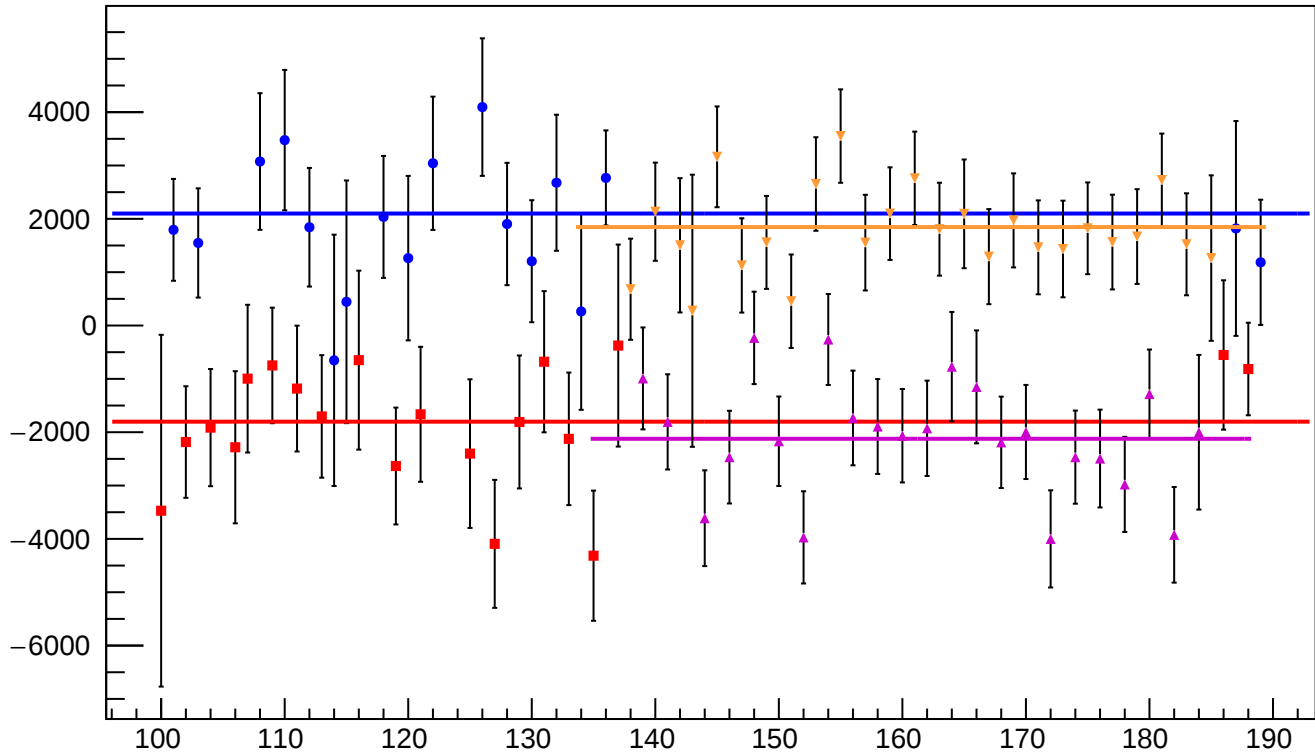


reg_asym_us_avg_mean vs Slug



Right In: 2099.413 $\pm$ 294.712

Left Out: 1845.799 $\pm$ 186.902

Right Out: -1802.417 $\pm$ 278.931

Left In: -2123.138 $\pm$ 188.684

χ^2 /NDF: 10.3/17

χ^2 /NDF: 15.5/24

χ^2 /NDF: 14.7/19

χ^2 /NDF: 32.0/22

+ sign 1918.543 $\pm$ 157.837

All: -71.429 $\pm$ 111.055

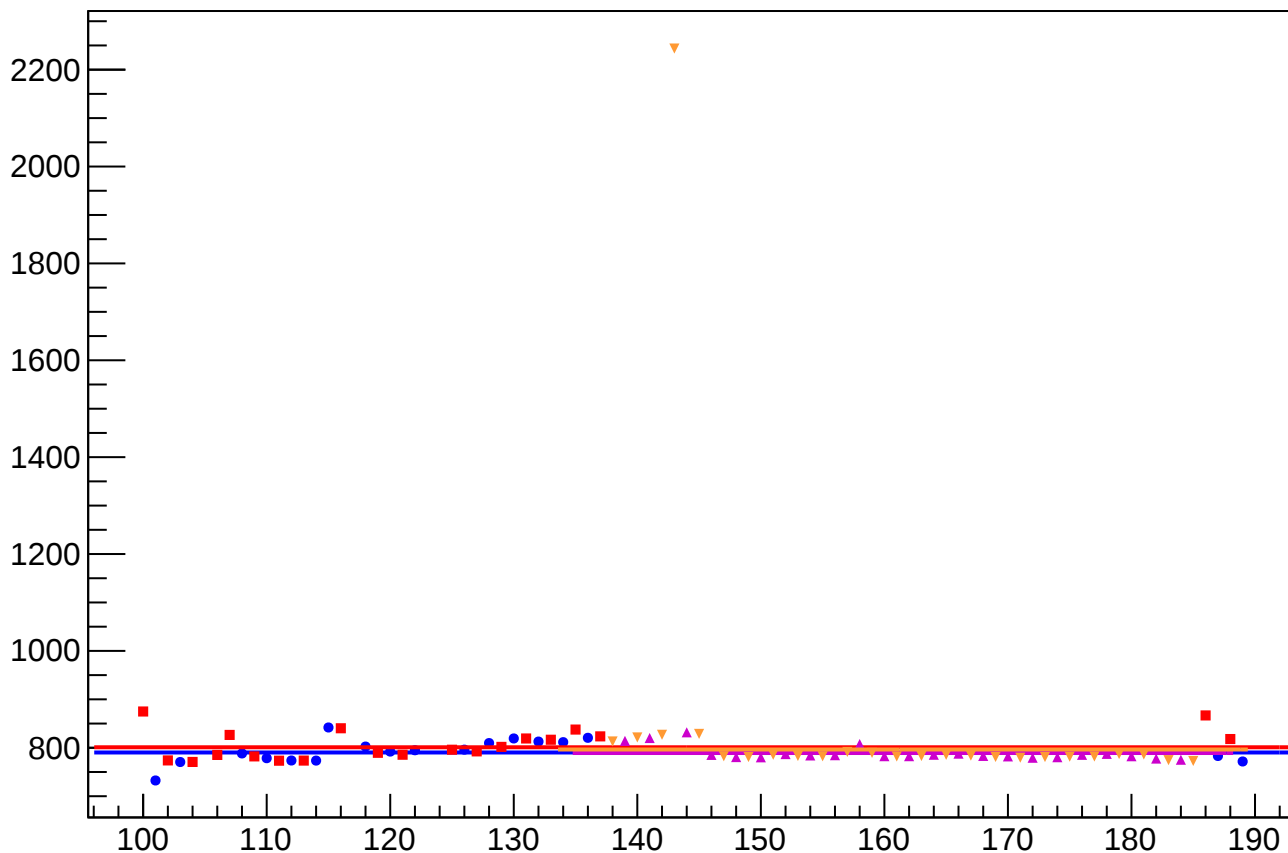
- sign -2022.452 $\pm$ 156.285

χ^2 /NDF: 26.3/42

χ^2 /NDF: 388.7/85

χ^2 /NDF: 47.6/42

reg_asym_us_avg_rms vs Slug



Right In: 790.276+/-0.208 χ^2/NDF : 15691.6/17

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

Right Out: 801.018+/-0.197 χ^2/NDF : 17326.4/19

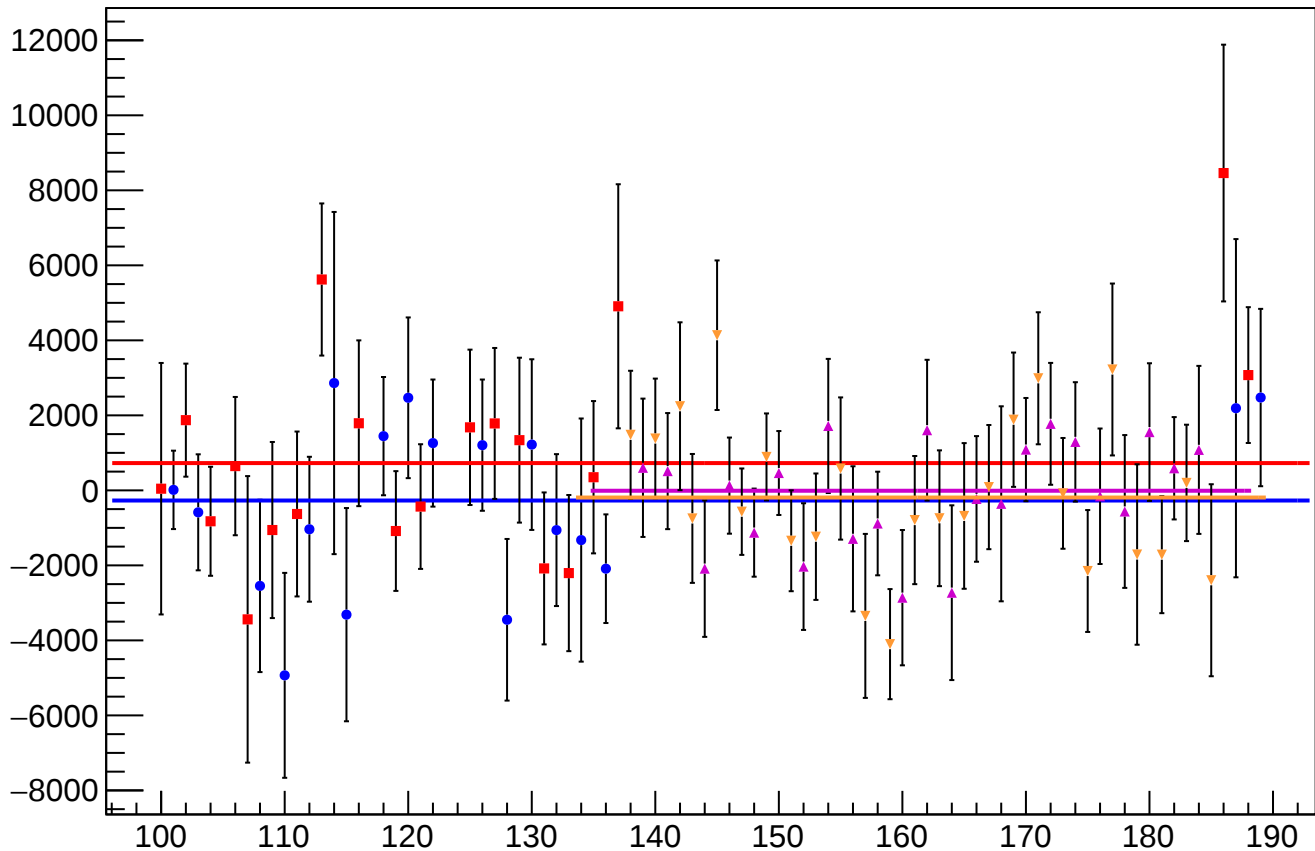
Left In: 789.185+/-0.133 χ^2/NDF : 11343.2/22

+ sign 794.673+/-0.112 χ^2/NDF : 675024.4/42

All: 793.777+/-0.079 χ^2/NDF : 706291.2/85

- sign 792.900+/-0.111 χ^2/NDF : 31139.4/42

asym_us_avg_correction_mean vs Slug



Right In: -270.645 ± 454.366 $\chi^2/\text{NDF}: 16.2/17$

Left Out: -191.027 ± 333.904 $\chi^2/\text{NDF}: 30.1/24$

Right Out: 727.436 ± 454.340 $\chi^2/\text{NDF}: 24.7/19$

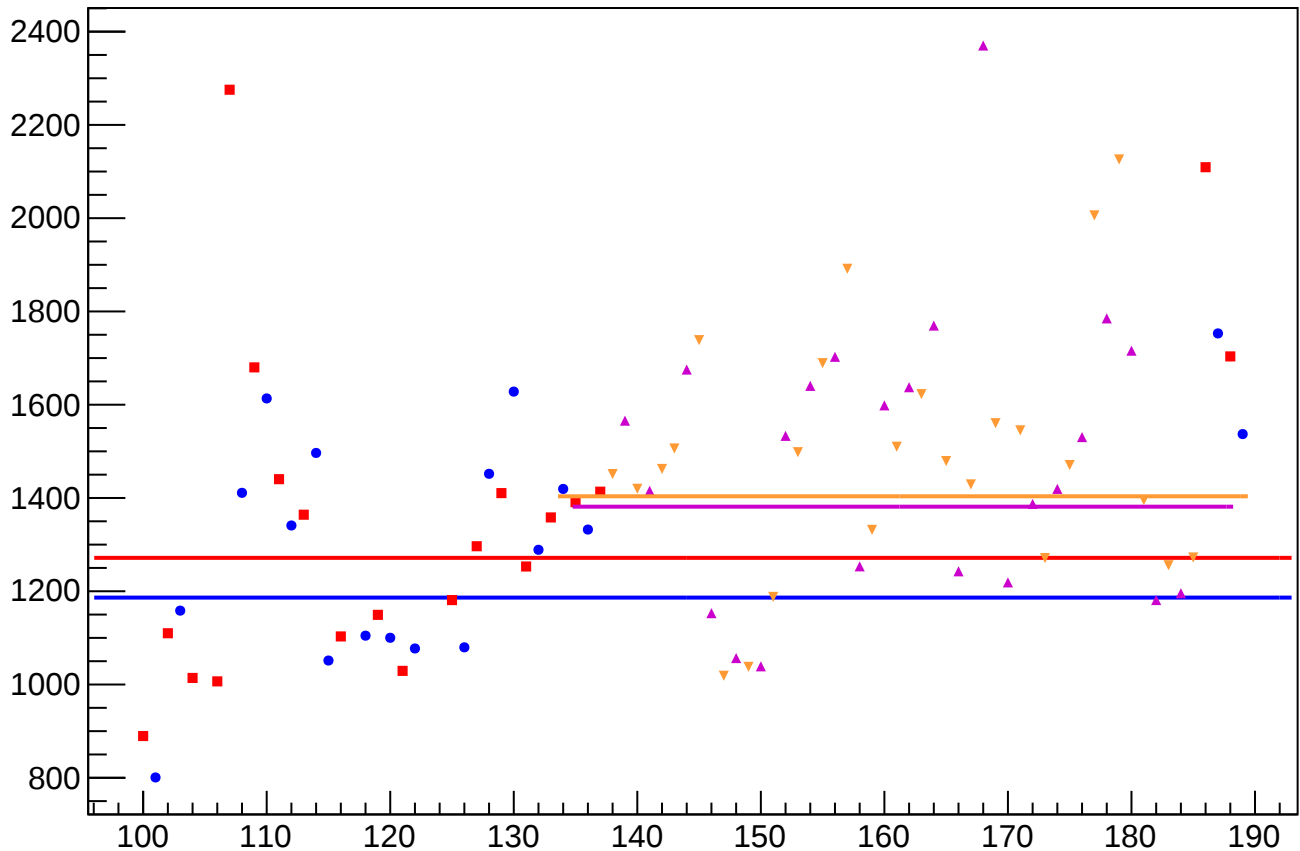
Left In: -10.093 ± 337.810 $\chi^2/\text{NDF}: 14.2/22$

+ sign -218.946 ± 269.063 $\chi^2/\text{NDF}: 46.4/42$

All: 14.996 ± 190.969 $\chi^2/\text{NDF}: 88.5/85$

- sign 252.475 ± 271.089 $\chi^2/\text{NDF}: 40.6/42$

asym_us_avg_correction_rms vs Slug



Right In: 1186.404 $\pm$ 0.321 χ^2 /NDF: 608901.4/17

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

Right Out: 1271.630 $\pm$ 0.321 χ^2 /NDF: 693542.8/19

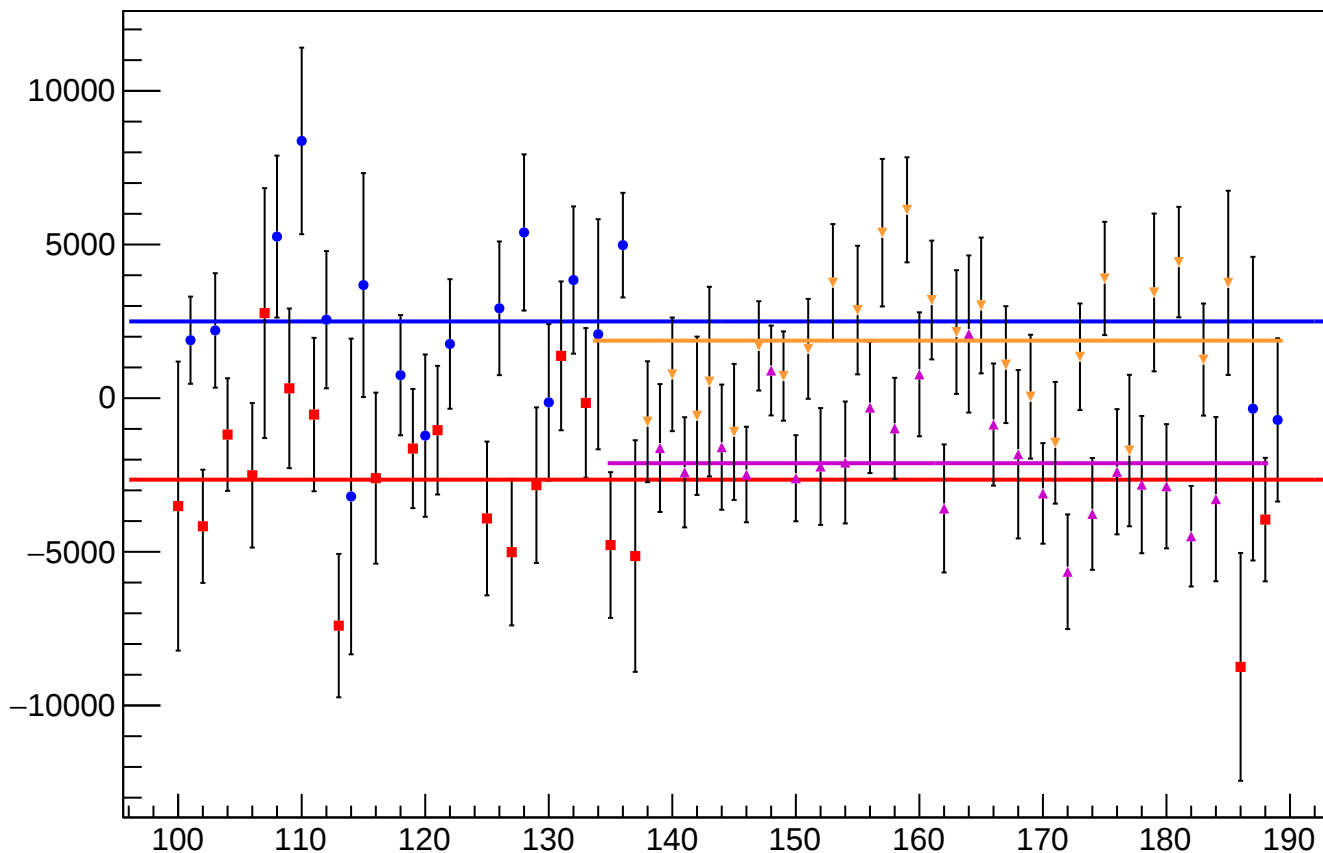
Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF:1276488.2/22

+ sign 1327.442 $\pm$ 0.190 χ^2 /NDF: 2032199.7/42

All: 1334.813 $\pm$ 0.135 χ^2 /NDF: 4080379.9/85

- sign 1342.294 $\pm$ 0.192 χ^2 /NDF: 2045156.3/42

asym_us_avg_mean vs Slug



Right In: 2497.331 ± 552.510 $\chi^2/\text{NDF}: 15.9/17$

Left Out: 1871.638 ± 391.684 $\chi^2/\text{NDF}: 26.1/24$

Right Out: -2651.808 ± 542.738 $\chi^2/\text{NDF}: 19.6/19$

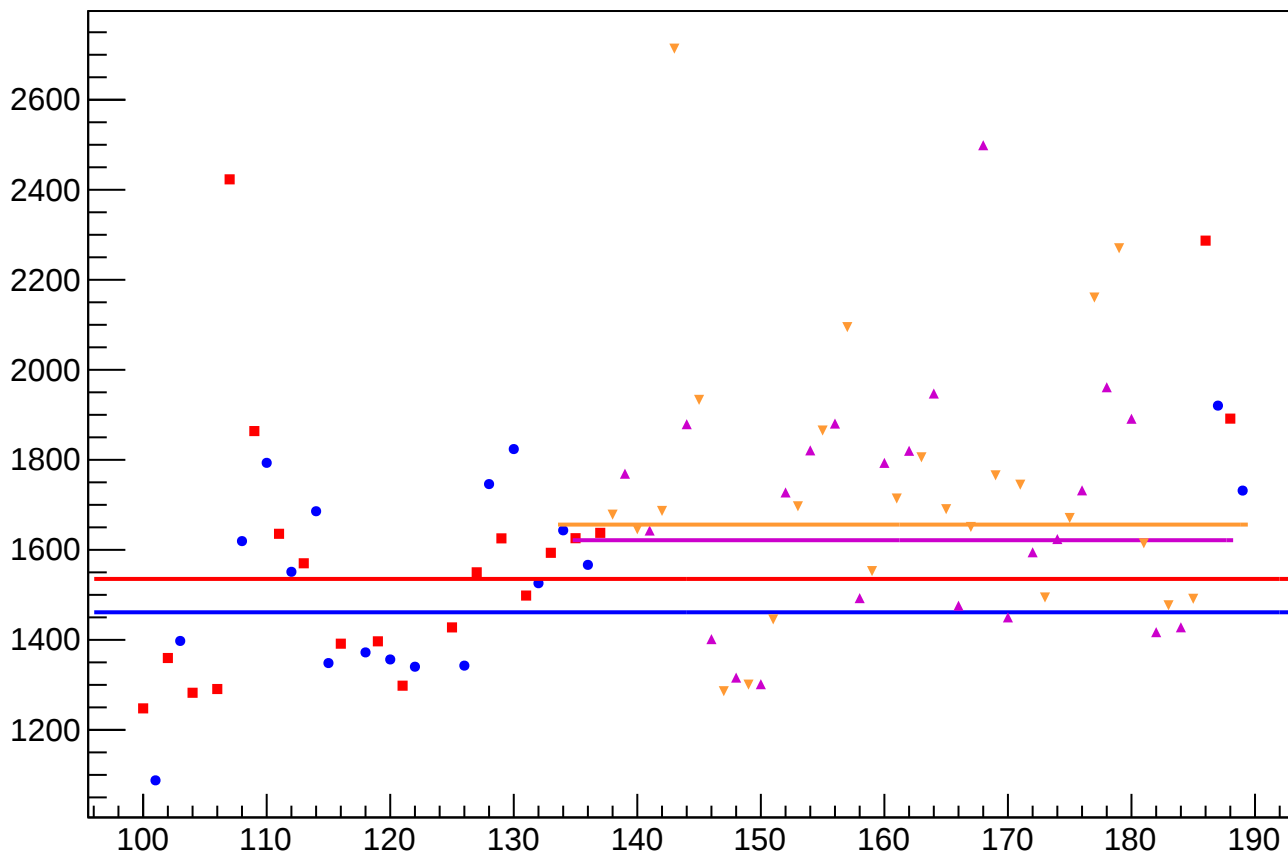
Left In: -2116.114 ± 392.997 $\chi^2/\text{NDF}: 18.8/22$

+ sign 2080.914 ± 319.535 $\chi^2/\text{NDF}: 42.9/42$

All: -118.148 ± 225.511 $\chi^2/\text{NDF}: 176.3/85$

- sign -2300.377 ± 318.310 $\chi^2/\text{NDF}: 39.0/42$

asym_us_avg_rms vs Slug



Right In: 1461.282+/-0.391 χ^2 /NDF: 318412.3/17

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

Right Out: 1535.404+/-0.384 χ^2 /NDF: 415068.2/19

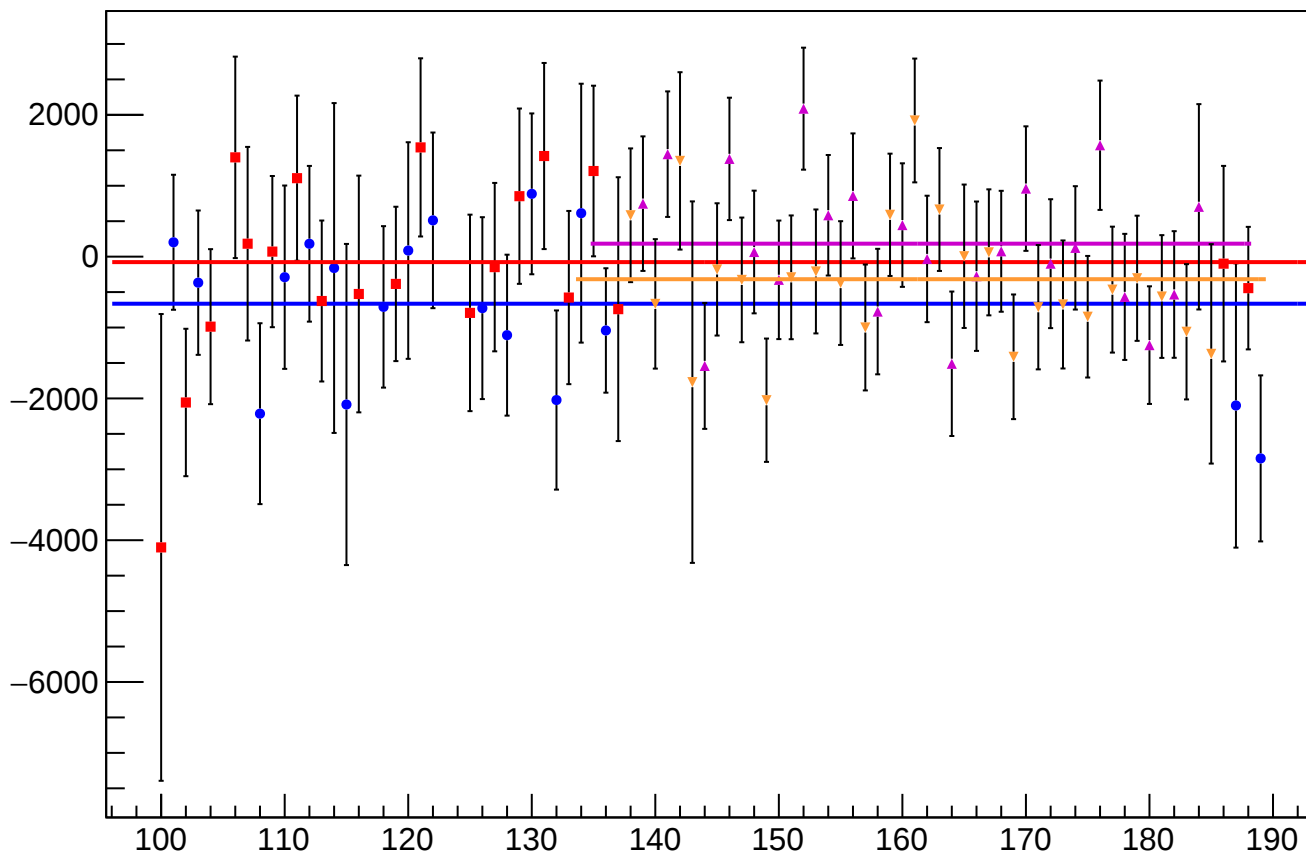
Left In: 1621.417+/-0.278 χ^2 /NDF: 775310.1/22

+ sign 1590.952+/-0.226 χ^2 /NDF: 1394509.4/42

All: 1591.393+/-0.159 χ^2 /NDF: 2617848.6/85

- sign 1591.831+/-0.225 χ^2 /NDF: 1223331.6/42

reg_asym_us_dd_mean vs Slug



Right In: -664.090 $\pm$ 292.304 χ^2 /NDF: 12.5/17

Left Out: -318.336 $\pm$ 186.041 χ^2 /NDF: 20.4/24

Right Out: -77.234 $\pm$ 276.380 χ^2 /NDF: 13.8/19

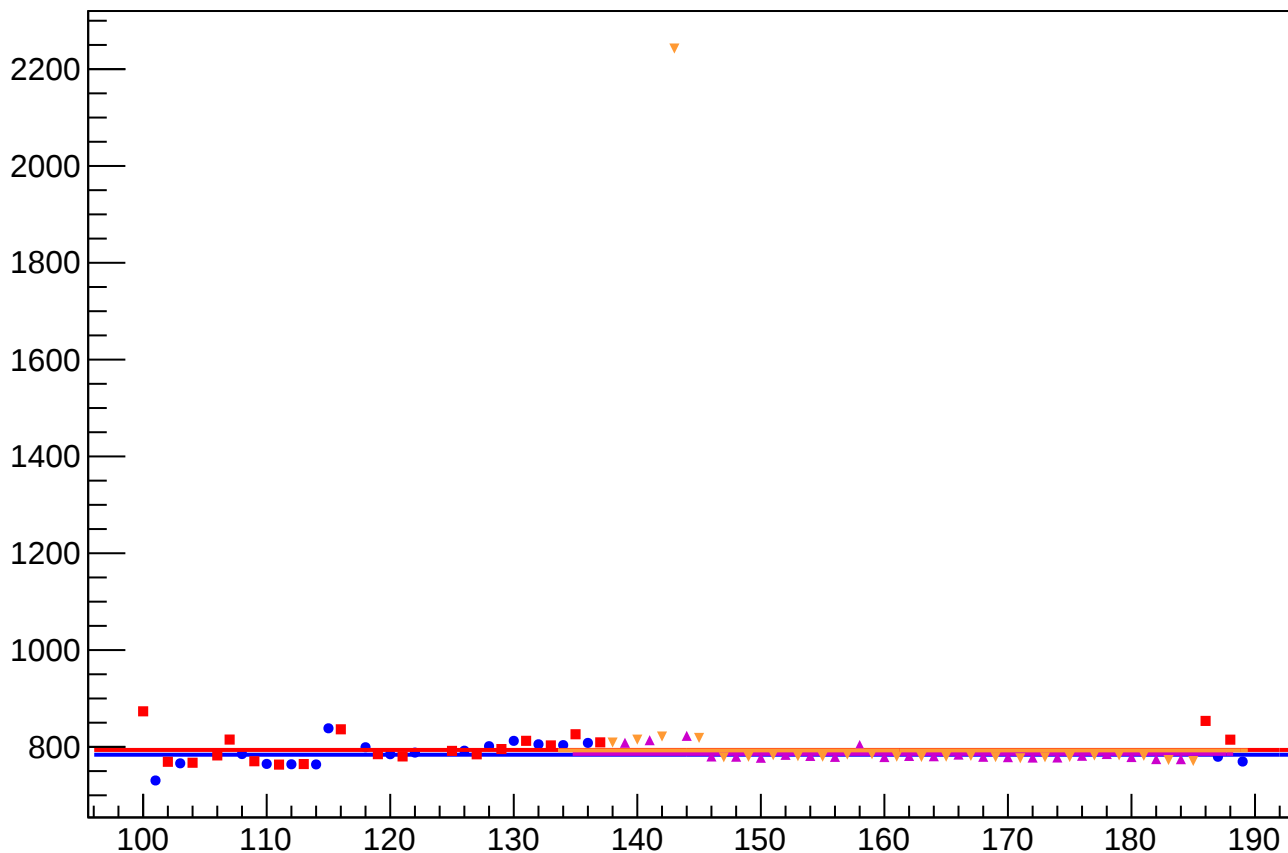
Left In: 182.895 $\pm$ 187.817 χ^2 /NDF: 26.1/22

+ sign -418.016 $\pm$ 156.948 χ^2 /NDF: 33.8/42

All: -155.983 $\pm$ 110.407 χ^2 /NDF: 79.9/85

- sign 100.717 $\pm$ 155.343 χ^2 /NDF: 40.5/42

reg_asym_us_dd_rms vs Slug



Right In: 783.862 $\pm$ 0.207 χ^2 /NDF: 14138.7/17

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

Right Out: 793.729 $\pm$ 0.195 χ^2 /NDF: 16588.3/19

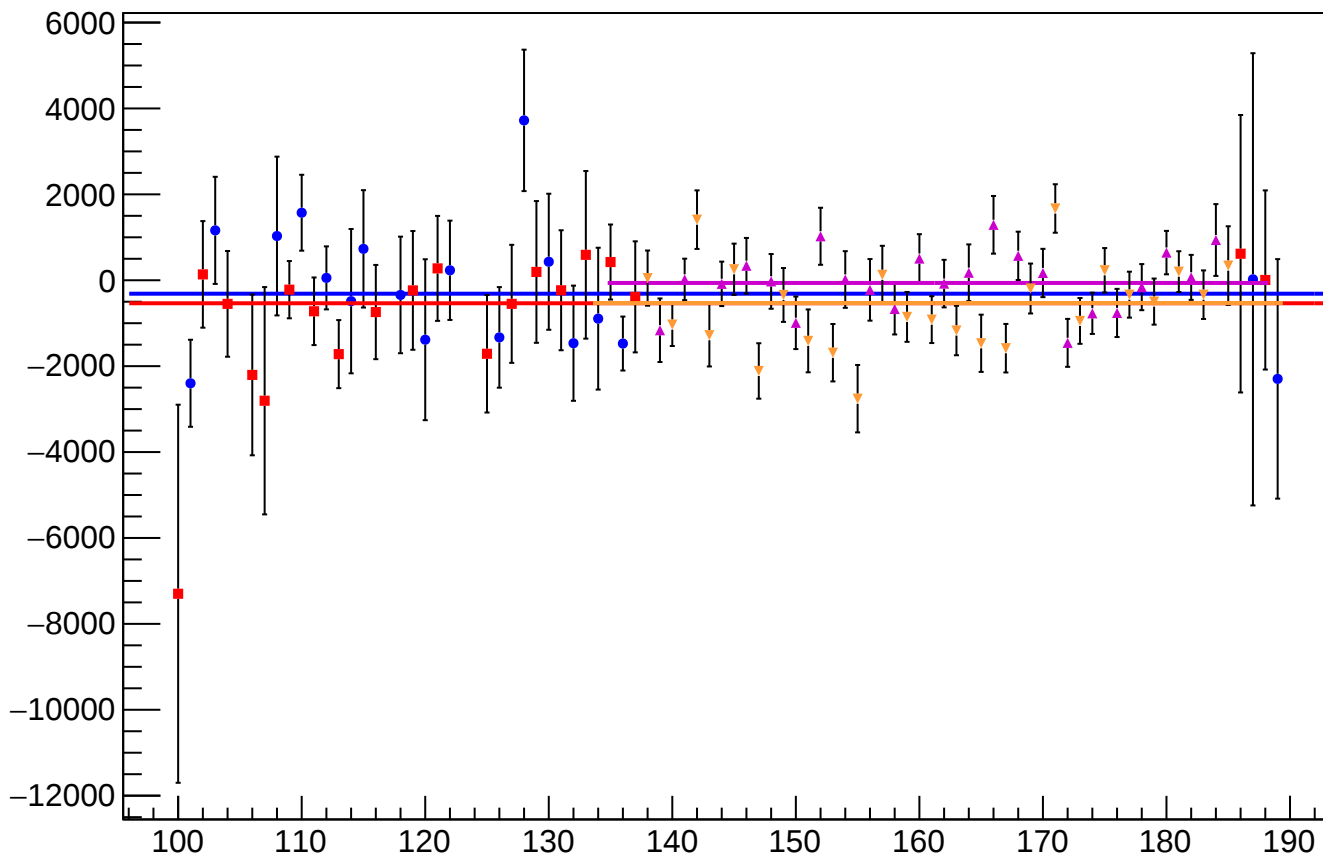
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 790.217 $\pm$ 0.111 χ^2 /NDF: 674977.8/42

All: 789.179 $\pm$ 0.078 χ^2 /NDF: 702298.7/85

- sign 788.163 $\pm$ 0.110 χ^2 /NDF: 27147.9/42

asym_us_dd_correction_mean vs Slug



Right In: -313.258 ± 281.338 χ^2/NDF : 23.9/17

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

Right Out: -535.639 ± 270.055 χ^2/NDF : 10.0/19

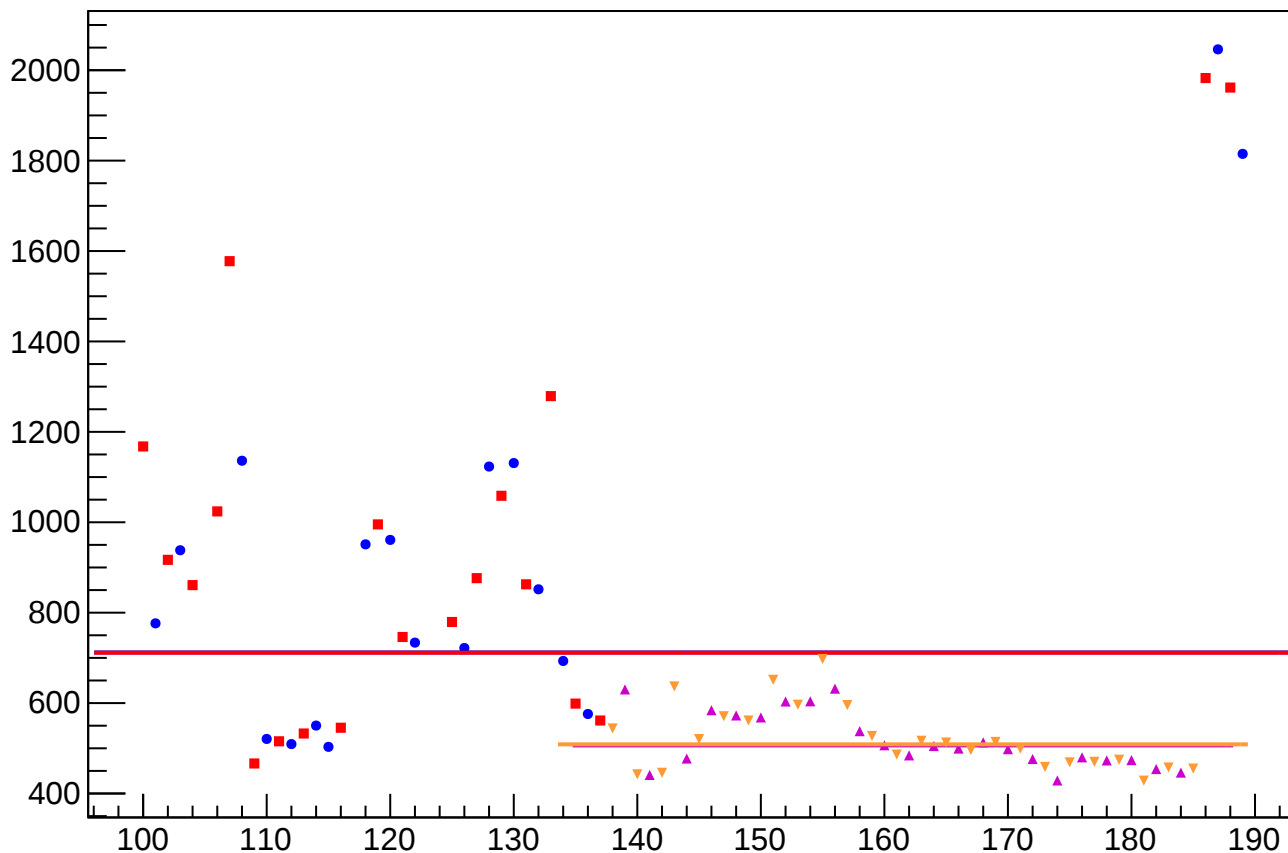
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -496.938 ± 110.023 χ^2/NDF : 86.0/42

All: -321.861 ± 78.216 χ^2/NDF : 132.4/85

- sign -142.967 ± 111.215 χ^2/NDF : 41.3/42

asym_us_dd_correction_rms vs Slug



Right In: 712.042+/-0.199 χ^2/NDF : 1411153.3/17

Left Out: 508.773+/-0.085 χ^2/NDF : 549245.1/24

Right Out: 711.459+/-0.191 χ^2/NDF : 2407137.5/19

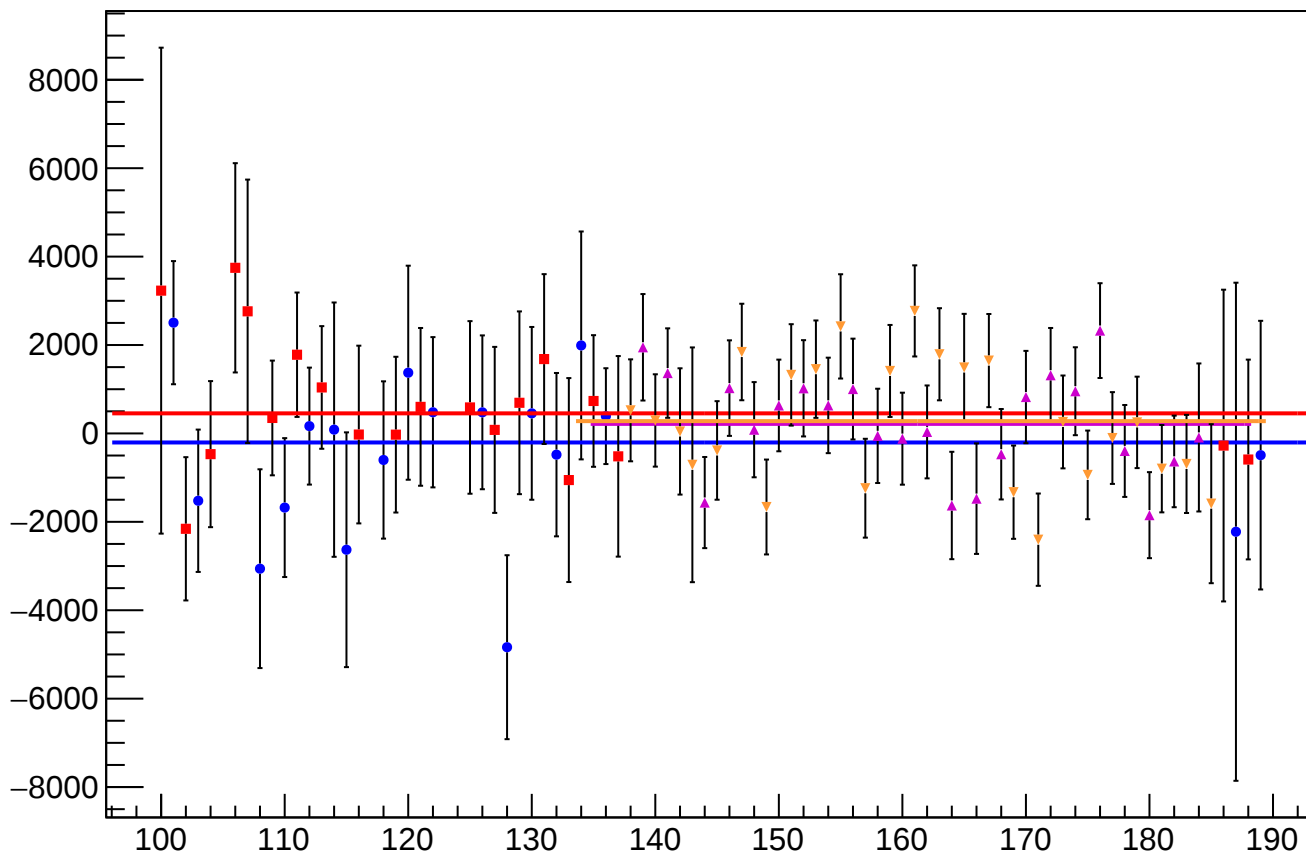
Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

+ sign 539.860+/-0.078 χ^2/NDF : 2844765.6/42

All: 540.504+/-0.055 χ^2/NDF : 6646091.0/85

- sign 541.162+/-0.079 χ^2/NDF : 3801186.9/42

asym_us_dd_mean vs Slug



Right In: -204.703 ± 429.219 χ^2/NDF : 14.9/17

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

Right Out: 454.116 ± 417.604 χ^2/NDF : 8.3/19

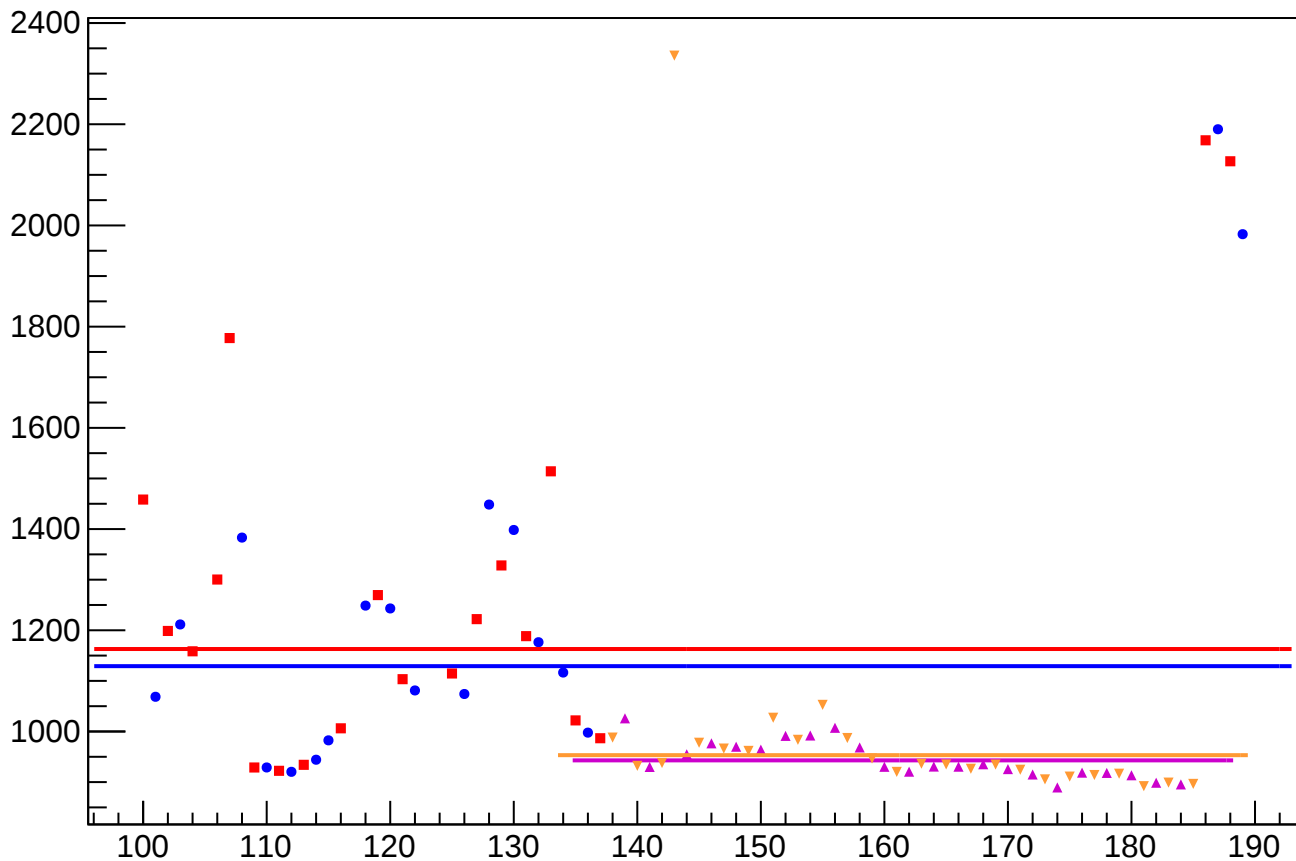
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 175.049 ± 198.291 χ^2/NDF : 54.3/42

All: 222.421 ± 140.283 χ^2/NDF : 87.4/85

- sign 269.887 ± 198.488 χ^2/NDF : 33.0/42

asym_us_dd_rms vs Slug



Right In: 1129.116 $\pm$ 0.304 χ^2 /NDF: 492812.2/17

Left Out: 953.221 $\pm$ 0.158 χ^2 /NDF: 606273.1/24

Right Out: 1162.984 $\pm$ 0.295 χ^2 /NDF: 917400.1/19

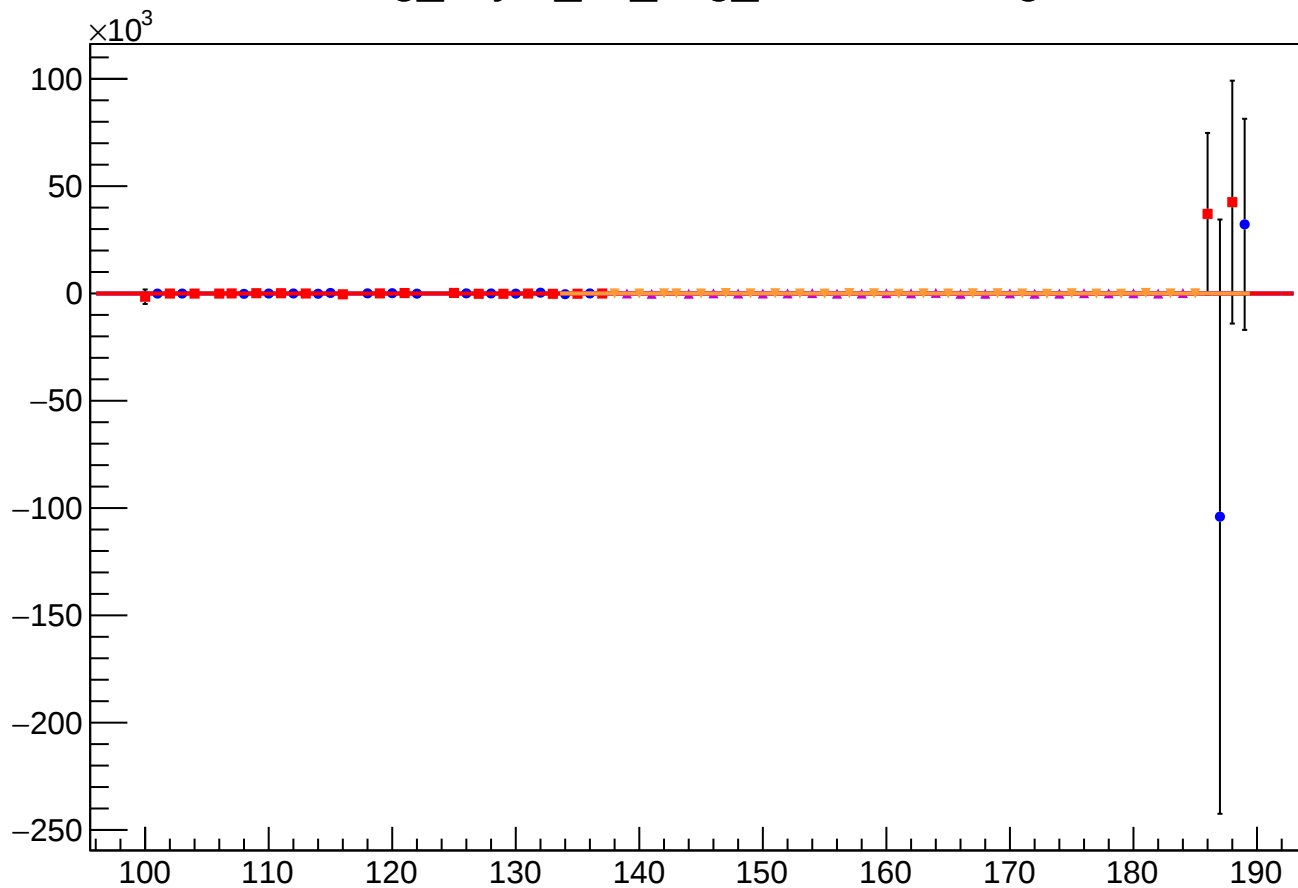
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 990.762 $\pm$ 0.140 χ^2 /NDF: 1363275.7/42

All: 991.700 $\pm$ 0.099 χ^2 /NDF: 2759066.1/85

- sign 992.640 $\pm$ 0.140 χ^2 /NDF: 1395700.7/42

reg_asym_ds_avg_mean vs Slug



Right In: -15.544 ± 30.032 χ^2/NDF : 16.9/17

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

Right Out: -31.718 ± 30.492 χ^2/NDF : 18.3/19

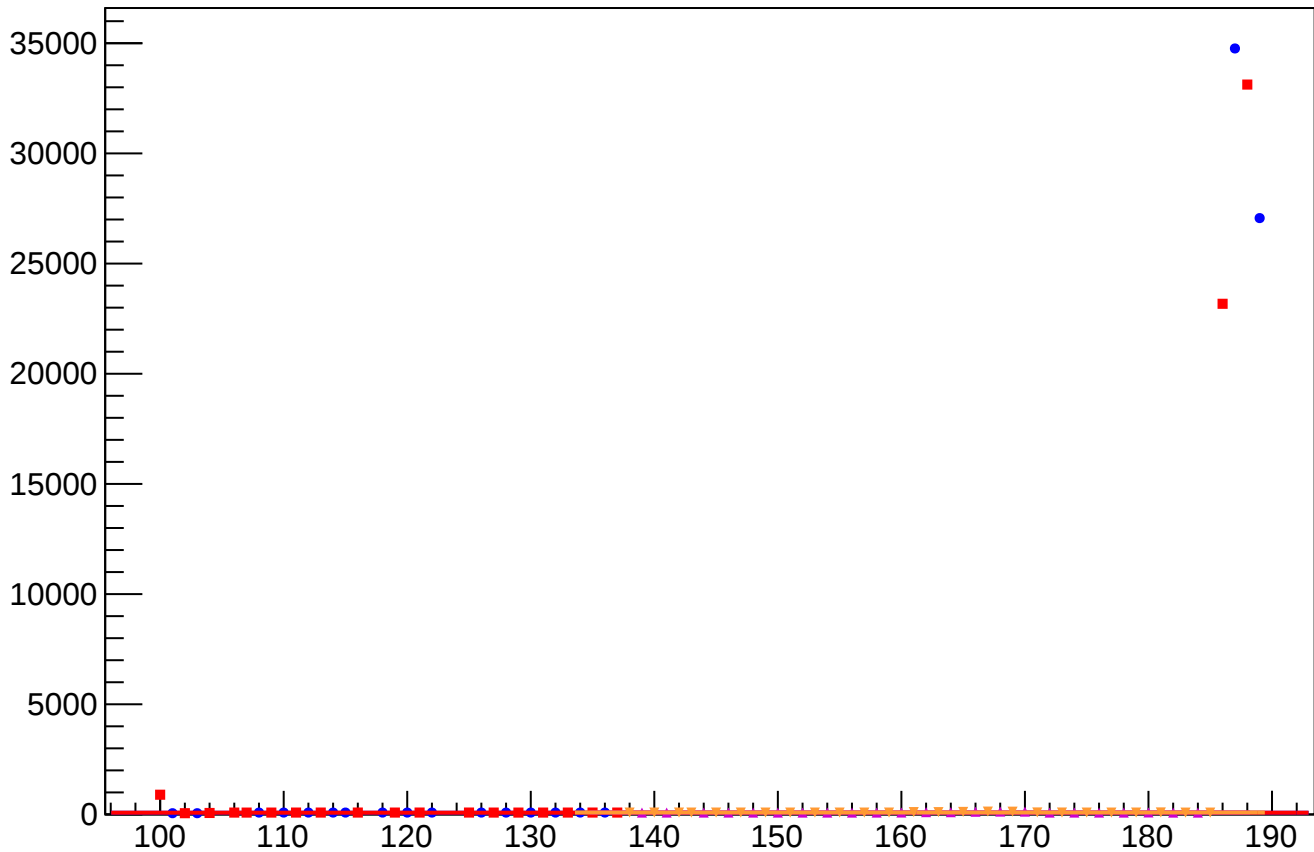
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.027 ± 17.187 χ^2/NDF : 39.7/42

All: 1.248 ± 12.302 χ^2/NDF : 82.8/85

- sign 4.688 ± 17.617 χ^2/NDF : 43.0/42

reg_asym_ds_avg_rms vs Slug



Right In: 76.065 $\pm$ 0.021 χ^2 /NDF: 1144634.8/17

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

Right Out: 79.396 $\pm$ 0.022 χ^2 /NDF: 1828858.9/19

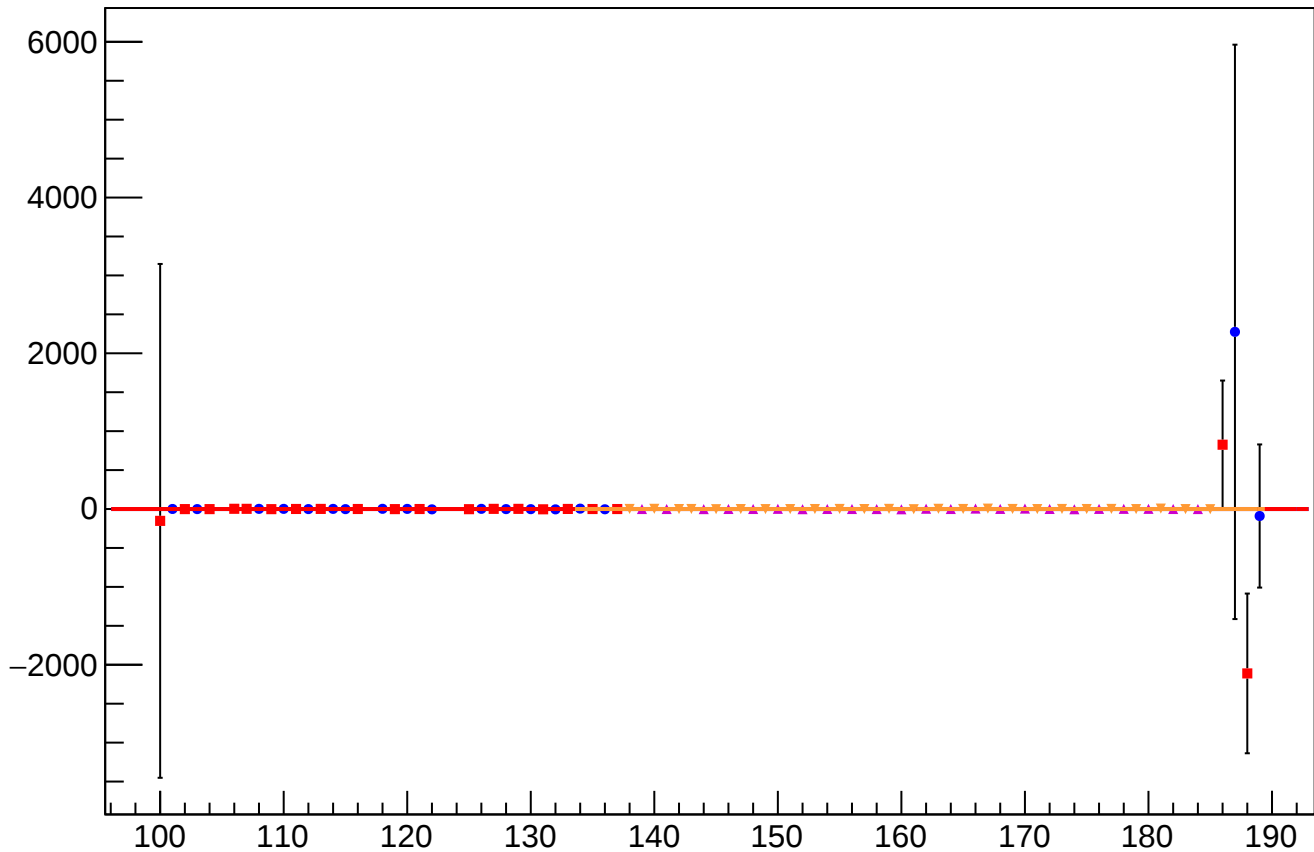
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.088 $\pm$ 0.012 χ^2 /NDF: 1883445.0/42

All: 85.626 $\pm$ 0.009 χ^2 /NDF: 4373913.5/85

- sign 86.191 $\pm$ 0.012 χ^2 /NDF: 2486457.5/42

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 21.3/17

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

Right Out: -0.039 ± 0.525 χ^2/NDF : 15.2/19

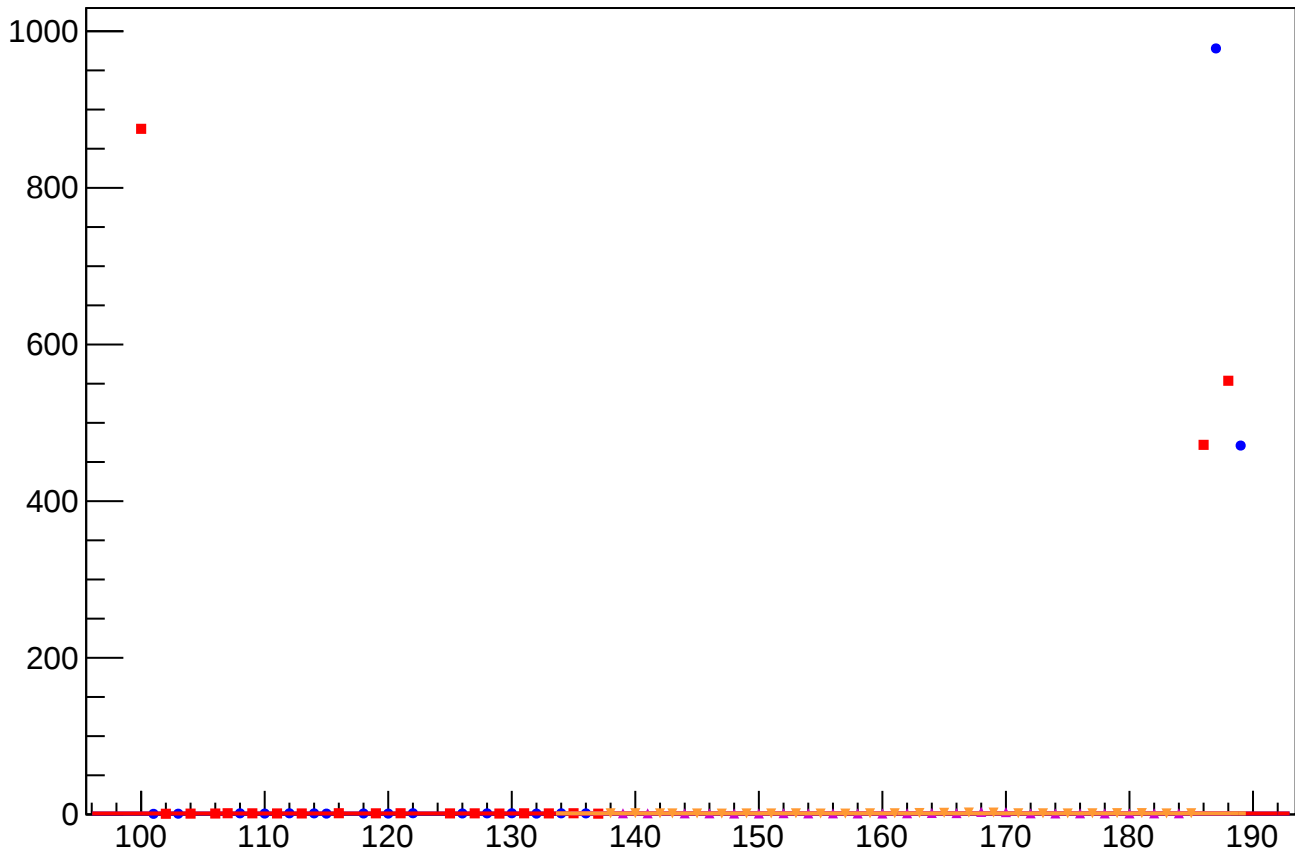
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.014 ± 0.296 χ^2/NDF : 43.1/42

All: 0.146 ± 0.215 χ^2/NDF : 86.0/85

- sign 0.322 ± 0.312 χ^2/NDF : 42.2/42

asym_ds_avg_correction_rms vs Slug



Right In: 1.152+/-0.000 χ^2/NDF : 1169110.6/17

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

Right Out: 1.259+/-0.000 χ^2/NDF : 1722385.5/19

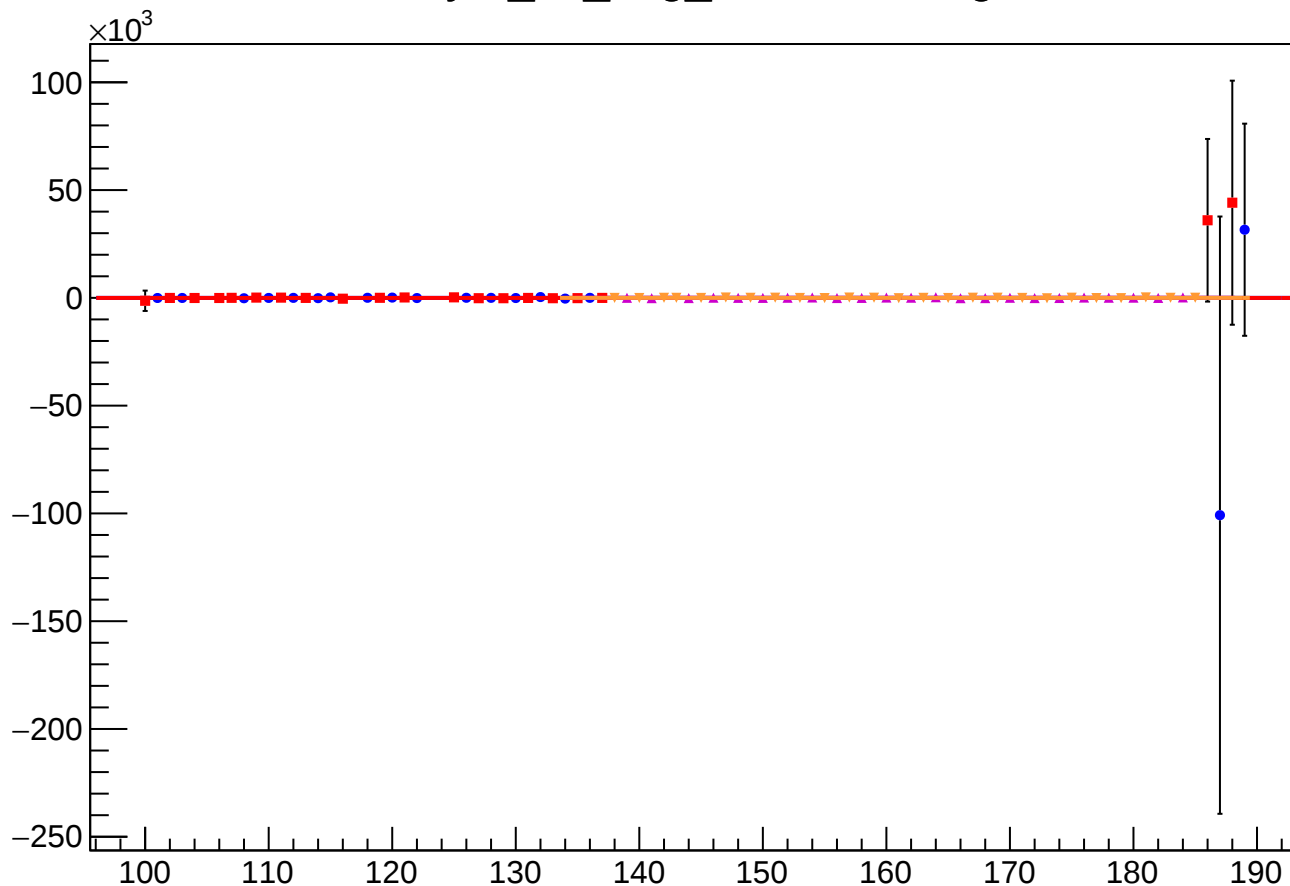
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 2489997.7/42

All: 1.349+/-0.000 χ^2/NDF : 5435899.4/85

- sign 1.385+/-0.000 χ^2/NDF : 2894833.3/42

asym_ds_avg_mean vs Slug



Right In: -14.480 ± 30.040 χ^2/NDF : 17.2/17

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

Right Out: -31.997 ± 30.500 χ^2/NDF : 18.3/19

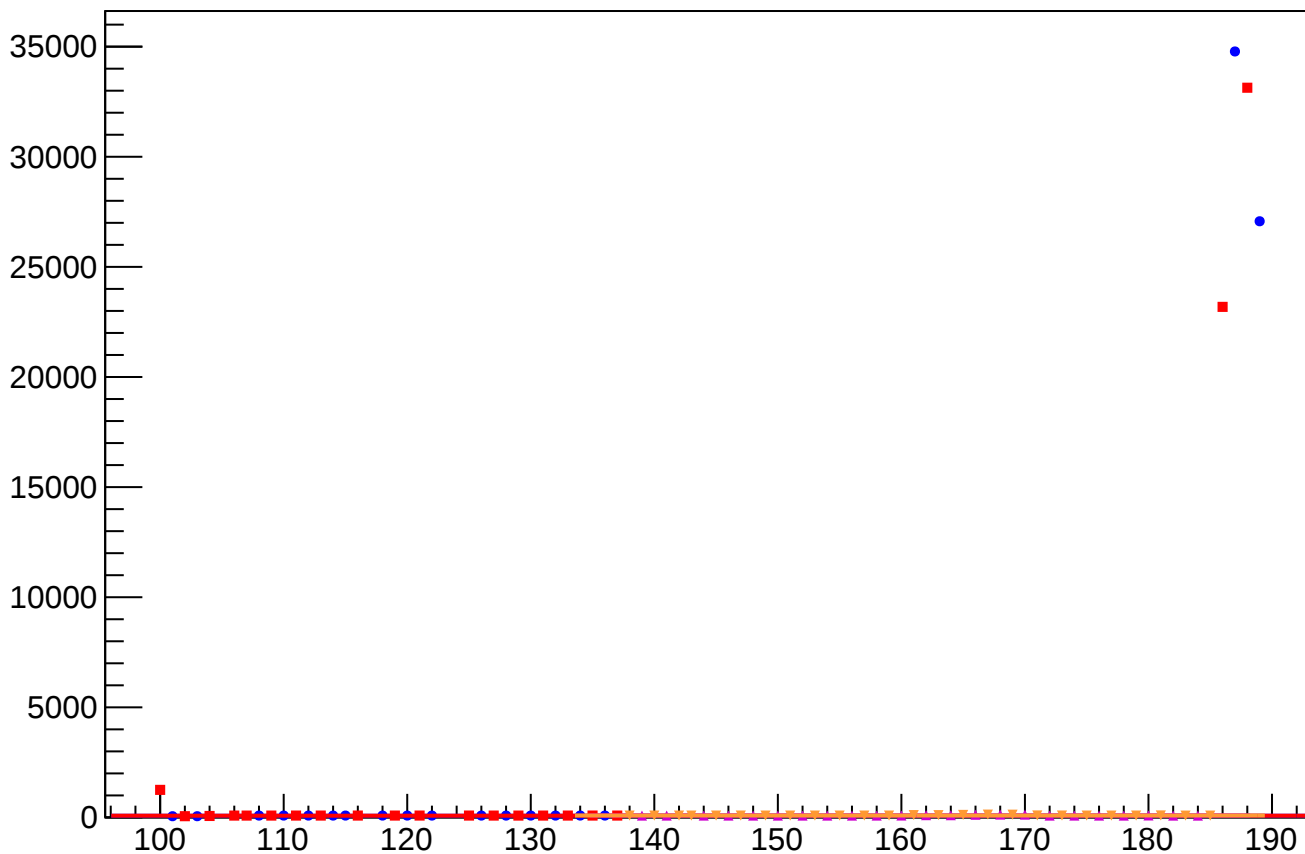
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -1.772 ± 17.192 χ^2/NDF : 39.6/42

All: 1.175 ± 12.306 χ^2/NDF : 82.4/85

- sign 4.271 ± 17.623 χ^2/NDF : 42.8/42

asym_ds_avg_rms vs Slug



Right In: 76.085+/-0.021 χ^2/NDF : 1144655.0/17

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

Right Out: 79.399+/-0.022 χ^2/NDF : 1835389.3/19

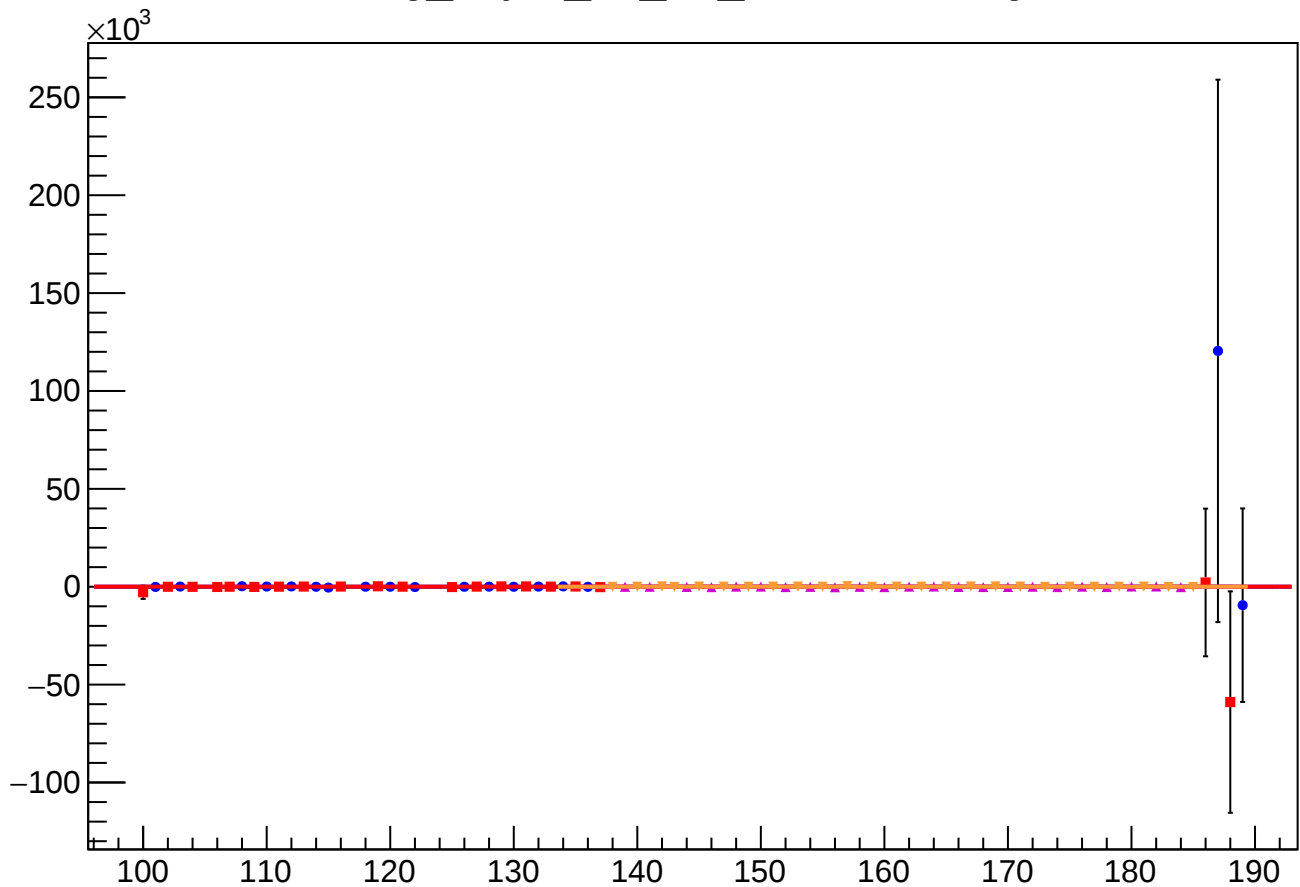
Left In: 89.622+/-0.015 χ^2/NDF : 509391.8/22

+ sign 85.112+/-0.012 χ^2/NDF : 1884335.0/42

All: 85.647+/-0.009 χ^2/NDF : 4382768.0/85

- sign 86.209+/-0.012 χ^2/NDF : 2494462.5/42

reg_asym_ds_dd_mean vs Slug



Right In: 8.116 ± 30.012 $\chi^2/\text{NDF}: 14.8/17$

Left Out: 9.877 ± 20.965 $\chi^2/\text{NDF}: 18.5/24$

Right Out: 25.758 ± 30.473 $\chi^2/\text{NDF}: 13.9/19$

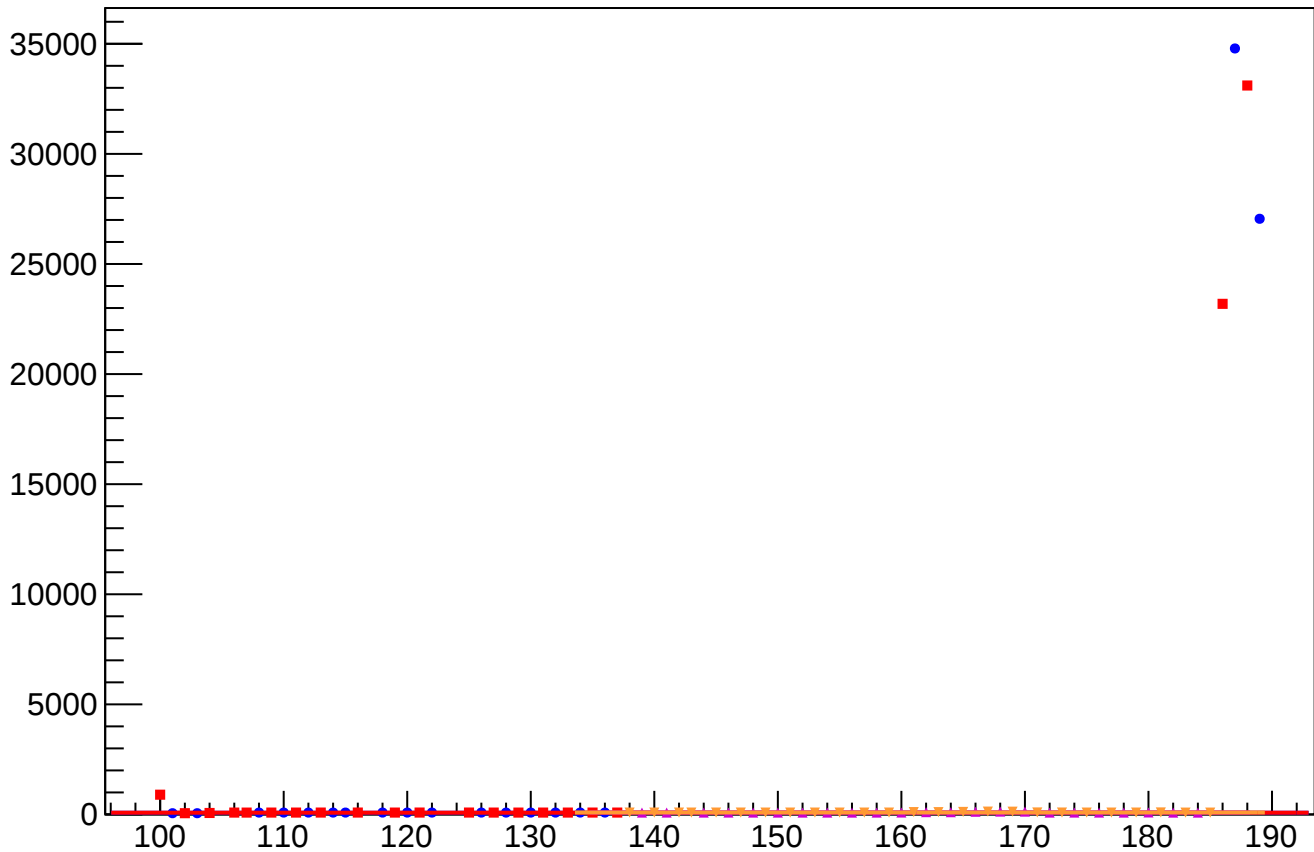
Left In: -43.424 ± 21.593 $\chi^2/\text{NDF}: 31.4/22$

+ sign 9.300 ± 17.187 $\chi^2/\text{NDF}: 33.3/42$

All: -5.132 ± 12.303 $\chi^2/\text{NDF}: 83.5/85$

- sign -20.298 ± 17.618 $\chi^2/\text{NDF}: 48.8/42$

reg_asym_ds_dd_rms vs Slug



Right In: 76.016 $\pm$ 0.021 χ^2 /NDF: 1144359.5/17

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

Right Out: 79.347 $\pm$ 0.022 χ^2 /NDF: 1828891.3/19

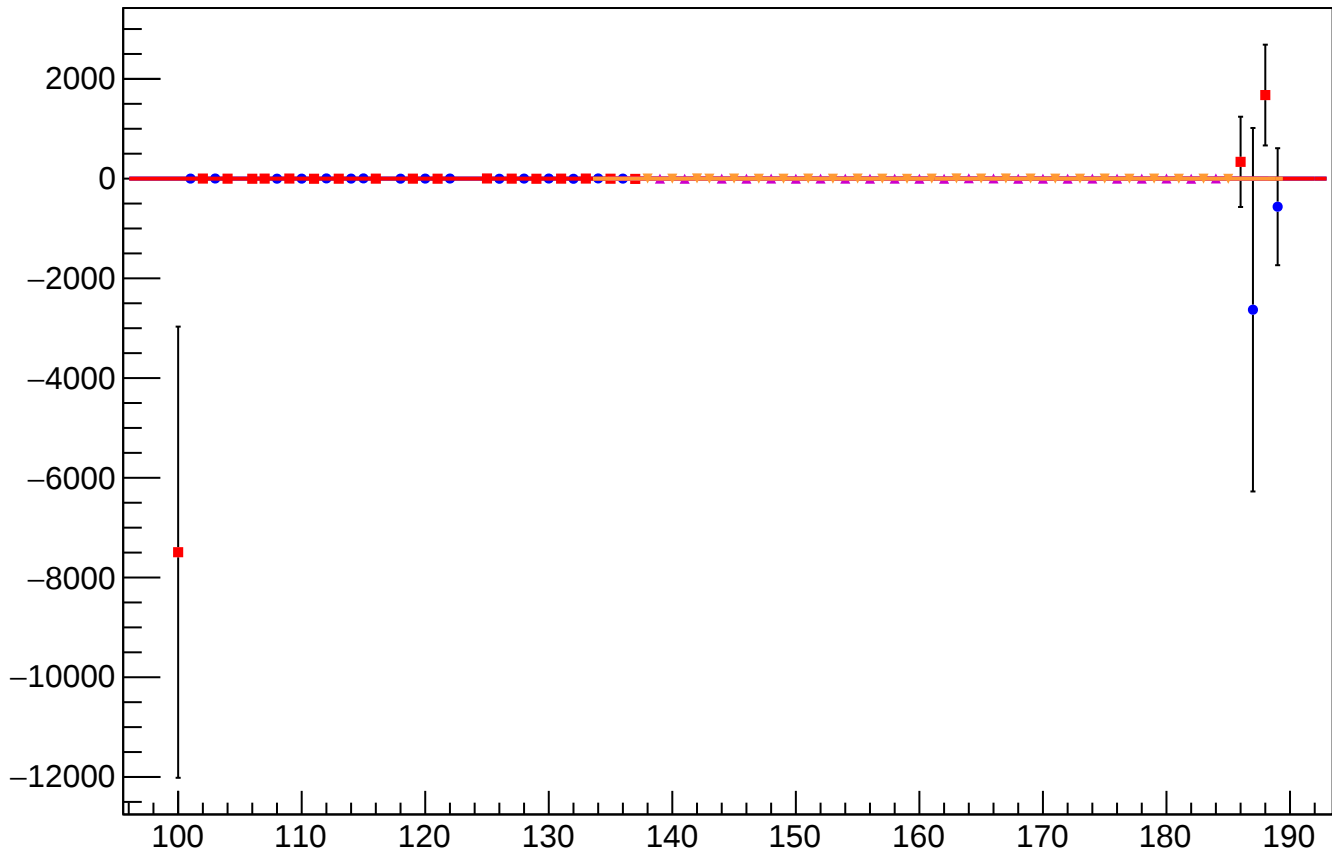
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.083 $\pm$ 0.012 χ^2 /NDF: 1884966.1/42

All: 85.623 $\pm$ 0.009 χ^2 /NDF: 4380493.4/85

- sign 86.191 $\pm$ 0.012 χ^2 /NDF: 2491472.7/42

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 12.7/17

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

Right Out: -0.347 ± 0.549 χ^2/NDF : 16.3/19

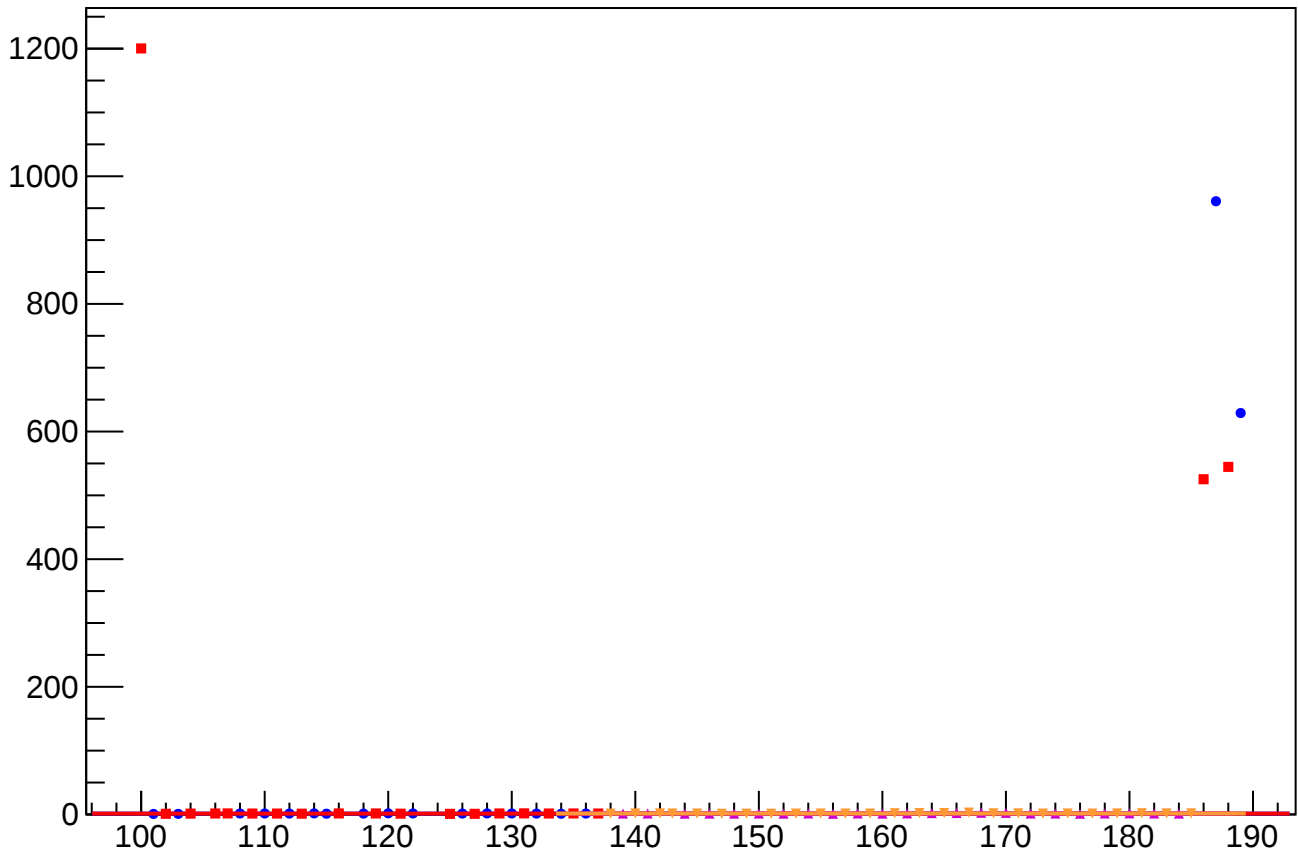
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.037 ± 0.310 χ^2/NDF : 38.0/42

All: -0.052 ± 0.222 χ^2/NDF : 75.1/85

- sign -0.069 ± 0.318 χ^2/NDF : 37.1/42

asym_ds_dd_correction_rms vs Slug



Right In: 1.233+/-0.000 χ^2/NDF : 1337074.6/17

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

Right Out: 1.316+/-0.000 χ^2/NDF : 1765512.2/19

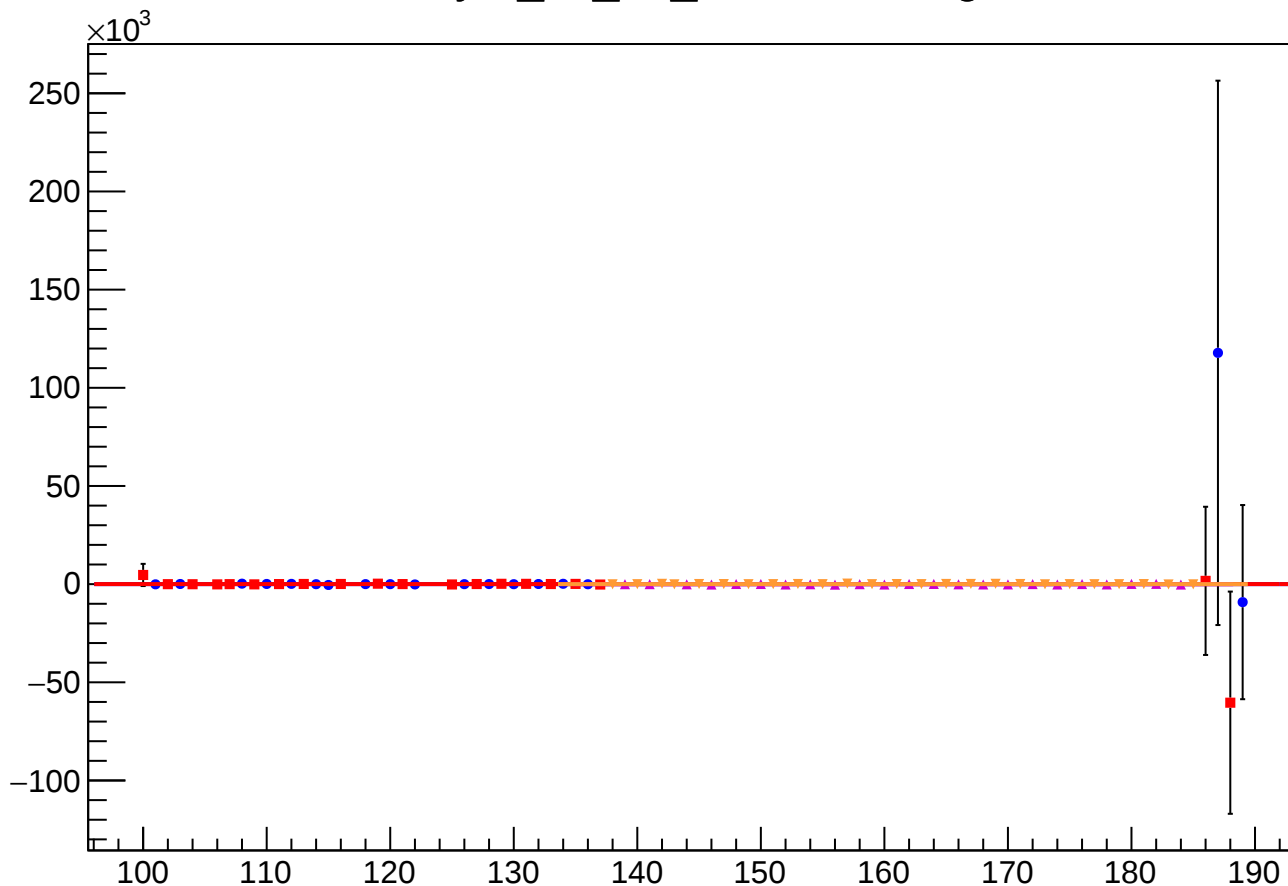
Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

+ sign 1.391+/-0.000 χ^2/NDF : 2760020.4/42

All: 1.401+/-0.000 χ^2/NDF : 5671972.2/85

- sign 1.412+/-0.000 χ^2/NDF : 2907295.2/42

asym_ds_dd_mean vs Slug



Right In: 7.408 ± 30.020 χ^2/NDF : 14.7/17

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

Right Out: 26.367 ± 30.482 χ^2/NDF : 14.1/19

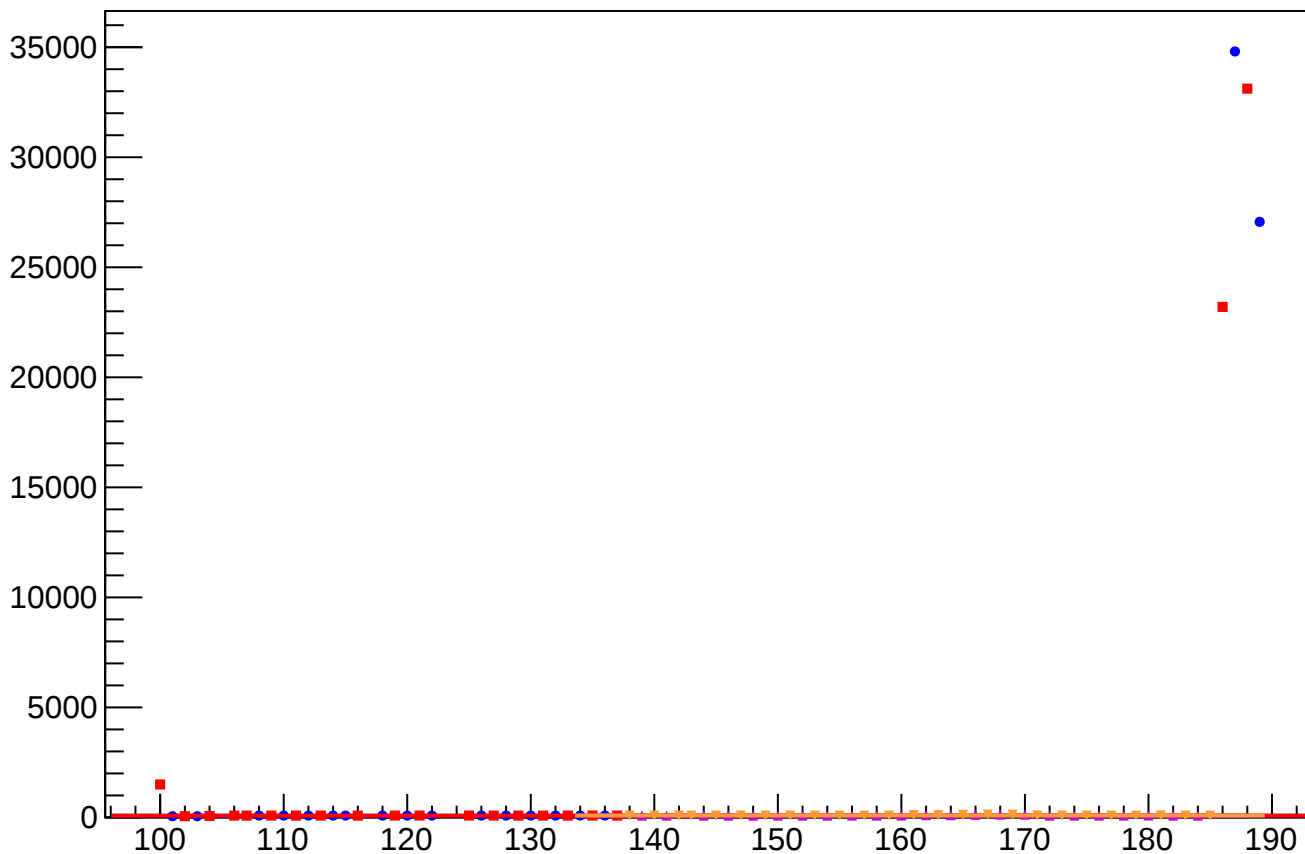
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 9.434 ± 17.192 χ^2/NDF : 33.1/42

All: -5.120 ± 12.306 χ^2/NDF : 83.3/85

- sign -20.414 ± 17.624 χ^2/NDF : 48.8/42

asym_ds_dd_rms vs Slug



Right In: 76.036+/-0.021 χ^2/NDF : 1144406.7/17

Left Out: 89.535+/-0.015 χ^2/NDF : 469743.0/24

Right Out: 79.344+/-0.022 χ^2/NDF : 1838148.0/19

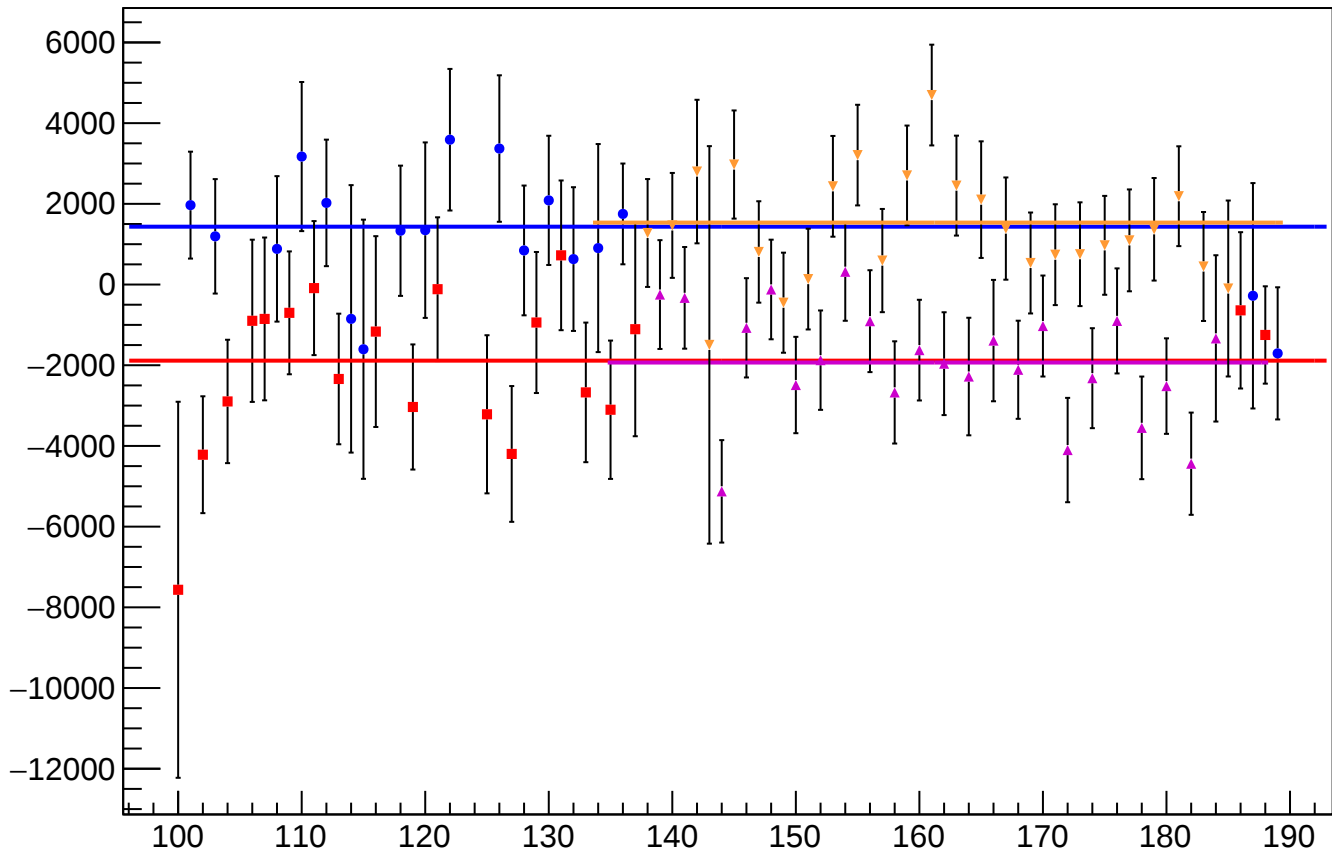
Left In: 89.655+/-0.015 χ^2/NDF : 511848.9/22

+ sign 85.108+/-0.012 χ^2/NDF : 1885886.0/42

All: 85.644+/-0.009 χ^2/NDF : 4392213.2/85

- sign 86.208+/-0.012 χ^2/NDF : 2502334.5/42

reg_asym_usl_mean vs Slug



Right In: 1433.894 $\pm$ 412.735 χ^2 /NDF: 10.0/17

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

Right Out: -1886.199 $\pm$ 391.291 χ^2 /NDF: 14.6/19

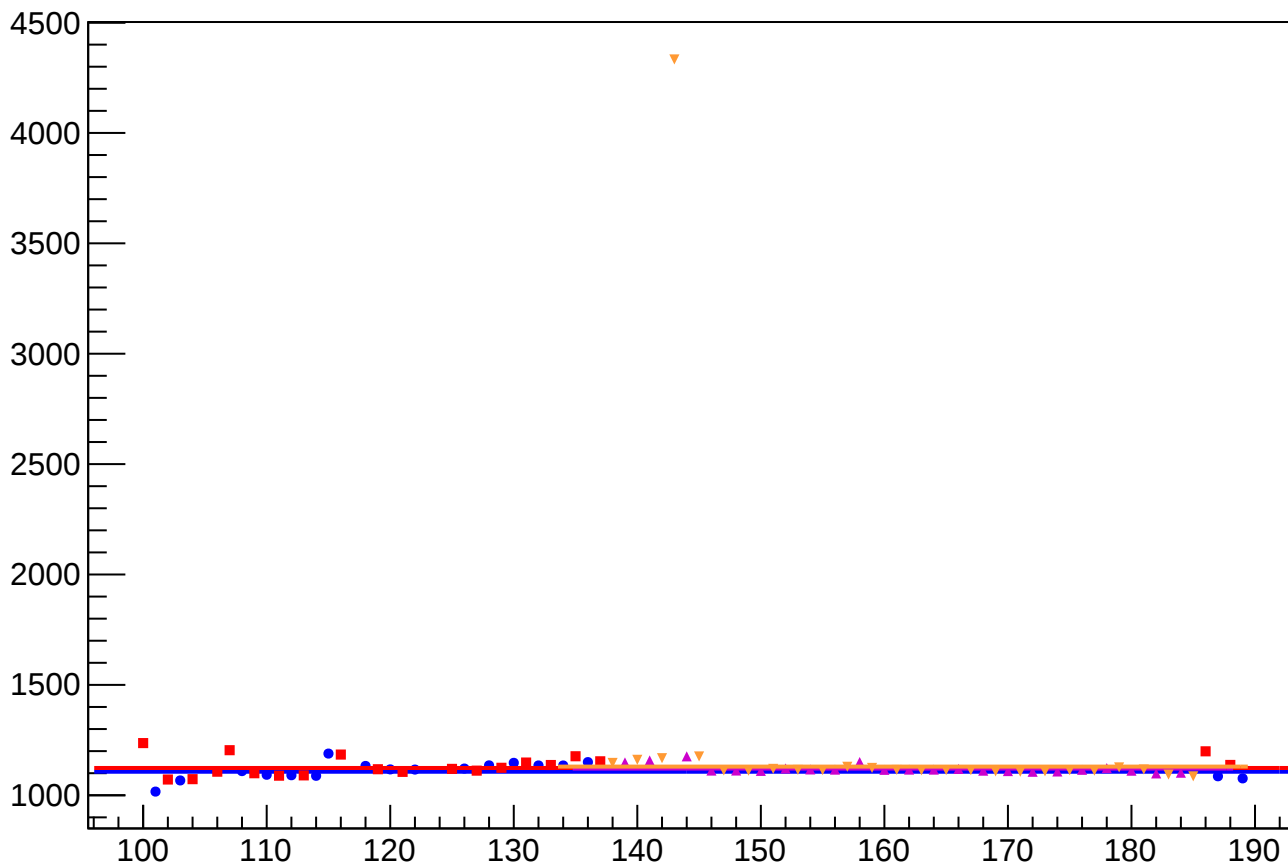
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF:27.0/22

+ sign 1505.522 $\pm$ 223.518 χ^2 /NDF: 30.4/42

All: -224.779 $\pm$ 157.194 χ^2 /NDF: 190.6/85

- sign -1918.055 $\pm$ 221.114 χ^2 /NDF: 41.6/42

reg_asym_usl_rms vs Slug



Right In: 1106.623+/-0.292 χ^2/NDF : 19097.0/17

Left Out: 1129.901+/-0.188 χ^2/NDF : 858259.9/24

Right Out: 1123.652+/-0.277 χ^2/NDF : 19128.7/19

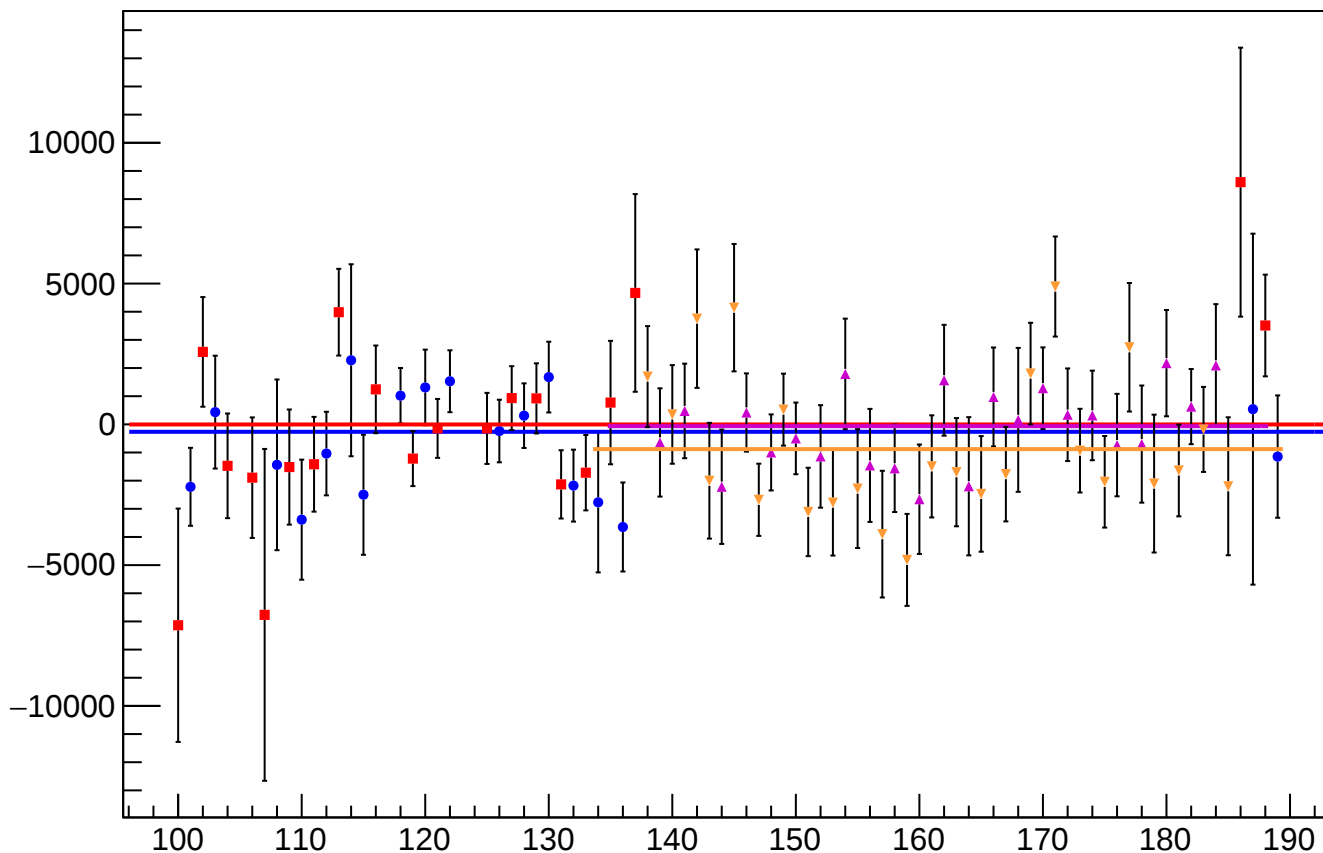
Left In: 1120.991+/-0.190 χ^2/NDF : 9641.8/22

+ sign 1123.074+/-0.158 χ^2/NDF : 881853.1/42

All: 1122.451+/-0.111 χ^2/NDF : 910717.4/85

- sign 1121.841+/-0.156 χ^2/NDF : 28833.4/42

asym_usl_correction_mean vs Slug



Right In: -264.656 ± 356.003 χ^2/NDF : 22.7/17

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

Right Out: -3.748 ± 349.801 χ^2/NDF : 32.5/19

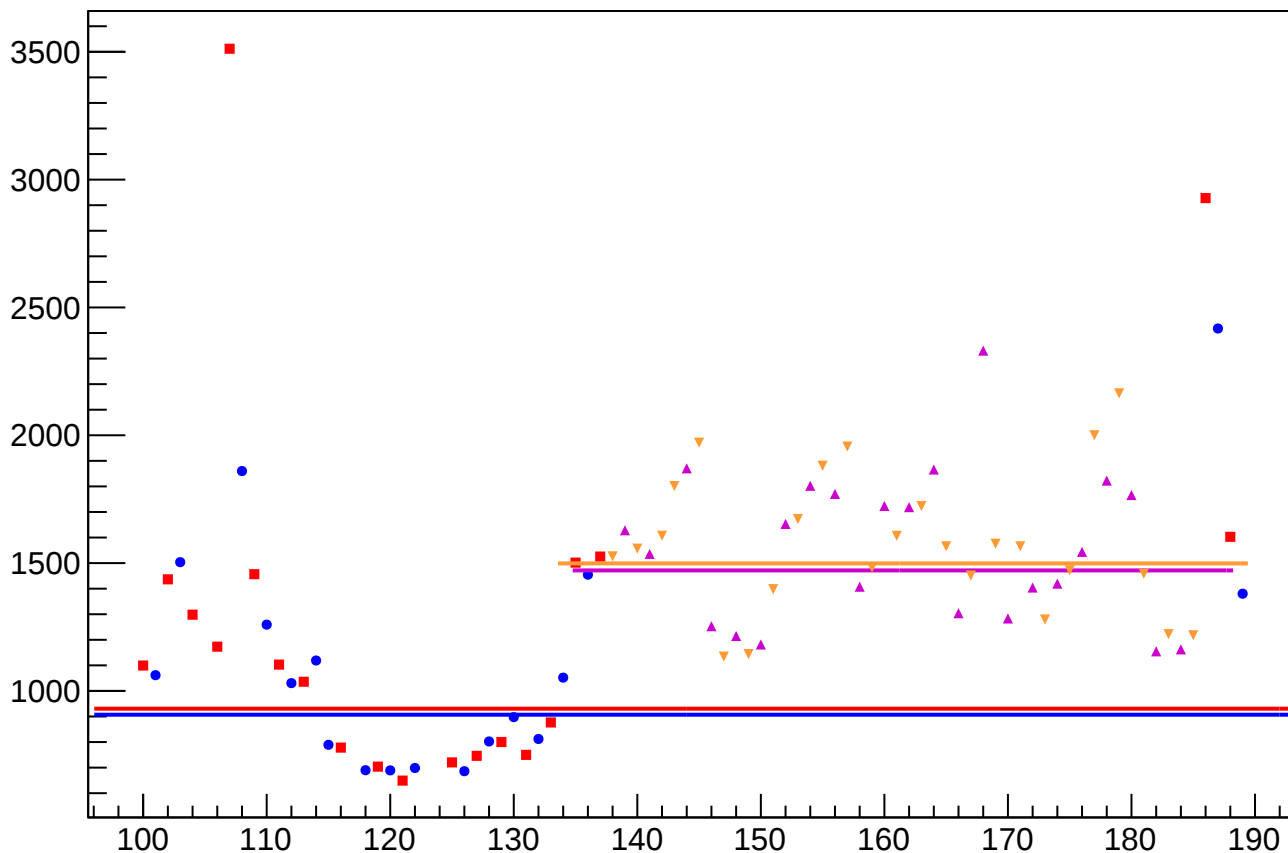
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -572.440 ± 251.622 χ^2/NDF : 67.8/42

All: -301.955 ± 177.512 χ^2/NDF : 114.7/85

- sign -33.957 ± 250.463 χ^2/NDF : 44.6/42

asym_usl_correction_rms vs Slug



Right In: 906.991+/-0.252 χ^2/NDF : 1270102.7/17

Left Out: 1498.849+/-0.252 χ^2/NDF : 1053906.2/24

Right Out: 930.535+/-0.247 χ^2/NDF : 2058279.6/19

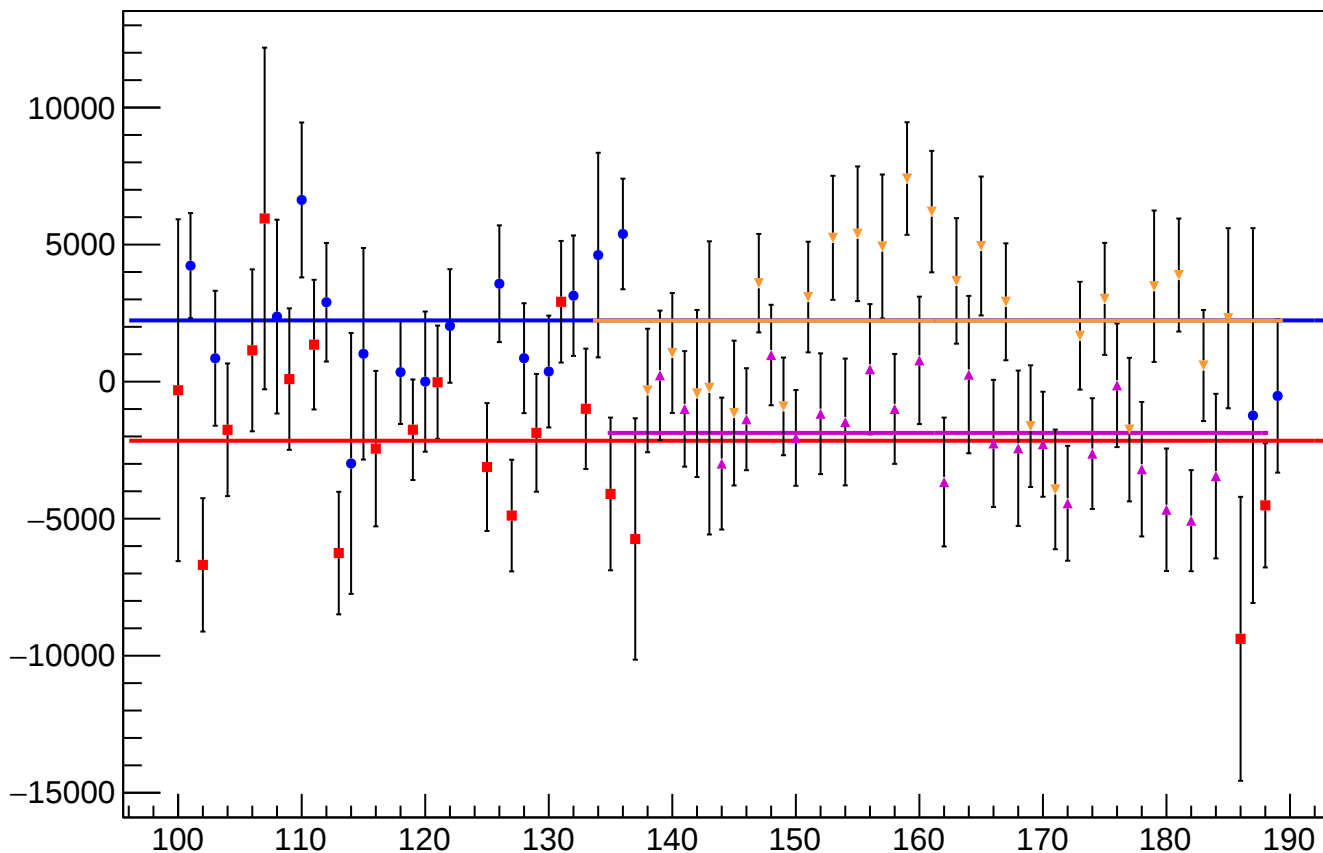
Left In: 1471.394+/-0.254 χ^2/NDF : 1105310.5/22

+ sign 1203.179+/-0.178 χ^2/NDF : 5090356.6/42

All: 1198.622+/-0.126 χ^2/NDF : 10585332.6/80

- sign 1194.108+/-0.177 χ^2/NDF : 5493670.5/42

asym_usl_mean vs Slug



Right In: 2234.020 $\pm$ 575.904 χ^2 /NDF: 12.9/17

Left Out: 2226.533 $\pm$ 454.821 χ^2 /NDF:38.8/24

Right Out: -2156.170 $\pm$ 563.024 χ^2 /NDF: 25.6/19

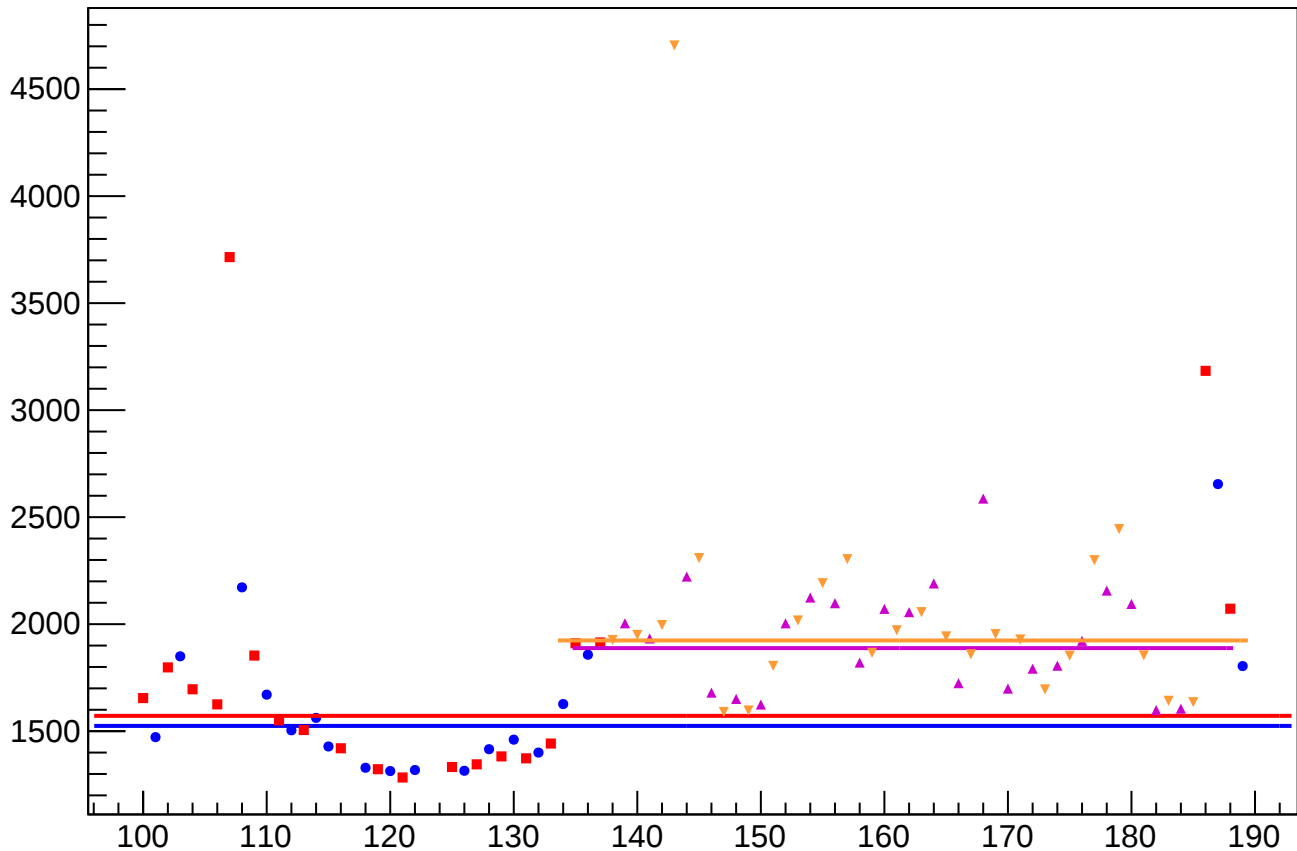
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2229.409 $\pm$ 356.933 χ^2 /NDF: 51.7/42

All: 106.415 $\pm$ 251.384 χ^2 /NDF: 162.6/85

- sign -1983.071 $\pm$ 354.105 χ^2 /NDF: 40.7/42

asym_usl_rms vs Slug



Right In: 1524.569+/-0.407 χ^2/NDF : 329216.9/17

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

Right Out: 1571.625+/-0.398 χ^2/NDF : 784813.1/19

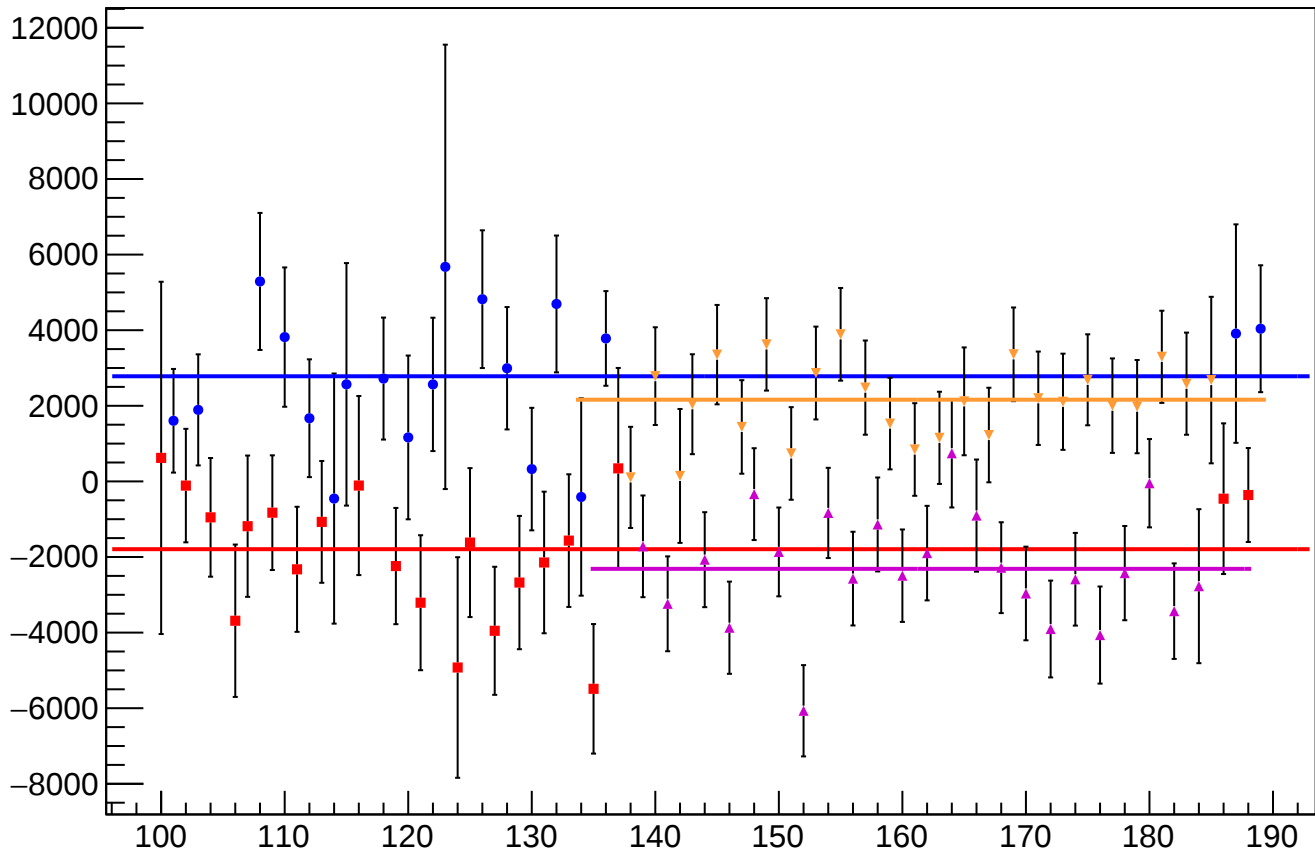
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1770.466+/-0.252 χ^2/NDF : 1927397.6/42

All: 1766.667+/-0.178 χ^2/NDF : 3599234.1/85

- sign 1762.928+/-0.250 χ^2/NDF : 1671387.0/42

reg_asym_usr_mean vs Slug



Right In: 2781.176 $\pm$ 416.303 χ^2 /NDF: 13.2/18

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

Right Out: -1793.094 $\pm$ 390.313 χ^2 /NDF: 14.9/20

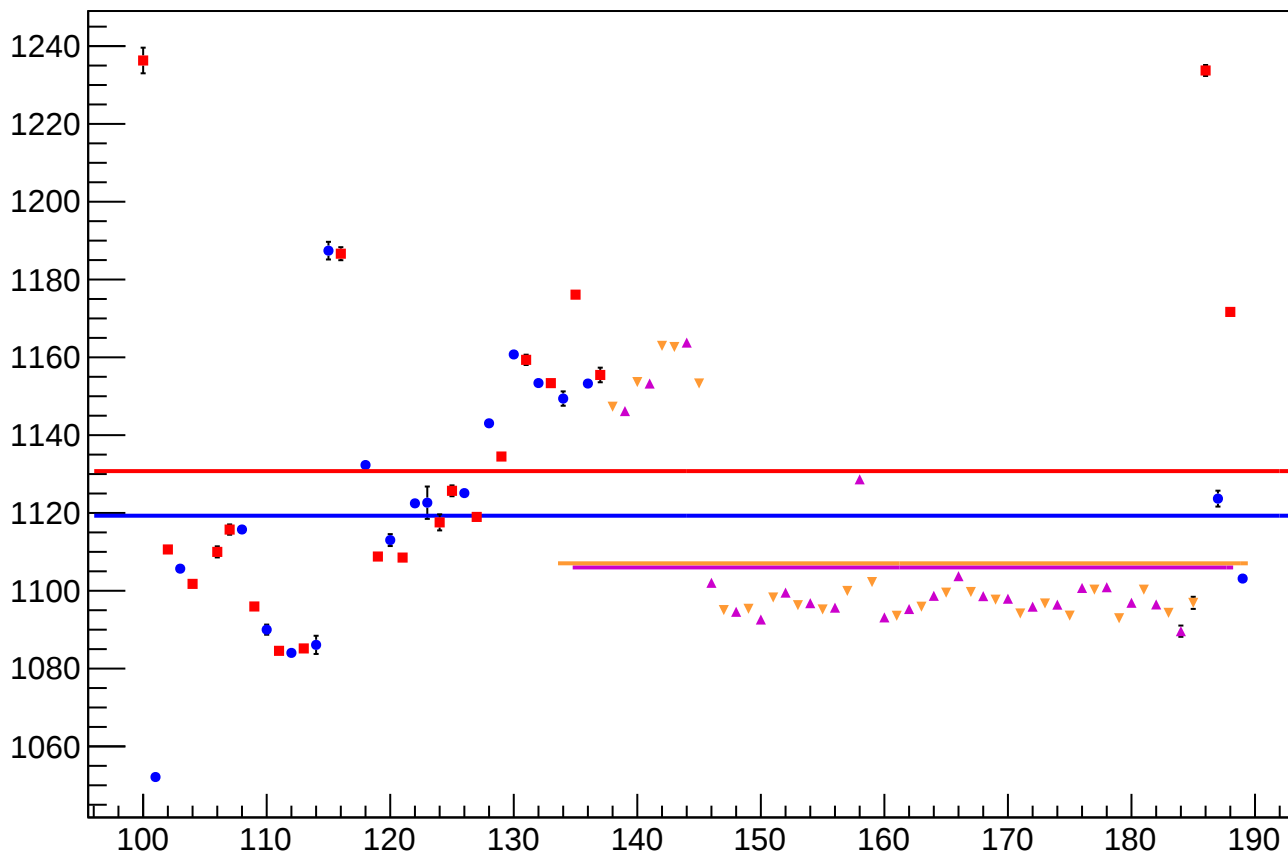
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2332.941 $\pm$ 219.004 χ^2 /NDF: 29.8/43

All: 90.712 $\pm$ 154.829 χ^2 /NDF: 286.8/87

- sign -2149.789 $\pm$ 218.920 χ^2 /NDF: 47.4/43

reg_asym_usr_rms vs Slug



Right In: 1119.293 $\pm$ 0.294 χ^2 /NDF: 12163.0/18

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

Right Out: 1130.759 $\pm$ 0.276 χ^2 /NDF: 18490.3/20

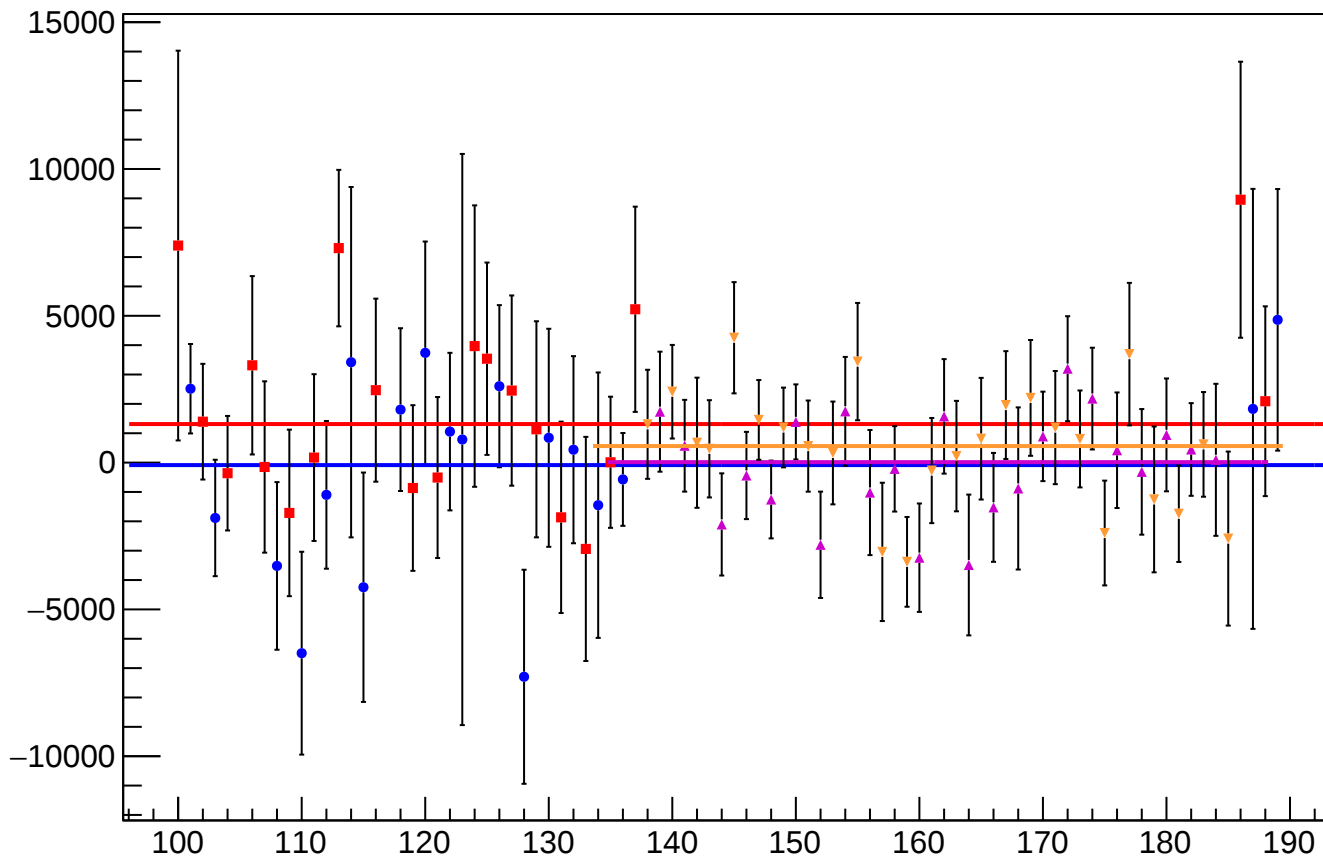
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

+ sign 1110.443 $\pm$ 0.155 χ^2 /NDF: 28588.3/43

All: 1112.115 $\pm$ 0.109 χ^2 /NDF: 64380.5/87

- sign 1113.786 $\pm$ 0.155 χ^2 /NDF: 35559.0/43

asym_usr_correction_mean vs Slug



Right In: -85.156 ± 647.186 $\chi^2/\text{NDF}: 18.4/18$

Left Out: 563.282 ± 360.901 $\chi^2/\text{NDF}: 26.8/24$

Right Out: 1312.479 ± 643.886 $\chi^2/\text{NDF}: 17.2/20$

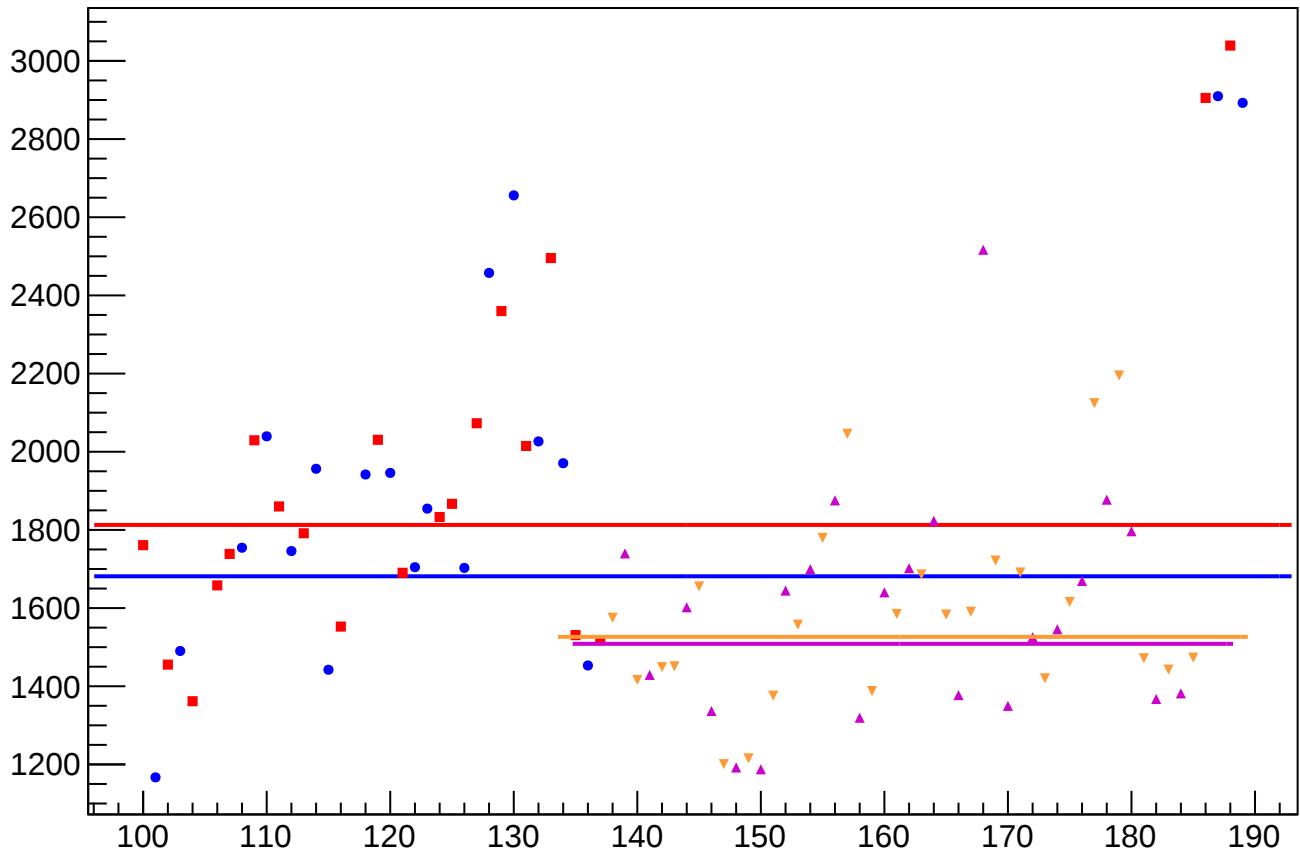
Left In: 15.520 ± 366.854 $\chi^2/\text{NDF}: 20.1/22$

+ sign 409.469 ± 315.204 $\chi^2/\text{NDF}: 45.9/43$

All: 371.839 ± 224.126 $\chi^2/\text{NDF}: 86.3/87$

- sign 333.358 ± 318.749 $\chi^2/\text{NDF}: 40.4/43$

asym_usr_correction_rms vs Slug



Right In: 1681.327+/-0.458 χ^2/NDF : 814229.8/18

Left Out: 1526.391+/-0.255 χ^2/NDF : 753714.4/24

Right Out: 1812.721+/-0.455 χ^2/NDF : 793124.6/20

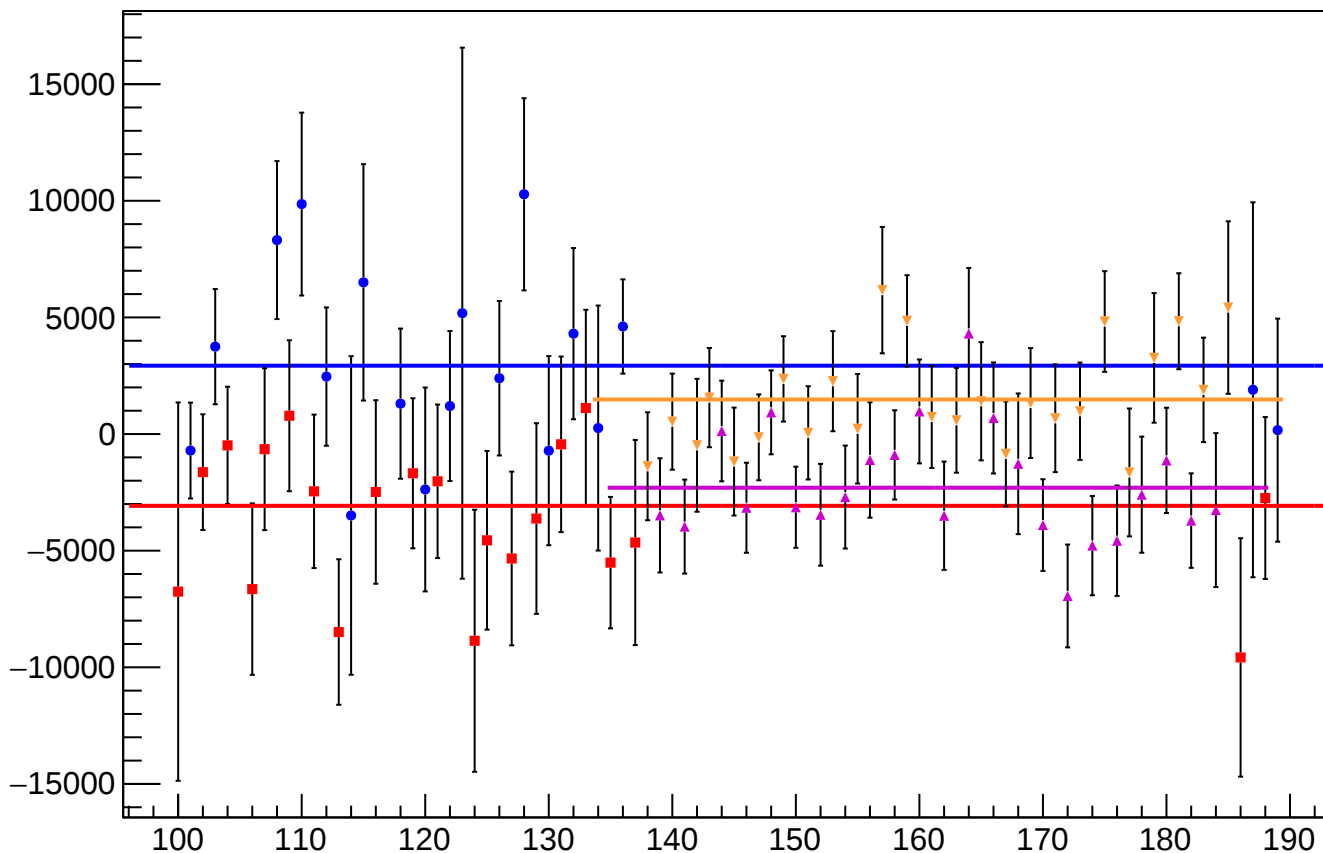
Left In: 1508.581+/-0.259 χ^2/NDF : 931684.8/22

+ sign 1563.143+/-0.223 χ^2/NDF : 1655378.5/43

All: 1573.017+/-0.158 χ^2/NDF : 3721032.3/87

- sign 1583.115+/-0.225 χ^2/NDF : 2061684.0/43

asym_usr_mean vs Slug



Right In: 2930.059 $\pm$ 789.053 χ^2 /NDF: 17.8/18

Left Out: 1482.365 $\pm$ 449.983 χ^2 /NDF: 20.9/24

Right Out: -3077.006 $\pm$ 768.093 χ^2 /NDF: 13.4/20

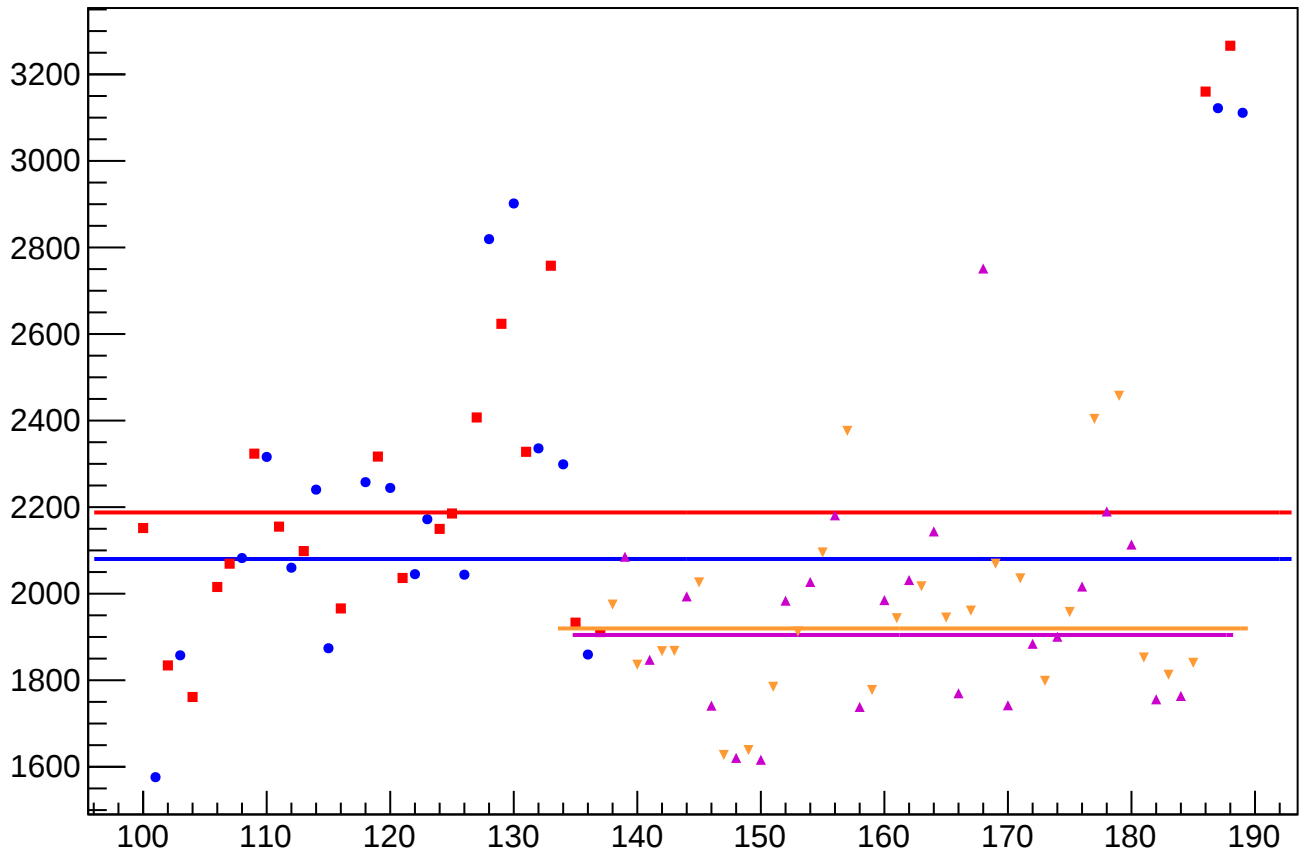
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ sign 1837.643 $\pm$ 390.888 χ^2 /NDF: 41.3/43

All: -316.472 $\pm$ 277.505 χ^2 /NDF: 141.5/87

- sign -2505.405 $\pm$ 394.034 χ^2 /NDF: 39.0/43

asym_usr_rms vs Slug



Right In: 2080.206+/-0.558 χ^2/NDF : 467980.9/18

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

Right Out: 2187.687+/-0.543 χ^2/NDF : 483017.0/20

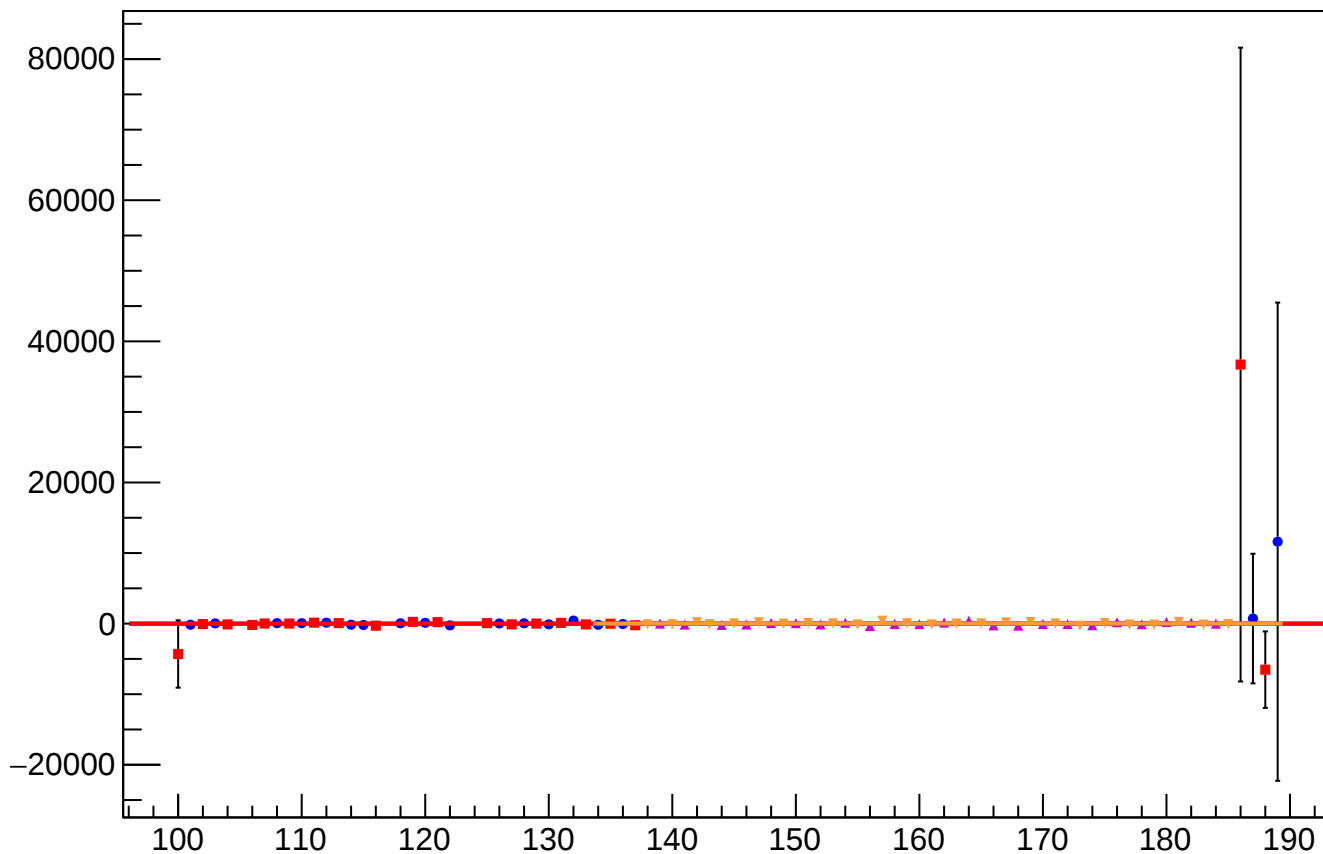
Left In: 1904.629+/-0.325 χ^2/NDF : 447350.7/22

+ sign 1959.114+/-0.276 χ^2/NDF : 896621.4/43

All: 1969.037+/-0.196 χ^2/NDF : 2029721.9/87

- sign 1979.122+/-0.279 χ^2/NDF : 1130501.5/43

reg_asym_dsl_mean vs Slug



Right In: -0.745 ± 36.771 χ^2/NDF : 16.6/17

Left Out: 7.608 ± 25.572 χ^2/NDF : 36.5/24

Right Out: -1.735 ± 36.755 χ^2/NDF : 15.9/19

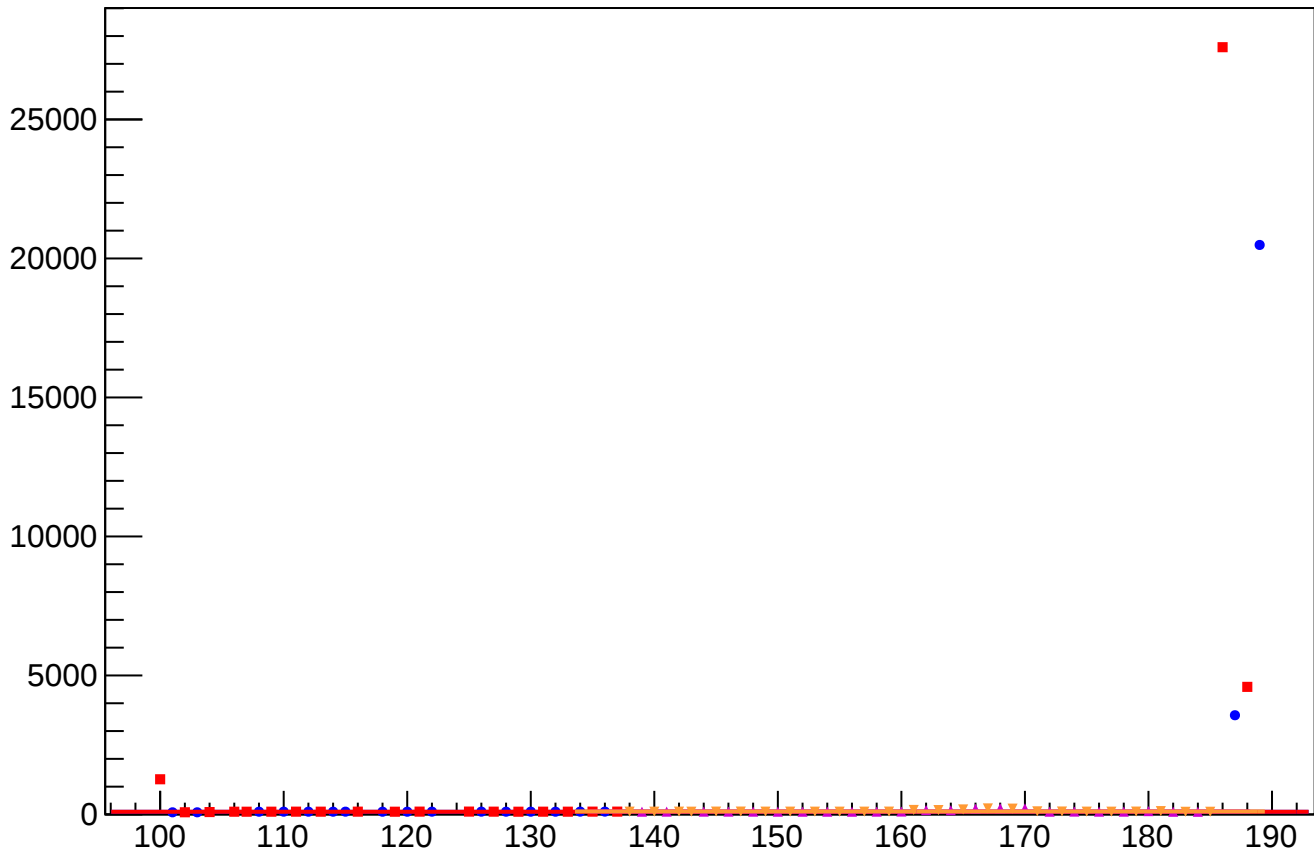
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 4.885 ± 20.995 χ^2/NDF : 53.2/42

All: -5.824 ± 14.991 χ^2/NDF : 106.2/85

- sign -16.964 ± 21.412 χ^2/NDF : 52.6/42

reg_asym_dsl_rms vs Slug



Right In: 94.127 $\pm$ 0.026 χ^2 /NDF: 1163537.4/17

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

Right Out: 96.583 $\pm$ 0.026 χ^2 /NDF: 2334498.5/19

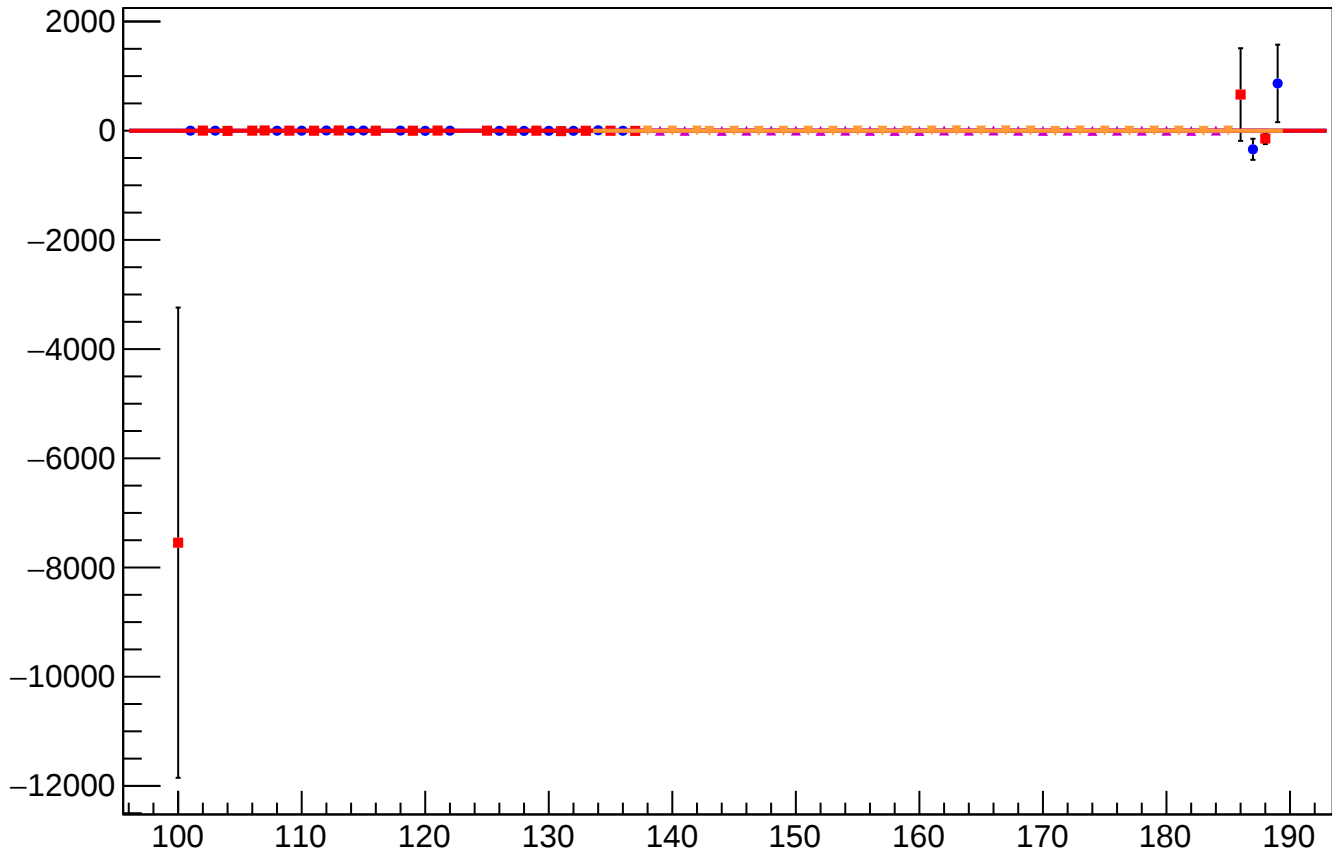
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.201 $\pm$ 0.015 χ^2 /NDF: 2791608.1/42

All: 103.548 $\pm$ 0.011 χ^2 /NDF: 6738526.0/85

- sign 103.909 $\pm$ 0.015 χ^2 /NDF: 3945802.5/42

asym_dsl_correction_mean vs Slug



Right In: 0.387 ± 0.617 χ^2/NDF : 15.0/17

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

Right Out: 0.339 ± 0.644 χ^2/NDF : 23.6/19

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

+ sign -0.354 ± 0.368 χ^2/NDF : 51.4/42

All: -0.107 ± 0.267 χ^2/NDF : 101.0/85

- sign 0.166 ± 0.387 χ^2/NDF : 48.7/42

asym_dsl_correction_rms vs Slug



Right In: 1.421+/-0.000 χ^2/NDF : 1643579.7/17

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

Right Out: 1.558+/-0.000 χ^2/NDF : 2202861.5/19

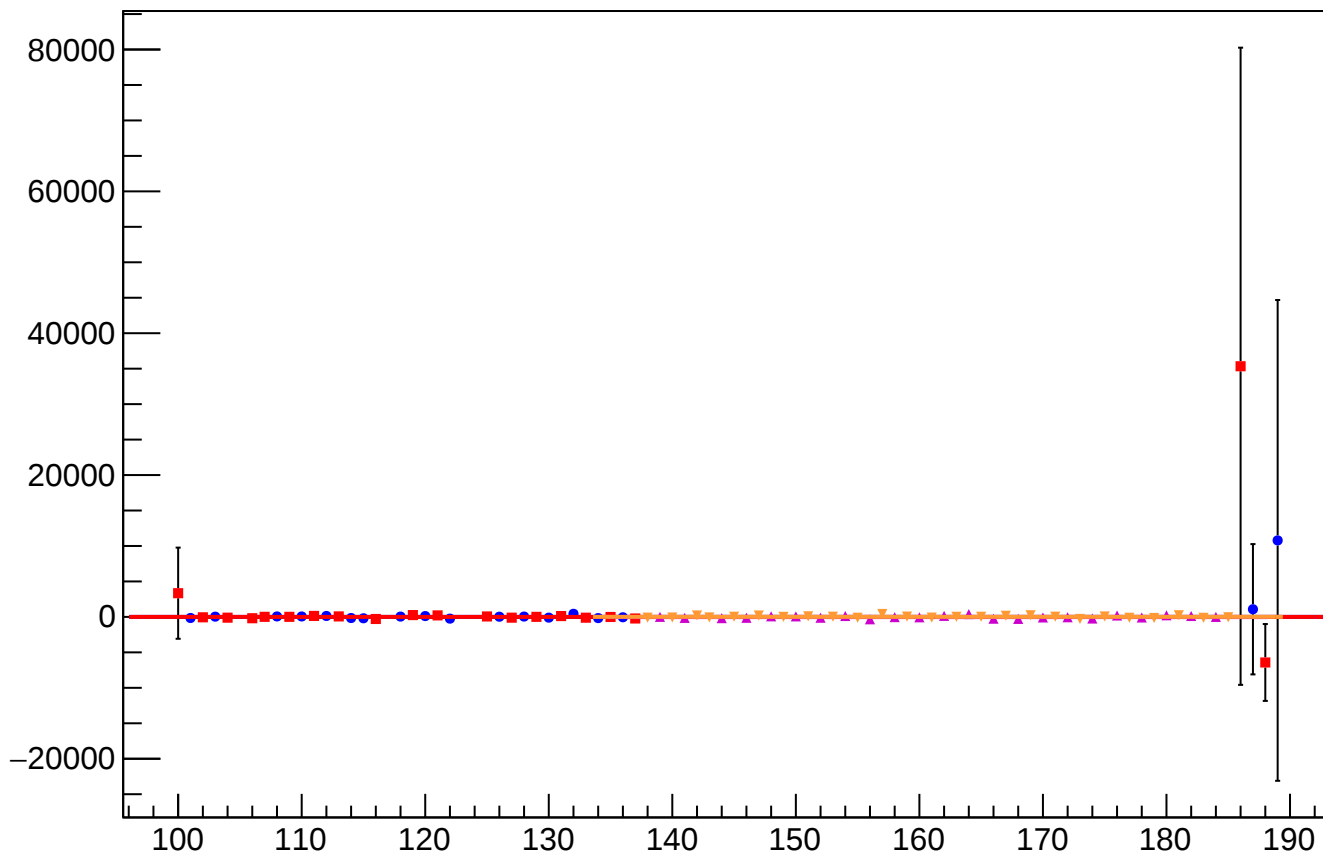
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.630+/-0.000 χ^2/NDF : 3685143.7/42

All: 1.670+/-0.000 χ^2/NDF : 8041996.5/85

- sign 1.714+/-0.000 χ^2/NDF : 4307732.3/42

asym_dsl_mean vs Slug



Right In: -0.444 ± 36.781 χ^2/NDF : 16.8/17

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

Right Out: -1.495 ± 36.765 χ^2/NDF : 15.3/19

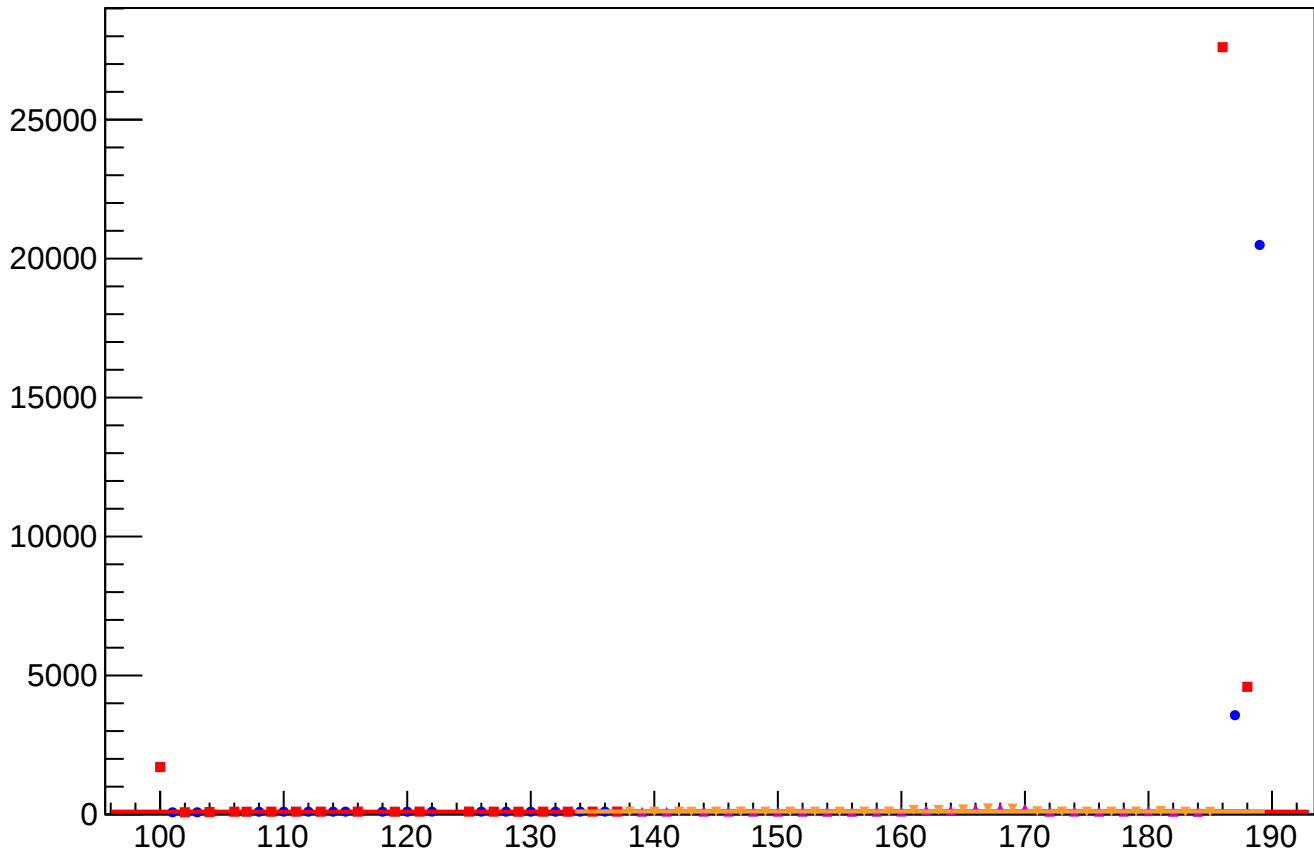
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 5.525 ± 21.001 χ^2/NDF : 53.1/42

All: -5.628 ± 14.995 χ^2/NDF : 105.0/85

- sign -17.229 ± 21.418 χ^2/NDF : 51.3/42

asym_dsl_rms vs Slug



Right In: 94.151+/-0.026 χ^2/NDF : 1163535.5/17

Left Out: 107.620+/-0.018 χ^2/NDF : 1448769.2/24

Right Out: 96.592+/-0.026 χ^2/NDF : 2339684.1/19

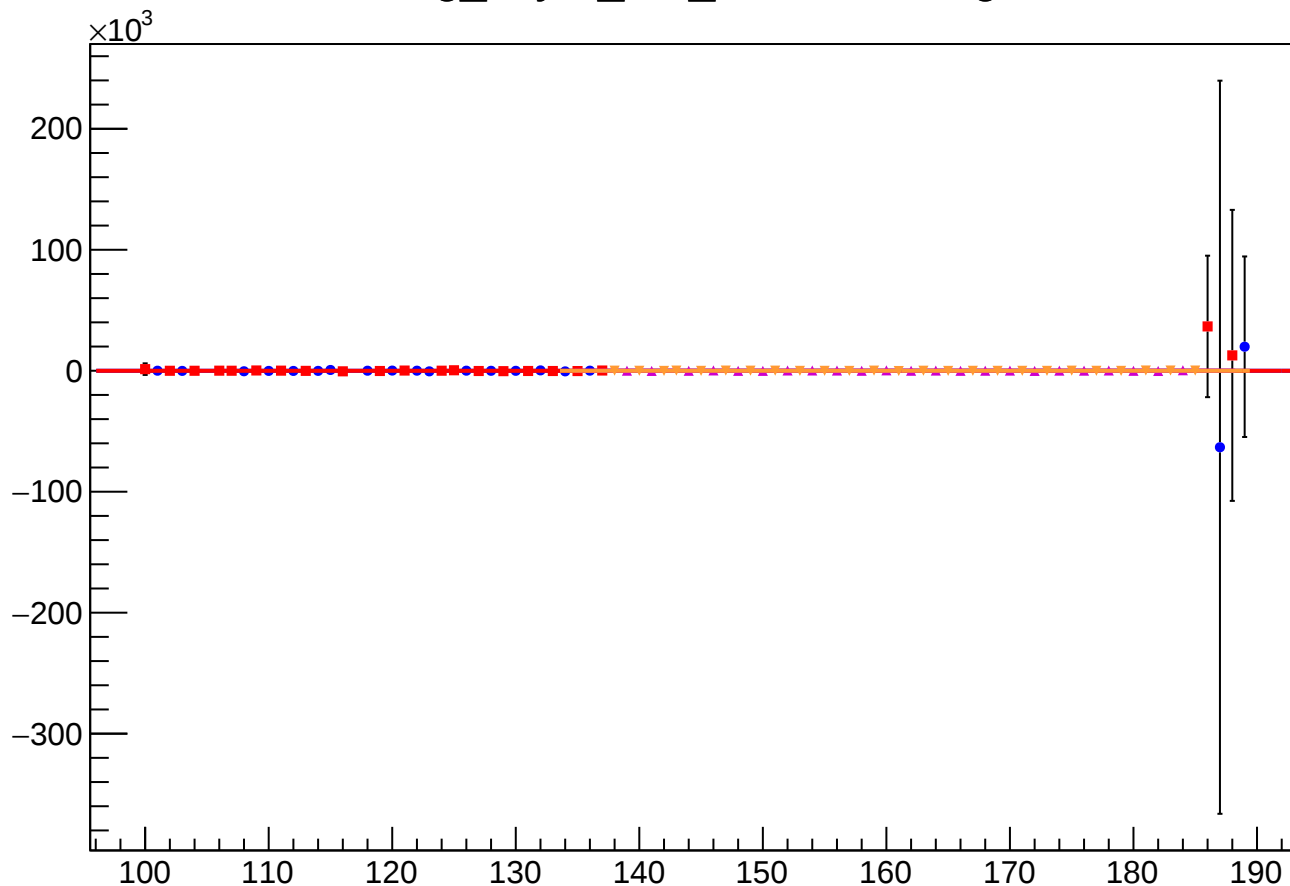
Left In: 107.703+/-0.019 χ^2/NDF : 1492338.5/22

+ sign 103.229+/-0.015 χ^2/NDF : 2793071.3/42

All: 103.574+/-0.011 χ^2/NDF : 6746868.4/85

- sign 103.932+/-0.015 χ^2/NDF : 3952698.0/42

reg_asym_dsr_mean vs Slug



Right In: -26.791 ± 46.841 χ^2/NDF : 14.5/18

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

Right Out: -53.358 ± 47.775 χ^2/NDF : 15.8/20

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

+ sign -17.284 ± 26.458 χ^2/NDF : 26.6/43

All: 4.352 ± 18.939 χ^2/NDF : 67.3/87

- sign 27.085 ± 27.121 χ^2/NDF : 39.3/43

reg_asym_dsr_rms vs Slug



Right In: 117.780 $\pm$ 0.033 χ^2 /NDF: 1392351.4/18

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

Right Out: 124.760 $\pm$ 0.034 χ^2 /NDF: 1999974.9/20

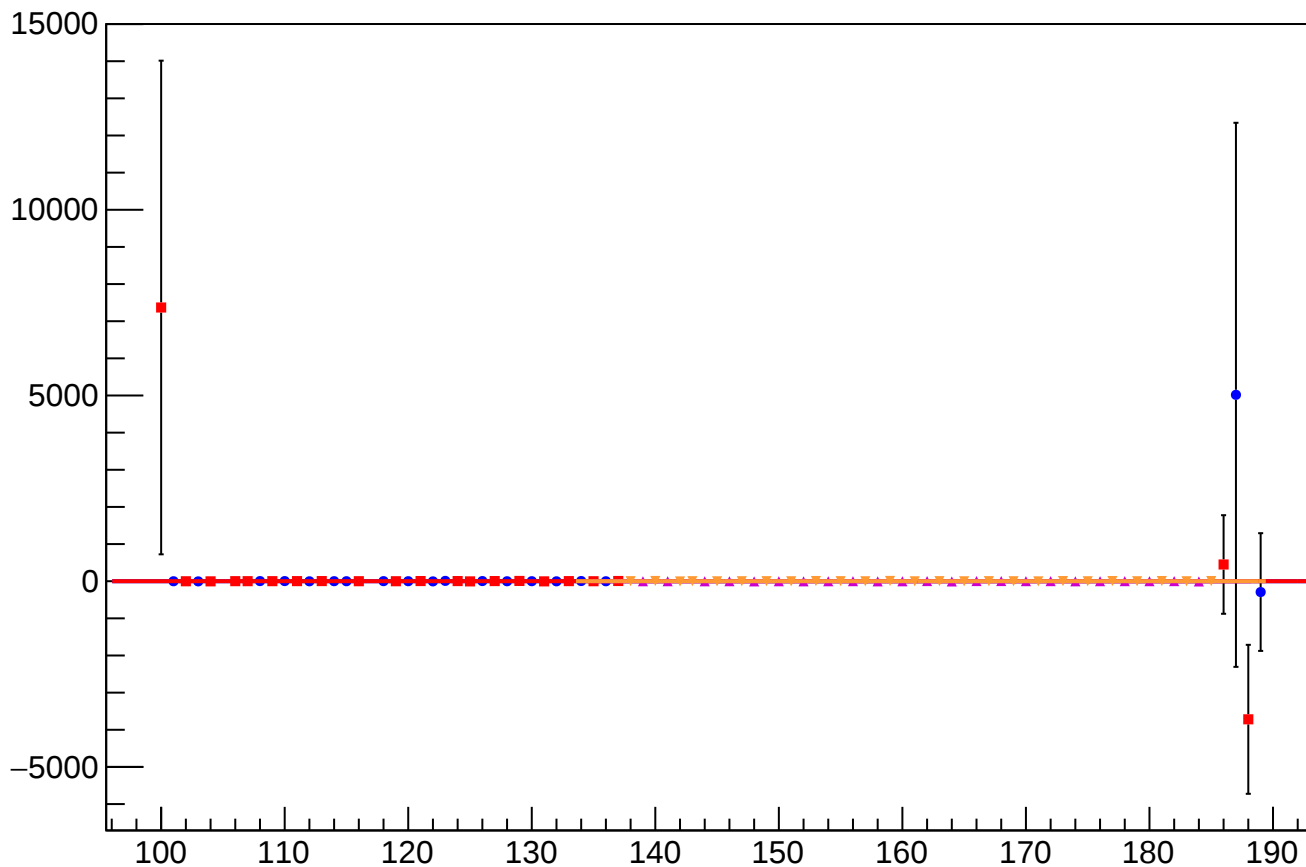
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF:460.3/22

+ sign 131.451 $\pm$ 0.019 χ^2 /NDF: 1642982.4/43

All: 132.499 $\pm$ 0.013 χ^2 /NDF: 3750907.4/87

- sign 133.601 $\pm$ 0.019 χ^2 /NDF: 2101487.4/43

asym_dsr_correction_mean vs Slug



Right In: -0.719+/-0.810 χ^2/NDF : 12.7/18

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

Right Out: 0.638+/-0.852 χ^2/NDF : 18.3/20

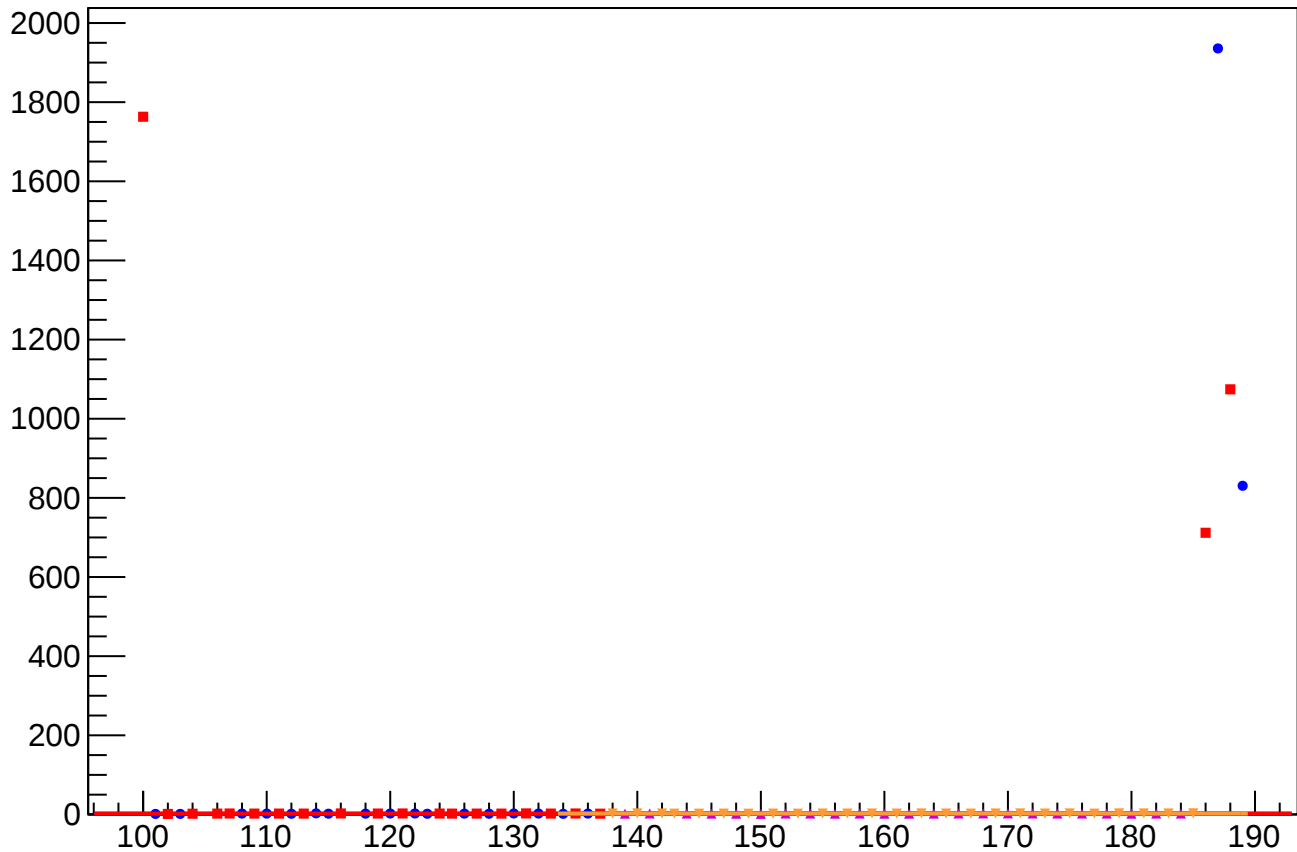
Left In: -0.290+/-0.579 χ^2/NDF : 20.7/22

+ sign 0.087+/-0.467 χ^2/NDF : 43.2/43

All: 0.046+/-0.334 χ^2/NDF : 82.9/87

- sign 0.003+/-0.479 χ^2/NDF : 39.7/43

asym_dsr_correction_rms vs Slug



Right In: 1.866 $\pm$ 0.001 χ^2 /NDF: 1176080.7/18

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

Right Out: 2.064 $\pm$ 0.001 χ^2 /NDF: 1665698.4/20

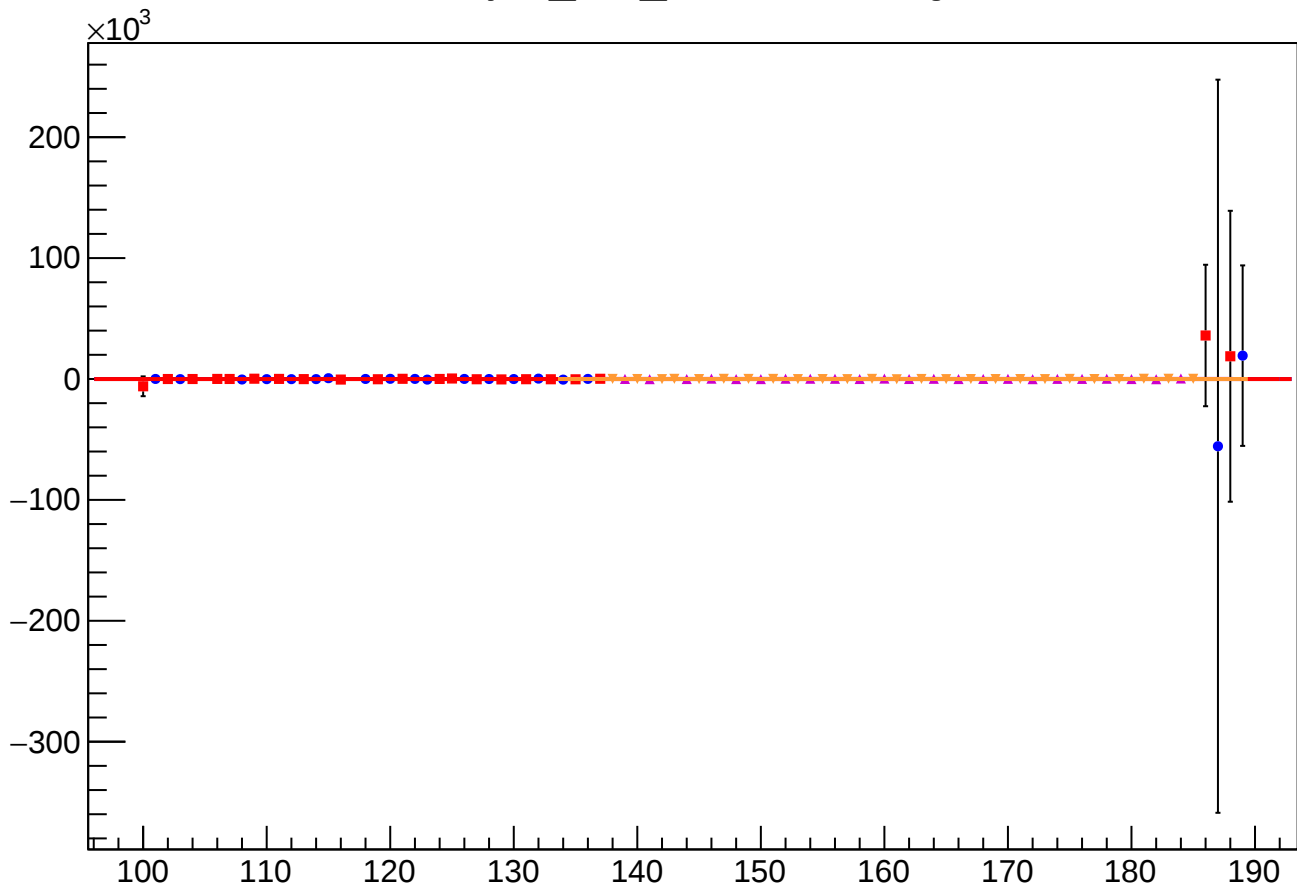
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF: 510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 1870577.0/43

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 4080667.1/87

- sign 2.152 $\pm$ 0.000 χ^2 /NDF: 2207865.9/43

asym_dsr_mean vs Slug



Right In: -25.053 ± 46.854 χ^2/NDF : 14.6/18

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

Right Out: -54.259 ± 47.789 χ^2/NDF : 16.5/20

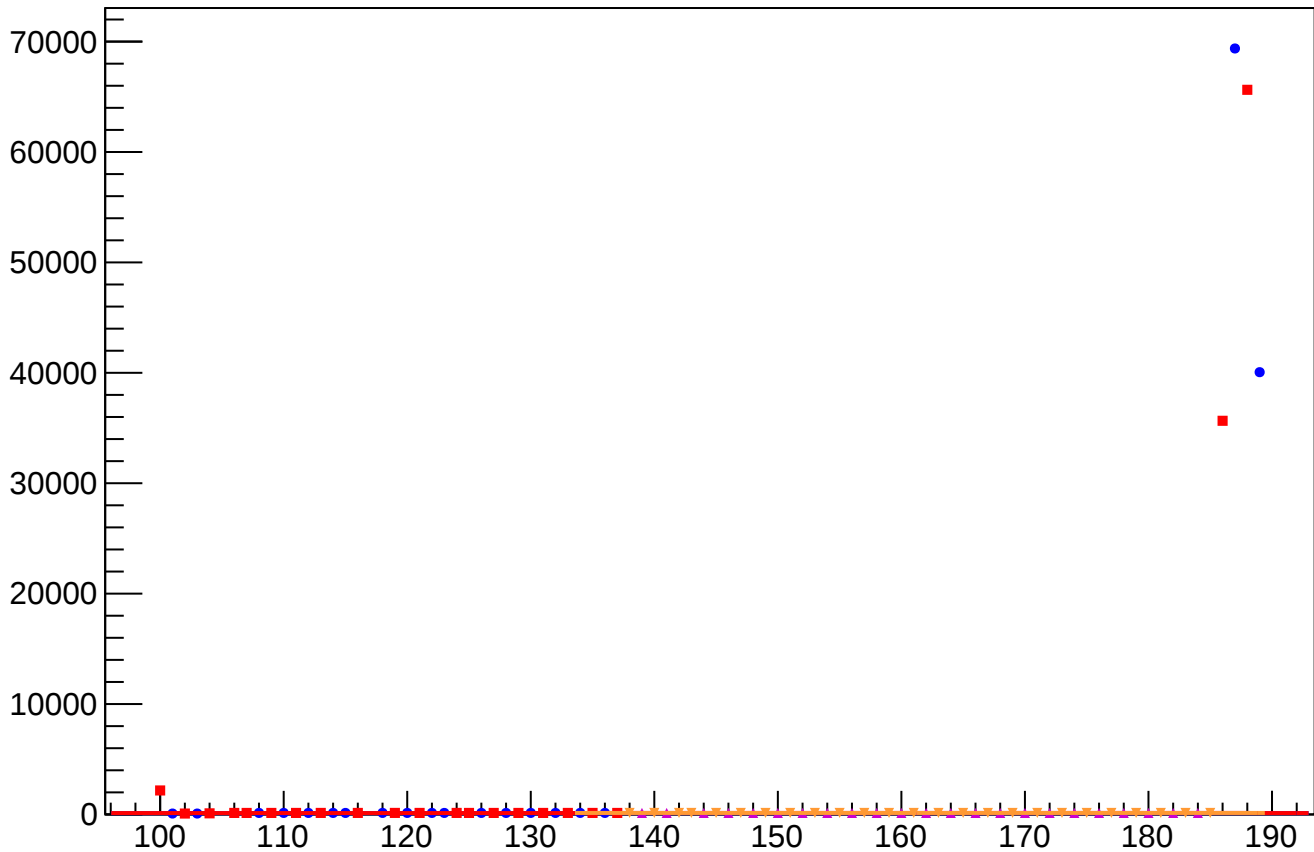
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.107 ± 26.465 χ^2/NDF : 26.4/43

All: 4.267 ± 18.944 χ^2/NDF : 67.8/87

- sign 26.725 ± 27.129 χ^2/NDF : 40.1/43

asym_dsr_rms vs Slug



Right In: 117.812 $\pm$ 0.033 χ^2 /NDF: 1392386.9/18

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

Right Out: 124.749 $\pm$ 0.034 χ^2 /NDF: 2010551.3/20

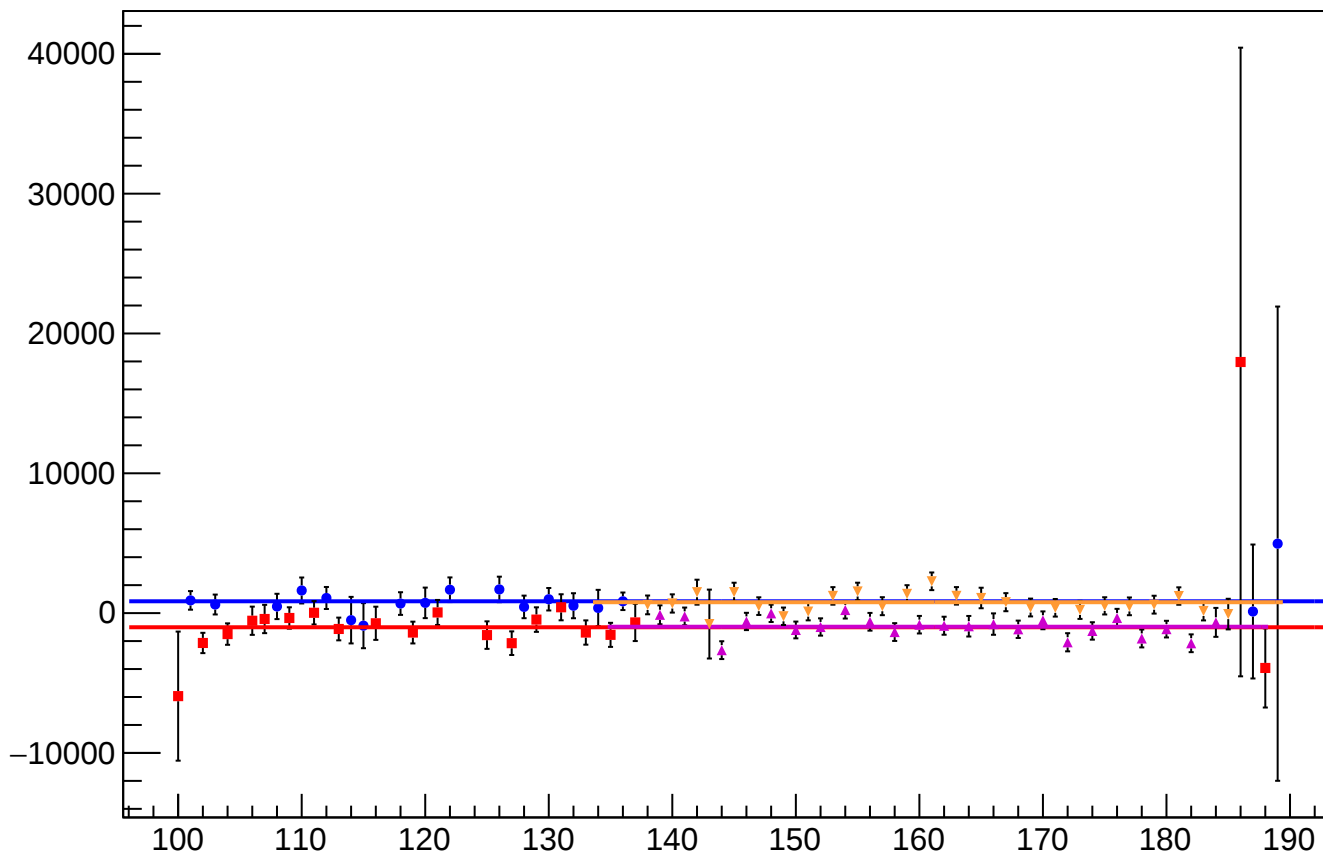
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.487 $\pm$ 0.019 χ^2 /NDF: 1643049.0/43

All: 132.529 $\pm$ 0.013 χ^2 /NDF: 3762178.5/87

- sign 133.623 $\pm$ 0.019 χ^2 /NDF: 2112776.1/43

reg_asym_left_avg_mean vs Slug



Right In: 846.208 ± 216.428 χ^2/NDF : 5.3/17

Left Out: 779.744 ± 133.856 χ^2/NDF : 19.6/24

Right Out: -1011.946 ± 212.651 χ^2/NDF : 15.8/19

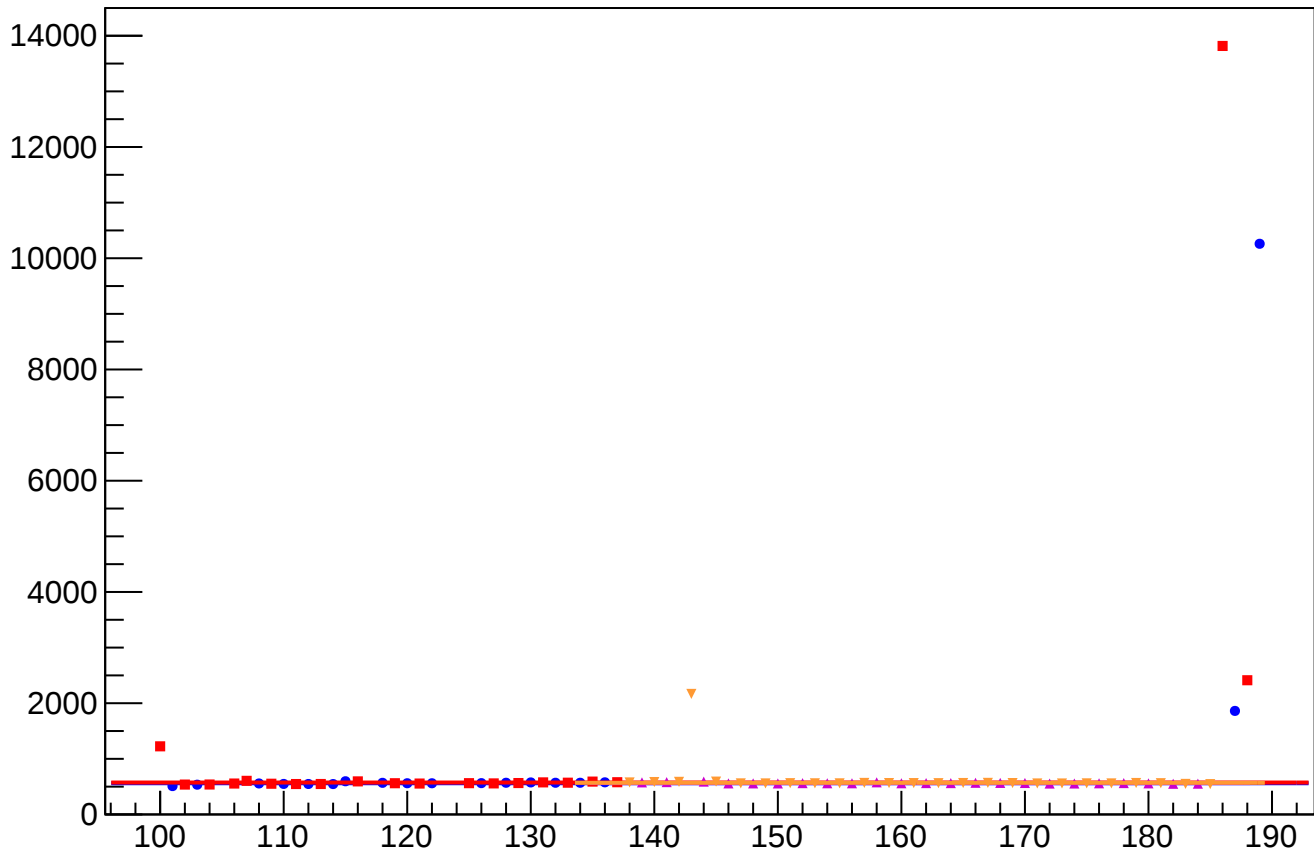
Left In: -974.402 ± 134.932 χ^2/NDF : 27.4/22

+ sign 798.134 ± 113.842 χ^2/NDF : 25.0/42

All: -92.820 ± 80.530 χ^2/NDF : 190.9/85

- sign -985.179 ± 113.932 χ^2/NDF : 43.3/42

reg_asym_left_avg_rms vs Slug



Right In: 561.116+/-0.153 χ^2/NDF : 821064.8/17

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

Right Out: 574.100+/-0.150 χ^2/NDF : 1600375.5/19

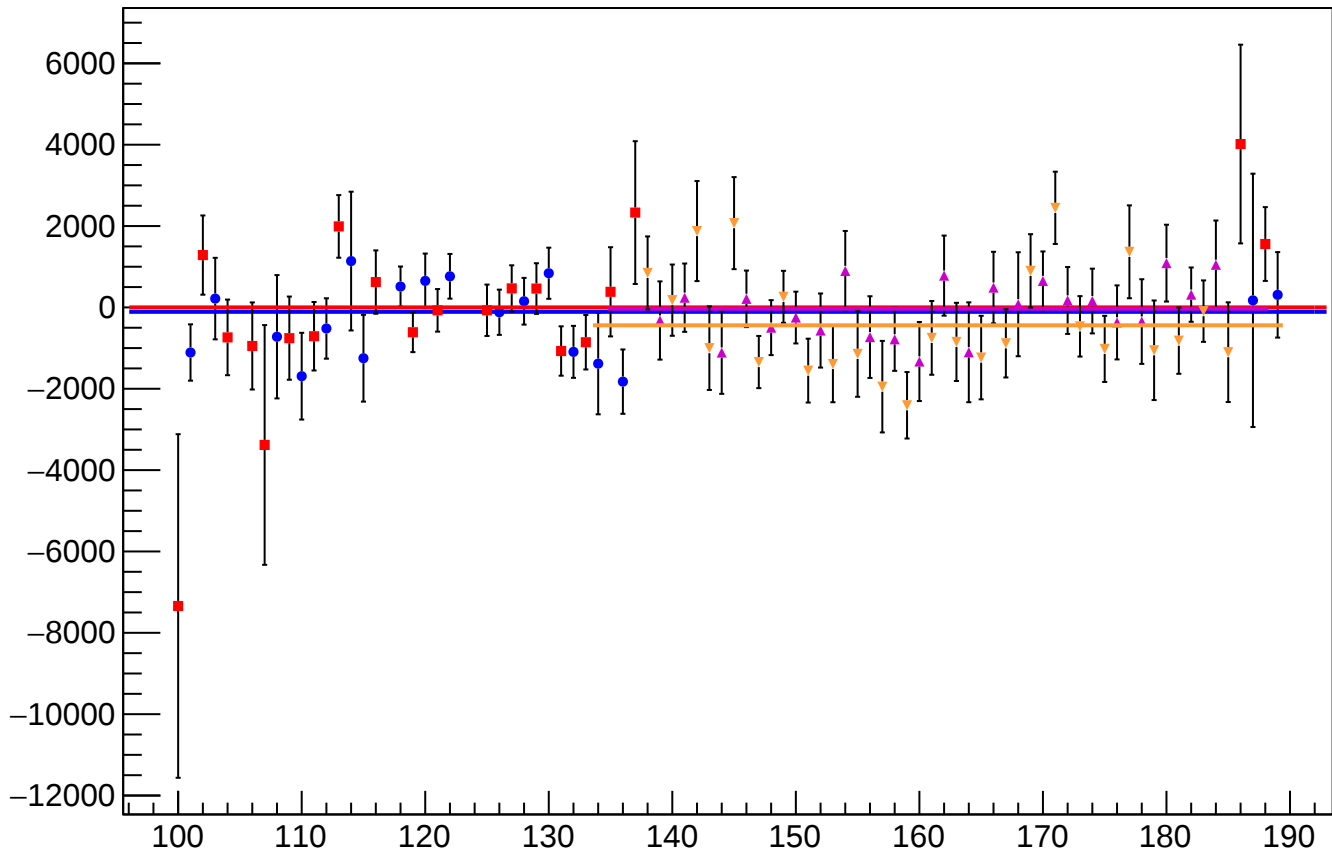
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 566.728+/-0.080 χ^2/NDF : 1676638.4/42

All: 566.950+/-0.057 χ^2/NDF : 3289216.0/85

- sign 567.172+/-0.081 χ^2/NDF : 1612562.4/42

asym_left_avg_correction_mean vs Slug



Right In: -108.478 ± 177.880 χ^2/NDF : 22.7/17

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

Right Out: 0.253 ± 175.471 χ^2/NDF : 31.2/19

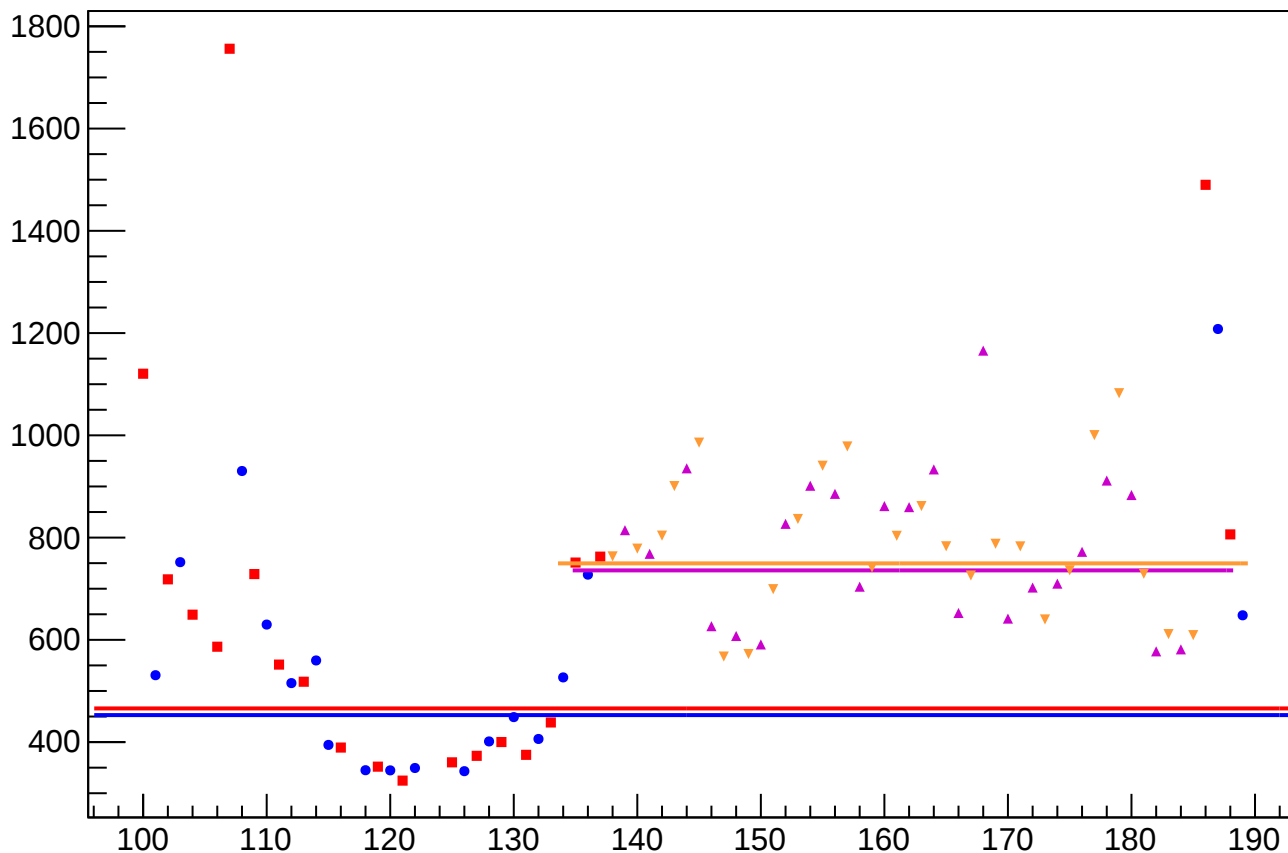
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -274.246 ± 125.781 χ^2/NDF : 68.0/42

All: -144.643 ± 88.825 χ^2/NDF : 113.5/85

- sign -15.715 ± 125.453 χ^2/NDF : 43.4/42

asym_left_avg_correction_rms vs Slug



Right In: 452.831 $\pm$ 0.126 χ^2/NDF : 1243546.0/17

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

Right Out: 465.862 $\pm$ 0.124 χ^2/NDF : 2110013.7/19

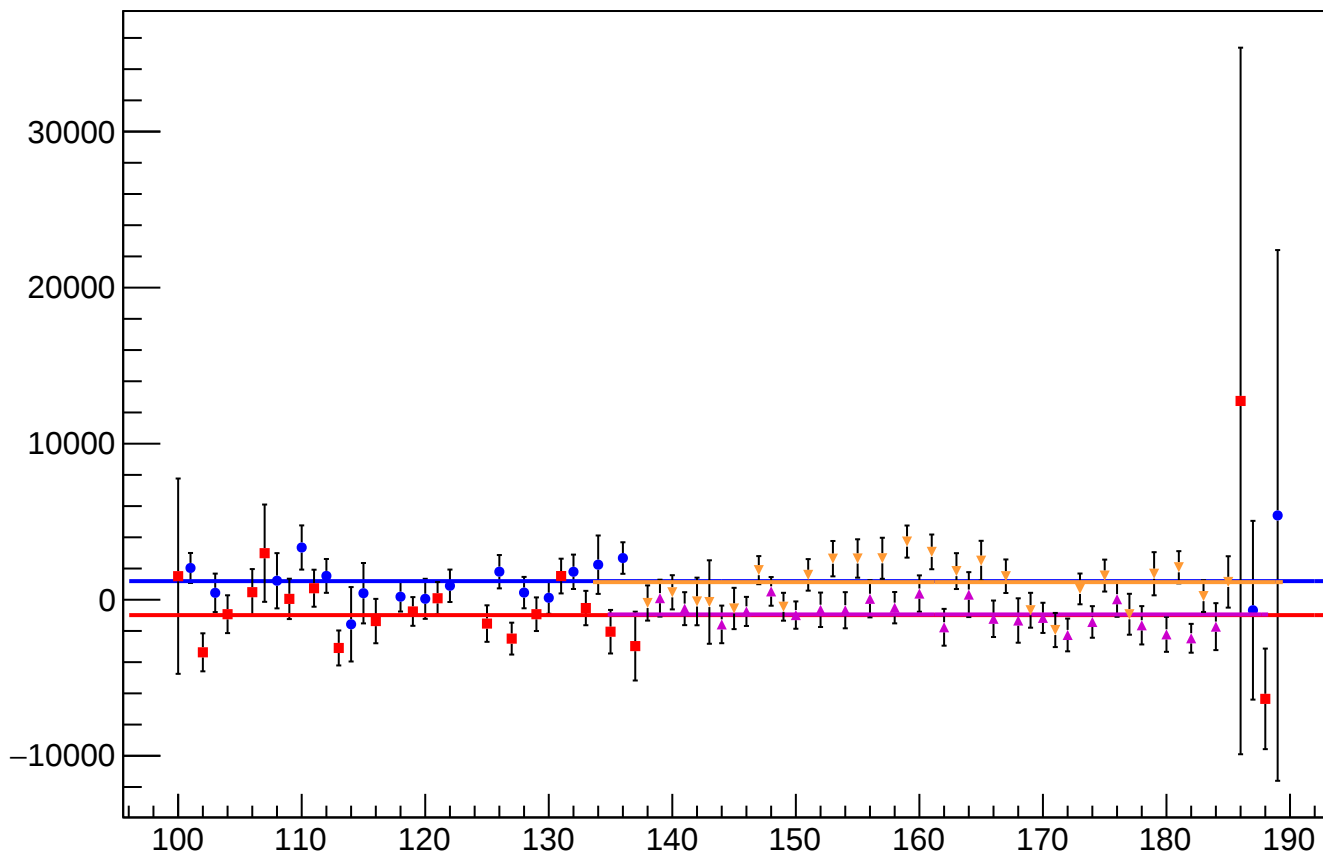
Left In: 735.850 $\pm$ 0.127 χ^2/NDF : 1105405.5/22

+ sign 601.201 $\pm$ 0.089 χ^2/NDF : 5079975.6/42

All: 599.519 $\pm$ 0.063 χ^2/NDF : 10610719.7/85

- sign 597.845 $\pm$ 0.089 χ^2/NDF : 5530030.2/42

asym_left_avg_mean vs Slug



Right In: 1192.464 $\pm$ 295.658 χ^2 /NDF: 11.9/17

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

Right Out: -985.222 $\pm$ 292.978 χ^2 /NDF: 26.3/19

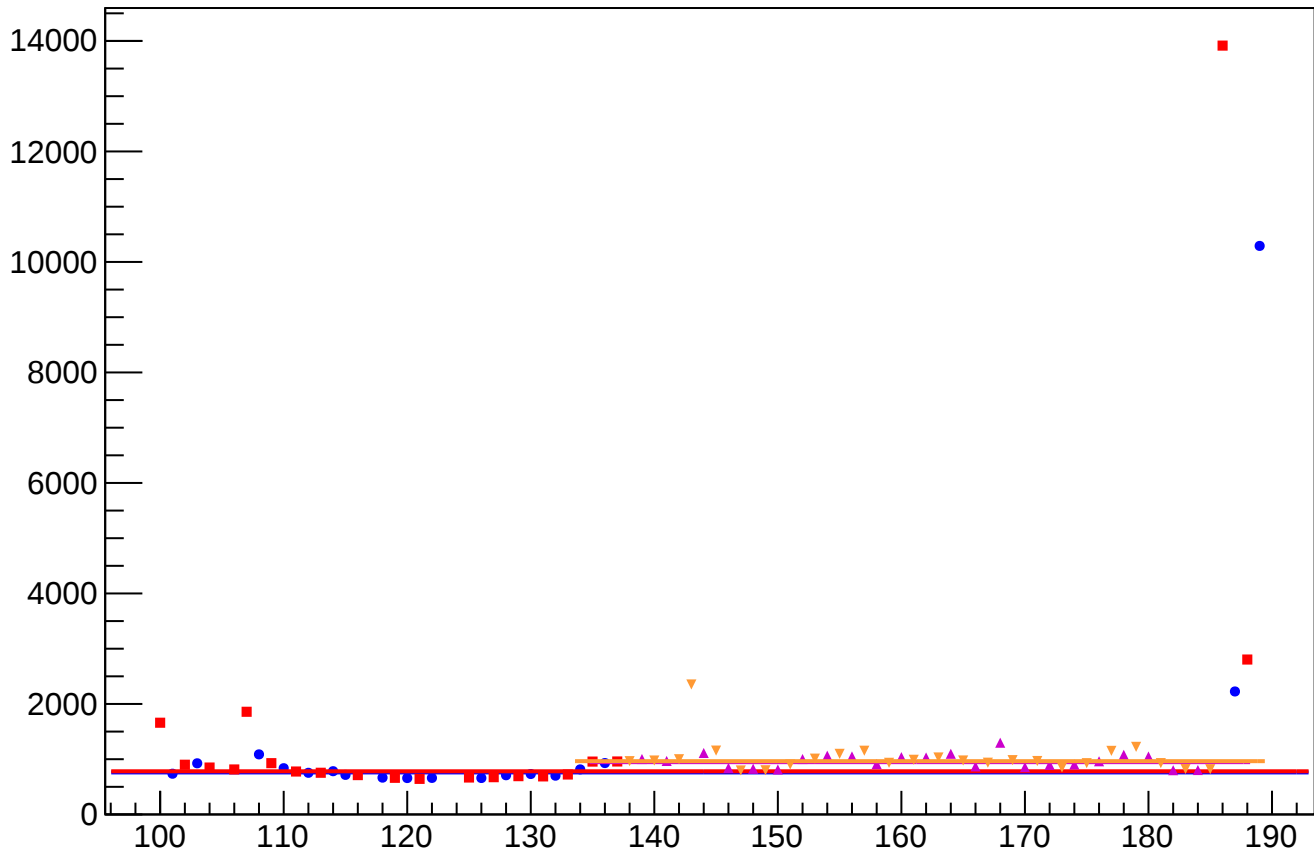
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF:14.8/22

+ sign 1152.417 $\pm$ 180.550 χ^2 /NDF: 51.0/42

All: 94.460 $\pm$ 127.506 χ^2 /NDF: 160.6/85

- sign -958.146 $\pm$ 180.093 χ^2 /NDF: 41.0/42

asym_left_avg_rms vs Slug



Right In: 760.616+/-0.209 χ^2/NDF : 1010420.9/17

Left Out: 964.493+/-0.161 χ^2/NDF : 1002763.0/24

Right Out: 781.402+/-0.207 χ^2/NDF : 1983555.8/19

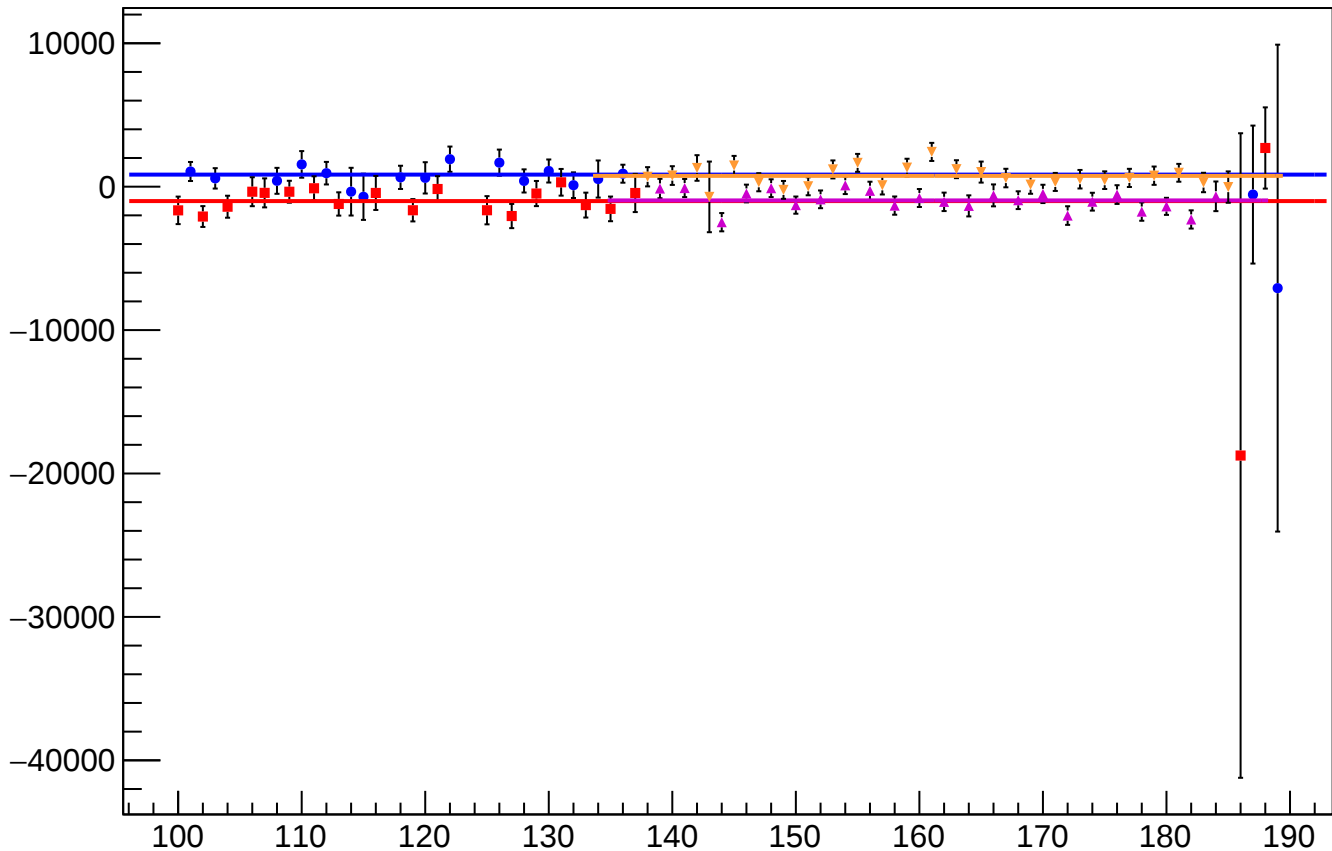
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 888.463+/-0.128 χ^2/NDF : 2609545.7/42

All: 886.307+/-0.090 χ^2/NDF : 5490514.1/85

- sign 884.162+/-0.127 χ^2/NDF : 2880399.5/42

reg_asym_left_dd_mean vs Slug



Right In: 841.255 ± 216.261 χ^2/NDF : 6.4/17

Left Out: 753.308 ± 133.745 χ^2/NDF : 21.4/24

Right Out: -1004.558 ± 207.660 χ^2/NDF : 14.7/19

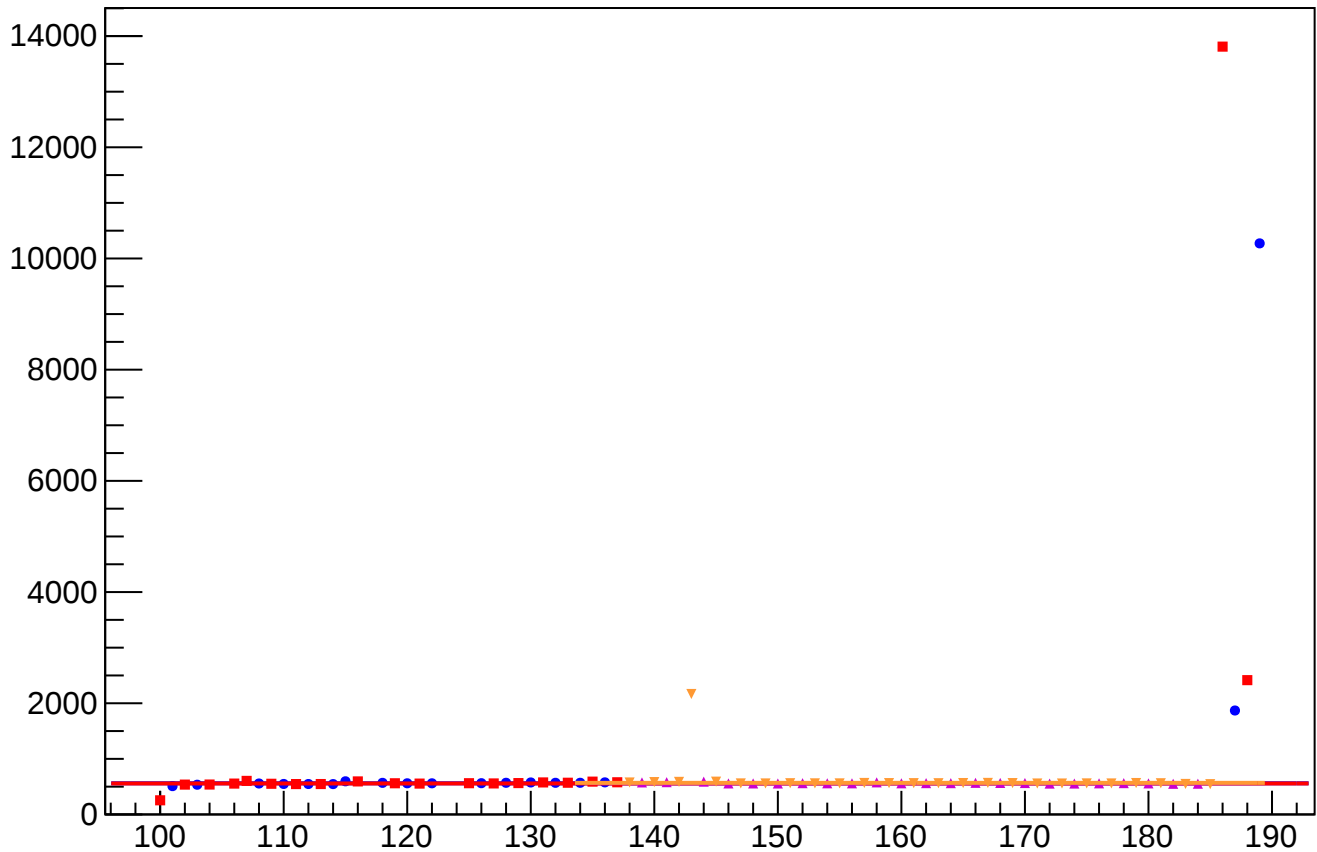
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 777.639 ± 113.749 χ^2/NDF : 27.9/42

All: -102.420 ± 80.196 χ^2/NDF : 188.5/85

- sign -972.169 ± 113.081 χ^2/NDF : 41.6/42

reg_asym_left_dd_rms vs Slug



Right In: 560.668 $\pm$ 0.153 χ^2 /NDF: 822125.1/17

Left Out: 568.400 $\pm$ 0.095 χ^2 /NDF: 854012.8/24

Right Out: 557.348 $\pm$ 0.147 χ^2 /NDF: 1770766.3/19

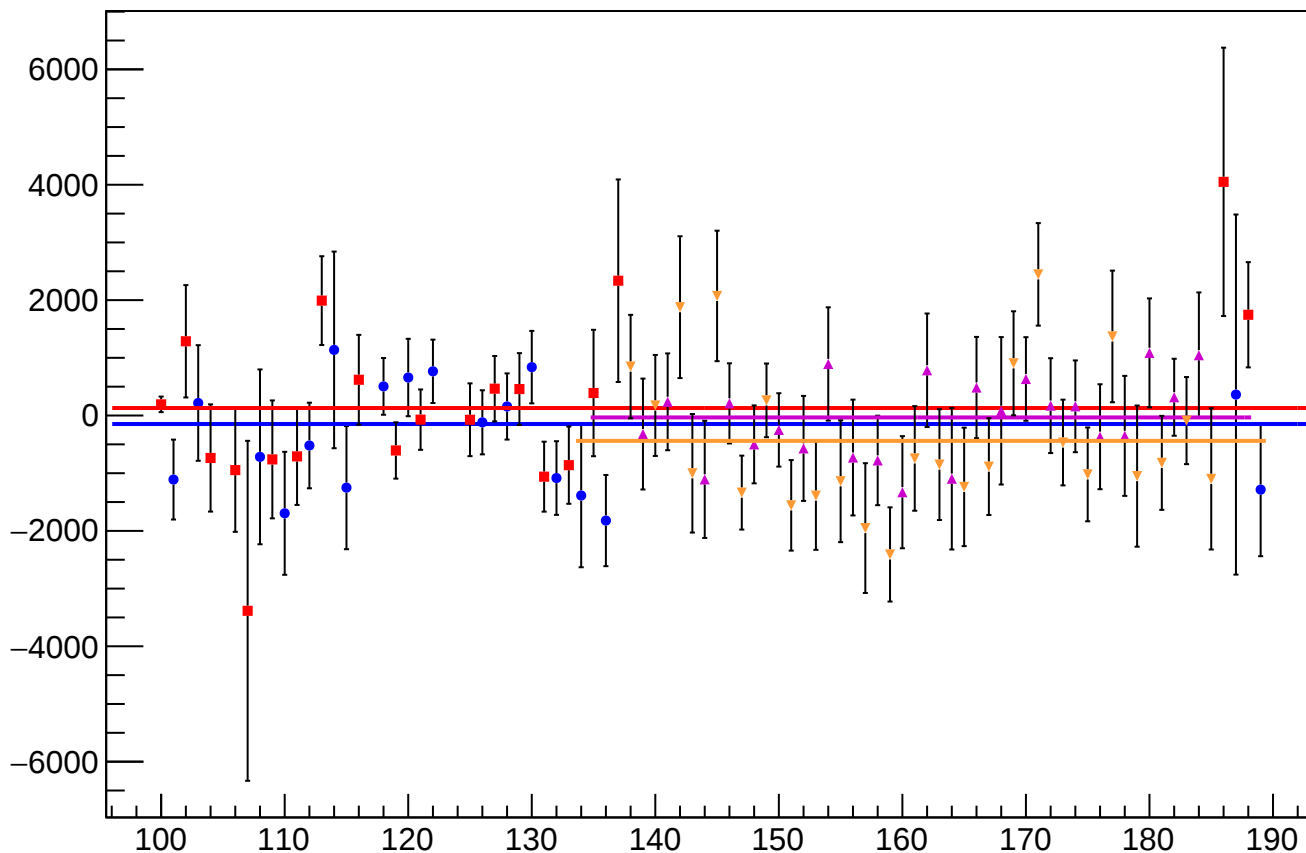
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

+ sign 566.261 $\pm$ 0.080 χ^2 /NDF: 1677987.0/42

All: 564.108 $\pm$ 0.057 χ^2 /NDF: 3460797.2/85

- sign 561.981 $\pm$ 0.080 χ^2 /NDF: 1781386.1/42

asym_left_dd_correction_mean vs Slug



Right In: -147.368 ± 178.234 χ^2/NDF : 23.5/17

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

Right Out: 129.818 ± 106.993 χ^2/NDF : 29.7/19

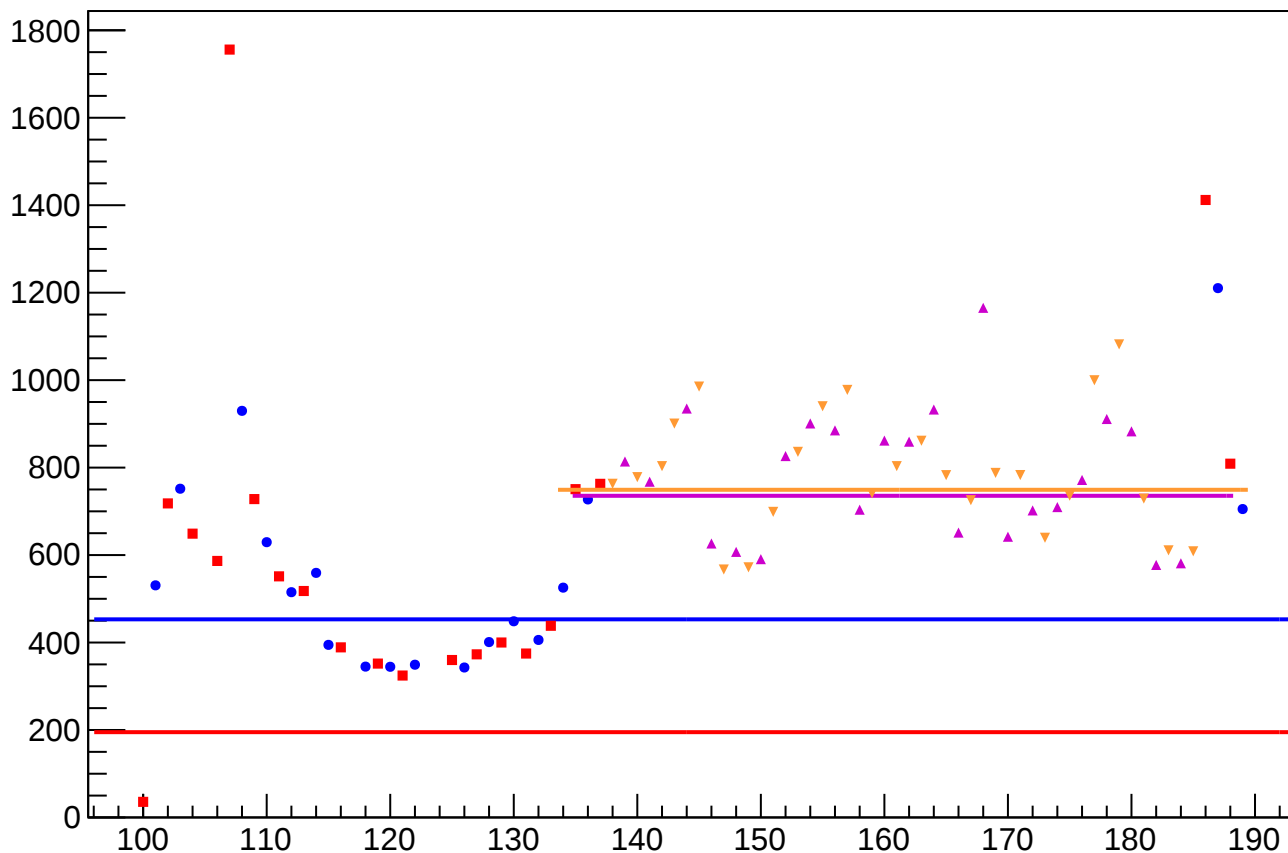
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -293.862 ± 125.880 χ^2/NDF : 68.5/42

All: -45.392 ± 74.217 χ^2/NDF : 116.9/85

- sign 86.999 ± 91.886 χ^2/NDF : 42.5/42

asym_left_dd_correction_rms vs Slug



Right In: 453.018+/-0.126 χ^2/NDF : 1270492.5/17

Left Out: 749.270+/-0.126 χ^2/NDF : 1054352.9/24

Right Out: 195.033+/-0.076 χ^2/NDF : 9547198.1/19

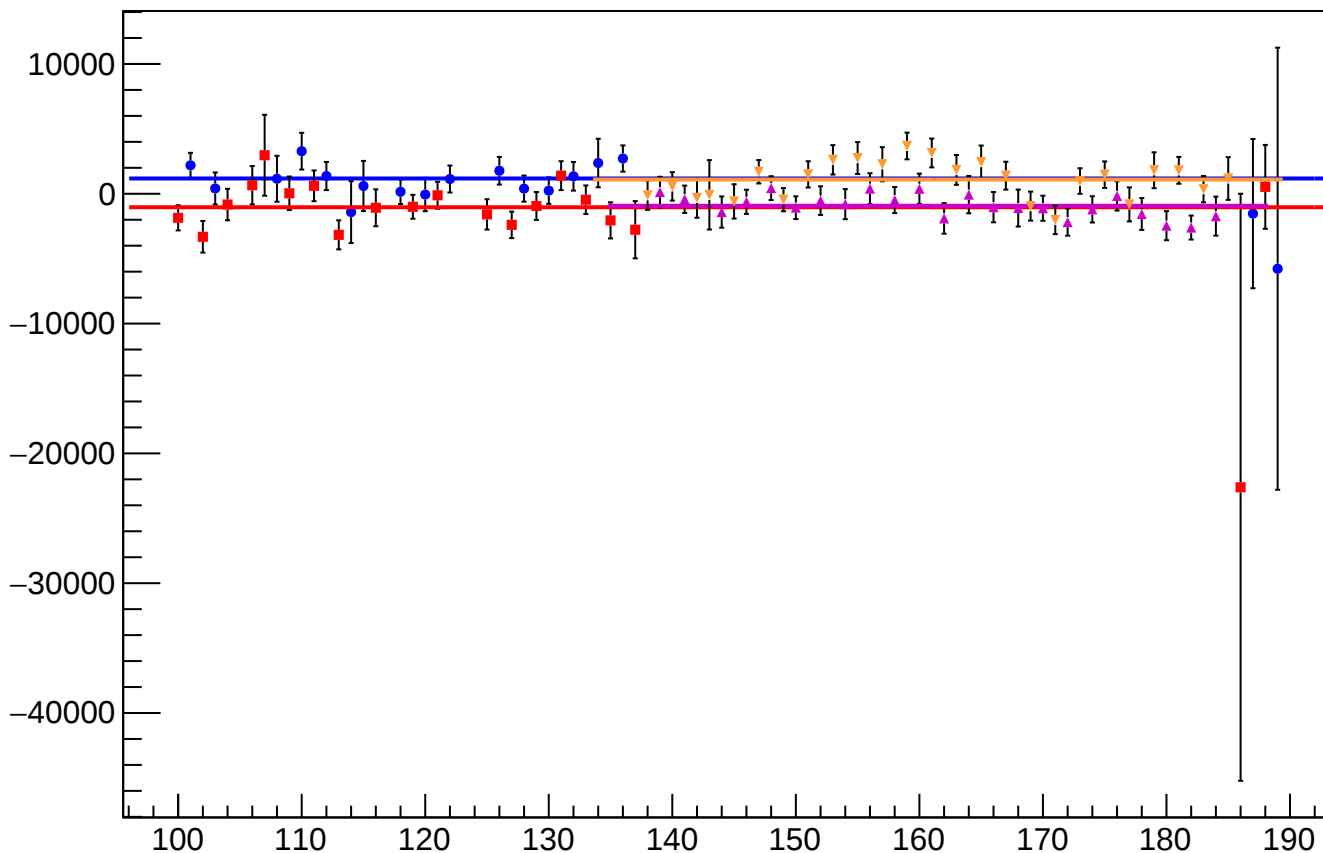
Left In: 735.543+/-0.127 χ^2/NDF : 1105222.3/22

+ sign 601.498+/-0.089 χ^2/NDF : 5094193.4/42

All: 428.874+/-0.052 χ^2/NDF : 34908348.4/85

- sign 336.896+/-0.065 χ^2/NDF : 24048997.8/42

asym_left_dd_mean vs Slug



Right In: 1177.688 $\pm$ 295.461 χ^2 /NDF: 12.0/17

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

Right Out: -1039.066 $\pm$ 280.551 χ^2 /NDF: 23.6/19

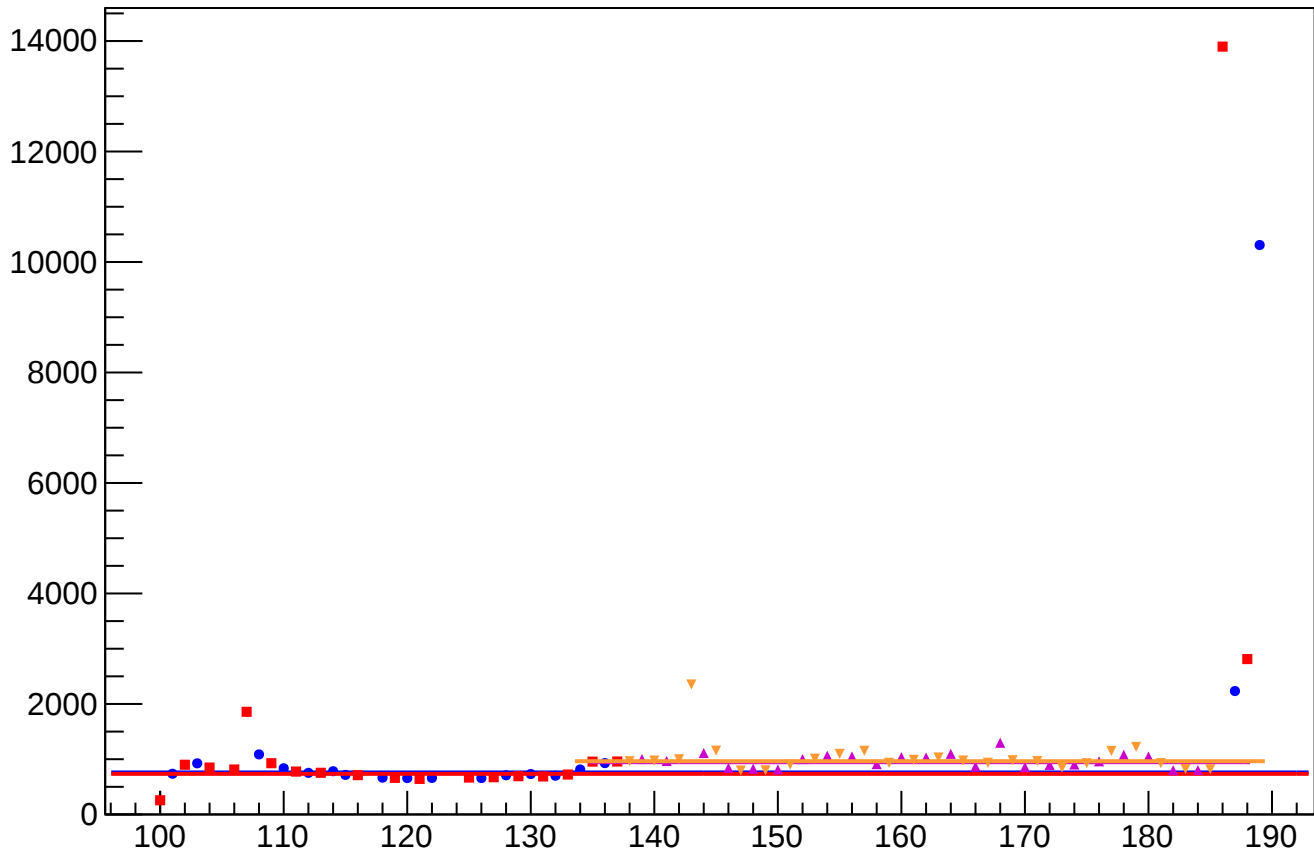
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1126.799 $\pm$ 180.440 χ^2 /NDF: 50.5/42

All: 57.794 $\pm$ 126.367 χ^2 /NDF: 158.2/85

- sign -971.189 $\pm$ 177.030 χ^2 /NDF: 38.8/42

asym_left_dd_rms vs Slug



Right In: 760.080+/-0.209 χ^2/NDF : 1011655.8/17

Left Out: 963.933+/-0.161 χ^2/NDF : 1003095.2/24

Right Out: 735.157+/-0.198 χ^2/NDF : 2478446.8/19

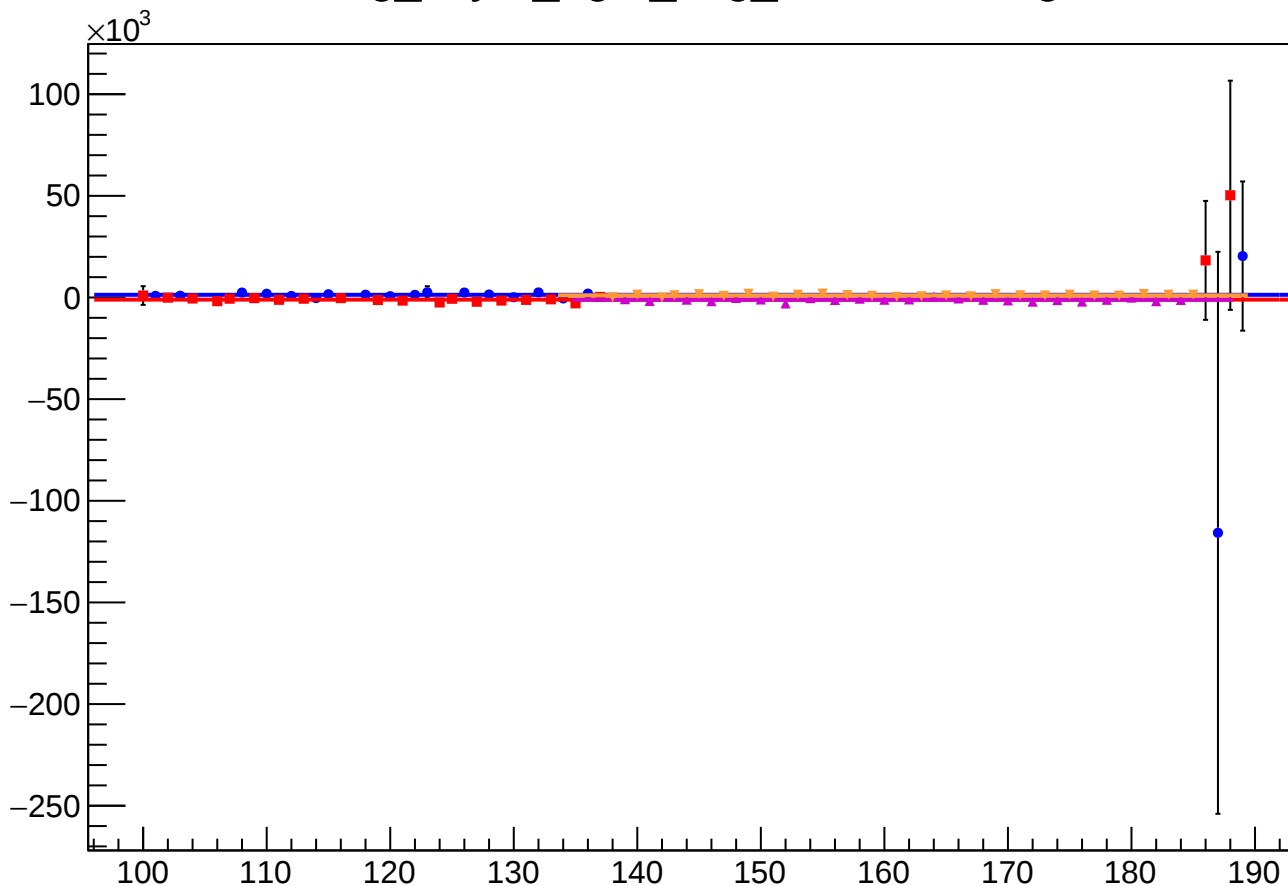
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 887.904+/-0.128 χ^2/NDF : 2611731.8/42

All: 874.742+/-0.089 χ^2/NDF : 6292595.9/85

- sign 862.073+/-0.125 χ^2/NDF : 3659979.9/42

reg_asym_right_avg_mean vs Slug



Right In: 1324.435+/-218.596 χ^2/NDF : 13.8/18

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

Right Out: -1038.760+/-212.072 χ^2/NDF : 14.8/20

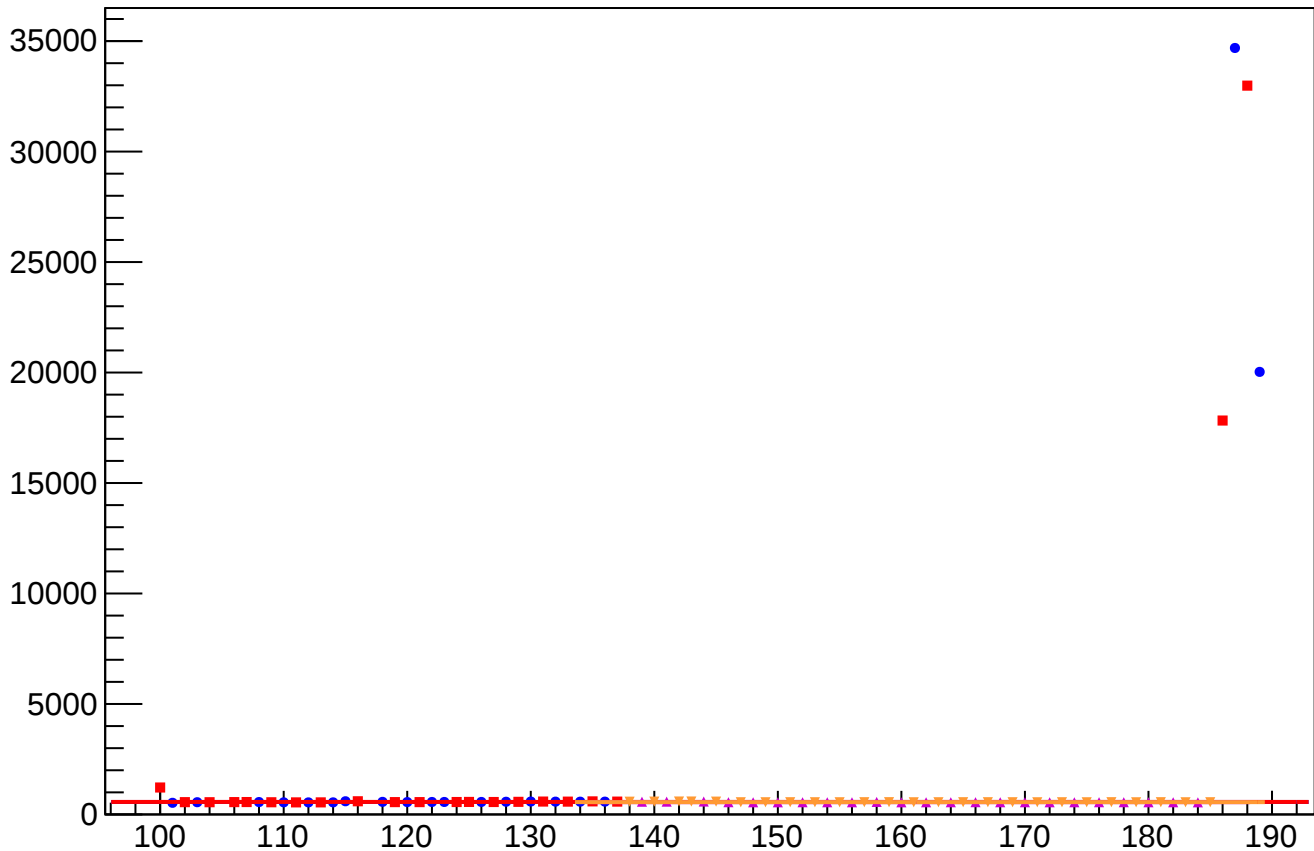
Left In: -1123.857+/-133.163 χ^2/NDF :30.0/22

+ sign 1138.923+/-111.537 χ^2/NDF : 29.9/43

All: 31.912+/-79.302 χ^2/NDF : 274.0/87

- sign -1099.793+/-112.774 χ^2/NDF : 44.9/43

reg_asym_right_avg_rms vs Slug



Right In: 564.305 $\pm$ 0.155 χ^2 /NDF: 705889.2/18

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

Right Out: 566.706 $\pm$ 0.150 χ^2 /NDF: 1425299.1/20

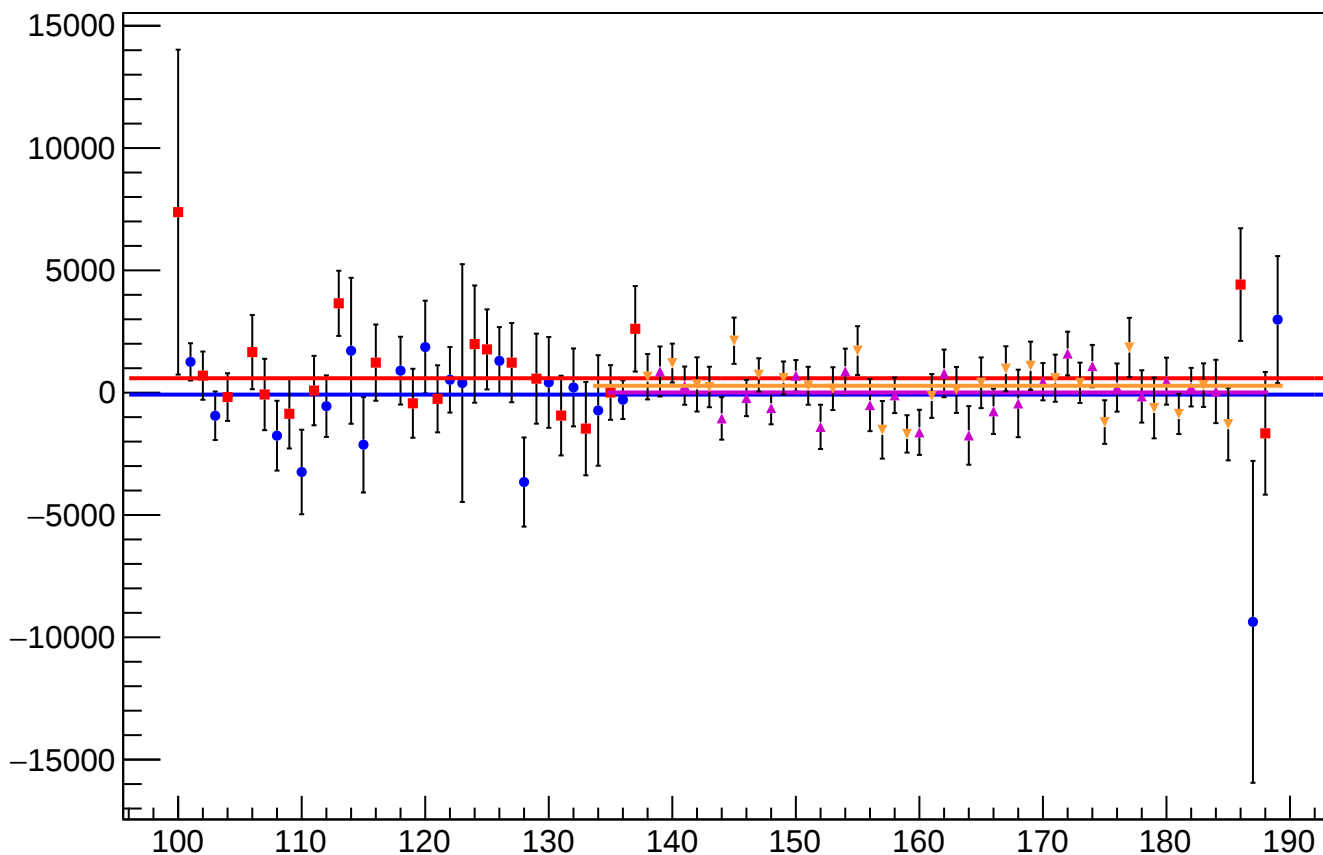
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 559.297 $\pm$ 0.079 χ^2 /NDF: 722061.4/43

All: 559.507 $\pm$ 0.056 χ^2 /NDF: 2161608.4/87

- sign 559.722 $\pm$ 0.080 χ^2 /NDF: 1439532.6/43

asym_right_avg_correction_mean vs Slug



Right In: -78.978 ± 325.278 χ^2/NDF : 20.4/18

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

Right Out: 590.022 ± 326.741 χ^2/NDF : 18.2/20

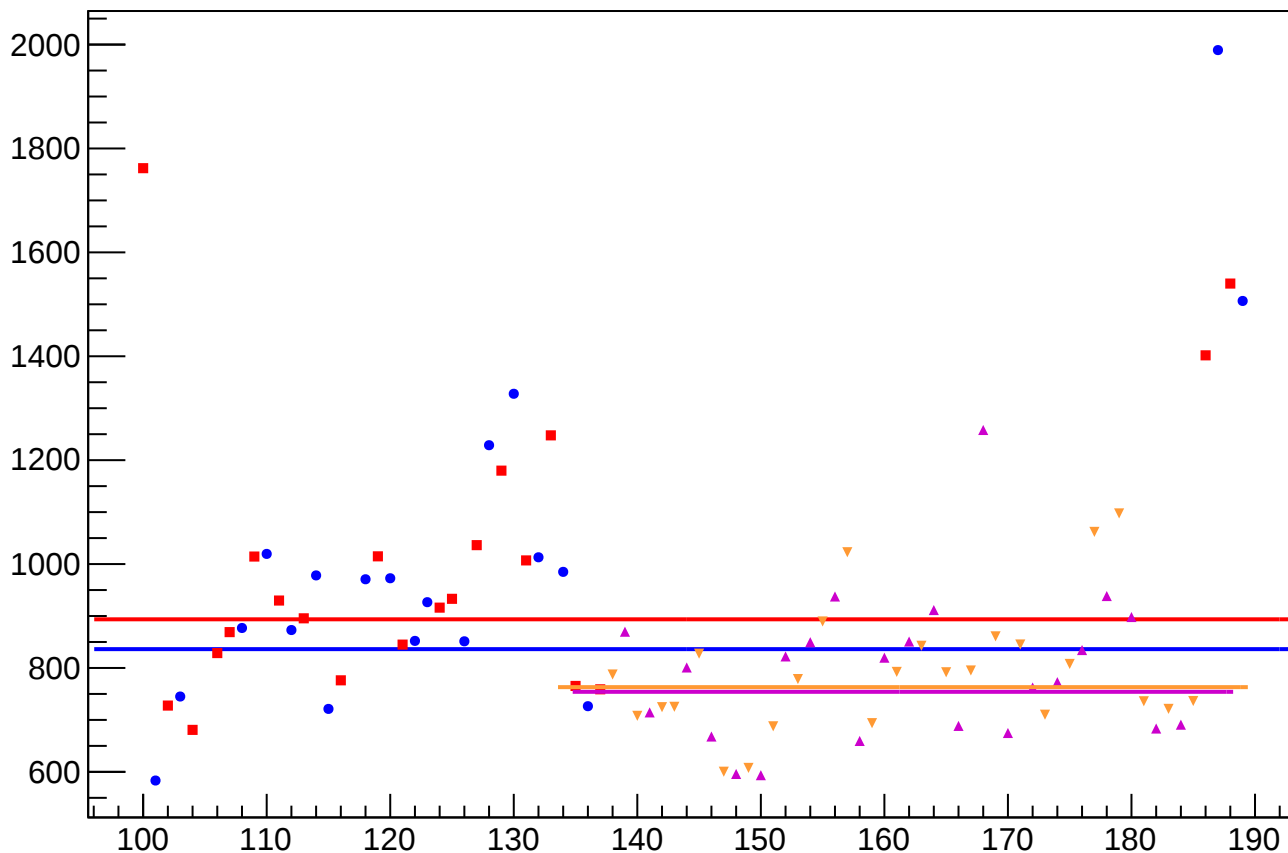
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 196.974 ± 157.777 χ^2/NDF : 48.1/43

All: 172.609 ± 112.314 χ^2/NDF : 88.9/87

- sign 147.579 ± 159.917 χ^2/NDF : 40.7/43

asym_right_avg_correction_rms vs Slug



Right In: 836.239 $\pm$ 0.230 χ^2 /NDF: 804758.6/18

Left Out: 763.085 $\pm$ 0.128 χ^2 /NDF: 753700.1/24

Right Out: 893.652 $\pm$ 0.231 χ^2 /NDF: 647526.8/20

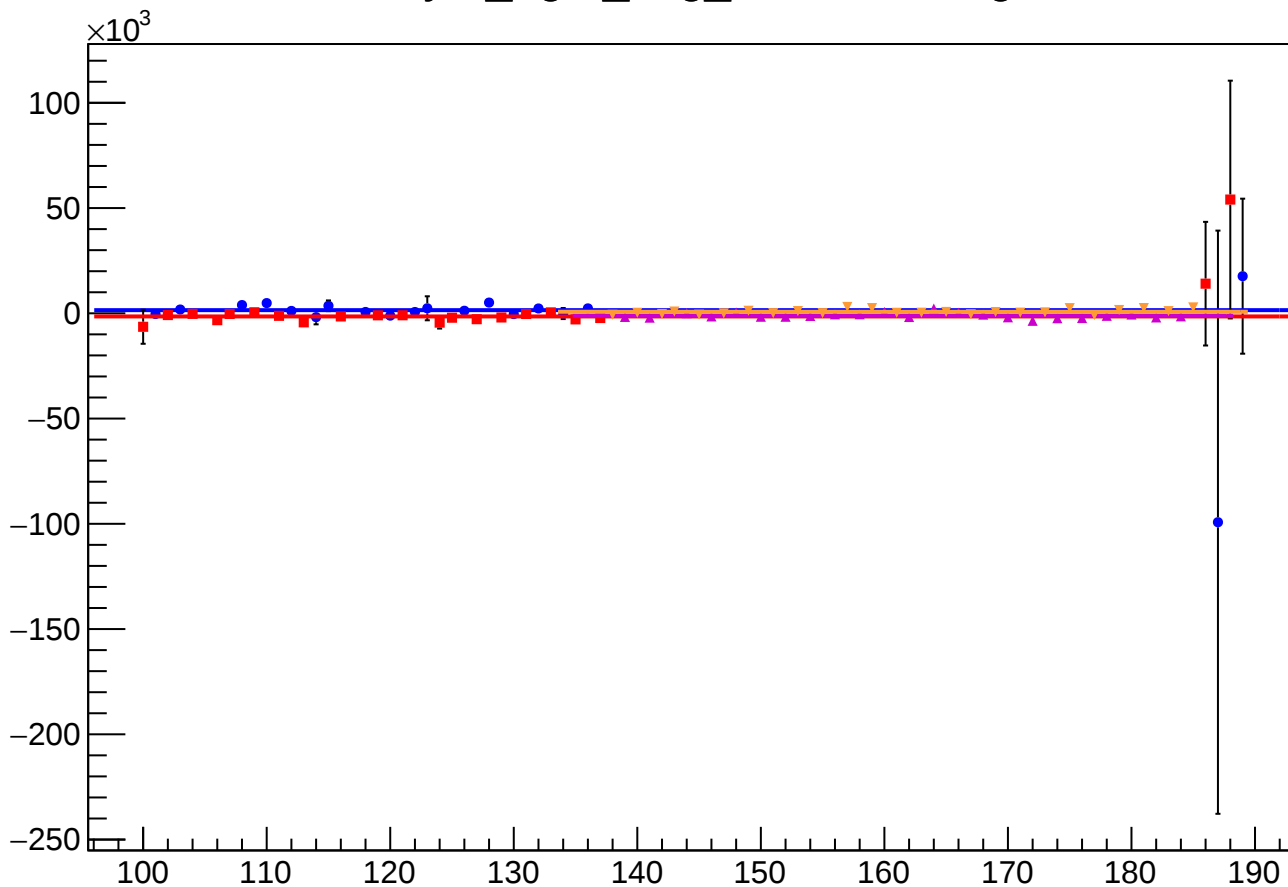
Left In: 754.099 $\pm$ 0.130 χ^2 /NDF: 931829.3/22

+ sign 780.296 $\pm$ 0.112 χ^2 /NDF: 1635817.6/43

All: 783.863 $\pm$ 0.079 χ^2 /NDF: 3494692.8/87

- sign 787.528 $\pm$ 0.113 χ^2 /NDF: 1856803.0/43

asym_right_avg_mean vs Slug



Right In: 1499.046 $\pm$ 402.641 χ^2 /NDF: 17.8/18

Left Out: 739.641 $\pm$ 225.535 χ^2 /NDF: 21.5/24

Right Out: -1482.062 $\pm$ 400.671 χ^2 /NDF: 13.3/20

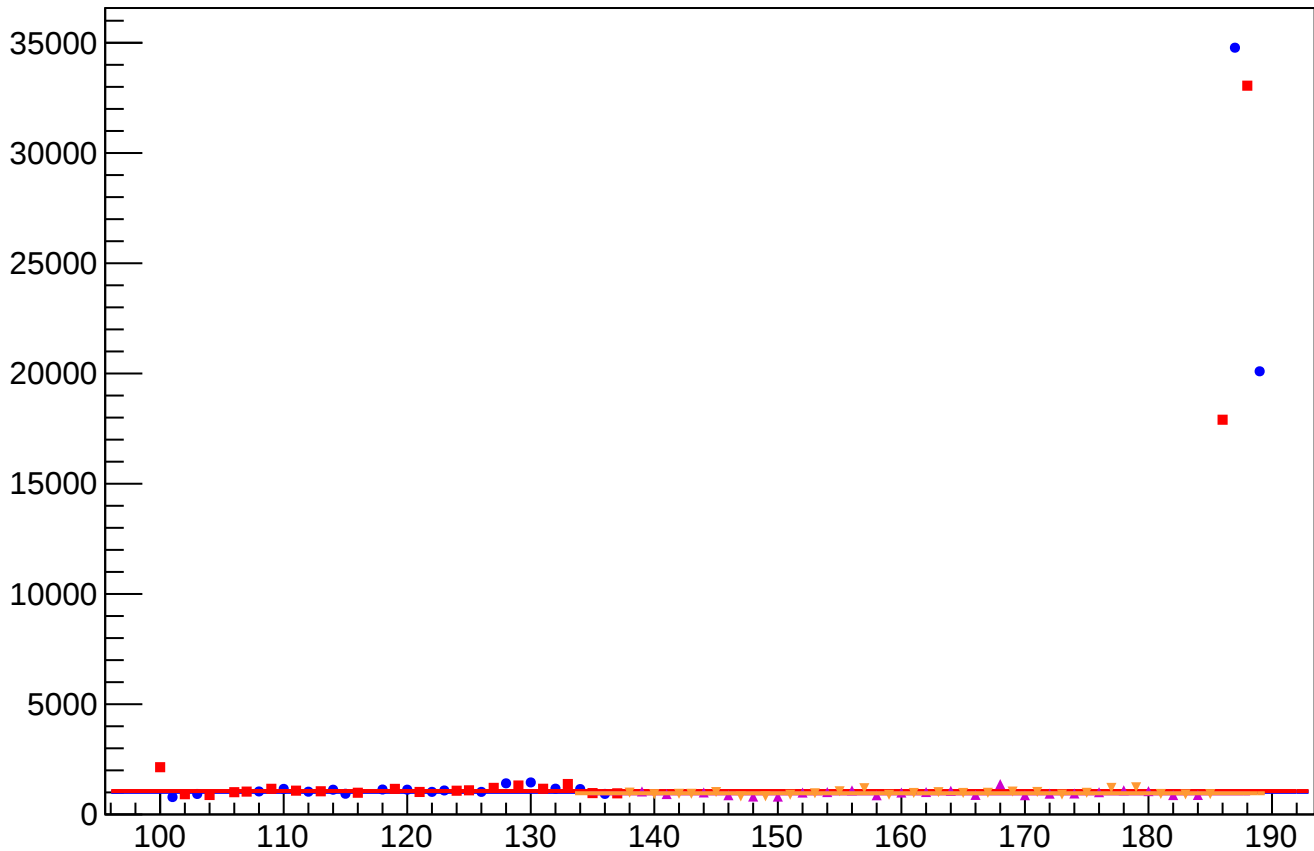
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 921.005 $\pm$ 196.769 χ^2 /NDF: 42.1/43

All: -131.328 $\pm$ 140.097 χ^2 /NDF: 139.3/87

- sign -1213.225 $\pm$ 199.514 χ^2 /NDF: 39.2/43

asym_right_avg_rms vs Slug



Right In: 1024.602+/-0.285 χ^2/NDF : 1000537.4/18

Left Out: 962.256+/-0.159 χ^2/NDF : 362937.6/24

Right Out: 1062.691+/-0.283 χ^2/NDF : 1549673.2/20

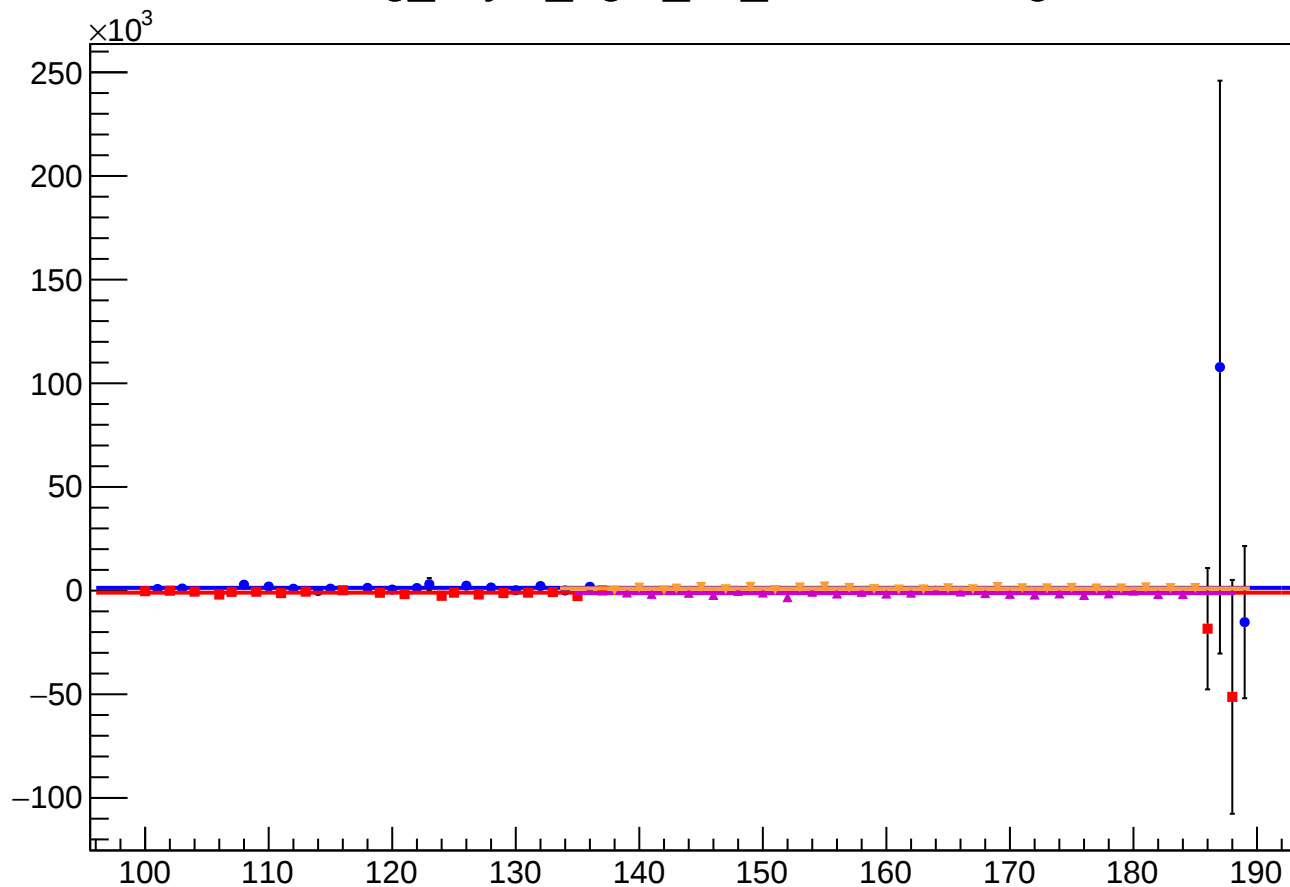
Left In: 954.643+/-0.163 χ^2/NDF : 443395.0/22

+ sign 977.145+/-0.139 χ^2/NDF : 1399976.2/43

All: 979.260+/-0.099 χ^2/NDF : 3502890.5/87

- sign 981.434+/-0.141 χ^2/NDF : 2102445.8/43

reg_asym_right_dd_mean vs Slug



Right In: 1345.080+/-218.850 χ^2/NDF : 12.8/18

Left Out: 1087.627+/-129.821 χ^2/NDF : 14.9/24

Right Out: -967.011+/-208.607 χ^2/NDF : 13.4/20

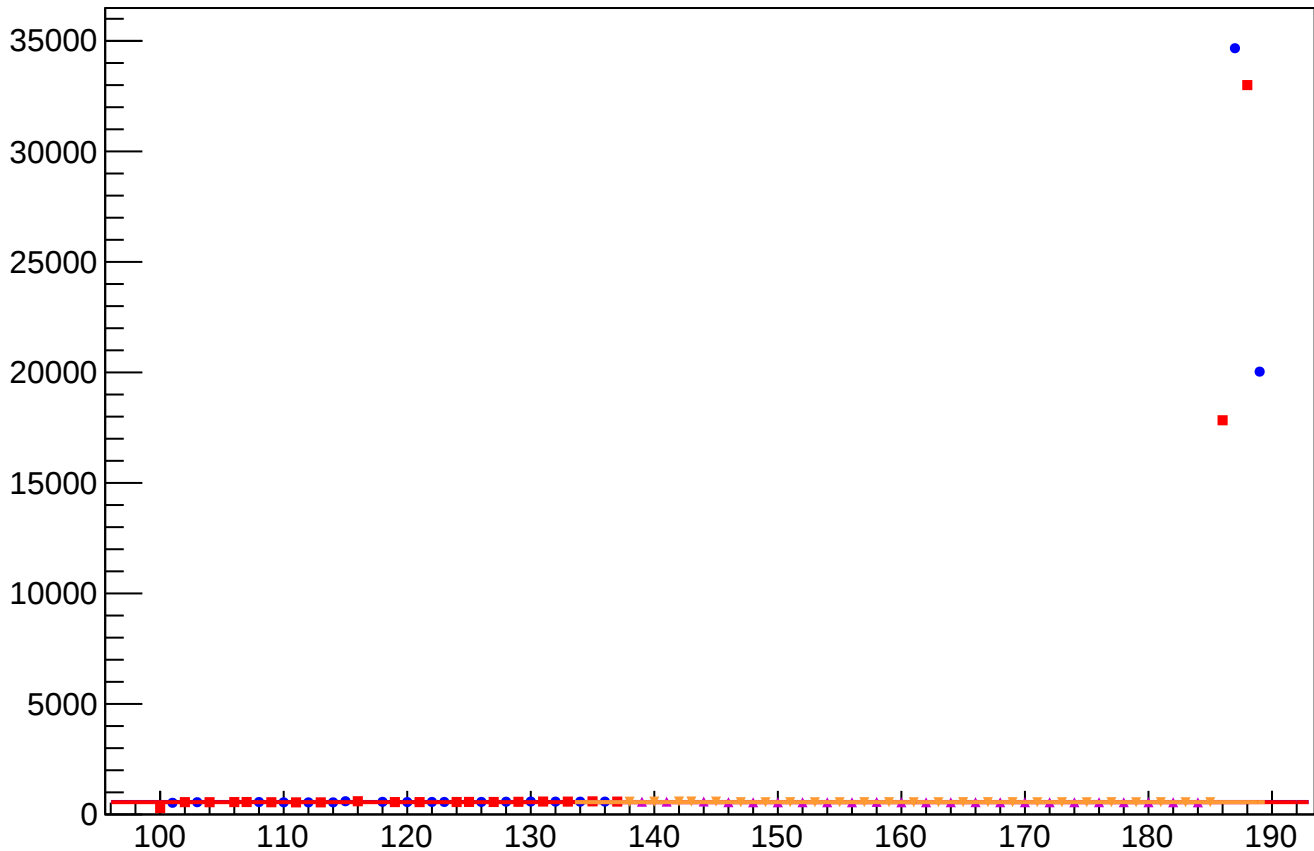
Left In: -1189.481+/-133.313 χ^2/NDF : 32.2/22

+ sign 1154.639+/-111.655 χ^2/NDF : 28.8/43

All: 21.746+/-79.191 χ^2/NDF : 282.2/87

- sign -1124.970+/-112.334 χ^2/NDF : 46.3/43

reg_asym_right_dd_rms vs Slug



Right In: 564.959+/-0.155 χ^2/NDF : 705966.4/18

Left Out: 558.099+/-0.092 χ^2/NDF : 14785.2/24

Right Out: 555.797+/-0.148 χ^2/NDF : 1509831.2/20

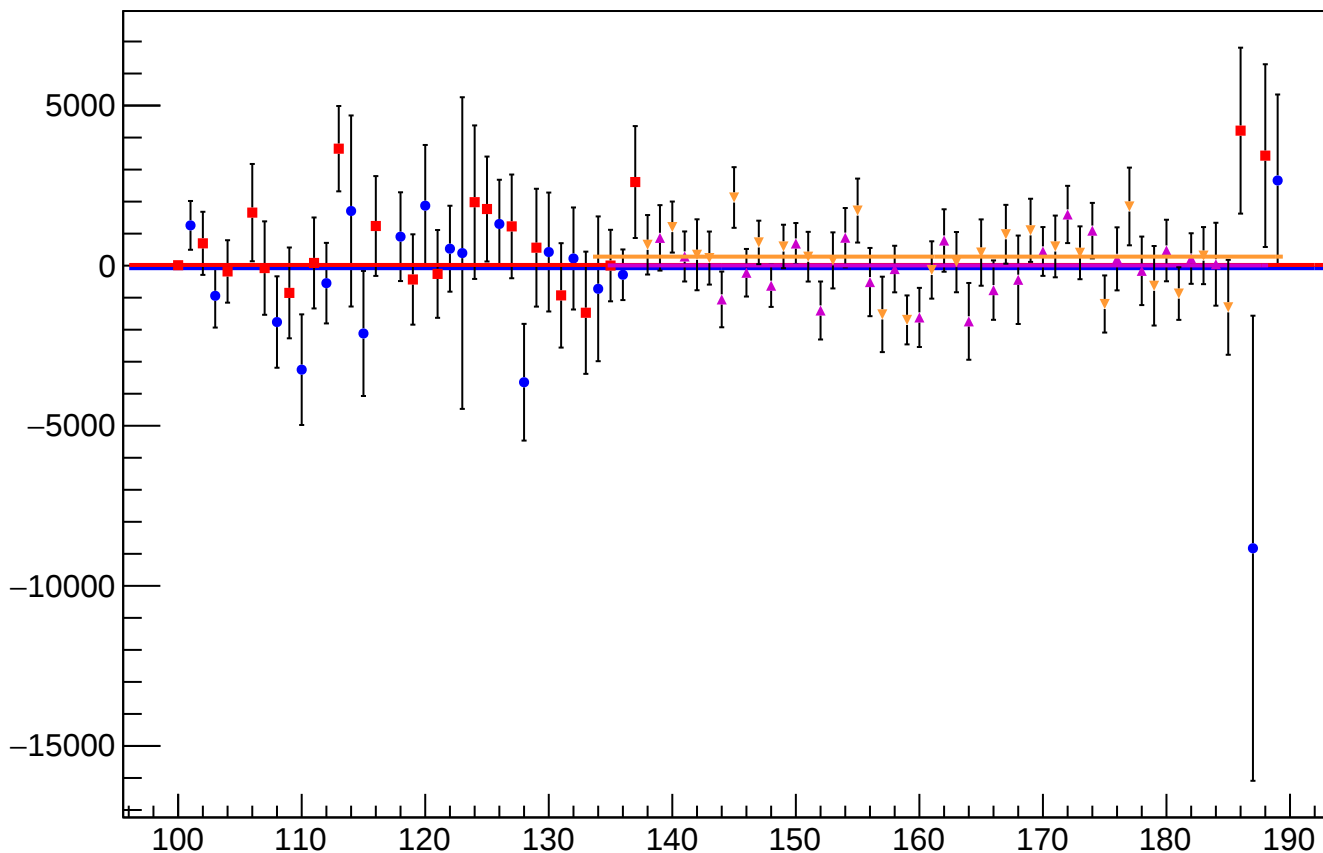
Left In: 557.597+/-0.094 χ^2/NDF : 11276.8/22

+ sign 559.885+/-0.079 χ^2/NDF : 722205.4/43

All: 558.488+/-0.056 χ^2/NDF : 2244048.7/87

- sign 557.075+/-0.079 χ^2/NDF : 1521213.7/43

asym_right_dd_correction_mean vs Slug



Right In: -79.455 ± 325.610 χ^2/NDF : 19.5/18

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

Right Out: 21.664 ± 38.947 χ^2/NDF : 19.9/20

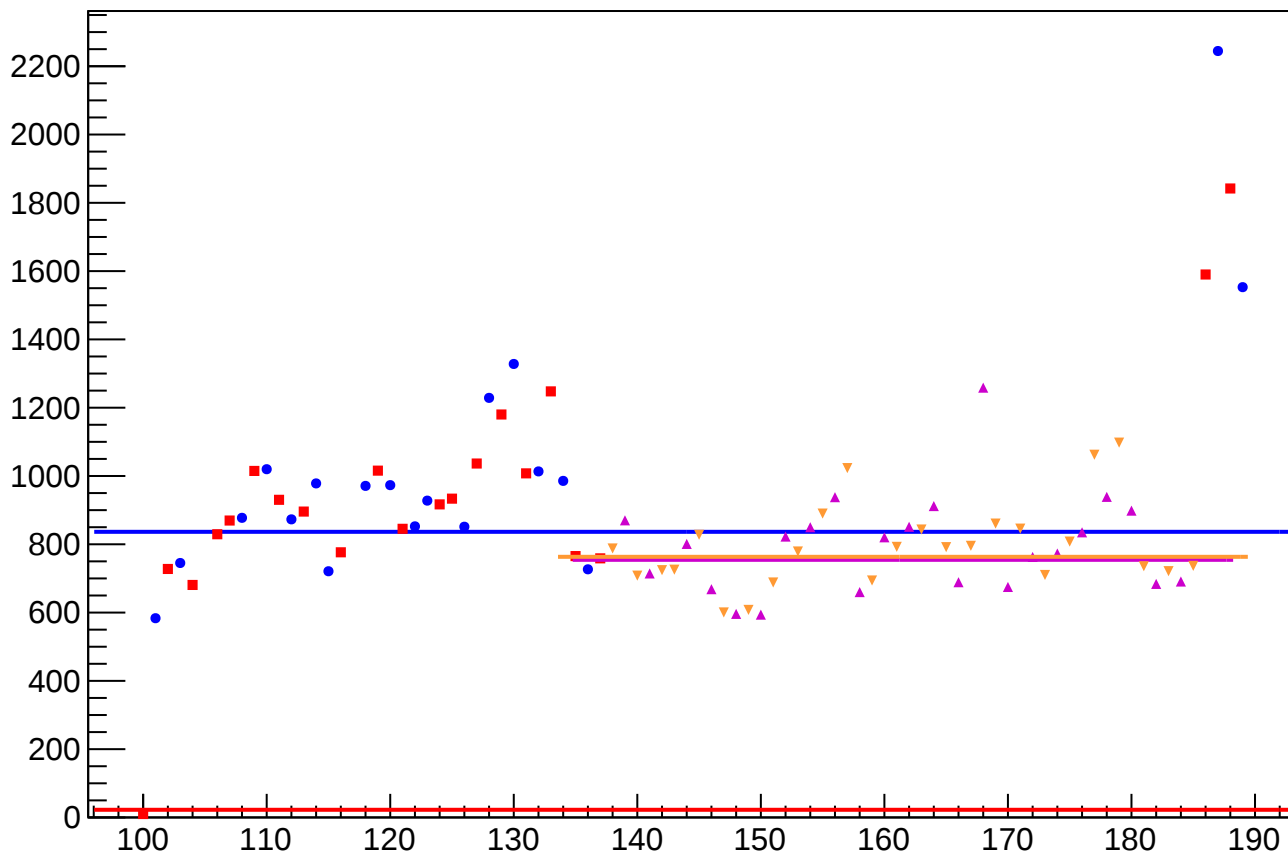
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 196.594 ± 157.852 χ^2/NDF : 47.3/43

All: 30.708 ± 37.035 χ^2/NDF : 88.5/87

- sign 21.045 ± 38.098 χ^2/NDF : 40.1/43

asym_right_dd_correction_rms vs Slug



Right In: 836.508 ± 0.230 $\chi^2/\text{NDF}: 827671.7/18$

Left Out: 763.307 ± 0.128 $\chi^2/\text{NDF}: 753728.9/24$

Right Out: 22.464 ± 0.028 $\chi^2/\text{NDF}: 15023878.9/20$

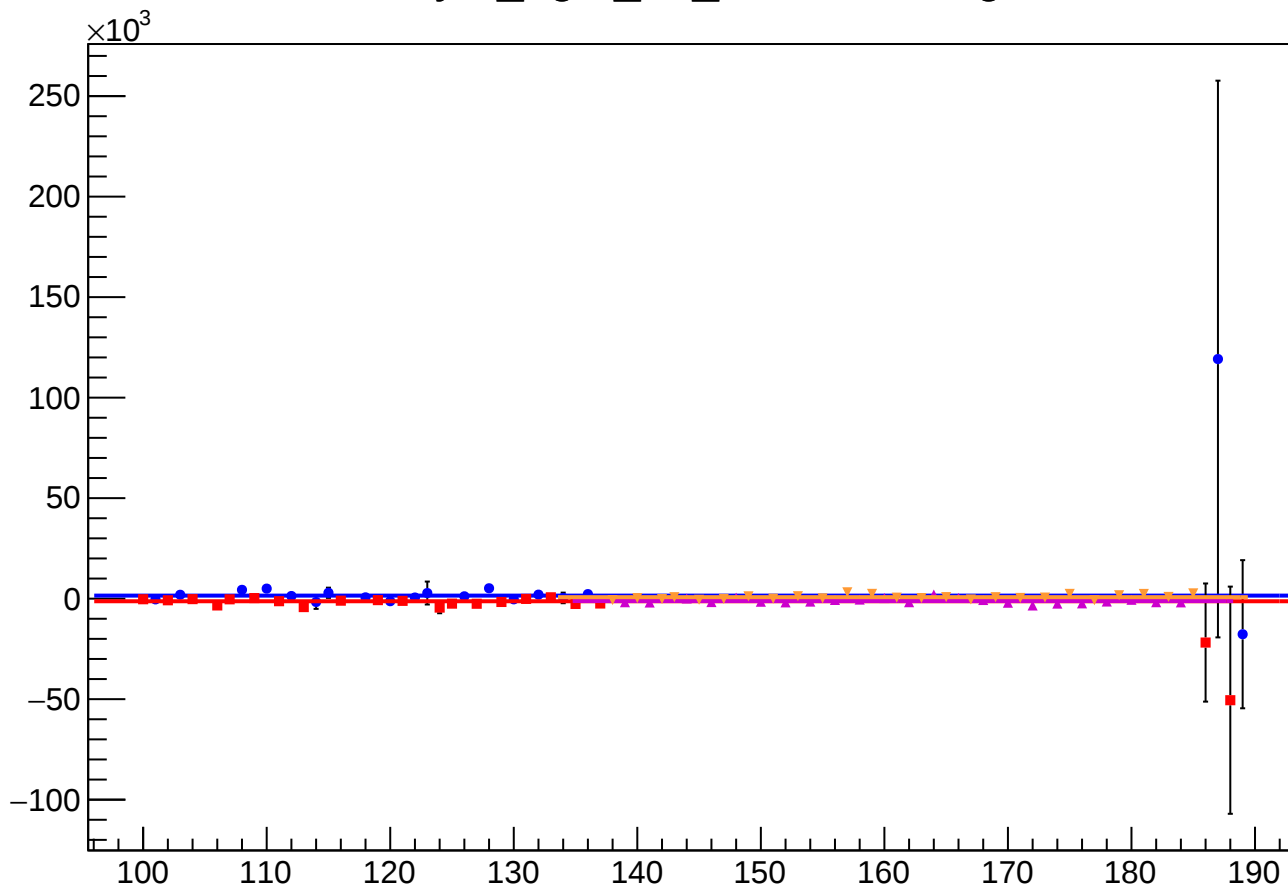
Left In: 754.483 ± 0.130 $\chi^2/\text{NDF}: 931536.8/22$

+ sign 780.510 ± 0.112 $\chi^2/\text{NDF}: 1658726.6/43$

All: 94.017 ± 0.026 $\chi^2/\text{NDF}: 88108763.4/87$

- sign 54.028 ± 0.027 $\chi^2/\text{NDF}: 46419440.3/43$

asym_right_dd_mean vs Slug



Right In: 1518.185 $\pm$ 402.864 χ^2 /NDF: 18.8/18

Left Out: 742.825 $\pm$ 225.658 χ^2 /NDF: 20.2/24

Right Out: -1293.099 $\pm$ 376.640 χ^2 /NDF: 13.6/20

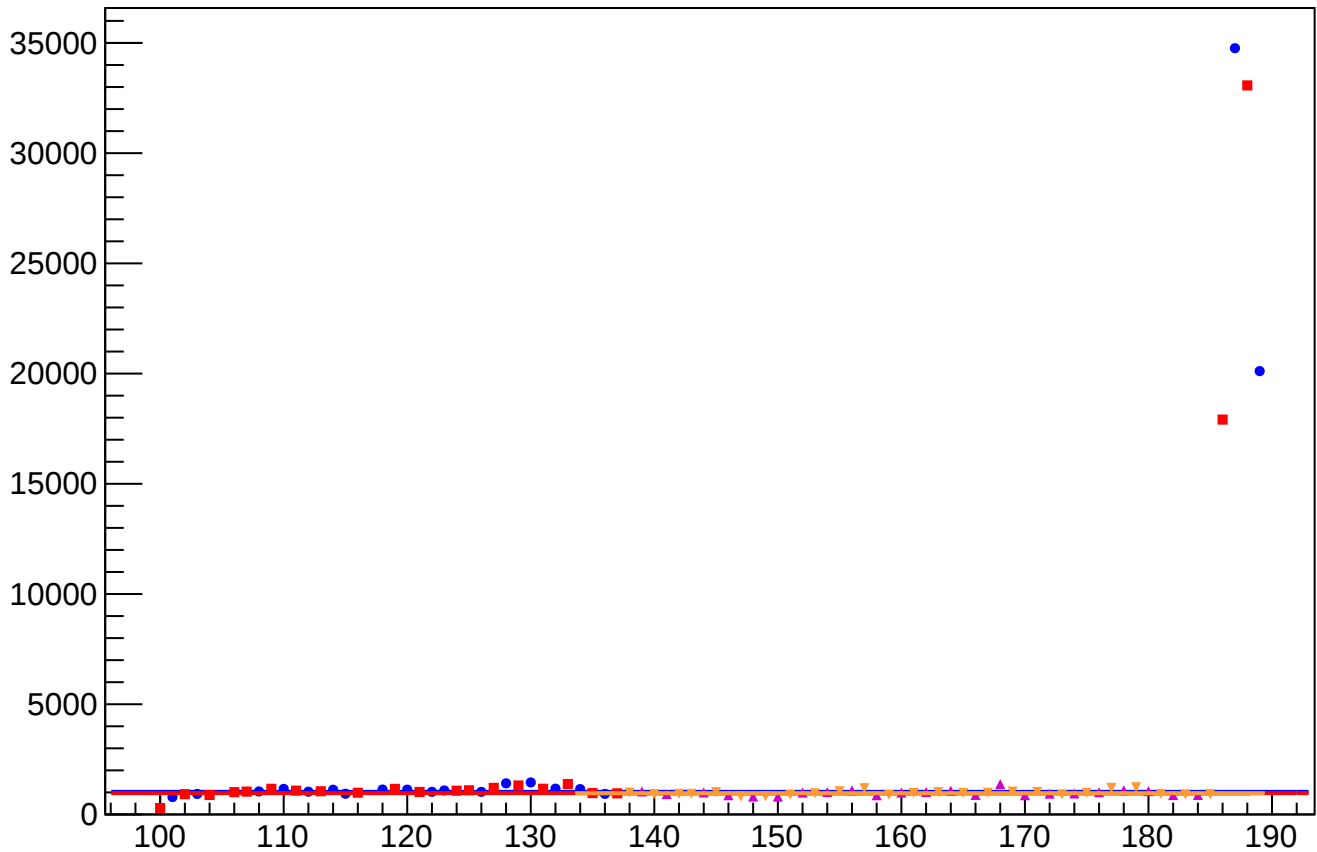
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

+ sign 927.996 $\pm$ 196.877 χ^2 /NDF: 41.9/43

All: -142.426 $\pm$ 139.057 χ^2 /NDF: 138.8/87

- sign -1208.062 $\pm$ 196.436 χ^2 /NDF: 37.9/43

asym_right_dd_rms vs Slug



Right In: 1025.175+/-0.285 χ^2/NDF : 1000469.5/18

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

Right Out: 968.399+/-0.266 χ^2/NDF : 2397229.0/20

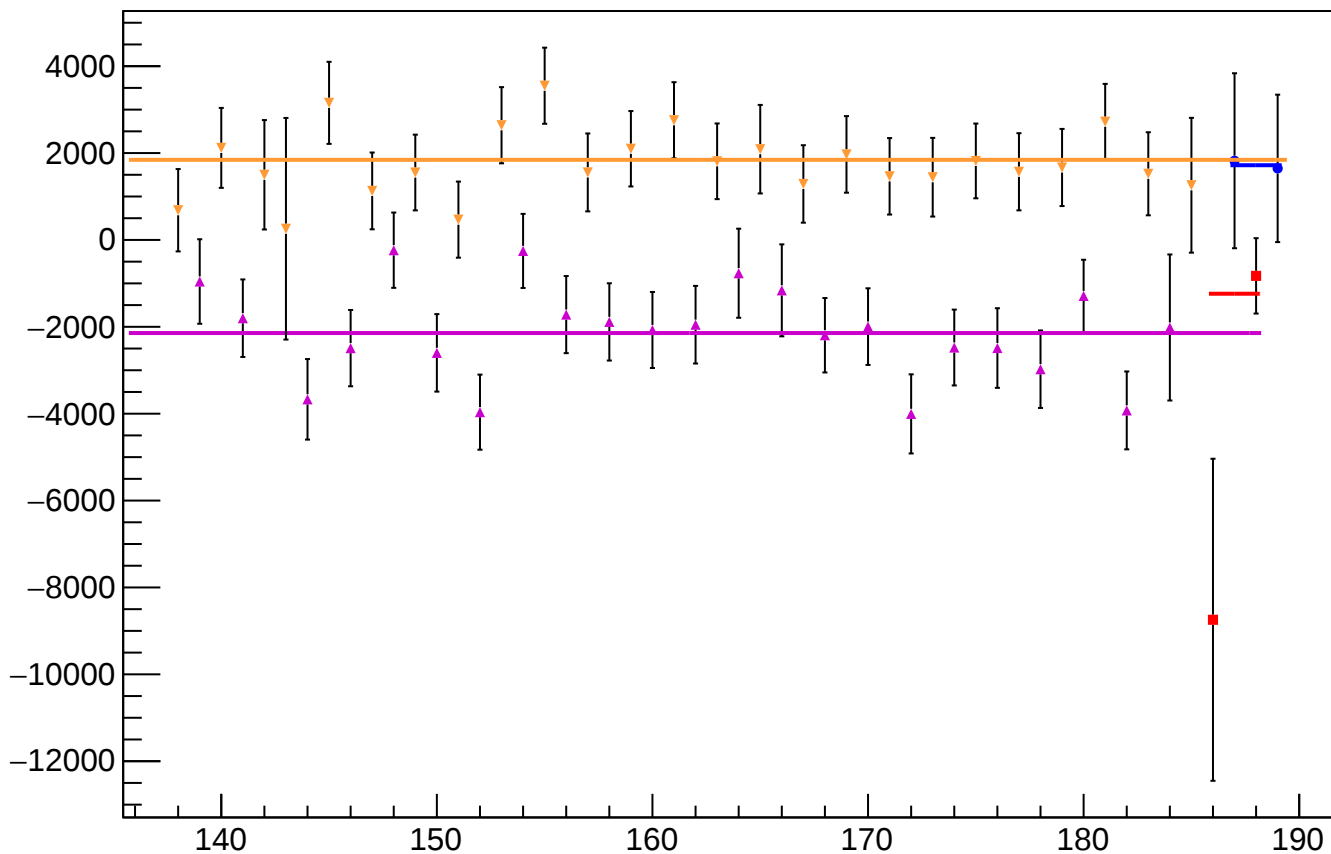
Left In: 955.331+/-0.163 χ^2/NDF : 443068.5/22

+ sign 977.679+/-0.139 χ^2/NDF : 1399829.2/43

All: 968.261+/-0.098 χ^2/NDF : 4251012.0/87

- sign 958.885+/-0.139 χ^2/NDF : 2842050.2/43

cor_asym_us_avg_mean vs Slug



Right In: 1720.097 $\pm$ 1297.686 χ^2 /NDF: 0.0/1

Left Out: 1844.361 $\pm$ 186.909 χ^2 /NDF:15.4/24

Right Out: -1238.358 $\pm$ 844.854 χ^2 /NDF: 4.3/1

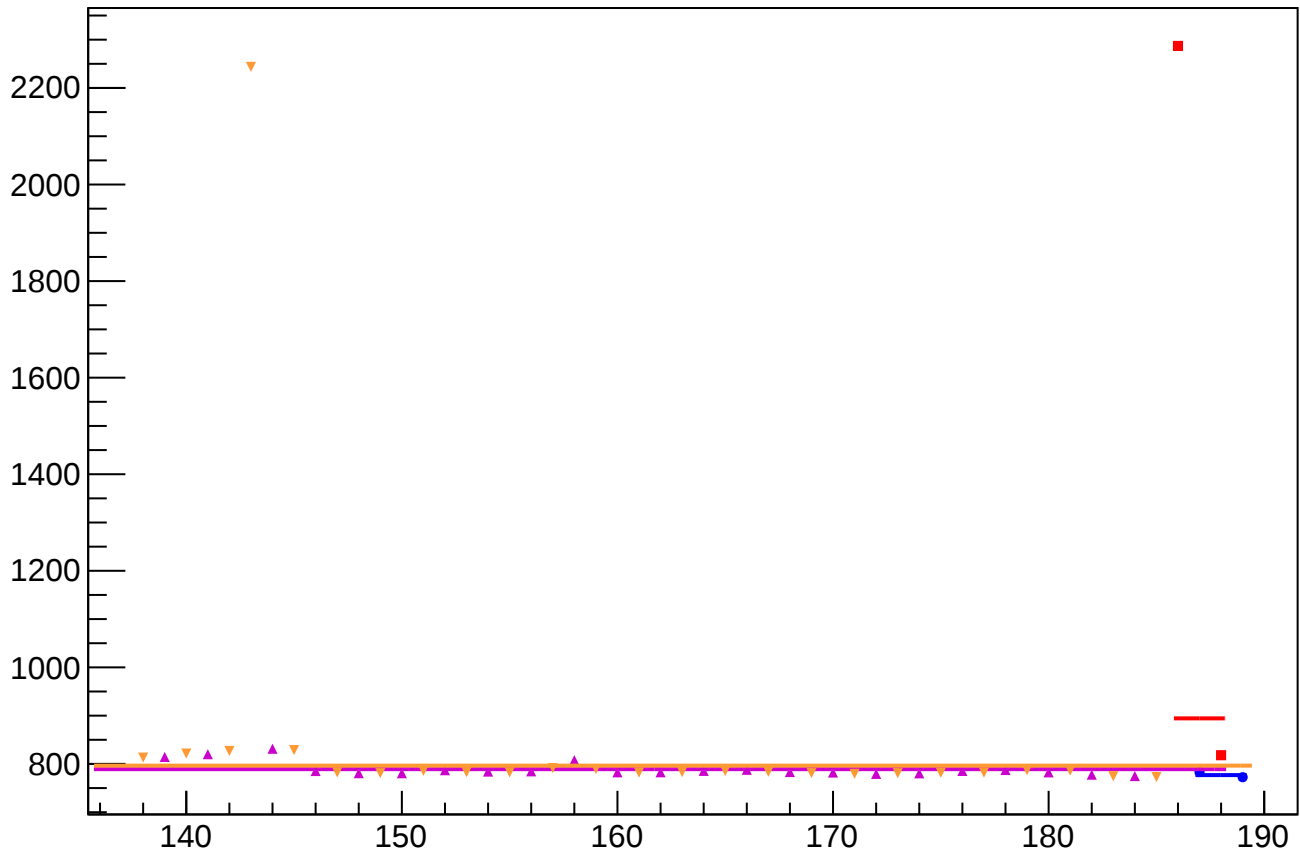
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ sign 1841.835 $\pm$ 185.000 χ^2 /NDF: 15.4/26

All: -123.531 $\pm$ 130.992 χ^2 /NDF: 279.5/51

- sign -2099.628 $\pm$ 185.504 χ^2 /NDF: 37.8/24

cor_asym_us_avg_rms vs Slug



Right In: 776.892 $\pm$ 0.918 χ^2 /NDF: 32.5/1

Left Out: 796.470 $\pm$ 0.132 χ^2 /NDF: 658729.4/24

Right Out: 894.365 $\pm$ 0.597 χ^2 /NDF: 297758.8/1

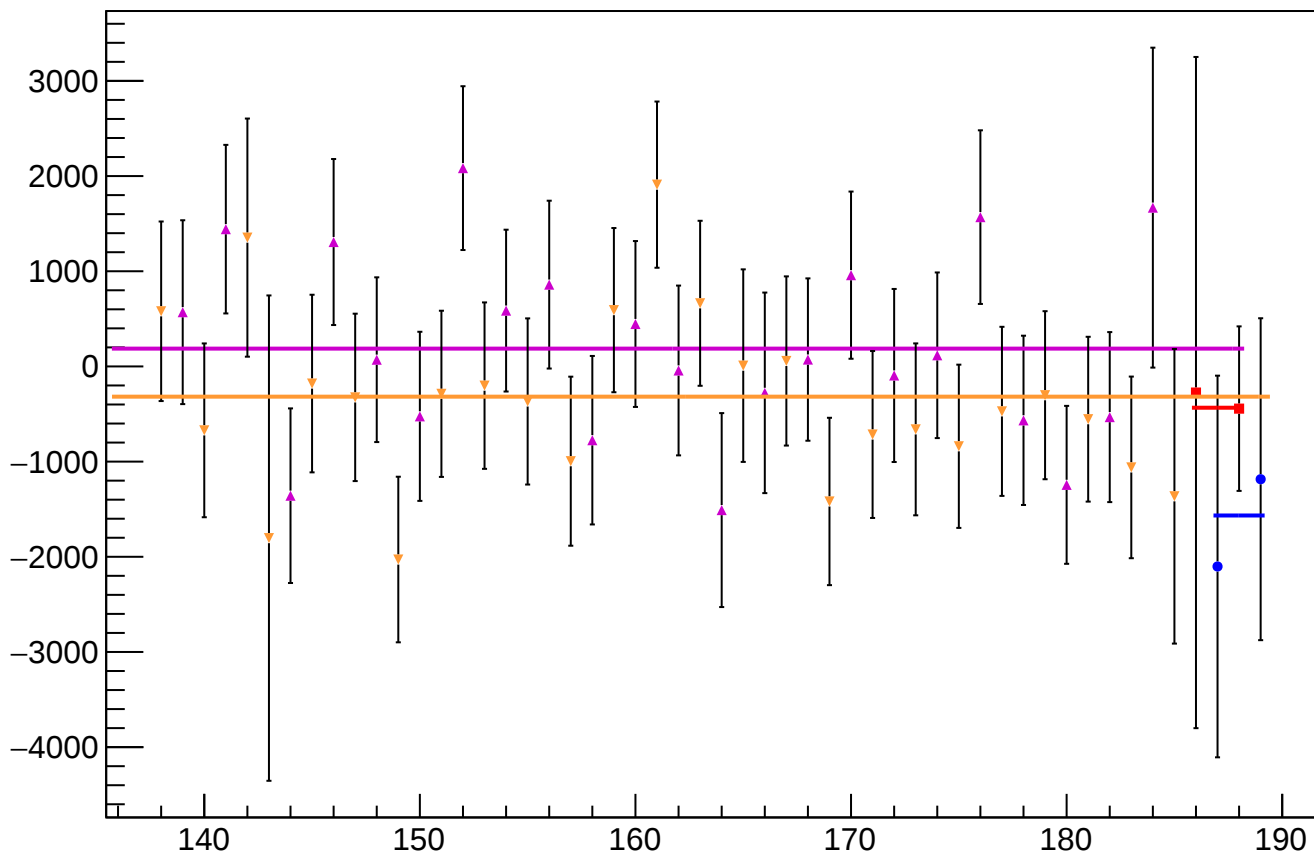
Left In: 789.176 $\pm$ 0.134 χ^2 /NDF: 10860.4/22

+ sign 796.072 $\pm$ 0.131 χ^2 /NDF: 659207.9/26

All: 795.162 $\pm$ 0.093 χ^2 /NDF: 997432.6/51

- sign 794.248 $\pm$ 0.131 χ^2 /NDF: 338127.7/24

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: -433.853+/-839.412 χ^2/NDF : 0.0/1

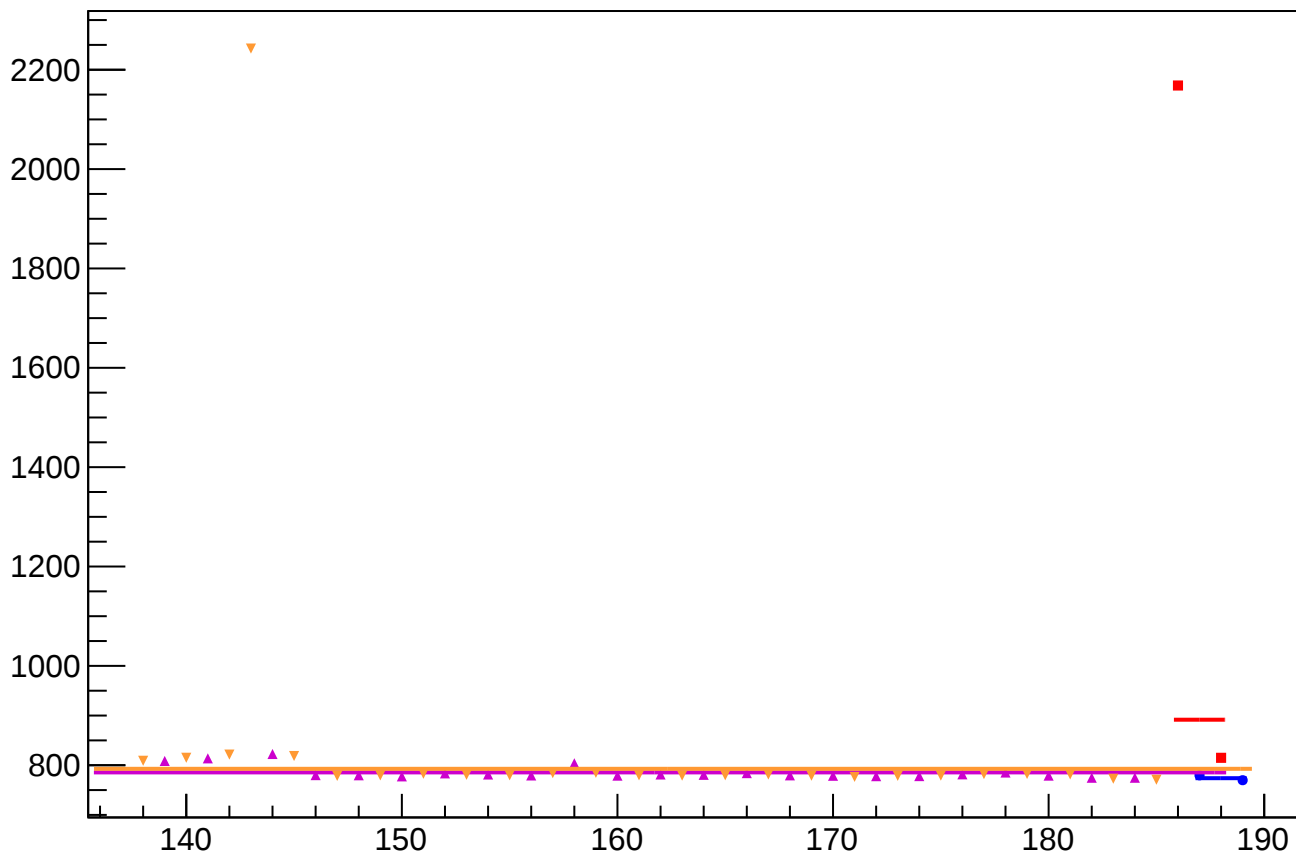
Left In: 187.105+/-189.265 χ^2/NDF : 25.6/22

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

All: -93.596+/-130.382 χ^2/NDF : 51.1/51

- sign 157.063+/-184.630 χ^2/NDF : 26.1/24

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: 891.636 $\pm$ 0.594 χ^2 /NDF: 277928.3/1

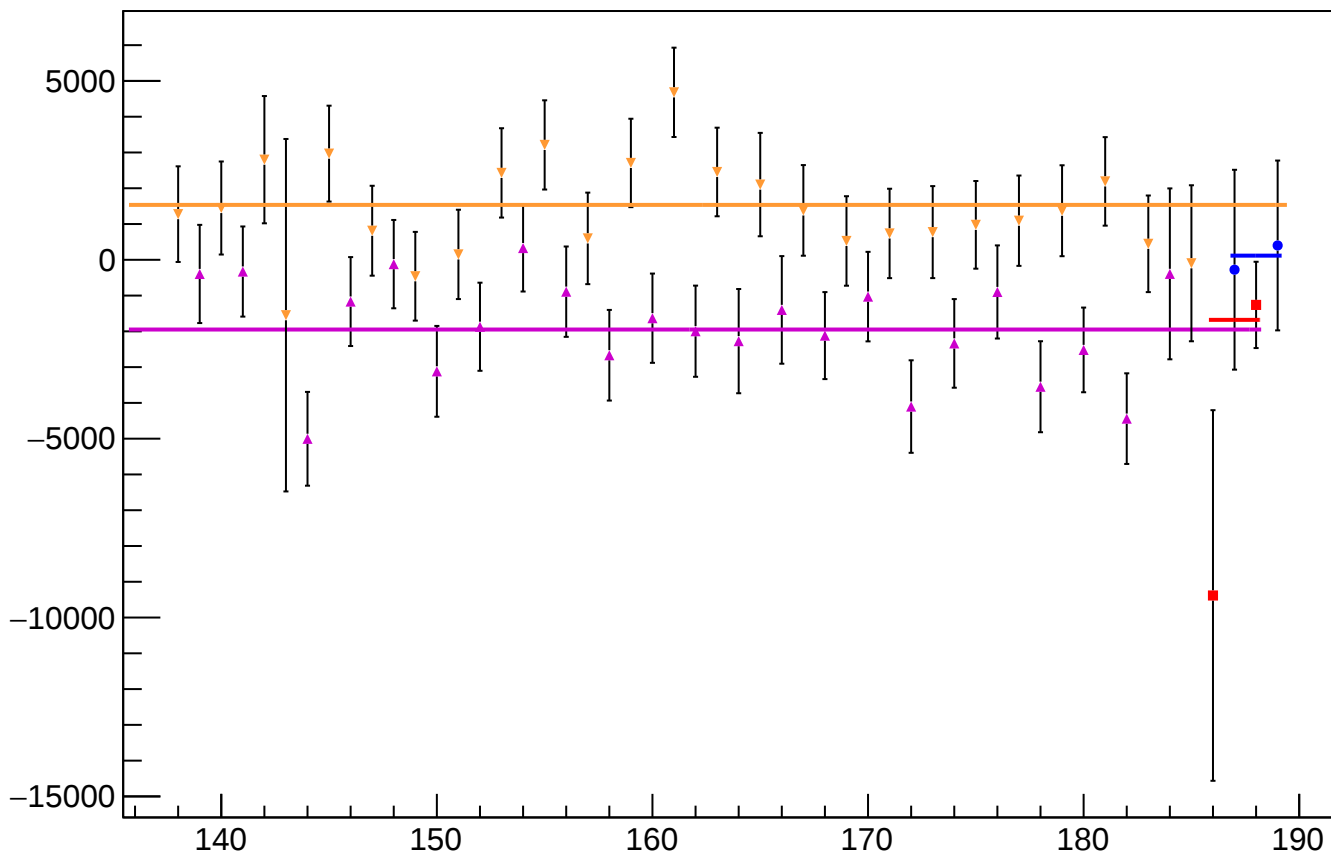
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

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

All: 791.563 $\pm$ 0.092 χ^2 /NDF: 977396.9/51

- sign 790.694 $\pm$ 0.131 χ^2 /NDF: 317353.6/24

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: -1678.820 ± 1174.777 χ^2/NDF : 2.3/1

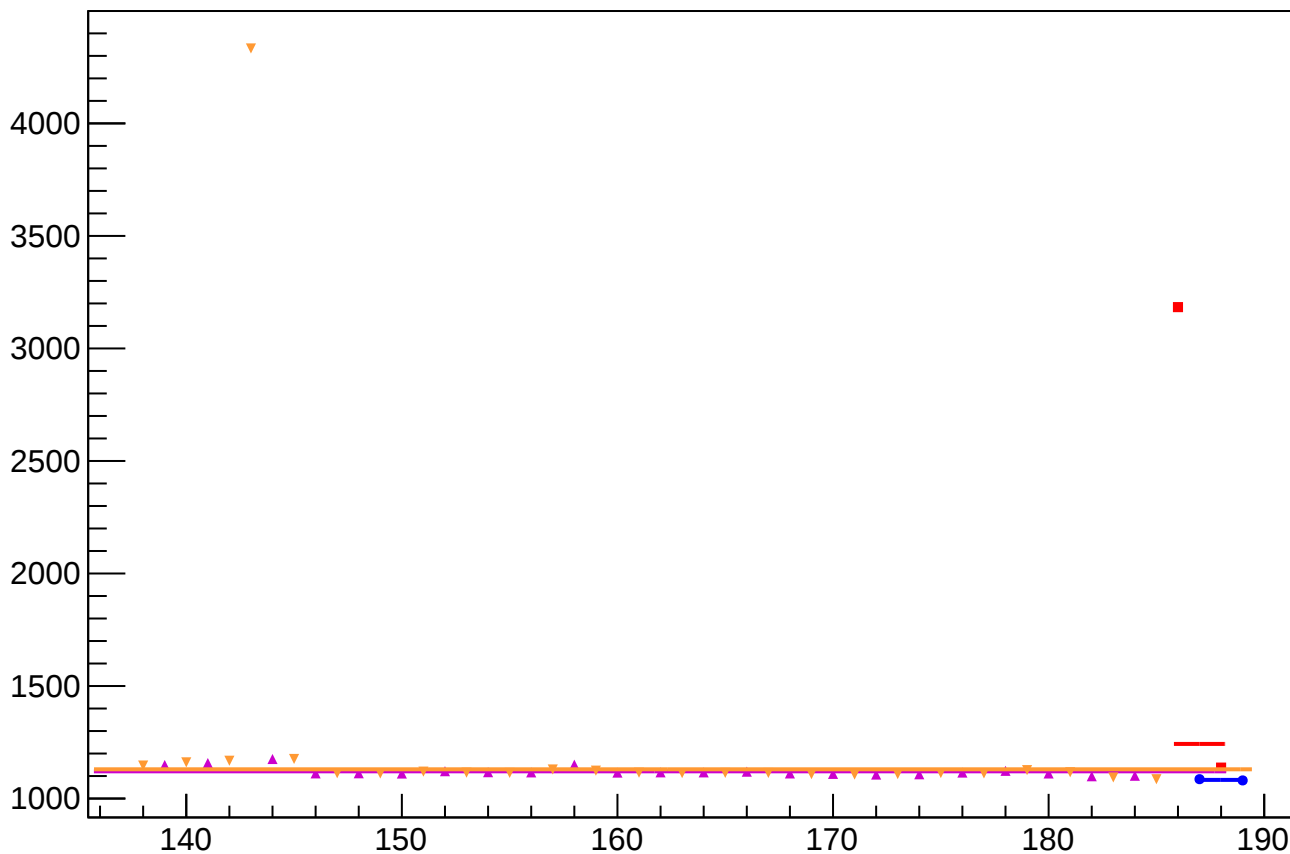
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

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

All: -214.411 ± 186.067 χ^2/NDF : 135.6/51

- sign -1935.510 ± 263.214 χ^2/NDF : 29.2/24

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: 1242.674 $\pm$ 0.831 χ^2 /NDF: 296034.6/1

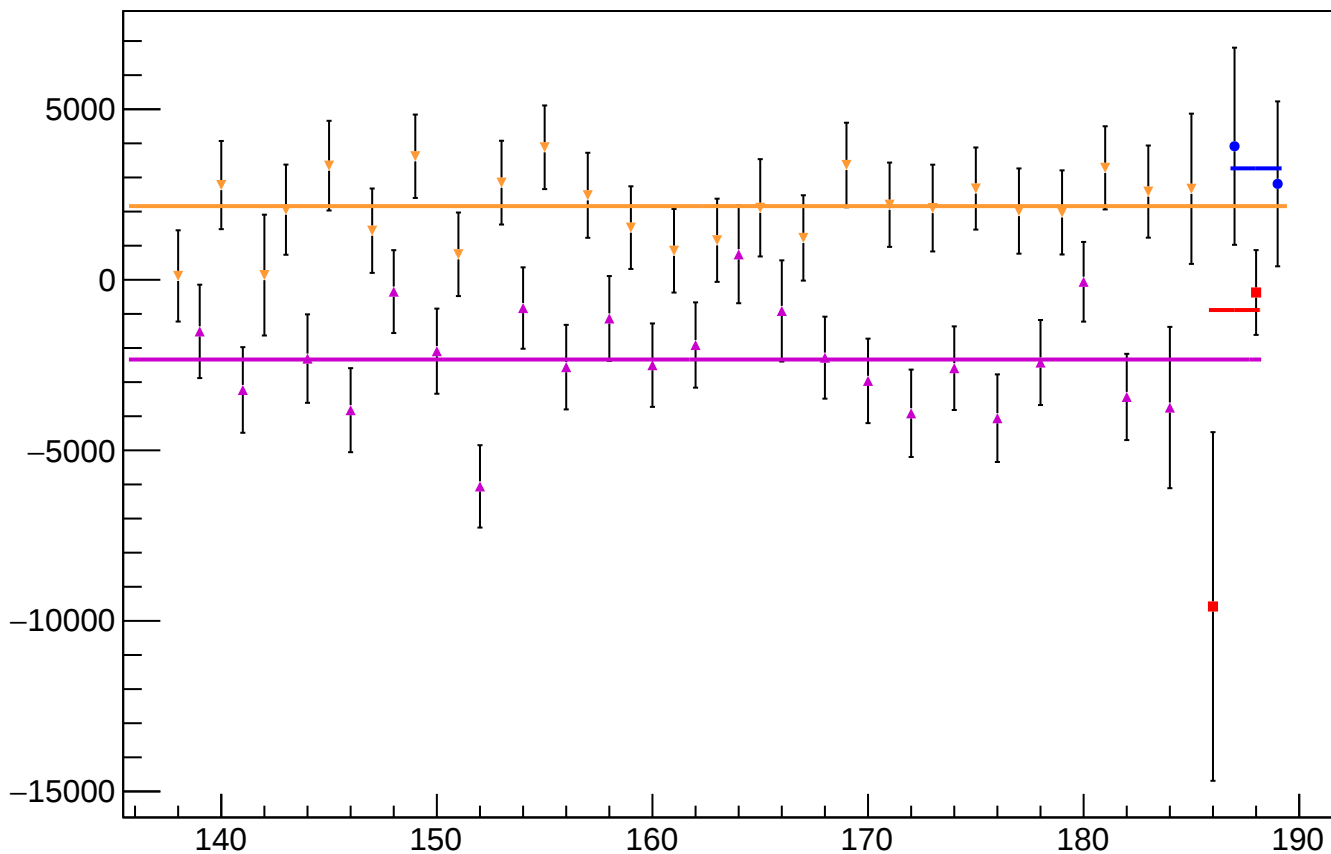
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

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

All: 1128.014 $\pm$ 0.132 χ^2 /NDF: 1185329.1/51

- sign 1127.087 $\pm$ 0.186 χ^2 /NDF: 325679.0/24

cor_asym_usr_mean vs Slug



Right In: 3266.922 ± 1854.338 χ^2/NDF : 0.1/1

Left Out: 2159.879 ± 257.526 χ^2/NDF : 15.0/24

Right Out: -886.345 ± 1207.652 χ^2/NDF : 3.1/1

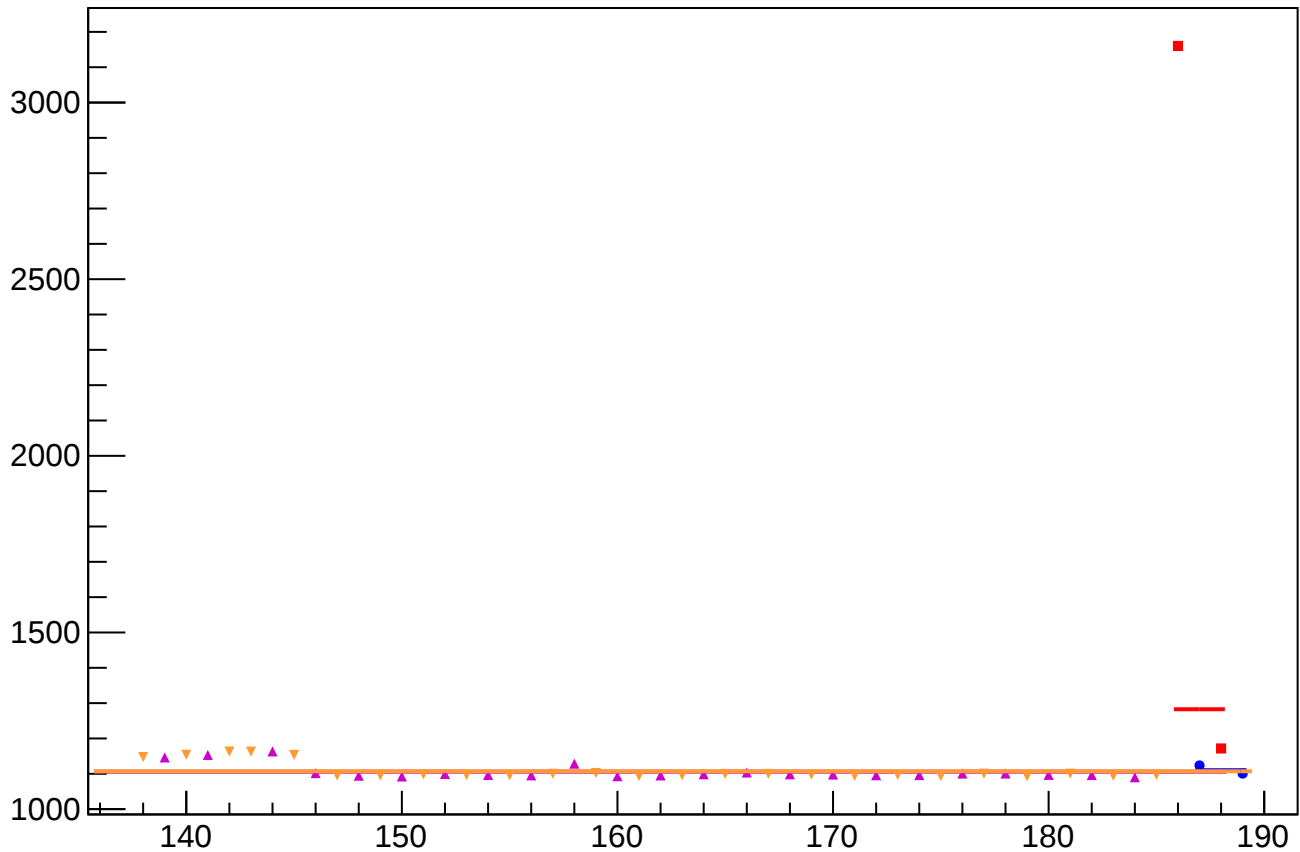
Left In: -2337.232 ± 266.468 χ^2/NDF : 31.3/22

+ sign 2180.827 ± 255.078 χ^2/NDF : 15.4/26

All: -0.206 ± 182.154 χ^2/NDF : 200.3/51

- sign -2269.873 ± 260.209 χ^2/NDF : 35.8/24

cor_asym_usr_rms vs Slug



Right In: 1110.109 $\pm$ 1.311 χ^2 /NDF: 75.3/1

Left Out: 1107.091 $\pm$ 0.182 χ^2 /NDF: 15185.2/24

Right Out: 1282.722 $\pm$ 0.854 χ^2 /NDF: 285849.3/1

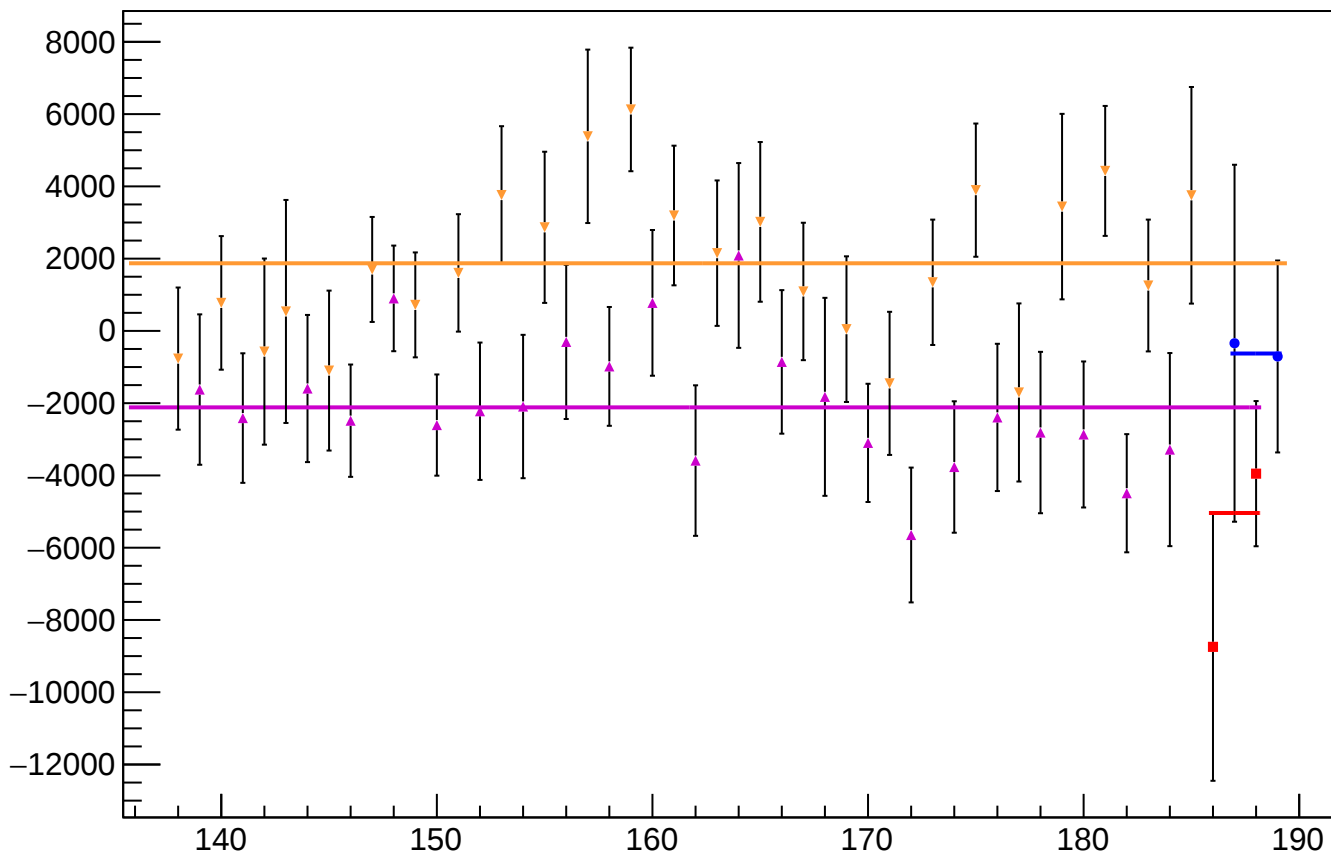
Left In: 1105.955 $\pm$ 0.188 χ^2 /NDF: 11111.3/22

+ sign 1107.148 $\pm$ 0.180 χ^2 /NDF: 15265.7/26

All: 1110.585 $\pm$ 0.129 χ^2 /NDF: 353827.6/51

- sign 1114.162 $\pm$ 0.184 χ^2 /NDF: 337820.9/24

asym_us_agg_avg_mean vs Slug



Right In: -625.548 ± 2339.235 χ^2/NDF : 0.0/1

Left Out: 1871.638 ± 391.684 χ^2/NDF : 26.1/24

Right Out: -5039.143 ± 1766.403 χ^2/NDF : 1.3/1

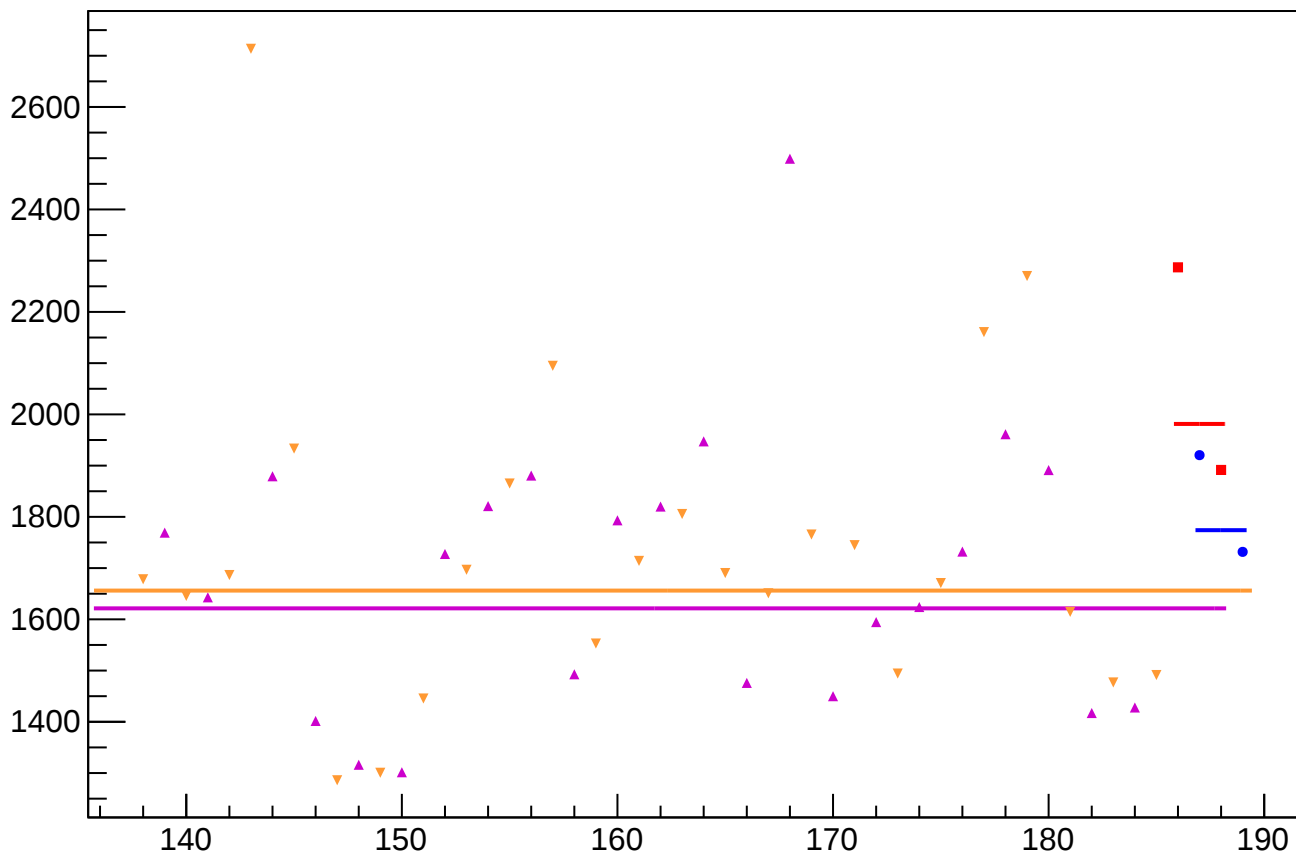
Left In: -2116.114 ± 392.997 χ^2/NDF : 18.8/22

+ sign 1803.535 ± 386.306 χ^2/NDF : 27.2/26

All: -239.391 ± 272.204 χ^2/NDF : 105.5/51

- sign -2253.977 ± 383.617 χ^2/NDF : 22.7/24

asym_us_agg_avg_rms vs Slug



Right In: 1774.010+/-1.654 χ^2/NDF : 2265.9/1

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

Right Out: 1981.366+/-1.249 χ^2/NDF : 17593.3/1

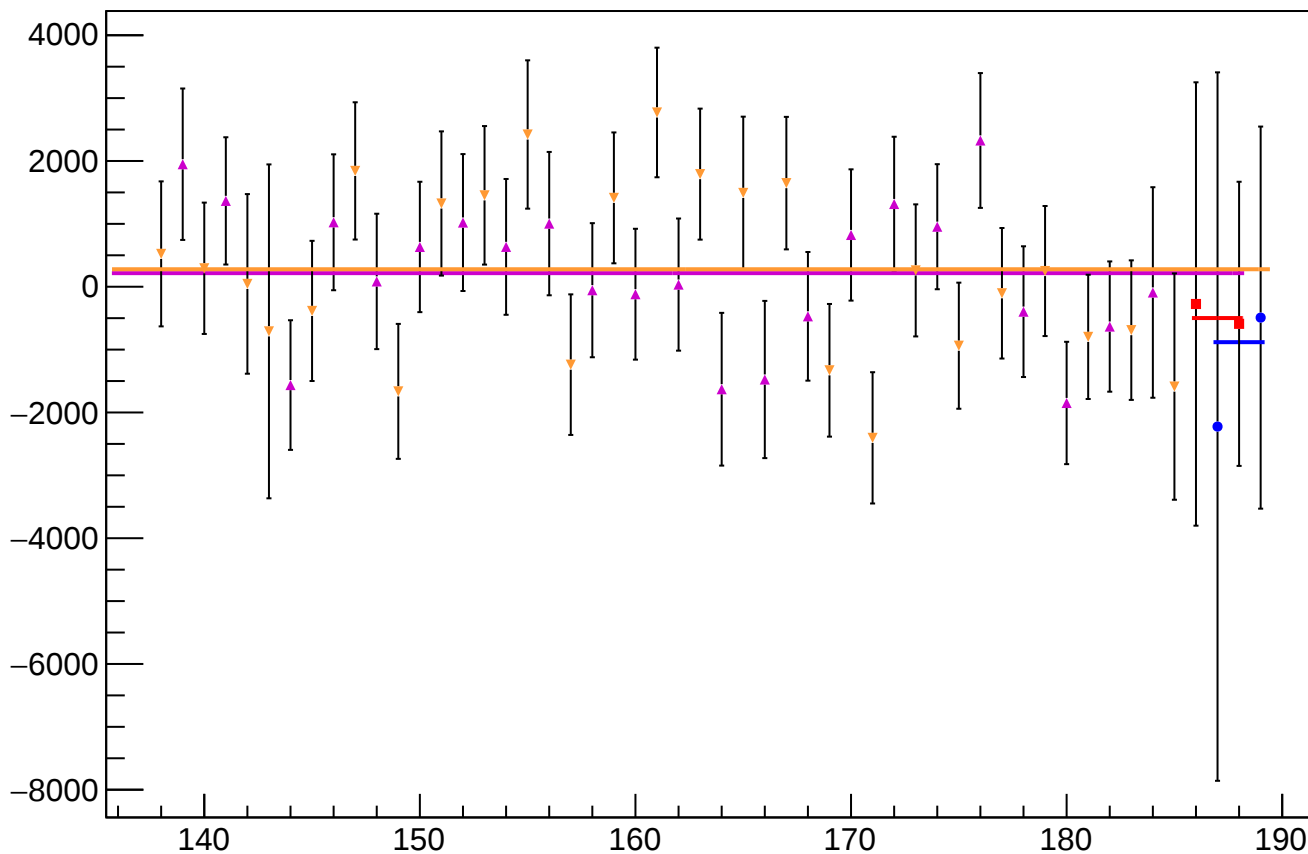
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1659.334+/-0.273 χ^2/NDF : 917780.6/26

All: 1648.791+/-0.192 χ^2/NDF : 1792774.6/51

- sign 1638.394+/-0.271 χ^2/NDF : 872035.0/24

asym_us_agg_dd_mean vs Slug



Right In: -881.799+/-2674.489 χ^2/NDF : 0.1/1

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

Right Out: -498.211+/-1902.544 χ^2/NDF : 0.0/1

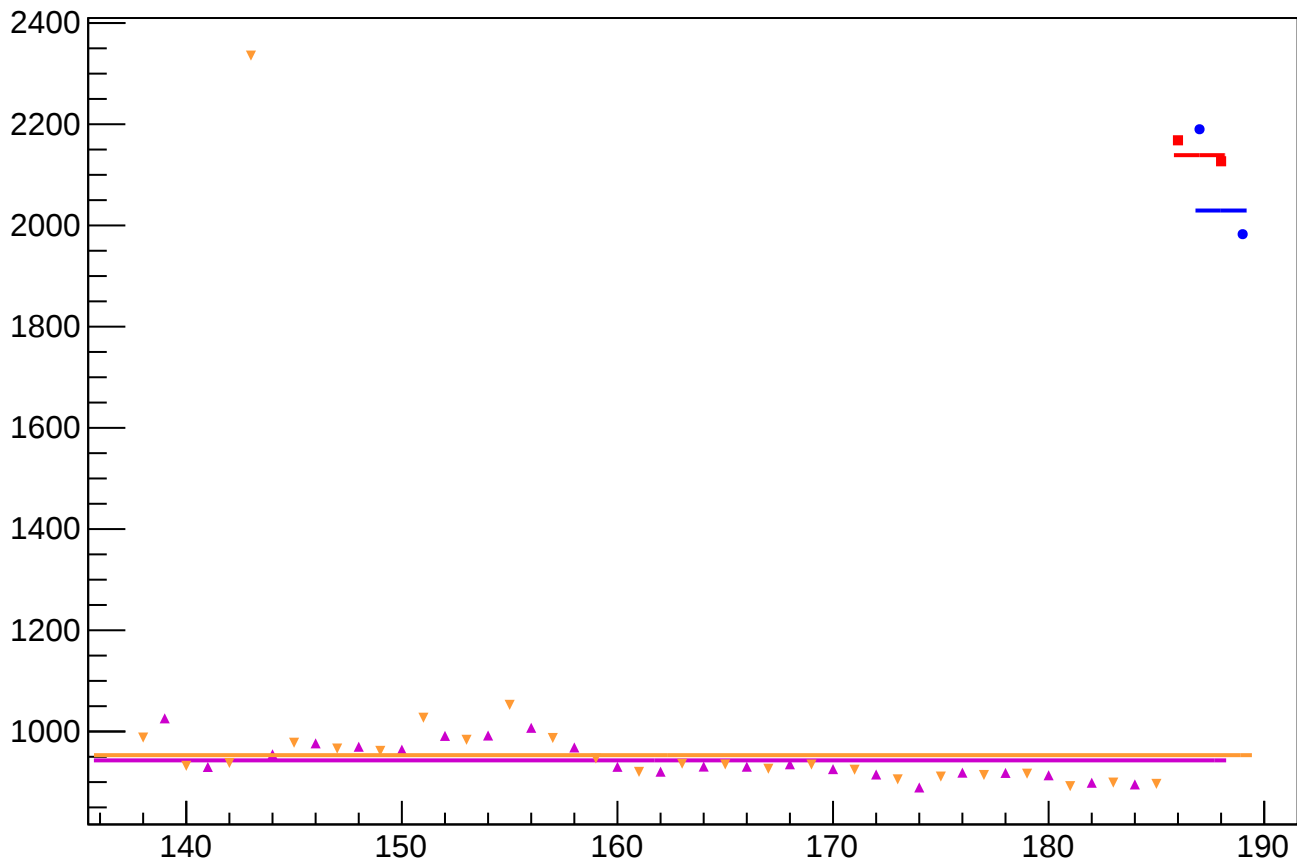
Left In: 216.121+/-225.600 χ^2/NDF : 24.4/22

+ sign 270.041+/-222.804 χ^2/NDF : 38.7/26

All: 238.304+/-157.978 χ^2/NDF : 63.3/51

- sign 206.216+/-224.031 χ^2/NDF : 24.6/24

asym_us_agg_dd_rms vs Slug



Right In: 2029.487+/-1.891 χ^2/NDF : 2098.3/1

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

Right Out: 2138.886+/-1.345 χ^2/NDF : 195.8/1

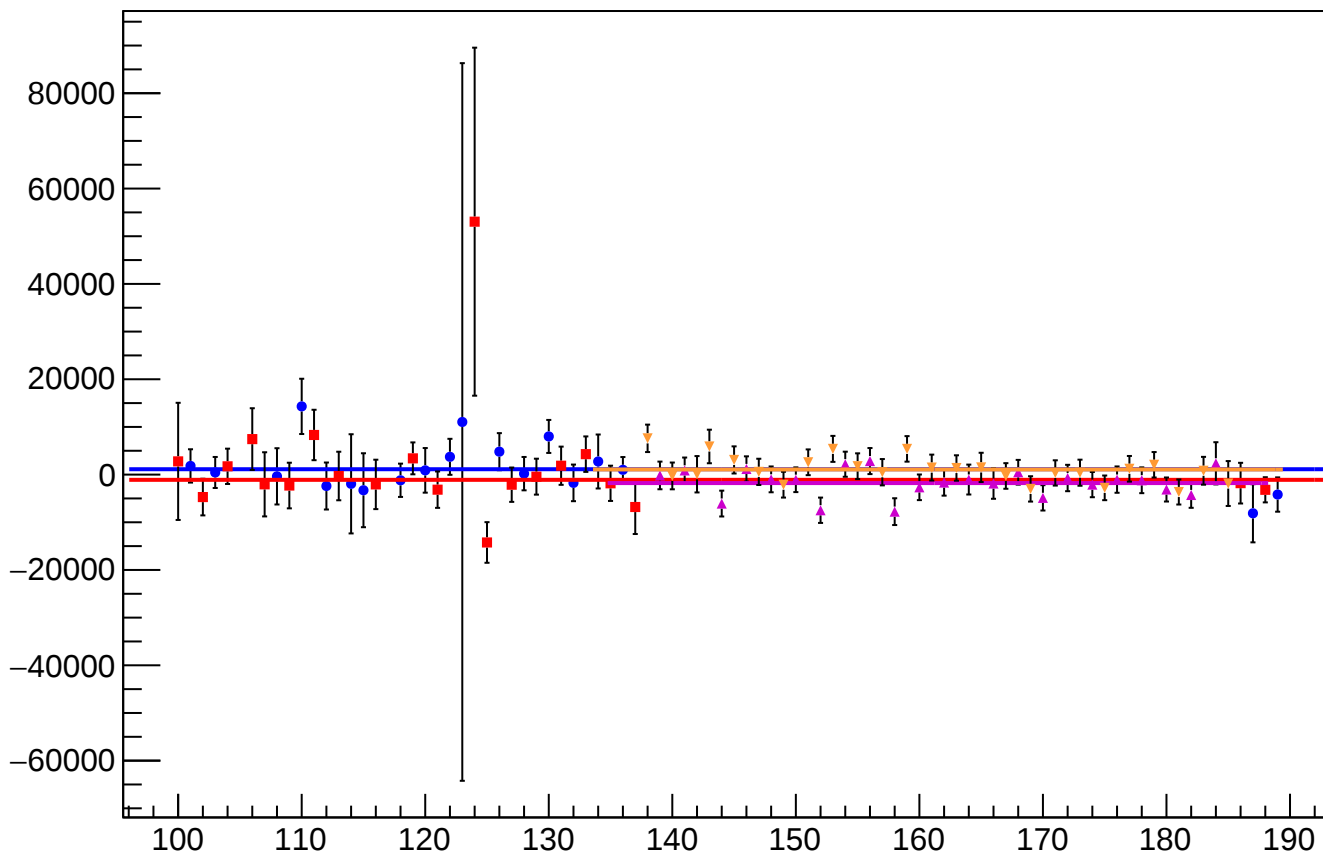
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 960.690+/-0.158 χ^2/NDF : 930006.2/26

All: 960.103+/-0.112 χ^2/NDF : 1757977.8/51

- sign 959.510+/-0.158 χ^2/NDF : 827943.7/24

reg_asym_atl1_mean vs Slug



Right In: 1128.111 ± 965.305 χ^2/NDF : 17.2/18

Left Out: 1078.054 ± 564.005 χ^2/NDF : 23.6/24

Right Out: -1096.731 ± 933.769 χ^2/NDF : 24.9/20

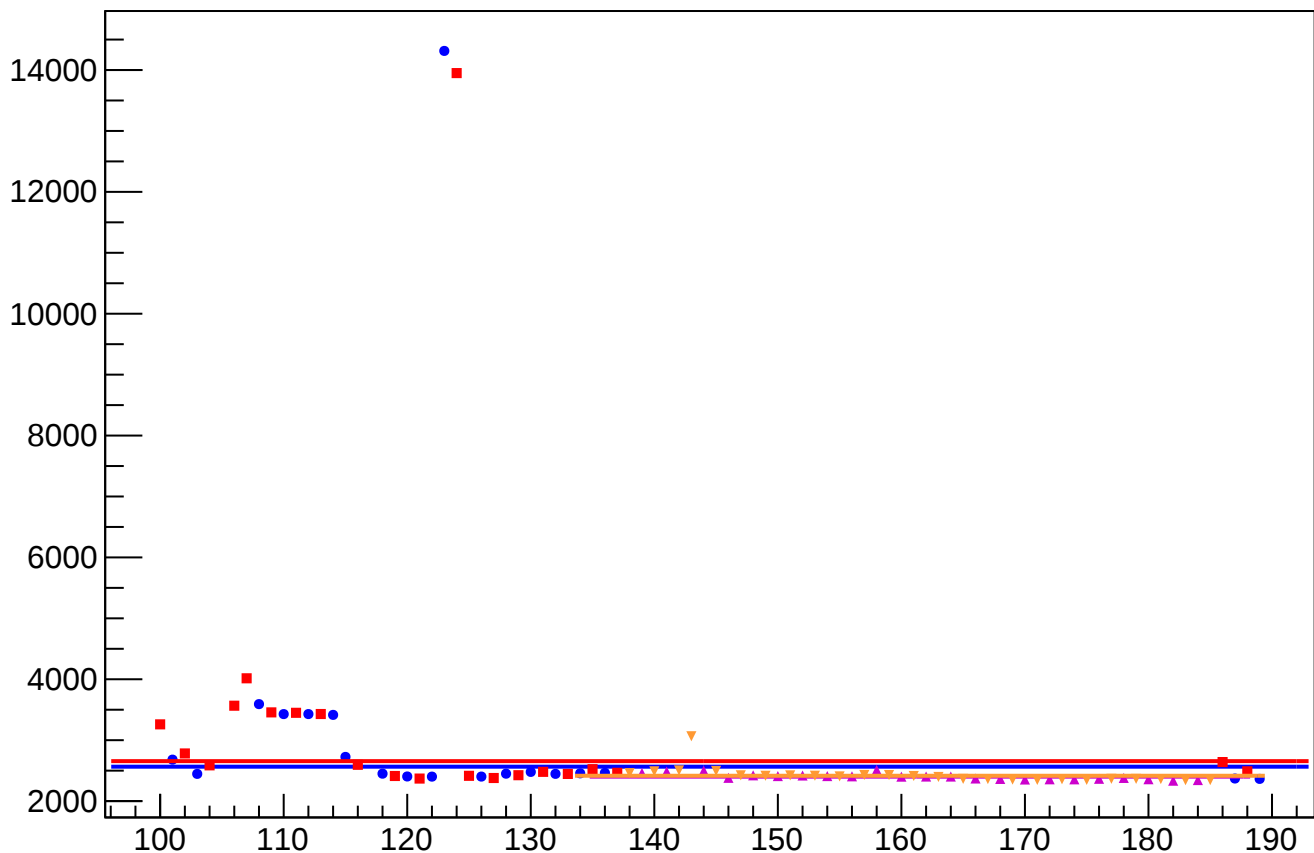
Left In: -1777.100 ± 575.895 χ^2/NDF : 24.1/22

+ sign 1090.794 ± 486.976 χ^2/NDF : 40.8/43

All: -240.655 ± 345.467 χ^2/NDF : 105.2/87

- sign -1589.620 ± 490.168 χ^2/NDF : 49.3/43

reg_asym_atl1_rms vs Slug



Right In: 2565.046+/-0.683 χ^2/NDF : 262955.2/18

Left Out: 2416.019+/-0.399 χ^2/NDF : 82636.1/24

Right Out: 2655.910+/-0.660 χ^2/NDF : 538349.0/20

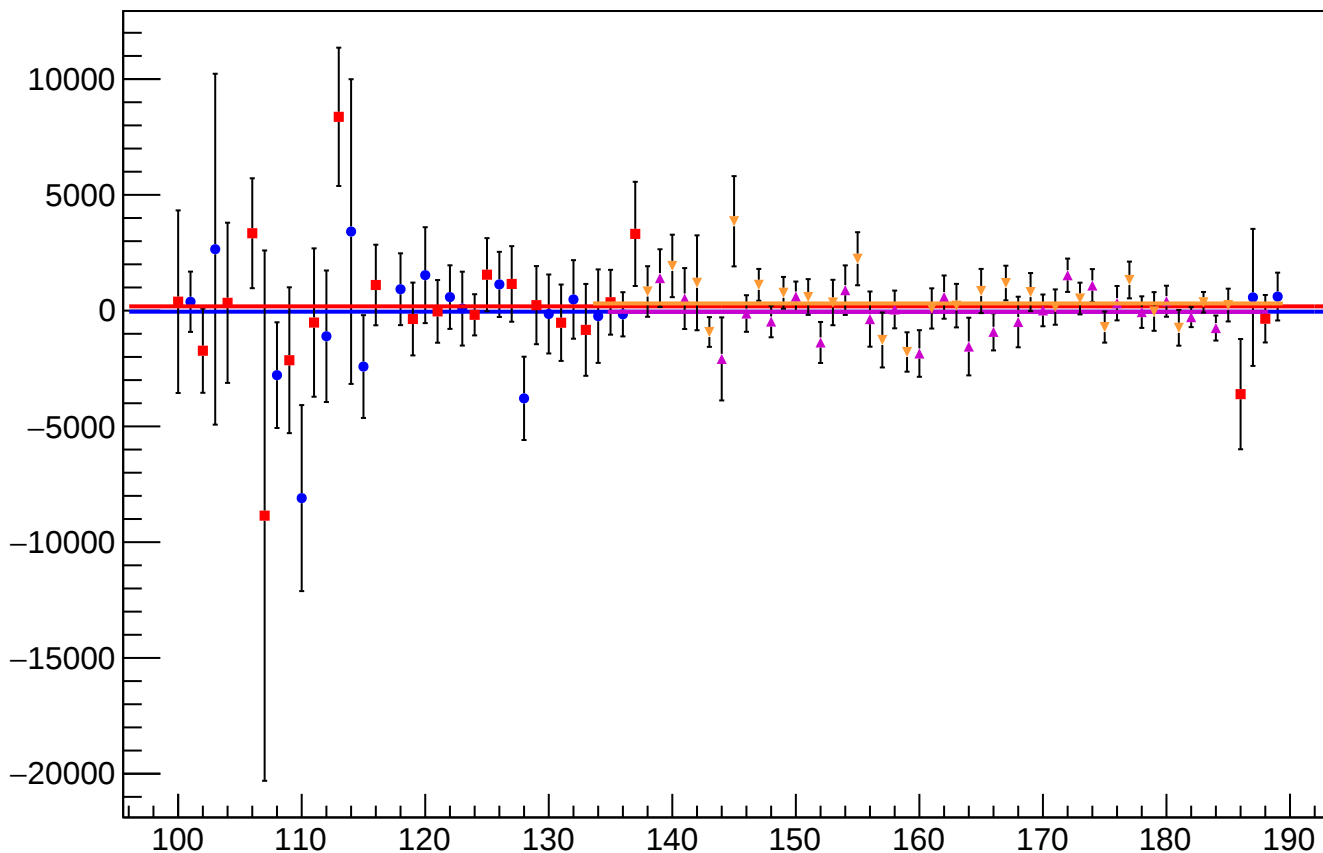
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2453.947+/-0.344 χ^2/NDF : 381128.2/43

All: 2462.690+/-0.244 χ^2/NDF : 1042142.3/87

- sign 2471.548+/-0.347 χ^2/NDF : 659716.2/43

asym_atl1_correction_mean vs Slug



Right In: -45.548 ± 386.810 χ^2/NDF : 14.0/18

Left Out: 310.873 ± 160.650 χ^2/NDF : 29.7/24

Right Out: 184.882 ± 375.958 χ^2/NDF : 18.5/20

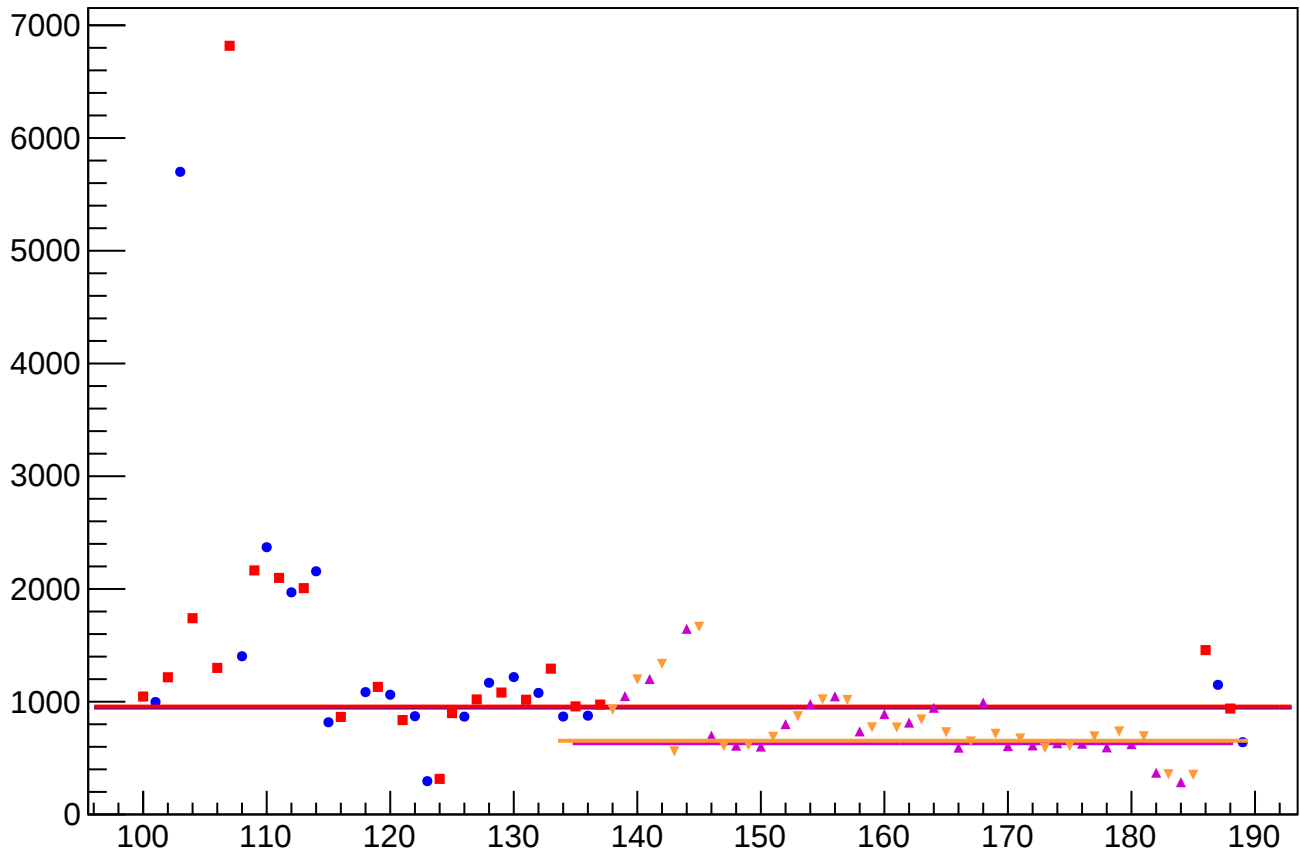
Left In: -51.454 ± 161.744 χ^2/NDF : 23.8/22

+ sign 258.438 ± 148.363 χ^2/NDF : 44.5/43

All: 122.145 ± 104.984 χ^2/NDF : 88.9/87

- sign -14.543 ± 148.578 χ^2/NDF : 42.7/43

asym_atl1_correction_rms vs Slug



Right In: 948.747 $\pm$ 0.274 χ^2 /NDF: 2114603.2/18

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

Right Out: 956.634 $\pm$ 0.266 χ^2 /NDF: 2757358.5/20

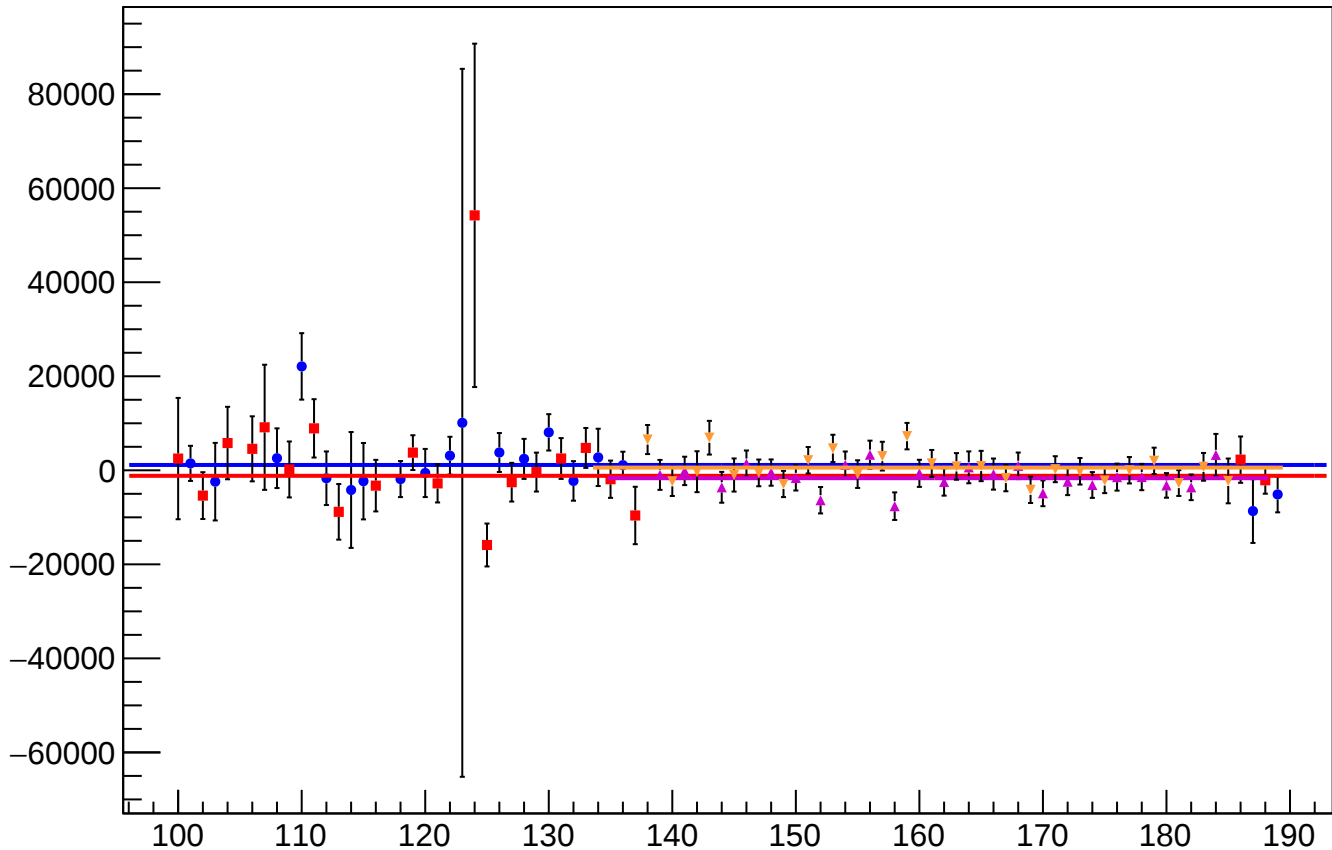
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF:3942853.4/22

+ sign 697.193 $\pm$ 0.105 χ^2 /NDF: 6361055.0/43

All: 689.980 $\pm$ 0.074 χ^2 /NDF: 14328637.6/87

- sign 682.746 $\pm$ 0.105 χ^2 /NDF: 7958114.0/43

asym_atl1_mean vs Slug



Right In: 1136.587 $\pm$ 1098.192 χ^2 /NDF: 19.9/18

Left Out: 580.879 $\pm$ 597.173 χ^2 /NDF: 25.3/24

Right Out: -1171.450 $\pm$ 1073.067 χ^2 /NDF: 27.4/20

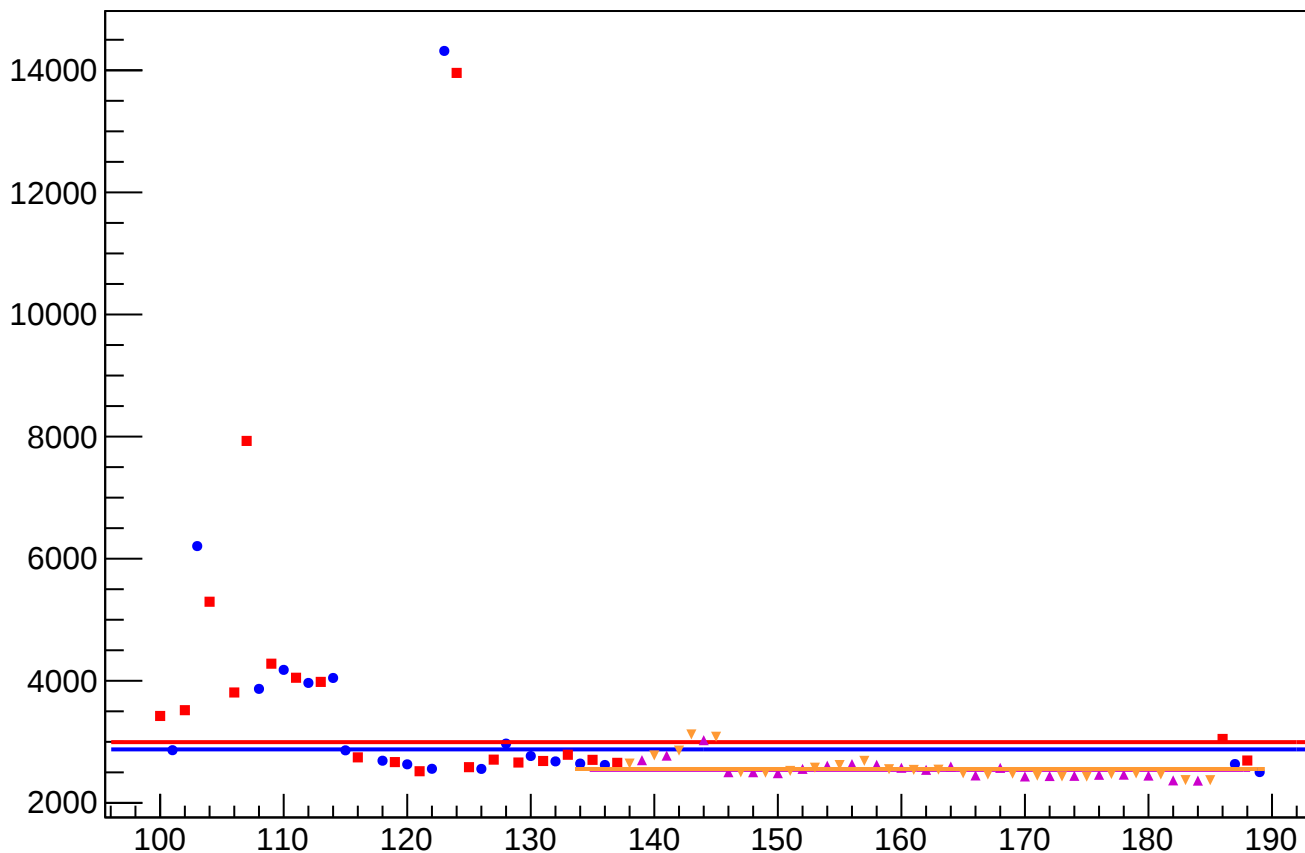
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 707.699 $\pm$ 524.625 χ^2 /NDF: 45.4/43

All: -411.532 $\pm$ 372.983 χ^2 /NDF: 100.4/87

- sign -1555.440 $\pm$ 530.377 χ^2 /NDF: 45.8/43

asym_atl1_rms vs Slug



Right In: 2876.318 $\pm$ 0.777 χ^2/NDF : 660790.9/18

Left Out: 2555.279 $\pm$ 0.422 χ^2/NDF : 154743.6/24

Right Out: 2995.266 $\pm$ 0.759 χ^2/NDF : 1032549.2/20

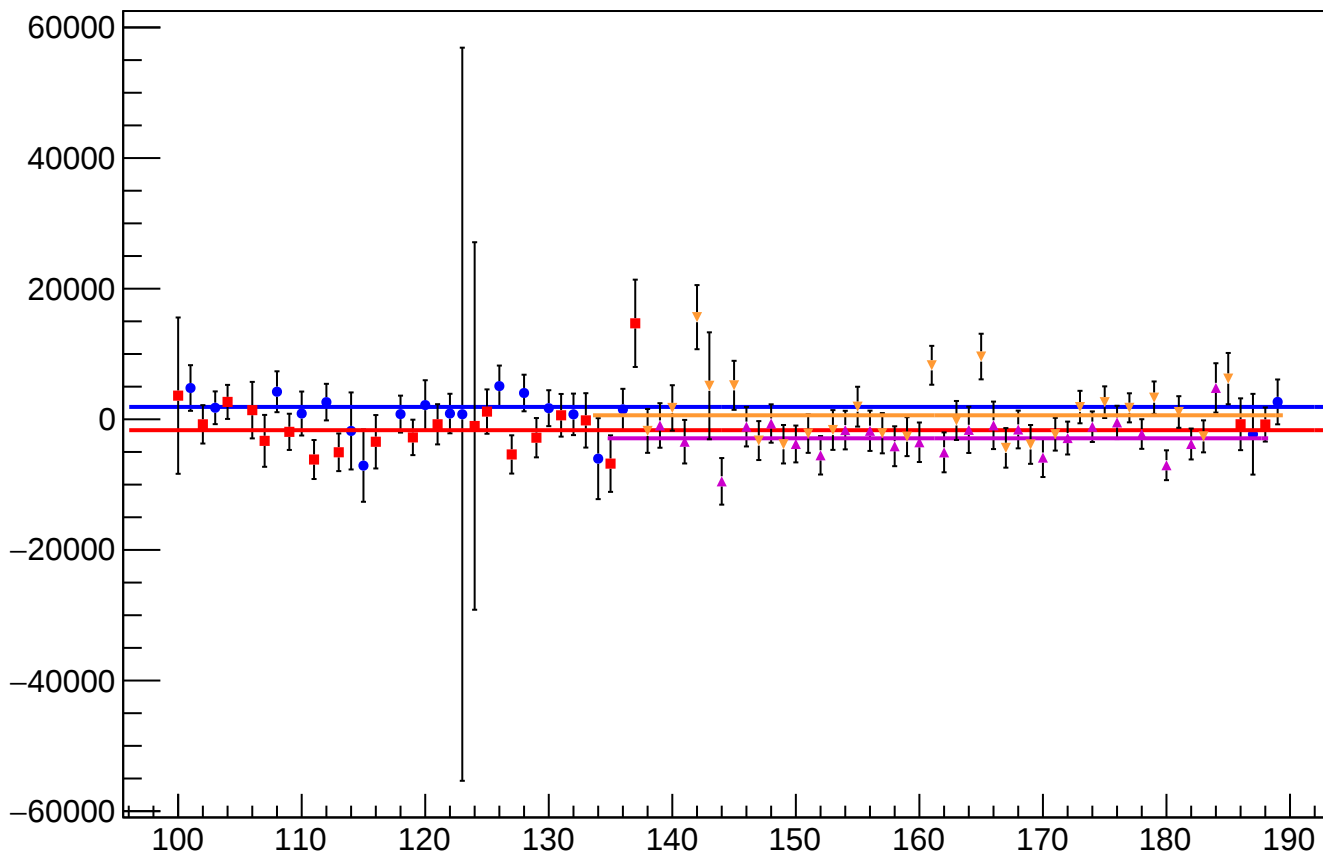
Left In: 2540.988 $\pm$ 0.431 χ^2/NDF : 94756.7/22

+ sign 2628.545 $\pm$ 0.371 χ^2/NDF : 947446.9/43

All: 2640.128 $\pm$ 0.264 χ^2/NDF : 2347601.3/87

- sign 2651.966 $\pm$ 0.375 χ^2/NDF : 1398183.0/43

reg_asym_atl2_mean vs Slug



Right In: 1894.758 ± 785.288 χ^2/NDF : 8.6/18

Left Out: 614.867 ± 591.148 χ^2/NDF : 45.2/24

Right Out: -1666.698 ± 744.800 χ^2/NDF : 18.4/20

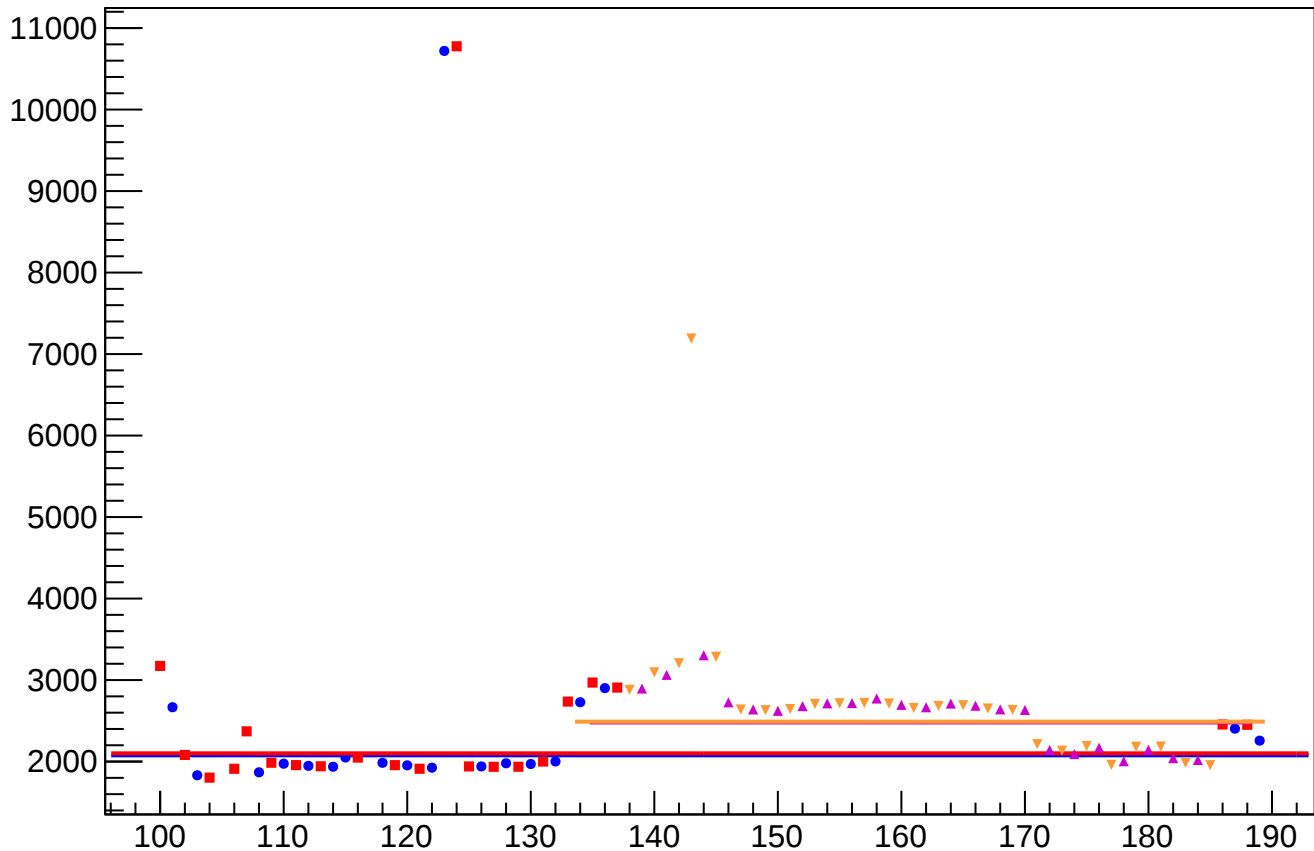
Left In: -2909.108 ± 599.673 χ^2/NDF : 17.4/22

+ sign 1077.810 ± 472.288 χ^2/NDF : 55.5/43

All: -690.680 ± 332.105 χ^2/NDF : 120.7/87

- sign -2420.468 ± 467.091 χ^2/NDF : 37.5/43

reg_asym_atl2_rms vs Slug



Right In: 2076.504+/-0.555 χ^2/NDF : 329469.6/18

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

Right Out: 2100.987+/-0.527 χ^2/NDF : 500285.1/20

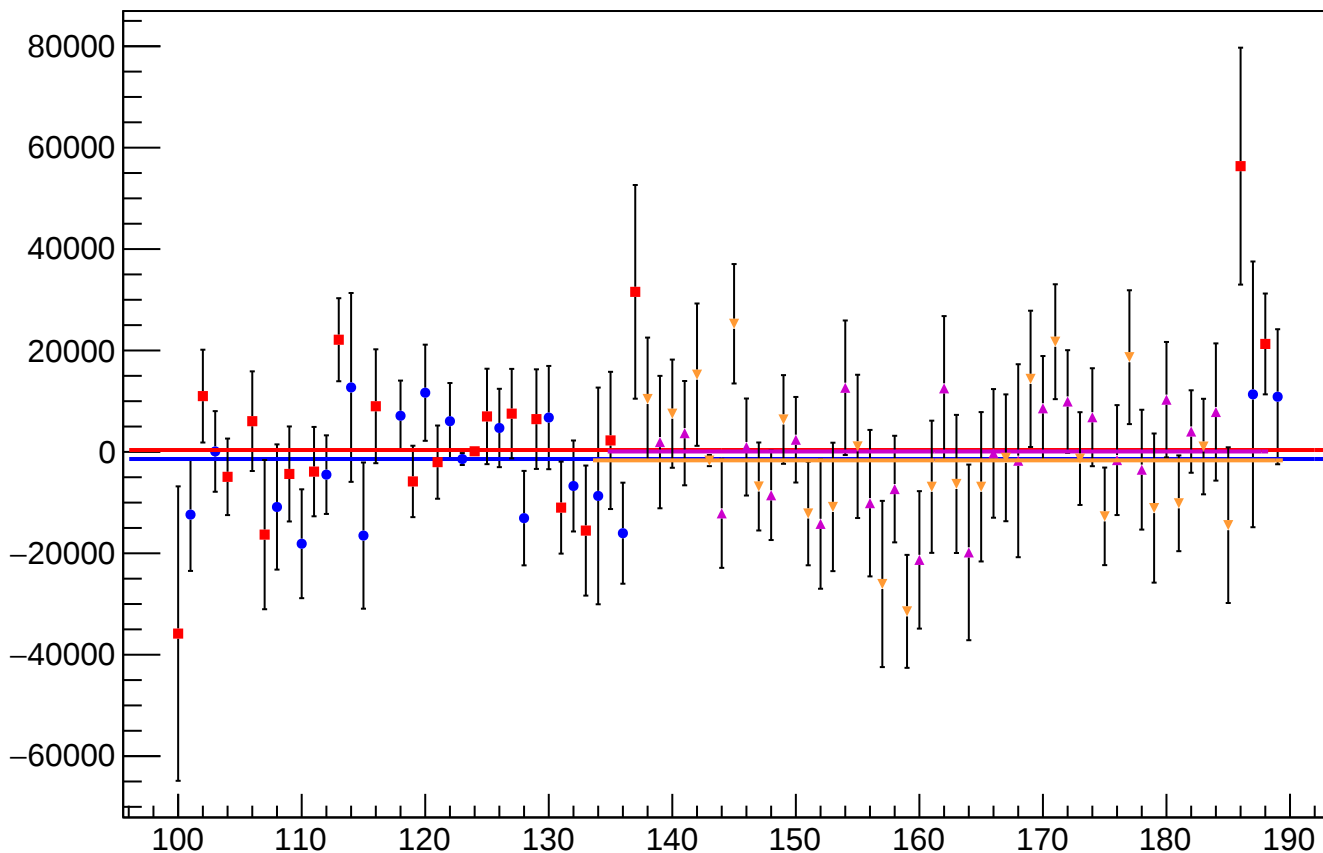
Left In: 2479.348+/-0.424 χ^2/NDF : 668398.2/22

+ sign 2340.166+/-0.334 χ^2/NDF : 2046894.3/43

All: 2335.299+/-0.235 χ^2/NDF : 3529139.6/87

- sign 2330.538+/-0.330 χ^2/NDF : 1481825.2/43

asym_atl2_correction_mean vs Slug



Right In: -1402.432 $\pm$ 1050.523 χ^2 /NDF: 16.8/18

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

Right Out: 371.850 $\pm$ 693.338 χ^2 /NDF: 31.2/20

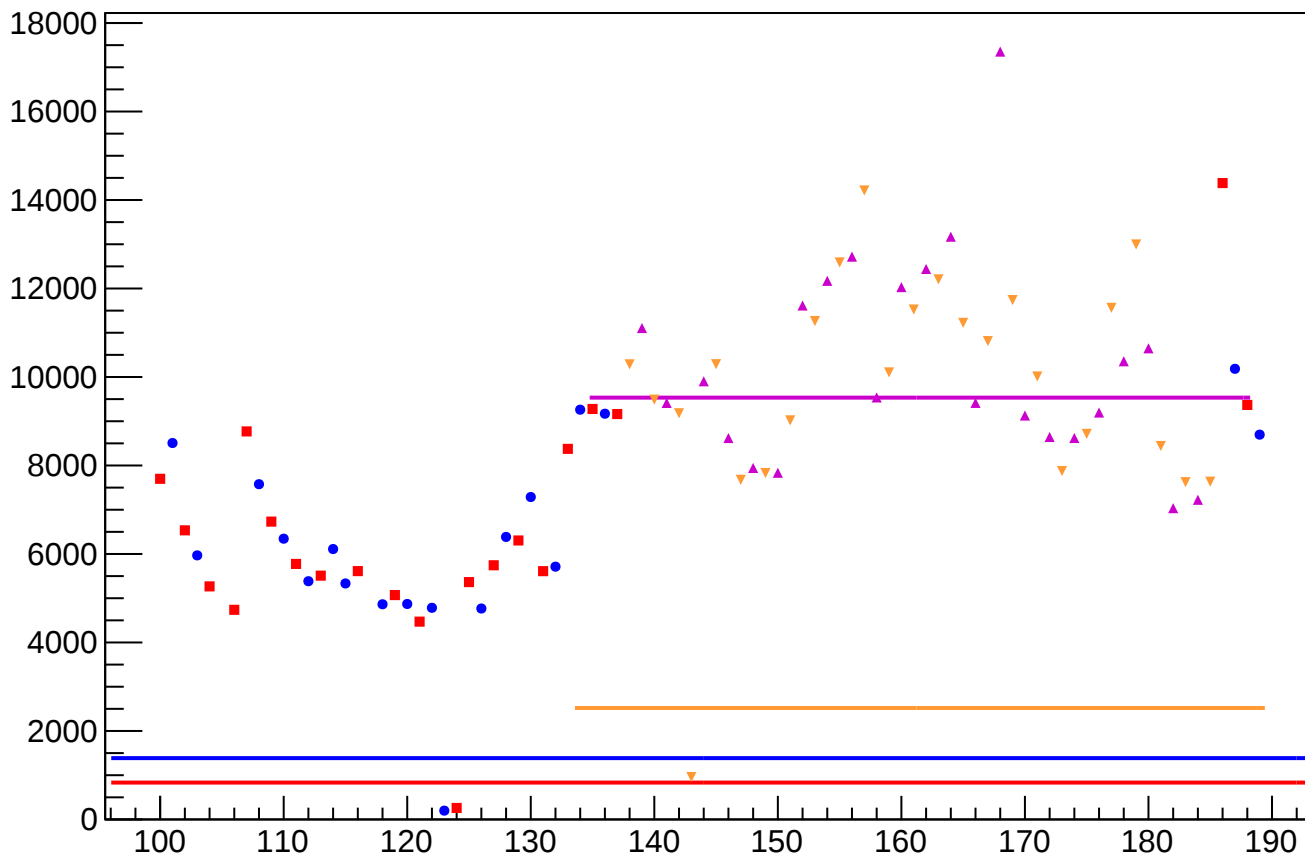
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1541.313 $\pm$ 721.659 χ^2 /NDF: 49.2/43

All: -518.902 $\pm$ 488.863 χ^2 /NDF: 97.9/87

- sign 348.160 $\pm$ 664.576 χ^2 /NDF: 45.0/43

asym_atl2_correction_rms vs Slug



Right In: 1386.179+/-0.743 χ^2/NDF : 10862472.5/18

Left Out: 2519.359+/-0.702 χ^2/NDF : 23642118.3/24

Right Out: 833.545+/-0.490 χ^2/NDF : 13564495.1/20

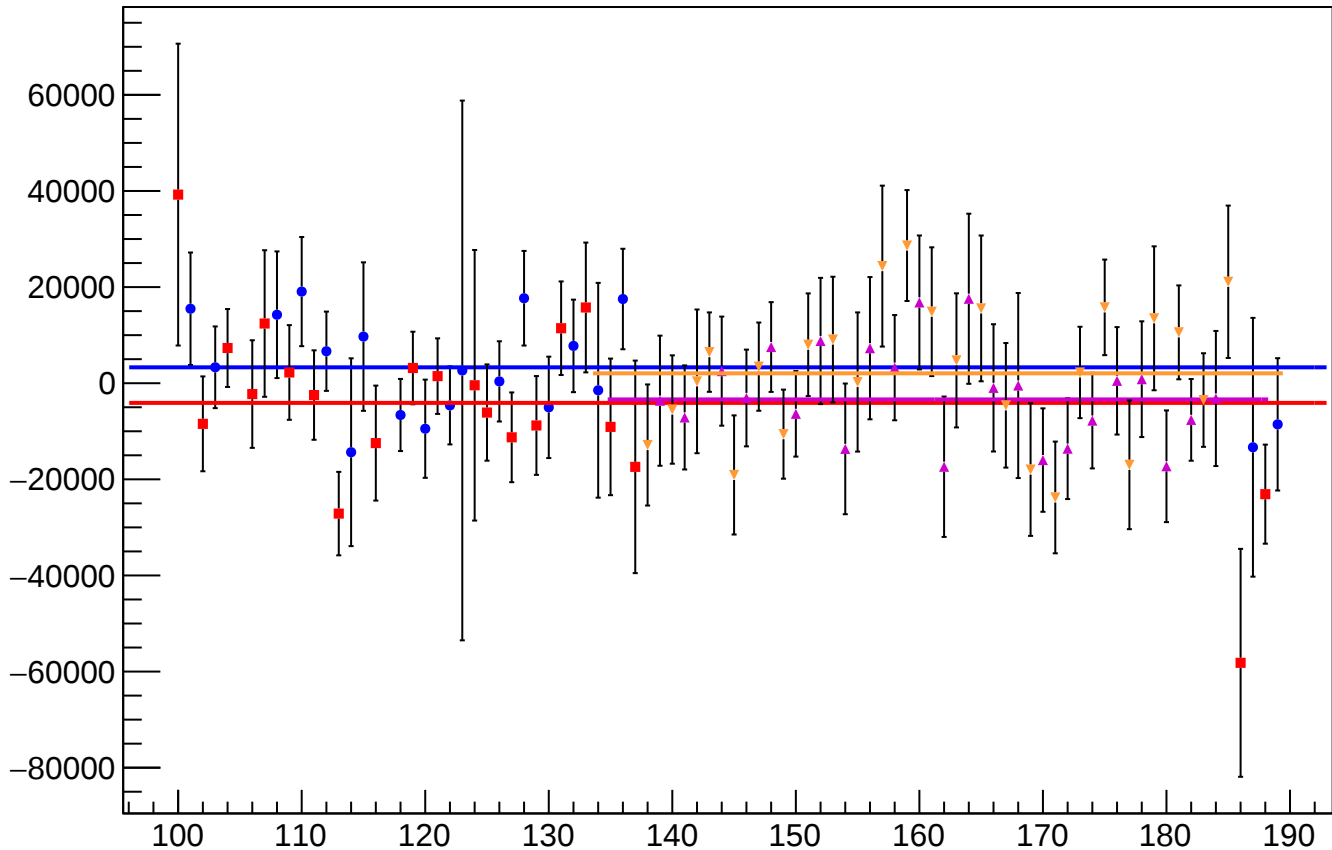
Left In: 9533.563+/-1.649 χ^2/NDF : 1316640.0/22

+ sign 1984.608+/-0.510 χ^2/NDF : 35733527.2/43

All: 1744.240+/-0.346 χ^2/NDF : 76609790.8/8

- sign 1540.394+/-0.470 χ^2/NDF : 40466215.5/43

asym_atl2_mean vs Slug



Right In: 3305.089+/-2490.068 χ^2/NDF : 15.2/18

Left Out: 2055.950+/-2333.494 χ^2/NDF : 30.7/24

Right Out: -4094.017+/-2350.722 χ^2/NDF : 29.3/20

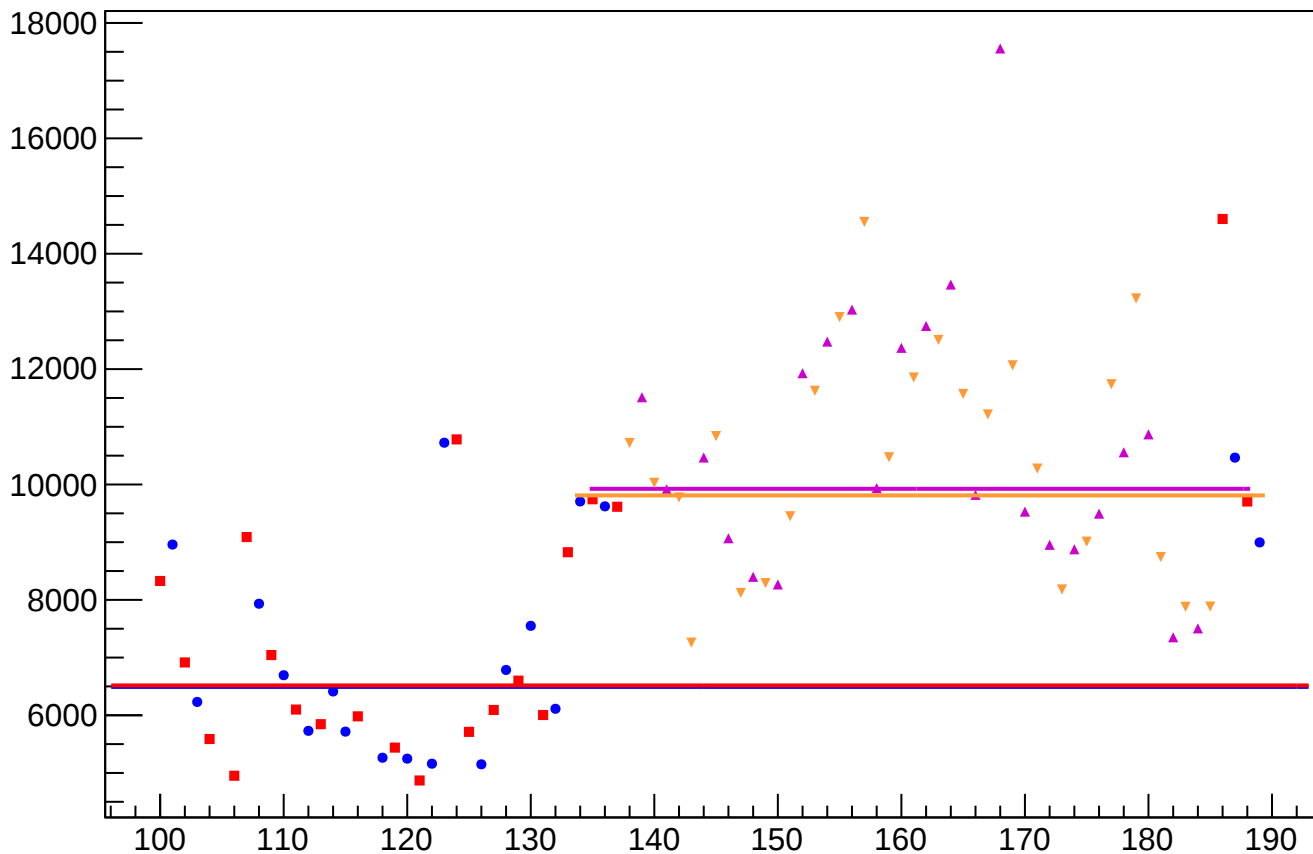
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

+ sign 2640.015+/-1702.693 χ^2/NDF : 46.1/43

All: -581.012+/-1198.495 χ^2/NDF : 95.7/87

- sign -3743.941+/-1687.267 χ^2/NDF : 42.5/43

asym_atl2_rms vs Slug



Right In: 6491.855 ± 1.761 χ^2/NDF : 693001.6/18

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

Right Out: 6517.019 ± 1.662 χ^2/NDF : 979885.0/20

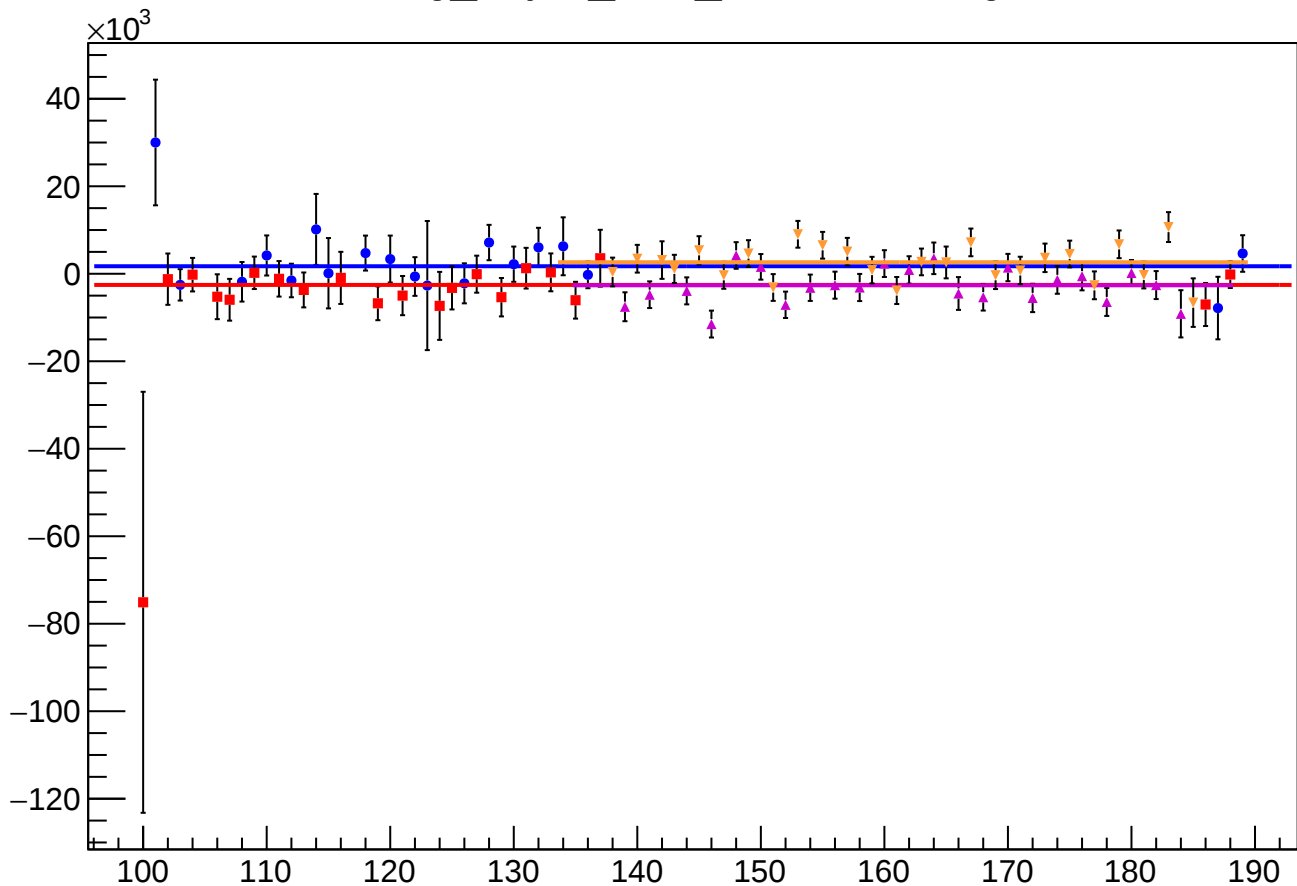
Left In: 9925.337 ± 1.713 χ^2/NDF : 1211554.7/22

+ sign 8259.075 ± 1.204 χ^2/NDF : 3798893.7/43

All: 8213.799 ± 0.847 χ^2/NDF : 8031585.7/87

- sign 8169.341 ± 1.193 χ^2/NDF : 4229889.3/43

reg_asym_atr1_mean vs Slug



Right In: 1719.498 $\pm$ 1079.481 χ^2 /NDF: 15.7/18

Left Out: 2635.833 $\pm$ 646.121 χ^2 /NDF:35.1/24

Right Out: -2551.971 $\pm$ 993.575 χ^2 /NDF: 11.0/20

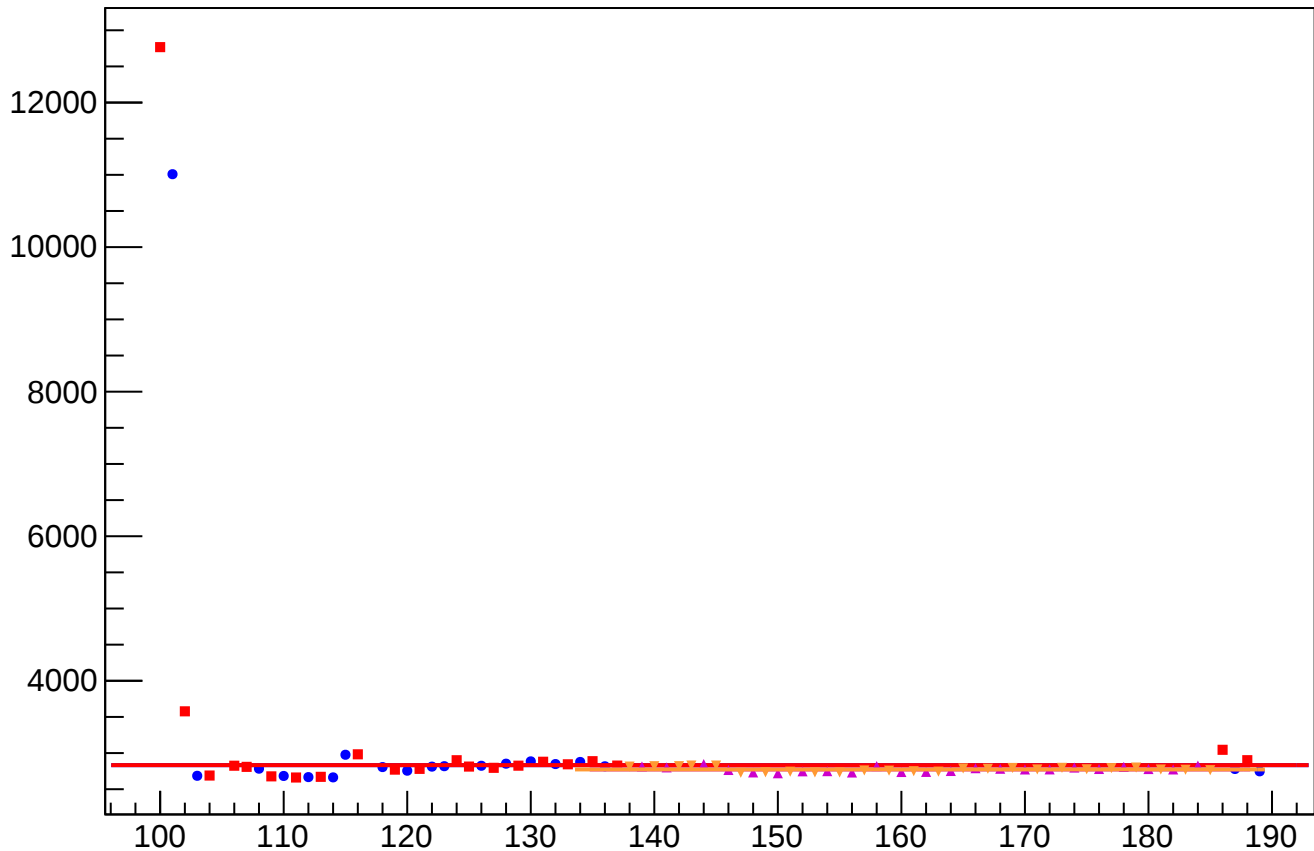
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF:35.2/22

+ sign 2394.137 $\pm$ 554.399 χ^2 /NDF: 51.3/43

All: -117.915 $\pm$ 391.308 χ^2 /NDF: 138.5/87

- sign -2611.828 $\pm$ 552.394 χ^2 /NDF: 46.3/43

reg_asym_atr1_rms vs Slug



Right In: 2832.746+/-0.763 χ^2/NDF : 661163.6/18

Left Out: 2773.713+/-0.457 χ^2/NDF : 4616.5/24

Right Out: 2833.094+/-0.703 χ^2/NDF : 138339.0/20

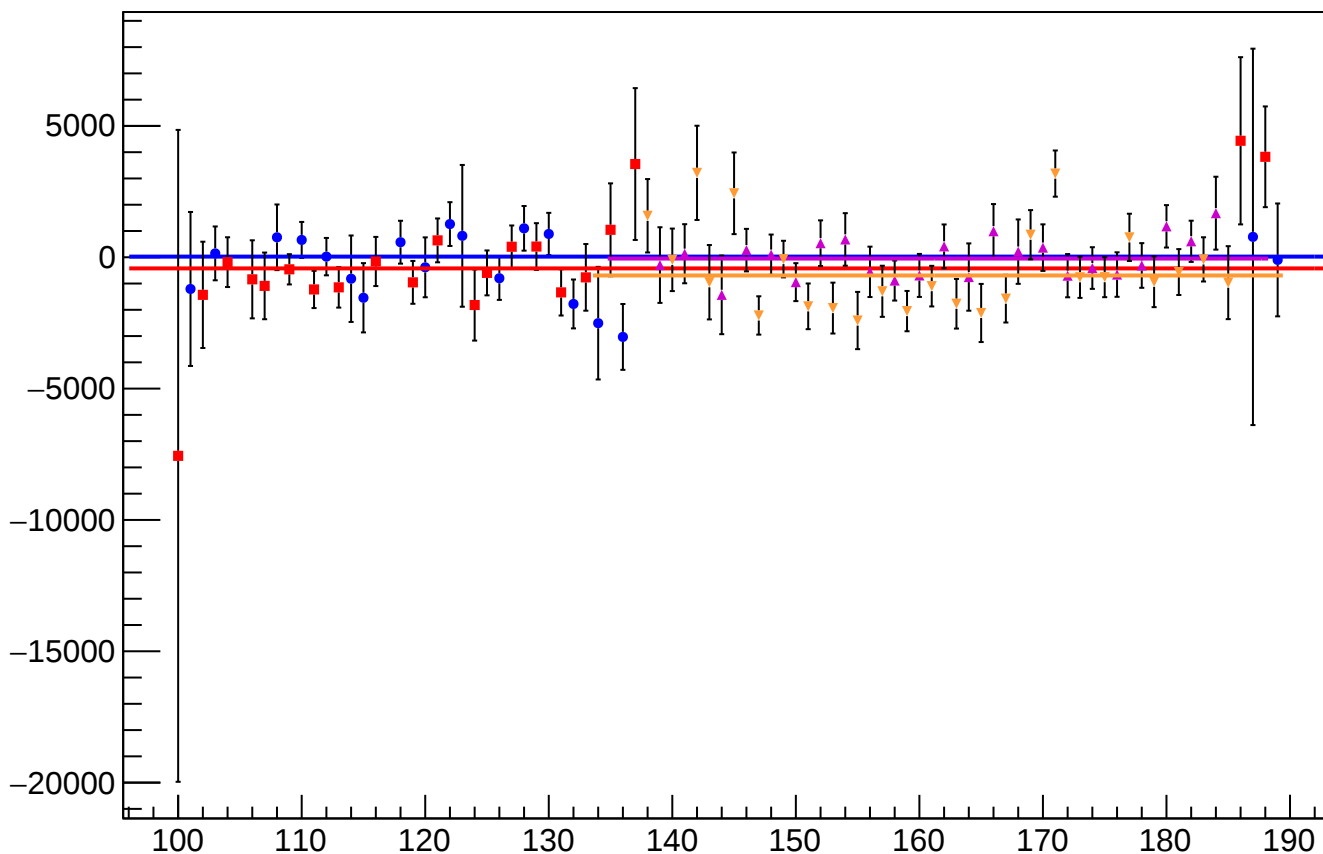
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2789.284+/-0.392 χ^2/NDF : 670183.5/43

All: 2790.793+/-0.277 χ^2/NDF : 818419.4/87

- sign 2792.291+/-0.391 χ^2/NDF : 148206.4/43

asym_atr1_correction_mean vs Slug



Right In: 25.000 ± 240.790 $\chi^2/\text{NDF}: 20.8/18$

Left Out: -692.808 ± 187.297 $\chi^2/\text{NDF}: 56.0/24$

Right Out: -424.238 ± 220.175 $\chi^2/\text{NDF}: 19.3/20$

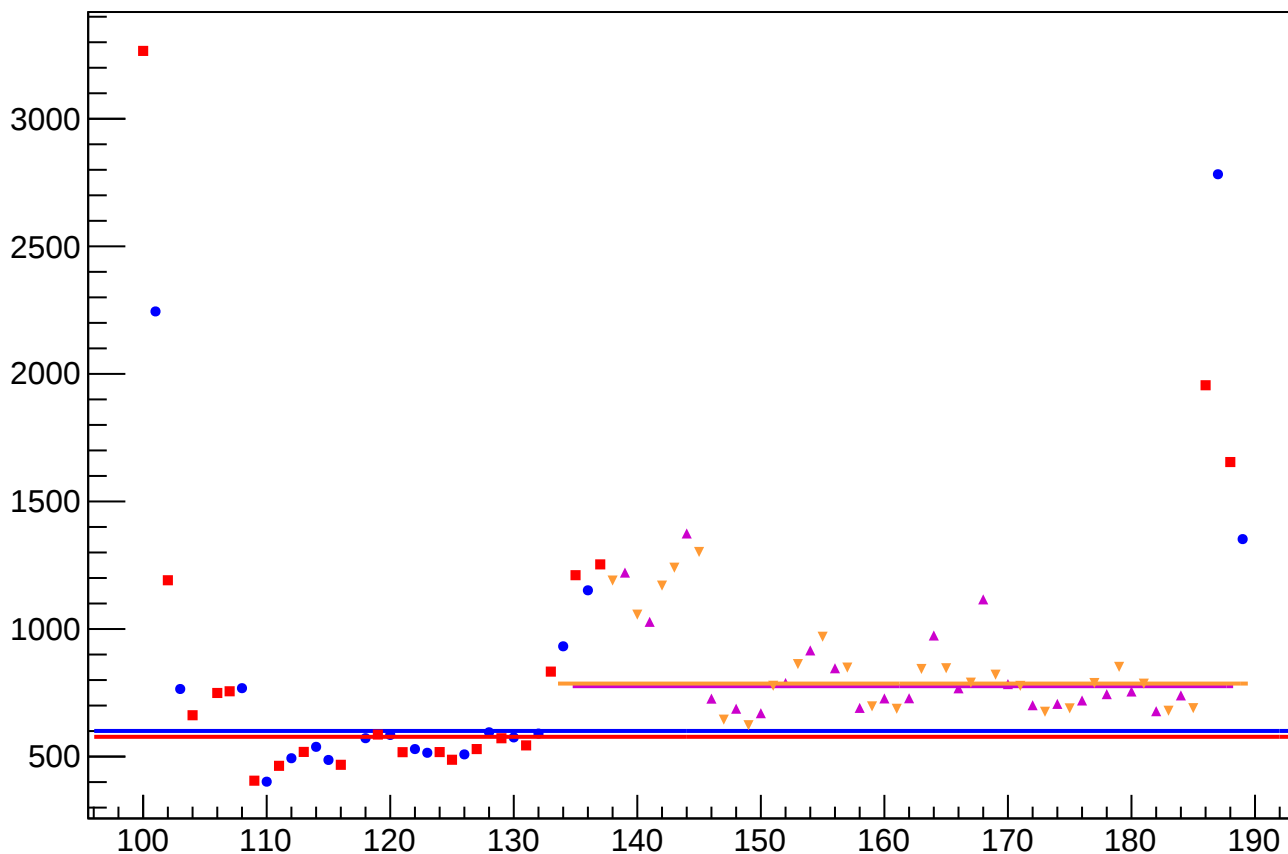
Left In: -49.244 ± 189.190 $\chi^2/\text{NDF}: 13.6/22$

+ sign -422.220 ± 147.839 $\chi^2/\text{NDF}: 82.3/43$

All: -312.182 ± 102.967 $\chi^2/\text{NDF}: 118.0/87$

- sign -208.519 ± 143.493 $\chi^2/\text{NDF}: 34.6/43$

asym_atr1_correction_rms vs Slug



Right In: 600.459 ± 0.170 χ^2/NDF : 1859505.4/18

Left Out: 786.173 ± 0.132 χ^2/NDF : 1249536.1/24

Right Out: 577.454 ± 0.156 χ^2/NDF : 2128823.6/20

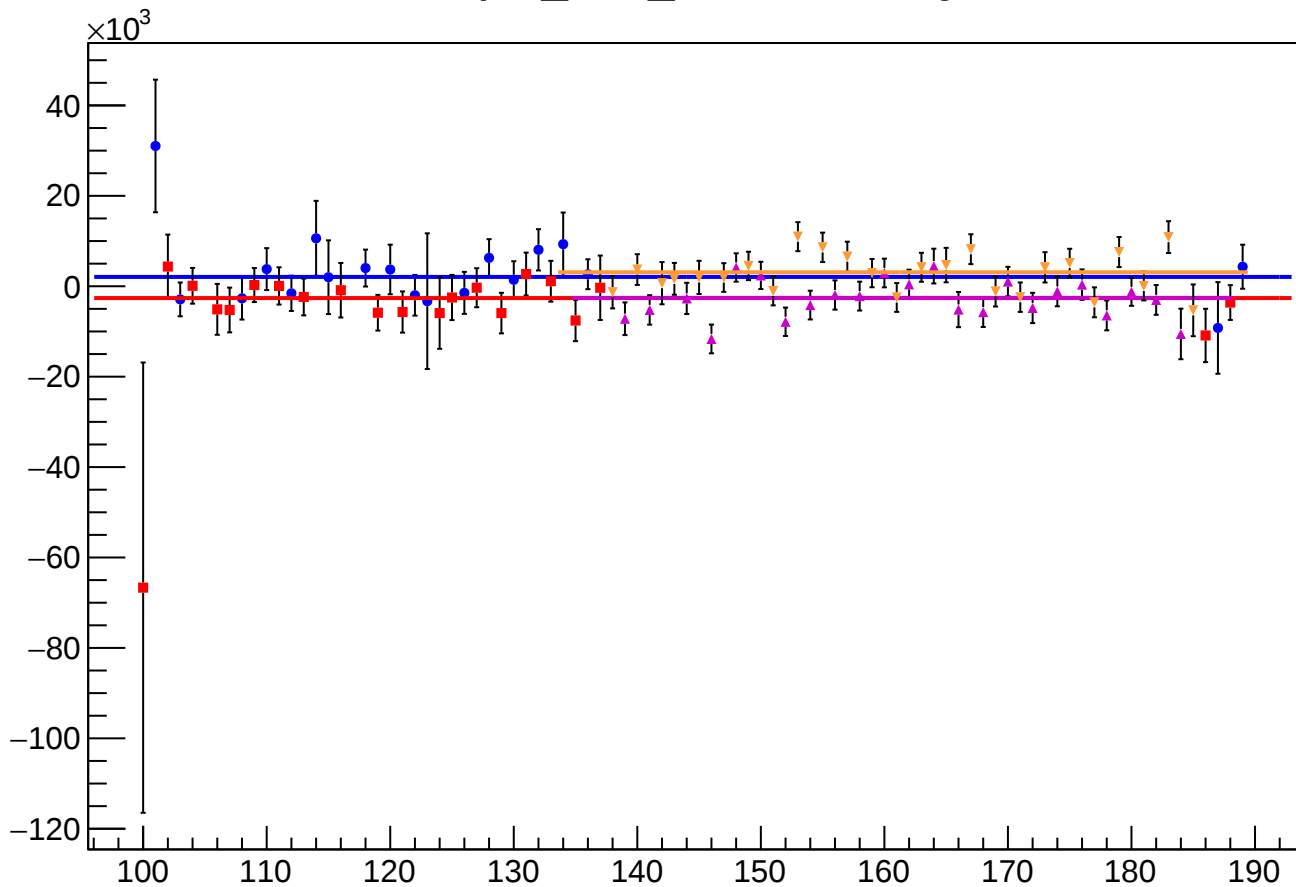
Left In: 775.930 ± 0.134 χ^2/NDF : 1056766.5/22

+ sign 716.165 ± 0.105 χ^2/NDF : 3850282.6/43

All: 703.531 ± 0.073 χ^2/NDF : 7999165.5/87

- sign 691.629 ± 0.101 χ^2/NDF : 4120516.4/43

asym_atr1_mean vs Slug



Right In: 2063.049 $\pm$ 1128.066 χ^2 /NDF: 15.9/18

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

Right Out: -2611.647 $\pm$ 1052.141 χ^2 /NDF: 12.1/20

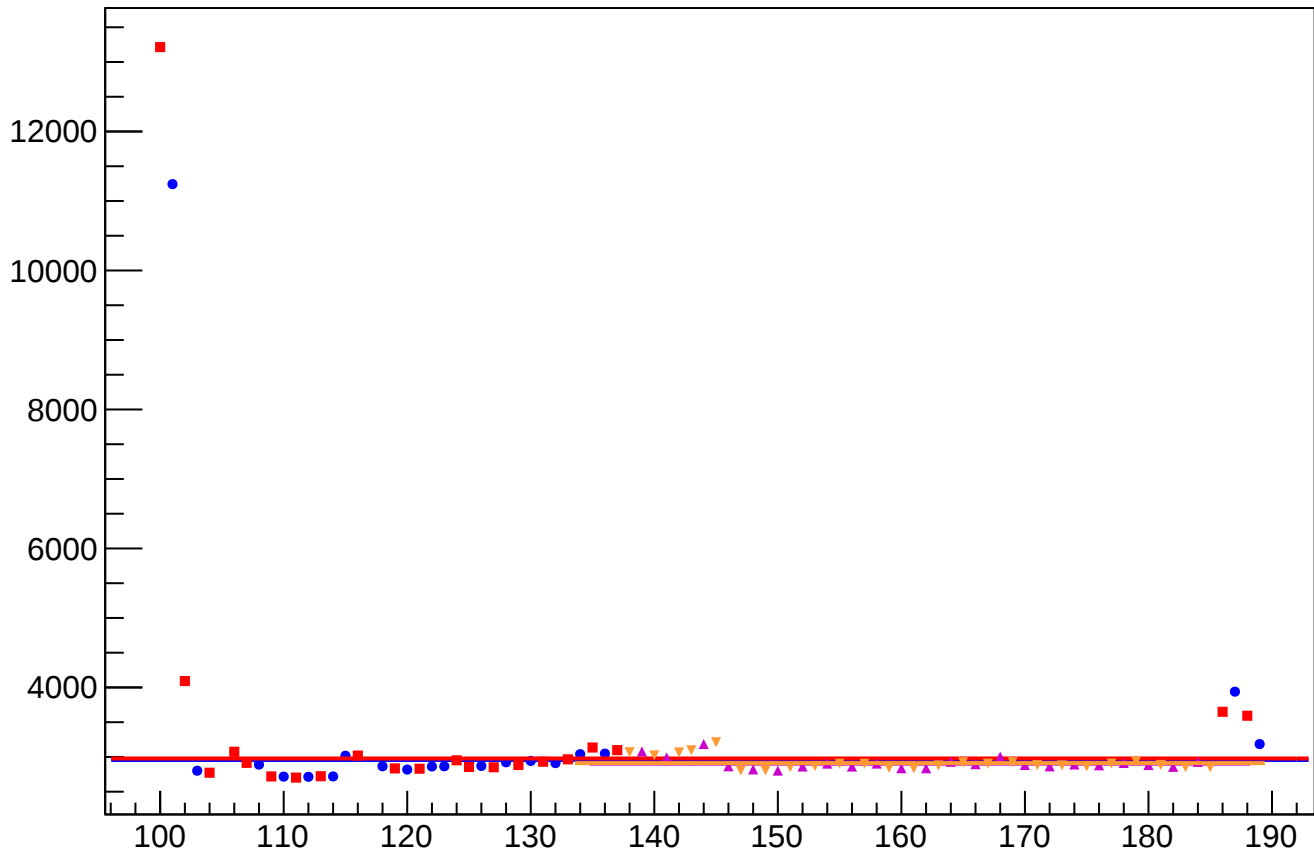
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2820.717 $\pm$ 581.438 χ^2 /NDF: 55.2/43

All: 112.930 $\pm$ 410.759 χ^2 /NDF: 146.3/87

- sign -2584.887 $\pm$ 580.366 χ^2 /NDF: 47.8/43

asym_atr1_rms vs Slug



Right In: 2956.716+/-0.798 χ^2 /NDF: 686311.4/18

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

Right Out: 2978.046+/-0.744 χ^2 /NDF: 255517.5/20

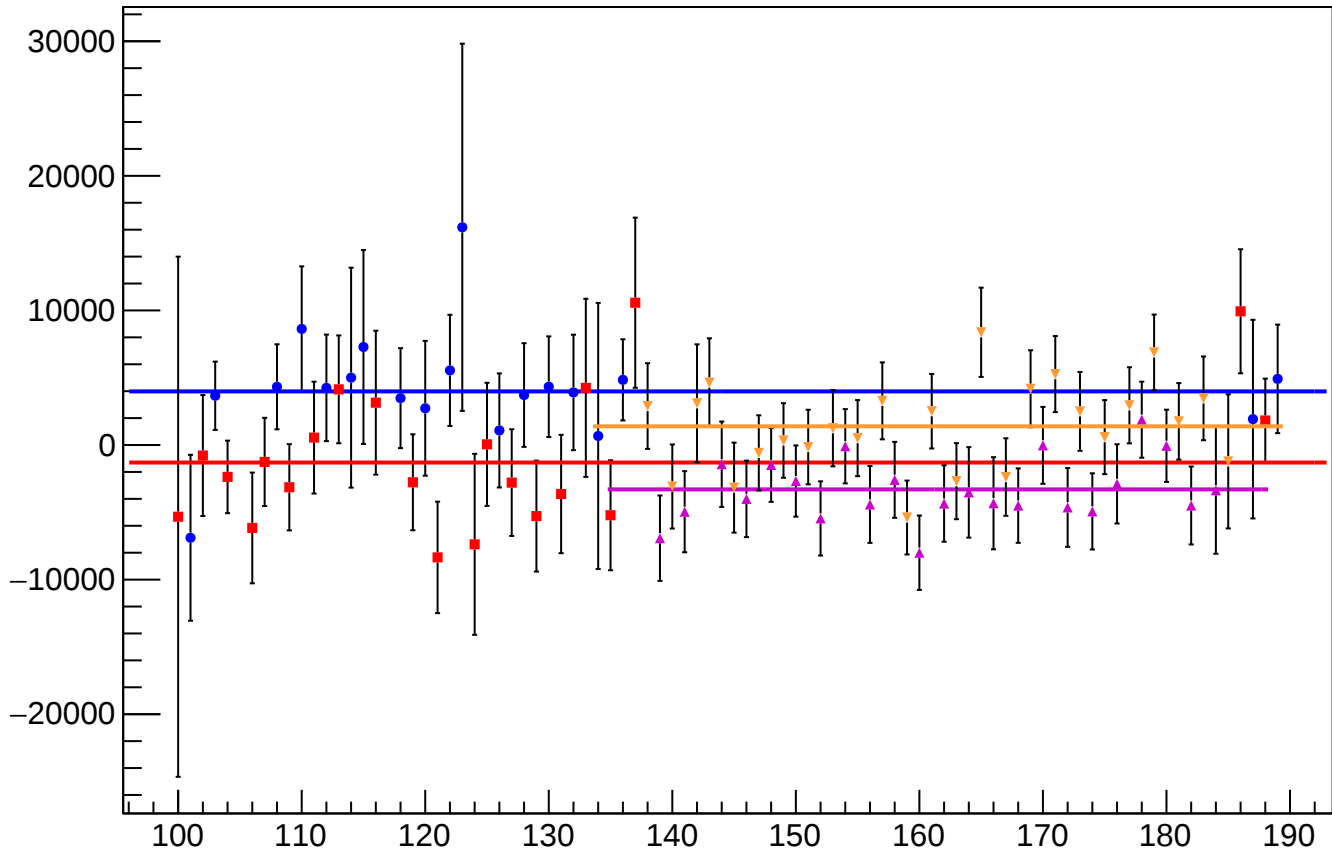
Left In: 2903.411+/-0.492 χ^2 /NDF: 28838.5/22

+ sign 2923.311+/-0.411 χ^2 /NDF: 725344.0/43

All: 2924.718+/-0.290 χ^2 /NDF: 1016725.2/87

- sign 2926.120+/-0.410 χ^2 /NDF: 291357.8/43

reg_asym_atr2_mean vs Slug



Right In: 3984.075+/-975.159 χ^2/NDF : 6.2/18

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

Right Out: -1299.054+/-900.061 χ^2/NDF : 22.1/20

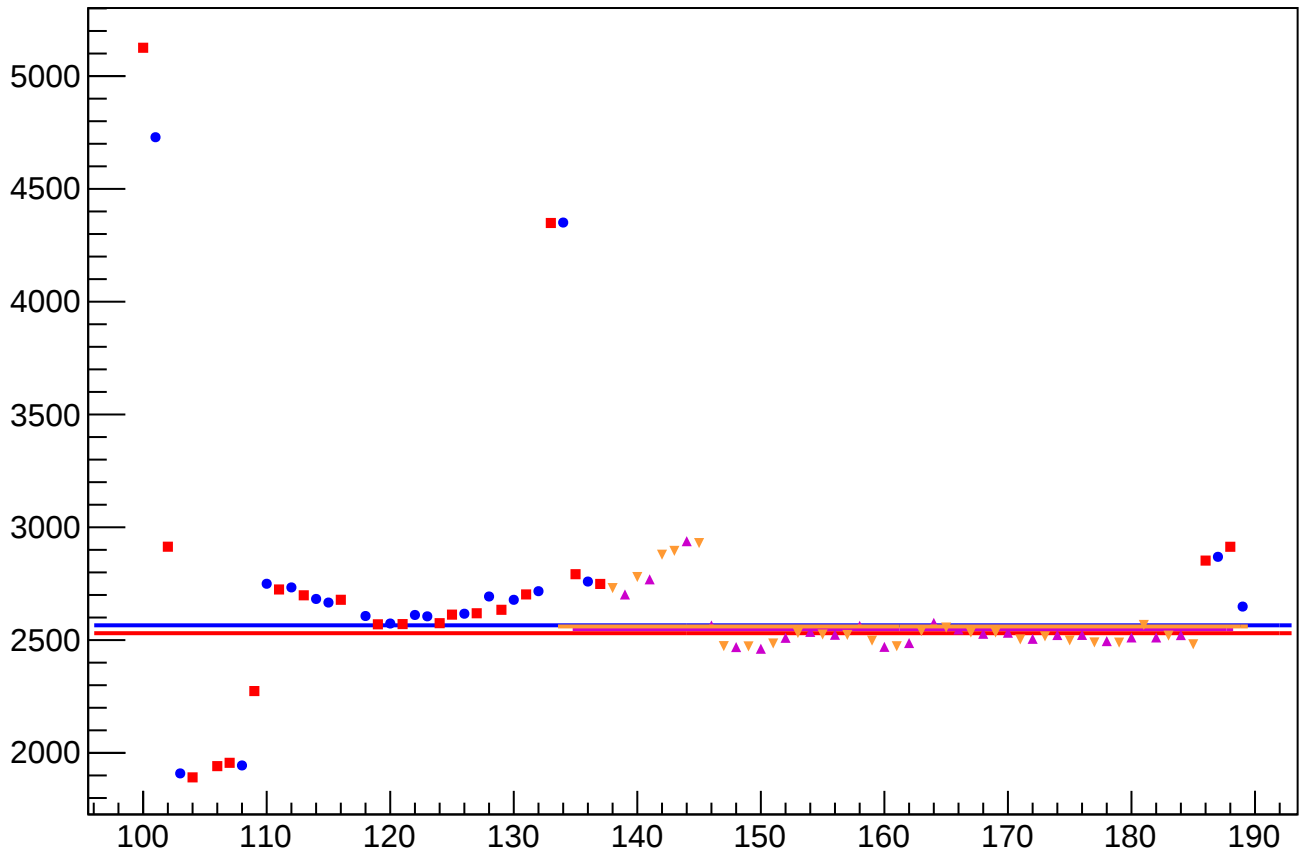
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2096.565+/-508.860 χ^2/NDF : 40.5/43

All: -303.601+/-358.429 χ^2/NDF : 125.0/87

- sign -2667.041+/-504.952 χ^2/NDF : 40.4/43

reg_asym_atr2_rms vs Slug



Right In: 2565.505 ± 0.690 χ^2/NDF : 550240.7/18

Left Out: 2560.531 ± 0.422 χ^2/NDF : 86771.4/24

Right Out: 2530.536 ± 0.636 χ^2/NDF : 496004.7/20

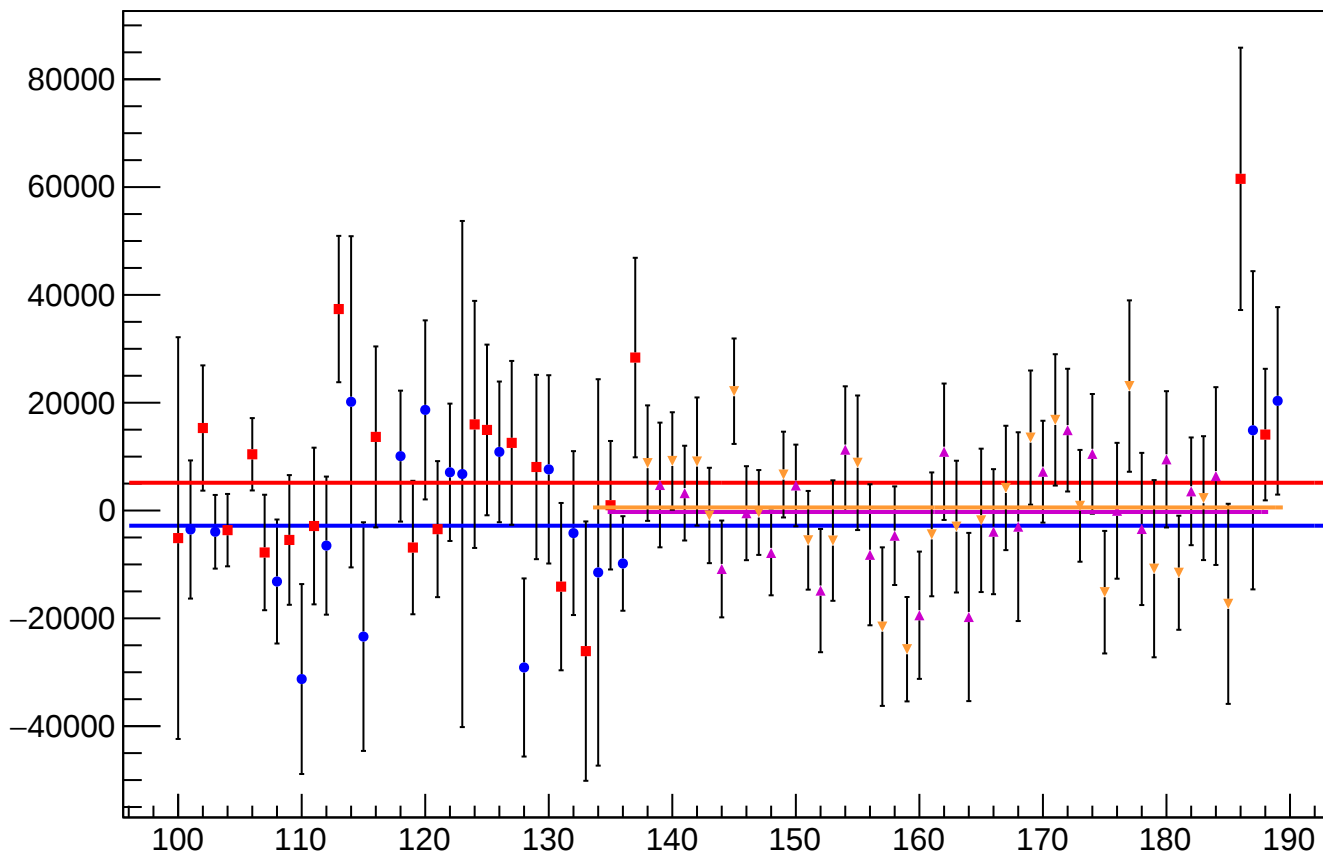
Left In: 2548.870 ± 0.431 χ^2/NDF : 55266.2/22

+ sign 2561.886 ± 0.360 χ^2/NDF : 637049.9/43

All: 2552.420 ± 0.253 χ^2/NDF : 1190262.9/87

- sign 2543.099 ± 0.357 χ^2/NDF : 551839.5/43

asym_atr2_correction_mean vs Slug



Right In: -2816.608 ± 3161.348 χ^2/NDF : 15.3/18

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

Right Out: 5152.742 ± 2746.812 χ^2/NDF : 24.7/20

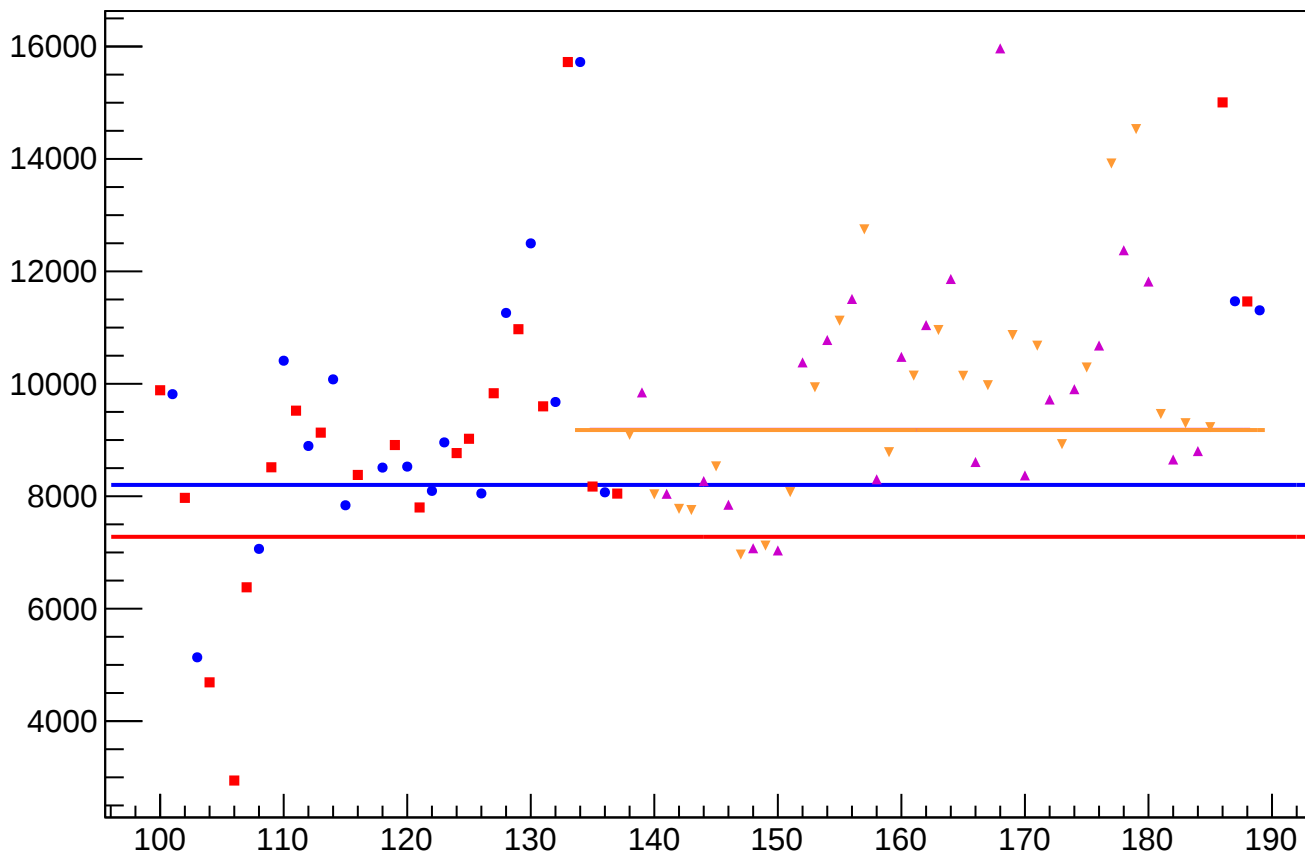
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -522.703 ± 1797.107 χ^2/NDF : 44.3/43

All: 727.643 ± 1249.054 χ^2/NDF : 88.0/87

- sign 1896.112 ± 1737.271 χ^2/NDF : 42.7/43

asym_atr2_correction_rms vs Slug



Right In: 8201.491+/-2.235 χ^2 /NDF: 887742.2/18

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

Right Out: 7278.398+/-1.942 χ^2 /NDF: 2241127.2/20

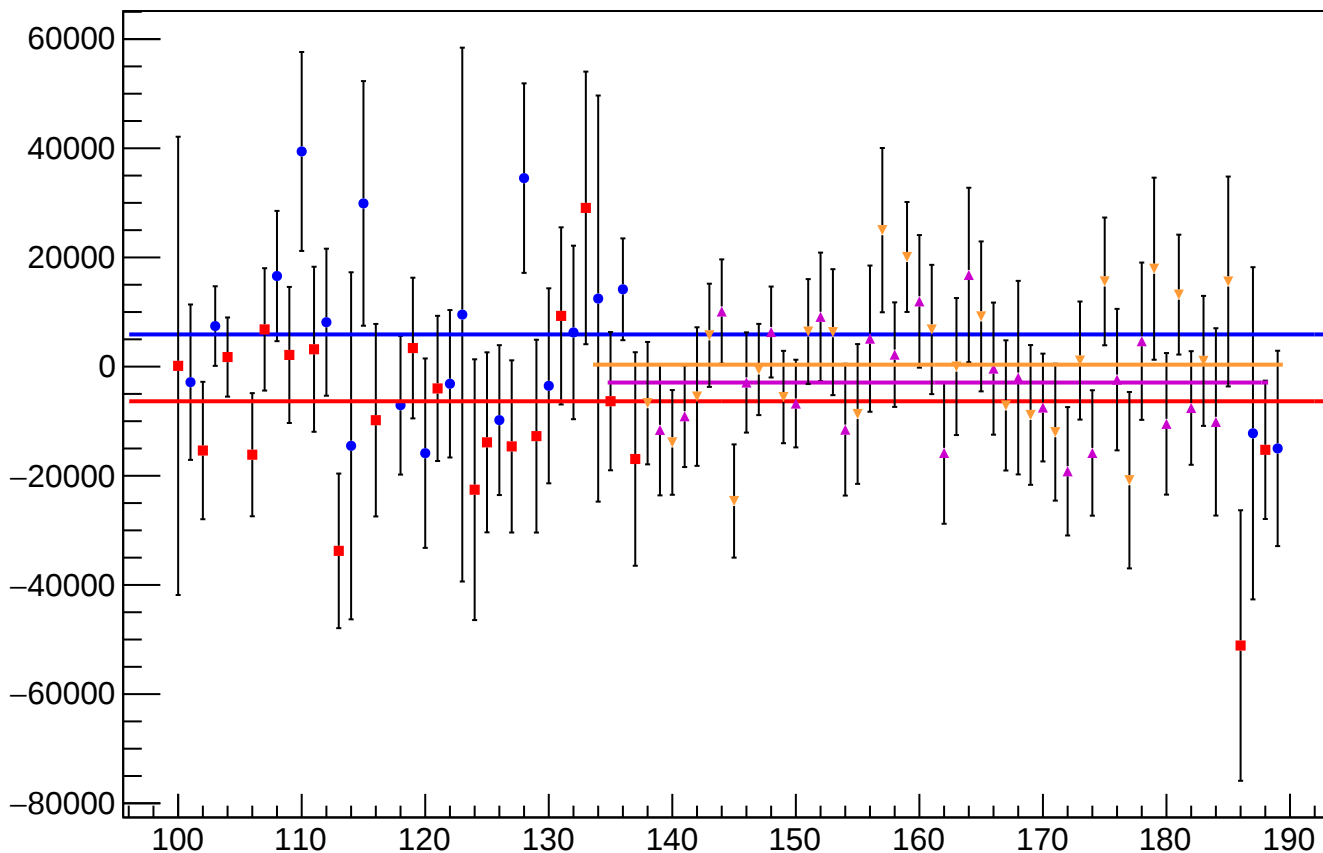
Left In: 9181.254+/-1.586 χ^2 /NDF:1236469.7/22

+ sign 8862.231+/-1.271 χ^2 /NDF: 2193016.2/43

All: 8633.673+/-0.883 χ^2 /NDF: 6309063.6/87

- sign 8420.082+/-1.228 χ^2 /NDF: 4053465.9/43

asym_atr2_mean vs Slug



Right In: 5896.544+/-3336.773 χ^2/NDF : 16.1/18

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

Right Out: -6350.559+/-3054.778 χ^2/NDF : 17.2/20

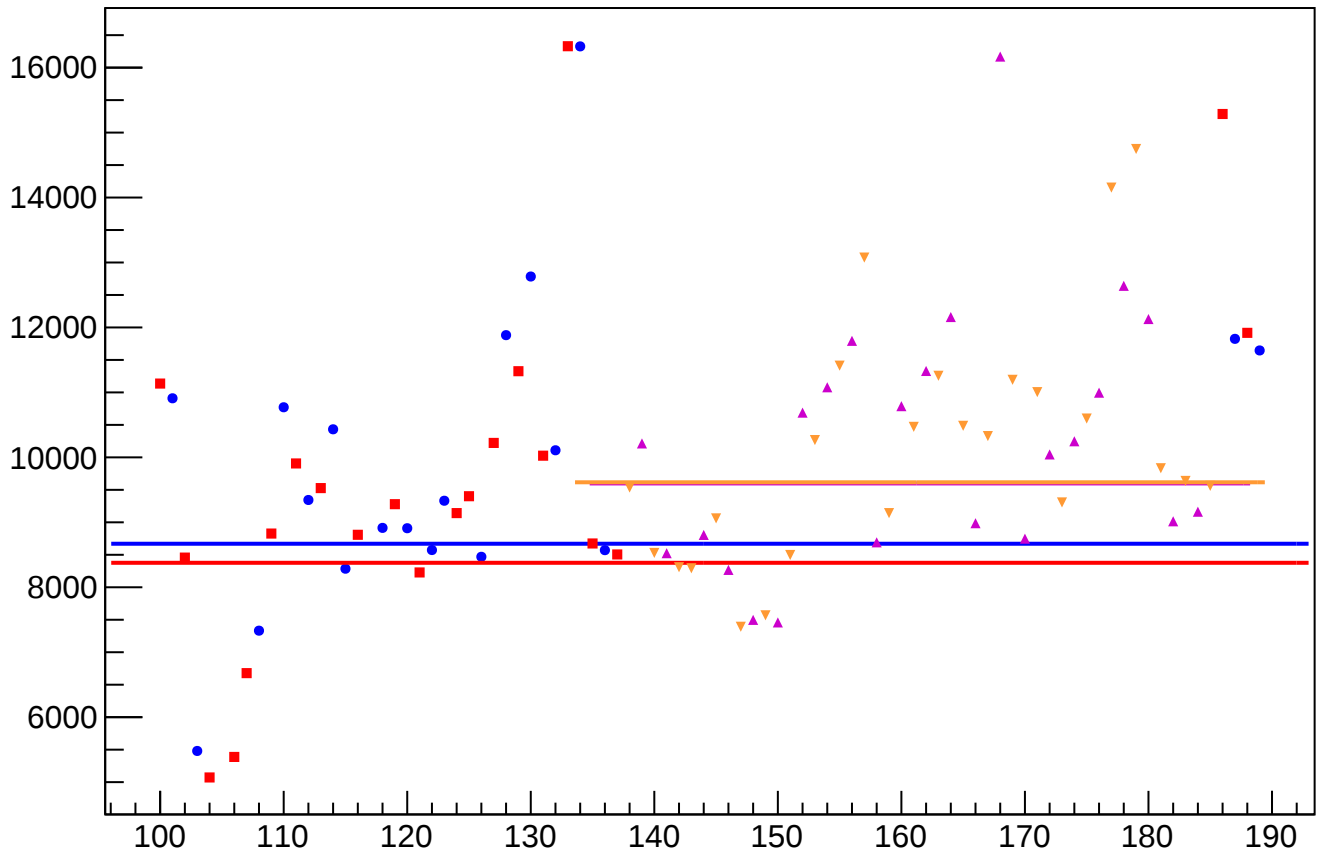
Left In: -2918.356+/-2338.461 χ^2/NDF : 14.9/22

+ sign 2121.062+/-1883.450 χ^2/NDF : 44.2/43

All: -1077.568+/-1322.297 χ^2/NDF : 82.9/87

- sign -4186.503+/-1856.855 χ^2/NDF : 33.0/43

asym_atr2_rms vs Slug



Right In: 8670.168+/-2.359 χ^2/NDF : 850434.8/18

Left Out: 9616.245+/-1.613 χ^2/NDF : 1011665.6/24

Right Out: 8376.822+/-2.160 χ^2/NDF : 1287177.4/20

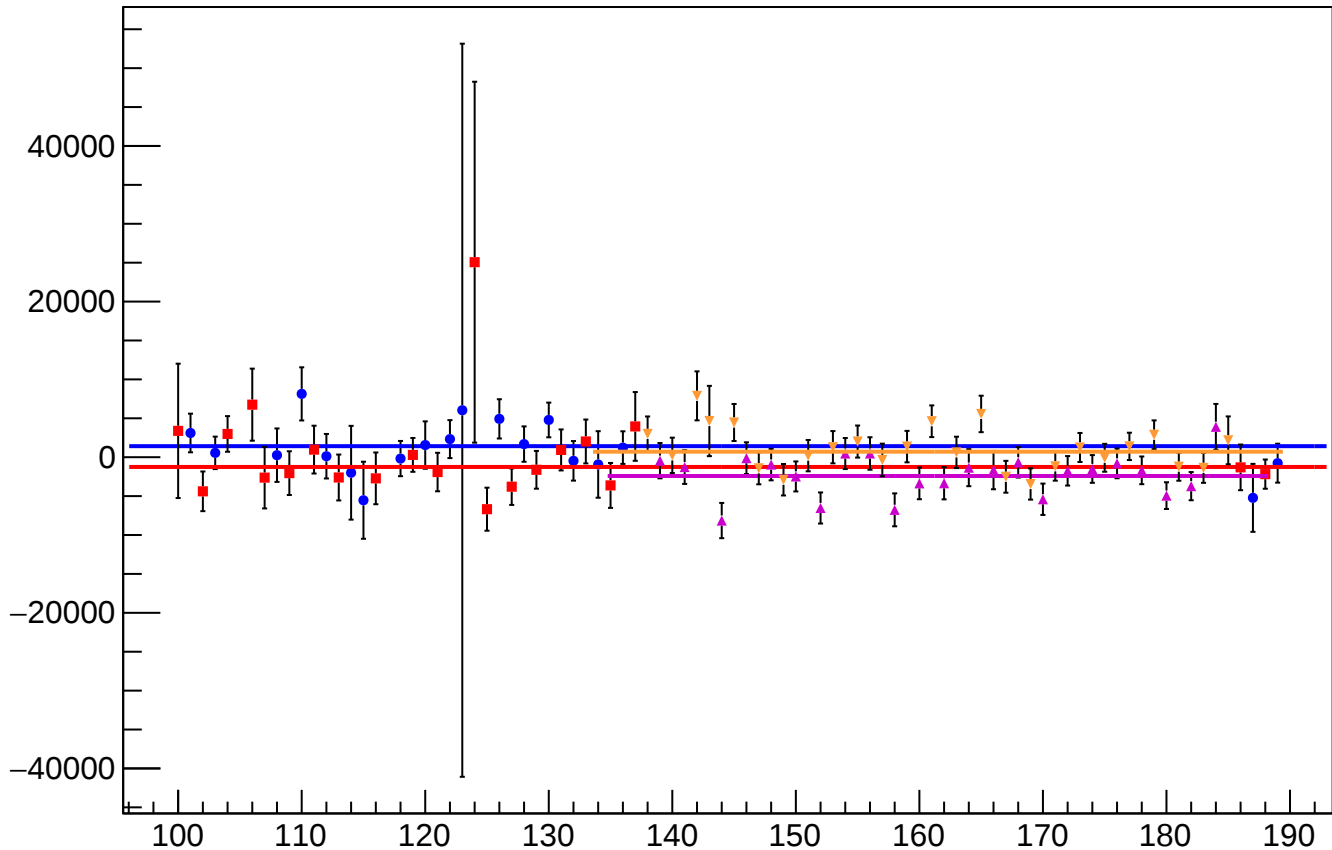
Left In: 9598.531+/-1.654 χ^2/NDF : 1082171.6/22

+ sign 9314.819+/-1.332 χ^2/NDF : 1971654.3/43

All: 9229.770+/-0.935 χ^2/NDF : 4550751.7/87

- sign 9147.109+/-1.313 χ^2/NDF : 2571055.7/43

reg_asym_atl_avg_mean vs Slug



Right In: 1418.219 ± 642.051 χ^2/NDF : 15.9/18

Left Out: 709.722 ± 417.377 χ^2/NDF : 34.8/24

Right Out: -1253.456 ± 619.239 χ^2/NDF : 20.6/20

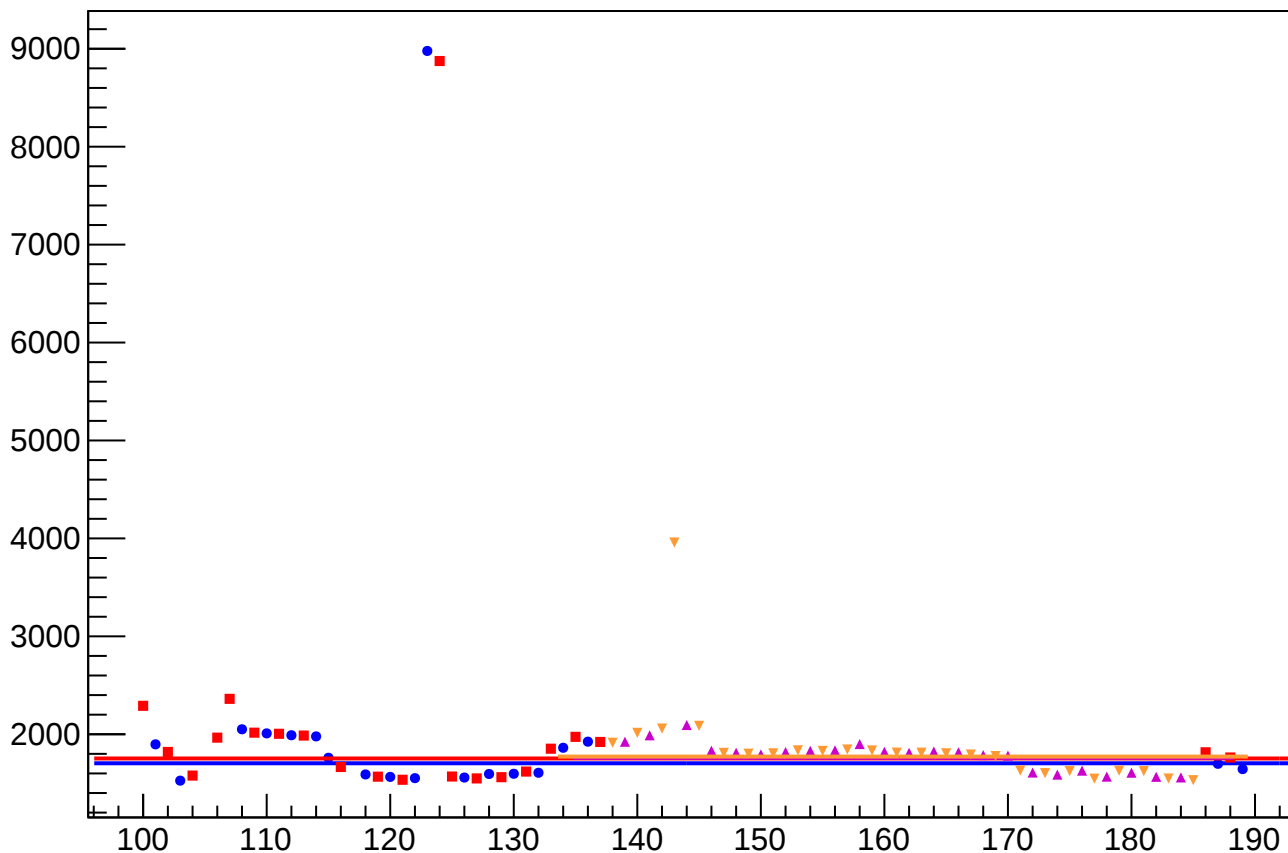
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 920.186 ± 349.936 χ^2/NDF : 51.6/43

All: -563.893 ± 247.306 χ^2/NDF : 144.6/87

- sign -2044.710 ± 349.552 χ^2/NDF : 57.0/43

reg_asym_atl_avg_rms vs Slug



Right In: 1703.787+/-0.454 χ^2/NDF : 196995.8/18

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

Right Out: 1752.649+/-0.436 χ^2/NDF : 397437.1/20

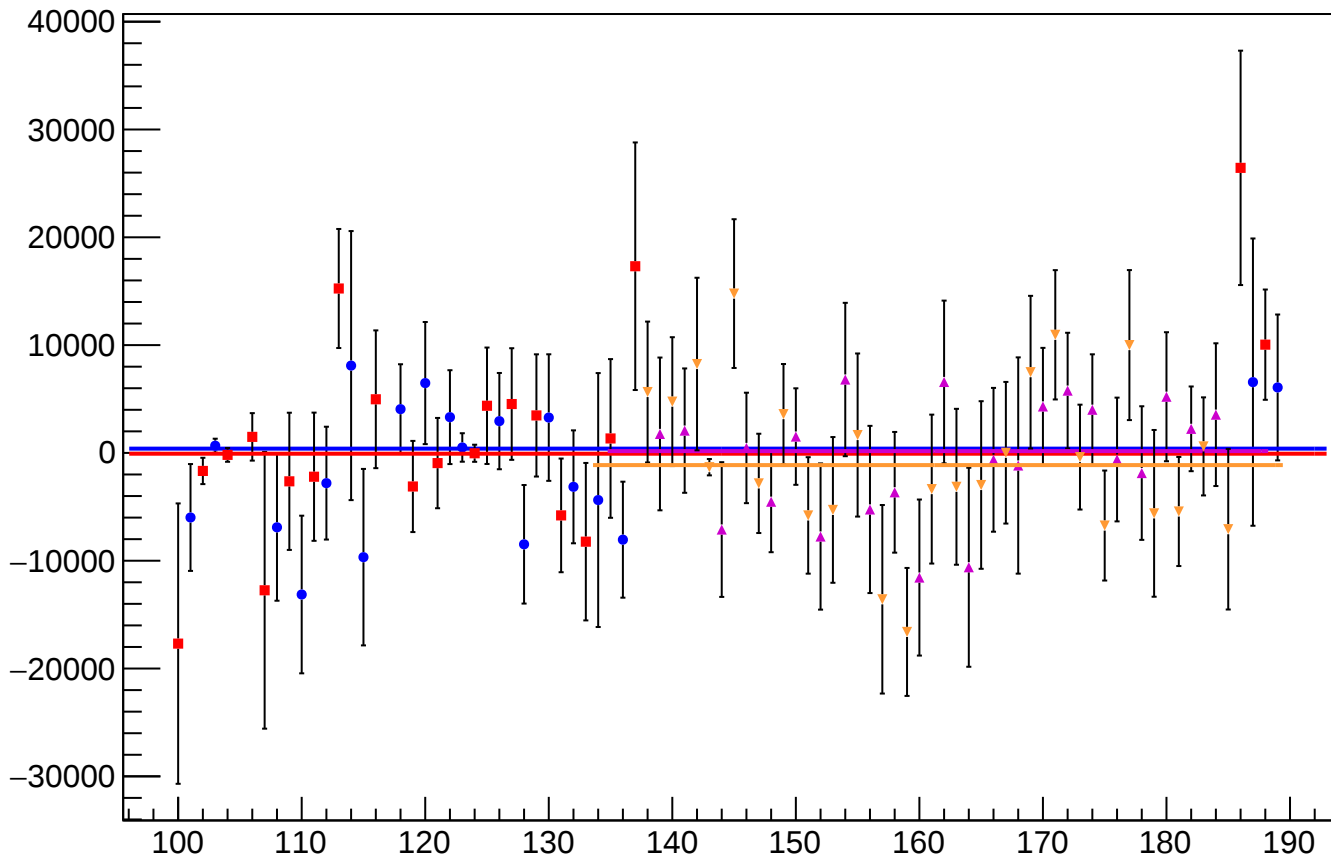
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1751.769+/-0.247 χ^2/NDF : 915358.2/43

All: 1754.578+/-0.175 χ^2/NDF : 1528116.5/87

- sign 1757.373+/-0.247 χ^2/NDF : 612501.2/43

asym_atl_avg_correction_mean vs Slug



Right In: 397.009 $\pm$ 538.506 χ^2 /NDF: 18.2/18

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

Right Out: -73.281 $\pm$ 431.781 χ^2 /NDF: 30.7/20

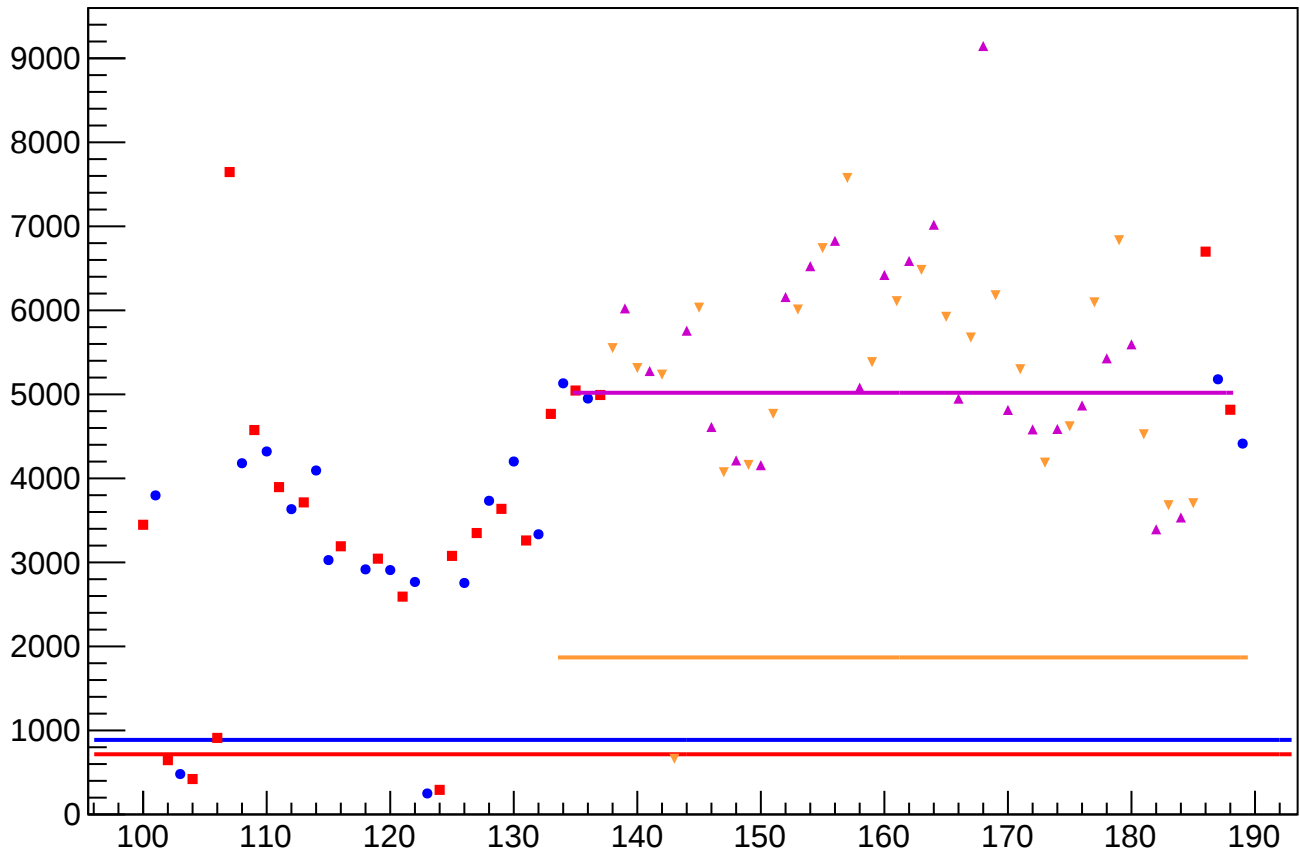
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -227.146 $\pm$ 414.056 χ^2 /NDF: 53.0/43

All: -135.574 $\pm$ 290.435 χ^2 /NDF: 98.0/87

- sign -46.882 $\pm$ 407.495 χ^2 /NDF: 44.9/43

asym_atl_avg_correction_rms vs Slug



Right In: 887.379+/-0.381 χ^2/NDF : 8883356.5/18

Left Out: 1868.983+/-0.458 χ^2/NDF : 19852416.6/24

+ sign 1288.654+/-0.293 χ^2/NDF : 31452385.2/43

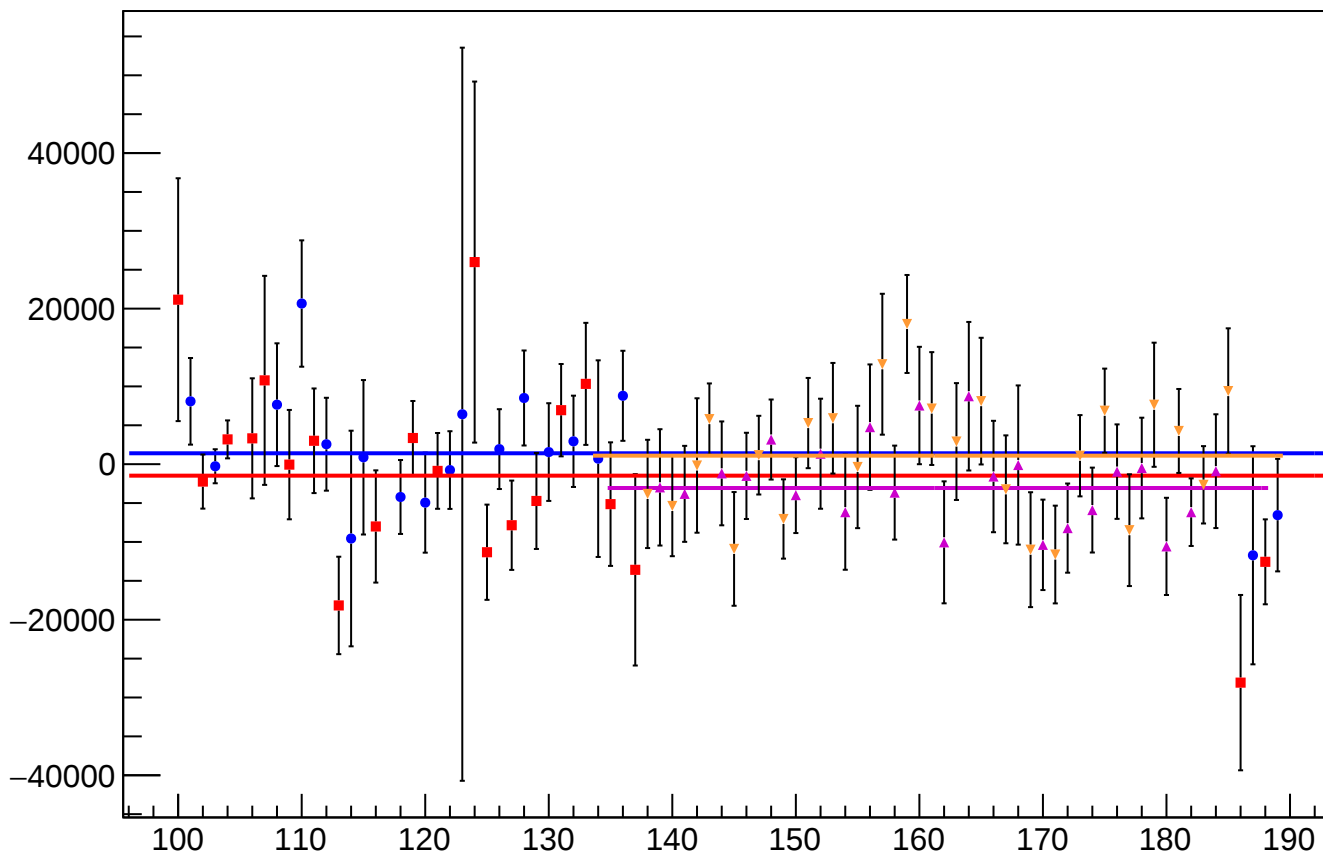
Right Out: 716.376+/-0.305 χ^2/NDF : 10265032.8/20

All: 1236.907+/-0.205 χ^2/NDF : 65061255.5/8

- sign 1186.788+/-0.288 χ^2/NDF : 33547377.7/43

Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

asym_atl_avg_mean vs Slug



Right In: 1400.957+/-1286.690 χ^2/NDF : 16.7/18

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

Right Out: -1476.997+/-1246.308 χ^2/NDF : 37.1/20

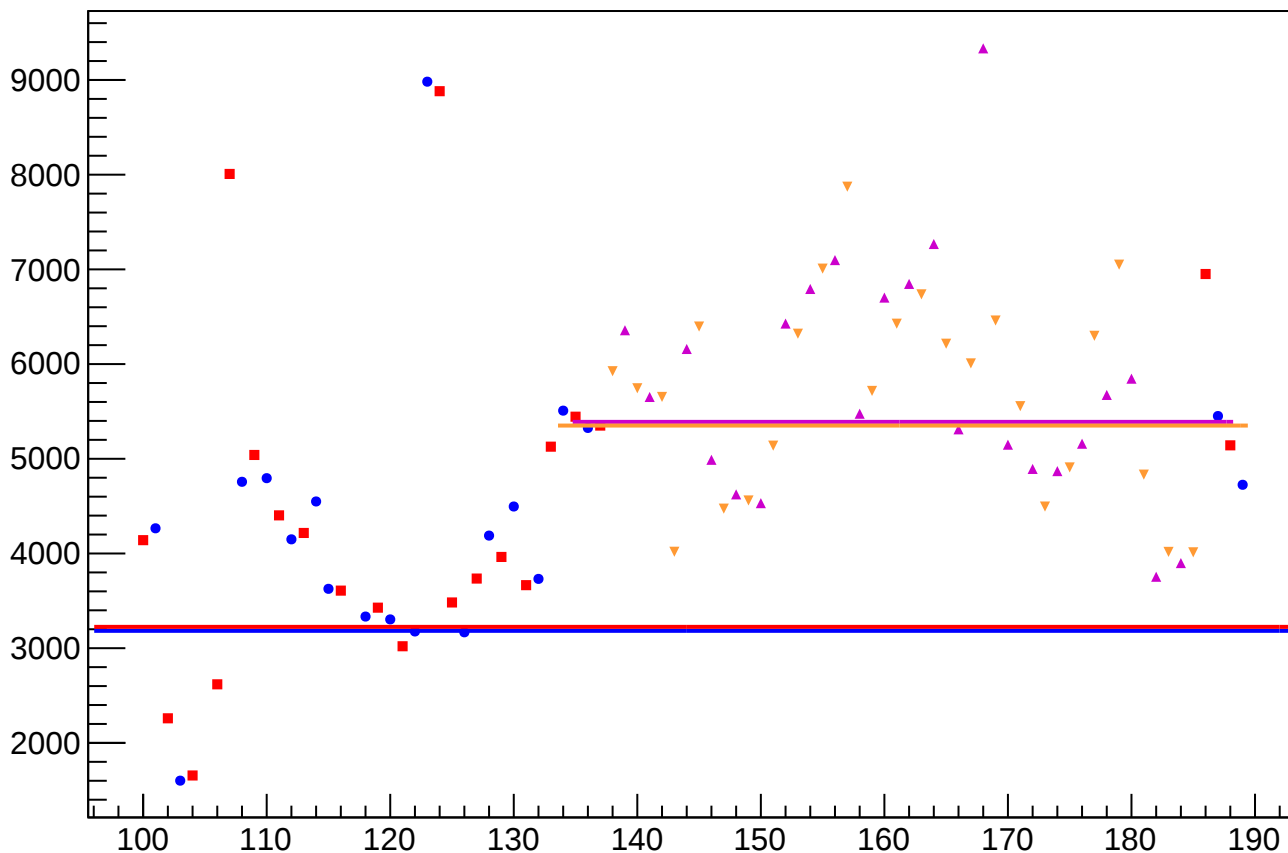
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1246.010+/-904.989 χ^2/NDF : 48.6/43

All: -489.009+/-640.144 χ^2/NDF : 106.5/87

- sign -2226.426+/-905.614 χ^2/NDF : 50.5/43

asym_atl_avg_rms vs Slug



Right In: 3183.326+/-0.910 χ^2/NDF : 2031606.2/18

Left Out: 5350.804+/-0.900 χ^2/NDF :1241497.9/24

Right Out: 3225.236+/-0.869 χ^2/NDF : 2500225.1/20

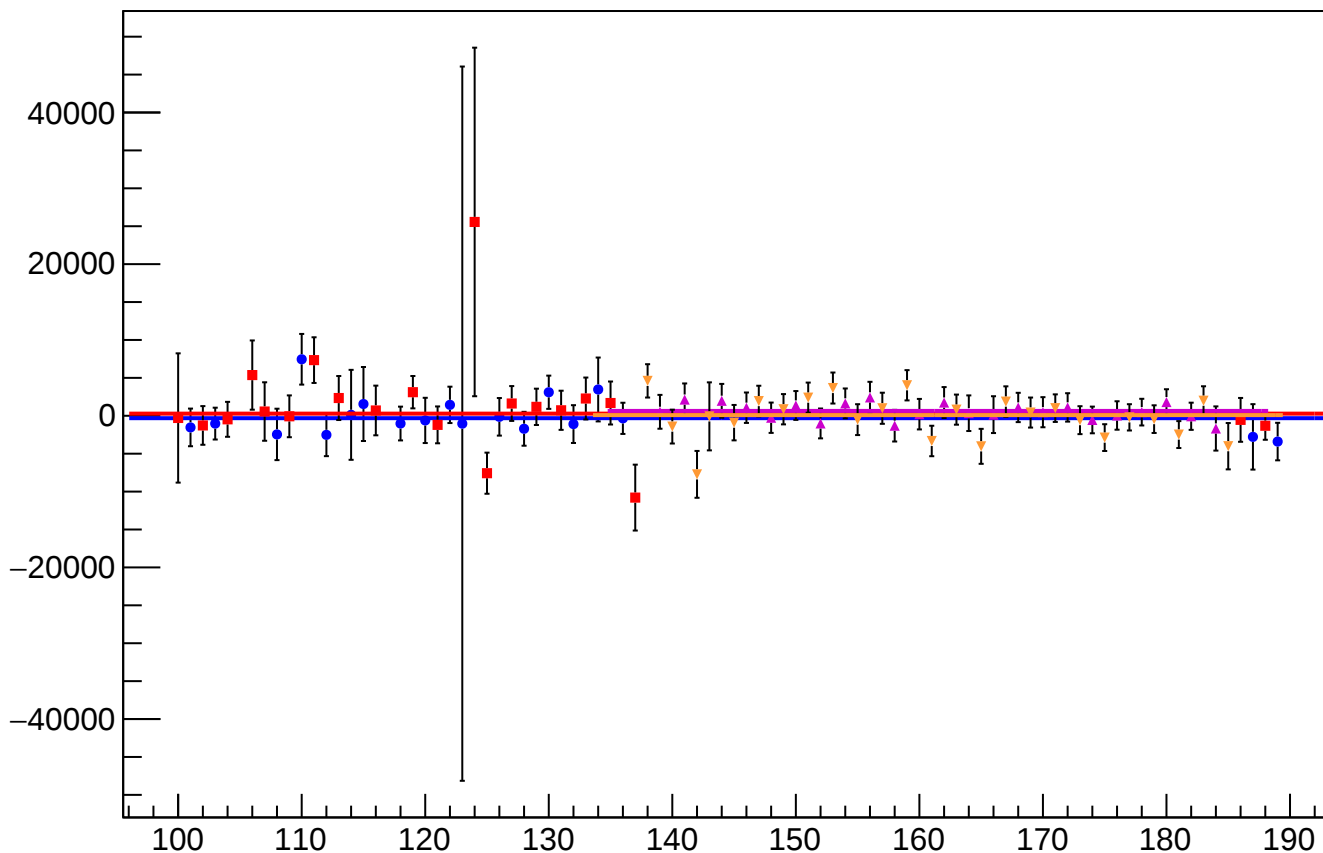
Left In: 5389.724+/-0.932 χ^2/NDF :1309863.0/22

+ sign 4278.555+/-0.640 χ^2/NDF : 6140889.6/43

All: 4255.174+/-0.451 χ^2/NDF : 12837716.2/8

- sign 4232.099+/-0.636 χ^2/NDF : 6694174.0/43

reg_asym_atl_dd_mean vs Slug



Right In: -317.758 ± 633.332 χ^2/NDF : 13.2/18

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

Right Out: 282.023 ± 610.310 χ^2/NDF : 28.1/20

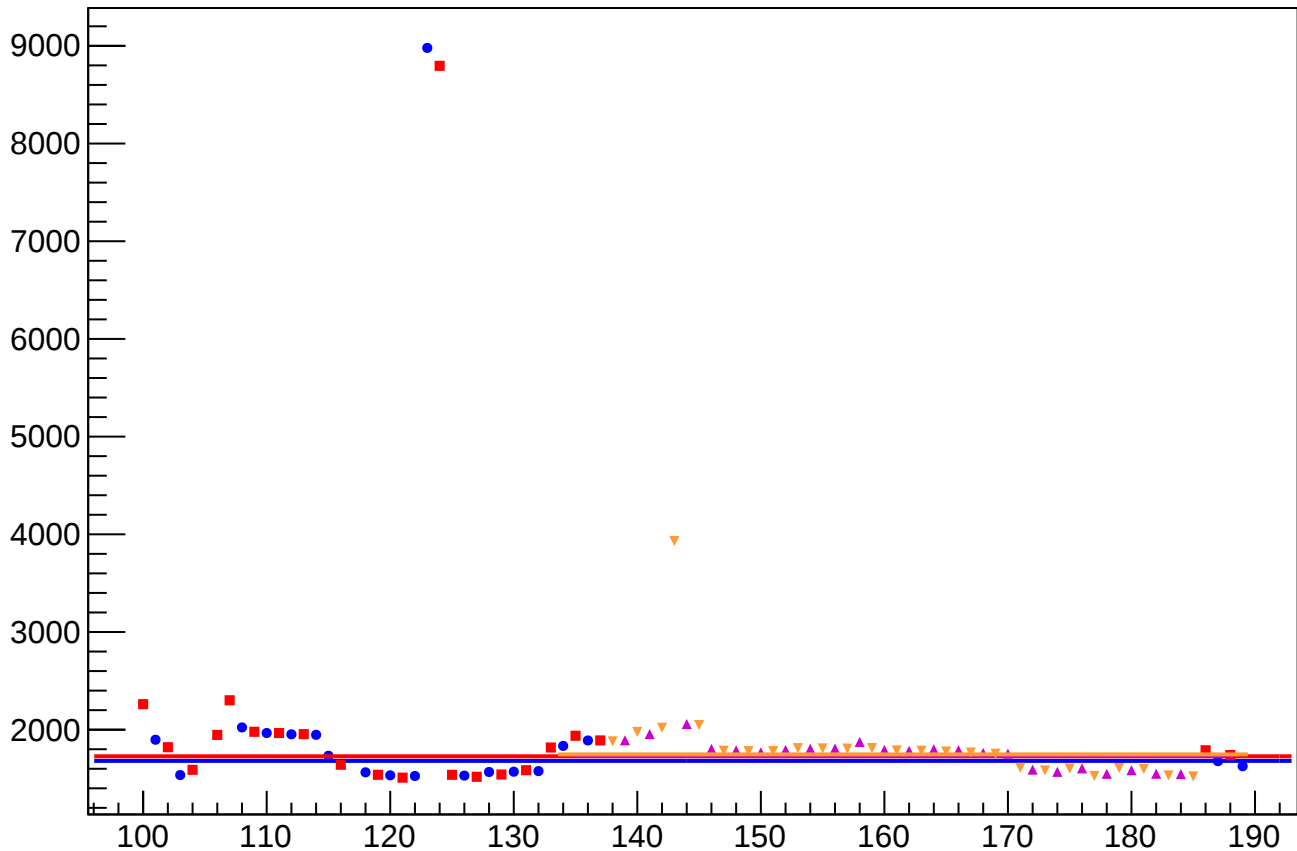
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -33.715 ± 345.079 χ^2/NDF : 49.5/43

All: 246.470 ± 243.862 χ^2/NDF : 85.3/87

- sign 525.988 ± 344.668 χ^2/NDF : 34.5/43

reg_asym_atl_dd_rms vs Slug



Right In: 1680.719 $\pm$ 0.448 χ^2 /NDF: 195050.4/18

Left Out: 1747.320 $\pm$ 0.291 χ^2 /NDF: 698192.3/24

Right Out: 1727.838 $\pm$ 0.430 χ^2 /NDF: 393660.7/20

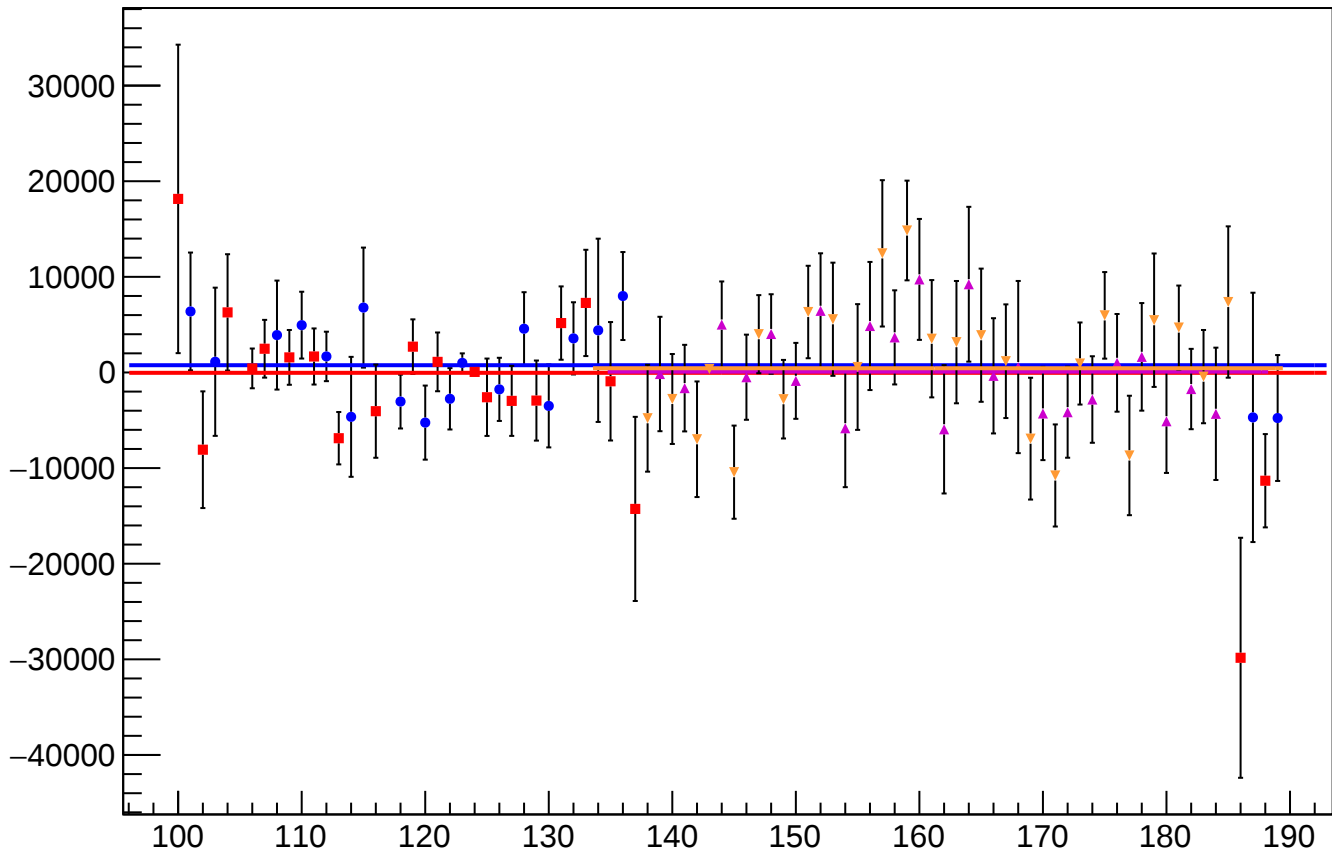
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1727.548 $\pm$ 0.244 χ^2 /NDF: 908793.9/43

All: 1730.316 $\pm$ 0.172 χ^2 /NDF: 1509696.0/87

- sign 1733.071 $\pm$ 0.243 χ^2 /NDF: 600645.4/43

asym_atl_dd_correction_mean vs Slug



Right In: 758.540 ± 701.778 $\chi^2/\text{NDF}: 16.4/18$

Left Out: 442.187 ± 440.335 $\chi^2/\text{NDF}: 33.9/24$

Right Out: -37.157 ± 356.209 $\chi^2/\text{NDF}: 31.8/20$

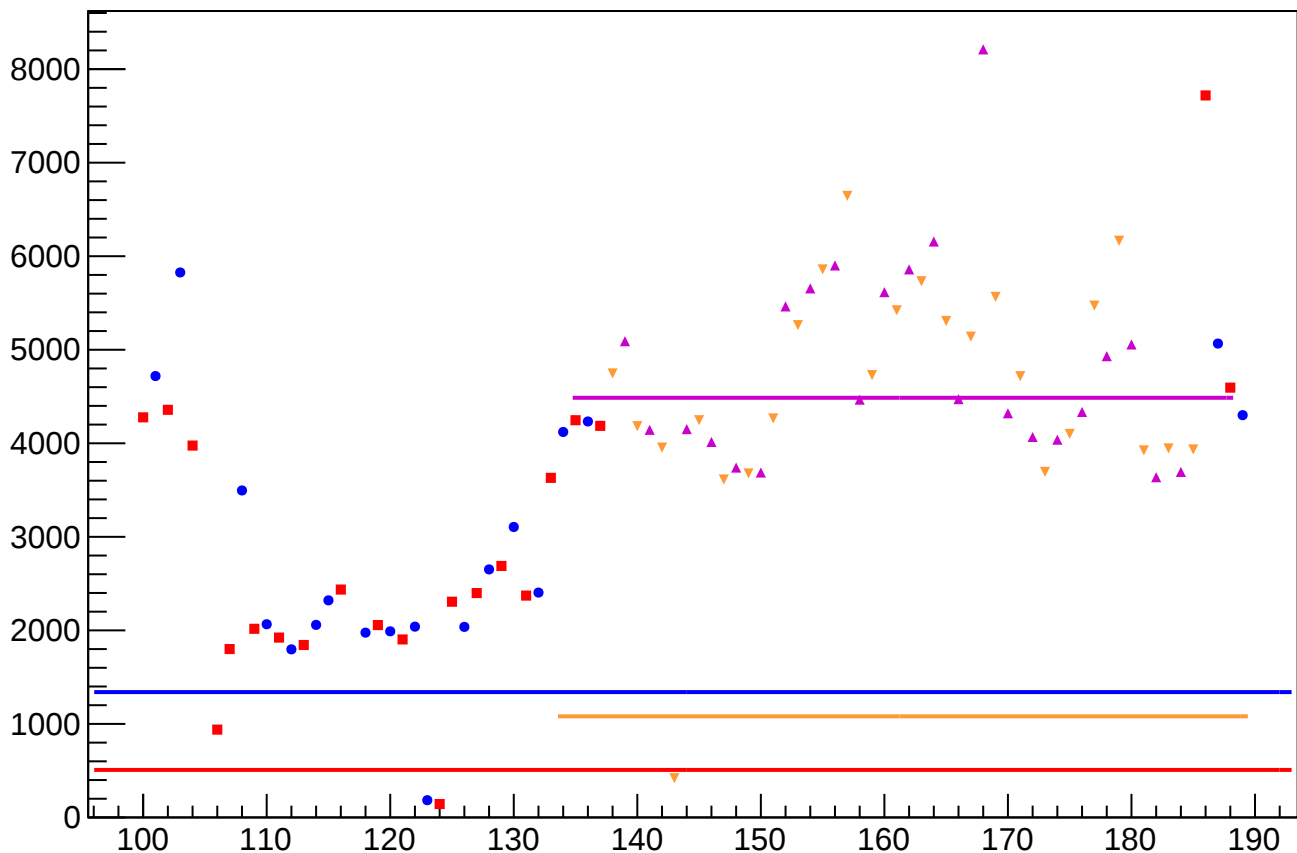
Left In: 88.508 ± 1094.838 $\chi^2/\text{NDF}: 13.4/22$

+ sign 531.552 ± 372.991 $\chi^2/\text{NDF}: 50.5/43$

All: 226.478 ± 250.759 $\chi^2/\text{NDF}: 97.0/87$

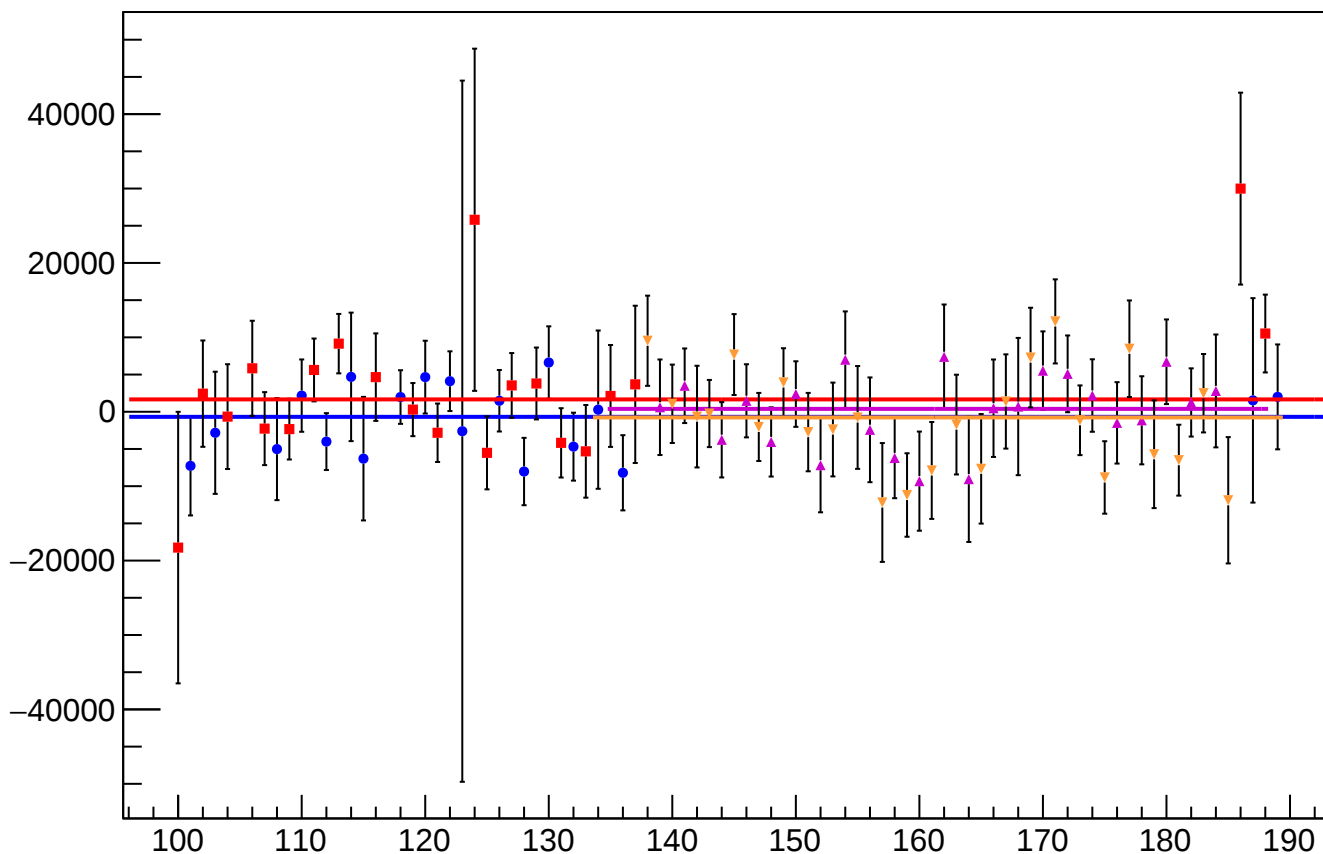
- sign -25.128 ± 338.732 $\chi^2/\text{NDF}: 45.3/43$

asym_atl_dd_correction_rms vs Slug



Right In: 1340.150+/-0.496	χ^2/NDF : 7085479.1/18	+ sign 1154.209+/-0.264	χ^2/NDF : 31737405.5/43
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1008.864+/-0.177	χ^2/NDF : 69546547.6/8
Right Out: 508.172+/-0.252	χ^2/NDF : 12192603.2/20	- sign 888.993+/-0.240	χ^2/NDF : 37254983.7/43
Left In: 4486.570+/-0.774	χ^2/NDF : 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -681.463 ± 1240.529 χ^2/NDF : 14.9/18

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

Right Out: 1661.972 ± 1159.491 χ^2/NDF : 23.6/20

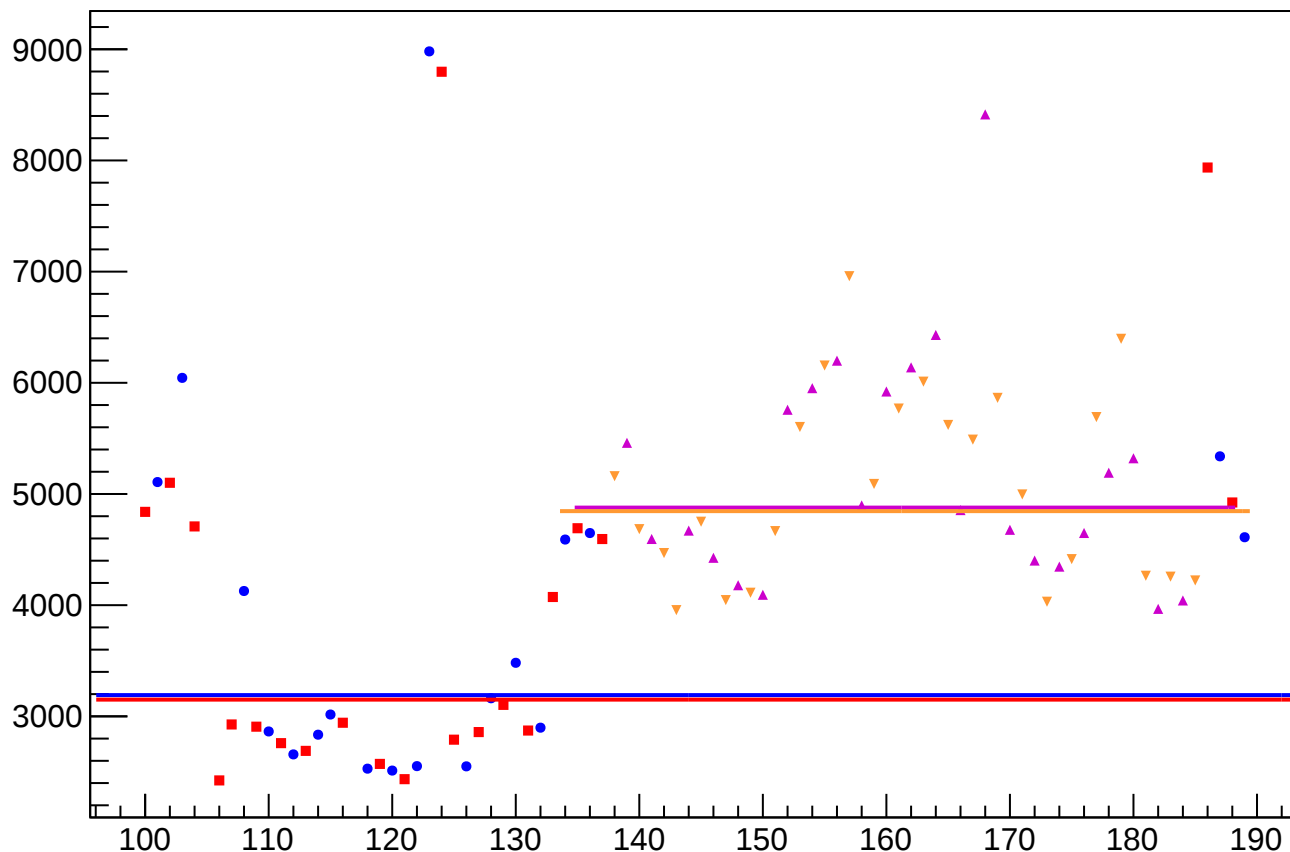
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -727.029 ± 842.325 χ^2/NDF : 44.8/43

All: 170.362 ± 590.919 χ^2/NDF : 85.5/87

- sign 1040.005 ± 829.200 χ^2/NDF : 38.4/43

asym_atl_dd_rms vs Slug



Right In: 3191.100+/-0.877 χ^2/NDF : 1077929.6/18

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

Right Out: 3150.541+/-0.810 χ^2/NDF : 1321216.2/20

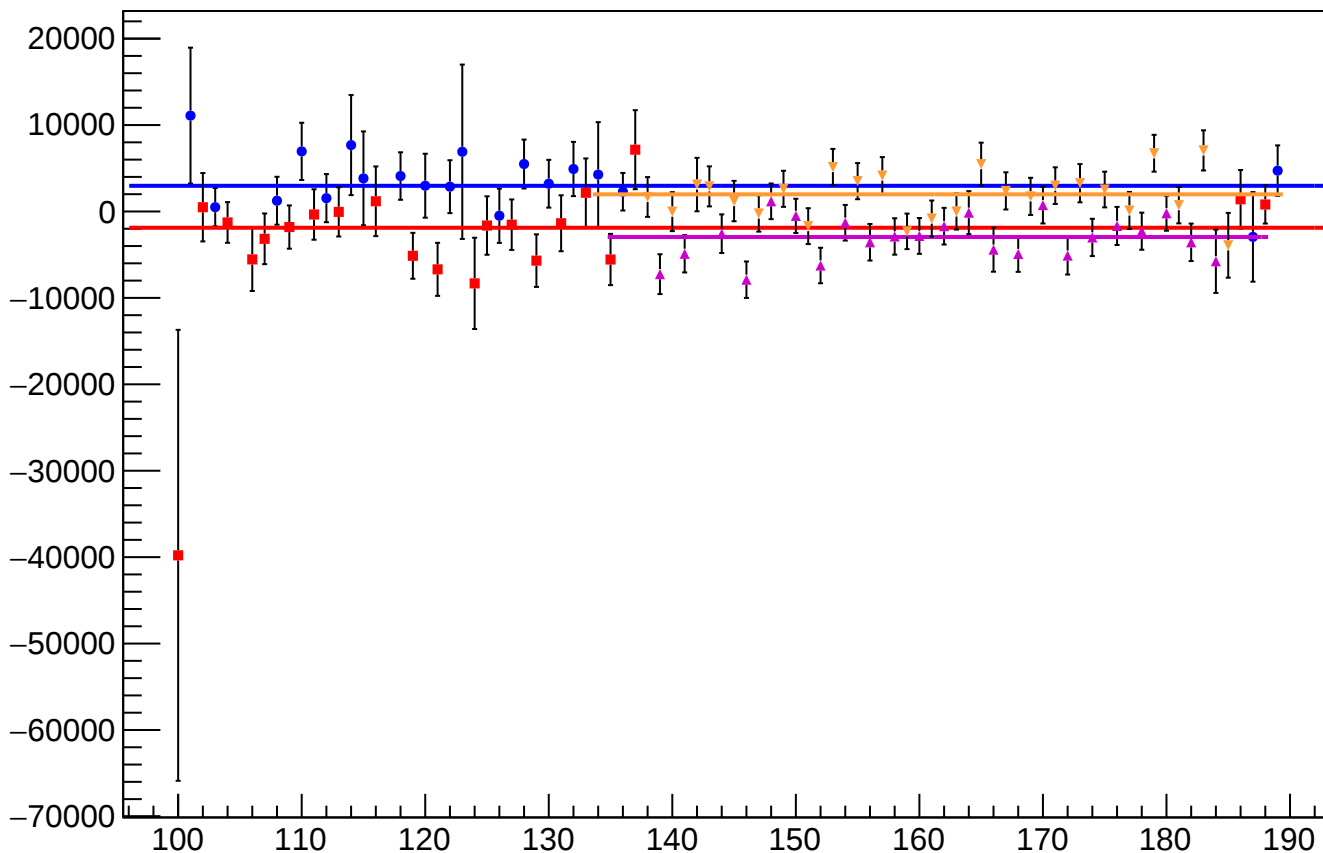
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4082.890+/-0.596 χ^2/NDF : 3904872.6/43

All: 4032.373+/-0.417 χ^2/NDF : 8391488.3/87

- sign 3984.013+/-0.583 χ^2/NDF : 4472535.5/43

reg_asym_atr_avg_mean vs Slug



Right In: 2969.228 $\pm$ 743.698 χ^2 /NDF: 9.6/18

Left Out: 1985.469 $\pm$ 443.190 χ^2 /NDF:32.4/24

Right Out: -1882.807 $\pm$ 688.824 χ^2 /NDF: 21.0/20

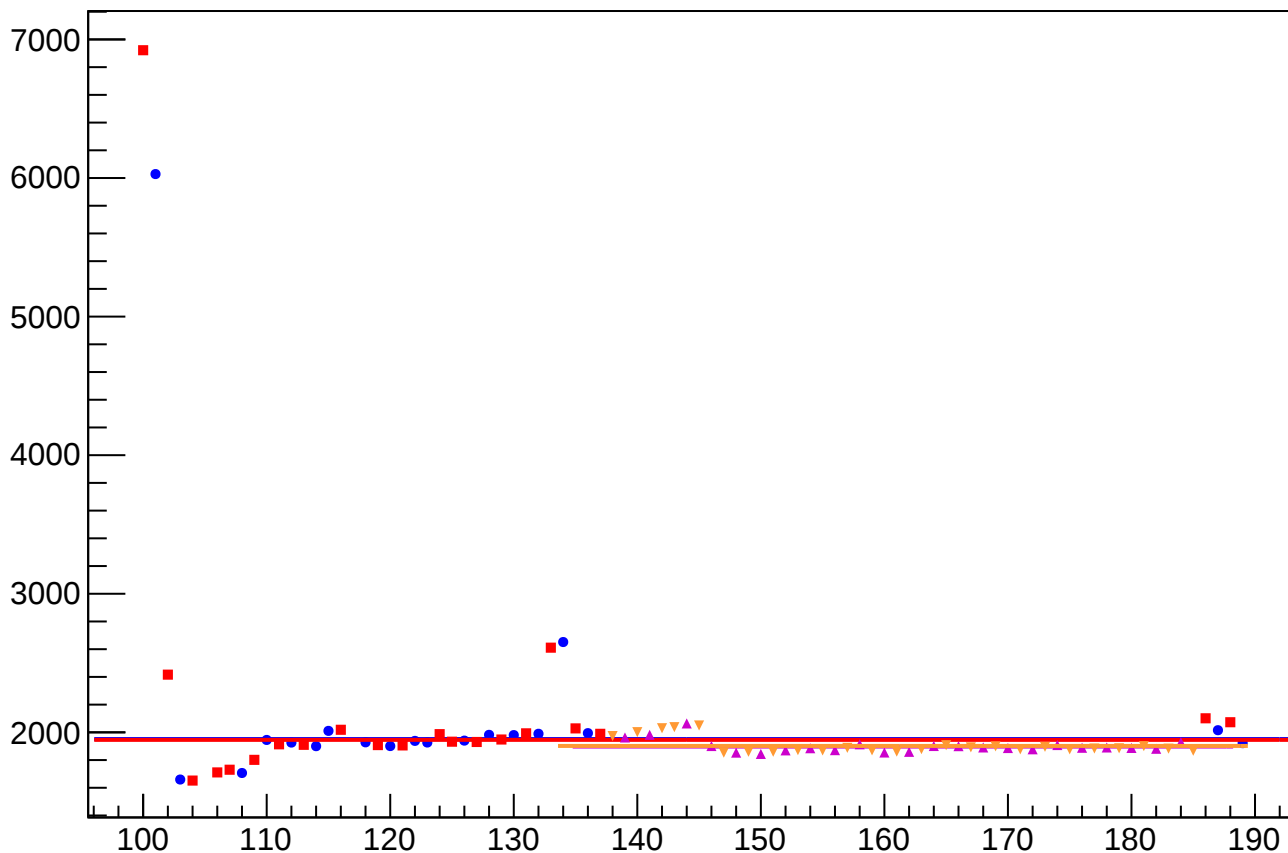
Left In: -2955.900 $\pm$ 454.551 χ^2 /NDF:28.4/22

+ sign 2243.276 $\pm$ 380.714 χ^2 /NDF: 43.4/43

All: -202.033 $\pm$ 268.737 χ^2 /NDF: 176.7/87

- sign -2630.368 $\pm$ 379.391 χ^2 /NDF: 51.1/43

reg_asym_atr_avg_rms vs Slug



Right In: 1951.455+/-0.526 χ^2/NDF : 617898.9/18

Left Out: 1901.884+/-0.313 χ^2/NDF : 30446.9/24

Right Out: 1945.745+/-0.486 χ^2/NDF : 230075.3/20

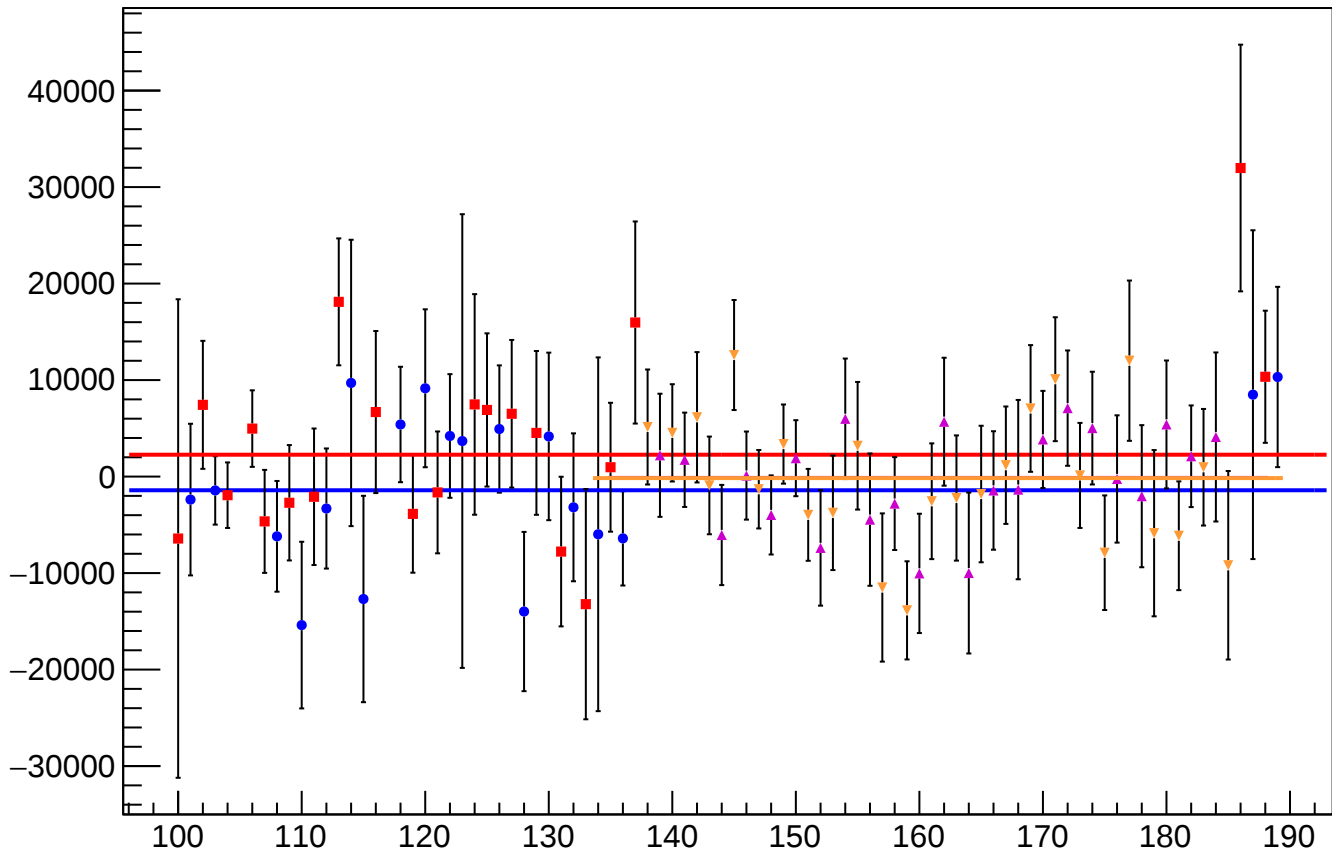
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1914.875+/-0.269 χ^2/NDF : 654903.0/43

All: 1913.505+/-0.190 χ^2/NDF : 913076.7/87

- sign 1912.146+/-0.268 χ^2/NDF : 258122.1/43

asym_atr_avg_correction_mean vs Slug



Right In: -1418.018+/-1631.646 χ^2/NDF : 15.6/18

Left Out: -157.539+/-1165.844 χ^2/NDF : 29.5/24

Right Out: 2266.426+/-1437.081 χ^2/NDF : 25.8/20

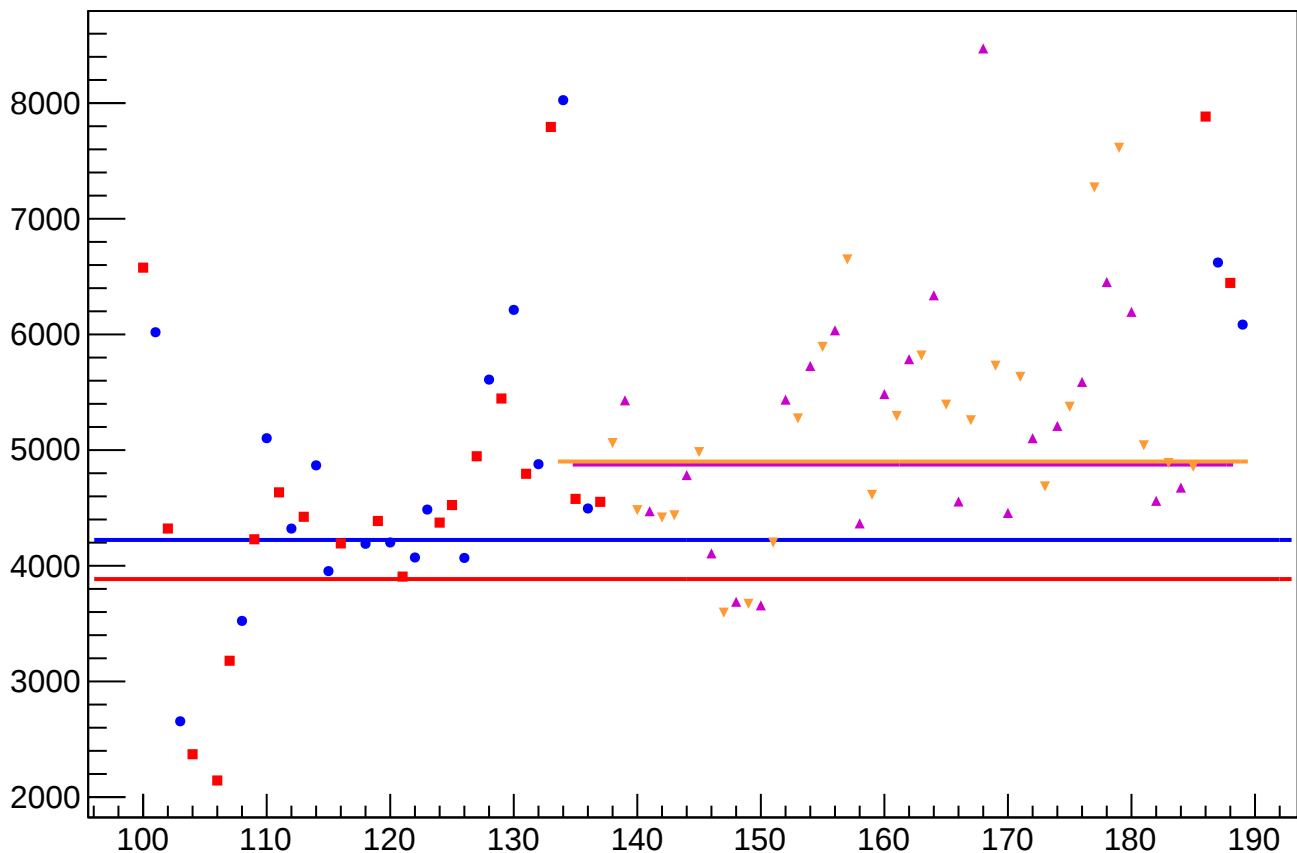
Left In: -139.000+/-1190.889 χ^2/NDF : 14.7/22

+ sign -583.562+/-948.581 χ^2/NDF : 45.5/43

All: 152.513+/-659.284 χ^2/NDF : 88.8/87

- sign 840.330+/-916.959 χ^2/NDF : 42.2/43

asym_atr_avg_correction_rms vs Slug



Right In: 4223.310+/-1.154 χ^2/NDF : 942064.6/18

Left Out: 4901.357+/-0.824 χ^2/NDF : 1136916.0/24

Right Out: 3885.153+/-1.016 χ^2/NDF : 1779612.0/20

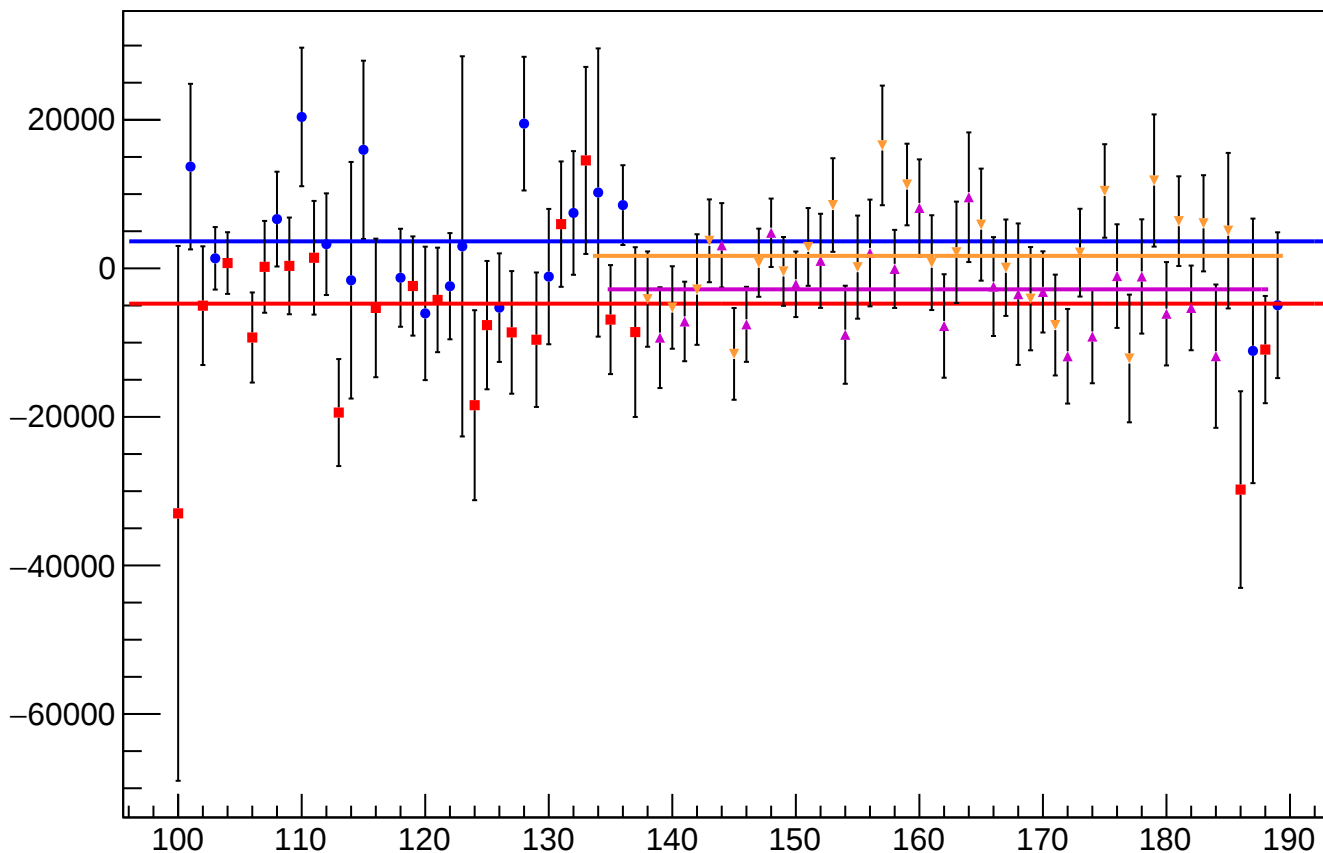
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4672.187+/-0.671 χ^2/NDF : 2307627.5/43

All: 4568.736+/-0.466 χ^2/NDF : 5925129.9/87

- sign 4472.066+/-0.648 χ^2/NDF : 3571486.3/43

asym_atr_avg_mean vs Slug



Right In: 3638.494+/-1833.085 χ^2/NDF : 15.6/18

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -4751.933+/-1667.519 χ^2/NDF : 19.3/20

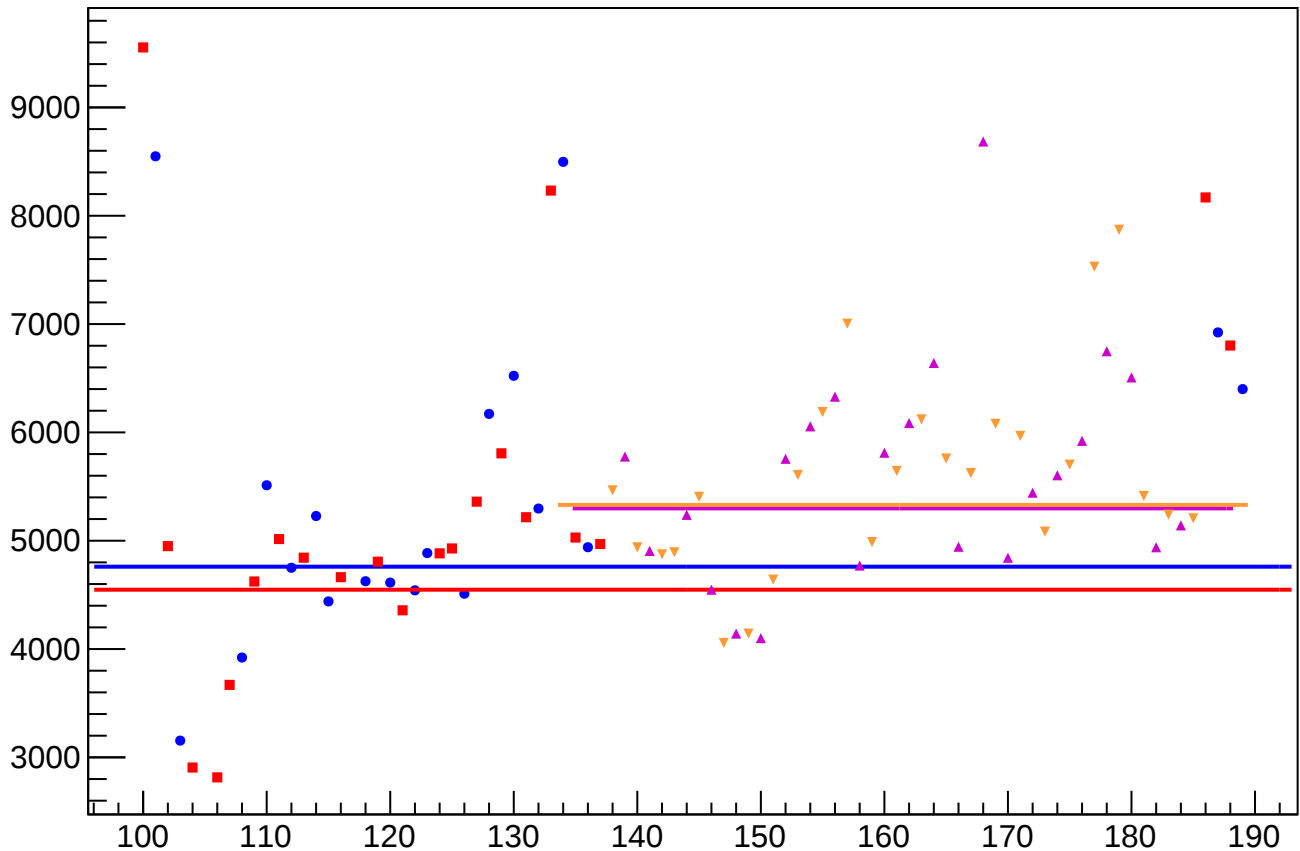
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2313.971+/-1039.281 χ^2/NDF : 41.8/43

All: -671.565+/-727.803 χ^2/NDF : 96.2/87

- sign -3544.755+/-1019.539 χ^2/NDF : 38.2/43

asym_atr_avg_rms vs Slug



Right In: 4760.324+/-1.296 χ^2/NDF : 872336.6/18

Left Out: 5330.725+/-0.892 χ^2/NDF : 868061.7/24

Right Out: 4547.734+/-1.173 χ^2/NDF : 1202209.8/20

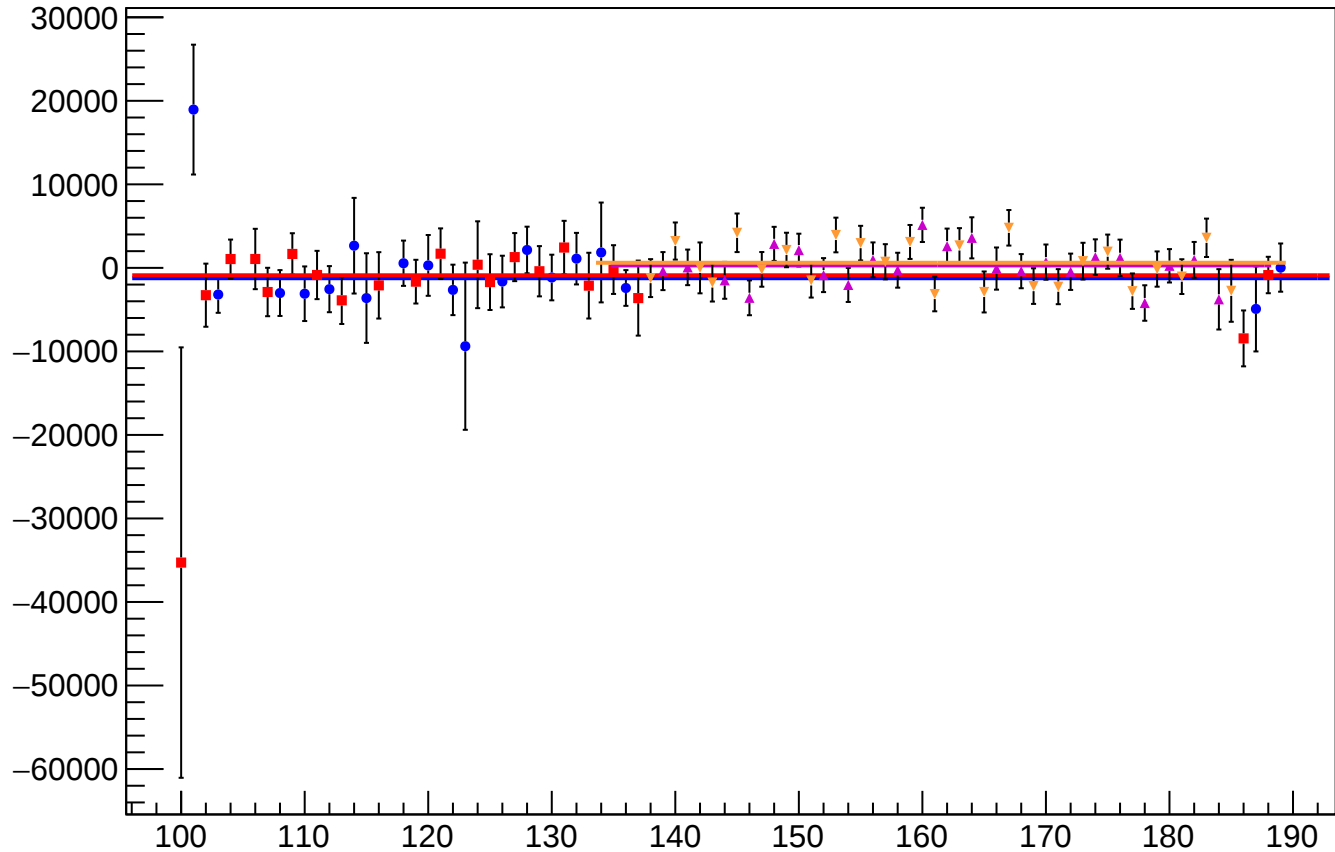
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5147.375+/-0.735 χ^2/NDF : 1871803.5/43

All: 5080.210+/-0.514 χ^2/NDF : 4301861.4/87

- sign 5015.835+/-0.719 χ^2/NDF : 2413698.6/43

reg_asym_atr_dd_mean vs Slug



Right In: -1239.174+/-733.934 χ^2/NDF : 14.0/18

Left Out: 612.314+/-438.264 χ^2/NDF : 32.7/24

Right Out: -887.128+/-679.875 χ^2/NDF : 14.2/20

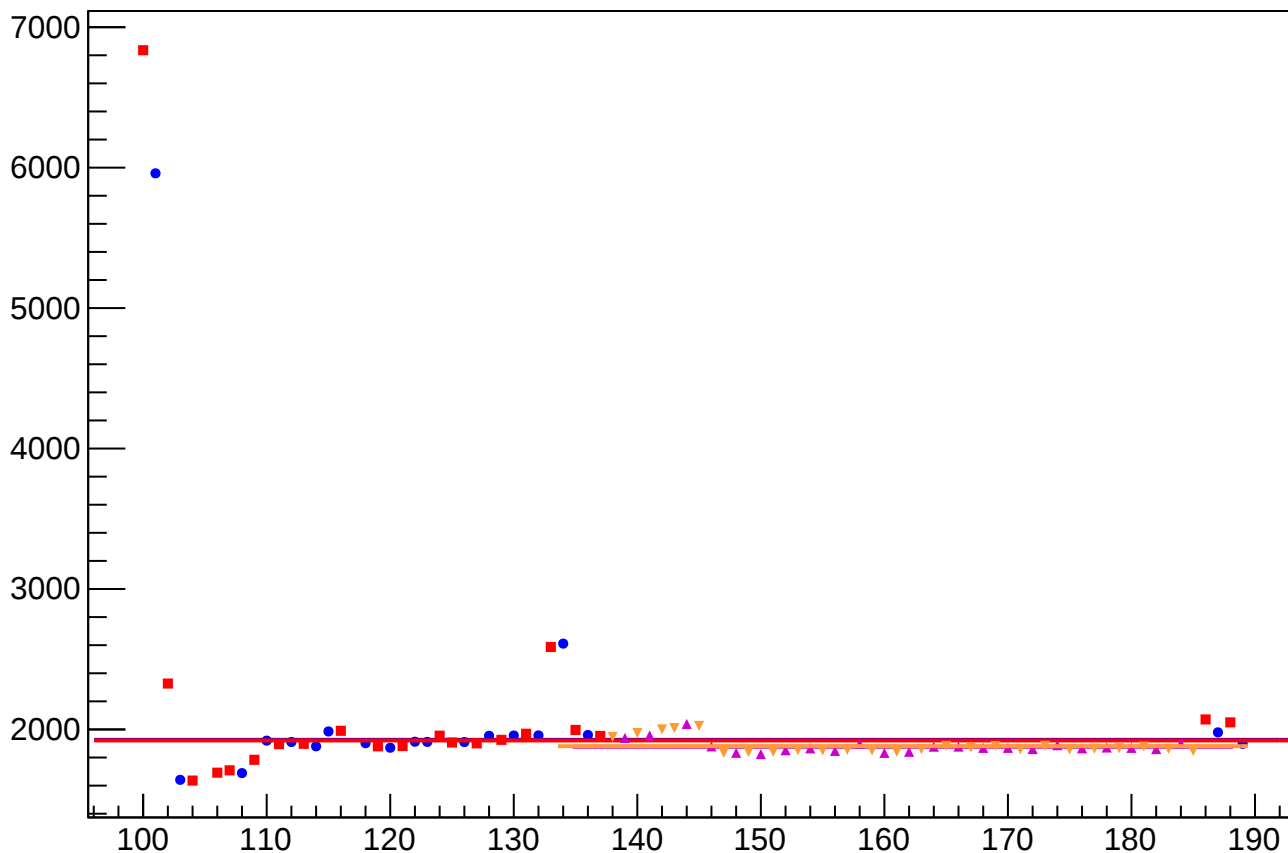
Left In: 293.009+/-449.575 χ^2/NDF : 23.6/22

+ sign 125.646+/-376.282 χ^2/NDF : 51.4/43

All: 29.481+/-265.618 χ^2/NDF : 91.4/87

- sign -66.031+/-375.002 χ^2/NDF : 39.9/43

reg_asym_atr_dd_rms vs Slug



Right In: 1925.873+/-0.519 χ^2/NDF : 616318.5/18

Left Out: 1880.808+/-0.310 χ^2/NDF : 28655.5/24

Right Out: 1921.701+/-0.480 χ^2/NDF : 223673.7/20

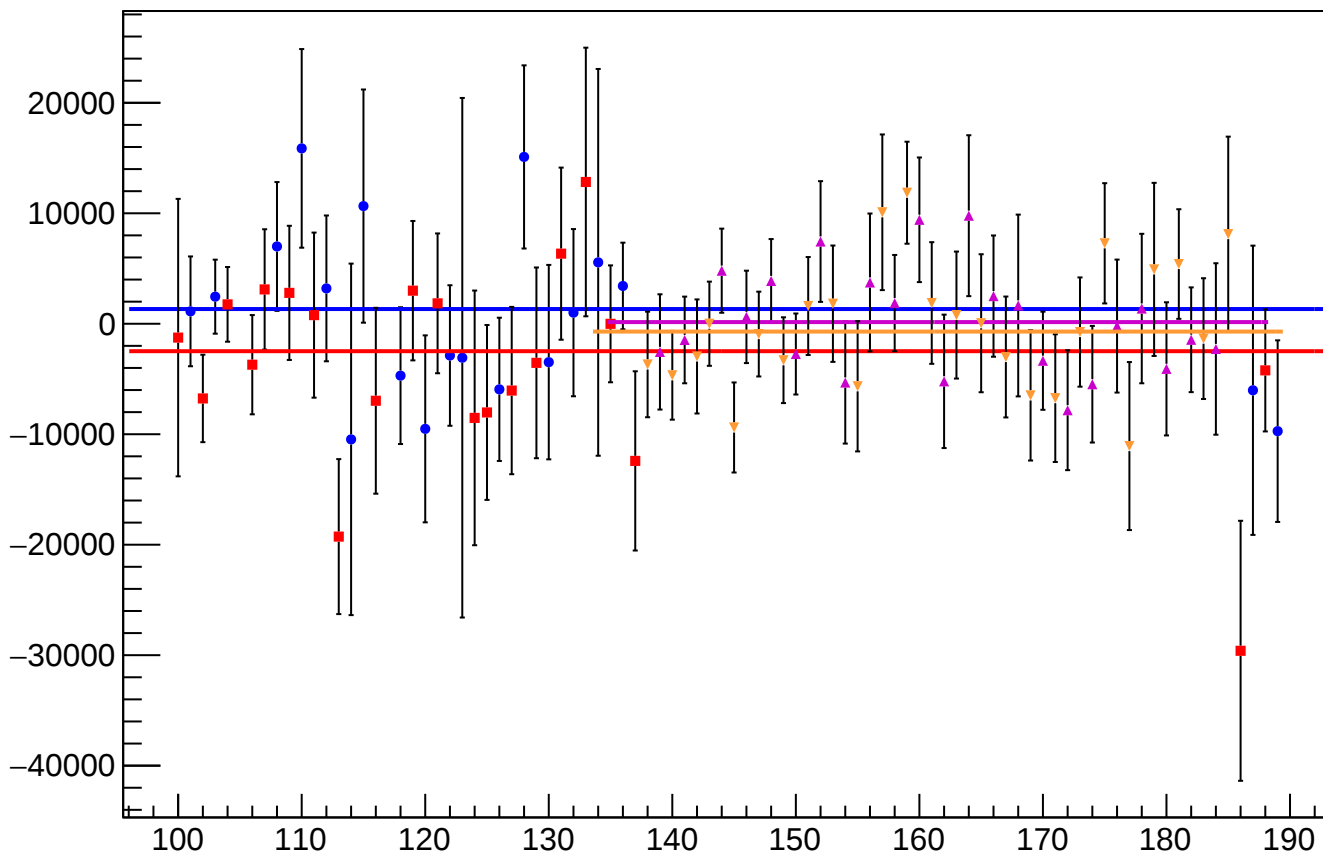
Left In: 1876.685+/-0.318 χ^2/NDF : 20499.7/22

+ sign 1892.653+/-0.266 χ^2/NDF : 650532.2/43

All: 1891.531+/-0.188 χ^2/NDF : 900858.4/87

- sign 1890.418+/-0.265 χ^2/NDF : 250290.7/43

asym_atr_dd_correction_mean vs Slug



Right In: 1332.130 $\pm$ 1522.207 χ^2 /NDF: 14.9/18

Left Out: -707.785 $\pm$ 1017.719 χ^2 /NDF:27.1/24

Right Out: -2483.277 $\pm$ 1362.127 χ^2 /NDF: 23.1/20

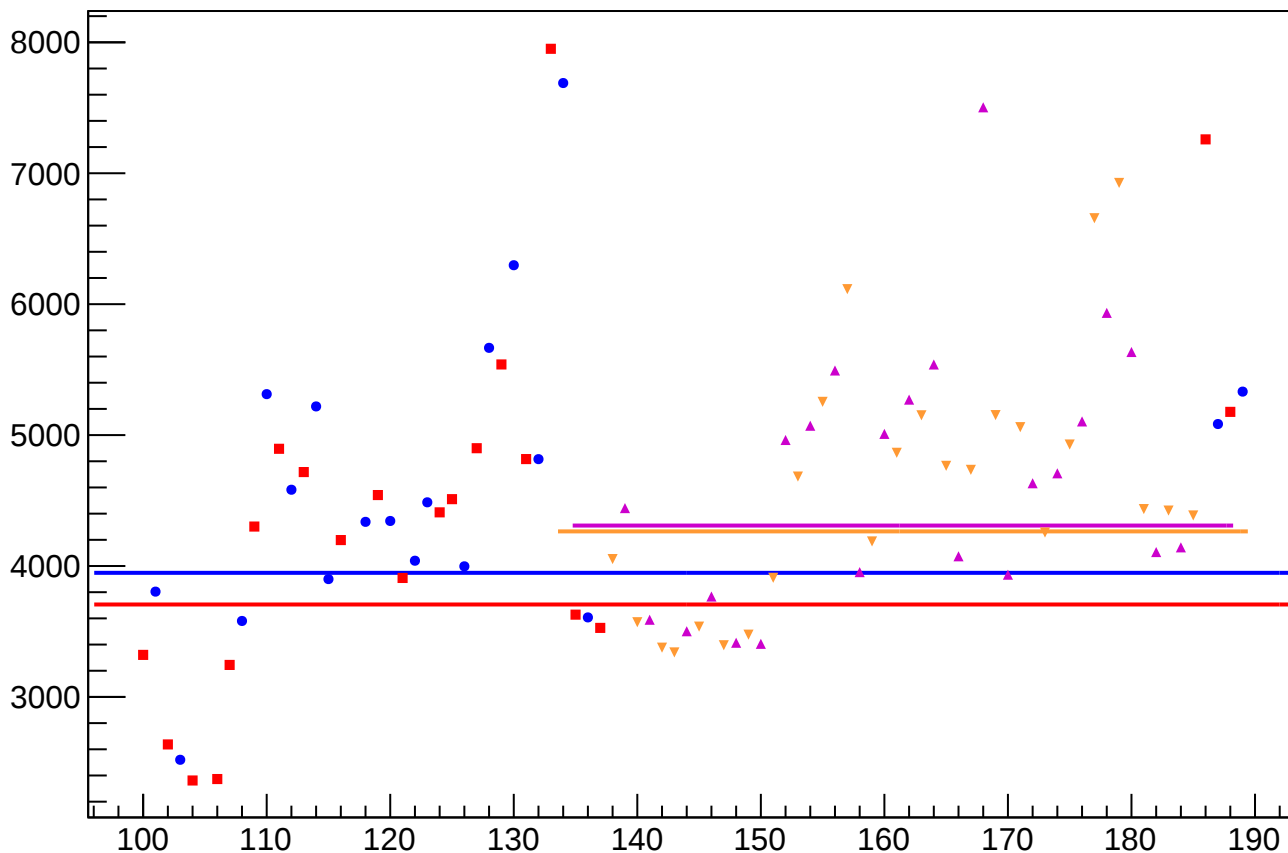
Left In: 150.495 $\pm$ 1053.655 χ^2 /NDF:16.9/22

+ sign -77.624 $\pm$ 846.045 χ^2 /NDF: 43.3/43

All: -462.251 $\pm$ 593.728 χ^2 /NDF: 86.0/87

- sign -835.479 $\pm$ 833.415 χ^2 /NDF: 42.3/43

asym_atr_dd_correction_rms vs Slug



Right In: 3947.916+/-1.076 χ^2/NDF : 897359.3/18

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 3706.087+/-0.963 χ^2/NDF : 1587818.4/20

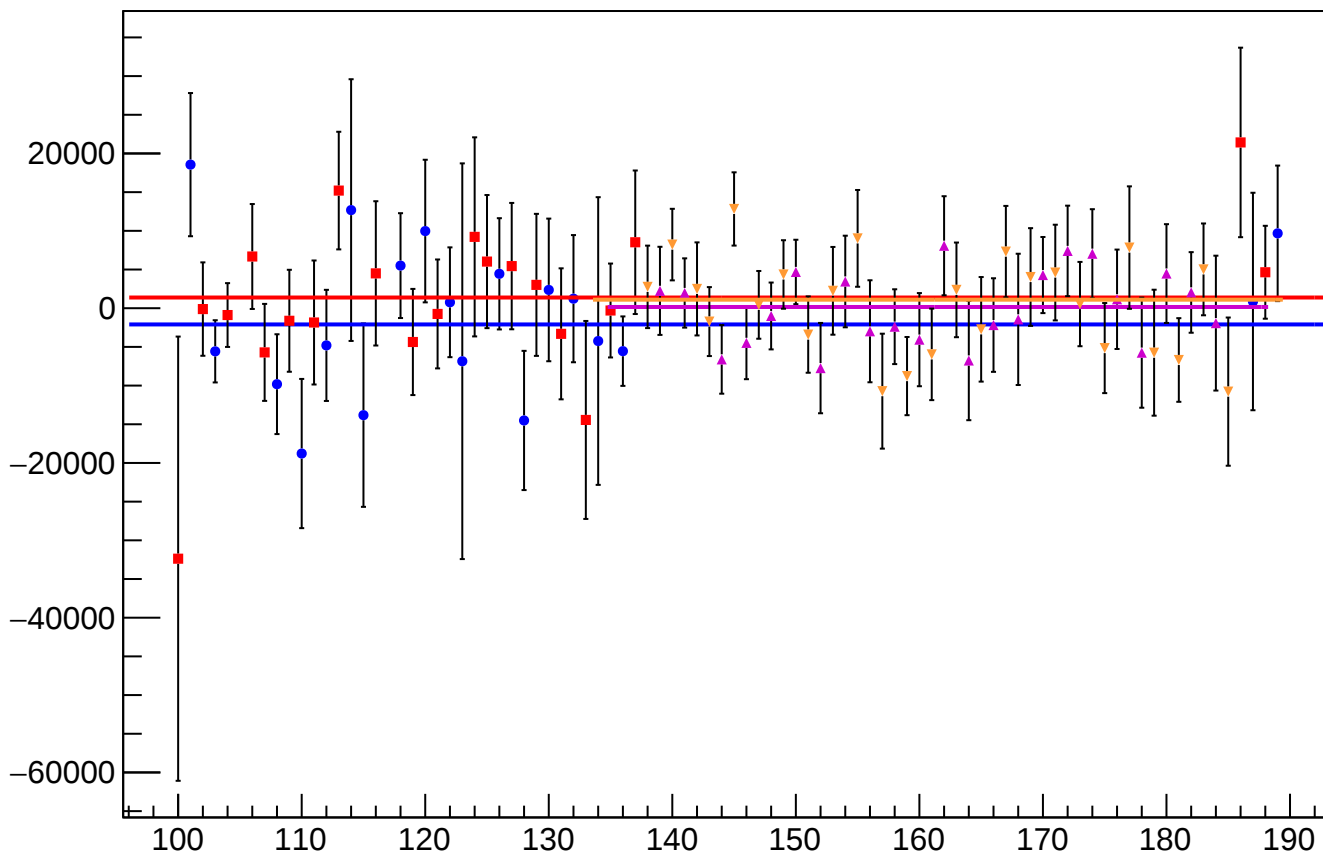
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4166.656+/-0.598 χ^2/NDF : 2312019.9/43

All: 4124.359+/-0.420 χ^2/NDF : 5459996.8/87

- sign 4083.316+/-0.589 χ^2/NDF : 3138127.6/43

asym_atr_dd_mean vs Slug



Right In: -2096.938 ± 1761.729 χ^2/NDF : 20.8/18

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1382.448 ± 1615.412 χ^2/NDF : 14.6/20

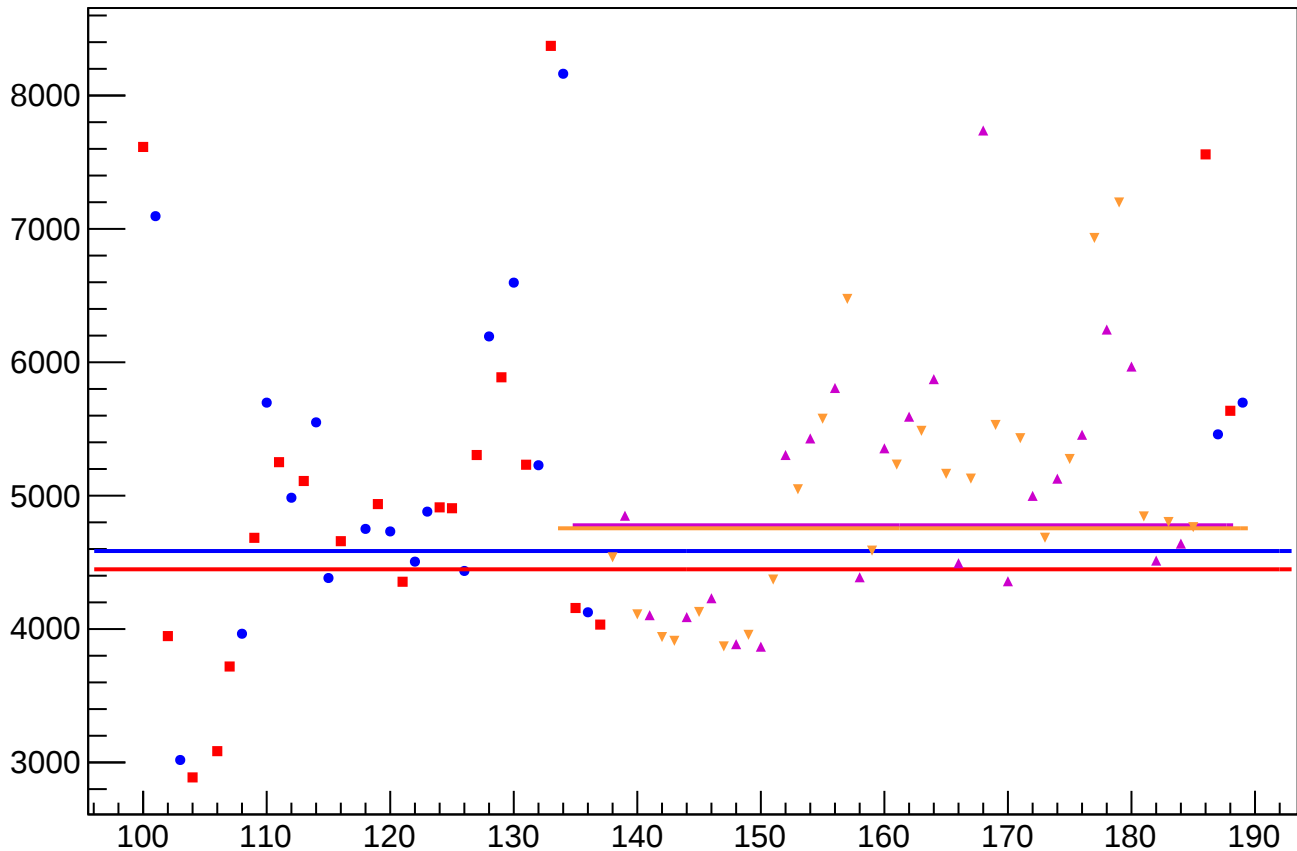
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 173.587 ± 949.162 χ^2/NDF : 51.7/43

All: 375.964 ± 668.985 χ^2/NDF : 82.3/87

- sign 575.739 ± 943.043 χ^2/NDF : 30.6/43

asym_atr_dd_rms vs Slug



Right In: 4585.019+/-1.246 χ^2/NDF : 818980.5/18

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 4447.899+/-1.136 χ^2/NDF : 996966.8/20

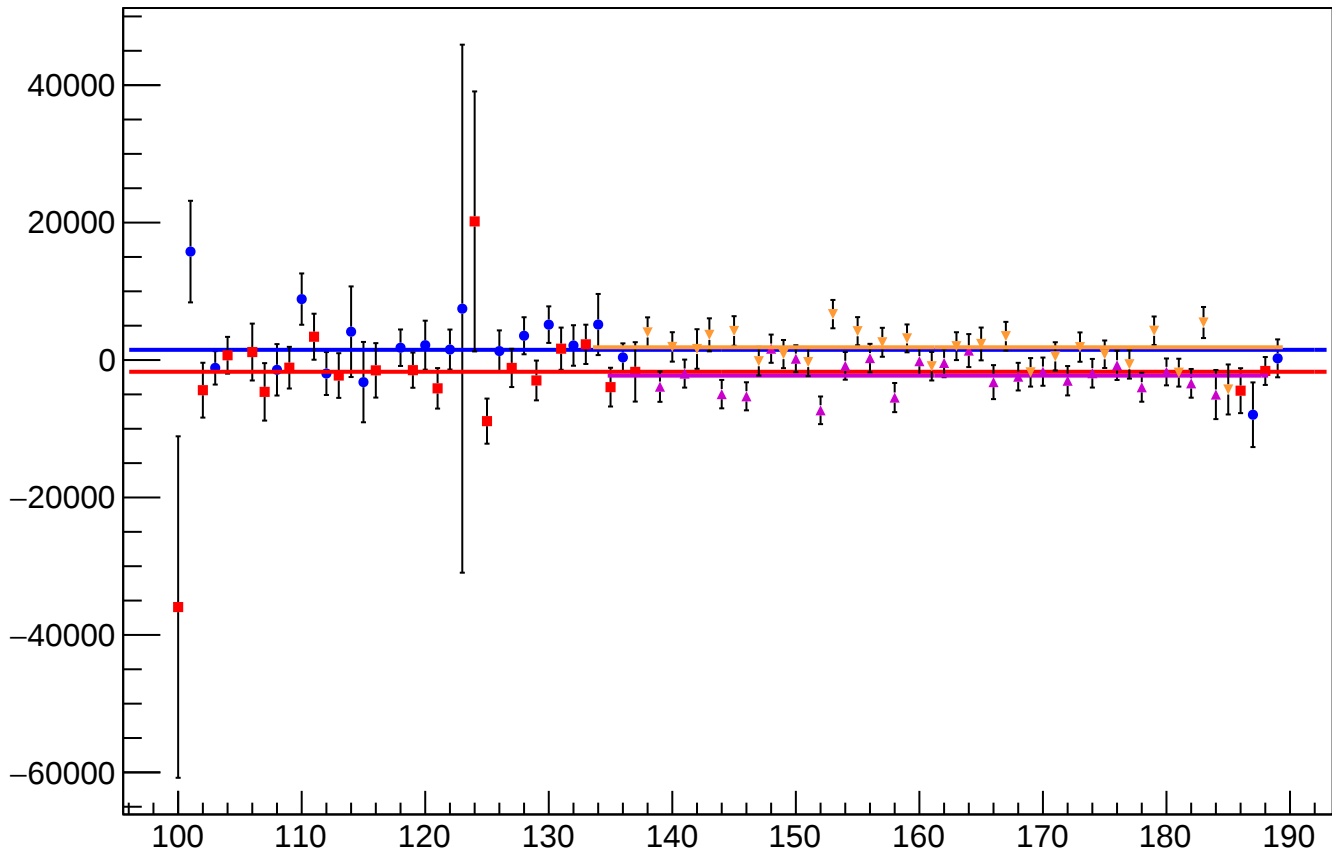
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4705.931+/-0.671 χ^2/NDF : 1785582.5/43

All: 4685.114+/-0.473 χ^2/NDF : 3790113.9/87

- sign 4664.636+/-0.666 χ^2/NDF : 2002623.1/43

reg_asym_at1_avg_mean vs Slug



Right In: 1486.729+/-746.187 χ^2/NDF : 19.3/18

Left Out: 1856.570+/-430.977 χ^2/NDF : 30.0/24

Right Out: -1706.516+/-701.600 χ^2/NDF : 18.0/20

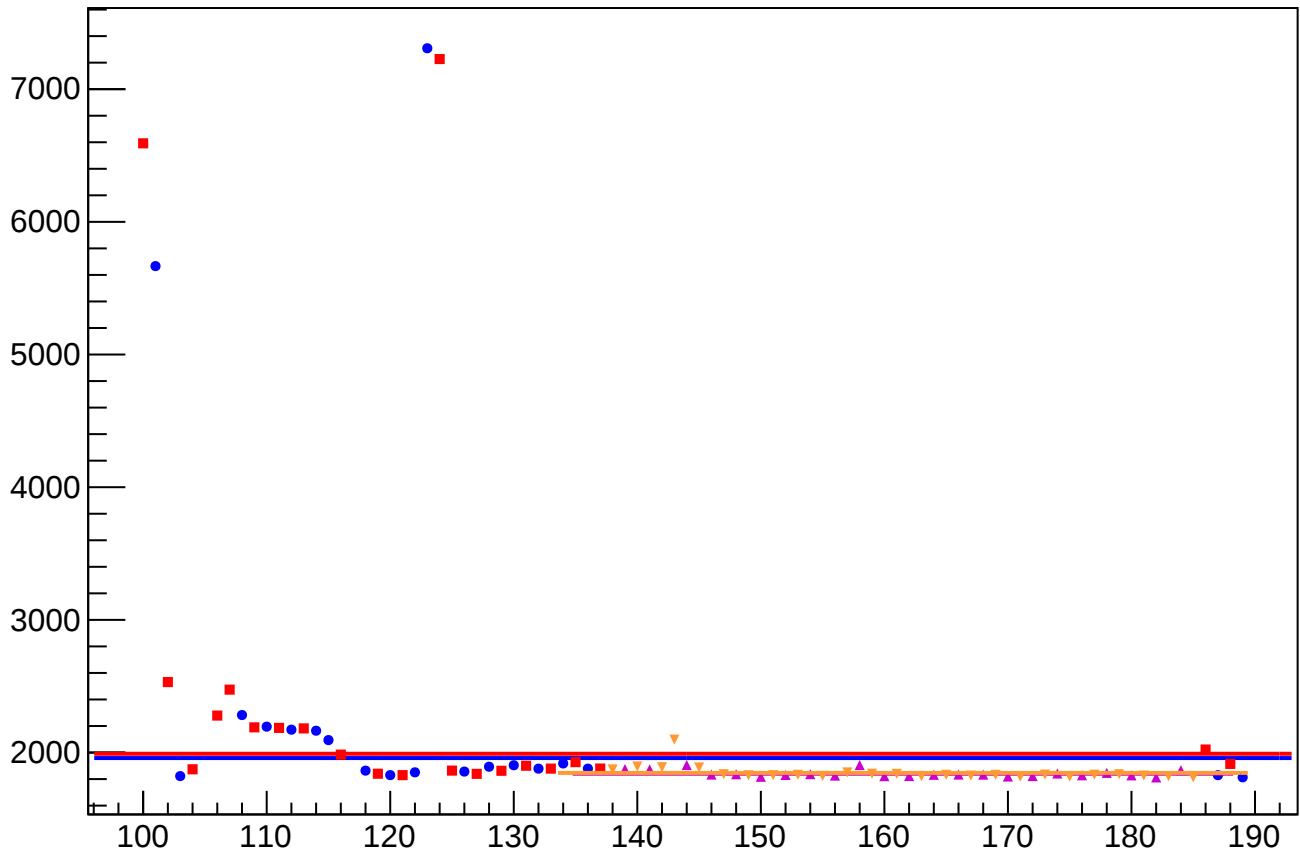
Left In: -2268.464+/-441.710 χ^2/NDF : 26.9/22

+ sign 1764.057+/-373.201 χ^2/NDF : 49.4/43

All: -169.347+/-264.104 χ^2/NDF : 148.6/87

- sign -2108.952+/-373.799 χ^2/NDF : 45.4/43

reg_asym_at1_avg_rms vs Slug



Right In: 1958.448+/-0.528 χ^2/NDF : 607670.7/18

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1990.898+/-0.496 χ^2/NDF : 356928.4/20

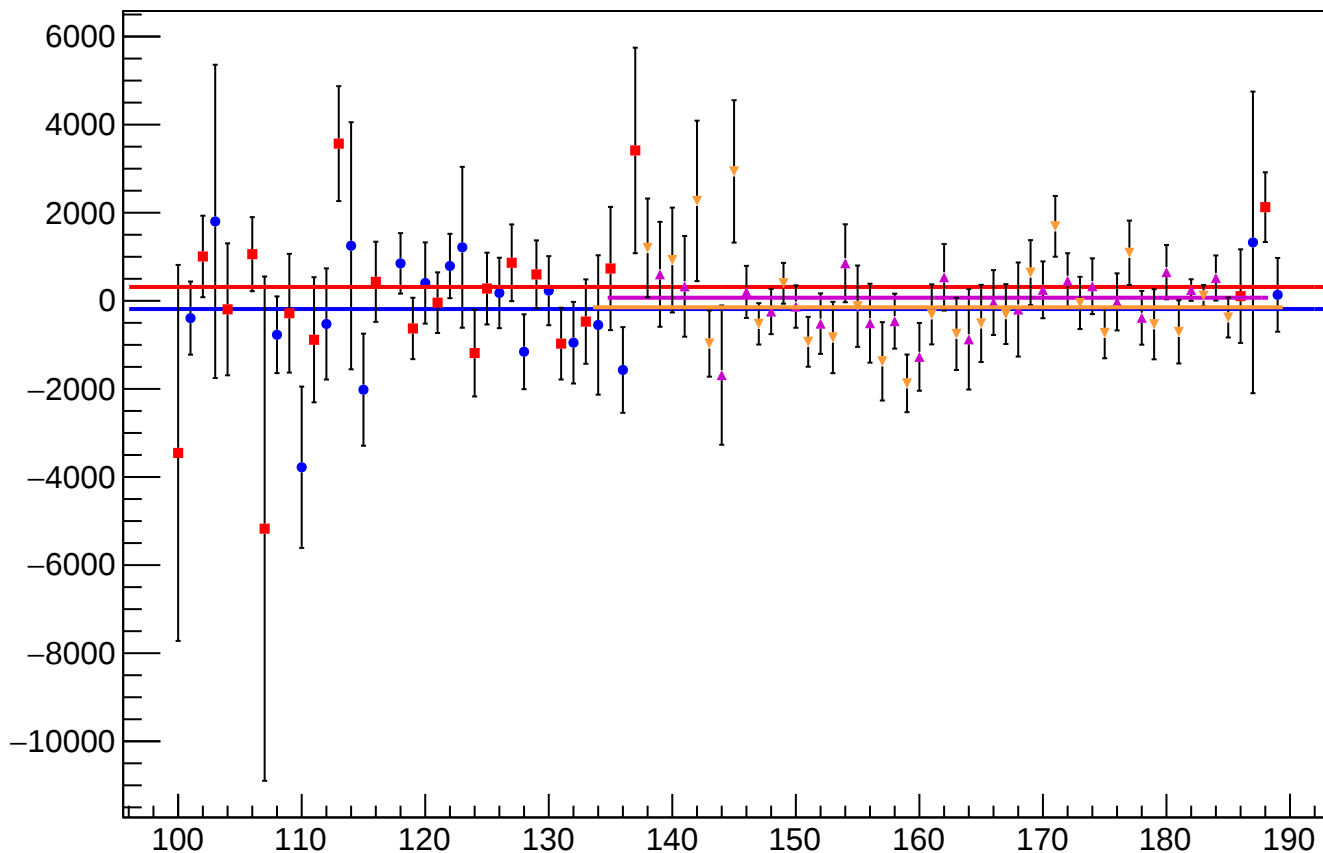
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1874.580+/-0.264 χ^2/NDF : 668667.8/43

All: 1878.893+/-0.187 χ^2/NDF : 1098651.8/87

- sign 1883.221+/-0.264 χ^2/NDF : 429448.7/43

asym_at1_avg_correction_mean vs Slug



Right In: -186.539 ± 231.254 $\chi^2/\text{NDF}: 17.0/18$

Left Out: -146.999 ± 121.984 $\chi^2/\text{NDF}: 37.7/24$

Right Out: 314.412 ± 216.050 $\chi^2/\text{NDF}: 25.5/20$

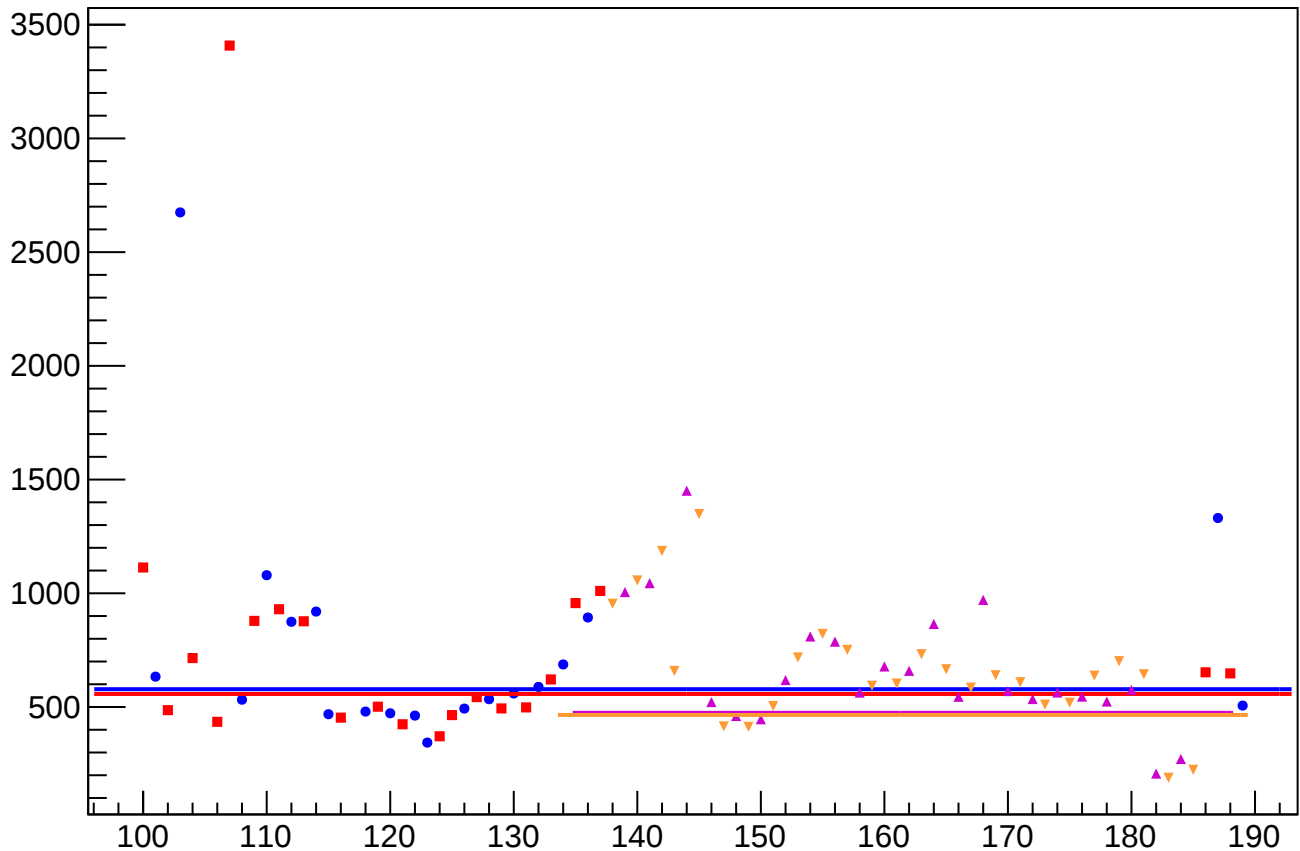
Left In: 70.340 ± 126.373 $\chi^2/\text{NDF}: 12.3/22$

+ sign -155.606 ± 107.894 $\chi^2/\text{NDF}: 54.7/43$

All: -13.102 ± 76.709 $\chi^2/\text{NDF}: 97.0/87$

- sign 132.559 ± 109.083 $\chi^2/\text{NDF}: 38.8/43$

asym_at1_avg_correction_rms vs Slug



Right In: 578.333+/-0.164 χ^2/NDF : 1525403.5/18

Left Out: 465.080+/-0.086 χ^2/NDF : 7086137.6/24

Right Out: 557.359+/-0.153 χ^2/NDF : 1503294.6/20

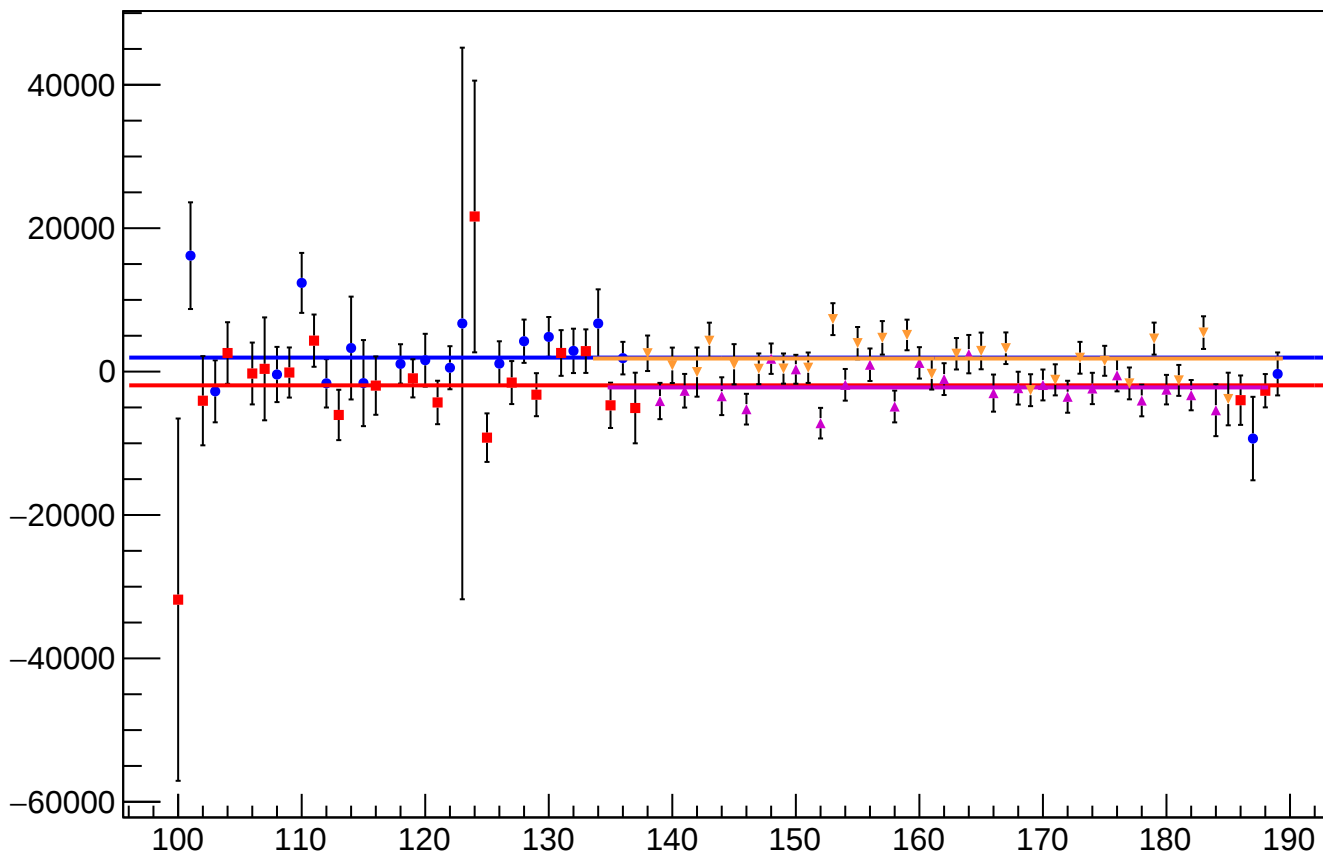
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 489.733+/-0.076 χ^2/NDF : 8986800.8/43

All: 492.558+/-0.054 χ^2/NDF : 16886405.3/87

- sign 495.445+/-0.077 χ^2/NDF : 7896831.8/43

asym_at1_avg_mean vs Slug



Right In: 1954.267+/-823.282 χ^2/NDF : 20.4/18

Left Out: 1824.066+/-462.694 χ^2/NDF :32.1/24

Right Out: -1918.429+/-782.385 χ^2/NDF : 20.7/20

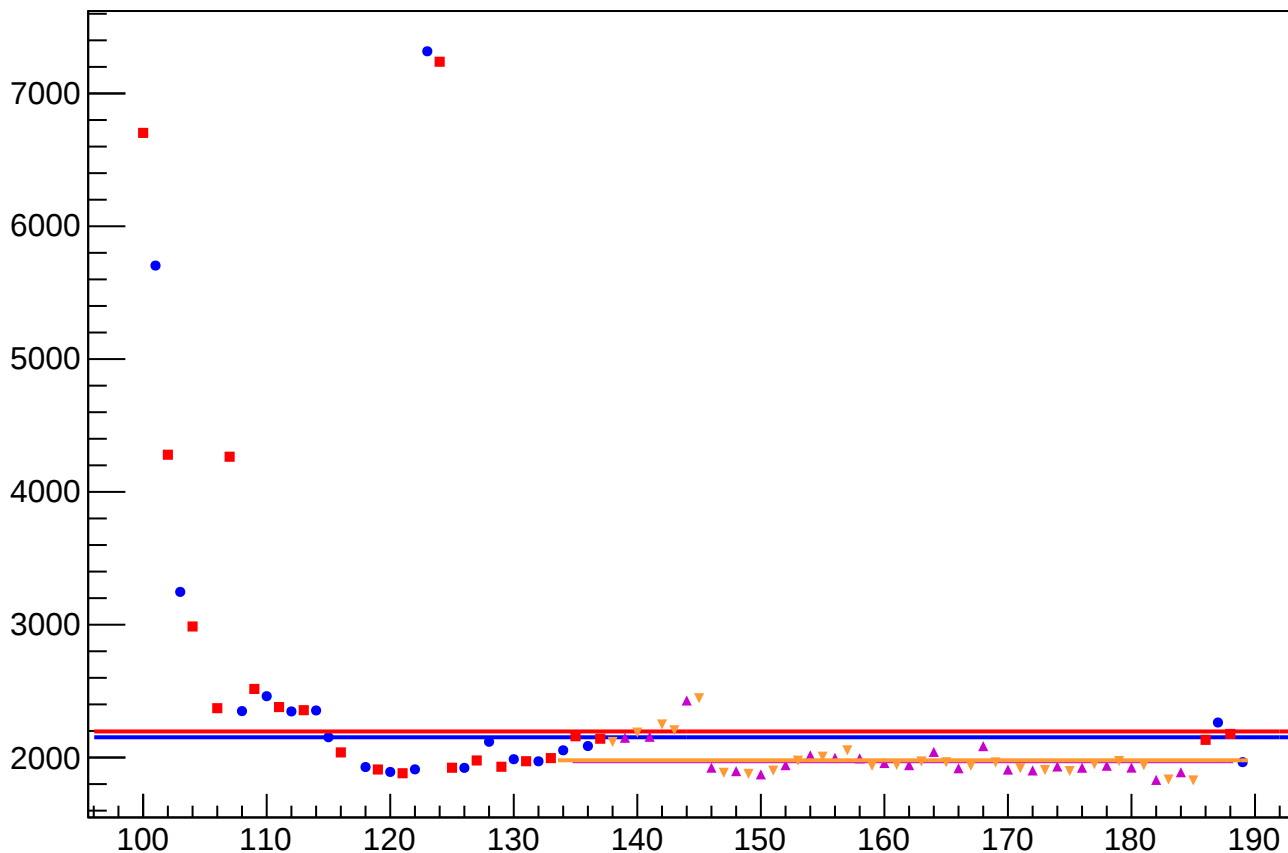
Left In: -2208.114+/-474.050 χ^2/NDF :25.3/22

+ sign 1855.319+/-403.357 χ^2/NDF : 52.6/43

All: -127.262+/-285.948 χ^2/NDF : 147.3/87

- sign -2130.323+/-405.435 χ^2/NDF : 46.2/43

asym_at1_avg_rms vs Slug



Right In: 2152.396+/-0.582 χ^2/NDF : 716804.1/18

Left Out: 1978.997+/-0.327 χ^2/NDF :139299.8/24

Right Out: 2196.227+/-0.553 χ^2/NDF : 799989.7/20

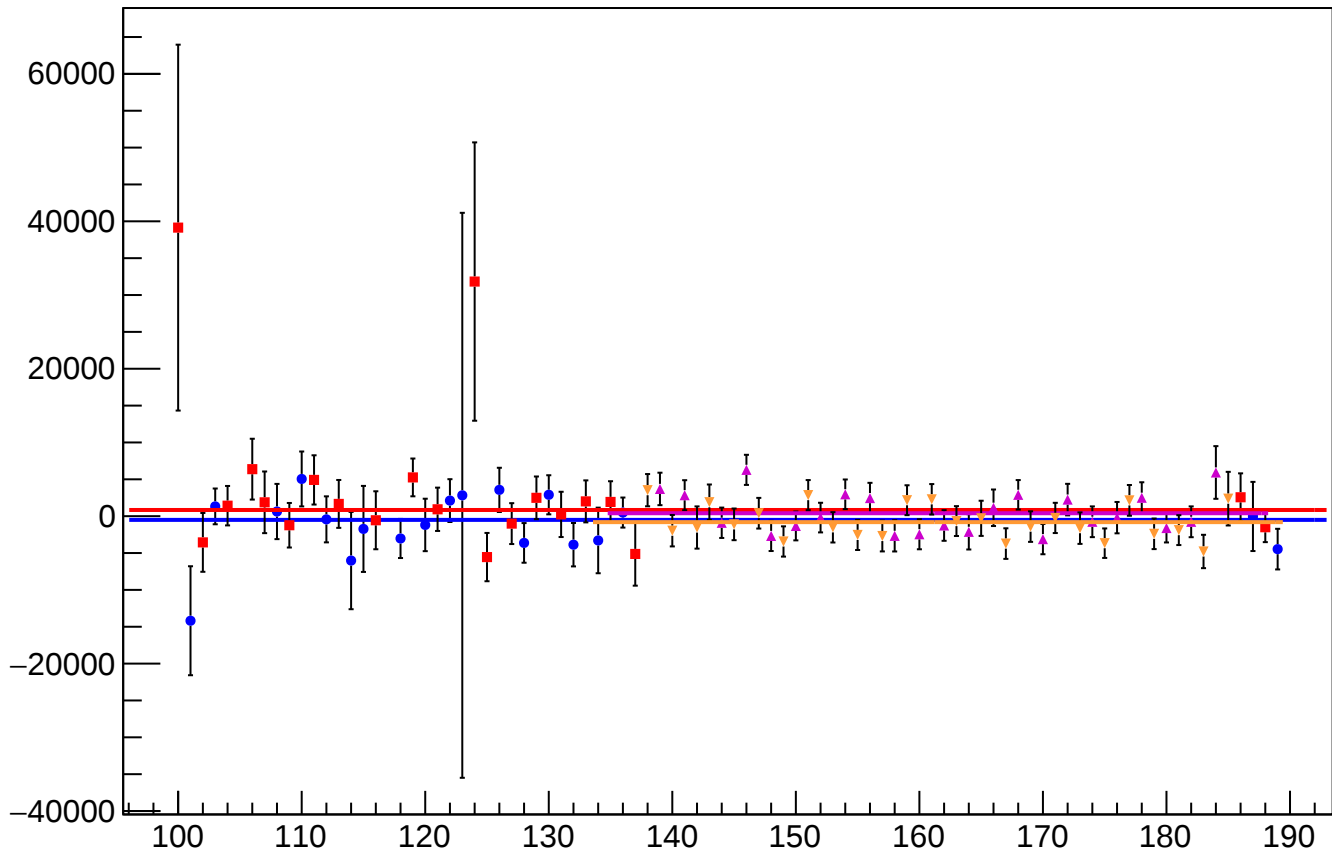
Left In: 1972.166+/-0.335 χ^2/NDF :116452.5/22

+ sign 2020.620+/-0.285 χ^2/NDF : 923528.1/43

All: 2026.447+/-0.202 χ^2/NDF : 1960791.2/87

- sign 2032.335+/-0.287 χ^2/NDF : 1036423.9/43

reg_asym_at1_dd_mean vs Slug



Right In: -503.475+/-744.833 χ^2/NDF : 17.7/18

Left Out: -808.436+/-430.304 χ^2/NDF : 27.9/24

Right Out: 839.617+/-699.876 χ^2/NDF : 21.8/20

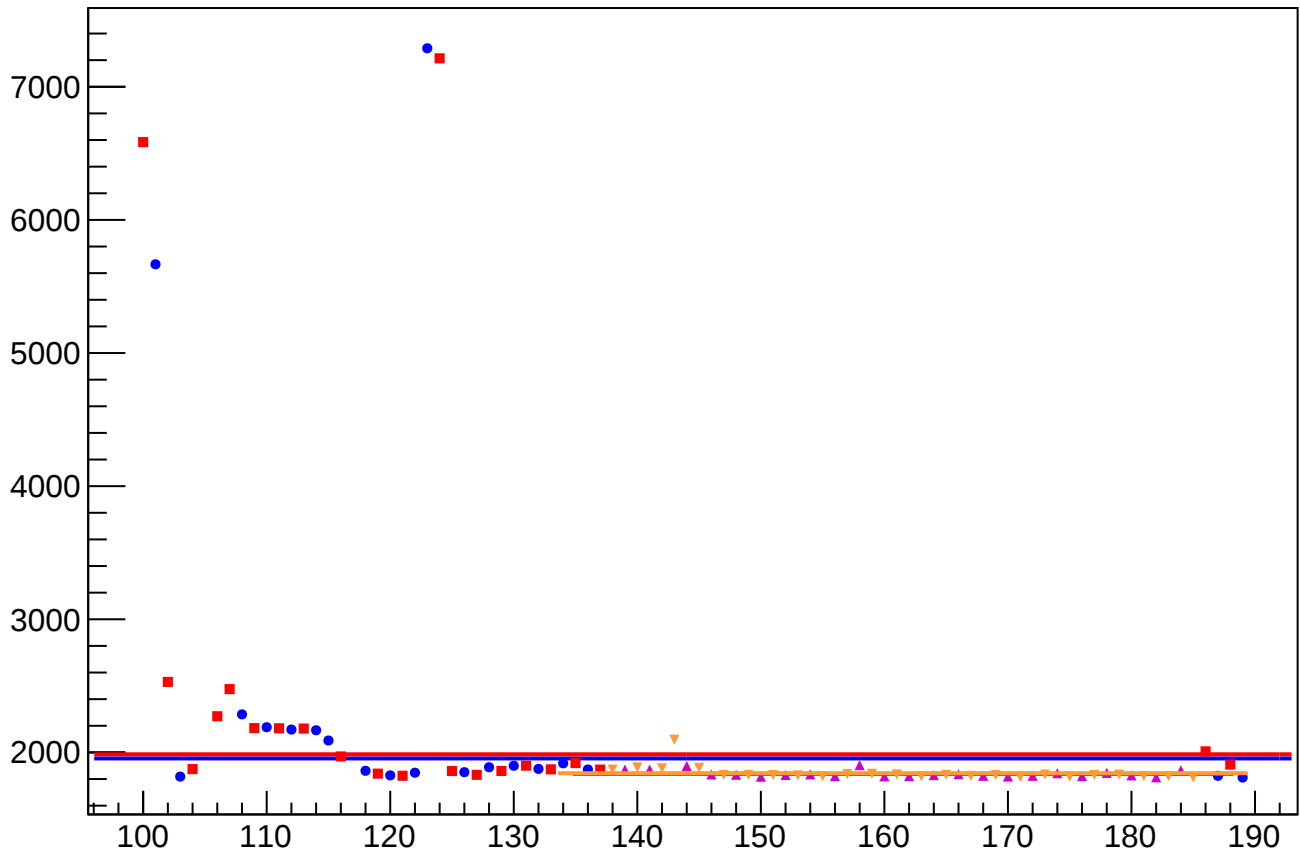
Left In: 398.797+/-441.246 χ^2/NDF : 34.4/22

+ sign -732.123+/-372.594 χ^2/NDF : 45.7/43

All: -105.087+/-263.698 χ^2/NDF : 107.9/87

- sign 524.179+/-373.256 χ^2/NDF : 56.5/43

reg_asym_at1_dd_rms vs Slug



Right In: 1954.696 $\pm$ 0.527 χ^2 /NDF: 609711.6/18

Left Out: 1843.747 $\pm$ 0.304 χ^2 /NDF: 26867.4/24

Right Out: 1985.921 $\pm$ 0.495 χ^2 /NDF: 357628.8/20

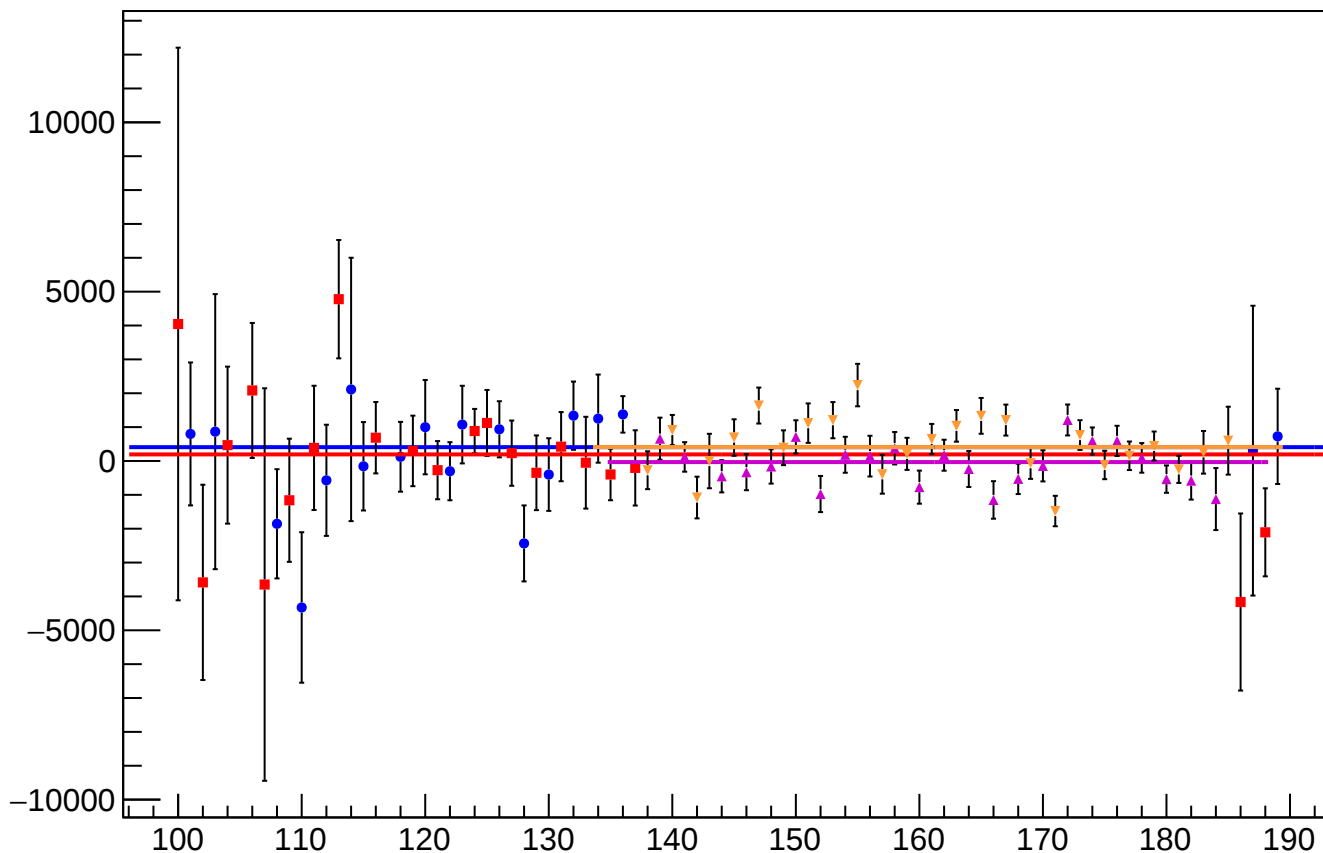
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1871.511 $\pm$ 0.263 χ^2 /NDF: 669851.6/43

All: 1876.003 $\pm$ 0.186 χ^2 /NDF: 1097800.3/87

- sign 1880.510 $\pm$ 0.264 χ^2 /NDF: 427366.3/43

asym_at1_dd_correction_mean vs Slug



Right In: 408.102 $\pm$ 265.526 χ^2 /NDF: 20.5/18

Left Out: 411.072 $\pm$ 100.456 χ^2 /NDF: 61.2/24

Right Out: 193.837 $\pm$ 260.138 χ^2 /NDF: 20.3/20

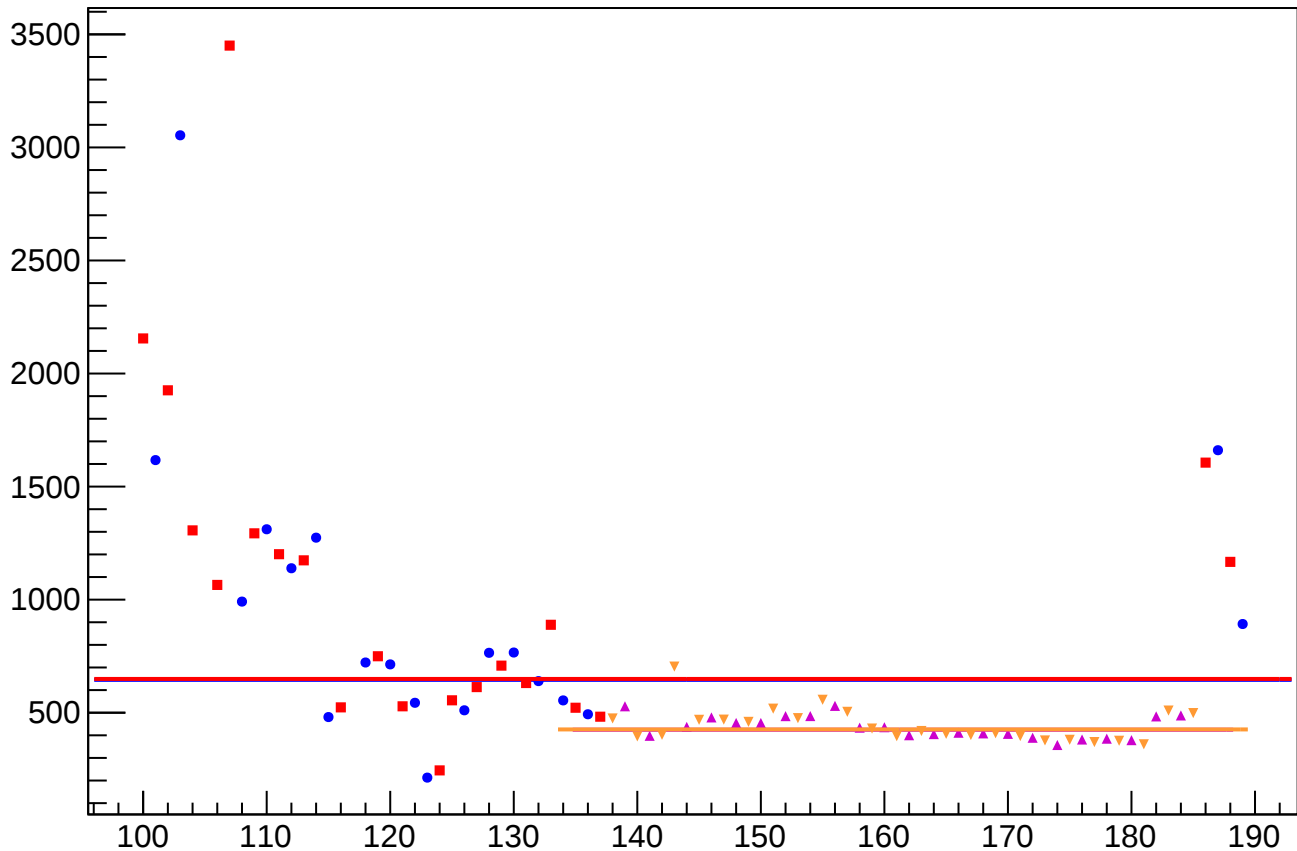
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 410.700 $\pm$ 93.957 χ^2 /NDF: 81.7/43

All: 207.203 $\pm$ 66.903 χ^2 /NDF: 144.9/87

- sign -2.095 $\pm$ 95.286 χ^2 /NDF: 53.6/43

asym_at1_dd_correction_rms vs Slug



Right In: 645.318 $\pm$ 0.188 χ^2 /NDF: 2437432.7/18

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 649.322 $\pm$ 0.184 χ^2 /NDF: 3415990.0/20

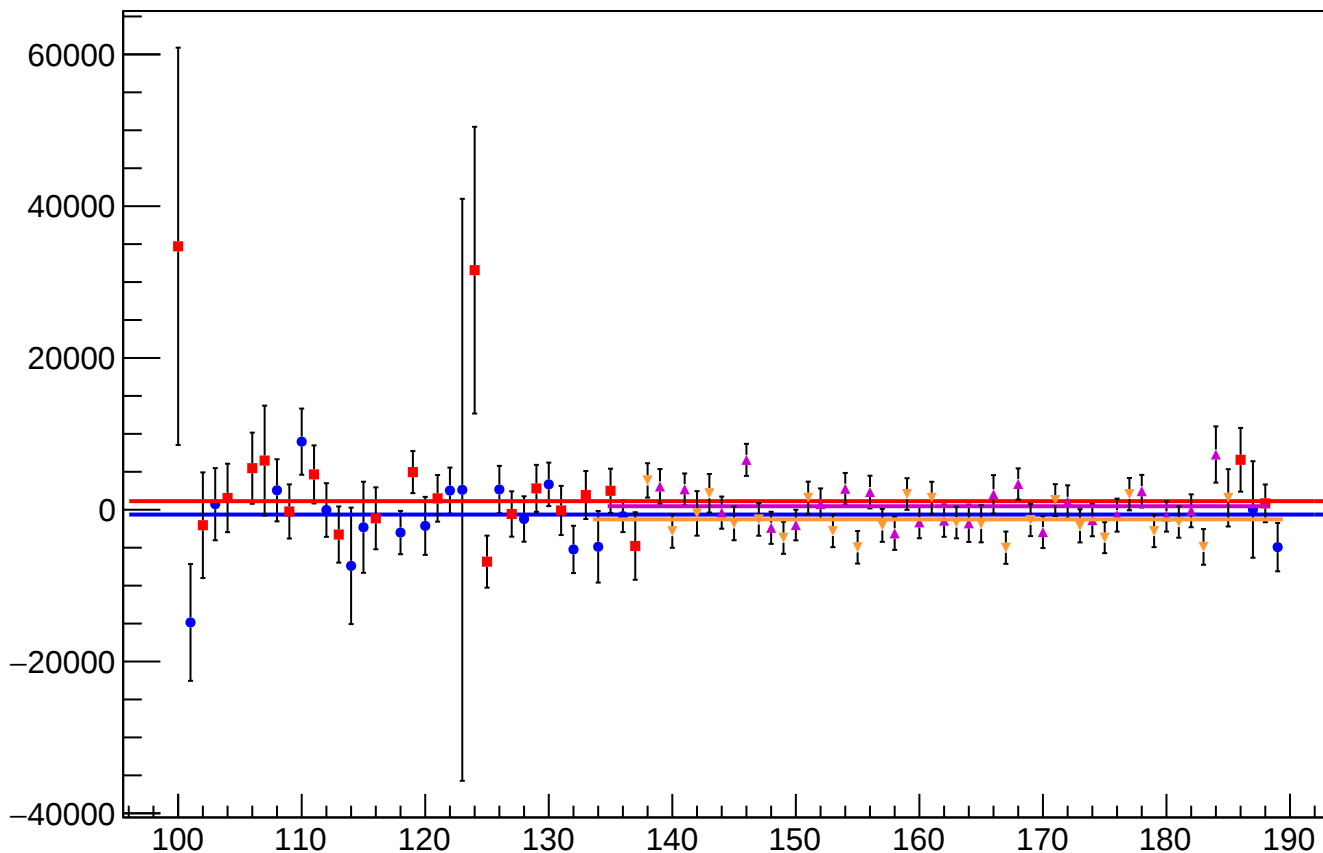
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 453.485 $\pm$ 0.066 χ^2 /NDF: 4363825.8/43

All: 454.125 $\pm$ 0.047 χ^2 /NDF: 9463427.2/87

- sign 454.784 $\pm$ 0.067 χ^2 /NDF: 5099412.8/43

asym_at1_dd_mean vs Slug



Right In: -634.562 ± 835.923 χ^2/NDF : 19.7/18

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 1130.884 ± 806.112 χ^2/NDF : 20.4/20

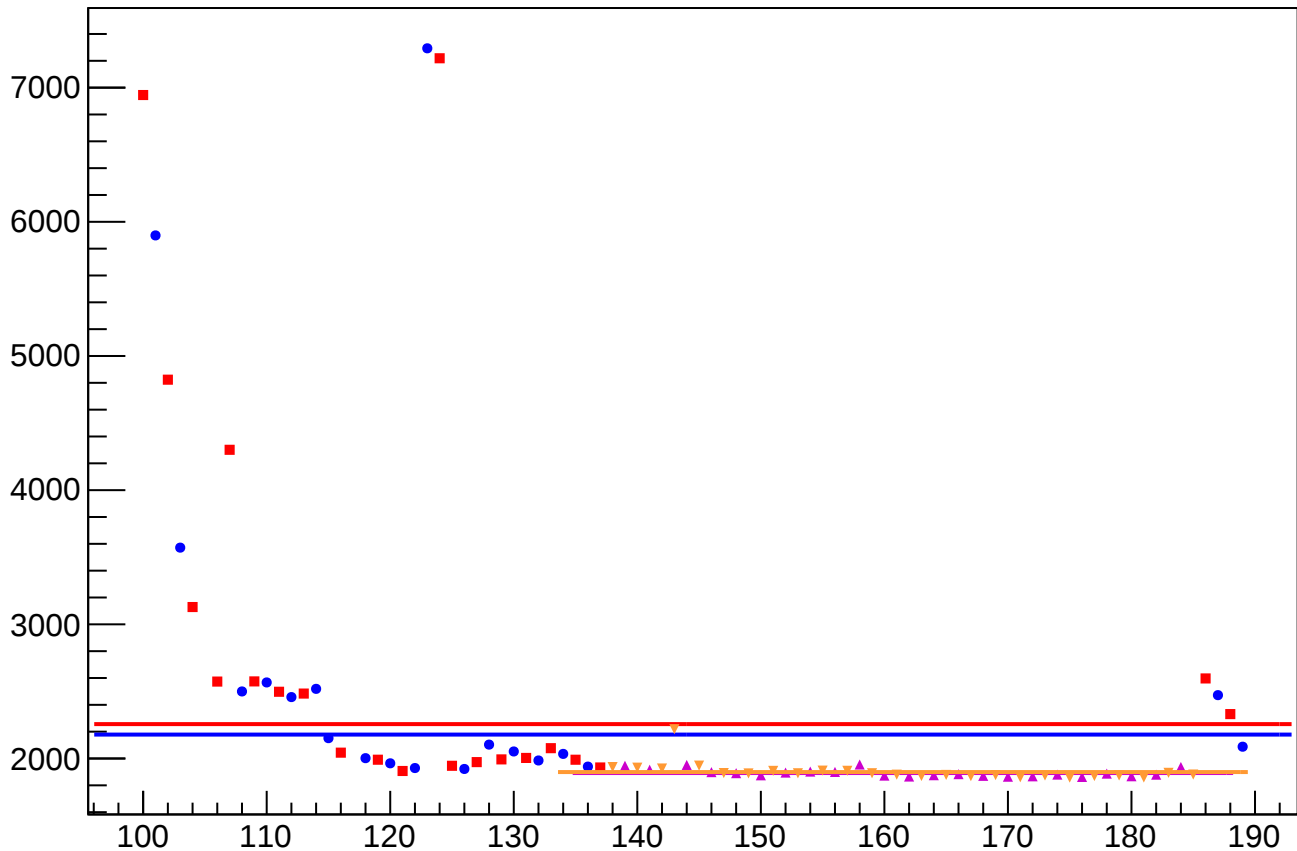
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1128.910 ± 391.581 χ^2/NDF : 50.9/43

All: -261.523 ± 278.280 χ^2/NDF : 114.4/87

- sign 623.499 ± 395.542 χ^2/NDF : 53.5/43

asym_at1_dd_rms vs Slug



Right In: 2178.290+/-0.591 χ^2 /NDF: 806714.1/18

Left Out: 1898.962+/-0.313 χ^2 /NDF:38680.4/24

Right Out: 2256.345+/-0.570 χ^2 /NDF: 908444.1/20

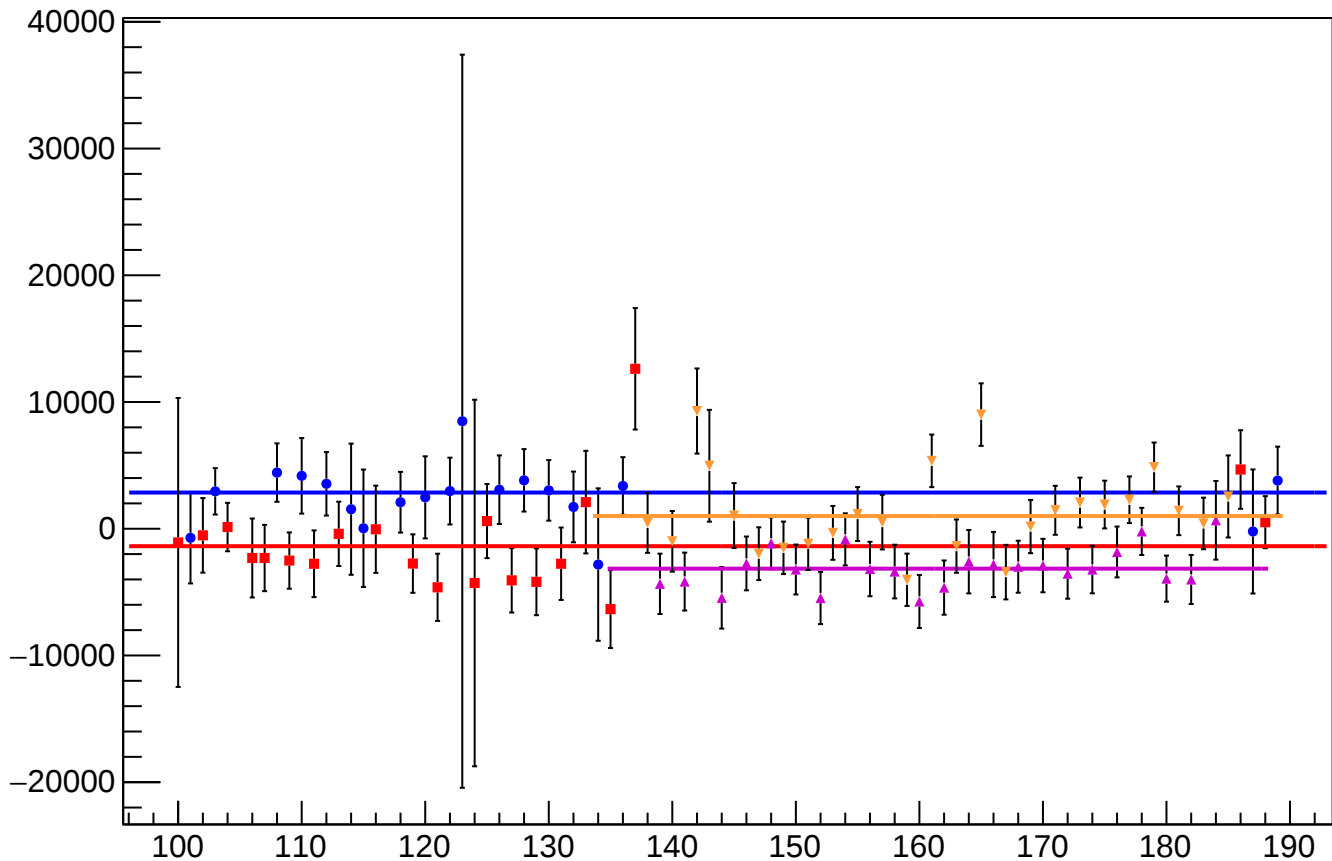
Left In: 1891.693+/-0.321 χ^2 /NDF:7420.7/22

+ sign 1960.257+/-0.277 χ^2 /NDF: 1019709.6/43

All: 1969.776+/-0.197 χ^2 /NDF: 2248686.2/87

- sign 1979.489+/-0.280 χ^2 /NDF: 1226588.7/43

reg_asym_at2_avg_mean vs Slug



Right In: 2857.010 $\pm$ 653.656 χ^2 /NDF: 4.1/18

Left Out: 1001.263 $\pm$ 435.247 χ^2 /NDF: 44.6/24

Right Out: -1376.939 $\pm$ 613.369 χ^2 /NDF: 23.2/20

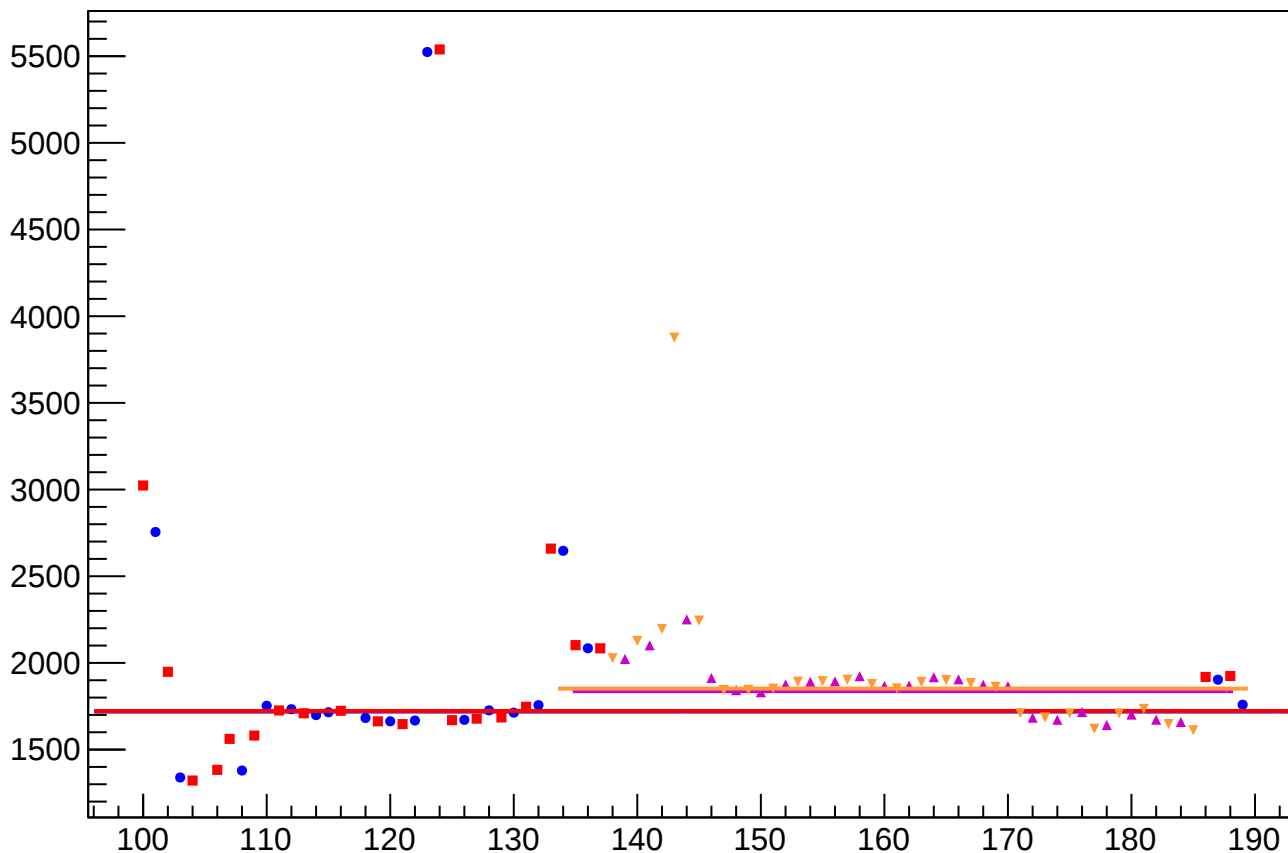
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF: 11.8/22

+ sign 1571.312 $\pm$ 362.281 χ^2 /NDF: 54.3/43

All: -510.932 $\pm$ 254.694 χ^2 /NDF: 160.1/87

- sign -2545.811 $\pm$ 358.137 χ^2 /NDF: 40.5/43

reg_asym_at2_avg_rms vs Slug



Right In: 1719.619+/-0.462 χ^2/NDF : 435698.3/18

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1722.607+/-0.434 χ^2/NDF : 486095.5/20

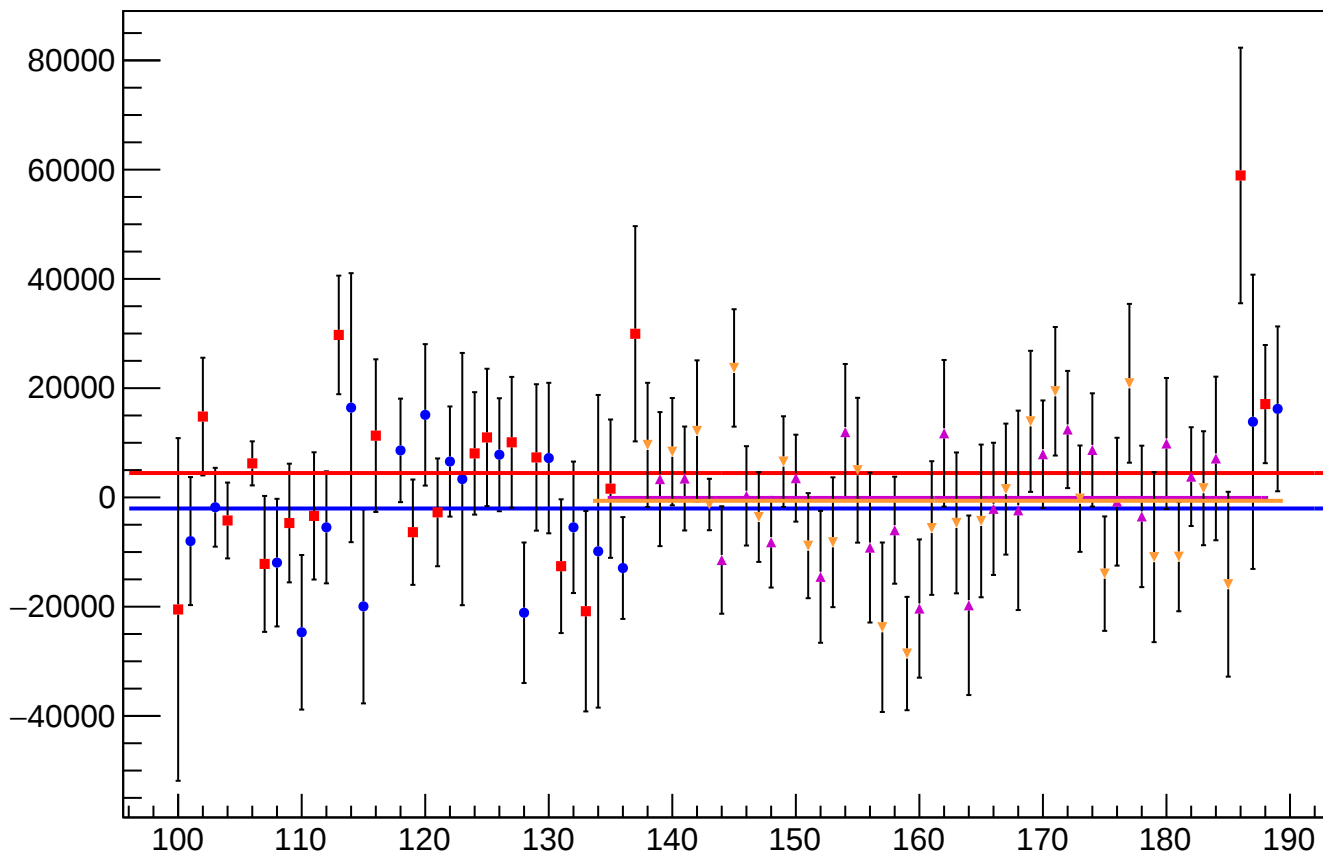
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1811.306+/-0.256 χ^2/NDF : 1141450.7/43

All: 1804.627+/-0.180 χ^2/NDF : 1875374.1/87

- sign 1798.100+/-0.253 χ^2/NDF : 732579.1/43

asym_at2_avg_correction_mean vs Slug



Right In: -2027.182 ± 2794.653 $\chi^2/\text{NDF}: 15.9/18$

Left Out: -619.372 ± 2069.686 $\chi^2/\text{NDF}: 30.1/24$

Right Out: 4463.535 ± 2211.461 $\chi^2/\text{NDF}: 26.7/20$

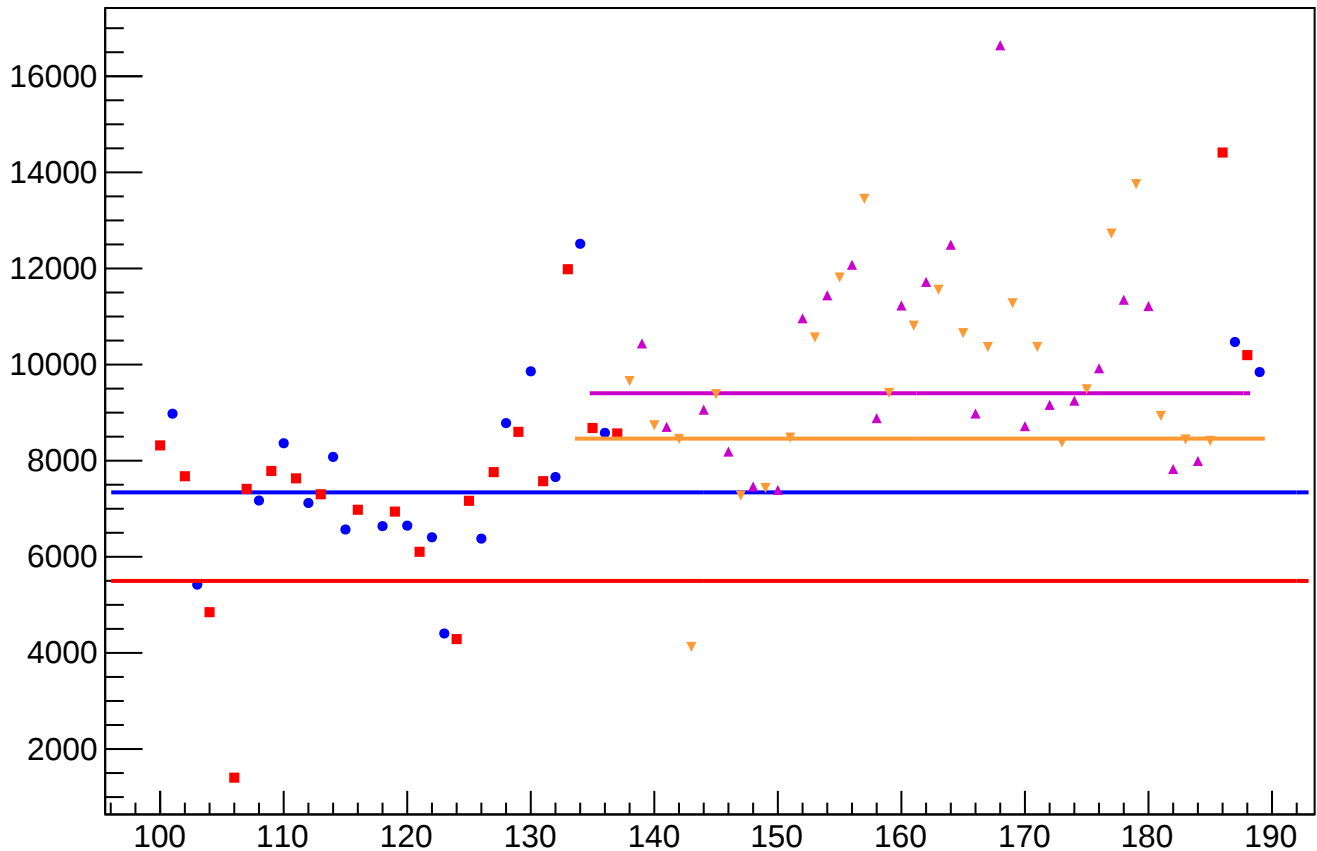
Left In: -93.334 ± 2293.826 $\chi^2/\text{NDF}: 14.6/22$

+ sign -1118.020 ± 1663.233 $\chi^2/\text{NDF}: 46.2/43$

All: 649.183 ± 1150.095 $\chi^2/\text{NDF}: 91.8/87$

- sign 2268.381 ± 1592.061 $\chi^2/\text{NDF}: 43.4/43$

asym_at2_avg_correction_rms vs Slug



Right In: 7340.783+/-1.976 χ^2/NDF : 557570.6/18

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 5497.791+/-1.564 χ^2/NDF : 3896852.9/20

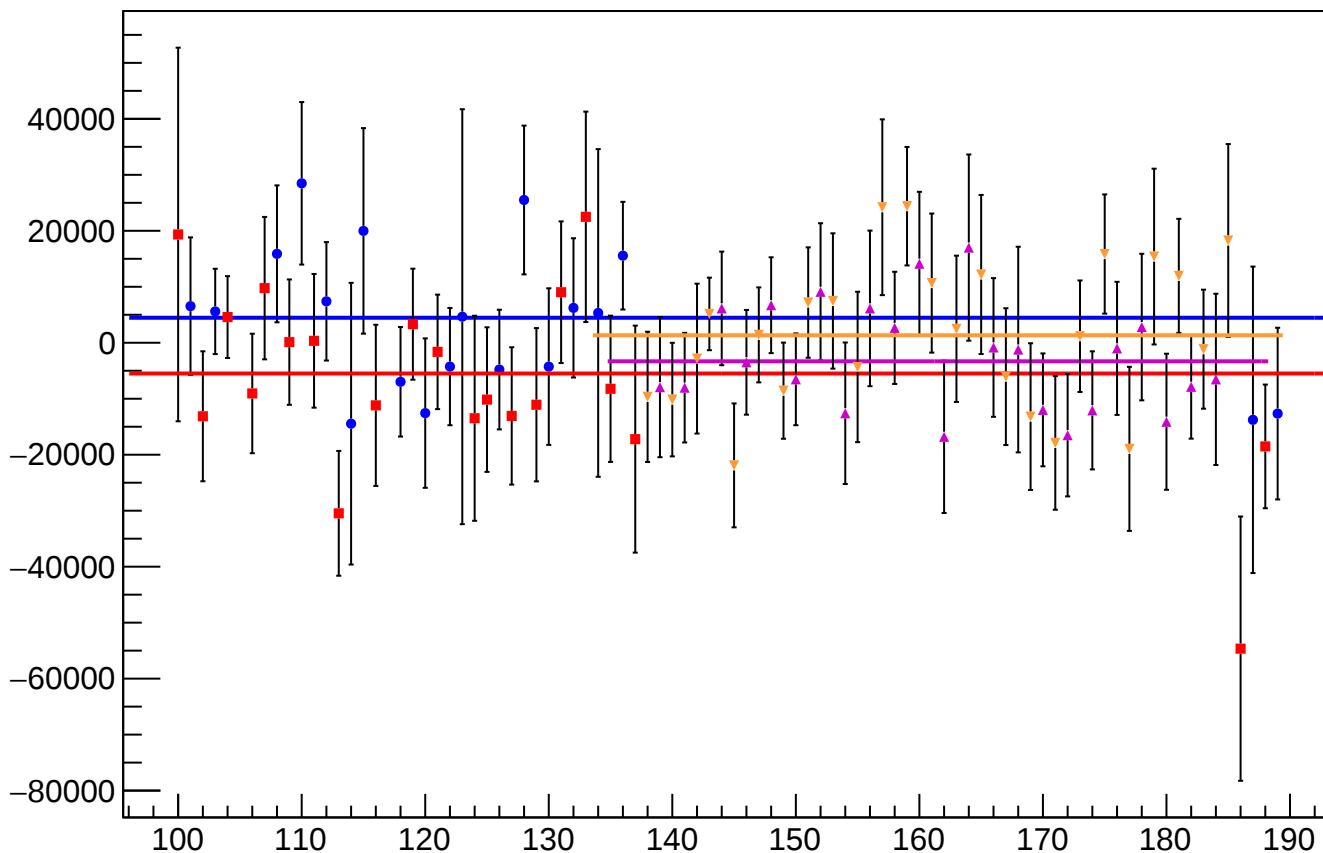
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8063.546+/-1.176 χ^2/NDF : 3851913.4/43

All: 7706.448+/-0.813 χ^2/NDF : 12073224.2/8

- sign 7379.257+/-1.126 χ^2/NDF : 8044645.3/43

asym_at2_avg_mean vs Slug



Right In: 4467.701 ± 2908.361 χ^2/NDF : 15.4/18

Left Out: 1332.828 ± 2213.733 χ^2/NDF : 28.0/24

Right Out: -5494.935 ± 2692.804 χ^2/NDF : 21.5/20

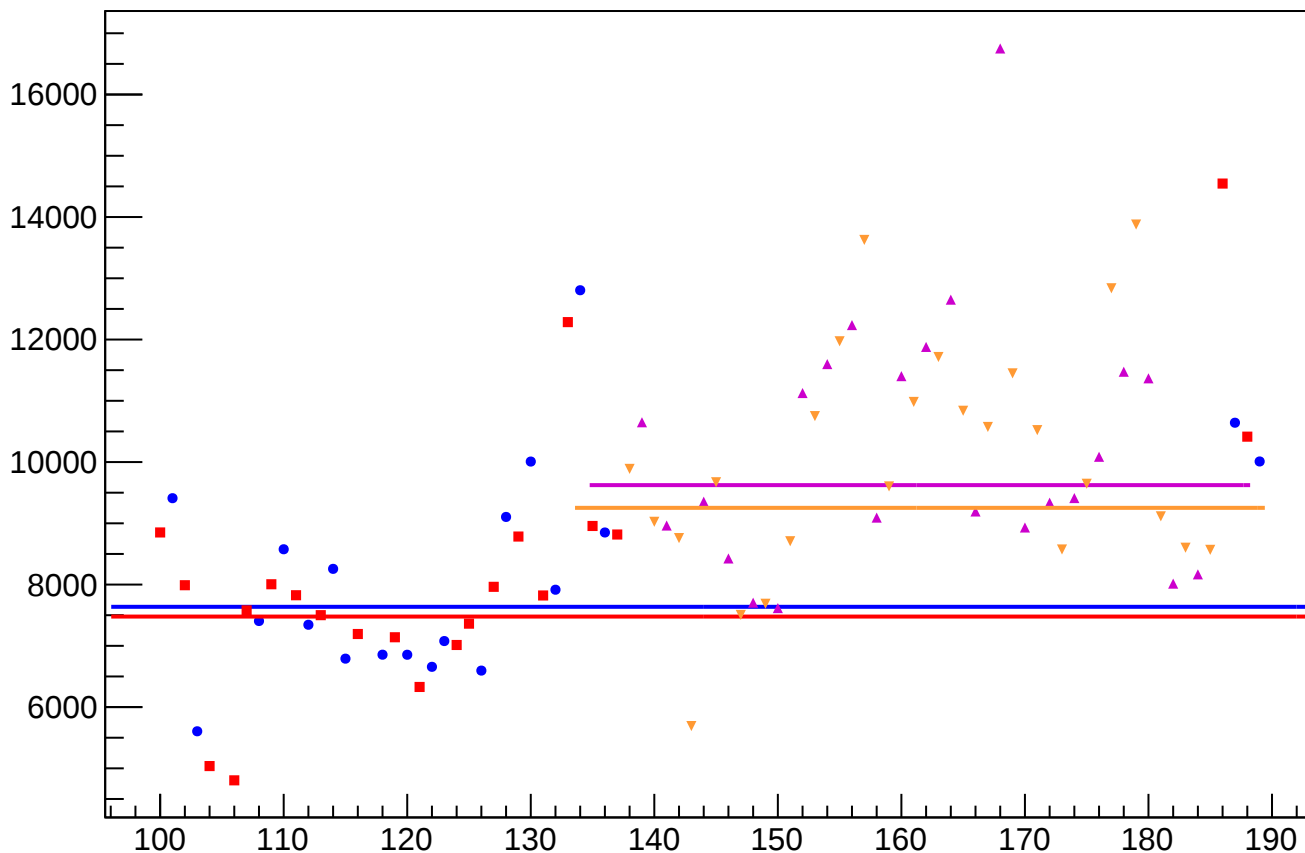
Left In: -3316.909 ± 2344.543 χ^2/NDF : 13.7/22

+ sign 2482.809 ± 1761.504 χ^2/NDF : 44.2/43

All: -873.769 ± 1247.945 χ^2/NDF : 87.1/87

- sign -4256.058 ± 1768.238 χ^2/NDF : 35.6/43

asym_at2_avg_rms vs Slug



Right In: 7637.099+/-2.056 χ^2/NDF : 505585.2/18

Left Out: 9252.712+/-1.565 χ^2/NDF :1597668.9/24

Right Out: 7477.823+/-1.904 χ^2/NDF : 900968.9/20

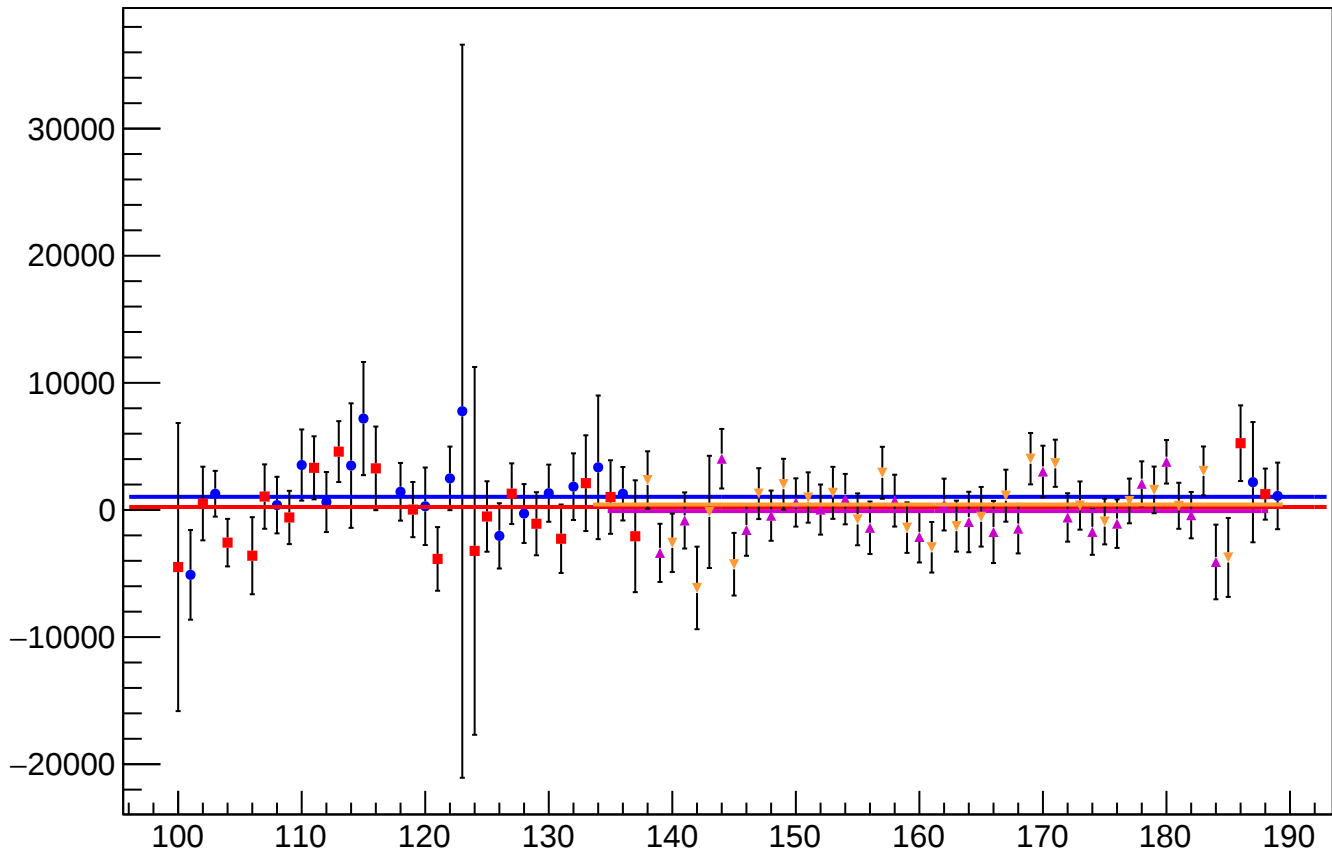
Left In: 9623.485+/-1.658 χ^2/NDF :1069924.0/22

+ sign 8660.030+/-1.246 χ^2/NDF : 2494040.0/43

All: 8679.026+/-0.882 χ^2/NDF : 5187782.1/87

- sign 8698.165+/-1.250 χ^2/NDF : 2693275.2/43

reg_asym_at2_dd_mean vs Slug



Right In: 1033.509 $\pm$ 622.243 χ^2 /NDF: 8.7/18

Left Out: 429.447 $\pm$ 416.378 χ^2 /NDF: 28.7/24

Right Out: 233.672 $\pm$ 585.269 χ^2 /NDF: 17.8/20

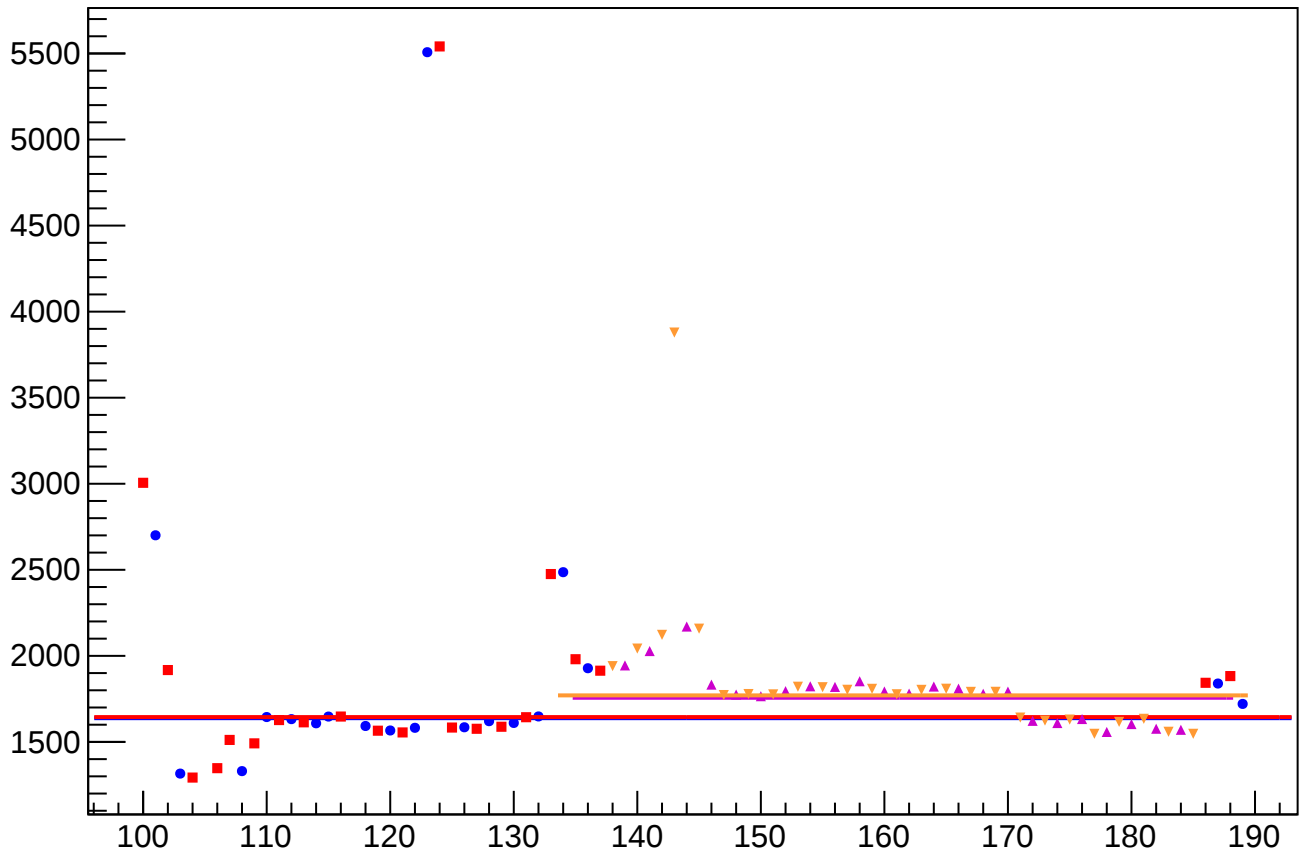
Left In: -88.373 $\pm$ 421.957 χ^2 /NDF: 21.0/22

+ sign 616.272 $\pm$ 346.049 χ^2 /NDF: 38.1/43

All: 315.763 $\pm$ 243.349 χ^2 /NDF: 78.5/87

- sign 21.771 $\pm$ 342.276 χ^2 /NDF: 39.0/43

reg_asym_at2_dd_rms vs Slug



Right In: 1638.005 $\pm$ 0.440 χ^2 /NDF: 412736.4/18

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1644.247 $\pm$ 0.414 χ^2 /NDF: 475876.4/20

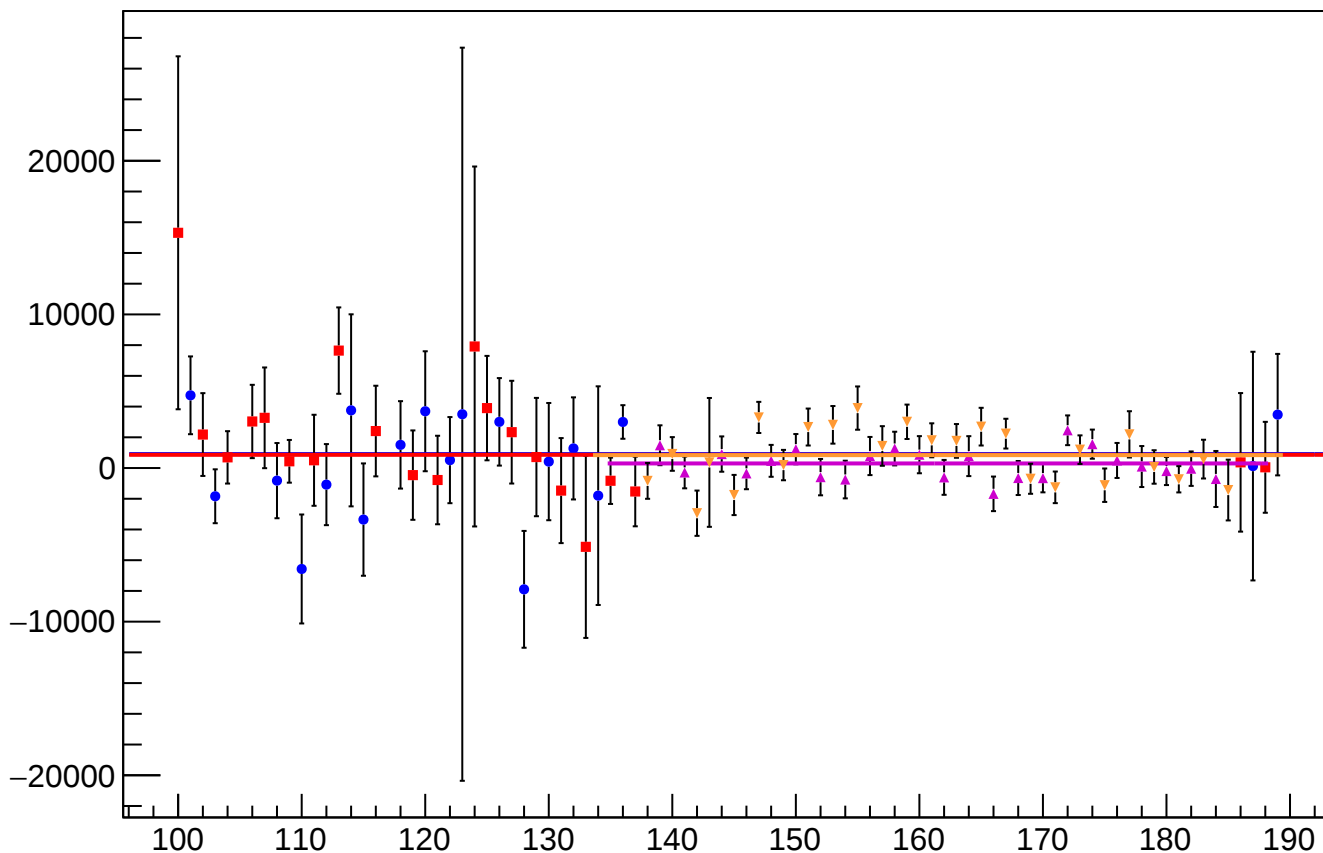
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1729.441 $\pm$ 0.245 χ^2 /NDF: 1174797.1/43

All: 1723.753 $\pm$ 0.172 χ^2 /NDF: 1923336.4/87

- sign 1718.189 $\pm$ 0.242 χ^2 /NDF: 747470.3/43

asym_at2_dd_correction_mean vs Slug



Right In: 906.579+/-622.640 χ^2/NDF : 22.6/18

Left Out: 839.344+/-230.465 χ^2/NDF : 54.4/24

Right Out: 862.147+/-574.344 χ^2/NDF : 15.2/20

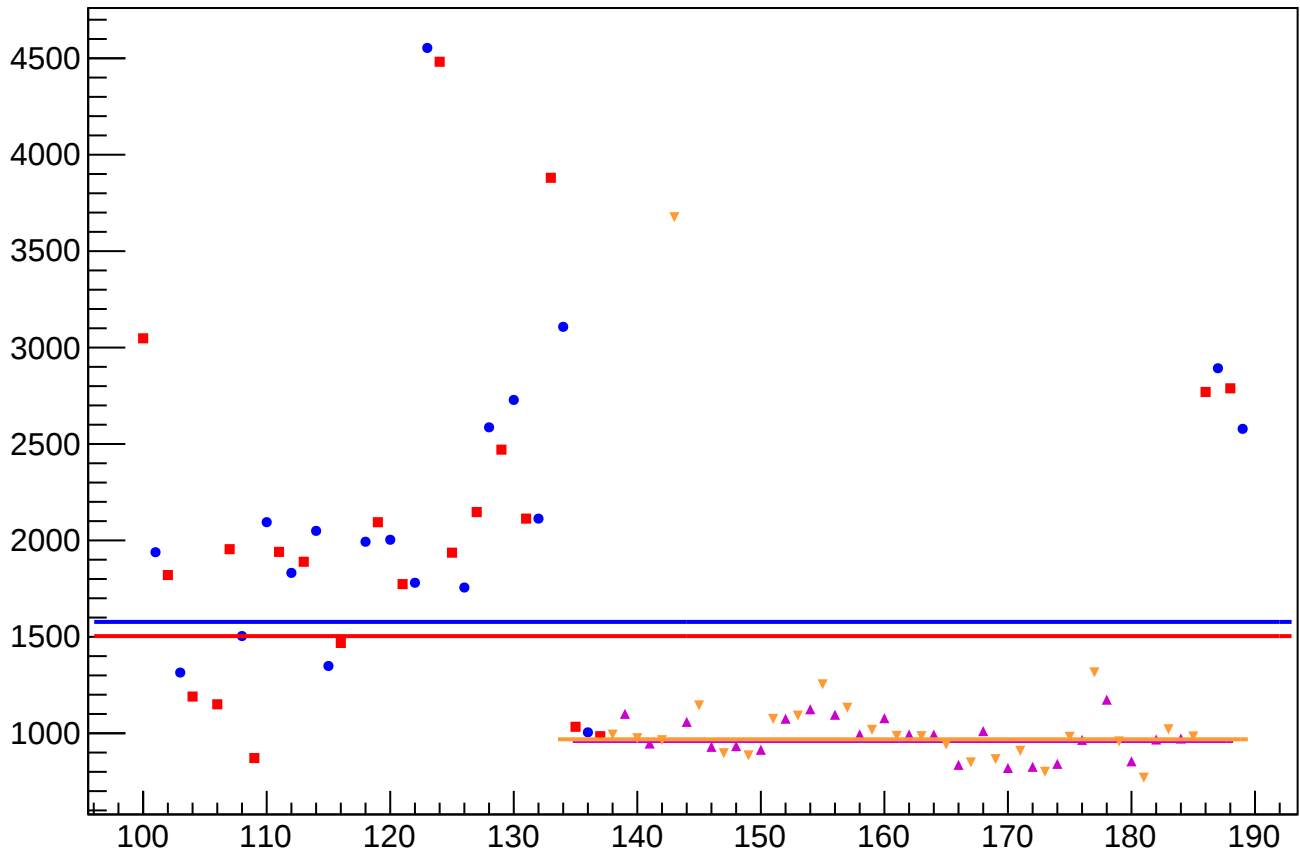
Left In: 298.801+/-231.400 χ^2/NDF : 18.3/22

+ sign 847.445+/-216.134 χ^2/NDF : 77.0/43

All: 610.823+/-152.297 χ^2/NDF : 113.7/87

- sign 377.475+/-214.634 χ^2/NDF : 34.4/43

asym_at2_dd_correction_rms vs Slug



Right In: 1577.436 $\pm$ 0.440 χ^2/NDF : 1490057.1/18

Left Out: 968.712 $\pm$ 0.163 χ^2/NDF : 1393696.6/24

Right Out: 1503.827 $\pm$ 0.406 χ^2/NDF : 2388137.7/20

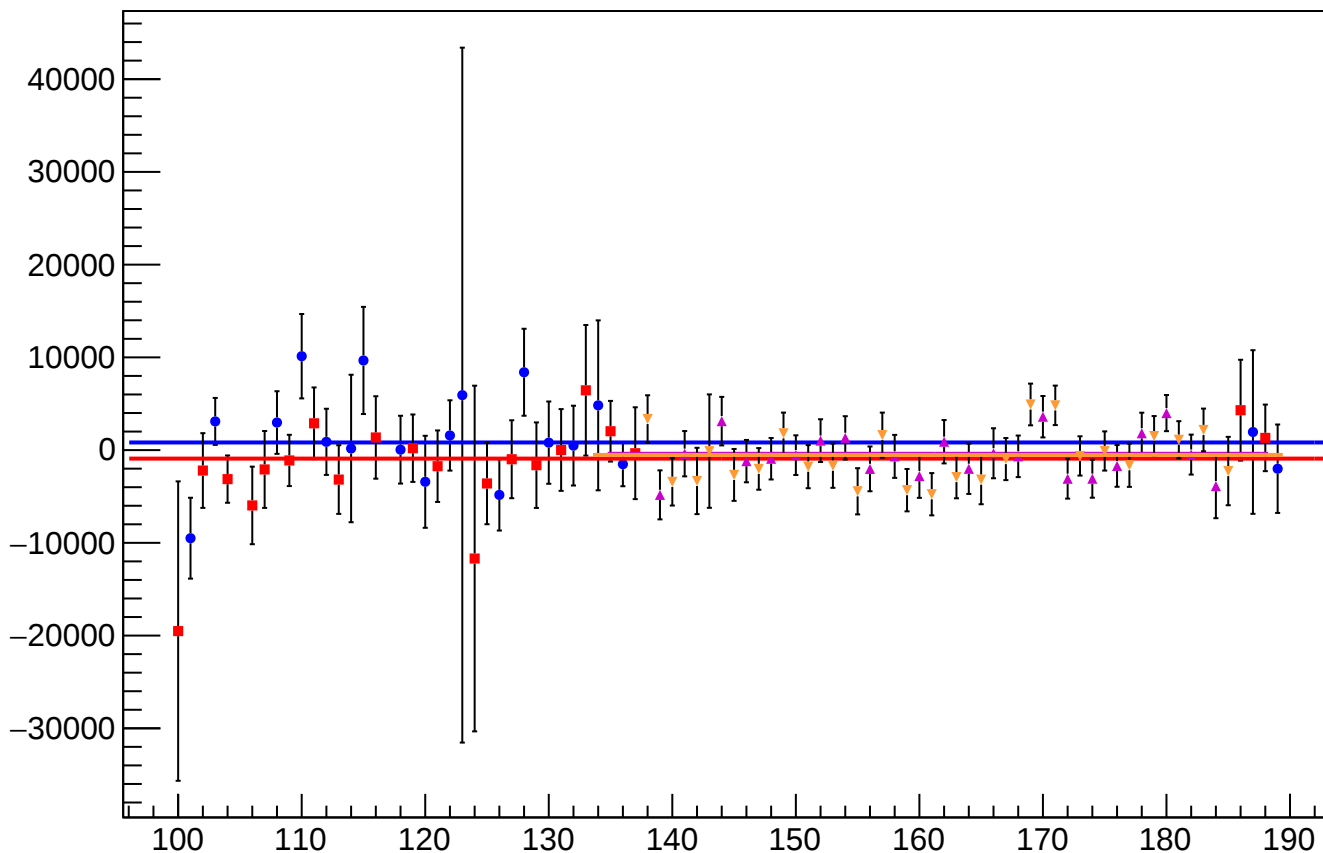
Left In: 959.805 $\pm$ 0.164 χ^2/NDF : 371210.5/22

+ sign 1042.061 $\pm$ 0.153 χ^2/NDF : 4565015.0/43

All: 1038.898 $\pm$ 0.108 χ^2/NDF : 8869017.7/87

- sign 1035.780 $\pm$ 0.152 χ^2/NDF : 4303152.3/43

asym_at2_dd_mean vs Slug



Right In: 824.691 ± 945.569 χ^2/NDF : 20.5/18

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -915.386 ± 885.776 χ^2/NDF : 9.5/20

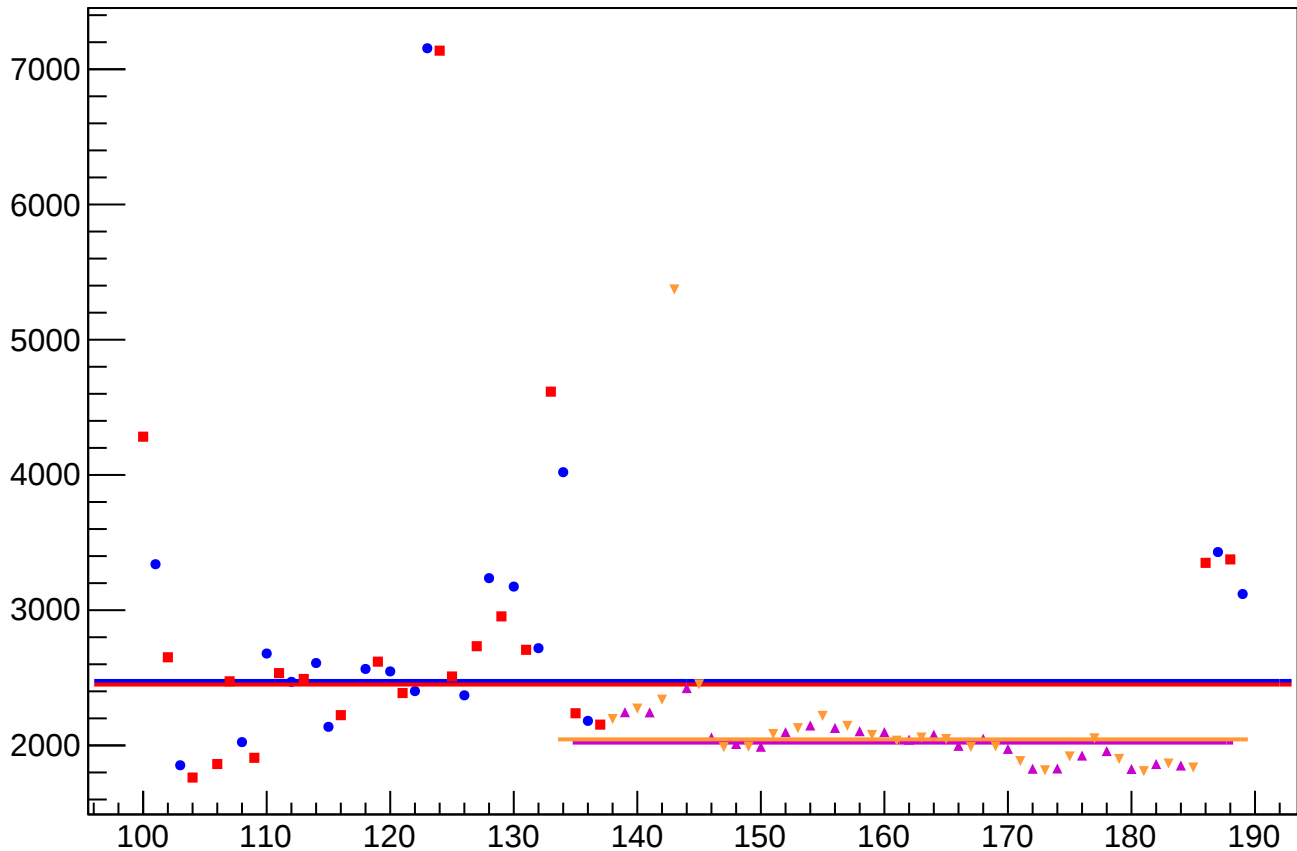
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -241.317 ± 429.063 χ^2/NDF : 56.1/43

All: -380.274 ± 302.104 χ^2/NDF : 87.9/87

- sign -516.892 ± 425.438 χ^2/NDF : 31.6/43

asym_at2_dd_rms vs Slug



Right In: 2476.657 ± 0.669 χ^2/NDF : 537751.8/18

Left Out: 2044.722 ± 0.340 χ^2/NDF : 788703.5/24

Right Out: 2450.023 ± 0.626 χ^2/NDF : 863123.1/20

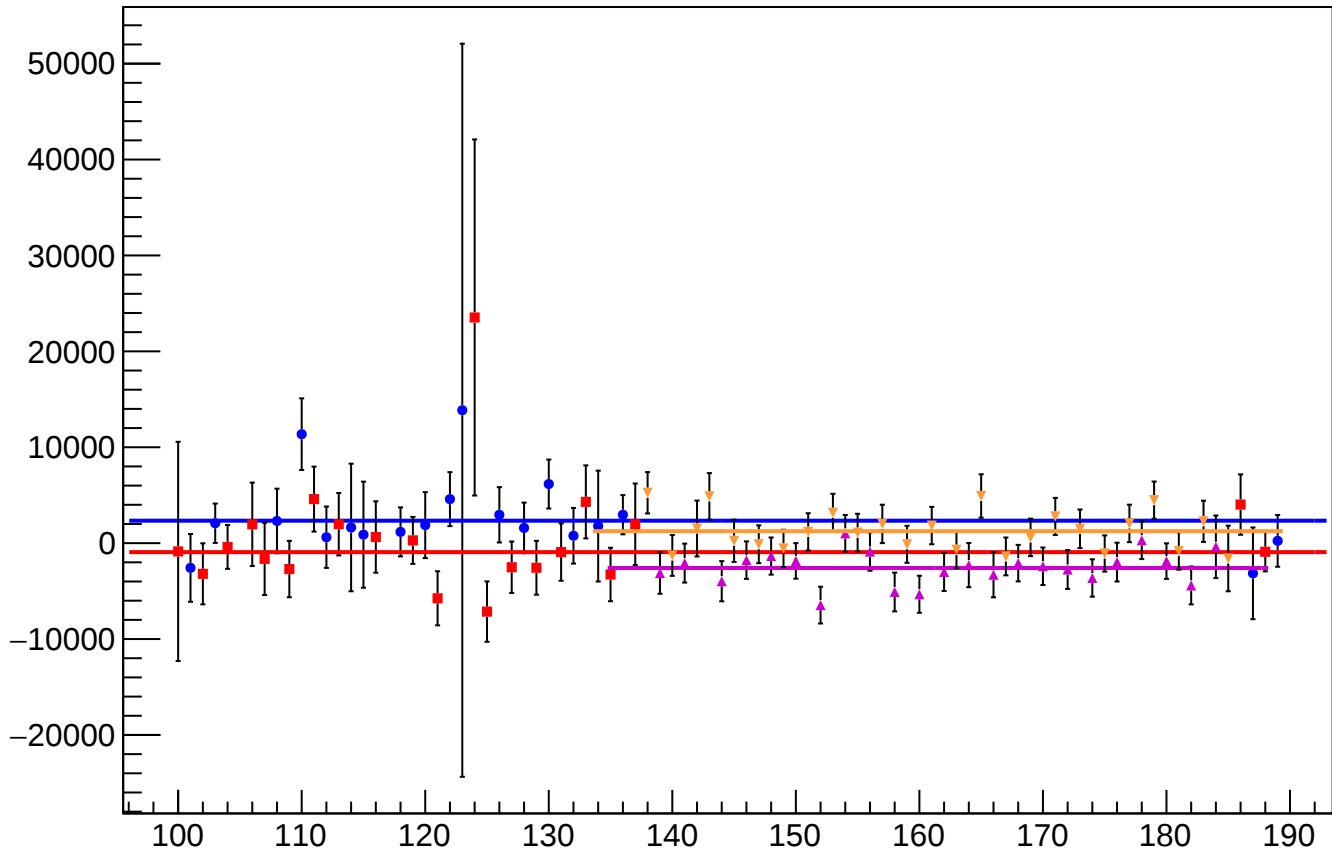
Left In: 2020.802 ± 0.343 χ^2/NDF : 173502.0/22

+ sign 2133.658 ± 0.303 χ^2/NDF : 1657858.7/43

All: 2126.679 ± 0.214 χ^2/NDF : 3056817.6/87

- sign 2119.818 ± 0.301 χ^2/NDF : 1397909.6/43

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2340.801 $\pm$ 710.375 χ^2 /NDF: 13.8/18

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF:23.0/24

Right Out: -935.652 $\pm$ 680.730 χ^2 /NDF: 20.0/20

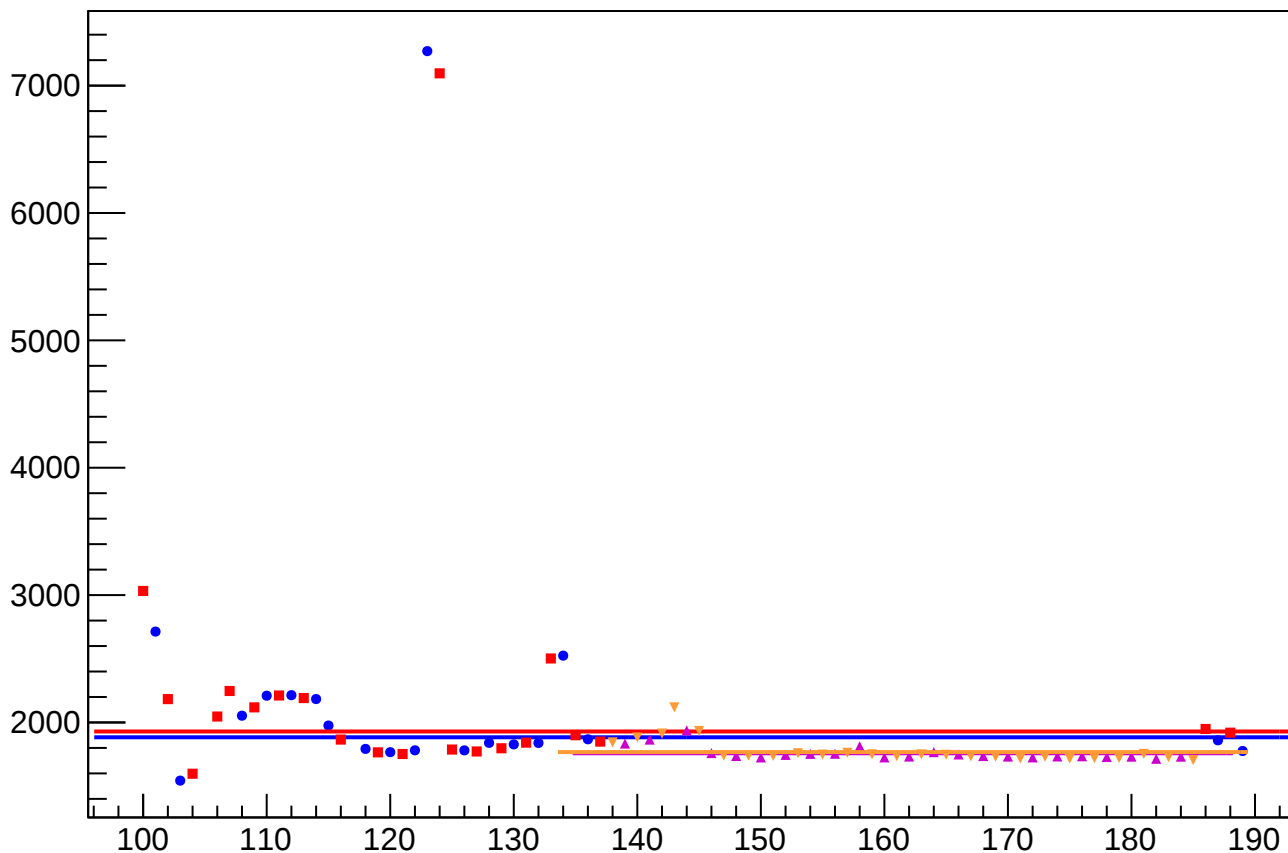
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1524.983 $\pm$ 356.711 χ^2 /NDF: 38.6/43

All: -293.670 $\pm$ 252.817 χ^2 /NDF: 132.6/87

- sign -2129.283 $\pm$ 358.370 χ^2 /NDF: 41.8/43

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1883.600+/-0.502 χ^2/NDF : 291233.9/18

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1929.108+/-0.481 χ^2/NDF : 360401.6/20

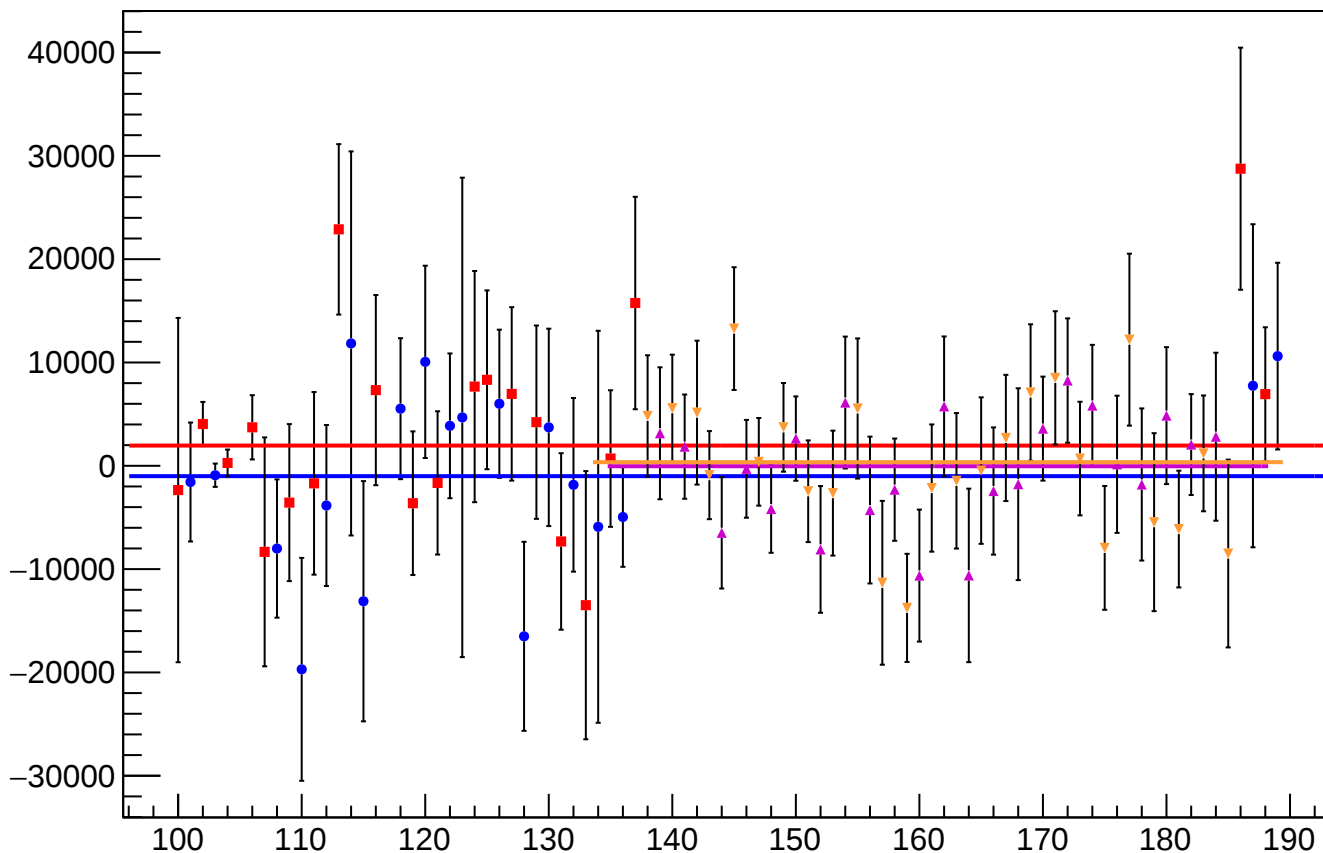
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1796.787+/-0.252 χ^2/NDF : 408848.9/43

All: 1801.159+/-0.179 χ^2/NDF : 891096.8/87

- sign 1805.569+/-0.253 χ^2/NDF : 481644.4/43

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1002.385 ± 977.533 χ^2/NDF : 15.5/18

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 1957.892 ± 929.290 χ^2/NDF : 23.8/20

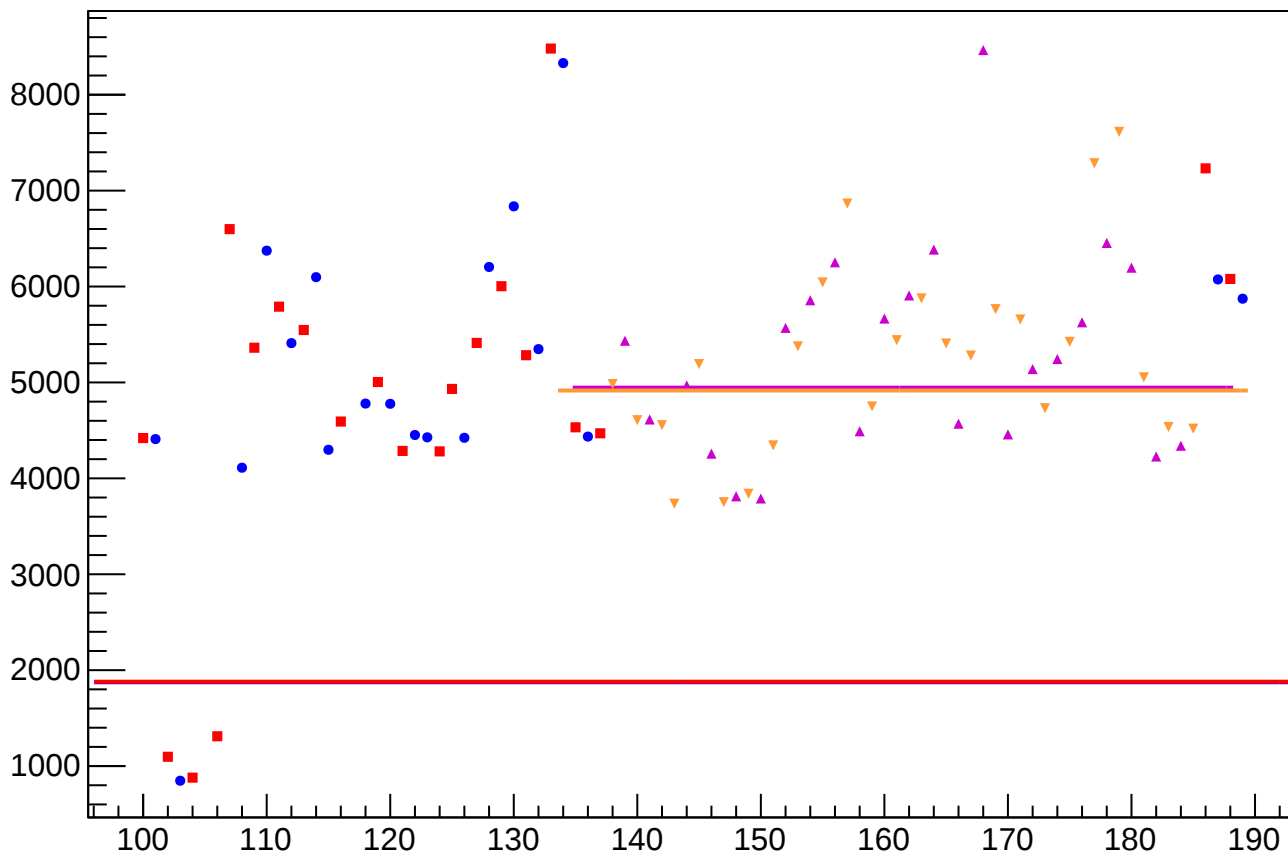
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -445.955 ± 750.176 χ^2/NDF : 44.1/43

All: 399.607 ± 525.533 χ^2/NDF : 88.1/87

- sign 1214.499 ± 736.445 χ^2/NDF : 41.5/43

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1874.316 $\pm$ 0.691 χ^2 /NDF: 6983152.7/18

Left Out: 4915.865 $\pm$ 0.827 χ^2 /NDF:1186479.7/24

Right Out: 1879.832 $\pm$ 0.657 χ^2 /NDF: 7589848.4/20

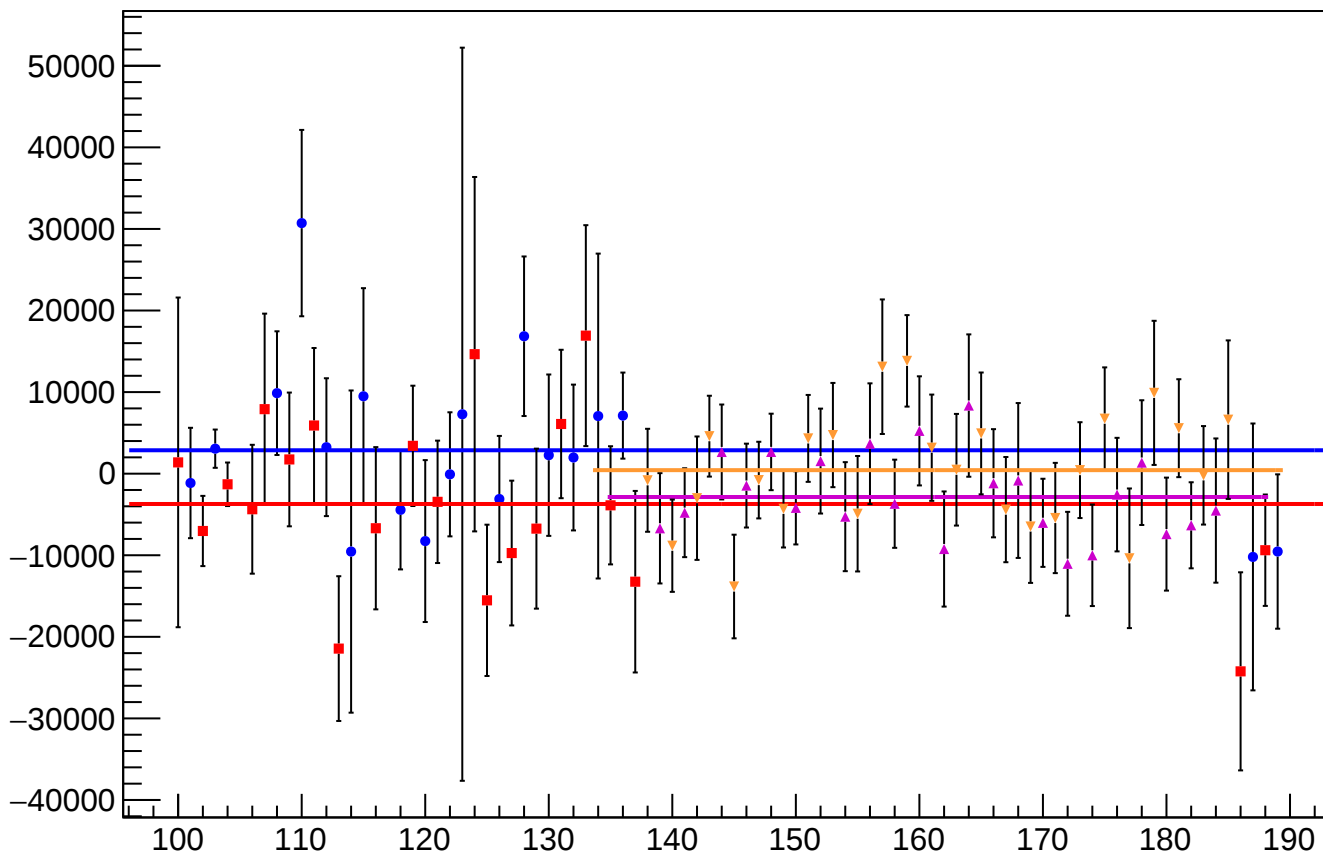
Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

+ sign 3124.608 $\pm$ 0.530 χ^2 /NDF: 16128895.6/43

All: 3071.490 $\pm$ 0.372 χ^2 /NDF: 33024758.4/8

- sign 3020.299 $\pm$ 0.521 χ^2 /NDF: 16876171.7/43

asym_atl1r2_avg_mean vs Slug



Right In: 2868.660 $\pm$ 1579.089 χ^2 /NDF: 15.9/18

Left Out: 430.860 $\pm$ 1258.273 χ^2 /NDF:27.1/24

Right Out: -3716.501 $\pm$ 1552.361 χ^2 /NDF: 19.6/20

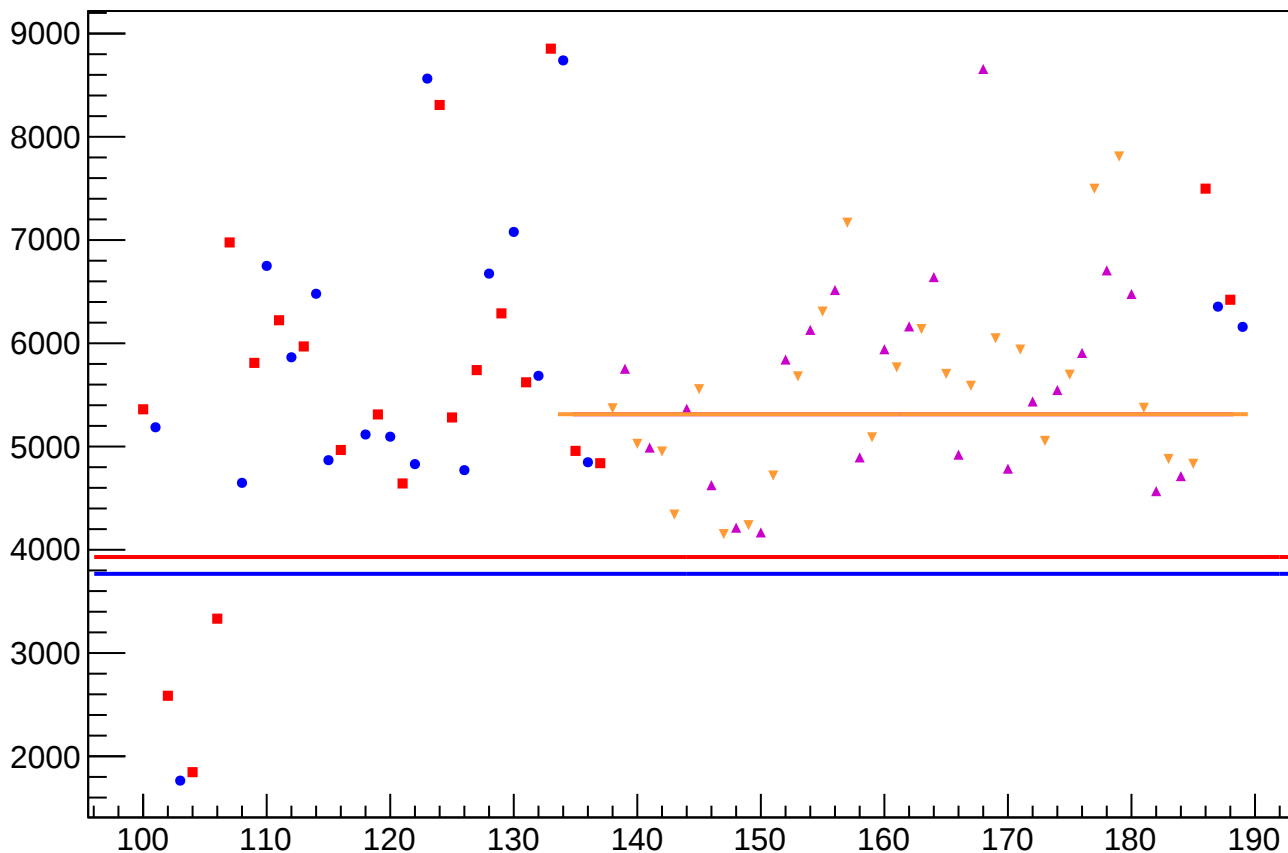
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1377.601 $\pm$ 984.064 χ^2 /NDF: 44.5/43

All: -895.365 $\pm$ 699.048 χ^2 /NDF: 87.9/87

- sign -3210.755 $\pm$ 993.205 χ^2 /NDF: 32.7/43

asym_atl1r2_avg_rms vs Slug



Right In: 3766.997 $\pm$ 1.117 χ^2 /NDF: 2964953.1/18

Left Out: 5313.008 $\pm$ 0.890 χ^2 /NDF: 894369.8/24

Right Out: 3929.862 $\pm$ 1.091 χ^2 /NDF: 3162435.8/20

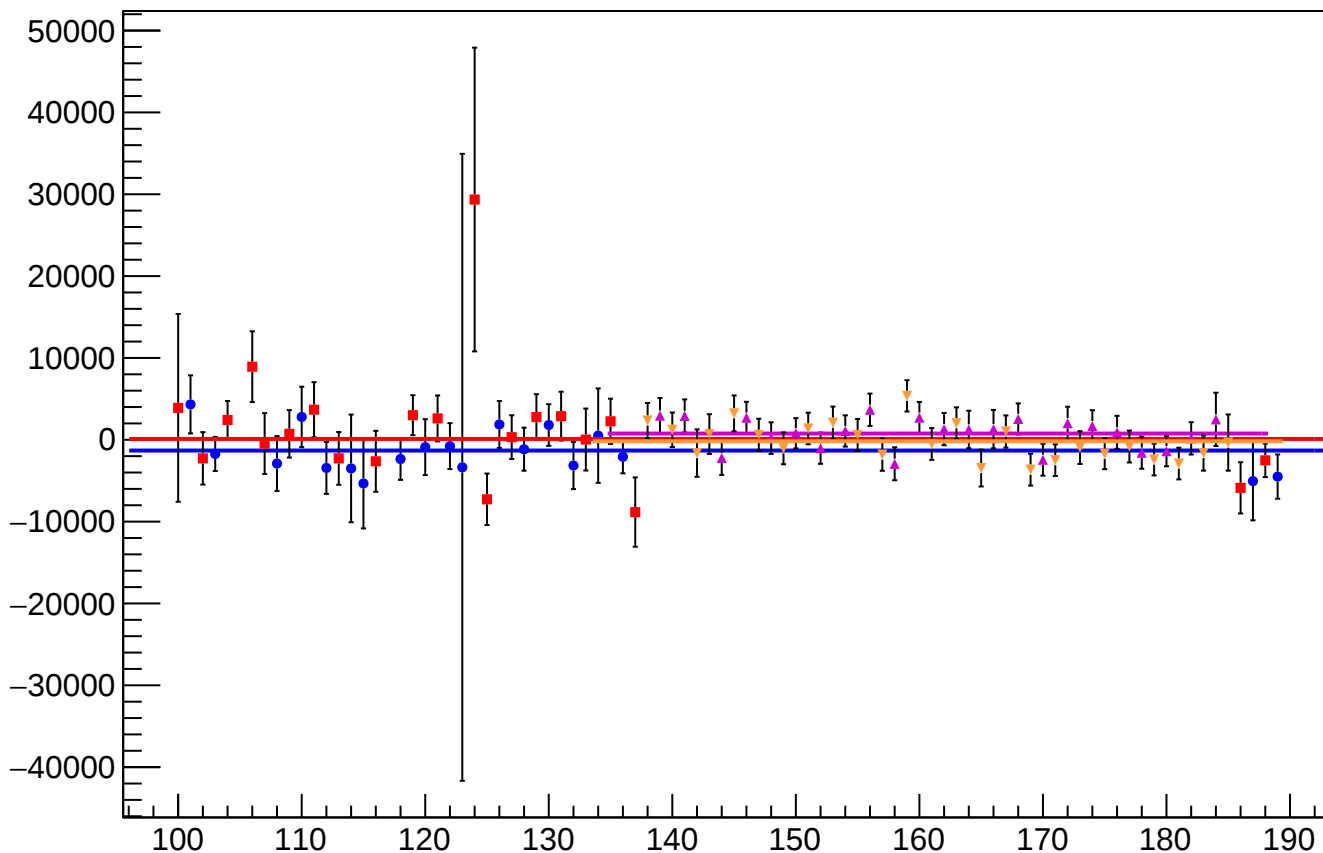
Left In: 5312.861 $\pm$ 0.914 χ^2 /NDF: 957400.7/22

+ sign 4712.601 $\pm$ 0.696 χ^2 /NDF: 5031892.3/43

All: 4727.482 $\pm$ 0.494 χ^2 /NDF: 10097160.8/8

- sign 4742.564 $\pm$ 0.701 χ^2 /NDF: 5064347.6/43

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1314.364 $\pm$ 708.443 χ^2 /NDF: 10.7/18

Left Out: -179.794 $\pm$ 410.976 χ^2 /NDF: 29.3/24

Right Out: 103.761 $\pm$ 679.075 χ^2 /NDF: 30.4/20

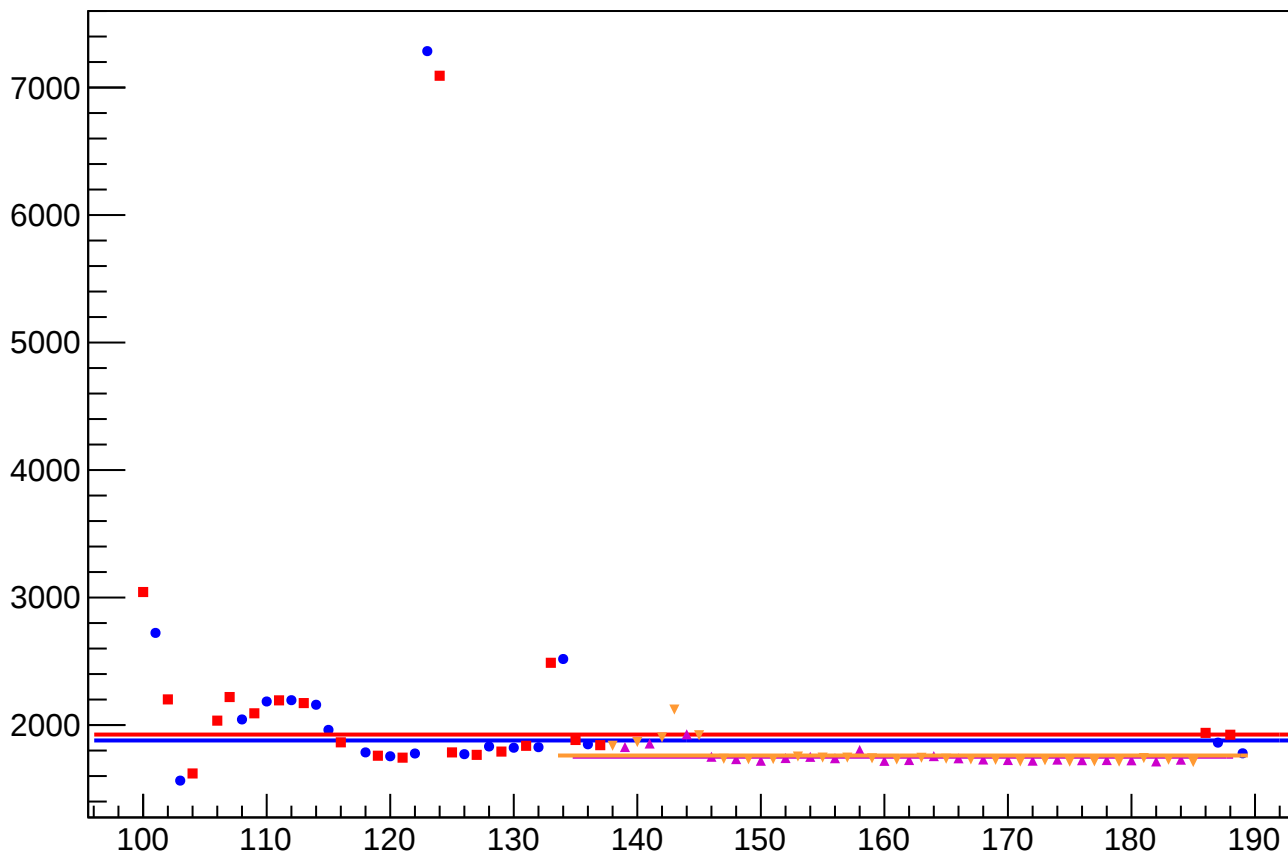
Left In: 759.753 $\pm$ 419.905 χ^2 /NDF: 20.3/22

+ sign -465.471 $\pm$ 355.490 χ^2 /NDF: 41.9/43

All: 53.998 $\pm$ 251.951 χ^2 /NDF: 97.6/87

- sign 578.308 $\pm$ 357.142 χ^2 /NDF: 51.4/43

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1879.043 ± 0.501 χ^2/NDF : 282189.9/18

Left Out: 1761.091 ± 0.291 χ^2/NDF : 77468.5/24

Right Out: 1925.372 ± 0.480 χ^2/NDF : 349593.9/20

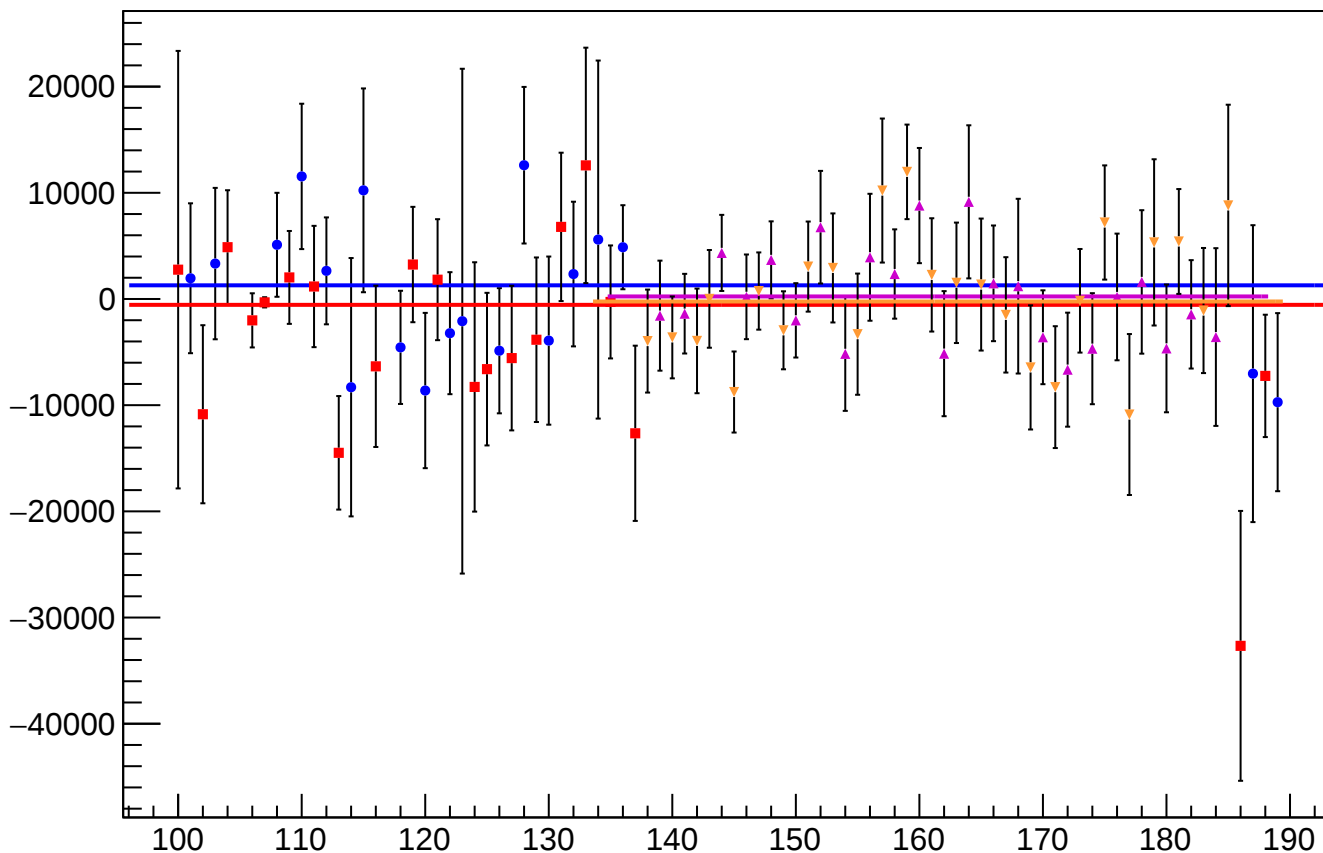
Left In: 1751.418 ± 0.297 χ^2/NDF : 28578.7/22

+ sign 1790.790 ± 0.251 χ^2/NDF : 401140.2/43

All: 1795.189 ± 0.178 χ^2/NDF : 875049.3/87

- sign 1799.625 ± 0.252 χ^2/NDF : 473294.1/43

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1286.861 $\pm$ 1548.151 χ^2 /NDF: 15.0/18

Left Out: -235.806 $\pm$ 1005.144 χ^2 /NDF: 28.9/24

Right Out: -552.011 $\pm$ 452.078 χ^2 /NDF: 25.9/20

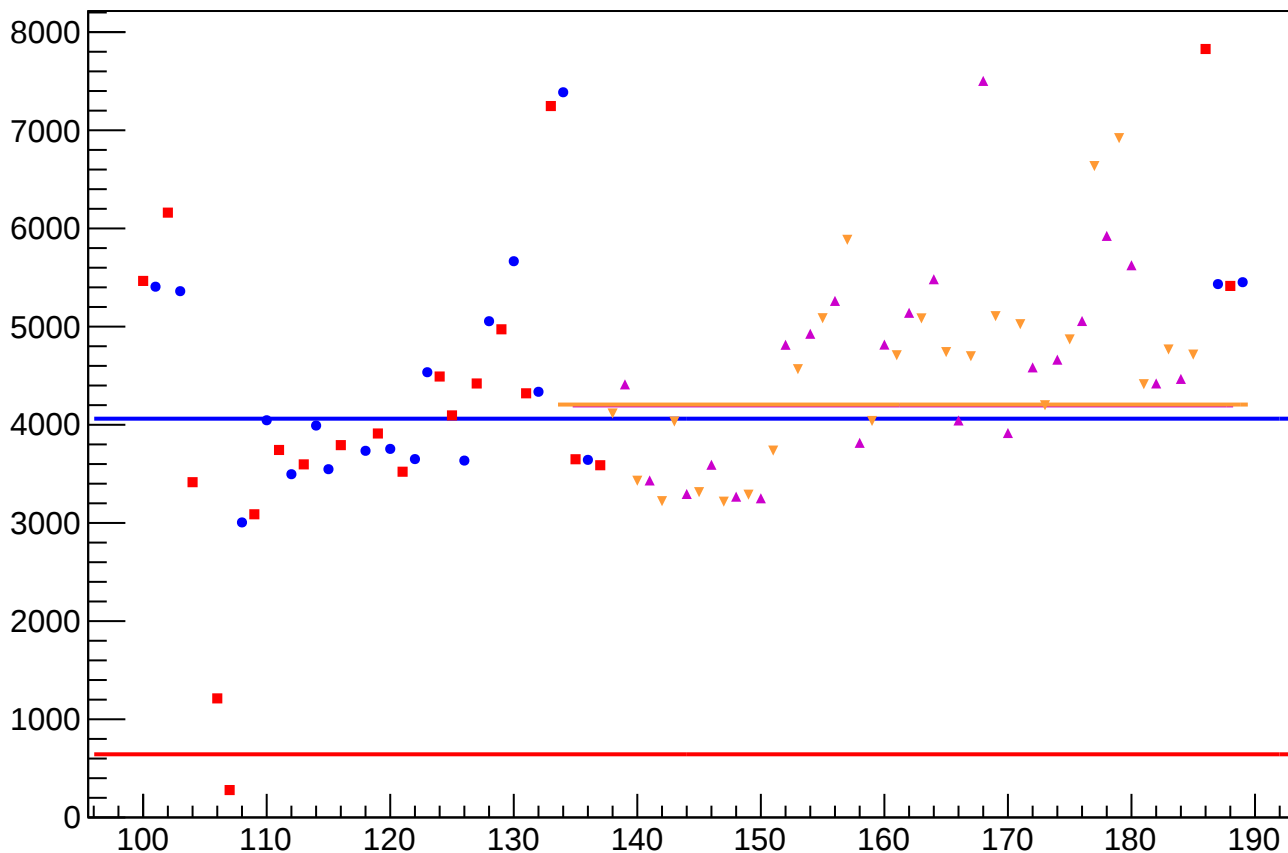
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF: 15.3/22

+ sign 215.715 $\pm$ 843.043 χ^2 /NDF: 44.6/43

All: -299.736 $\pm$ 371.528 χ^2 /NDF: 86.7/87

- sign -423.974 $\pm$ 413.887 χ^2 /NDF: 41.7/43

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4062.173+/-1.095 χ^2/NDF : 591942.3/18

Left Out: 4206.076+/-0.711 χ^2/NDF : 1442269.3/24

Right Out: 643.347+/-0.320 χ^2/NDF : 12238369.0/20

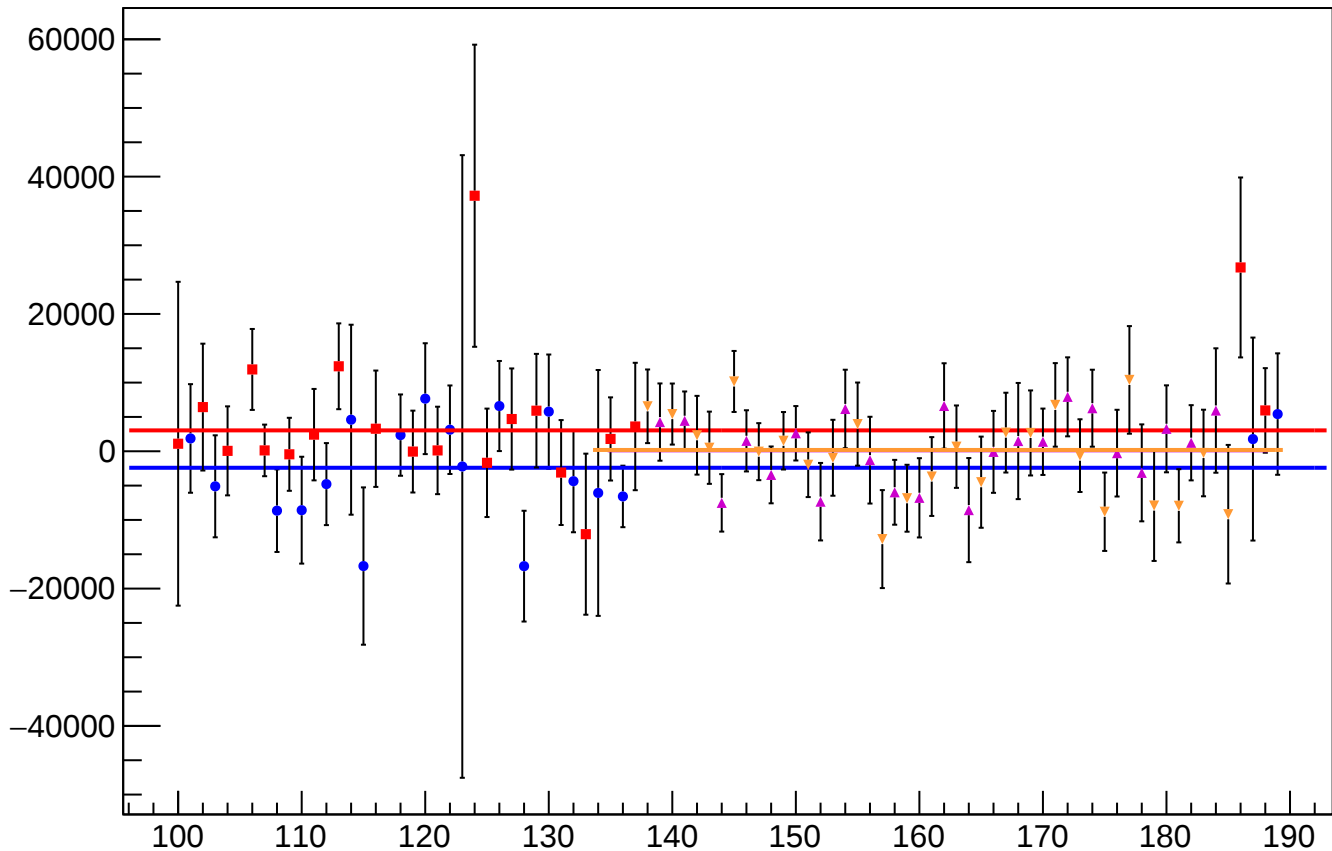
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4163.404+/-0.596 χ^2/NDF : 2046367.5/43

All: 1790.399+/-0.263 χ^2/NDF : 55422348.7/8

- sign 1218.442+/-0.293 χ^2/NDF : 33710325.1/43

asym_atl1r2_dd_mean vs Slug



Right In: -2403.730 ± 1743.446 χ^2/NDF : 14.9/18

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 3040.699 ± 1518.294 χ^2/NDF : 15.2/20

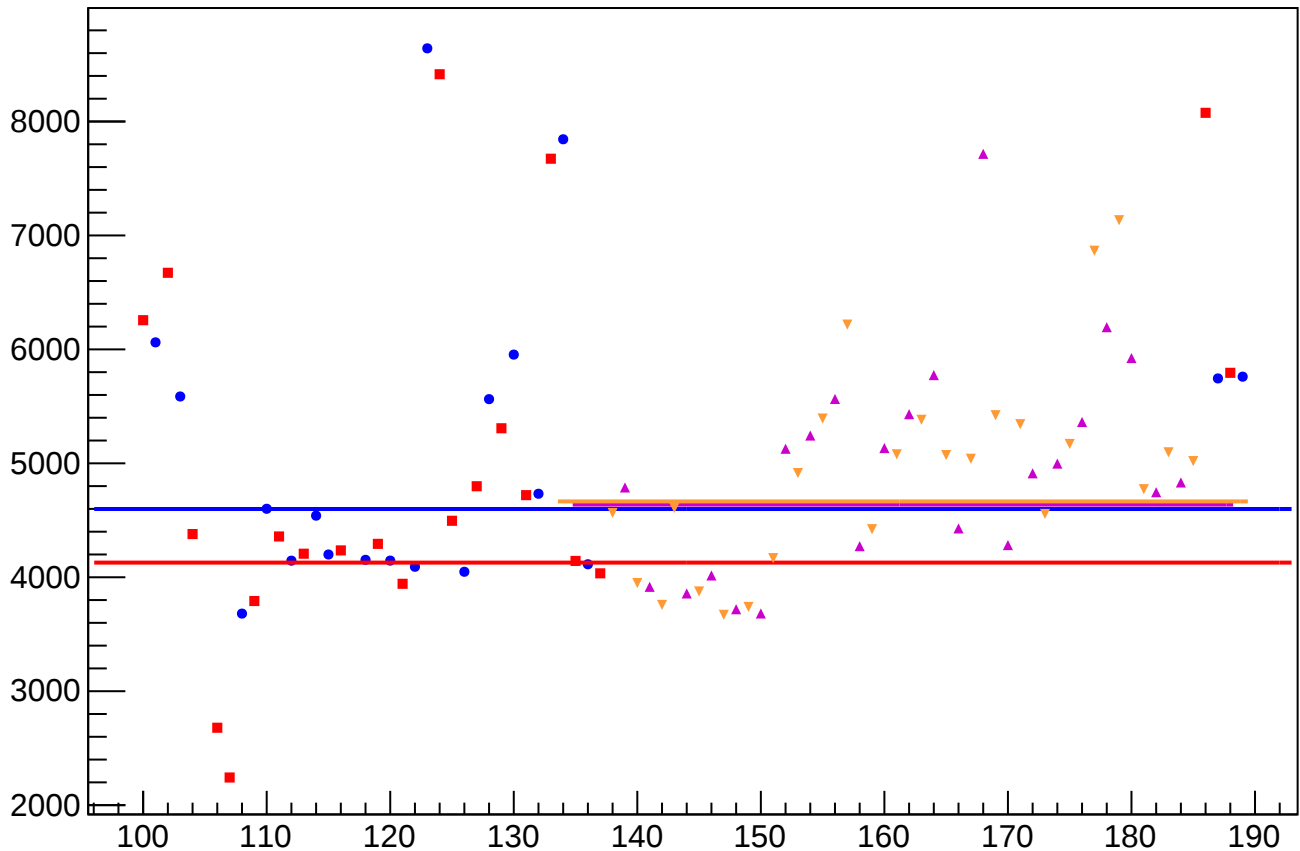
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -555.296 ± 934.442 χ^2/NDF : 41.5/43

All: 334.723 ± 650.578 χ^2/NDF : 79.3/87

- sign 1171.969 ± 906.315 χ^2/NDF : 36.1/43

asym_atl1r2_dd_rms vs Slug



Right In: 4599.219+/-1.233 χ^2/NDF : 442299.0/18

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

+ sign 4646.545+/-0.661 χ^2/NDF : 1461601.6/43

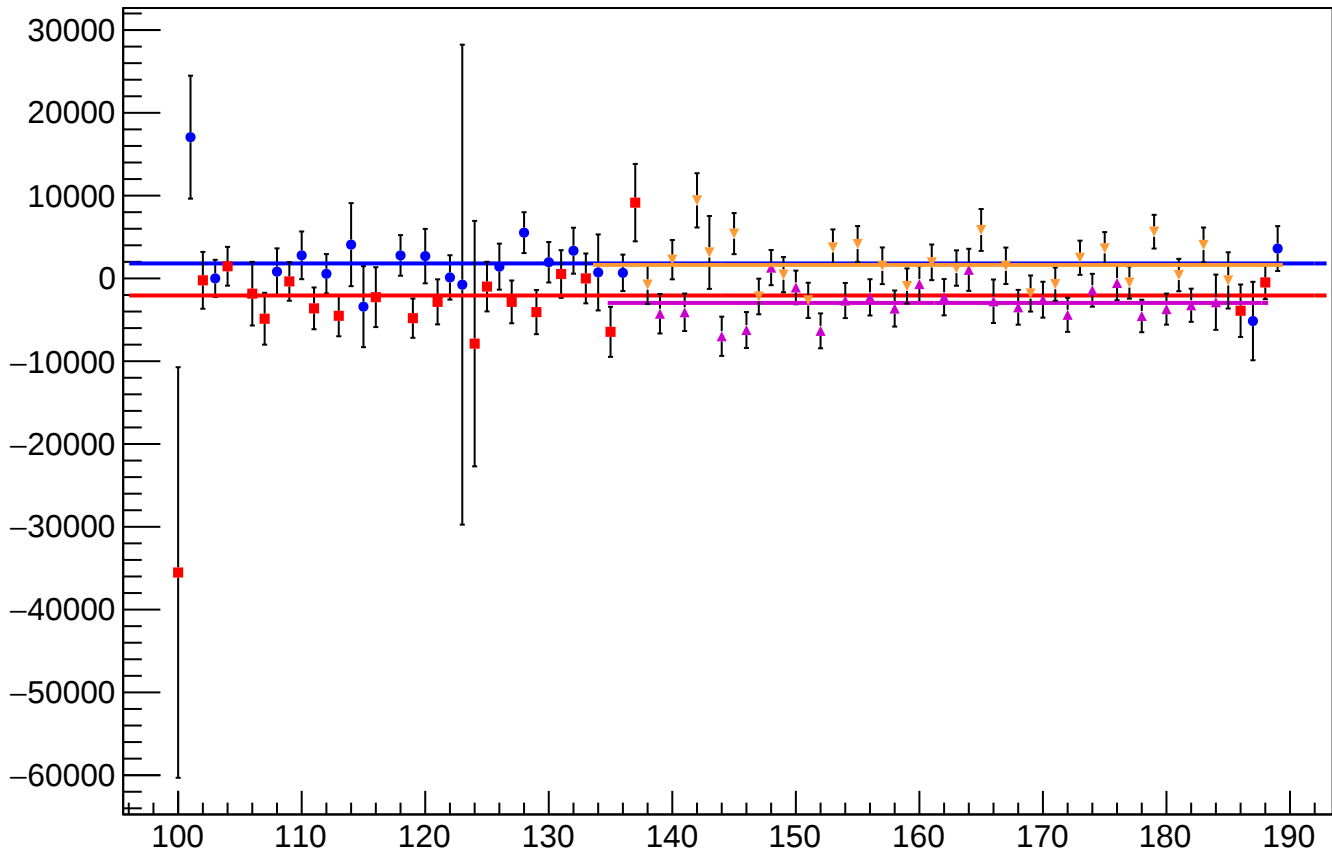
Right Out: 4128.724+/-1.067 χ^2/NDF : 1491847.2/20

All: 4547.640+/-0.460 χ^2/NDF : 4207886.3/87

Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

- sign 4454.995+/-0.639 χ^2/NDF : 2702890.9/43

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1809.882 $\pm$ 682.522 χ^2 /NDF: 12.9/18

Left Out: 1630.035 $\pm$ 447.063 χ^2 /NDF: 35.4/24

Right Out: -2060.512 $\pm$ 636.603 χ^2 /NDF: 19.5/20

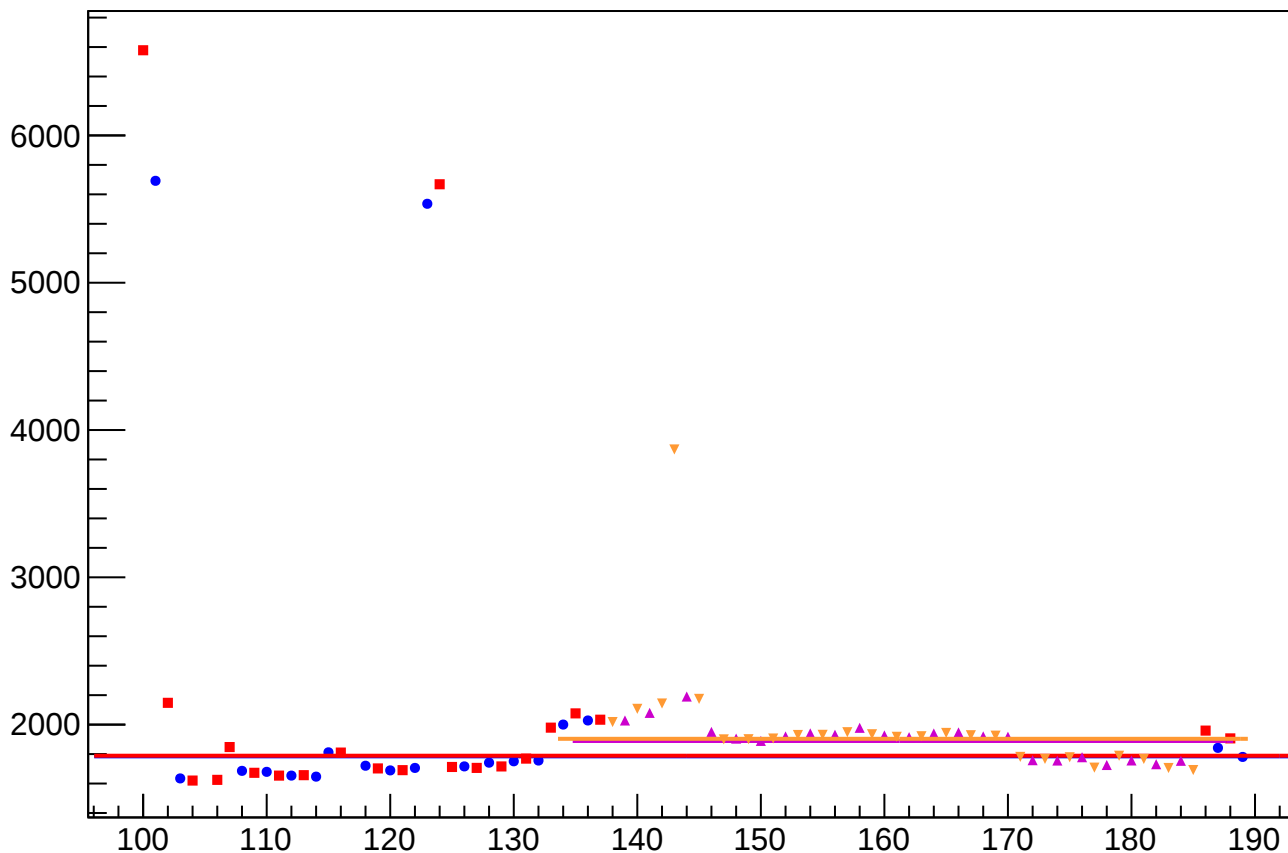
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1684.031 $\pm$ 373.978 χ^2 /NDF: 48.4/43

All: -512.397 $\pm$ 262.832 χ^2 /NDF: 157.8/87

- sign -2656.114 $\pm$ 369.463 χ^2 /NDF: 41.2/43

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1784.518 $\pm$ 0.483 χ^2 /NDF: 644931.0/18

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1788.818 $\pm$ 0.447 χ^2 /NDF: 320506.4/20

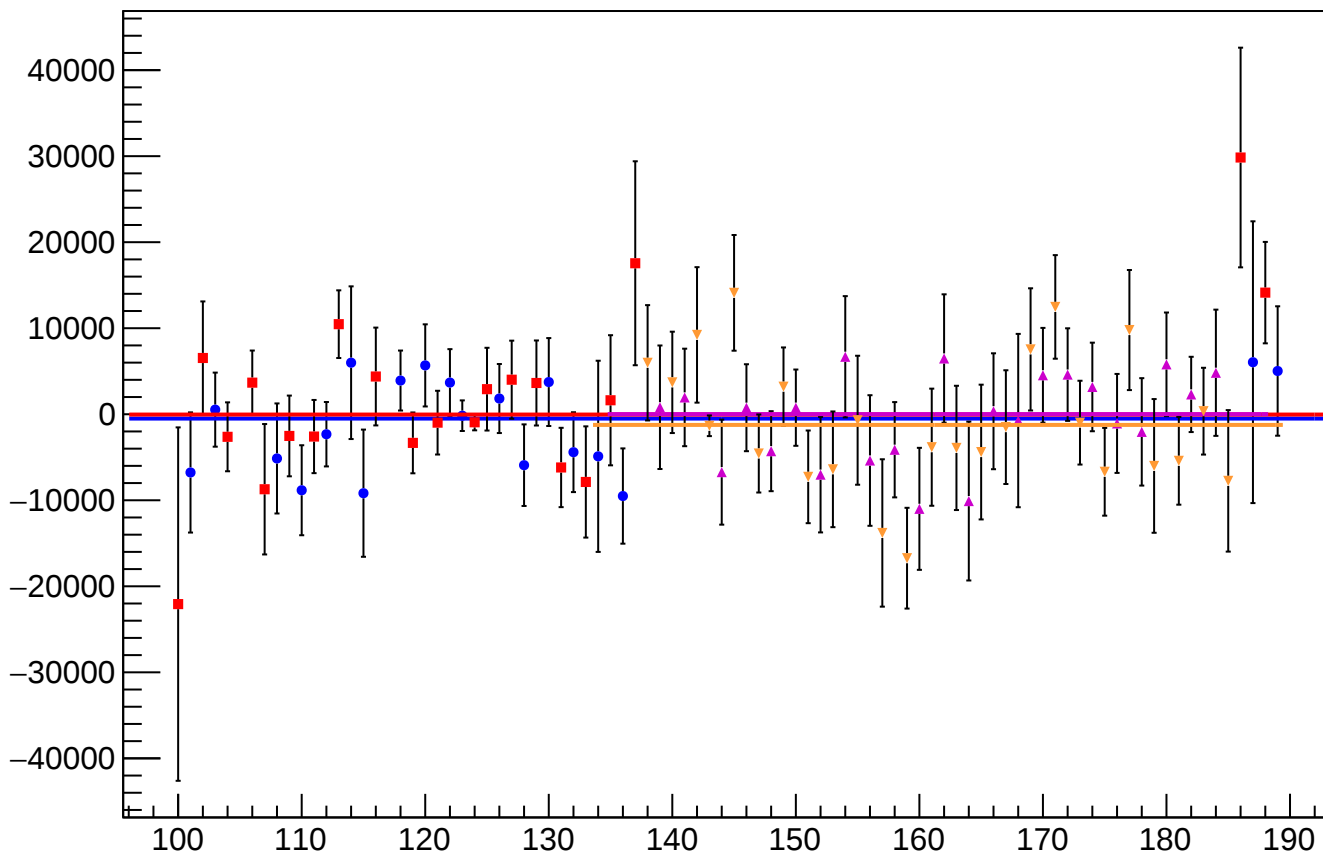
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1867.860 $\pm$ 0.264 χ^2 /NDF: 1229122.8/43

All: 1861.309 $\pm$ 0.186 χ^2 /NDF: 1710315.9/87

- sign 1854.941 $\pm$ 0.261 χ^2 /NDF: 479982.7/43

asym_atr1l2_avg_correction_mean vs Slug



Right In: -503.380 ± 1000.107 χ^2/NDF : 17.1/18

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: -36.399 ± 719.293 χ^2/NDF : 33.6/20

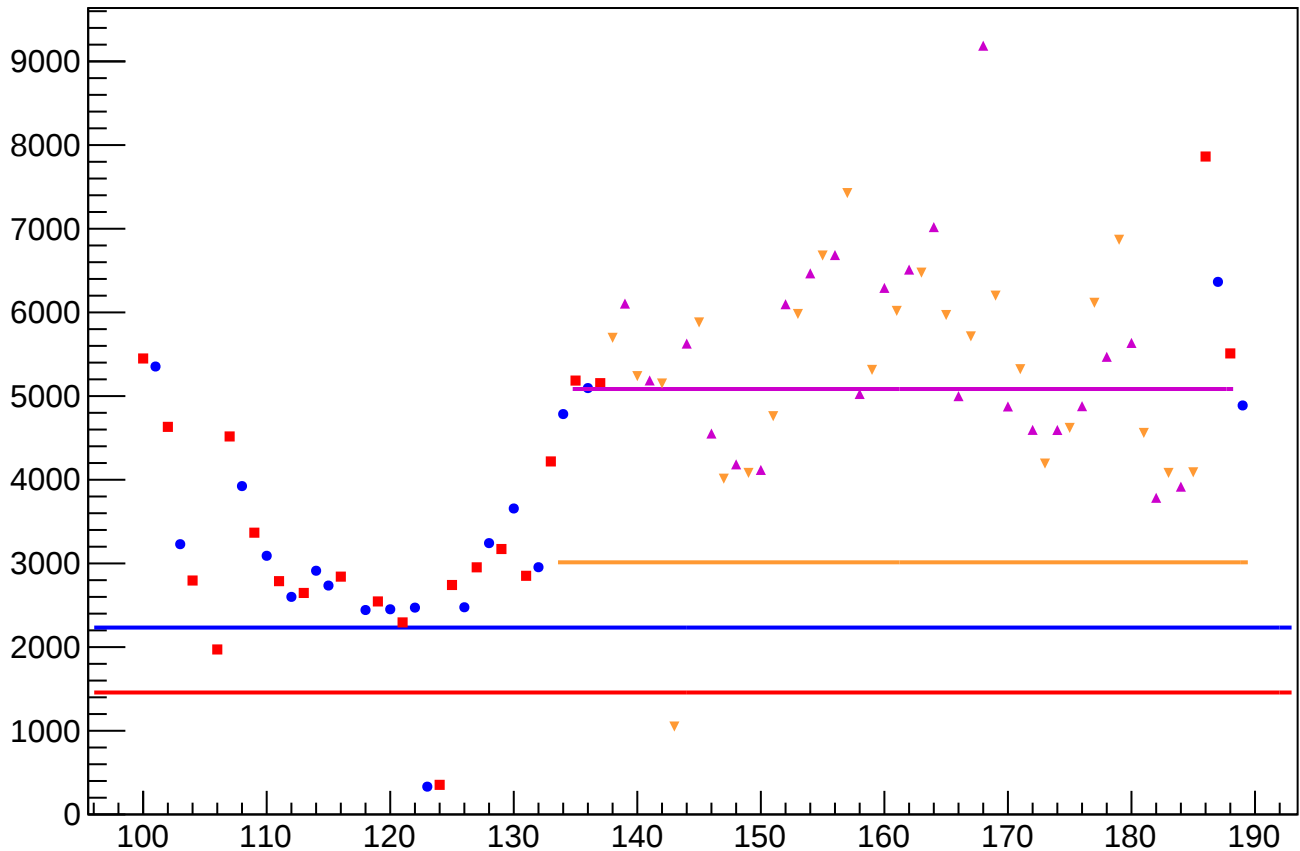
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -924.592 ± 654.327 χ^2/NDF : 51.3/43

All: -451.568 ± 451.047 χ^2/NDF : 99.1/87

- sign -23.294 ± 622.608 χ^2/NDF : 46.8/43

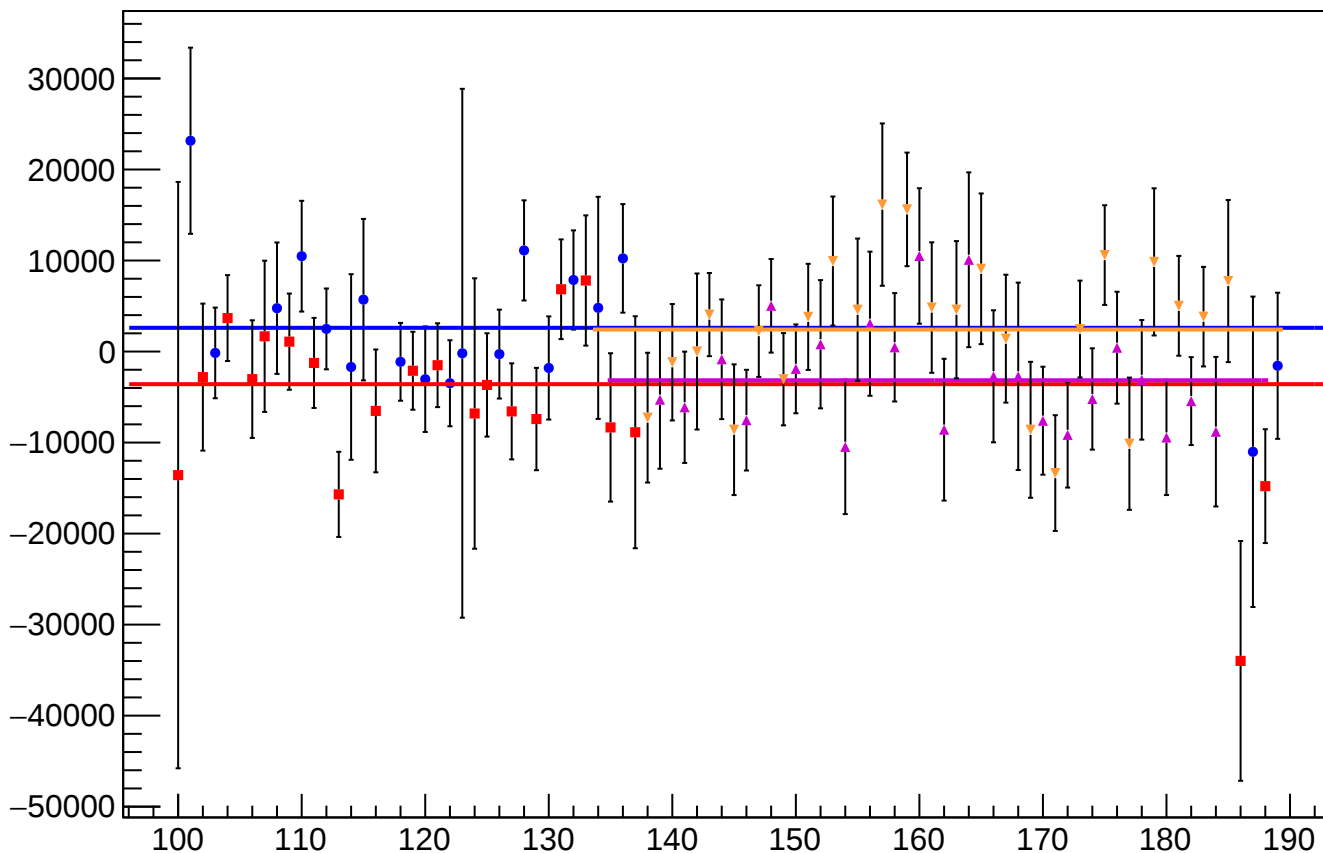
asym_atr1l2_avg_correction_rms vs Slug



Right In: 2233.606 $\pm$ 0.707 χ^2 /NDF: 4362355.7/18
 Left Out: 3013.268 $\pm$ 0.612 χ^2 /NDF:12270753.9/24
 Right Out: 1457.496 $\pm$ 0.509 χ^2 /NDF: 8312544.7/20
 Left In: 5084.645 $\pm$ 0.879 χ^2 /NDF:1303587.7/22

+ sign 2679.531 $\pm$ 0.463 χ^2 /NDF: 17328304.8/43
 All: 2515.536 $\pm$ 0.319 χ^2 /NDF: 39936903.1/8
 - sign 2367.055 $\pm$ 0.440 χ^2 /NDF: 22369218.6/43

asym_atr1l2_avg_mean vs Slug



Right In: 2607.194+/-1423.985 χ^2/NDF : 16.6/18

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -3585.694+/-1343.263 χ^2/NDF : 27.1/20

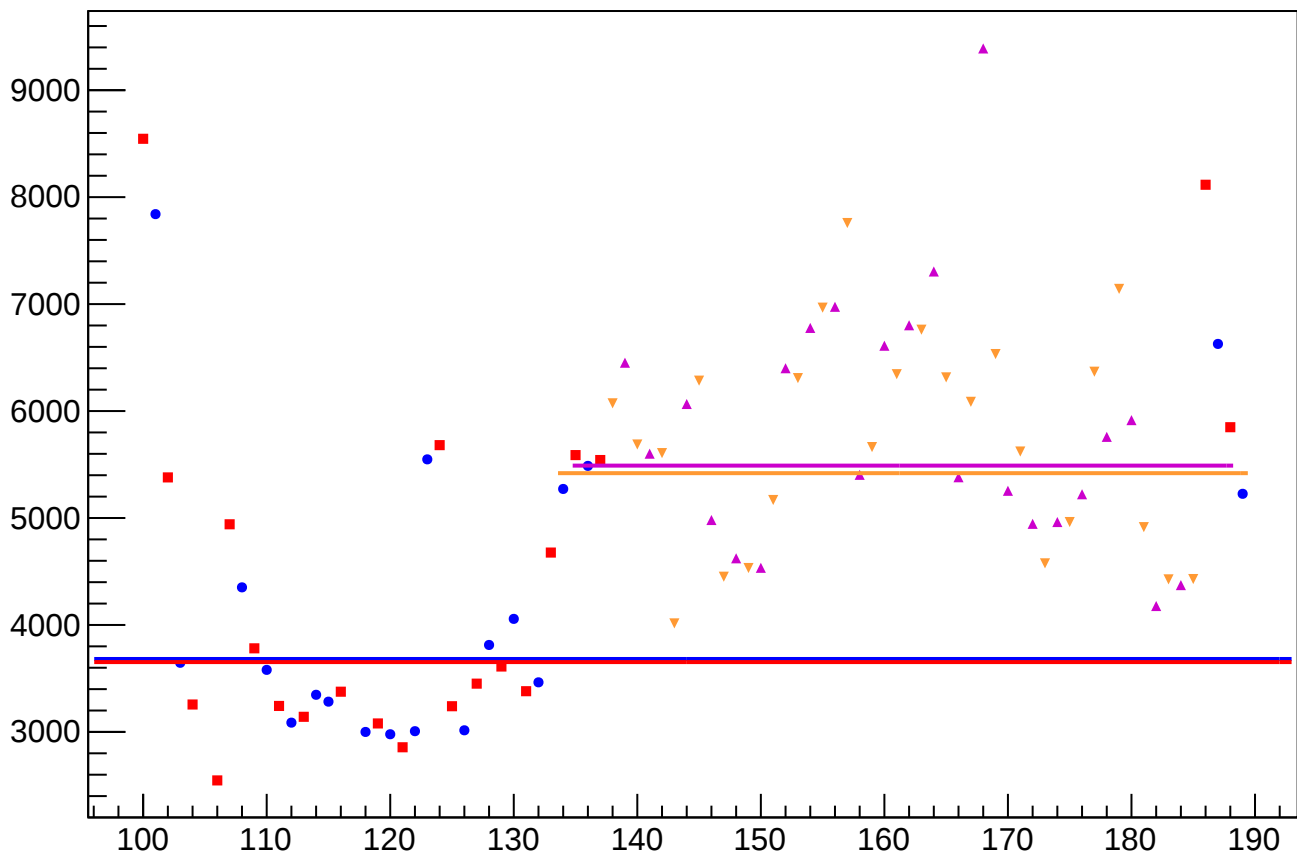
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2502.589+/-954.601 χ^2/NDF : 46.5/43

All: -454.182+/-672.567 χ^2/NDF : 108.3/87

- sign -3368.622+/-947.743 χ^2/NDF : 42.7/43

asym_atr1l2_avg_rms vs Slug



Right In: 3681.931+/-1.007 χ^2/NDF : 921834.5/18

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 3652.992+/-0.937 χ^2/NDF : 1162796.6/20

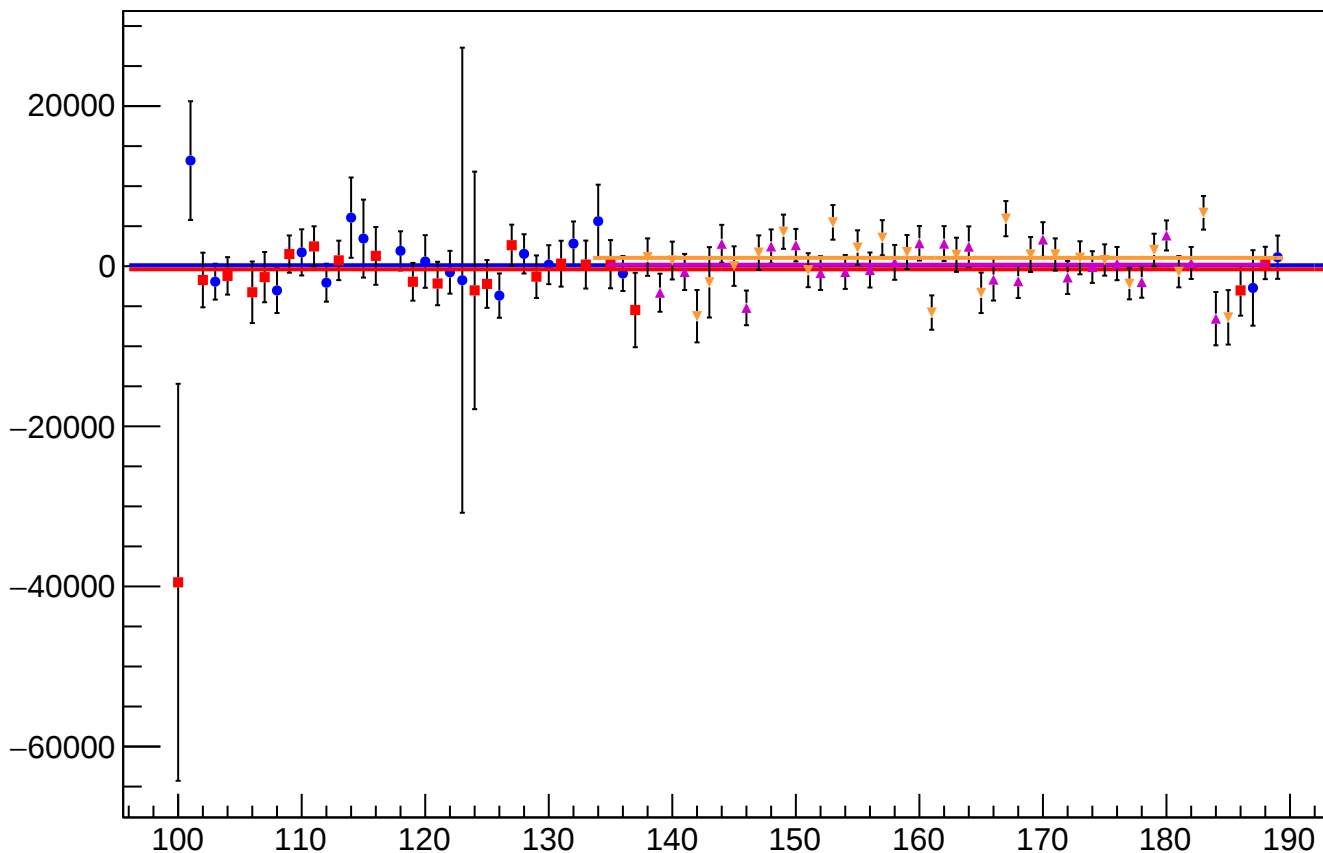
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4638.524+/-0.675 χ^2/NDF : 3671056.7/43

All: 4600.375+/-0.474 χ^2/NDF : 7807799.5/87

- sign 4563.269+/-0.666 χ^2/NDF : 4130441.8/43

reg_asym_atr1l2_dd_mean vs Slug



Right In: 120.749 $\pm$ 680.472 χ^2 /NDF: 14.2/18

Left Out: 1041.262 $\pm$ 446.249 χ^2 /NDF: 48.6/24

Right Out: -386.809 $\pm$ 634.442 χ^2 /NDF: 10.8/20

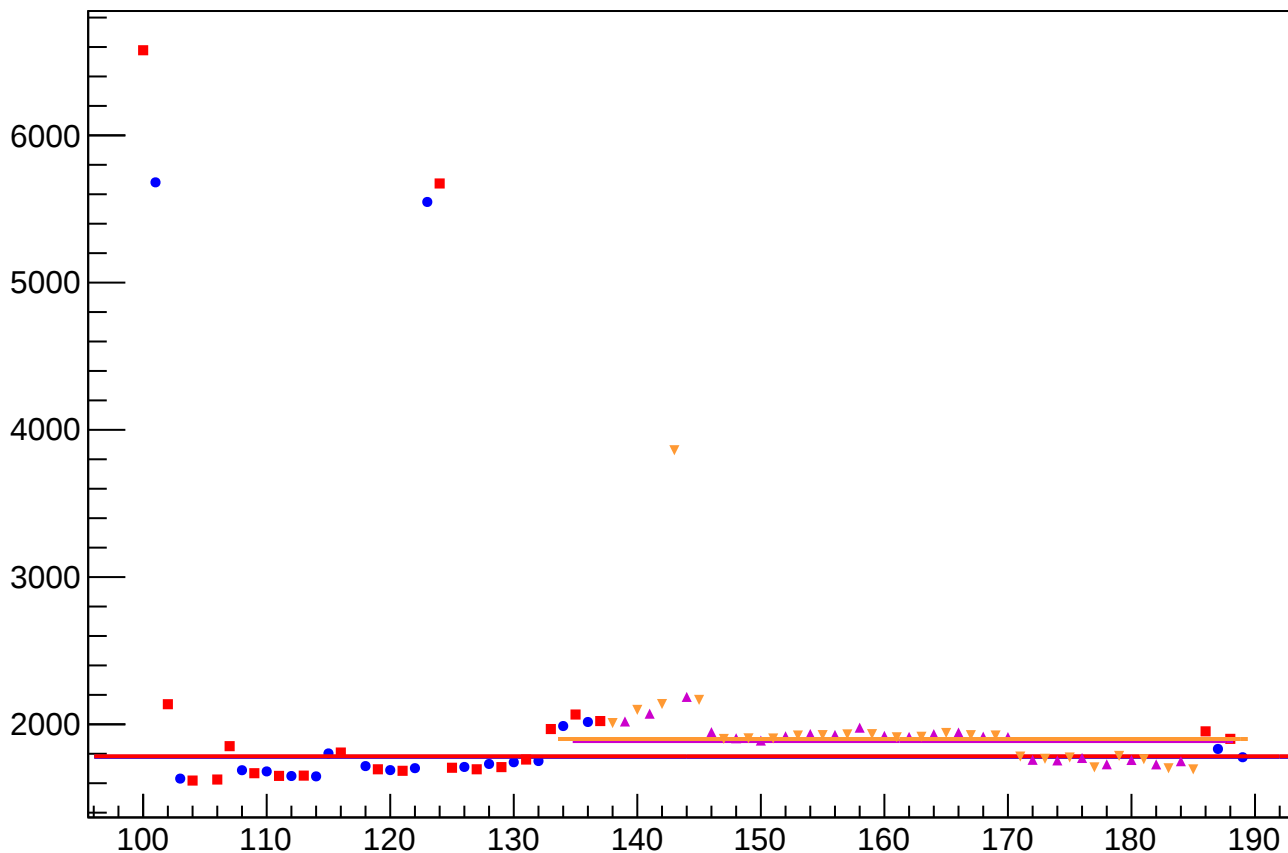
Left In: 191.966 $\pm$ 453.055 χ^2 /NDF: 30.0/22

+ sign 764.435 $\pm$ 373.164 χ^2 /NDF: 64.1/43

All: 375.846 $\pm$ 262.274 χ^2 /NDF: 107.5/87

- sign -3.499 $\pm$ 368.698 χ^2 /NDF: 41.3/43

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1779.227 $\pm$ 0.481 χ^2 /NDF: 643247.4/18

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1782.859 $\pm$ 0.446 χ^2 /NDF: 319949.4/20

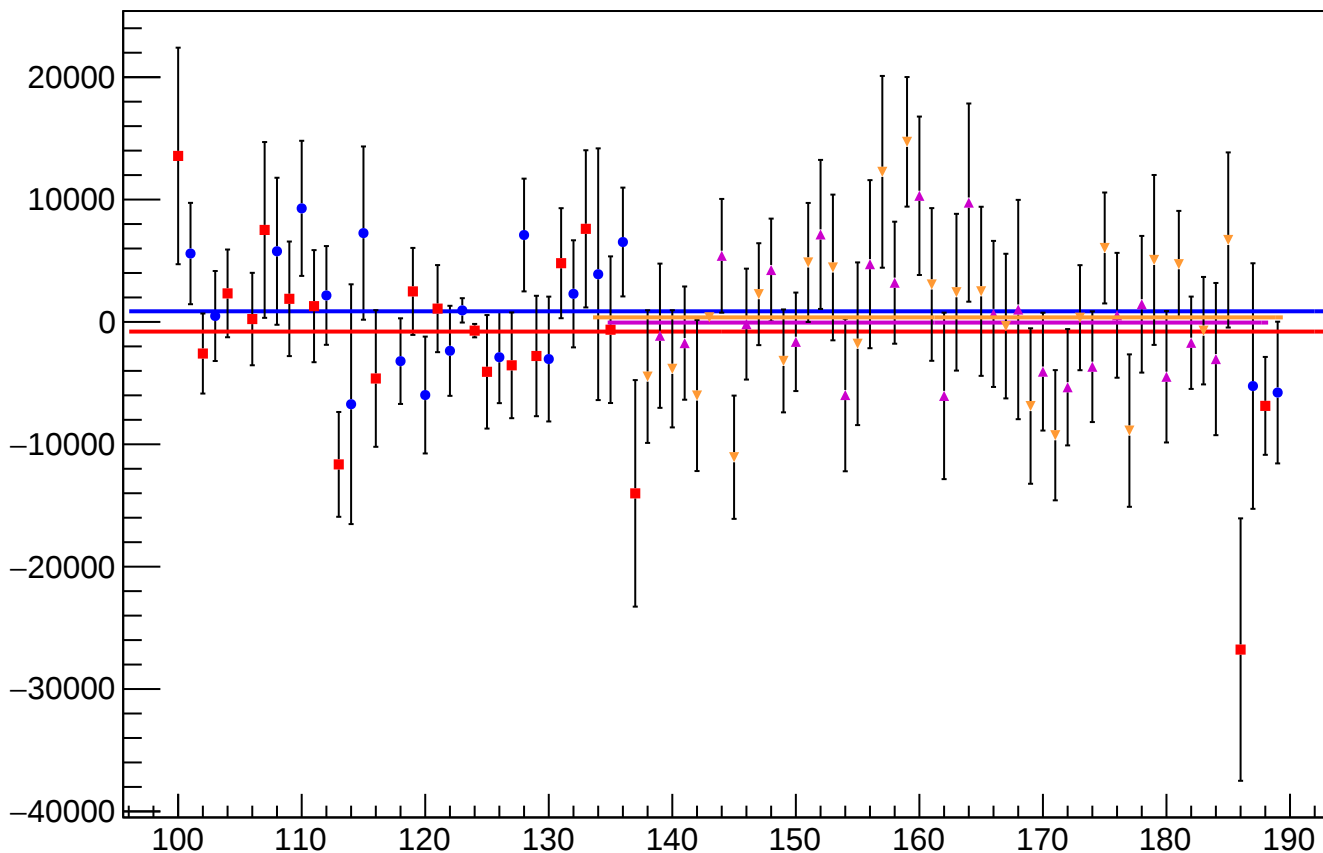
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1863.886 $\pm$ 0.264 χ^2 /NDF: 1225409.7/43

All: 1857.425 $\pm$ 0.185 χ^2 /NDF: 1705602.0/87

- sign 1851.143 $\pm$ 0.260 χ^2 /NDF: 479009.8/43

asym_atr1l2_dd_correction_mean vs Slug



Right In: 869.084 ± 744.968 χ^2/NDF : 16.9/18

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -788.063 ± 484.183 χ^2/NDF : 28.2/20

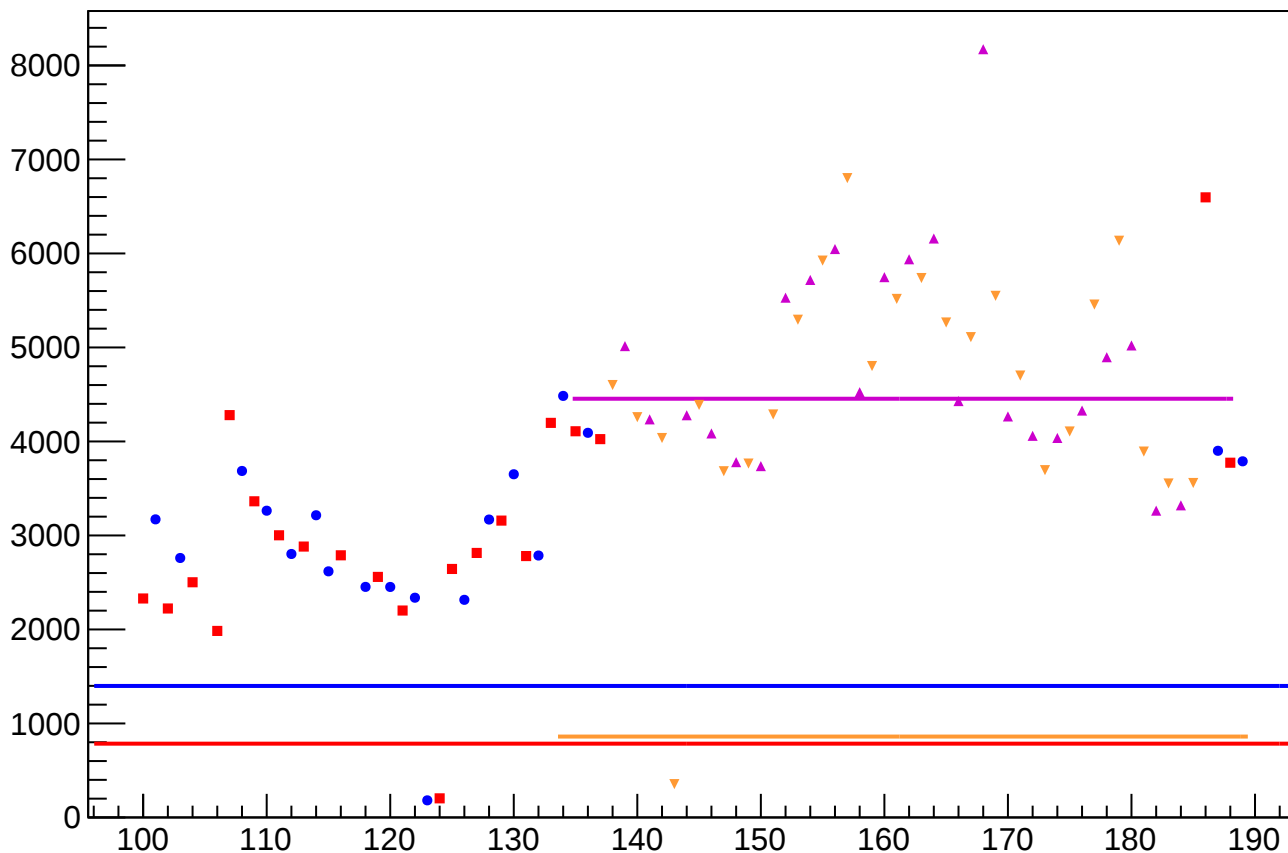
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 476.532 ± 339.967 χ^2/NDF : 48.1/43

All: 52.093 ± 269.585 χ^2/NDF : 95.4/87

- sign -666.920 ± 442.484 χ^2/NDF : 43.1/43

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1399.010+/-0.527 χ^2/NDF : 7310849.4/18

Left Out: 860.545+/-0.270 χ^2/NDF : 26340106.5/24

Right Out: 785.005+/-0.342 χ^2/NDF : 11211369.4/20

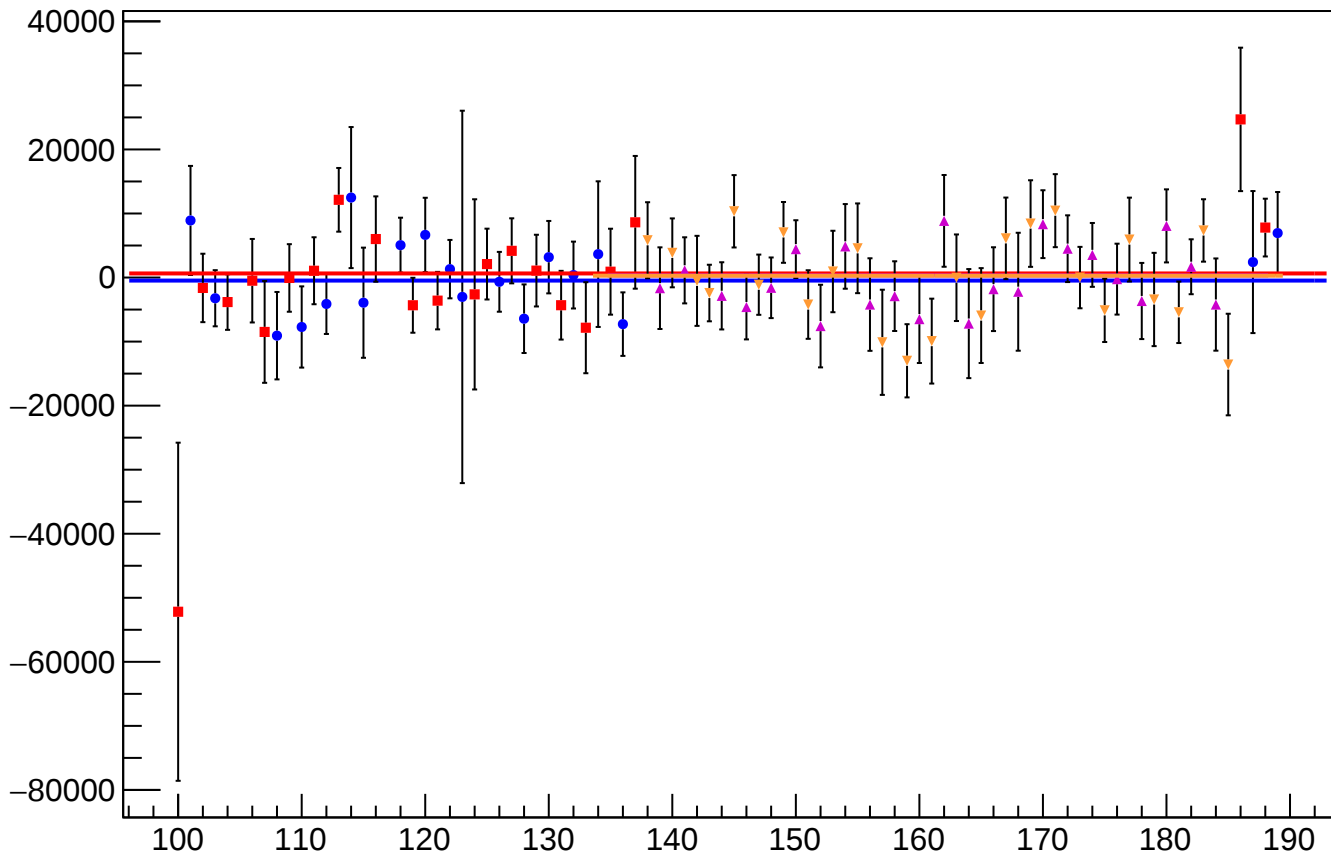
Left In: 4454.402+/-0.771 χ^2/NDF : 1349758.1/22

+ sign 972.684+/-0.240 χ^2/NDF : 34478237.0/43

All: 1127.523+/-0.191 χ^2/NDF : 67090581.5/8

- sign 1389.825+/-0.313 χ^2/NDF : 31494656.7/43

asym_atr1l2_dd_mean vs Slug



Right In: -474.044 ± 1357.559 χ^2/NDF : 15.1/18

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 638.772 ± 1270.365 χ^2/NDF : 25.5/20

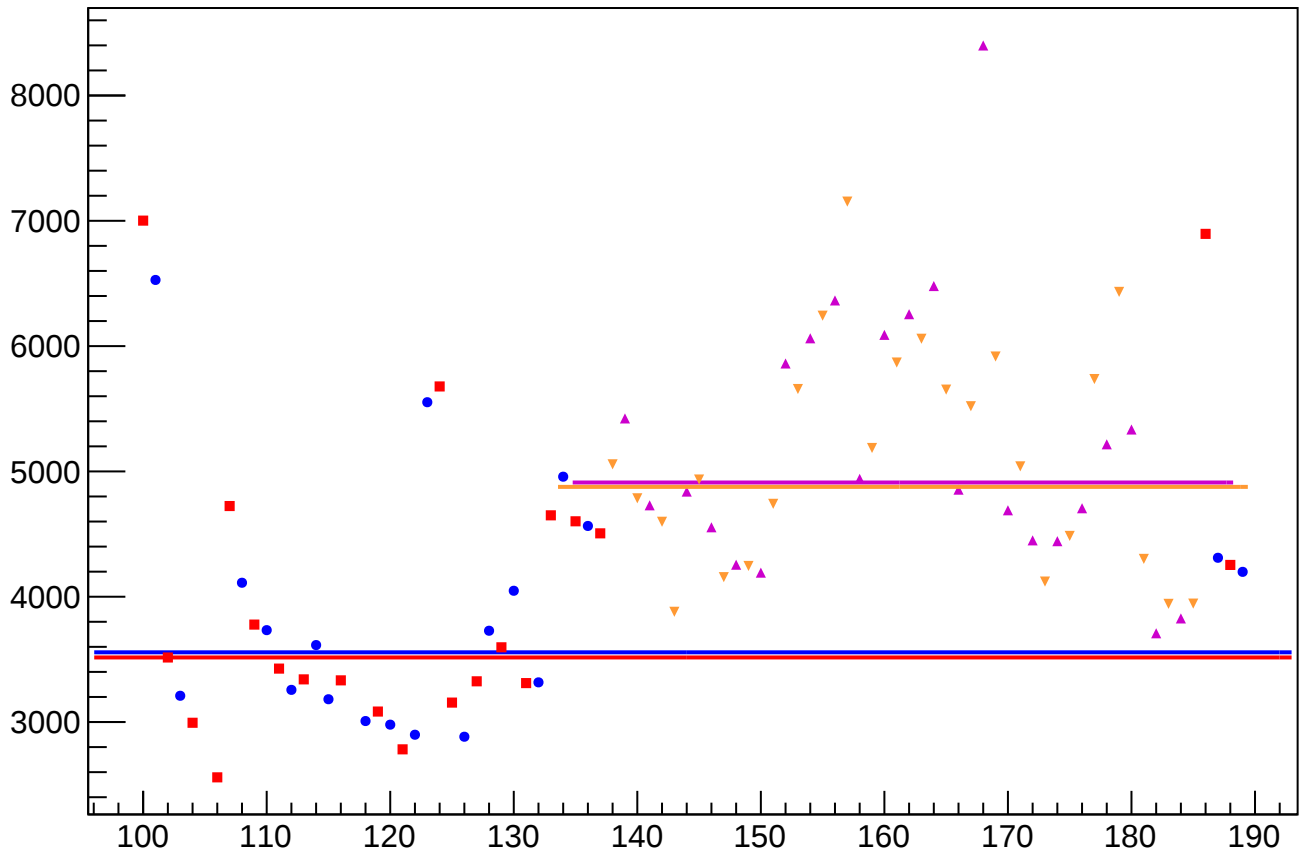
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign -31.824 ± 879.881 χ^2/NDF : 47.7/43

All: 224.924 ± 618.937 χ^2/NDF : 88.0/87

- sign 476.405 ± 870.808 χ^2/NDF : 40.2/43

asym_atr1l2_dd_rms vs Slug



Right In: 3556.356 $\pm$ 0.960 χ^2 /NDF: 591967.9/18

Left Out: 4876.564 $\pm$ 0.817 χ^2 /NDF: 972528.1/24

Right Out: 3515.345 $\pm$ 0.888 χ^2 /NDF: 678227.2/20

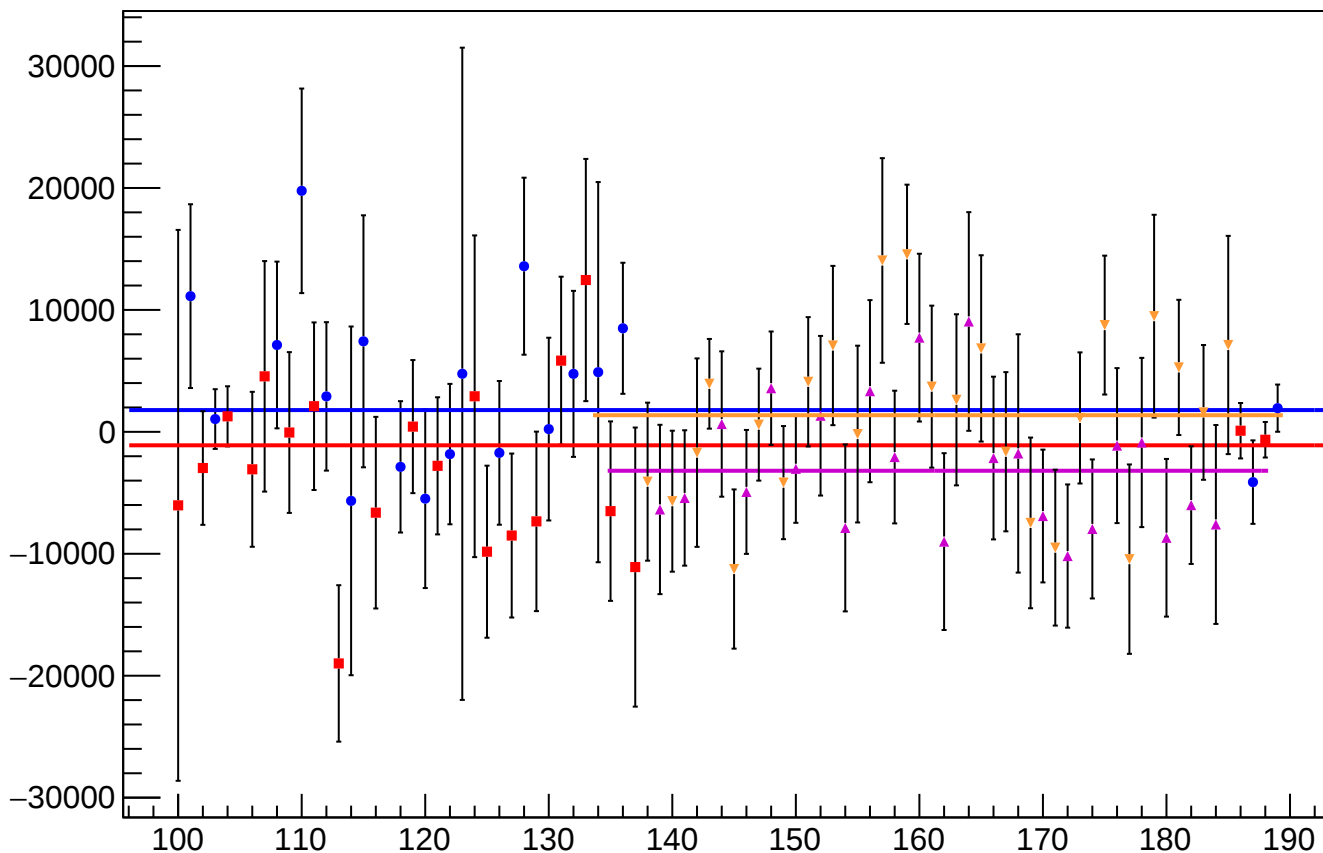
Left In: 4911.546 $\pm$ 0.846 χ^2 /NDF: 1043164.6/22

+ sign 4321.970 $\pm$ 0.622 χ^2 /NDF: 2661399.7/43

All: 4283.994 $\pm$ 0.436 χ^2 /NDF: 5686986.6/87

- sign 4247.213 $\pm$ 0.612 χ^2 /NDF: 3018253.0/43

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1785.681 $\pm$ 1101.625 χ^2 /NDF: 17.4/18

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -1104.407 $\pm$ 918.035 χ^2 /NDF: 18.4/20

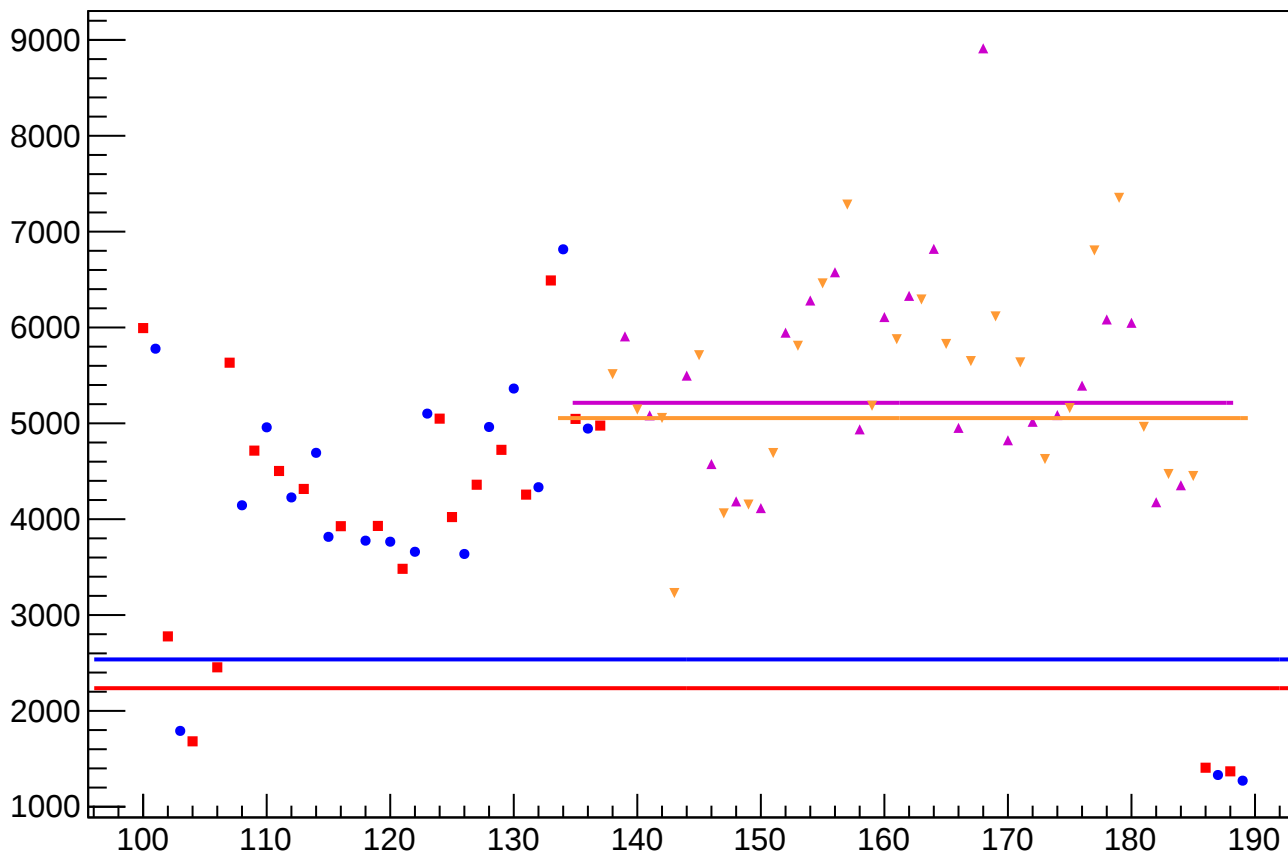
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 1594.413 $\pm$ 813.450 χ^2 /NDF: 45.4/43

All: -265.030 $\pm$ 549.005 χ^2 /NDF: 89.2/87

- sign -1820.562 $\pm$ 744.010 χ^2 /NDF: 34.1/43

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 2536.899+/-0.779 χ^2/NDF : 3690749.4/18

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 2236.830+/-0.647 χ^2/NDF : 4104587.4/20

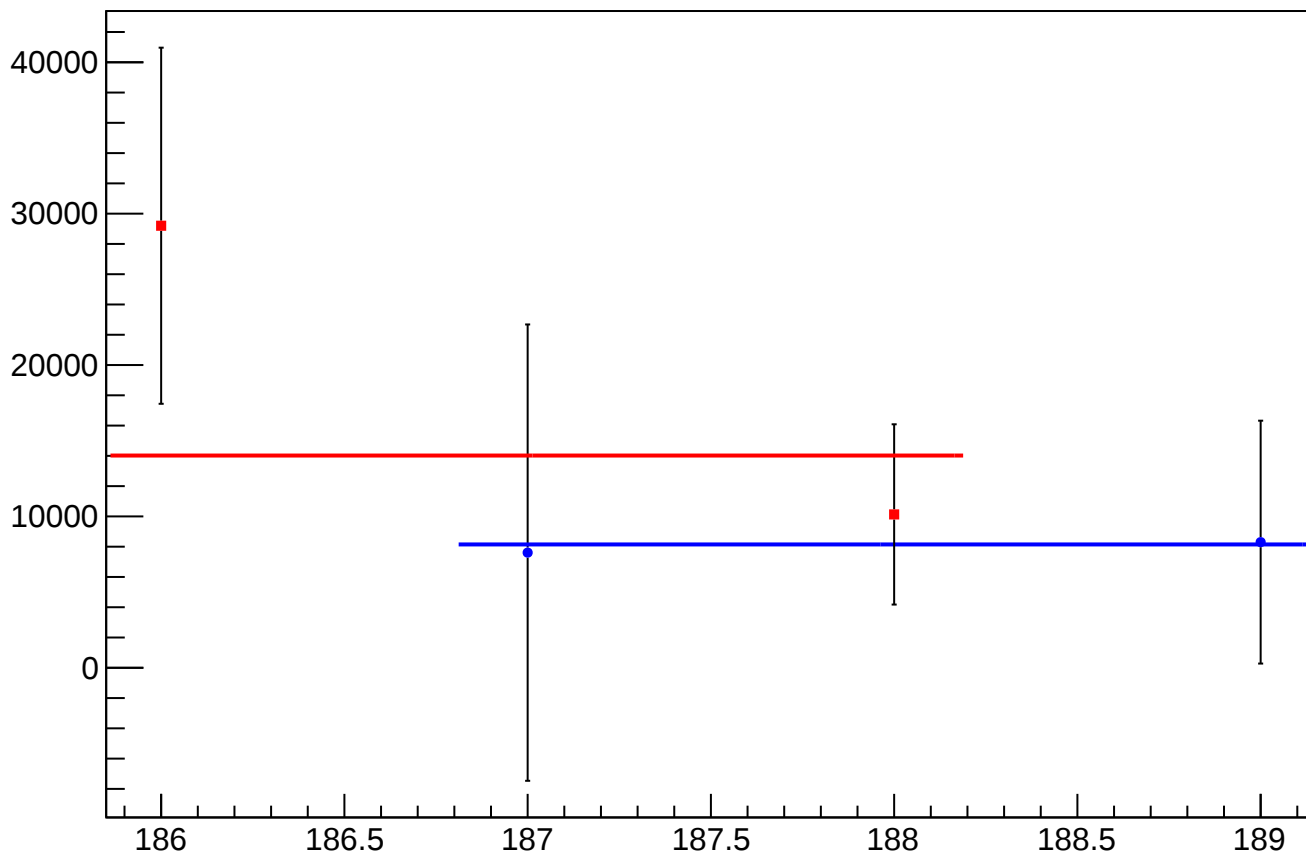
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 3681.861+/-0.575 χ^2/NDF : 9879019.2/43

All: 3447.860+/-0.388 χ^2/NDF : 22578695.8/8

- sign 3253.148+/-0.525 χ^2/NDF : 12396455.8/43

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 8148.175+/-7081.731 χ^2/NDF : 0.0/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 14021.280+/-5312.568 χ^2/NDF : 2.1/1

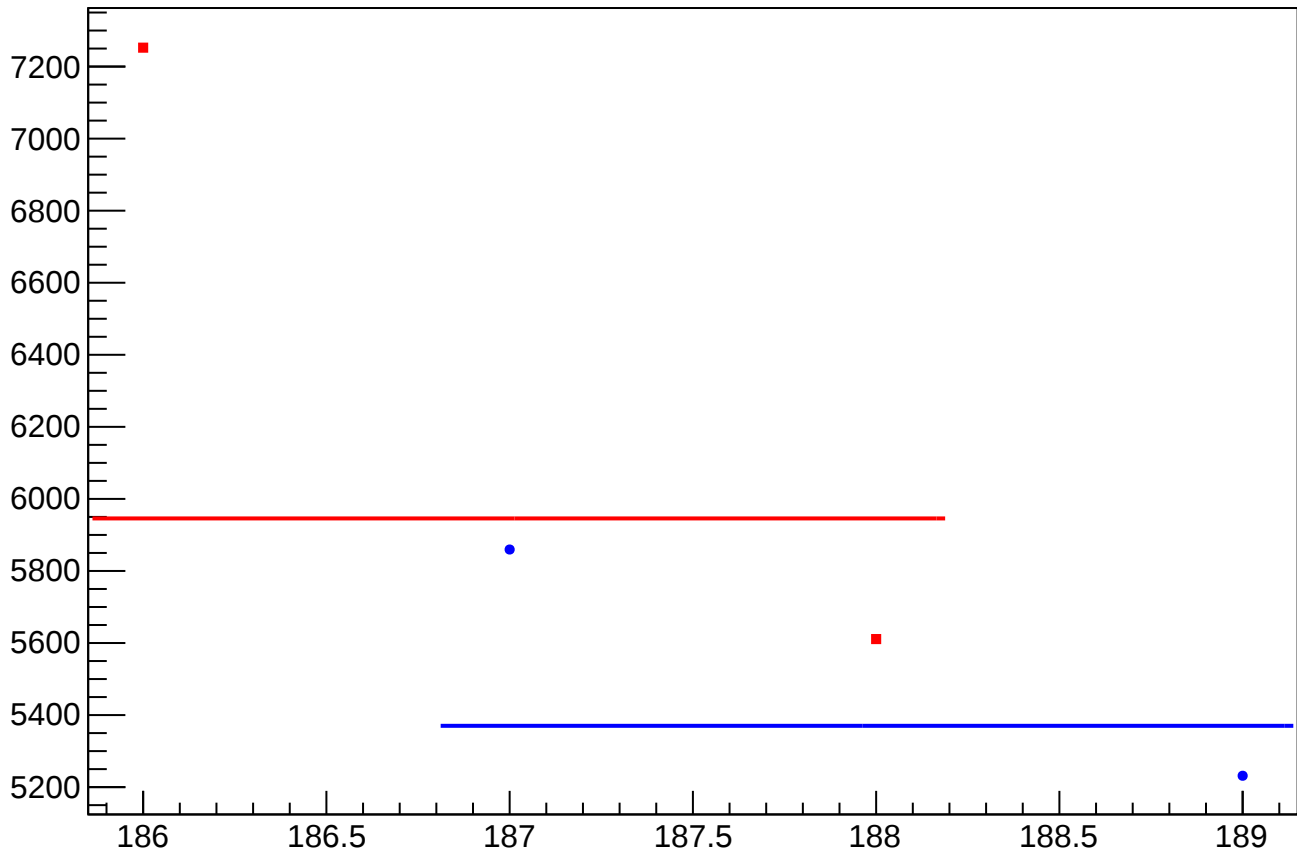
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 11906.315+/-4249.689 χ^2/NDF : 2.5/3

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5370.188+/-5.008 χ^2/NDF : 2704.9/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 5945.802+/-3.757 χ^2/NDF : 31004.1/1

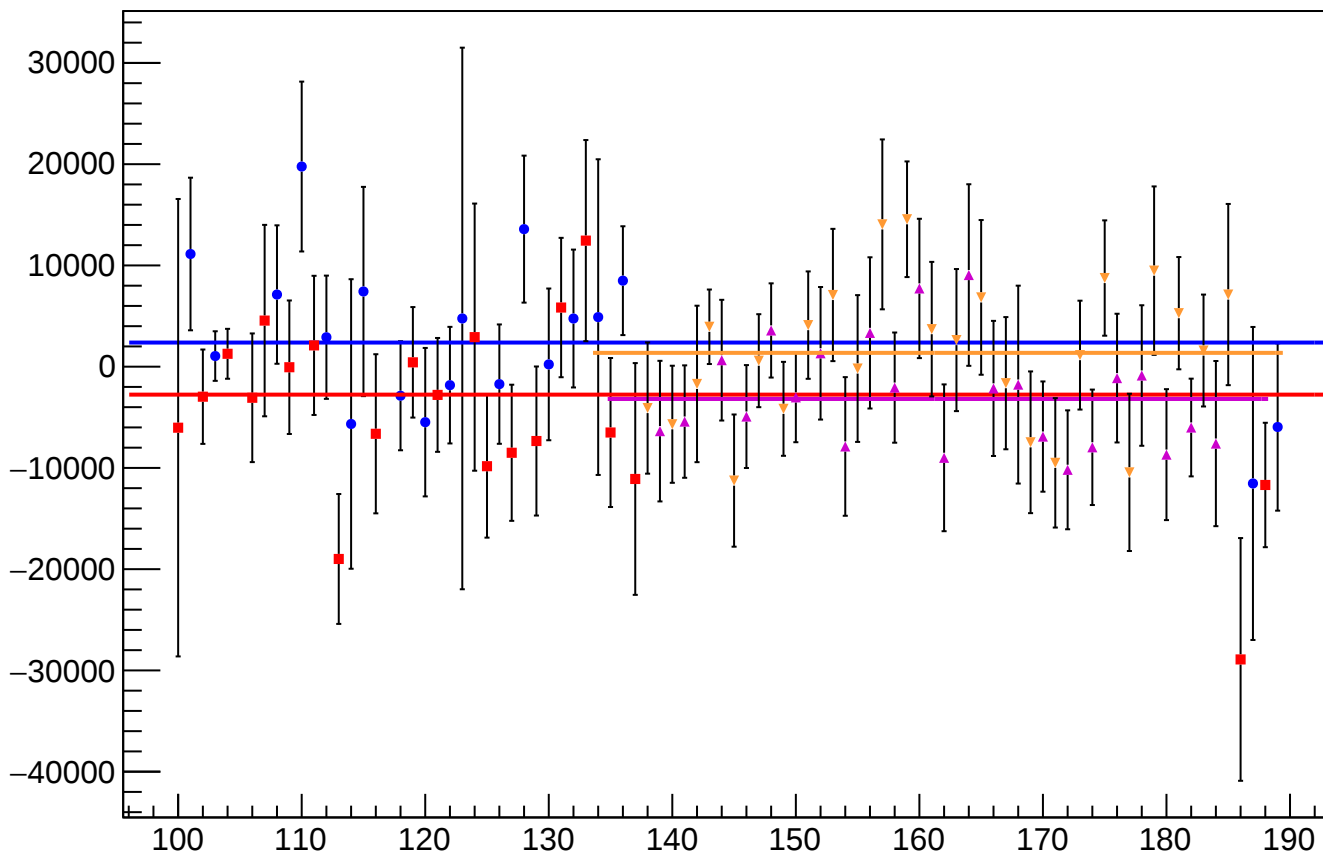
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 5738.518+/-3.005 χ^2/NDF : 42164.1/3

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2382.584 $\pm$ 1427.736 χ^2 /NDF: 15.8/18

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -2761.094 $\pm$ 1341.625 χ^2 /NDF: 24.8/20

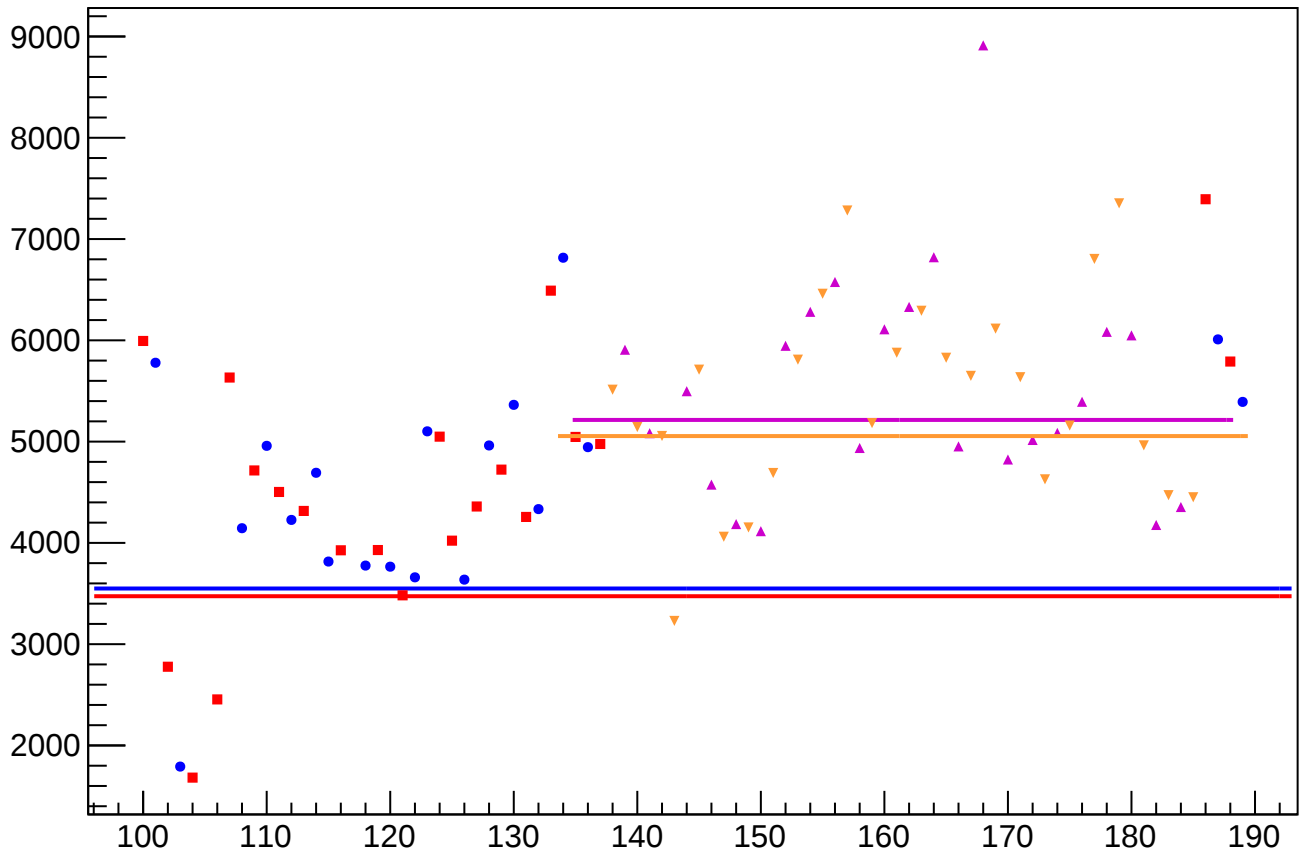
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1788.881 $\pm$ 921.426 χ^2 /NDF: 44.1/43

All: -597.209 $\pm$ 651.861 χ^2 /NDF: 96.4/87

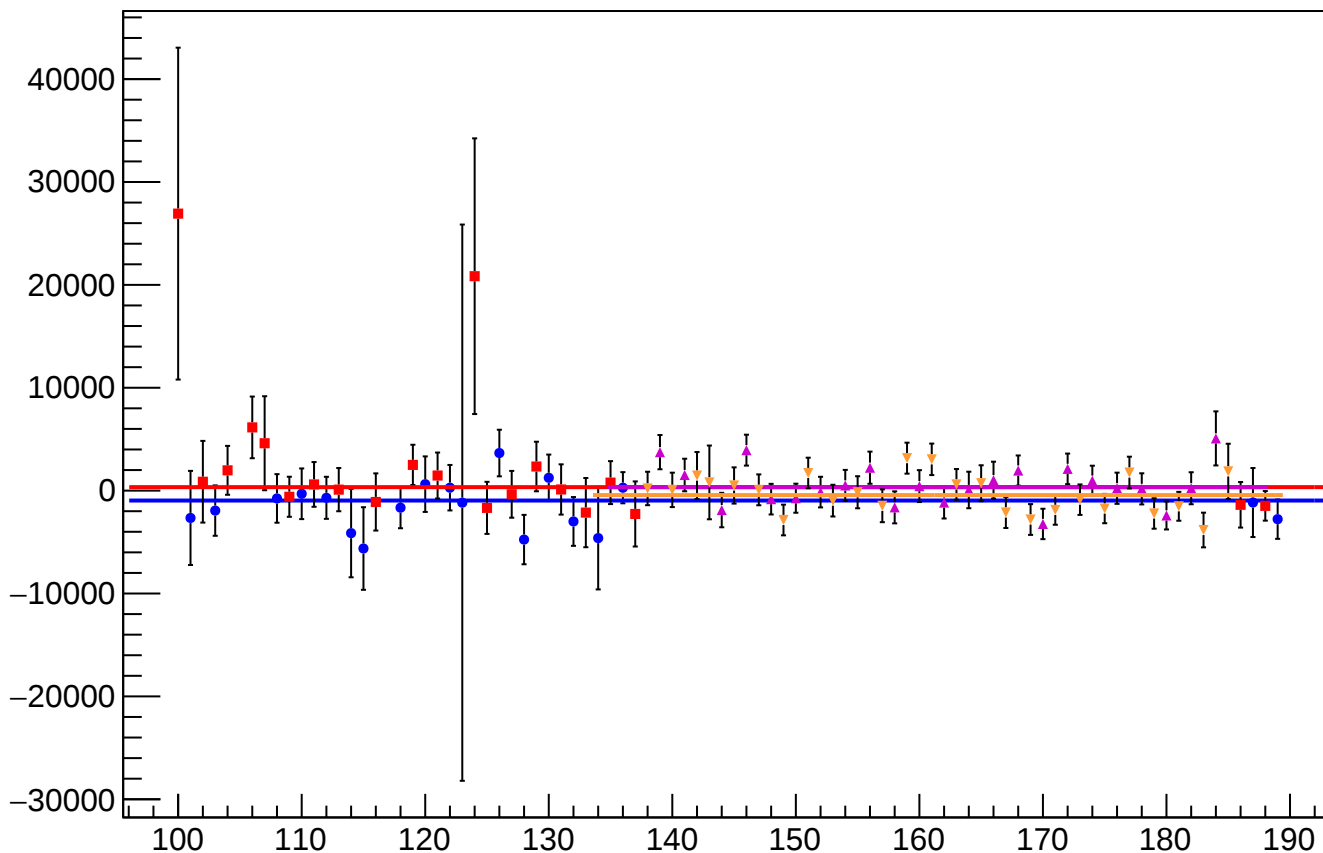
- sign -2987.909 $\pm$ 922.316 χ^2 /NDF: 38.9/43

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3549.664+/-1.010	χ^2/NDF : 1921857.4/18	+ sign 4427.827+/-0.652	χ^2/NDF : 4655904.5/43
Left Out: 5054.711+/-0.853	χ^2/NDF : 1437224.7/24	All: 4405.838+/-0.460	χ^2/NDF : 9941785.1/87
Right Out: 3473.514+/-0.940	χ^2/NDF : 2439444.0/20	- sign 4383.986+/-0.649	χ^2/NDF : 5283609.7/43
Left In: 5214.120+/-0.898	χ^2/NDF : 1052501.5/22		

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -962.572 $\pm$ 568.982 χ^2 /NDF: 13.5/18

Left Out: -431.715 $\pm$ 320.540 χ^2 /NDF:33.1/24

Right Out: 339.009 $\pm$ 534.784 χ^2 /NDF: 17.1/20

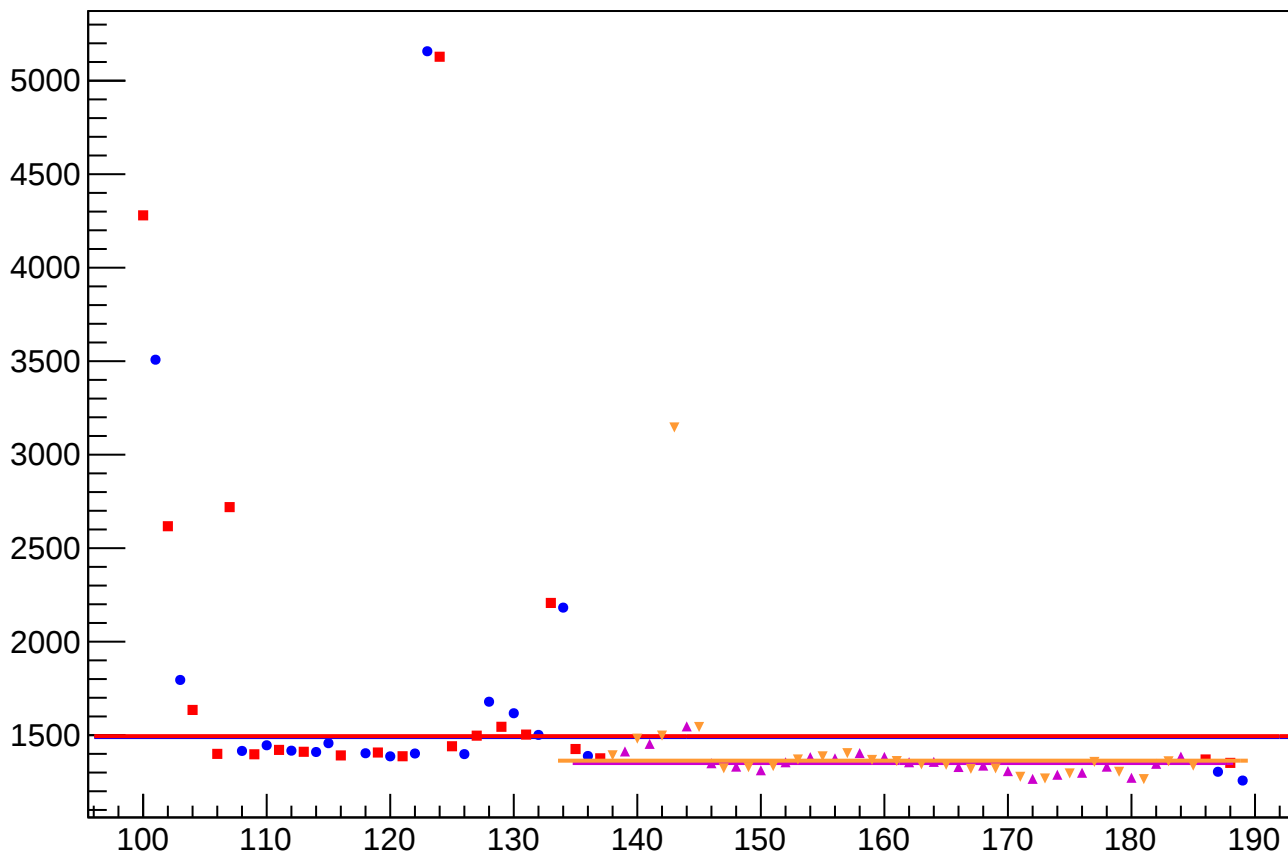
Left In: 343.737 $\pm$ 324.368 χ^2 /NDF:33.8/22

+ sign -559.605 $\pm$ 279.272 χ^2 /NDF: 47.3/43

All: -105.438 $\pm$ 196.789 χ^2 /NDF: 103.4/87

- sign 342.465 $\pm$ 277.340 χ^2 /NDF: 50.8/43

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1489.814+/-0.402 χ^2/NDF : 578059.2/18

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1494.749+/-0.378 χ^2/NDF : 663671.9/20

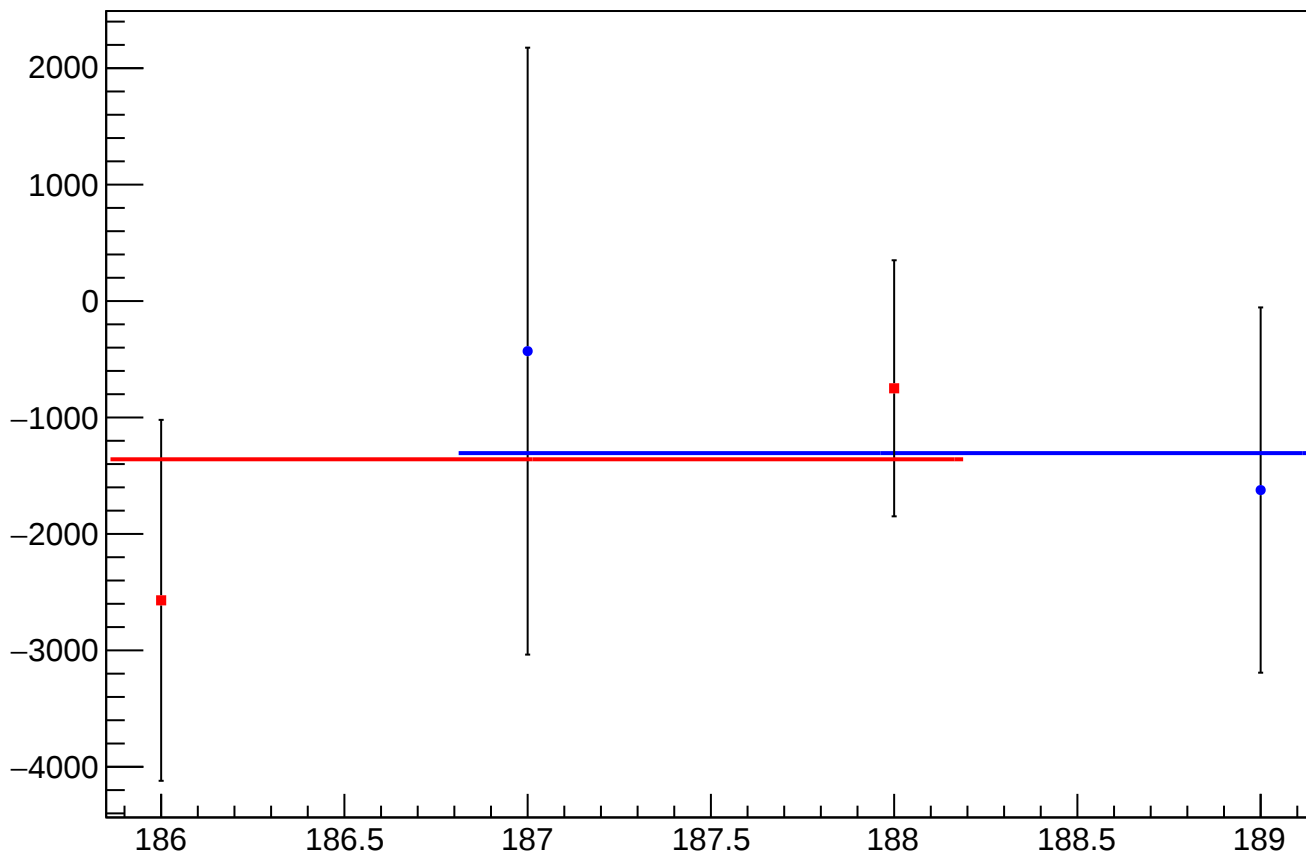
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1393.977+/-0.197 χ^2/NDF : 1228035.2/43

All: 1391.771+/-0.139 χ^2/NDF : 2064875.1/87

- sign 1389.595+/-0.196 χ^2/NDF : 836591.9/43

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -1305.933+/-1343.931 χ^2/NDF : 0.2/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -1358.956+/-896.823 χ^2/NDF : 0.9/1

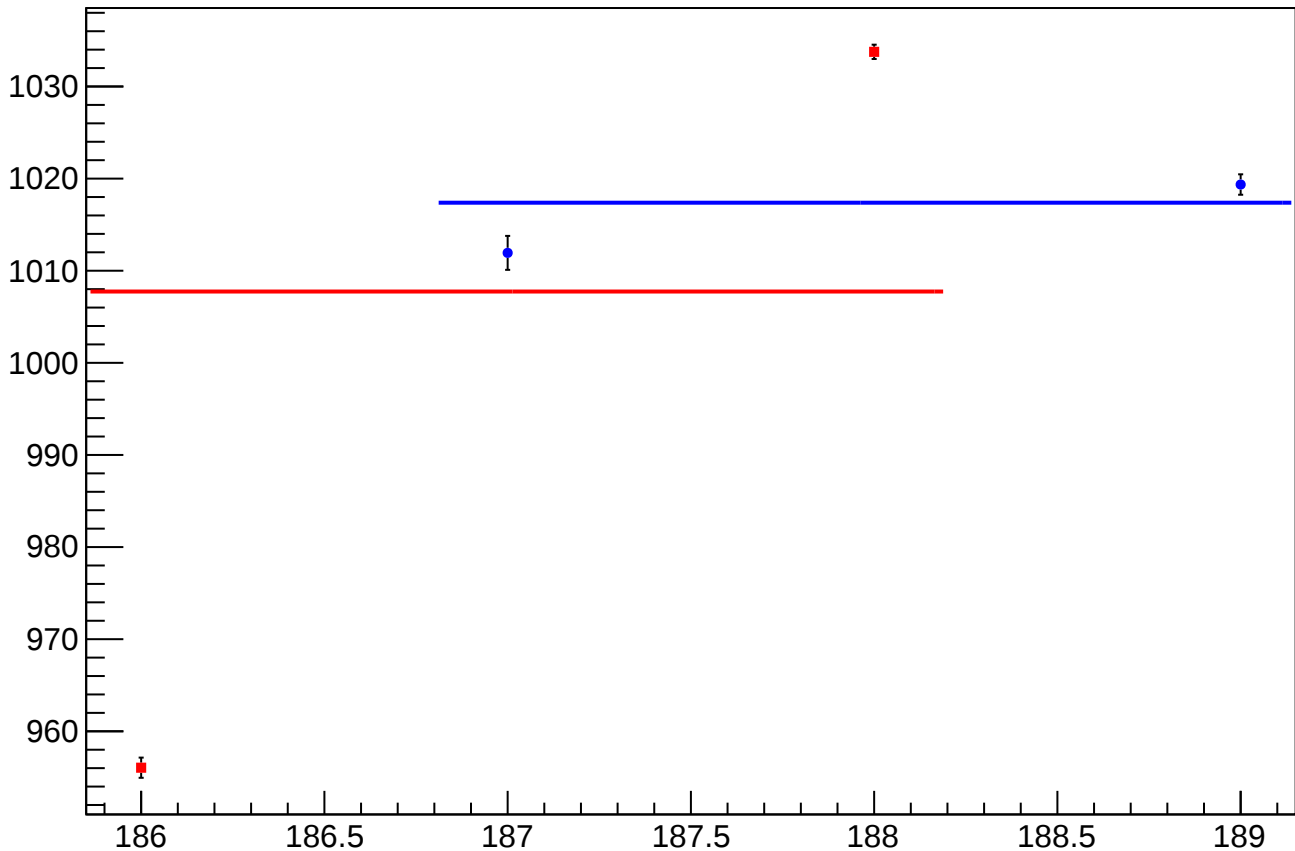
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1342.620+/-745.979 χ^2/NDF : 1.1/3

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1017.385 $\pm$ 0.950 χ^2 /NDF: 11.9/1

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1007.742 $\pm$ 0.634 χ^2 /NDF: 3344.9/1

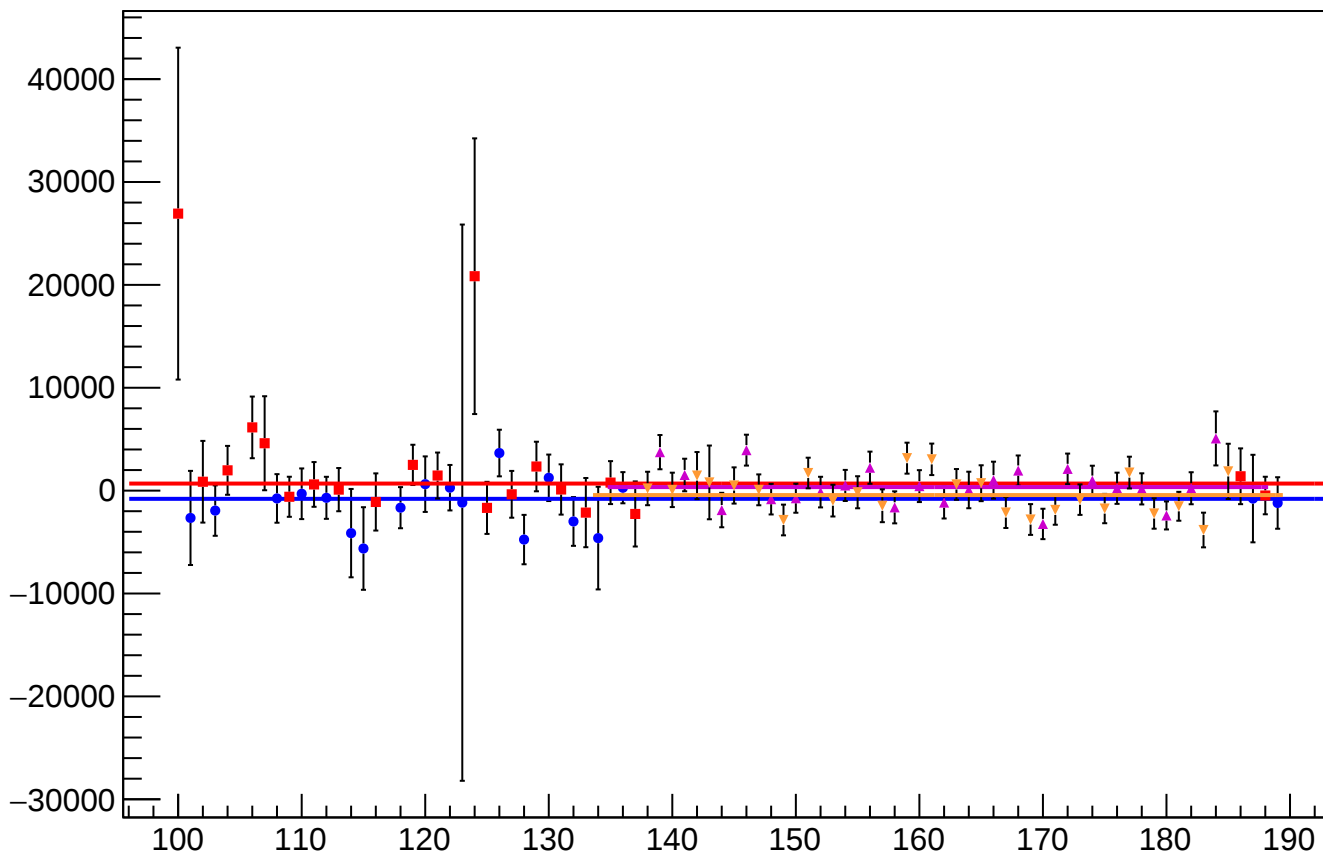
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1010.713 $\pm$ 0.527 χ^2 /NDF: 3428.0/3

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.764+/-583.069 χ^2/NDF : 12.6/18

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 686.815+/-555.100 χ^2/NDF : 14.8/20

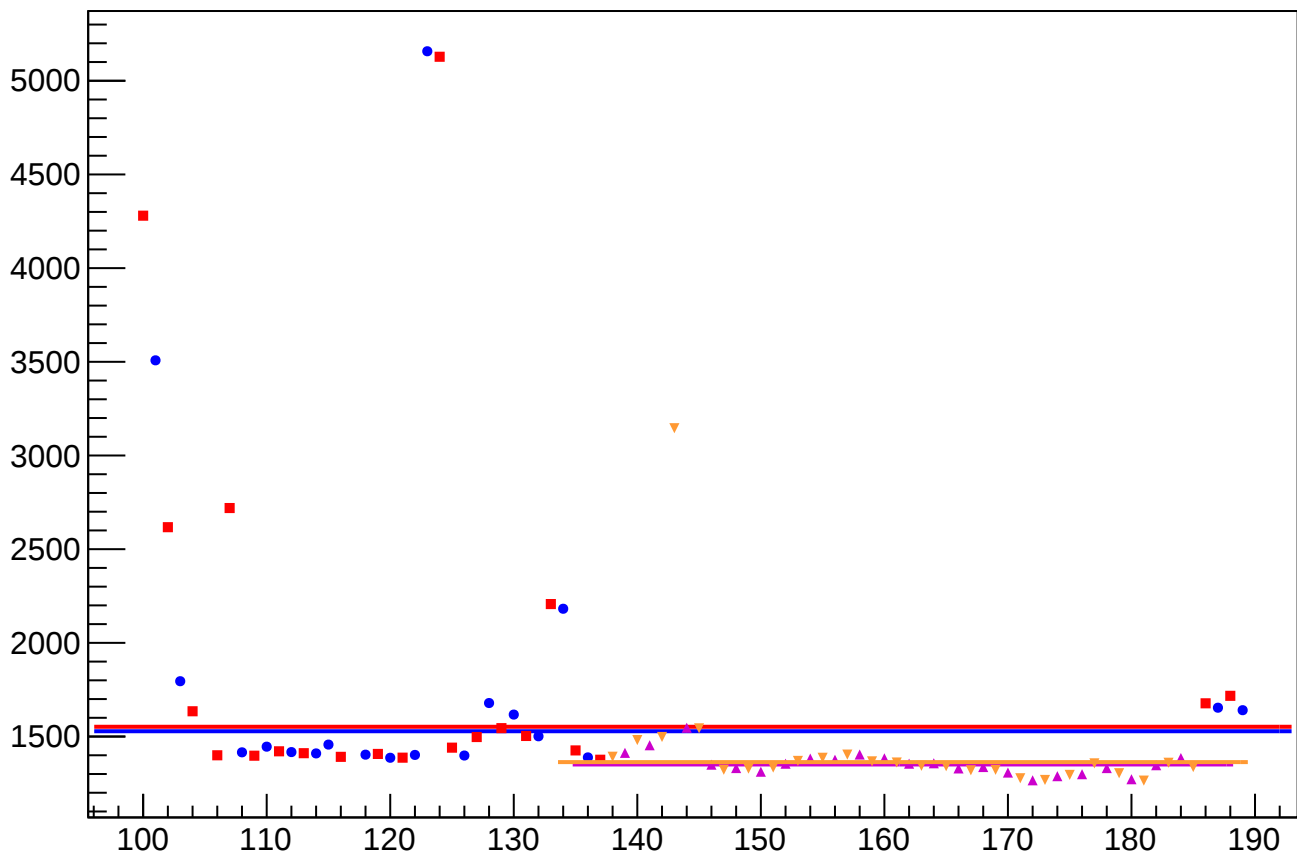
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -516.668+/-280.892 χ^2/NDF : 45.9/43

All: -41.394+/-198.326 χ^2/NDF : 100.5/87

- sign 431.065+/-280.059 χ^2/NDF : 48.9/43

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1528.291+/-0.412 χ^2/NDF : 543906.7/18

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1552.163+/-0.393 χ^2/NDF : 654981.0/20

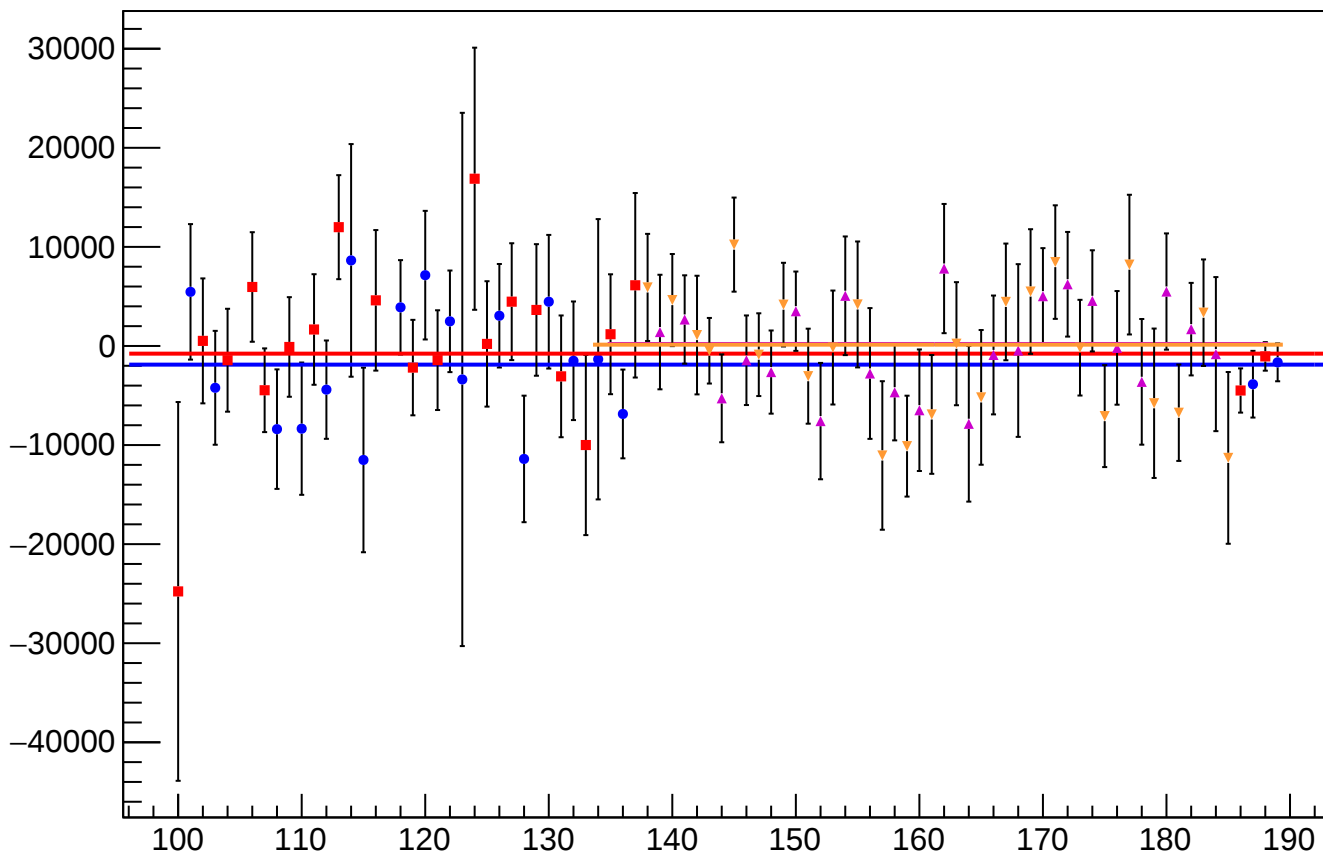
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1401.792+/-0.199 χ^2/NDF : 1241721.8/43

All: 1401.965+/-0.140 χ^2/NDF : 2159826.1/87

- sign 1402.137+/-0.198 χ^2/NDF : 918102.8/43

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1883.090 $\pm$ 1120.731 χ^2/NDF : 15.3/18

Left Out: 132.142 $\pm$ 1065.543 χ^2/NDF : 28.1/24

Right Out: -774.953 $\pm$ 910.239 χ^2/NDF : 18.4/20

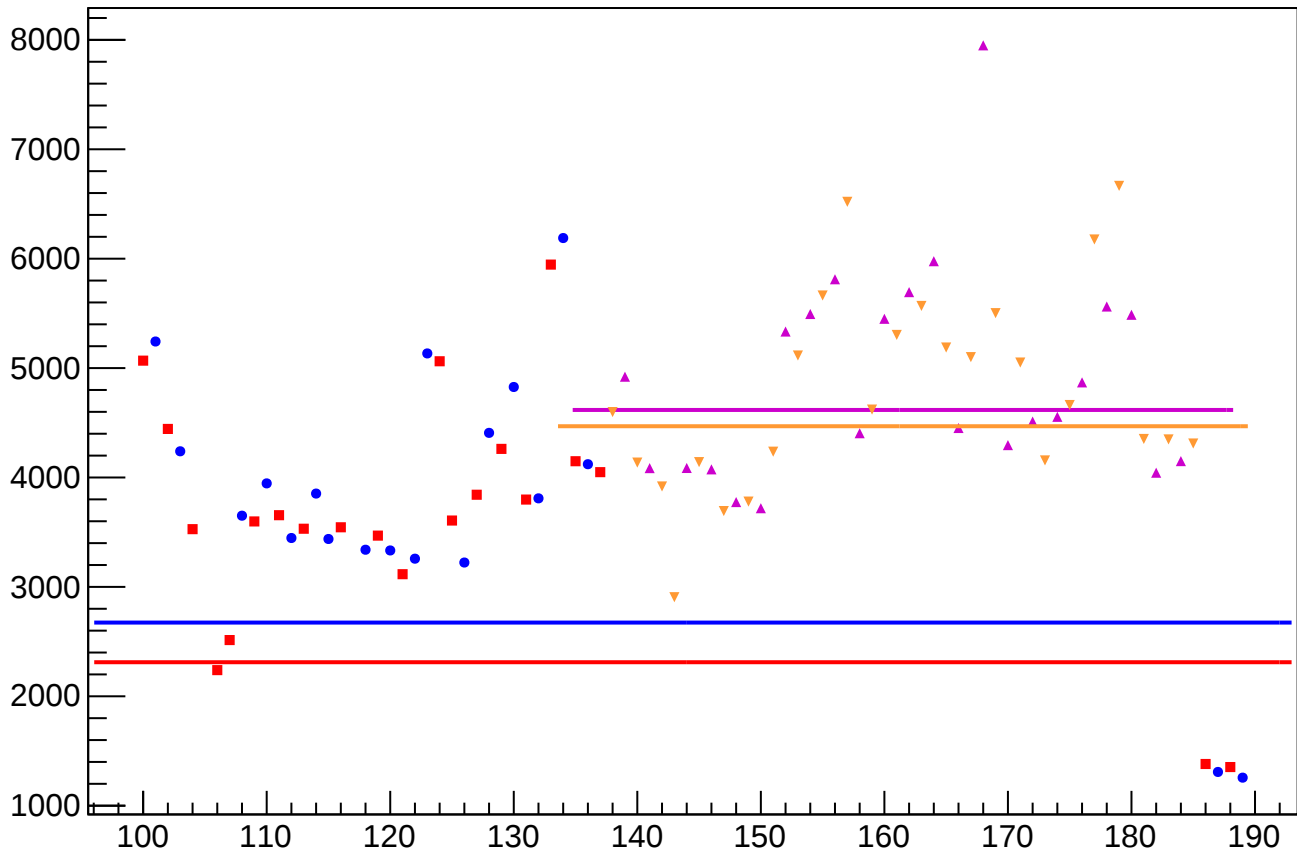
Left In: 200.182 $\pm$ 1123.499 χ^2/NDF : 14.7/22

+ sign -824.635 $\pm$ 772.226 χ^2/NDF : 45.1/43

All: -587.465 $\pm$ 521.562 χ^2/NDF : 78.8/87

- sign -388.527 $\pm$ 707.251 χ^2/NDF : 33.6/43

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 2673.895 $\pm$ 0.792 χ^2 /NDF: 2947428.3/18

Left Out: 4468.520 $\pm$ 0.753 χ^2 /NDF:1380601.0/24

Right Out: 2311.411 $\pm$ 0.641 χ^2 /NDF: 3369114.9/20

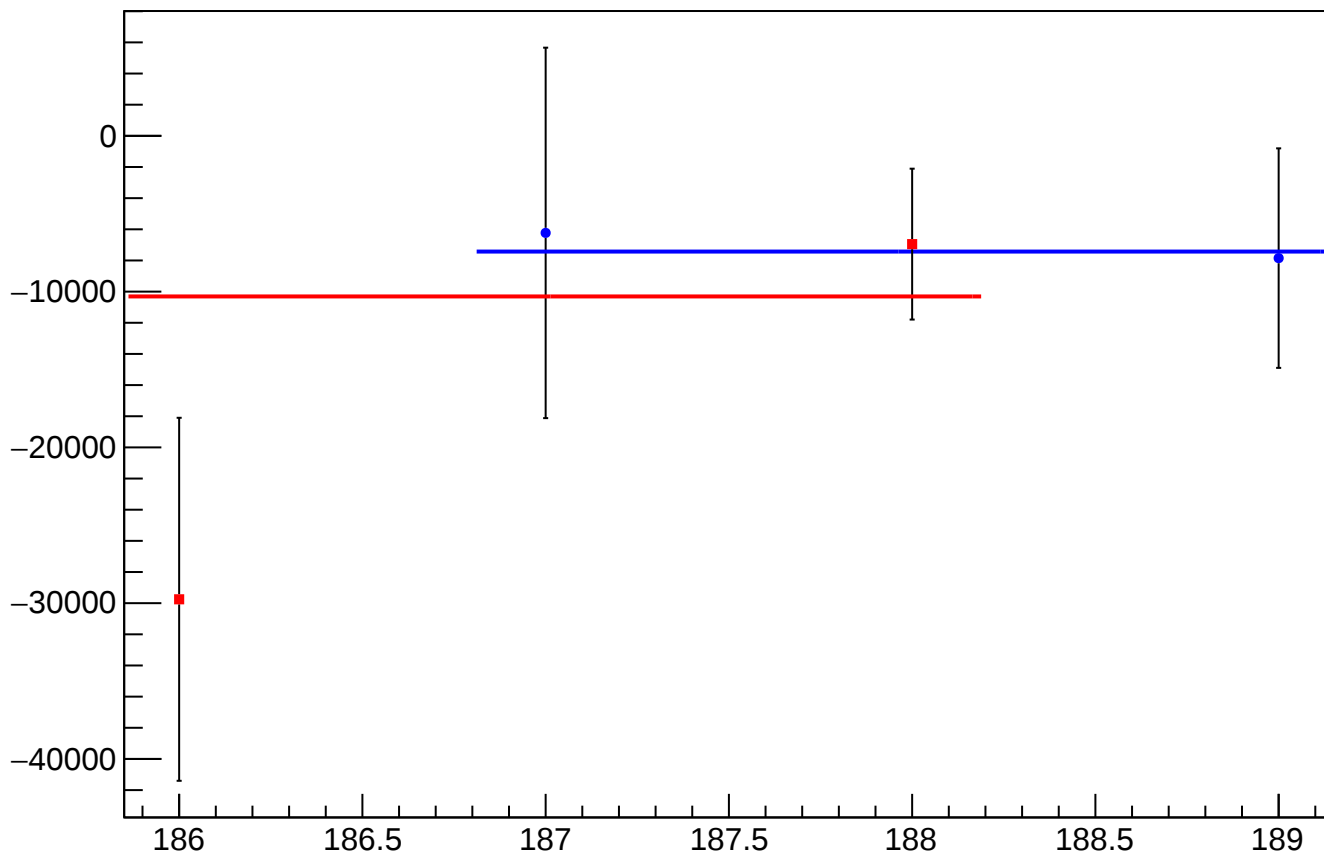
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 3616.468 $\pm$ 0.546 χ^2 /NDF: 7021596.4/43

All: 3400.803 $\pm$ 0.368 χ^2 /NDF: 16778845.3/8

- sign 3220.775 $\pm$ 0.499 χ^2 /NDF: 9471039.8/43

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -7428.358 $\pm$ 6061.889 χ^2 /NDF: 0.0/1

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: -10309.399 $\pm$ 4471.948 χ^2 /NDF: 3.3/1

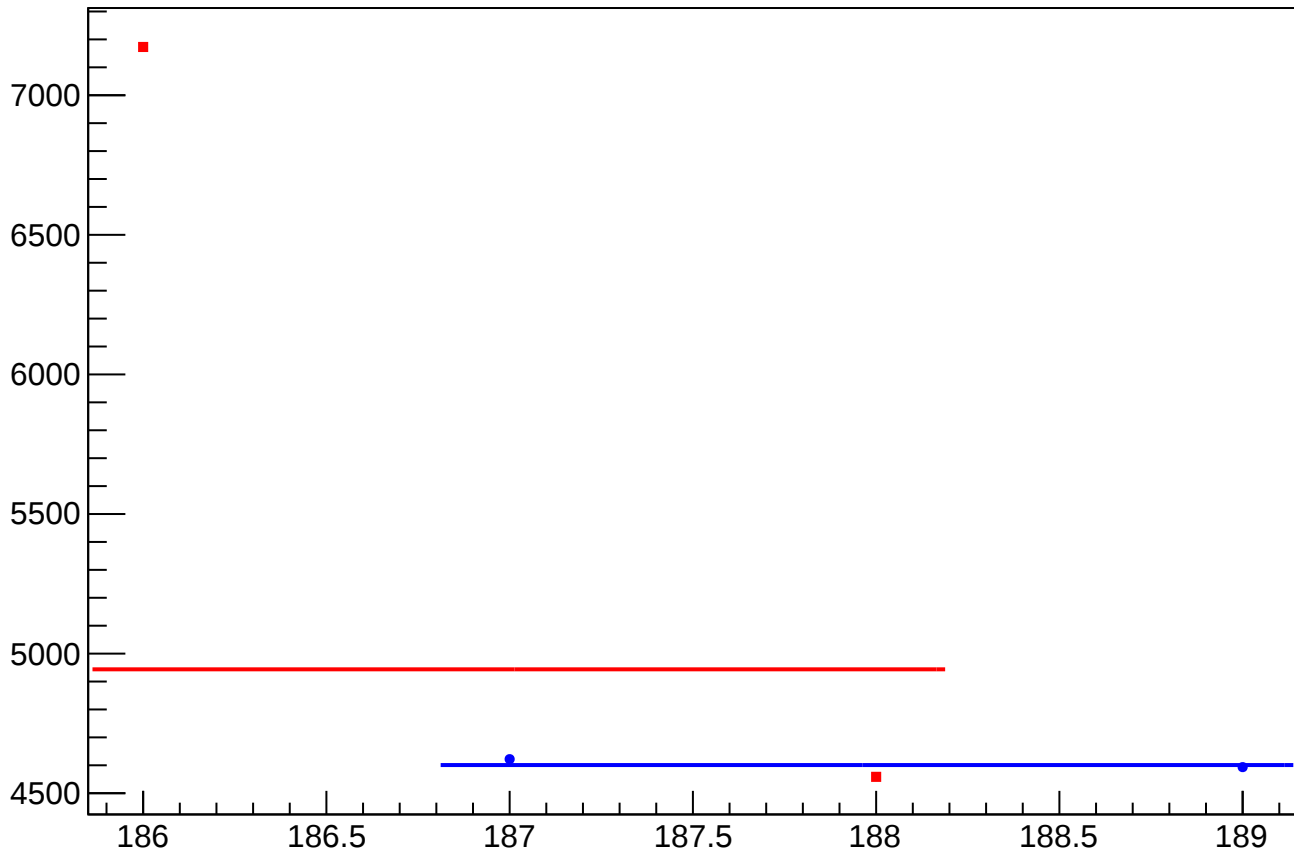
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -9294.047 $\pm$ 3598.666 χ^2 /NDF: 3.4/3

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 4600.878+/-4.286 χ^2/NDF : 8.6/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 4943.726+/-3.162 χ^2/NDF : 85849.6/1

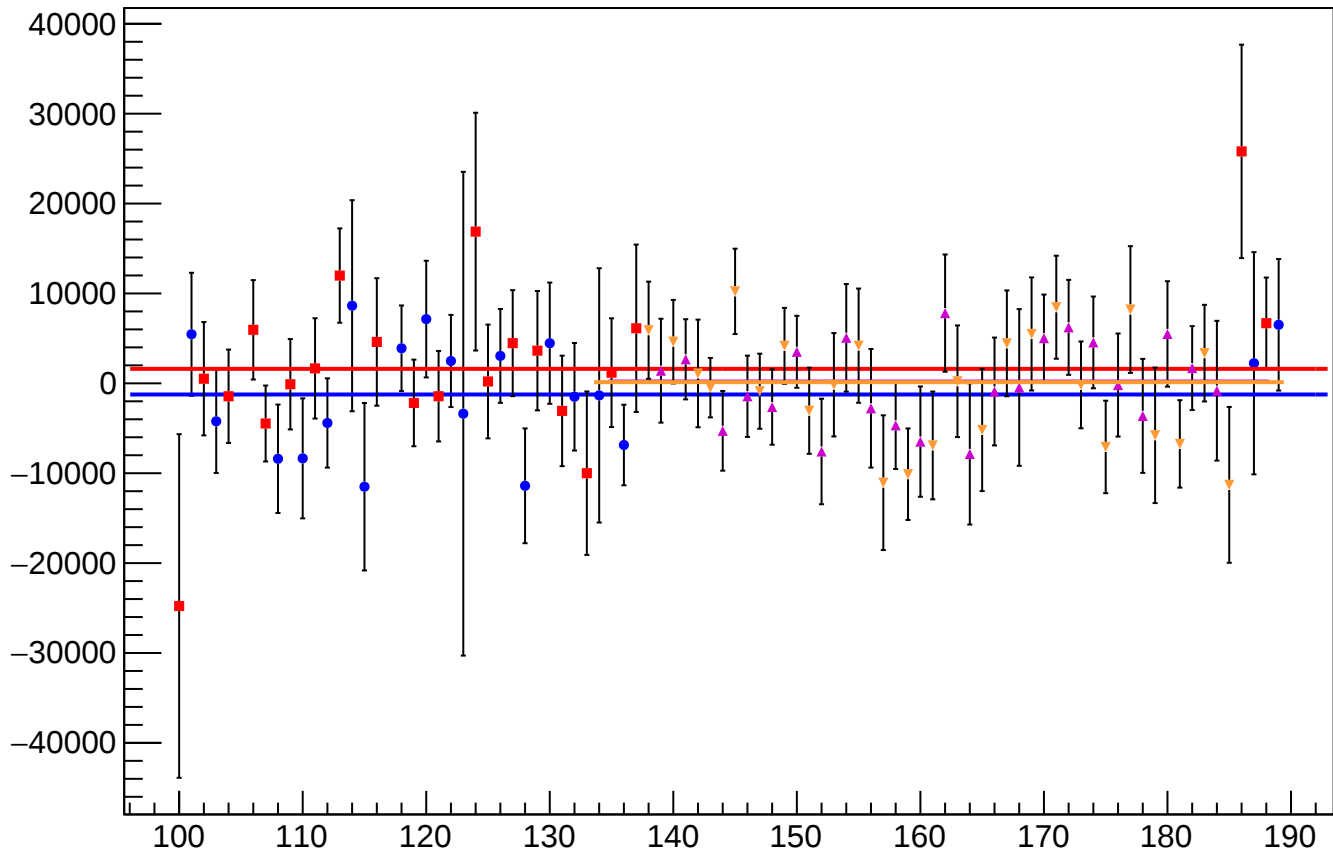
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4822.898+/-2.545 χ^2/NDF : 90001.1/3

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1240.956+/-1475.415 χ^2/NDF : 16.2/18

Left Out: 132.142+/-1065.543 χ^2/NDF : 28.1/24

Right Out: 1611.988+/-1325.019 χ^2/NDF : 19.5/20

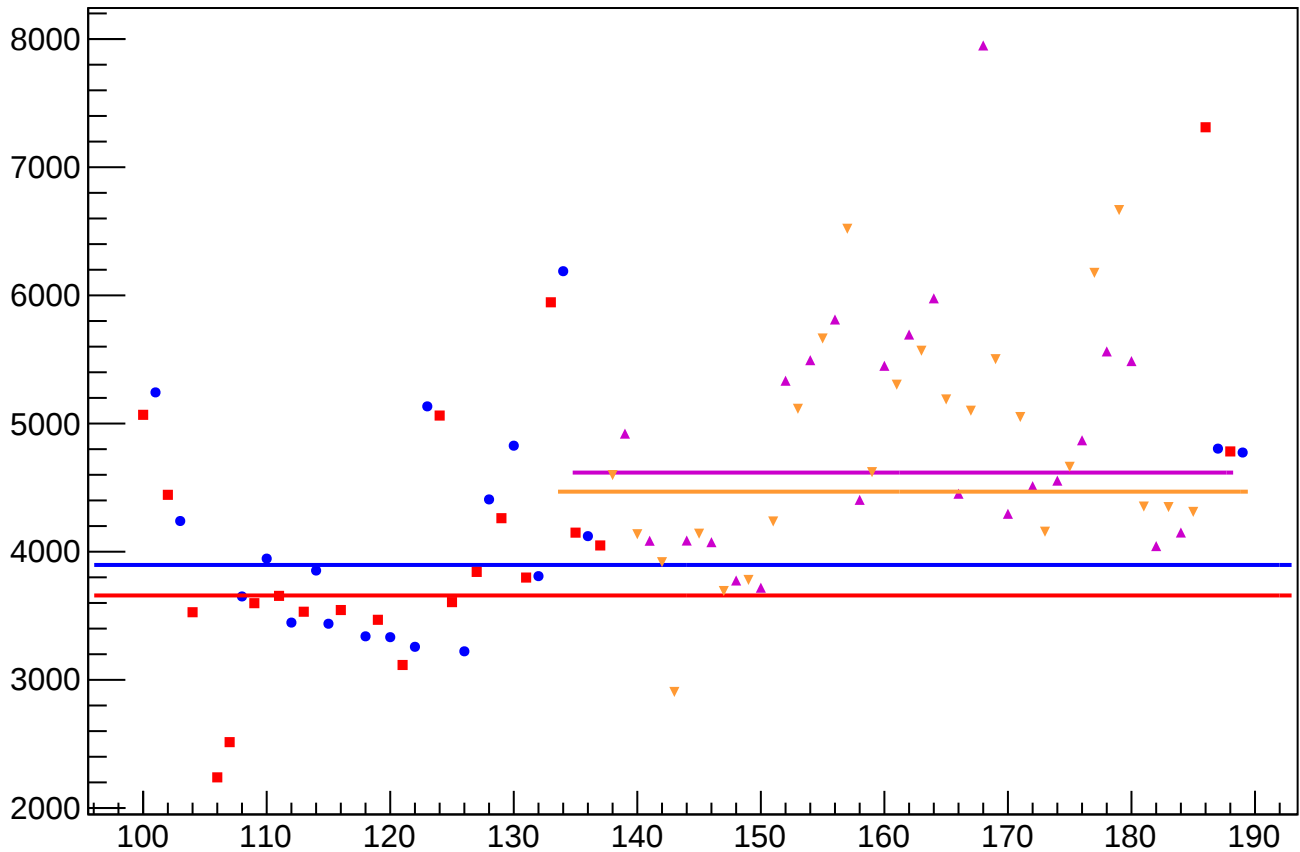
Left In: 200.182+/-1123.499 χ^2/NDF : 14.7/22

+ sign -338.534+/-863.823 χ^2/NDF : 44.9/43

All: 230.598+/-608.360 χ^2/NDF : 80.6/87

- sign 790.671+/-856.921 χ^2/NDF : 34.9/43

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3896.619 $\pm$ 1.043 χ^2/NDF : 368781.6/18

Left Out: 4468.520 $\pm$ 0.753 χ^2/NDF : 1380601.0/24

Right Out: 3658.551 $\pm$ 0.929 χ^2/NDF : 861766.0/20

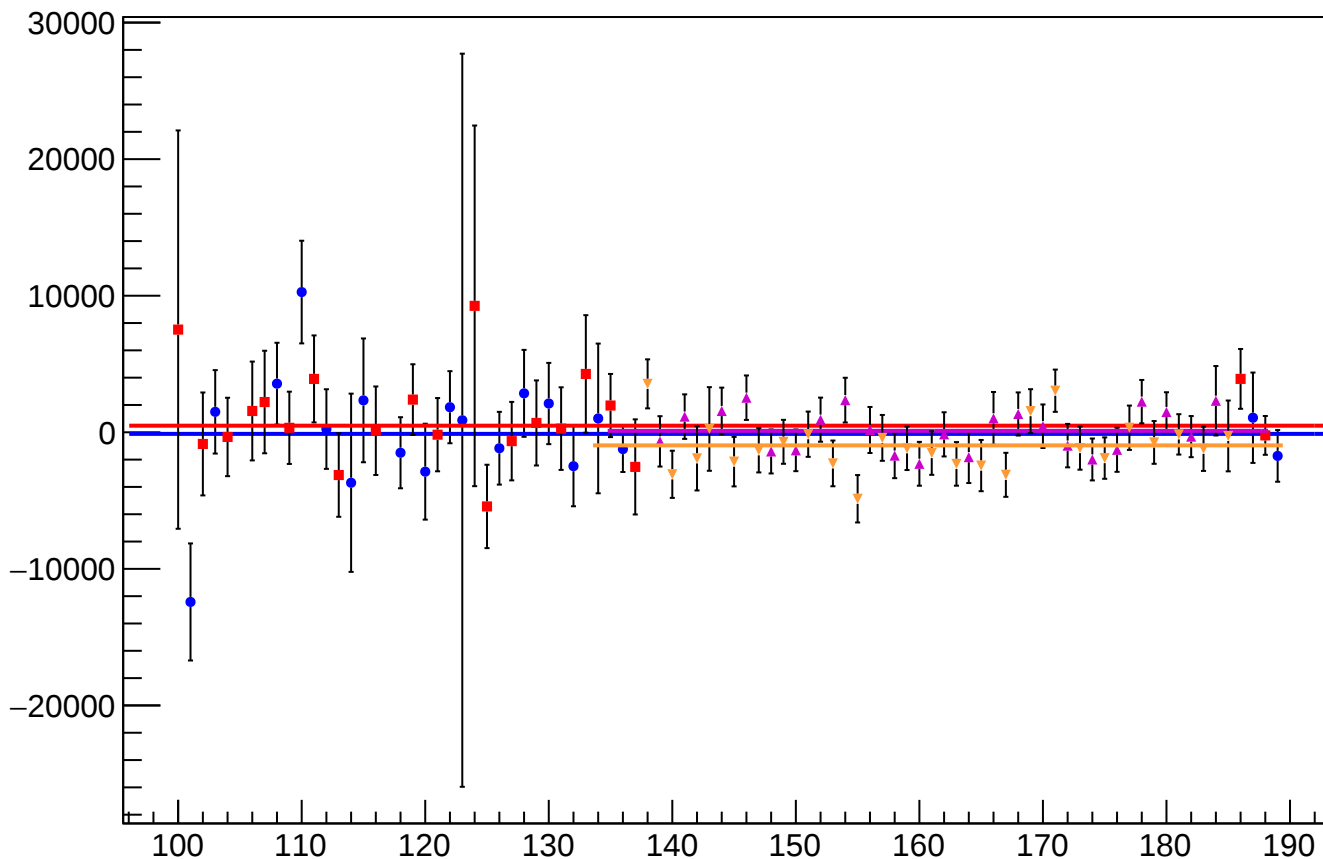
Left In: 4617.293 $\pm$ 0.794 χ^2/NDF : 999599.8/22

+ sign 4272.474 $\pm$ 0.611 χ^2/NDF : 1946881.8/43

All: 4242.068 $\pm$ 0.429 χ^2/NDF : 4428286.4/87

- sign 4212.356 $\pm$ 0.604 χ^2/NDF : 2476505.1/43

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -116.336+/-684.297 χ^2/NDF : 23.3/18

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 484.040+/-626.343 χ^2/NDF : 12.9/20

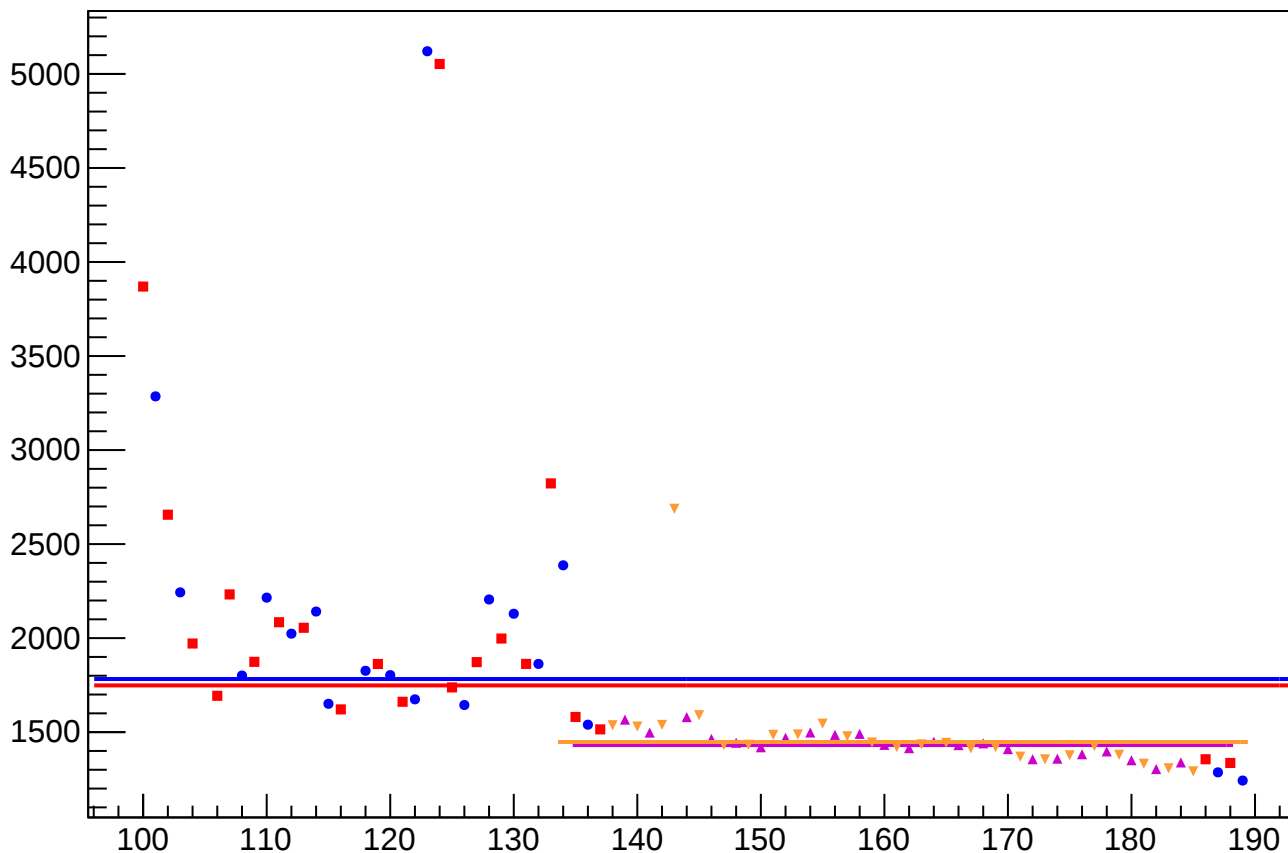
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -792.082+/-304.125 χ^2/NDF : 53.0/43

All: -294.103+/-214.040 χ^2/NDF : 91.0/87

- sign 194.637+/-301.290 χ^2/NDF : 32.6/43

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1782.485+/-0.484 χ^2/NDF : 718264.6/18

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1748.569+/-0.443 χ^2/NDF : 781436.5/20

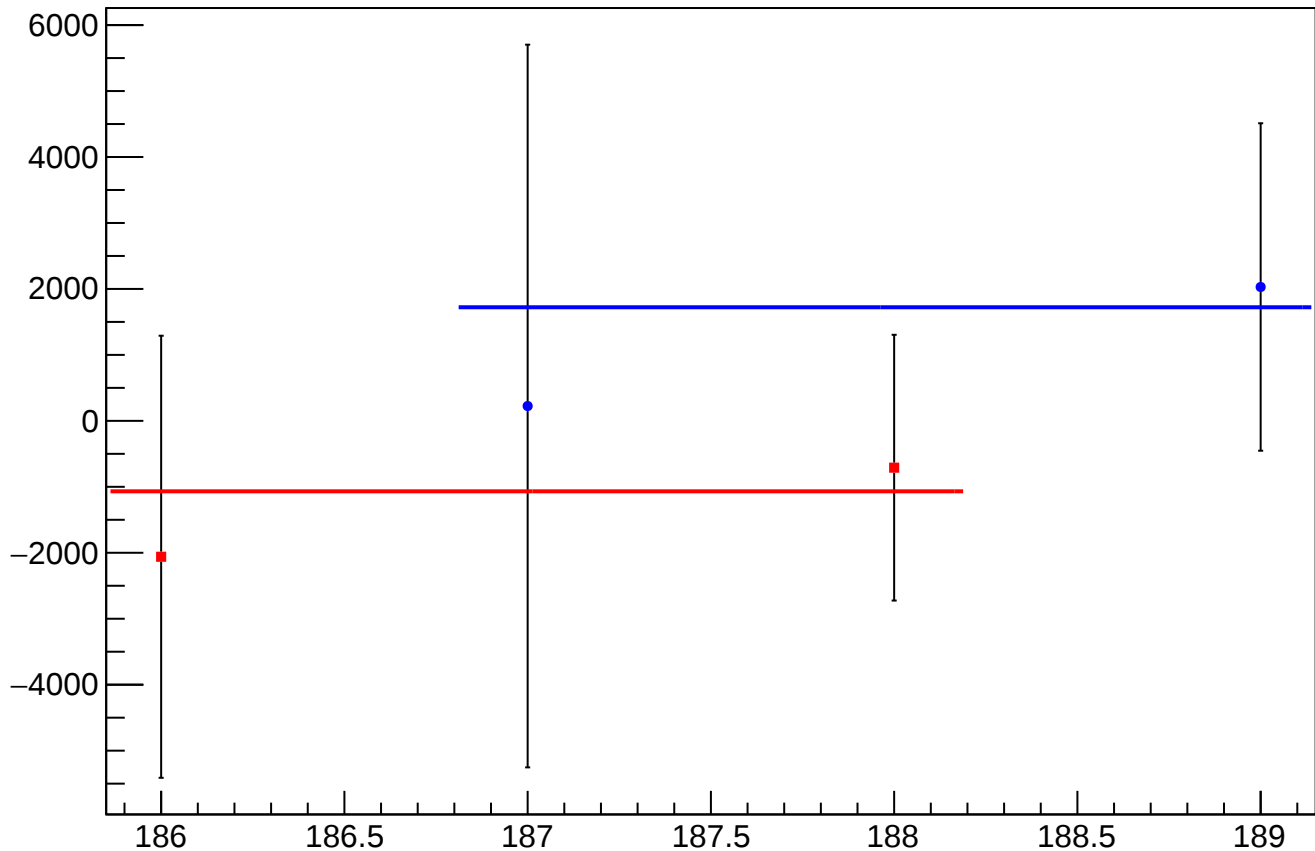
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1513.711+/-0.215 χ^2/NDF : 1522011.1/43

All: 1509.231+/-0.151 χ^2/NDF : 2773486.0/87

- sign 1504.834+/-0.213 χ^2/NDF : 1250614.9/43

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1722.009±2260.946 χ^2/NDF : 0.1/1

Left Out: 0.000±0.000 χ^2/NDF : 0.0/0

Right Out: -1068.359±1726.527 χ^2/NDF : 0.1/1

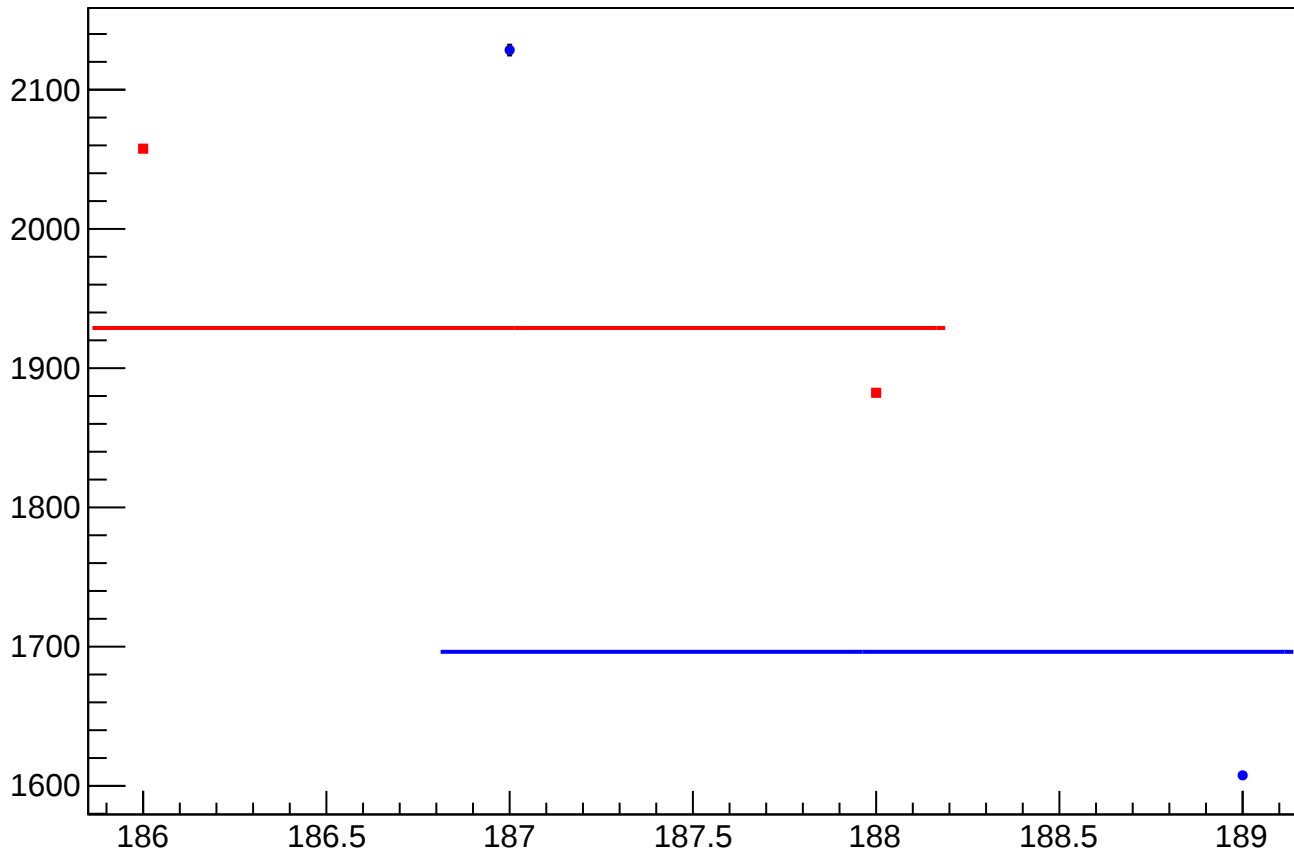
Left In: 0.000±0.000 χ^2/NDF : 0.0/0

+ sign 0.000±0.000 χ^2/NDF : 0.0/0

All: -40.554±1372.192 χ^2/NDF : 1.2/3

- sign 0.000±0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1696.295+/-1.599 χ^2/NDF : 15002.0/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1928.871+/-1.221 χ^2/NDF : 4021.3/1

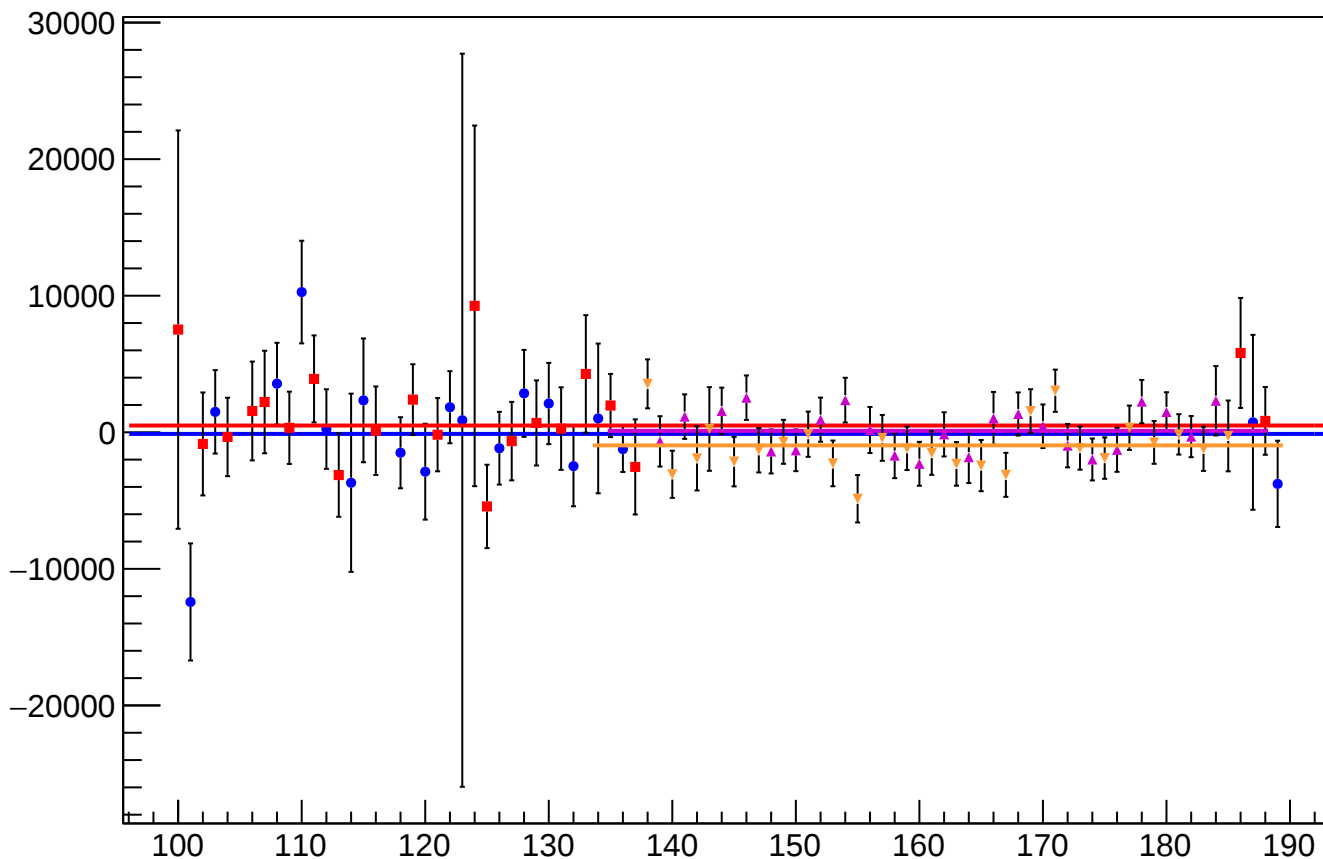
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1843.204+/-0.970 χ^2/NDF : 32391.2/3

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -117.936+/-727.584 χ^2/NDF : 23.8/18

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 494.967+/-695.058 χ^2/NDF : 12.0/20

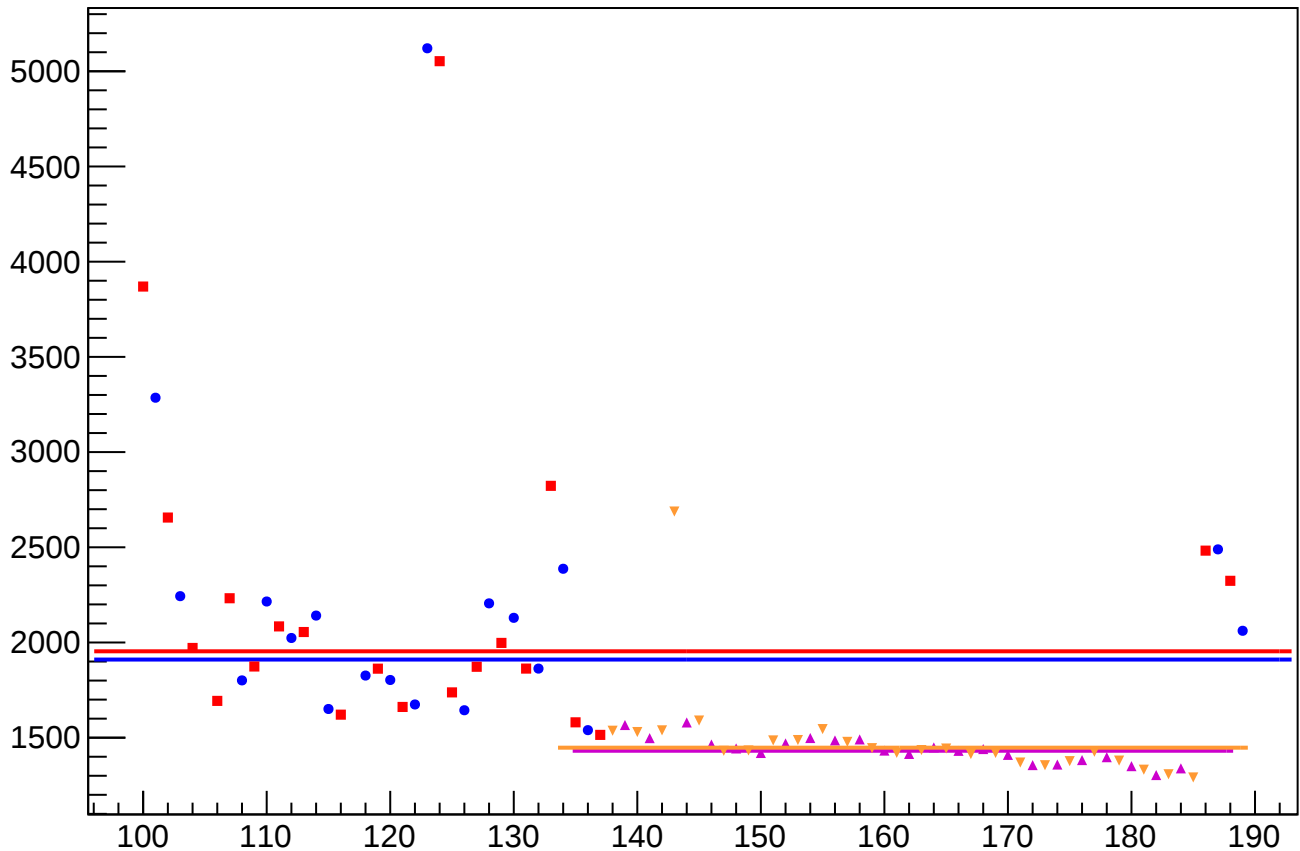
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -808.138+/-307.653 χ^2/NDF : 53.4/43

All: -312.918+/-217.688 χ^2/NDF : 90.3/87

- sign 183.625+/-308.064 χ^2/NDF : 31.7/43

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1910.381+/-0.514 $\chi^2/\text{NDF}: 488328.6/18$

Left Out: 1447.554+/-0.240 $\chi^2/\text{NDF}: 419254.7/24$

Right Out: 1953.728+/-0.491 $\chi^2/\text{NDF}: 548554.7/20$

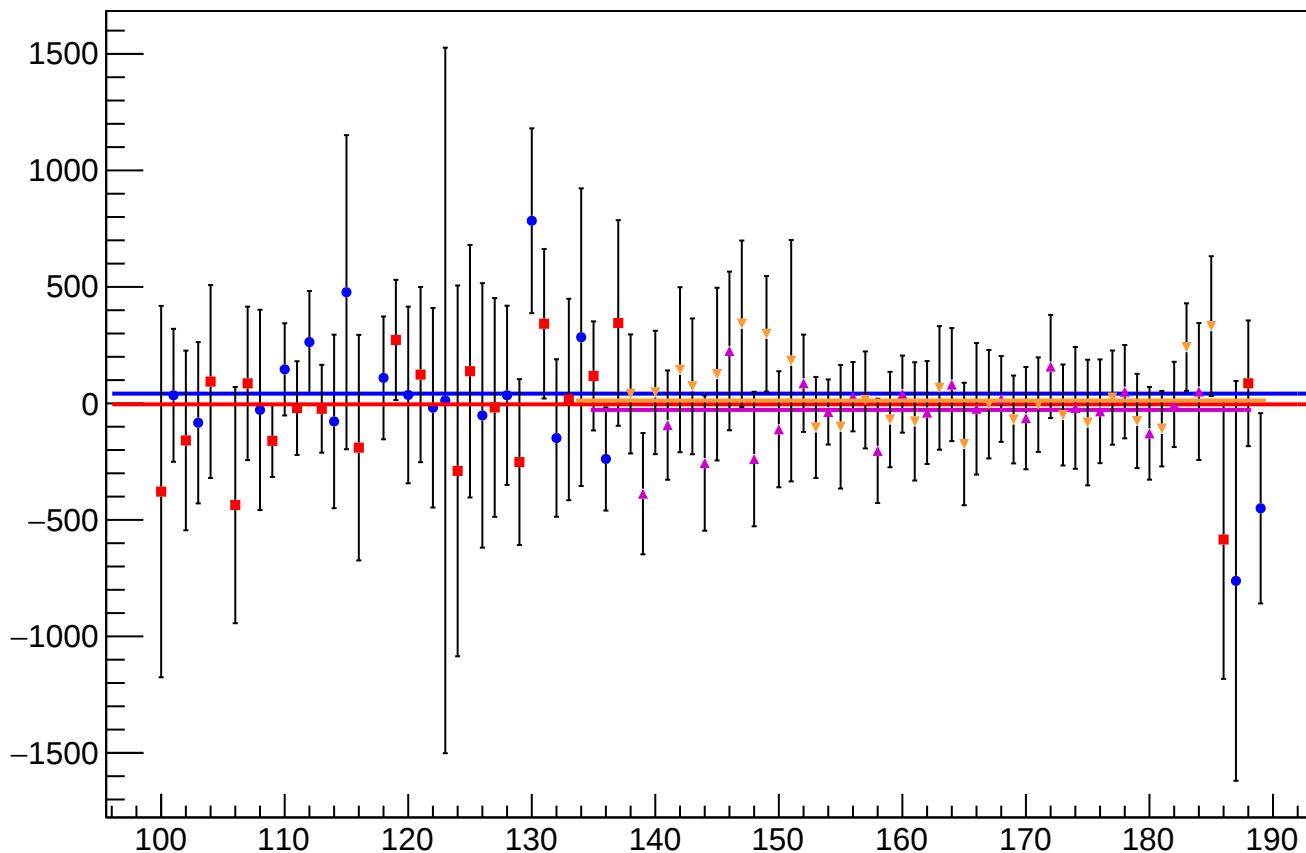
Left In: 1431.456+/-0.243 $\chi^2/\text{NDF}: 75130.4/22$

+ sign 1530.306+/-0.218 $\chi^2/\text{NDF}: 1572177.6/43$

All: 1532.178+/-0.154 $\chi^2/\text{NDF}: 3103427.9/87$

- sign 1534.055+/-0.218 $\chi^2/\text{NDF}: 1531102.0/43$

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 41.968 $\pm$ 78.029 χ^2 /NDF: 10.0/18

Left Out: 12.618 $\pm$ 47.486 χ^2 /NDF: 7.7/24

Right Out: -3.932 $\pm$ 67.343 χ^2 /NDF: 7.5/20

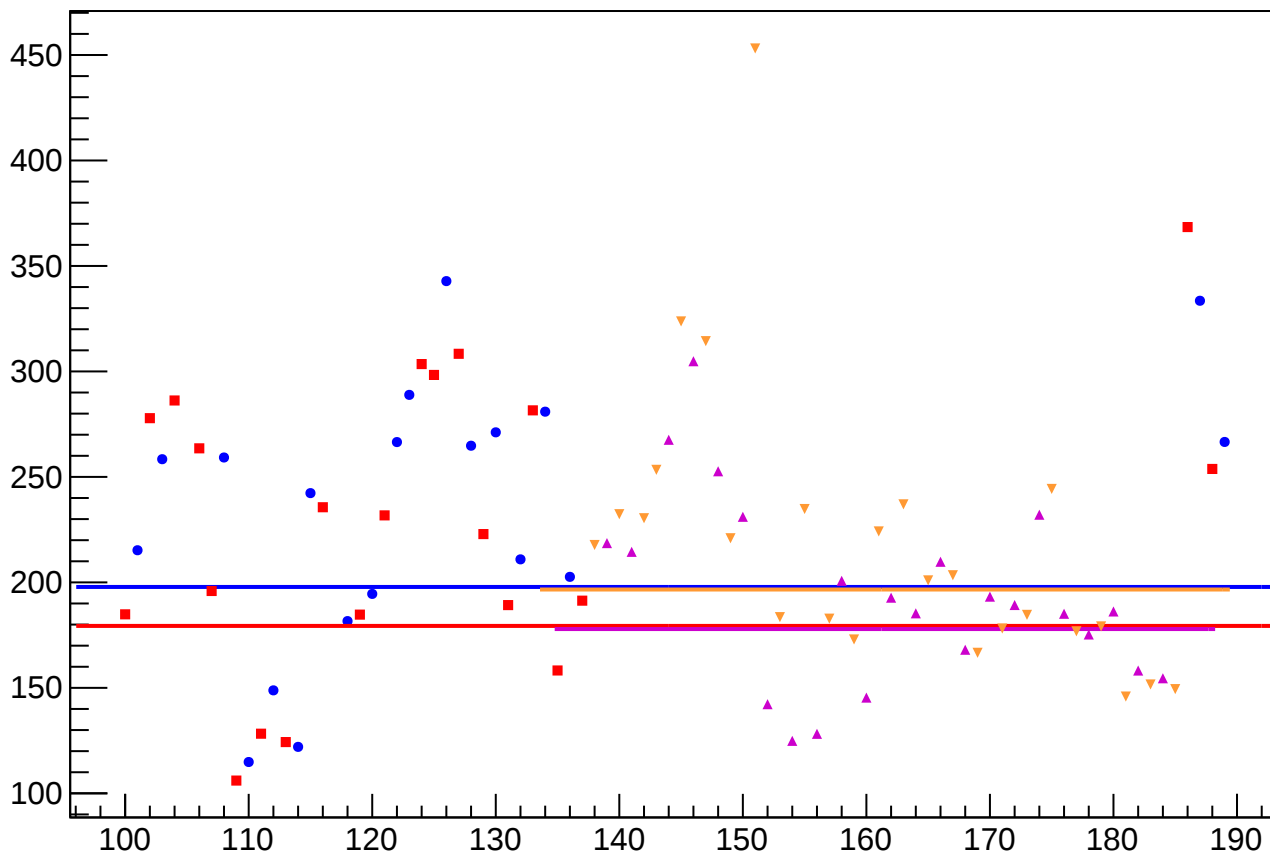
Left In: -27.921 $\pm$ 44.523 χ^2 /NDF: 6.5/22

+ sign 20.551 $\pm$ 40.565 χ^2 /NDF: 17.8/43

All: -1.848 $\pm$ 27.393 χ^2 /NDF: 32.4/87

- sign -20.624 $\pm$ 37.140 χ^2 /NDF: 14.1/43

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 197.835 $\pm$ 0.055 χ^2/NDF : 1123176.1/18

Left Out: 196.620 $\pm$ 0.034 χ^2/NDF : 1793507.9/24

Right Out: 179.366 $\pm$ 0.048 χ^2/NDF : 1947230.5/20

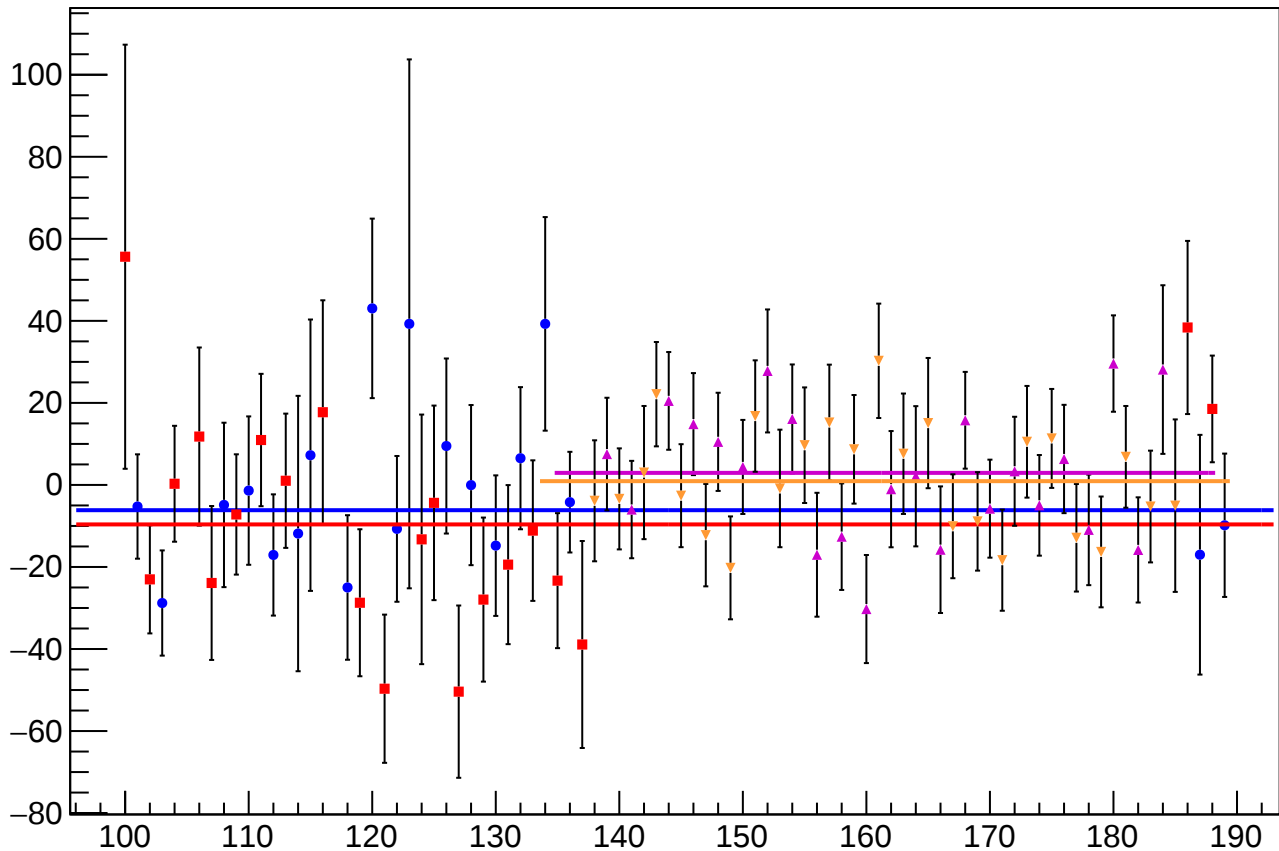
Left In: 177.878 $\pm$ 0.031 χ^2/NDF : 1644086.7/22

+ sign 196.948 $\pm$ 0.029 χ^2/NDF : 2917038.2/43

All: 186.820 $\pm$ 0.019 χ^2/NDF : 6738218.1/87

- sign 178.330 $\pm$ 0.026 χ^2/NDF : 3591996.6/43

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.158 $\pm$ 4.188 χ^2/NDF : 15.4/18

Left Out: 0.920 $\pm$ 2.696 χ^2/NDF : 24.0/24

Right Out: -9.626 $\pm$ 3.985 χ^2/NDF : 30.6/20

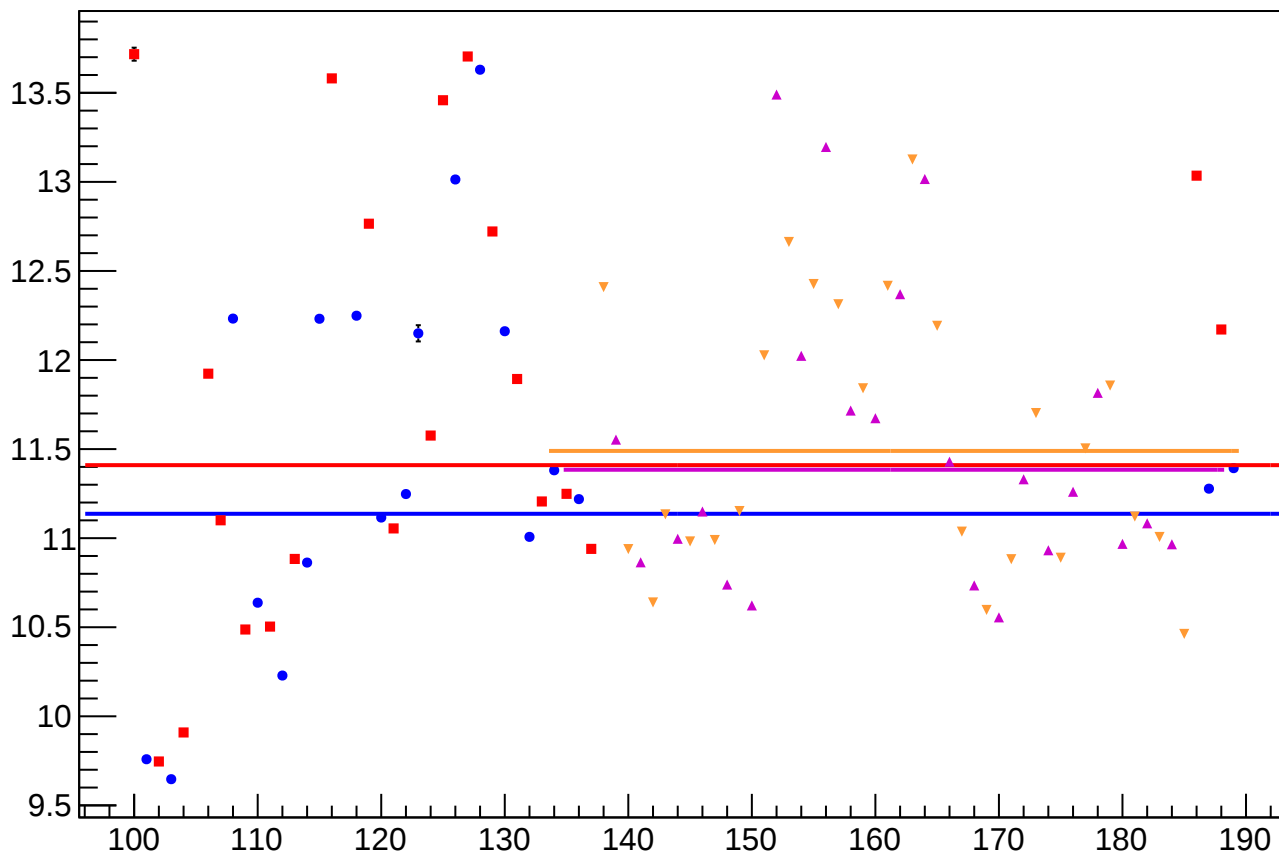
Left In: 2.941 $\pm$ 2.745 χ^2/NDF : 31.0/22

+ sign -1.154 $\pm$ 2.267 χ^2/NDF : 41.4/43

All: -1.128 $\pm$ 1.601 χ^2/NDF : 109.8/87

- sign -1.102 $\pm$ 2.260 χ^2/NDF : 68.4/43

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.137 $\pm$ 0.003 χ^2 /NDF: 132466.1/18

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 11.410 $\pm$ 0.003 χ^2 /NDF: 169837.0/20

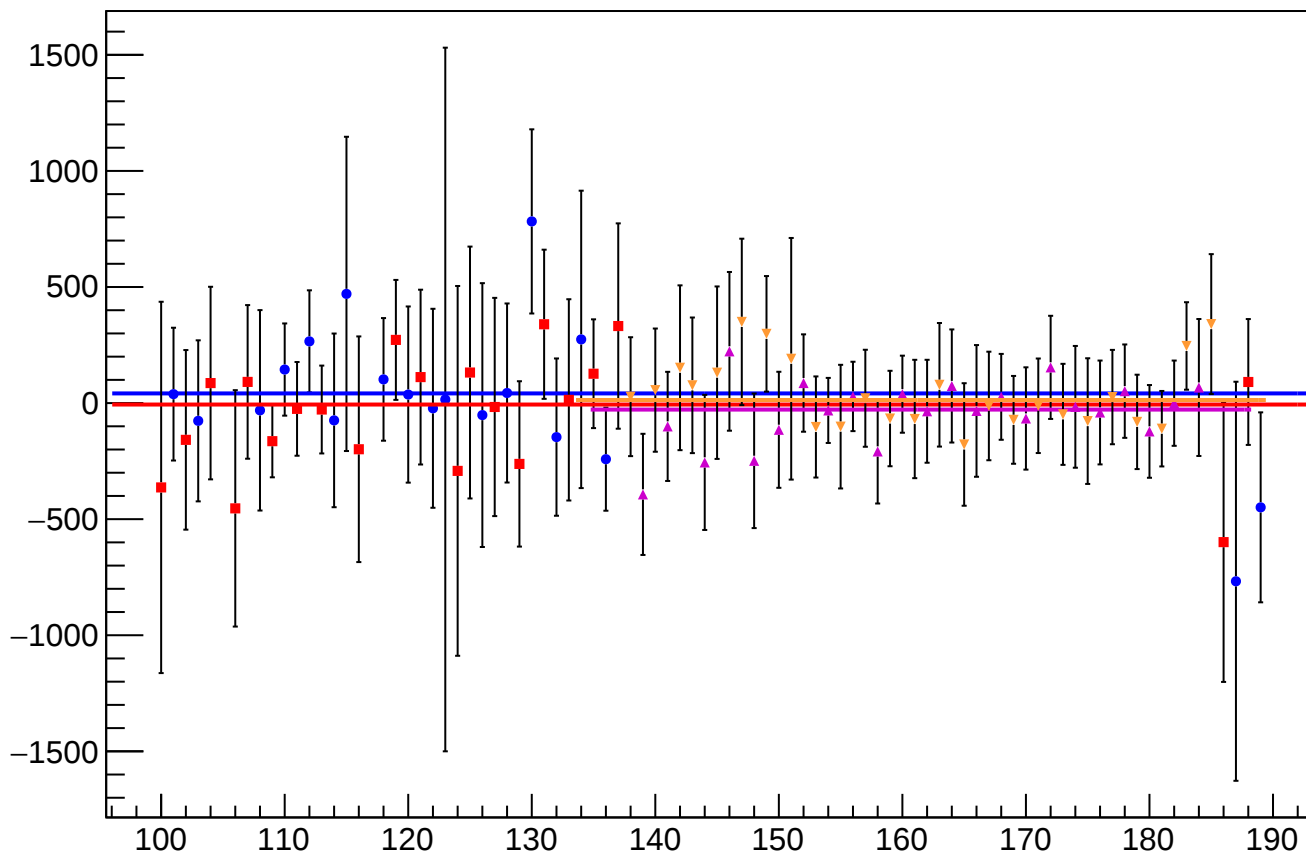
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.386 $\pm$ 0.002 χ^2 /NDF: 274908.5/43

All: 11.389 $\pm$ 0.001 χ^2 /NDF: 594609.0/87

- sign 11.392 $\pm$ 0.002 χ^2 /NDF: 319693.4/43

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 41.656 $\pm$ 78.232 χ^2 /NDF: 9.9/18

Left Out: 13.323 $\pm$ 47.662 χ^2 /NDF: 7.9/24

Right Out: -6.258 $\pm$ 67.551 χ^2 /NDF: 7.6/20

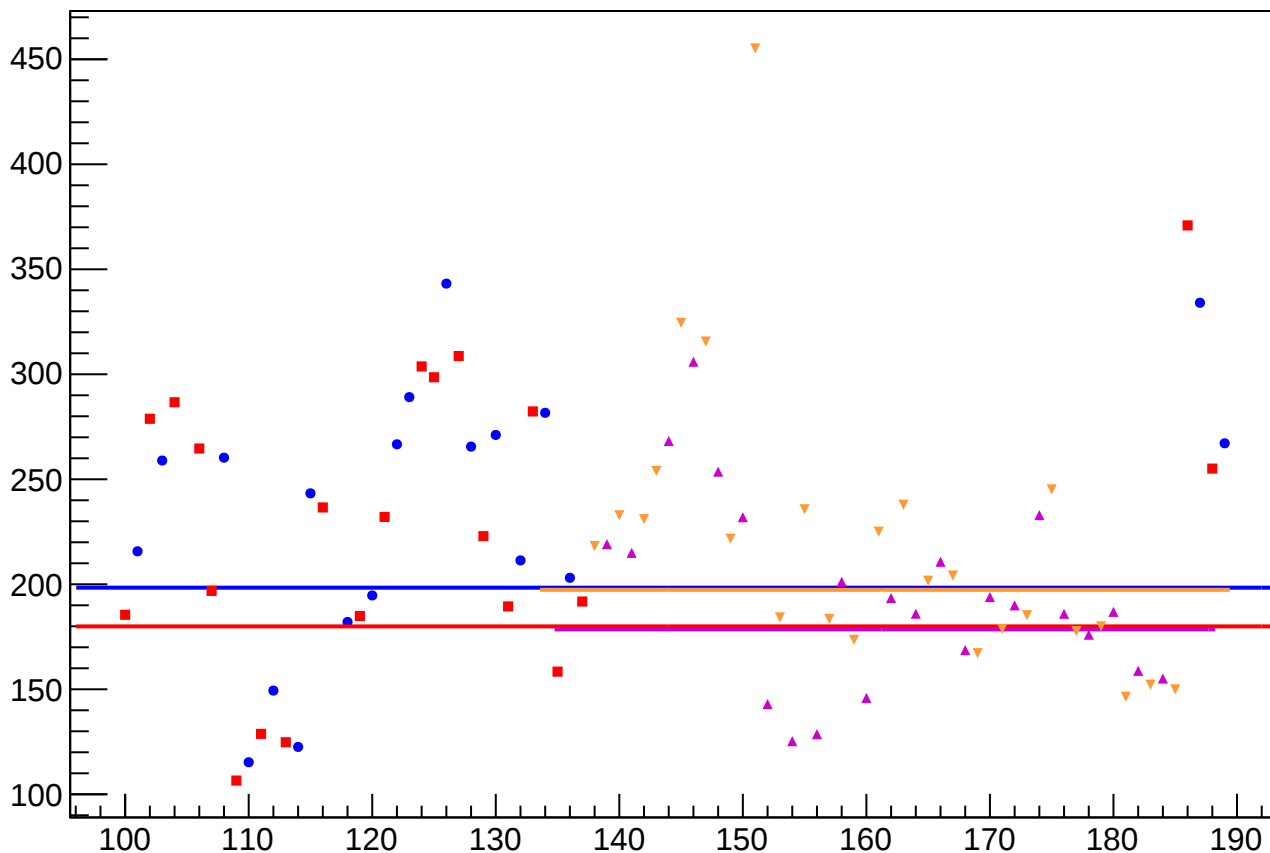
Left In: -28.050 $\pm$ 44.681 χ^2 /NDF: 6.6/22

+ sign 20.992 $\pm$ 40.703 χ^2 /NDF: 17.9/43

All: -2.078 $\pm$ 27.486 χ^2 /NDF: 32.8/87

- sign -21.417 $\pm$ 37.267 χ^2 /NDF: 14.3/43

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 198.391 $\pm$ 0.055 χ^2 /NDF: 1117806.8/18

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF:1790824.5/24

Right Out: 179.952 $\pm$ 0.048 χ^2 /NDF: 1942757.7/20

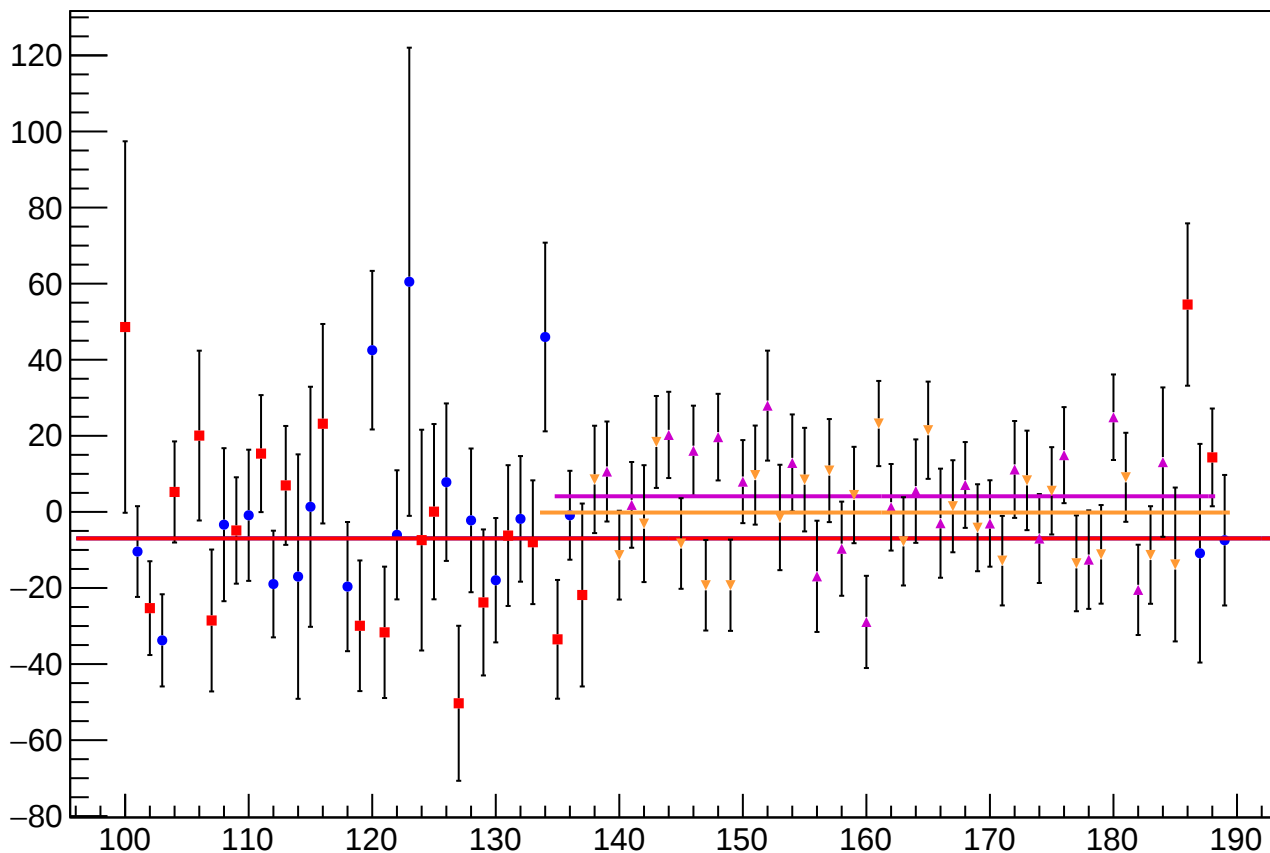
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

+ sign 197.636 $\pm$ 0.029 χ^2 /NDF: 2908886.8/43

All: 187.471 $\pm$ 0.019 χ^2 /NDF: 6723857.1/87

- sign 178.950 $\pm$ 0.026 χ^2 /NDF: 3585694.1/43

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.952 ± 4.005 χ^2/NDF : 19.4/18

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -6.975 ± 3.830 χ^2/NDF : 34.9/20

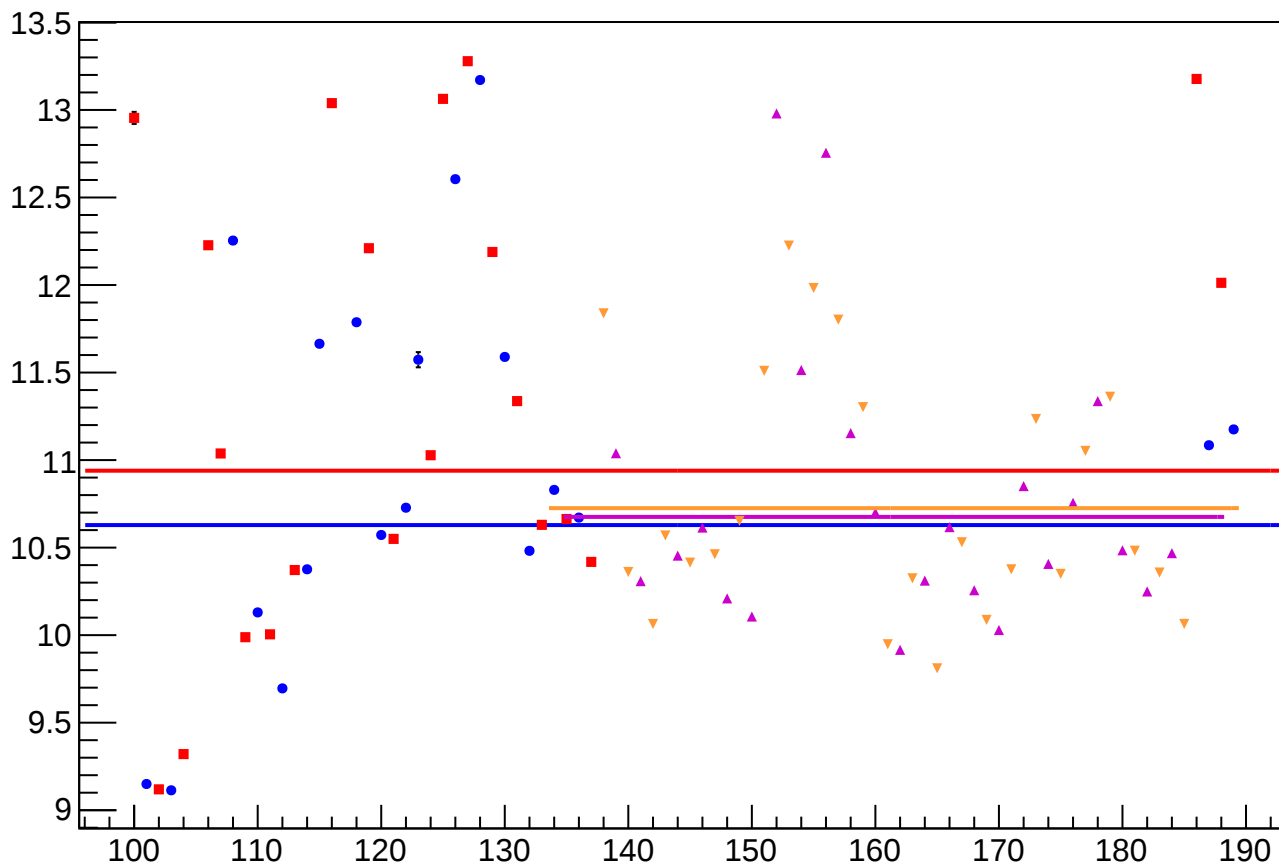
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -2.094 ± 2.133 χ^2/NDF : 45.8/43

All: -0.724 ± 1.510 χ^2/NDF : 118.9/87

- sign 0.653 ± 2.138 χ^2/NDF : 72.2/43

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.629 $\pm$ 0.003 χ^2/NDF : 161956.8/18

Left Out: 10.725 $\pm$ 0.002 χ^2/NDF : 132170.8/24

Right Out: 10.939 $\pm$ 0.003 χ^2/NDF : 218479.4/20

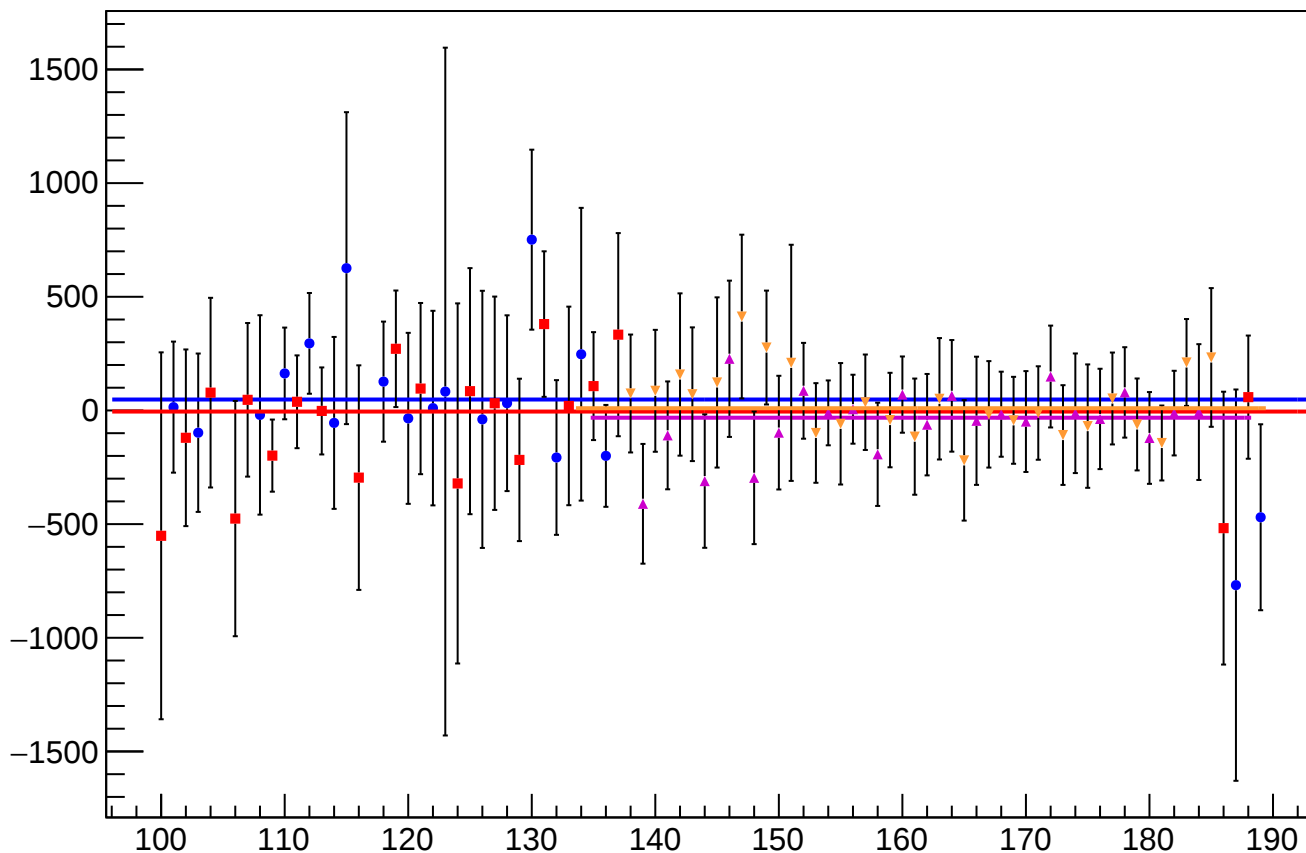
Left In: 10.675 $\pm$ 0.002 χ^2/NDF : 145938.2/22

+ sign 10.698 $\pm$ 0.002 χ^2/NDF : 294962.7/43

All: 10.728 $\pm$ 0.001 χ^2/NDF : 666698.7/87

- sign 10.758 $\pm$ 0.002 χ^2/NDF : 370955.7/43

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 48.105 $\pm$ 78.731 χ^2 /NDF: 10.3/18

Left Out: 9.801 $\pm$ 47.979 χ^2 /NDF: 7.5/24

Right Out: -4.864 $\pm$ 68.143 χ^2 /NDF: 8.1/20

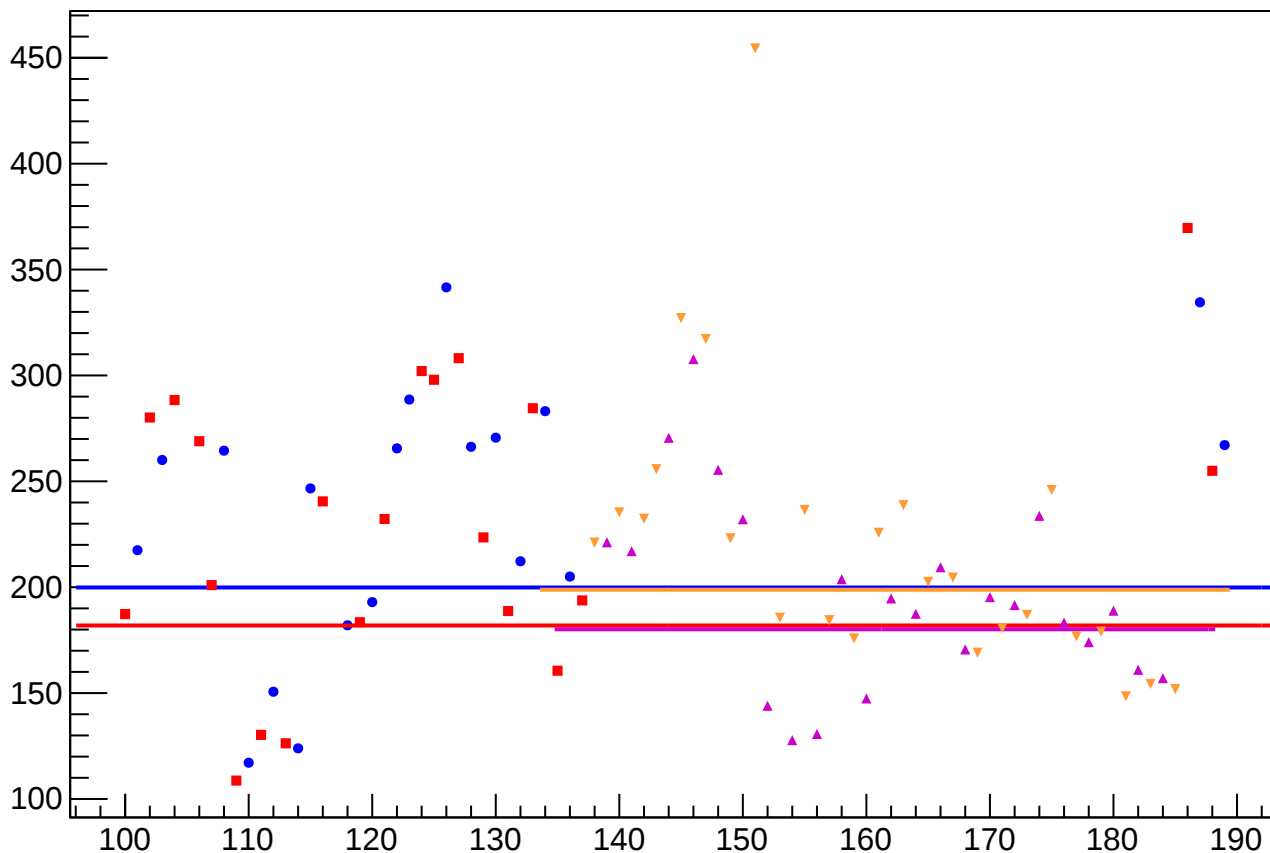
Left In: -31.989 $\pm$ 45.038 χ^2 /NDF: 7.2/22

+ sign 20.174 $\pm$ 40.971 χ^2 /NDF: 18.0/43

All: -3.680 $\pm$ 27.692 χ^2 /NDF: 34.0/87

- sign -23.742 $\pm$ 37.573 χ^2 /NDF: 15.4/43

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 199.876+/-0.056 χ^2/NDF : 1088555.7/18

Left Out: 198.800+/-0.034 χ^2/NDF : 1763119.1/24

Right Out: 181.922+/-0.048 χ^2/NDF : 1888026.7/20

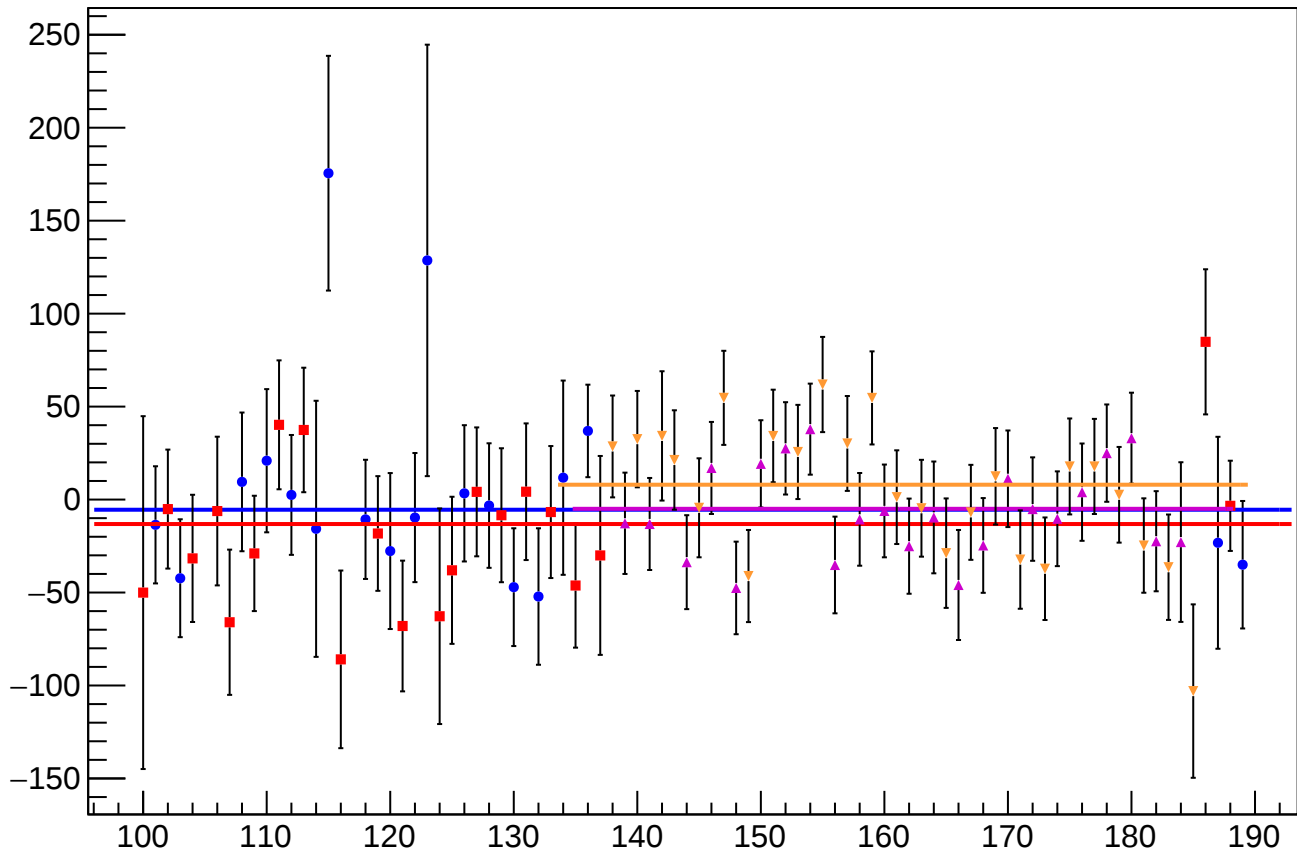
Left In: 180.123+/-0.032 χ^2/NDF : 1593842.6/22

+ sign 199.091+/-0.029 χ^2/NDF : 2851946.8/43

All: 189.085+/-0.020 χ^2/NDF : 6554405.8/87

- sign 180.670+/-0.027 χ^2/NDF : 3482839.6/43

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.470 ± 8.519 $\chi^2/\text{NDF}: 19.3/18$

Left Out: 7.990 ± 5.327 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -13.160 ± 7.916 $\chi^2/\text{NDF}: 21.3/20$

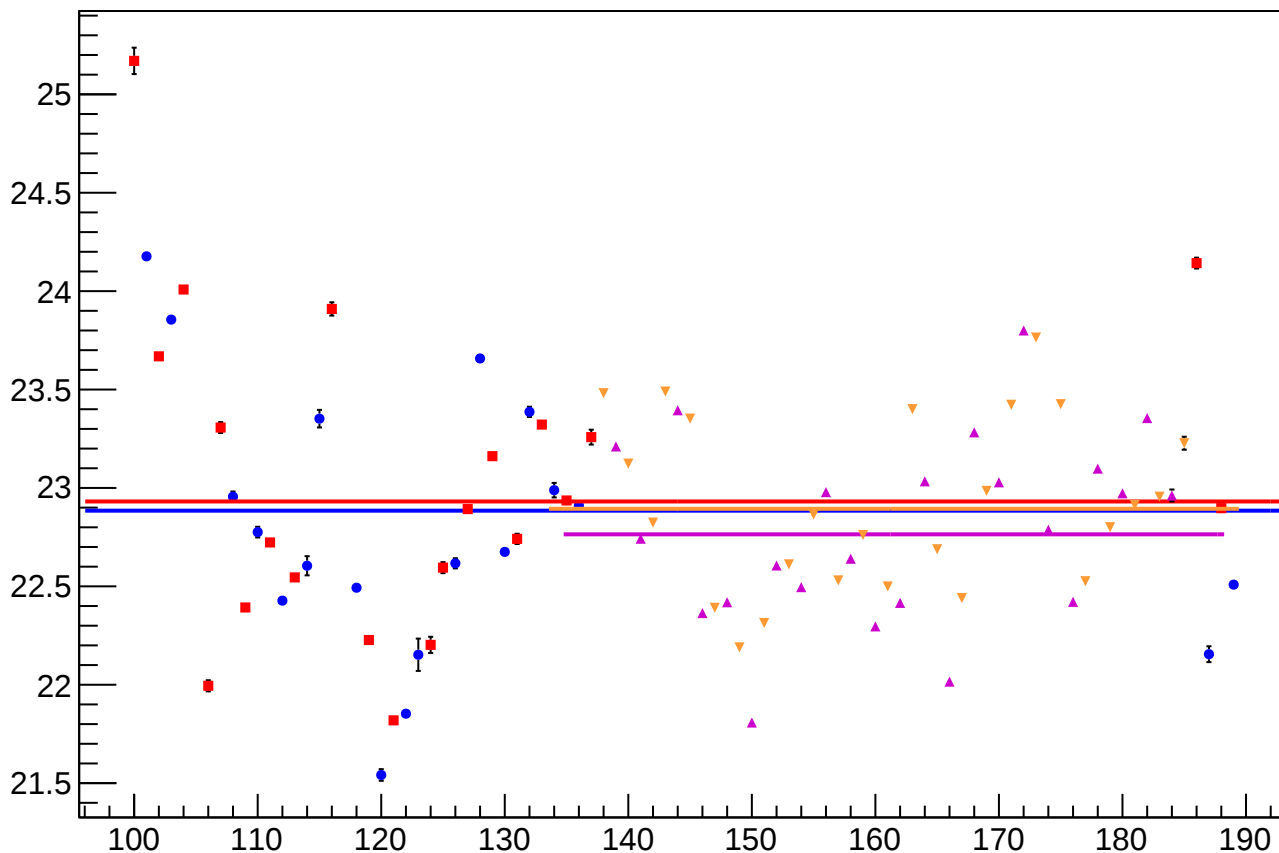
Left In: -4.973 ± 5.444 $\chi^2/\text{NDF}: 20.5/22$

+ sign 4.206 ± 4.517 $\chi^2/\text{NDF}: 58.5/43$

All: -1.738 ± 3.183 $\chi^2/\text{NDF}: 104.4/87$

- sign -7.602 ± 4.486 $\chi^2/\text{NDF}: 42.4/43$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.885 $\pm$ 0.006 χ^2 /NDF: 12215.6/18

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.931 $\pm$ 0.006 χ^2 /NDF: 13109.2/20

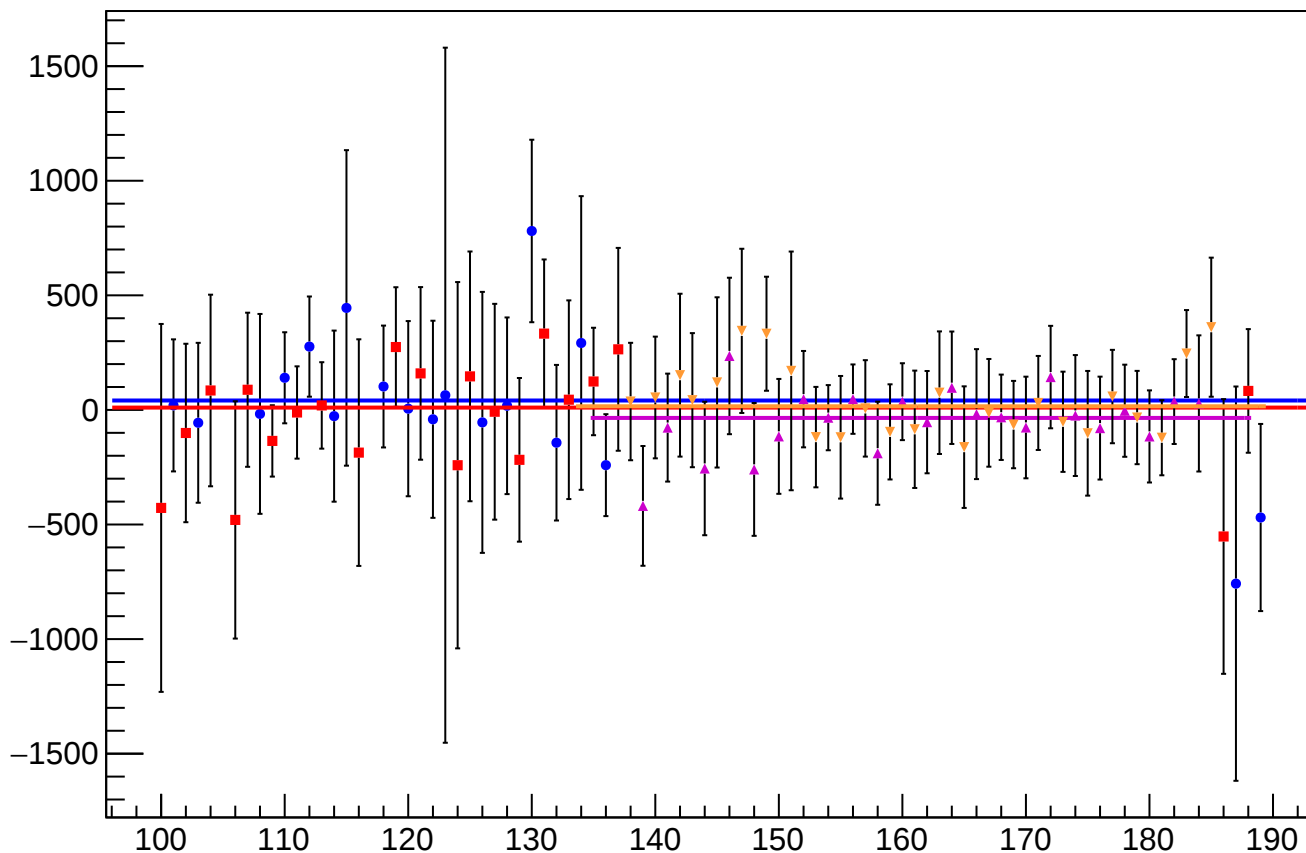
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.891 $\pm$ 0.003 χ^2 /NDF: 25287.9/43

All: 22.854 $\pm$ 0.002 χ^2 /NDF: 53933.7/87

- sign 22.818 $\pm$ 0.003 χ^2 /NDF: 28379.1/43

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 41.115 $\pm$ 78.396 χ^2 /NDF: 10.0/18

Left Out: 15.904 $\pm$ 47.898 χ^2 /NDF: 8.4/24

Right Out: 10.197 $\pm$ 67.681 χ^2 /NDF: 6.7/20

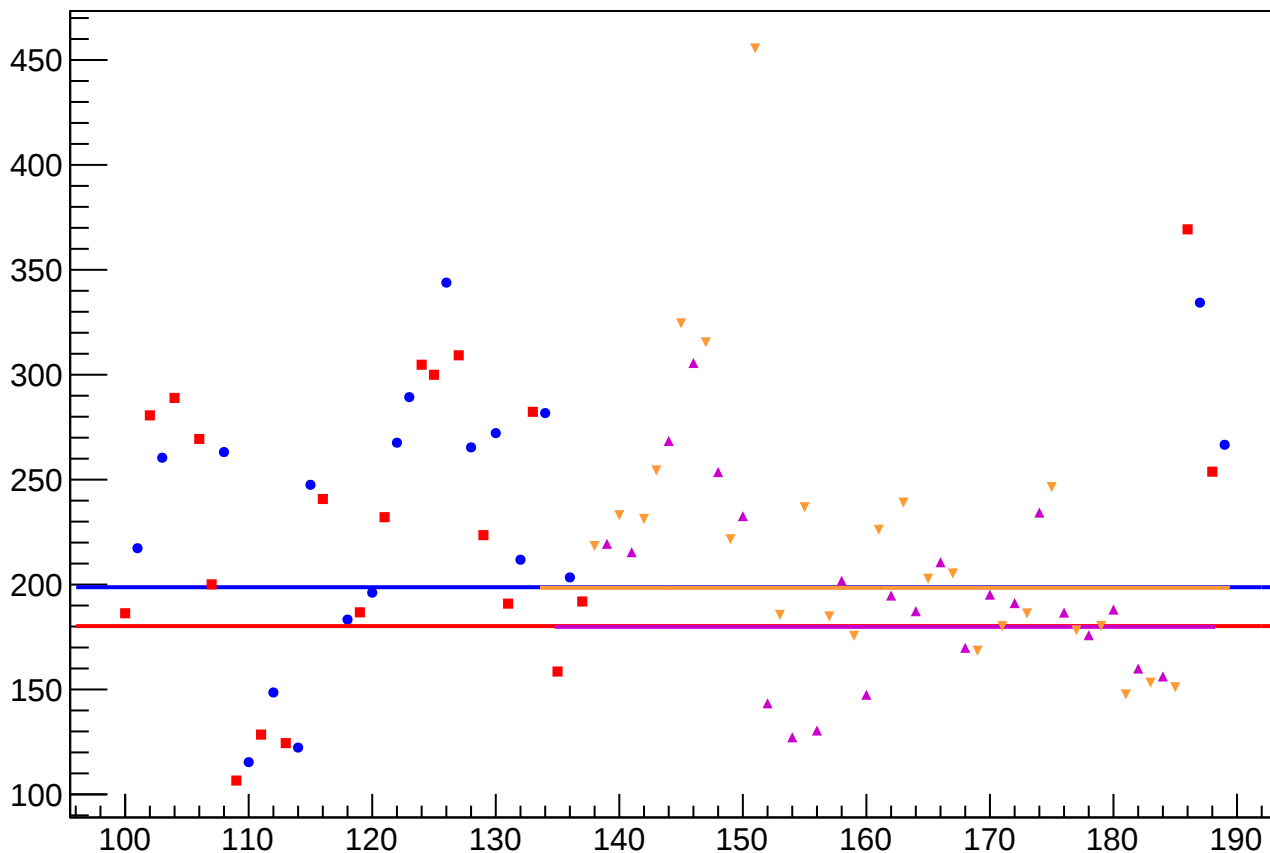
Left In: -34.919 $\pm$ 44.971 χ^2 /NDF: 6.6/22

+ sign 22.757 $\pm$ 40.873 χ^2 /NDF: 18.5/43

All: -1.082 $\pm$ 27.615 χ^2 /NDF: 32.7/87

- sign -21.101 $\pm$ 37.456 χ^2 /NDF: 13.6/43

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 198.728 $\pm$ 0.055 χ^2 /NDF: 1131412.7/18

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF: 1761433.9/24

Right Out: 180.214 $\pm$ 0.048 χ^2 /NDF: 1962730.5/20

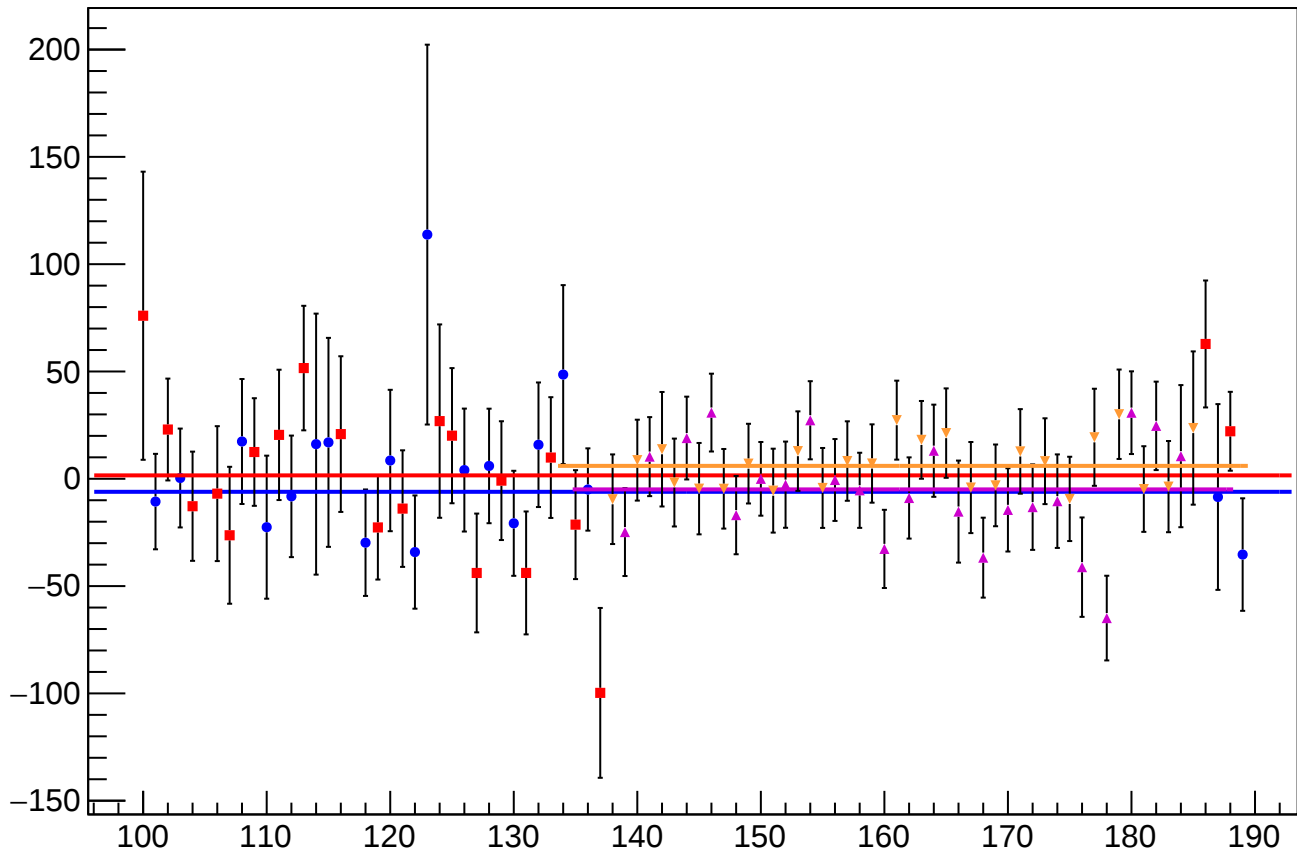
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF: 1588834.3/22

+ sign 198.525 $\pm$ 0.029 χ^2 /NDF: 2892865.0/43

All: 188.431 $\pm$ 0.020 χ^2 /NDF: 6668902.6/87

- sign 179.954 $\pm$ 0.026 χ^2 /NDF: 3551607.3/43

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.066 $\pm$ 6.622 χ^2/NDF : 9.7/18

Left Out: 6.020 $\pm$ 4.017 χ^2/NDF : 8.1/24

Right Out: 1.589 $\pm$ 6.189 χ^2/NDF : 27.2/20

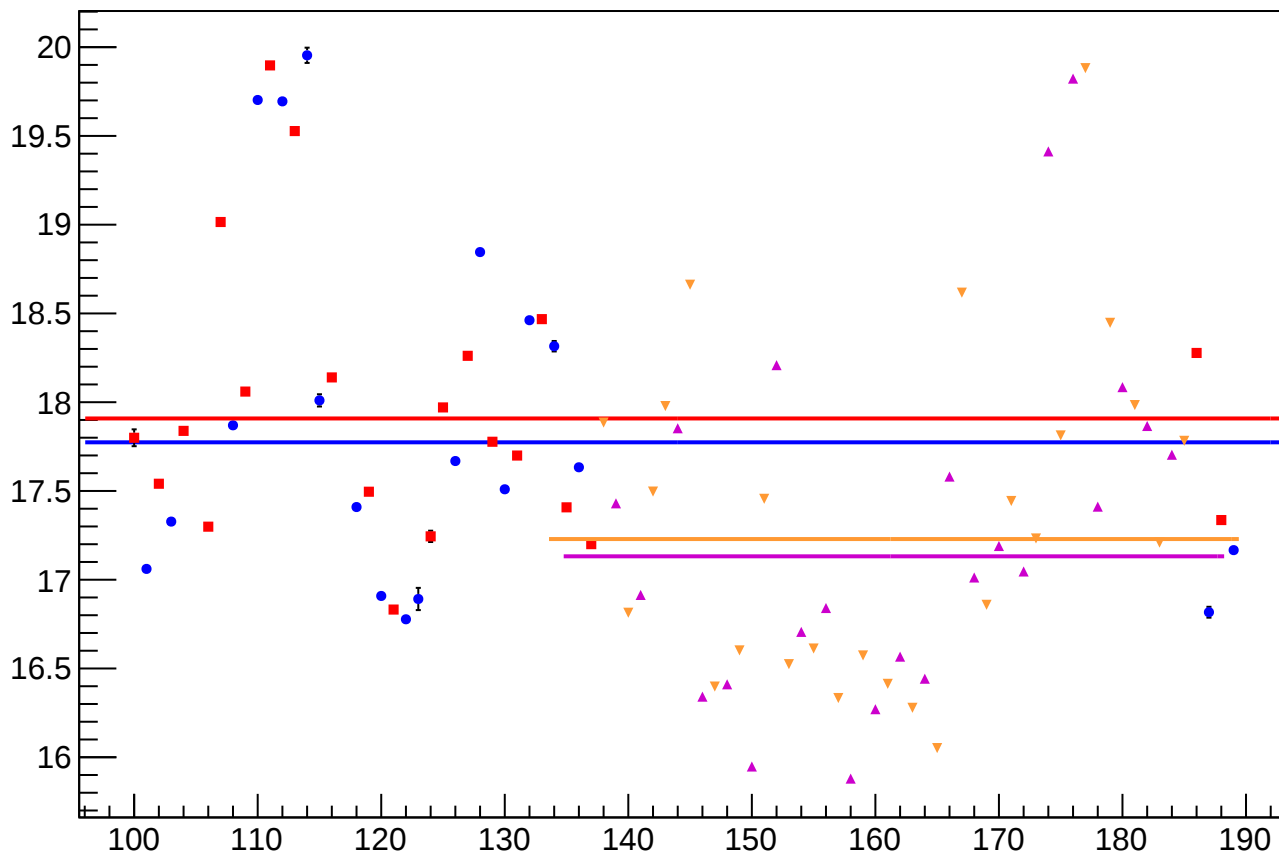
Left In: -4.943 $\pm$ 4.108 χ^2/NDF : 34.8/22

+ sign 2.769 $\pm$ 3.435 χ^2/NDF : 20.3/43

All: -0.099 $\pm$ 2.424 χ^2/NDF : 84.5/87

- sign -2.946 $\pm$ 3.422 χ^2/NDF : 62.8/43

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.774 $\pm$ 0.005 χ^2 /NDF: 33315.5/18

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF:98624.7/24

Right Out: 17.908 $\pm$ 0.004 χ^2 /NDF: 27721.1/20

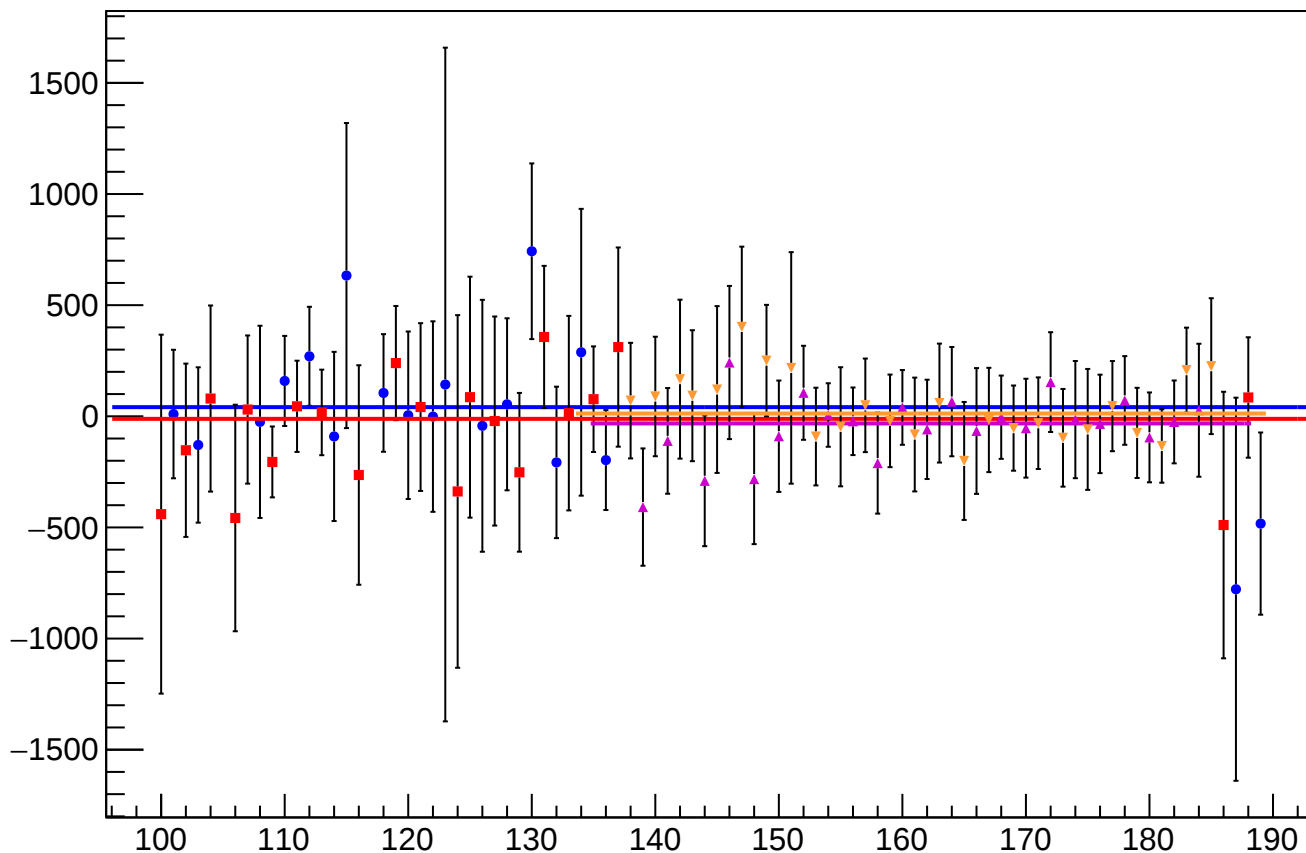
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF:103997.3/22

+ sign 17.376 $\pm$ 0.002 χ^2 /NDF: 141838.9/43

All: 17.372 $\pm$ 0.002 χ^2 /NDF: 295417.0/87

- sign 17.369 $\pm$ 0.002 χ^2 /NDF: 153574.5/43

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 41.153+/-78.925 χ^2/NDF : 10.1/18

Left Out: 12.474+/-48.086 χ^2/NDF : 6.8/24

Right Out: -11.497+/-68.282 χ^2/NDF : 7.5/20

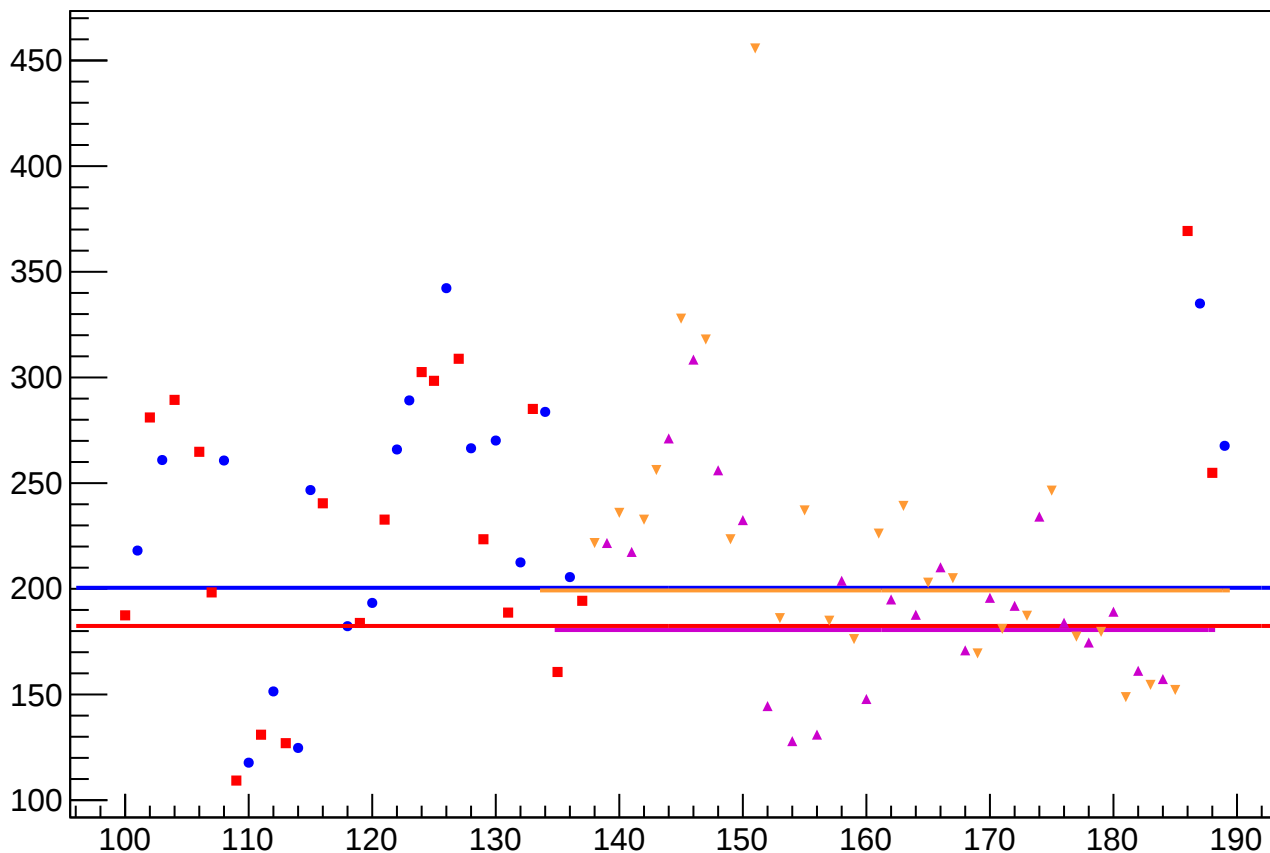
Left In: -32.159+/-45.131 χ^2/NDF : 6.9/22

+ sign 20.238+/-41.065 χ^2/NDF : 17.1/43

All: -4.816+/-27.751 χ^2/NDF : 32.2/87

- sign -25.877+/-37.650 χ^2/NDF : 14.5/43

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 200.482 $\pm$ 0.056 χ^2 /NDF: 1073012.9/18

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 182.425 $\pm$ 0.048 χ^2 /NDF: 1866498.2/20

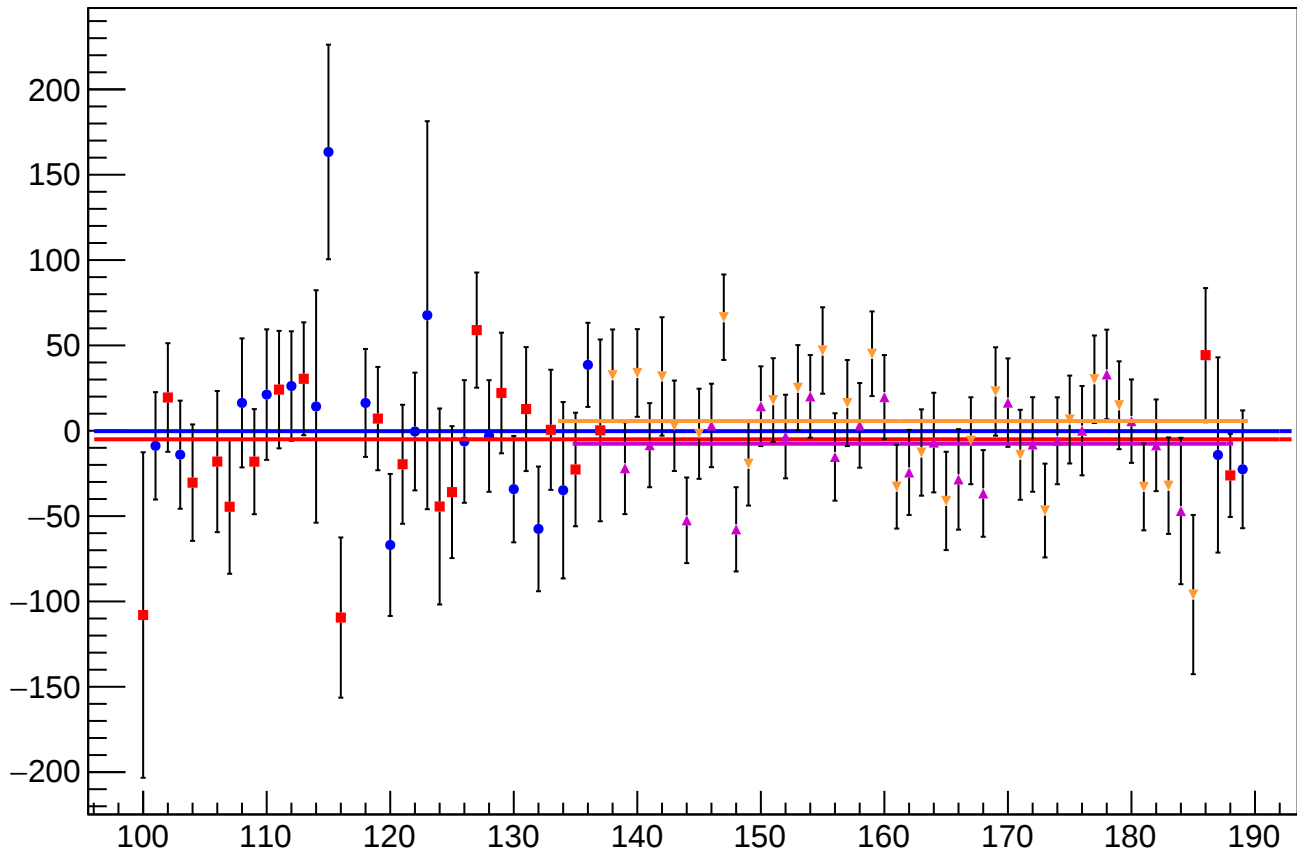
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 199.577 $\pm$ 0.029 χ^2 /NDF: 2837471.0/43

All: 189.528 $\pm$ 0.020 χ^2 /NDF: 6519307.0/87

- sign 181.081 $\pm$ 0.027 χ^2 /NDF: 3461396.1/43

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.237 $\pm$ 8.457 χ^2/NDF : 18.6/18

Left Out: 5.673 $\pm$ 5.278 χ^2/NDF :36.4/24

Right Out: -5.006 $\pm$ 7.861 χ^2/NDF : 18.9/20

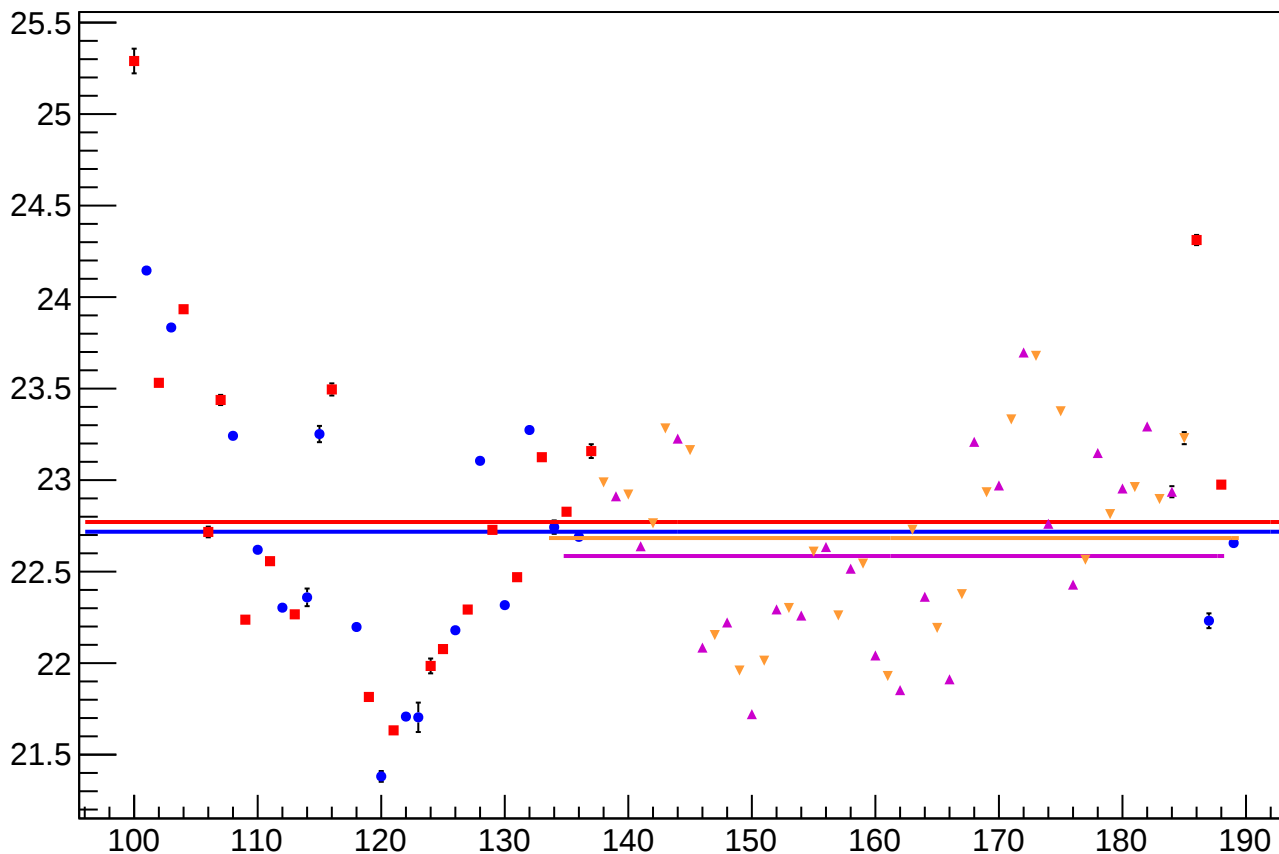
Left In: -7.594 $\pm$ 5.402 χ^2/NDF :18.3/22

+ sign 4.016 $\pm$ 4.477 χ^2/NDF : 55.3/43

All: -1.404 $\pm$ 3.157 χ^2/NDF : 95.5/87

- sign -6.764 $\pm$ 4.452 χ^2/NDF : 37.3/43

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.718 $\pm$ 0.006 χ^2 /NDF: 13687.6/18

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.771 $\pm$ 0.006 χ^2 /NDF: 16284.1/20

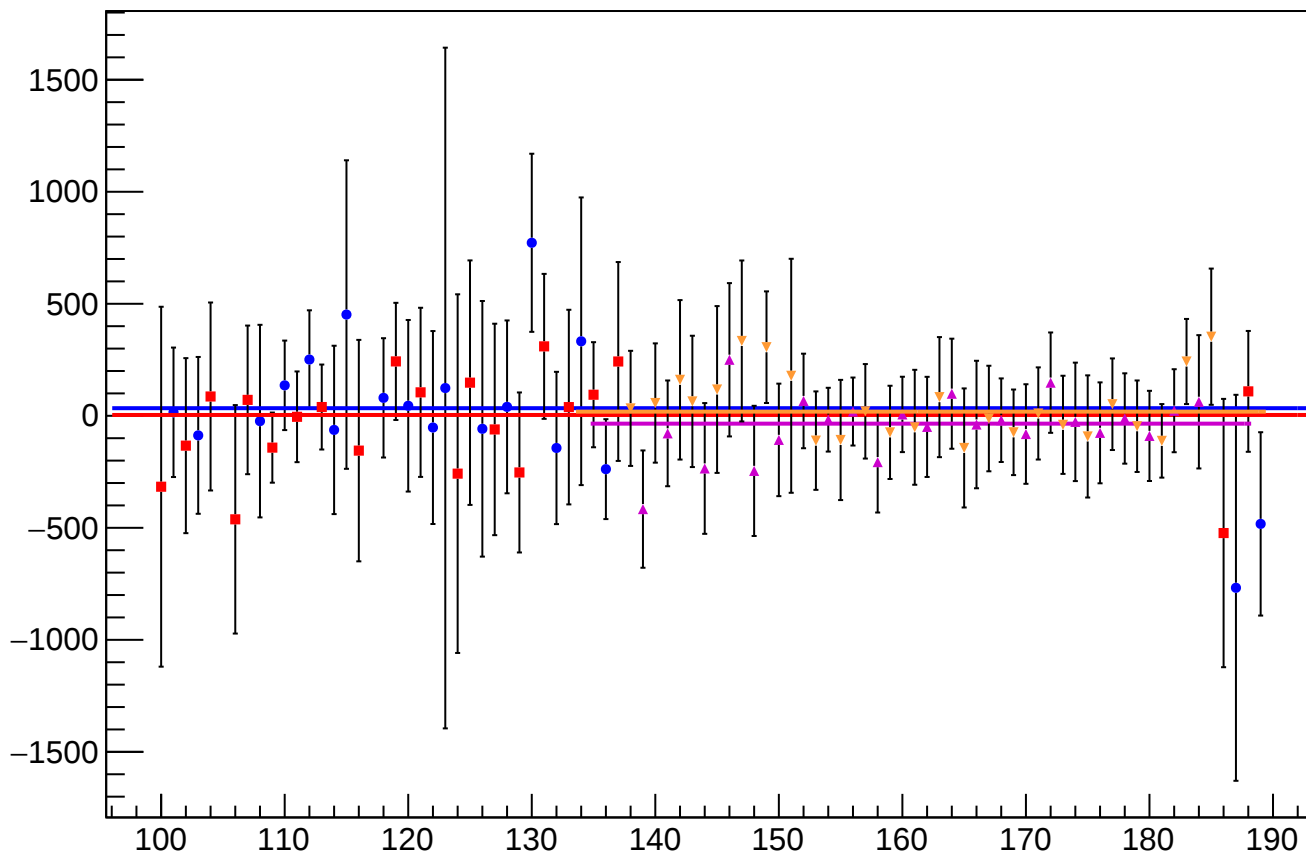
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.693 $\pm$ 0.003 χ^2 /NDF: 30029.6/43

All: 22.669 $\pm$ 0.002 χ^2 /NDF: 65277.4/87

- sign 22.645 $\pm$ 0.003 χ^2 /NDF: 35131.0/43

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 33.985 $\pm$ 78.592 χ^2 /NDF: 9.8/18

Left Out: 18.633 $\pm$ 48.006 χ^2 /NDF: 7.6/24

Right Out: 3.737 $\pm$ 67.824 χ^2 /NDF: 6.1/20

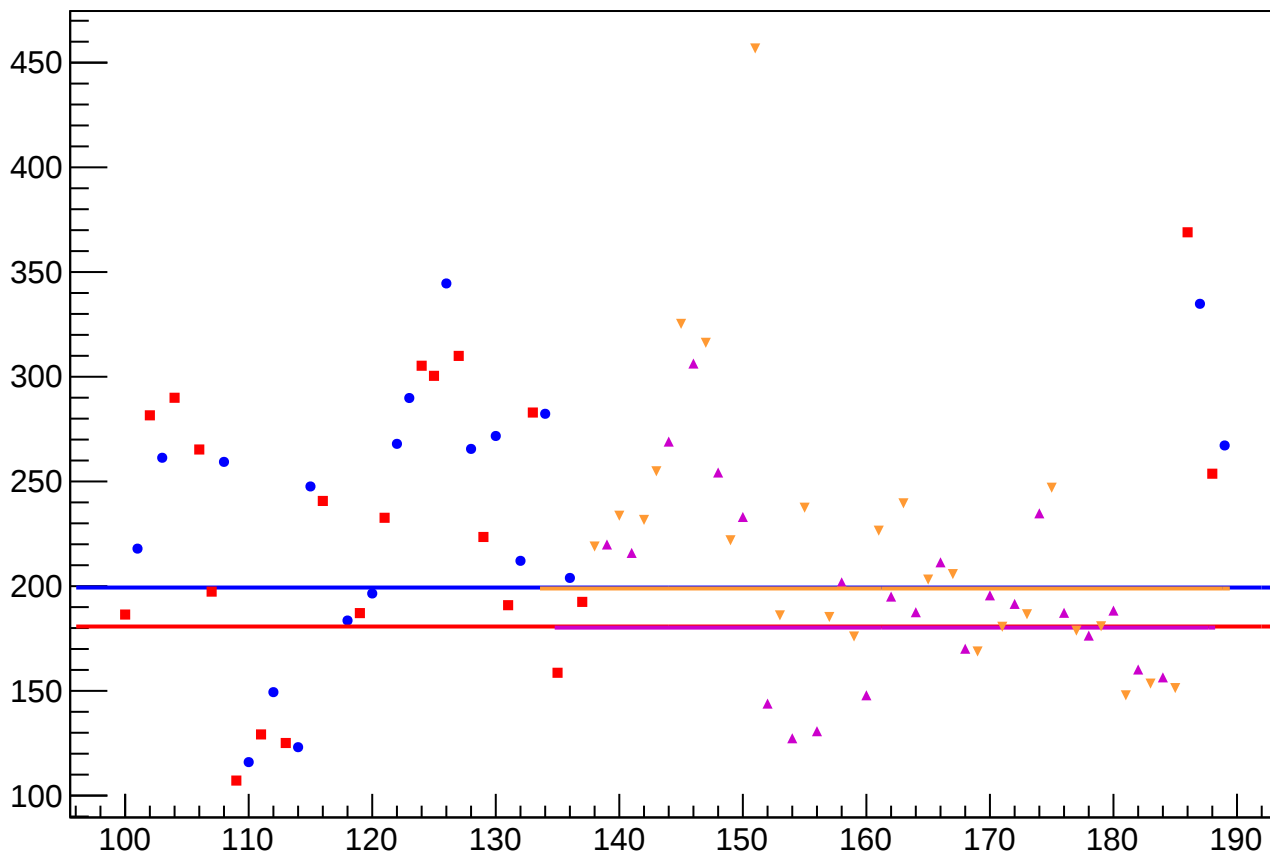
Left In: -35.046 $\pm$ 45.063 χ^2 /NDF: 6.3/22

+ sign 22.804 $\pm$ 40.968 χ^2 /NDF: 17.4/43

All: -2.189 $\pm$ 27.675 χ^2 /NDF: 30.7/87

- sign -23.169 $\pm$ 37.534 χ^2 /NDF: 12.6/43

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 199.346 $\pm$ 0.056 χ^2 /NDF: 1115131.7/18

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF: 1762454.6/24

Right Out: 180.733 $\pm$ 0.048 χ^2 /NDF: 1940174.1/20

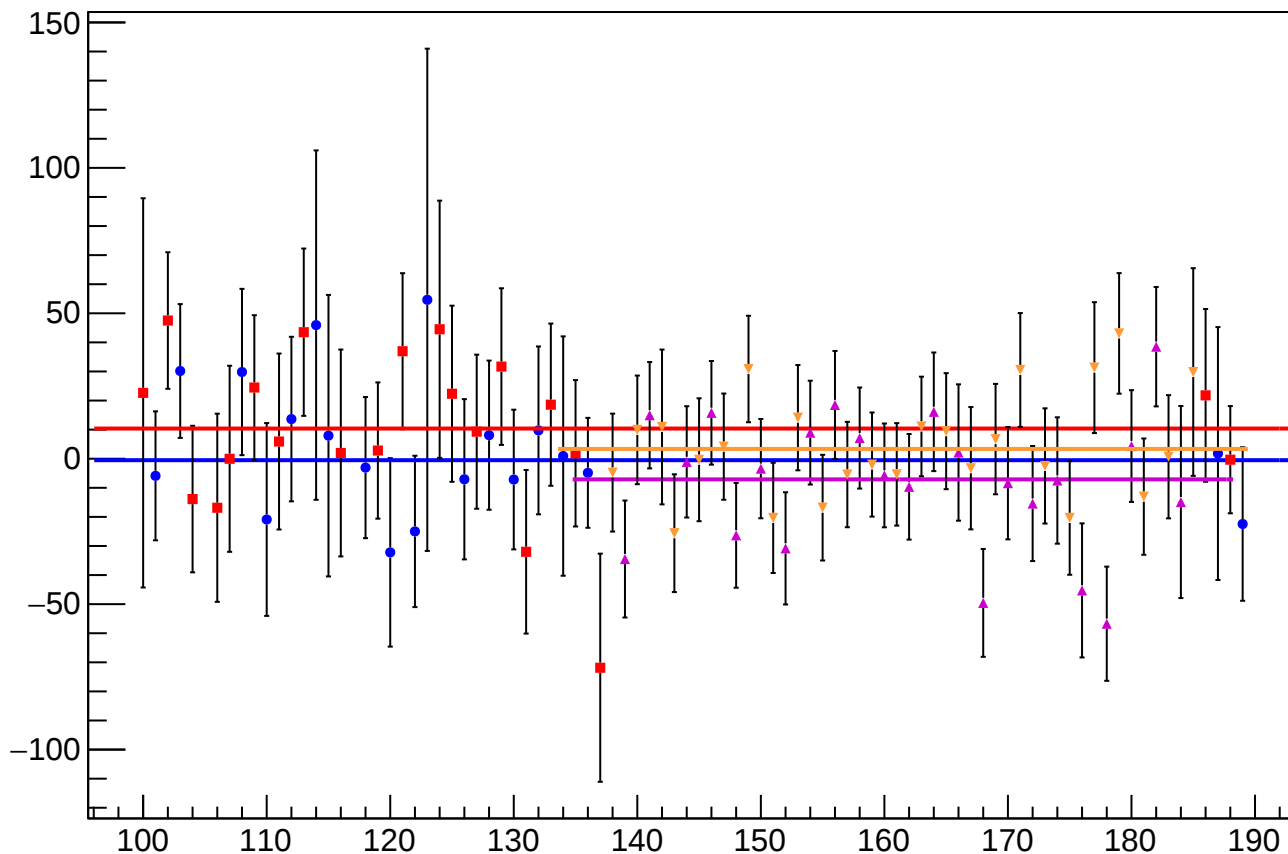
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF: 1589005.4/22

+ sign 199.014 $\pm$ 0.029 χ^2 /NDF: 2877635.1/43

All: 188.877 $\pm$ 0.020 χ^2 /NDF: 6632141.1/87

- sign 180.368 $\pm$ 0.027 χ^2 /NDF: 3529262.8/43

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.503 ± 6.536 χ^2/NDF : 7.6/18

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: 10.379 ± 6.116 χ^2/NDF : 15.8/20

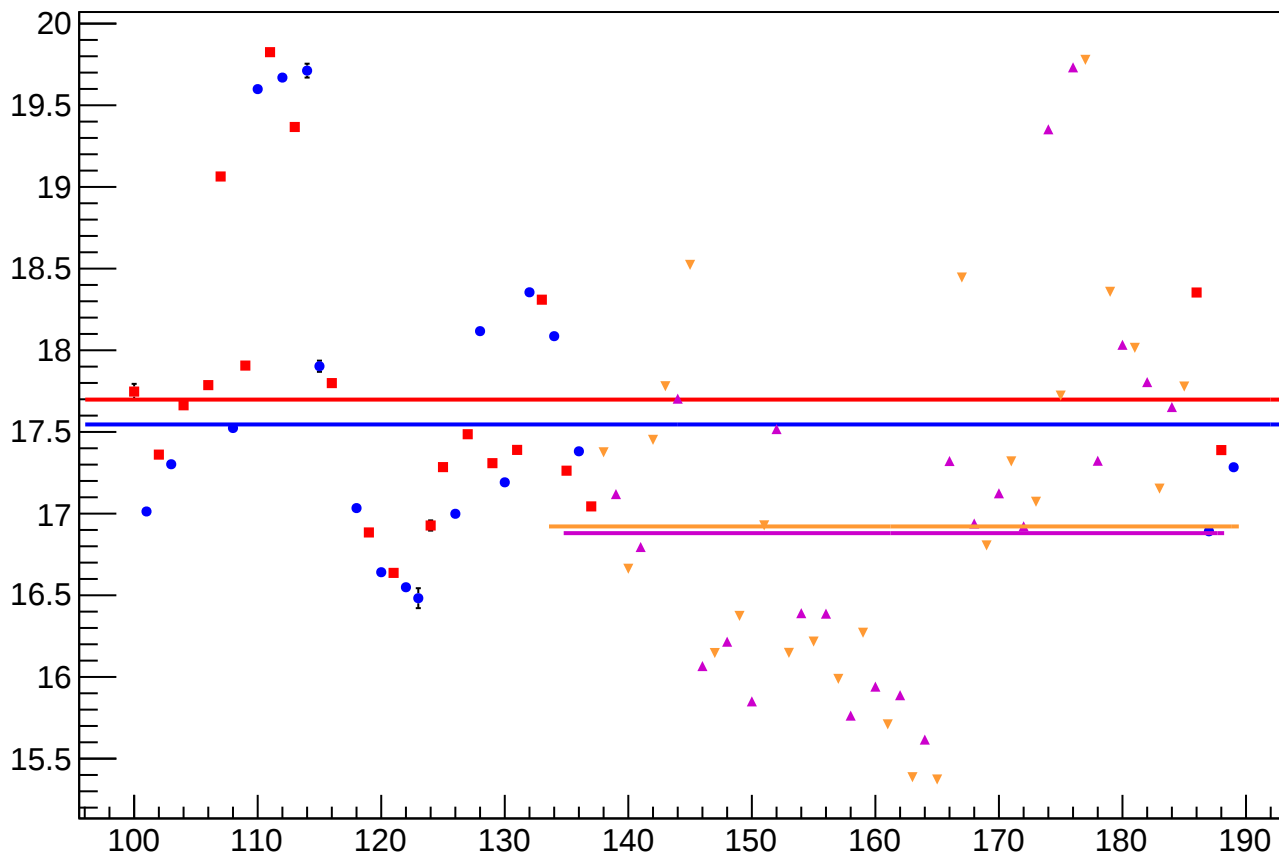
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 2.336 ± 3.379 χ^2/NDF : 26.7/43

All: 0.278 ± 2.388 χ^2/NDF : 81.4/87

- sign -1.776 ± 3.375 χ^2/NDF : 54.0/43

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.546 $\pm$ 0.005 χ^2 /NDF: 33660.6/18

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF: 138990.4/24

Right Out: 17.698 $\pm$ 0.004 χ^2 /NDF: 31816.1/20

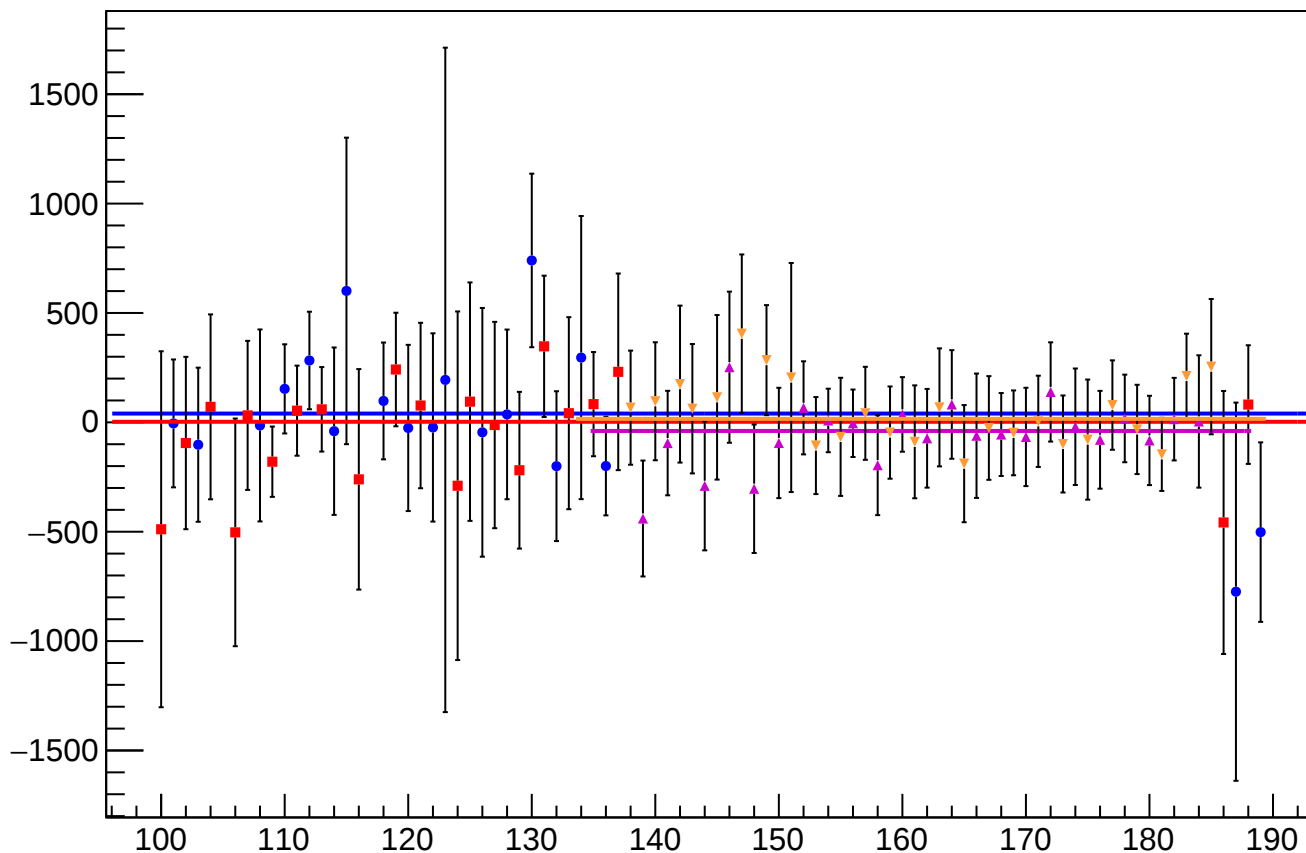
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF: 121736.1/22

+ sign 17.088 $\pm$ 0.002 χ^2 /NDF: 186027.2/43

All: 17.109 $\pm$ 0.002 χ^2 /NDF: 364587.7/87

- sign 17.129 $\pm$ 0.002 χ^2 /NDF: 178412.0/43

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 40.174+/-79.371 χ^2/NDF : 10.0/18

Left Out: 15.970+/-48.503 χ^2/NDF : 7.4/24

Right Out: 2.571+/-68.731 χ^2/NDF : 6.7/20

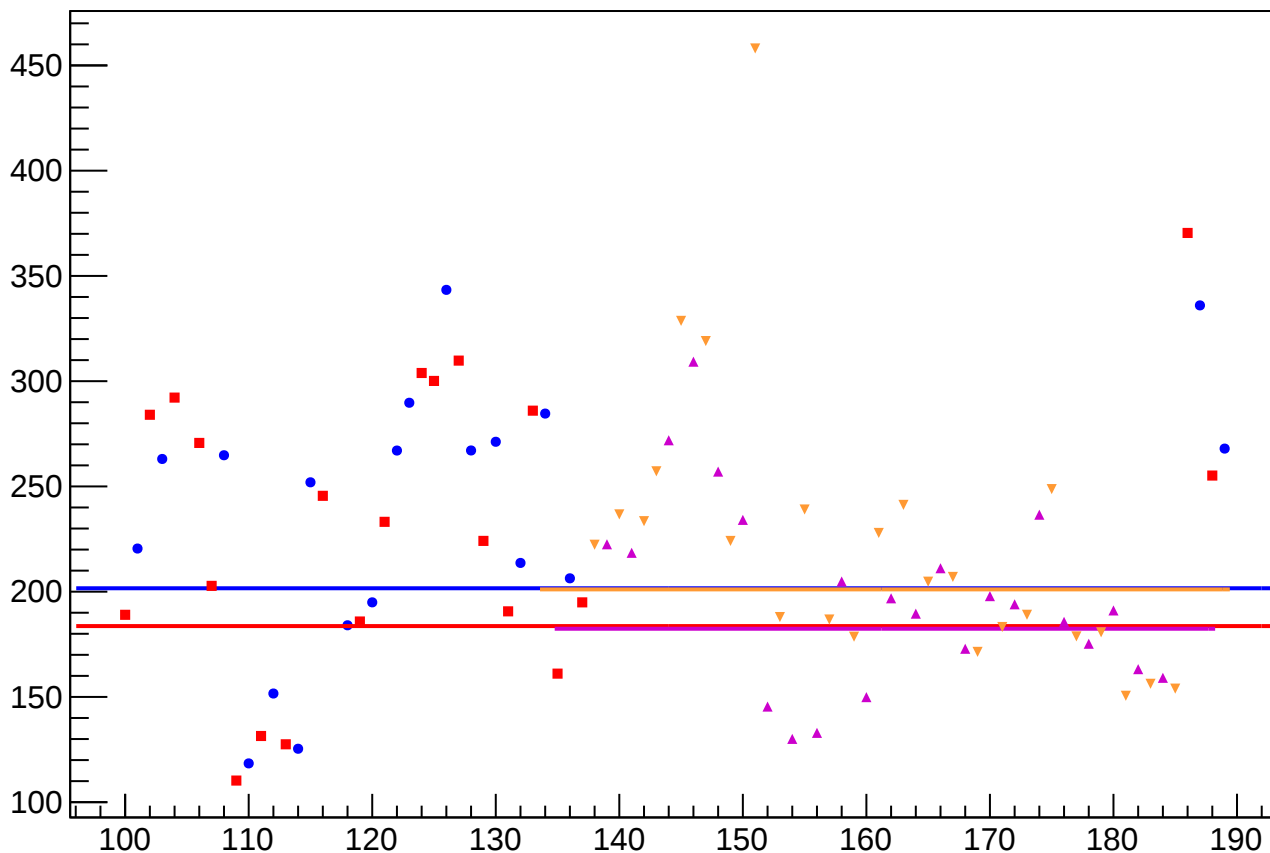
Left In: -39.377+/-45.571 χ^2/NDF : 6.9/22

+ sign 22.551+/-41.387 χ^2/NDF : 17.5/43

All: -4.113+/-27.983 χ^2/NDF : 32.1/87

- sign -26.567+/-37.981 χ^2/NDF : 13.9/43

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 201.622 $\pm$ 0.056 χ^2 /NDF: 1076068.3/18

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 183.659 $\pm$ 0.049 χ^2 /NDF: 1869655.3/20

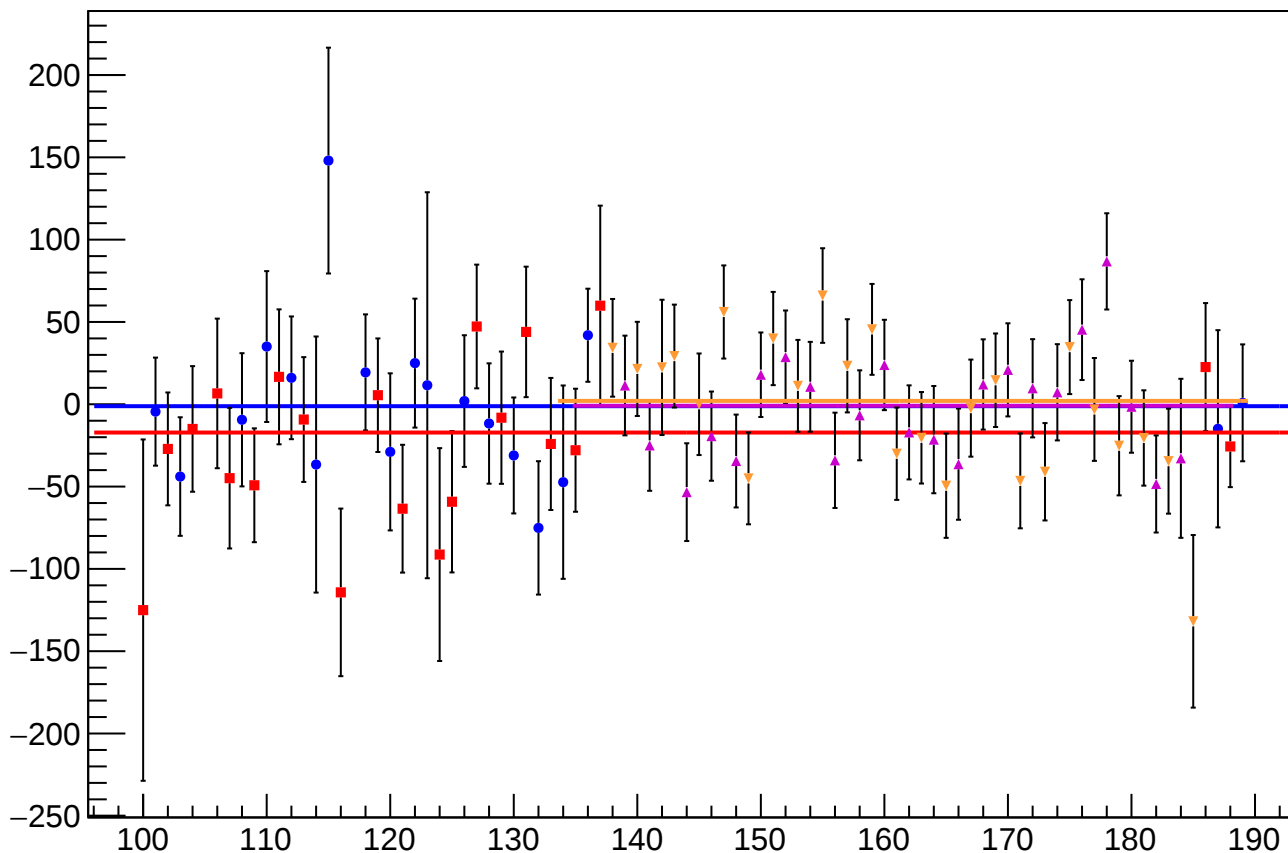
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 201.235 $\pm$ 0.029 χ^2 /NDF: 2807202.5/43

All: 191.218 $\pm$ 0.020 χ^2 /NDF: 6442074.5/87

- sign 182.782 $\pm$ 0.027 χ^2 /NDF: 3419032.2/43

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.169 ± 9.426 χ^2/NDF : 15.5/18

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -17.171 ± 8.660 χ^2/NDF : 19.5/20

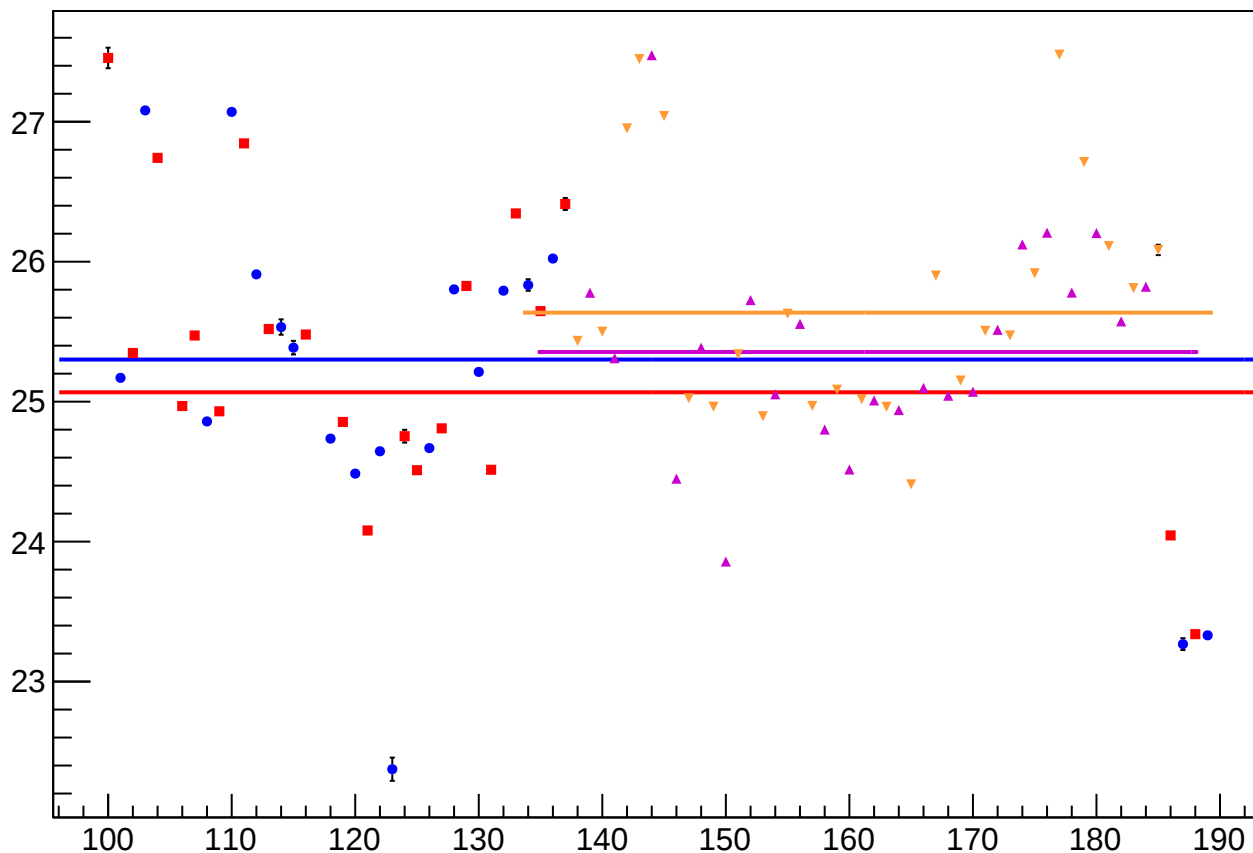
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 1.131 ± 5.044 χ^2/NDF : 55.0/43

All: -2.619 ± 3.540 χ^2/NDF : 105.0/87

- sign -6.260 ± 4.970 χ^2/NDF : 48.9/43

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.301 $\pm$ 0.007 χ^2/NDF : 22711.3/18

Left Out: 25.636 $\pm$ 0.004 χ^2/NDF : 35130.7/24

Right Out: 25.067 $\pm$ 0.006 χ^2/NDF : 27054.9/20

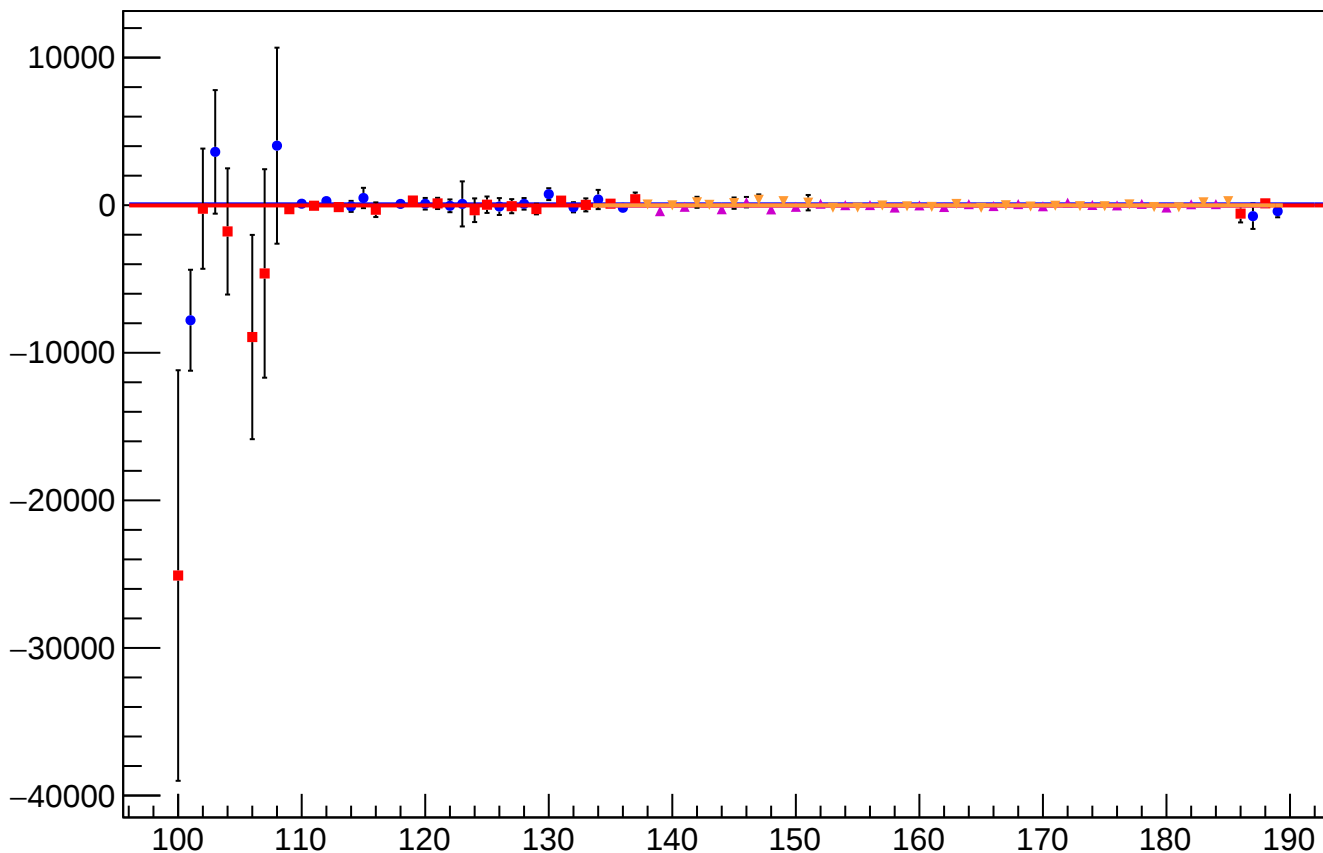
Left In: 25.355 $\pm$ 0.004 χ^2/NDF : 29766.2/22

+ sign 25.540 $\pm$ 0.004 χ^2/NDF : 59646.8/43

All: 25.398 $\pm$ 0.003 χ^2/NDF : 121081.3/87

- sign 25.260 $\pm$ 0.004 χ^2/NDF : 58302.6/43

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 57.833+/-86.302 χ^2/NDF : 14.8/18

Left Out: -12.820+/-48.216 χ^2/NDF : 7.9/24

Right Out: -17.105+/-76.951 χ^2/NDF : 13.1/20

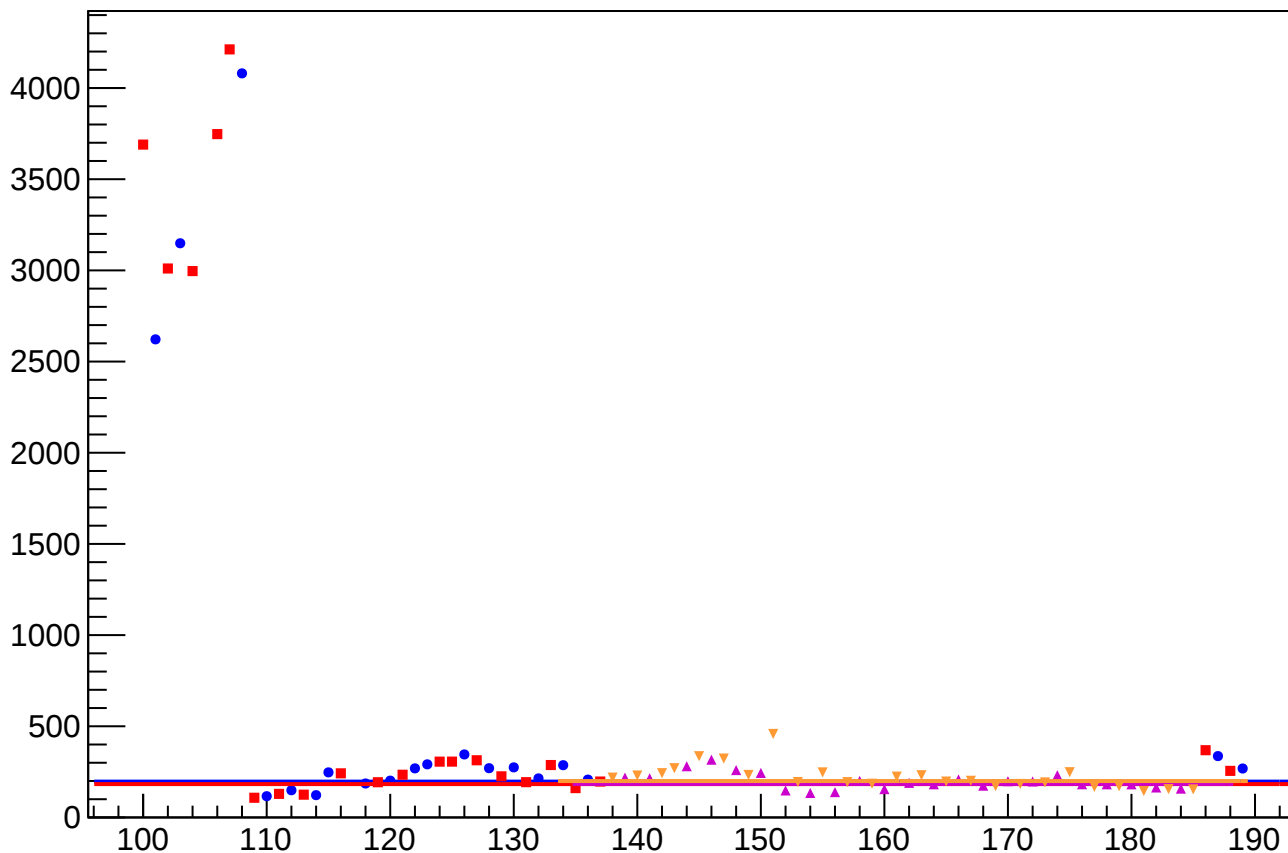
Left In: -26.836+/-45.876 χ^2/NDF : 7.5/22

+ sign 3.987+/-42.092 χ^2/NDF : 23.2/43

All: -11.080+/-28.767 χ^2/NDF : 44.1/87

- sign -24.285+/-39.405 χ^2/NDF : 20.6/43

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.531 $\pm$ 0.061 χ^2 /NDF: 3695241.8/18

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 182.944 $\pm$ 0.054 χ^2 /NDF: 4566787.2/20

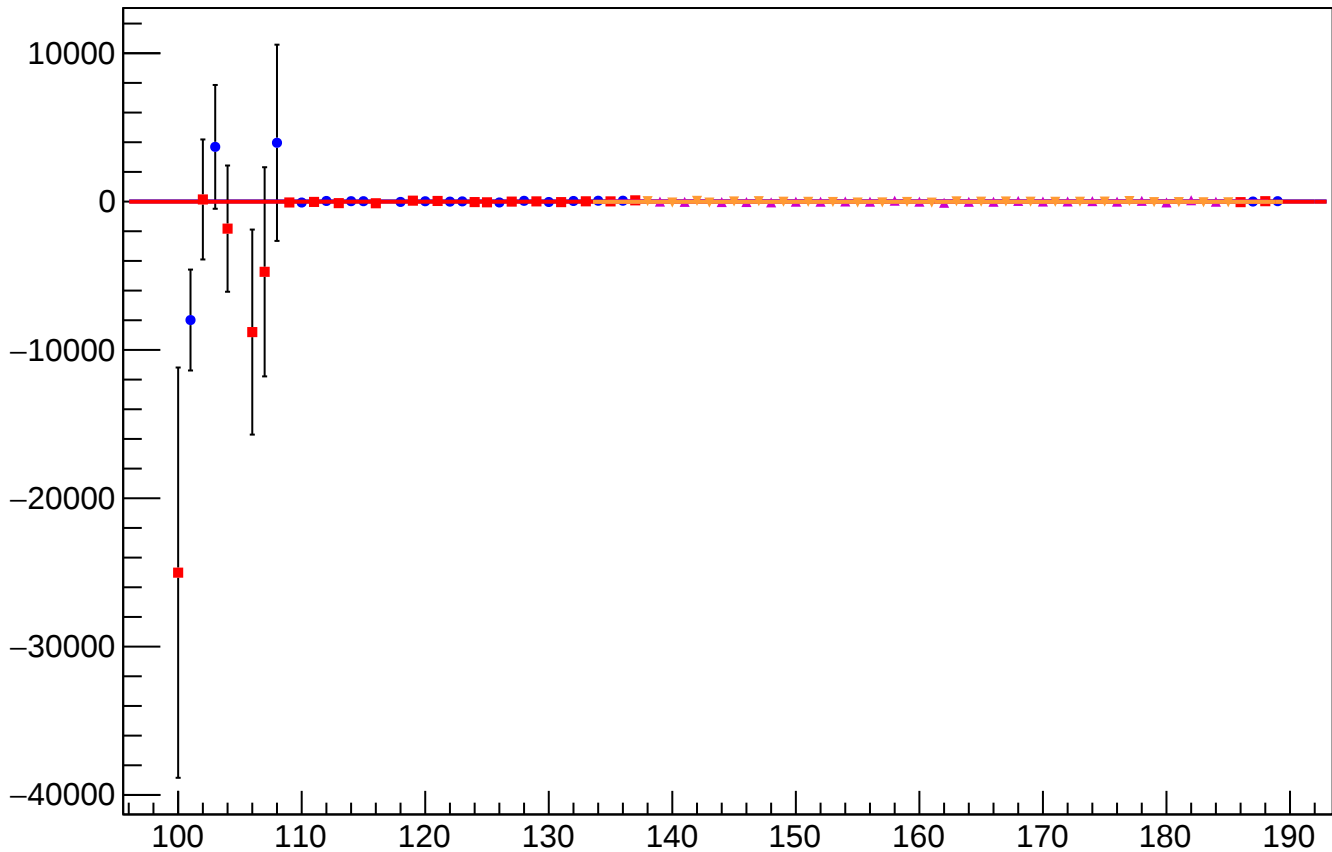
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 198.821 $\pm$ 0.030 χ^2 /NDF: 5577637.9/43

All: 190.787 $\pm$ 0.020 χ^2 /NDF: 11704879.2/87

- sign 183.746 $\pm$ 0.028 χ^2 /NDF: 5990536.1/43

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 11.955 $\pm$ 11.619 χ^2 /NDF: 19.1/18

Left Out: -17.580 $\pm$ 6.694 χ^2 /NDF: 22.3/24

Right Out: -7.777 $\pm$ 11.115 χ^2 /NDF: 26.0/20

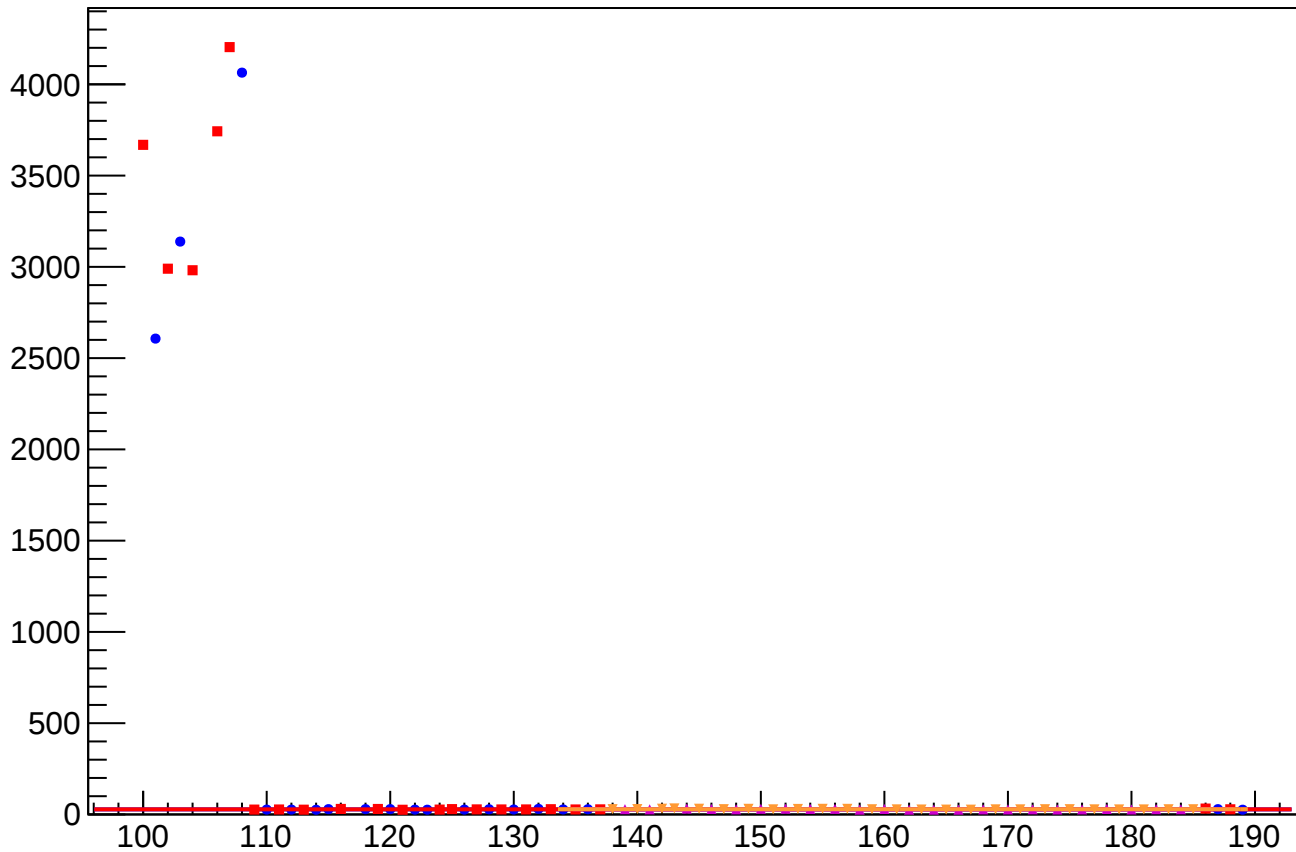
Left In: -1.038 $\pm$ 6.880 χ^2 /NDF: 32.4/22

+ sign -10.221 $\pm$ 5.800 χ^2 /NDF: 46.3/43

All: -6.594 $\pm$ 4.119 χ^2 /NDF: 105.7/87

- sign -2.905 $\pm$ 5.850 χ^2 /NDF: 58.6/43

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.733 $\pm$ 0.008 χ^2 /NDF: 3032863.2/18

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.990 $\pm$ 0.008 χ^2 /NDF: 3491221.4/20

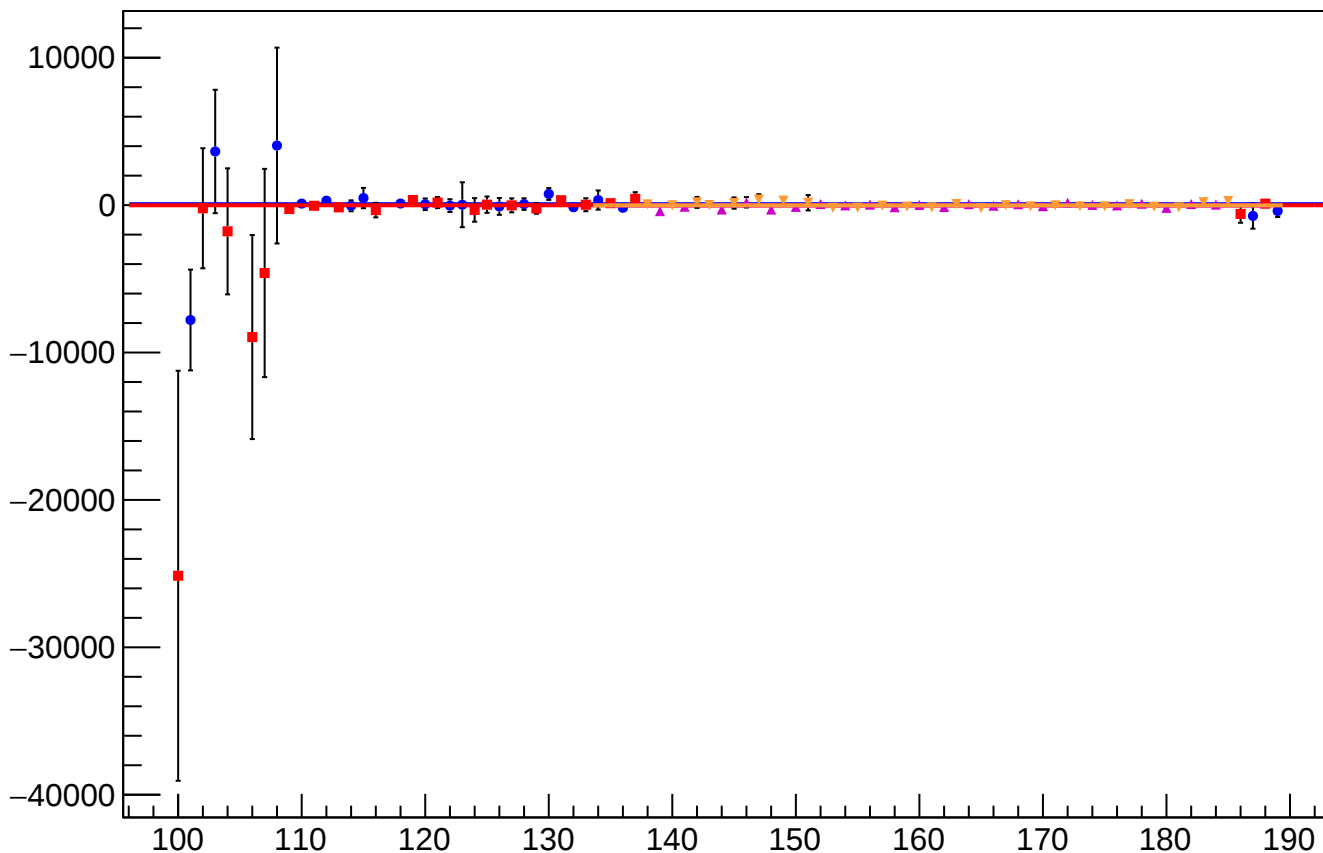
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.452 $\pm$ 0.004 χ^2 /NDF: 3153542.9/43

All: 28.468 $\pm$ 0.003 χ^2 /NDF: 6774994.0/87

- sign 28.484 $\pm$ 0.004 χ^2 /NDF: 3621421.8/43

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 63.840+/-86.038 χ^2/NDF : 15.0/18

Left Out: -15.483+/-48.109 χ^2/NDF : 8.7/24

Right Out: -10.697+/-76.729 χ^2/NDF : 13.9/20

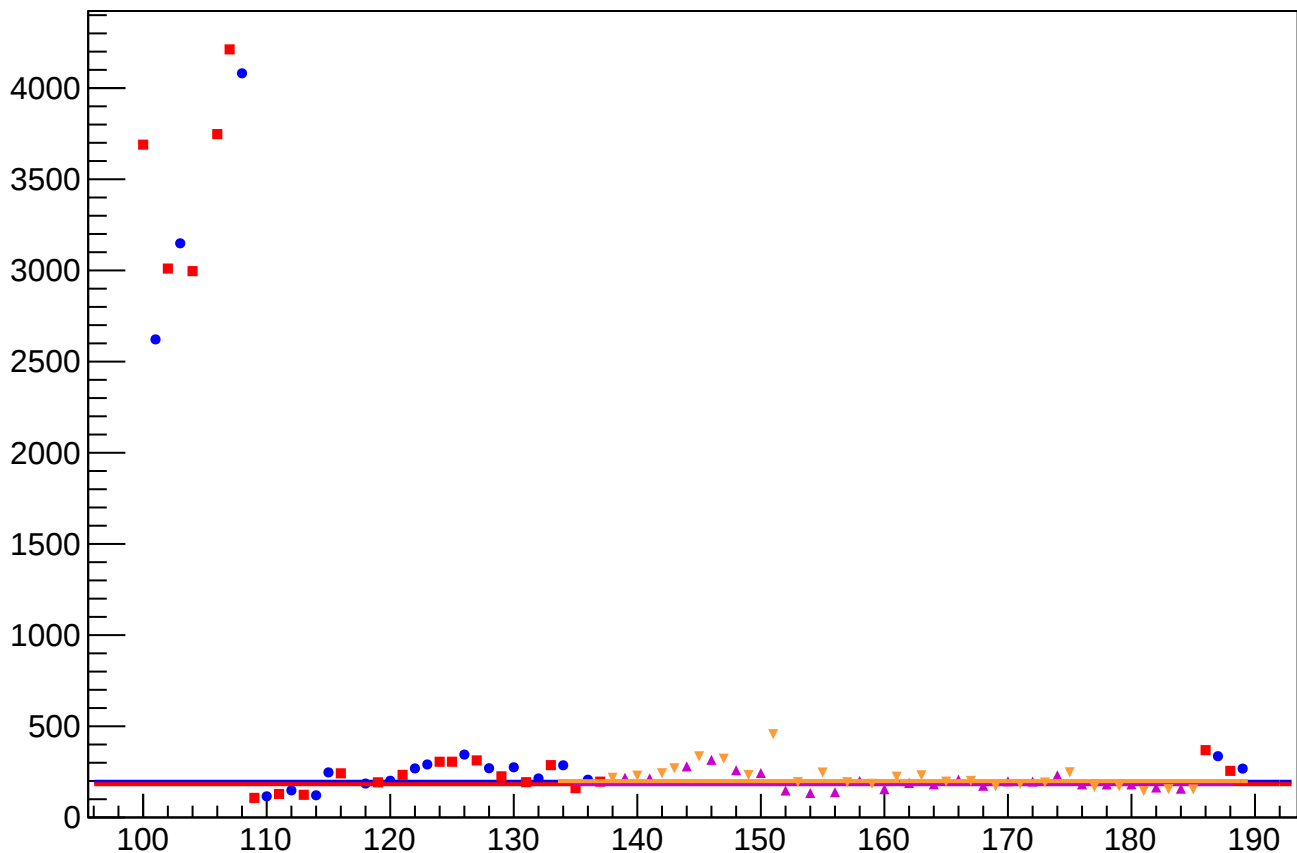
Left In: -27.009+/-45.785 χ^2/NDF : 7.8/22

+ sign 3.411+/-41.990 χ^2/NDF : 24.3/43

All: -10.516+/-28.700 χ^2/NDF : 46.3/87

- sign -22.726+/-39.317 χ^2/NDF : 21.8/43

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.815+/-0.061 χ^2/NDF : 3708052.3/18

Left Out: 199.094+/-0.034 χ^2/NDF :1880343.4/24

Right Out: 182.289+/-0.054 χ^2/NDF : 4582923.0/20

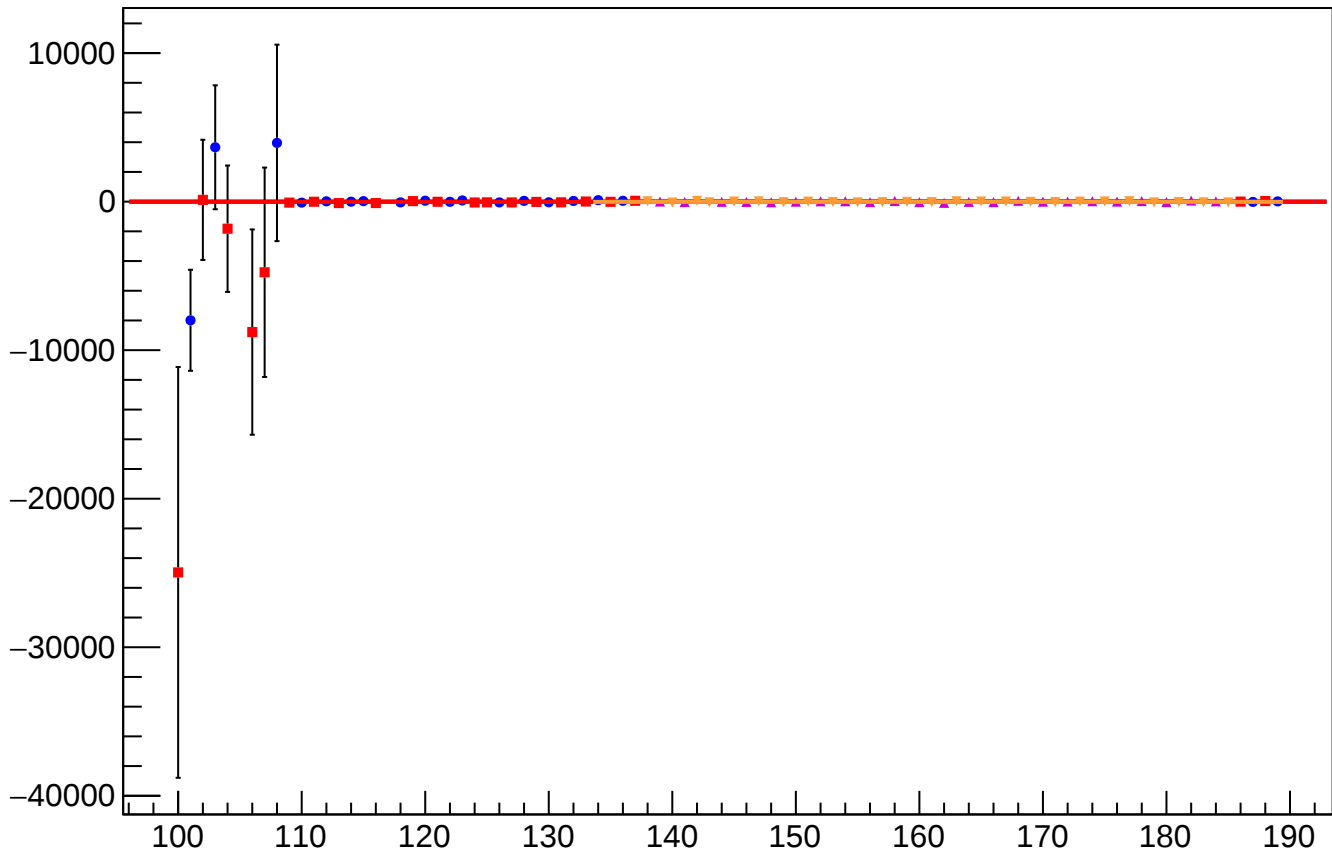
Left In: 183.667+/-0.032 χ^2/NDF :1422895.7/22

+ sign 198.313+/-0.030 χ^2/NDF : 5590608.2/43

All: 190.316+/-0.020 χ^2/NDF : 11733029.8/87

- sign 183.305+/-0.028 χ^2/NDF : 6006294.3/43

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.055 ± 11.683 χ^2/NDF : 23.0/18

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -17.450 ± 11.167 χ^2/NDF : 21.0/20

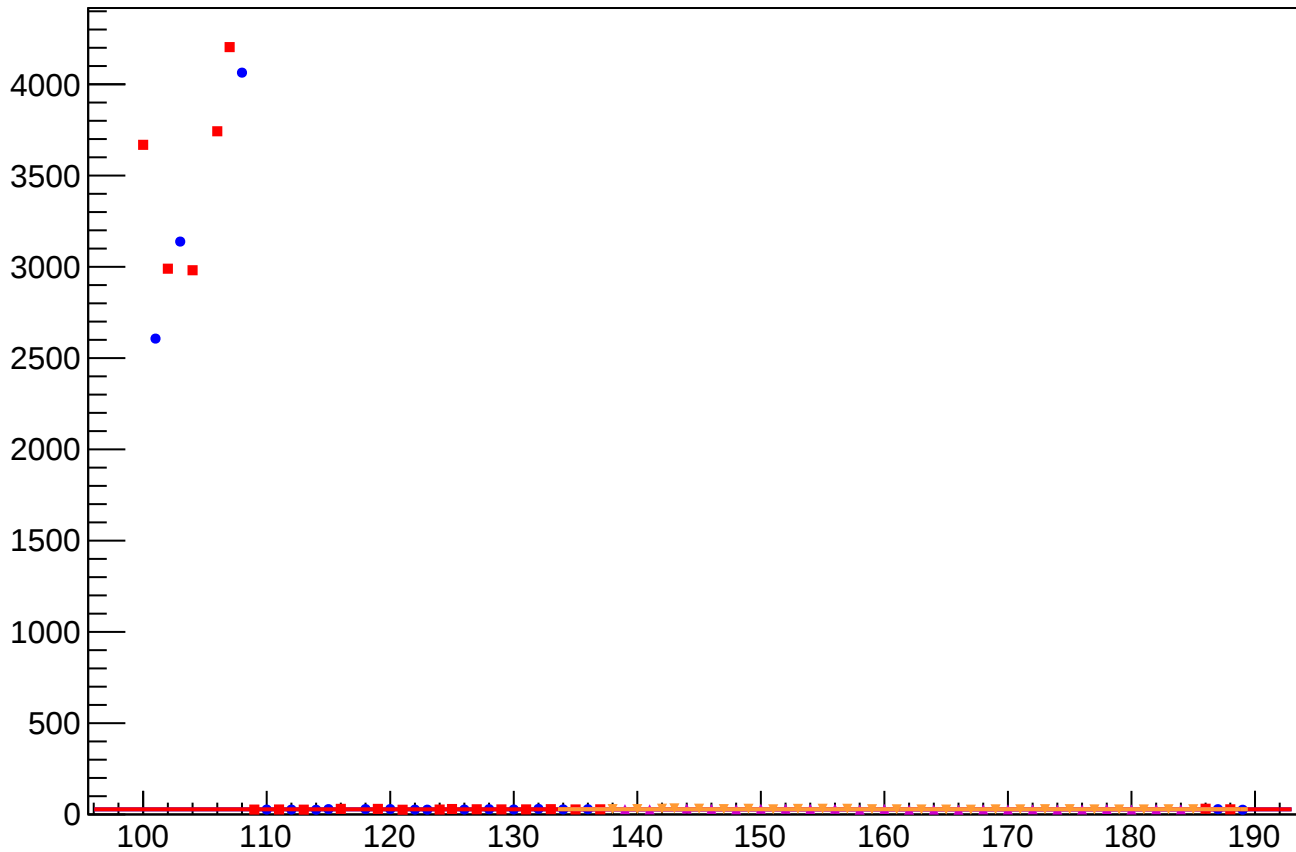
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -9.269 ± 5.827 χ^2/NDF : 43.4/43

All: -6.816 ± 4.137 χ^2/NDF : 93.1/87

- sign -4.323 ± 5.876 χ^2/NDF : 49.3/43

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.879+/-0.008 χ^2/NDF : 3034744.9/18

Left Out: 28.813+/-0.005 χ^2/NDF : 121973.8/24

Right Out: 28.123+/-0.008 χ^2/NDF : 3488272.6/20

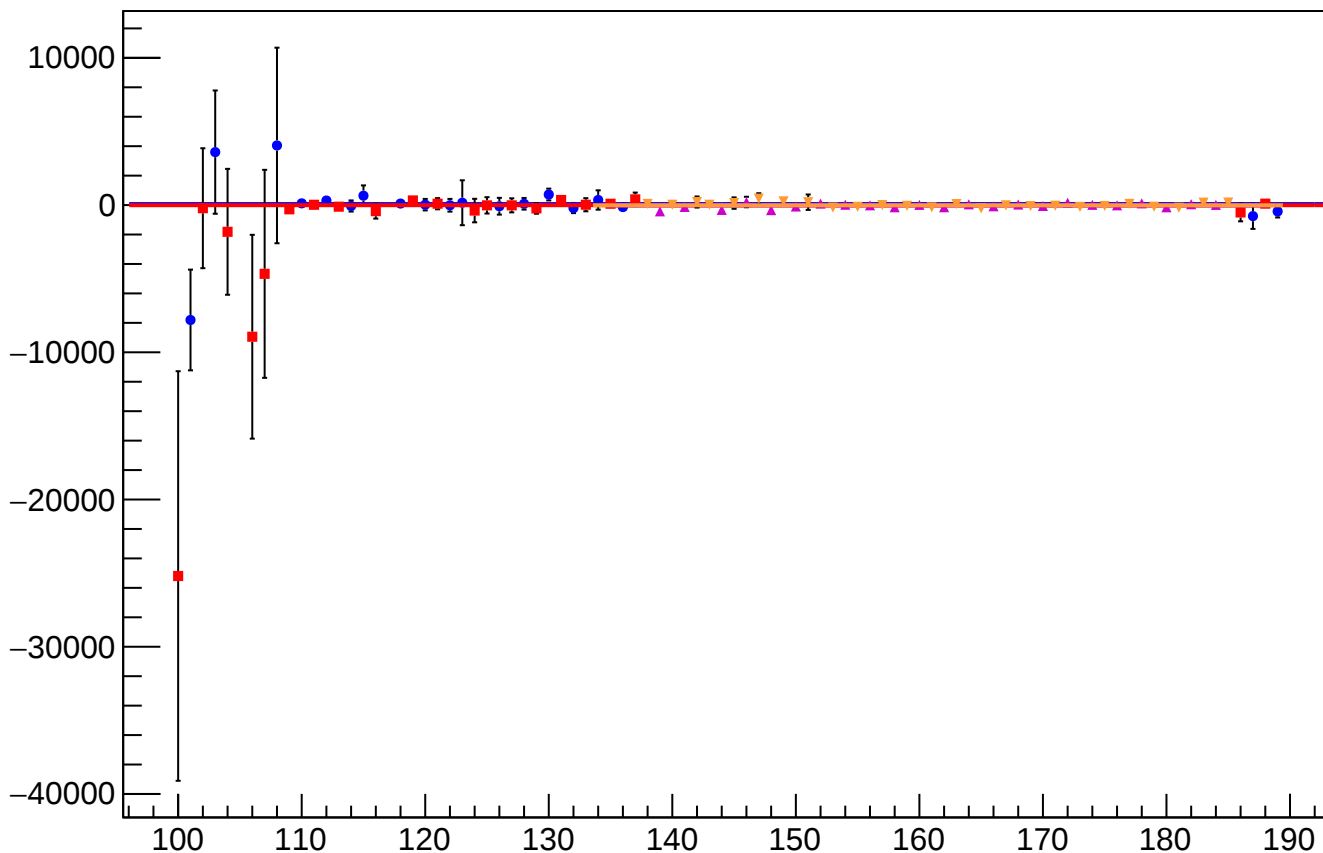
Left In: 28.792+/-0.005 χ^2/NDF : 129393.1/22

+ sign 28.580+/-0.004 χ^2/NDF : 3166316.4/43

All: 28.594+/-0.003 χ^2/NDF : 6789200.4/87

- sign 28.607+/-0.004 χ^2/NDF : 3622863.0/43

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 67.547 $\pm$ 87.030 χ^2 /NDF: 15.1/18

Left Out: -15.548 $\pm$ 48.688 χ^2 /NDF: 8.0/24

Right Out: -8.206 $\pm$ 77.693 χ^2 /NDF: 13.1/20

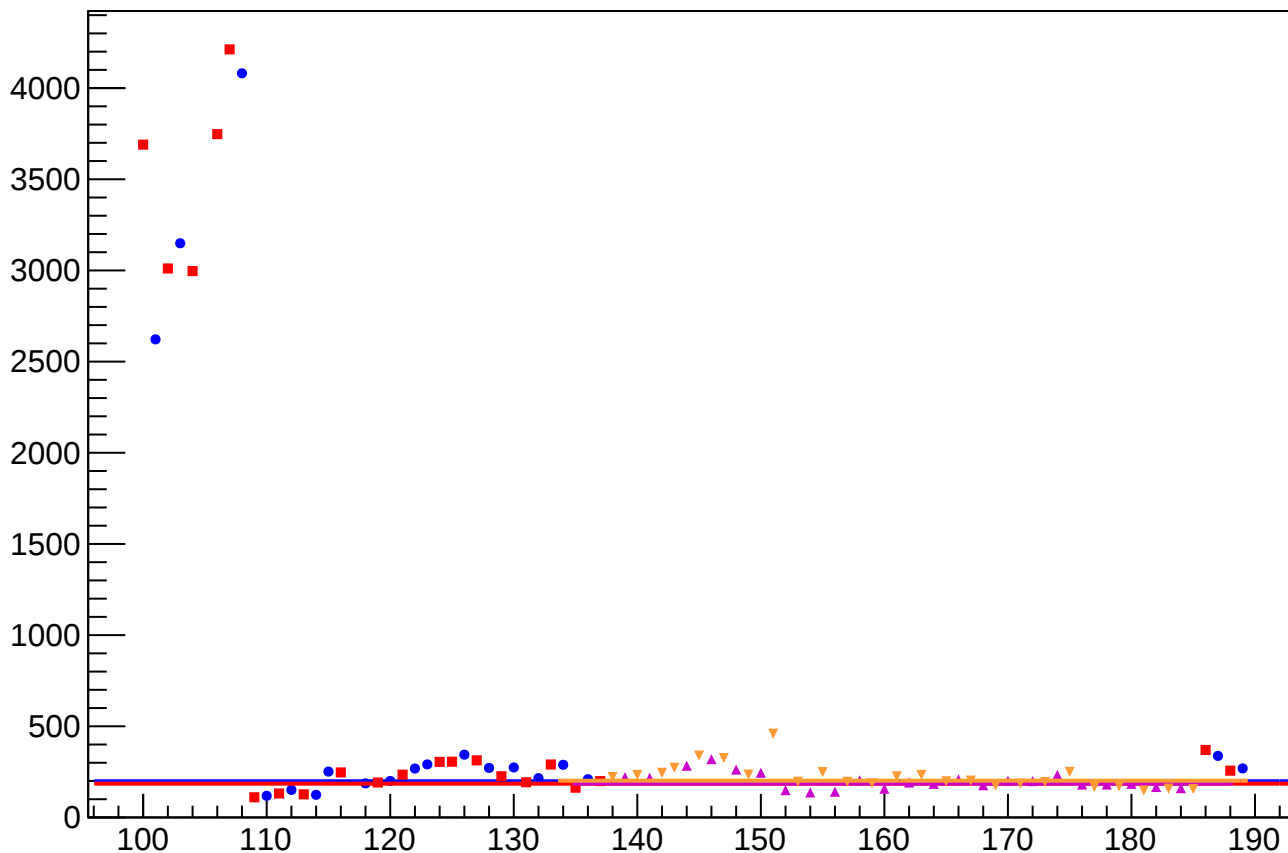
Left In: -31.170 $\pm$ 46.359 χ^2 /NDF: 8.2/22

+ sign 4.259 $\pm$ 42.491 χ^2 /NDF: 23.7/43

All: -11.397 $\pm$ 29.052 χ^2 /NDF: 45.4/87

- sign -25.140 $\pm$ 39.810 χ^2 /NDF: 21.4/43

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 198.551 $\pm$ 0.062 χ^2 /NDF: 3655428.7/18

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF:1857453.2/24

Right Out: 185.163 $\pm$ 0.055 χ^2 /NDF: 4516444.9/20

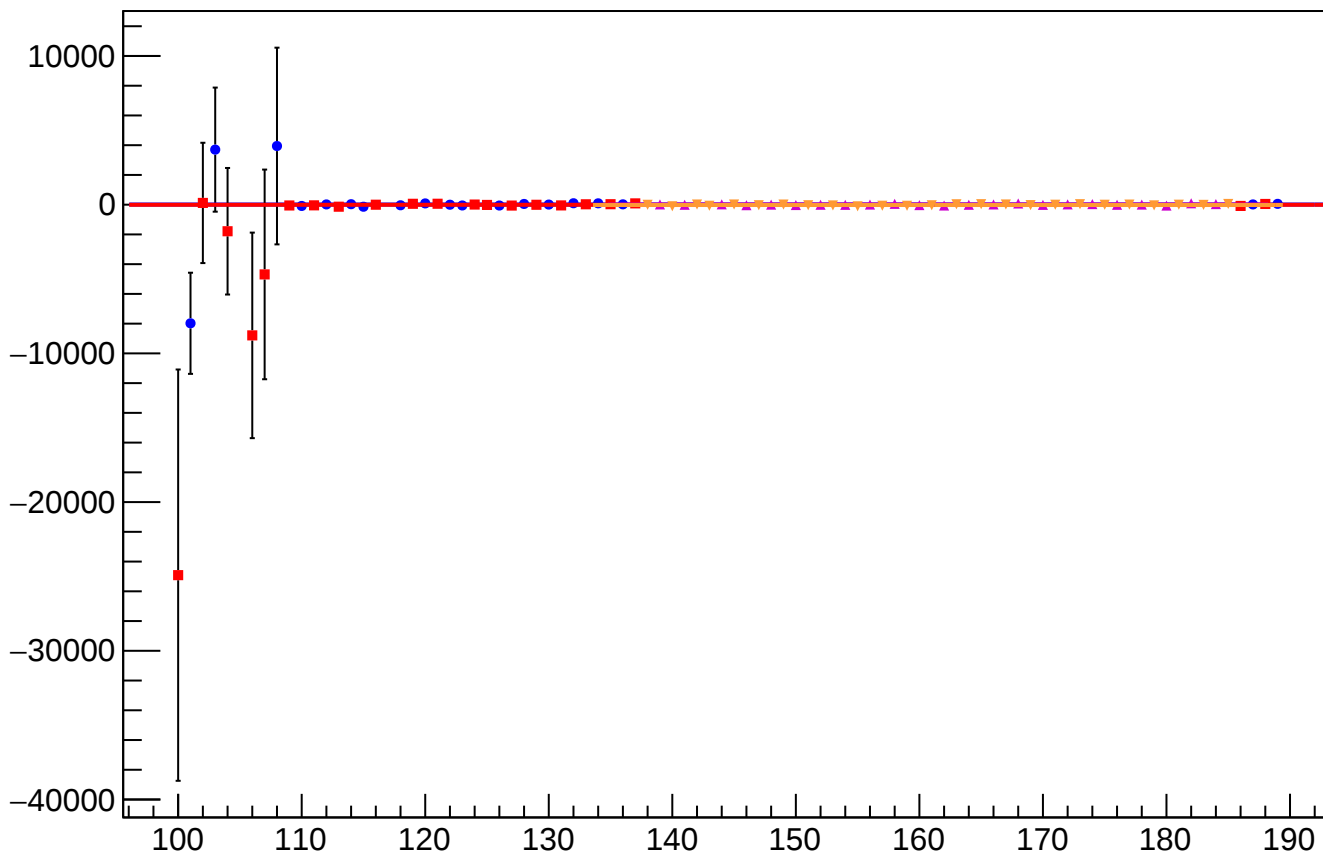
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 200.873 $\pm$ 0.030 χ^2 /NDF: 5514751.6/43

All: 192.878 $\pm$ 0.021 χ^2 /NDF: 11555723.6/87

- sign 185.859 $\pm$ 0.028 χ^2 /NDF: 5907989.9/43

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 11.308+/-14.248 χ^2/NDF : 21.1/18

Left Out: -23.360+/-8.064 χ^2/NDF : 25.8/24

Right Out: -6.880+/-13.533 χ^2/NDF : 25.5/20

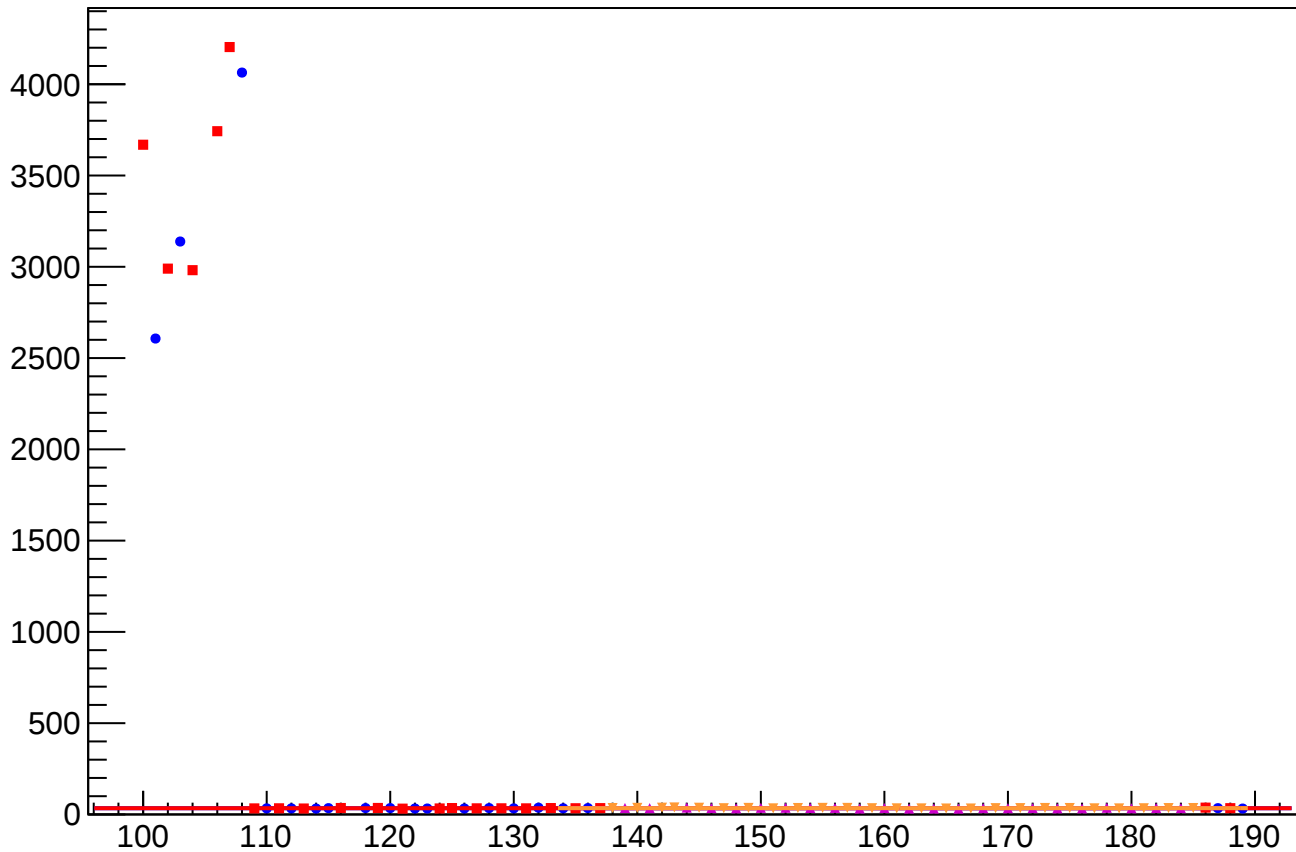
Left In: 6.001+/-8.309 χ^2/NDF : 21.1/22

+ sign -14.948+/-7.018 χ^2/NDF : 51.4/43

All: -6.314+/-4.985 χ^2/NDF : 101.7/87

- sign 2.474+/-7.081 χ^2/NDF : 47.3/43

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.044 $\pm$ 0.010 χ^2 /NDF: 3009304.8/18

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 34.164 $\pm$ 0.010 χ^2 /NDF: 3458088.5/20

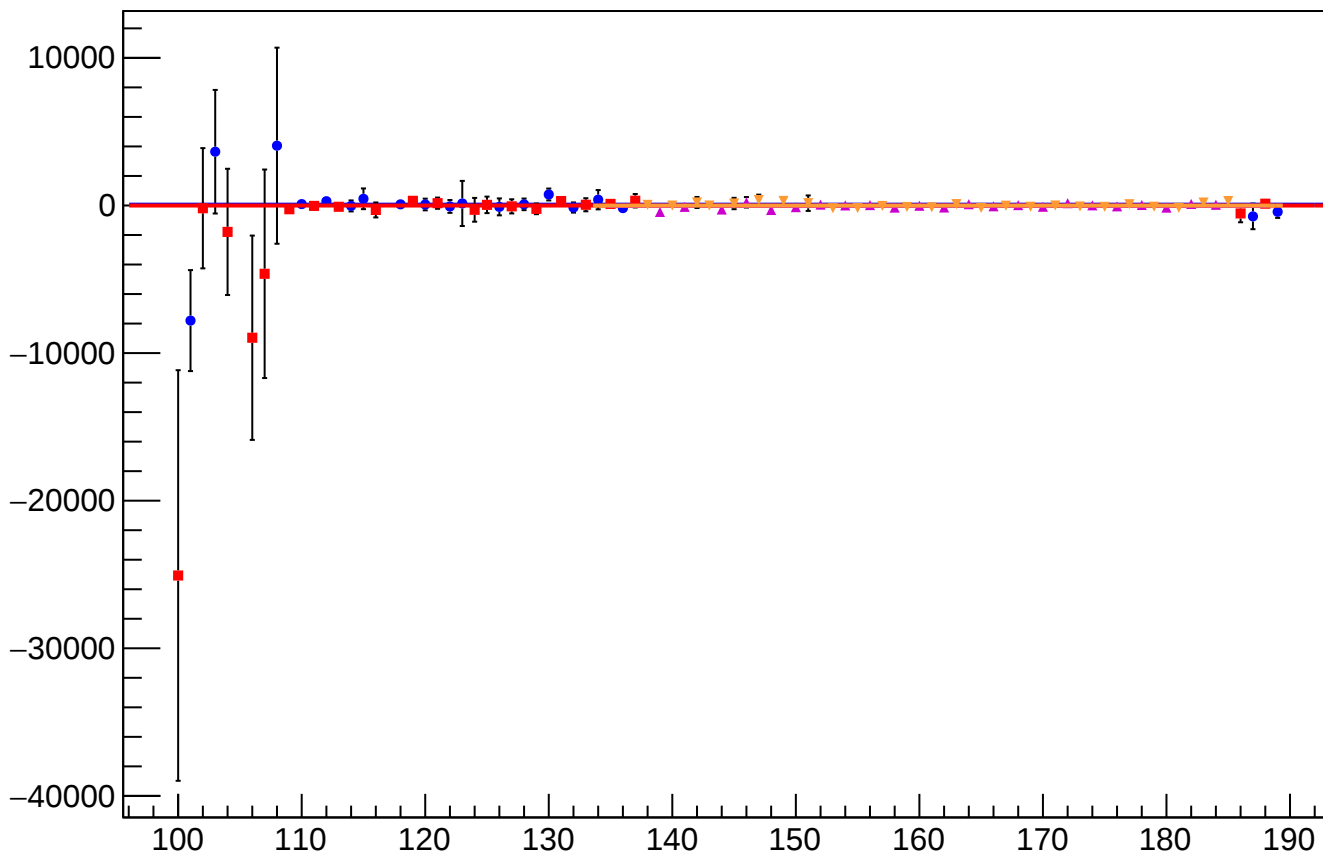
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.476 $\pm$ 0.005 χ^2 /NDF: 3069680.9/43

All: 34.509 $\pm$ 0.004 χ^2 /NDF: 6590330.3/87

- sign 34.542 $\pm$ 0.005 χ^2 /NDF: 3520560.8/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 55.911 $\pm$ 86.606 χ^2 /NDF: 14.9/18

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: -3.701 $\pm$ 77.221 χ^2 /NDF: 12.1/20

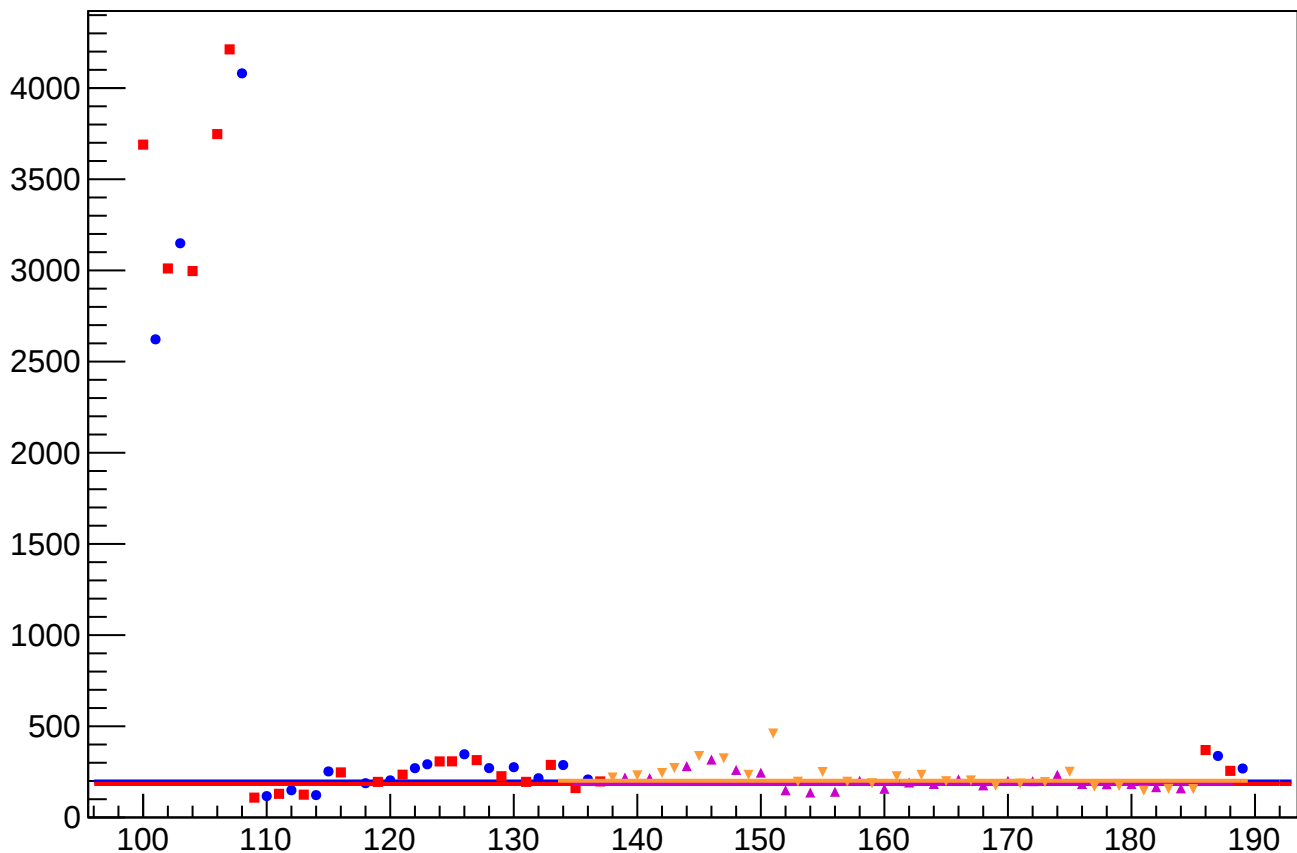
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign 6.616 $\pm$ 42.393 χ^2 /NDF: 23.9/43

All: -10.802 $\pm$ 28.980 χ^2 /NDF: 43.9/87

- sign -26.083 $\pm$ 39.707 χ^2 /NDF: 19.7/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.234 $\pm$ 0.061 χ^2 /NDF: 3695884.8/18

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 183.614 $\pm$ 0.055 χ^2 /NDF: 4567817.5/20

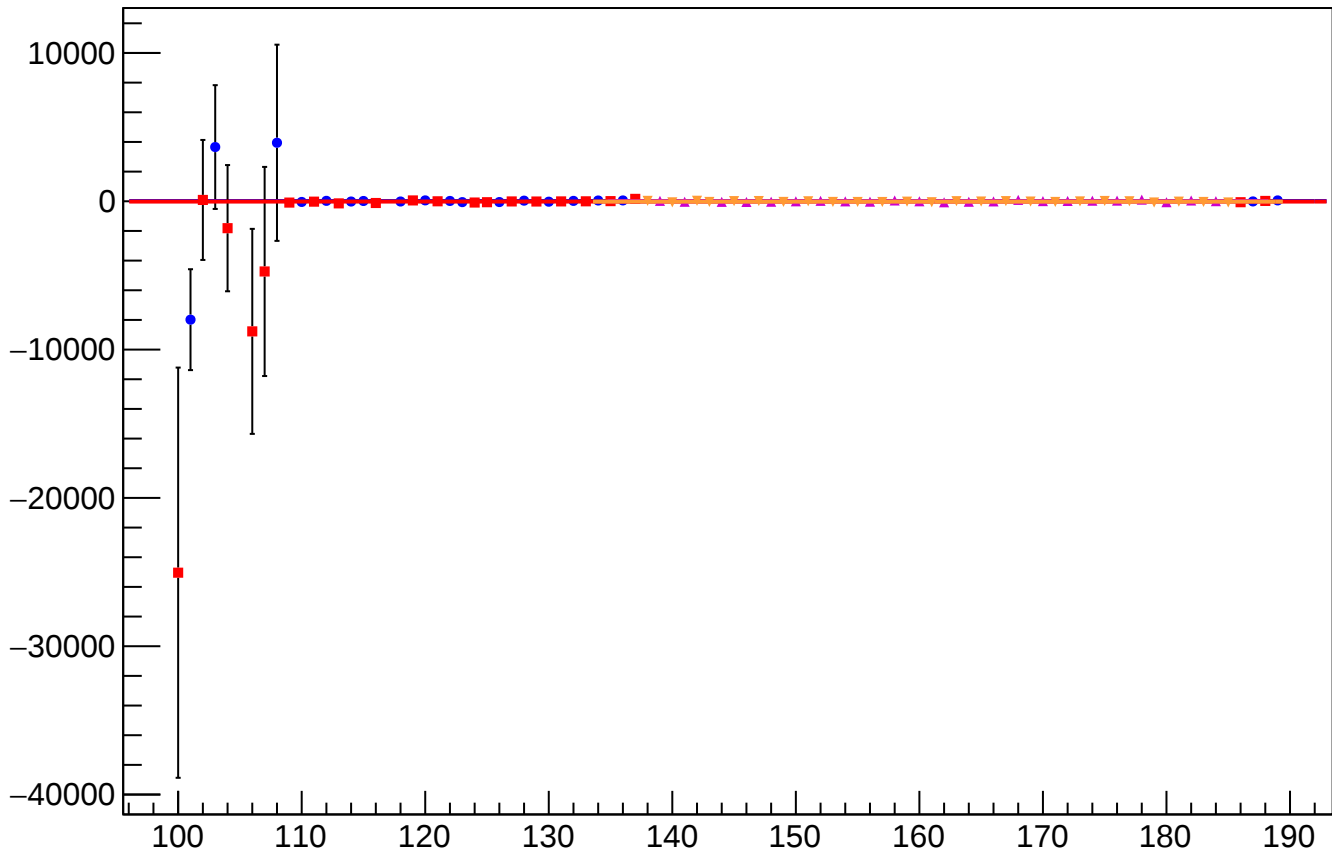
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 200.323 $\pm$ 0.030 χ^2 /NDF: 5550364.2/43

All: 192.300 $\pm$ 0.020 χ^2 /NDF: 11635666.3/87

- sign 185.262 $\pm$ 0.028 χ^2 /NDF: 5950826.7/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 15.765+/-12.964 χ^2/NDF : 15.6/18

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -17.692+/-12.338 χ^2/NDF : 30.2/20

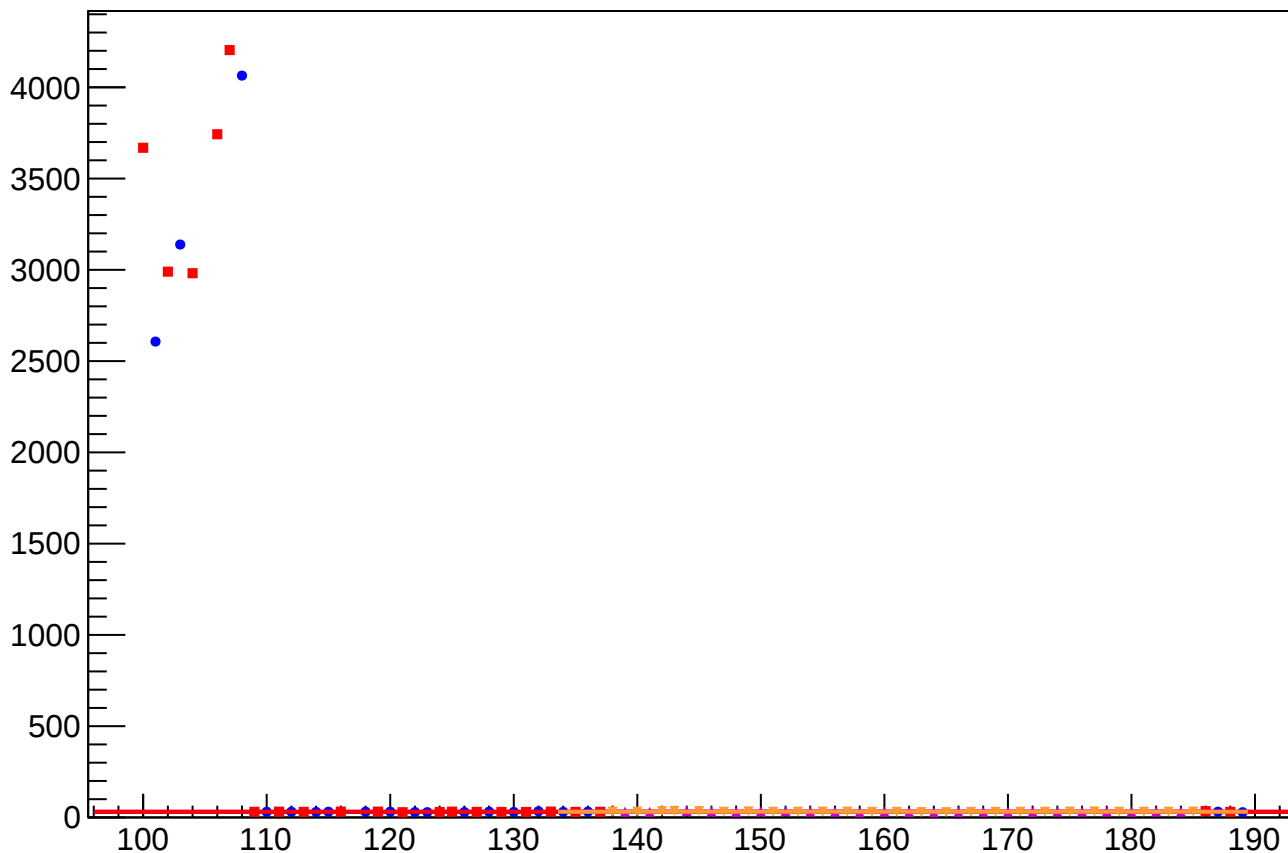
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -13.498+/-6.387 χ^2/NDF : 41.1/43

All: -7.050+/-4.535 χ^2/NDF : 114.4/87

- sign -0.496+/-6.440 χ^2/NDF : 71.2/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.971+/-0.009 χ^2/NDF : 3020113.3/18

Left Out: 31.482+/-0.005 χ^2/NDF : 82437.2/24

Right Out: 31.113+/-0.009 χ^2/NDF : 3467066.2/20

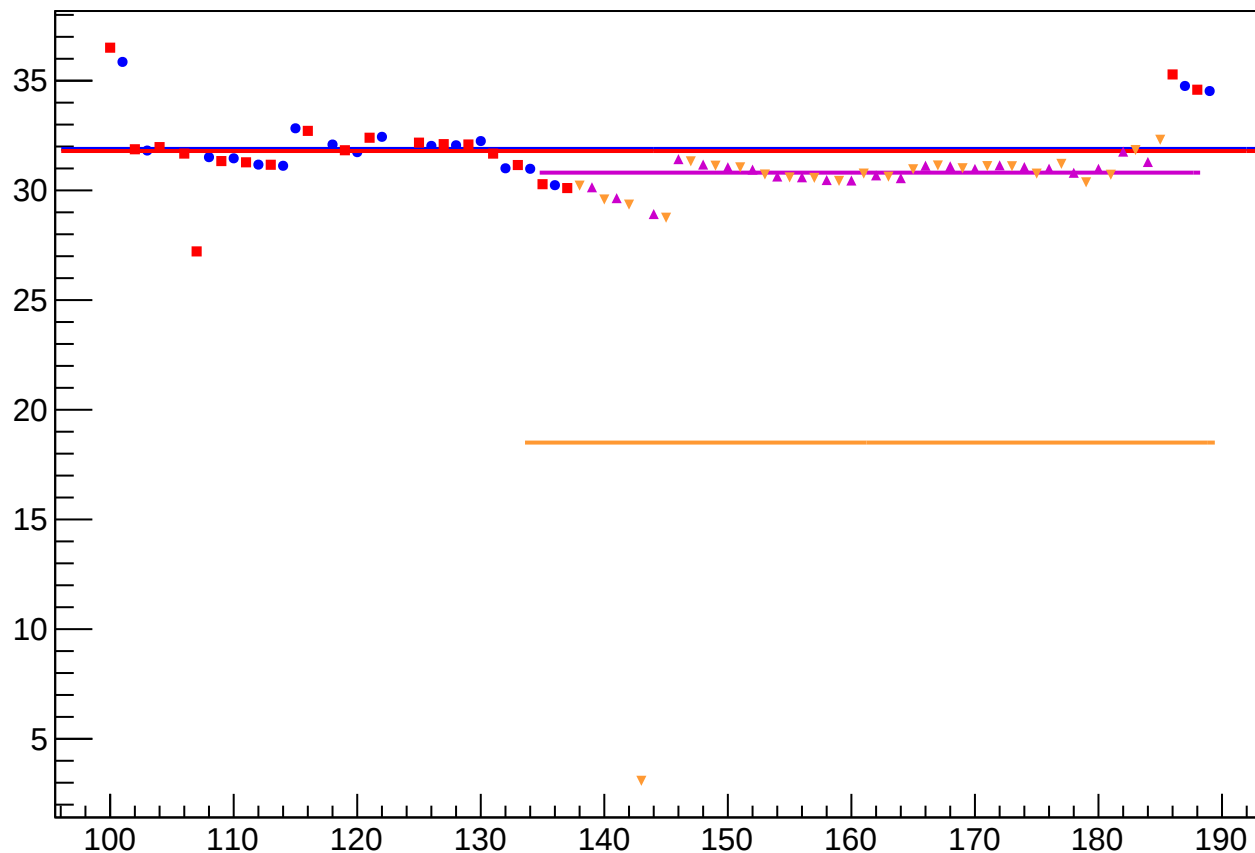
Left In: 31.484+/-0.005 χ^2/NDF : 87981.1/22

+ sign 31.358+/-0.005 χ^2/NDF : 3104898.0/43

All: 31.370+/-0.003 χ^2/NDF : 6661281.5/87

- sign 31.383+/-0.005 χ^2/NDF : 3556367.9/43

yield_usl_mean vs Slug



Right In: 31.891 $\pm$ 0.000 χ^2 /NDF: 1769182405.6/17

Left Out: 18.505 $\pm$ 0.000 χ^2 /NDF: 940607632746.3/24

Right Out: 31.795 $\pm$ 0.000 χ^2 /NDF: 1463241005.0/19

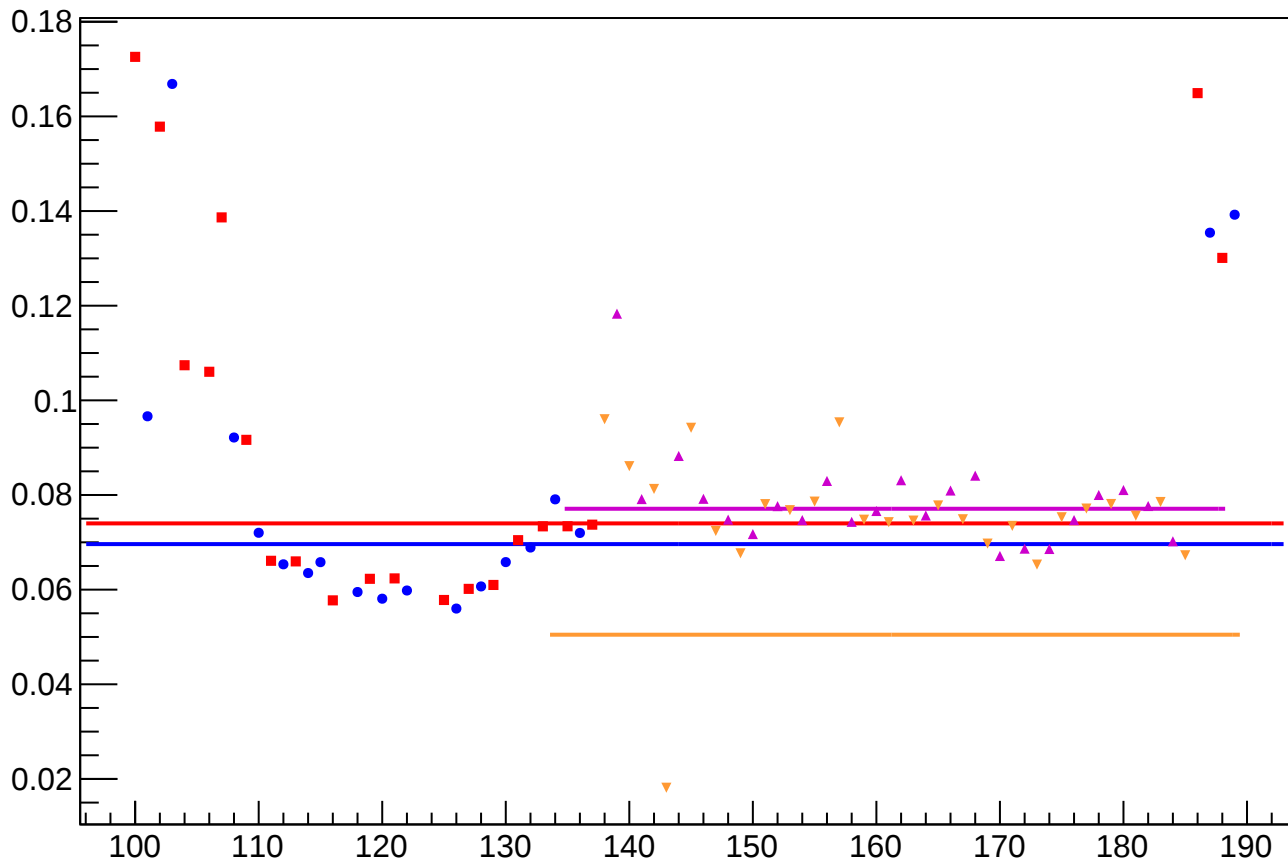
Left In: 30.809 $\pm$ 0.000 χ^2 /NDF: 821961762.3/22

+ sign 21.238 $\pm$ 0.000 χ^2 /NDF: 1123834948354.5/4

All: 25.054 $\pm$ 0.000 χ^2 /NDF: 1362034501297

- sign 31.124 $\pm$ 0.000 χ^2 /NDF: 3113280030.4/42

yield_usl_rms vs Slug



Right In: 0.070 $\pm$ 0.000 χ^2 /NDF: 910263.1/17

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF:8543648.6/24

Right Out: 0.074 $\pm$ 0.000 χ^2 /NDF: 1420153.2/19

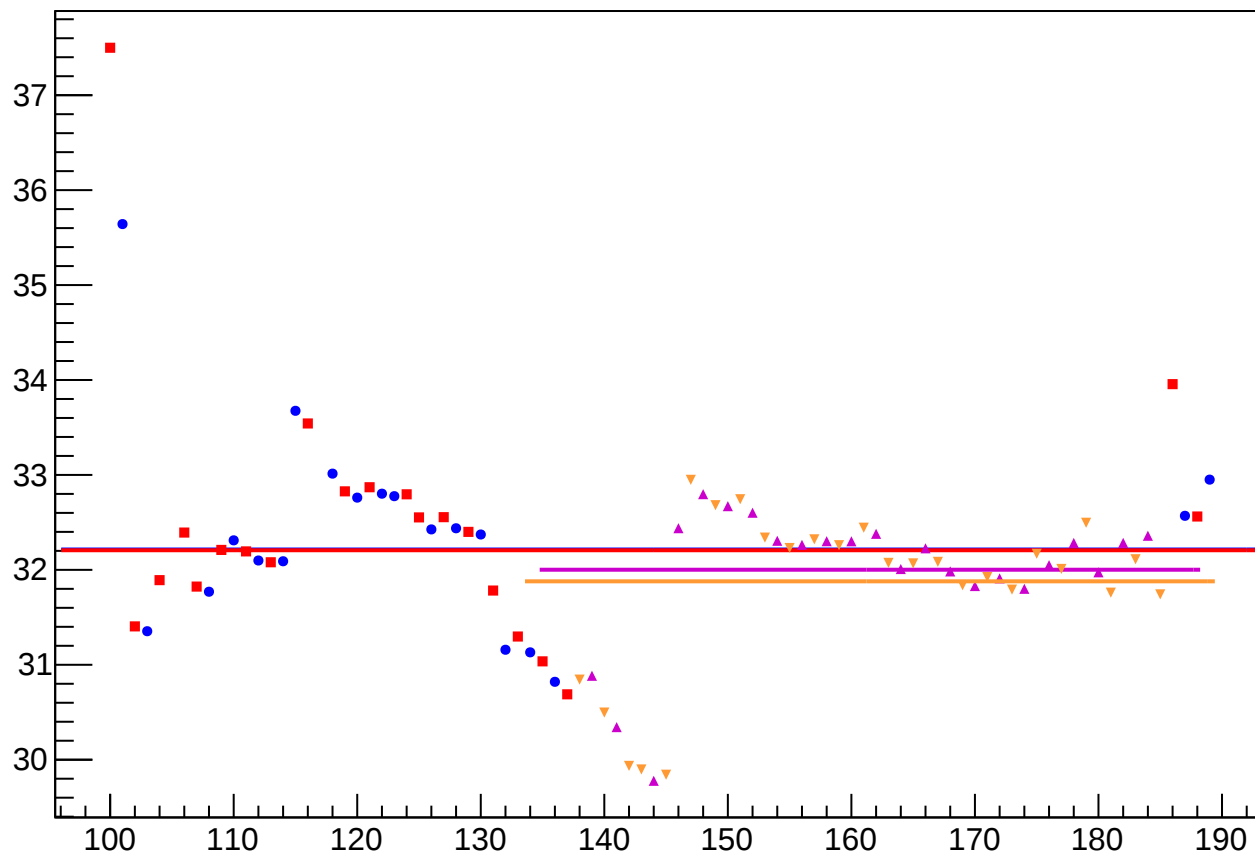
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 10196253.0/42

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 14227076.8/85

- sign 0.076 $\pm$ 0.000 χ^2 /NDF: 1762295.8/42

yield_usr_mean vs Slug



Right In: 32.214 ± 0.000 χ^2/NDF : 1012503660.7/18

Left Out: 31.879 ± 0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.207 ± 0.000 χ^2/NDF : 493550441.4/20

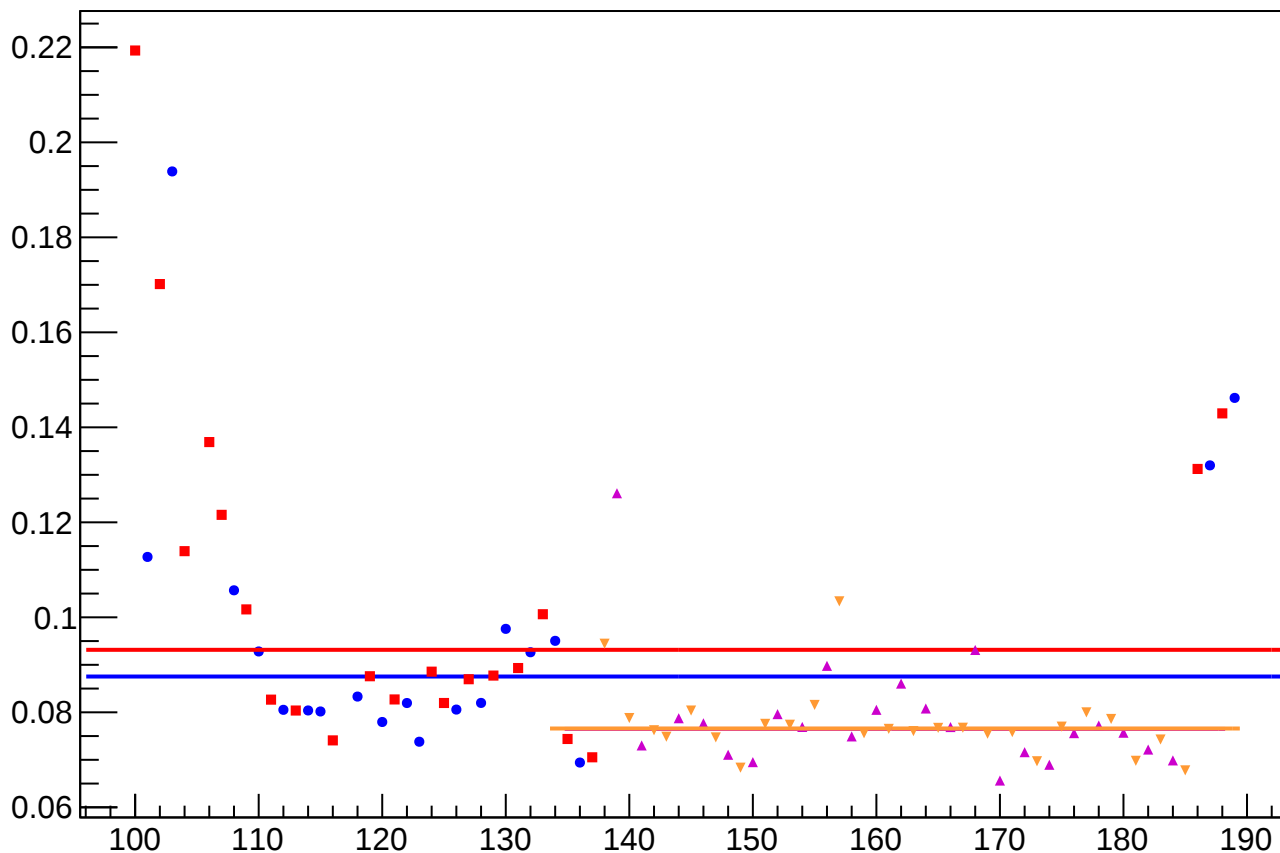
Left In: 32.001 ± 0.000 χ^2/NDF : 1411110671.9/22

+ sign 31.953 ± 0.000 χ^2/NDF : 3059695967.1/43

All: 32.000 ± 0.000 χ^2/NDF : 5007813305.4/8

- sign 32.049 ± 0.000 χ^2/NDF : 1931394729.6/43

yield_usr_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 707941.5/18

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 817581.8/20

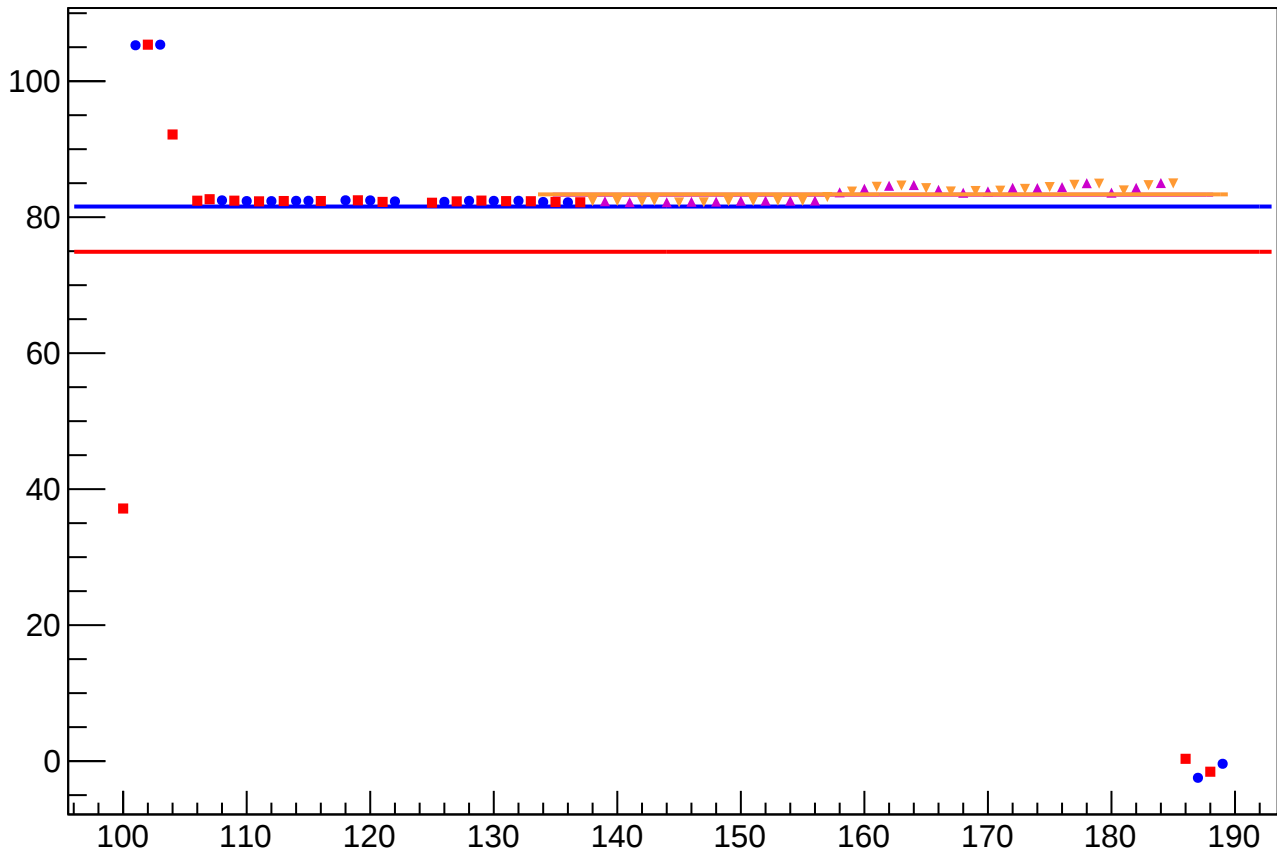
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 1068998.9/43

All: 0.080 $\pm$ 0.000 χ^2 /NDF: 2677890.7/87

- sign 0.080 $\pm$ 0.000 χ^2 /NDF: 1602272.4/43

yield_dsl_mean vs Slug



Right In: 81.565 $\pm$ 0.000 χ^2 /NDF: 1901450979326.3/17

Left Out: 83.355 $\pm$ 0.000 χ^2 /NDF: 9142393022.8/24

Right Out: 74.911 $\pm$ 0.000 χ^2 /NDF: 3519887576804.1/19

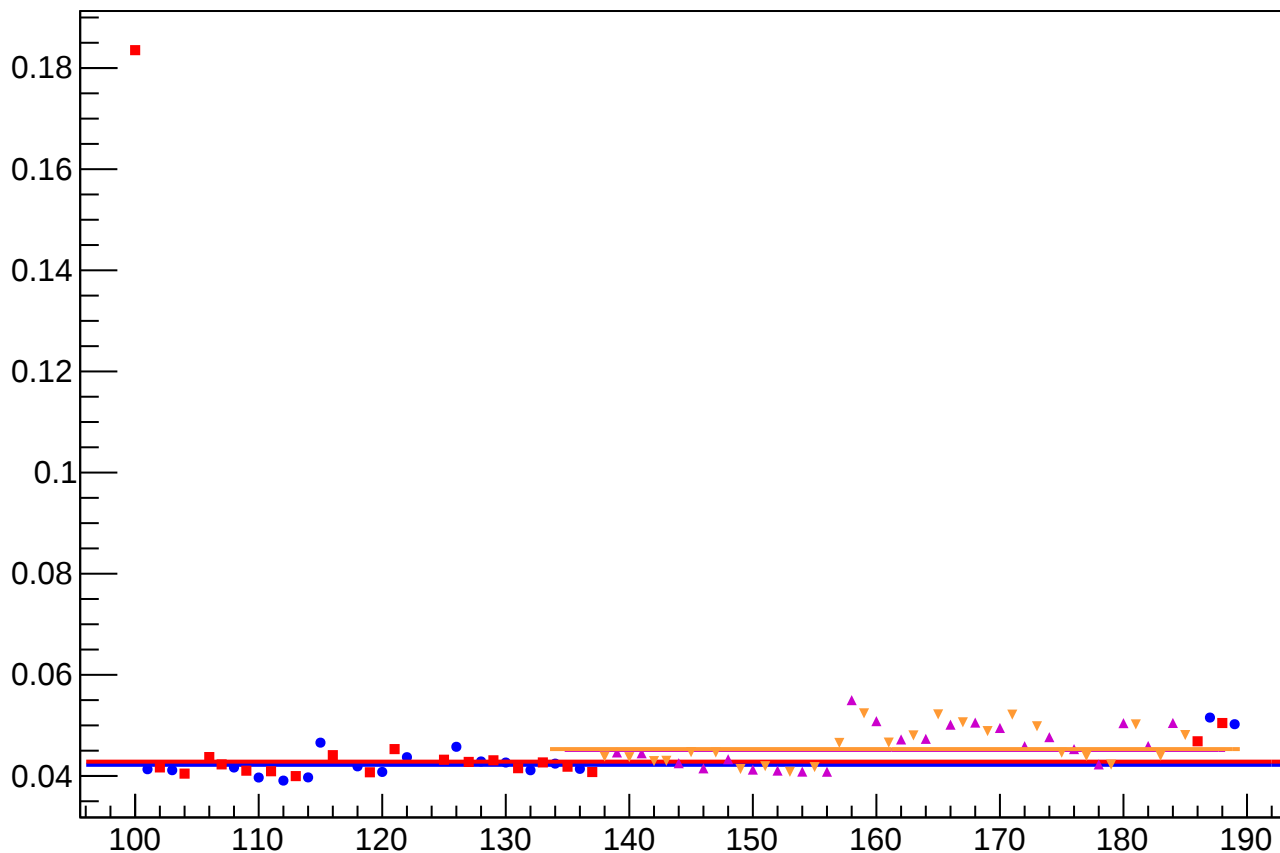
Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22

+ sign 82.793 $\pm$ 0.000 χ^2 /NDF: 1919340307344.1/4

All: 81.595 $\pm$ 0.000 χ^2 /NDF: 5687147991912

- sign 80.401 $\pm$ 0.000 χ^2 /NDF: 3731460008570.2/4

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 52680.5/17

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF: 211358.2/24

Right Out: 0.043 $\pm$ 0.000 χ^2 /NDF: 148122.1/19

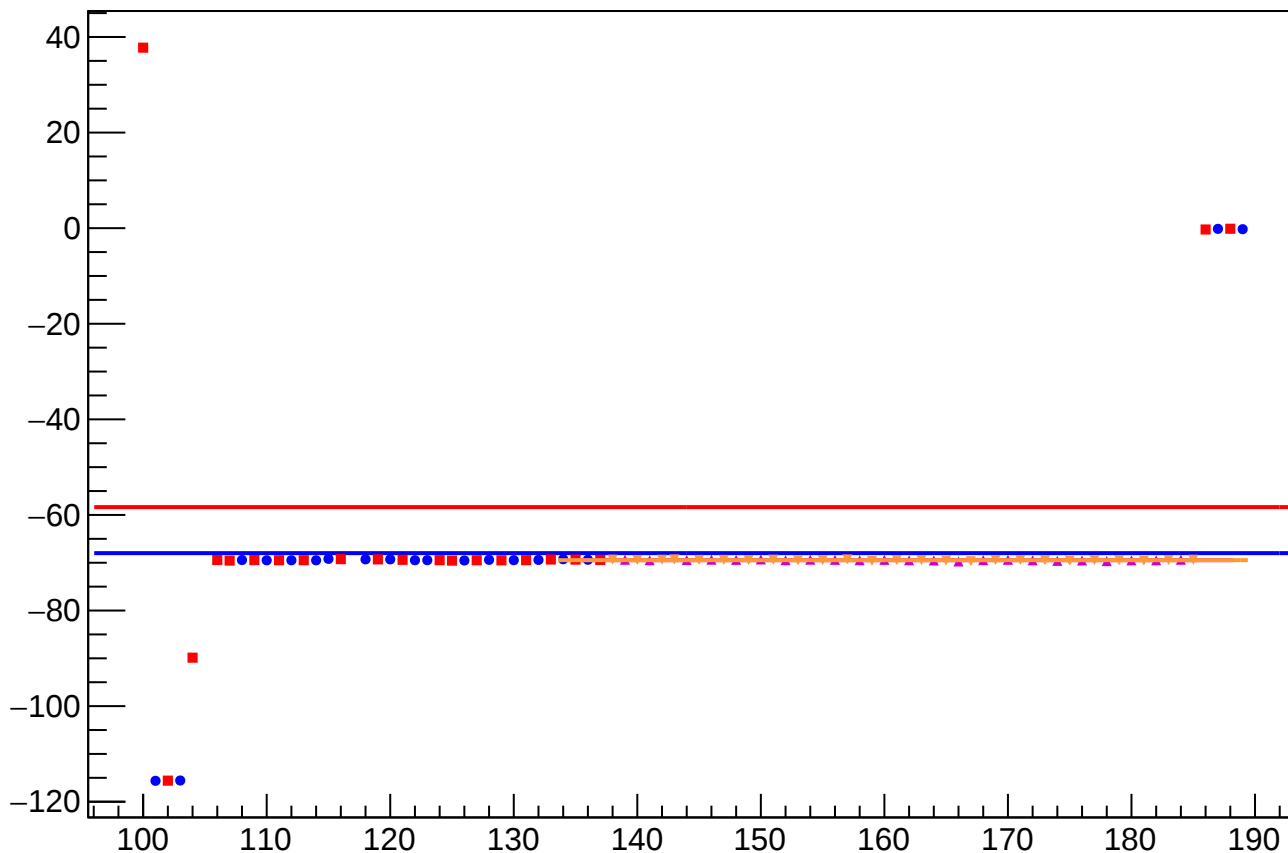
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF: 242885.4/22

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 316841.1/42

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 738576.4/85

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 421735.0/42

yield_dsr_mean vs Slug



Right In: -67.992 ± 0.000 χ^2/NDF : 1901975430878.5/18

Left Out: -69.461 ± 0.000 χ^2/NDF : 49572401.9/24

Right Out: -58.360 ± 0.000 χ^2/NDF : 2829252714468.4/20

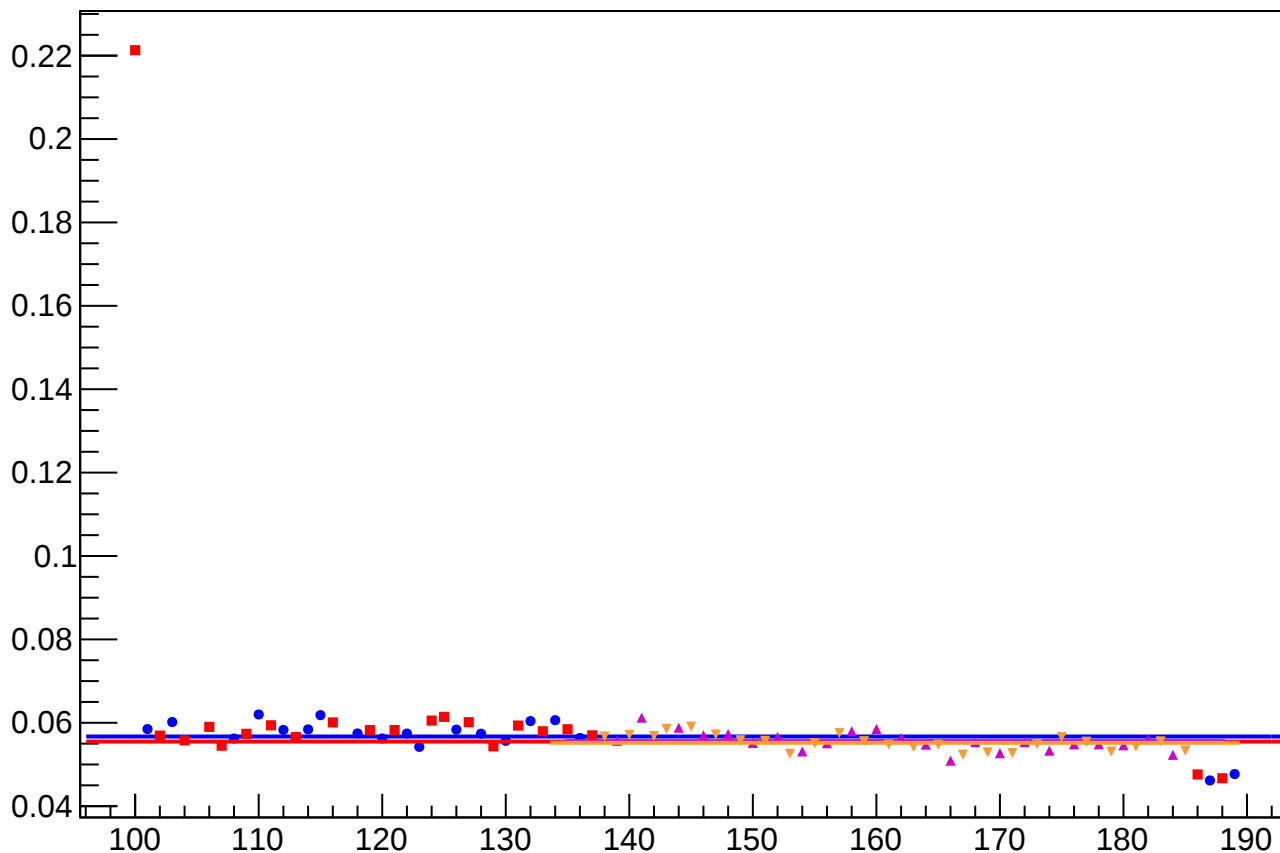
Left In: -69.458 ± 0.000 χ^2/NDF : 52798704.3/22

+ sign -69.063 ± 0.000 χ^2/NDF : 1905434455014.1/18

All: -67.459 ± 0.000 χ^2/NDF : 499299959168

- sign -65.866 ± 0.000 χ^2/NDF : 3046546939353.8/18

yield_dsr_rms vs Slug



Right In: 0.057+/-0.000 χ^2/NDF : 64184.9/18

Left Out: 0.055+/-0.000 χ^2/NDF :38761.8/24

Right Out: 0.055+/-0.000 χ^2/NDF : 193703.1/20

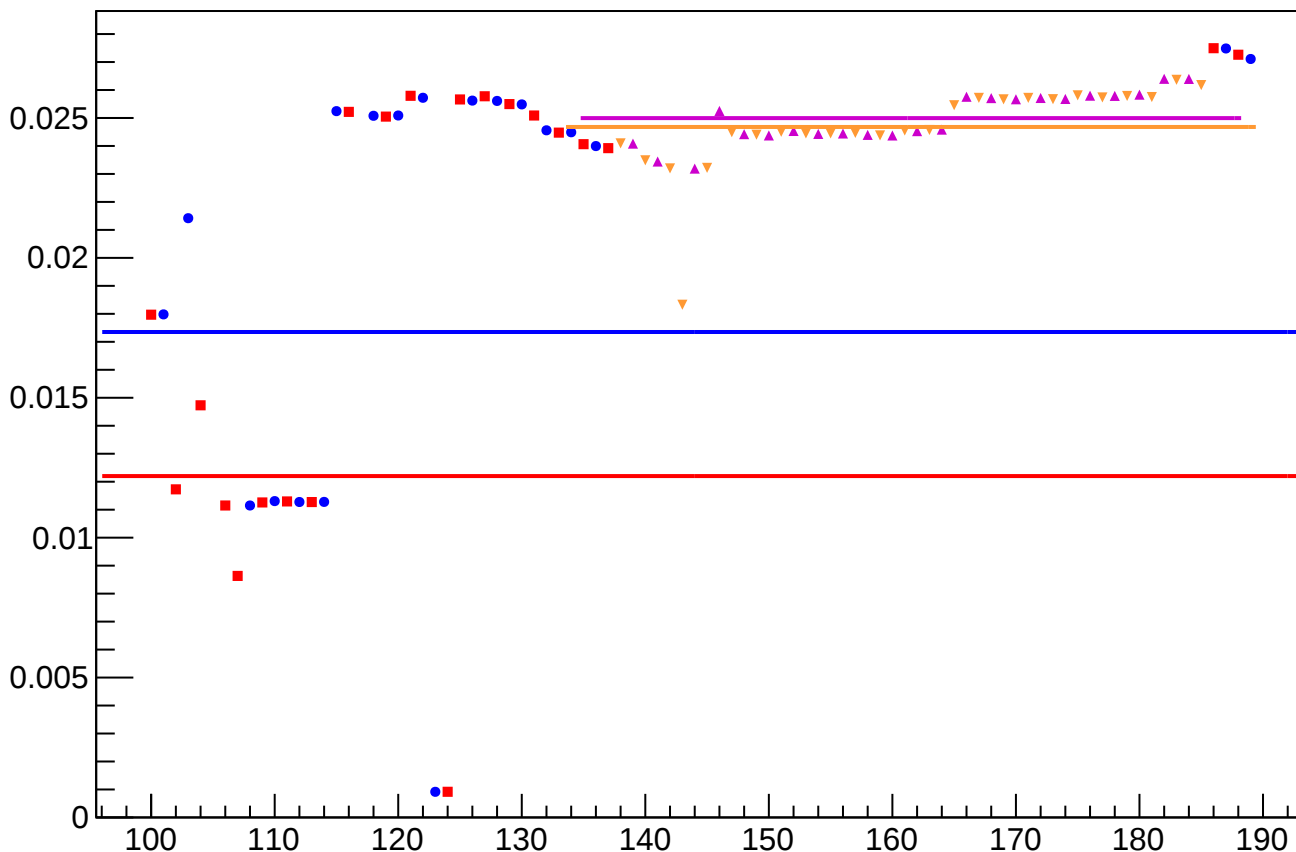
Left In: 0.056+/-0.000 χ^2/NDF :52190.5/22

+ sign 0.056+/-0.000 χ^2/NDF : 110038.0/43

All: 0.056+/-0.000 χ^2/NDF : 355984.3/87

- sign 0.056+/-0.000 χ^2/NDF : 245924.7/43

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 133706537108.2/18

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF:9641065555.8/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 268122670082.6/20

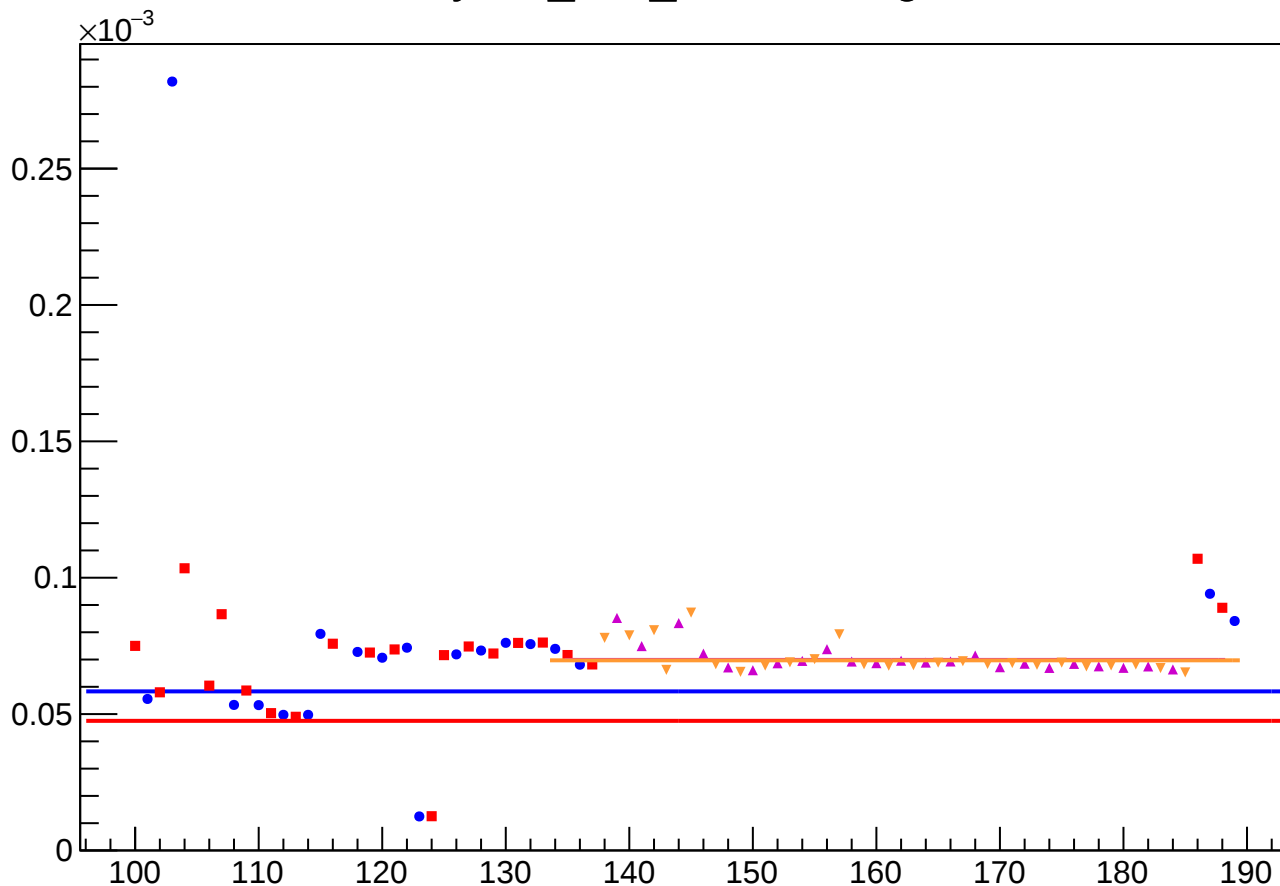
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF:2462473687.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 207296694388.9/43

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 740035276256.9

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 511892187025.0/43

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2124648.0/18

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:158125.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4235985.0/20

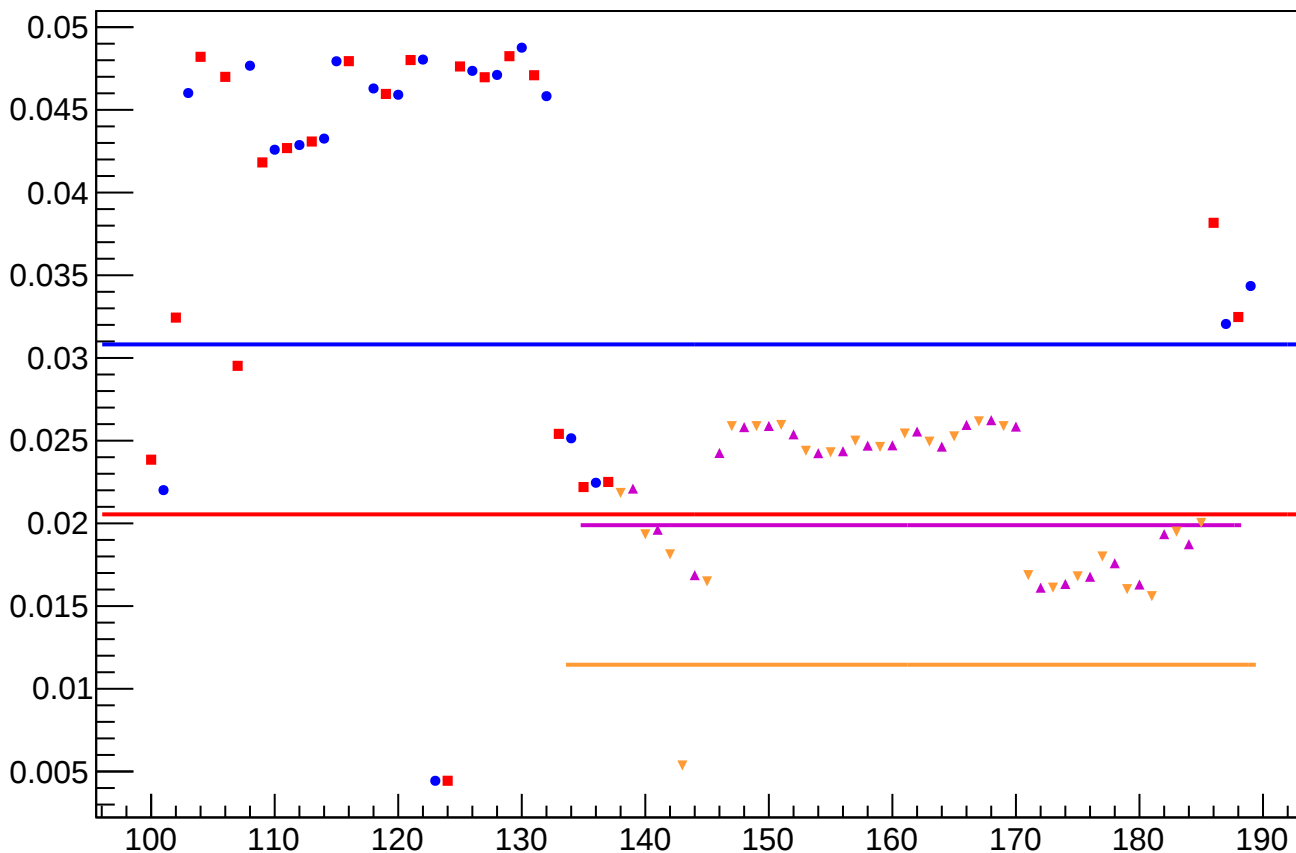
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:129289.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2591783.0/43

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8605960.9/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5836340.7/43

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21107654373.1/18

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.021+/-0.000 χ^2/NDF : 40694182430.2/20

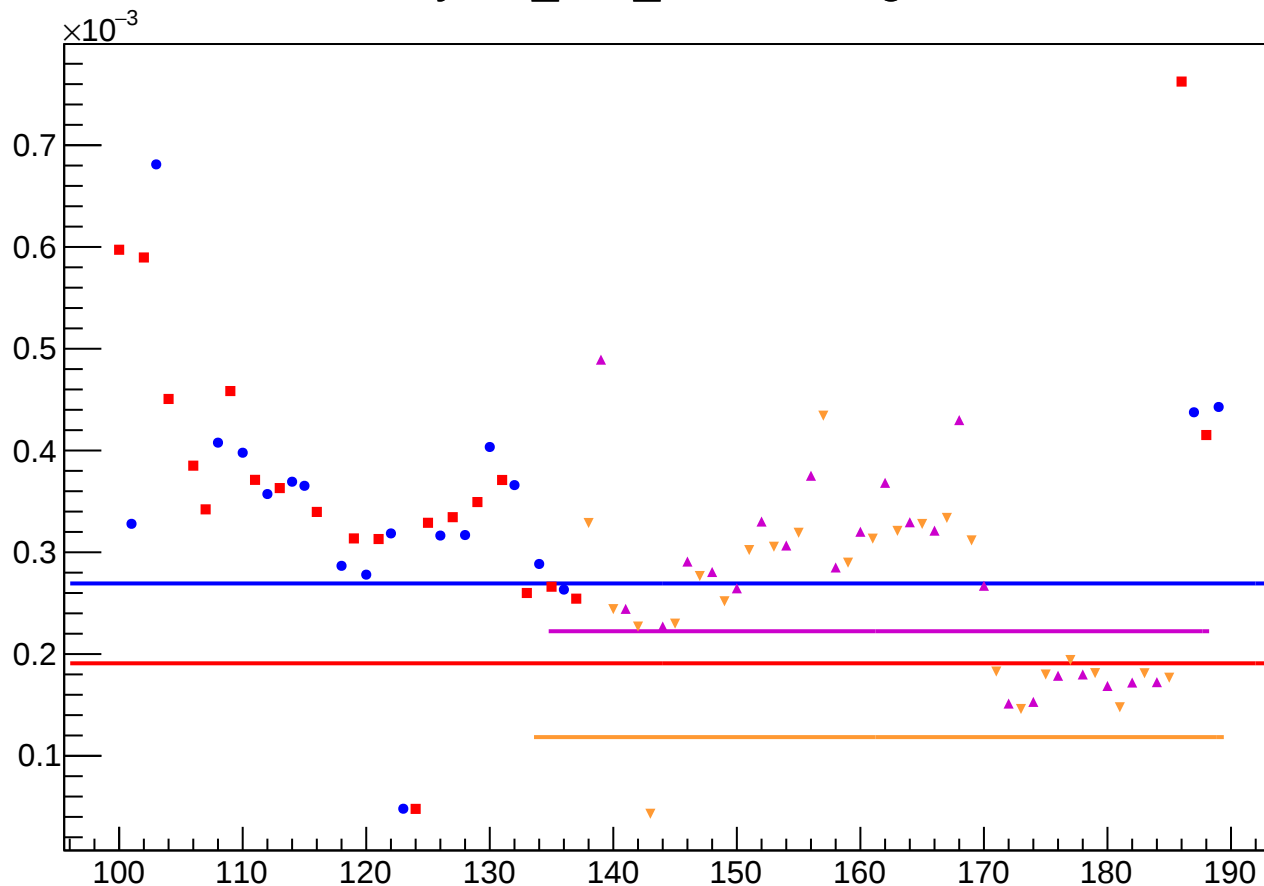
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 86361416937.8/43

All: 0.016+/-0.000 χ^2/NDF : 144236203101.6

- sign 0.020+/-0.000 χ^2/NDF : 45189938510.9/43

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2556592.3/18

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13563132.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6279911.2/20

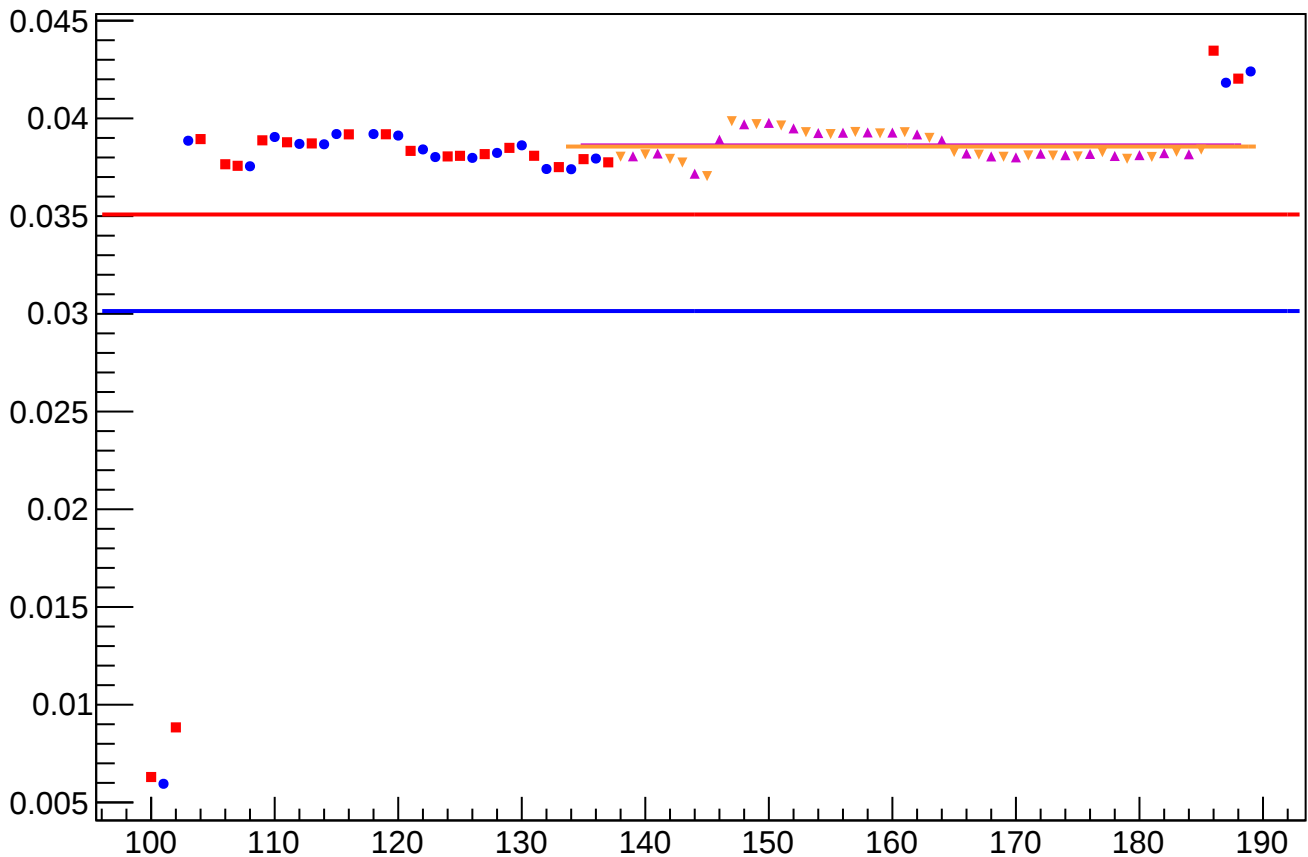
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3281119.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19153464.8/43

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32426344.9/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9732602.1/43

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 99050733700.2/18

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 123321666343.3/43

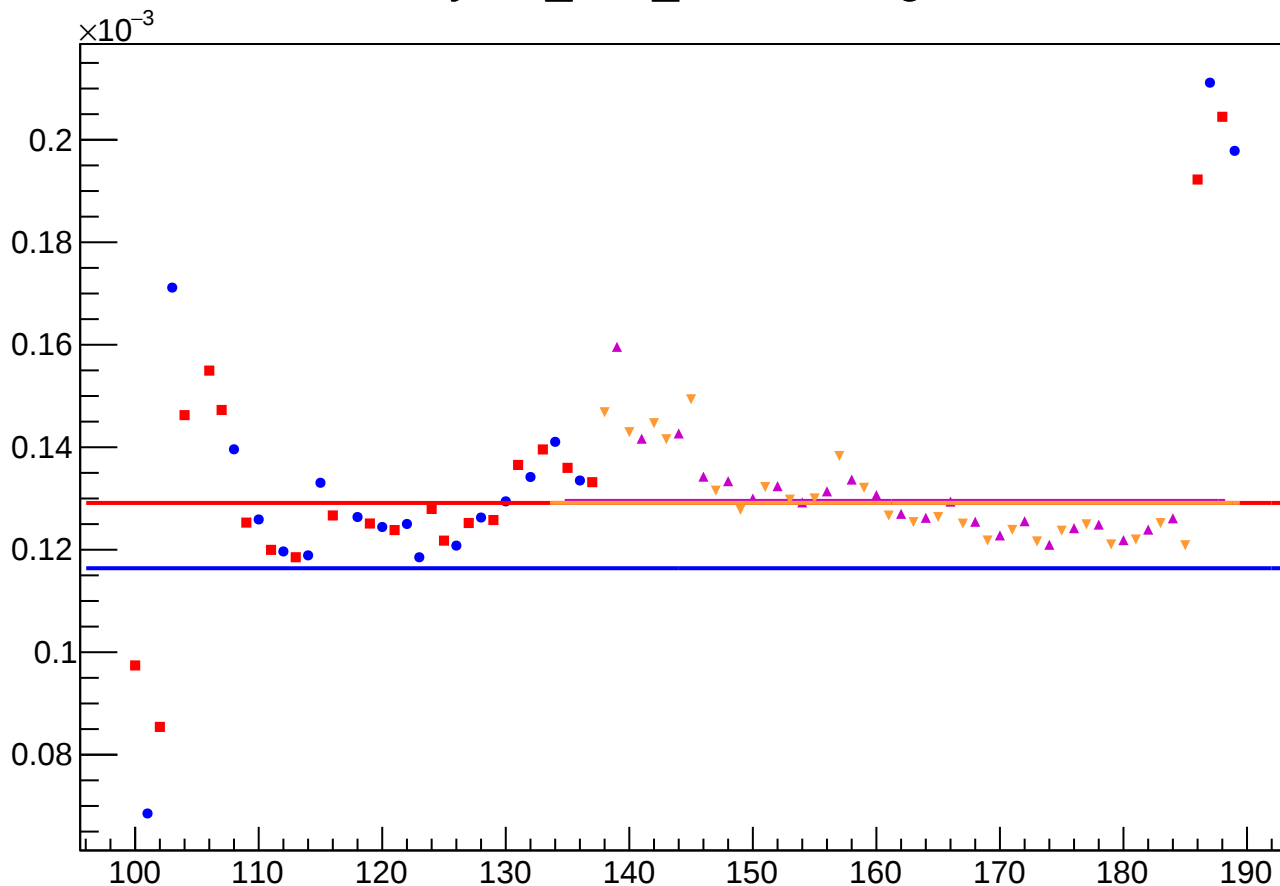
Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 45383618199.8/20

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 175008928755.1

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 49824160579.0/43

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 999219.7/18

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 585839.4/20

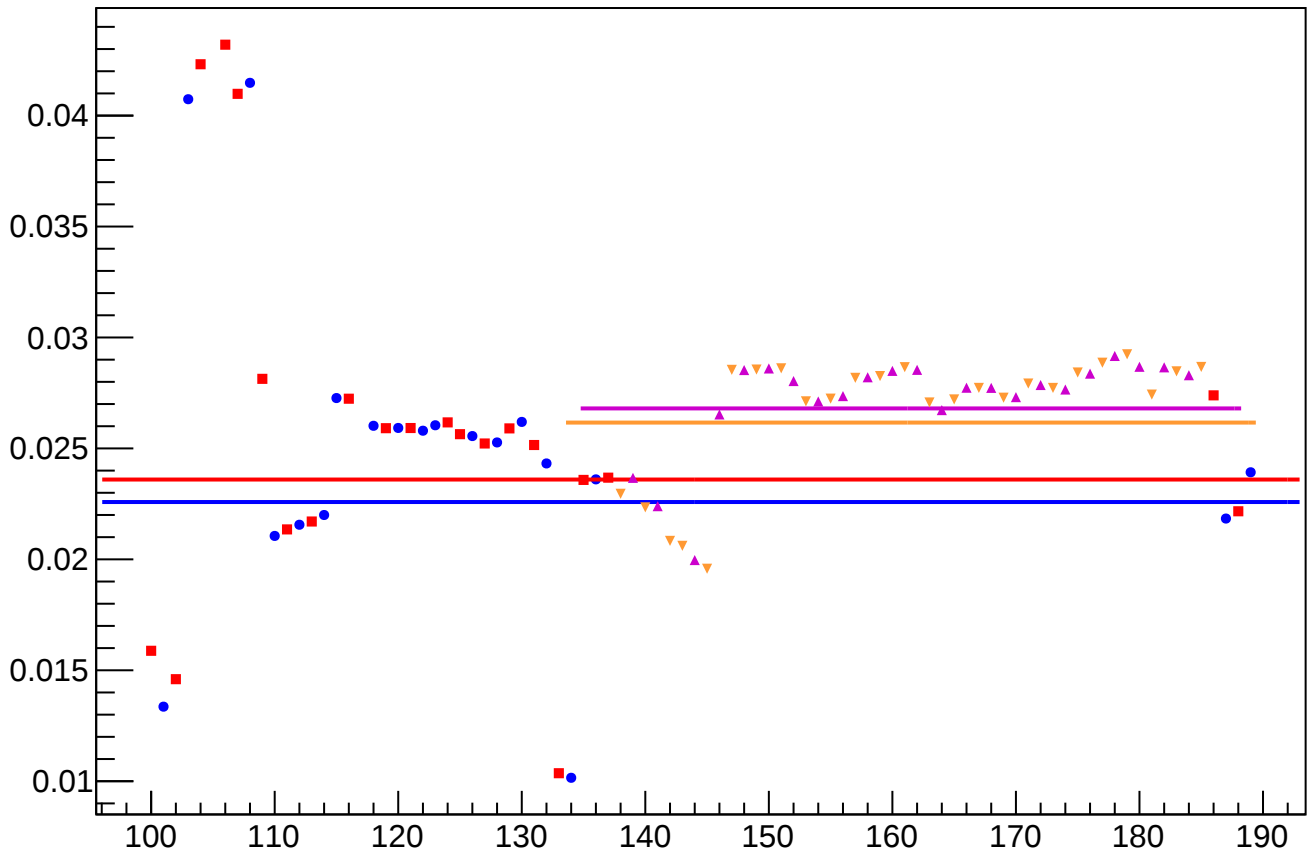
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1238591.7/43

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 1966286.1/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 700702.8/43

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4242491423.9/18

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.024+/-0.000 χ^2/NDF : 5679700212.9/20

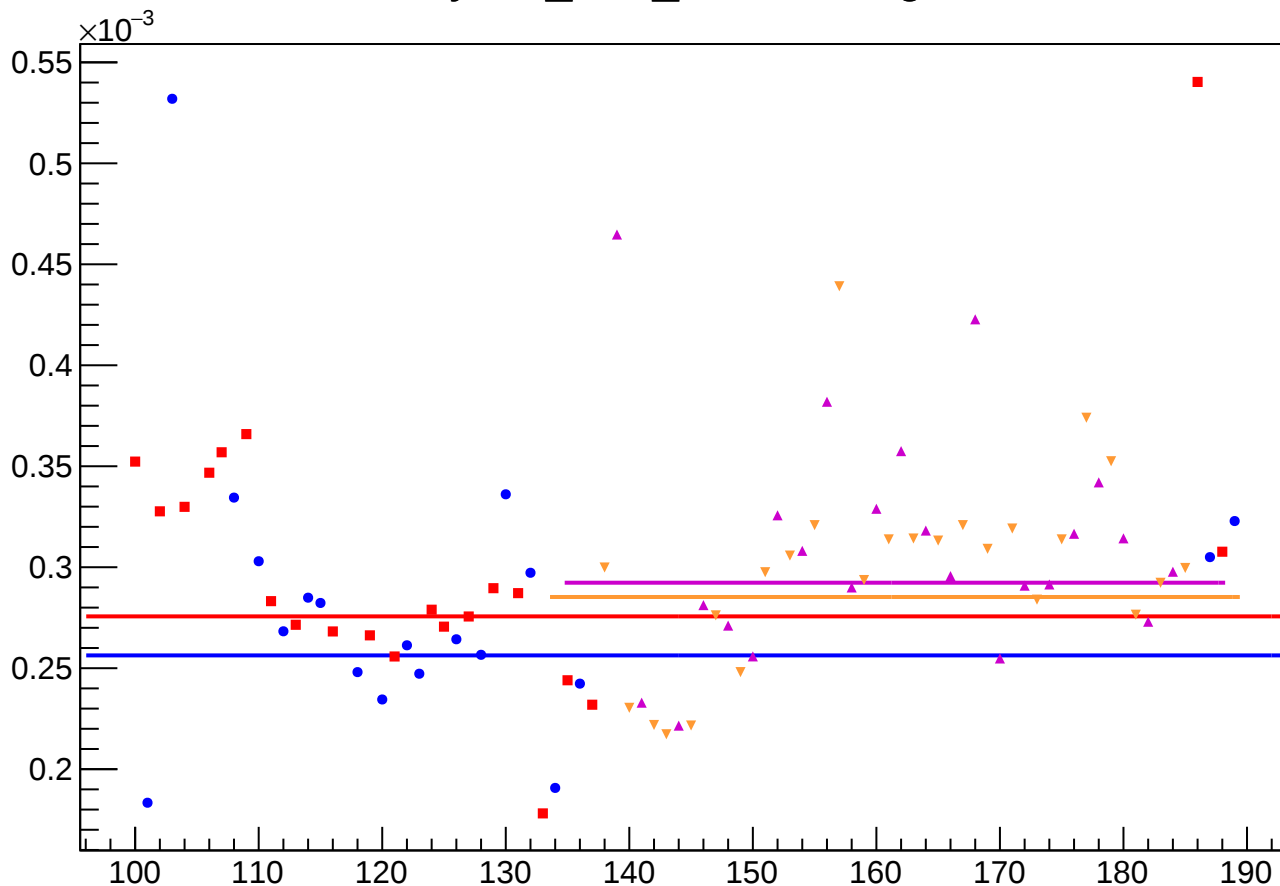
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7124903399.8/43

All: 0.025+/-0.000 χ^2/NDF : 14848715342.8/8

- sign 0.026+/-0.000 χ^2/NDF : 7653807064.8/43

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 663341.4/18

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 631795.5/20

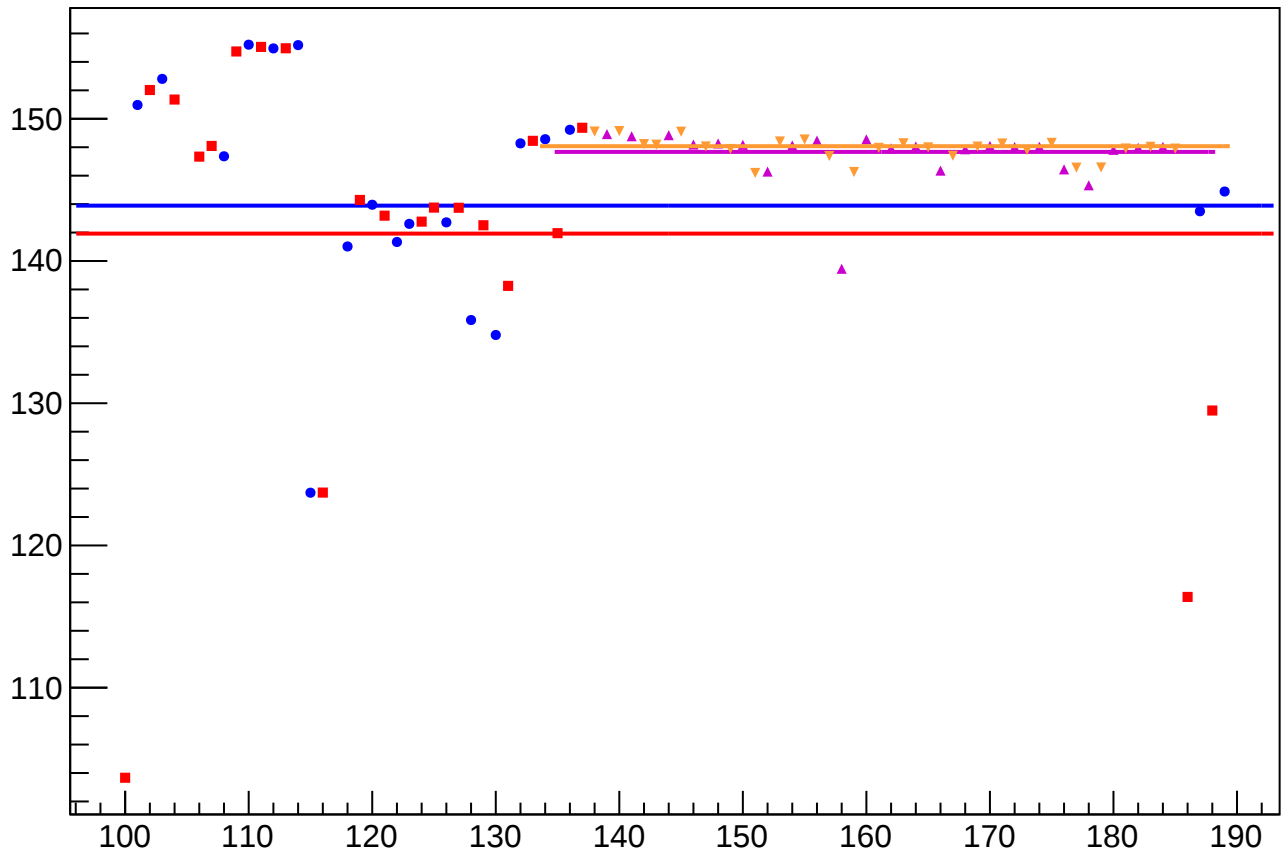
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1584521.2/43

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 3182591.6/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1565317.7/43

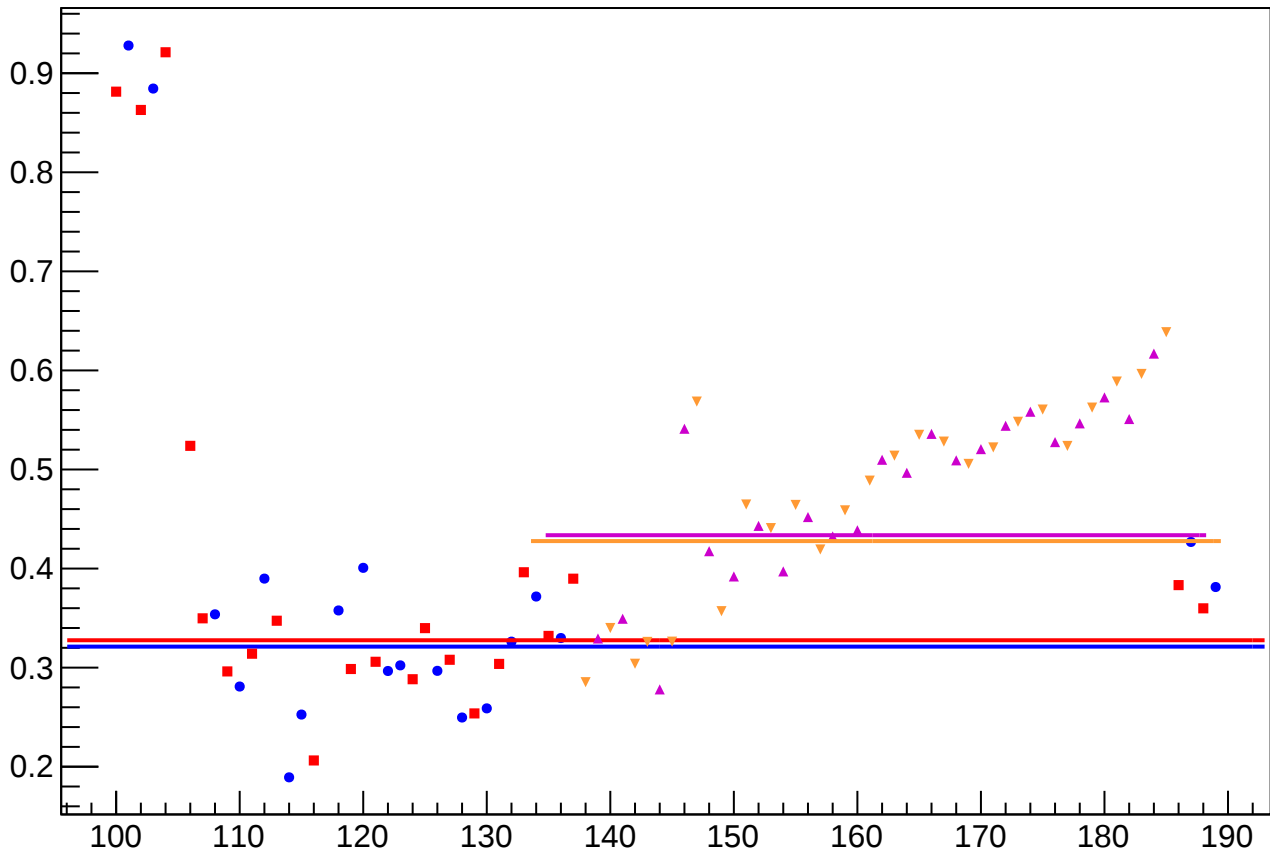
yield_bcm_an_ds_mean vs Slug



Right In: 143.893 ± 0.000 $\chi^2/NDF: 3453719737.5/18$
 Left Out: 148.073 ± 0.000 $\chi^2/NDF: 65614067.4/24$
 Right Out: 141.927 ± 0.000 $\chi^2/NDF: 7196658352.4/20$
 Left In: 147.670 ± 0.000 $\chi^2/NDF: 345222604.4/22$

+ sign 146.454 ± 0.000 $\chi^2/NDF: 4147419949.0/43$
 All: 145.822 ± 0.000 $\chi^2/NDF: 13039774129.$
 - sign 145.194 ± 0.000 $\chi^2/NDF: 8771871013.8/43$

yield_bcm_an_ds_rms vs Slug



Right In: 0.321 ± 0.000 χ^2/NDF : 1299432.5/18

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.328 ± 0.000 χ^2/NDF : 1249917.3/20

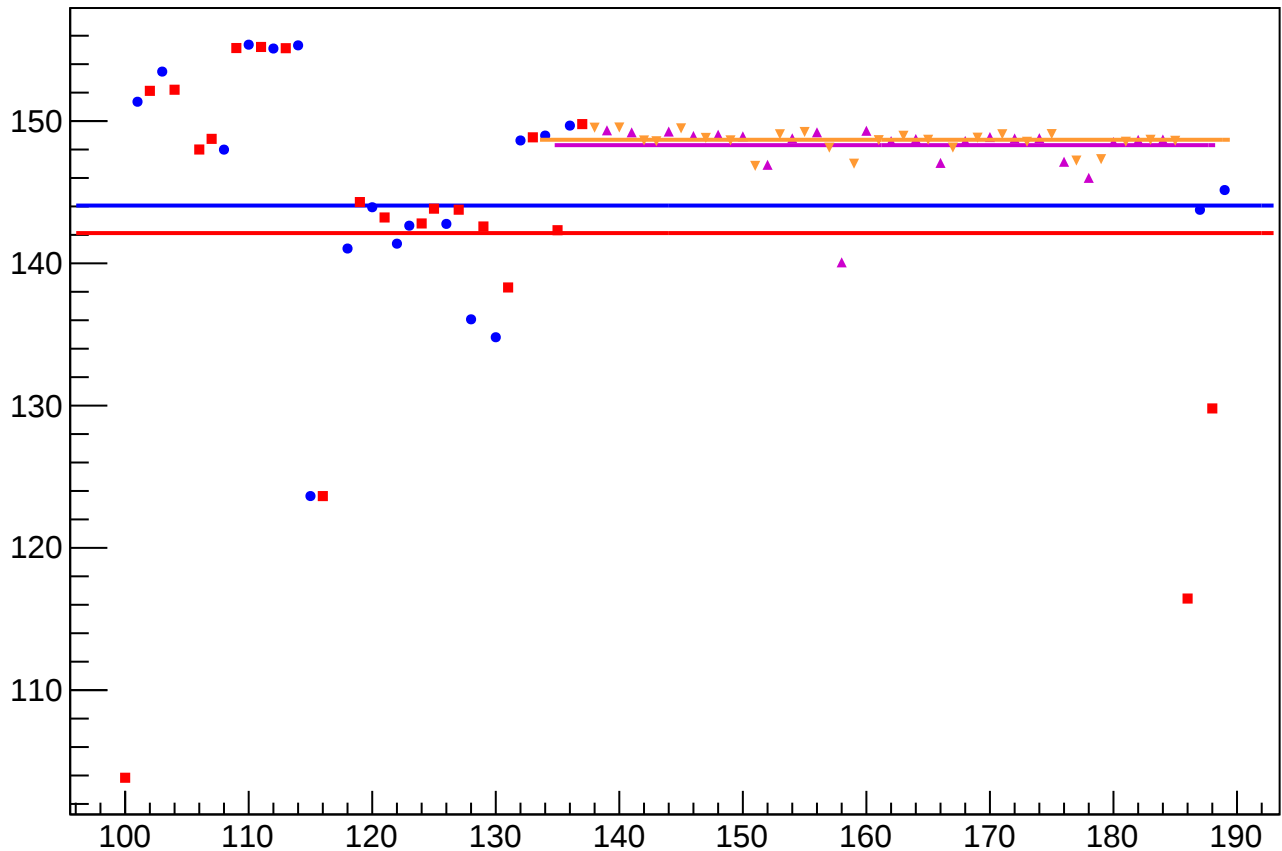
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.386 ± 0.000 χ^2/NDF : 4011882.6/43

All: 0.387 ± 0.000 χ^2/NDF : 7596973.8/87

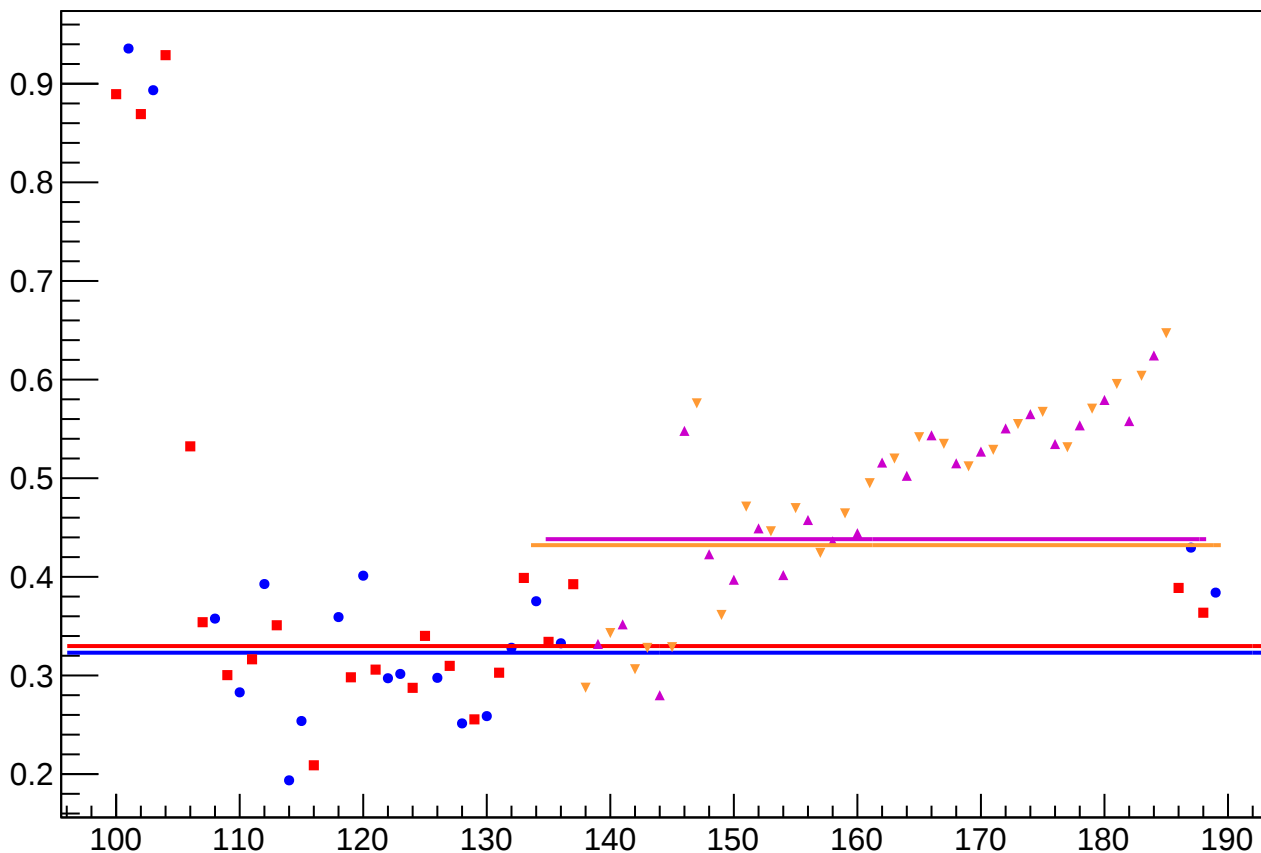
- sign 0.388 ± 0.000 χ^2/NDF : 3584762.8/43

yield_bcm_an_ds3_mean vs Slug



Right In: 144.062 $\pm$ 0.000	χ^2 /NDF: 3498683002.4/18	+ sign 146.884 $\pm$ 0.000	χ^2 /NDF: 4307677851.4/43
Left Out: 148.686 $\pm$ 0.000	χ^2 /NDF: 52218185.1/24	All: 146.256 $\pm$ 0.000	χ^2 /NDF: 13298678563.
Right Out: 142.127 $\pm$ 0.000	χ^2 /NDF: 7139933054.0/20	- sign 145.630 $\pm$ 0.000	χ^2 /NDF: 8873716476.0/43
Left In: 148.307 $\pm$ 0.000	χ^2 /NDF: 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.323 ± 0.000 χ^2/NDF : 1301526.0/18

Left Out: 0.432 ± 0.000 χ^2/NDF : 1929031.5/24

Right Out: 0.330 ± 0.000 χ^2/NDF : 1255047.3/20

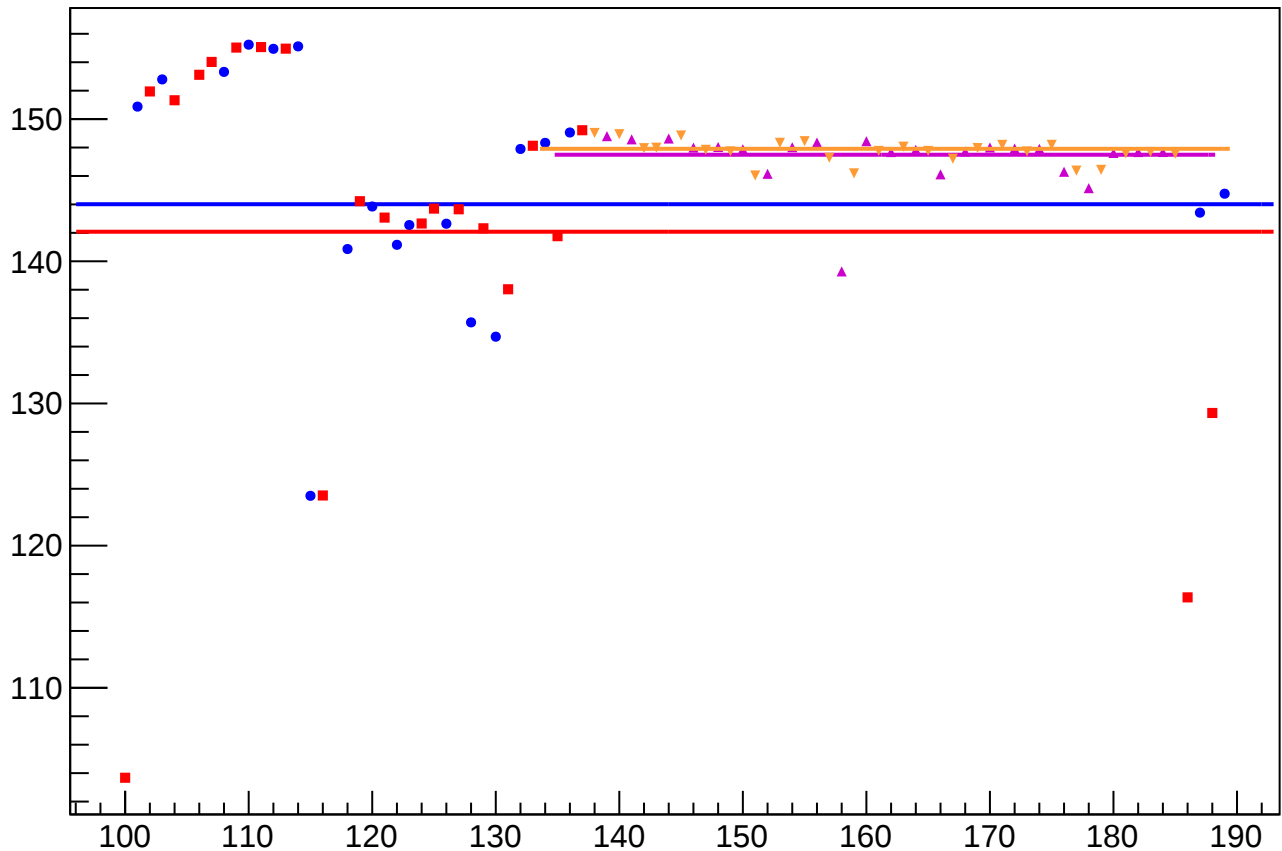
Left In: 0.438 ± 0.000 χ^2/NDF : 1521893.6/22

+ sign 0.390 ± 0.000 χ^2/NDF : 4072319.1/43

All: 0.390 ± 0.000 χ^2/NDF : 7710971.3/87

- sign 0.391 ± 0.000 χ^2/NDF : 3638262.0/43

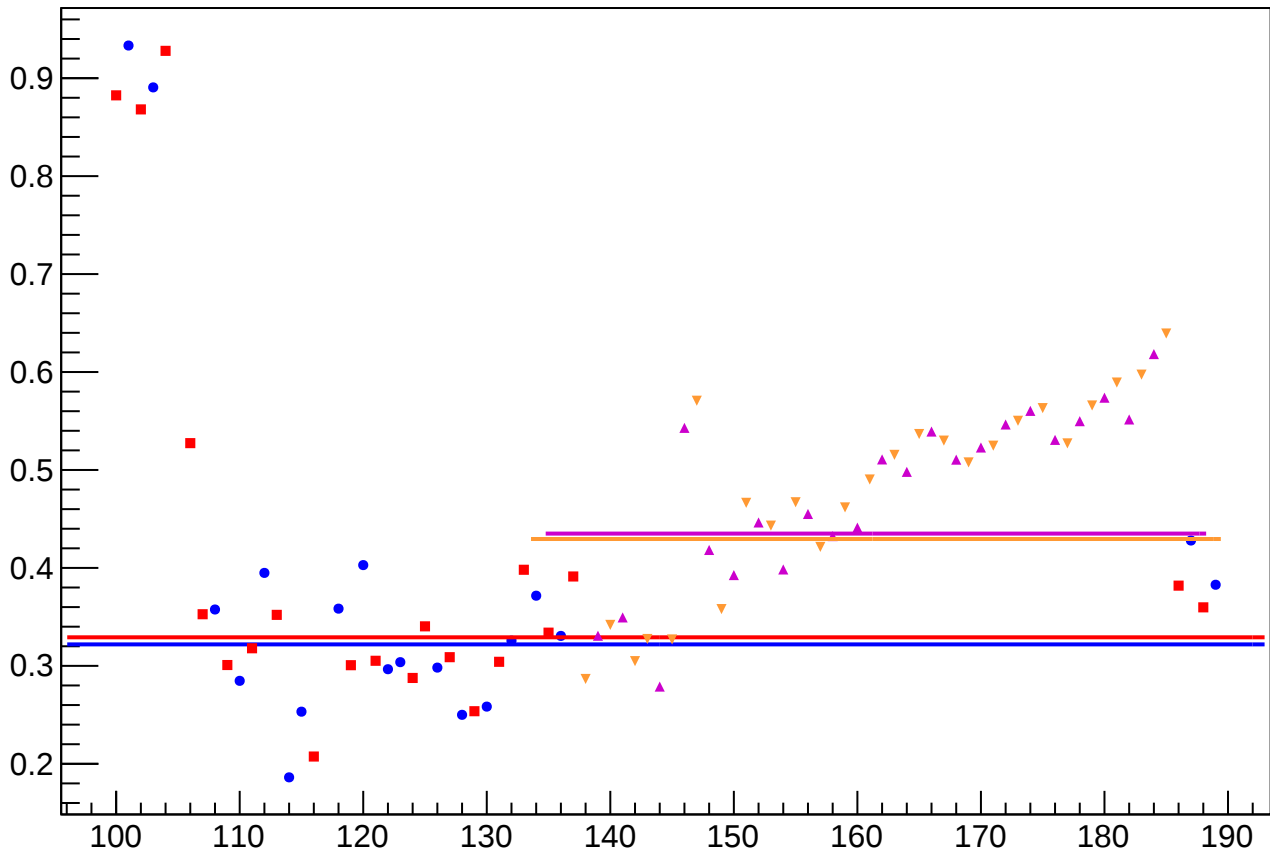
yield_bcm_an_us_mean vs Slug



Right In: 144.014 ± 0.000 χ^2/NDF : 3666262735.8/18
 Left Out: 147.911 ± 0.000 χ^2/NDF : 64412407.9/24
 Right Out: 142.079 ± 0.000 χ^2/NDF : 7590385785.8/20
 Left In: 147.493 ± 0.000 χ^2/NDF : 343978473.2/22

+ sign 146.399 ± 0.000 χ^2/NDF : 4272831217.4/43
 All: 145.780 ± 0.000 χ^2/NDF : 13406956383.
 - sign 145.162 ± 0.000 χ^2/NDF : 9018797268.3/43

yield_bcm_an_us_rms vs Slug



Right In: 0.322 ± 0.000 χ^2/NDF : 1314449.4/18

Left Out: 0.430 ± 0.000 χ^2/NDF : 1895701.4/24

Right Out: 0.329 ± 0.000 χ^2/NDF : 1251399.2/20

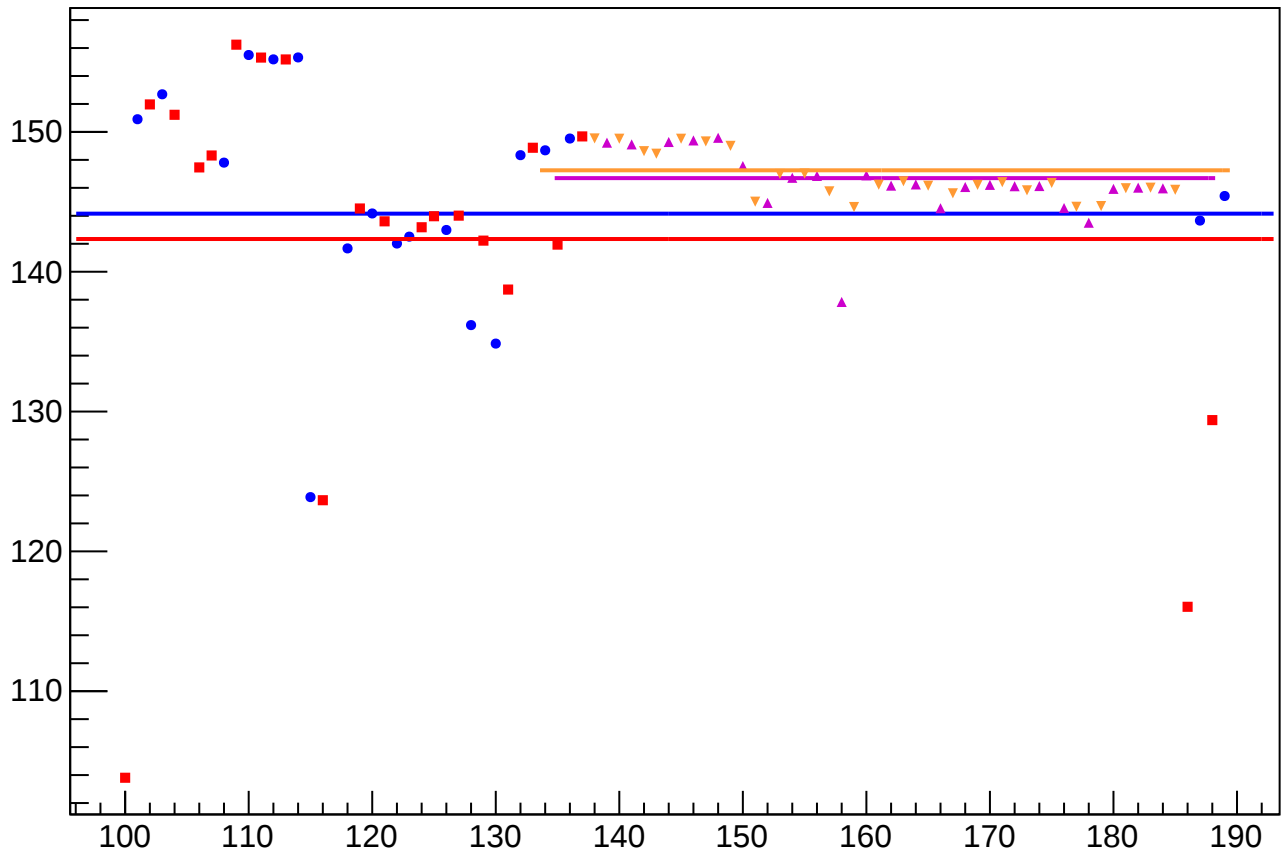
Left In: 0.435 ± 0.000 χ^2/NDF : 1502712.5/22

+ sign 0.388 ± 0.000 χ^2/NDF : 4036537.9/43

All: 0.389 ± 0.000 χ^2/NDF : 7620623.6/87

- sign 0.389 ± 0.000 χ^2/NDF : 3583665.7/43

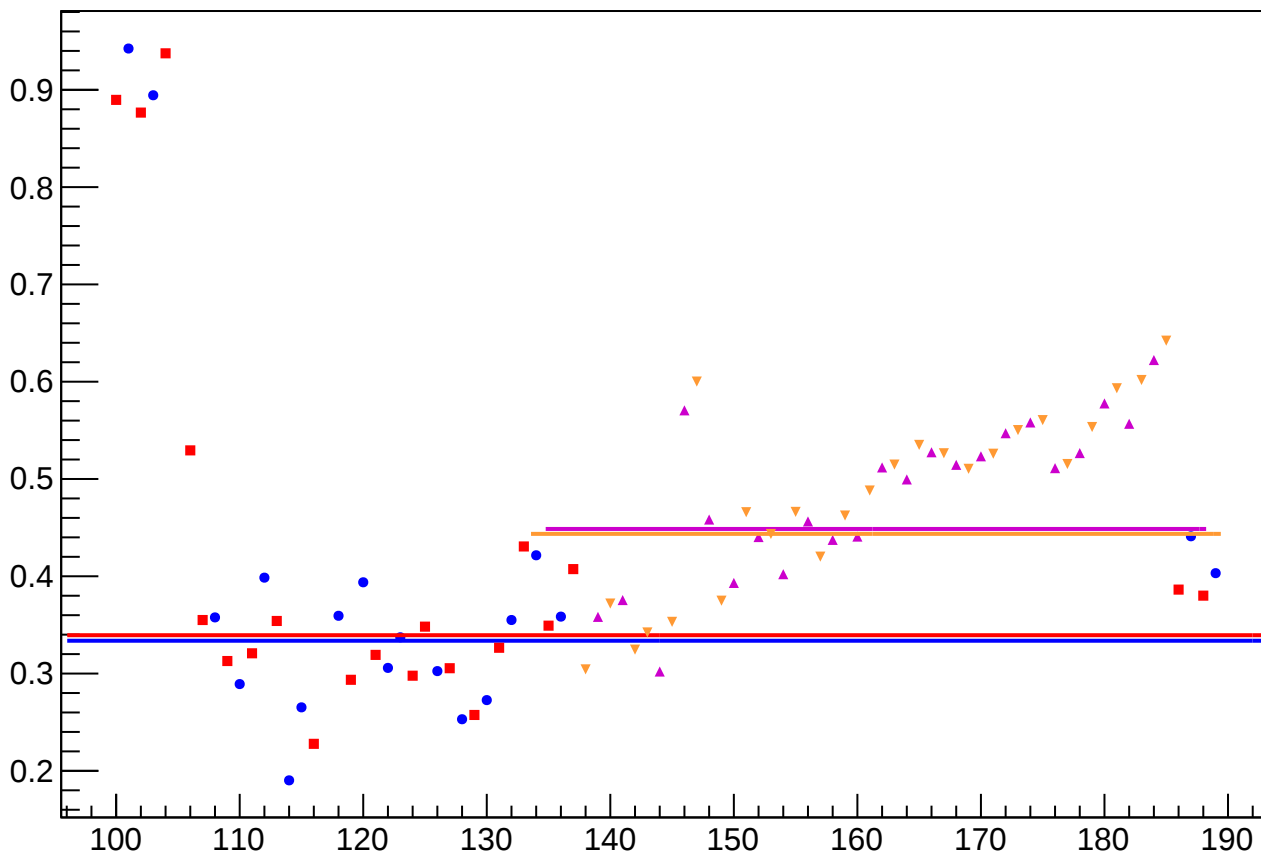
yield_bcm_dg_us_mean vs Slug



Right In: 144.154 $\pm$ 0.000 χ^2/NDF : 3167418526.7/18
 Left Out: 147.255 $\pm$ 0.000 χ^2/NDF : 262138049.8/24
 Right Out: 142.341 $\pm$ 0.000 χ^2/NDF : 6899688022.9/20
 Left In: 146.695 $\pm$ 0.000 χ^2/NDF : 557896803.1/22

+ sign 146.067 $\pm$ 0.000 χ^2/NDF : 3750253231.7/43
 All: 145.447 $\pm$ 0.000 χ^2/NDF : 11977419753.
 - sign 144.834 $\pm$ 0.000 χ^2/NDF : 8119234634.8/43

yield_bcm_dg_us_rms vs Slug



Right In: 0.334 ± 0.000 χ^2/NDF : 1301512.5/18

Left Out: 0.444 ± 0.000 χ^2/NDF : 1483434.7/24

Right Out: 0.339 ± 0.000 χ^2/NDF : 1216388.7/20

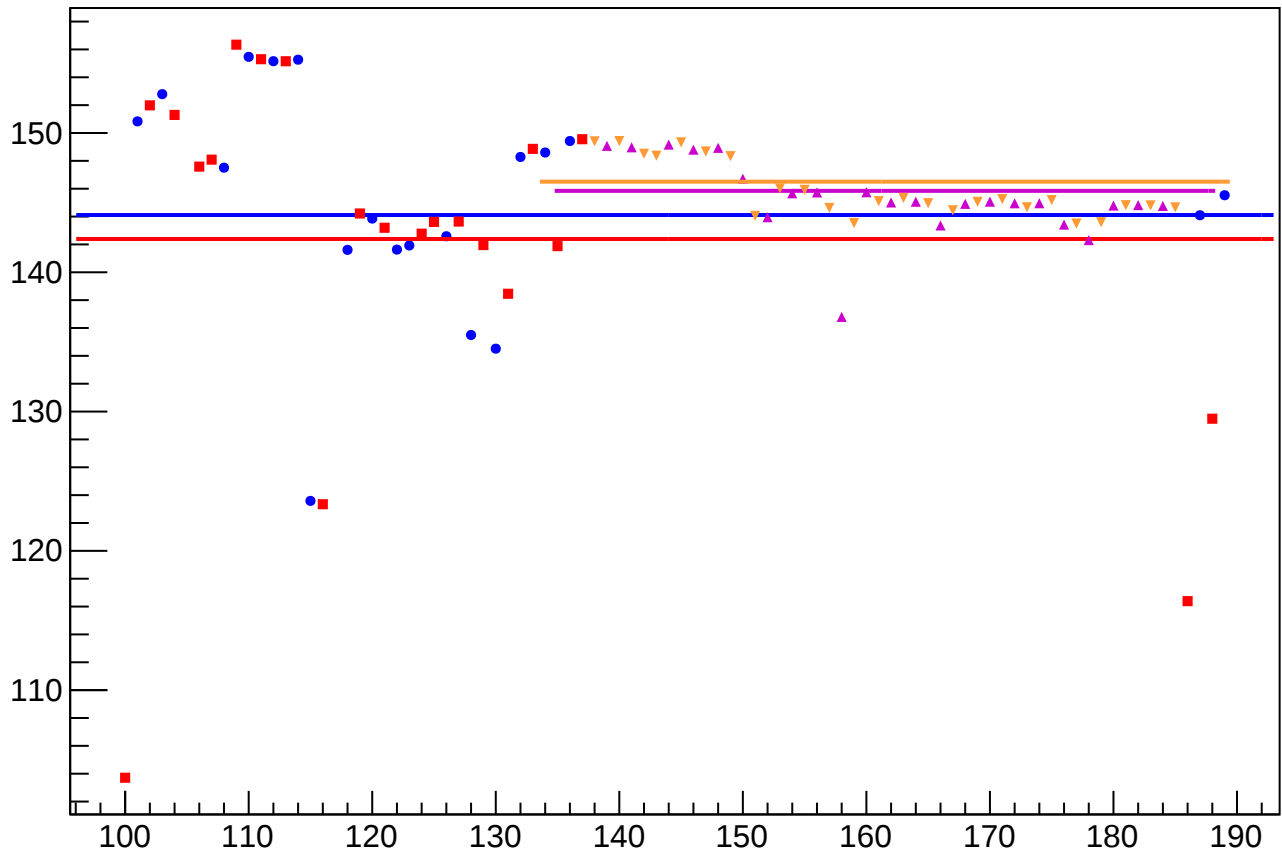
Left In: 0.449 ± 0.000 χ^2/NDF : 1132620.8/22

+ sign 0.402 ± 0.000 χ^2/NDF : 3589933.3/43

All: 0.402 ± 0.000 χ^2/NDF : 6771413.7/87

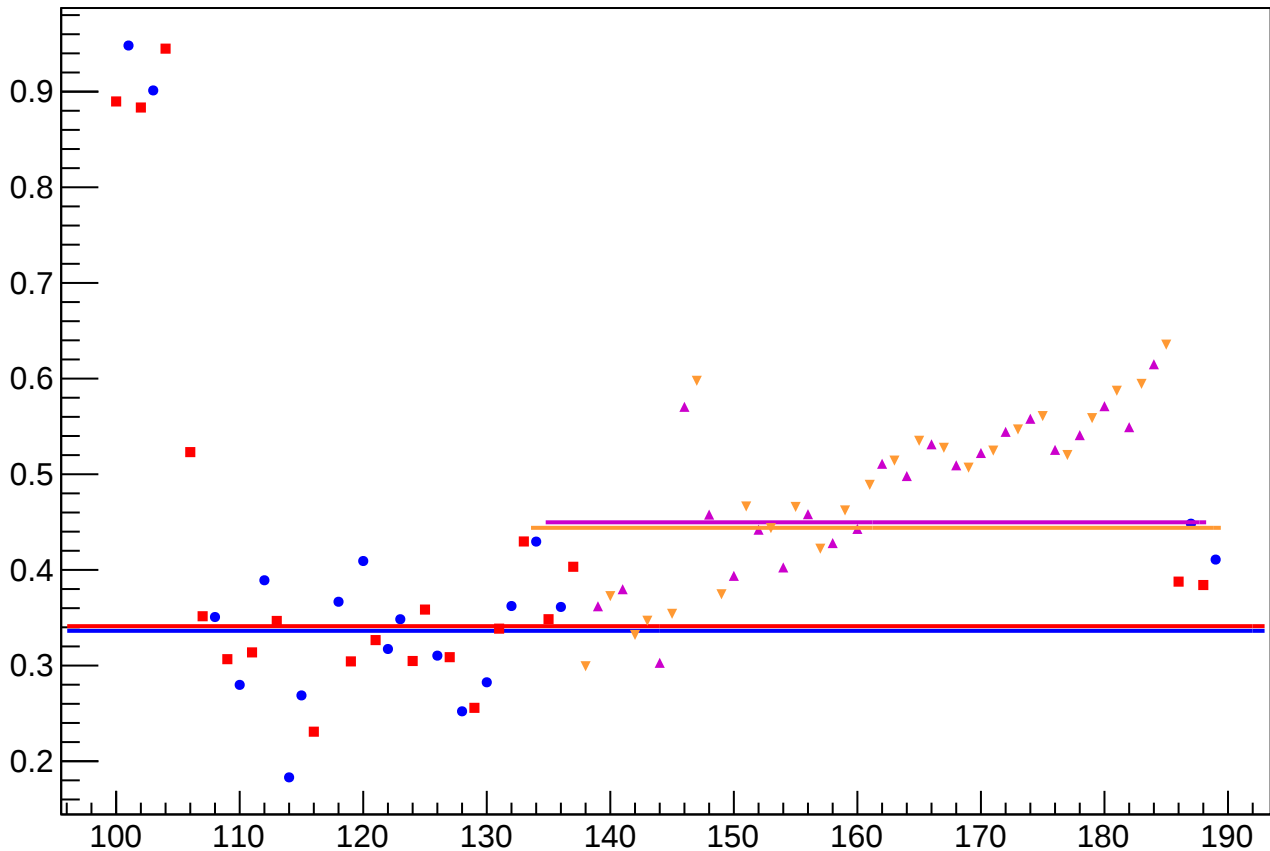
- sign 0.402 ± 0.000 χ^2/NDF : 3181454.2/43

yield_bcm_dg_ds_mean vs Slug



Right In: 144.111 $\pm$ 0.000	χ^2 /NDF: 3287746289.7/18	+ sign 145.598 $\pm$ 0.000	χ^2 /NDF: 3878144088.8/43
Left Out: 146.505 $\pm$ 0.000	χ^2 /NDF: 401688176.3/24	All: 144.983 $\pm$ 0.000	χ^2 /NDF: 11971946833.
Right Out: 142.391 $\pm$ 0.000	χ^2 /NDF: 6881222235.2/20	- sign 144.375 $\pm$ 0.000	χ^2 /NDF: 7988717548.3/43
Left In: 145.847 $\pm$ 0.000	χ^2 /NDF: 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.336 ± 0.000 χ^2/NDF : 1320914.7/18

Left Out: 0.444 ± 0.000 χ^2/NDF : 1463293.5/24

Right Out: 0.341 ± 0.000 χ^2/NDF : 1206745.1/20

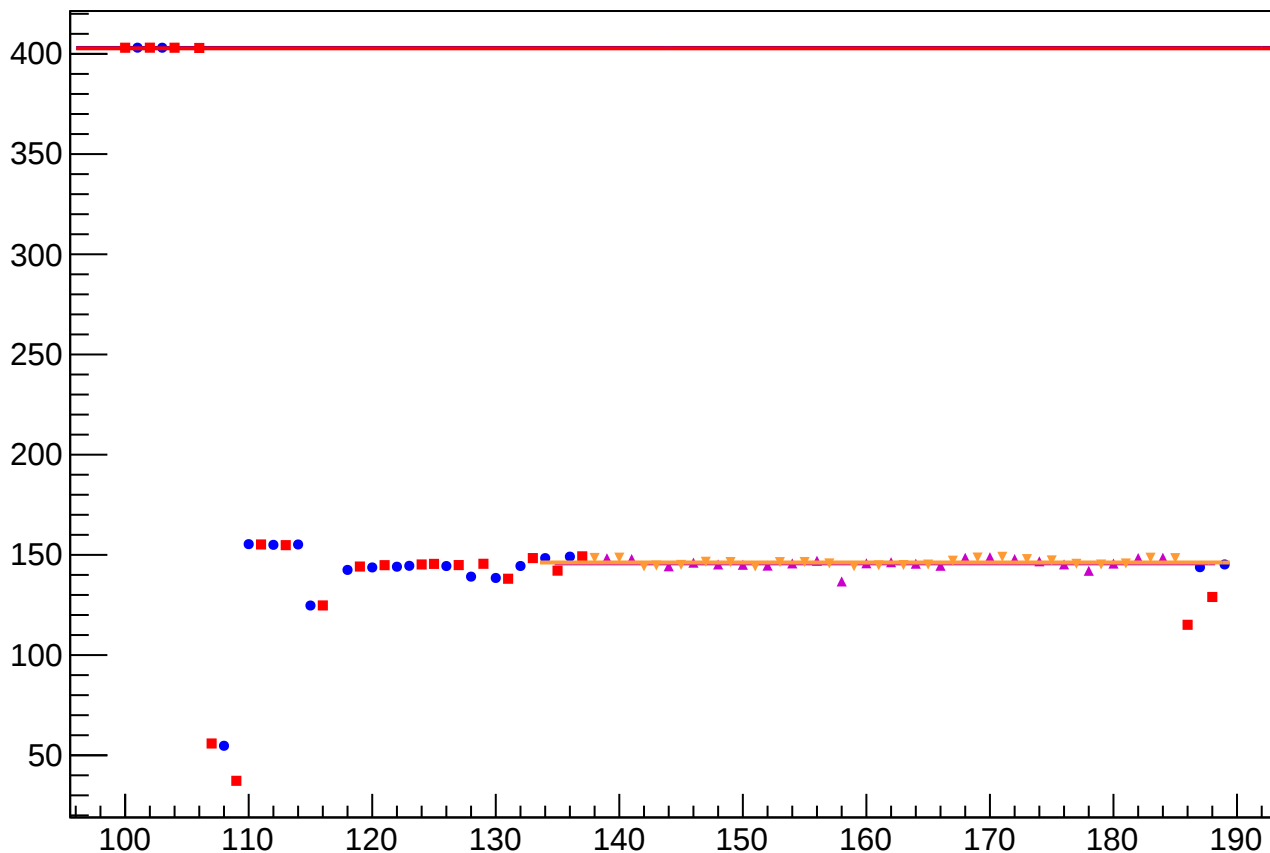
Left In: 0.450 ± 0.000 χ^2/NDF : 1105405.0/22

+ sign 0.403 ± 0.000 χ^2/NDF : 3547999.4/43

All: 0.403 ± 0.000 χ^2/NDF : 6675166.9/87

- sign 0.404 ± 0.000 χ^2/NDF : 3127151.2/43

yield_cav4bQ_mean vs Slug



Right In: 402.950+/-0.000 χ^2/NDF : 1150923173641.2/18

Left Out: 146.205+/-0.000 χ^2/NDF : 86658381.3/24

Right Out: 402.779+/-0.000 χ^2/NDF : 3298601664085.1/20

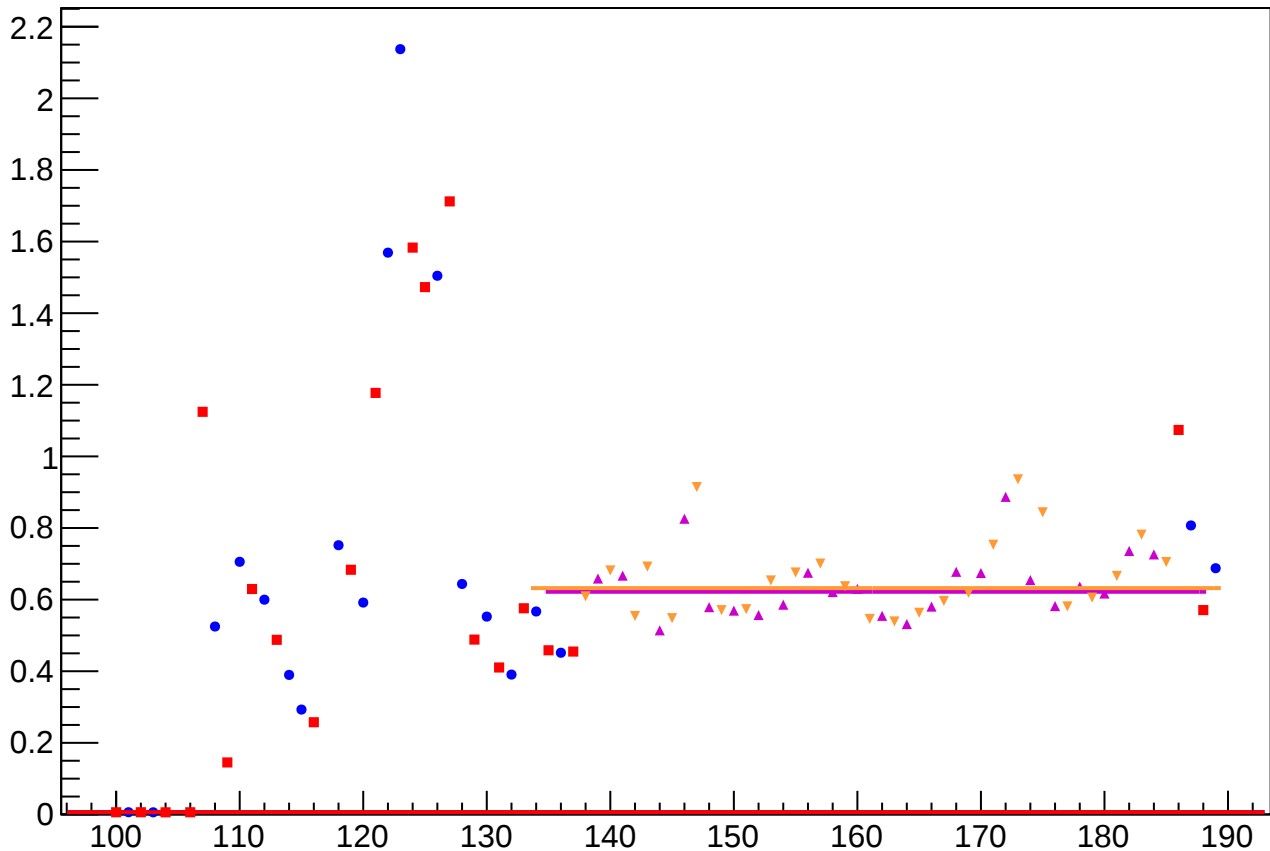
Left In: 145.773+/-0.000 χ^2/NDF : 207332354.9/22

+ sign 402.654+/-0.000 χ^2/NDF : 3522788501110.1

All: 402.583+/-0.000 χ^2/NDF : 916876381199

- sign 402.520+/-0.000 χ^2/NDF : 5645676260330.4

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9884912.2/18

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 11245596.2/20

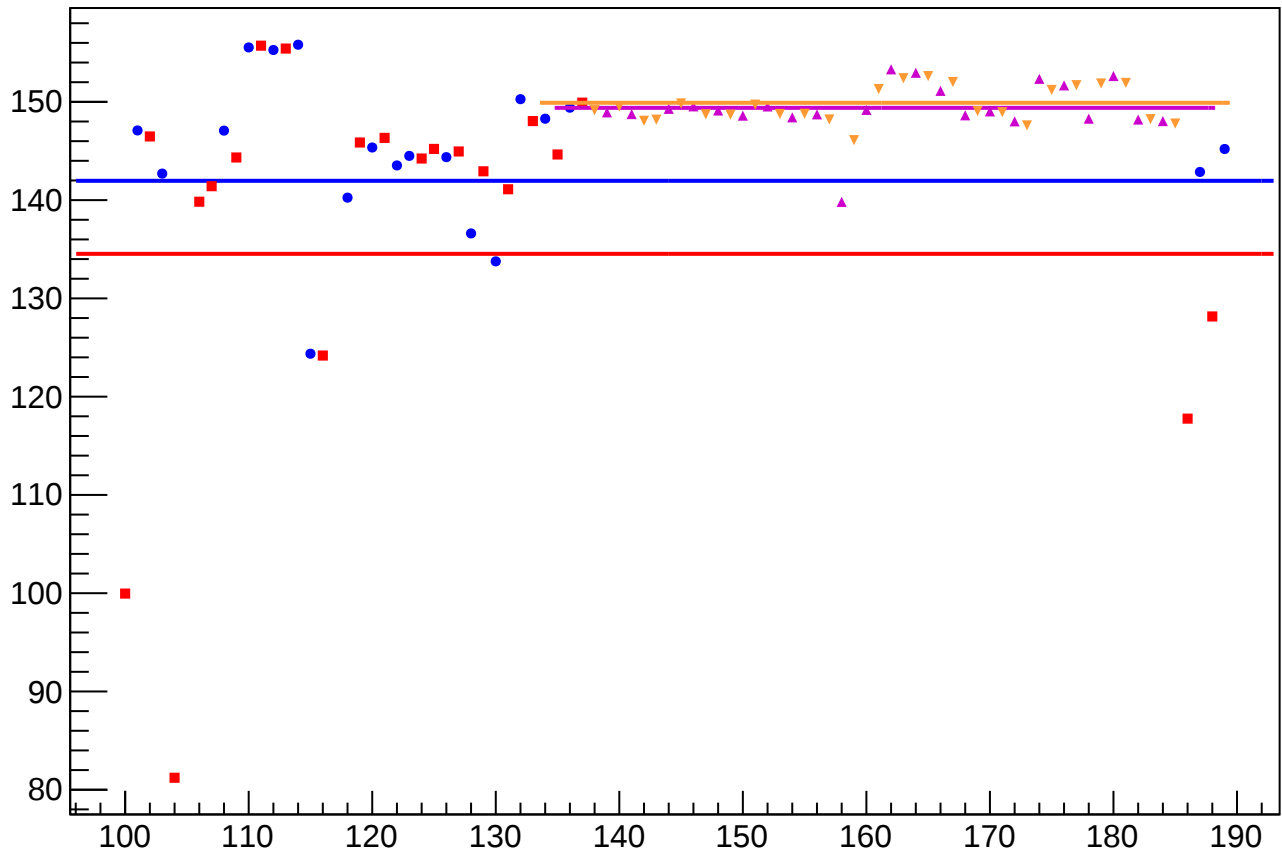
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 38676903.9/43

All: 0.007+/-0.000 χ^2/NDF : 77253928.0/87

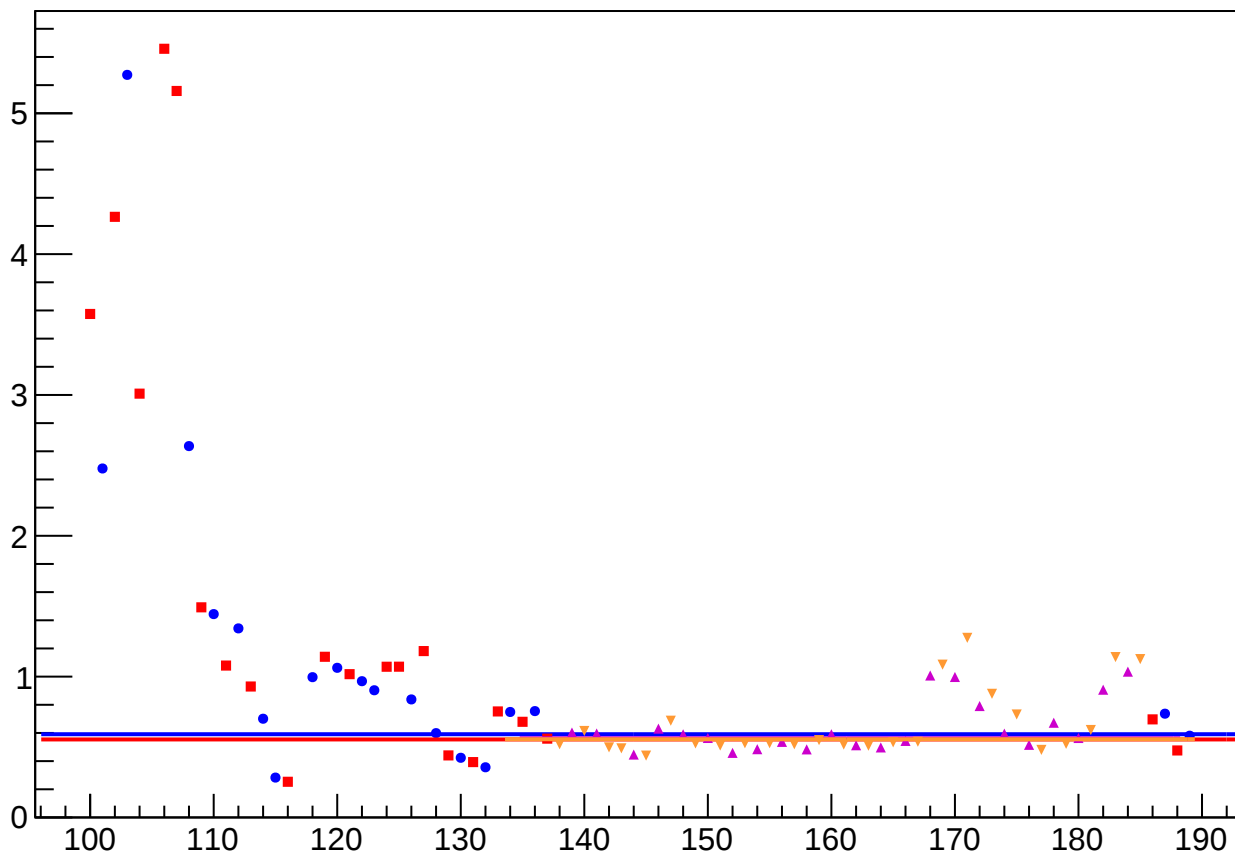
- sign 0.007+/-0.000 χ^2/NDF : 38576775.7/43

yield_cav4cQ_mean vs Slug



Right In: 141.965 $\pm$ 0.000	χ^2 /NDF: 988976903.3/18	+ sign 148.462 $\pm$ 0.000	χ^2 /NDF: 1736263863.0/43
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.200 $\pm$ 0.000	χ^2 /NDF: 6542320923.9
Right Out: 134.534 $\pm$ 0.000	χ^2 /NDF: 1726340819.6/20	- sign 145.934 $\pm$ 0.000	χ^2 /NDF: 4607575329.8/43
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.591 $\pm$ 0.000 χ^2 /NDF: 3482673.6/18

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773380.1/24

Right Out: 0.554 $\pm$ 0.000 χ^2 /NDF: 4717986.9/20

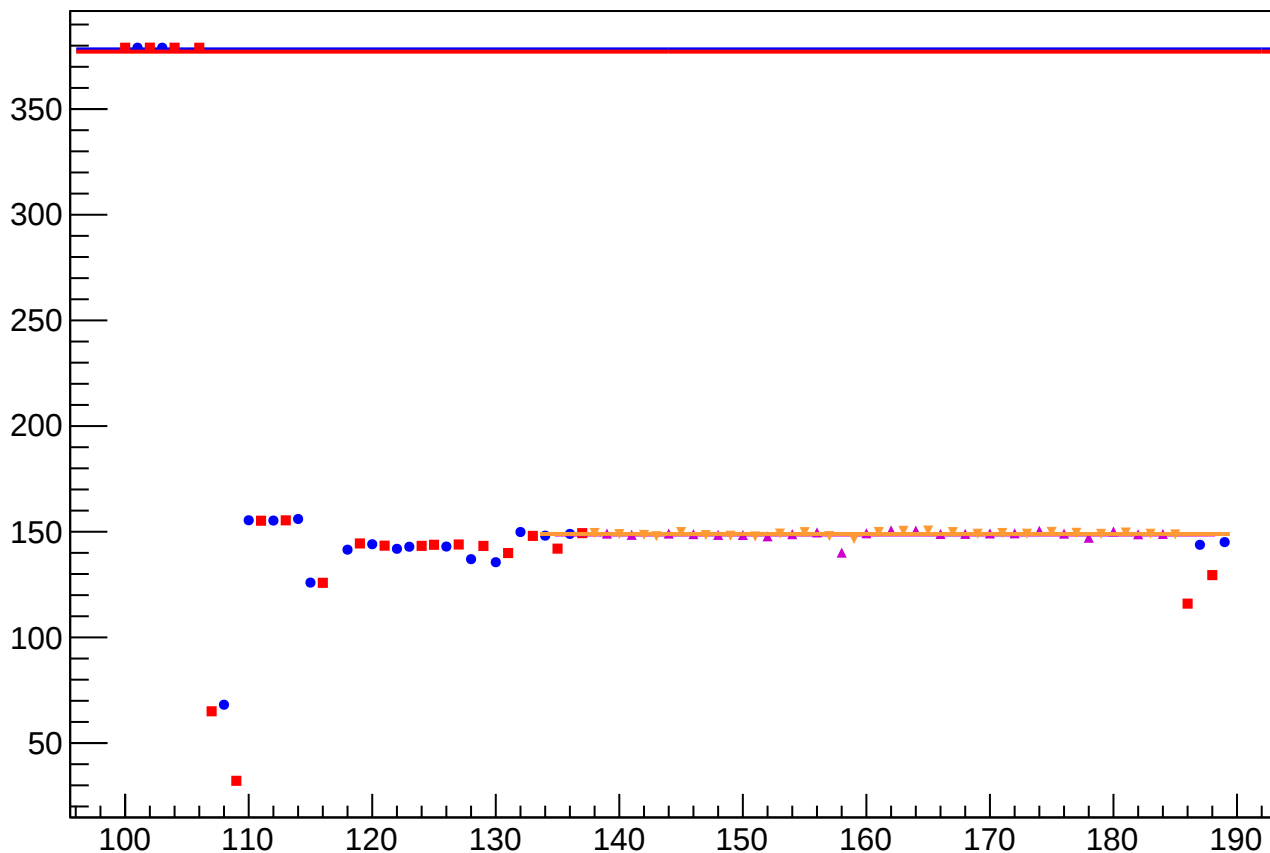
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1311075.2/22

+ sign 0.562 $\pm$ 0.000 χ^2 /NDF: 5279572.3/43

All: 0.561 $\pm$ 0.000 χ^2 /NDF: 11310288.3/87

- sign 0.560 $\pm$ 0.000 χ^2 /NDF: 6030535.4/43

yield_cav4dQ_mean vs Slug



Right In: 378.246+/-0.000 χ^2/NDF : 2622470003955.9/18

Left Out: 148.946+/-0.000 χ^2/NDF : 63974844.7/24

Right Out: 377.176+/-0.000 χ^2/NDF : 8712579222595.6/20

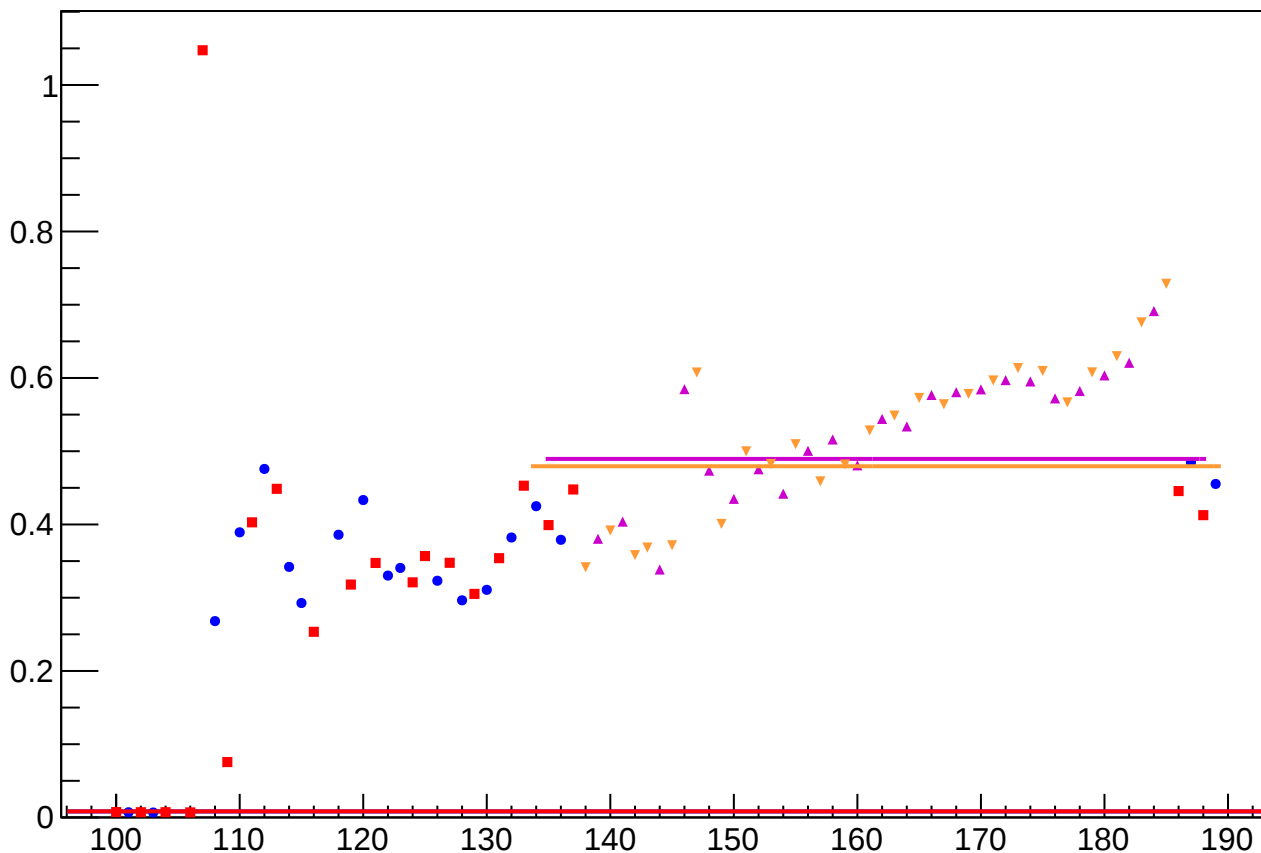
Left In: 148.683+/-0.000 χ^2/NDF : 253848207.3/22

+ sign 376.964+/-0.000 χ^2/NDF : 6536543034524.6

All: 376.527+/-0.000 χ^2/NDF : 188355812409

- sign 376.144+/-0.000 χ^2/NDF : 12294240073579.4

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 10798817.2/18

Left Out: 0.479+/-0.000 χ^2/NDF :1518765.9/24

Right Out: 0.008+/-0.000 χ^2/NDF : 11798207.6/20

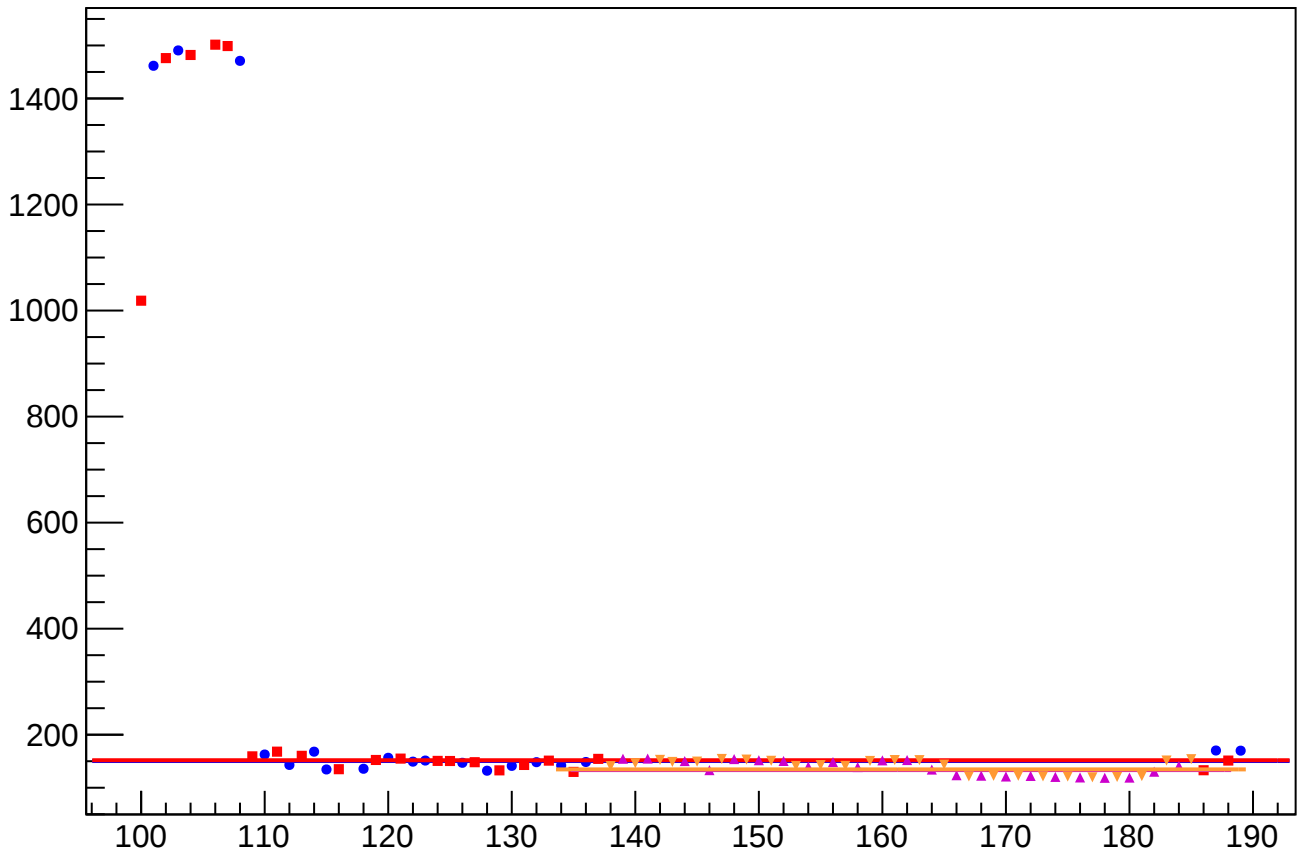
Left In: 0.490+/-0.000 χ^2/NDF :1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 45386833.1/43

All: 0.011+/-0.000 χ^2/NDF : 90043732.3/87

- sign 0.010+/-0.000 χ^2/NDF : 44655317.1/43

yield_bcm0l02_mean vs Slug



Right In: 150.387+/-0.000 χ^2/NDF : 24782910683.2/18

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 151.849+/-0.000 χ^2/NDF : 33959840703.3/20

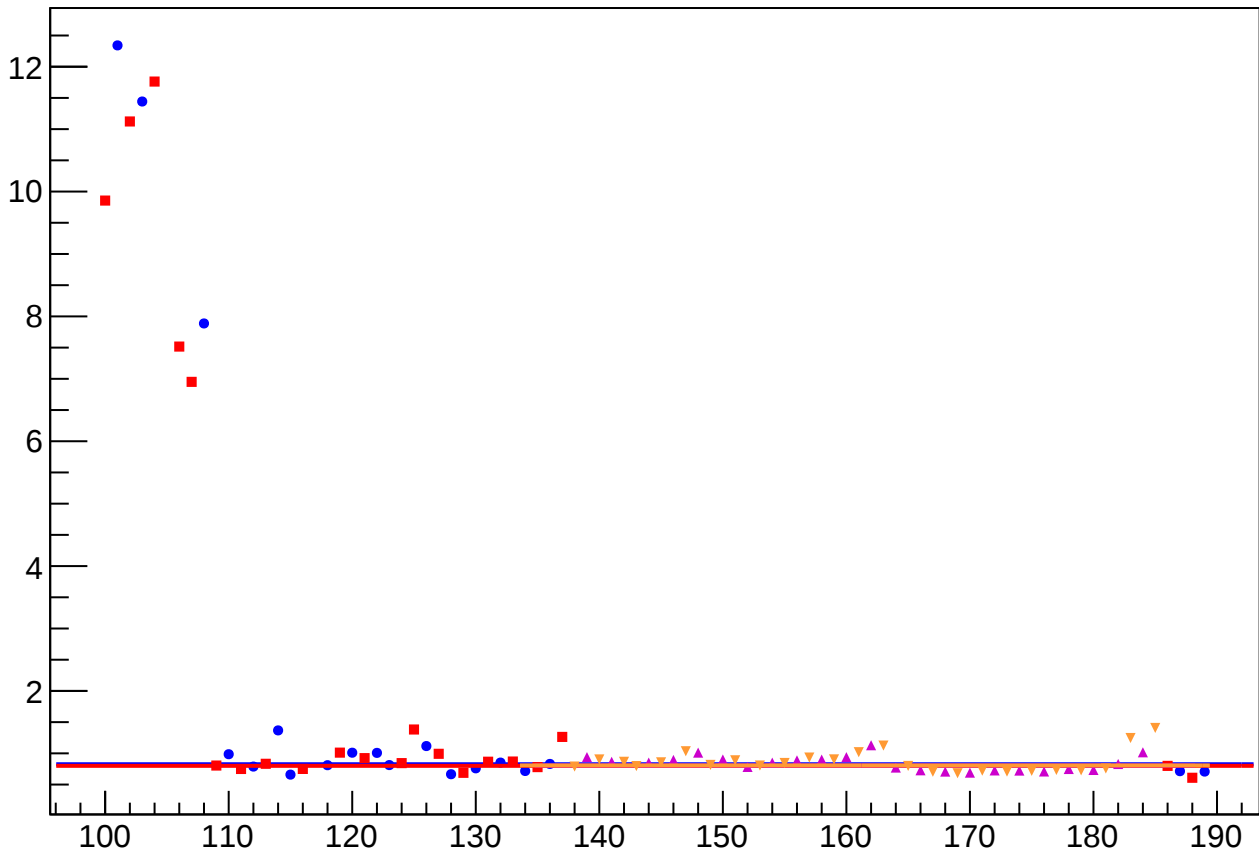
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 137.859+/-0.000 χ^2/NDF : 30398662735.3/43

All: 137.944+/-0.000 χ^2/NDF : 70719187085.3/43

- sign 138.027+/-0.000 χ^2/NDF : 40320095701.9/43

yield_bcm0l02_rms vs Slug



Right In: 0.825 ± 0.000 χ^2/NDF : 2698224.9/18

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.800 ± 0.000 χ^2/NDF : 3044023.0/20

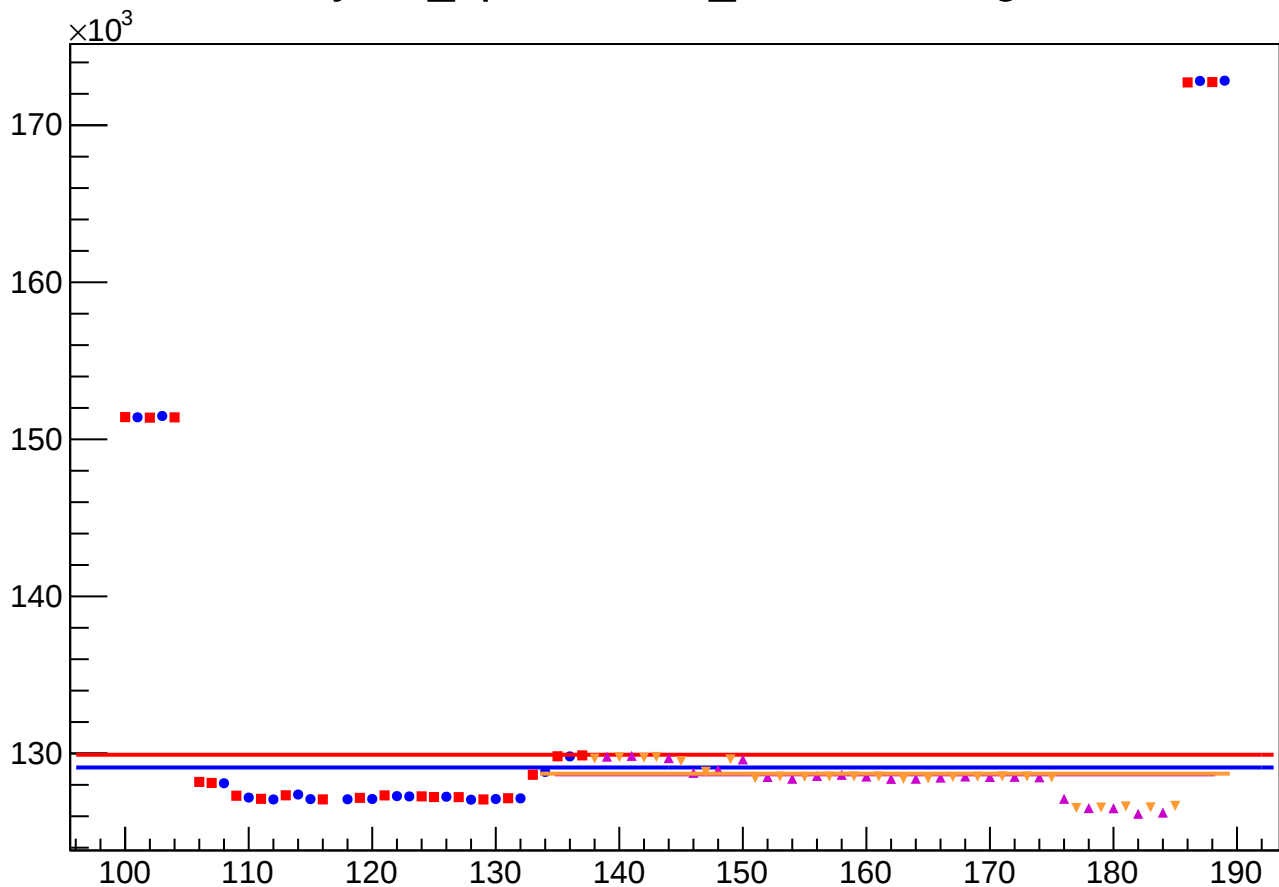
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.811 ± 0.000 χ^2/NDF : 3405867.5/43

All: 0.807 ± 0.000 χ^2/NDF : 6931367.8/87

- sign 0.803 ± 0.000 χ^2/NDF : 3523945.4/43

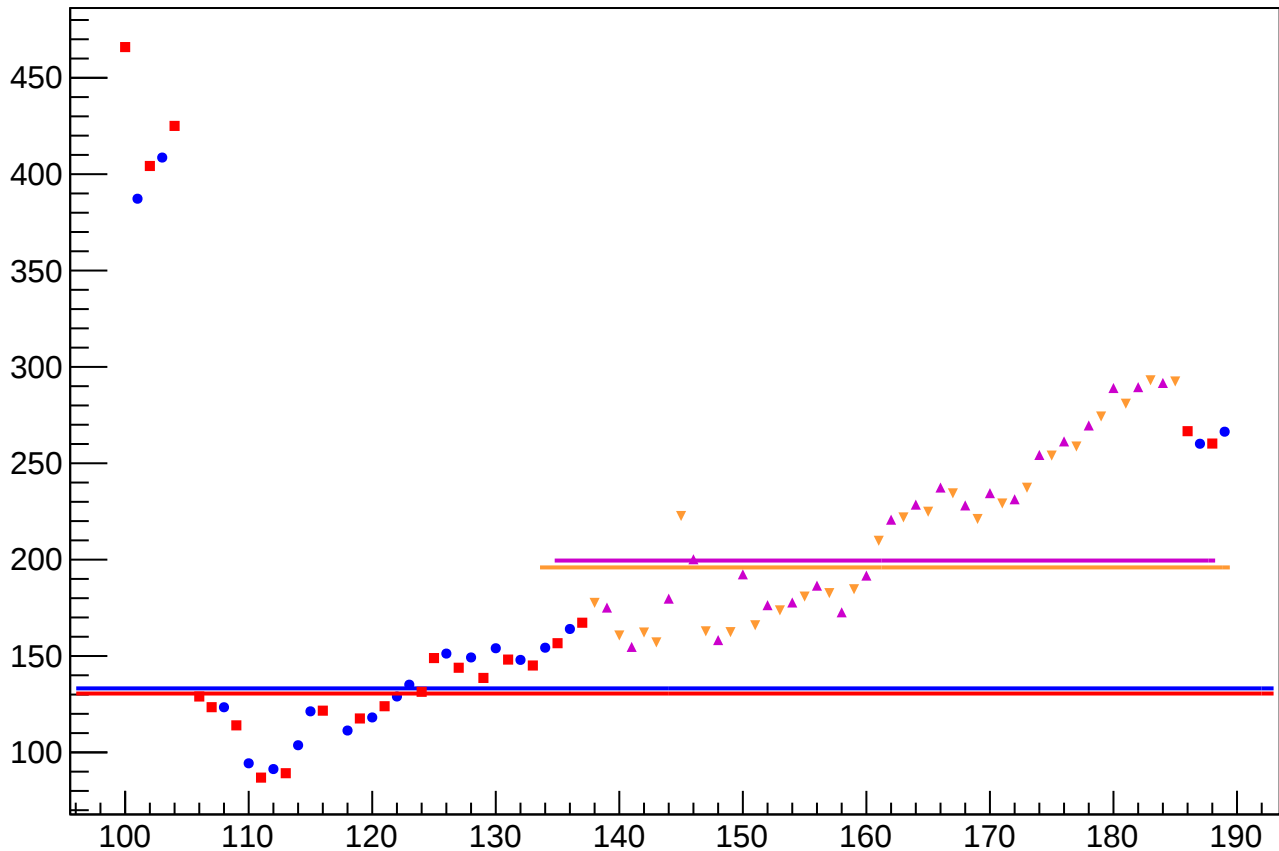
yield_bpm2i01WS_mean vs Slug



Right In: 129105.693 ± 0.054 $\chi^2/\text{NDF}: 20521182336.8/18$
 Left Out: 128713.791 ± 0.047 $\chi^2/\text{NDF}: 348293942.5/24$
 Right Out: 129918.673 ± 0.049 $\chi^2/\text{NDF}: 38913353389.2/20$
 Left In: 128670.094 ± 0.049 $\chi^2/\text{NDF}: 334875494.0/22$

+ sign 128881.387 ± 0.035 $\chi^2/\text{NDF}: 20899655484.0/18$
 - sign 129289.061 ± 0.035 $\chi^2/\text{NDF}: 39572302436.3/18$
 All: 129088.814 ± 0.025 $\chi^2/\text{NDF}: 605398440.0/38$

yield_bpm2i01WS_rms vs Slug



Right In: 133.203 $\pm$ 0.038 χ^2/NDF : 1777332.4/18

Left Out: 195.964 $\pm$ 0.033 χ^2/NDF : 1316091.7/24

Right Out: 130.536 $\pm$ 0.035 χ^2/NDF : 2189579.4/20

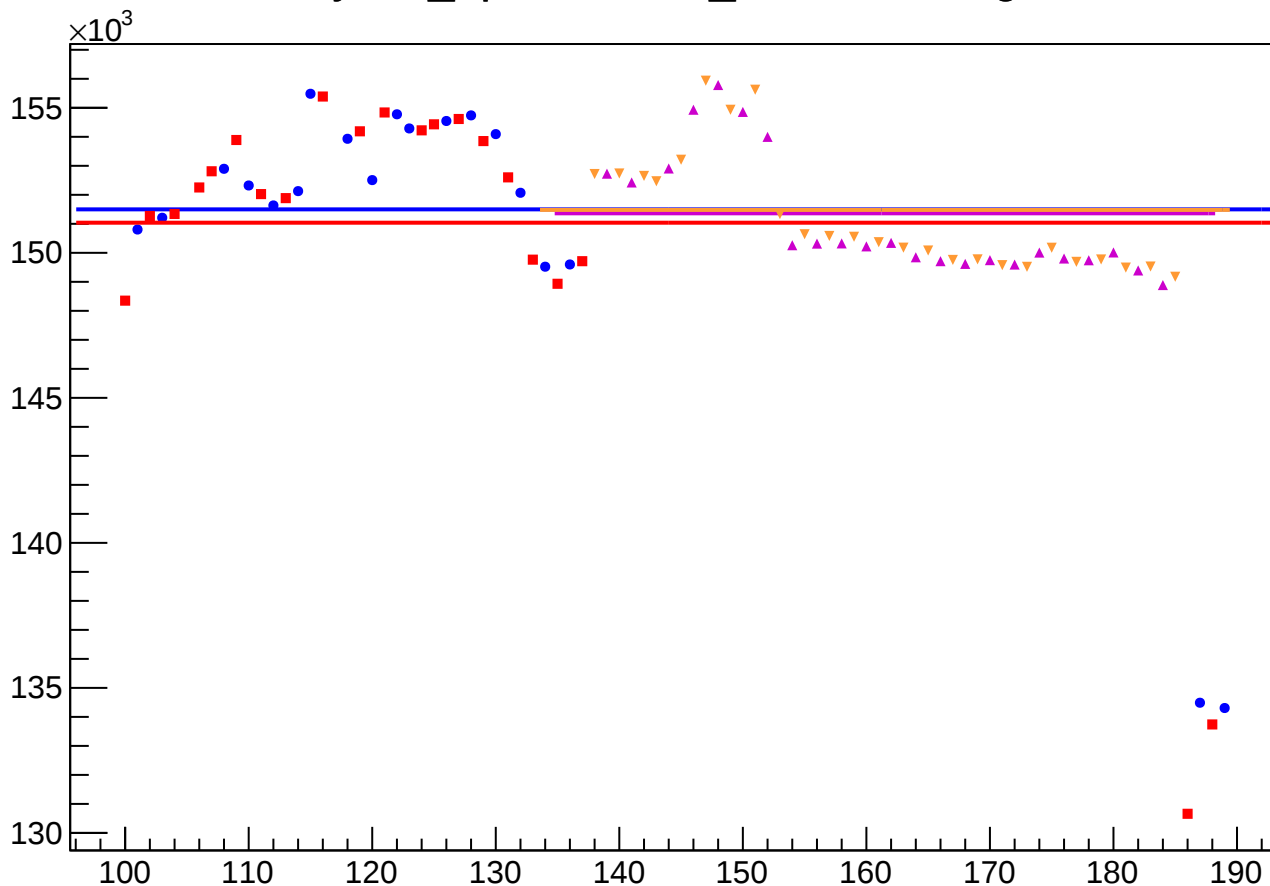
Left In: 199.531 $\pm$ 0.035 χ^2/NDF : 1175342.5/22

+ sign 169.124 $\pm$ 0.025 χ^2/NDF : 4641397.7/43

All: 167.193 $\pm$ 0.017 χ^2/NDF : 9997252.5/87

- sign 165.328 $\pm$ 0.025 χ^2/NDF : 5344079.7/43

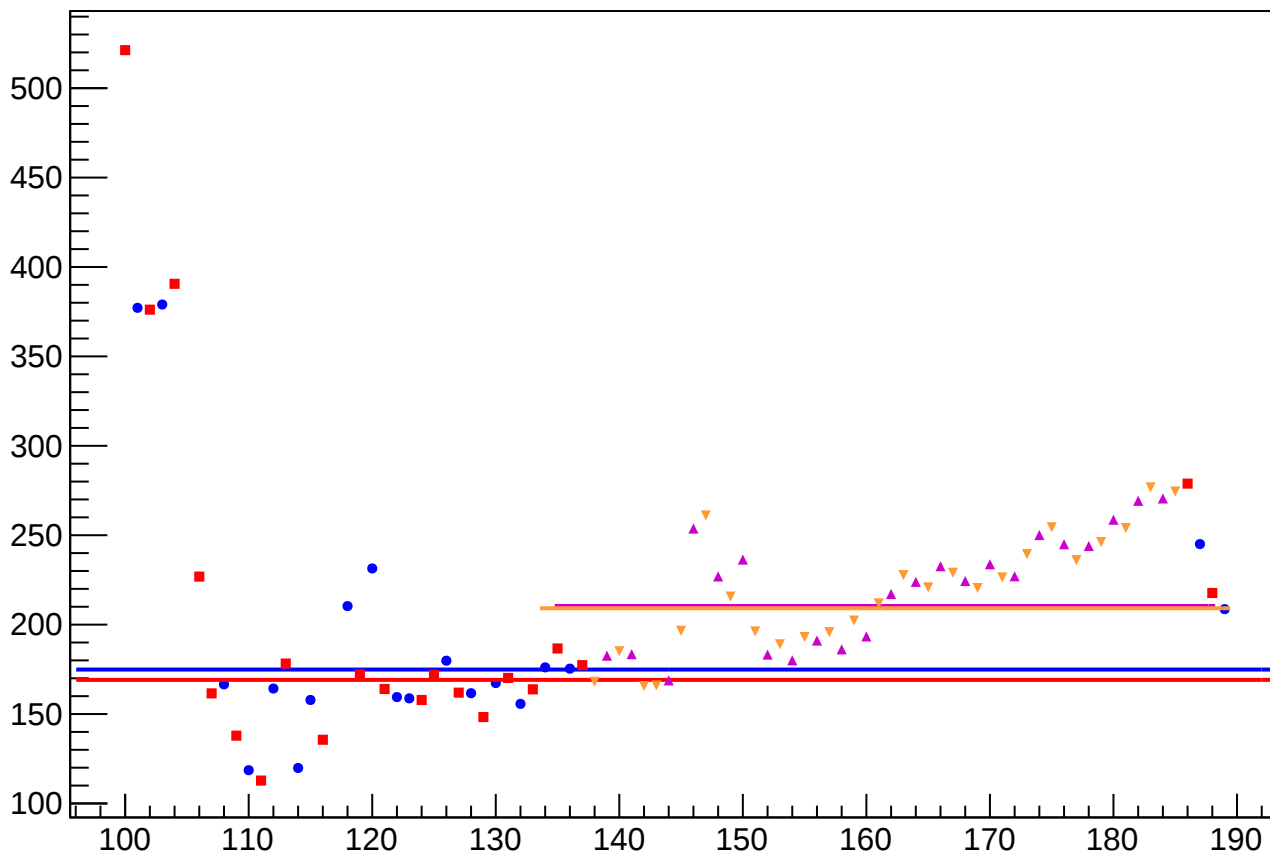
yield_bpm0i07WS_mean vs Slug



Right In: 151498.609 $\pm$ 0.070 χ^2 /NDF: 4474378786.9/18
 Left Out: 151480.339 $\pm$ 0.049 χ^2 /NDF: 1483692735.3/24
 Right Out: 151038.585 $\pm$ 0.063 χ^2 /NDF: 9024354048.7/20
 Left In: 151362.440 $\pm$ 0.051 χ^2 /NDF: 1426782789.9/22

+ sign 151486.407 $\pm$ 0.040 χ^2 /NDF: 5958116820.2
 All: 151357.972 $\pm$ 0.028 χ^2 /NDF: 164449925
 - sign 151233.738 $\pm$ 0.040 χ^2 /NDF: 10467022400.0

yield_bpm0i07WS_rms vs Slug



Right In: 174.881 $\pm$ 0.050 χ^2 /NDF: 974519.3/18

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 169.118 $\pm$ 0.045 χ^2 /NDF: 1253674.1/20

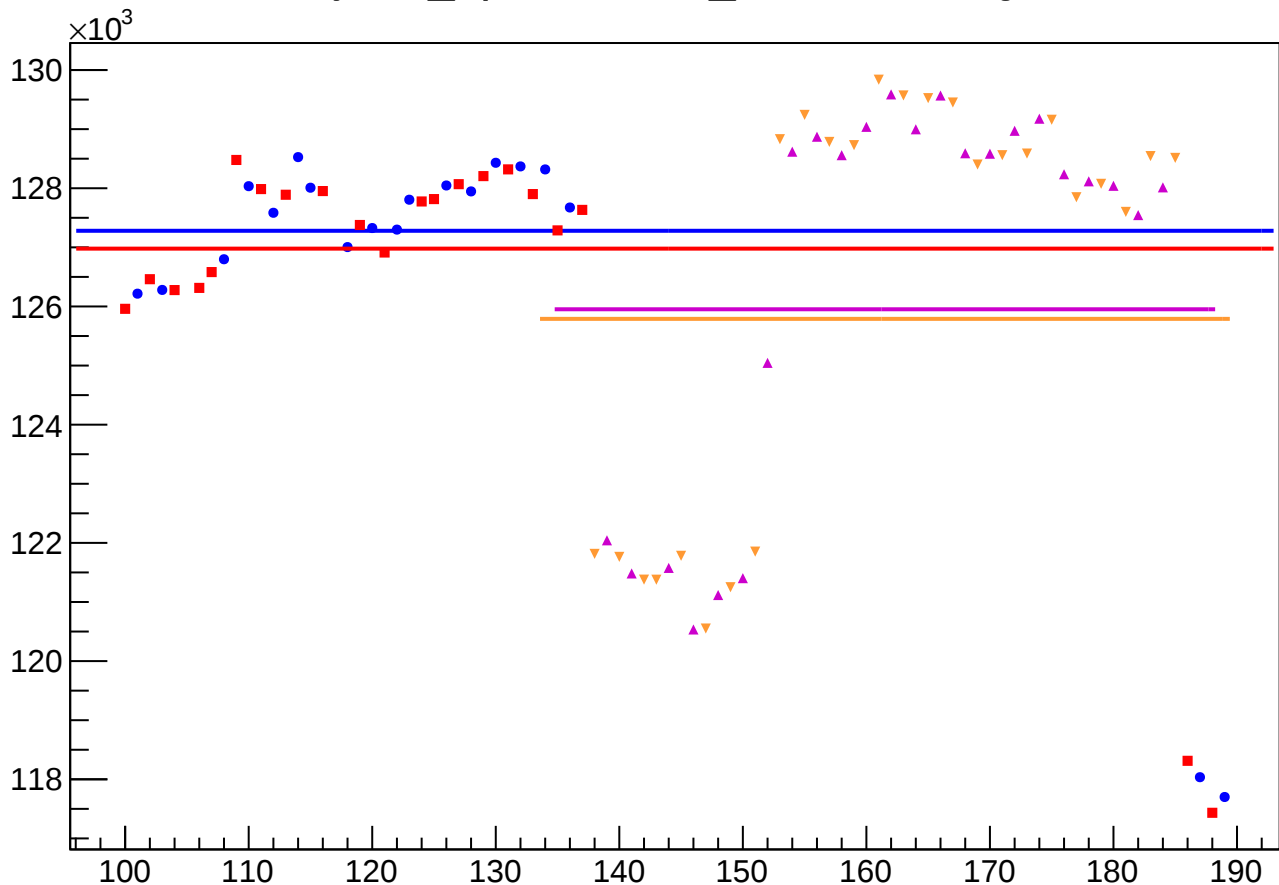
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 197.772 $\pm$ 0.029 χ^2 /NDF: 2003467.0/43

All: 195.861 $\pm$ 0.020 χ^2 /NDF: 4466959.0/87

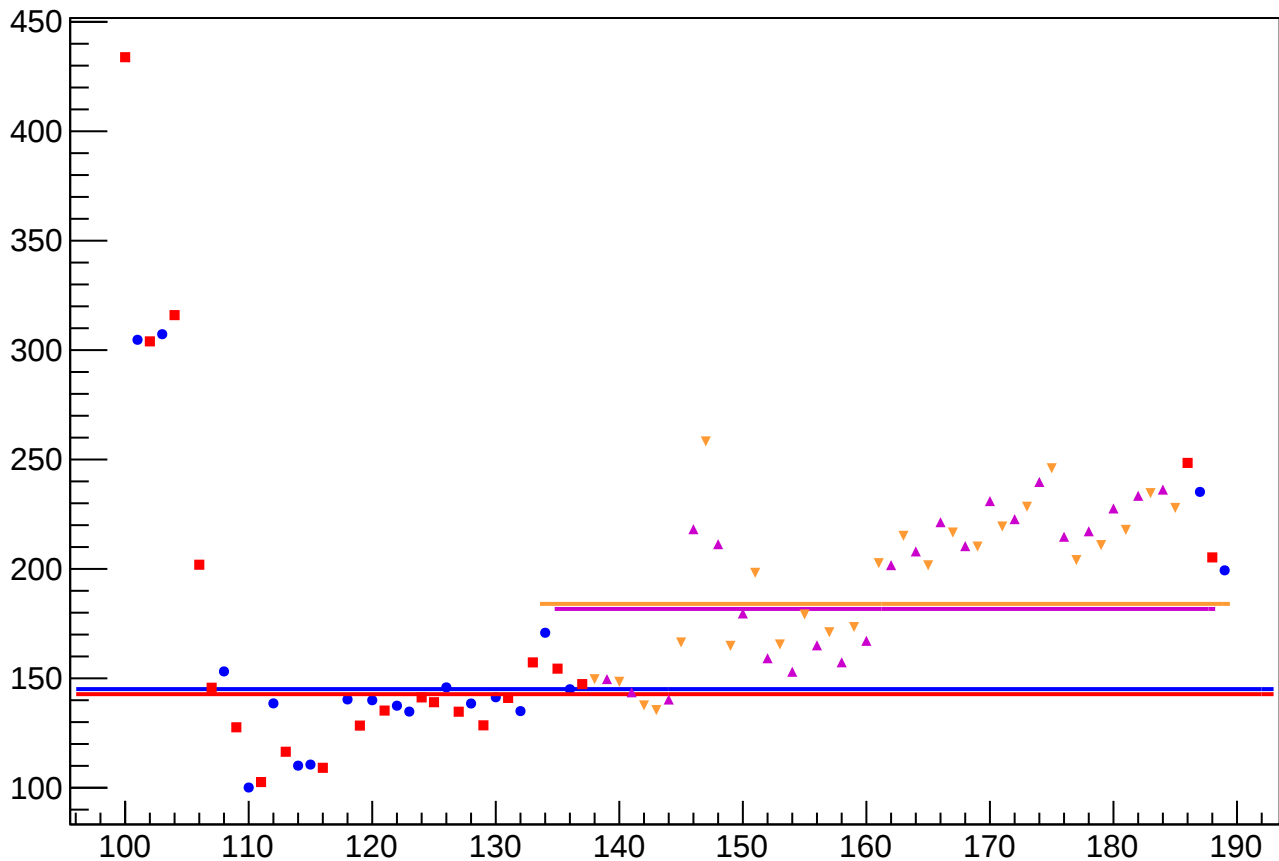
- sign 194.013 $\pm$ 0.028 χ^2 /NDF: 2454704.0/43

yield_bpm0l01WS_mean vs Slug



Right In: 127280.321 ± 0.057	$\chi^2/\text{NDF}: 1366376025.4/18$	+ sign 126344.503 ± 0.035	$\chi^2/\text{NDF}: 8538161692.5$
Left Out: 125790.126 ± 0.044	$\chi^2/\text{NDF}: 6744310079.8/24$	All: 126364.352 ± 0.024	$\chi^2/\text{NDF}: 172492374$
Right Out: 126978.331 ± 0.052	$\chi^2/\text{NDF}: 2647070360.5/20$	- sign 126383.275 ± 0.034	$\chi^2/\text{NDF}: 8710441629.1$
Left In: 125952.447 ± 0.045	$\chi^2/\text{NDF}: 5841800367.5/22$		

yield_bpm0l01WS_rms vs Slug



Right In: 145.084 $\pm$ 0.040 χ^2 /NDF: 946955.7/18

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF: 1126592.5/24

Right Out: 142.767 $\pm$ 0.037 χ^2 /NDF: 1277932.1/20

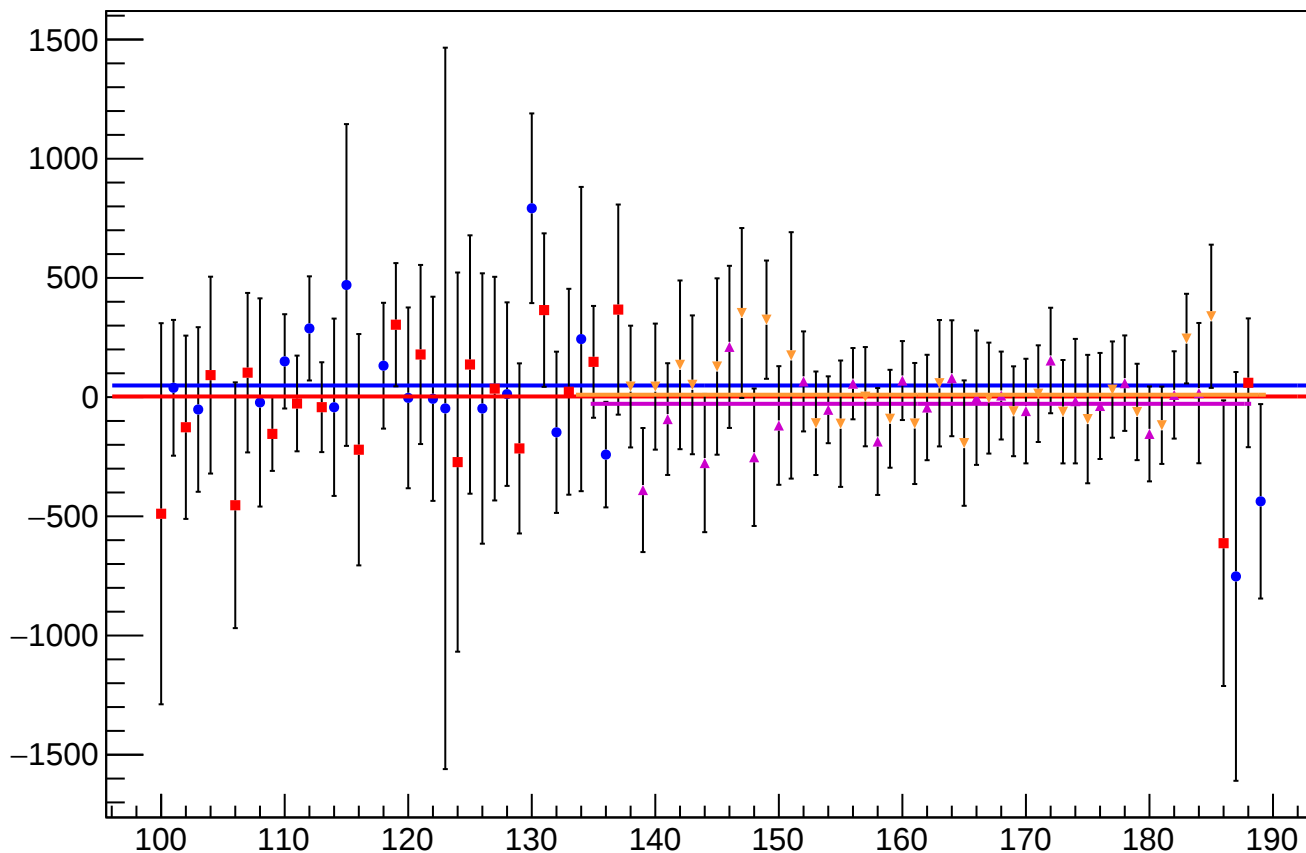
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 169.541 $\pm$ 0.025 χ^2 /NDF: 2657472.6/43

All: 167.400 $\pm$ 0.017 χ^2 /NDF: 5705007.1/87

- sign 165.358 $\pm$ 0.024 χ^2 /NDF: 3032770.8/43

asym_bcm_an_ds_mean vs Slug



Right In: 48.848+/-78.019 χ^2/NDF : 10.1/18

Left Out: 10.078+/-47.488 χ^2/NDF : 8.5/24

Right Out: 2.763+/-67.430 χ^2/NDF : 8.3/20

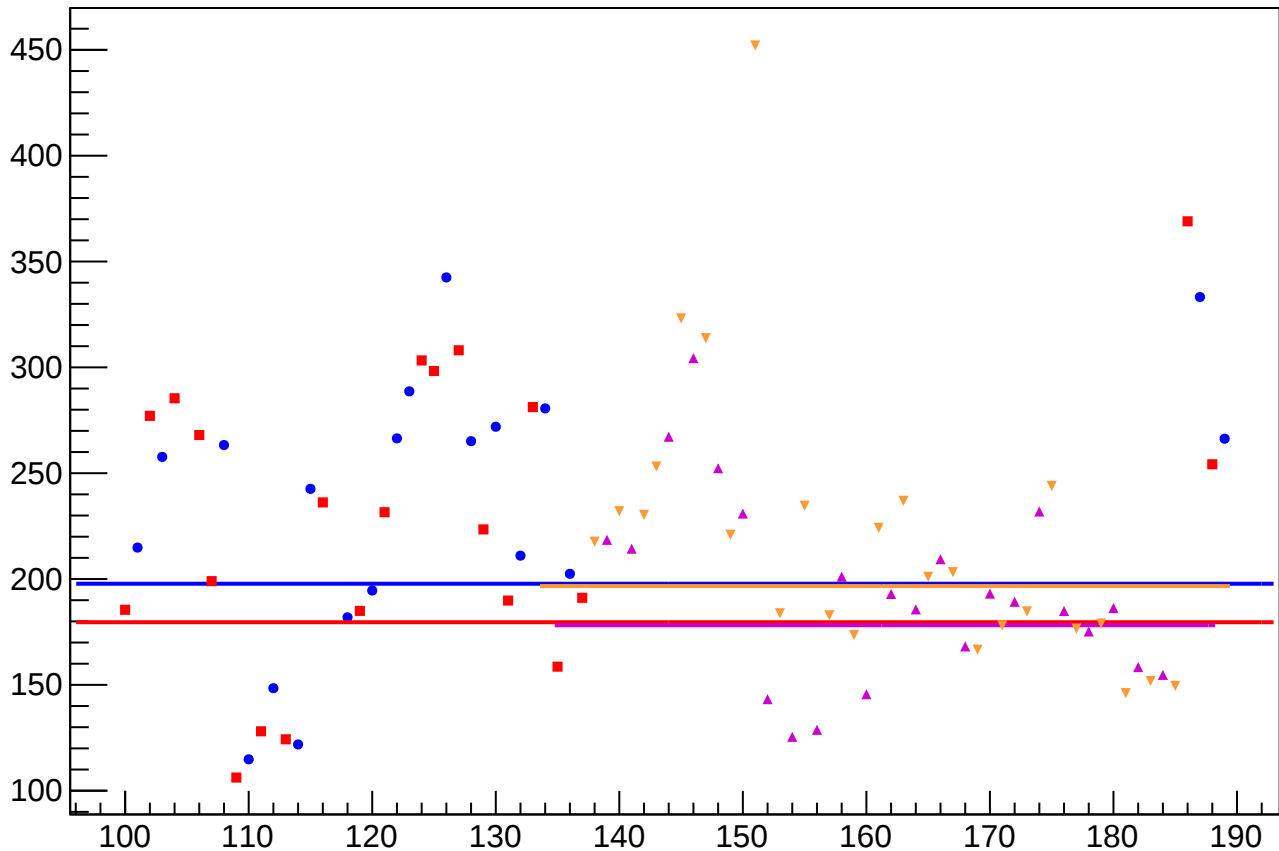
Left In: -28.050+/-44.573 χ^2/NDF : 7.0/22

+ sign 20.559+/-40.565 χ^2/NDF : 18.8/43

All: -0.764+/-27.410 χ^2/NDF : 34.7/87

- sign -18.680+/-37.183 χ^2/NDF : 15.4/43

asym_bcm_an_ds_rms vs Slug



Right In: 197.781 $\pm$ 0.055 χ^2 /NDF: 1129770.3/18

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 179.602 $\pm$ 0.048 χ^2 /NDF: 1950669.8/20

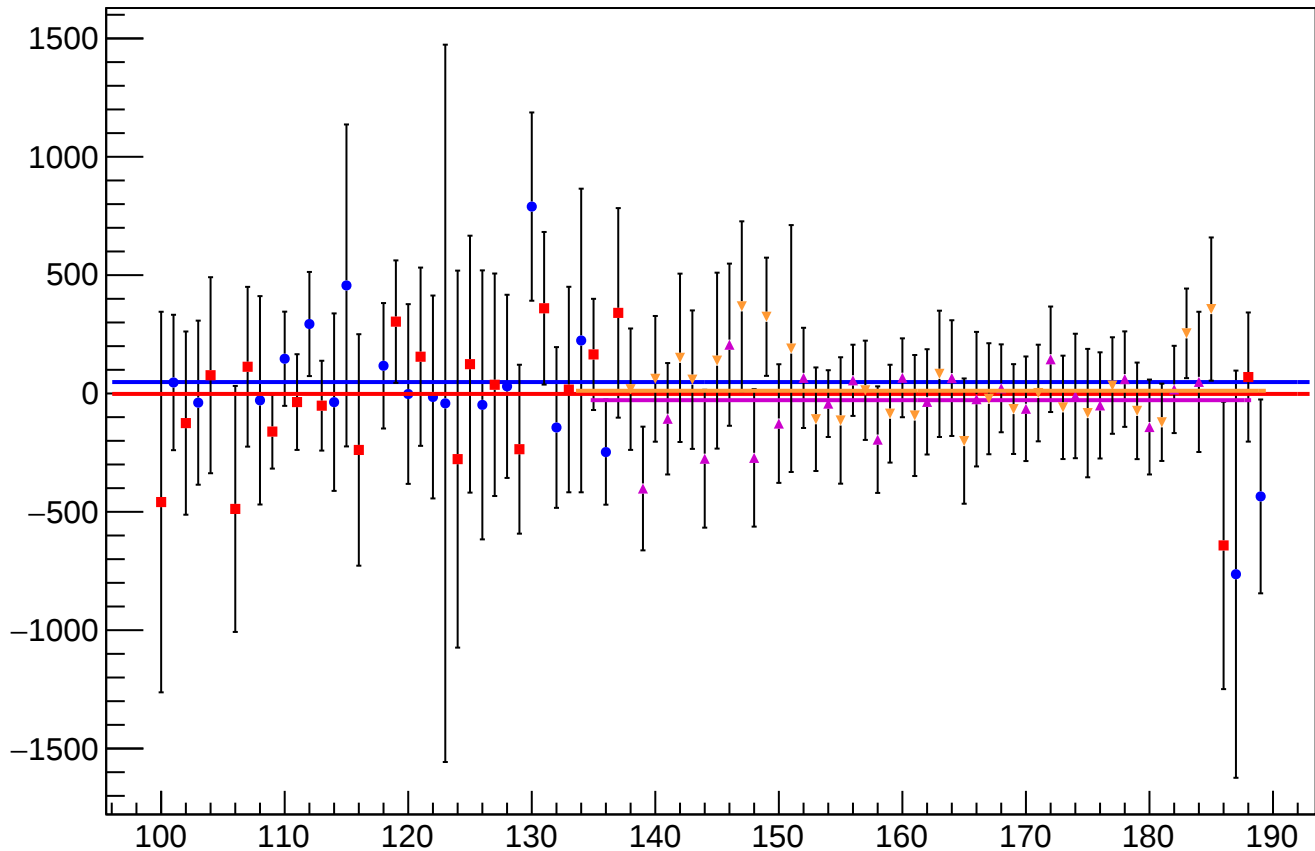
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 196.979 $\pm$ 0.029 χ^2 /NDF: 2912775.6/43

All: 186.993 $\pm$ 0.019 χ^2 /NDF: 6706085.0/87

- sign 178.602 $\pm$ 0.026 χ^2 /NDF: 3570269.0/43

asym_bcm_an_ds3_mean vs Slug



Right In: 48.272 ± 78.397 χ^2/NDF : 10.1/18

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: -1.831 ± 67.812 χ^2/NDF : 8.5/20

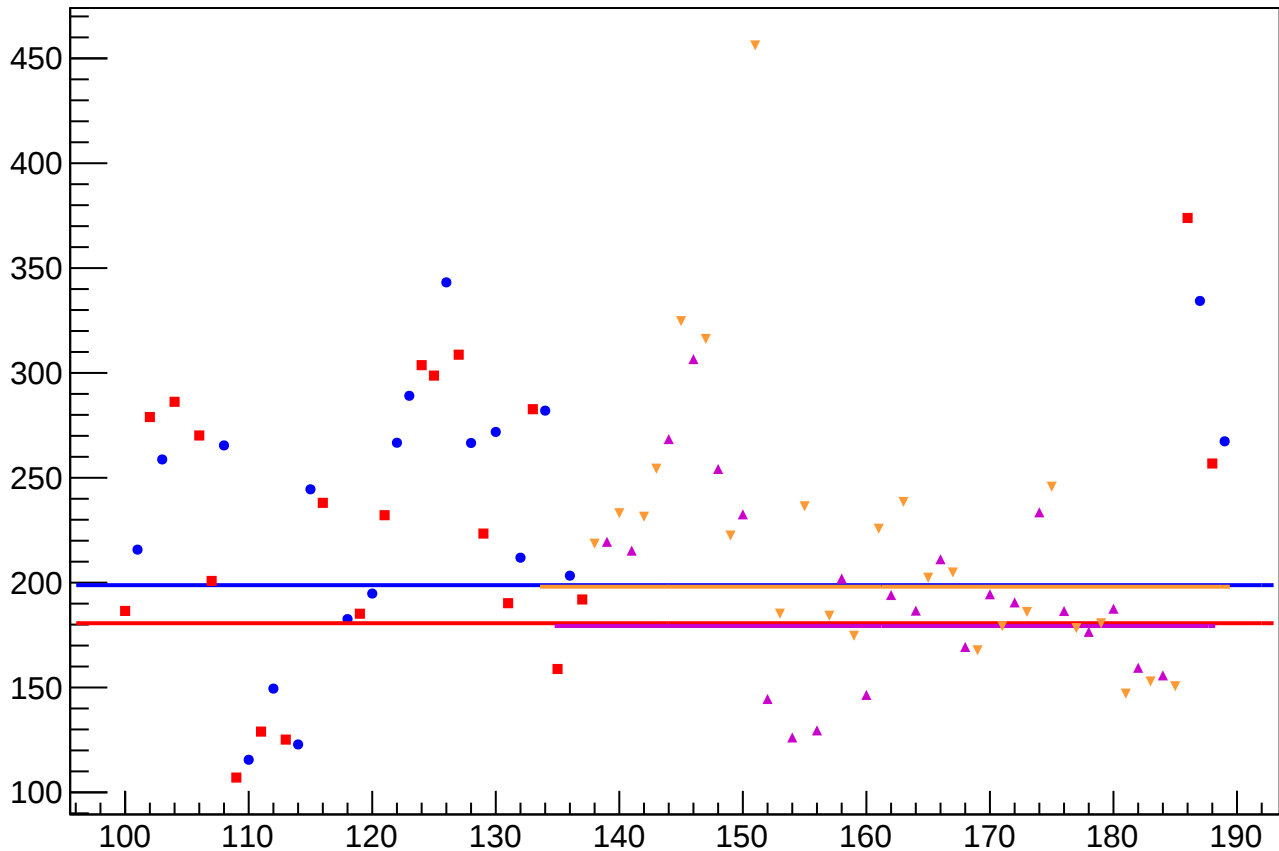
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign 21.456 ± 40.824 χ^2/NDF : 19.1/43

All: -1.198 ± 27.583 χ^2/NDF : 35.4/87

- sign -20.228 ± 37.416 χ^2/NDF : 15.7/43

asym_bcm_an_ds3_rms vs Slug



Right In: 198.802 $\pm$ 0.055 χ^2 /NDF: 1120602.6/18

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF: 1778526.5/24

Right Out: 180.661 $\pm$ 0.048 χ^2 /NDF: 1944653.8/20

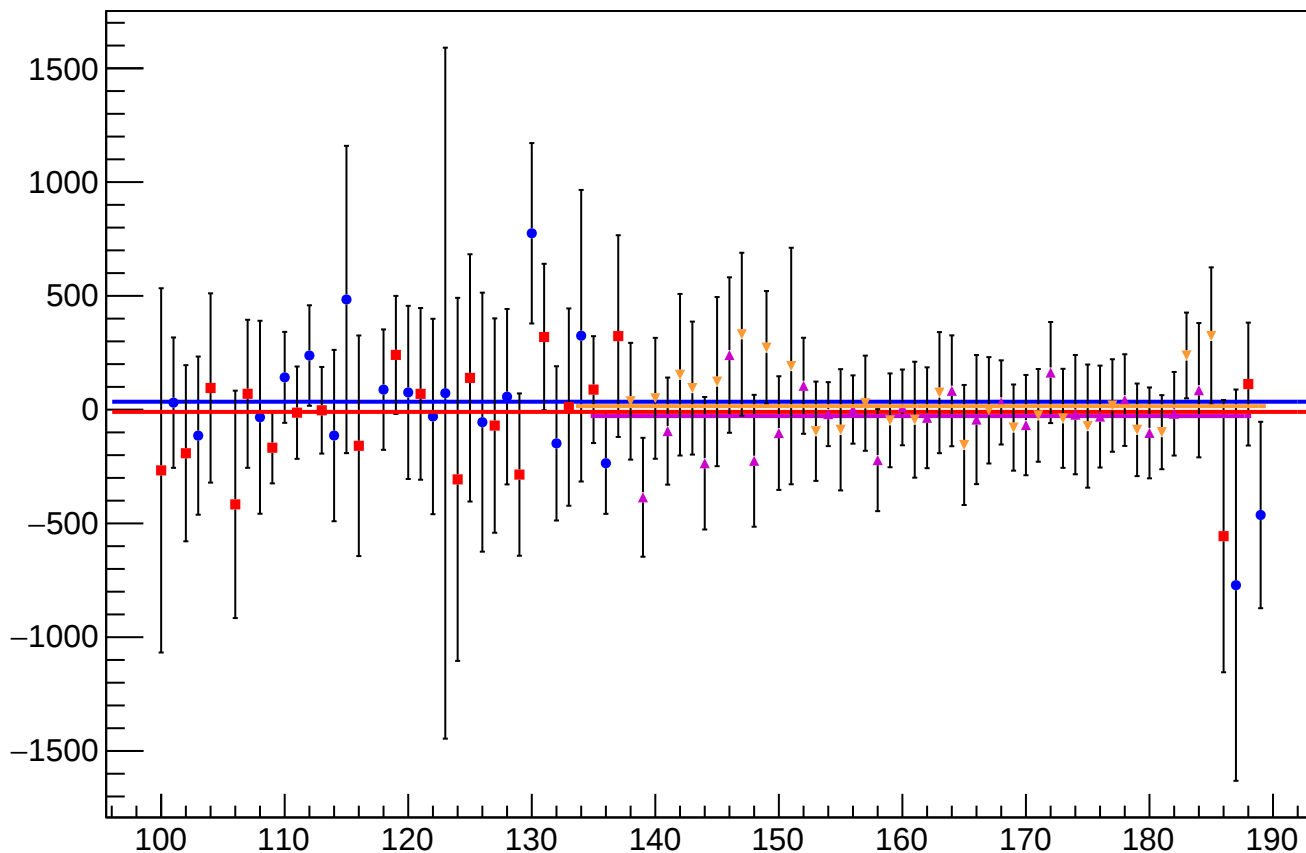
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF: 1618266.2/22

+ sign 198.260 $\pm$ 0.029 χ^2 /NDF: 2899260.1/43

All: 188.190 $\pm$ 0.020 χ^2 /NDF: 6686649.8/87

- sign 179.731 $\pm$ 0.026 χ^2 /NDF: 3563460.8/43

asym_bcm_an_us_mean vs Slug



Right In: 34.817 ± 78.393 χ^2/NDF : 9.9/18

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: -9.923 ± 67.686 χ^2/NDF : 6.8/20

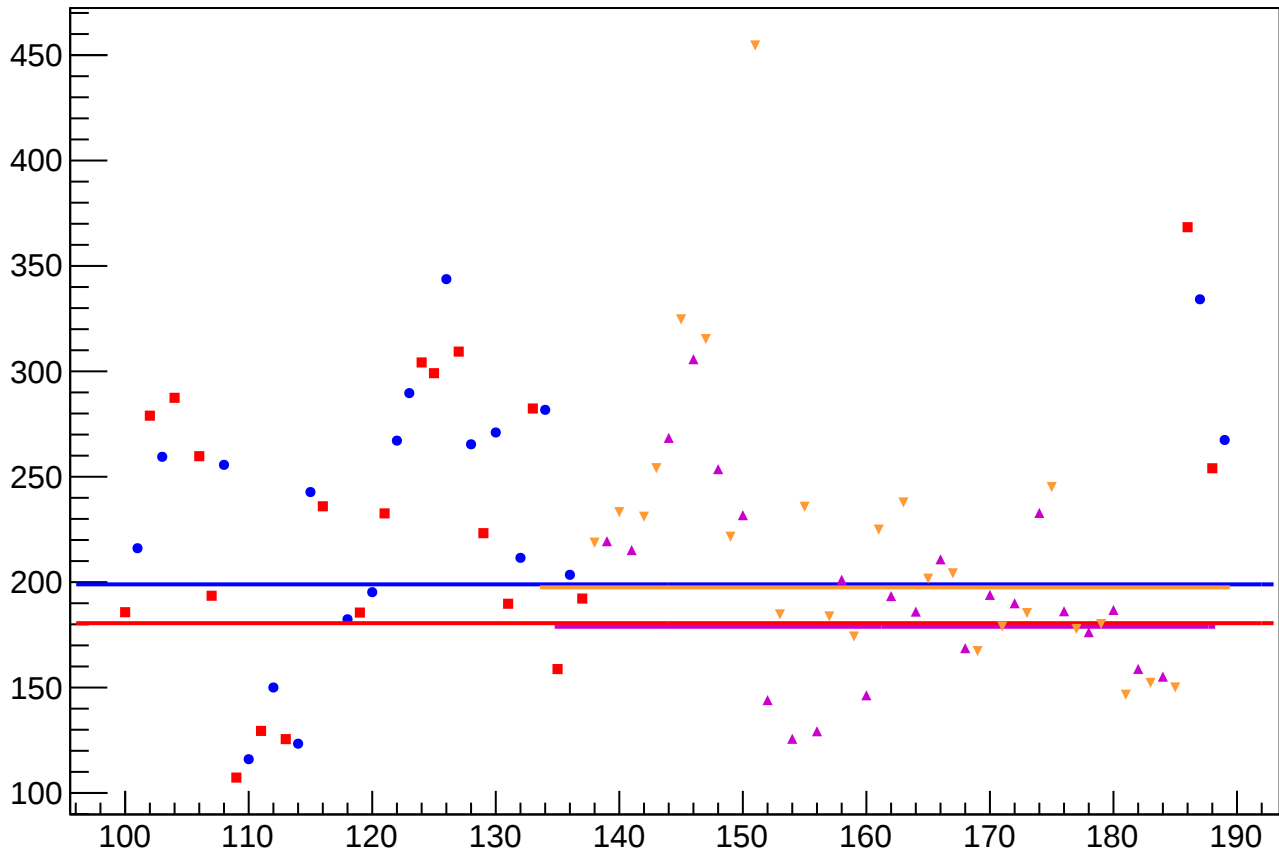
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign 20.673 ± 40.746 χ^2/NDF : 16.9/43

All: -2.908 ± 27.523 χ^2/NDF : 30.7/87

- sign -22.696 ± 37.325 χ^2/NDF : 13.2/43

asym_bcm_an_us_rms vs Slug



Right In: 198.960 $\pm$ 0.055 χ^2 /NDF: 1098169.6/18

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 180.545 $\pm$ 0.048 χ^2 /NDF: 1907986.2/20

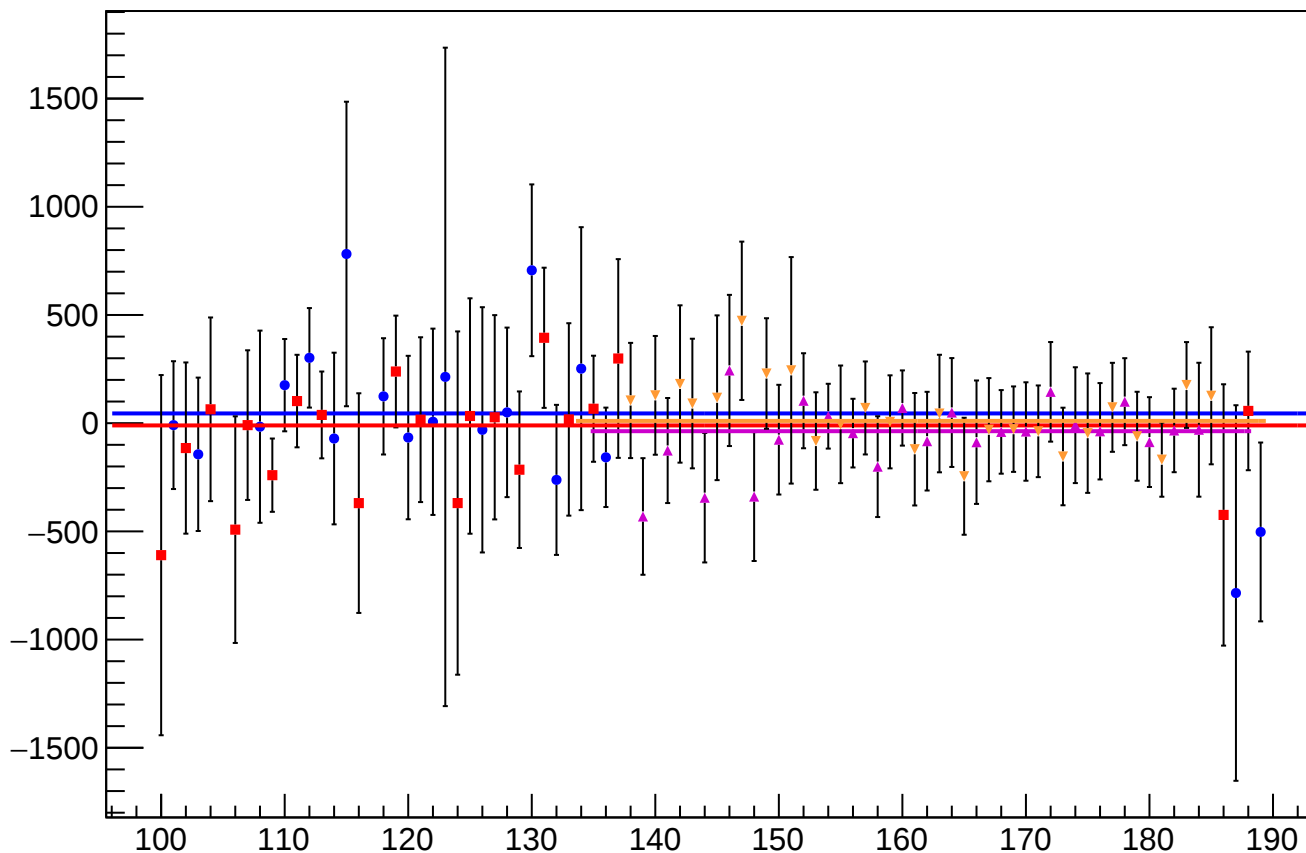
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 197.914 $\pm$ 0.029 χ^2 /NDF: 2882882.6/43

All: 187.823 $\pm$ 0.019 χ^2 /NDF: 6639624.5/87

- sign 179.356 $\pm$ 0.026 χ^2 /NDF: 3531141.2/43

asym_bcm_dg_us_mean vs Slug



Right In: 45.039 $\pm$ 80.779 χ^2 /NDF: 10.5/18

Left Out: 10.534 $\pm$ 49.197 χ^2 /NDF: 7.5/24

Right Out: -10.360 $\pm$ 70.376 χ^2 /NDF: 8.3/20

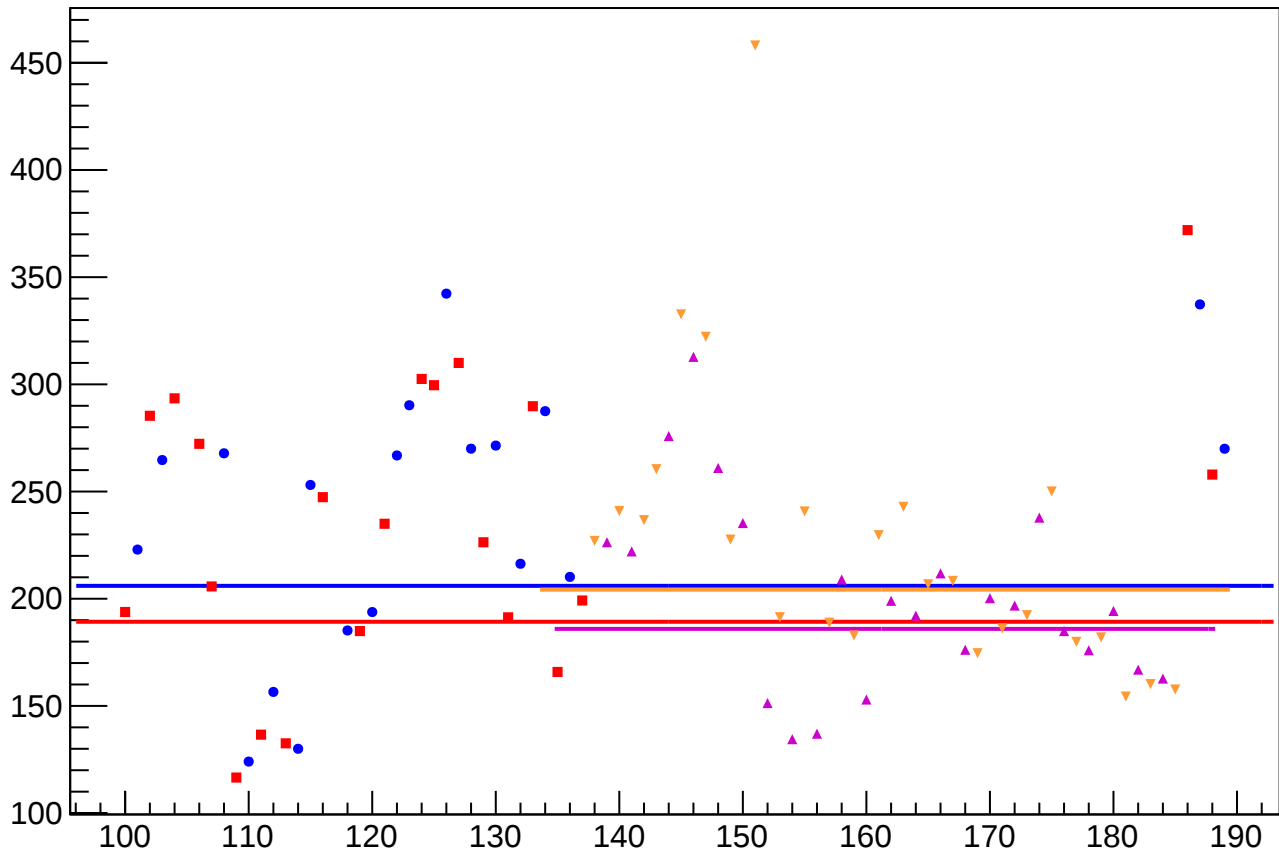
Left In: -37.000 $\pm$ 46.358 χ^2 /NDF: 7.9/22

+ sign 19.870 $\pm$ 42.017 χ^2 /NDF: 18.1/43

All: -6.529 $\pm$ 28.471 χ^2 /NDF: 35.0/87

- sign -28.938 $\pm$ 38.713 χ^2 /NDF: 16.2/43

asym_bcm_dg_us_rms vs Slug



Right In: 206.009 $\pm$ 0.057 χ^2 /NDF: 981550.6/18

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 189.255 $\pm$ 0.050 χ^2 /NDF: 1703661.9/20

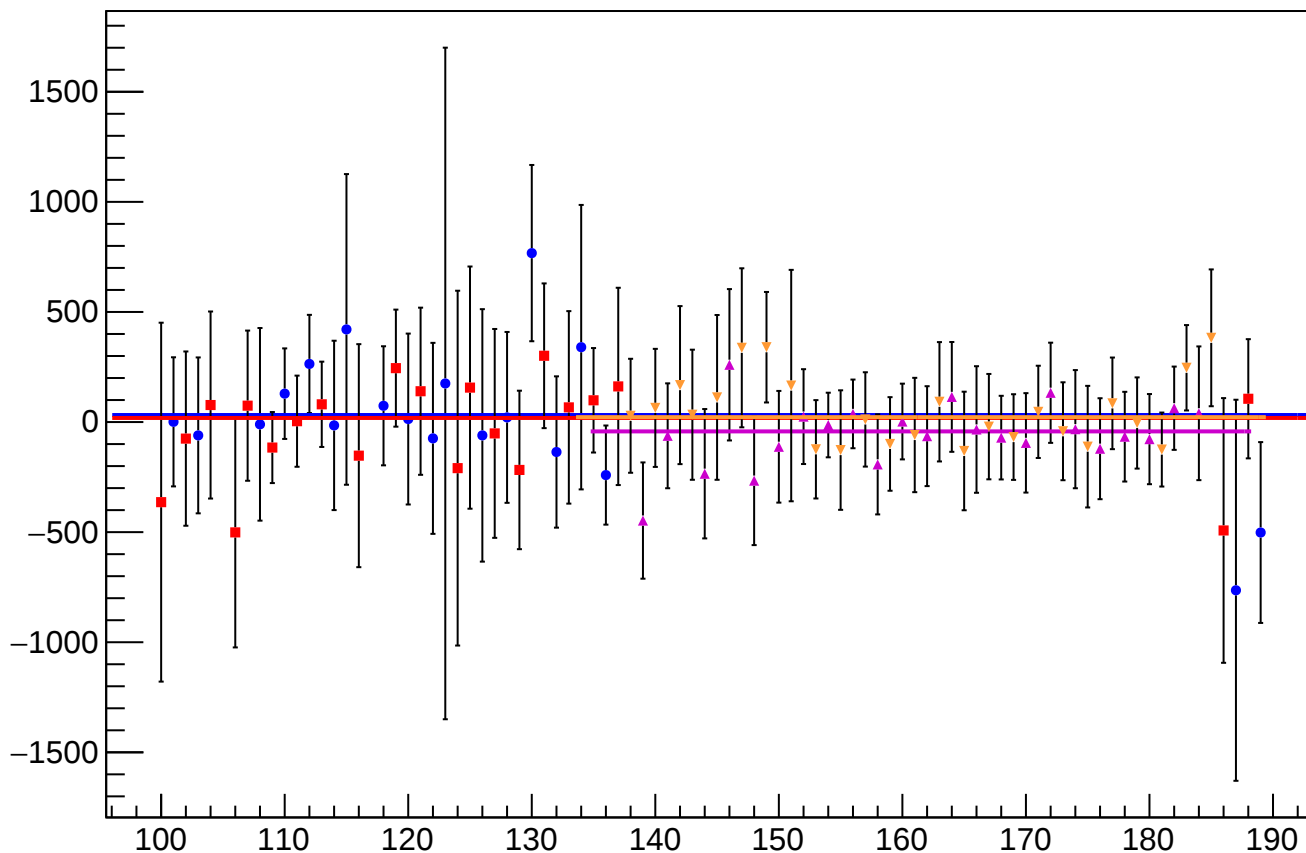
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 204.716 $\pm$ 0.030 χ^2 /NDF: 2657919.5/43

All: 195.100 $\pm$ 0.020 χ^2 /NDF: 6018419.0/87

- sign 186.937 $\pm$ 0.027 χ^2 /NDF: 3166837.4/43

asym_bcm_dg_ds_mean vs Slug



Right In: 31.927 ± 79.749 χ^2/NDF : 9.7/18

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 18.586 ± 69.043 χ^2/NDF : 5.4/20

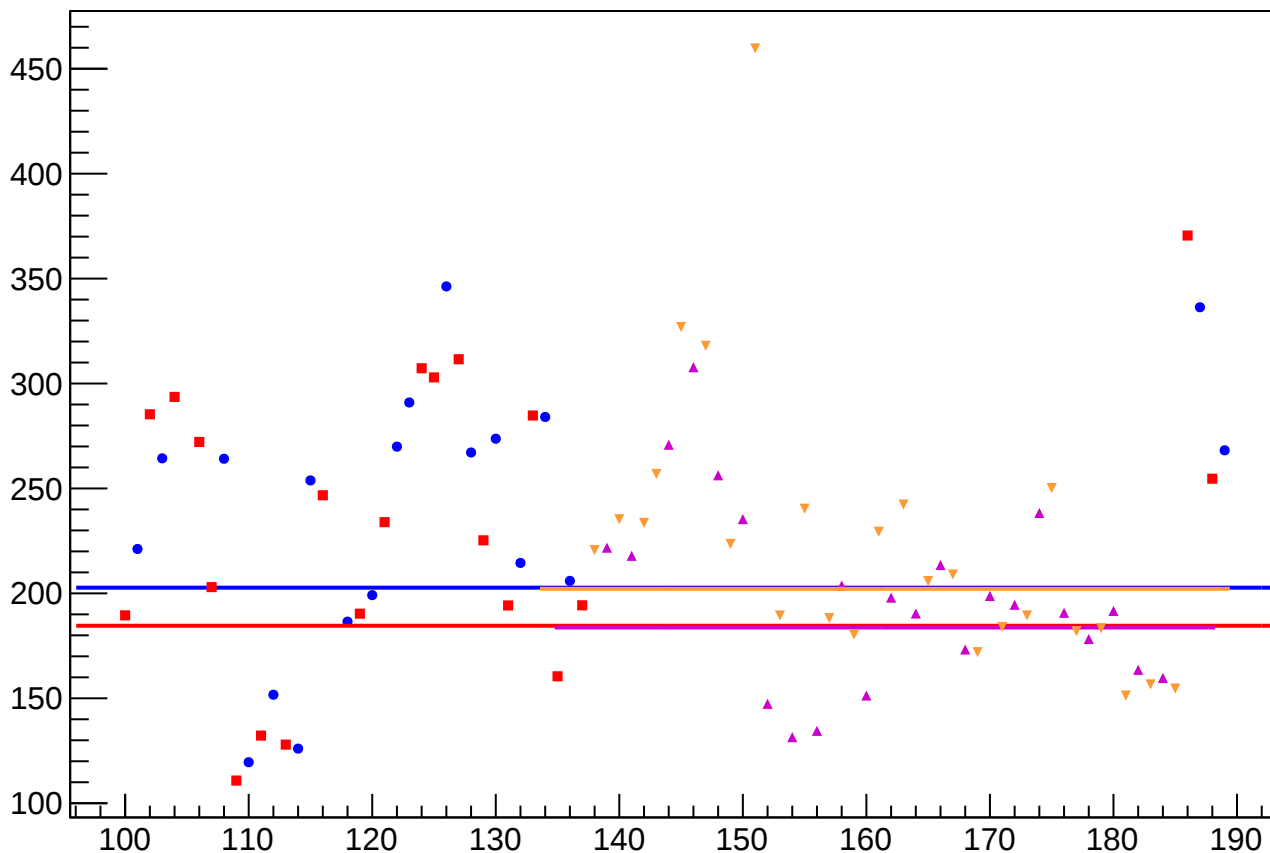
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign 24.837 ± 41.587 χ^2/NDF : 18.1/43

All: -1.521 ± 28.133 χ^2/NDF : 31.5/87

- sign -23.762 ± 38.201 χ^2/NDF : 12.7/43

asym_bcm_dg_ds_rms vs Slug



Right In: 202.721+/-0.056 χ^2/NDF : 1068562.9/18

Left Out: 202.186+/-0.034 χ^2/NDF : 1696571.9/24

Right Out: 184.569+/-0.049 χ^2/NDF : 1867365.3/20

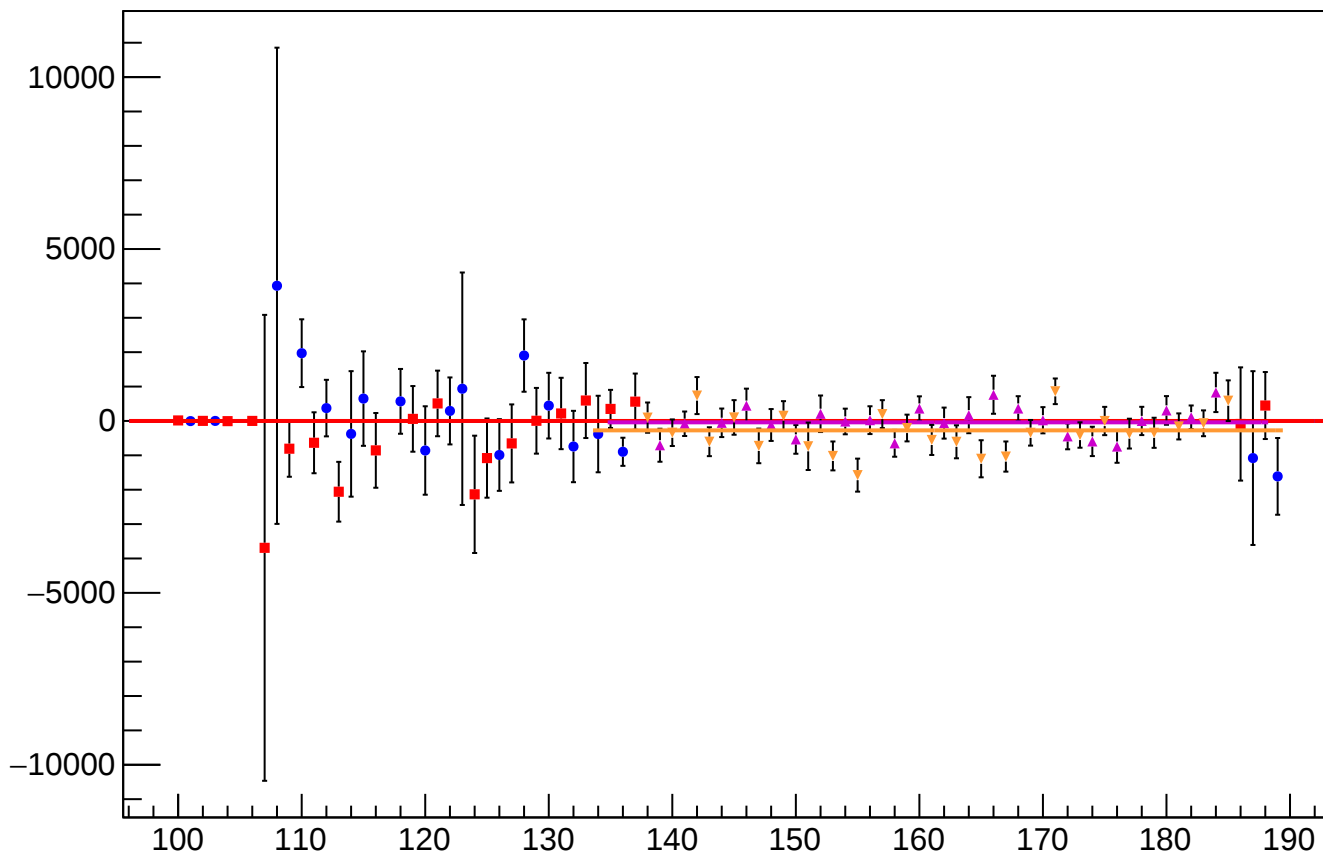
Left In: 183.732+/-0.032 χ^2/NDF : 1495930.4/22

+ sign 202.332+/-0.029 χ^2/NDF : 2765200.3/43

All: 192.383+/-0.020 χ^2/NDF : 6339734.5/87

- sign 183.988+/-0.027 χ^2/NDF : 3363499.6/43

asym_cav4bQ_mean vs Slug



Right In: -1.536 ± 2.251 χ^2/NDF : 19.2/18

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.729 ± 2.111 χ^2/NDF : 18.4/20

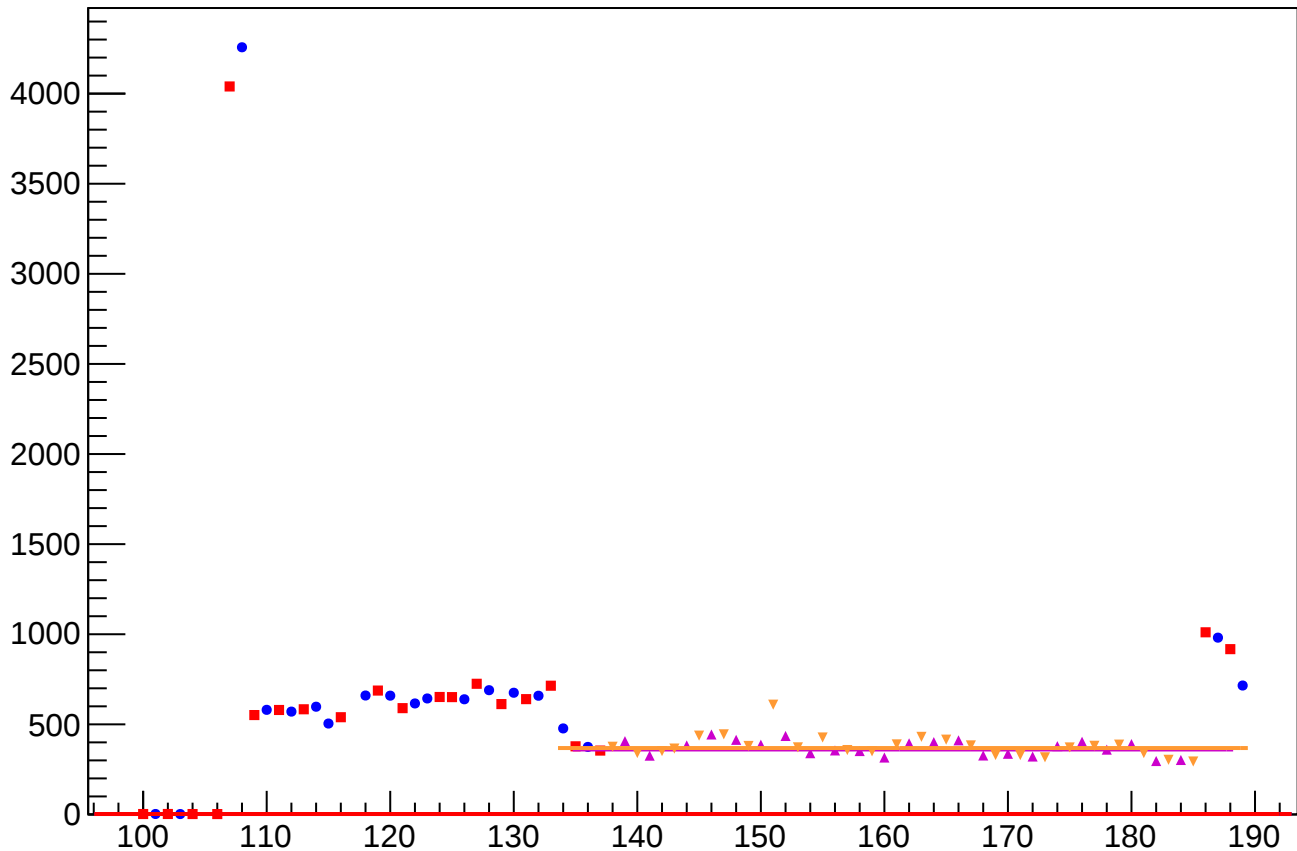
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.719 ± 2.251 χ^2/NDF : 67.3/43

All: -1.204 ± 1.540 χ^2/NDF : 106.2/87

- sign -0.752 ± 2.111 χ^2/NDF : 38.8/43

asym_cav4bQ_rms vs Slug



Right In: 2.460 $\pm$ 0.002 χ^2 /NDF: 11783286.9/18

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.442 $\pm$ 0.001 χ^2 /NDF: 13607644.6/20

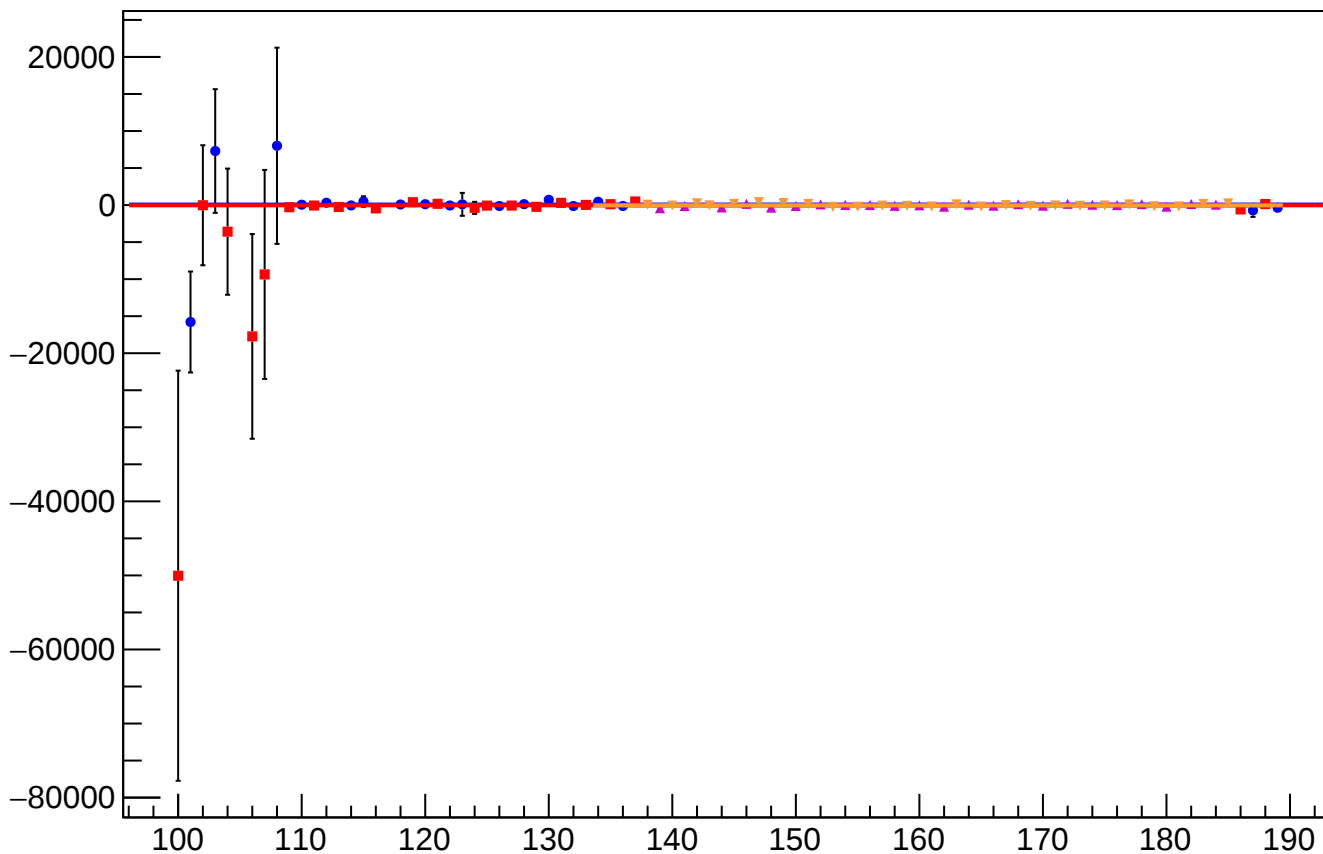
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.705 $\pm$ 0.002 χ^2 /NDF: 47892877.6/43

All: 2.676 $\pm$ 0.001 χ^2 /NDF: 95430333.8/87

- sign 2.651 $\pm$ 0.001 χ^2 /NDF: 47536836.2/43

asym_cav4cQ_mean vs Slug



Right In: 69.876+/-89.394 χ^2/NDF : 14.0/18

Left Out: -39.036+/-49.576 χ^2/NDF : 9.1/24

Right Out: -32.949+/-80.174 χ^2/NDF : 15.3/20

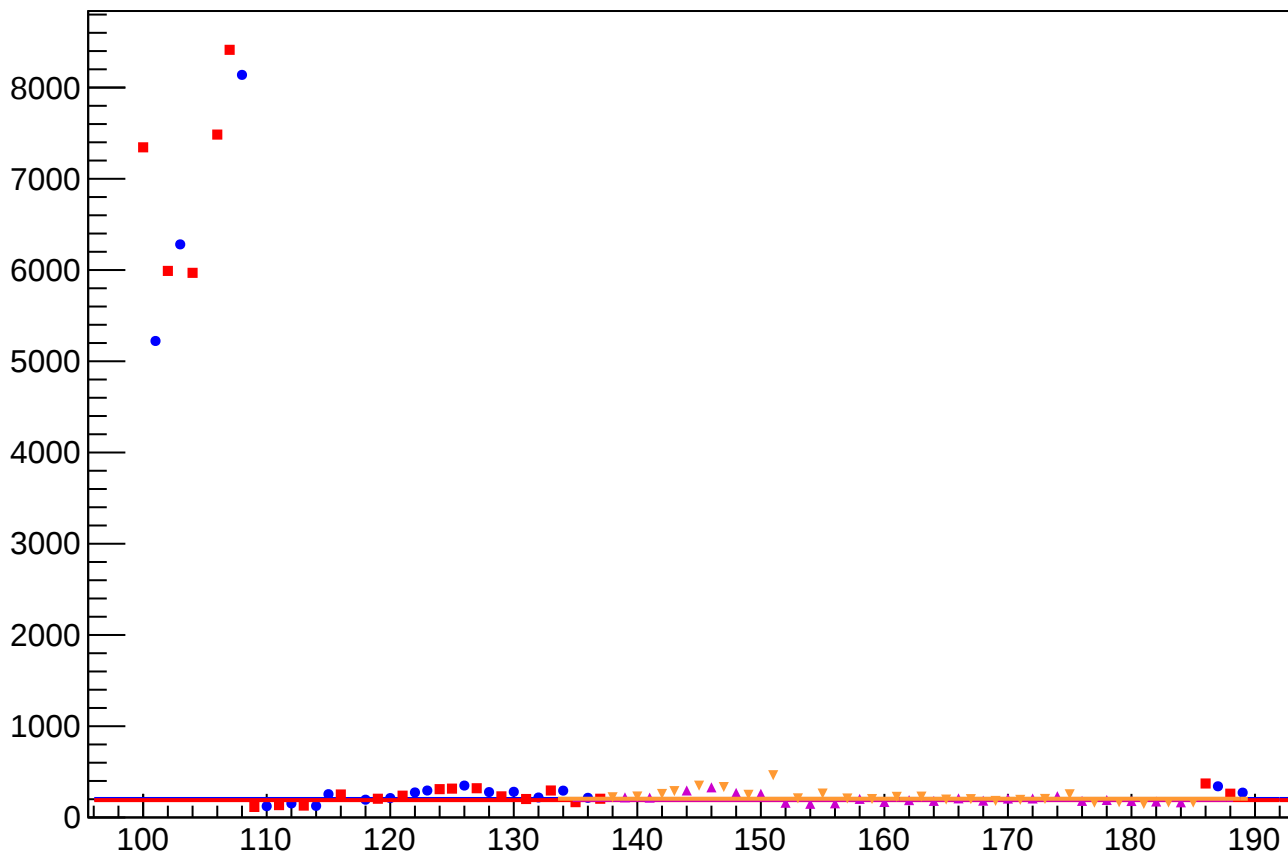
Left In: -28.062+/-48.032 χ^2/NDF : 9.6/22

+ sign -13.418+/-43.355 χ^2/NDF : 24.2/43

All: -21.790+/-29.867 χ^2/NDF : 49.3/87

- sign -29.352+/-41.203 χ^2/NDF : 24.9/43

asym_cav4cQ_rms vs Slug



Right In: 202.564 $\pm$ 0.063 χ^2 /NDF: 3810922.1/18

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF: 1957484.4/24

Right Out: 189.935 $\pm$ 0.057 χ^2 /NDF: 4656608.9/20

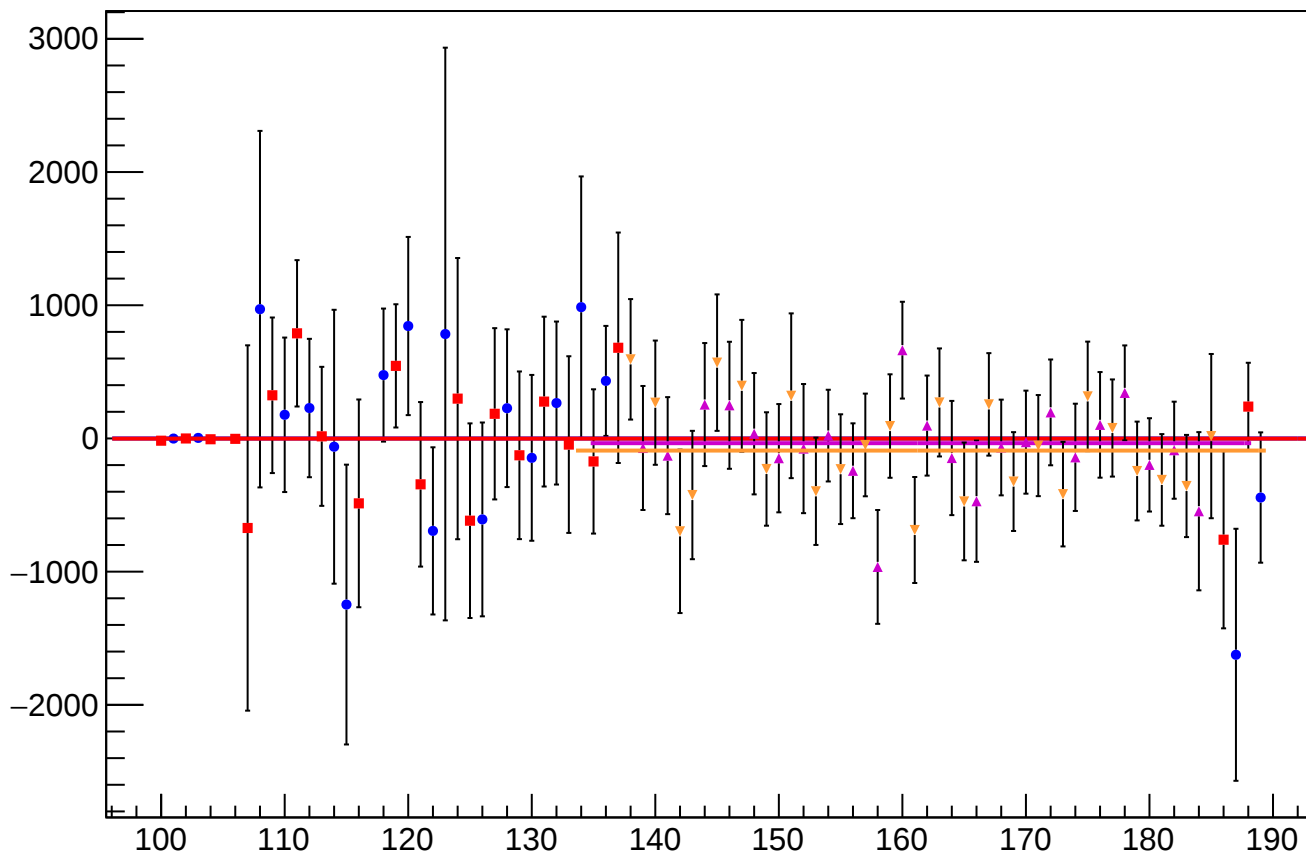
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF: 1179471.1/22

+ sign 204.514 $\pm$ 0.031 χ^2 /NDF: 5769651.0/43

All: 198.277 $\pm$ 0.021 χ^2 /NDF: 11687605.5/87

- sign 192.644 $\pm$ 0.029 χ^2 /NDF: 5839182.5/43

asym_cav4dQ_mean vs Slug



Right In: -0.152 ± 1.737 χ^2/NDF : 13.9/18

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.321 ± 1.623 χ^2/NDF : 11.1/20

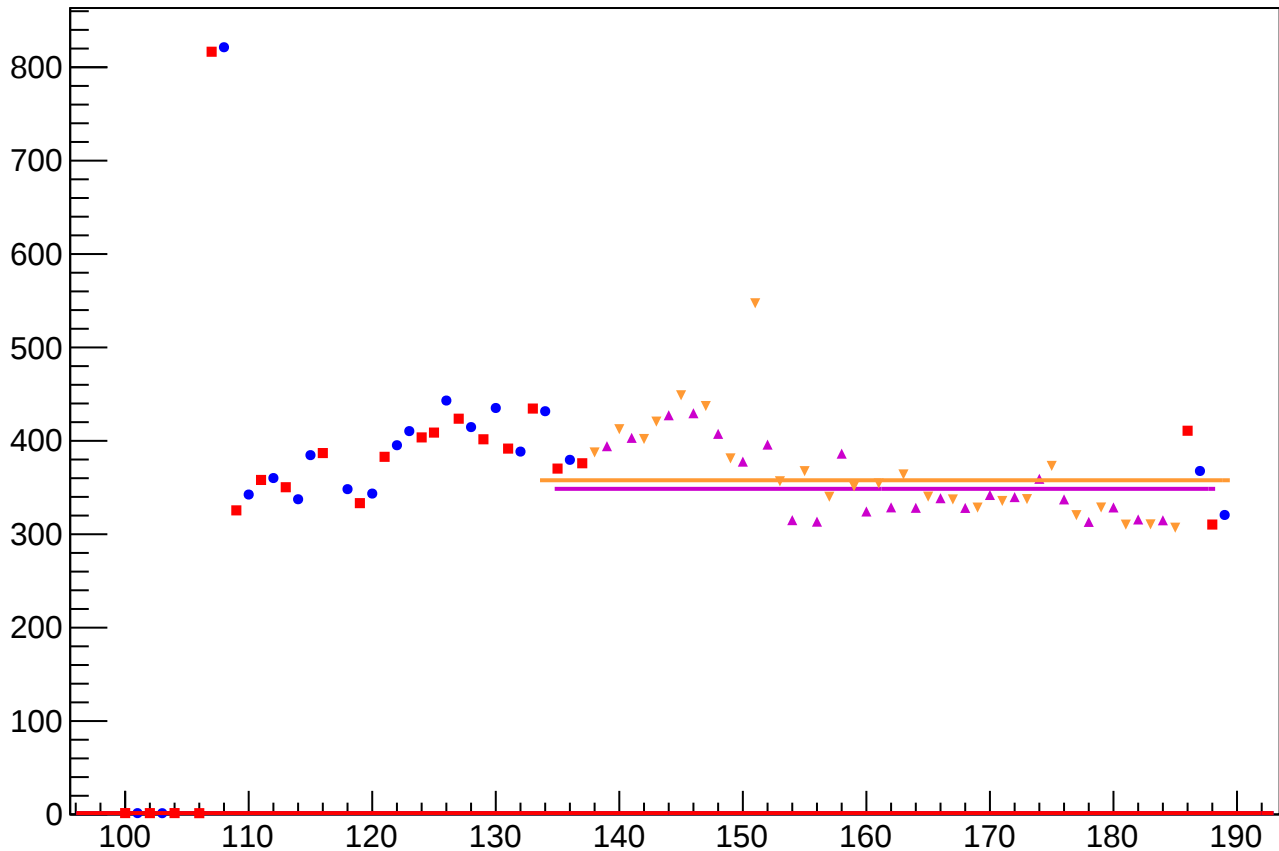
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.191 ± 1.736 χ^2/NDF : 31.5/43

All: -0.801 ± 1.185 χ^2/NDF : 56.4/87

- sign -1.334 ± 1.622 χ^2/NDF : 24.7/43

asym_cav4dQ_rms vs Slug



Right In: 1.457+/-0.001 χ^2/NDF : 11923143.1/18

Left Out: 357.804+/-0.059 χ^2/NDF : 547036.5/24

Right Out: 1.461+/-0.001 χ^2/NDF : 13352233.5/20

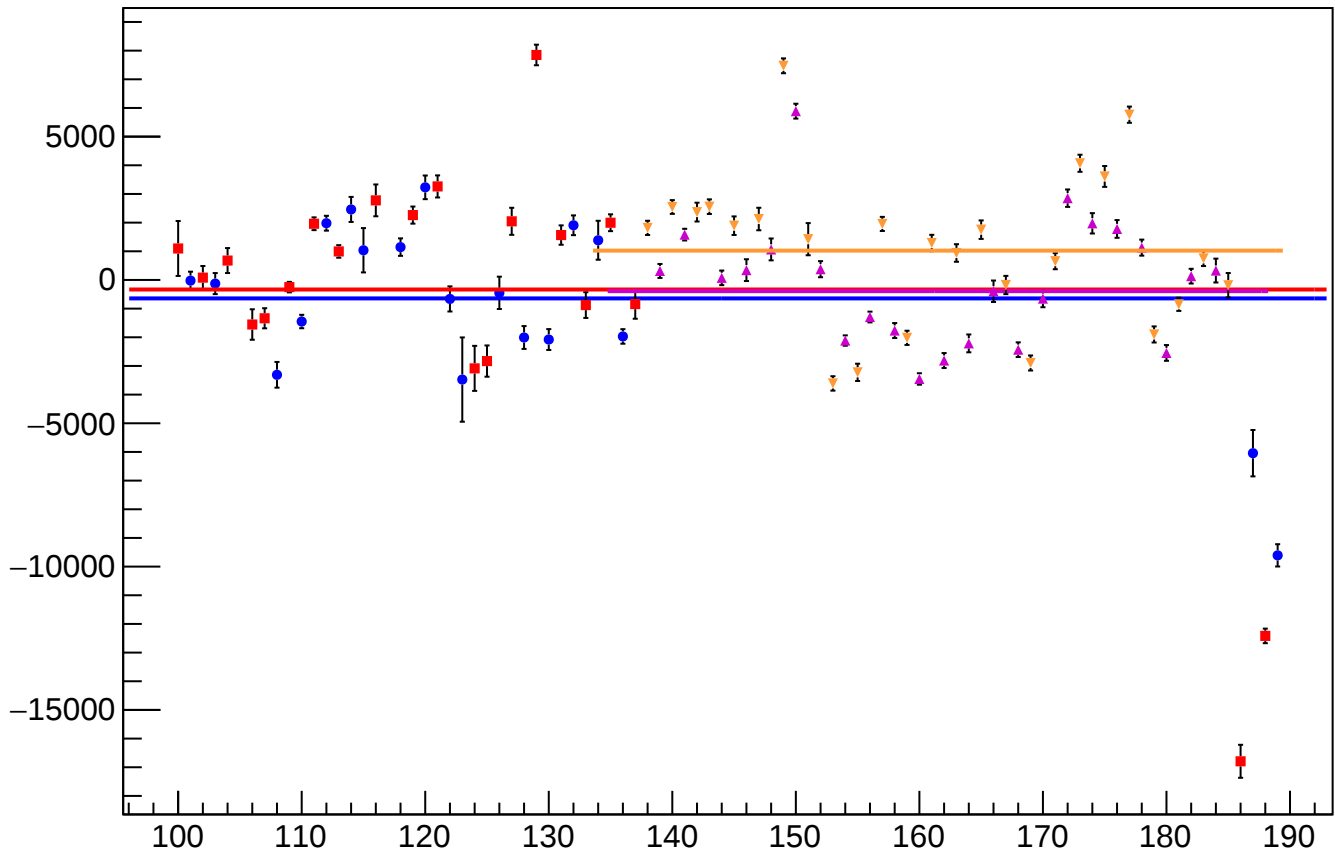
Left In: 348.611+/-0.060 χ^2/NDF : 362511.2/22

+ sign 1.609+/-0.001 χ^2/NDF : 48380580.4/43

All: 1.598+/-0.001 χ^2/NDF : 95933176.8/87

- sign 1.589+/-0.001 χ^2/NDF : 47552454.1/43

asym_bcm0l02_mean vs Slug



Right In: -643.837 ± 85.640 χ^2/NDF : 1032.3/18

Left Out: 1023.439 ± 57.338 χ^2/NDF : 2309.4/24

Right Out: -332.954 ± 74.339 χ^2/NDF : 4115.0/20

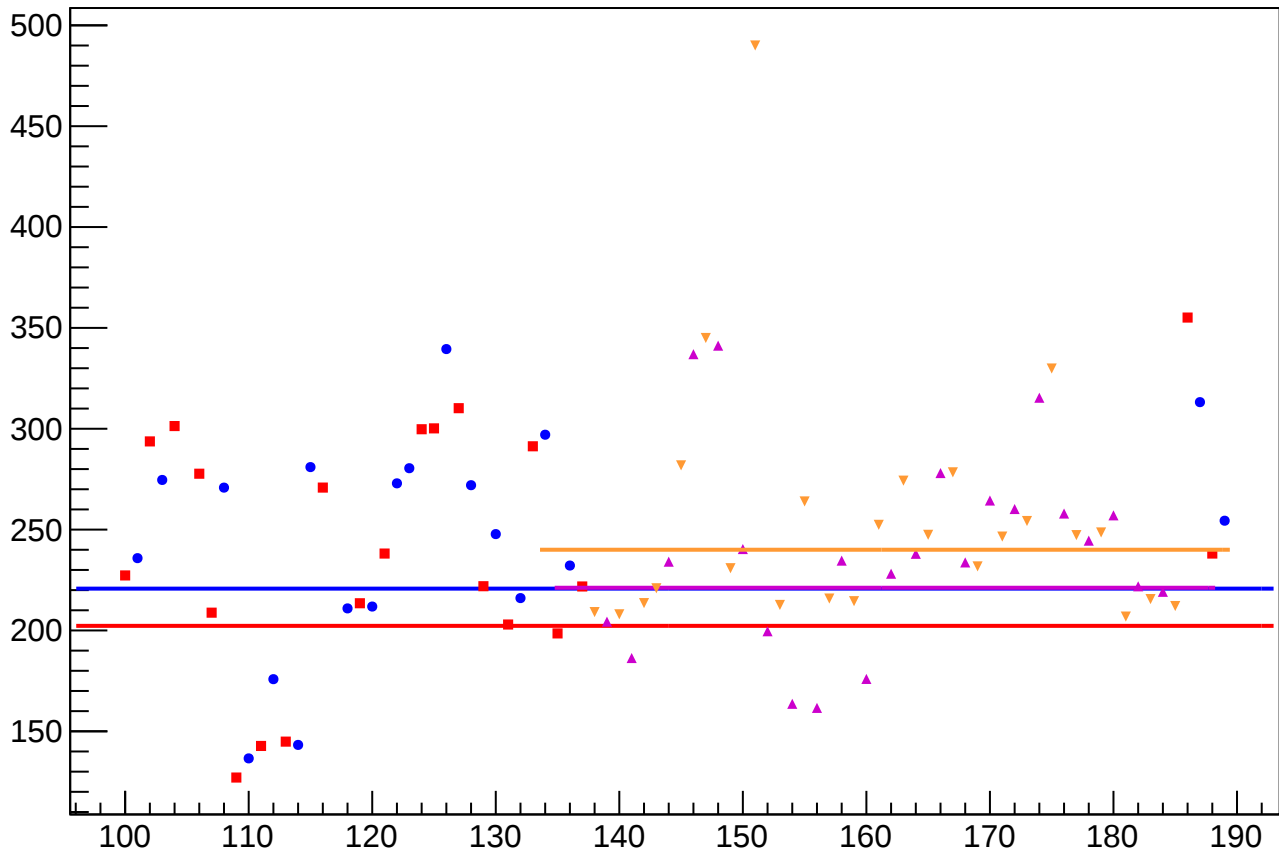
Left In: -390.237 ± 54.931 χ^2/NDF : 1584.9/22

+ sign 507.390 ± 47.645 χ^2/NDF : 3603.3/43

All: 35.615 ± 32.395 χ^2/NDF : 9486.0/87

- sign -370.006 ± 44.179 χ^2/NDF : 5700.3/43

asym_bcm0l02_rms vs Slug



Right In: 220.736 $\pm$ 0.061 χ^2 /NDF: 705186.3/18

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 202.281 $\pm$ 0.053 χ^2 /NDF: 1382848.4/20

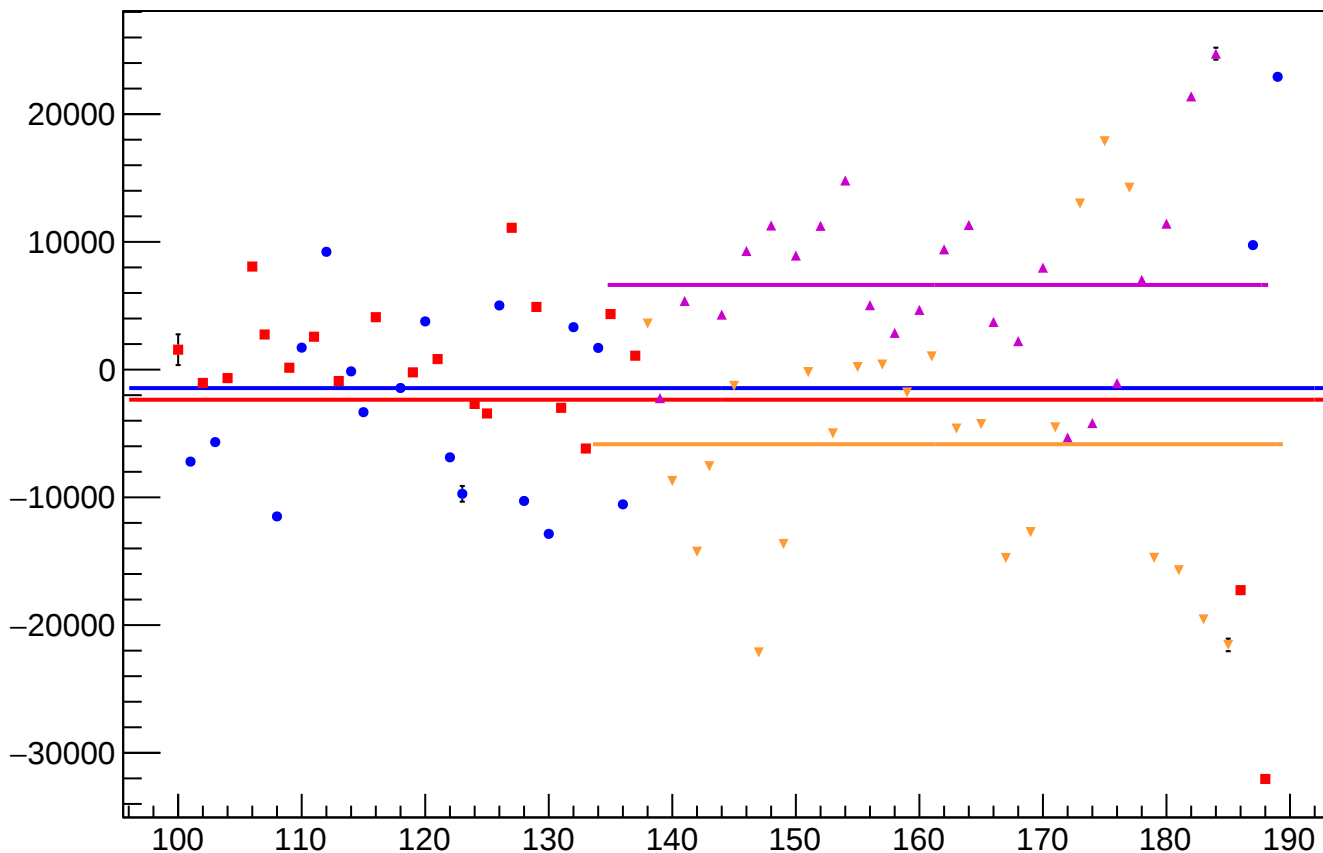
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 234.051 $\pm$ 0.034 χ^2 /NDF: 1777631.2/43

All: 223.539 $\pm$ 0.023 χ^2 /NDF: 4767595.9/87

- sign 214.501 $\pm$ 0.031 χ^2 /NDF: 2808908.7/43

asym_bpm2i01WS_mean vs Slug



Right In: -1446.436+/-47.042 χ^2/NDF : 36027.2/18

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -2354.989+/-43.256 χ^2/NDF : 62642.2/20

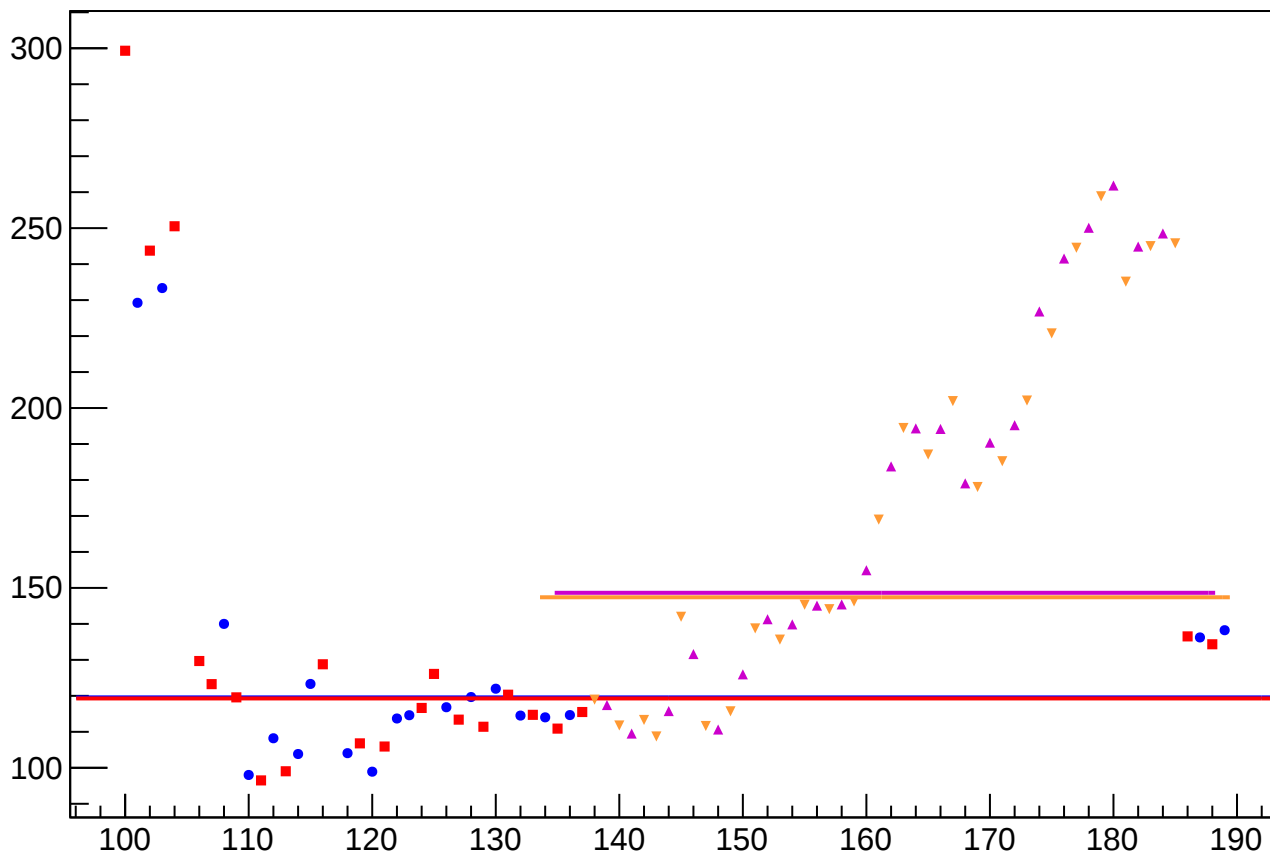
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -4226.953+/-28.512 χ^2/NDF : 104947.0/43

All: -666.177+/-20.045 χ^2/NDF : 244981.7/87

- sign 2813.837+/-28.187 χ^2/NDF : 109196.0/43

asym_bpm2i01WS_rms vs Slug



Right In: 119.577 $\pm$ 0.033 χ^2 /NDF: 658356.7/18

Left Out: 147.396 $\pm$ 0.025 χ^2 /NDF: 2517097.1/24

Right Out: 119.279 $\pm$ 0.031 χ^2 /NDF: 729161.9/20

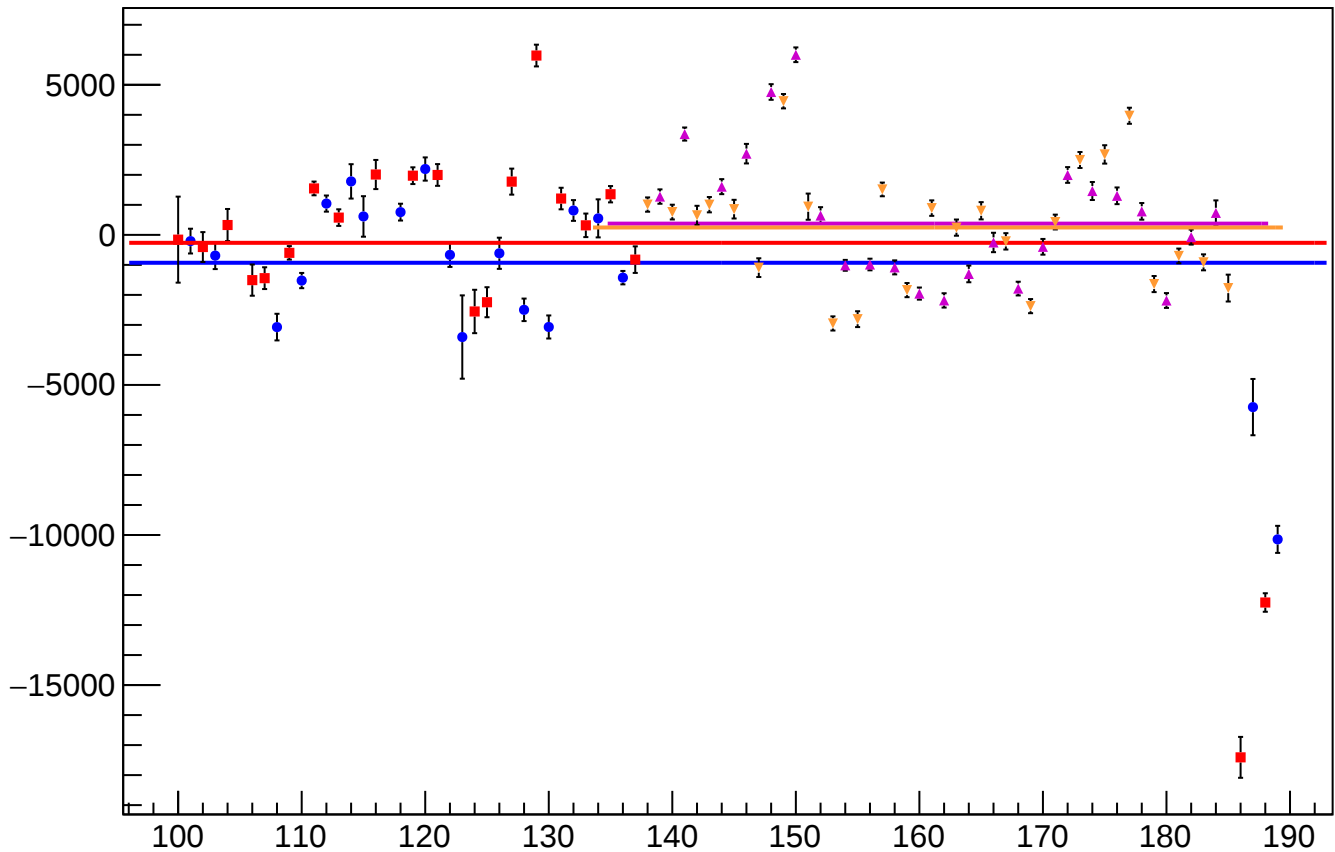
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF: 2415531.9/22

+ sign 137.176 $\pm$ 0.020 χ^2 /NDF: 3617956.0/43

All: 136.669 $\pm$ 0.014 χ^2 /NDF: 7294139.5/87

- sign 136.174 $\pm$ 0.020 χ^2 /NDF: 3674934.1/43

asym_bpm0i07WS_mean vs Slug



Right In: -929.490 ± 87.314 χ^2/NDF : 747.7/18

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -264.752 ± 78.948 χ^2/NDF : 2760.8/20

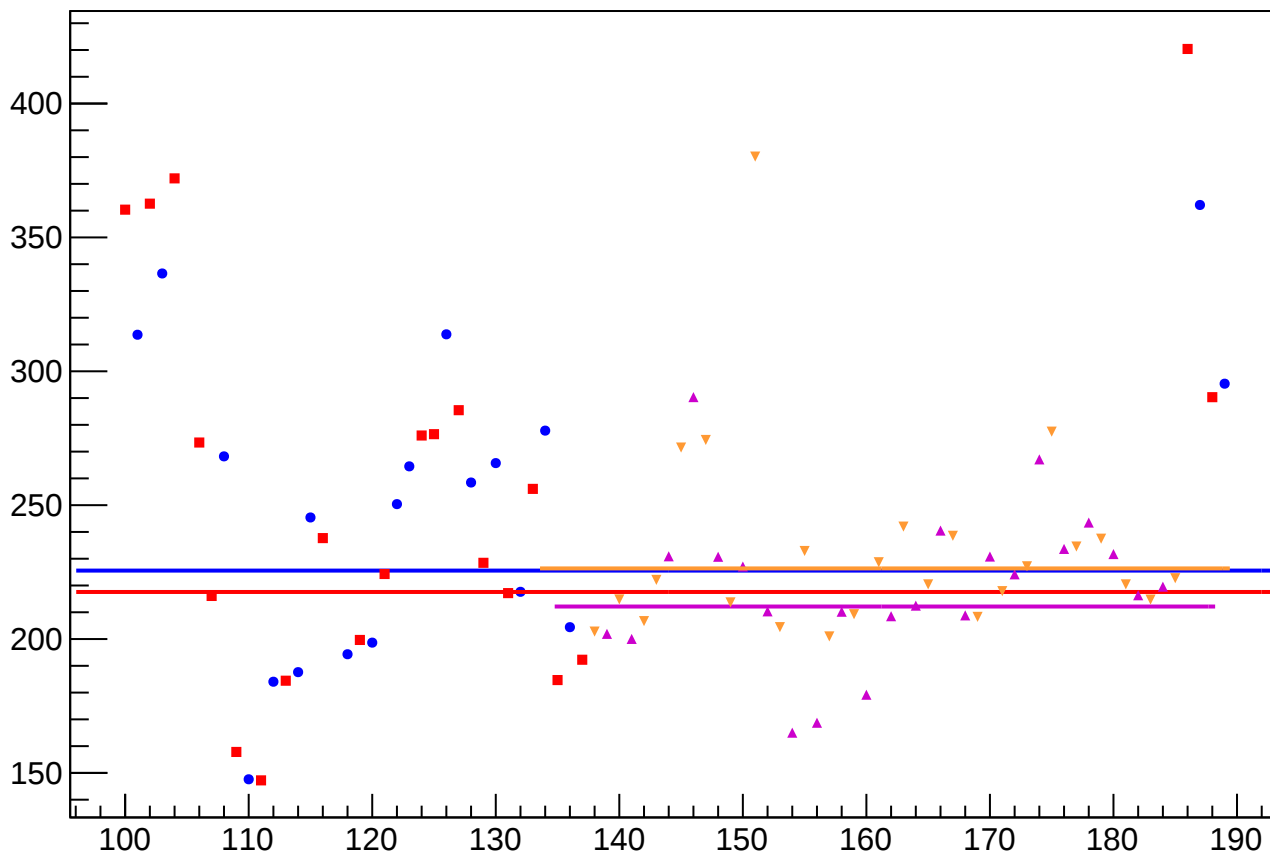
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -74.701 ± 45.613 χ^2/NDF : 2234.3/43

All: 59.932 ± 31.428 χ^2/NDF : 6855.7/87

- sign 181.615 ± 43.364 χ^2/NDF : 4604.8/43

asym_bpm0i07WS_rms vs Slug



Right In: 225.565 ± 0.062 χ^2/NDF : 740136.5/18

Left Out: 226.376 ± 0.038 χ^2/NDF : 521770.1/24

Right Out: 217.581 ± 0.056 χ^2/NDF : 1187370.1/20

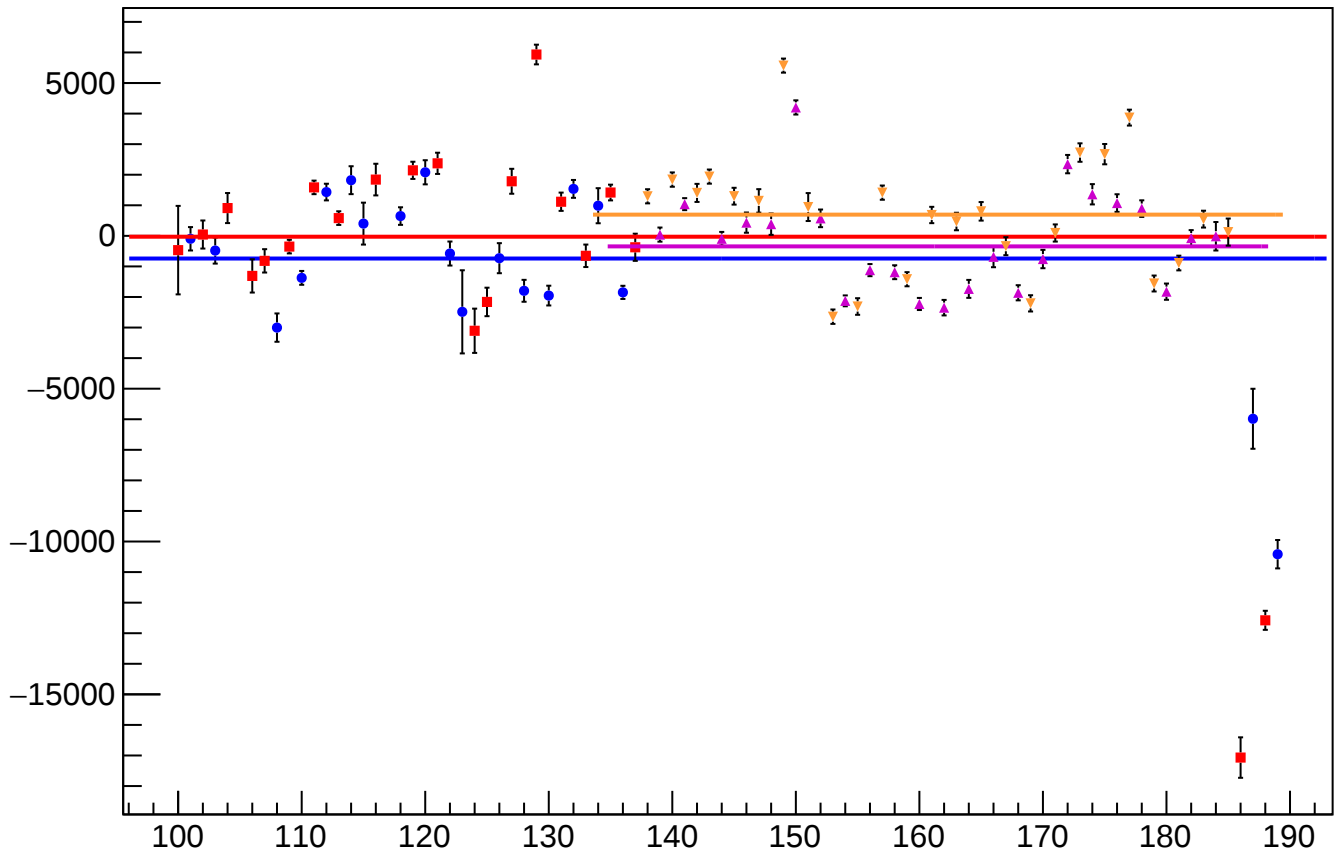
Left In: 212.145 ± 0.037 χ^2/NDF : 591698.6/22

+ sign 226.154 ± 0.032 χ^2/NDF : 1262031.9/43

All: 219.657 ± 0.022 χ^2/NDF : 3124979.4/87

- sign 213.785 ± 0.031 χ^2/NDF : 1785689.3/43

asym_bpm0l01WS_mean vs Slug



Right In: -741.598 ± 82.806 χ^2/NDF : 790.5/18

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: -27.944 ± 74.904 χ^2/NDF : 2931.0/20

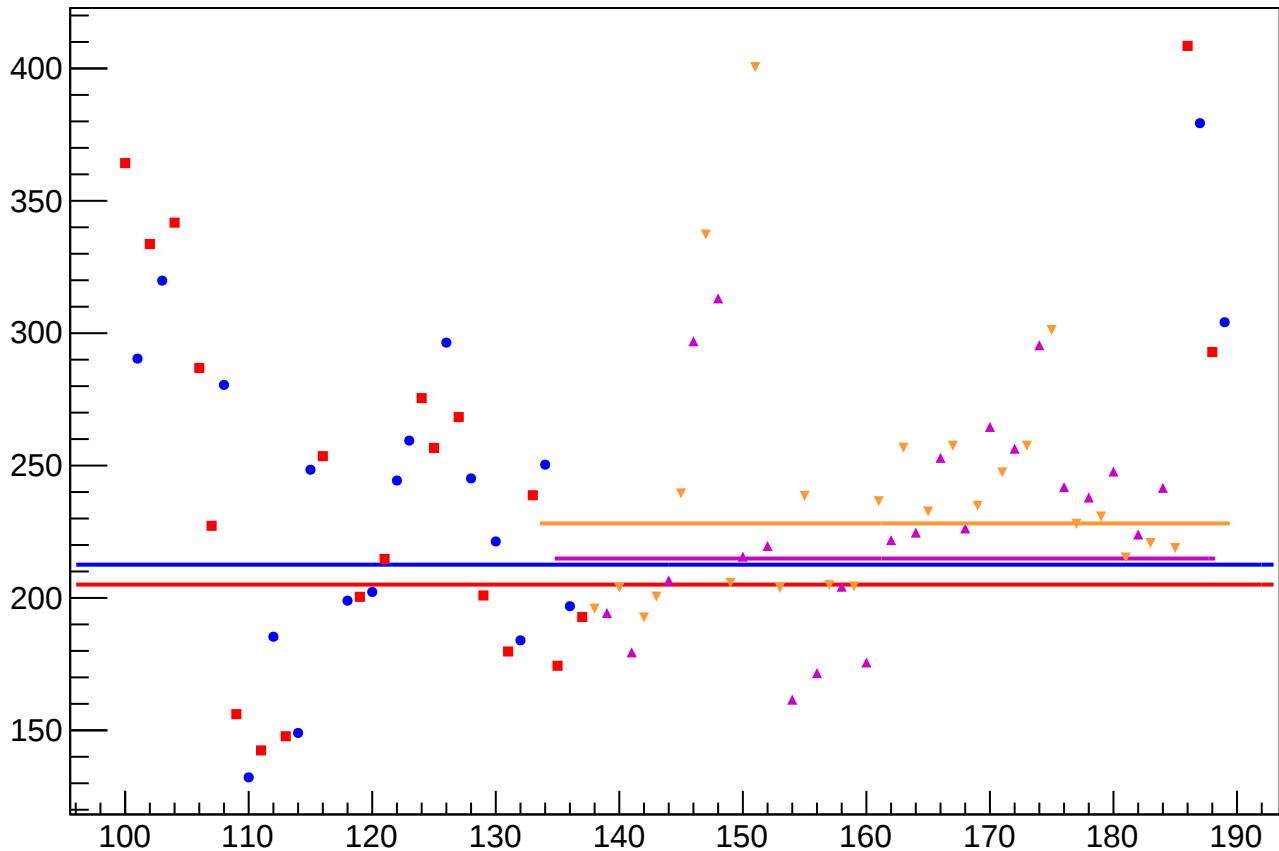
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 263.131 ± 45.376 χ^2/NDF : 2423.0/43

All: -0.067 ± 31.303 χ^2/NDF : 6415.1/87

- sign -239.062 ± 43.240 χ^2/NDF : 3928.0/43

asym_bpm0l01WS_rms vs Slug



Right In: 212.569+/-0.059 χ^2/NDF : 839380.2/18

Left Out: 228.144+/-0.038 χ^2/NDF : 828399.3/24

Right Out: 205.042+/-0.053 χ^2/NDF : 129528.0/20

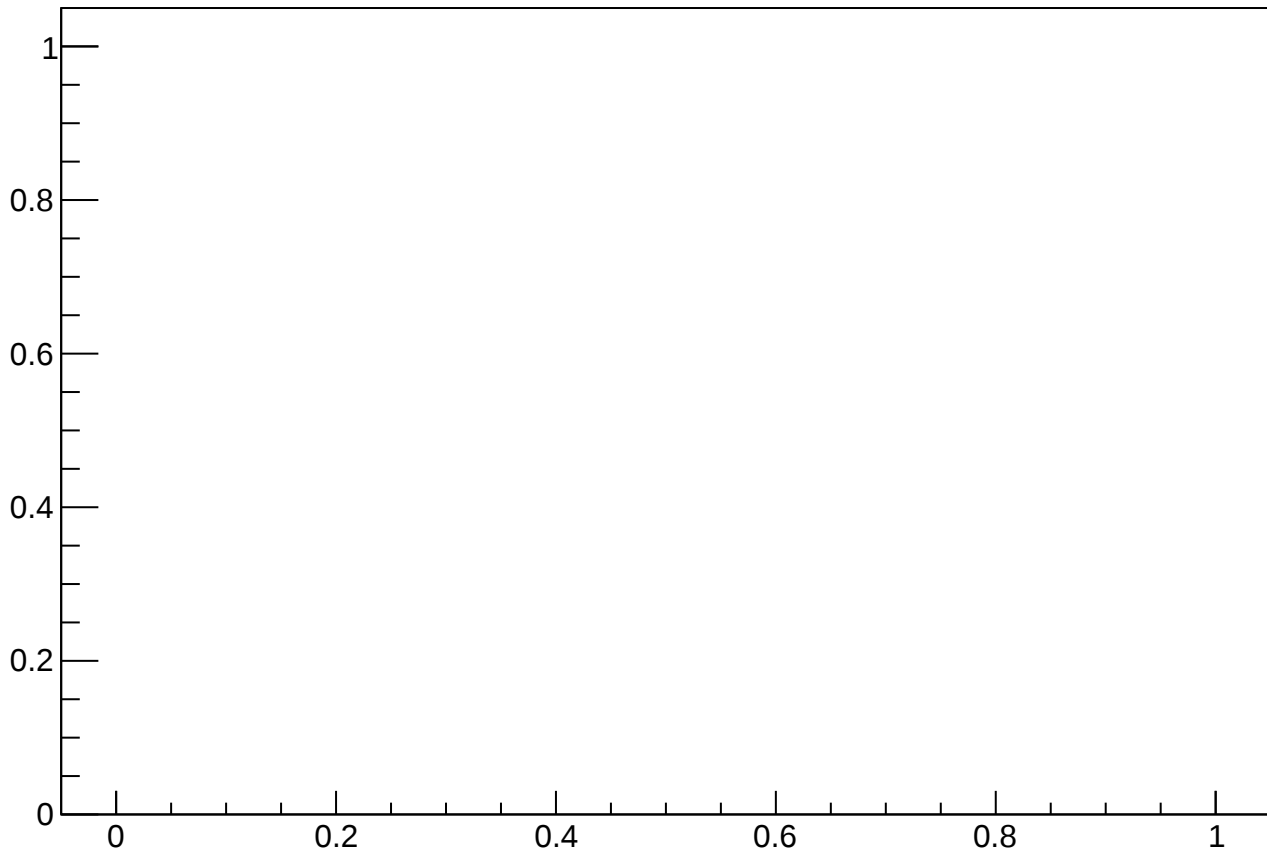
Left In: 214.878+/-0.037 χ^2/NDF : 1037509.6/22

+ sign 223.467+/-0.032 χ^2/NDF : 1717289.2/43

All: 217.248+/-0.022 χ^2/NDF : 4145006.9/87

- sign 211.600+/-0.031 χ^2/NDF : 2356034.2/43

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

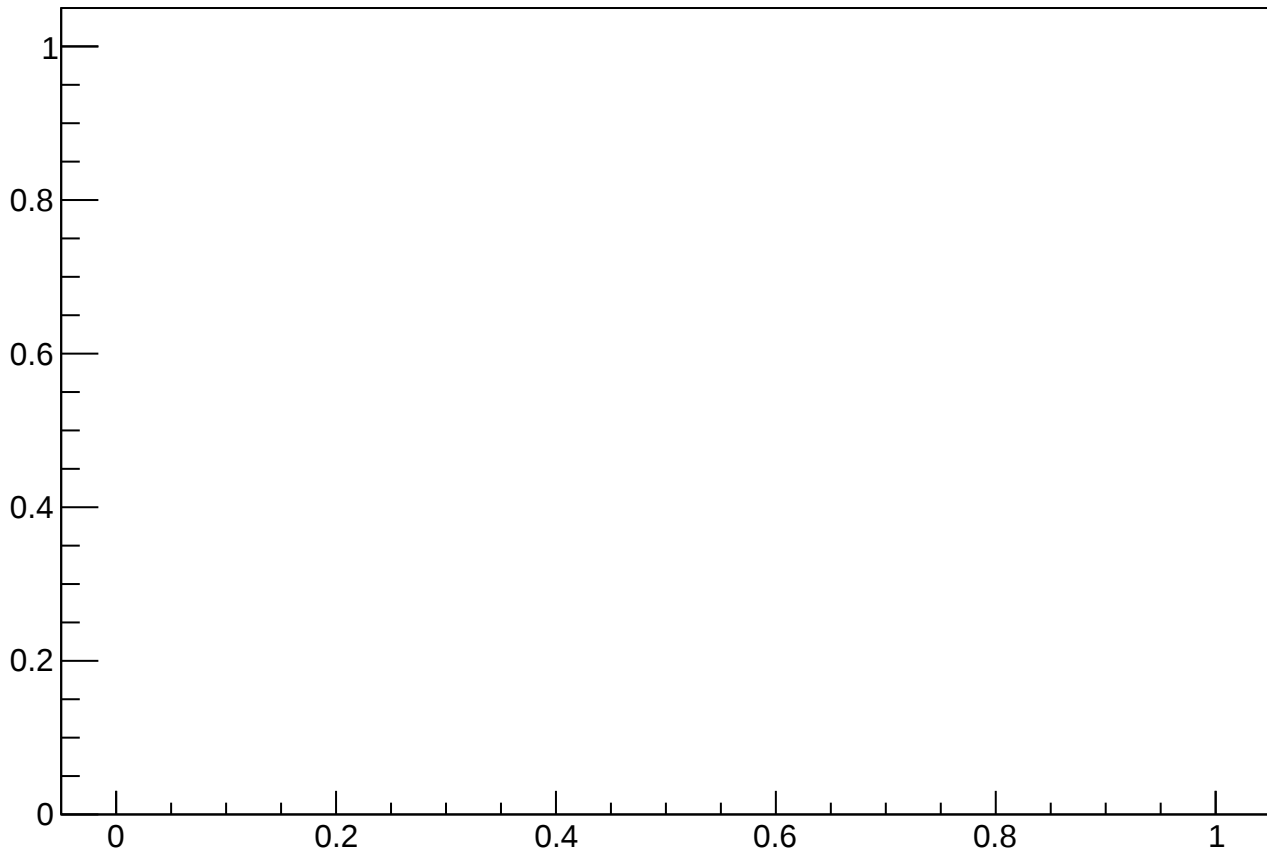
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

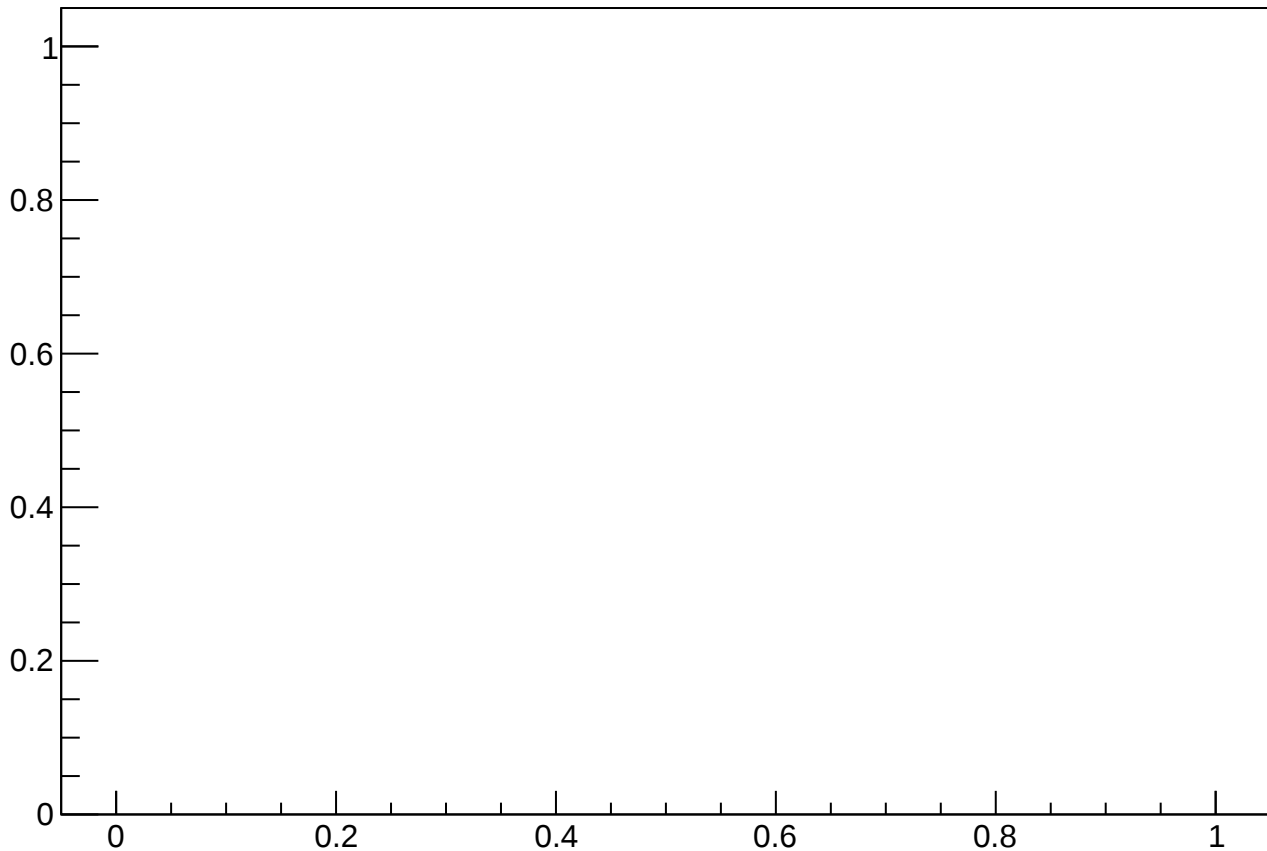
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

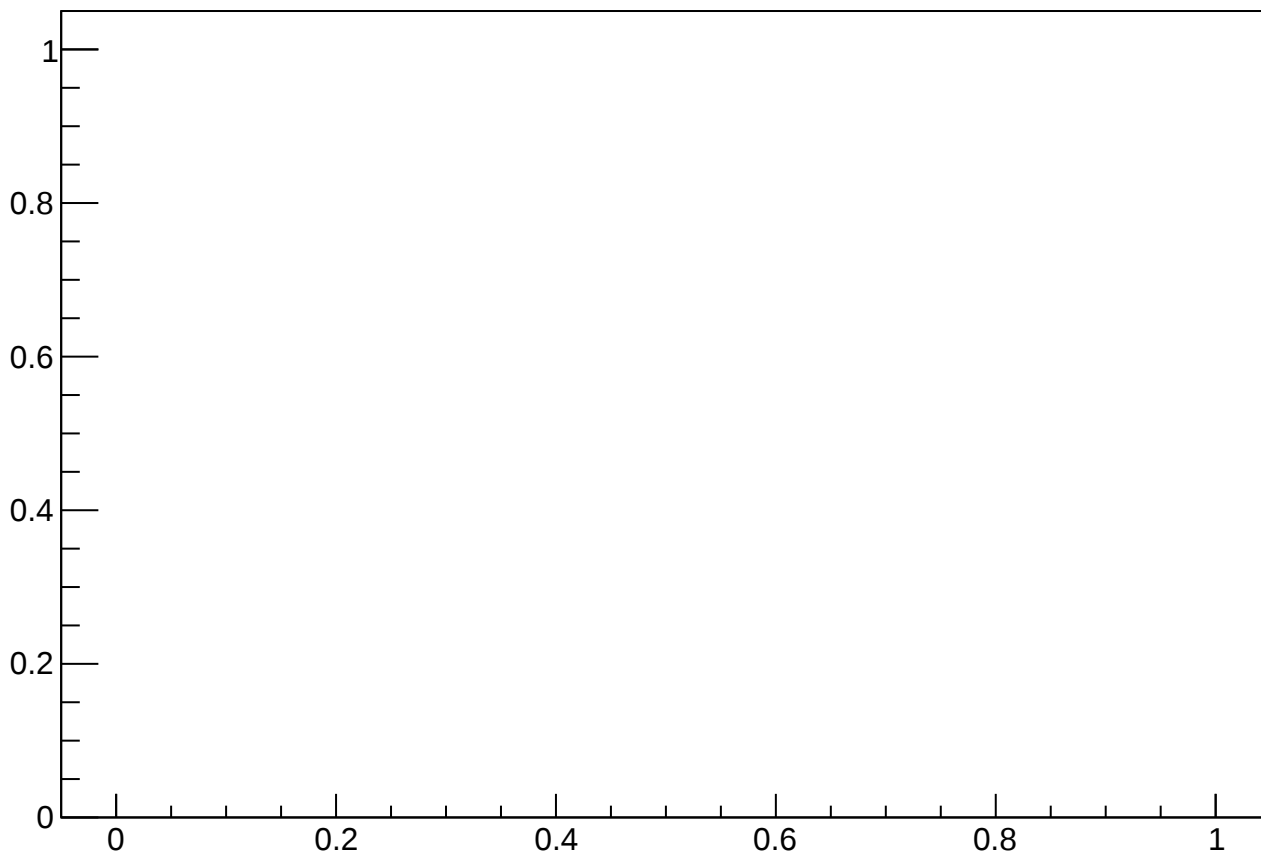
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

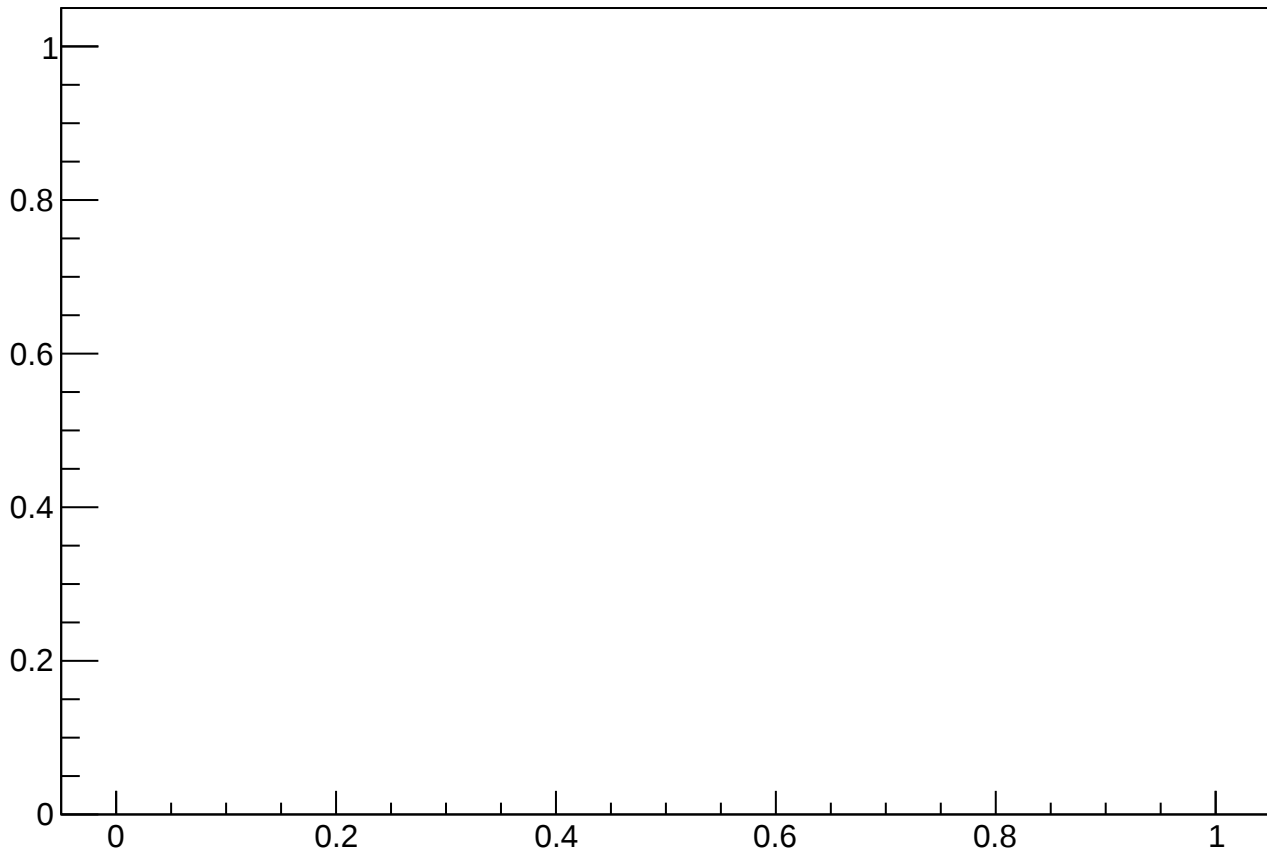
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

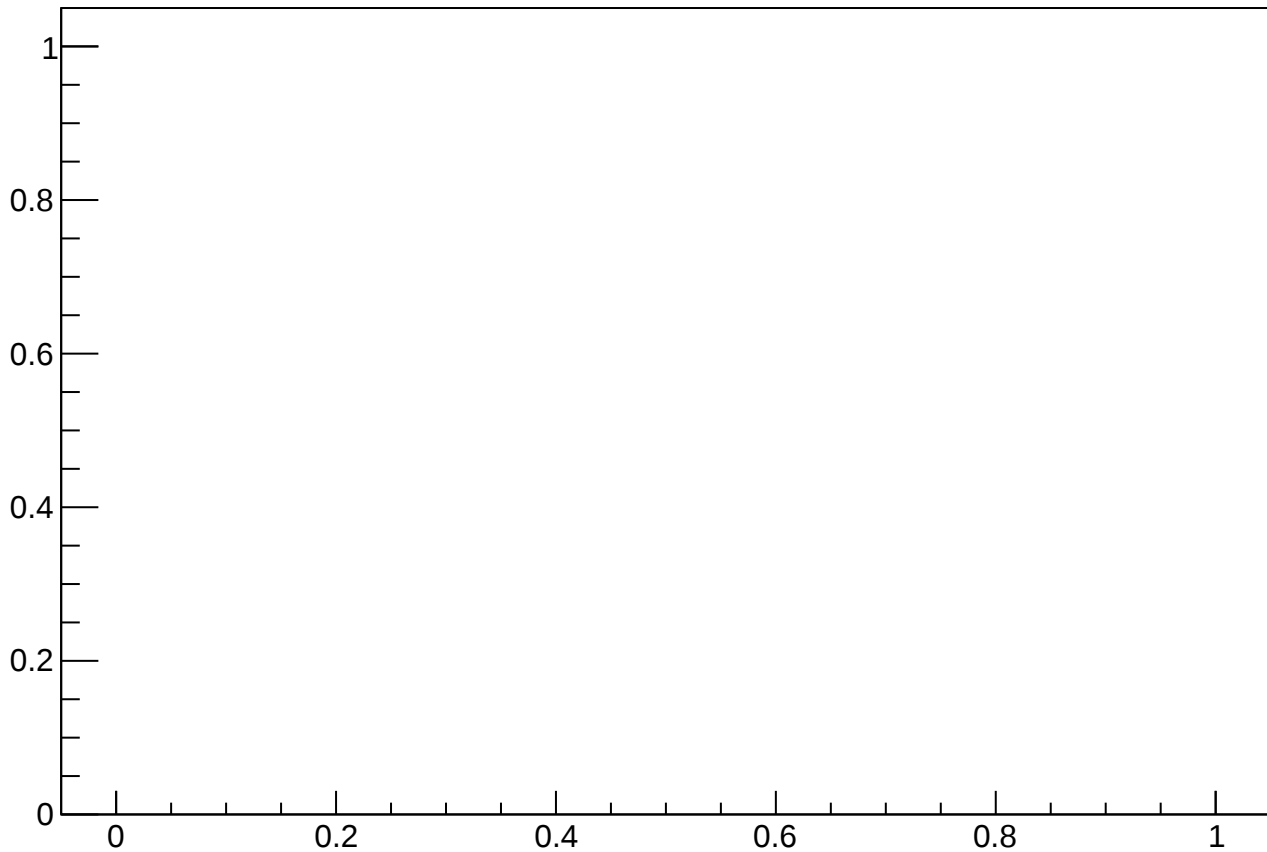
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

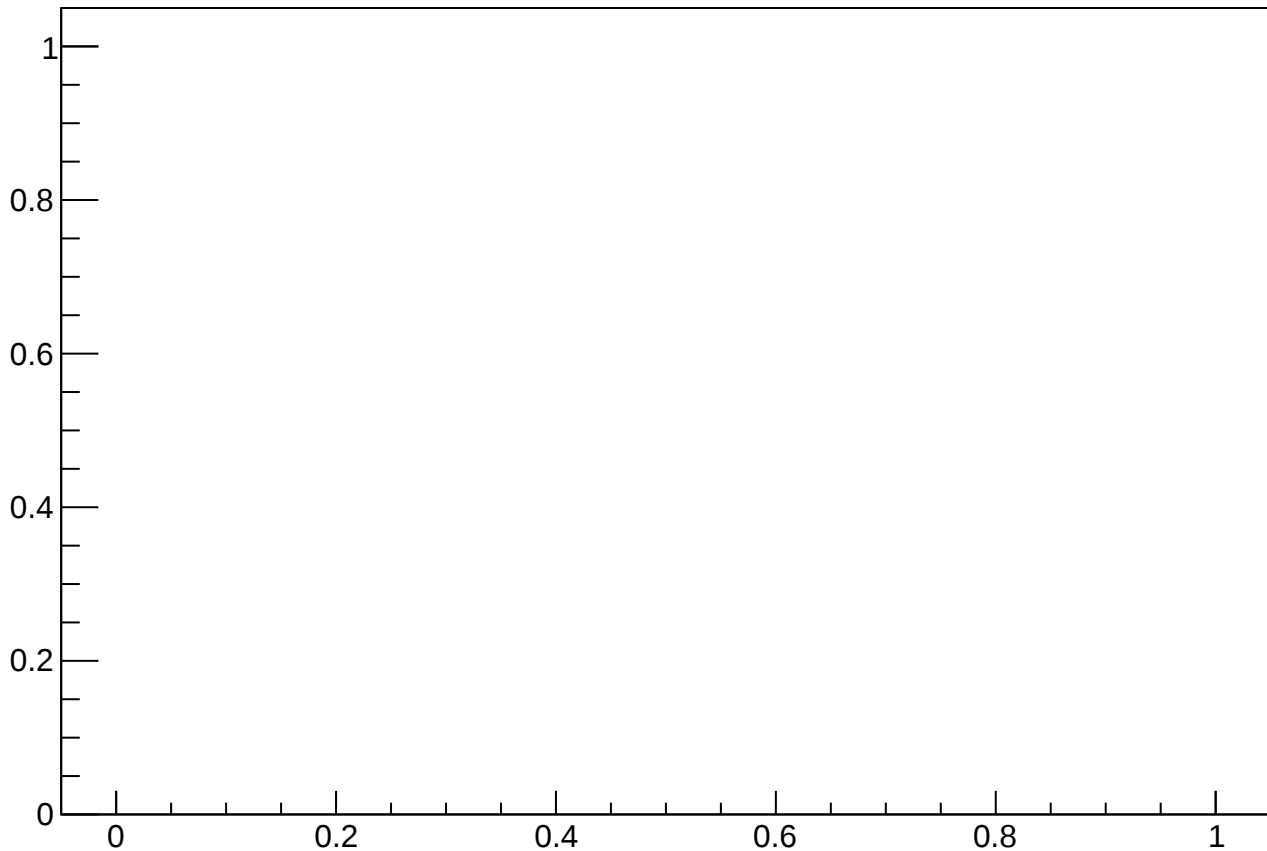
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

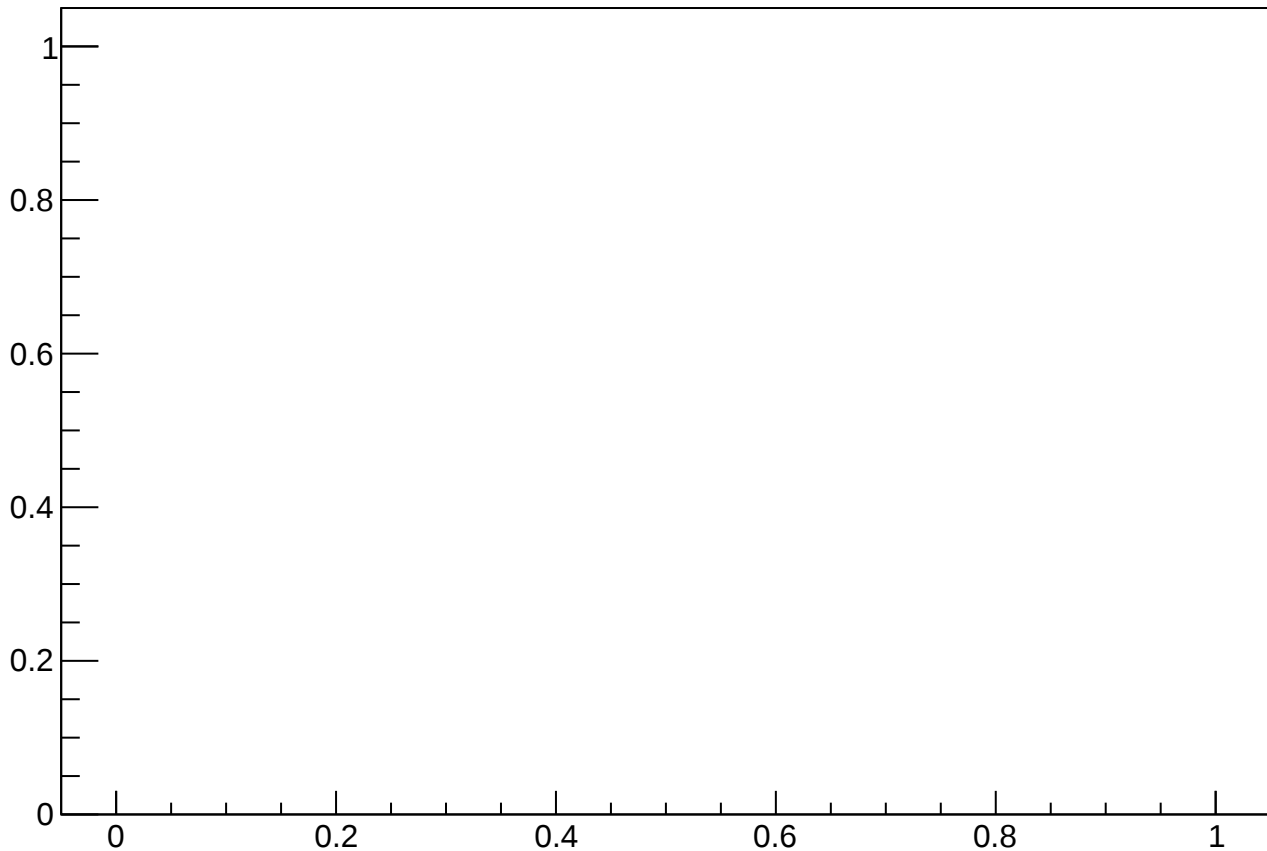
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

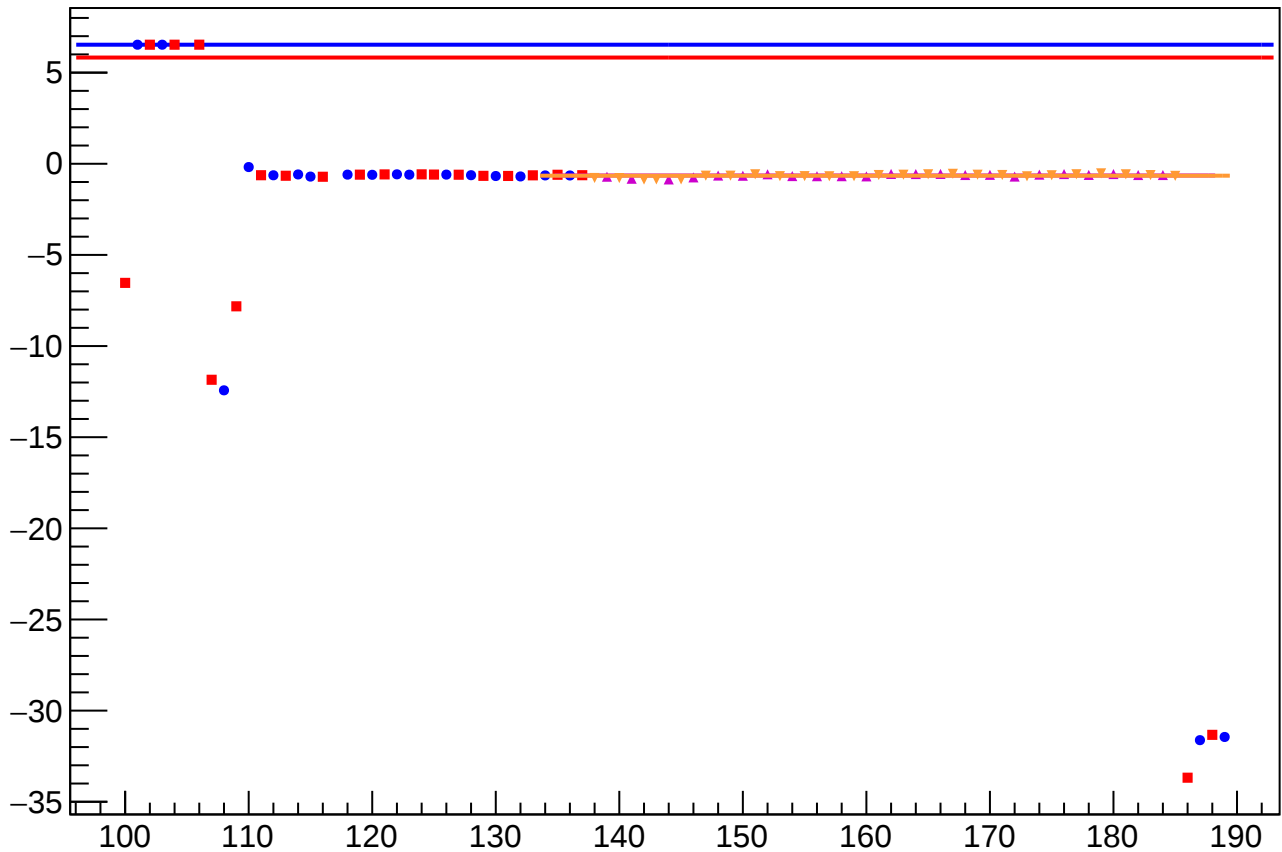
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 127660933106.7/18

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962031232803.0/20

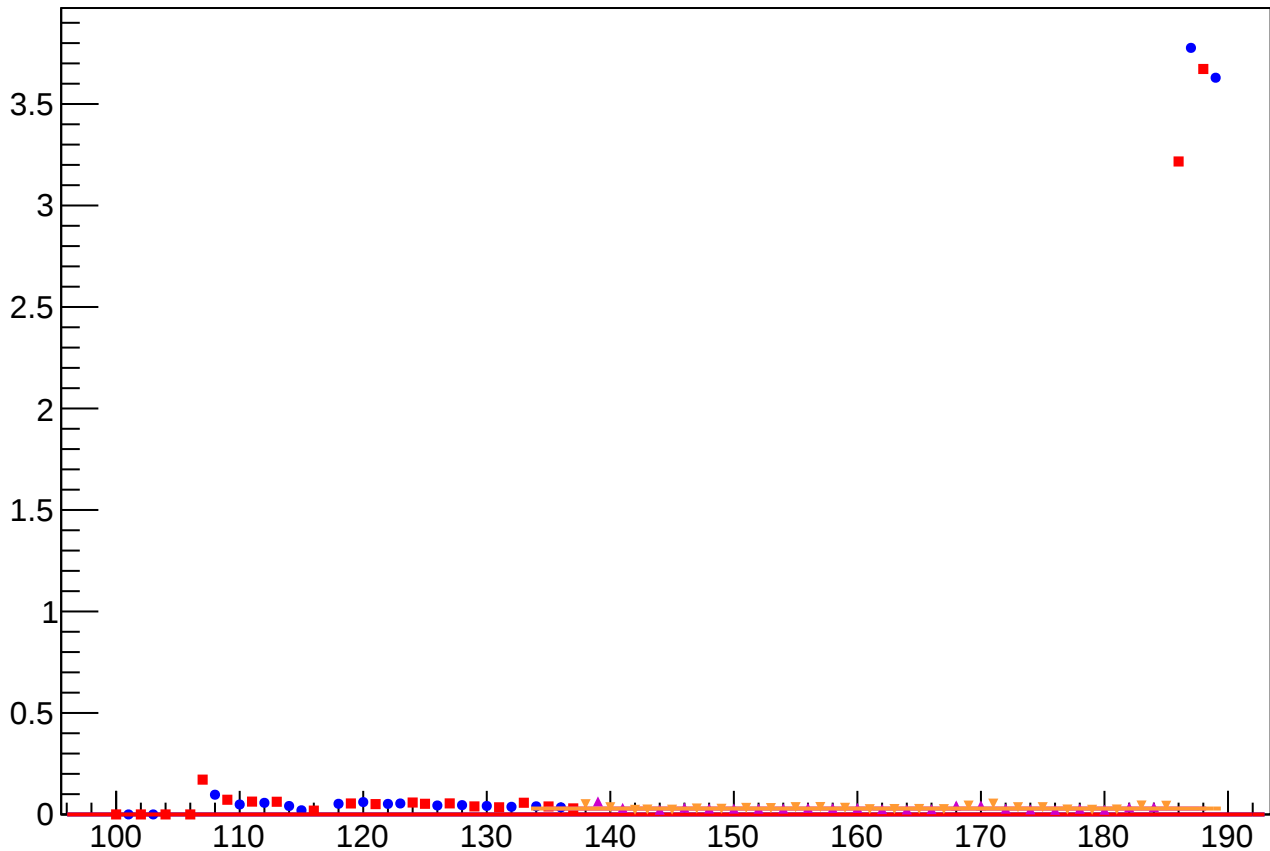
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001500452645.1/43

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762708816173

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640494385639.0/20

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9947577.5/18

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11736291.5/20

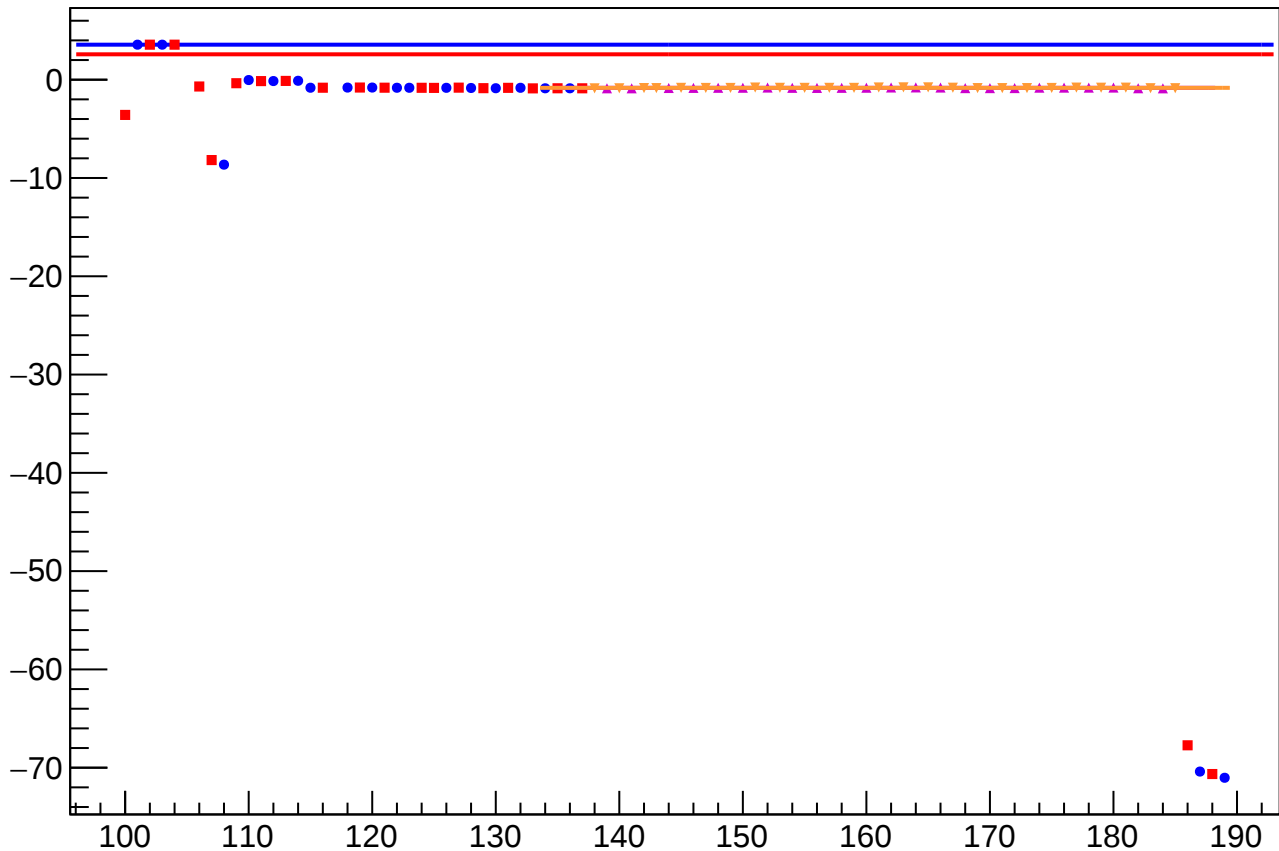
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 39911354.6/43

All: 0.000+/-0.000 χ^2/NDF : 79830174.4/87

- sign 0.000+/-0.000 χ^2/NDF : 39918151.5/43

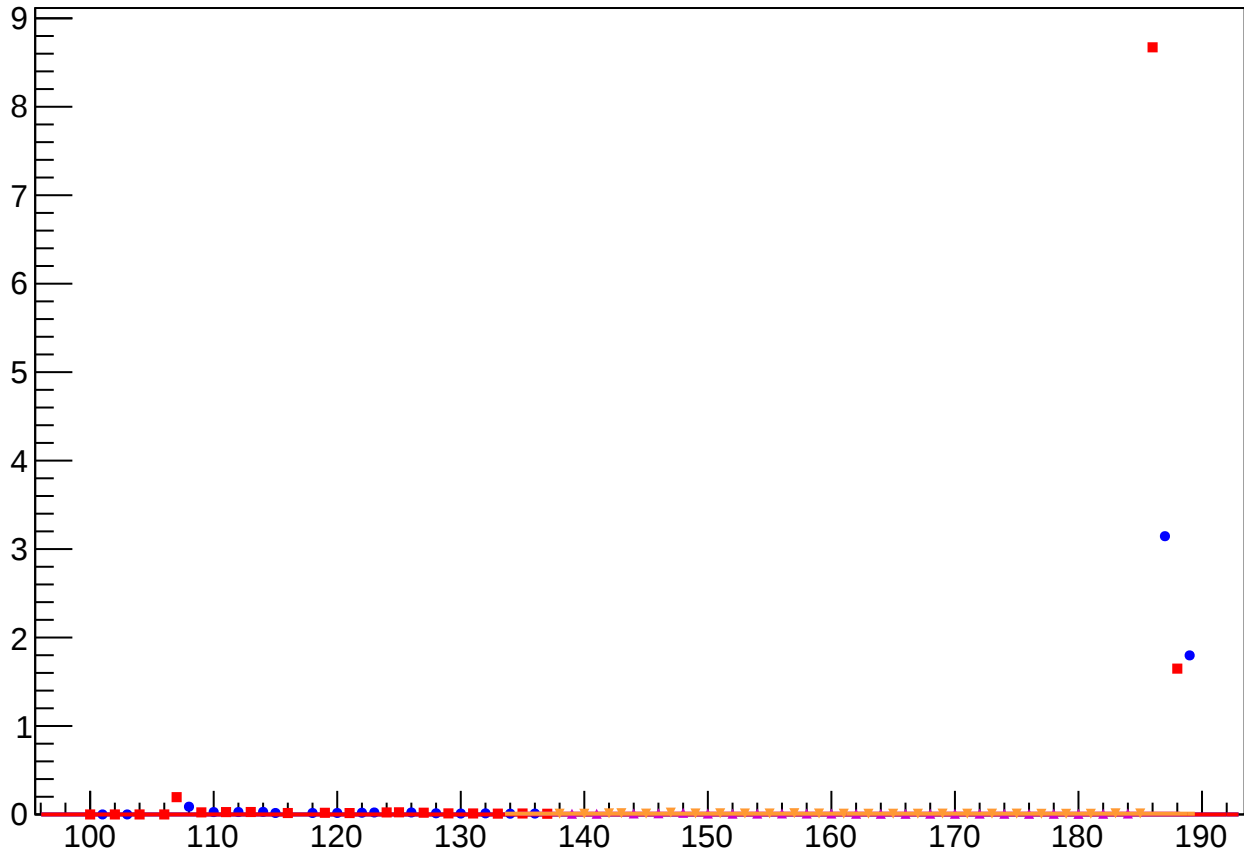
yield_cav4bY_mean vs Slug



Right In: 3.563 ± 0.000 $\chi^2/\text{NDF}: 480884326821.9/18$
 Left Out: -0.827 ± 0.000 $\chi^2/\text{NDF}: 170052639.9/24$
 Right Out: 2.583 ± 0.000 $\chi^2/\text{NDF}: 1253502998158802.0/20$
 Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 174130375.4/22$

+ sign 3.560 ± 0.000 $\chi^2/\text{NDF}: 4177333432068.3/43$
 All: 3.038 ± 0.000 $\chi^2/\text{NDF}: 13879795592248$
 - sign 2.581 ± 0.000 $\chi^2/\text{NDF}: 1255724093351438.5$

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10747935.2/18

Left Out: 0.009+/-0.000 χ^2/NDF : 1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12165771.0/20

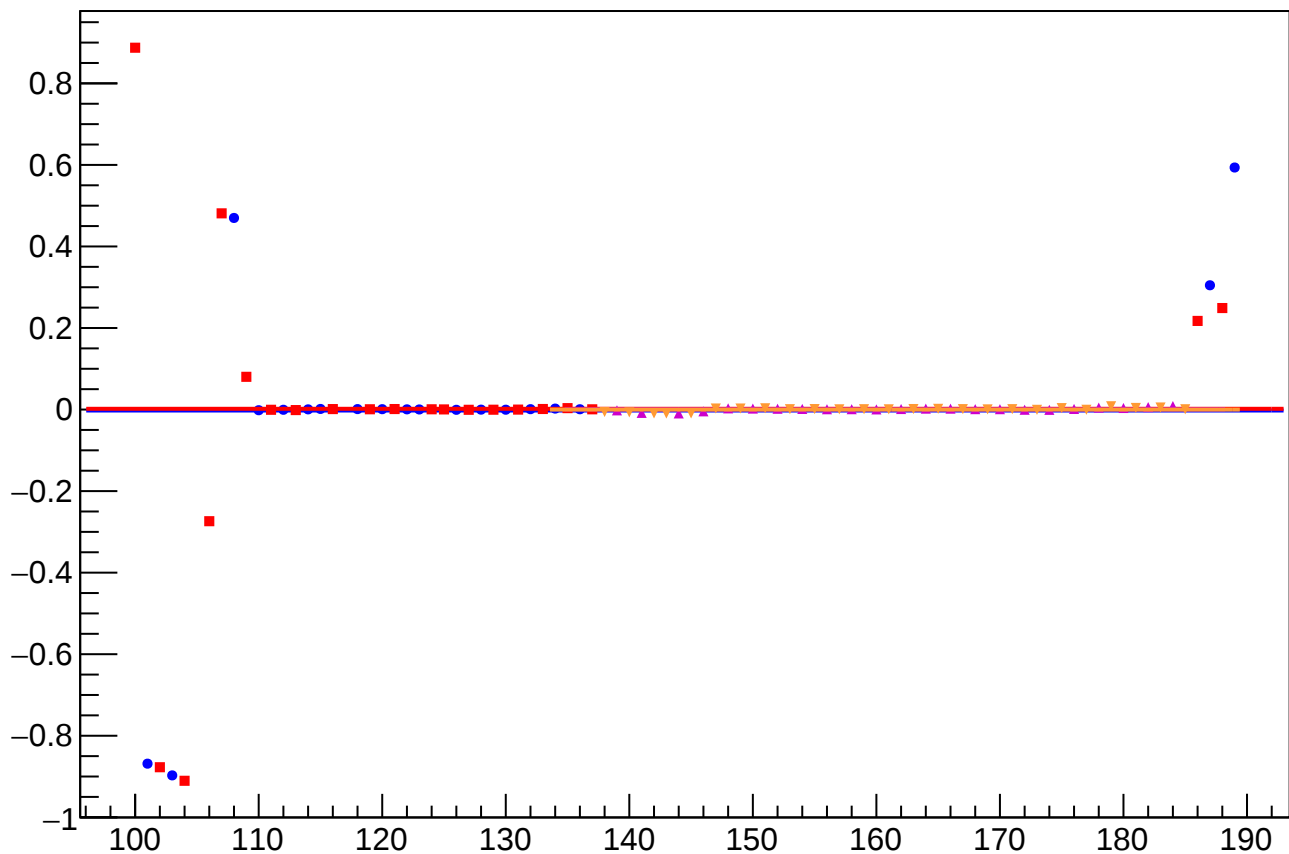
Left In: 0.009+/-0.000 χ^2/NDF : 1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 42256384.5/43

All: 0.000+/-0.000 χ^2/NDF : 84229949.9/87

- sign 0.000+/-0.000 χ^2/NDF : 41972487.1/43

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9794978081.0/18

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041364870.3/20

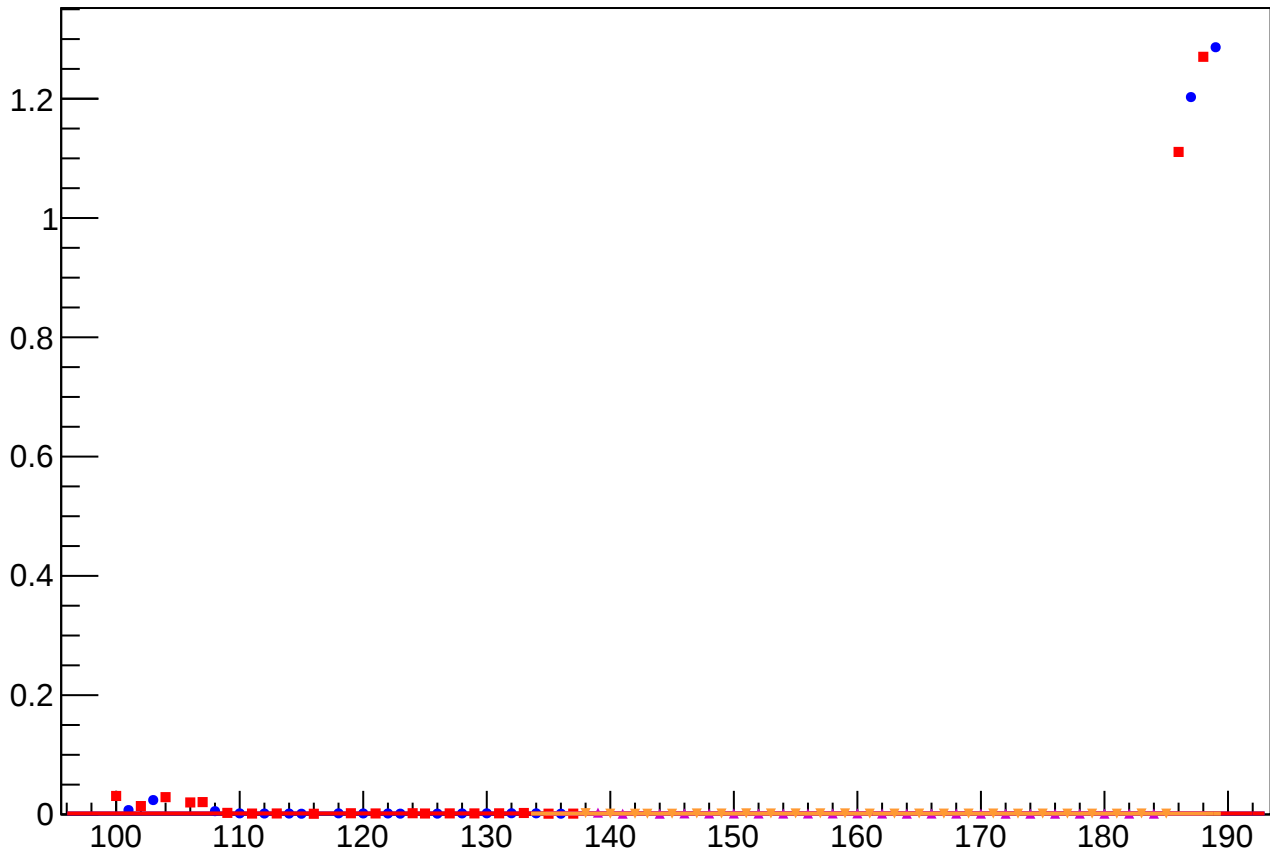
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9953502306.2/43

All: 0.000 ± 0.000 χ^2/NDF : 13105860933.3/8

- sign 0.001 ± 0.000 χ^2/NDF : 3144807834.4/43

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3008112.8/18

Left Out: 0.001+/-0.000 χ^2/NDF :539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 5410891.5/20

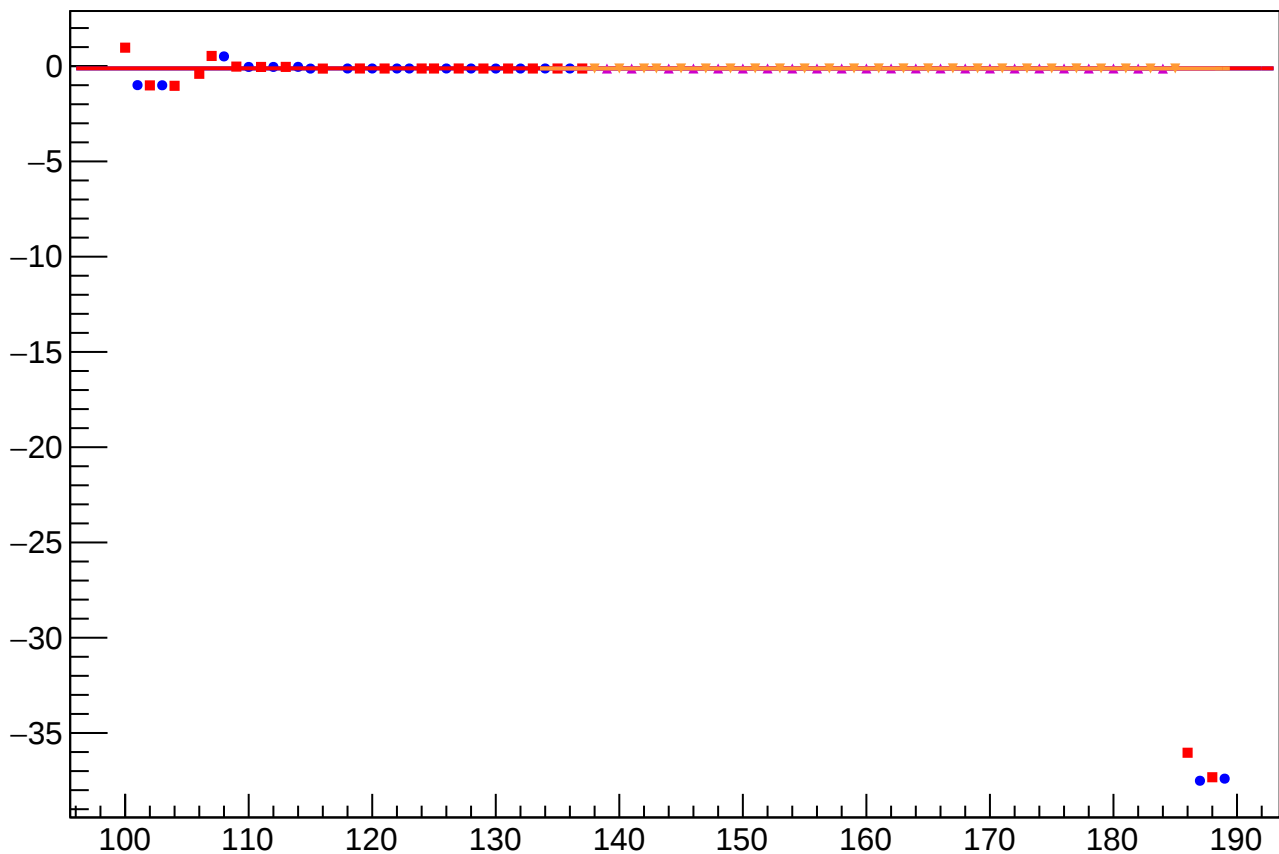
Left In: 0.001+/-0.000 χ^2/NDF :659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 3616731.7/43

All: 0.002+/-0.000 χ^2/NDF : 9803055.6/87

- sign 0.002+/-0.000 χ^2/NDF : 6178448.8/43

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 5849978534.1/18

Left Out: -0.121+/-0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.115+/-0.000 χ^2/NDF : 7841144523.4/20

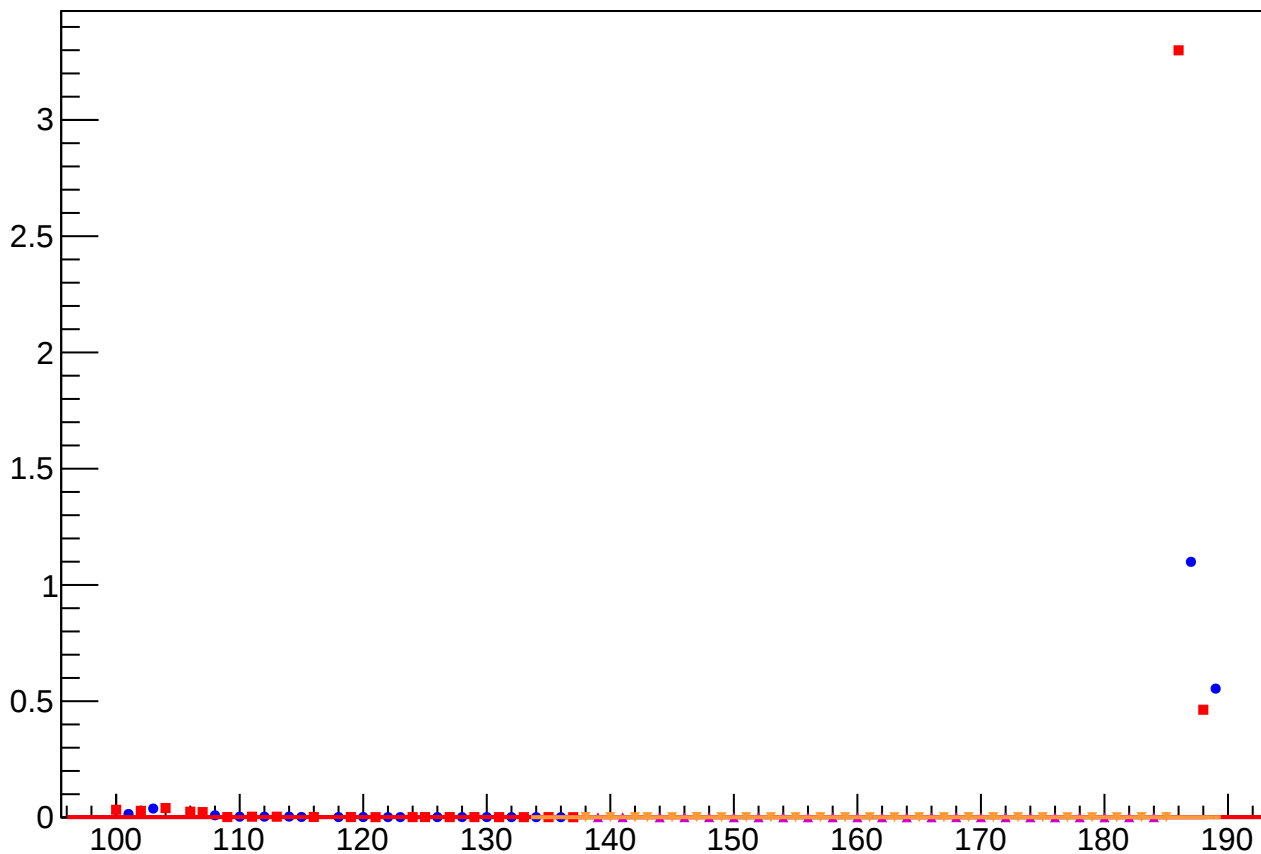
Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

+ sign -0.121+/-0.000 χ^2/NDF : 5909244498.1/43

All: -0.121+/-0.000 χ^2/NDF : 13857935287.4/43

- sign -0.120+/-0.000 χ^2/NDF : 7944657344.6/43

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3953840.1/18

Left Out: 0.001+/-0.000 χ^2/NDF : 1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 5892685.9/20

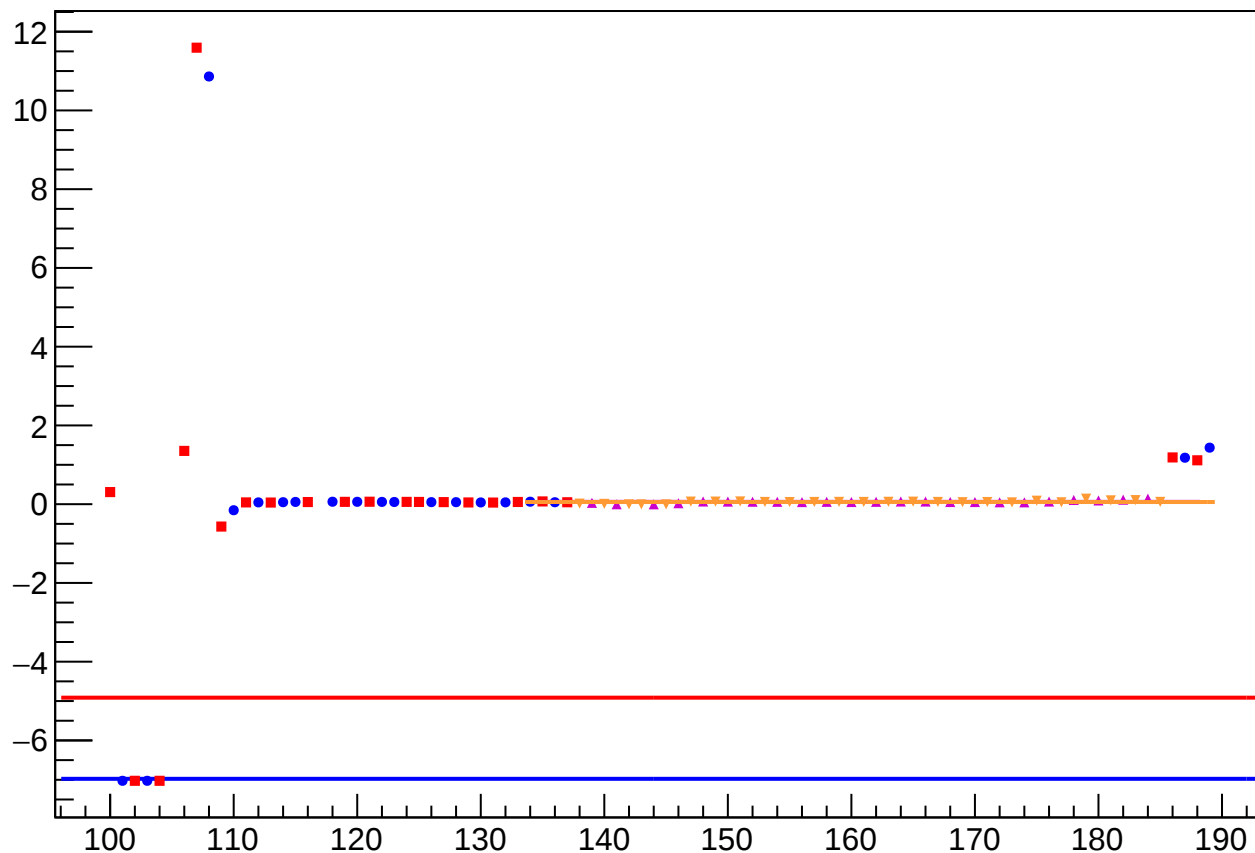
Left In: 0.001+/-0.000 χ^2/NDF : 972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 6473882.7/43

All: 0.001+/-0.000 χ^2/NDF : 14448426.1/87

- sign 0.001+/-0.000 χ^2/NDF : 7972534.9/43

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762478494975.9/18

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348571480750.2/20

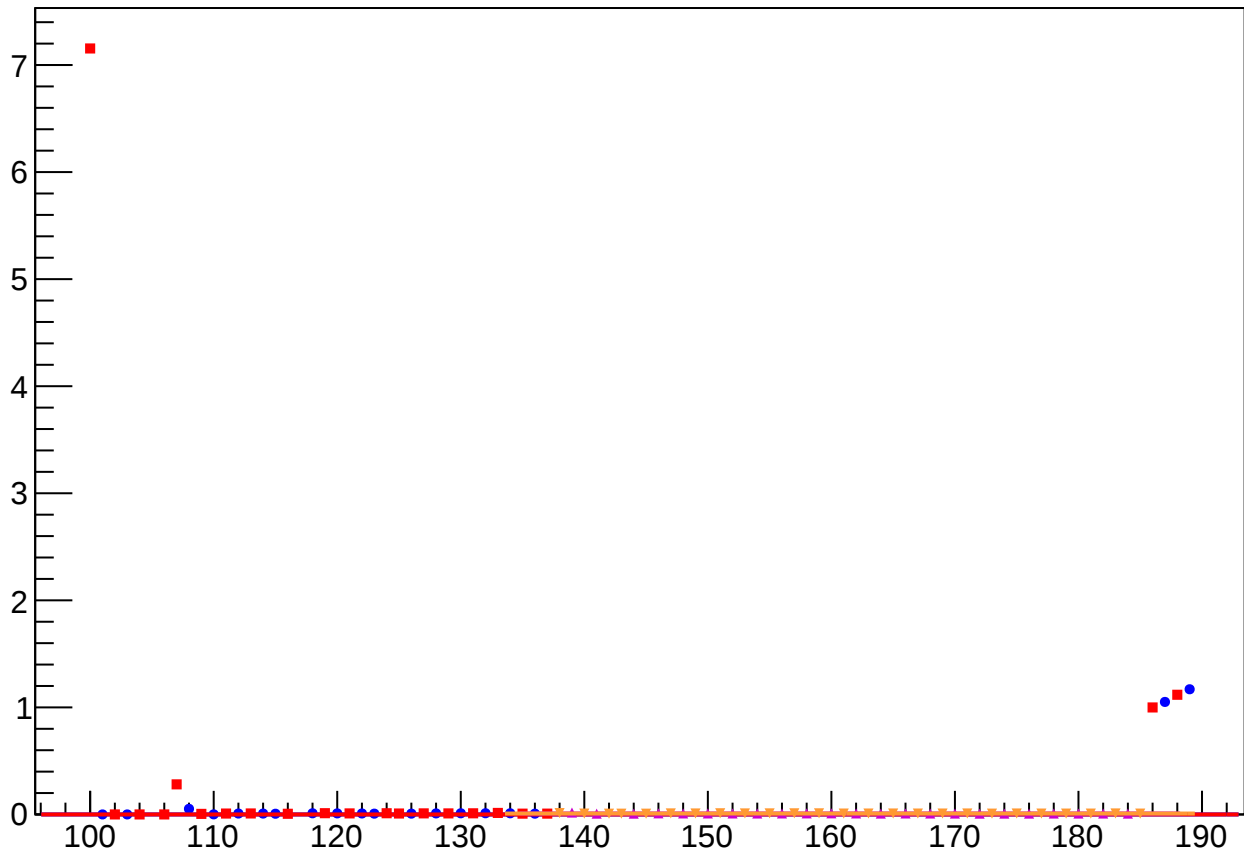
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417468862559.2/18

All: -5.858 ± 0.000 χ^2/NDF : 4435812308577.2/18

- sign -4.882 ± 0.000 χ^2/NDF : 369770863205508.5/18

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9316884.8/18

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11148291.0/20

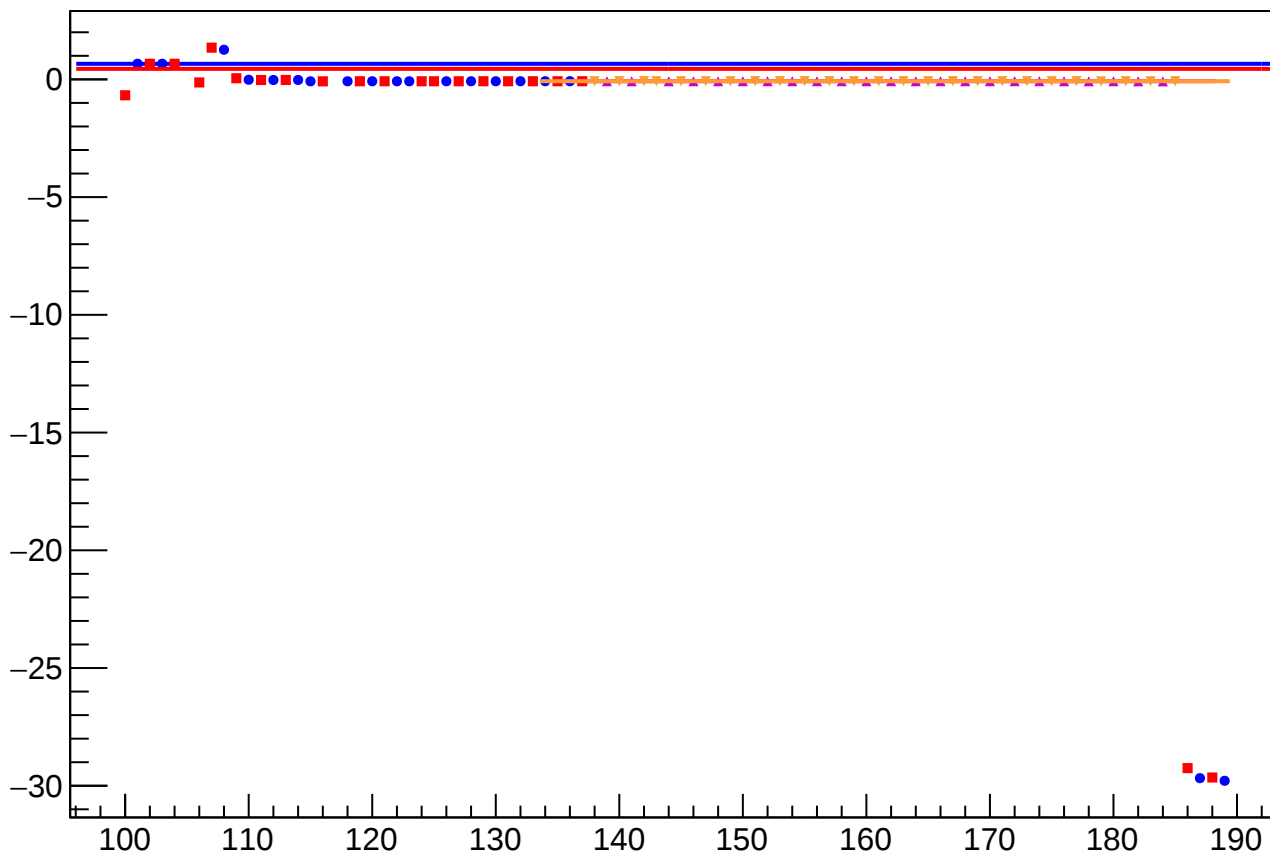
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 38304862.8/43

All: 0.000+/-0.000 χ^2/NDF : 77132022.9/87

- sign 0.000+/-0.000 χ^2/NDF : 38822703.2/43

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5587089923121.8/18

Left Out: -0.078+/-0.000 χ^2/NDF : 156525648.0/24

Right Out: 0.446+/-0.000 χ^2/NDF : 405421798287313.0/20

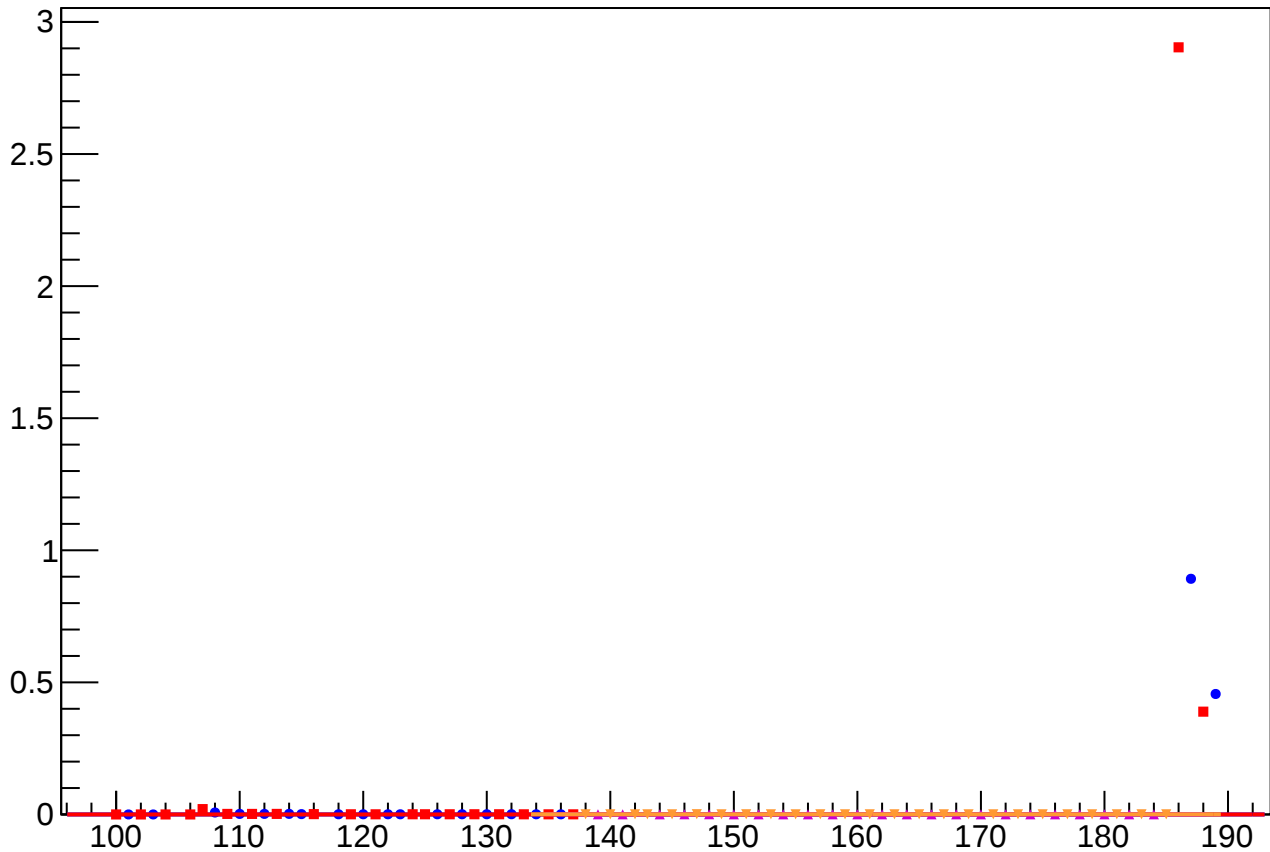
Left In: -0.077+/-0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646+/-0.000 χ^2/NDF : 35754602705406.3/4

All: 0.537+/-0.000 χ^2/NDF : 5159881732692

- sign 0.437+/-0.000 χ^2/NDF : 419653347990055.2/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10914076.6/18

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11830817.5/20

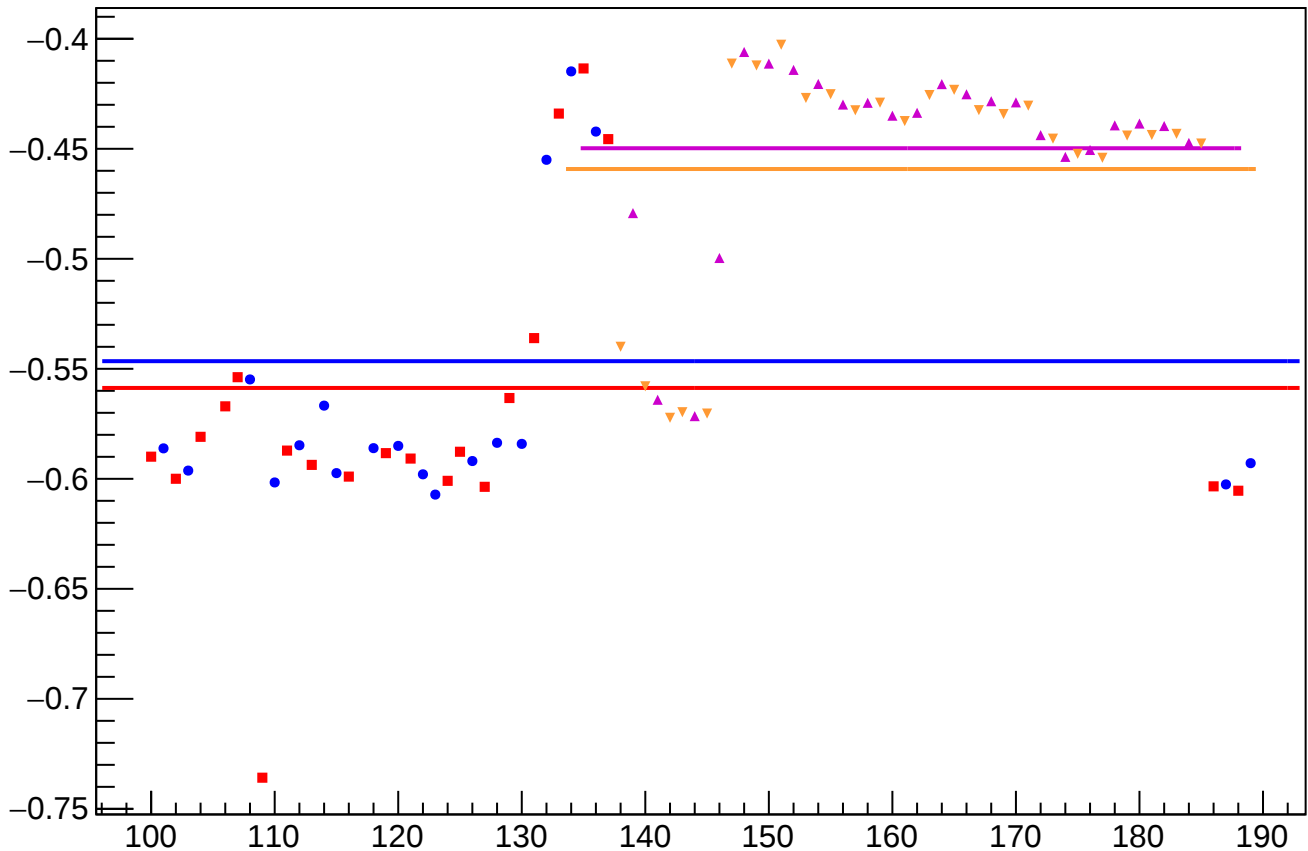
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 43563697.0/43

All: 0.000+/-0.000 χ^2/NDF : 86438796.6/87

- sign 0.000+/-0.000 χ^2/NDF : 42867954.8/43

yield_bpm4aX_mean vs Slug



Right In: -0.547+/-0.000 χ^2/NDF : 46933714.9/18

Left Out: -0.459+/-0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.559+/-0.000 χ^2/NDF : 64887822.9/20

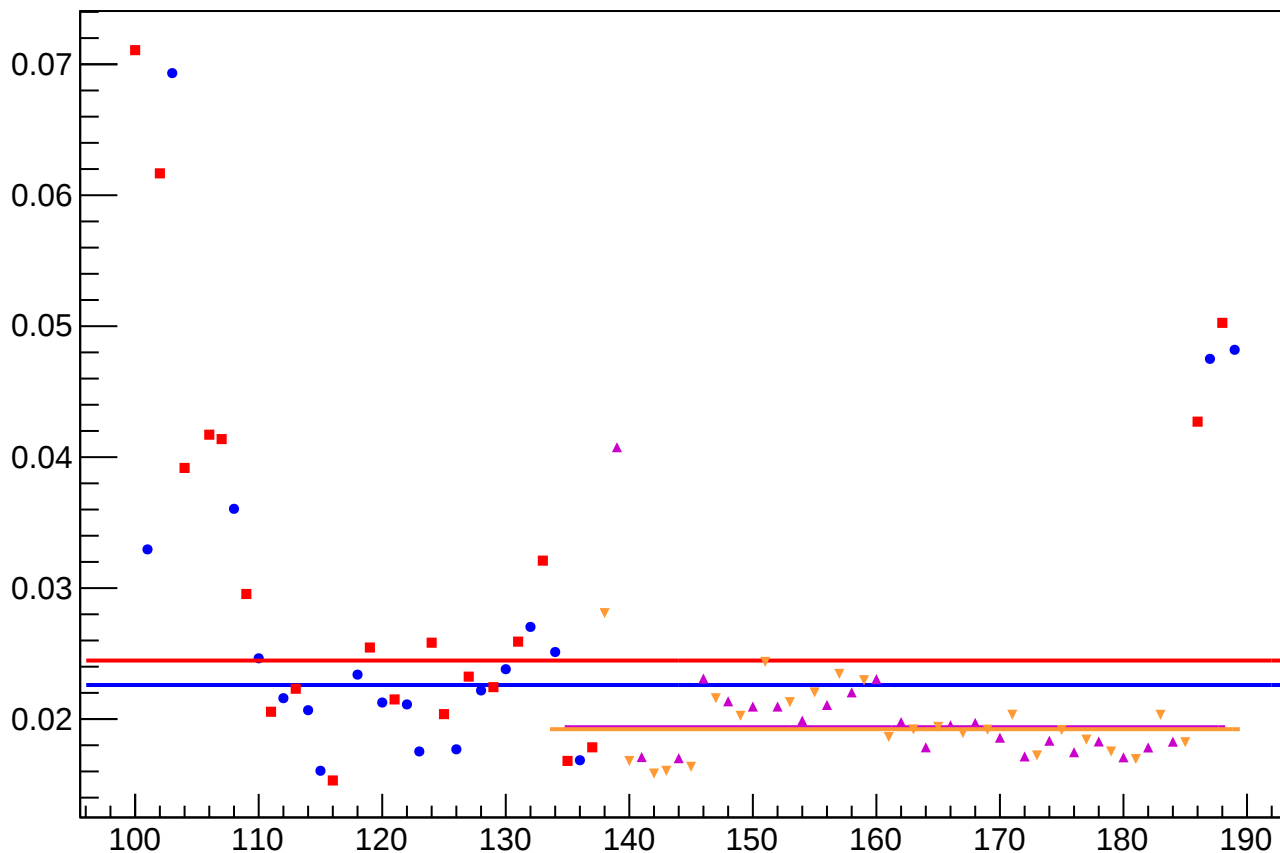
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.477+/-0.000 χ^2/NDF : 224815414.3/43

All: -0.475+/-0.000 χ^2/NDF : 462490456.6/87

- sign -0.473+/-0.000 χ^2/NDF : 237269642.2/43

yield_bpm4aX_rms vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 1268842.7/18

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 501253.7/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 1753712.6/20

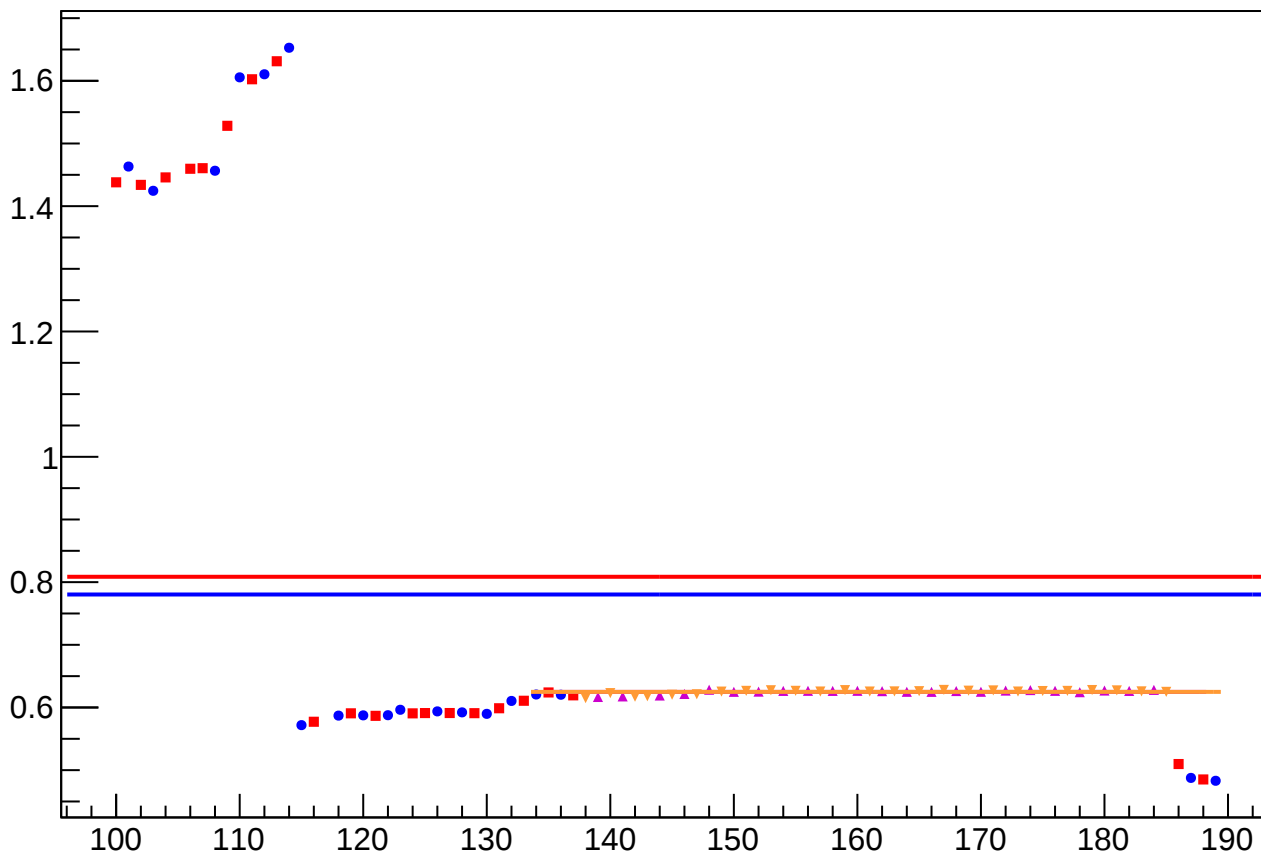
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 656155.9/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1961467.4/43

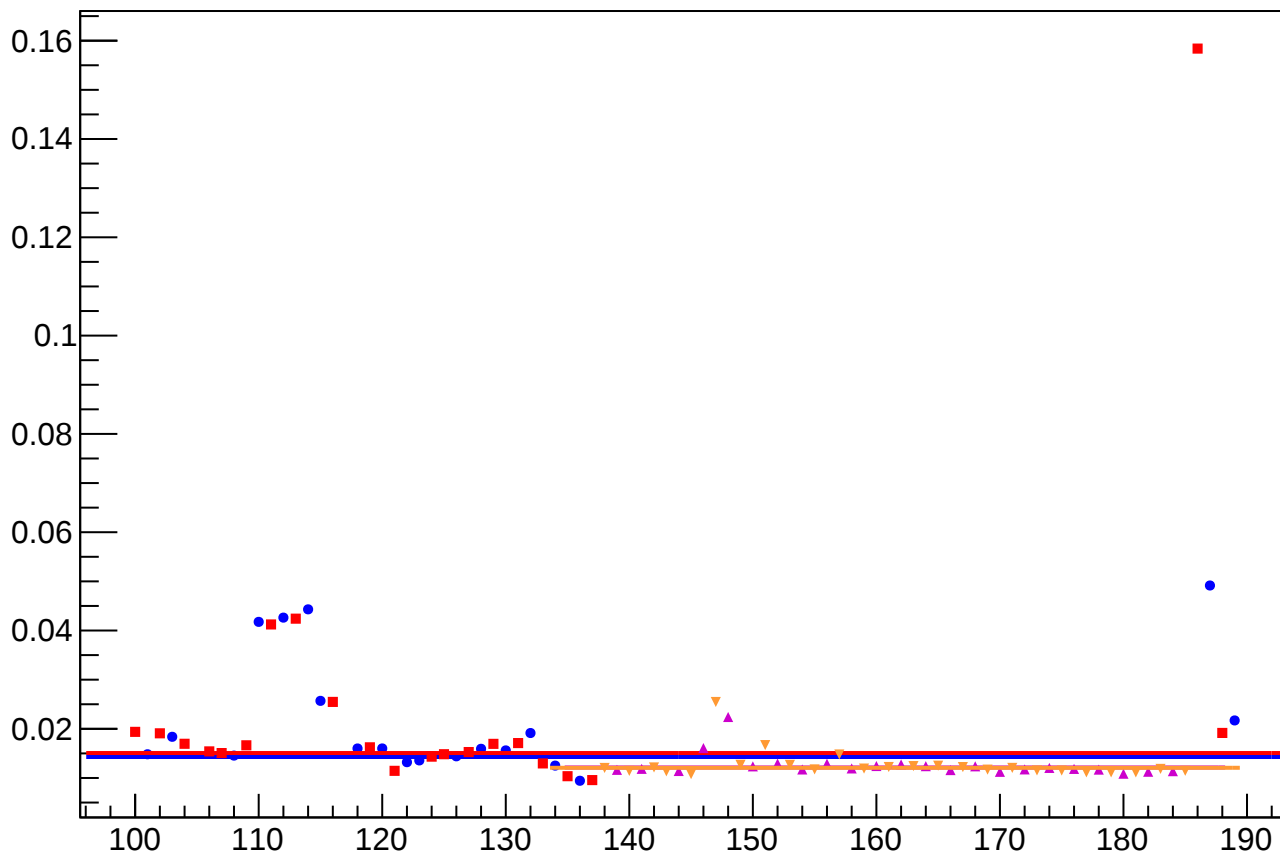
All: 0.020 $\pm$ 0.000 χ^2 /NDF: 4806514.8/87

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2830126.2/43

yield_bpm4aY_mean vs Slug



yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1626148.0/18

Left Out: 0.012+/-0.000 χ^2/NDF : 657433.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1923746.5/20

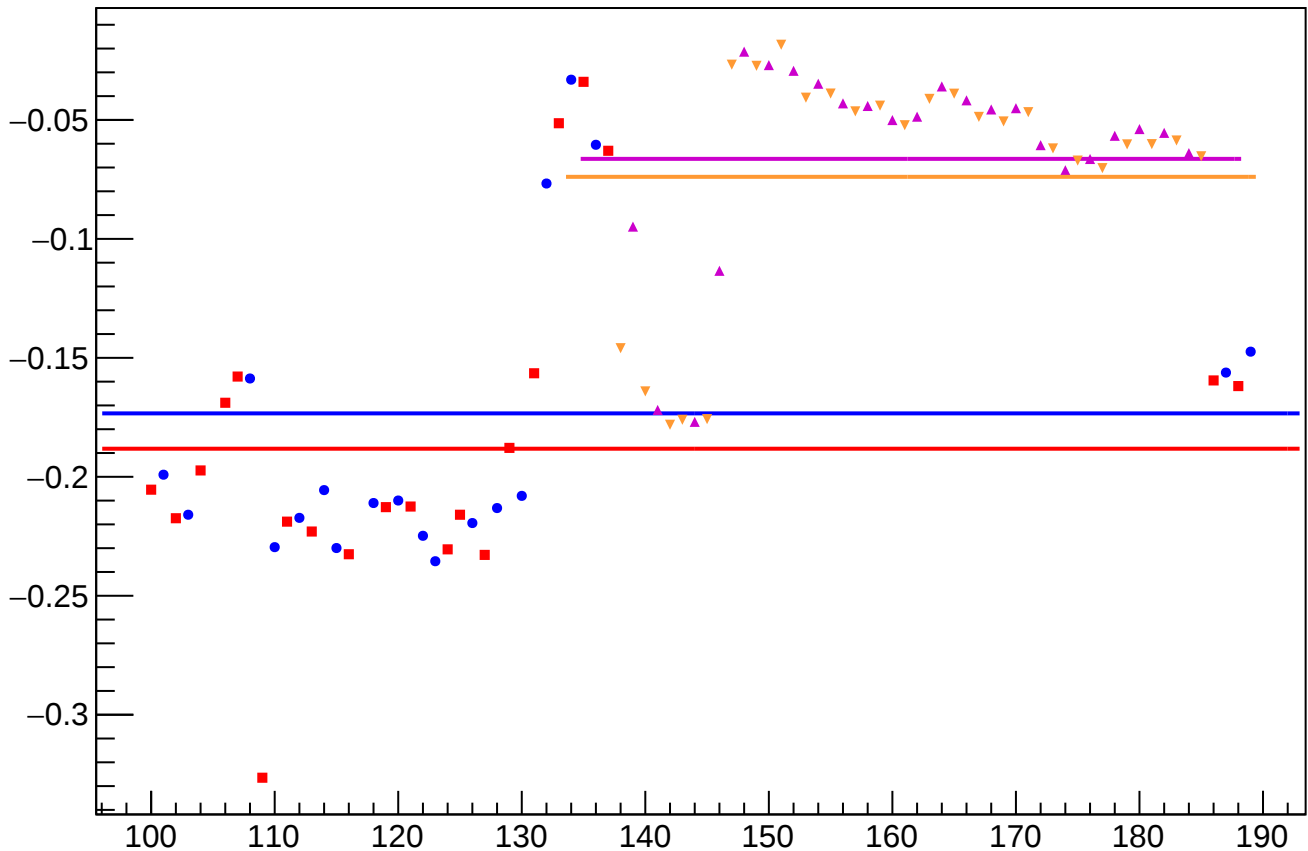
Left In: 0.012+/-0.000 χ^2/NDF : 488249.4/22

+ sign 0.013+/-0.000 χ^2/NDF : 2511926.3/43

All: 0.013+/-0.000 χ^2/NDF : 5344462.3/87

- sign 0.013+/-0.000 χ^2/NDF : 2823566.8/43

yield_bpm4eX_mean vs Slug



Right In: -0.173+/-0.000 χ^2/NDF : 66953093.3/18

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.188+/-0.000 χ^2/NDF : 81836597.0/20

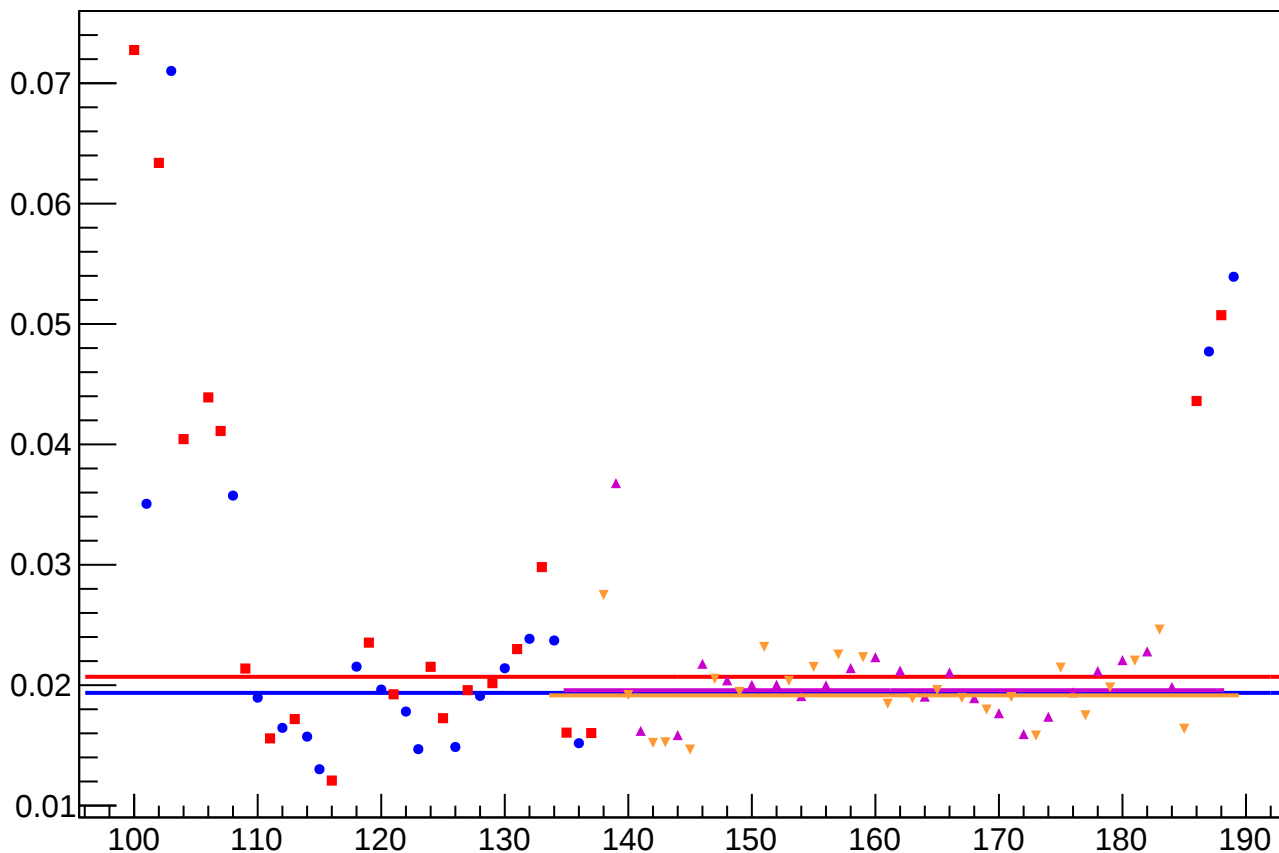
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.099+/-0.000 χ^2/NDF : 278302177.8/43

All: -0.099+/-0.000 χ^2/NDF : 586983543.7/87

- sign -0.099+/-0.000 χ^2/NDF : 308680432.4/43

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1648294.6/18

Left Out: 0.019+/-0.000 χ^2/NDF : 641027.3/24

Right Out: 0.021+/-0.000 χ^2/NDF : 2271753.0/20

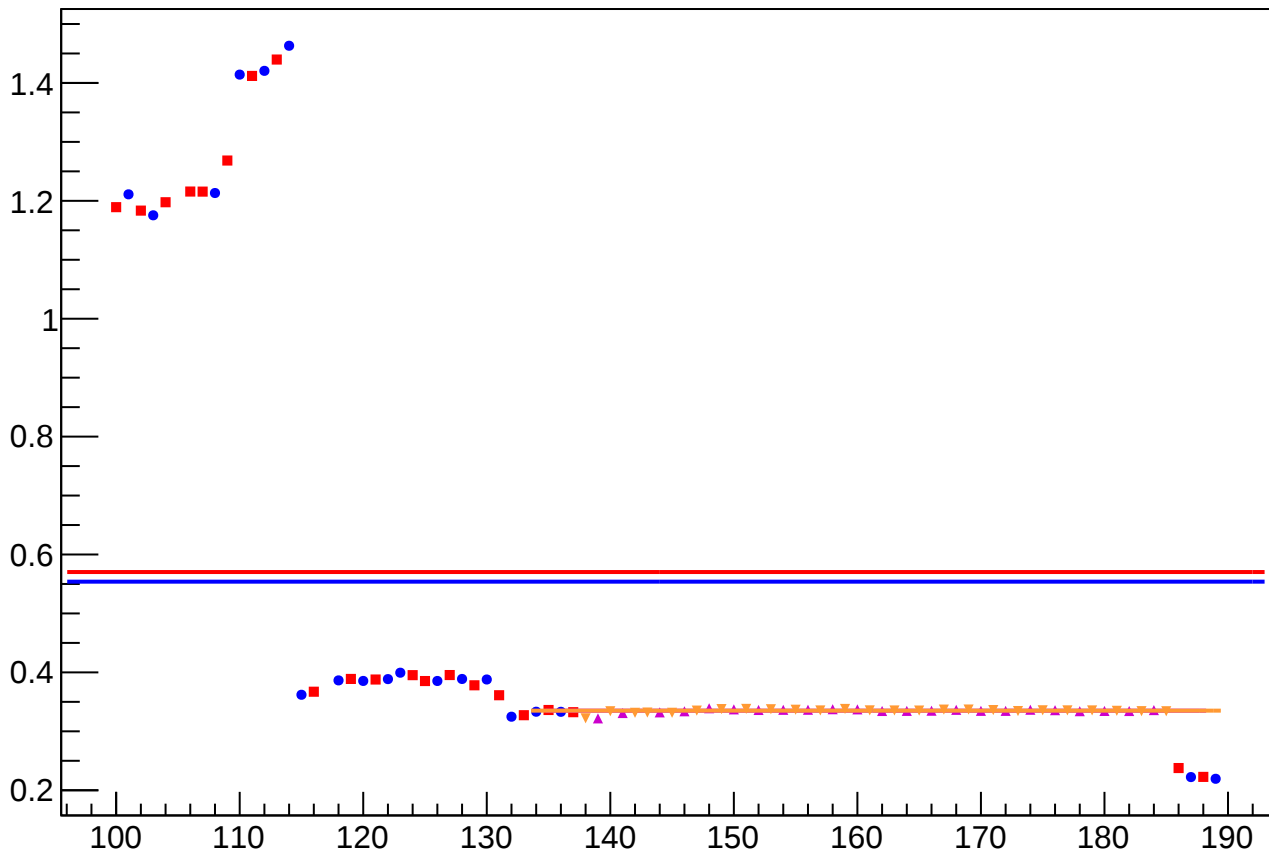
Left In: 0.020+/-0.000 χ^2/NDF : 651328.7/22

+ sign 0.019+/-0.000 χ^2/NDF : 2290213.4/43

All: 0.020+/-0.000 χ^2/NDF : 5262858.5/87

- sign 0.020+/-0.000 χ^2/NDF : 2948362.7/43

yield_bpm4eY_mean vs Slug



Right In: 0.554+/-0.000 χ^2/NDF : 5191614530.6/18

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

+ sign 0.382+/-0.000 χ^2/NDF : 6662429817.5/43

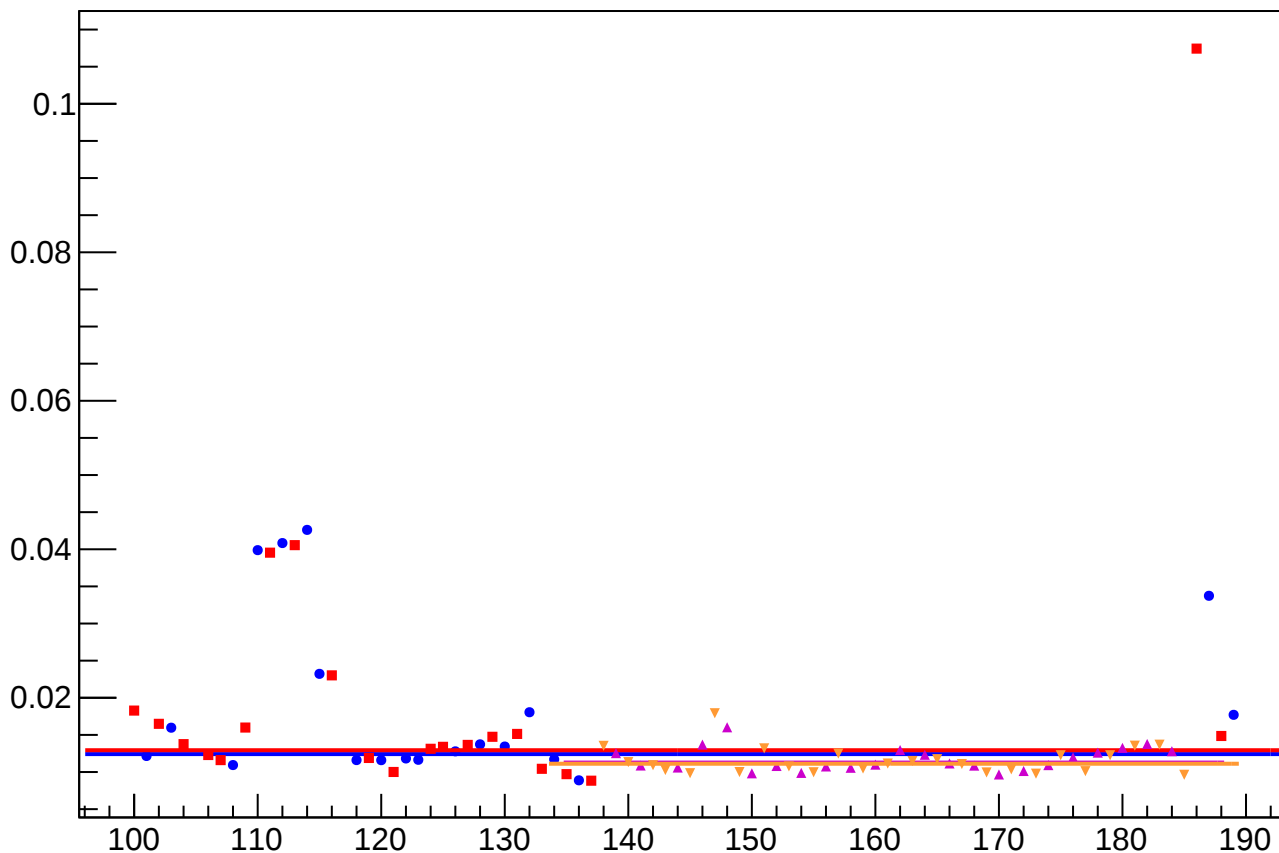
Right Out: 0.570+/-0.000 χ^2/NDF : 6032565354.5/20

All: 0.386+/-0.000 χ^2/NDF : 14411461320.7/8

- sign 0.391+/-0.000 χ^2/NDF : 7743298697.2/43

Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1492791.4/18

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1850084.1/20

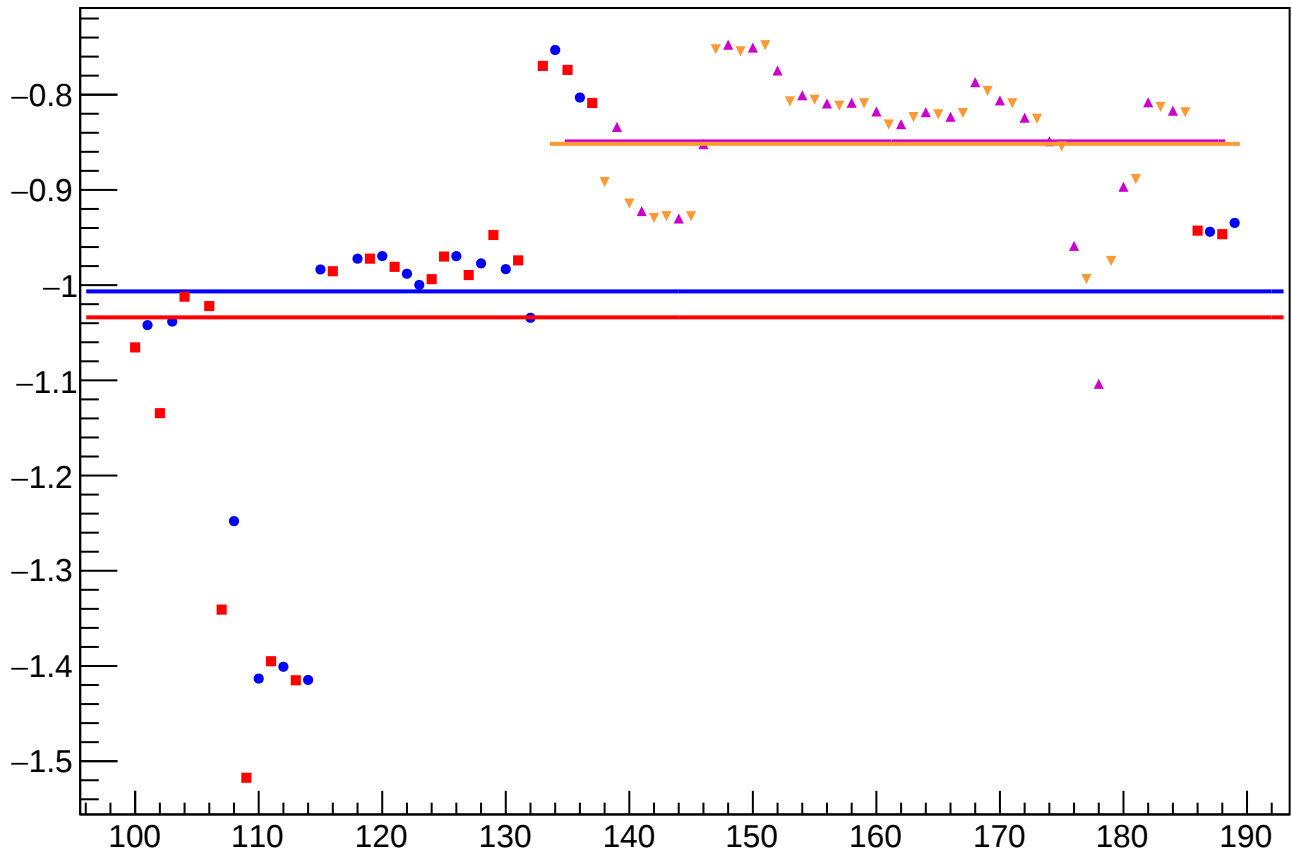
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502226.7/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2204557.9/43

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4740331.4/87

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2523011.6/43

yield_bpm4acX_mean vs Slug



Right In: -1.007 ± 0.000 χ^2/NDF : 394322760.8/18

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.034 ± 0.000 χ^2/NDF : 539066325.9/20

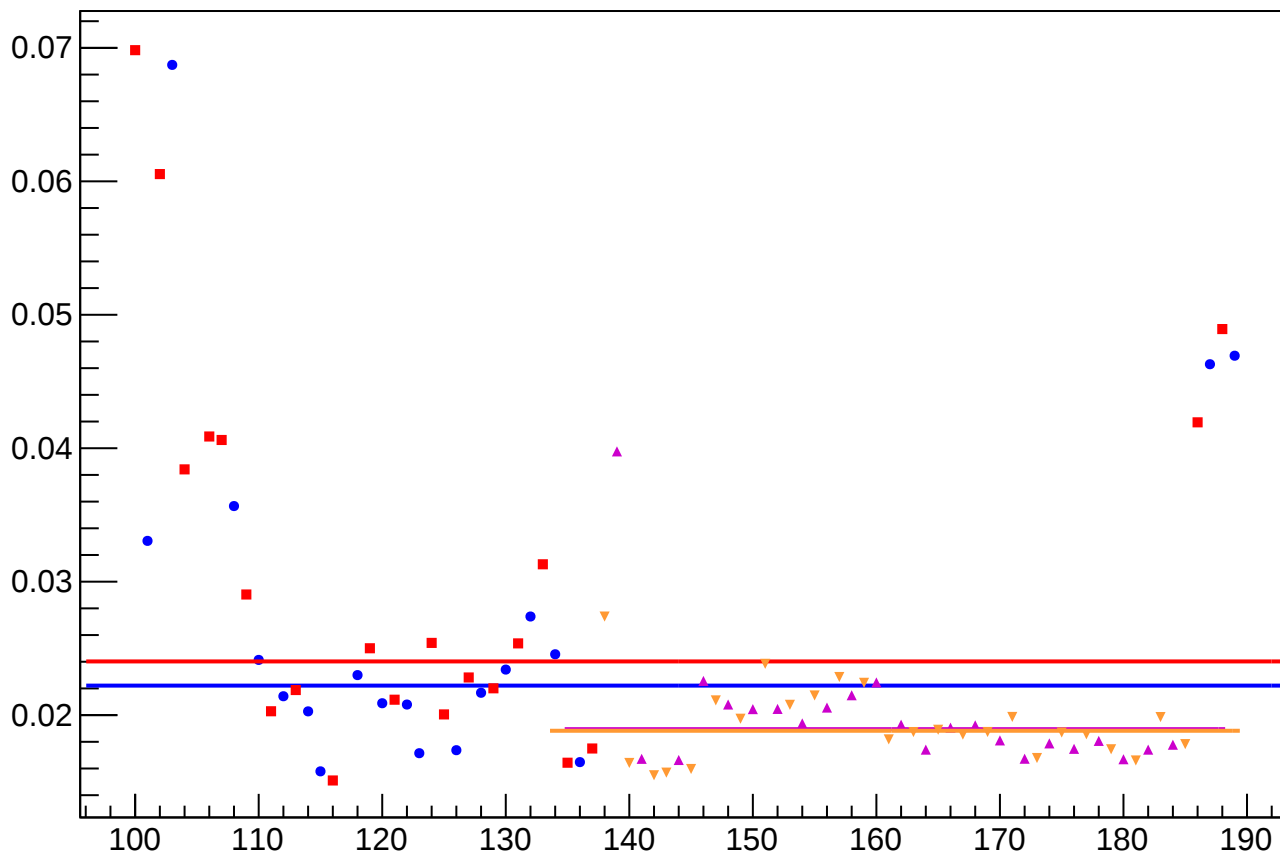
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792392114.6/43

All: -0.886 ± 0.000 χ^2/NDF : 1875985558.1/8

- sign -0.889 ± 0.000 χ^2/NDF : 1082945989.4/43

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 1289141.7/18

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490084.5/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 1742897.4/20

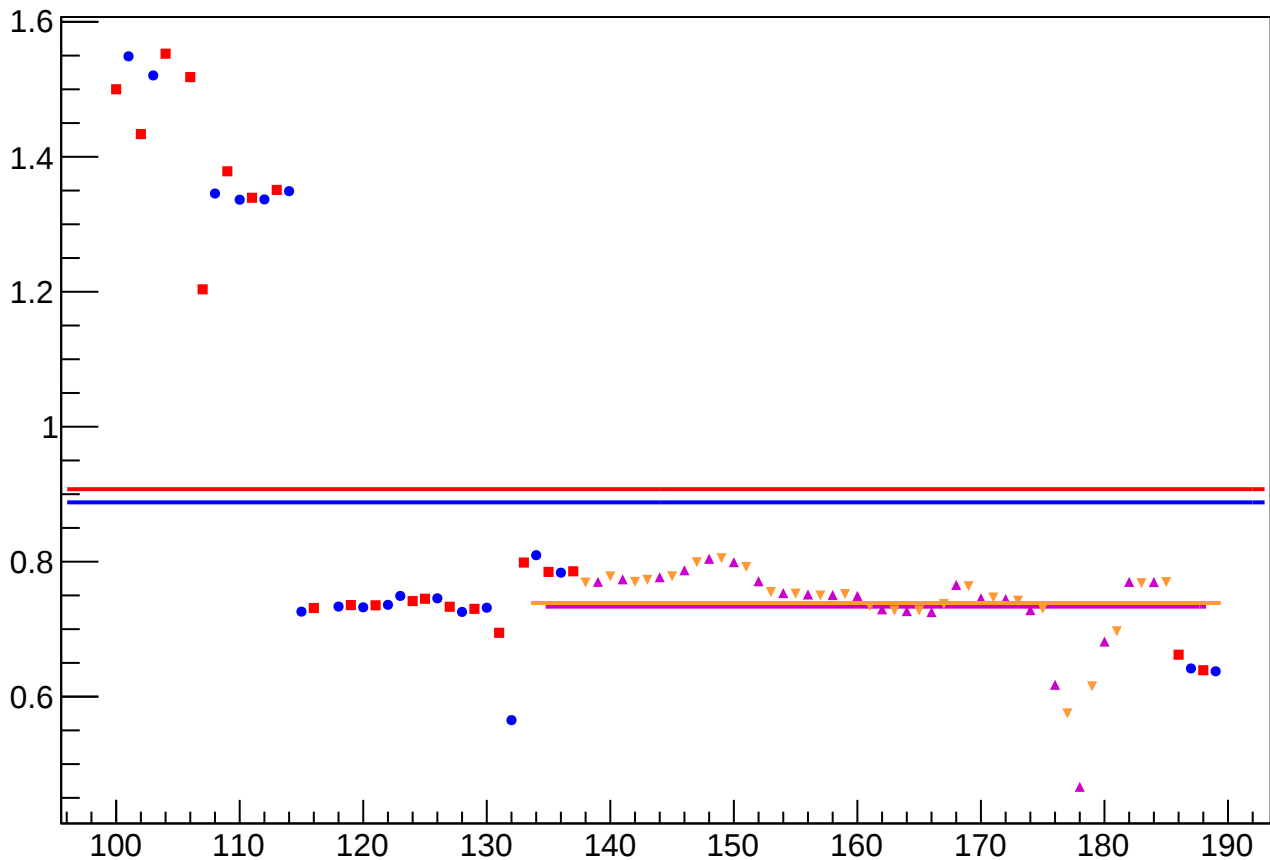
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 645048.1/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1978435.4/43

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 4813158.6/87

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2821307.1/43

yield_bpm4acY_mean vs Slug



Right In: 0.888 $\pm$ 0.000 χ^2/NDF : 2446634818.2/18

Left Out: 0.739 $\pm$ 0.000 χ^2/NDF : 333086309.0/24

+ sign 0.767 $\pm$ 0.000 χ^2/NDF : 3288940008.1/43

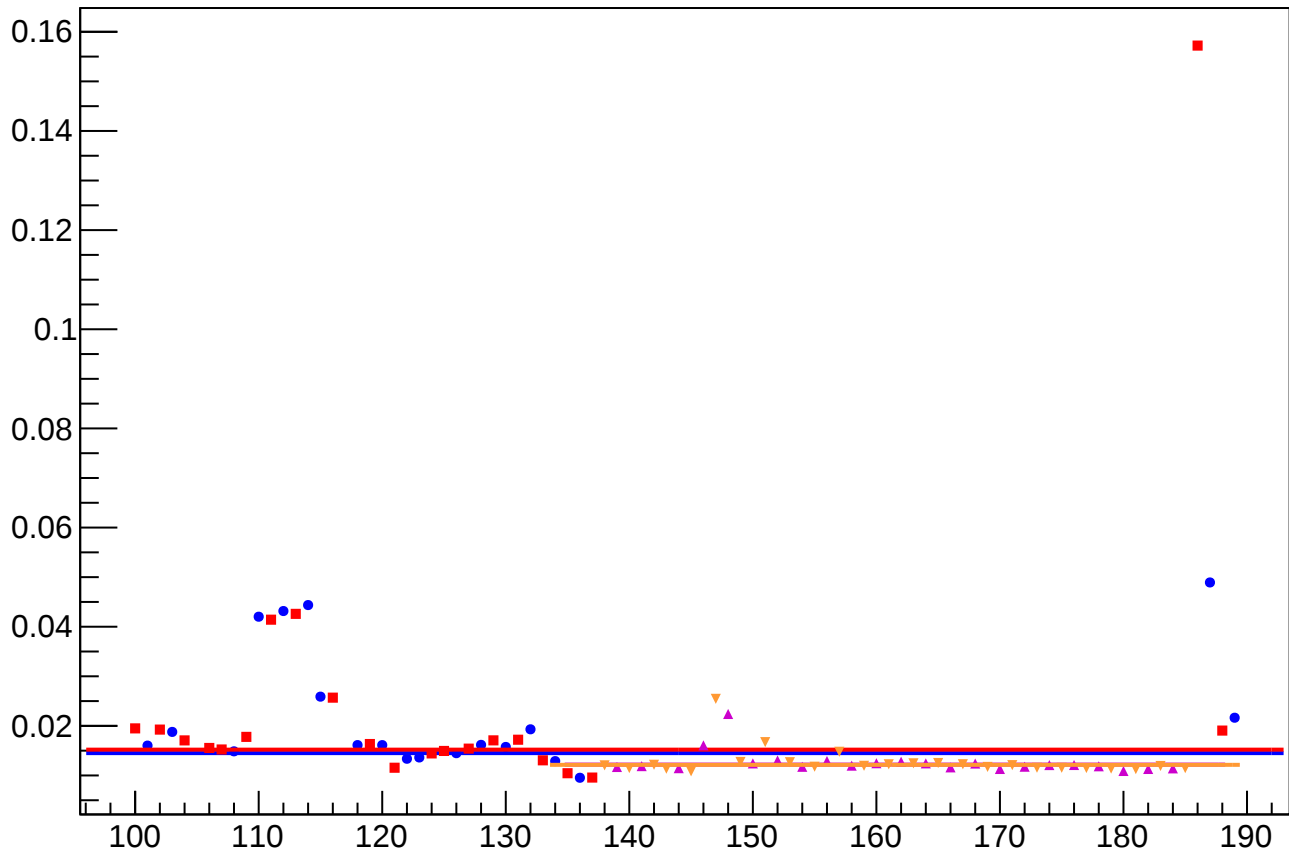
Right Out: 0.907 $\pm$ 0.000 χ^2/NDF : 2597800780.3/20

All: 0.768 $\pm$ 0.000 χ^2/NDF : 7165746785.4/87

- sign 0.769 $\pm$ 0.000 χ^2/NDF : 3876529927.9/43

Left In: 0.733 $\pm$ 0.000 χ^2/NDF : 570264411.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1627700.9/18

Left Out: 0.012+/-0.000 χ^2/NDF : 638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1923619.4/20

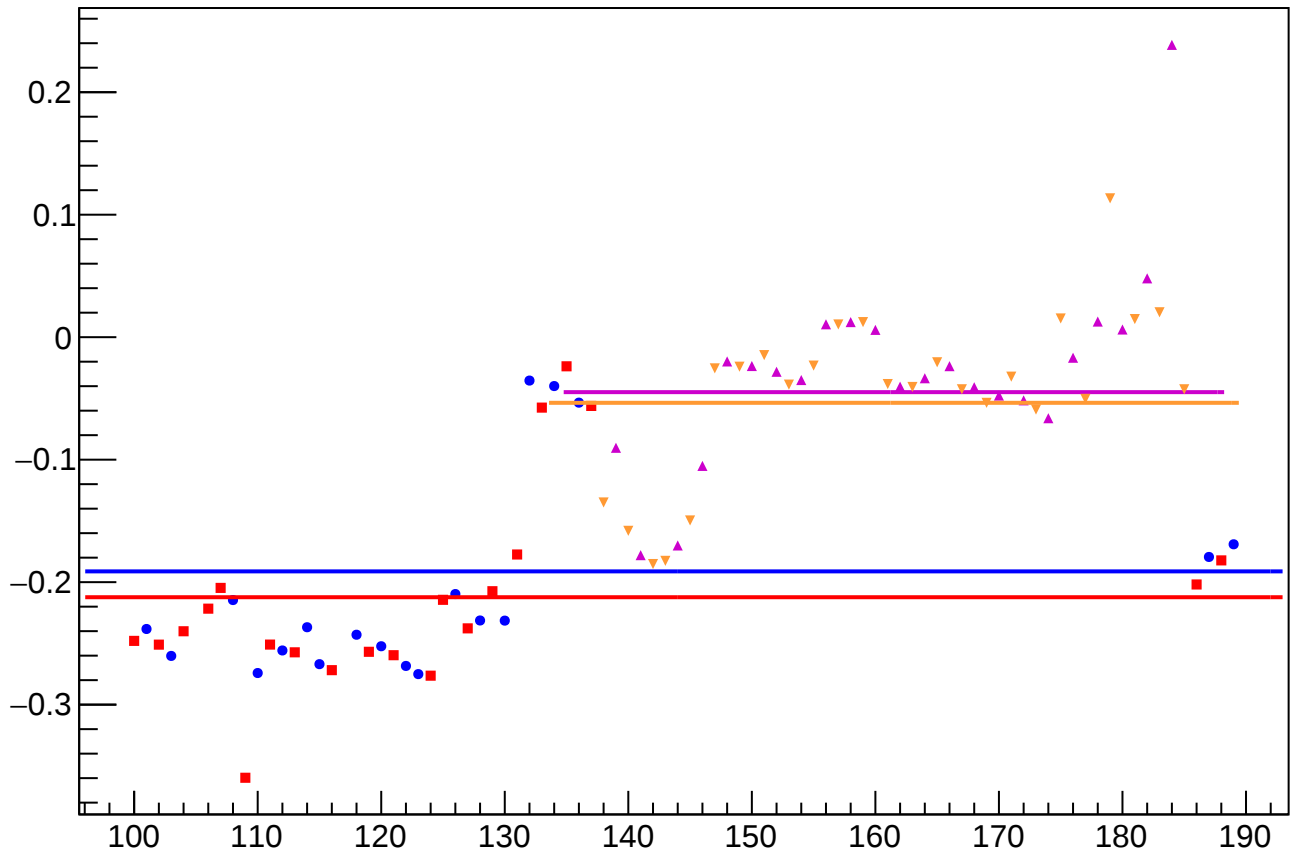
Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 2521663.6/43

All: 0.013+/-0.000 χ^2/NDF : 5359130.6/87

- sign 0.013+/-0.000 χ^2/NDF : 2830434.1/43

yield_bpm4ecX_mean vs Slug



Right In: -0.191 ± 0.000 χ^2/NDF : 106032611.1/18

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.212 ± 0.000 χ^2/NDF : 109927224.9/20

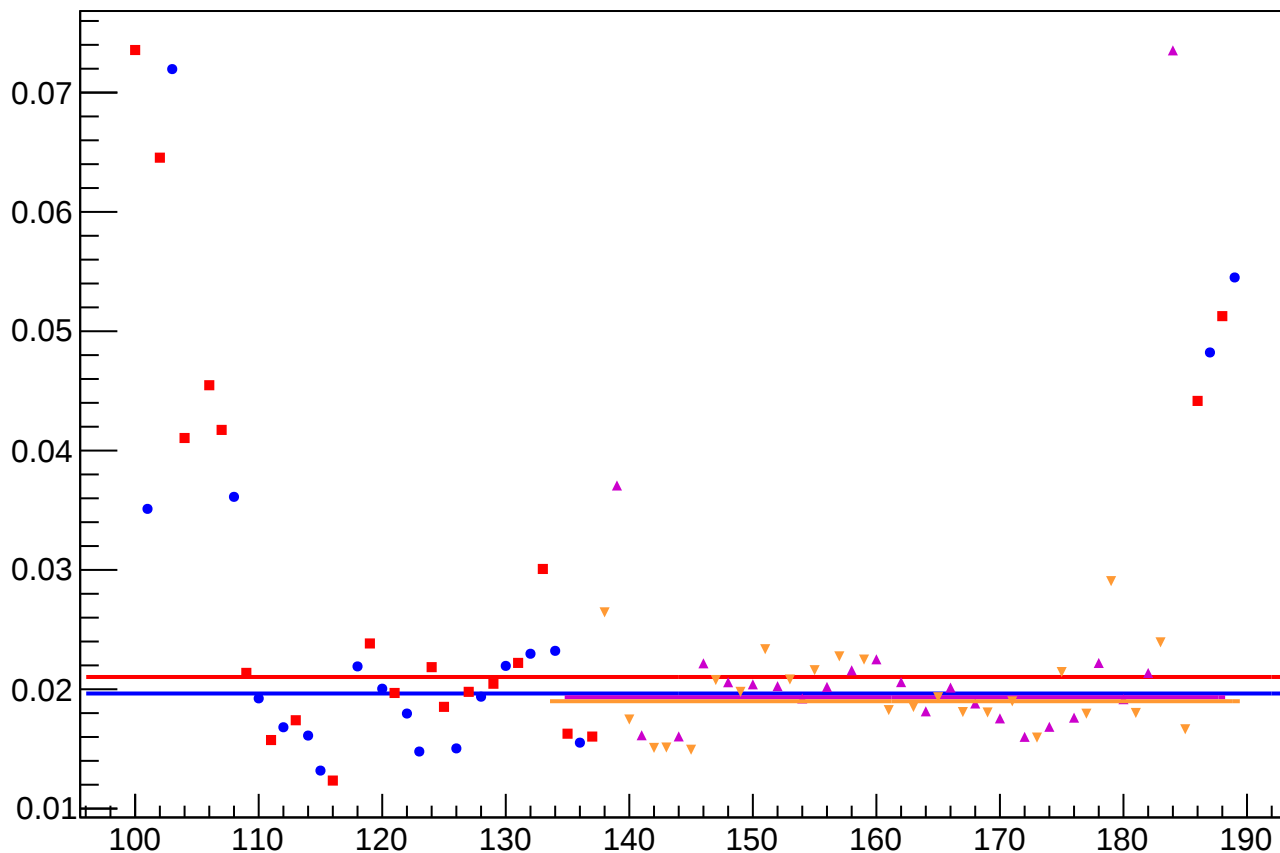
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.088 ± 0.000 χ^2/NDF : 467411705.4/43

All: -0.089 ± 0.000 χ^2/NDF : 982047563.4/87

- sign -0.089 ± 0.000 χ^2/NDF : 514607636.2/43

yield_bpm4ecX_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 1617441.9/18

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 699267.5/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 2257191.5/20

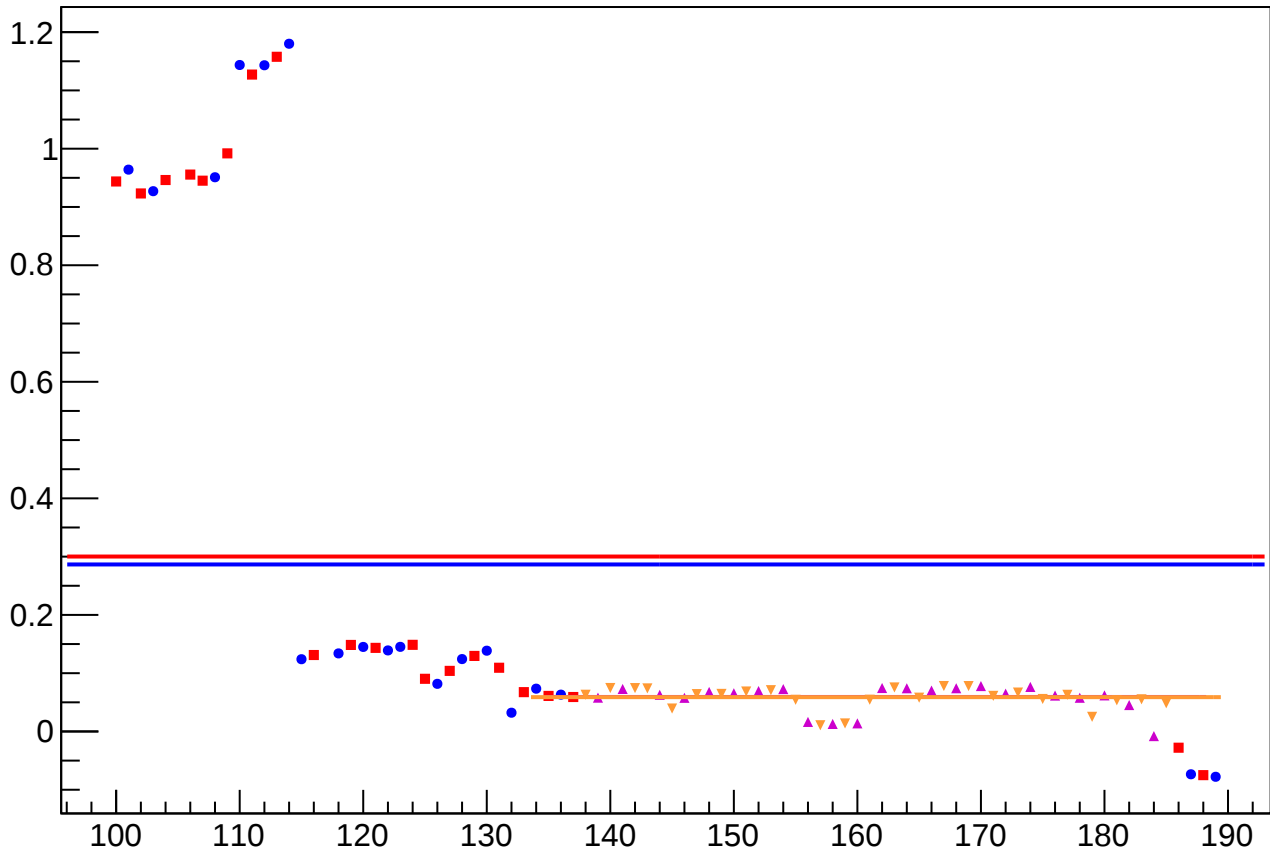
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 892810.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2325267.6/43

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 5552525.5/87

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 3207043.8/43

yield_bpm4ecY_mean vs Slug



Right In: 0.287 $\pm$ 0.000 χ^2 /NDF: 5373422617.0/18

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.300 $\pm$ 0.000 χ^2 /NDF: 6087227838.3/20

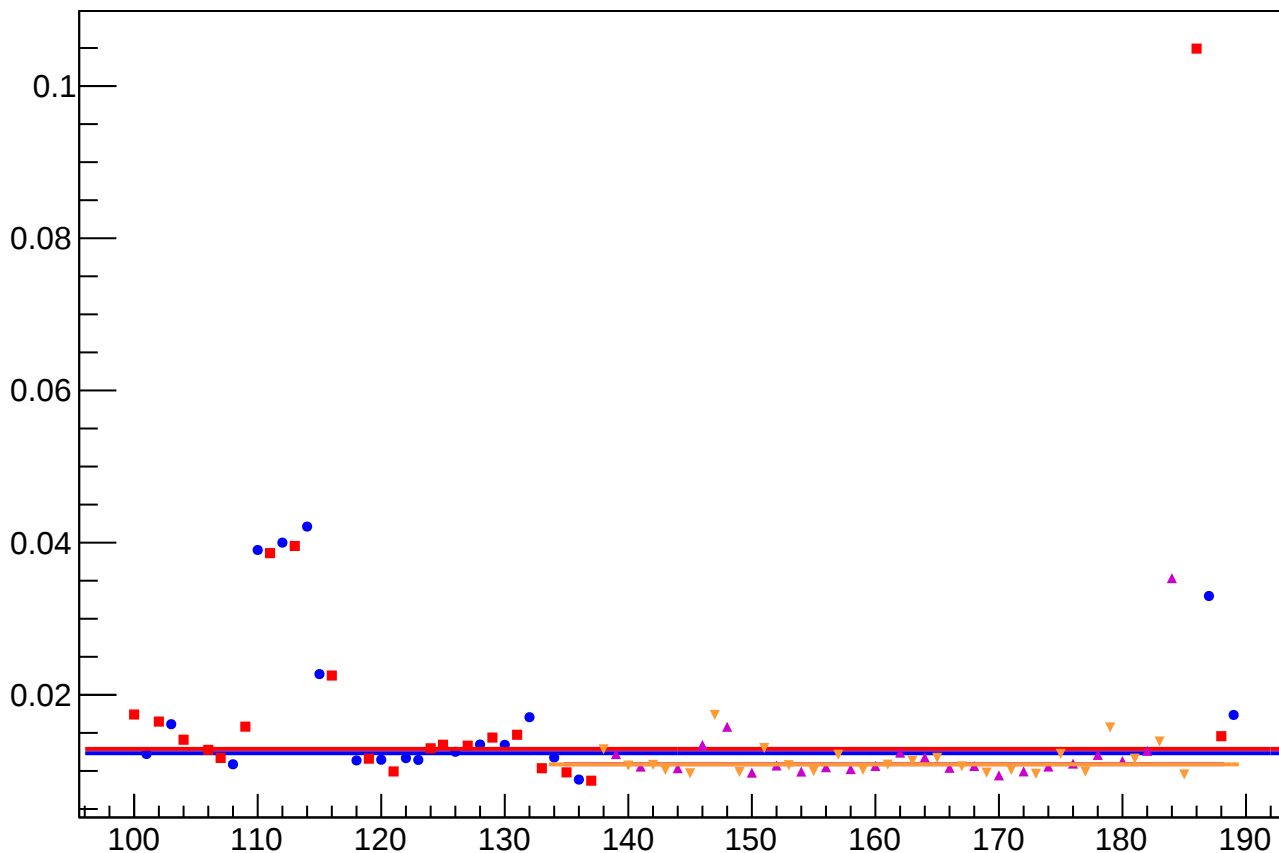
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.108 $\pm$ 0.000 χ^2 /NDF: 7037189367.6/43

All: 0.111 $\pm$ 0.000 χ^2 /NDF: 15010101580.0/8

- sign 0.114 $\pm$ 0.000 χ^2 /NDF: 7969317034.8/43

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1459137.5/18

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1809327.0/20

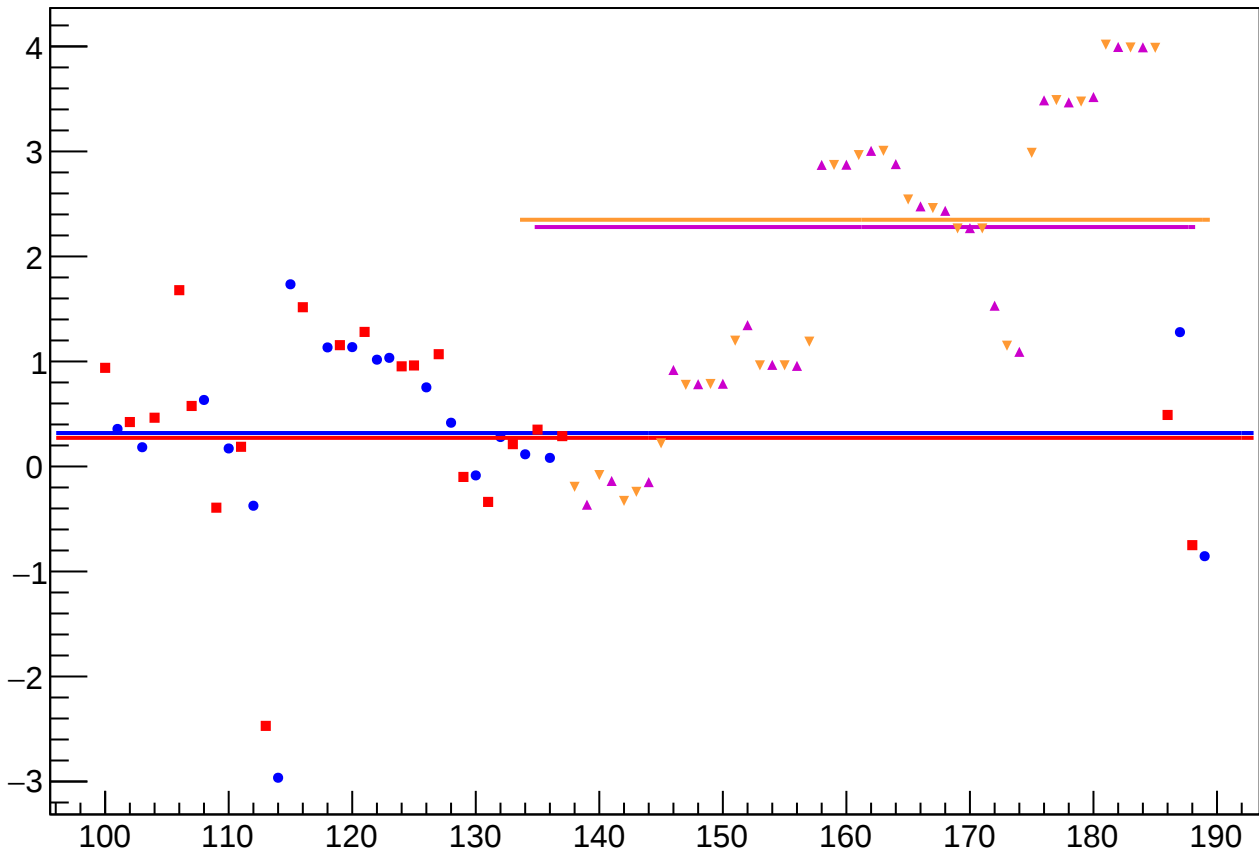
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:529867.3/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2198301.5/43

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4794693.9/87

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2591156.1/43

yield_bpm1X_mean vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 524148574.9/18

Left Out: 2.349 ± 0.000 χ^2/NDF : 63600066268.3/24

+ sign 2.274 ± 0.000 χ^2/NDF : 71929469044.5/43

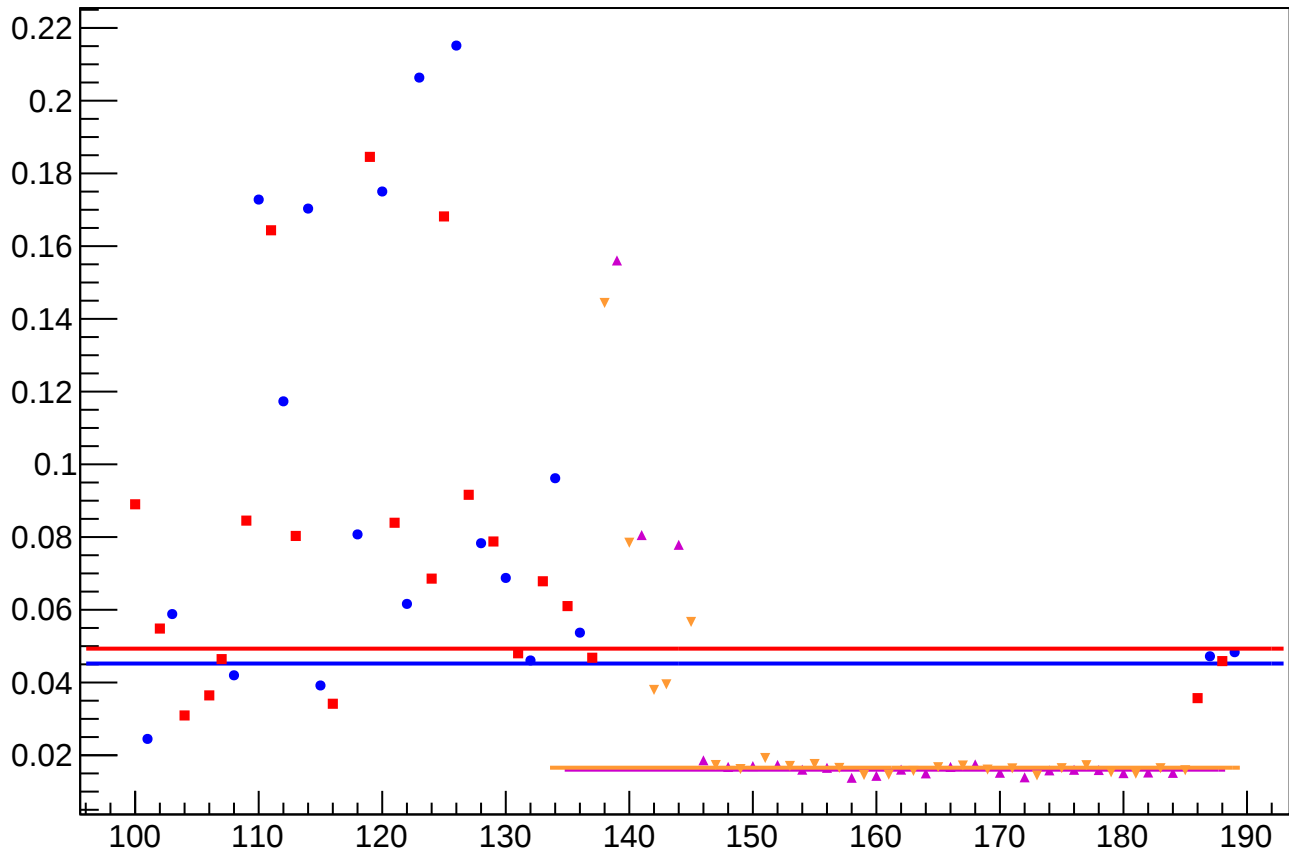
Right Out: 0.272 ± 0.000 χ^2/NDF : 1478273499.8/20

All: 2.237 ± 0.000 χ^2/NDF : 143256551795.6

Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

- sign 2.201 ± 0.000 χ^2/NDF : 71183811054.0/43

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2776822.3/18

Left Out: 0.017+/-0.000 χ^2/NDF :2623615.6/24

Right Out: 0.049+/-0.000 χ^2/NDF : 2315896.0/20

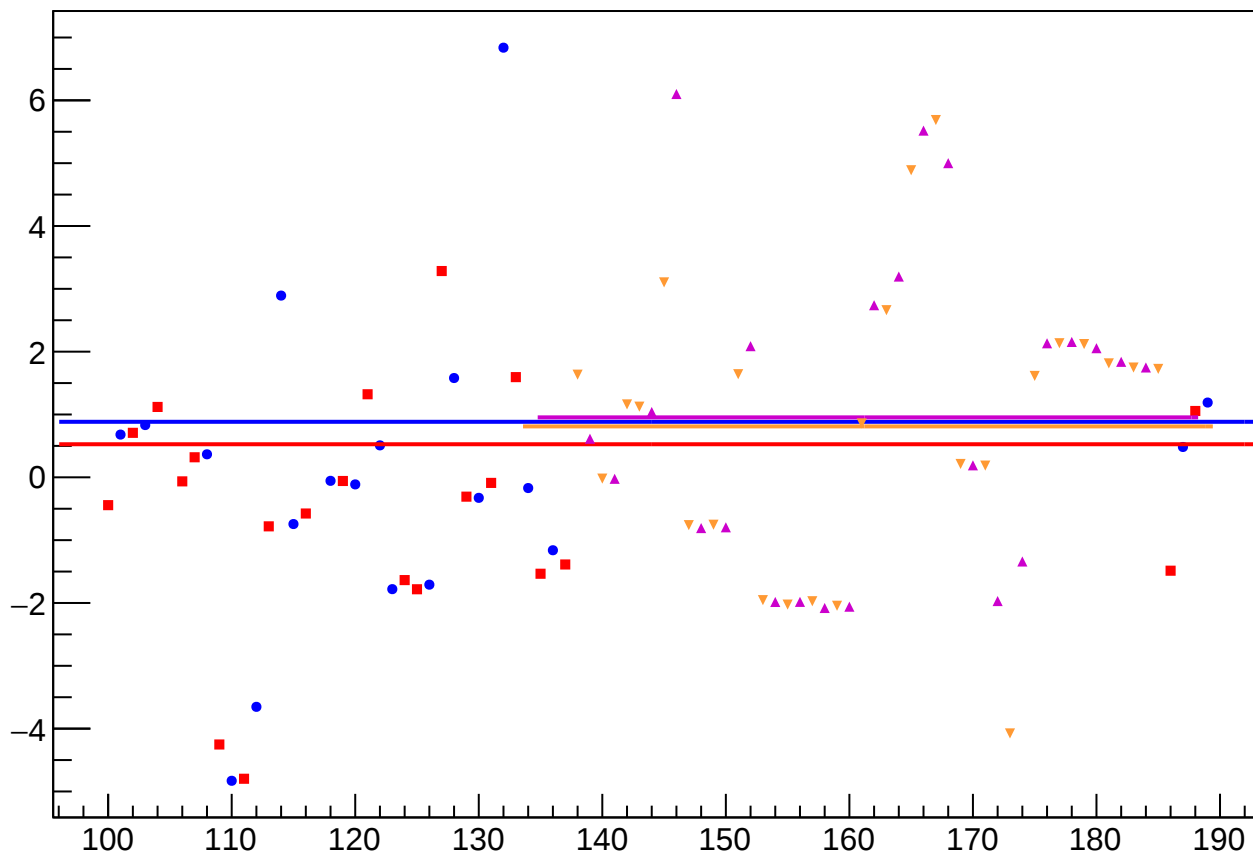
Left In: 0.016+/-0.000 χ^2/NDF :2463853.3/22

+ sign 0.018+/-0.000 χ^2/NDF : 8505628.4/43

All: 0.017+/-0.000 χ^2/NDF : 17831678.1/87

- sign 0.017+/-0.000 χ^2/NDF : 9321253.9/43

yield_bpm1Y_mean vs Slug



Right In: 0.884 $\pm$ 0.000 χ^2 /NDF: 11031663991.3/18

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 0.526 $\pm$ 0.000 χ^2 /NDF: 5334529248.4/20

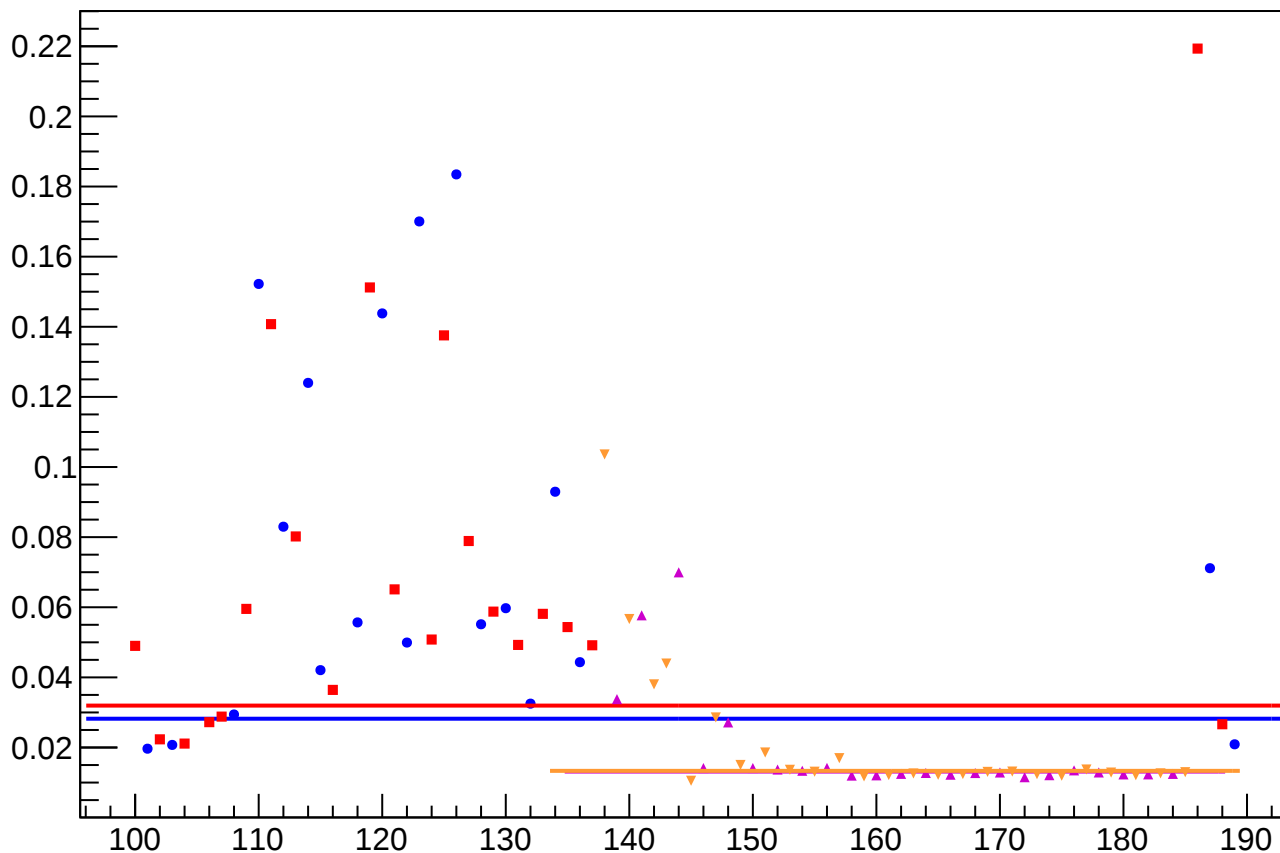
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 0.814 $\pm$ 0.000 χ^2 /NDF: 518638896754.0/43

All: 0.874 $\pm$ 0.000 χ^2 /NDF: 1100184793637.

- sign 0.933 $\pm$ 0.000 χ^2 /NDF: 580912399838.3/43

yield_bpm1Y_rms vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 3159291.0/18

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829070.5/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 3659003.7/20

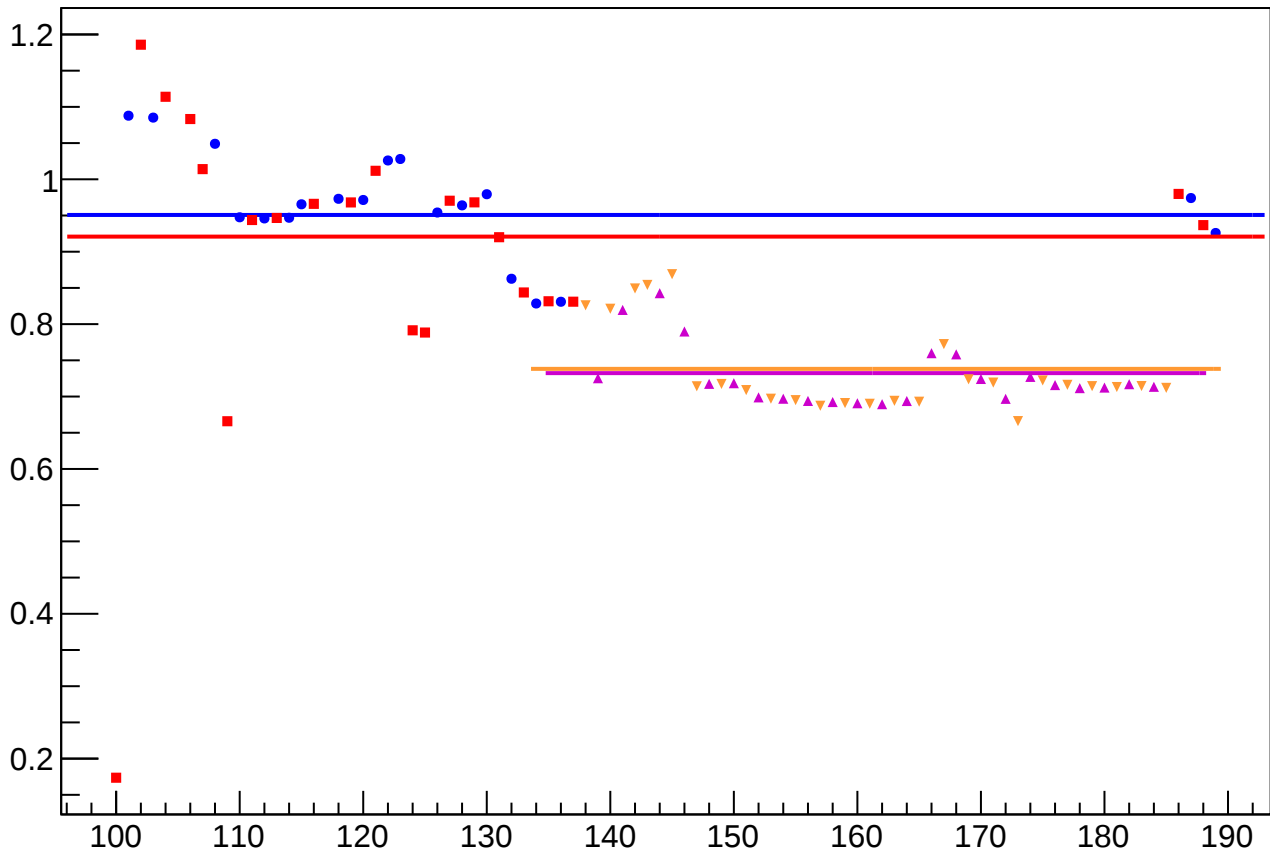
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7965693.9/43

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 16630694.8/87

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8664821.3/43

yield_bpm11X_mean vs Slug



Right In: 0.951 ± 0.000 χ^2/NDF : 174722498.3/18

Left Out: 0.738 ± 0.000 χ^2/NDF : 310610047.7/24

Right Out: 0.921 ± 0.000 χ^2/NDF : 376939181.6/20

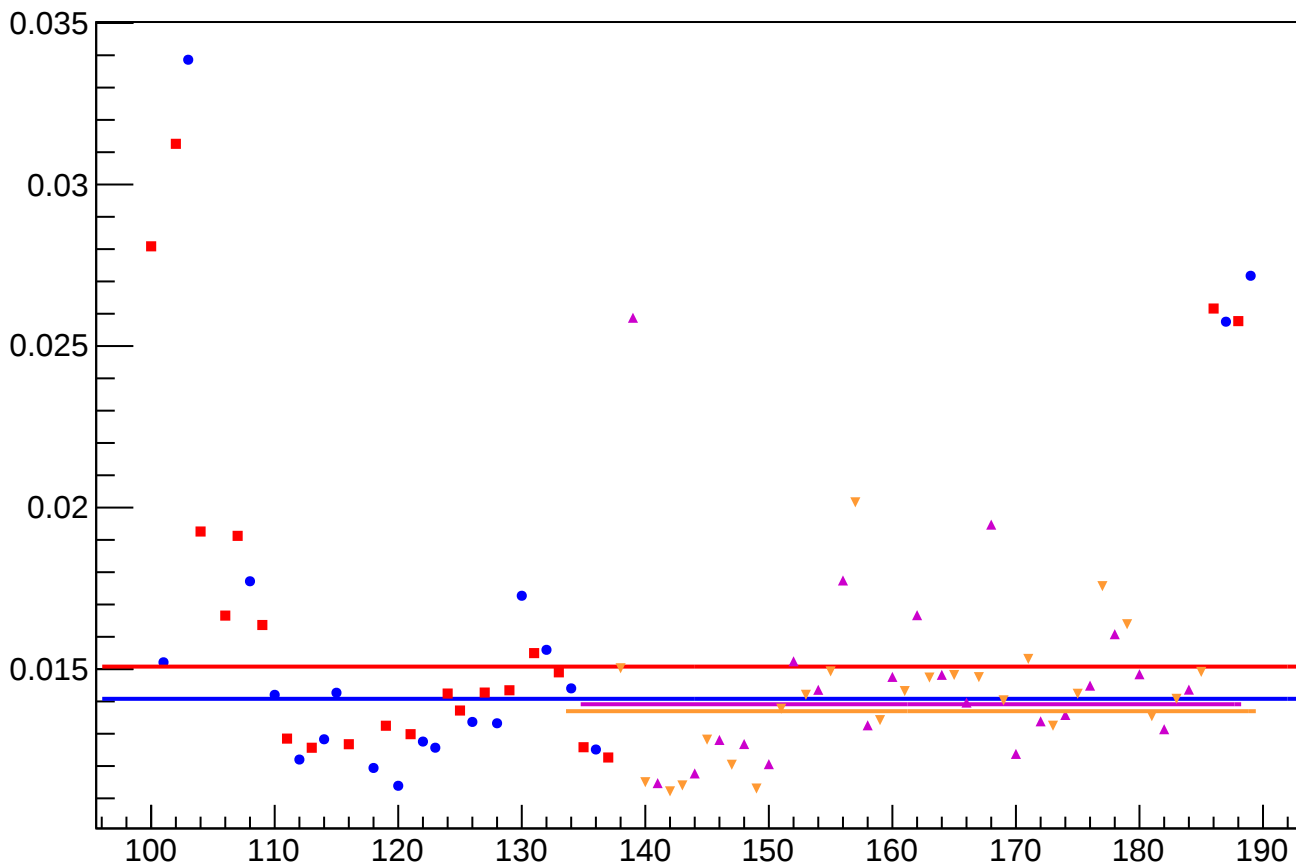
Left In: 0.732 ± 0.000 χ^2/NDF : 170806298.1/22

+ sign 0.794 ± 0.000 χ^2/NDF : 1517372064.2/43

All: 0.790 ± 0.000 χ^2/NDF : 2866781886.4/87

- sign 0.785 ± 0.000 χ^2/NDF : 1344260652.0/43

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 791202.1/18

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 530851.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 964113.6/20

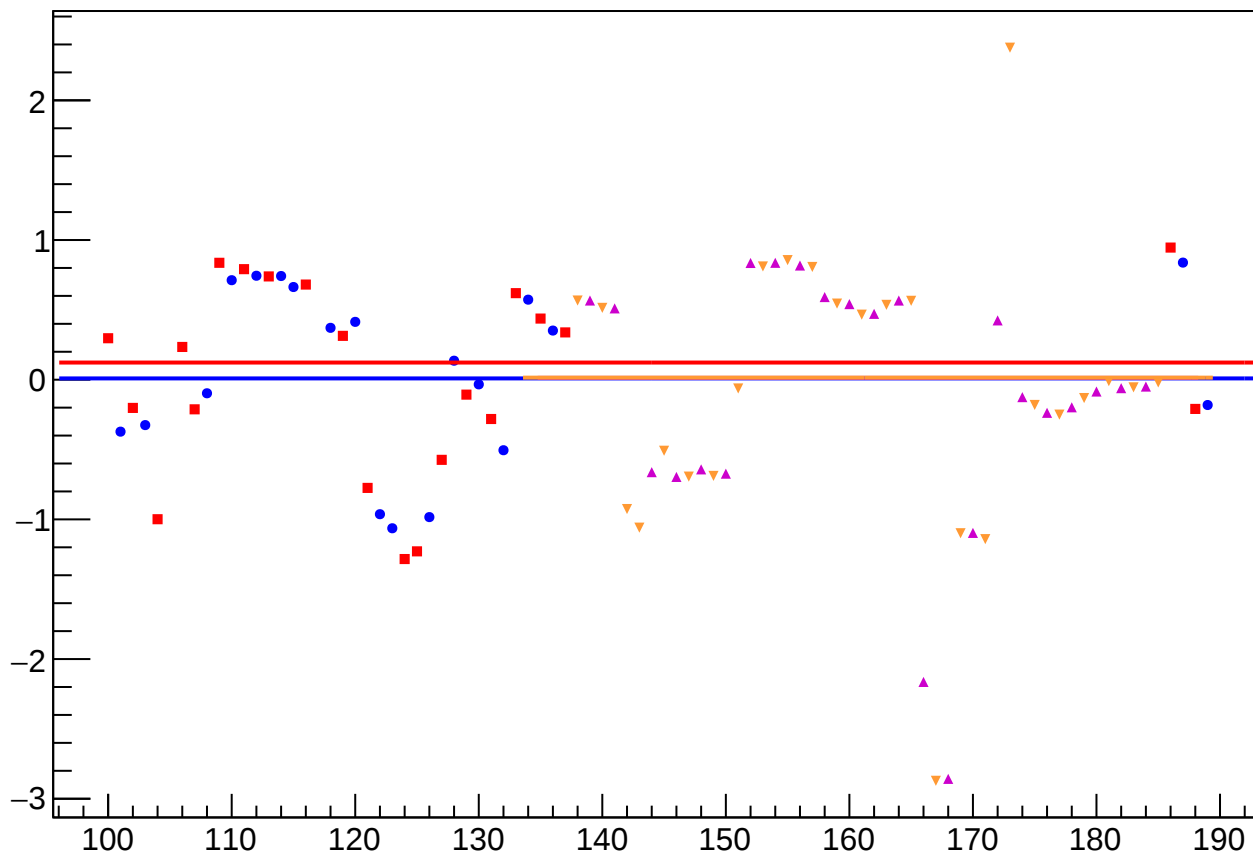
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 794558.0/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1328747.8/43

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 3170264.4/87

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1819513.5/43

yield_bpm11Y_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 6404341931.0/18

Left Out: 0.015+/-0.000 χ^2/NDF :96087835995.8/24

Right Out: 0.123+/-0.000 χ^2/NDF : 13029322104.7/20

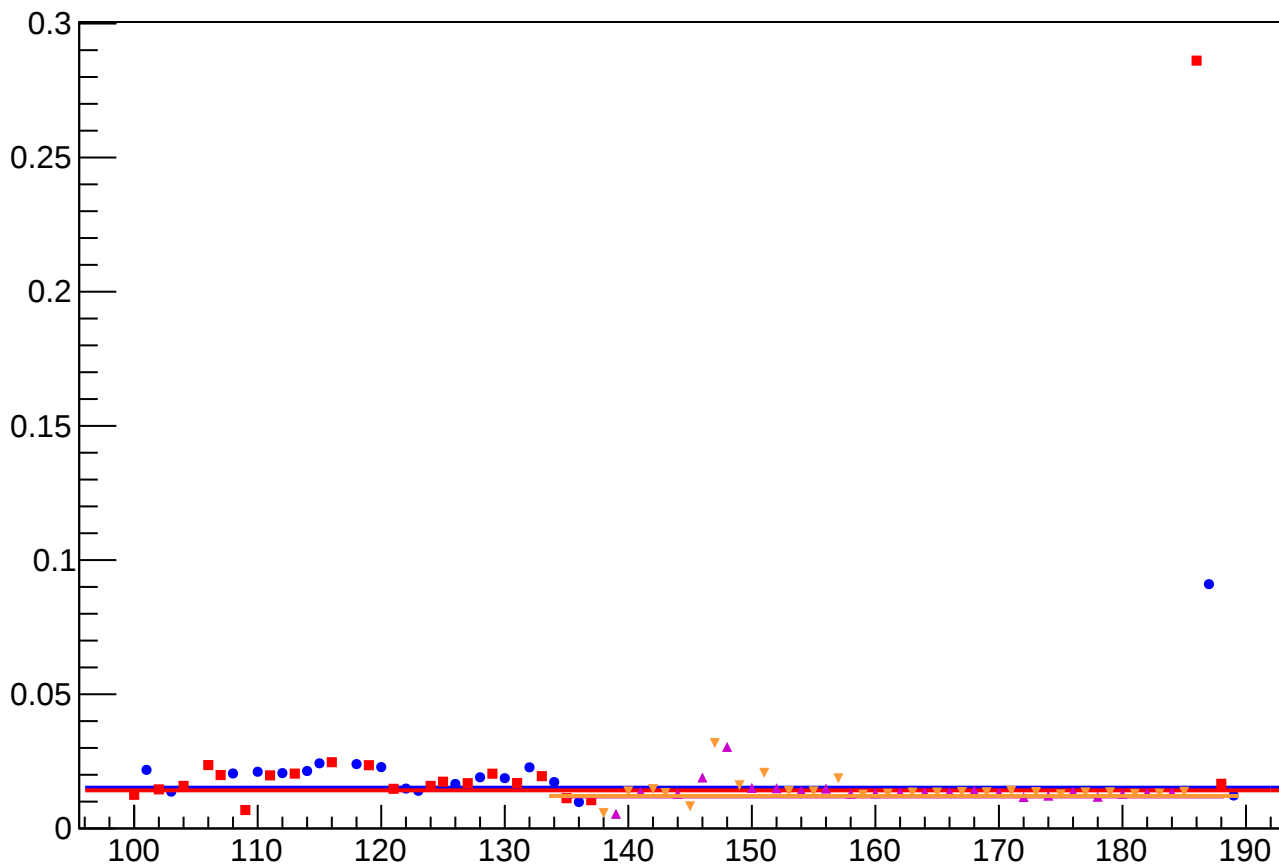
Left In: 0.013+/-0.000 χ^2/NDF :79445696658.6/22

+ sign 0.014+/-0.000 χ^2/NDF : 102492821052.2/43

All: 0.026+/-0.000 χ^2/NDF : 195293357325.4

- sign 0.038+/-0.000 χ^2/NDF : 92761718095.5/43

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1374005.4/18

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2219539.2/20

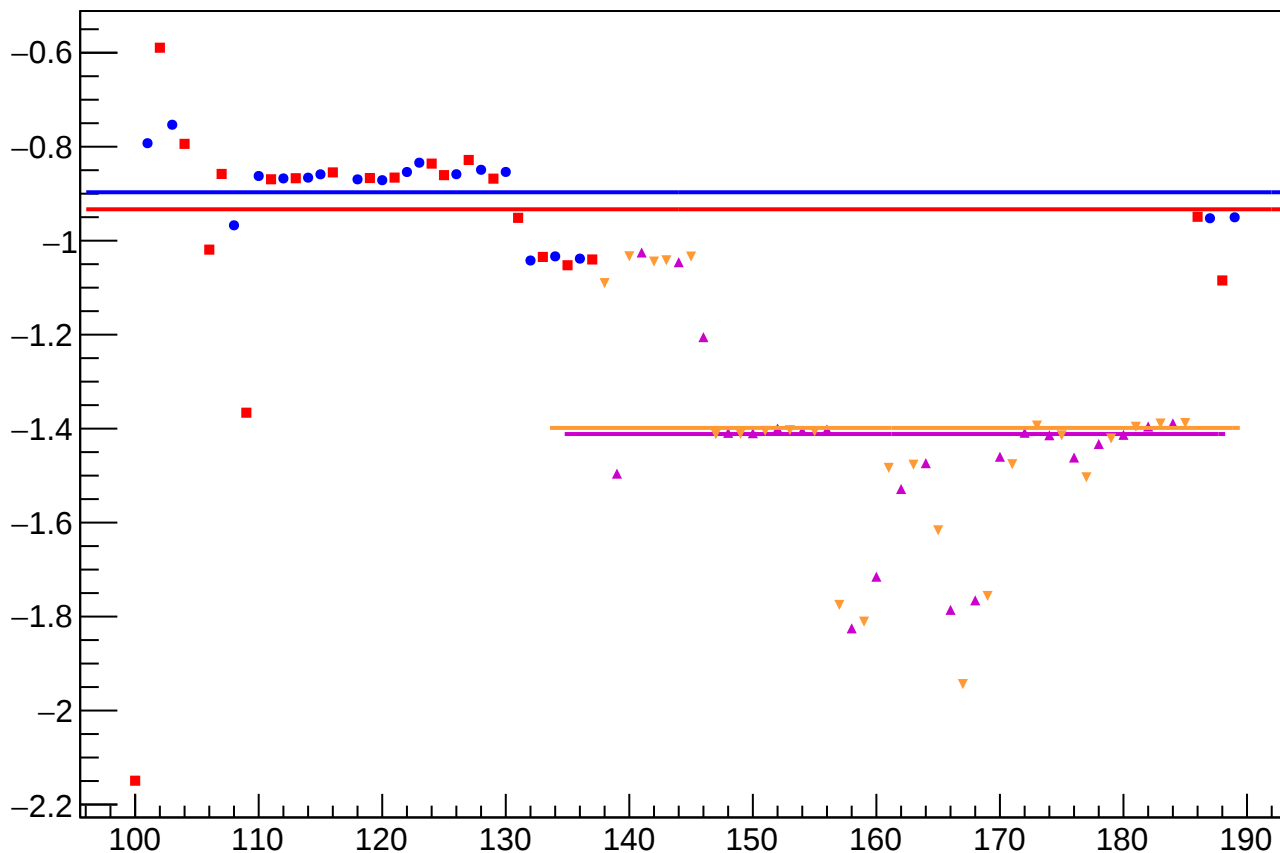
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4874785.0/43

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 10456559.5/87

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5572323.8/43

yield_bpm12X_mean vs Slug



Right In: -0.897+/-0.000 χ^2/NDF : 38418076.5/18

Left Out: -1.398+/-0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.933+/-0.000 χ^2/NDF : 135175516.6/20

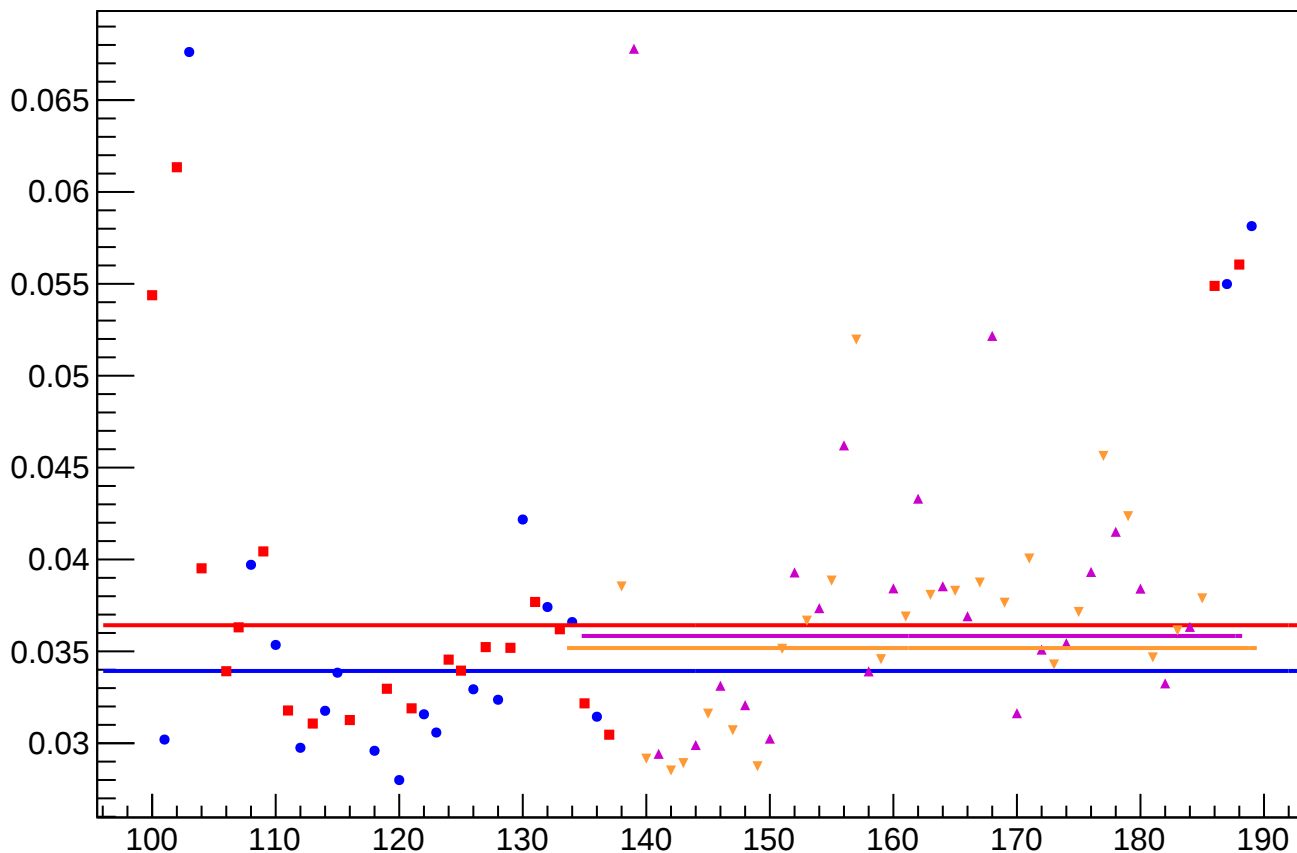
Left In: -1.412+/-0.000 χ^2/NDF : 512629872.4/22

+ sign -1.251+/-0.000 χ^2/NDF : 1734758757.6/43

All: -1.256+/-0.000 χ^2/NDF : 3238386188.4/8

- sign -1.262+/-0.000 χ^2/NDF : 1502433388.5/43

yield_bpm12X_rms vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 584818.3/18

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.036 $\pm$ 0.000 χ^2 /NDF: 594384.3/20

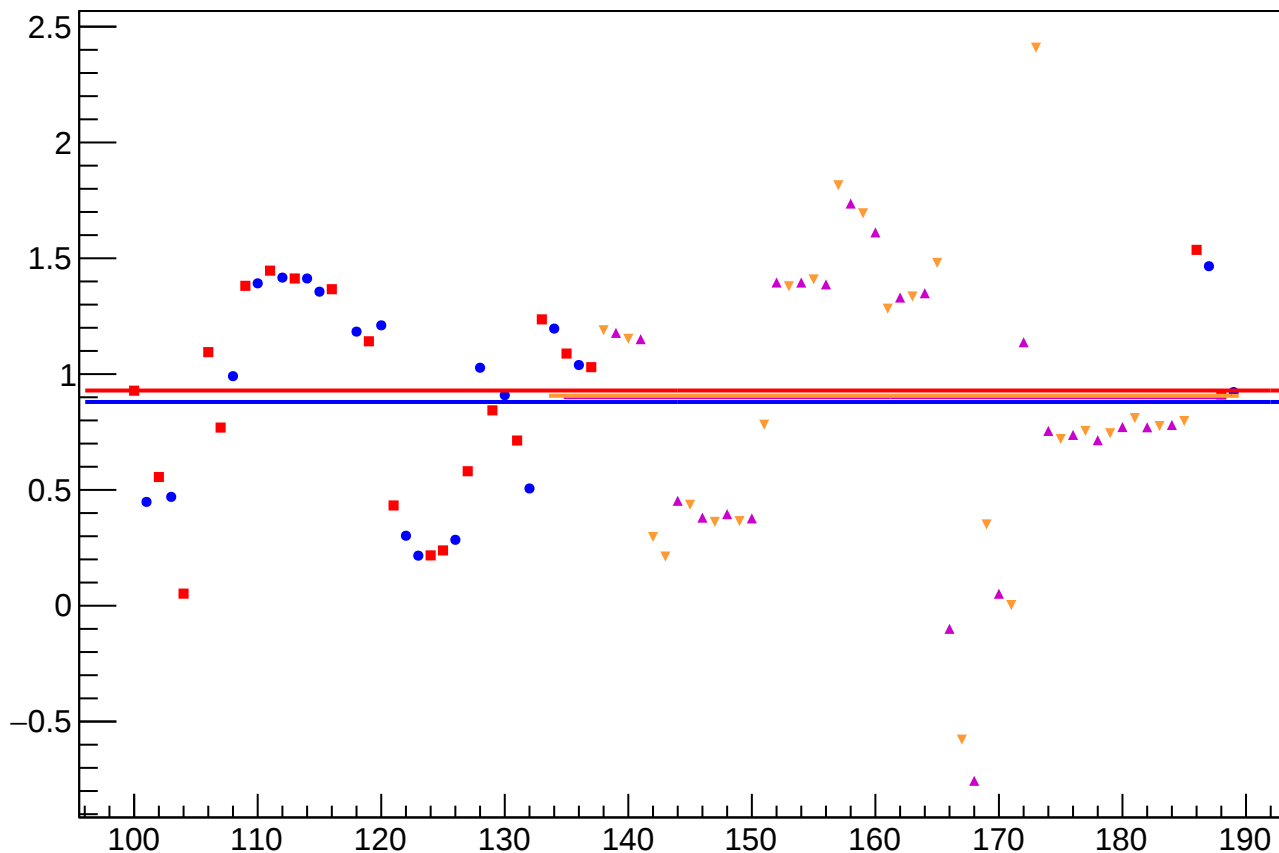
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1194603.8/43

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 2708582.9/87

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 1487933.6/43

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6480799741.7/18

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 0.929 $\pm$ 0.000 χ^2 /NDF: 9961005947.5/20

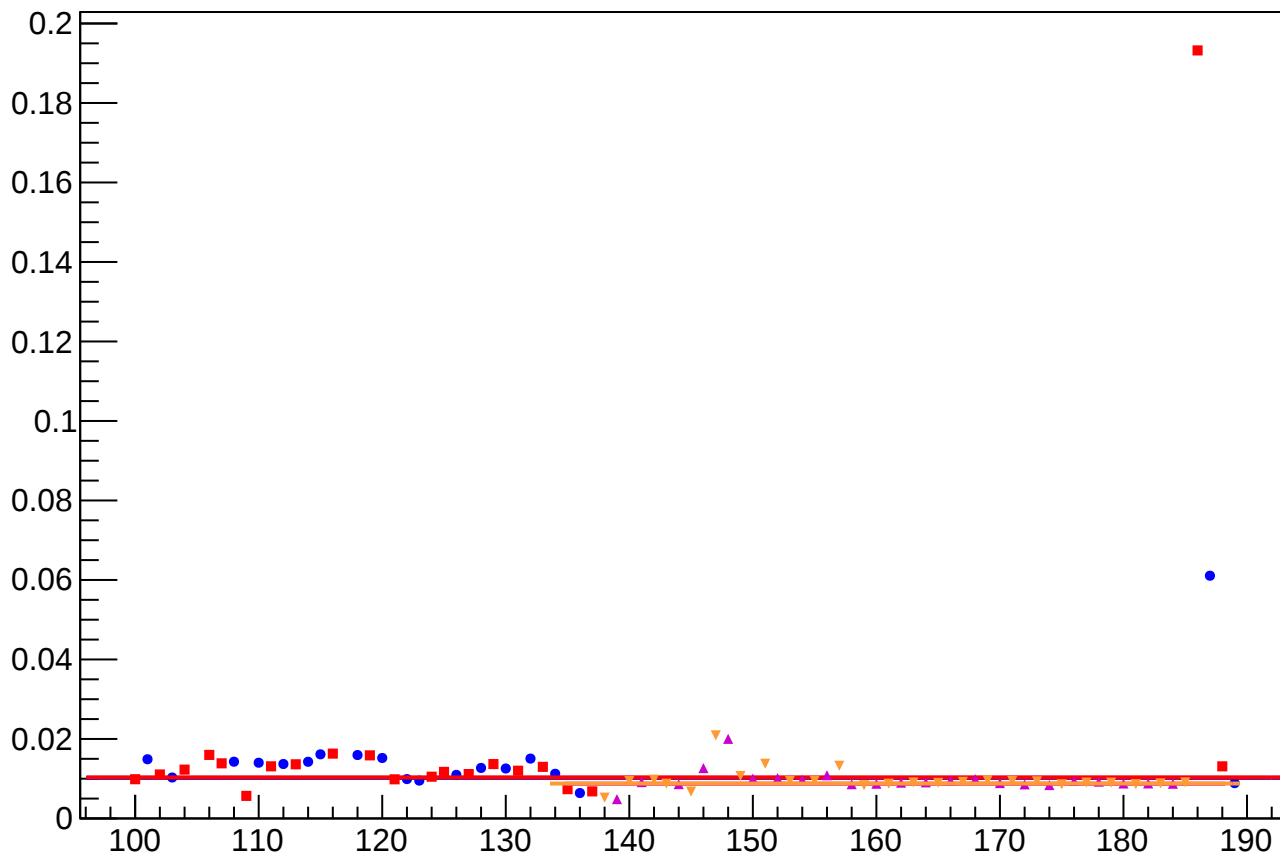
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.901 $\pm$ 0.000 χ^2 /NDF: 90621334520.7/43

All: 0.904 $\pm$ 0.000 χ^2 /NDF: 167557750545.0

- sign 0.907 $\pm$ 0.000 χ^2 /NDF: 76931331132.6/43

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1415700.3/18

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1864161.7/20

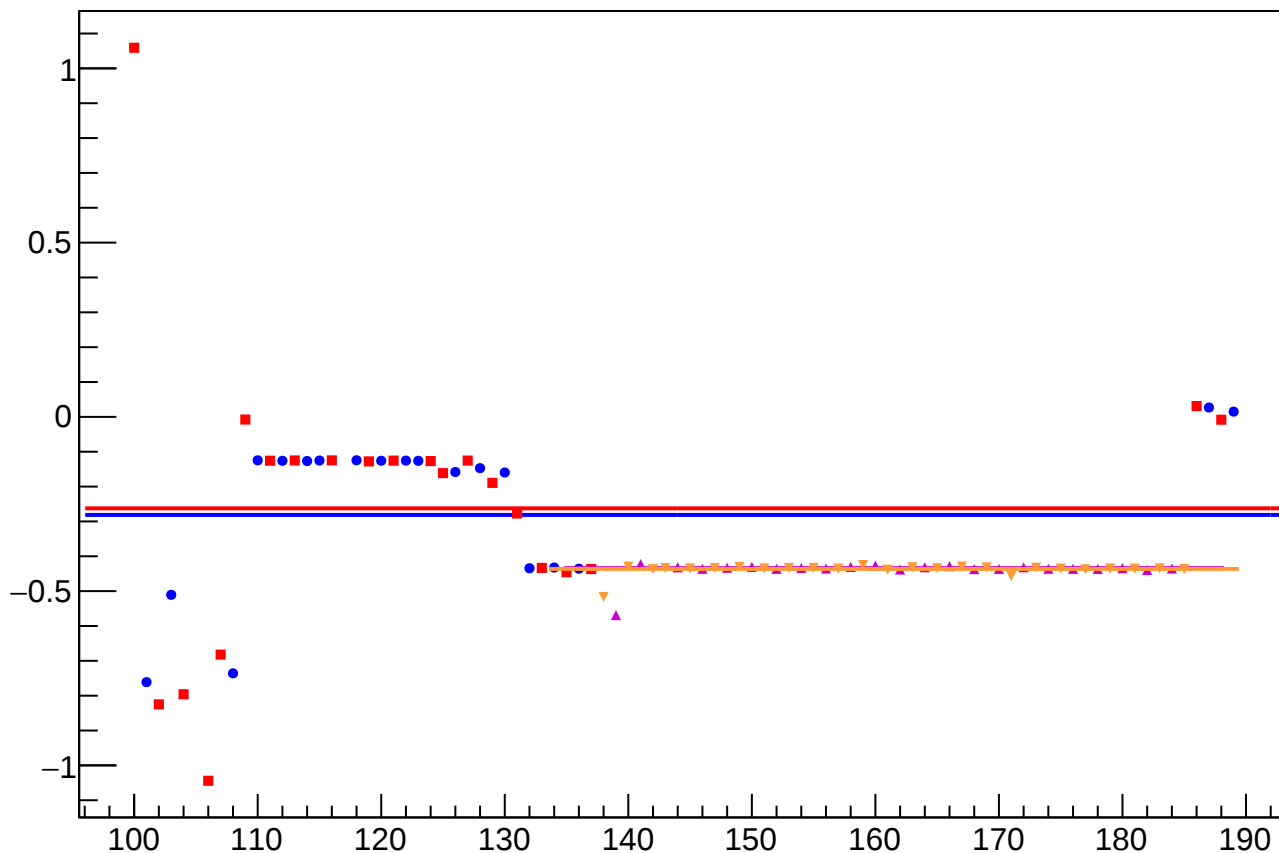
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3297751.1/43

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7067345.9/87

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3769527.6/43

yield_bpm16X_mean vs Slug



Right In: -0.281 ± 0.000 χ^2/NDF : 914770478.3/18

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776503.9/24

+ sign -0.411 ± 0.000 χ^2/NDF : 1580634369.0/43

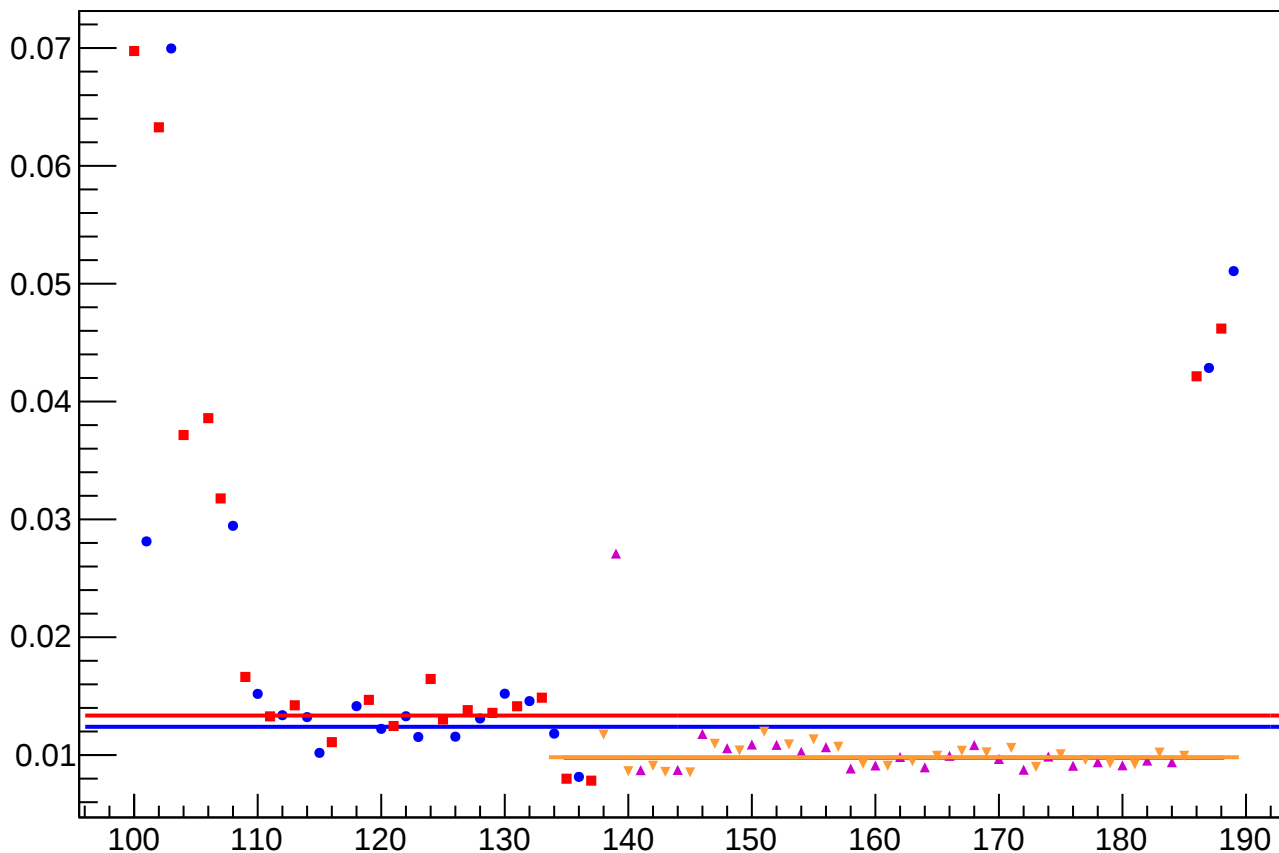
Right Out: -0.262 ± 0.000 χ^2/NDF : 1009149970.4/20

All: -0.408 ± 0.000 χ^2/NDF : 3358009223.9/8

- sign -0.406 ± 0.000 χ^2/NDF : 1774786741.9/43

Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2312636.4/18

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 271172.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 3174933.6/20

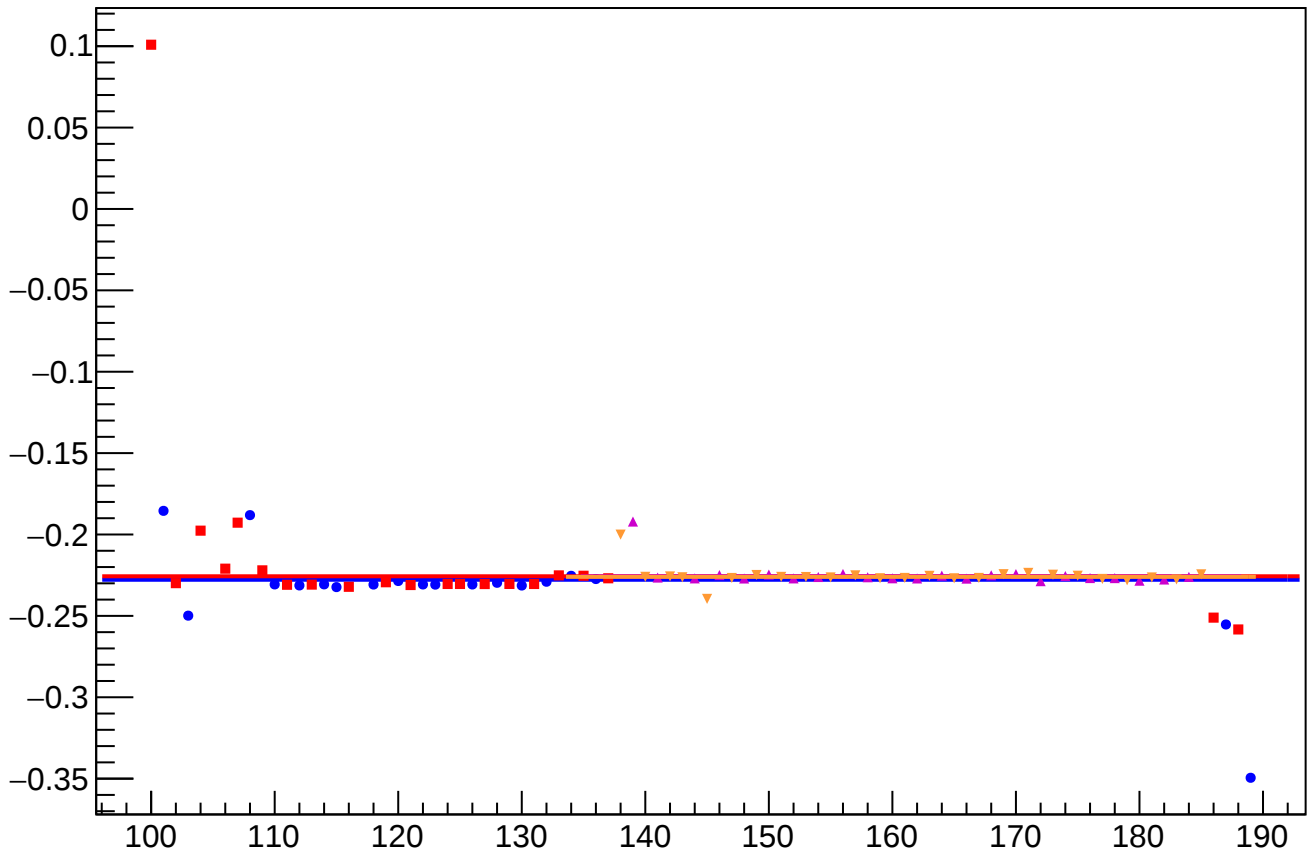
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 786577.8/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2938118.7/43

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7552617.7/87

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 4611445.9/43

yield_bpm16Y_mean vs Slug



Right In: -0.228+/-0.000 χ^2/NDF : 209786854.9/18

Left Out: -0.226+/-0.000 χ^2/NDF : 21207366.3/24

Right Out: -0.226+/-0.000 χ^2/NDF : 189343296.1/20

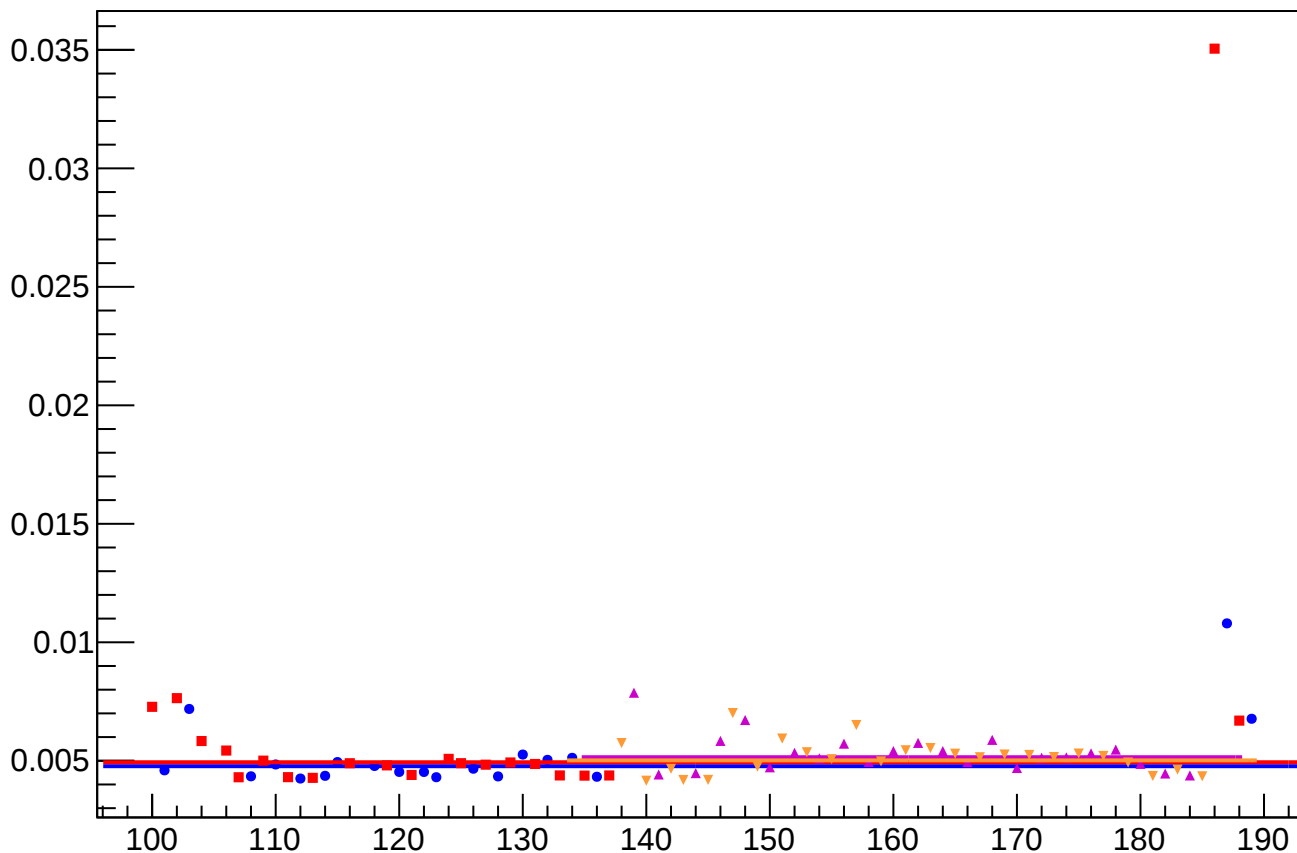
Left In: -0.226+/-0.000 χ^2/NDF : 13717302.5/22

+ sign -0.227+/-0.000 χ^2/NDF : 231634795.5/43

All: -0.226+/-0.000 χ^2/NDF : 435018842.7/87

- sign -0.226+/-0.000 χ^2/NDF : 203061346.0/43

yield_bpm16Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 341689.7/18

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:532623.0/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 901678.7/20

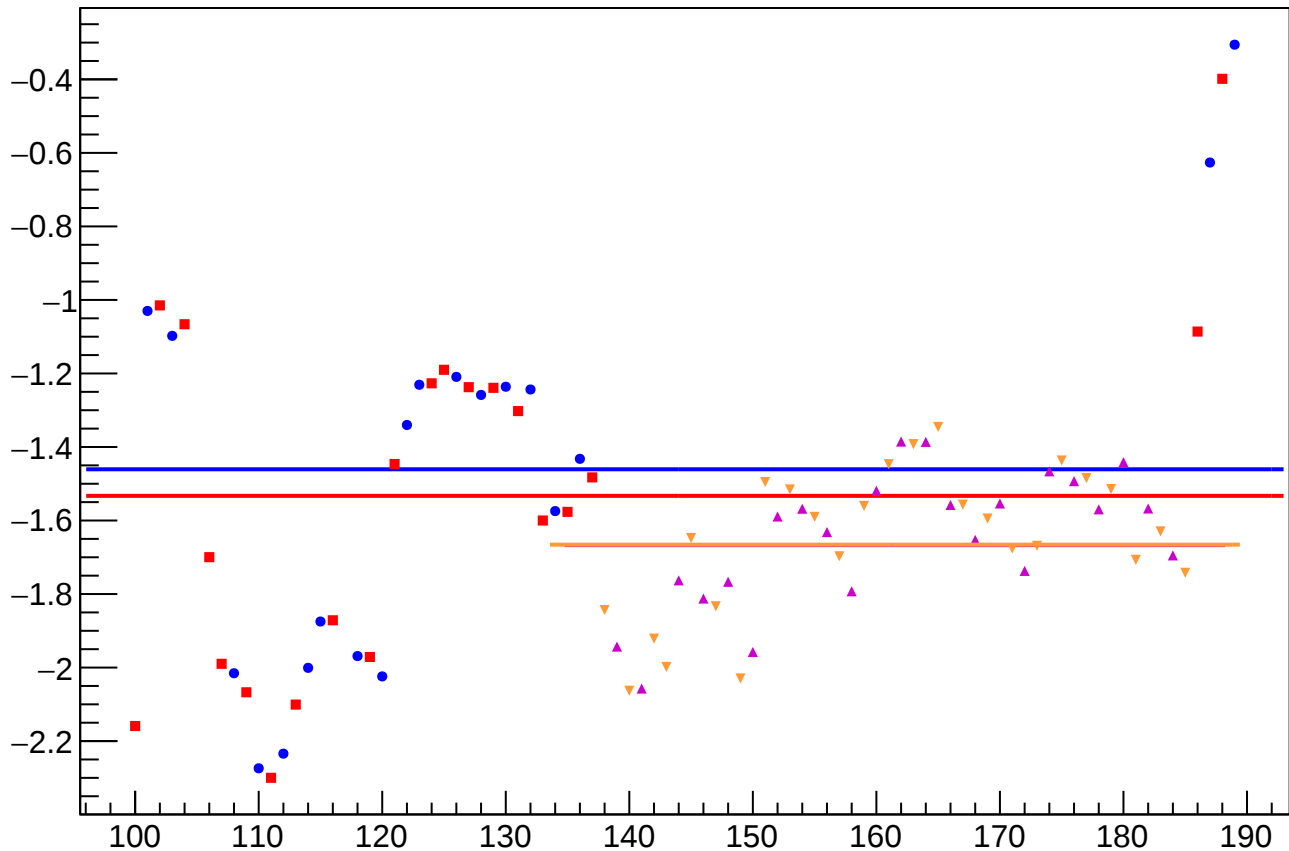
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:504040.6/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 898269.2/43

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2339433.8/87

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1423706.9/43

yield_bpm0l01X_mean vs Slug



Right In: -1.461+/-0.000 χ^2/NDF : 27993737079.2/18

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.533+/-0.000 χ^2/NDF : 41901048718.6/20

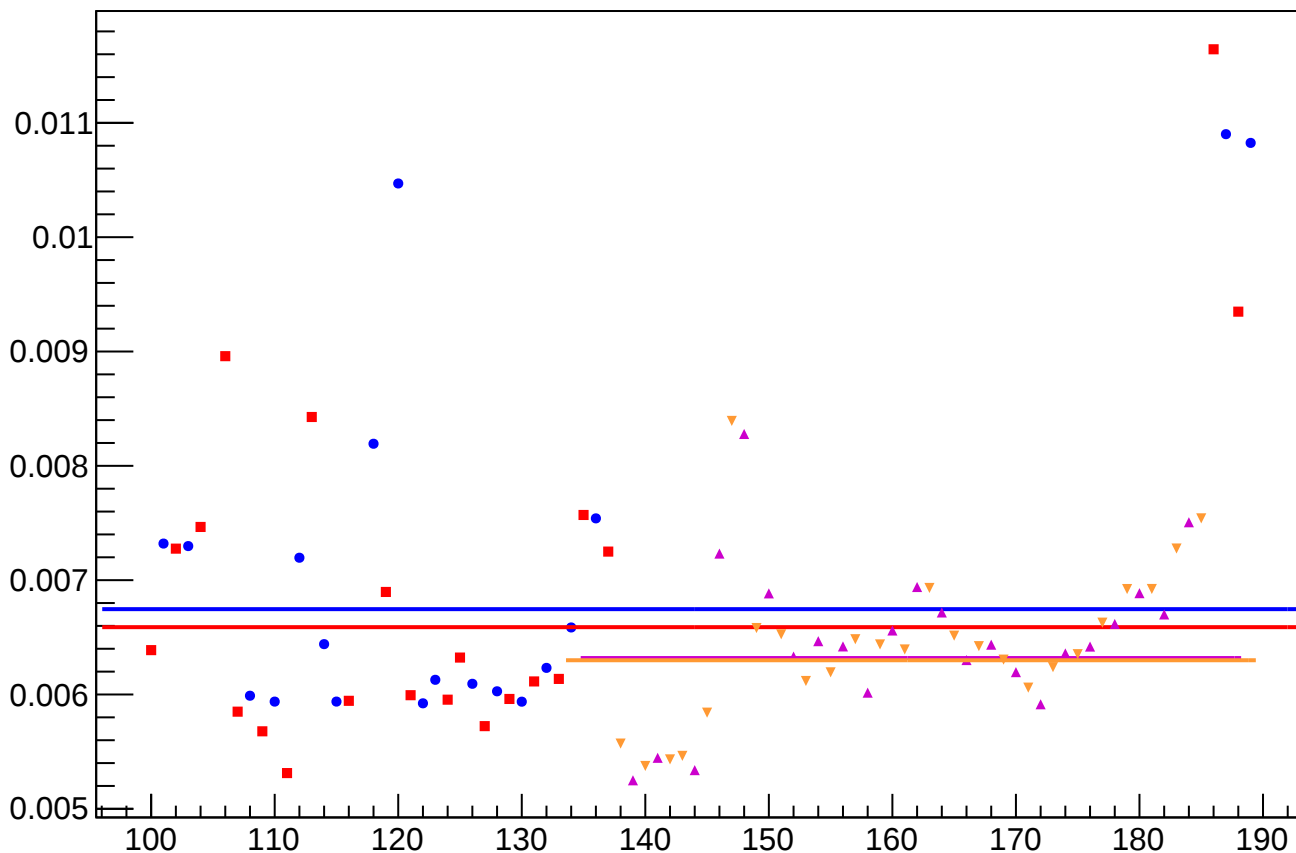
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.616+/-0.000 χ^2/NDF : 50894620706.8/43

All: -1.621+/-0.000 χ^2/NDF : 109662714208.6

- sign -1.627+/-0.000 χ^2/NDF : 58730008861.5/43

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 357638.9/18

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 312811.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 526461.0/20

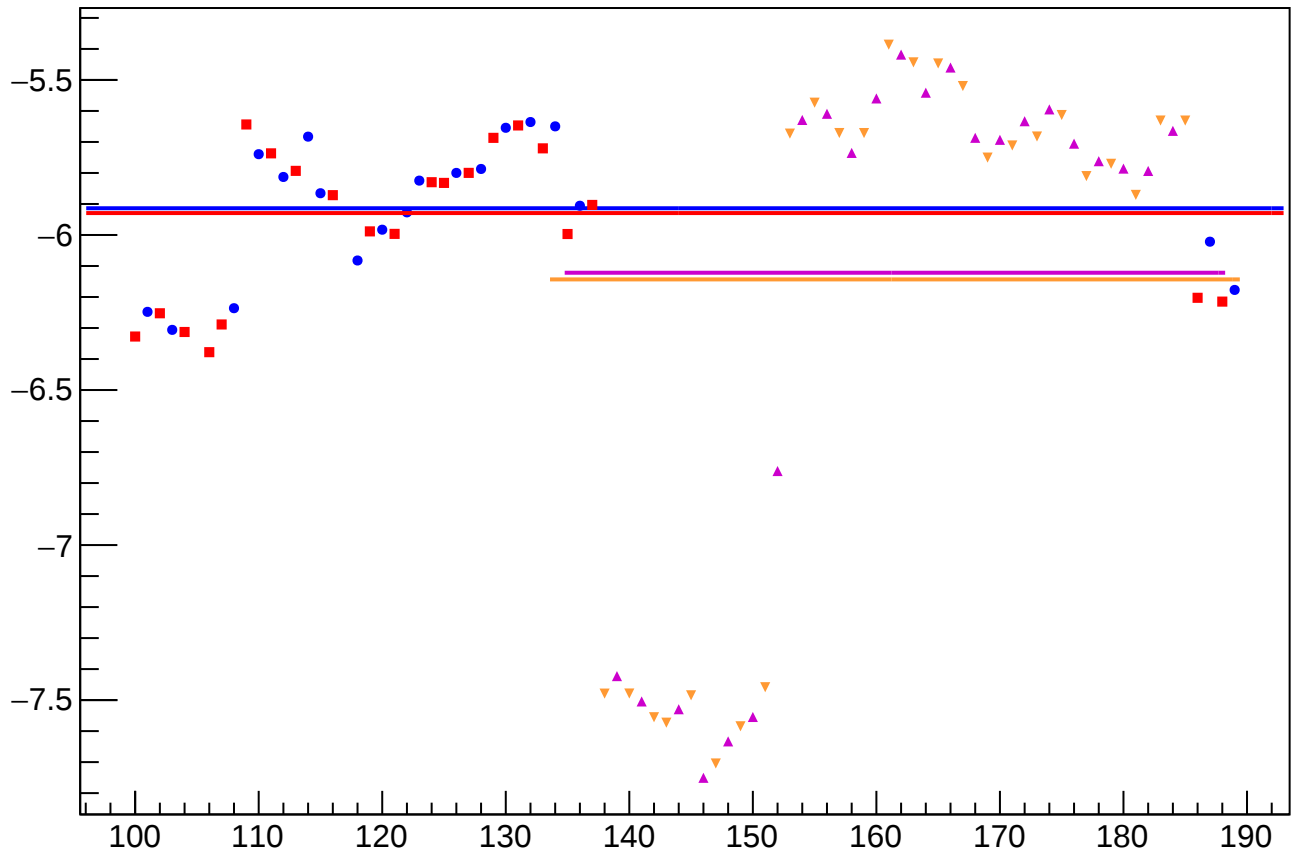
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 334332.4/22

+ sign 0.006 $\pm$ 0.000 χ^2/NDF : 713544.8/43

All: 0.006 $\pm$ 0.000 χ^2/NDF : 1592376.9/87

- sign 0.006 $\pm$ 0.000 χ^2/NDF : 878780.5/43

yield_bpm0l01Y_mean vs Slug



Right In: -5.914 ± 0.000 χ^2/NDF : 11301128442.2/18

Left Out: -6.143 ± 0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.929 ± 0.000 χ^2/NDF : 13457378859.4/20

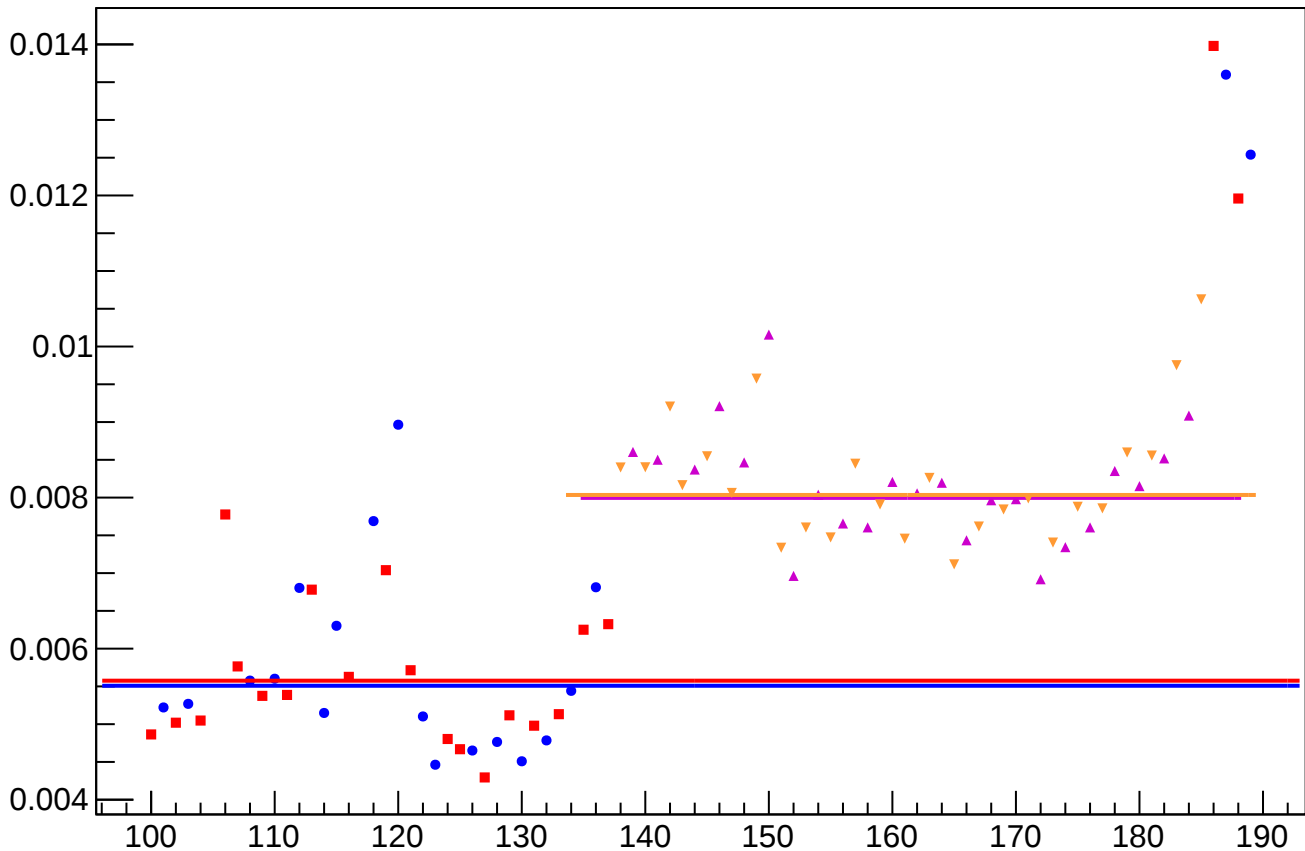
Left In: -6.122 ± 0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.042 ± 0.000 χ^2/NDF : 203030344978.9/43

All: -6.035 ± 0.000 χ^2/NDF : 380868151478.8

- sign -6.029 ± 0.000 χ^2/NDF : 177801107759.3/43

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 710854.5/18

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1010833.3/20

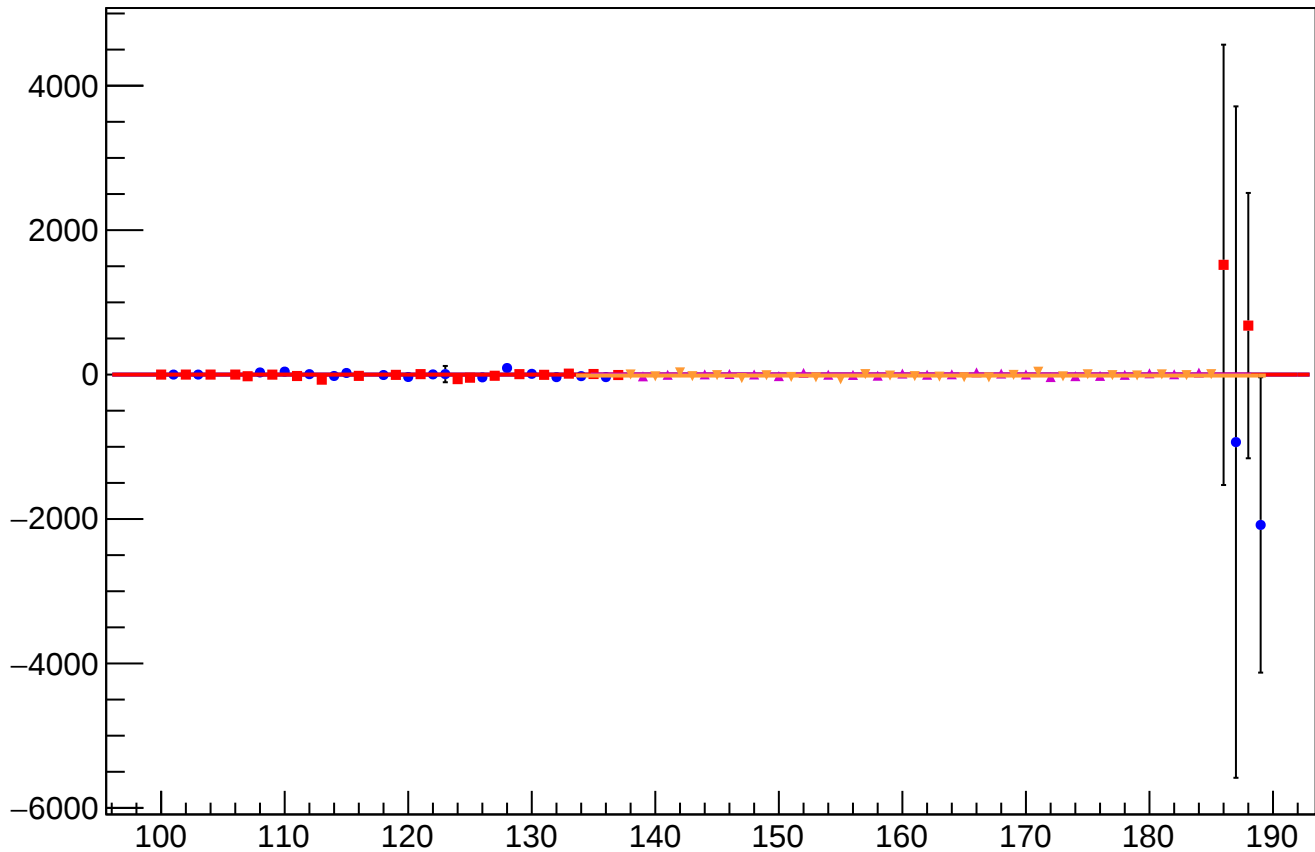
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 2372486.7/43

All: 0.007+/-0.000 χ^2/NDF : 5009472.9/87

- sign 0.007+/-0.000 χ^2/NDF : 2633623.3/43

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 17.3/18

Left Out: -13.472 $\pm$ 2.796 χ^2 /NDF: 58.5/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 15.3/20

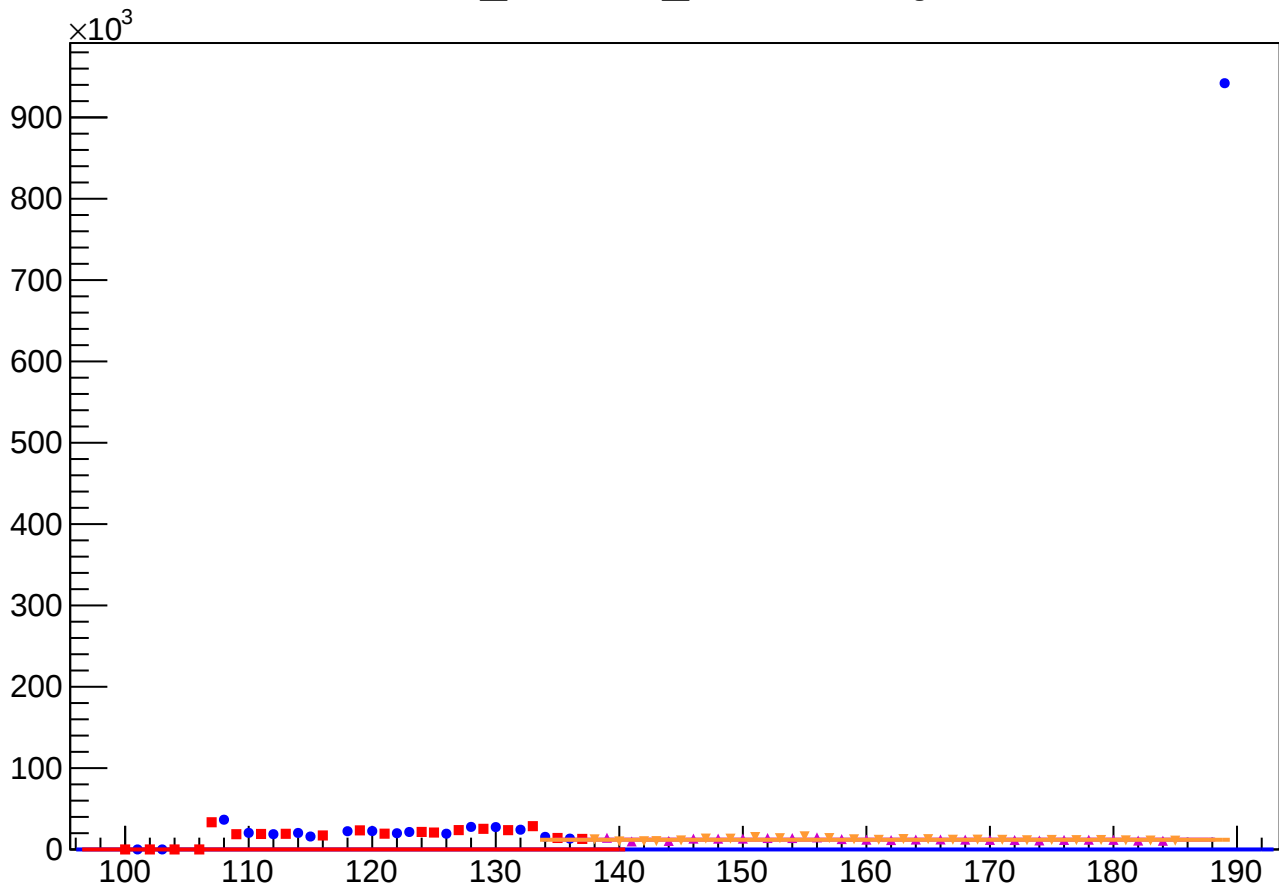
Left In: -0.489 $\pm$ 2.905 χ^2 /NDF: 28.7/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 99.1/43

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 143.3/87

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 44.0/43

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

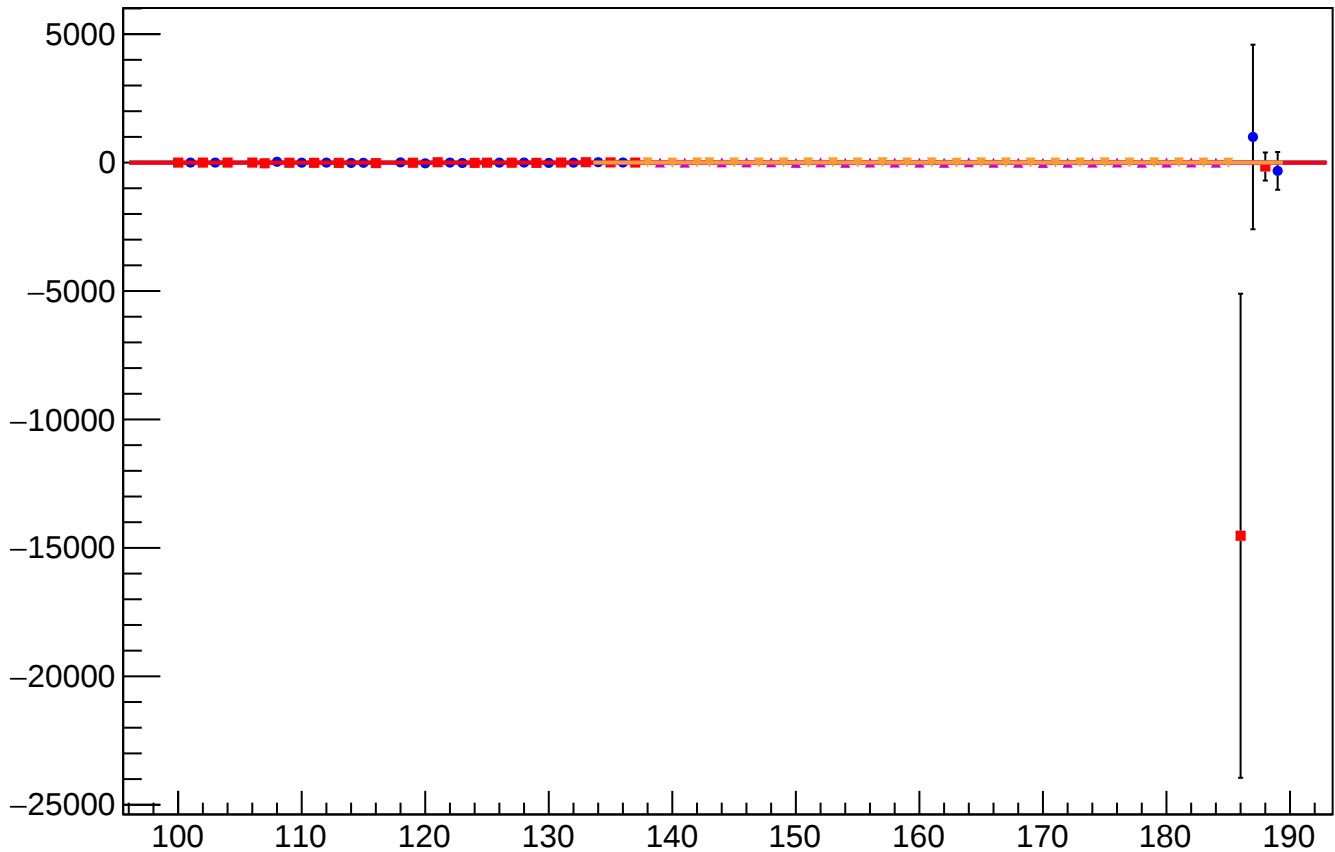
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ 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: 14.9/18

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 21.1/20

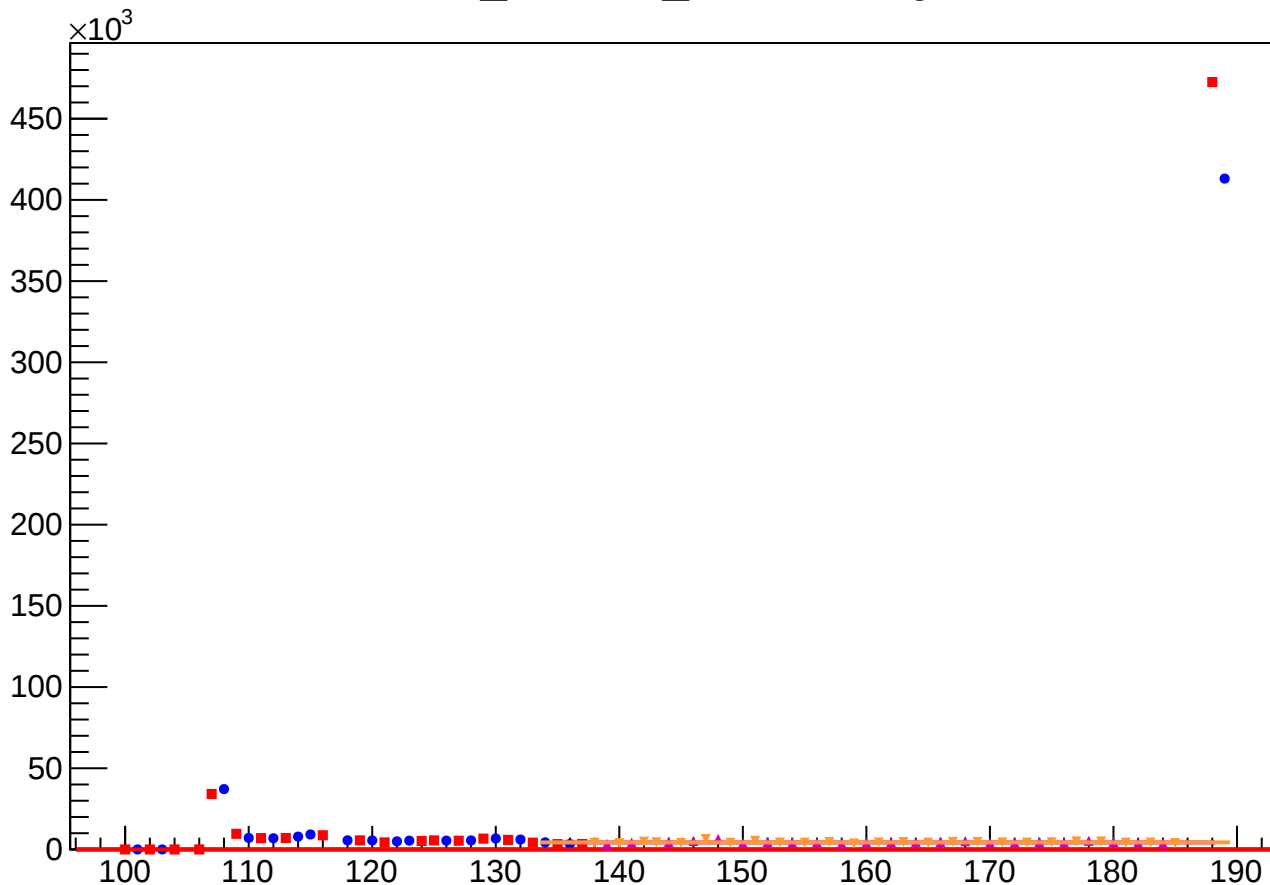
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.5/43

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 94.0/87

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 57.4/43

diff_cav4bY_rms vs Slug



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 11534475.0/17

Left Out: 4350.545 $\pm$ 0.722 χ^2 /NDF: 384749.0/24

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 12579164.5/19

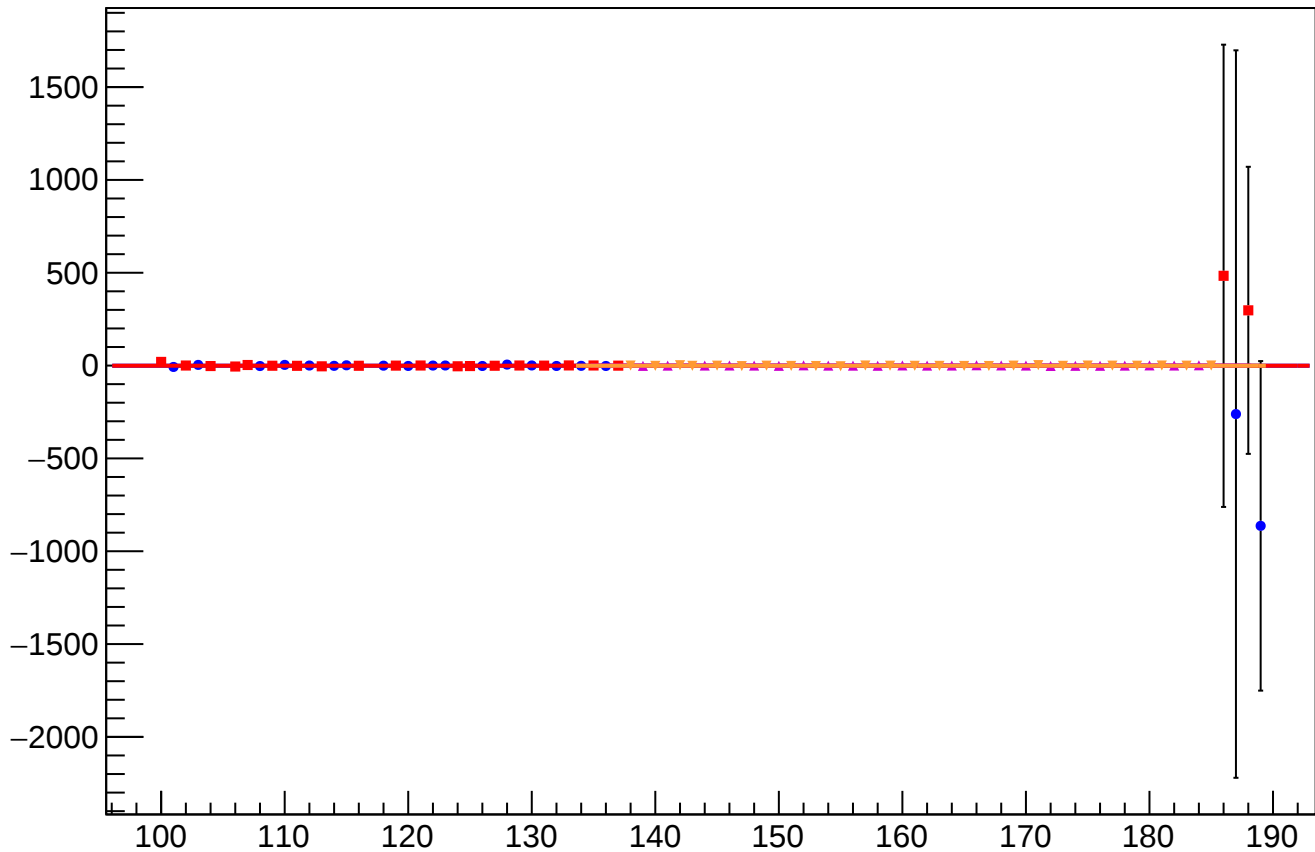
Left In: 4314.568 $\pm$ 0.738 χ^2 /NDF: 534594.3/22

+ sign 10.290 $\pm$ 0.007 χ^2 /NDF: 48062471.2/42

All: 10.216 $\pm$ 0.004 χ^2 /NDF: 95239546.2/85

- sign 10.150 $\pm$ 0.006 χ^2 /NDF: 47176828.7/42

diff_cav4cX_mean vs Slug



Right In: -0.702 $\pm$ 0.485 χ^2 /NDF: 23.5/18

Left Out: -0.774 $\pm$ 0.164 χ^2 /NDF: 58.4/24

Right Out: -0.760 $\pm$ 0.502 χ^2 /NDF: 12.1/20

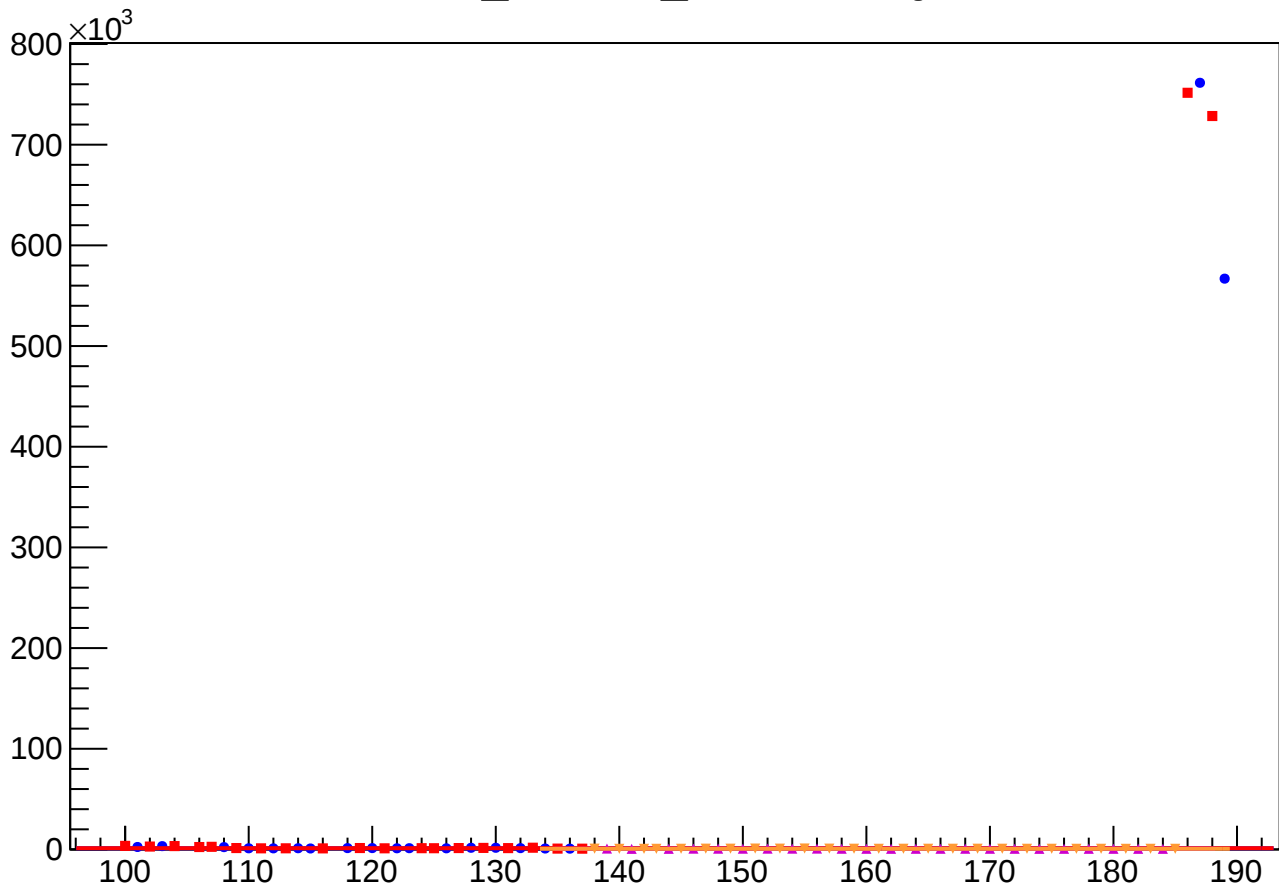
Left In: -0.020 $\pm$ 0.170 χ^2 /NDF: 29.2/22

+ sign -0.767 $\pm$ 0.156 χ^2 /NDF: 81.8/43

All: -0.443 $\pm$ 0.112 χ^2 /NDF: 134.0/87

- sign -0.097 $\pm$ 0.161 χ^2 /NDF: 43.2/43

diff_cav4cX_rms vs Slug



Right In: 1164.427 $\pm$ 0.343 χ^2/NDF : 2700131.6/18

Left Out: 700.797 $\pm$ 0.116 χ^2/NDF : 392521.4/24

Right Out: 1249.696 $\pm$ 0.355 χ^2/NDF : 4112491.4/20

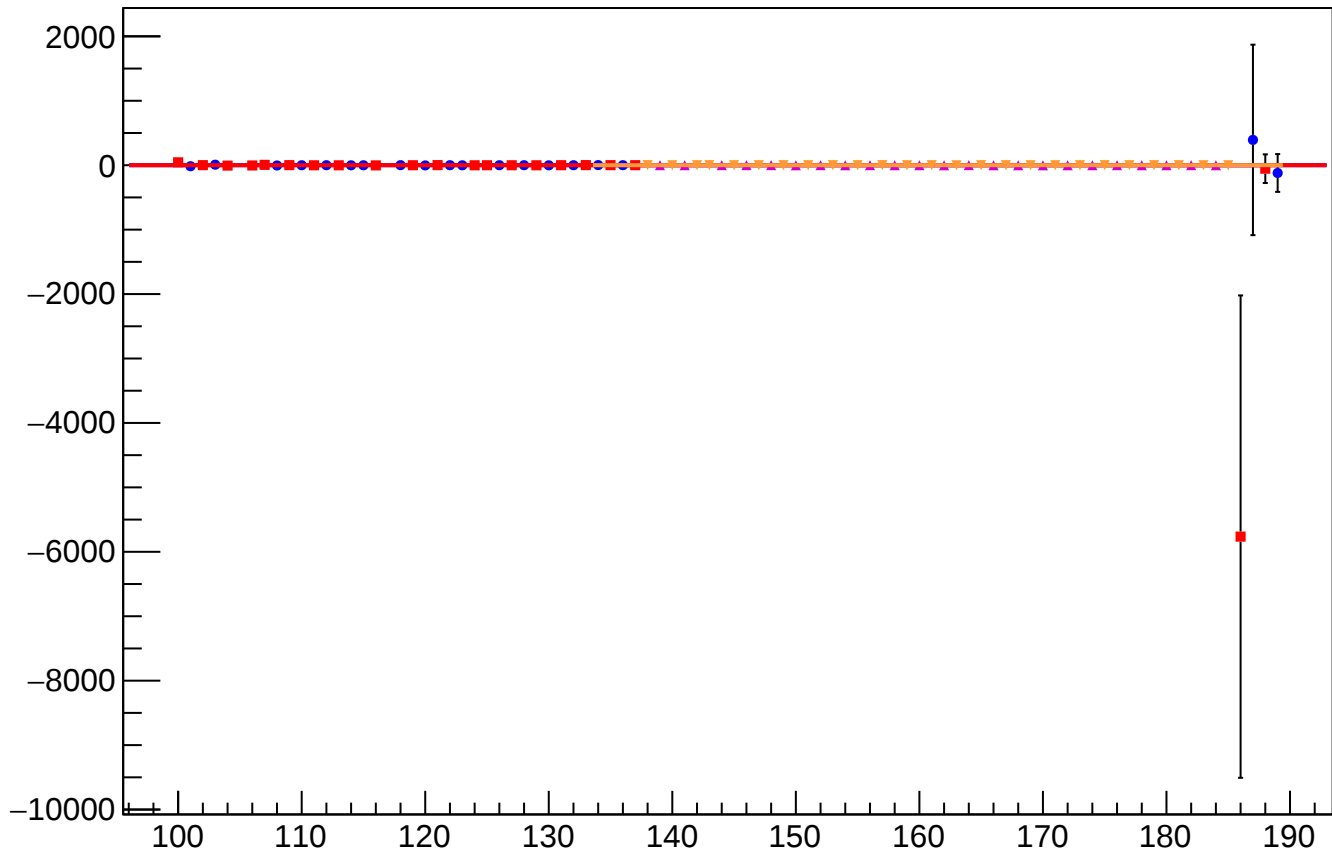
Left In: 706.950 $\pm$ 0.120 χ^2/NDF : 338177.1/22

+ sign 748.524 $\pm$ 0.110 χ^2/NDF : 4732057.0/43

All: 755.434 $\pm$ 0.079 χ^2/NDF : 11287207.9/87

- sign 762.842 $\pm$ 0.114 χ^2/NDF : 6546979.8/43

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.271 χ^2/NDF : 21.2/18

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.244 ± 0.265 χ^2/NDF : 23.1/20

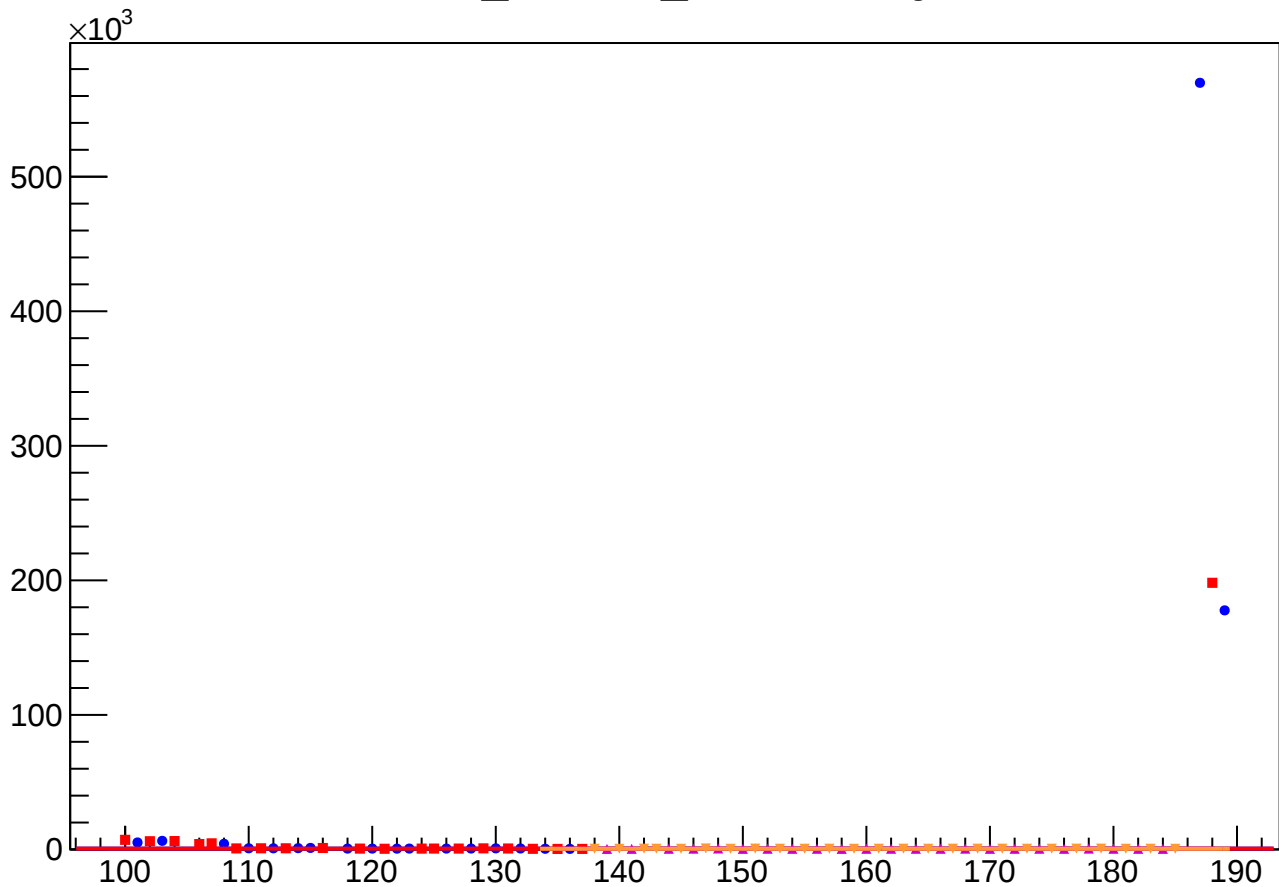
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 ± 0.112 χ^2/NDF : 39.7/43

All: 0.163 ± 0.080 χ^2/NDF : 98.1/87

- sign 0.139 ± 0.113 χ^2/NDF : 58.3/43

diff_cav4cY_rms vs Slug



Right In: 608.759 $\pm$ 0.191 χ^2 /NDF: 4163317.3/18

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 599.996 $\pm$ 0.187 χ^2 /NDF: 5125604.7/19

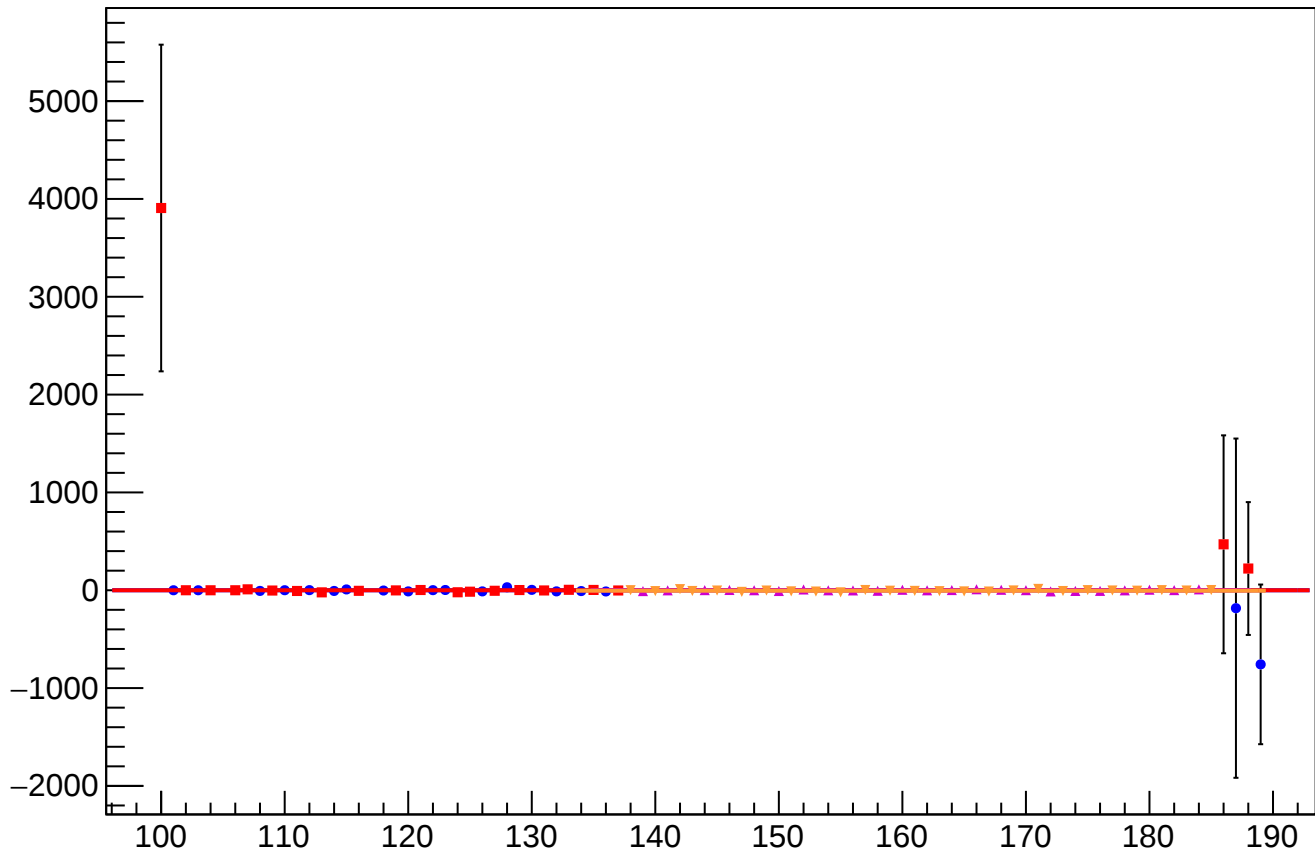
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.101 $\pm$ 0.079 χ^2 /NDF: 4663925.6/43

All: 535.867 $\pm$ 0.056 χ^2 /NDF: 10384118.0/80

- sign 534.593 $\pm$ 0.080 χ^2 /NDF: 5719695.5/42

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 16.5/18

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.1/20

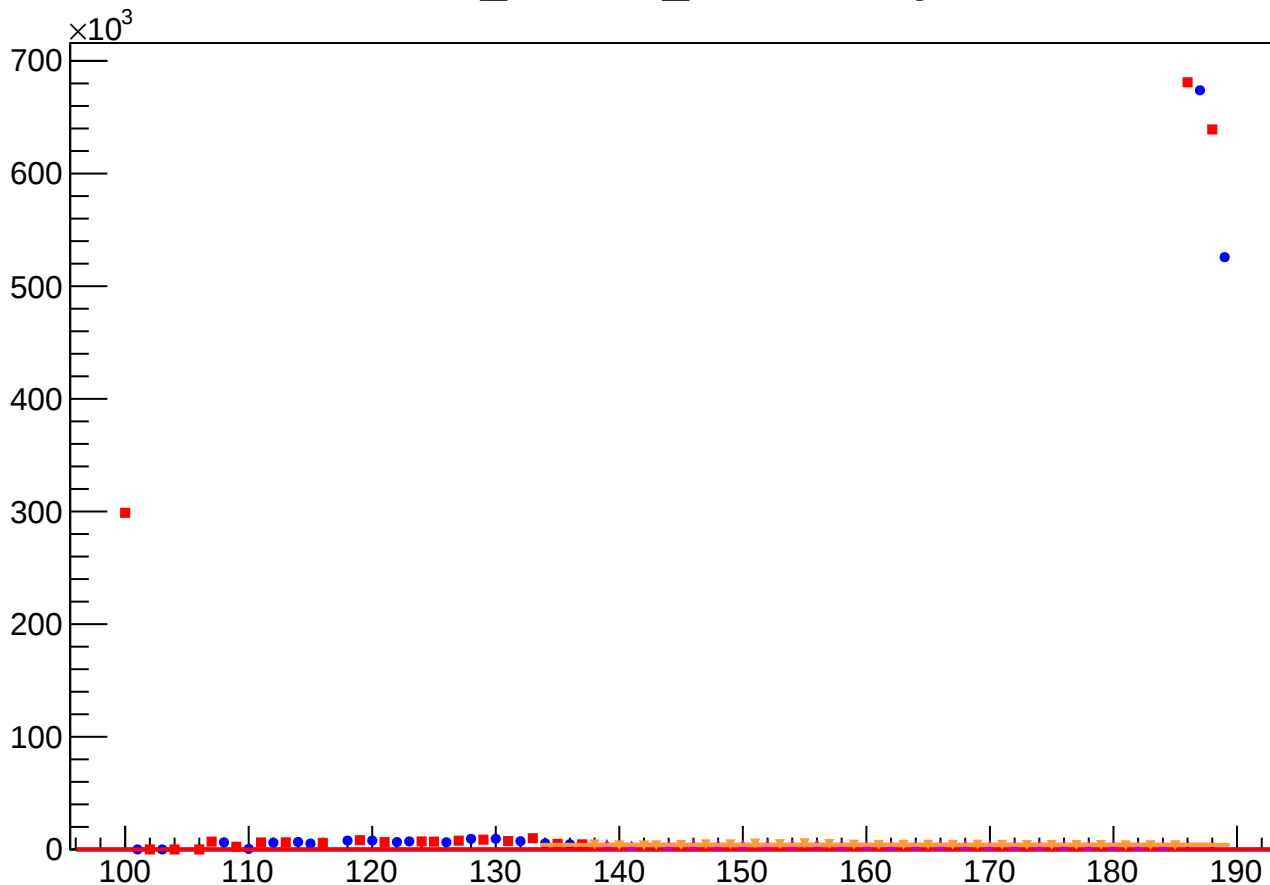
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 96.4/43

All: -0.025 ± 0.014 χ^2/NDF : 142.8/87

- sign -0.027 ± 0.020 χ^2/NDF : 46.4/43

diff_cav4dX_rms vs Slug



Right In: 17.336 ± 0.015 $\chi^2/\text{NDF}: 11447676.3/18$

Left Out: 4074.257 ± 0.676 $\chi^2/\text{NDF}: 416916.0/24$

Right Out: 17.268 ± 0.014 $\chi^2/\text{NDF}: 13278605.5/20$

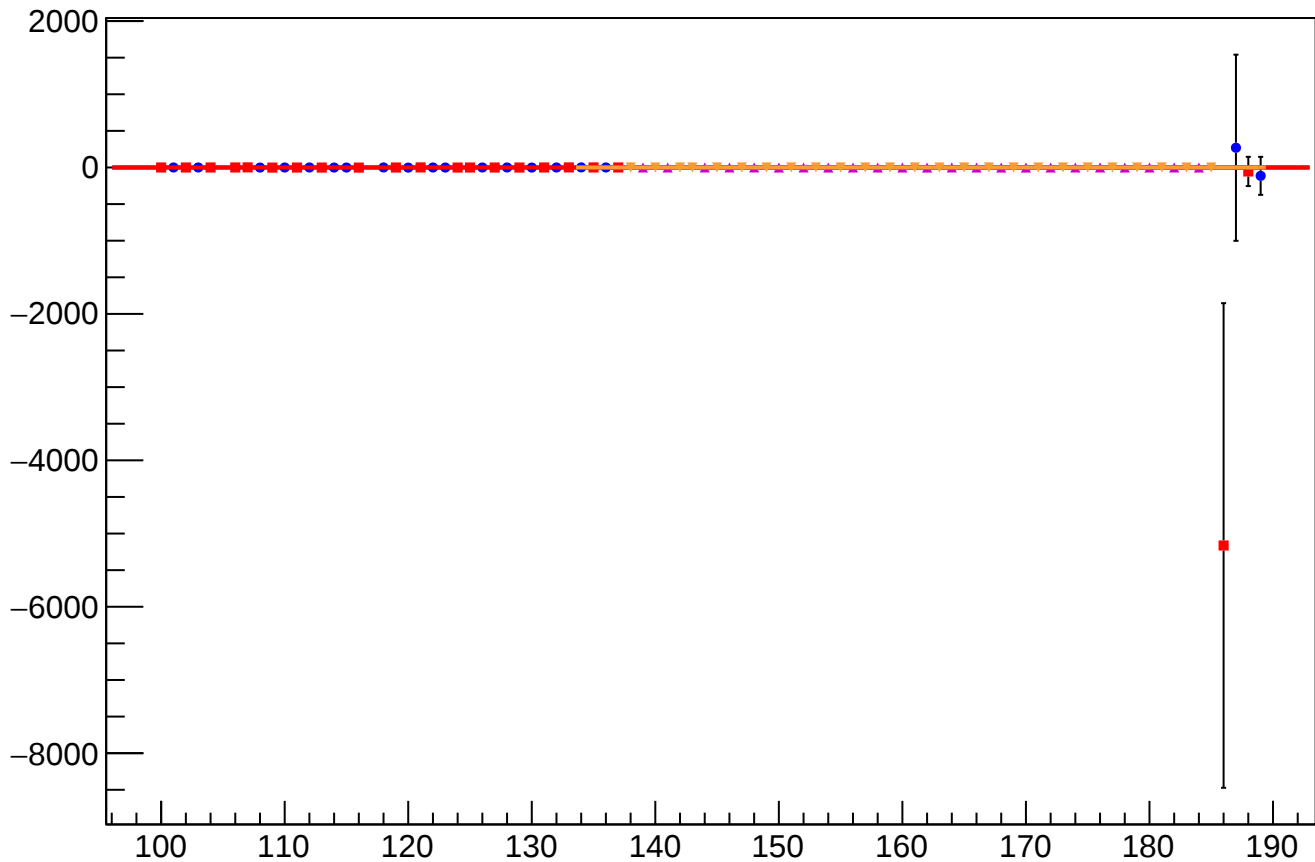
Left In: 4113.744 ± 0.700 $\chi^2/\text{NDF}: 354965.8/22$

+ sign 19.256 ± 0.015 $\chi^2/\text{NDF}: 47897820.4/43$

All: 19.070 ± 0.010 $\chi^2/\text{NDF}: 95748550.5/87$

- sign 18.901 ± 0.014 $\chi^2/\text{NDF}: 47850424.0/43$

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.6/18

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 20.6/20

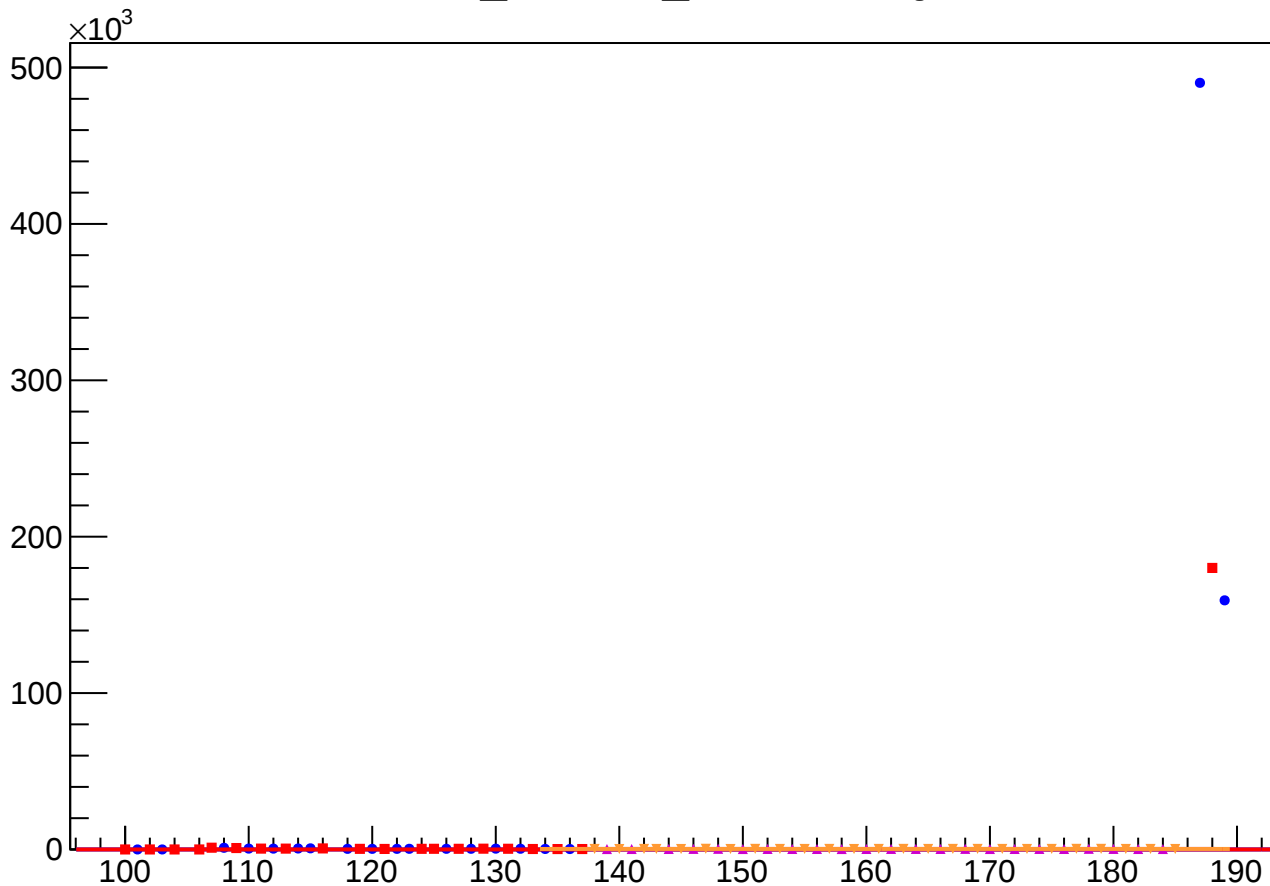
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 36.2/43

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 92.6/87

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 56.3/43

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 11916633.7/18

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 12314517.4/19

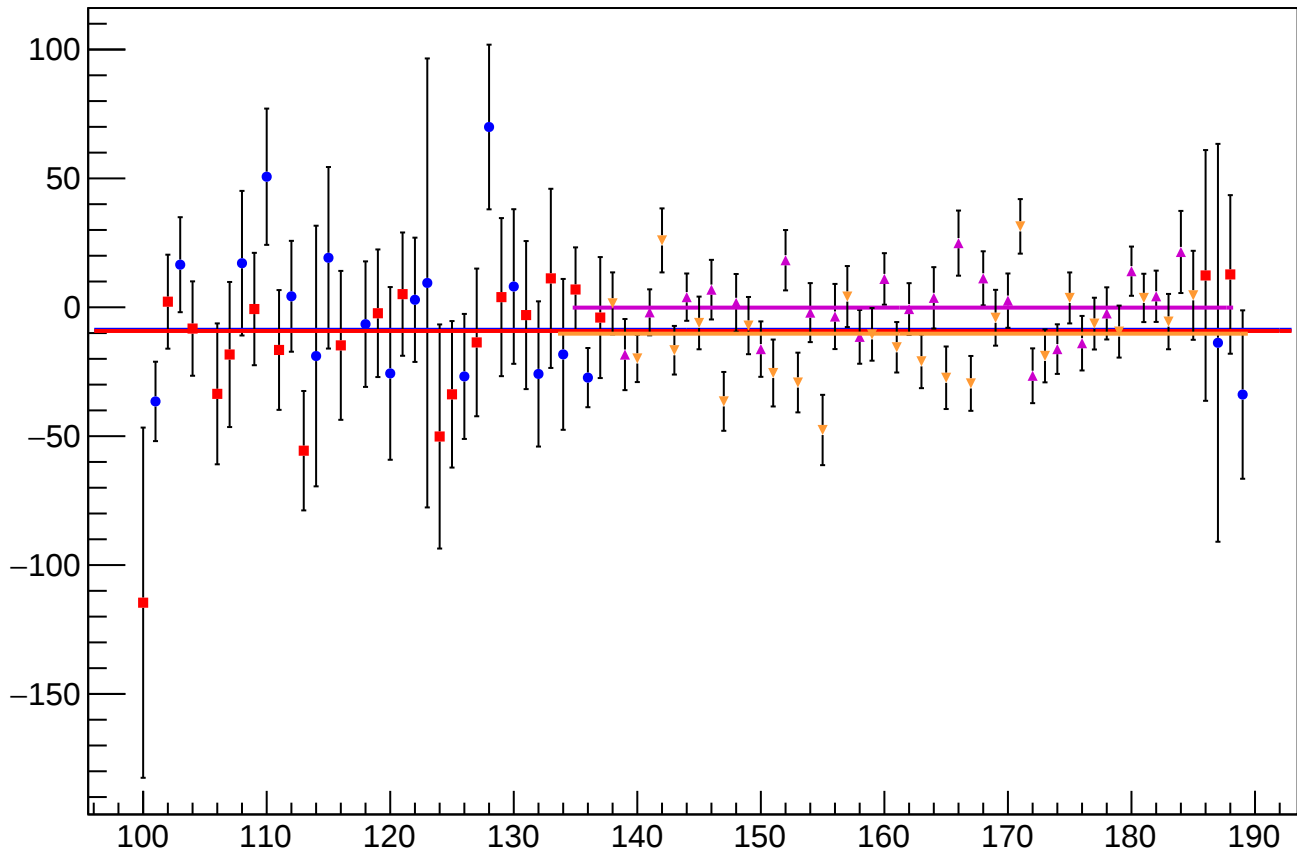
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 48229008.8/43

All: 1.926 $\pm$ 0.001 χ^2 /NDF: 94942602.7/86

- sign 1.926 $\pm$ 0.001 χ^2 /NDF: 46713593.8/42

diff_bpm4aX_mean vs Slug



Right In: -8.728 ± 5.542 χ^2/NDF : 23.2/18

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -9.187 ± 5.561 χ^2/NDF : 12.4/20

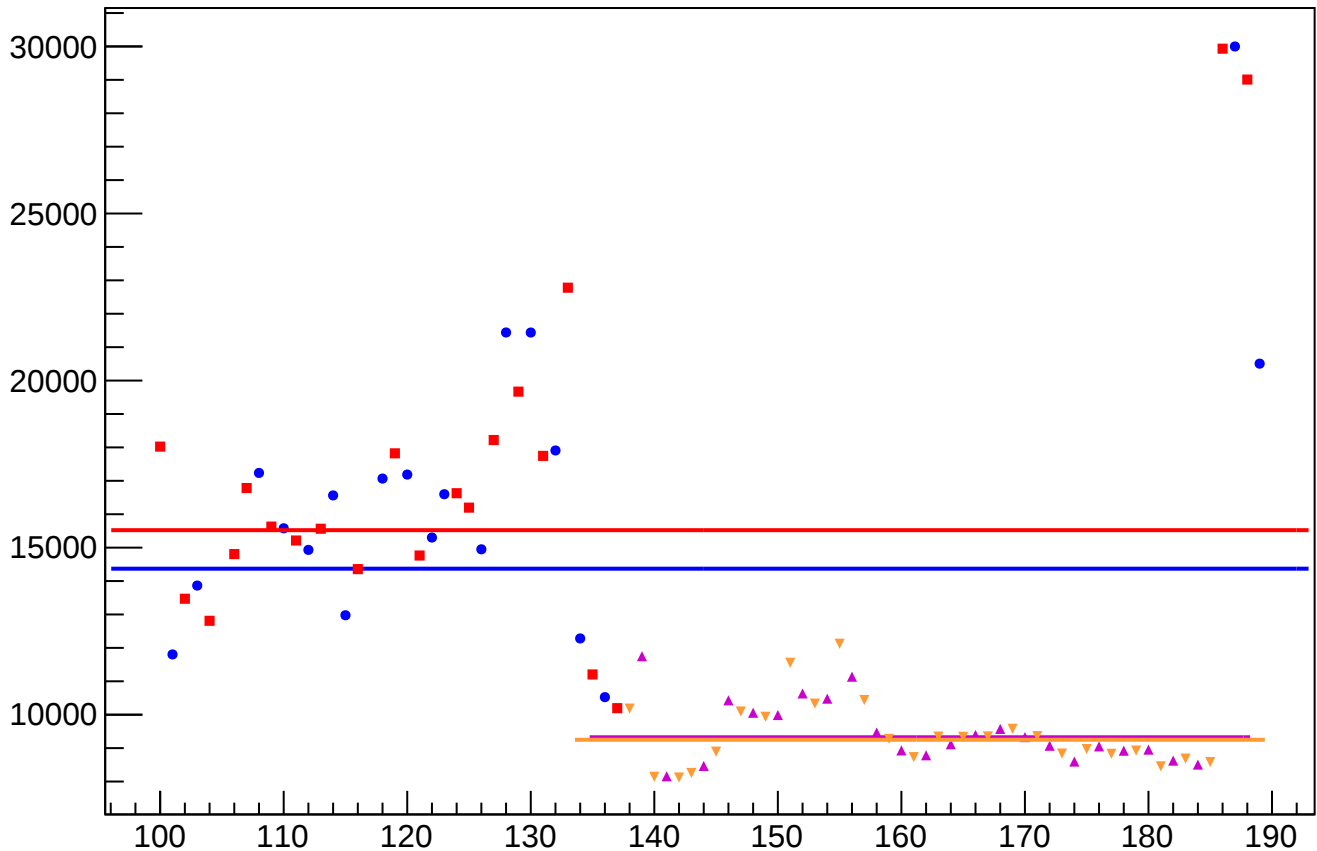
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.035 ± 2.018 χ^2/NDF : 81.3/43

All: -5.846 ± 1.448 χ^2/NDF : 134.7/87

- sign -1.397 ± 2.080 χ^2/NDF : 44.5/43

diff_bpm4aX_rms vs Slug



Right In: 14370.340+/-3.919 χ^2/NDF : 761880.3/18

Left Out: 9249.358+/-1.532 χ^2/NDF : 332003.4/24

Right Out: 15522.686+/-3.932 χ^2/NDF : 1058870.0/20

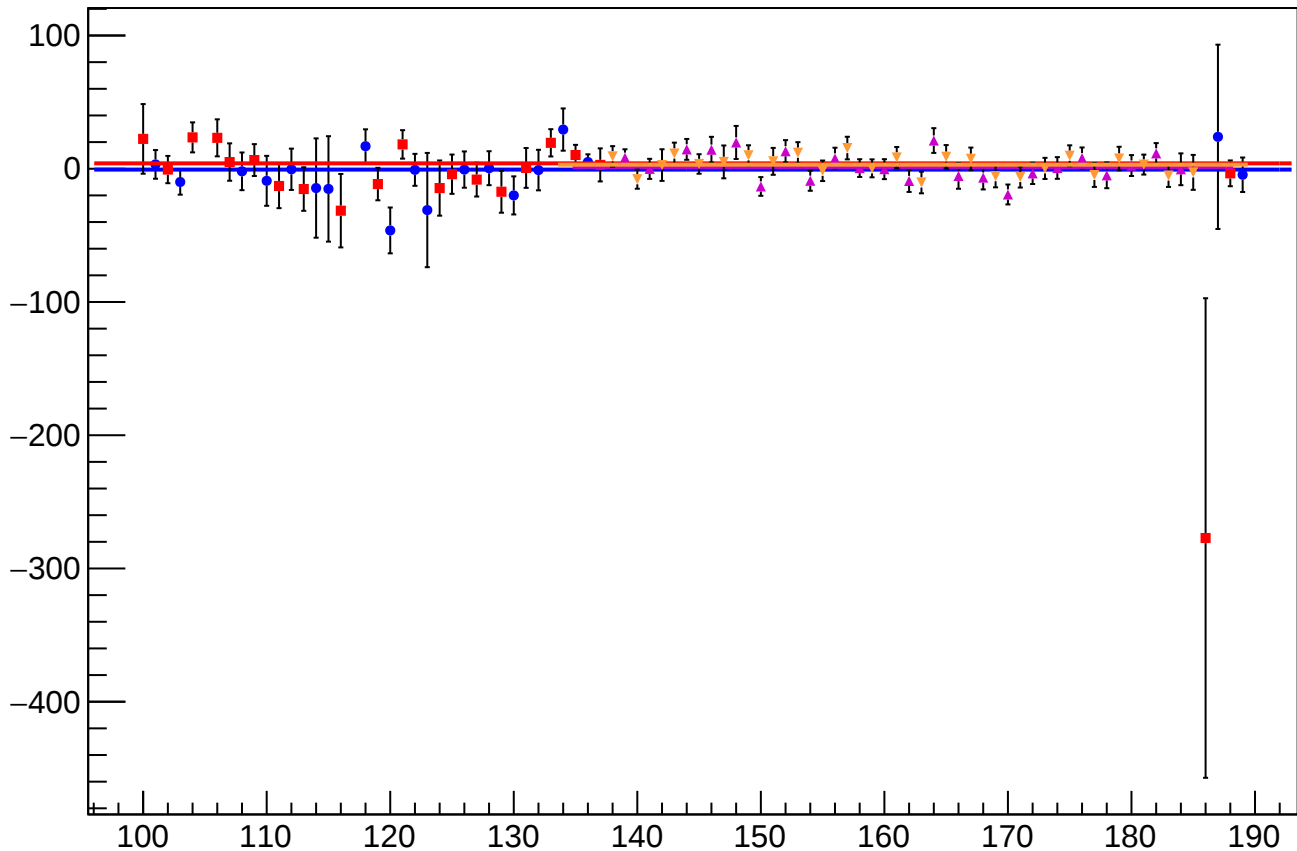
Left In: 9325.112+/-1.585 χ^2/NDF : 280927.7/22

+ sign 9928.249+/-1.427 χ^2/NDF : 2575065.2/43

All: 10056.096+/-1.024 χ^2/NDF : 6068374.1/8

- sign 10191.866+/-1.470 χ^2/NDF : 3476755.6/43

diff_bpm4aY_mean vs Slug



Right In: -0.628 ± 3.002 χ^2/NDF : 17.7/18

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 4.046 ± 2.818 χ^2/NDF : 23.0/20

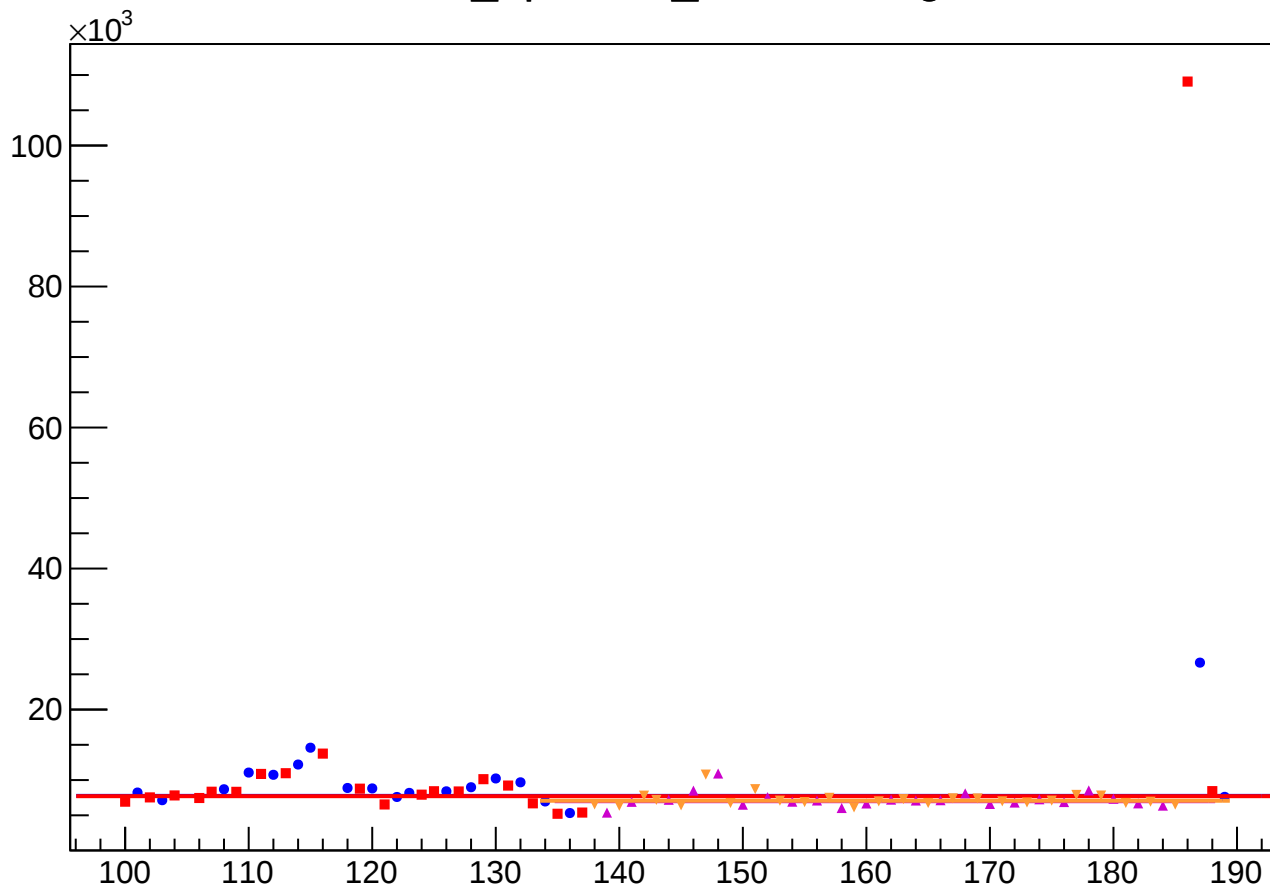
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.199 ± 1.452 χ^2/NDF : 37.1/43

All: 2.148 ± 1.026 χ^2/NDF : 96.1/87

- sign 2.098 ± 1.451 χ^2/NDF : 59.1/43

diff_bpm4aY_rms vs Slug



Right In: 7756.485 ± 2.123 $\chi^2/\text{NDF}: 892353.9/18$

Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$

Right Out: 7713.559 ± 1.993 $\chi^2/\text{NDF}: 1326605.3/20$

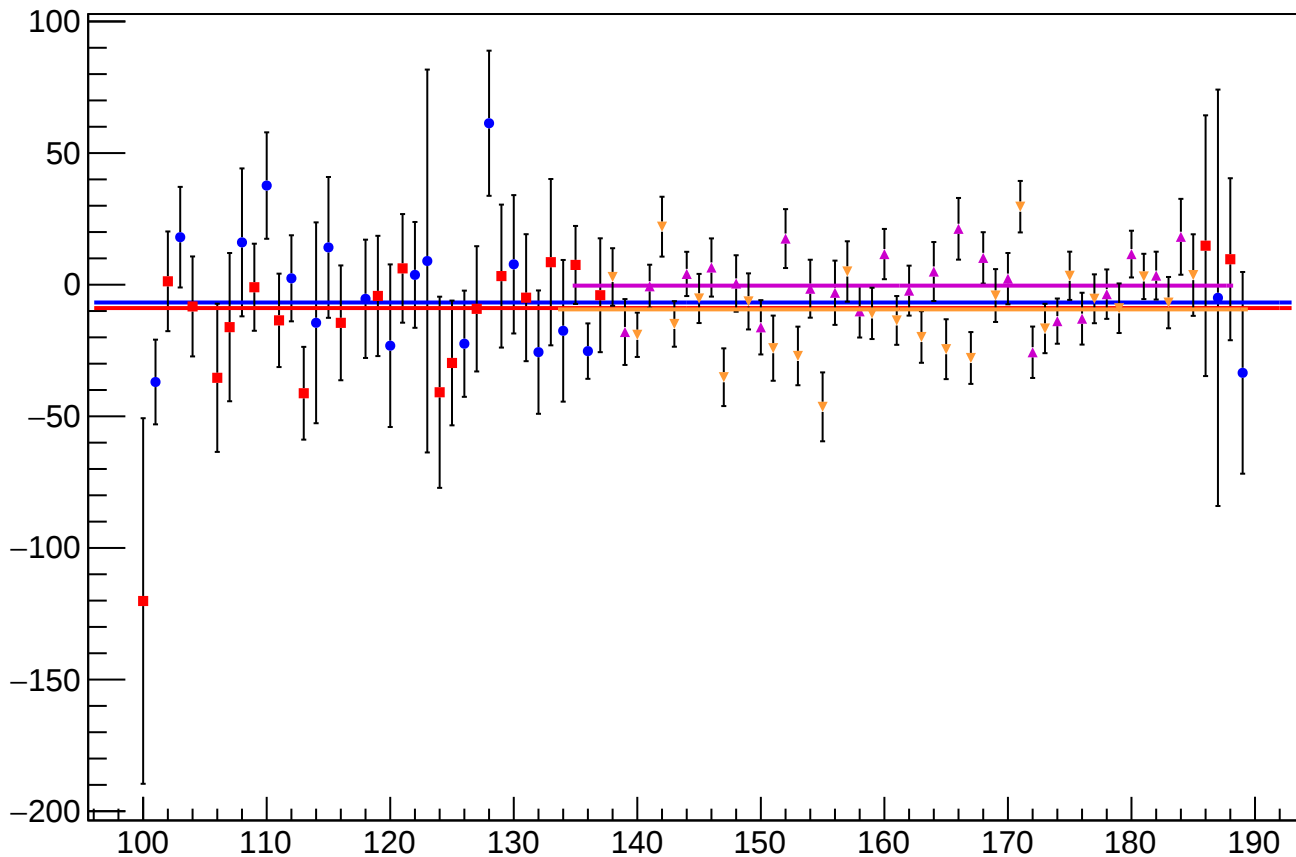
Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

+ sign 7228.141 ± 1.027 $\chi^2/\text{NDF}: 1360663.4/43$

All: 7208.899 ± 0.726 $\chi^2/\text{NDF}: 3332083.7/87$

- sign 7189.673 ± 1.026 $\chi^2/\text{NDF}: 1970718.1/43$

diff_bpm4eX_mean vs Slug



Right In: -6.759 ± 4.992 χ^2/NDF : 23.7/18

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -8.879 ± 4.923 χ^2/NDF : 12.1/20

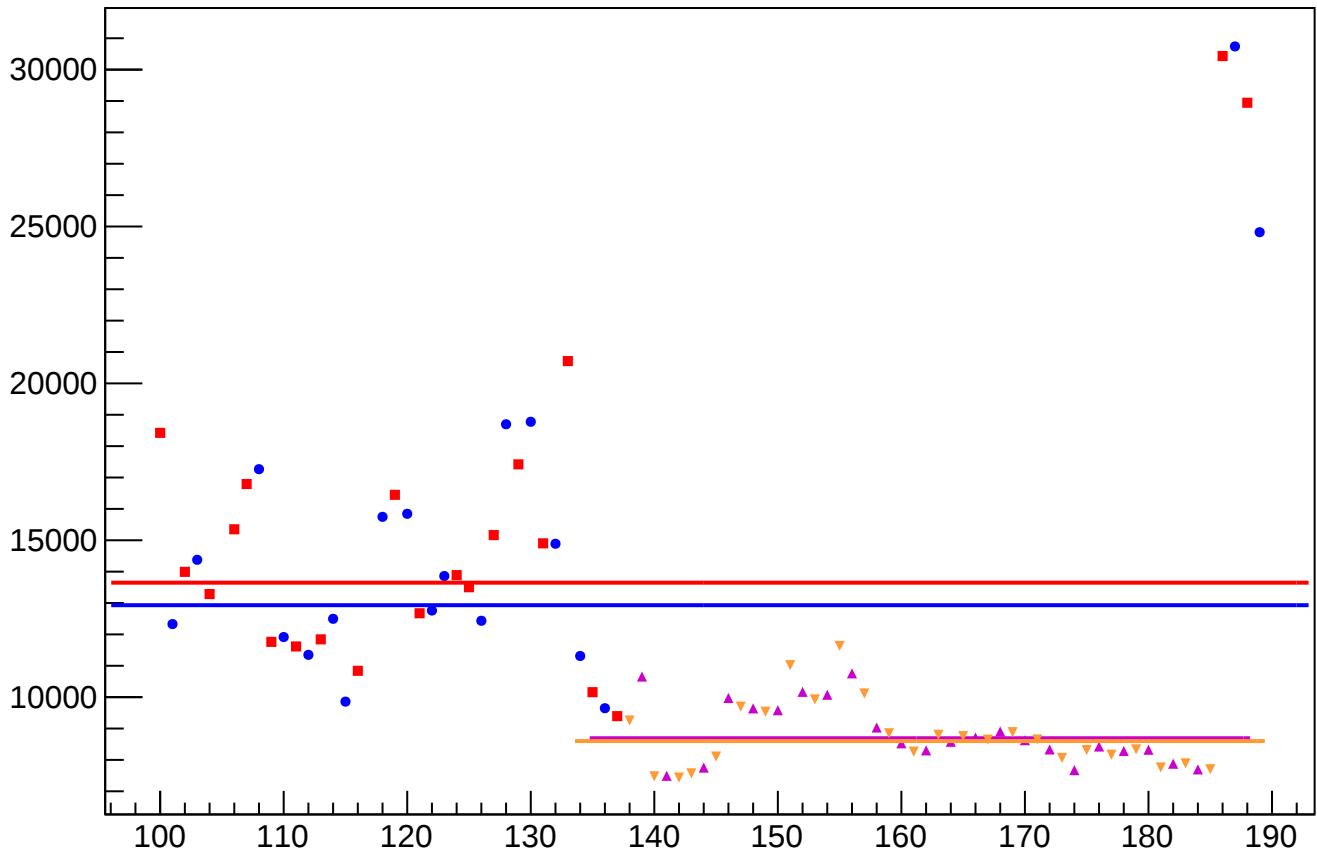
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.009 ± 1.871 χ^2/NDF : 82.3/43

All: -5.439 ± 1.342 χ^2/NDF : 134.1/87

- sign -1.658 ± 1.926 χ^2/NDF : 44.3/43

diff_bpm4eX_rms vs Slug



Right In: 12930.709+/-3.530 χ^2/NDF : 859409.1/18

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 13648.788+/-3.481 χ^2/NDF : 1248619.9/20

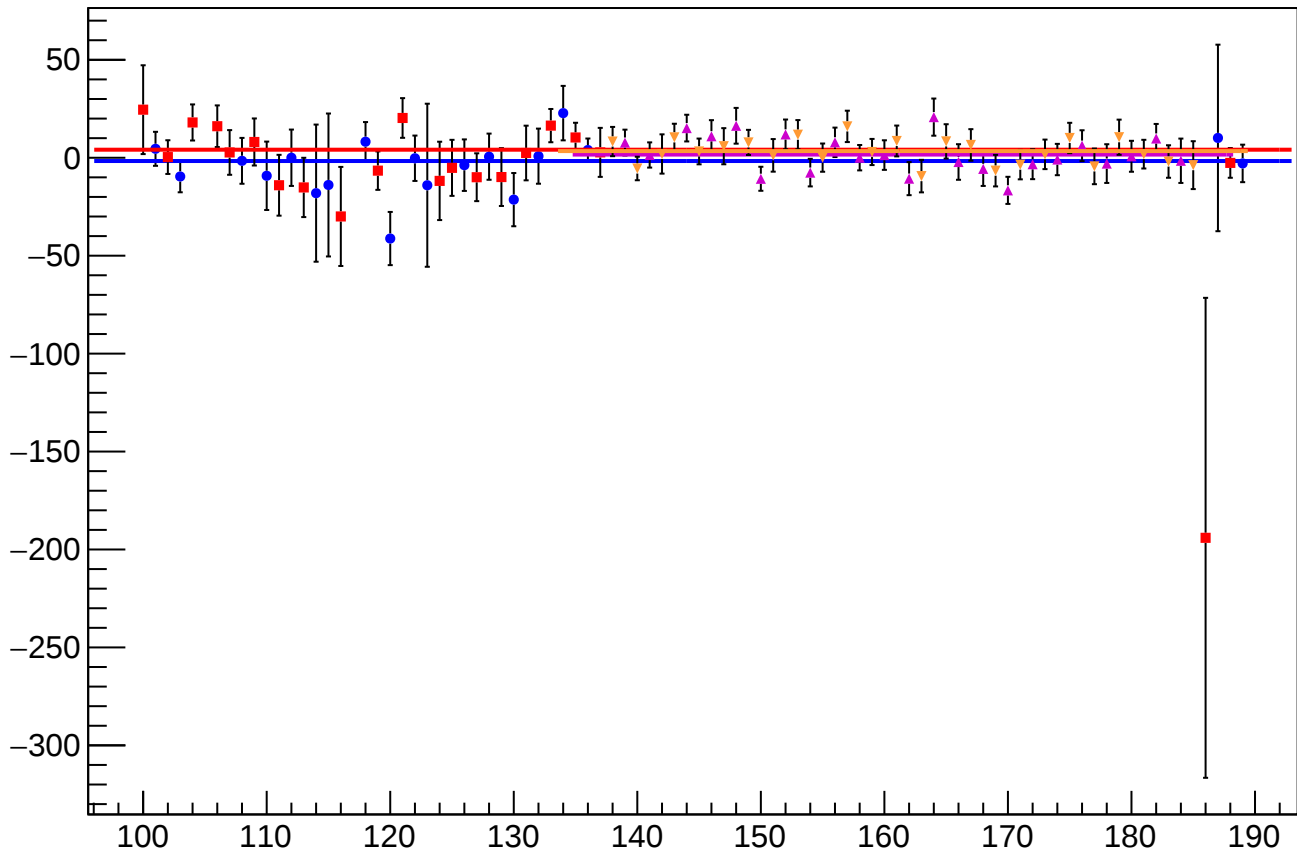
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 9208.556+/-1.323 χ^2/NDF : 2591185.5/43

All: 9325.175+/-0.949 χ^2/NDF : 5945114.2/87

- sign 9448.732+/-1.362 χ^2/NDF : 3337921.7/43

diff_bpm4eY_mean vs Slug



Right In: -1.668 ± 2.693 χ^2/NDF : 17.8/18

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 4.113 ± 2.499 χ^2/NDF : 22.7/20

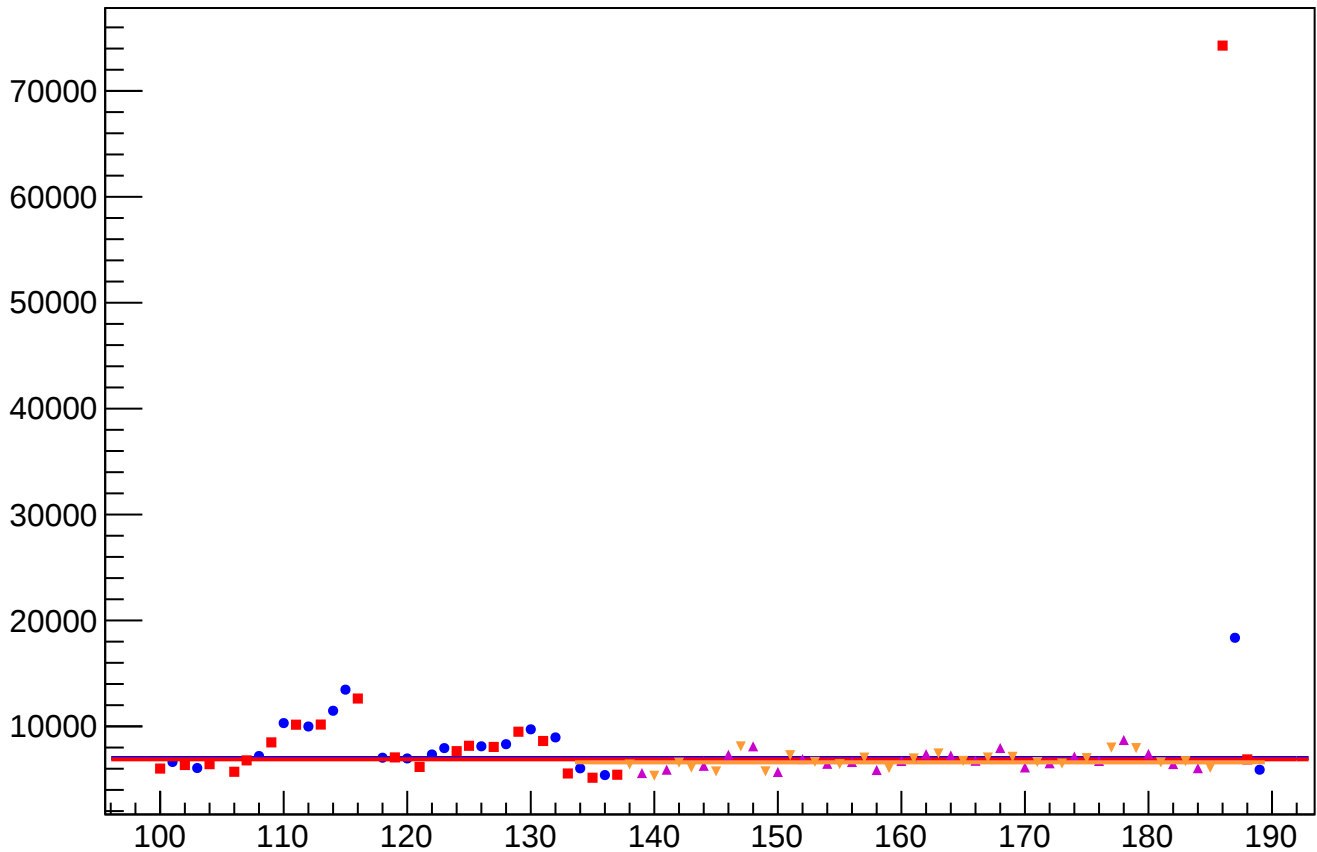
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.142 ± 1.344 χ^2/NDF : 37.4/43

All: 2.245 ± 0.951 χ^2/NDF : 94.3/87

- sign 2.349 ± 1.347 χ^2/NDF : 56.9/43

diff_bpm4eY_rms vs Slug



Right In: 7013.763+/-1.904 χ^2/NDF : 742918.1/18

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

+ sign 6708.356+/-0.950 χ^2/NDF : 1175593.6/43

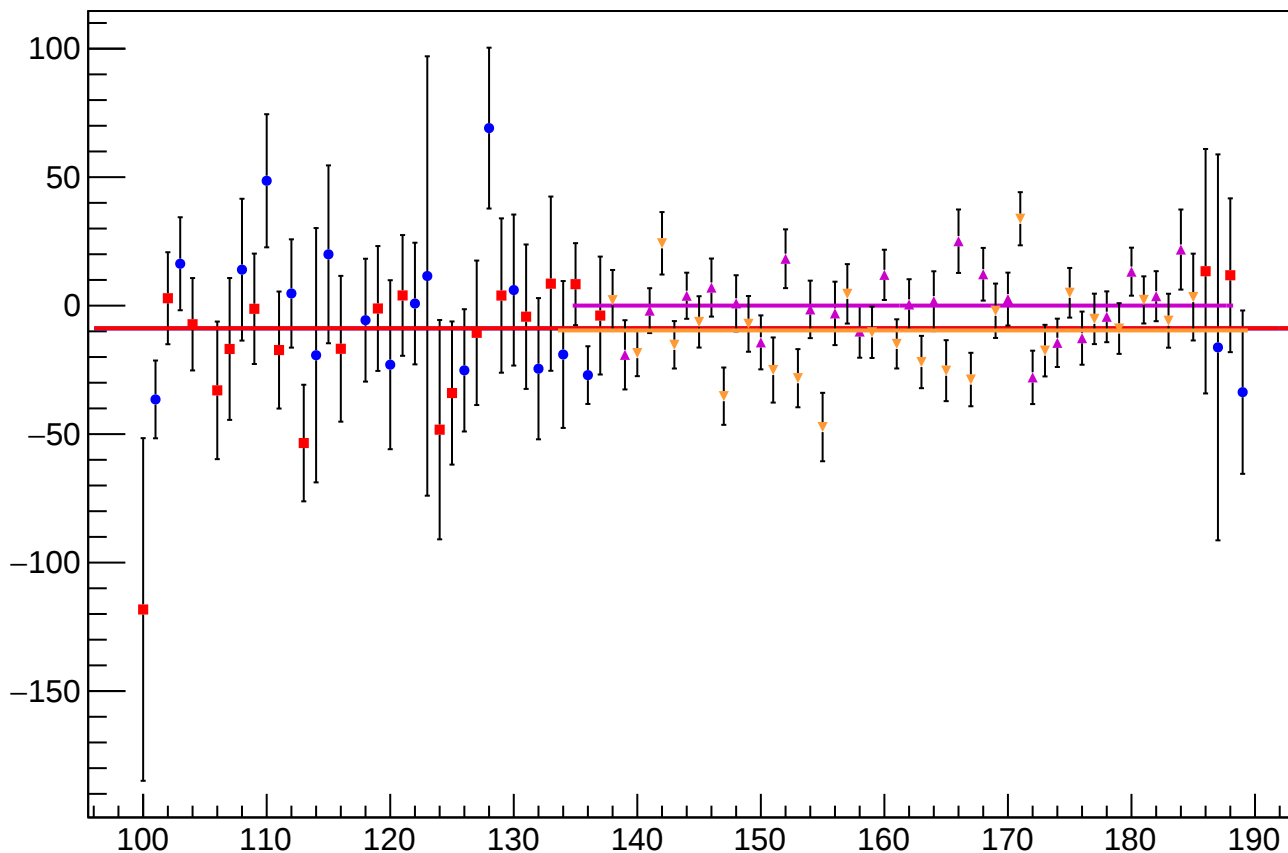
Right Out: 6886.927+/-1.767 χ^2/NDF : 1291772.3/20

All: 6706.027+/-0.673 χ^2/NDF : 2912817.0/87

Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

- sign 6703.687+/-0.952 χ^2/NDF : 1737211.4/43

diff_bpm4acX_mean vs Slug



Right In: -8.874 ± 5.431 χ^2/NDF : 23.1/18

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -8.805 ± 5.450 χ^2/NDF : 12.7/20

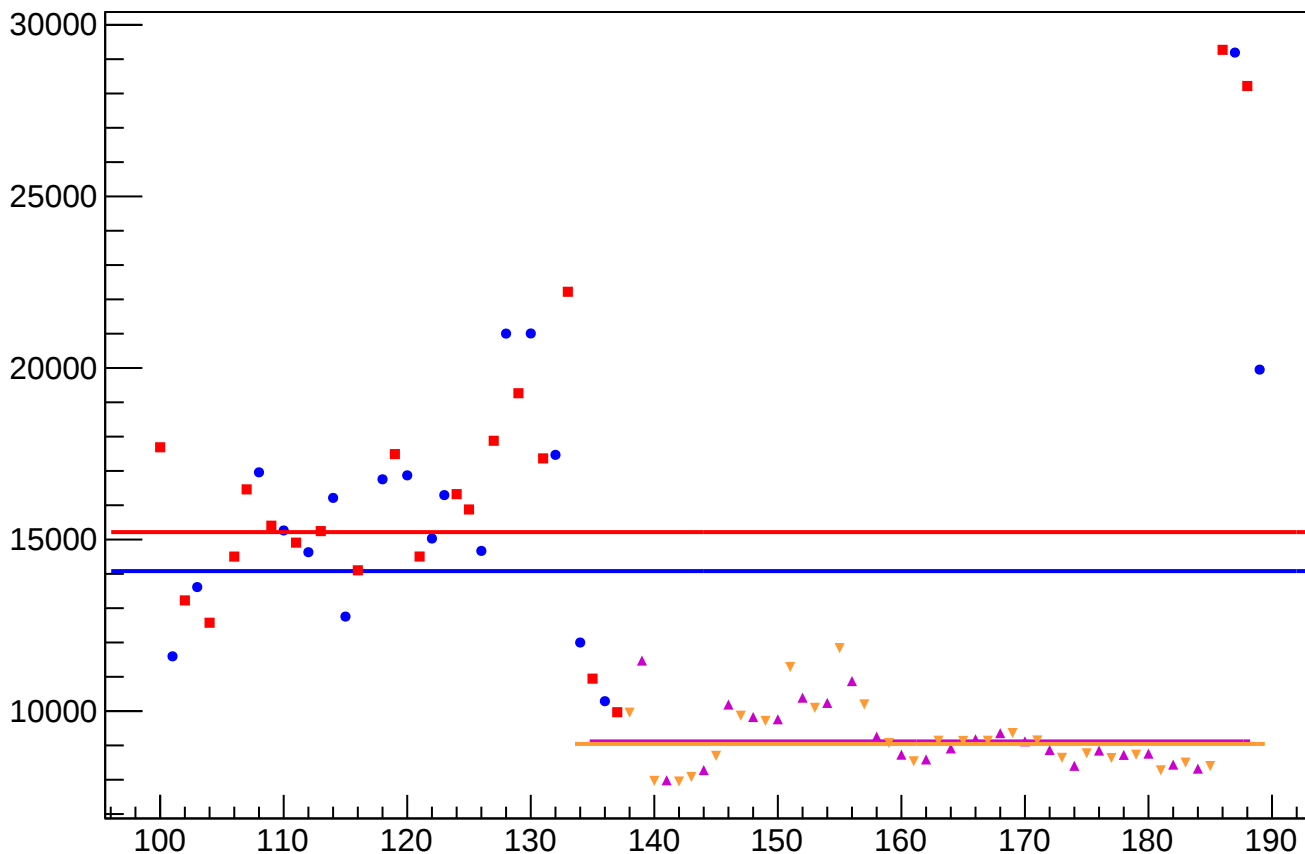
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.546 ± 1.973 χ^2/NDF : 82.9/43

All: -5.503 ± 1.416 χ^2/NDF : 137.1/87

- sign -1.209 ± 2.034 χ^2/NDF : 45.6/43

diff_bpm4acX_rms vs Slug



Right In: 14081.194+/-3.840 χ^2/NDF : 761592.0/18

Left Out: 9043.485+/-1.498 χ^2/NDF :328192.2/24

Right Out: 15216.854+/-3.854 χ^2/NDF : 1052920.6/20

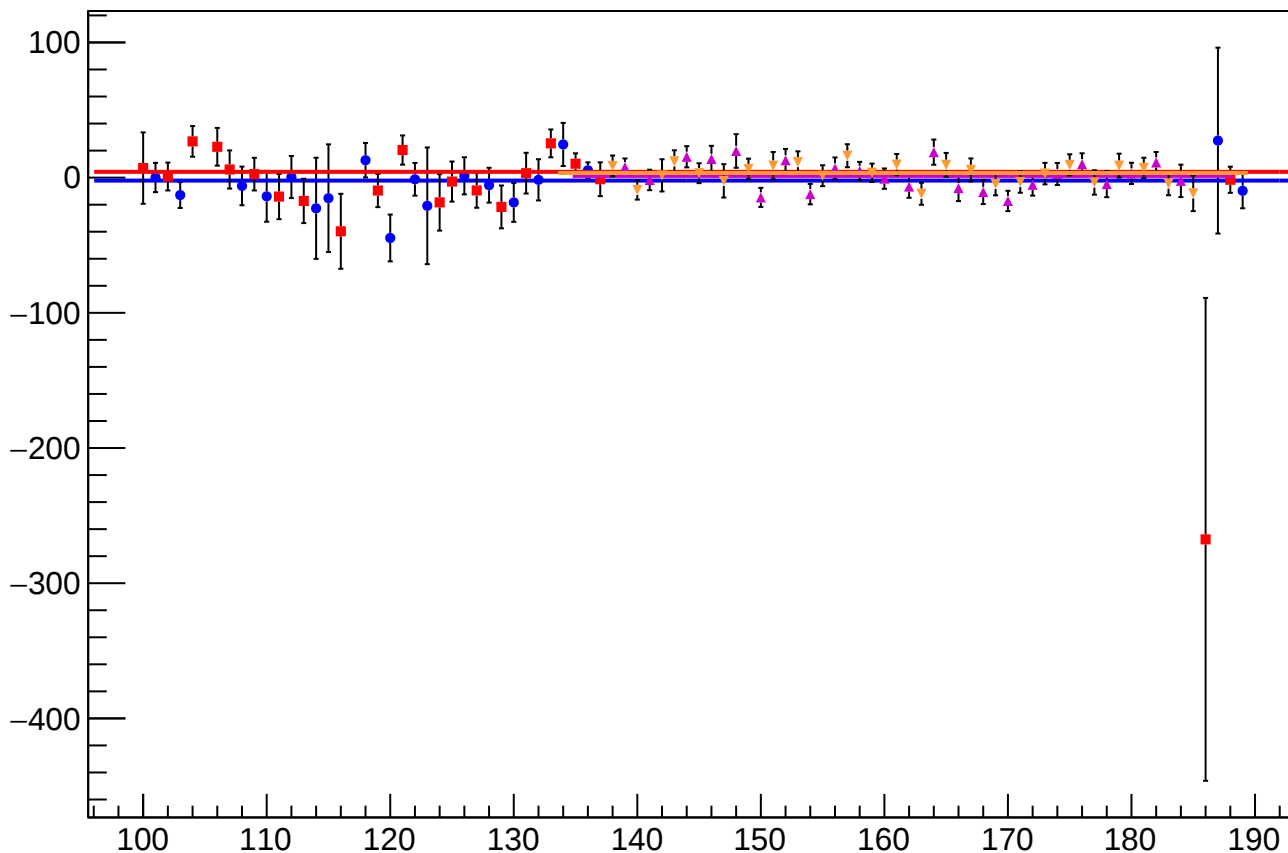
Left In: 9116.921+/-1.550 χ^2/NDF :277594.8/22

+ sign 9708.719+/-1.395 χ^2/NDF : 2583579.4/43

All: 9833.625+/-1.001 χ^2/NDF : 6087191.6/87

- sign 9966.275+/-1.438 χ^2/NDF : 3487090.8/43

diff_bpm4acY_mean vs Slug



Right In: -2.181 ± 3.023 $\chi^2/\text{NDF}: 16.2/18$

Left Out: 3.439 ± 1.666 $\chi^2/\text{NDF}: 18.9/24$

Right Out: 4.292 ± 2.837 $\chi^2/\text{NDF}: 27.7/20$

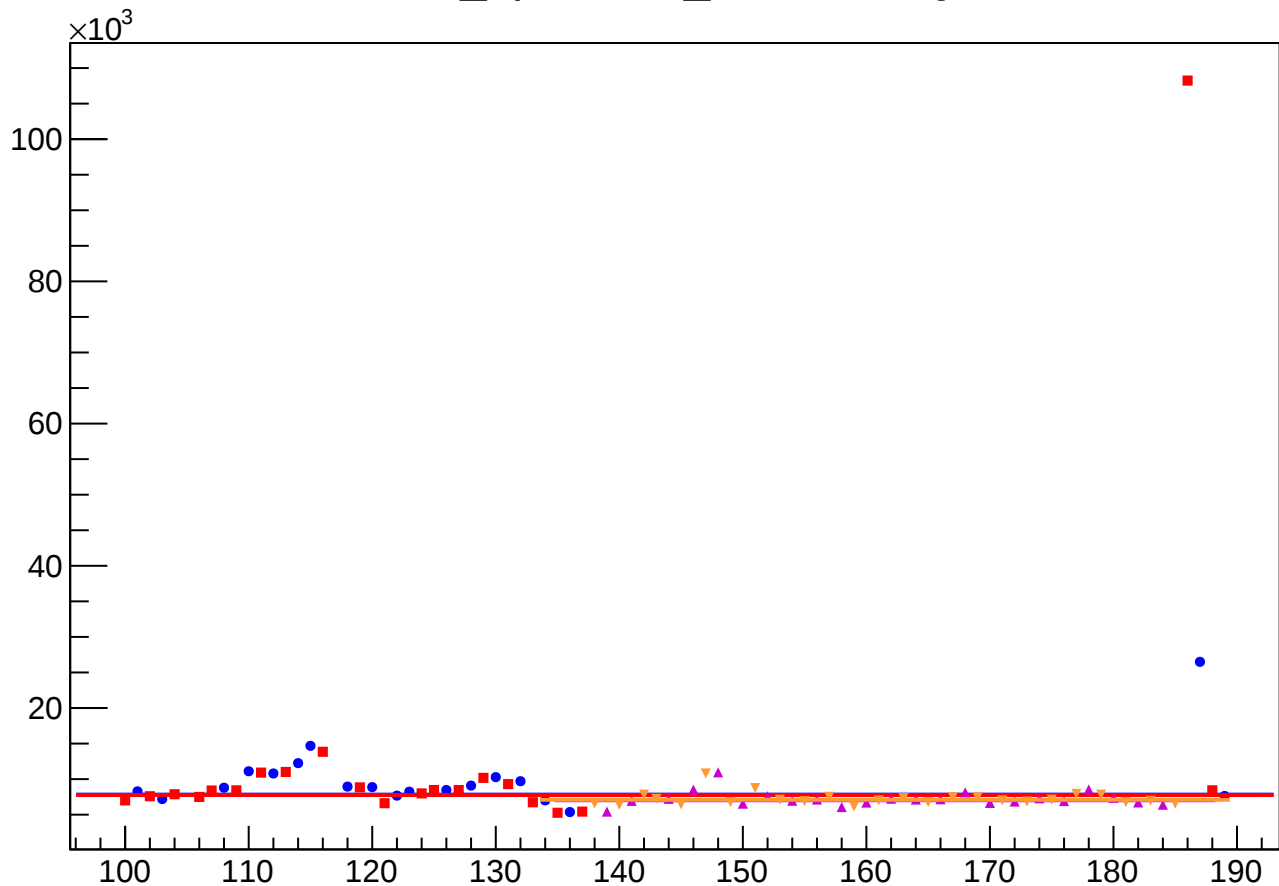
Left In: 1.291 ± 1.701 $\chi^2/\text{NDF}: 36.5/22$

+ sign 2.130 ± 1.459 $\chi^2/\text{NDF}: 37.8/43$

All: 2.107 ± 1.032 $\chi^2/\text{NDF}: 102.9/87$

- sign 2.084 ± 1.459 $\chi^2/\text{NDF}: 65.1/43$

diff_bpm4acY_rms vs Slug



Right In: 7813.086 $\pm$ 2.138 χ^2/NDF : 886370.3/18

Left Out: 7098.726 $\pm$ 1.178 χ^2/NDF : 382550.4/24

Right Out: 7770.615 $\pm$ 2.006 χ^2/NDF : 1316721.8/20

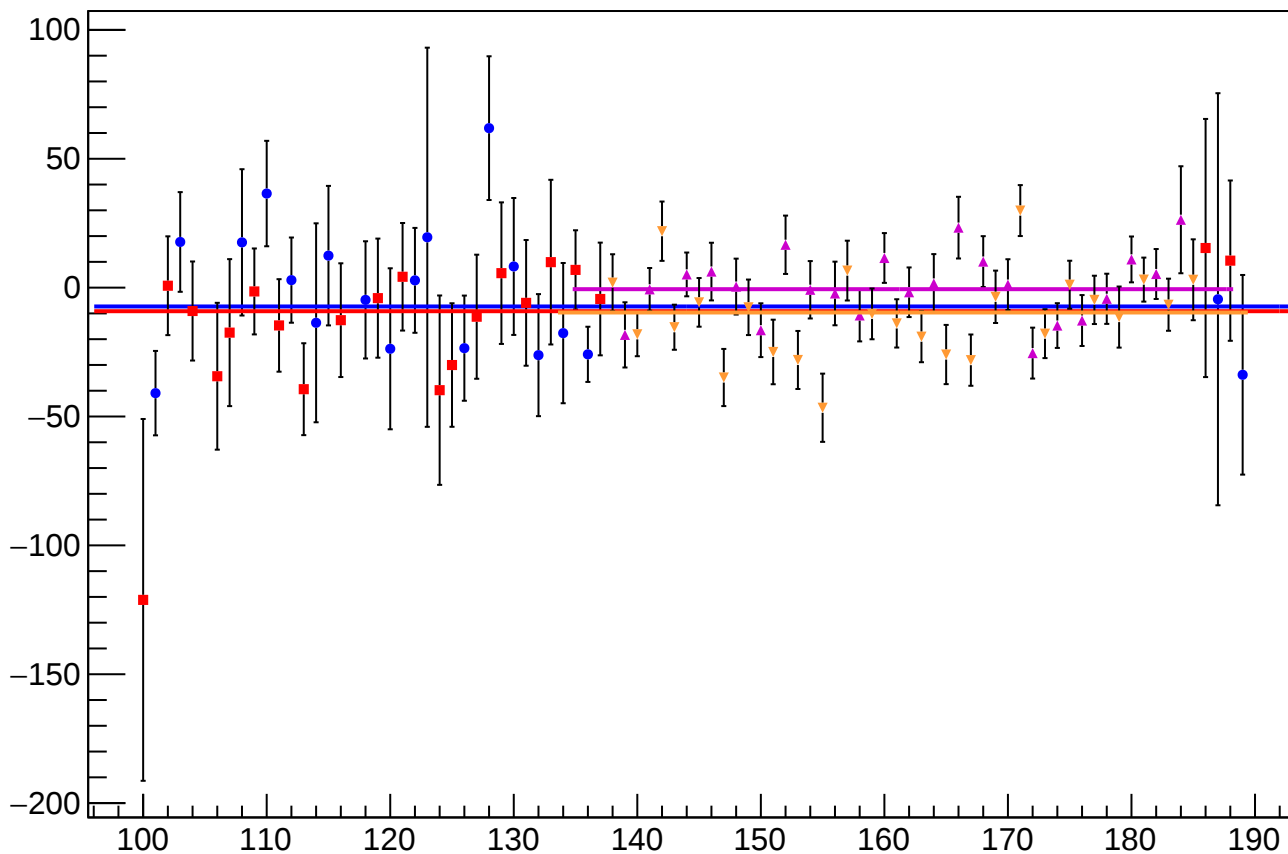
Left In: 7033.702 $\pm$ 1.203 χ^2/NDF : 541035.5/22

+ sign 7265.159 $\pm$ 1.032 χ^2/NDF : 1354583.0/43

All: 7246.825 $\pm$ 0.730 χ^2/NDF : 3312209.9/87

- sign 7228.498 $\pm$ 1.032 χ^2/NDF : 1956995.5/43

diff_bpm4ecX_mean vs Slug



Right In: -7.306 ± 5.059 χ^2/NDF : 24.2/18

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -9.145 ± 4.993 χ^2/NDF : 11.2/20

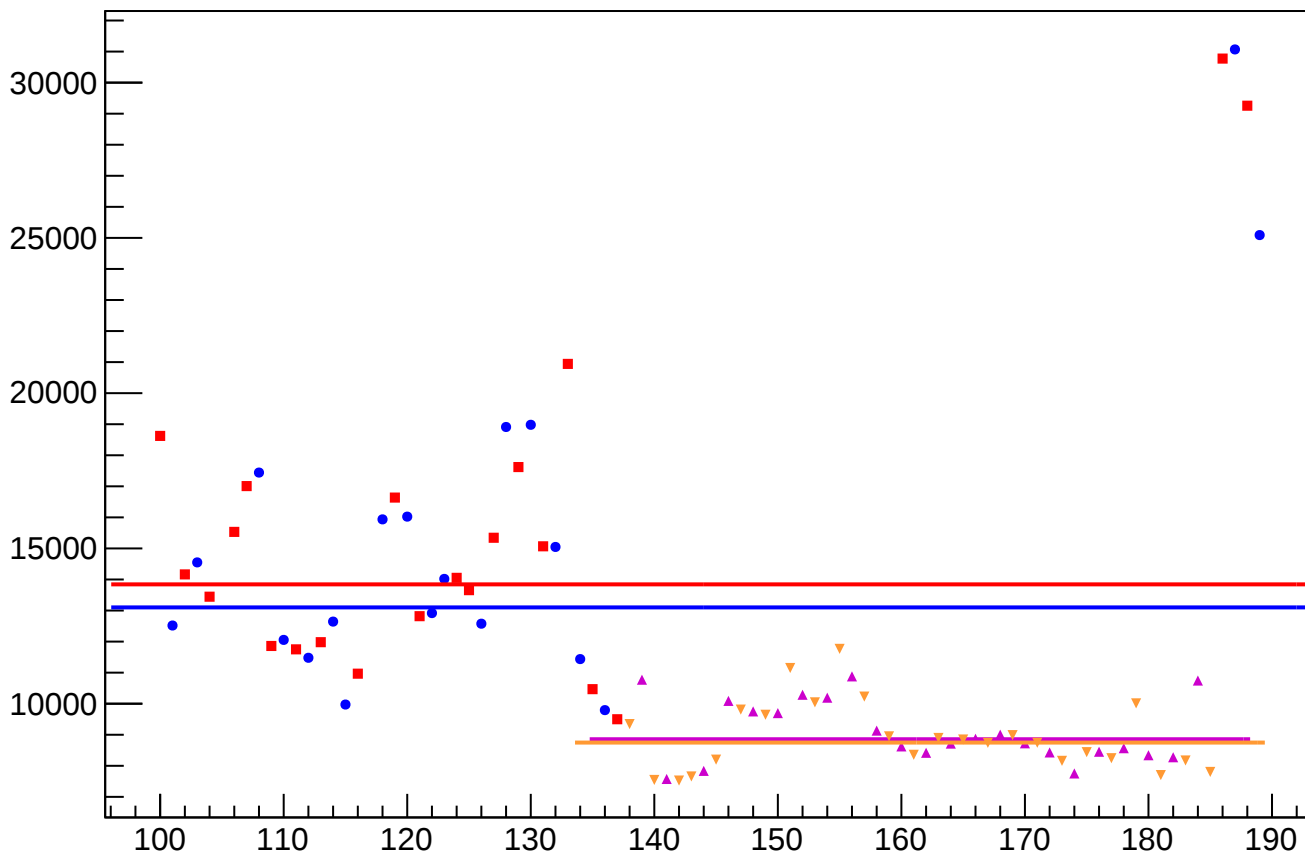
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.309 ± 1.906 χ^2/NDF : 82.1/43

All: -5.724 ± 1.367 χ^2/NDF : 132.7/87

- sign -1.920 ± 1.963 χ^2/NDF : 43.4/43

diff_bpm4ecX_rms vs Slug



Right In: 13101.050 $\pm$ 3.577 χ^2 /NDF: 851859.2/18

Left Out: 8748.407 $\pm$ 1.455 χ^2 /NDF:463394.1/24

Right Out: 13842.906 $\pm$ 3.530 χ^2 /NDF: 1232506.3/20

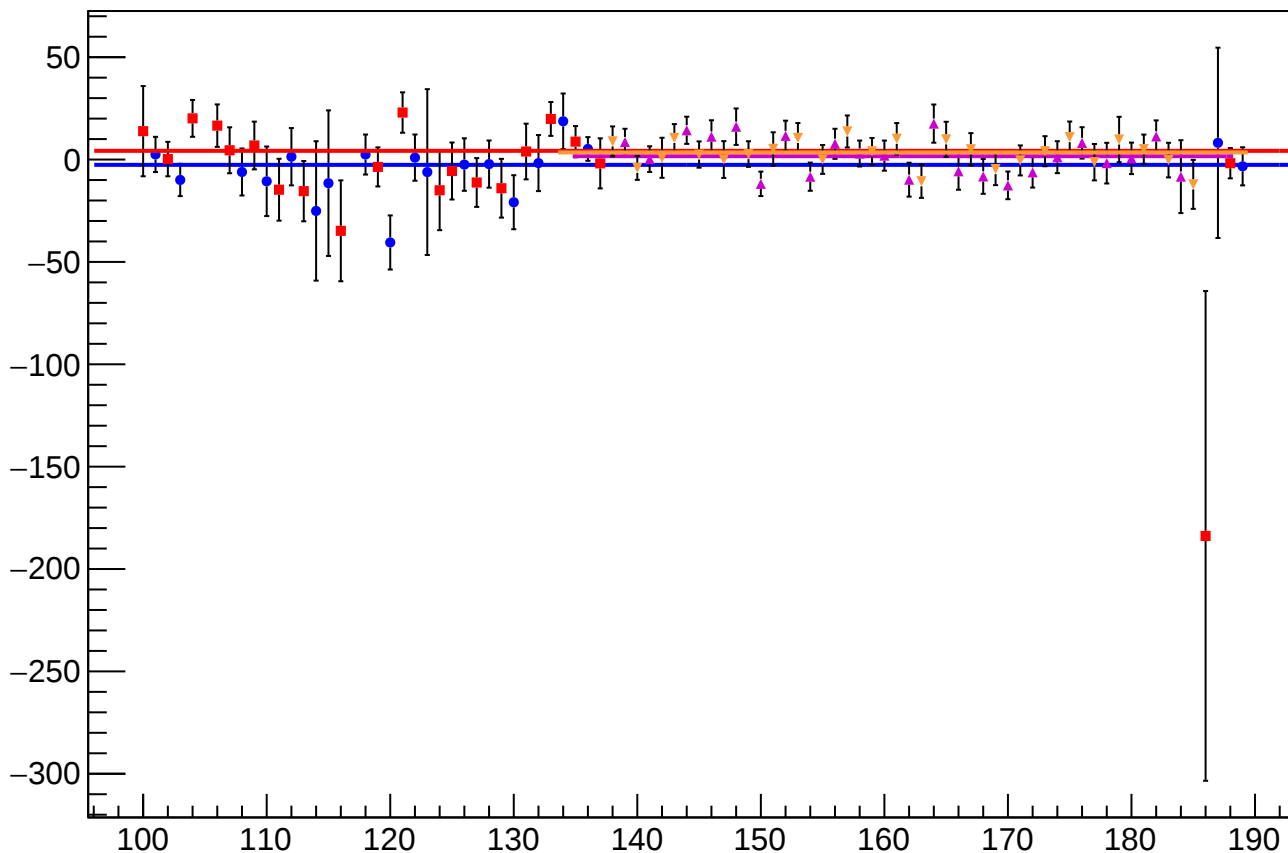
Left In: 8855.591 $\pm$ 1.510 χ^2 /NDF:367542.7/22

+ sign 9366.089 $\pm$ 1.348 χ^2 /NDF: 2585736.5/43

All: 9492.483 $\pm$ 0.967 χ^2 /NDF: 5891047.8/87

- sign 9626.602 $\pm$ 1.388 χ^2 /NDF: 3287178.2/43

diff_bpm4ecY_mean vs Slug



Right In: -2.590 ± 2.635 χ^2/NDF : 17.0/18

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 4.265 ± 2.448 χ^2/NDF : 27.2/20

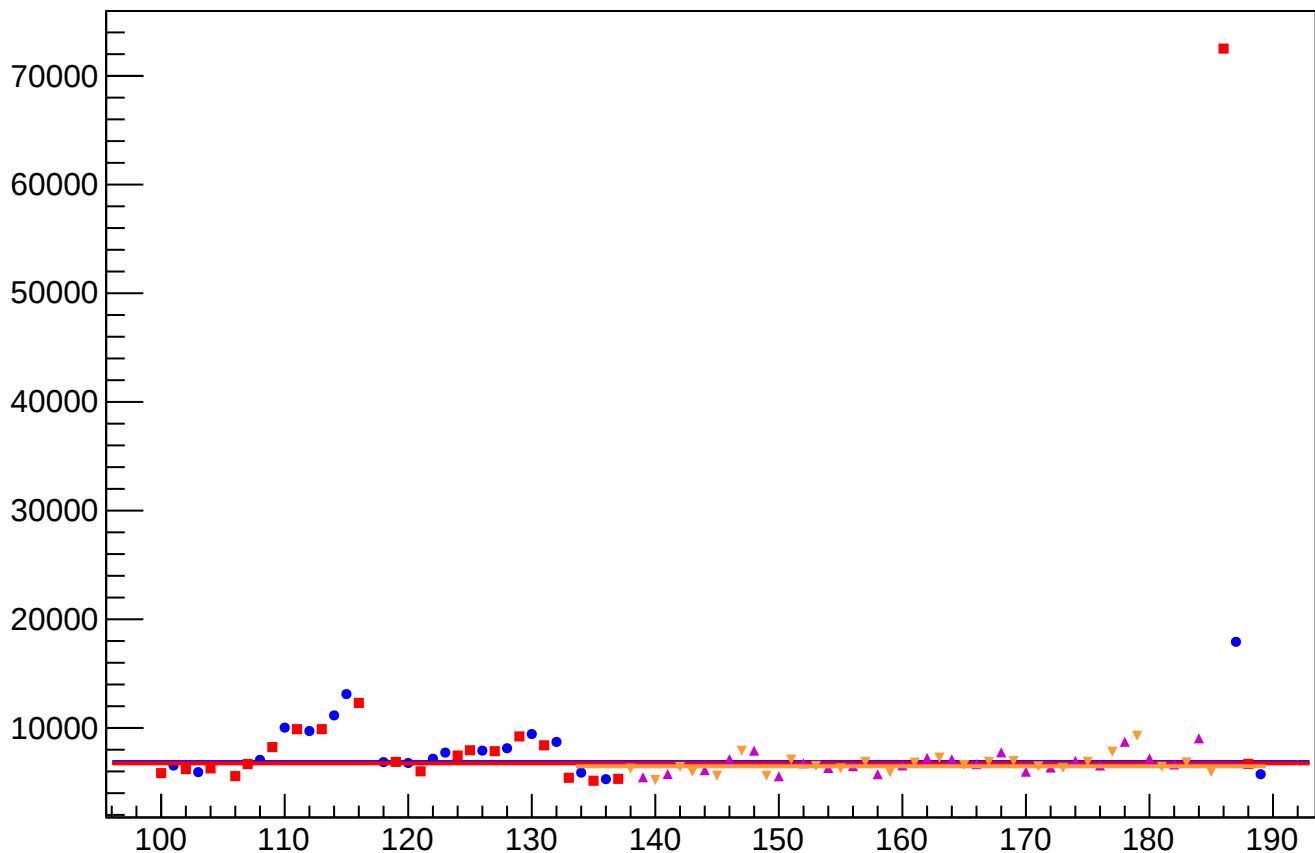
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 1.953 ± 1.319 χ^2/NDF : 36.7/43

All: 2.180 ± 0.935 χ^2/NDF : 98.5/87

- sign 2.409 ± 1.326 χ^2/NDF : 61.8/43

diff_bpm4ecY_rms vs Slug



Right In: 6859.033+/-1.863 χ^2/NDF : 730966.9/18

Left Out: 6471.976+/-1.078 χ^2/NDF : 490282.9/24

Right Out: 6743.656+/-1.731 χ^2/NDF : 1262871.5/20

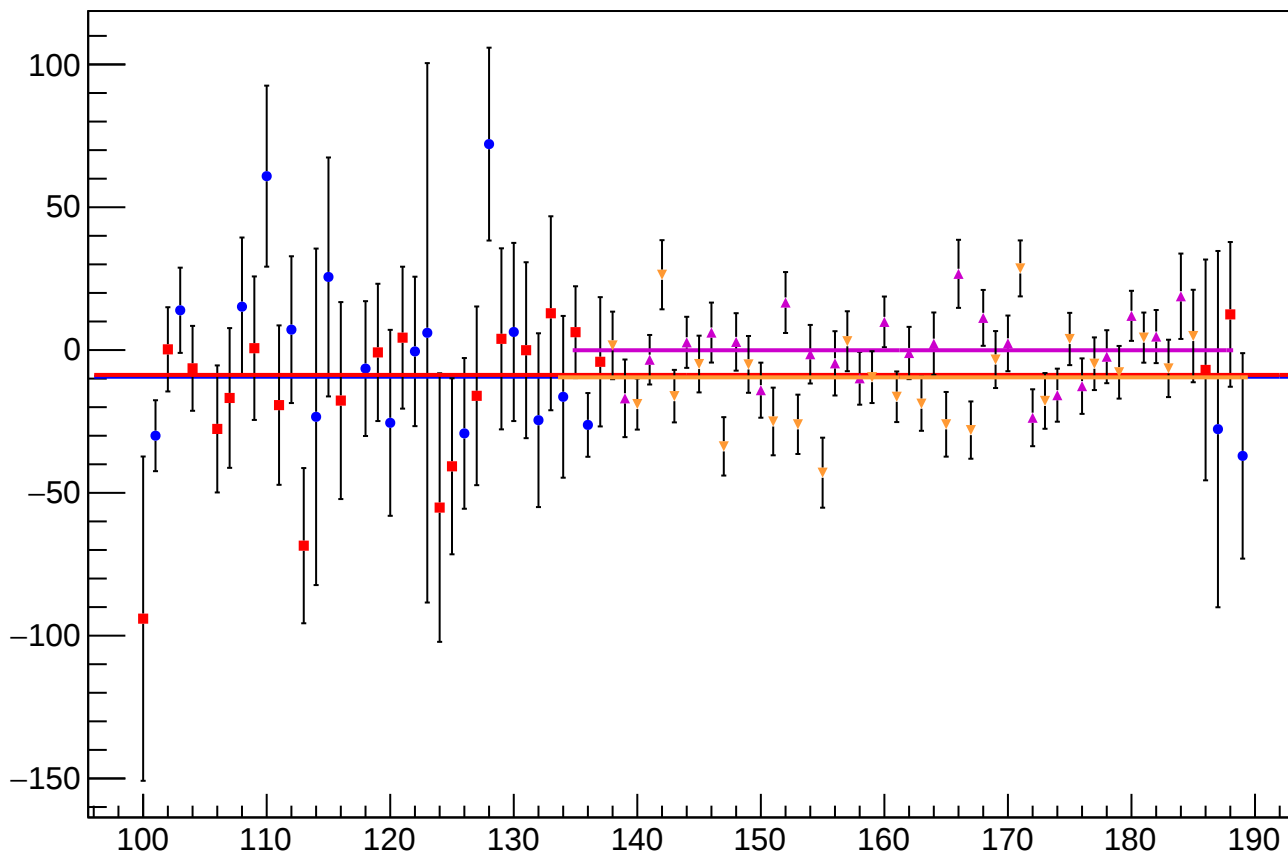
Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22

+ sign 6569.032+/-0.933 χ^2/NDF : 1253585.6/43

All: 6577.999+/-0.661 χ^2/NDF : 3008267.5/87

- sign 6587.058+/-0.938 χ^2/NDF : 1754496.2/43

diff_bpm1X_mean vs Slug



Right In: -9.339 ± 5.339 χ^2/NDF : 22.6/18

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -8.701 ± 5.343 χ^2/NDF : 13.4/20

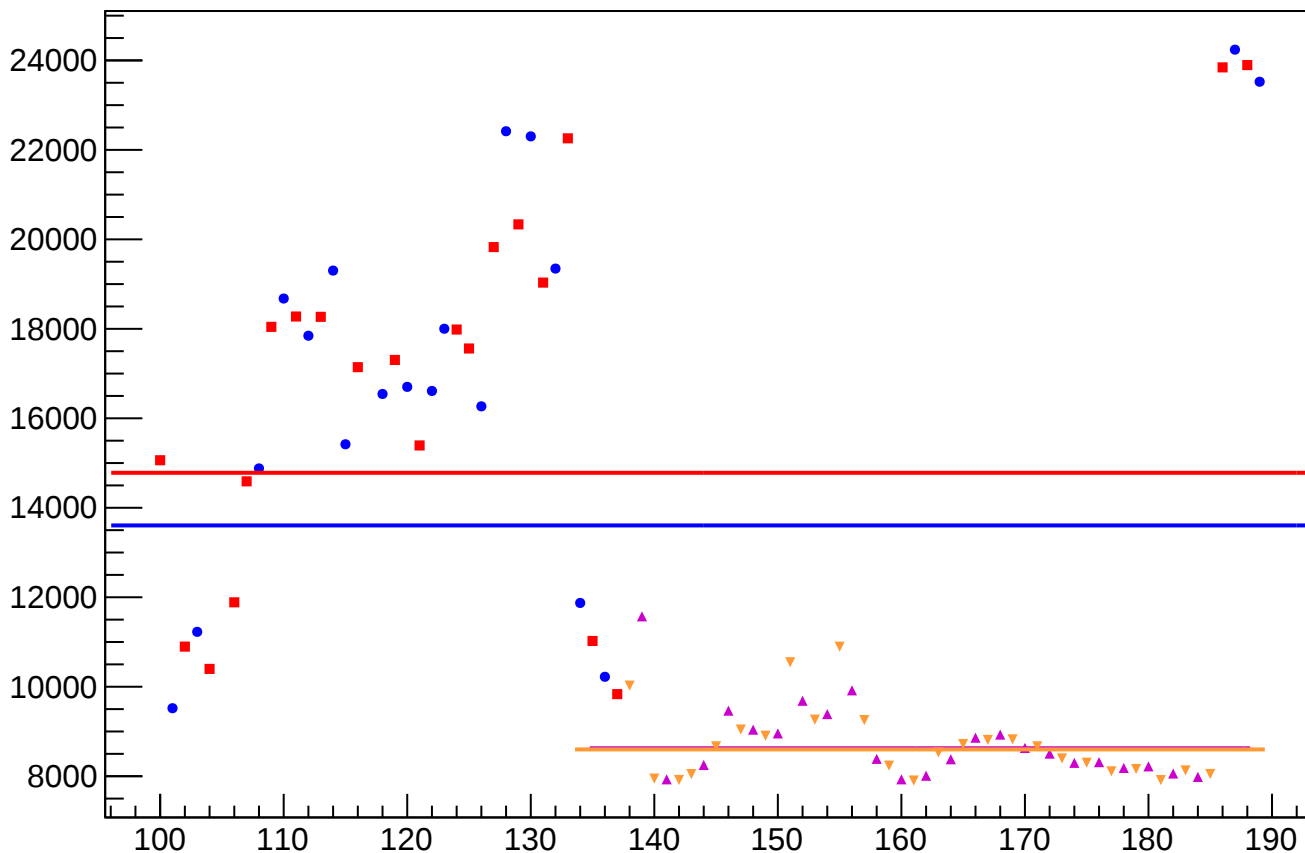
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.527 ± 1.883 χ^2/NDF : 82.2/43

All: -5.473 ± 1.348 χ^2/NDF : 137.2/87

- sign -1.201 ± 1.932 χ^2/NDF : 45.5/43

diff_bpm1X_rms vs Slug



Right In: 13605.706+/-3.775 χ^2/NDF : 1265371.9/18

Left Out: 8598.983+/-1.423 χ^2/NDF : 249070.5/24

Right Out: 14782.376+/-3.778 χ^2/NDF : 1324935.1/20

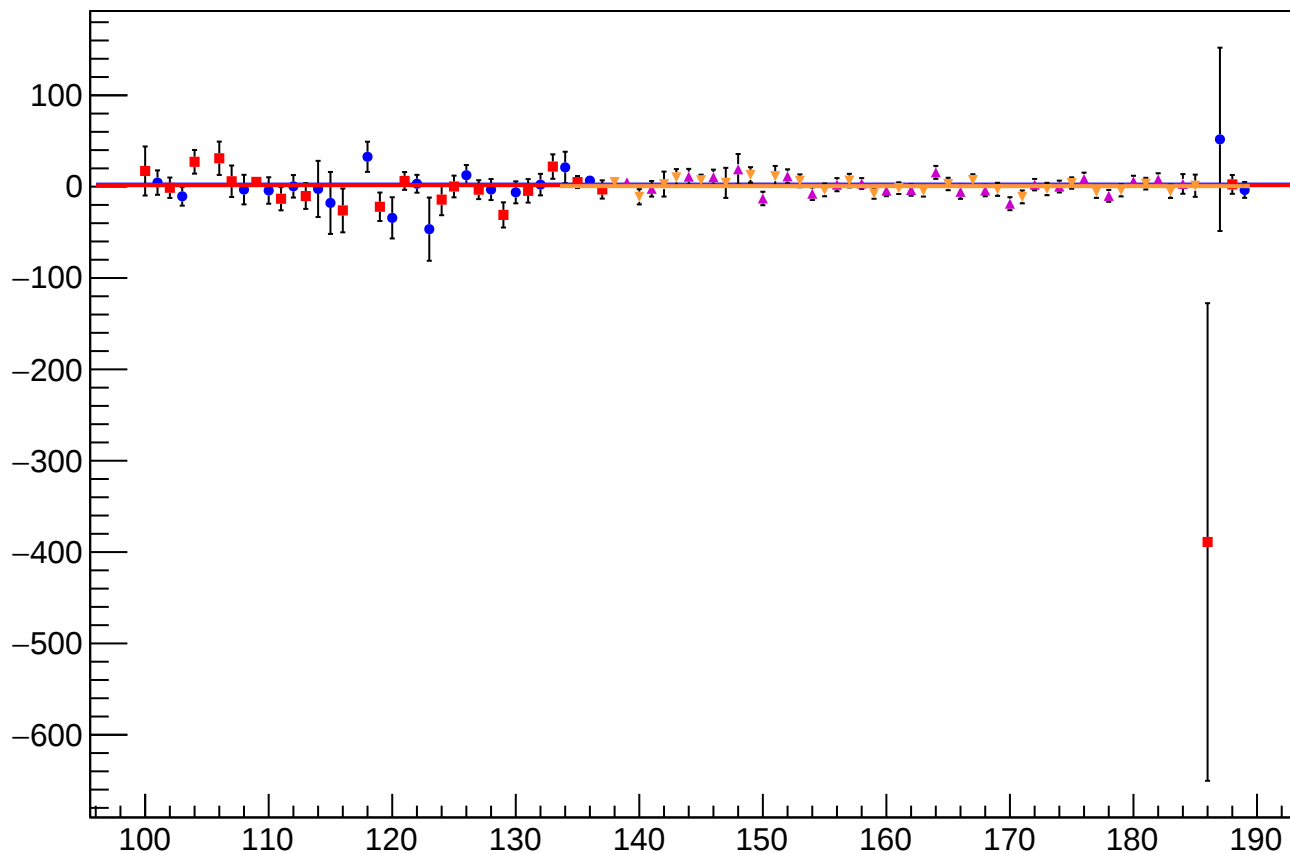
Left In: 8625.233+/-1.466 χ^2/NDF : 237310.9/22

+ sign 9221.552+/-1.331 χ^2/NDF : 3054790.0/43

All: 9323.411+/-0.953 χ^2/NDF : 6937881.2/87

- sign 9430.736+/-1.366 χ^2/NDF : 3871066.6/43

diff_bpm1Y_mean vs Slug



Right In: 2.256+/-2.630 χ^2/NDF : 14.7/18

Left Out: 0.528+/-1.418 χ^2/NDF : 19.5/24

Right Out: 1.655+/-2.381 χ^2/NDF : 25.5/20

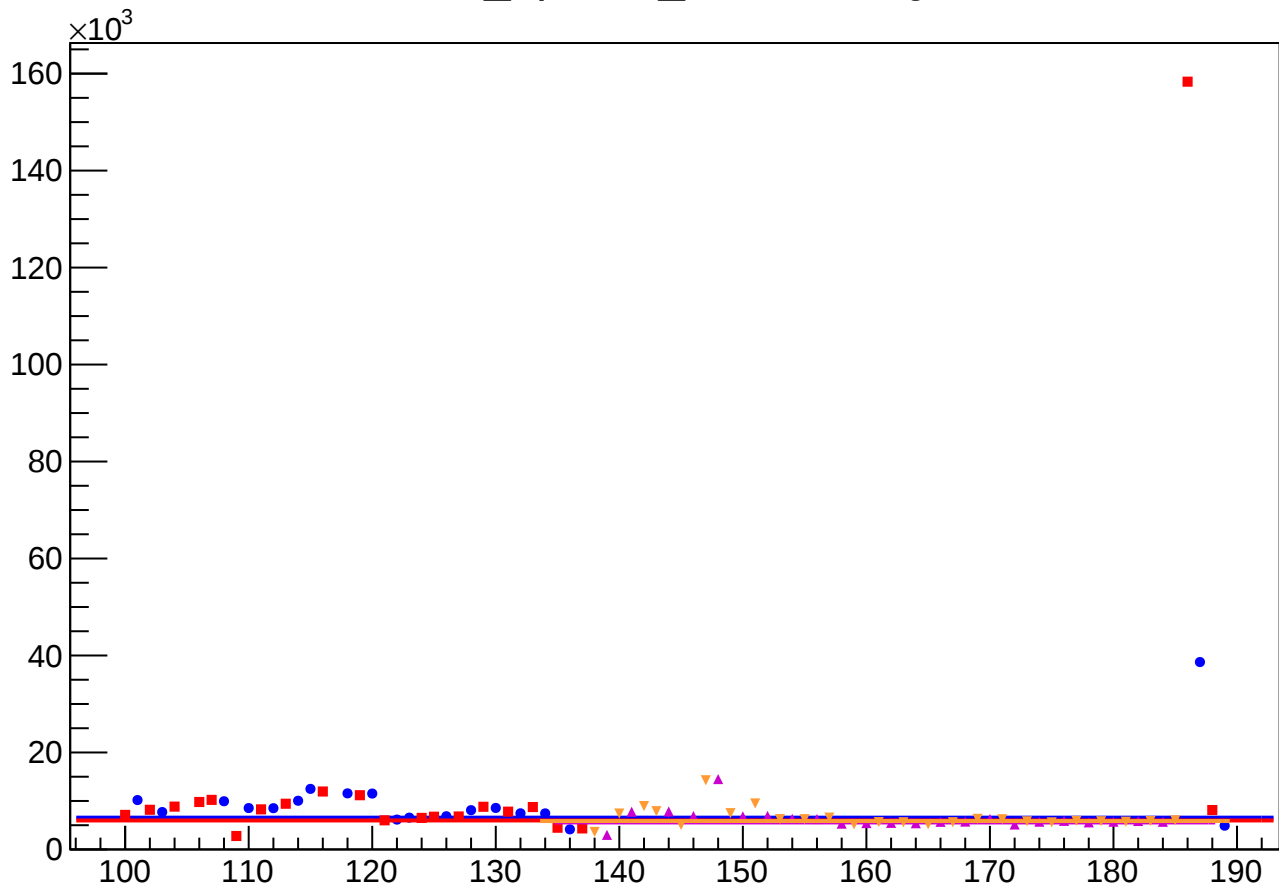
Left In: 1.050+/-1.396 χ^2/NDF : 32.5/22

+ sign 0.917+/-1.248 χ^2/NDF : 34.5/43

All: 1.066+/-0.866 χ^2/NDF : 92.6/87

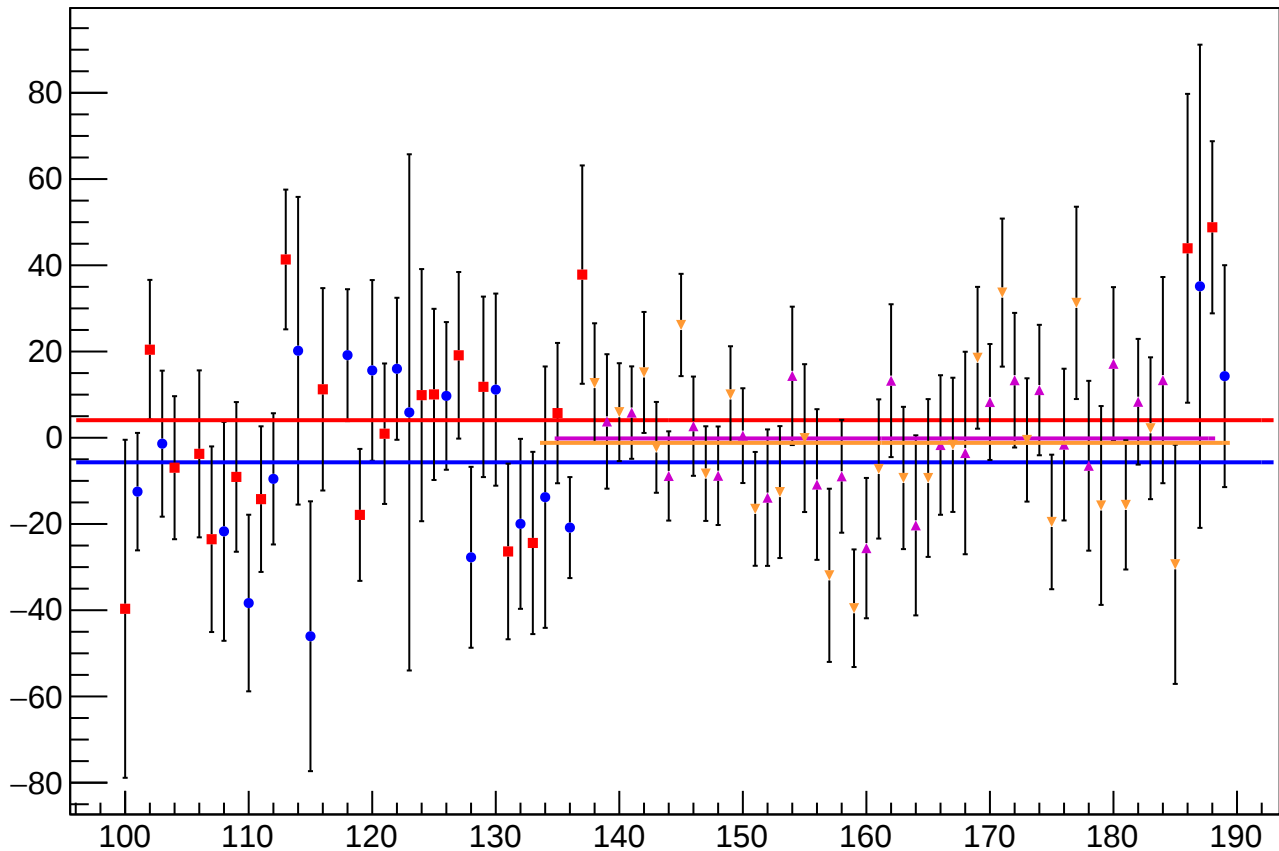
- sign 1.204+/-1.204 χ^2/NDF : 58.1/43

diff_bpm1Y_rms vs Slug



Right In: 6557.599 ± 1.860 $\chi^2/\text{NDF}: 1673038.0/18$ + sign 6017.526 ± 0.882 $\chi^2/\text{NDF}: 3471934.9/43$
 Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$ All: 5840.923 ± 0.613 $\chi^2/\text{NDF}: 8810341.1/87$
 Right Out: 5982.770 ± 1.684 $\chi^2/\text{NDF}: 3053825.9/20$ - sign 5676.515 ± 0.851 $\chi^2/\text{NDF}: 5261057.2/43$
 Left In: 5571.330 ± 0.987 $\chi^2/\text{NDF}: 2162788.3/22$

diff_bpm11X_mean vs Slug



Right In: -5.694 ± 4.475 χ^2/NDF : 16.8/18

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 4.073 ± 4.250 χ^2/NDF : 26.7/20

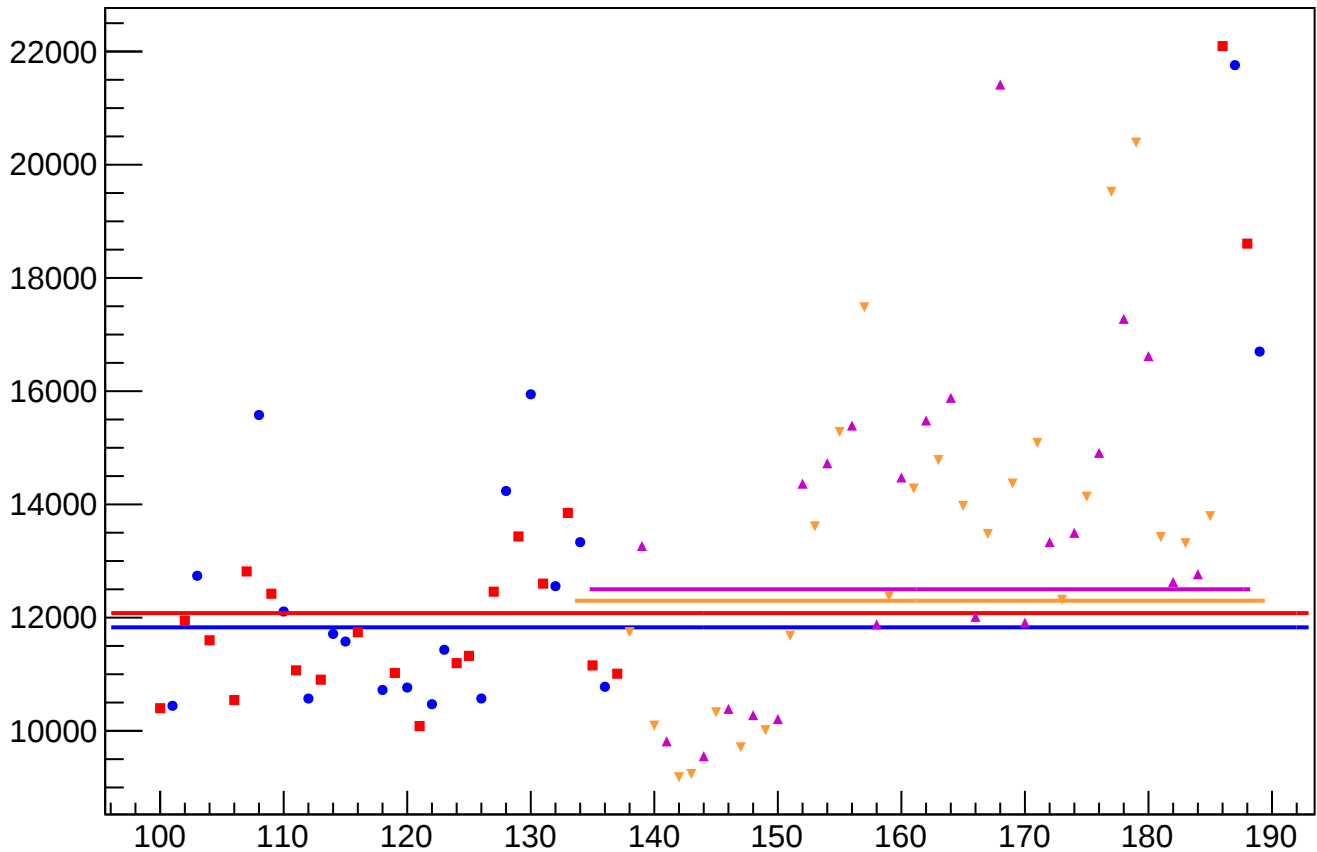
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.542 ± 2.456 χ^2/NDF : 51.2/43

All: -0.648 ± 1.746 χ^2/NDF : 91.3/87

- sign 1.286 ± 2.482 χ^2/NDF : 38.9/43

diff_bpm11X_rms vs Slug



Right In: 11828.505 $\pm$ 3.164 χ^2 /NDF: 377224.5/18

Left Out: 12298.676 $\pm$ 2.078 χ^2 /NDF:1506026.8/24

Right Out: 12080.074 $\pm$ 3.005 χ^2 /NDF: 488250.5/20

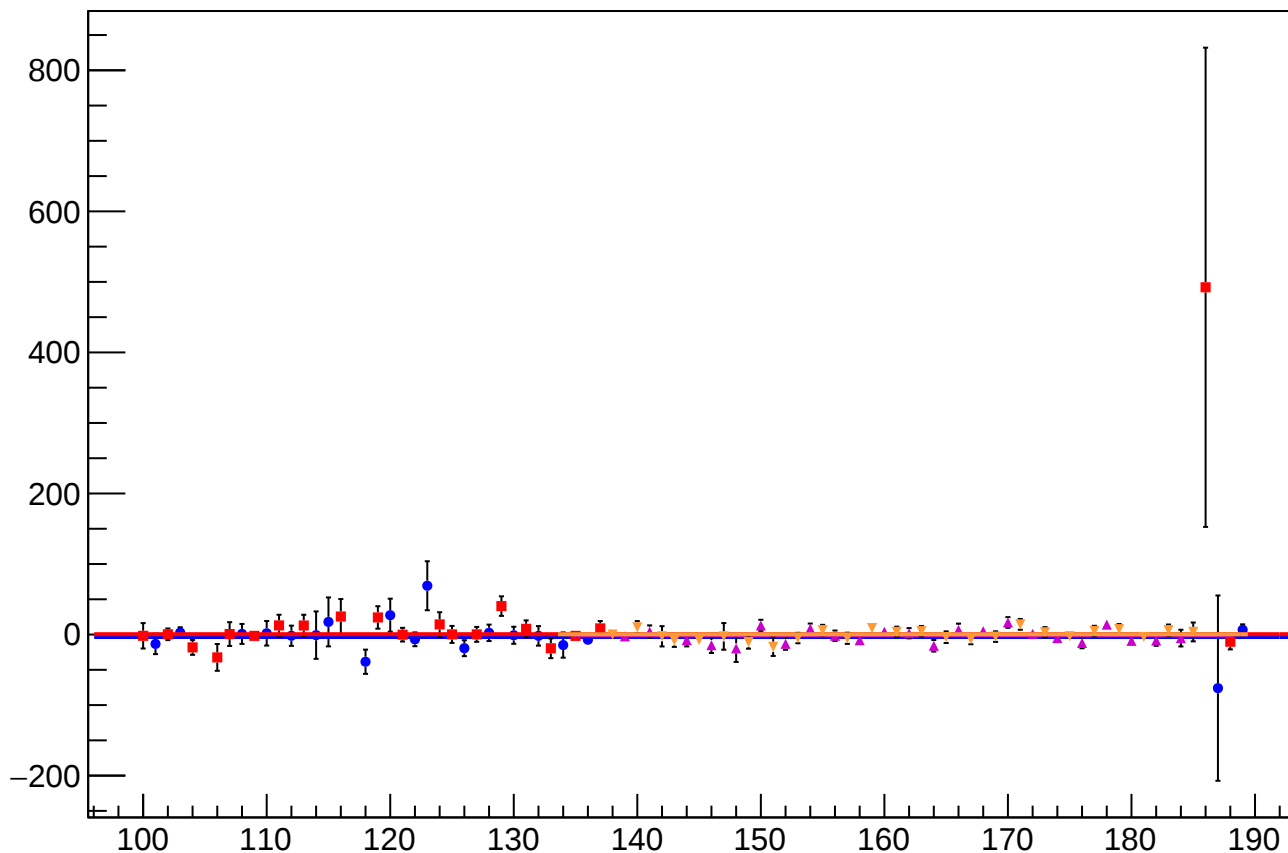
Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF:1357889.1/22

+ sign 12157.003 $\pm$ 1.737 χ^2 /NDF: 1898676.1/43

All: 12256.099 $\pm$ 1.235 χ^2 /NDF: 3764306.4/8

- sign 12357.287 $\pm$ 1.755 χ^2 /NDF: 1859052.2/43

diff_bpm11Y_mean vs Slug



Right In: -3.488 ± 2.622 χ^2/NDF : 17.5/18

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 0.523 ± 2.375 χ^2/NDF : 26.1/20

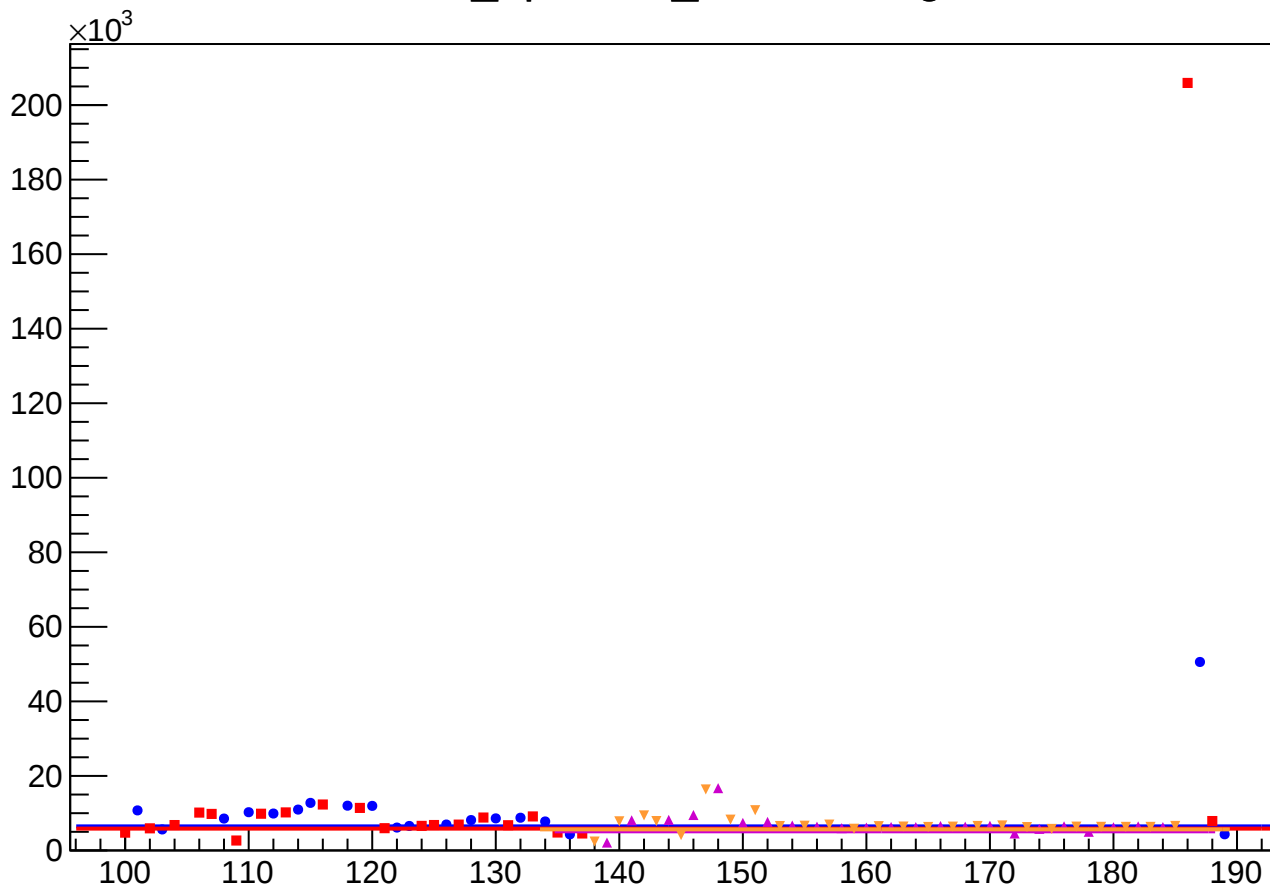
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign -0.530 ± 1.258 χ^2/NDF : 38.3/43

All: -0.643 ± 0.863 χ^2/NDF : 98.4/87

- sign -0.743 ± 1.188 χ^2/NDF : 60.1/43

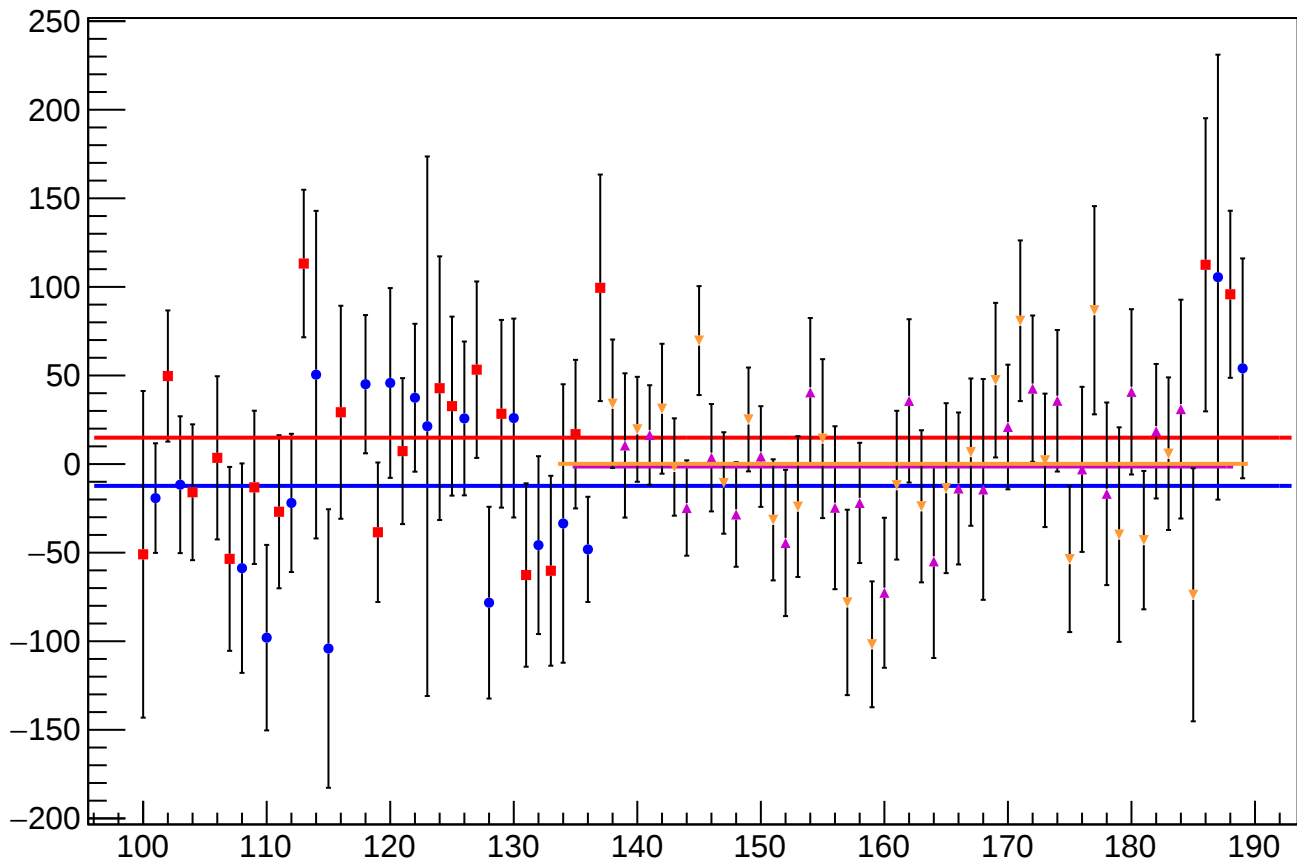
diff_bpm11Y_rms vs Slug



Right In: 6457.543 ± 1.854 χ^2/NDF : 1837976.6/18
 Left Out: 5659.441 ± 1.014 χ^2/NDF : 4128583.6/24
 Right Out: 5861.366 ± 1.679 χ^2/NDF : 2935016.9/20
 Left In: 5137.772 ± 0.970 χ^2/NDF : 5495609.7/22

+ sign 5843.053 ± 0.889 χ^2/NDF : 6109204.1/43
 All: 5565.856 ± 0.611 χ^2/NDF : 14862822.0/8
 - sign 5318.720 ± 0.840 χ^2/NDF : 8569865.1/43

diff_bpm12X_mean vs Slug



Right In: -12.309 ± 11.090 χ^2/NDF : 16.8/18

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 14.900 ± 10.546 χ^2/NDF : 23.9/20

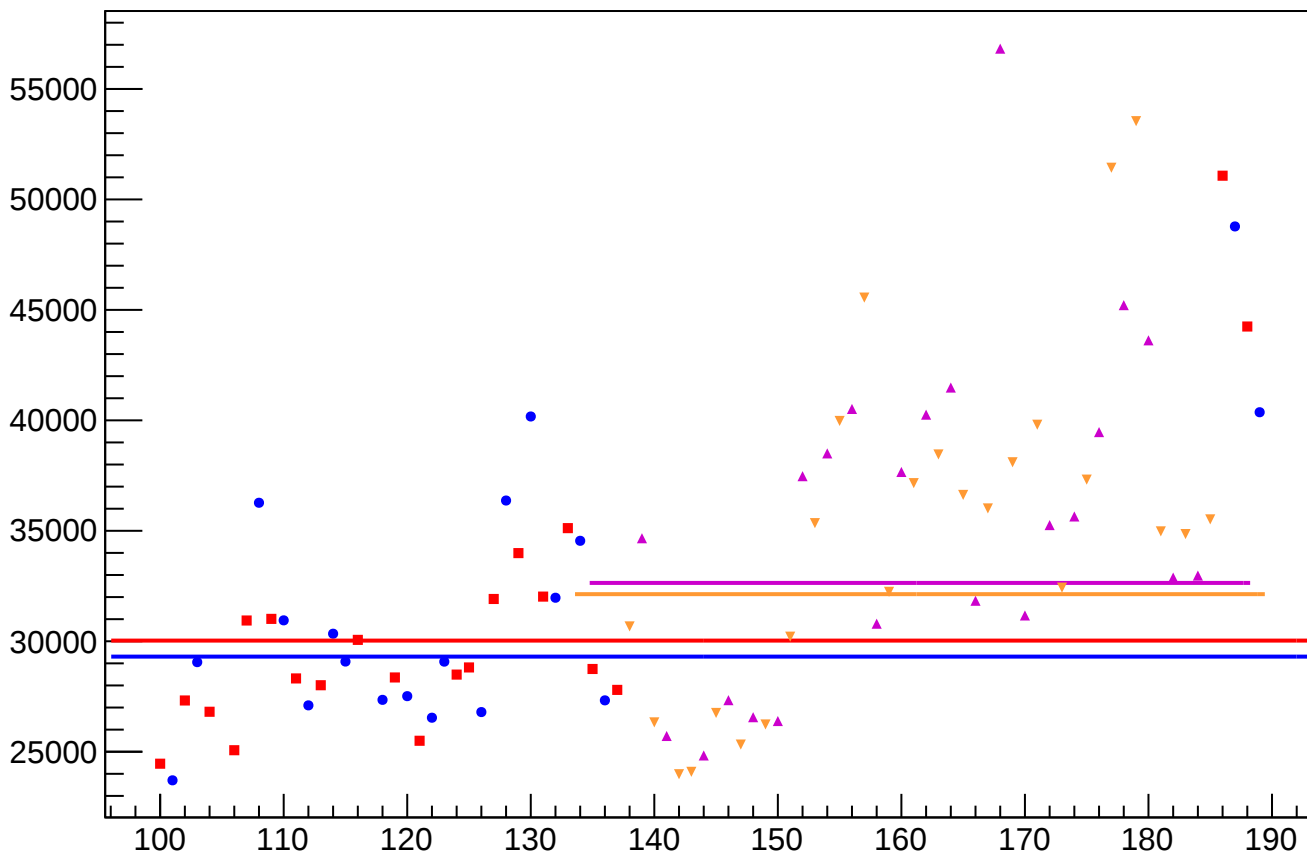
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -3.896 ± 6.316 χ^2/NDF : 48.9/43

All: 0.297 ± 4.484 χ^2/NDF : 88.5/87

- sign 4.561 ± 6.369 χ^2/NDF : 38.7/43

diff_bpm12X_rms vs Slug



Right In: 29305.464 $\pm$ 7.842 χ^2 /NDF: 368966.0/18

Left Out: 32132.314 $\pm$ 5.433 χ^2 /NDF:1540079.4/24

Right Out: 30030.493 $\pm$ 7.457 χ^2 /NDF: 445336.3/20

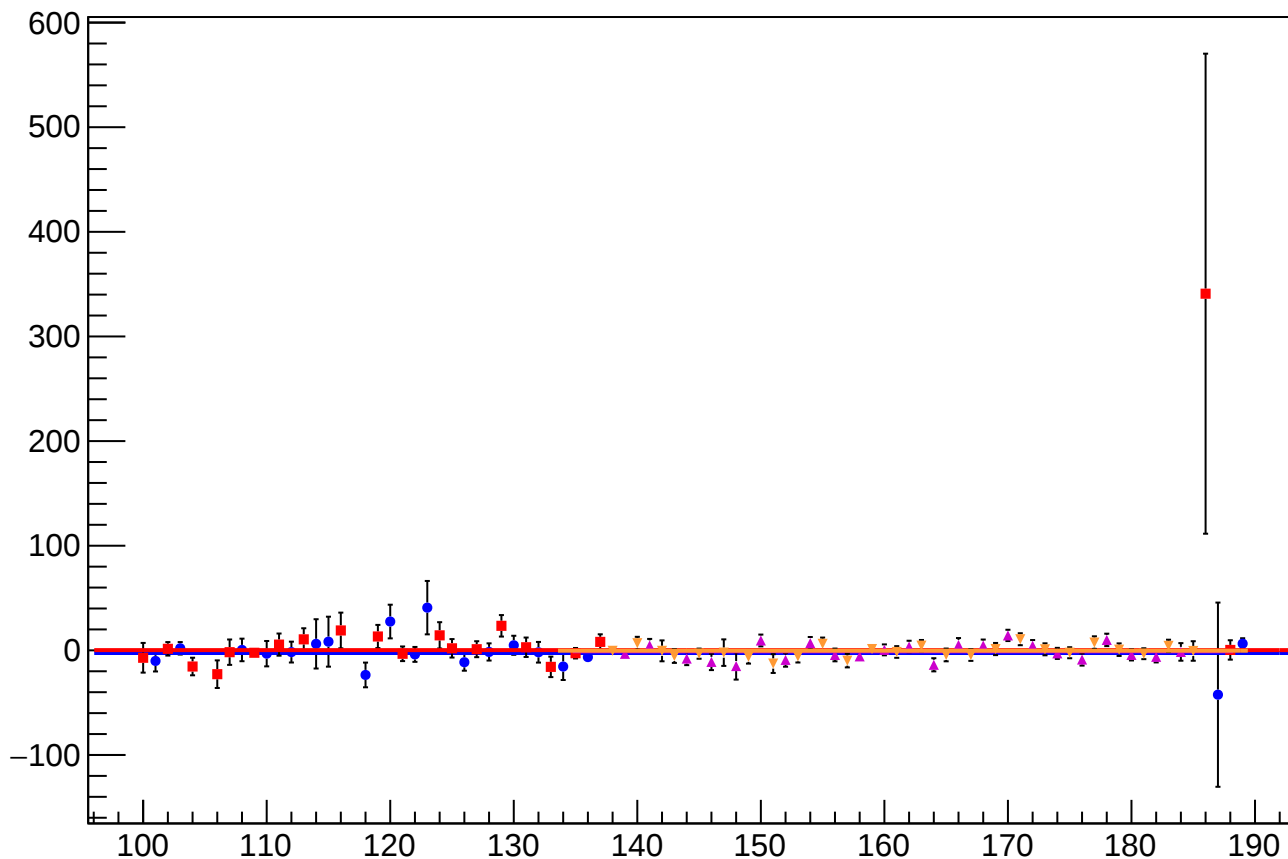
Left In: 32641.162 $\pm$ 5.650 χ^2 /NDF:1402162.4/22

+ sign 31215.525 $\pm$ 4.466 χ^2 /NDF: 1996848.6/43

All: 31450.308 $\pm$ 3.171 χ^2 /NDF: 3927787.2/8

- sign 31689.052 $\pm$ 4.503 χ^2 /NDF: 1925364.1/43

diff_bpm12Y_mean vs Slug



Right In: -2.529 ± 1.876 χ^2/NDF : 18.5/18

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 0.216 ± 1.858 χ^2/NDF : 24.1/20

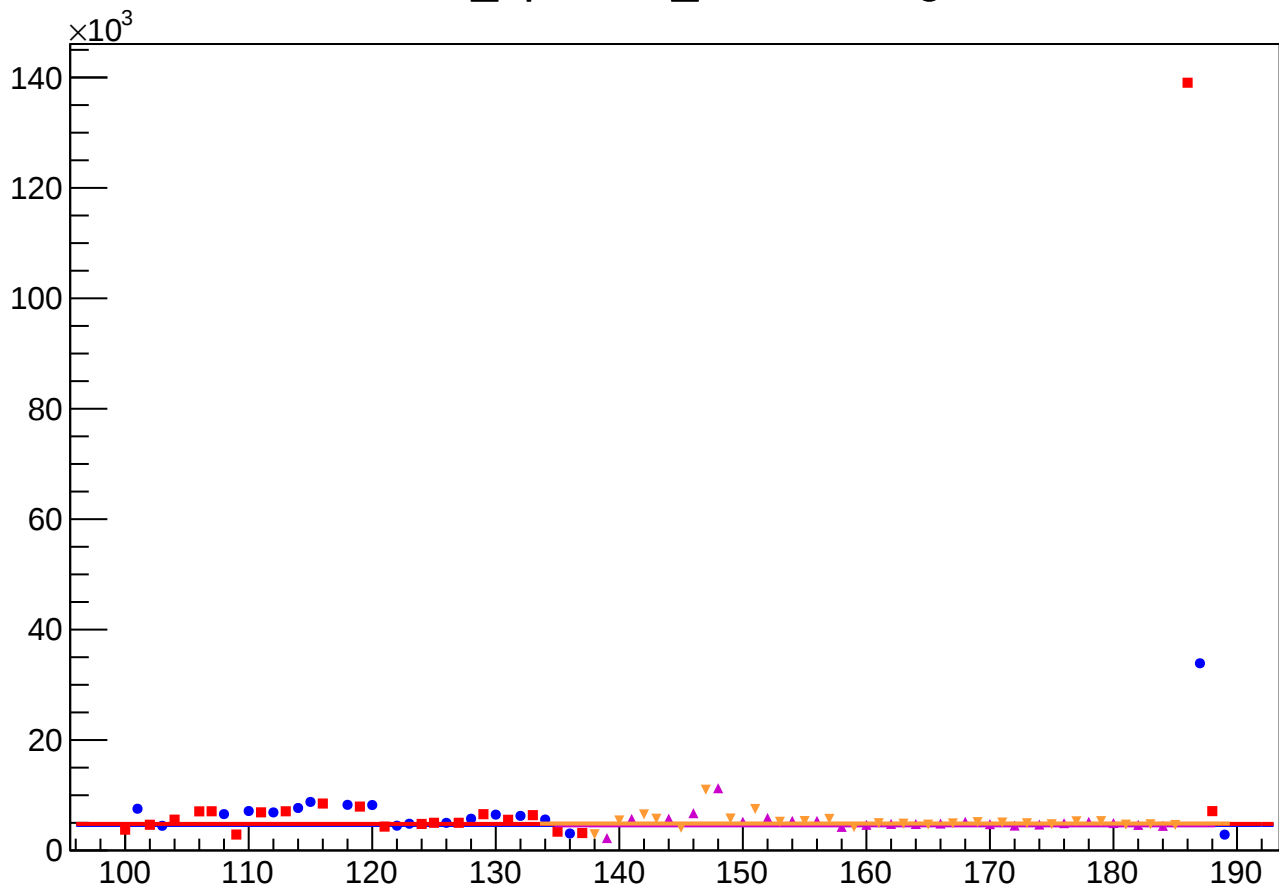
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.934 ± 0.994 χ^2/NDF : 37.2/43

All: -0.763 ± 0.695 χ^2/NDF : 97.8/87

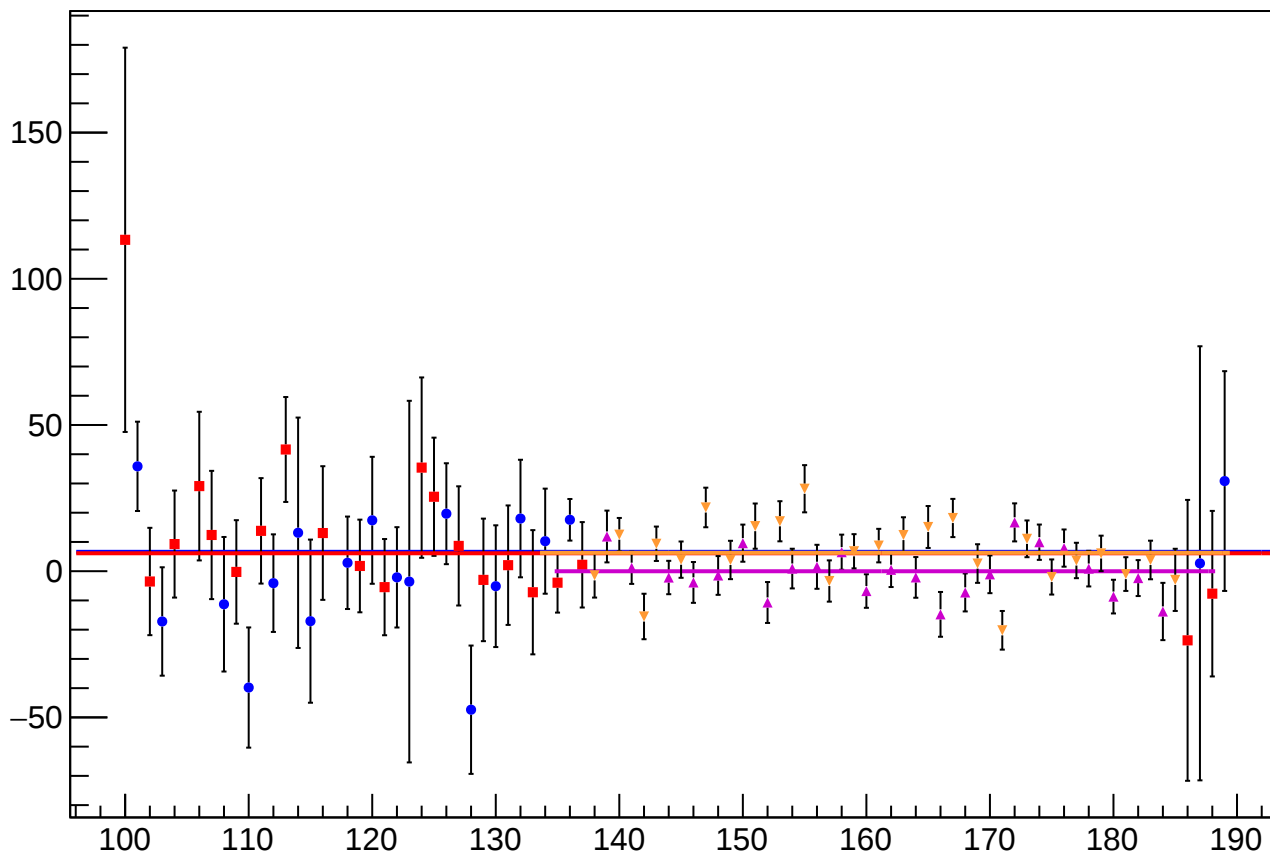
- sign -0.599 ± 0.973 χ^2/NDF : 60.5/43

diff_bpm12Y_rms vs Slug



Right In: 4621.750 ± 1.327 $\chi^2/\text{NDF}: 1886799.6/18$ + sign 4799.319 ± 0.703 $\chi^2/\text{NDF}: 3422850.6/43$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 4706.302 ± 0.492 $\chi^2/\text{NDF}: 8252542.1/87$
 Right Out: 4809.789 ± 1.314 $\chi^2/\text{NDF}: 2131437.2/20$ - sign 4617.128 ± 0.688 $\chi^2/\text{NDF}: 4795374.4/43$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 6.623 ± 4.058 χ^2/NDF : 22.9/18

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 6.128 ± 4.170 χ^2/NDF : 12.9/20

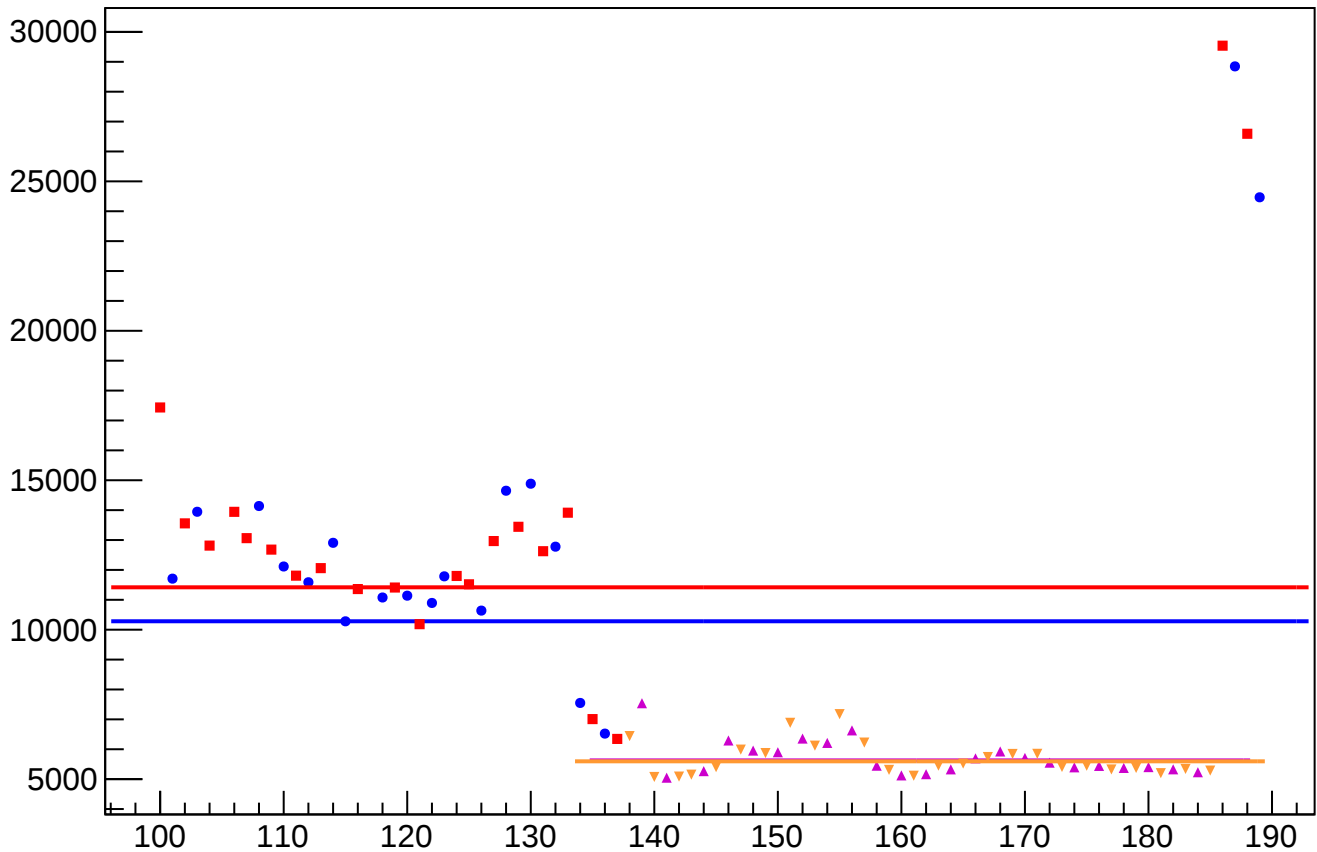
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.327 ± 1.247 χ^2/NDF : 79.4/43

All: 3.537 ± 0.896 χ^2/NDF : 134.5/87

- sign 0.565 ± 1.287 χ^2/NDF : 44.8/43

diff_bpm16X_rms vs Slug



Right In: 10281.939+/-2.870 χ^2/NDF : 1423700.5/18

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 11417.938+/-2.949 χ^2/NDF : 1649239.1/20

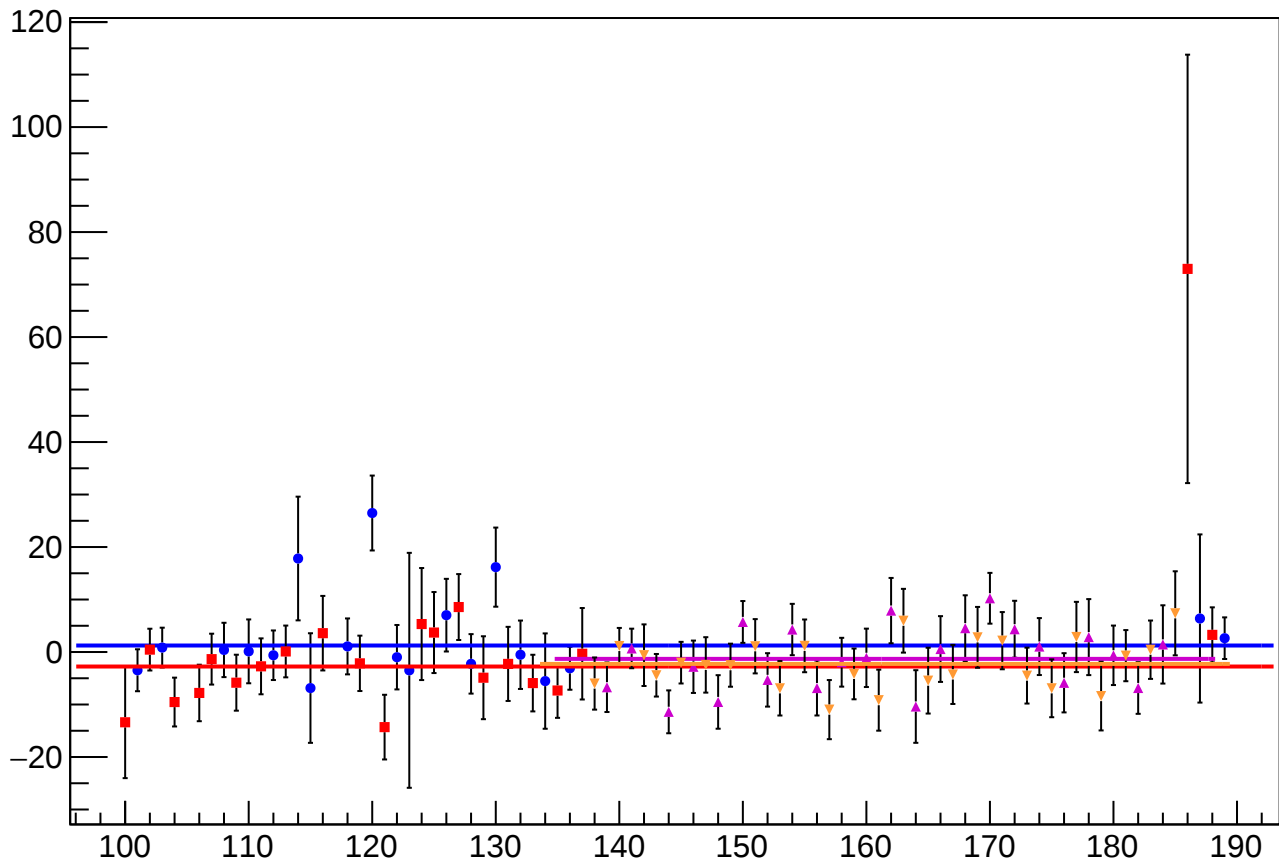
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6038.607+/-0.882 χ^2/NDF : 4121957.3/43

All: 6106.526+/-0.633 χ^2/NDF : 9552113.5/87

- sign 6178.896+/-0.910 χ^2/NDF : 5417897.8/43

diff_bpm16Y_mean vs Slug



Right In: 1.239 ± 1.320 χ^2/NDF : 23.9/18

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -2.763 ± 1.294 χ^2/NDF : 20.3/20

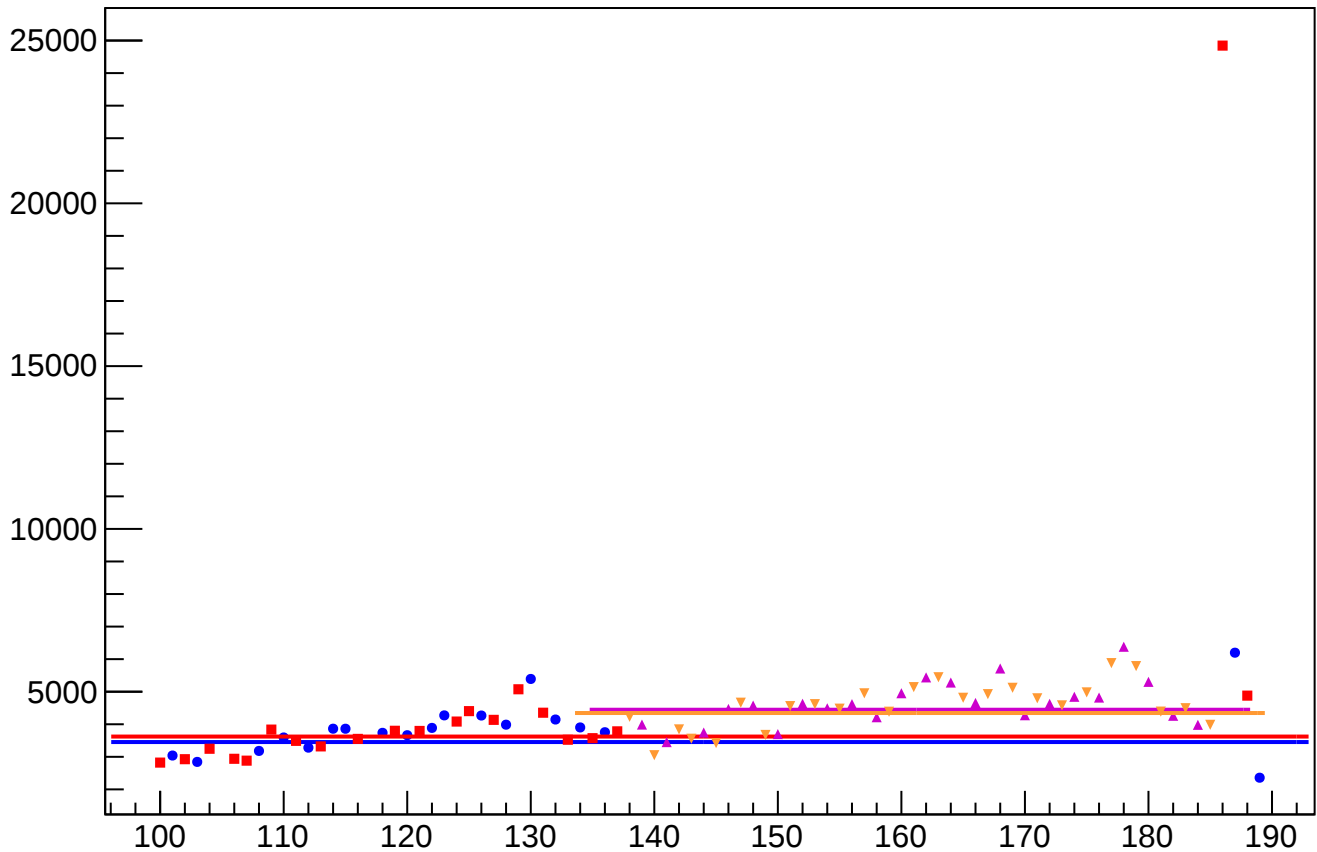
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -0.942 ± 0.812 χ^2/NDF : 43.6/43

All: -1.412 ± 0.580 χ^2/NDF : 96.2/87

- sign -1.902 ± 0.828 χ^2/NDF : 51.9/43

diff_bpm16Y_rms vs Slug



Right In: 3453.692 ± 0.933 $\chi^2/\text{NDF}: 535422.3/18$

Left Out: 4345.381 ± 0.728 $\chi^2/\text{NDF}: 1000636.1/24$

Right Out: 3622.435 ± 0.915 $\chi^2/\text{NDF}: 964193.5/20$

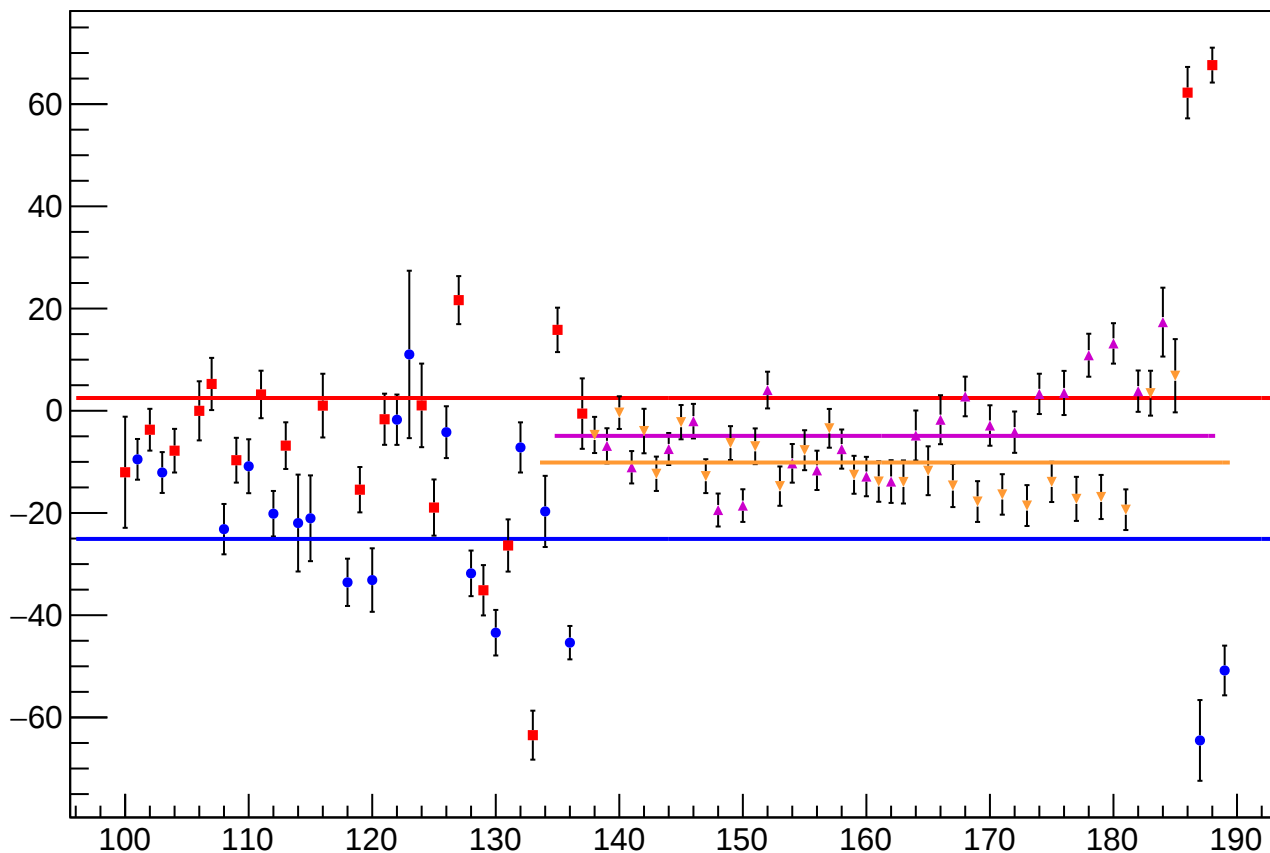
Left In: 4446.181 ± 0.762 $\chi^2/\text{NDF}: 702797.6/22$

+ sign 4008.167 ± 0.574 $\chi^2/\text{NDF}: 2103536.8/43$

All: 4057.592 ± 0.410 $\chi^2/\text{NDF}: 4264538.4/87$

- sign 4108.983 ± 0.585 $\chi^2/\text{NDF}: 2145878.4/43$

diff_bpm0l01X_mean vs Slug



Right In: -25.075 ± 1.155 χ^2/NDF : 208.8/18

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 2.498 ± 1.072 χ^2/NDF : 865.7/20

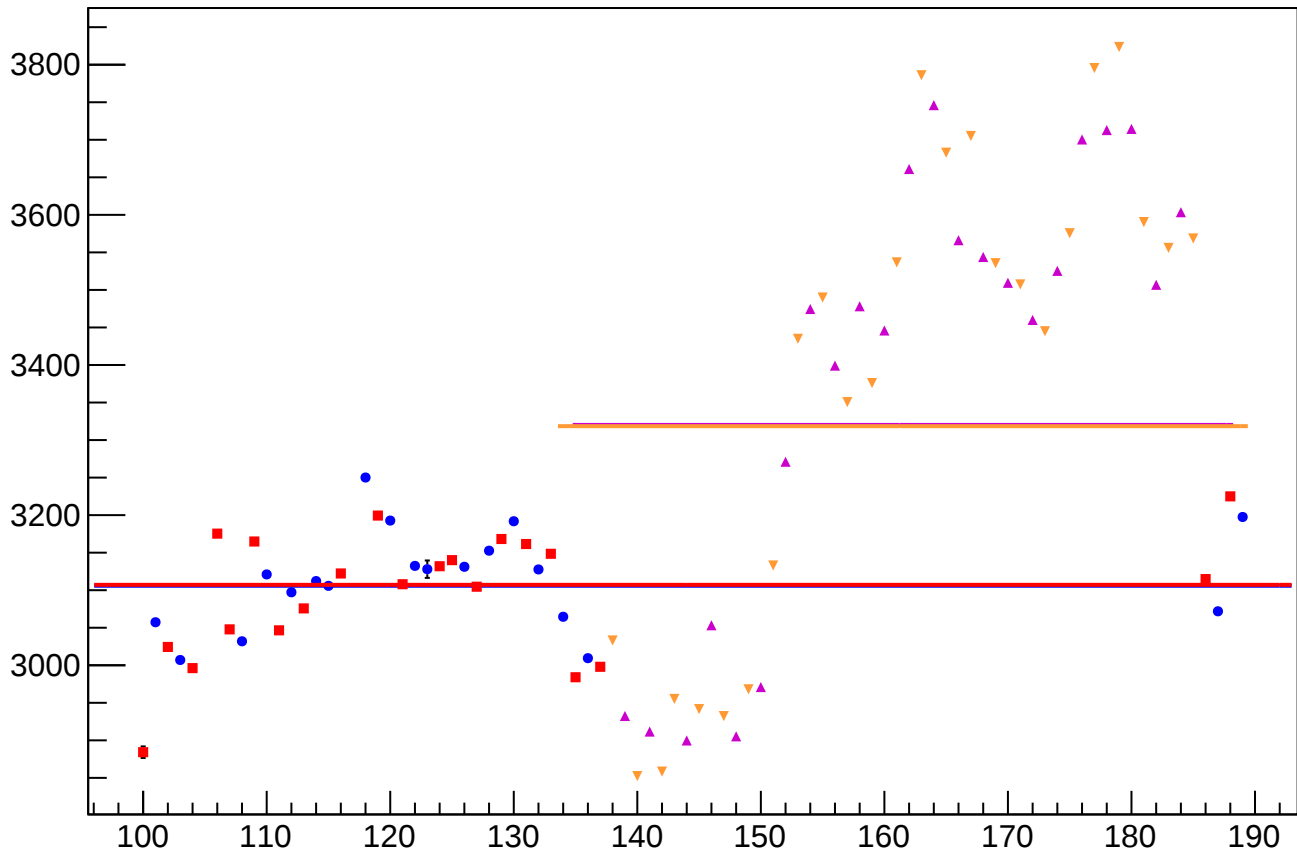
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -14.770 ± 0.644 χ^2/NDF : 392.2/43

All: -8.482 ± 0.454 χ^2/NDF : 1606.2/87

- sign -2.274 ± 0.640 χ^2/NDF : 1024.4/43

diff_bpm0l01X_rms vs Slug



Right In: 3105.963 $\pm$ 0.817 χ^2 /NDF: 8003.5/18

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3107.141 $\pm$ 0.758 χ^2 /NDF: 10484.9/20

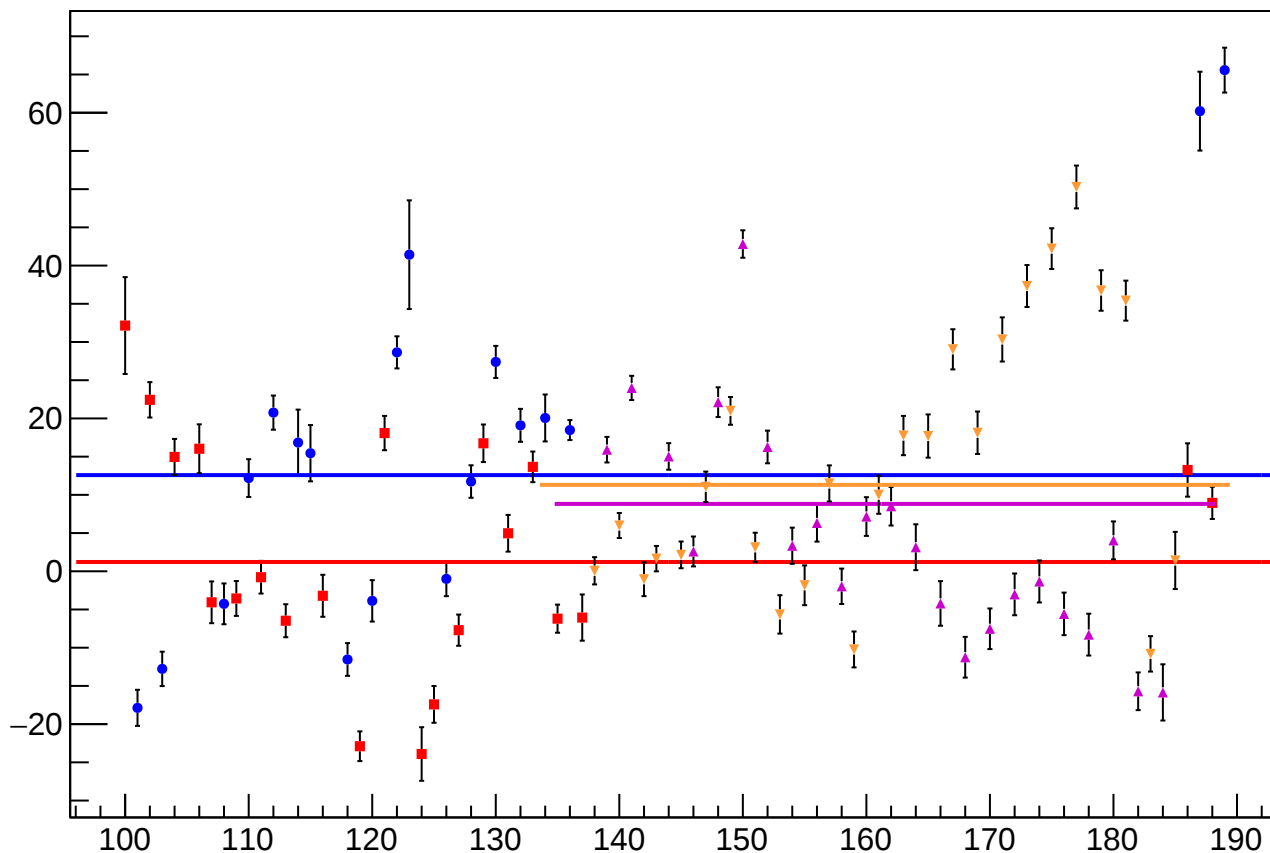
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3252.460 $\pm$ 0.455 χ^2 /NDF: 392385.5/43

All: 3248.372 $\pm$ 0.321 χ^2 /NDF: 741514.7/87

- sign 3244.335 $\pm$ 0.452 χ^2 /NDF: 348968.9/43

diff_bpm0l01Y_mean vs Slug



Right In: 12.583+/-0.549 χ^2/NDF : 1118.9/18

Left Out: 11.305+/-0.454 χ^2/NDF : 1144.3/24

Right Out: 1.216+/-0.524 χ^2/NDF : 656.6/20

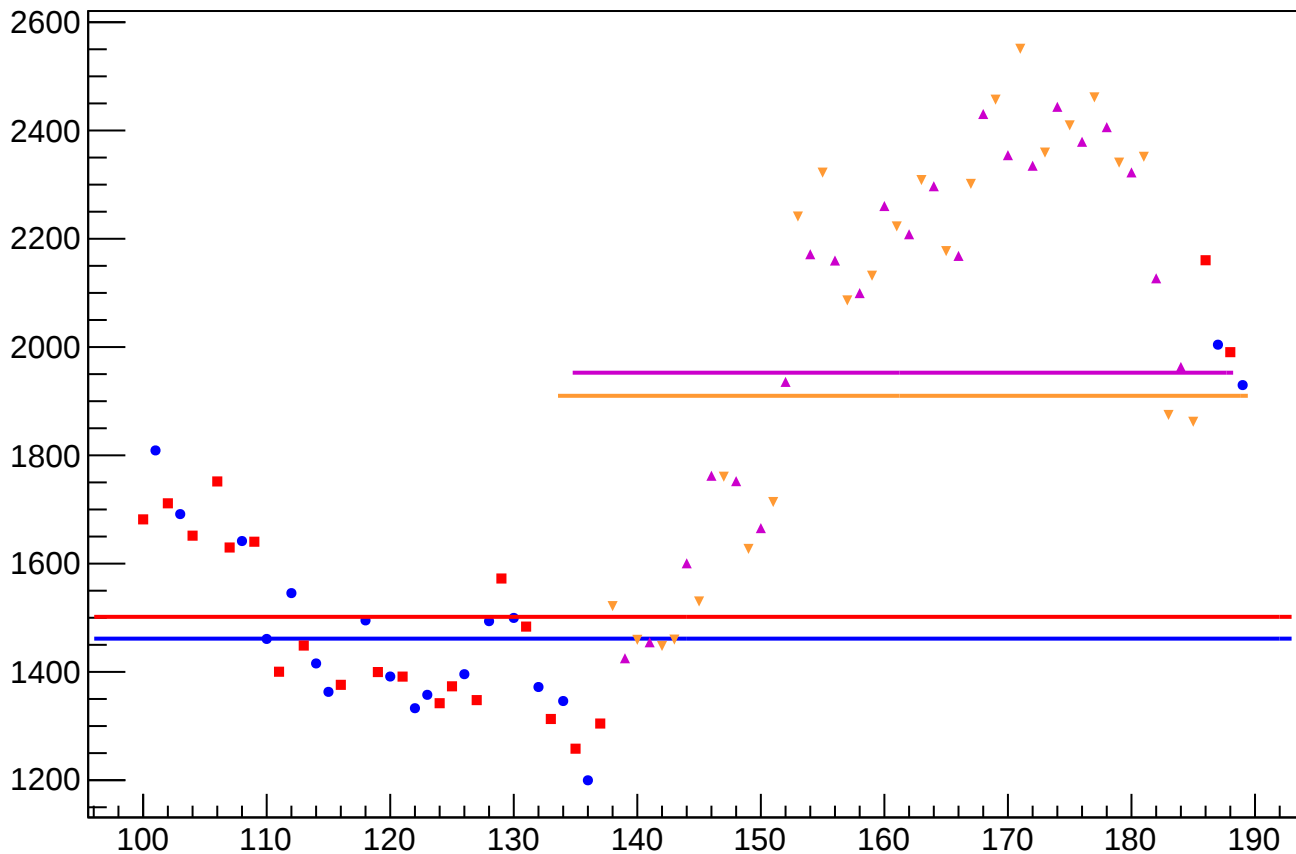
Left In: 8.815+/-0.475 χ^2/NDF : 942.2/22

+ sign 11.823+/-0.350 χ^2/NDF : 2266.4/43

All: 8.626+/-0.248 χ^2/NDF : 4148.5/87

- sign 5.387+/-0.352 χ^2/NDF : 1714.0/43

diff_bpm0l01Y_rms vs Slug



Right In: 1461.448 $\pm$ 0.389 χ^2 /NDF: 249731.6/18

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1501.702 $\pm$ 0.371 χ^2 /NDF: 333332.2/20

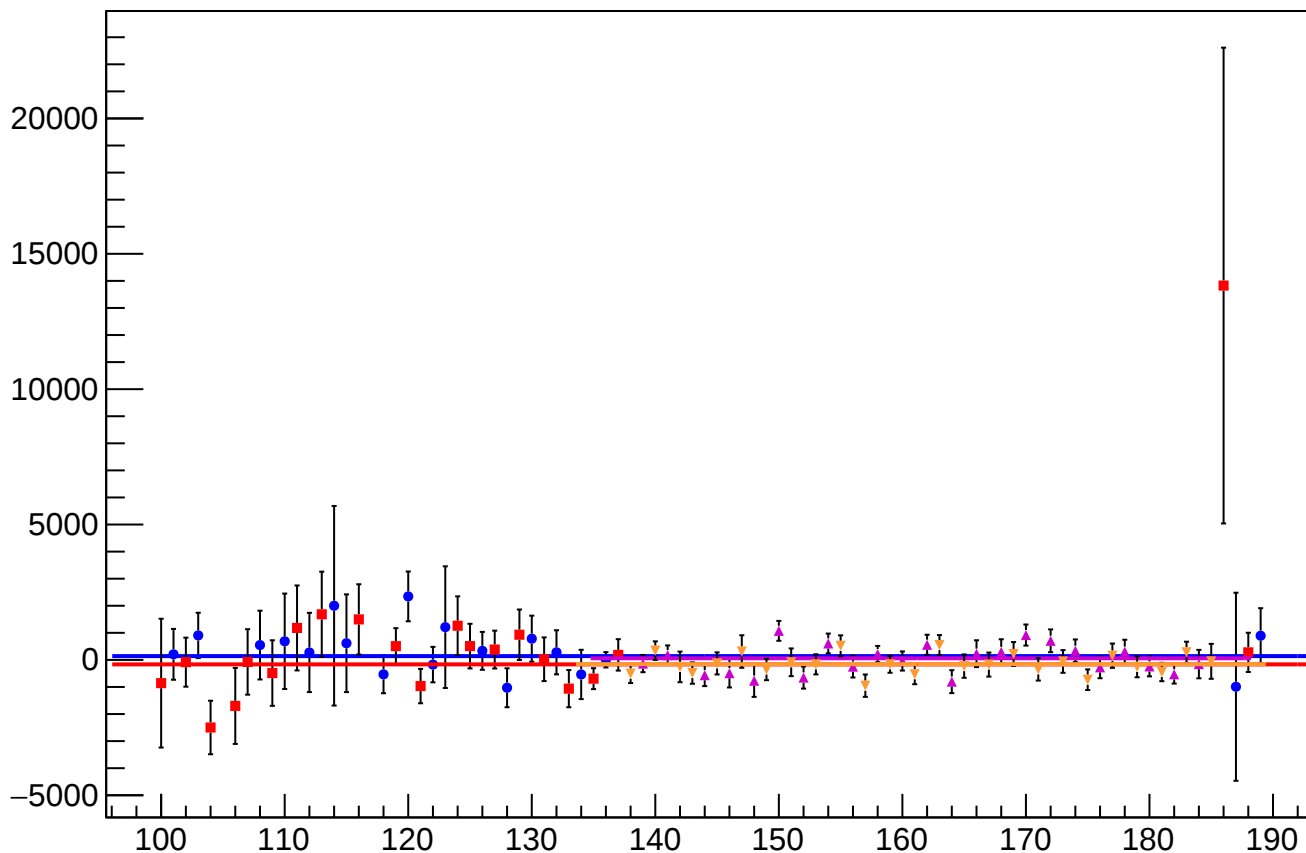
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1728.067 $\pm$ 0.247 χ^2 /NDF: 2441350.6/43

All: 1738.561 $\pm$ 0.176 χ^2 /NDF: 4655594.2/87

- sign 1749.192 $\pm$ 0.249 χ^2 /NDF: 2210622.3/43

asym_sam1_mean vs Slug



Right In: 140.046 ± 177.587 χ^2/NDF : 13.3/18

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -165.551 ± 179.015 χ^2/NDF : 24.6/20

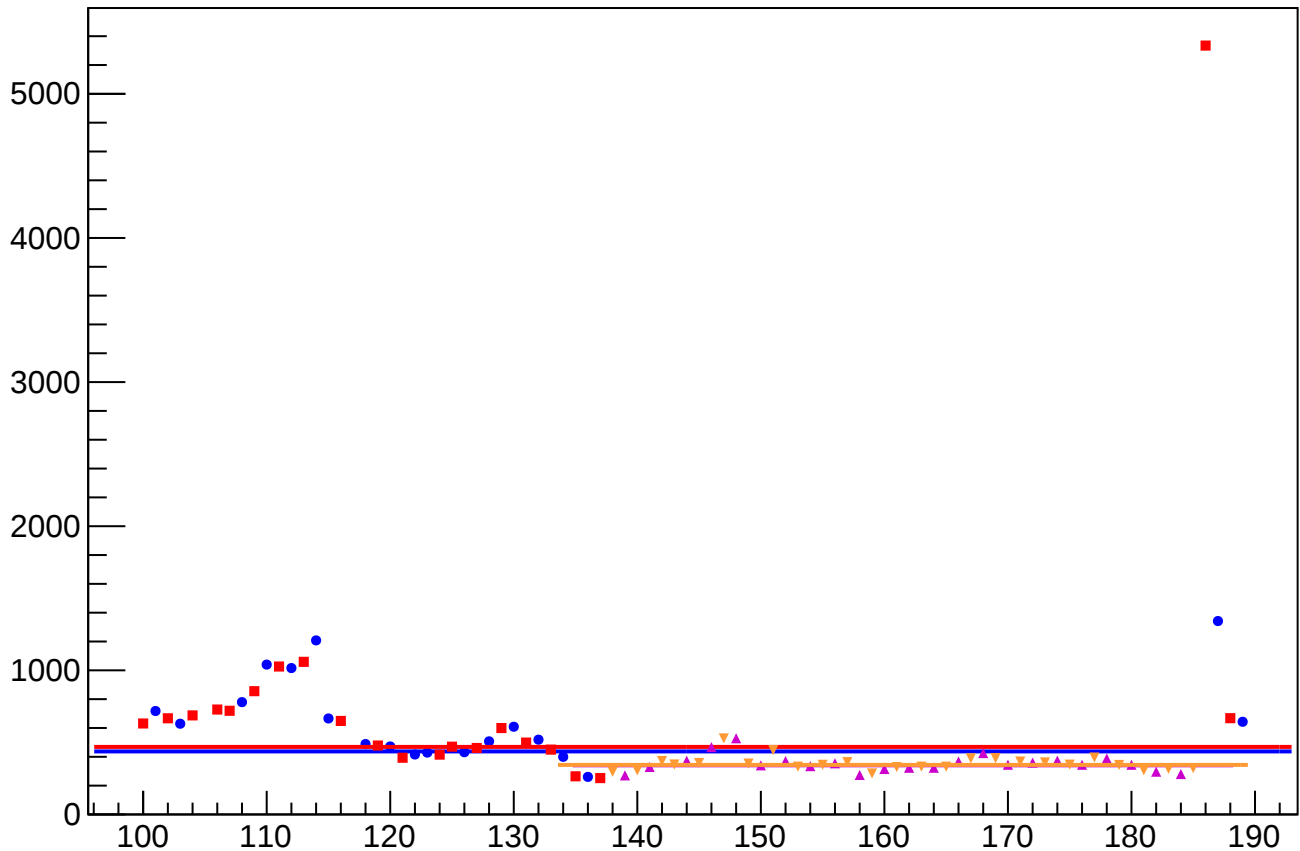
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -106.259 ± 73.542 χ^2/NDF : 37.6/43

All: -44.584 ± 52.506 χ^2/NDF : 103.5/87

- sign 19.542 ± 74.989 χ^2/NDF : 64.4/43

asym_sam1_rms vs Slug



Right In: 437.357 $\pm$ 0.126 χ^2 /NDF: 2229343.0/18

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 468.705 $\pm$ 0.127 χ^2 /NDF: 2810581.1/20

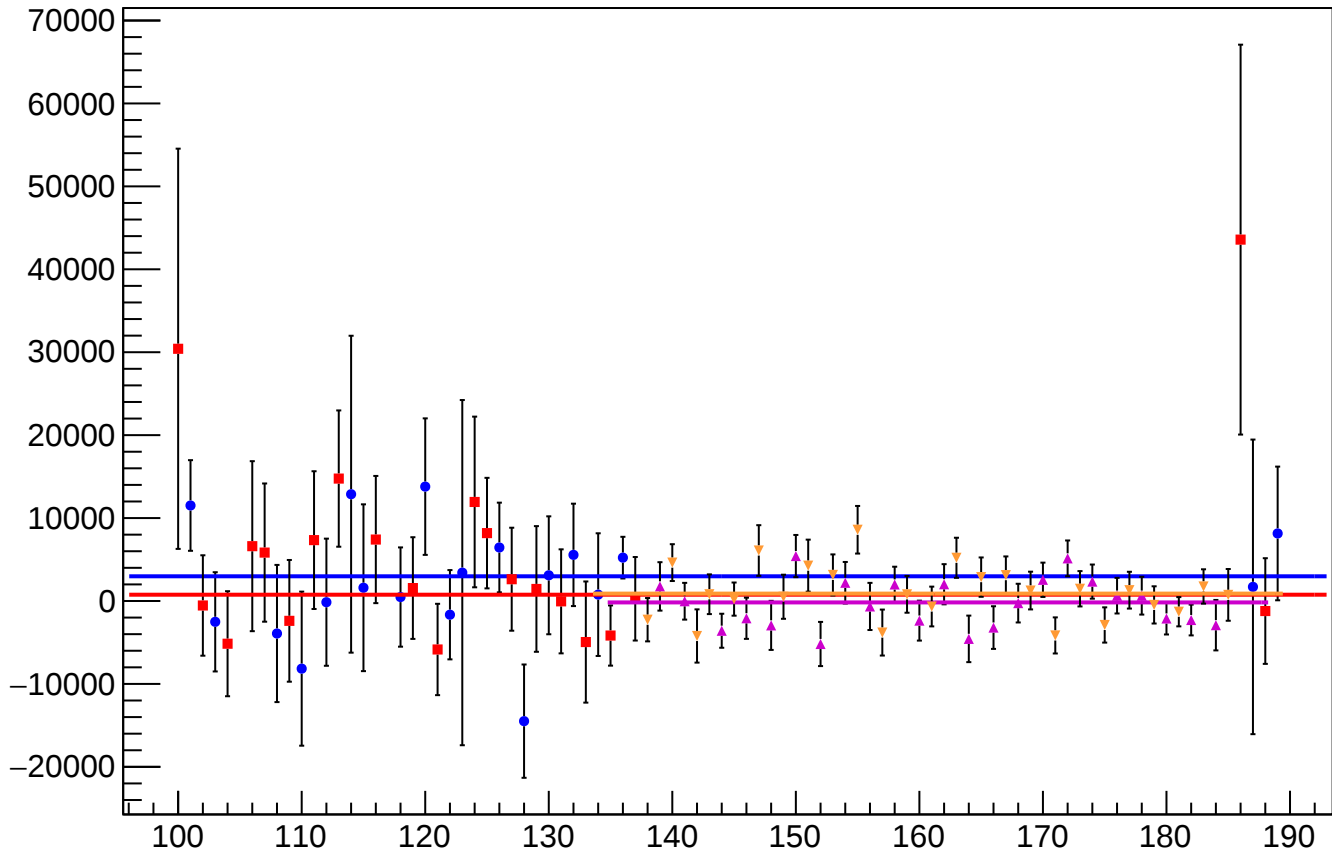
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 359.850 $\pm$ 0.052 χ^2 /NDF: 3228599.5/43

All: 361.545 $\pm$ 0.037 χ^2 /NDF: 7606855.8/87

- sign 363.307 $\pm$ 0.053 χ^2 /NDF: 4376089.5/43

asym_sam2_mean vs Slug



Right In: 2978.503 $\pm$ 1423.256 χ^2 /NDF: 16.9/18

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF: 38.0/24

Right Out: 758.038 $\pm$ 1468.835 χ^2 /NDF: 17.5/20

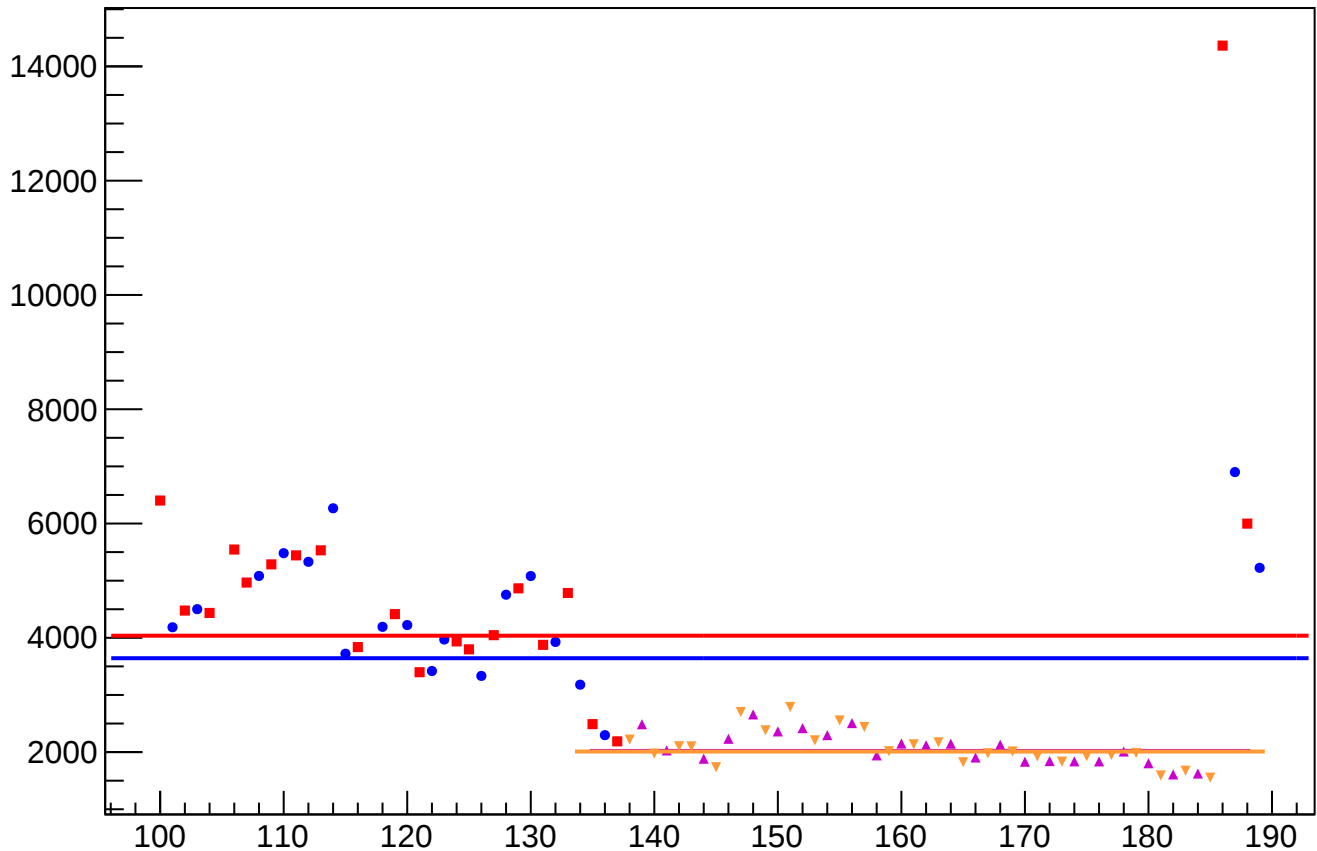
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF: 33.2/22

+ sign 1098.290 $\pm$ 449.085 χ^2 /NDF: 56.8/43

All: 527.390 $\pm$ 322.415 χ^2 /NDF: 111.2/87

- sign -79.876 $\pm$ 463.167 χ^2 /NDF: 51.0/43

asym_sam2_rms vs Slug



Right In: 3643.152+/-1.006 χ^2/NDF : 1237215.6/18

Left Out: 2009.631+/-0.335 χ^2/NDF : 709977.6/24

Right Out: 4037.043+/-1.039 χ^2/NDF : 1580510.1/20

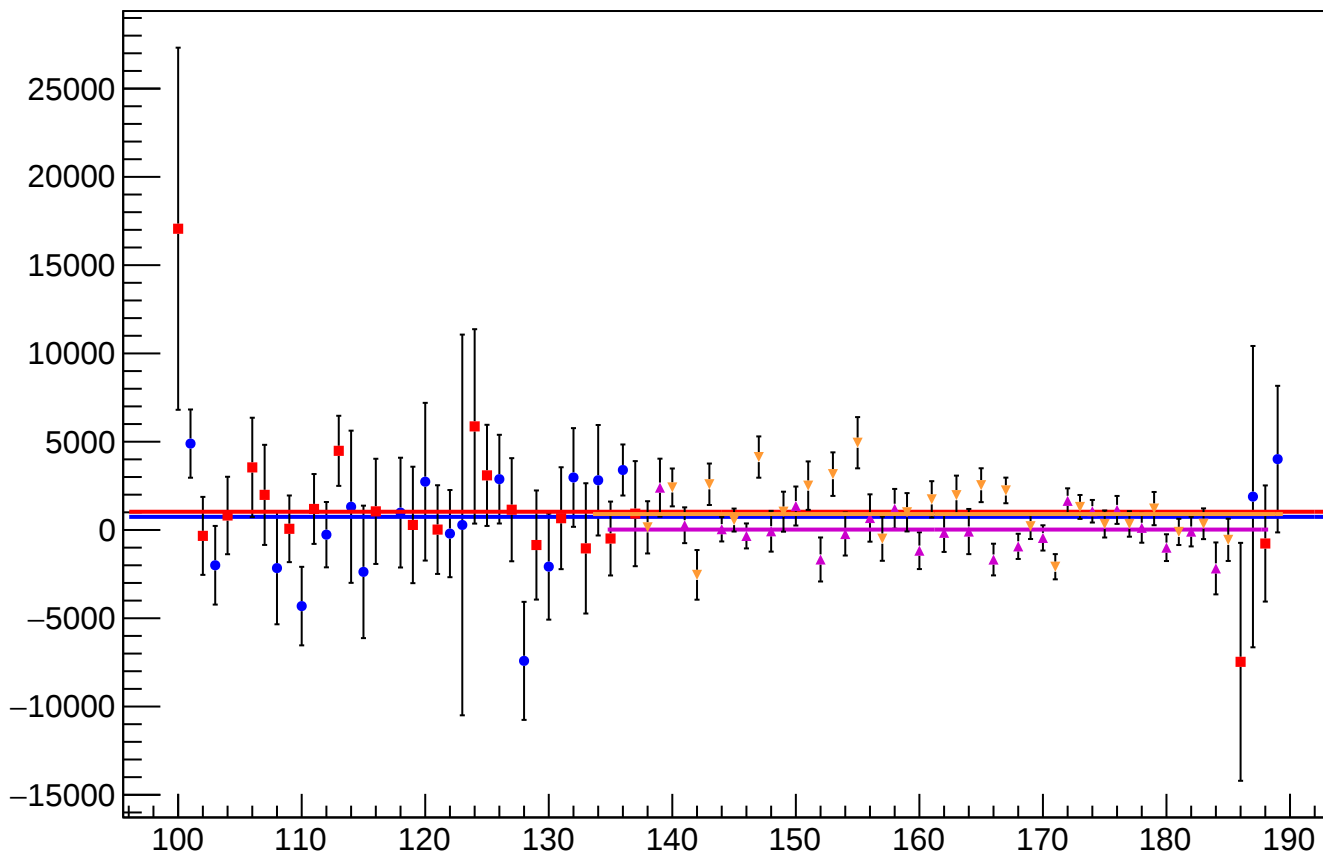
Left In: 2020.365+/-0.345 χ^2/NDF : 573483.0/22

+ sign 2172.267+/-0.318 χ^2/NDF : 4319480.0/43

All: 2195.828+/-0.228 χ^2/NDF : 9880090.5/87

- sign 2220.889+/-0.328 χ^2/NDF : 5549250.1/43

asym_sam3_mean vs Slug



Right In: 743.064 $\pm$ 614.033 χ^2 /NDF: 26.1/18

Left Out: 902.091 $\pm$ 185.850 χ^2 /NDF: 63.5/24

Right Out: 1033.247 $\pm$ 592.102 χ^2 /NDF: 11.7/20

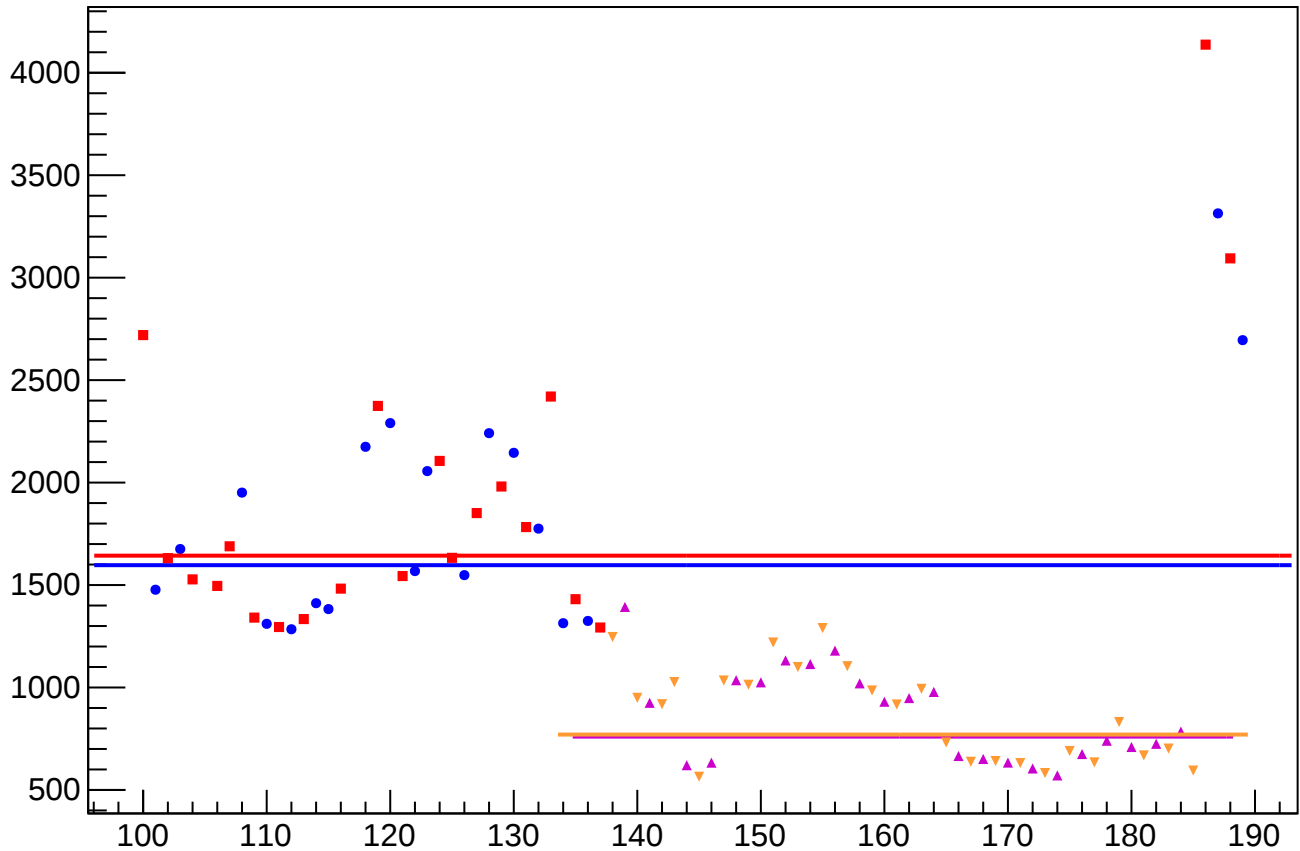
Left In: 23.529 $\pm$ 188.137 χ^2 /NDF: 28.2/22

+ sign 888.746 $\pm$ 177.881 χ^2 /NDF: 89.7/43

All: 505.511 $\pm$ 126.281 χ^2 /NDF: 141.6/87

- sign 116.123 $\pm$ 179.303 χ^2 /NDF: 42.5/43

asym_sam3_rms vs Slug



Right In: 1596.929 $\pm$ 0.434 χ^2 /NDF: 714474.6/18

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 1643.395 $\pm$ 0.419 χ^2 /NDF: 1155537.2/20

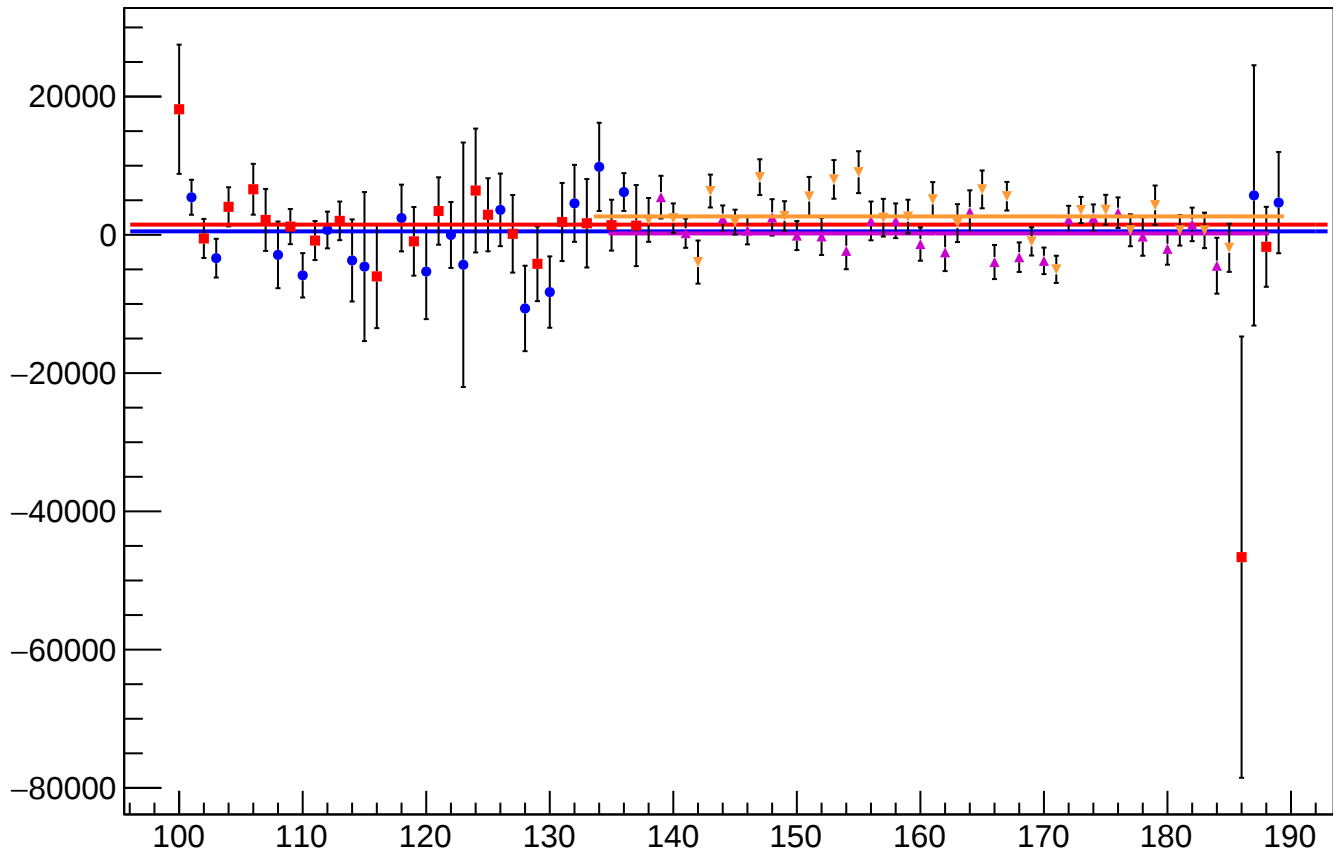
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 839.691 $\pm$ 0.126 χ^2 /NDF: 6322447.4/43

All: 840.503 $\pm$ 0.089 χ^2 /NDF: 13505265.3/87

- sign 841.329 $\pm$ 0.127 χ^2 /NDF: 7182733.7/43

asym_sam4_mean vs Slug



Right In: 502.879 ± 987.548 χ^2/NDF : 25.7/18

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 1478.351 ± 913.767 χ^2/NDF : 12.7/20

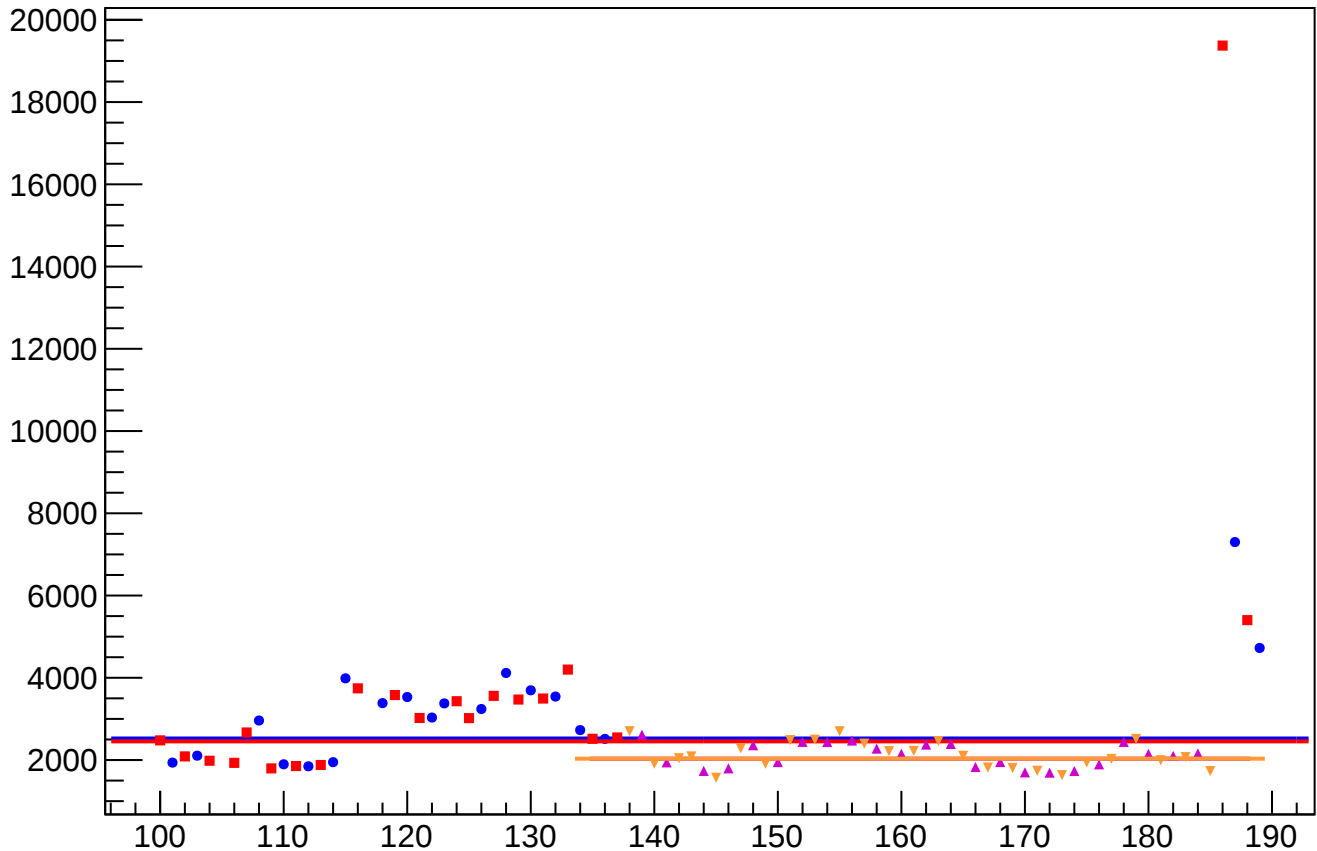
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2252.610 ± 431.542 χ^2/NDF : 78.8/43

All: 1373.248 ± 305.749 χ^2/NDF : 127.2/87

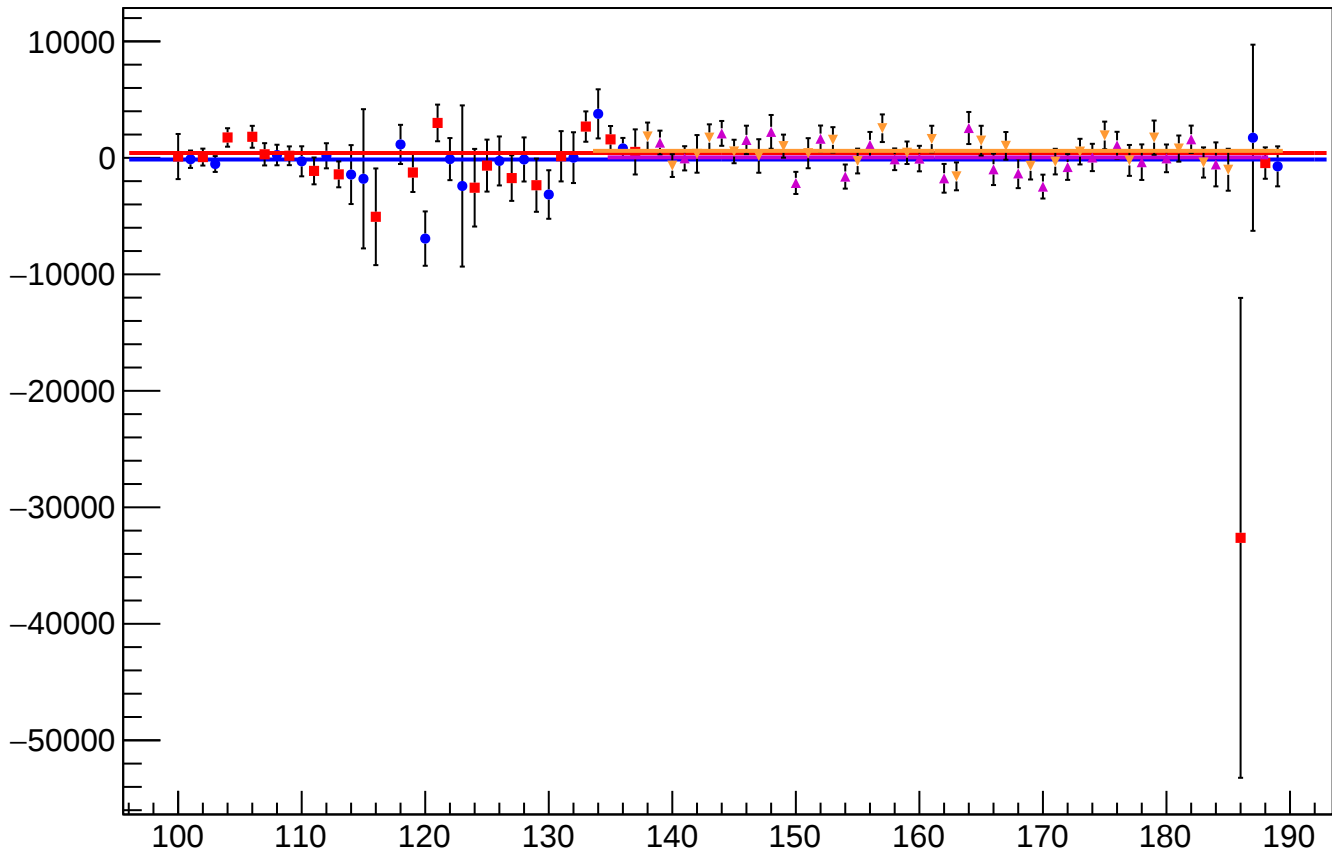
- sign 486.896 ± 433.253 χ^2/NDF : 40.0/43

asym_sam4_rms vs Slug



Right In: 2523.531+/-0.698 χ^2/NDF : 1215492.1/18 + sign 2126.941+/-0.305 χ^2/NDF : 2438232.1/43
 Left Out: 2033.337+/-0.339 χ^2/NDF : 824062.2/24 All: 2127.114+/-0.216 χ^2/NDF : 5546758.8/87
 Right Out: 2453.609+/-0.646 χ^2/NDF : 2126730.1/20 - sign 2127.289+/-0.306 χ^2/NDF : 3108526.1/43
 Left In: 2032.655+/-0.348 χ^2/NDF : 652763.7/22

asym_sam5_mean vs Slug



Right In: -141.065 ± 308.398 χ^2/NDF : 17.0/18

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 416.870 ± 277.066 χ^2/NDF : 26.1/20

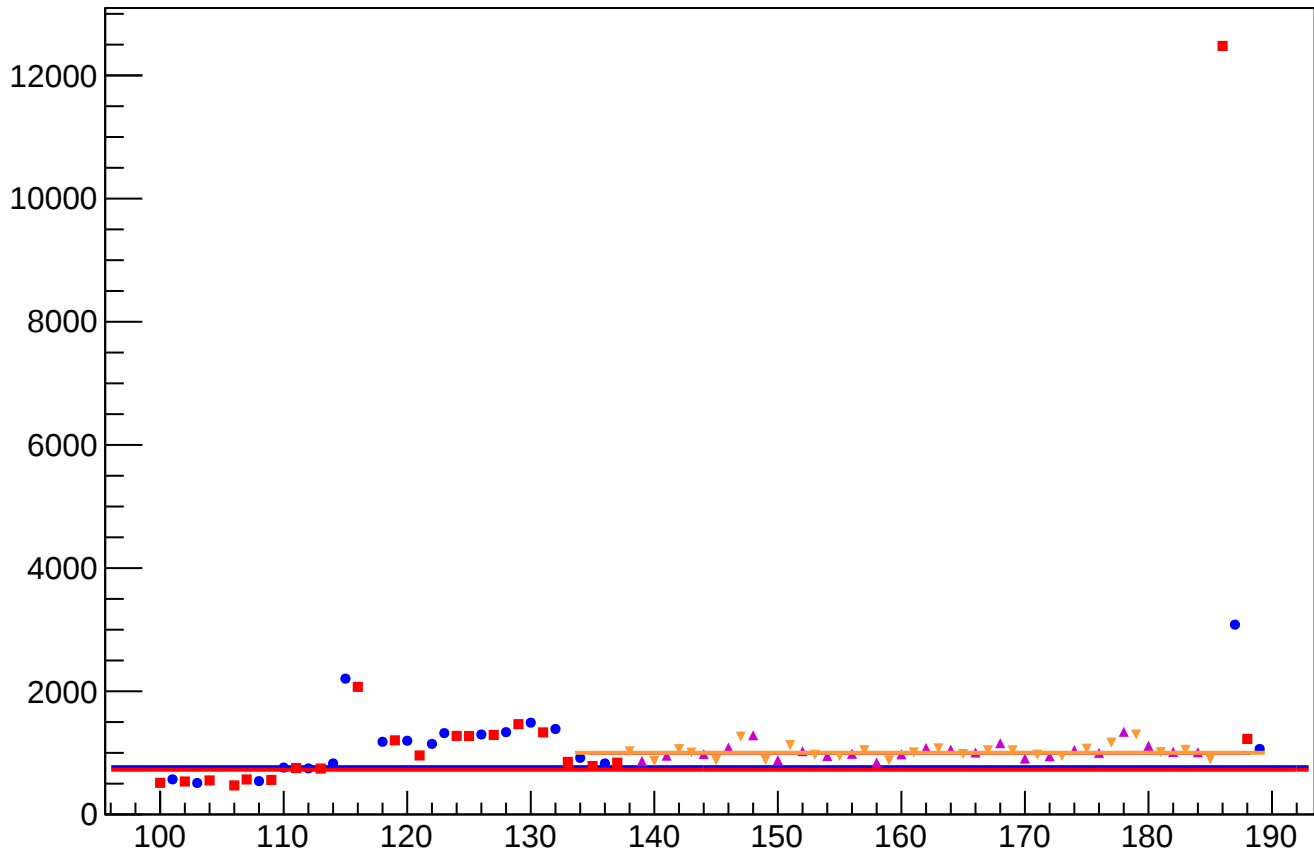
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 327.821 ± 186.901 χ^2/NDF : 39.1/43

All: 263.702 ± 130.301 χ^2/NDF : 102.9/87

- sign 203.066 ± 181.753 χ^2/NDF : 63.5/43

asym_sam5_rms vs Slug



Right In: 767.661+/-0.218 χ^2/NDF : 1919979.6/18

Left Out: 1001.472+/-0.166 χ^2/NDF : 370299.3/24

Right Out: 726.330+/-0.196 χ^2/NDF : 2629492.4/20

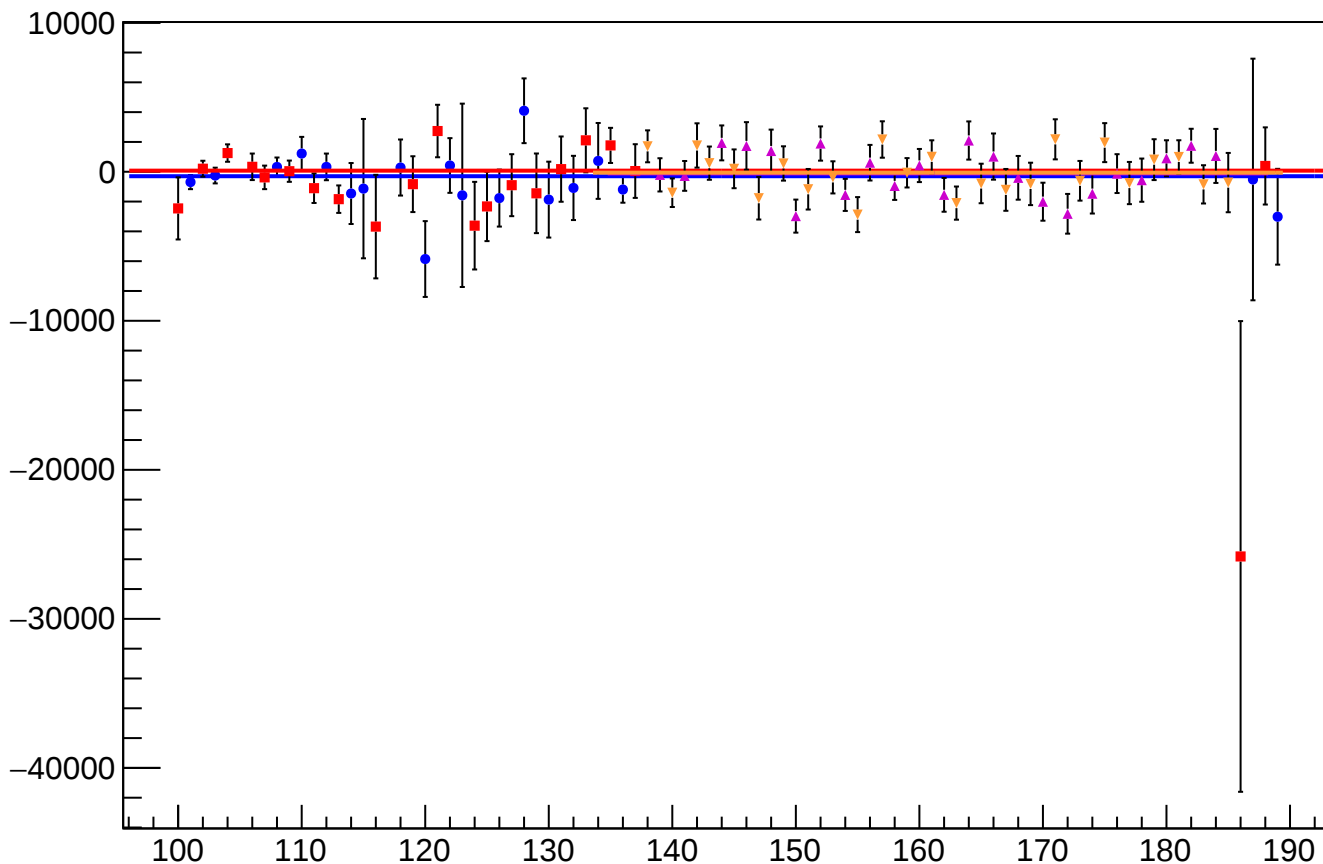
Left In: 998.050+/-0.170 χ^2/NDF : 404656.2/22

+ sign 915.596+/-0.132 χ^2/NDF : 3017632.4/43

All: 897.878+/-0.092 χ^2/NDF : 7182554.9/87

- sign 881.122+/-0.129 χ^2/NDF : 4129949.3/43

asym_sam6_mean vs Slug



Right In: -299.920 ± 249.805 χ^2/NDF : 16.5/18

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: 74.151 ± 245.075 χ^2/NDF : 24.3/20

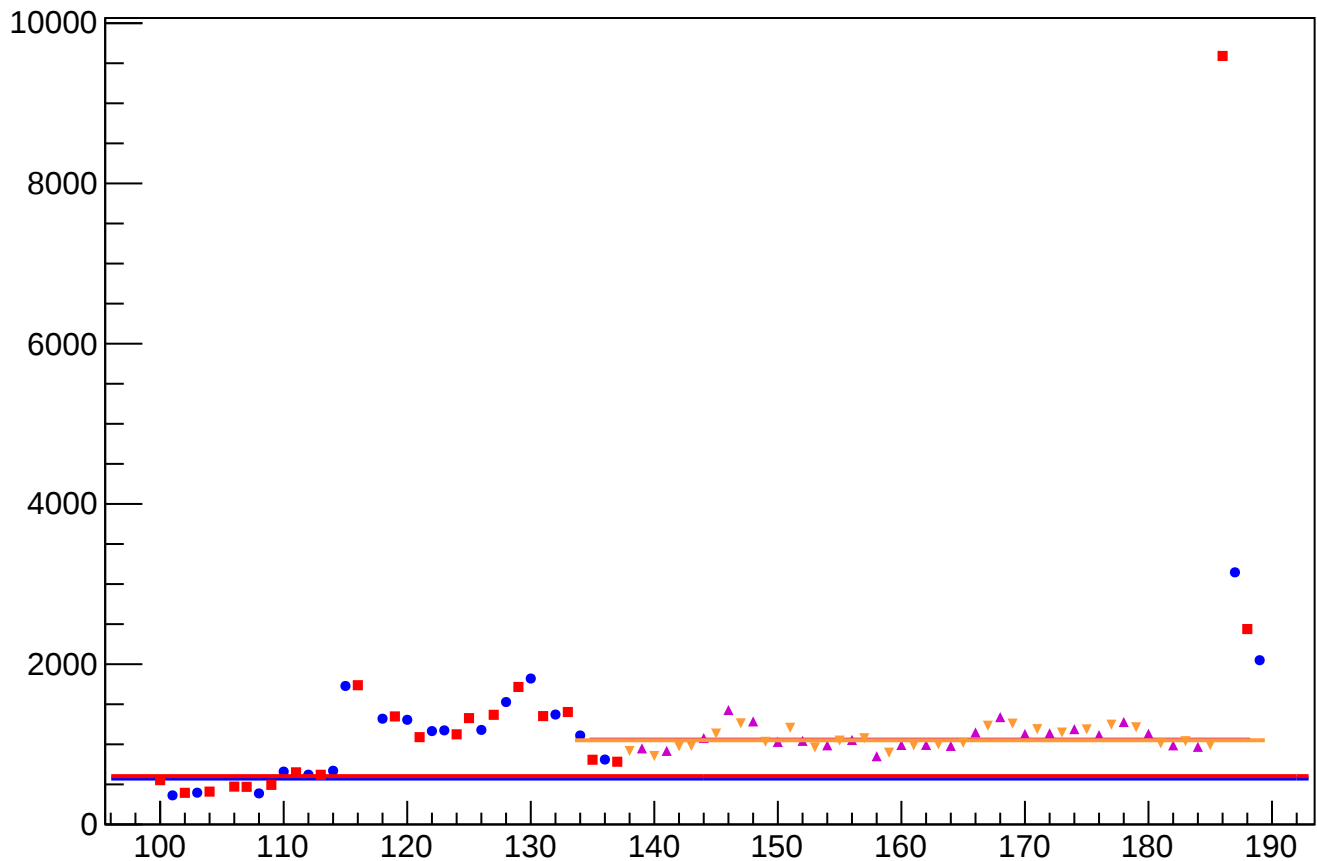
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -178.276 ± 175.460 χ^2/NDF : 48.0/43

All: -97.411 ± 124.552 χ^2/NDF : 107.8/87

- sign -15.273 ± 176.835 χ^2/NDF : 59.4/43

asym_sam6_rms vs Slug



Right In: 572.766+/-0.177 χ^2/NDF : 3839440.3/18

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 603.131+/-0.173 χ^2/NDF : 4478473.0/20

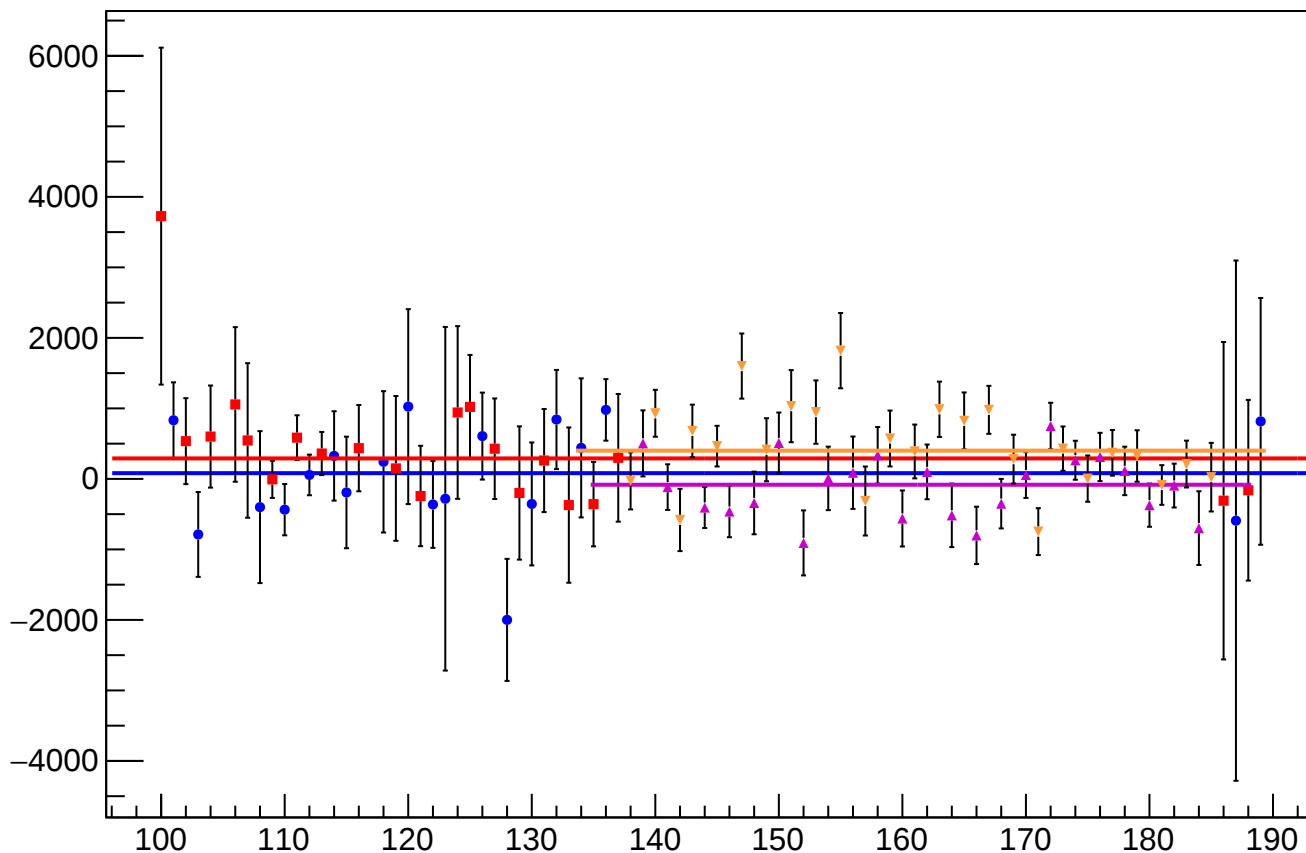
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 814.887+/-0.124 χ^2/NDF : 8030933.6/43

All: 818.031+/-0.088 χ^2/NDF : 16343365.5/87

- sign 821.224+/-0.125 χ^2/NDF : 8311137.8/43

asym_sam7_mean vs Slug



Right In: 81.325 ± 142.685 χ^2/NDF : 20.1/18

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 290.577 ± 128.941 χ^2/NDF : 9.1/20

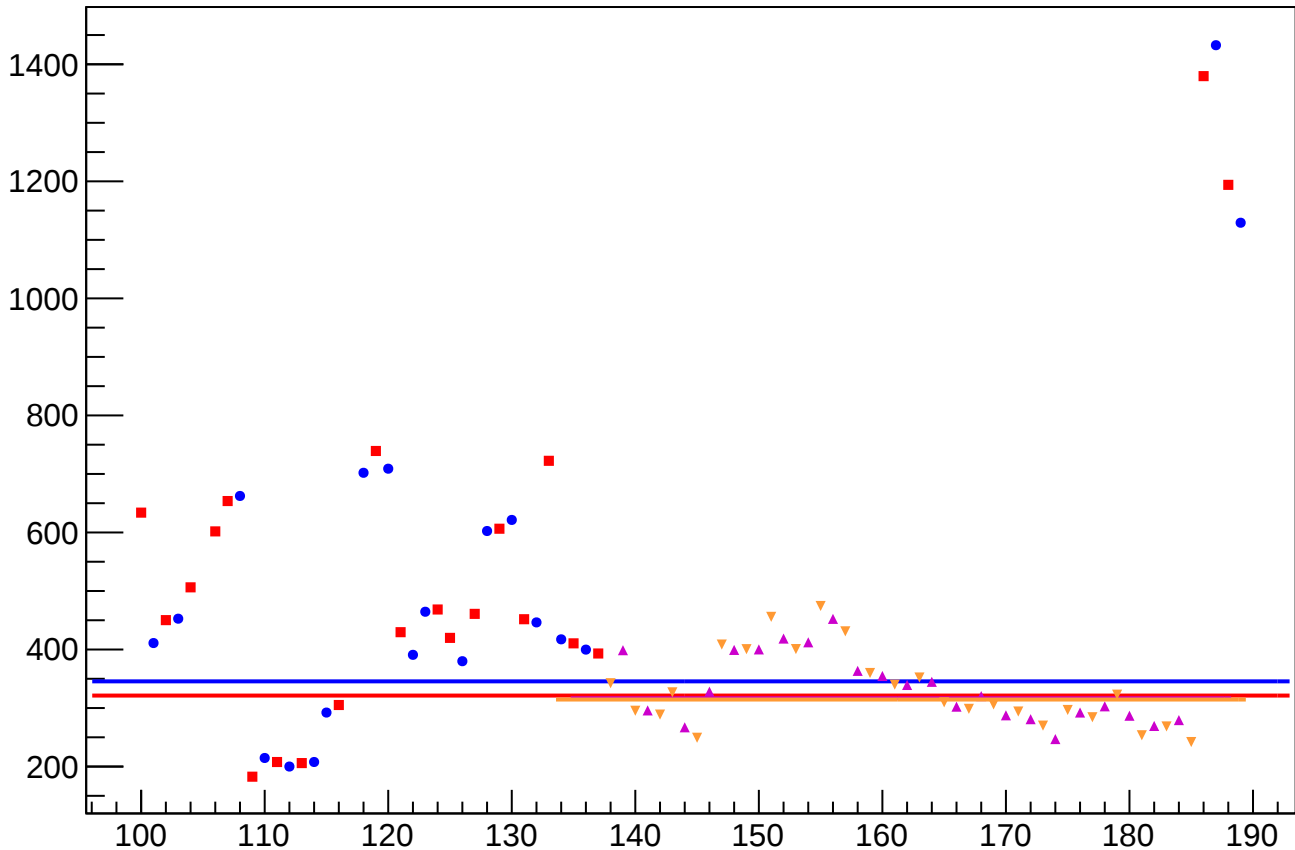
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 332.443 ± 66.072 χ^2/NDF : 76.1/43

All: 173.716 ± 46.712 χ^2/NDF : 131.9/87

- sign 15.104 ± 66.048 χ^2/NDF : 44.2/43

asym_sam7_rms vs Slug



Right In: 345.598+/-0.101 χ^2/NDF : 2586952.6/18

Left Out: 314.538+/-0.053 χ^2/NDF : 1112445.6/24

Right Out: 321.311+/-0.091 χ^2/NDF : 4121200.8/20

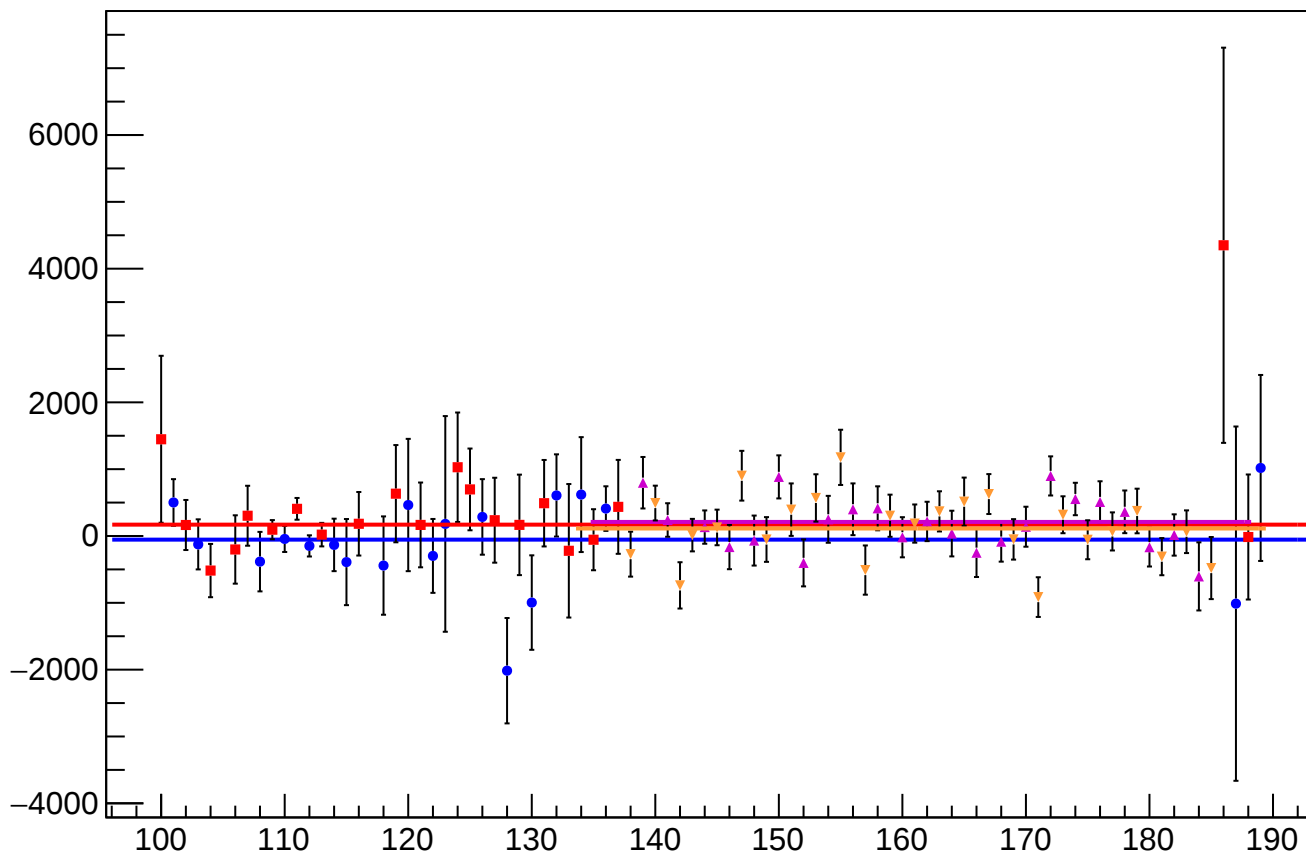
Left In: 316.647+/-0.054 χ^2/NDF : 920874.0/22

+ sign 321.198+/-0.047 χ^2/NDF : 3773848.3/43

All: 319.534+/-0.033 χ^2/NDF : 8820391.4/87

- sign 317.871+/-0.047 χ^2/NDF : 5044005.6/43

asym_sam8_mean vs Slug



Right In: -54.417 $\pm$ 90.450 χ^2 /NDF: 17.3/18

Left Out: 112.242 $\pm$ 62.643 χ^2 /NDF: 49.1/24

Right Out: 169.904 $\pm$ 76.683 χ^2 /NDF: 12.8/20

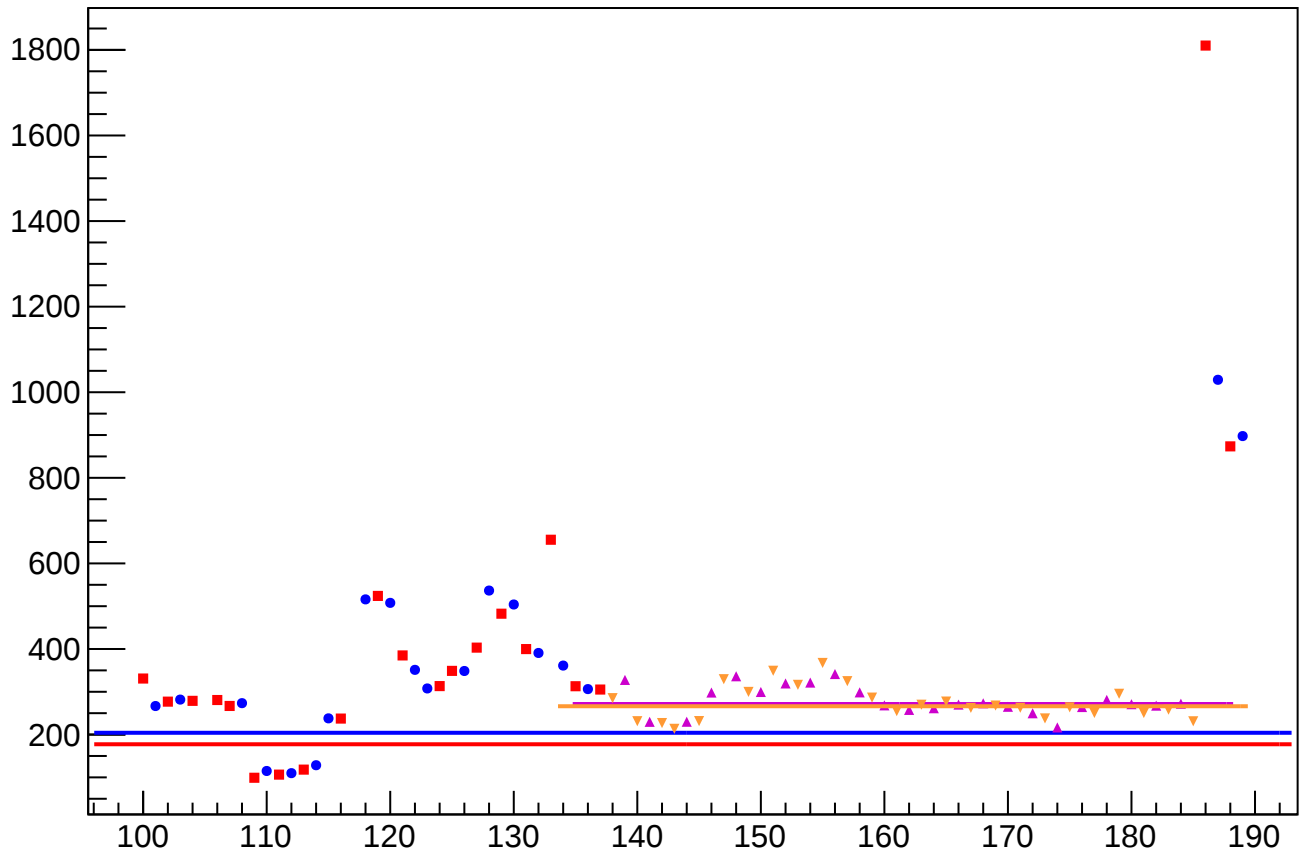
Left In: 210.453 $\pm$ 65.510 χ^2 /NDF: 29.2/22

+ sign 58.216 $\pm$ 51.498 χ^2 /NDF: 68.8/43

All: 128.033 $\pm$ 35.803 χ^2 /NDF: 114.5/87

- sign 193.345 $\pm$ 49.809 χ^2 /NDF: 42.1/43

asym_sam8_rms vs Slug



Right In: 204.194 $\pm$ 0.064 χ^2 /NDF: 4075775.4/18

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF:649629.9/24

Right Out: 177.365 $\pm$ 0.054 χ^2 /NDF: 5811992.1/20

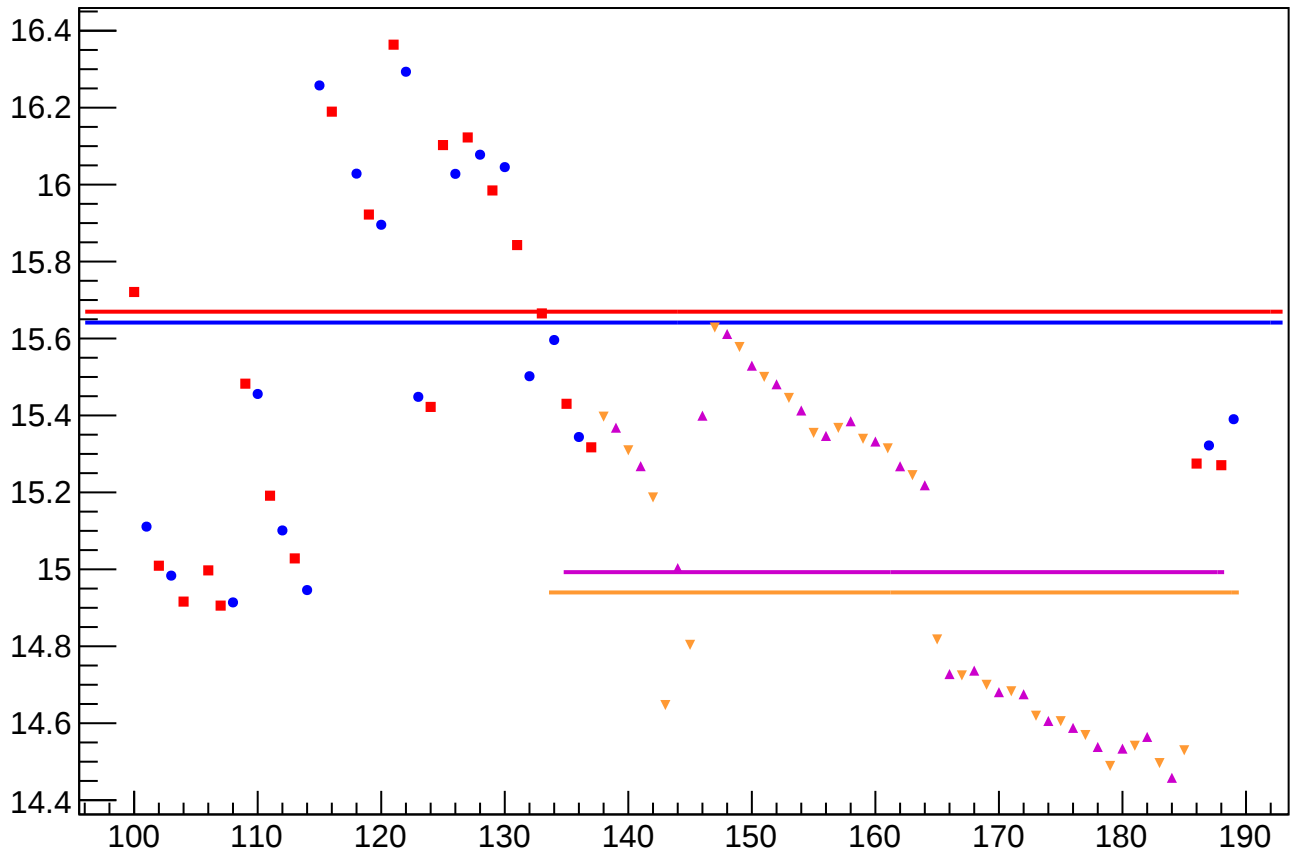
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF:521877.7/22

+ sign 246.104 $\pm$ 0.036 χ^2 /NDF: 5360761.7/43

All: 238.680 $\pm$ 0.025 χ^2 /NDF: 13514264.4/87

- sign 231.734 $\pm$ 0.035 χ^2 /NDF: 8073043.3/43

yield_sam1_mean vs Slug



Right In: 15.641+/-0.000 χ^2/NDF : 5502660170.8/18

Left Out: 14.940+/-0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.670+/-0.000 χ^2/NDF : 5532082013.0/20

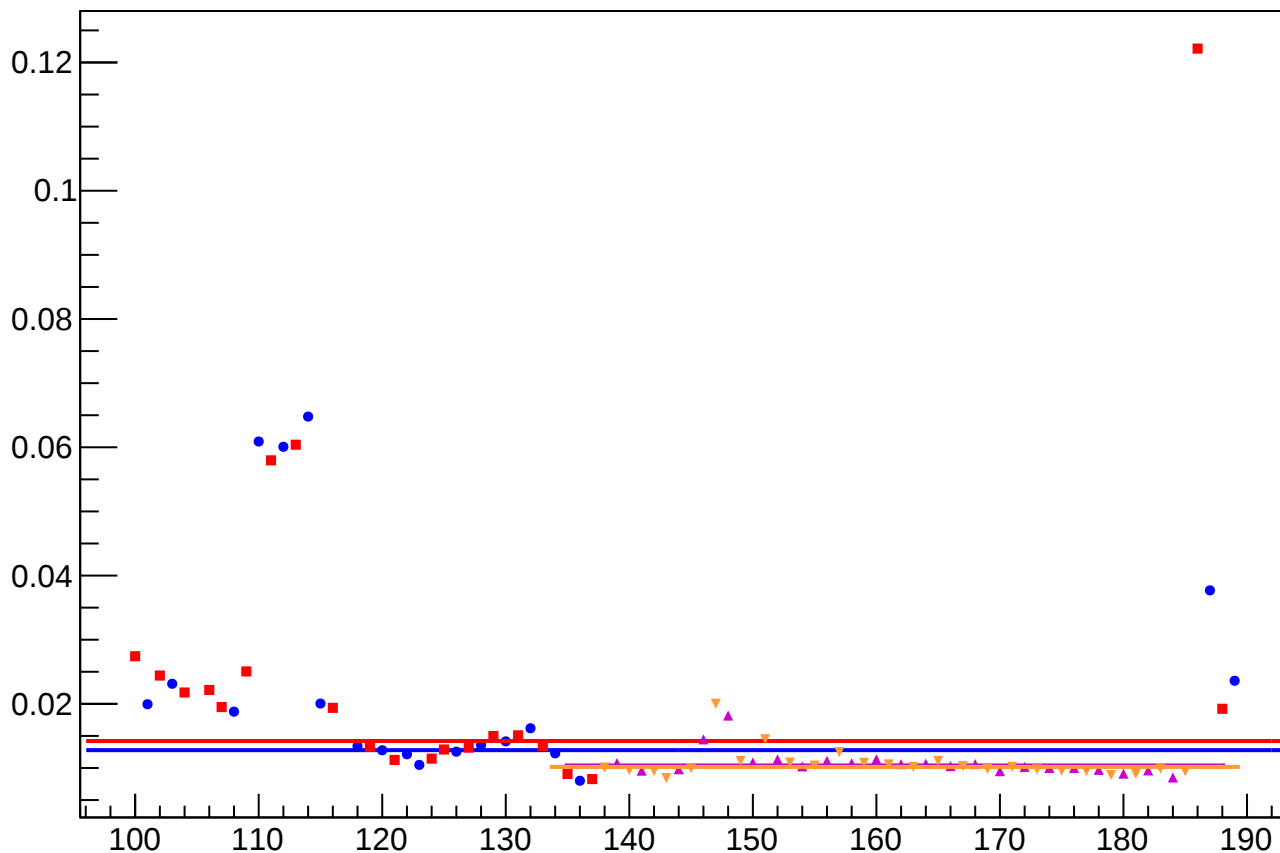
Left In: 14.993+/-0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.058+/-0.000 χ^2/NDF : 43579399303.6/43

All: 15.082+/-0.000 χ^2/NDF : 83223351955.8

- sign 15.108+/-0.000 χ^2/NDF : 39408172618.3/43

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2446903.2/18

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2768144.9/20

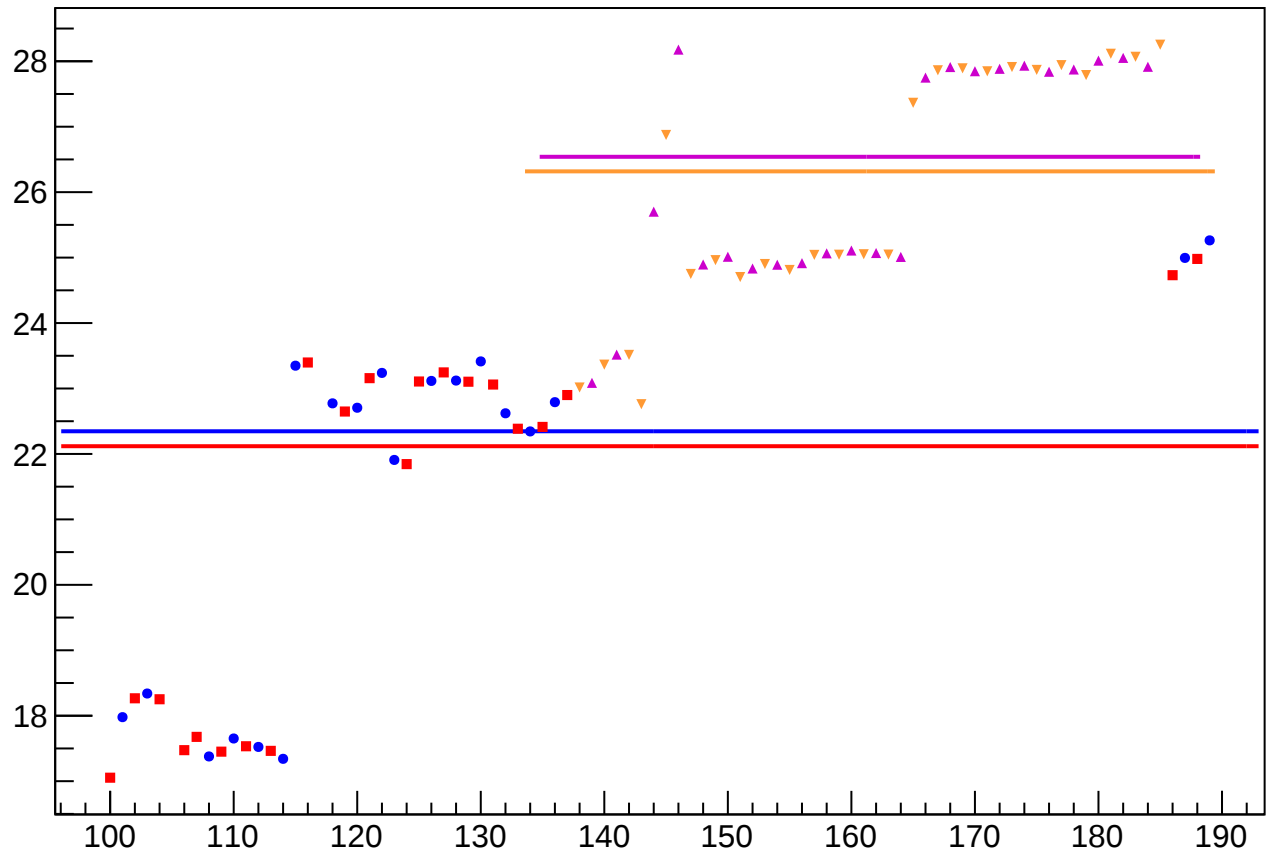
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3550546.5/43

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 7650829.6/87

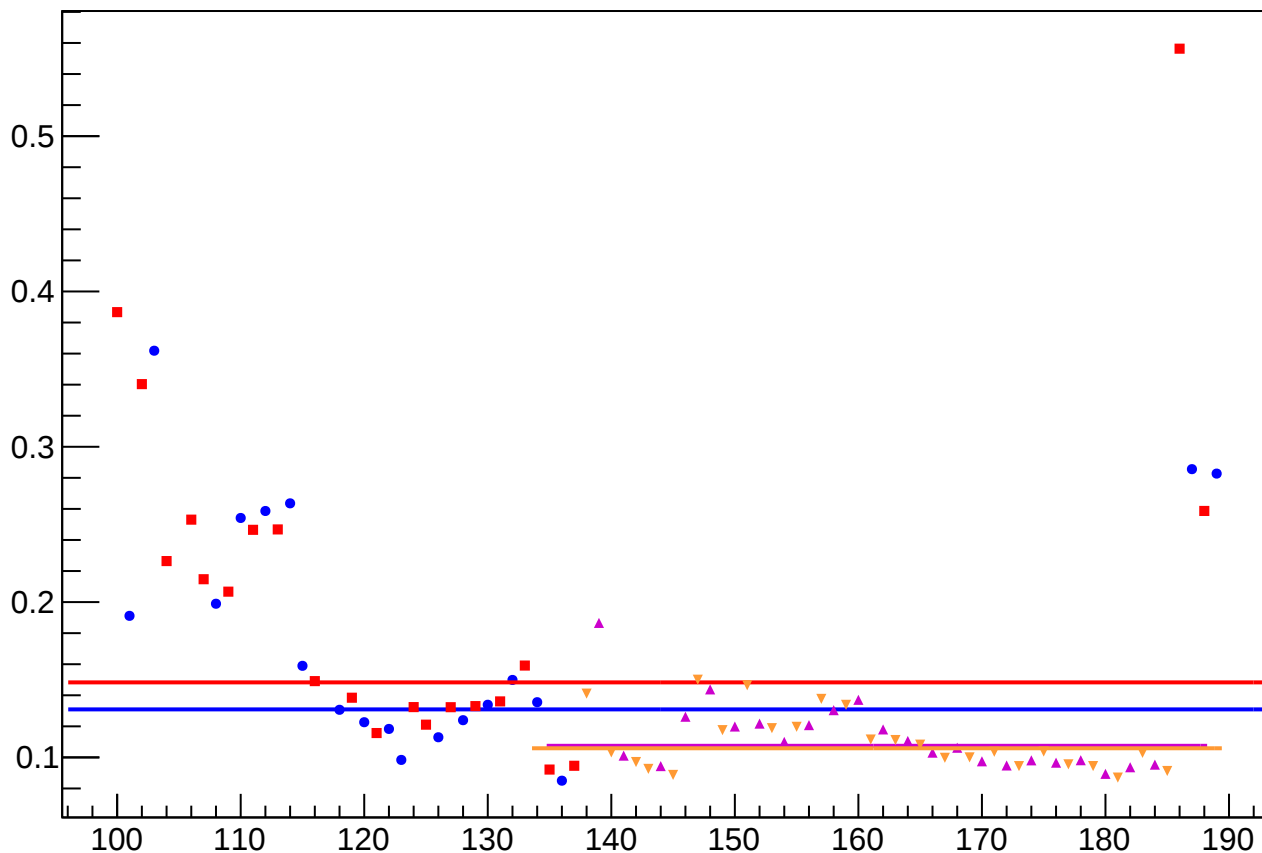
- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4063104.8/43

yield_sam2_mean vs Slug



Right In: 22.346+/-0.000	χ^2/NDF : 986133887.4/18	+ sign 25.588+/-0.000	χ^2/NDF : 9786365616.6/43
Left Out: 26.318+/-0.000	χ^2/NDF : 4715403741.0/24	All: 25.658+/-0.000	χ^2/NDF : 18895890292.0
Right Out: 22.118+/-0.000	χ^2/NDF : 1168174457.8/20	- sign 25.735+/-0.000	χ^2/NDF : 9091780326.0/43
Left In: 26.540+/-0.000	χ^2/NDF : 3309392772.6/22		

yield_sam2_rms vs Slug



Right In: 0.131+/-0.000 χ^2/NDF : 1817472.4/18

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.148+/-0.000 χ^2/NDF : 2180651.5/20

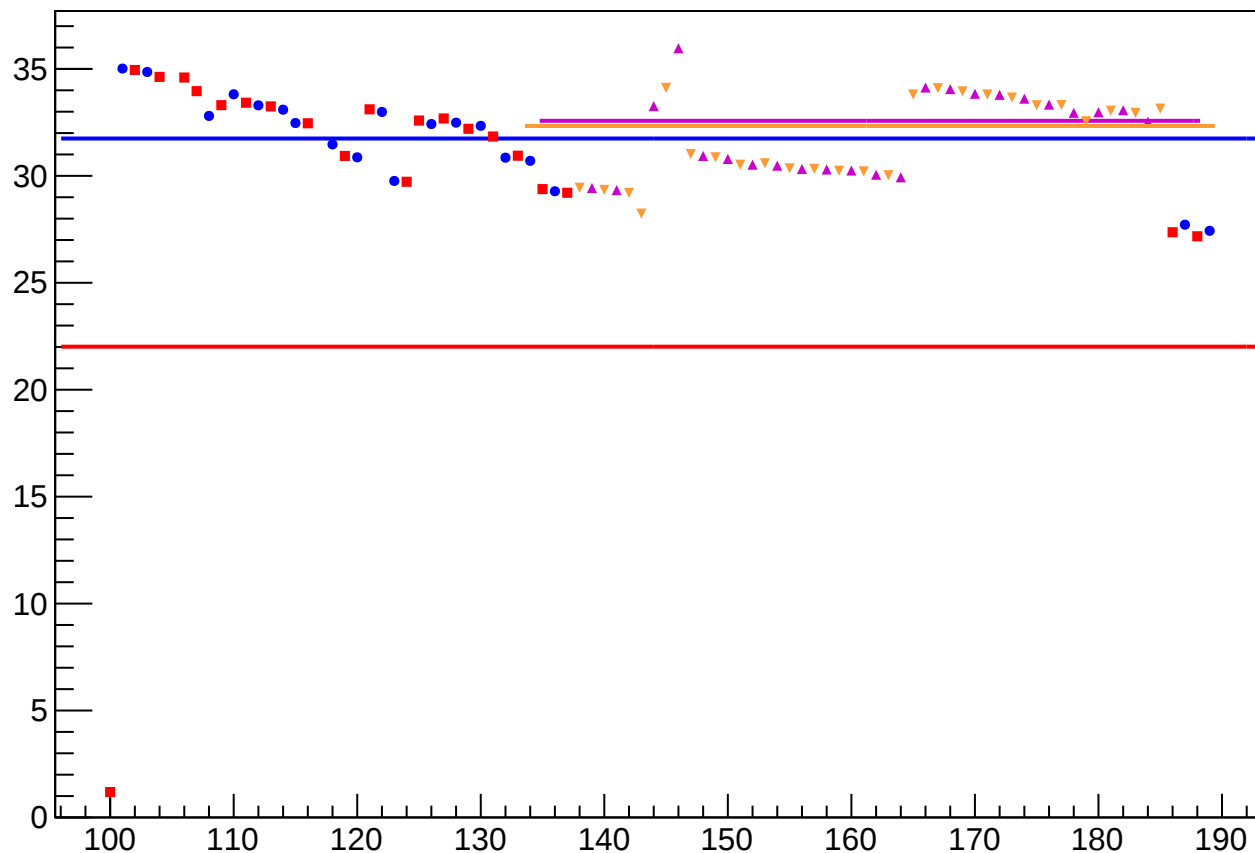
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.110+/-0.000 χ^2/NDF : 2875028.3/43

All: 0.113+/-0.000 χ^2/NDF : 6646163.6/87

- sign 0.115+/-0.000 χ^2/NDF : 3738750.8/43

yield_sam3_mean vs Slug



Right In: 31.746 $\pm$ 0.000 χ^2 /NDF: 2264642334.6/18

Left Out: 32.331 $\pm$ 0.000 χ^2 /NDF: 12850475096.2/24

Right Out: 22.013 $\pm$ 0.000 χ^2 /NDF: 230186612474.1/20

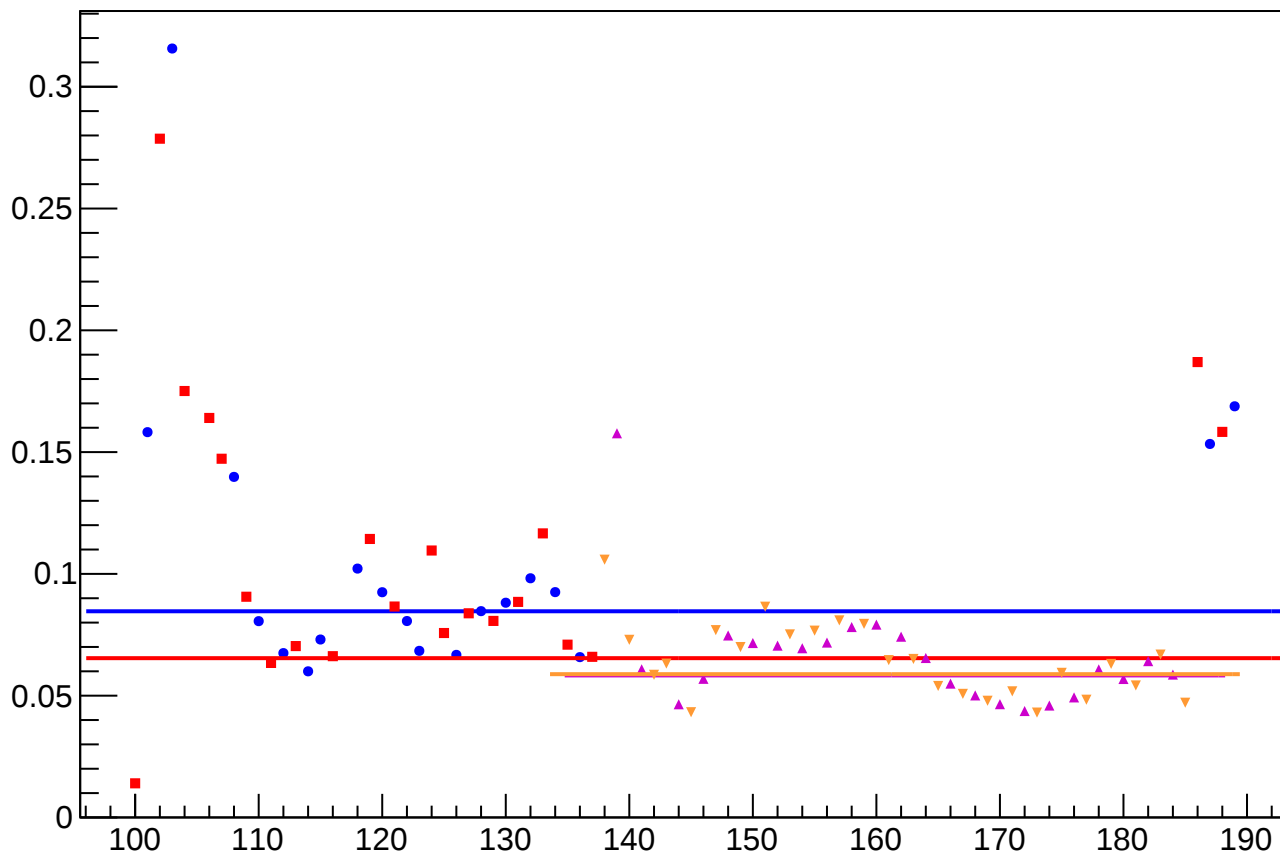
Left In: 32.574 $\pm$ 0.000 χ^2 /NDF: 11797772603.7/22

+ sign 32.242 $\pm$ 0.000 χ^2 /NDF: 15329231730.1/43

All: 31.228 $\pm$ 0.000 χ^2 /NDF: 363147667175.

- sign 30.253 $\pm$ 0.000 χ^2 /NDF: 338072575700.1/43

yield_sam3_rms vs Slug



Right In: 0.085 $\pm$ 0.000 χ^2 /NDF: 1440250.9/18

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.065 $\pm$ 0.000 χ^2 /NDF: 4525849.9/20

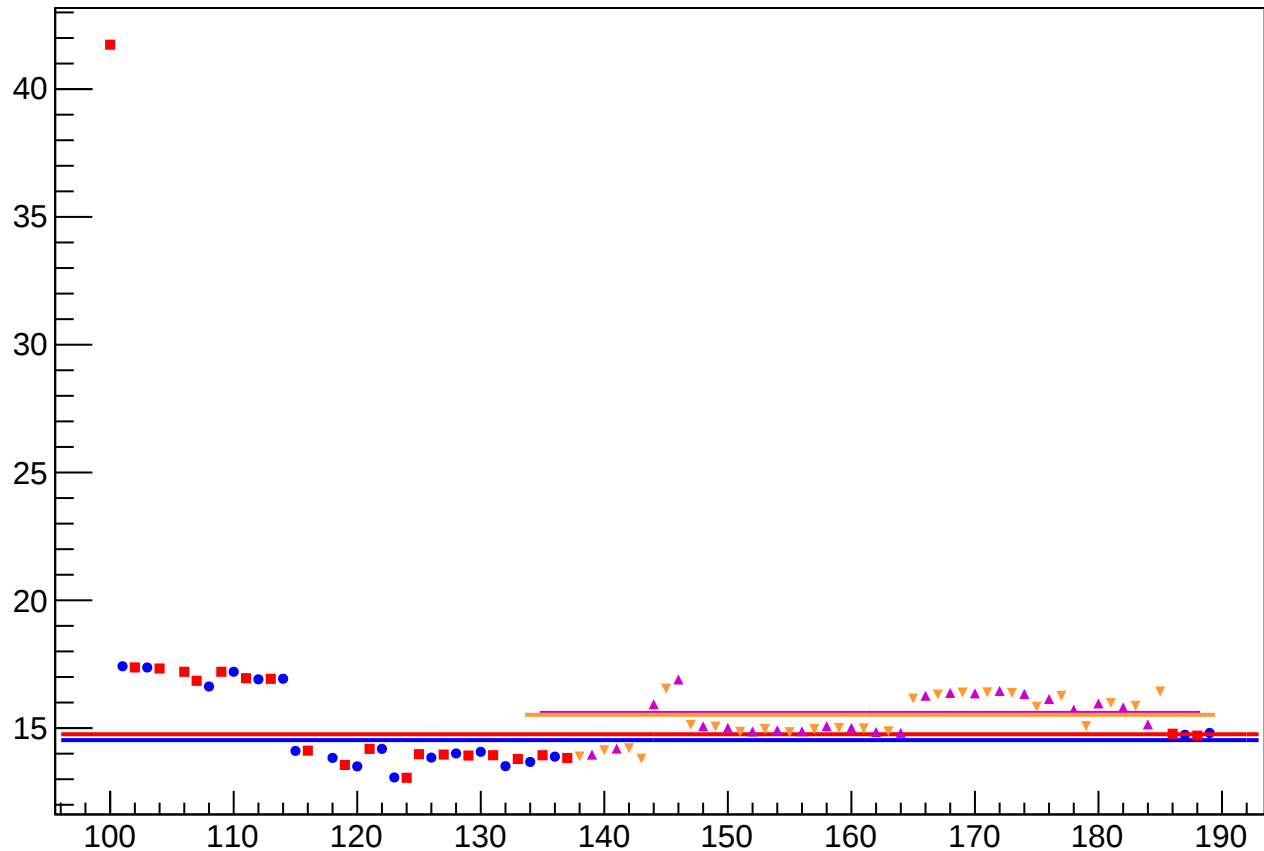
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.063 $\pm$ 0.000 χ^2 /NDF: 3676642.9/43

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 9855854.5/87

- sign 0.060 $\pm$ 0.000 χ^2 /NDF: 6137830.0/43

yield_sam4_mean vs Slug



Right In: 14.530+/-0.000 χ^2/NDF : 1486699613.9/18

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.759+/-0.000 χ^2/NDF : 1903195507.8/20

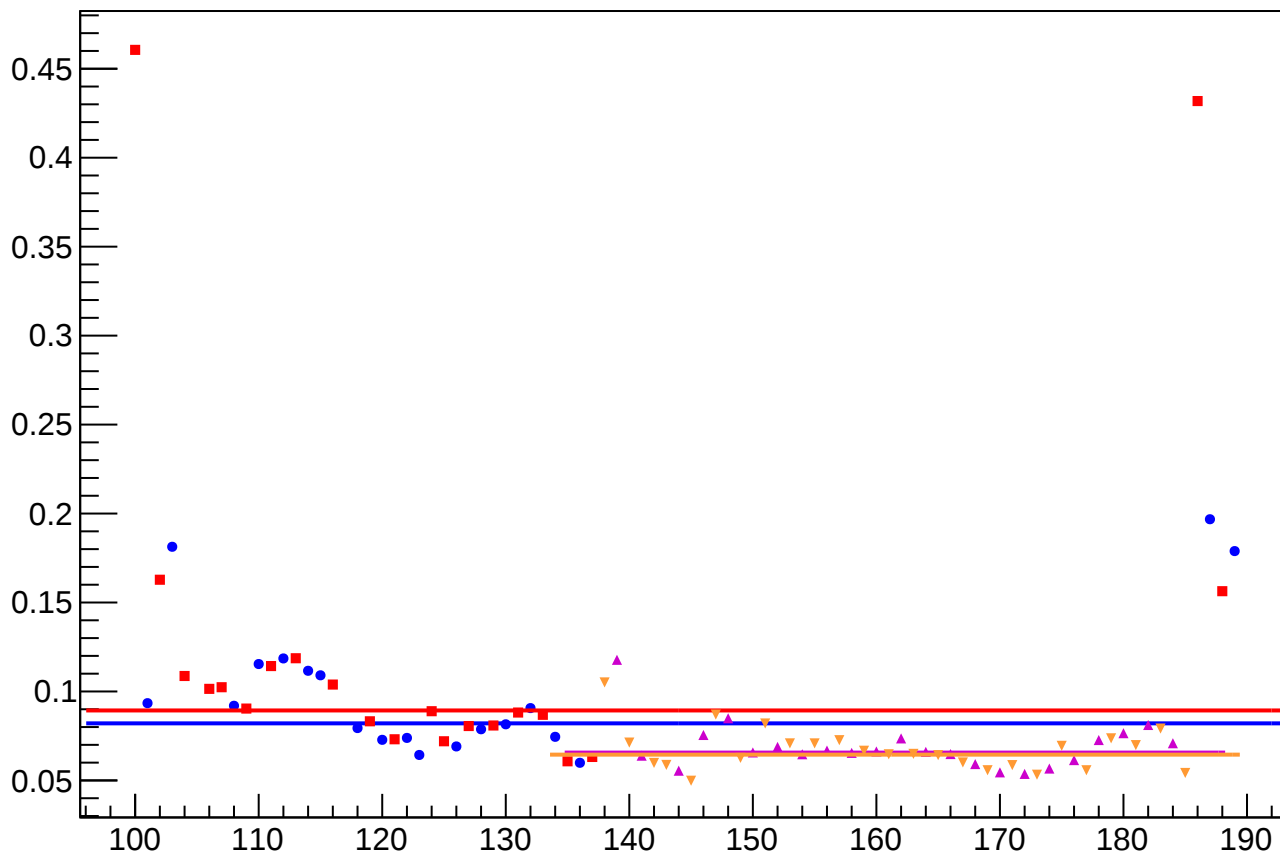
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.333+/-0.000 χ^2/NDF : 4775671631.3/43

All: 15.381+/-0.000 χ^2/NDF : 9079488635.5/8

- sign 15.432+/-0.000 χ^2/NDF : 4282411148.0/43

yield_sam4_rms vs Slug



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1124682.1/18

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 1534262.9/20

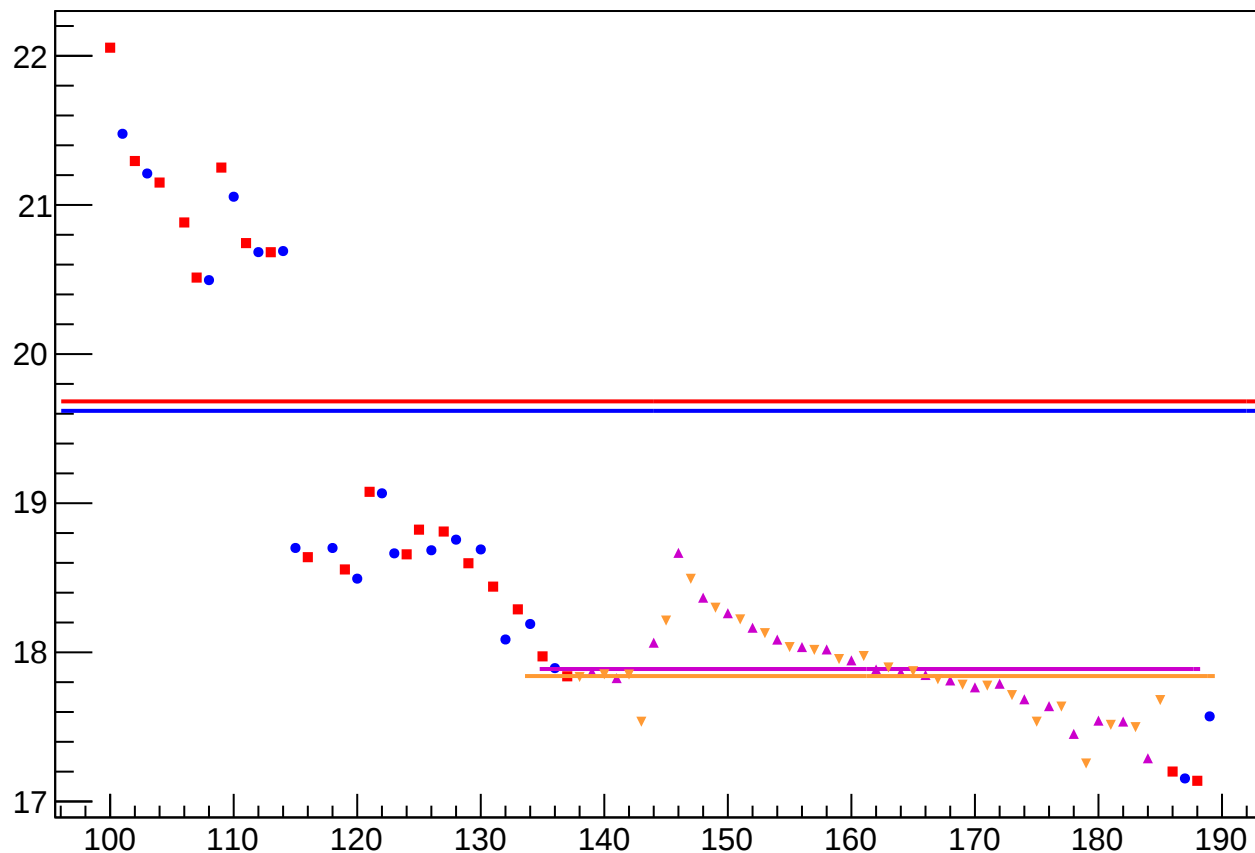
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.068 $\pm$ 0.000 χ^2 /NDF: 2324980.9/43

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 5356515.1/87

- sign 0.070 $\pm$ 0.000 χ^2 /NDF: 3004568.9/43

yield_sam5_mean vs Slug



Right In: 19.619+/-0.000 χ^2/NDF : 13097792466.1/18

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 19.683+/-0.000 χ^2/NDF : 14539157602.4/20

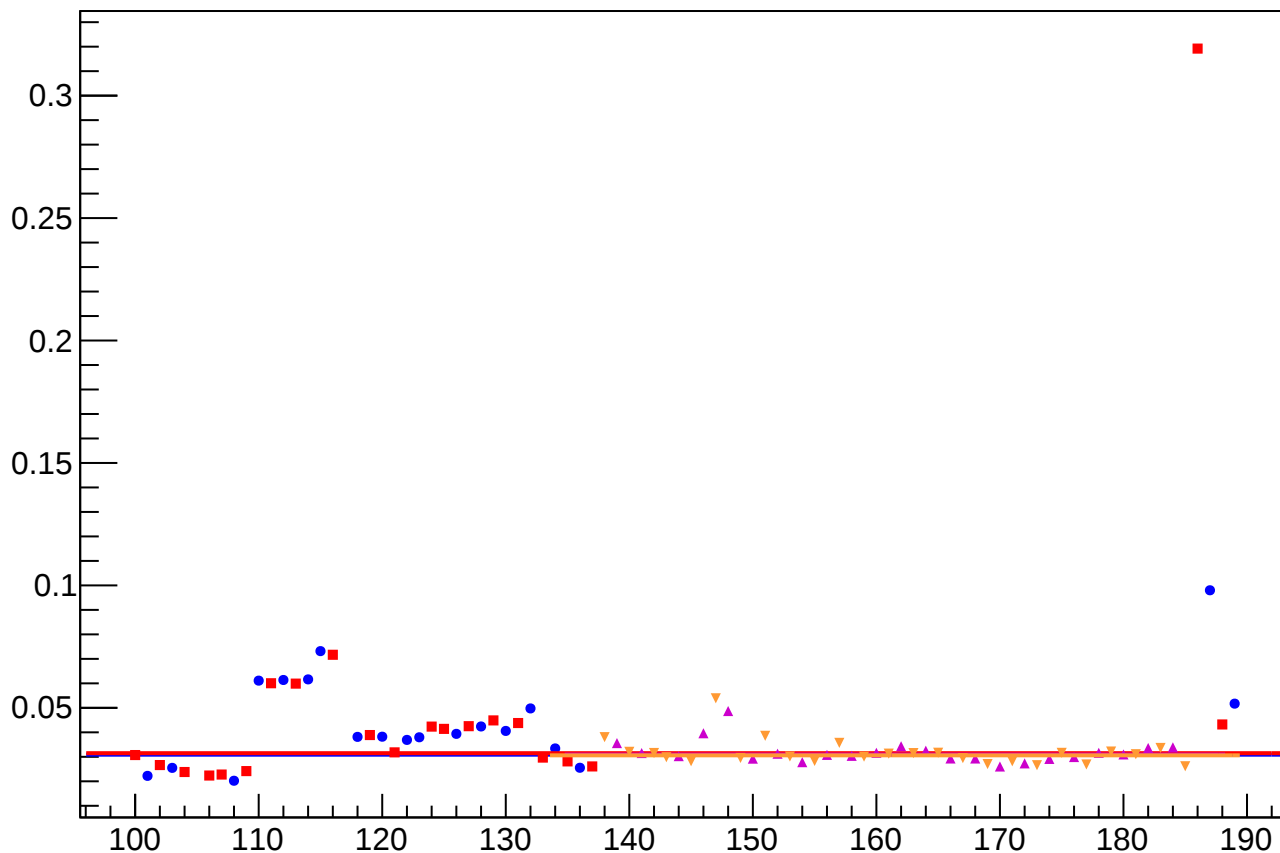
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.289+/-0.000 χ^2/NDF : 29218392142.7/43

All: 18.339+/-0.000 χ^2/NDF : 60780147356.8

- sign 18.392+/-0.000 χ^2/NDF : 31431385315.1/43

yield_sam5_rms vs Slug



Right In: 0.031 $\pm$ 0.000 χ^2 /NDF: 1587196.9/18

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 1891002.4/20

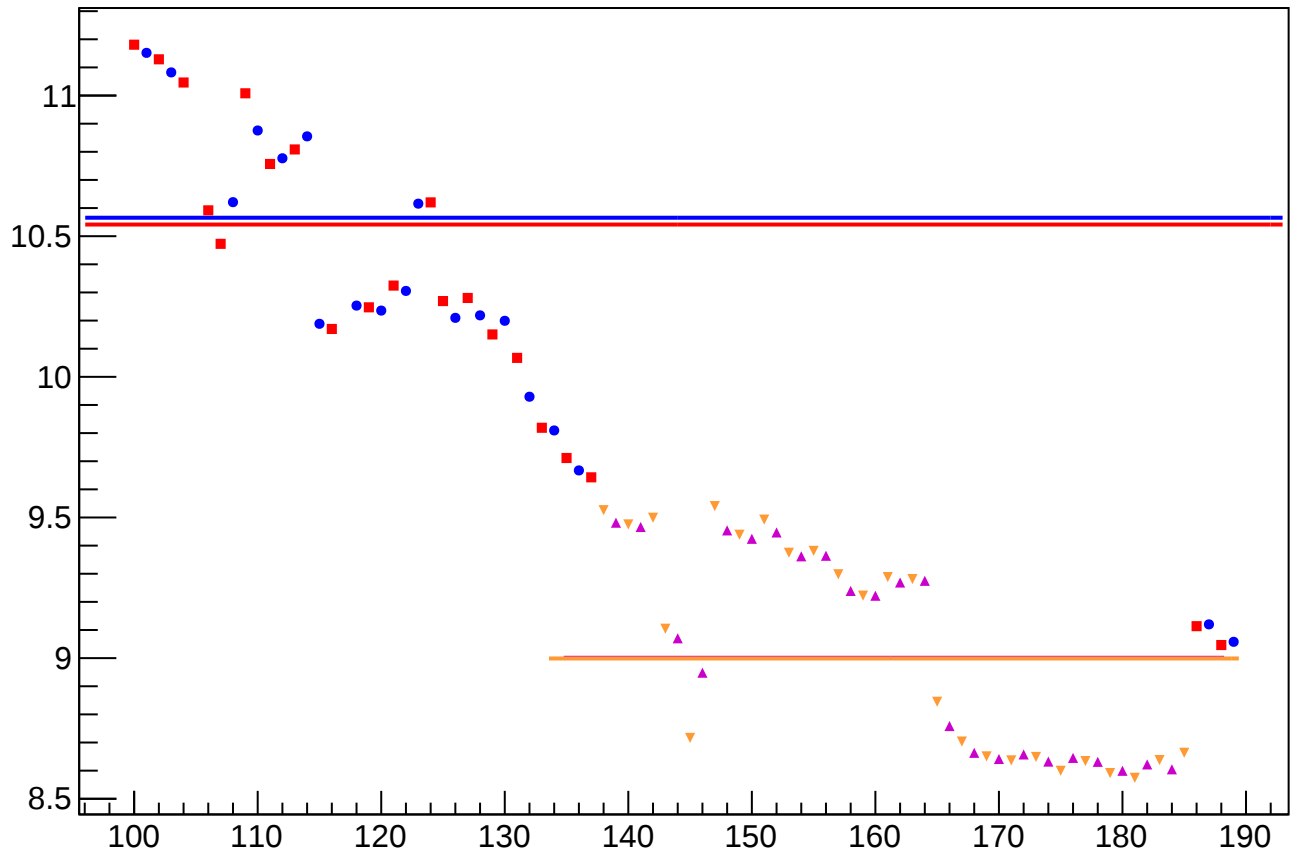
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2178343.5/43

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 4529953.2/87

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2347864.3/43

yield_sam6_mean vs Slug



Right In: 10.566+/-0.000 χ^2 /NDF: 8137670605.9/18

Left Out: 8.999+/-0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.541+/-0.000 χ^2 /NDF: 7187676481.8/20

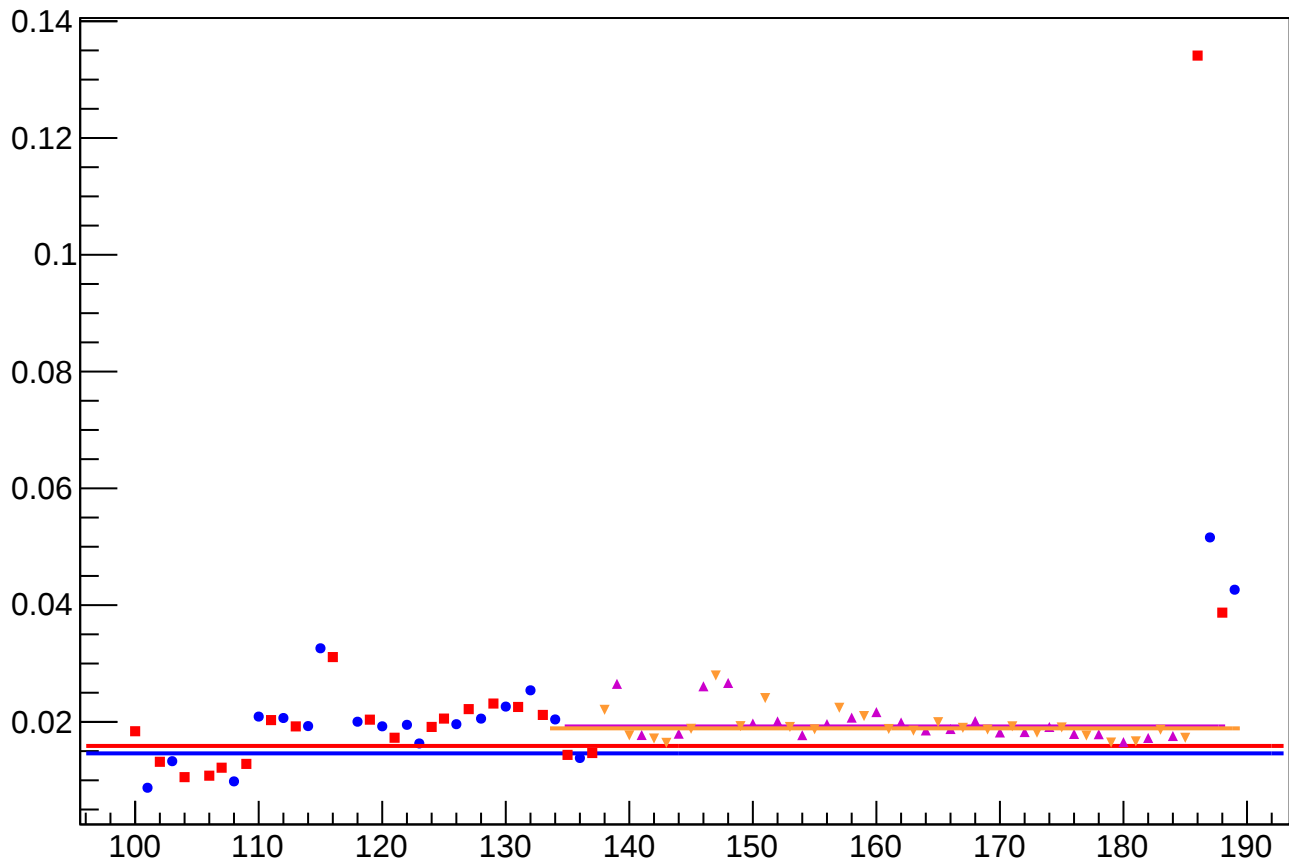
Left In: 9.001+/-0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.561+/-0.000 χ^2 /NDF: 55940405587.0/43

All: 9.571+/-0.000 χ^2 /NDF: 106670370696.5

- sign 9.581+/-0.000 χ^2 /NDF: 50716376419.6/43

yield_sam6_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1915670.0/18

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 428169.5/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 2163855.9/20

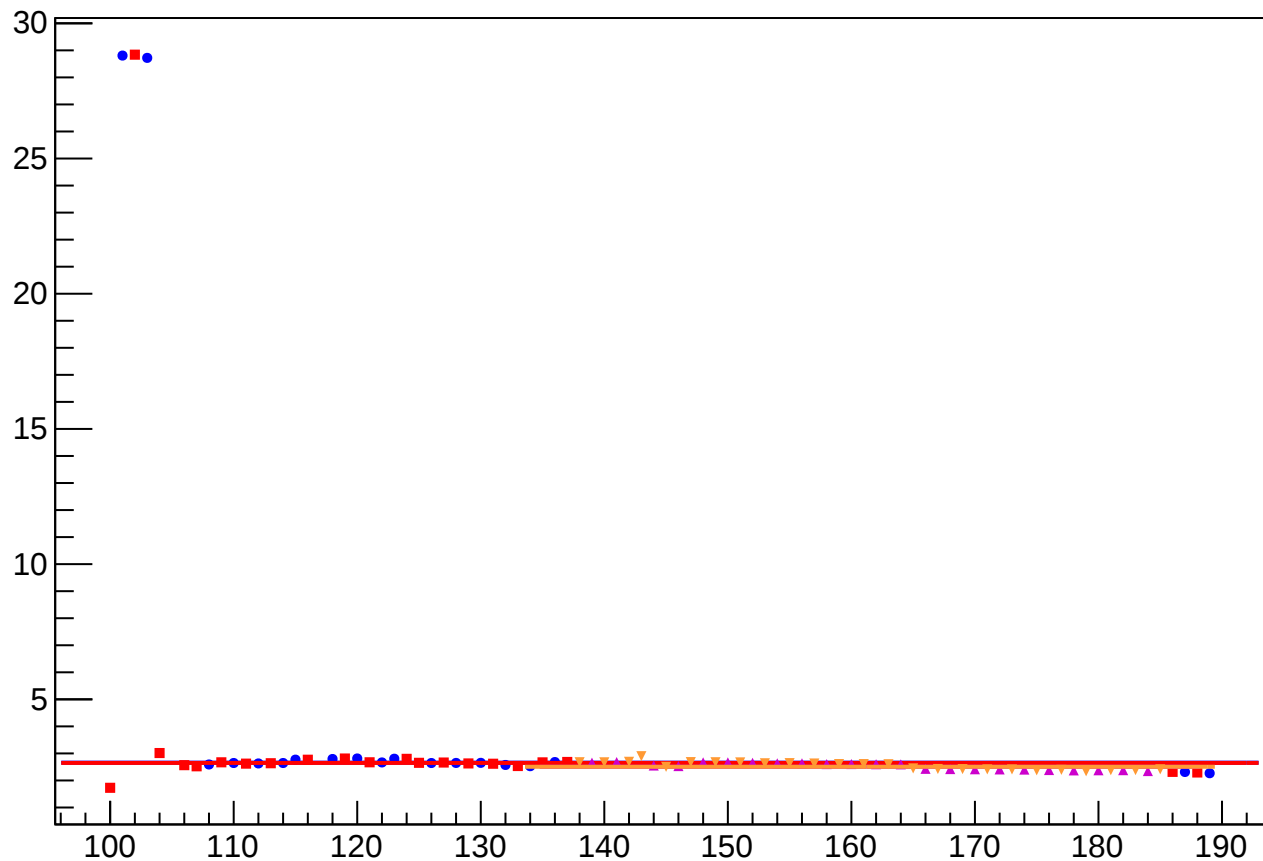
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 481824.0/22

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2963083.0/43

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 5994067.4/87

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 3004640.6/43

yield_sam7_mean vs Slug



Right In: 2.659 $\pm$ 0.000 χ^2 /NDF: 165912511284.9/18

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.649 $\pm$ 0.000 χ^2 /NDF: 76657620676.0/20

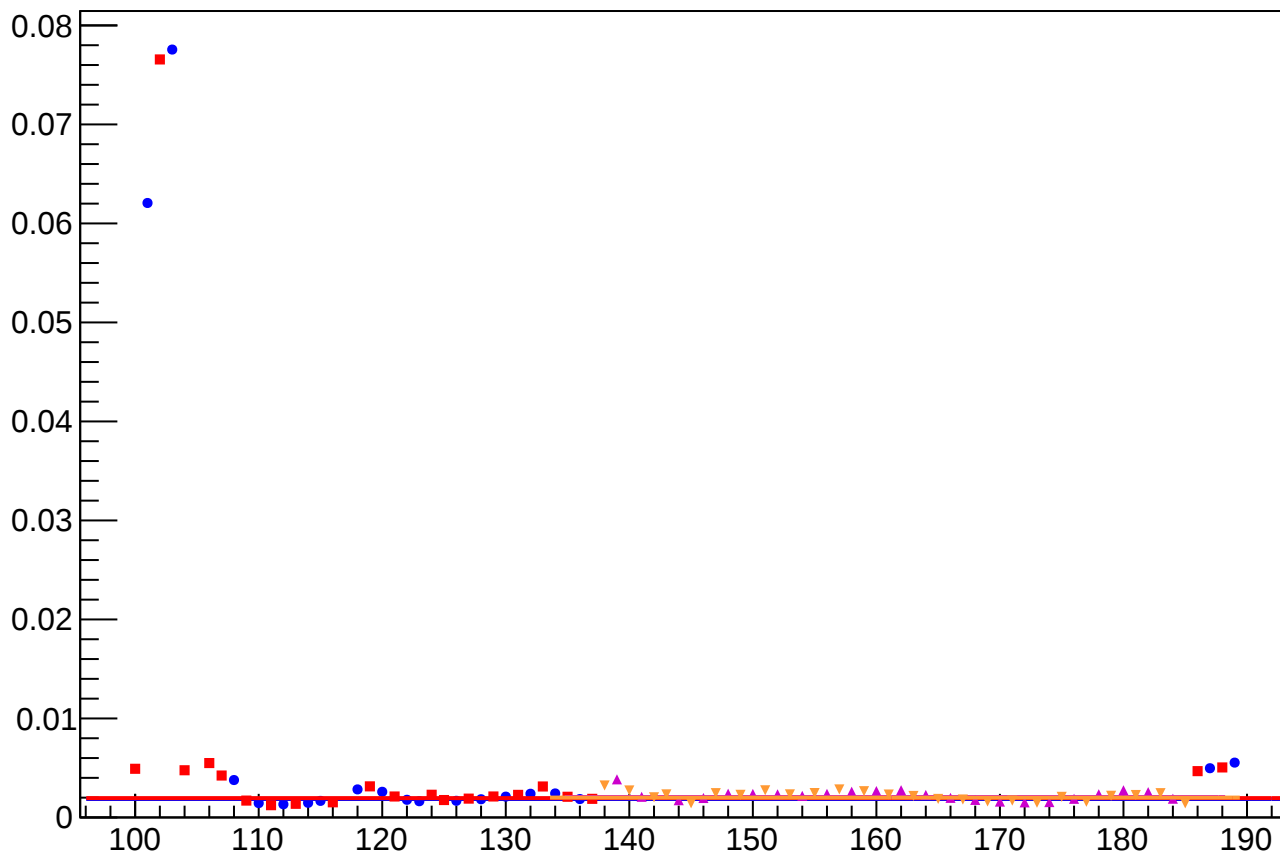
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.548 $\pm$ 0.000 χ^2 /NDF: 253122523505.2/43

All: 2.549 $\pm$ 0.000 χ^2 /NDF: 393453862687.2

- sign 2.549 $\pm$ 0.000 χ^2 /NDF: 140327347551.2/43

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3124003.6/18

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3245386.8/20

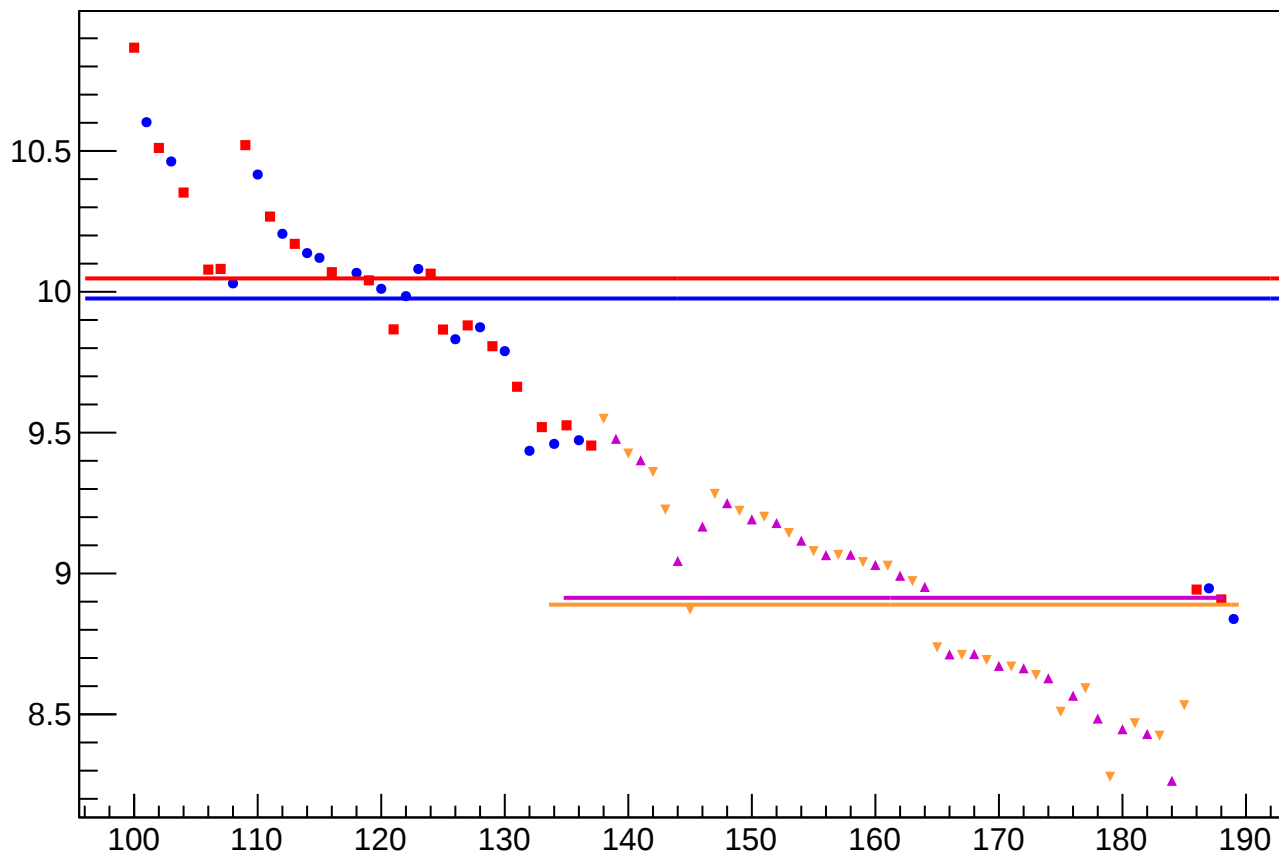
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4632554.4/43

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 9220592.3/87

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4571492.1/43

yield_sam8_mean vs Slug



Right In: 9.976 $\pm$ 0.000 χ^2 /NDF: 21519240033.9/18

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 10.048 $\pm$ 0.000 χ^2 /NDF: 22279932916.9/20

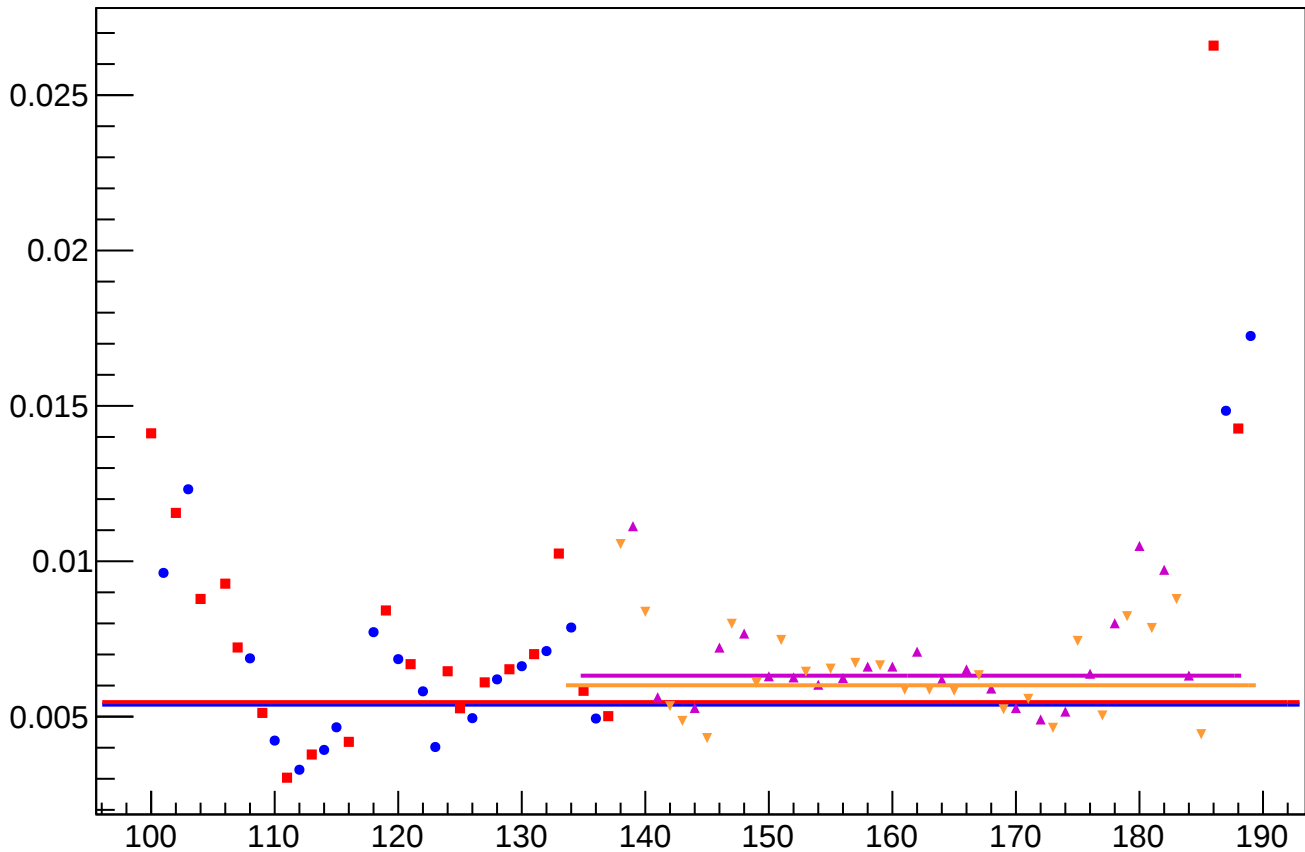
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.229 $\pm$ 0.000 χ^2 /NDF: 204938792447.6/43

All: 9.274 $\pm$ 0.000 χ^2 /NDF: 419618693723.0

- sign 9.323 $\pm$ 0.000 χ^2 /NDF: 212217333832.9/43

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1750993.6/18

Left Out: 0.006+/-0.000 χ^2/NDF :1312525.9/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2805946.0/20

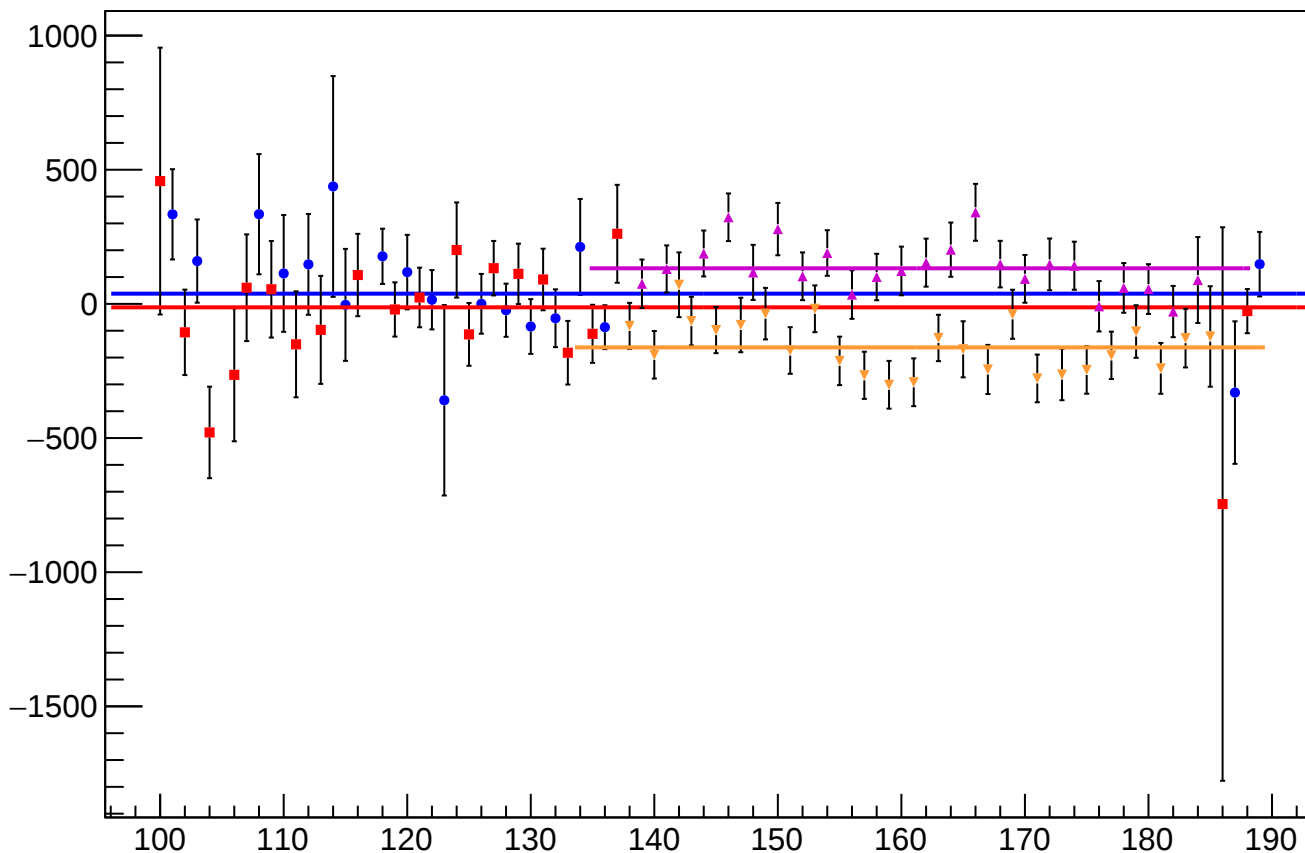
Left In: 0.006+/-0.000 χ^2/NDF :1087051.3/22

+ sign 0.006+/-0.000 χ^2/NDF : 3161247.5/43

All: 0.006+/-0.000 χ^2/NDF : 7257850.4/87

- sign 0.006+/-0.000 χ^2/NDF : 4074706.5/43

reg_asym_sam1_mean vs Slug



Right In: 38.108 ± 31.017 χ^2/NDF : 19.1/18

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -12.784 ± 29.968 χ^2/NDF : 23.4/20

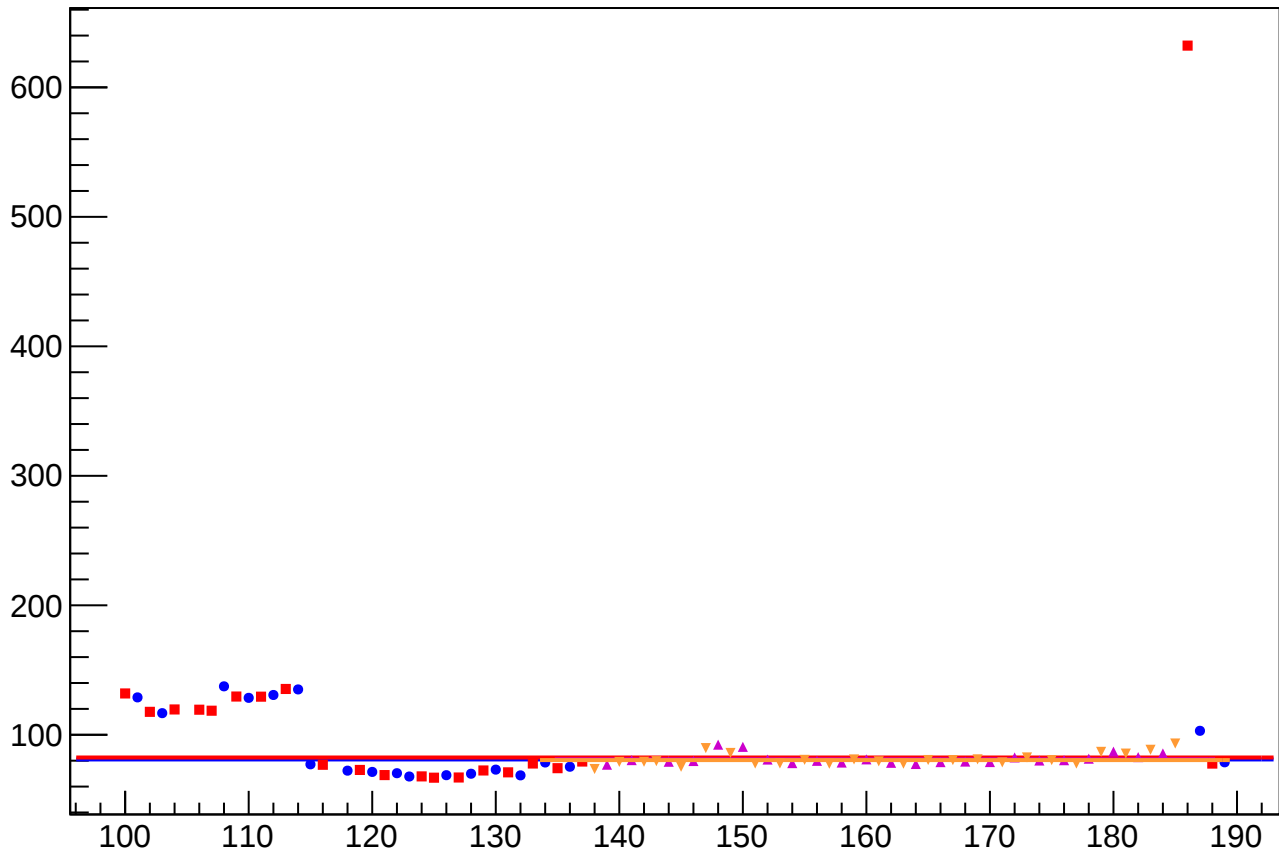
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -108.586 ± 16.043 χ^2/NDF : 75.3/43

All: -10.980 ± 11.429 χ^2/NDF : 211.1/87

- sign 89.625 ± 16.287 χ^2/NDF : 60.7/43

reg_asym_sam1_rms vs Slug



Right In: 80.950 $\pm$ 0.022 χ^2 /NDF: 822383.7/18

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 82.463 $\pm$ 0.021 χ^2 /NDF: 1483188.0/20

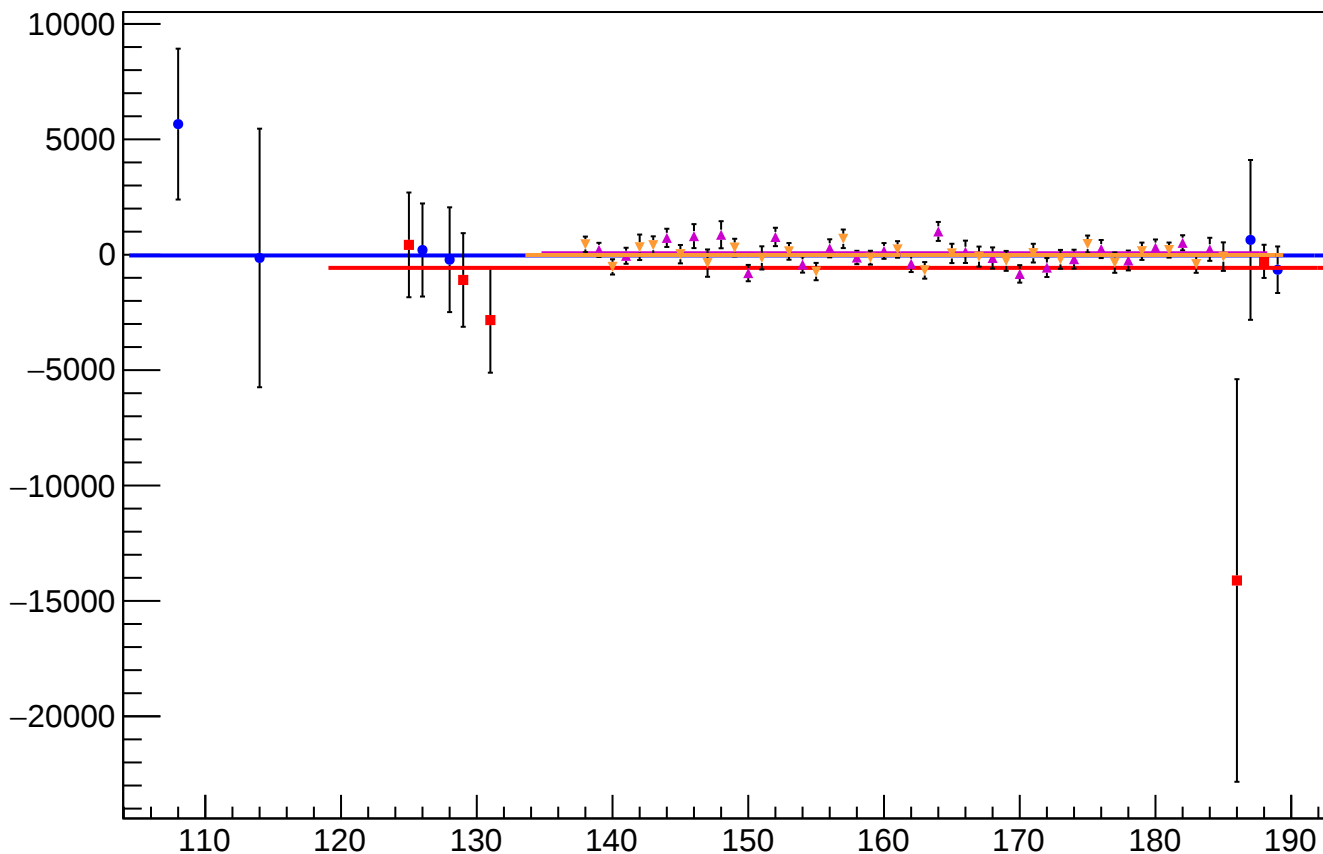
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 80.590 $\pm$ 0.011 χ^2 /NDF: 912693.0/43

All: 81.009 $\pm$ 0.008 χ^2 /NDF: 2474201.8/87

- sign 81.442 $\pm$ 0.012 χ^2 /NDF: 1558732.5/43

asym_sam1_correction_mean vs Slug



Right In: -31.367 ± 782.819 χ^2/NDF : 3.5/5

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -568.981 ± 622.829 χ^2/NDF : 3.8/4

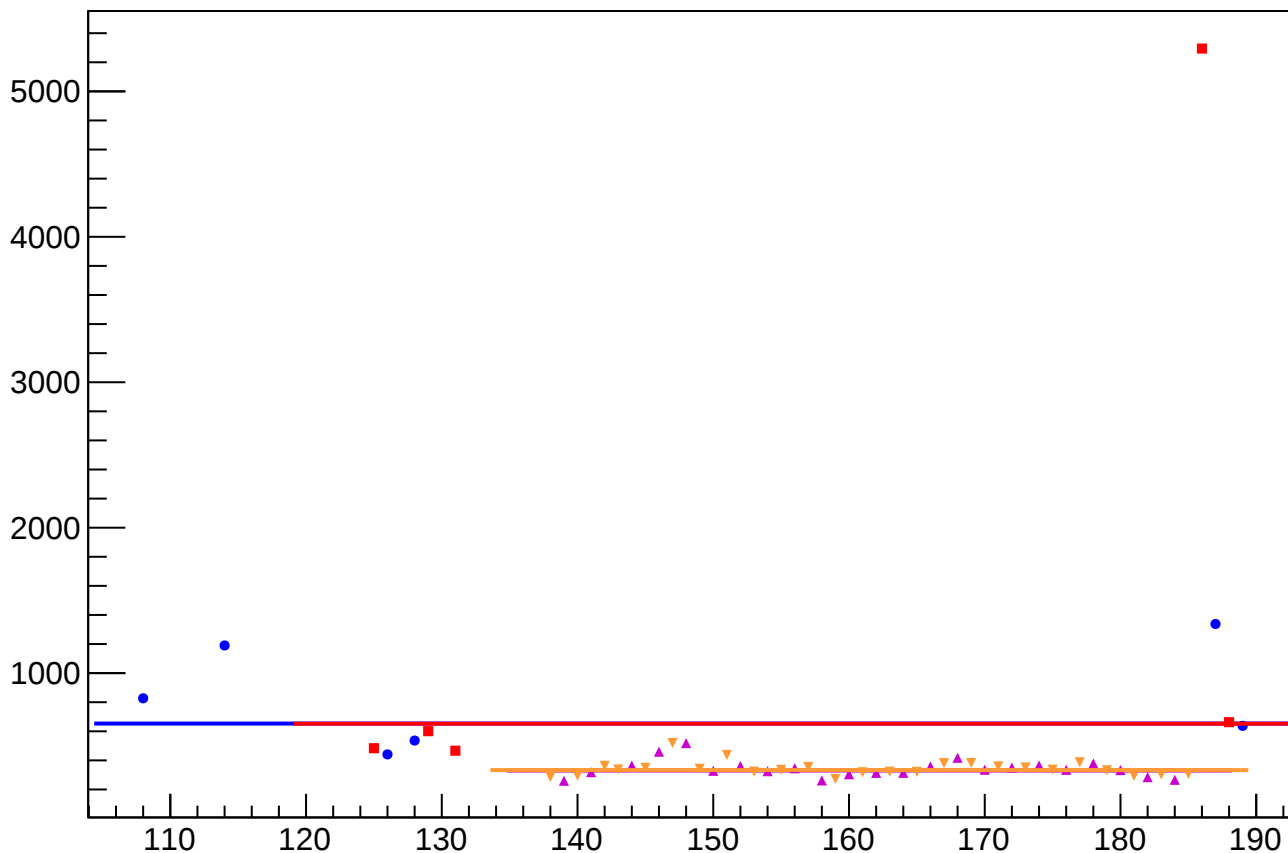
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -10.694 ± 78.001 χ^2/NDF : 26.0/30

All: 21.226 ± 55.641 χ^2/NDF : 68.6/58

- sign 54.296 ± 79.394 χ^2/NDF : 42.2/27

asym_sam1_correction_rms vs Slug



Right In: 653.235 $\pm$ 0.554 χ^2 /NDF: 130092.3/5

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 652.392 $\pm$ 0.440 χ^2 /NDF: 592412.7/4

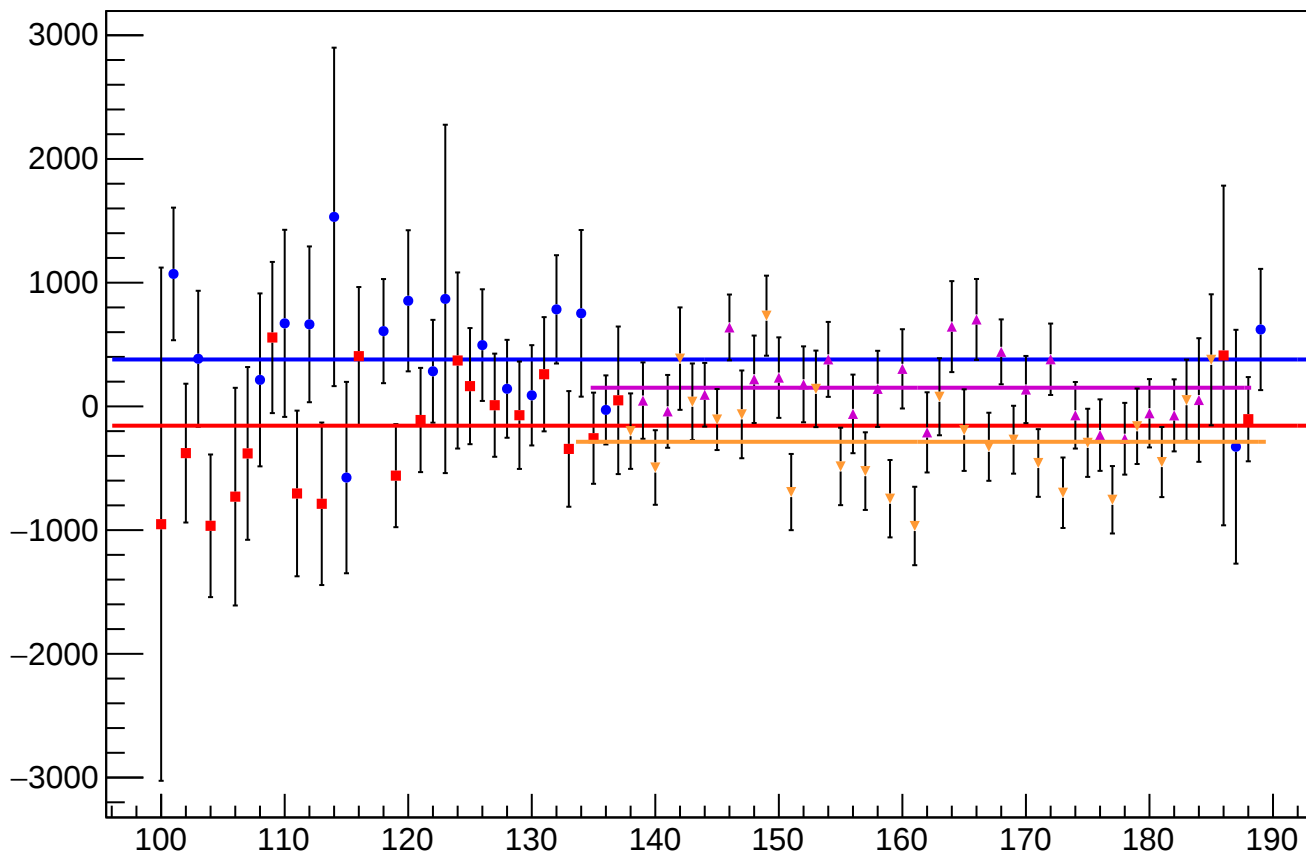
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 336.410 $\pm$ 0.055 χ^2 /NDF: 1053100.2/30

All: 335.828 $\pm$ 0.039 χ^2 /NDF: 2968922.1/58

- sign 335.224 $\pm$ 0.056 χ^2 /NDF: 1915594.8/27

reg_asym_sam2_mean vs Slug



Right In: 379.312 ± 116.834 χ^2/NDF : 10.5/18

Left Out: -286.030 ± 61.095 χ^2/NDF : 36.6/24

Right Out: -155.882 ± 113.398 χ^2/NDF : 10.3/20

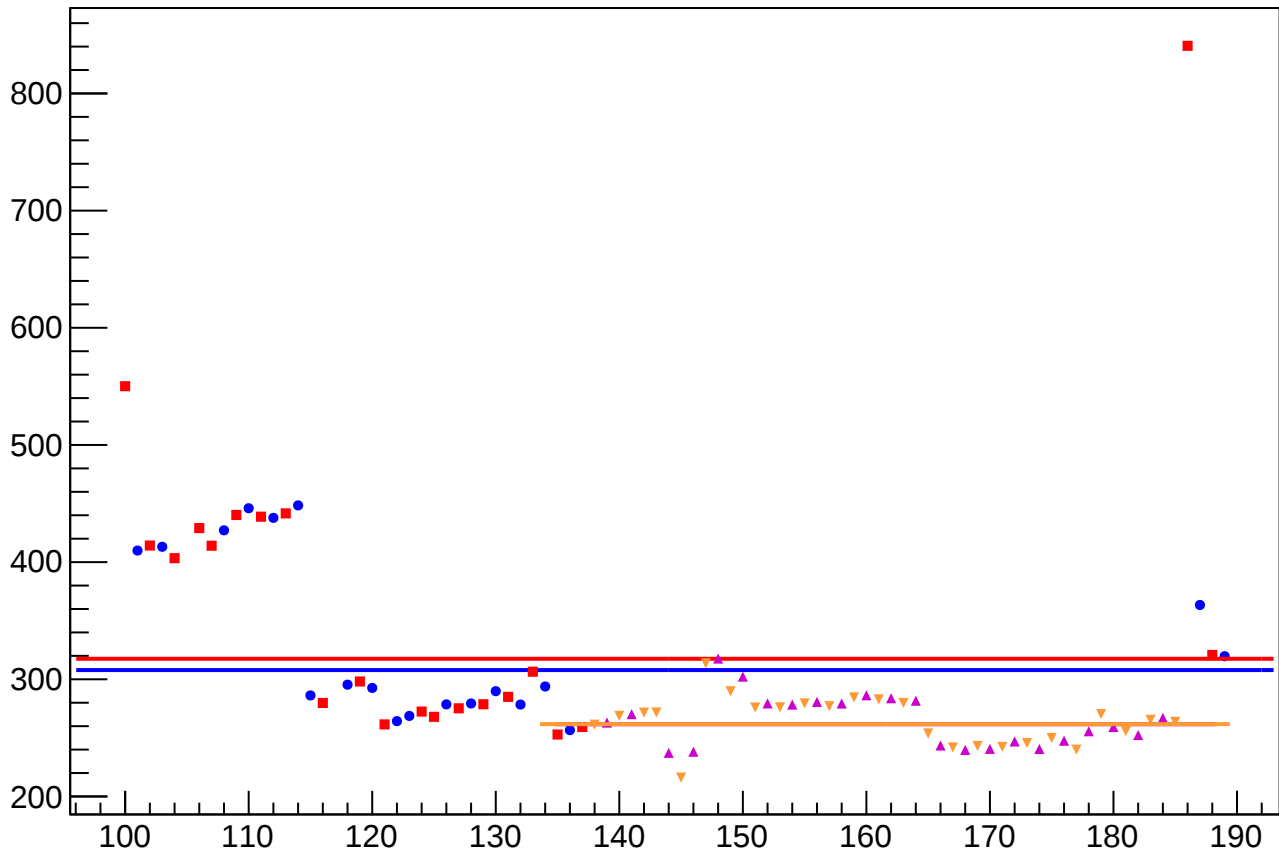
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -143.164 ± 54.139 χ^2/NDF : 72.5/43

All: -33.792 ± 38.566 χ^2/NDF : 115.4/87

- sign 78.879 ± 54.950 χ^2/NDF : 34.6/43

reg_asym_sam2_rms vs Slug



Right In: 307.880+/-0.083 χ^2/NDF : 513528.6/18

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 317.517+/-0.080 χ^2/NDF : 914859.8/20

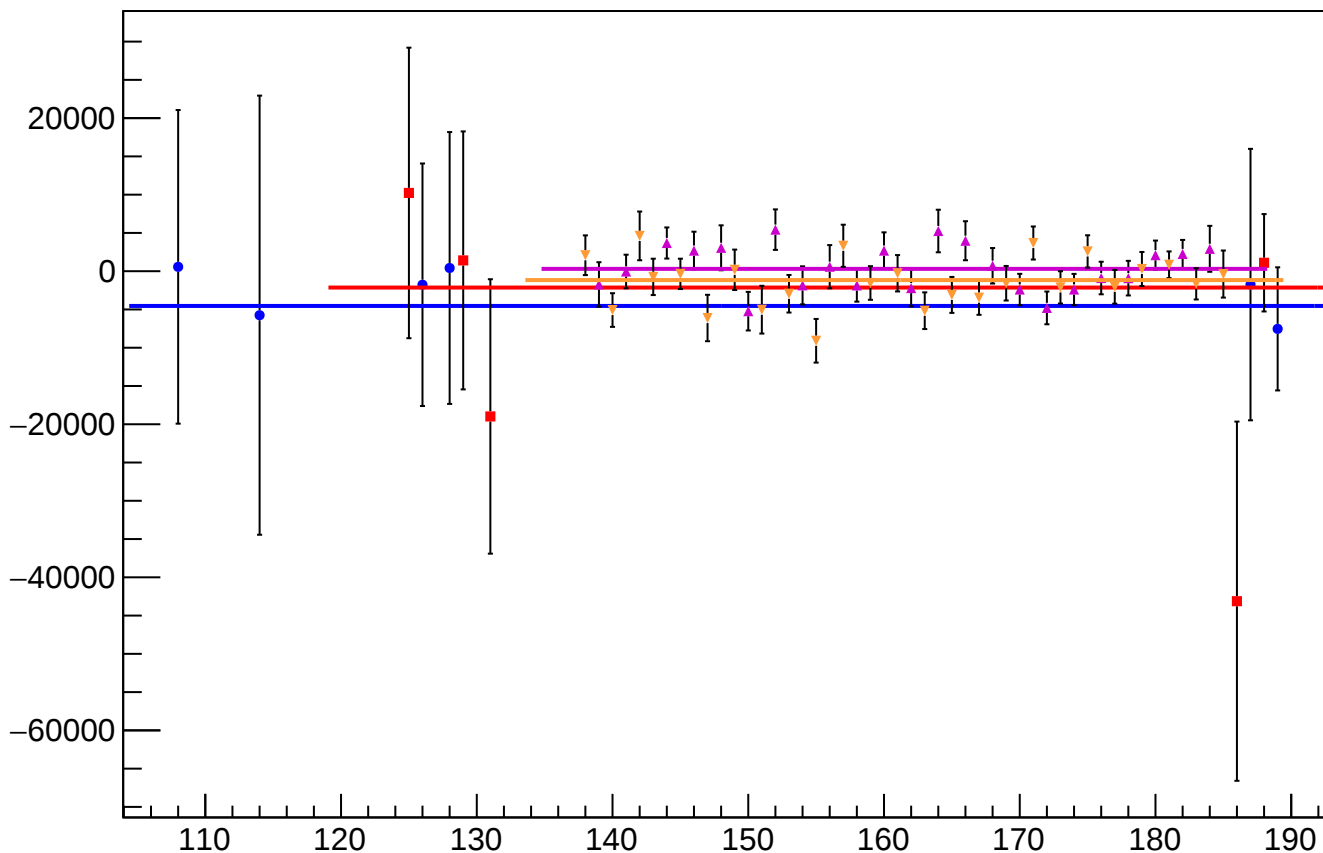
Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

+ sign 271.633+/-0.038 χ^2/NDF : 991886.6/43

All: 273.172+/-0.027 χ^2/NDF : 2509897.9/87

- sign 274.758+/-0.039 χ^2/NDF : 1514728.9/43

asym_sam2_correction_mean vs Slug



Right In: -4539.787 ± 5834.078 χ^2/NDF : 0.3/5

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -2137.393 ± 5275.469 χ^2/NDF : 4.7/4

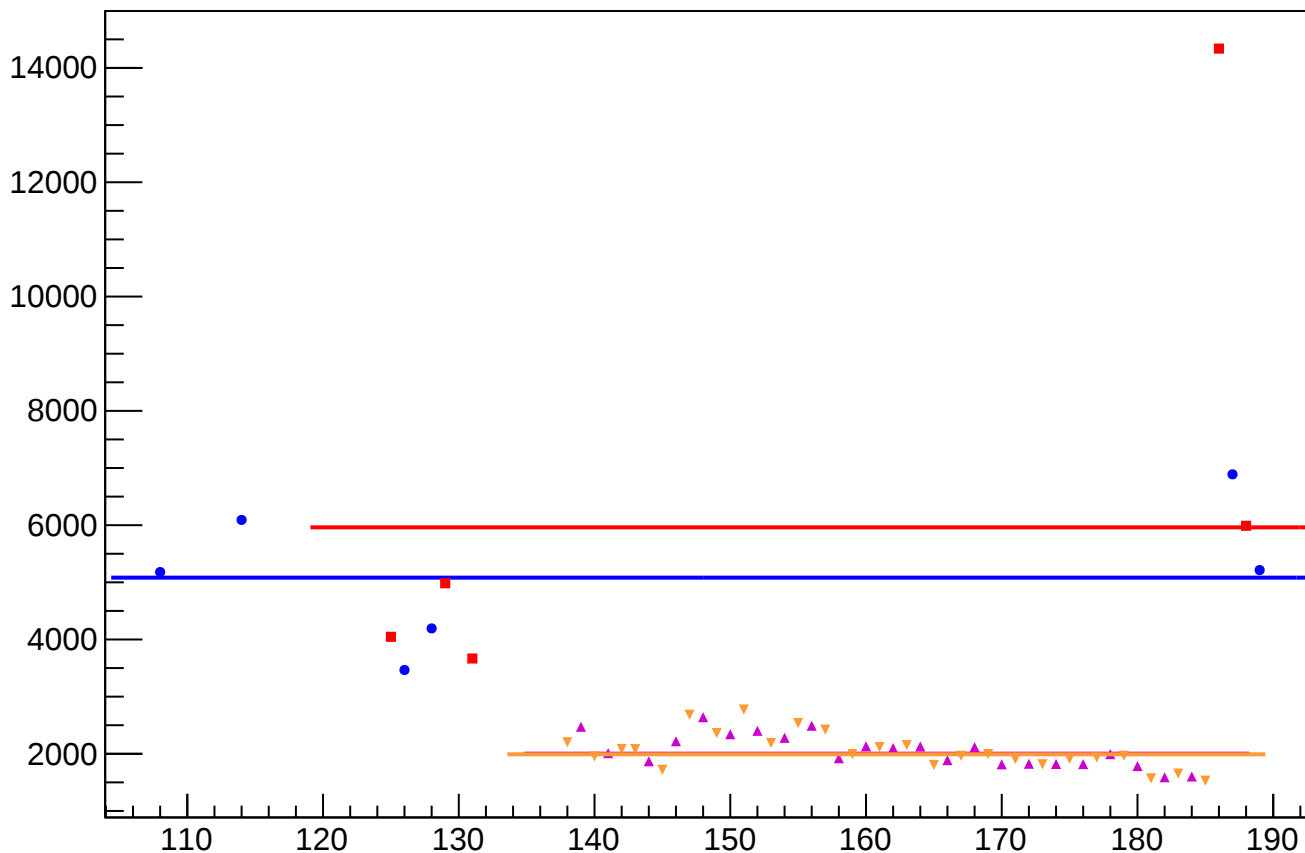
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1183.138 ± 467.528 χ^2/NDF : 39.4/30

All: -471.554 ± 335.510 χ^2/NDF : 84.4/58

- sign 284.003 ± 481.757 χ^2/NDF : 40.2/27

asym_sam2_correction_rms vs Slug



Right In: 5082.078+/-4.125 χ^2/NDF : 49639.0/5

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5961.901+/-3.730 χ^2/NDF : 314663.3/4

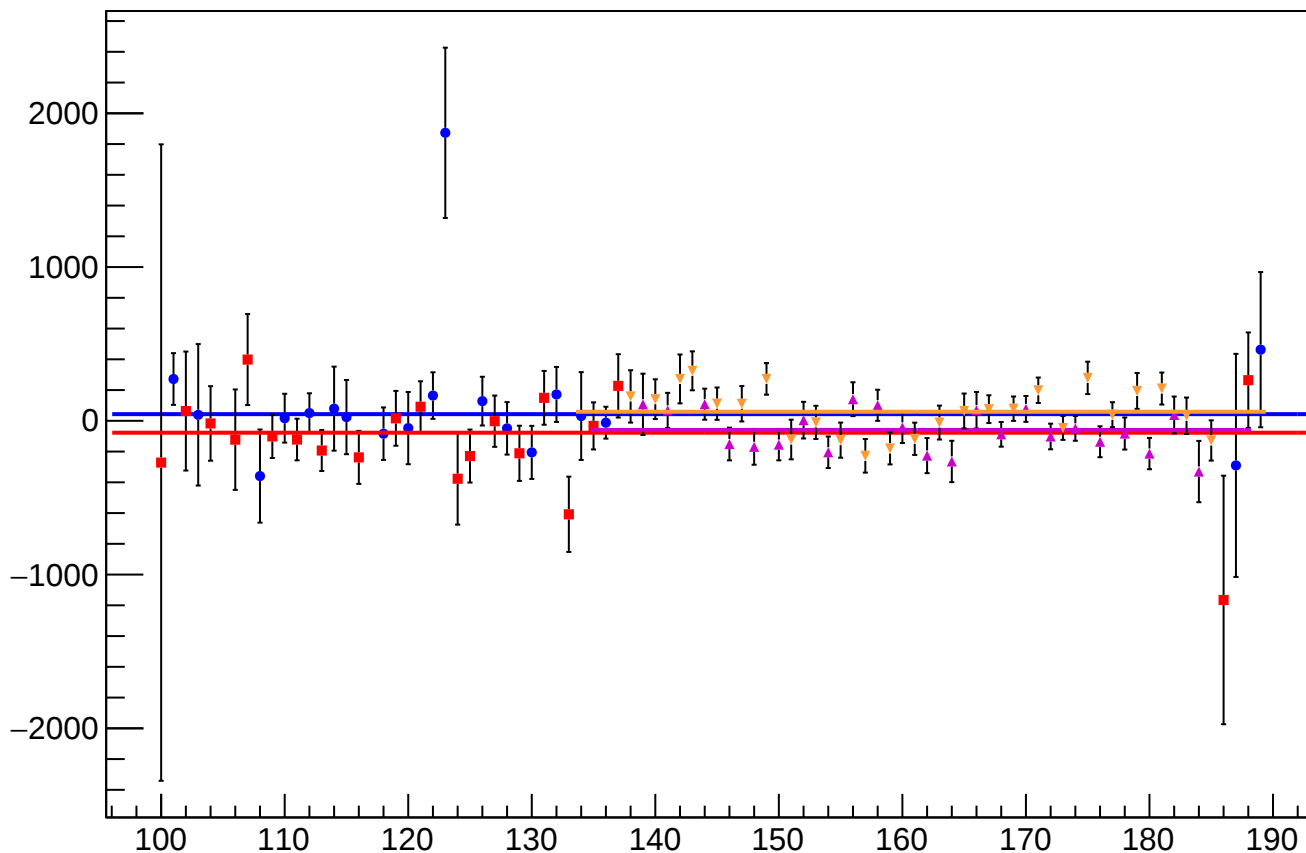
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2010.955+/-0.331 χ^2/NDF : 1333748.8/30

All: 2022.702+/-0.237 χ^2/NDF : 3354355.6/58

- sign 2035.176+/-0.341 χ^2/NDF : 2018003.4/27

reg_asym_sam3_mean vs Slug



Right In: 43.372 ± 43.393 χ^2/NDF : 20.3/18

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -77.293 ± 42.740 χ^2/NDF : 20.1/20

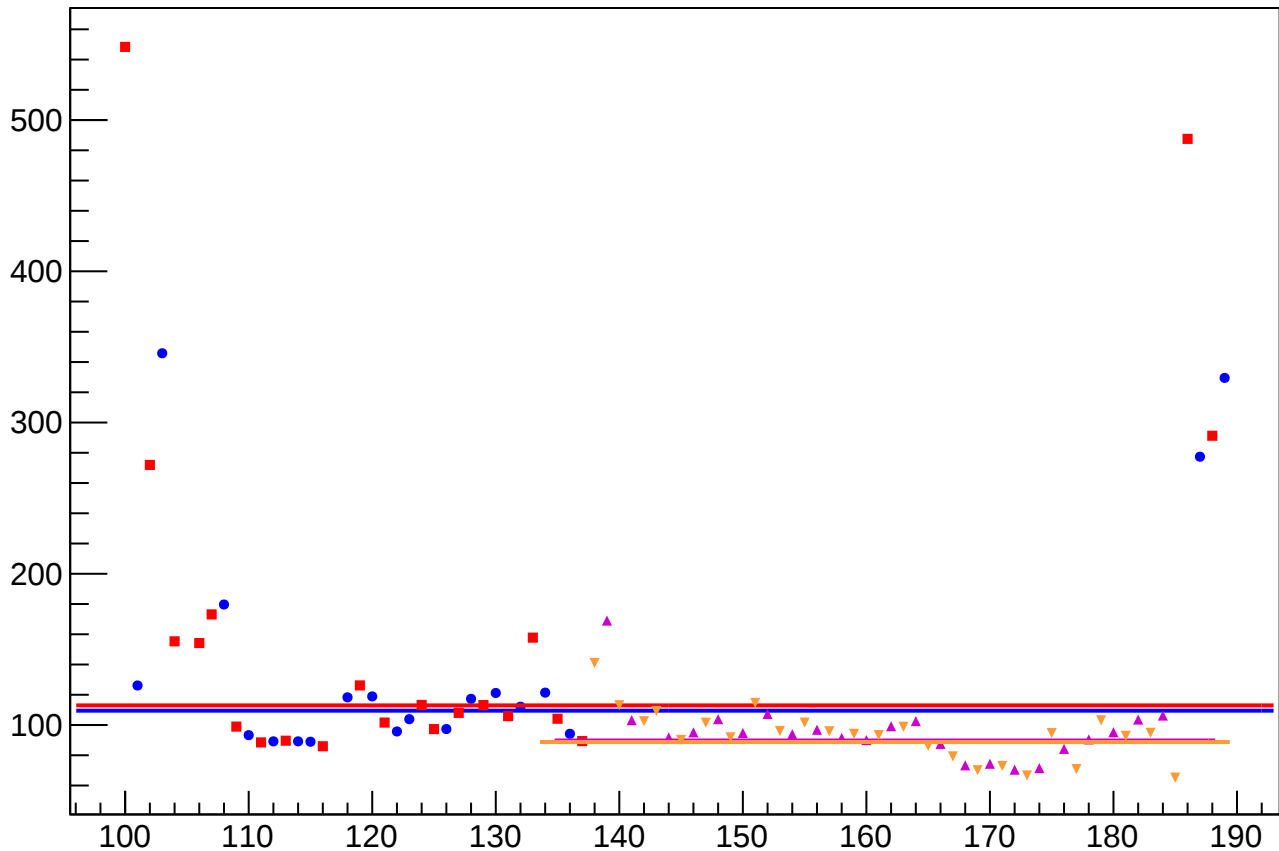
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 55.989 ± 19.003 χ^2/NDF : 67.3/43

All: -1.951 ± 13.611 χ^2/NDF : 136.0/87

- sign -62.996 ± 19.505 χ^2/NDF : 49.6/43

reg_asym_sam3_rms vs Slug



Right In: 109.483 $\pm$ 0.031 χ^2 /NDF: 1336088.9/18

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 112.973 $\pm$ 0.030 χ^2 /NDF: 2029053.7/20

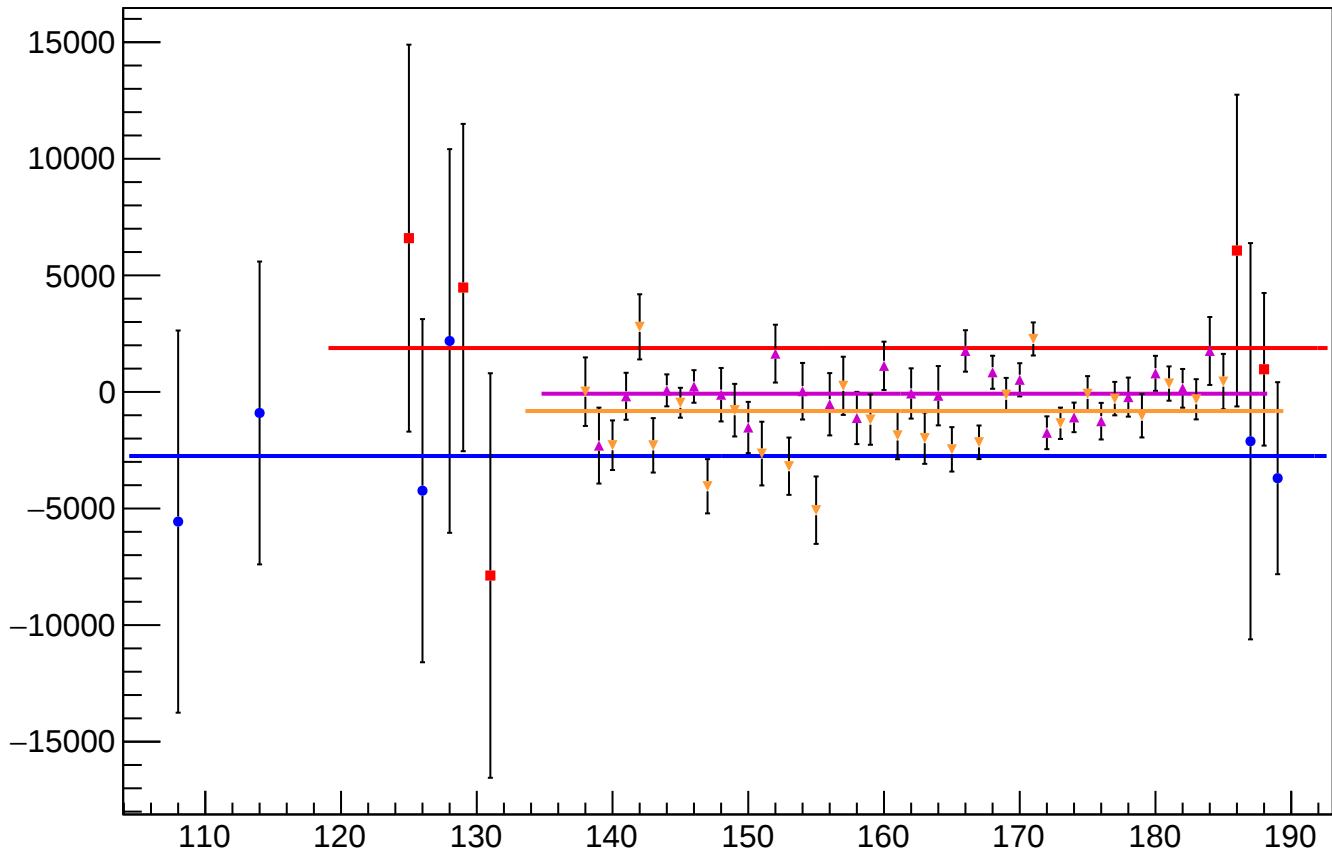
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 92.725 $\pm$ 0.013 χ^2 /NDF: 2784515.9/43

All: 93.638 $\pm$ 0.010 χ^2 /NDF: 6175750.3/87

- sign 94.599 $\pm$ 0.014 χ^2 /NDF: 3381755.8/43

asym_sam3_correction_mean vs Slug



Right In: -2748.005 ± 2629.321 χ^2/NDF : 0.7/5

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: 1882.597 ± 2470.583 χ^2/NDF : 2.2/4

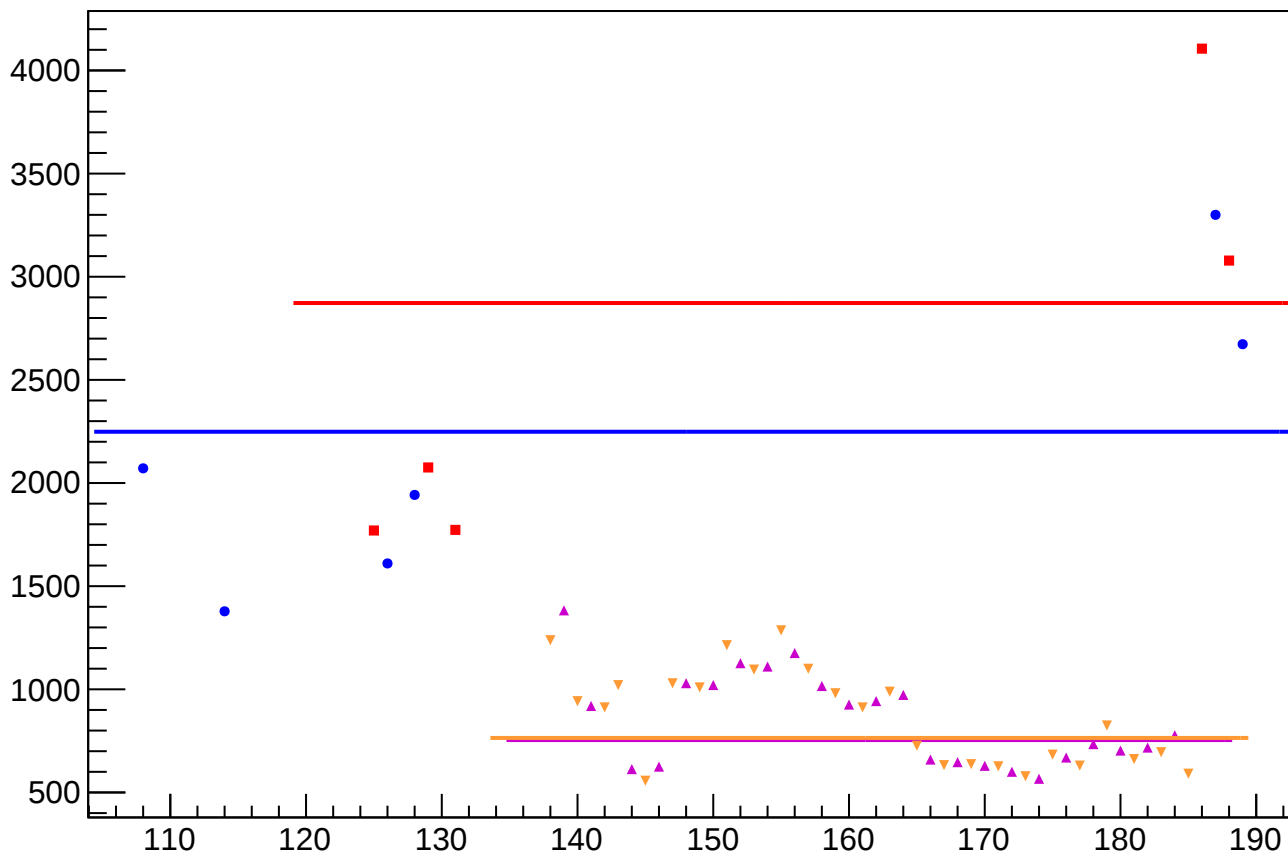
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -828.325 ± 184.012 χ^2/NDF : 69.4/30

All: -451.054 ± 130.855 χ^2/NDF : 109.0/58

- sign -65.087 ± 186.120 χ^2/NDF : 31.1/27

asym_sam3_correction_rms vs Slug



Right In: 2248.591+/-1.859 χ^2/NDF : 106546.6/5

Left Out: 764.280+/-0.130 χ^2/NDF : 2315985.8/24

Right Out: 2872.582+/-1.747 χ^2/NDF : 169190.1/4

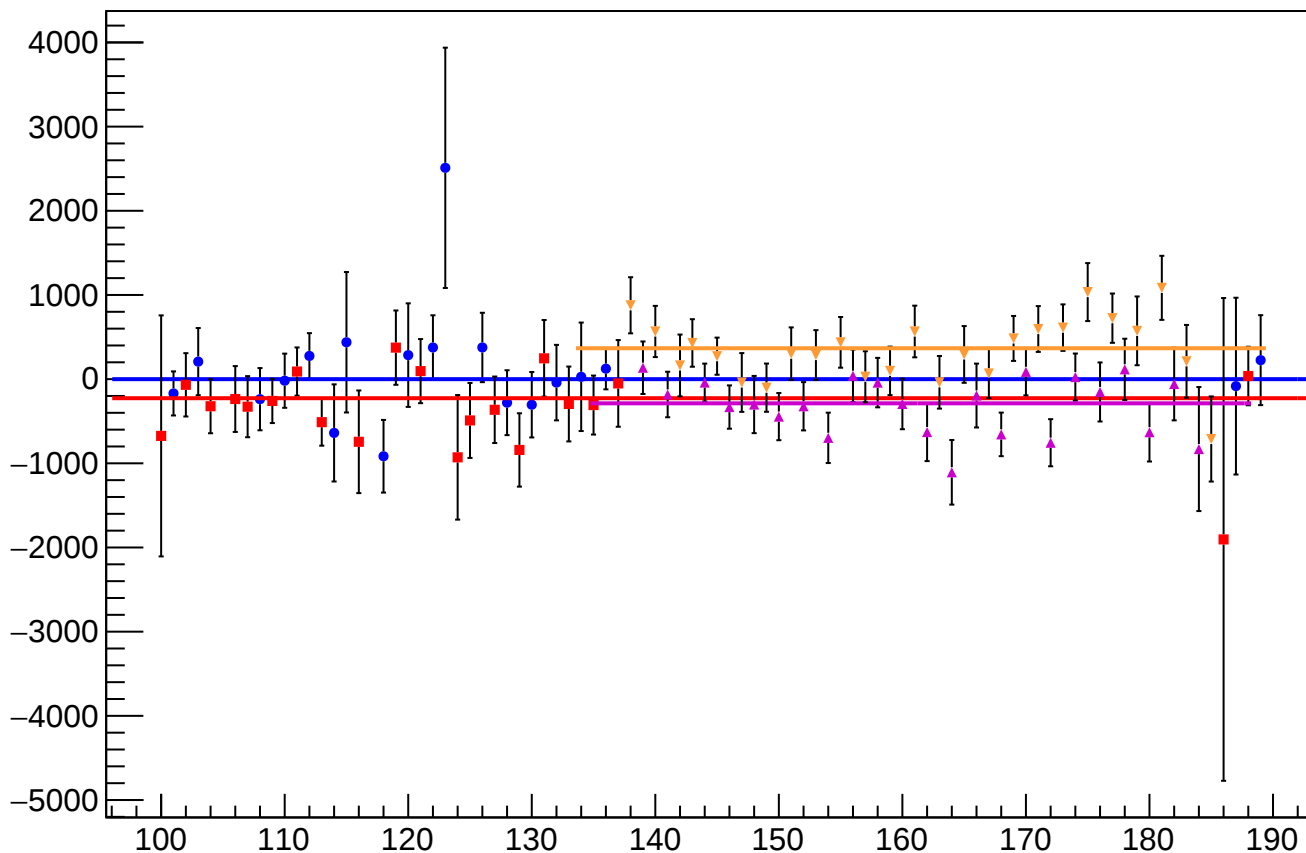
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 771.549+/-0.130 χ^2/NDF : 3056781.8/30

All: 768.831+/-0.093 χ^2/NDF : 6702549.2/58

- sign 766.050+/-0.132 χ^2/NDF : 3644884.4/27

reg_asym_sam4_mean vs Slug



Right In: -0.242 ± 91.712 χ^2/NDF : 14.9/18

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -226.552 ± 86.281 χ^2/NDF : 11.6/20

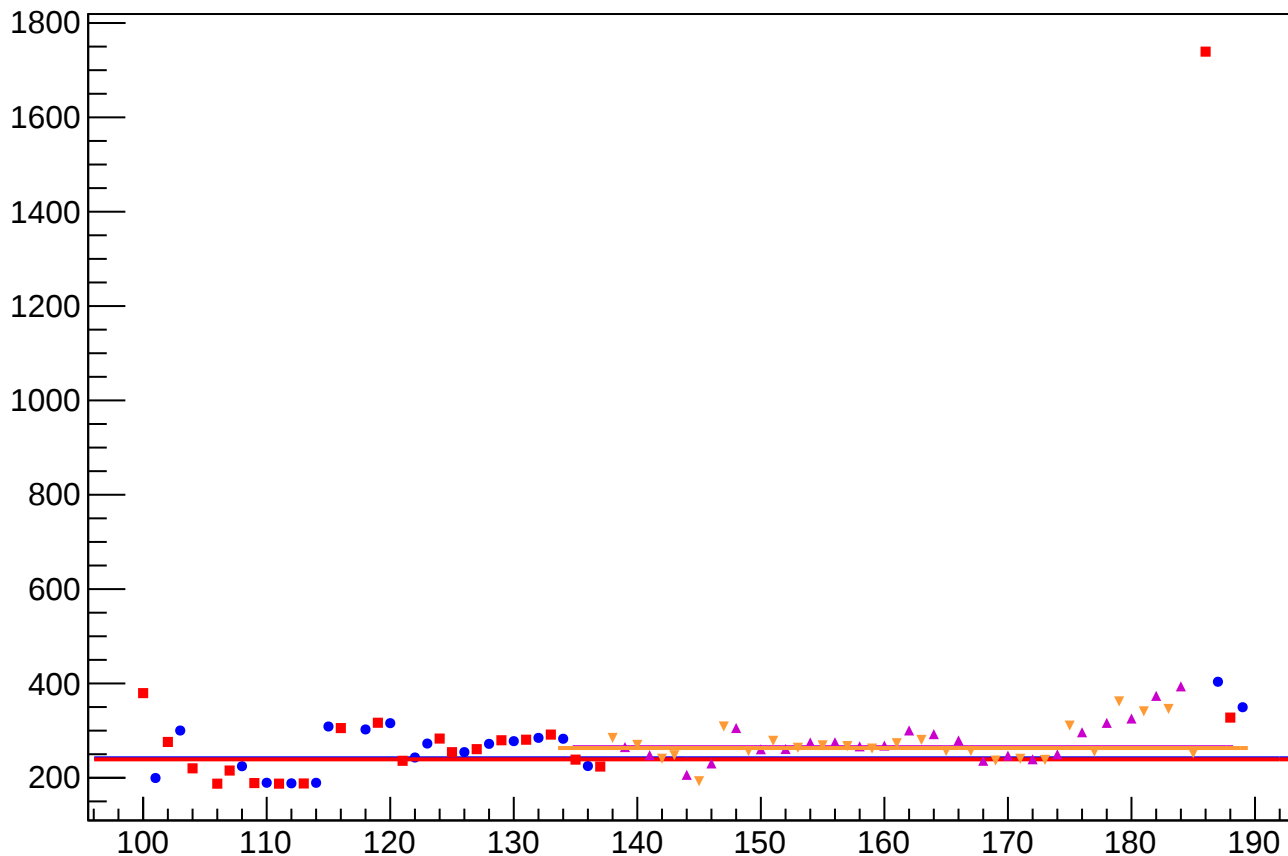
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 251.972 ± 51.332 χ^2/NDF : 54.1/43

All: -6.113 ± 36.348 χ^2/NDF : 140.6/87

- sign -265.643 ± 51.475 χ^2/NDF : 35.8/43

reg_asym_sam4_rms vs Slug



Right In: 241.348 $\pm$ 0.065 χ^2 /NDF: 524742.0/18

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 239.113 $\pm$ 0.061 χ^2 /NDF: 1135368.3/20

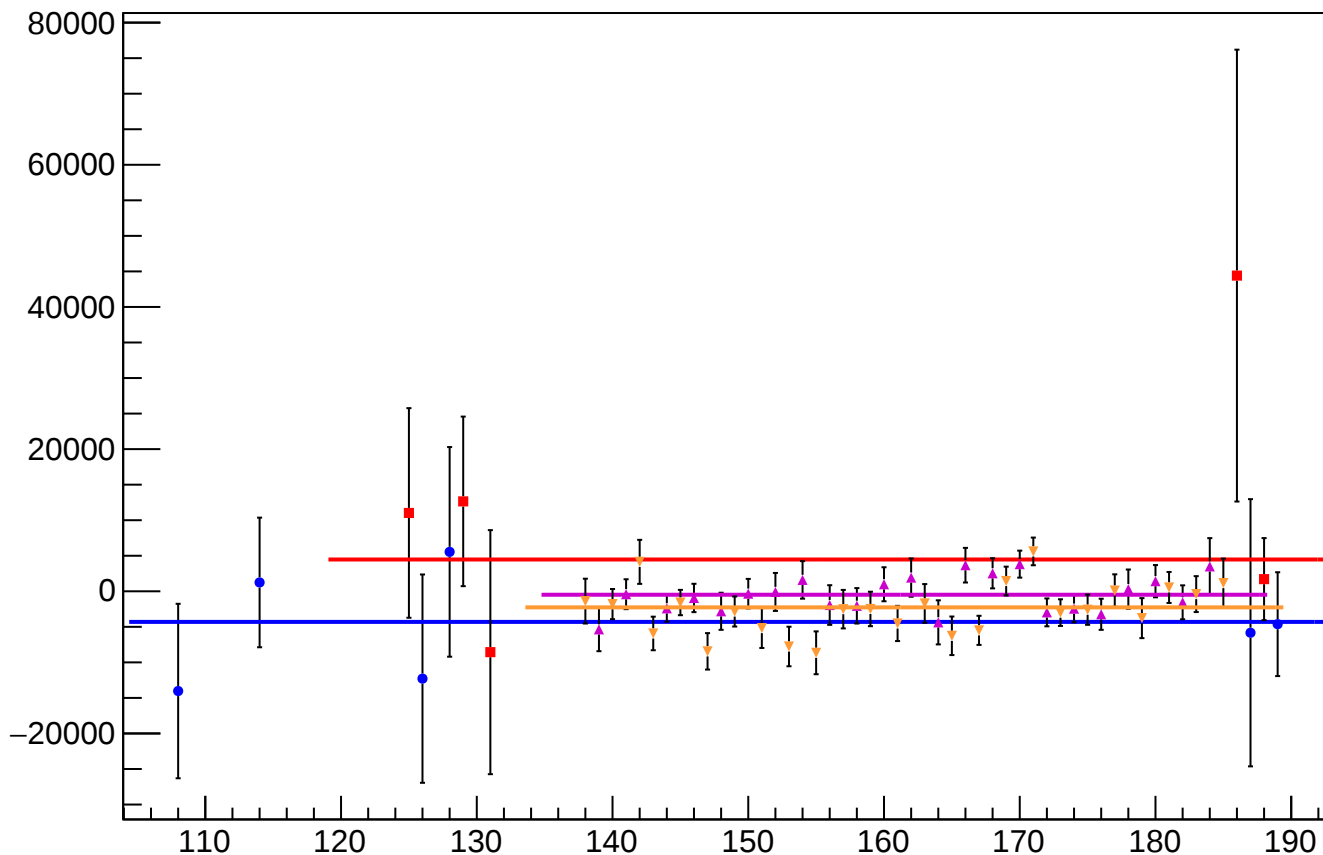
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 256.288 $\pm$ 0.036 χ^2 /NDF: 1244251.0/43

All: 256.013 $\pm$ 0.026 χ^2 /NDF: 3104031.7/87

- sign 255.736 $\pm$ 0.036 χ^2 /NDF: 1859665.7/43

asym_sam4_correction_mean vs Slug



Right In: -4305.651 ± 4494.661 χ^2/NDF : 1.7/5

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: 4472.510 ± 4661.252 χ^2/NDF : 3.1/4

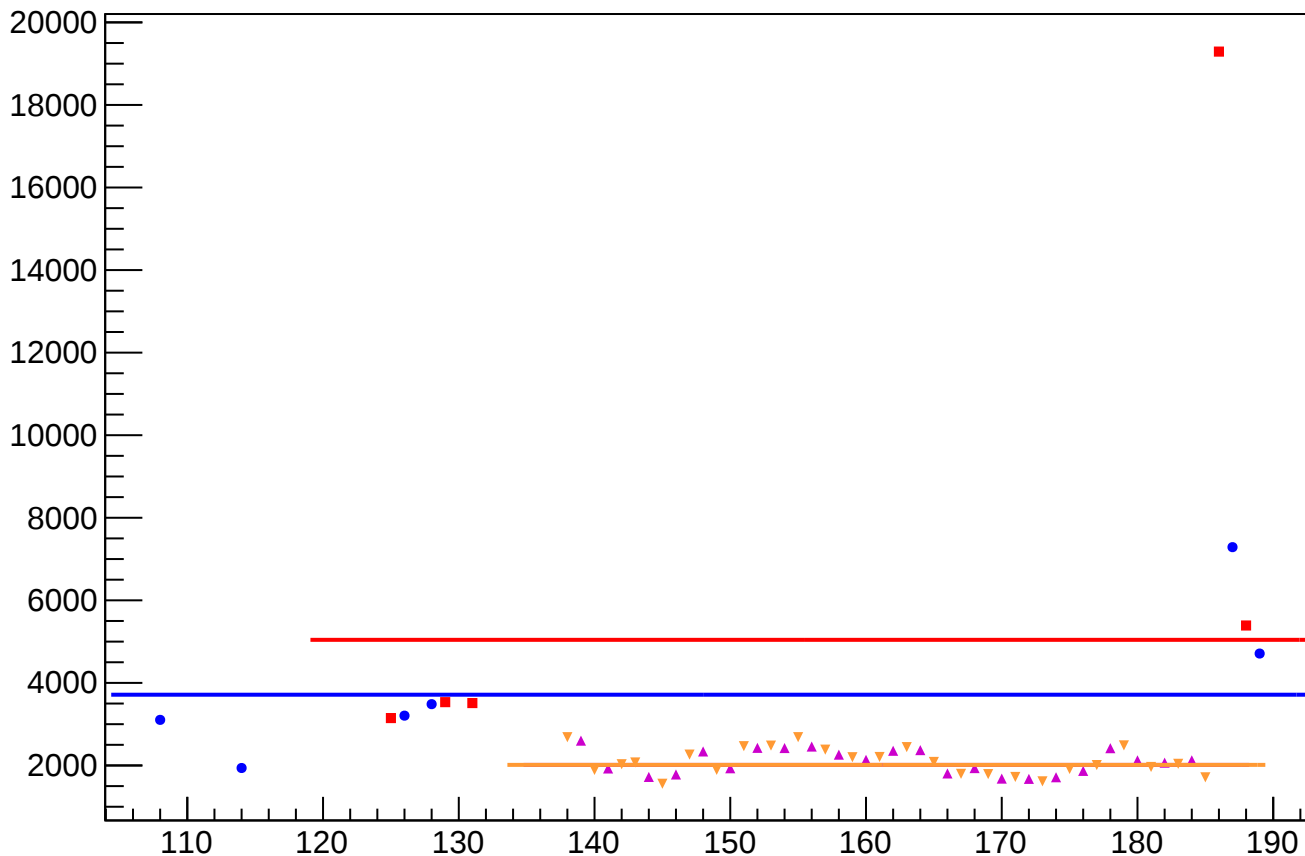
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2282.820 ± 472.700 χ^2/NDF : 54.3/30

All: -1380.814 ± 338.453 χ^2/NDF : 90.7/58

- sign -431.952 ± 484.821 χ^2/NDF : 28.9/27

asym_sam4_correction_rms vs Slug



Right In: 3713.848+/-3.178 χ^2/NDF : 193206.0/5

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 5043.137+/-3.296 χ^2/NDF : 490223.7/4

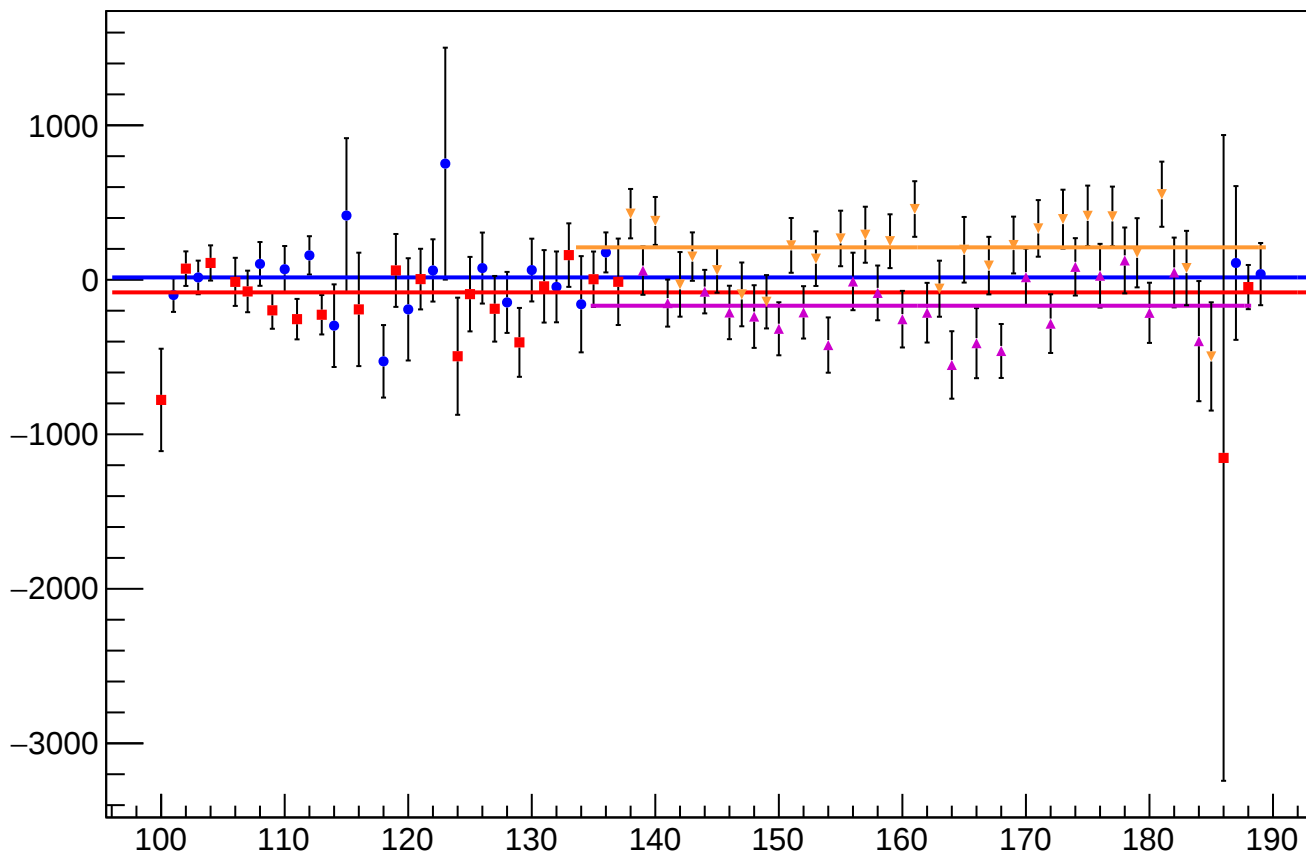
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2032.906+/-0.334 χ^2/NDF : 1311723.0/30

All: 2039.299+/-0.239 χ^2/NDF : 3300676.4/56

- sign 2046.024+/-0.343 χ^2/NDF : 1988202.8/27

reg_asym_sam5_mean vs Slug



Right In: 15.478 ± 41.313 χ^2/NDF : 14.5/18

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -81.457 ± 37.653 χ^2/NDF : 19.5/20

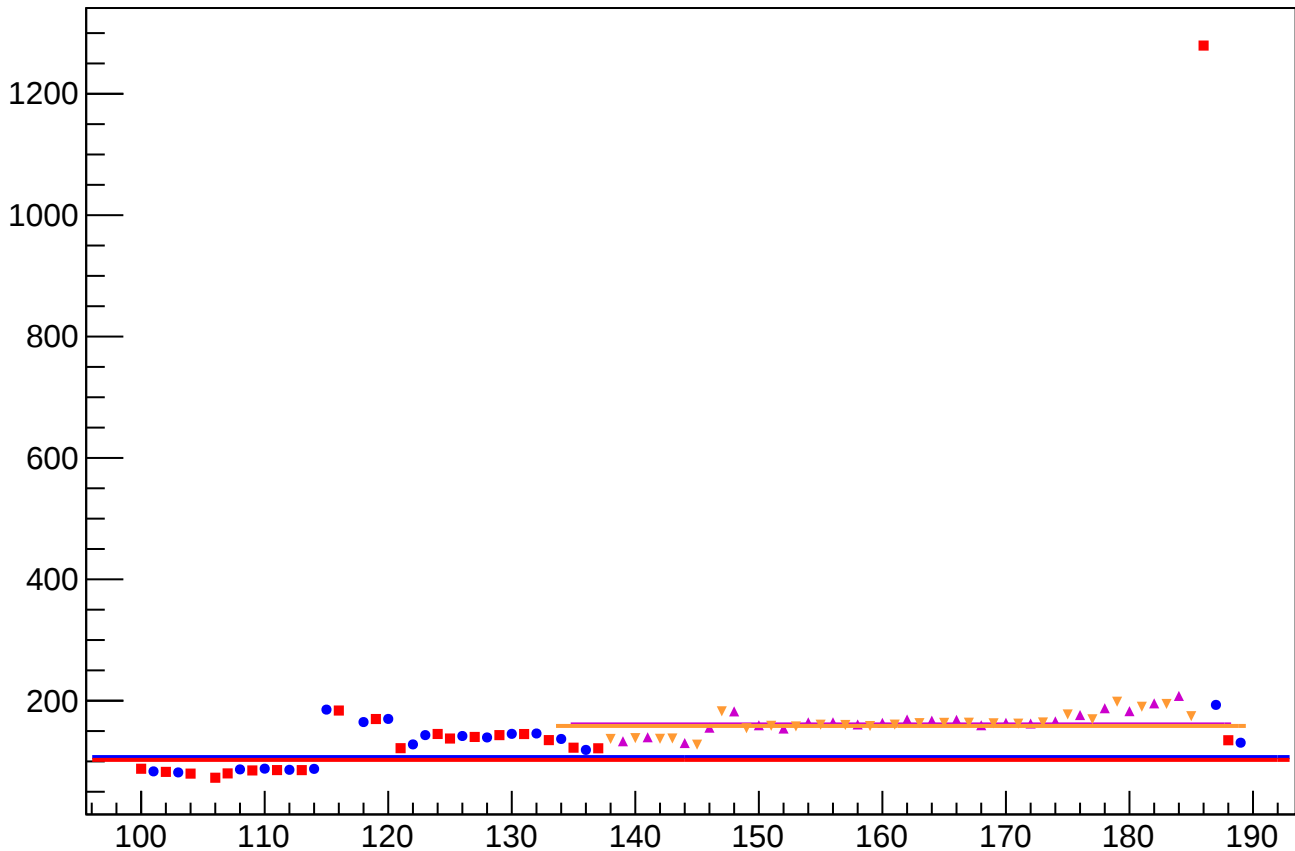
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 123.224 ± 27.601 χ^2/NDF : 54.3/43

All: -2.849 ± 19.298 χ^2/NDF : 138.3/87

- sign -123.436 ± 26.993 χ^2/NDF : 43.2/43

reg_asym_sam5_rms vs Slug



Right In: 107.142 $\pm$ 0.029 χ^2 /NDF: 960808.7/18

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 102.517 $\pm$ 0.027 χ^2 /NDF: 1747972.3/20

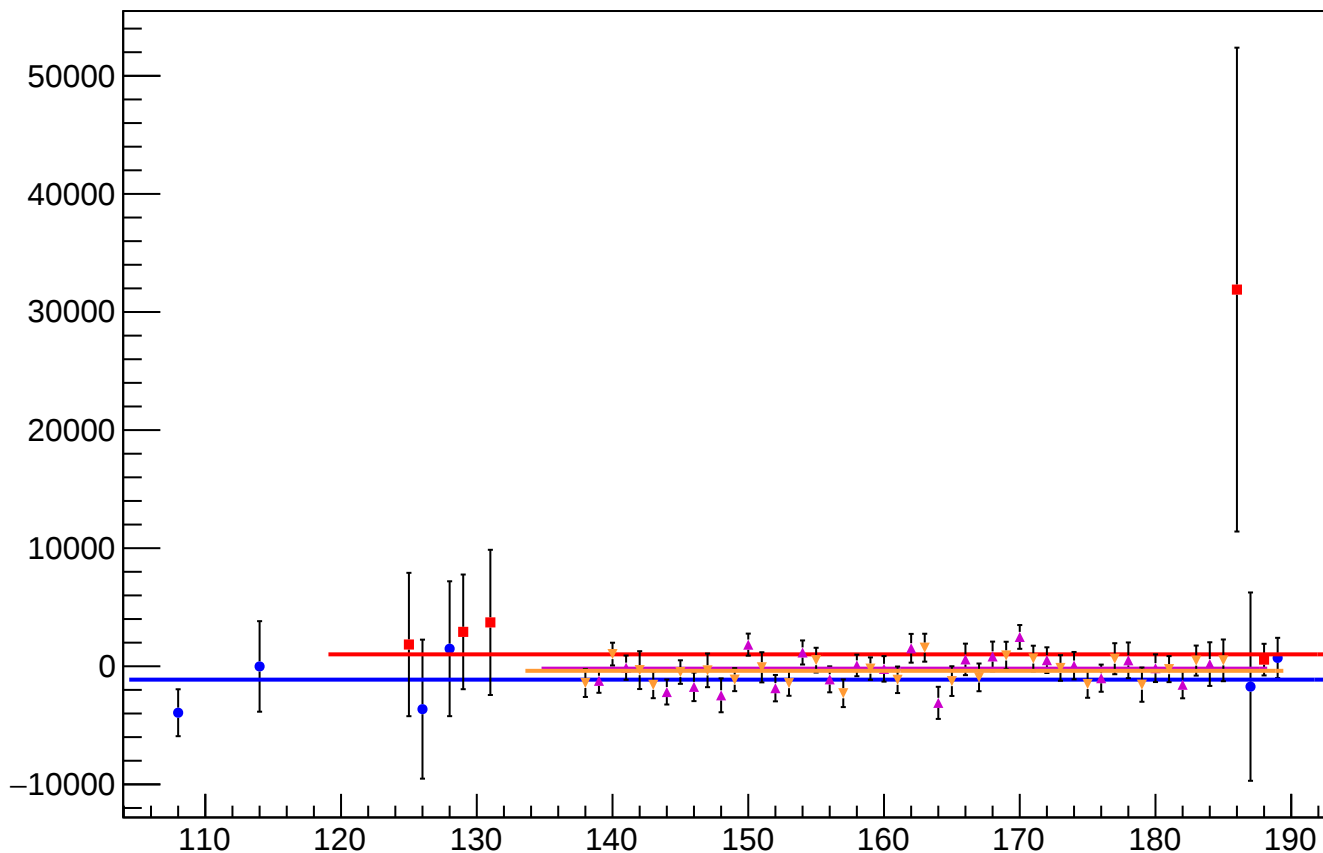
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.544 $\pm$ 0.020 χ^2 /NDF: 3102398.9/43

All: 133.179 $\pm$ 0.014 χ^2 /NDF: 7599804.0/87

- sign 130.917 $\pm$ 0.019 χ^2 /NDF: 4468685.3/43

asym_sam5_correction_mean vs Slug



Right In: -1132.146 ± 1161.075 χ^2/NDF : 3.6/5

Left Out: -385.018 ± 231.833 χ^2/NDF : 18.1/24

Right Out: 1009.485 ± 1234.156 χ^2/NDF : 2.8/4

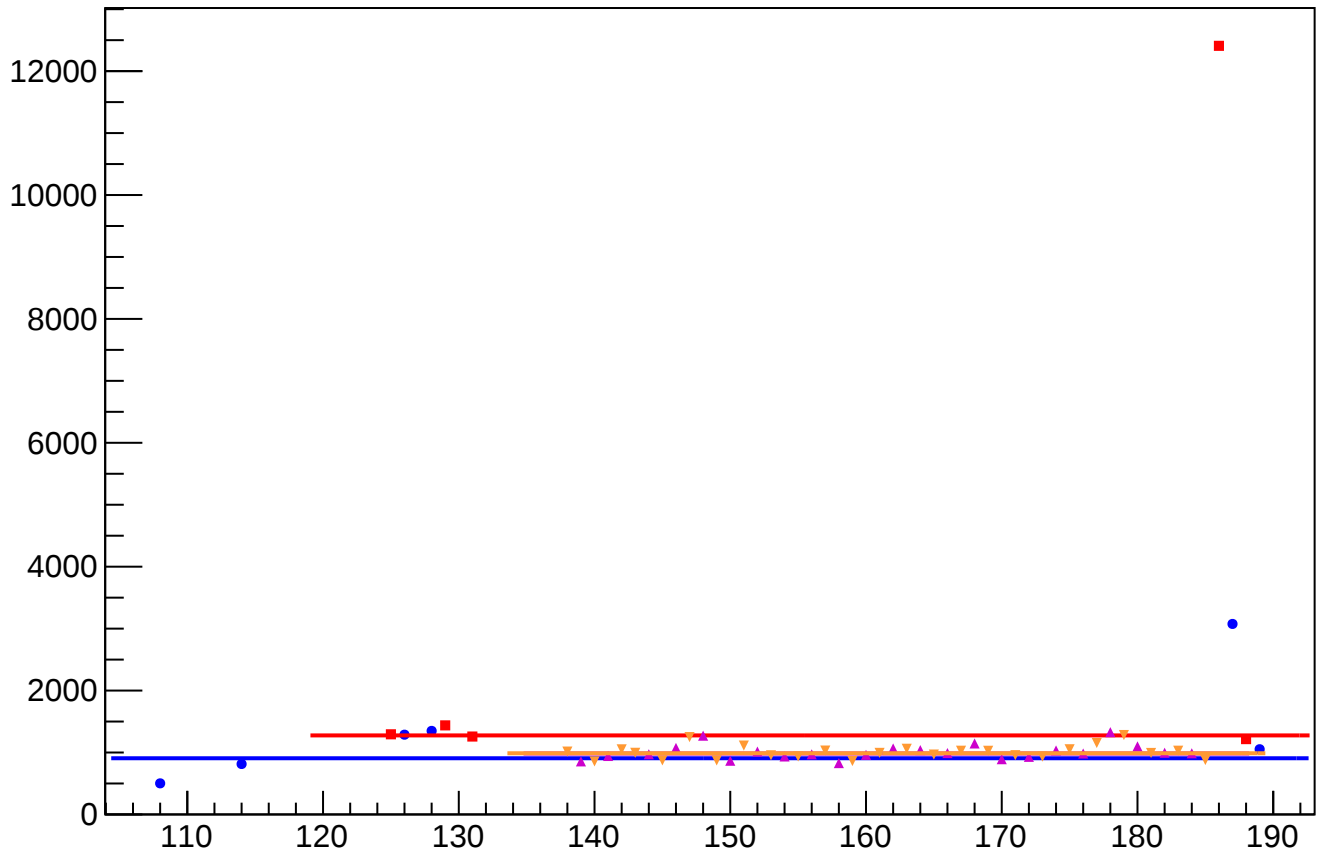
Left In: -202.234 ± 237.460 χ^2/NDF : 35.5/22

+ sign -413.663 ± 227.346 χ^2/NDF : 22.1/30

All: -289.548 ± 162.782 χ^2/NDF : 61.9/58

- sign -158.977 ± 233.183 χ^2/NDF : 39.2/27

asym_sam5_correction_rms vs Slug



Right In: 907.313+/-0.821 χ^2/NDF : 267239.8/5

Left Out: 987.869+/-0.164 χ^2/NDF : 376958.5/24

Right Out: 1276.085+/-0.873 χ^2/NDF : 596788.3/4

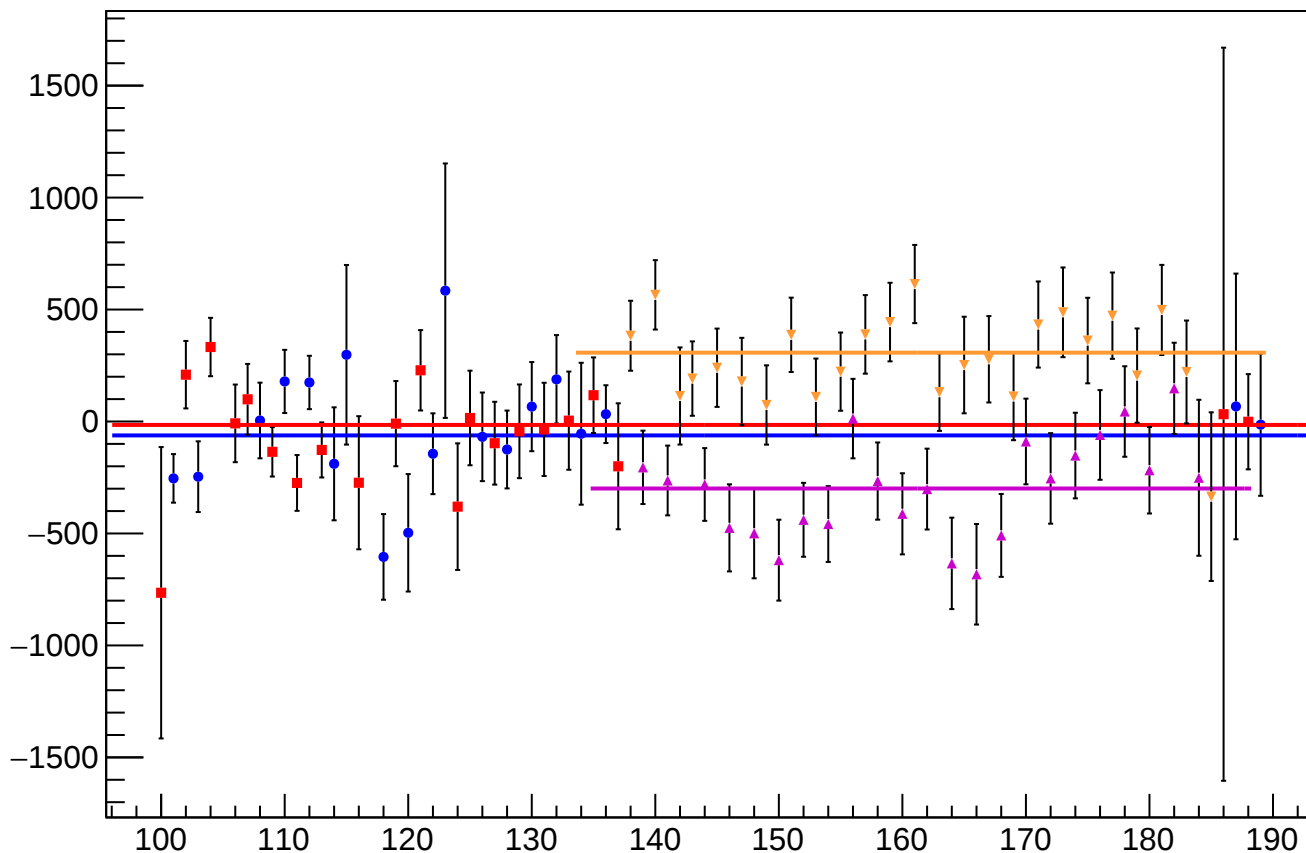
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 984.780+/-0.161 χ^2/NDF : 653456.4/30

All: 989.431+/-0.115 χ^2/NDF : 1776331.0/58

- sign 994.324+/-0.165 χ^2/NDF : 1121157.0/27

reg_asym_sam6_mean vs Slug



Right In: -62.115 ± 41.861 $\chi^2/\text{NDF}: 27.6/18$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: -15.336 ± 38.855 $\chi^2/\text{NDF}: 23.1/20$

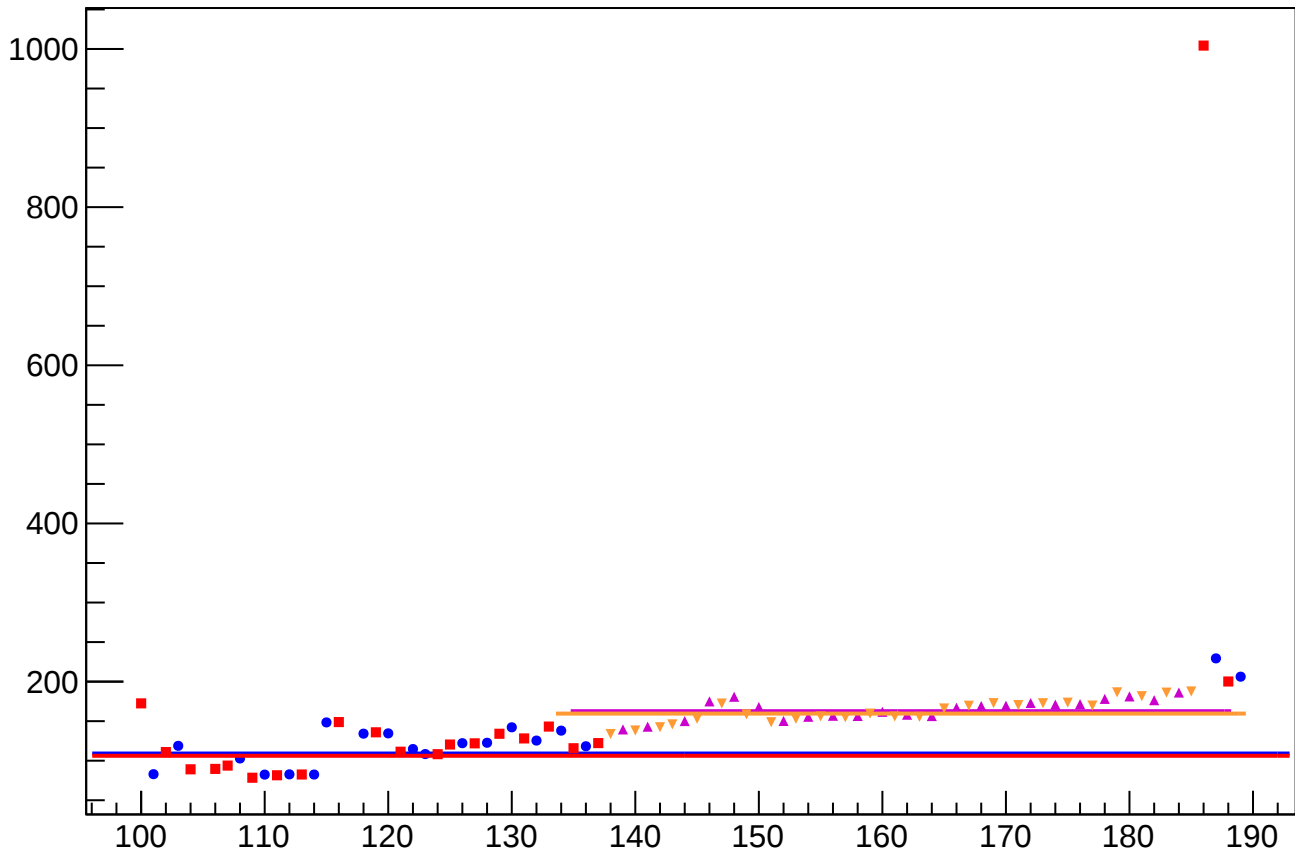
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 144.019 ± 27.839 $\chi^2/\text{NDF}: 91.8/43$

All: -8.027 ± 19.575 $\chi^2/\text{NDF}: 229.0/87$

- sign -156.702 ± 27.529 $\chi^2/\text{NDF}: 78.2/43$

reg_asym_sam6_rms vs Slug



Right In: 109.071 $\pm$ 0.030 χ^2 /NDF: 778566.0/18

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 106.223 $\pm$ 0.027 χ^2 /NDF: 1601544.7/20

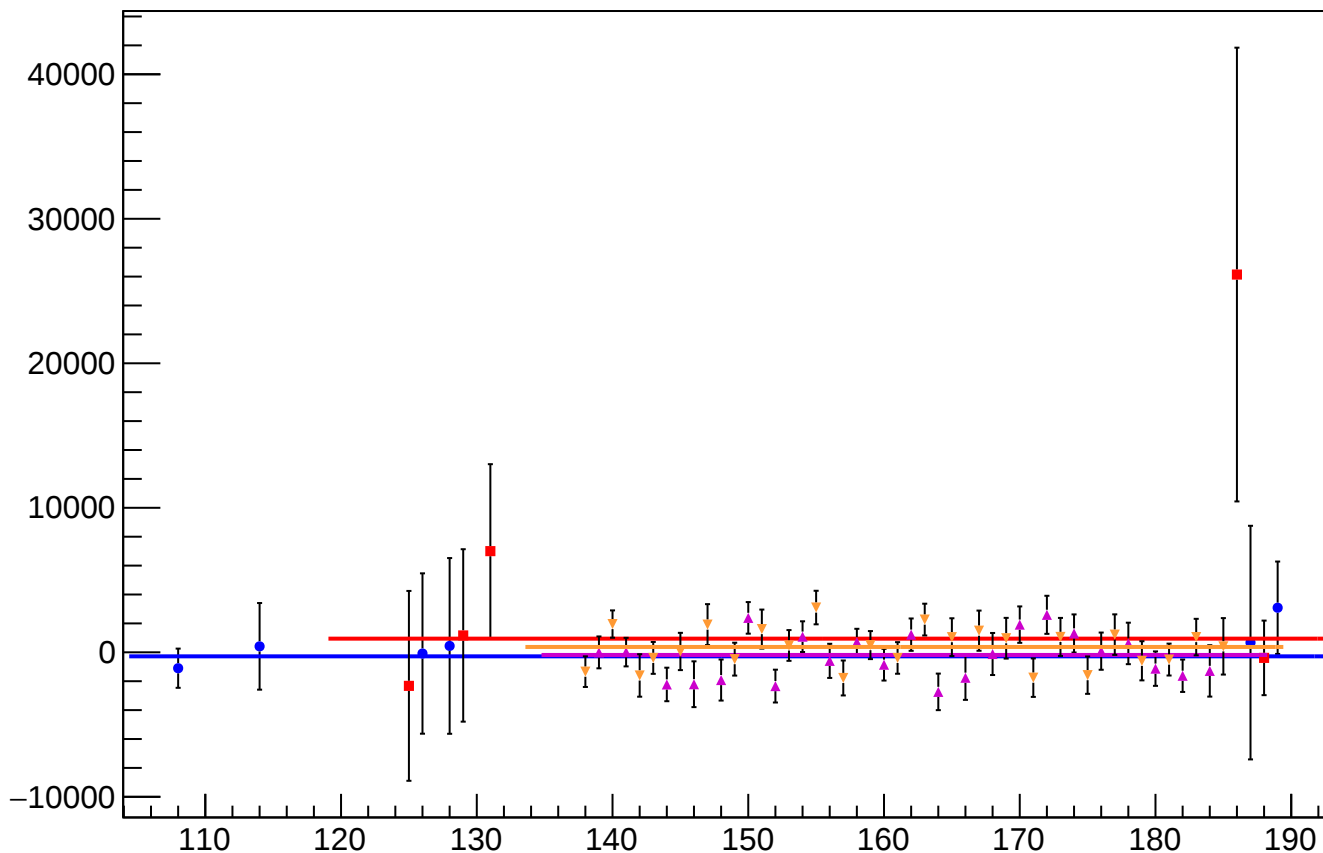
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 137.234 $\pm$ 0.020 χ^2 /NDF: 2689484.6/43

All: 135.752 $\pm$ 0.014 χ^2 /NDF: 6599250.5/87

- sign 134.303 $\pm$ 0.019 χ^2 /NDF: 3898552.7/43

asym_sam6_correction_mean vs Slug



Right In: -278.910 ± 1099.441 χ^2/NDF : 1.6/5

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: 945.411 ± 2070.876 χ^2/NDF : 4.1/4

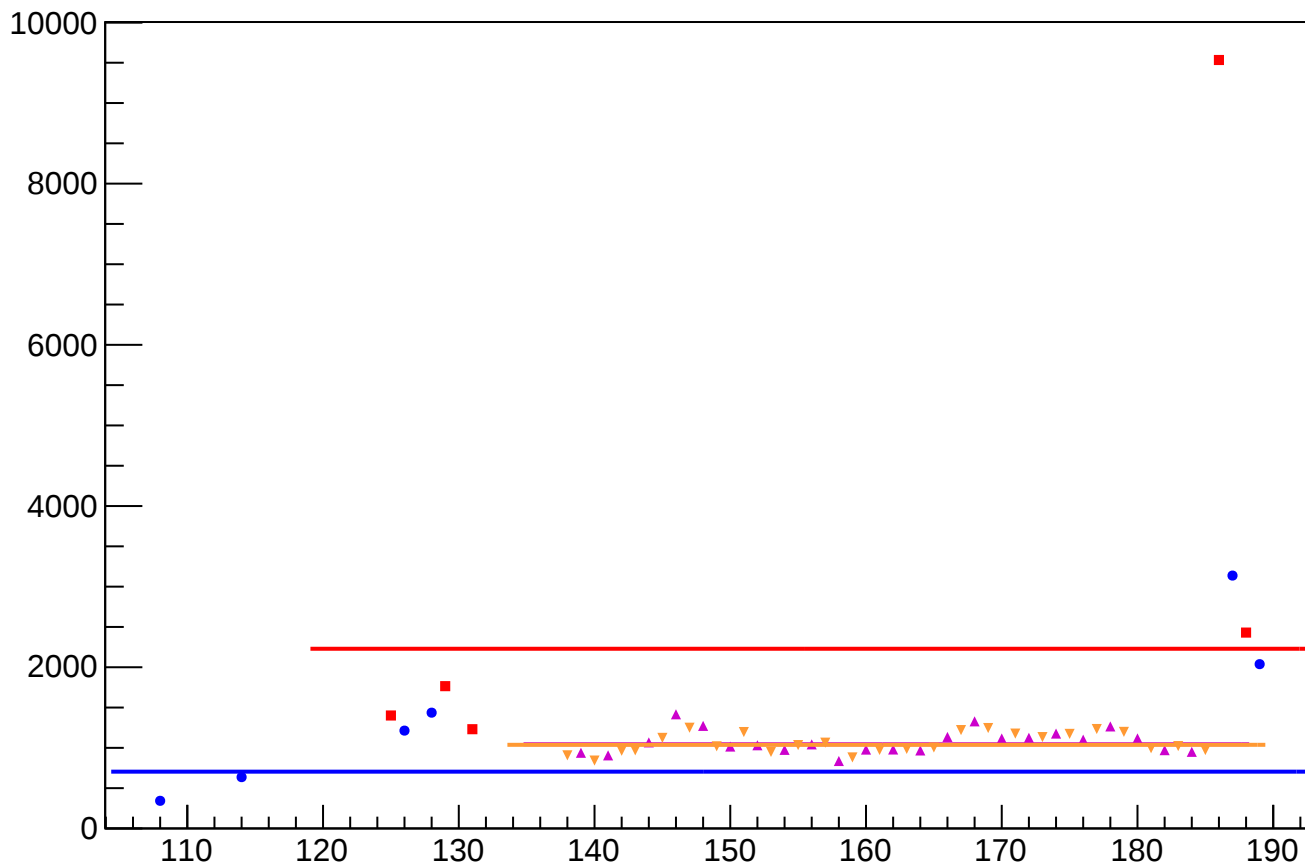
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 339.654 ± 237.758 χ^2/NDF : 32.4/30

All: 99.633 ± 172.419 χ^2/NDF : 75.4/58

- sign -166.607 ± 250.407 χ^2/NDF : 40.9/27

asym_sam6_correction_rms vs Slug



Right In: 704.653 $\pm$ 0.777 χ^2/NDF : 718254.4/5

Left Out: 1037.689 $\pm$ 0.172 χ^2/NDF : 494981.4/24

Right Out: 2229.372 $\pm$ 1.464 χ^2/NDF : 543873.9/4

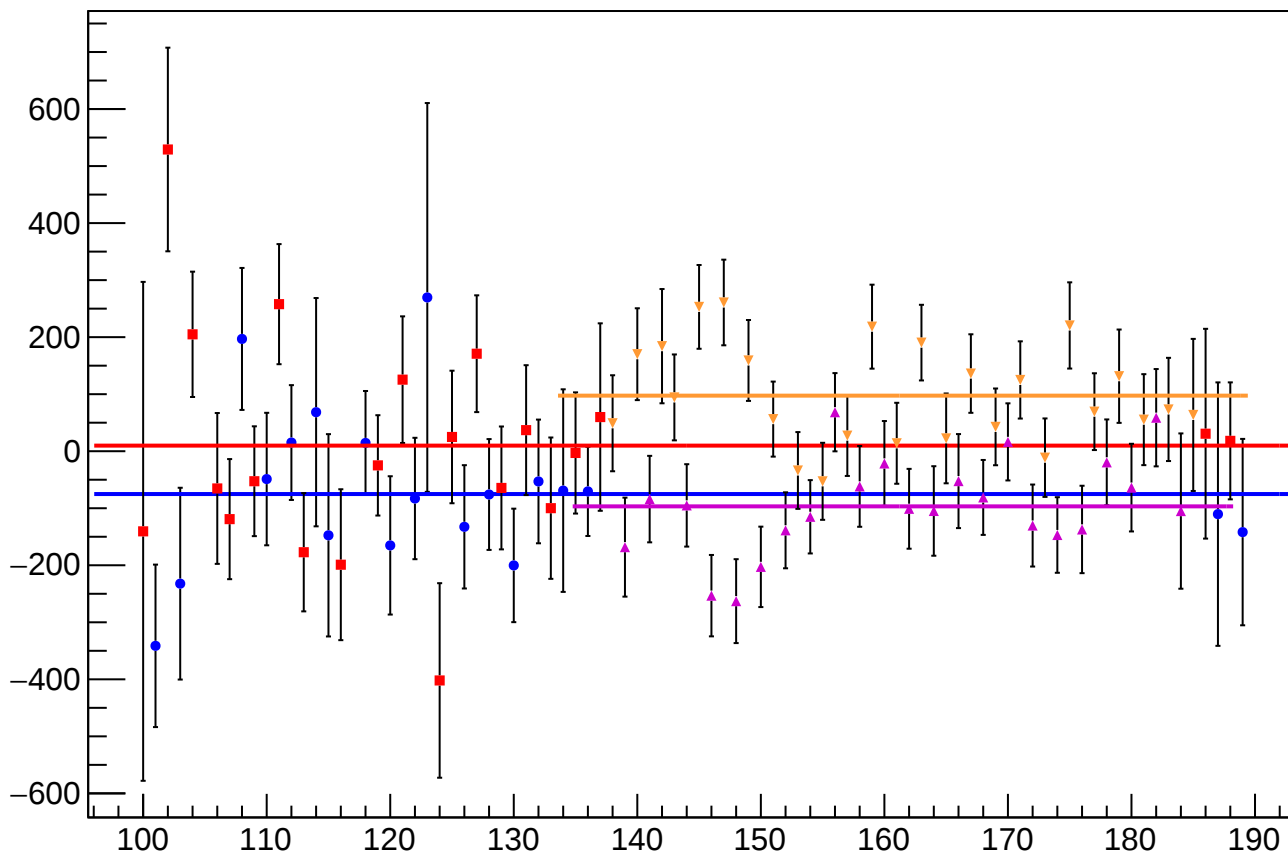
Left In: 1044.746 $\pm$ 0.178 χ^2/NDF : 543315.5/22

+ sign 1022.115 $\pm$ 0.168 χ^2/NDF : 1388167.2/30

All: 1041.056 $\pm$ 0.122 χ^2/NDF : 3147023.4/58

- sign 1062.066 $\pm$ 0.177 χ^2/NDF : 1732082.5/27

reg_asym_sam7_mean vs Slug



Right In: -75.101 ± 27.810 $\chi^2/\text{NDF}: 15.3/18$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 9.810 ± 25.754 $\chi^2/\text{NDF}: 36.3/20$

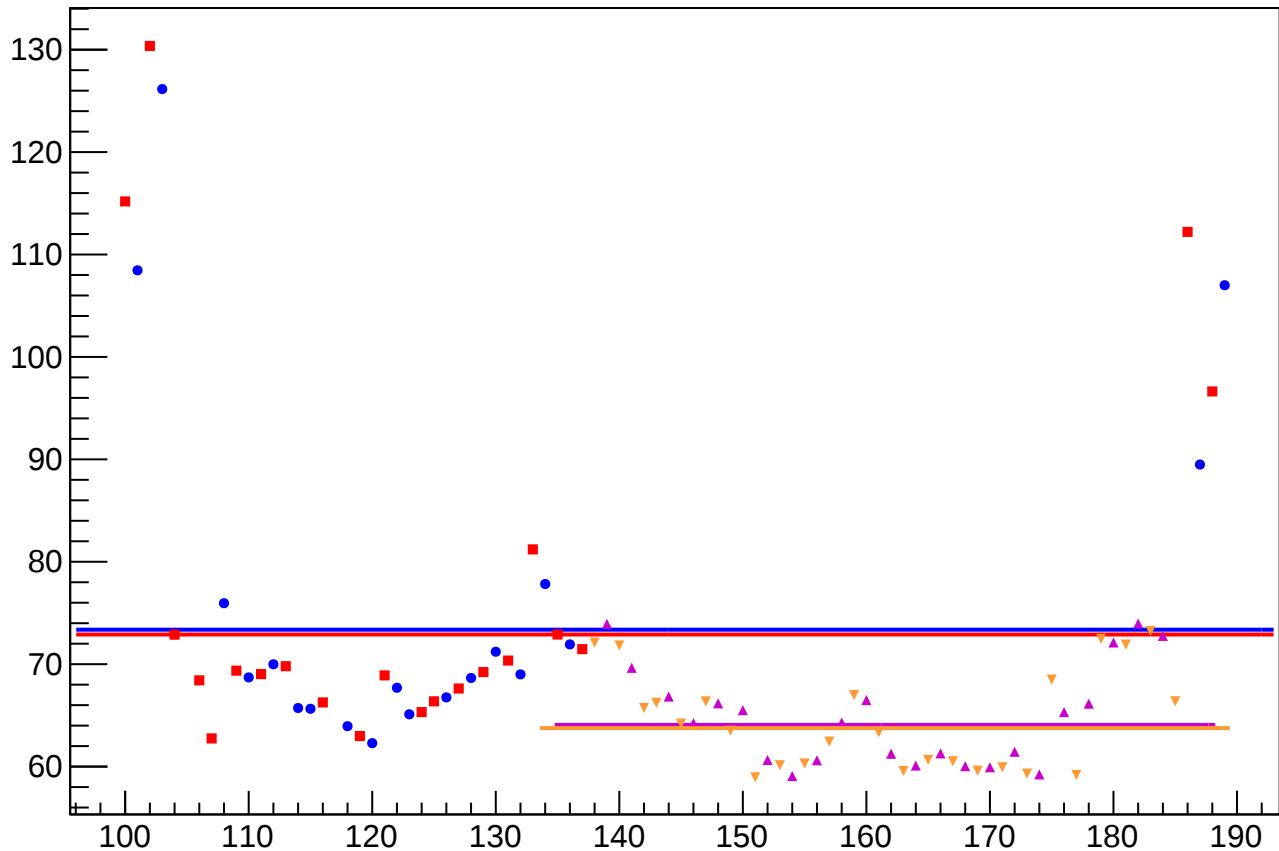
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 59.042 ± 13.120 $\chi^2/\text{NDF}: 81.3/43$

All: -4.466 ± 9.305 $\chi^2/\text{NDF}: 206.5/87$

- sign -68.732 ± 13.198 $\chi^2/\text{NDF}: 78.1/43$

reg_asym_sam7_rms vs Slug



Right In: 73.369+/-0.020 χ^2/NDF : 489168.8/18

Left Out: 63.761+/-0.011 χ^2/NDF : 192803.8/24

Right Out: 72.896+/-0.018 χ^2/NDF : 513444.3/20

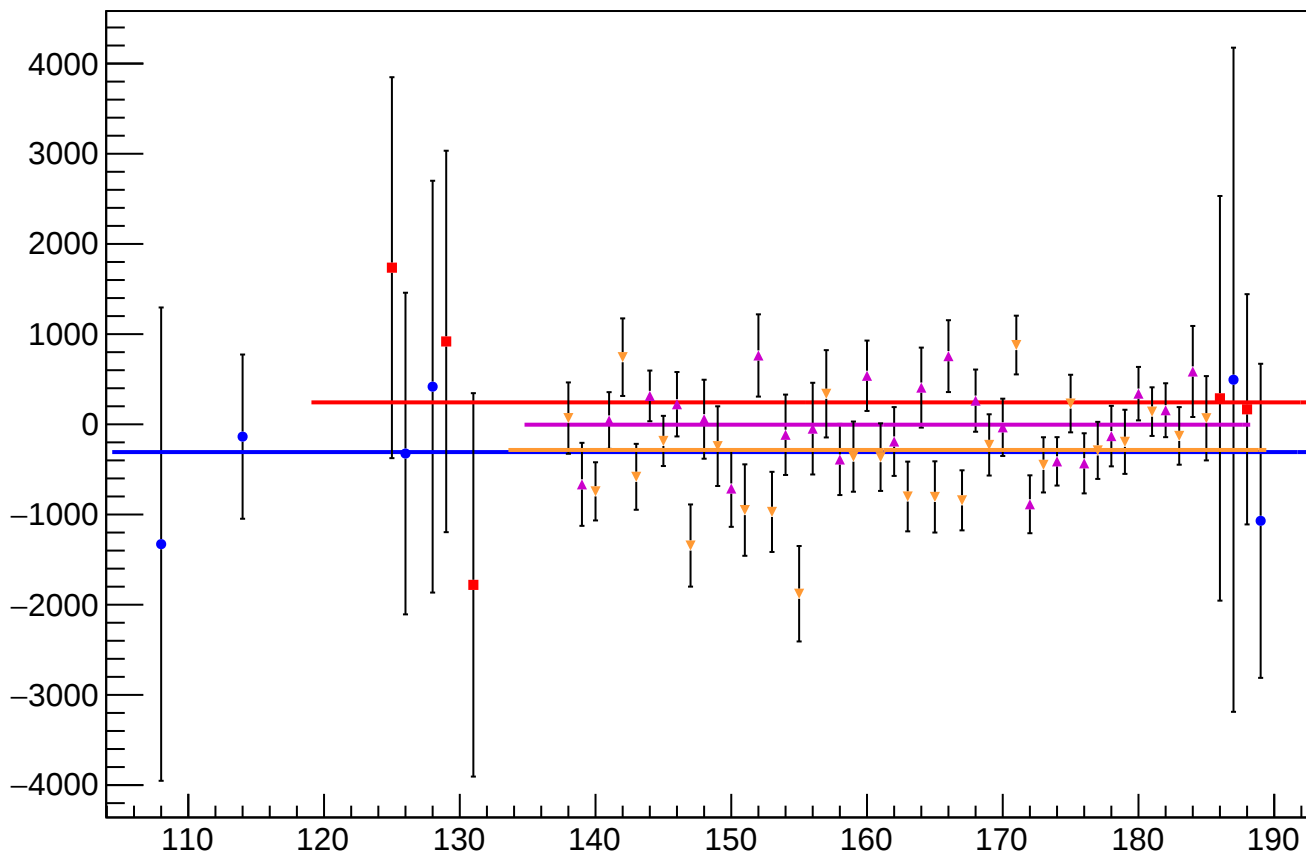
Left In: 64.069+/-0.011 χ^2/NDF : 164660.4/22

+ sign 65.899+/-0.009 χ^2/NDF : 867547.4/43

All: 66.142+/-0.007 χ^2/NDF : 1720308.1/87

- sign 66.387+/-0.009 χ^2/NDF : 851388.5/43

asym_sam7_correction_mean vs Slug



Right In: -307.726 ± 664.985 $\chi^2/\text{NDF}: 0.5/5$

Left Out: -284.304 ± 72.732 $\chi^2/\text{NDF}: 55.1/24$

Right Out: 243.348 ± 821.554 $\chi^2/\text{NDF}: 1.5/4$

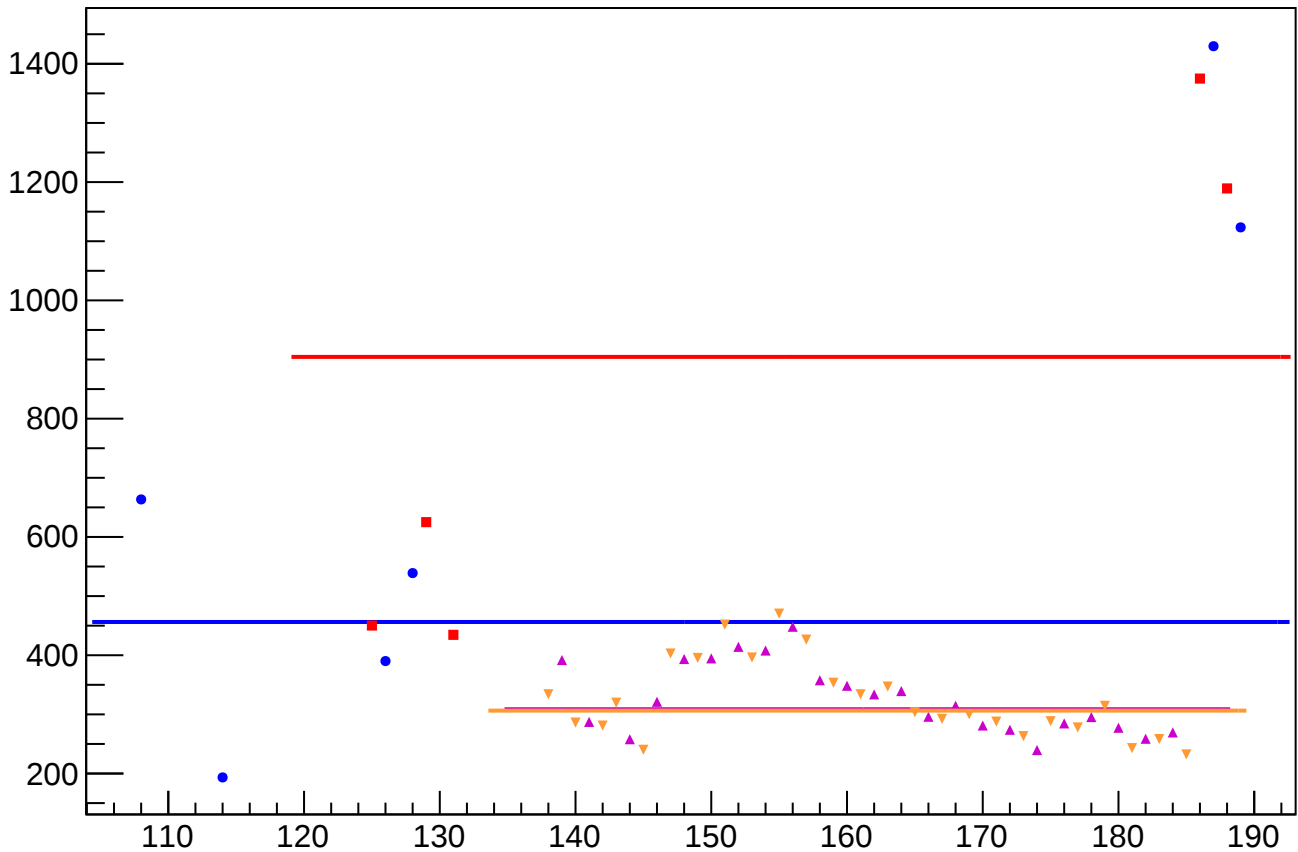
Left In: -4.037 ± 75.084 $\chi^2/\text{NDF}: 32.4/22$

+ sign -284.580 ± 72.301 $\chi^2/\text{NDF}: 55.6/30$

All: -148.031 ± 51.976 $\chi^2/\text{NDF}: 96.9/58$

- sign -1.988 ± 74.773 $\chi^2/\text{NDF}: 34.0/27$

asym_sam7_correction_rms vs Slug



Right In: 456.242+/-0.470 χ^2/NDF : 617928.7/5

Left Out: 306.363+/-0.051 χ^2/NDF :1215669.9/24

Right Out: 904.439+/-0.581 χ^2/NDF : 412765.2/4

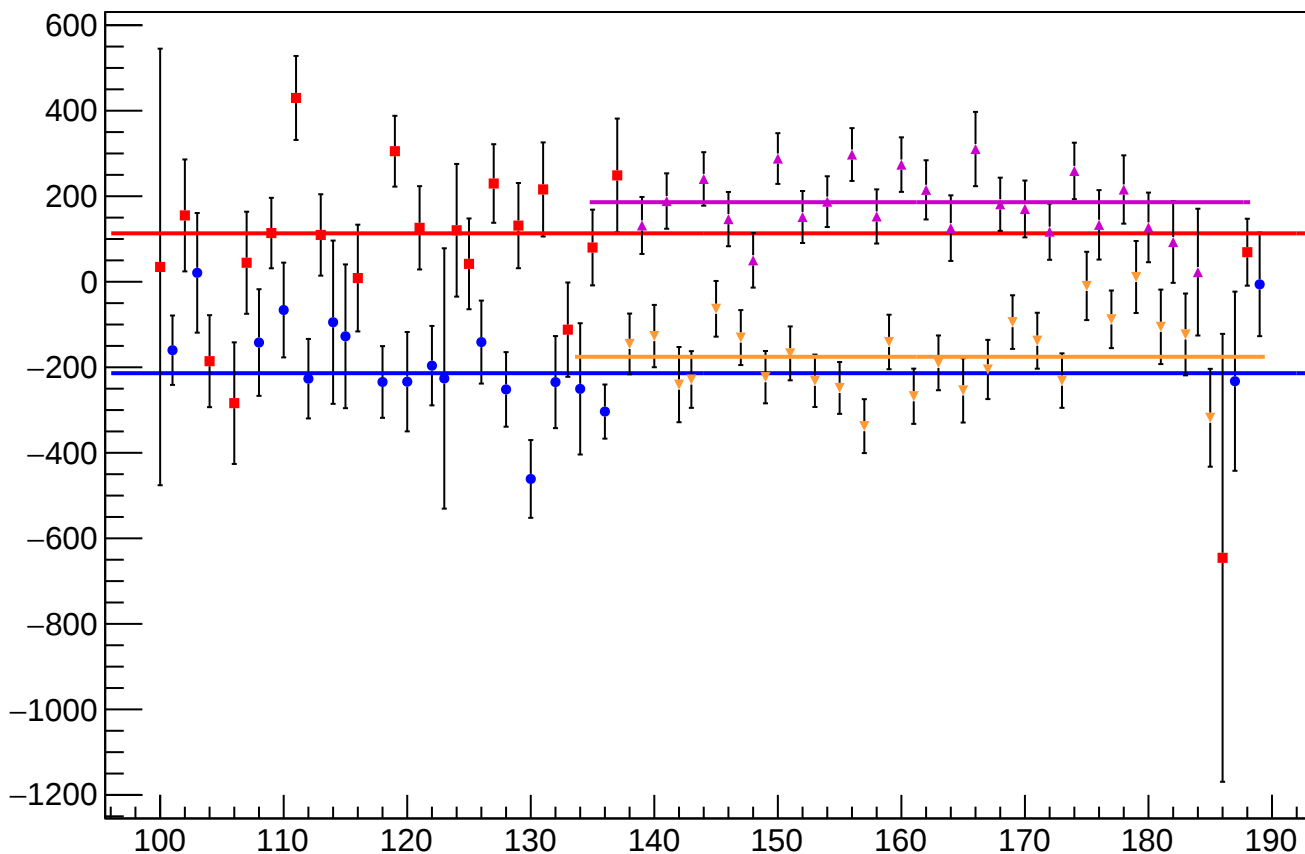
Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

+ sign 308.135+/-0.051 χ^2/NDF : 1933996.6/30

All: 310.805+/-0.037 χ^2/NDF : 4398198.5/58

- sign 313.661+/-0.053 χ^2/NDF : 2458555.5/27

reg_asym_sam8_mean vs Slug



Right In: -213.806 ± 24.264 χ^2/NDF : 19.4/18

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 113.246 ± 23.502 χ^2/NDF : 43.2/20

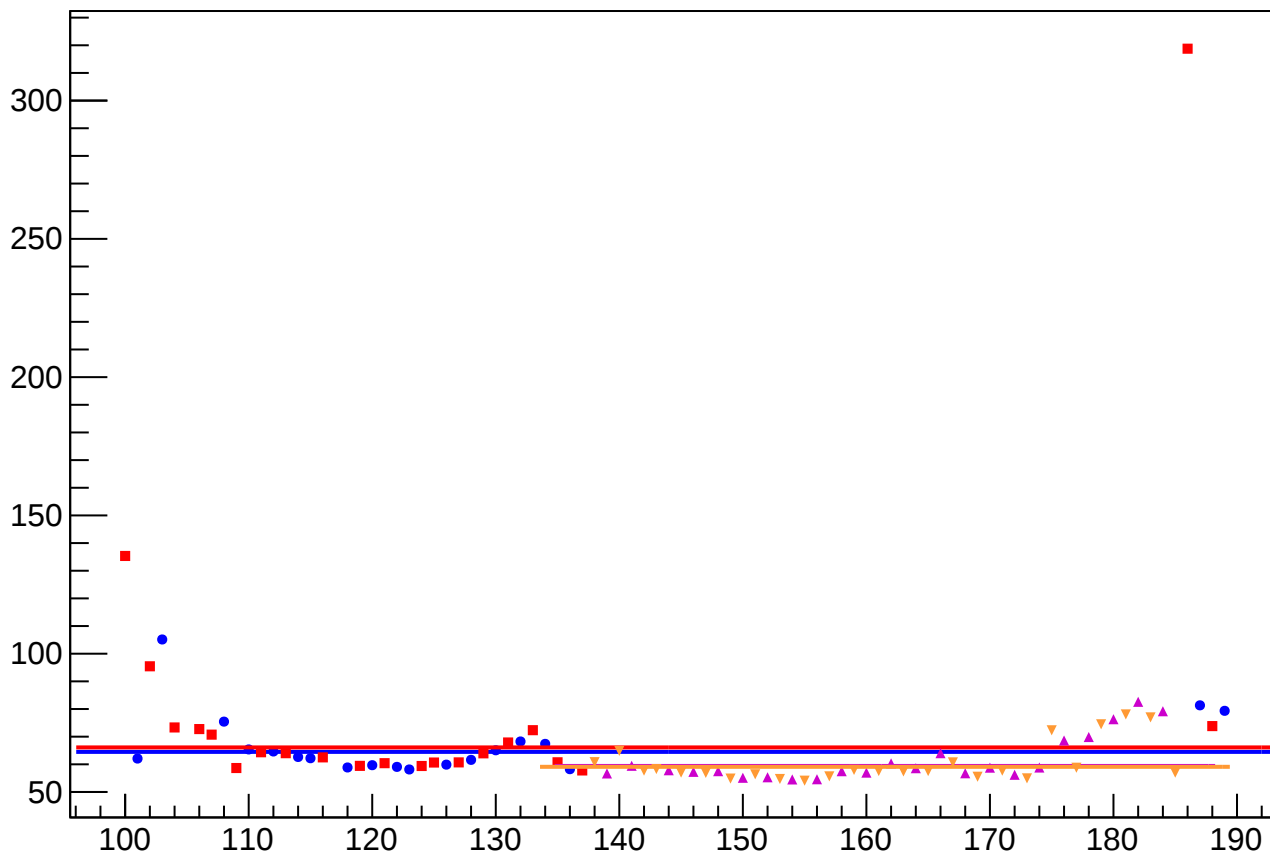
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -184.887 ± 12.026 χ^2/NDF : 55.9/43

All: -12.172 ± 8.573 χ^2/NDF : 549.1/87

- sign 166.346 ± 12.226 χ^2/NDF : 73.8/43

reg_asym_sam8_rms vs Slug



Right In: 64.497 $\pm$ 0.017 χ^2 /NDF: 279286.6/18

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 66.113 $\pm$ 0.017 χ^2 /NDF: 717014.2/20

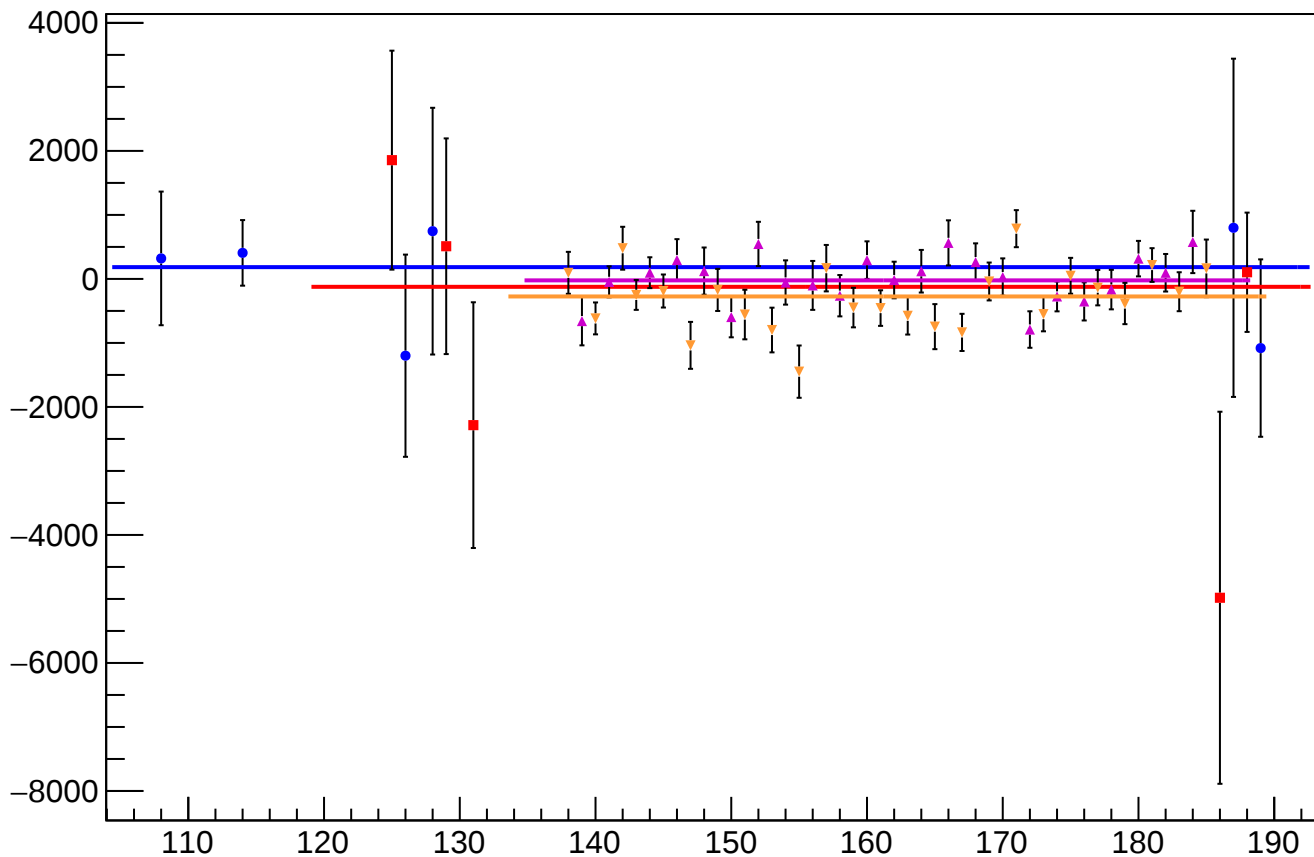
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 60.425 $\pm$ 0.009 χ^2 /NDF: 723729.4/43

All: 60.818 $\pm$ 0.006 χ^2 /NDF: 1936809.5/87

- sign 61.224 $\pm$ 0.009 χ^2 /NDF: 1208736.1/43

asym_sam8_correction_mean vs Slug



Right In: 184.150 $\pm$ 406.180 χ^2 /NDF: 1.9/5

Left Out: -274.091 $\pm$ 60.799 χ^2 /NDF: 53.9/24

Right Out: -123.424 $\pm$ 668.898 χ^2 /NDF: 5.6/4

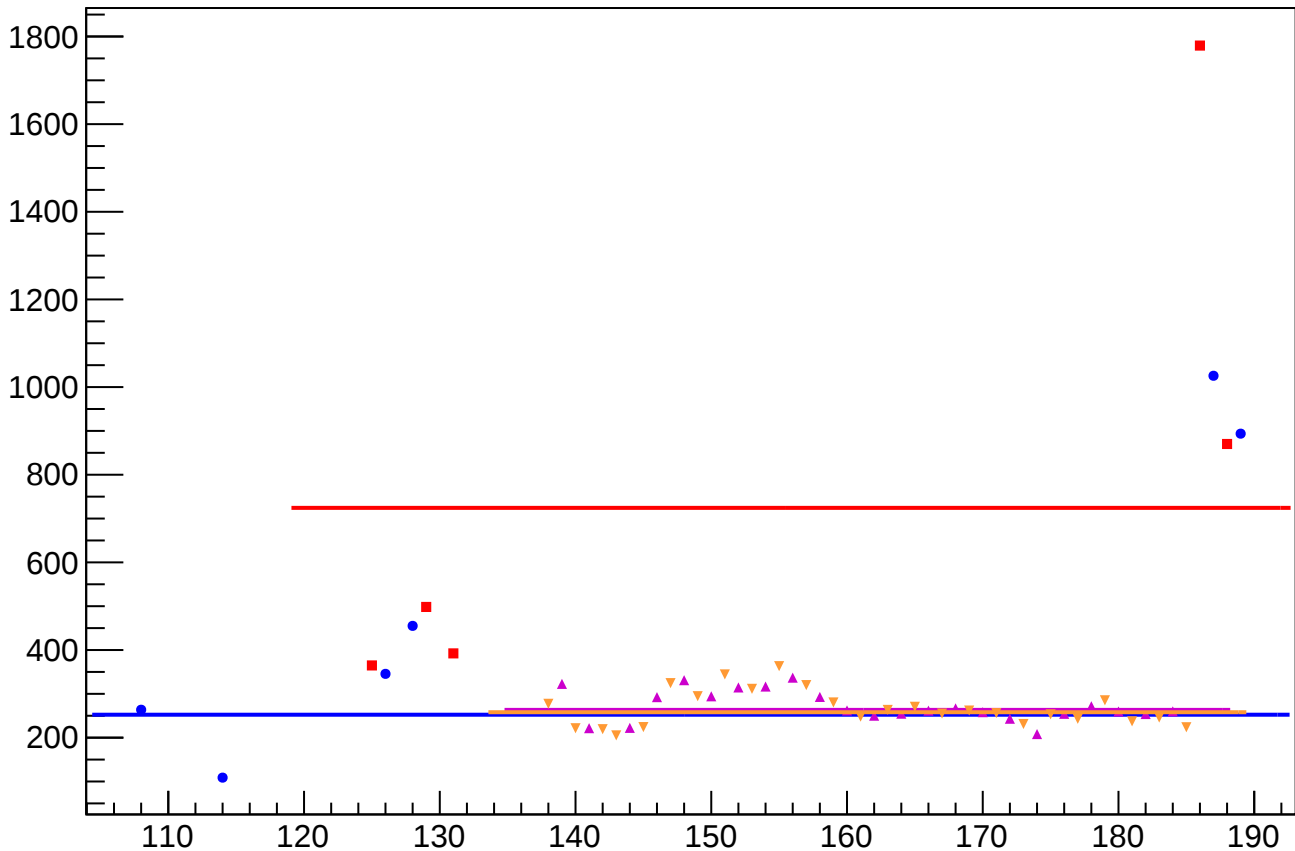
Left In: -22.631 $\pm$ 63.643 χ^2 /NDF: 28.9/22

+ sign -264.049 $\pm$ 60.129 χ^2 /NDF: 57.1/30

All: -150.074 $\pm$ 43.614 χ^2 /NDF: 99.2/58

- sign -23.535 $\pm$ 63.357 χ^2 /NDF: 34.5/27

asym_sam8_correction_rms vs Slug



Right In: 252.370 $\pm$ 0.287 χ^2 /NDF: 786101.7/5

Left Out: 258.040 $\pm$ 0.043 χ^2 /NDF: 724823.3/24

Right Out: 724.385 $\pm$ 0.473 χ^2 /NDF: 496618.0/4

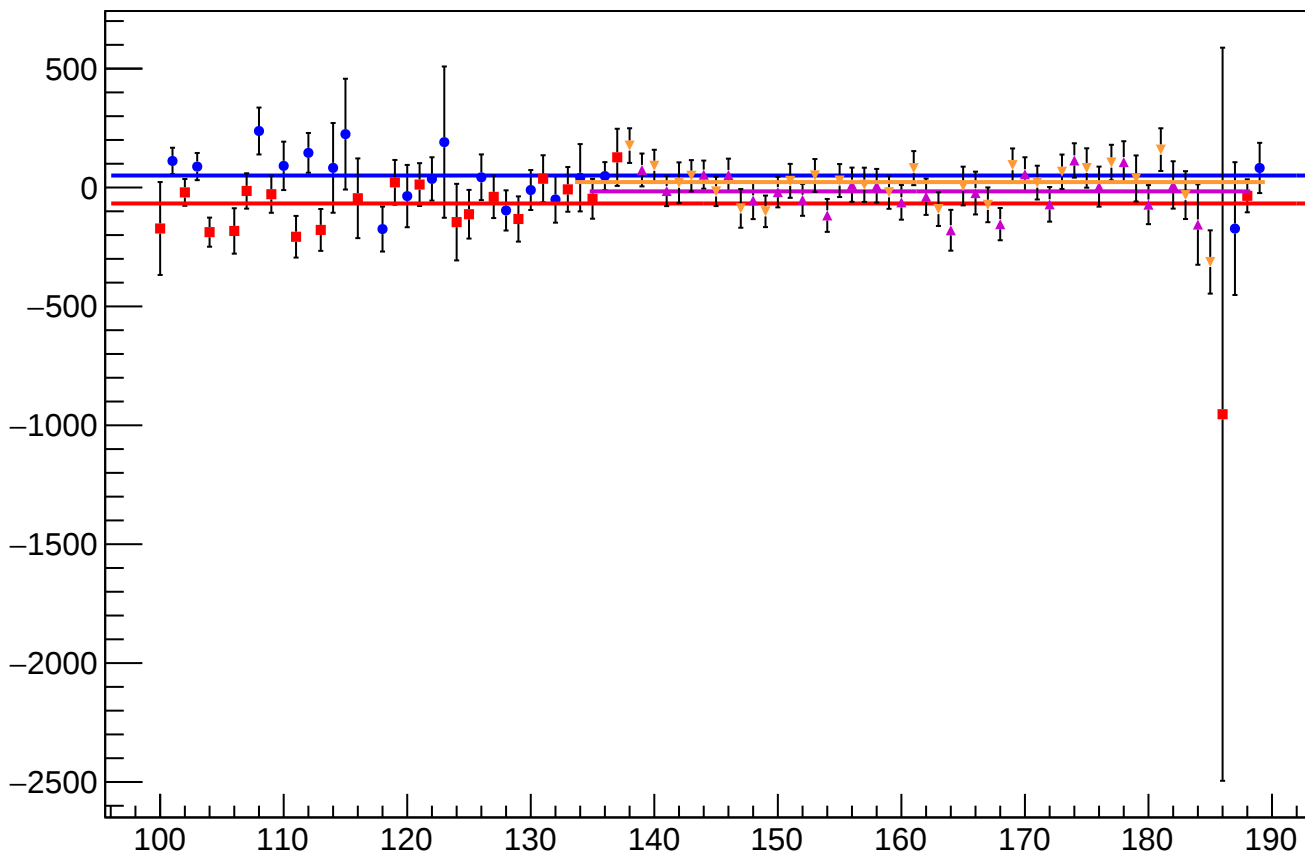
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 257.916 $\pm$ 0.043 χ^2 /NDF: 1511306.2/30

All: 262.473 $\pm$ 0.031 χ^2 /NDF: 3559171.4/58

- sign 267.532 $\pm$ 0.045 χ^2 /NDF: 2023623.3/27

reg_asym_sam_15_avg_mean vs Slug



Right In: 50.461 ± 21.053 χ^2/NDF : 18.9/18

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -67.097 ± 19.611 χ^2/NDF : 18.6/20

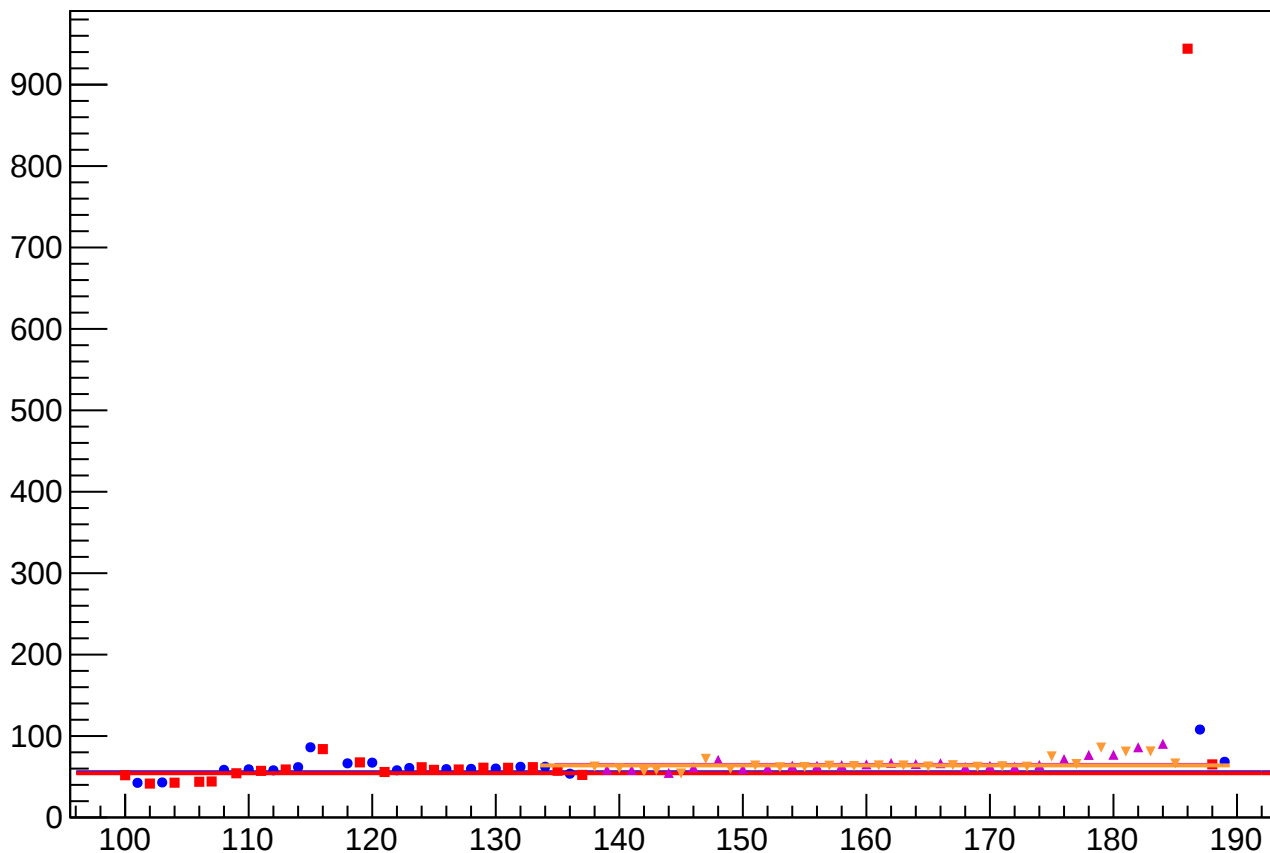
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 32.134 ± 12.199 χ^2/NDF : 49.1/43

All: -1.907 ± 8.618 χ^2/NDF : 110.7/87

- sign -35.816 ± 12.175 χ^2/NDF : 46.1/43

reg_asym_sam_15_avg_rms vs Slug



Right In: 55.488 $\pm$ 0.015 χ^2 /NDF: 422449.2/18

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 54.320 $\pm$ 0.014 χ^2 /NDF: 1109181.5/20

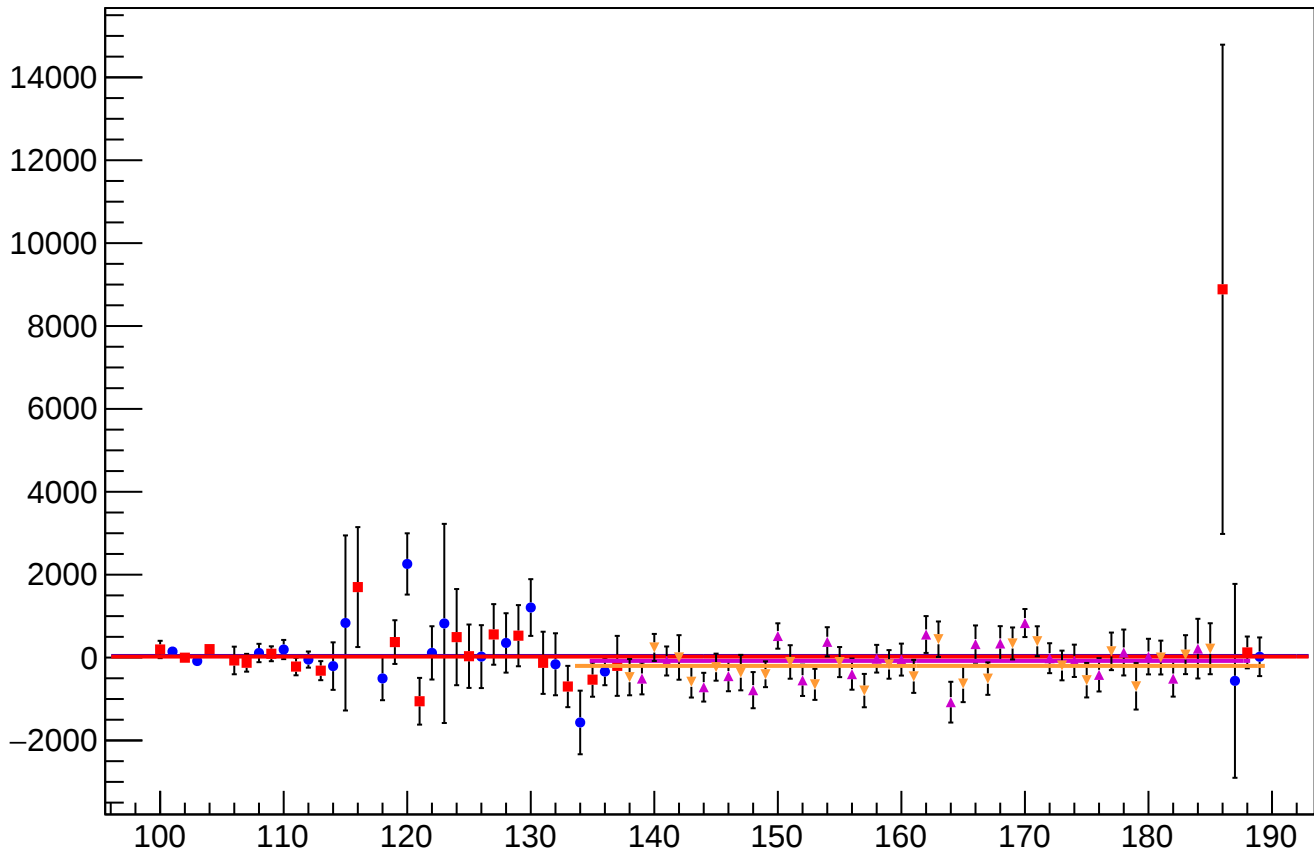
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.089 $\pm$ 0.009 χ^2 /NDF: 1030958.4/43

All: 60.835 $\pm$ 0.006 χ^2 /NDF: 2844282.4/87

- sign 60.583 $\pm$ 0.009 χ^2 /NDF: 1811601.0/43

asym_sam_15_avg_correction_mean vs Slug



Right In: 38.489 ± 51.237 χ^2/NDF : 23.9/18

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: 24.064 ± 52.780 χ^2/NDF : 21.1/20

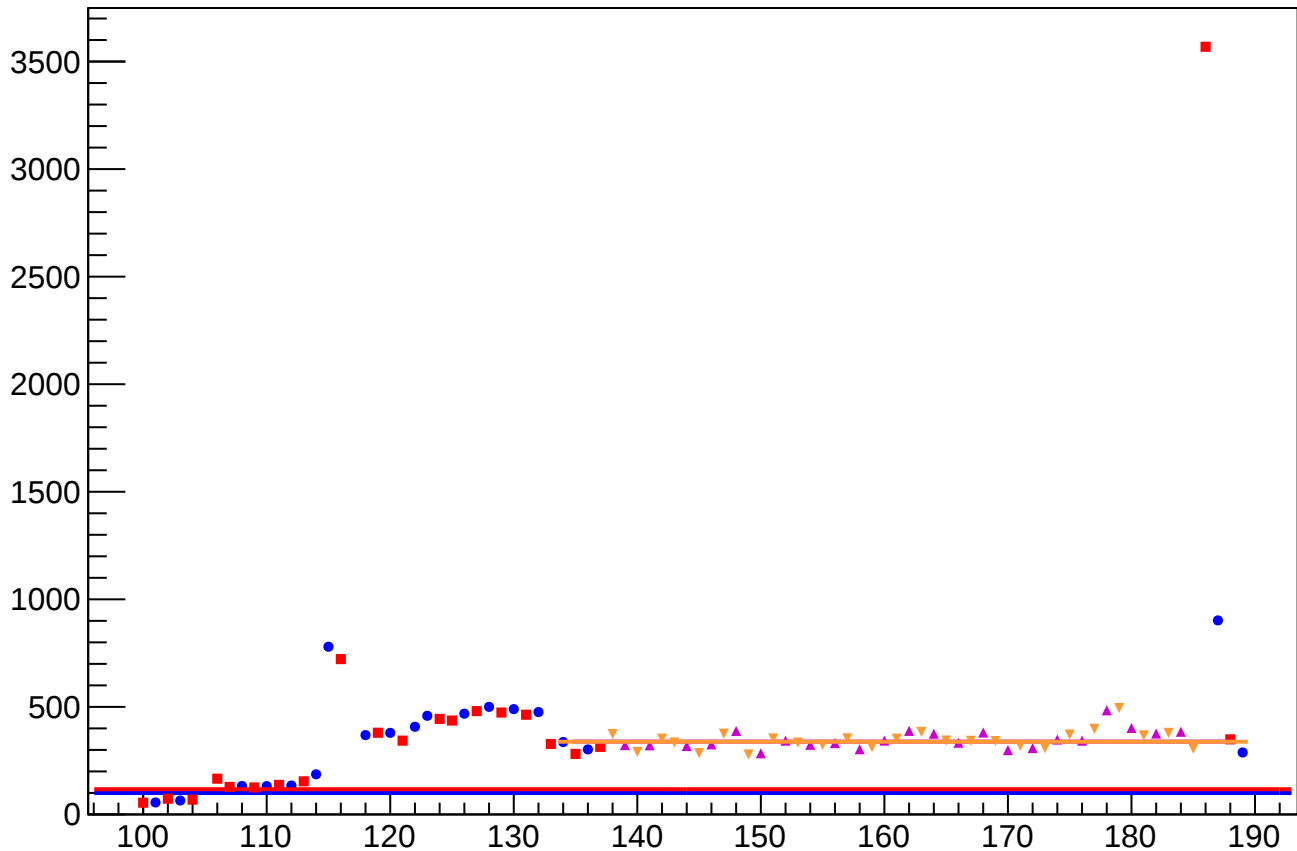
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -31.757 ± 43.075 χ^2/NDF : 50.0/43

All: -19.510 ± 30.898 χ^2/NDF : 105.8/87

- sign -6.530 ± 44.346 χ^2/NDF : 55.7/43

asym_sam_15_avg_correction_rms vs Slug



Right In: 99.593+/-0.036 χ^2/NDF : 6367896.2/18

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 117.269+/-0.037 χ^2/NDF : 6444864.6/20

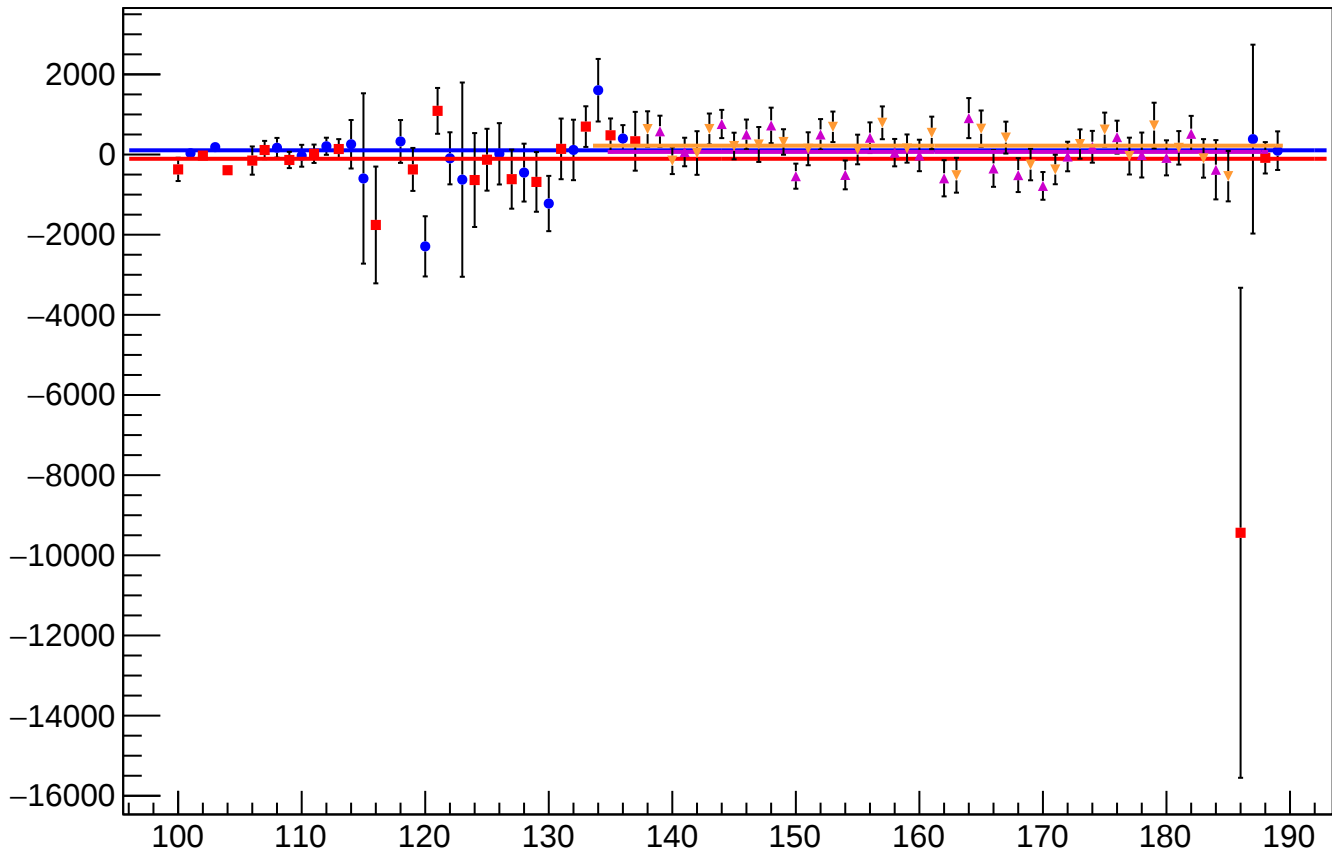
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 169.536+/-0.030 χ^2/NDF : 19576981.0/43

All: 175.751+/-0.022 χ^2/NDF : 36883088.4/87

- sign 182.339+/-0.031 χ^2/NDF : 17220325.4/43

asym_sam_15_avg_mean vs Slug



Right In: 105.708 $\pm$ 62.628 χ^2 /NDF: 21.0/18

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -106.058 $\pm$ 60.152 χ^2 /NDF: 23.6/20

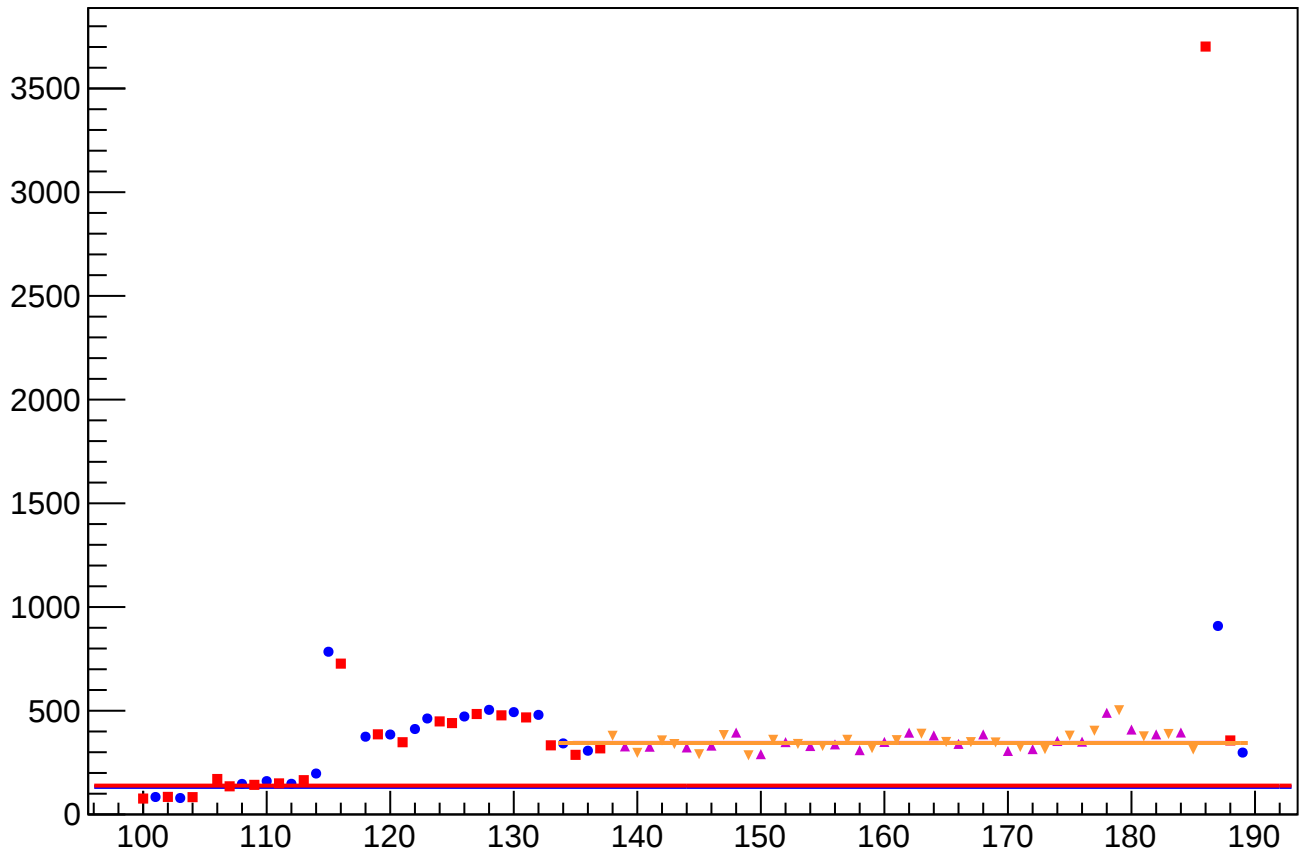
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 148.863 $\pm$ 49.550 χ^2 /NDF: 42.0/43

All: 49.239 $\pm$ 34.758 χ^2 /NDF: 110.3/87

- sign -47.274 $\pm$ 48.770 χ^2 /NDF: 60.3/43

asym_sam_15_avg_rms vs Slug



Right In: 132.782 $\pm$ 0.044 χ^2 /NDF: 5217364.5/18

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF: 488323.4/24

Right Out: 139.050 $\pm$ 0.043 χ^2 /NDF: 5664149.9/20

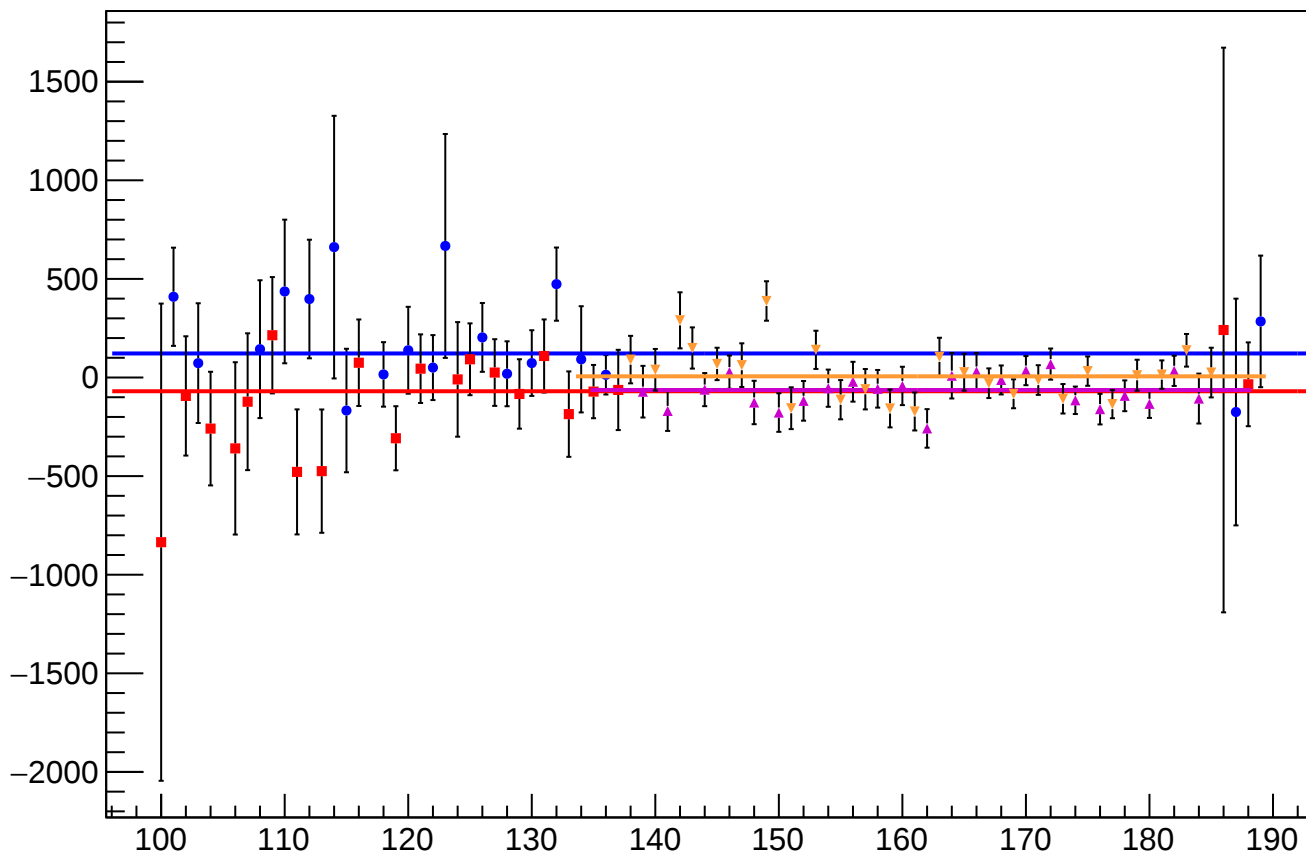
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 211.975 $\pm$ 0.035 χ^2 /NDF: 14255324.5/43

All: 210.783 $\pm$ 0.025 χ^2 /NDF: 28385165.6/87

- sign 209.628 $\pm$ 0.034 χ^2 /NDF: 14127561.5/43

reg_asym_sam_26_avg_mean vs Slug



Right In: 121.952 ± 48.501 χ^2/NDF : 12.0/18

Left Out: 6.020 ± 17.910 χ^2/NDF : 46.0/24

Right Out: -69.691 ± 48.690 χ^2/NDF : 11.0/20

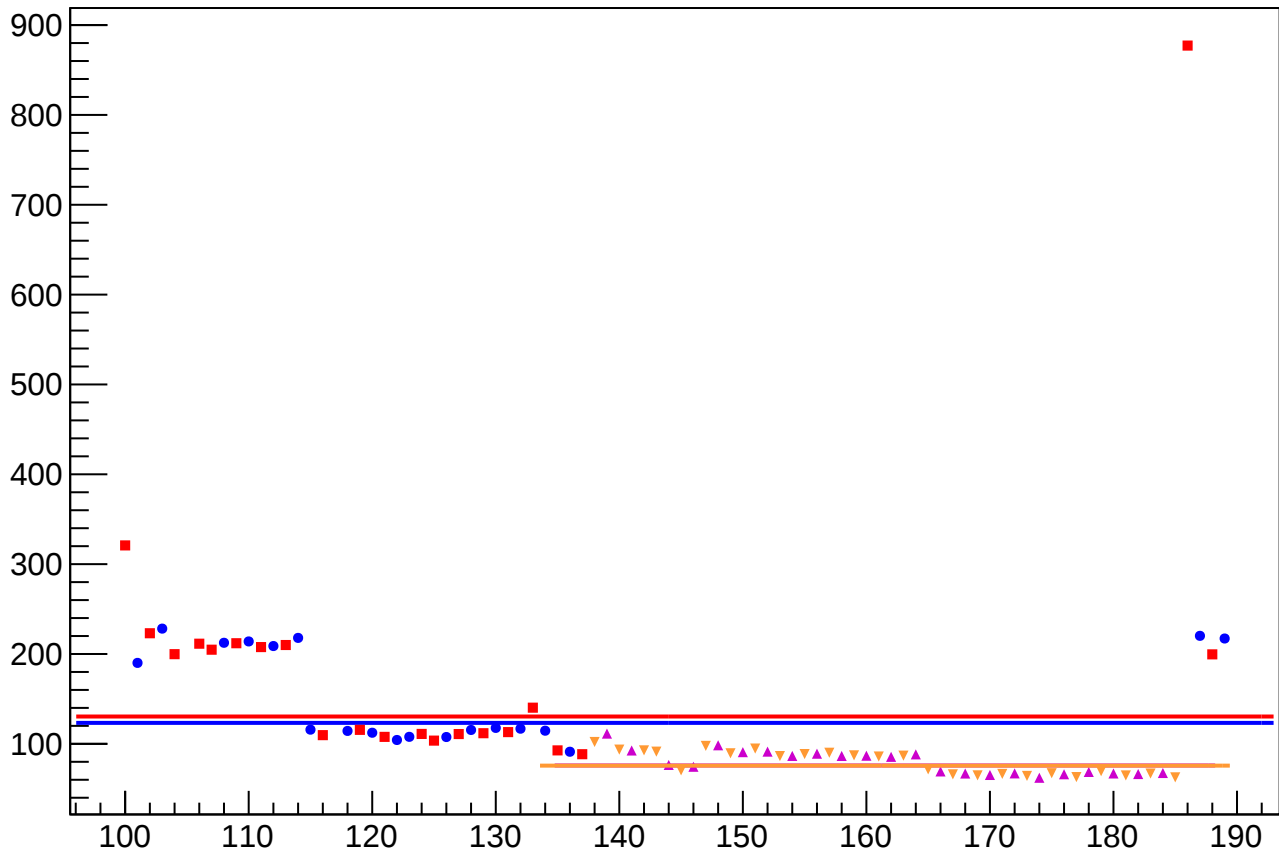
Left In: -63.279 ± 18.447 χ^2/NDF : 19.8/22

+ sign 19.931 ± 16.801 χ^2/NDF : 63.0/43

All: -20.969 ± 12.036 χ^2/NDF : 106.1/87

- sign -64.084 ± 17.250 χ^2/NDF : 30.9/43

reg_asym_sam_26_avg_rms vs Slug



Right In: 123.328+/-0.034 χ^2/NDF : 1328828.9/18

Left Out: 75.743+/-0.013 χ^2/NDF : 937821.8/24

Right Out: 130.414+/-0.034 χ^2/NDF : 2103542.4/20

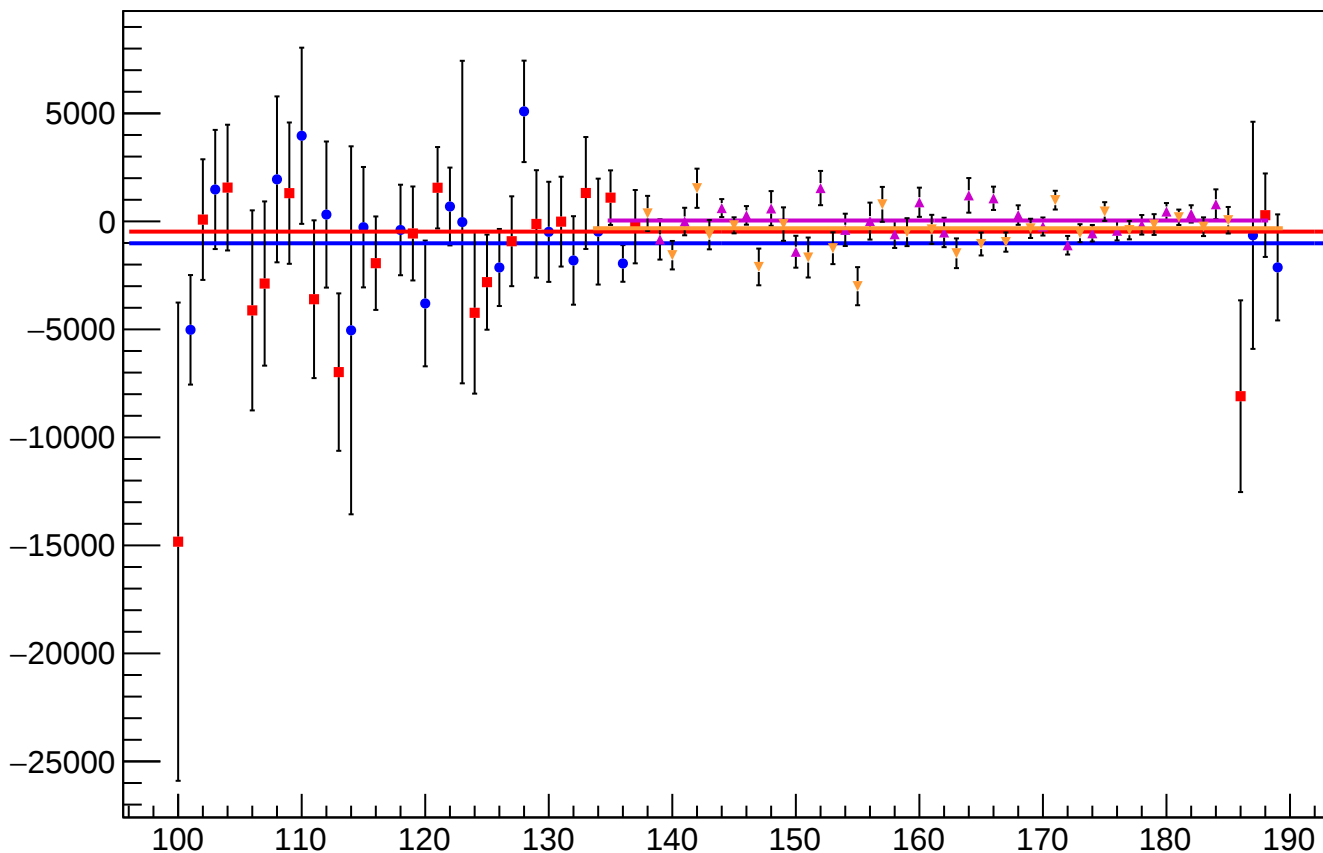
Left In: 75.909+/-0.013 χ^2/NDF : 831366.4/22

+ sign 81.453+/-0.012 χ^2/NDF : 3960805.0/43

All: 82.085+/-0.009 χ^2/NDF : 9093100.3/87

- sign 82.751+/-0.012 χ^2/NDF : 5126486.1/43

asym_sam_26_avg_correction_mean vs Slug



Right In: -1013.987 ± 500.257 χ^2/NDF : 16.6/18

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -473.856 ± 522.476 χ^2/NDF : 16.5/20

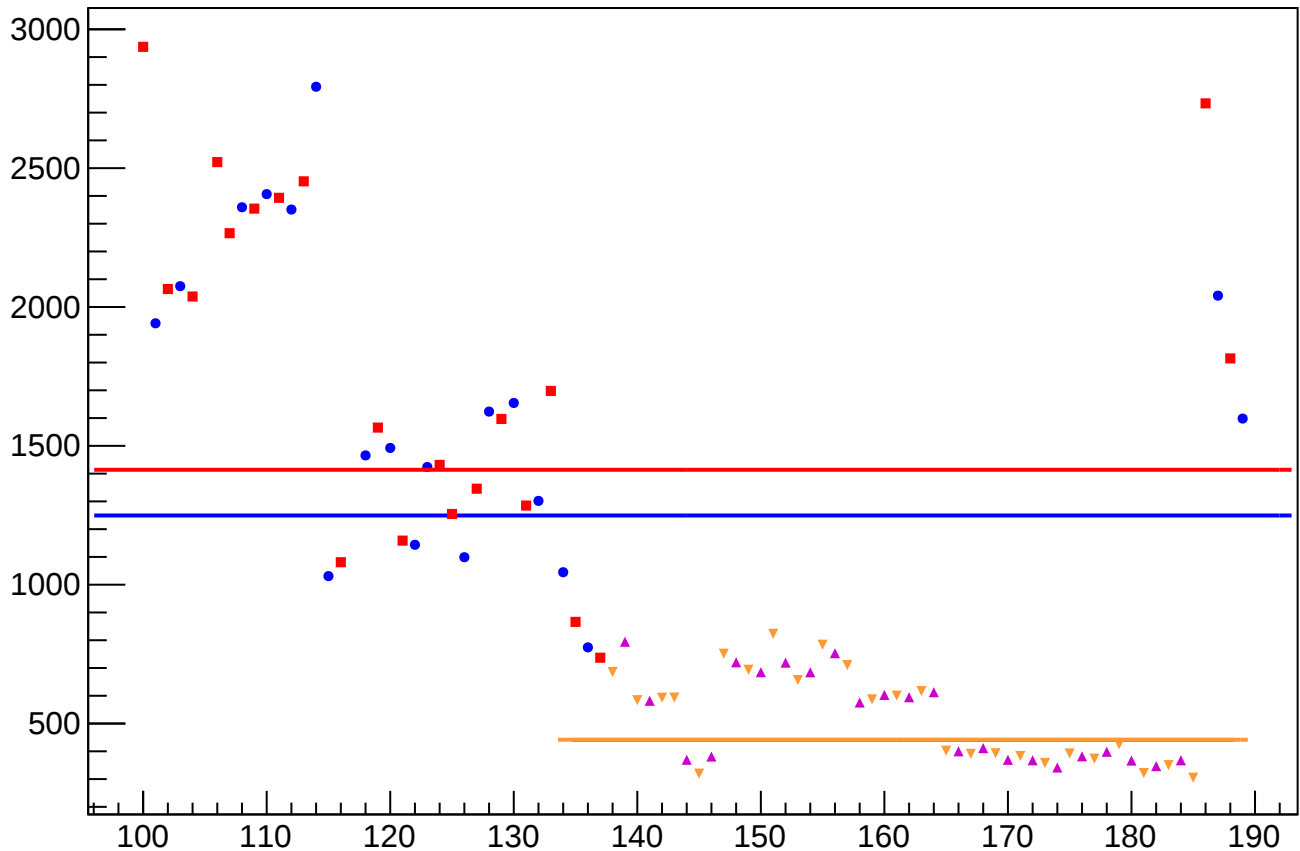
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -349.063 ± 105.581 χ^2/NDF : 68.5/43

All: -169.212 ± 75.455 χ^2/NDF : 126.5/87

- sign 18.547 ± 107.877 χ^2/NDF : 52.1/43

asym_sam_26_avg_correction_rms vs Slug



Right In: 1249.228+/-0.354 χ^2/NDF : 1844112.4/18

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

+ sign 477.655+/-0.075 χ^2/NDF : 9992770.3/43

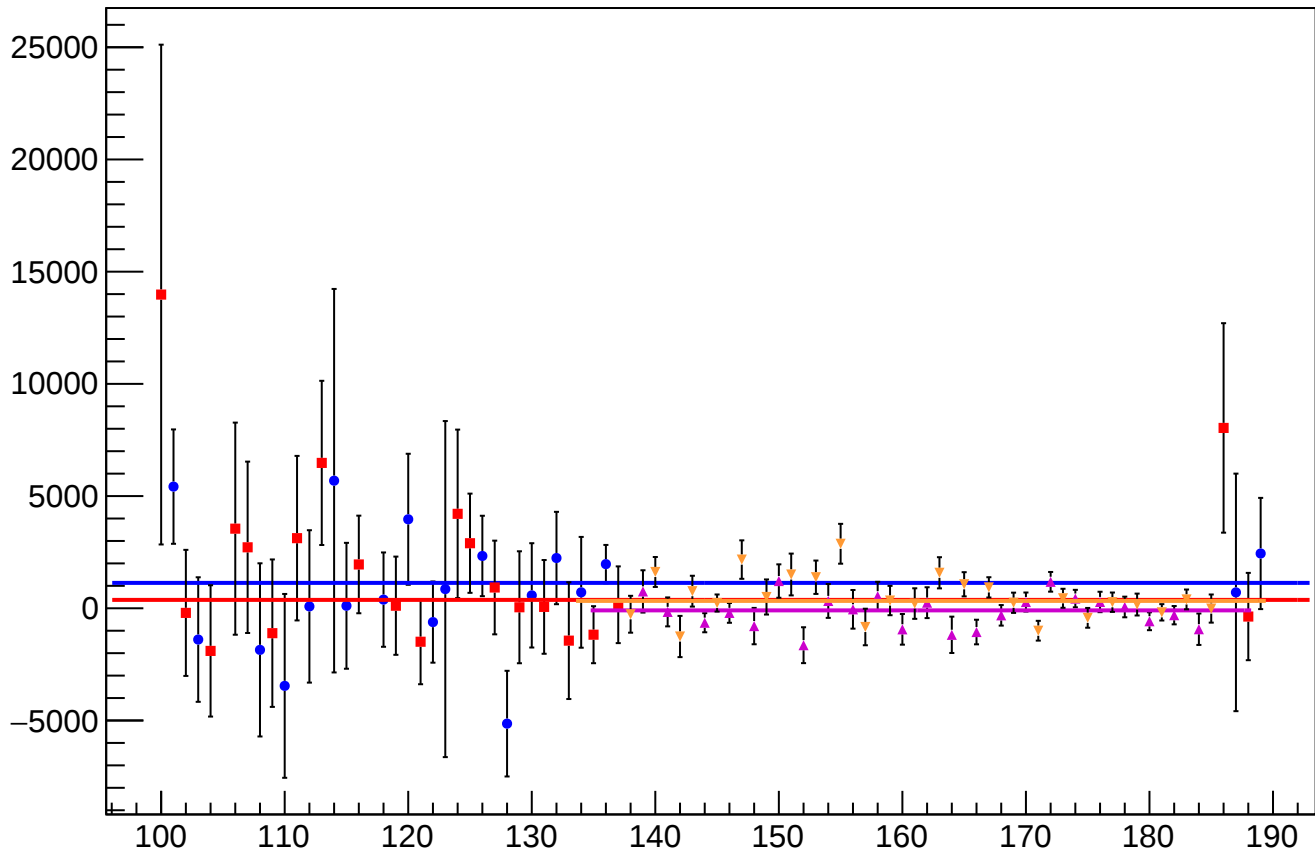
Right Out: 1413.824+/-0.369 χ^2/NDF : 2030632.0/20

All: 480.016+/-0.053 χ^2/NDF : 21260472.6/87

Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

- sign 482.480+/-0.076 χ^2/NDF : 11265658.5/43

asym_sam_26_avg_mean vs Slug



Right In: 1131.704+/-503.200 χ^2/NDF : 17.2/18

Left Out: 328.599+/-109.668 χ^2/NDF : 47.7/24

Right Out: 374.064+/-525.558 χ^2/NDF : 15.3/20

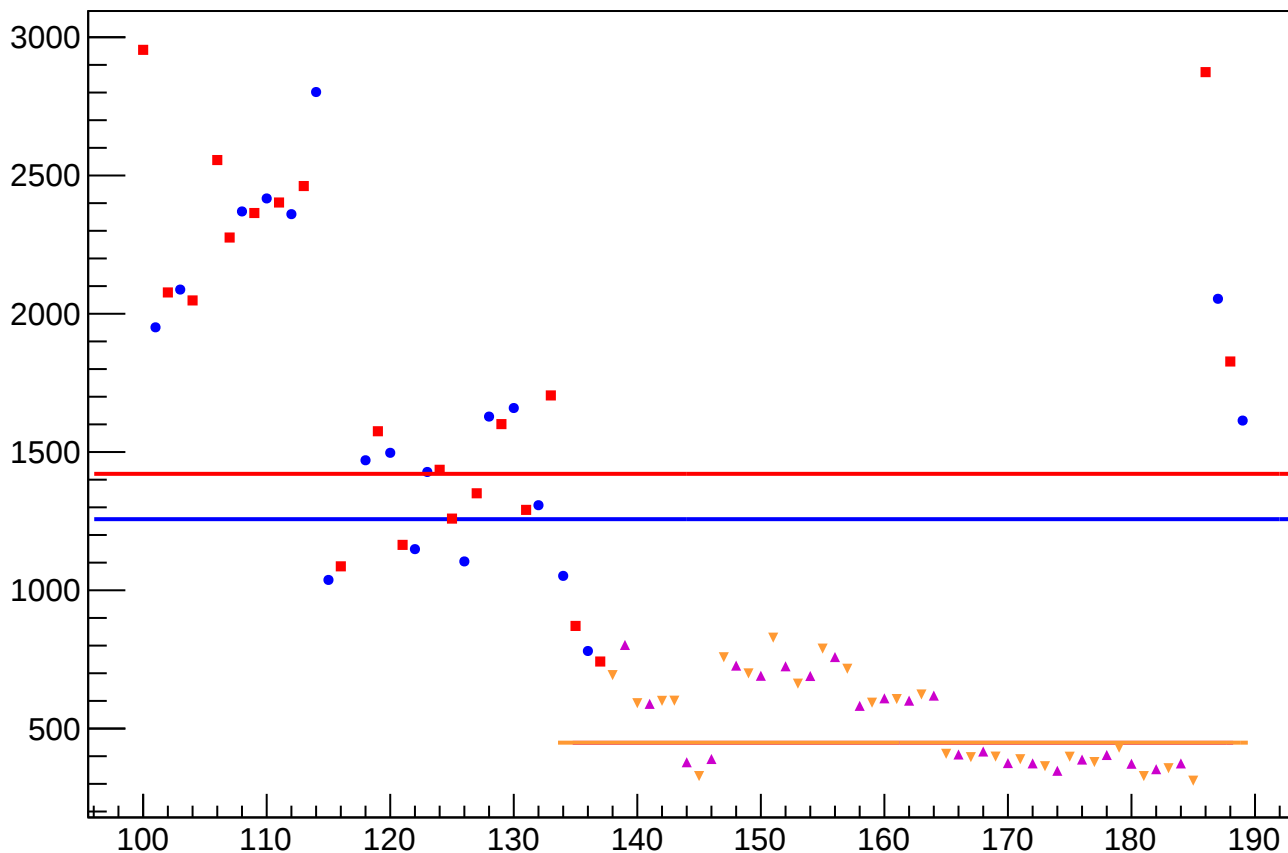
Left In: -93.310+/-111.960 χ^2/NDF : 33.3/22

+ sign 365.015+/-107.153 χ^2/NDF : 67.3/43

All: 150.747+/-76.586 χ^2/NDF : 124.9/87

- sign -73.021+/-109.503 χ^2/NDF : 49.4/43

asym_sam_26_avg_rms vs Slug



Right In: 1257.198 $\pm$ 0.356 χ^2 /NDF: 1832709.3/18

Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF: 3090476.2/24

Right Out: 1421.115 $\pm$ 0.372 χ^2 /NDF: 2044281.2/20

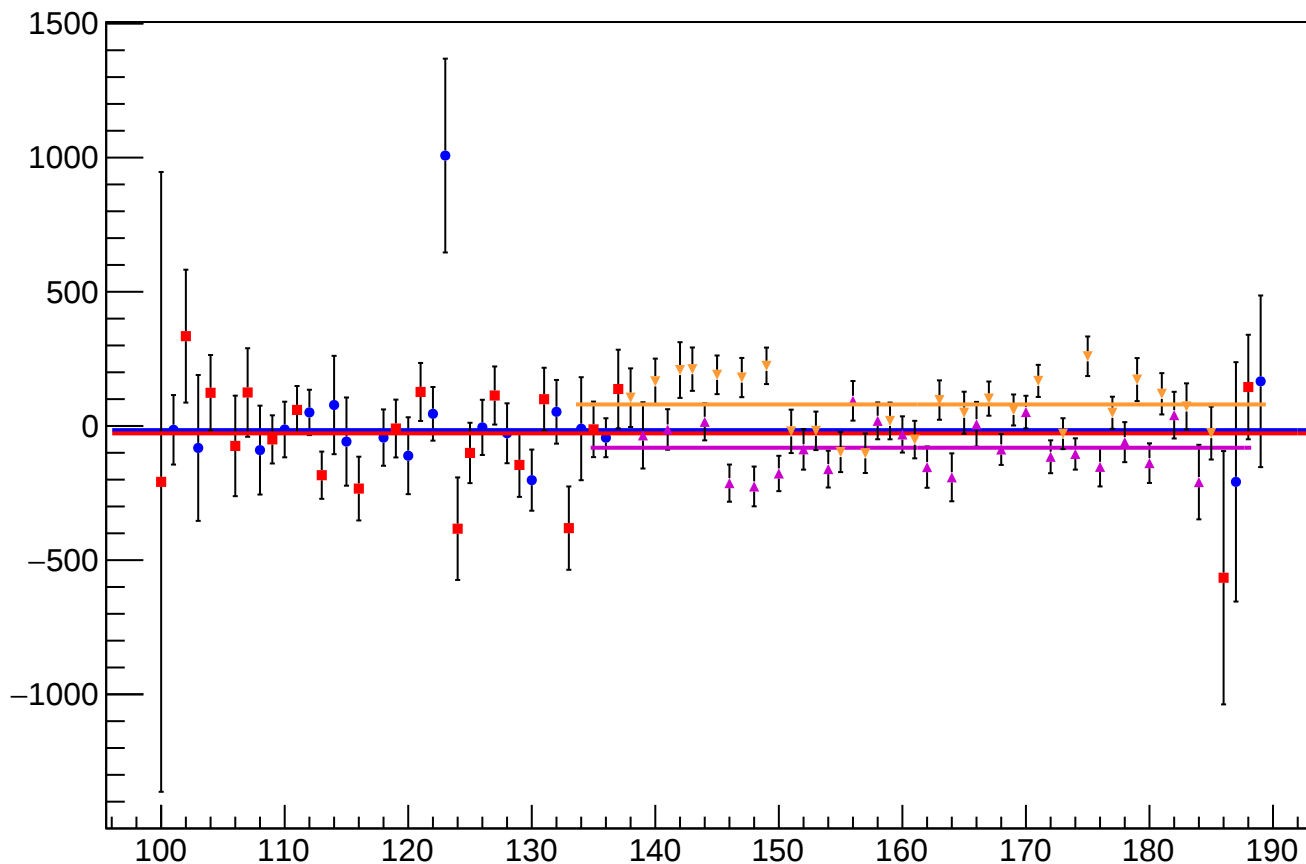
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF: 2537376.0/22

+ sign 485.663 $\pm$ 0.076 χ^2 /NDF: 9848269.8/43

All: 488.048 $\pm$ 0.054 χ^2 /NDF: 20986900.3/87

- sign 490.538 $\pm$ 0.077 χ^2 /NDF: 11136605.4/43

reg_asym_sam_37_avg_mean vs Slug



Right In: -15.527 ± 28.729 χ^2/NDF : 13.8/18

Left Out: 80.171 ± 14.592 χ^2/NDF : 48.6/24

Right Out: -27.595 ± 27.715 χ^2/NDF : 29.7/20

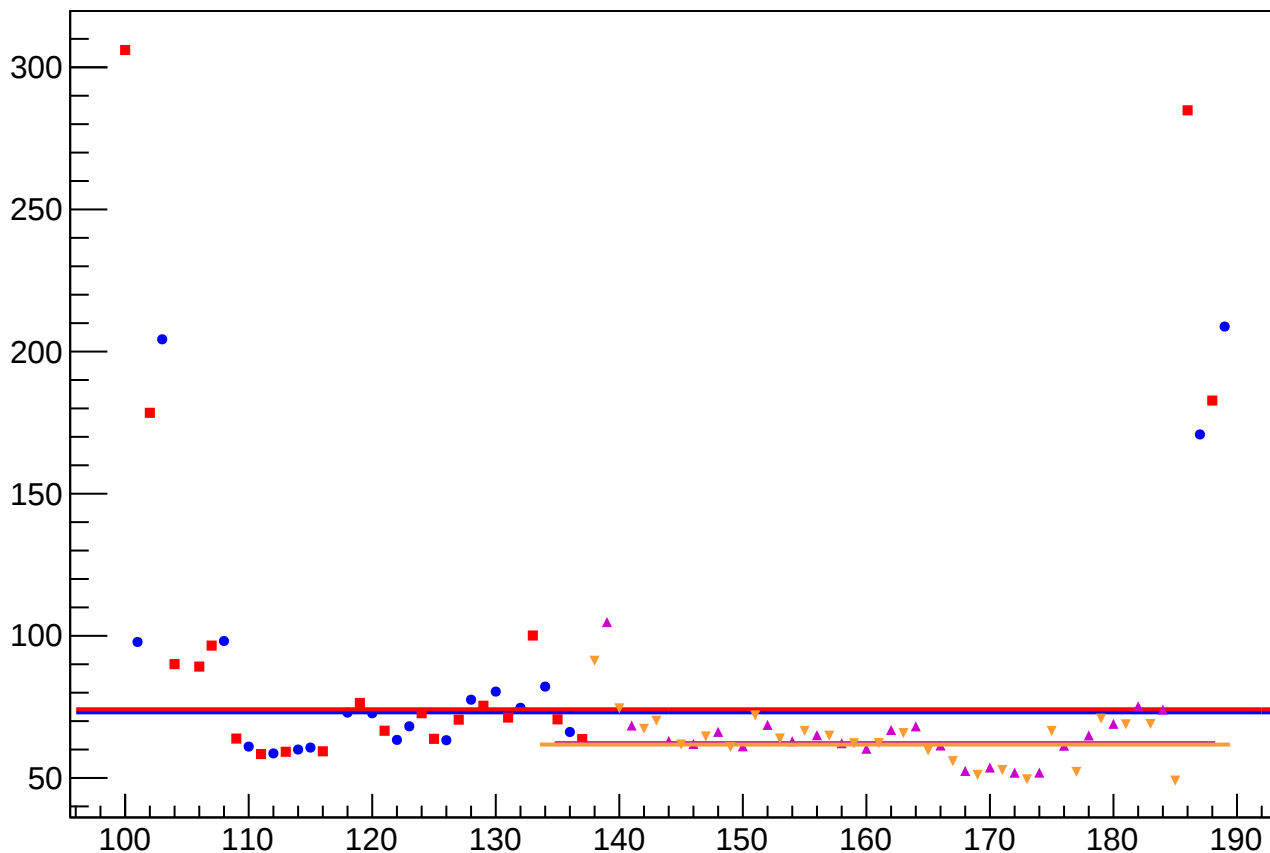
Left In: -81.156 ± 15.105 χ^2/NDF : 35.3/22

+ sign 60.545 ± 13.010 χ^2/NDF : 71.2/43

All: -2.925 ± 9.288 χ^2/NDF : 187.6/87

- sign -68.890 ± 13.263 χ^2/NDF : 67.9/43

reg_asym_sam_37_avg_rms vs Slug



Right In: 73.086 ± 0.020 $\chi^2/\text{NDF}: 1220513.8/18$

Left Out: 61.761 ± 0.010 $\chi^2/\text{NDF}: 645535.0/24$

Right Out: 74.170 ± 0.020 $\chi^2/\text{NDF}: 1808671.2/20$

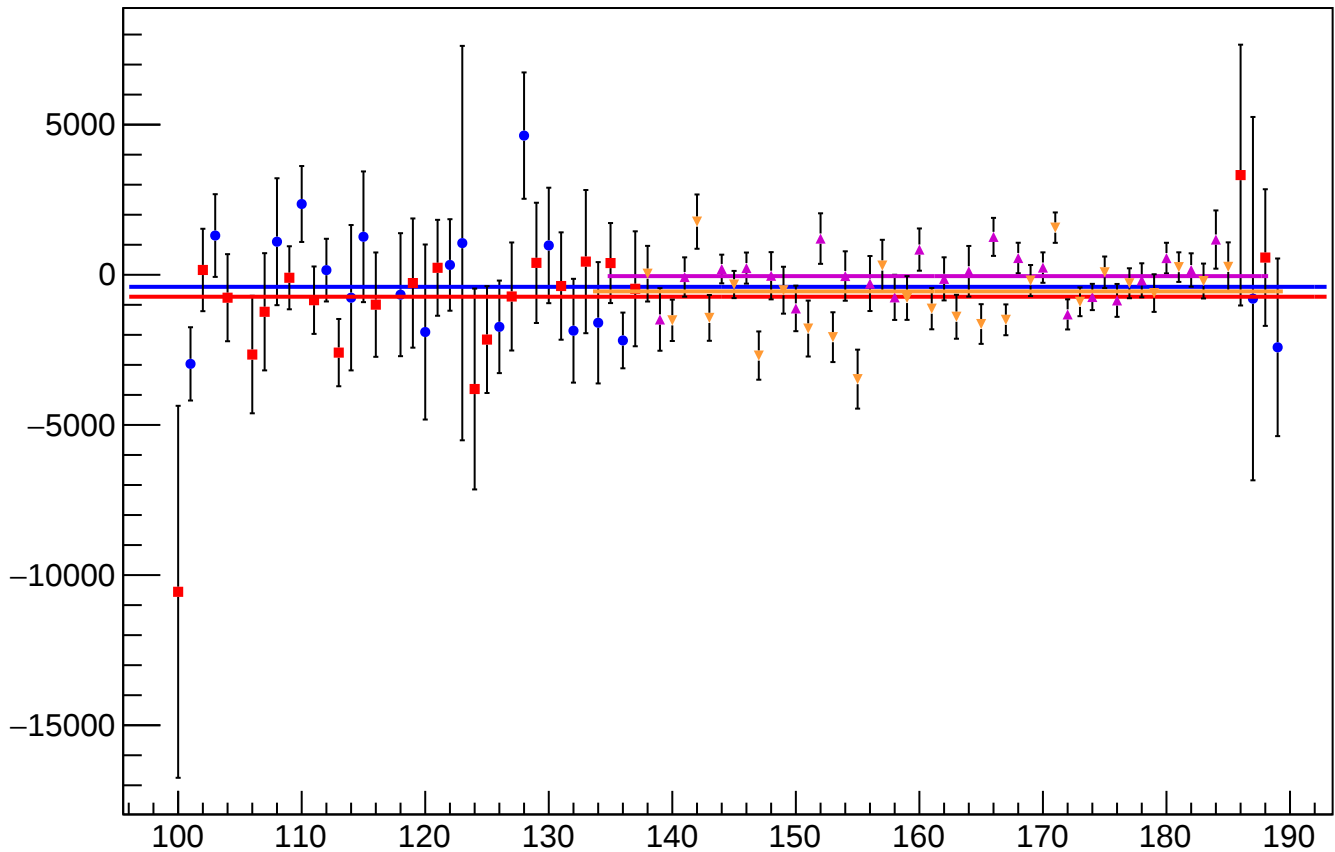
Left In: 62.250 ± 0.011 $\chi^2/\text{NDF}: 591085.1/22$

+ sign 64.084 ± 0.009 $\chi^2/\text{NDF}: 2113103.0/43$

All: 64.523 ± 0.007 $\chi^2/\text{NDF}: 4802765.2/87$

- sign 64.980 ± 0.009 $\chi^2/\text{NDF}: 2685006.6/43$

asym_sam_37_avg_correction_mean vs Slug



Right In: -401.078 ± 379.061 χ^2/NDF : 24.9/18

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -730.641 ± 364.439 χ^2/NDF : 11.5/20

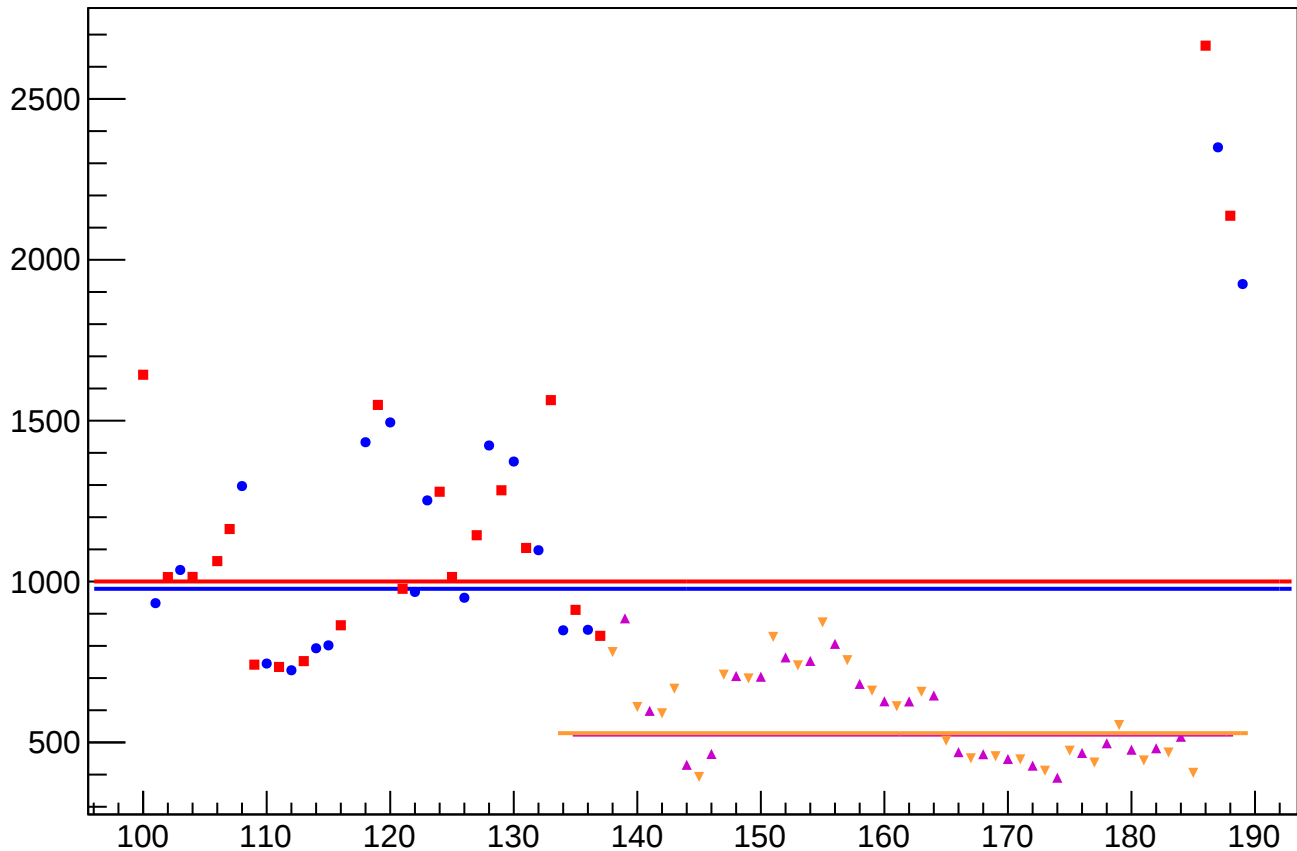
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -537.232 ± 120.405 χ^2/NDF : 90.3/43

All: -331.351 ± 85.588 χ^2/NDF : 140.5/87

- sign -121.066 ± 121.686 χ^2/NDF : 44.2/43

asym_sam_37_avg_correction_rms vs Slug



Right In: 977.428+/-0.268 χ^2/NDF : 965926.9/18

Left Out: 528.736+/-0.090 χ^2/NDF : 1983697.7/24

Right Out: 1000.238+/-0.258 χ^2/NDF : 1515069.8/20

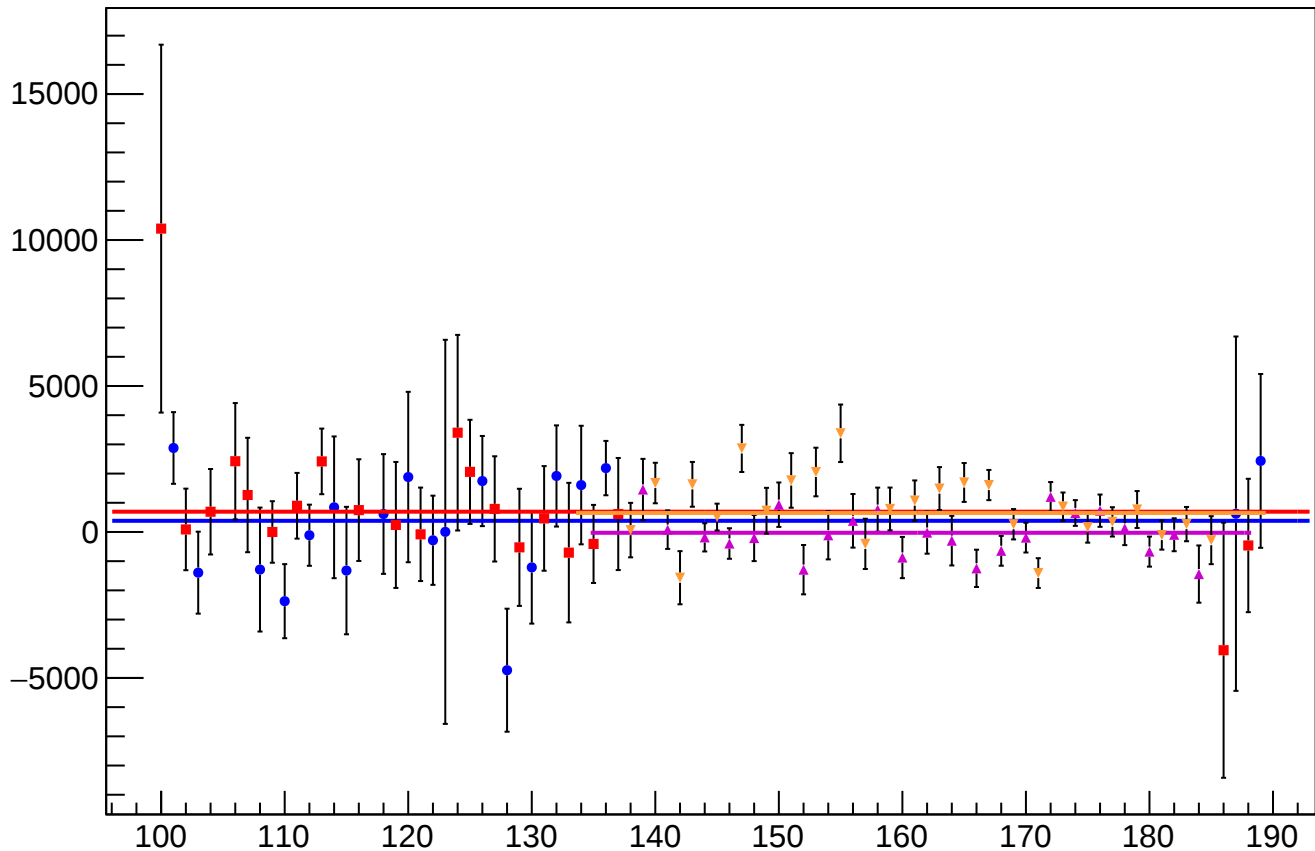
Left In: 524.268+/-0.091 χ^2/NDF : 1716257.3/22

+ sign 574.007+/-0.085 χ^2/NDF : 5469154.4/43

All: 575.652+/-0.061 χ^2/NDF : 11732349.5/87

- sign 577.333+/-0.086 χ^2/NDF : 6262439.9/43

asym_sam_37_avg_mean vs Slug



Right In: 382.423 ± 380.790 χ^2/NDF : 25.1/18

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 695.200 ± 366.276 χ^2/NDF : 10.6/20

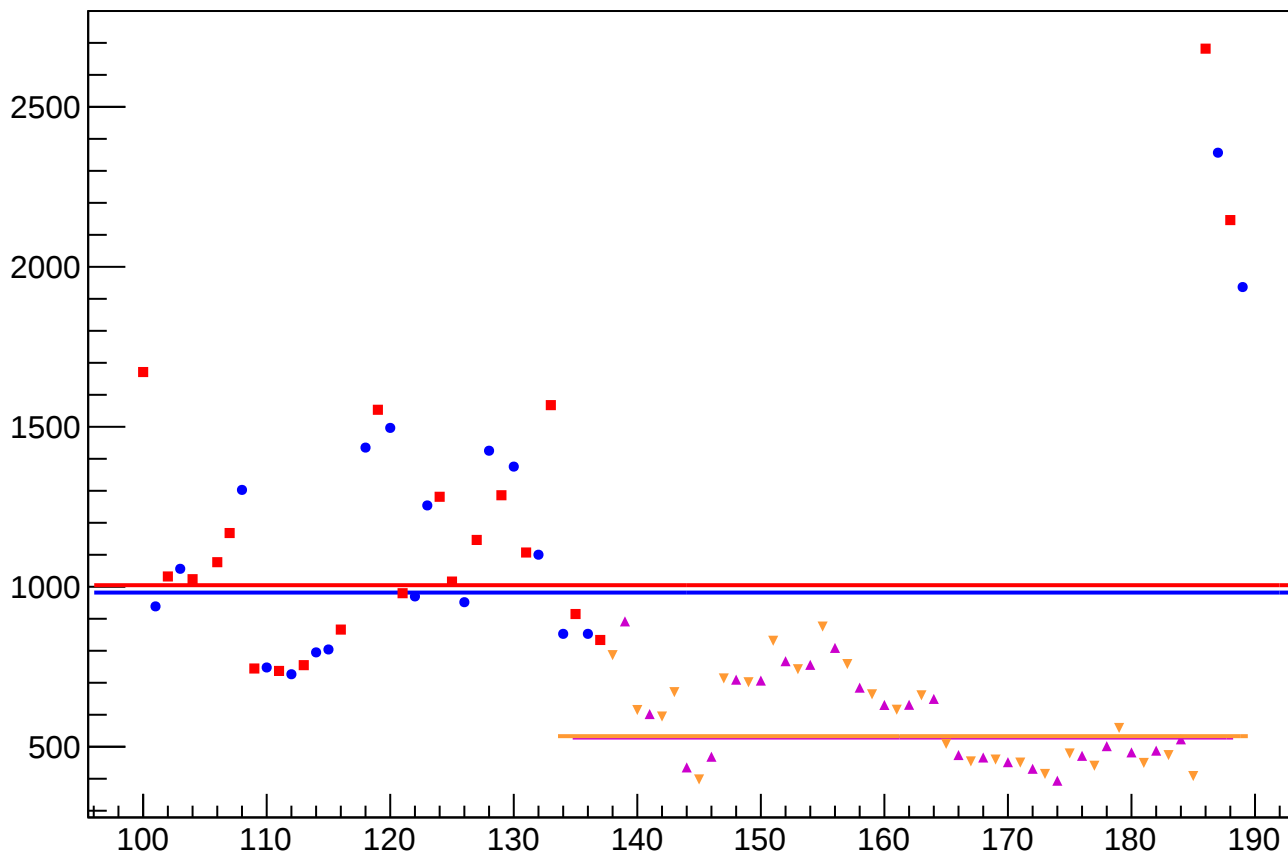
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 624.252 ± 121.296 χ^2/NDF : 86.7/43

All: 341.975 ± 86.233 χ^2/NDF : 140.1/87

- sign 53.509 ± 122.618 χ^2/NDF : 42.5/43

asym_sam_37_avg_rms vs Slug



Right In: 981.882 $\pm$ 0.269 χ^2/NDF : 966544.4/18

Left Out: 533.060 $\pm$ 0.090 χ^2/NDF : 1951536.4/24

Right Out: 1004.940 $\pm$ 0.259 χ^2/NDF : 1517916.0/20

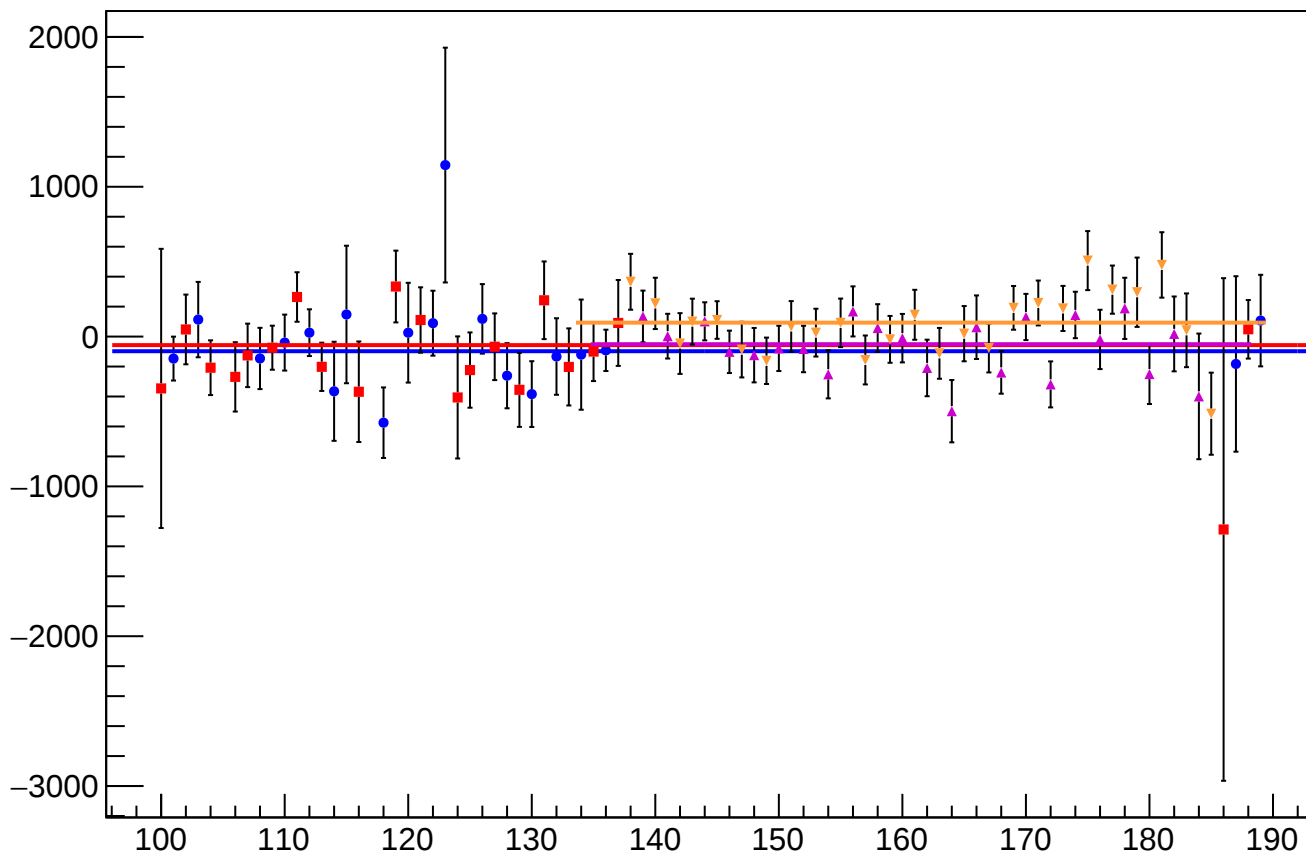
Left In: 528.694 $\pm$ 0.092 χ^2/NDF : 1688511.2/22

+ sign 578.600 $\pm$ 0.086 χ^2/NDF : 5414639.9/43

All: 580.315 $\pm$ 0.061 χ^2/NDF : 11624165.2/87

- sign 582.067 $\pm$ 0.087 χ^2/NDF : 6208717.1/43

reg_asym_sam_48_avg_mean vs Slug



Right In: -97.721 ± 52.035 χ^2/NDF : 13.7/18

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: -57.045 ± 49.255 χ^2/NDF : 16.1/20

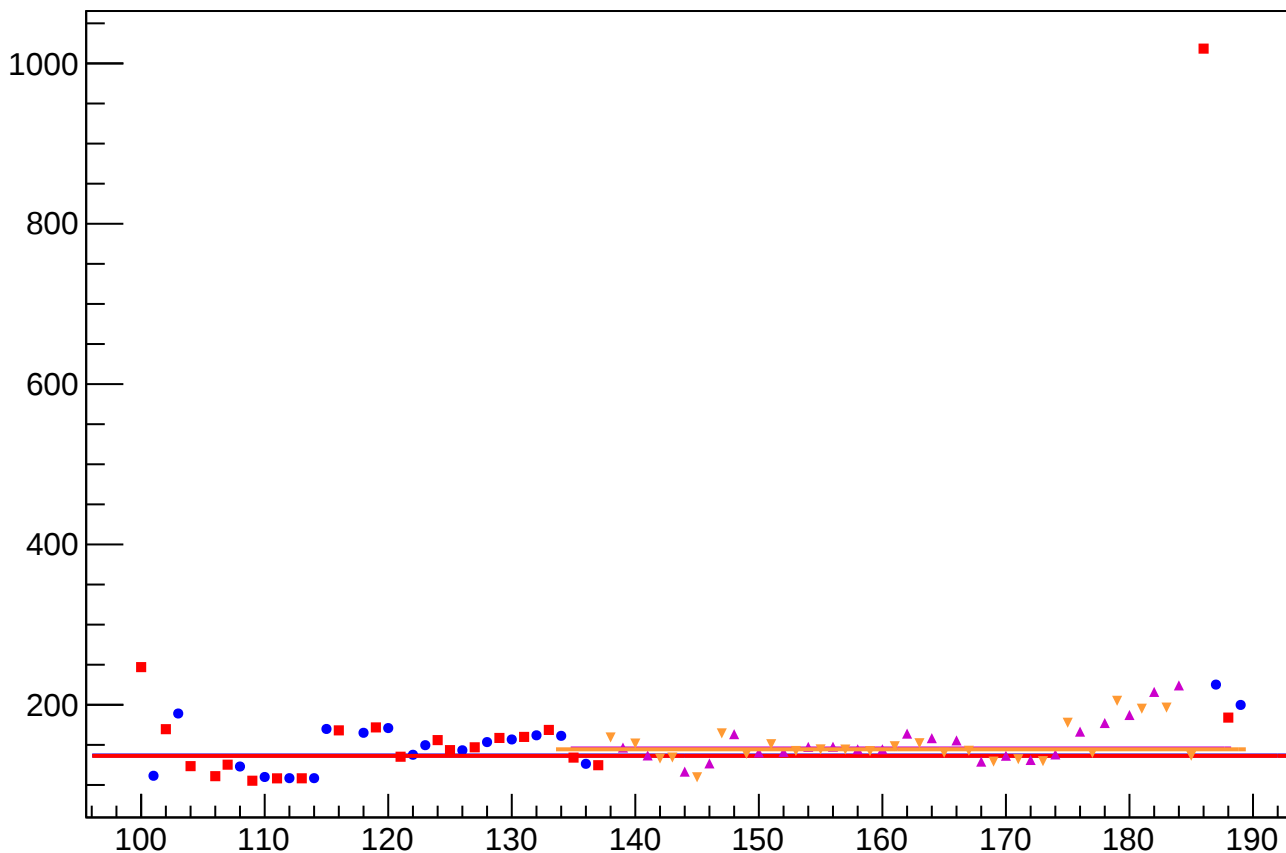
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 35.806 ± 28.494 χ^2/NDF : 52.5/43

All: -8.297 ± 20.214 χ^2/NDF : 96.9/87

- sign -52.981 ± 28.681 χ^2/NDF : 39.5/43

reg_asym_sam_48_avg_rms vs Slug



Right In: 136.747 $\pm$ 0.037 χ^2 /NDF: 538285.4/18

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 136.294 $\pm$ 0.035 χ^2 /NDF: 1128723.6/20

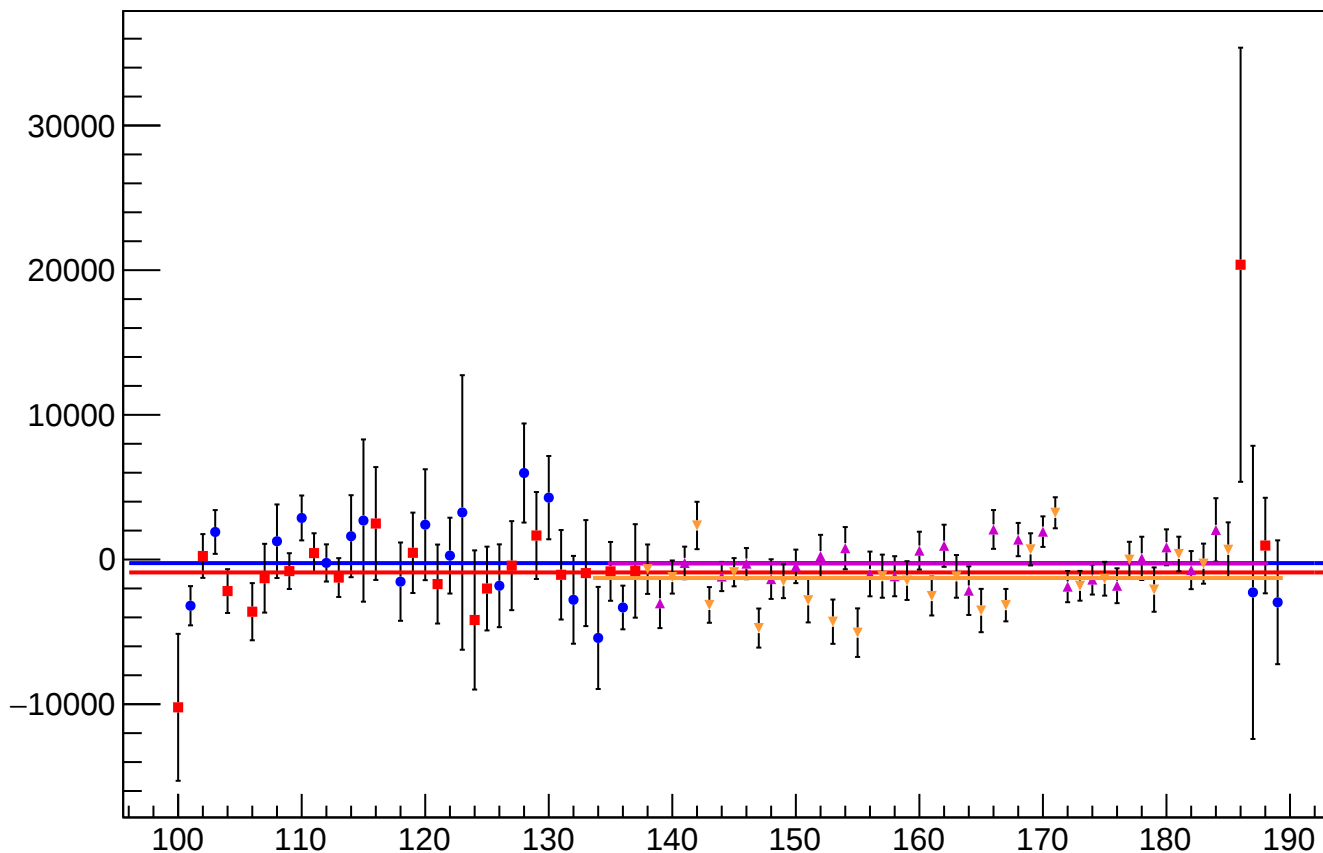
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 142.158 $\pm$ 0.020 χ^2 /NDF: 1239659.0/43

All: 142.279 $\pm$ 0.014 χ^2 /NDF: 3058511.0/87

- sign 142.401 $\pm$ 0.020 χ^2 /NDF: 1818779.4/43

asym_sam_48_avg_correction_mean vs Slug



Right In: -247.894 ± 520.296 $\chi^2/\text{NDF}: 26.2/18$

Left Out: -1279.328 ± 259.299 $\chi^2/\text{NDF}: 55.9/24$

Right Out: -892.384 ± 476.295 $\chi^2/\text{NDF}: 12.4/20$

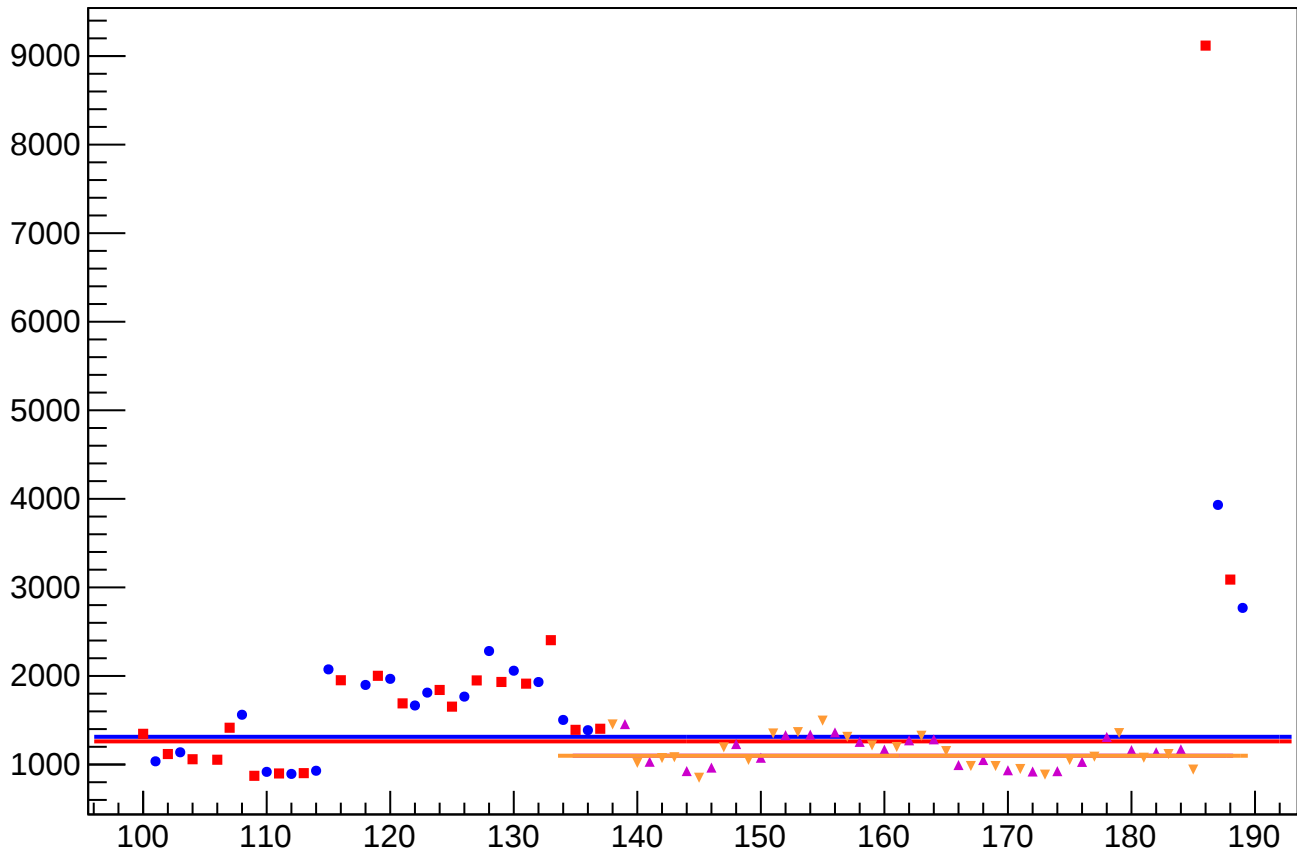
Left In: -269.952 ± 266.245 $\chi^2/\text{NDF}: 24.3/22$

+ sign -1074.118 ± 232.075 $\chi^2/\text{NDF}: 85.3/43$

All: -746.588 ± 164.217 $\chi^2/\text{NDF}: 127.2/87$

- sign -418.140 ± 232.400 $\chi^2/\text{NDF}: 37.9/43$

asym_sam_48_avg_correction_rms vs Slug



Right In: 1312.812+/-0.368 χ^2/NDF : 1542768.9/18

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

+ sign 1141.466+/-0.164 χ^2/NDF : 2637879.9/43

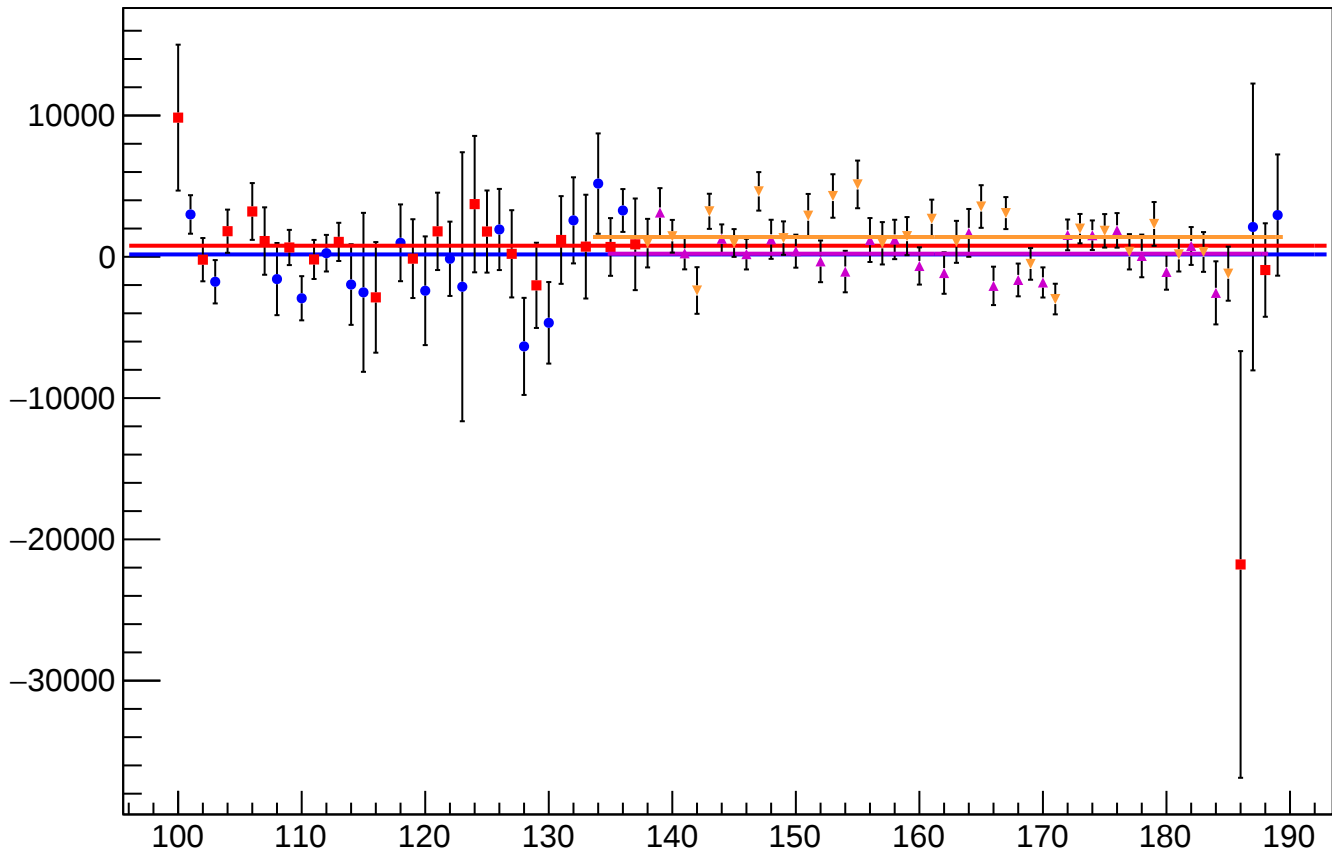
Right Out: 1261.115+/-0.337 χ^2/NDF : 2540609.0/20

All: 1139.757+/-0.116 χ^2/NDF : 6033867.9/87

Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

- sign 1138.042+/-0.164 χ^2/NDF : 3395770.6/43

asym_sam_48_avg_mean vs Slug



Right In: 167.730 ± 523.647 χ^2/NDF : 25.8/18

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 784.706 ± 479.885 χ^2/NDF : 11.0/20

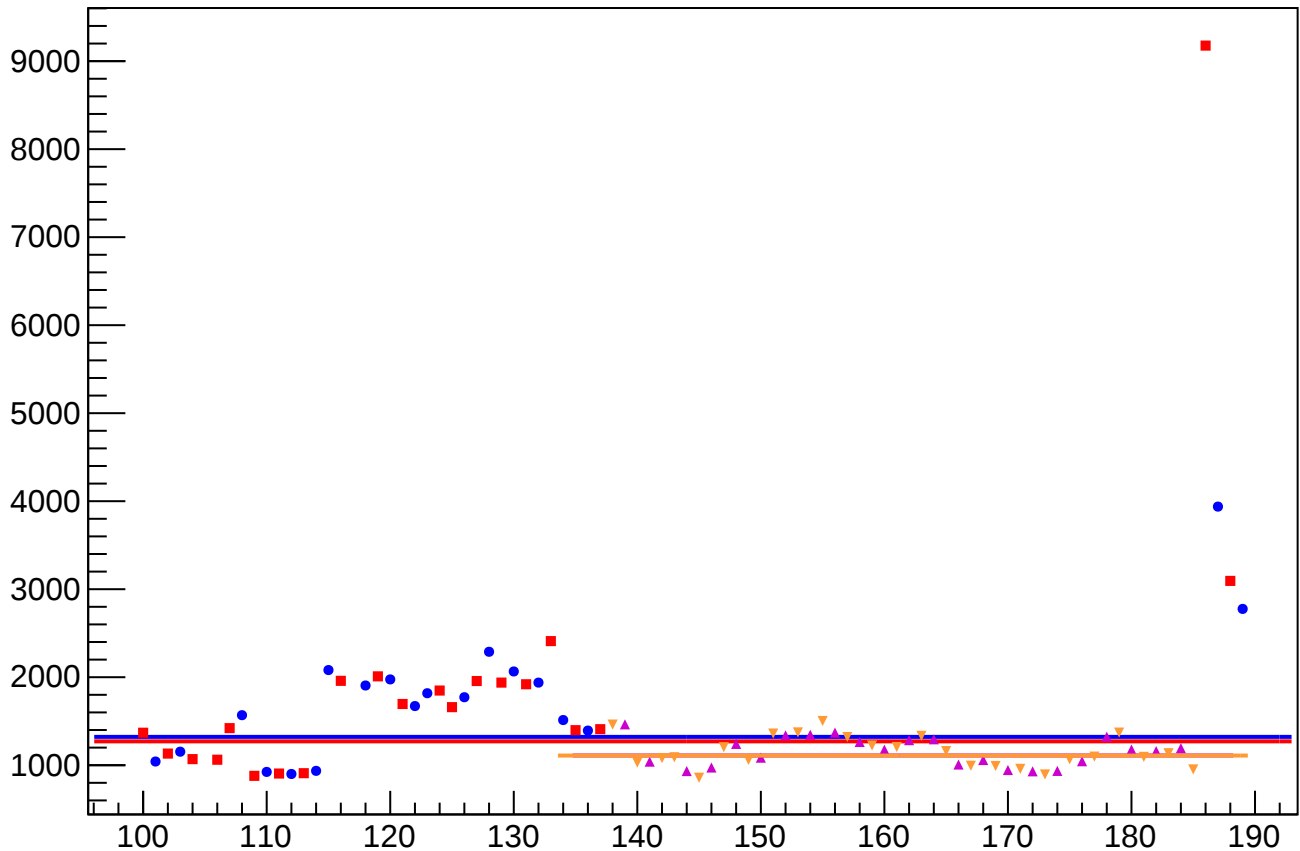
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1153.942 ± 234.168 χ^2/NDF : 82.4/43

All: 754.844 ± 165.717 χ^2/NDF : 125.3/87

- sign 354.441 ± 234.551 χ^2/NDF : 37.1/43

asym_sam_48_avg_rms vs Slug



Right In: 1322.125+/-0.370 χ^2/NDF : 1527429.9/18

Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24

Right Out: 1271.101+/-0.339 χ^2/NDF : 2520504.7/20

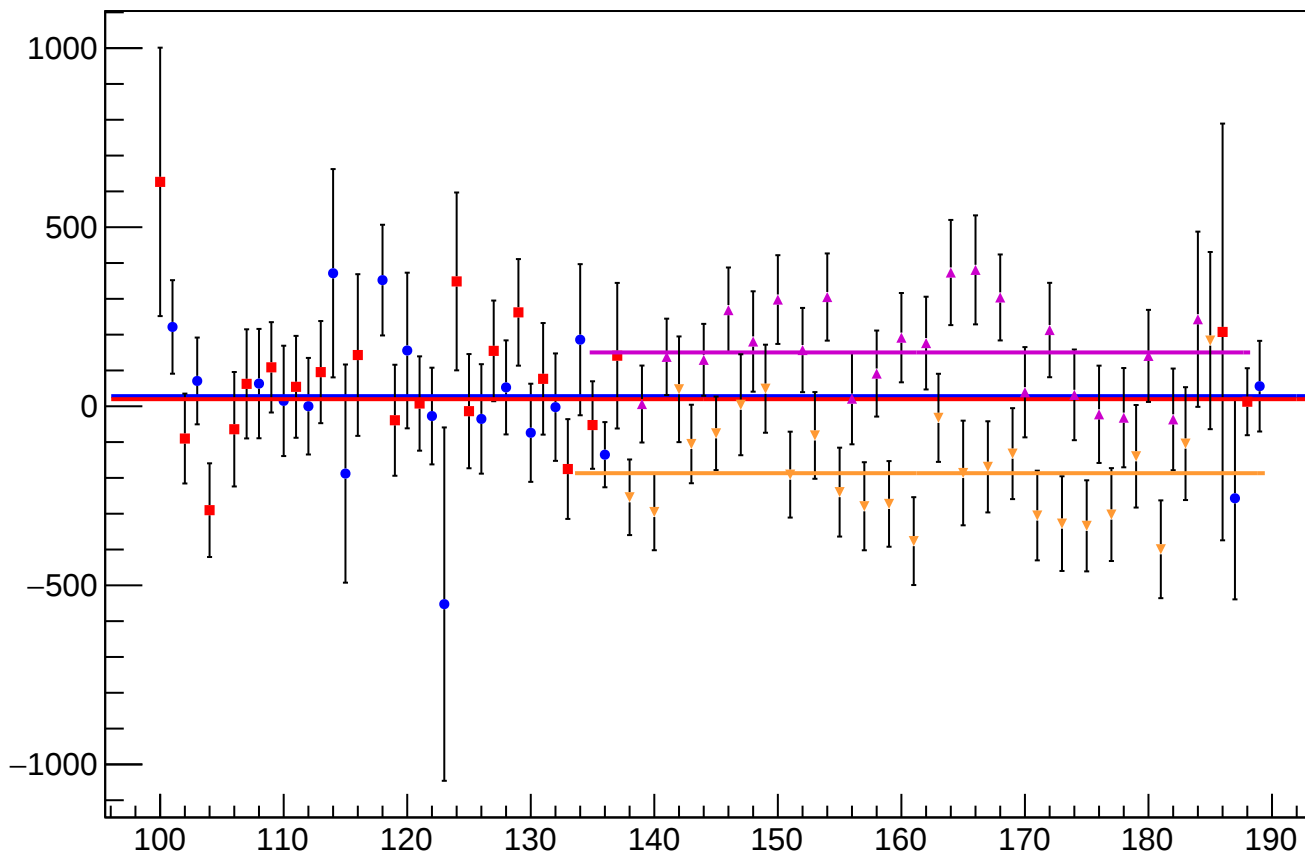
Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

+ sign 1152.229+/-0.166 χ^2/NDF : 2602763.2/43

All: 1150.566+/-0.117 χ^2/NDF : 5963800.1/87

- sign 1148.898+/-0.166 χ^2/NDF : 3360834.9/43

reg_asym_sam_15_dd_mean vs Slug



Right In: 28.294+/-34.749 χ^2/NDF : 16.3/18

Left Out: -186.838+/-25.308 χ^2/NDF : 26.6/24

Right Out: 19.802+/-32.543 χ^2/NDF : 18.9/20

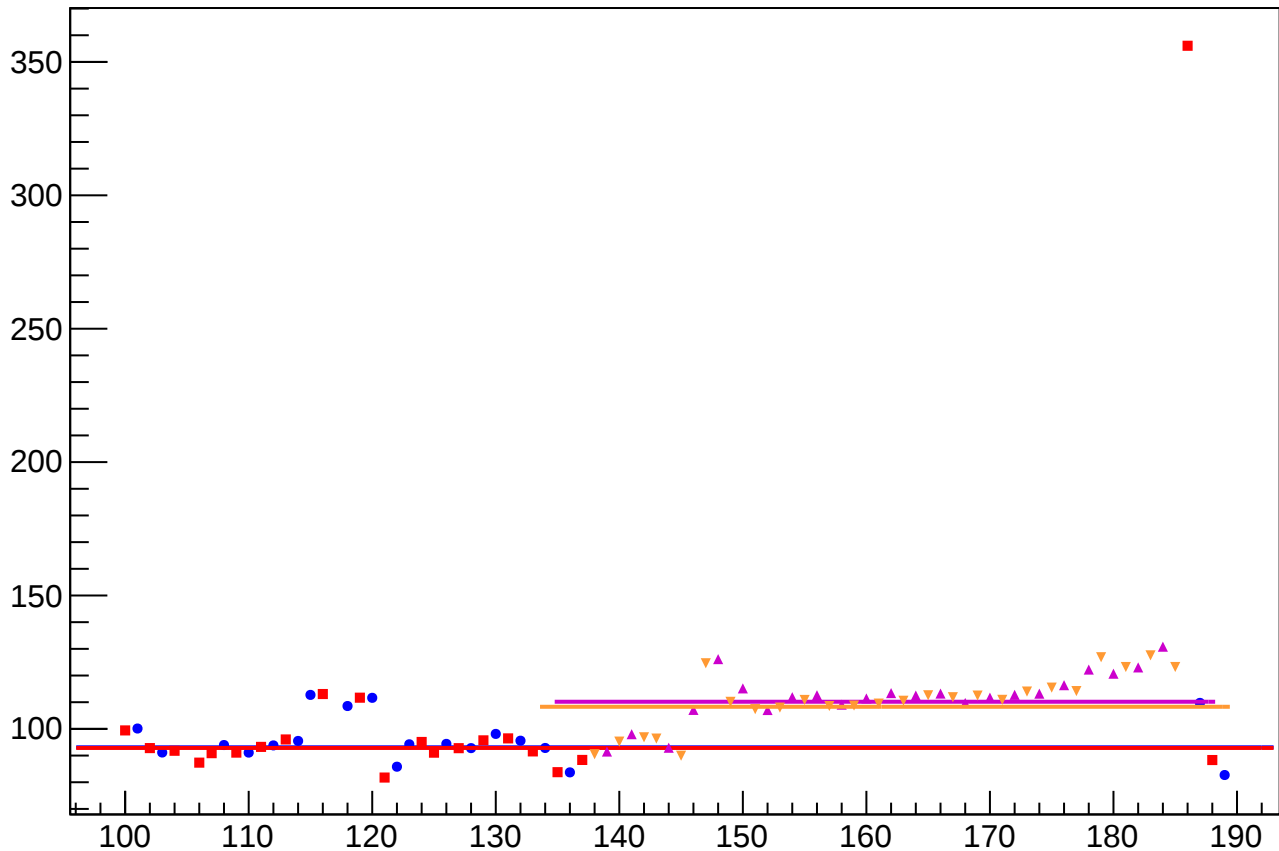
Left In: 150.315+/-26.445 χ^2/NDF : 20.7/22

+ sign -112.274+/-20.457 χ^2/NDF : 67.9/43

All: -7.271+/-14.489 χ^2/NDF : 170.1/87

- sign 98.408+/-20.523 χ^2/NDF : 49.3/43

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.088 $\pm$ 0.025 χ^2 /NDF: 100789.6/18

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 92.858 $\pm$ 0.023 χ^2 /NDF: 493046.9/20

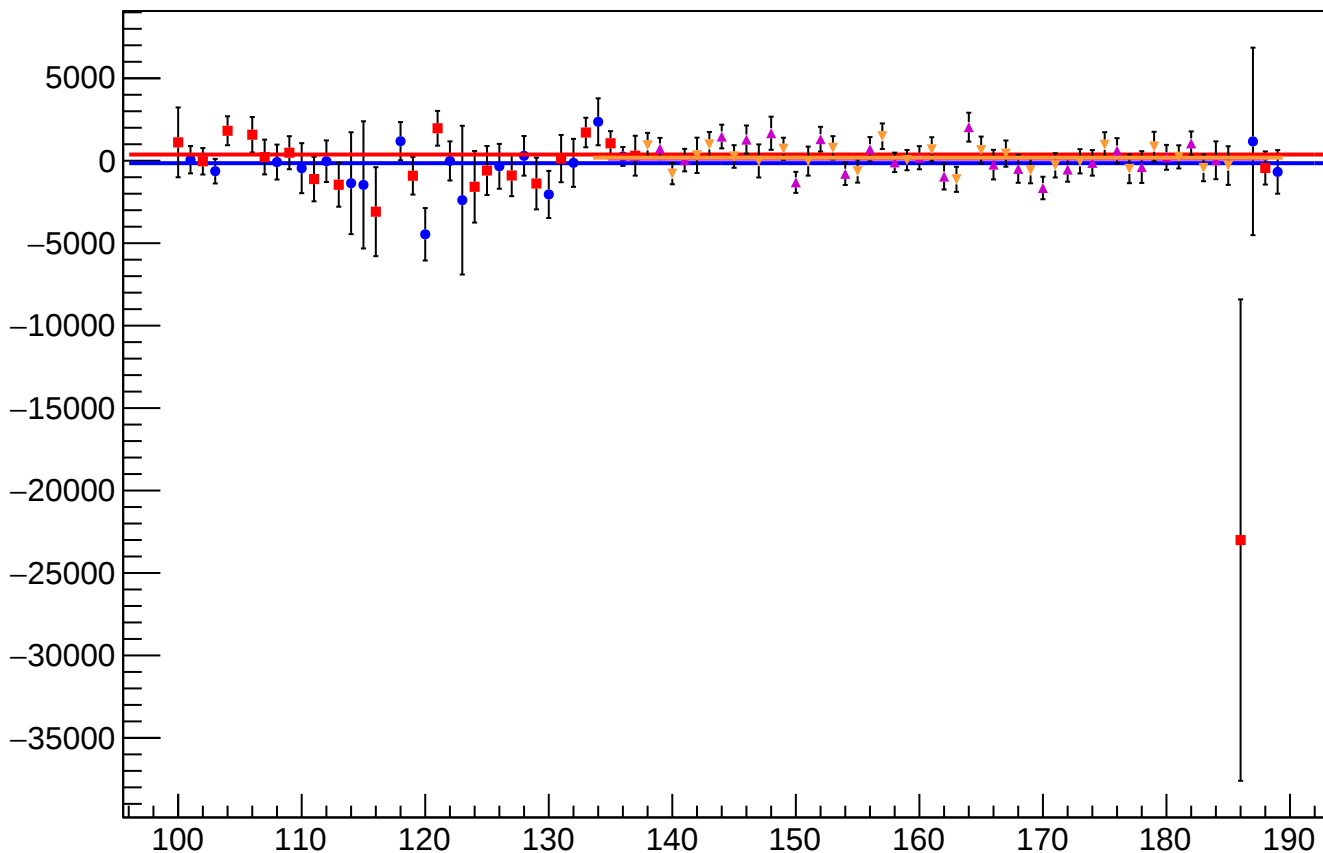
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 103.019 $\pm$ 0.014 χ^2 /NDF: 681517.0/43

All: 103.153 $\pm$ 0.010 χ^2 /NDF: 1762705.3/87

- sign 103.287 $\pm$ 0.015 χ^2 /NDF: 1081017.9/43

asym_sam_15_dd_correction_mean vs Slug



Right In: -148.110 ± 270.864 χ^2/NDF : 15.5/18

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 375.792 ± 252.307 χ^2/NDF : 22.5/20

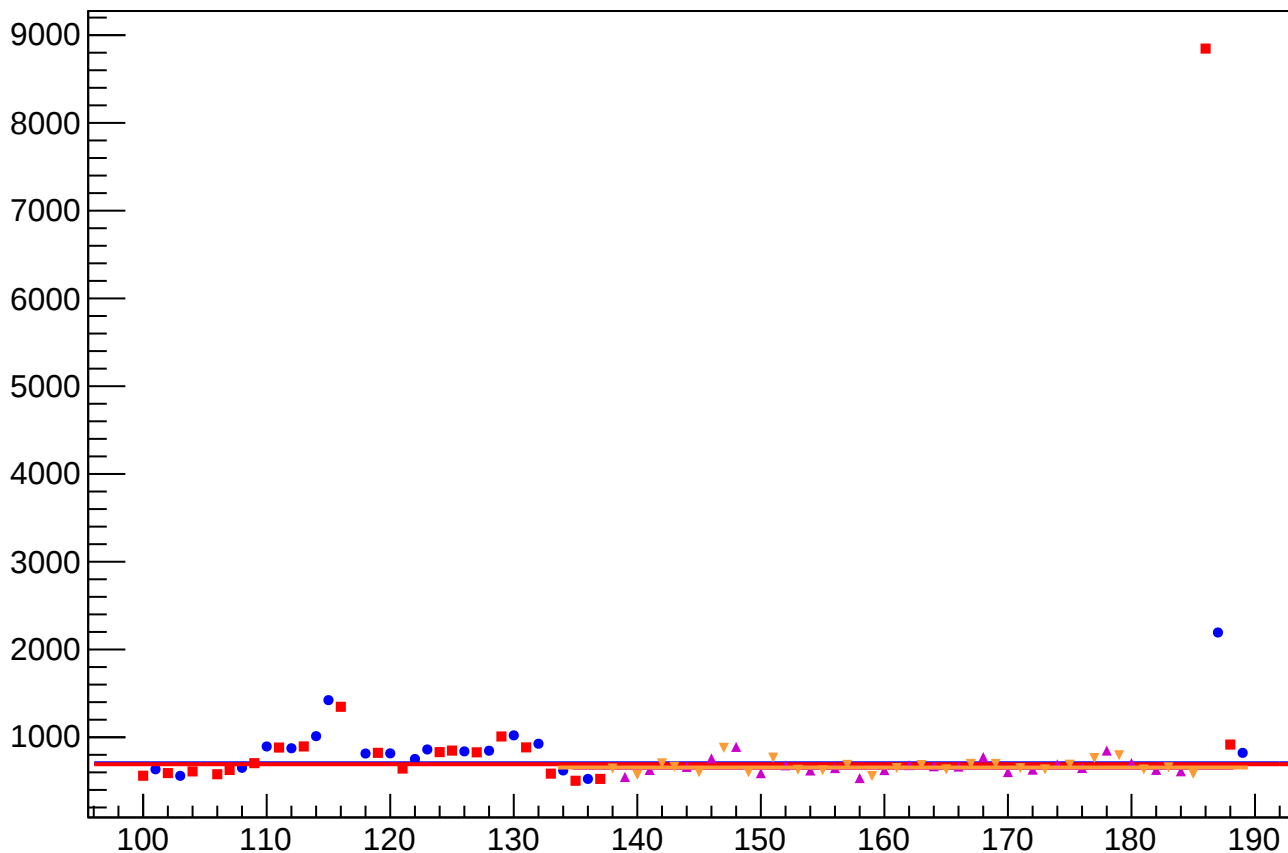
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 104.176 ± 133.667 χ^2/NDF : 35.0/43

All: 151.097 ± 94.420 χ^2/NDF : 94.7/87

- sign 197.827 ± 133.395 χ^2/NDF : 59.4/43

asym_sam_15_dd_correction_rms vs Slug



Right In: 703.566 $\pm$ 0.192 χ^2 /NDF: 833420.4/18

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 692.664 $\pm$ 0.178 χ^2 /NDF: 1412480.4/20

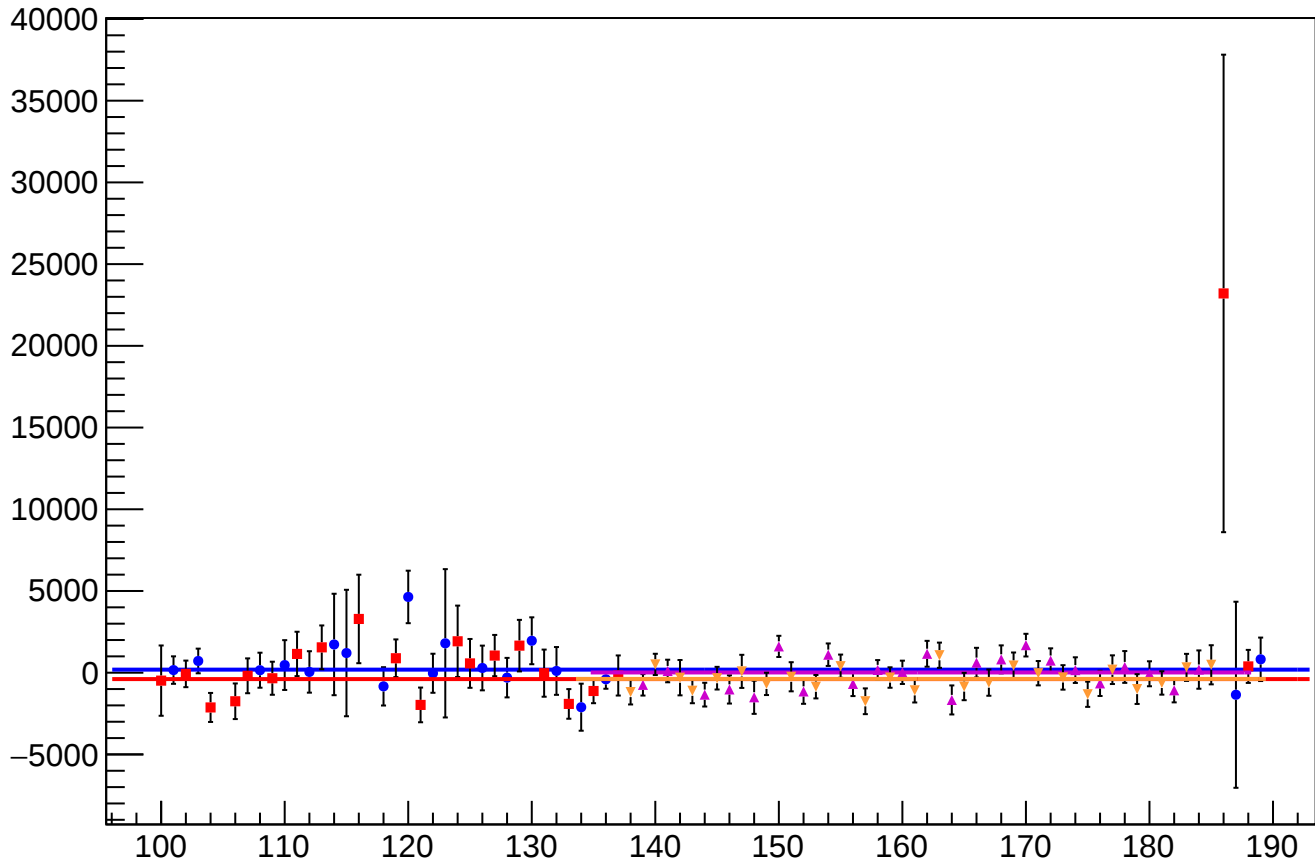
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 666.945 $\pm$ 0.095 χ^2 /NDF: 1249099.3/43

All: 664.749 $\pm$ 0.067 χ^2 /NDF: 3168286.9/87

- sign 662.562 $\pm$ 0.094 χ^2 /NDF: 1918110.3/43

asym_sam_15_dd_mean vs Slug



Right In: 187.803 $\pm$ 273.519 χ^2 /NDF: 15.0/18

Left Out: -379.470 $\pm$ 155.892 χ^2 /NDF:18.8/24

Right Out: -390.498 $\pm$ 254.833 χ^2 /NDF: 25.8/20

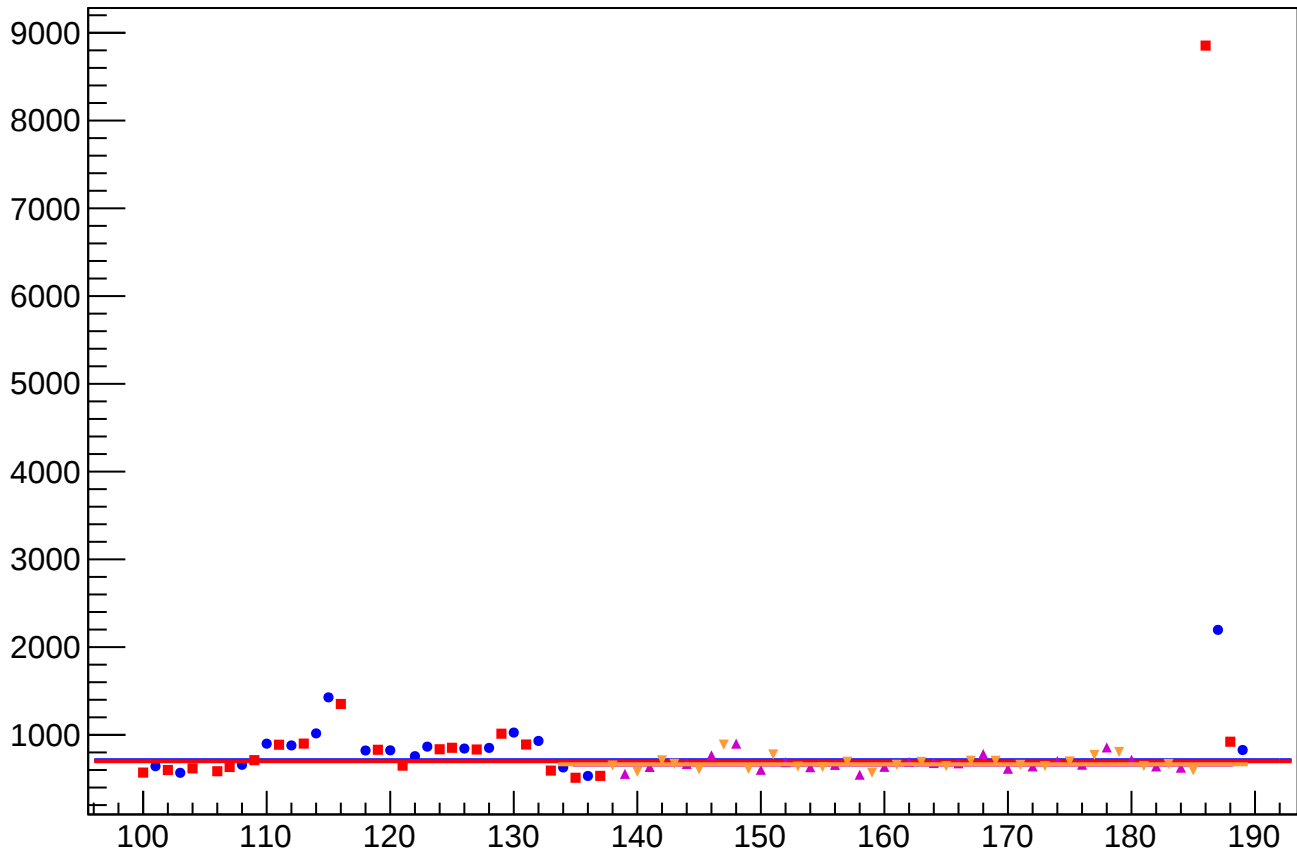
Left In: 14.768 $\pm$ 159.513 χ^2 /NDF:37.2/22

+ sign -240.379 $\pm$ 135.438 χ^2 /NDF: 37.1/43

All: -169.730 $\pm$ 95.688 χ^2 /NDF: 102.5/87

- sign -99.320 $\pm$ 135.209 χ^2 /NDF: 64.8/43

asym_sam_15_dd_rms vs Slug



Right In: 711.029 $\pm$ 0.193 χ^2 /NDF: 814292.6/18

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 700.235 $\pm$ 0.180 χ^2 /NDF: 1391513.6/20

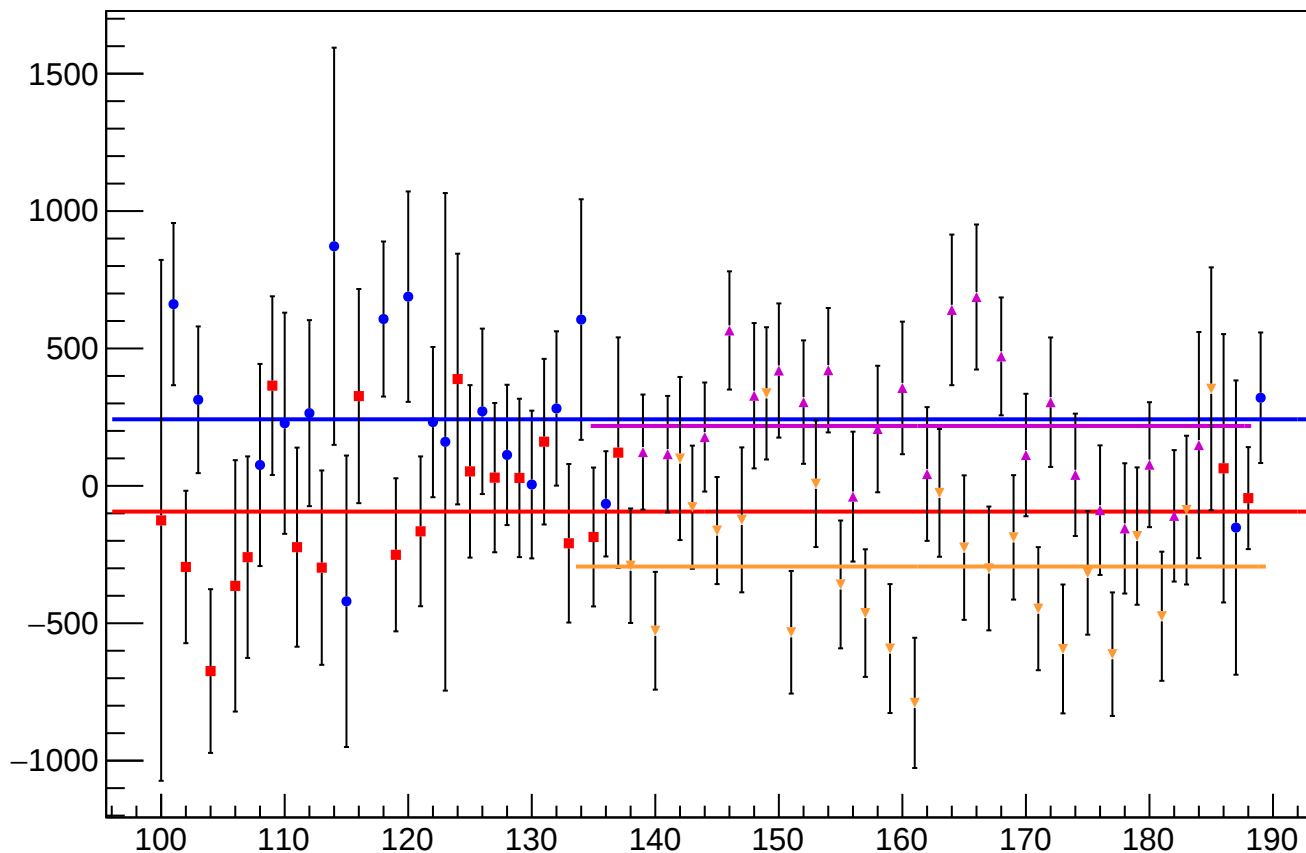
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 676.114 $\pm$ 0.096 χ^2 /NDF: 1214521.4/43

All: 674.037 $\pm$ 0.068 χ^2 /NDF: 3090409.0/87

- sign 671.967 $\pm$ 0.096 χ^2 /NDF: 1874948.2/43

reg_asym_sam_26_dd_mean vs Slug



Right In: 242.211 $\pm$ 71.822 χ^2 /NDF: 12.6/18

Left Out: -293.590 $\pm$ 47.203 χ^2 /NDF:30.3/24

Right Out: -93.639 $\pm$ 68.396 χ^2 /NDF: 12.0/20

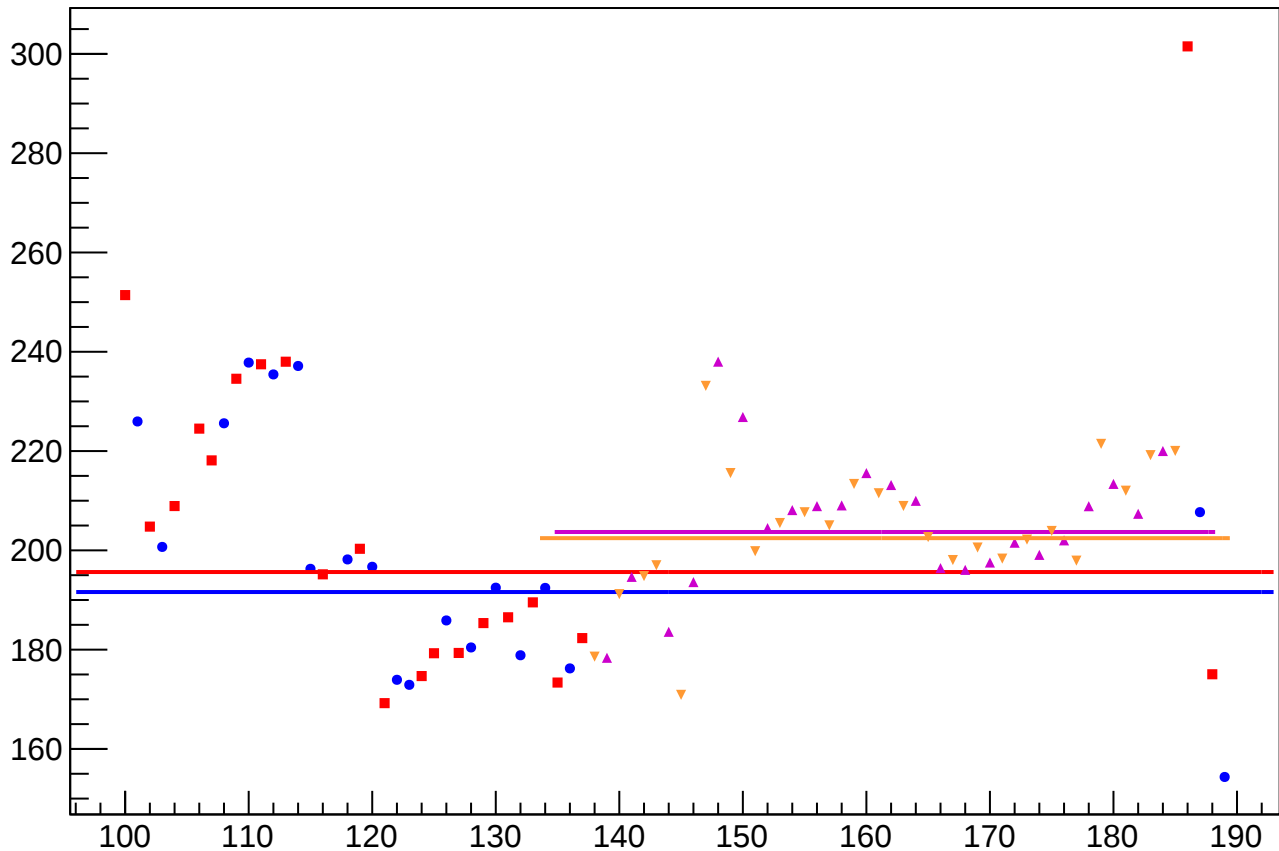
Left In: 217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

+ sign -131.968 $\pm$ 39.446 χ^2 /NDF: 81.8/43

All: -10.481 $\pm$ 27.994 χ^2 /NDF: 148.0/87

- sign 112.794 $\pm$ 39.735 χ^2 /NDF: 47.1/43

reg_asym_sam_26_dd_rms vs Slug



Right In: 191.606 $\pm$ 0.051 χ^2 /NDF: 197749.6/18

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 195.635 $\pm$ 0.048 χ^2 /NDF: 290323.8/20

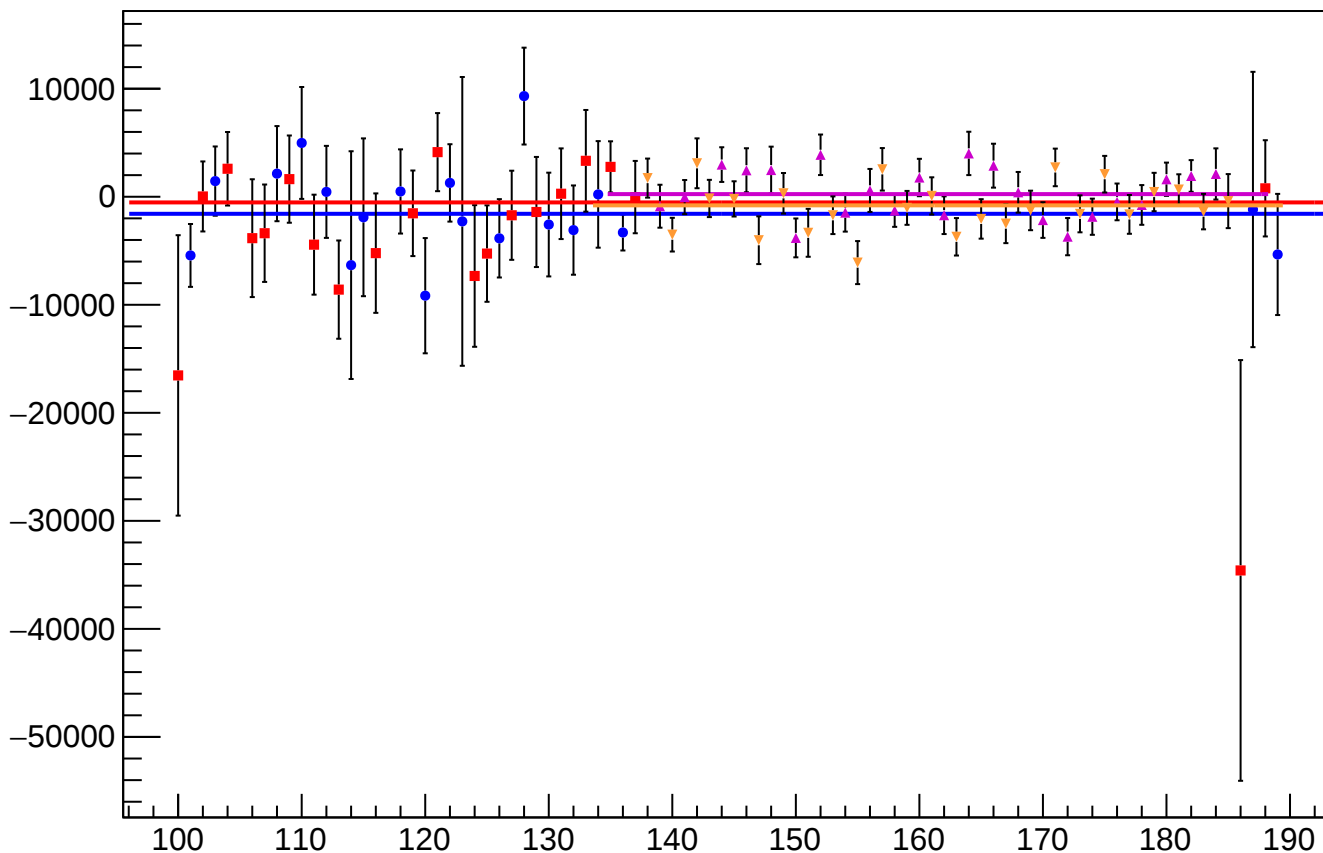
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 199.185 $\pm$ 0.028 χ^2 /NDF: 388222.3/43

All: 200.074 $\pm$ 0.020 χ^2 /NDF: 835205.2/87

- sign 200.977 $\pm$ 0.028 χ^2 /NDF: 444933.7/43

asym_sam_26_dd_correction_mean vs Slug



Right In: -1578.379 ± 898.469 χ^2/NDF : 16.5/18

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -524.849 ± 915.482 χ^2/NDF : 17.9/20

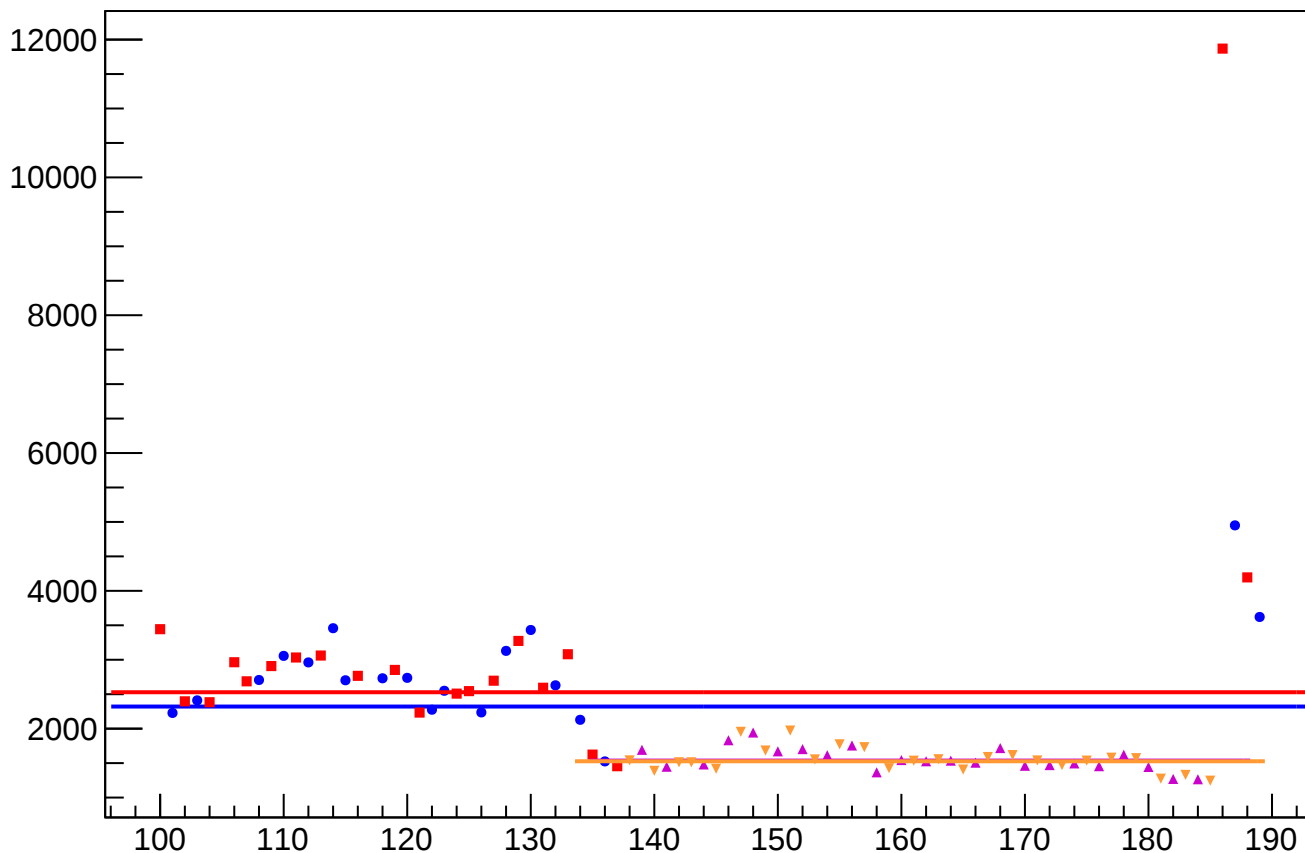
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -903.576 ± 332.452 χ^2/NDF : 52.9/43

All: -399.377 ± 238.694 χ^2/NDF : 111.8/87

- sign 137.071 ± 342.920 χ^2/NDF : 54.2/43

asym_sam_26_dd_correction_rms vs Slug



Right In: 2320.865 ± 0.635 $\chi^2/\text{NDF}: 1005067.2/18$

Left Out: 1526.712 ± 0.253 $\chi^2/\text{NDF}: 394892.7/24$

Right Out: 2528.569 ± 0.647 $\chi^2/\text{NDF}: 1443848.7/20$

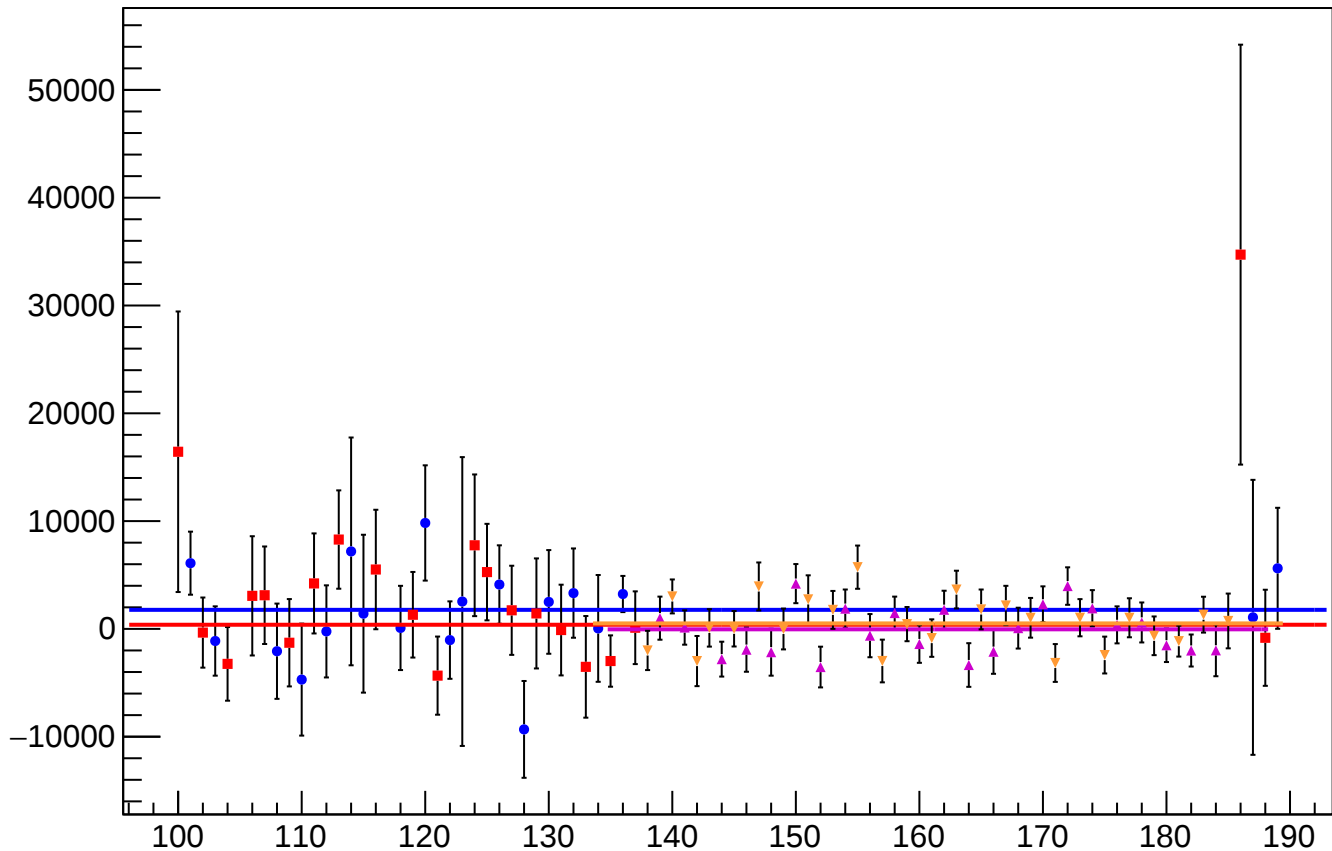
Left In: 1536.538 ± 0.262 $\chi^2/\text{NDF}: 350373.3/22$

+ sign 1635.443 ± 0.235 $\chi^2/\text{NDF}: 2748571.1/43$

All: 1654.962 ± 0.169 $\chi^2/\text{NDF}: 6575962.0/87$

- sign 1675.729 ± 0.242 $\chi^2/\text{NDF}: 3813162.3/43$

asym_sam_26_dd_mean vs Slug



Right In: 1767.799 $\pm$ 902.343 χ^2 /NDF: 16.9/18

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 384.880 $\pm$ 919.088 χ^2 /NDF: 18.2/20

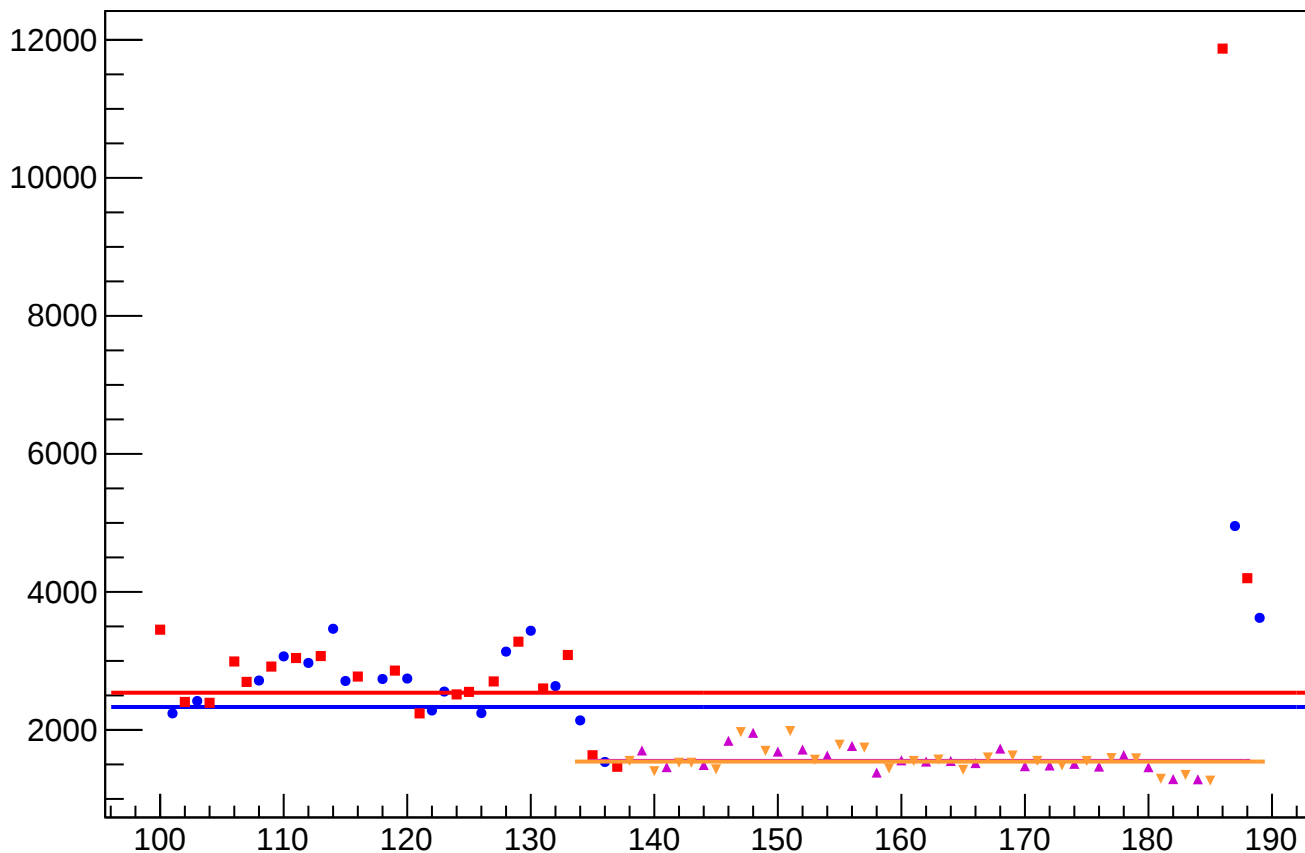
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 681.944 $\pm$ 335.310 χ^2 /NDF: 54.0/43

All: 361.235 $\pm$ 240.733 χ^2 /NDF: 107.8/87

- sign 20.087 $\pm$ 345.829 χ^2 /NDF: 52.0/43

asym_sam_26_dd_rms vs Slug



Right In: 2332.192+/-0.638 χ^2 /NDF: 991269.6/18

Left Out: 1541.258+/-0.255 χ^2 /NDF: 382045.4/24

Right Out: 2539.080+/-0.650 χ^2 /NDF: 1432222.9/20

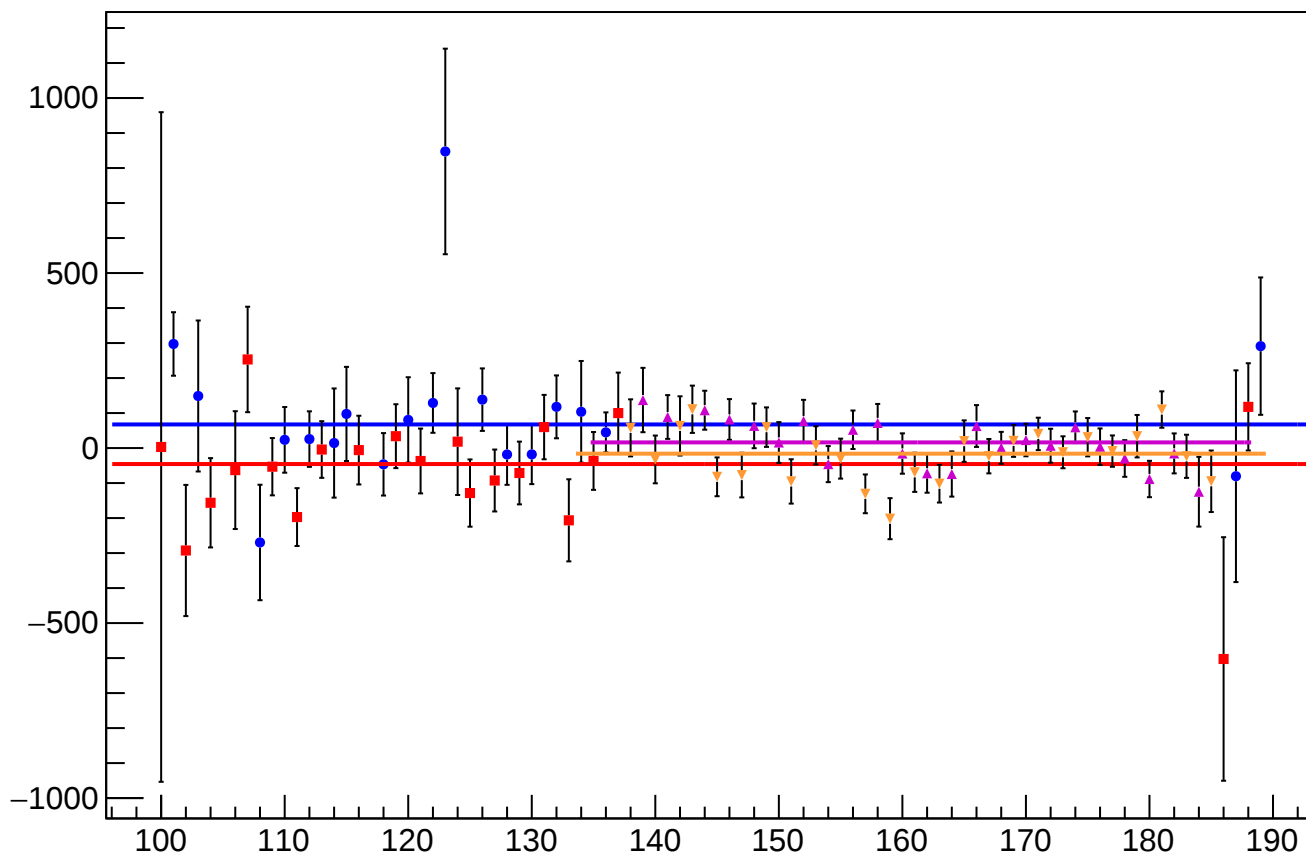
Left In: 1551.063+/-0.264 χ^2 /NDF: 338898.9/22

+ sign 1650.475+/-0.237 χ^2 /NDF: 2697748.5/43

All: 1670.087+/-0.170 χ^2 /NDF: 6466996.3/87

- sign 1690.949+/-0.245 χ^2 /NDF: 3755127.6/43

reg_asym_sam_37_dd_mean vs Slug



Right In: 67.456 ± 23.549 $\chi^2/\text{NDF}: 25.3/18$

Left Out: -16.049 ± 11.340 $\chi^2/\text{NDF}: 39.7/24$

Right Out: -45.701 ± 23.261 $\chi^2/\text{NDF}: 21.4/20$

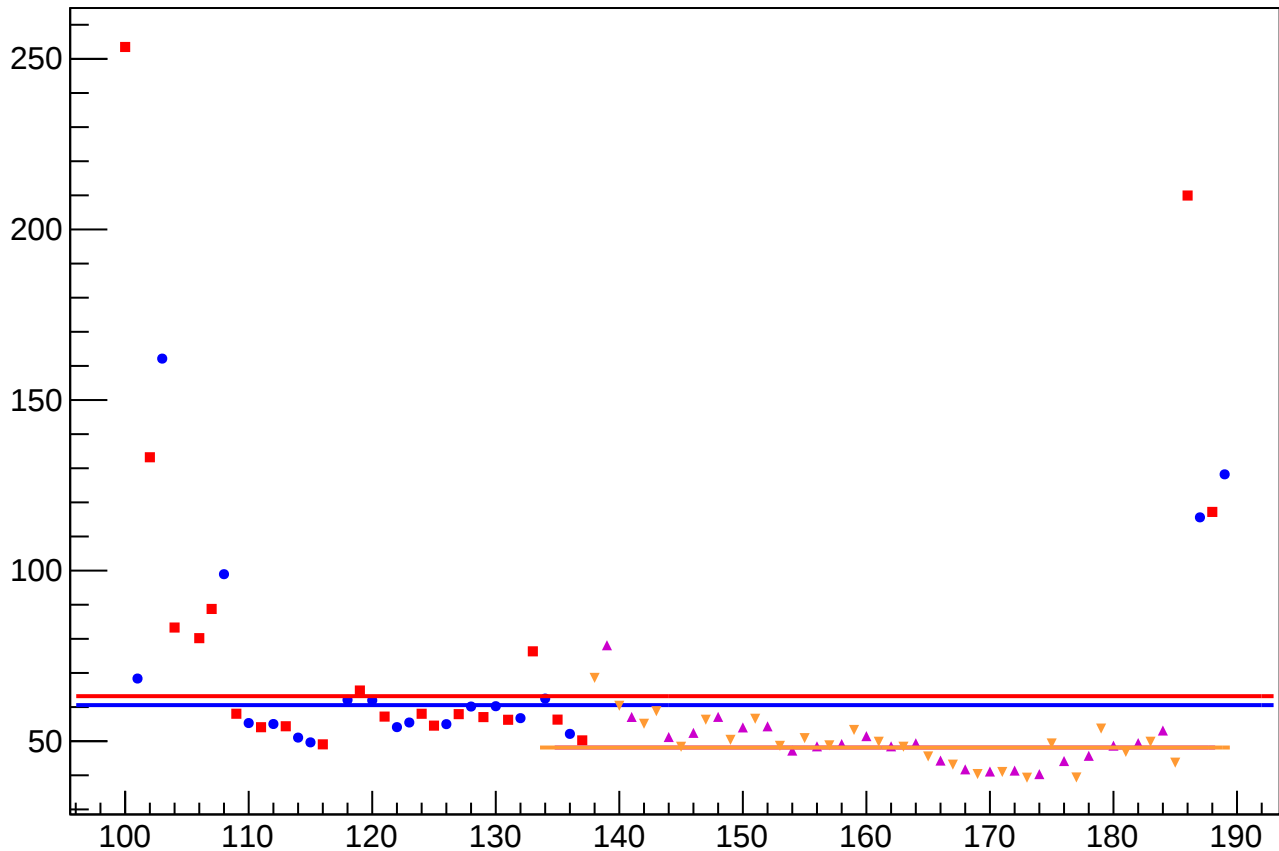
Left In: 16.162 ± 11.649 $\chi^2/\text{NDF}: 25.2/22$

+ sign -0.331 ± 10.217 $\chi^2/\text{NDF}: 75.2/43$

All: 1.673 ± 7.294 $\chi^2/\text{NDF}: 127.5/87$

- sign 3.756 ± 10.416 $\chi^2/\text{NDF}: 52.3/43$

reg_asym_sam_37_dd_rms vs Slug



Right In: 60.571 $\pm$ 0.017 χ^2 /NDF: 975526.7/18

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 63.197 $\pm$ 0.016 χ^2 /NDF: 1433970.9/20

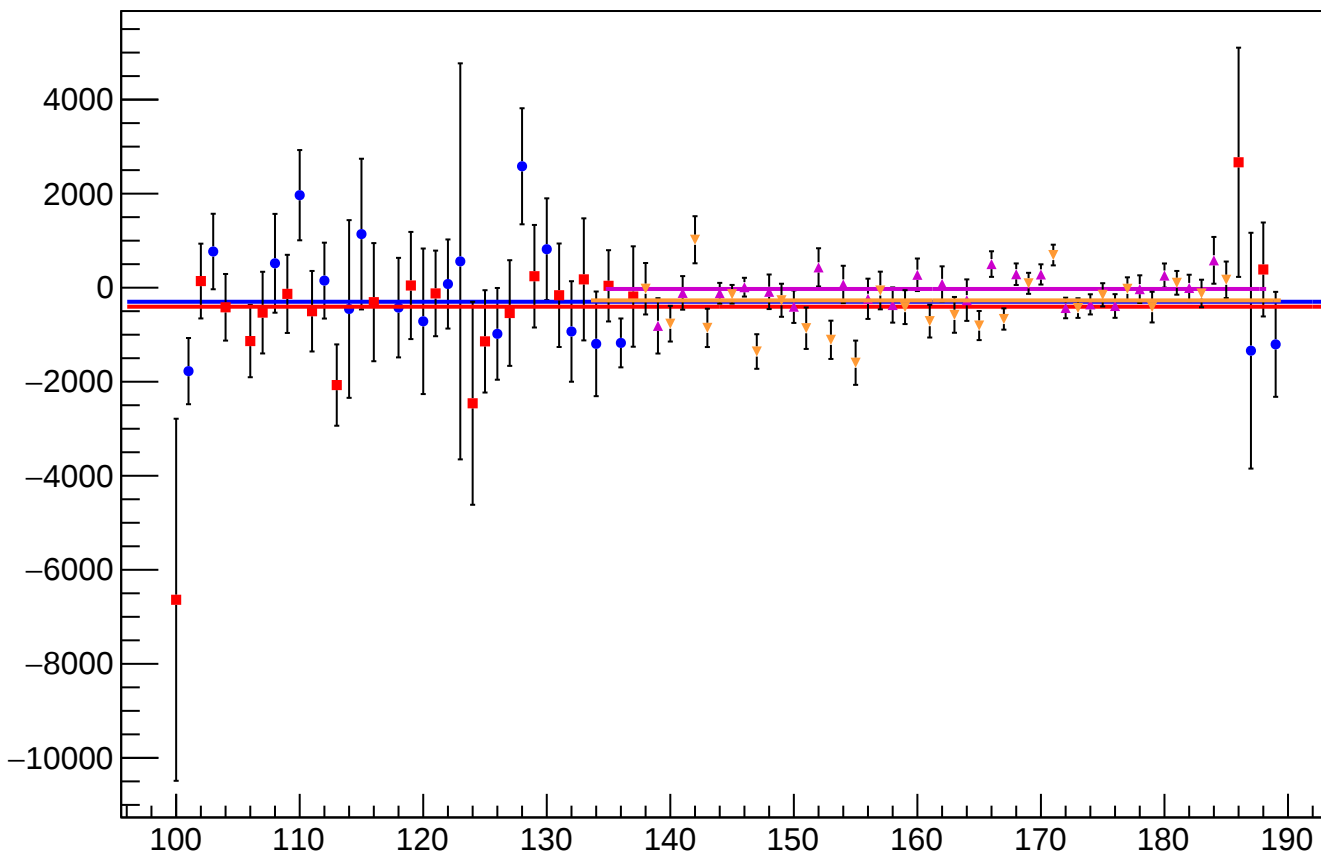
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 50.480 $\pm$ 0.007 χ^2 /NDF: 2083119.6/43

All: 50.813 $\pm$ 0.005 χ^2 /NDF: 4766473.0/87

- sign 51.159 $\pm$ 0.007 χ^2 /NDF: 2679033.6/43

asym_sam_37_dd_correction_mean vs Slug



Right In: -299.342 ± 228.502 χ^2/NDF : 25.4/18

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -404.662 ± 216.599 χ^2/NDF : 12.7/20

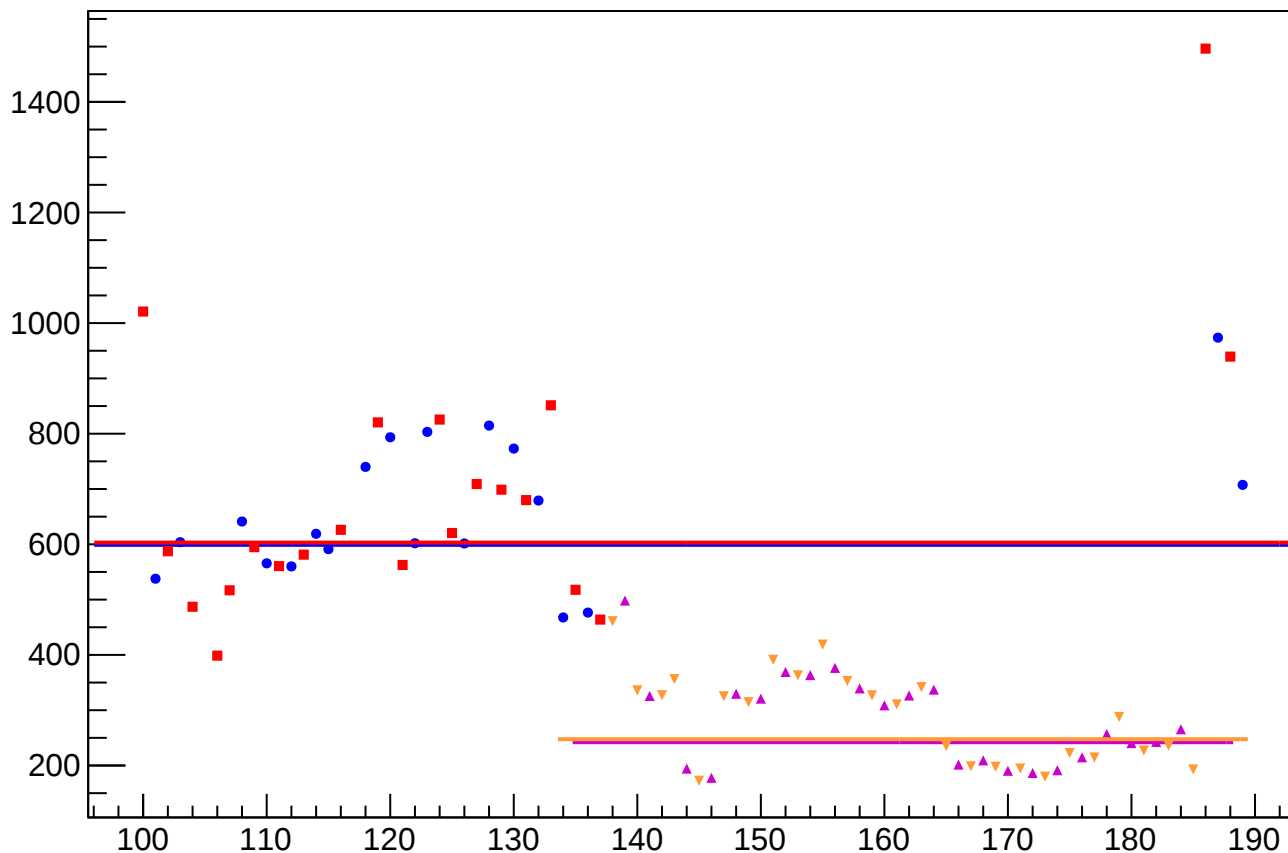
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -272.103 ± 58.193 χ^2/NDF : 95.5/43

All: -163.340 ± 41.154 χ^2/NDF : 143.1/87

- sign -54.525 ± 58.207 χ^2/NDF : 40.6/43

asym_sam_37_dd_correction_rms vs Slug



Right In: 599.060 $\pm$ 0.162 χ^2 /NDF: 424071.7/18

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 603.122 $\pm$ 0.153 χ^2 /NDF: 1015120.1/20

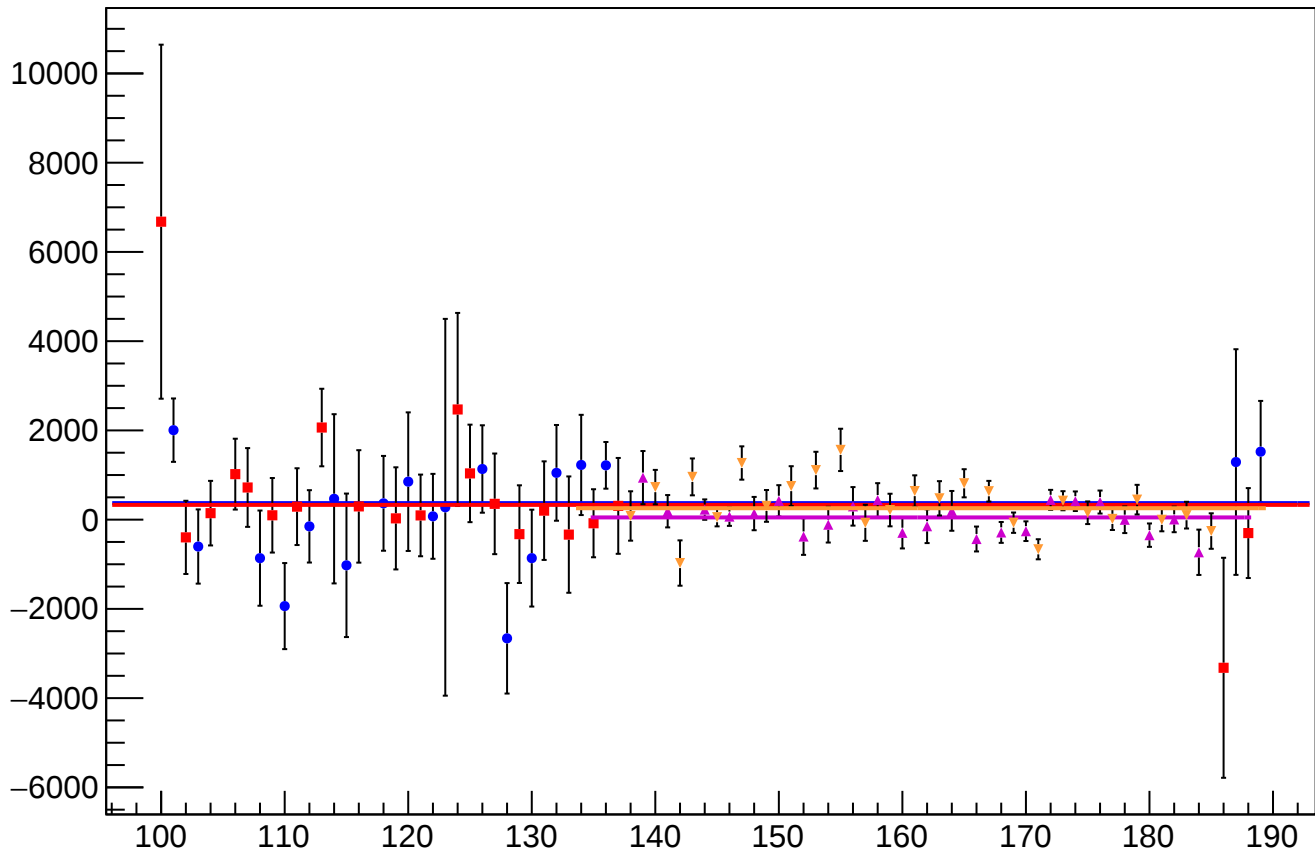
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 270.367 $\pm$ 0.041 χ^2 /NDF: 7630412.2/43

All: 269.278 $\pm$ 0.029 χ^2 /NDF: 16267585.8/87

- sign 268.188 $\pm$ 0.041 χ^2 /NDF: 8635771.0/43

asym_sam_37_dd_mean vs Slug



Right In: 370.204 $\pm$ 230.539 χ^2 /NDF: 27.7/18

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF: 63.6/24

Right Out: 331.155 $\pm$ 219.052 χ^2 /NDF: 13.5/20

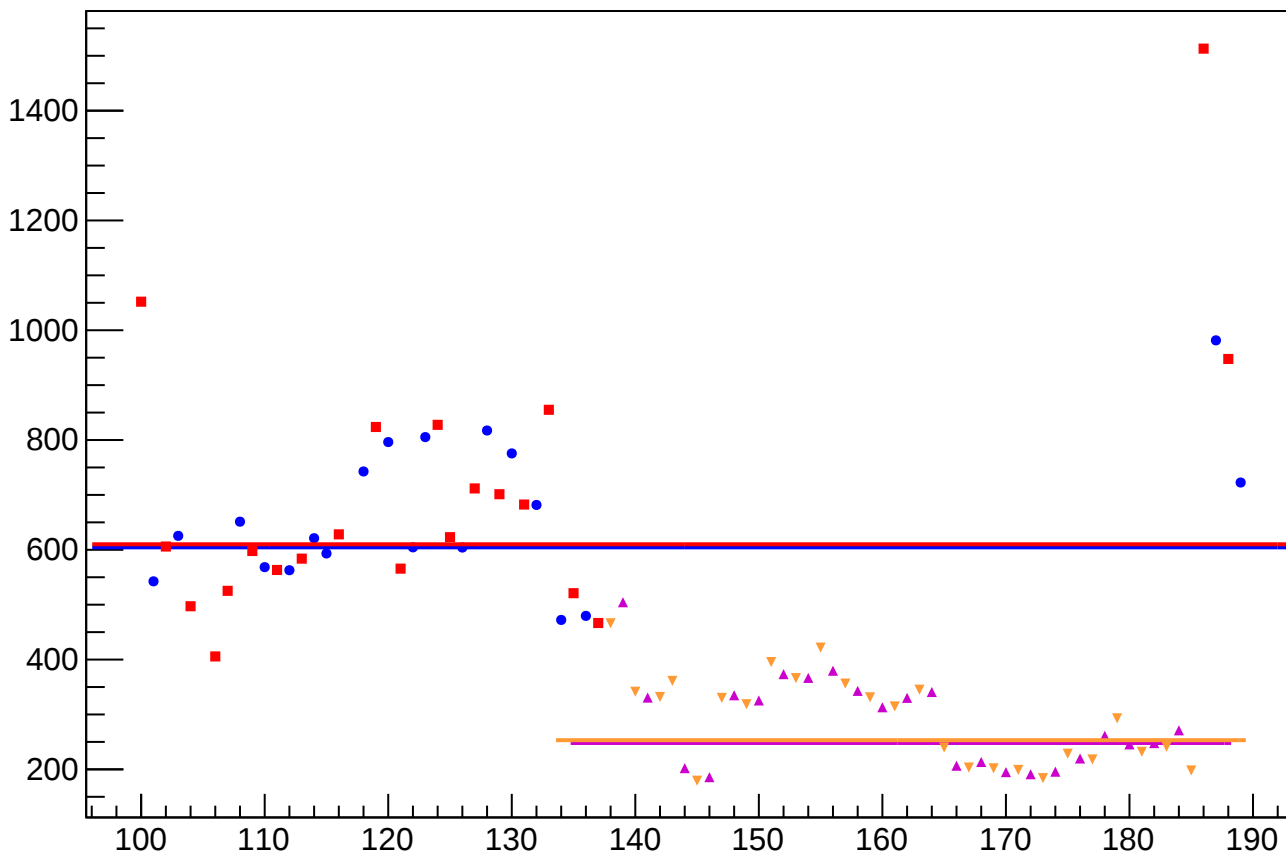
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF: 27.5/22

+ sign 263.564 $\pm$ 59.348 χ^2 /NDF: 91.6/43

All: 167.246 $\pm$ 42.006 χ^2 /NDF: 139.4/87

- sign 70.561 $\pm$ 59.461 χ^2 /NDF: 42.5/43

asym_sam_37_dd_rms vs Slug



Right In: 604.483+/-0.163 χ^2/NDF : 424488.1/18

Left Out: 253.137+/-0.043 χ^2/NDF : 2665975.8/24

Right Out: 610.056+/-0.155 χ^2/NDF : 993117.4/20

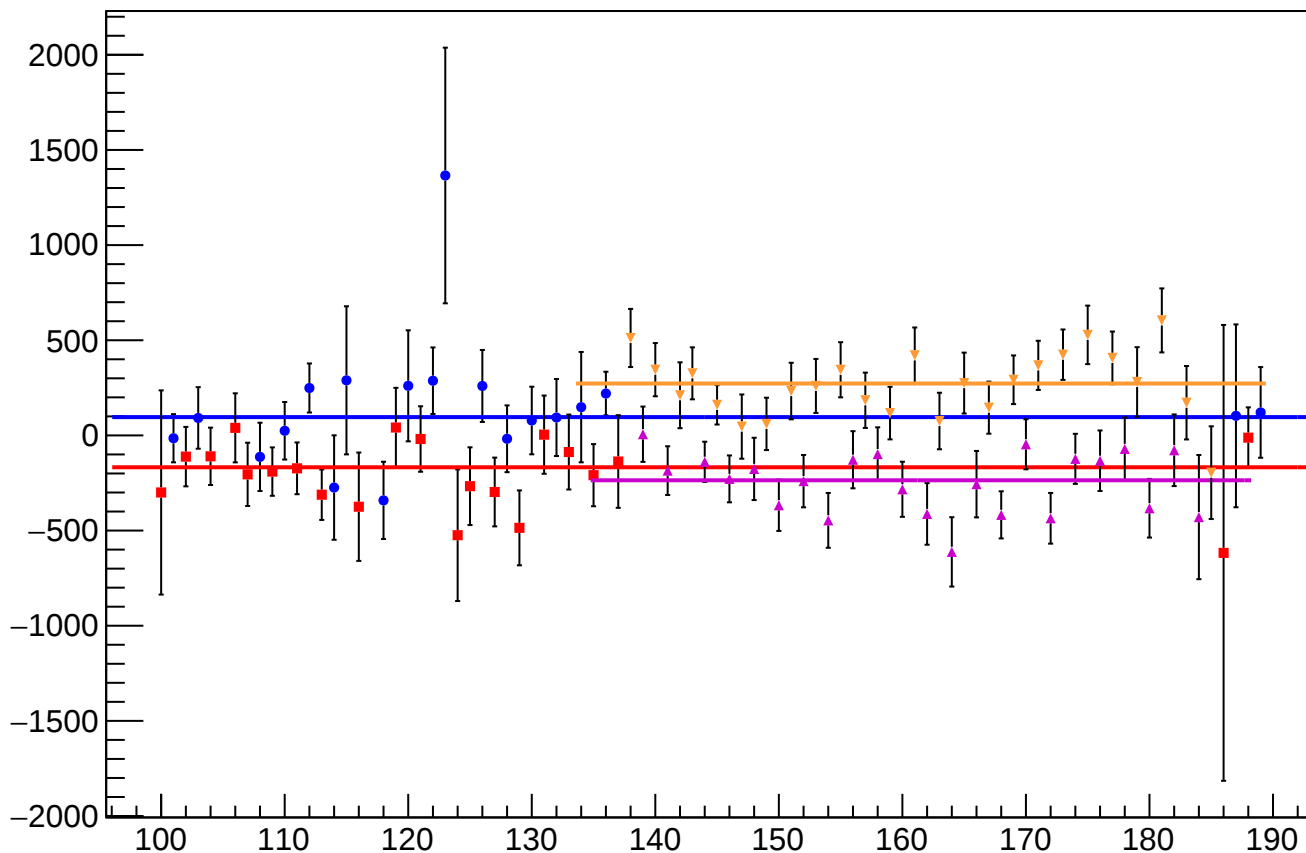
Left In: 248.069+/-0.044 χ^2/NDF : 2343295.0/22

+ sign 276.421+/-0.042 χ^2/NDF : 7427907.9/43

All: 275.583+/-0.030 χ^2/NDF : 15824317.6/87

- sign 274.741+/-0.042 χ^2/NDF : 8395610.0/43

reg_asym_sam_48_dd_mean vs Slug



Right In: 96.186 $\pm$ 42.527 χ^2 /NDF: 17.9/18

Left Out: 272.684 $\pm$ 29.221 χ^2 /NDF:27.4/24

Right Out: -167.412 $\pm$ 39.849 χ^2 /NDF: 11.7/20

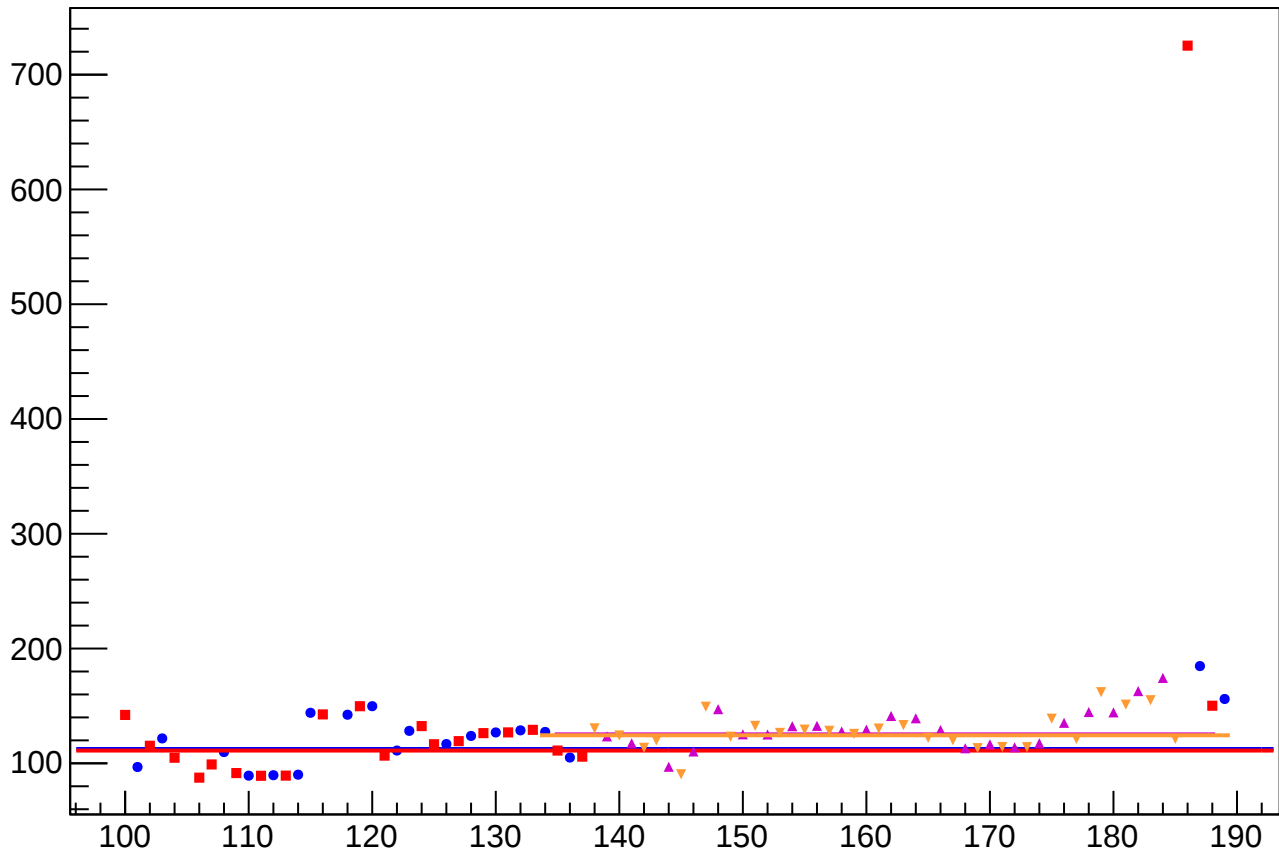
Left In: -235.801 $\pm$ 30.232 χ^2 /NDF:24.6/22

+ sign 216.078 $\pm$ 24.084 χ^2 /NDF: 57.1/43

All: 2.640 $\pm$ 17.030 χ^2 /NDF: 252.3/87

- sign -210.818 $\pm$ 24.085 χ^2 /NDF: 38.1/43

reg_asym_sam_48_dd_rms vs Slug



Right In: 112.474+/-0.030 χ^2/NDF : 412555.8/18

Left Out: 124.429+/-0.021 χ^2/NDF : 539731.8/24

Right Out: 111.123+/-0.028 χ^2/NDF : 1005394.3/20

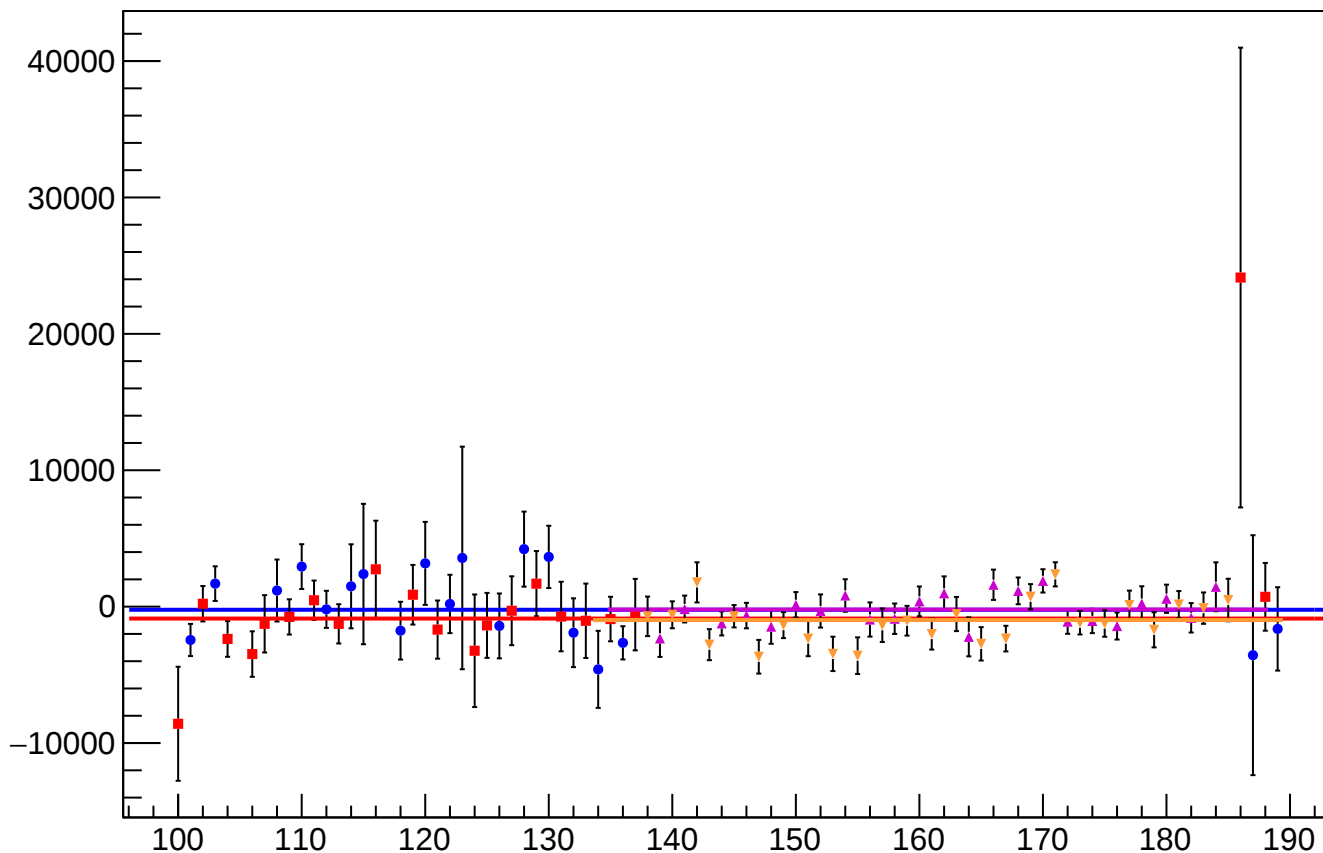
Left In: 125.205+/-0.021 χ^2/NDF : 501388.2/22

+ sign 120.595+/-0.017 χ^2/NDF : 1059638.8/43

All: 120.328+/-0.012 χ^2/NDF : 2725447.7/87

- sign 120.061+/-0.017 χ^2/NDF : 1665317.1/43

asym_sam_48_dd_correction_mean vs Slug



Right In: -228.702 ± 459.803 χ^2/NDF : 25.4/18

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -873.987 ± 429.116 χ^2/NDF : 14.8/20

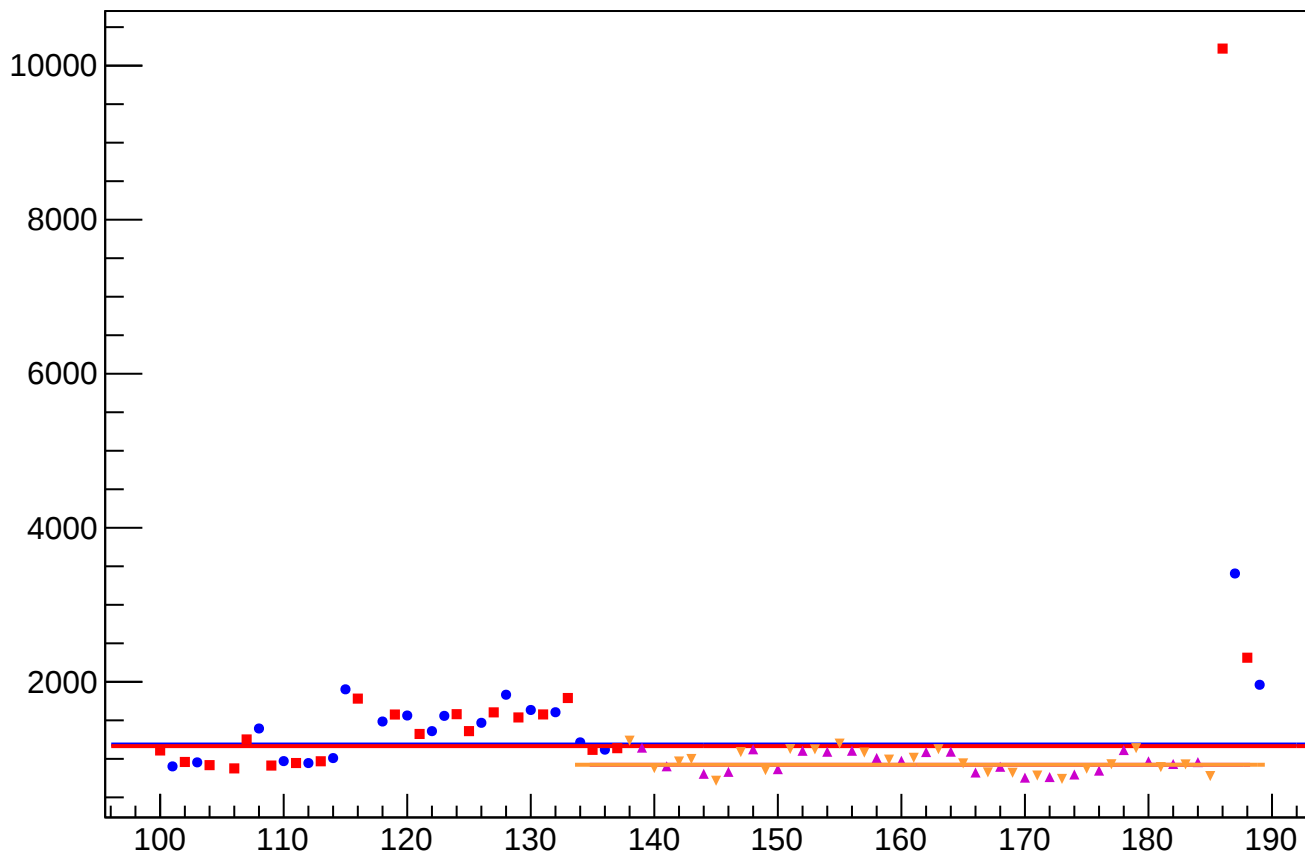
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -844.410 ± 196.997 χ^2/NDF : 74.8/43

All: -599.856 ± 139.680 χ^2/NDF : 120.3/87

- sign -352.600 ± 198.083 χ^2/NDF : 42.4/43

asym_sam_48_dd_correction_rms vs Slug



Right In: 1186.020 $\pm$ 0.325 χ^2 /NDF: 963049.5/18

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

+ sign 971.759 $\pm$ 0.139 χ^2 /NDF: 2337734.3/43

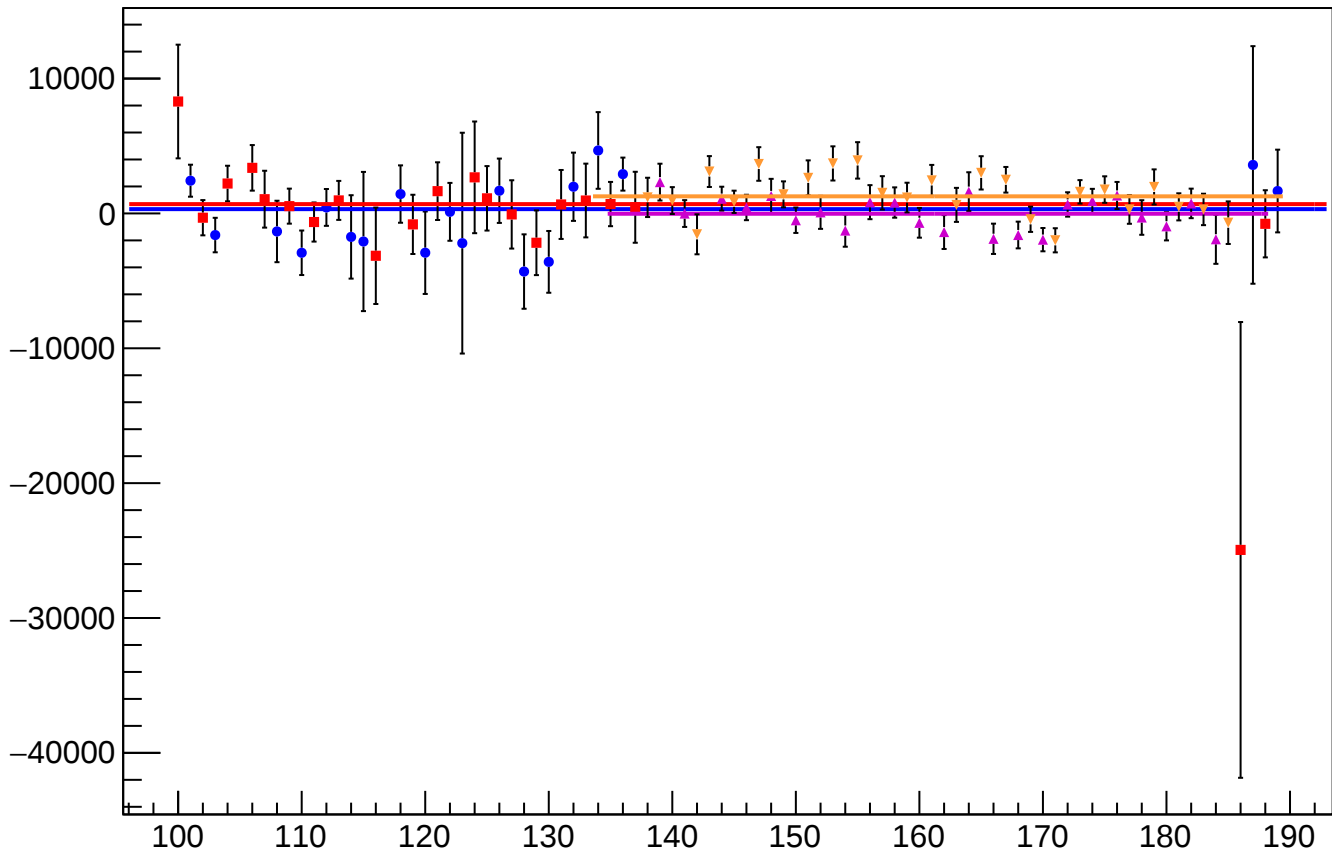
Right Out: 1165.354 $\pm$ 0.303 χ^2 /NDF: 1792017.1/20

All: 972.896 $\pm$ 0.099 χ^2 /NDF: 5269738.2/87

Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

- sign 974.047 $\pm$ 0.140 χ^2 /NDF: 2931869.7/43

asym_sam_48_dd_mean vs Slug



Right In: 318.413 ± 462.042 χ^2/NDF : 25.6/18

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 690.070 ± 431.421 χ^2/NDF : 14.9/20

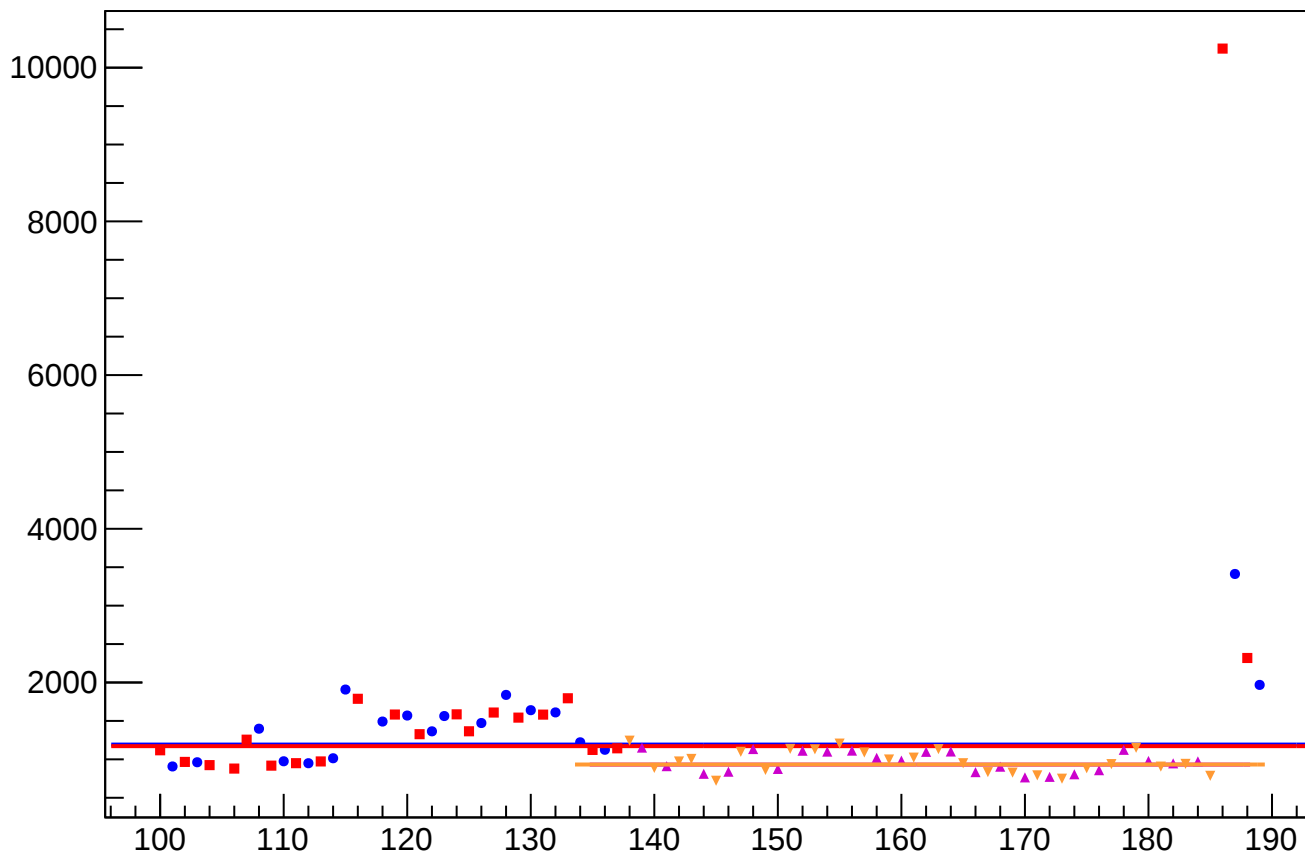
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1091.793 ± 198.731 χ^2/NDF : 74.0/43

All: 613.388 ± 140.914 χ^2/NDF : 129.8/87

- sign 129.626 ± 199.840 χ^2/NDF : 44.2/43

asym_sam_48_dd_rms vs Slug



Right In: 1192.145+/-0.327 χ^2/NDF : 956451.0/18

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1171.675+/-0.305 χ^2/NDF : 1782921.7/20

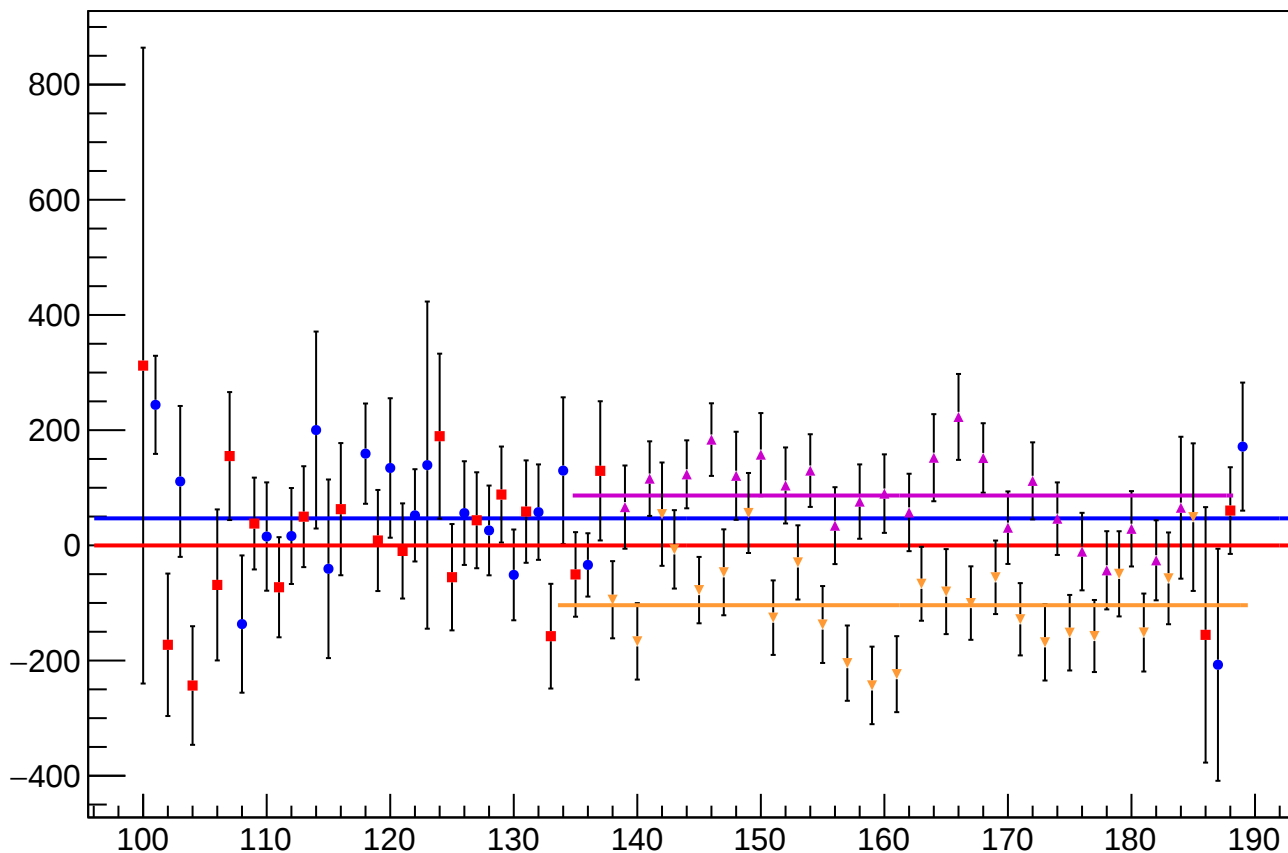
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 980.749+/-0.141 χ^2/NDF : 2299942.5/43

All: 981.882+/-0.100 χ^2/NDF : 5194308.2/87

- sign 983.028+/-0.141 χ^2/NDF : 2894234.9/43

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 46.870 ± 22.028 χ^2/NDF : 18.7/18

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: -0.139 ± 21.189 χ^2/NDF : 21.3/20

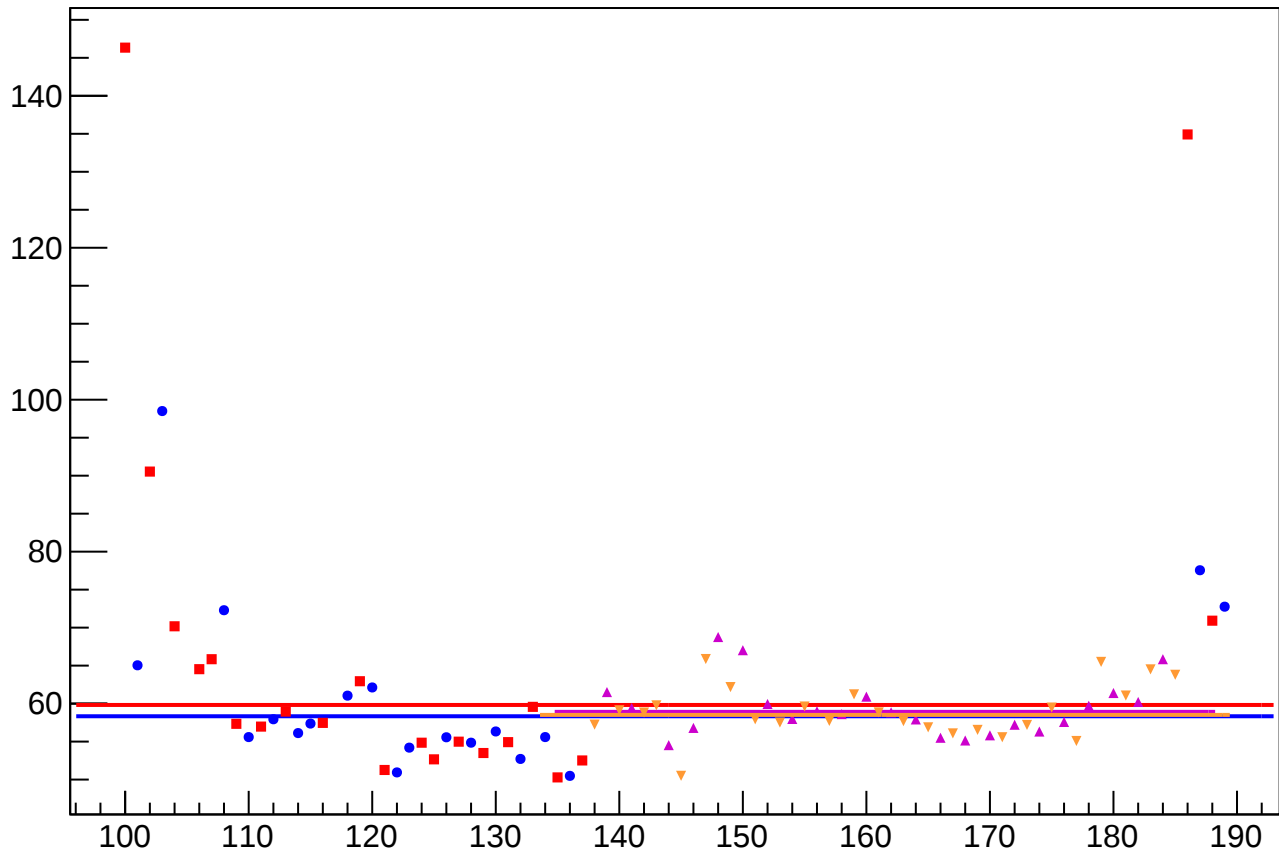
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -62.102 ± 11.598 χ^2/NDF : 82.5/43

All: -1.902 ± 8.254 χ^2/NDF : 191.5/87

- sign 59.887 ± 11.750 χ^2/NDF : 54.3/43

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.334 $\pm$ 0.016 χ^2 /NDF: 361310.6/18

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 59.821 $\pm$ 0.015 χ^2 /NDF: 582910.2/20

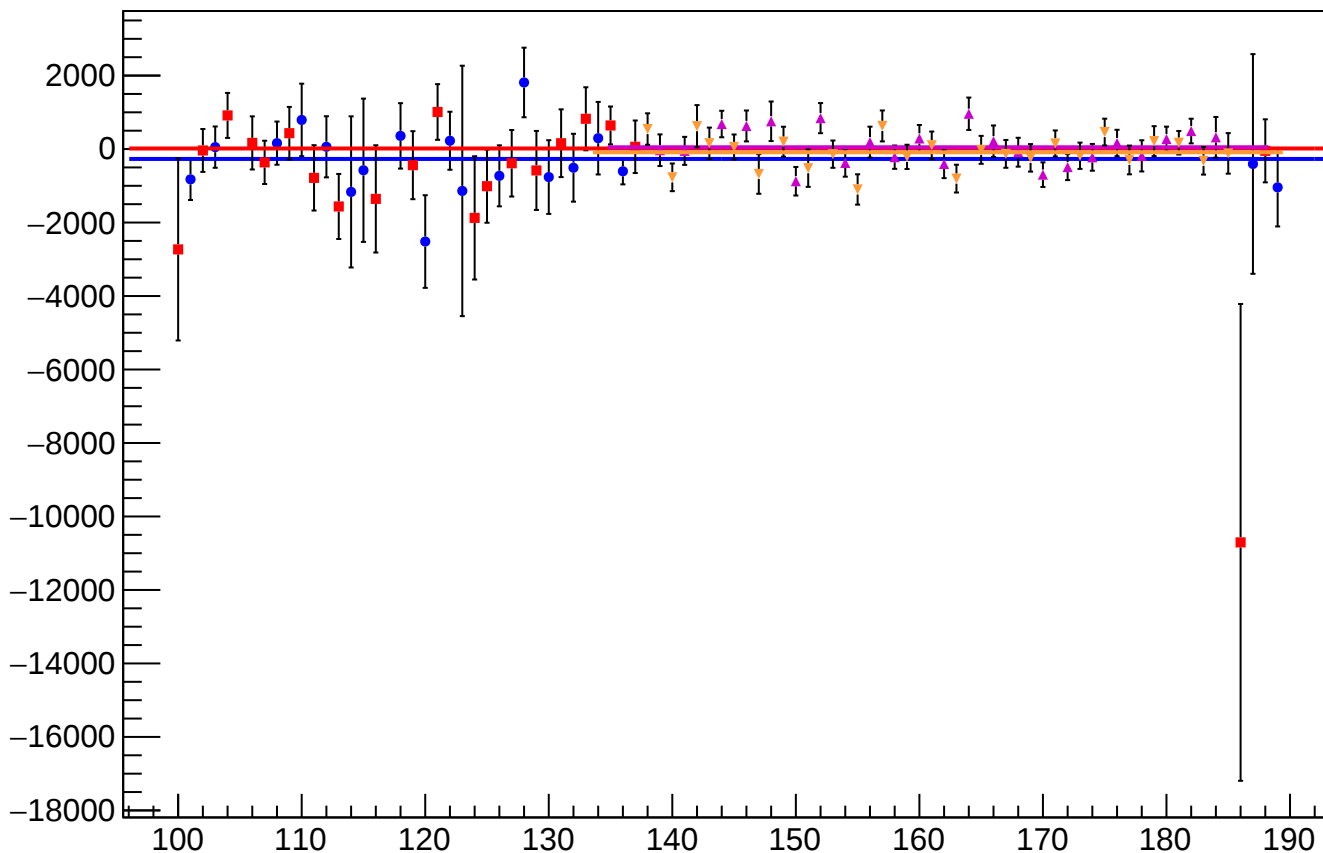
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 58.463 $\pm$ 0.008 χ^2 /NDF: 484627.7/43

All: 58.823 $\pm$ 0.006 χ^2 /NDF: 1183952.1/87

- sign 59.193 $\pm$ 0.008 χ^2 /NDF: 695421.7/43

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -268.891 ± 181.366 χ^2/NDF : 14.7/18

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: 15.786 ± 178.108 χ^2/NDF : 19.0/20

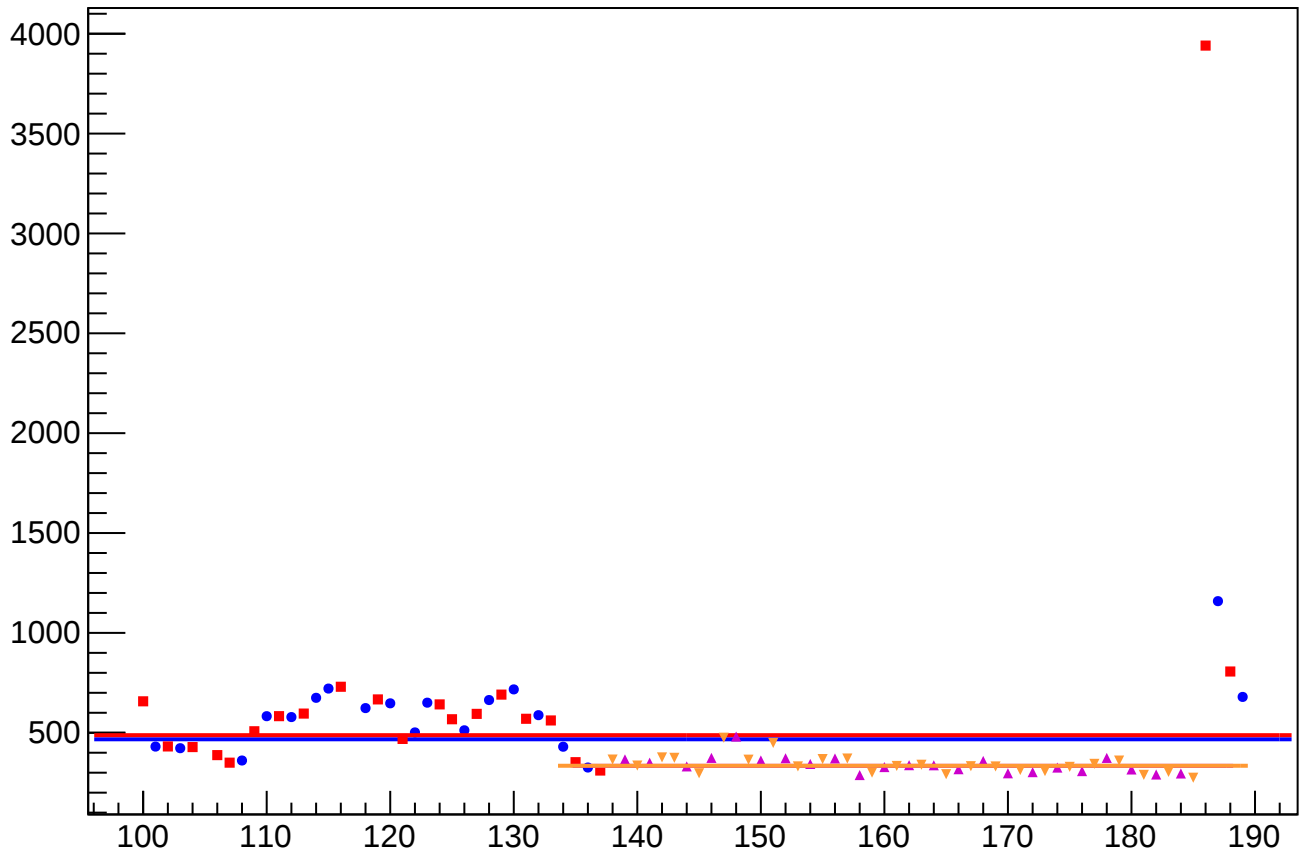
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -116.120 ± 72.085 χ^2/NDF : 43.3/43

All: -37.917 ± 51.427 χ^2/NDF : 100.0/87

- sign 43.146 ± 73.391 χ^2/NDF : 54.3/43

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 467.237 ± 0.128 χ^2/NDF : 1070636.9/18

Left Out: 334.749 ± 0.056 χ^2/NDF : 491370.4/24

Right Out: 487.852 ± 0.126 χ^2/NDF : 1642231.9/20

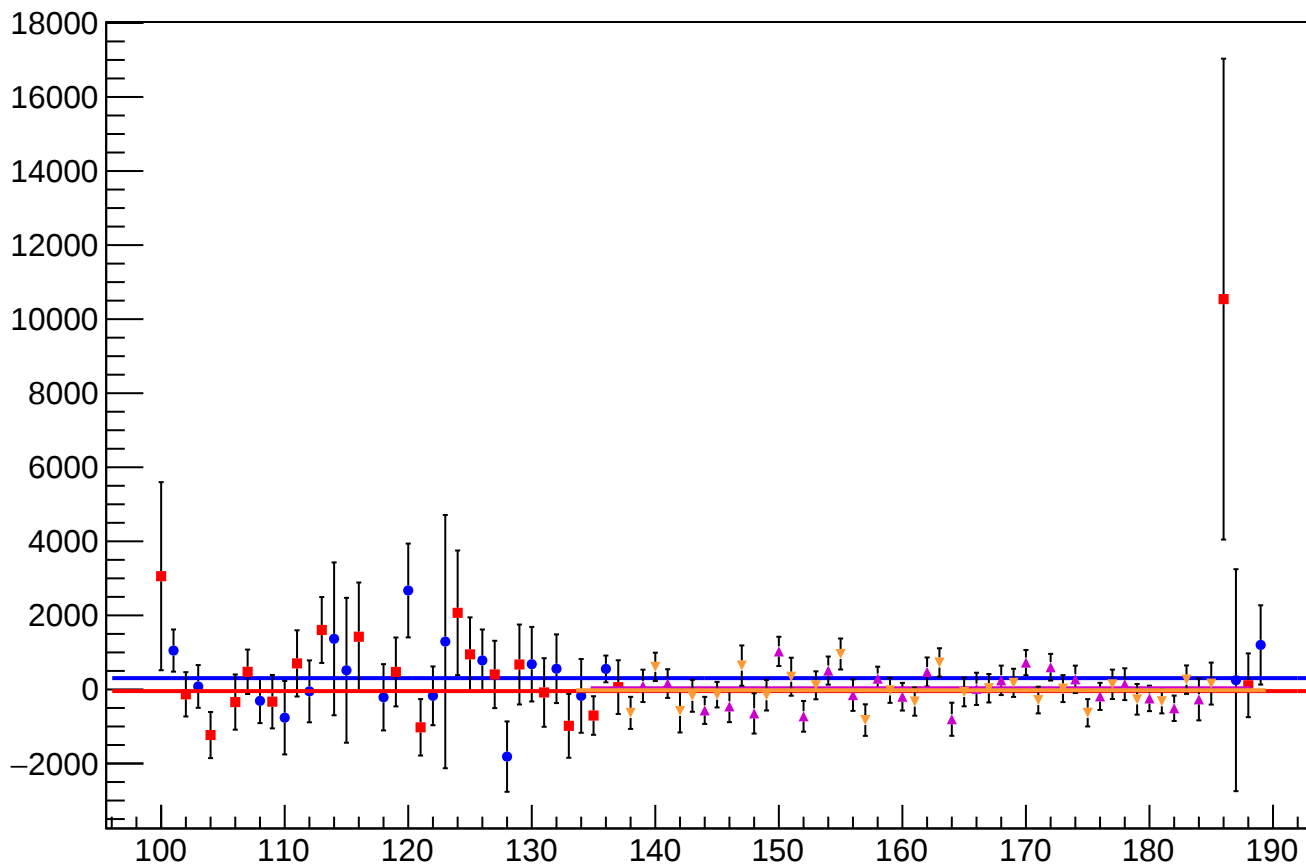
Left In: 334.147 ± 0.057 χ^2/NDF : 397200.6/22

+ sign 355.678 ± 0.051 χ^2/NDF : 2460681.5/43

All: 357.921 ± 0.036 χ^2/NDF : 5740656.8/87

- sign 360.245 ± 0.052 χ^2/NDF : 3276033.4/43

asym_sam_13_57_dd_mean vs Slug



Right In: 305.574+/-183.472 χ^2/NDF : 15.7/18

Left Out: -20.895+/-79.812 χ^2/NDF : 27.2/24

Right Out: -44.548+/-180.240 χ^2/NDF : 22.1/20

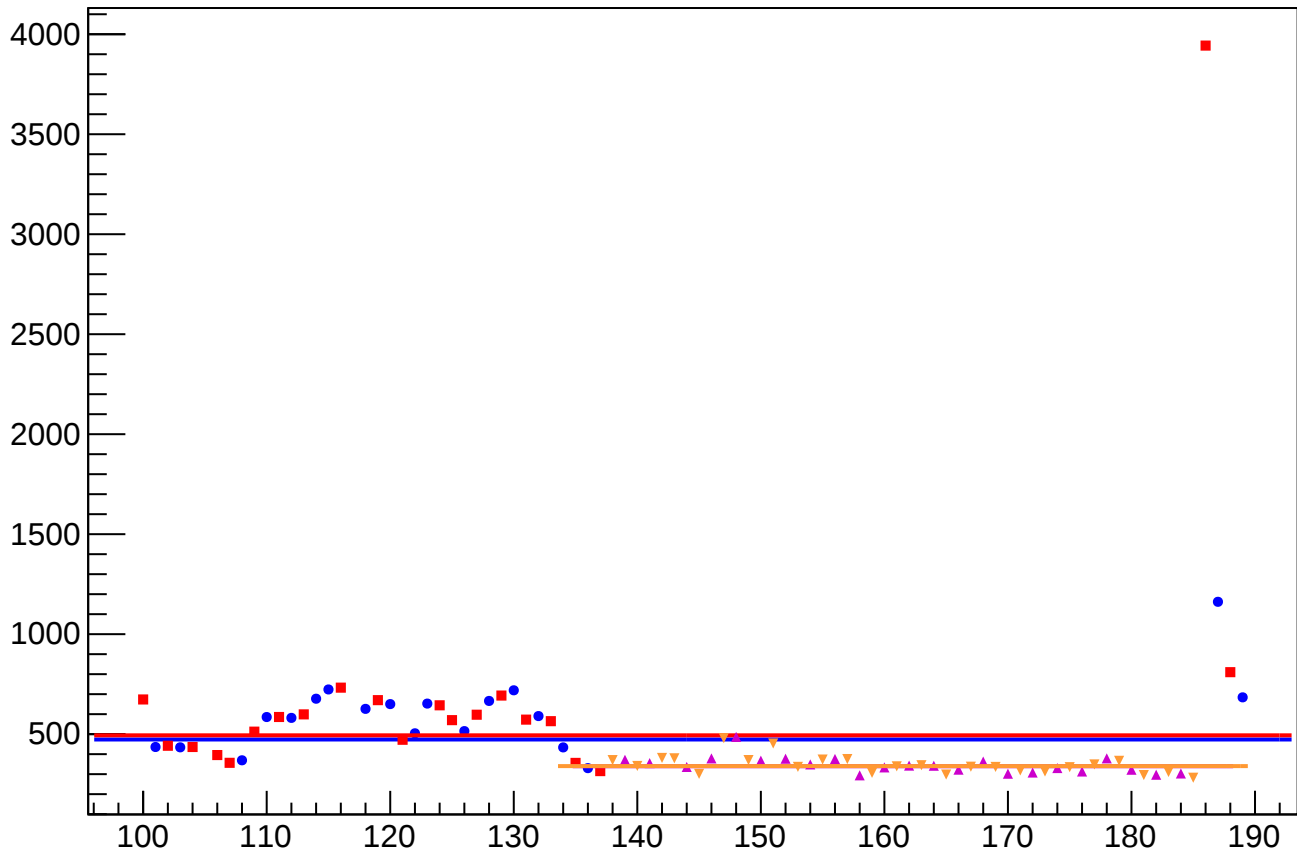
Left In: 31.800+/-81.839 χ^2/NDF : 34.0/22

+ sign 31.053+/-73.187 χ^2/NDF : 45.6/43

All: 25.012+/-52.215 χ^2/NDF : 101.9/87

- sign 18.750+/-74.518 χ^2/NDF : 56.3/43

asym_sam_13_57_dd_rms vs Slug



Right In: 473.324+/-0.130 χ^2/NDF : 1035670.8/18

Left Out: 340.238+/-0.056 χ^2/NDF : 468863.6/24

Right Out: 494.188+/-0.127 χ^2/NDF : 1603497.3/20

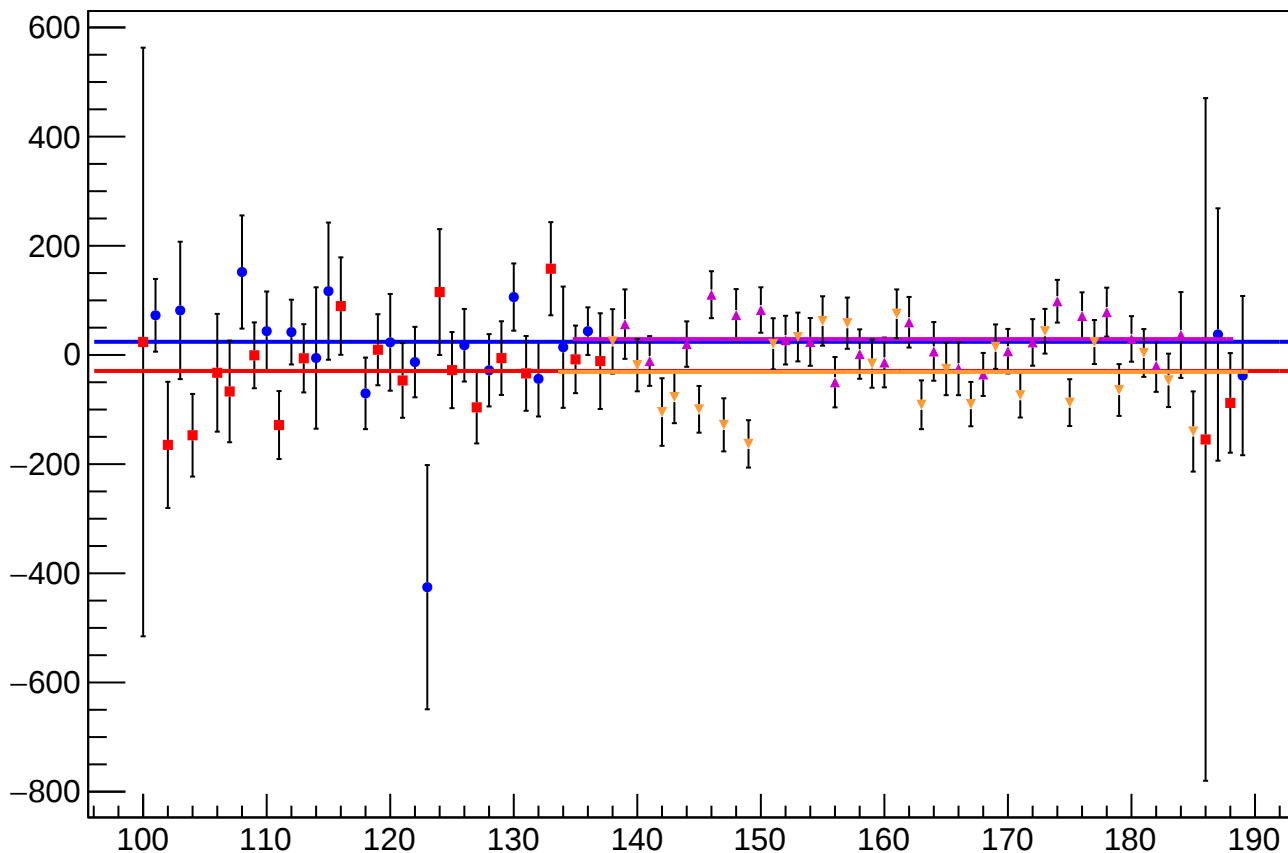
Left In: 339.621+/-0.058 χ^2/NDF : 379808.1/22

+ sign 361.415+/-0.052 χ^2/NDF : 2389433.9/43

All: 363.686+/-0.037 χ^2/NDF : 5596078.0/87

- sign 366.041+/-0.053 χ^2/NDF : 3202720.3/43

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.124 $\pm$ 17.687 χ^2 /NDF: 13.2/18

Left Out: -31.063 $\pm$ 9.170 χ^2 /NDF: 52.6/24

Right Out: -29.330 $\pm$ 17.120 χ^2 /NDF: 17.2/20

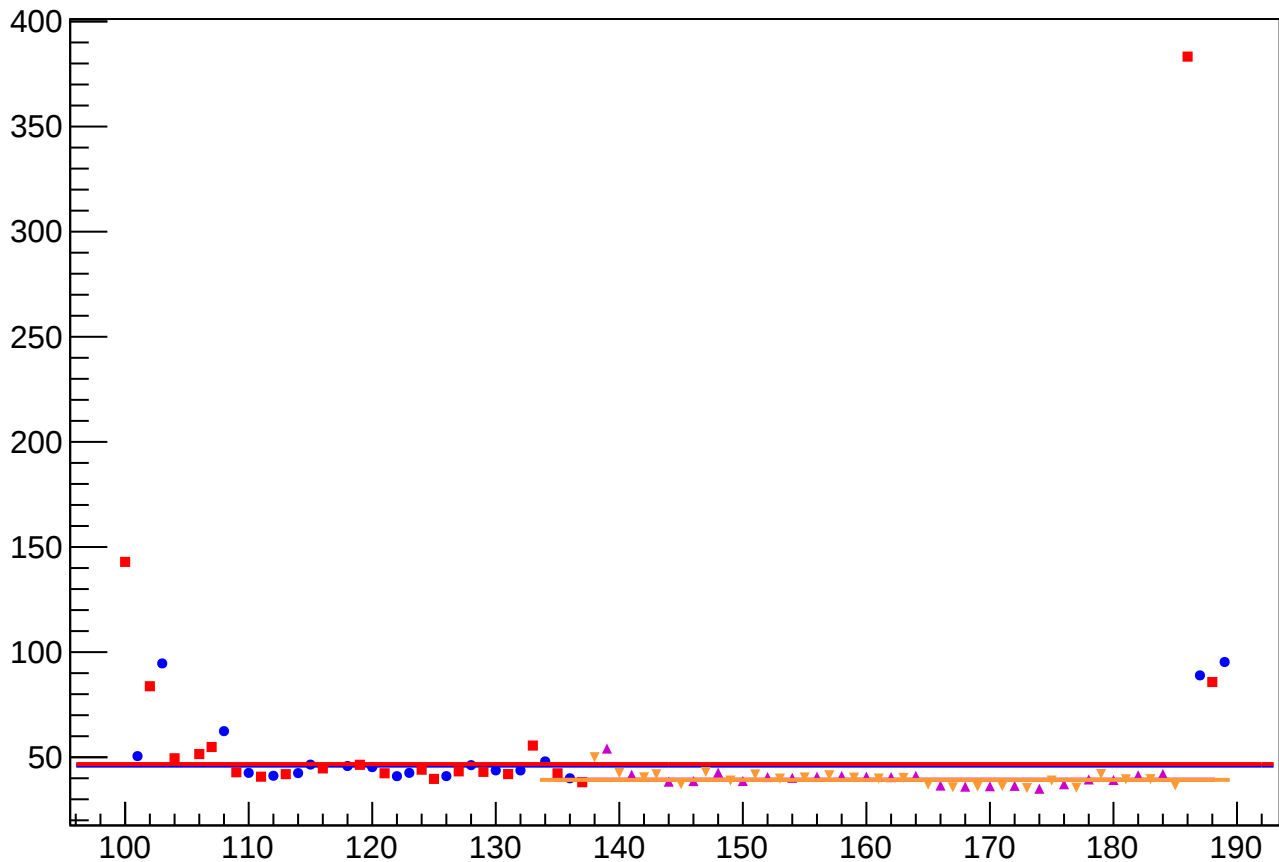
Left In: 29.055 $\pm$ 9.449 χ^2 /NDF: 22.4/22

+ sign -19.372 $\pm$ 8.141 χ^2 /NDF: 73.5/43

All: -2.256 $\pm$ 5.802 χ^2 /NDF: 131.0/87

- sign 15.421 $\pm$ 8.273 χ^2 /NDF: 48.6/43

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 46.006 $\pm$ 0.013 χ^2 /NDF: 741934.8/18

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 46.756 $\pm$ 0.012 χ^2 /NDF: 1377361.6/20

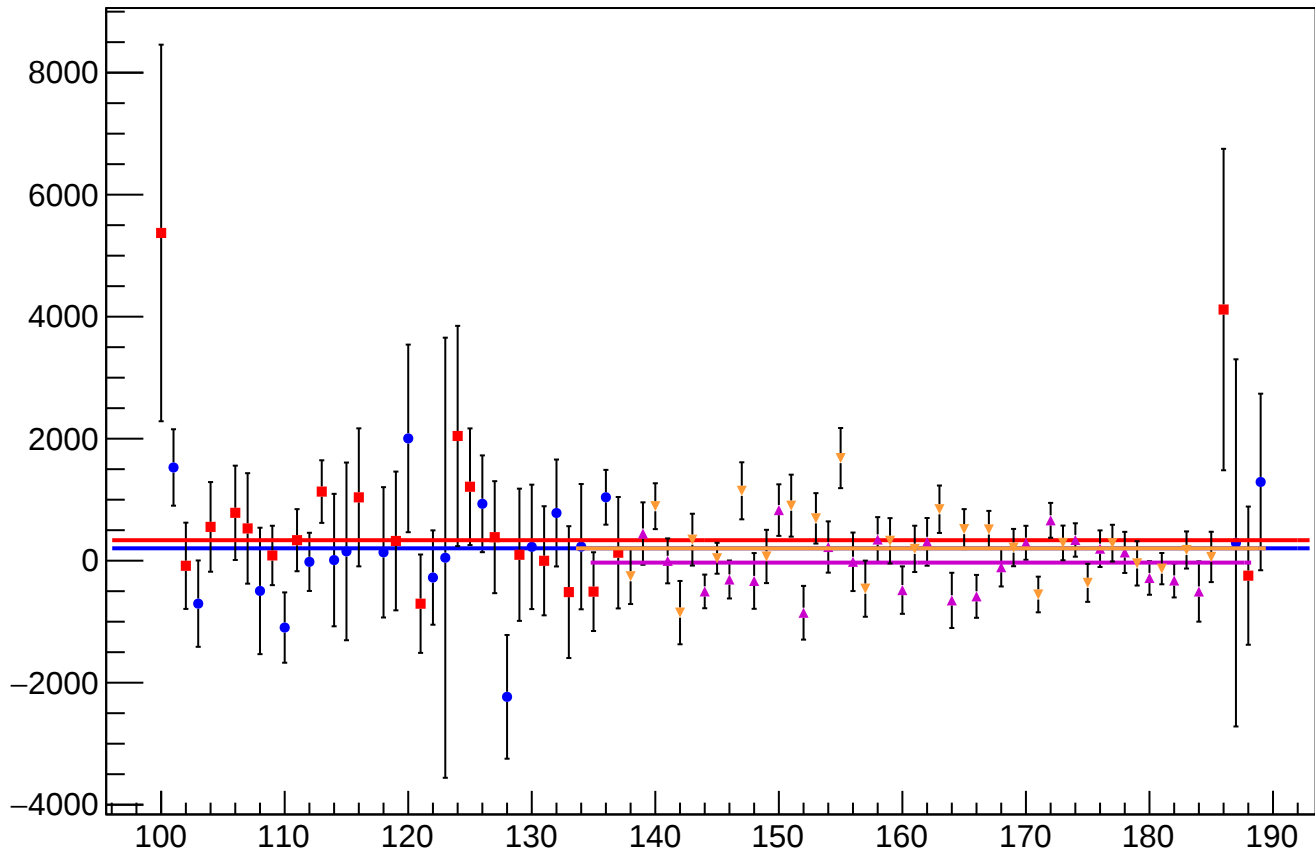
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 40.670 $\pm$ 0.006 χ^2 /NDF: 1174938.2/43

All: 40.867 $\pm$ 0.004 χ^2 /NDF: 3058174.3/87

- sign 41.071 $\pm$ 0.006 χ^2 /NDF: 1880848.6/43

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 202.994 ± 187.088 χ^2/NDF : 24.7/18

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 335.998 ± 177.071 χ^2/NDF : 14.8/20

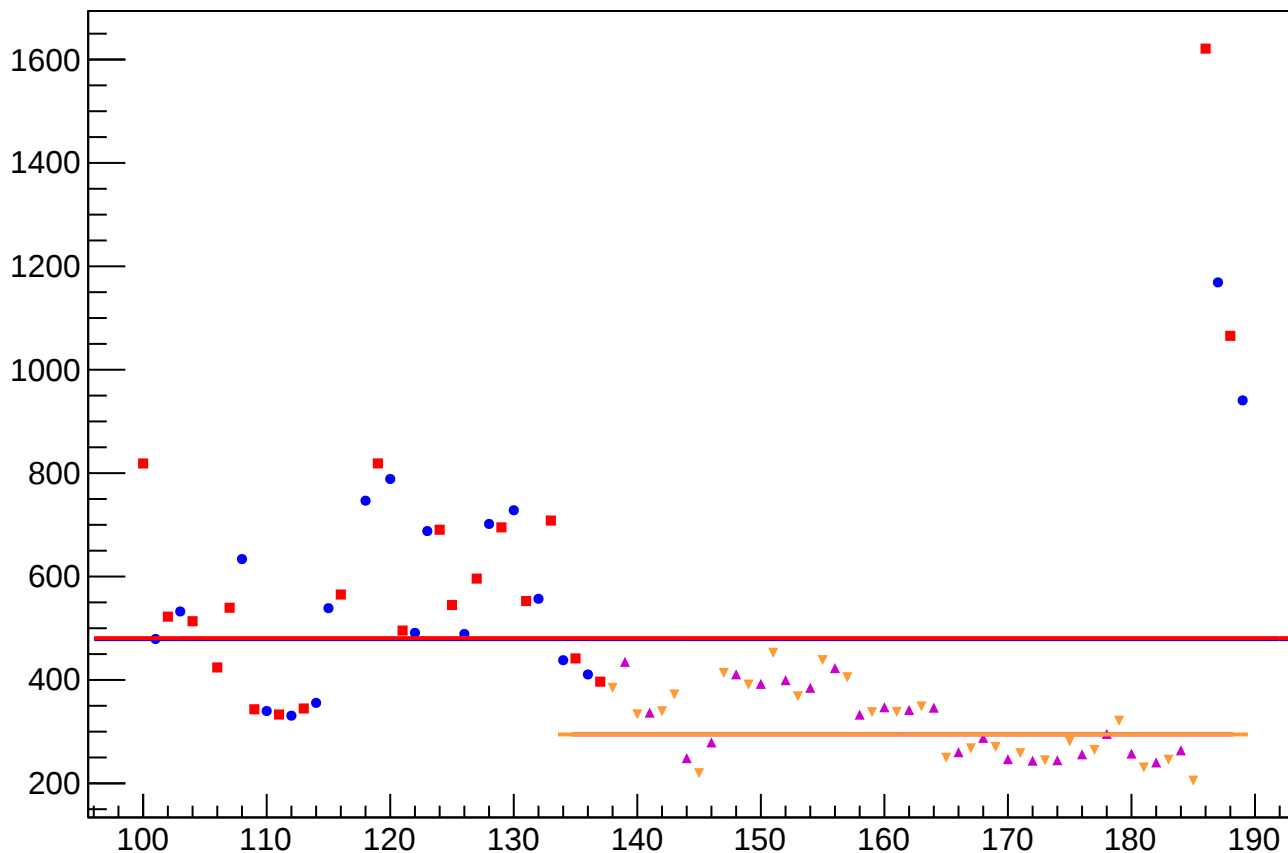
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 202.447 ± 65.911 χ^2/NDF : 69.6/43

All: 112.771 ± 46.909 χ^2/NDF : 125.2/87

- sign 20.723 ± 66.777 χ^2/NDF : 51.9/43

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 478.974+/-0.132 χ^2/NDF : 1198788.5/18

Left Out: 294.591+/-0.050 χ^2/NDF : 1680474.5/24

Right Out: 480.867+/-0.125 χ^2/NDF : 1890383.7/20

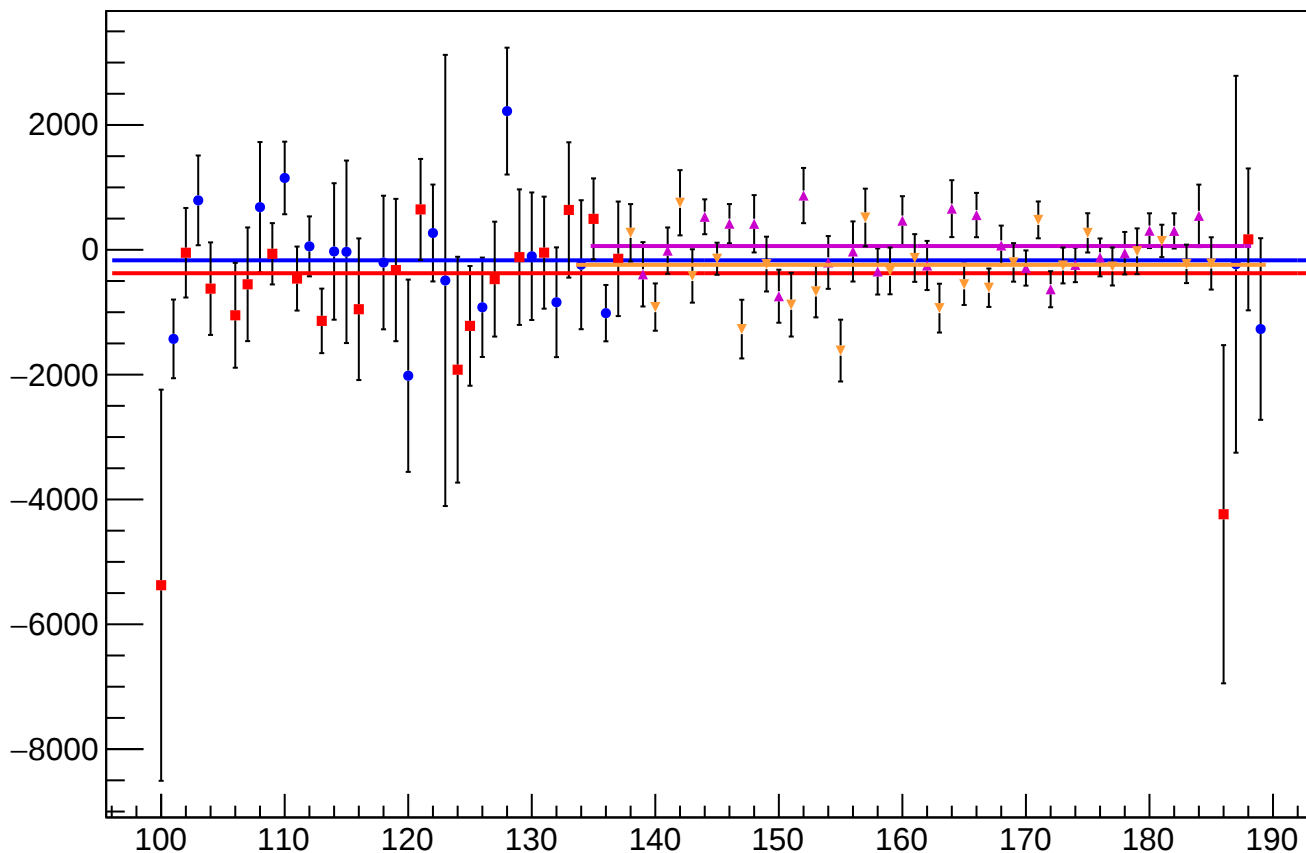
Left In: 294.722+/-0.051 χ^2/NDF : 1297310.3/22

+ sign 317.476+/-0.047 χ^2/NDF : 4580738.2/43

All: 319.311+/-0.033 χ^2/NDF : 9667465.3/87

- sign 321.195+/-0.047 χ^2/NDF : 5083585.0/43

asym_sam_15_37_dd_mean vs Slug



Right In: -168.564 ± 188.243 χ^2/NDF : 24.7/18

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -375.246 ± 178.912 χ^2/NDF : 14.7/20

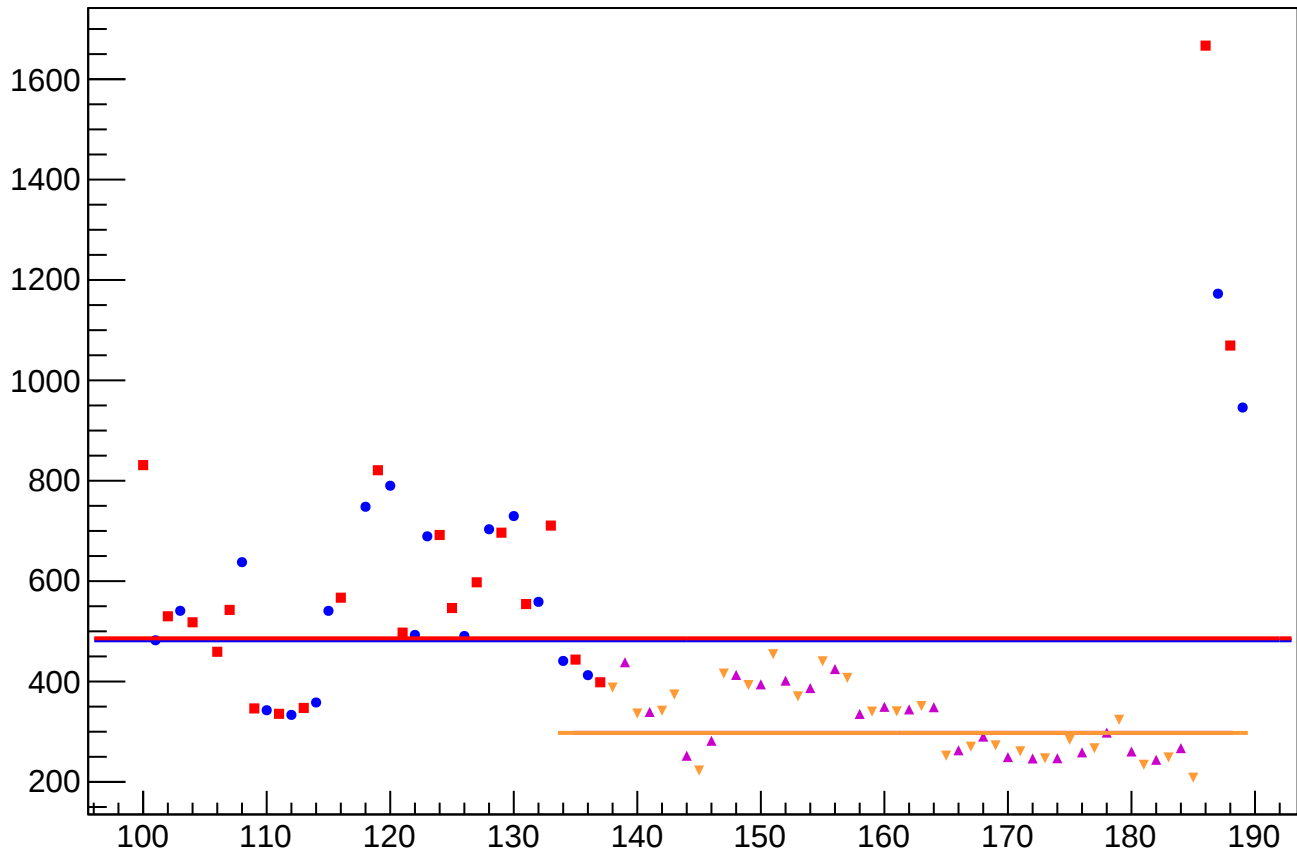
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -231.394 ± 66.514 χ^2/NDF : 67.8/43

All: -118.019 ± 47.350 χ^2/NDF : 124.4/87

- sign -1.528 ± 67.422 χ^2/NDF : 50.7/43

asym_sam_15_37_dd_rms vs Slug



Right In: 482.123+/-0.133 χ^2/NDF : 1189349.5/18

Left Out: 297.613+/-0.050 χ^2/NDF : 1637757.8/24

Right Out: 486.045+/-0.127 χ^2/NDF : 1875011.8/20

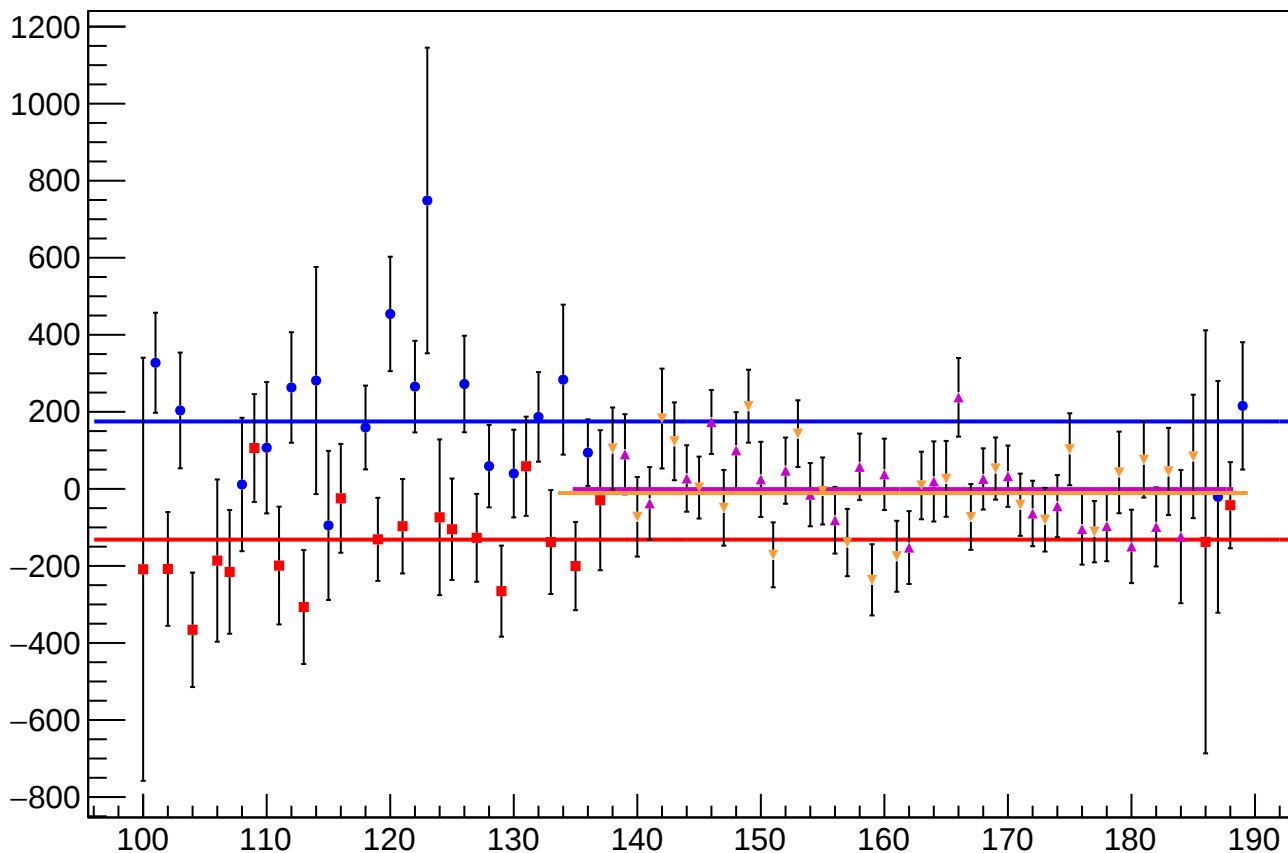
Left In: 297.699+/-0.051 χ^2/NDF : 1266306.2/22

+ sign 320.649+/-0.047 χ^2/NDF : 4508671.1/43

All: 322.522+/-0.033 χ^2/NDF : 9554919.8/87

- sign 324.446+/-0.048 χ^2/NDF : 5043033.0/43

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 175.035 $\pm$ 32.021 χ^2 /NDF: 16.0/18

Left Out: -10.667 $\pm$ -18.610 χ^2 /NDF:36.3/24

Right Out: -131.659 $\pm$ -31.104 χ^2 /NDF: 13.2/20

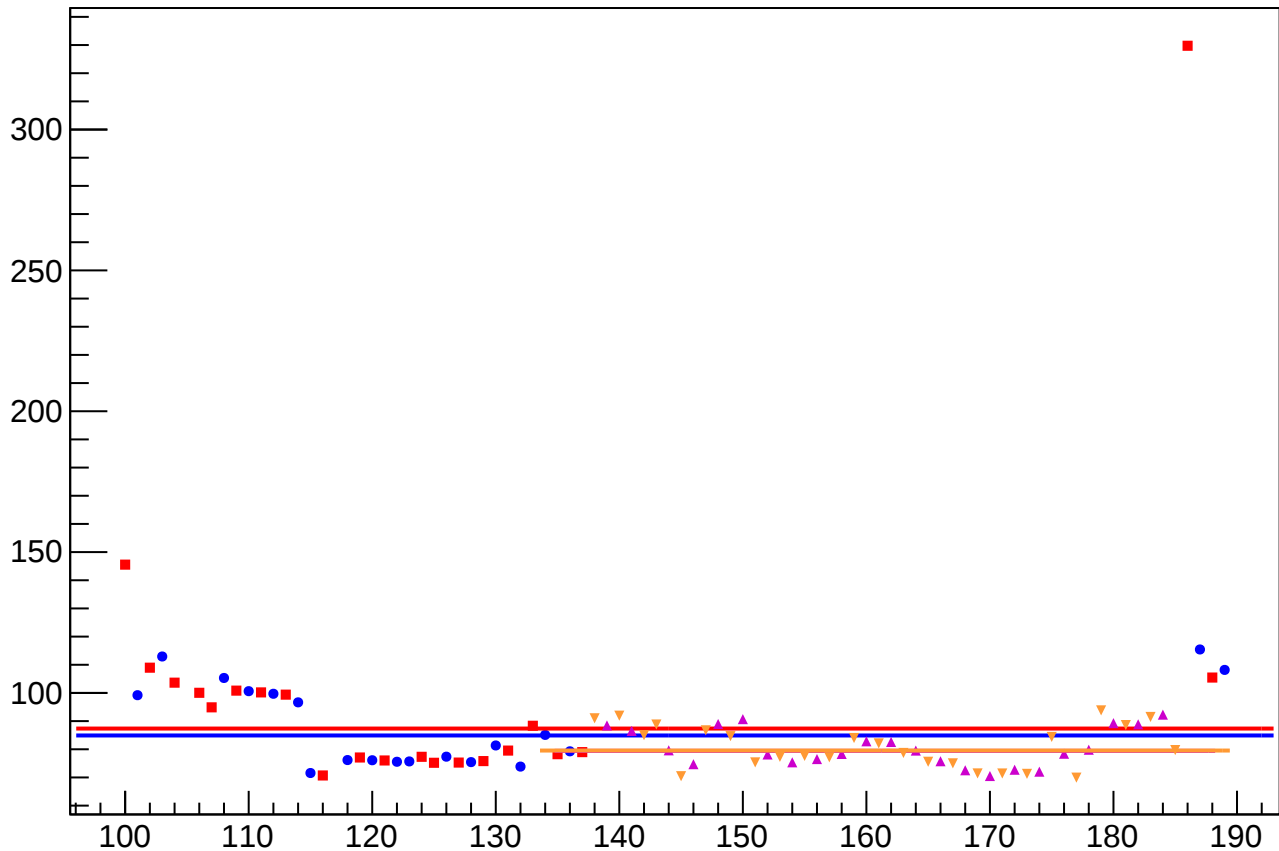
Left In: -0.575 $\pm$ -19.091 χ^2 /NDF:23.8/22

+ sign 36.219 $\pm$ -16.090 χ^2 /NDF: 77.5/43

All: 0.294 $\pm$ -11.441 χ^2 /NDF: 137.4/87

- sign -36.445 $\pm$ -16.271 χ^2 /NDF: 49.8/43

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 84.903 ± 0.023 χ^2/NDF : 317533.3/18

Left Out: 79.551 ± 0.013 χ^2/NDF : 309075.2/24

Right Out: 87.357 ± 0.022 χ^2/NDF : 739683.6/20

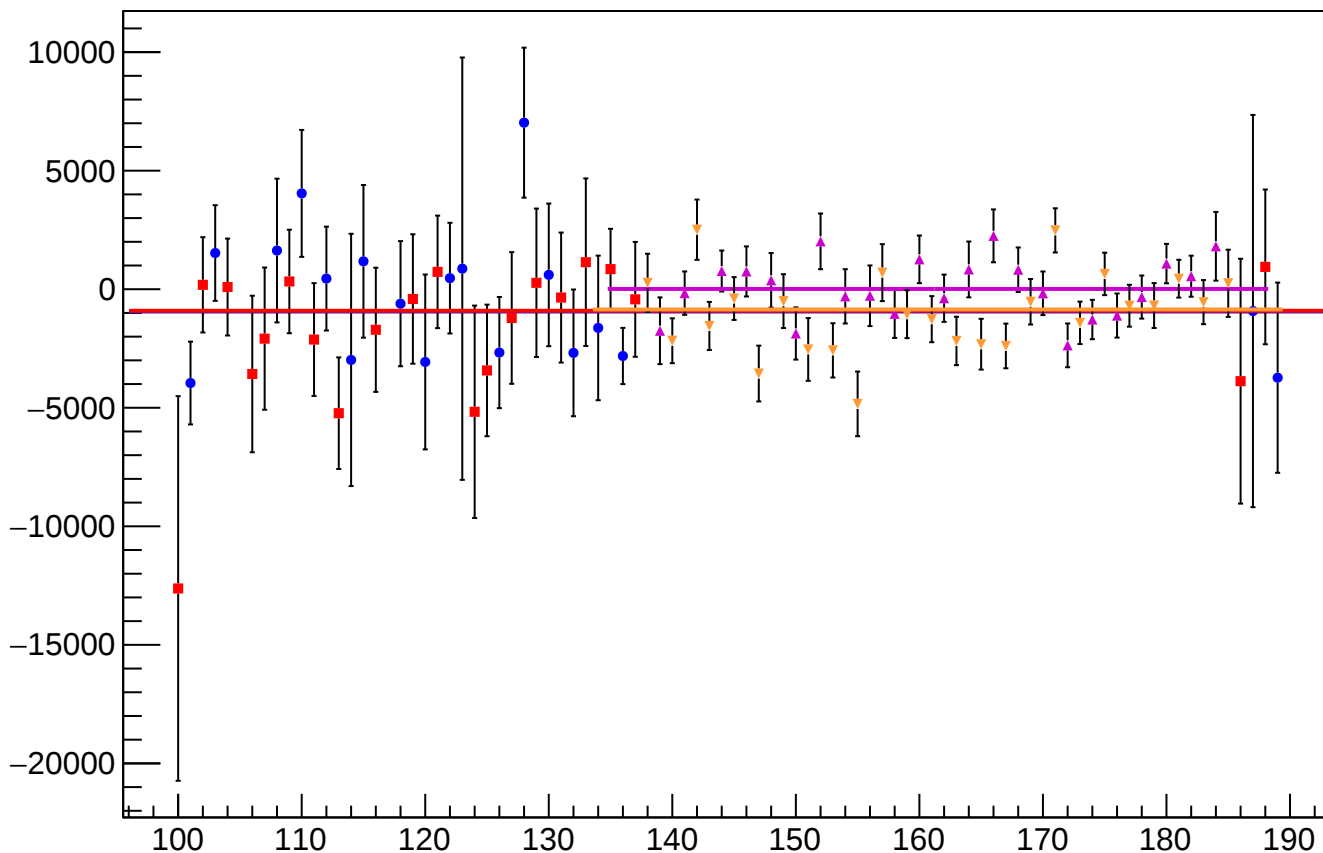
Left In: 79.436 ± 0.013 χ^2/NDF : 212440.1/22

+ sign 80.902 ± 0.011 χ^2/NDF : 668376.6/43

All: 81.249 ± 0.008 χ^2/NDF : 1716579.9/87

- sign 81.604 ± 0.012 χ^2/NDF : 1046323.6/43

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -937.016 $\pm$ 576.986 χ^2 /NDF: 21.0/18

Left Out: -854.130 $\pm$ 204.090 χ^2 /NDF:56.0/24

Right Out: -910.425 $\pm$ 577.123 χ^2 /NDF: 12.0/20

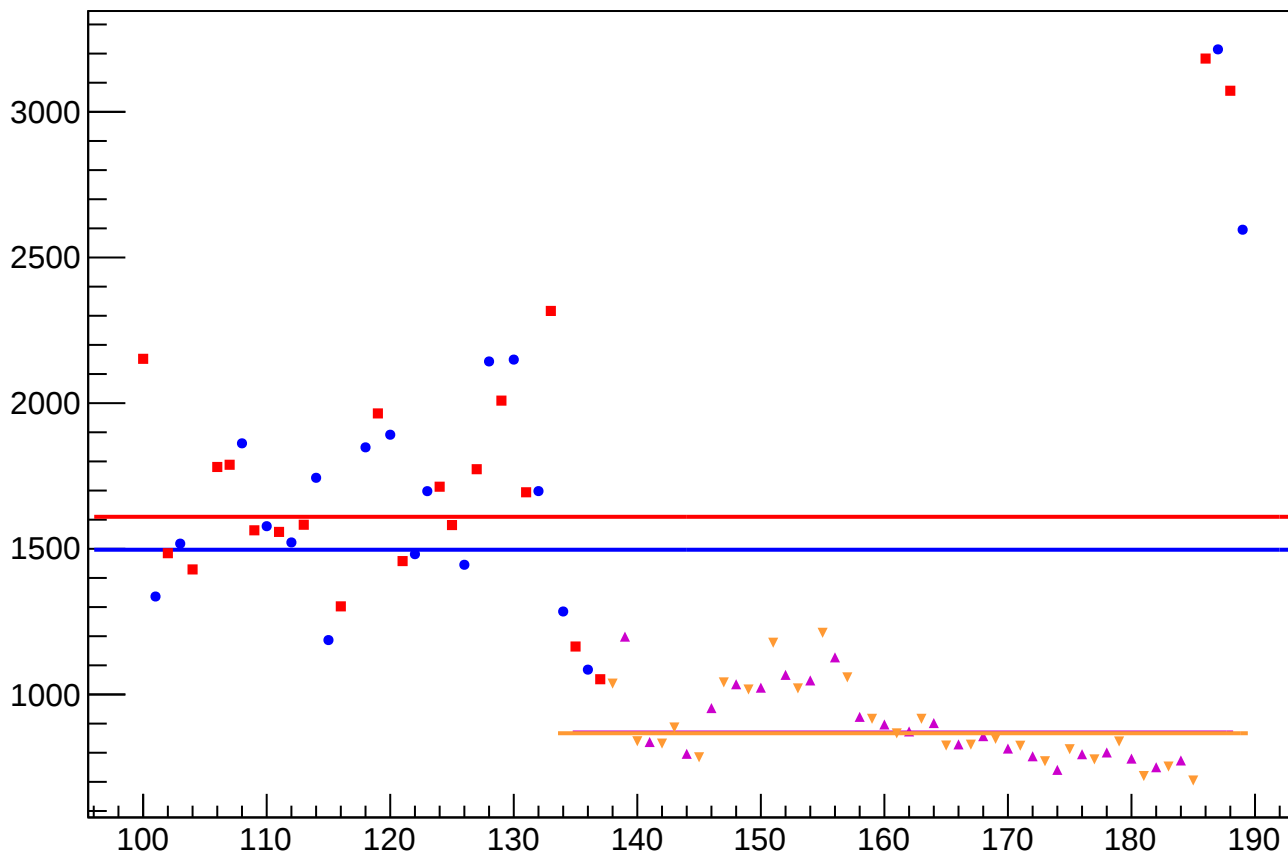
Left In: 11.687 $\pm$ 210.073 χ^2 /NDF:31.2/22

+ sign -863.347 $\pm$ 192.408 χ^2 /NDF: 77.0/43

All: -489.598 $\pm$ 137.785 χ^2 /NDF: 130.2/87

- sign -96.195 $\pm$ 197.402 χ^2 /NDF: 45.5/43

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1496.826 $\pm$ 0.408 χ^2 /NDF: 807553.3/18

Left Out: 866.893 $\pm$ 0.144 χ^2 /NDF: 661712.5/24

Right Out: 1609.905 $\pm$ 0.408 χ^2 /NDF: 1069404.5/20

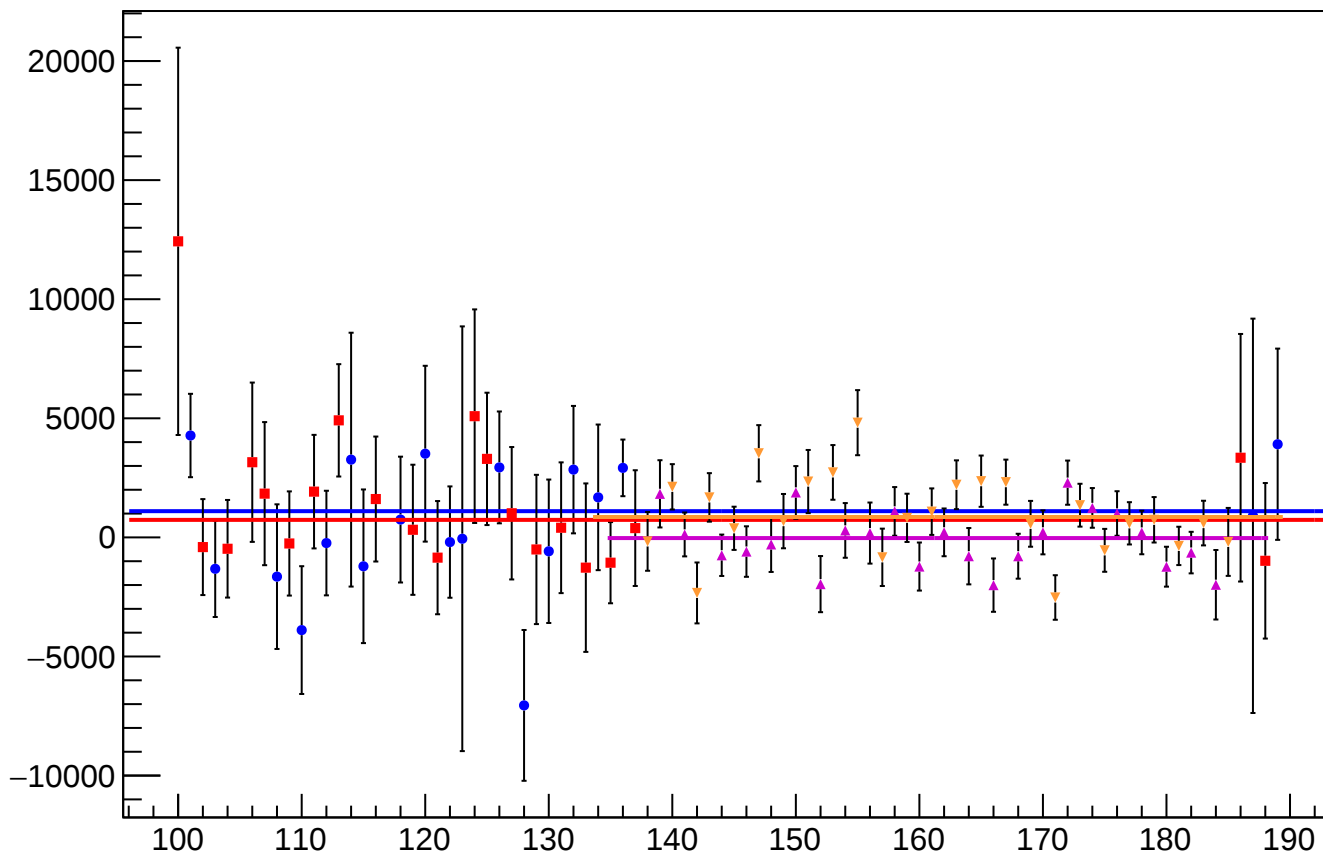
Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

+ sign 936.944 $\pm$ 0.136 χ^2 /NDF: 3588065.6/43

All: 946.318 $\pm$ 0.097 χ^2 /NDF: 8155641.6/87

- sign 956.184 $\pm$ 0.140 χ^2 /NDF: 4557832.0/43

asym_sam_24_68_dd_mean vs Slug



Right In: 1101.324+/-578.166 χ^2/NDF : 21.7/18

Left Out: 855.664+/-205.047 χ^2/NDF : 54.1/24

Right Out: 735.480+/-578.416 χ^2/NDF : 11.5/20

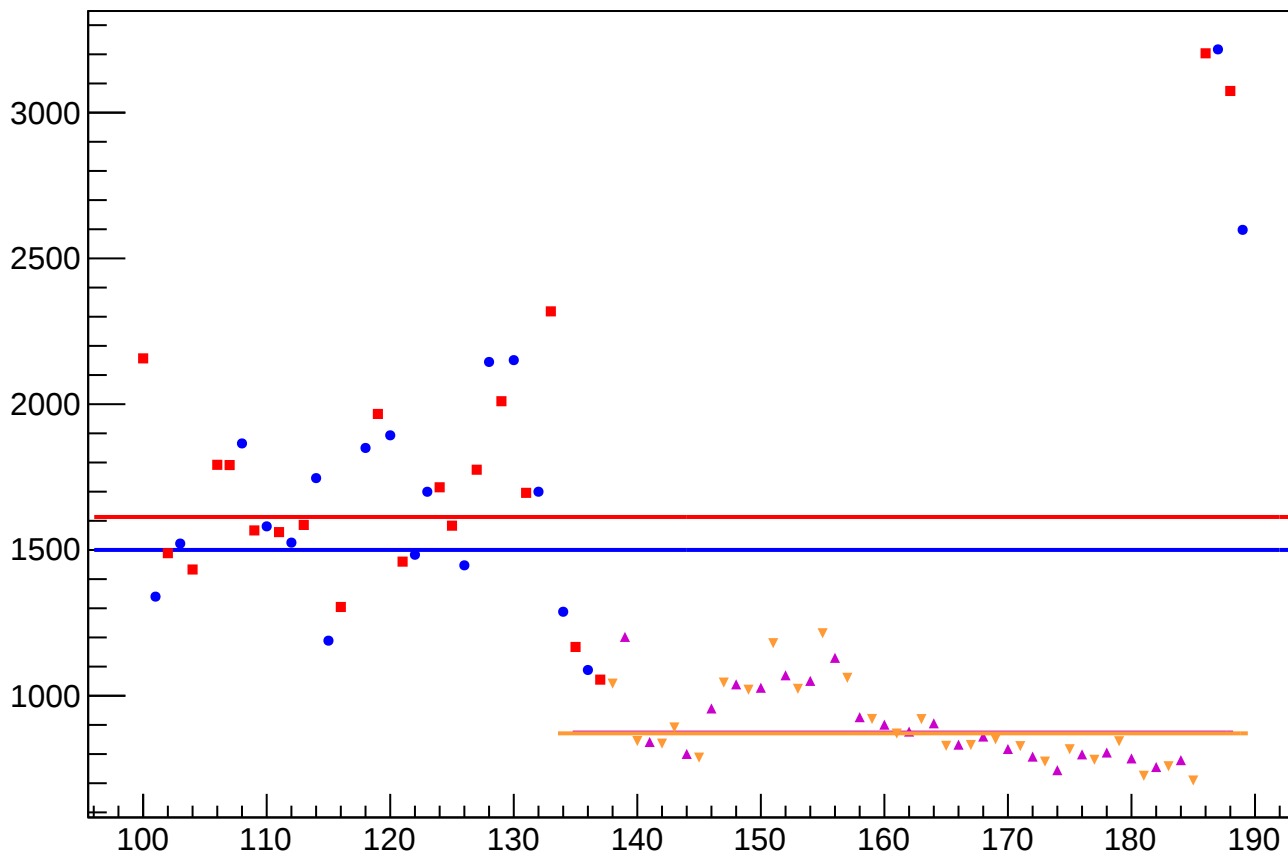
Left In: -28.553+/-211.034 χ^2/NDF : 29.7/22

+ sign 883.110+/-193.253 χ^2/NDF : 75.9/43

All: 482.647+/-138.384 χ^2/NDF : 127.5/87

- sign 61.203+/-198.251 χ^2/NDF : 42.8/43

asym_sam_24_68_dd_rms vs Slug



Right In: 1500.153+/-0.409 χ^2/NDF : 803393.4/18

Left Out: 871.109+/-0.145 χ^2/NDF : 651751.1/24

+ sign 941.389+/-0.137 χ^2/NDF : 3558124.4/43

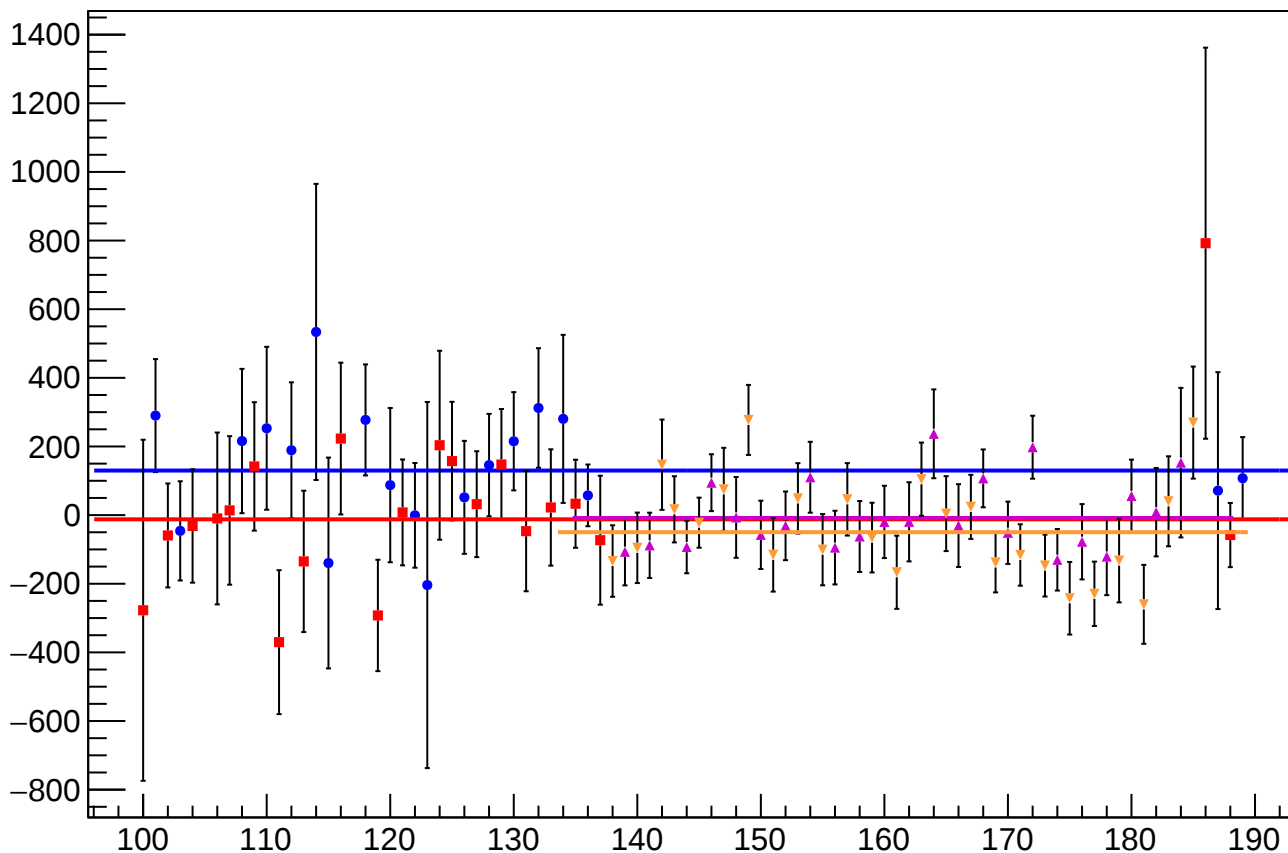
Right Out: 1613.196+/-0.409 χ^2/NDF : 1067880.7/20

All: 950.725+/-0.098 χ^2/NDF : 8094611.3/87

- sign 960.551+/-0.140 χ^2/NDF : 4526905.9/43

Left In: 873.675+/-0.149 χ^2/NDF : 573822.5/22

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 129.838 $\pm$ 39.136 χ^2 /NDF: 9.4/18

Left Out: -49.717 $\pm$ 20.580 χ^2 /NDF: 39.4/24

Right Out: -12.255 $\pm$ 37.857 χ^2 /NDF: 13.7/20

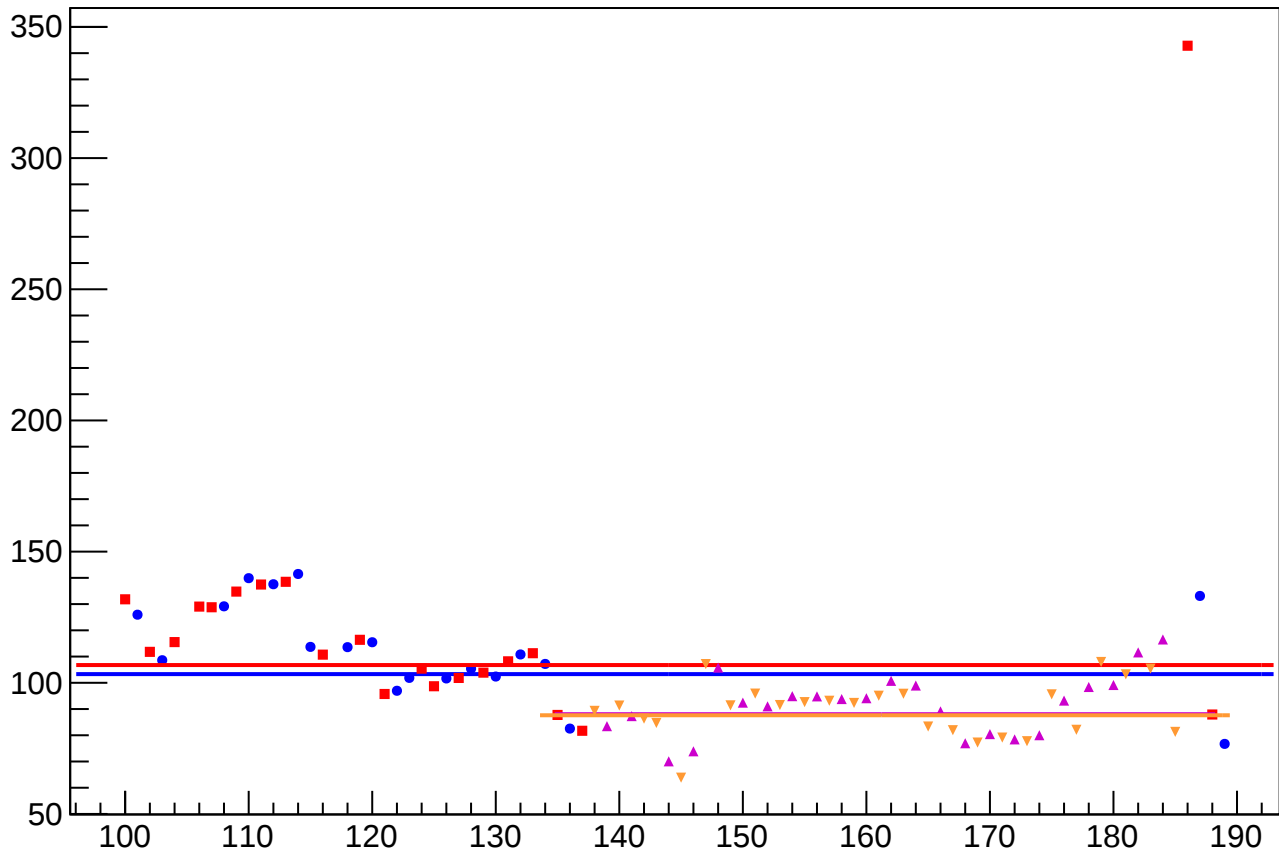
Left In: -8.343 $\pm$ 21.271 χ^2 /NDF: 22.0/22

+ sign -10.821 $\pm$ 18.215 χ^2 /NDF: 65.3/43

All: -10.065 $\pm$ 12.995 χ^2 /NDF: 100.9/87

- sign -9.282 $\pm$ 18.544 χ^2 /NDF: 35.7/43

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 103.311 $\pm$ 0.028 χ^2 /NDF: 438311.9/18

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 106.764 $\pm$ 0.027 χ^2 /NDF: 715227.1/20

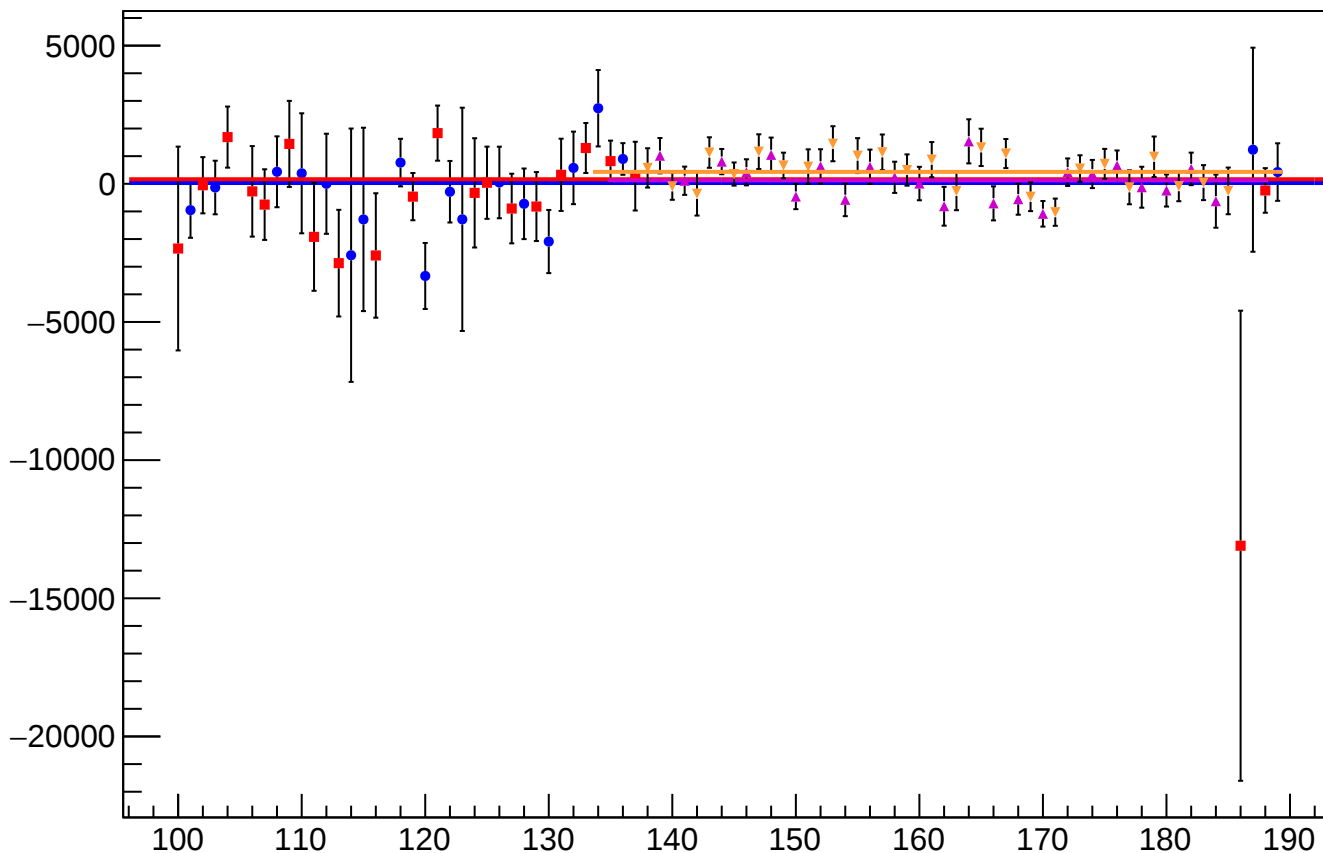
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 91.023 $\pm$ 0.013 χ^2 /NDF: 1244676.2/43

All: 91.762 $\pm$ 0.009 χ^2 /NDF: 2862489.8/87

- sign 92.527 $\pm$ 0.013 χ^2 /NDF: 1611120.6/43

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 28.416 ± 273.469 χ^2/NDF : 20.8/18

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 164.701 ± 264.537 χ^2/NDF : 18.6/20

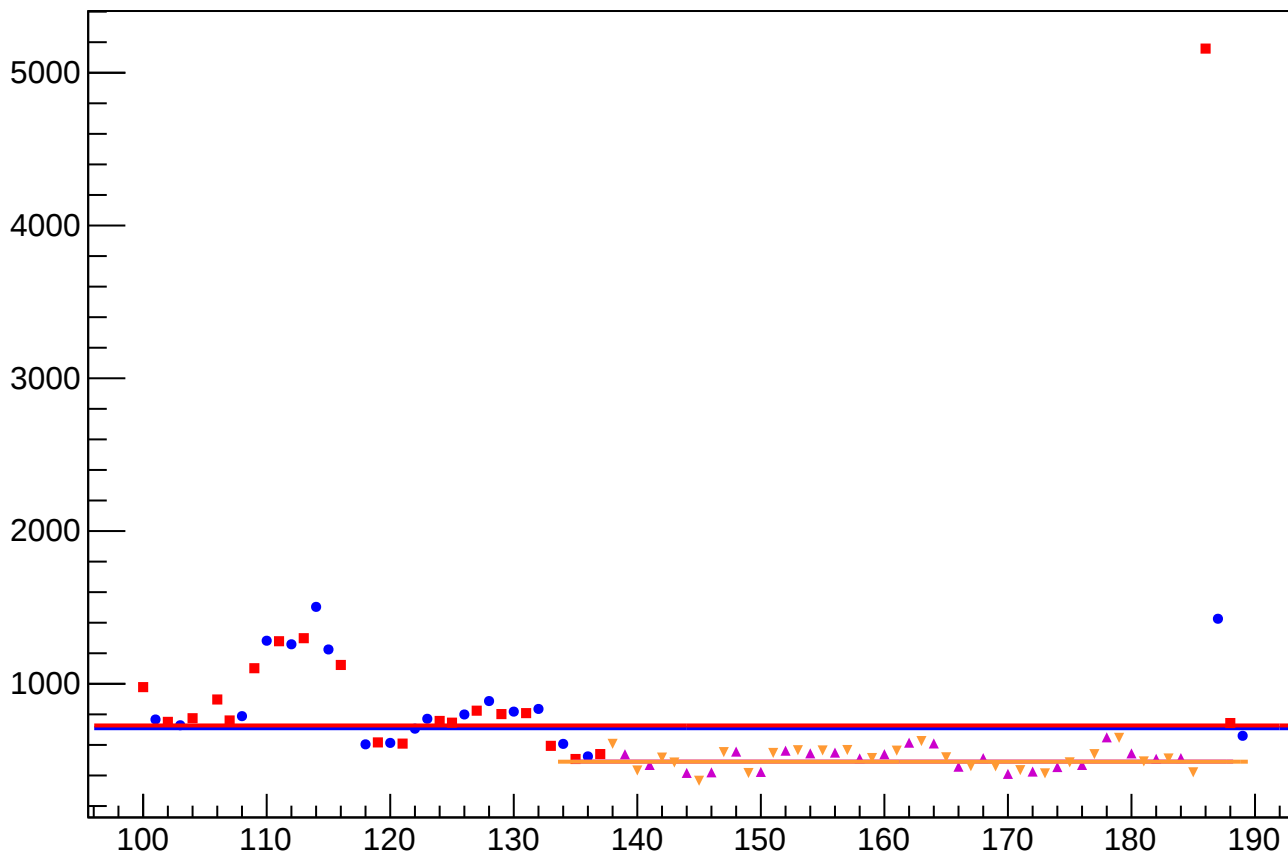
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 370.432 ± 106.560 χ^2/NDF : 53.1/43

All: 252.294 ± 75.995 χ^2/NDF : 103.5/87

- sign 130.017 ± 108.411 χ^2/NDF : 47.9/43

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 709.368 $\pm$ 0.193 χ^2 /NDF: 873342.4/18

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 727.395 $\pm$ 0.187 χ^2 /NDF: 1446428.4/20

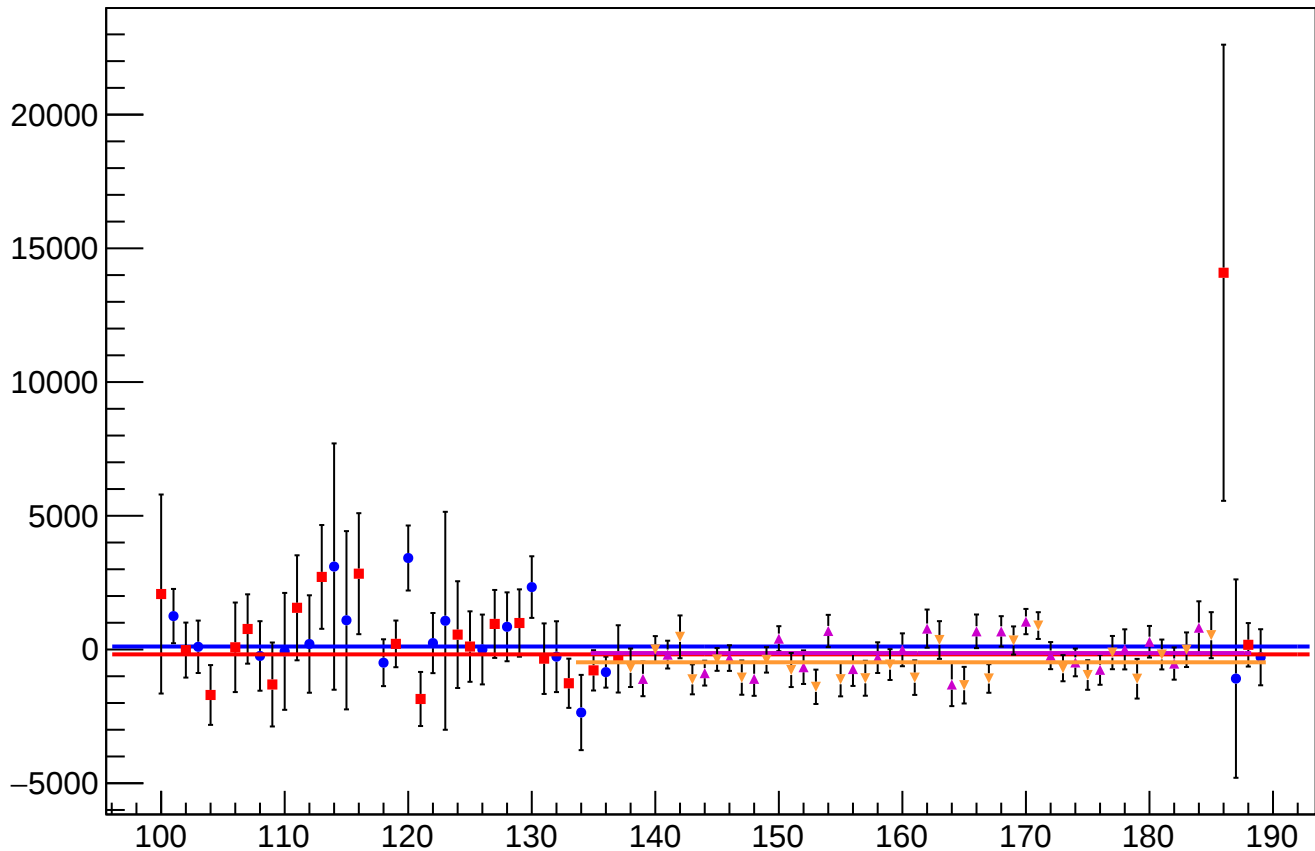
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 523.534 $\pm$ 0.075 χ^2 /NDF: 2712505.3/43

All: 527.019 $\pm$ 0.054 χ^2 /NDF: 6082411.8/87

- sign 530.626 $\pm$ 0.077 χ^2 /NDF: 3365553.0/43

asym_sam_26_48_dd_mean vs Slug



Right In: 111.640 $\pm$ 276.712 χ^2/NDF : 20.0/18

Left Out: -478.197 $\pm$ 117.659 χ^2/NDF : 27.8/24

Right Out: -181.909 $\pm$ 267.808 χ^2/NDF : 17.9/20

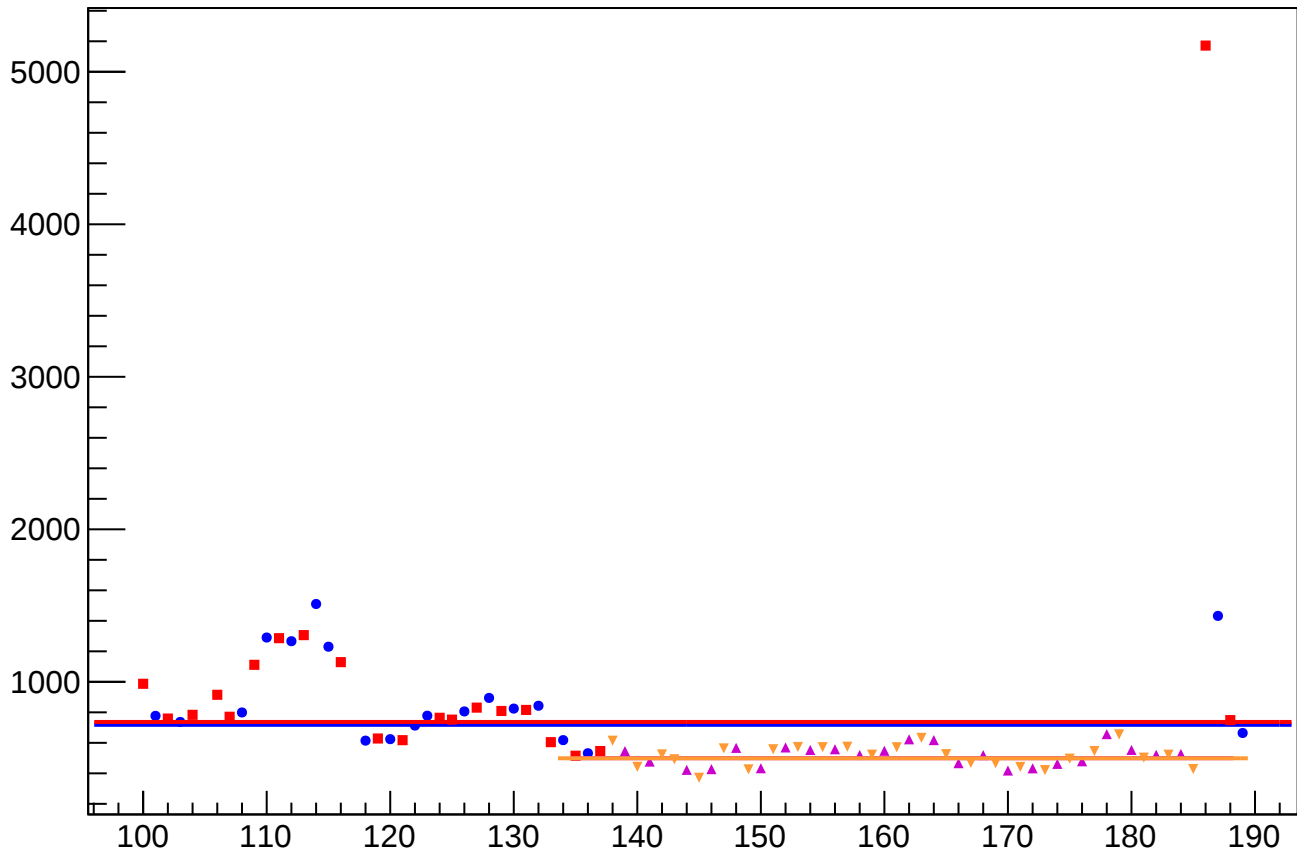
Left In: -132.543 $\pm$ 120.866 χ^2/NDF : 29.5/22

+ sign -387.884 $\pm$ 108.277 χ^2/NDF : 51.6/43

All: -266.526 $\pm$ 77.223 χ^2/NDF : 101.7/87

- sign -140.897 $\pm$ 110.166 χ^2/NDF : 47.5/43

asym_sam_26_48_dd_rms vs Slug



Right In: 718.269 $\pm$ 0.196 χ^2 /NDF: 857833.8/18

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 736.928 $\pm$ 0.189 χ^2 /NDF: 1425931.4/20

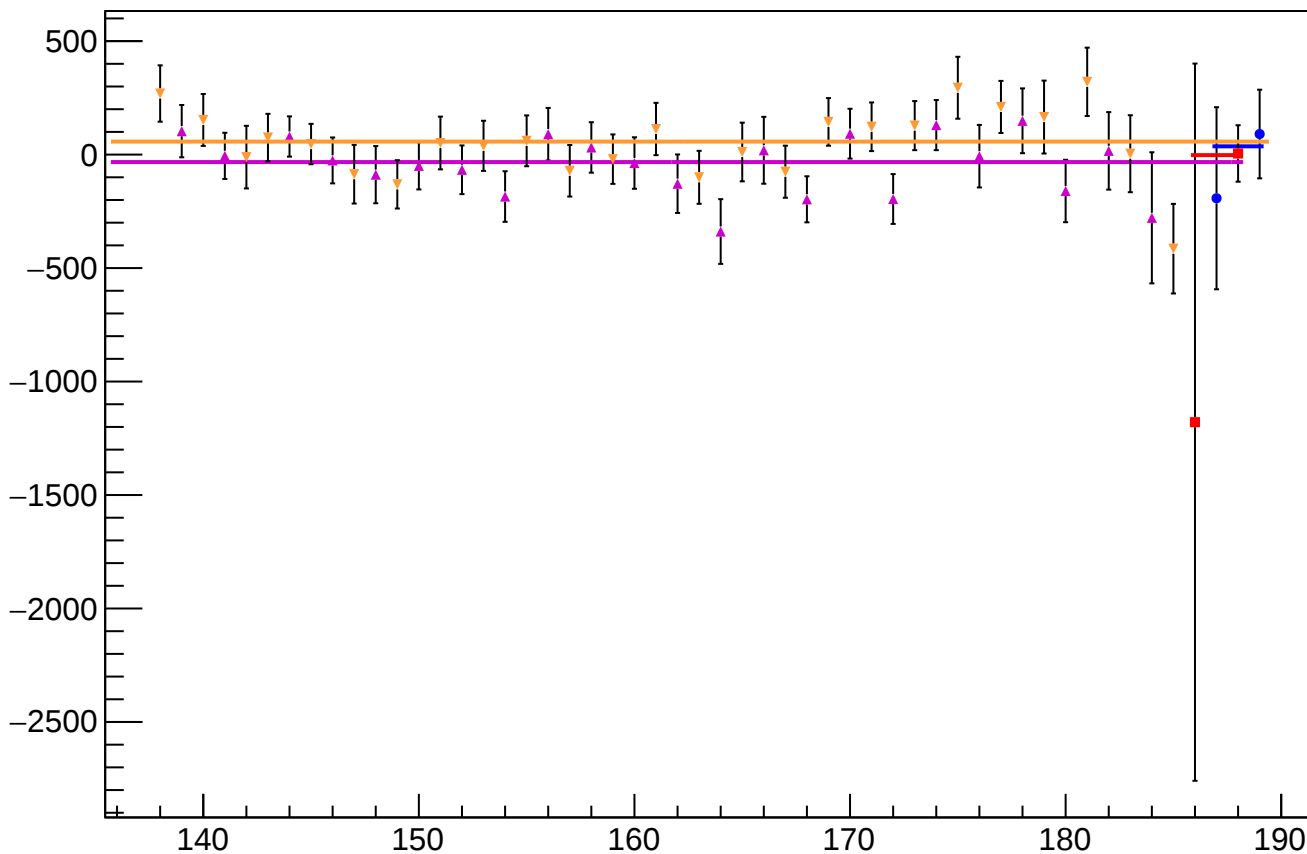
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 532.365 $\pm$ 0.077 χ^2 /NDF: 2658057.0/43

All: 535.914 $\pm$ 0.055 χ^2 /NDF: 5972045.5/87

- sign 539.588 $\pm$ 0.078 χ^2 /NDF: 3309615.5/43

reg_asym_sam_1548_avg_mean vs Slug



Right In: 36.446 ± 175.597 χ^2/NDF : 0.4/1

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: -2.318 ± 124.048 χ^2/NDF : 0.6/1

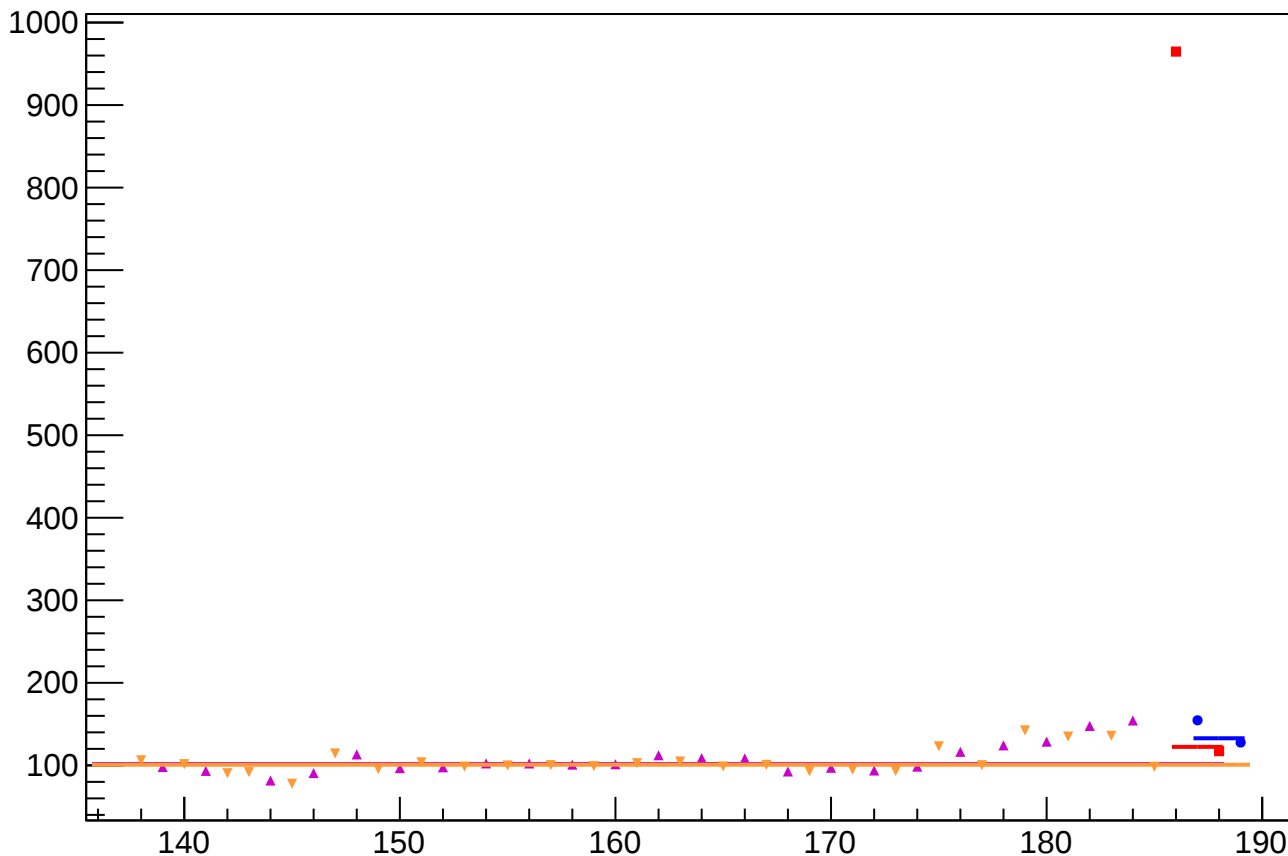
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 56.839 ± 23.500 χ^2/NDF : 29.6/26

All: 13.674 ± 16.831 χ^2/NDF : 60.8/51

- sign -31.790 ± 24.118 χ^2/NDF : 24.2/24

reg_asym_sam_1548_avg_rms vs Slug



Right In: 132.832 $\pm$ 0.124 χ^2 /NDF: 7297.0/1

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF:600502.4/24

Right Out: 122.415 $\pm$ 0.088 χ^2 /NDF: 571920.0/1

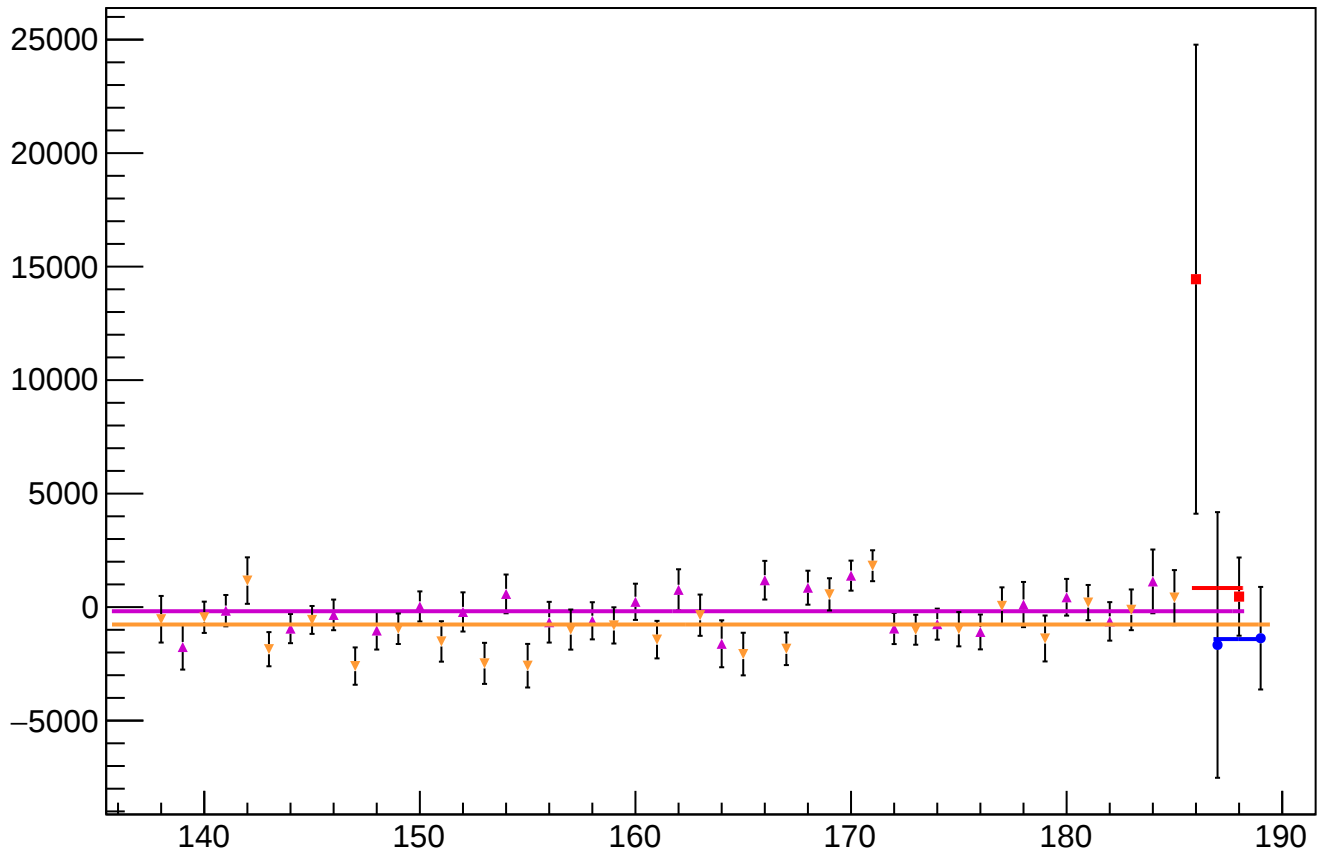
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF:582329.3/22

+ sign 101.374 $\pm$ 0.017 χ^2 /NDF: 673158.1/26

All: 101.878 $\pm$ 0.012 χ^2 /NDF: 1883363.1/51

- sign 102.408 $\pm$ 0.017 χ^2 /NDF: 1208321.0/24

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1408.497 $\pm$ 2107.598 χ^2 /NDF: 0.0/1

Left Out: -766.358 $\pm$ 161.066 χ^2 /NDF: 46.5/24

Right Out: 840.863 $\pm$ 1699.002 χ^2 /NDF: 1.8/1

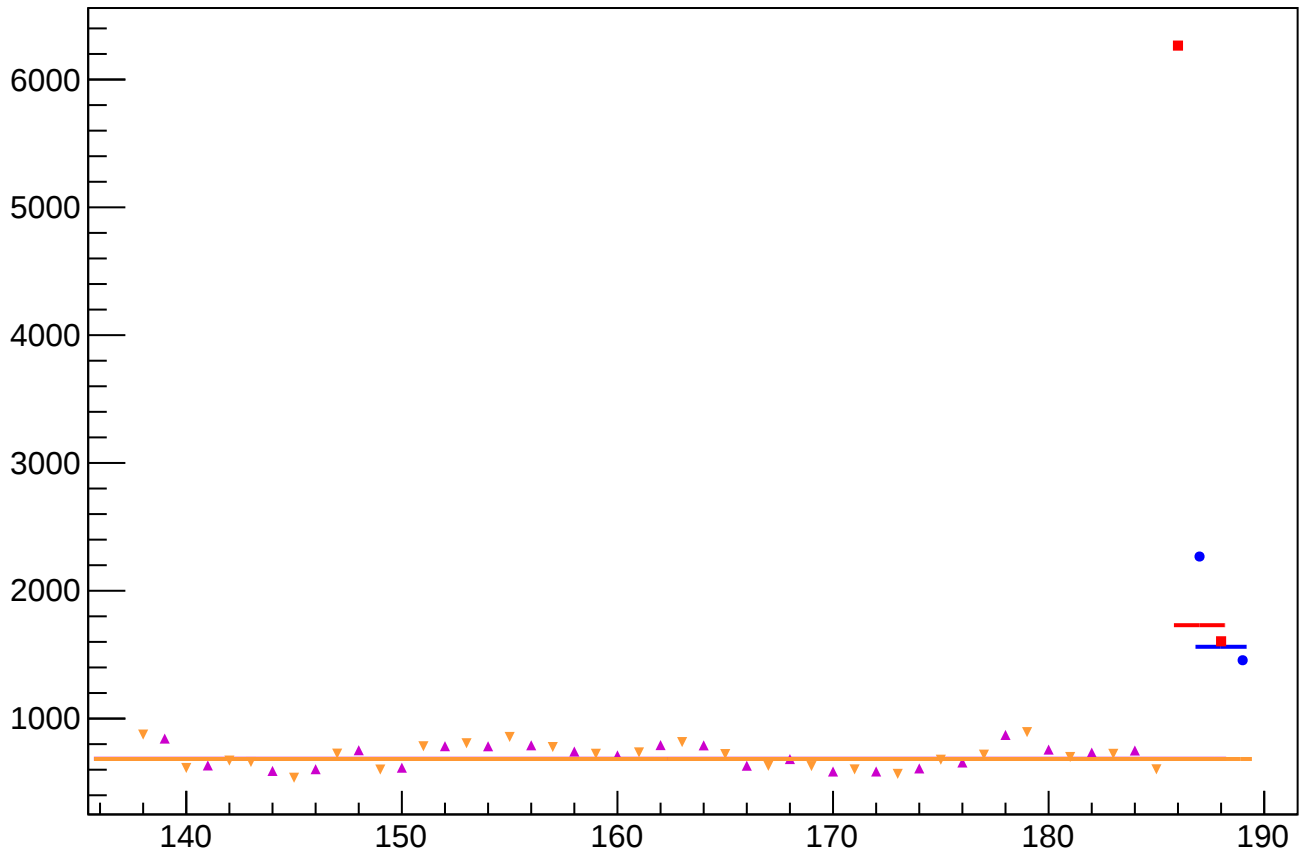
Left In: -181.584 $\pm$ 165.671 χ^2 /NDF: 25.0/22

+ sign -770.086 $\pm$ 160.598 χ^2 /NDF: 46.6/26

All: -478.903 $\pm$ 115.047 χ^2 /NDF: 80.5/51

- sign -171.953 $\pm$ 164.889 χ^2 /NDF: 27.1/24

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1561.751 $\pm$ 1.490 χ^2 /NDF: 33460.3/1

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1730.712 $\pm$ 1.201 χ^2 /NDF: 396004.6/1

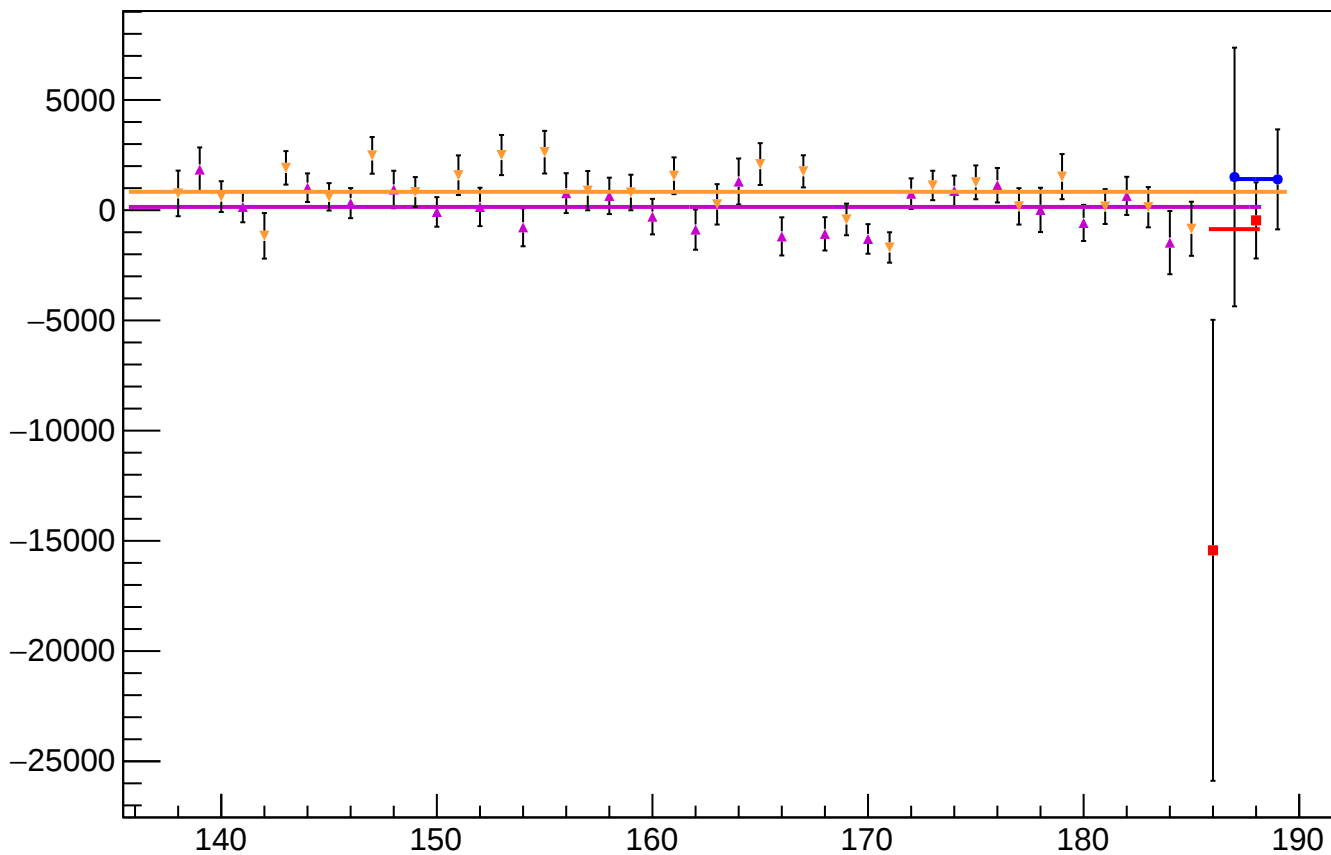
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 688.982 $\pm$ 0.114 χ^2 /NDF: 1045589.6/26

All: 692.124 $\pm$ 0.081 χ^2 /NDF: 2722180.4/51

- sign 695.437 $\pm$ 0.117 χ^2 /NDF: 1675017.9/24

asym_sam_1548_avg_mean vs Slug



Right In: 1412.450 ± 2115.695 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 833.395 ± 162.965 $\chi^2/\text{NDF}: 43.2/24$

Right Out: -859.557 ± 1704.448 $\chi^2/\text{NDF}: 2.0/1$

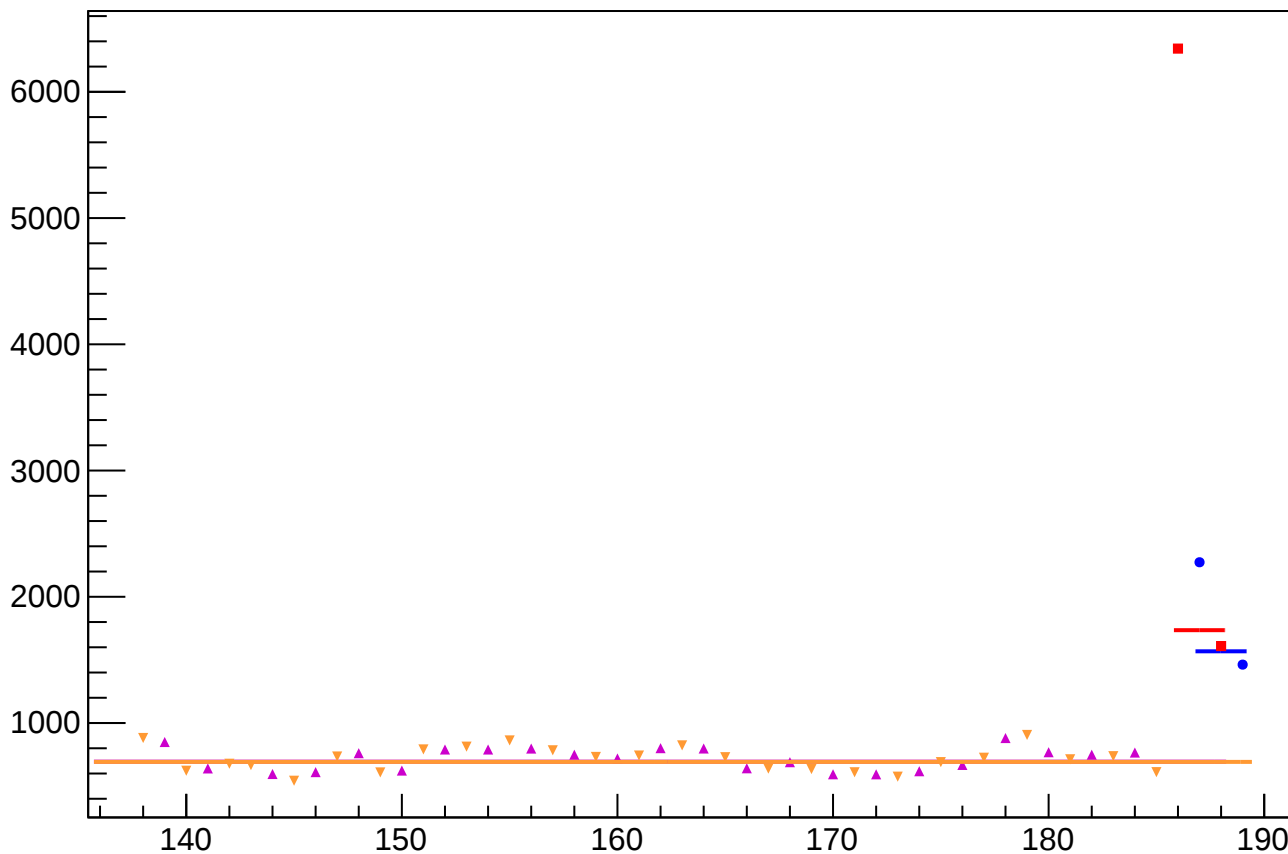
Left In: 148.814 ± 167.644 $\chi^2/\text{NDF}: 26.0/22$

+ sign 836.810 ± 162.484 $\chi^2/\text{NDF}: 43.3/26$

All: 497.206 ± 116.403 $\chi^2/\text{NDF}: 80.6/51$

- sign 139.152 ± 166.839 $\chi^2/\text{NDF}: 28.4/24$

asym_sam_1548_avg_rms vs Slug



Right In: 1568.075+/-1.496 χ^2/NDF : 33242.5/1

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1735.456+/-1.205 χ^2/NDF : 398901.0/1

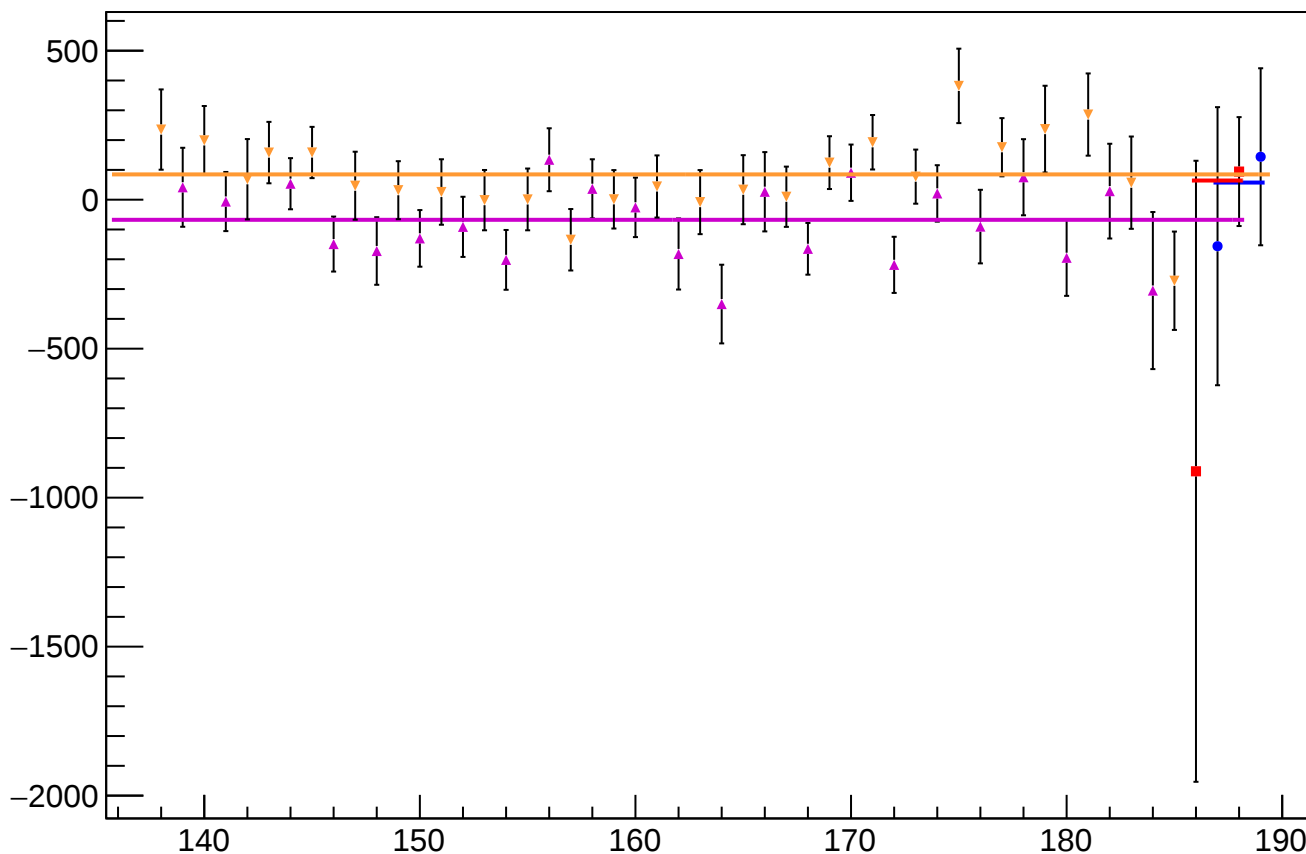
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 697.263+/-0.115 χ^2/NDF : 1031335.0/26

All: 700.468+/-0.082 χ^2/NDF : 2693619.7/51

- sign 703.847+/-0.118 χ^2/NDF : 1660686.4/24

reg_asym_sam_3748_avg_mean vs Slug



Right In: 57.476 ± 250.583 χ^2/NDF : 0.3/1

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 64.322 ± 180.011 χ^2/NDF : 0.9/1

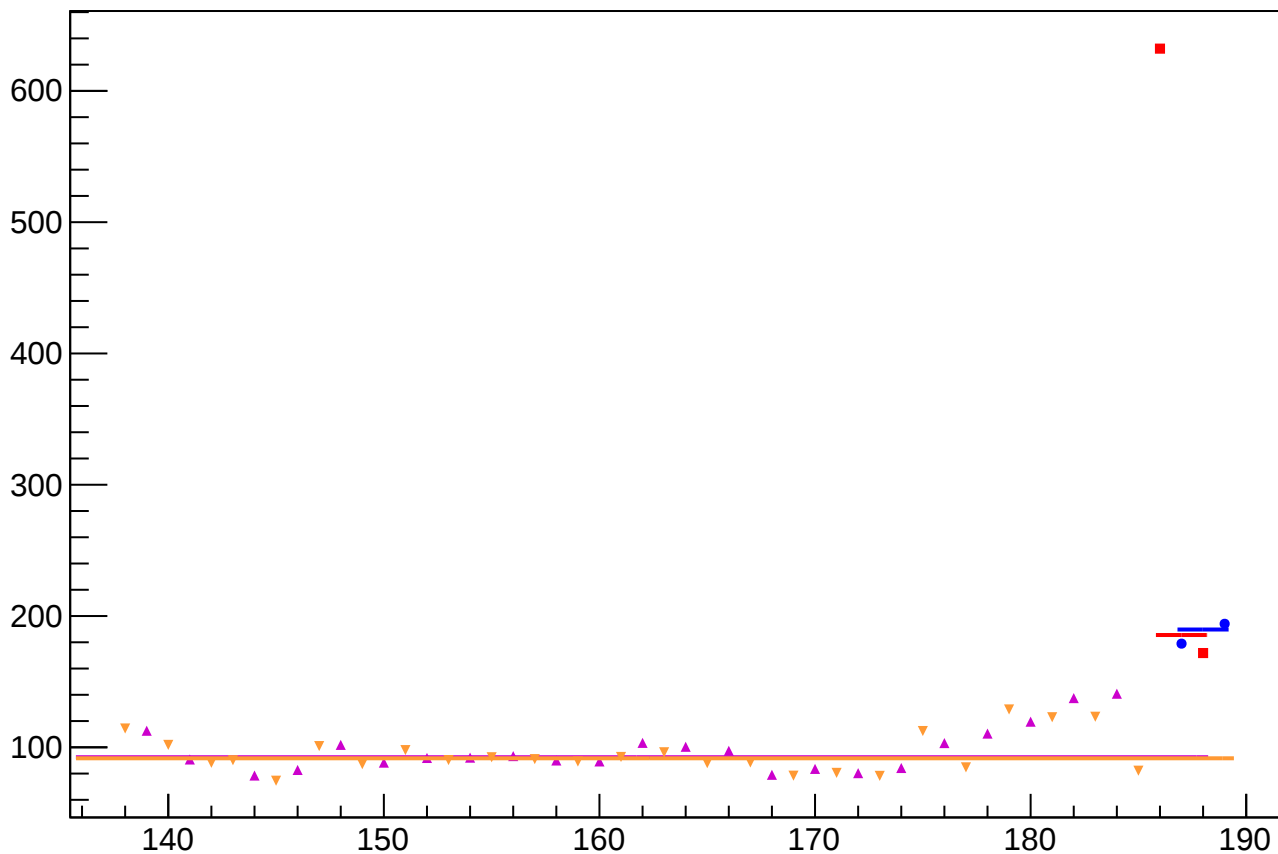
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 84.657 ± 21.563 χ^2/NDF : 28.8/26

All: 12.008 ± 15.493 χ^2/NDF : 82.6/51

- sign -65.533 ± 22.277 χ^2/NDF : 30.3/24

reg_asym_sam_3748_avg_rms vs Slug



Right In: 189.729 ± 0.177 χ^2/NDF : 1496.1/1

Left Out: 91.633 ± 0.015 χ^2/NDF : 693122.0/24

Right Out: 185.539 ± 0.127 χ^2/NDF : 378714.5/1

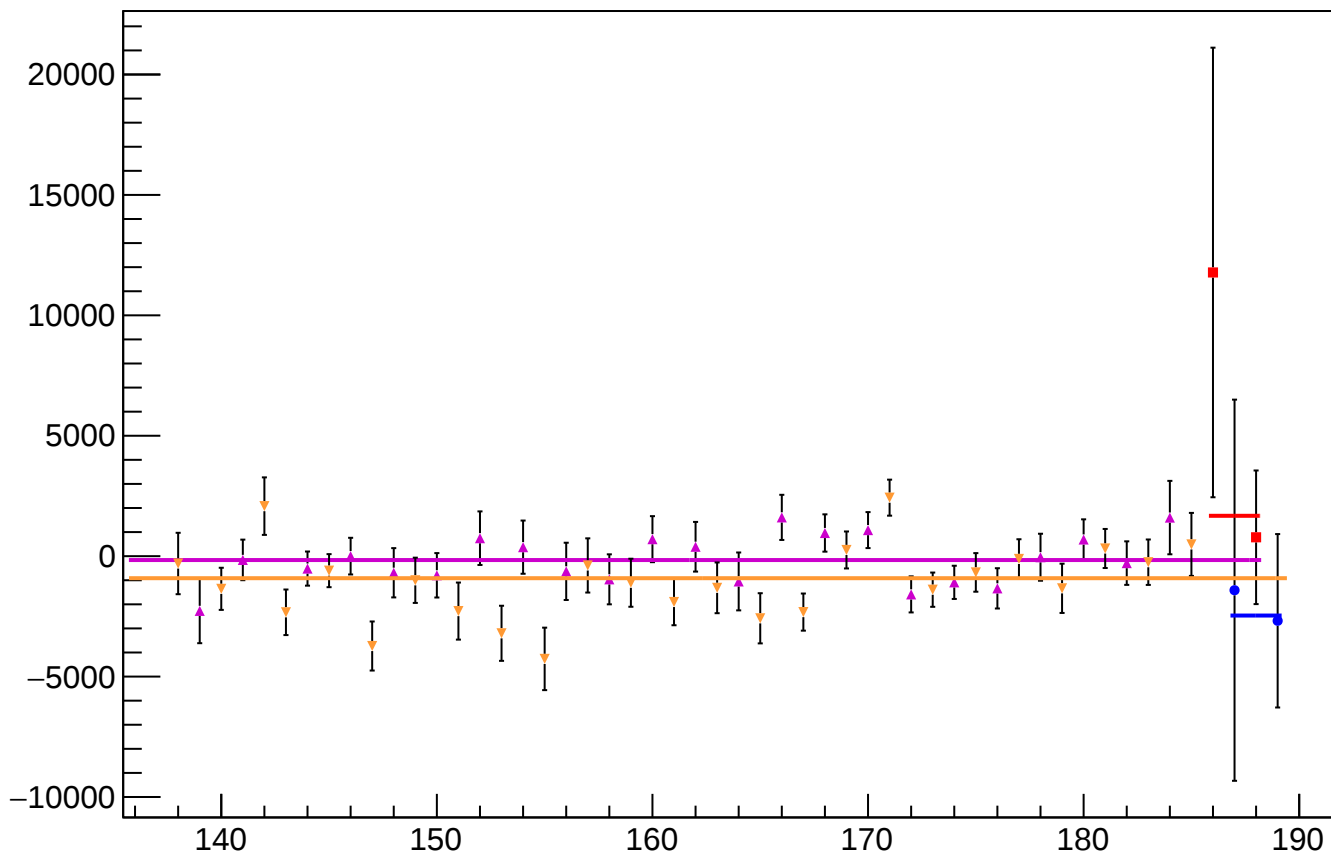
Left In: 92.466 ± 0.016 χ^2/NDF : 655700.4/22

+ sign 92.359 ± 0.015 χ^2/NDF : 998849.2/26

All: 93.100 ± 0.011 χ^2/NDF : 2564626.6/51

- sign 93.891 ± 0.016 χ^2/NDF : 1560892.4/24

asym_sam_3748_avg_correction_mean vs Slug



Right In: -2465.447 ± 3277.219 χ^2/NDF : 0.0/1

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: 1676.198 ± 2659.158 χ^2/NDF : 1.3/1

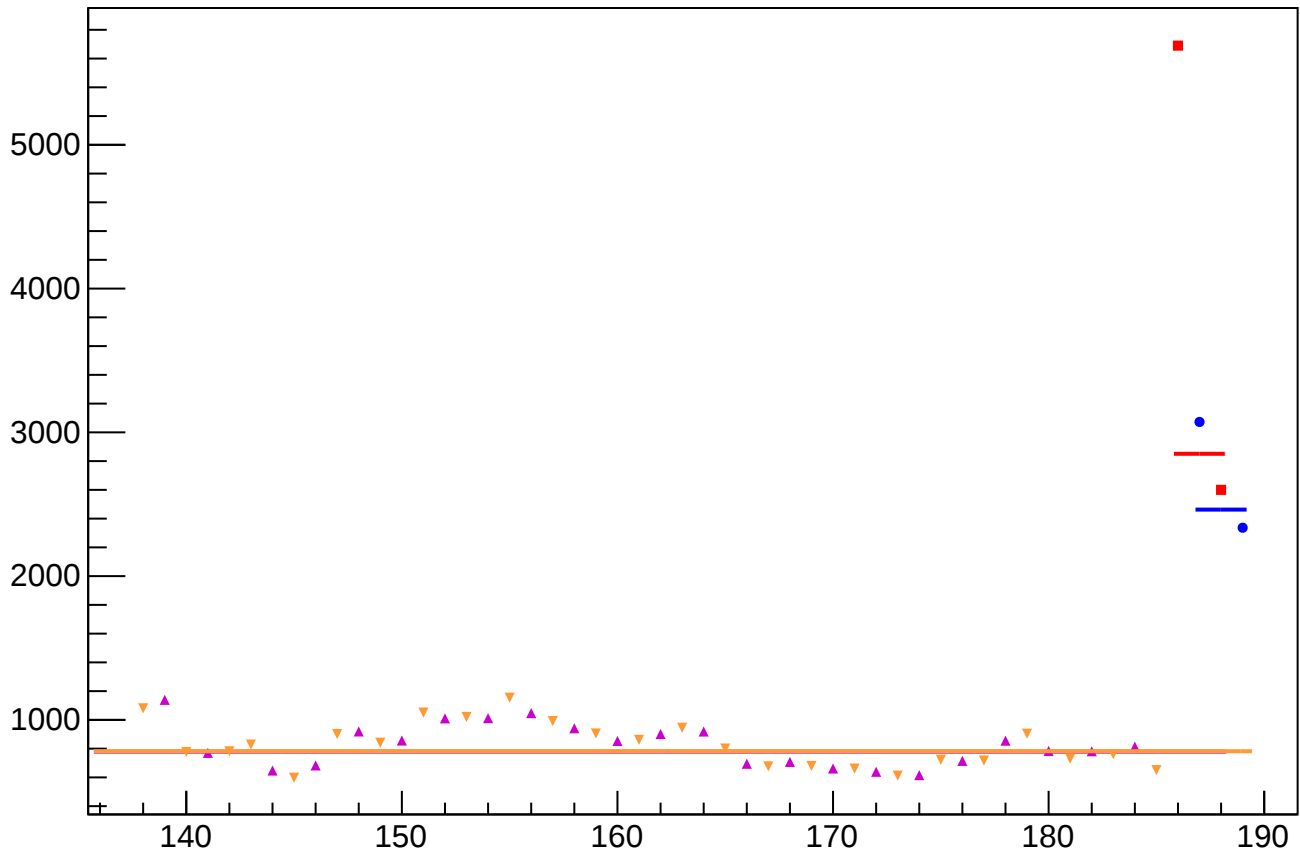
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -919.663 ± 185.045 χ^2/NDF : 64.4/26

All: -543.870 ± 132.227 χ^2/NDF : 99.7/51

- sign -151.794 ± 189.011 χ^2/NDF : 26.8/24

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2462.759 $\pm$ 2.317 χ^2 /NDF: 14329.0/1

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF:1130984.3/24

Right Out: 2850.957 $\pm$ 1.880 χ^2 /NDF: 201371.7/1

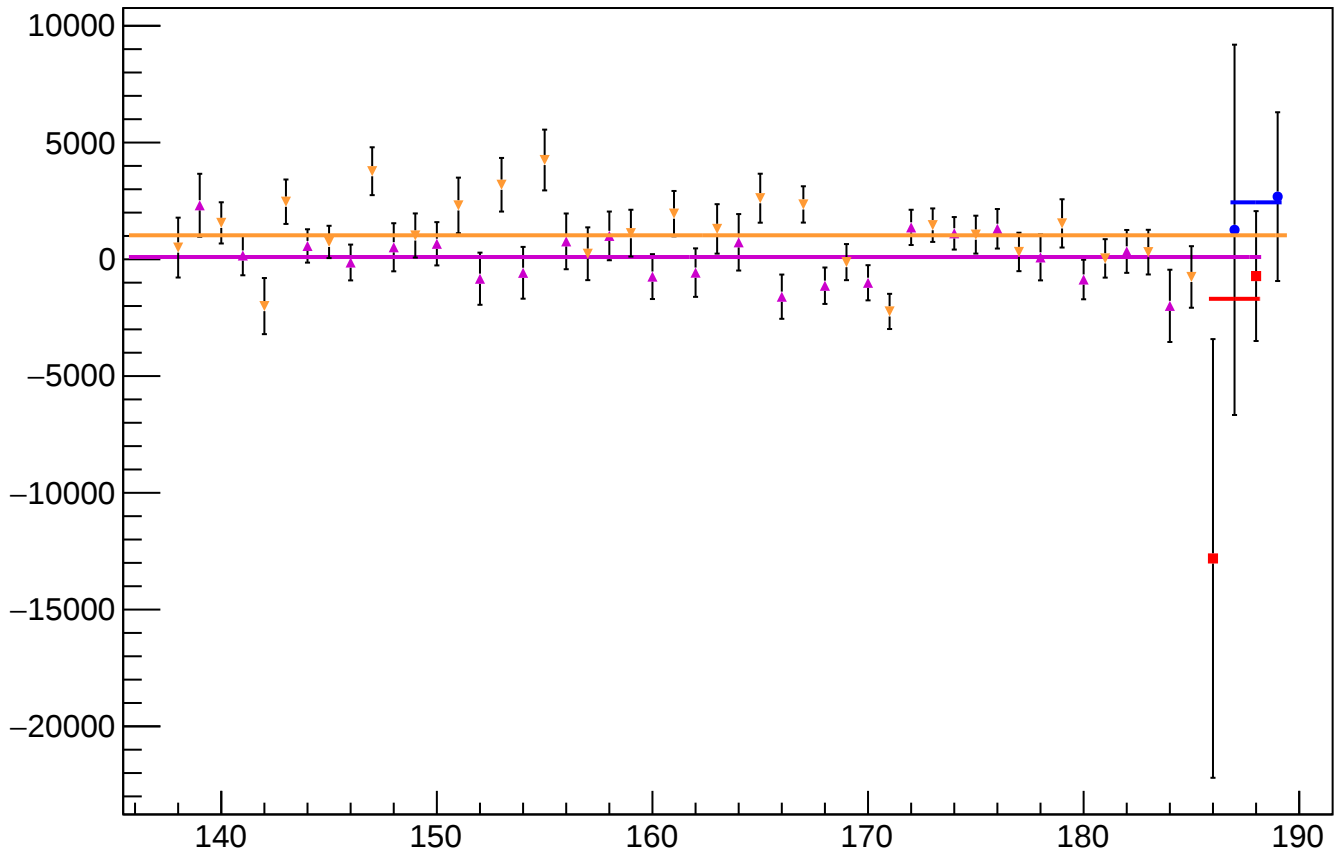
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF:980243.4/22

+ sign 787.400 $\pm$ 0.131 χ^2 /NDF: 1669663.8/26

All: 788.410 $\pm$ 0.093 χ^2 /NDF: 4059507.6/51

- sign 789.463 $\pm$ 0.134 χ^2 /NDF: 2389722.2/24

asym_sam_3748_avg_mean vs Slug



Right In: 2439.763+/-3288.332 χ^2/NDF : 0.0/1

Left Out: 1028.864+/-186.810 χ^2/NDF : 60.2/24

Right Out: -1691.647+/-2666.559 χ^2/NDF : 1.5/1

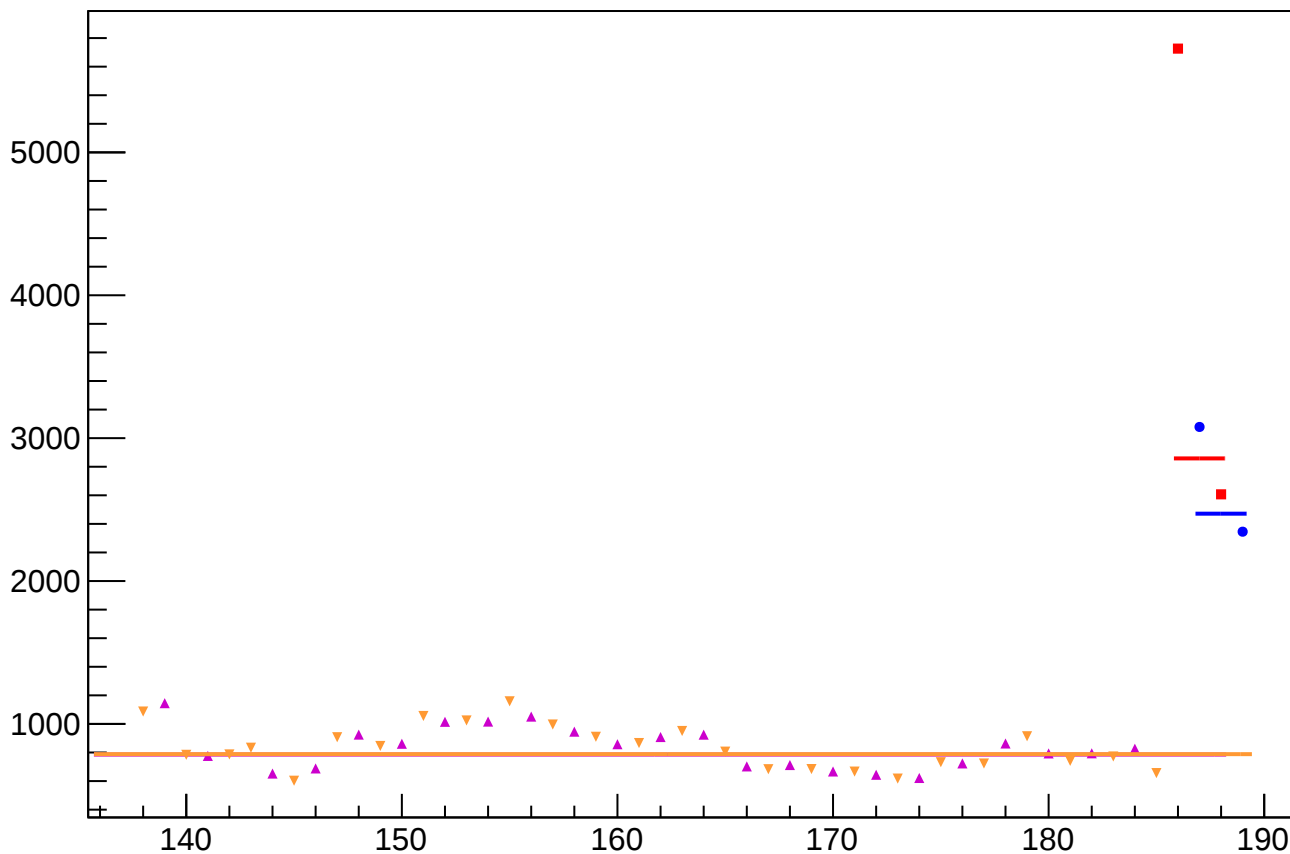
Left In: 98.691+/-191.027 χ^2/NDF : 25.4/22

+ sign 1033.403+/-186.509 χ^2/NDF : 60.4/26

All: 571.561+/-133.284 χ^2/NDF : 100.3/51

- sign 89.550+/-190.539 χ^2/NDF : 27.4/24

asym_sam_3748_avg_rms vs Slug



Right In: 2471.451+/-2.325 χ^2/NDF : 14155.6/1

Left Out: 788.442+/-0.132 χ^2/NDF : 1113741.6/24

Right Out: 2858.196+/-1.886 χ^2/NDF : 202769.9/1

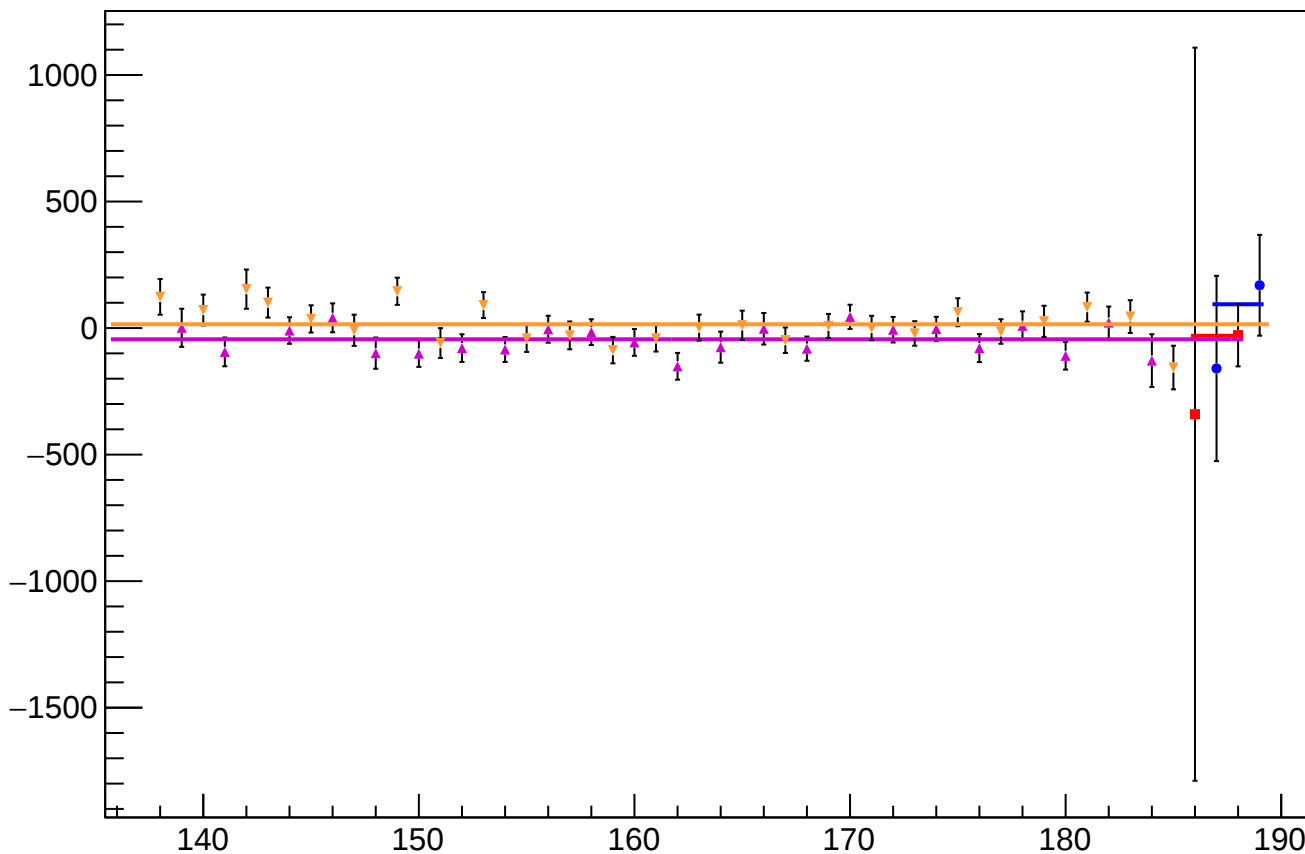
Left In: 785.490+/-0.135 χ^2/NDF : 965338.9/22

+ sign 793.856+/-0.132 χ^2/NDF : 1650115.4/26

All: 794.941+/-0.094 χ^2/NDF : 4020570.4/51

- sign 796.073+/-0.135 χ^2/NDF : 2370316.7/24

reg_asym_sam_1526_avg_mean vs Slug



Right In: 94.130+/-174.959 χ^2/NDF : 0.6/1

Left Out: 15.099+/-11.154 χ^2/NDF : 34.2/24

Right Out: -30.360+/-122.858 χ^2/NDF : 0.0/1

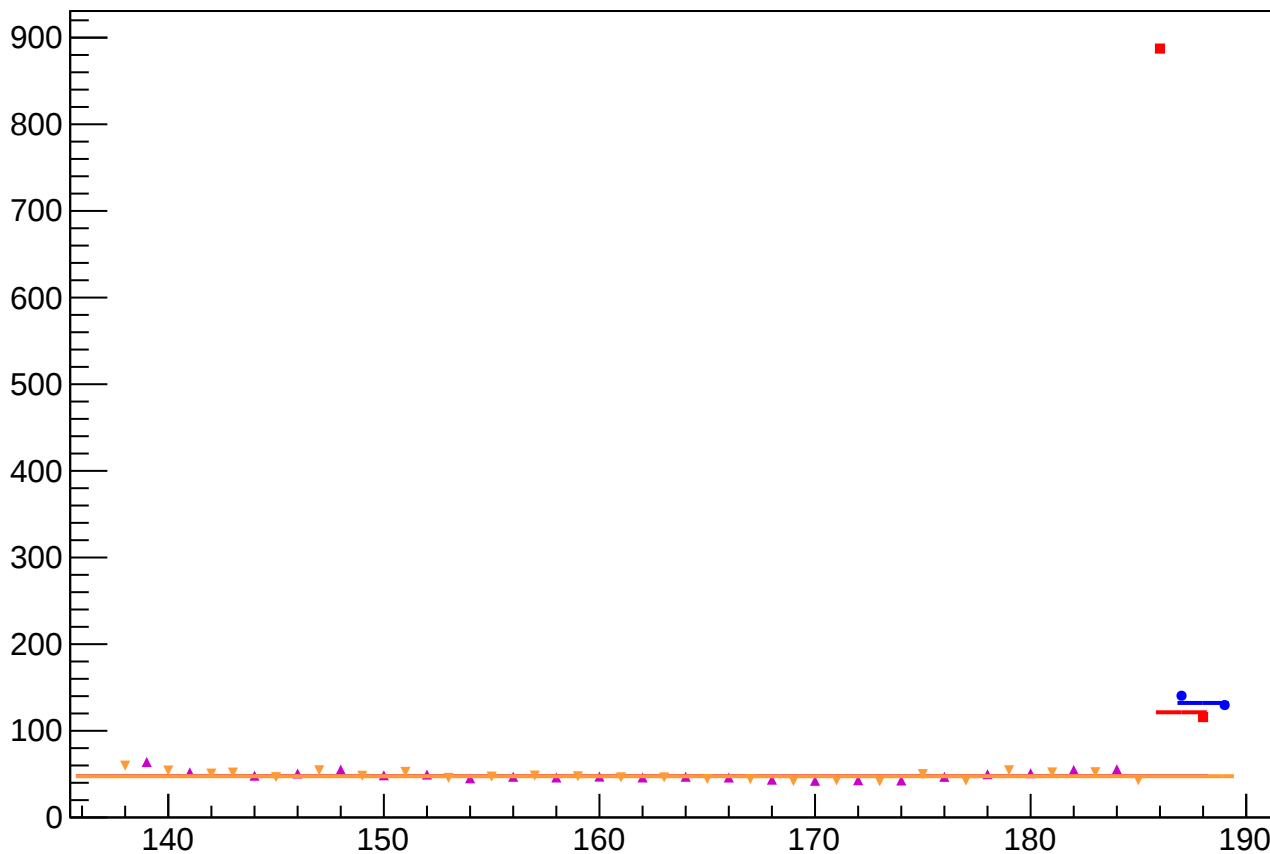
Left In: -44.297+/-11.530 χ^2/NDF : 22.3/22

+ sign 15.419+/-11.132 χ^2/NDF : 35.0/26

All: -13.462+/-7.991 χ^2/NDF : 71.3/51

- sign -44.176+/-11.479 χ^2/NDF : 22.3/24

reg_asym_sam_1526_avg_rms vs Slug



Right In: 132.164 $\pm$ 0.124 χ^2 /NDF: 1348.3/1

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF:312874.8/24

Right Out: 121.365 $\pm$ 0.087 χ^2 /NDF: 563398.3/1

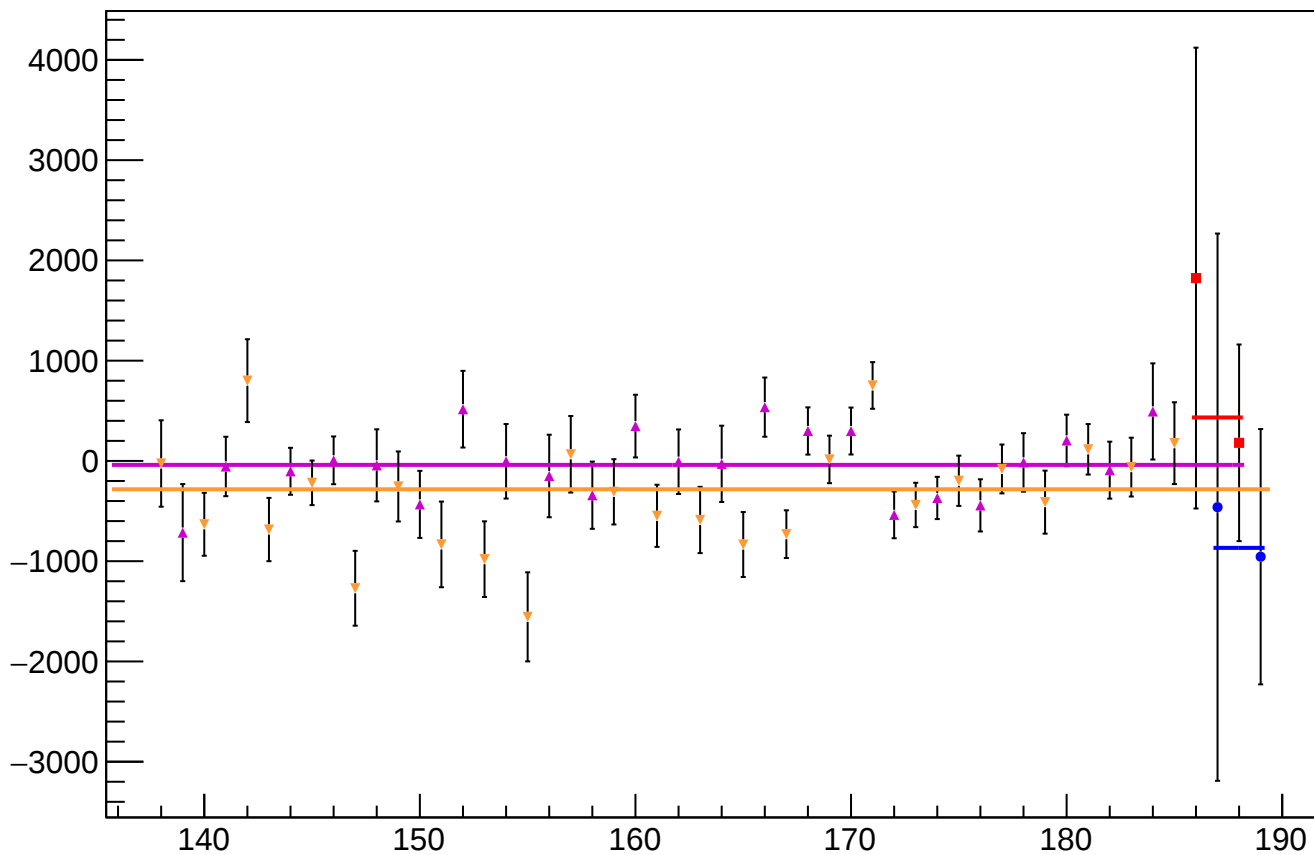
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF:281790.1/22

+ sign 47.929 $\pm$ 0.008 χ^2 /NDF: 779711.3/26

All: 48.200 $\pm$ 0.006 χ^2 /NDF: 2337274.9/51

- sign 48.488 $\pm$ 0.008 χ^2 /NDF: 1555116.7/24

asym_sam_1526_avg_correction_mean vs Slug



Right In: -867.113+/-1153.869 χ^2/NDF : 0.0/1

Left Out: -282.798+/-59.690 χ^2/NDF : 66.5/24

Right Out: 433.624+/-901.865 χ^2/NDF : 0.4/1

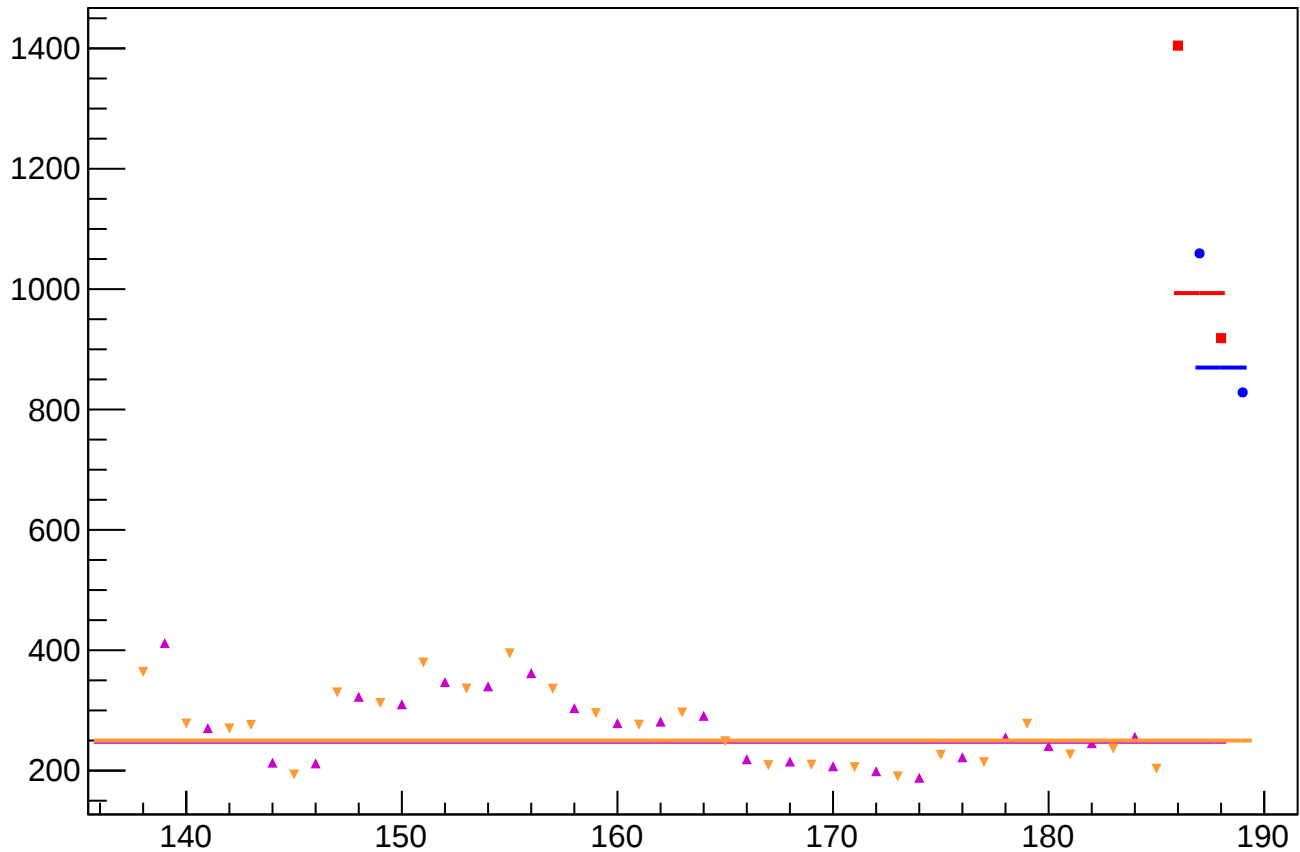
Left In: -39.432+/-60.759 χ^2/NDF : 27.5/22

+ sign -284.358+/-59.610 χ^2/NDF : 66.8/26

All: -162.904+/-42.504 χ^2/NDF : 103.5/51

- sign -37.294+/-60.621 χ^2/NDF : 28.3/24

asym_sam_1526_avg_correction_rms vs Slug



Right In: 869.689 $\pm$ 0.816 χ^2 /NDF: 11766.9/1

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF:1614205.9/24

Right Out: 993.429 $\pm$ 0.638 χ^2 /NDF: 75654.7/1

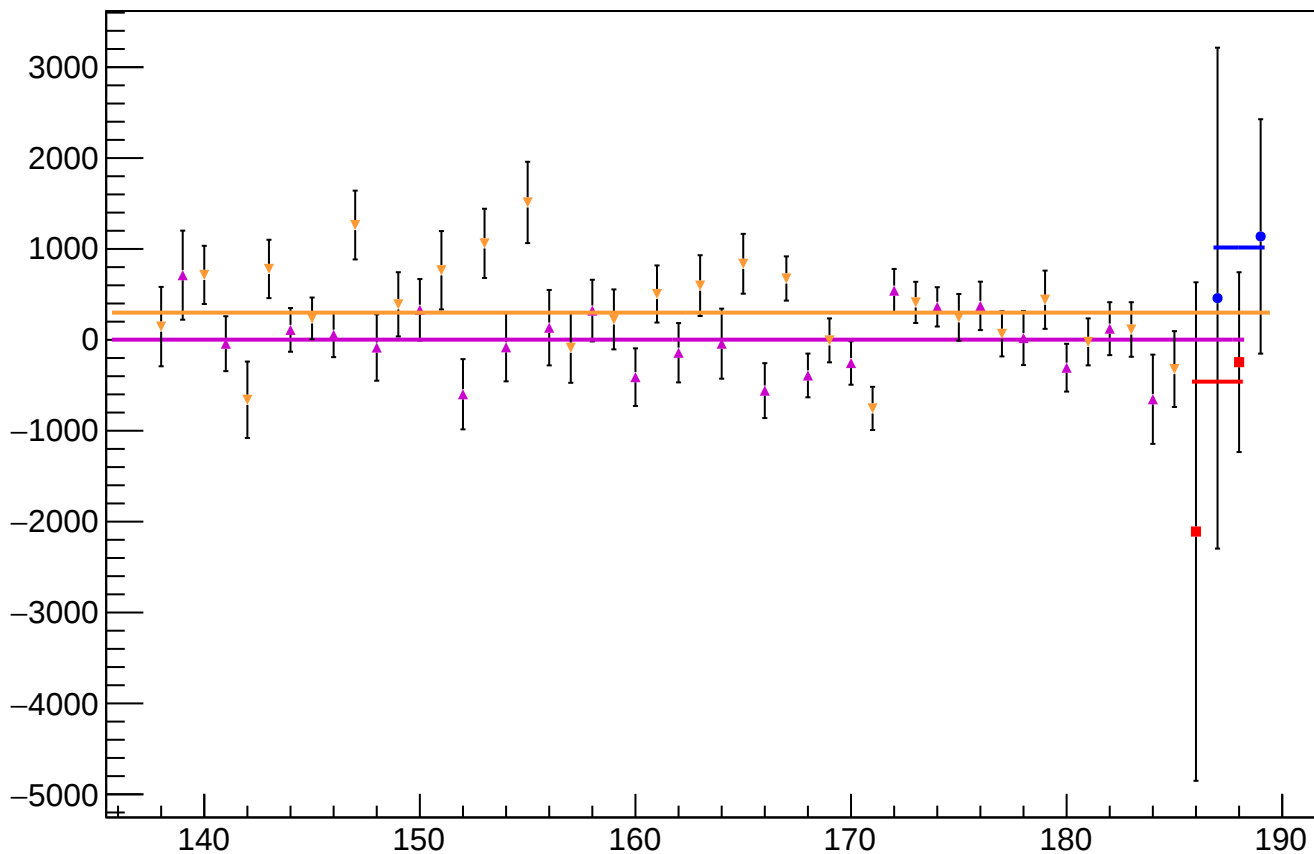
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF:1410847.5/22

+ sign 251.610 $\pm$ 0.042 χ^2 /NDF: 2201366.3/26

All: 251.451 $\pm$ 0.030 χ^2 /NDF: 5048368.0/51

- sign 251.285 $\pm$ 0.043 χ^2 /NDF: 2846972.5/24

asym_sam_1526_avg_mean vs Slug



Right In: 1016.027 $\pm$ 1167.997 χ^2 /NDF: 0.0/1

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF:62.5/24

Right Out: -459.865 $\pm$ 930.597 χ^2 /NDF: 0.4/1

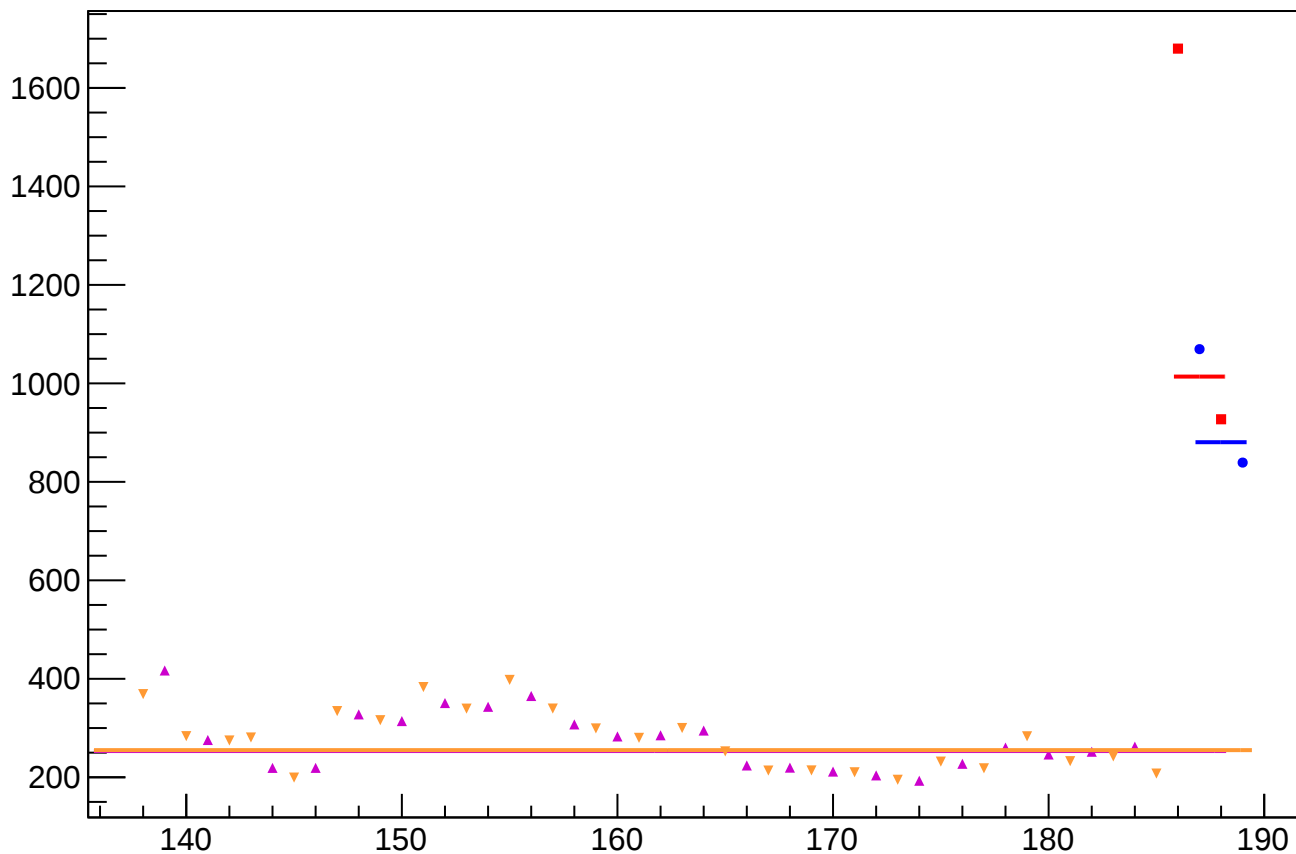
Left In: 2.185 $\pm$ 62.005 χ^2 /NDF:29.2/22

+ sign 301.502 $\pm$ 60.777 χ^2 /NDF: 62.9/26

All: 153.502 $\pm$ 43.356 χ^2 /NDF: 104.8/51

- sign 0.143 $\pm$ 61.868 χ^2 /NDF: 29.8/24

asym_sam_1526_avg_rms vs Slug



Right In: 880.517+/-0.826 χ^2/NDF : 11468.6/1

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 1013.781+/-0.658 χ^2/NDF : 133327.5/1

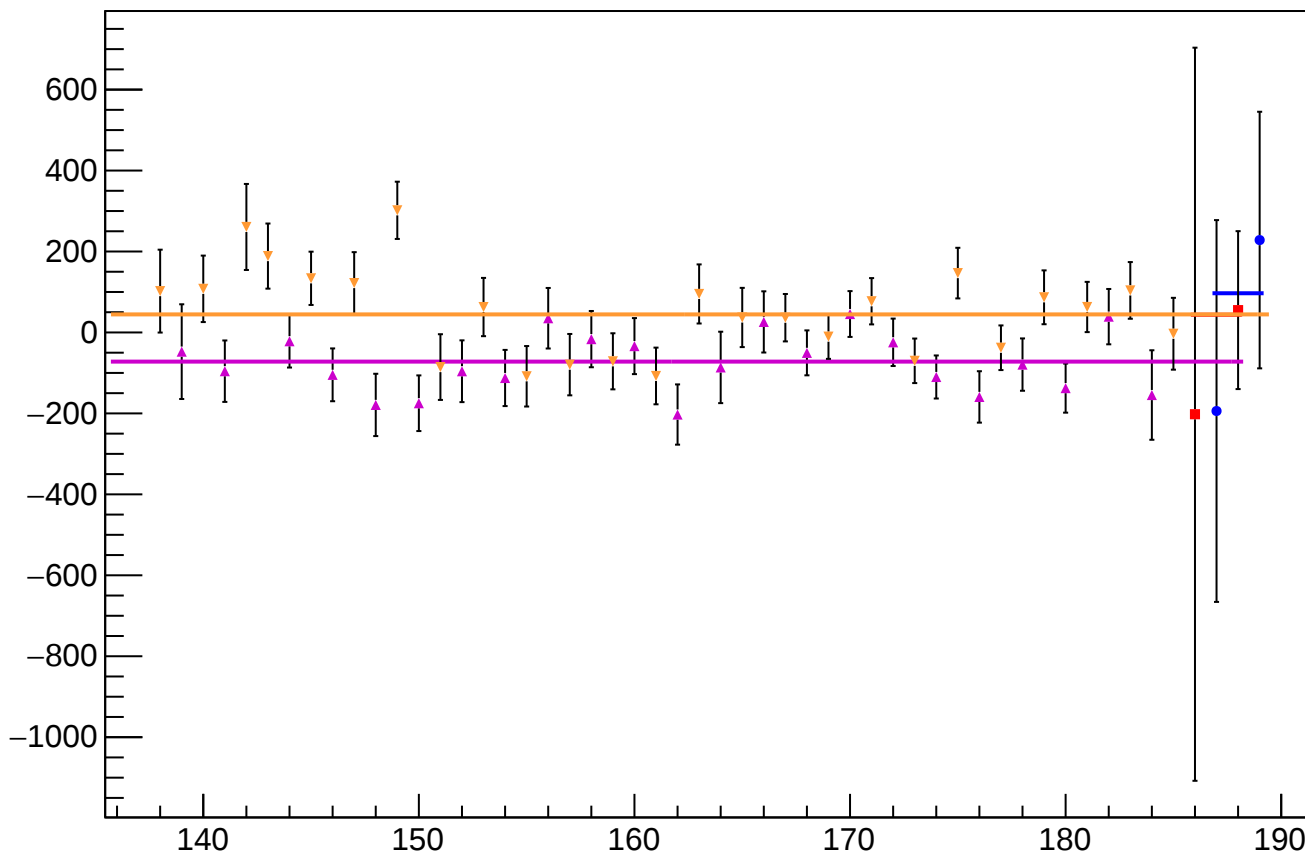
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 256.829+/-0.043 χ^2/NDF : 2125327.8/26

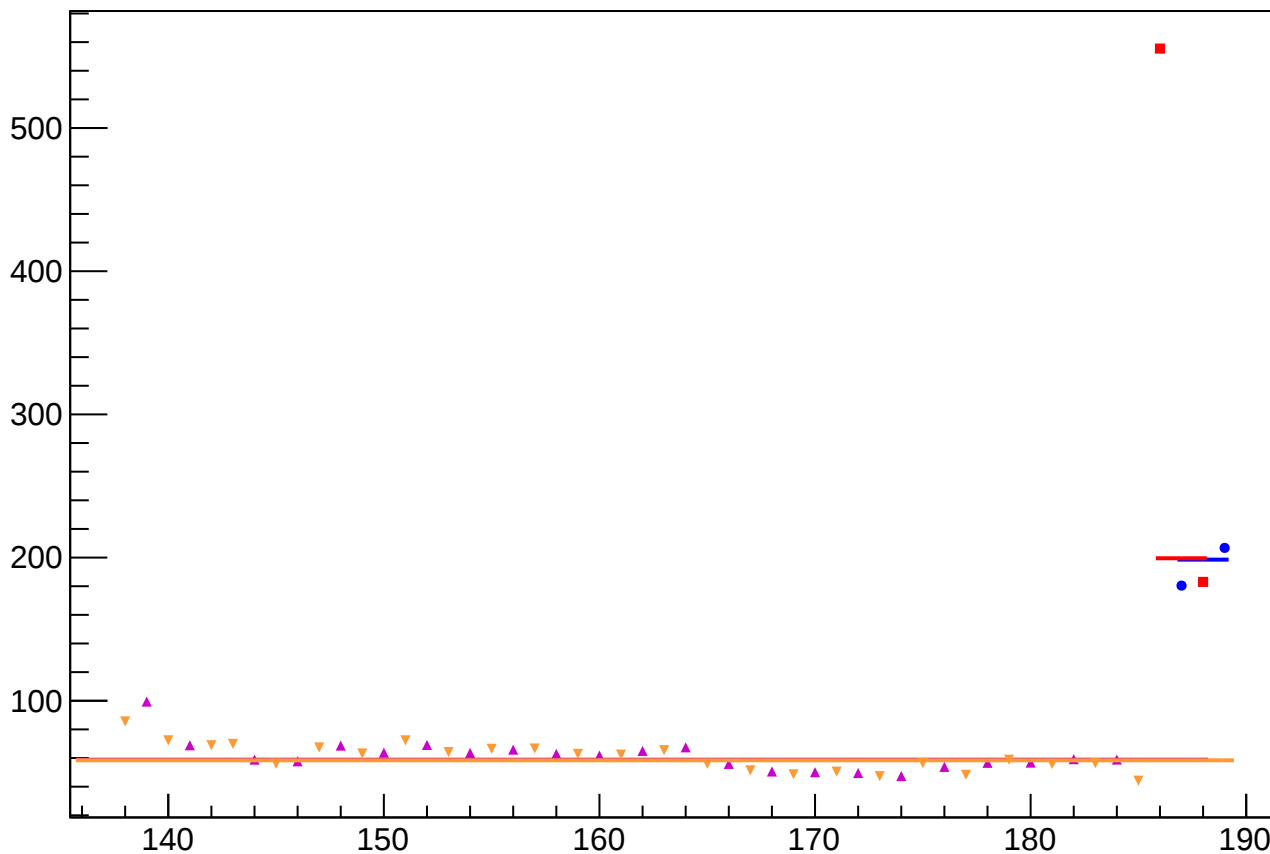
All: 256.740+/-0.031 χ^2/NDF : 4930086.8/51

- sign 256.649+/-0.044 χ^2/NDF : 2804750.5/24

reg_asym_sam_3726_avg_mean vs Slug



reg_asym_sam_3726_avg_rms vs Slug



Right In: 198.575 $\pm$ 0.186 χ^2/NDF : 4294.4/1

Left Out: 58.423 $\pm$ 0.010 χ^2/NDF : 790091.3/24

Right Out: 199.529 $\pm$ 0.135 χ^2/NDF : 323270.5/1

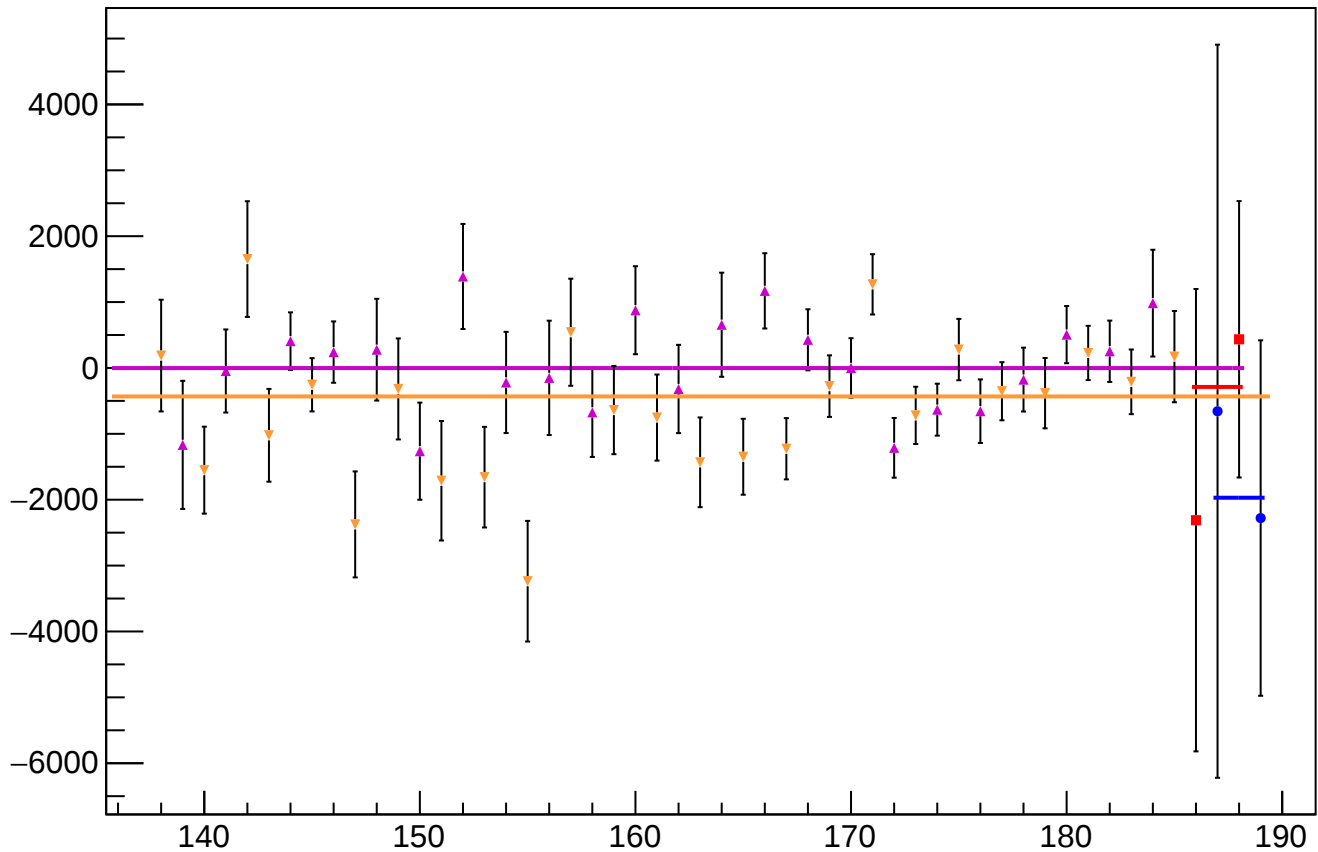
Left In: 58.840 $\pm$ 0.010 χ^2/NDF : 679925.7/22

+ sign 58.809 $\pm$ 0.010 χ^2/NDF : 1360358.3/26

All: 59.204 $\pm$ 0.007 χ^2/NDF : 3449232.9/51

- sign 59.626 $\pm$ 0.010 χ^2/NDF : 2085483.2/24

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1969.950+/-2427.505 χ^2/NDF : 0.1/1

Left Out: -432.330+/-114.408 χ^2/NDF : 59.4/24

Right Out: -288.063+/-1800.547 χ^2/NDF : 0.5/1

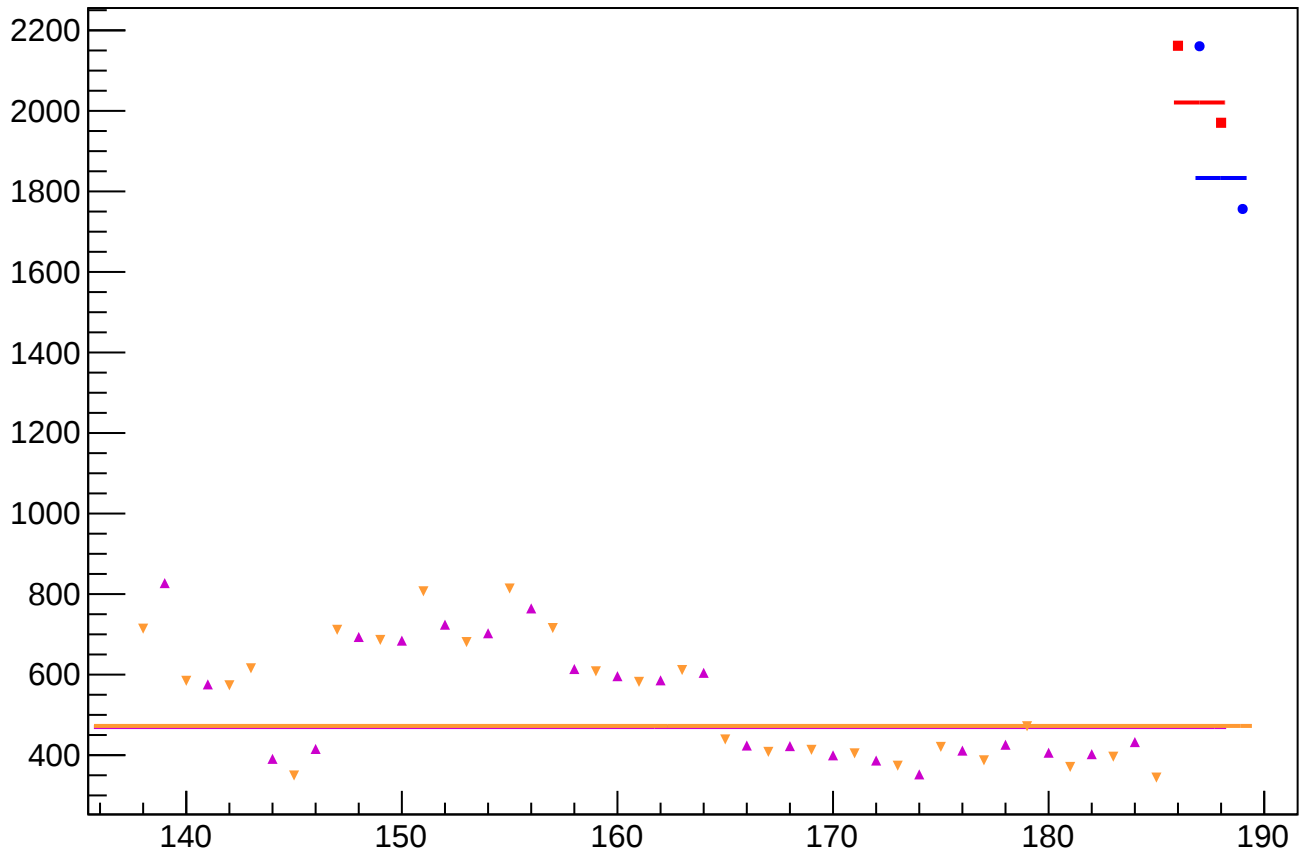
Left In: -1.825+/-116.459 χ^2/NDF : 32.3/22

+ sign -435.738+/-114.281 χ^2/NDF : 59.9/26

All: -223.010+/-81.484 χ^2/NDF : 99.7/51

- sign -3.018+/-116.216 χ^2/NDF : 32.8/24

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1833.326+/-1.717 χ^2/NDF : 8540.4/1

Left Out: 472.569+/-0.081 χ^2/NDF : 2508168.9/24

Right Out: 2020.822+/-1.273 χ^2/NDF : 4376.0/1

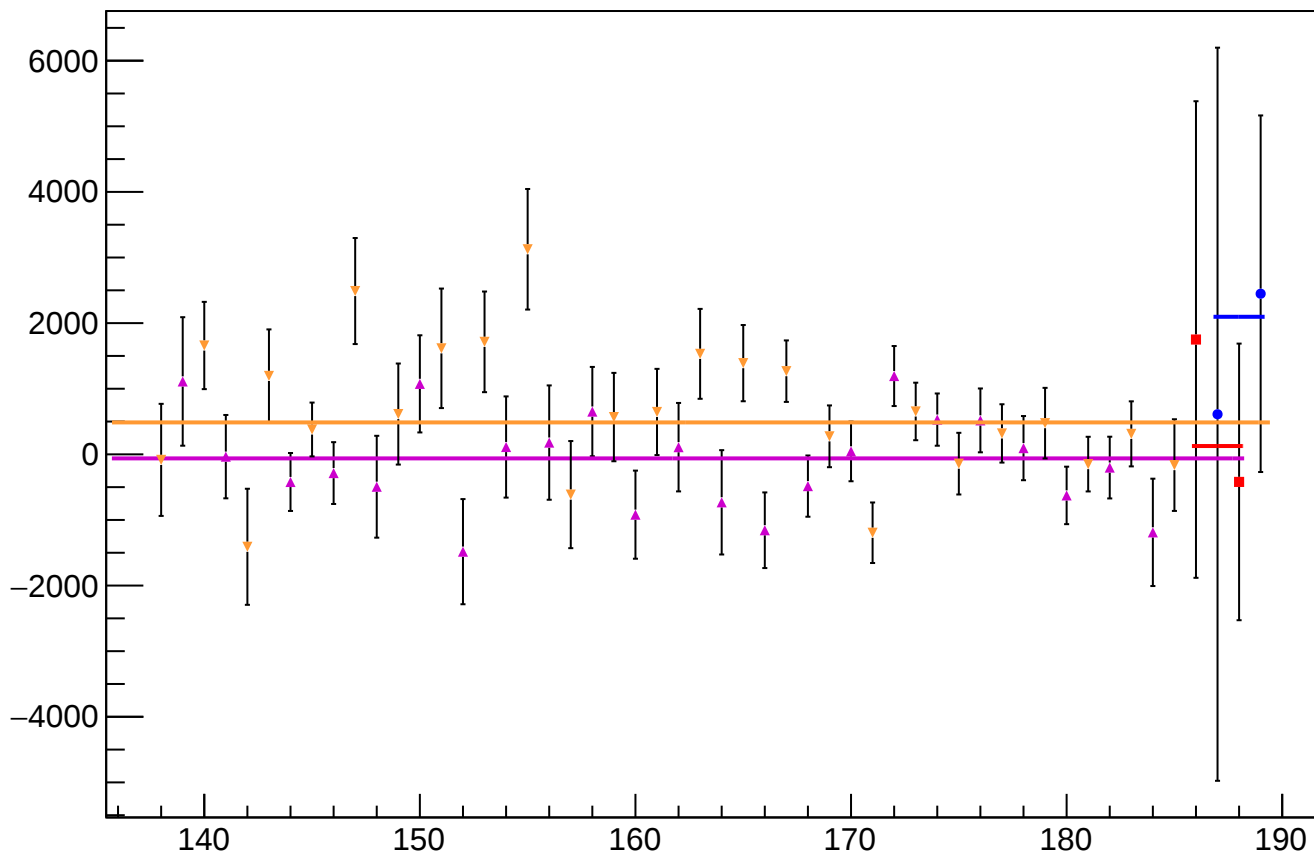
Left In: 469.761+/-0.082 χ^2/NDF : 2116885.7/22

+ sign 475.585+/-0.081 χ^2/NDF : 3143767.0/26

All: 475.899+/-0.058 χ^2/NDF : 6743029.2/51

- sign 476.223+/-0.082 χ^2/NDF : 3599231.5/24

asym_sam_3726_avg_mean vs Slug



Right In: 2096.604 $\pm$ 2443.685 χ^2 /NDF: 0.1/1

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 126.658 $\pm$ 1823.215 χ^2 /NDF: 0.3/1

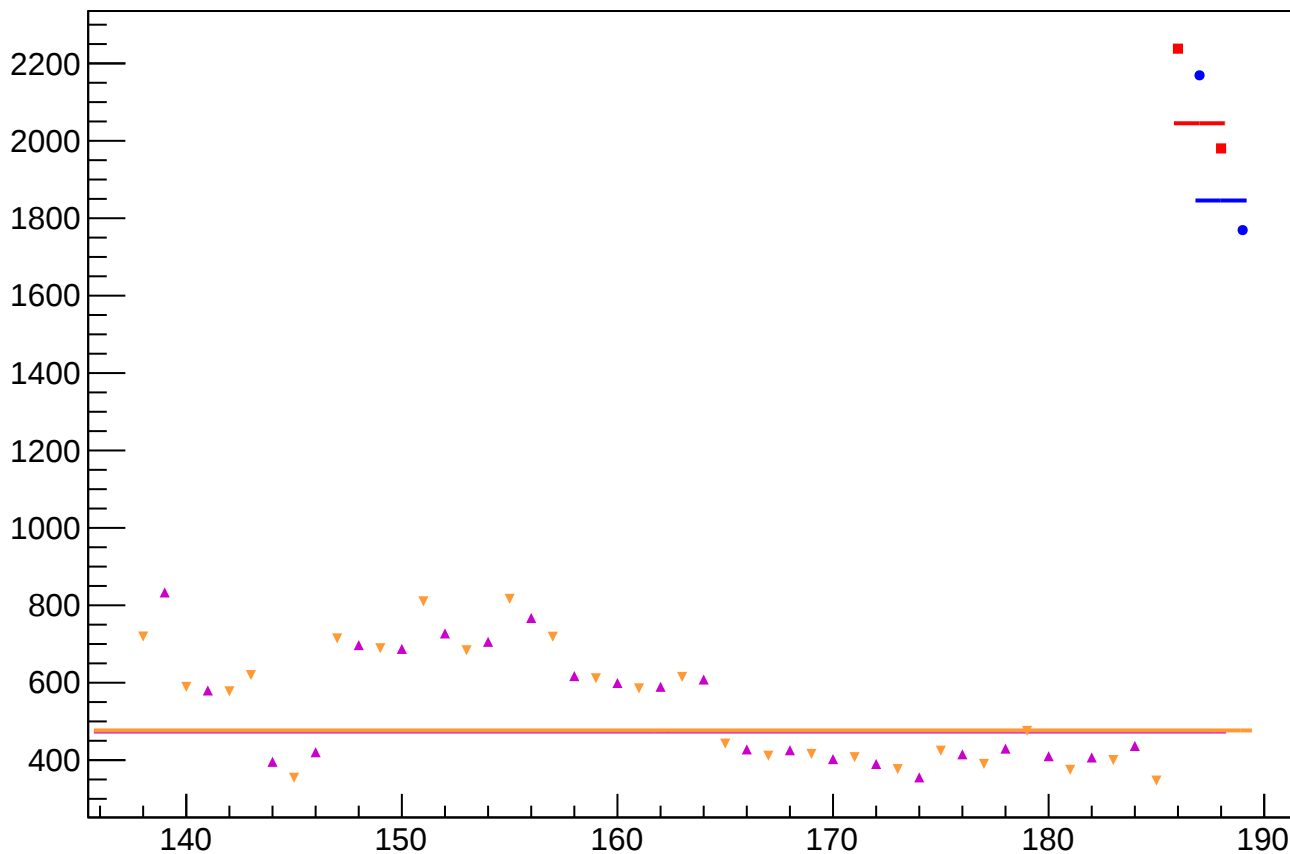
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 490.224 $\pm$ 115.218 χ^2 /NDF: 56.5/26

All: 219.329 $\pm$ 82.165 χ^2 /NDF: 99.2/51

- sign -60.996 $\pm$ 117.206 χ^2 /NDF: 31.4/24

asym_sam_3726_avg_rms vs Slug



Right In: 1845.834+/-1.728 χ^2/NDF : 8285.0/1

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 2045.336+/-1.289 χ^2/NDF : 7530.8/1

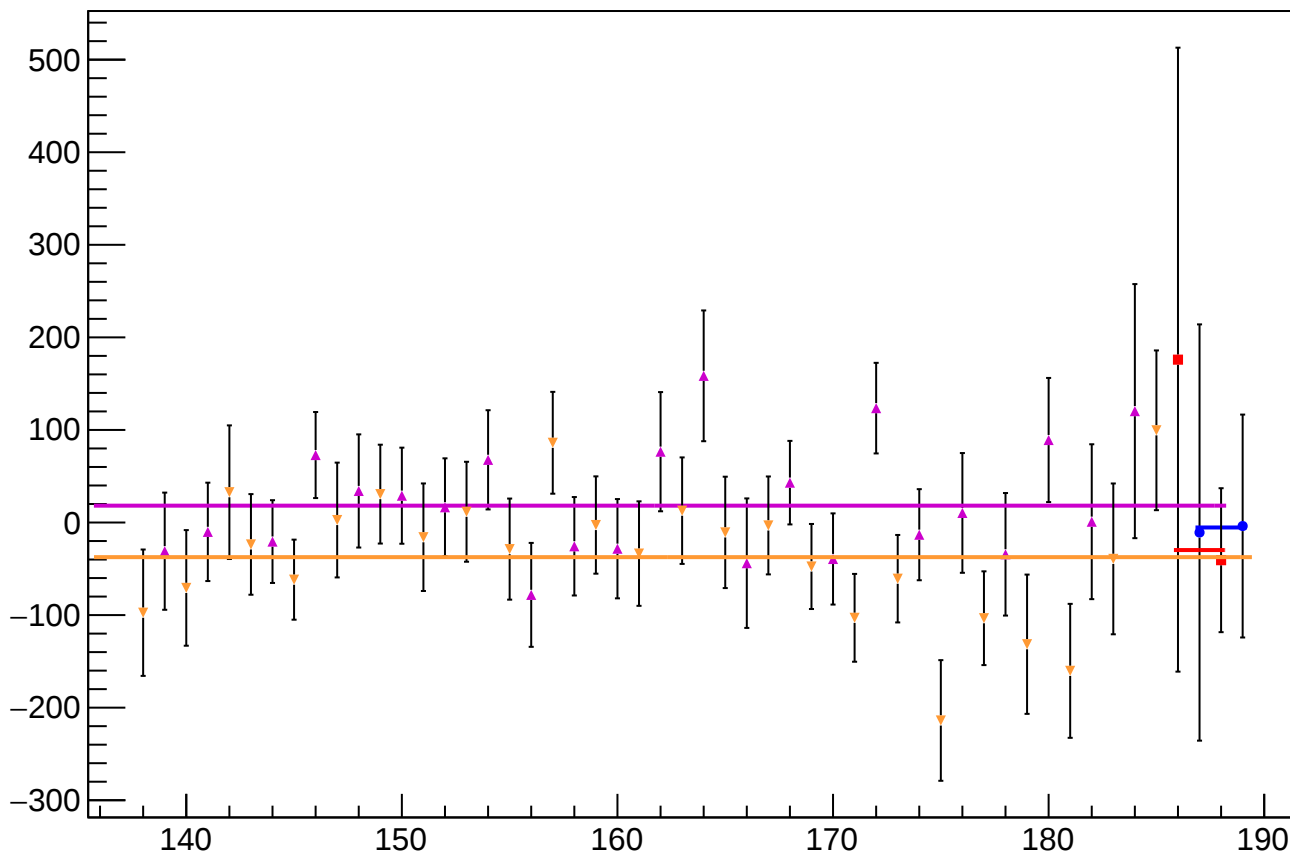
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 479.734+/-0.081 χ^2/NDF : 3107450.9/26

All: 480.099+/-0.058 χ^2/NDF : 6681596.7/51

- sign 480.477+/-0.083 χ^2/NDF : 3574104.8/24

reg_asym_sam_15_48_dd_mean vs Slug



Right In: -5.364 ± 106.140 χ^2/NDF : 0.0/1

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -29.750 ± 75.764 χ^2/NDF : 0.4/1

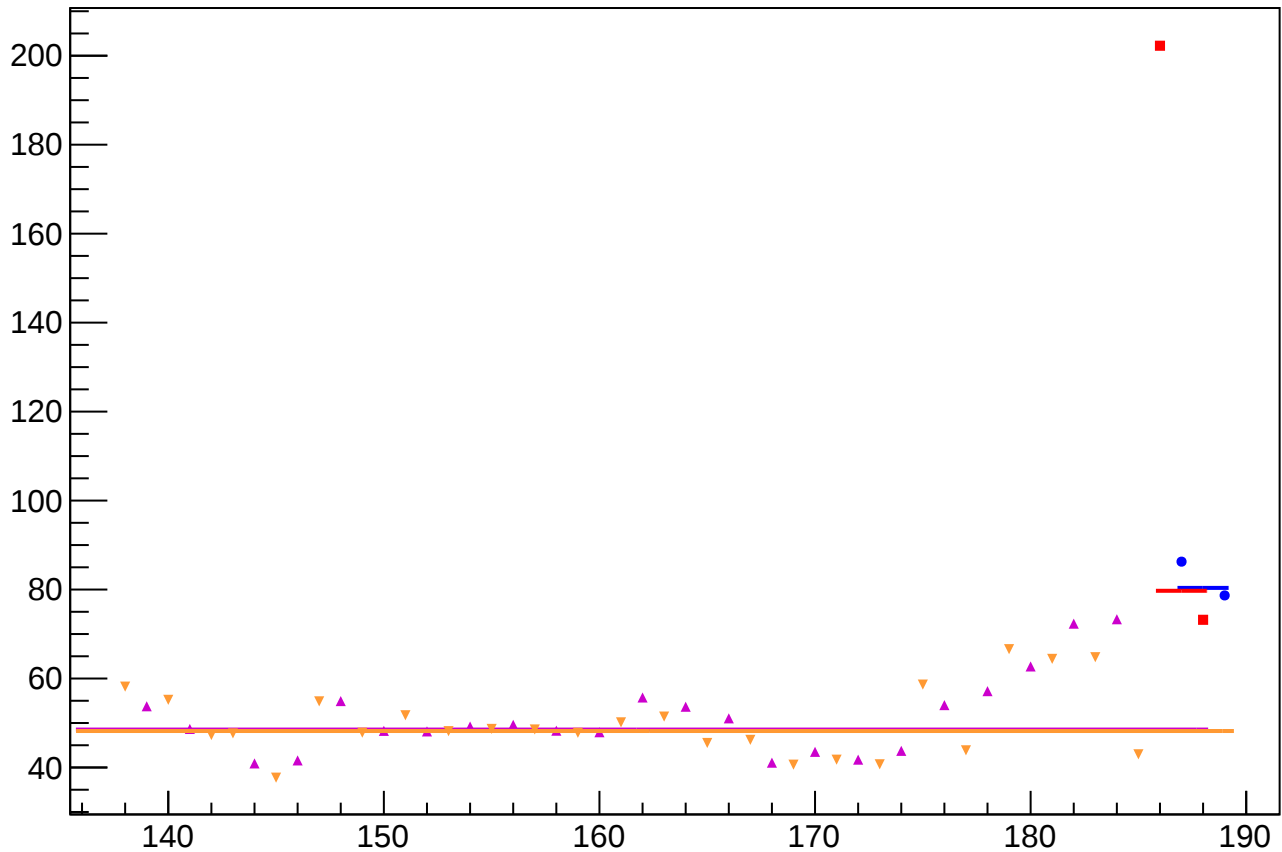
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -37.048 ± 11.325 χ^2/NDF : 30.6/26

All: -10.746 ± 8.120 χ^2/NDF : 65.4/51

- sign 17.077 ± 11.648 χ^2/NDF : 23.8/24

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 80.371 $\pm$ 0.075 χ^2 /NDF: 1771.6/1

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 79.722 $\pm$ 0.054 χ^2 /NDF: 278392.9/1

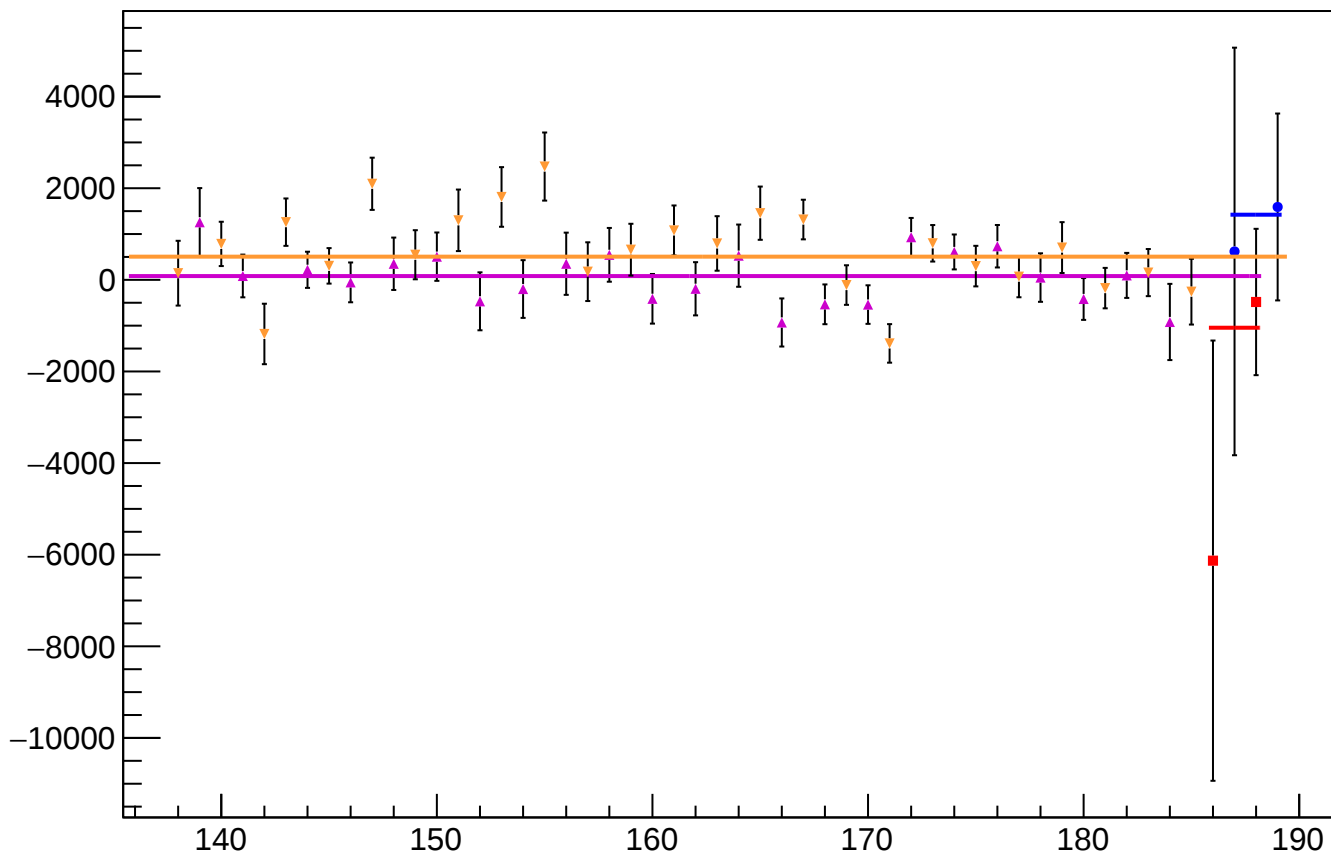
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 48.566 $\pm$ 0.008 χ^2 /NDF: 933619.9/26

All: 48.905 $\pm$ 0.006 χ^2 /NDF: 2222098.0/51

- sign 49.264 $\pm$ 0.008 χ^2 /NDF: 1284784.4/24

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1422.107+/-1854.221 χ^2/NDF : 0.0/1

Left Out: 506.205+/-103.468 χ^2/NDF : 65.7/24

Right Out: -1045.353+/-1515.813 χ^2/NDF : 1.2/1

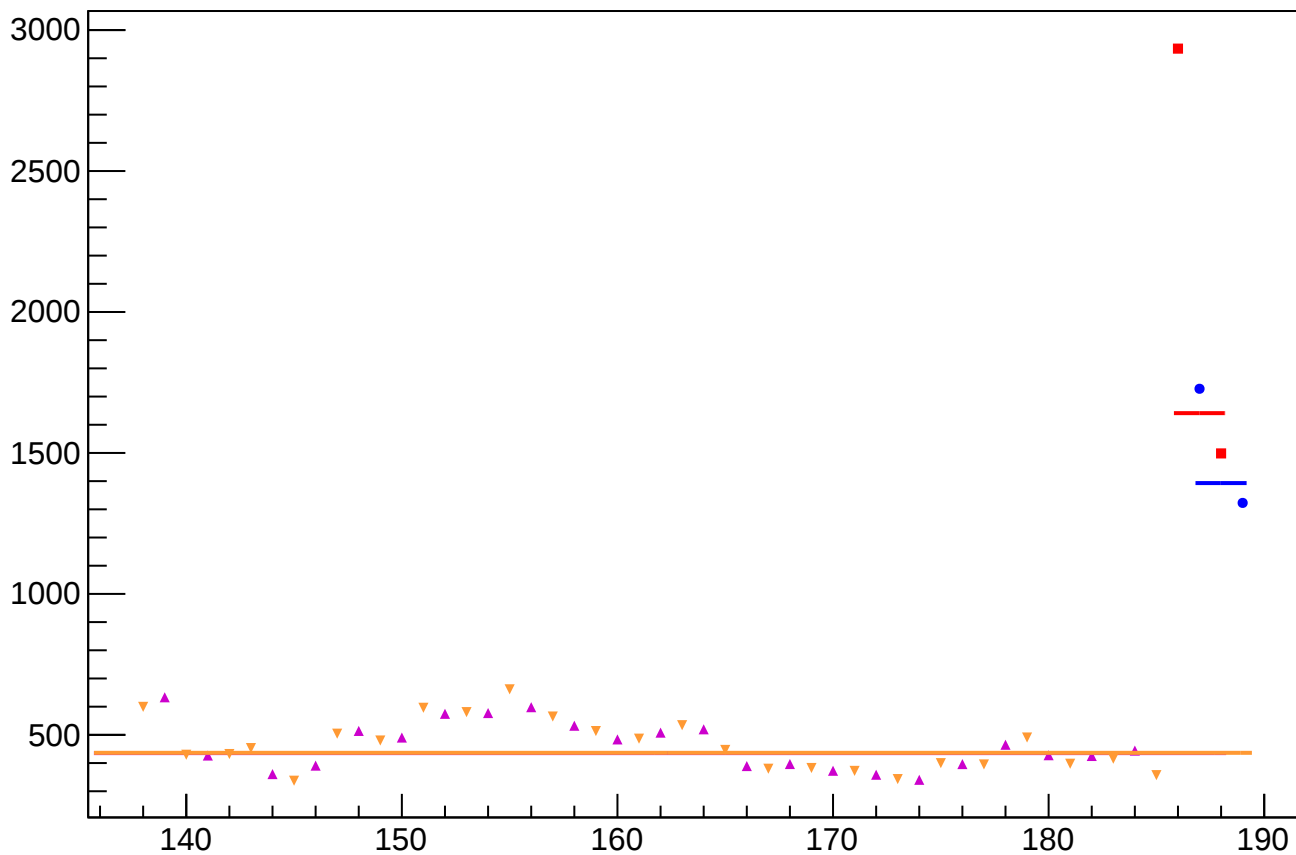
Left In: 82.421+/-105.935 χ^2/NDF : 25.3/22

+ sign 509.048+/-103.307 χ^2/NDF : 66.0/26

All: 297.894+/-73.873 χ^2/NDF : 101.7/51

- sign 76.939+/-105.677 χ^2/NDF : 27.1/24

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1393.128+/-1.311 χ^2 /NDF: 13686.1/1

Left Out: 436.301+/-0.073 χ^2 /NDF:1179348.4/24

Right Out: 1641.193+/-1.072 χ^2 /NDF: 160797.8/1

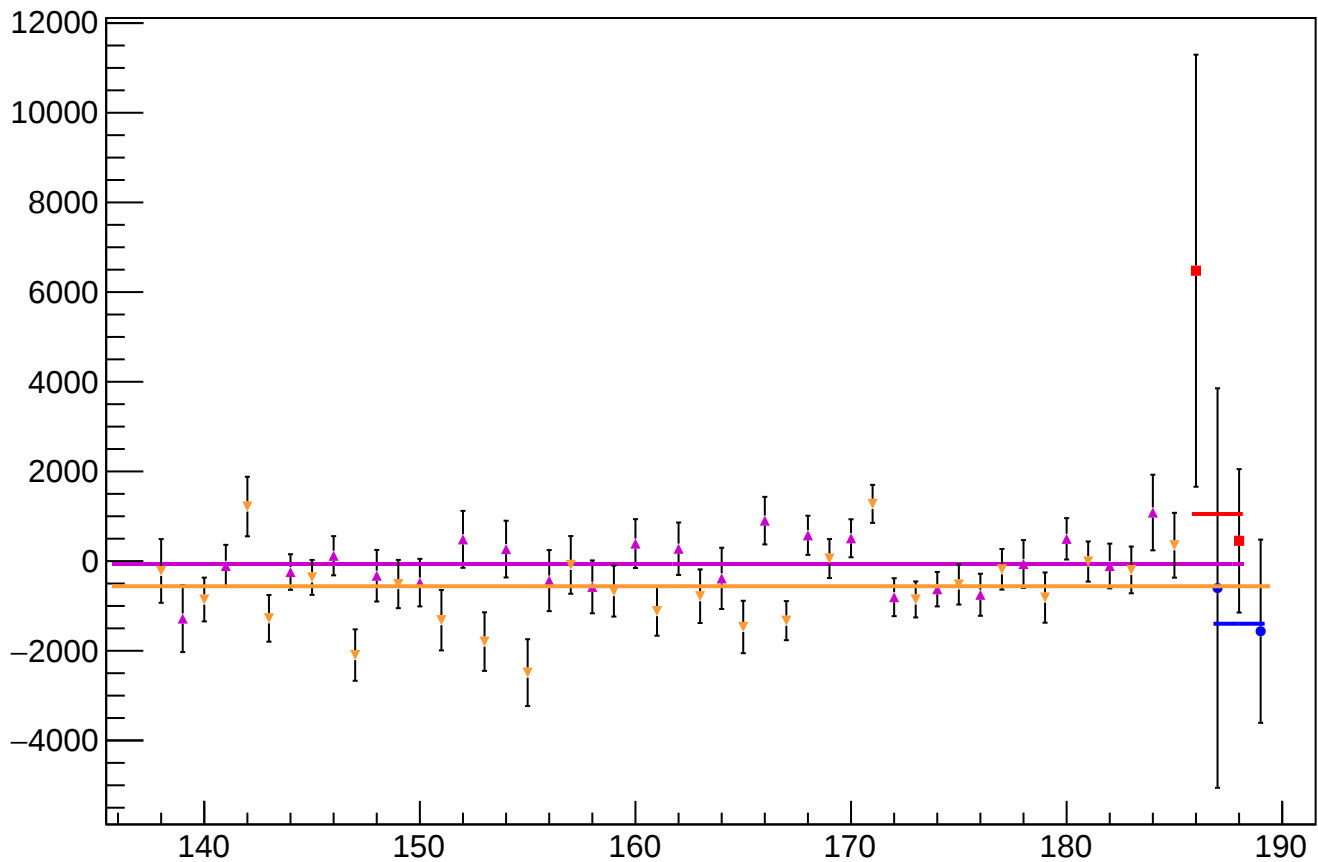
Left In: 435.275+/-0.075 χ^2 /NDF:1027713.1/22

+ sign 439.272+/-0.073 χ^2 /NDF: 1723946.9/26

All: 440.183+/-0.052 χ^2 /NDF: 4172450.6/51

- sign 441.136+/-0.075 χ^2 /NDF: 2448185.3/24

asym_sam_15_48_dd_mean vs Slug



Right In: -1396.554 ± 1857.539 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -560.684 ± 104.207 $\chi^2/\text{NDF}: 61.8/24$

Right Out: 1050.335 ± 1517.955 $\chi^2/\text{NDF}: 1.4/1$

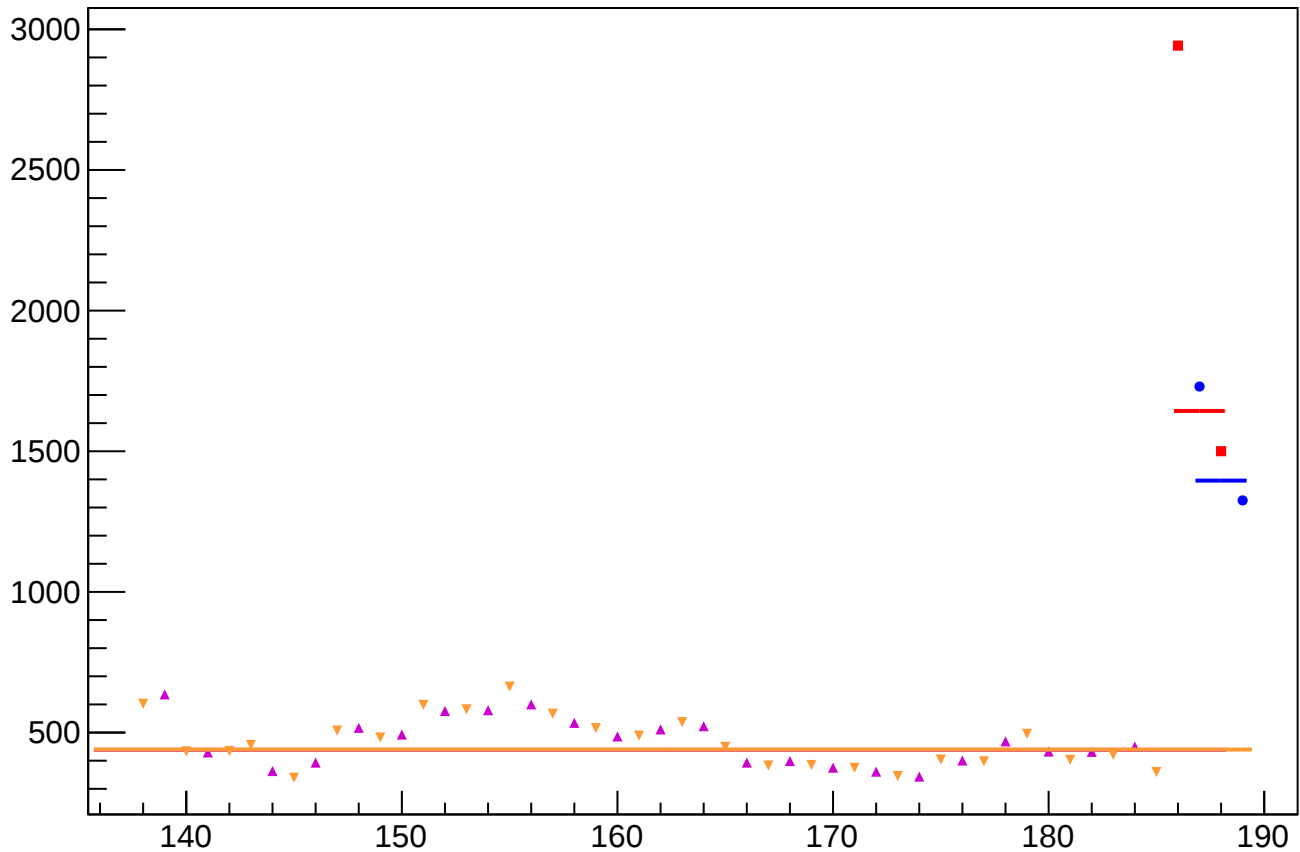
Left In: -64.594 ± 106.708 $\chi^2/\text{NDF}: 25.2/22$

+ sign -563.306 ± 104.044 $\chi^2/\text{NDF}: 62.0/26$

All: -316.960 ± 74.404 $\chi^2/\text{NDF}: 100.6/51$

- sign -59.112 ± 106.445 $\chi^2/\text{NDF}: 27.1/24$

asym_sam_15_48_dd_rms vs Slug



Right In: 1395.693+/-1.313 χ^2/NDF : 13641.1/1

Left Out: 439.527+/-0.074 χ^2/NDF :1163352.8/24

Right Out: 1643.344+/-1.073 χ^2/NDF : 161280.4/1

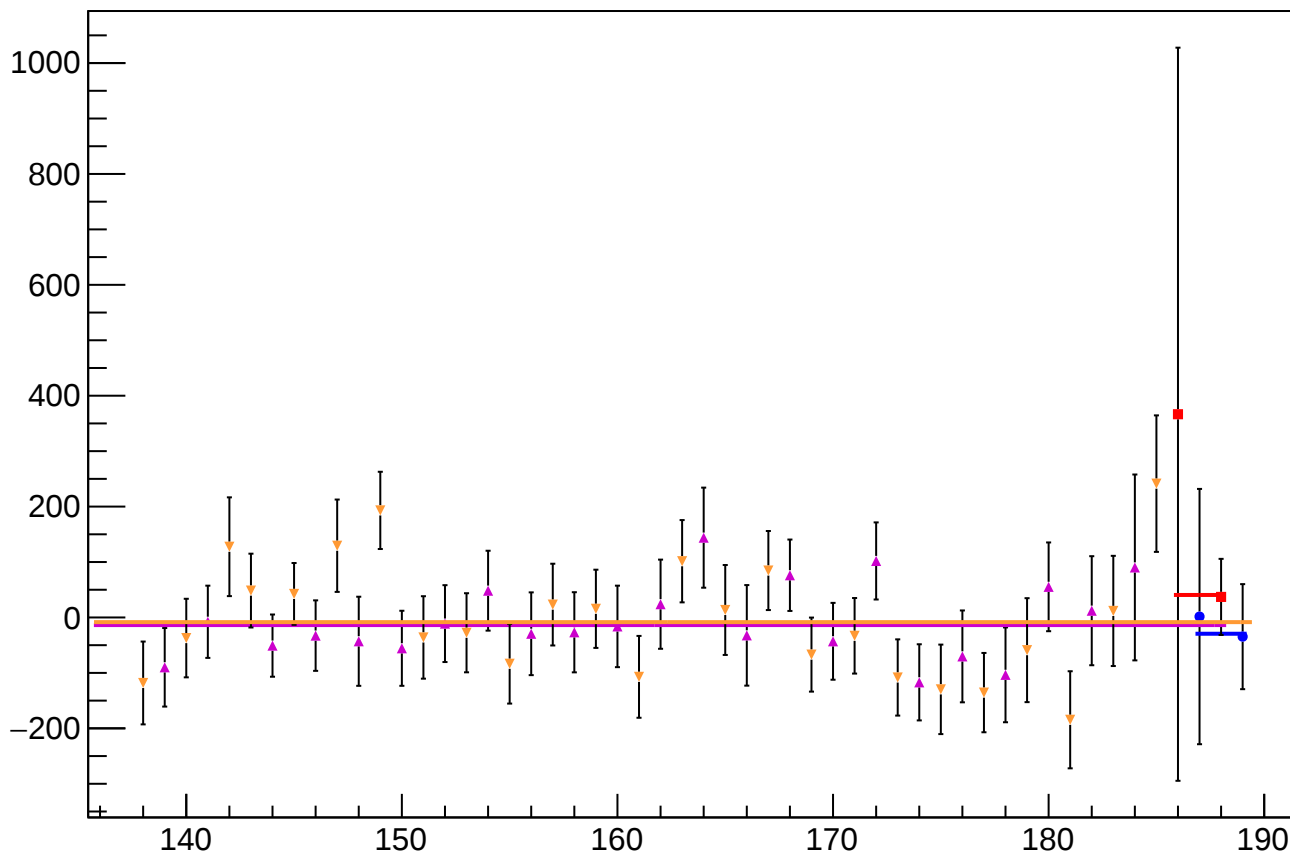
Left In: 438.548+/-0.075 χ^2/NDF :1013071.4/22

+ sign 442.527+/-0.074 χ^2/NDF : 1705264.2/26

All: 443.477+/-0.053 χ^2/NDF : 4133673.8/51

- sign 444.472+/-0.075 χ^2/NDF : 2428068.0/24

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -29.367 ± 87.608 χ^2/NDF : 0.0/1

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 40.575 ± 68.285 χ^2/NDF : 0.2/1

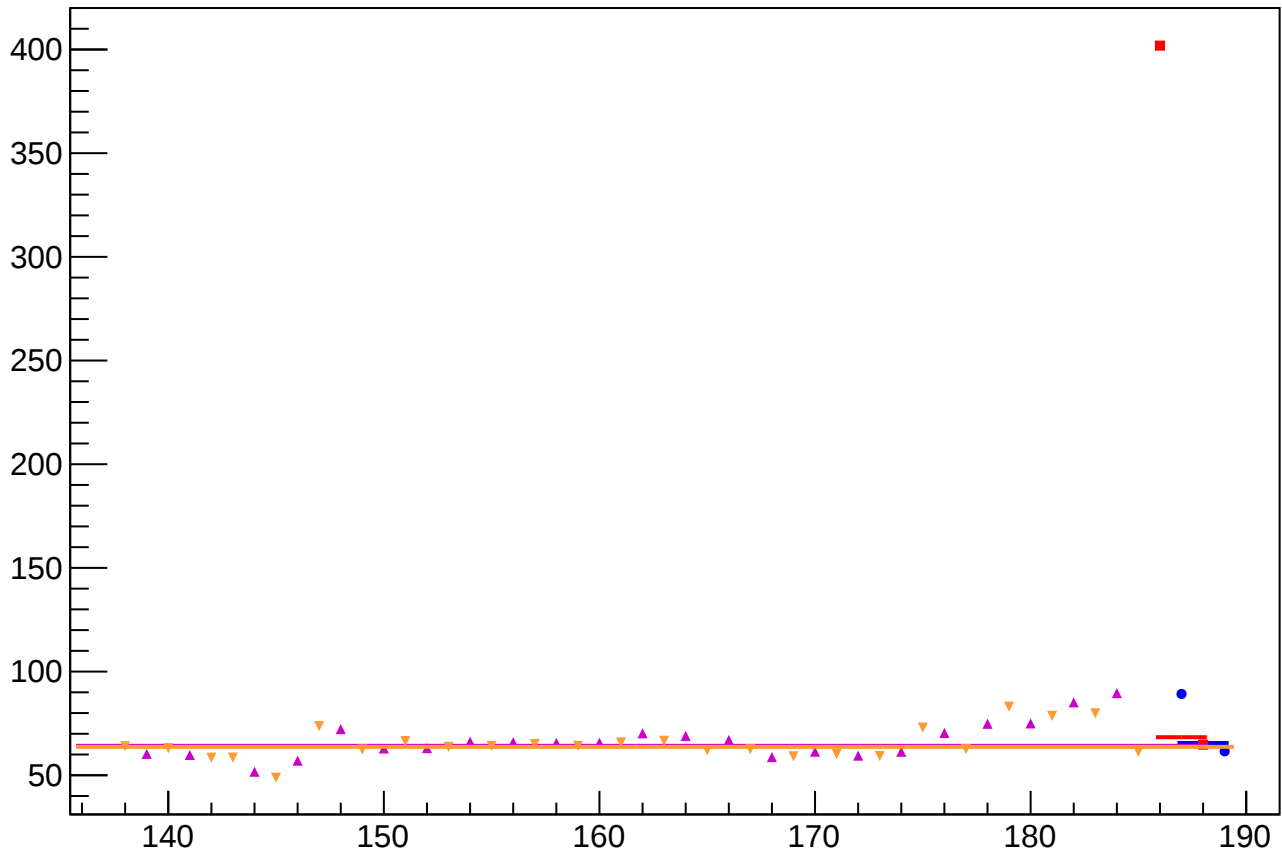
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -9.008 ± 14.722 χ^2/NDF : 41.7/26

All: -10.013 ± 10.540 χ^2/NDF : 58.8/51

- sign -11.070 ± 15.095 χ^2/NDF : 17.1/24

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 65.550 $\pm$ 0.062 χ^2 /NDF: 24699.6/1

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 68.347 $\pm$ 0.048 χ^2 /NDF: 514341.7/1

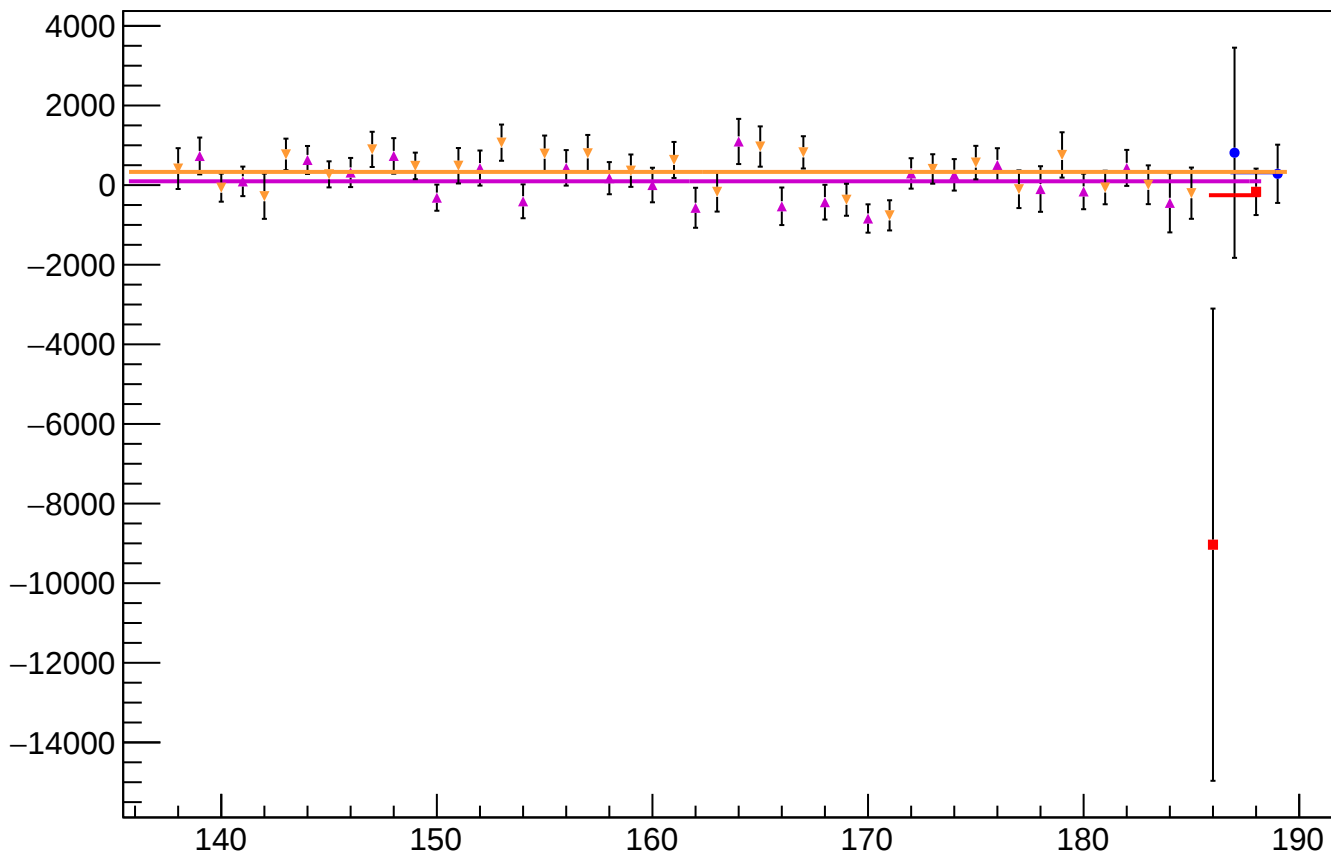
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.748 $\pm$ 0.010 χ^2 /NDF: 474009.5/26

All: 64.062 $\pm$ 0.007 χ^2 /NDF: 1426941.5/51

- sign 64.392 $\pm$ 0.011 χ^2 /NDF: 951066.4/24

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 321.745 $\pm$ 705.164 χ^2 /NDF: 0.0/1

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF:29.9/24

Right Out: -253.673 $\pm$ 580.451 χ^2 /NDF: 2.2/1

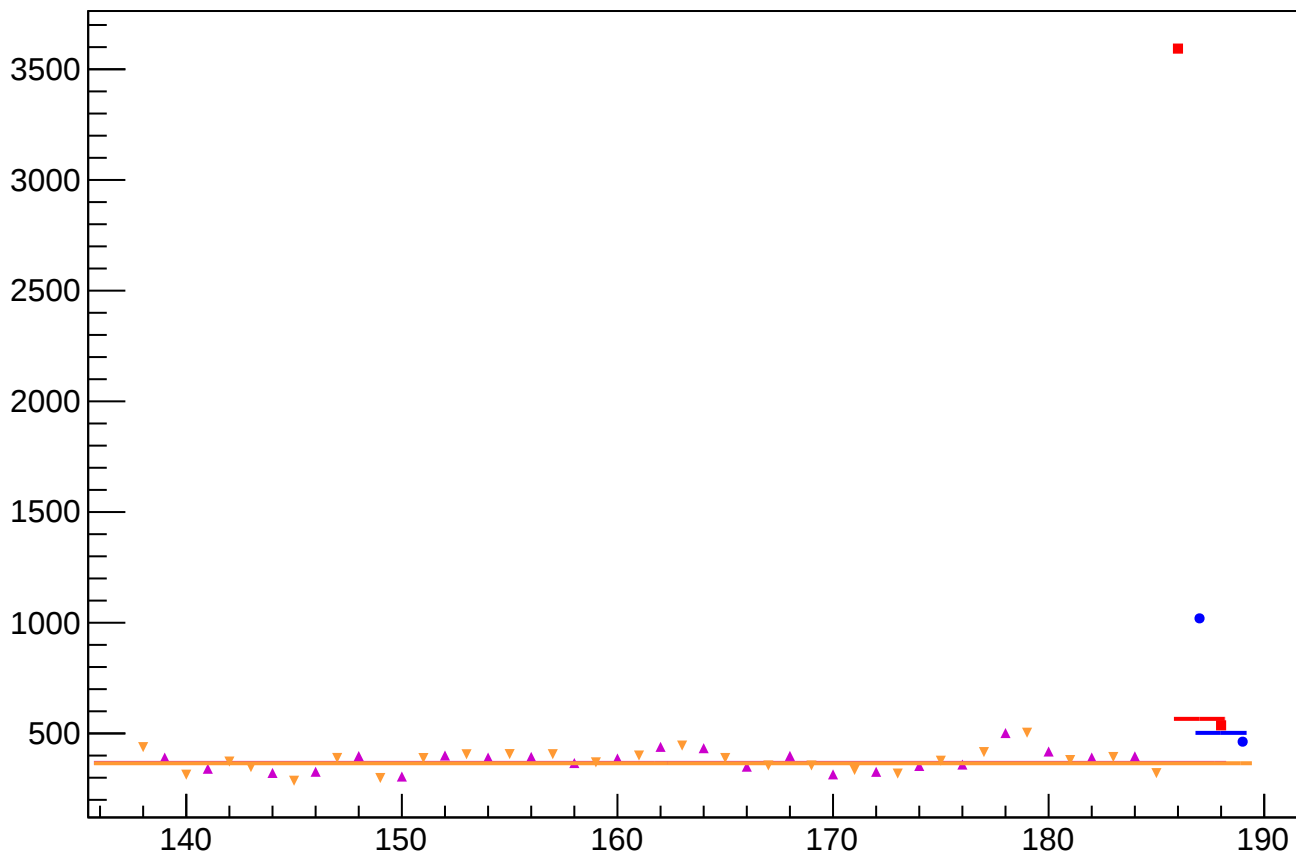
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF:28.7/22

+ sign 331.592 $\pm$ 85.437 χ^2 /NDF: 29.9/26

All: 212.867 $\pm$ 61.177 χ^2 /NDF: 65.1/51

- sign 87.940 $\pm$ 87.640 χ^2 /NDF: 31.3/24

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 502.521+/-0.499 χ^2/NDF : 82687.1/1

Left Out: 365.355+/-0.061 χ^2/NDF : 618453.7/24

Right Out: 565.843+/-0.410 χ^2/NDF : 526106.1/1

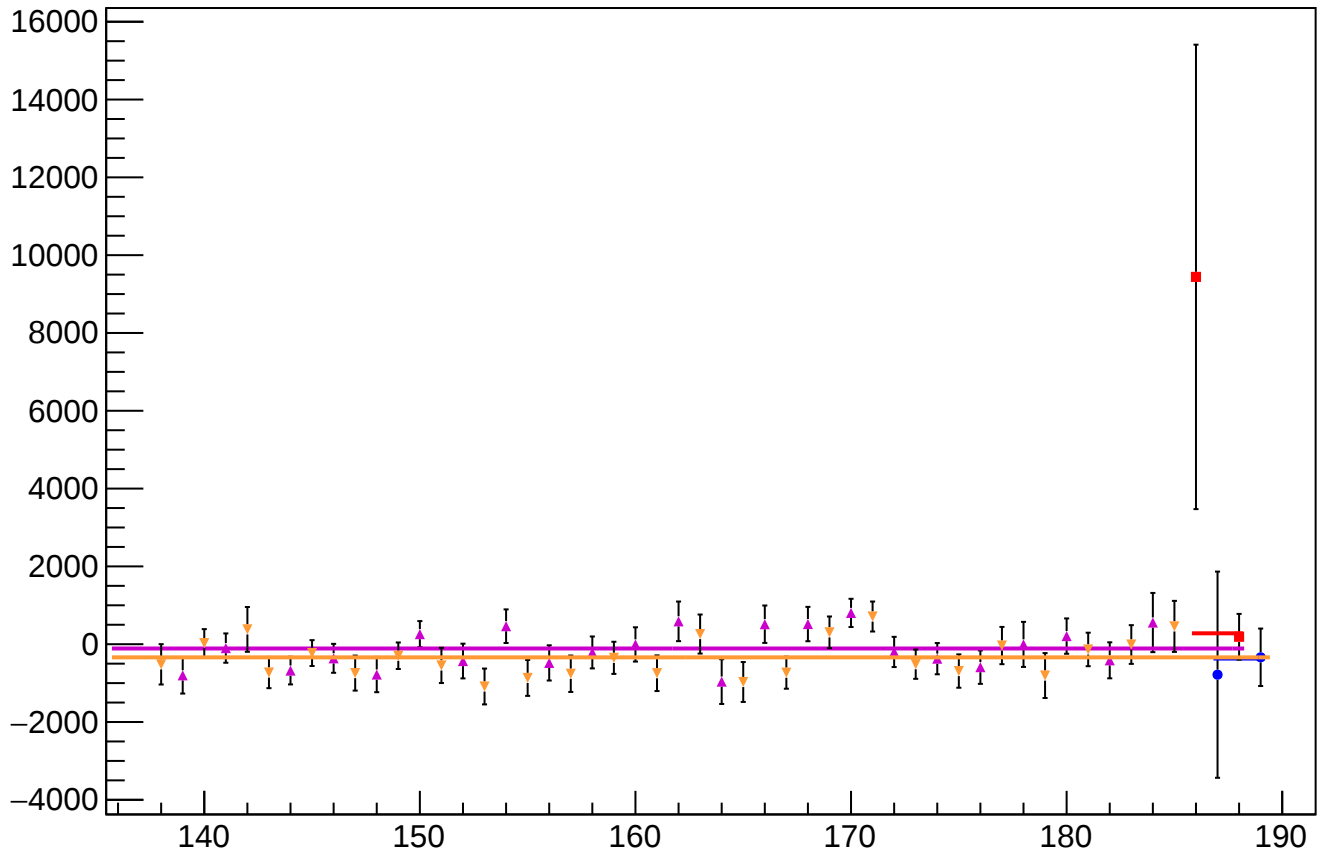
Left In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

+ sign 367.369+/-0.060 χ^2/NDF : 775702.7/26

All: 369.362+/-0.043 χ^2/NDF : 2011651.0/51

- sign 371.459+/-0.062 χ^2/NDF : 1233714.3/24

asym_sam_37_48_dd_mean vs Slug



Right In: -368.775+/-711.398 χ^2/NDF : 0.0/1

Left Out: -338.528+/-87.450 χ^2/NDF : 28.2/24

Right Out: 279.989+/-585.089 χ^2/NDF : 2.4/1

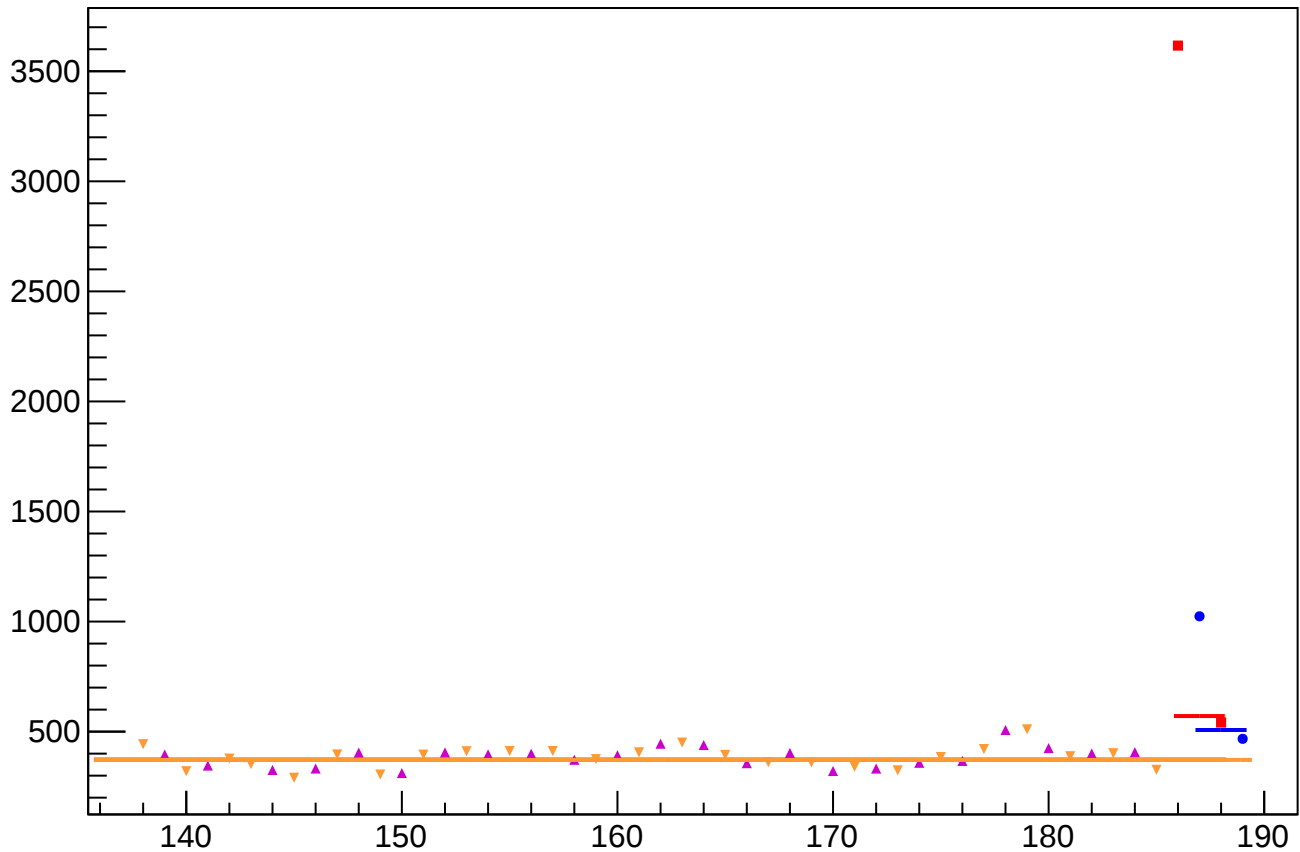
Left In: -110.341+/-90.084 χ^2/NDF : 29.2/22

+ sign -338.978+/-86.797 χ^2/NDF : 28.2/26

All: -223.164+/-62.151 χ^2/NDF : 63.9/51

- sign -101.302+/-89.035 χ^2/NDF : 32.0/24

asym_sam_37_48_dd_rms vs Slug



Right In: 507.362 $\pm$ 0.503 χ^2 /NDF: 81851.1/1

Left Out: 371.356 $\pm$ 0.062 χ^2 /NDF: 604070.6/24

Right Out: 570.750 $\pm$ 0.414 χ^2 /NDF: 525780.5/1

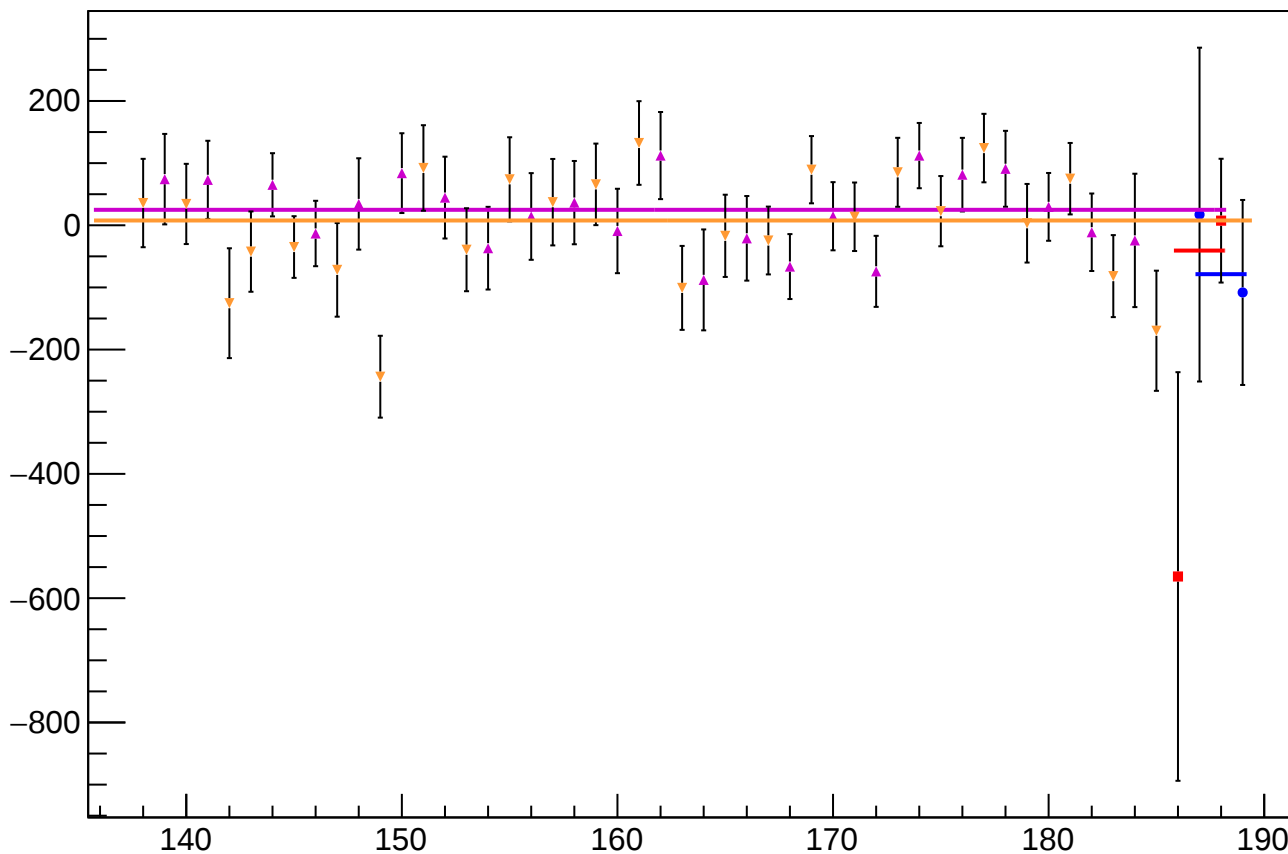
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

+ sign 373.380 $\pm$ 0.061 χ^2 /NDF: 757934.0/26

All: 375.397 $\pm$ 0.044 χ^2 /NDF: 1976584.0/51

- sign 377.518 $\pm$ 0.063 χ^2 /NDF: 1216435.0/24

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -78.659 ± 130.183 χ^2/NDF : 0.2/1

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -40.693 ± 95.307 χ^2/NDF : 2.8/1

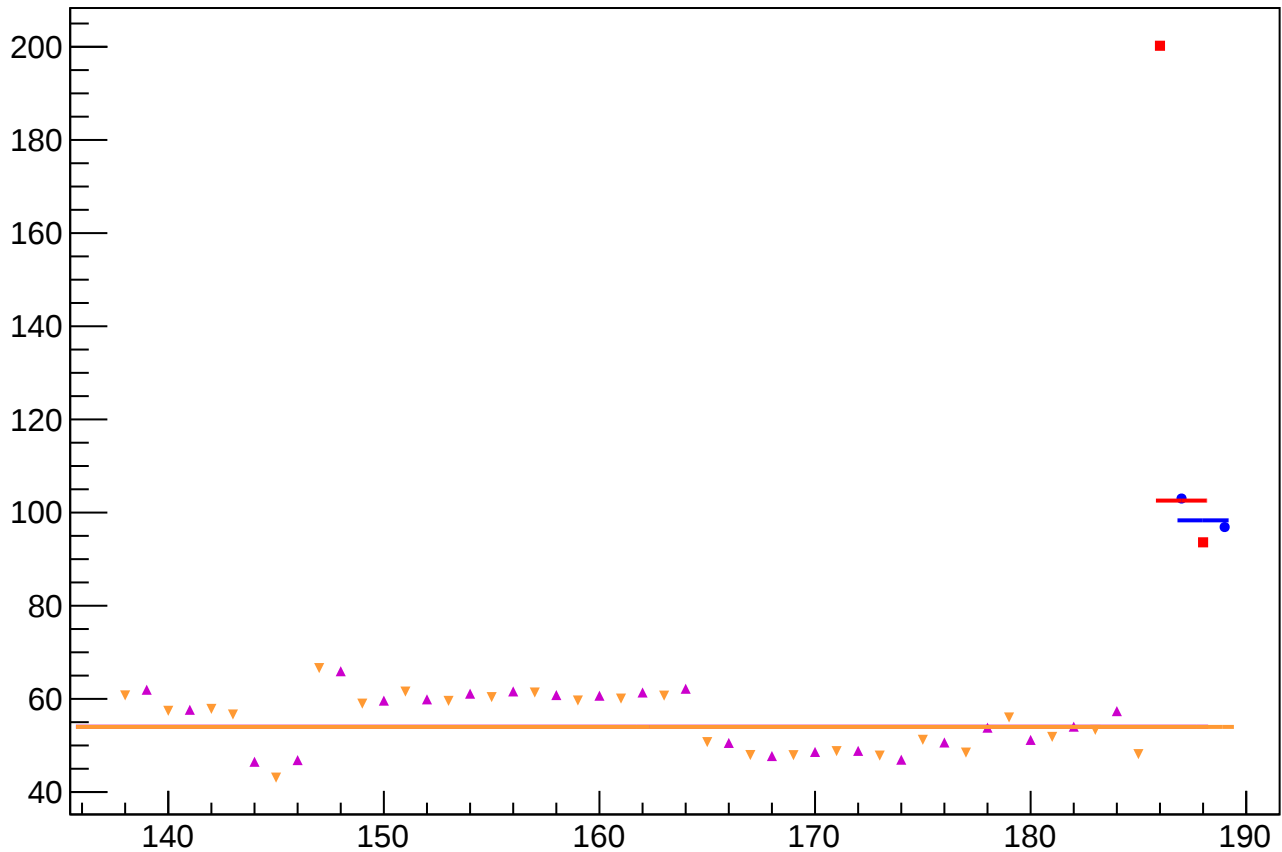
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 6.915 ± 12.596 χ^2/NDF : 46.0/26

All: 15.094 ± 9.015 χ^2/NDF : 69.9/51

- sign 23.684 ± 12.909 χ^2/NDF : 23.0/24

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 98.331 $\pm$ 0.092 χ^2 /NDF: 795.0/1

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 102.574 $\pm$ 0.067 χ^2 /NDF: 192666.8/1

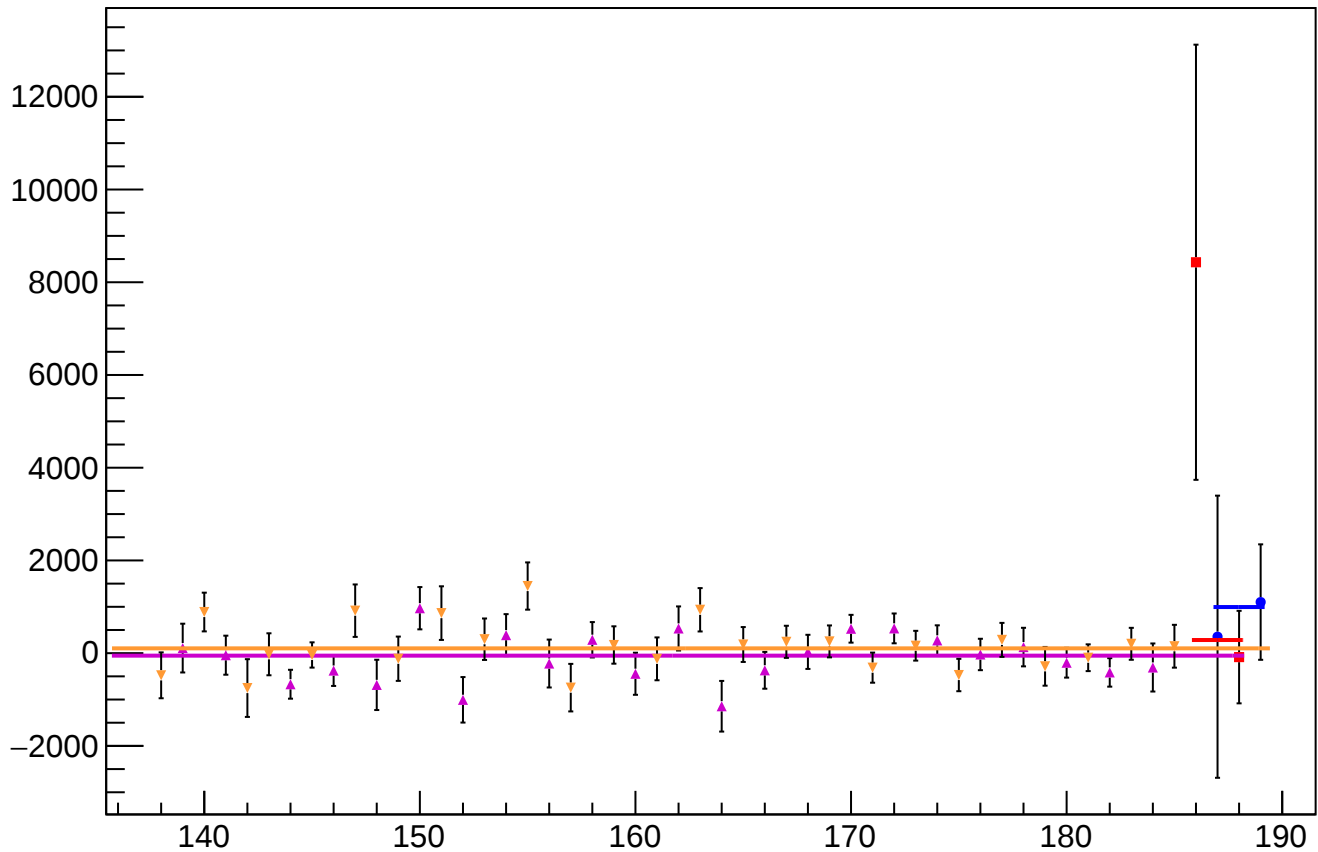
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 54.399 $\pm$ 0.009 χ^2 /NDF: 689685.0/26

All: 54.652 $\pm$ 0.006 χ^2 /NDF: 1837229.5/51

- sign 54.918 $\pm$ 0.009 χ^2 /NDF: 1145885.9/24

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 994.901 ± 1152.369 χ^2/NDF : 0.1/1

Left Out: 103.768 ± 79.344 χ^2/NDF : 31.0/24

Right Out: 283.602 ± 975.857 χ^2/NDF : 3.2/1

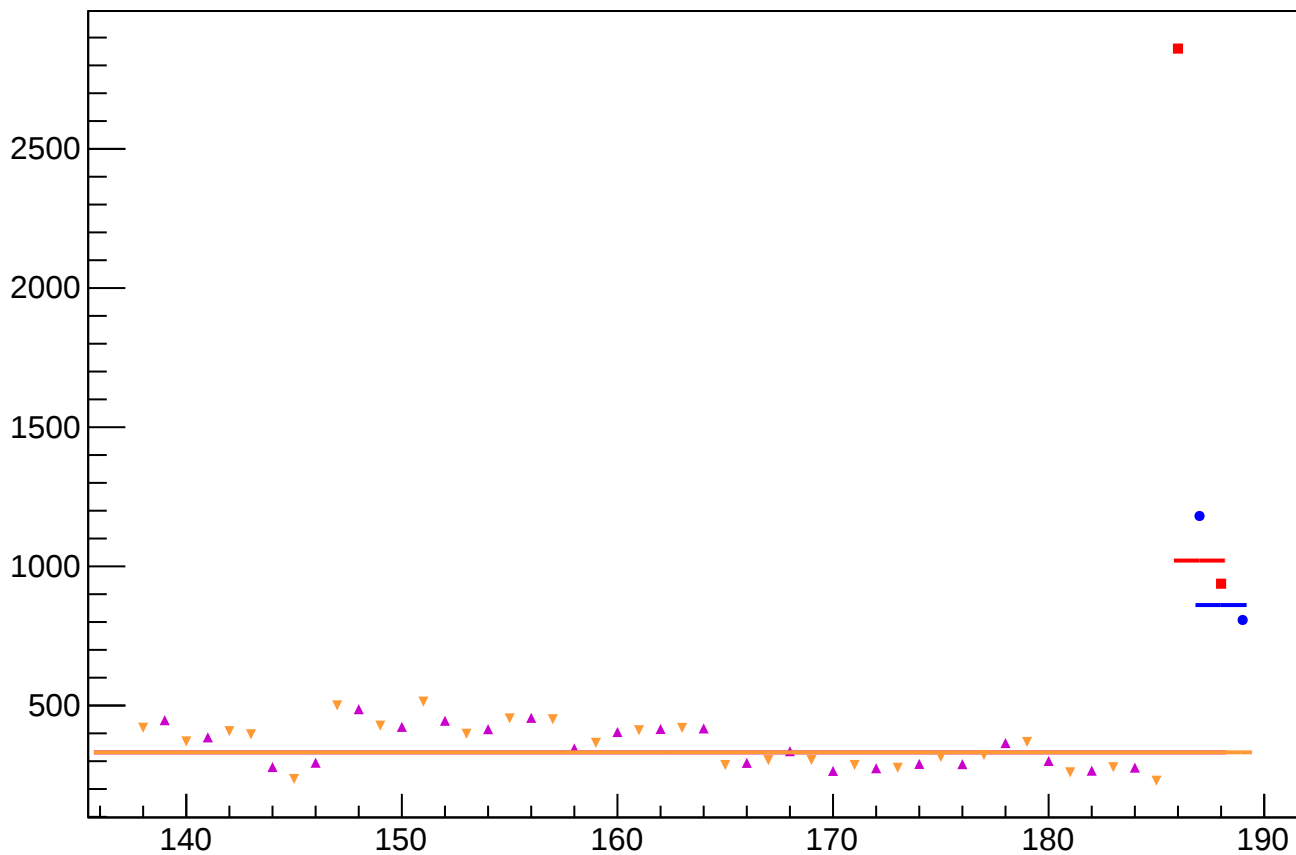
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 107.972 ± 79.157 χ^2/NDF : 31.6/26

All: 30.153 ± 56.586 χ^2/NDF : 71.0/51

- sign -51.175 ± 80.921 χ^2/NDF : 37.4/24

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 860.959 $\pm$ 0.815 χ^2 /NDF: 25838.1/1

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 1020.834 $\pm$ 0.690 χ^2 /NDF: 321211.8/1

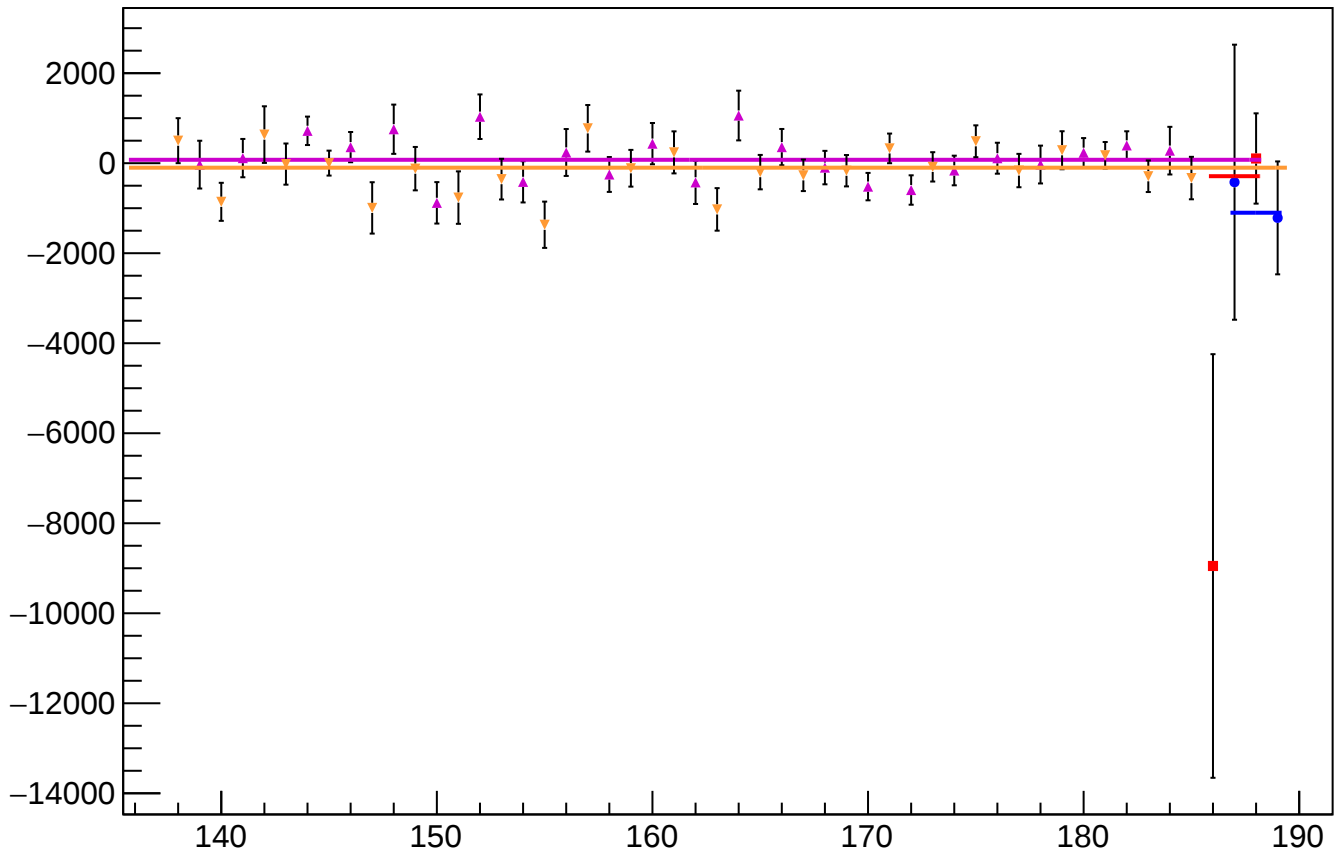
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 334.267 $\pm$ 0.056 χ^2 /NDF: 2157332.9/26

All: 335.312 $\pm$ 0.040 χ^2 /NDF: 4773079.5/51

- sign 336.405 $\pm$ 0.057 χ^2 /NDF: 2615033.6/24

asym_sam_15_26_dd_mean vs Slug



Right In: -1100.655 ± 1160.505 χ^2/NDF : 0.1/1

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -288.745 ± 981.014 χ^2/NDF : 3.5/1

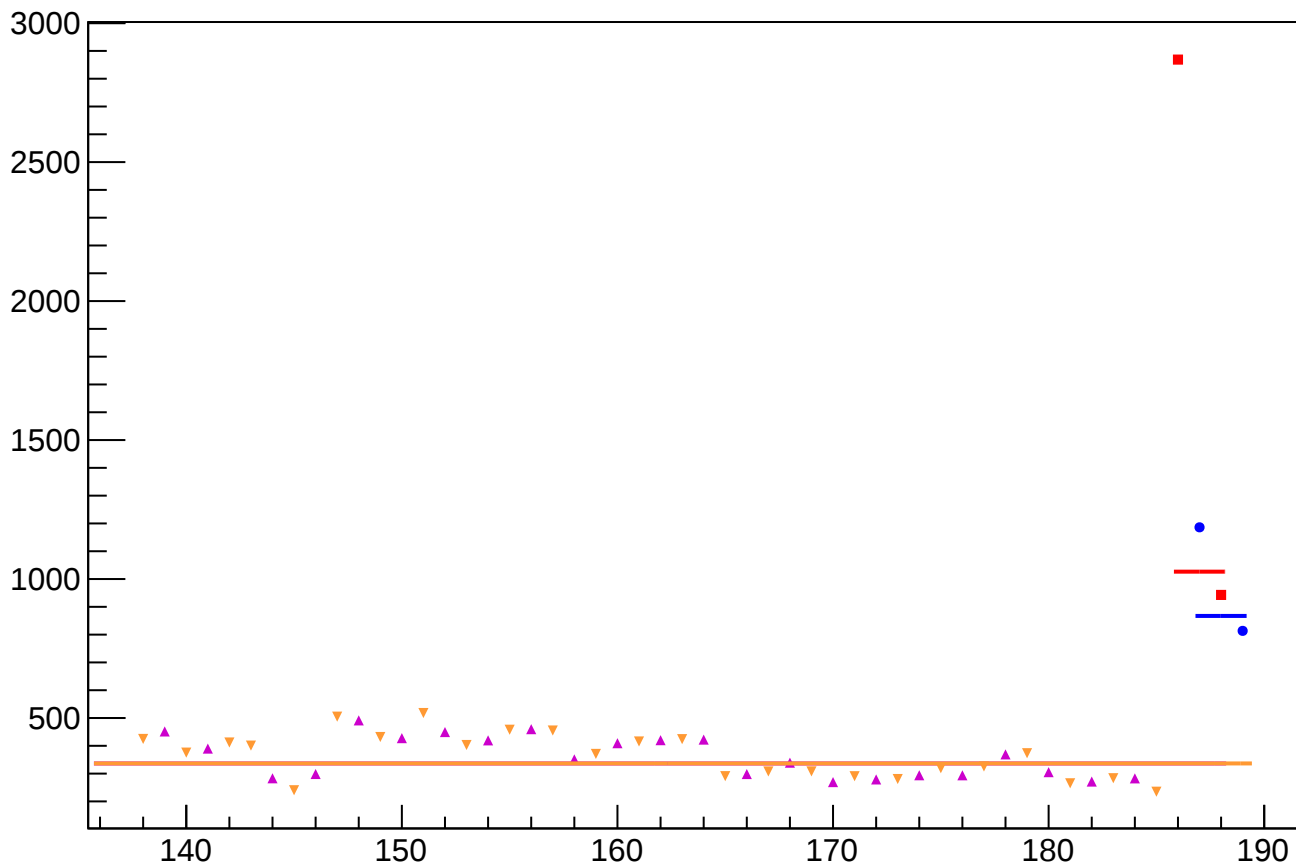
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -104.569 ± 80.235 χ^2/NDF : 31.5/26

All: -17.733 ± 57.359 χ^2/NDF : 69.6/51

- sign 73.032 ± 82.030 χ^2/NDF : 35.8/24

asym_sam_15_26_dd_rms vs Slug



Right In: 867.257 $\pm$ 0.821 χ^2 /NDF: 25434.4/1

Left Out: 336.557 $\pm$ 0.057 χ^2 /NDF:1665919.4/24

Right Out: 1026.530 $\pm$ 0.694 χ^2 /NDF: 320389.0/1

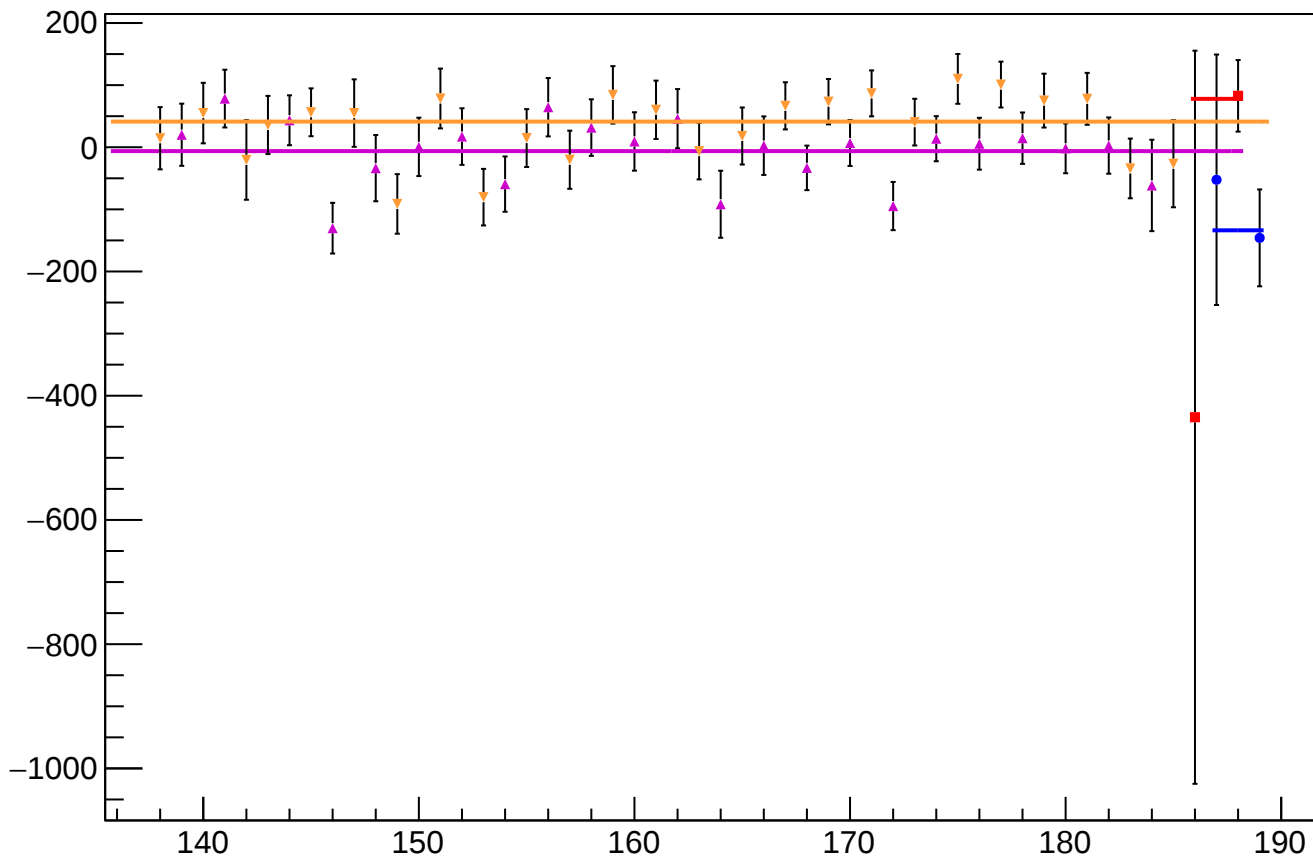
Left In: 336.439 $\pm$ 0.058 χ^2 /NDF:1269066.3/22

+ sign 339.094 $\pm$ 0.057 χ^2 /NDF: 2107601.1/26

All: 340.155 $\pm$ 0.041 χ^2 /NDF: 4680525.8/51

- sign 341.265 $\pm$ 0.058 χ^2 /NDF: 2572209.3/24

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -133.739 ± 72.724 χ^2/NDF : 0.2/1

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: 77.893 ± 57.344 χ^2/NDF : 0.8/1

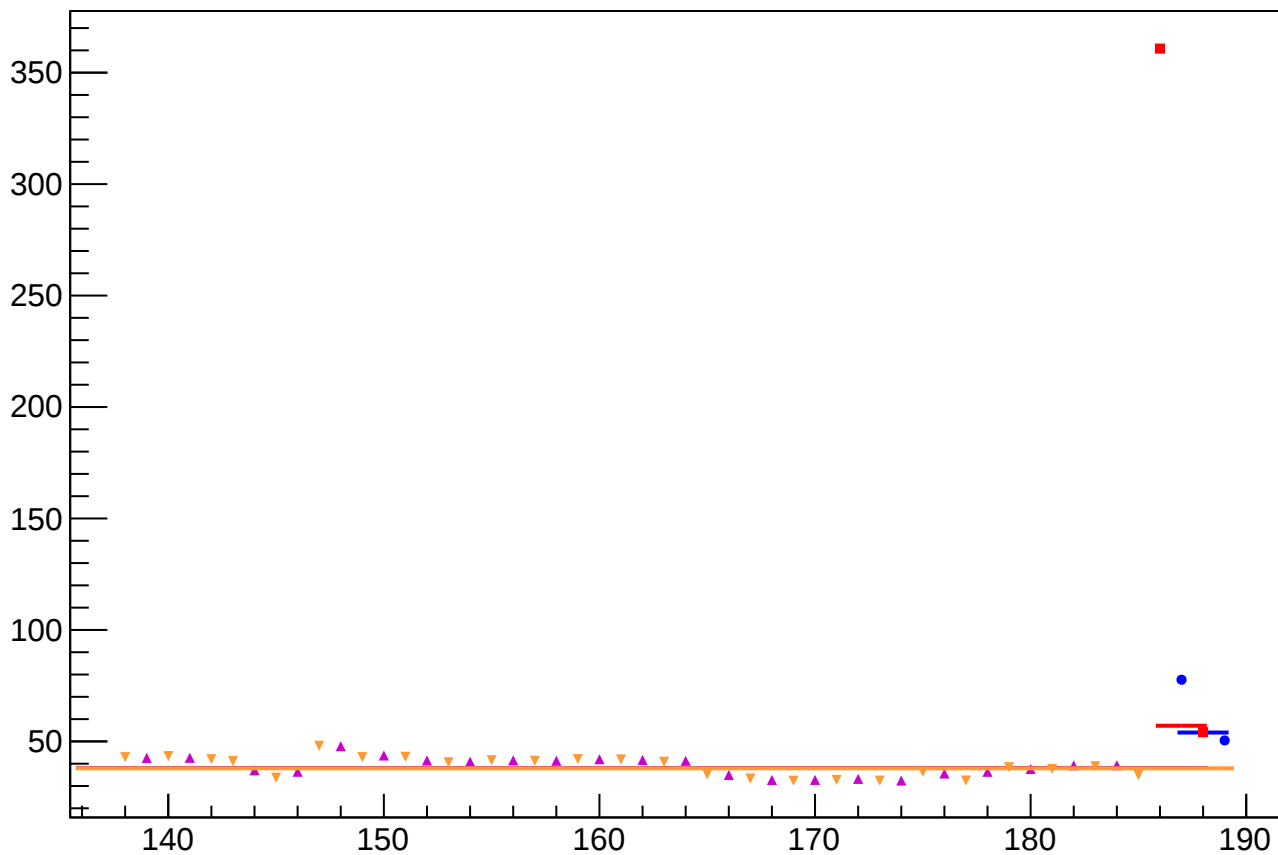
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 38.707 ± 8.824 χ^2/NDF : 40.3/26

All: 17.842 ± 6.321 χ^2/NDF : 84.9/51

- sign -4.154 ± 9.059 χ^2/NDF : 33.1/24

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 53.976 $\pm$ 0.051 χ^2 /NDF: 31724.0/1

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 57.034 $\pm$ 0.041 χ^2 /NDF: 534956.7/1

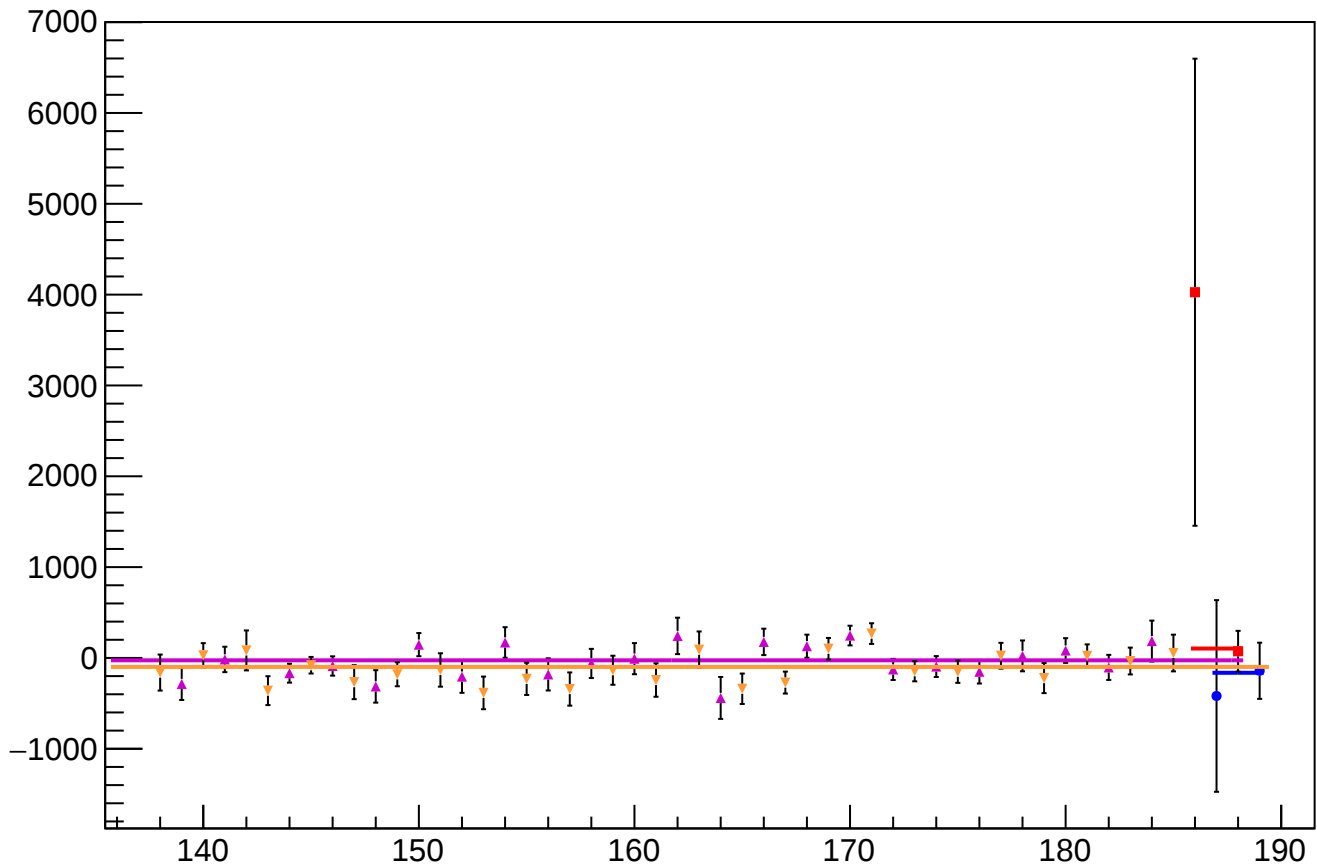
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 38.161 $\pm$ 0.006 χ^2 /NDF: 614799.4/26

All: 38.356 $\pm$ 0.004 χ^2 /NDF: 1760959.6/51

- sign 38.560 $\pm$ 0.006 χ^2 /NDF: 1144171.1/24

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -163.374 ± 296.859 χ^2/NDF : 0.1/1

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: 103.606 ± 223.720 χ^2/NDF : 2.3/1

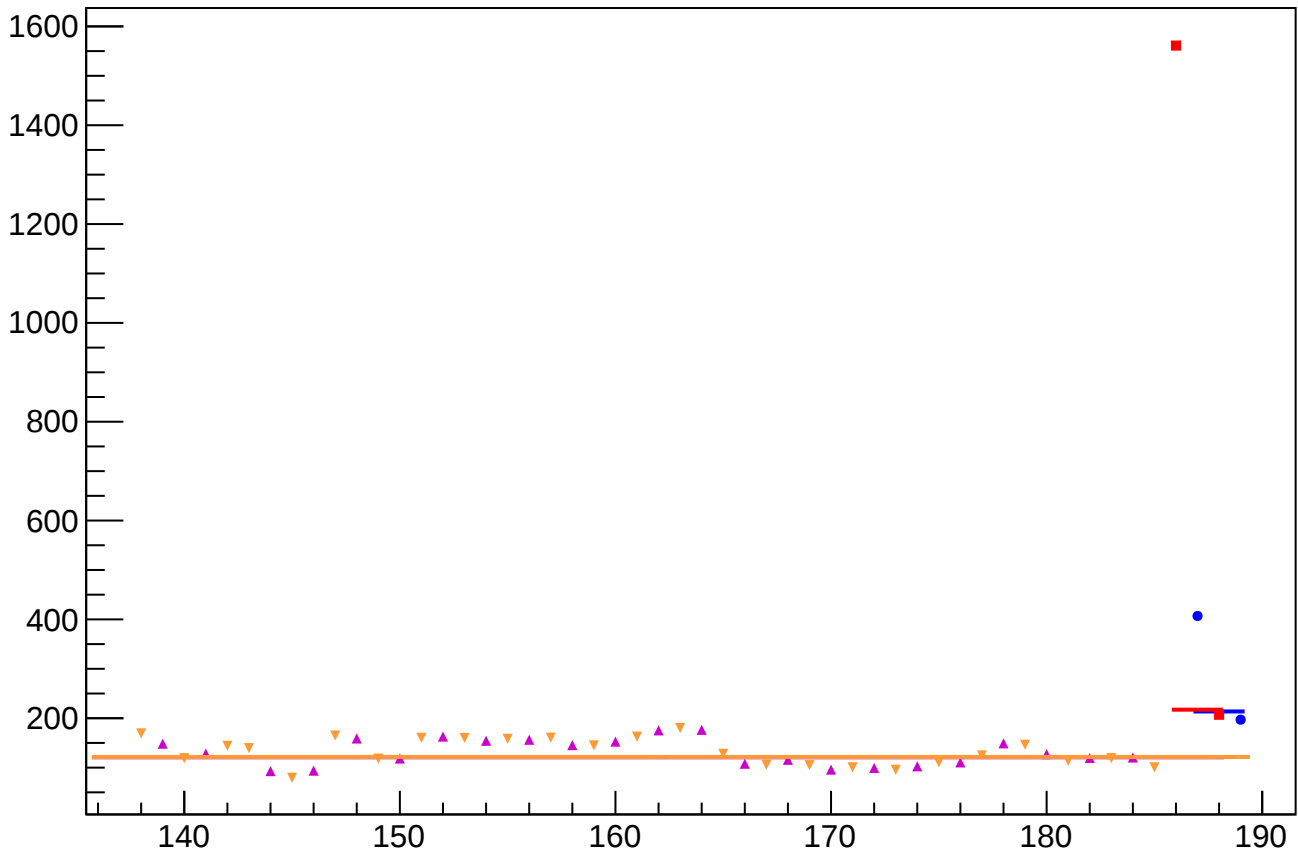
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -99.356 ± 28.956 χ^2/NDF : 32.9/26

All: -62.263 ± 20.637 χ^2/NDF : 69.5/51

- sign -23.978 ± 29.418 χ^2/NDF : 33.3/24

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 213.676 ± 0.210 $\chi^2/\text{NDF}: 72860.4/1$

Left Out: 121.592 ± 0.021 $\chi^2/\text{NDF}: 1711423.9/24$

Right Out: 217.293 ± 0.158 $\chi^2/\text{NDF}: 550525.3/1$

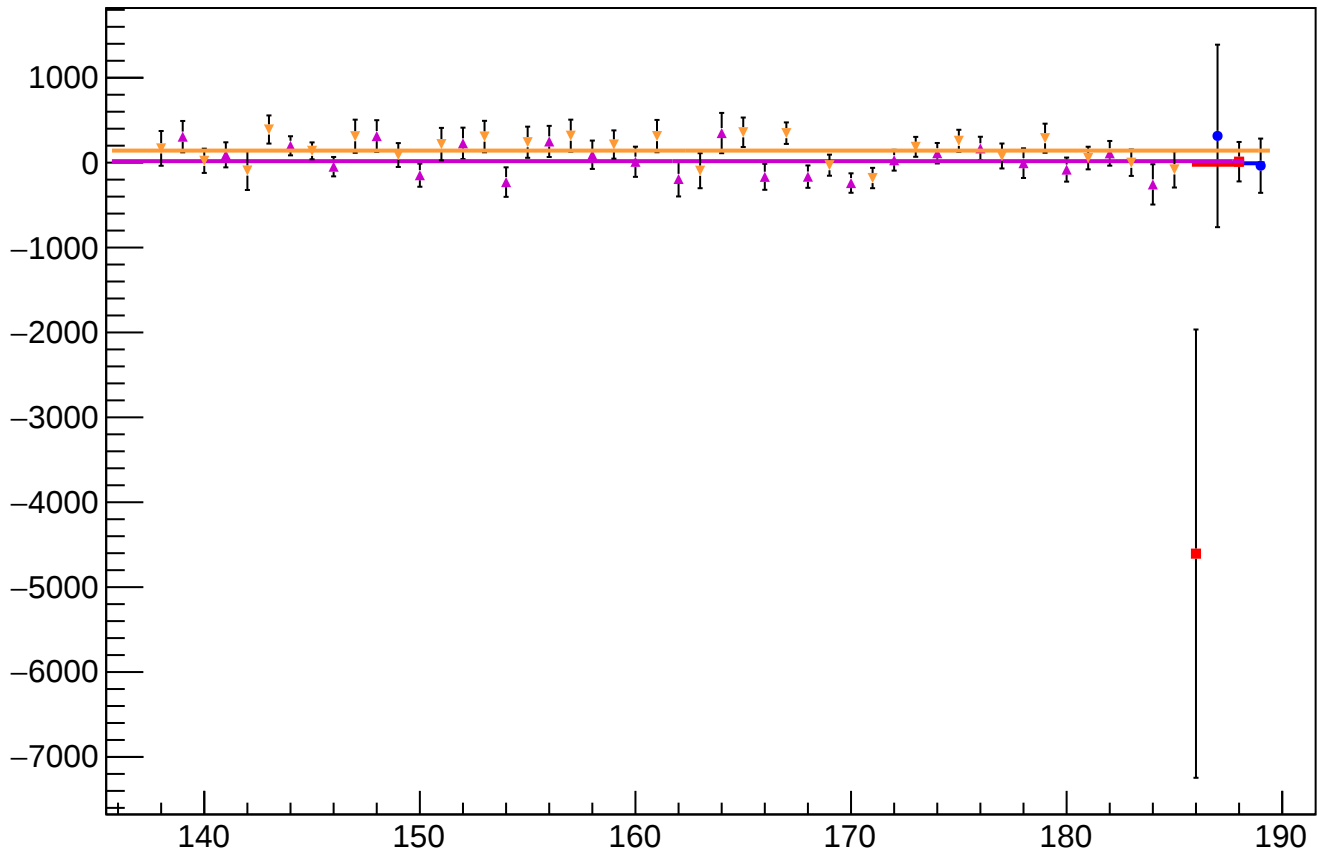
Left In: 120.927 ± 0.021 $\chi^2/\text{NDF}: 1382861.4/22$

+ sign 122.468 ± 0.020 $\chi^2/\text{NDF}: 1974894.8/26$

All: 122.530 ± 0.015 $\chi^2/\text{NDF}: 4272965.8/51$

- sign 122.593 ± 0.021 $\chi^2/\text{NDF}: 2298052.7/24$

asym_sam_37_26_dd_mean vs Slug



Right In: -7.544 ± 306.285 χ^2/NDF : 0.1/1

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: -24.181 ± 231.516 χ^2/NDF : 3.0/1

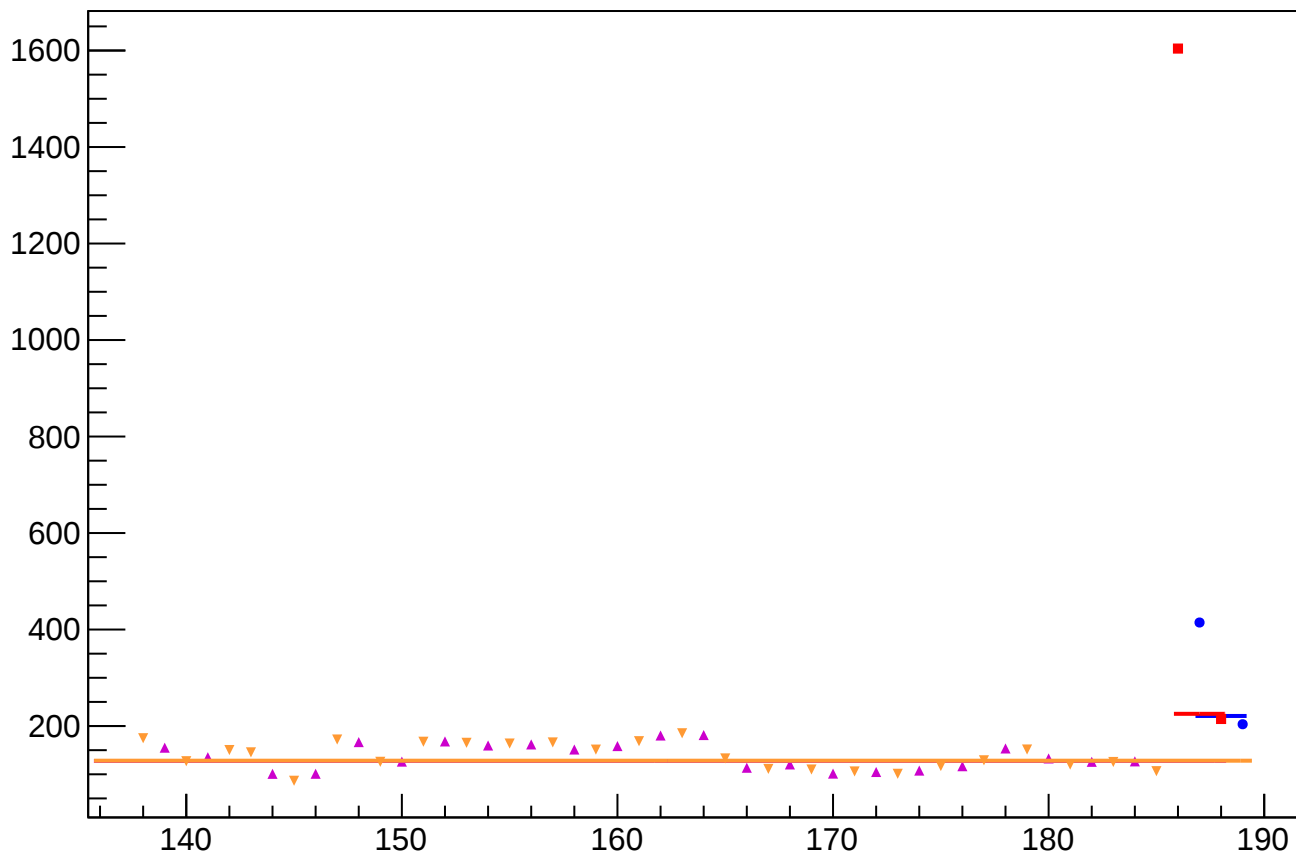
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 140.539 ± 30.423 χ^2/NDF : 27.2/26

All: 79.754 ± 21.689 χ^2/NDF : 68.5/51

- sign 16.932 ± 30.929 χ^2/NDF : 33.2/24

asym_sam_37_26_dd_rms vs Slug



Right In: 220.882 $\pm$ 0.217 χ^2 /NDF: 70683.2/1

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF:1532922.0/24

Right Out: 225.326 $\pm$ 0.164 χ^2 /NDF: 549610.5/1

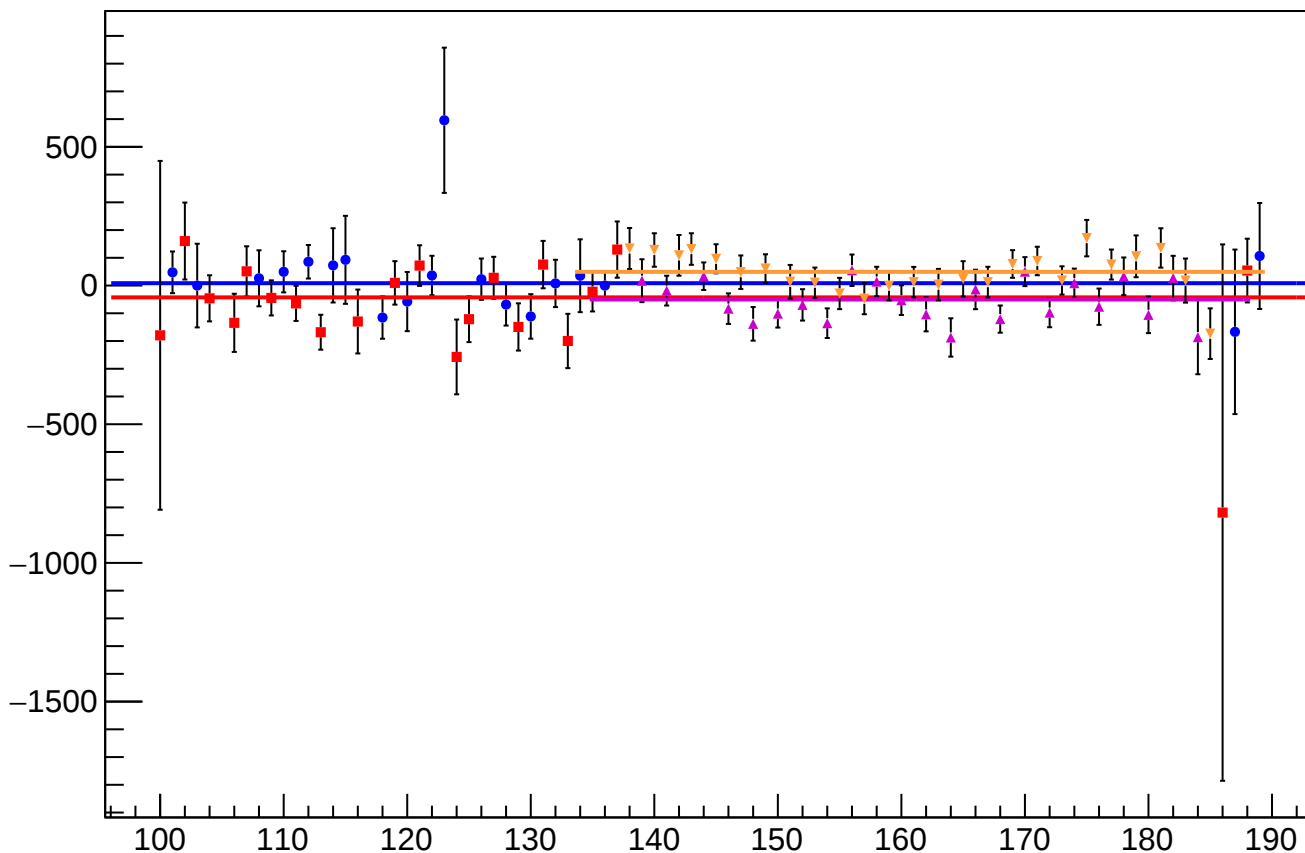
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 129.090 $\pm$ 0.022 χ^2 /NDF: 1785030.5/26

All: 129.188 $\pm$ 0.015 χ^2 /NDF: 3920791.2/51

- sign 129.289 $\pm$ 0.022 χ^2 /NDF: 2135718.6/24

reg_asym_sam_1357_avg_mean vs Slug



Right In: 8.460 ± 20.028 χ^2/NDF : 15.0/18

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -42.680 ± 19.182 χ^2/NDF : 26.3/20

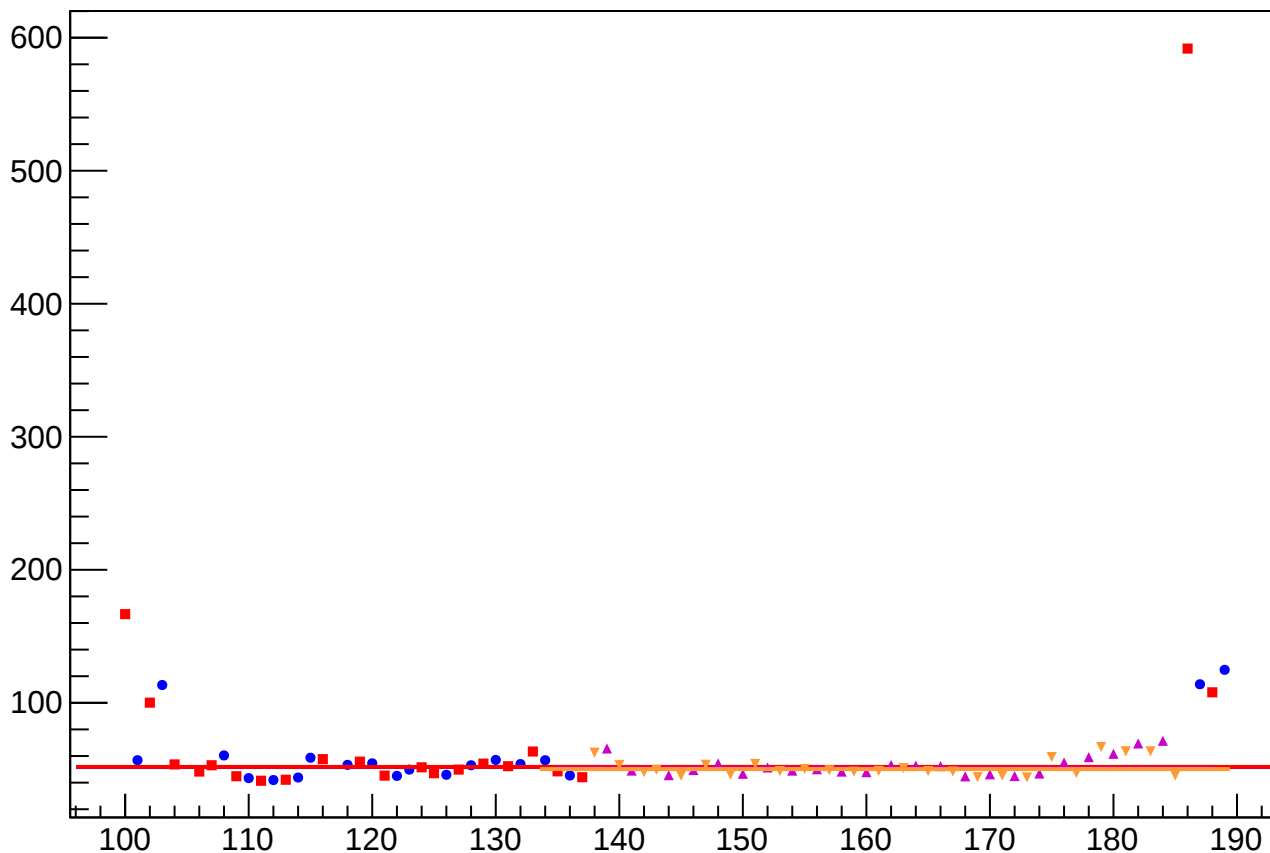
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 38.845 ± 10.170 χ^2/NDF : 46.1/43

All: -3.972 ± 7.246 χ^2/NDF : 140.8/87

- sign -48.114 ± 10.326 χ^2/NDF : 58.6/43

reg_asym_sam_1357_avg_rms vs Slug



Right In: 51.741 $\pm$ 0.014 χ^2 /NDF: 906771.4/18

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 51.806 $\pm$ 0.014 χ^2 /NDF: 1619392.9/20

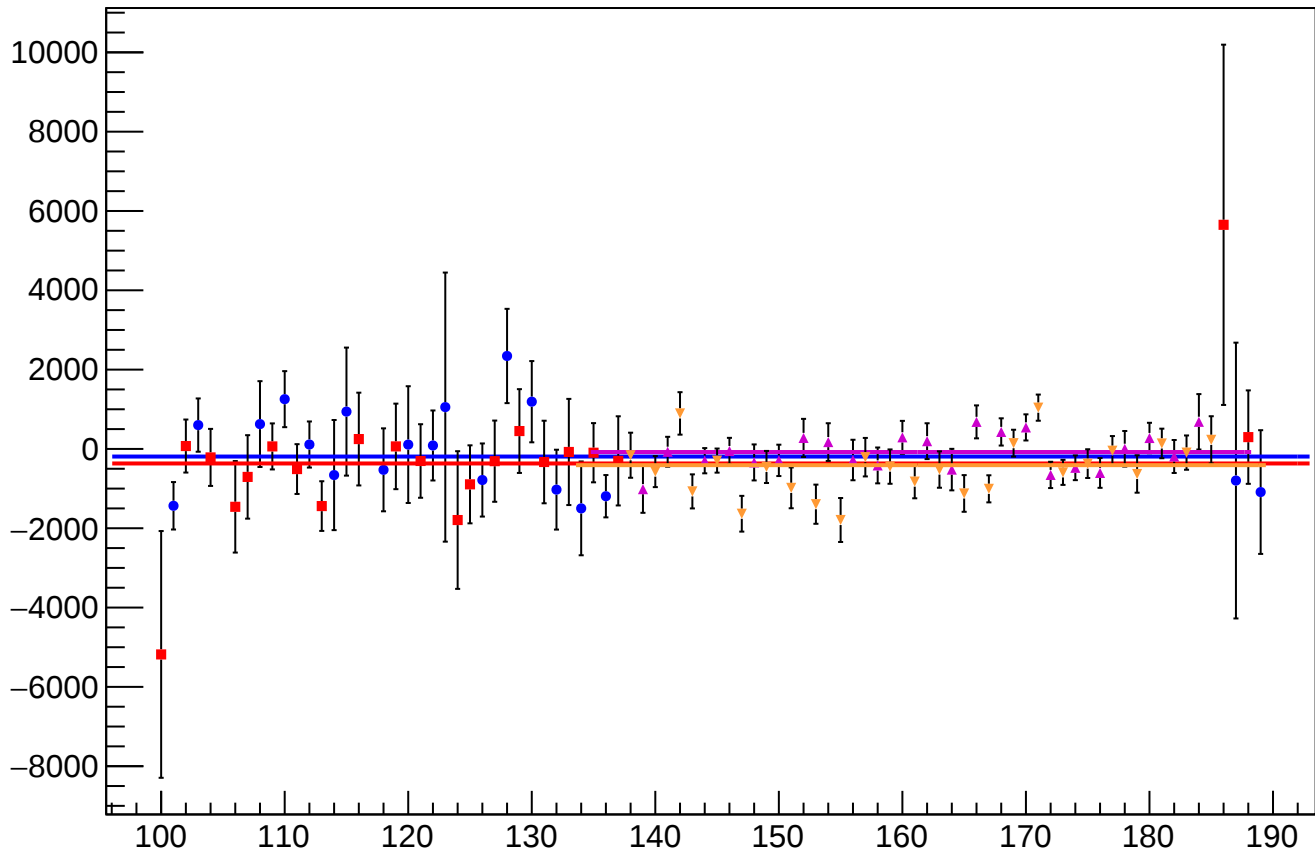
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 50.590 $\pm$ 0.007 χ^2 /NDF: 1383363.2/43

All: 50.796 $\pm$ 0.005 χ^2 /NDF: 3478588.4/87

- sign 51.009 $\pm$ 0.007 χ^2 /NDF: 2093554.2/43

asym_sam_1357_avg_correction_mean vs Slug



Right In: -191.928 ± 208.400 χ^2/NDF : 24.3/18

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -366.534 ± 200.852 χ^2/NDF : 11.7/20

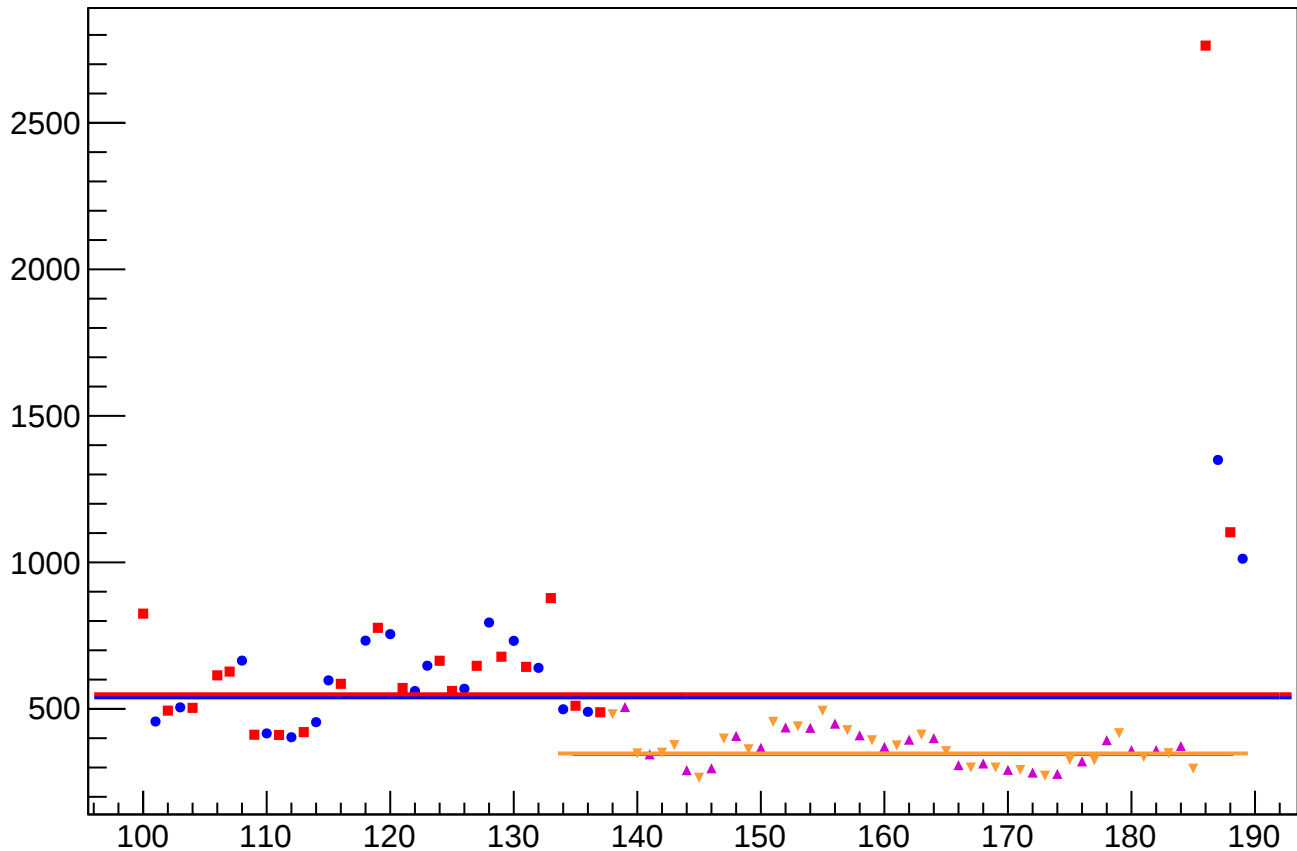
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -379.826 ± 76.586 χ^2/NDF : 86.9/43

All: -251.990 ± 54.493 χ^2/NDF : 130.8/87

- sign -120.908 ± 77.552 χ^2/NDF : 38.3/43

asym_sam_1357_avg_correction_rms vs Slug



Right In: 539.472 $\pm$ 0.147 χ^2 /NDF: 861944.5/18

Left Out: 347.875 $\pm$ 0.058 χ^2 /NDF:1044096.7/24

Right Out: 549.940 $\pm$ 0.142 χ^2 /NDF: 1562358.8/20

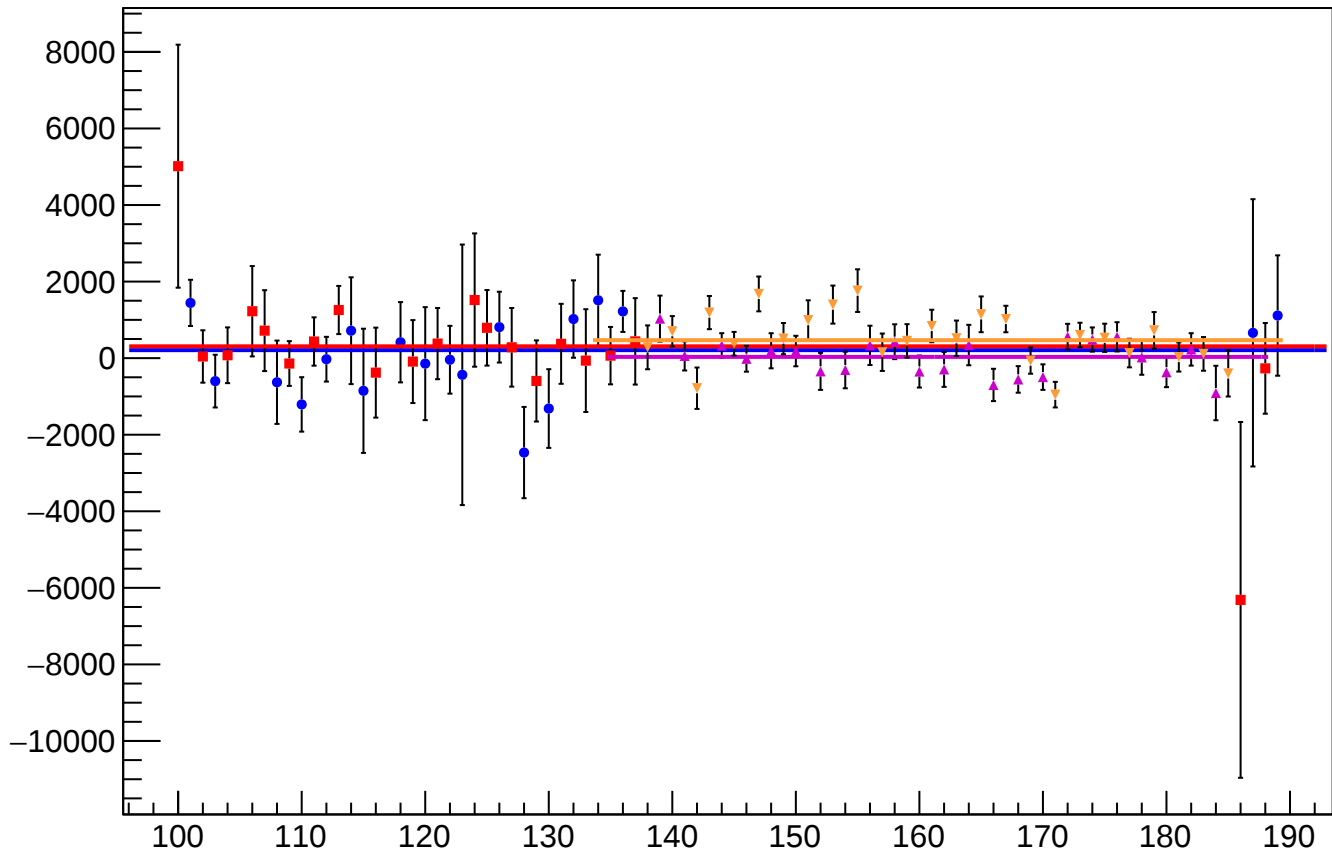
Left In: 345.954 $\pm$ 0.059 χ^2 /NDF:900847.0/22

+ sign 373.751 $\pm$ 0.054 χ^2 /NDF: 3368213.5/43

All: 375.042 $\pm$ 0.039 χ^2 /NDF: 7587919.2/87

- sign 376.366 $\pm$ 0.055 χ^2 /NDF: 4218554.5/43

asym_sam_1357_avg_mean vs Slug



Right In: 209.088 $\pm$ 209.870 χ^2 /NDF: 24.5/18

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF: 57.5/24

Right Out: 308.776 $\pm$ 202.397 χ^2 /NDF: 10.5/20

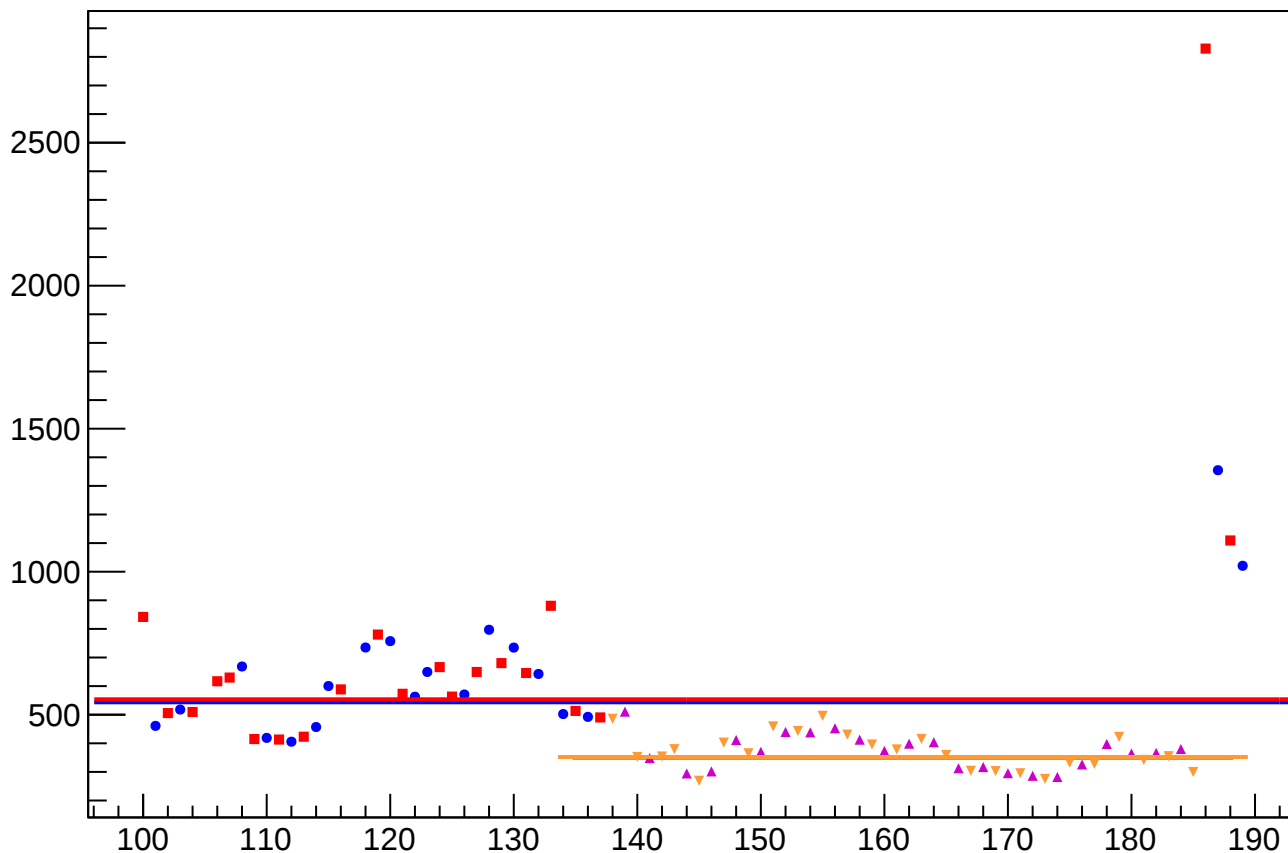
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 433.511 $\pm$ 77.421 χ^2 /NDF: 83.3/43

All: 256.173 $\pm$ 55.094 χ^2 /NDF: 131.7/87

- sign 74.230 $\pm$ 78.419 χ^2 /NDF: 37.8/43

asym_sam_1357_avg_rms vs Slug



Right In: 543.451+/-0.148 χ^2/NDF : 854377.5/18

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 553.895+/-0.143 χ^2/NDF : 1557961.8/20

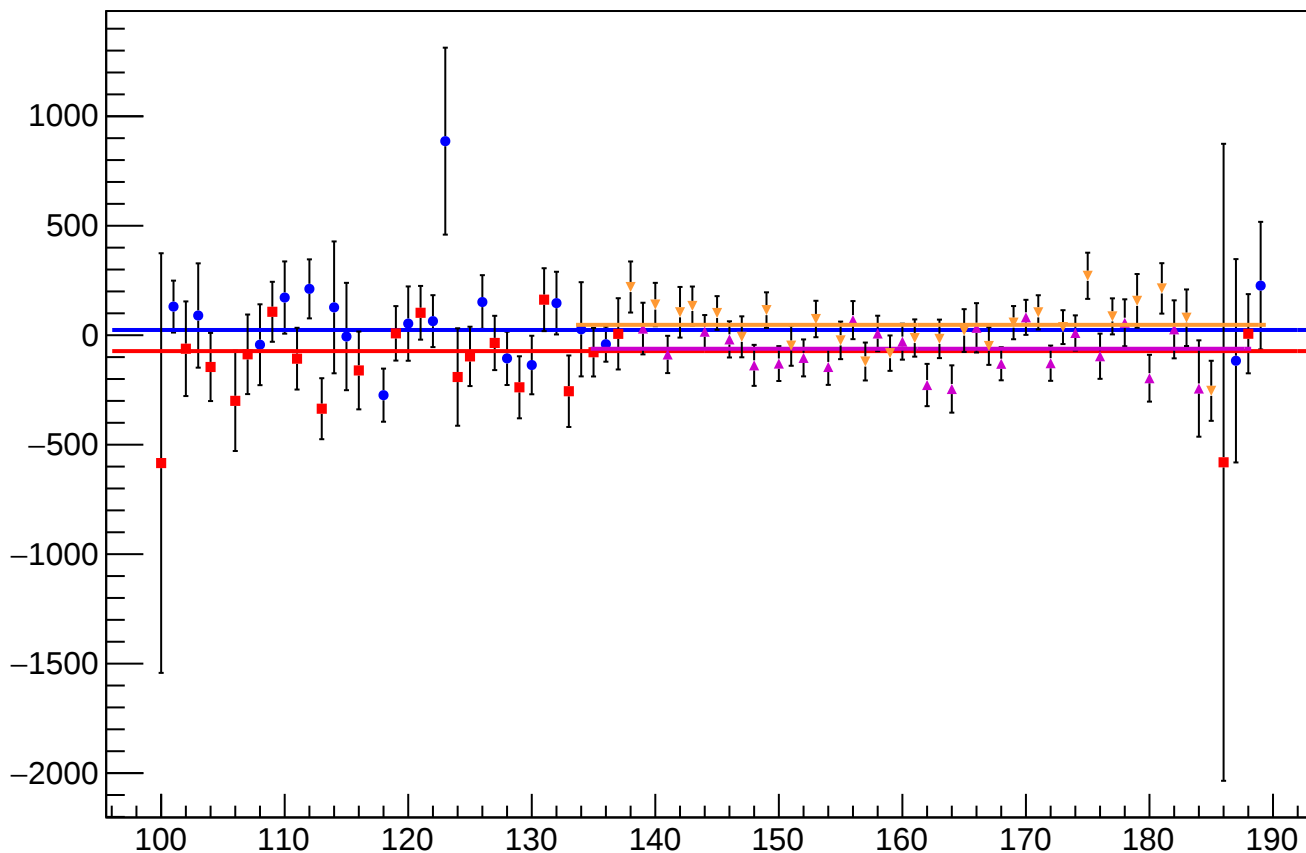
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 378.066+/-0.055 χ^2/NDF : 3309217.3/43

All: 379.388+/-0.039 χ^2/NDF : 7469038.0/87

- sign 380.745+/-0.055 χ^2/NDF : 4158639.3/43

reg_asym_sam_2468_avg_mean vs Slug



Right In: 23.911 $\pm$ 34.302 χ^2 /NDF: 19.8/18

Left Out: 47.426 $\pm$ 18.253 χ^2 /NDF: 29.4/24

Right Out: -72.559 $\pm$ 34.164 χ^2 /NDF: 15.8/20

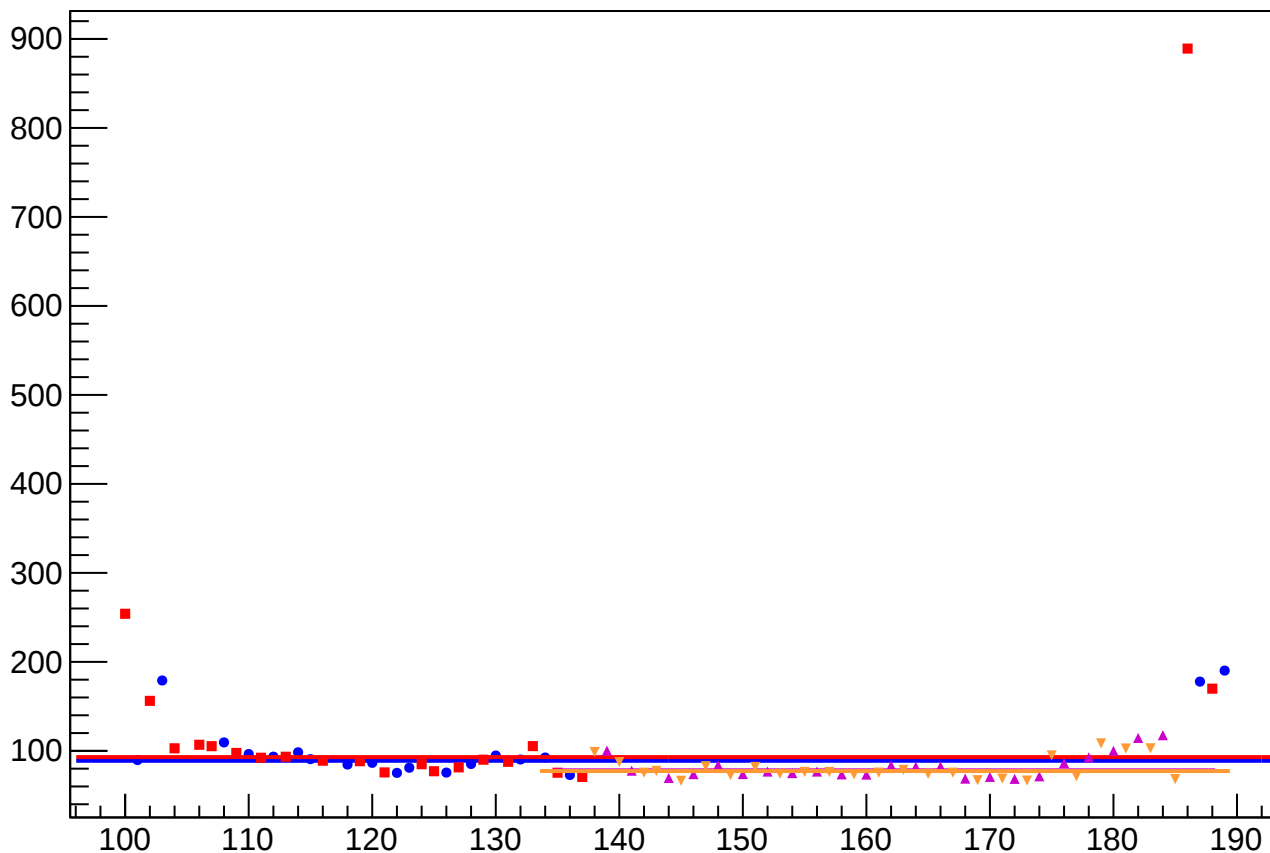
Left In: -61.830 $\pm$ 18.958 χ^2 /NDF: 24.0/22

+ sign 42.237 $\pm$ 16.113 χ^2 /NDF: 49.5/43

All: -9.550 $\pm$ 11.554 χ^2 /NDF: 110.6/87

- sign -64.356 $\pm$ 16.577 χ^2 /NDF: 39.8/43

reg_asym_sam_2468_avg_rms vs Slug



Right In: 88.875 $\pm$ 0.024 χ^2 /NDF: 774946.5/18

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF: 635622.3/24

Right Out: 92.978 $\pm$ 0.024 χ^2 /NDF: 1408242.5/20

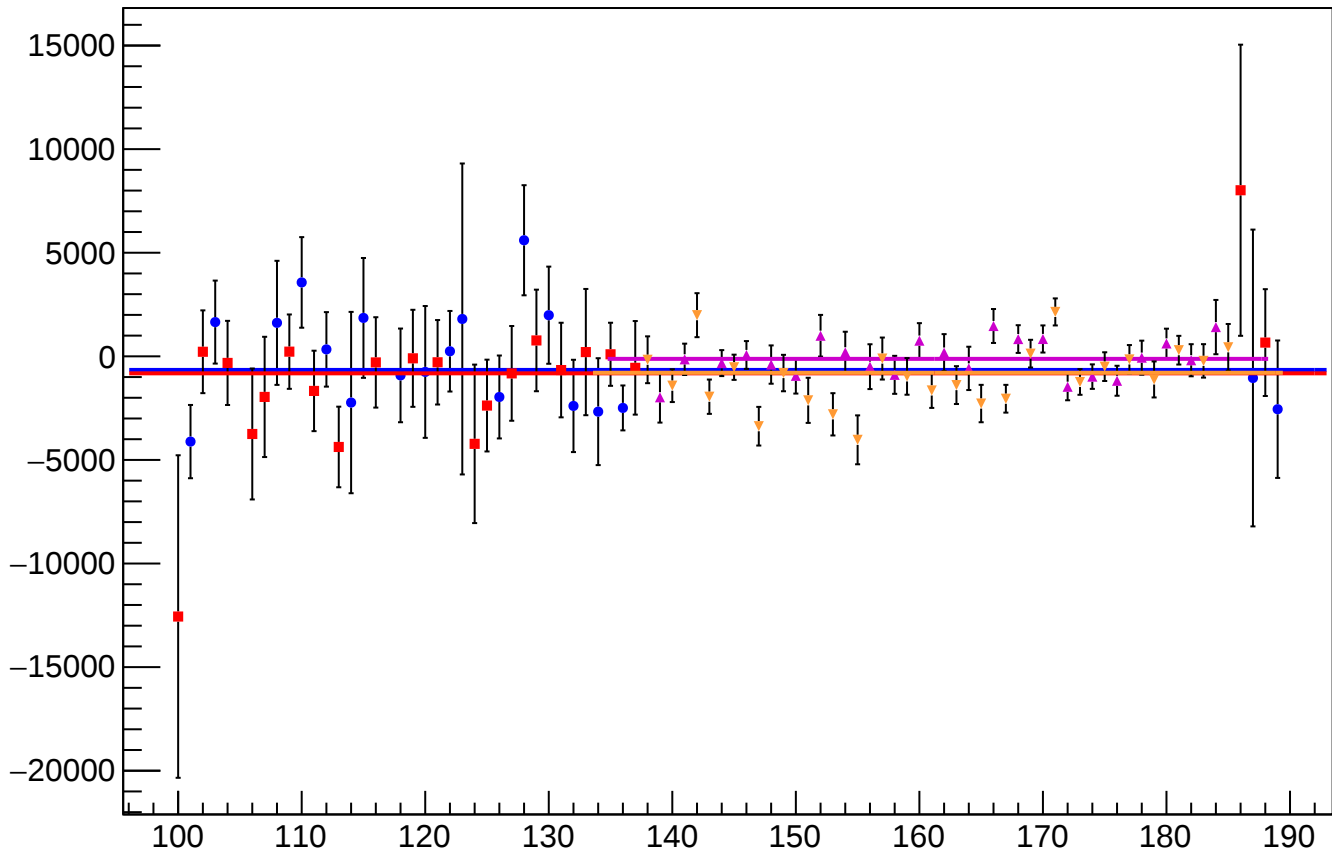
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

+ sign 79.867 $\pm$ 0.011 χ^2 /NDF: 1587559.9/43

All: 80.725 $\pm$ 0.008 χ^2 /NDF: 3878058.2/87

- sign 81.632 $\pm$ 0.012 χ^2 /NDF: 2278836.6/43

asym_sam_2468_avg_correction_mean vs Slug



Right In: -656.024 $\pm$ 510.704 χ^2 /NDF: 22.6/18

Left Out: -792.776 $\pm$ 162.659 χ^2 /NDF:66.6/24

Right Out: -820.904 $\pm$ 504.447 χ^2 /NDF: 11.8/20

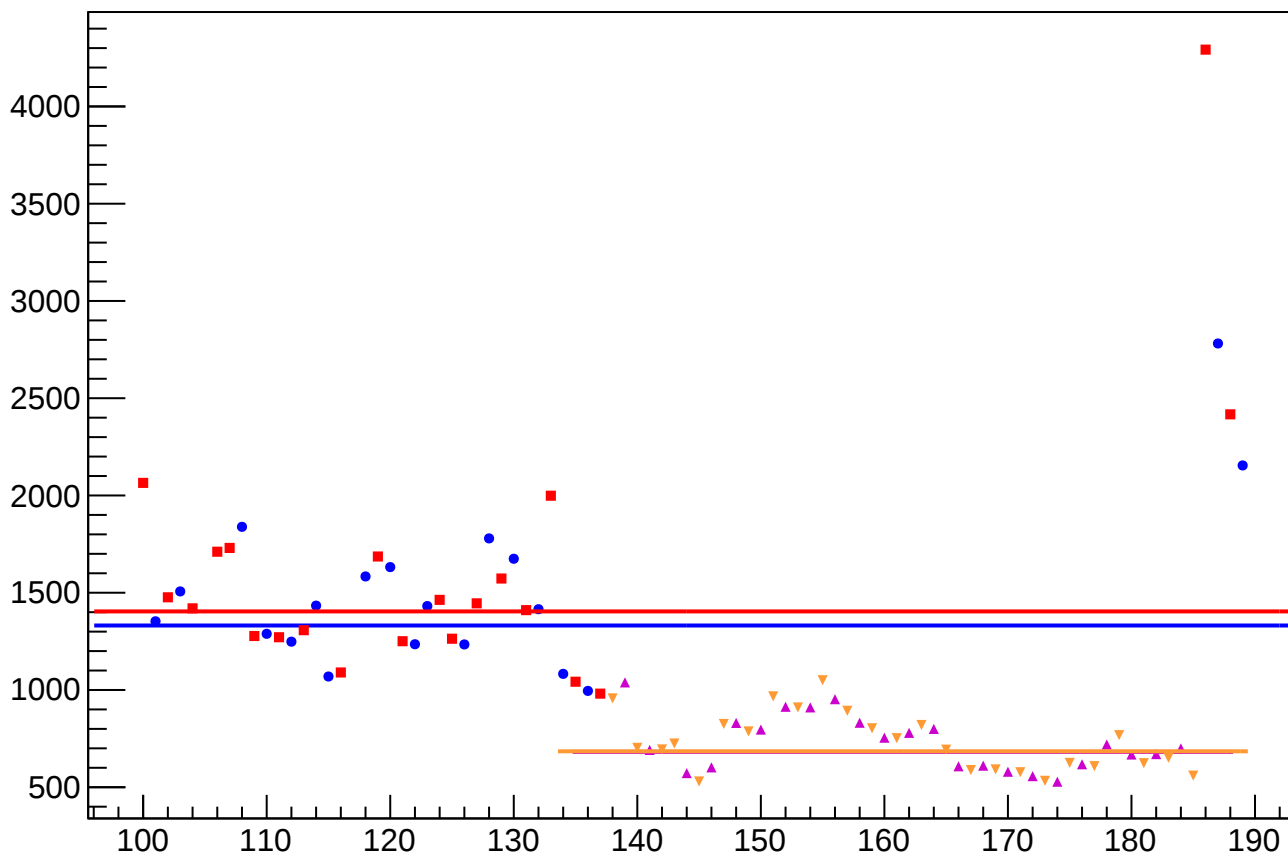
Left In: -122.198 $\pm$ 166.193 χ^2 /NDF:25.9/22

+ sign -780.181 $\pm$ 154.988 χ^2 /NDF: 89.3/43

All: -490.785 $\pm$ 110.590 χ^2 /NDF: 135.9/87

- sign -190.611 $\pm$ 157.848 χ^2 /NDF: 39.5/43

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1331.489+/-0.361 χ^2/NDF : 666801.6/18

Left Out: 684.785+/-0.115 χ^2/NDF : 1280146.2/24

Right Out: 1403.949+/-0.357 χ^2/NDF : 1092009.2/20

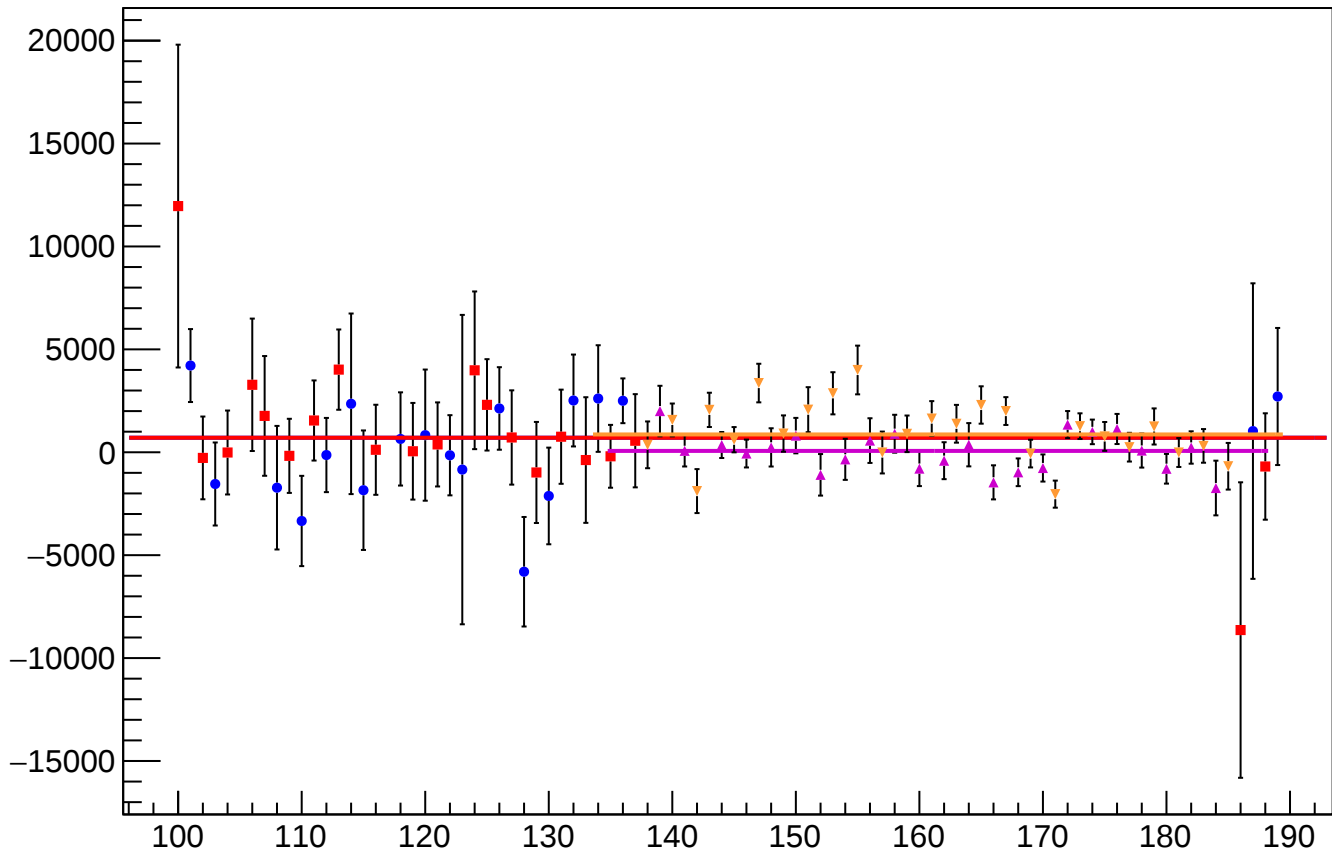
Left In: 681.712+/-0.118 χ^2/NDF : 1119637.0/22

+ sign 744.346+/-0.110 χ^2/NDF : 4858608.6/43

All: 748.313+/-0.078 χ^2/NDF : 10771255.9/87

- sign 752.429+/-0.112 χ^2/NDF : 5909976.9/43

asym_sam_2468_avg_mean vs Slug



Right In: 706.250 $\pm$ 512.173 χ^2 /NDF: 22.8/18

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF: 62.8/24

Right Out: 705.779 $\pm$ 506.157 χ^2 /NDF: 10.9/20

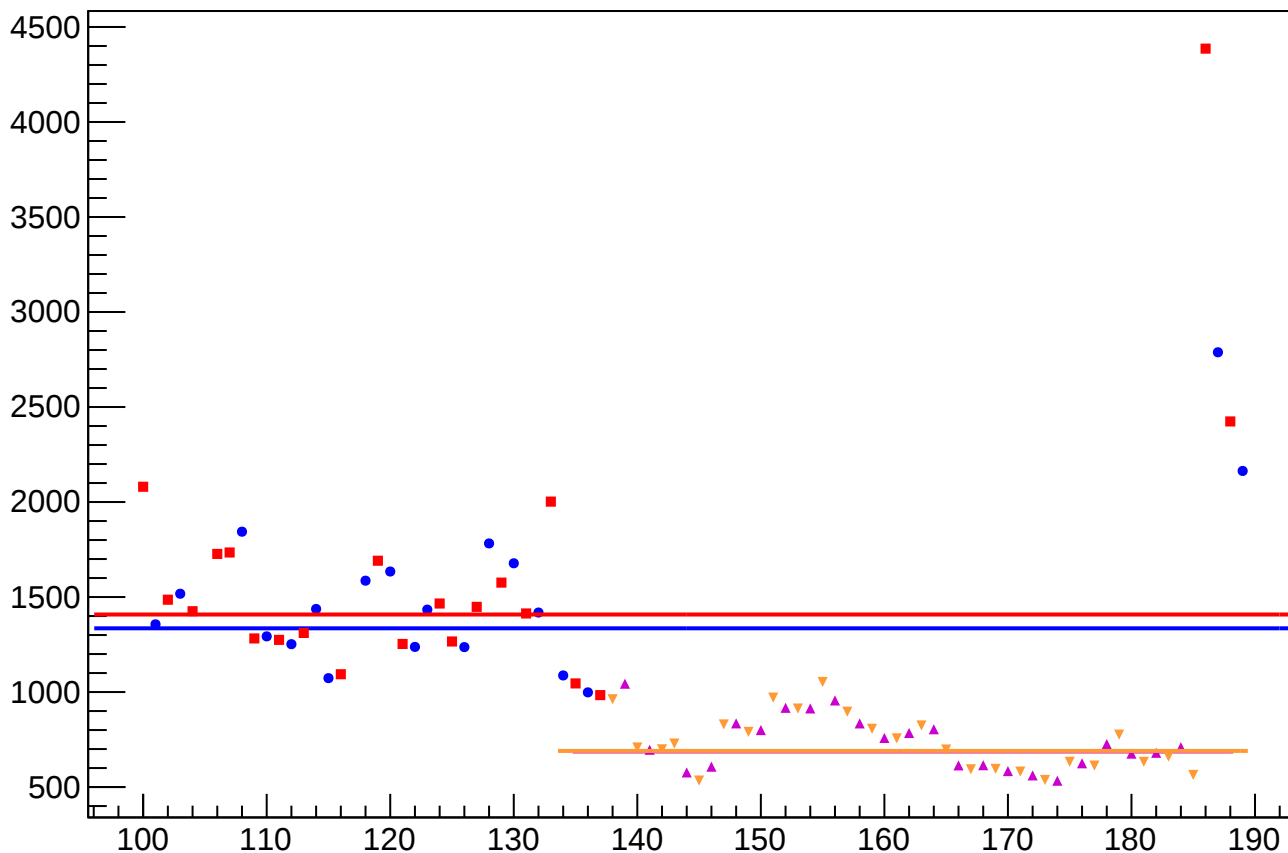
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF: 26.4/22

+ sign 850.797 $\pm$ 156.089 χ^2 /NDF: 85.7/43

All: 496.613 $\pm$ 111.389 χ^2 /NDF: 135.0/87

- sign 129.069 $\pm$ 159.006 χ^2 /NDF: 38.7/43

asym_sam_2468_avg_rms vs Slug



Right In: 1335.361+/-0.362 χ^2/NDF : 666406.7/18

Left Out: 690.166+/-0.116 χ^2/NDF :1258158.2/24

Right Out: 1407.951+/-0.358 χ^2/NDF : 1099253.6/20

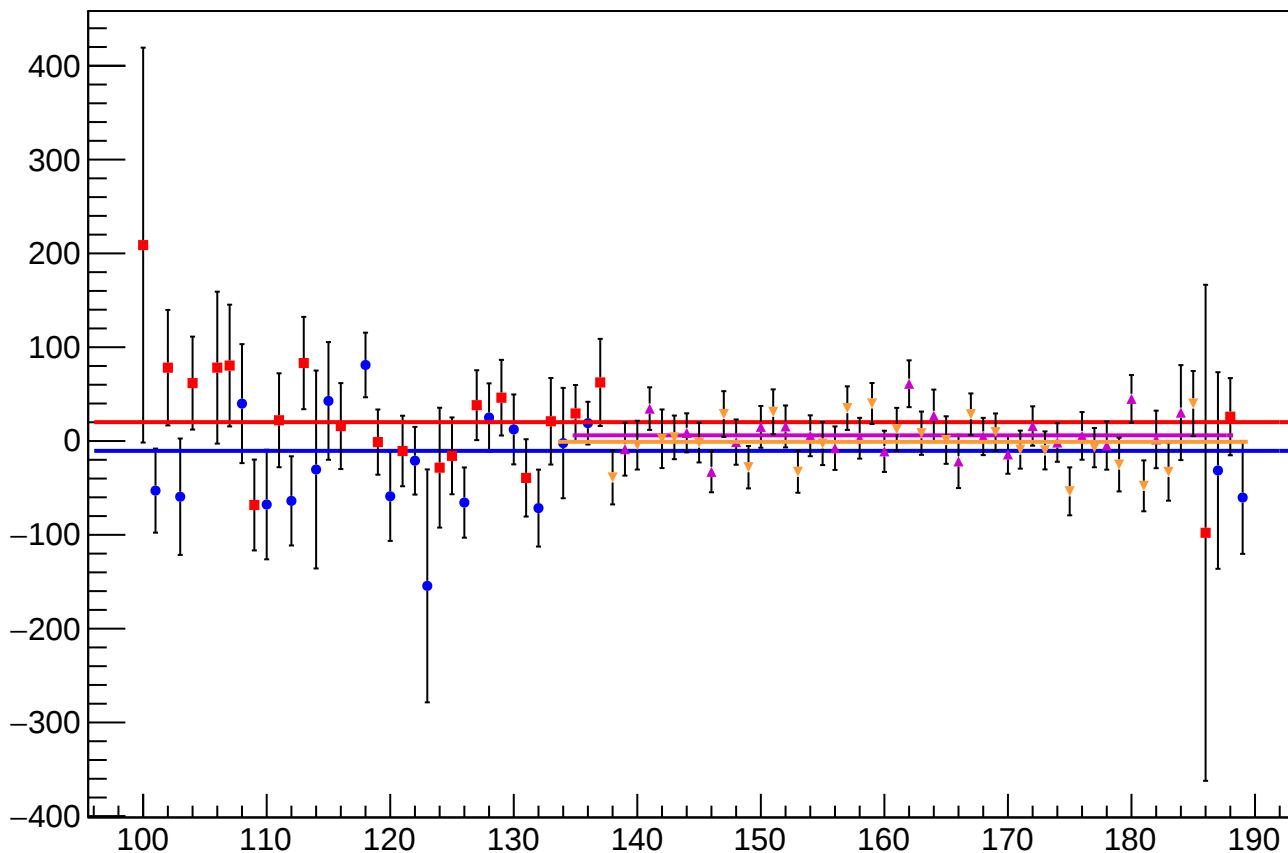
Left In: 687.216+/-0.118 χ^2/NDF :1099706.1/22

+ sign 750.091+/-0.110 χ^2/NDF : 4803577.1/43

All: 754.140+/-0.079 χ^2/NDF : 10660270.1/87

- sign 758.343+/-0.112 χ^2/NDF : 5853949.8/43

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -10.494 ± 10.220 χ^2/NDF : 22.8/18

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 20.140 ± 10.139 χ^2/NDF : 15.0/20

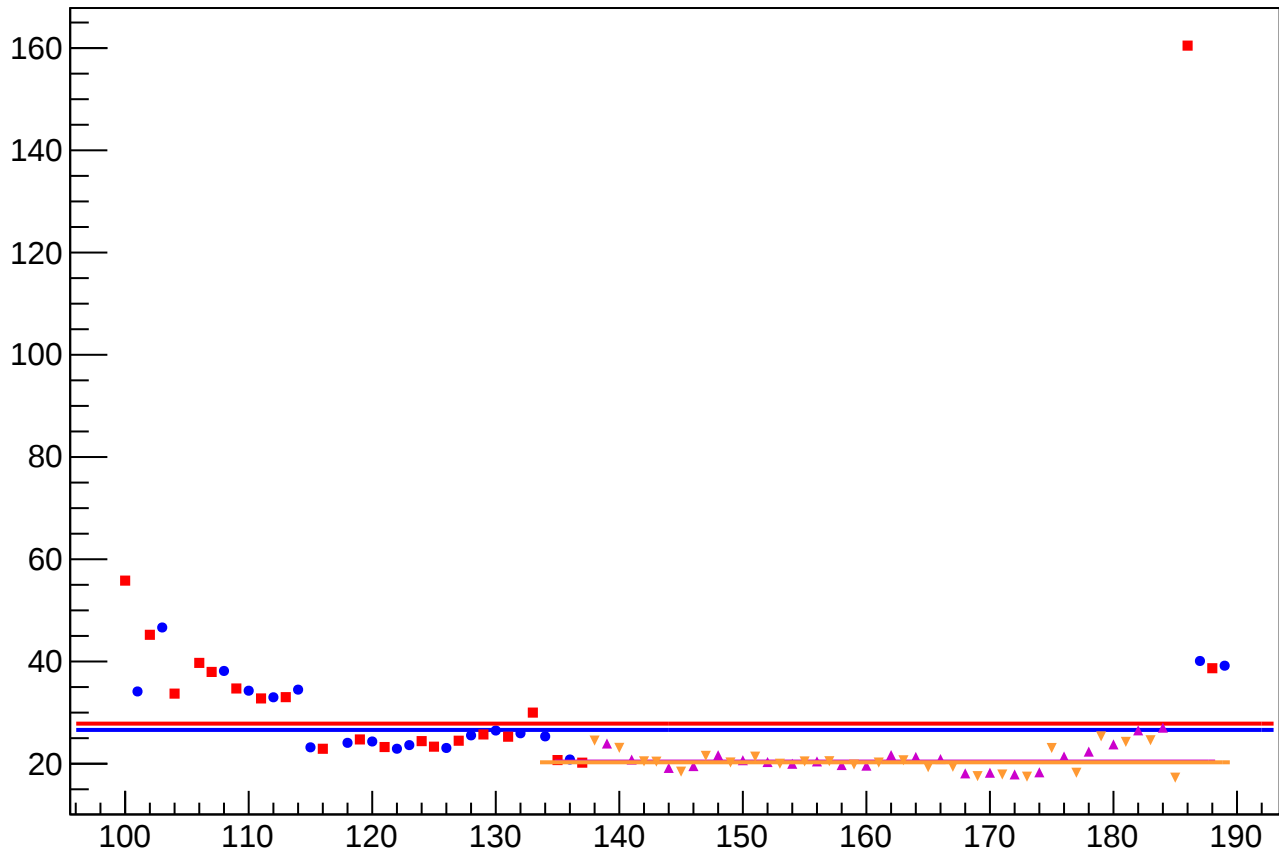
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -2.579 ± 4.315 χ^2/NDF : 51.4/43

All: 2.929 ± 3.091 χ^2/NDF : 88.3/87

- sign 8.733 ± 4.430 χ^2/NDF : 33.5/43

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.612 ± 0.007 $\chi^2/\text{NDF}: 727094.9/18$

Left Out: 20.279 ± 0.003 $\chi^2/\text{NDF}: 407056.4/24$

Right Out: 27.845 ± 0.007 $\chi^2/\text{NDF}: 1335502.5/20$

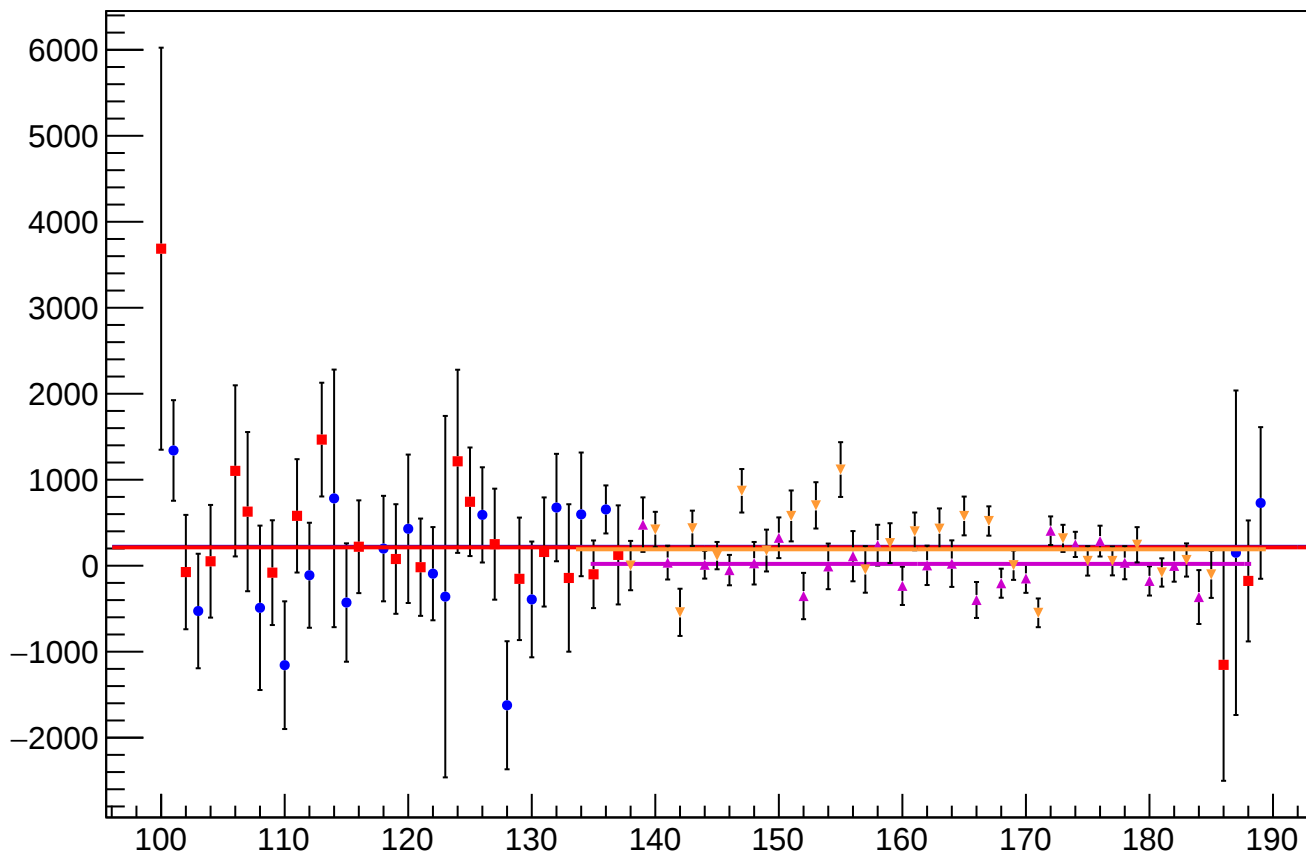
Left In: 20.424 ± 0.003 $\chi^2/\text{NDF}: 323427.4/22$

+ sign 21.408 ± 0.003 $\chi^2/\text{NDF}: 1765130.4/43$

All: 21.619 ± 0.002 $\chi^2/\text{NDF}: 4300839.2/87$

- sign 21.841 ± 0.003 $\chi^2/\text{NDF}: 2525925.4/43$

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 219.590 $\pm$ 145.710 χ^2 /NDF: 21.7/18

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: 213.568 $\pm$ 146.015 χ^2 /NDF: 11.8/20

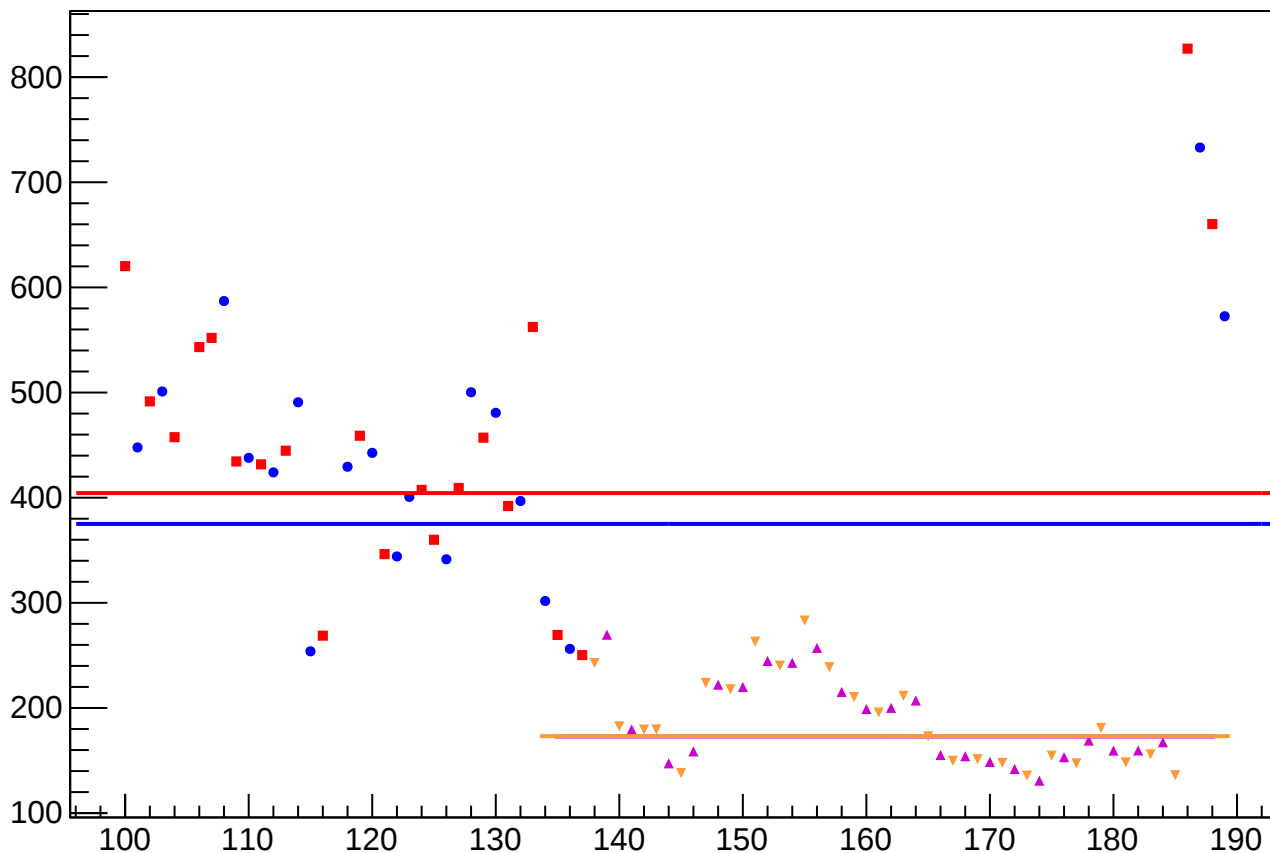
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

+ sign 193.004 $\pm$ 39.747 χ^2 /NDF: 89.6/43

All: 116.162 $\pm$ 28.409 χ^2 /NDF: 138.4/87

- sign 35.902 $\pm$ 40.621 χ^2 /NDF: 41.2/43

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 375.058 $\pm$ 0.103 χ^2 /NDF: 1007395.3/18

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF: 1561250.6/24

Right Out: 404.384 $\pm$ 0.103 χ^2 /NDF: 1261320.0/20

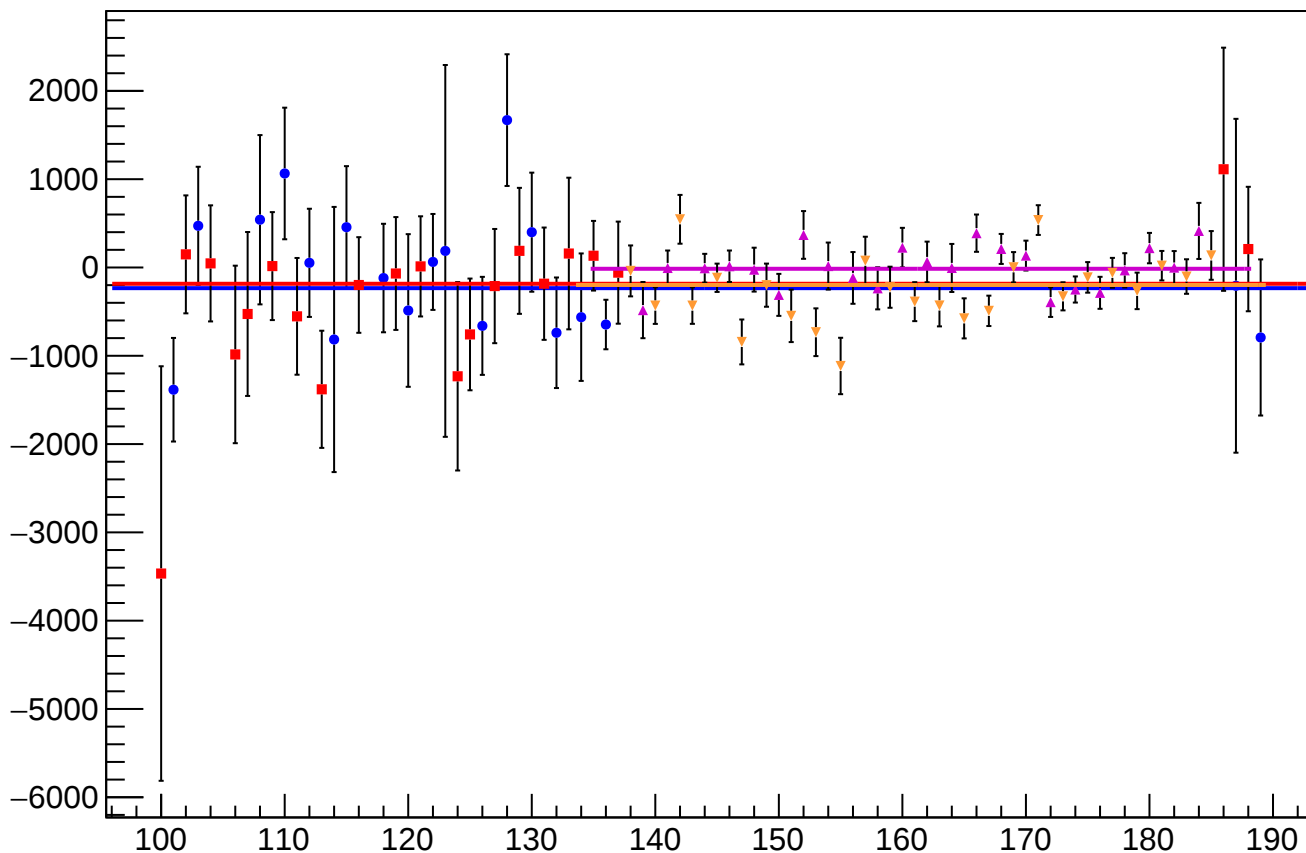
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF: 1372131.7/22

+ sign 188.229 $\pm$ 0.028 χ^2 /NDF: 6121006.2/43

All: 189.462 $\pm$ 0.020 χ^2 /NDF: 13398838.3/87

- sign 190.749 $\pm$ 0.029 χ^2 /NDF: 7273901.6/43

asym_sam_1357_2468_dd_mean vs Slug



Right In: -234.091 ± 146.133 χ^2/NDF : 21.9/18

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -184.427 ± 146.477 χ^2/NDF : 11.0/20

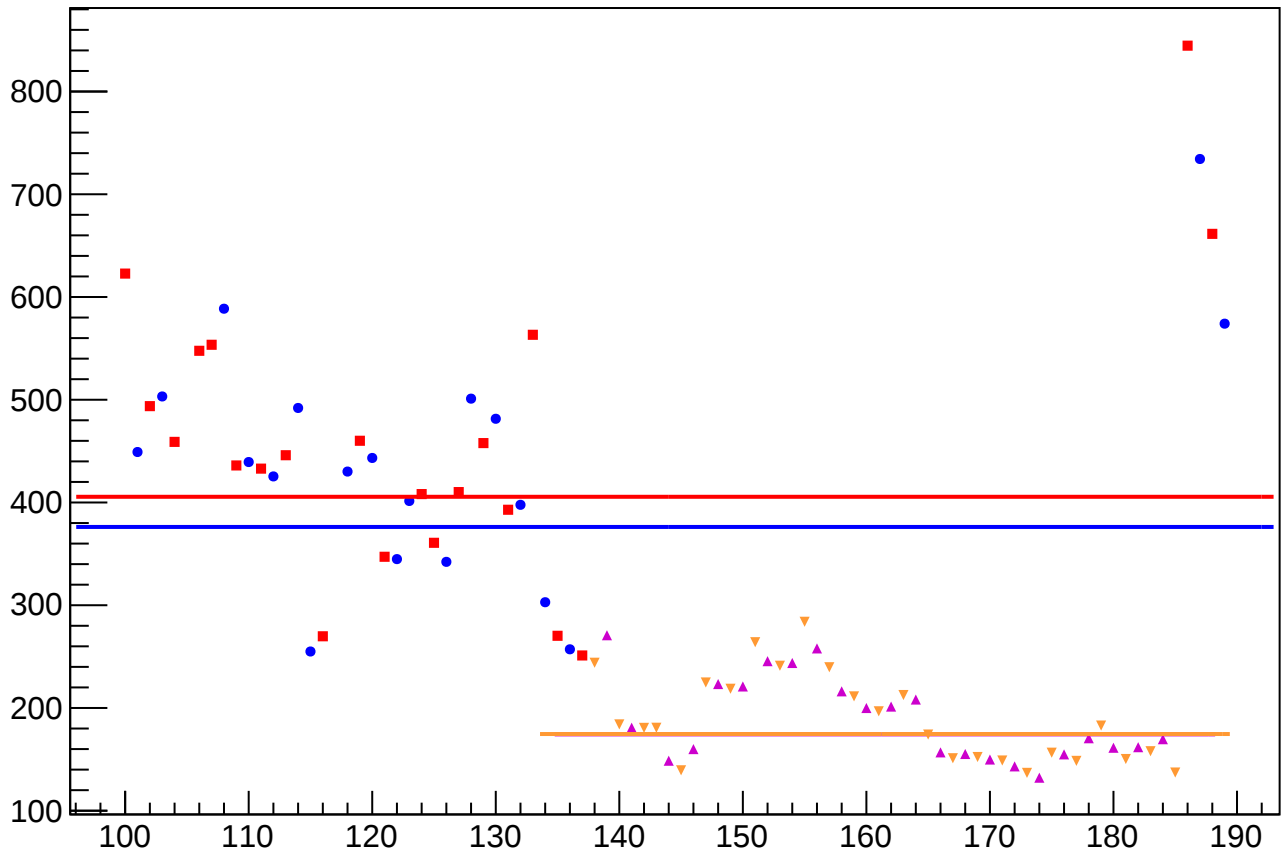
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -200.634 ± 40.044 χ^2/NDF : 86.2/43

All: -116.147 ± 28.624 χ^2/NDF : 135.3/87

- sign -27.875 ± 40.931 χ^2/NDF : 40.0/43

asym_sam_1357_2468_dd_rms vs Slug



Right In: 376.197 $\pm$ 0.103 χ^2/NDF : 1004421.3/18

Left Out: 174.648 $\pm$ 0.029 χ^2/NDF :1531999.5/24

Right Out: 405.556 $\pm$ 0.104 χ^2/NDF : 1267424.5/20

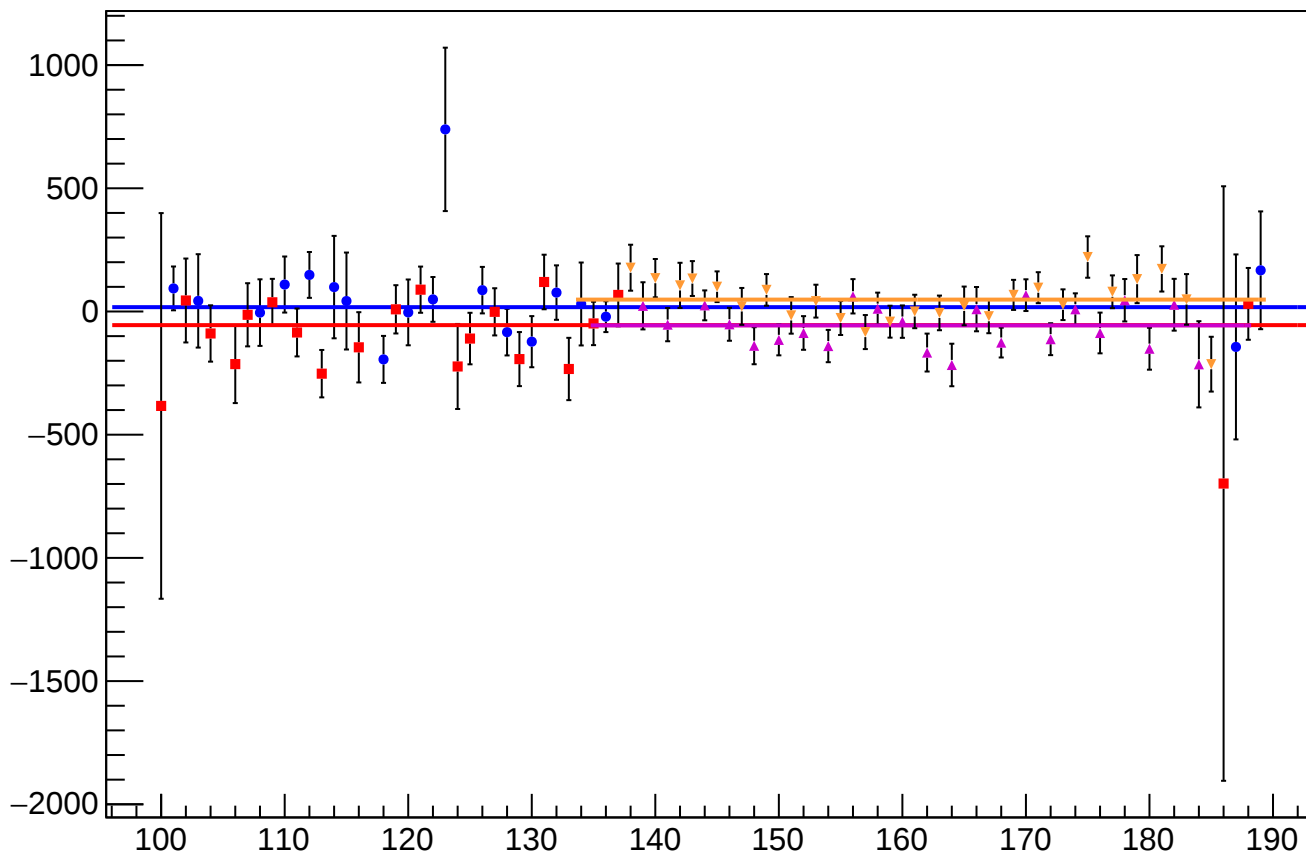
Left In: 174.288 $\pm$ 0.030 χ^2/NDF :1344779.5/22

+ sign 189.782 $\pm$ 0.028 χ^2/NDF : 6055243.2/43

All: 191.036 $\pm$ 0.020 χ^2/NDF : 13267782.5/87

- sign 192.347 $\pm$ 0.029 χ^2/NDF : 7208528.1/43

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 17.586 $\pm$ 26.154 χ^2 /NDF: 18.2/18

Left Out: 48.233 $\pm$ 14.616 χ^2 /NDF:29.3/24

Right Out: -55.354 $\pm$ 25.777 χ^2 /NDF: 19.3/20

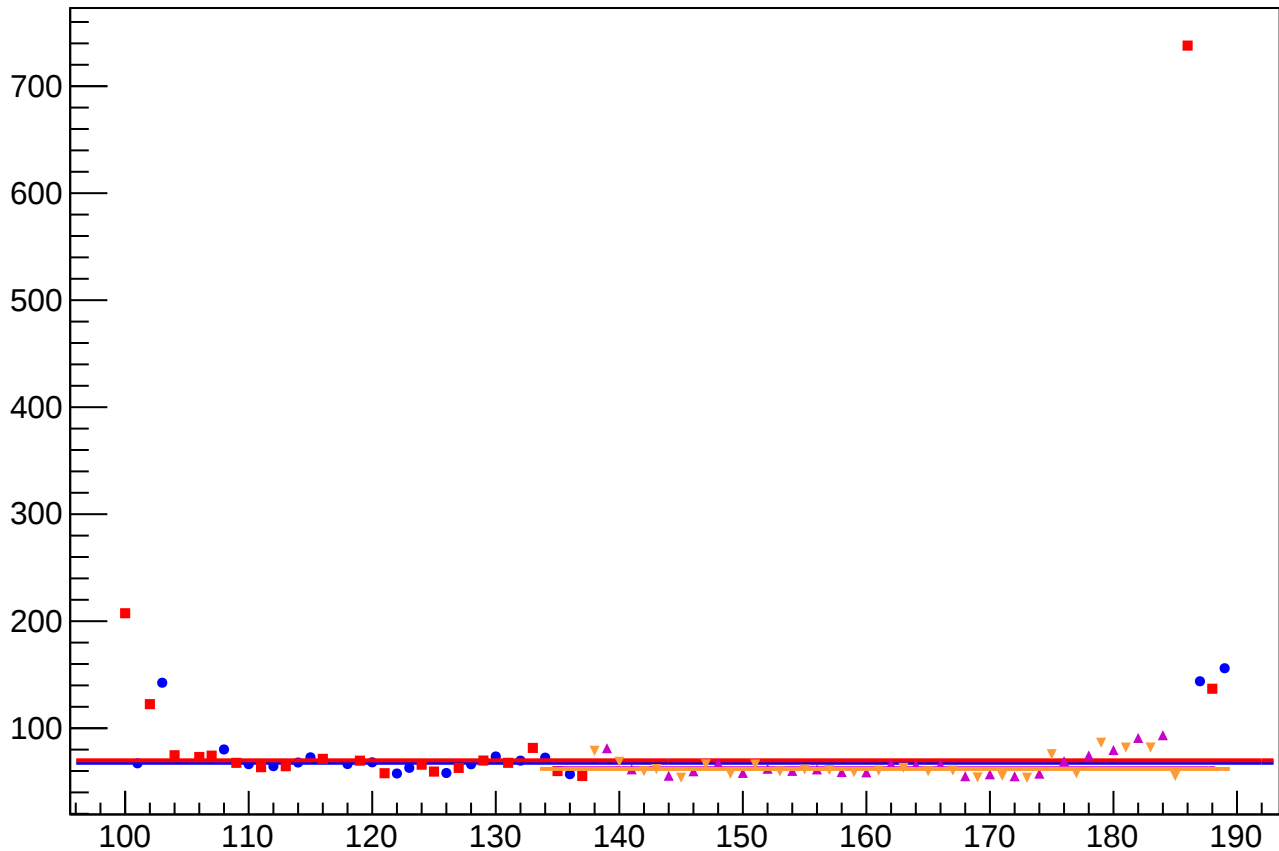
Left In: -56.403 $\pm$ 15.182 χ^2 /NDF:27.5/22

+ sign 40.940 $\pm$ 12.759 χ^2 /NDF: 48.5/43

All: -6.383 $\pm$ 9.134 χ^2 /NDF: 123.5/87

- sign -56.133 $\pm$ 13.082 χ^2 /NDF: 46.8/43

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 67.704 $\pm$ 0.018 χ^2 /NDF: 801270.5/18

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 69.970 $\pm$ 0.018 χ^2 /NDF: 1444898.0/20

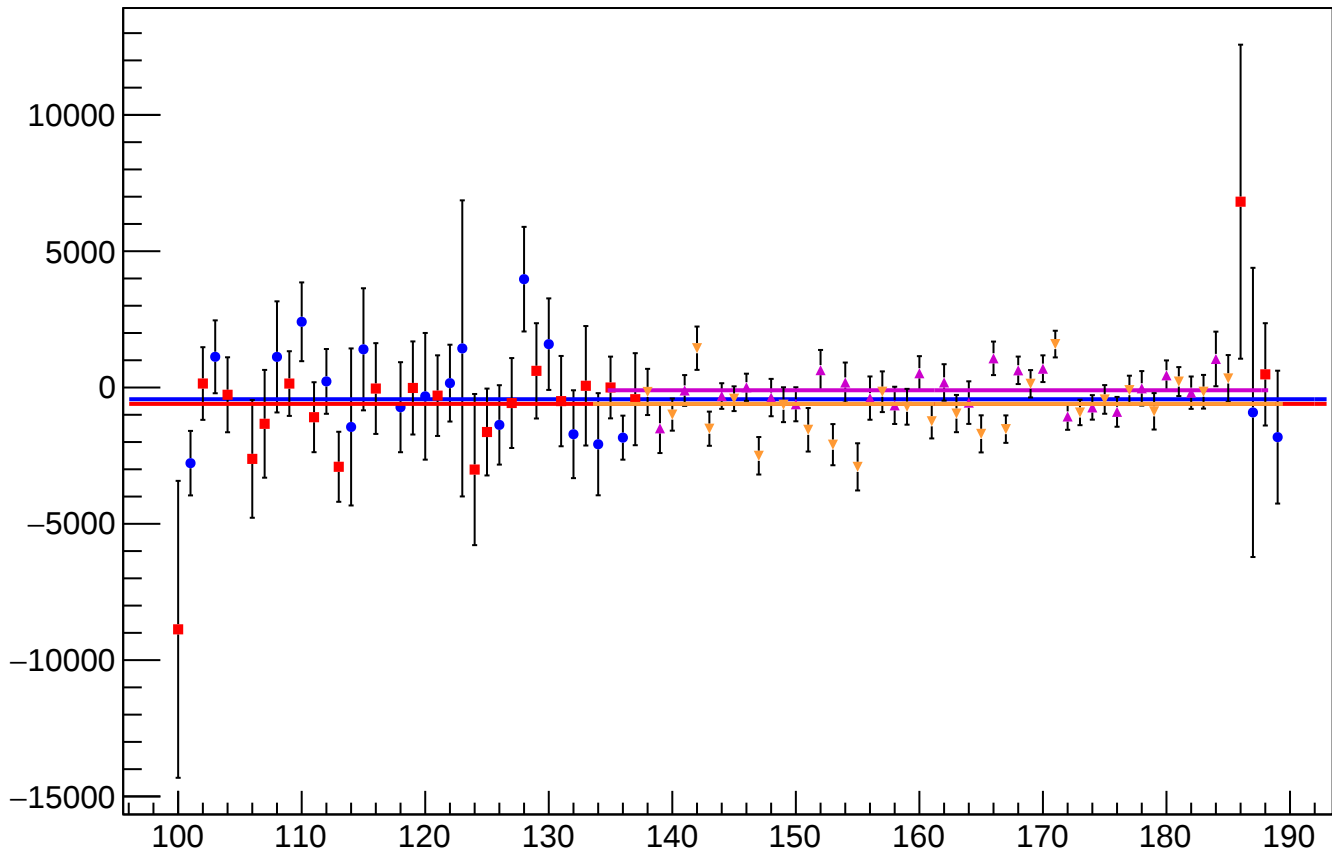
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 63.317 $\pm$ 0.009 χ^2 /NDF: 1480129.3/43

All: 63.895 $\pm$ 0.006 χ^2 /NDF: 3630124.3/87

- sign 64.503 $\pm$ 0.009 χ^2 /NDF: 2141560.8/43

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -429.606 ± 362.346 χ^2/NDF : 23.1/18

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -600.586 ± 355.424 χ^2/NDF : 11.8/20

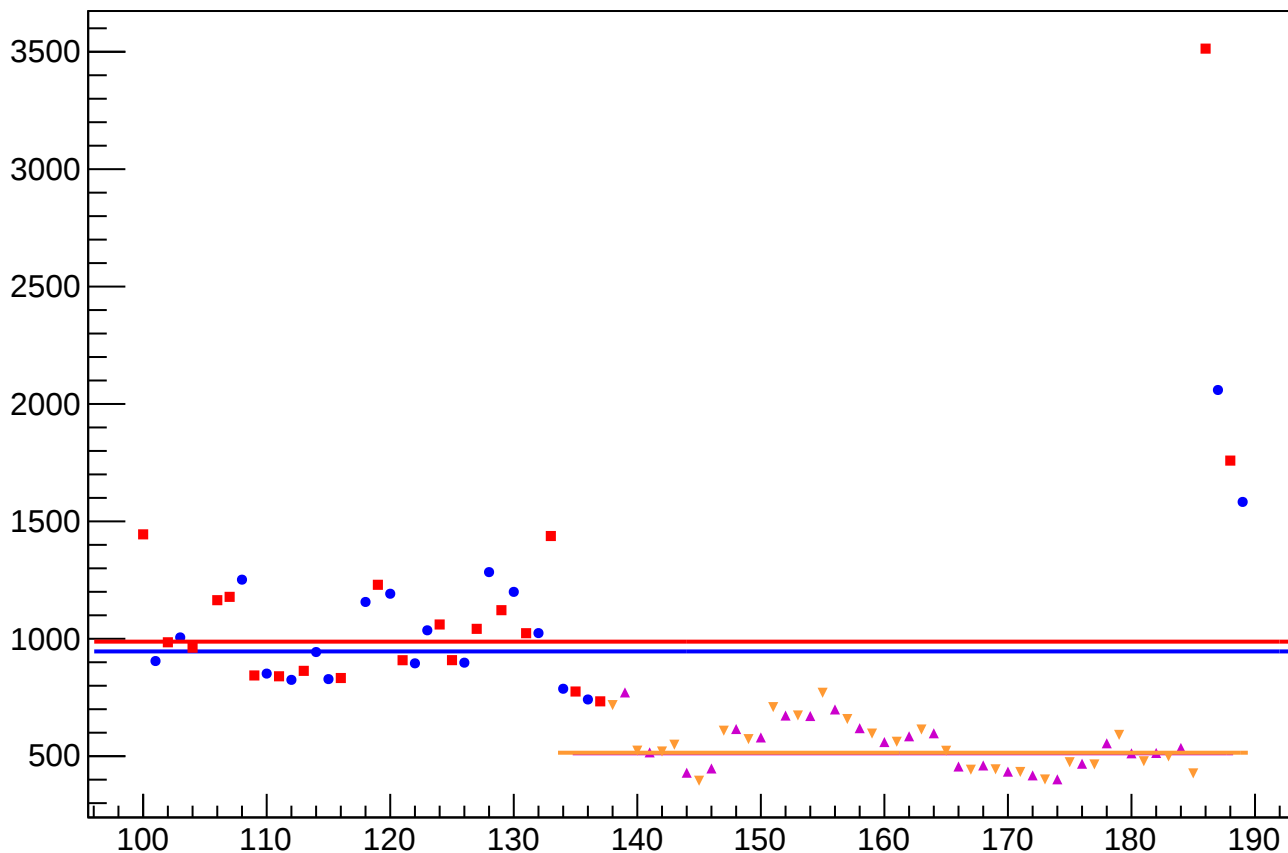
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -583.954 ± 115.723 χ^2/NDF : 88.7/43

All: -373.273 ± 82.515 χ^2/NDF : 134.4/87

- sign -155.373 ± 117.689 χ^2/NDF : 39.0/43

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 946.140 $\pm$ 0.256 χ^2 /NDF: 626268.6/18

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 987.796 $\pm$ 0.251 χ^2 /NDF: 1127997.4/20

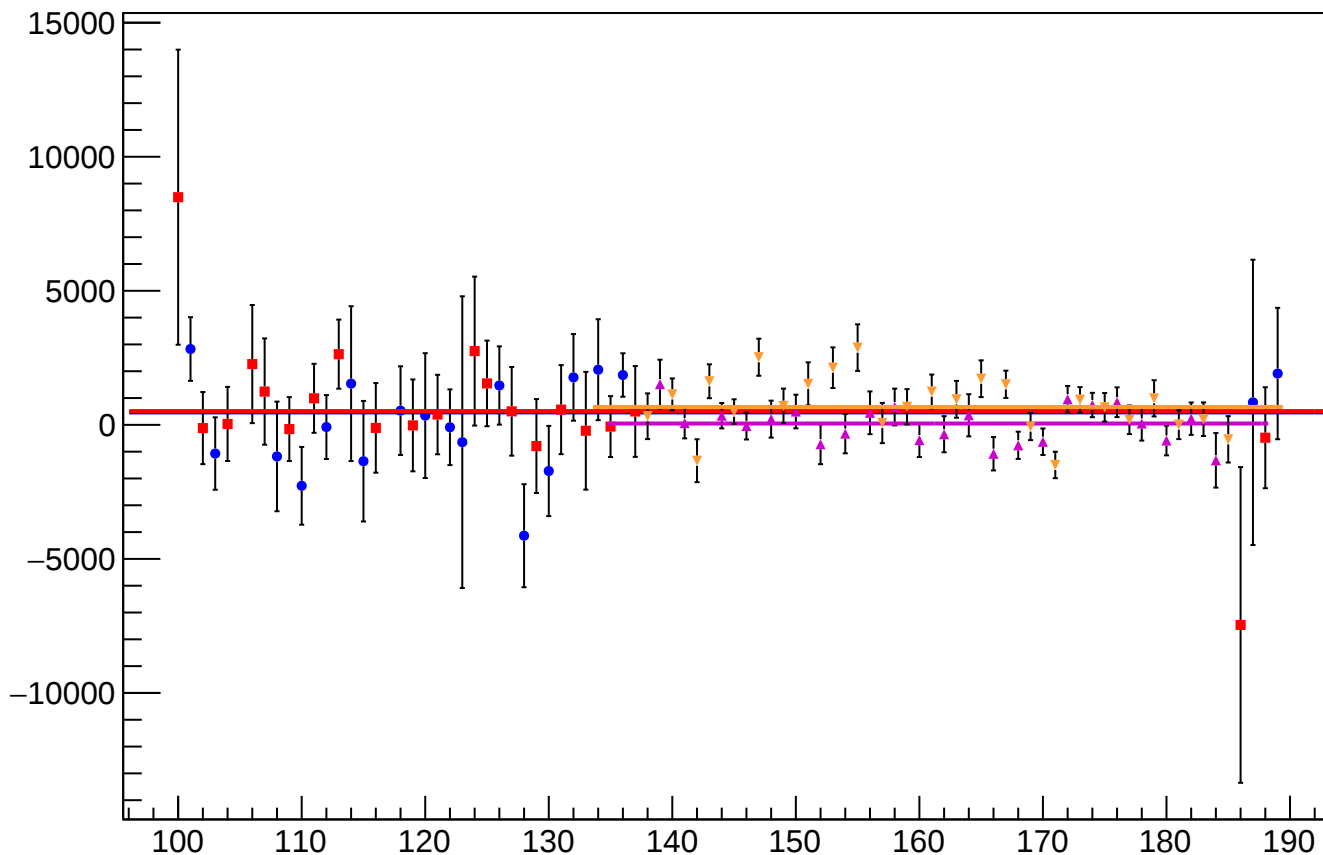
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 558.758 $\pm$ 0.082 χ^2 /NDF: 4366789.0/43

All: 561.504 $\pm$ 0.058 χ^2 /NDF: 9726823.9/87

- sign 564.344 $\pm$ 0.083 χ^2 /NDF: 5357743.8/43

asym_sam_12345678_avg_mean vs Slug



Right In: 463.944+/-363.596 χ^2/NDF : 23.2/18

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 514.466+/-356.859 χ^2/NDF : 10.7/20

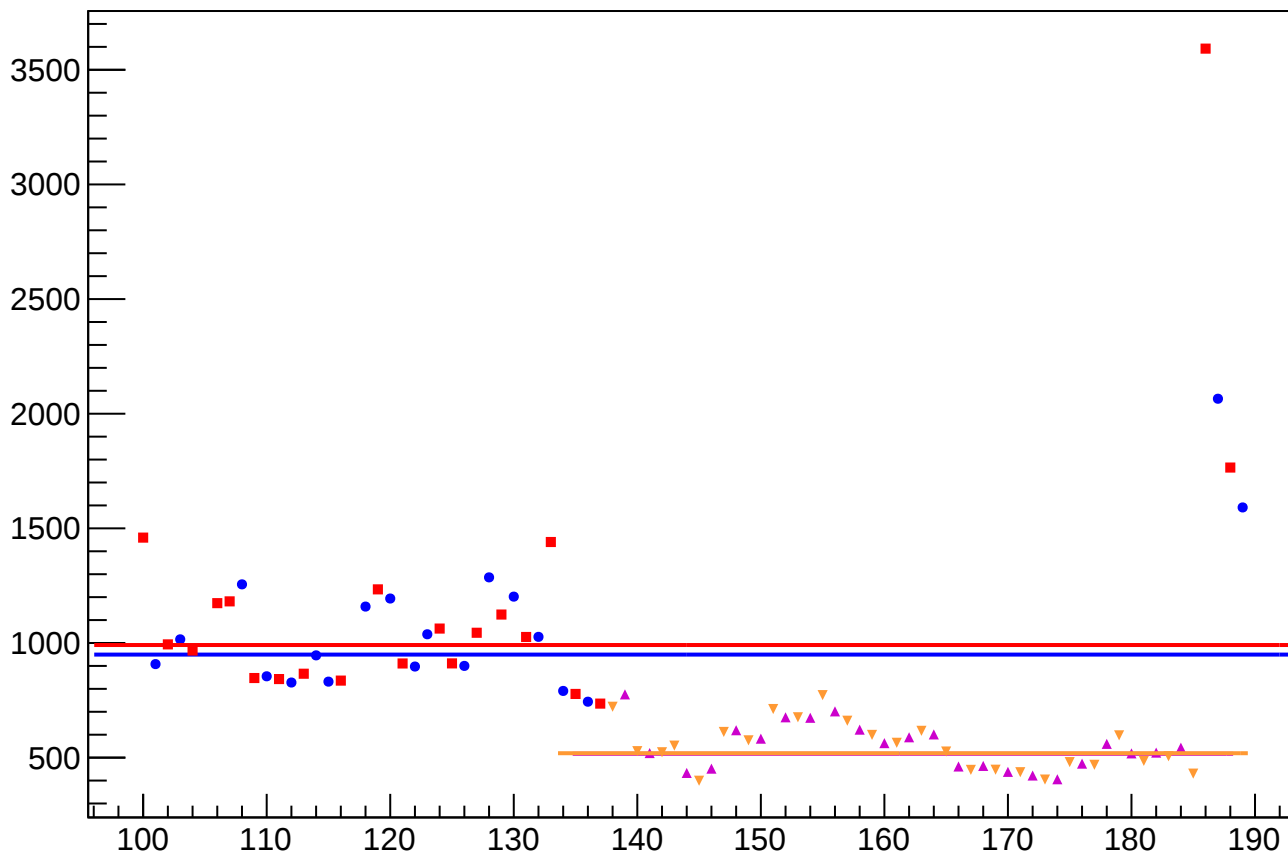
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 646.665+/-116.637 χ^2/NDF : 85.0/43

All: 378.697+/-83.177 χ^2/NDF : 134.1/87

- sign 101.413+/-118.648 χ^2/NDF : 38.3/43

asym_sam_12345678_avg_rms vs Slug



Right In: 949.432 $\pm$ 0.257 χ^2 /NDF: 626017.8/18

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF: 1172411.1/24

Right Out: 991.174 $\pm$ 0.252 χ^2 /NDF: 1134232.0/20

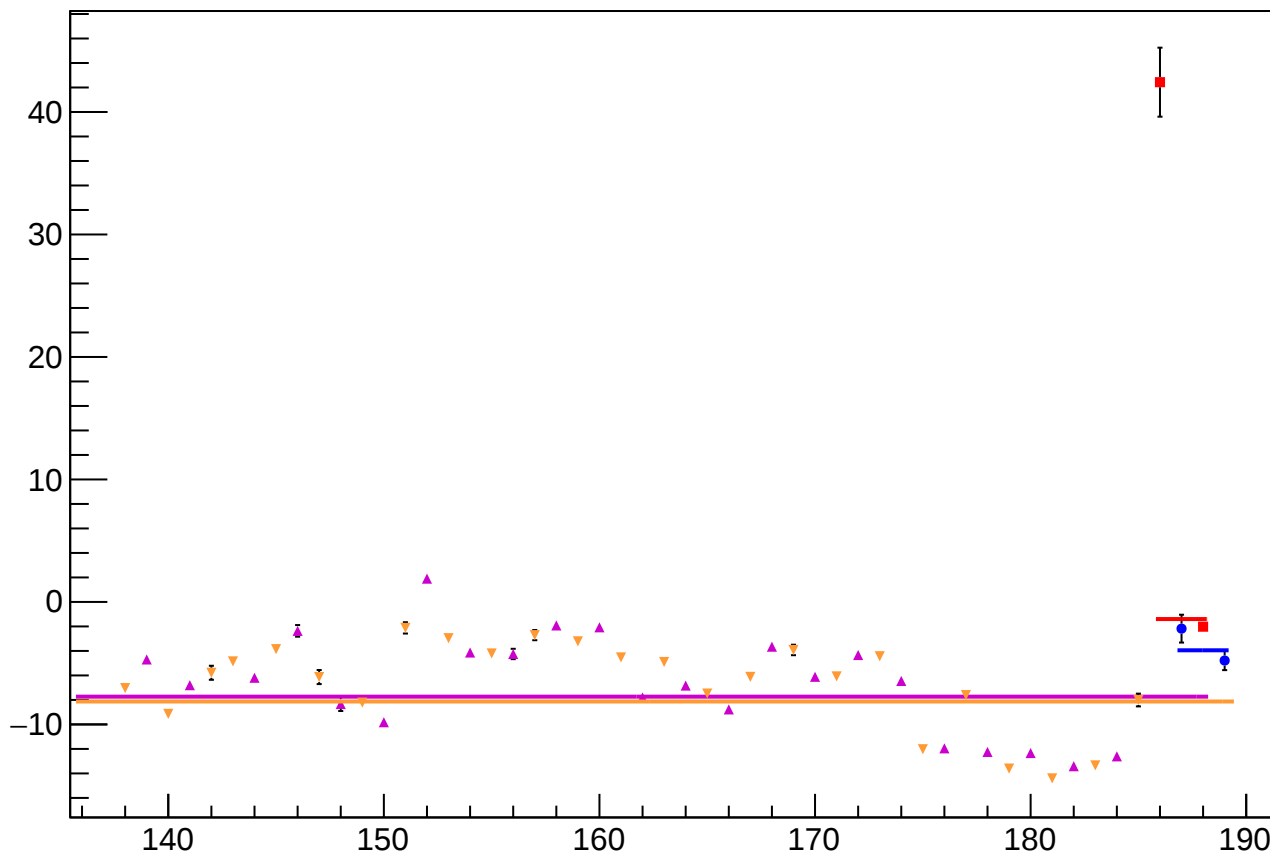
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF: 1021374.1/22

+ sign 563.522 $\pm$ 0.082 χ^2 /NDF: 4309891.5/43

All: 566.328 $\pm$ 0.059 χ^2 /NDF: 9611391.8/87

- sign 569.231 $\pm$ 0.084 χ^2 /NDF: 5299145.1/43

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.948 ± 0.644 χ^2/NDF : 3.6/1

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -1.397 ± 0.334 χ^2/NDF : 245.5/1

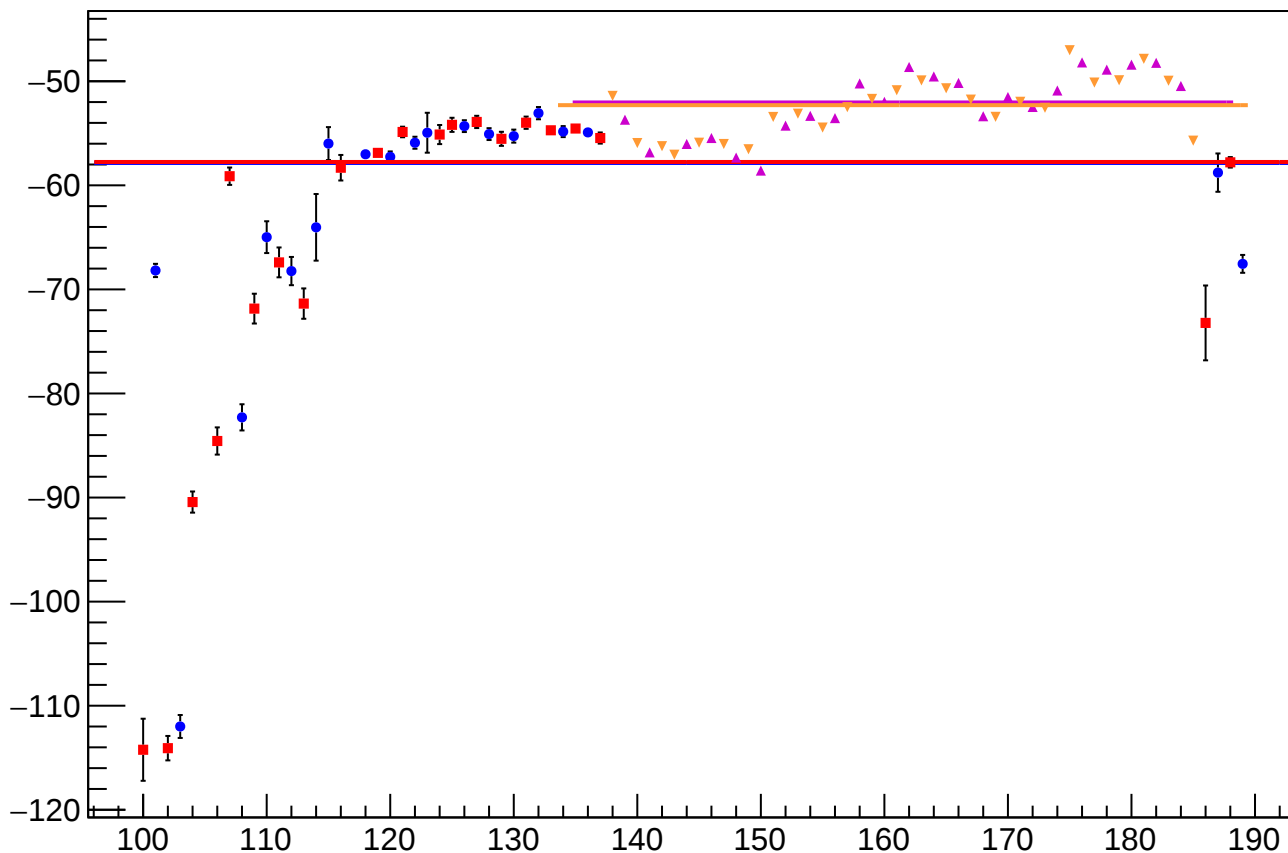
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -8.082 ± 0.067 χ^2/NDF : 3680.7/26

All: -7.780 ± 0.048 χ^2/NDF : 8032.0/51

- sign -7.473 ± 0.067 χ^2/NDF : 4310.3/24

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.849 ± 0.141 χ^2/NDF : 3589.6/18

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -57.755 ± 0.138 χ^2/NDF : 4719.1/20

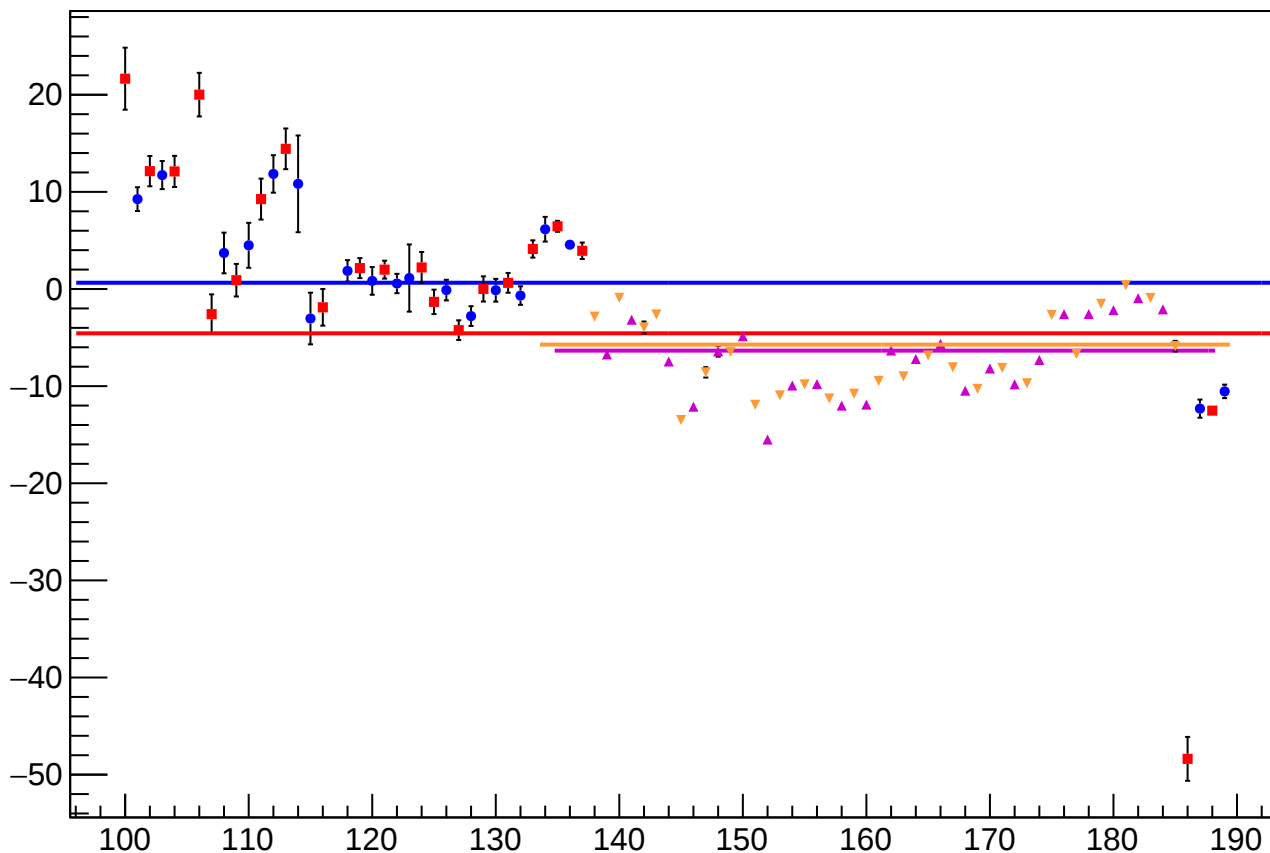
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.033 ± 0.051 χ^2/NDF : 7595.5/43

All: -52.958 ± 0.037 χ^2/NDF : 16971.5/87

- sign -52.879 ± 0.053 χ^2/NDF : 9371.6/43

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 0.646 ± 0.235 χ^2/NDF : 733.2/18

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -4.562 ± 0.190 χ^2/NDF : 2514.5/20

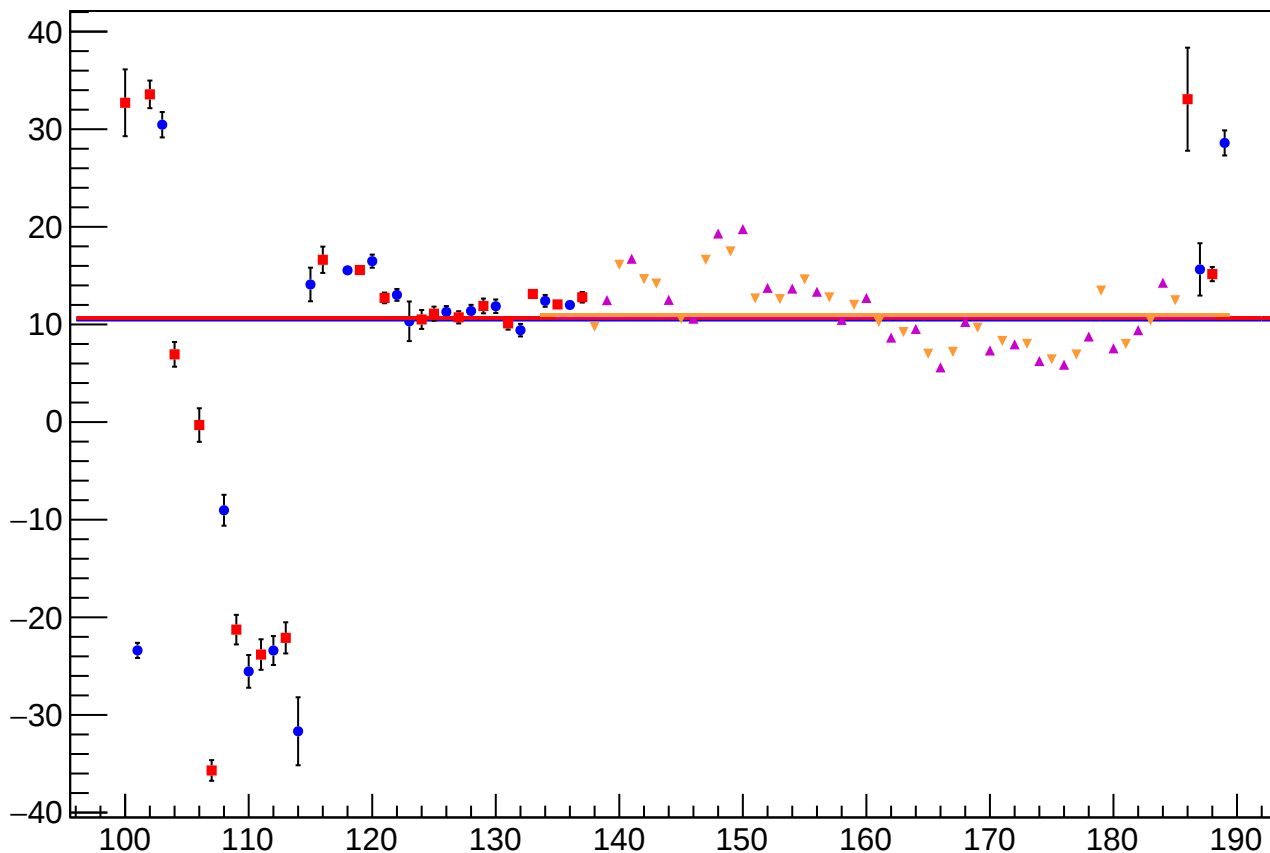
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -5.236 ± 0.065 χ^2/NDF : 5393.7/43

All: -5.690 ± 0.046 χ^2/NDF : 11466.8/87

- sign -6.139 ± 0.065 χ^2/NDF : 5975.8/43

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.505 $\pm$ 0.157 χ^2 /NDF: 3884.9/18

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 10.660 $\pm$ 0.156 χ^2 /NDF: 3884.5/20

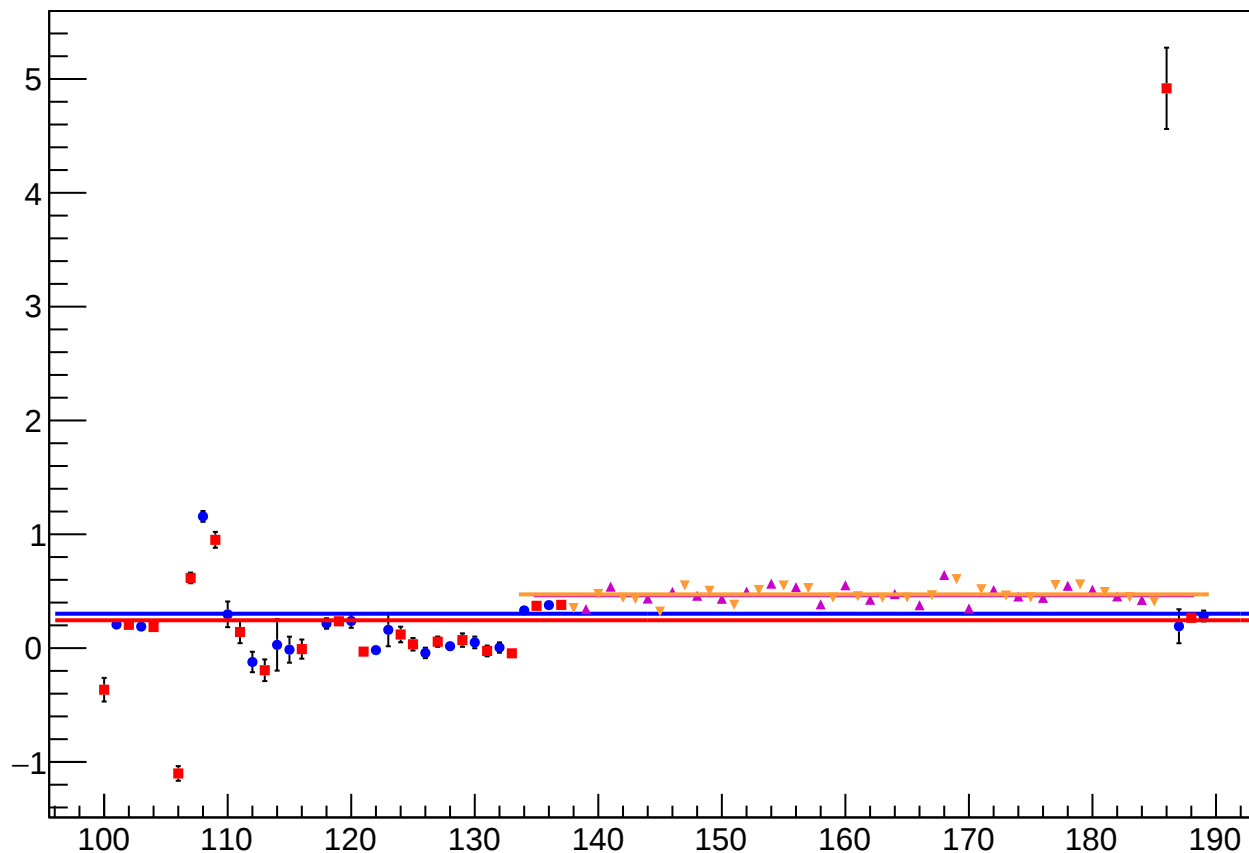
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 10.906 $\pm$ 0.057 χ^2 /NDF: 6530.1/43

All: 10.850 $\pm$ 0.041 χ^2 /NDF: 13964.2/87

- sign 10.792 $\pm$ 0.059 χ^2 /NDF: 7432.2/43

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.302 ± 0.008 χ^2/NDF : 647.9/18

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.245 ± 0.008 χ^2/NDF : 1155.1/20

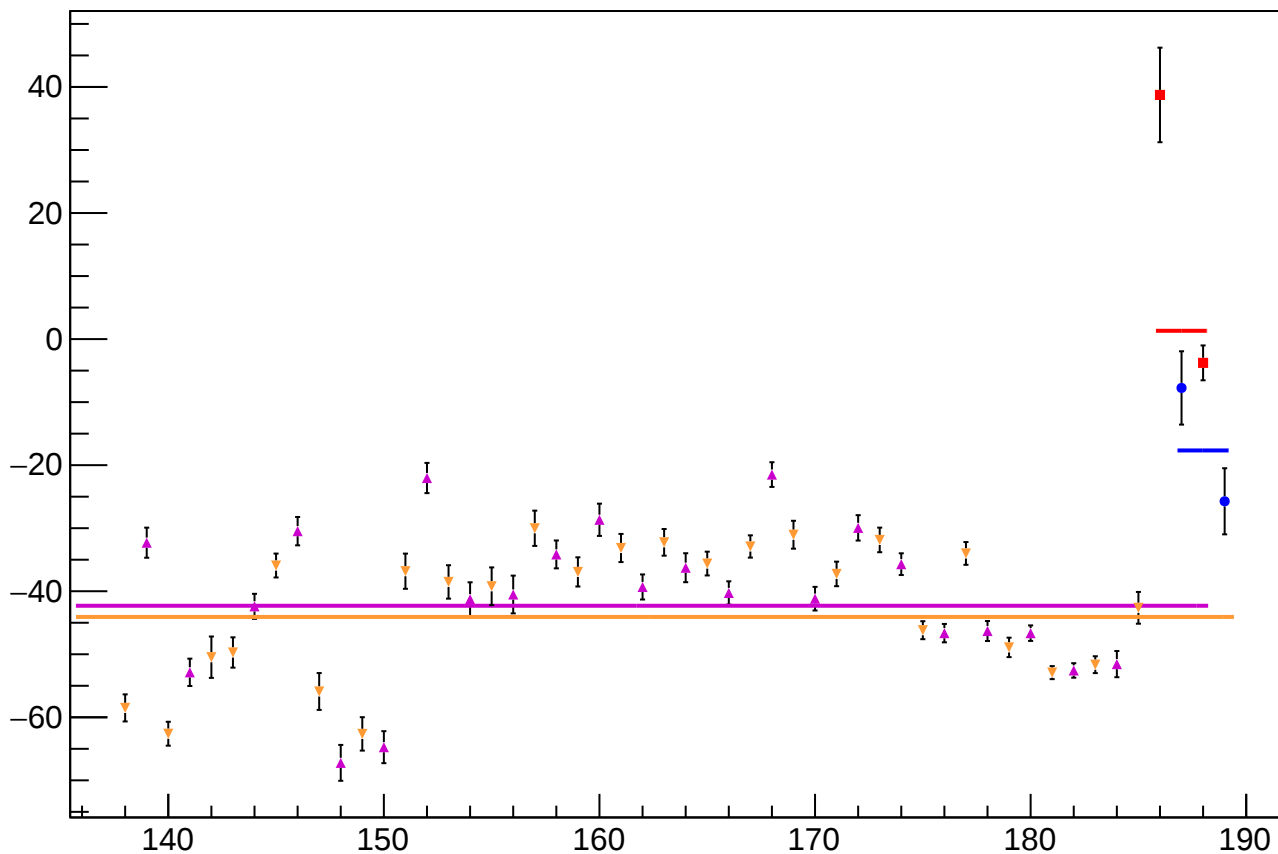
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.454 ± 0.003 χ^2/NDF : 1562.7/43

All: 0.448 ± 0.002 χ^2/NDF : 4098.7/87

- sign 0.442 ± 0.003 χ^2/NDF : 2524.3/43

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -17.666 ± 3.894 χ^2/NDF : 5.3/1

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: 1.316 ± 2.595 χ^2/NDF : 28.3/1

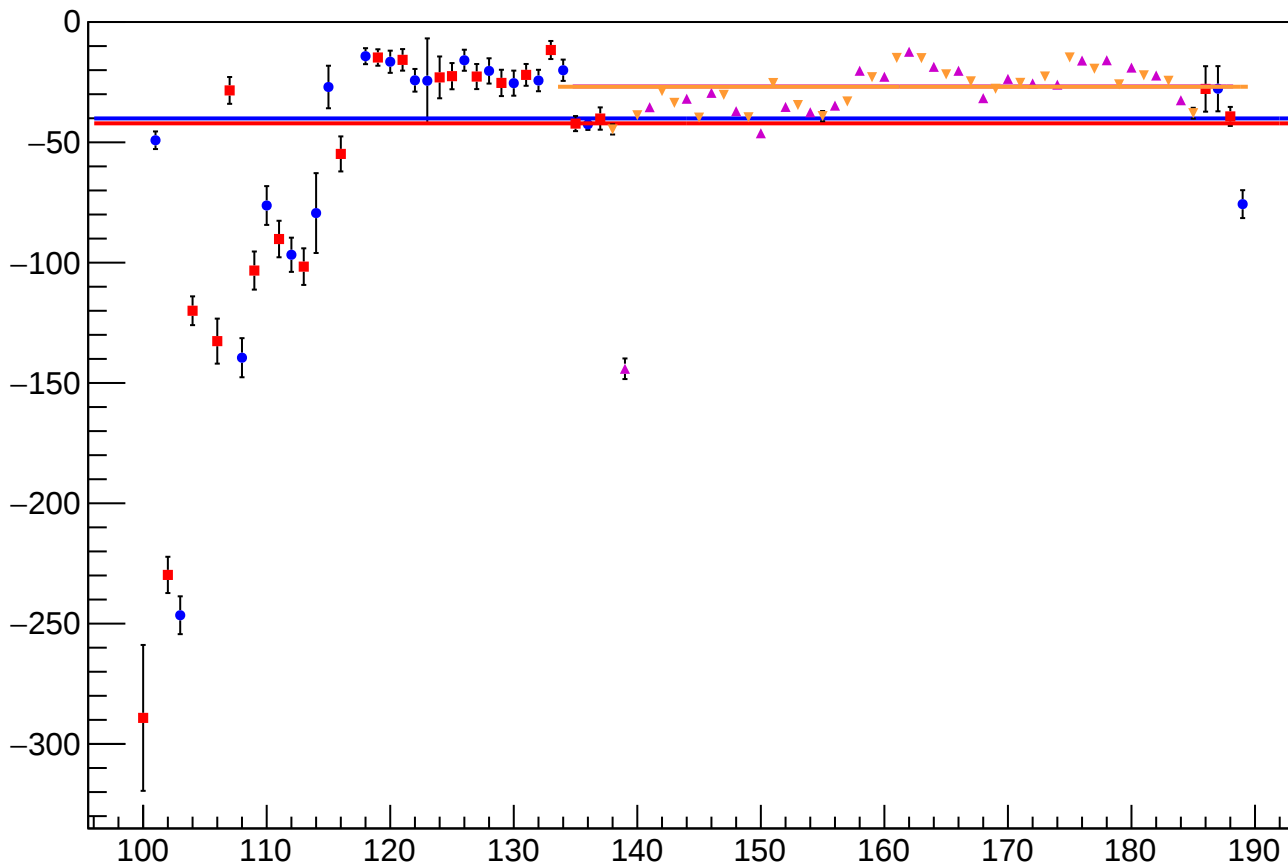
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.817 ± 0.387 χ^2/NDF : 683.4/26

All: -42.581 ± 0.276 χ^2/NDF : 1649.2/51

- sign -41.295 ± 0.395 χ^2/NDF : 945.0/24

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -40.067 ± 1.120 χ^2/NDF : 1162.3/18

Left Out: -26.902 ± 0.316 χ^2/NDF : 631.0/24

Right Out: -42.109 ± 1.150 χ^2/NDF : 1348.6/20

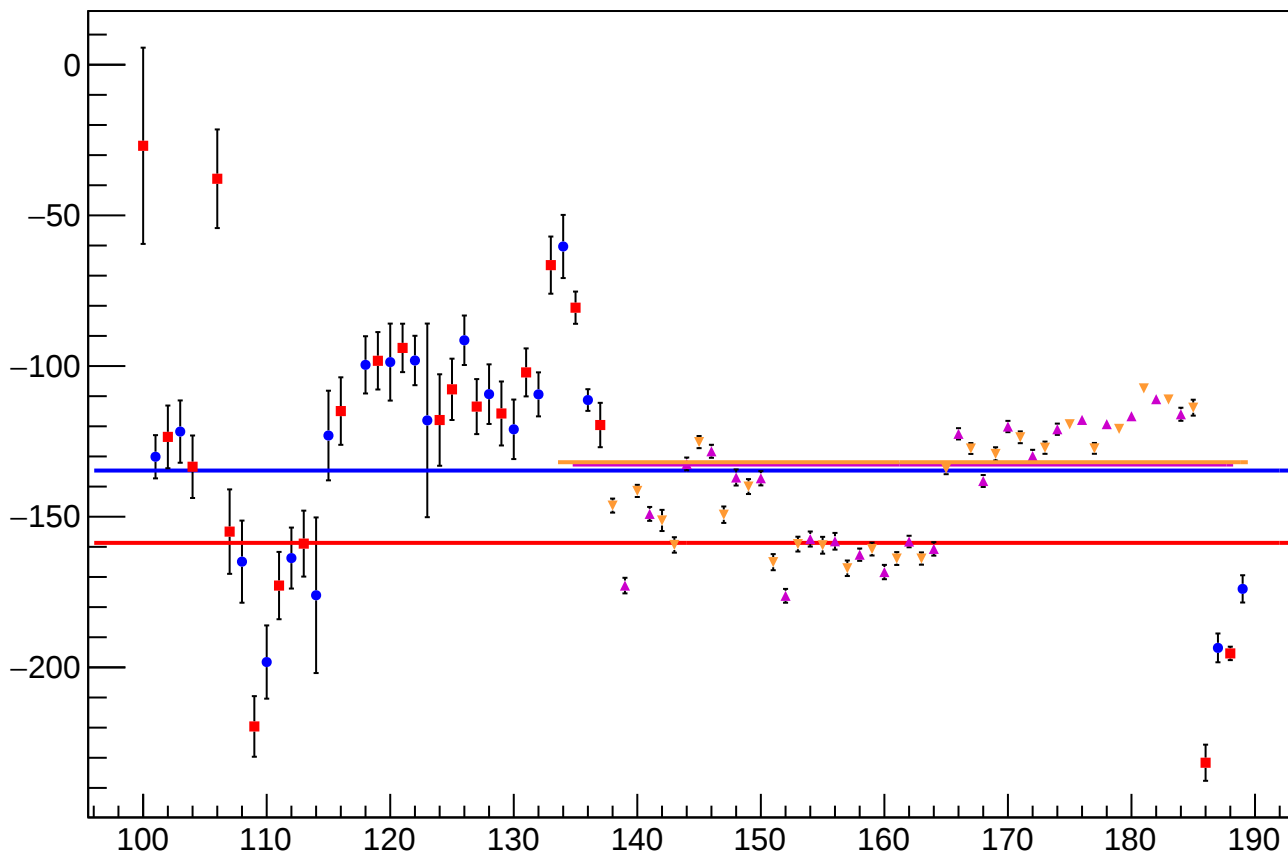
Left In: -26.774 ± 0.326 χ^2/NDF : 1394.5/22

+ sign -27.875 ± 0.304 χ^2/NDF : 1921.3/43

All: -27.895 ± 0.219 χ^2/NDF : 4829.1/87

- sign -27.917 ± 0.314 χ^2/NDF : 2907.8/43

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -134.680 ± 1.760 χ^2/NDF : 455.2/18

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -158.681 ± 1.519 χ^2/NDF : 1125.0/20

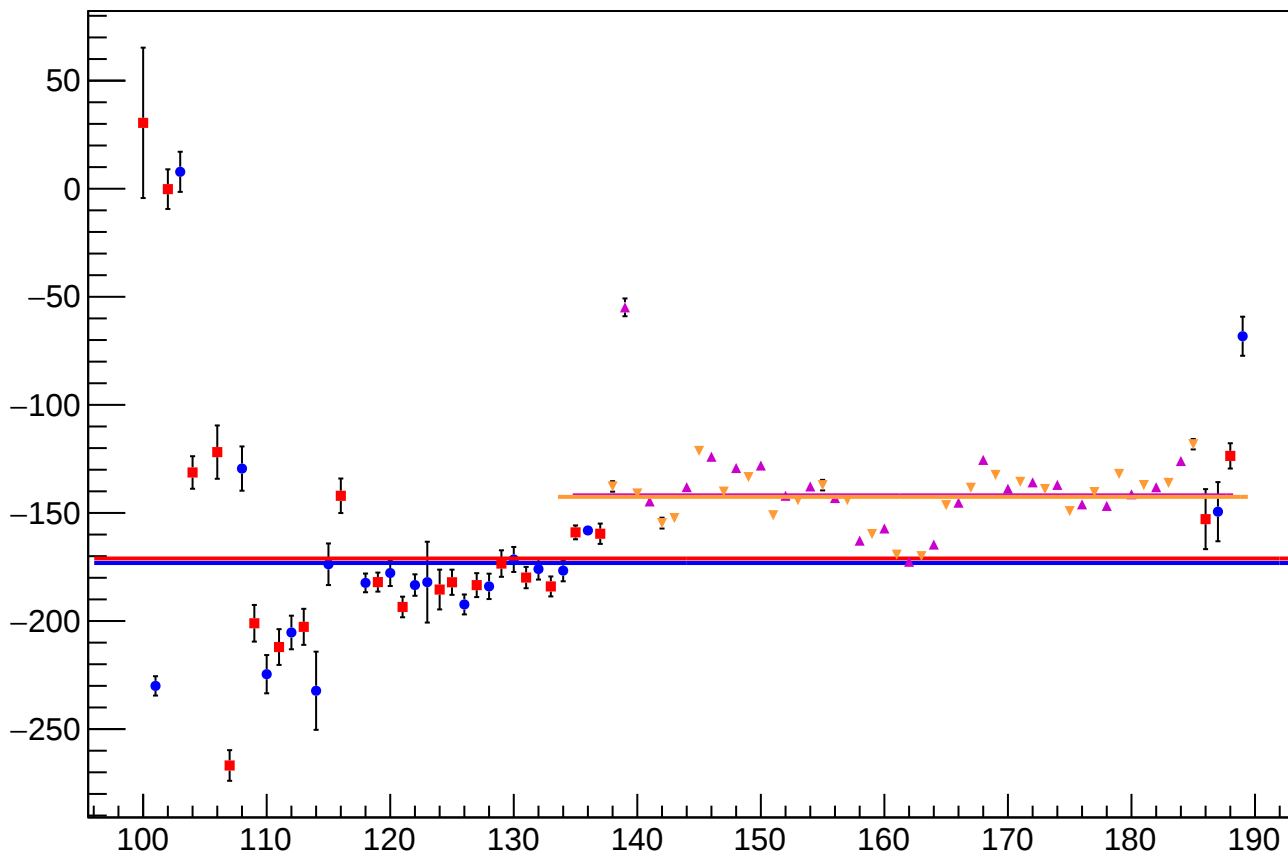
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -132.043 ± 0.382 χ^2/NDF : 2896.9/43

All: -133.194 ± 0.272 χ^2/NDF : 6794.2/87

- sign -134.370 ± 0.386 χ^2/NDF : 3879.0/43

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -173.170+/-1.261 χ^2/NDF : 832.1/18

Left Out: -142.564+/-0.354 χ^2/NDF : 1147.7/24

Right Out: -171.075+/-1.318 χ^2/NDF : 809.5/20

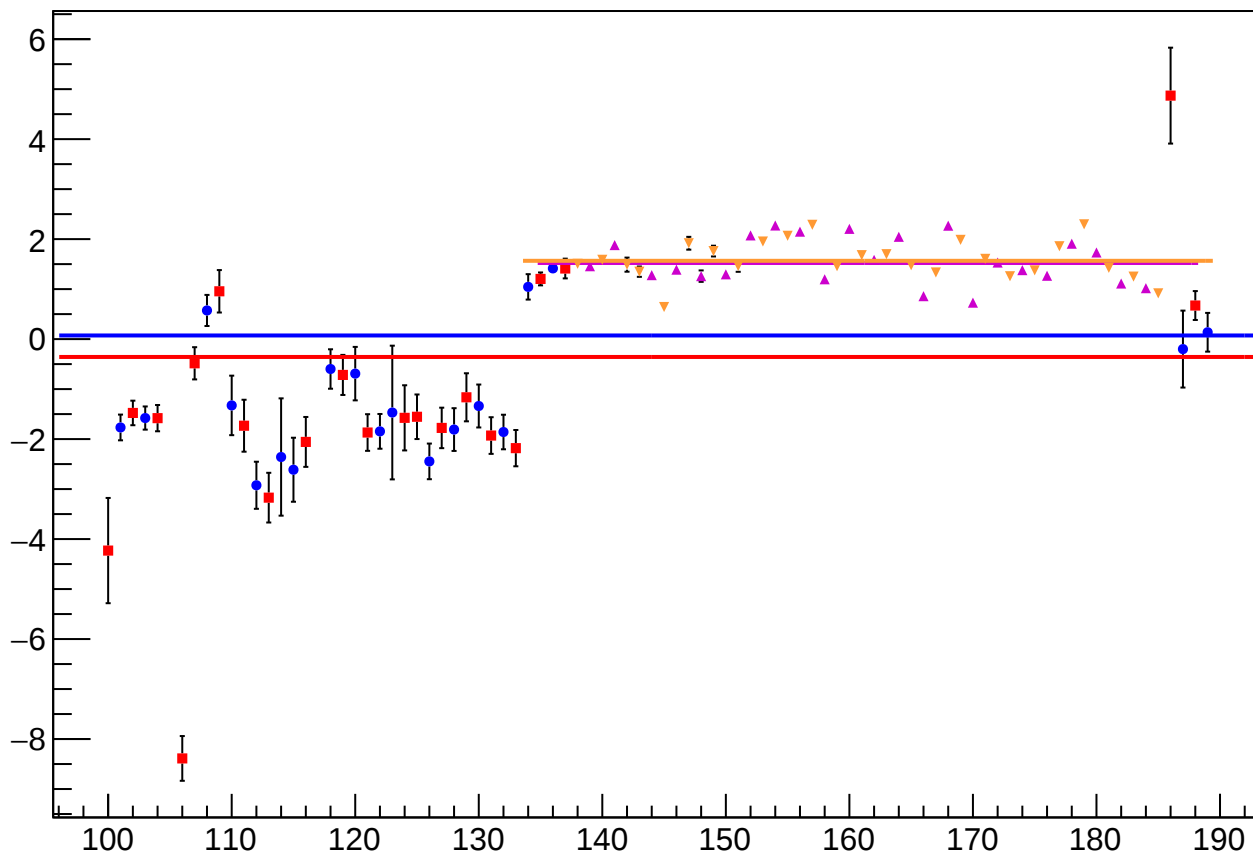
Left In: -141.856+/-0.364 χ^2/NDF : 1544.3/22

+ sign -144.801+/-0.341 χ^2/NDF : 2526.1/43

All: -144.376+/-0.244 χ^2/NDF : 5340.0/87

- sign -143.926+/-0.351 χ^2/NDF : 2810.7/43

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.073 ± 0.066 χ^2/NDF : 525.3/18

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: -0.357 ± 0.069 χ^2/NDF : 794.7/20

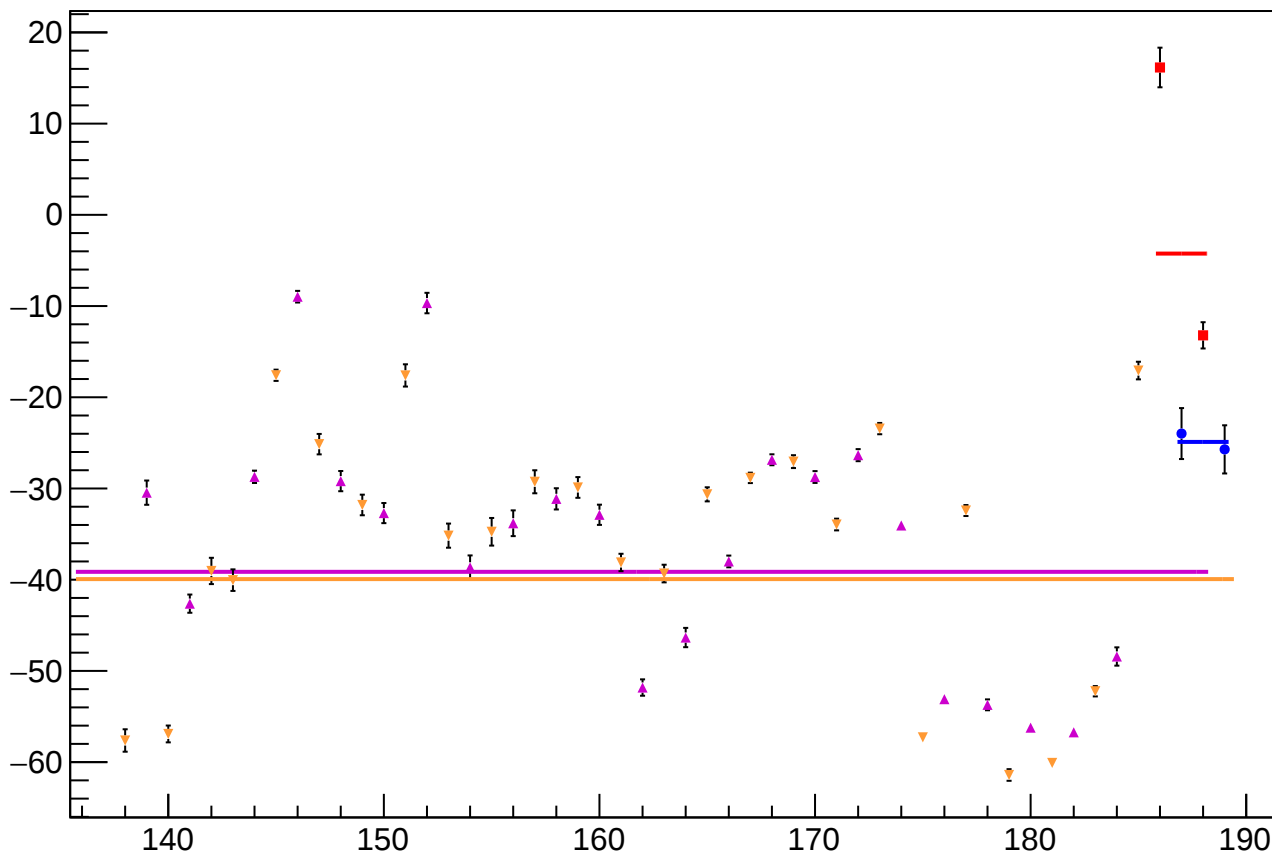
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.481 ± 0.016 χ^2/NDF : 1551.8/43

All: 1.452 ± 0.011 χ^2/NDF : 3791.8/87

- sign 1.421 ± 0.016 χ^2/NDF : 2232.9/43

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -24.895 ± 1.919 $\chi^2/\text{NDF}: 0.2/1$

Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$

Right Out: -4.248 ± 1.200 $\chi^2/\text{NDF}: 127.0/1$

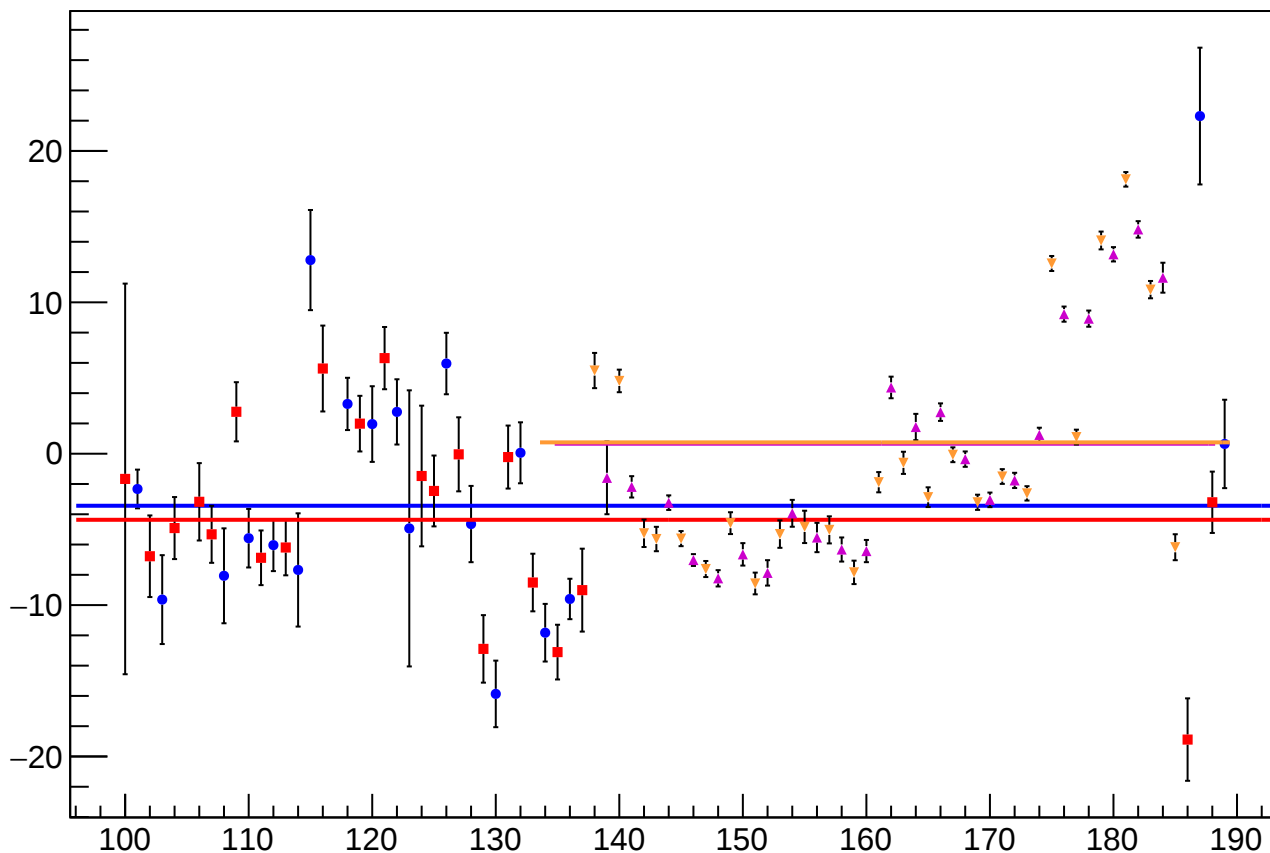
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -39.840 ± 0.153 $\chi^2/\text{NDF}: 9867.8/26$

All: -39.206 ± 0.108 $\chi^2/\text{NDF}: 19395.2/51$

- sign -38.567 ± 0.153 $\chi^2/\text{NDF}: 9492.9/24$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.438 ± 0.489 χ^2/NDF : 196.1/18

Left Out: 0.749 ± 0.124 χ^2/NDF : 3970.9/24

Right Out: -4.365 ± 0.484 χ^2/NDF : 151.5/20

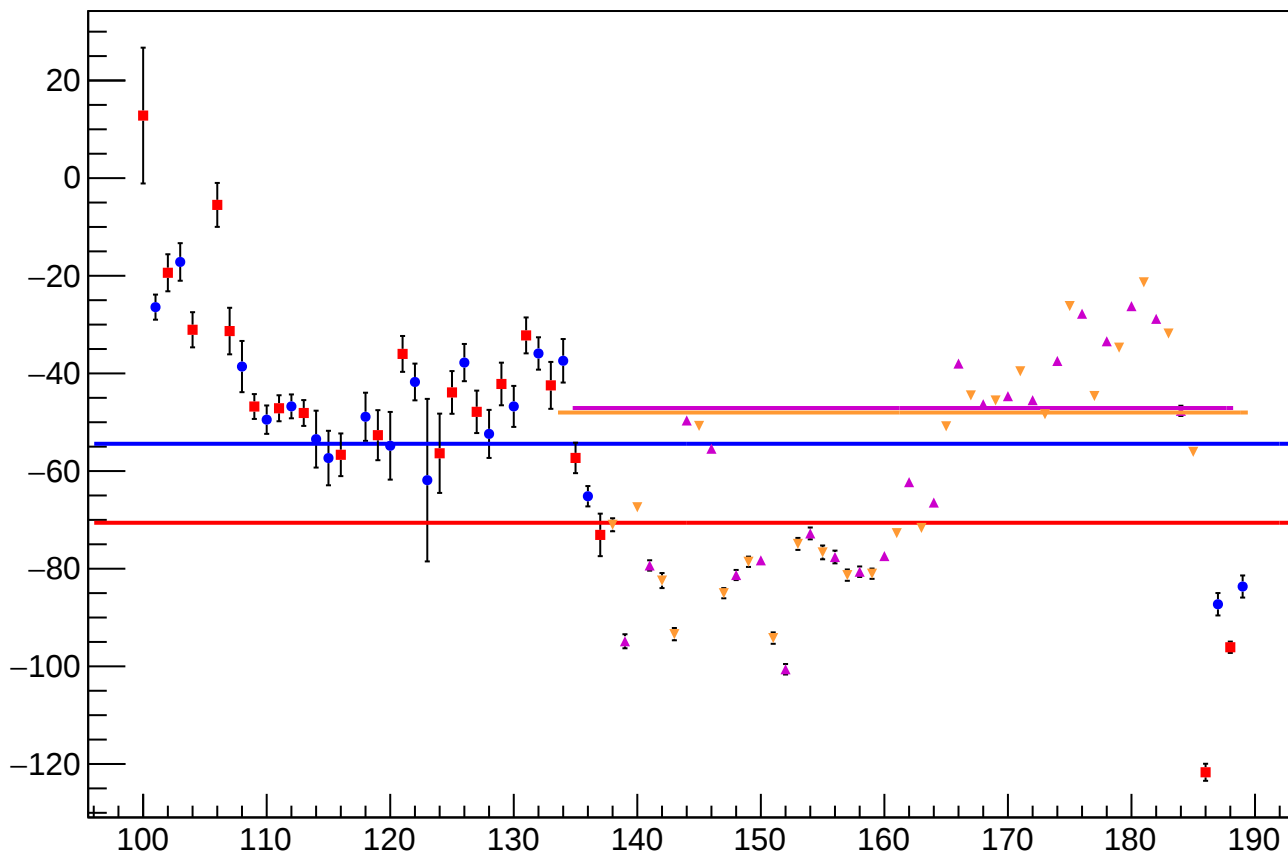
Left In: 0.660 ± 0.124 χ^2/NDF : 3337.8/22

+ sign 0.496 ± 0.120 χ^2/NDF : 4235.8/43

All: 0.423 ± 0.085 χ^2/NDF : 7826.8/87

- sign 0.350 ± 0.120 χ^2/NDF : 3590.3/43

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -54.410 ± 0.776 χ^2/NDF : 713.5/18

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -70.591 ± 0.650 χ^2/NDF : 2577.5/20

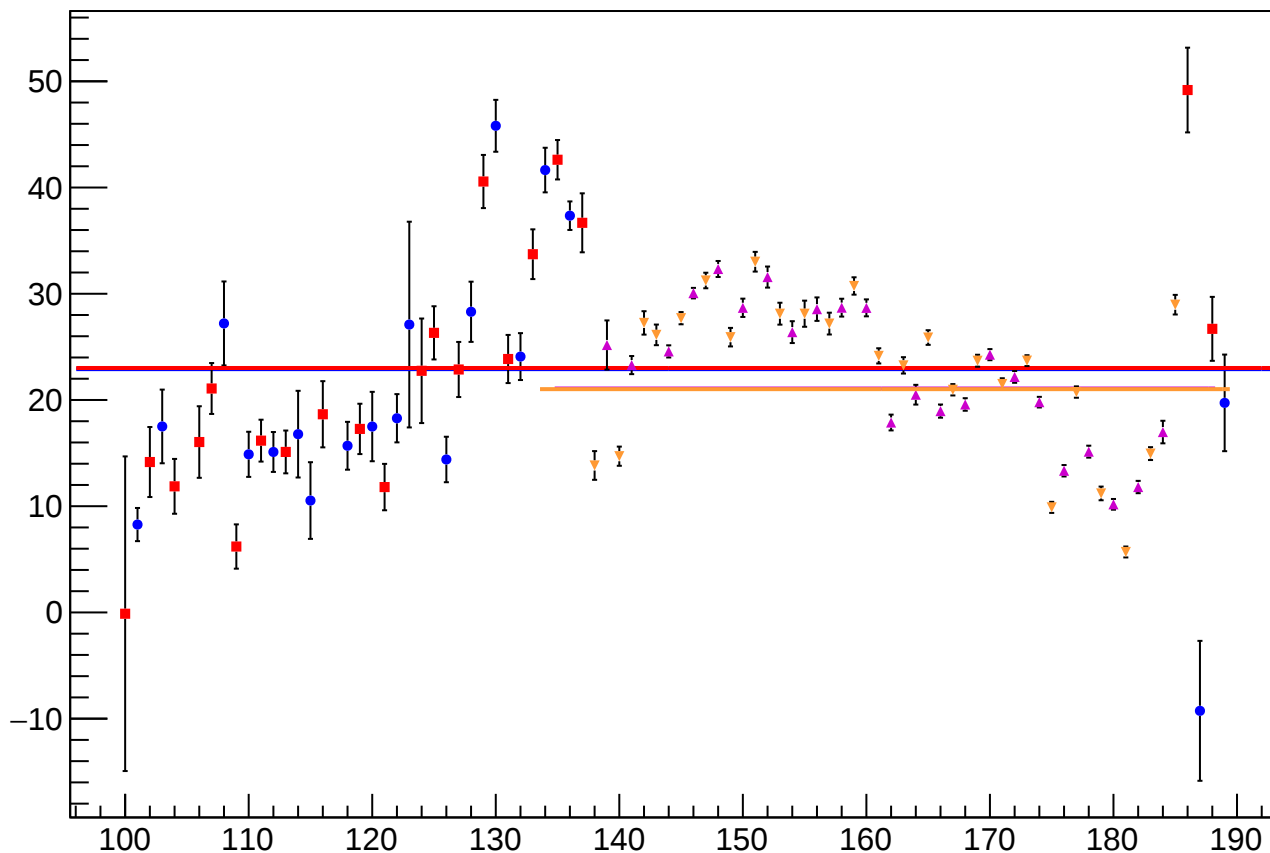
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.252 ± 0.152 χ^2/NDF : 17729.0/43

All: -48.304 ± 0.107 χ^2/NDF : 37058.5/87

- sign -48.354 ± 0.151 χ^2/NDF : 19329.2/43

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.904 $\pm$ 0.554 χ^2 /NDF: 481.5/18

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF: 2799.3/24

Right Out: 23.012 $\pm$ 0.558 χ^2 /NDF: 412.2/20

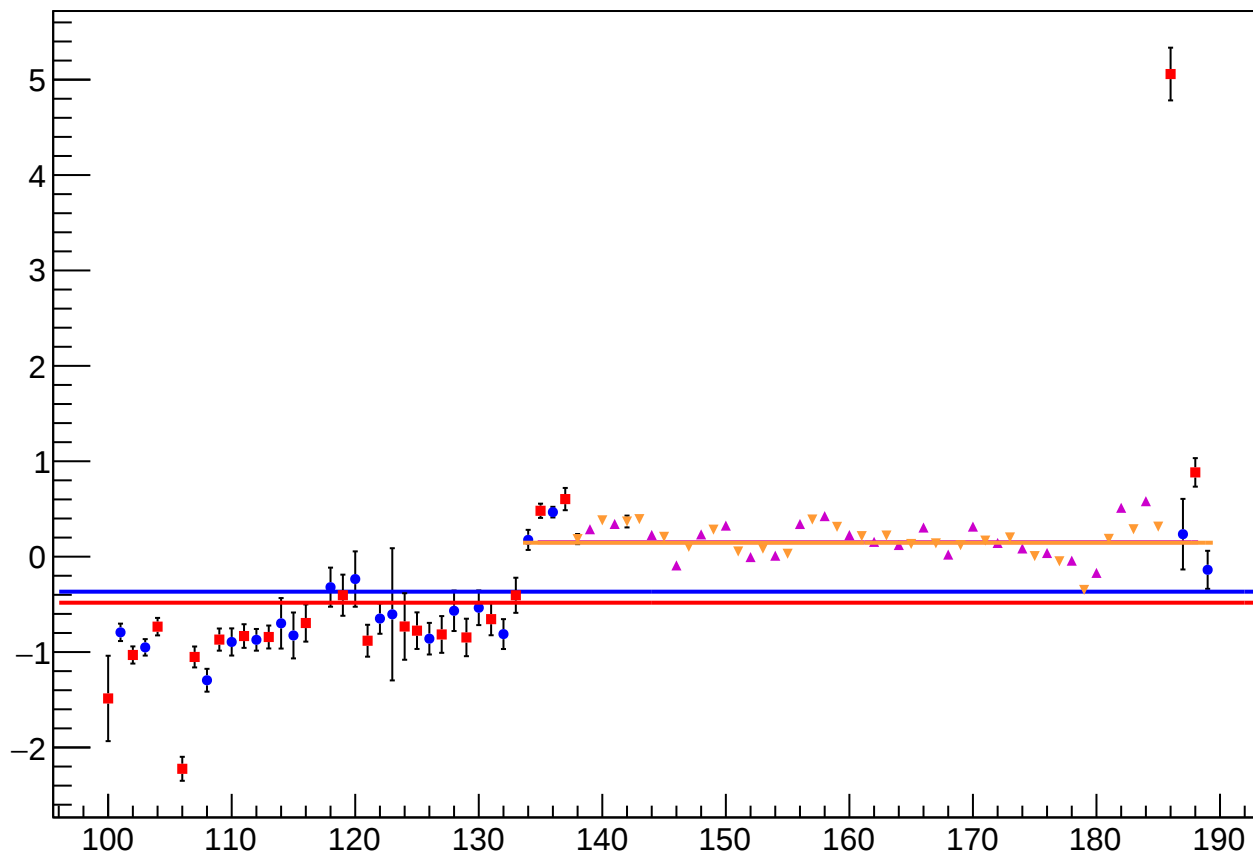
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF: 2173.2/22

+ sign 21.131 $\pm$ 0.135 χ^2 /NDF: 3291.7/43

All: 21.162 $\pm$ 0.095 χ^2 /NDF: 5888.6/87

- sign 21.193 $\pm$ 0.135 χ^2 /NDF: 2596.7/43

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.367 ± 0.030 χ^2/NDF : 441.7/18

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.483 ± 0.029 χ^2/NDF : 1052.9/20

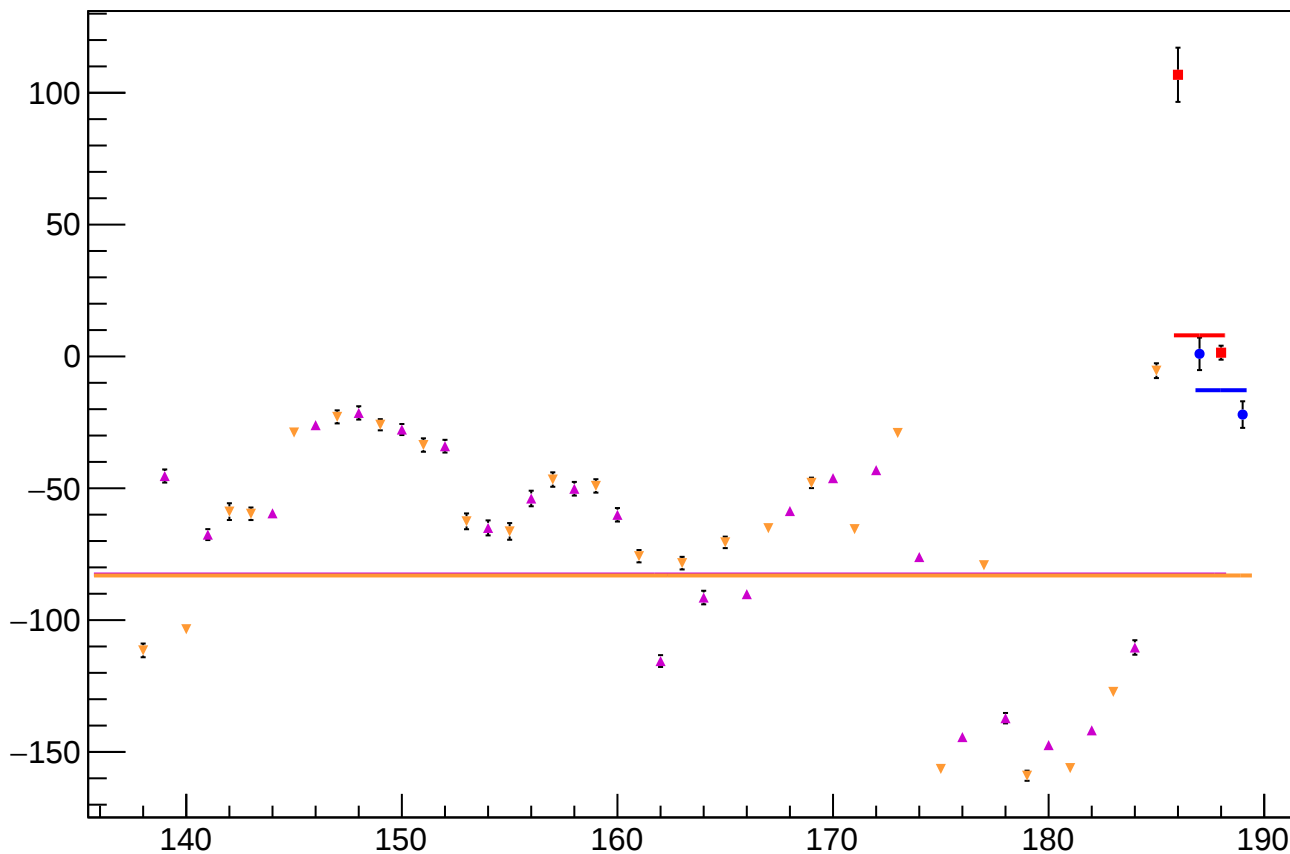
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.124 ± 0.006 χ^2/NDF : 1337.2/43

All: 0.123 ± 0.004 χ^2/NDF : 3701.1/87

- sign 0.123 ± 0.006 χ^2/NDF : 2363.9/43

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -12.810 ± 3.903 χ^2/NDF : 8.4/1

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: 8.006 ± 2.569 χ^2/NDF : 98.5/1

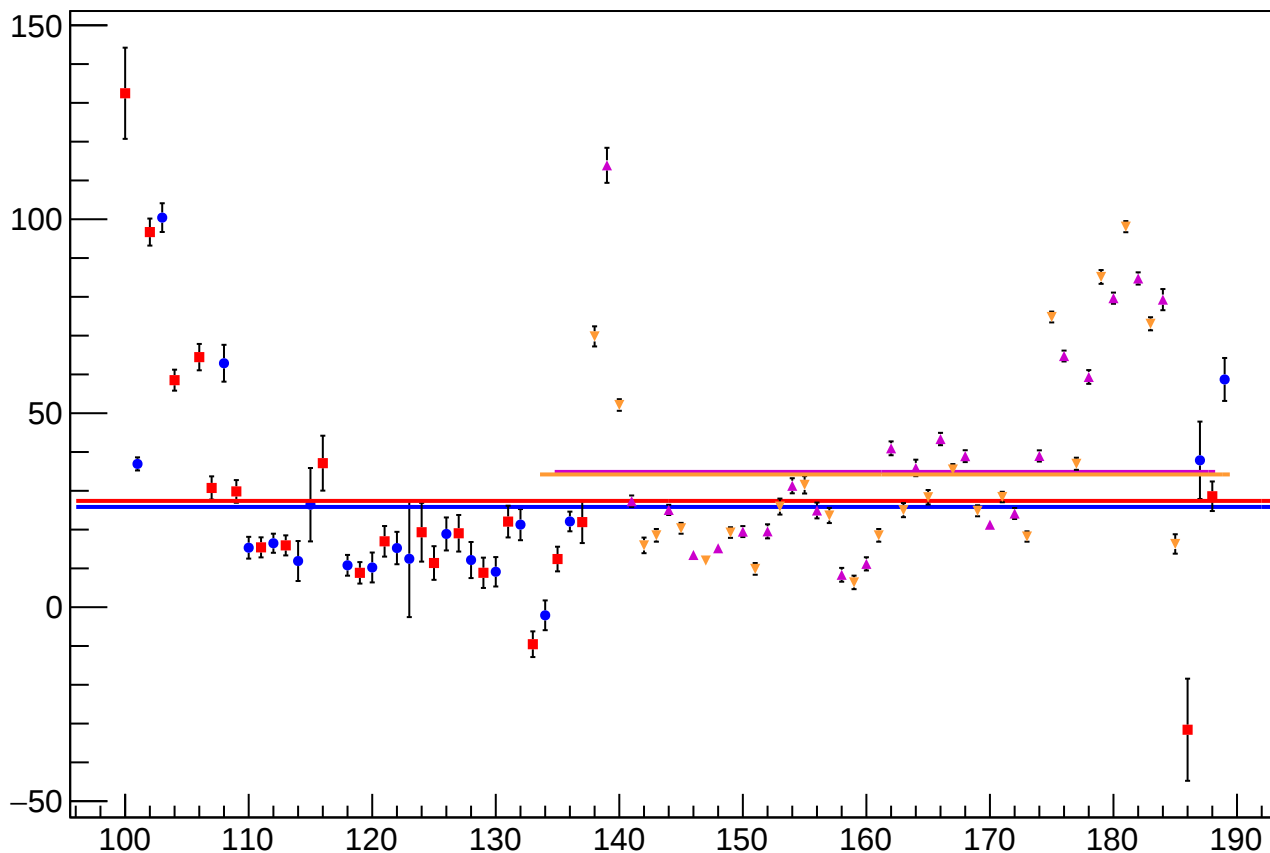
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -82.315 ± 0.404 χ^2/NDF : 14146.3/26

All: -81.372 ± 0.288 χ^2/NDF : 26312.6/51

- sign -80.402 ± 0.410 χ^2/NDF : 12155.3/24

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.841 ± 0.797 $\chi^2/\text{NDF}: 724.1/18$

Left Out: 34.219 ± 0.320 $\chi^2/\text{NDF}: 6192.6/24$

Right Out: 27.398 ± 0.792 $\chi^2/\text{NDF}: 1033.8/20$

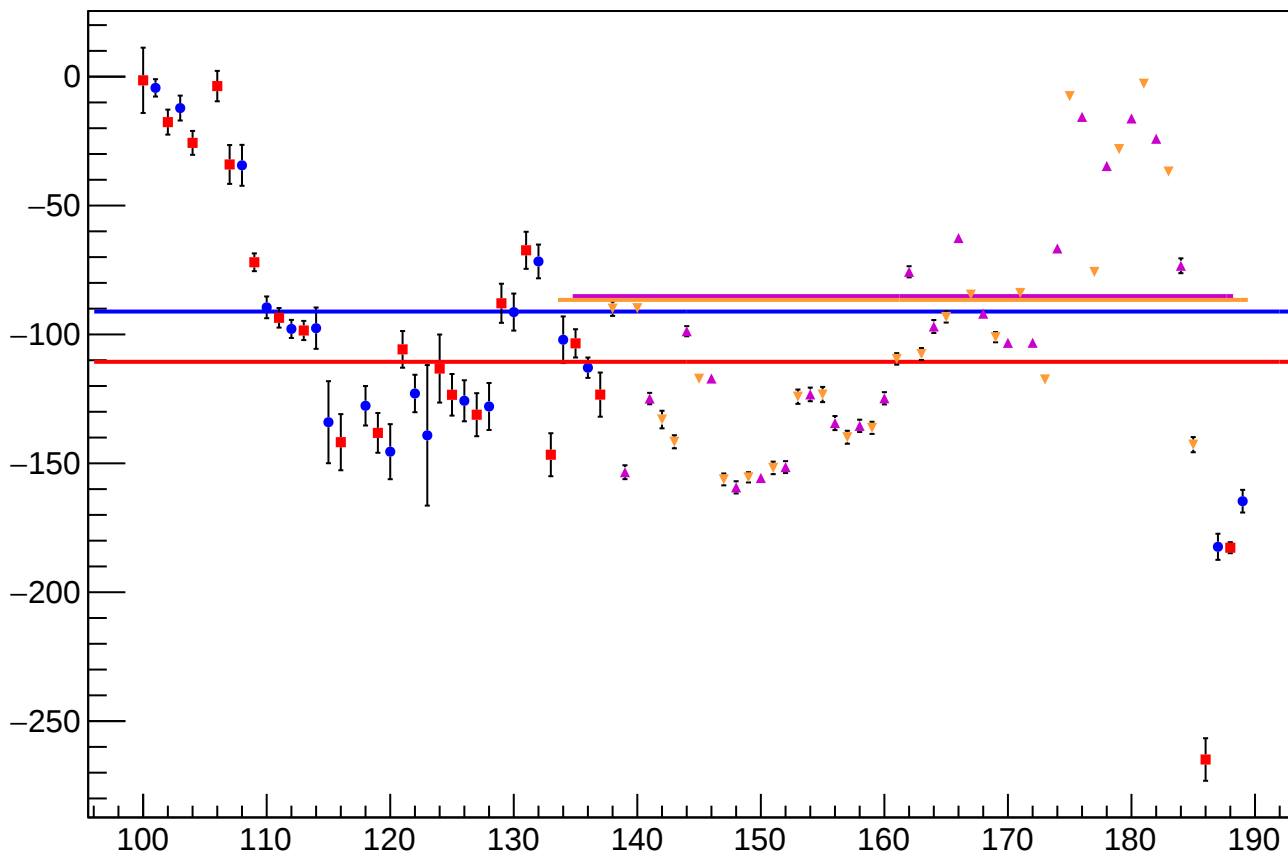
Left In: 34.870 ± 0.329 $\chi^2/\text{NDF}: 4716.1/22$

+ sign 33.053 ± 0.297 $\chi^2/\text{NDF}: 7011.9/43$

All: 33.402 ± 0.212 $\chi^2/\text{NDF}: 12840.6/87$

- sign 33.768 ± 0.304 $\chi^2/\text{NDF}: 5825.9/43$

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -91.118 ± 1.305 χ^2/NDF : 1744.1/18

Left Out: -86.595 ± 0.408 χ^2/NDF : 14515.7/24

Right Out: -110.622 ± 1.134 χ^2/NDF : 2942.7/20

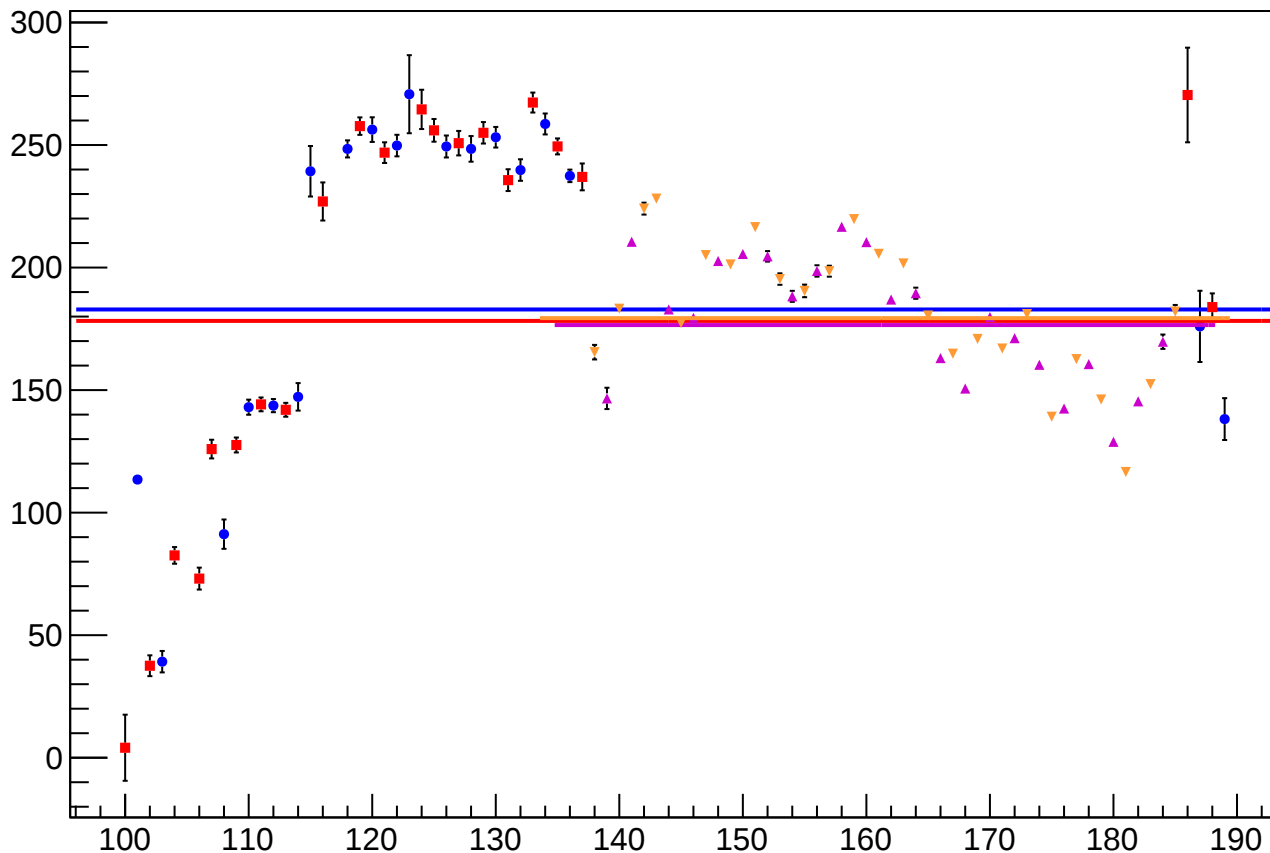
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -86.999 ± 0.390 χ^2/NDF : 16270.7/43

All: -87.572 ± 0.276 χ^2/NDF : 32504.5/87

- sign -88.145 ± 0.390 χ^2/NDF : 16229.5/43

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 182.901 $\pm$ 0.913 χ^2 /NDF: 5346.3/18

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 178.234 $\pm$ 0.912 χ^2 /NDF: 6360.5/20

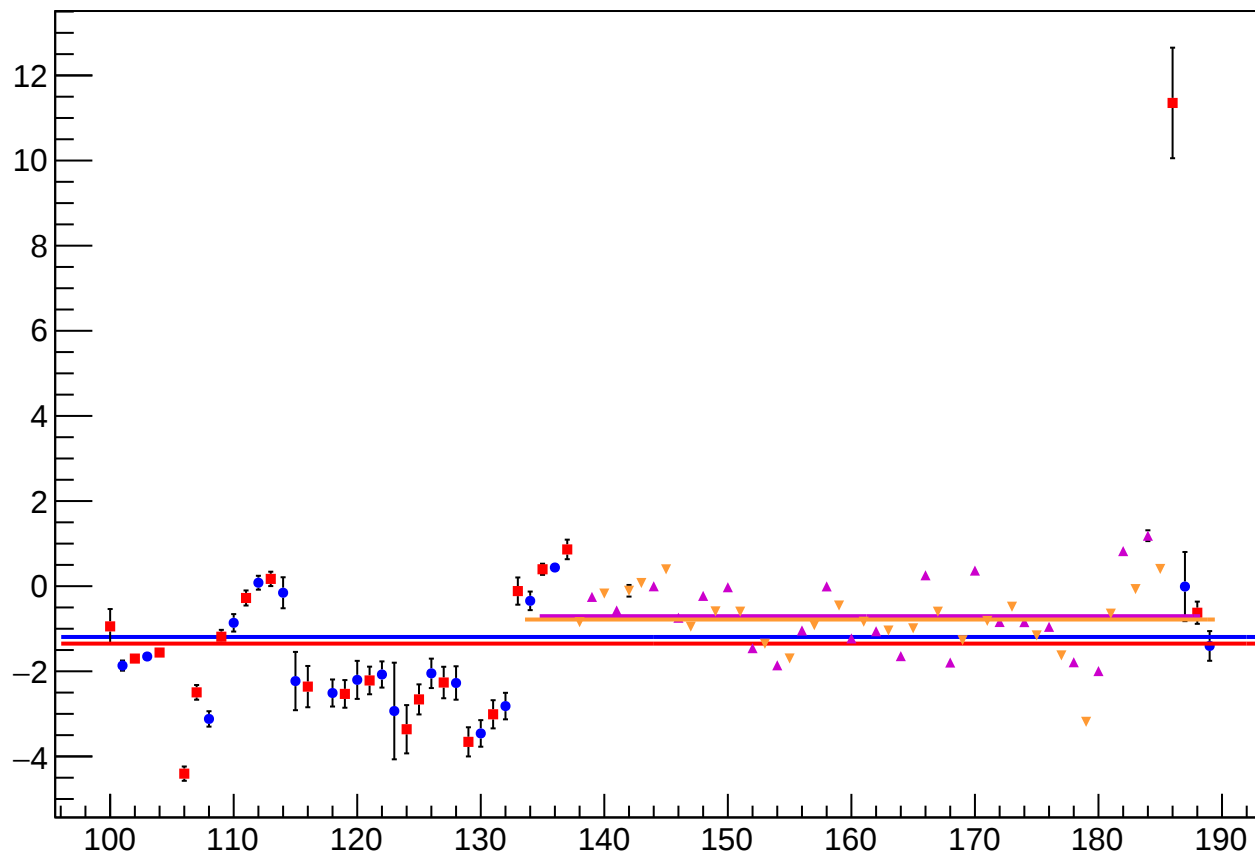
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 179.840 $\pm$ 0.336 χ^2 /NDF: 11341.5/43

All: 178.339 $\pm$ 0.240 χ^2 /NDF: 22171.7/87

- sign 176.773 $\pm$ 0.344 χ^2 /NDF: 10789.5/43

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 622.9/18

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.350 ± 0.045 χ^2/NDF : 1023.5/20

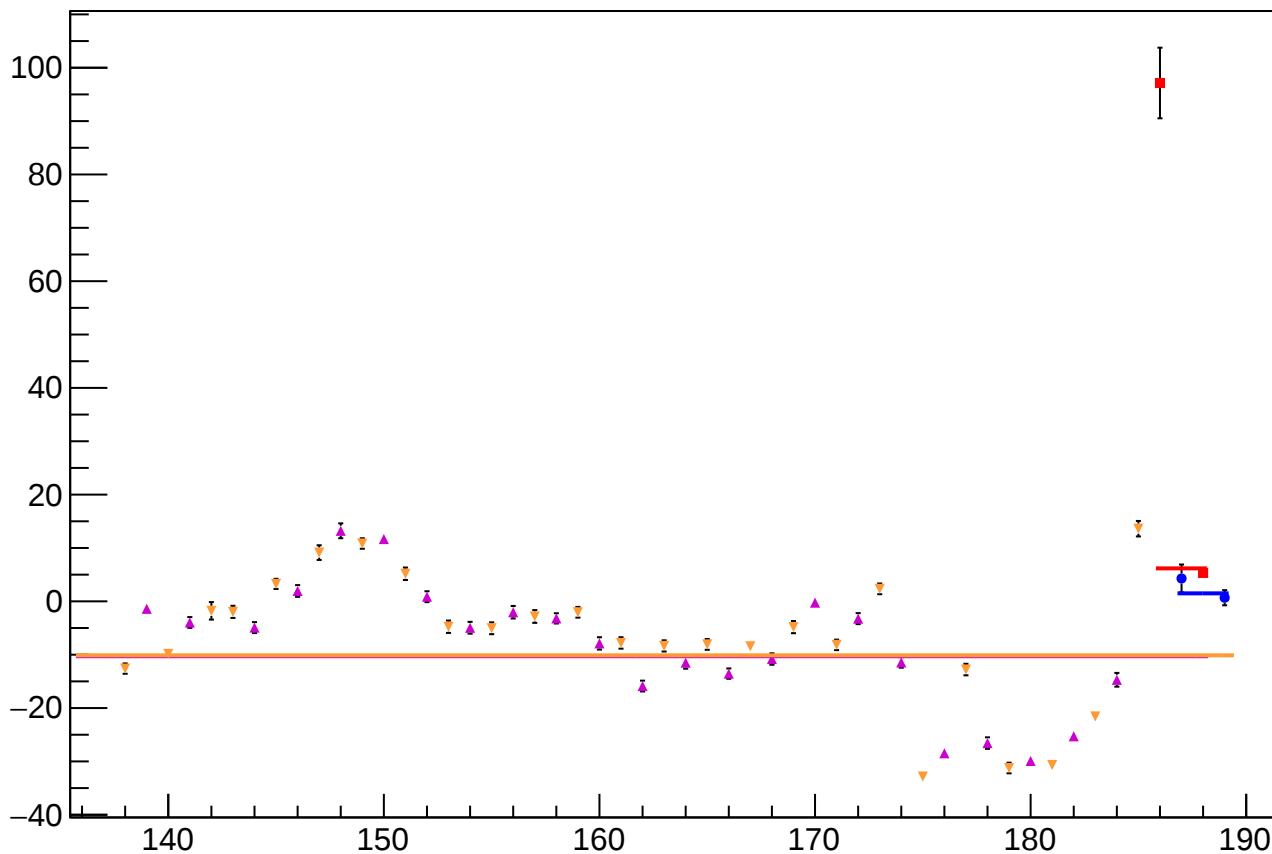
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.828 ± 0.016 χ^2/NDF : 2460.4/43

All: -0.806 ± 0.011 χ^2/NDF : 6074.3/87

- sign -0.784 ± 0.016 χ^2/NDF : 3610.1/43

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 1.496+/-1.246 χ^2/NDF : 1.5/1

Left Out: -10.117+/-0.201 χ^2/NDF : 4138.1/24

Right Out: 6.177+/-0.637 χ^2/NDF : 190.6/1

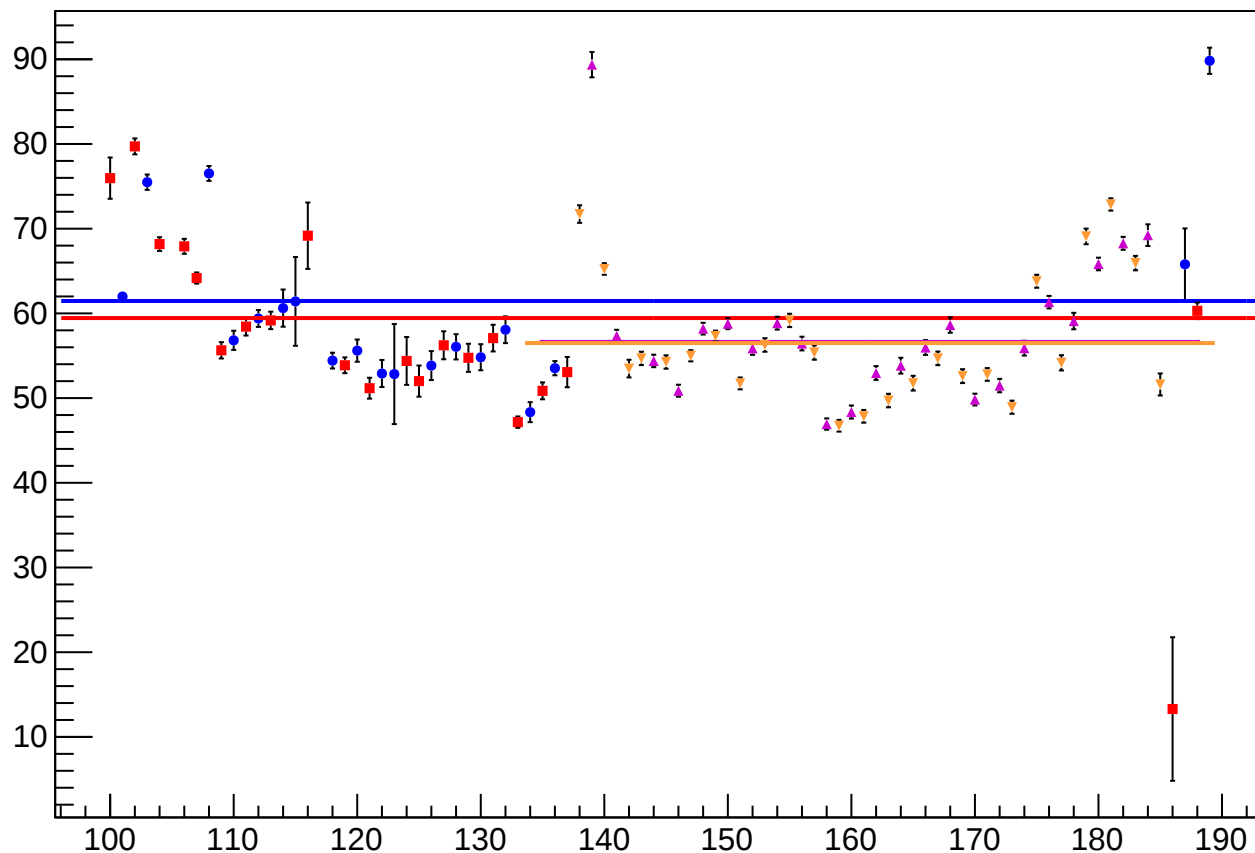
Left In: -10.290+/-0.205 χ^2/NDF : 3451.0/22

+ sign -9.822+/-0.199 χ^2/NDF : 4224.2/26

All: -9.271+/-0.139 χ^2/NDF : 8486.6/51

- sign -8.738+/-0.196 χ^2/NDF : 4247.2/24

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 61.463 $\pm$ 0.259 χ^2 /NDF: 1271.3/18

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF:1968.0/24

Right Out: 59.449 $\pm$ 0.240 χ^2 /NDF: 1355.6/20

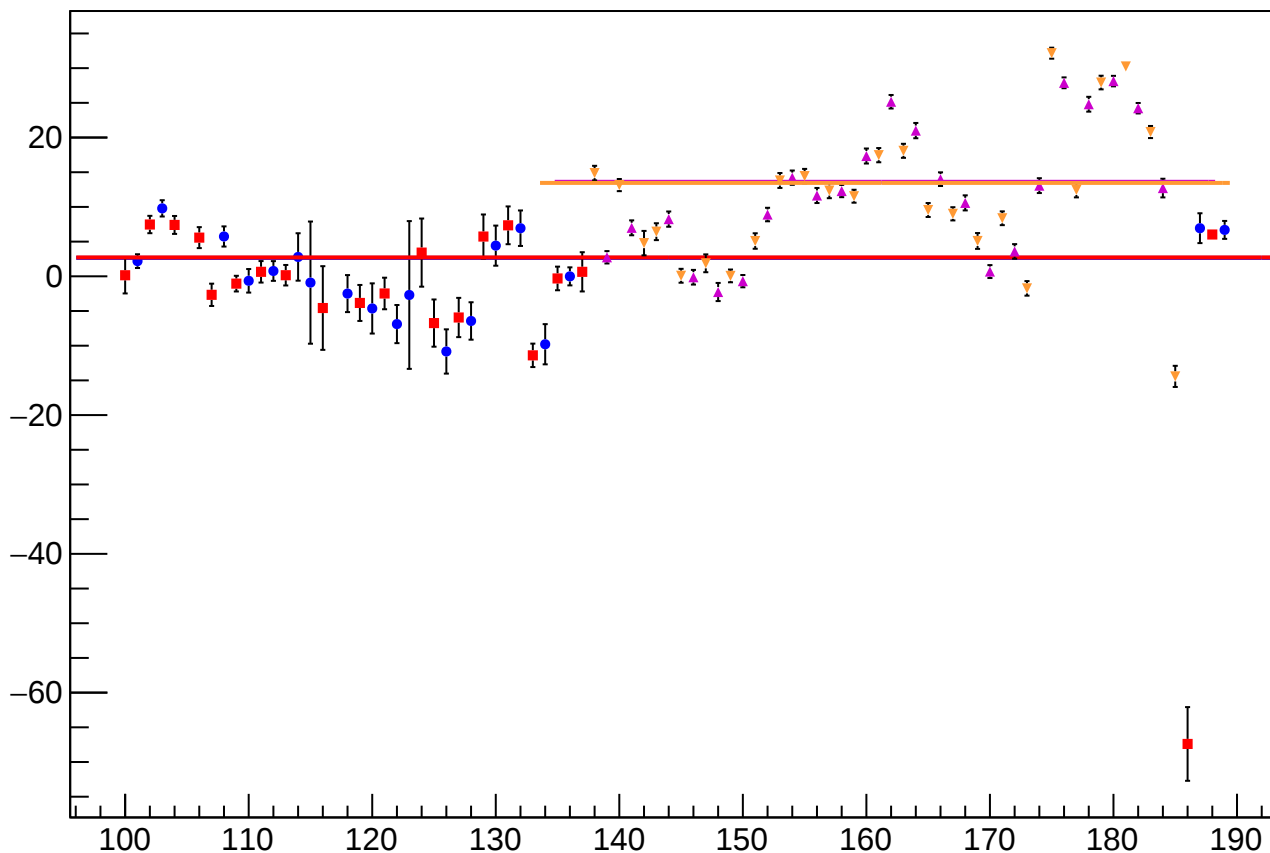
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 57.853 $\pm$ 0.135 χ^2 /NDF: 3506.3/43

All: 57.696 $\pm$ 0.096 χ^2 /NDF: 6565.8/87

- sign 57.538 $\pm$ 0.136 χ^2 /NDF: 3056.8/43

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 2.659 ± 0.424 χ^2/NDF : 136.3/18

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 2.720 ± 0.328 χ^2/NDF : 381.5/20

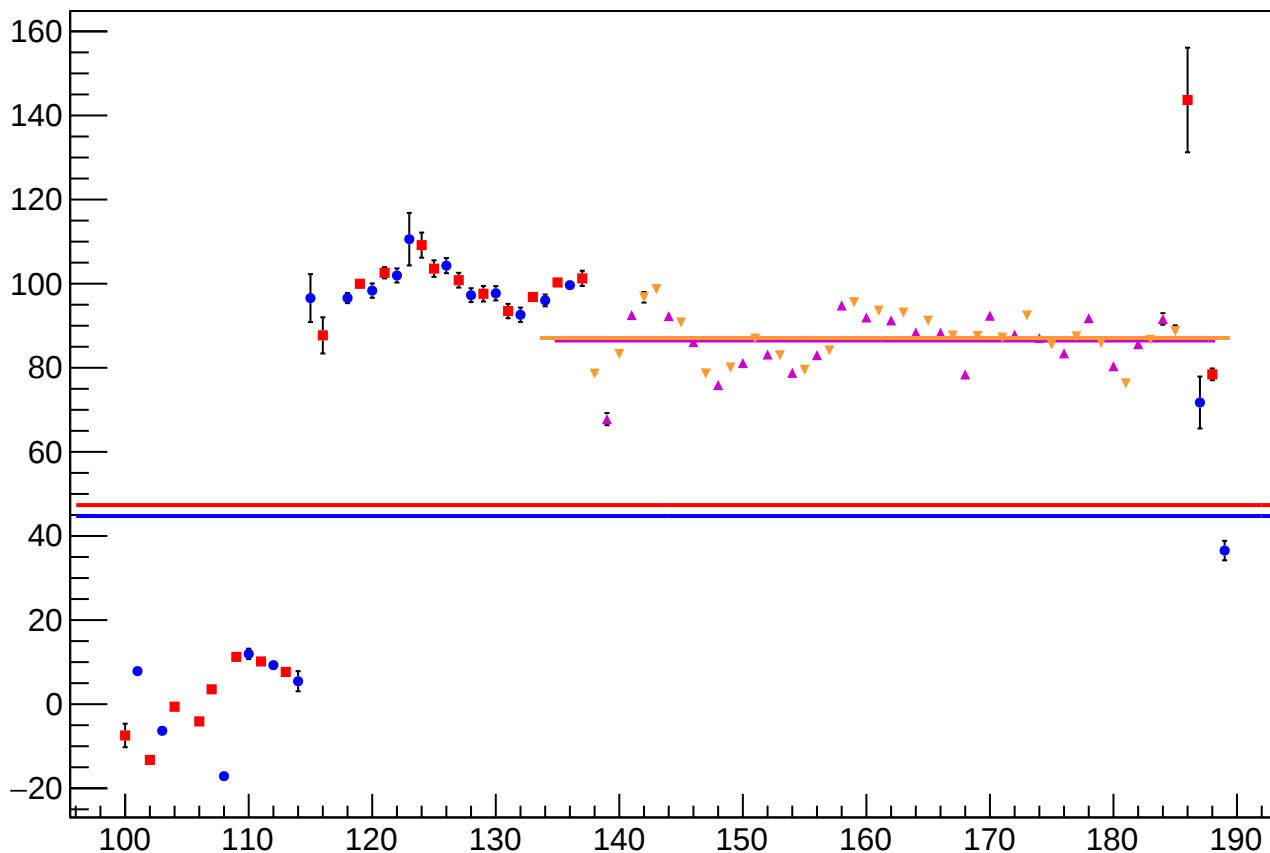
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.474 ± 0.182 χ^2/NDF : 3401.5/43

All: 11.002 ± 0.126 χ^2/NDF : 6905.6/87

- sign 10.574 ± 0.174 χ^2/NDF : 3491.3/43

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.742 $\pm$ 0.302 χ^2 /NDF: 24731.8/18

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 47.345 $\pm$ 0.284 χ^2 /NDF: 28793.4/20

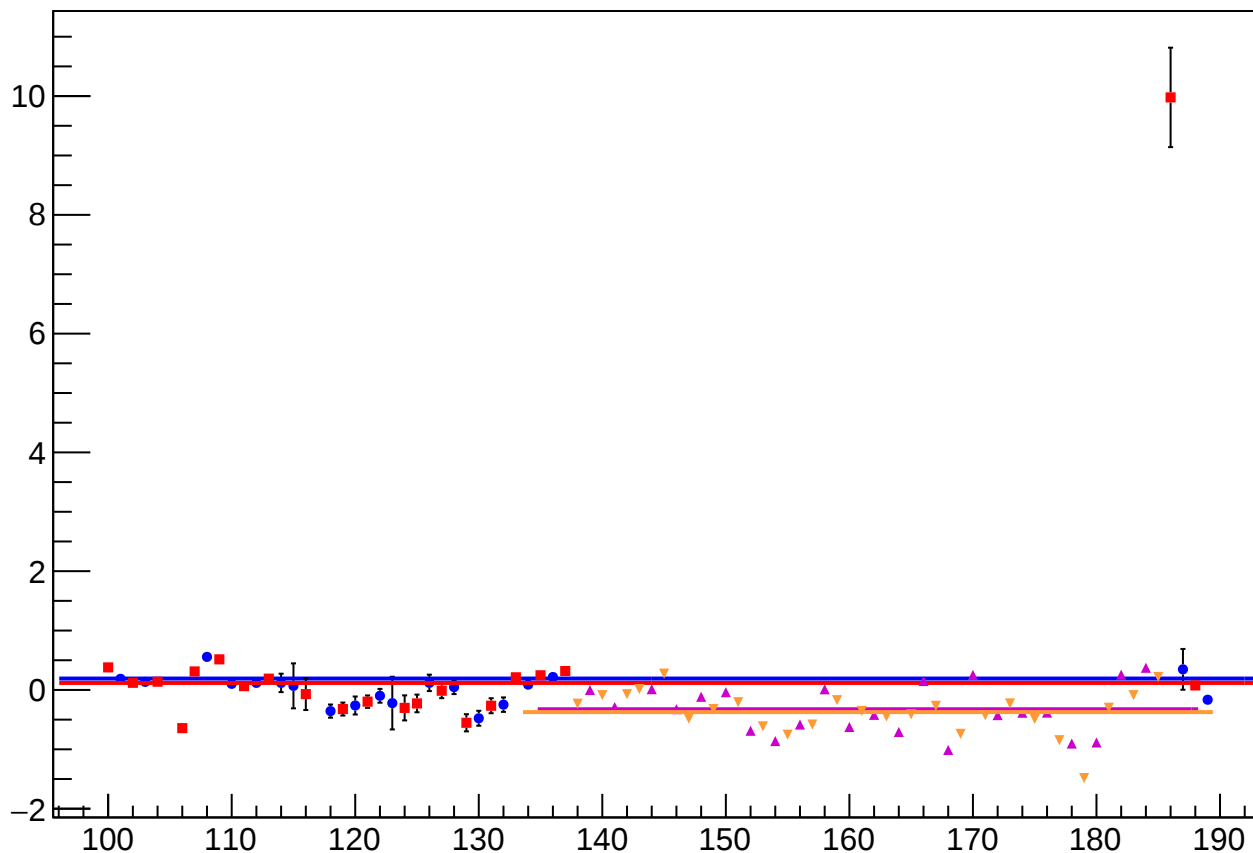
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 76.073 $\pm$ 0.154 χ^2 /NDF: 40359.9/43

All: 75.457 $\pm$ 0.109 χ^2 /NDF: 83564.0/87

- sign 74.834 $\pm$ 0.155 χ^2 /NDF: 43171.8/43

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.192 ± 0.014 χ^2/NDF : 235.9/18

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: 0.118 ± 0.013 χ^2/NDF : 638.2/20

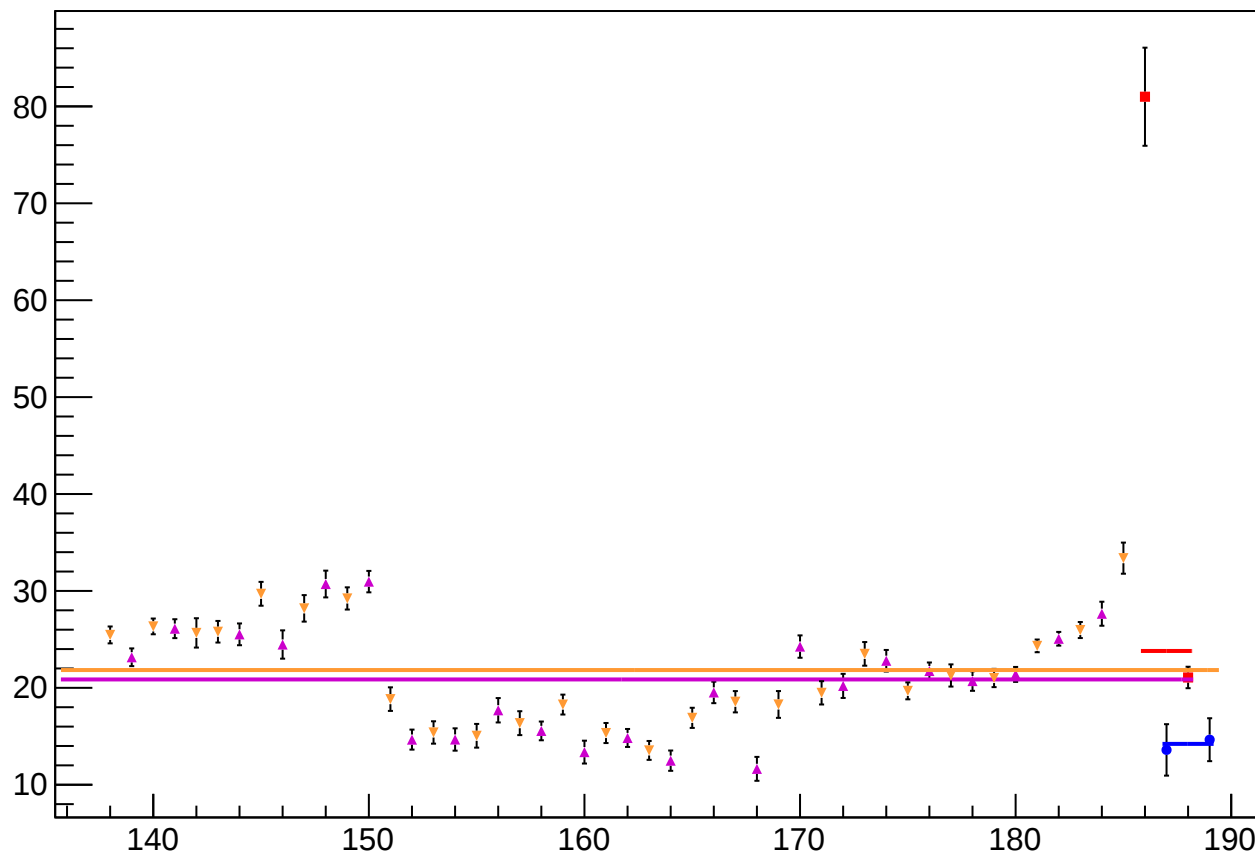
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.228 ± 0.007 χ^2/NDF : 3143.7/43

All: -0.212 ± 0.005 χ^2/NDF : 6931.4/87

- sign -0.195 ± 0.007 χ^2/NDF : 3776.2/43

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 14.216+/-1.700 χ^2/NDF : 0.1/1

Left Out: 21.836+/-0.210 χ^2/NDF : 524.3/24

Right Out: 23.805+/-1.081 χ^2/NDF : 133.8/1

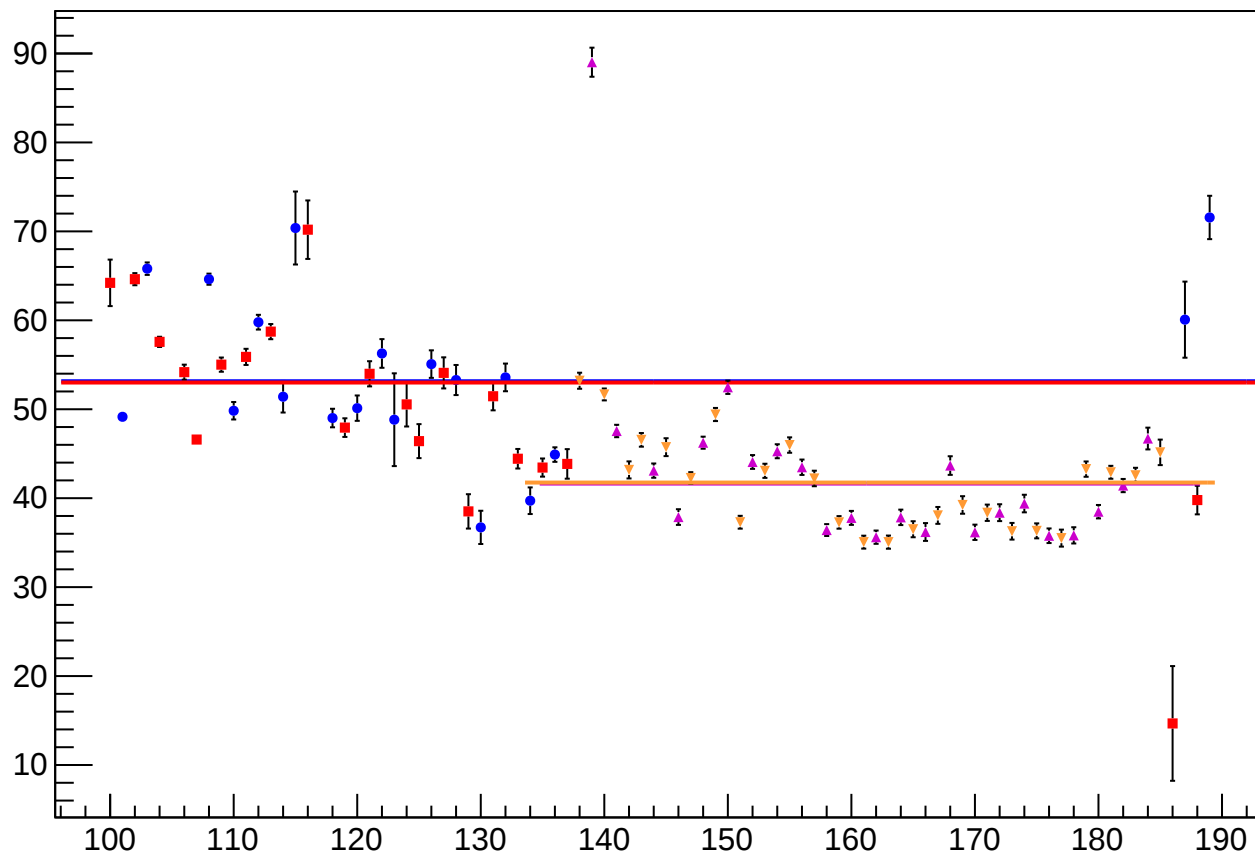
Left In: 20.866+/-0.217 χ^2/NDF : 576.9/22

+ sign 21.722+/-0.208 χ^2/NDF : 544.2/26

All: 21.358+/-0.149 χ^2/NDF : 1268.2/51

- sign 20.979+/-0.212 χ^2/NDF : 717.7/24

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 53.149 $\pm$ 0.210 χ^2 /NDF: 1258.1/18

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 53.005 $\pm$ 0.224 χ^2 /NDF: 981.5/20

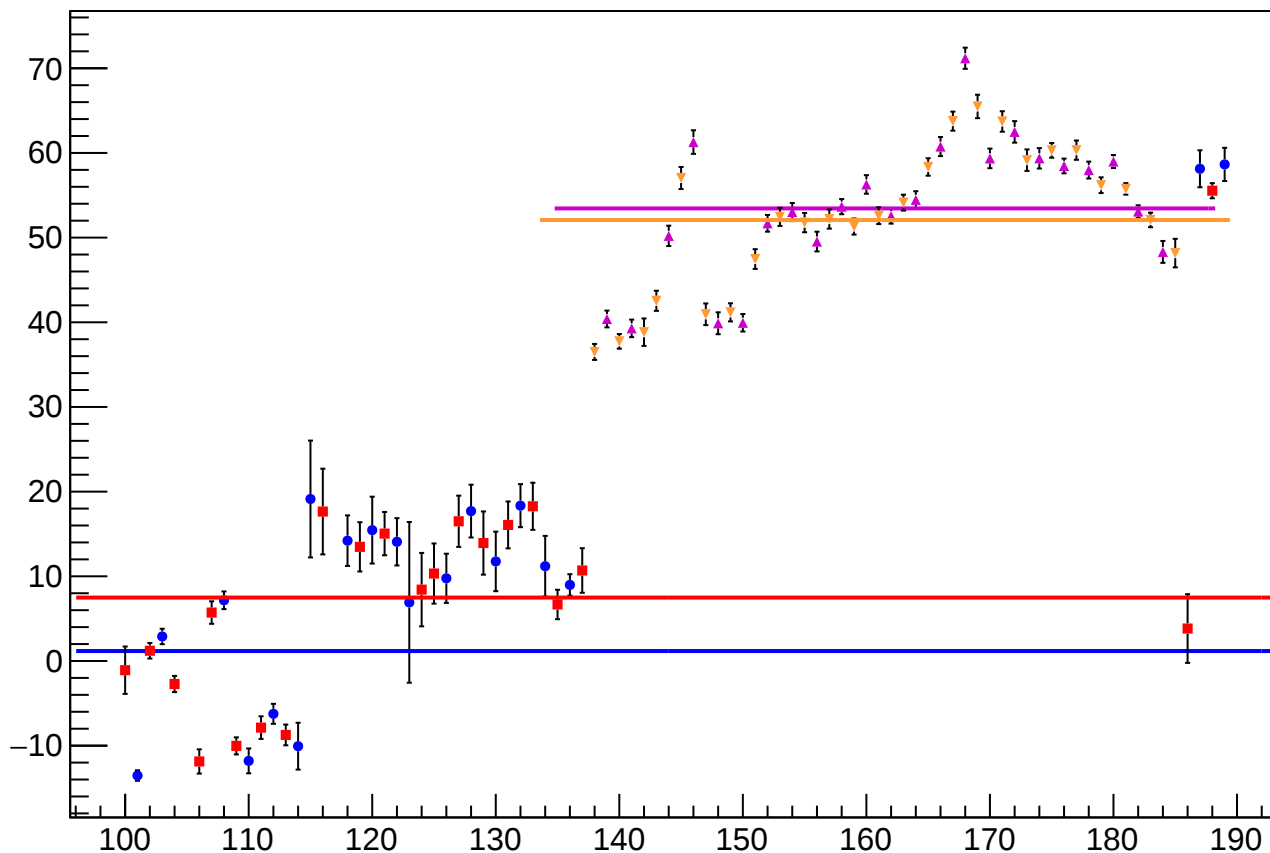
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 46.117 $\pm$ 0.130 χ^2 /NDF: 4090.2/43

All: 46.015 $\pm$ 0.094 χ^2 /NDF: 8286.0/87

- sign 45.901 $\pm$ 0.137 χ^2 /NDF: 4194.5/43

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 1.175 ± 0.354 χ^2/NDF : 2469.7/18

Left Out: 52.076 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: 7.490 ± 0.346 χ^2/NDF : 3915.7/20

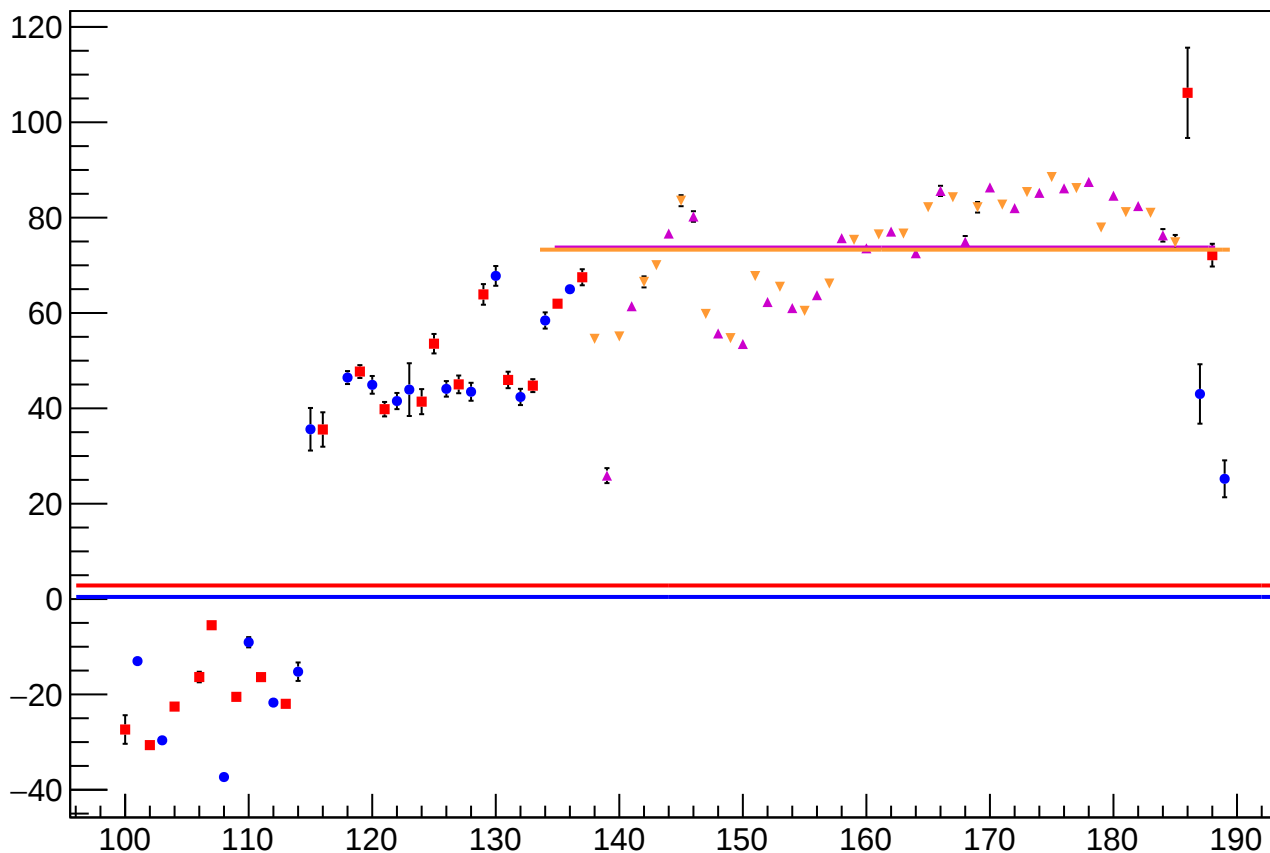
Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

+ sign 38.811 ± 0.181 χ^2/NDF : 19230.2/43

All: 39.707 ± 0.128 χ^2/NDF : 37069.6/87

- sign 40.626 ± 0.183 χ^2/NDF : 17789.6/43

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.444 ± 0.247 χ^2/NDF : 18308.1/18

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.848 ± 0.265 χ^2/NDF : 16390.2/20

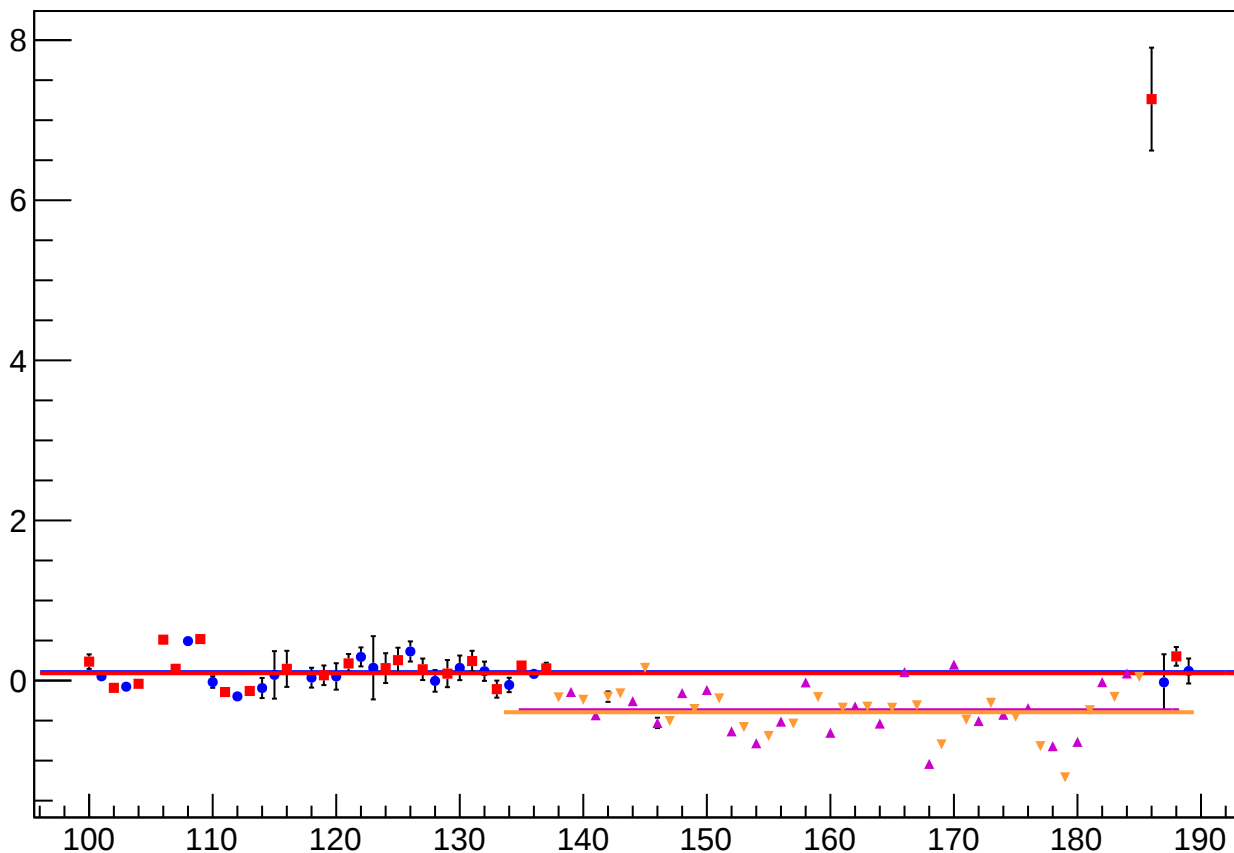
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.765 ± 0.149 χ^2/NDF : 76781.8/43

All: 47.800 ± 0.108 χ^2/NDF : 143569.8/87

- sign 48.944 ± 0.157 χ^2/NDF : 66686.5/43

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 401.0/18

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.092 ± 0.011 χ^2/NDF : 518.7/20

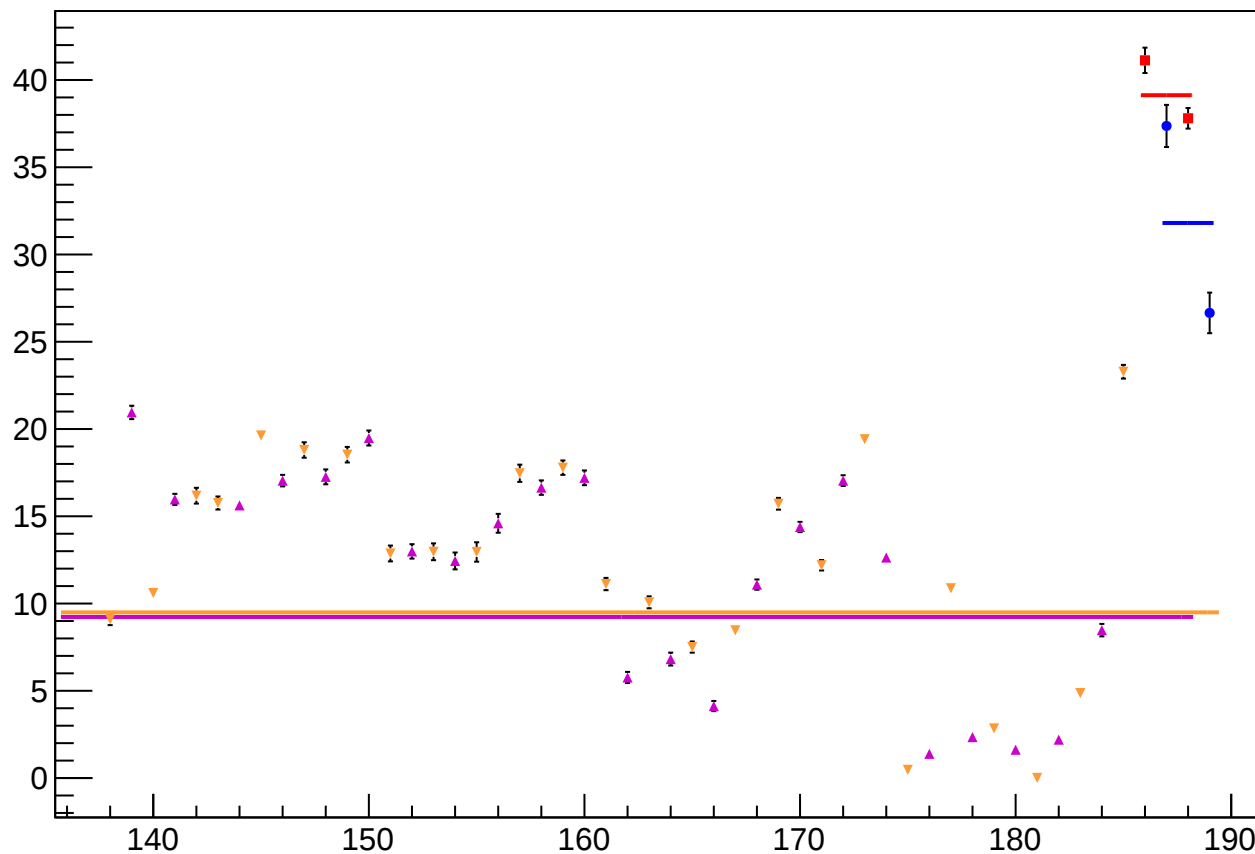
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.208 ± 0.007 χ^2/NDF : 2639.8/43

All: -0.200 ± 0.005 χ^2/NDF : 5565.1/87

- sign -0.192 ± 0.007 χ^2/NDF : 2922.7/43

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 31.807 $\pm$ 0.838 χ^2/NDF : 40.8/1

Left Out: 9.495 $\pm$ 0.061 χ^2/NDF :12609.1/24

Right Out: 39.128 $\pm$ 0.459 χ^2/NDF : 12.6/1

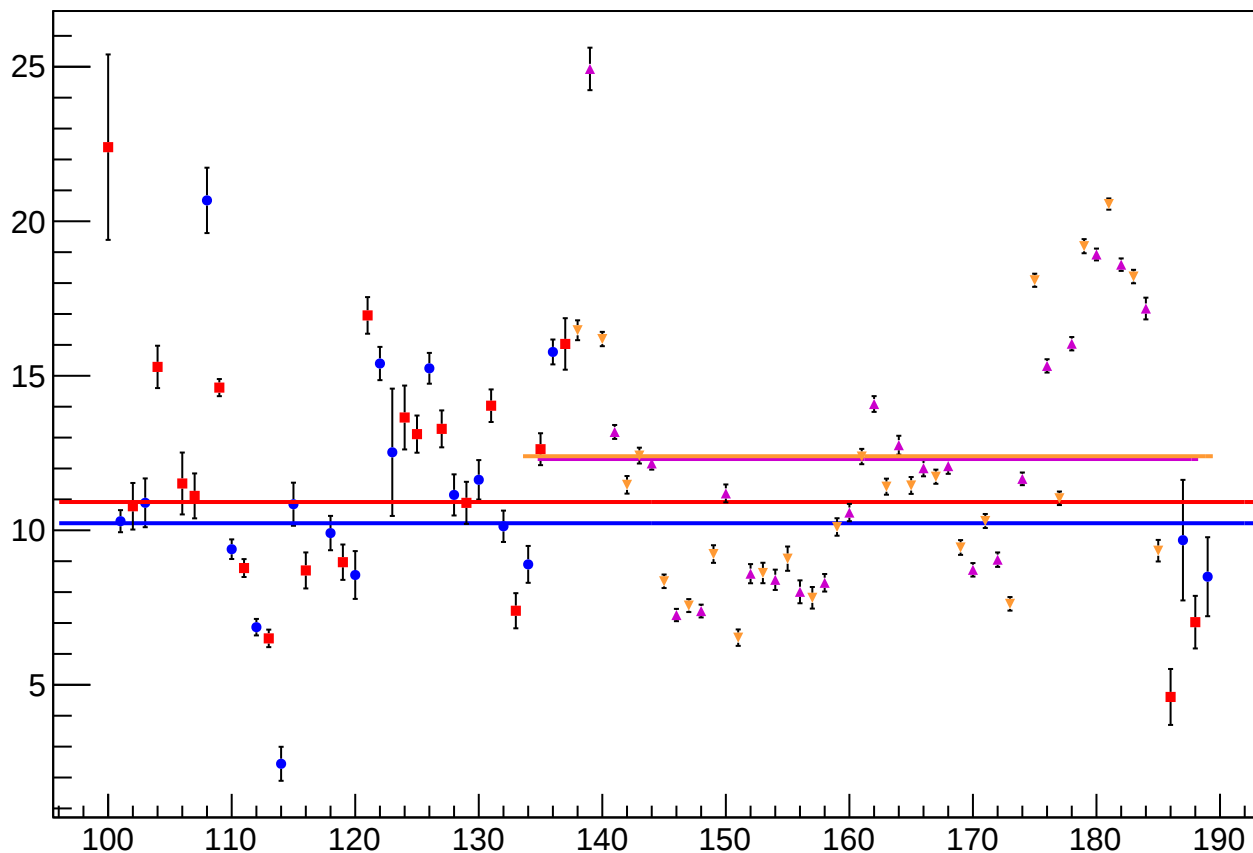
Left In: 9.231 $\pm$ 0.063 χ^2/NDF :10736.2/22

+ sign 9.613 $\pm$ 0.061 χ^2/NDF : 13355.2/26

All: 9.697 $\pm$ 0.044 χ^2/NDF : 28280.8/51

- sign 9.786 $\pm$ 0.062 χ^2/NDF : 14921.6/24

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.229 ± 0.119 χ^2/NDF : 868.0/18

Left Out: 12.397 ± 0.050 χ^2/NDF : 7542.8/24

Right Out: 10.915 ± 0.115 χ^2/NDF : 888.4/20

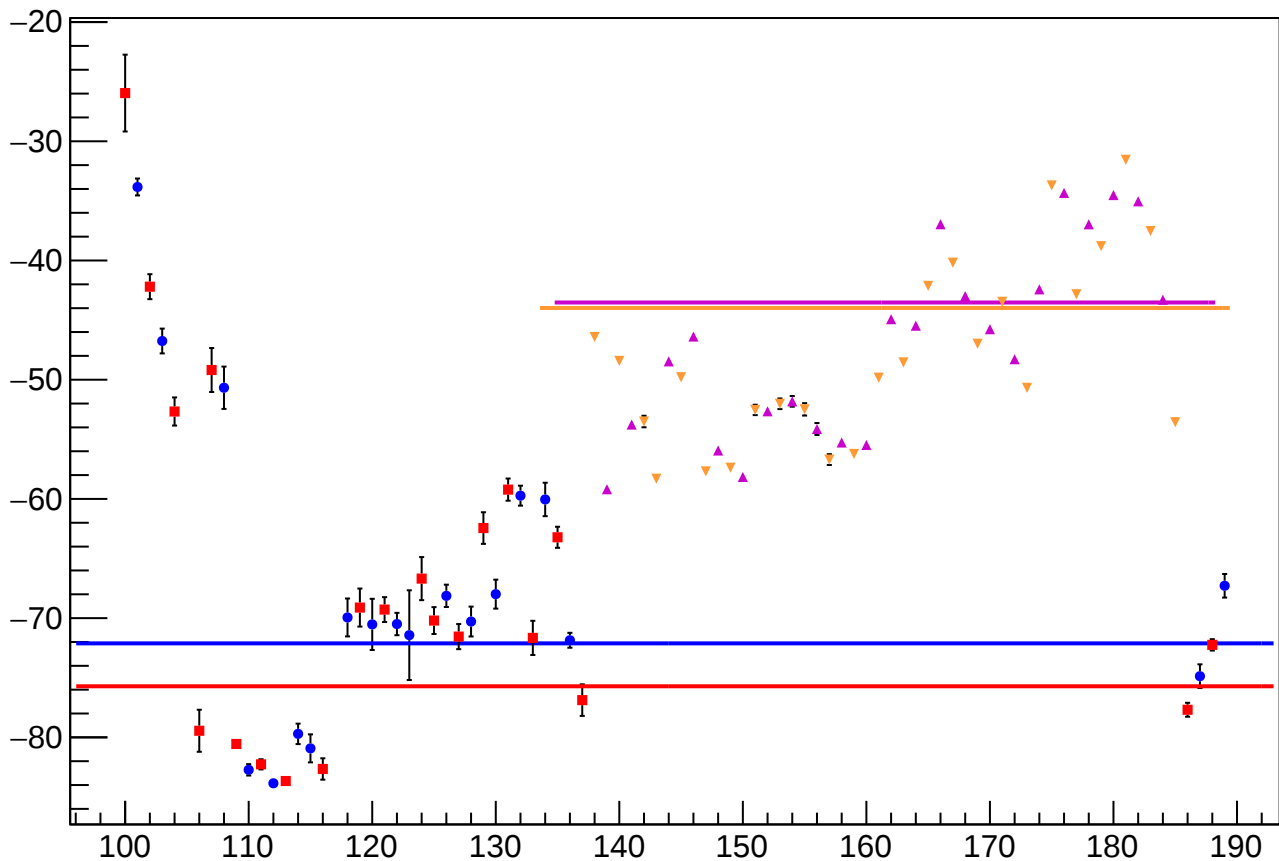
Left In: 12.307 ± 0.051 χ^2/NDF : 5601.8/22

+ sign 12.075 ± 0.046 χ^2/NDF : 8693.8/43

All: 12.075 ± 0.033 χ^2/NDF : 15307.1/87

- sign 12.075 ± 0.047 χ^2/NDF : 6613.3/43

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.116 ± 0.191 $\chi^2/\text{NDF}: 5594.4/18$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -75.715 ± 0.163 $\chi^2/\text{NDF}: 3526.3/20$

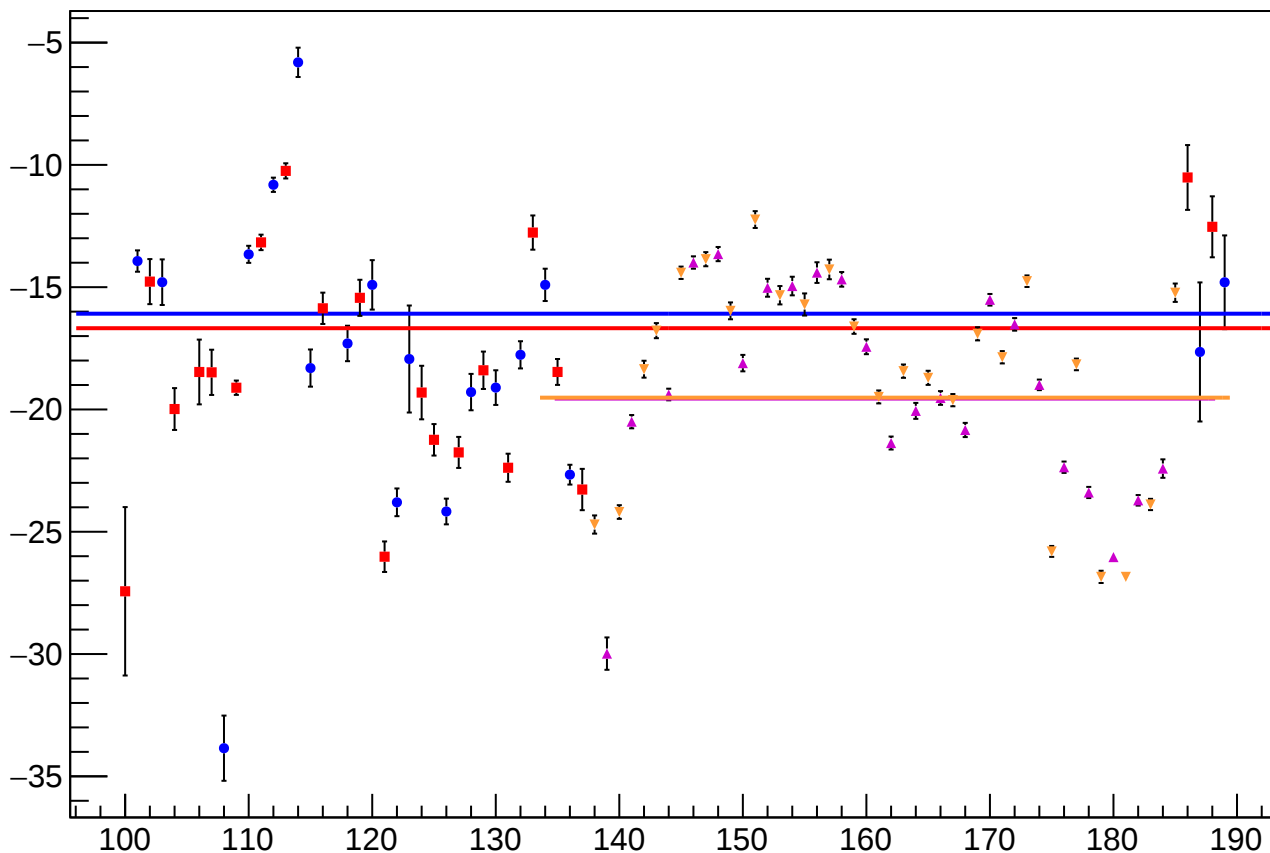
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -46.660 ± 0.059 $\chi^2/\text{NDF}: 42976.3/43$

All: -47.209 ± 0.042 $\chi^2/\text{NDF}: 95948.7/87$

- sign -47.759 ± 0.059 $\chi^2/\text{NDF}: 52799.0/43$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.084 ± 0.132 $\chi^2/\text{NDF}: 1621.4/18$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -16.678 ± 0.127 $\chi^2/\text{NDF}: 1244.6/20$

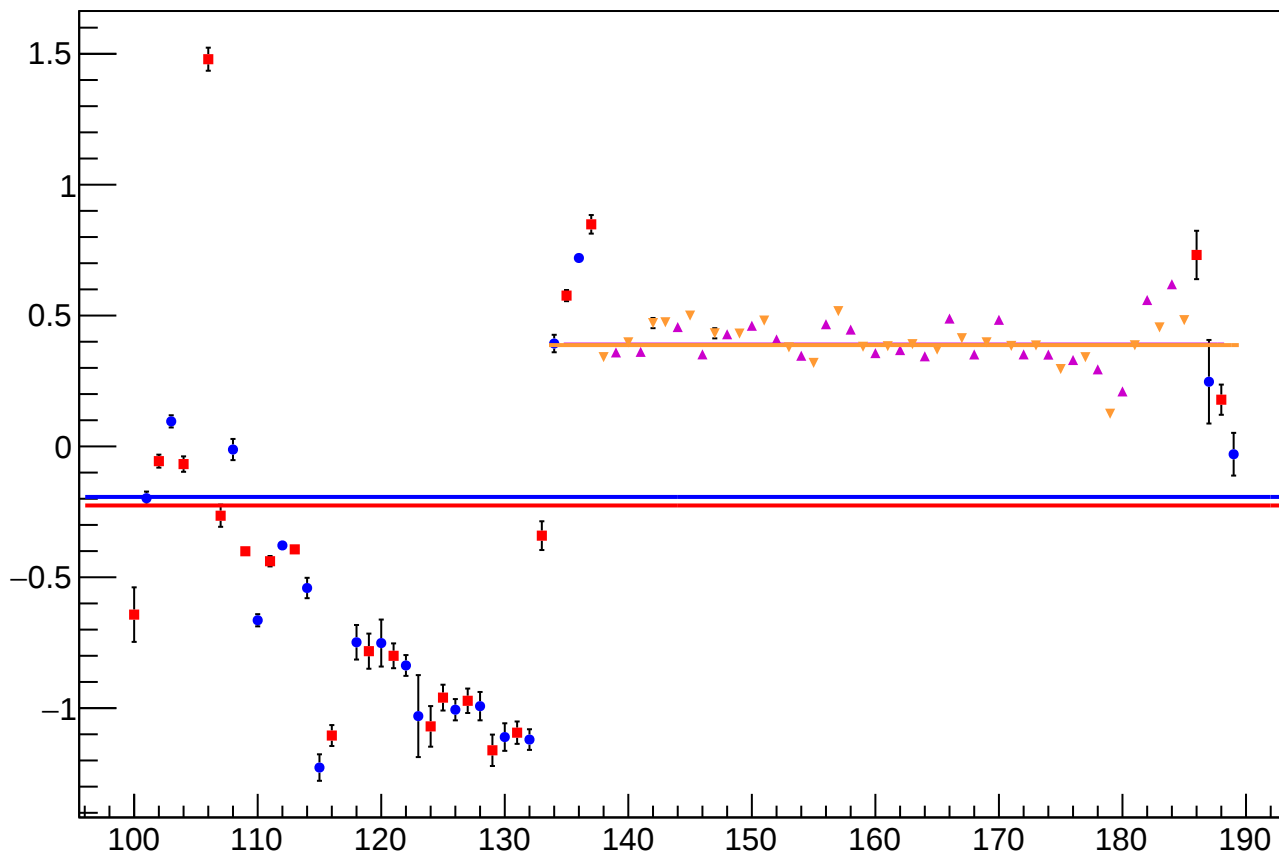
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.000 ± 0.051 $\chi^2/\text{NDF}: 8711.0/43$

All: -19.033 ± 0.037 $\chi^2/\text{NDF}: 14693.5/87$

- sign -19.068 ± 0.052 $\chi^2/\text{NDF}: 5981.6/43$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.193 ± 0.008 χ^2/NDF : 6328.2/18

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.226 ± 0.007 χ^2/NDF : 6335.7/20

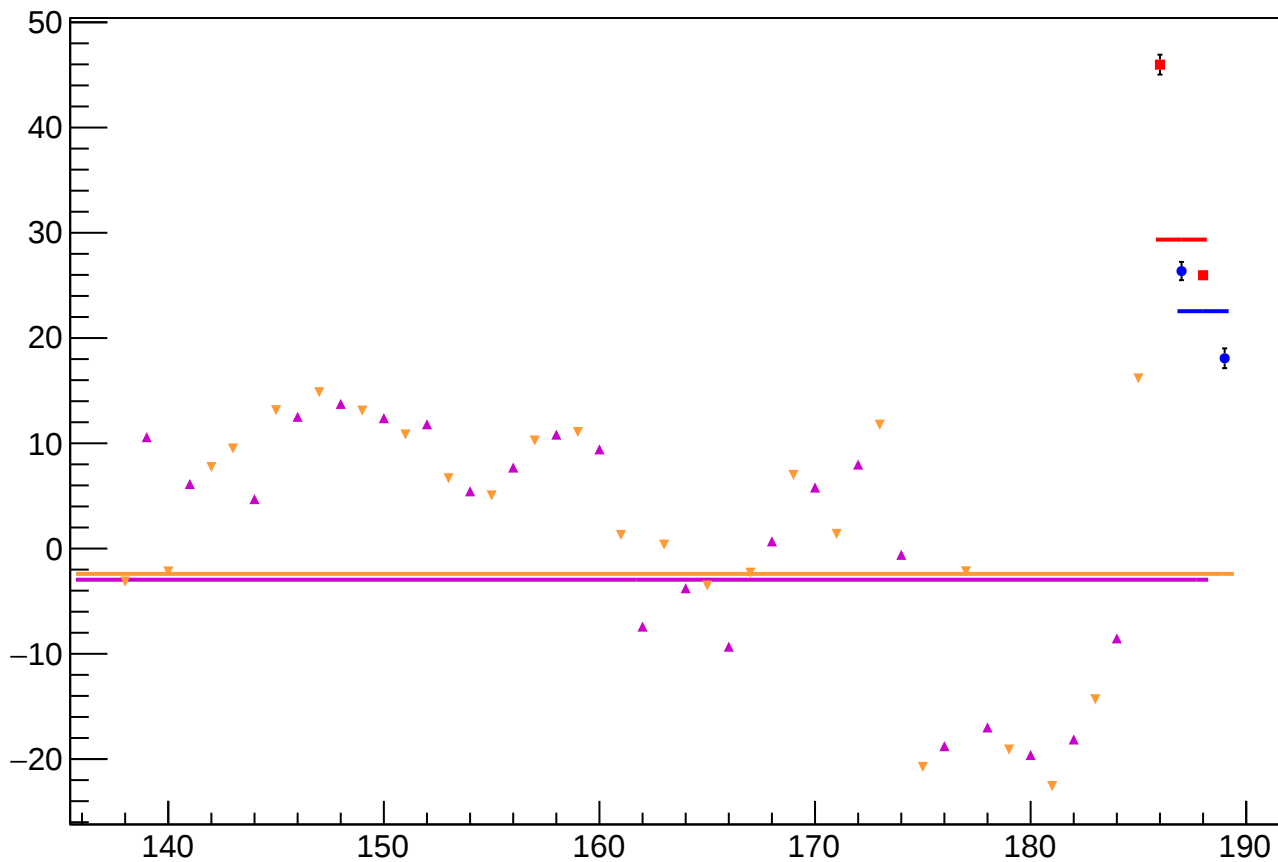
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.327 ± 0.002 χ^2/NDF : 12662.0/43

All: 0.321 ± 0.002 χ^2/NDF : 26852.2/87

- sign 0.316 ± 0.002 χ^2/NDF : 14179.6/43

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.552 $\pm$ 0.638 χ^2 /NDF: 42.0/1

Left Out: -2.407 $\pm$ 0.053 χ^2 /NDF: 56368.5/24

Right Out: 29.352 $\pm$ 0.390 χ^2 /NDF: 370.6/1

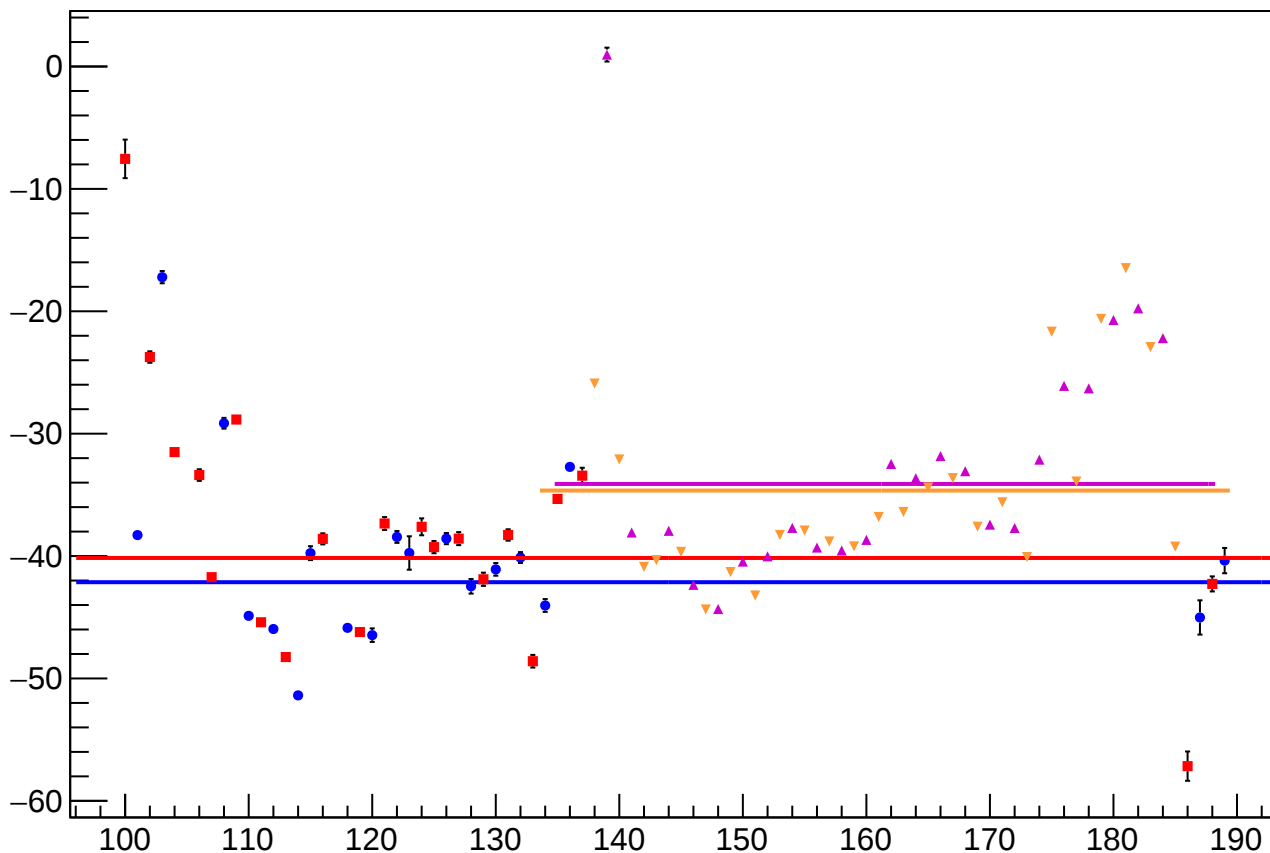
Left In: -2.959 $\pm$ 0.055 χ^2 /NDF: 45922.6/22

+ sign -2.237 $\pm$ 0.053 χ^2 /NDF: 57931.8/26

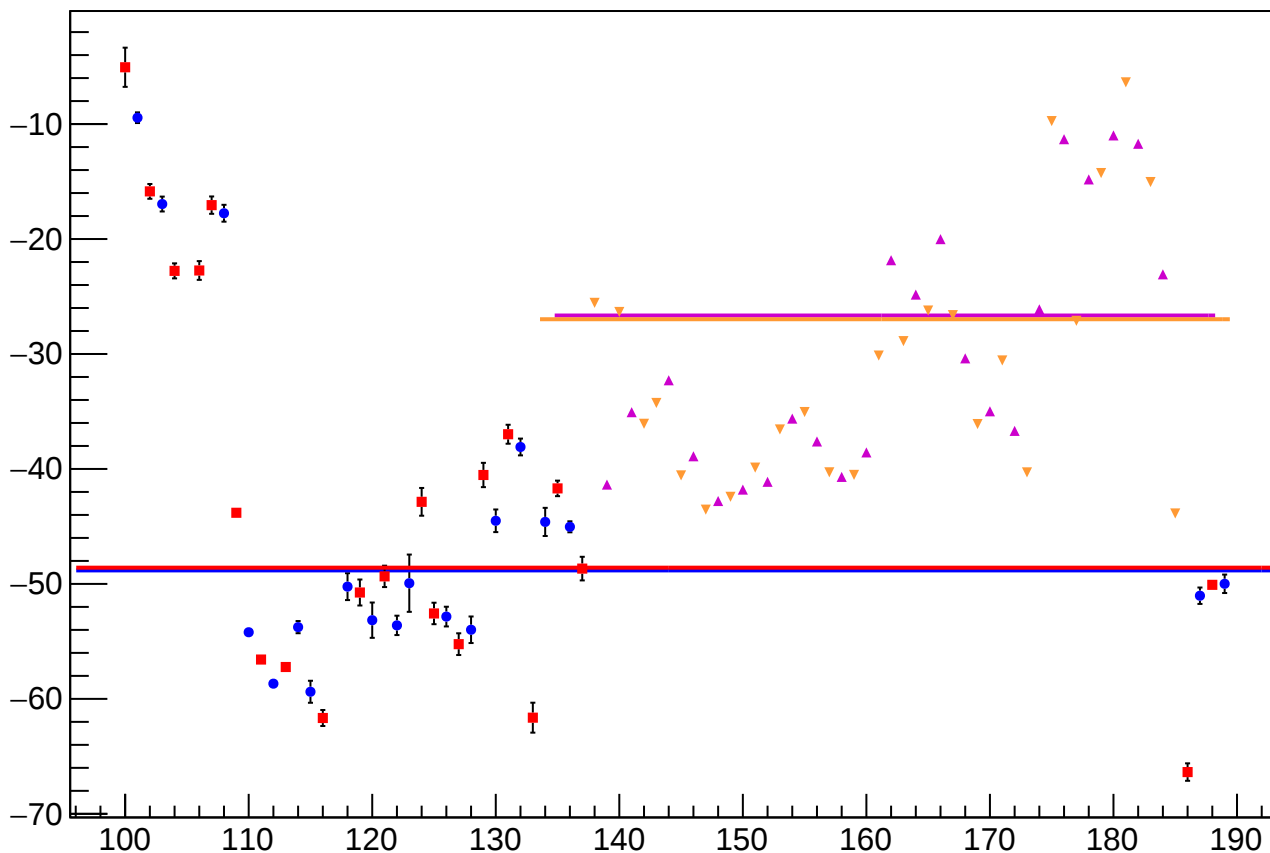
All: -2.283 $\pm$ 0.038 χ^2 /NDF: 110963.4/51

- sign -2.332 $\pm$ 0.054 χ^2 /NDF: 53030.0/24

reg_asym_sam8_diff_bpm4aY_slope vs Slug



reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.825 ± 0.122 $\chi^2/\text{NDF}: 14671.7/18$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -48.587 ± 0.102 $\chi^2/\text{NDF}: 12321.5/20$

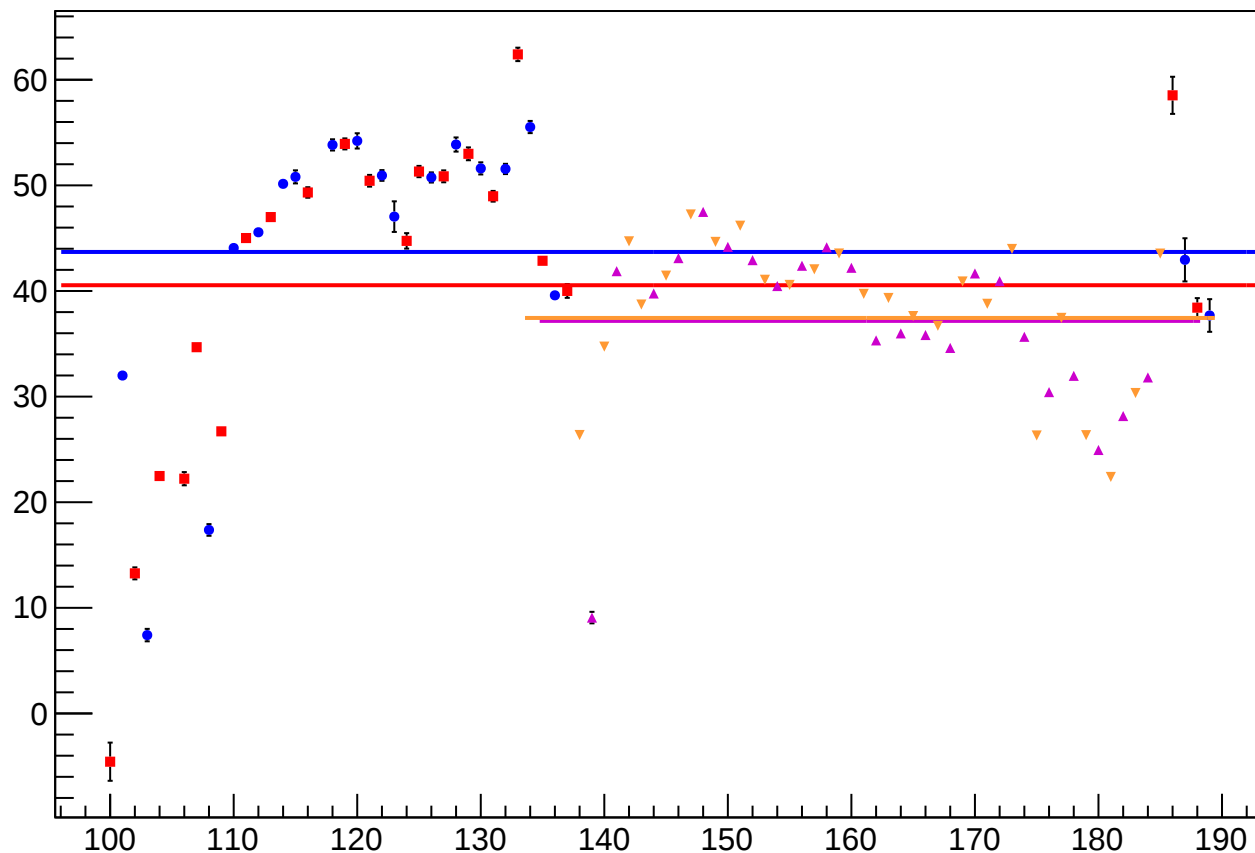
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.489 ± 0.049 $\chi^2/\text{NDF}: 91149.8/43$

All: -31.059 ± 0.034 $\chi^2/\text{NDF}: 181943.6/87$

- sign -31.620 ± 0.048 $\chi^2/\text{NDF}: 90522.3/43$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.696 $\pm$ 0.087 χ^2 /NDF: 10579.6/18

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 40.545 $\pm$ 0.080 χ^2 /NDF: 17688.8/20

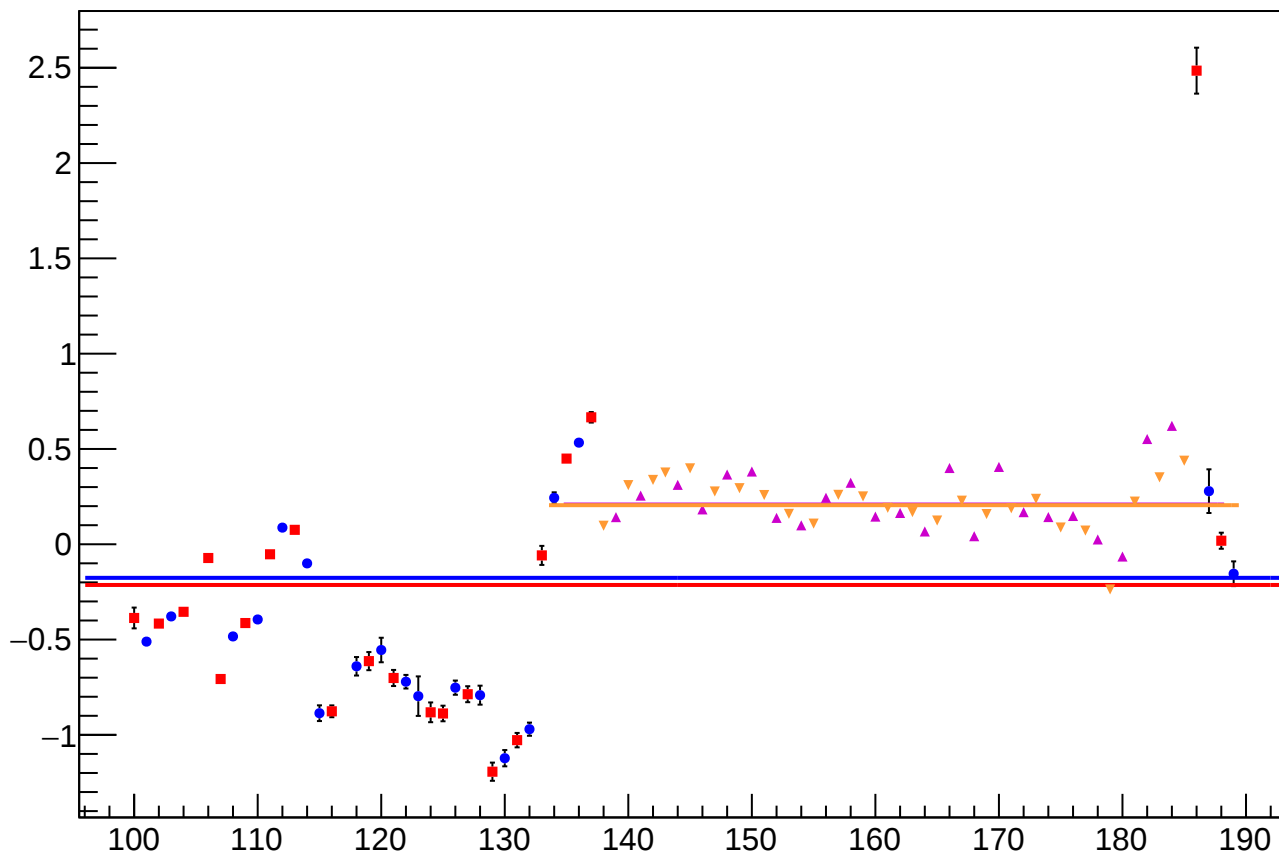
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.871 $\pm$ 0.041 χ^2 /NDF: 36151.0/43

All: 38.490 $\pm$ 0.029 χ^2 /NDF: 72542.6/87

- sign 38.100 $\pm$ 0.042 χ^2 /NDF: 36220.9/43

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.176 ± 0.005 χ^2/NDF : 7369.4/18

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.214 ± 0.004 χ^2/NDF : 7950.3/20

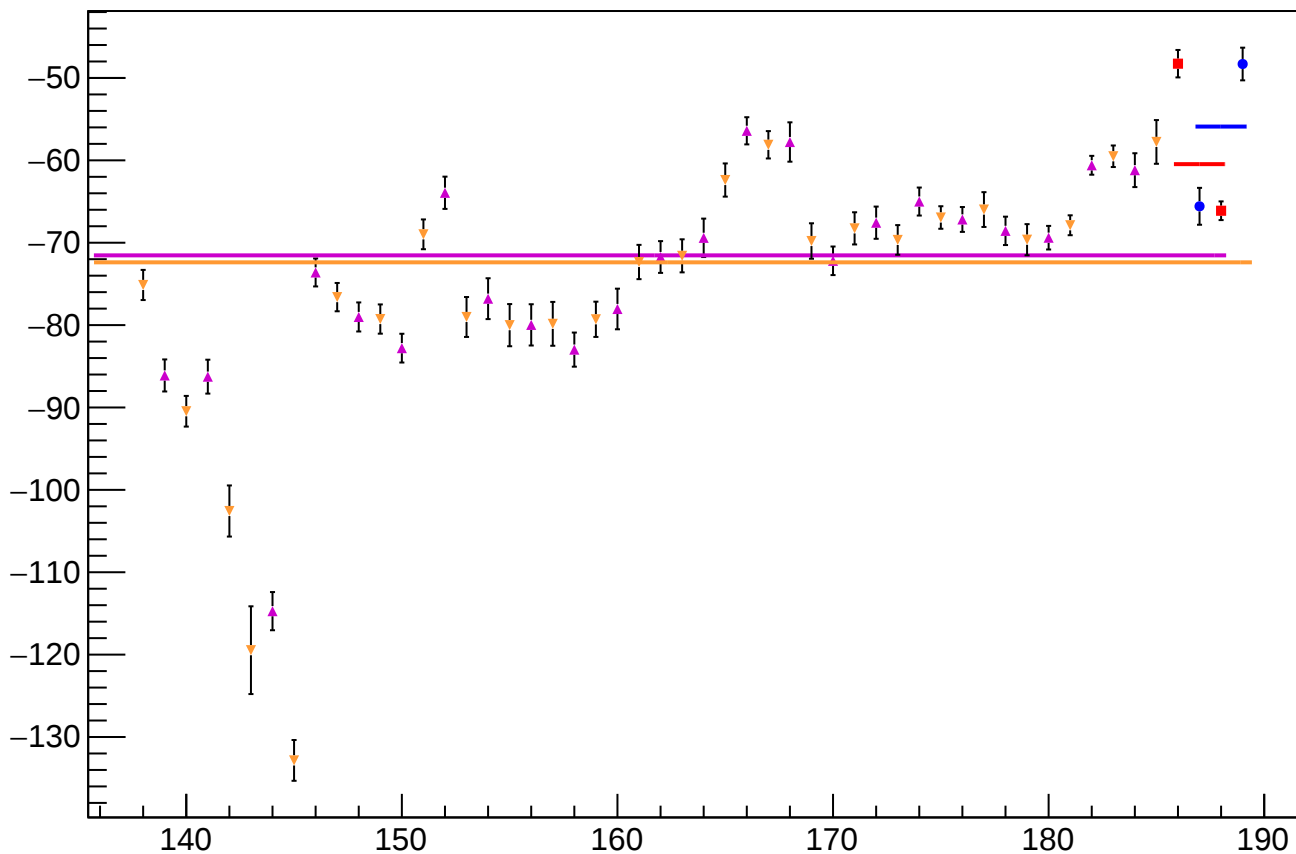
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.141 ± 0.002 χ^2/NDF : 16376.1/43

All: 0.129 ± 0.001 χ^2/NDF : 37115.8/87

- sign 0.117 ± 0.002 χ^2/NDF : 20669.7/43

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -55.899 ± 1.485 $\chi^2/\text{NDF}: 33.3/1$

Left Out: -72.381 ± 0.382 $\chi^2/\text{NDF}: 1199.9/24$

Right Out: -60.461 ± 0.938 $\chi^2/\text{NDF}: 78.4/1$

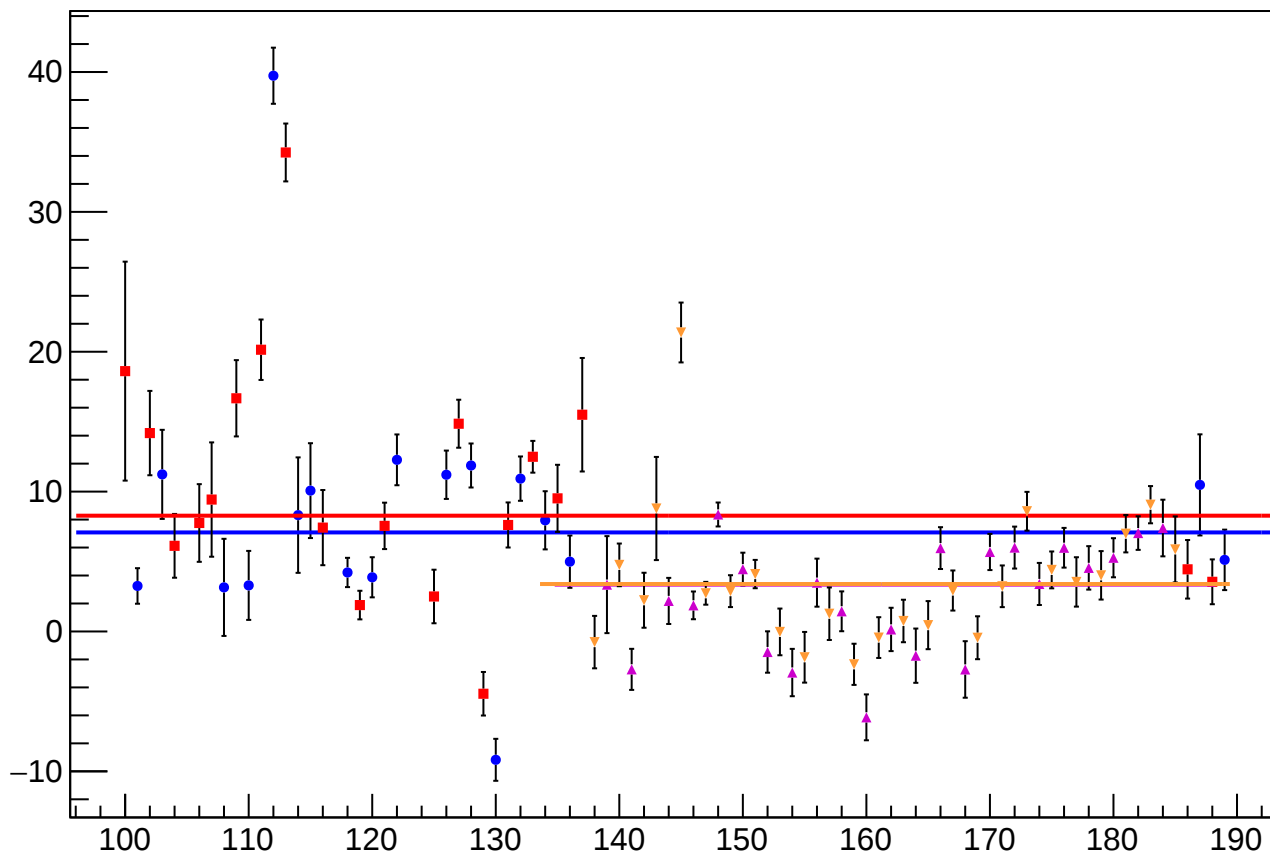
Left In: -71.534 ± 0.382 $\chi^2/\text{NDF}: 851.4/22$

+ sign -71.359 ± 0.370 $\chi^2/\text{NDF}: 1348.8/26$

All: -70.628 ± 0.256 $\chi^2/\text{NDF}: 2405.7/51$

- sign -69.961 ± 0.354 $\chi^2/\text{NDF}: 1049.4/24$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.081 ± 0.428 χ^2/NDF : 442.1/17

Left Out: 3.392 ± 0.294 χ^2/NDF : 169.9/24

Right Out: 8.278 ± 0.423 χ^2/NDF : 363.2/19

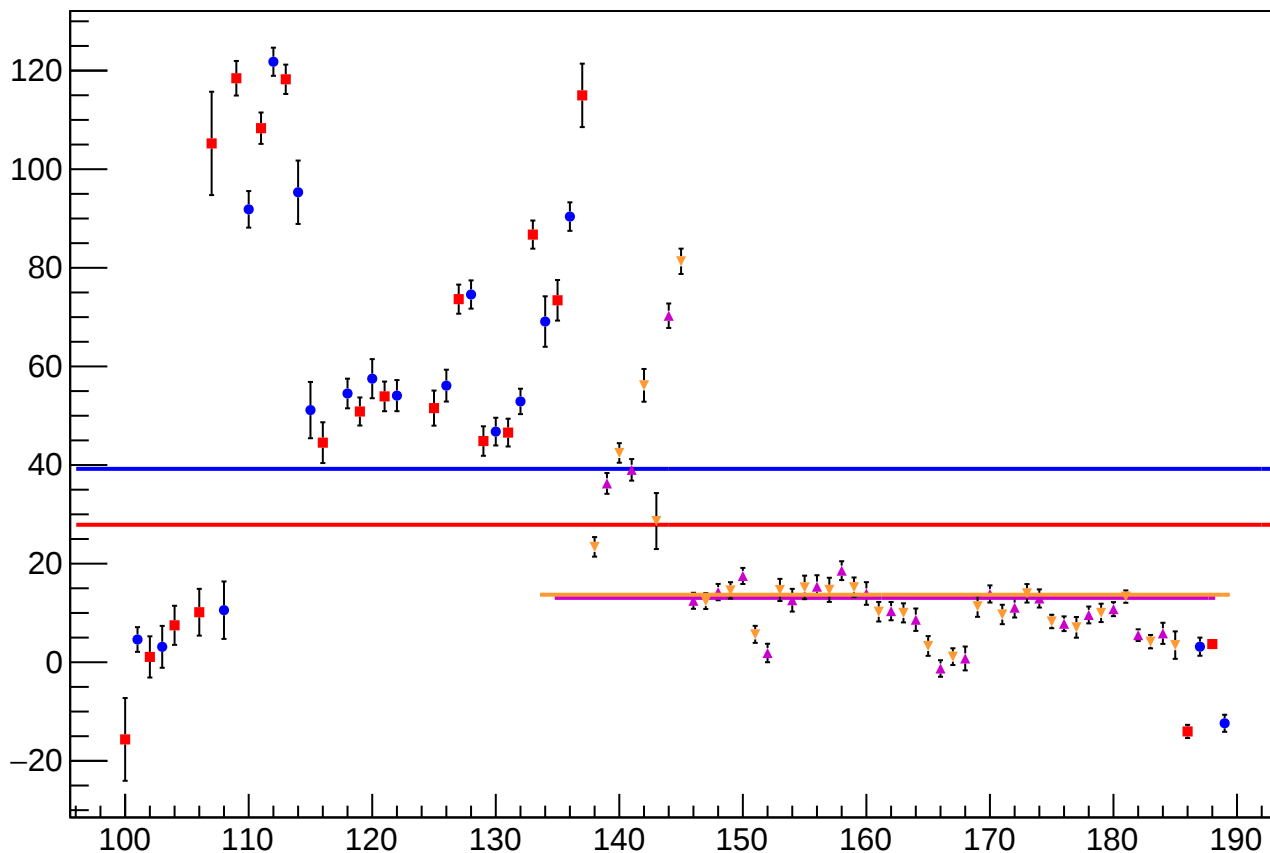
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.572 ± 0.242 χ^2/NDF : 662.4/42

All: 4.777 ± 0.172 χ^2/NDF : 1281.3/85

- sign 4.985 ± 0.244 χ^2/NDF : 617.4/42

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 39.225 ± 0.698 χ^2/NDF : 3310.7/17

Left Out: 13.700 ± 0.381 χ^2/NDF : 1307.0/24

Right Out: 27.886 ± 0.563 χ^2/NDF : 5312.4/19

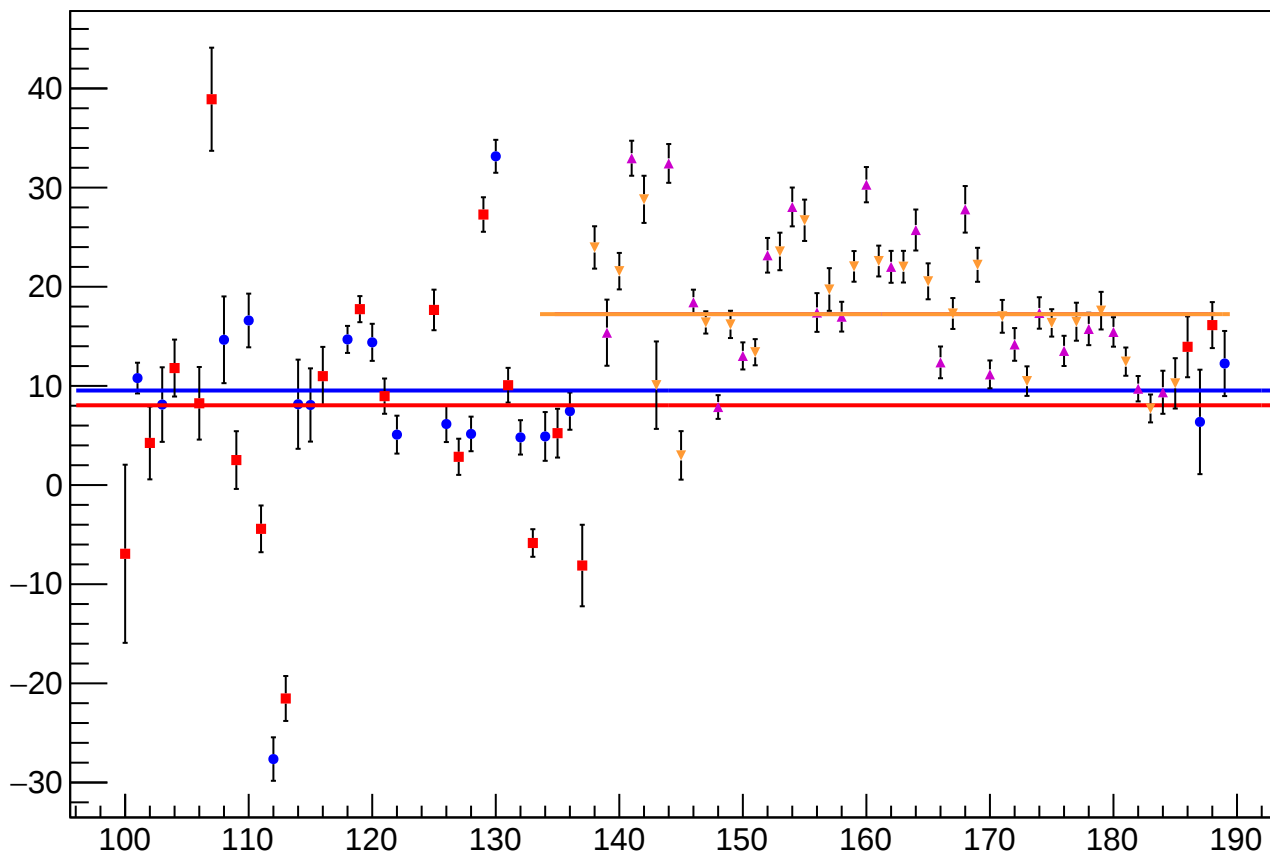
Left In: 13.058 ± 0.380 χ^2/NDF : 1024.7/22

+ sign 19.554 ± 0.334 χ^2/NDF : 5647.6/42

All: 18.567 ± 0.229 χ^2/NDF : 12477.6/85

- sign 17.692 ± 0.315 χ^2/NDF : 6813.6/42

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.535 ± 0.499 χ^2/NDF : 548.3/17

Left Out: 17.238 ± 0.336 χ^2/NDF : 246.5/24

Right Out: 8.044 ± 0.497 χ^2/NDF : 584.0/19

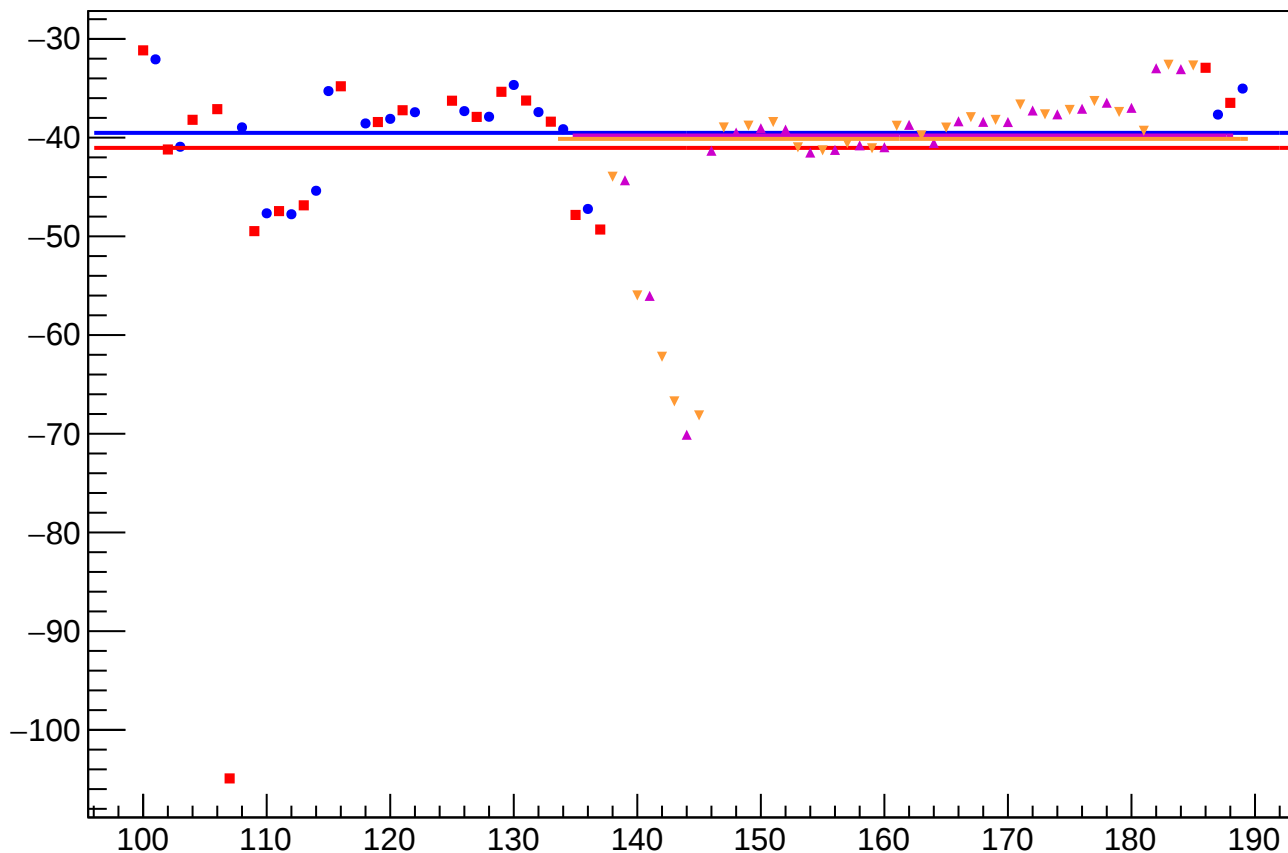
Left In: 17.245 ± 0.339 χ^2/NDF : 440.8/22

+ sign 14.837 ± 0.279 χ^2/NDF : 958.5/42

All: 14.579 ± 0.198 χ^2/NDF : 2218.7/85

- sign 14.318 ± 0.280 χ^2/NDF : 1258.5/42

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.517 ± 0.030 χ^2/NDF : 27375.6/17

Left Out: -40.126 ± 0.016 χ^2/NDF : 185897.0/24

Right Out: -41.039 ± 0.030 χ^2/NDF : 98226.8/19

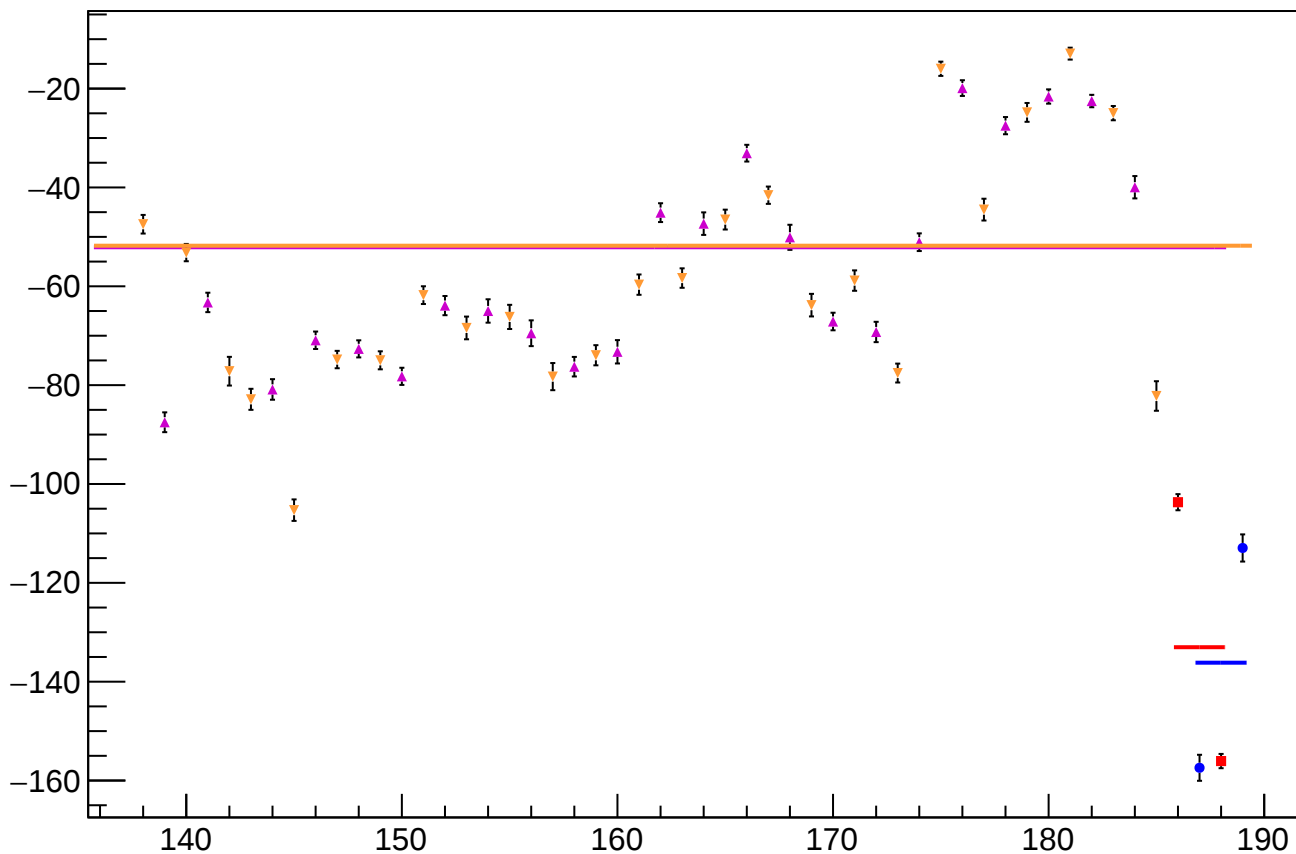
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -39.997 ± 0.014 χ^2/NDF : 213591.5/42

All: -40.028 ± 0.010 χ^2/NDF : 457727.7/85

- sign -40.059 ± 0.014 χ^2/NDF : 244126.2/42

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -136.157 ± 1.901 χ^2/NDF : 136.6/1

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -133.024 ± 1.082 χ^2/NDF : 577.3/1

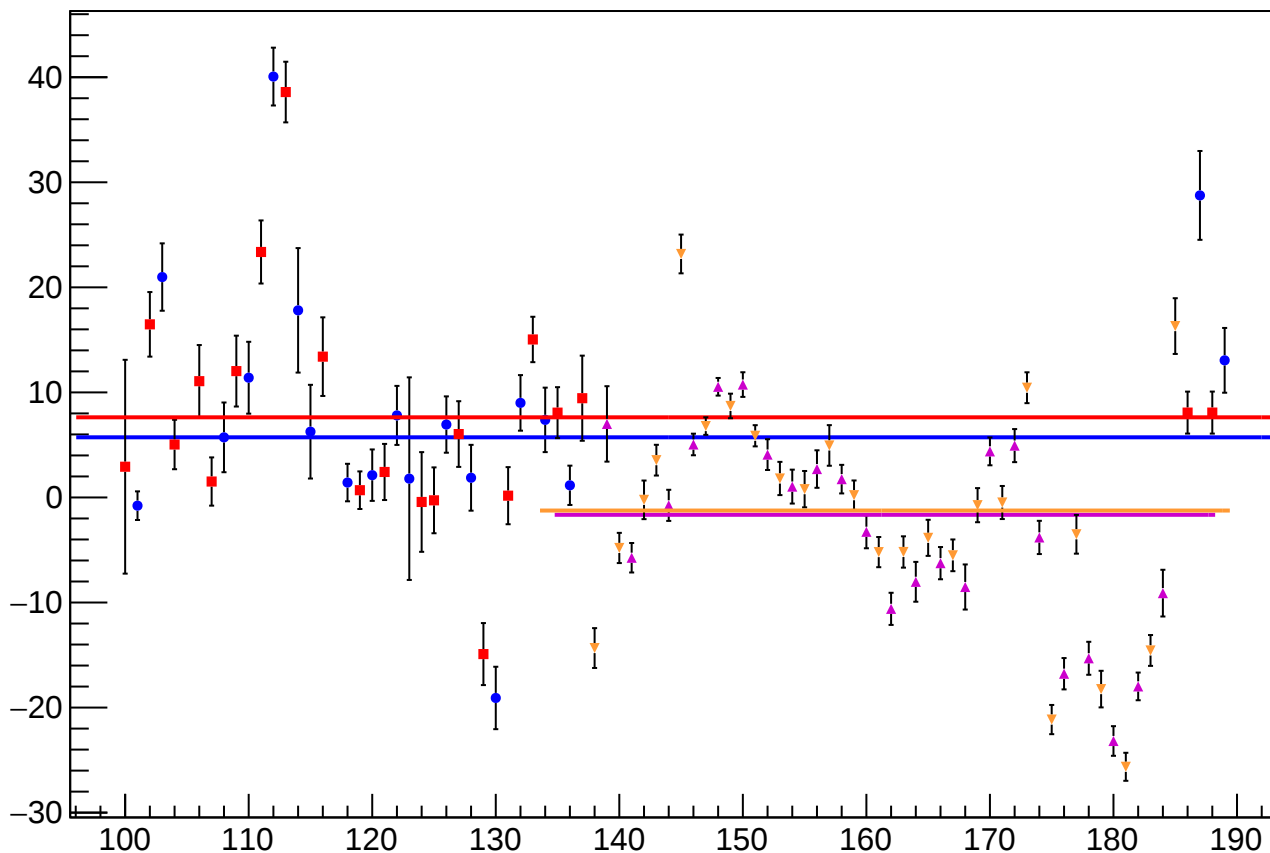
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -55.071 ± 0.375 χ^2/NDF : 6194.1/26

All: -58.291 ± 0.262 χ^2/NDF : 15149.2/51

- sign -61.352 ± 0.366 χ^2/NDF : 8811.4/24

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 5.725 $\pm$ 0.610 χ^2/NDF : 331.3/18

Left Out: -1.245 $\pm$ 0.292 χ^2/NDF :1322.6/24

Right Out: 7.628 $\pm$ 0.592 χ^2/NDF : 270.7/20

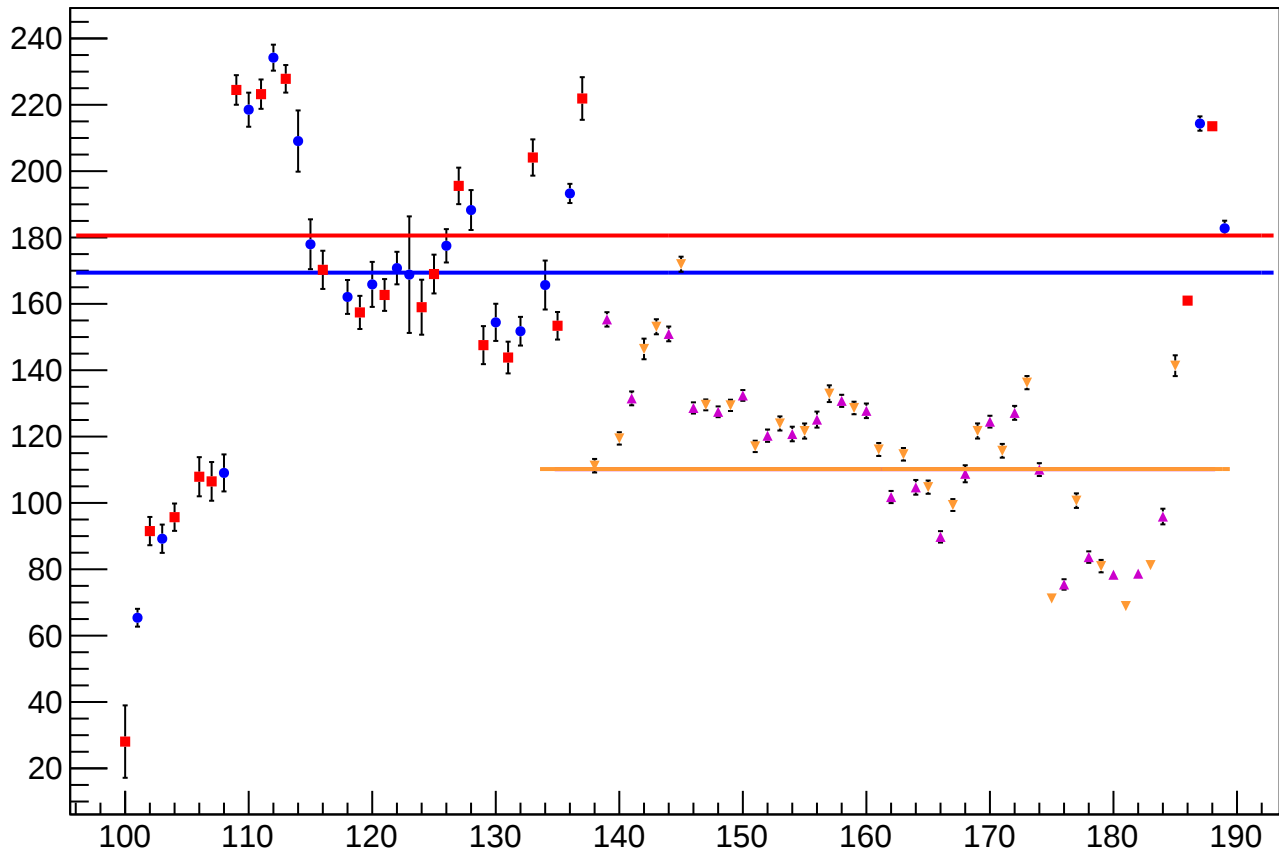
Left In: -1.650 $\pm$ 0.300 χ^2/NDF :1092.2/22

+ sign 0.054 $\pm$ 0.263 χ^2/NDF : 1760.4/43

All: 0.150 $\pm$ 0.188 χ^2/NDF : 3319.1/87

- sign 0.249 $\pm$ 0.268 χ^2/NDF : 1558.5/43

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 169.409 $\pm$ 0.929 χ^2 /NDF: 2929.0/18

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 180.602 $\pm$ 0.698 χ^2 /NDF: 2971.8/20

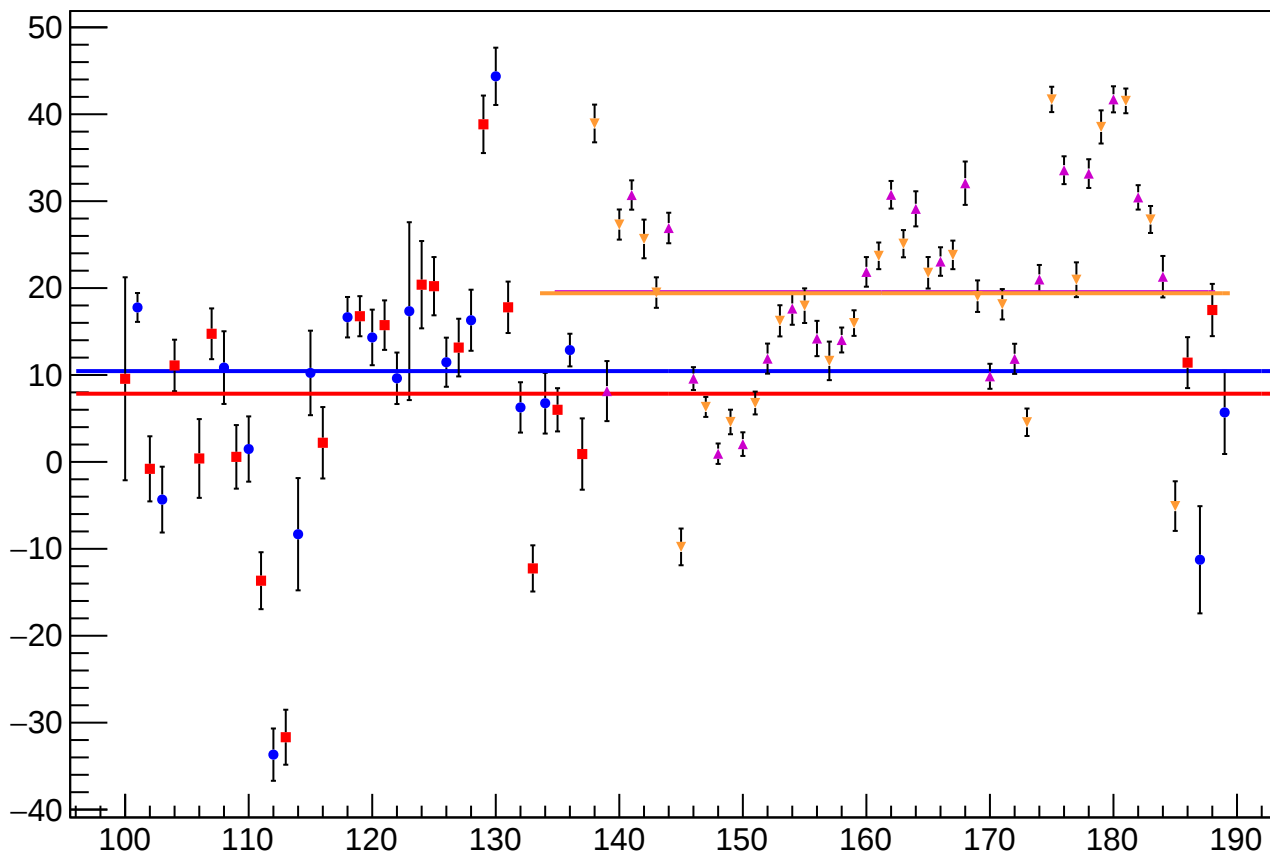
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 118.770 $\pm$ 0.353 χ^2 /NDF: 10993.4/43

All: 122.886 $\pm$ 0.244 χ^2 /NDF: 25716.7/87

- sign 126.648 $\pm$ 0.338 χ^2 /NDF: 14463.6/43

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.448 $\pm$ 0.708 χ^2 /NDF: 400.0/18

Left Out: 19.405 $\pm$ 0.335 χ^2 /NDF:1453.4/24

Right Out: 7.847 $\pm$ 0.705 χ^2 /NDF: 436.3/20

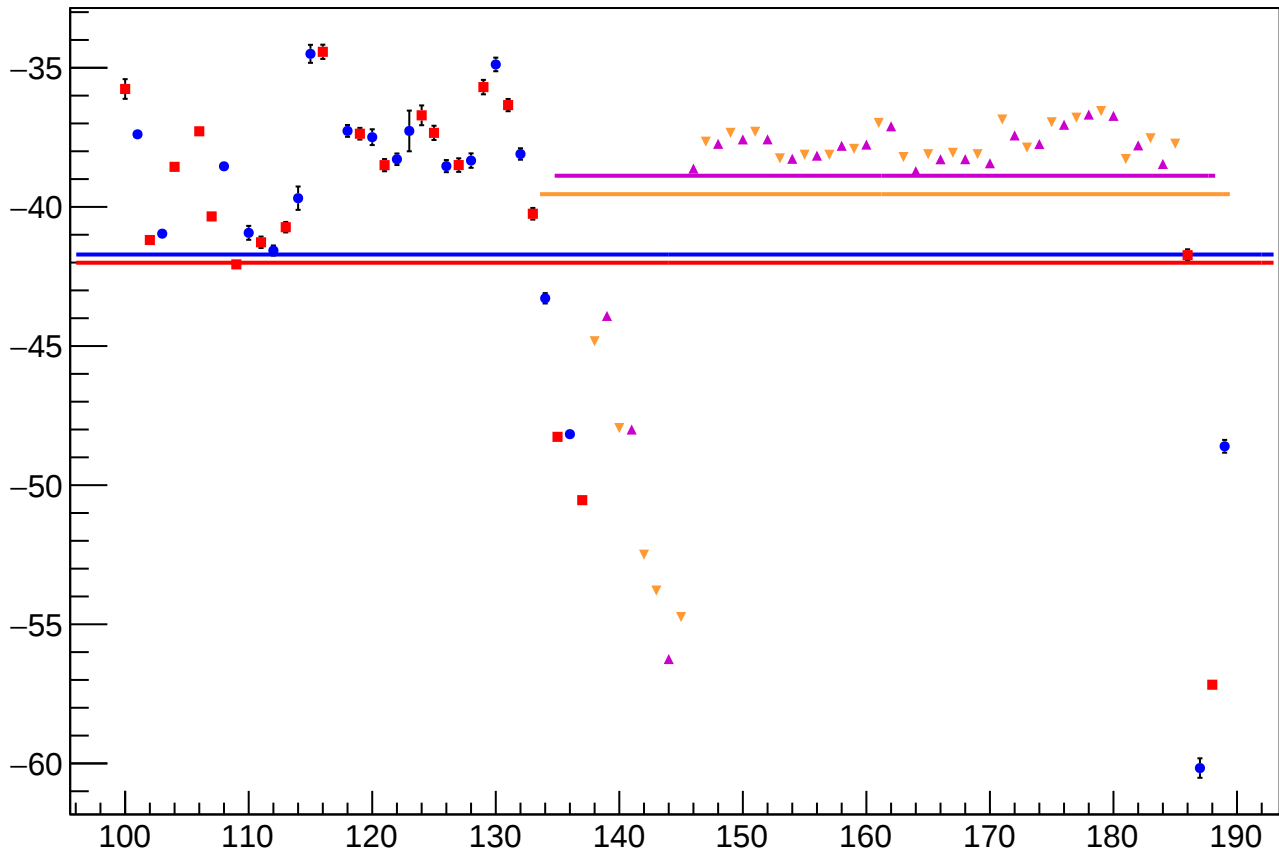
Left In: 19.530 $\pm$ 0.342 χ^2 /NDF:1181.3/22

+ sign 17.769 $\pm$ 0.303 χ^2 /NDF: 1984.2/43

All: 17.539 $\pm$ 0.216 χ^2 /NDF: 3825.2/87

- sign 17.300 $\pm$ 0.308 χ^2 /NDF: 1839.8/43

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.711 ± 0.038 χ^2/NDF : 16291.8/18

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -42.006 ± 0.037 χ^2/NDF : 21664.9/20

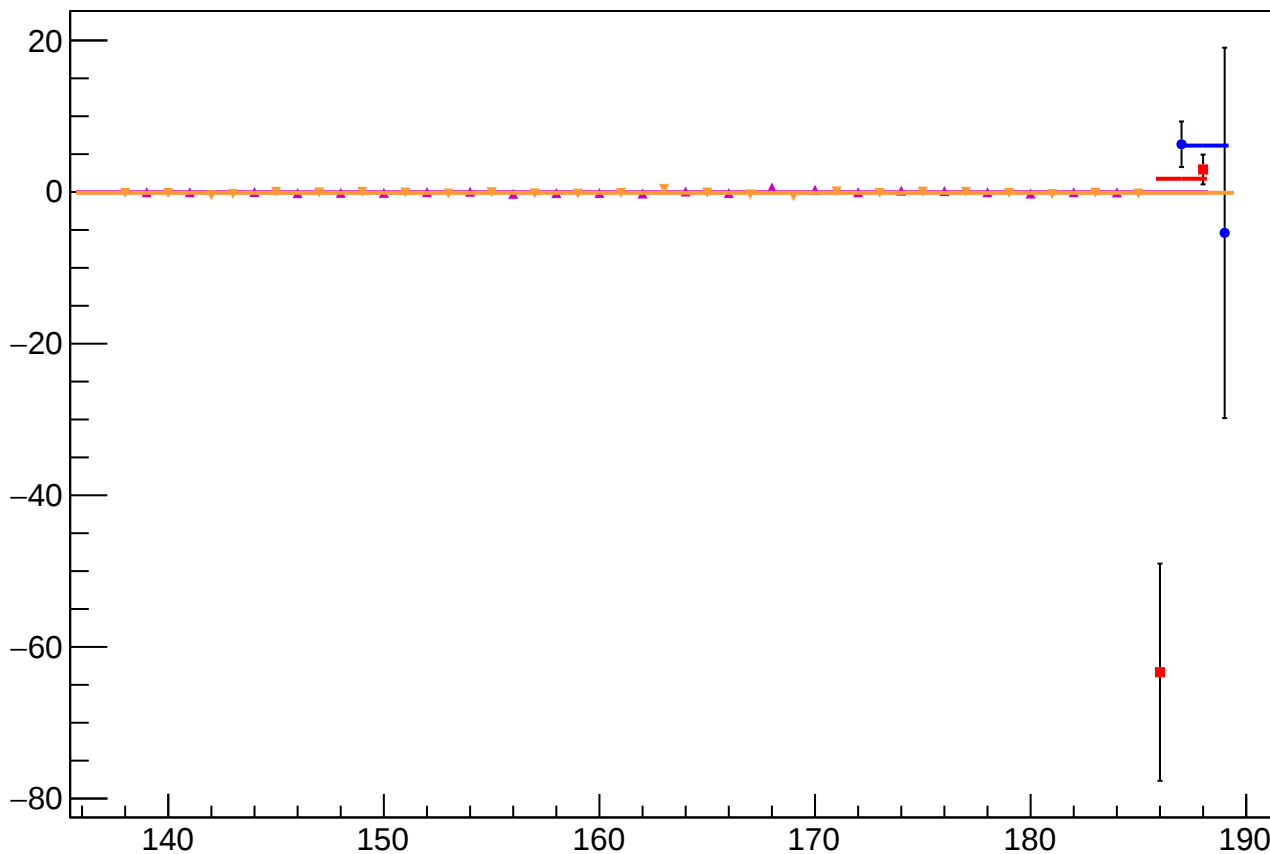
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.861 ± 0.015 χ^2/NDF : 111111.7/43

All: -39.614 ± 0.010 χ^2/NDF : 192789.9/87

- sign -39.365 ± 0.015 χ^2/NDF : 81097.2/43

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 6.130 $\pm$ 2.984 χ^2 /NDF: 0.2/1

Left Out: -0.095 $\pm$ 0.022 χ^2 /NDF: 41.8/24

Right Out: 1.755 $\pm$ 1.945 χ^2 /NDF: 21.0/1

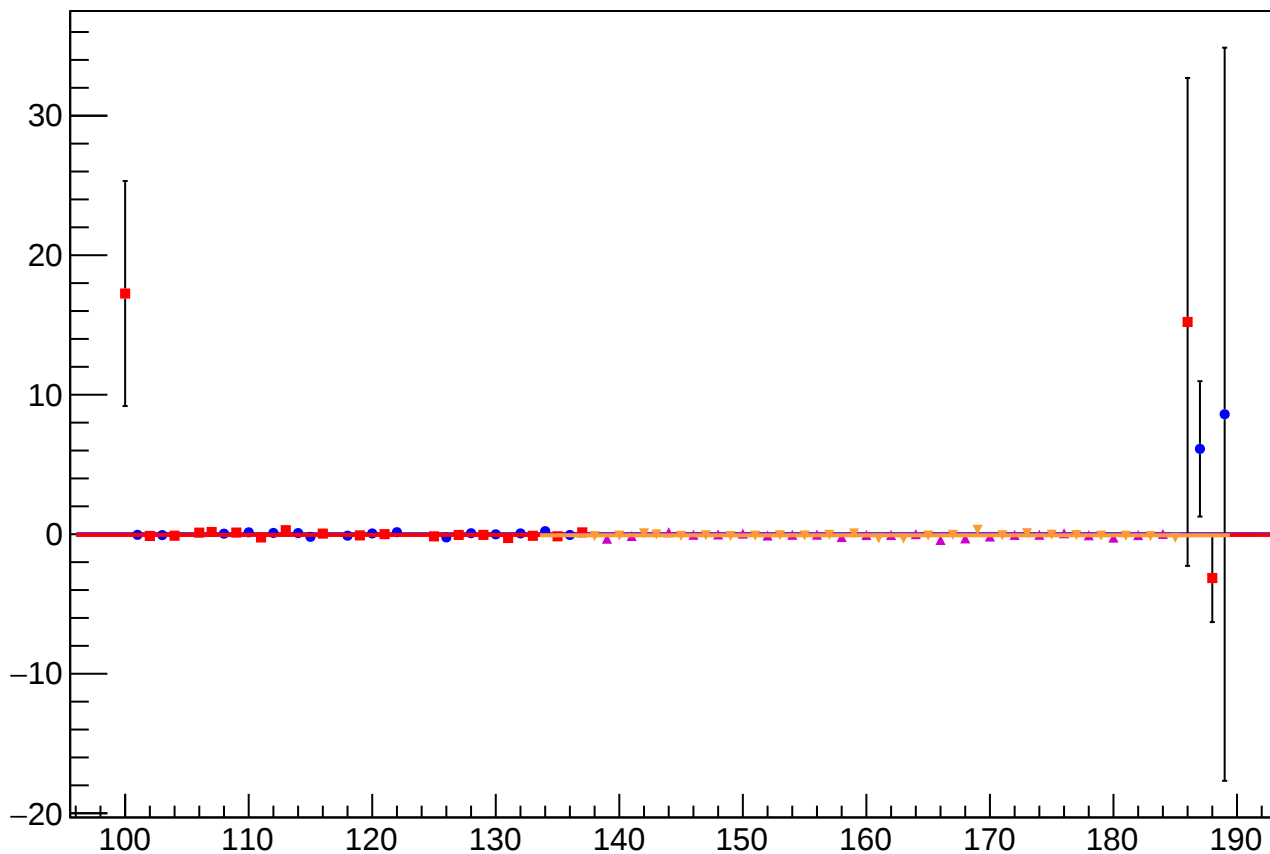
Left In: -0.026 $\pm$ 0.022 χ^2 /NDF: 33.3/22

+ sign -0.094 $\pm$ 0.022 χ^2 /NDF: 46.4/26

All: -0.061 $\pm$ 0.016 χ^2 /NDF: 106.5/51

- sign -0.025 $\pm$ 0.022 χ^2 /NDF: 55.2/24

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 14.4/17

Left Out: -0.078 ± 0.017 χ^2/NDF : 26.6/24

Right Out: -0.050 ± 0.029 χ^2/NDF : 27.2/19

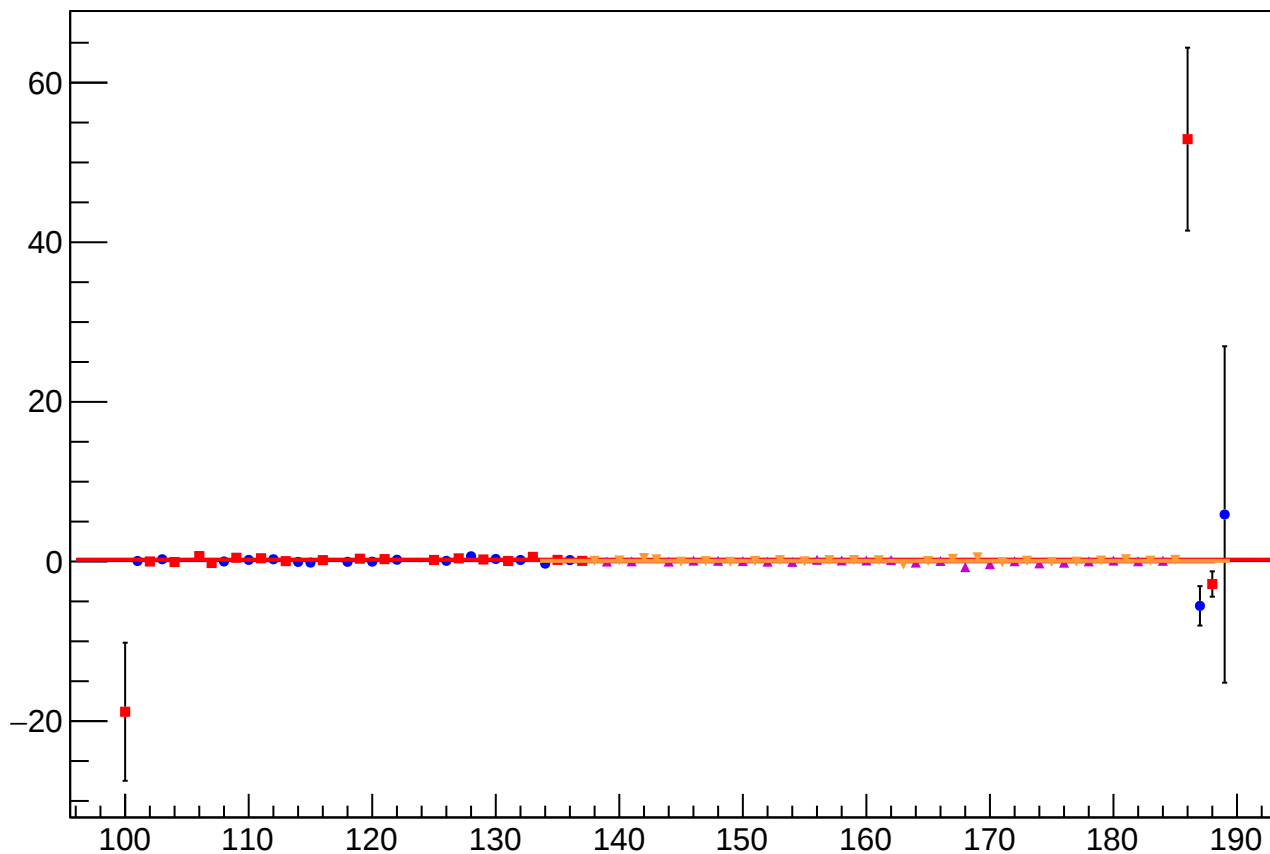
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.058 ± 0.015 χ^2/NDF : 46.2/42

All: -0.055 ± 0.010 χ^2/NDF : 105.2/85

- sign -0.052 ± 0.015 χ^2/NDF : 58.9/42

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 $\pm$ 0.053 χ^2 /NDF: 17.9/17

Left Out: 0.088 $\pm$ 0.022 χ^2 /NDF:40.7/24

Right Out: 0.233 $\pm$ 0.054 χ^2 /NDF: 46.4/19

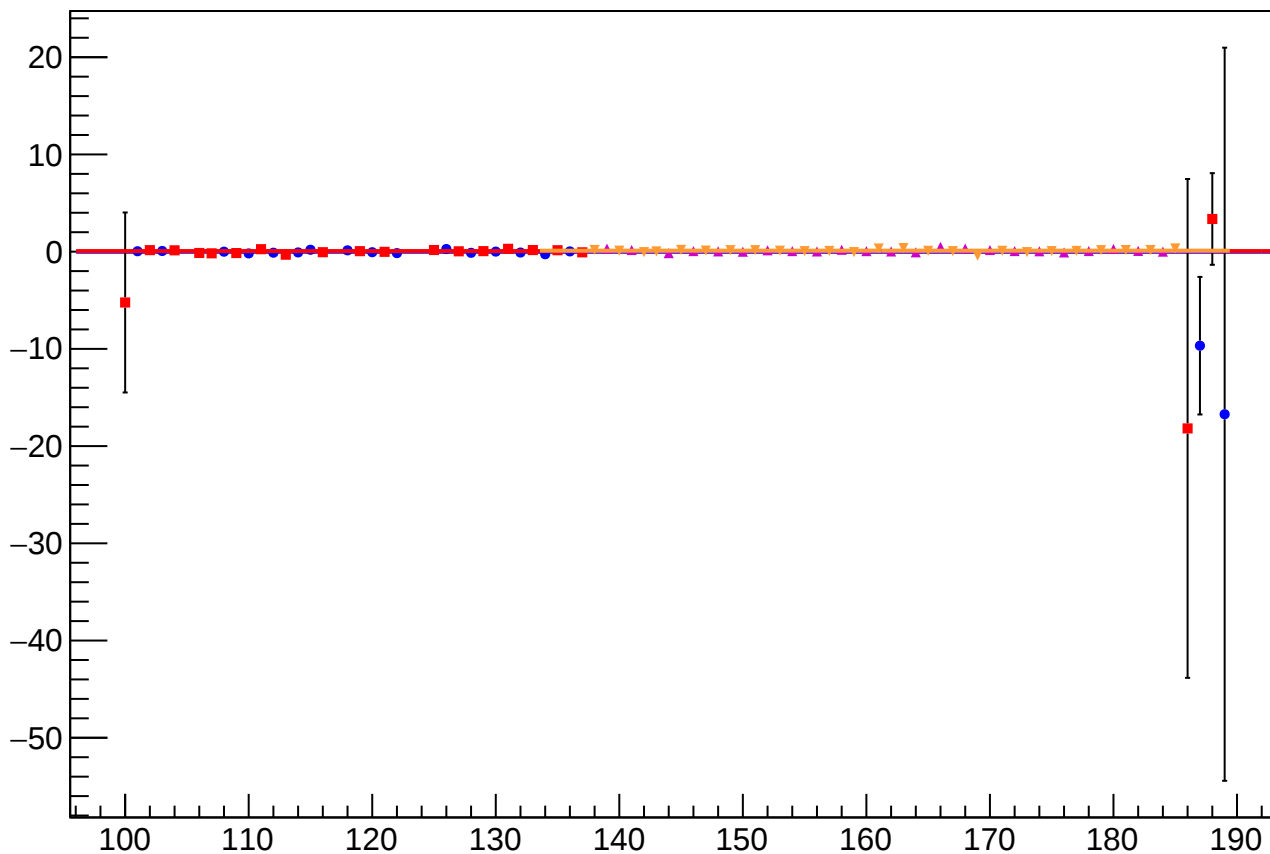
Left In: 0.020 $\pm$ 0.022 χ^2 /NDF:35.6/22

+ sign 0.100 $\pm$ 0.020 χ^2 /NDF: 60.8/42

All: 0.076 $\pm$ 0.014 χ^2 /NDF: 158.9/85

- sign 0.051 $\pm$ 0.021 χ^2 /NDF: 95.3/42

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 16.1/17

Left Out: 0.102 ± 0.019 χ^2/NDF : 30.2/24

Right Out: 0.057 ± 0.034 χ^2/NDF : 21.3/19

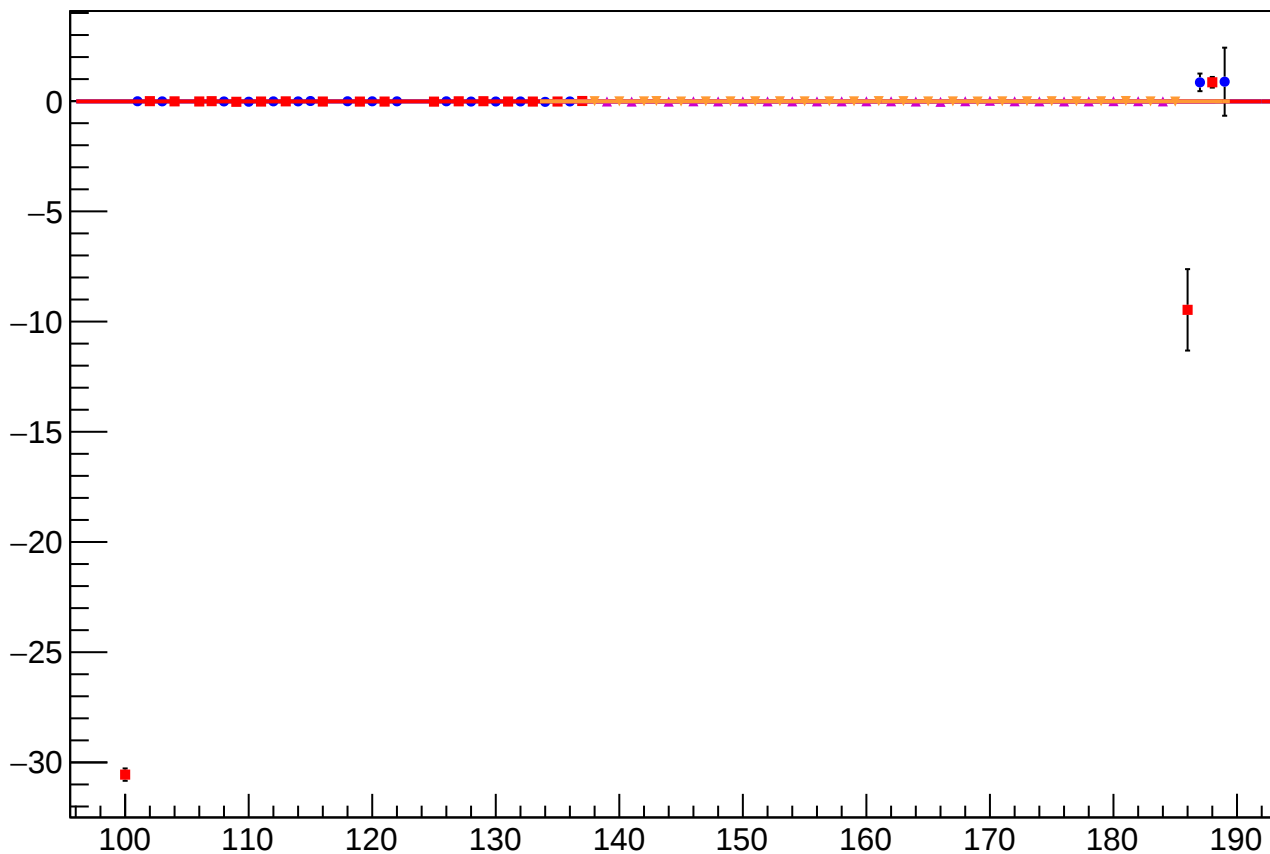
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.074 ± 0.017 χ^2/NDF : 54.4/42

All: 0.070 ± 0.012 χ^2/NDF : 107.3/85

- sign 0.066 ± 0.017 χ^2/NDF : 52.8/42

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 17.8/17

Left Out: -0.008 ± 0.001 χ^2/NDF : 34.7/24

Right Out: -0.012 ± 0.002 χ^2/NDF : 11929.9/19

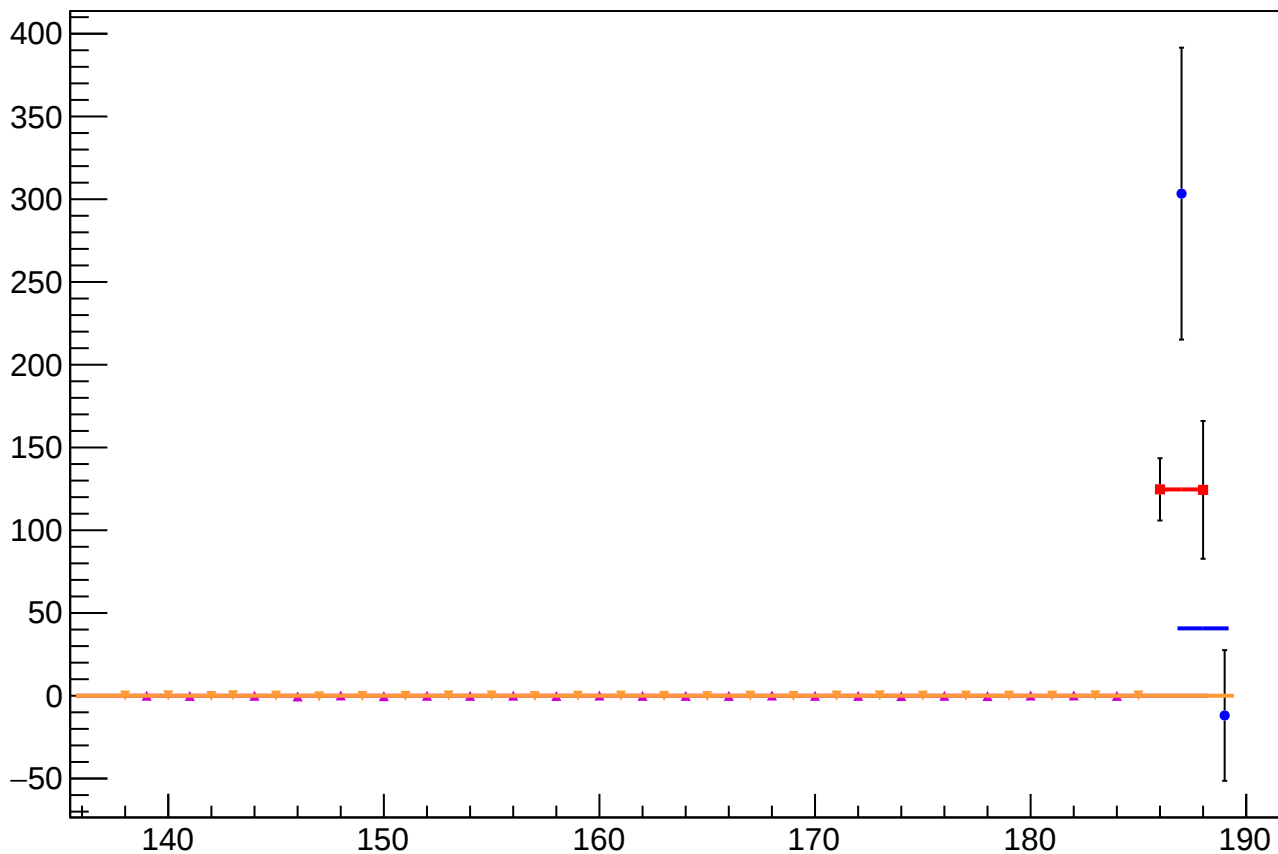
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.008 ± 0.001 χ^2/NDF : 57.0/42

All: -0.009 ± 0.001 χ^2/NDF : 12031.0/85

- sign -0.009 ± 0.001 χ^2/NDF : 11973.3/42

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 40.717 $\pm$ 36.028 χ^2 /NDF: 10.6/1

Left Out: 0.017 $\pm$ 0.027 χ^2 /NDF:30.9/24

Right Out: 124.653 $\pm$ 17.150 χ^2 /NDF: 0.0/1

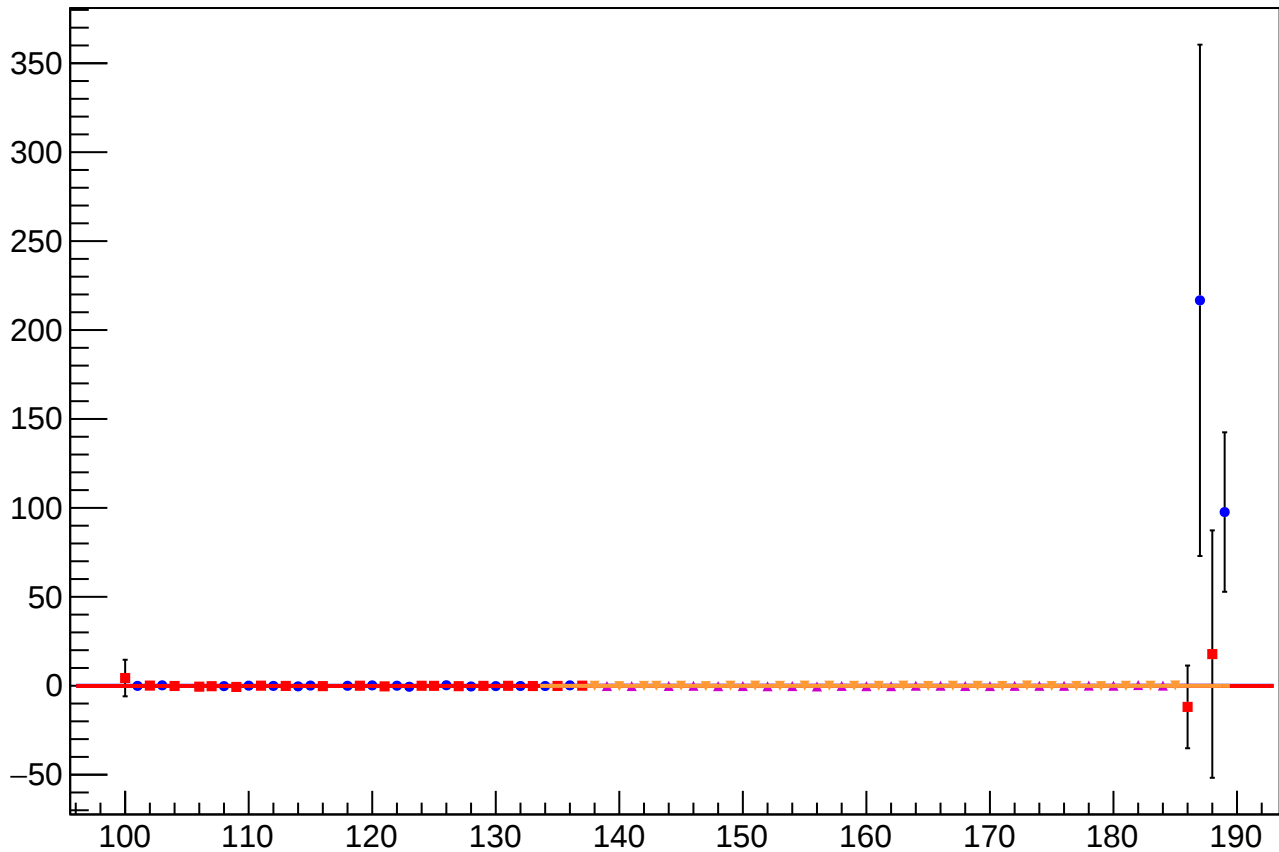
Left In: 0.002 $\pm$ 0.028 χ^2 /NDF:29.0/22

+ sign 0.017 $\pm$ 0.027 χ^2 /NDF: 42.9/26

All: 0.010 $\pm$ 0.019 χ^2 /NDF: 124.9/51

- sign 0.003 $\pm$ 0.028 χ^2 /NDF: 81.8/24

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 30.0/18

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 18.8/20

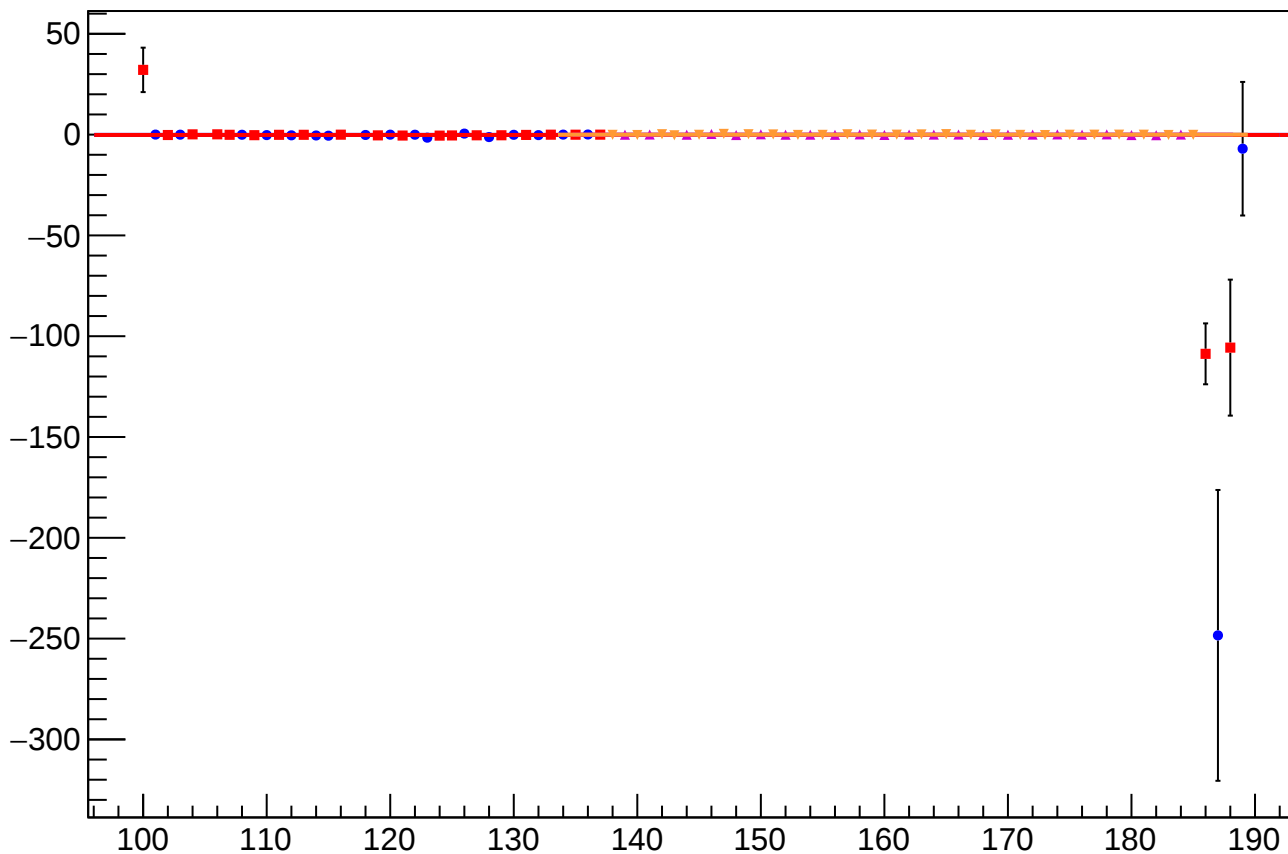
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 55.4/43

All: -0.066 ± 0.013 χ^2/NDF : 125.8/87

- sign -0.083 ± 0.019 χ^2/NDF : 68.9/43

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 36.6/18

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 75.8/20

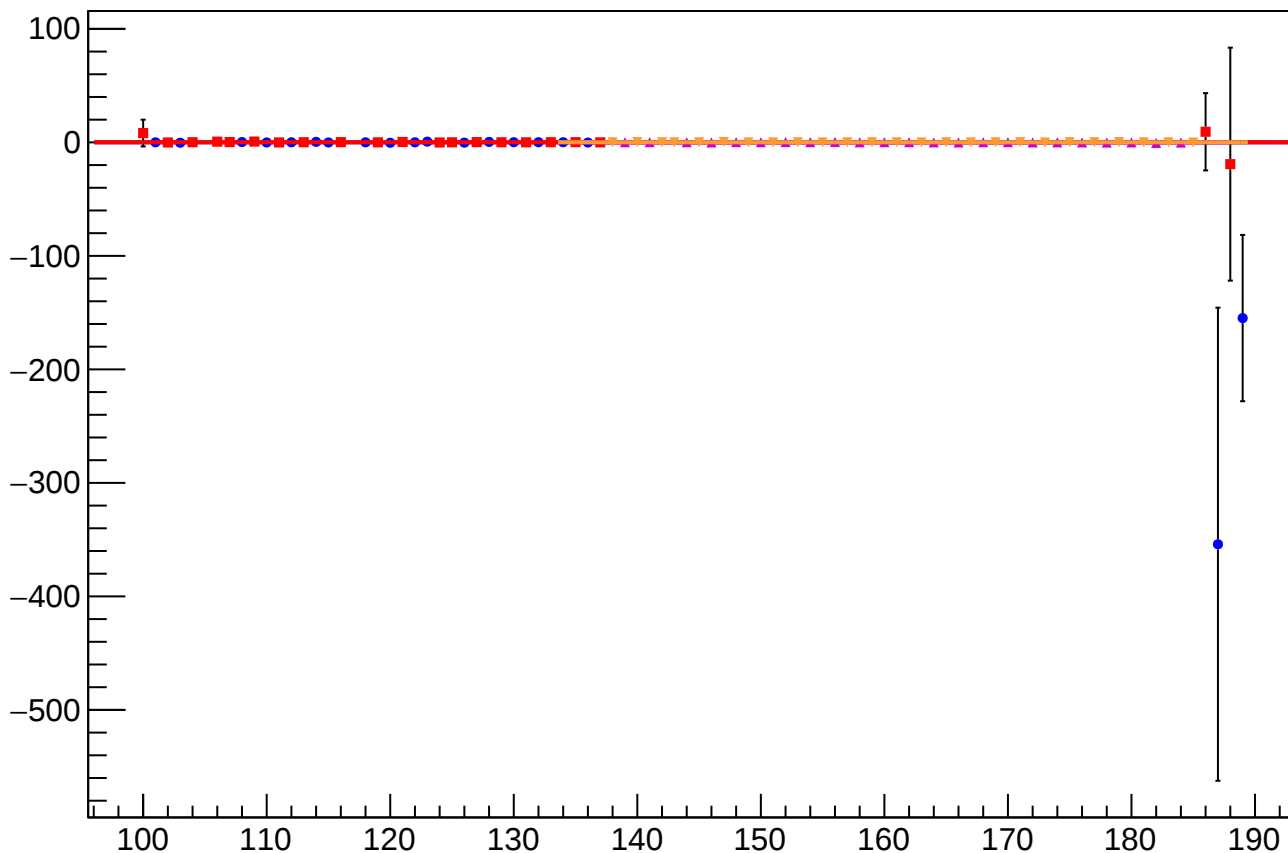
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 68.3/43

All: -0.042 ± 0.018 χ^2/NDF : 175.9/87

- sign -0.050 ± 0.026 χ^2/NDF : 107.4/43

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.019 $\pm$ 0.043 χ^2 /NDF: 29.0/18

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF: 24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 16.9/20

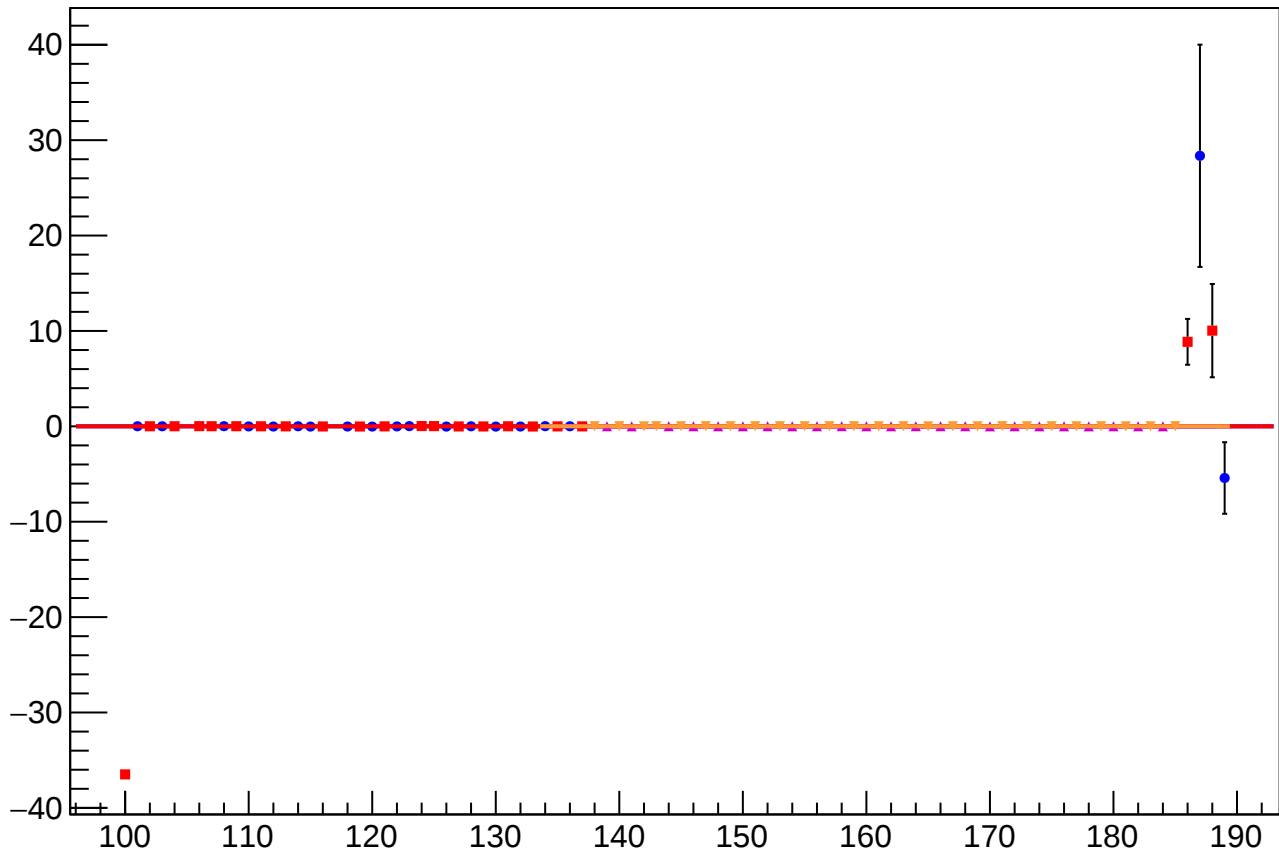
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF: 51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 54.4/43

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 126.5/87

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 70.9/43

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 38.5/18

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10466.9/20

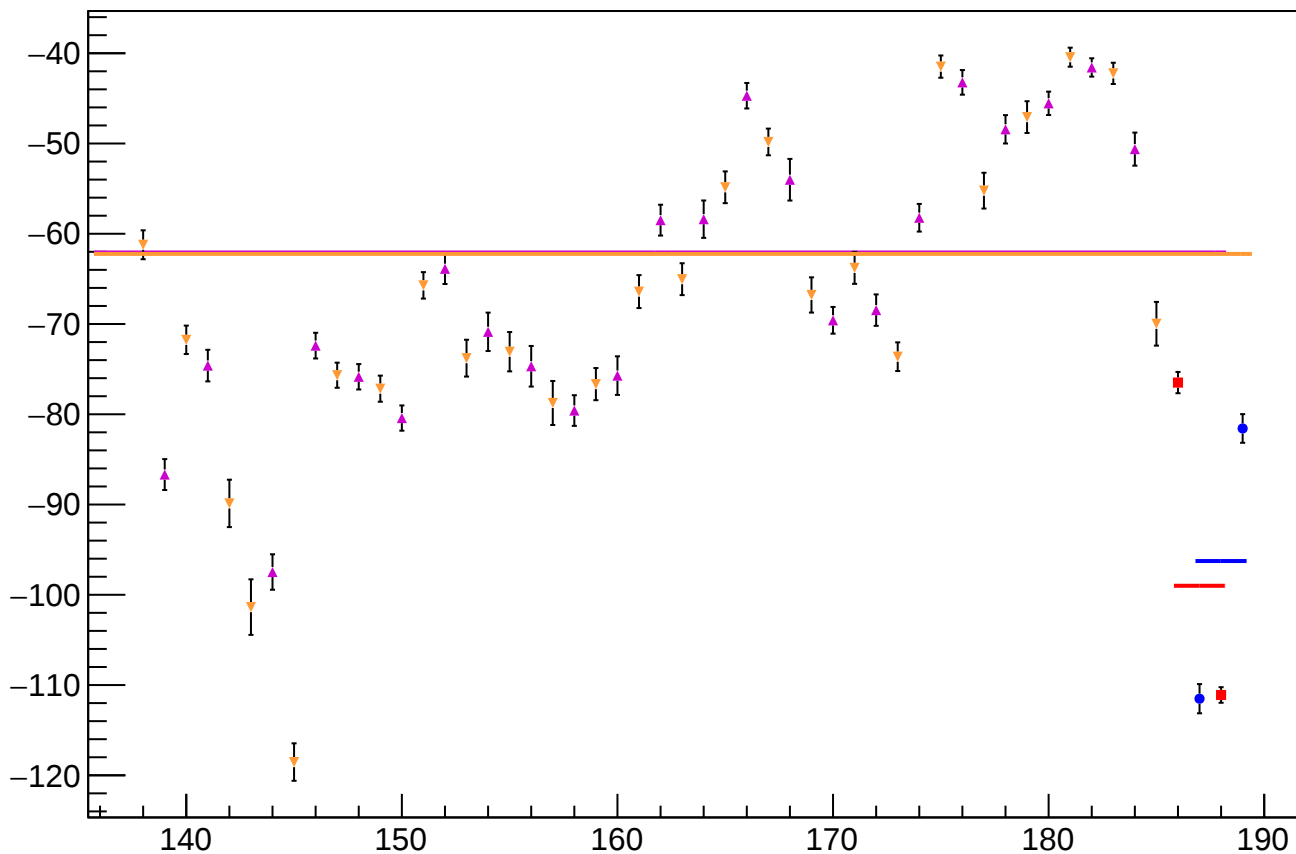
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 72.9/43

All: 0.007 ± 0.001 χ^2/NDF : 10565.3/87

- sign 0.007 ± 0.001 χ^2/NDF : 10492.3/43

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -96.260 $\pm$ 1.133 χ^2 /NDF: 174.5/1

Left Out: -62.232 $\pm$ 0.332 χ^2 /NDF: 2668.5/24

Right Out: -99.001 $\pm$ 0.697 χ^2 /NDF: 561.0/1

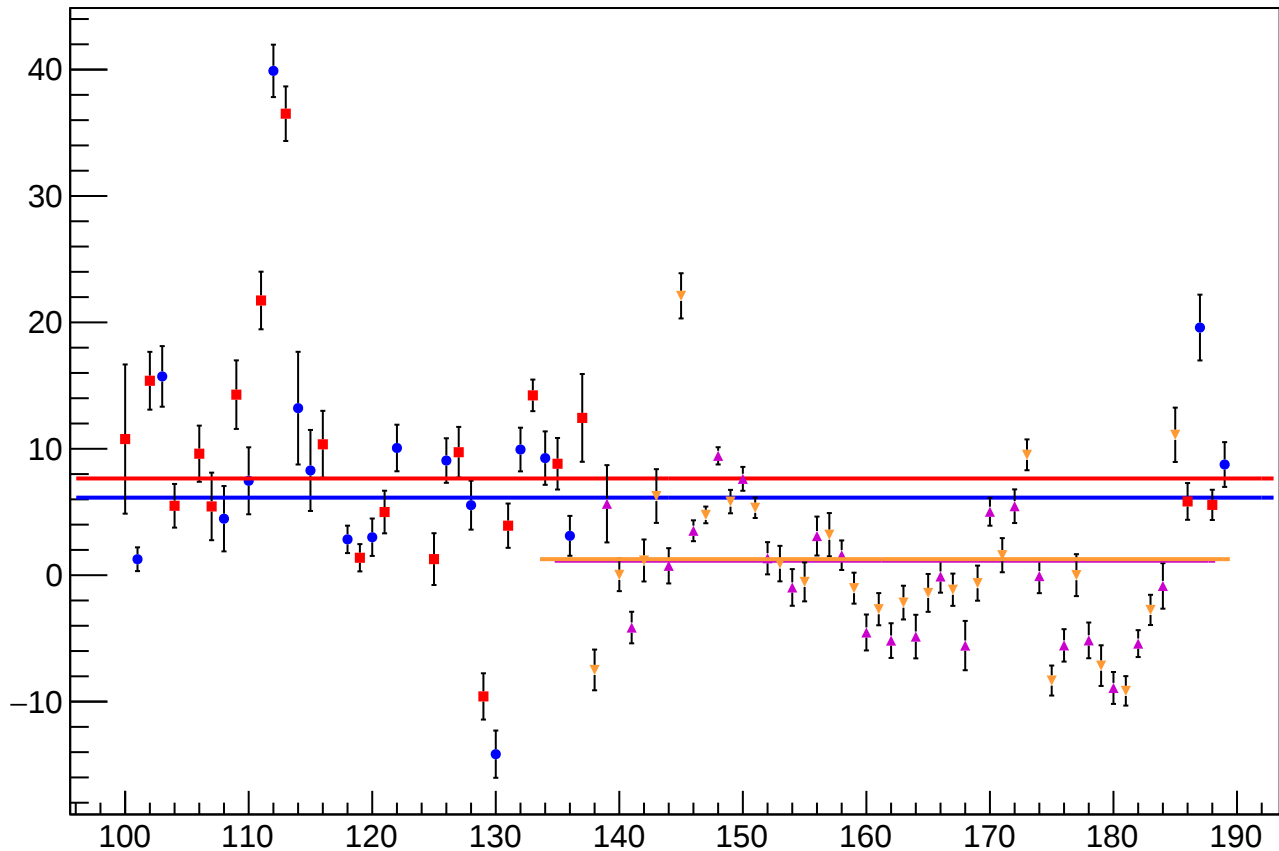
Left In: -62.073 $\pm$ 0.332 χ^2 /NDF: 2192.0/22

+ sign -64.922 $\pm$ 0.319 χ^2 /NDF: 3673.9/26

All: -67.039 $\pm$ 0.218 χ^2 /NDF: 8798.3/51

- sign -68.916 $\pm$ 0.300 χ^2 /NDF: 5041.0/24

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 6.136 ± 0.412 $\chi^2/\text{NDF}: 490.4/17$

Left Out: 1.269 ± 0.251 $\chi^2/\text{NDF}: 531.9/24$

Right Out: 7.652 ± 0.407 $\chi^2/\text{NDF}: 413.4/19$

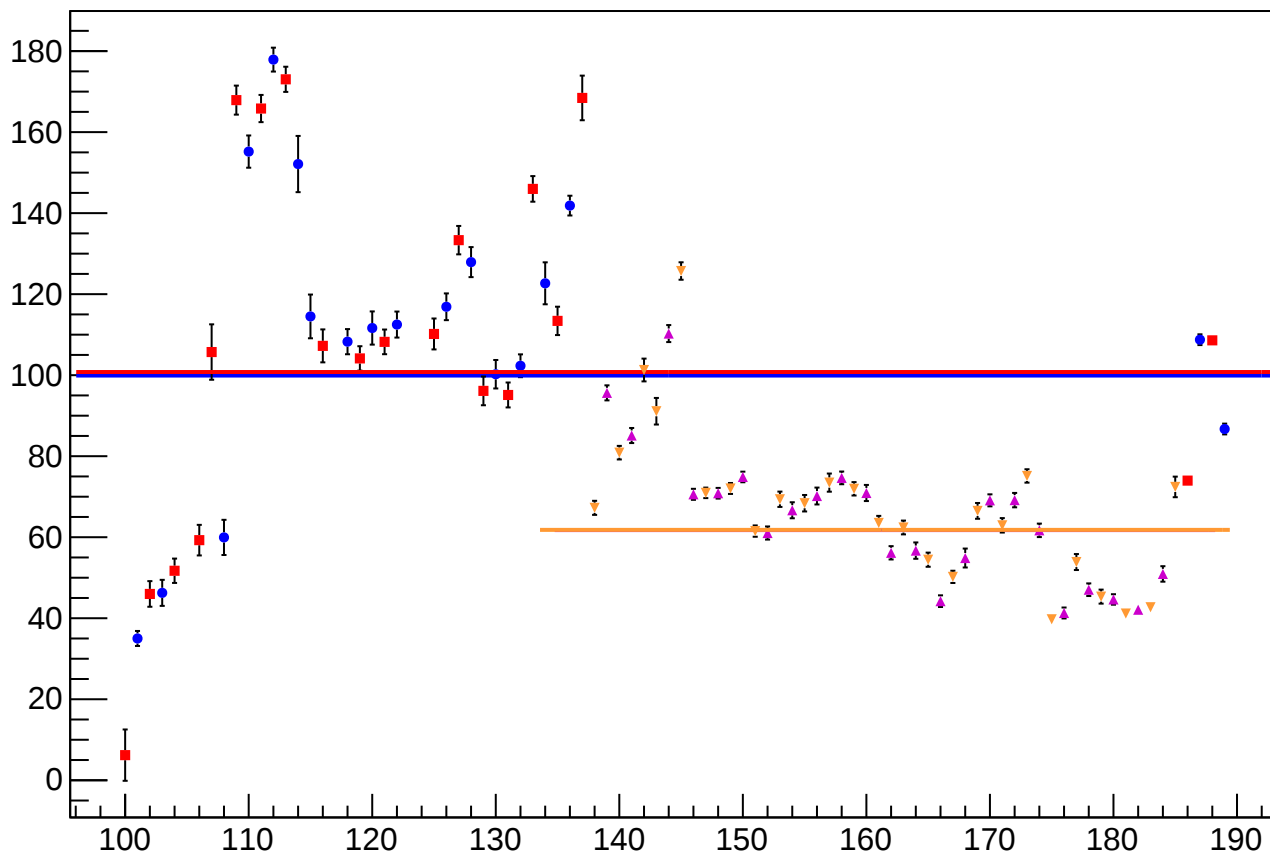
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 2.583 ± 0.214 $\chi^2/\text{NDF}: 1124.0/42$

All: 2.782 ± 0.152 $\chi^2/\text{NDF}: 2185.5/85$

- sign 2.984 ± 0.216 $\chi^2/\text{NDF}: 1059.8/42$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 99.911 $\pm$ 0.615 χ^2 /NDF: 3119.5/17

Left Out: 61.812 $\pm$ 0.331 χ^2 /NDF: 2686.4/24

Right Out: 100.781 $\pm$ 0.465 χ^2 /NDF: 3592.1/19

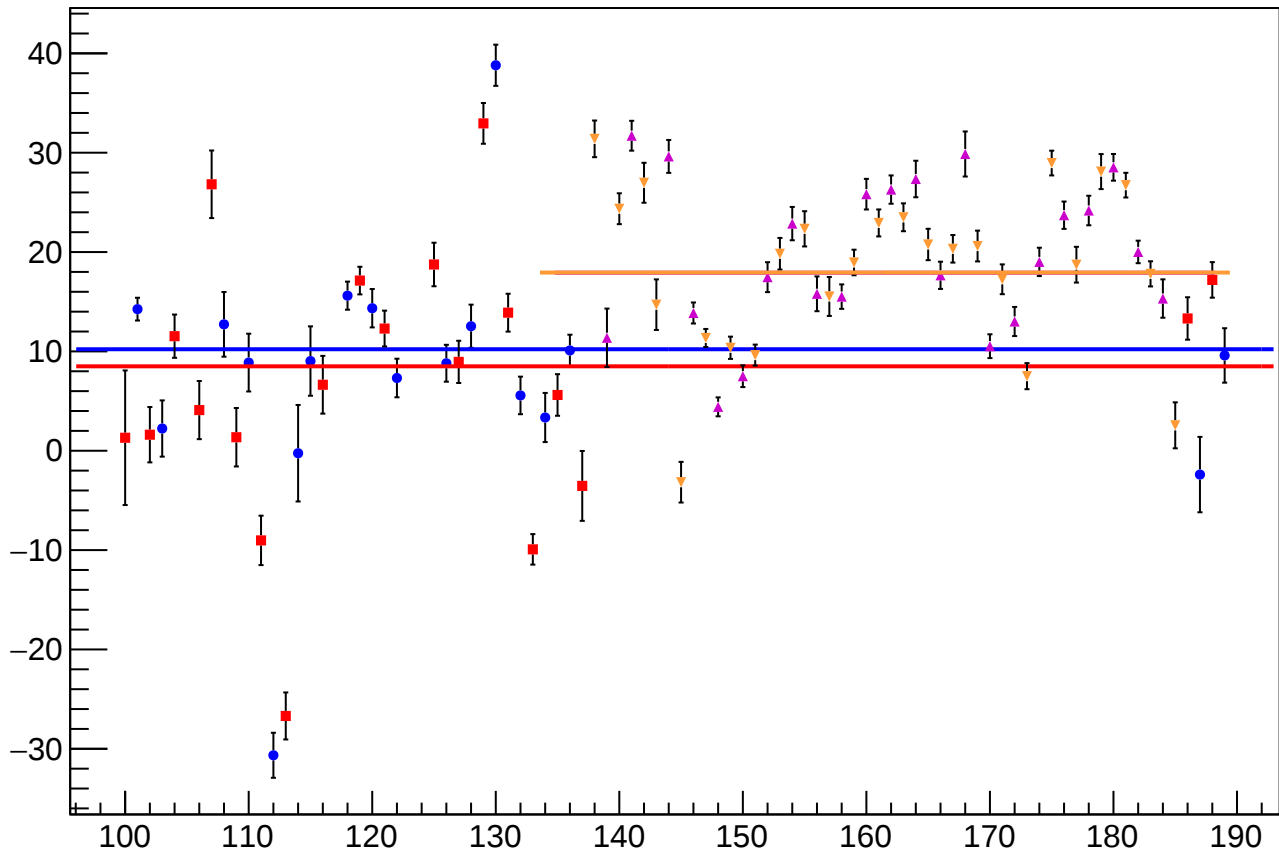
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 70.347 $\pm$ 0.291 χ^2 /NDF: 8780.5/42

All: 72.769 $\pm$ 0.198 χ^2 /NDF: 19604.4/85

- sign 74.836 $\pm$ 0.269 χ^2 /NDF: 10695.8/42

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.217 ± 0.486 χ^2/NDF : 589.3/17

Left Out: 17.937 ± 0.289 χ^2/NDF : 676.0/24

Right Out: 8.498 ± 0.490 χ^2/NDF : 719.2/19

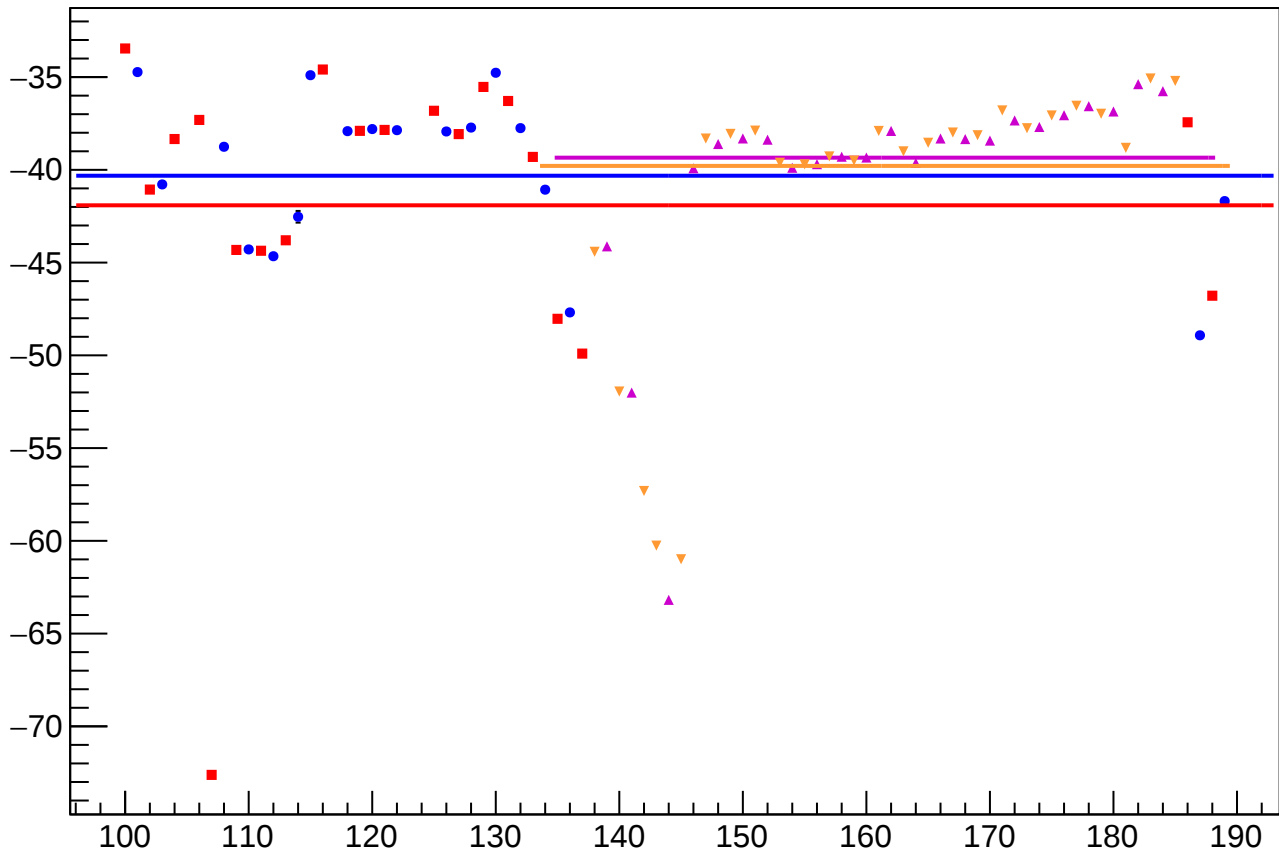
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 15.922 ± 0.248 χ^2/NDF : 1451.6/42

All: 15.684 ± 0.177 χ^2/NDF : 3172.0/85

- sign 15.441 ± 0.251 χ^2/NDF : 1718.5/42

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.317 ± 0.027 χ^2/NDF : 26839.3/17

Left Out: -39.788 ± 0.014 χ^2/NDF : 165493.8/24

Right Out: -41.912 ± 0.027 χ^2/NDF : 65466.5/19

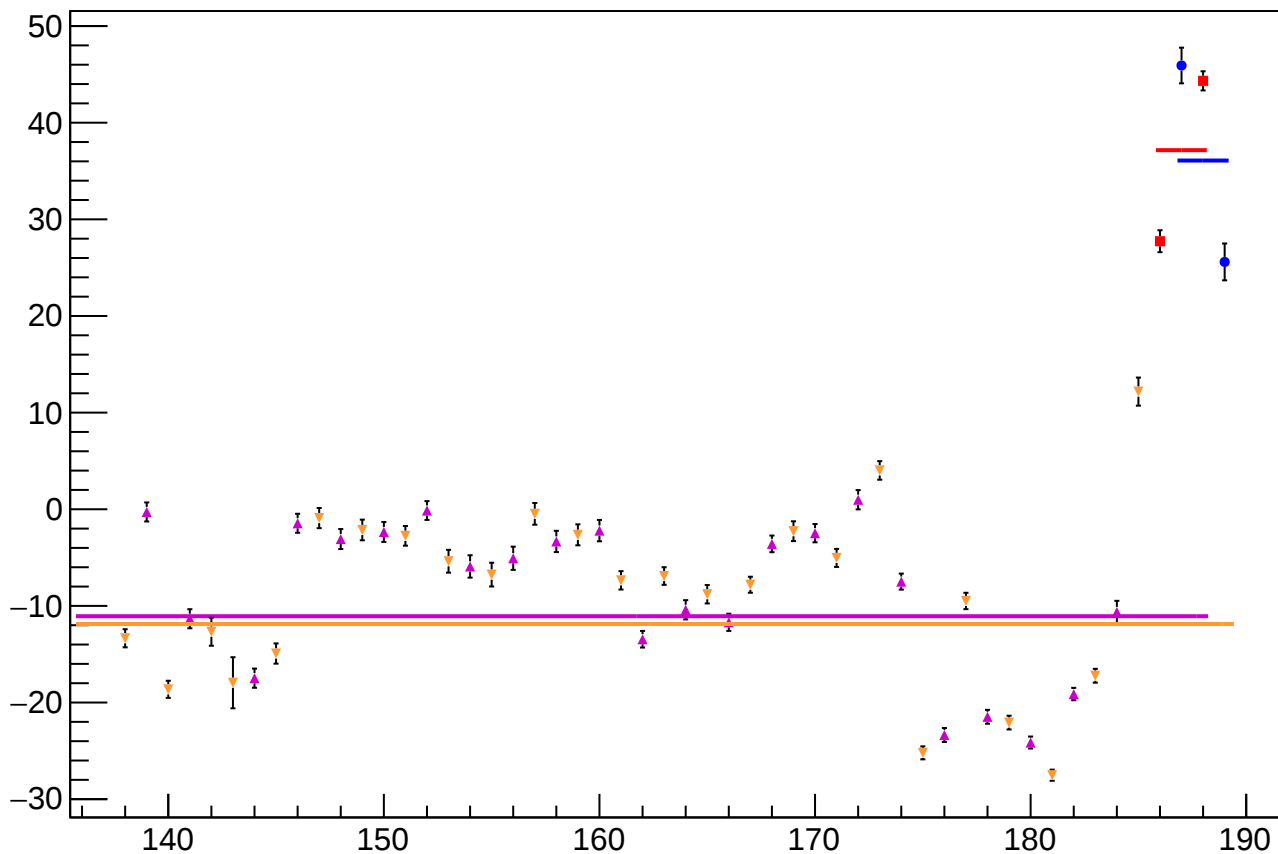
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.893 ± 0.012 χ^2/NDF : 192631.7/42

All: -39.879 ± 0.009 χ^2/NDF : 381974.6/85

- sign -39.866 ± 0.012 χ^2/NDF : 189340.5/42

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 36.085 ± 1.326 $\chi^2/\text{NDF}: 58.7/1$

Left Out: -11.873 ± 0.186 $\chi^2/\text{NDF}: 2745.2/24$

Right Out: 37.158 ± 0.746 $\chi^2/\text{NDF}: 121.4/1$

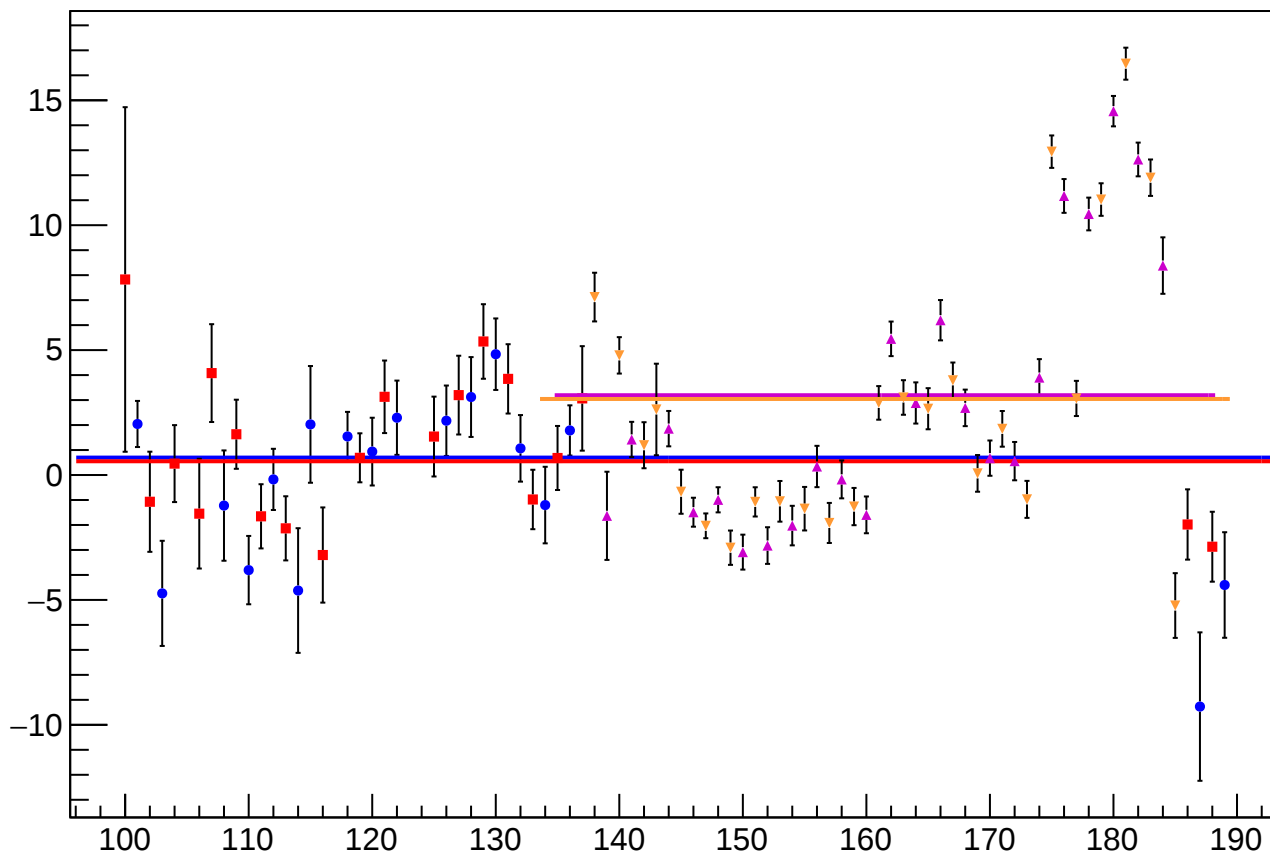
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -10.943 ± 0.185 $\chi^2/\text{NDF}: 4087.5/26$

All: -9.549 ± 0.130 $\chi^2/\text{NDF}: 10355.8/51$

- sign -8.188 ± 0.182 $\chi^2/\text{NDF}: 6155.5/24$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.698 ± 0.336 $\chi^2/\text{NDF}: 59.3/17$

Left Out: 3.044 ± 0.147 $\chi^2/\text{NDF}: 1457.3/24$

Right Out: 0.550 ± 0.333 $\chi^2/\text{NDF}: 52.4/19$

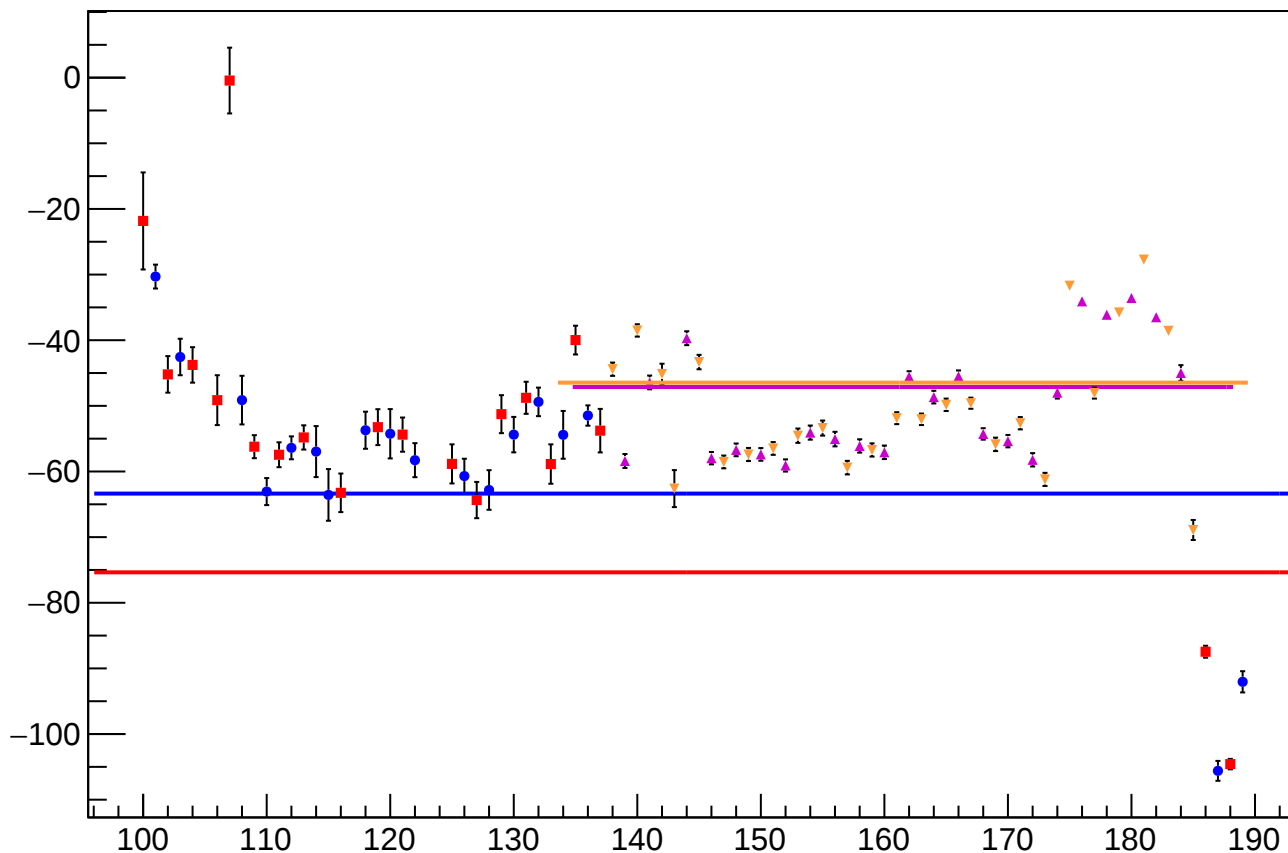
Left In: 3.194 ± 0.150 $\chi^2/\text{NDF}: 1295.0/22$

+ sign 2.665 ± 0.135 $\chi^2/\text{NDF}: 1557.6/42$

All: 2.706 ± 0.096 $\chi^2/\text{NDF}: 2957.5/85$

- sign 2.749 ± 0.137 $\chi^2/\text{NDF}: 1399.7/42$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -63.367 ± 0.538 χ^2/NDF : 1650.7/17

Left Out: -46.463 ± 0.186 χ^2/NDF : 3319.7/24

Right Out: -75.363 ± 0.430 χ^2/NDF : 3142.3/19

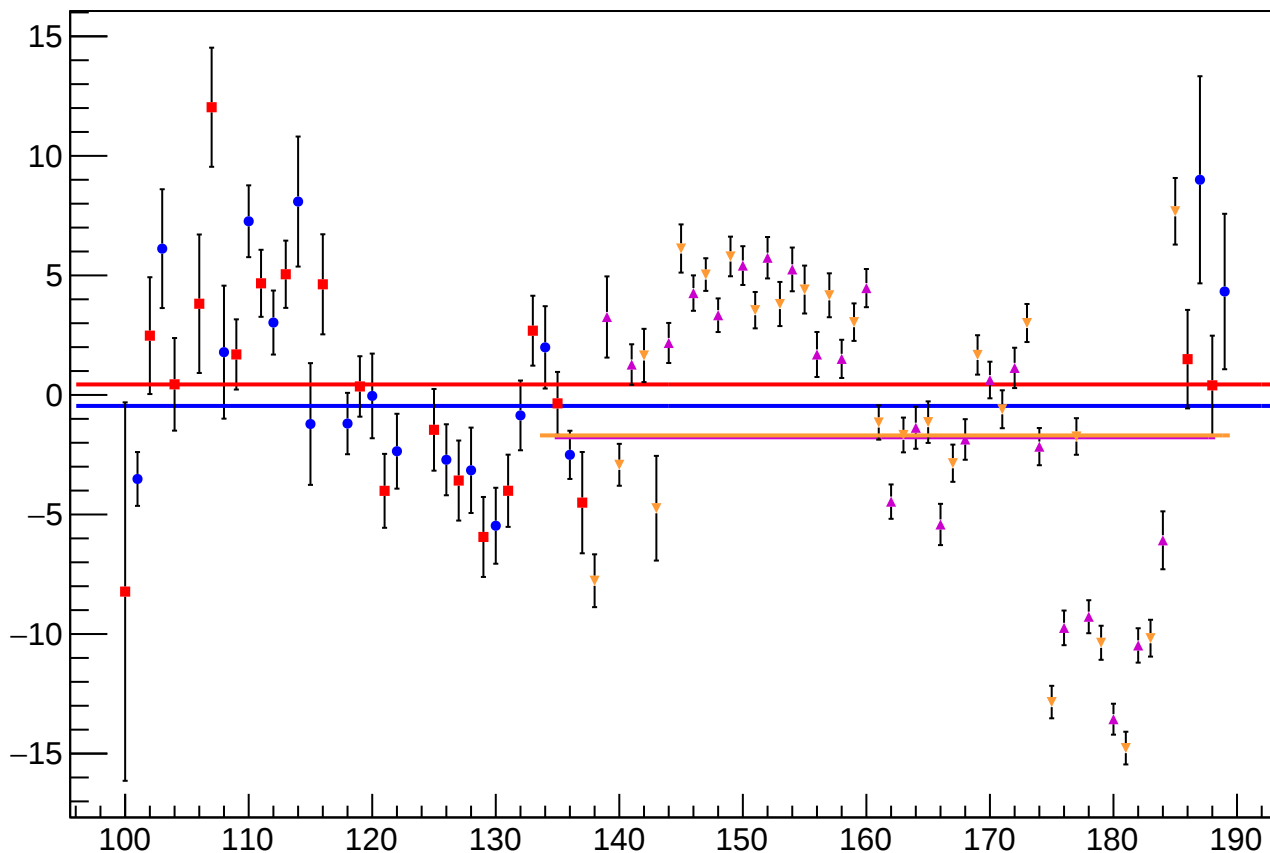
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -48.271 ± 0.176 χ^2/NDF : 5852.2/42

All: -49.988 ± 0.123 χ^2/NDF : 15318.6/85

- sign -51.623 ± 0.172 χ^2/NDF : 9280.4/42

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.459 ± 0.383 χ^2/NDF : 87.8/17

Left Out: -1.693 ± 0.167 χ^2/NDF : 1485.7/24

Right Out: 0.440 ± 0.386 χ^2/NDF : 96.4/19

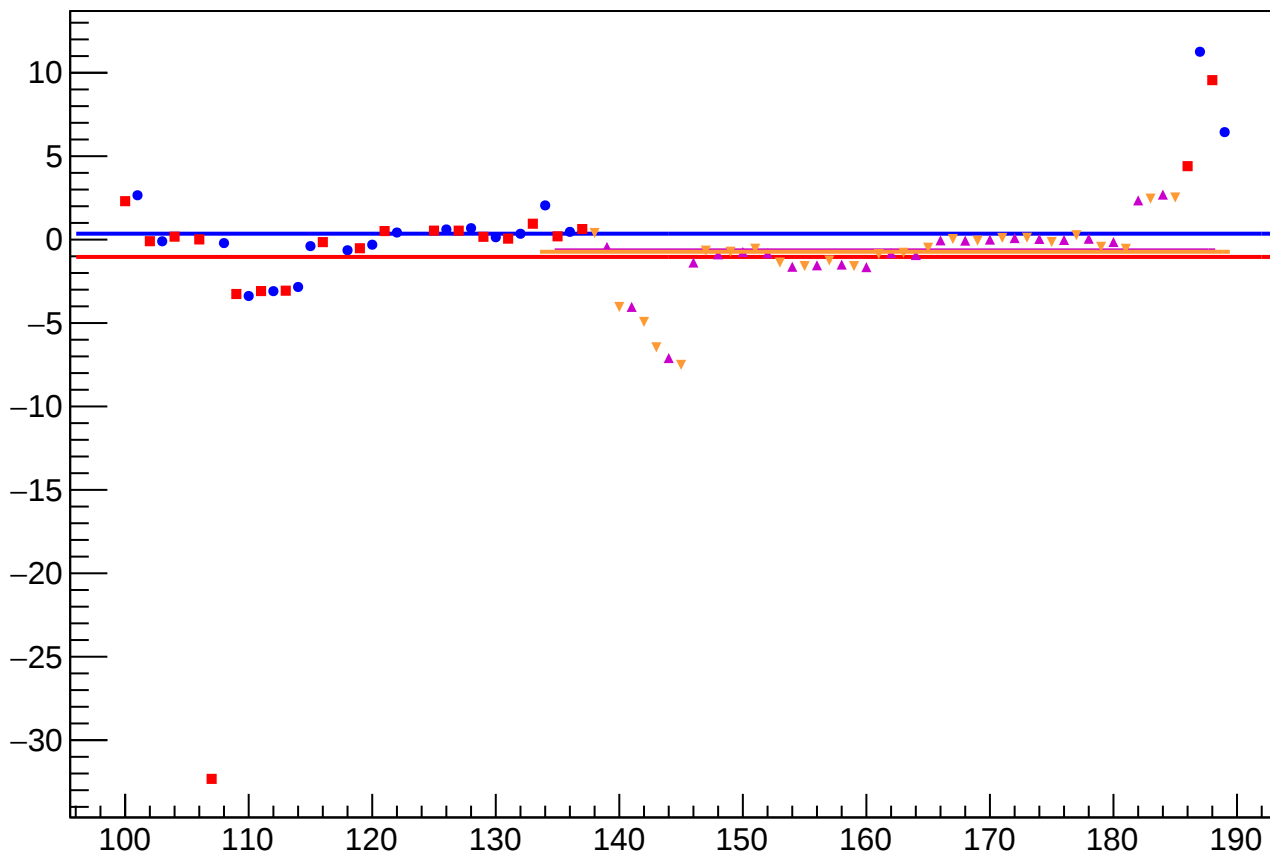
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.497 ± 0.153 χ^2/NDF : 1582.2/42

All: -1.457 ± 0.109 χ^2/NDF : 2957.6/85

- sign -1.416 ± 0.155 χ^2/NDF : 1375.2/42

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.355 ± 0.021 $\chi^2/\text{NDF}: 9091.3/17$

Left Out: -0.728 ± 0.008 $\chi^2/\text{NDF}: 56403.8/24$

Right Out: -1.038 ± 0.021 $\chi^2/\text{NDF}: 90656.0/19$

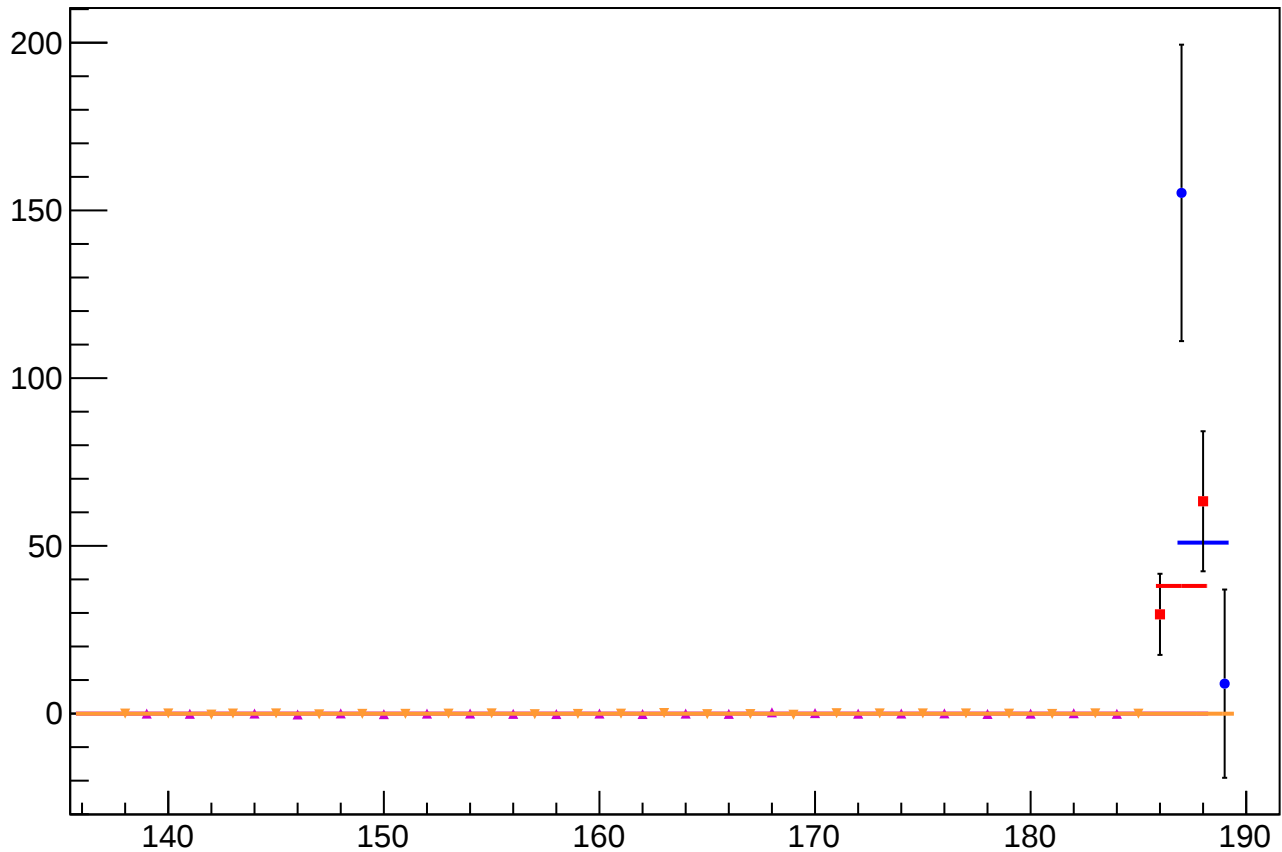
Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

+ sign -0.604 ± 0.007 $\chi^2/\text{NDF}: 67793.0/42$

All: -0.647 ± 0.005 $\chi^2/\text{NDF}: 202995.6/85$

- sign -0.690 ± 0.007 $\chi^2/\text{NDF}: 135132.3/42$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 50.963 $\pm$ 23.688 χ^2 /NDF: 7.8/1

Left Out: -0.036 $\pm$ 0.018 χ^2 /NDF:35.6/24

Right Out: 38.053 $\pm$ 10.463 χ^2 /NDF: 2.0/1

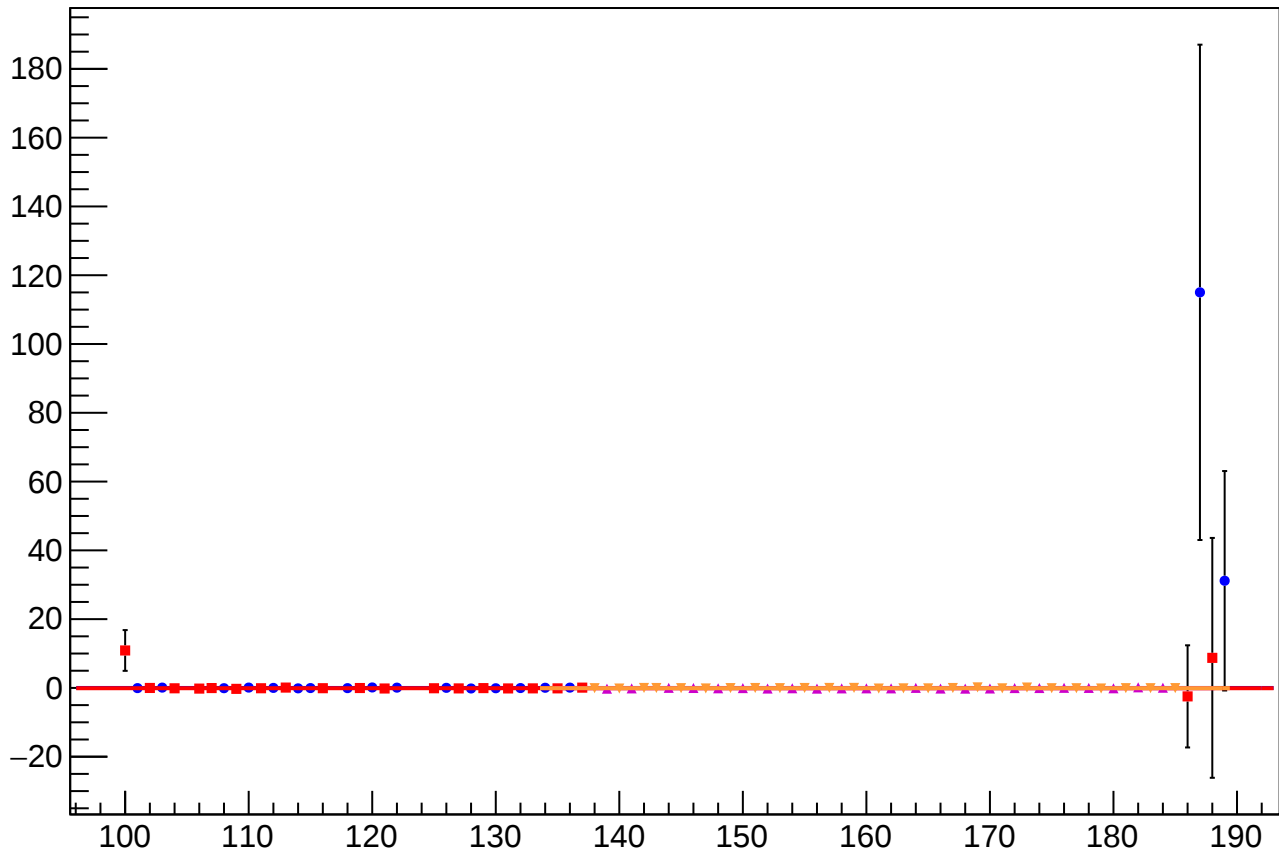
Left In: -0.010 $\pm$ 0.018 χ^2 /NDF:35.1/22

+ sign -0.036 $\pm$ 0.018 χ^2 /NDF: 48.0/26

All: -0.023 $\pm$ 0.013 χ^2 /NDF: 99.4/51

- sign -0.010 $\pm$ 0.018 χ^2 /NDF: 50.3/24

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 15.5/17

Left Out: -0.071 ± 0.014 χ^2/NDF : 28.3/24

Right Out: -0.088 ± 0.025 χ^2/NDF : 13.0/19

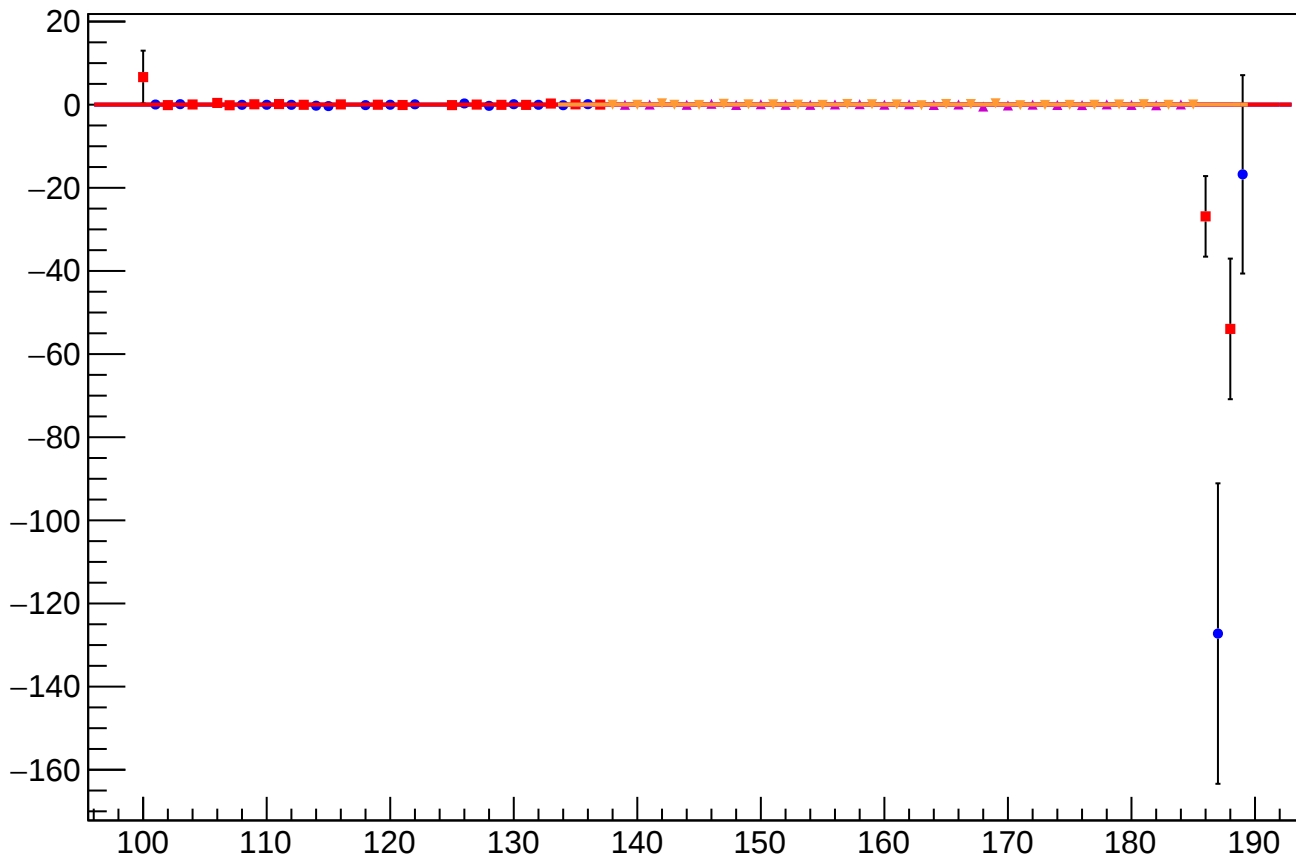
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.056 ± 0.012 χ^2/NDF : 48.3/42

All: -0.063 ± 0.009 χ^2/NDF : 103.7/85

- sign -0.070 ± 0.012 χ^2/NDF : 54.8/42

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 22.0/17

Left Out: 0.033 $\pm$ 0.018 χ^2 /NDF: 32.6/24

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 27.0/19

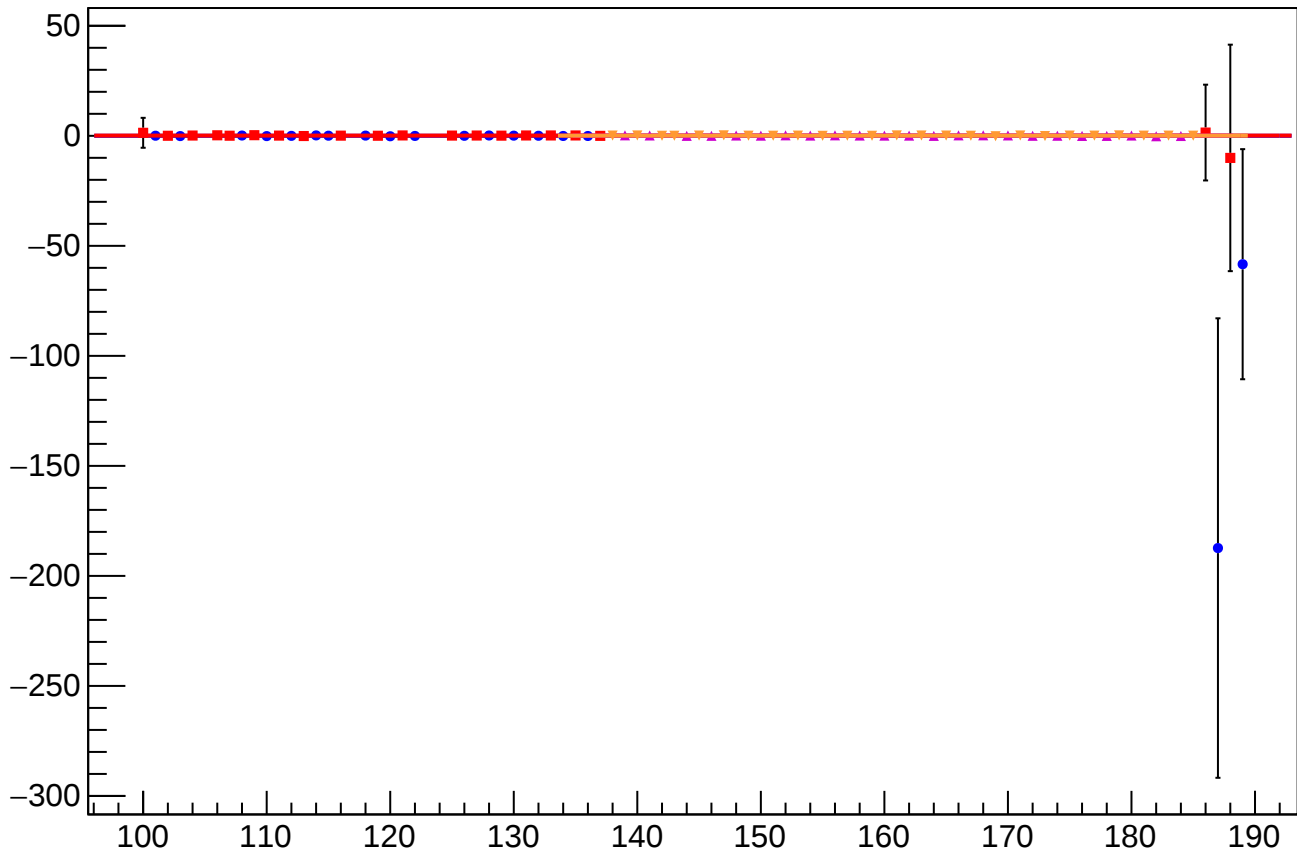
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF: 36.8/22

+ sign 0.031 $\pm$ 0.016 χ^2 /NDF: 54.7/42

All: 0.014 $\pm$ 0.012 χ^2 /NDF: 121.3/85

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 64.5/42

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 16.2/17

Left Out: 0.084 $\pm$ 0.016 χ^2 /NDF: 28.1/24

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 8.2/19

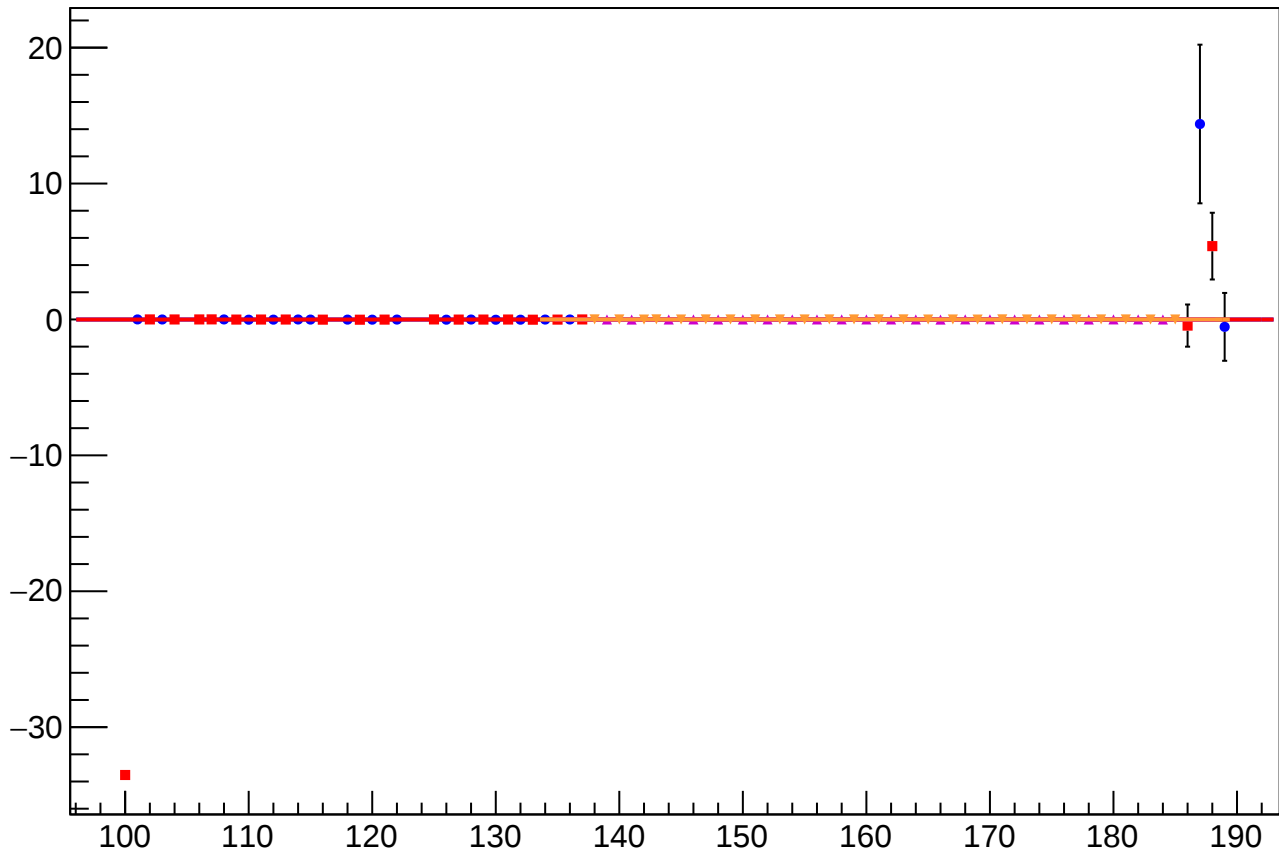
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF: 44.8/22

+ sign 0.065 $\pm$ 0.014 χ^2 /NDF: 50.1/42

All: 0.071 $\pm$ 0.010 χ^2 /NDF: 104.7/85

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 54.2/42

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 27.6/17

Left Out: 0.001 ± 0.001 χ^2/NDF : 26.1/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 26513.9/19

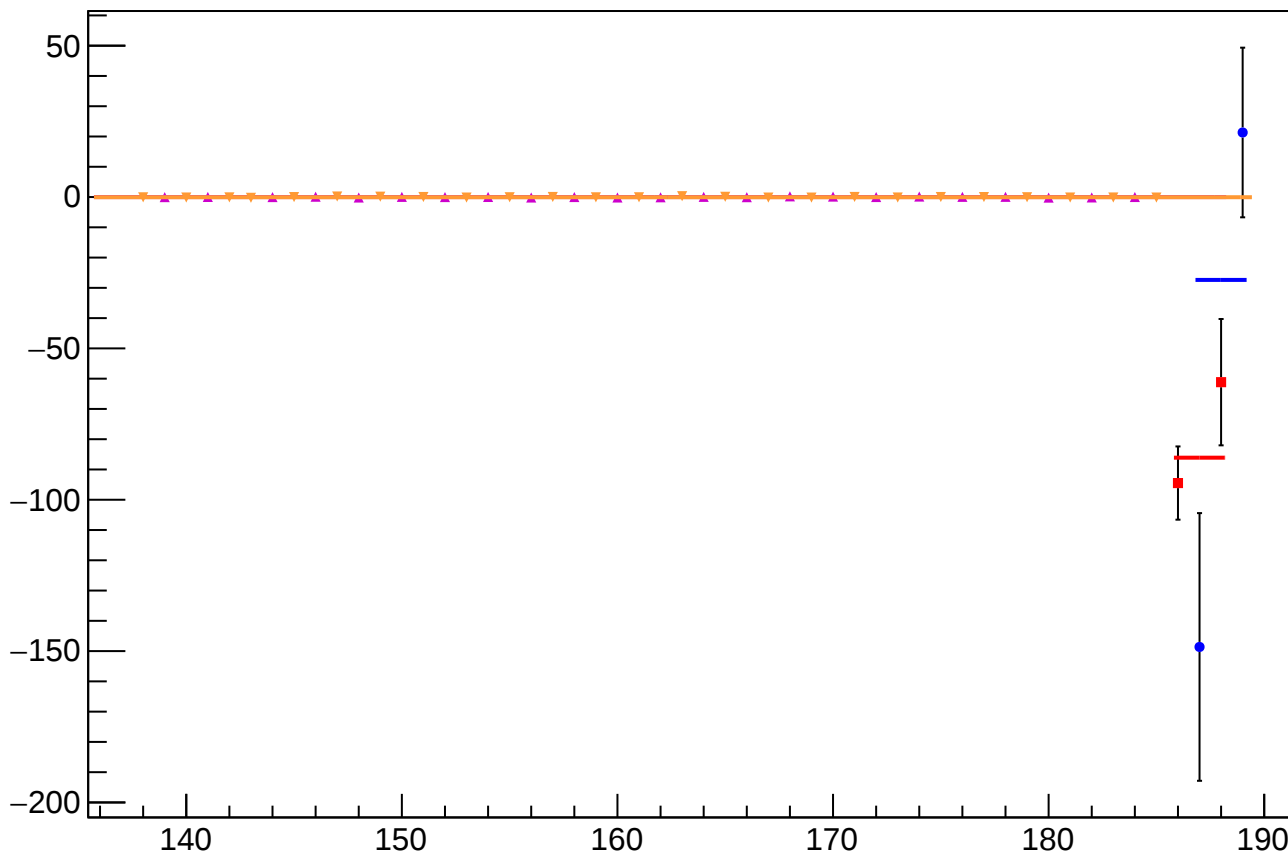
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 67.6/42

All: -0.001 ± 0.000 χ^2/NDF : 26617.9/85

- sign -0.001 ± 0.001 χ^2/NDF : 26550.1/42

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -27.379 ± 23.669 χ^2/NDF : 10.5/1

Left Out: -0.059 ± 0.018 χ^2/NDF : 41.7/24

Right Out: -86.104 ± 10.466 χ^2/NDF : 1.9/1

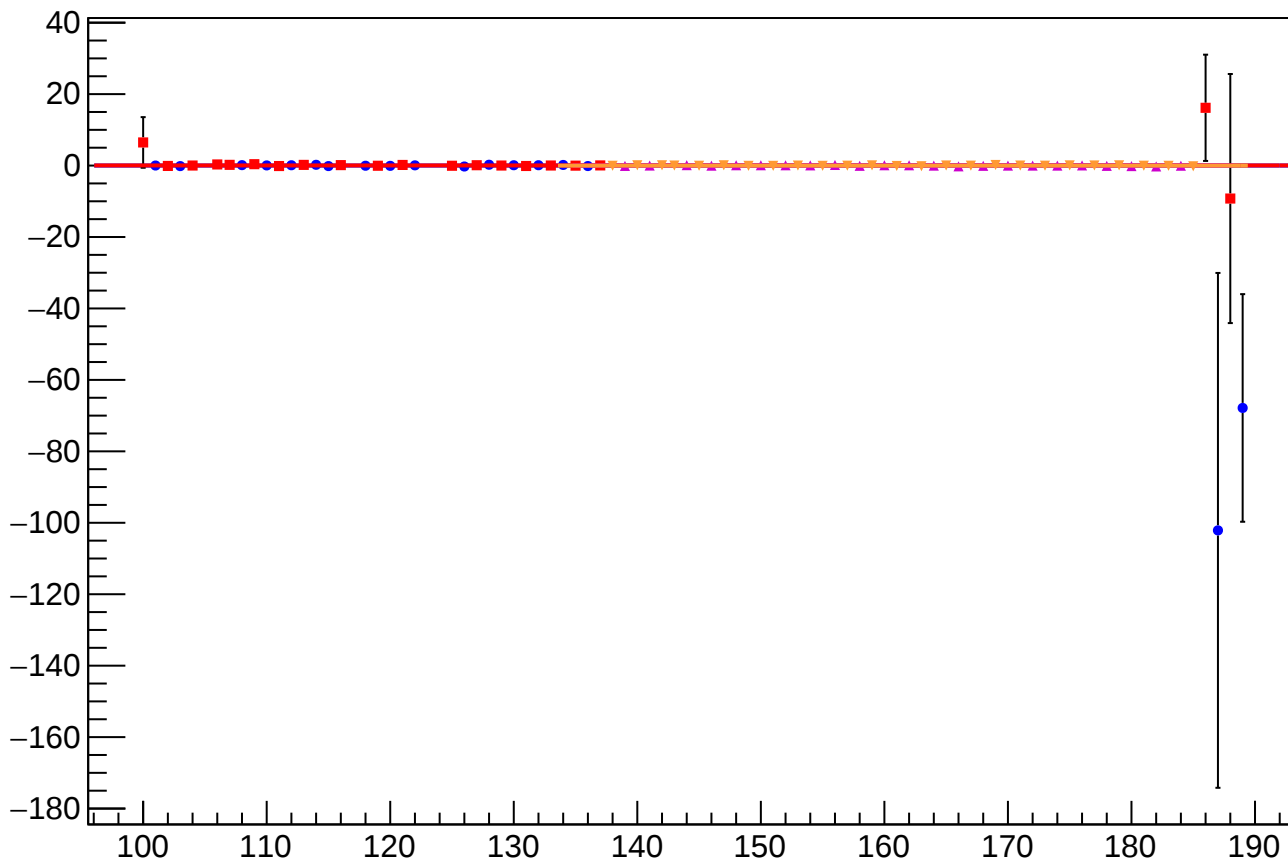
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.059 ± 0.018 χ^2/NDF : 53.6/26

All: -0.035 ± 0.013 χ^2/NDF : 162.1/51

- sign -0.009 ± 0.018 χ^2/NDF : 104.7/24

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 ± 0.023 χ^2/NDF : 31.7/17

Left Out: -0.010 ± 0.014 χ^2/NDF : 29.7/24

Right Out: 0.037 ± 0.025 χ^2/NDF : 29.9/19

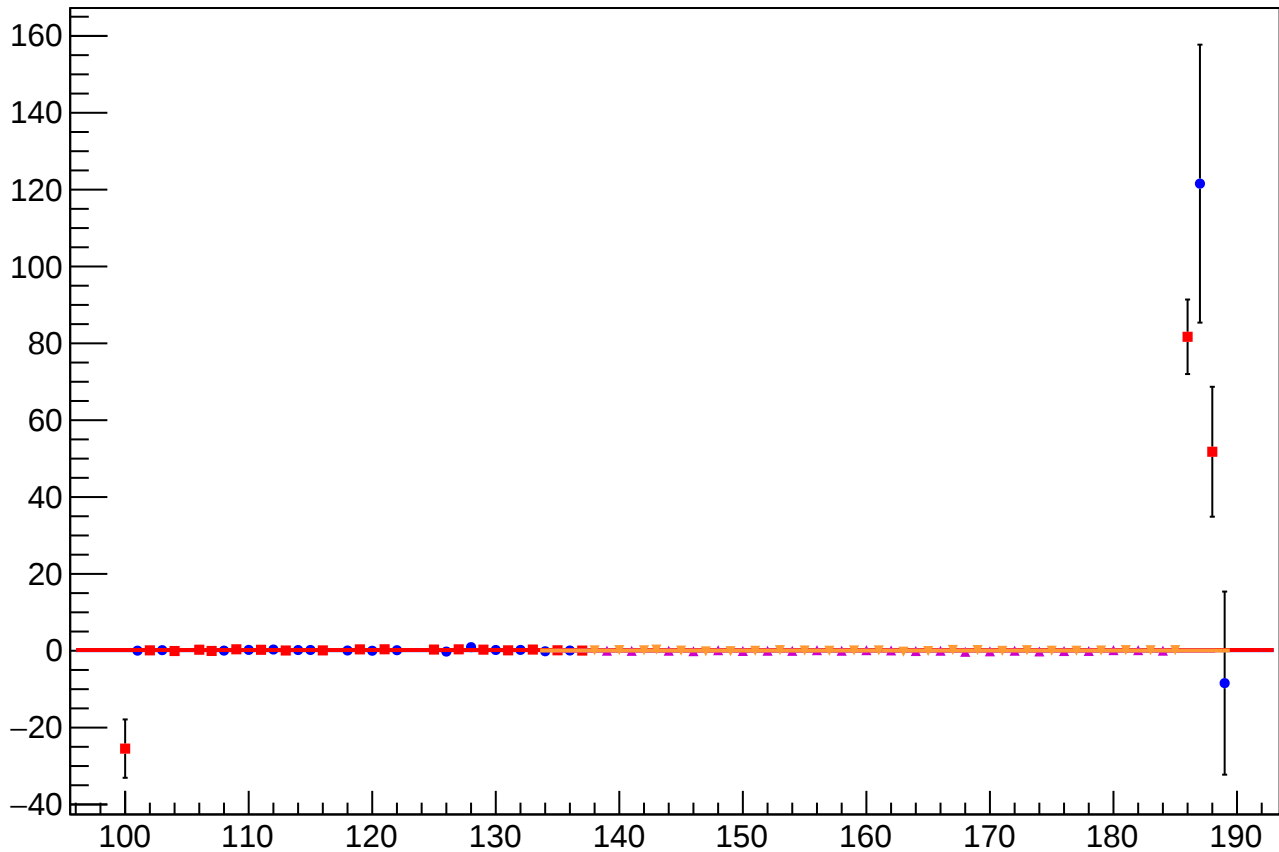
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.005 ± 0.012 χ^2/NDF : 61.8/42

All: 0.003 ± 0.009 χ^2/NDF : 143.6/85

- sign 0.013 ± 0.012 χ^2/NDF : 80.7/42

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 41.1/17

Left Out: 0.055 $\pm$ 0.018 χ^2 /NDF:41.0/24

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 101.9/19

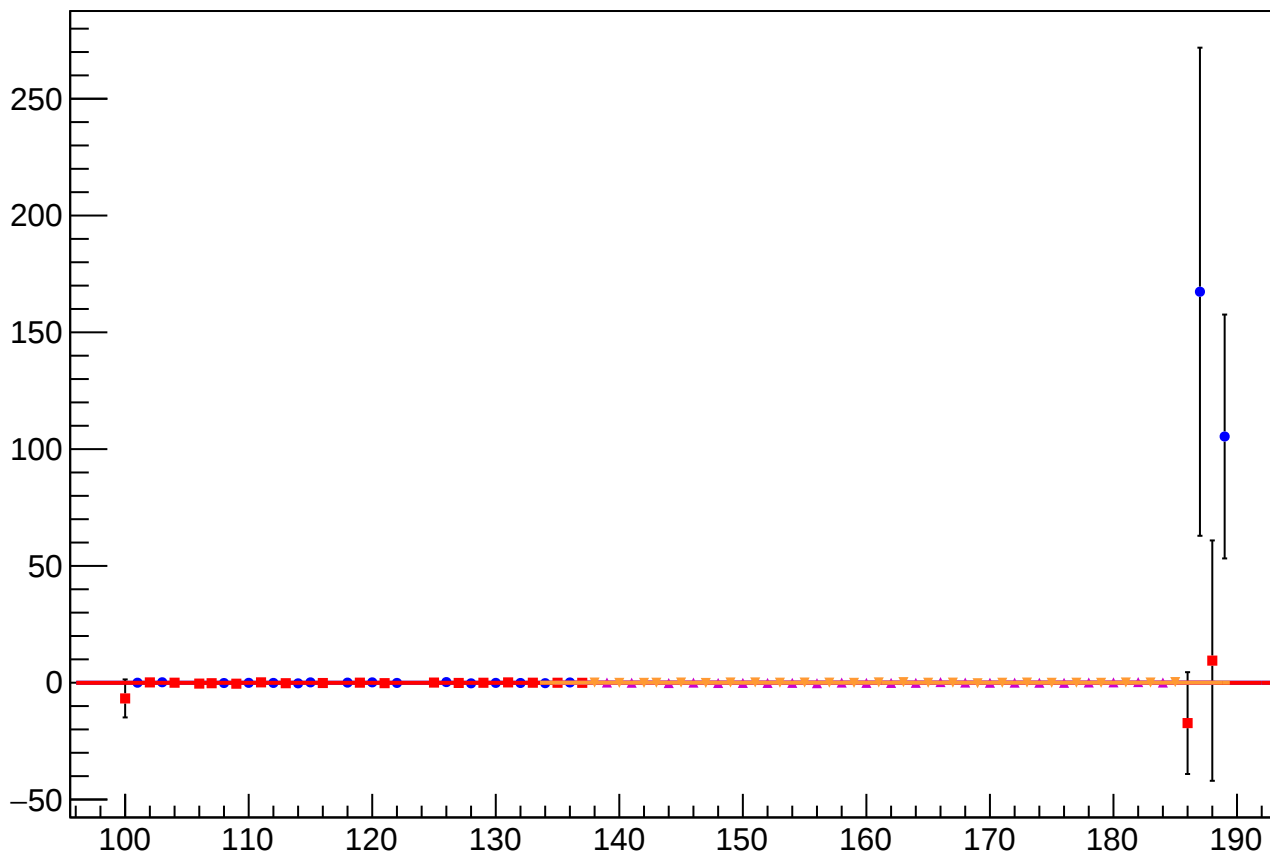
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF:35.8/22

+ sign 0.070 $\pm$ 0.016 χ^2 /NDF: 86.8/42

All: 0.057 $\pm$ 0.012 χ^2 /NDF: 239.1/85

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 151.1/42

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 31.3/17

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.4/24

Right Out: -0.046 ± 0.029 χ^2/NDF : 26.9/19

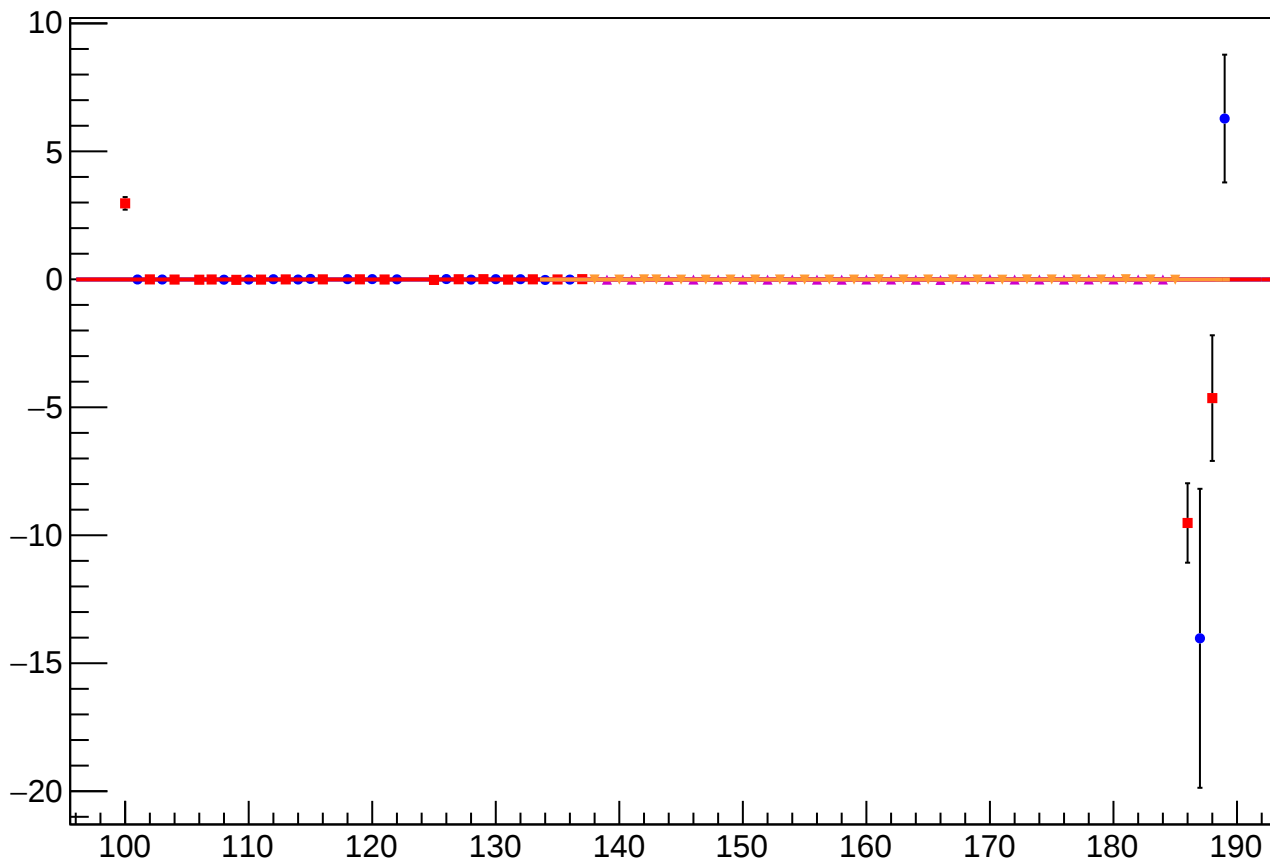
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 65.6/42

All: 0.003 ± 0.010 χ^2/NDF : 146.2/85

- sign -0.007 ± 0.014 χ^2/NDF : 79.6/42

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 39.6/17

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.7/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 206.4/19

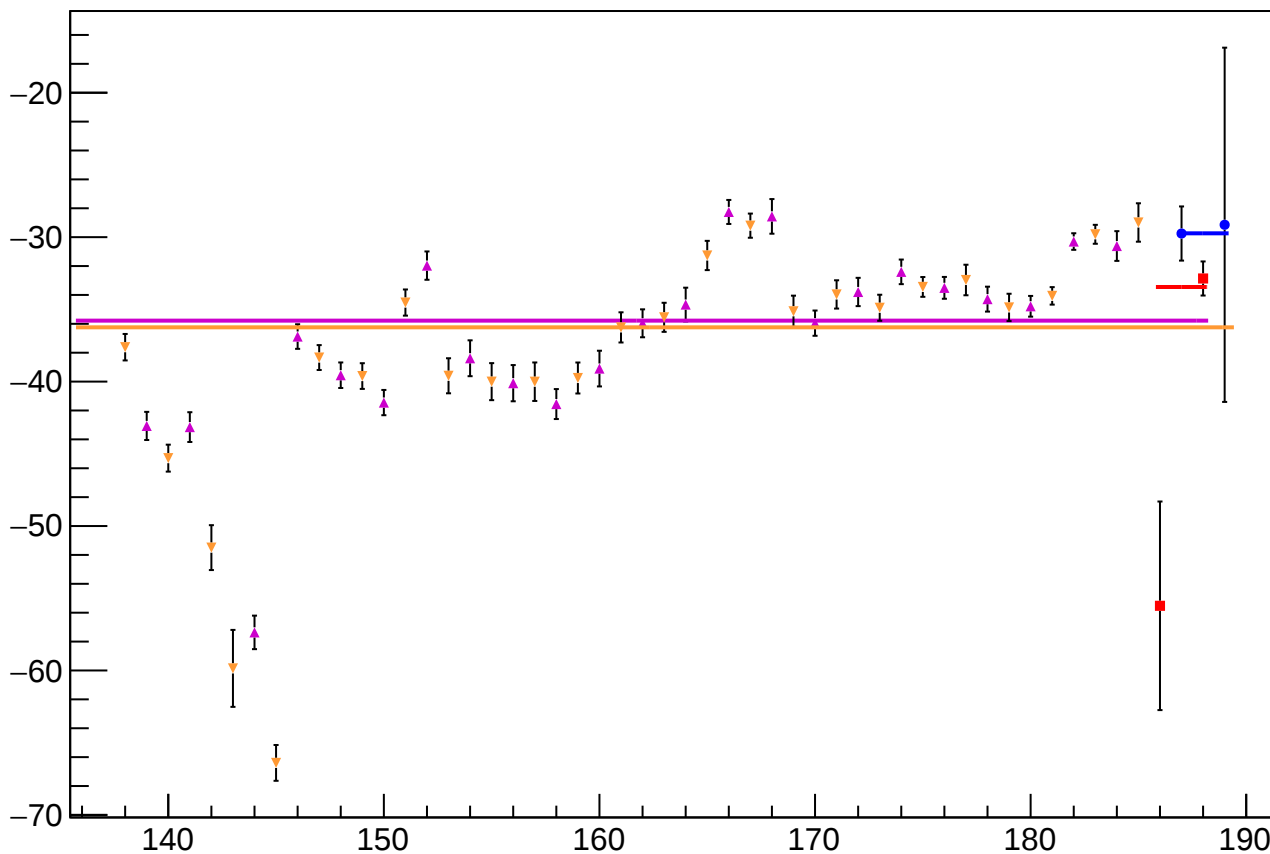
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 73.8/42

All: -0.008 ± 0.000 χ^2/NDF : 320.6/85

- sign -0.008 ± 0.001 χ^2/NDF : 246.6/42

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.734 ± 1.853 χ^2/NDF : 0.0/1

Left Out: -36.243 ± 0.191 χ^2/NDF : 1193.9/24

Right Out: -33.450 ± 1.164 χ^2/NDF : 9.6/1

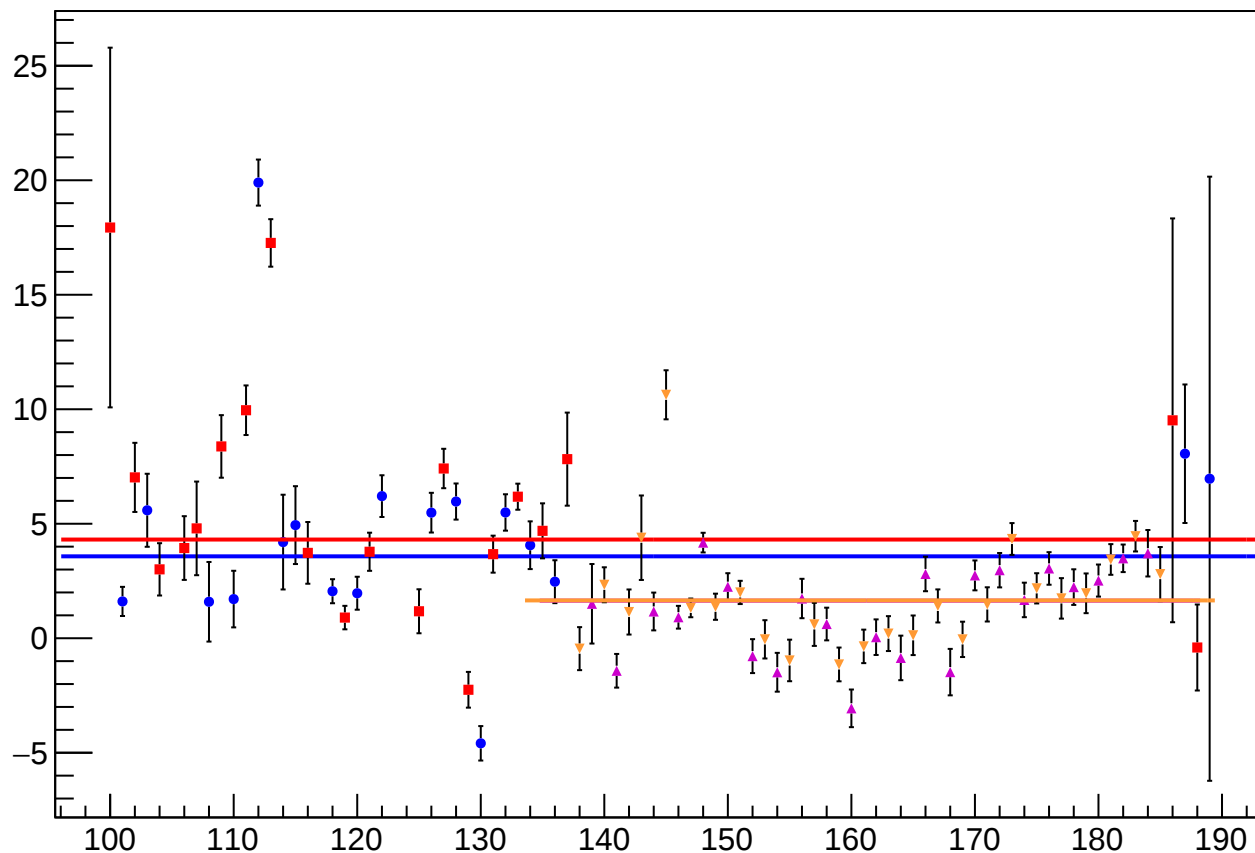
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -36.174 ± 0.190 χ^2/NDF : 1206.1/26

All: -35.944 ± 0.134 χ^2/NDF : 2076.6/51

- sign -35.718 ± 0.189 χ^2/NDF : 867.6/24

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.577 ± 0.220 χ^2/NDF : 442.2/17

Left Out: 1.652 ± 0.147 χ^2/NDF : 168.8/24

Right Out: 4.310 ± 0.224 χ^2/NDF : 359.9/19

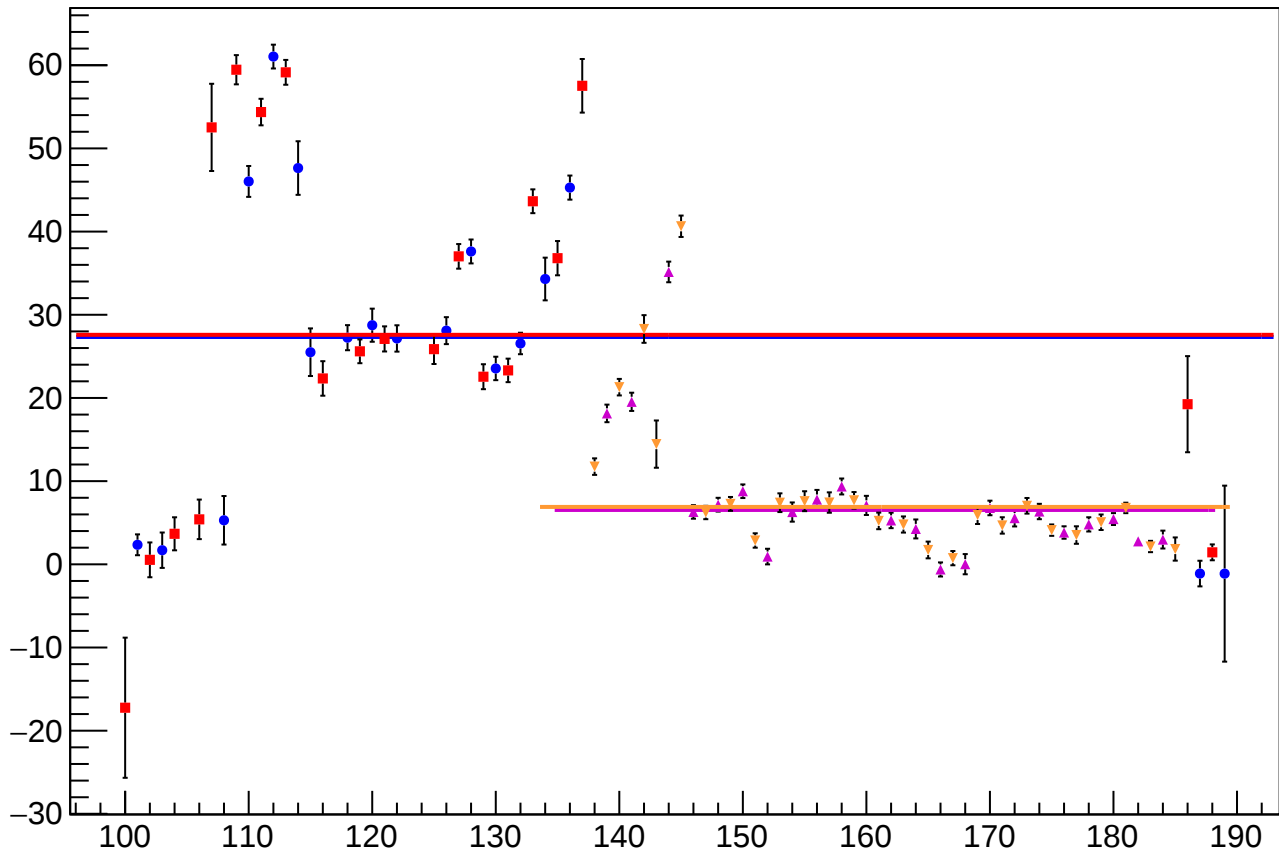
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.247 ± 0.122 χ^2/NDF : 663.8/42

All: 2.355 ± 0.087 χ^2/NDF : 1286.9/85

- sign 2.466 ± 0.124 χ^2/NDF : 621.6/42

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 27.331 $\pm$ 0.405 χ^2 /NDF: 1864.1/17

Left Out: 6.900 $\pm$ 0.191 χ^2 /NDF: 1302.8/24

Right Out: 27.589 $\pm$ 0.386 χ^2 /NDF: 2564.9/19

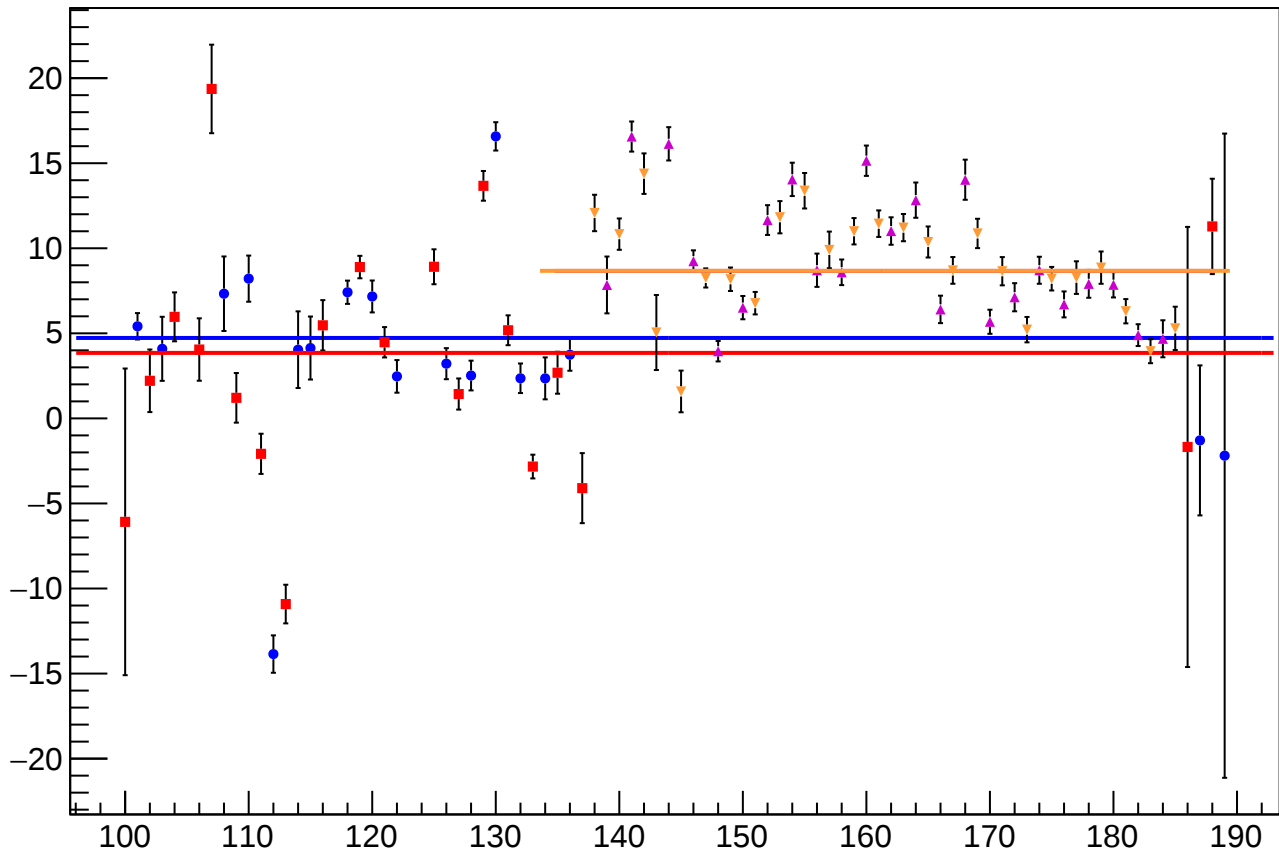
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.613 $\pm$ 0.173 χ^2 /NDF: 5247.1/42

All: 10.632 $\pm$ 0.121 χ^2 /NDF: 11227.0/85

- sign 10.651 $\pm$ 0.171 χ^2 /NDF: 5979.9/42

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.729 ± 0.254 χ^2/NDF : 548.6/17

Left Out: 8.674 ± 0.168 χ^2/NDF : 243.7/24

Right Out: 3.850 ± 0.258 χ^2/NDF : 572.0/19

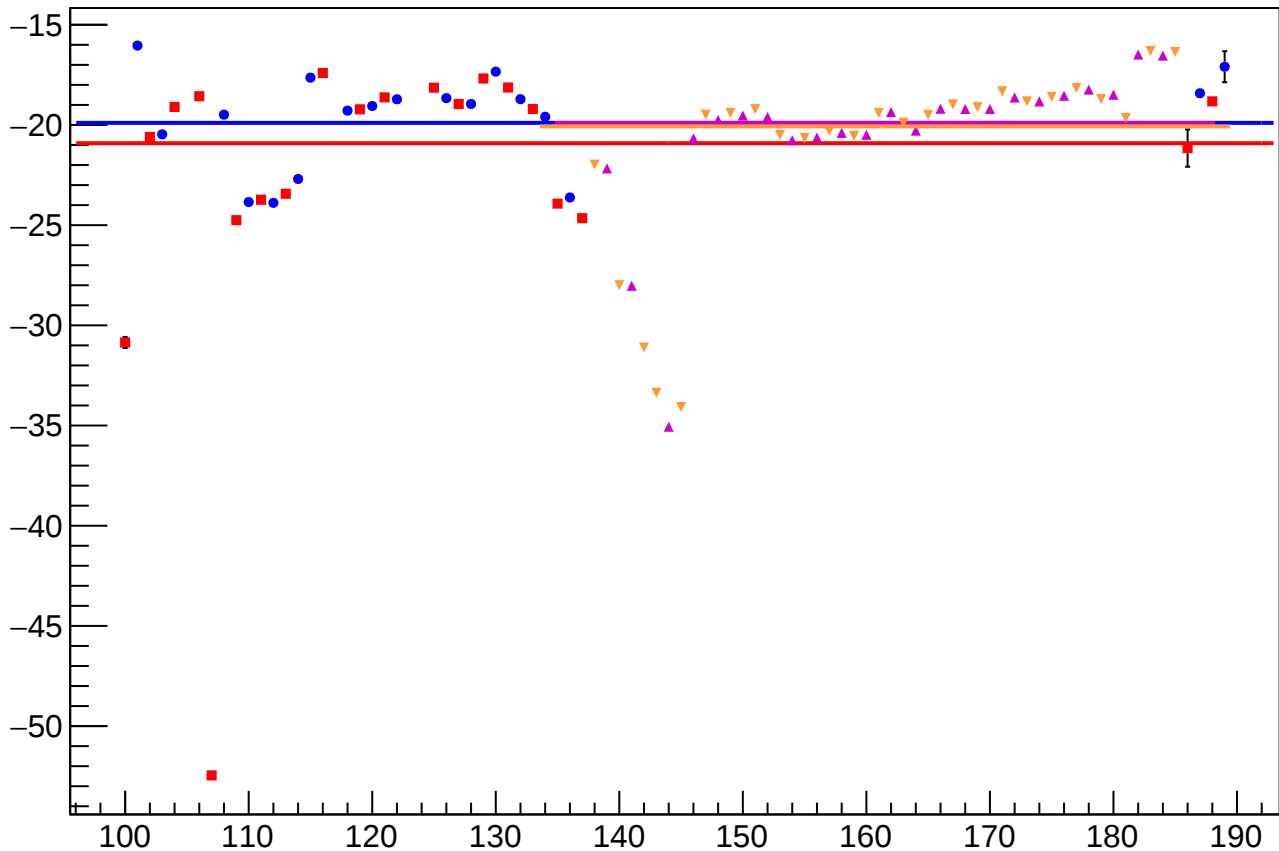
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.469 ± 0.140 χ^2/NDF : 959.7/42

All: 7.339 ± 0.100 χ^2/NDF : 2213.3/85

- sign 7.206 ± 0.142 χ^2/NDF : 1252.0/42

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.895 ± 0.016 $\chi^2/\text{NDF}: 26068.2/17$

Left Out: -20.069 ± 0.008 $\chi^2/\text{NDF}: 185373.7/24$

Right Out: -20.911 ± 0.016 $\chi^2/\text{NDF}: 94202.6/19$

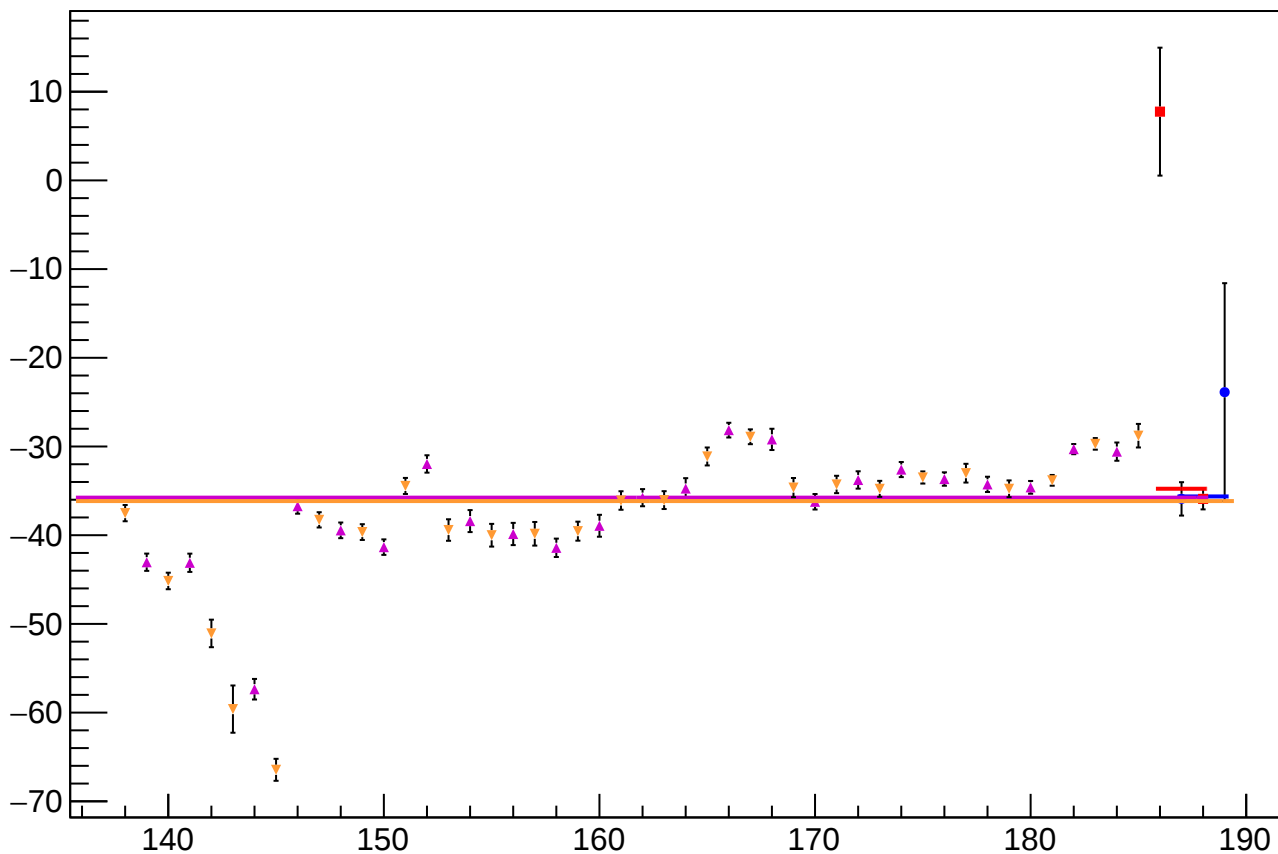
Left In: -19.898 ± 0.008 $\chi^2/\text{NDF}: 144191.9/22$

+ sign -20.034 ± 0.007 $\chi^2/\text{NDF}: 211541.3/42$

All: -20.068 ± 0.005 $\chi^2/\text{NDF}: 453332.7/85$

- sign -20.101 ± 0.007 $\chi^2/\text{NDF}: 241745.0/42$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -35.630 ± 1.860 χ^2/NDF : 0.9/1

Left Out: -36.152 ± 0.191 χ^2/NDF : 1199.2/24

Right Out: -34.763 ± 1.167 χ^2/NDF : 35.7/1

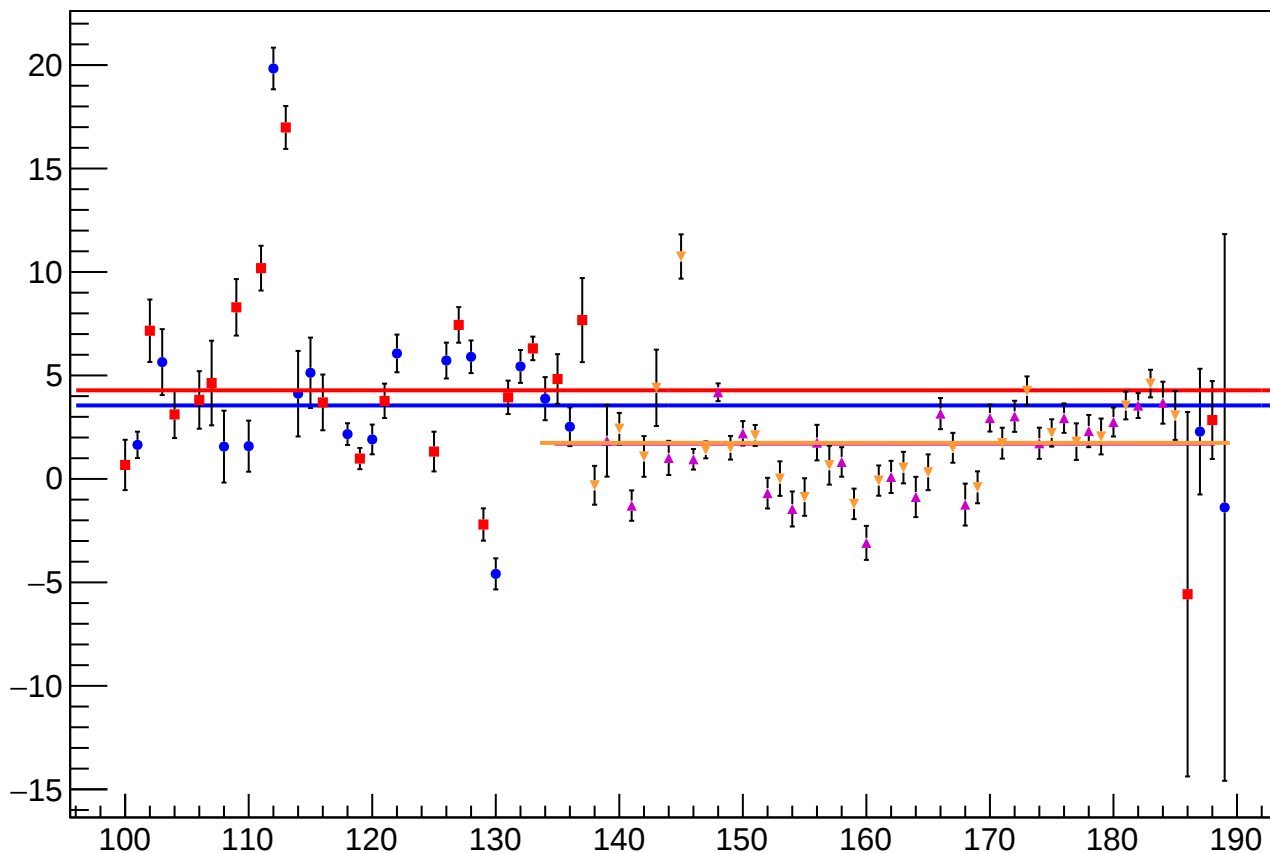
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -36.147 ± 0.190 χ^2/NDF : 1200.2/26

All: -35.942 ± 0.134 χ^2/NDF : 2081.5/51

- sign -35.740 ± 0.189 χ^2/NDF : 879.0/24

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.551 ± 0.220 χ^2/NDF : 437.4/17

Left Out: 1.741 ± 0.147 χ^2/NDF : 170.2/24

Right Out: 4.281 ± 0.220 χ^2/NDF : 354.0/19

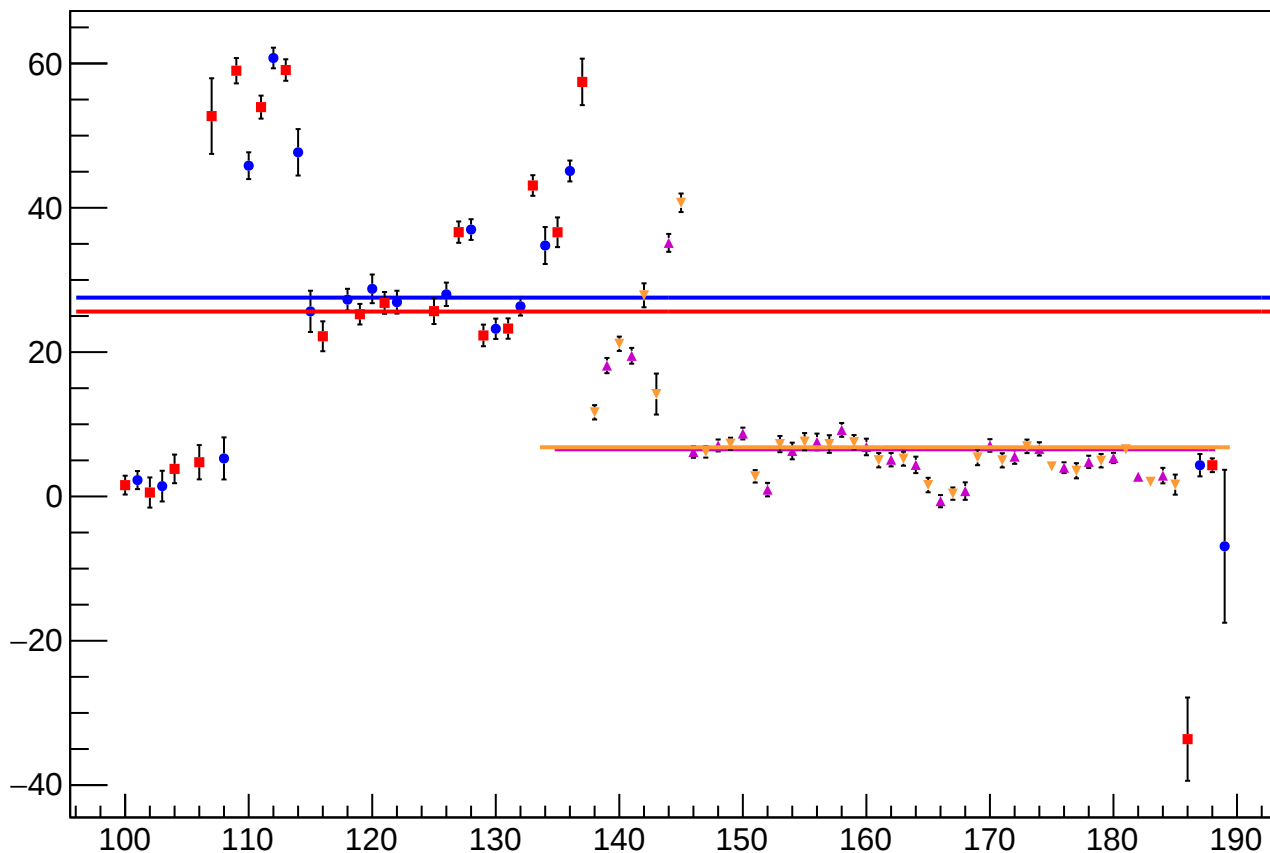
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.301 ± 0.122 χ^2/NDF : 654.5/42

All: 2.409 ± 0.087 χ^2/NDF : 1266.9/85

- sign 2.519 ± 0.124 χ^2/NDF : 610.9/42

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 27.552 $\pm$ 0.405 χ^2/NDF : 1737.2/17

Left Out: 6.813 $\pm$ 0.191 χ^2/NDF :1304.5/24

Right Out: 25.623 $\pm$ 0.371 χ^2/NDF : 2832.4/19

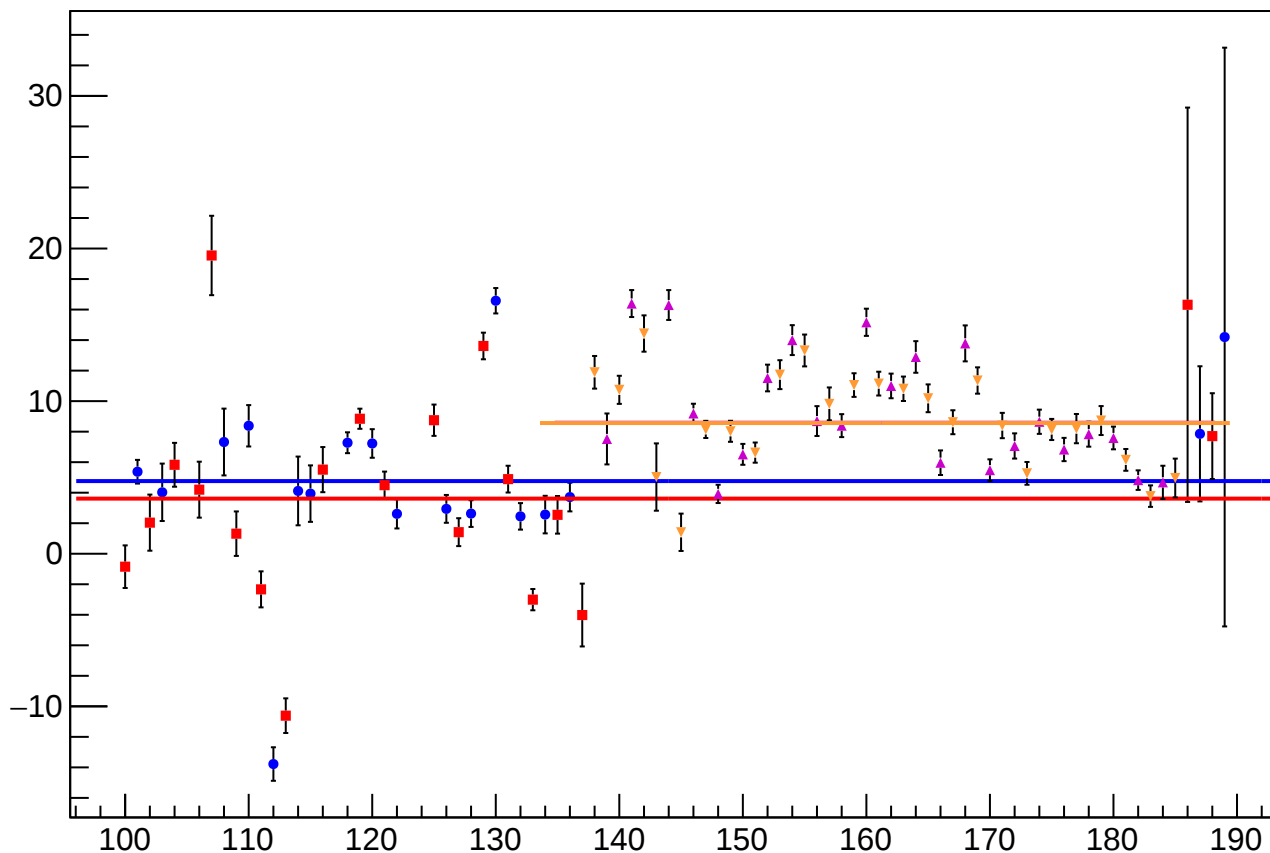
Left In: 6.532 $\pm$ 0.190 χ^2/NDF :1018.2/22

+ sign 10.580 $\pm$ 0.173 χ^2/NDF : 5187.1/42

All: 10.546 $\pm$ 0.121 χ^2/NDF : 11136.8/85

- sign 10.513 $\pm$ 0.169 χ^2/NDF : 5949.6/42

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.761 ± 0.254 $\chi^2/\text{NDF}: 543.8/17$

Left Out: 8.565 ± 0.168 $\chi^2/\text{NDF}: 248.1/24$

Right Out: 3.612 ± 0.253 $\chi^2/\text{NDF}: 573.5/19$

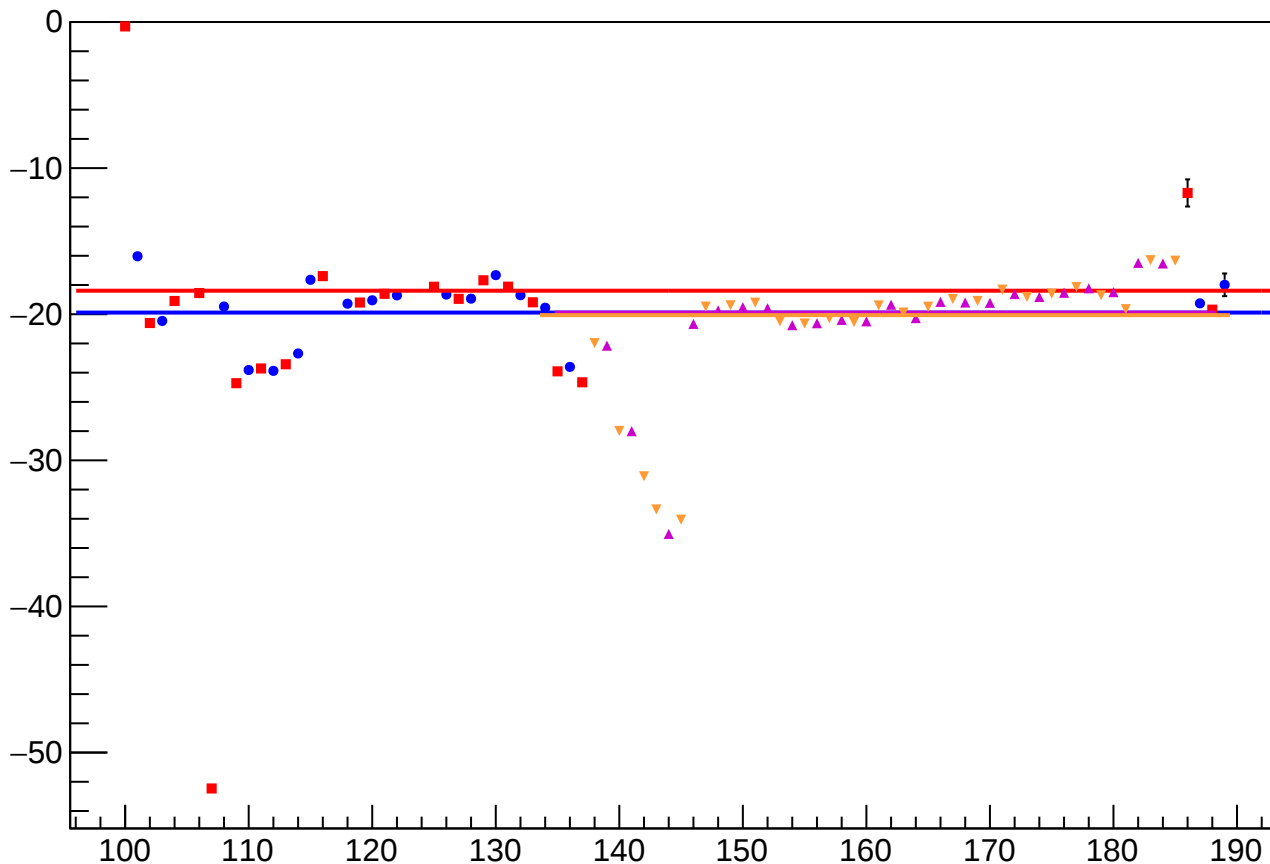
Left In: 8.585 ± 0.170 $\chi^2/\text{NDF}: 441.8/22$

+ sign 7.403 ± 0.140 $\chi^2/\text{NDF}: 947.7/42$

All: 7.223 ± 0.100 $\chi^2/\text{NDF}: 2231.7/85$

- sign 7.041 ± 0.141 $\chi^2/\text{NDF}: 1280.7/42$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.886 ± 0.016 $\chi^2/\text{NDF}: 26021.4/17$

Left Out: -20.061 ± 0.008 $\chi^2/\text{NDF}: 185580.2/24$

Right Out: -18.390 ± 0.015 $\chi^2/\text{NDF}: 301143.1/19$

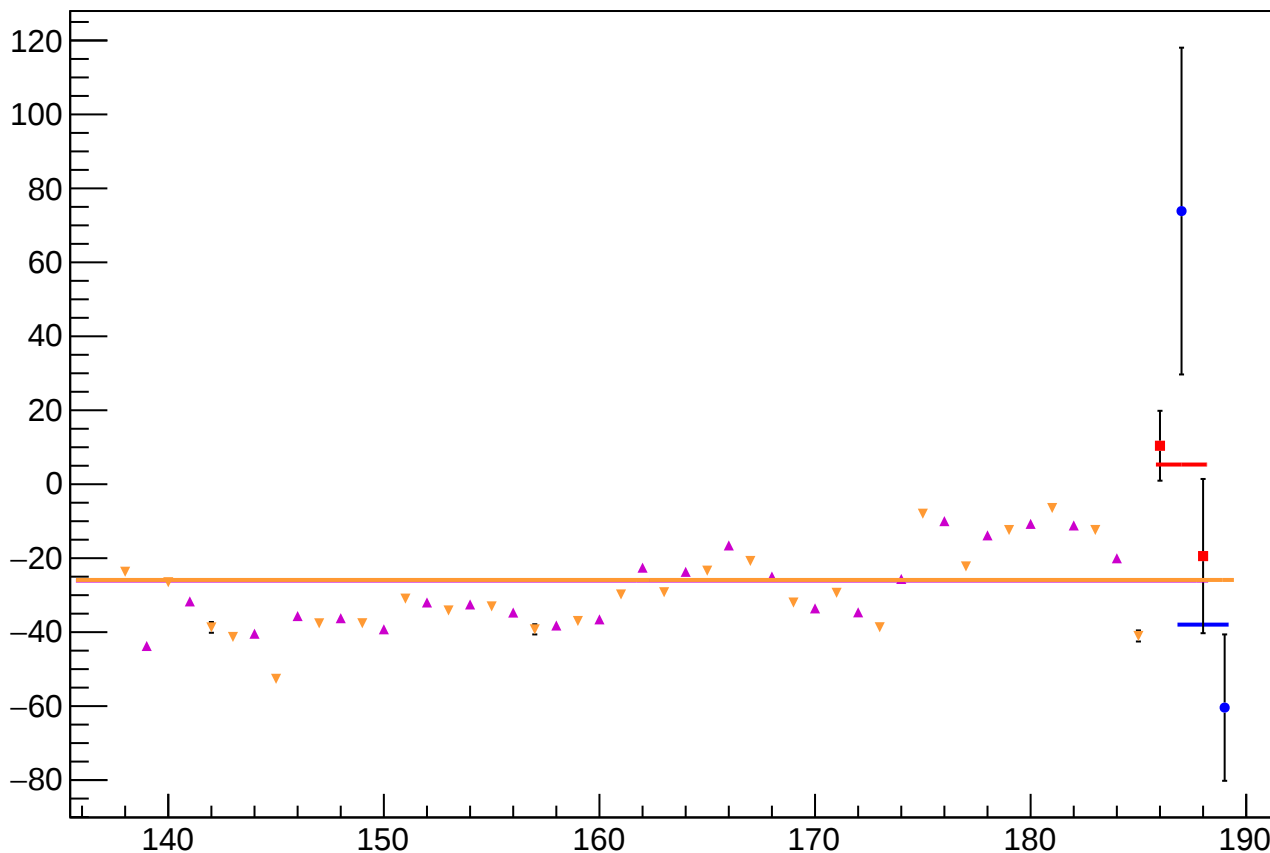
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -20.026 ± 0.007 $\chi^2/\text{NDF}: 211701.7/42$

All: -19.788 ± 0.005 $\chi^2/\text{NDF}: 667274.6/85$

- sign -19.558 ± 0.007 $\chi^2/\text{NDF}: 453318.3/42$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -37.963 $\pm$ 18.063 χ^2/NDF : 7.7/1

Left Out: -25.884 $\pm$ 0.192 χ^2/NDF : 4158.0/24

Right Out: 5.323 $\pm$ 8.605 χ^2/NDF : 1.7/1

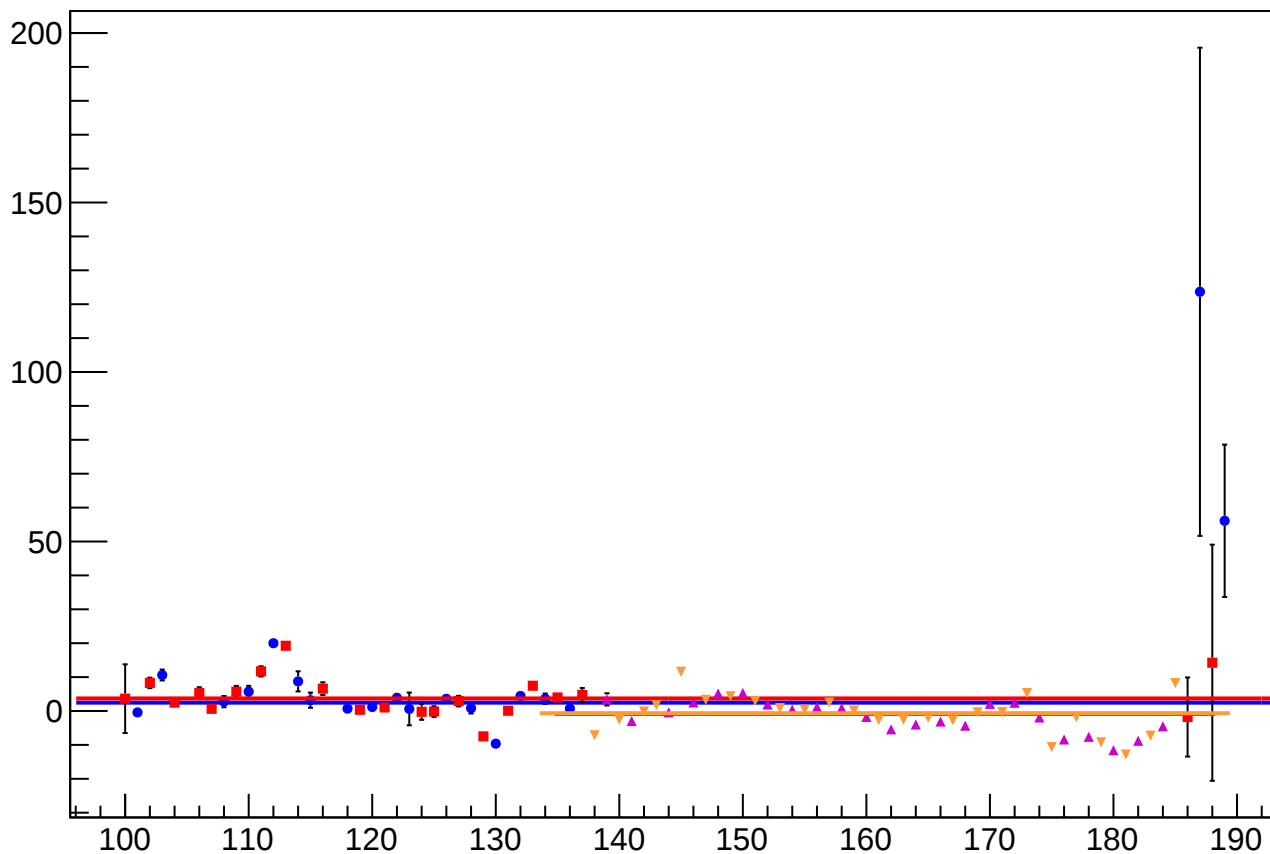
Left In: -26.052 $\pm$ 0.195 χ^2/NDF : 3279.5/22

+ sign -25.886 $\pm$ 0.192 χ^2/NDF : 4166.1/26

All: -25.960 $\pm$ 0.137 χ^2/NDF : 7460.9/51

- sign -26.036 $\pm$ 0.195 χ^2/NDF : 3294.5/24

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.467 ± 0.315 χ^2/NDF : 302.8/18

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.710 ± 0.327 χ^2/NDF : 269.4/20

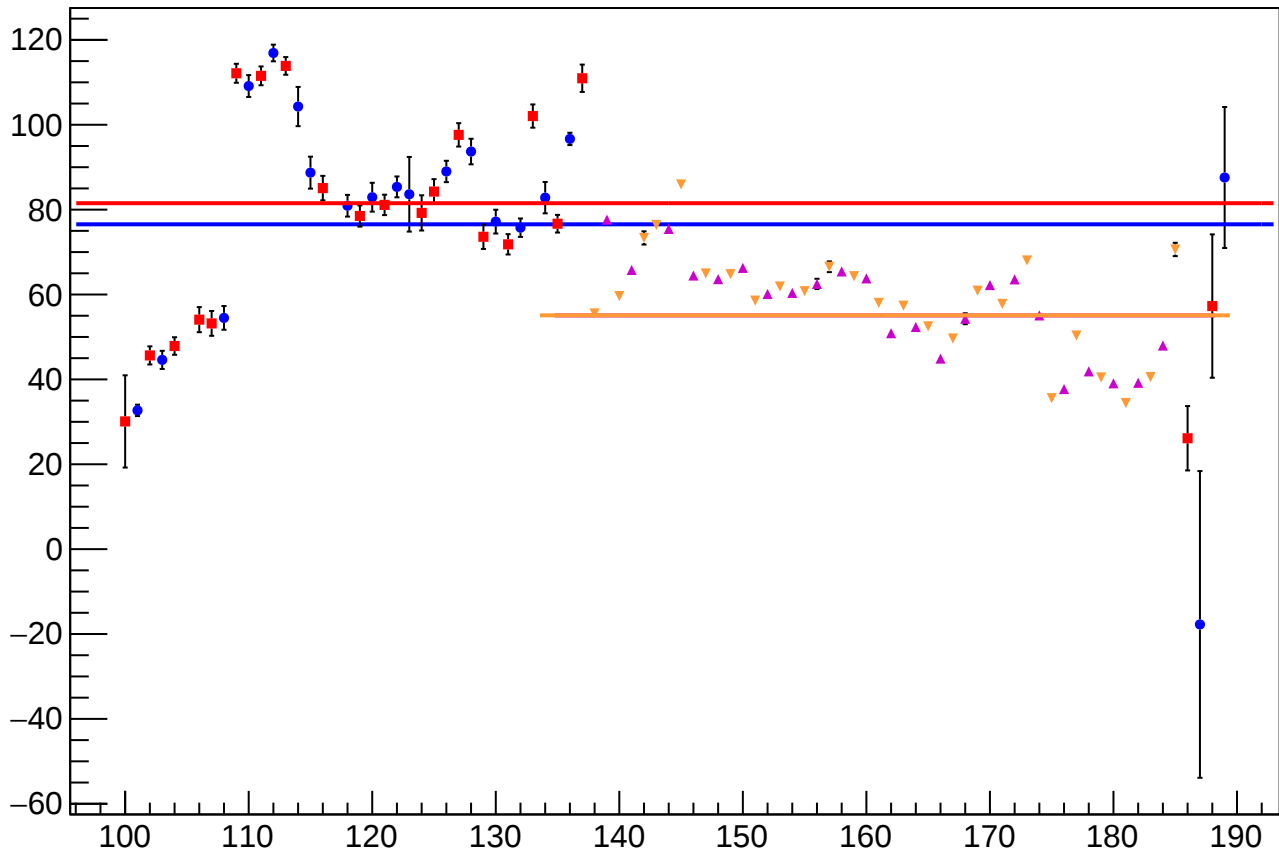
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.100 ± 0.133 χ^2/NDF : 1704.5/43

All: -0.082 ± 0.095 χ^2/NDF : 3202.3/87

- sign -0.063 ± 0.137 χ^2/NDF : 1497.7/43

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.544 $\pm$ 0.576 χ^2 /NDF: 2260.0/18

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.517 $\pm$ 0.591 χ^2 /NDF: 1626.6/20

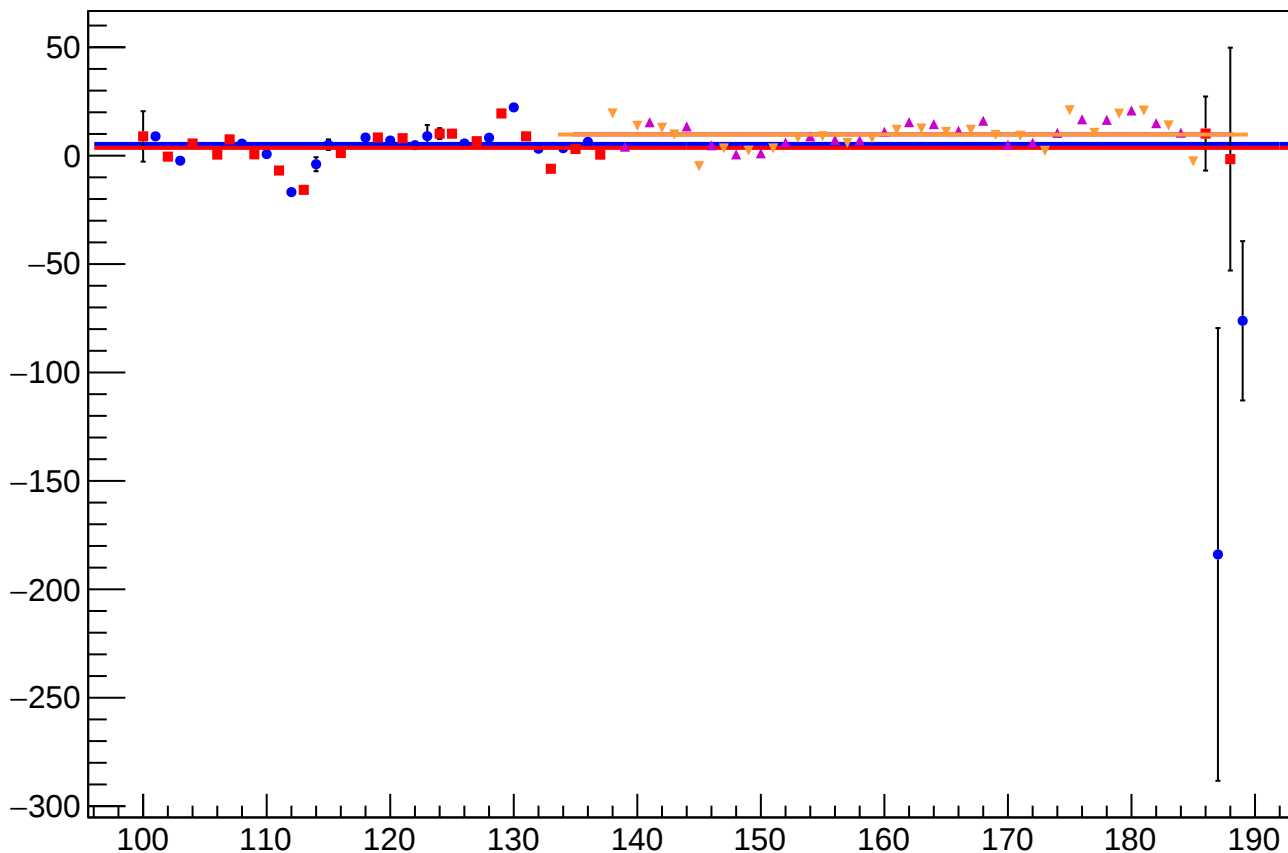
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.229 $\pm$ 0.182 χ^2 /NDF: 8085.7/43

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15227.9/87

- sign 57.632 $\pm$ 0.184 χ^2 /NDF: 7139.7/43

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.418 ± 0.361 χ^2/NDF : 393.9/18

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.585 ± 0.375 χ^2/NDF : 421.8/20

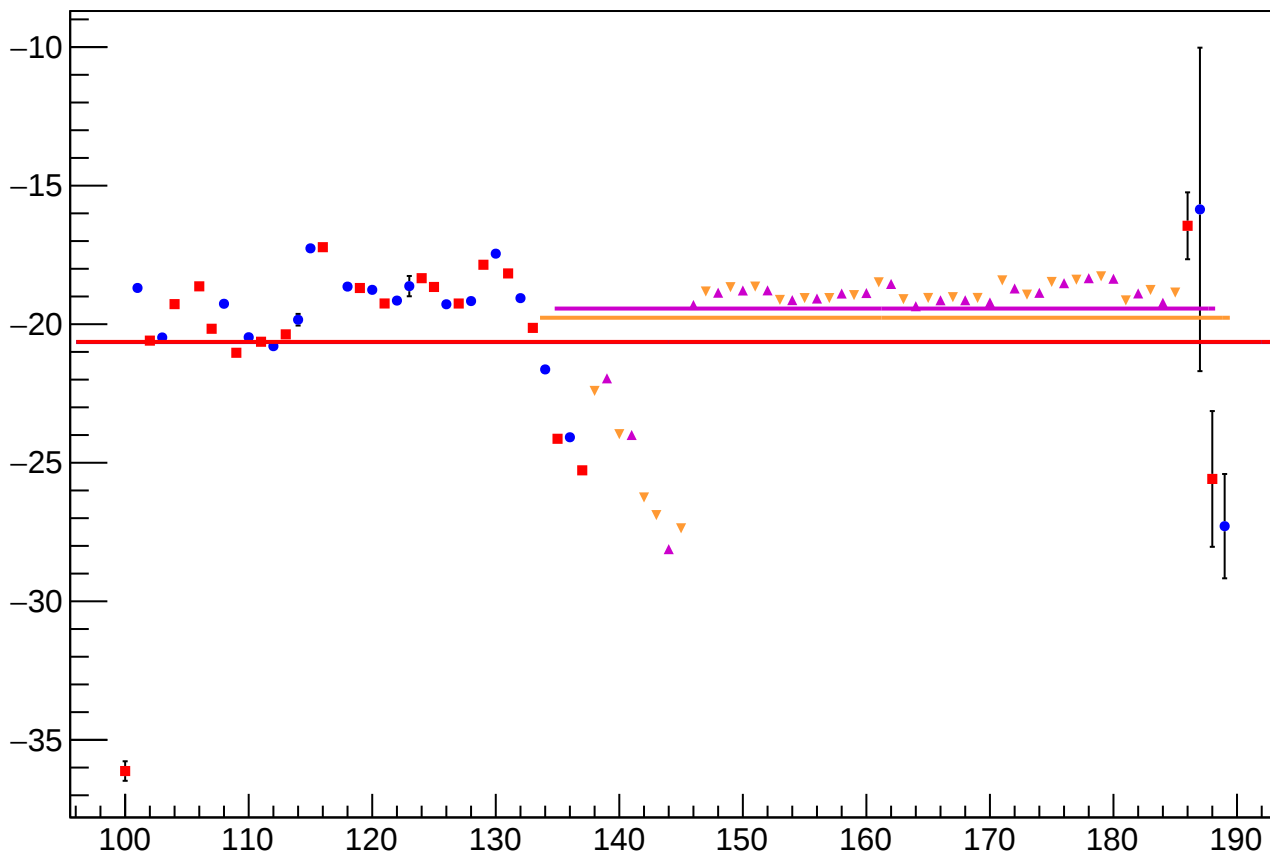
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.969 ± 0.152 χ^2/NDF : 1961.9/43

All: 8.852 ± 0.109 χ^2/NDF : 3770.5/87

- sign 8.728 ± 0.156 χ^2/NDF : 1807.4/43

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.645 ± 0.019 χ^2/NDF : 12437.3/18

Left Out: -19.767 ± 0.008 χ^2/NDF : 91617.3/24

Right Out: -20.639 ± 0.019 χ^2/NDF : 13802.0/20

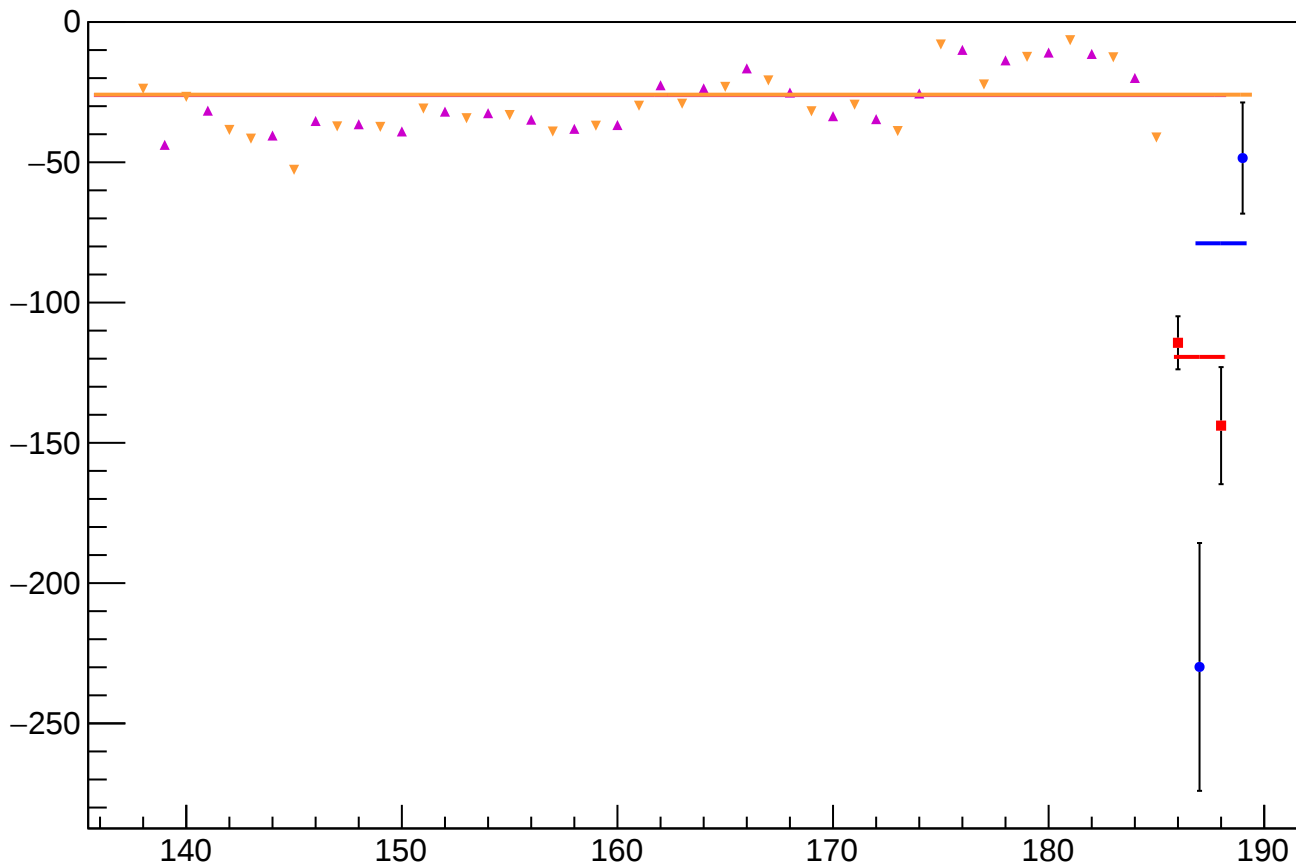
Left In: -19.435 ± 0.008 χ^2/NDF : 53170.9/22

+ sign -19.892 ± 0.007 χ^2/NDF : 105818.5/43

All: -19.751 ± 0.005 χ^2/NDF : 176820.3/87

- sign -19.607 ± 0.007 χ^2/NDF : 70249.1/43

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -78.877 ± 18.079 χ^2/NDF : 14.0/1

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -119.370 ± 8.611 χ^2/NDF : 1.7/1

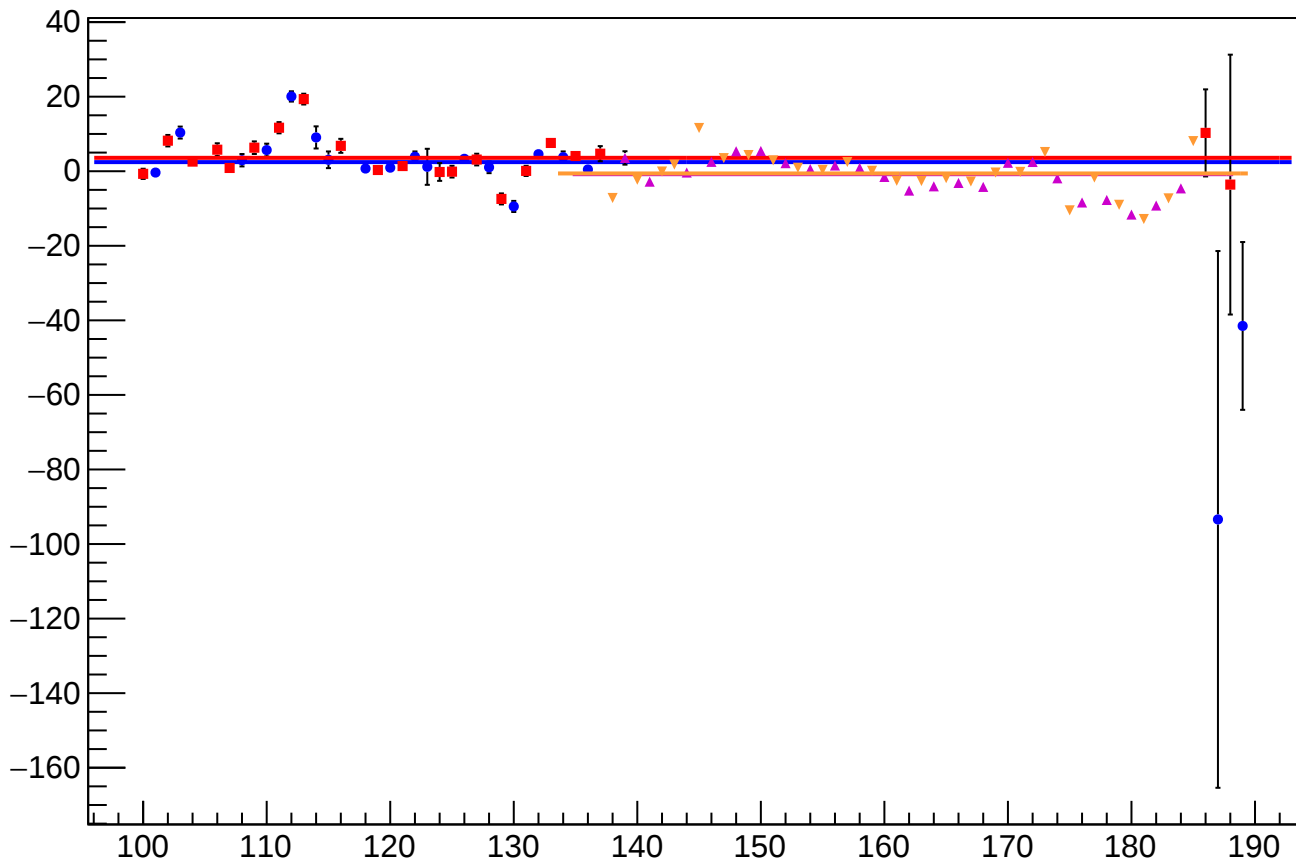
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4150.2/26

All: -25.998 ± 0.137 χ^2/NDF : 7516.4/51

- sign -26.094 ± 0.195 χ^2/NDF : 3365.8/24

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.445 ± 0.315 χ^2/NDF : 297.9/18

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.596 ± 0.318 χ^2/NDF : 280.4/20

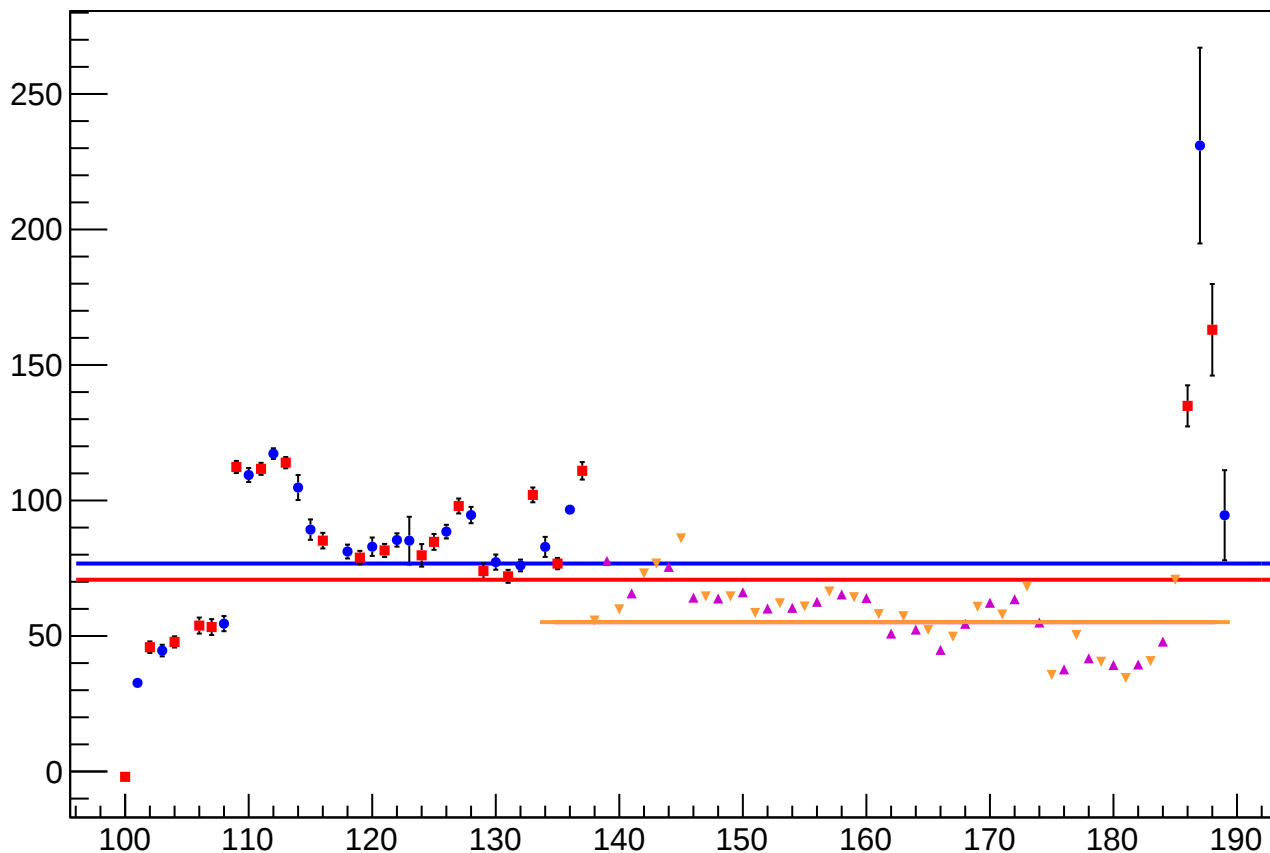
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.056 ± 0.133 χ^2/NDF : 1685.3/43

All: -0.024 ± 0.095 χ^2/NDF : 3227.9/87

- sign 0.009 ± 0.136 χ^2/NDF : 1542.5/43

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.735 $\pm$ 0.577 χ^2 /NDF: 2284.2/18

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.752 $\pm$ 0.549 χ^2 /NDF: 4489.1/20

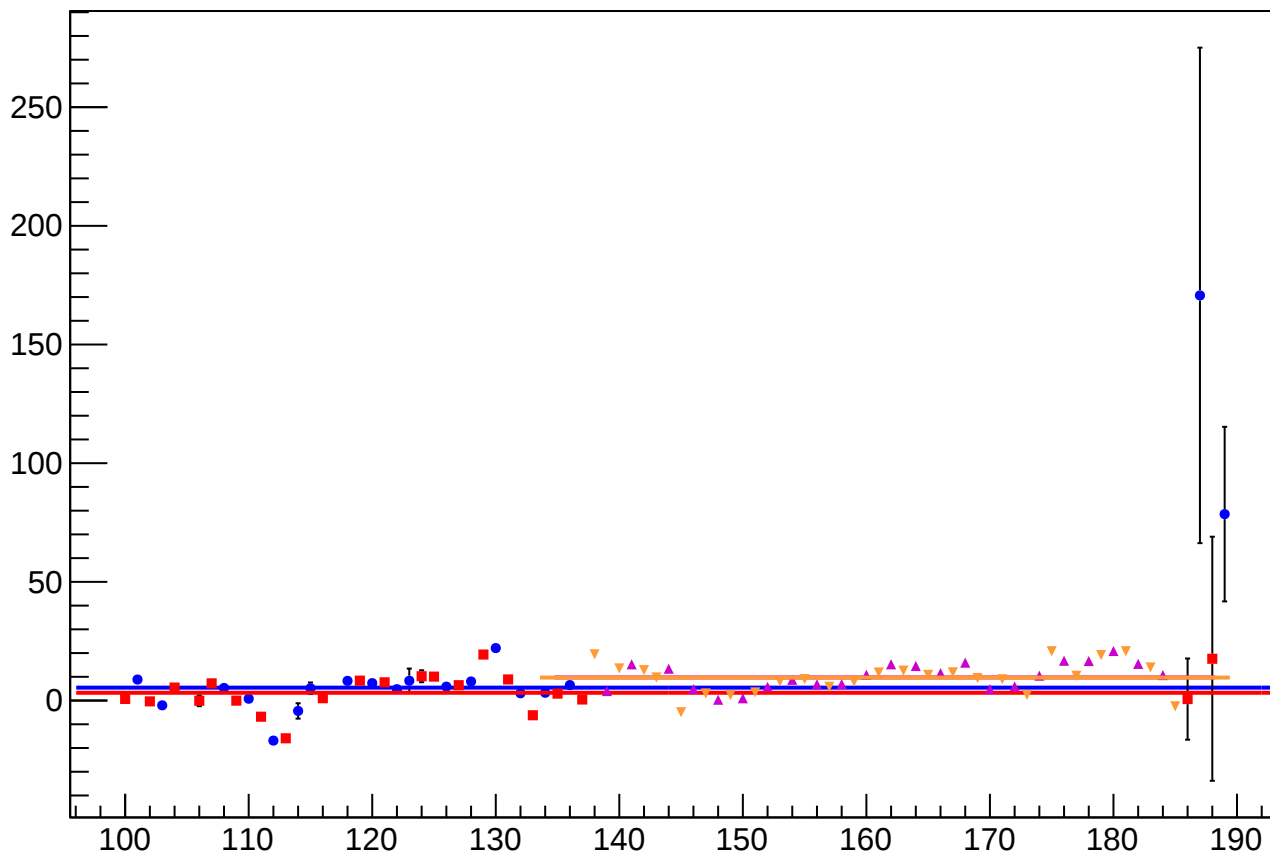
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.260 $\pm$ 0.182 χ^2 /NDF: 8110.2/43

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 16990.7/87

- sign 56.827 $\pm$ 0.183 χ^2 /NDF: 8877.6/43

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.437 $\pm$ 0.361 χ^2 /NDF: 390.7/18

Left Out: 9.675 $\pm$ 0.168 χ^2 /NDF:1441.3/24

Right Out: 3.279 $\pm$ 0.366 χ^2 /NDF: 425.1/20

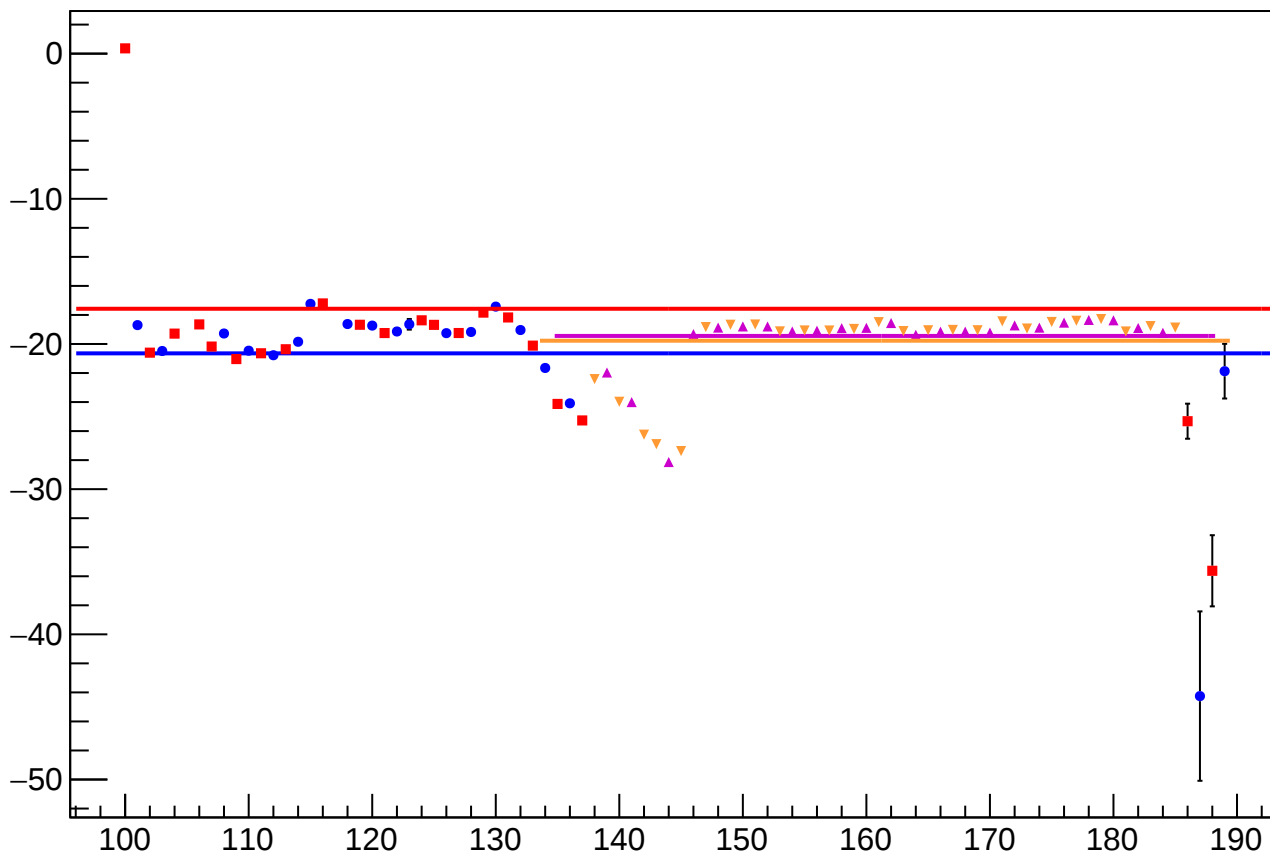
Left In: 9.738 $\pm$ 0.172 χ^2 /NDF:1191.1/22

+ sign 8.922 $\pm$ 0.152 χ^2 /NDF: 1945.3/43

All: 8.750 $\pm$ 0.109 χ^2 /NDF: 3819.9/87

- sign 8.569 $\pm$ 0.155 χ^2 /NDF: 1872.0/43

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.645 ± 0.019 $\chi^2/\text{NDF}: 12479.5/18$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178413.4/20$

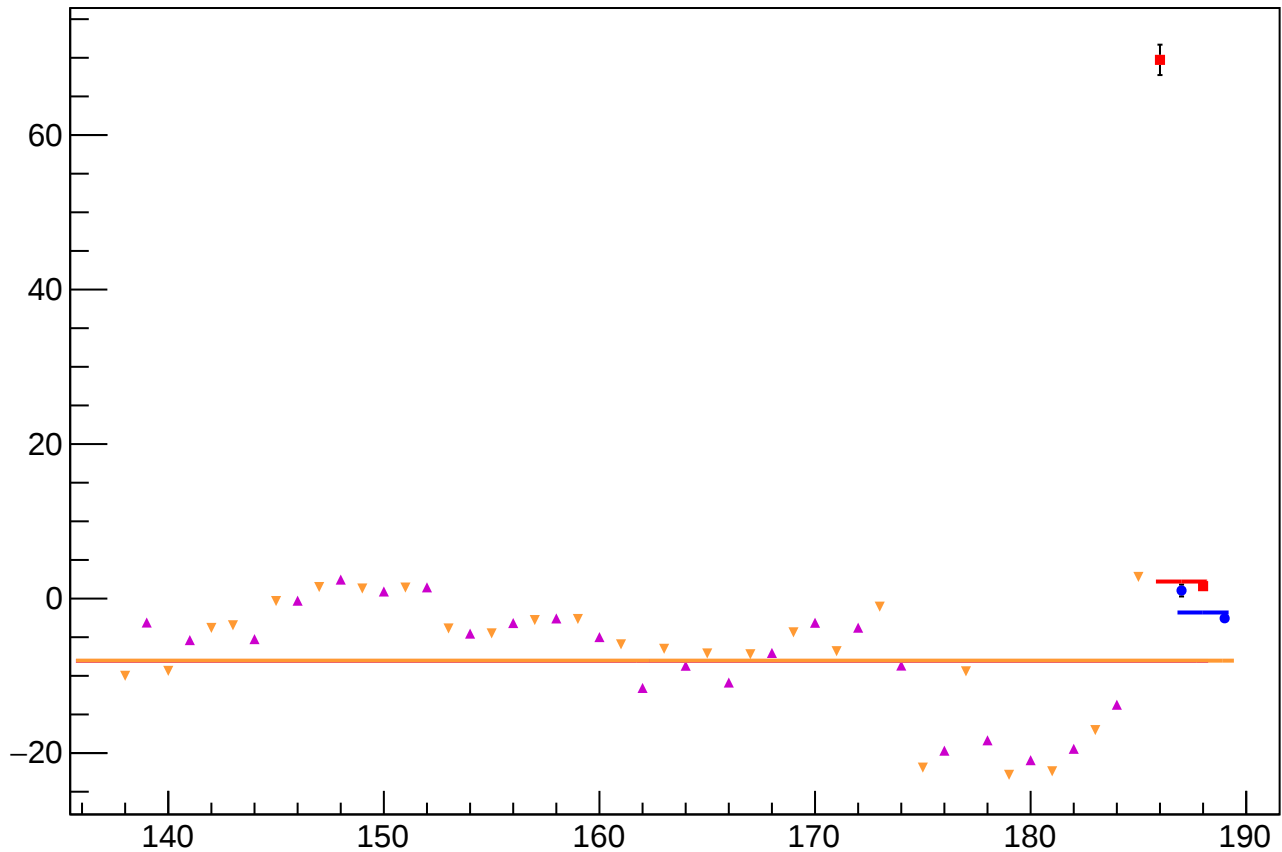
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ sign -19.899 ± 0.007 $\chi^2/\text{NDF}: 105723.5/43$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351671.3/87$

- sign -19.140 ± 0.007 $\chi^2/\text{NDF}: 240537.3/43$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.801 ± 0.353 χ^2/NDF : 17.2/1

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: 2.206 ± 0.185 χ^2/NDF : 1189.1/1

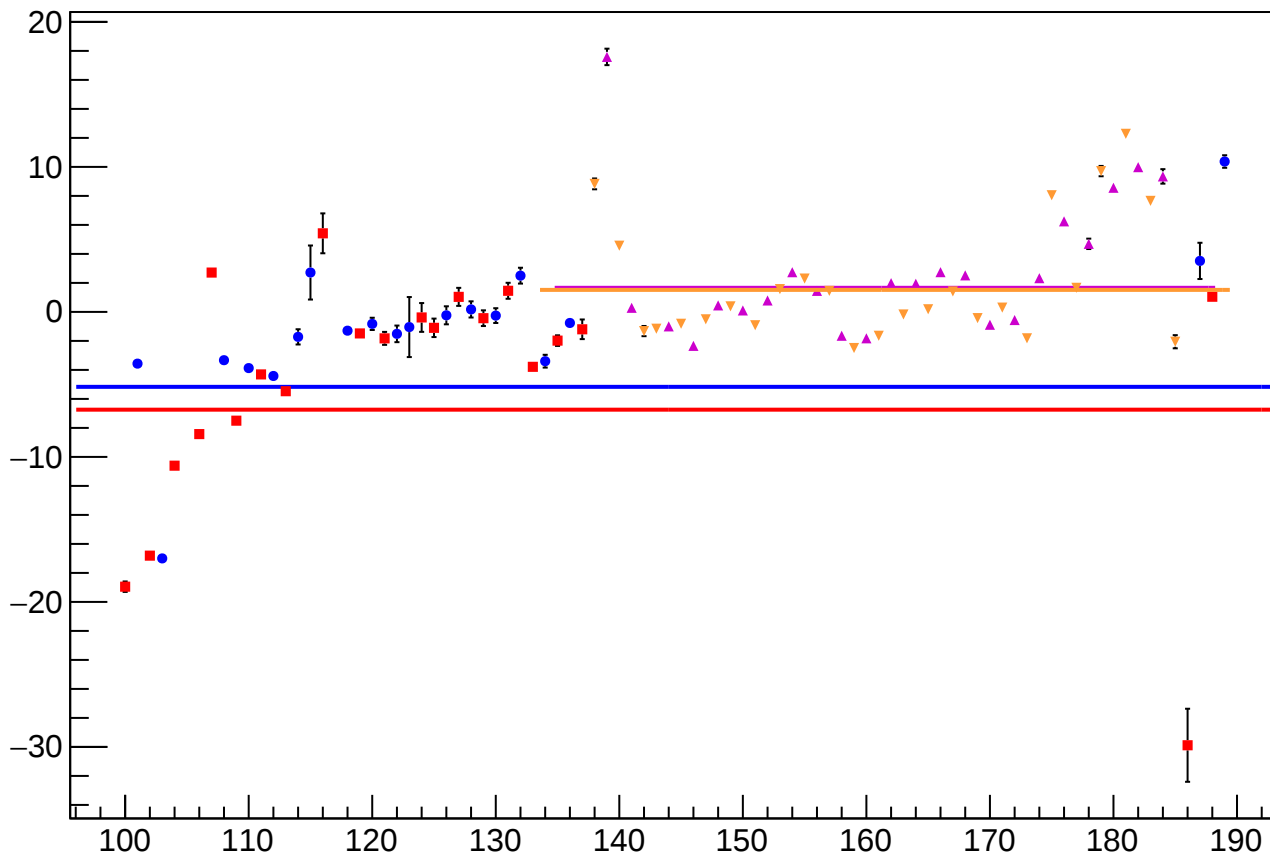
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -7.796 ± 0.069 χ^2/NDF : 12885.6/26

All: -7.244 ± 0.048 χ^2/NDF : 27436.5/51

- sign -6.722 ± 0.067 χ^2/NDF : 14426.2/24

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.168 ± 0.054 χ^2/NDF : 10593.0/18

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -6.742 ± 0.058 χ^2/NDF : 13172.9/20

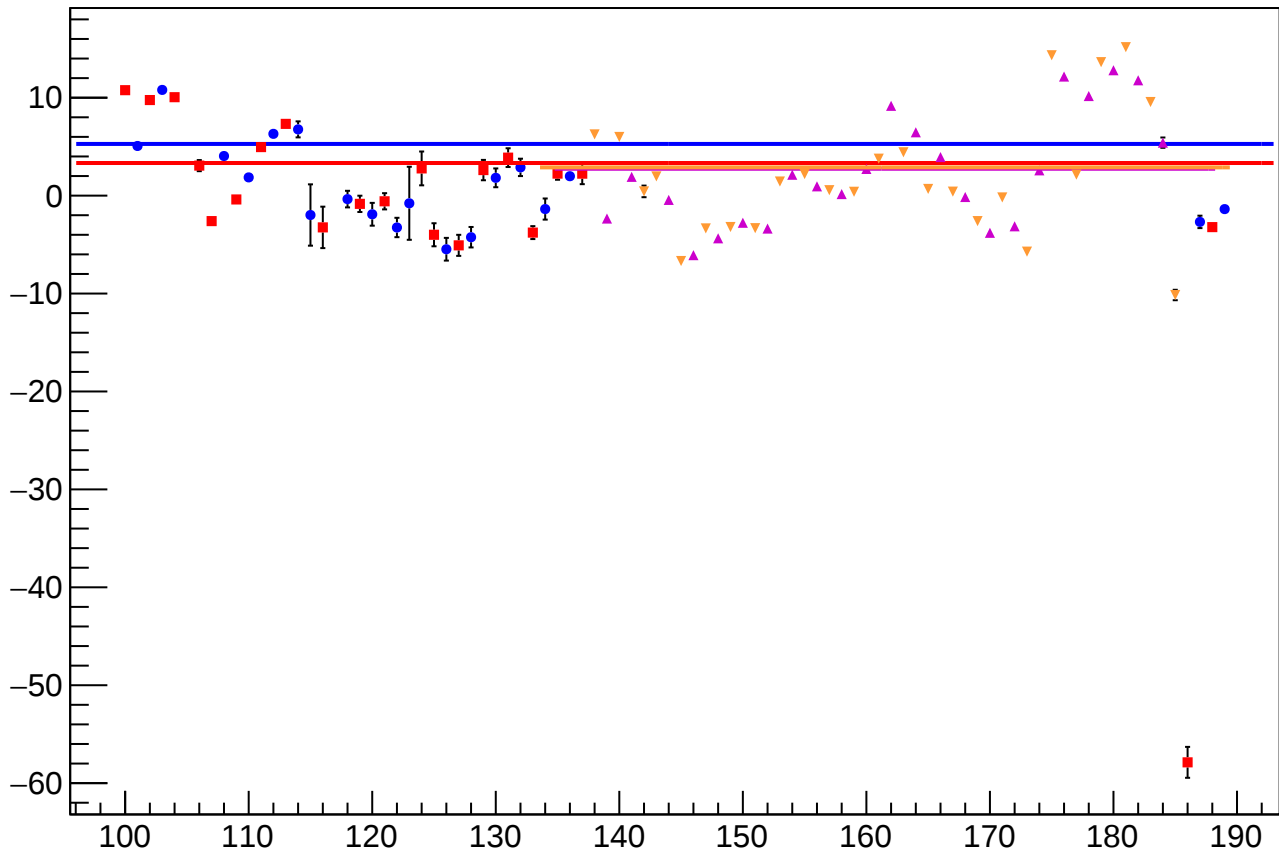
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -1.822 ± 0.038 χ^2/NDF : 22998.7/43

All: -2.121 ± 0.028 χ^2/NDF : 51136.0/87

- sign -2.452 ± 0.040 χ^2/NDF : 28010.1/43

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.279 ± 0.086 χ^2/NDF : 1967.1/18

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.332 ± 0.079 χ^2/NDF : 6913.0/20

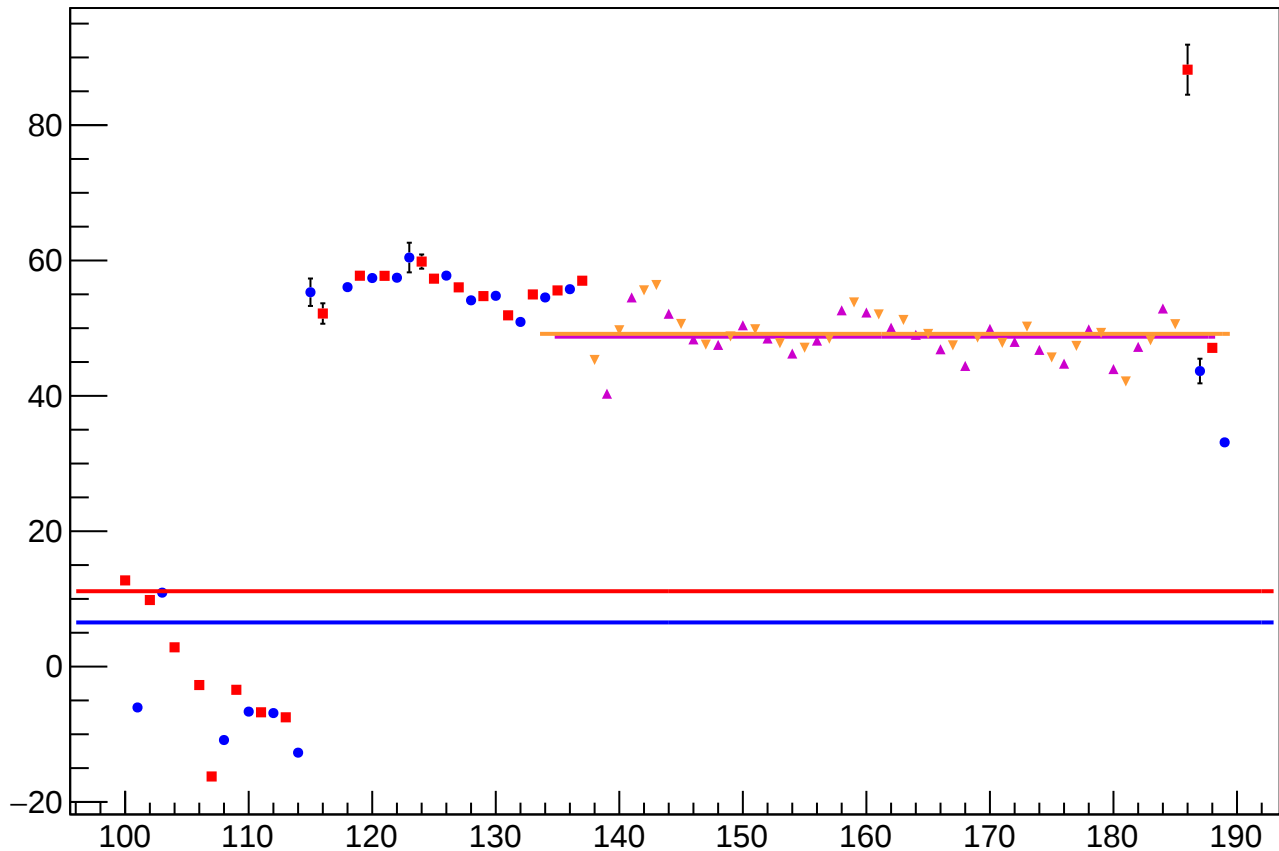
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.839 ± 0.054 χ^2/NDF : 11323.5/43

All: 3.413 ± 0.038 χ^2/NDF : 25569.2/87

- sign 3.008 ± 0.053 χ^2/NDF : 14126.4/43

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.523 ± 0.065 χ^2/NDF : 122678.7/18

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 11.136 ± 0.069 χ^2/NDF : 130301.9/20

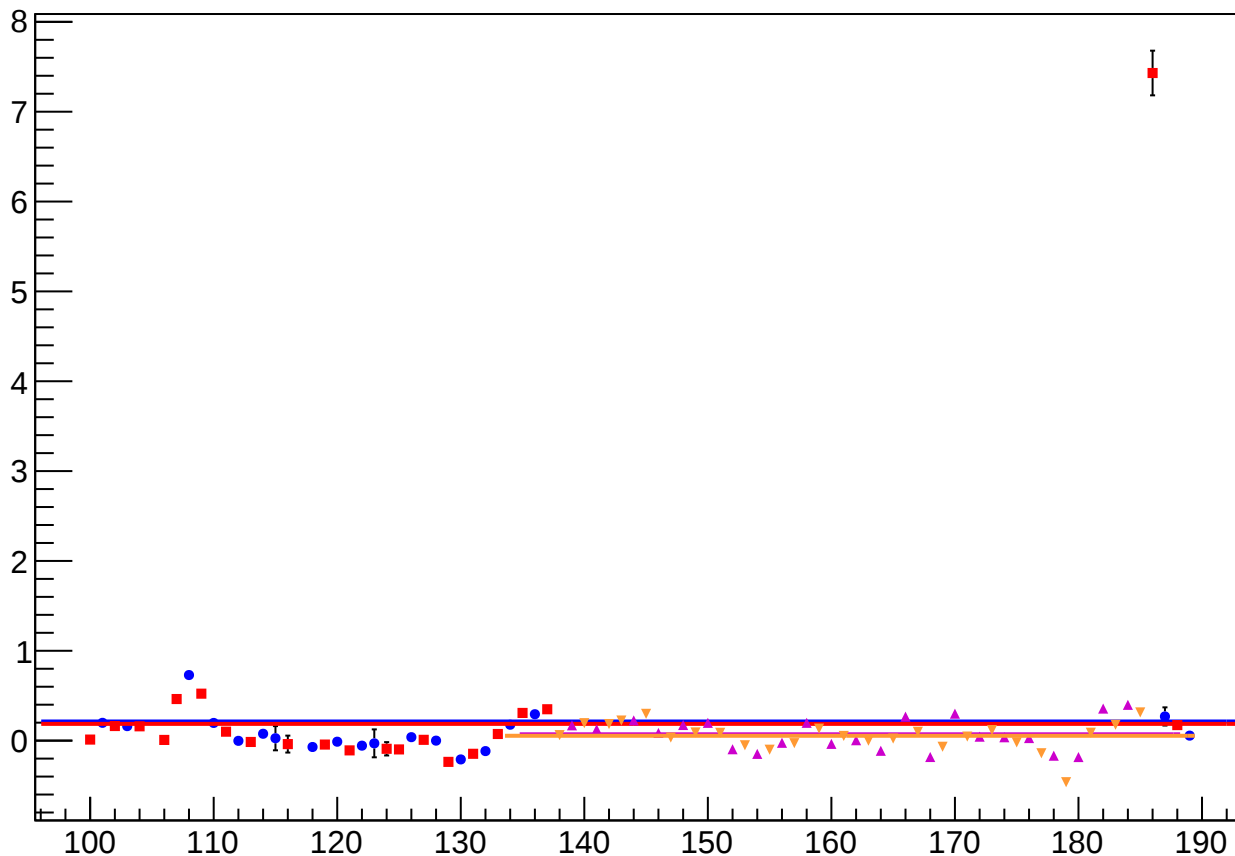
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.777 ± 0.045 χ^2/NDF : 352981.2/43

All: 30.003 ± 0.032 χ^2/NDF : 647851.7/87

- sign 31.349 ± 0.047 χ^2/NDF : 293285.7/43

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.213+/-0.003 χ^2/NDF : 3972.5/18

Left Out: 0.054+/-0.003 χ^2/NDF : 2379.8/24

Right Out: 0.186+/-0.003 χ^2/NDF : 3565.0/20

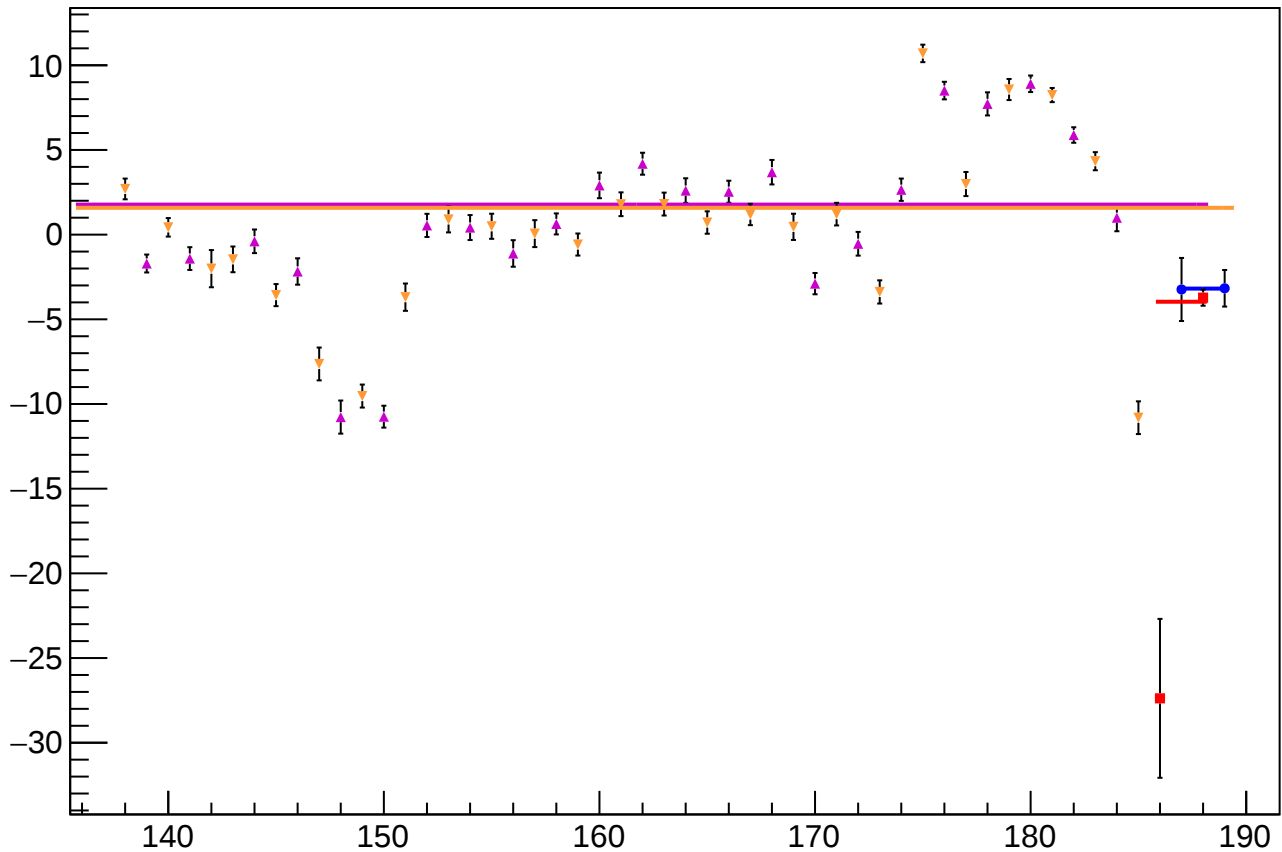
Left In: 0.070+/-0.003 χ^2/NDF : 3233.8/22

+ sign 0.136+/-0.002 χ^2/NDF : 7979.5/43

All: 0.134+/-0.001 χ^2/NDF : 15663.5/87

- sign 0.133+/-0.002 χ^2/NDF : 7682.9/43

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -3.186 ± 0.934 χ^2/NDF : 0.0/1

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.962 ± 0.475 χ^2/NDF : 25.2/1

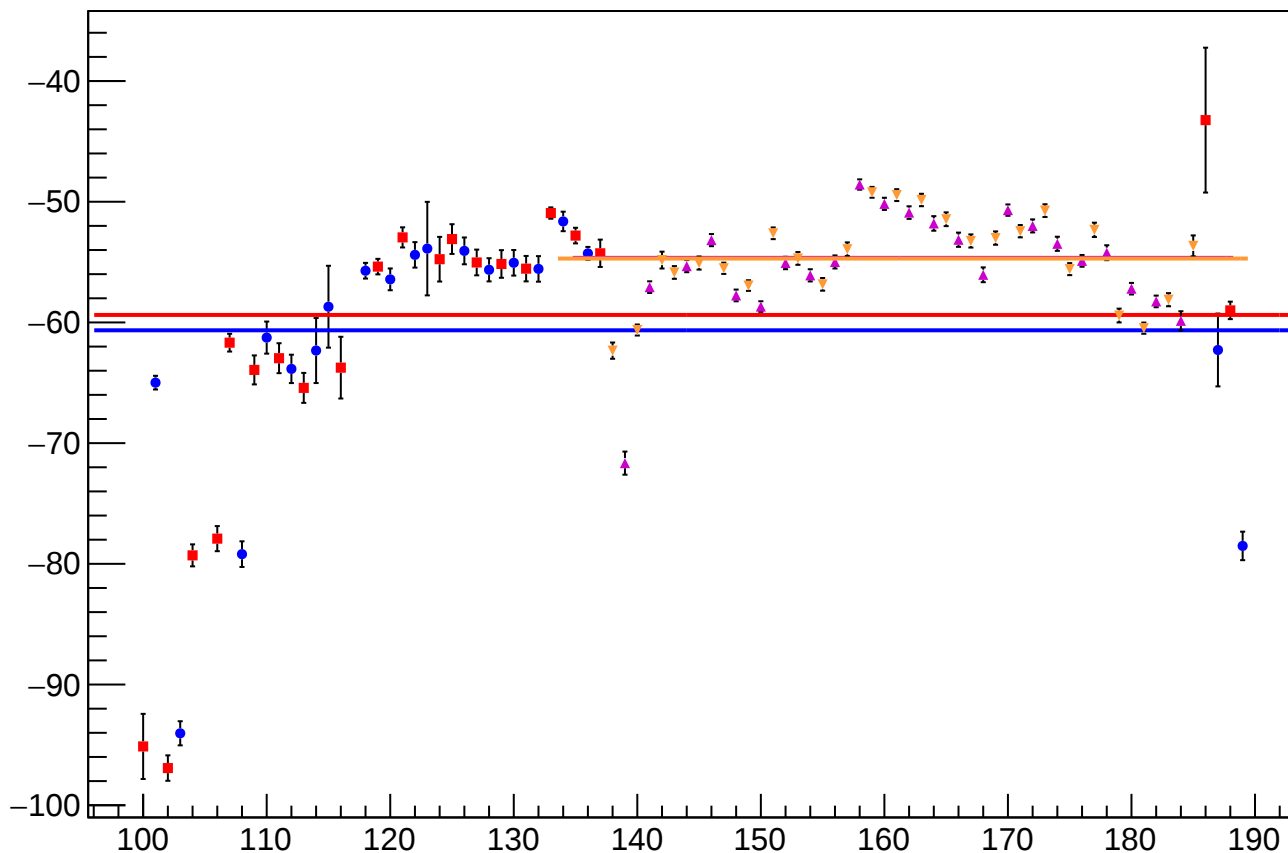
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 1.490 ± 0.131 χ^2/NDF : 1484.4/26

All: 1.416 ± 0.092 χ^2/NDF : 2942.6/51

- sign 1.343 ± 0.130 χ^2/NDF : 1457.6/24

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -60.652 ± 0.221 χ^2/NDF : 2211.1/18

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -59.379 ± 0.203 χ^2/NDF : 2927.7/20

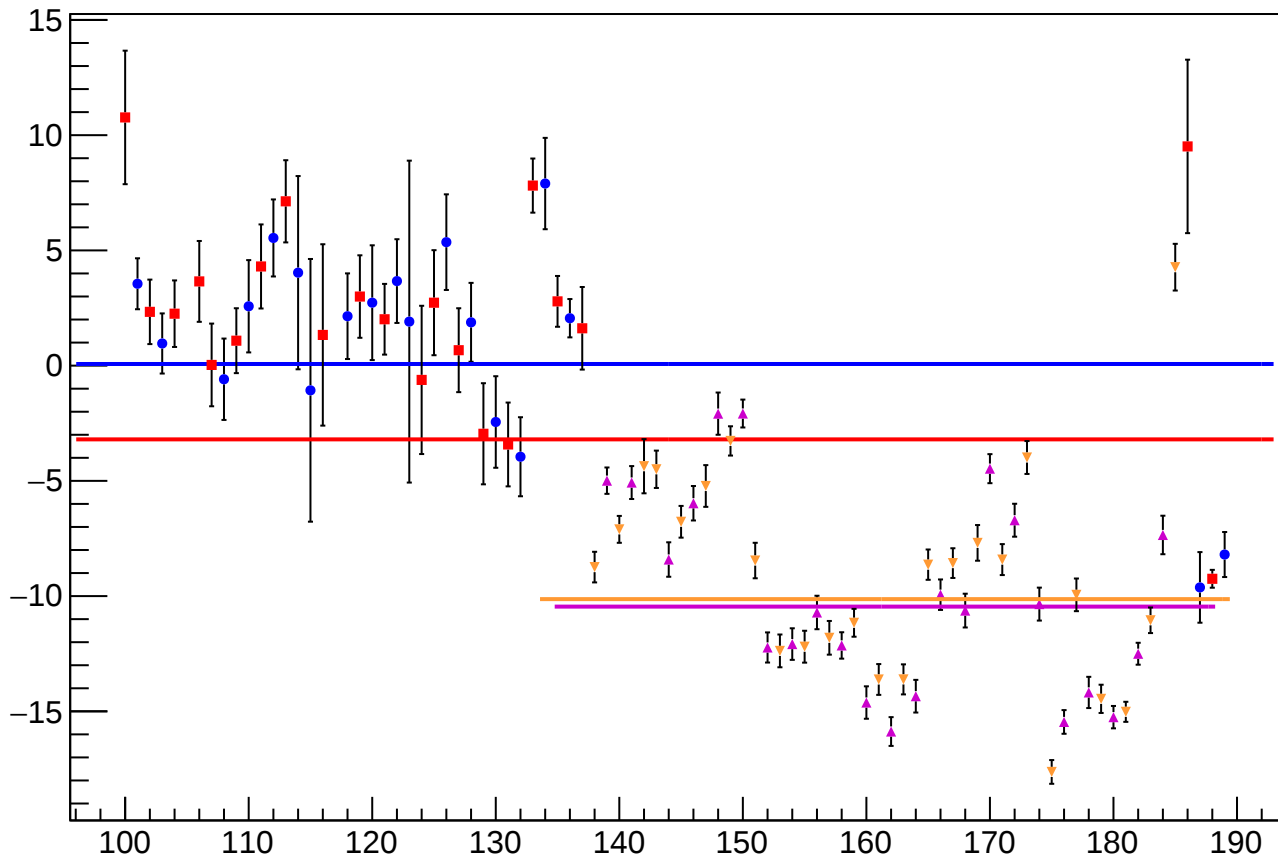
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -55.817 ± 0.095 χ^2/NDF : 3927.7/43

All: -55.767 ± 0.068 χ^2/NDF : 8351.4/87

- sign -55.716 ± 0.097 χ^2/NDF : 4423.1/43

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 0.071 ± 0.364 χ^2/NDF : 177.8/18

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -3.200 ± 0.274 χ^2/NDF : 548.1/20

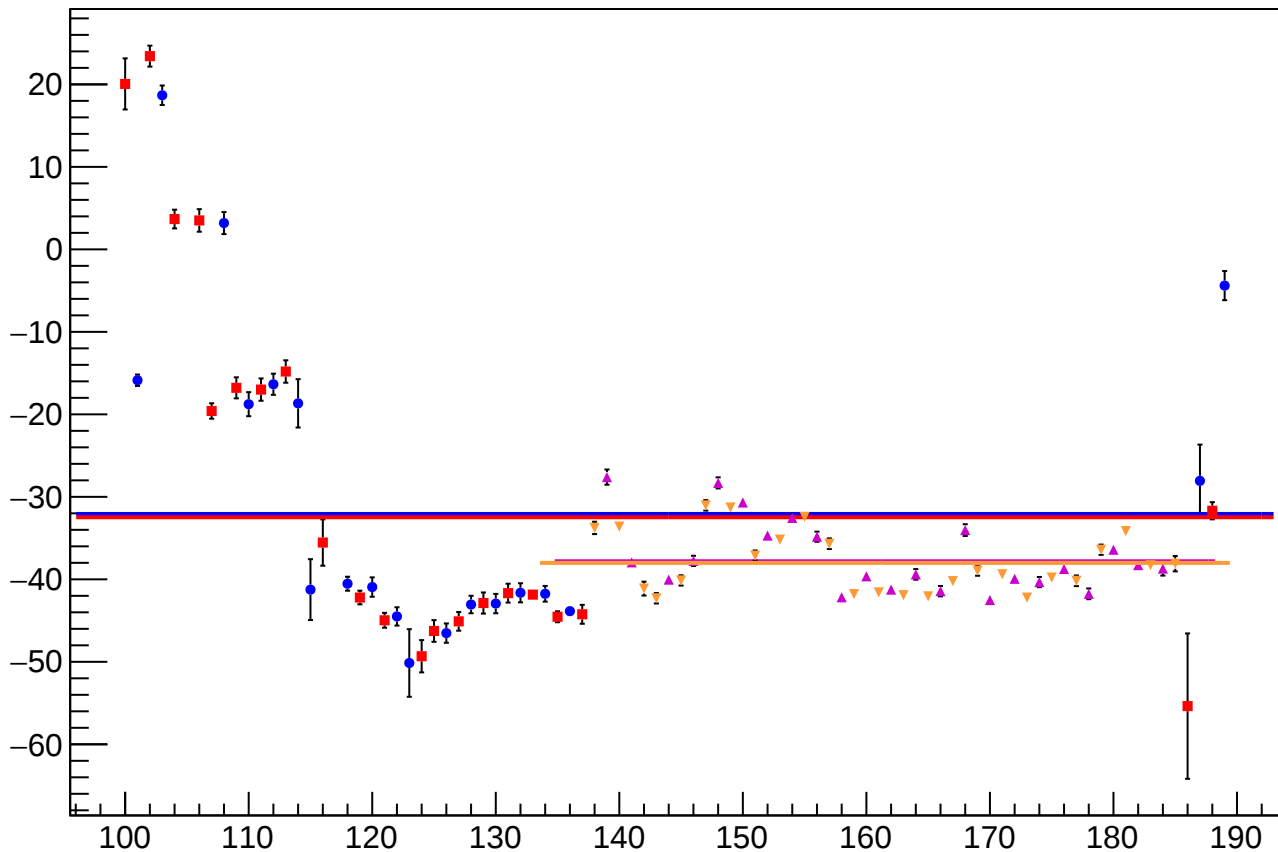
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.934 ± 0.125 χ^2/NDF : 1925.8/43

All: -8.989 ± 0.087 χ^2/NDF : 4043.3/87

- sign -9.041 ± 0.121 χ^2/NDF : 2117.1/43

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.075 ± 0.253 $\chi^2/\text{NDF}: 4894.6/18$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -32.475 ± 0.238 $\chi^2/\text{NDF}: 6050.3/20$

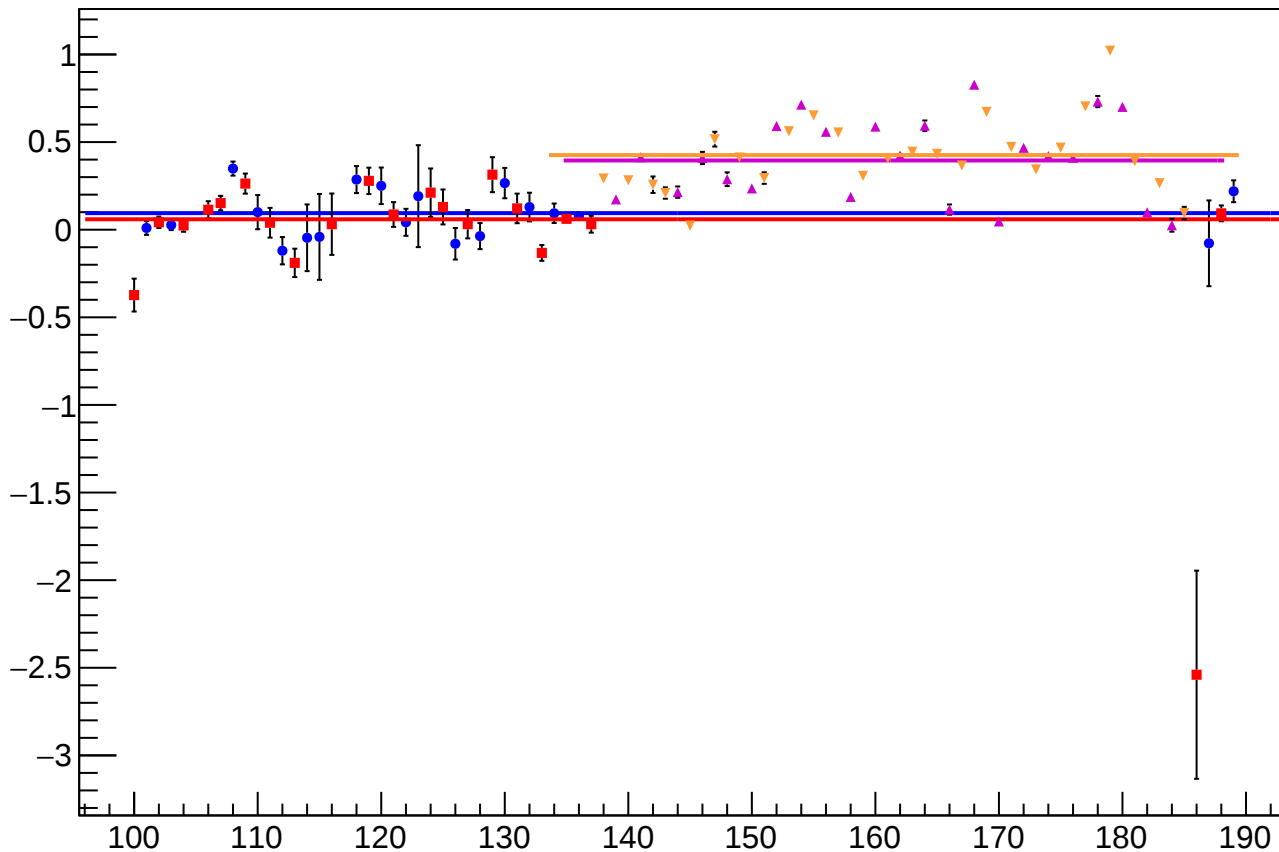
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -36.936 ± 0.107 $\chi^2/\text{NDF}: 6291.0/43$

All: -36.816 ± 0.076 $\chi^2/\text{NDF}: 13781.7/87$

- sign -36.693 ± 0.109 $\chi^2/\text{NDF}: 7488.2/43$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.095 ± 0.012 χ^2/NDF : 83.7/18

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.059 ± 0.012 χ^2/NDF : 106.7/20

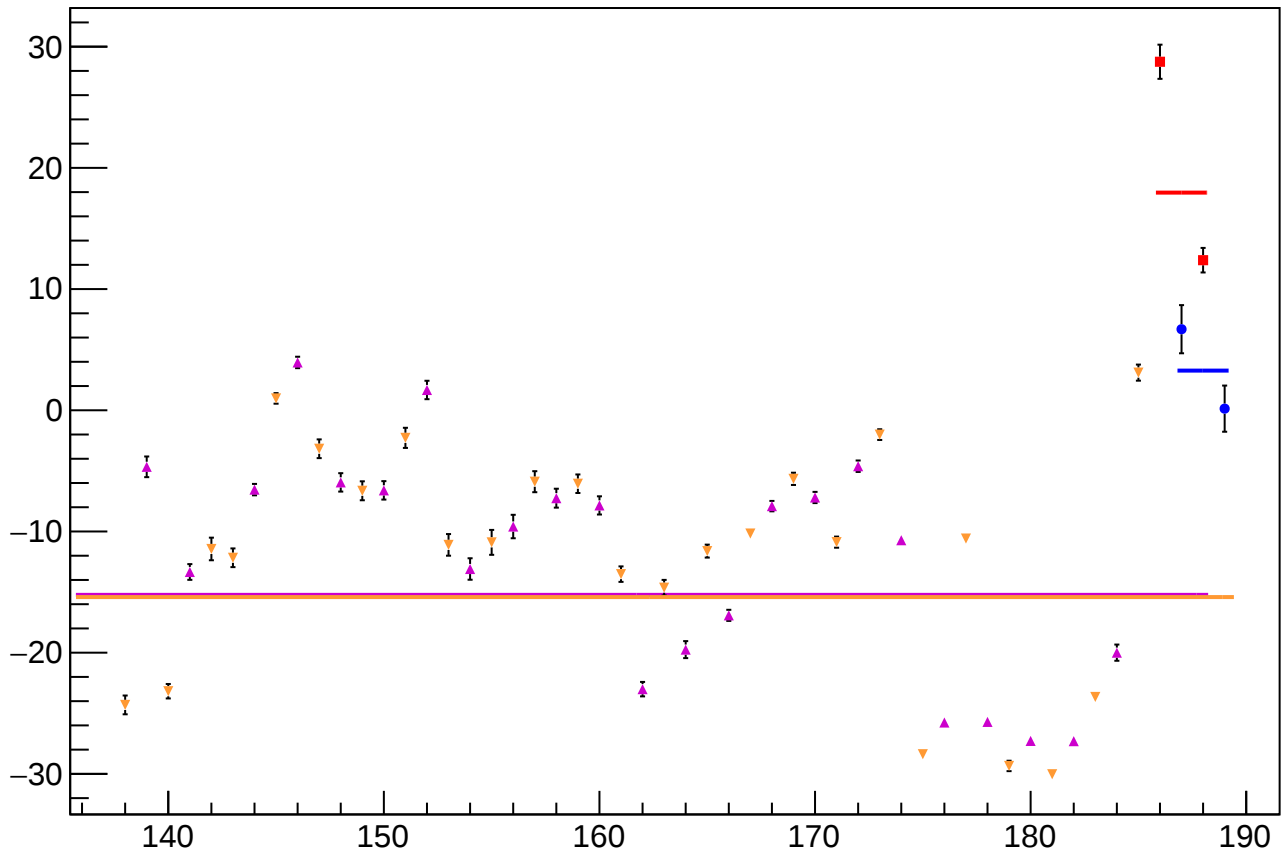
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.374 ± 0.005 χ^2/NDF : 1981.8/43

All: 0.355 ± 0.003 χ^2/NDF : 4588.2/87

- sign 0.336 ± 0.005 χ^2/NDF : 2577.1/43

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 3.273 ± 1.375 $\chi^2/\text{NDF}: 5.7/1$

Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$

Right Out: 17.959 ± 0.823 $\chi^2/\text{NDF}: 89.0/1$

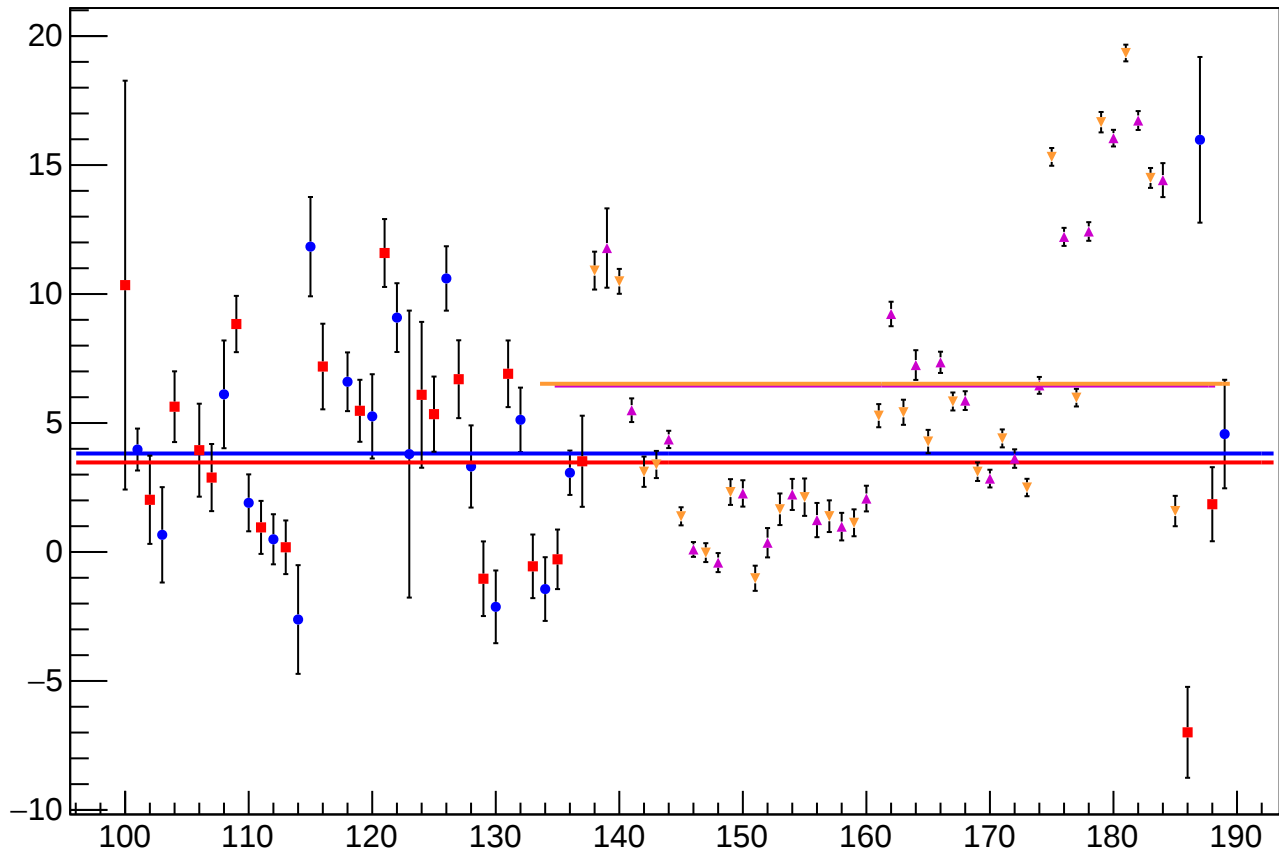
Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.304 ± 0.105 $\chi^2/\text{NDF}: 10698.4/26$

All: -14.995 ± 0.074 $\chi^2/\text{NDF}: 21063.4/51$

- sign -14.680 ± 0.106 $\chi^2/\text{NDF}: 10347.5/24$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.818 ± 0.306 χ^2/NDF : 149.8/18

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.471 ± 0.305 χ^2/NDF : 171.9/20

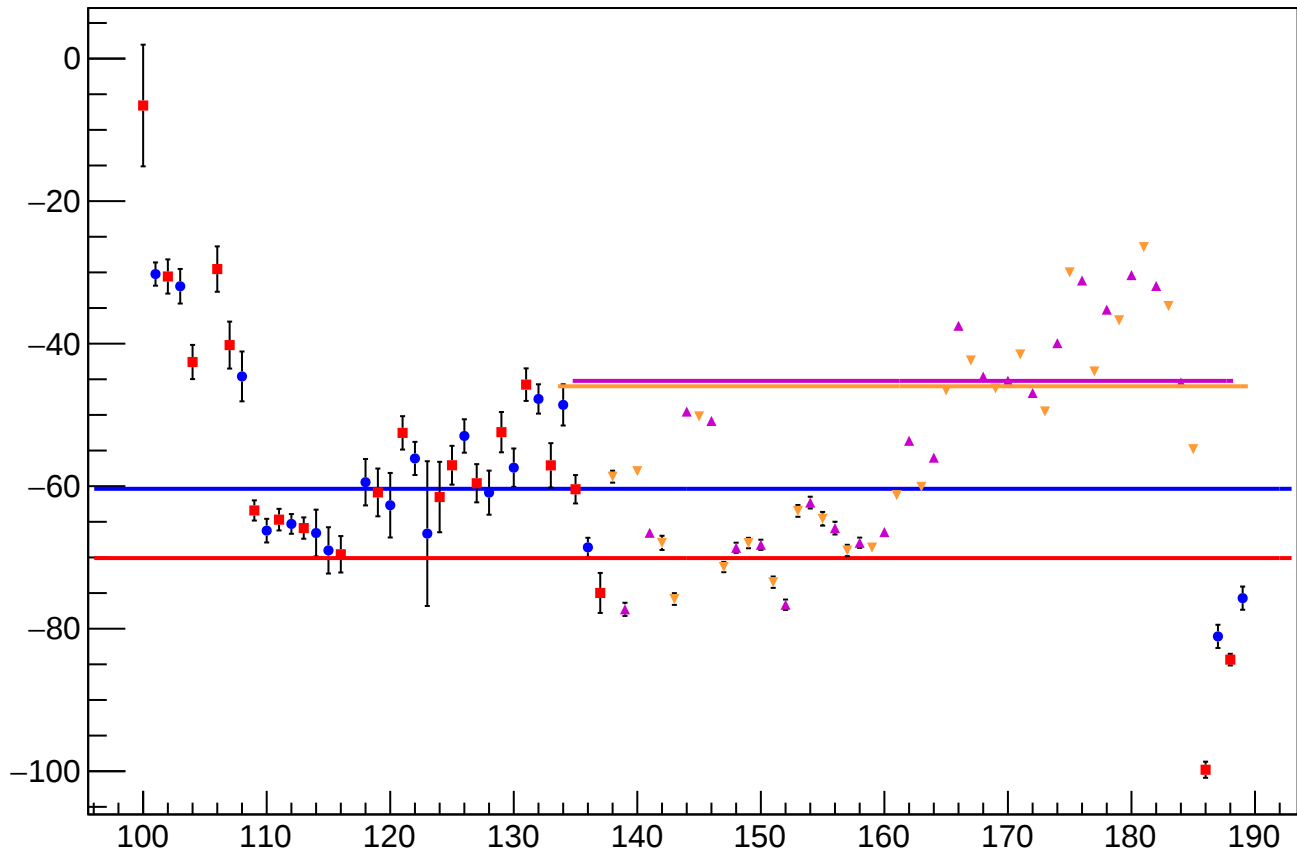
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.326 ± 0.082 χ^2/NDF : 5207.3/43

All: 6.279 ± 0.058 χ^2/NDF : 9416.6/87

- sign 6.231 ± 0.083 χ^2/NDF : 4208.7/43

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -60.368 ± 0.492 χ^2/NDF : 891.7/18

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -70.090 ± 0.417 χ^2/NDF : 2039.4/20

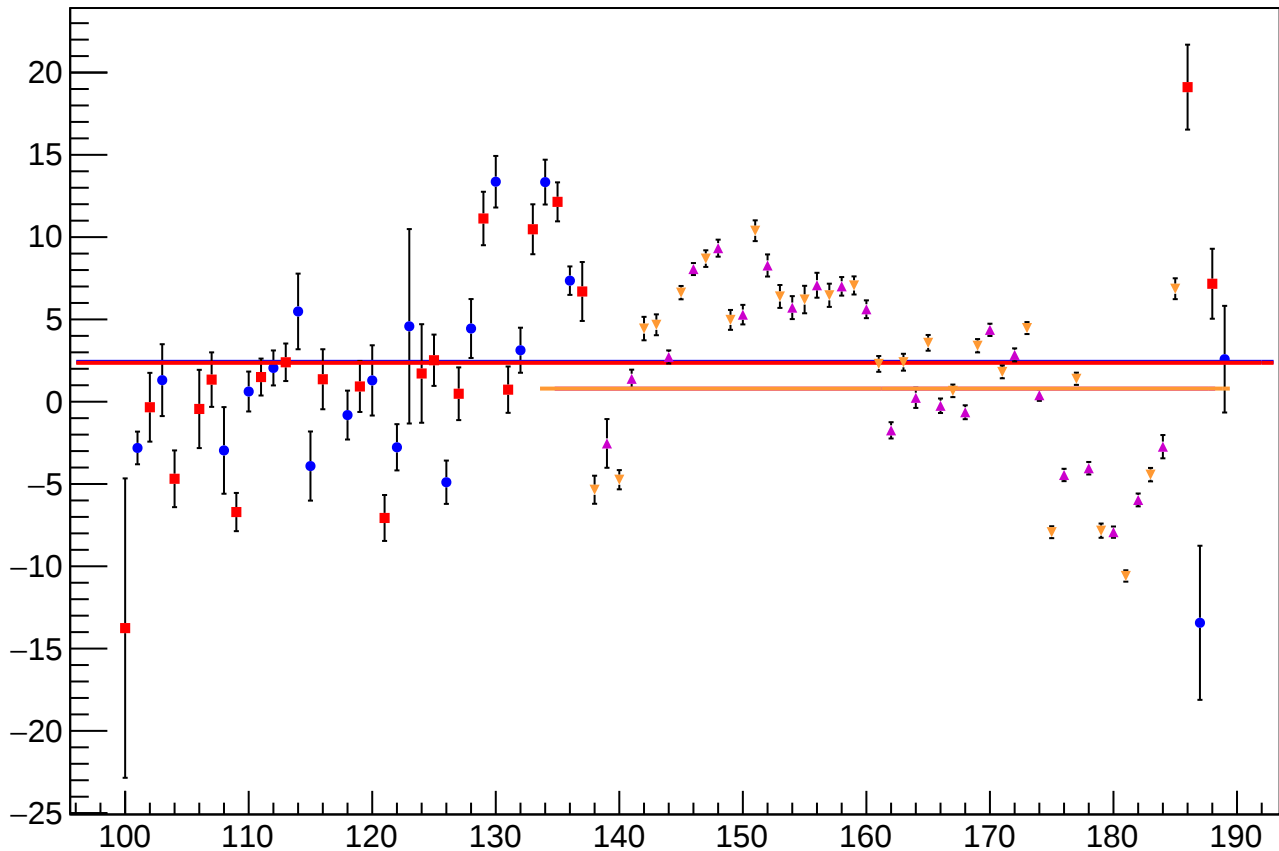
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.623 ± 0.104 χ^2/NDF : 19068.2/43

All: -46.693 ± 0.073 χ^2/NDF : 40043.1/87

- sign -46.763 ± 0.104 χ^2/NDF : 20974.1/43

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.423 $\pm$ 0.345 χ^2 /NDF: 253.8/18

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 2.363 $\pm$ 0.347 χ^2 /NDF: 313.4/20

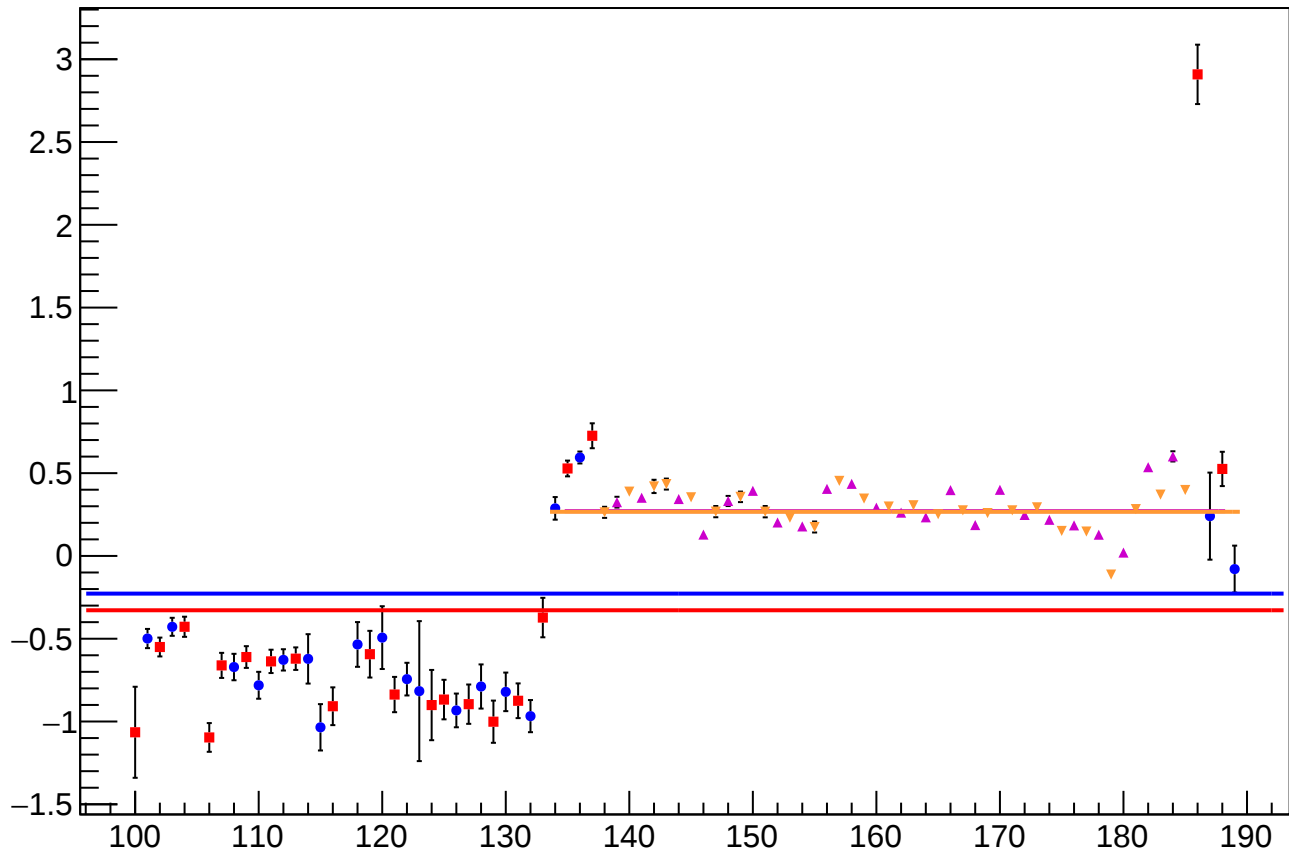
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.913 $\pm$ 0.092 χ^2 /NDF: 4034.4/43

All: 0.909 $\pm$ 0.065 χ^2 /NDF: 7059.3/87

- sign 0.905 $\pm$ 0.093 χ^2 /NDF: 3024.9/43

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.228 ± 0.019 χ^2/NDF : 961.4/18

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.328 ± 0.019 χ^2/NDF : 1249.8/20

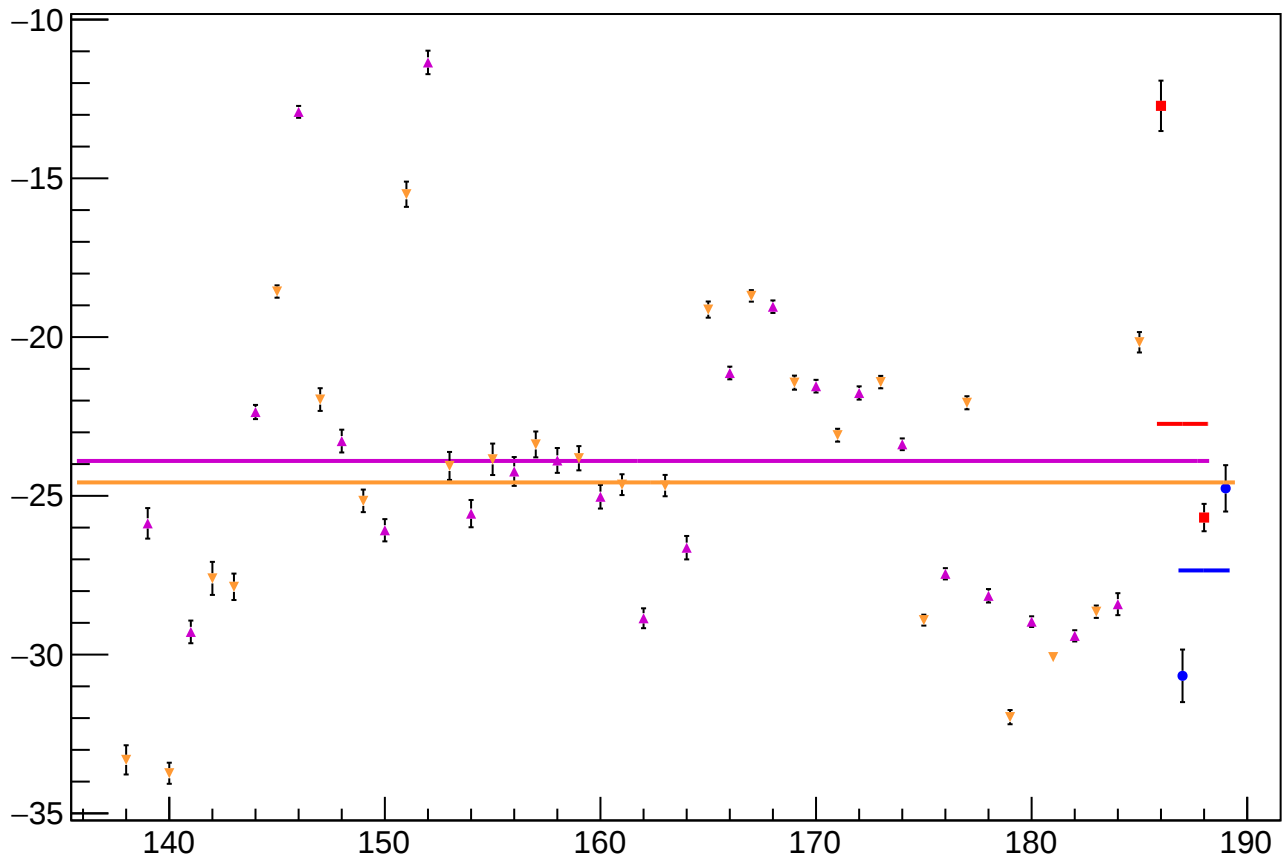
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.241 ± 0.004 χ^2/NDF : 2322.7/43

All: 0.240 ± 0.003 χ^2/NDF : 5523.5/87

- sign 0.238 ± 0.004 χ^2/NDF : 3200.5/43

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -27.349 ± 0.548 χ^2/NDF : 28.6/1

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -22.733 ± 0.379 χ^2/NDF : 206.2/1

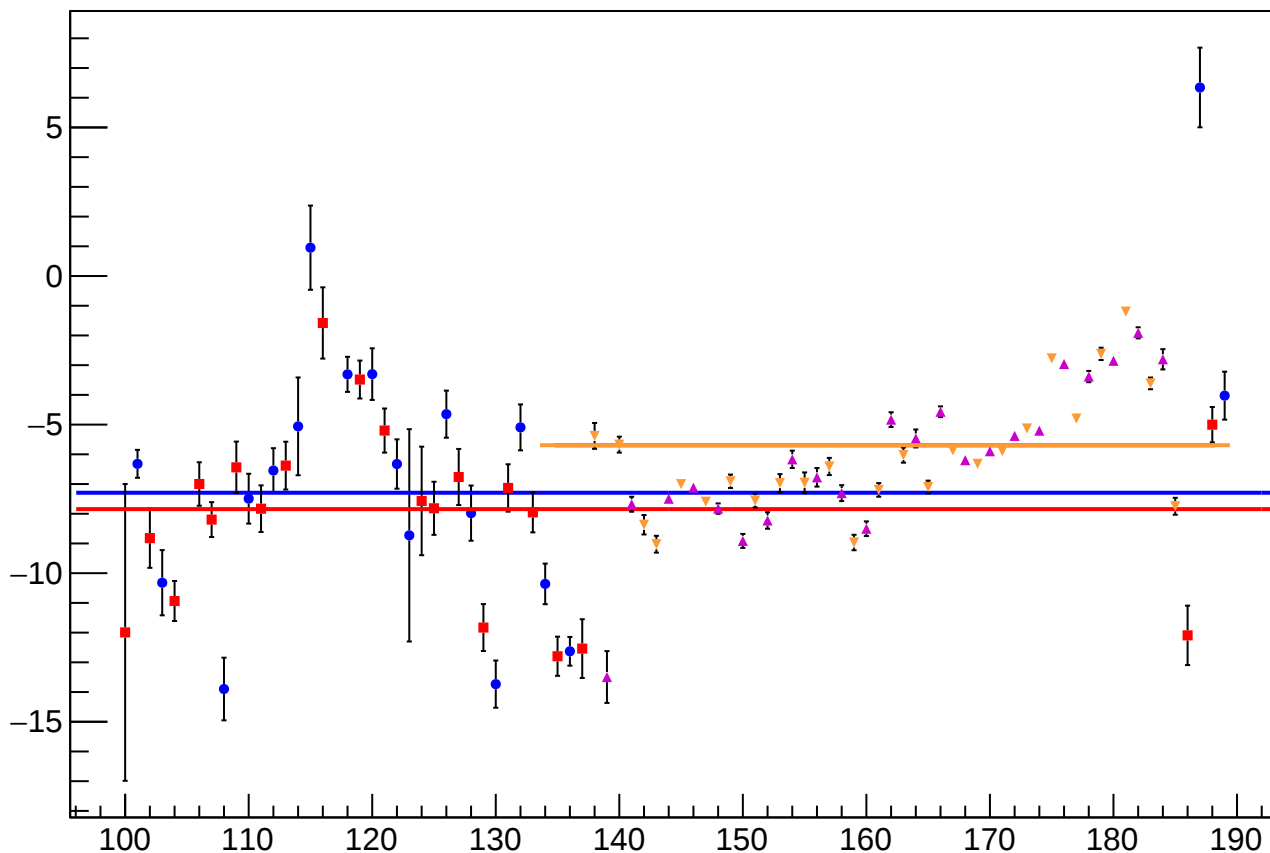
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.601 ± 0.051 χ^2/NDF : 8644.5/26

All: -24.240 ± 0.036 χ^2/NDF : 18116.0/51

- sign -23.880 ± 0.051 χ^2/NDF : 9370.4/24

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.293 ± 0.181 χ^2/NDF : 503.6/18

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.844 ± 0.175 χ^2/NDF : 264.5/20

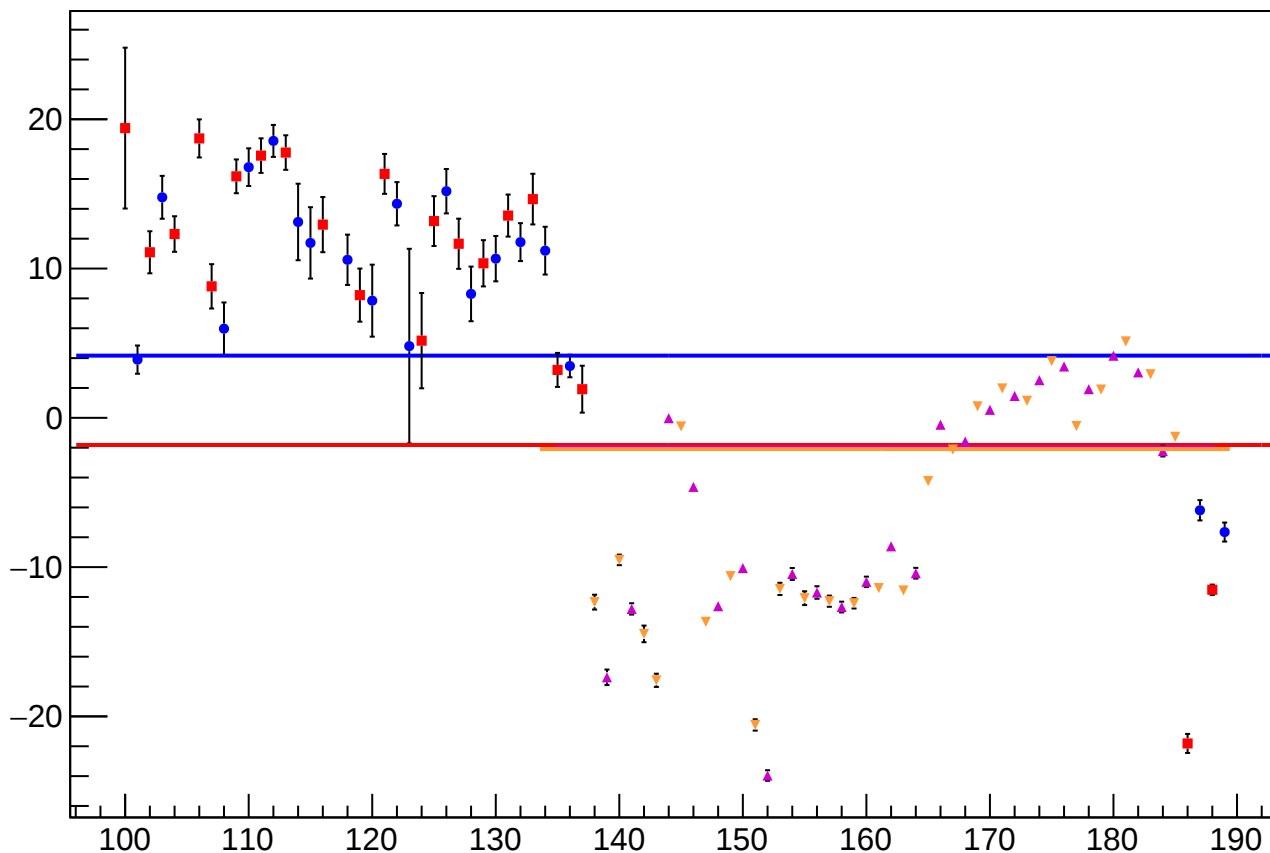
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.773 ± 0.040 χ^2/NDF : 2836.2/43

All: -5.790 ± 0.028 χ^2/NDF : 5554.0/87

- sign -5.807 ± 0.040 χ^2/NDF : 2717.4/43

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 4.167 ± 0.274 $\chi^2/\text{NDF}: 1135.3/18$

Left Out: -2.092 ± 0.051 $\chi^2/\text{NDF}: 16305.3/24$

Right Out: -1.820 ± 0.225 $\chi^2/\text{NDF}: 3870.0/20$

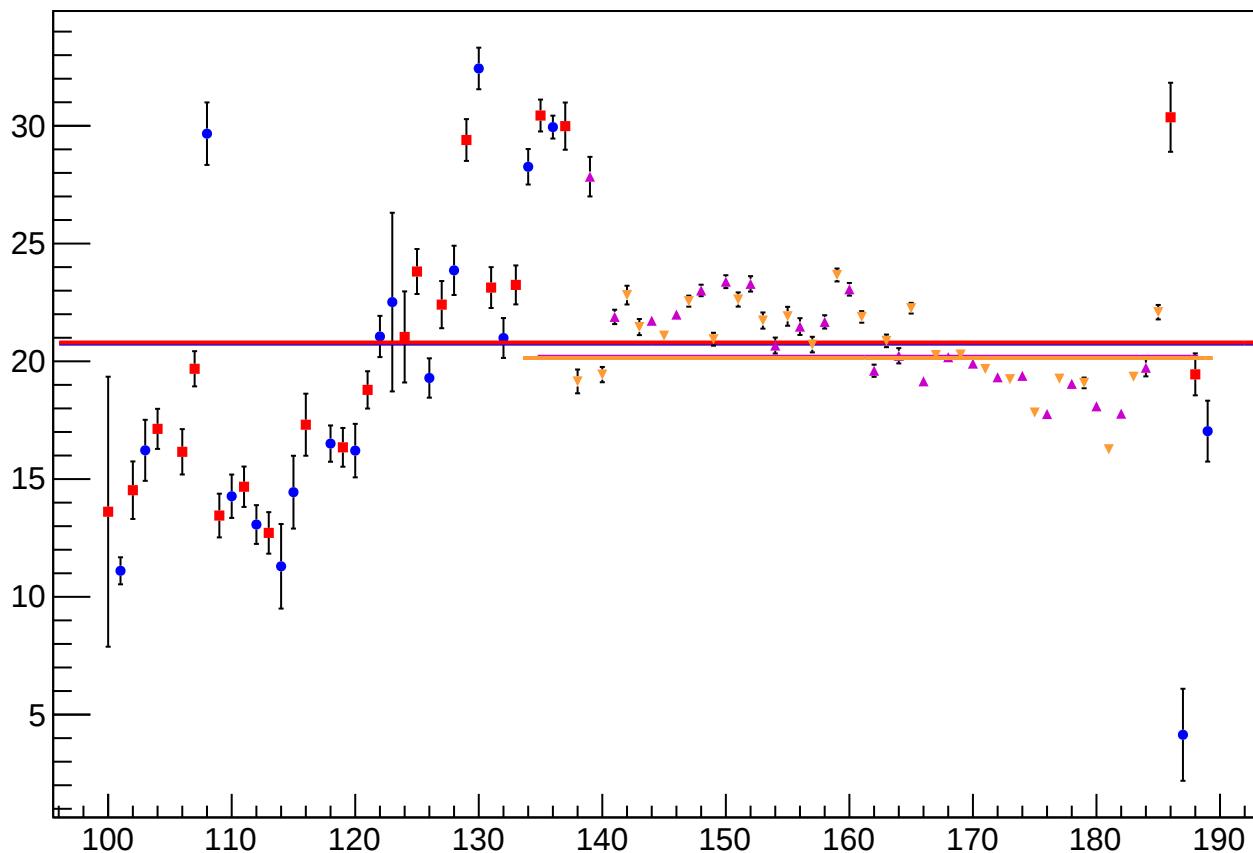
Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

+ sign -1.879 ± 0.051 $\chi^2/\text{NDF}: 17946.1/43$

All: -1.926 ± 0.036 $\chi^2/\text{NDF}: 37200.6/87$

- sign -1.972 ± 0.050 $\chi^2/\text{NDF}: 19252.8/43$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.751 $\pm$ 0.207 χ^2 /NDF: 1291.8/18

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.798 $\pm$ 0.205 χ^2 /NDF: 766.9/20

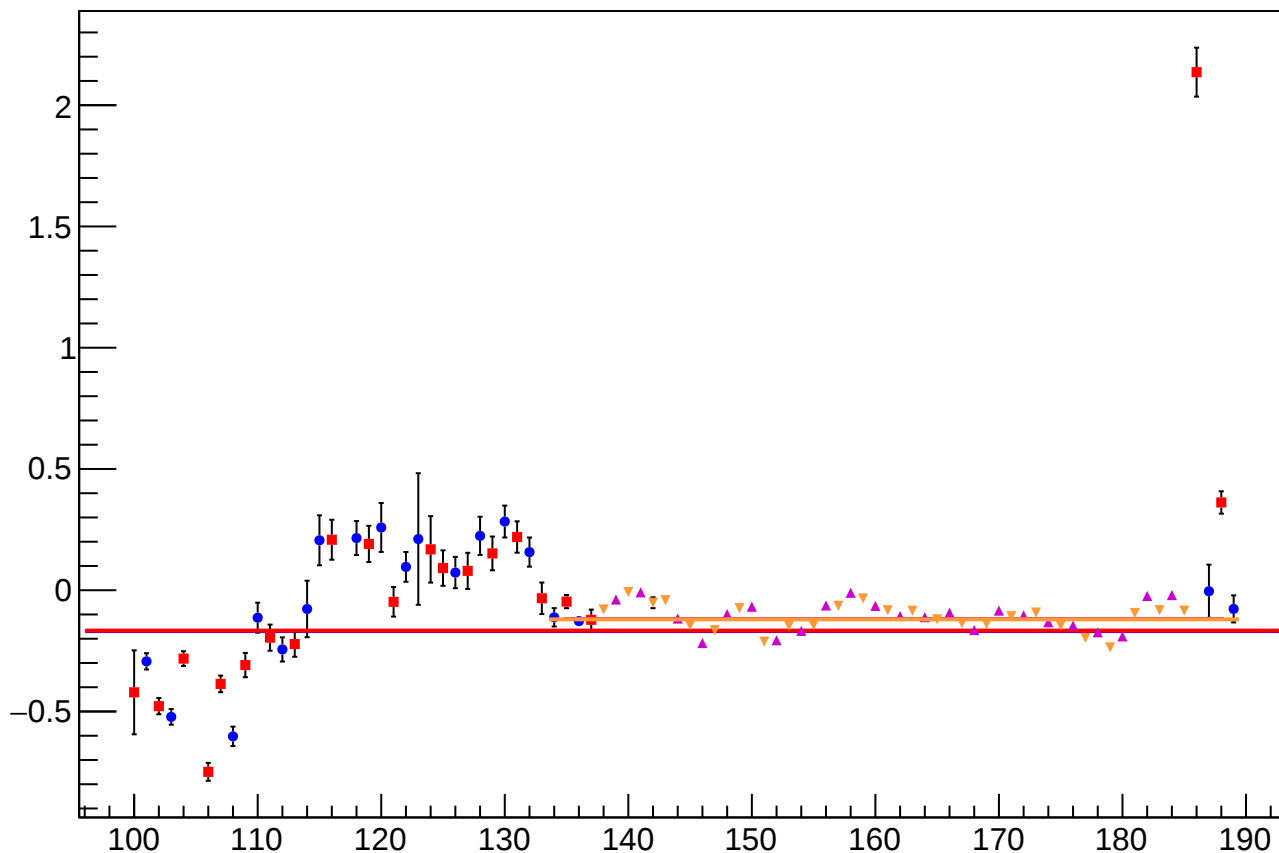
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.169 $\pm$ 0.045 χ^2 /NDF: 2719.2/43

All: 20.196 $\pm$ 0.032 χ^2 /NDF: 4942.5/87

- sign 20.223 $\pm$ 0.045 χ^2 /NDF: 2222.5/43

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.168 ± 0.011 χ^2/NDF : 463.4/18

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.167 ± 0.011 χ^2/NDF : 1211.4/20

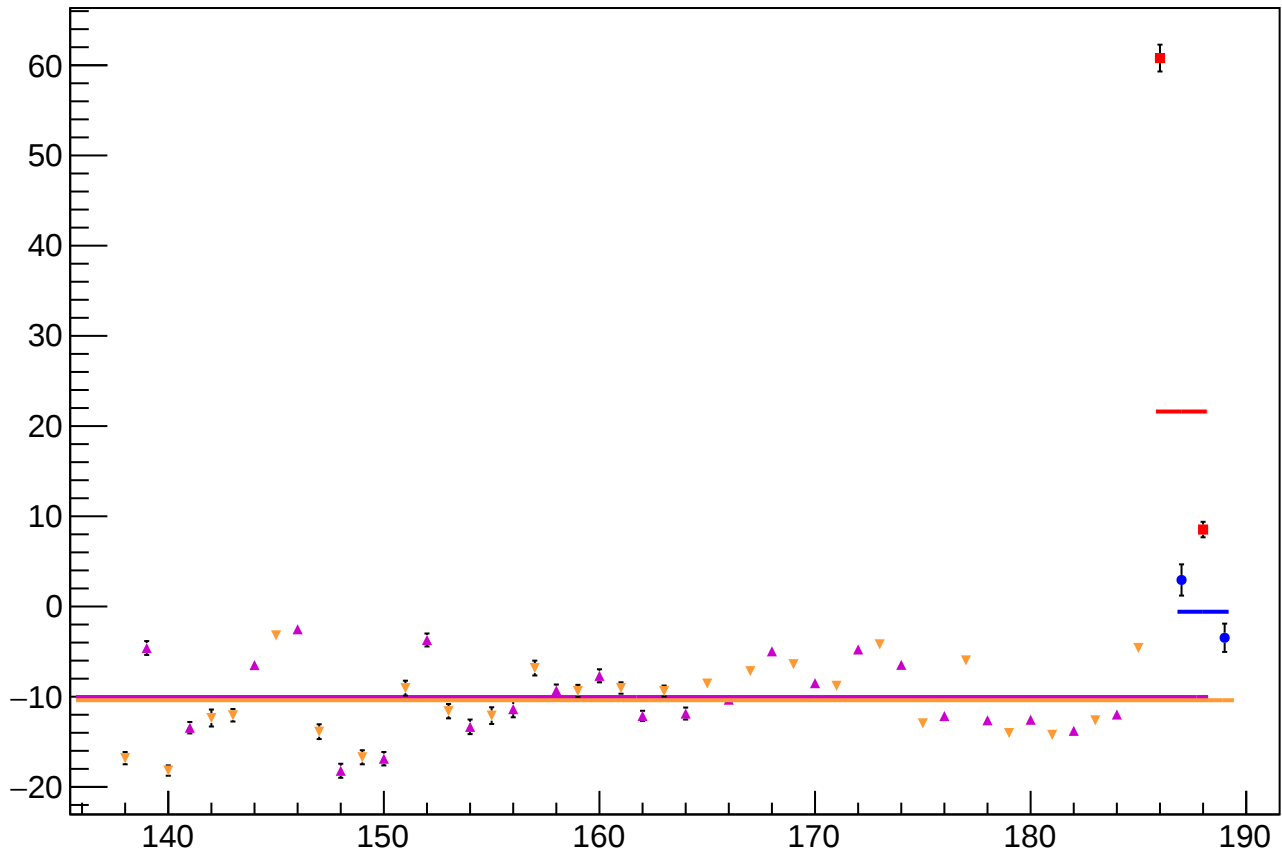
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.122 ± 0.002 χ^2/NDF : 1012.6/43

All: -0.121 ± 0.001 χ^2/NDF : 2965.6/87

- sign -0.120 ± 0.002 χ^2/NDF : 1952.7/43

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -0.582 ± 1.163 $\chi^2/\text{NDF}: 7.5/1$

Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$

Right Out: 21.613 ± 0.744 $\chi^2/\text{NDF}: 926.6/1$

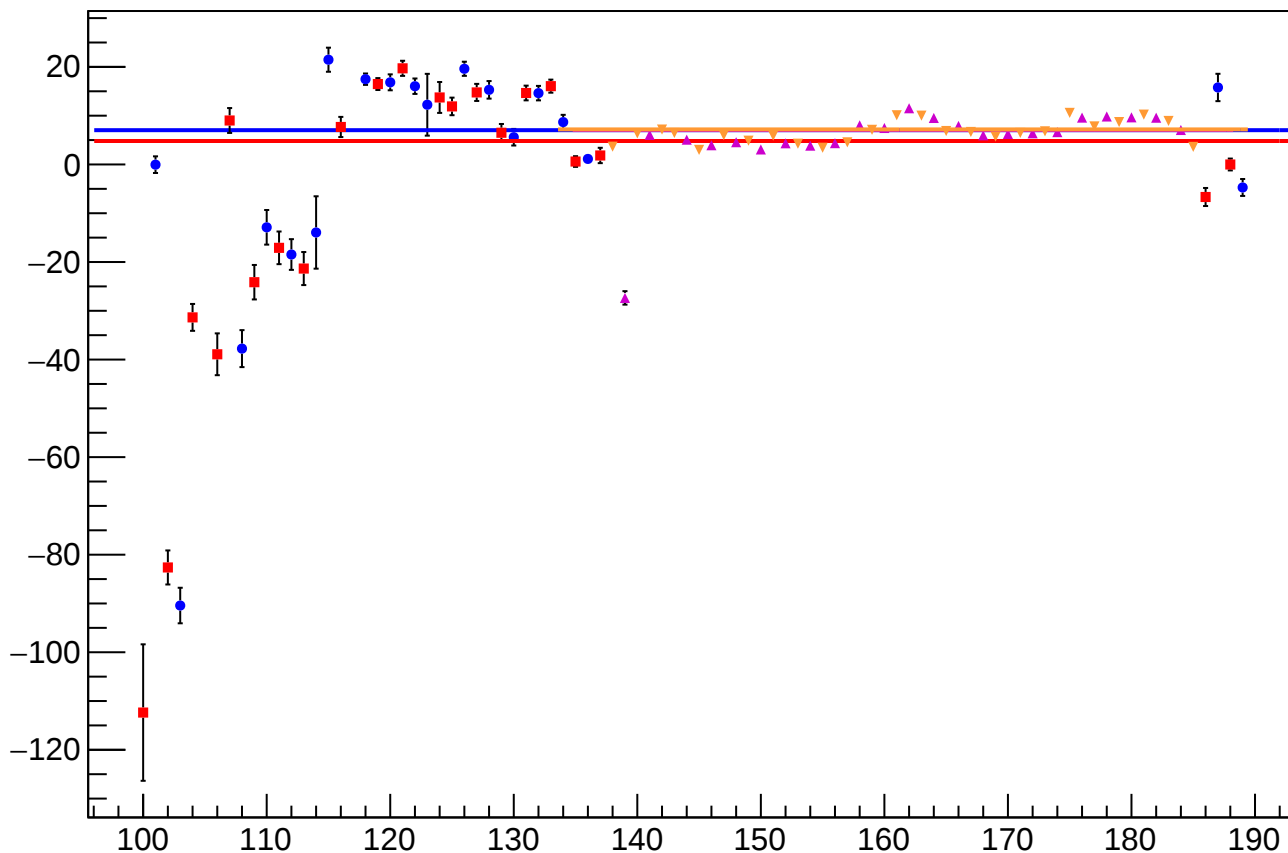
Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

+ sign -10.335 ± 0.088 $\chi^2/\text{NDF}: 2189.9/26$

All: -9.965 ± 0.062 $\chi^2/\text{NDF}: 6696.1/51$

- sign -9.584 ± 0.089 $\chi^2/\text{NDF}: 4469.9/24$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.027+/-0.392 χ^2/NDF : 1397.4/18

Left Out: 7.184+/-0.073 χ^2/NDF : 917.3/24

Right Out: 4.810+/-0.400 χ^2/NDF : 1574.4/20

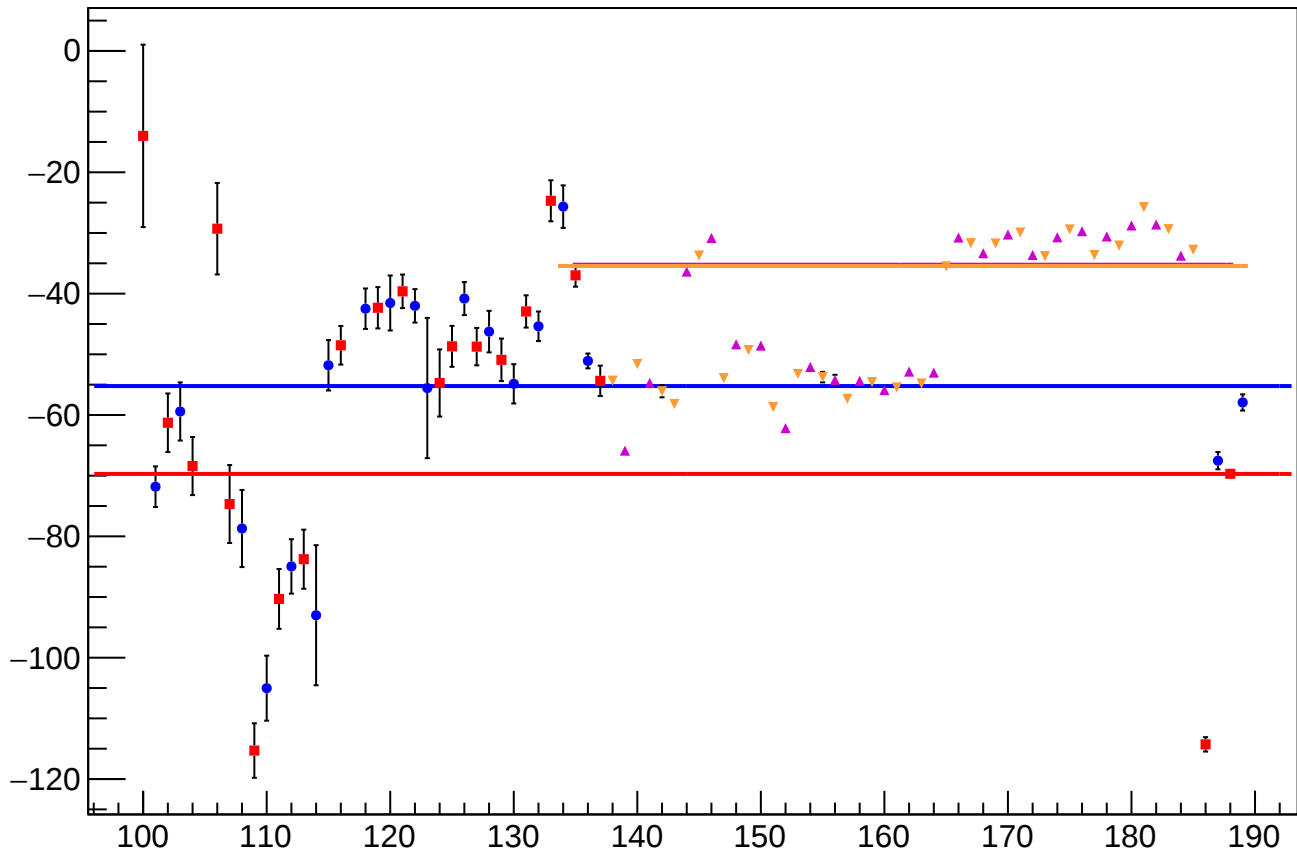
Left In: 7.053+/-0.074 χ^2/NDF : 1535.8/22

+ sign 7.179+/-0.072 χ^2/NDF : 2314.9/43

All: 7.079+/-0.051 χ^2/NDF : 5459.4/87

- sign 6.978+/-0.073 χ^2/NDF : 3140.6/43

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -55.230 ± 0.590 χ^2/NDF : 439.9/18

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -69.711 ± 0.479 χ^2/NDF : 2553.1/20

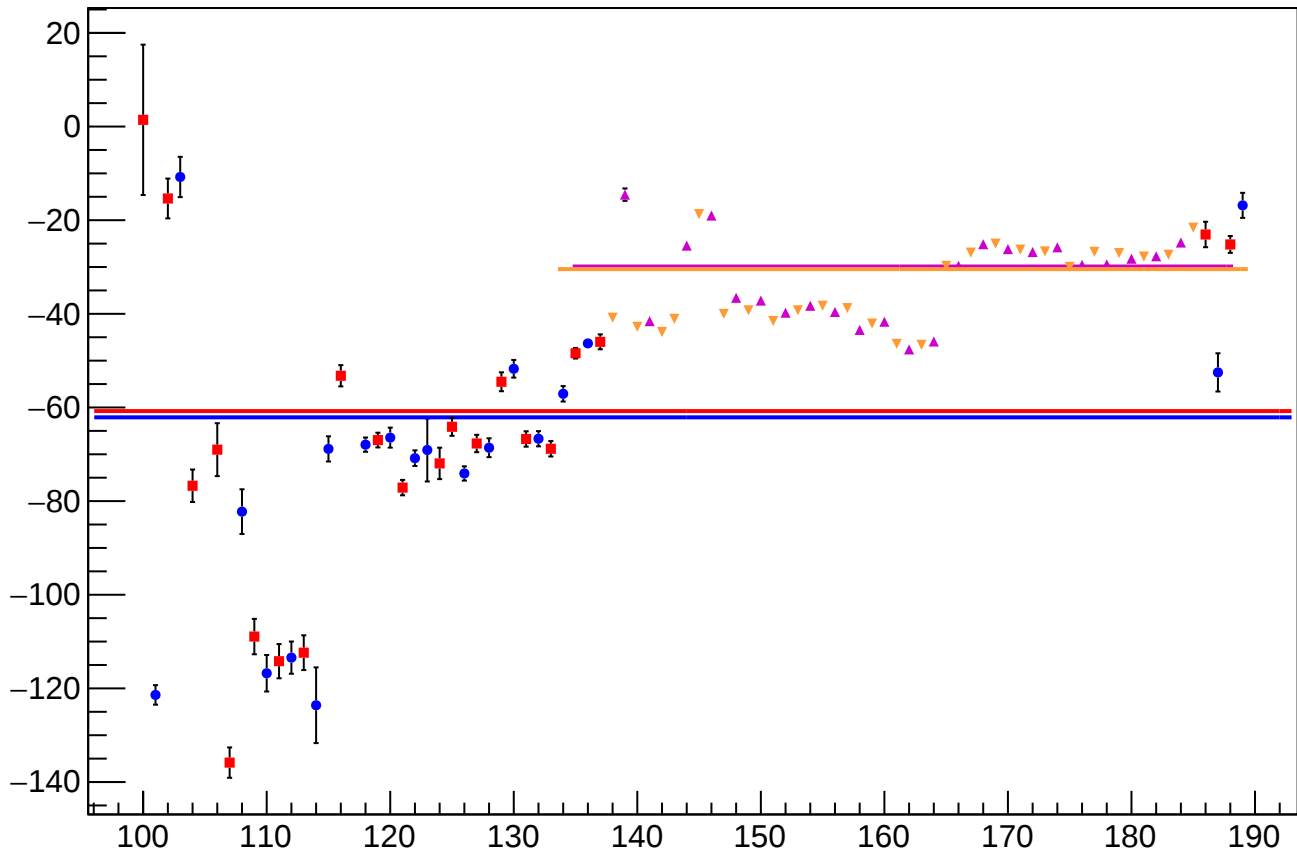
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.874 ± 0.088 χ^2/NDF : 14322.6/43

All: -36.139 ± 0.062 χ^2/NDF : 33499.8/87

- sign -36.407 ± 0.089 χ^2/NDF : 19159.0/43

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -62.108 ± 0.440 $\chi^2/\text{NDF}: 2308.0/18$

Left Out: -30.448 ± 0.082 $\chi^2/\text{NDF}: 8167.7/24$

Right Out: -60.772 ± 0.461 $\chi^2/\text{NDF}: 2247.4/20$

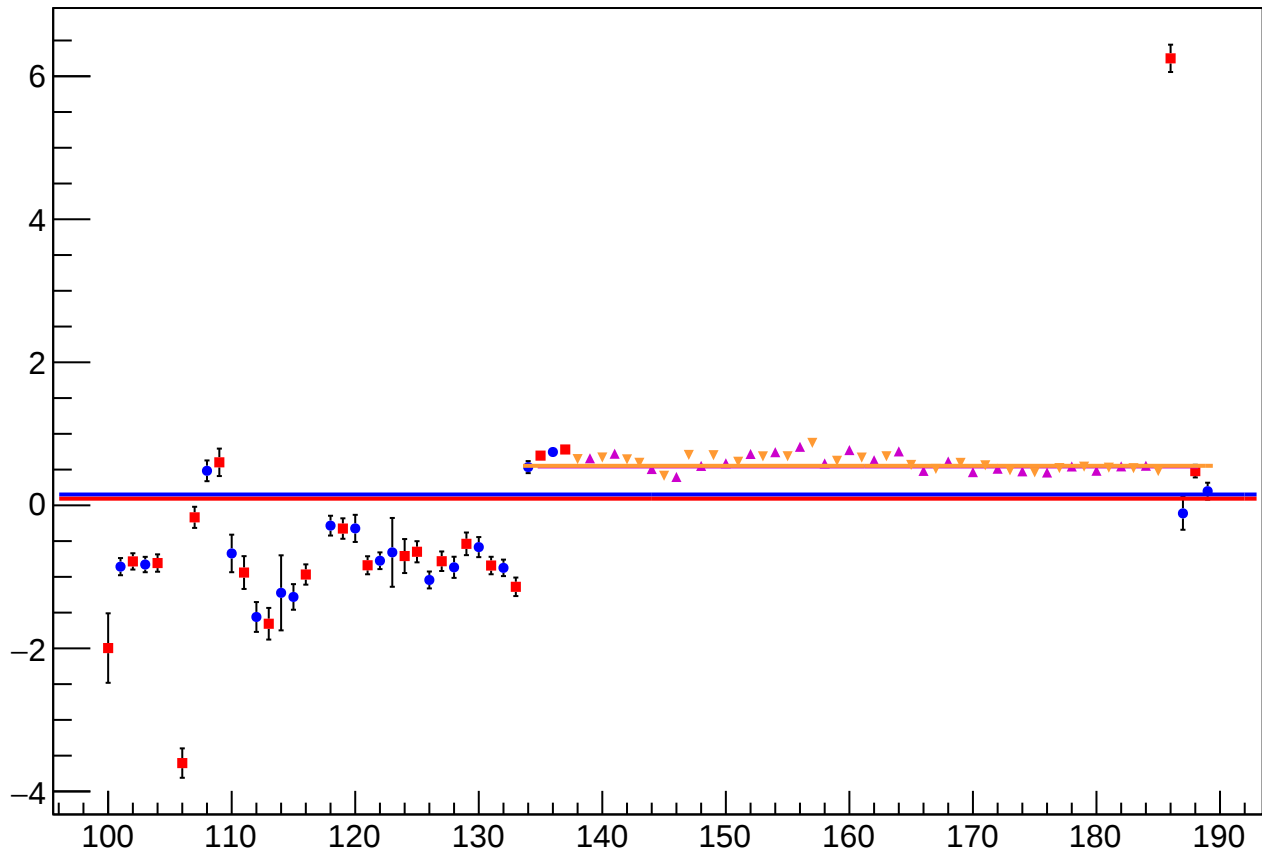
Left In: -29.892 ± 0.083 $\chi^2/\text{NDF}: 7115.0/22$

+ sign -31.497 ± 0.080 $\chi^2/\text{NDF}: 15471.7/43$

All: -31.180 ± 0.057 $\chi^2/\text{NDF}: 29221.8/87$

- sign -30.854 ± 0.081 $\chi^2/\text{NDF}: 13718.4/43$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.151 ± 0.023 χ^2/NDF : 988.8/18

Left Out: 0.553 ± 0.004 χ^2/NDF : 542.1/24

Right Out: 0.093 ± 0.025 χ^2/NDF : 2249.6/20

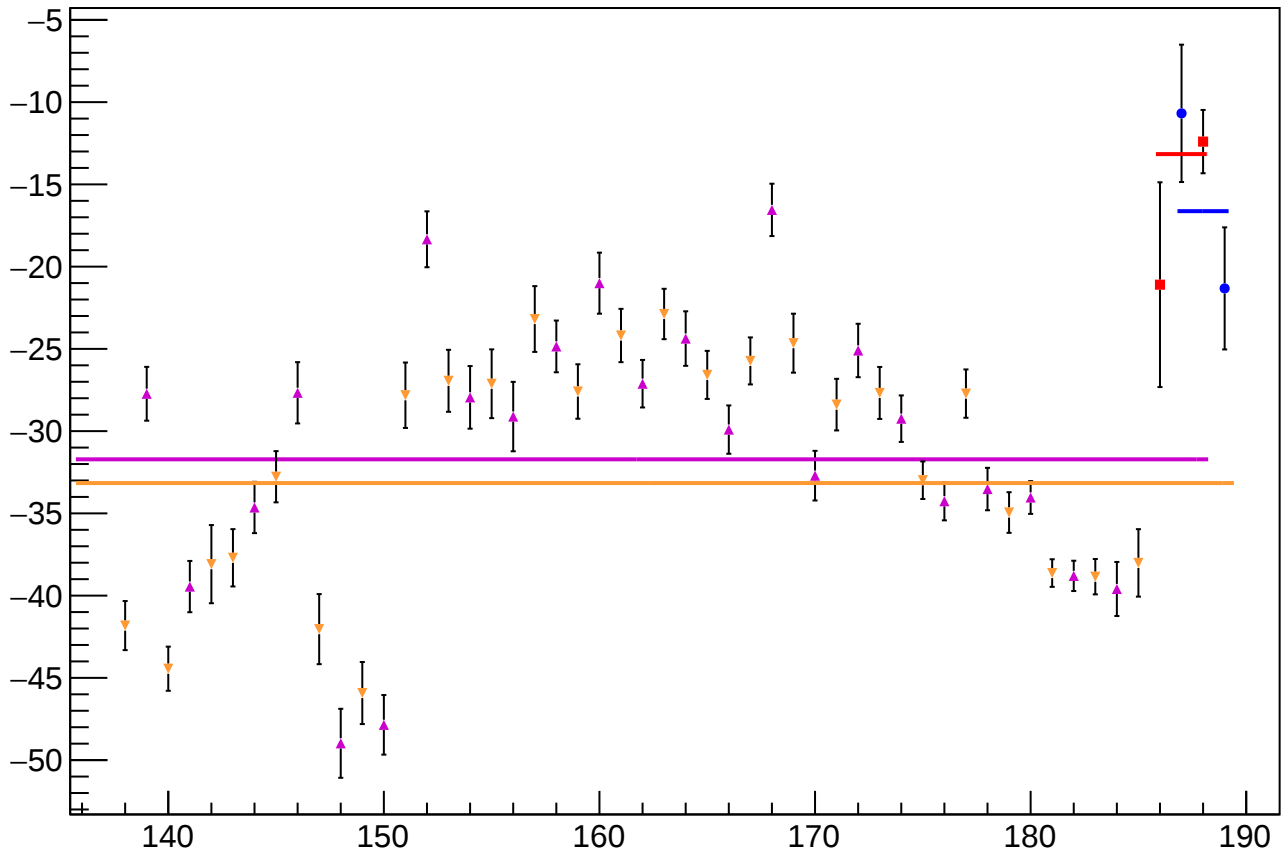
Left In: 0.544 ± 0.004 χ^2/NDF : 655.9/22

+ sign 0.543 ± 0.004 χ^2/NDF : 1817.0/43

All: 0.538 ± 0.003 χ^2/NDF : 5043.0/87

- sign 0.534 ± 0.004 χ^2/NDF : 3222.7/43

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -16.628 ± 2.774 χ^2/NDF : 3.6/1

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -13.158 ± 1.838 χ^2/NDF : 1.8/1

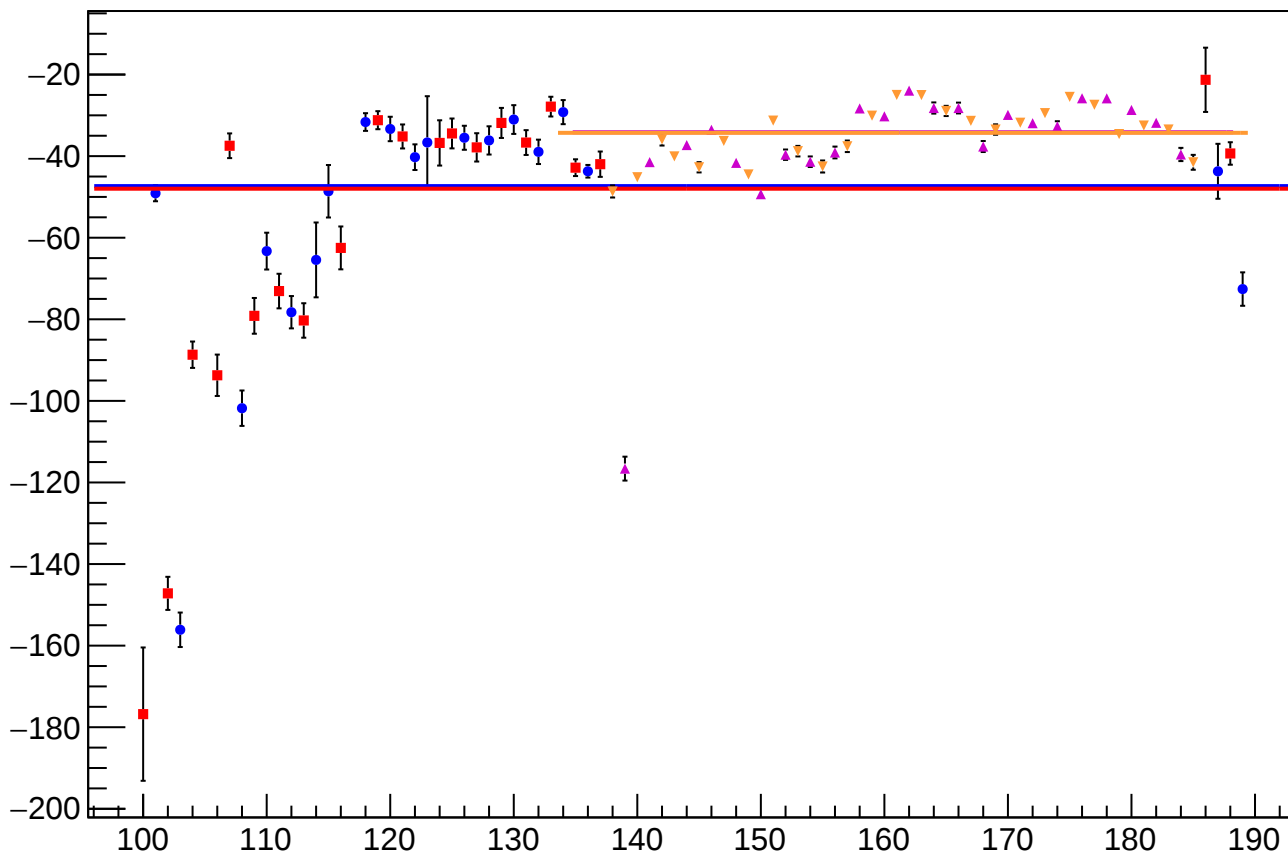
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -32.965 ± 0.298 χ^2/NDF : 538.8/26

All: -32.103 ± 0.213 χ^2/NDF : 1199.0/51

- sign -31.205 ± 0.305 χ^2/NDF : 643.2/24

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -47.347 ± 0.715 χ^2/NDF : 1115.3/18

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -47.987 ± 0.733 χ^2/NDF : 1300.4/20

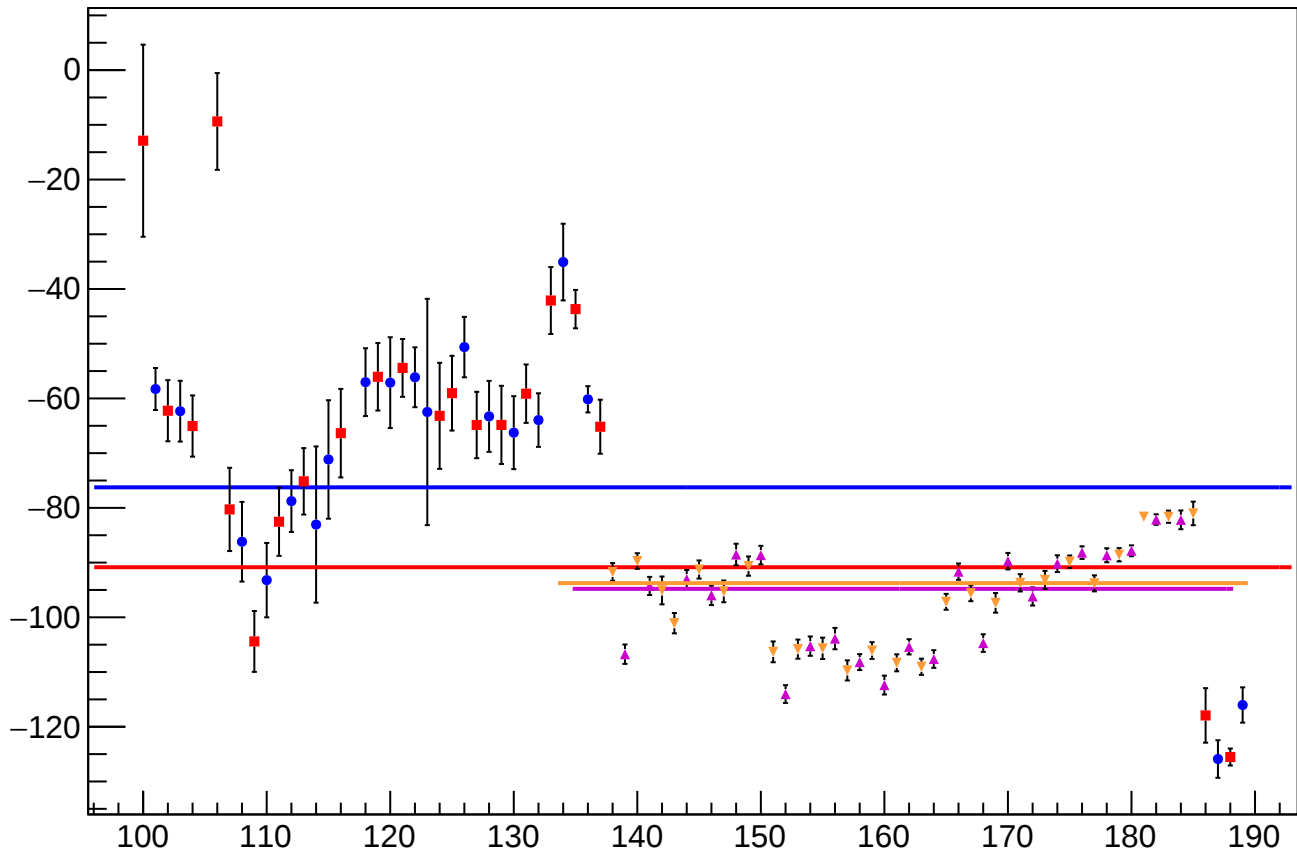
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -35.624 ± 0.229 χ^2/NDF : 2110.0/43

All: -35.609 ± 0.165 χ^2/NDF : 5181.9/87

- sign -35.594 ± 0.237 χ^2/NDF : 3071.9/43

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -76.246 ± 1.149 χ^2/NDF : 540.8/18

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -90.847 ± 1.011 χ^2/NDF : 1154.8/20

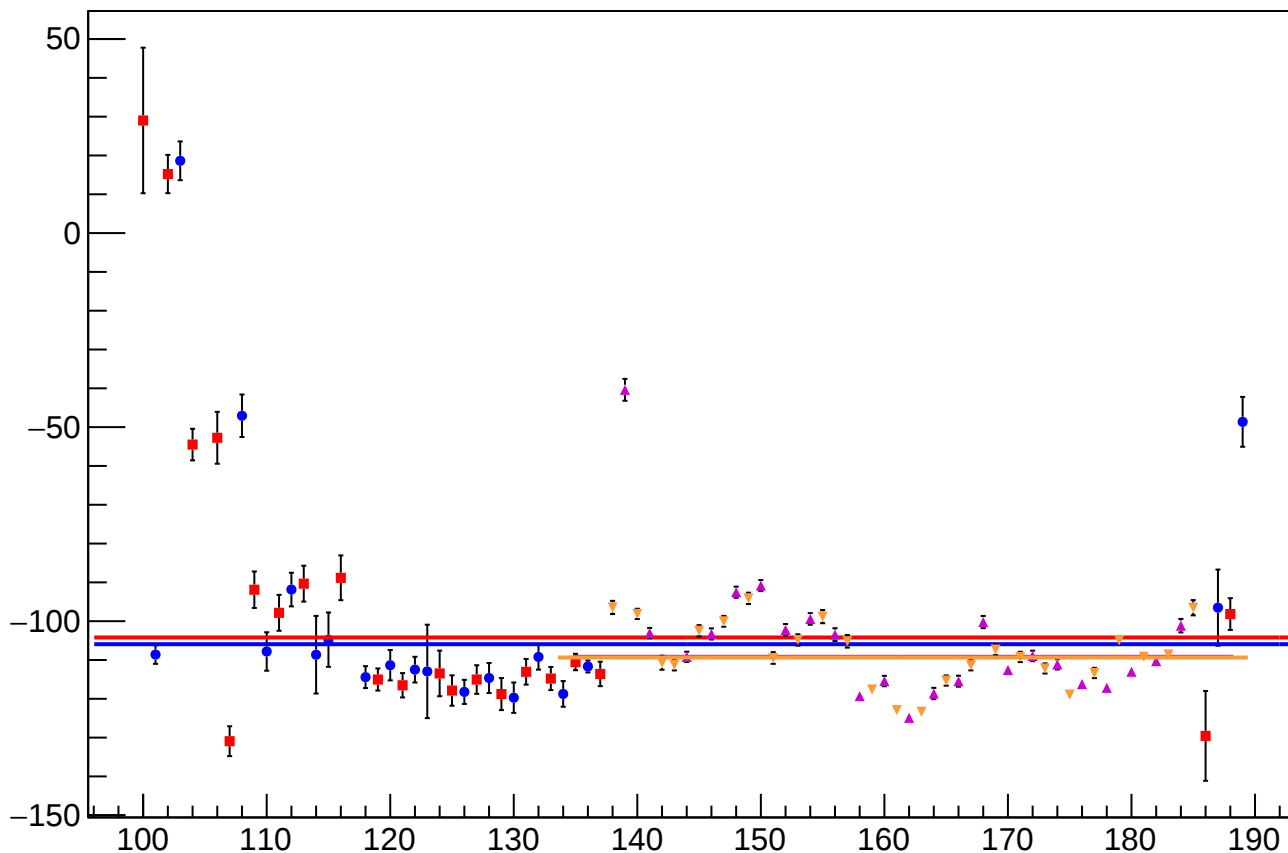
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.624 ± 0.292 χ^2/NDF : 1641.1/43

All: -93.532 ± 0.207 χ^2/NDF : 3804.0/87

- sign -94.460 ± 0.295 χ^2/NDF : 2143.4/43

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -105.932 ± 0.809 χ^2/NDF : 908.6/18

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -104.197 ± 0.842 χ^2/NDF : 1027.5/20

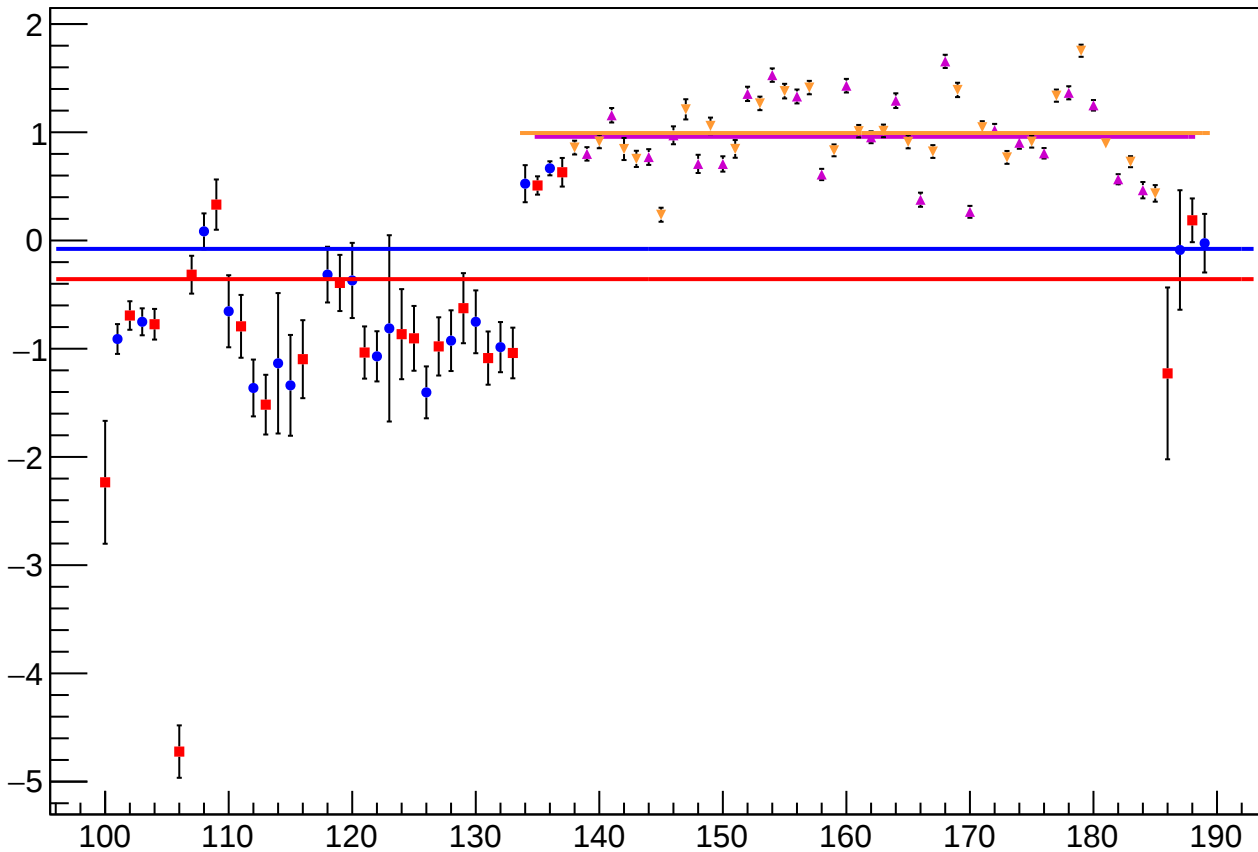
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -109.006 ± 0.257 χ^2/NDF : 1751.5/43

All: -108.852 ± 0.185 χ^2/NDF : 4312.5/87

- sign -108.688 ± 0.266 χ^2/NDF : 2560.2/43

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.078 ± 0.042 χ^2/NDF : 328.6/18

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.357 ± 0.043 χ^2/NDF : 588.9/20

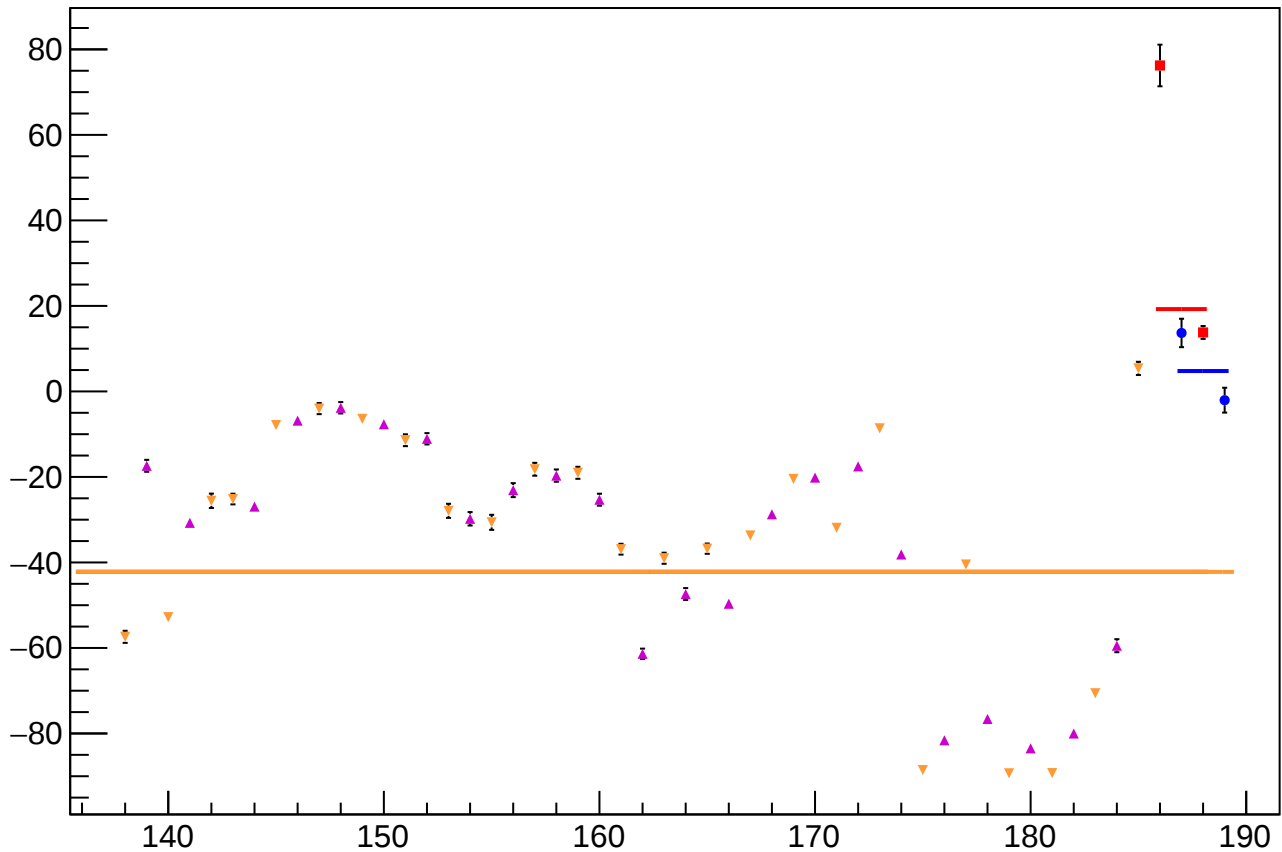
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.906 ± 0.012 χ^2/NDF : 1573.6/43

All: 0.880 ± 0.008 χ^2/NDF : 3928.2/87

- sign 0.853 ± 0.012 χ^2/NDF : 2345.0/43

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: 4.771 ± 2.188 $\chi^2/\text{NDF}: 12.7/1$

Left Out: -42.213 ± 0.222 $\chi^2/\text{NDF}: 18309.1/24$

Right Out: 19.259 ± 1.440 $\chi^2/\text{NDF}: 150.2/1$

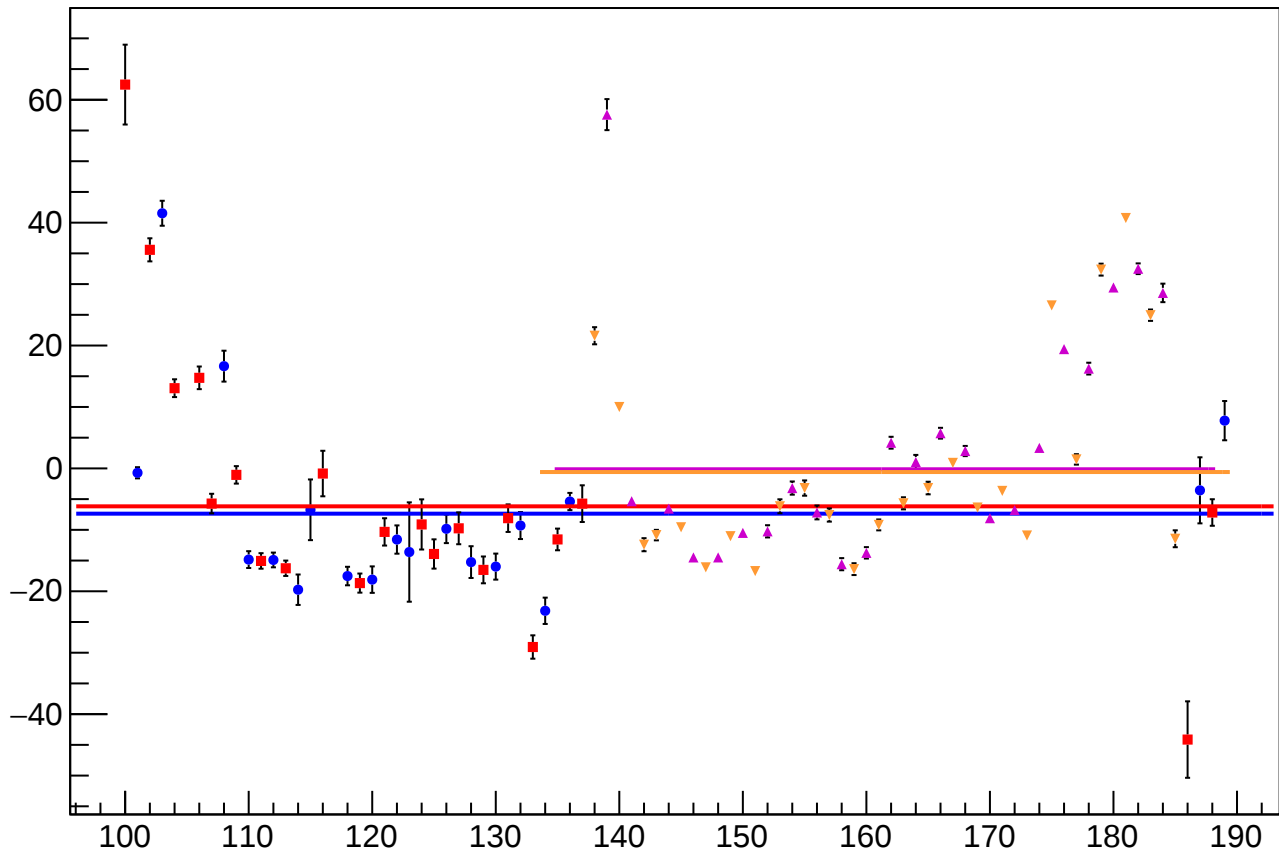
Left In: -42.176 ± 0.227 $\chi^2/\text{NDF}: 14575.9/22$

+ sign -41.734 ± 0.221 $\chi^2/\text{NDF}: 18778.1/26$

All: -41.218 ± 0.157 $\chi^2/\text{NDF}: 35290.8/51$

- sign -40.686 ± 0.224 $\chi^2/\text{NDF}: 16501.6/24$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.368 ± 0.426 χ^2/NDF : 999.3/18

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: -6.174 ± 0.420 χ^2/NDF : 1336.2/20

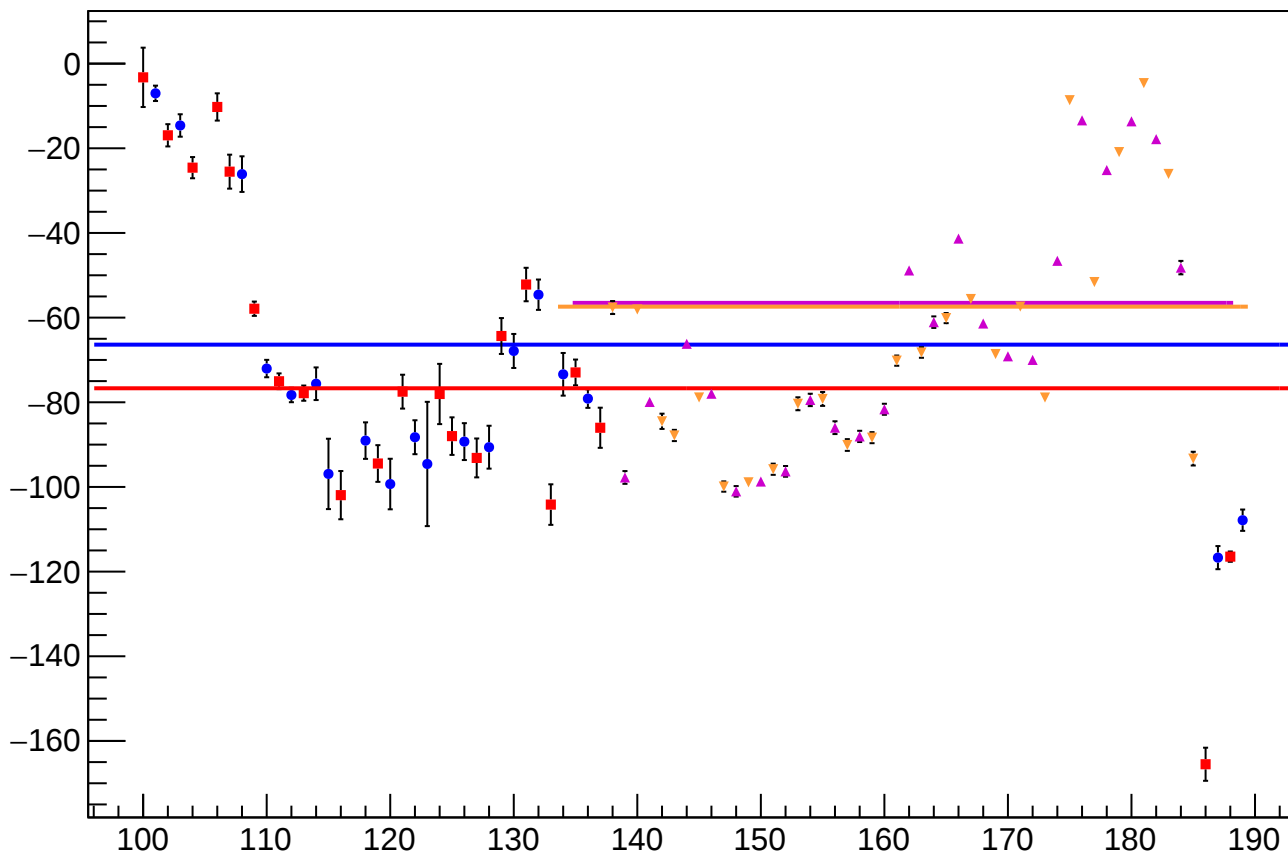
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -1.563 ± 0.161 χ^2/NDF : 9967.6/43

All: -1.322 ± 0.115 χ^2/NDF : 18345.3/87

- sign -1.070 ± 0.165 χ^2/NDF : 8373.1/43

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.385 ± 0.693 χ^2/NDF : 2416.1/18

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -76.693 ± 0.603 χ^2/NDF : 3495.3/20

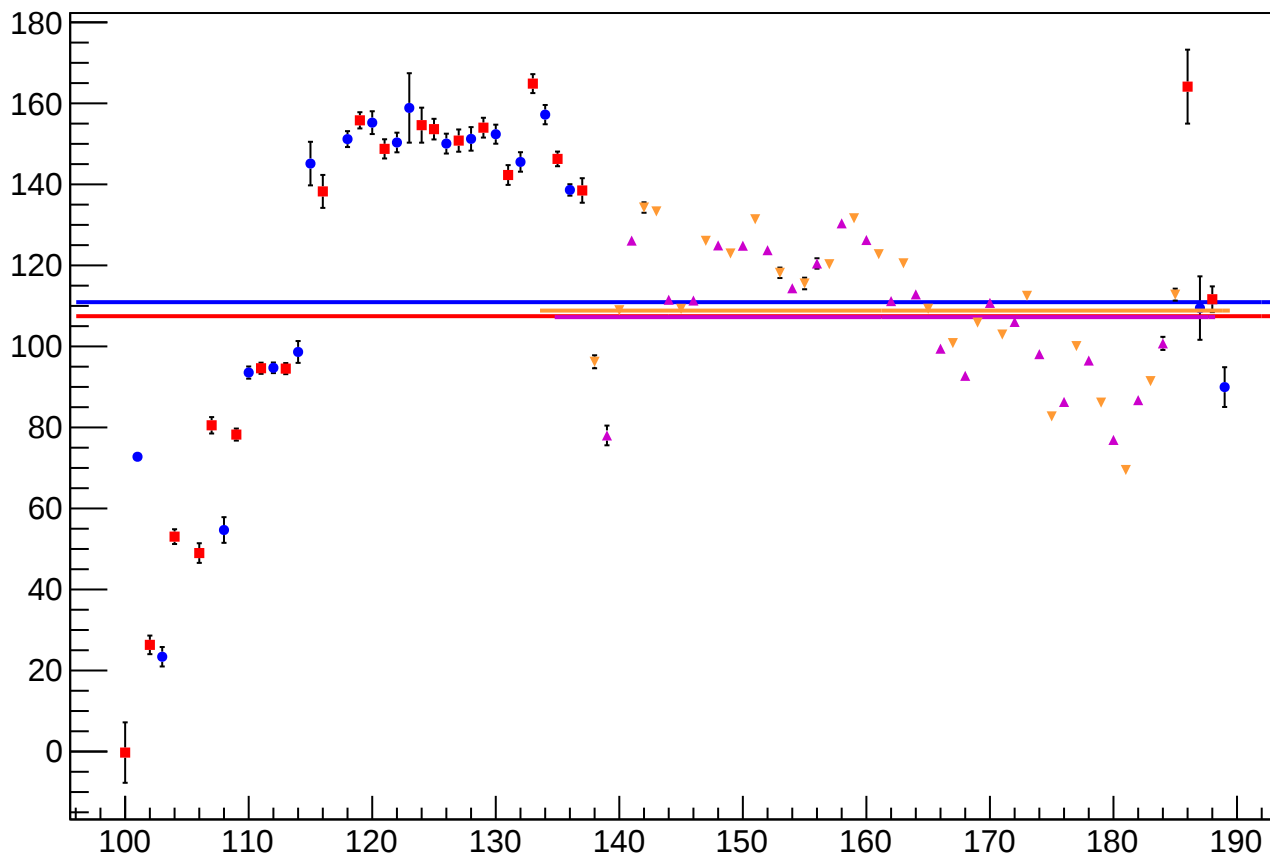
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.257 ± 0.212 χ^2/NDF : 21172.1/43

All: -58.641 ± 0.150 χ^2/NDF : 42007.0/87

- sign -59.025 ± 0.212 χ^2/NDF : 20828.4/43

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 110.925 $\pm$ 0.487 χ^2 /NDF: 5882.0/18

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 107.463 $\pm$ 0.482 χ^2 /NDF: 7083.5/20

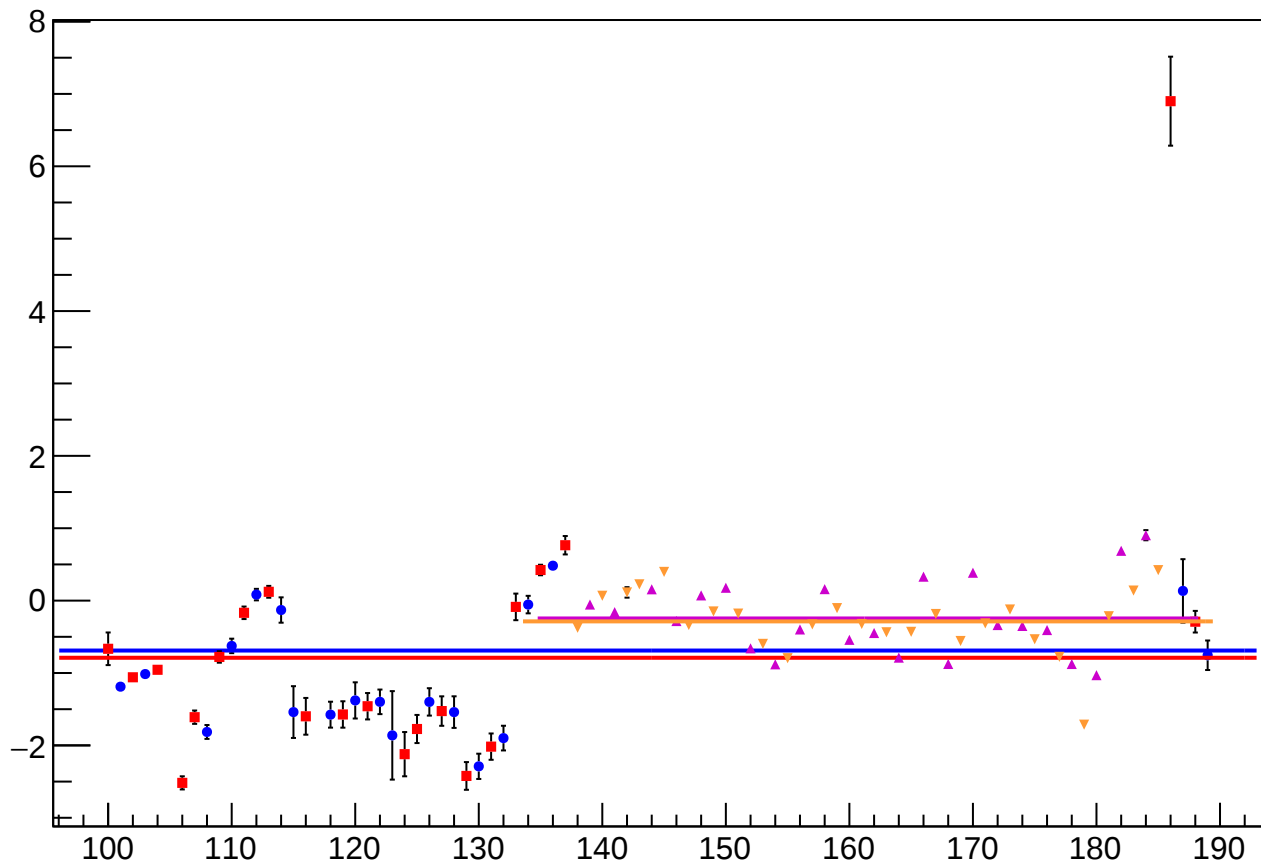
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 109.140 $\pm$ 0.183 χ^2 /NDF: 13297.9/43

All: 108.219 $\pm$ 0.131 χ^2 /NDF: 25998.6/87

- sign 107.260 $\pm$ 0.187 χ^2 /NDF: 12649.0/43

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.690 ± 0.026 χ^2/NDF : 992.5/18

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.789 ± 0.024 χ^2/NDF : 1471.2/20

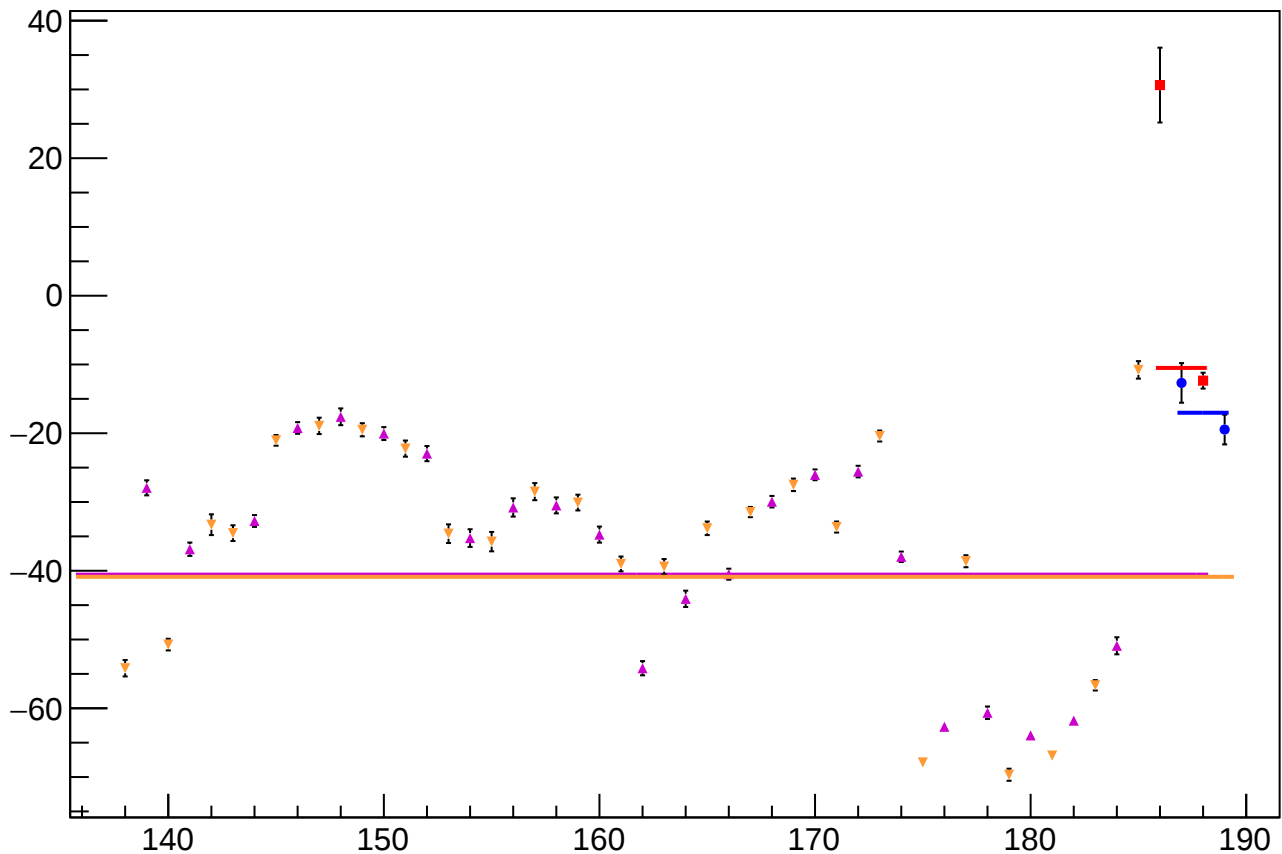
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.332 ± 0.009 χ^2/NDF : 3265.3/43

All: -0.324 ± 0.006 χ^2/NDF : 7974.8/87

- sign -0.317 ± 0.009 χ^2/NDF : 4708.0/43

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -17.020 ± 1.730 $\chi^2/\text{NDF}: 3.5/1$

Left Out: -40.880 ± 0.186 $\chi^2/\text{NDF}: 9123.2/24$

Right Out: -10.498 ± 1.130 $\chi^2/\text{NDF}: 59.7/1$

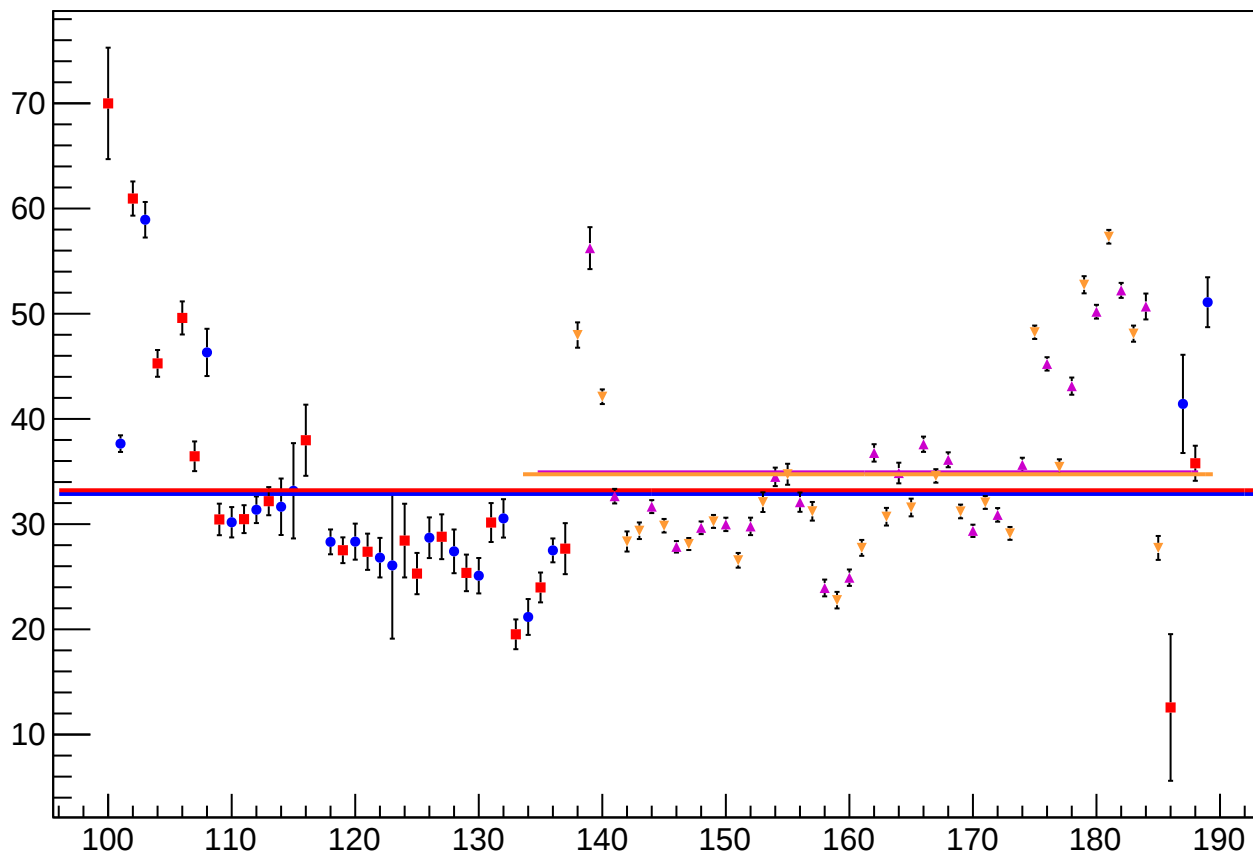
Left In: -40.567 ± 0.190 $\chi^2/\text{NDF}: 6954.7/22$

+ sign -40.607 ± 0.185 $\chi^2/\text{NDF}: 9314.8/26$

All: -40.179 ± 0.132 $\chi^2/\text{NDF}: 17028.9/51$

- sign -39.741 ± 0.187 $\chi^2/\text{NDF}: 7703.3/24$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.870 ± 0.370 χ^2/NDF : 514.8/18

Left Out: 34.741 ± 0.147 χ^2/NDF : 3693.2/24

Right Out: 33.218 ± 0.369 χ^2/NDF : 784.5/20

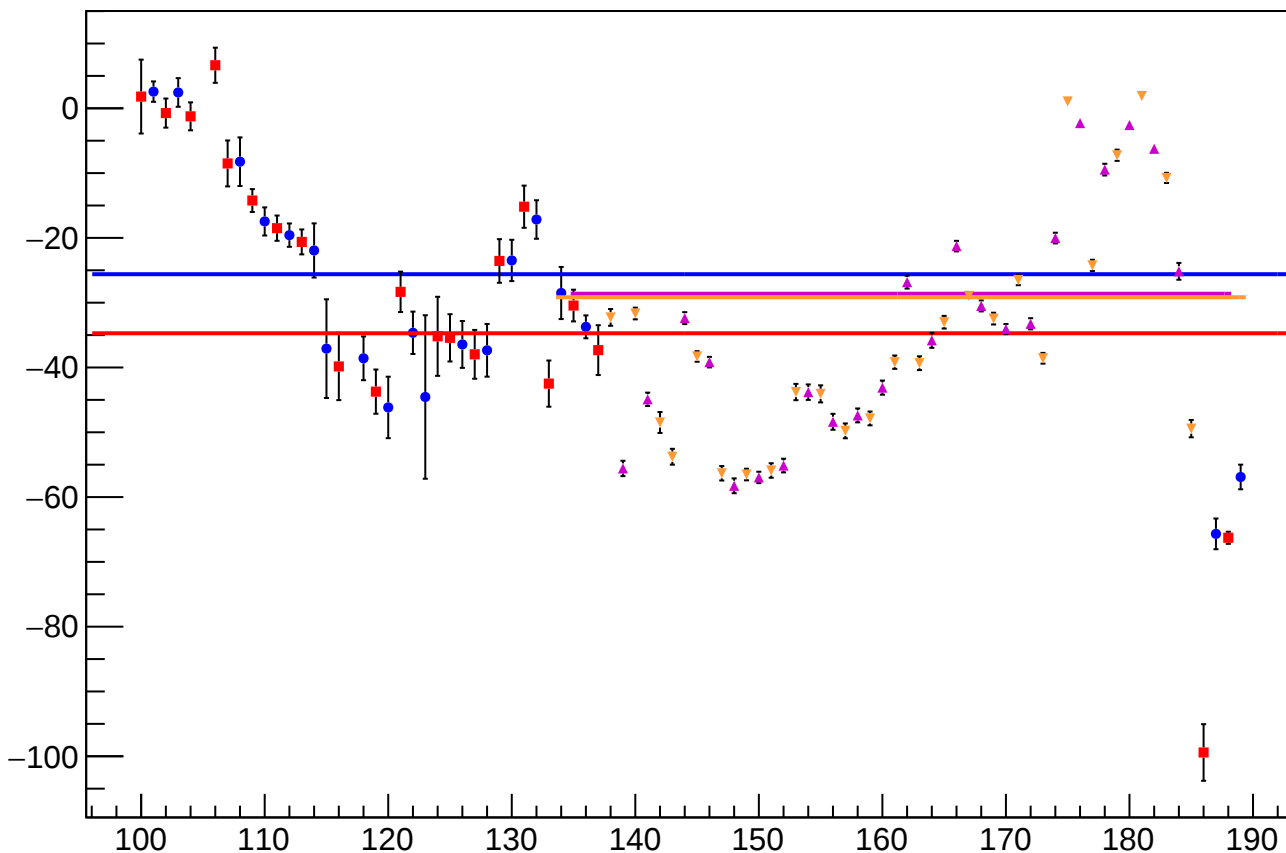
Left In: 34.922 ± 0.152 χ^2/NDF : 2672.9/22

+ sign 34.485 ± 0.137 χ^2/NDF : 4230.0/43

All: 34.578 ± 0.098 χ^2/NDF : 7706.5/87

- sign 34.677 ± 0.140 χ^2/NDF : 3475.6/43

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -25.603 ± 0.610 χ^2/NDF : 1178.9/18

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -34.719 ± 0.527 χ^2/NDF : 2484.2/20

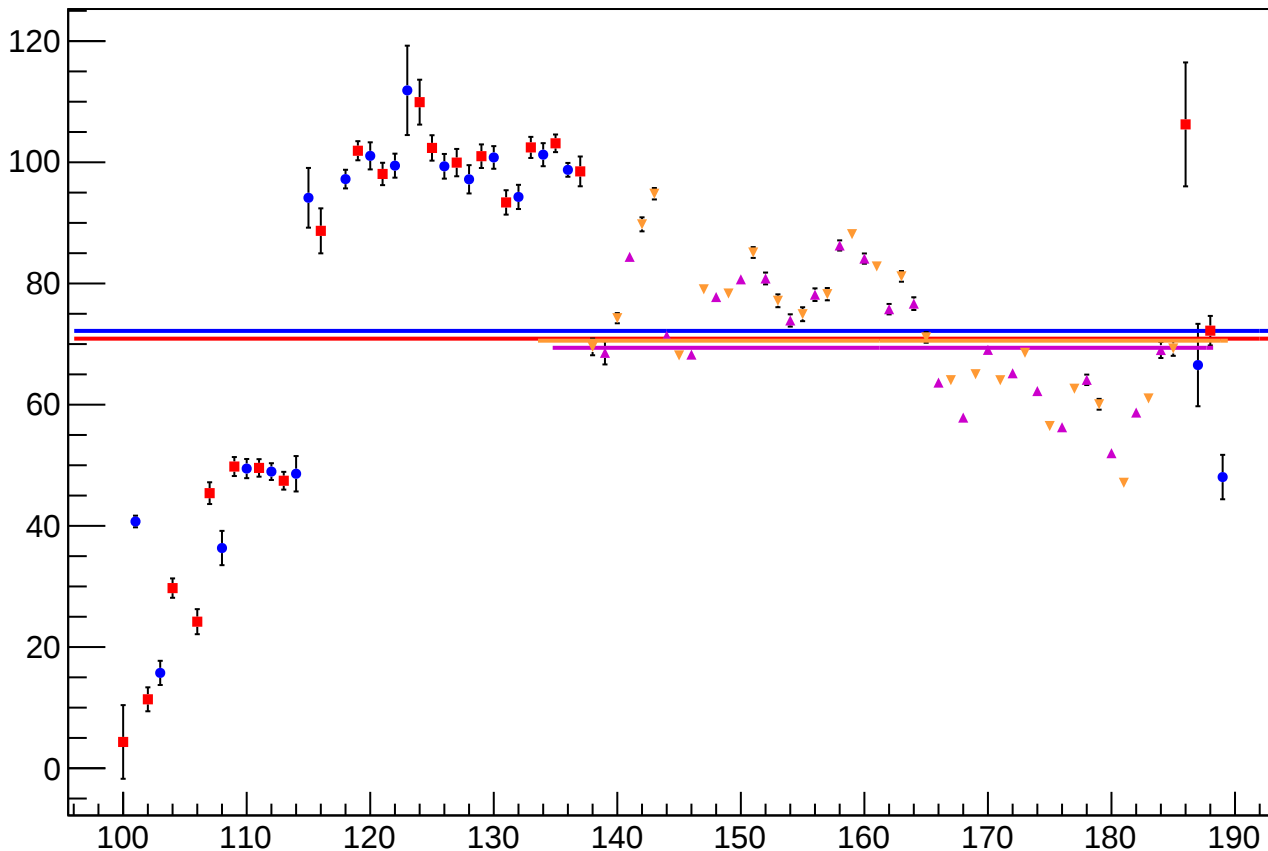
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -28.857 ± 0.179 χ^2/NDF : 11336.1/43

All: -29.088 ± 0.126 χ^2/NDF : 22983.4/87

- sign -29.318 ± 0.179 χ^2/NDF : 11644.0/43

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.176 $\pm$ 0.425 χ^2 /NDF: 4716.8/18

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF:4589.1/24

Right Out: 70.896 $\pm$ 0.427 χ^2 /NDF: 5506.9/20

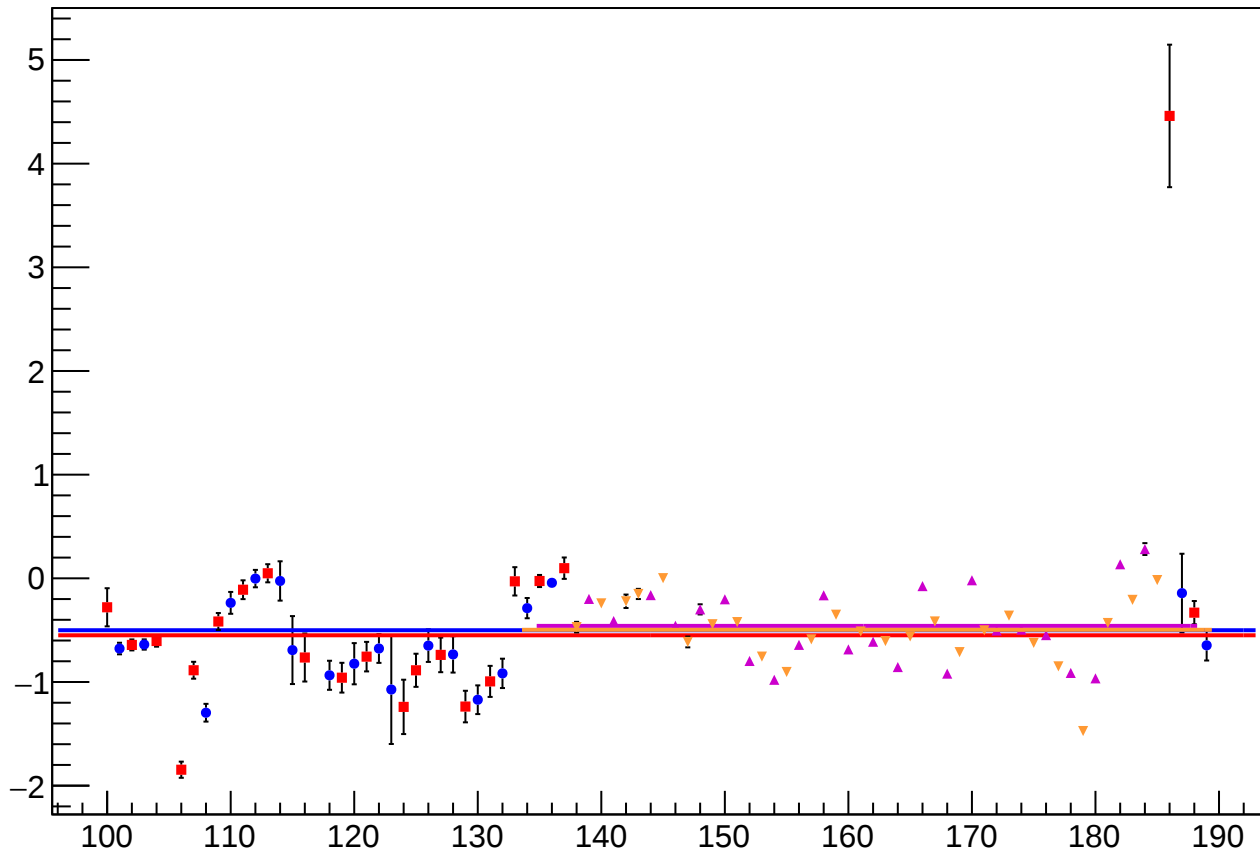
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF:3321.8/22

+ sign 70.776 $\pm$ 0.155 χ^2 /NDF: 9318.4/43

All: 70.198 $\pm$ 0.111 χ^2 /NDF: 18186.5/87

- sign 69.594 $\pm$ 0.158 χ^2 /NDF: 8839.5/43

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.501 ± 0.022 χ^2/NDF : 304.0/18

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.549 ± 0.021 χ^2/NDF : 617.6/20

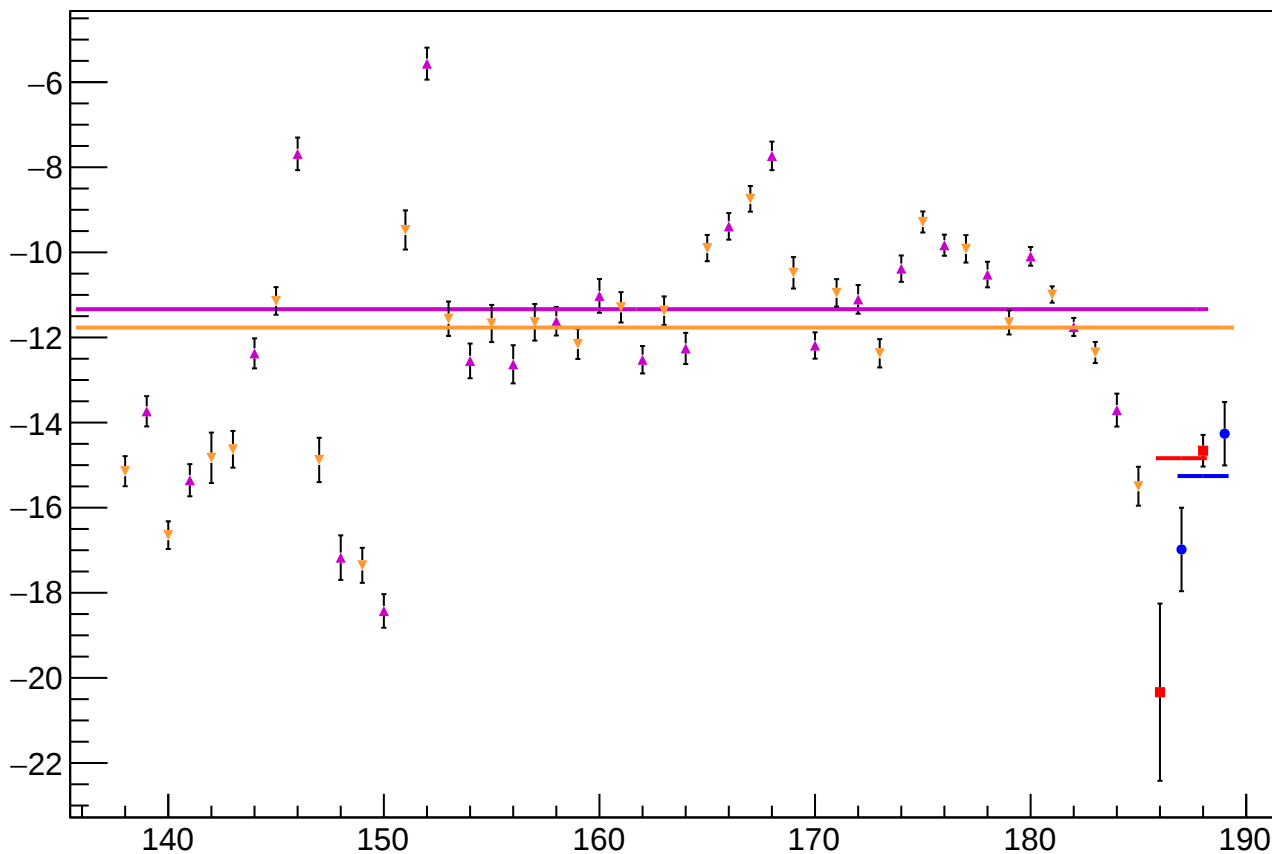
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.497 ± 0.007 χ^2/NDF : 1753.3/43

All: -0.483 ± 0.005 χ^2/NDF : 4352.9/87

- sign -0.470 ± 0.007 χ^2/NDF : 2592.3/43

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.257 ± 0.593 $\chi^2/\text{NDF}: 4.9/1$

Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$

Right Out: -14.837 ± 0.366 $\chi^2/\text{NDF}: 7.2/1$

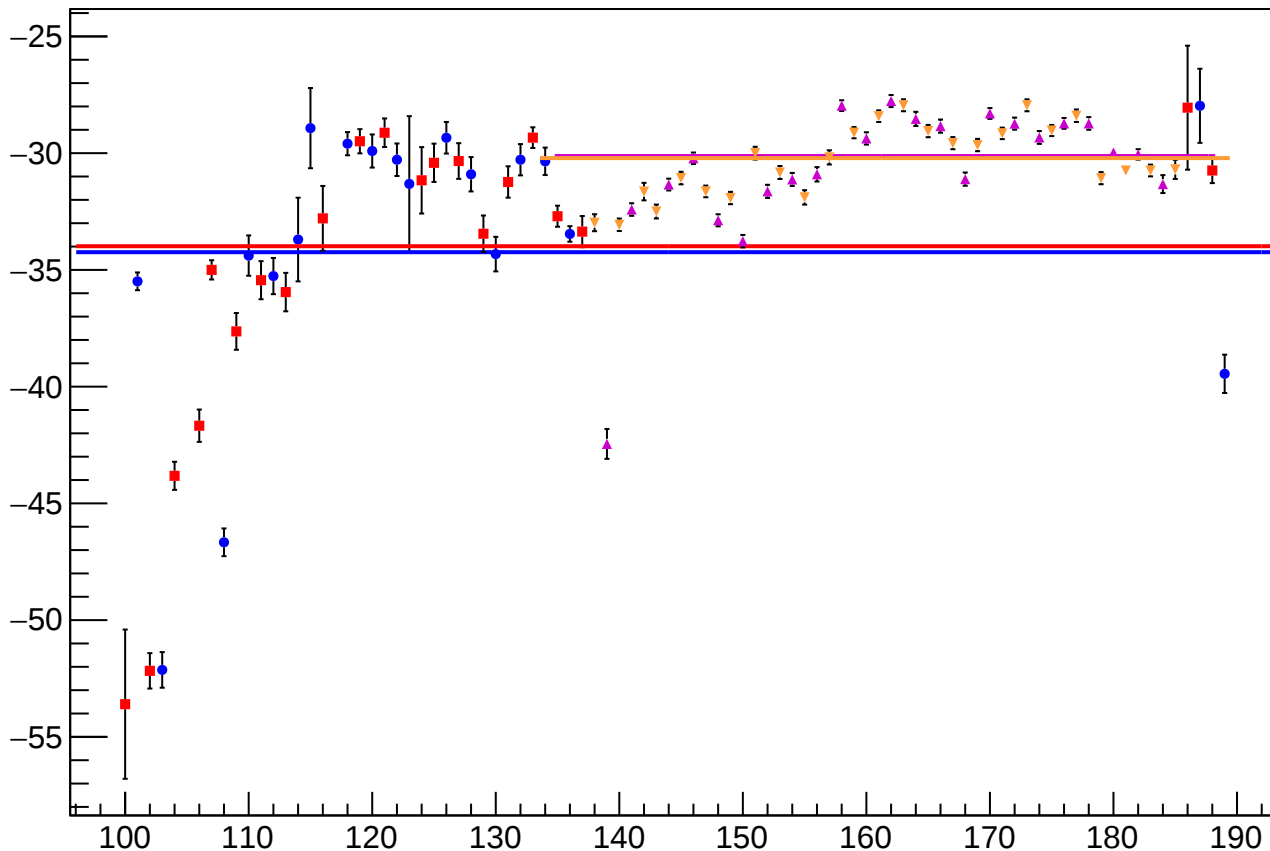
Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -11.810 ± 0.066 $\chi^2/\text{NDF}: 1059.9/26$

All: -11.633 ± 0.047 $\chi^2/\text{NDF}: 2439.1/51$

- sign -11.452 ± 0.067 $\chi^2/\text{NDF}: 1364.8/24$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.241 ± 0.149 $\chi^2/\text{NDF}: 1380.9/18$

Left Out: -30.212 ± 0.054 $\chi^2/\text{NDF}: 734.0/24$

Right Out: -33.986 ± 0.145 $\chi^2/\text{NDF}: 1400.4/20$

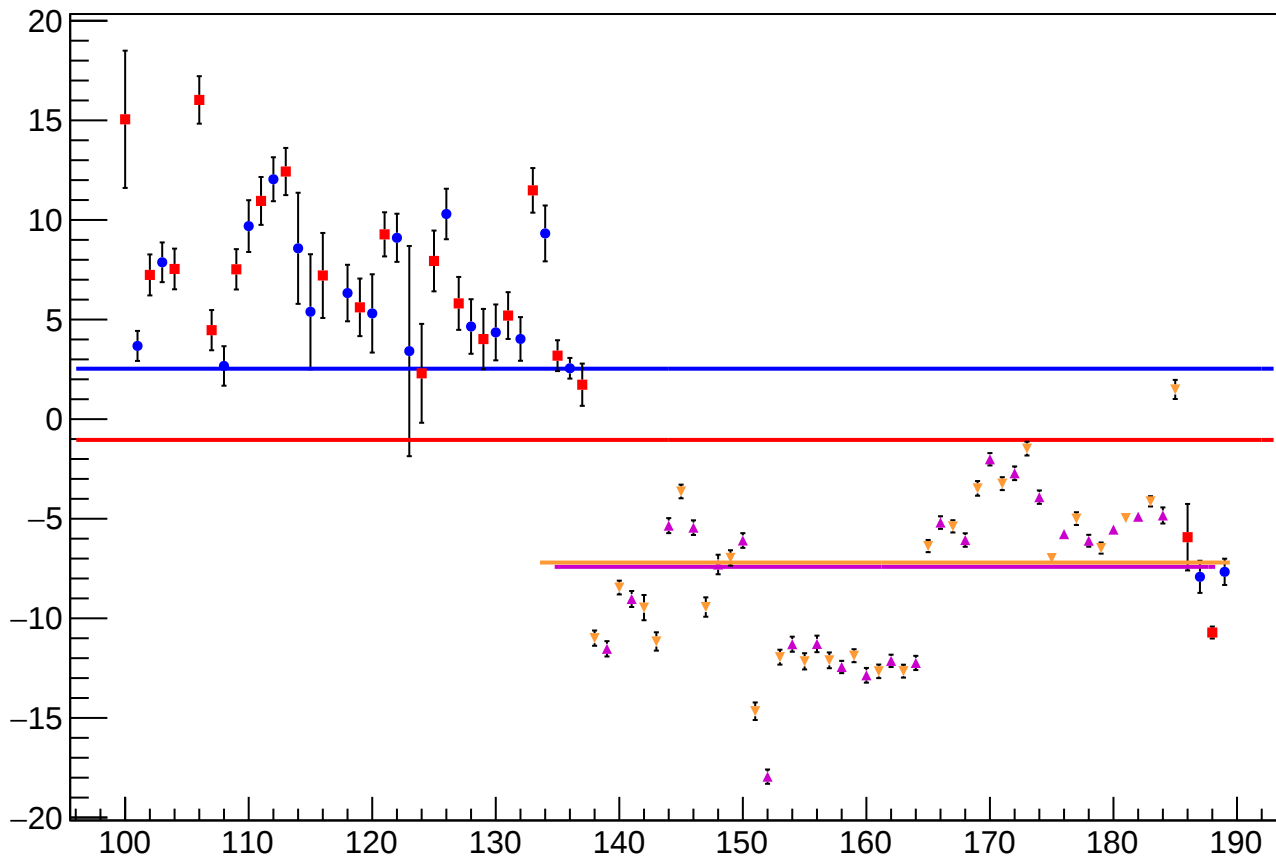
Left In: -30.124 ± 0.056 $\chi^2/\text{NDF}: 1226.2/22$

+ sign -30.679 ± 0.051 $\chi^2/\text{NDF}: 2763.4/43$

All: -30.648 ± 0.036 $\chi^2/\text{NDF}: 6007.9/87$

- sign -30.616 ± 0.052 $\chi^2/\text{NDF}: 3243.7/43$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 2.533 $\pm$ 0.239 χ^2 /NDF: 653.8/18

Left Out: -7.199 $\pm$ 0.067 χ^2 /NDF:3037.3/24

Right Out: -1.042 $\pm$ 0.201 χ^2 /NDF: 2126.0/20

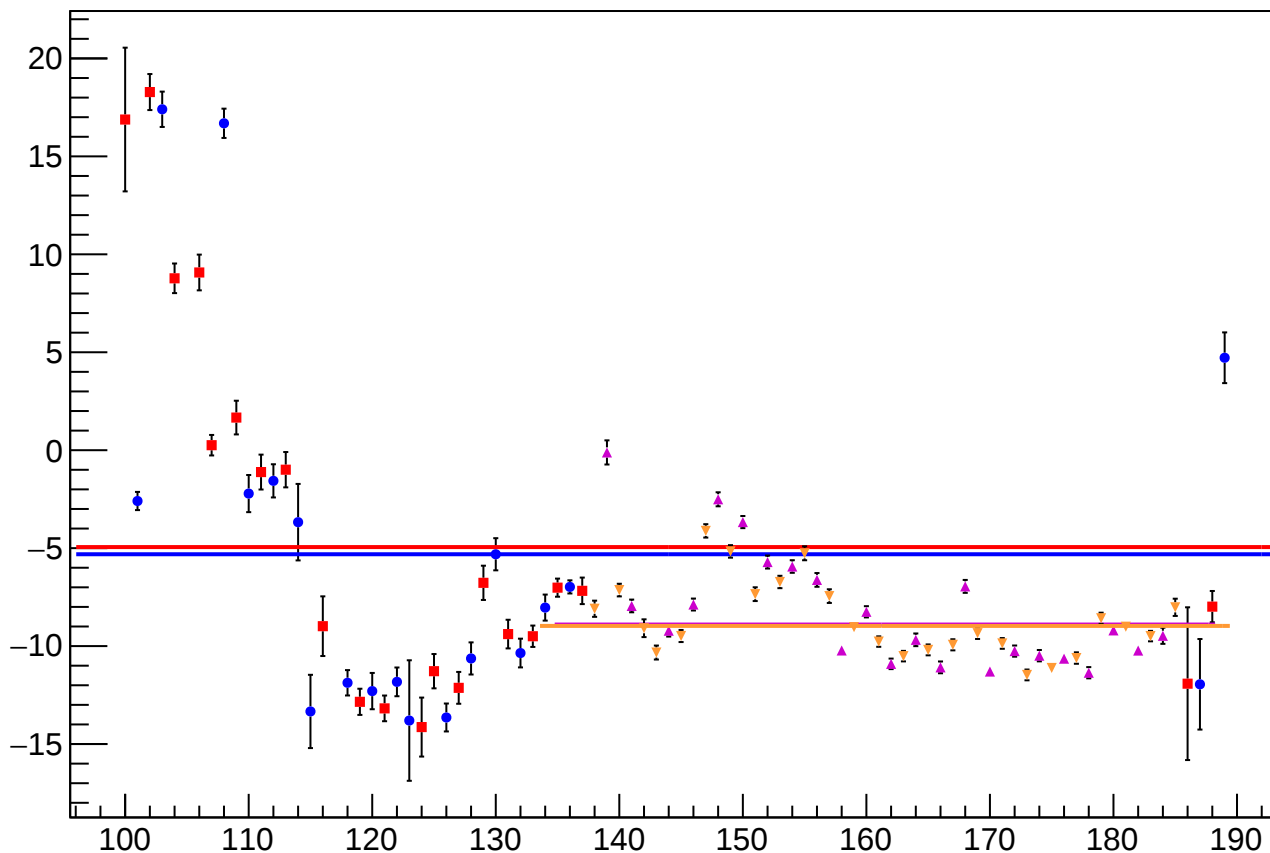
Left In: -7.415 $\pm$ 0.068 χ^2 /NDF:3123.3/22

+ sign -6.493 $\pm$ 0.064 χ^2 /NDF: 5226.5/43

All: -6.629 $\pm$ 0.046 χ^2 /NDF: 11384.9/87

- sign -6.764 $\pm$ 0.064 χ^2 /NDF: 6149.6/43

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.312 ± 0.169 χ^2/NDF : 2166.0/18

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -4.945 ± 0.169 χ^2/NDF : 2066.0/20

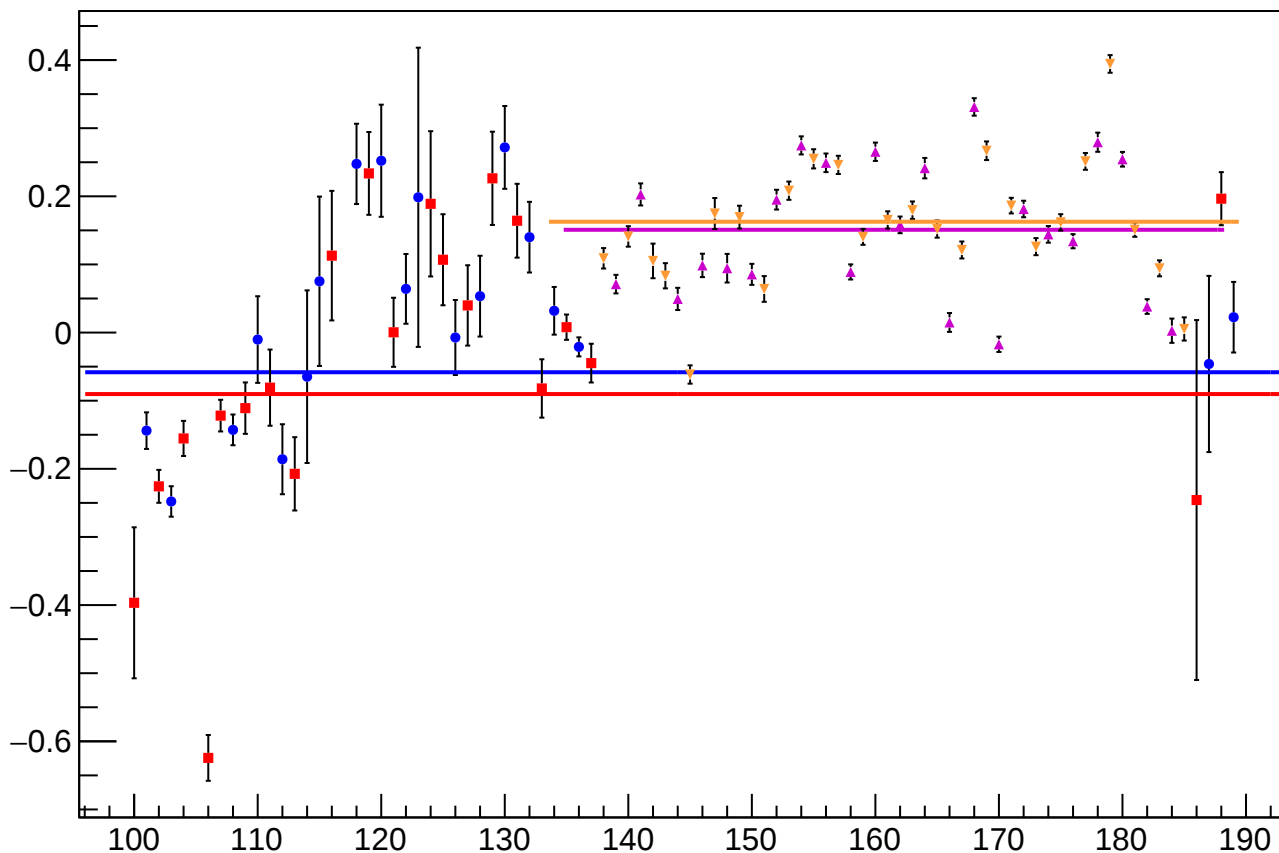
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.559 ± 0.057 χ^2/NDF : 3460.1/43

All: -8.499 ± 0.041 χ^2/NDF : 7545.2/87

- sign -8.436 ± 0.058 χ^2/NDF : 4082.8/43

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.058 ± 0.008 χ^2/NDF : 217.0/18

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.090 ± 0.008 χ^2/NDF : 490.1/20

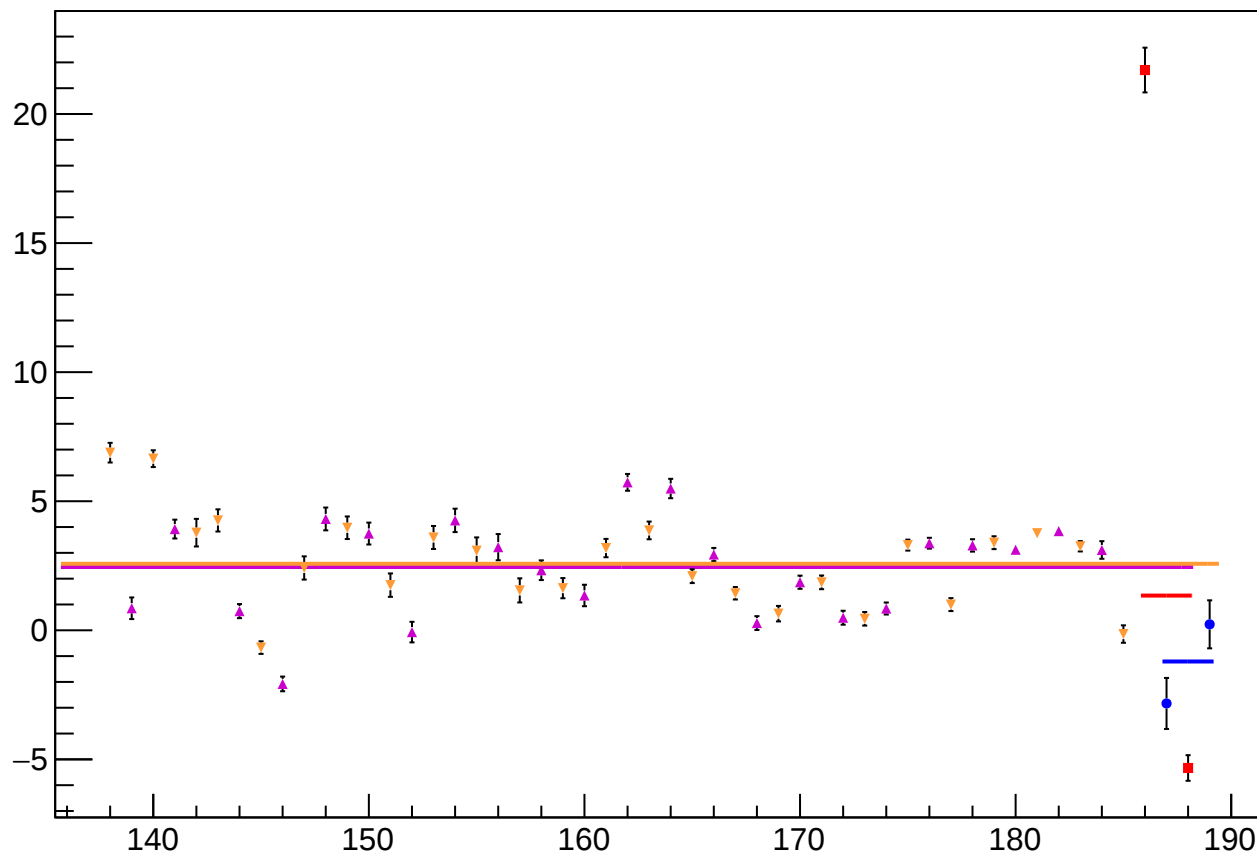
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.141 ± 0.003 χ^2/NDF : 1877.1/43

All: 0.134 ± 0.002 χ^2/NDF : 4437.7/87

- sign 0.127 ± 0.003 χ^2/NDF : 2545.0/43

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -1.208 ± 0.677 $\chi^2/\text{NDF}: 5.1/1$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 1.345 ± 0.431 $\chi^2/\text{NDF}: 733.1/1$

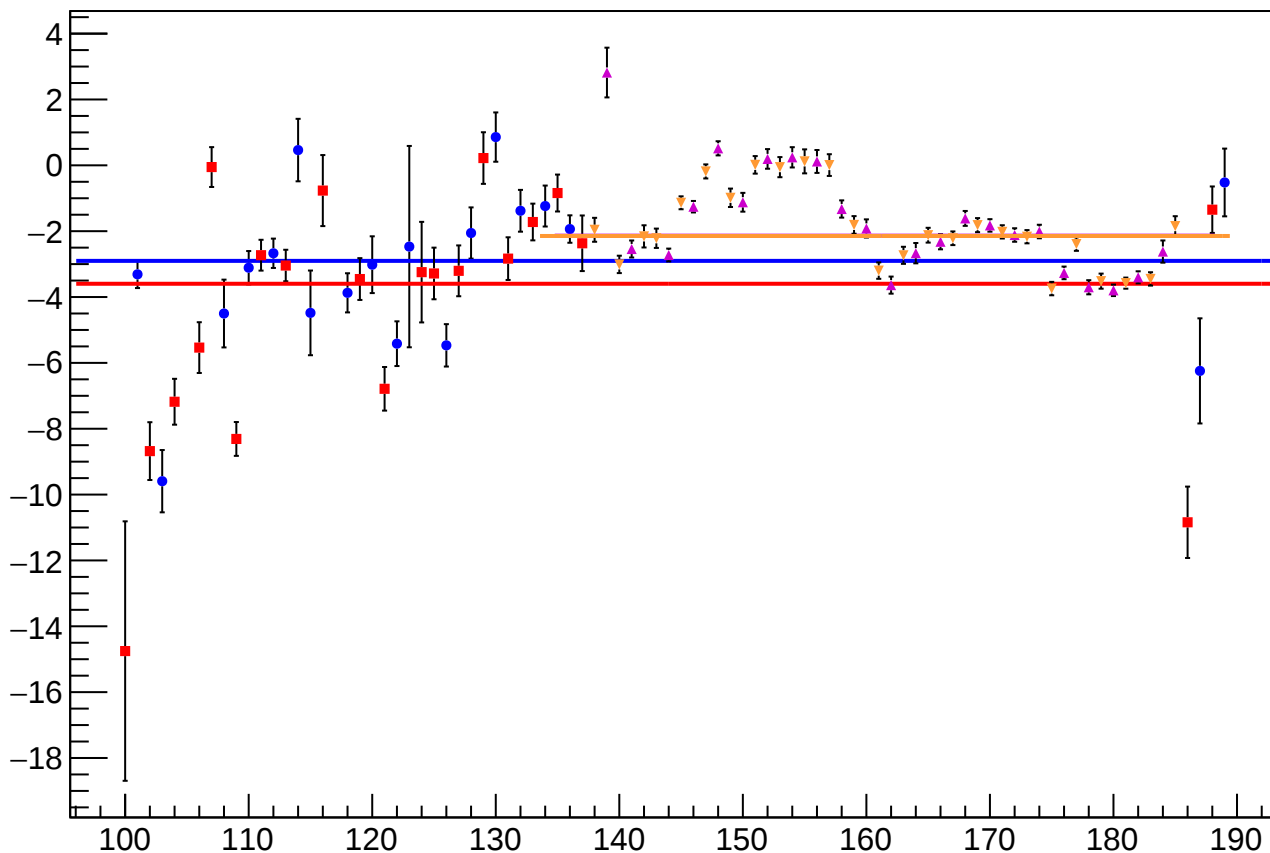
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.549 ± 0.058 $\chi^2/\text{NDF}: 903.6/26$

All: 2.491 ± 0.041 $\chi^2/\text{NDF}: 2516.4/51$

- sign 2.431 ± 0.059 $\chi^2/\text{NDF}: 1610.8/24$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.902 ± 0.153 χ^2/NDF : 154.7/18

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -3.597 ± 0.150 χ^2/NDF : 345.7/20

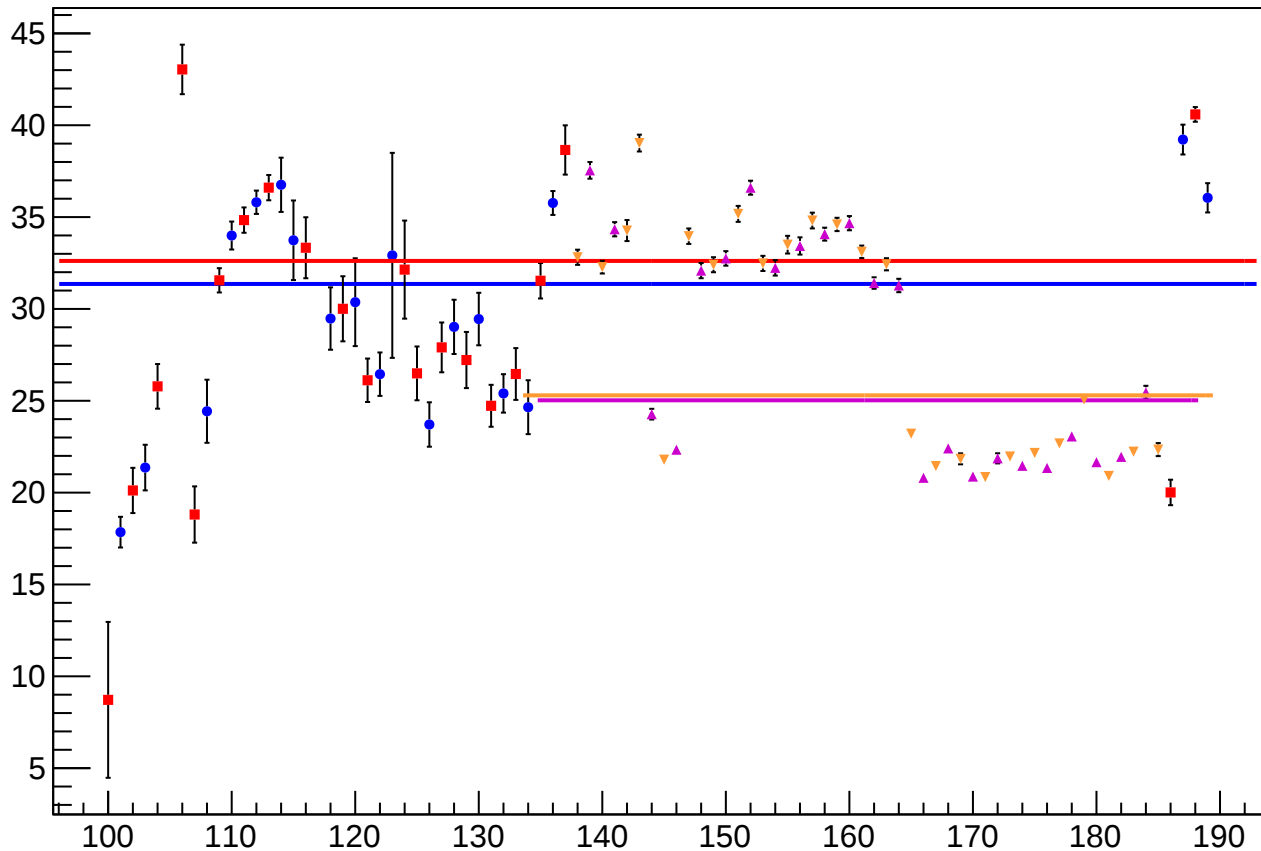
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.213 ± 0.045 χ^2/NDF : 750.4/43

All: -2.243 ± 0.032 χ^2/NDF : 1874.4/87

- sign -2.275 ± 0.046 χ^2/NDF : 1123.1/43

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 31.360 ± 0.242 $\chi^2/\text{NDF}: 709.0/18$

Left Out: 25.296 ± 0.059 $\chi^2/\text{NDF}: 8272.3/24$

Right Out: 32.613 ± 0.208 $\chi^2/\text{NDF}: 1244.4/20$

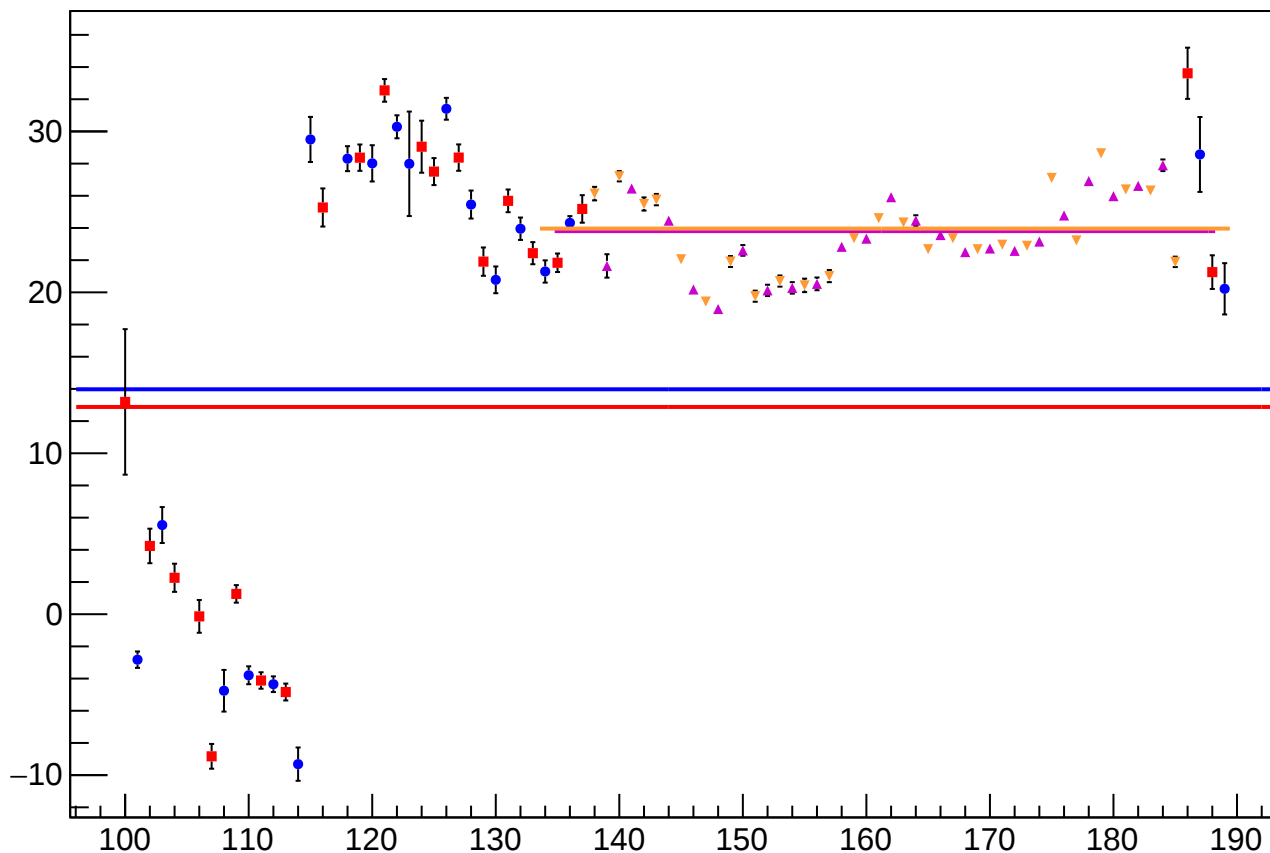
Left In: 25.025 ± 0.060 $\chi^2/\text{NDF}: 7610.5/22$

+ sign 25.634 ± 0.057 $\chi^2/\text{NDF}: 9572.9/43$

All: 25.617 ± 0.040 $\chi^2/\text{NDF}: 19655.8/87$

- sign 25.600 ± 0.057 $\chi^2/\text{NDF}: 10082.7/43$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.976 $\pm$ 0.172 χ^2 /NDF: 7330.2/18

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.879 $\pm$ 0.171 χ^2 /NDF: 7194.3/20

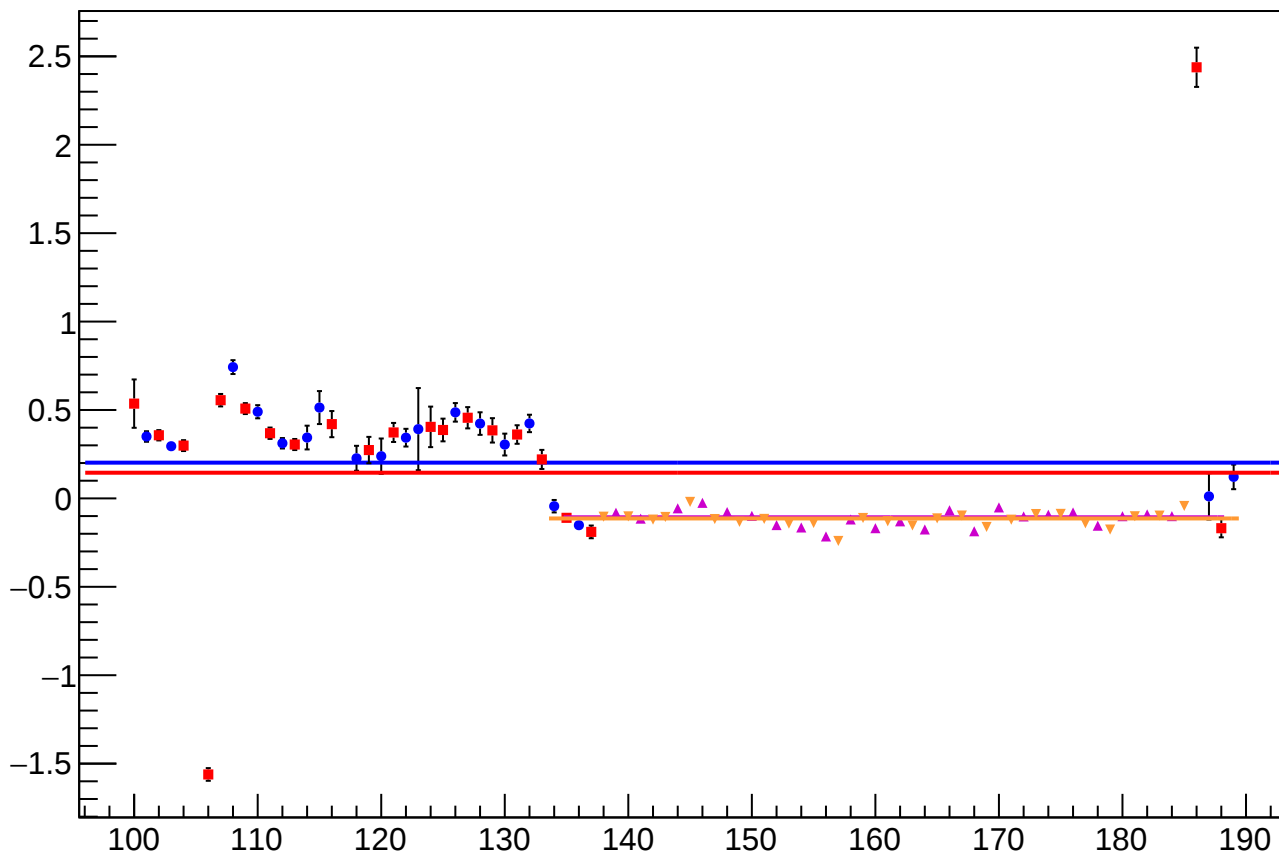
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.087 $\pm$ 0.051 χ^2 /NDF: 12344.3/43

All: 22.950 $\pm$ 0.036 χ^2 /NDF: 25040.9/87

- sign 22.809 $\pm$ 0.052 χ^2 /NDF: 12681.8/43

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.202 $\pm$ 0.009 χ^2 /NDF: 850.0/18

Left Out: -0.113 $\pm$ 0.002 χ^2 /NDF: 291.0/24

Right Out: 0.145 $\pm$ 0.009 χ^2 /NDF: 3478.2/20

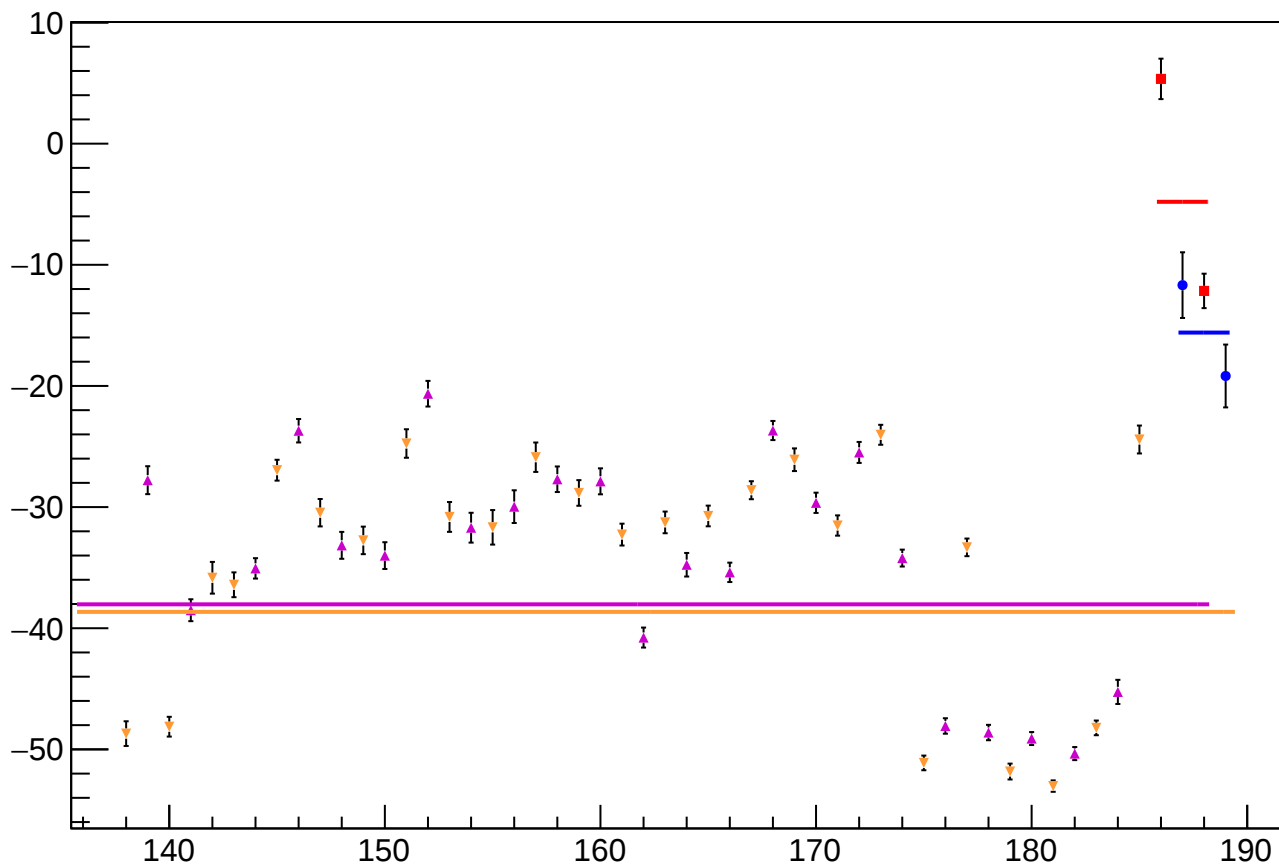
Left In: -0.107 $\pm$ 0.002 χ^2 /NDF: 321.8/22

+ sign -0.093 $\pm$ 0.002 χ^2 /NDF: 2224.6/43

All: -0.091 $\pm$ 0.002 χ^2 /NDF: 6748.2/87

- sign -0.089 $\pm$ 0.002 χ^2 /NDF: 4522.2/43

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -15.594 ± 1.874 $\chi^2/\text{NDF}: 4.0/1$

Left Out: -38.650 ± 0.169 $\chi^2/\text{NDF}: 4077.2/24$

Right Out: -4.800 ± 1.082 $\chi^2/\text{NDF}: 63.7/1$

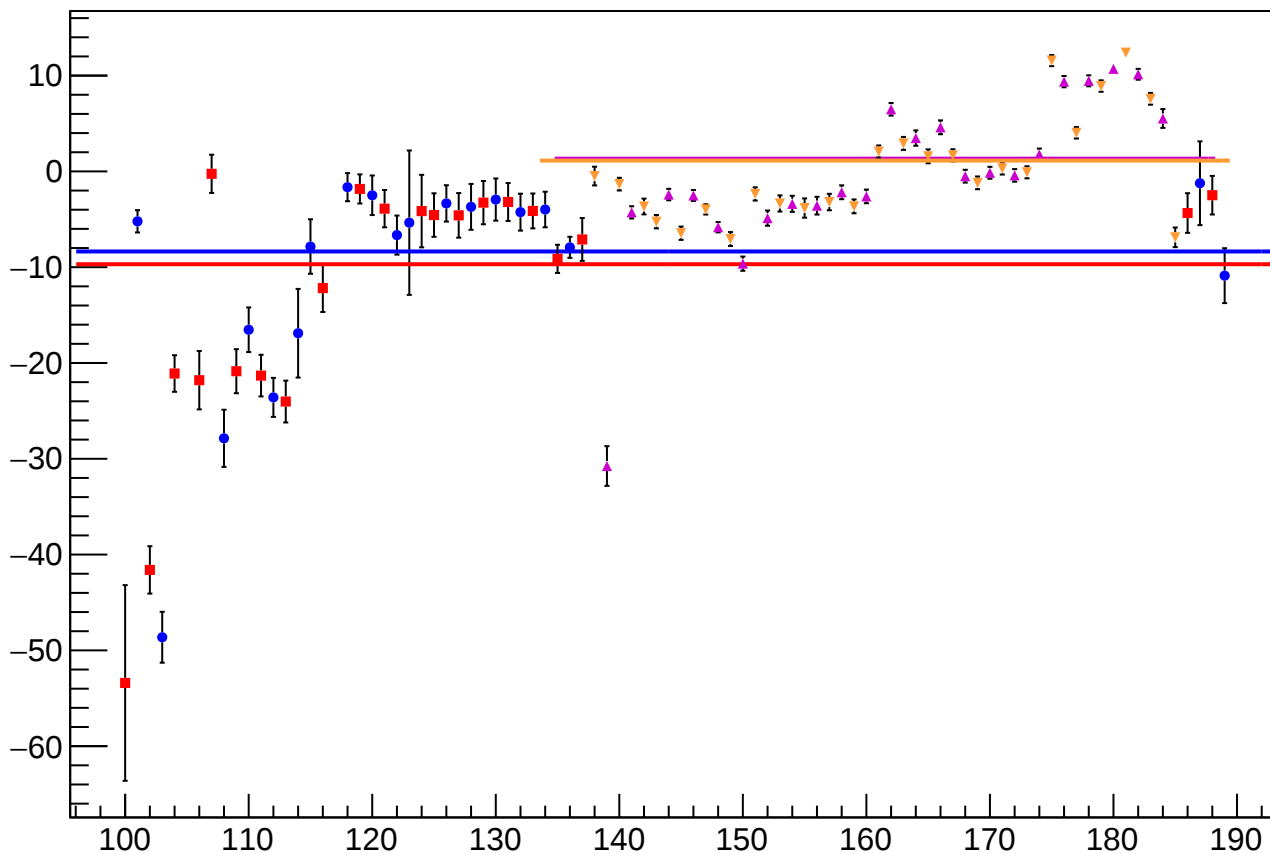
Left In: -38.027 ± 0.173 $\chi^2/\text{NDF}: 3091.9/22$

+ sign -38.463 ± 0.168 $\chi^2/\text{NDF}: 4231.4/26$

All: -37.840 ± 0.120 $\chi^2/\text{NDF}: 8334.2/51$

- sign -37.197 ± 0.171 $\chi^2/\text{NDF}: 4075.0/24$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.359+/-0.458 χ^2/NDF : 411.9/18

Left Out: 1.130+/-0.136 χ^2/NDF :1799.3/24

Right Out: -9.692+/-0.465 χ^2/NDF : 451.5/20

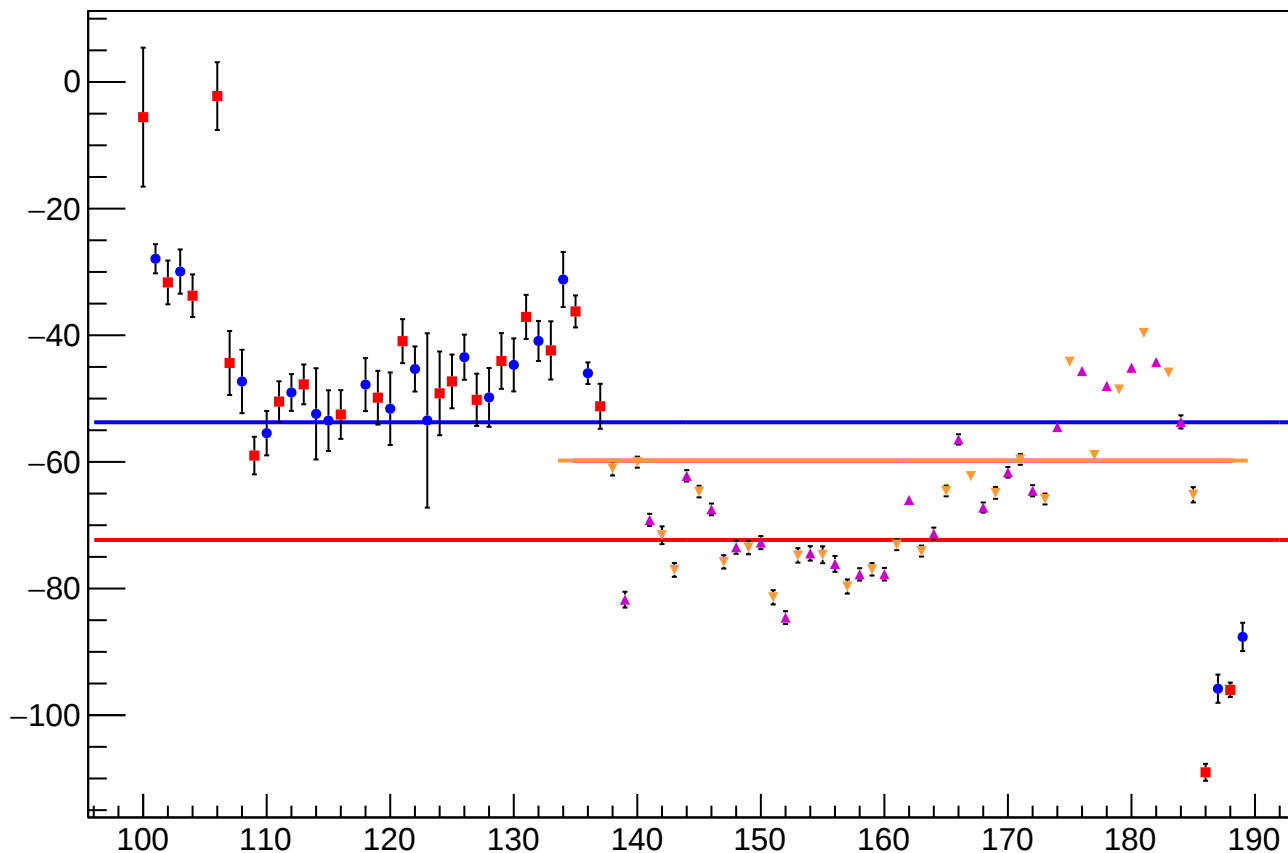
Left In: 1.329+/-0.140 χ^2/NDF :2048.0/22

+ sign 0.361+/-0.130 χ^2/NDF : 2605.8/43

All: 0.388+/-0.093 χ^2/NDF : 5619.7/87

- sign 0.417+/-0.134 χ^2/NDF : 3013.9/43

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -53.741 ± 0.741 χ^2/NDF : 848.1/18

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -72.326 ± 0.615 χ^2/NDF : 2452.4/20

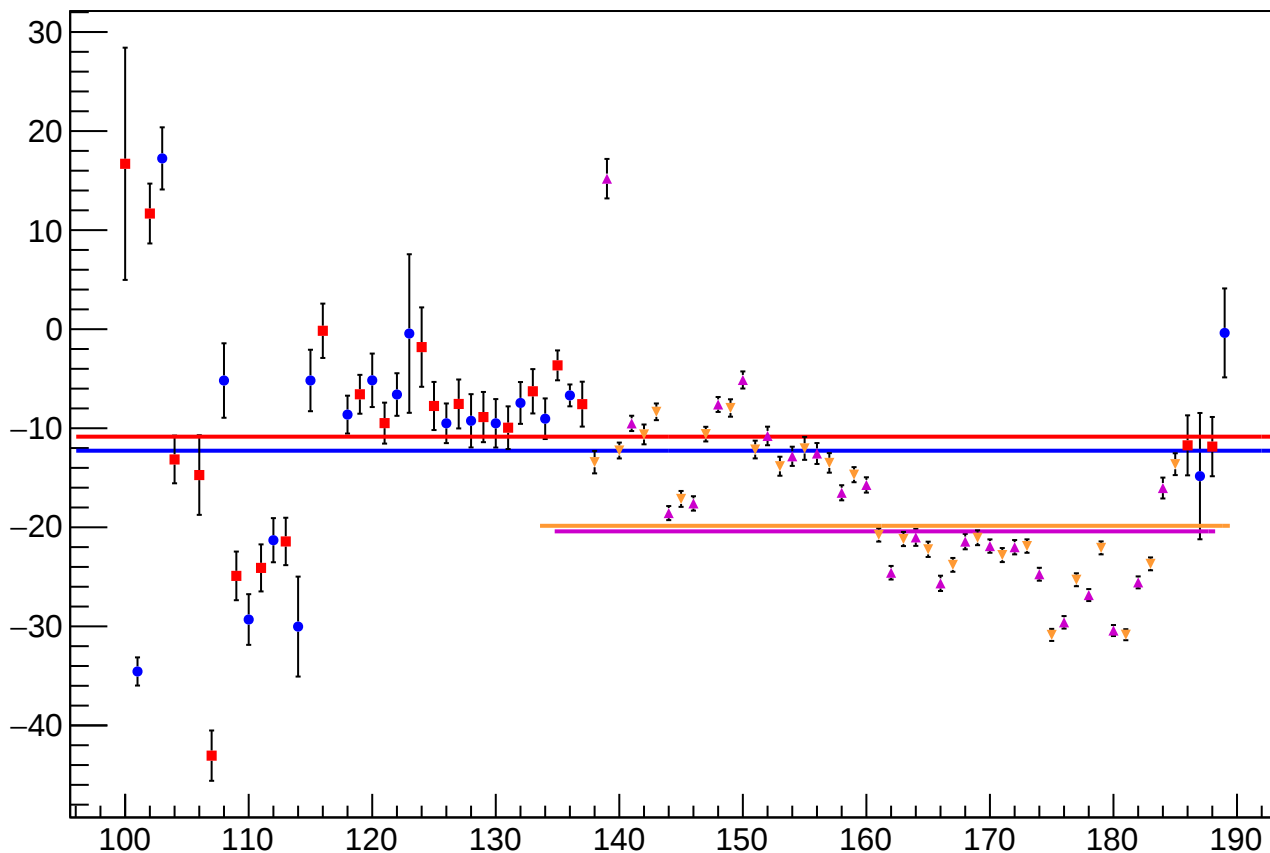
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.485 ± 0.166 χ^2/NDF : 6749.2/43

All: -60.101 ± 0.118 χ^2/NDF : 14831.4/87

- sign -60.724 ± 0.167 χ^2/NDF : 8054.5/43

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.268 ± 0.519 χ^2/NDF : 480.8/18

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -10.849 ± 0.537 χ^2/NDF : 366.1/20

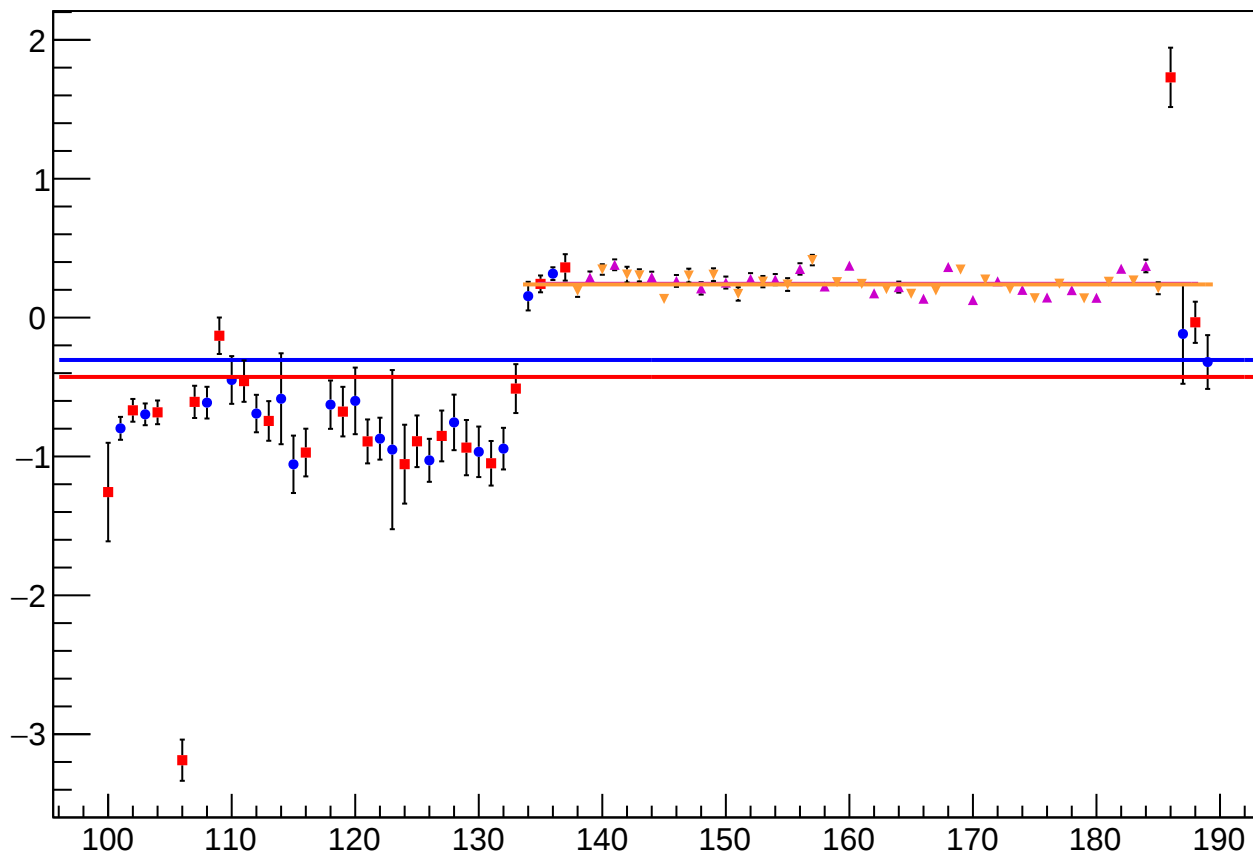
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.242 ± 0.147 χ^2/NDF : 2608.7/43

All: -19.445 ± 0.105 χ^2/NDF : 5573.1/87

- sign -19.659 ± 0.150 χ^2/NDF : 2960.5/43

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.305 ± 0.027 χ^2/NDF : 372.0/18

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.427 ± 0.028 χ^2/NDF : 740.1/20

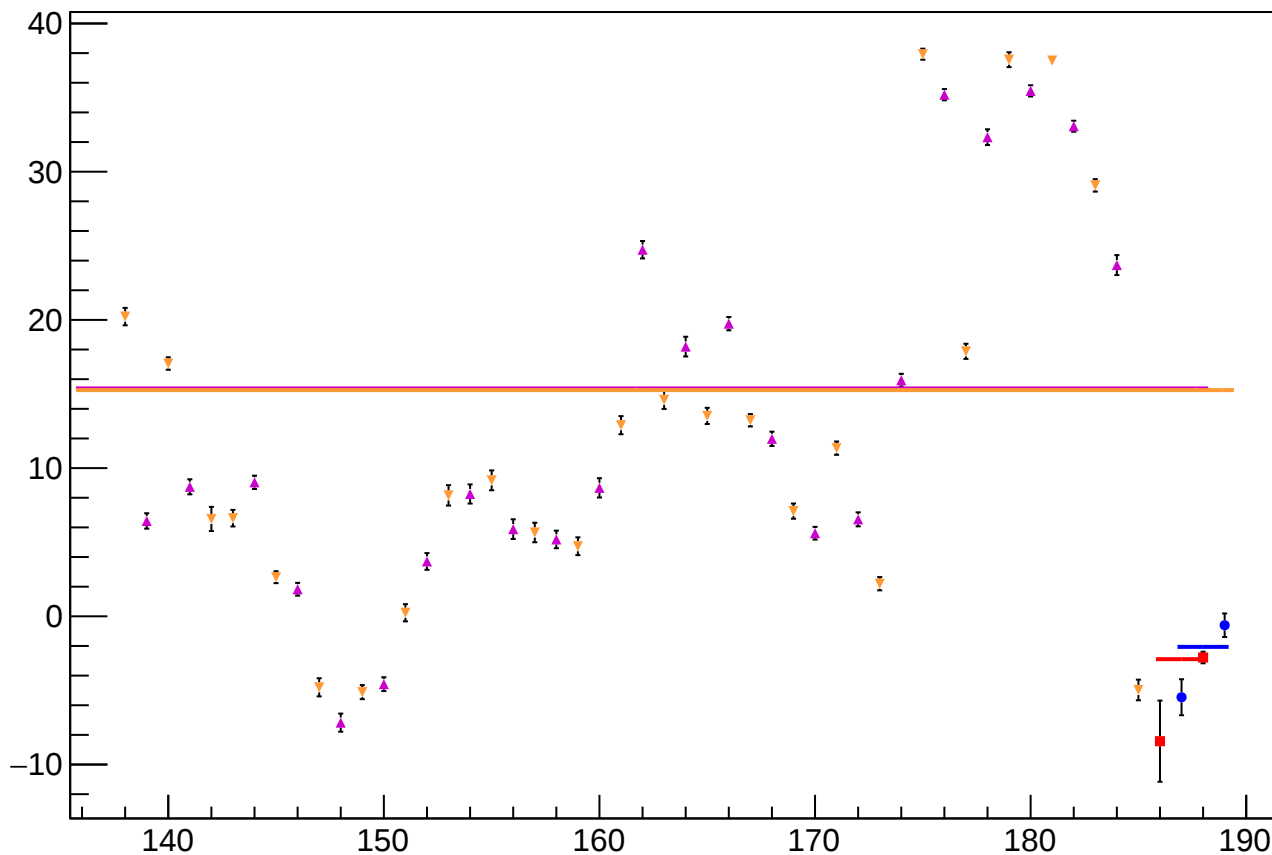
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.205 ± 0.007 χ^2/NDF : 839.0/43

All: 0.203 ± 0.005 χ^2/NDF : 2260.9/87

- sign 0.202 ± 0.007 χ^2/NDF : 1421.7/43

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: -2.062 ± 0.665 χ^2/NDF : 11.2/1

Left Out: 15.263 ± 0.100 χ^2/NDF : 19175.2/24

Right Out: -2.892 ± 0.385 χ^2/NDF : 4.2/1

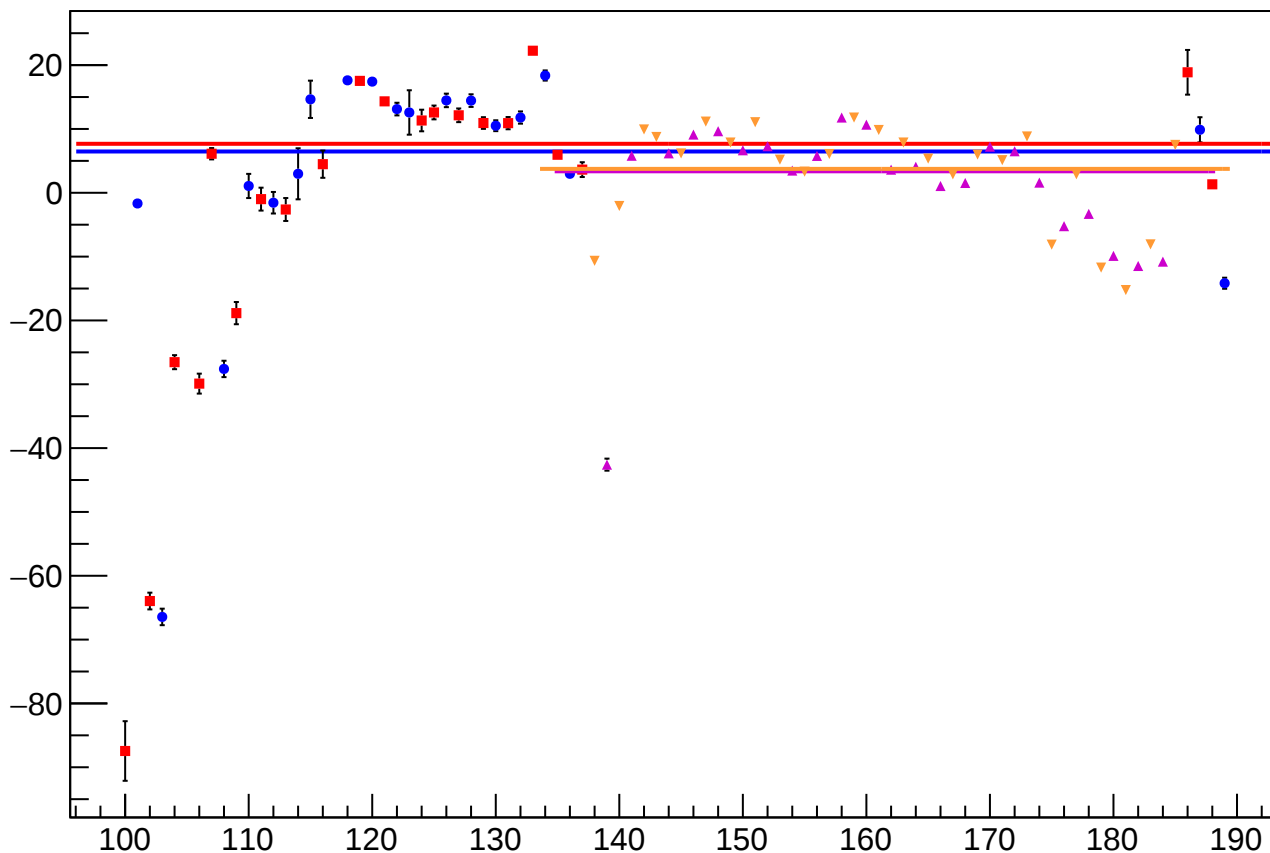
Left In: 15.377 ± 0.103 χ^2/NDF : 16268.9/22

+ sign 14.876 ± 0.099 χ^2/NDF : 19849.3/26

All: 14.519 ± 0.070 χ^2/NDF : 38249.5/51

- sign 14.162 ± 0.099 χ^2/NDF : 18374.4/24

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 6.469 ± 0.210 $\chi^2/\text{NDF}: 5904.5/18$

Left Out: 3.746 ± 0.079 $\chi^2/\text{NDF}: 9247.4/24$

Right Out: 7.674 ± 0.200 $\chi^2/\text{NDF}: 6869.6/20$

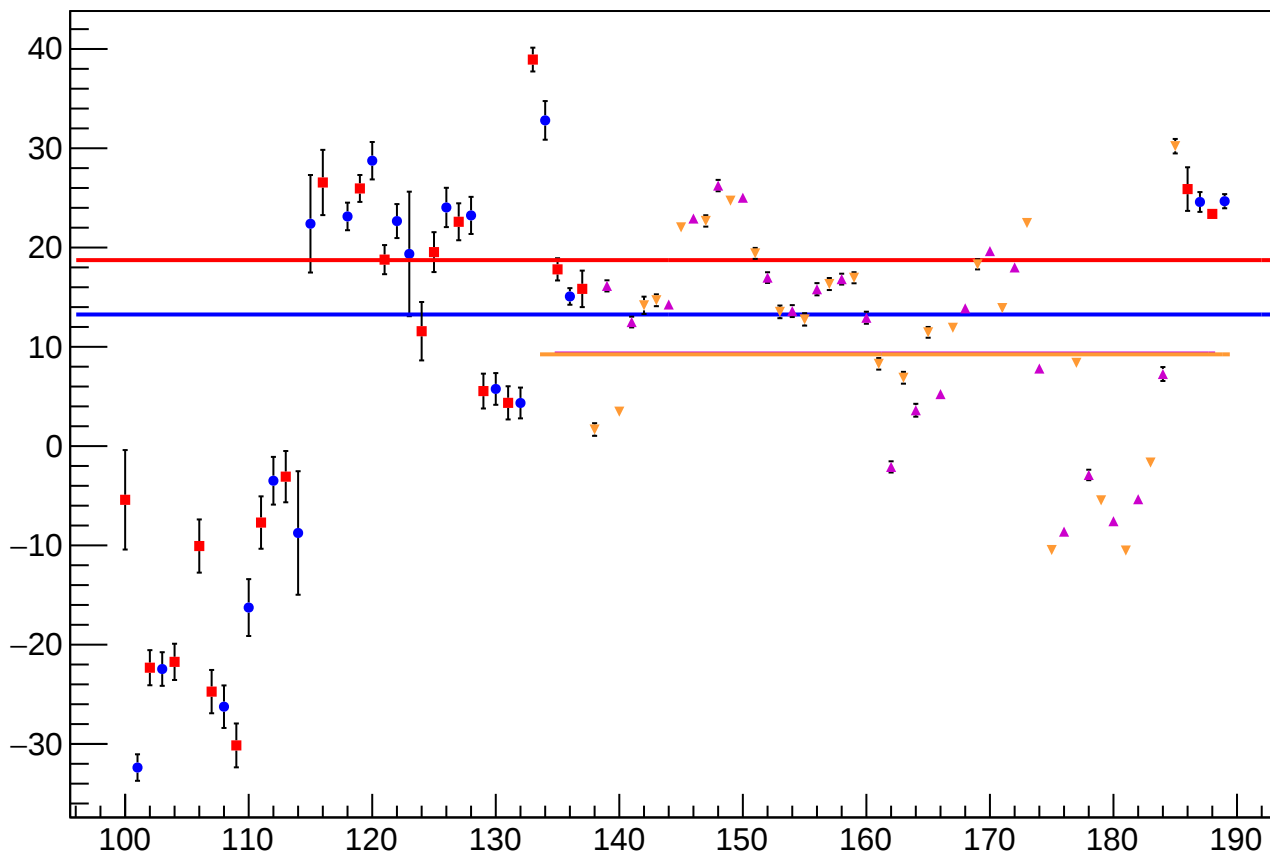
Left In: 3.365 ± 0.081 $\chi^2/\text{NDF}: 8527.0/22$

+ sign 4.080 ± 0.074 $\chi^2/\text{NDF}: 15298.8/43$

All: 4.030 ± 0.053 $\chi^2/\text{NDF}: 31096.0/87$

- sign 3.977 ± 0.075 $\chi^2/\text{NDF}: 15796.2/43$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.257 $\pm$ 0.340 χ^2 /NDF: 2877.2/18

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 18.733 $\pm$ 0.250 χ^2 /NDF: 2917.5/20

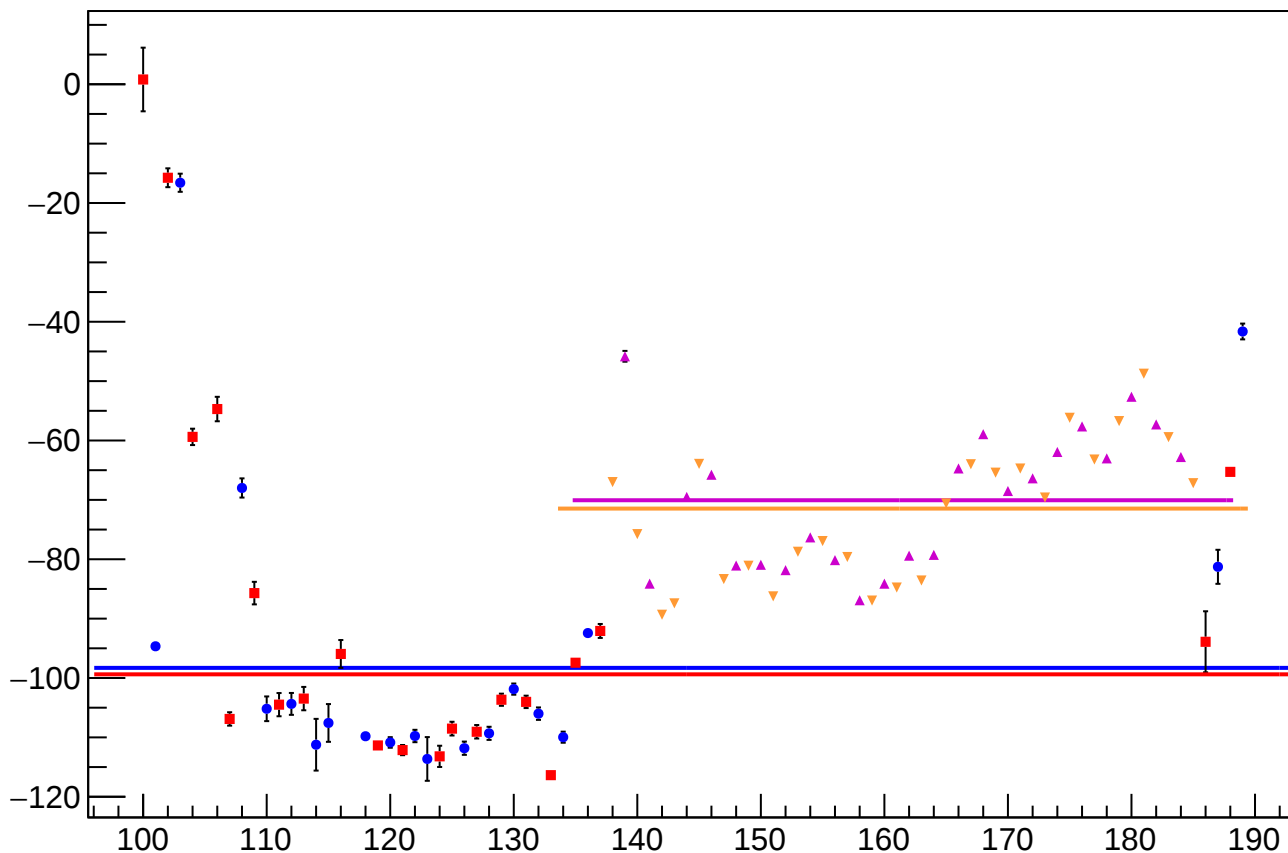
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 9.568 $\pm$ 0.097 χ^2 /NDF: 16638.7/43

All: 10.136 $\pm$ 0.068 χ^2 /NDF: 32803.2/87

- sign 10.682 $\pm$ 0.095 χ^2 /NDF: 16096.8/43

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -98.293 $\pm$ 0.246 χ^2 /NDF: 6380.5/18

Left Out: -71.465 $\pm$ 0.089 χ^2 /NDF:16409.7/24

Right Out: -99.381 $\pm$ 0.236 χ^2 /NDF: 7948.9/20

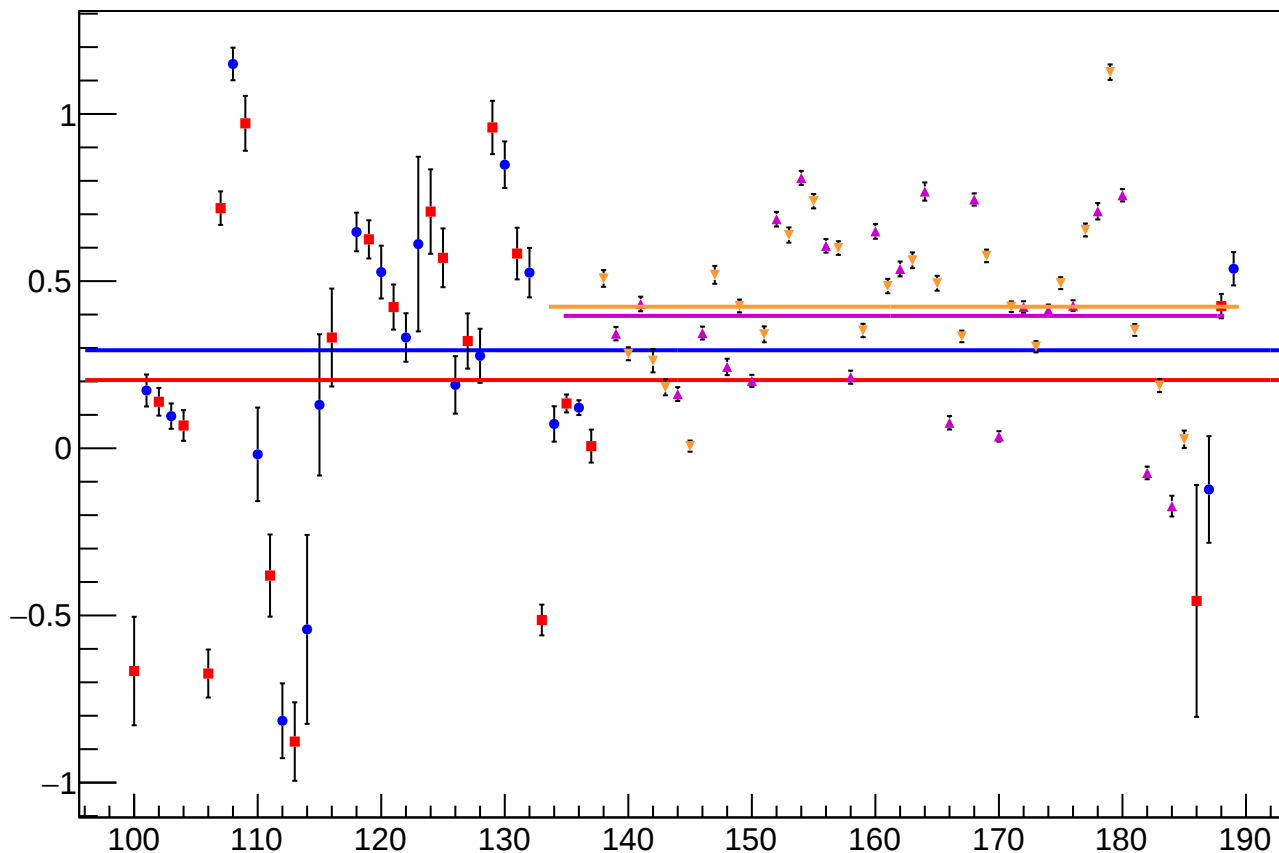
Left In: -70.061 $\pm$ 0.092 χ^2 /NDF:13058.5/22

+ sign -74.593 $\pm$ 0.084 χ^2 /NDF: 33315.9/43

All: -74.255 $\pm$ 0.060 χ^2 /NDF: 67753.3/87

- sign -73.905 $\pm$ 0.085 χ^2 /NDF: 34404.4/43

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.293 $\pm$ 0.013 χ^2/NDF : 685.5/18

Left Out: 0.424 $\pm$ 0.004 χ^2/NDF :2885.0/24

Right Out: 0.204 $\pm$ 0.013 χ^2/NDF : 1011.3/20

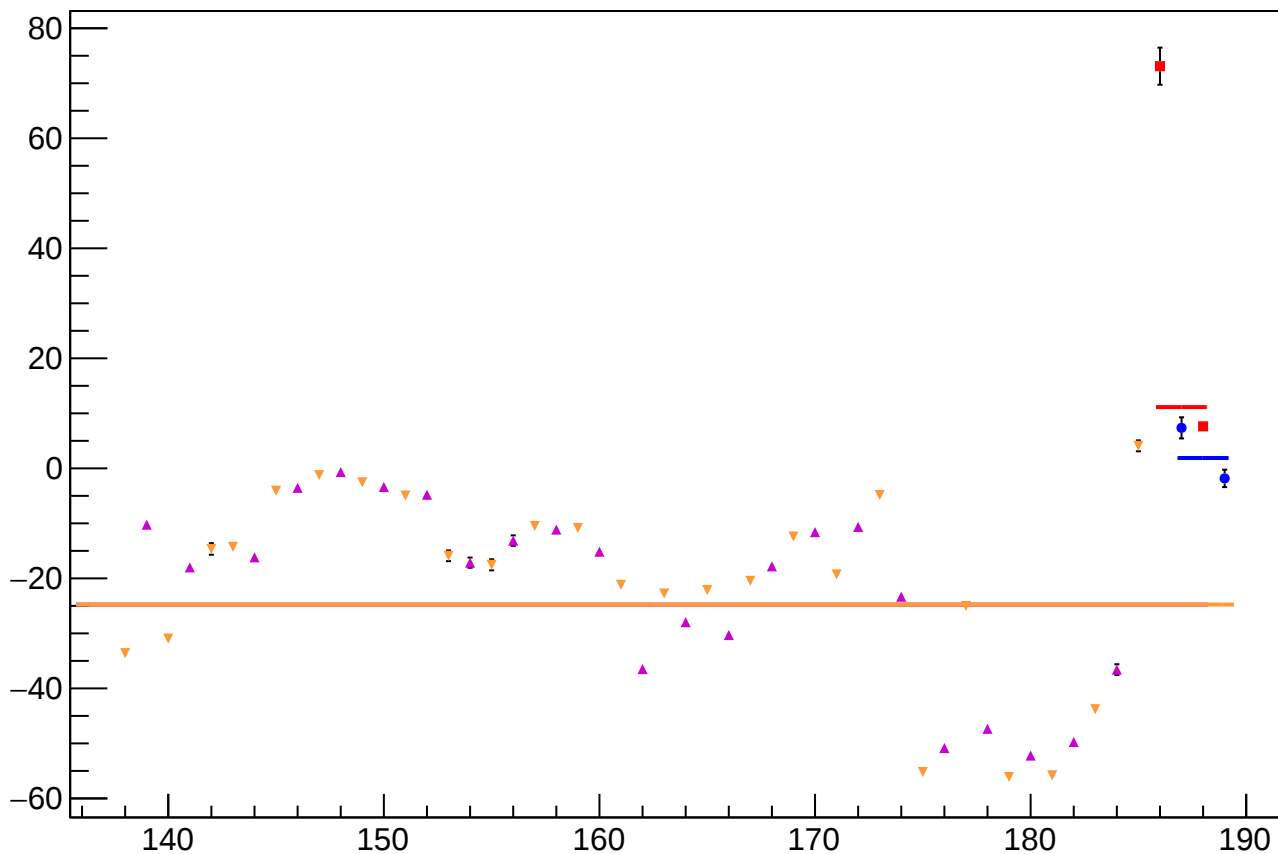
Left In: 0.396 $\pm$ 0.004 χ^2/NDF :4051.5/22

+ sign 0.412 $\pm$ 0.004 χ^2/NDF : 3661.6/43

All: 0.395 $\pm$ 0.003 χ^2/NDF : 8971.0/87

- sign 0.377 $\pm$ 0.004 χ^2/NDF : 5270.8/43

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: 1.881 ± 1.220 $\chi^2/\text{NDF}: 13.6/1$

Left Out: -24.769 ± 0.139 $\chi^2/\text{NDF}: 18318.8/24$

Right Out: 11.132 ± 0.779 $\chi^2/\text{NDF}: 357.5/1$

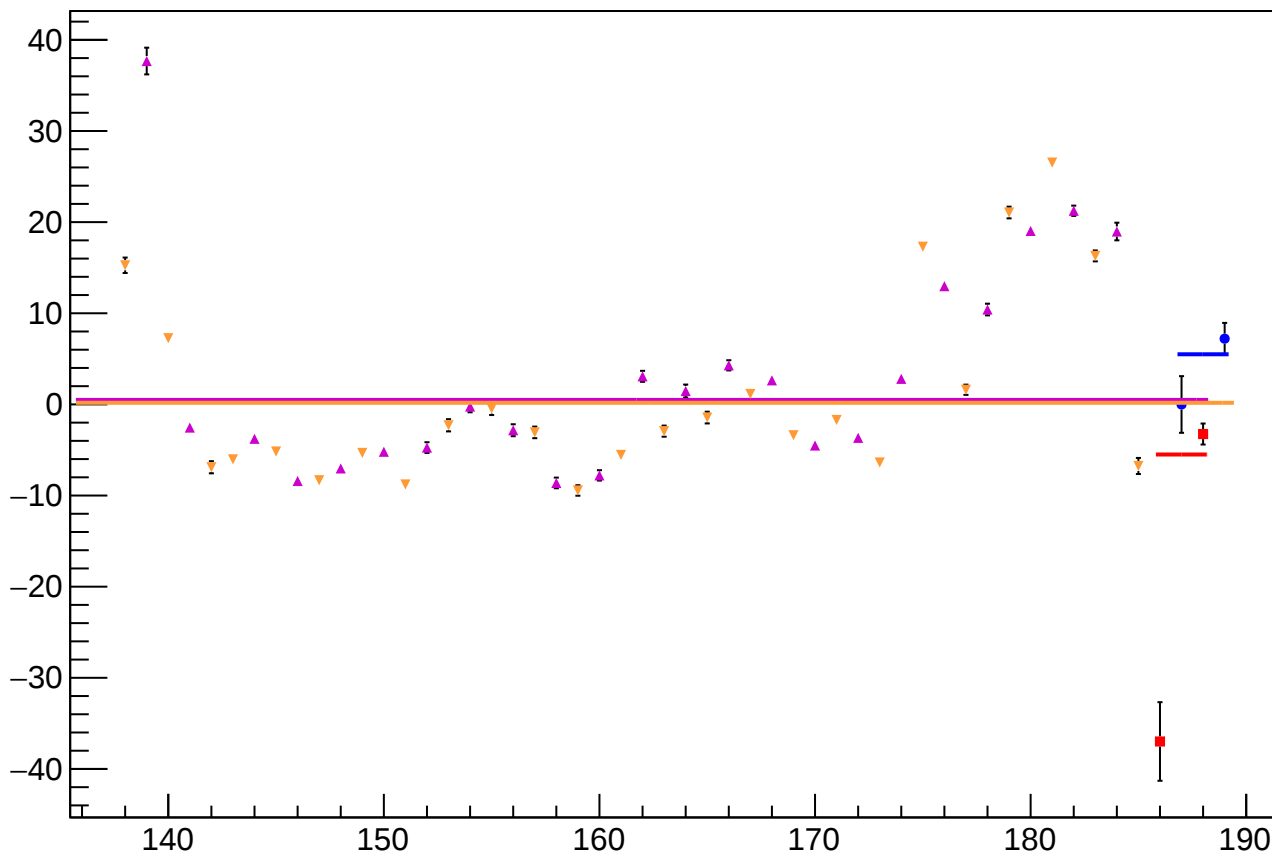
Left In: -24.775 ± 0.143 $\chi^2/\text{NDF}: 14807.4/22$

+ sign -24.425 ± 0.138 $\chi^2/\text{NDF}: 18803.5/26$

All: -24.022 ± 0.099 $\chi^2/\text{NDF}: 36041.2/51$

- sign -23.608 ± 0.140 $\chi^2/\text{NDF}: 17220.6/24$

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 5.500 $\pm$ 1.513 χ^2 /NDF: 4.1/1

Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF:8295.6/24

Right Out: -5.498 $\pm$ 1.114 χ^2 /NDF: 57.1/1

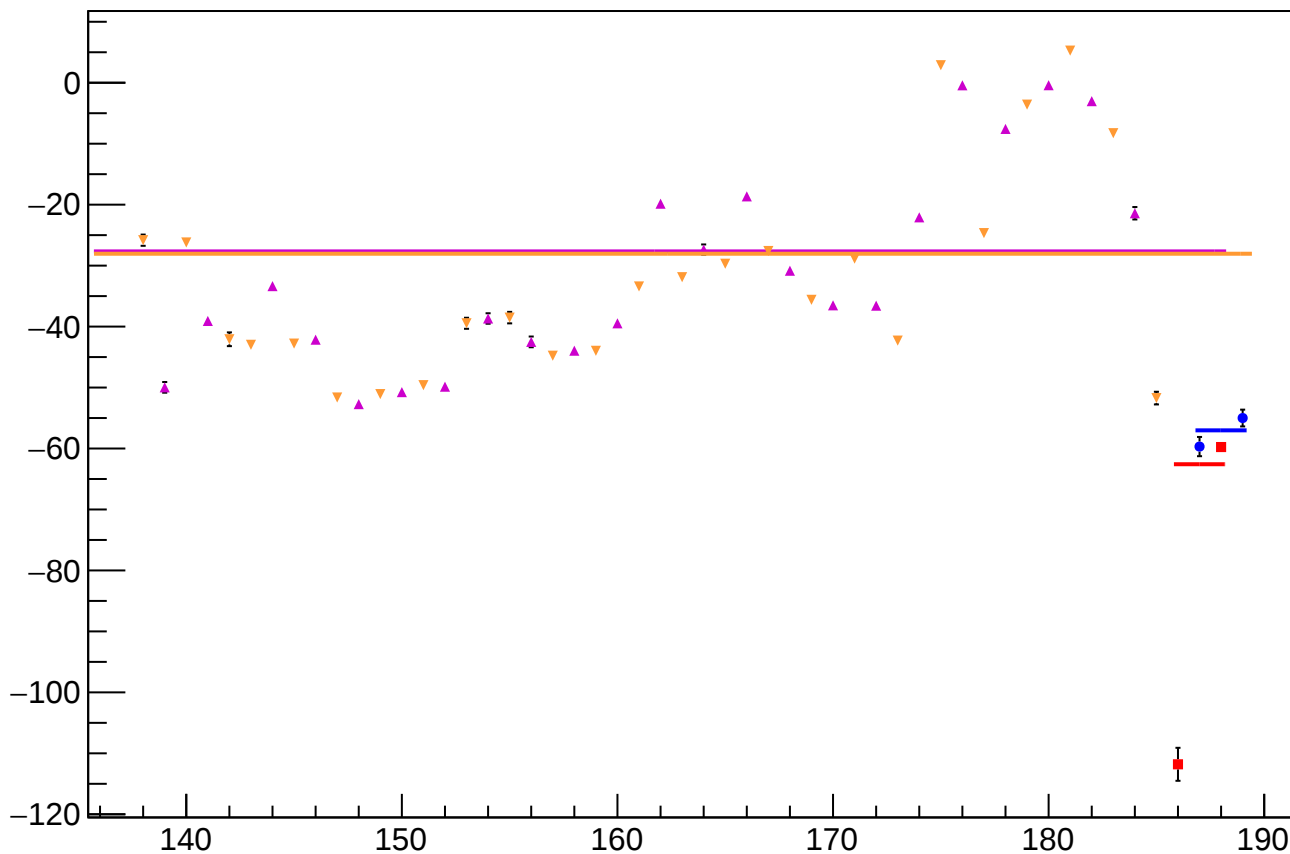
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF:6555.4/22

+ sign 0.205 $\pm$ 0.108 χ^2 /NDF: 8312.0/26

All: 0.315 $\pm$ 0.078 χ^2 /NDF: 14955.2/51

- sign 0.433 $\pm$ 0.112 χ^2 /NDF: 6641.1/24

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -57.020 ± 1.037 χ^2/NDF : 5.0/1

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -62.579 ± 0.630 χ^2/NDF : 349.9/1

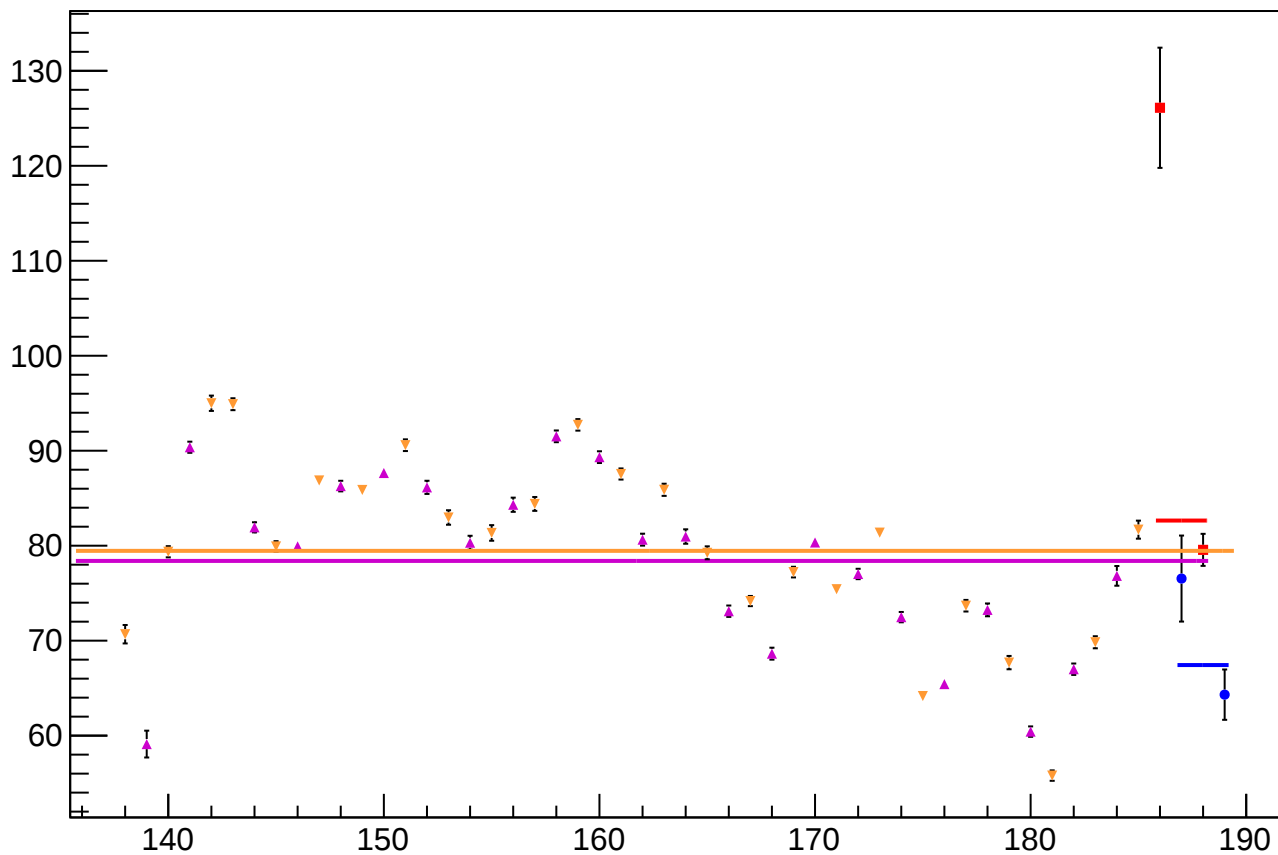
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -28.567 ± 0.139 χ^2/NDF : 17915.6/26

All: -28.966 ± 0.098 χ^2/NDF : 36209.4/51

- sign -29.366 ± 0.139 χ^2/NDF : 18277.2/24

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 67.432 ± 2.287 χ^2/NDF : 5.4/1

Left Out: 79.456 ± 0.123 χ^2/NDF : 6077.1/24

Right Out: 82.646 ± 1.629 χ^2/NDF : 50.5/1

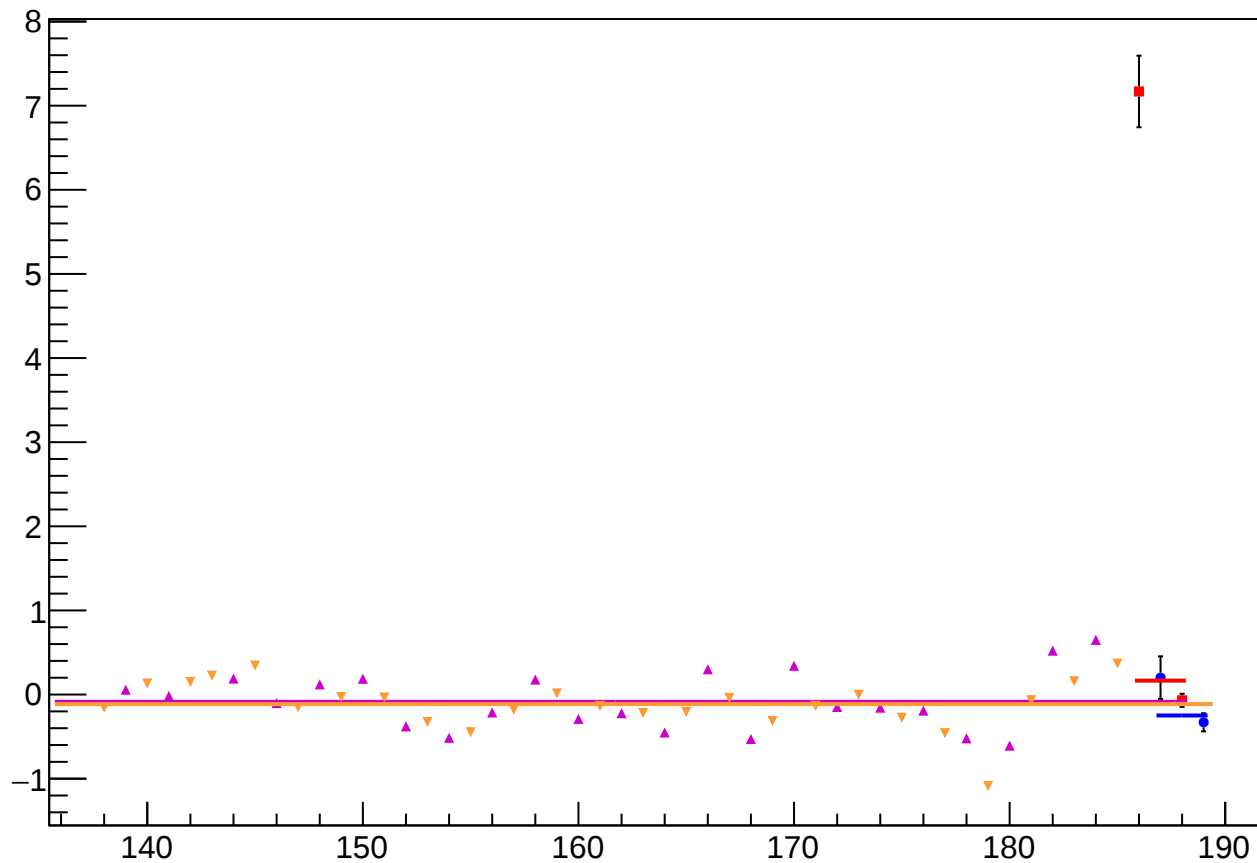
Left In: 78.396 ± 0.127 χ^2/NDF : 4707.3/22

+ sign 79.421 ± 0.123 χ^2/NDF : 6110.1/26

All: 78.935 ± 0.088 χ^2/NDF : 10906.8/51

- sign 78.422 ± 0.126 χ^2/NDF : 4764.6/24

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.249 ± 0.099 χ^2/NDF : 3.7/1

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: 0.166 ± 0.077 χ^2/NDF : 280.1/1

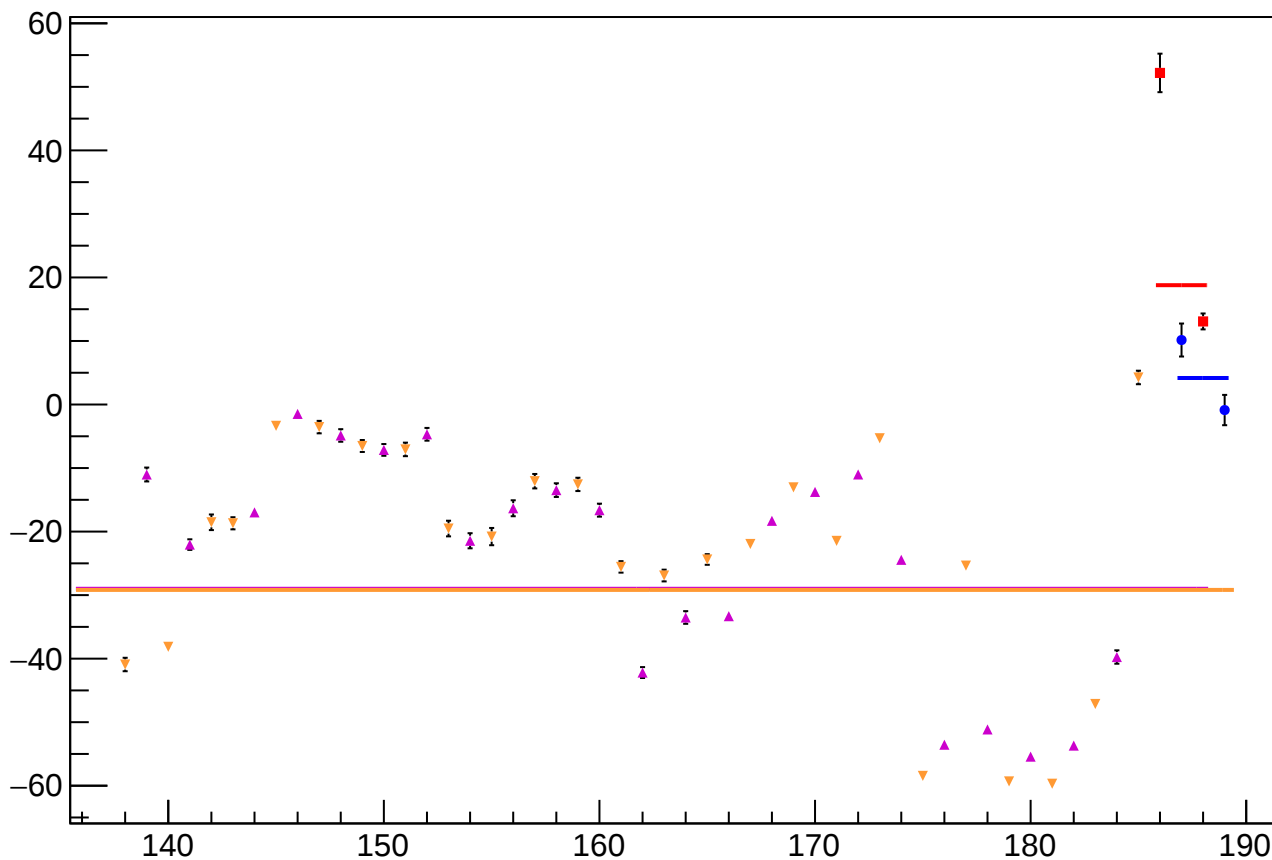
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.114 ± 0.006 χ^2/NDF : 2308.7/26

All: -0.100 ± 0.004 χ^2/NDF : 5744.5/51

- sign -0.085 ± 0.006 χ^2/NDF : 3422.9/24

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: 4.175 ± 1.756 $\chi^2/\text{NDF}: 9.8/1$

Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$

Right Out: 18.783 ± 1.157 $\chi^2/\text{NDF}: 142.3/1$

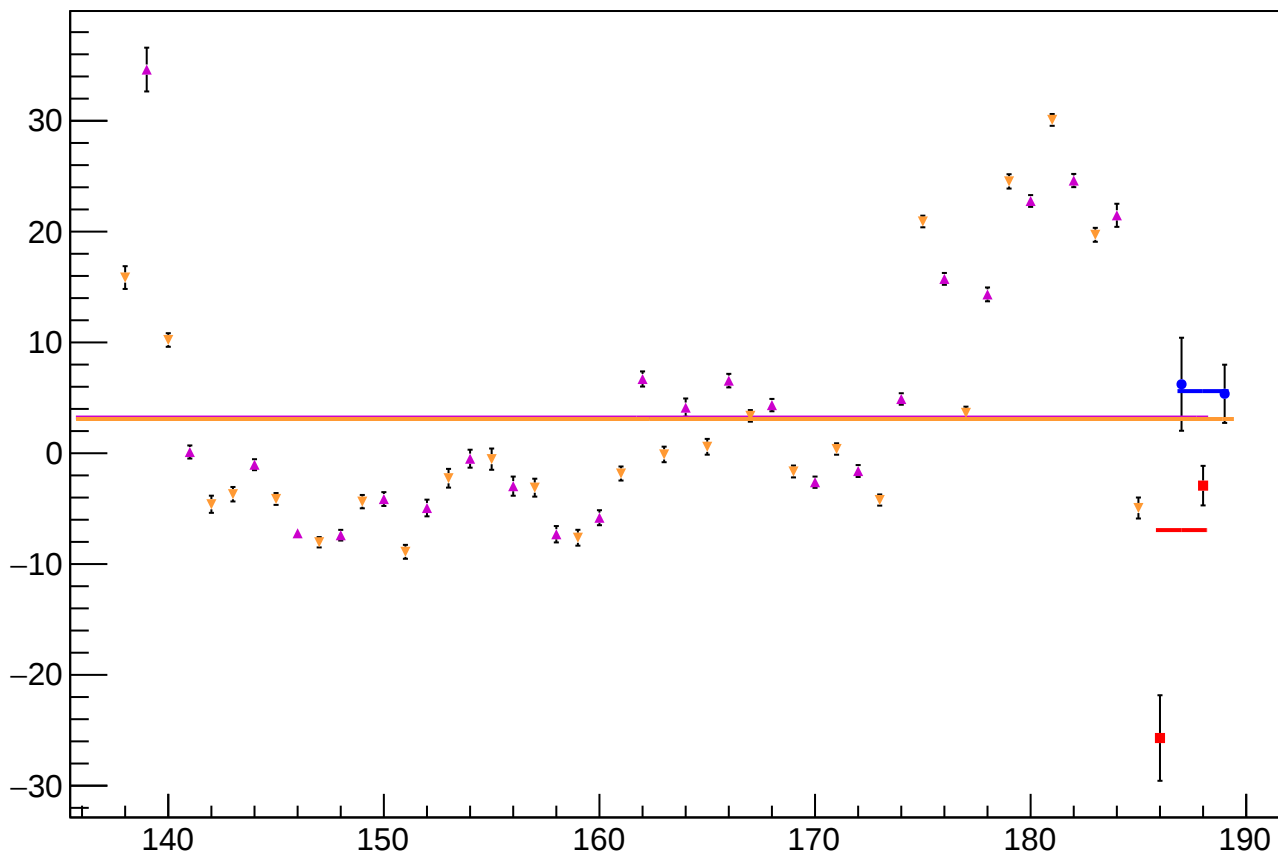
Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -28.917 ± 0.156 $\chi^2/\text{NDF}: 17279.8/26$

All: -28.518 ± 0.111 $\chi^2/\text{NDF}: 32525.2/51$

- sign -28.109 ± 0.158 $\chi^2/\text{NDF}: 15232.2/24$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 5.607 ± 2.227 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 3.091 ± 0.124 $\chi^2/\text{NDF}: 8084.1/24$

Right Out: -6.934 ± 1.620 $\chi^2/\text{NDF}: 28.7/1$

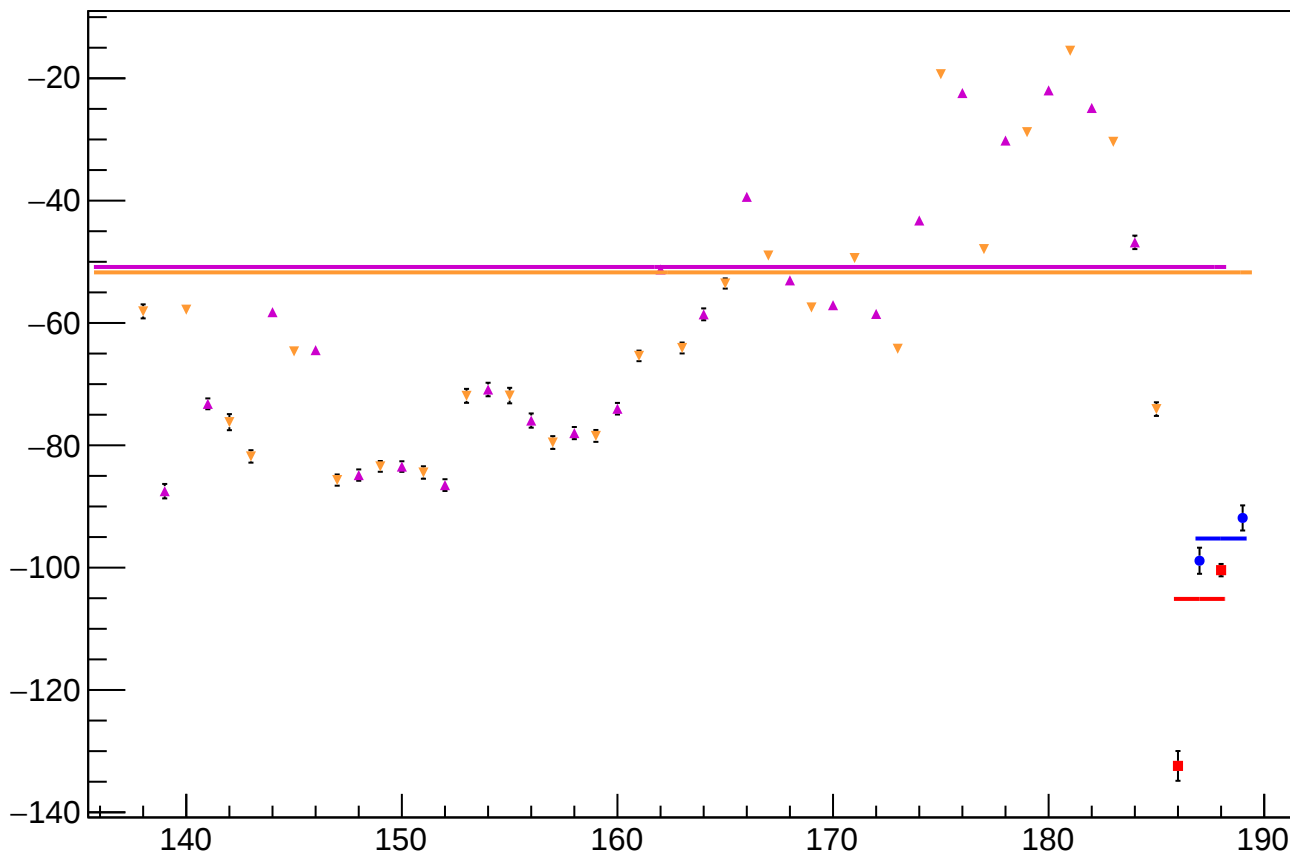
Left In: 3.221 ± 0.127 $\chi^2/\text{NDF}: 6237.6/22$

+ sign 3.099 ± 0.124 $\chi^2/\text{NDF}: 8085.4/26$

All: 3.128 ± 0.089 $\chi^2/\text{NDF}: 14390.8/51$

- sign 3.159 ± 0.127 $\chi^2/\text{NDF}: 6305.3/24$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -95.239 ± 1.479 χ^2/NDF : 5.6/1

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -105.113 ± 0.934 χ^2/NDF : 147.4/1

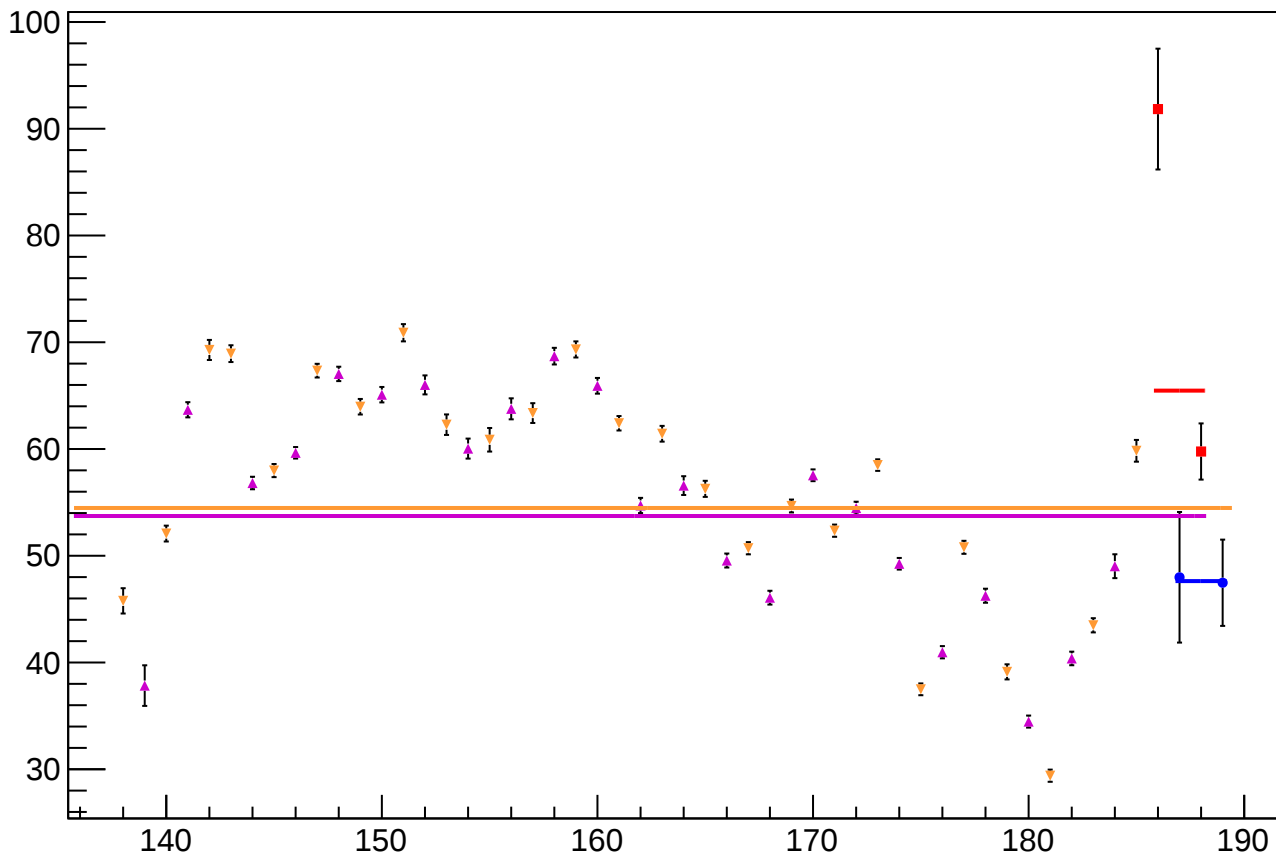
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -52.219 ± 0.157 χ^2/NDF : 20398.7/26

All: -52.306 ± 0.111 χ^2/NDF : 41101.7/51

- sign -52.395 ± 0.158 χ^2/NDF : 20702.3/24

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 47.626+/-3.372 χ^2/NDF : 0.0/1

Left Out: 54.476+/-0.140 χ^2/NDF : 6266.9/24

Right Out: 65.469+/-2.386 χ^2/NDF : 26.4/1

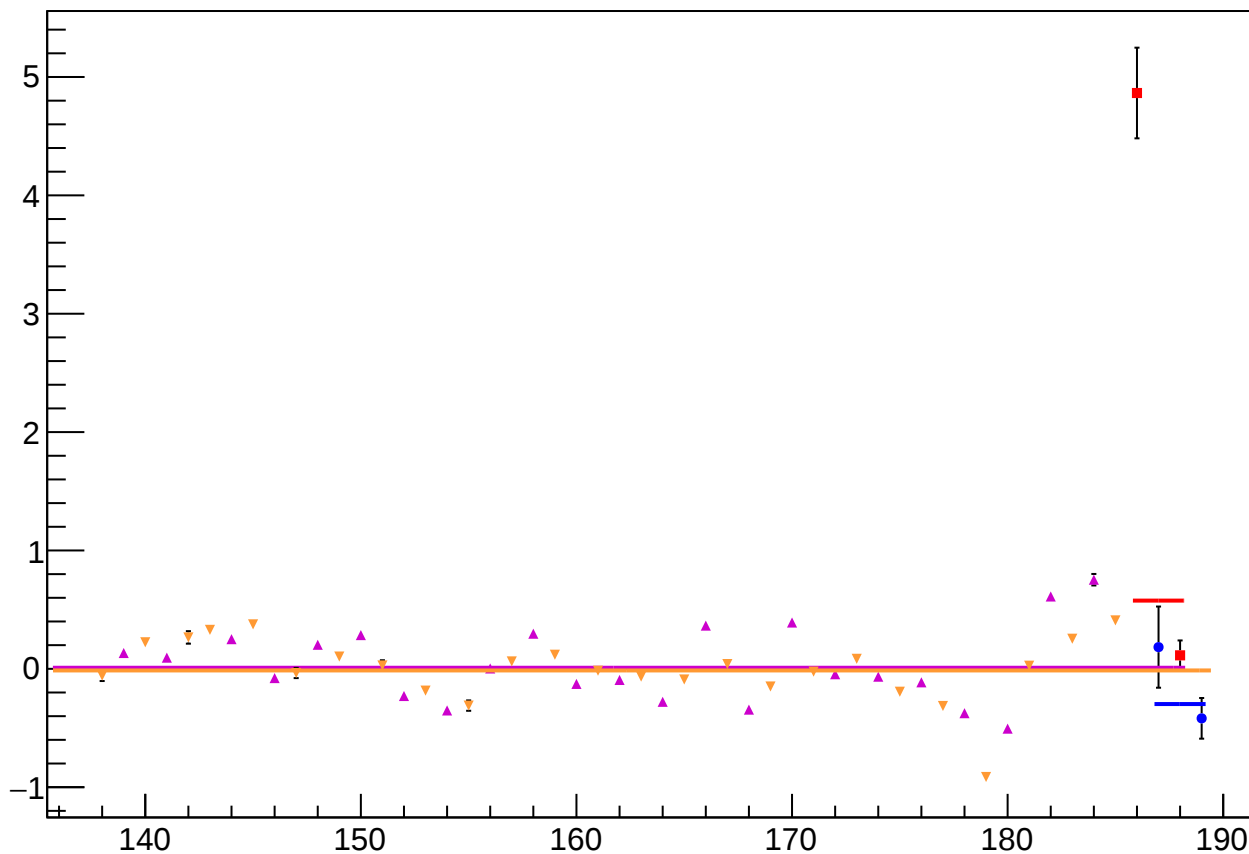
Left In: 53.724+/-0.143 χ^2/NDF : 4585.7/22

+ sign 54.464+/-0.140 χ^2/NDF : 6271.0/26

All: 54.122+/-0.100 χ^2/NDF : 10919.5/51

- sign 53.766+/-0.143 χ^2/NDF : 4636.3/24

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.298 ± 0.154 χ^2/NDF : 2.5/1

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: 0.576 ± 0.119 χ^2/NDF : 138.9/1

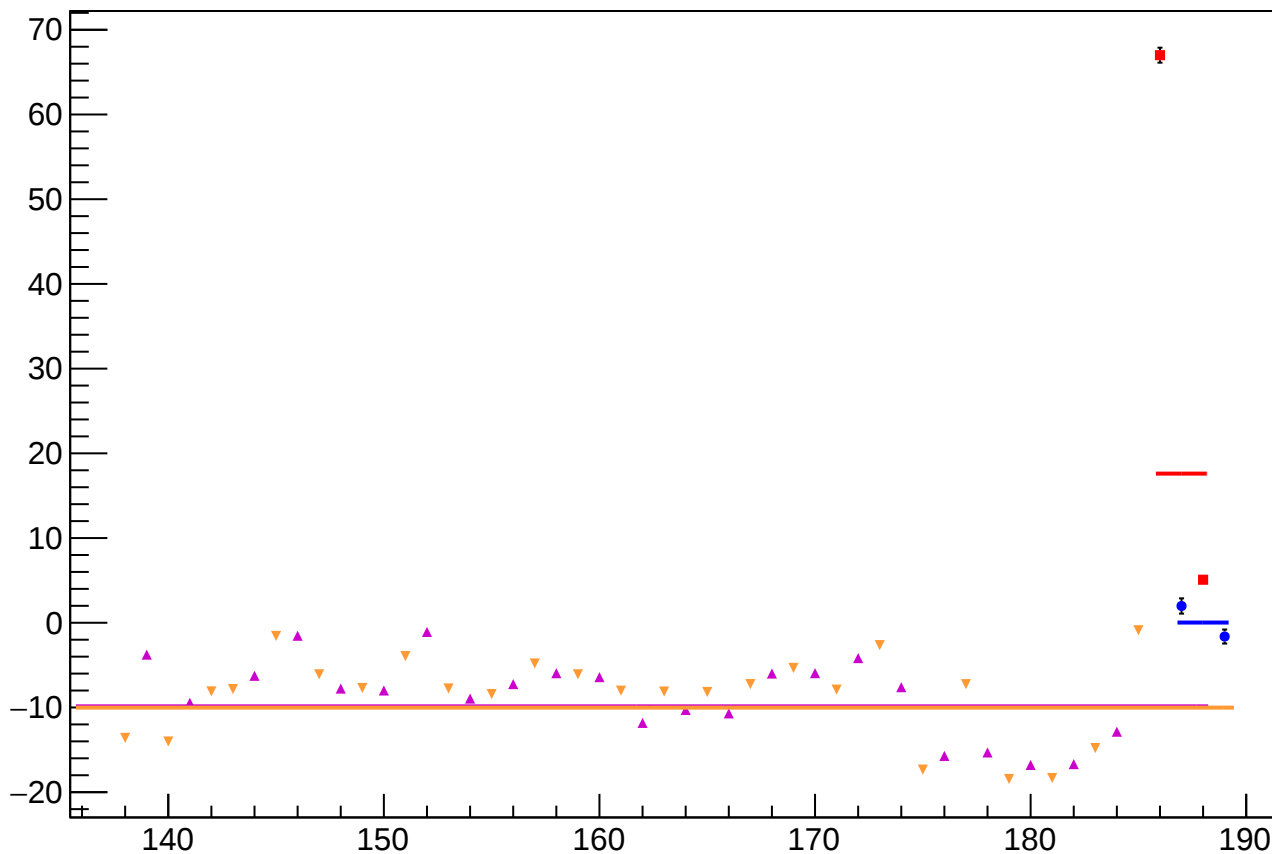
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.014 ± 0.006 χ^2/NDF : 1660.6/26

All: -0.002 ± 0.005 χ^2/NDF : 4049.8/51

- sign 0.011 ± 0.007 χ^2/NDF : 2381.9/24

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.025 ± 0.610 χ^2/NDF : 8.7/1

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: 17.607 ± 0.398 χ^2/NDF : 3906.7/1

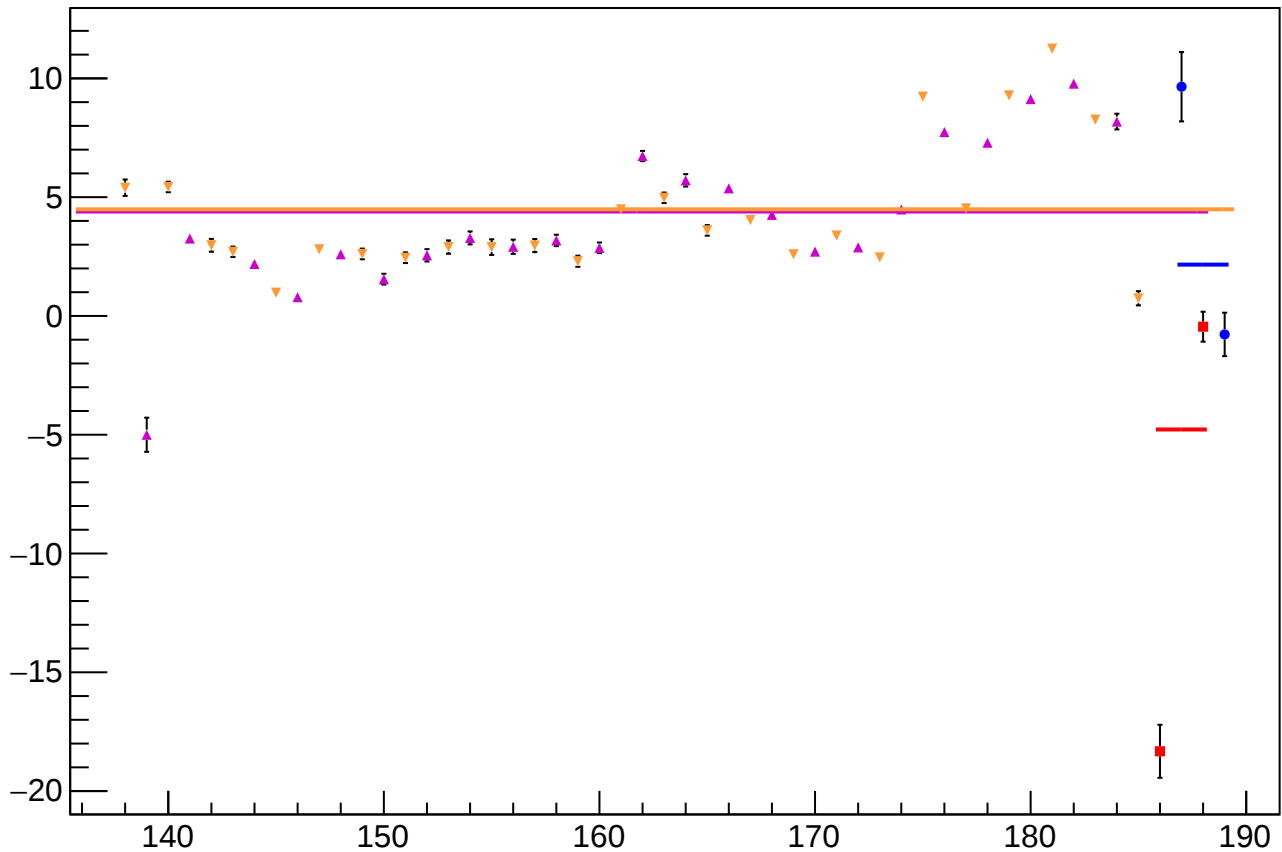
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.948 ± 0.050 χ^2/NDF : 12830.5/26

All: -9.684 ± 0.036 χ^2/NDF : 30824.5/51

- sign -9.415 ± 0.051 χ^2/NDF : 17938.7/24

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 2.161 $\pm$ 0.775 χ^2 /NDF: 36.6/1

Left Out: 4.489 $\pm$ 0.041 χ^2 /NDF: 4832.3/24

Right Out: -4.779 $\pm$ 0.549 χ^2 /NDF: 194.3/1

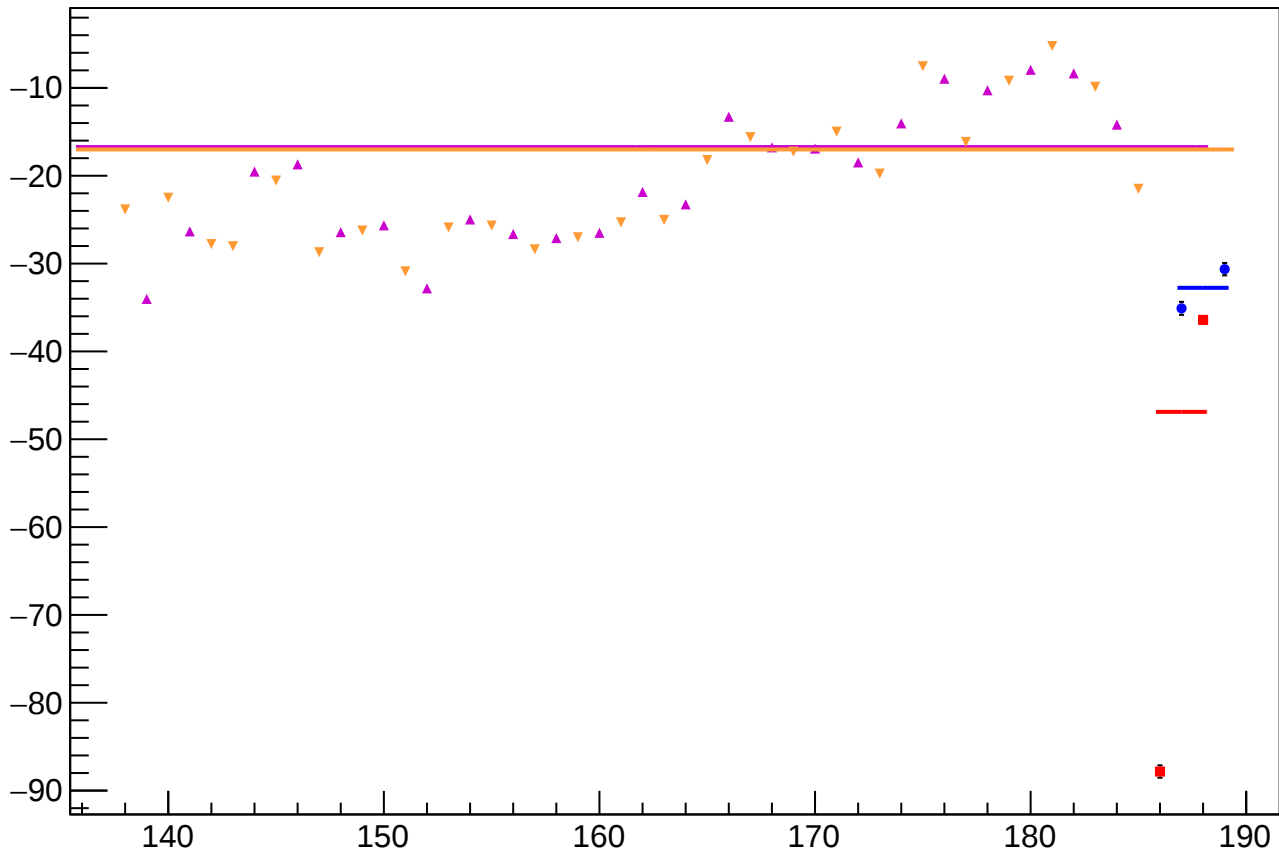
Left In: 4.396 $\pm$ 0.041 χ^2 /NDF: 4230.4/22

+ sign 4.482 $\pm$ 0.041 χ^2 /NDF: 4877.9/26

All: 4.414 $\pm$ 0.029 χ^2 /NDF: 9585.9/51

- sign 4.345 $\pm$ 0.041 χ^2 /NDF: 4702.3/24

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -32.758 ± 0.511 $\chi^2/\text{NDF}: 19.0/1$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -46.882 ± 0.321 $\chi^2/\text{NDF}: 4166.7/1$

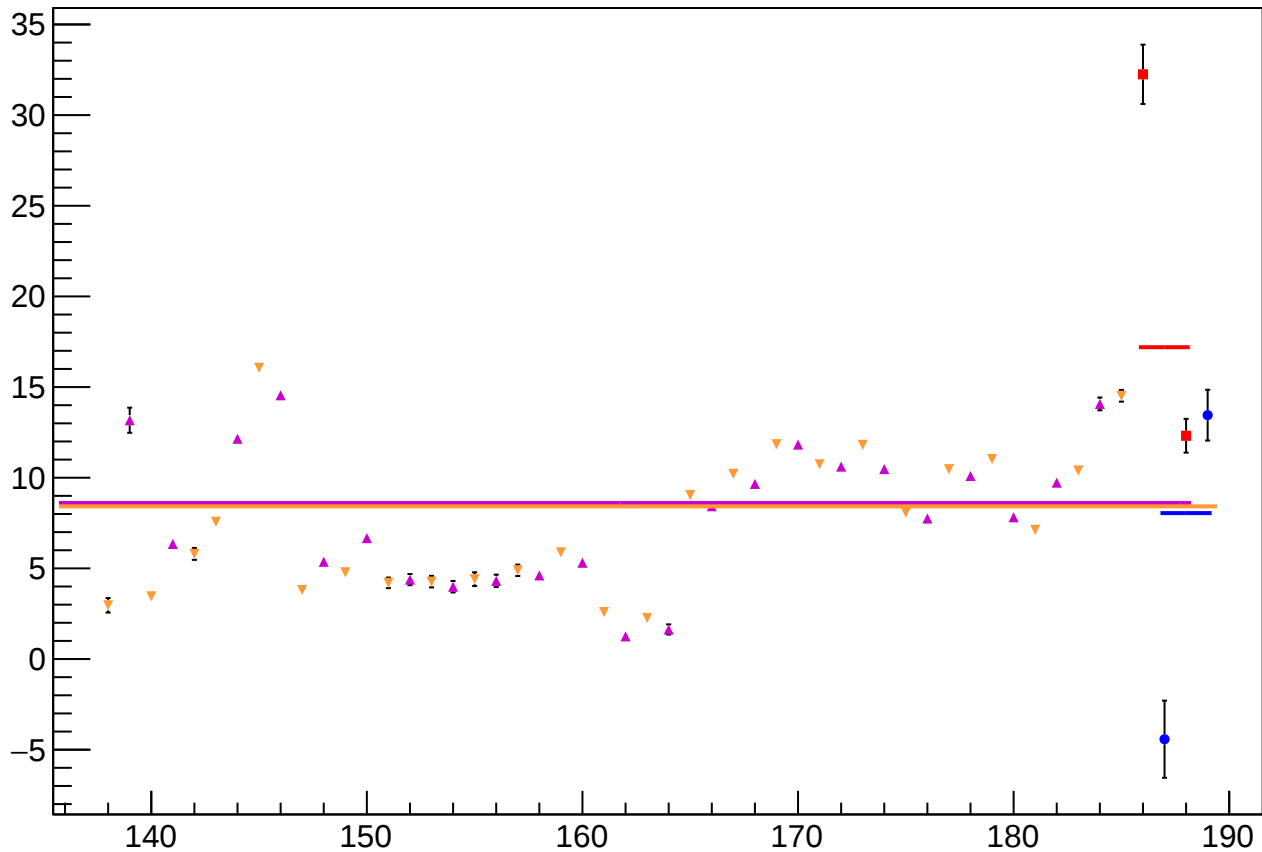
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.164 ± 0.051 $\chi^2/\text{NDF}: 23052.7/26$

All: -17.327 ± 0.036 $\chi^2/\text{NDF}: 54627.0/51$

- sign -17.490 ± 0.051 $\chi^2/\text{NDF}: 31553.8/24$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 8.049 $\pm$ 1.170 χ^2 /NDF: 49.2/1

Left Out: 8.422 $\pm$ 0.046 χ^2 /NDF: 6470.1/24

Right Out: 17.199 $\pm$ 0.809 χ^2 /NDF: 112.2/1

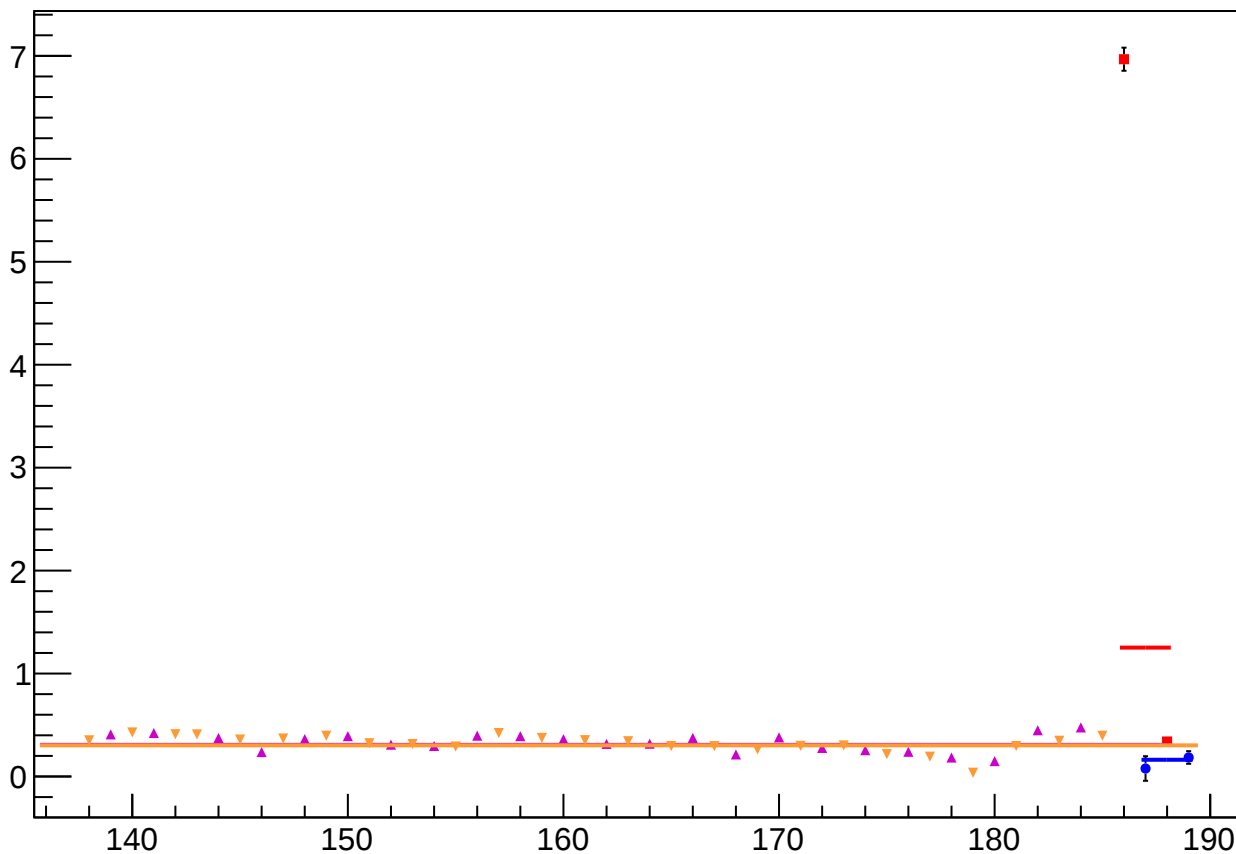
Left In: 8.606 $\pm$ 0.046 χ^2 /NDF: 5504.2/22

+ sign 8.421 $\pm$ 0.046 χ^2 /NDF: 6519.4/26

All: 8.526 $\pm$ 0.032 χ^2 /NDF: 12259.0/51

- sign 8.634 $\pm$ 0.046 χ^2 /NDF: 5728.8/24

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.162 $\pm$ 0.054 χ^2 /NDF: 0.6/1

Left Out: 0.302 $\pm$ 0.002 χ^2 /NDF: 1590.9/24

Right Out: 1.252 $\pm$ 0.042 χ^2 /NDF: 3009.7/1

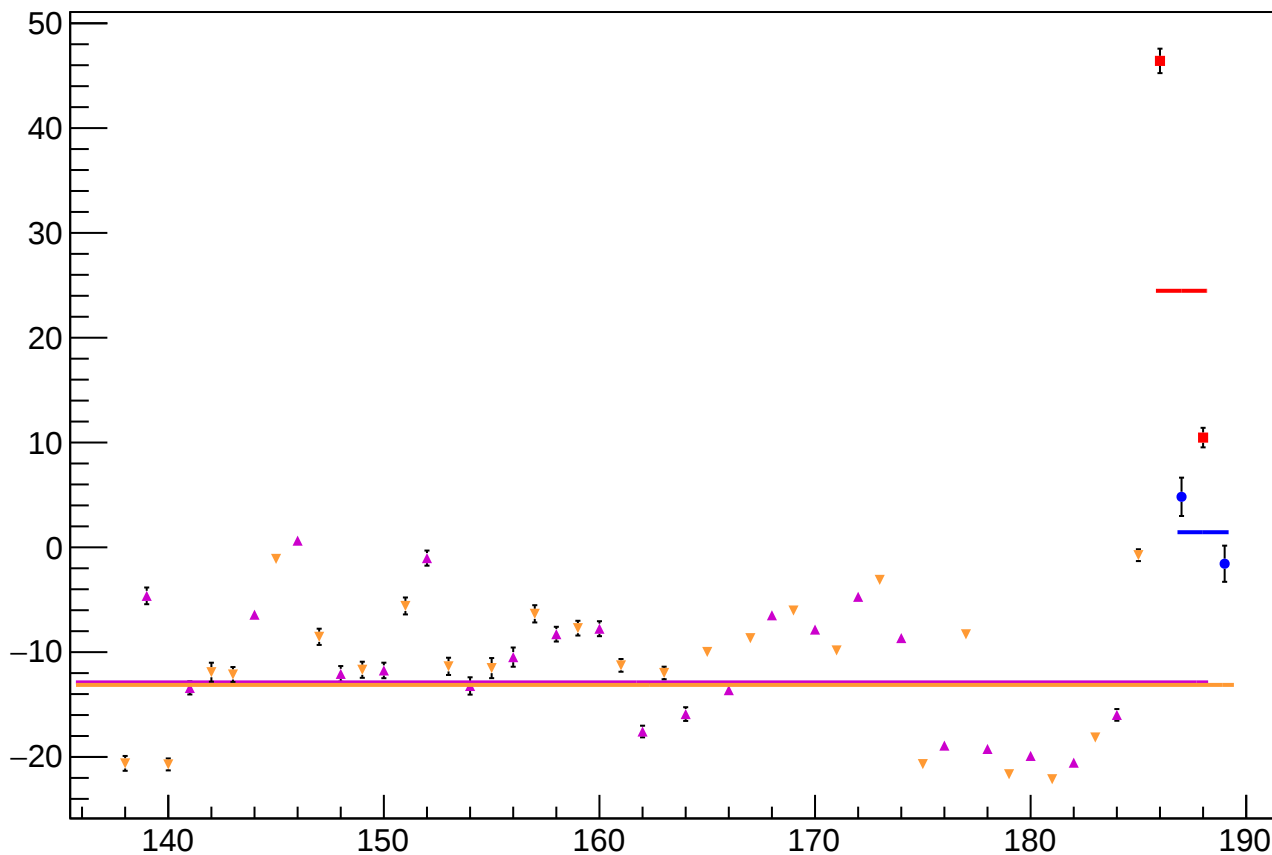
Left In: 0.307 $\pm$ 0.002 χ^2 /NDF: 1699.5/22

+ sign 0.302 $\pm$ 0.002 χ^2 /NDF: 1598.2/26

All: 0.306 $\pm$ 0.001 χ^2 /NDF: 6827.6/51

- sign 0.310 $\pm$ 0.002 χ^2 /NDF: 5223.2/24

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 1.442 ± 1.255 χ^2/NDF : 6.4/1

Left Out: -13.125 ± 0.094 χ^2/NDF : 5977.6/24

Right Out: 24.477 ± 0.728 χ^2/NDF : 579.3/1

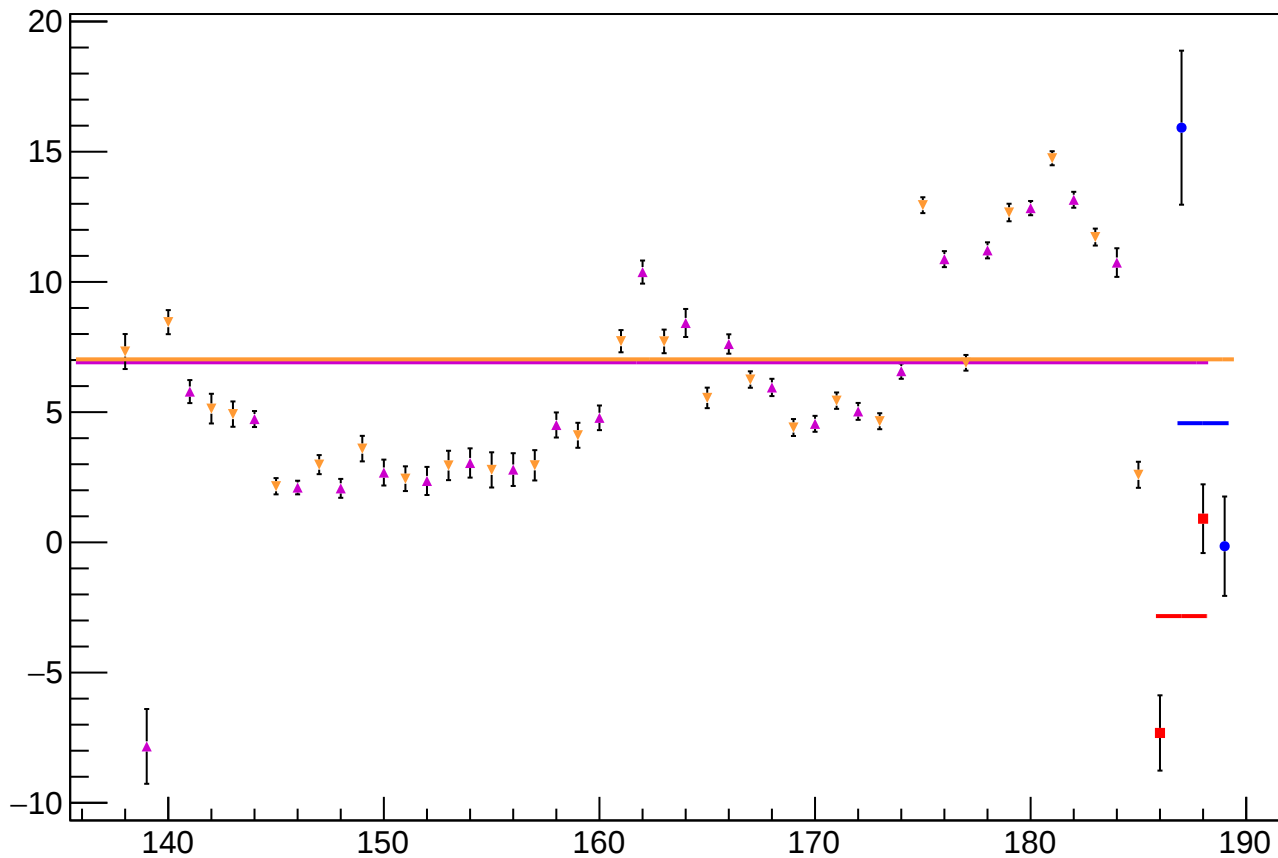
Left In: -12.885 ± 0.095 χ^2/NDF : 4776.2/22

+ sign -13.044 ± 0.093 χ^2/NDF : 6118.0/26

All: -12.655 ± 0.066 χ^2/NDF : 14096.8/51

- sign -12.259 ± 0.094 χ^2/NDF : 7943.8/24

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 4.576 ± 1.603 χ^2/NDF : 20.9/1

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -2.831 ± 0.975 χ^2/NDF : 17.7/1

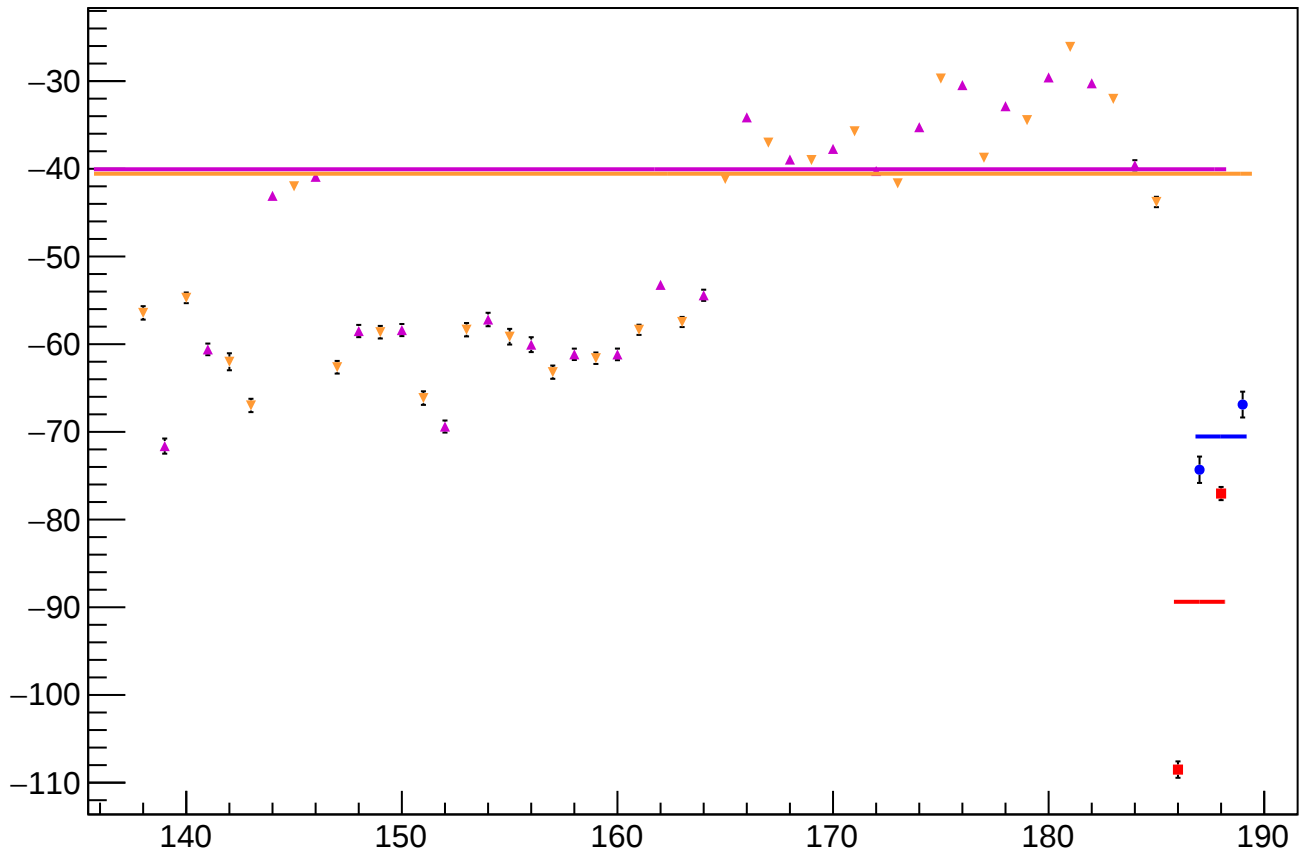
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 7.022 ± 0.077 χ^2/NDF : 2688.5/26

All: 6.938 ± 0.055 χ^2/NDF : 5236.2/51

- sign 6.852 ± 0.078 χ^2/NDF : 2545.3/24

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -70.525 ± 1.052 $\chi^2/\text{NDF}: 12.5/1$

Left Out: -40.563 ± 0.095 $\chi^2/\text{NDF}: 15637.6/24$

Right Out: -89.376 ± 0.586 $\chi^2/\text{NDF}: 688.1/1$

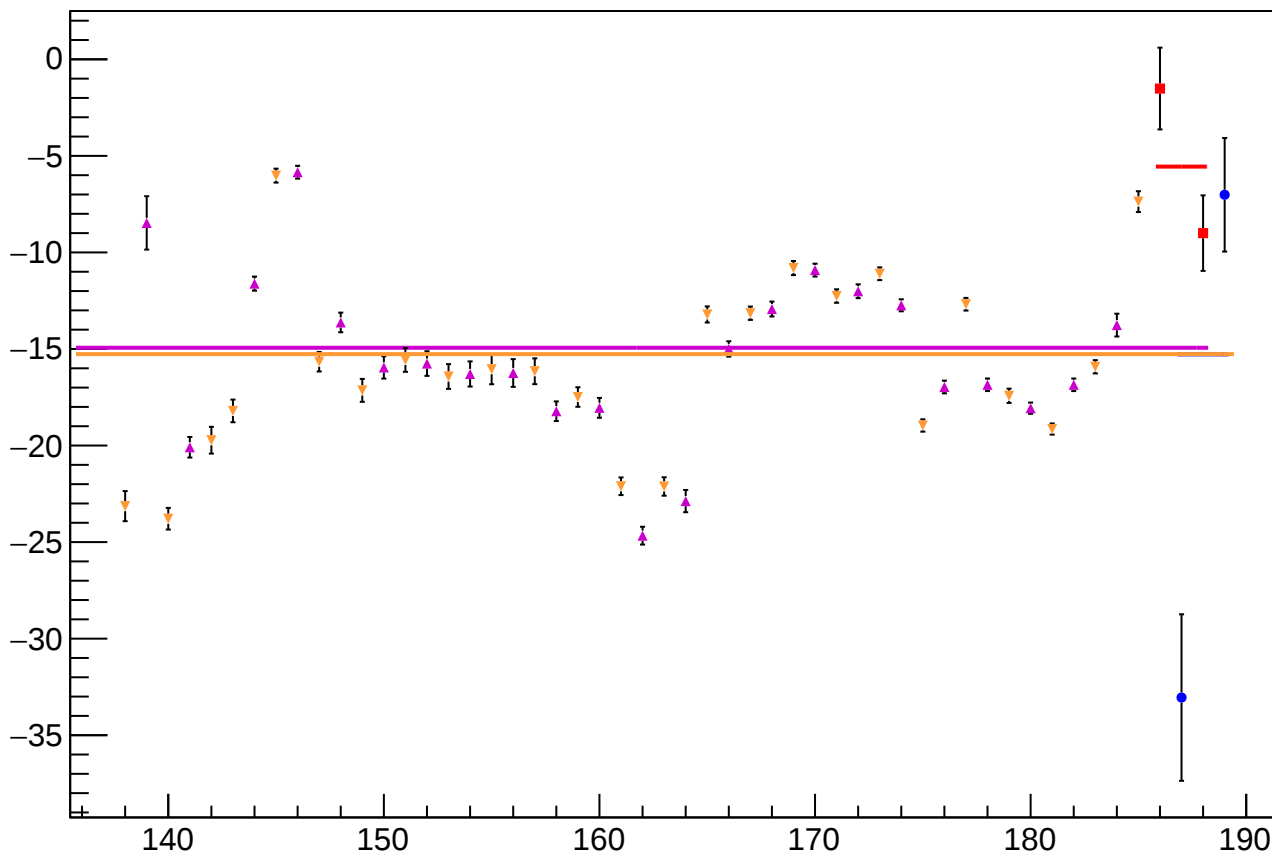
Left In: -40.053 ± 0.096 $\chi^2/\text{NDF}: 13927.3/22$

+ sign -40.804 ± 0.094 $\chi^2/\text{NDF}: 16455.1/26$

All: -41.069 ± 0.067 $\chi^2/\text{NDF}: 37988.6/51$

- sign -41.334 ± 0.094 $\chi^2/\text{NDF}: 21517.7/24$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -15.280 ± 2.429 $\chi^2/\text{NDF}: 24.9/1$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -5.555 ± 1.436 $\chi^2/\text{NDF}: 6.7/1$

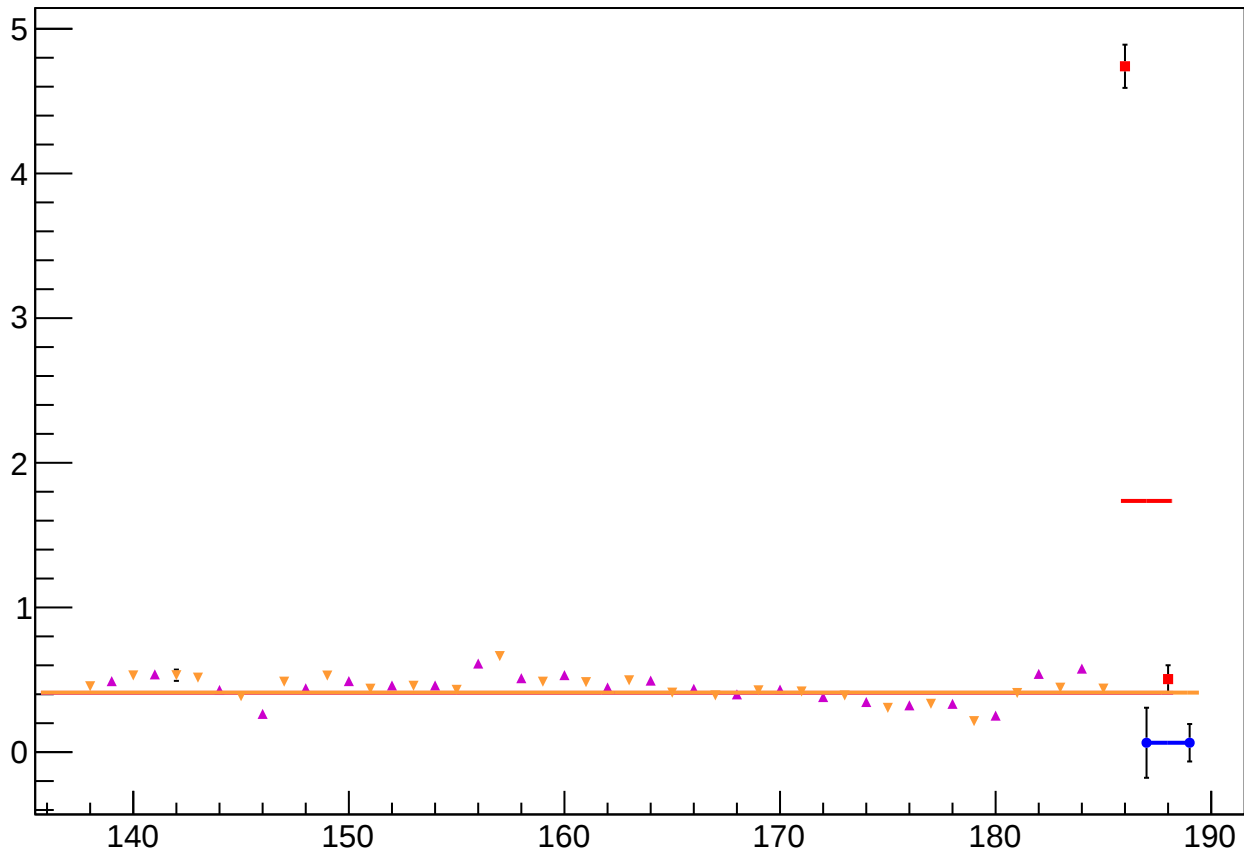
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.266 ± 0.086 $\chi^2/\text{NDF}: 2620.3/26$

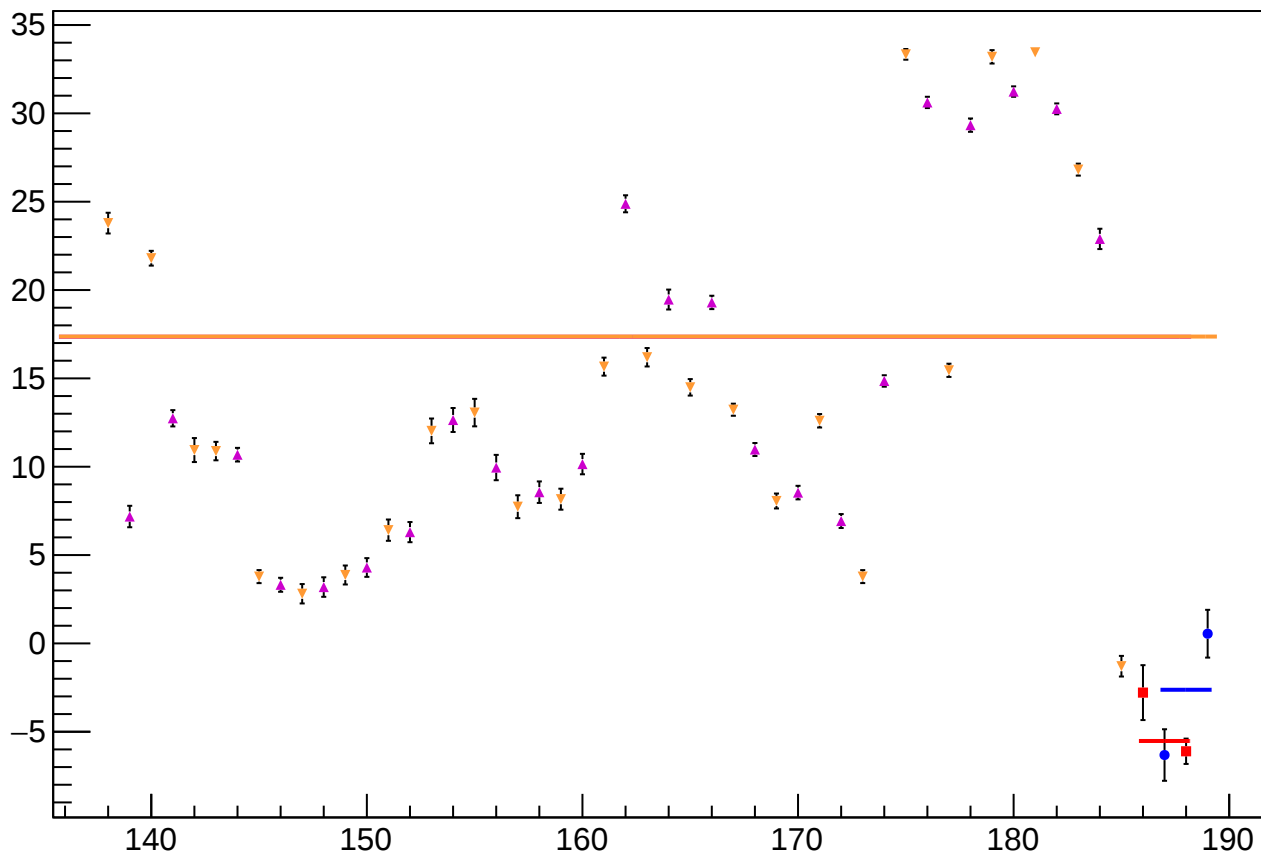
All: -15.086 ± 0.061 $\chi^2/\text{NDF}: 4878.2/51$

- sign -14.902 ± 0.087 $\chi^2/\text{NDF}: 2248.9/24$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: -2.624 ± 0.992 $\chi^2/\text{NDF}: 11.9/1$

Left Out: 17.367 ± 0.087 $\chi^2/\text{NDF}: 16337.6/24$

Right Out: -5.523 ± 0.651 $\chi^2/\text{NDF}: 3.8/1$

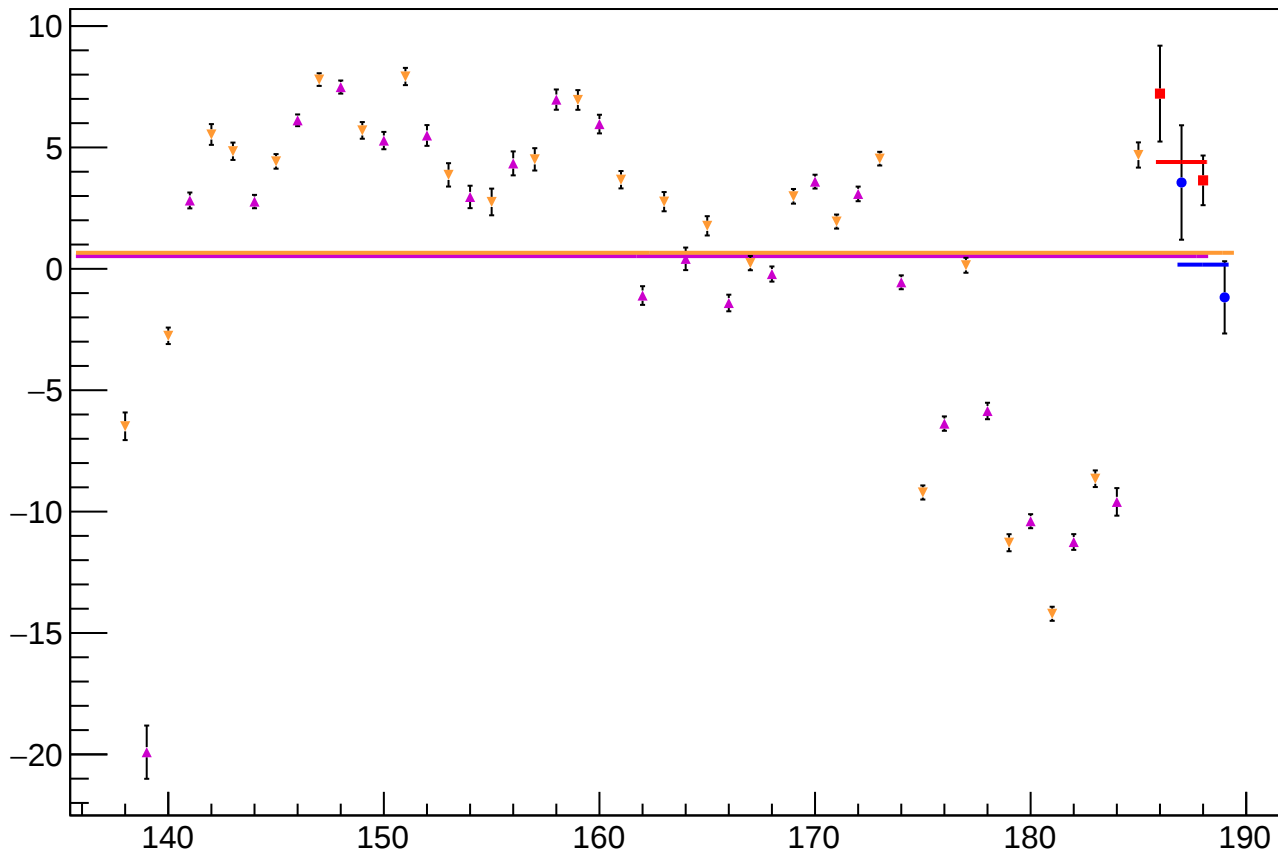
Left In: 17.355 ± 0.089 $\chi^2/\text{NDF}: 12745.1/22$

+ sign 17.214 ± 0.087 $\chi^2/\text{NDF}: 16753.0/26$

All: 17.077 ± 0.062 $\chi^2/\text{NDF}: 30719.8/51$

- sign 16.936 ± 0.088 $\chi^2/\text{NDF}: 13961.8/24$

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.173 $\pm$ 1.258 χ^2 /NDF: 2.9/1

Left Out: 0.661 $\pm$ 0.069 χ^2 /NDF:8553.9/24

Right Out: 4.400 $\pm$ 0.908 χ^2 /NDF: 2.6/1

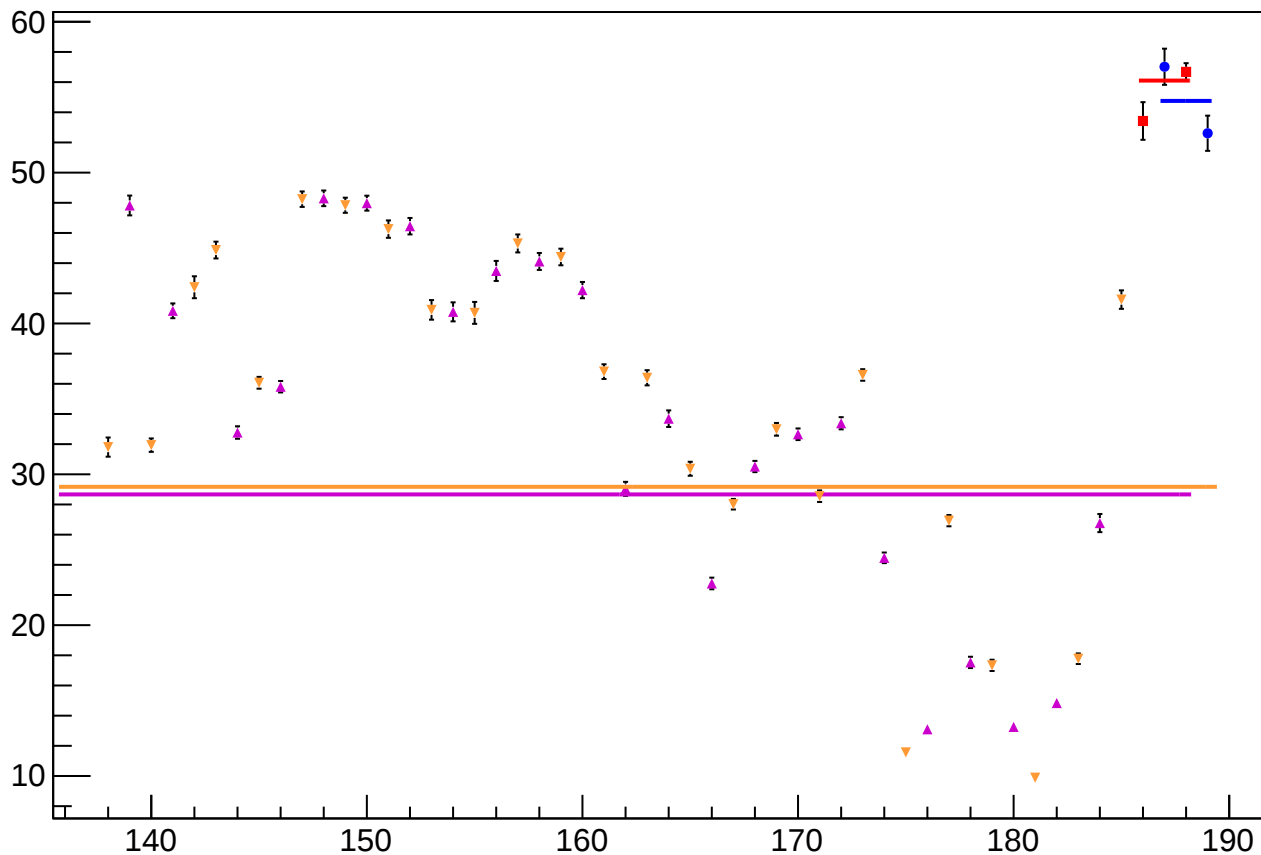
Left In: 0.524 $\pm$ 0.071 χ^2 /NDF:6729.7/22

+ sign 0.659 $\pm$ 0.069 χ^2 /NDF: 8556.9/26

All: 0.604 $\pm$ 0.049 χ^2 /NDF: 15308.6/51

- sign 0.547 $\pm$ 0.071 χ^2 /NDF: 6750.4/24

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 54.754 $\pm$ 0.836 χ^2 /NDF: 6.9/1

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 56.102 $\pm$ 0.525 χ^2 /NDF: 5.6/1

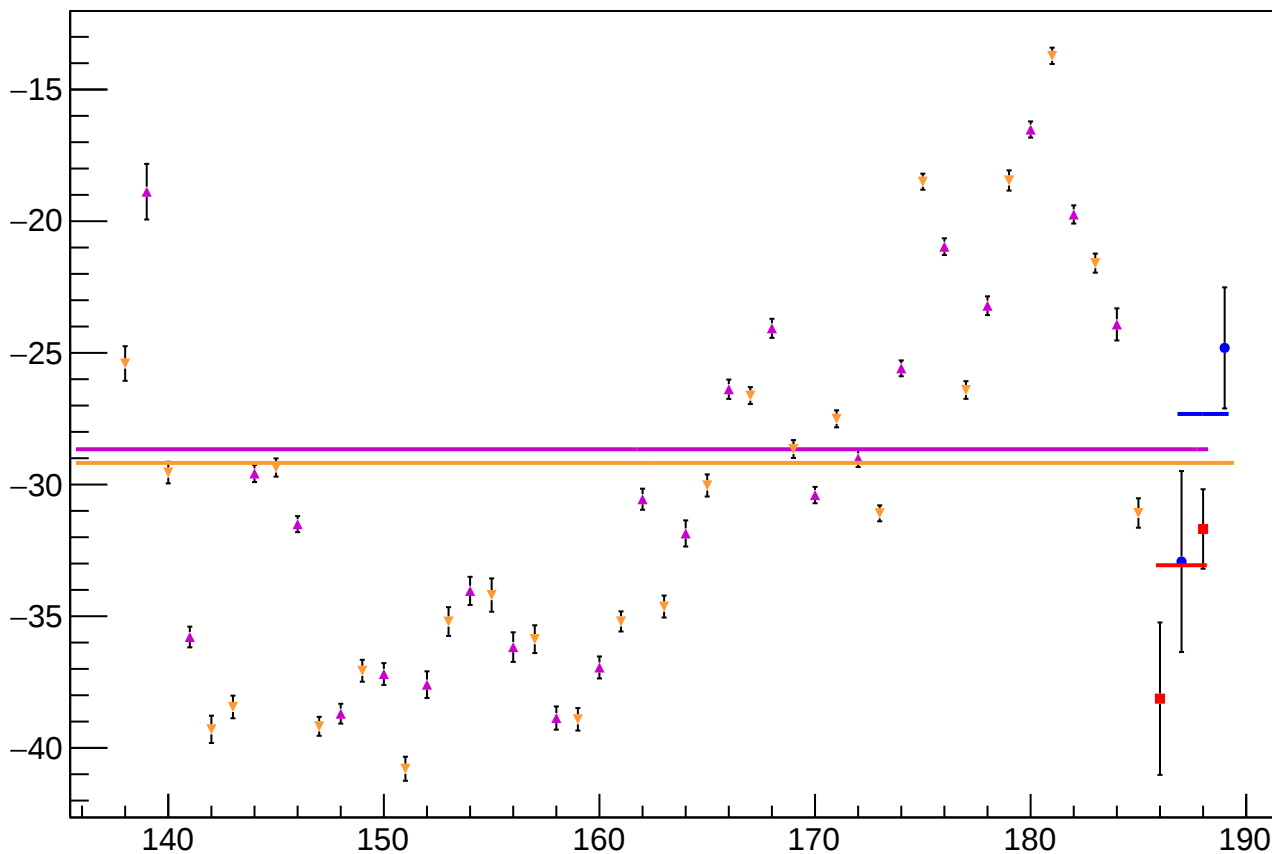
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 29.450 $\pm$ 0.087 χ^2 /NDF: 19907.6/26

All: 29.443 $\pm$ 0.062 χ^2 /NDF: 39415.7/51

- sign 29.436 $\pm$ 0.088 χ^2 /NDF: 19508.1/24

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -27.319 ± 1.910 χ^2/NDF : 3.9/1

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -33.064 ± 1.338 χ^2/NDF : 3.9/1

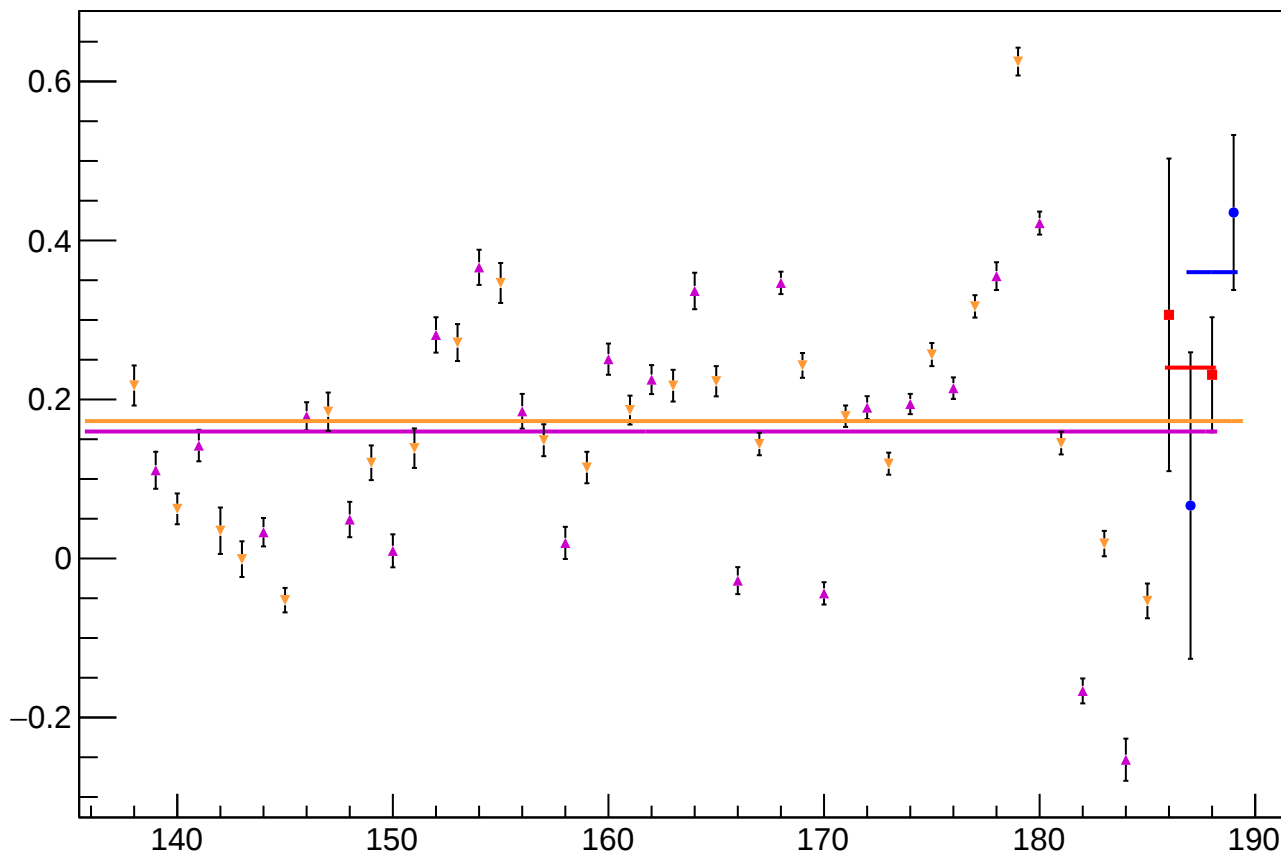
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -29.175 ± 0.078 χ^2/NDF : 9086.2/26

All: -28.930 ± 0.056 χ^2/NDF : 15791.0/51

- sign -28.676 ± 0.080 χ^2/NDF : 6684.8/24

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.360 ± 0.087 $\chi^2/\text{NDF}: 2.9/1$

Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1478.5/24$

Right Out: 0.240 ± 0.068 $\chi^2/\text{NDF}: 0.1/1$

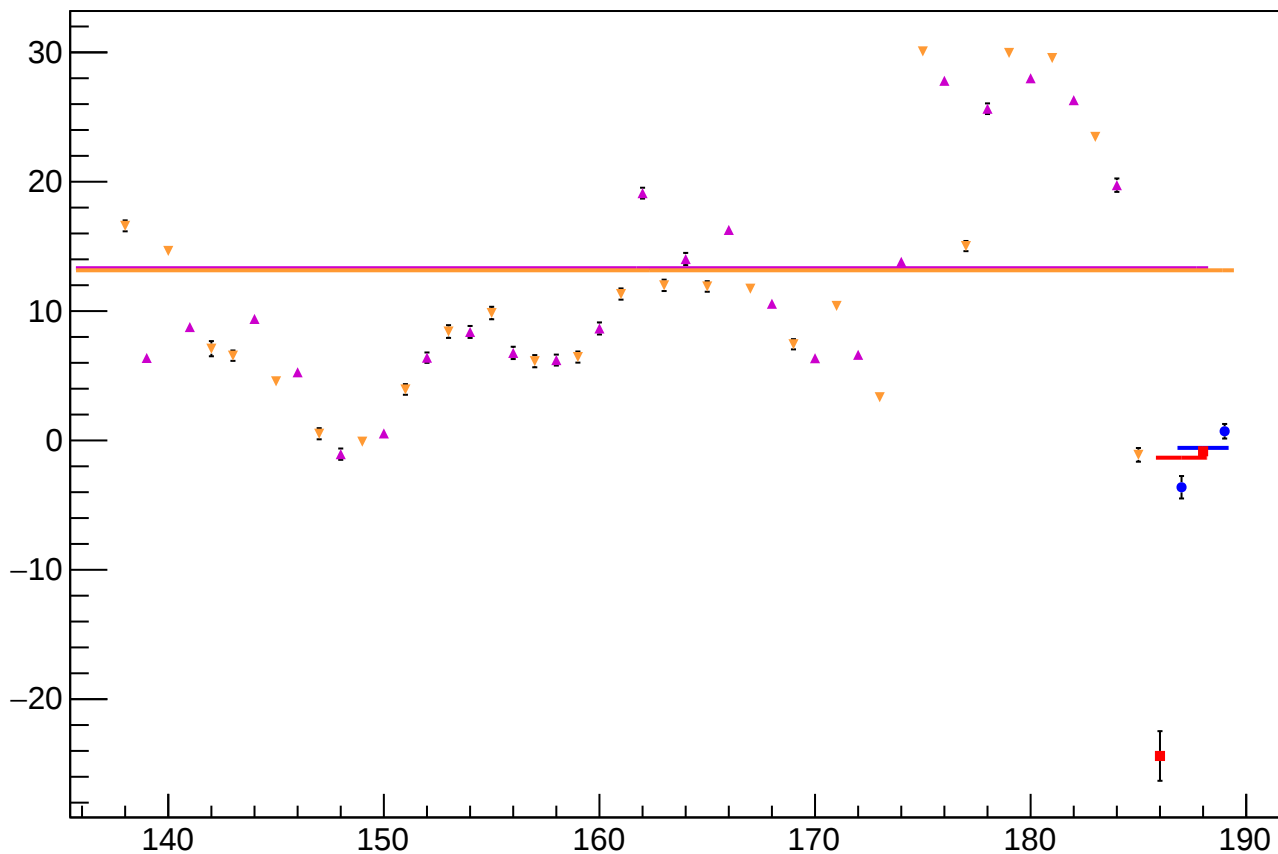
Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2057.9/22$

+ sign 0.173 ± 0.004 $\chi^2/\text{NDF}: 1486.0/26$

All: 0.167 ± 0.003 $\chi^2/\text{NDF}: 3552.1/51$

- sign 0.160 ± 0.004 $\chi^2/\text{NDF}: 2059.4/24$

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: -0.575 ± 0.473 χ^2/NDF : 17.5/1

Left Out: 13.153 ± 0.075 χ^2/NDF : 17079.7/24

Right Out: -1.333 ± 0.279 χ^2/NDF : 147.5/1

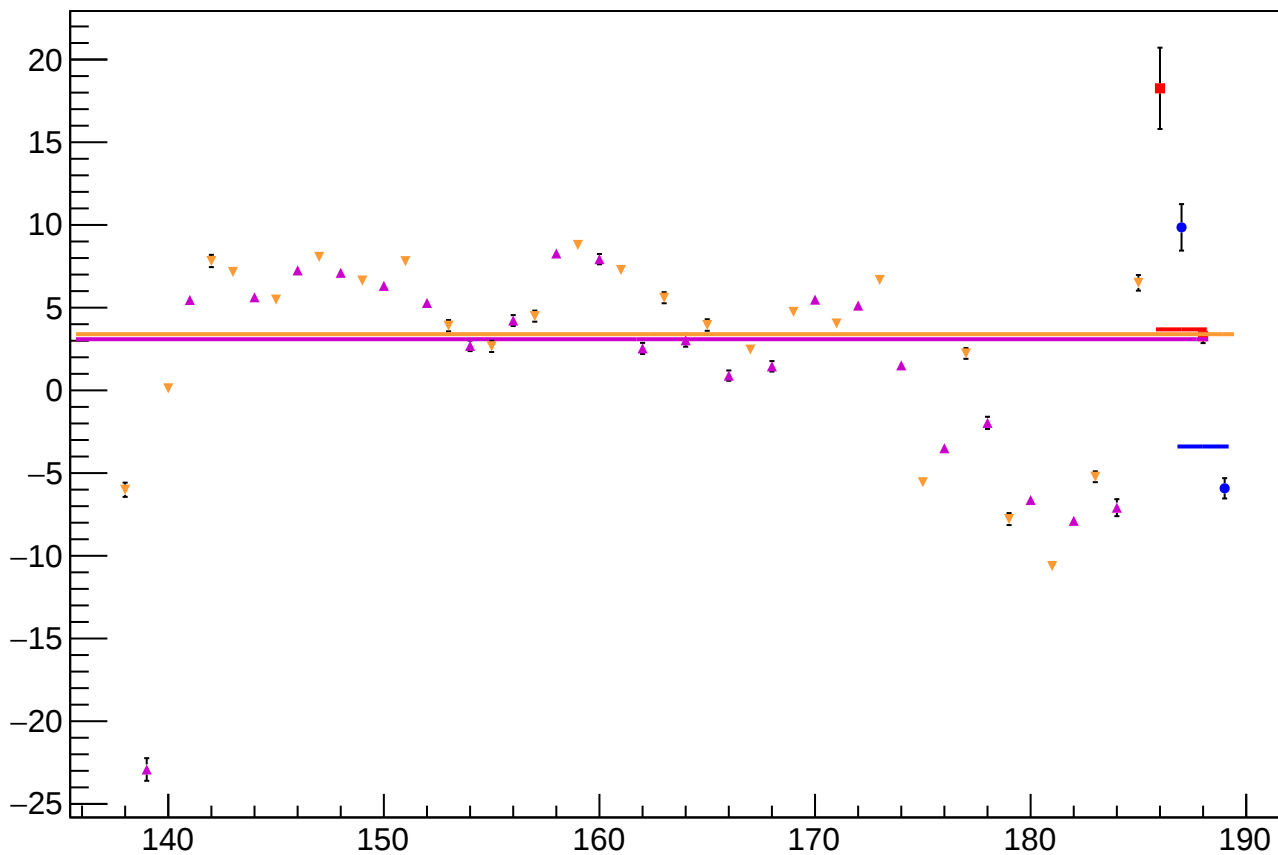
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 12.814 ± 0.074 χ^2/NDF : 17920.2/26

All: 12.545 ± 0.053 χ^2/NDF : 34633.4/51

- sign 12.275 ± 0.074 χ^2/NDF : 16687.0/24

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -3.392 ± 0.563 $\chi^2/\text{NDF}: 105.8/1$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: 3.687 ± 0.409 $\chi^2/\text{NDF}: 36.2/1$

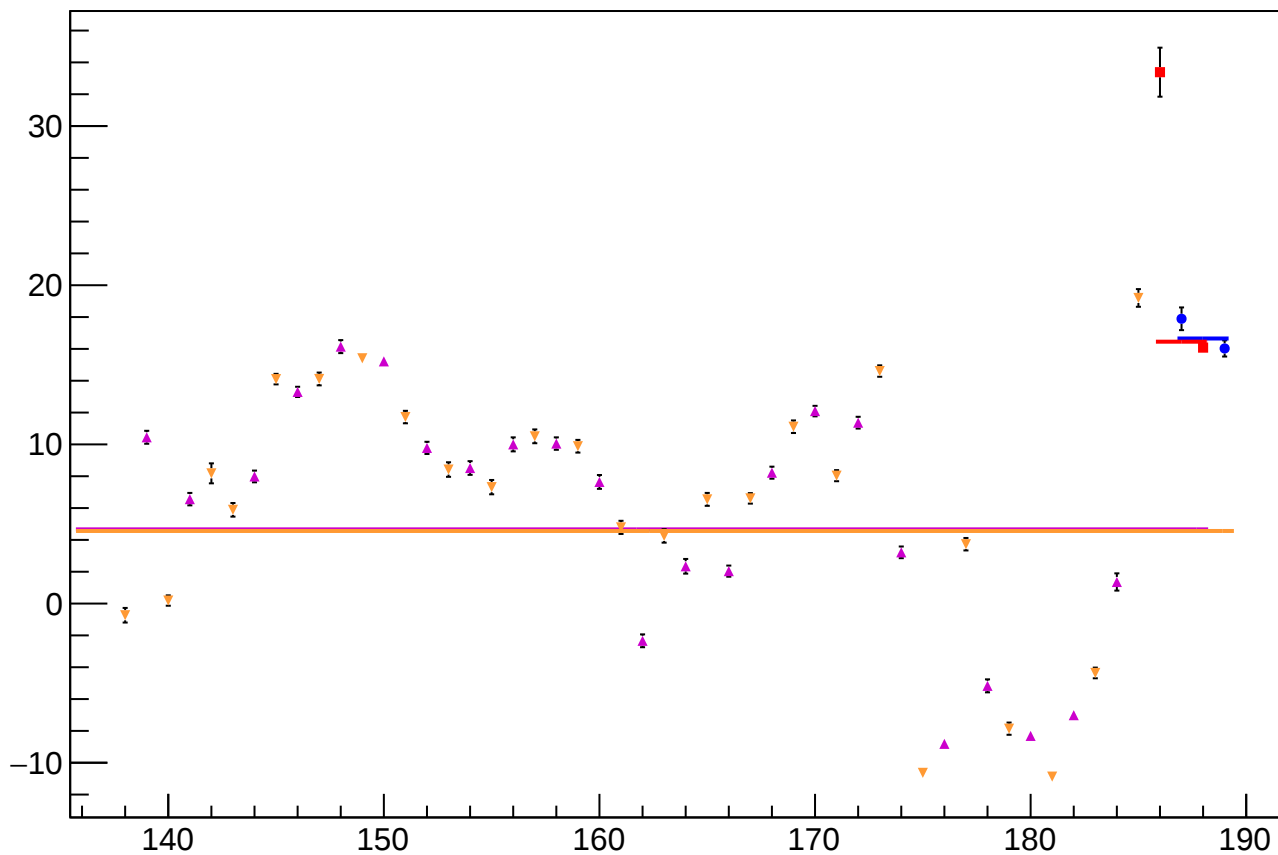
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 3.323 ± 0.058 $\chi^2/\text{NDF}: 8351.3/26$

All: 3.218 ± 0.042 $\chi^2/\text{NDF}: 15500.8/51$

- sign 3.105 ± 0.060 $\chi^2/\text{NDF}: 7142.6/24$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 16.654 $\pm$ 0.413 χ^2 /NDF: 4.5/1

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 16.453 $\pm$ 0.226 χ^2 /NDF: 123.5/1

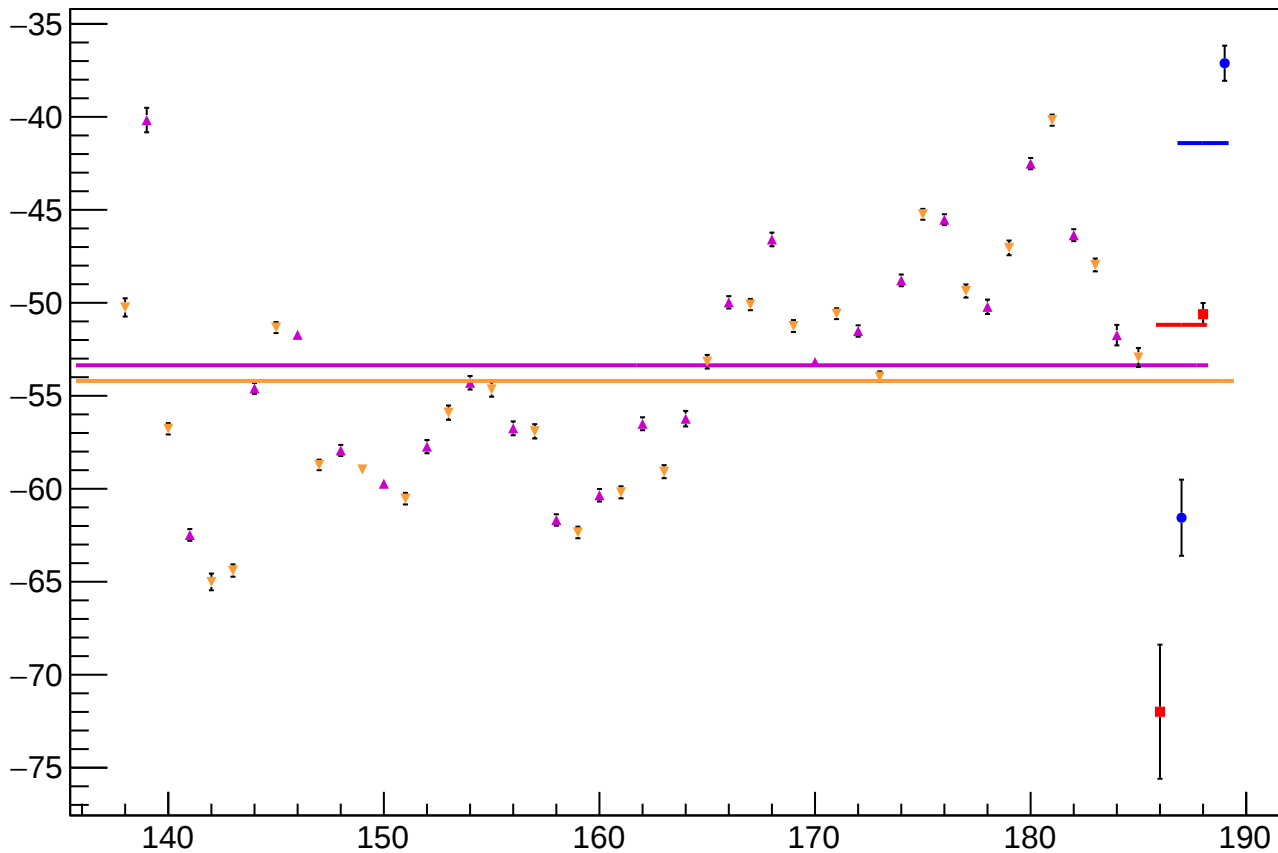
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 4.950 $\pm$ 0.074 χ^2 /NDF: 14424.7/26

All: 5.424 $\pm$ 0.052 χ^2 /NDF: 28346.4/51

- sign 5.881 $\pm$ 0.073 χ^2 /NDF: 13841.4/24

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -41.410 $\pm$ 0.858 χ^2 /NDF: 117.6/1

Left Out: -54.199 $\pm$ 0.066 χ^2 /NDF: 8454.7/24

Right Out: -51.184 $\pm$ 0.591 χ^2 /NDF: 34.2/1

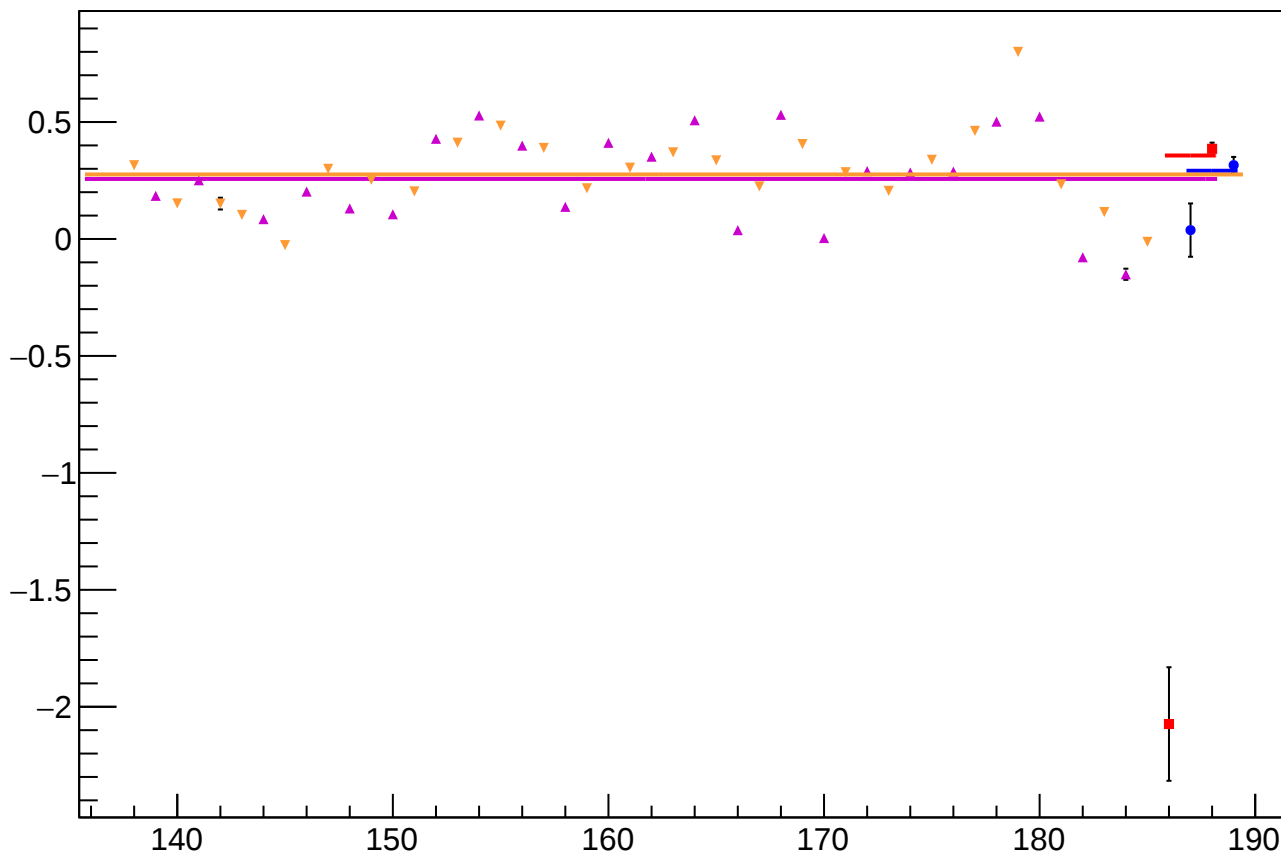
Left In: -53.359 $\pm$ 0.068 χ^2 /NDF: 6882.0/22

+ sign -54.123 $\pm$ 0.066 χ^2 /NDF: 8793.2/26

All: -53.737 $\pm$ 0.047 χ^2 /NDF: 15792.6/51

- sign -53.330 $\pm$ 0.068 χ^2 /NDF: 6929.6/24

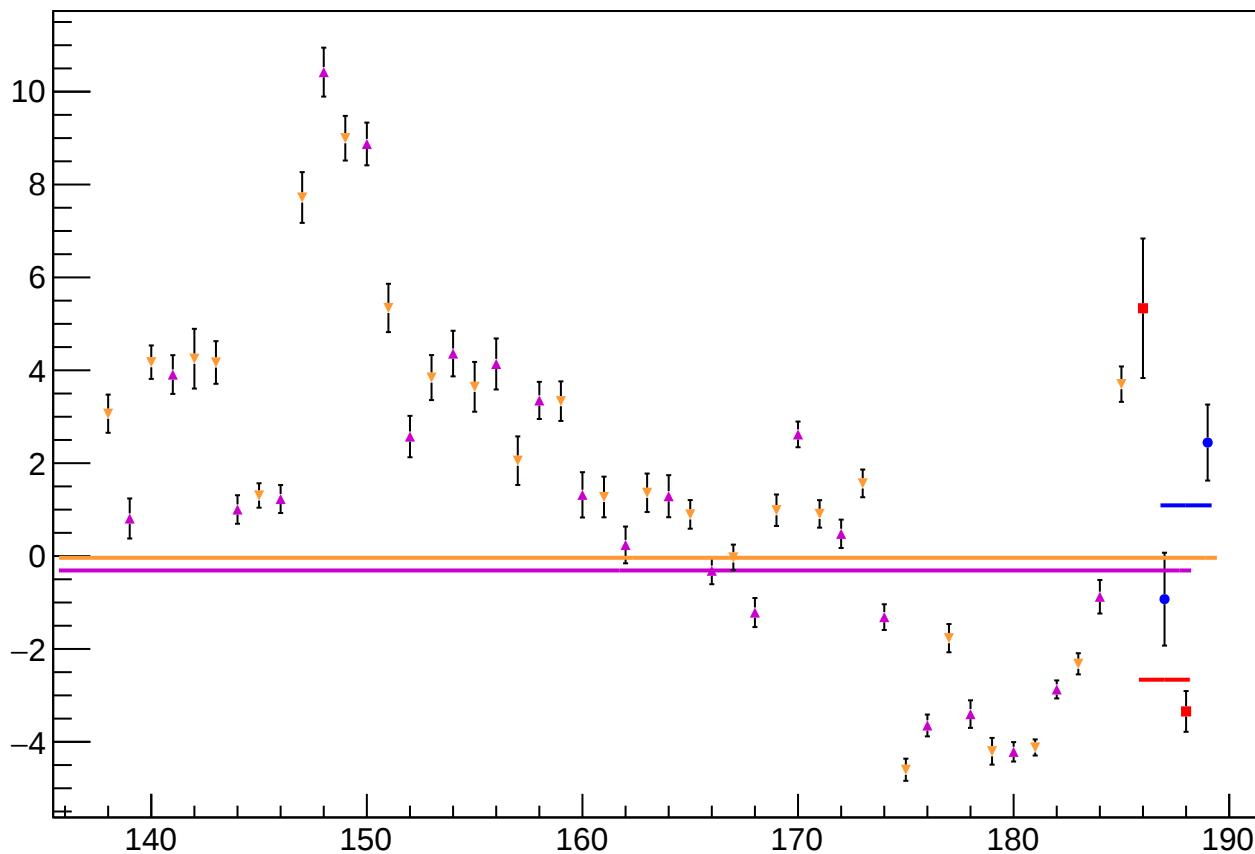
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.292 ± 0.034 $\chi^2/\text{NDF}: 5.4/1$
 Left Out: 0.276 ± 0.003 $\chi^2/\text{NDF}: 2623.6/24$
 Right Out: 0.357 ± 0.026 $\chi^2/\text{NDF}: 101.4/1$
 Left In: 0.257 ± 0.003 $\chi^2/\text{NDF}: 3623.9/22$

+ sign 0.276 ± 0.003 $\chi^2/\text{NDF}: 2629.2/26$
 All: 0.267 ± 0.002 $\chi^2/\text{NDF}: 6386.2/51$
 - sign 0.258 ± 0.003 $\chi^2/\text{NDF}: 3739.7/24$

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.092 $\pm$ 0.633 χ^2 /NDF: 6.8/1

Left Out: -0.037 $\pm$ 0.066 χ^2 /NDF: 2637.7/24

Right Out: -2.662 $\pm$ 0.421 χ^2 /NDF: 30.8/1

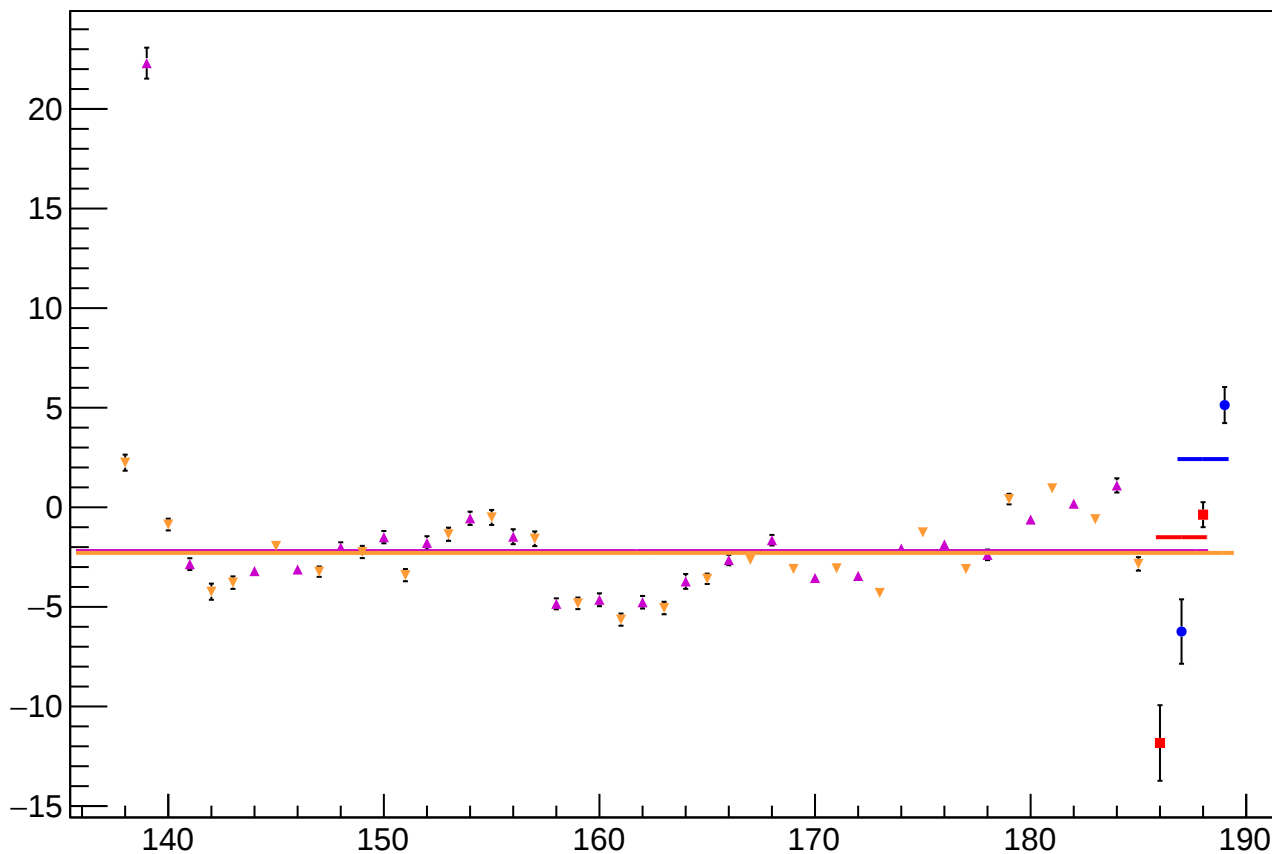
Left In: -0.310 $\pm$ 0.067 χ^2 /NDF: 2250.5/22

+ sign -0.025 $\pm$ 0.066 χ^2 /NDF: 2647.6/26

All: -0.195 $\pm$ 0.047 χ^2 /NDF: 4972.8/51

- sign -0.369 $\pm$ 0.066 χ^2 /NDF: 2311.6/24

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 2.422 ± 0.790 χ^2/NDF : 37.6/1

Left Out: -2.288 ± 0.054 χ^2/NDF : 1137.7/24

Right Out: -1.501 ± 0.596 χ^2/NDF : 32.9/1

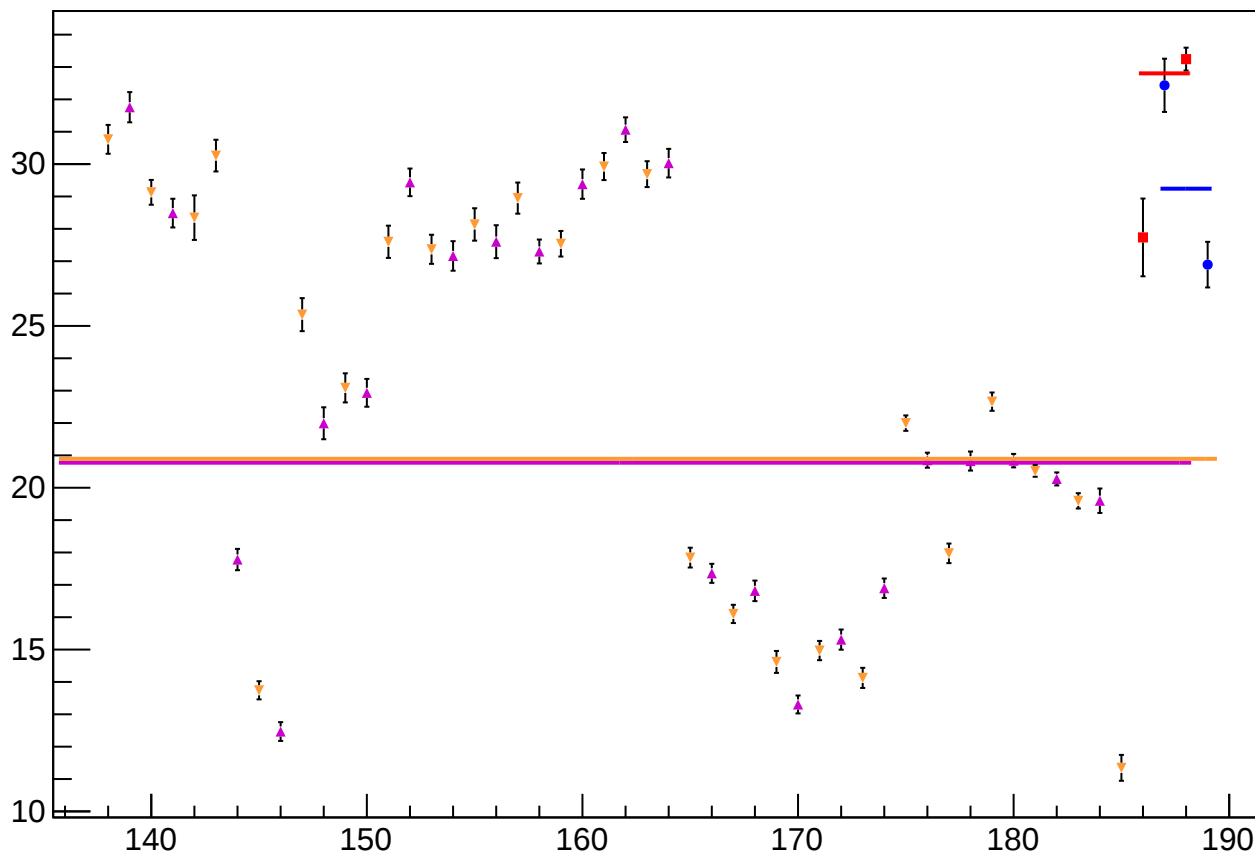
Left In: -2.198 ± 0.055 χ^2/NDF : 1673.9/22

+ sign -2.266 ± 0.054 χ^2/NDF : 1210.7/26

All: -2.230 ± 0.038 χ^2/NDF : 2919.8/51

- sign -2.192 ± 0.055 χ^2/NDF : 1708.1/24

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 29.240 $\pm$ 0.535 χ^2 /NDF: 26.2/1

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF: 6655.4/24

Right Out: 32.804 $\pm$ 0.340 χ^2 /NDF: 19.3/1

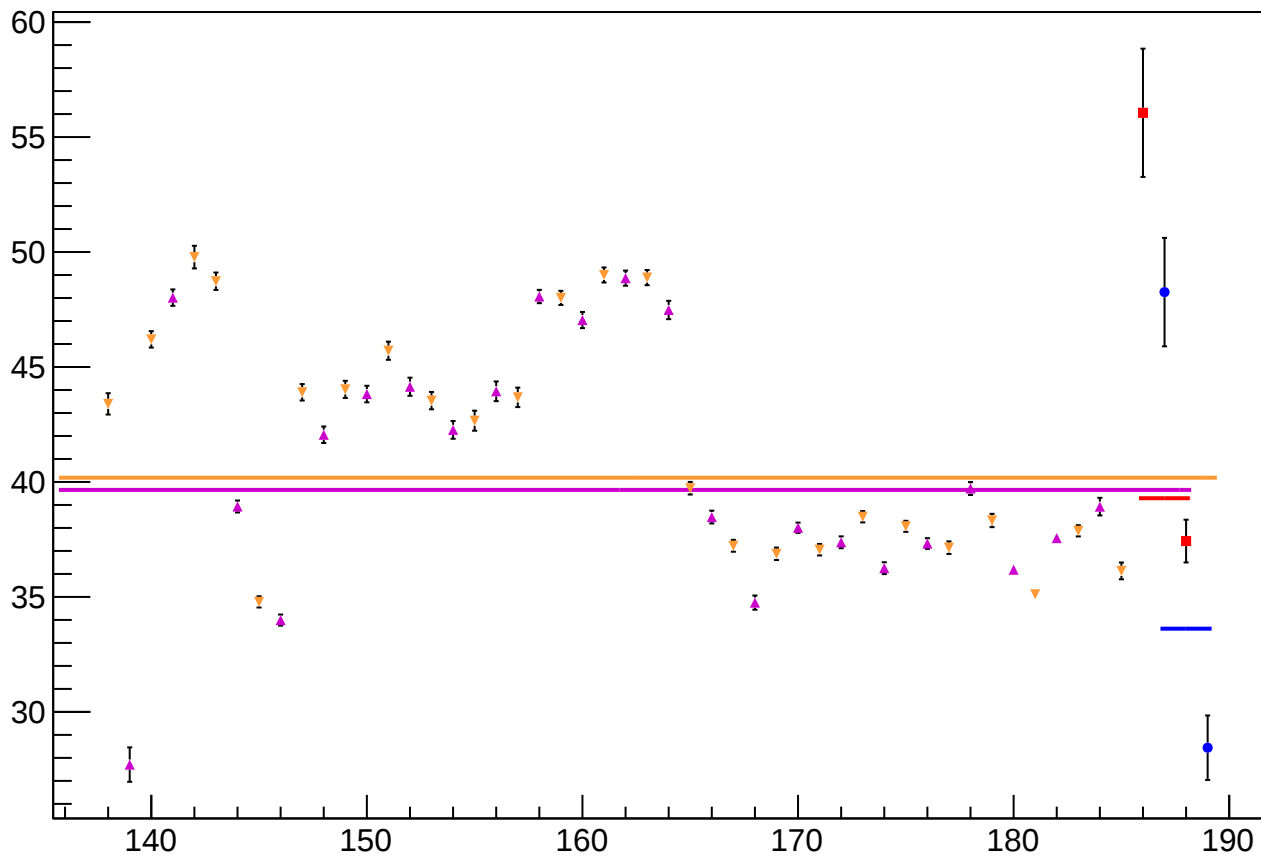
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF: 5927.9/22

+ sign 21.022 $\pm$ 0.066 χ^2 /NDF: 6921.1/26

All: 21.127 $\pm$ 0.047 χ^2 /NDF: 14080.9/51

- sign 21.232 $\pm$ 0.066 χ^2 /NDF: 7154.7/24

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 33.620 $\pm$ 1.205 χ^2 /NDF: 52.2/1

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 39.293 $\pm$ 0.882 χ^2 /NDF: 40.1/1

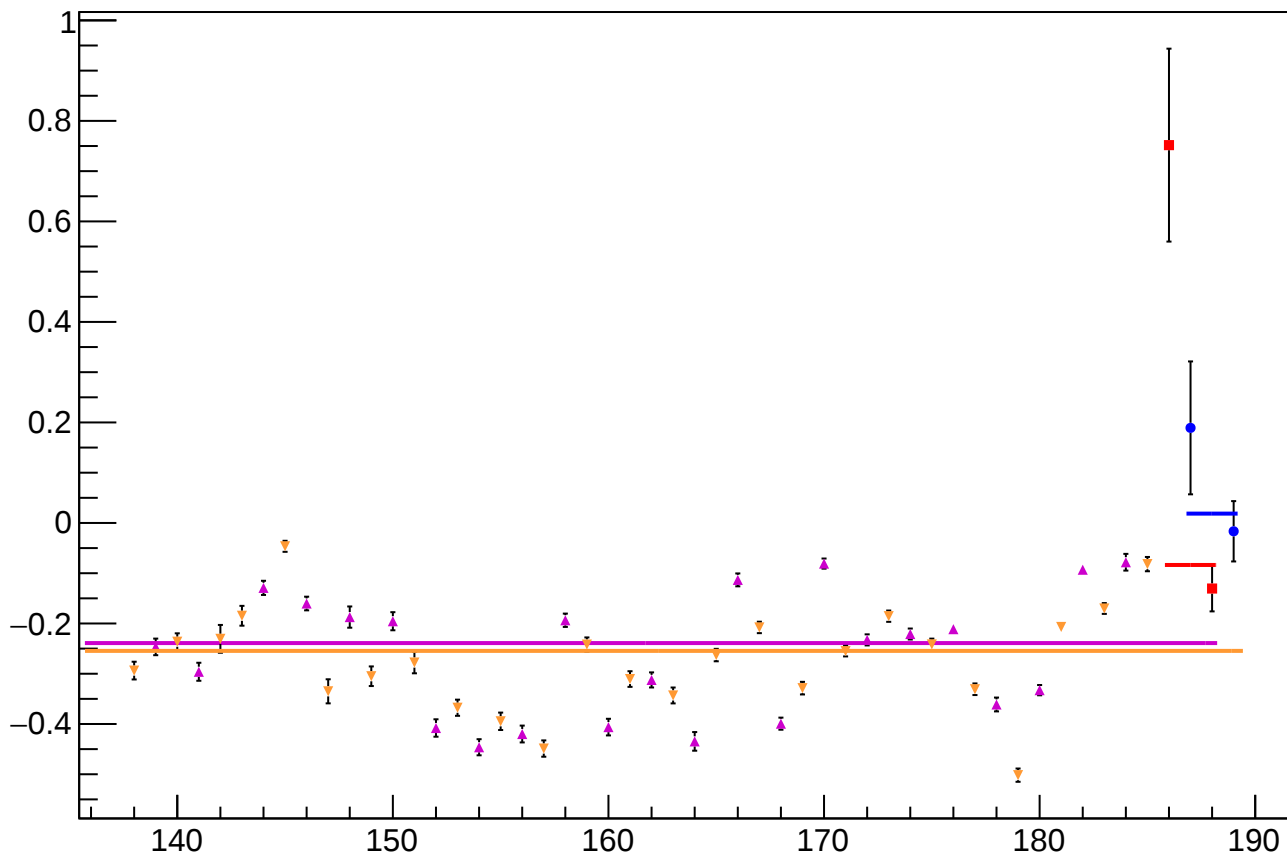
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 40.170 $\pm$ 0.060 χ^2 /NDF: 6014.4/26

All: 39.916 $\pm$ 0.043 χ^2 /NDF: 11389.3/51

- sign 39.653 $\pm$ 0.061 χ^2 /NDF: 5338.9/24

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.019 ± 0.055 $\chi^2/\text{NDF}: 2.0/1$

Left Out: -0.255 ± 0.003 $\chi^2/\text{NDF}: 1420.4/24$

Right Out: -0.084 ± 0.044 $\chi^2/\text{NDF}: 20.0/1$

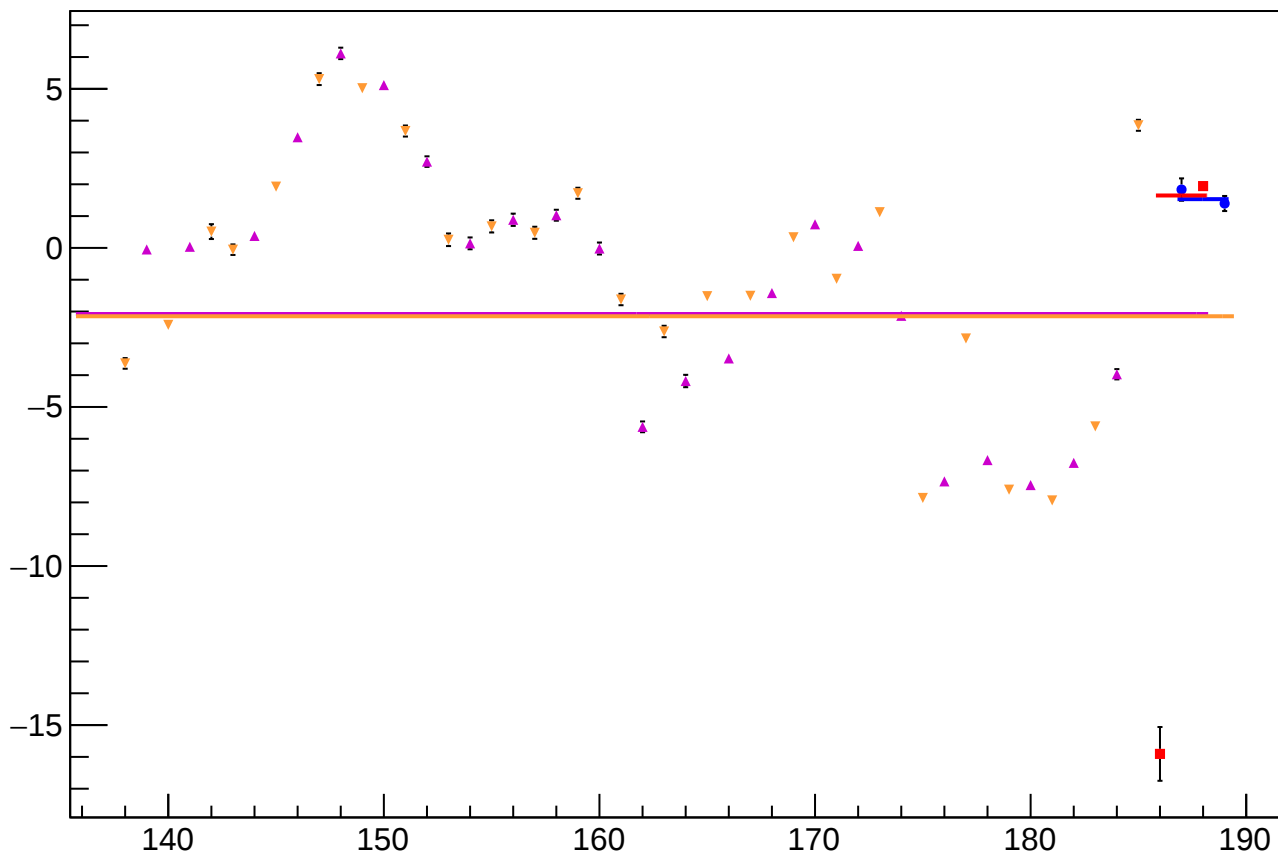
Left In: -0.239 ± 0.003 $\chi^2/\text{NDF}: 1750.5/22$

+ sign -0.254 ± 0.003 $\chi^2/\text{NDF}: 1447.4/26$

All: -0.246 ± 0.002 $\chi^2/\text{NDF}: 3245.9/51$

- sign -0.238 ± 0.003 $\chi^2/\text{NDF}: 1782.8/24$

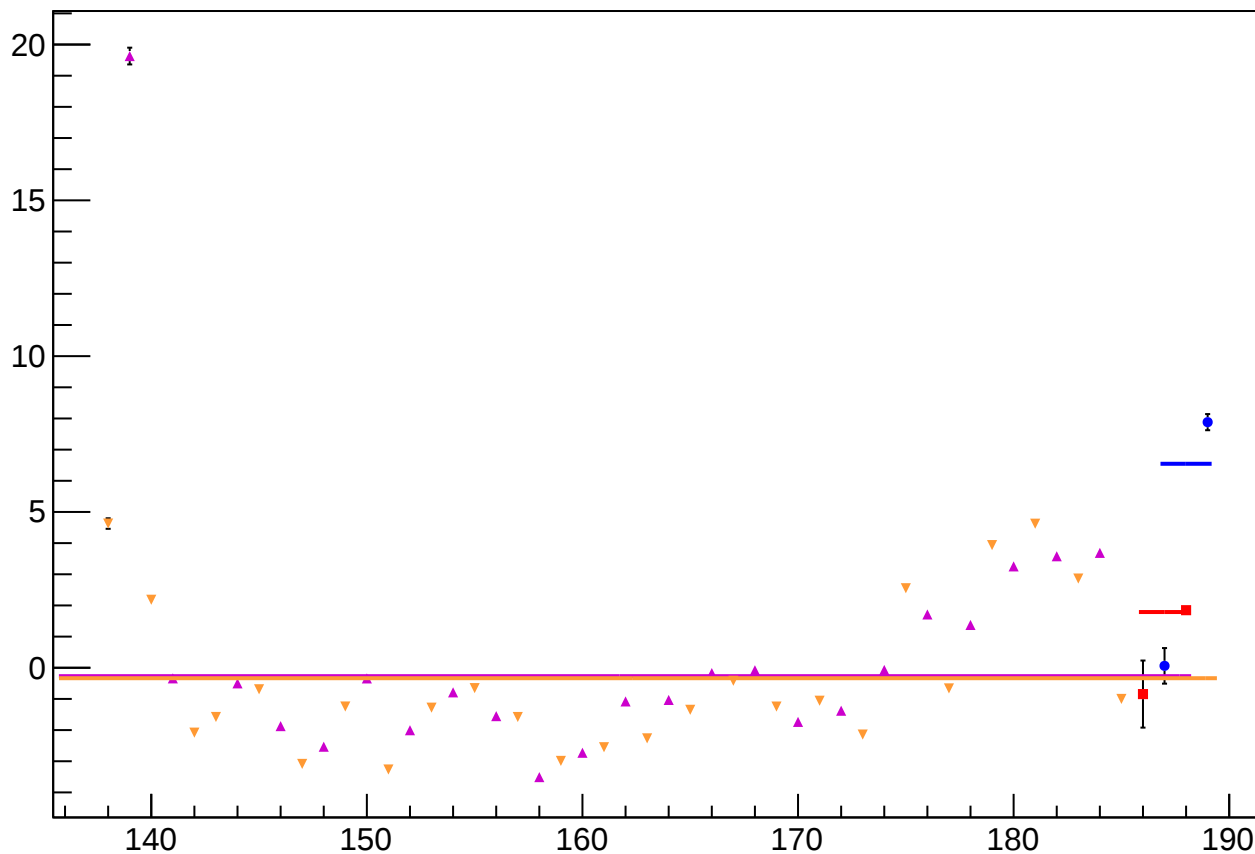
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.533 $\pm$ 0.197 χ^2 /NDF: 1.1/1
 Left Out: -2.149 $\pm$ 0.026 χ^2 /NDF: 24536.3/24
 Right Out: 1.648 $\pm$ 0.109 χ^2 /NDF: 438.4/1
 Left In: -2.078 $\pm$ 0.026 χ^2 /NDF: 23245.8/22

+ sign -2.087 $\pm$ 0.025 χ^2 /NDF: 24882.2/26
 All: -1.981 $\pm$ 0.018 χ^2 /NDF: 49711.0/51
 - sign -1.876 $\pm$ 0.025 χ^2 /NDF: 24794.1/24

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 6.546 ± 0.236 χ^2/NDF : 155.6/1

Left Out: -0.335 ± 0.021 χ^2/NDF : 12596.1/24

Right Out: 1.789 ± 0.160 χ^2/NDF : 6.1/1

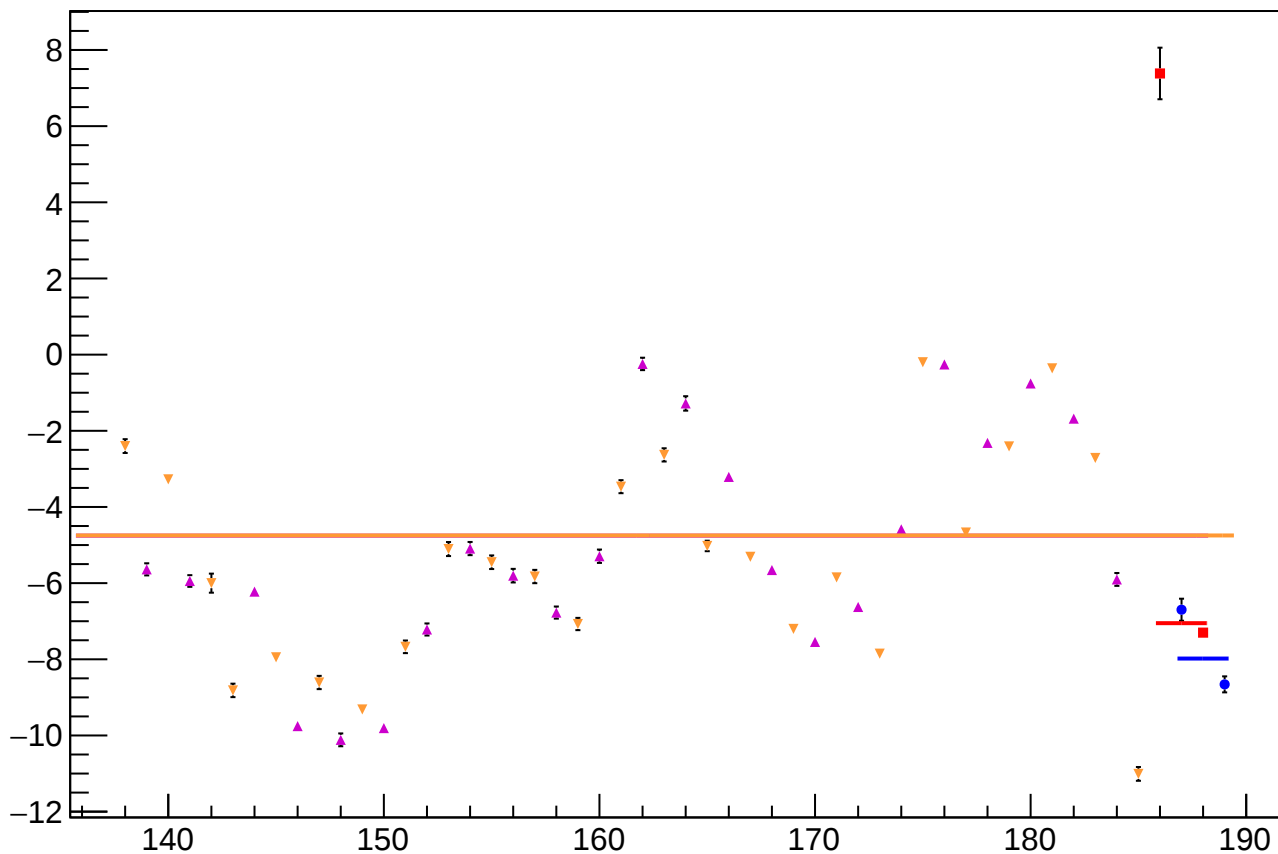
Left In: -0.269 ± 0.021 χ^2/NDF : 13323.1/22

+ sign -0.283 ± 0.021 χ^2/NDF : 13596.0/26

All: -0.259 ± 0.015 χ^2/NDF : 27091.4/51

- sign -0.235 ± 0.021 χ^2/NDF : 13492.6/24

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -7.980 ± 0.170 χ^2/NDF : 30.0/1

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -7.051 ± 0.088 χ^2/NDF : 462.0/1

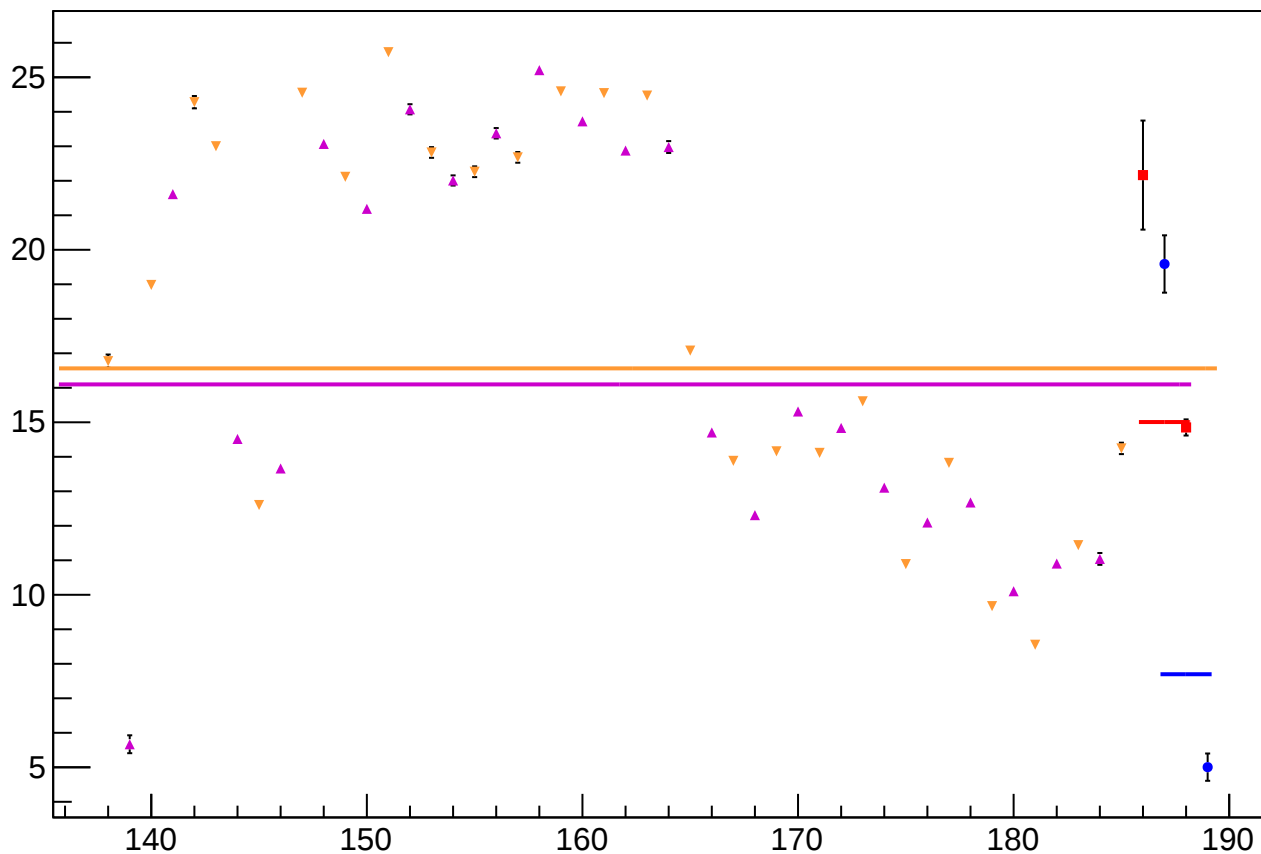
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.821 ± 0.026 χ^2/NDF : 13672.8/26

All: -4.881 ± 0.018 χ^2/NDF : 28889.6/51

- sign -4.939 ± 0.025 χ^2/NDF : 15205.9/24

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 7.698 ± 0.357 χ^2/NDF : 251.0/1

Left Out: 16.563 ± 0.023 χ^2/NDF : 53858.5/24

Right Out: 15.007 ± 0.231 χ^2/NDF : 21.0/1

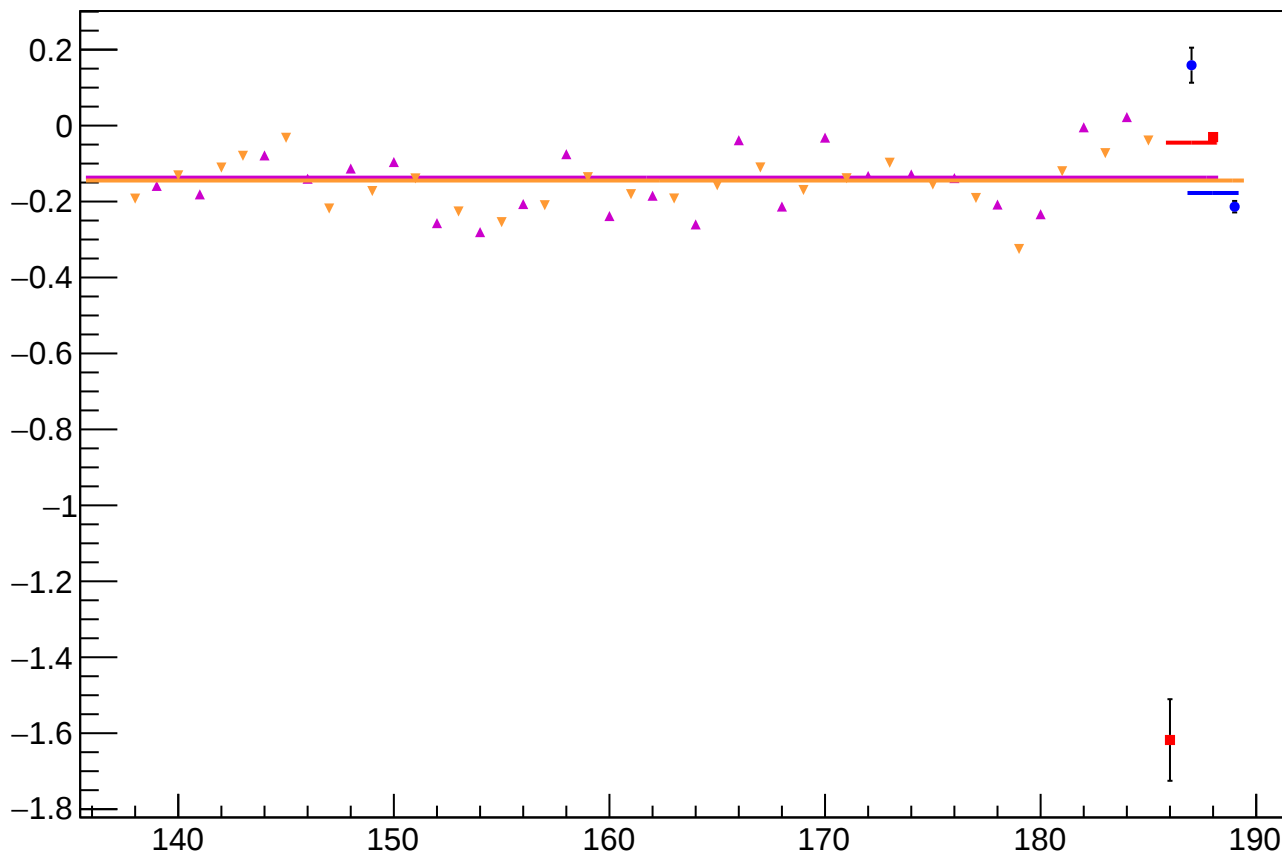
Left In: 16.098 ± 0.024 χ^2/NDF : 42345.7/22

+ sign 16.526 ± 0.023 χ^2/NDF : 54722.9/26

All: 16.310 ± 0.016 χ^2/NDF : 97289.1/51

- sign 16.087 ± 0.023 χ^2/NDF : 42388.6/24

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.014 χ^2/NDF : 58.8/1

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.045 ± 0.010 χ^2/NDF : 216.3/1

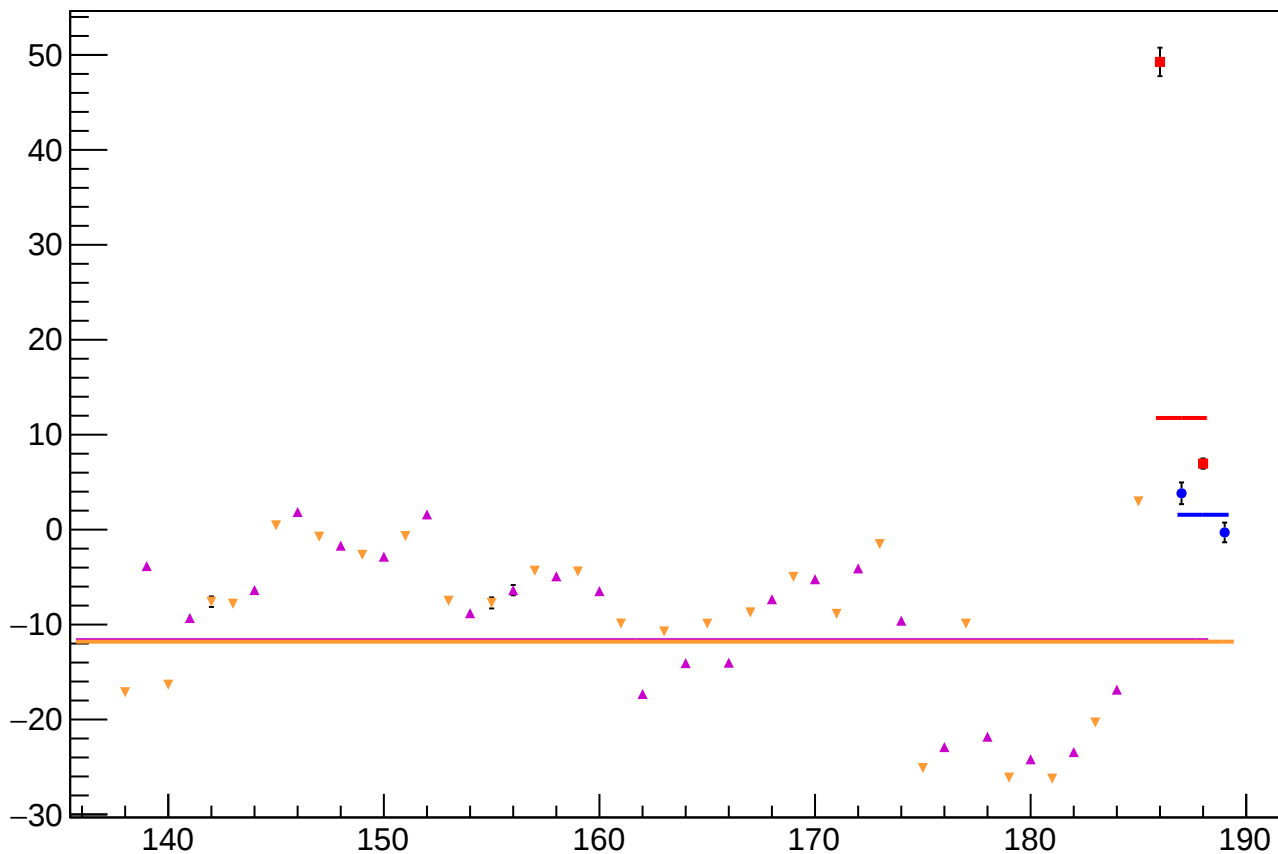
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.145 ± 0.001 χ^2/NDF : 3833.6/26

All: -0.141 ± 0.001 χ^2/NDF : 9554.6/51

- sign -0.136 ± 0.001 χ^2/NDF : 5687.0/24

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 1.566 $\pm$ 0.768 χ^2 /NDF: 7.1/1

Left Out: -11.801 $\pm$ 0.070 χ^2 /NDF:17308.2/24

Right Out: 11.763 $\pm$ 0.505 χ^2 /NDF: 705.5/1

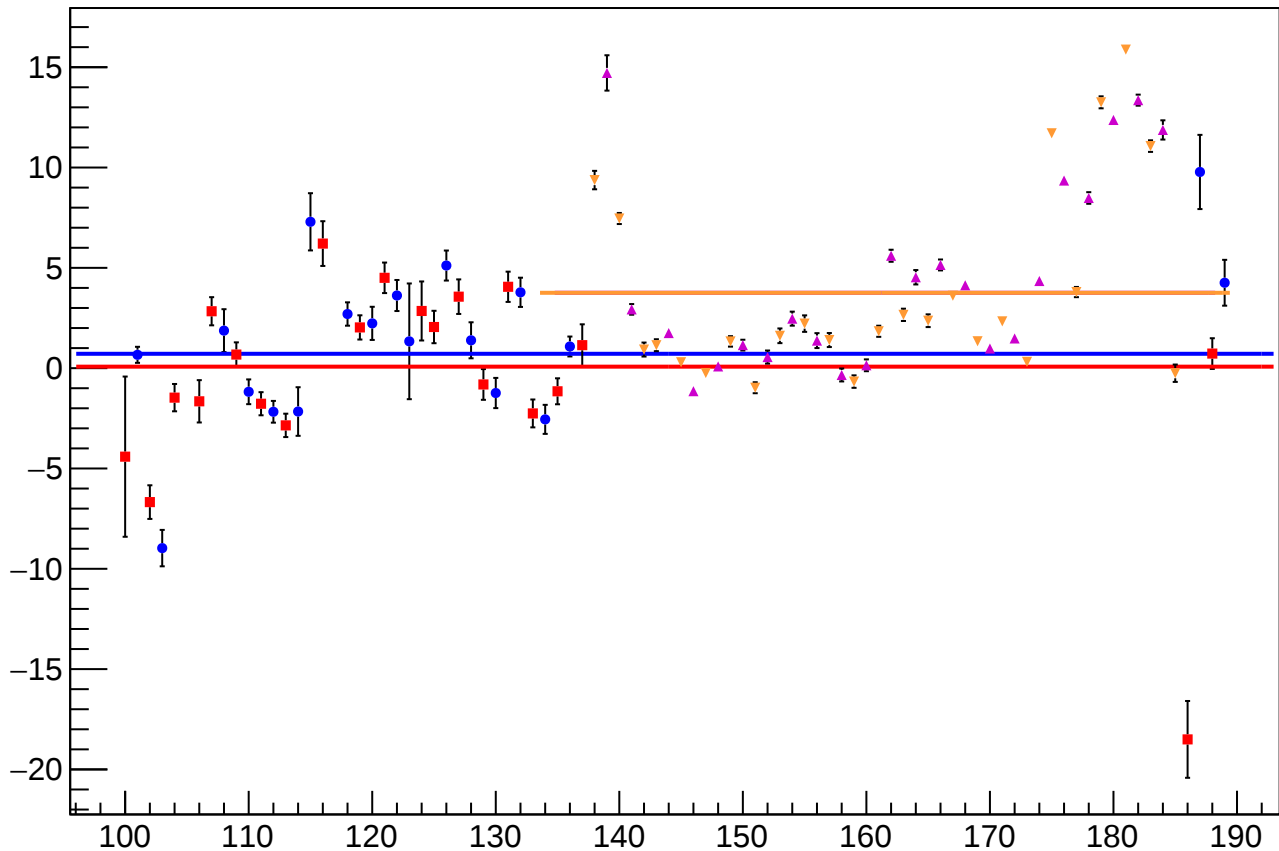
Left In: -11.642 $\pm$ 0.072 χ^2 /NDF:14121.2/22

+ sign -11.690 $\pm$ 0.070 χ^2 /NDF: 17615.9/26

All: -11.439 $\pm$ 0.050 χ^2 /NDF: 34570.5/51

- sign -11.182 $\pm$ 0.071 χ^2 /NDF: 16928.5/24

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.717 ± 0.168 χ^2/NDF : 323.1/18

Left Out: 3.757 ± 0.056 χ^2/NDF : 7450.7/24

Right Out: 0.075 ± 0.170 χ^2/NDF : 366.6/20

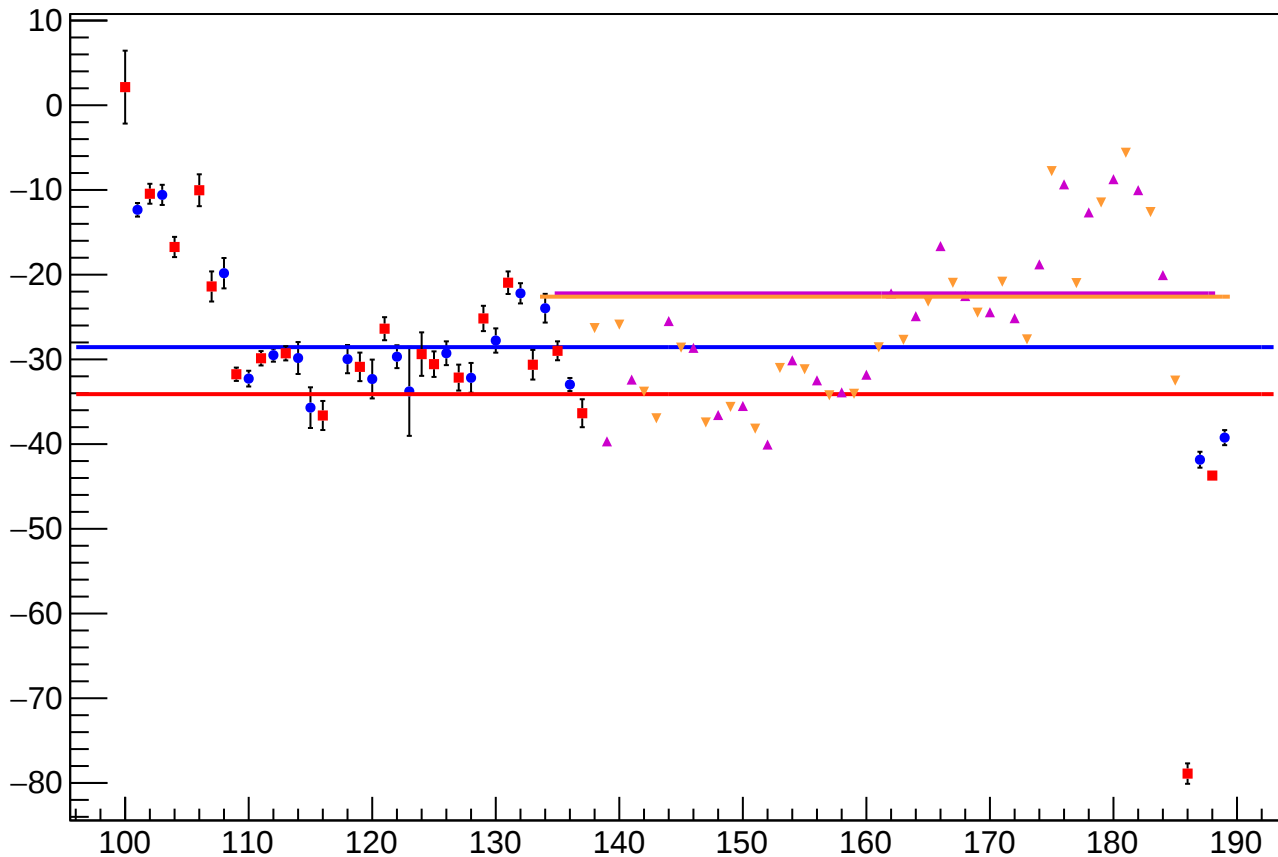
Left In: 3.757 ± 0.057 χ^2/NDF : 5629.4/22

+ sign 3.457 ± 0.053 χ^2/NDF : 8069.4/43

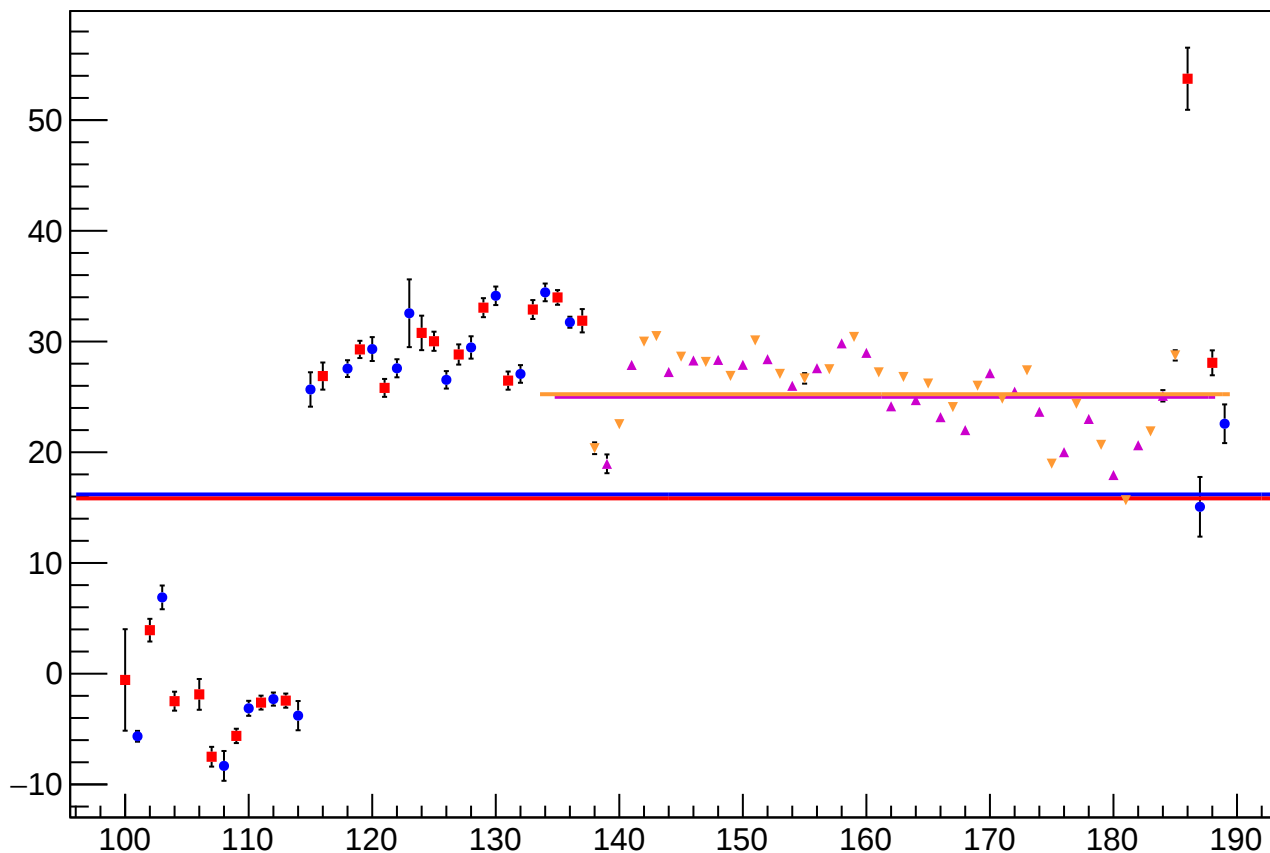
All: 3.423 ± 0.038 χ^2/NDF : 14489.4/87

- sign 3.389 ± 0.054 χ^2/NDF : 6419.2/43

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.187 $\pm$ 0.191 χ^2 /NDF: 7555.8/18

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.832 $\pm$ 0.194 χ^2 /NDF: 7570.5/20

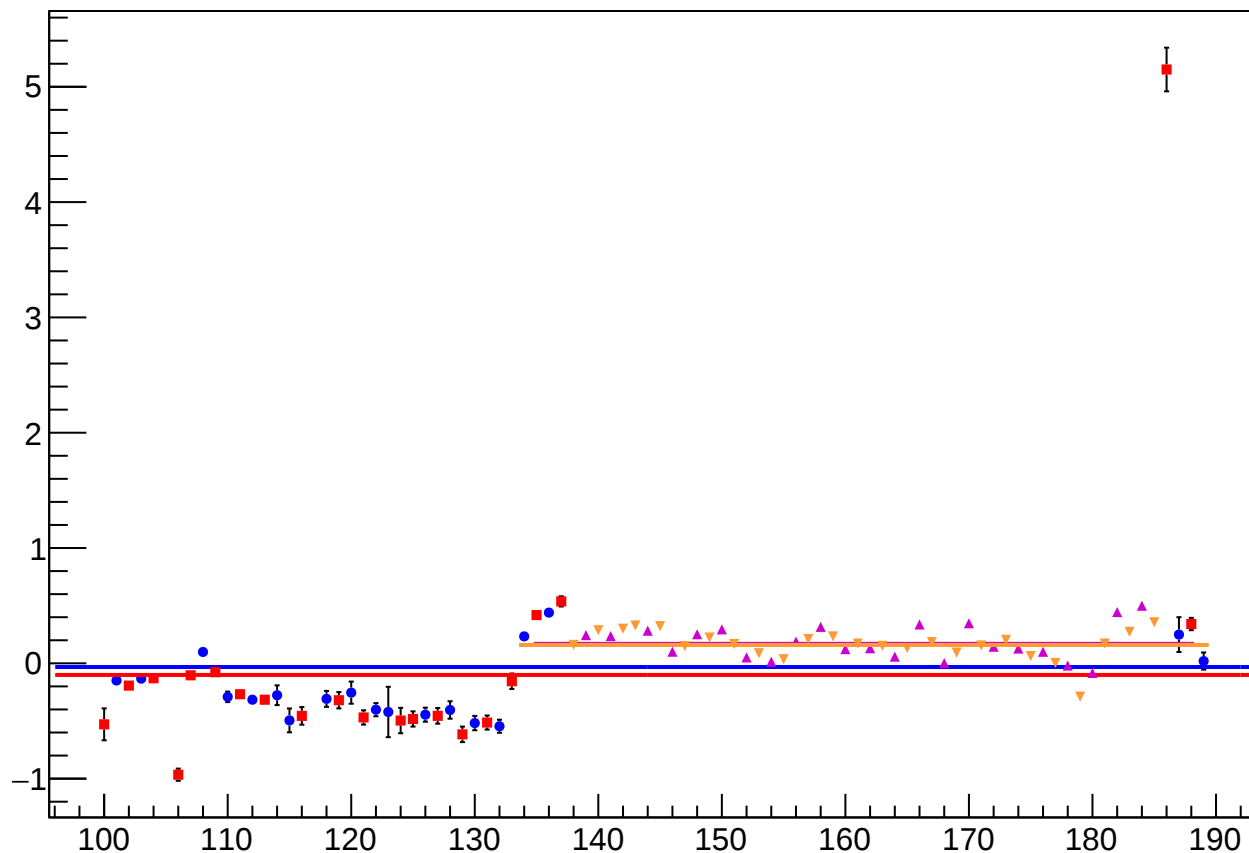
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.361 $\pm$ 0.059 χ^2 /NDF: 13376.1/43

All: 24.239 $\pm$ 0.042 χ^2 /NDF: 25697.4/87

- sign 24.112 $\pm$ 0.061 χ^2 /NDF: 12312.6/43

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.032 ± 0.010 $\chi^2/\text{NDF}: 1015.4/18$

Left Out: 0.159 ± 0.003 $\chi^2/\text{NDF}: 1864.2/24$

Right Out: -0.101 ± 0.010 $\chi^2/\text{NDF}: 2006.6/20$

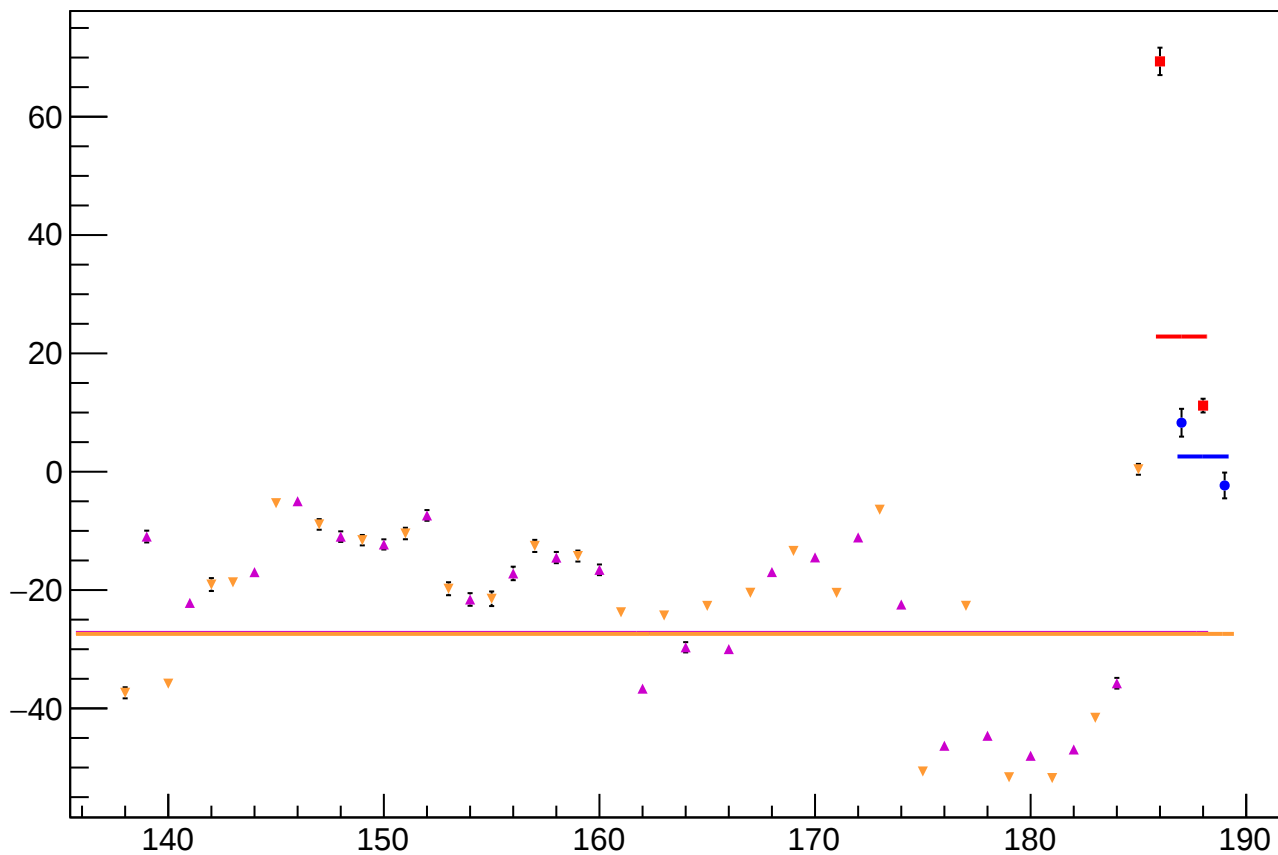
Left In: 0.169 ± 0.003 $\chi^2/\text{NDF}: 2418.8/22$

+ sign 0.145 ± 0.003 $\chi^2/\text{NDF}: 3204.5/43$

All: 0.147 ± 0.002 $\chi^2/\text{NDF}: 8279.0/87$

- sign 0.148 ± 0.003 $\chi^2/\text{NDF}: 5074.0/43$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: 2.575 $\pm$ 1.598 χ^2 /NDF: 11.0/1

Left Out: -27.408 $\pm$ 0.137 χ^2 /NDF:14850.5/24

Right Out: 22.847 $\pm$ 1.038 χ^2 /NDF: 503.8/1

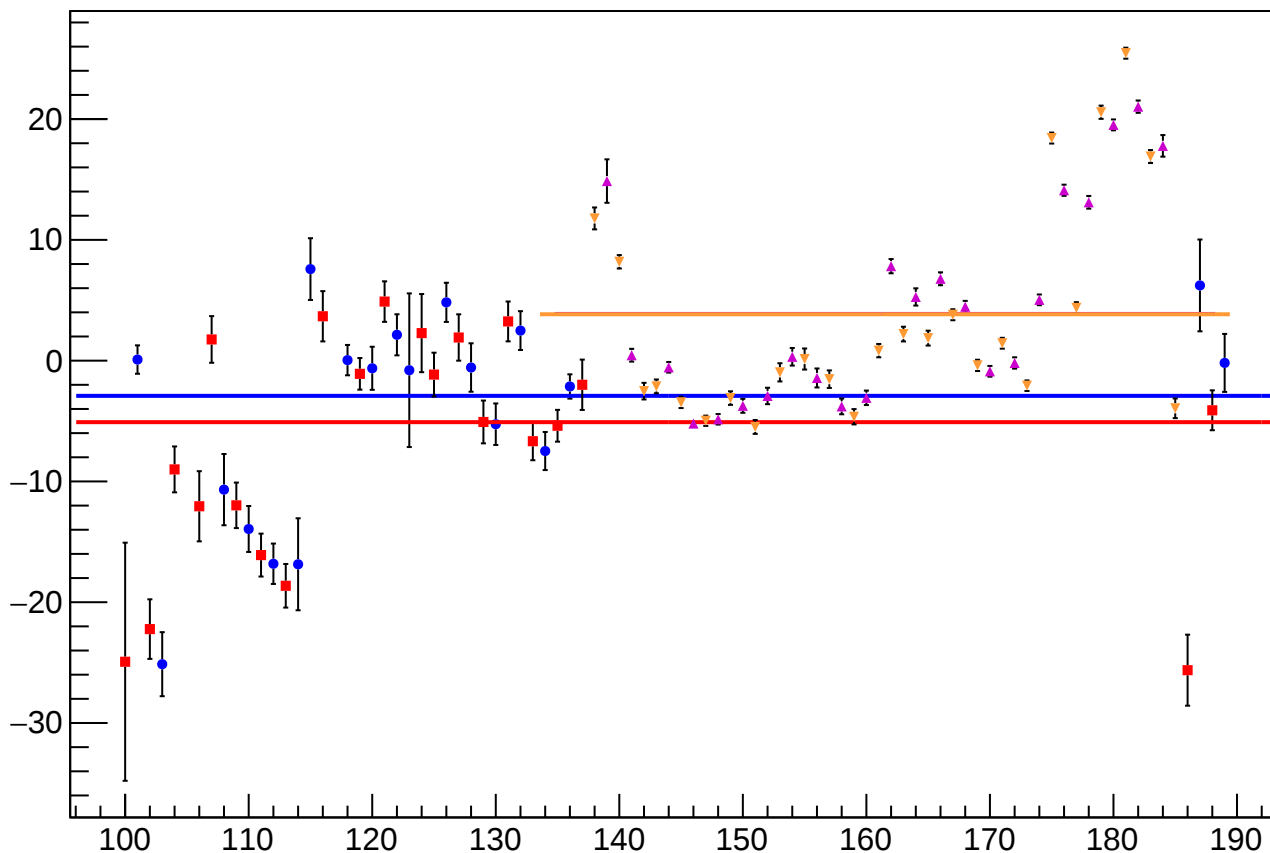
Left In: -27.243 $\pm$ 0.139 χ^2 /NDF:11305.2/22

+ sign -27.189 $\pm$ 0.136 χ^2 /NDF: 15211.1/26

All: -26.778 $\pm$ 0.097 χ^2 /NDF: 29325.8/51

- sign -26.356 $\pm$ 0.138 χ^2 /NDF: 14096.3/24

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.403 $\chi^2/\text{NDF}: 286.1/18$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -5.093 ± 0.409 $\chi^2/\text{NDF}: 346.7/20$

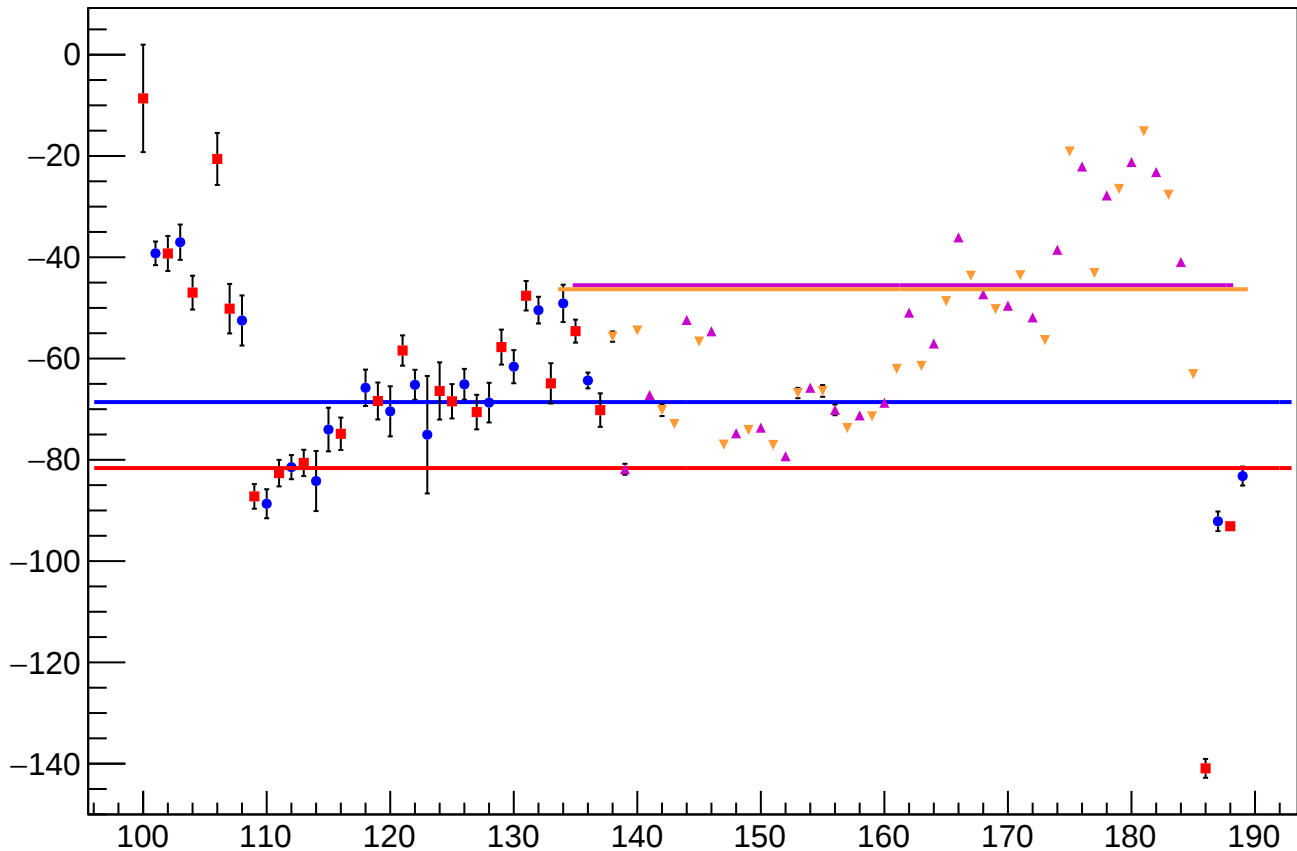
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.380 ± 0.105 $\chi^2/\text{NDF}: 7486.6/43$

All: 3.316 ± 0.075 $\chi^2/\text{NDF}: 13703.7/87$

- sign 3.251 ± 0.107 $\chi^2/\text{NDF}: 6216.4/43$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -68.598 ± 0.649 $\chi^2/\text{NDF}: 637.6/18$

Left Out: -46.318 ± 0.138 $\chi^2/\text{NDF}: 20134.6/24$

Right Out: -81.629 ± 0.560 $\chi^2/\text{NDF}: 2124.1/20$

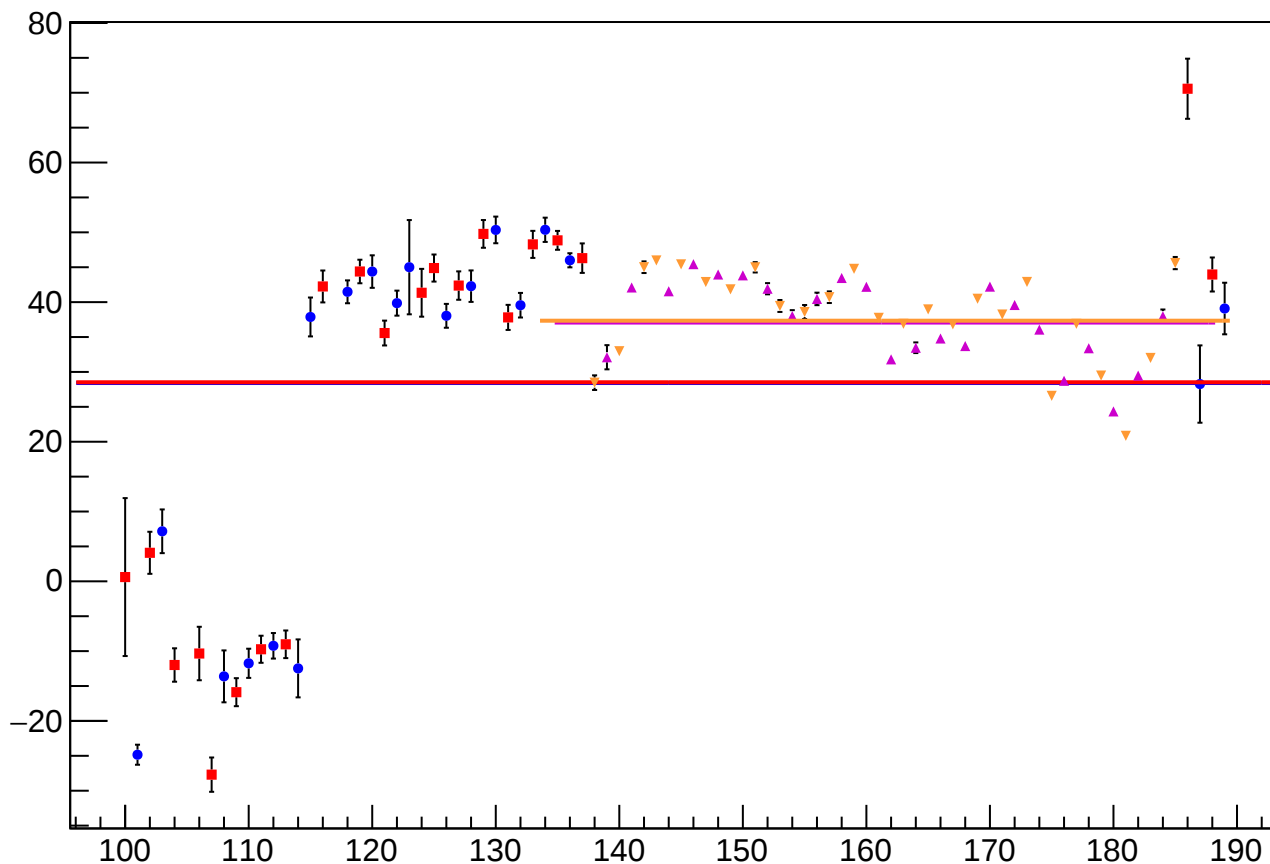
Left In: -45.522 ± 0.140 $\chi^2/\text{NDF}: 17525.4/22$

+ sign -47.280 ± 0.135 $\chi^2/\text{NDF}: 21898.4/43$

All: -47.459 ± 0.096 $\chi^2/\text{NDF}: 45467.6/87$

- sign -47.640 ± 0.136 $\chi^2/\text{NDF}: 23565.7/43$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.412 $\pm$ 0.456 χ^2 /NDF: 3319.3/18

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.519 $\pm$ 0.468 χ^2 /NDF: 3172.4/20

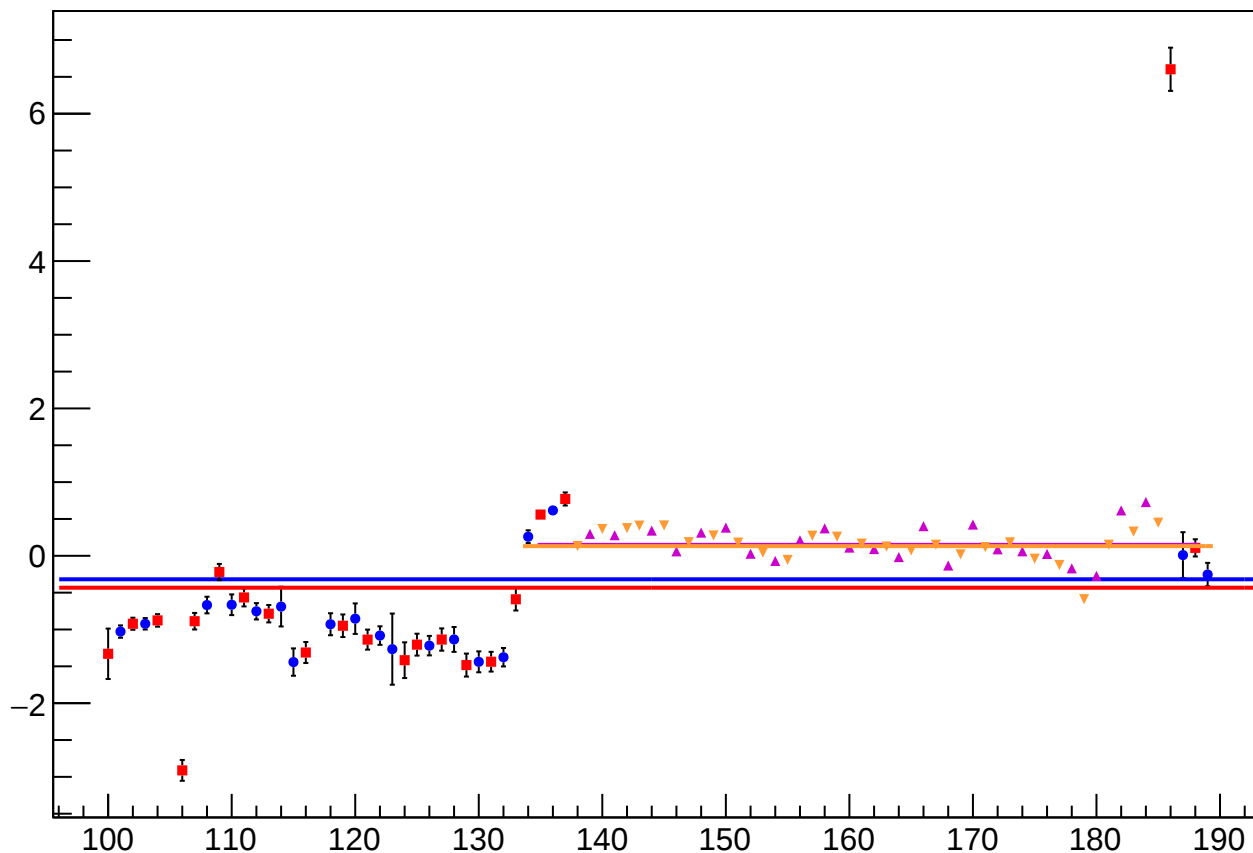
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.735 $\pm$ 0.119 χ^2 /NDF: 6826.2/43

All: 36.621 $\pm$ 0.085 χ^2 /NDF: 12709.8/87

- sign 36.502 $\pm$ 0.121 χ^2 /NDF: 5881.8/43

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.319 ± 0.025 $\chi^2/\text{NDF}: 1011.4/18$

Left Out: 0.131 ± 0.006 $\chi^2/\text{NDF}: 1426.3/24$

Right Out: -0.433 ± 0.025 $\chi^2/\text{NDF}: 1766.1/20$

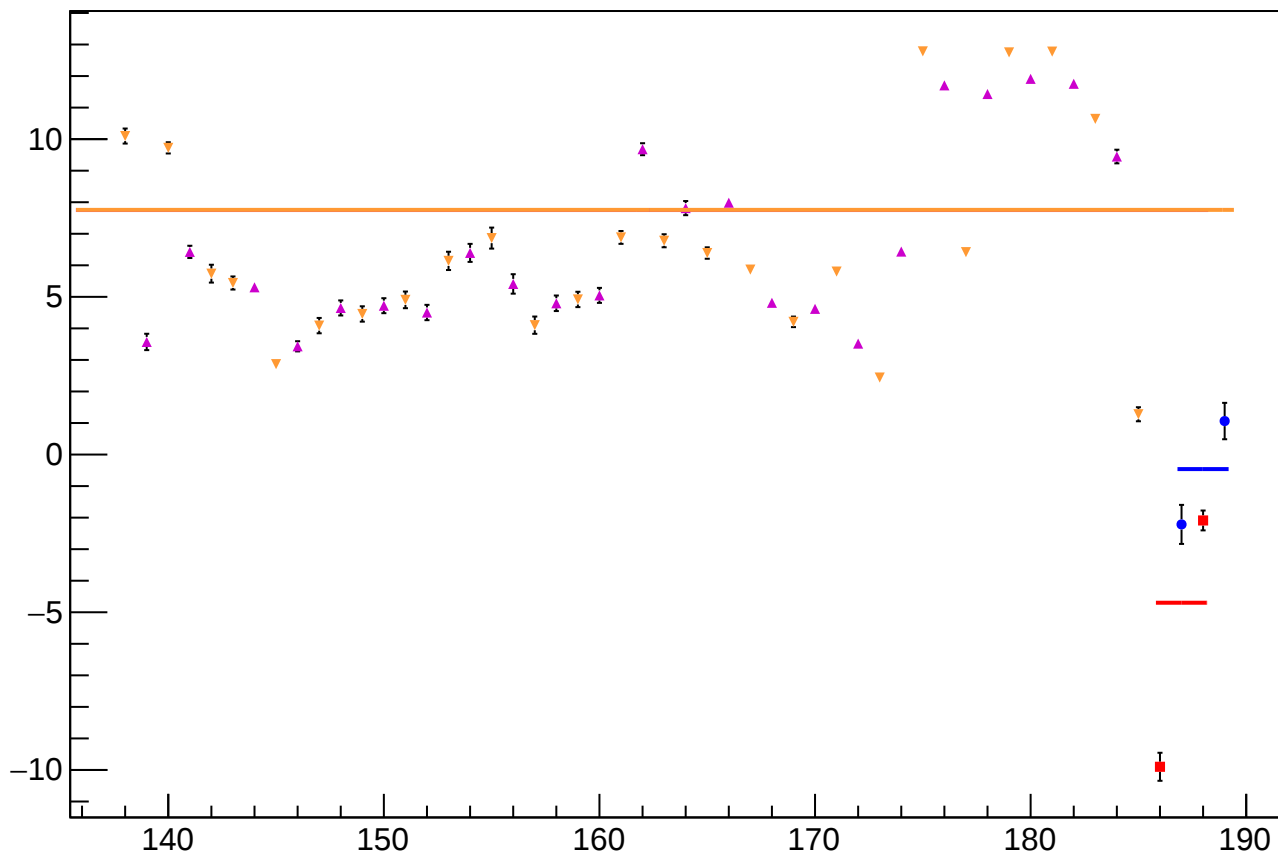
Left In: 0.149 ± 0.006 $\chi^2/\text{NDF}: 1803.6/22$

+ sign 0.109 ± 0.005 $\chi^2/\text{NDF}: 2755.8/43$

All: 0.114 ± 0.004 $\chi^2/\text{NDF}: 6838.4/87$

- sign 0.120 ± 0.006 $\chi^2/\text{NDF}: 4080.6/43$

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: -0.461 ± 0.422 $\chi^2/\text{NDF}: 15.0/1$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: -4.698 ± 0.257 $\chi^2/\text{NDF}: 205.8/1$

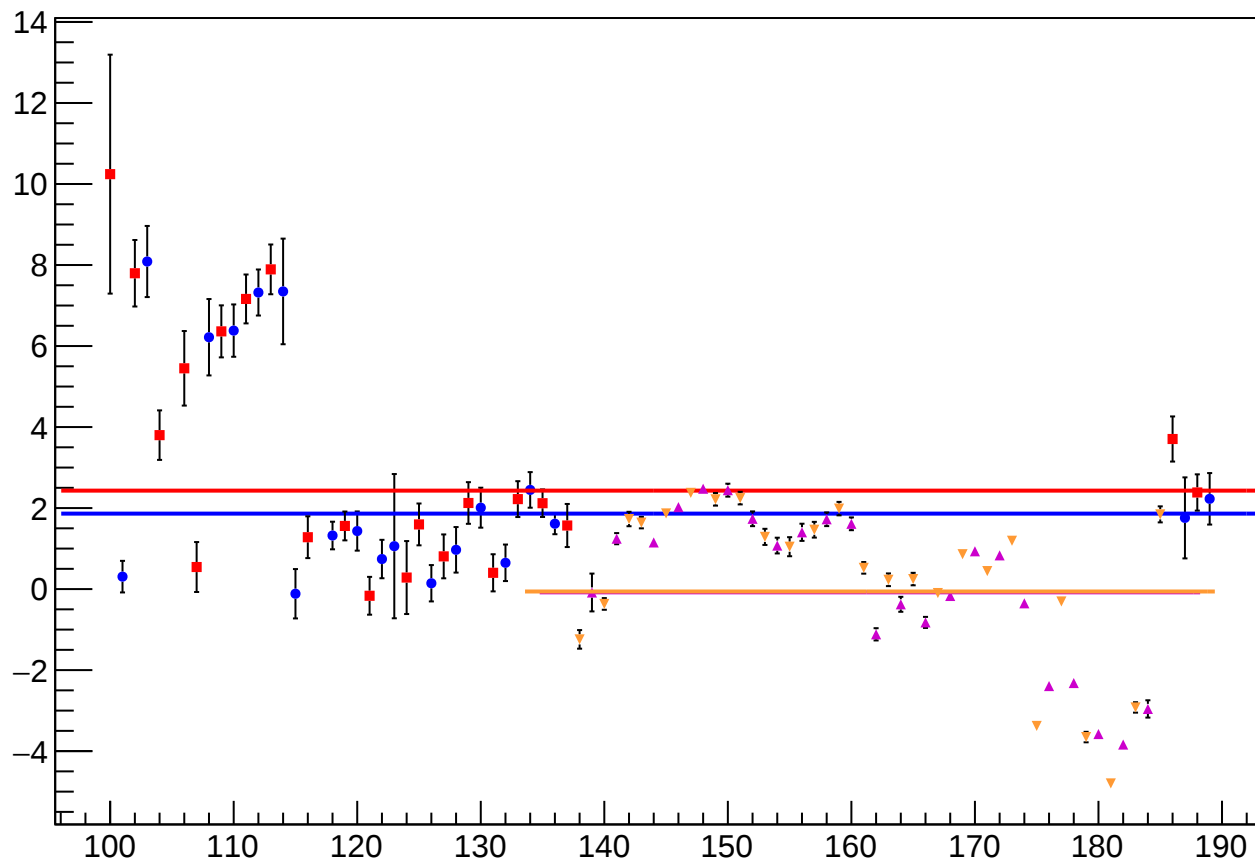
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.703 ± 0.034 $\chi^2/\text{NDF}: 12120.4/26$

All: 7.615 ± 0.024 $\chi^2/\text{NDF}: 22993.4/51$

- sign 7.525 ± 0.035 $\chi^2/\text{NDF}: 10859.6/24$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.863 ± 0.115 χ^2/NDF : 293.6/18

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.431 ± 0.116 χ^2/NDF : 341.0/20

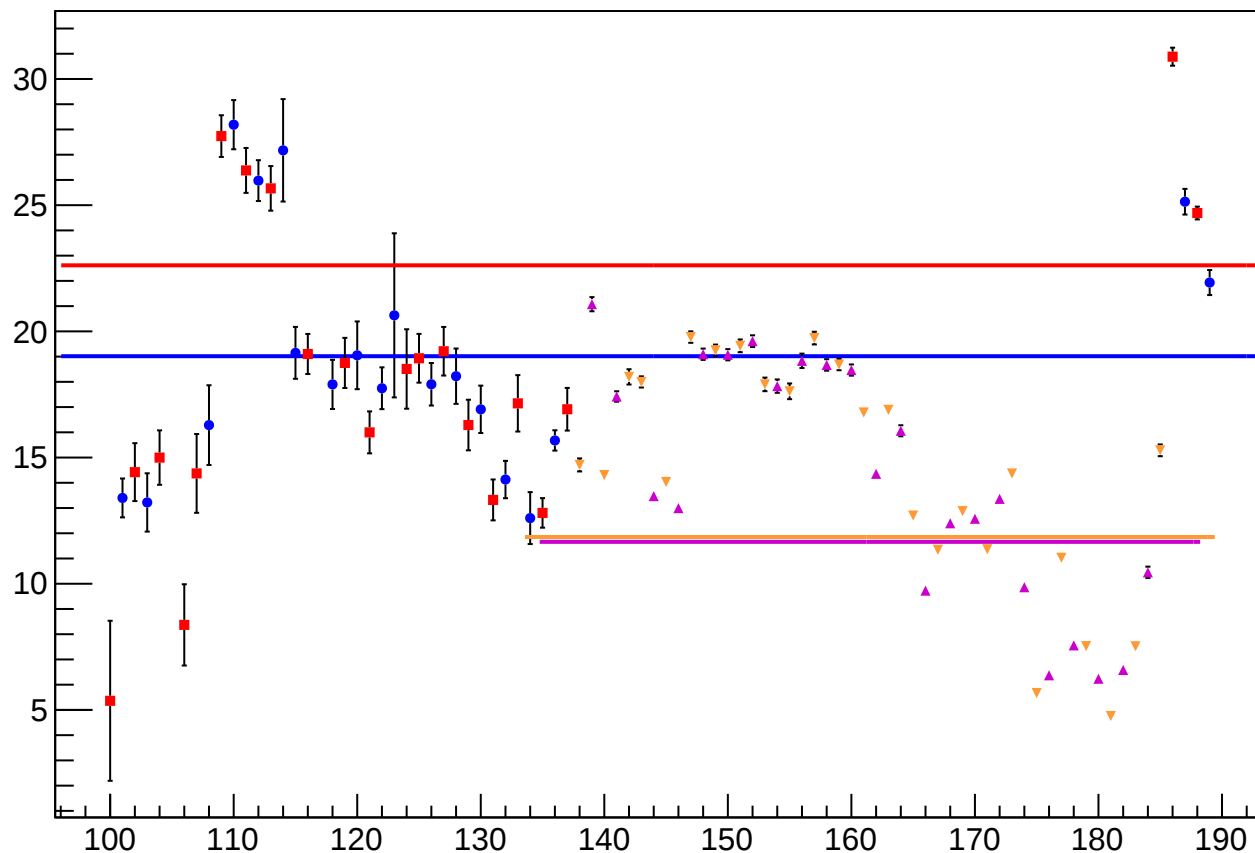
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.047 ± 0.027 χ^2/NDF : 6628.2/43

All: 0.054 ± 0.019 χ^2/NDF : 12392.7/87

- sign 0.061 ± 0.027 χ^2/NDF : 5764.3/43

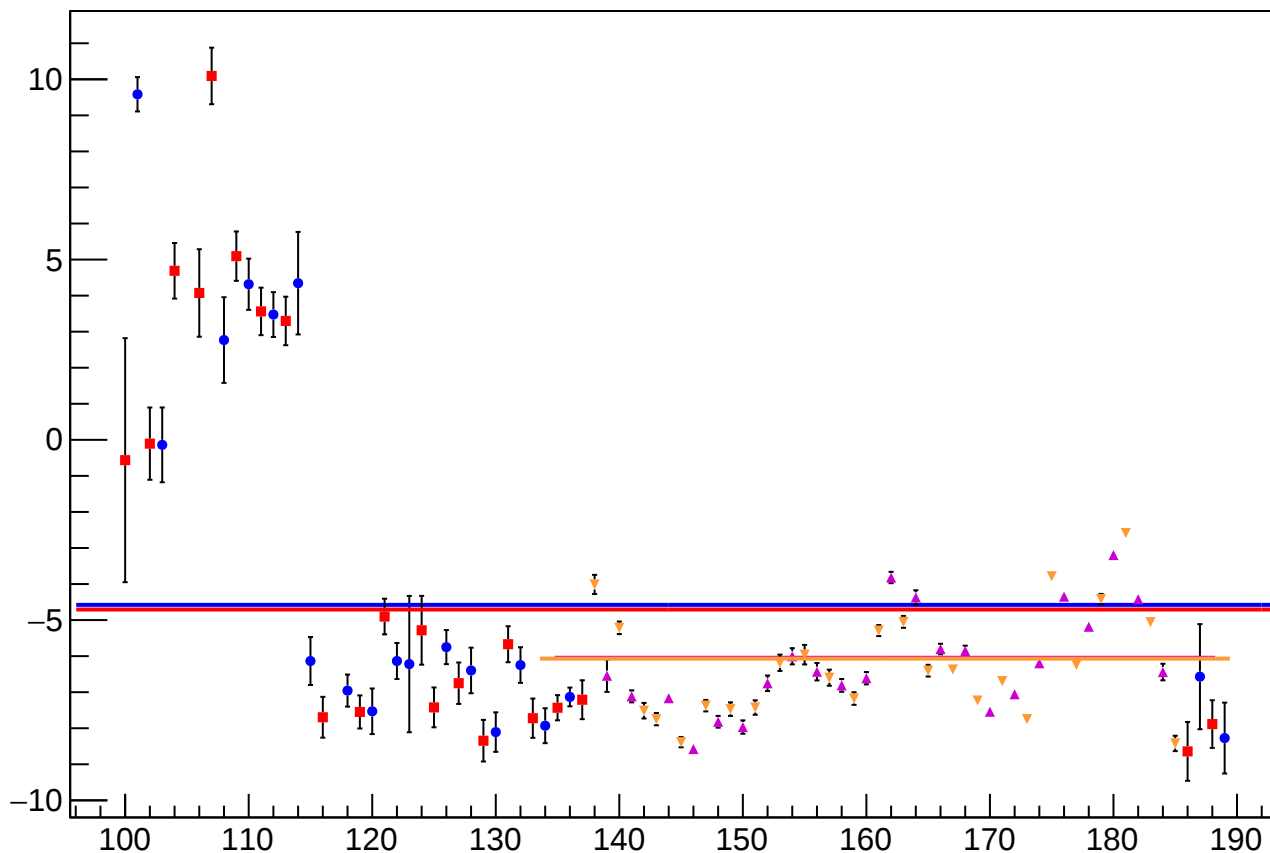
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.016 $\pm$ 0.183 χ^2 /NDF: 601.8/18
 Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24
 Right Out: 22.617 $\pm$ 0.151 χ^2 /NDF: 1561.9/20
 Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.102 $\pm$ 0.034 χ^2 /NDF: 21236.6/43
 All: 12.165 $\pm$ 0.024 χ^2 /NDF: 44539.0/87
 - sign 12.228 $\pm$ 0.034 χ^2 /NDF: 23295.6/43

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.578 ± 0.129 χ^2/NDF : 1599.2/18

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.707 ± 0.133 χ^2/NDF : 1390.1/20

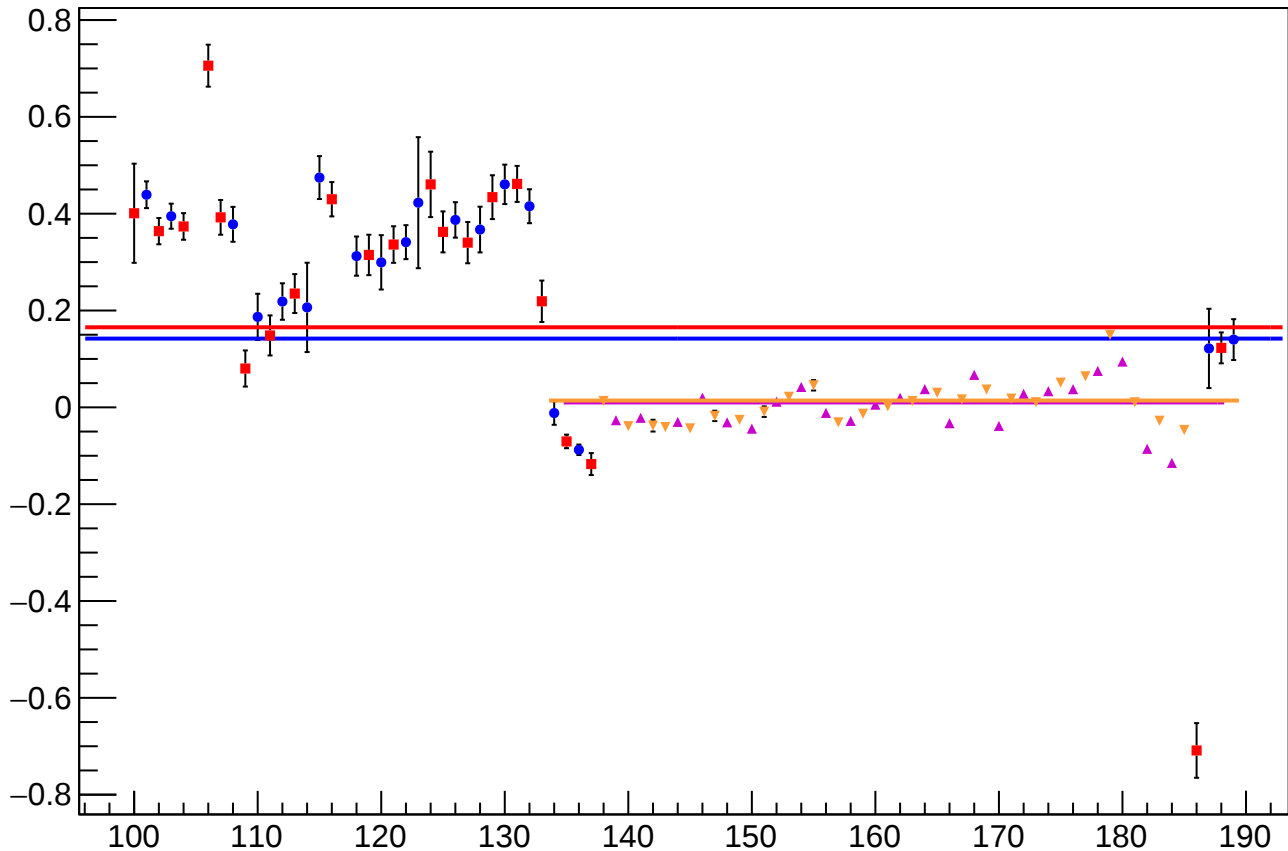
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.986 ± 0.030 χ^2/NDF : 4397.2/43

All: -5.980 ± 0.022 χ^2/NDF : 8177.6/87

- sign -5.973 ± 0.031 χ^2/NDF : 3780.3/43

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1057.8/18

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF: 956.2/24

Right Out: 0.165 $\pm$ 0.007 χ^2 /NDF: 1245.9/20

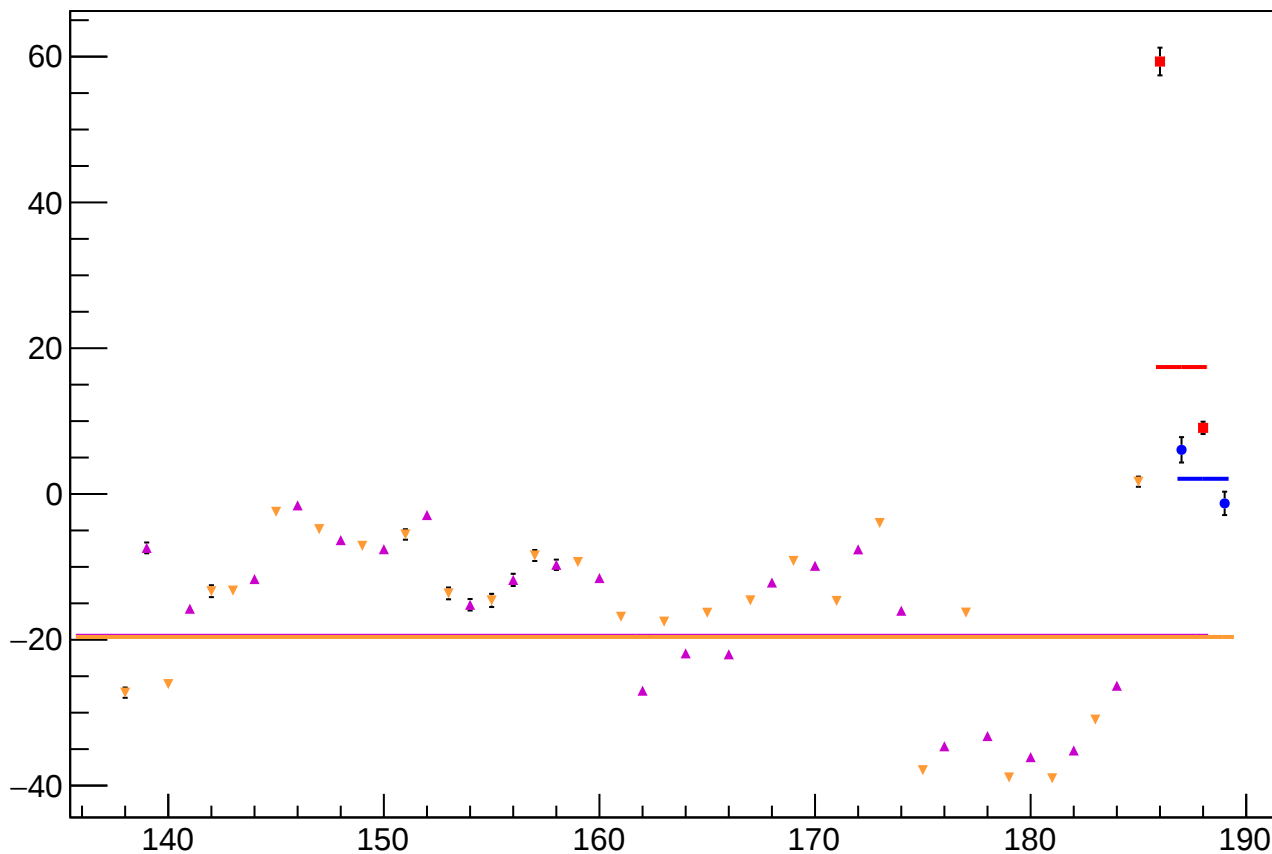
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.019 $\pm$ 0.001 χ^2 /NDF: 2339.1/43

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5254.6/87

- sign 0.016 $\pm$ 0.001 χ^2 /NDF: 2913.3/43

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: 2.088+/-1.180 χ^2/NDF : 9.6/1

Left Out: -19.612+/-0.103 χ^2/NDF :15761.3/24

Right Out: 17.417+/-0.774 χ^2/NDF : 583.1/1

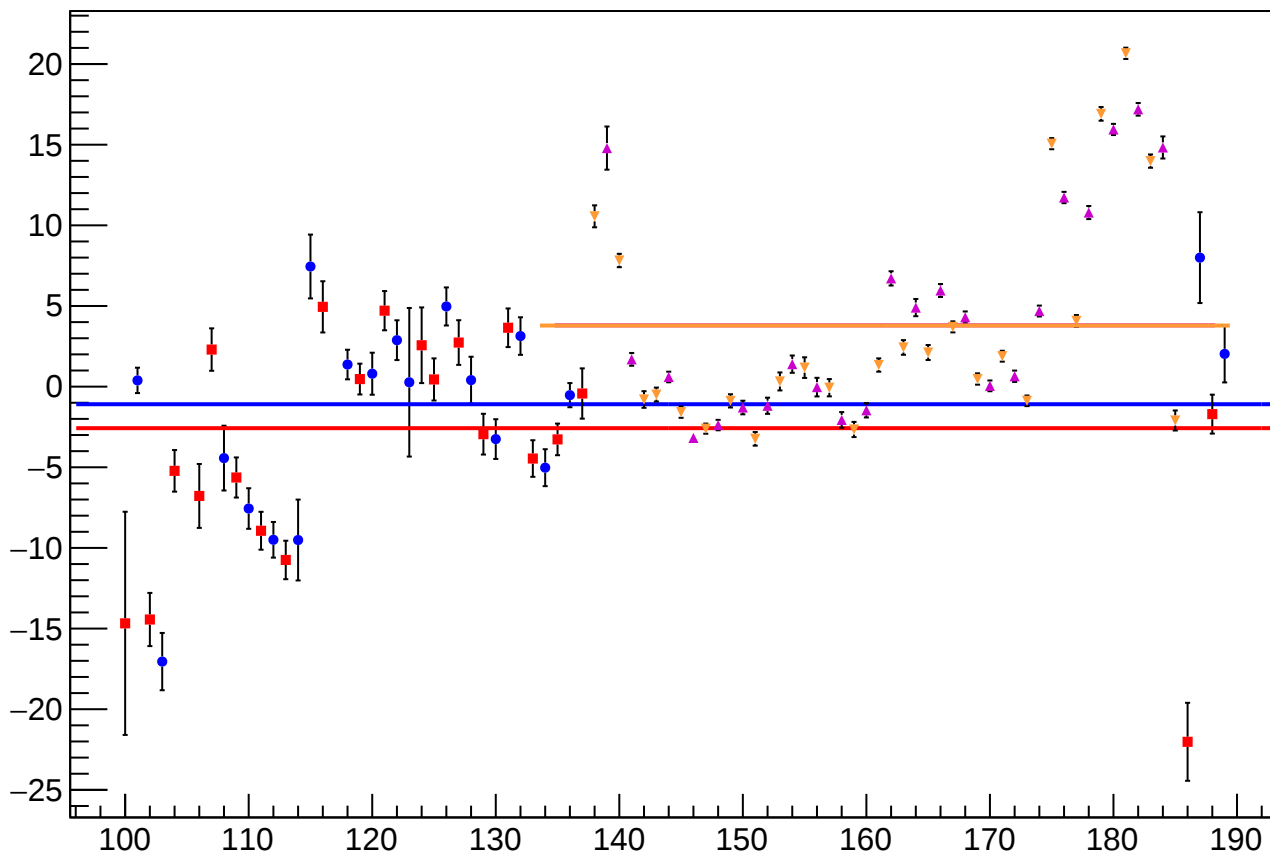
Left In: -19.450+/-0.105 χ^2/NDF :12283.1/22

+ sign -19.448+/-0.103 χ^2/NDF : 16106.3/26

All: -19.120+/-0.073 χ^2/NDF : 31218.5/51

- sign -18.784+/-0.104 χ^2/NDF : 15091.6/24

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.091 ± 0.287 χ^2/NDF : 290.4/18

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -2.575 ± 0.292 χ^2/NDF : 350.3/20

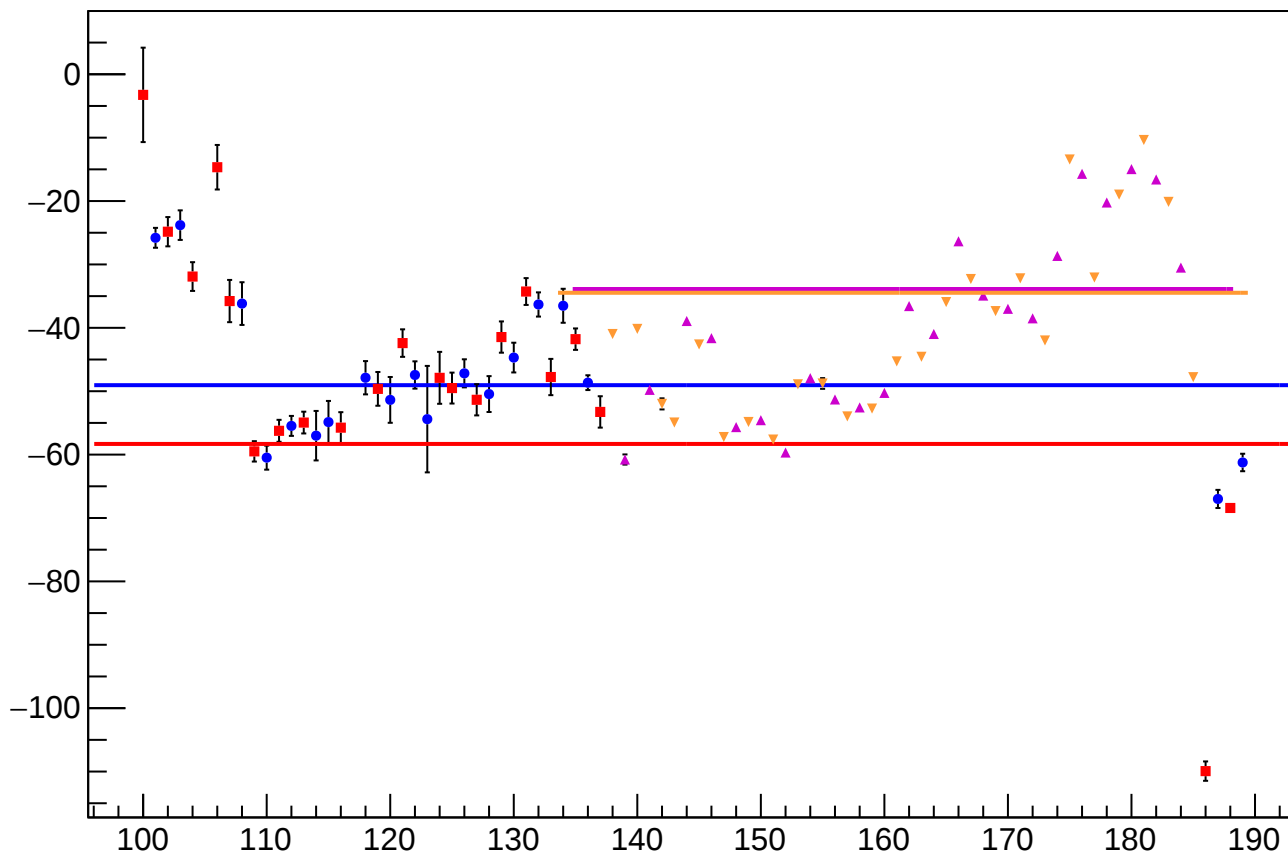
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.420 ± 0.079 χ^2/NDF : 7707.4/43

All: 3.368 ± 0.056 χ^2/NDF : 14017.3/87

- sign 3.315 ± 0.080 χ^2/NDF : 6309.1/43

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -49.047 ± 0.464 χ^2/NDF : 719.3/18

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -58.318 ± 0.404 χ^2/NDF : 2348.3/20

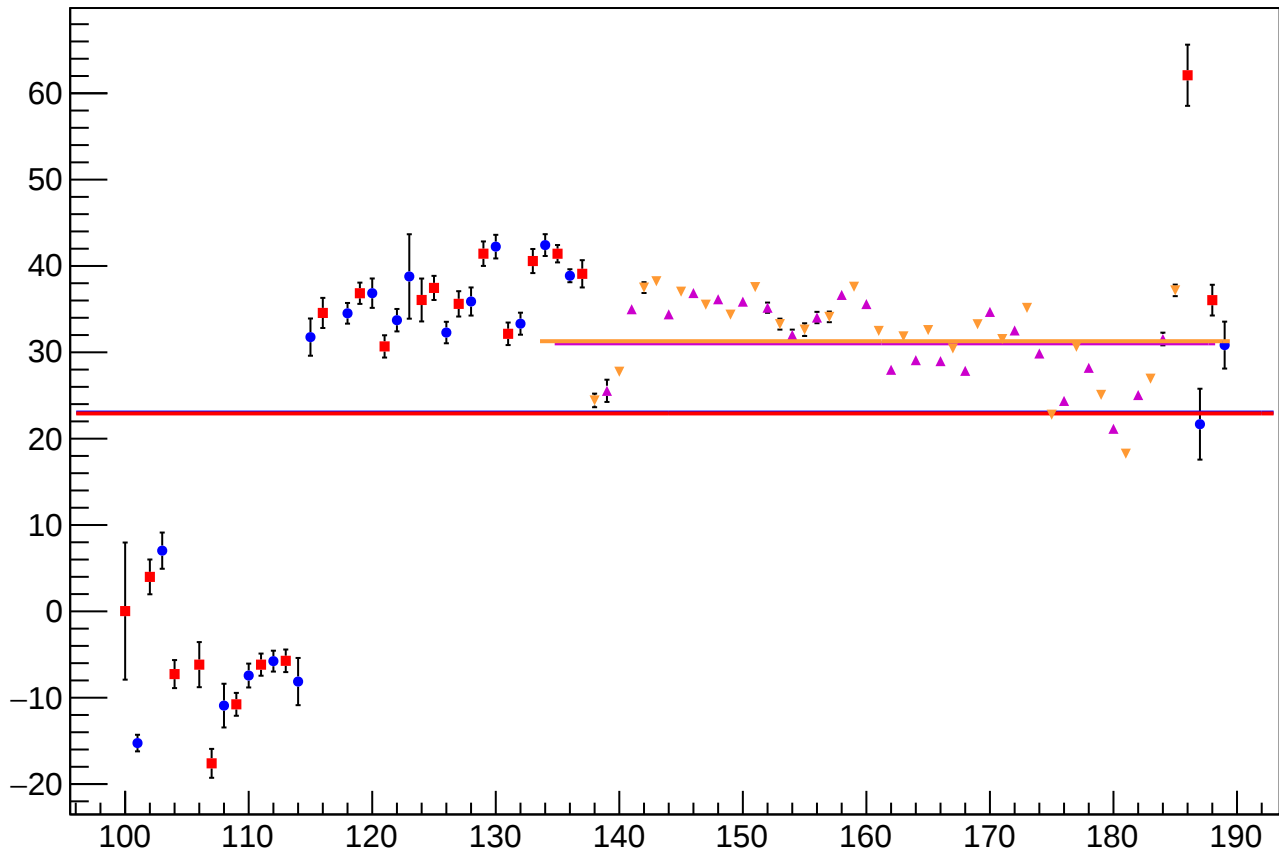
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.167 ± 0.101 χ^2/NDF : 21854.4/43

All: -35.298 ± 0.072 χ^2/NDF : 45274.5/87

- sign -35.430 ± 0.102 χ^2/NDF : 23416.8/43

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 23.023 $\pm$ 0.325 χ^2 /NDF: 4325.7/18

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.920 $\pm$ 0.333 χ^2 /NDF: 4212.6/20

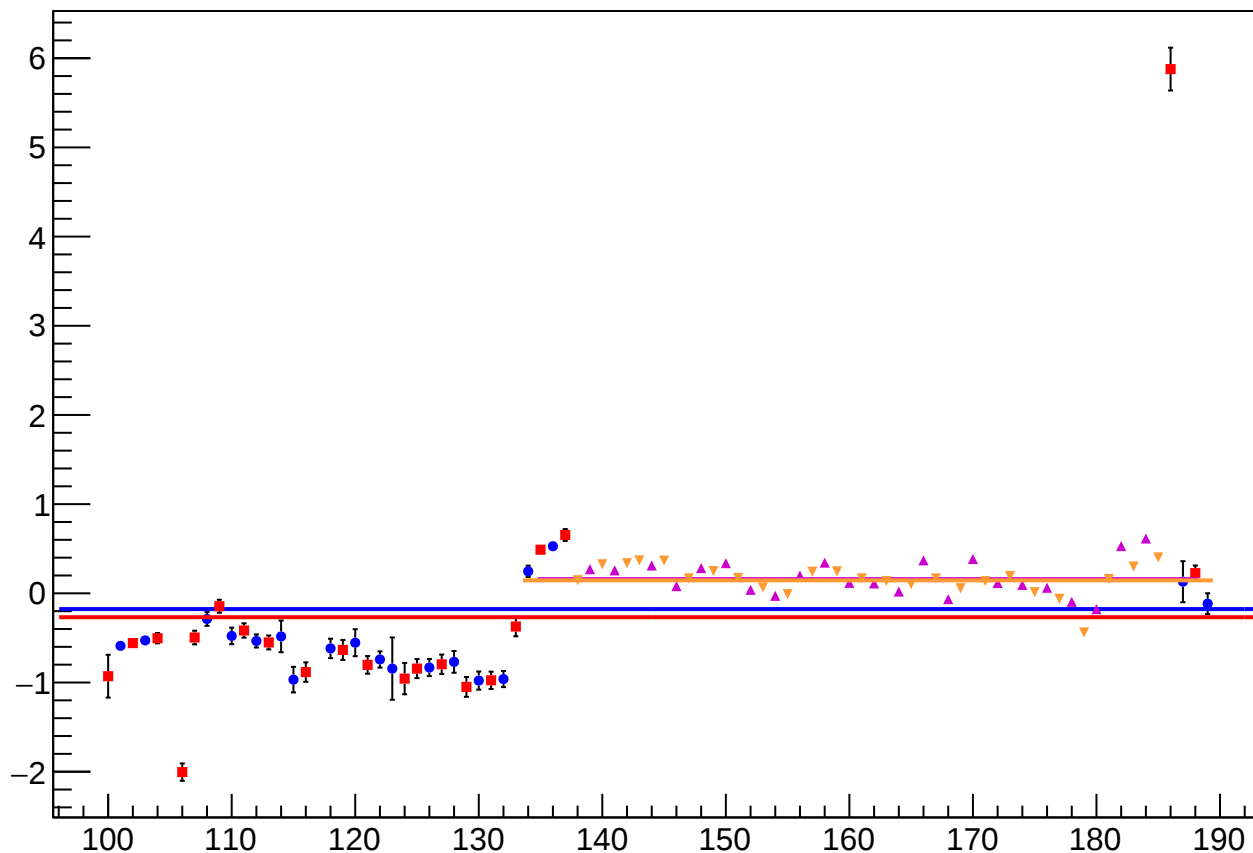
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.669 $\pm$ 0.089 χ^2 /NDF: 8268.7/43

All: 30.556 $\pm$ 0.063 χ^2 /NDF: 15515.0/87

- sign 30.438 $\pm$ 0.091 χ^2 /NDF: 7243.0/43

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.018 χ^2/NDF : 997.3/18

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.268 ± 0.018 χ^2/NDF : 1872.1/20

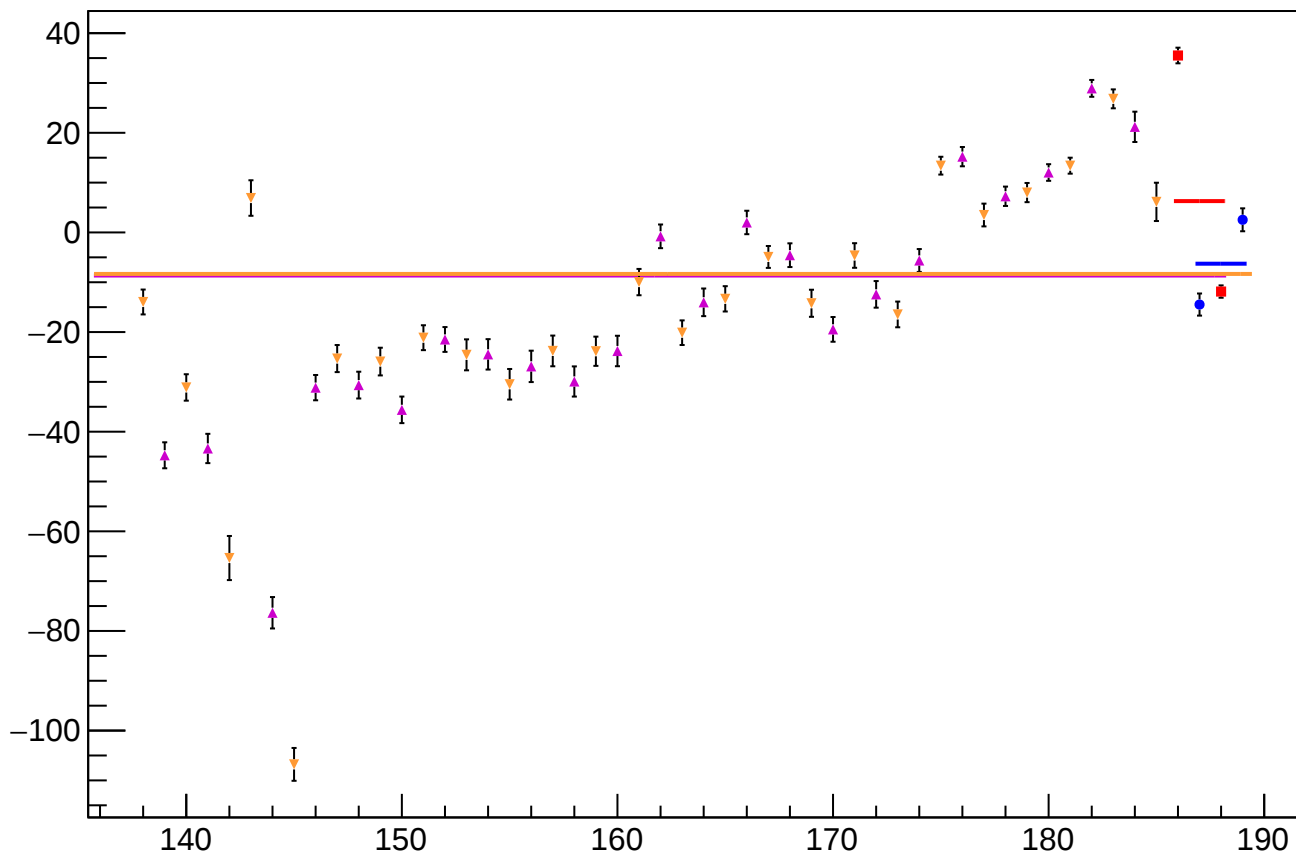
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.128 ± 0.004 χ^2/NDF : 2895.7/43

All: 0.131 ± 0.003 χ^2/NDF : 7324.1/87

- sign 0.135 ± 0.004 χ^2/NDF : 4426.8/43

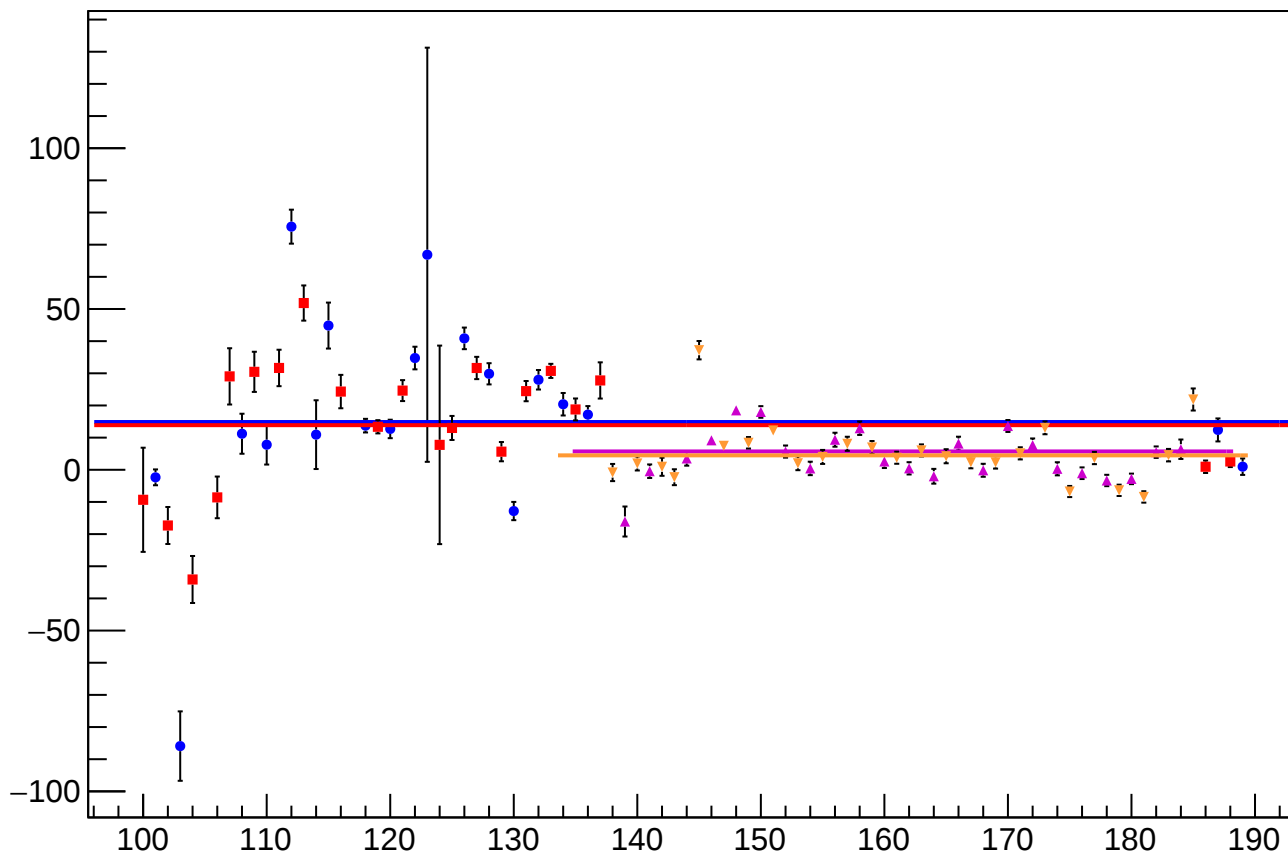
reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -6.277 ± 1.598 χ^2/NDF : 28.3/1
 Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24
 Right Out: 6.290 ± 0.973 χ^2/NDF : 560.9/1
 Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -8.149 ± 0.477 χ^2/NDF : 2256.0/26
 All: -6.725 ± 0.327 χ^2/NDF : 5243.1/51
 - sign -5.458 ± 0.450 χ^2/NDF : 2970.3/24

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 14.852 ± 0.795 $\chi^2/\text{NDF}: 548.7/18$

Left Out: 4.484 ± 0.392 $\chi^2/\text{NDF}: 371.9/24$

Right Out: 13.875 ± 0.737 $\chi^2/\text{NDF}: 369.4/20$

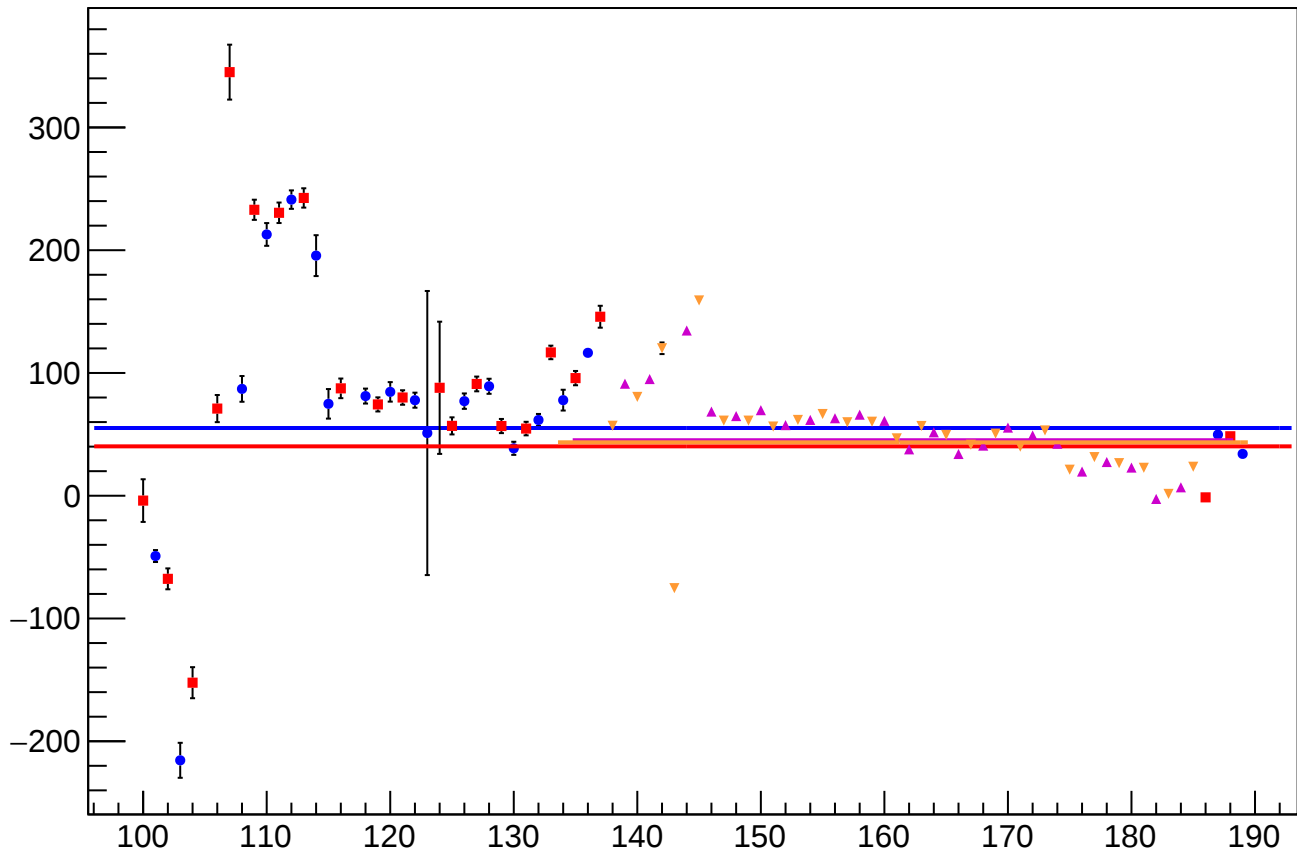
Left In: 5.705 ± 0.404 $\chi^2/\text{NDF}: 324.1/22$

+ sign 6.514 ± 0.352 $\chi^2/\text{NDF}: 1057.4/43$

All: 7.049 ± 0.250 $\chi^2/\text{NDF}: 1849.9/87$

- sign 7.593 ± 0.354 $\chi^2/\text{NDF}: 787.8/43$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 55.170+/-1.035 χ^2 /NDF: 2263.1/18

Left Out: 43.524+/-0.498 χ^2 /NDF: 3830.7/24

Right Out: 40.223+/-0.711 χ^2 /NDF: 4116.0/20

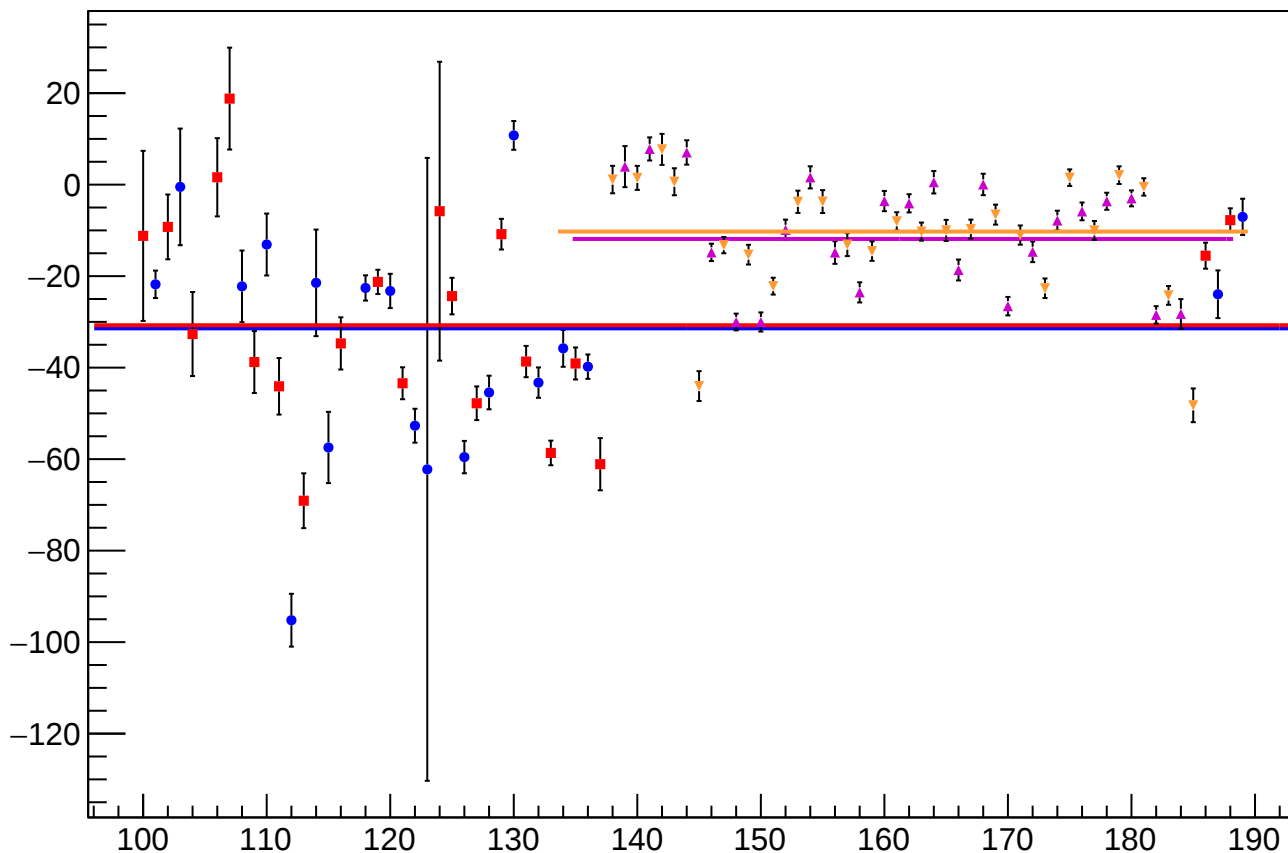
Left In: 45.211+/-0.504 χ^2 /NDF: 3048.5/22

+ sign 45.718+/-0.449 χ^2 /NDF: 6196.6/43

All: 44.535+/-0.303 χ^2 /NDF: 13406.7/87

- sign 43.541+/-0.411 χ^2 /NDF: 7197.3/43

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -31.413 ± 0.939 $\chi^2/\text{NDF}: 528.6/18$

Left Out: -10.257 ± 0.444 $\chi^2/\text{NDF}: 552.4/24$

Right Out: -30.735 ± 0.904 $\chi^2/\text{NDF}: 432.7/20$

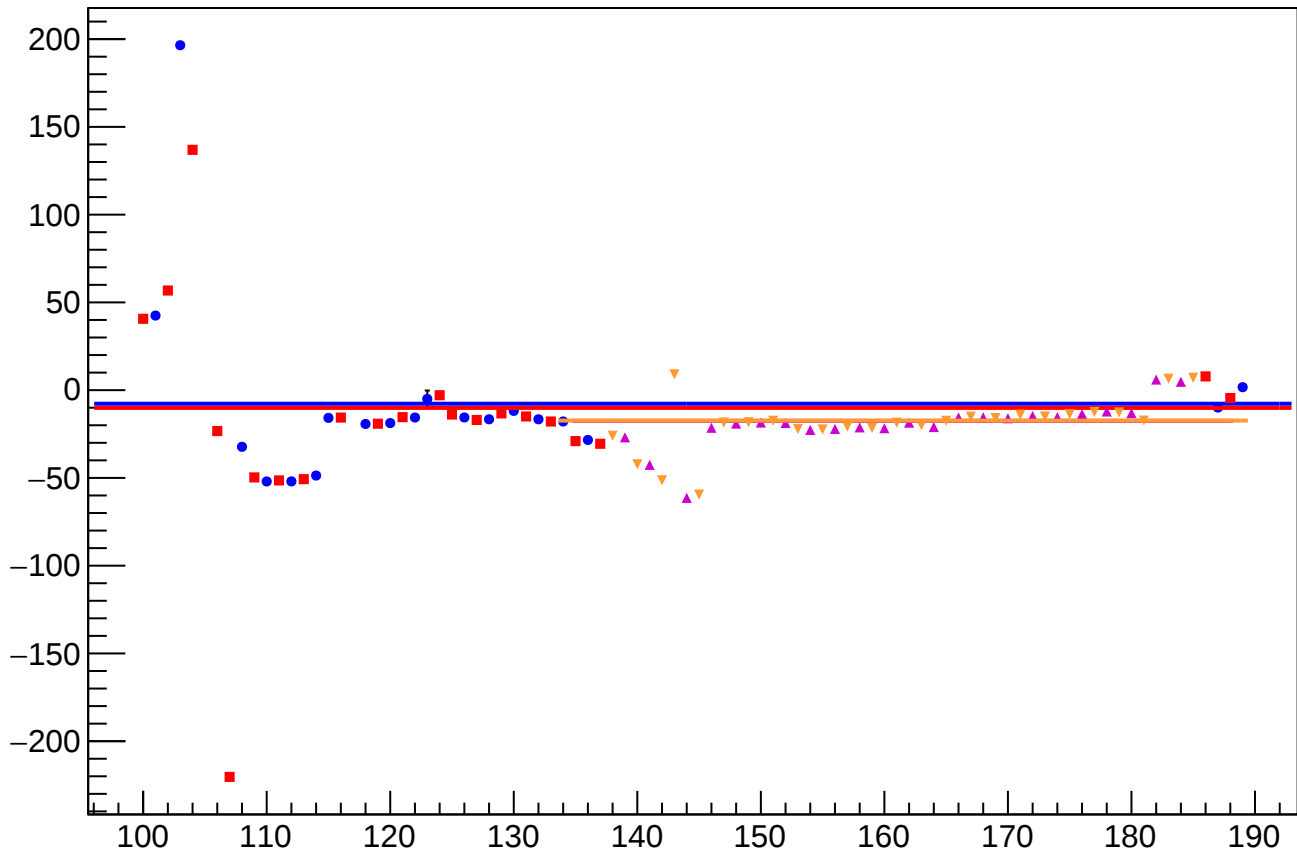
Left In: -11.877 ± 0.456 $\chi^2/\text{NDF}: 666.2/22$

+ sign -14.126 ± 0.402 $\chi^2/\text{NDF}: 1495.8/43$

All: -14.903 ± 0.286 $\chi^2/\text{NDF}: 2949.0/87$

- sign -15.701 ± 0.407 $\chi^2/\text{NDF}: 1445.7/43$

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -7.729 ± 0.055 χ^2/NDF : 578514.6/18

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -10.111 ± 0.054 χ^2/NDF : 570320.9/20

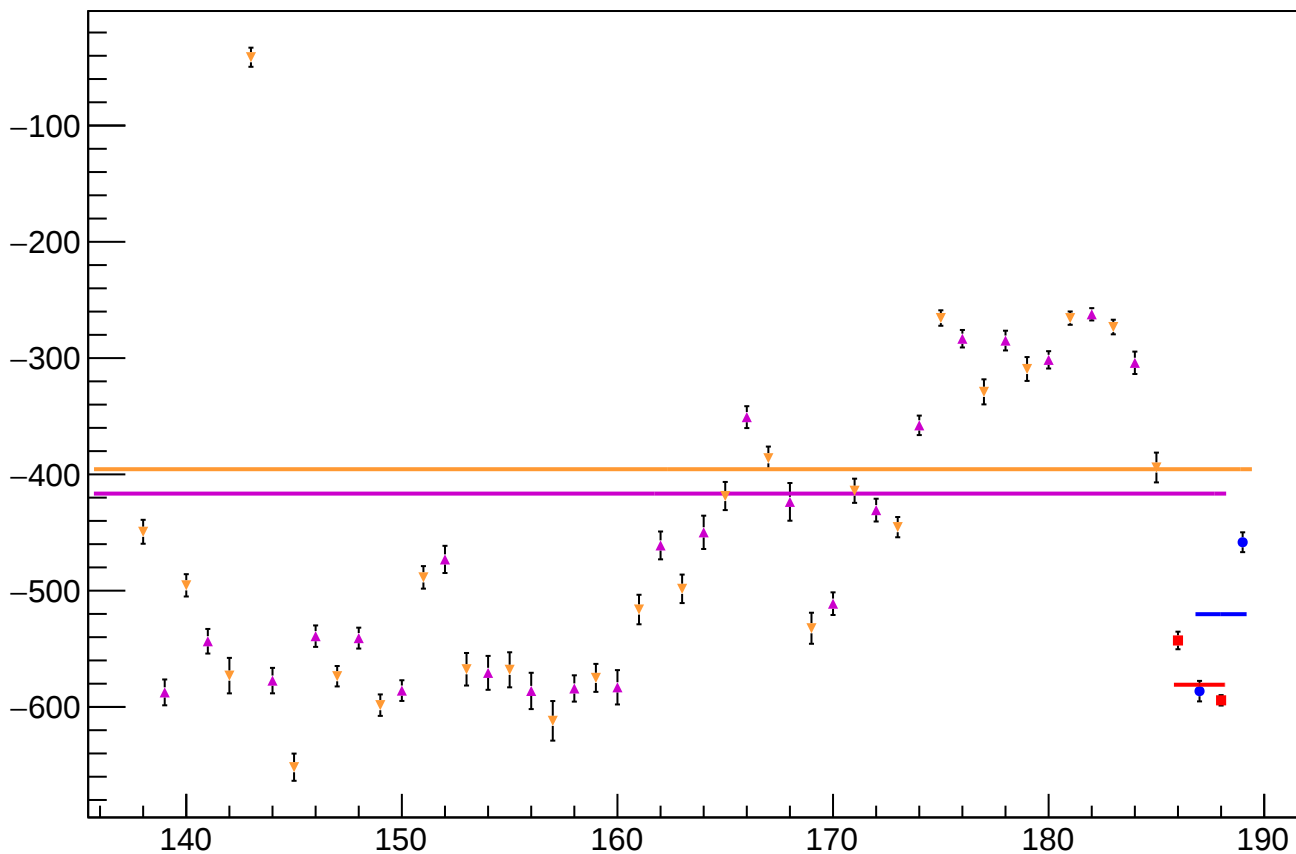
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -16.181 ± 0.019 χ^2/NDF : 930290.1/43

All: -16.361 ± 0.014 χ^2/NDF : 1776344.3/87

- sign -16.544 ± 0.019 χ^2/NDF : 845875.5/43

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -520.219+/-6.129 χ^2/NDF : 109.0/1

Left Out: -395.547+/-1.953 χ^2/NDF : 5946.5/24

Right Out: -580.890+/-3.856 χ^2/NDF : 34.3/1

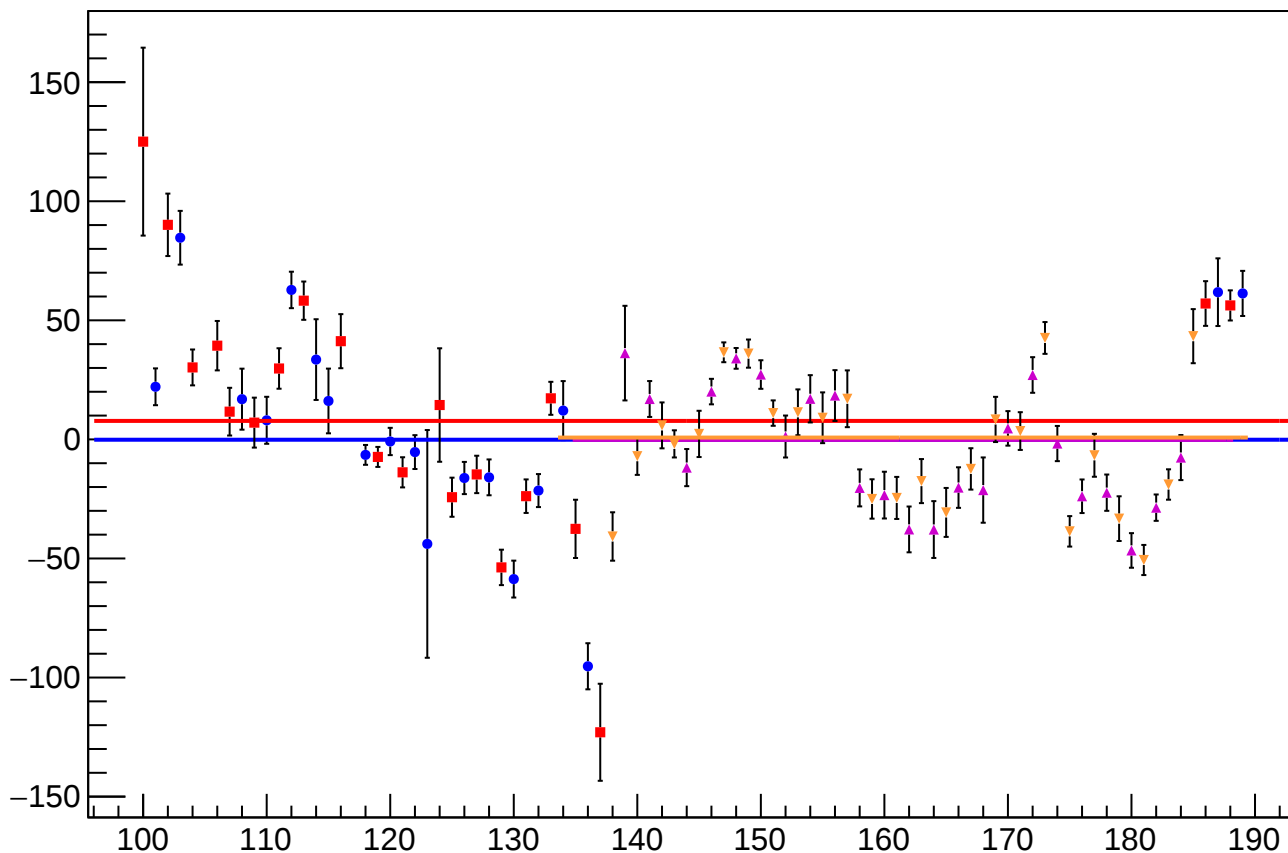
Left In: -416.521+/-2.005 χ^2/NDF : 3917.0/22

+ sign -407.045+/-1.861 χ^2/NDF : 6431.2/26

All: -430.275+/-1.286 χ^2/NDF : 12110.8/51

- sign -451.492+/-1.779 χ^2/NDF : 5381.5/24

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -0.141 ± 1.871 χ^2/NDF : 379.1/18

Left Out: 0.767 ± 1.503 χ^2/NDF : 350.1/24

Right Out: 7.762 ± 1.801 χ^2/NDF : 401.2/20

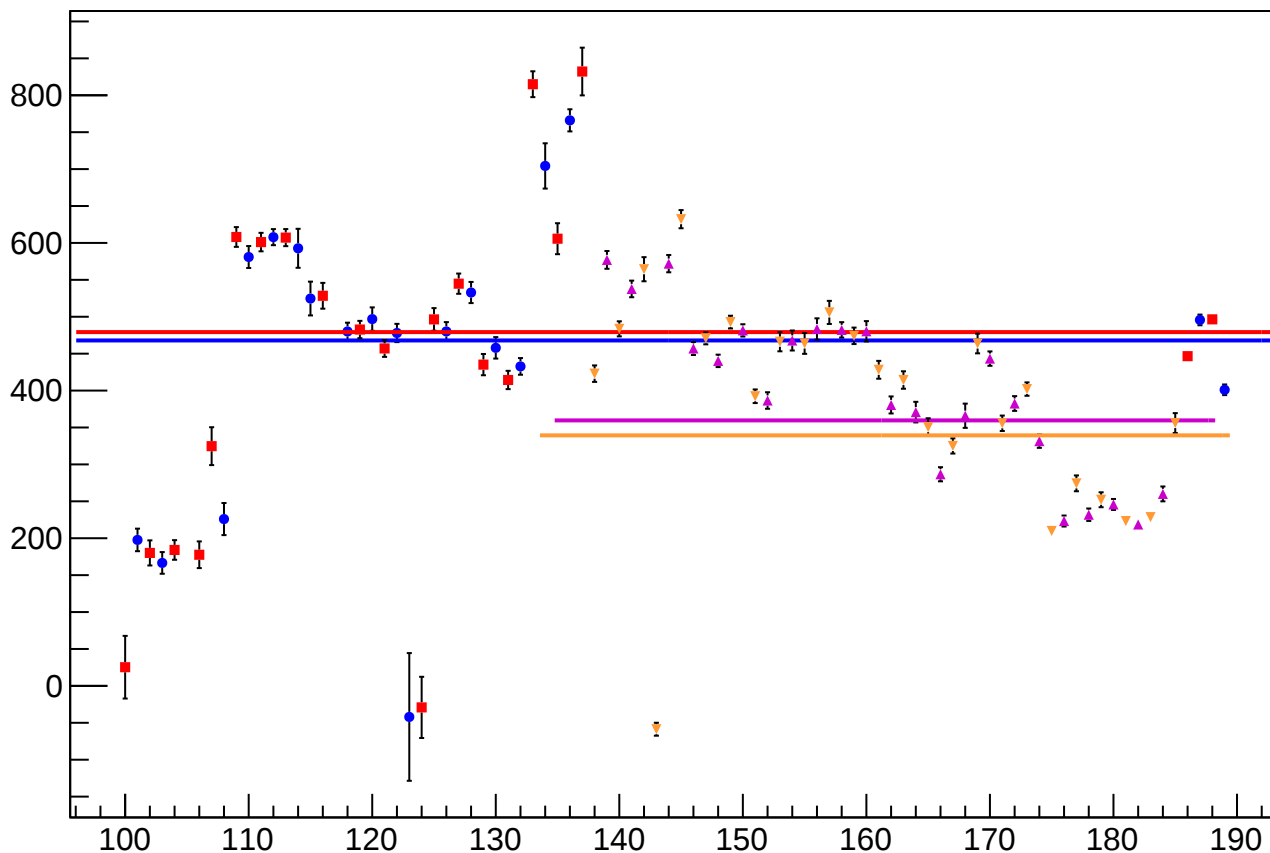
Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

+ sign 0.411 ± 1.172 χ^2/NDF : 729.3/43

All: 1.814 ± 0.833 χ^2/NDF : 1405.3/87

- sign 3.251 ± 1.186 χ^2/NDF : 673.1/43

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 467.898 $\pm$ 2.981 χ^2/NDF : 1736.1/18

Left Out: 339.355 $\pm$ 1.963 χ^2/NDF : 5502.5/24

Right Out: 479.214 $\pm$ 2.331 χ^2/NDF : 2339.9/20

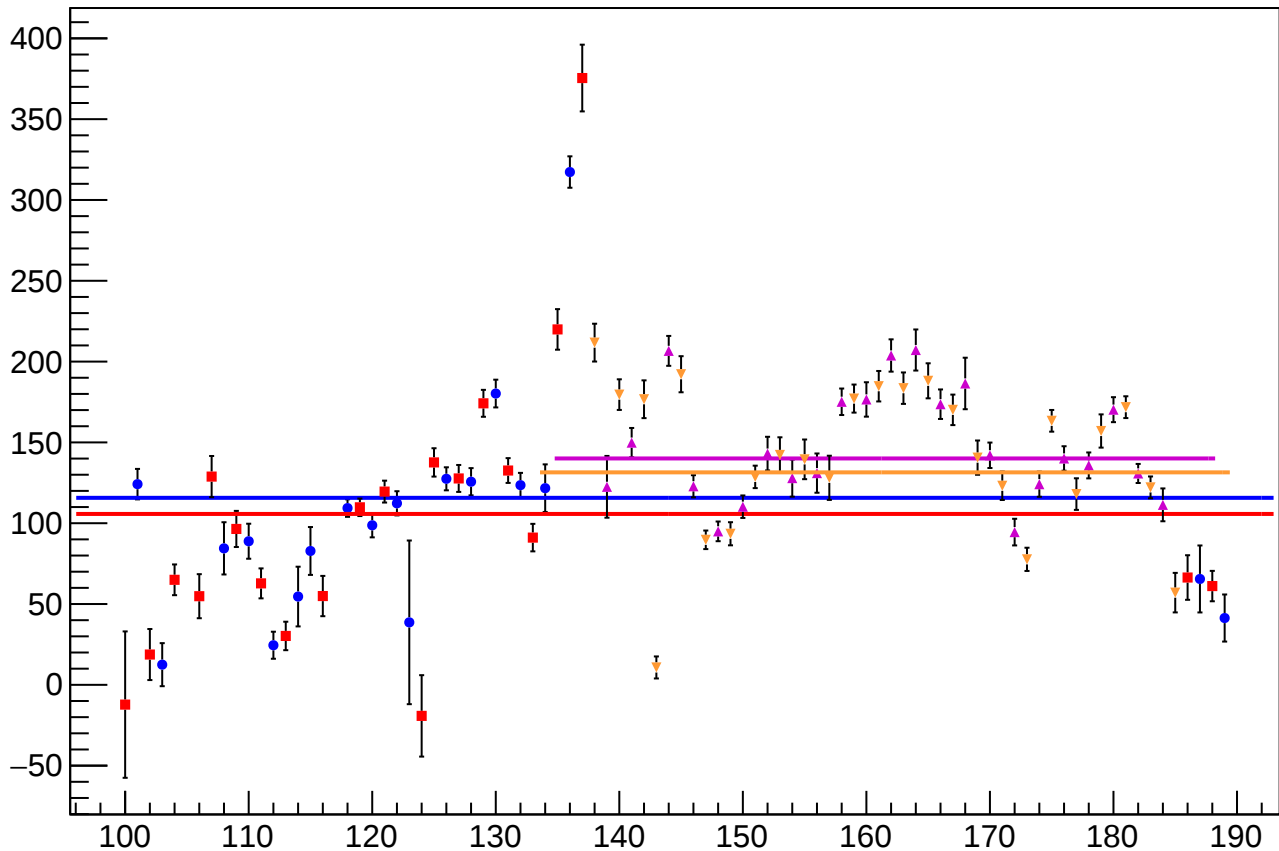
Left In: 359.609 $\pm$ 2.003 χ^2/NDF : 3398.5/22

+ sign 378.231 $\pm$ 1.639 χ^2/NDF : 8536.0/43

All: 395.531 $\pm$ 1.114 χ^2/NDF : 15995.8/87

- sign 410.390 $\pm$ 1.519 χ^2/NDF : 7252.8/43

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 115.710 ± 2.192 $\chi^2/\text{NDF}: 738.1/18$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 105.736 ± 2.125 $\chi^2/\text{NDF}: 601.3/20$

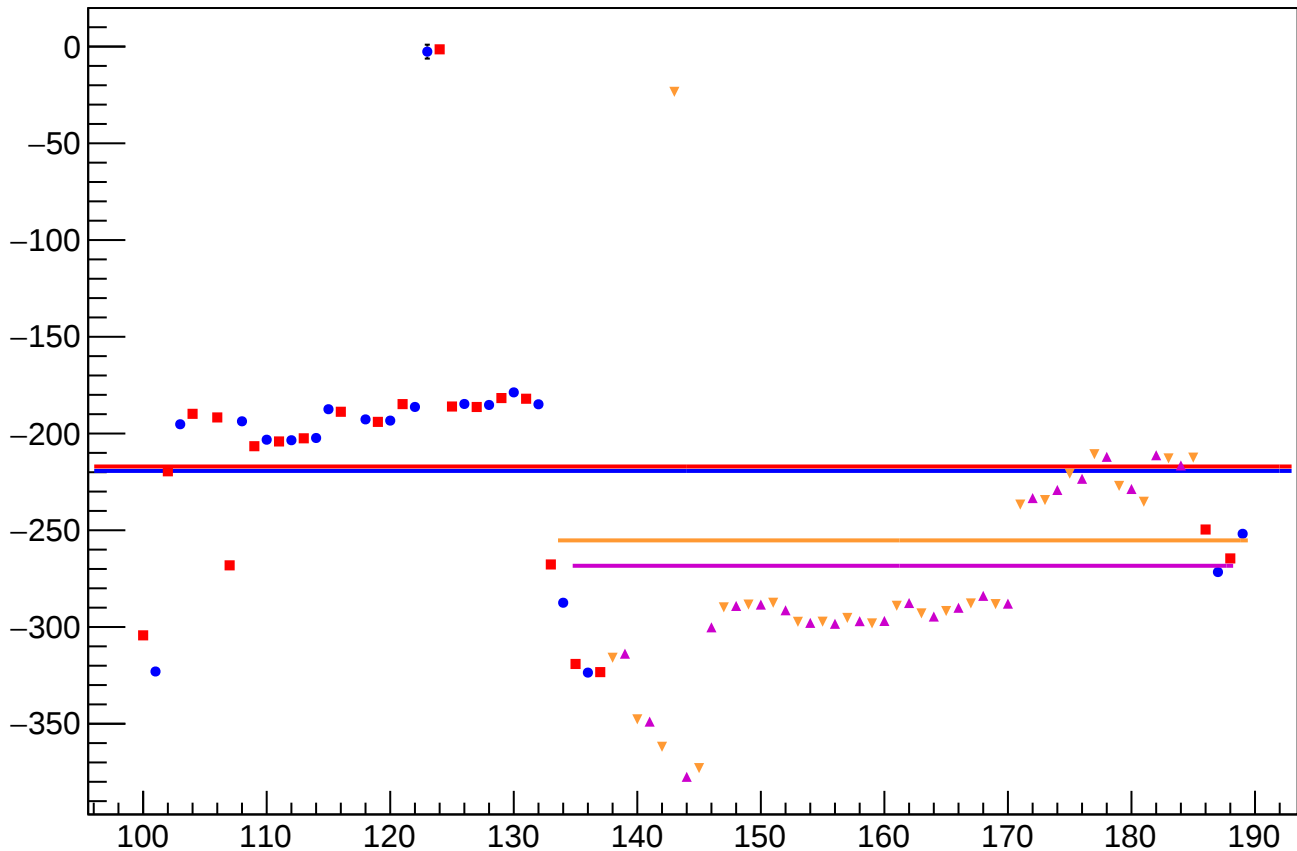
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 125.429 ± 1.357 $\chi^2/\text{NDF}: 1579.3/43$

All: 125.599 ± 0.965 $\chi^2/\text{NDF}: 2649.4/87$

- sign 125.772 ± 1.371 $\chi^2/\text{NDF}: 1070.1/43$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -219.329 ± 0.133 $\chi^2/\text{NDF}: 151145.3/18$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -217.035 ± 0.125 $\chi^2/\text{NDF}: 127981.7/20$

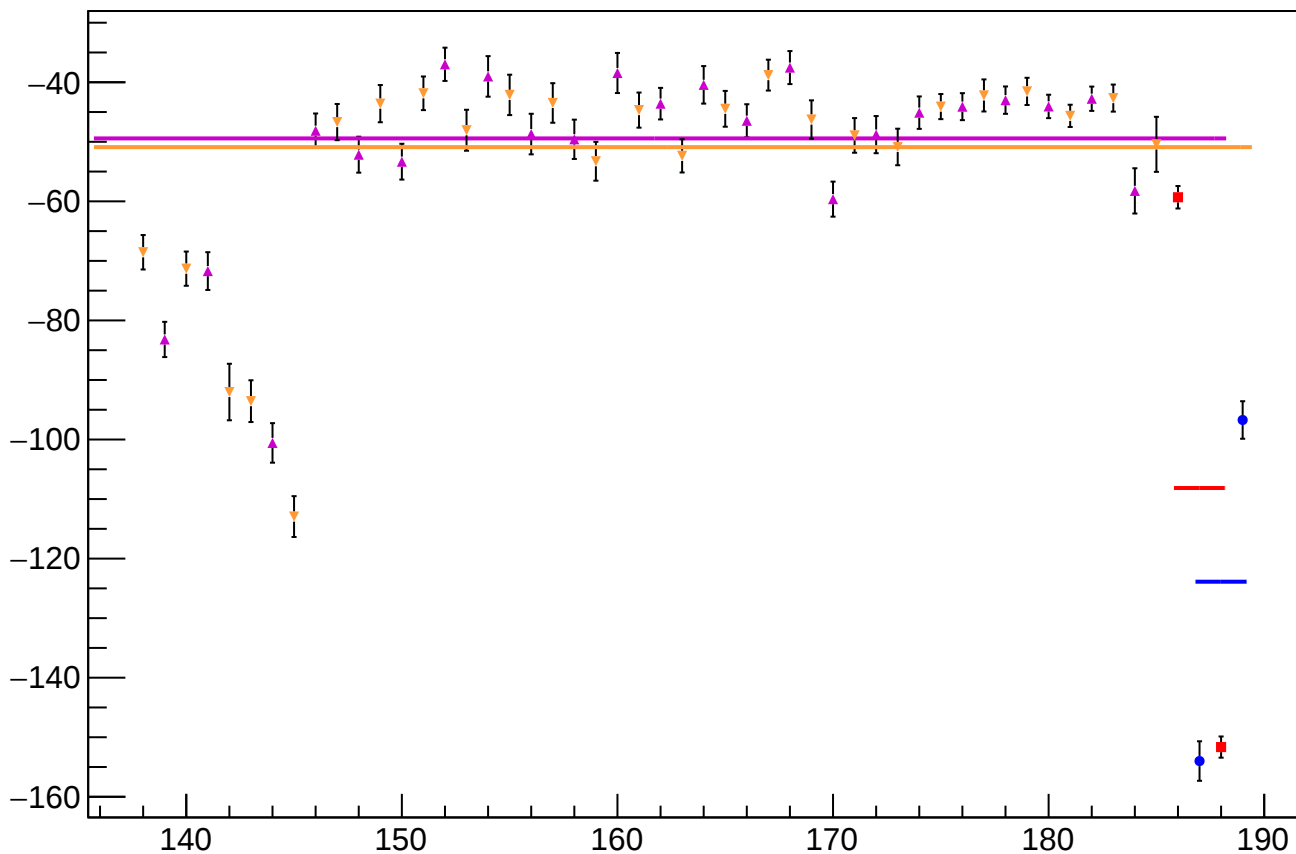
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.354 ± 0.070 $\chi^2/\text{NDF}: 931953.7/43$

All: -248.899 ± 0.049 $\chi^2/\text{NDF}: 1444568.6/87$

- sign -252.407 ± 0.069 $\chi^2/\text{NDF}: 507480.9/43$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -123.879 ± 2.285 $\chi^2/\text{NDF}: 156.7/1$

Left Out: -50.897 ± 0.573 $\chi^2/\text{NDF}: 761.1/24$

Right Out: -108.144 ± 1.295 $\chi^2/\text{NDF}: 1267.7/1$

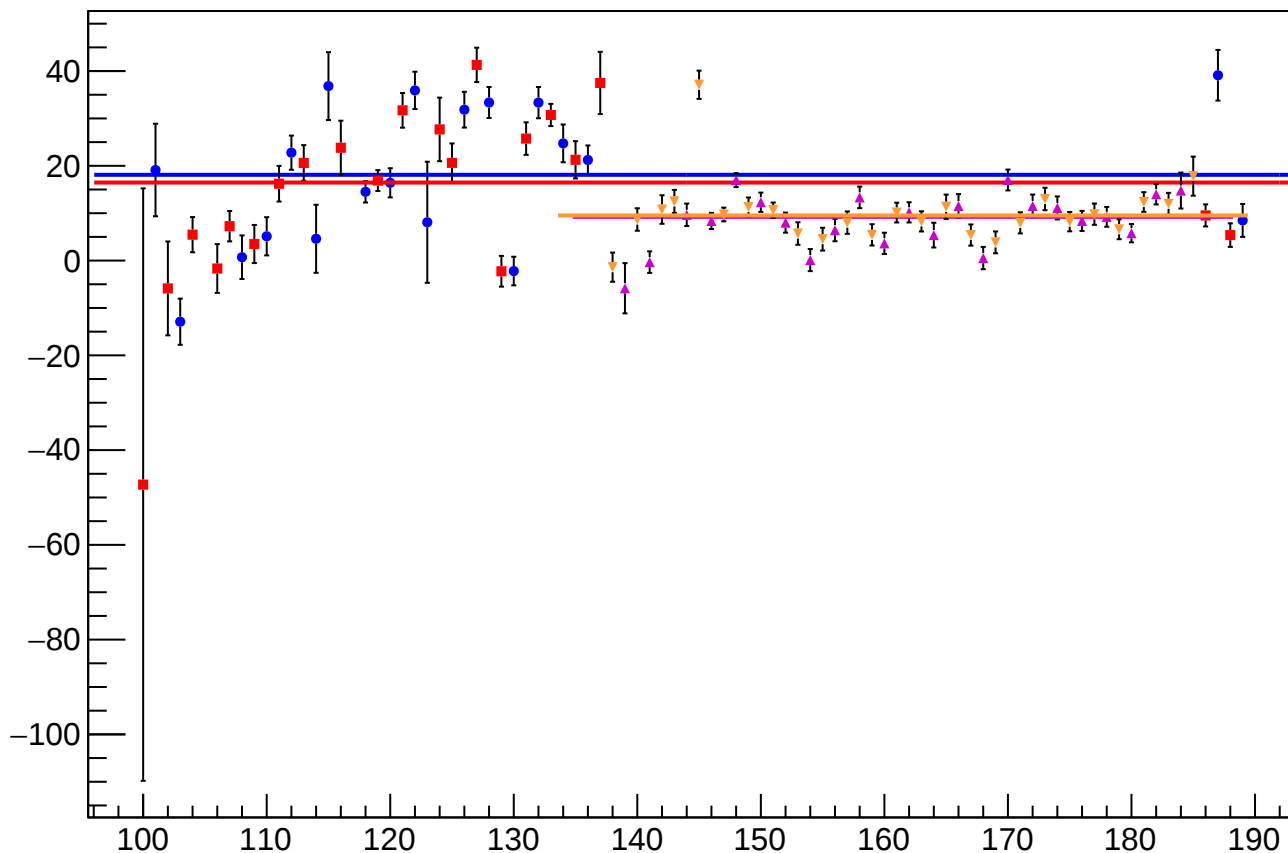
Left In: -49.432 ± 0.584 $\chi^2/\text{NDF}: 543.4/22$

+ sign -55.213 ± 0.556 $\chi^2/\text{NDF}: 1877.8/26$

All: -57.374 ± 0.384 $\chi^2/\text{NDF}: 5427.1/51$

- sign -59.358 ± 0.532 $\chi^2/\text{NDF}: 3520.3/24$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.104 $\pm$ 0.876 χ^2 /NDF: 229.7/18

Left Out: 9.530 $\pm$ 0.446 χ^2 /NDF: 134.4/24

Right Out: 16.473 $\pm$ 0.770 χ^2 /NDF: 234.9/20

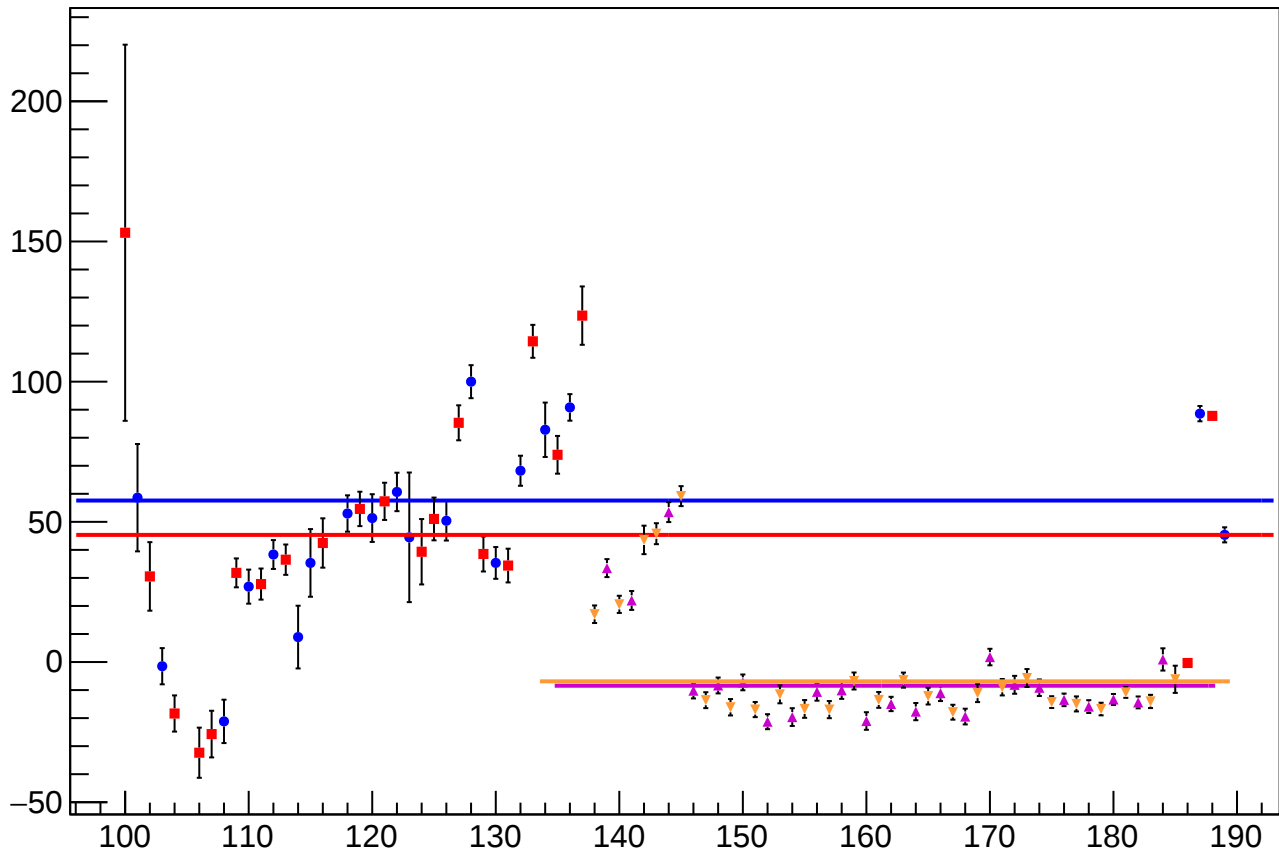
Left In: 9.231 $\pm$ 0.462 χ^2 /NDF: 124.0/22

+ sign 11.294 $\pm$ 0.397 χ^2 /NDF: 440.1/43

All: 11.220 $\pm$ 0.280 χ^2 /NDF: 864.2/87

- sign 11.146 $\pm$ 0.396 χ^2 /NDF: 424.0/43

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 57.599 ± 1.263 $\chi^2/\text{NDF}: 529.0/18$

Left Out: -6.888 ± 0.571 $\chi^2/\text{NDF}: 914.2/24$

Right Out: 45.344 ± 0.873 $\chi^2/\text{NDF}: 2323.2/20$

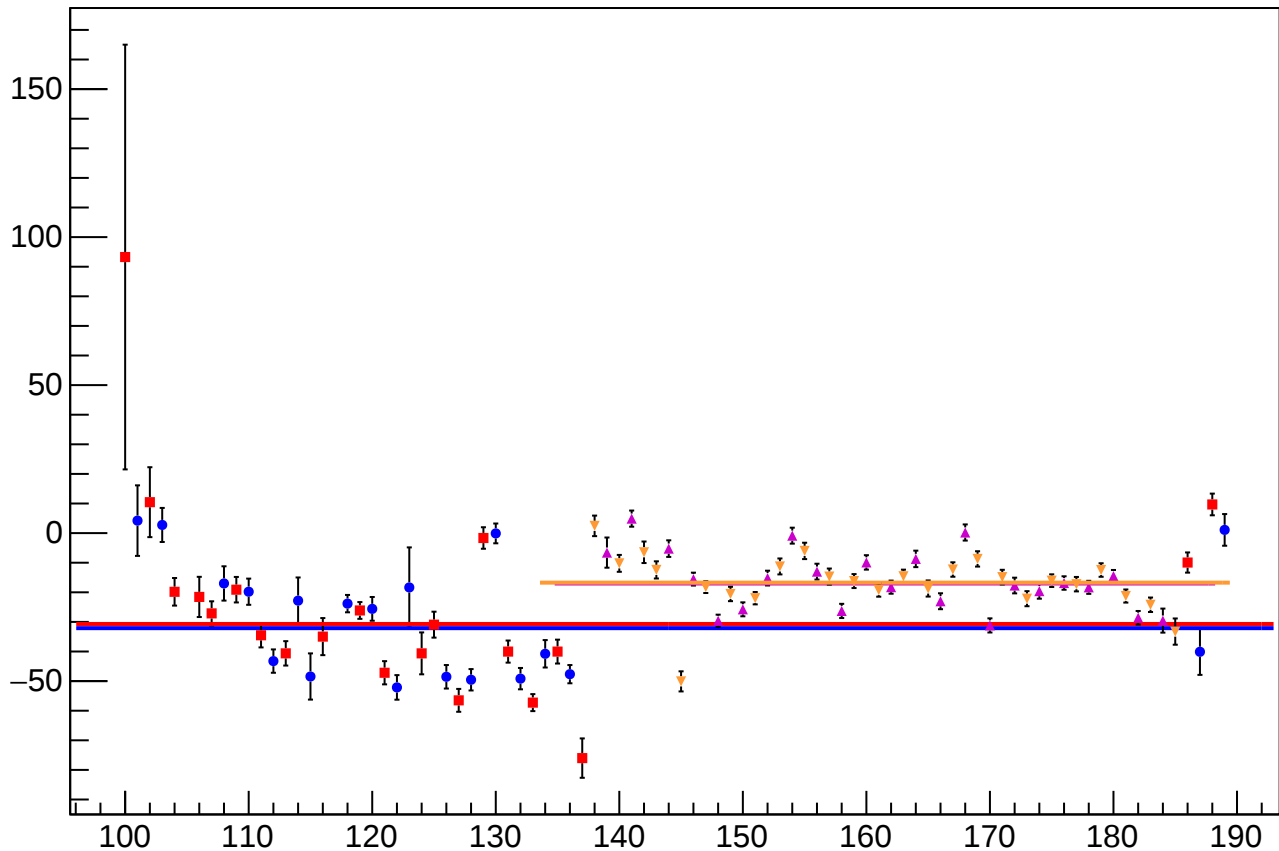
Left In: -8.451 ± 0.580 $\chi^2/\text{NDF}: 688.9/22$

+ sign 4.049 ± 0.520 $\chi^2/\text{NDF}: 3606.6/43$

All: 6.176 ± 0.354 $\chi^2/\text{NDF}: 9283.8/87$

- sign 8.010 ± 0.483 $\chi^2/\text{NDF}: 5646.1/43$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -32.113 ± 1.017 χ^2/NDF : 332.1/18

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -30.697 ± 0.923 χ^2/NDF : 470.4/20

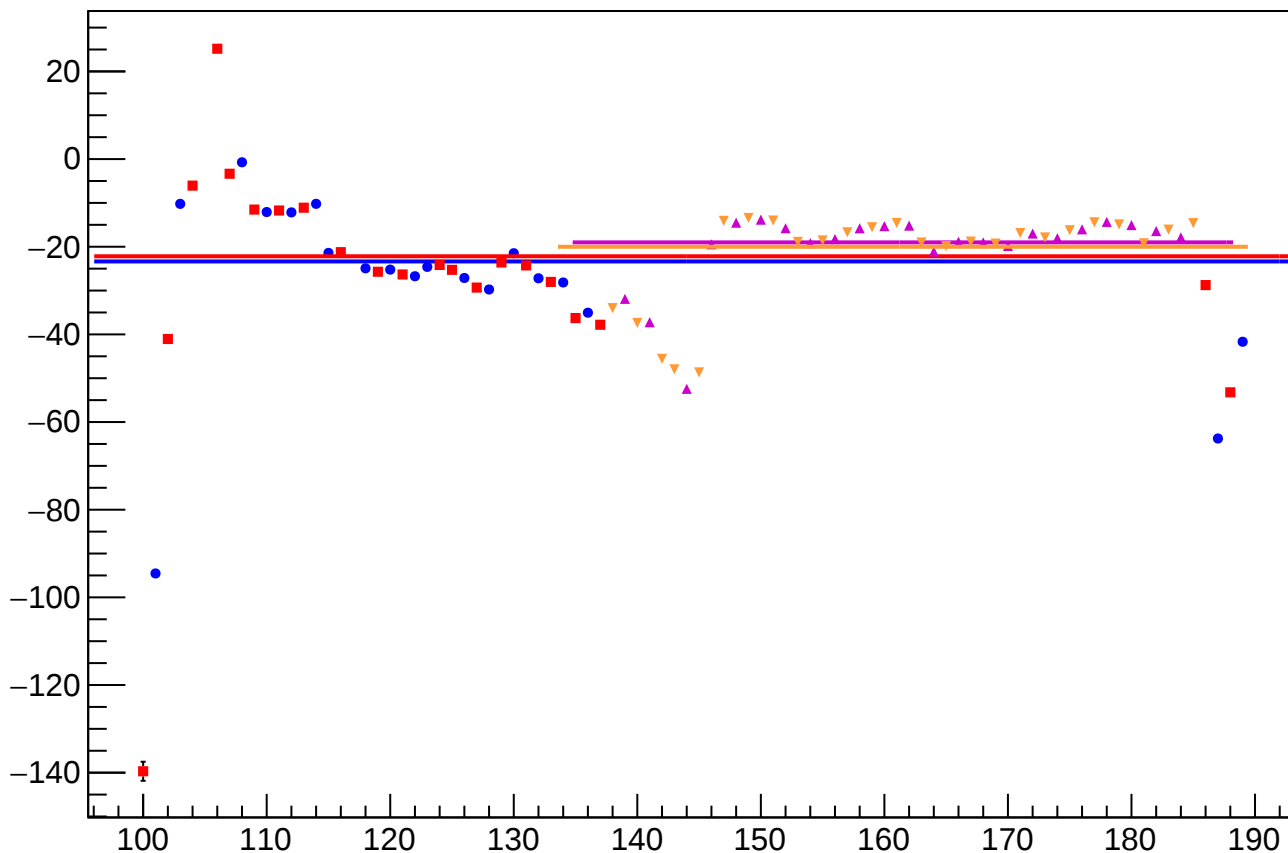
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.790 ± 0.454 χ^2/NDF : 738.6/43

All: -20.063 ± 0.321 χ^2/NDF : 1703.6/87

- sign -20.337 ± 0.454 χ^2/NDF : 964.4/43

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -23.354 ± 0.057 χ^2/NDF : 64703.4/18

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -22.178 ± 0.053 χ^2/NDF : 117026.6/20

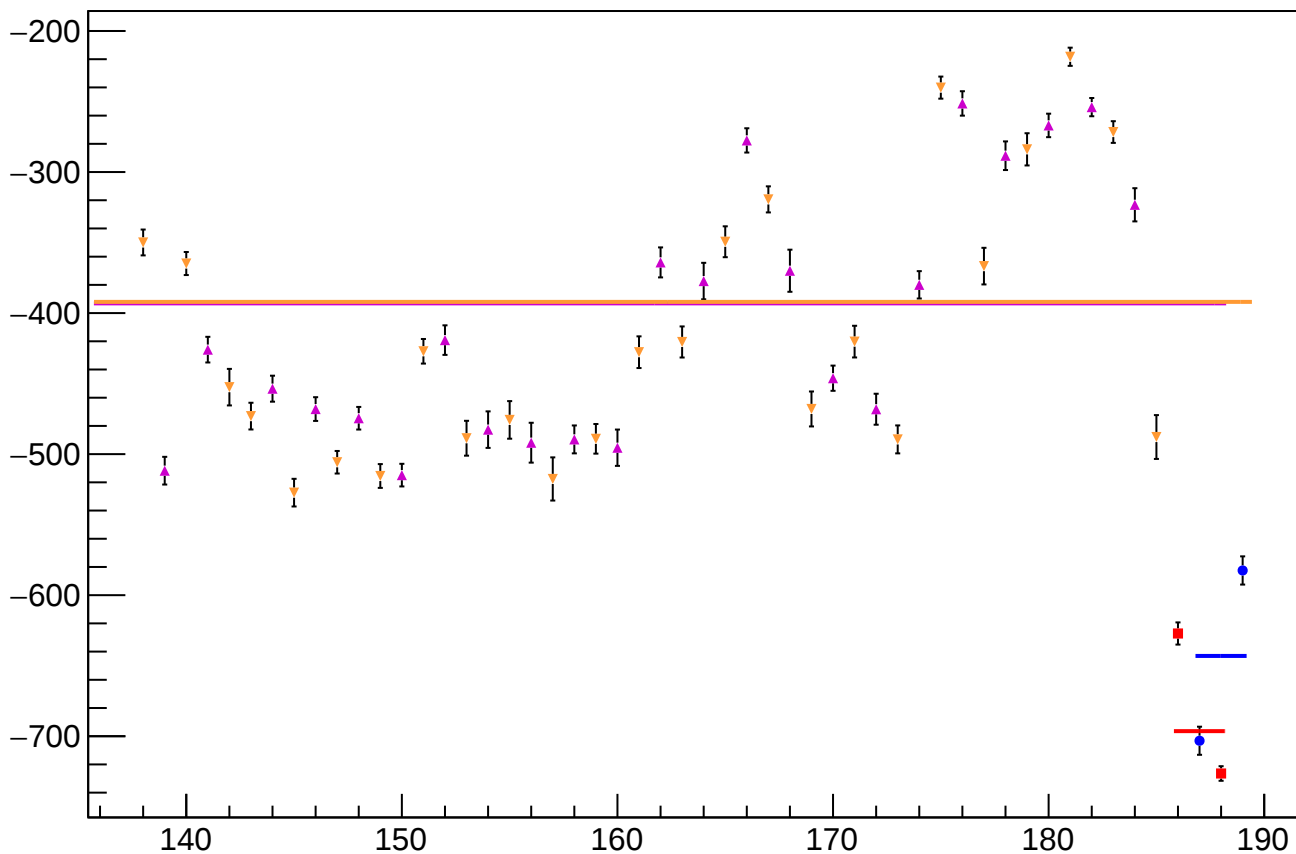
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -20.490 ± 0.022 χ^2/NDF : 213313.6/43

All: -20.012 ± 0.015 χ^2/NDF : 425159.8/87

- sign -19.531 ± 0.022 χ^2/NDF : 210859.6/43

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -643.077+/-7.059 χ^2/NDF : 73.1/1

Left Out: -392.054+/-1.967 χ^2/NDF : 2717.2/24

Right Out: -696.396+/-4.325 χ^2/NDF : 111.2/1

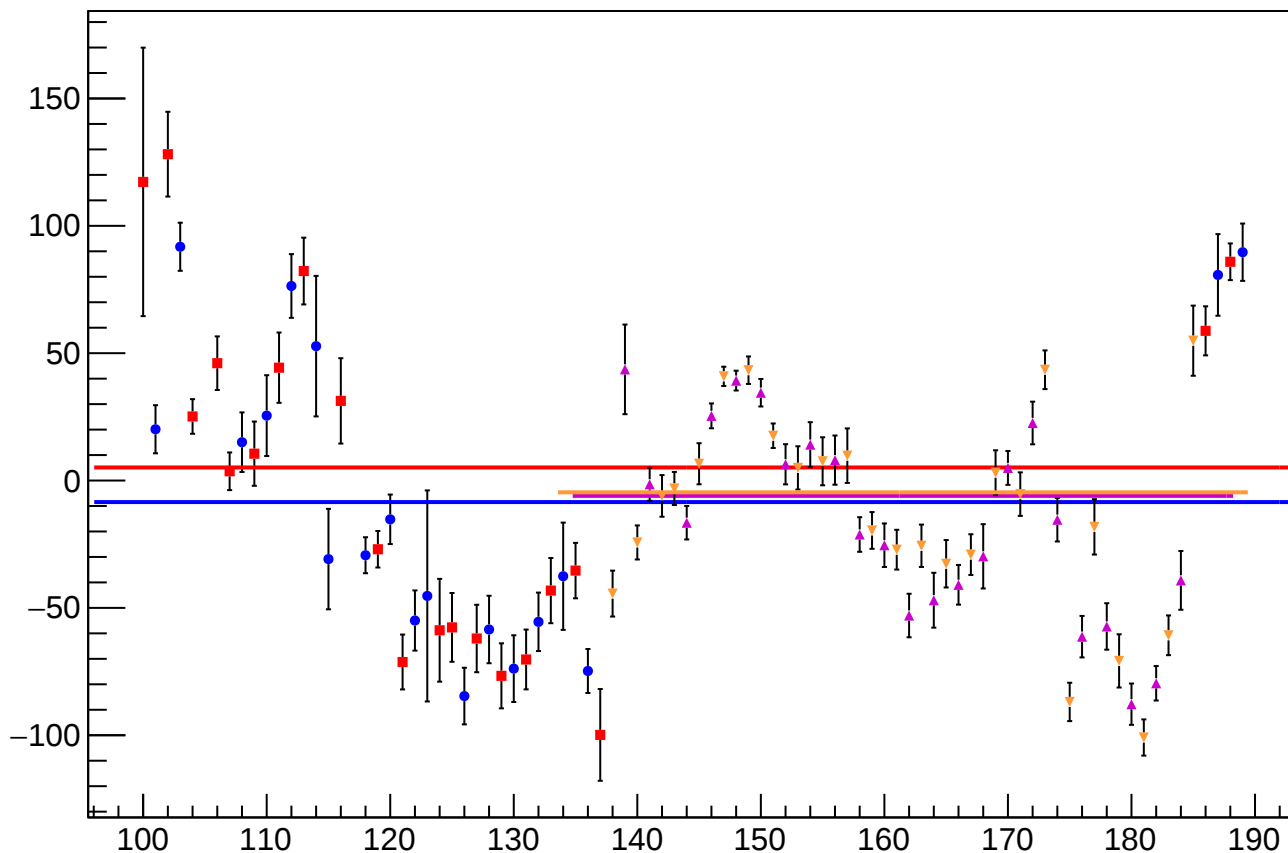
Left In: -393.113+/-2.006 χ^2/NDF : 2253.3/22

+ sign -410.132+/-1.894 χ^2/NDF : 3963.6/26

All: -429.203+/-1.312 χ^2/NDF : 10570.6/51

- sign -446.794+/-1.819 χ^2/NDF : 6412.1/24

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -8.460 ± 2.701 χ^2/NDF : 479.1/18

Left Out: -4.624 ± 1.462 χ^2/NDF : 772.9/24

Right Out: 5.134 ± 2.379 χ^2/NDF : 557.2/20

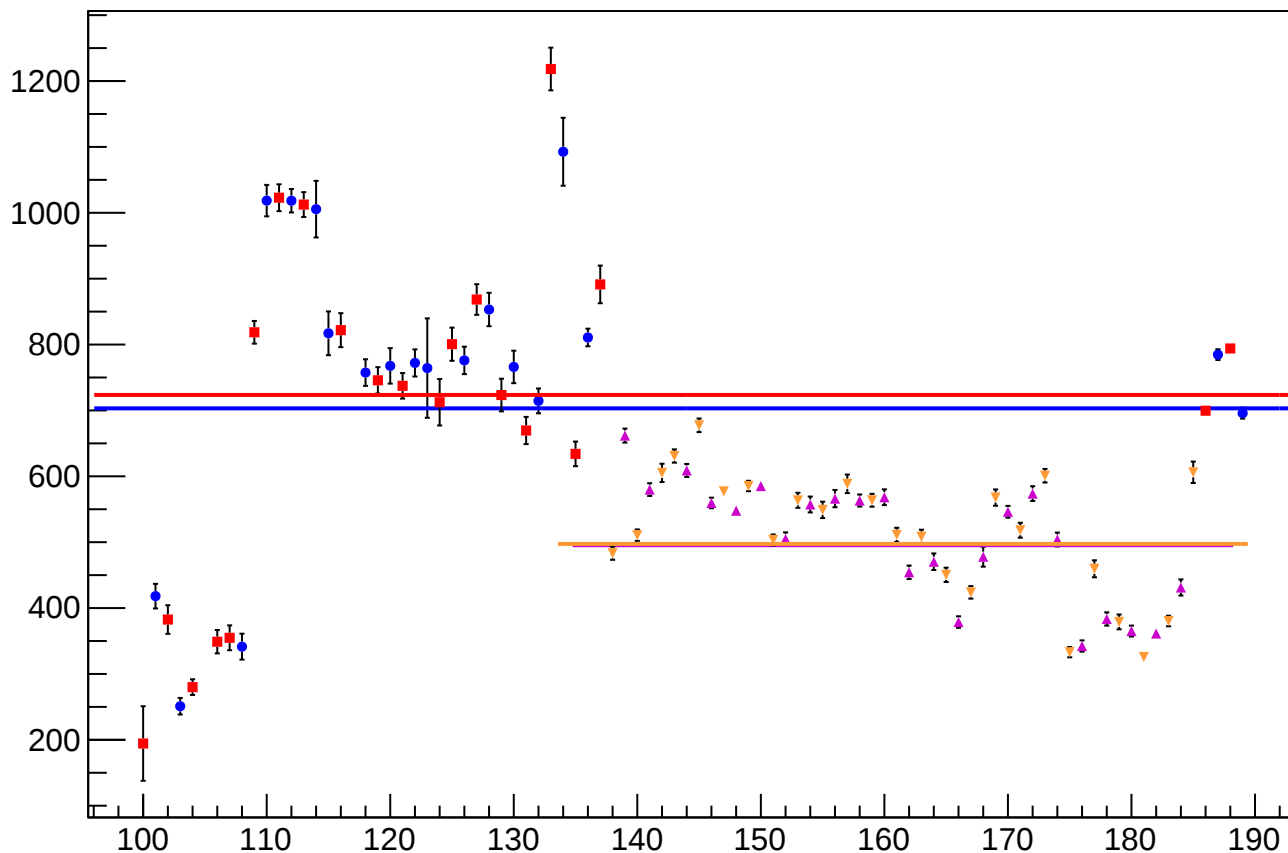
Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -5.493 ± 1.286 χ^2/NDF : 1253.6/43

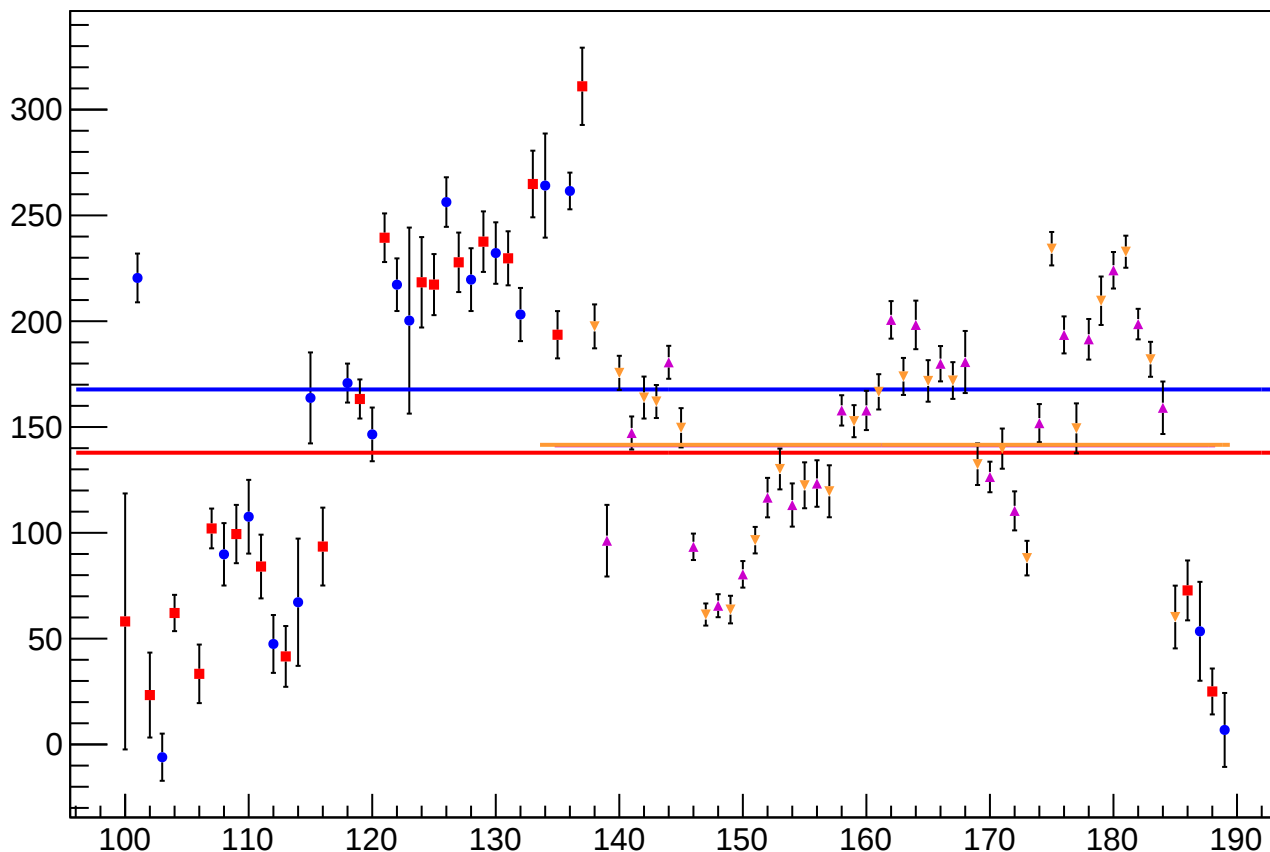
All: -4.137 ± 0.907 χ^2/NDF : 2482.6/87

- sign -2.797 ± 1.279 χ^2/NDF : 1226.9/43

reg_asym_atr2_diff_bpm4eX_slope vs Slug



reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 167.753 $\pm$ 3.162 χ^2 /NDF: 749.9/18

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 137.856 $\pm$ 2.872 χ^2 /NDF: 835.9/20

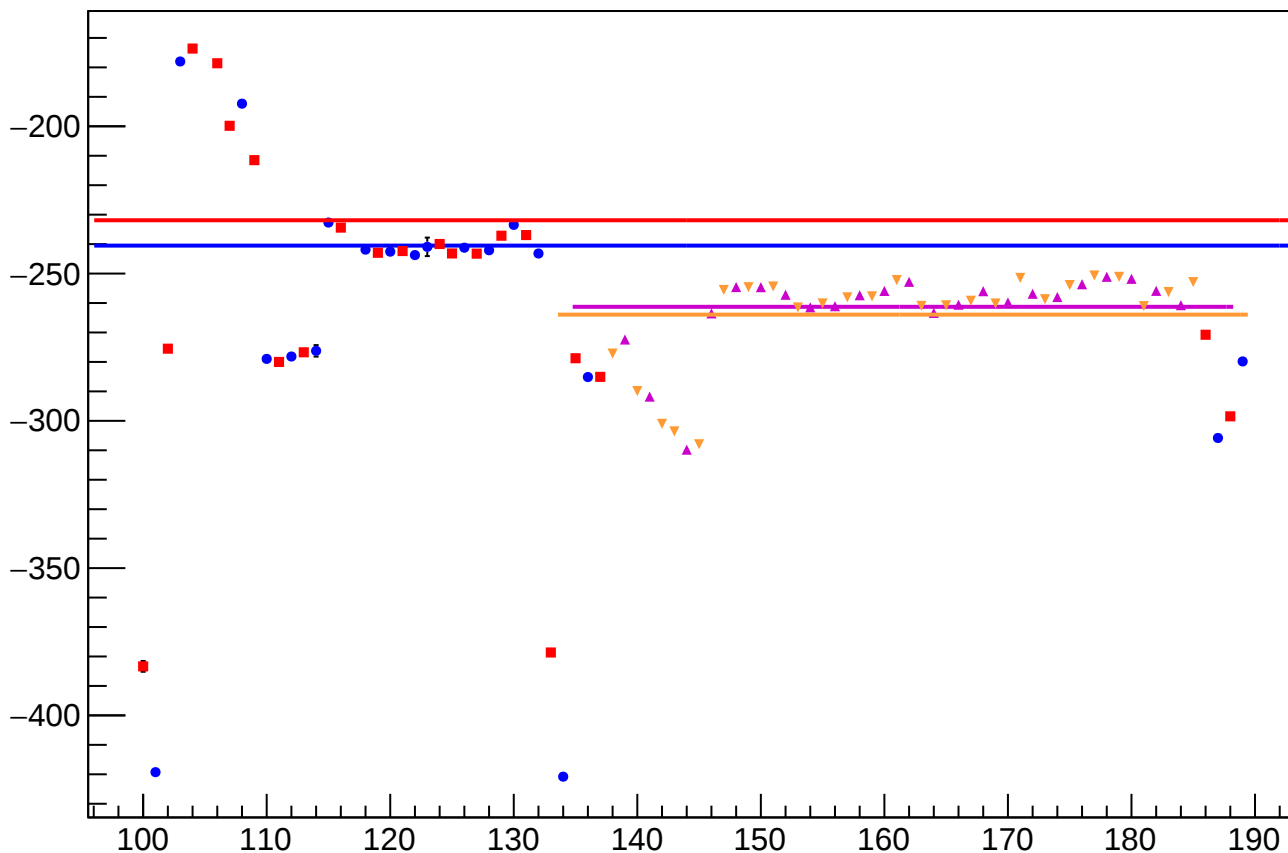
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 147.449 $\pm$ 1.496 χ^2 /NDF: 1762.6/43

All: 143.923 $\pm$ 1.057 χ^2 /NDF: 3351.9/87

- sign 140.413 $\pm$ 1.493 χ^2 /NDF: 1578.2/43

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -240.506 ± 0.157 $\chi^2/\text{NDF}: 171792.1/18$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -231.904 ± 0.145 $\chi^2/\text{NDF}: 118263.3/20$

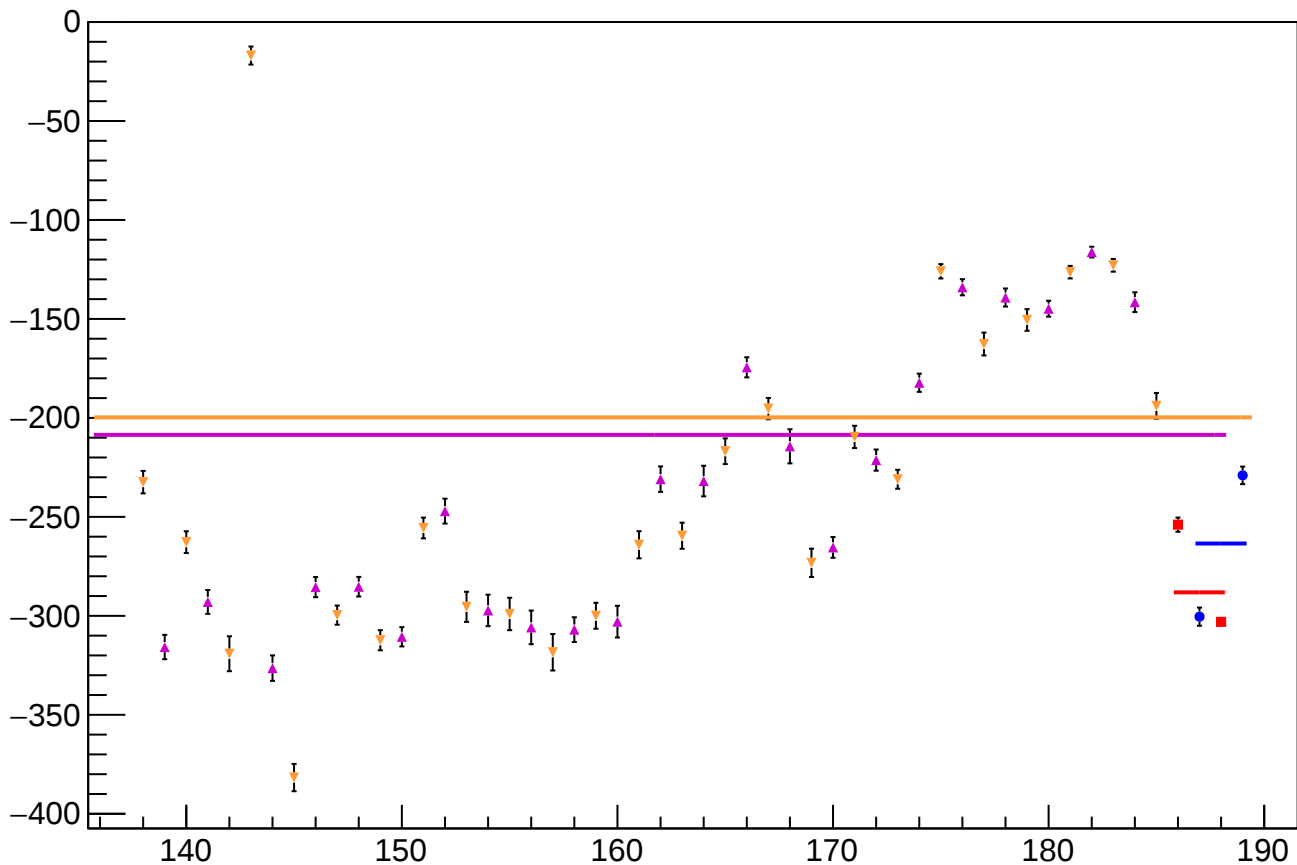
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -258.982 ± 0.072 $\chi^2/\text{NDF}: 228491.1/43$

All: -256.550 ± 0.051 $\chi^2/\text{NDF}: 403471.7/87$

- sign -254.169 ± 0.071 $\chi^2/\text{NDF}: 172730.7/43$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -263.460 ± 3.189 $\chi^2/\text{NDF}: 125.2/1$

Left Out: -199.741 ± 1.061 $\chi^2/\text{NDF}: 6361.5/24$

Right Out: -288.132 ± 1.978 $\chi^2/\text{NDF}: 130.3/1$

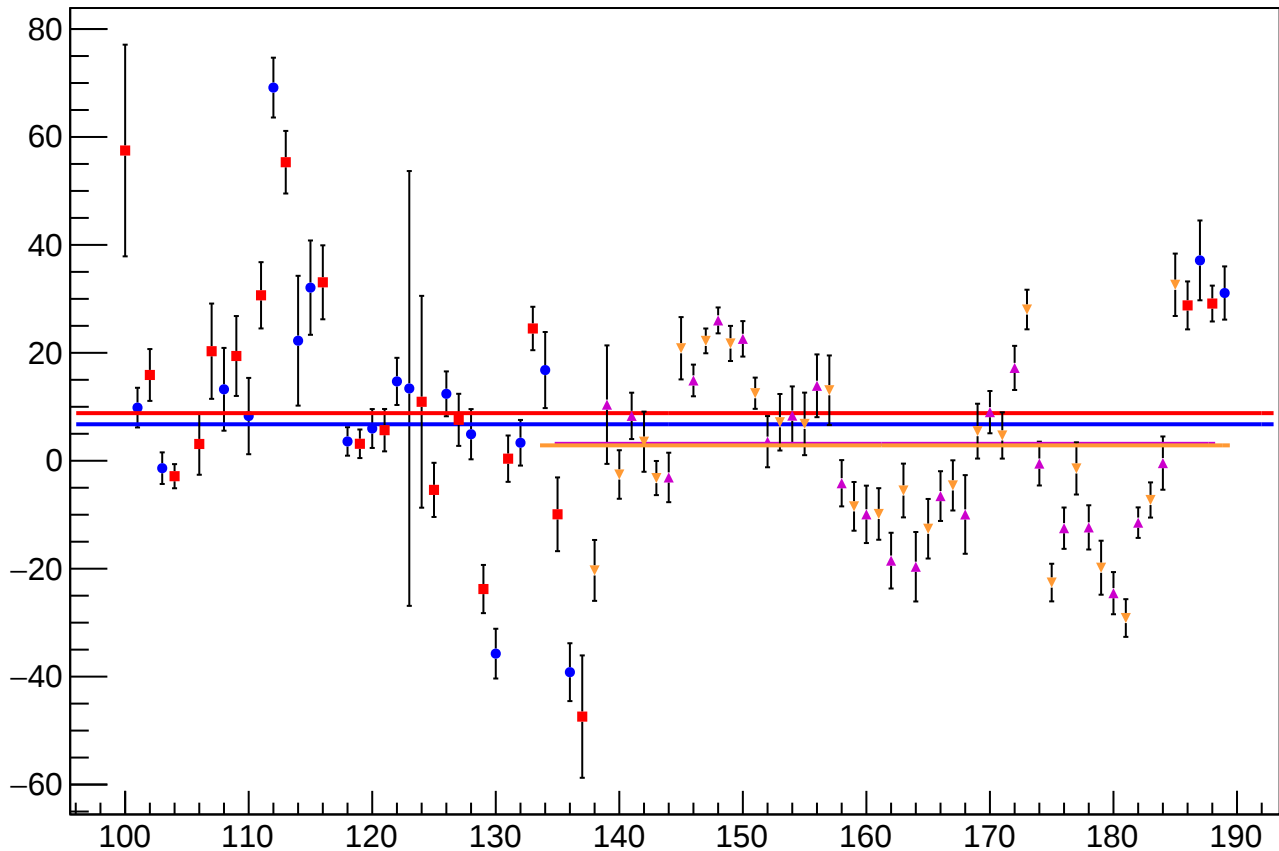
Left In: -208.579 ± 1.082 $\chi^2/\text{NDF}: 4805.1/22$

+ sign -206.093 ± 1.007 $\chi^2/\text{NDF}: 6846.1/26$

All: -217.111 ± 0.691 $\chi^2/\text{NDF}: 13252.6/51$

- sign -226.908 ± 0.949 $\chi^2/\text{NDF}: 6180.3/24$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 6.762 ± 1.069 $\chi^2/\text{NDF}: 355.1/18$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 8.824 ± 0.993 $\chi^2/\text{NDF}: 305.2/20$

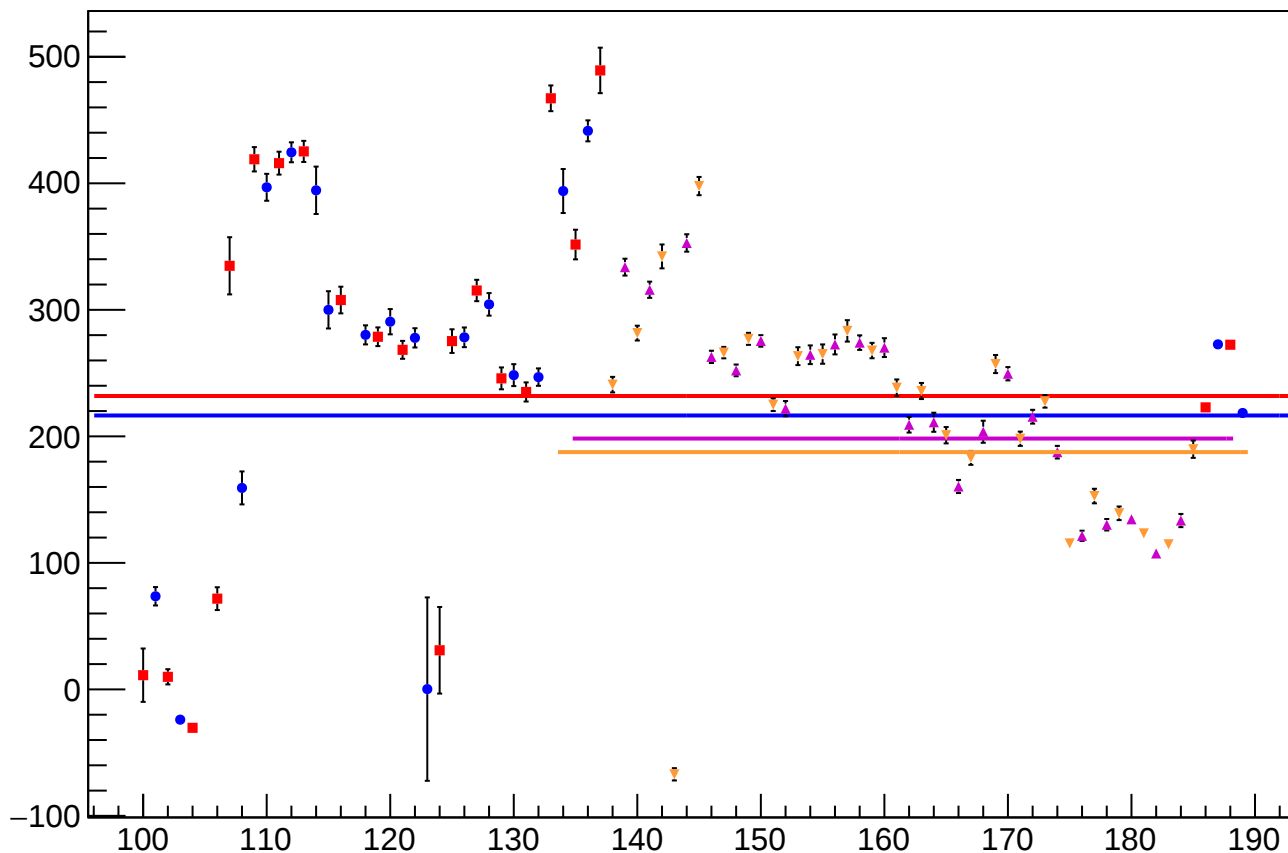
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 4.301 ± 0.651 $\chi^2/\text{NDF}: 783.3/43$

All: 4.934 ± 0.459 $\chi^2/\text{NDF}: 1429.0/87$

- sign 5.563 ± 0.649 $\chi^2/\text{NDF}: 643.8/43$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 216.500 ± 1.591 χ^2/NDF : 7006.1/18

Left Out: 187.565 ± 1.066 χ^2/NDF : 7082.0/24

Right Out: 231.904 ± 1.226 χ^2/NDF : 9077.2/20

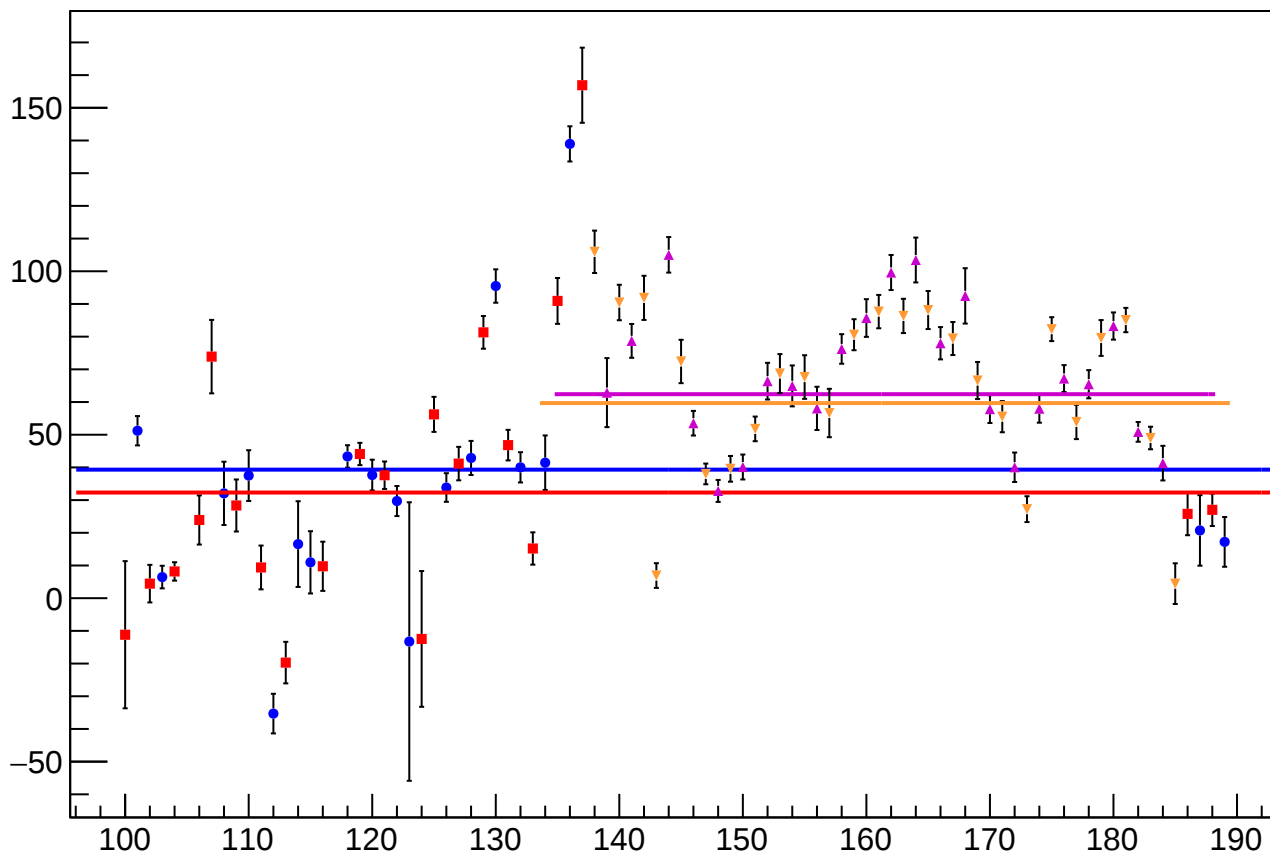
Left In: 198.269 ± 1.082 χ^2/NDF : 4515.8/22

+ sign 196.530 ± 0.885 χ^2/NDF : 14316.5/43

All: 205.483 ± 0.598 χ^2/NDF : 28520.8/87

- sign 212.993 ± 0.811 χ^2/NDF : 14016.4/43

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 39.319 ± 1.259 $\chi^2/\text{NDF}: 745.8/18$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 32.318 ± 1.194 $\chi^2/\text{NDF}: 552.1/20$

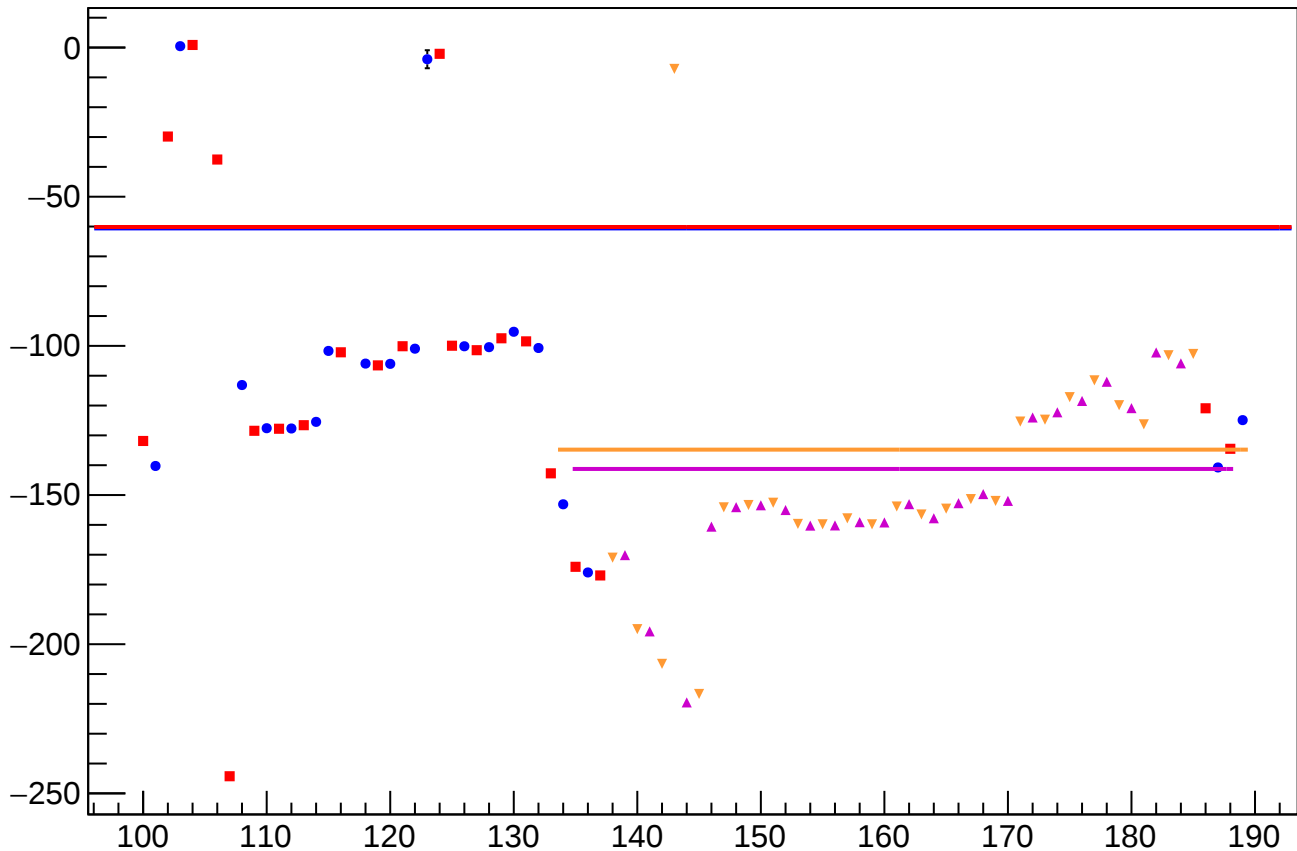
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 52.386 ± 0.754 $\chi^2/\text{NDF}: 1671.3/43$

All: 51.382 ± 0.533 $\chi^2/\text{NDF}: 3014.5/87$

- sign 50.374 ± 0.755 $\chi^2/\text{NDF}: 1339.6/43$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -60.626 ± 0.061 $\chi^2/\text{NDF}: 1154305.0/18$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -60.153 ± 0.058 $\chi^2/\text{NDF}: 1114275.4/20$

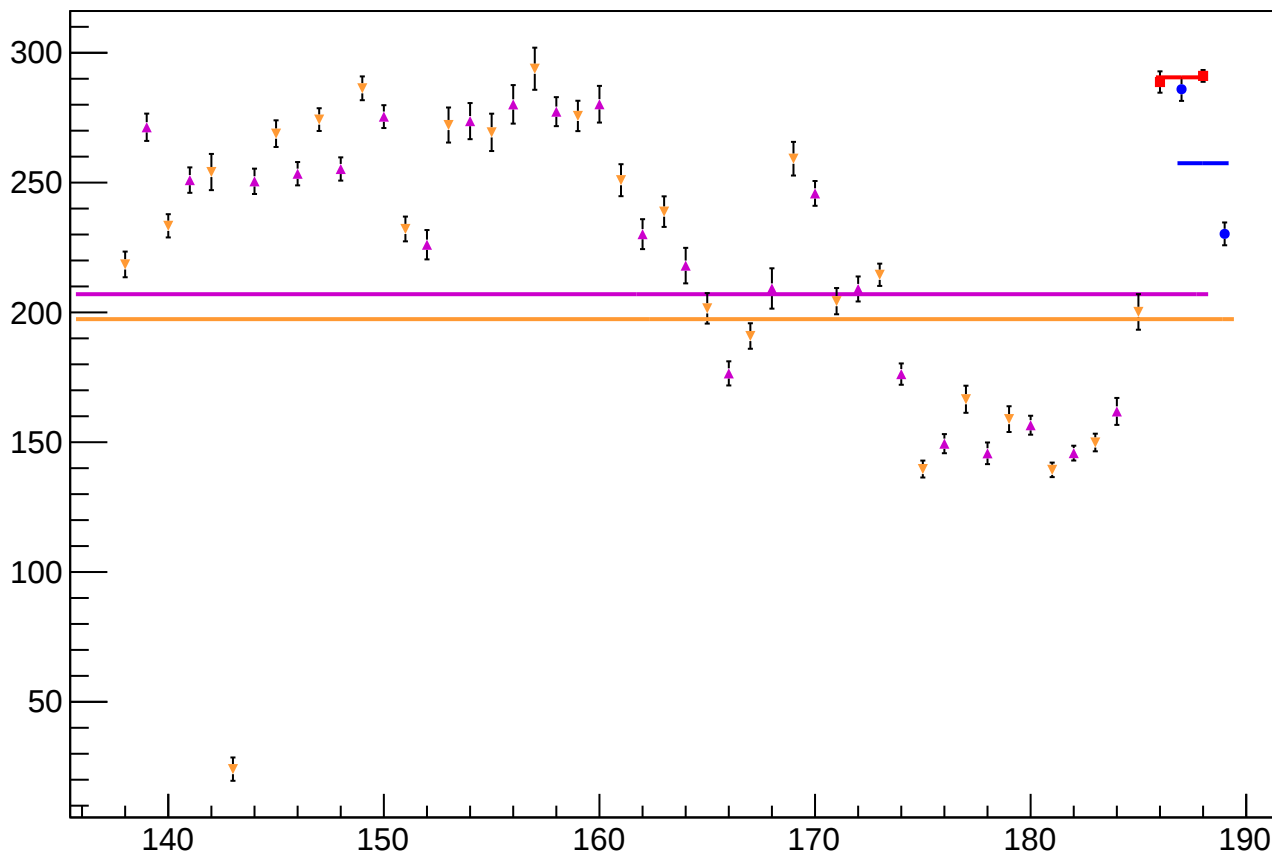
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -108.783 ± 0.036 $\chi^2/\text{NDF}: 2932440.9/43$

All: -109.701 ± 0.025 $\chi^2/\text{NDF}: 5606794.9/87$

- sign -110.613 ± 0.036 $\chi^2/\text{NDF}: 2673047.5/43$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 257.466 $\pm$ 3.144 χ^2 /NDF: 78.5/1

Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF:4384.2/24

Right Out: 290.543 $\pm$ 1.993 χ^2 /NDF: 0.3/1

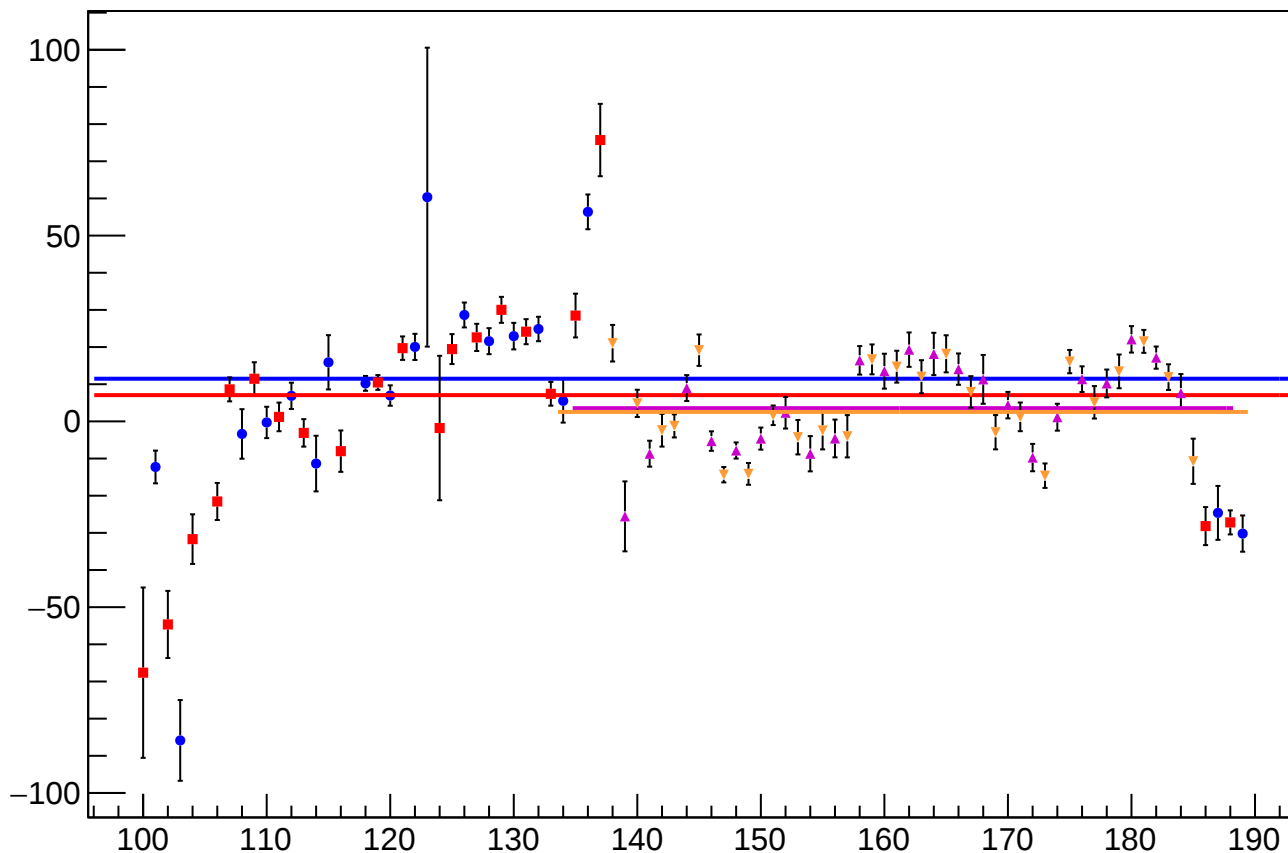
Left In: 207.014 $\pm$ 0.990 χ^2 /NDF:2611.5/22

+ sign 202.558 $\pm$ 0.921 χ^2 /NDF: 4796.3/26

All: 213.447 $\pm$ 0.639 χ^2 /NDF: 9086.2/51

- sign 223.549 $\pm$ 0.887 χ^2 /NDF: 4020.3/24

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 11.481 ± 0.914 χ^2/NDF : 396.2/18

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 7.061 ± 0.867 χ^2/NDF : 480.2/20

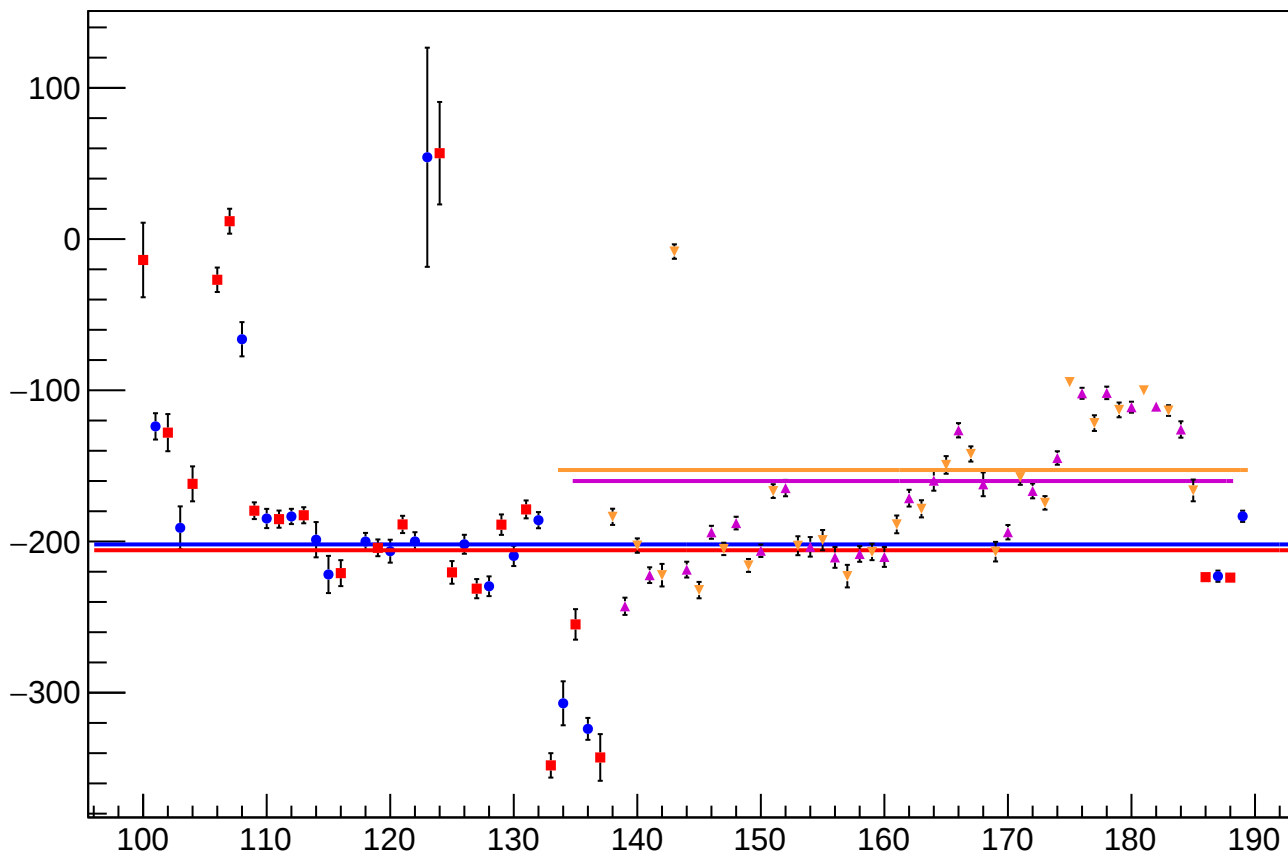
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 6.090 ± 0.576 χ^2/NDF : 729.3/43

All: 5.603 ± 0.408 χ^2/NDF : 1412.1/87

- sign 5.112 ± 0.578 χ^2/NDF : 681.3/43

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.937 $\pm$ 1.484 χ^2/NDF : 682.4/18

Left Out: -152.738 $\pm$ 0.967 χ^2/NDF :3077.8/24

Right Out: -205.794 $\pm$ -1.167 χ^2/NDF : 2013.9/20

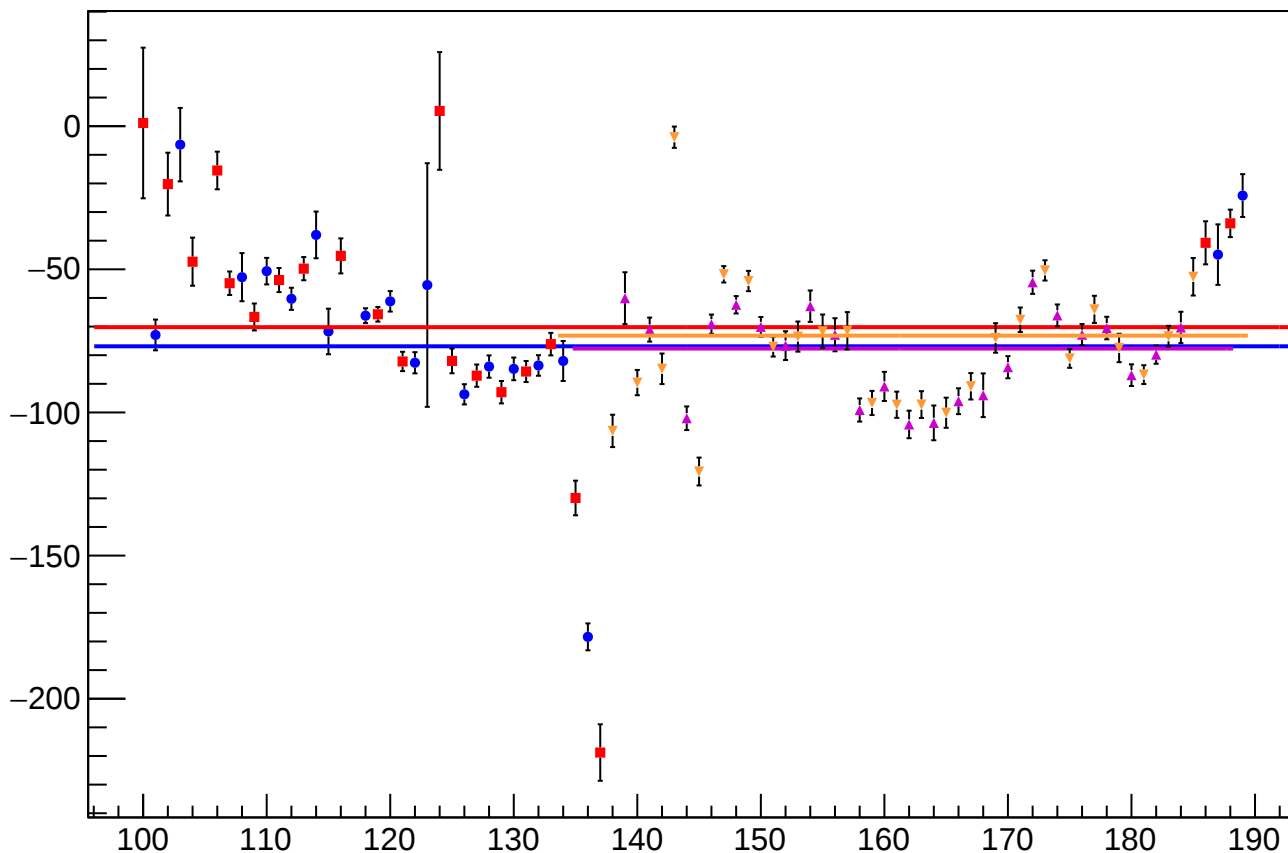
Left In: -160.021 $\pm$ -0.989 χ^2/NDF :2024.4/22

+ sign -167.407 $\pm$ -0.810 χ^2/NDF : 4532.0/43

All: -173.691 $\pm$ -0.552 χ^2/NDF : 9578.0/87

- sign -179.142 $\pm$ -0.754 χ^2/NDF : 4933.6/43

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -76.892 ± 1.067 χ^2/NDF : 710.4/18

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -70.205 ± 1.020 χ^2/NDF : 682.8/20

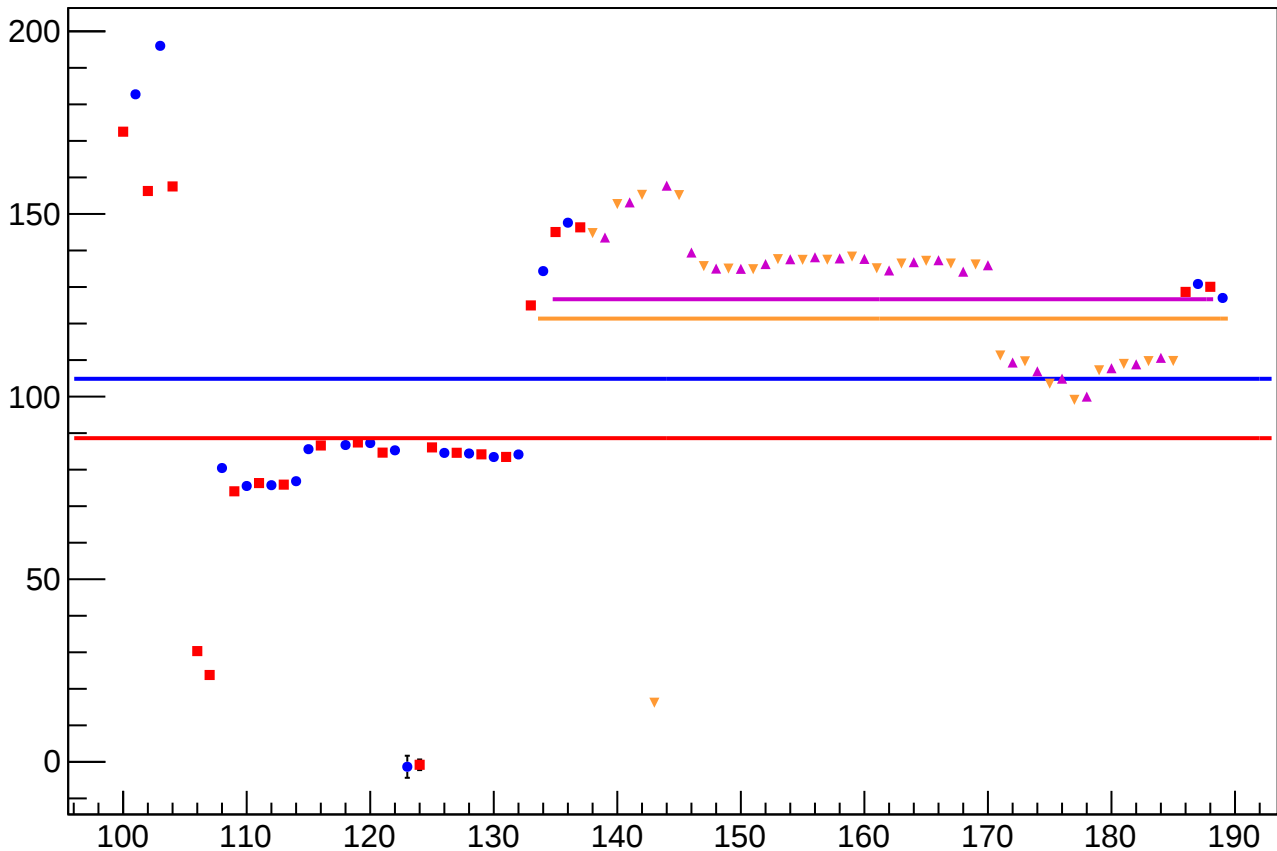
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -74.614 ± 0.665 χ^2/NDF : 1506.4/43

All: -74.545 ± 0.471 χ^2/NDF : 2468.2/87

- sign -74.476 ± 0.667 χ^2/NDF : 961.7/43

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 104.873 $\pm$ 0.069 χ^2 /NDF: 279134.2/18

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 88.621 $\pm$ 0.061 χ^2 /NDF: 461750.5/20

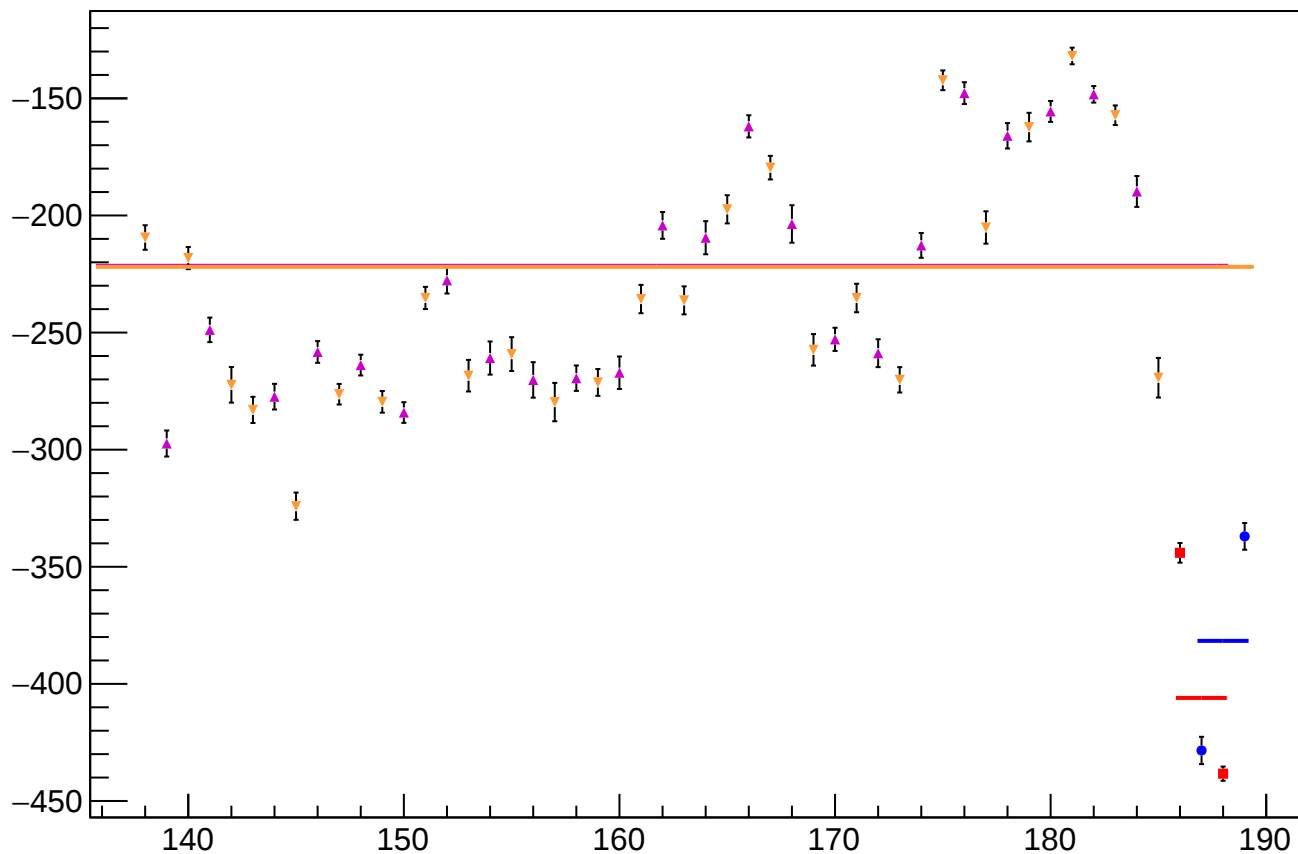
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 117.163 $\pm$ 0.035 χ^2 /NDF: 803661.0/43

All: 115.982 $\pm$ 0.024 χ^2 /NDF: 1696814.6/87

- sign 114.848 $\pm$ 0.034 χ^2 /NDF: 890897.3/43

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -381.628+/-4.074 χ^2/NDF : 125.8/1

Left Out: -221.934+/-1.084 χ^2/NDF : 2578.4/24

Right Out: -405.998+/-2.462 χ^2/NDF : 330.6/1

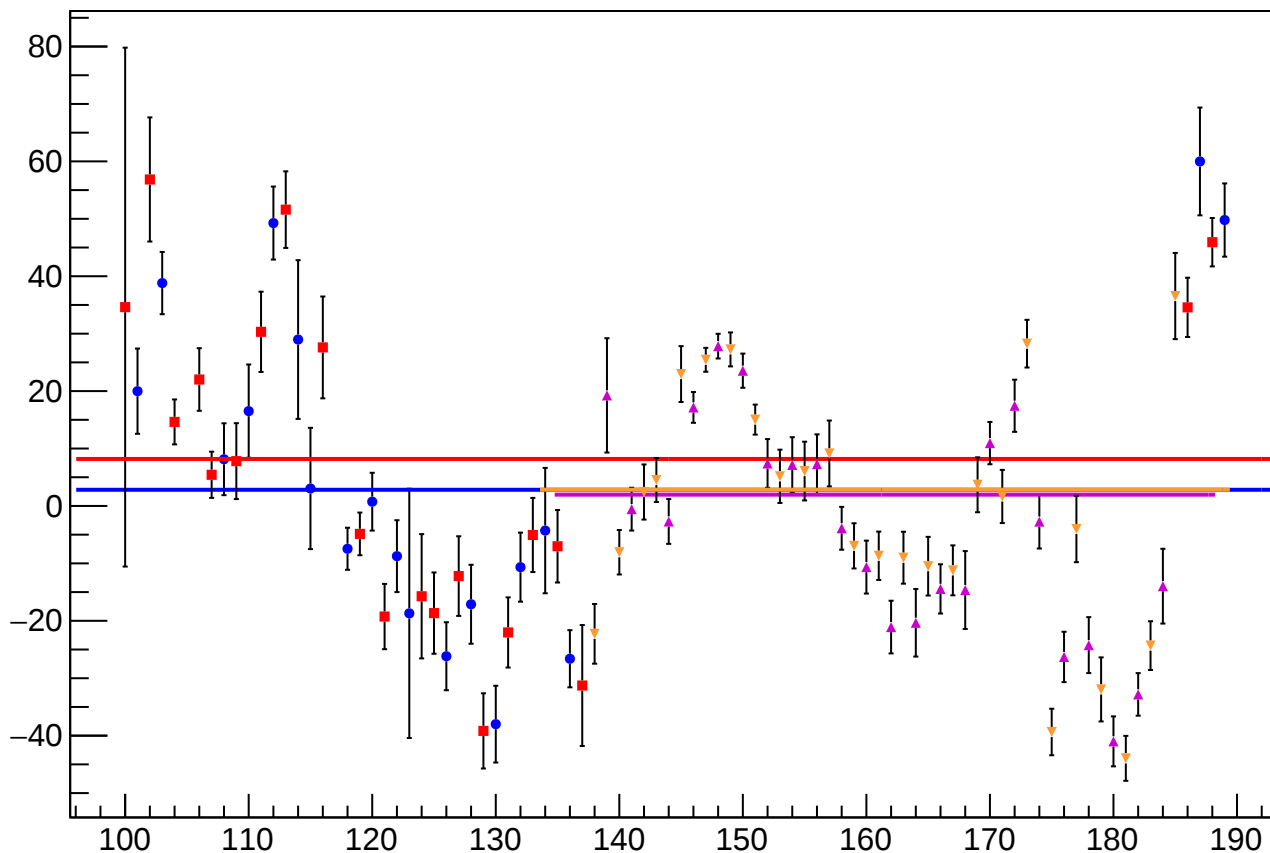
Left In: -221.483+/-1.102 χ^2/NDF : 2149.8/22

+ sign -232.500+/-1.048 χ^2/NDF : 4139.0/26

All: -242.799+/-0.726 χ^2/NDF : 11483.9/51

- sign -252.290+/-1.006 χ^2/NDF : 7159.3/24

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 2.817 ± 1.478 $\chi^2/\text{NDF}: 323.9/18$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 8.184 ± 1.288 $\chi^2/\text{NDF}: 358.2/20$

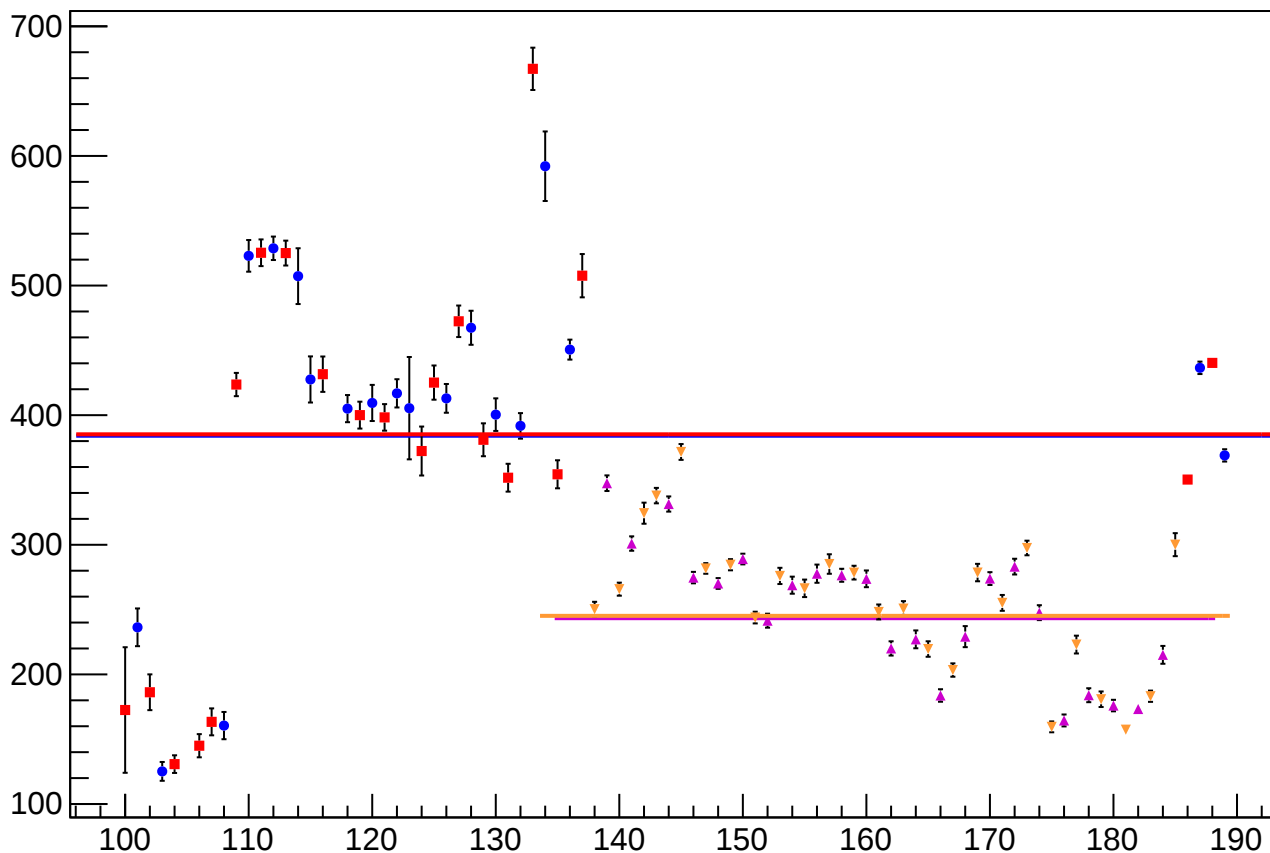
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 2.829 ± 0.708 $\chi^2/\text{NDF}: 1010.8/43$

All: 3.324 ± 0.498 $\chi^2/\text{NDF}: 1975.4/87$

- sign 3.808 ± 0.700 $\chi^2/\text{NDF}: 963.6/43$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 384.145 ± 2.147 χ^2/NDF : 2579.9/18

Left Out: 245.179 ± 1.082 χ^2/NDF : 2597.4/24

Right Out: 385.230 ± 1.564 χ^2/NDF : 4279.5/20

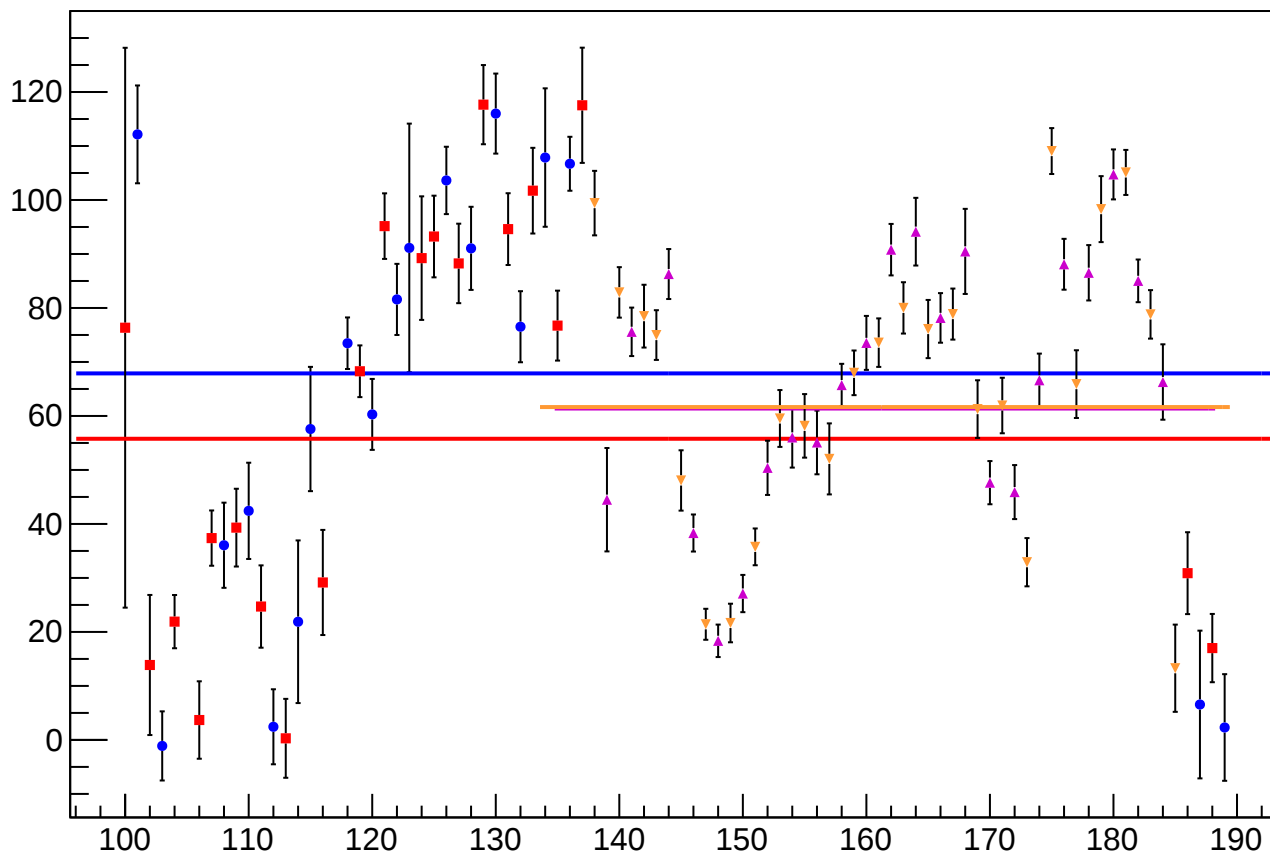
Left In: 243.366 ± 1.094 χ^2/NDF : 2236.7/22

+ sign 273.327 ± 0.966 χ^2/NDF : 8518.3/43

All: 282.263 ± 0.657 χ^2/NDF : 20719.2/87

- sign 289.951 ± 0.896 χ^2/NDF : 12041.8/43

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 67.883 $\pm$ 1.726 χ^2/NDF : 491.4/18

Left Out: 61.647 $\pm$ 0.936 χ^2/NDF : 871.5/24

Right Out: 55.776 $\pm$ 1.548 χ^2/NDF : 543.0/20

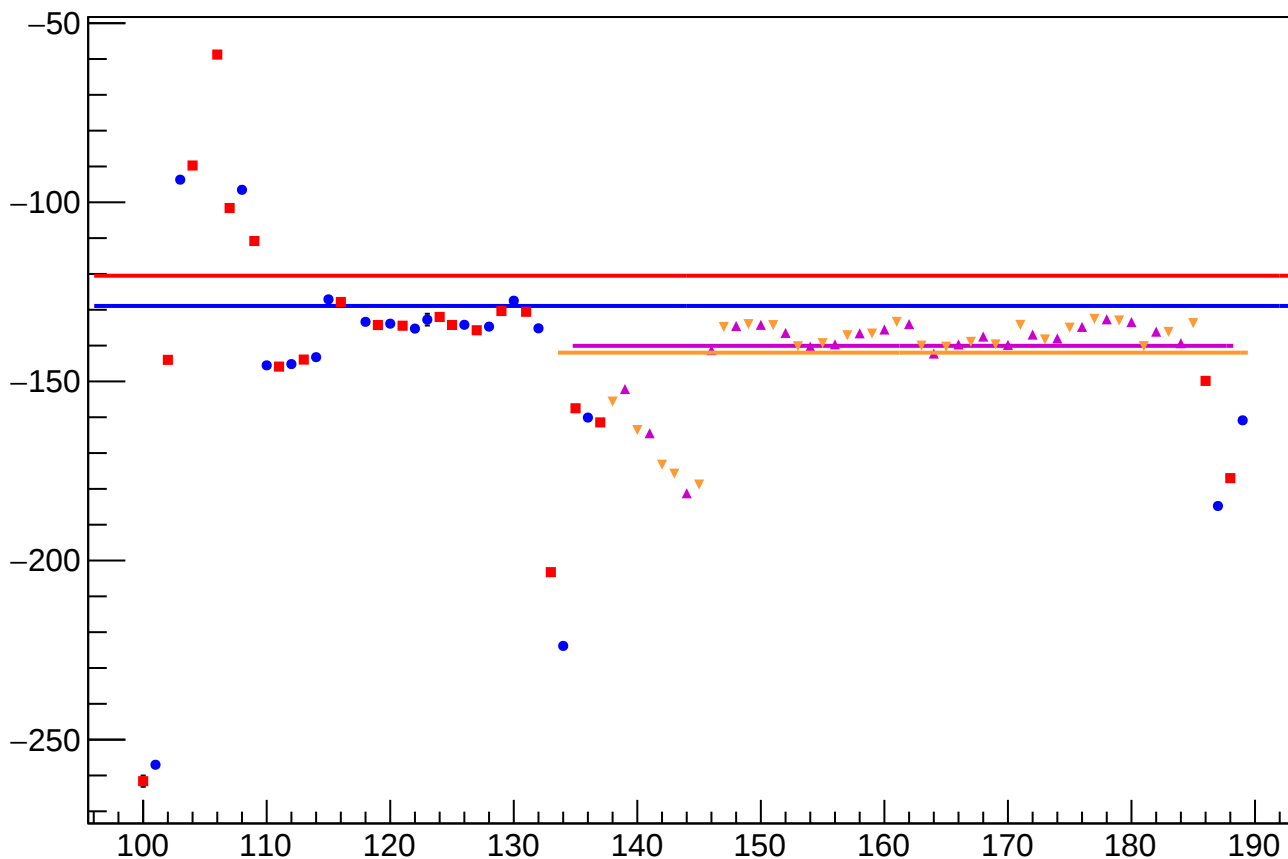
Left In: 61.375 $\pm$ 0.961 χ^2/NDF : 699.7/22

+ sign 63.064 $\pm$ 0.823 χ^2/NDF : 1373.1/43

All: 61.428 $\pm$ 0.580 χ^2/NDF : 2633.0/87

- sign 59.818 $\pm$ 0.817 χ^2/NDF : 1252.1/43

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -128.934 ± 0.088 $\chi^2/\text{NDF}: 177196.3/18$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -120.497 ± 0.080 $\chi^2/\text{NDF}: 201617.7/20$

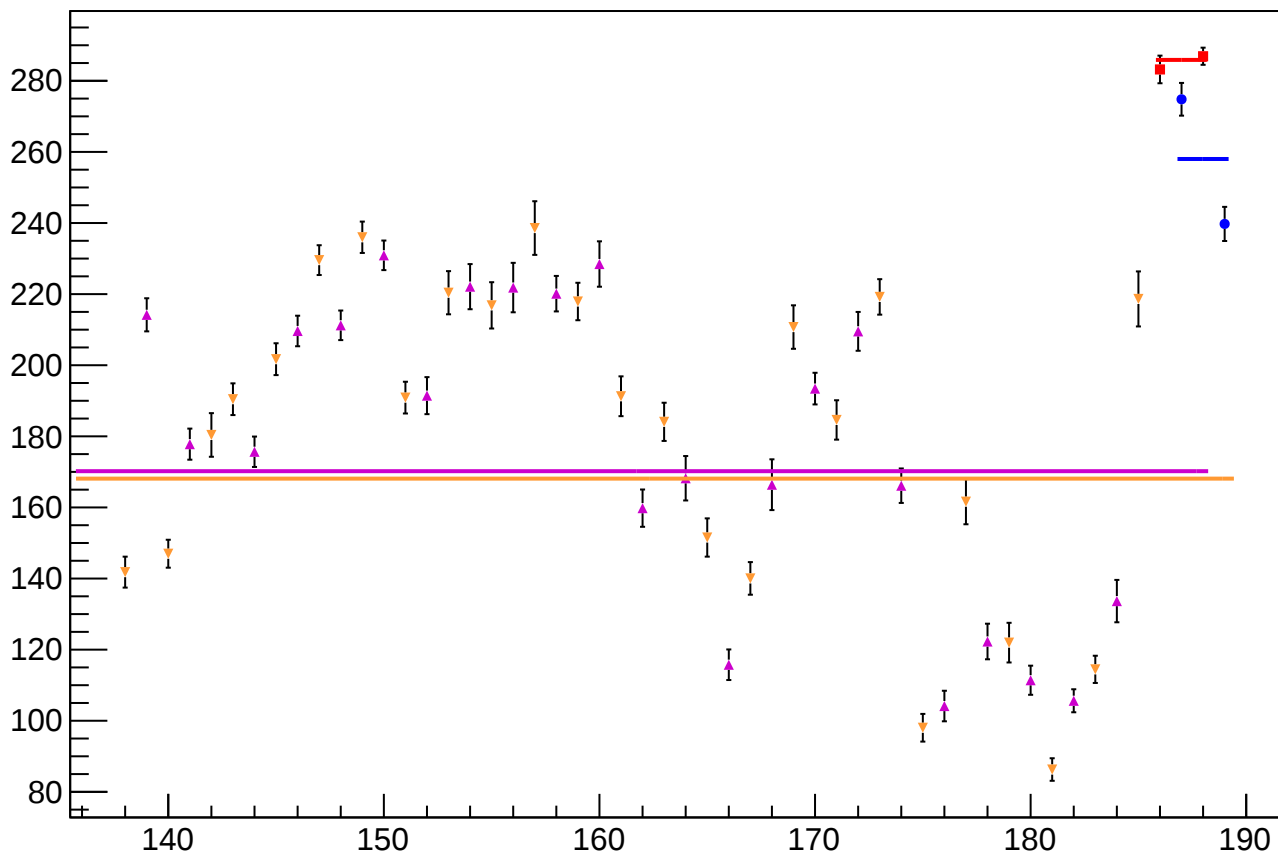
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -139.282 ± 0.040 $\chi^2/\text{NDF}: 274980.3/43$

All: -137.276 ± 0.028 $\chi^2/\text{NDF}: 575353.9/87$

- sign -135.335 ± 0.039 $\chi^2/\text{NDF}: 295384.9/43$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 258.011 ± 3.322 χ^2/NDF : 27.8/1

Left Out: 168.106 ± 0.970 χ^2/NDF : 2468.8/24

Right Out: 285.879 ± 2.048 χ^2/NDF : 0.7/1

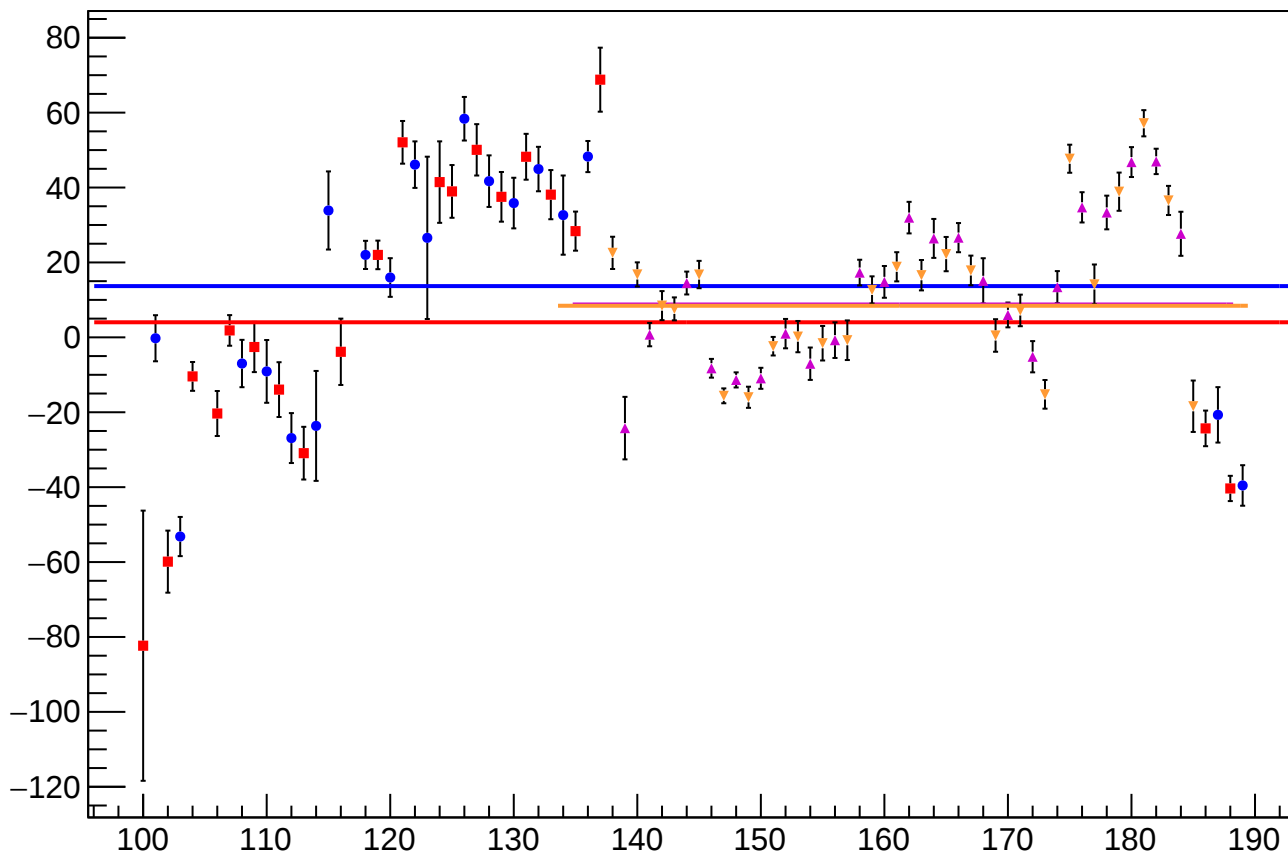
Left In: 170.198 ± 0.995 χ^2/NDF : 2024.5/22

+ sign 175.173 ± 0.931 χ^2/NDF : 3171.6/26

All: 184.072 ± 0.645 χ^2/NDF : 7952.5/51

- sign 192.296 ± 0.895 χ^2/NDF : 4605.3/24

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 13.684 ± 1.421 $\chi^2/\text{NDF}: 571.3/18$

Left Out: 8.436 ± 0.728 $\chi^2/\text{NDF}: 752.0/24$

Right Out: 4.024 ± 1.241 $\chi^2/\text{NDF}: 695.8/20$

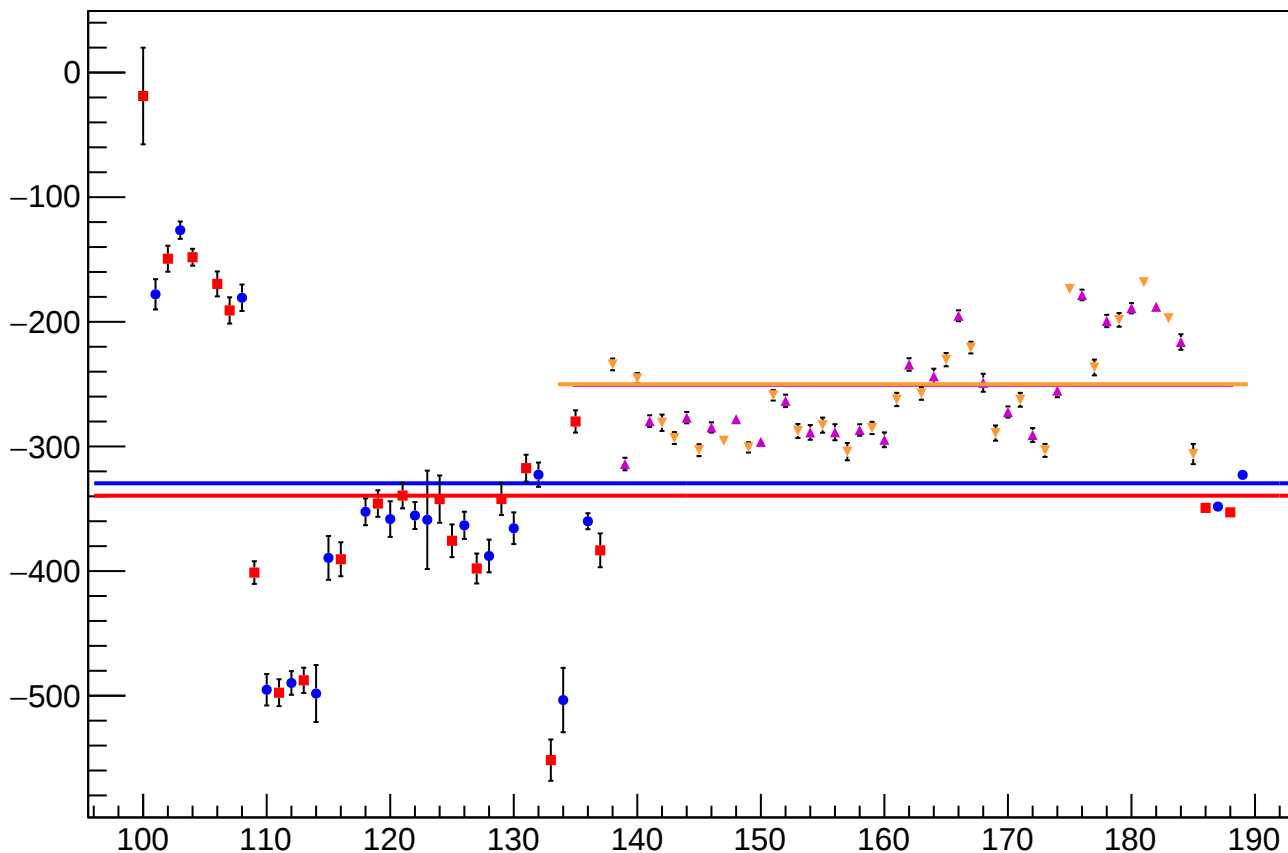
Left In: 8.769 ± 0.758 $\chi^2/\text{NDF}: 626.8/22$

+ sign 9.527 ± 0.648 $\chi^2/\text{NDF}: 1334.2/43$

All: 8.502 ± 0.458 $\chi^2/\text{NDF}: 2672.5/87$

- sign 7.479 ± 0.647 $\chi^2/\text{NDF}: 1333.3/43$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -329.558 ± 1.918 χ^2/NDF : 1879.7/18

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -339.494 ± 1.376 χ^2/NDF : 2490.7/20

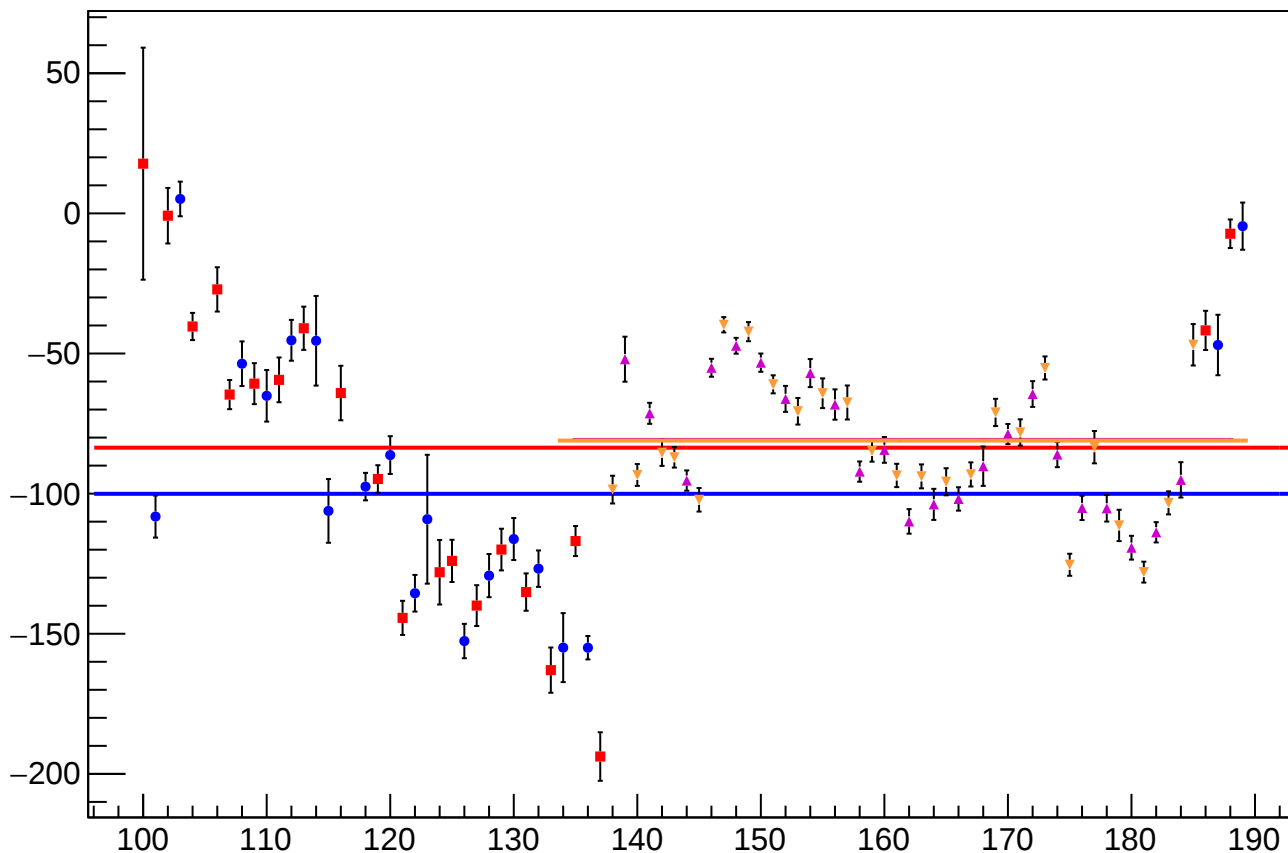
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -266.357 ± 0.867 χ^2/NDF : 5491.1/43

All: -274.205 ± 0.590 χ^2/NDF : 12818.1/87

- sign -280.947 ± 0.804 χ^2/NDF : 7174.8/43

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -100.064 ± 1.661 χ^2/NDF : 897.3/18

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -83.600 ± 1.501 χ^2/NDF : 1123.8/20

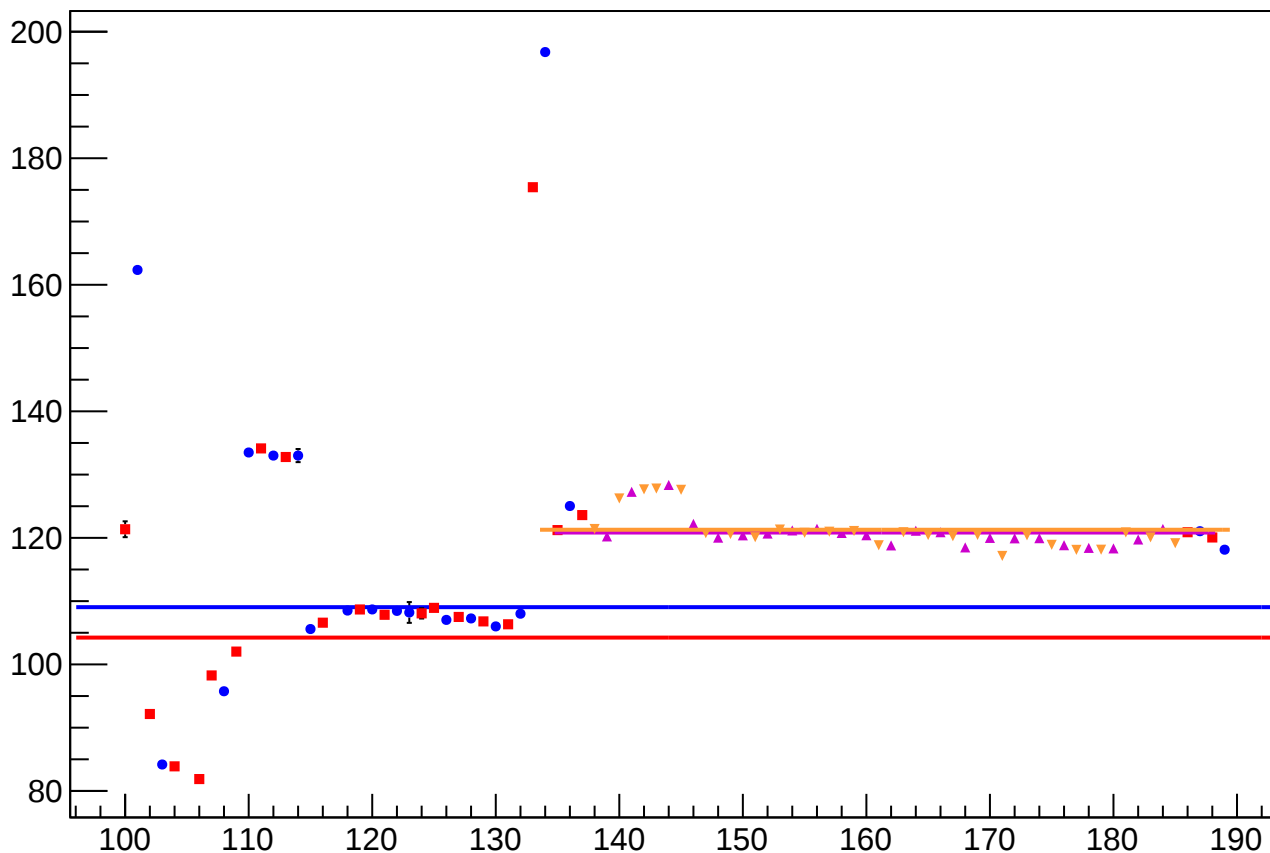
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -84.951 ± 0.752 χ^2/NDF : 1914.5/43

All: -83.246 ± 0.532 χ^2/NDF : 3744.2/87

- sign -81.531 ± 0.754 χ^2/NDF : 1819.4/43

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 109.047 $\pm$ 0.083 χ^2 /NDF: 74154.8/18

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 104.238 $\pm$ 0.076 χ^2 /NDF: 57819.1/20

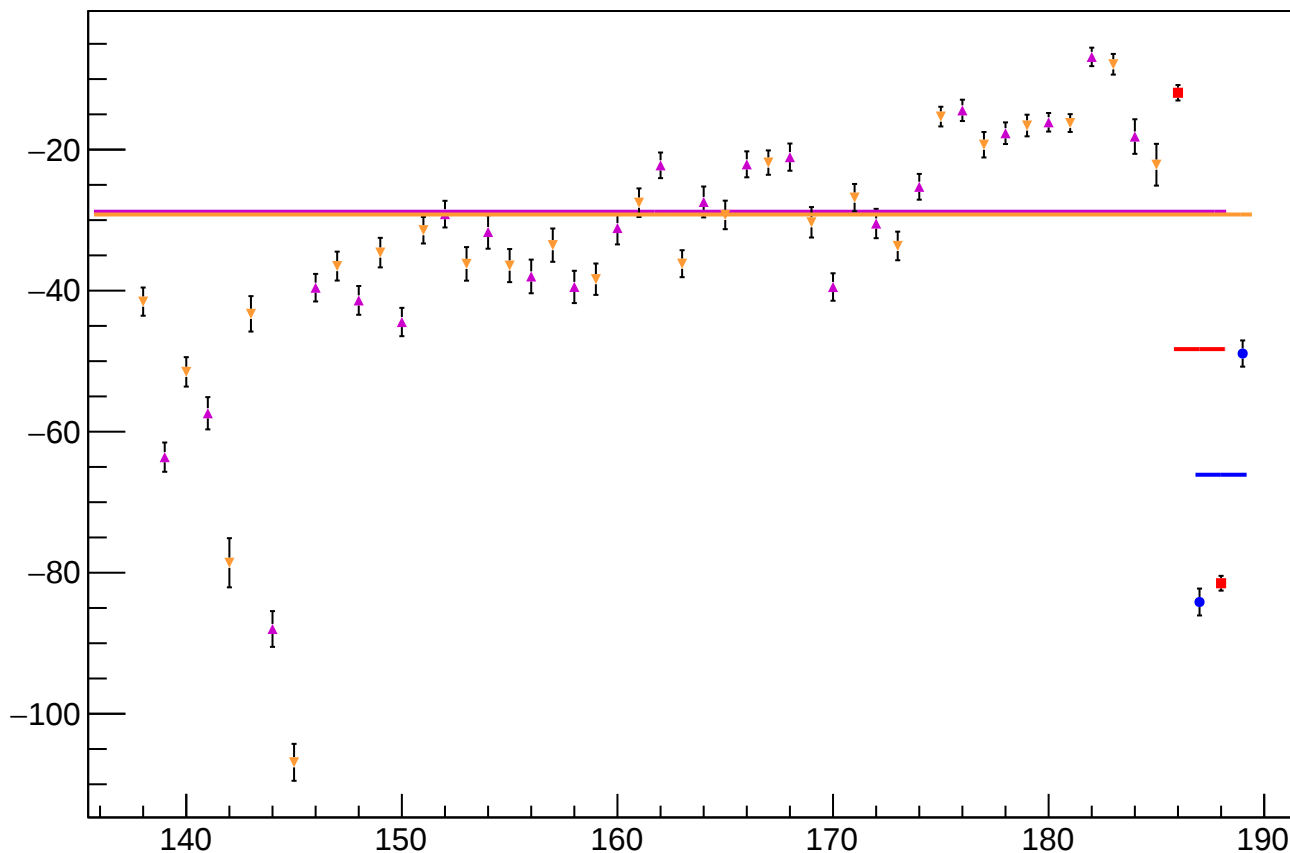
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.951 $\pm$ 0.036 χ^2 /NDF: 96834.0/43

All: 118.027 $\pm$ 0.025 χ^2 /NDF: 196710.7/87

- sign 117.115 $\pm$ 0.036 χ^2 /NDF: 98572.2/43

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -66.105 ± 1.331 χ^2/NDF : 175.1/1

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -48.292 ± 0.759 χ^2/NDF : 2097.3/1

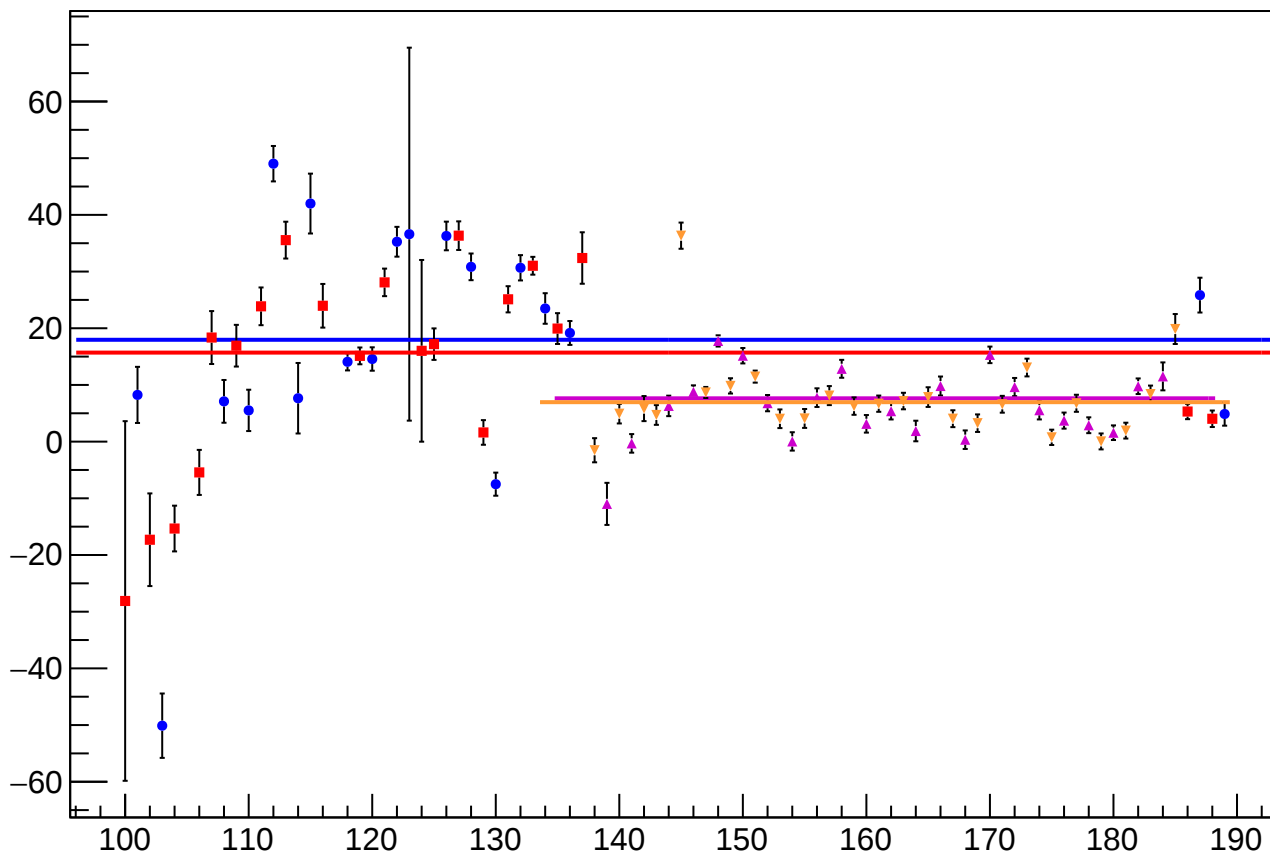
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -32.097 ± 0.373 χ^2/NDF : 2765.1/26

All: -32.561 ± 0.255 χ^2/NDF : 7147.8/51

- sign -32.971 ± 0.351 χ^2/NDF : 4379.9/24

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 17.965 ± 0.611 χ^2/NDF : 665.2/18

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 15.704 ± 0.539 χ^2/NDF : 540.8/20

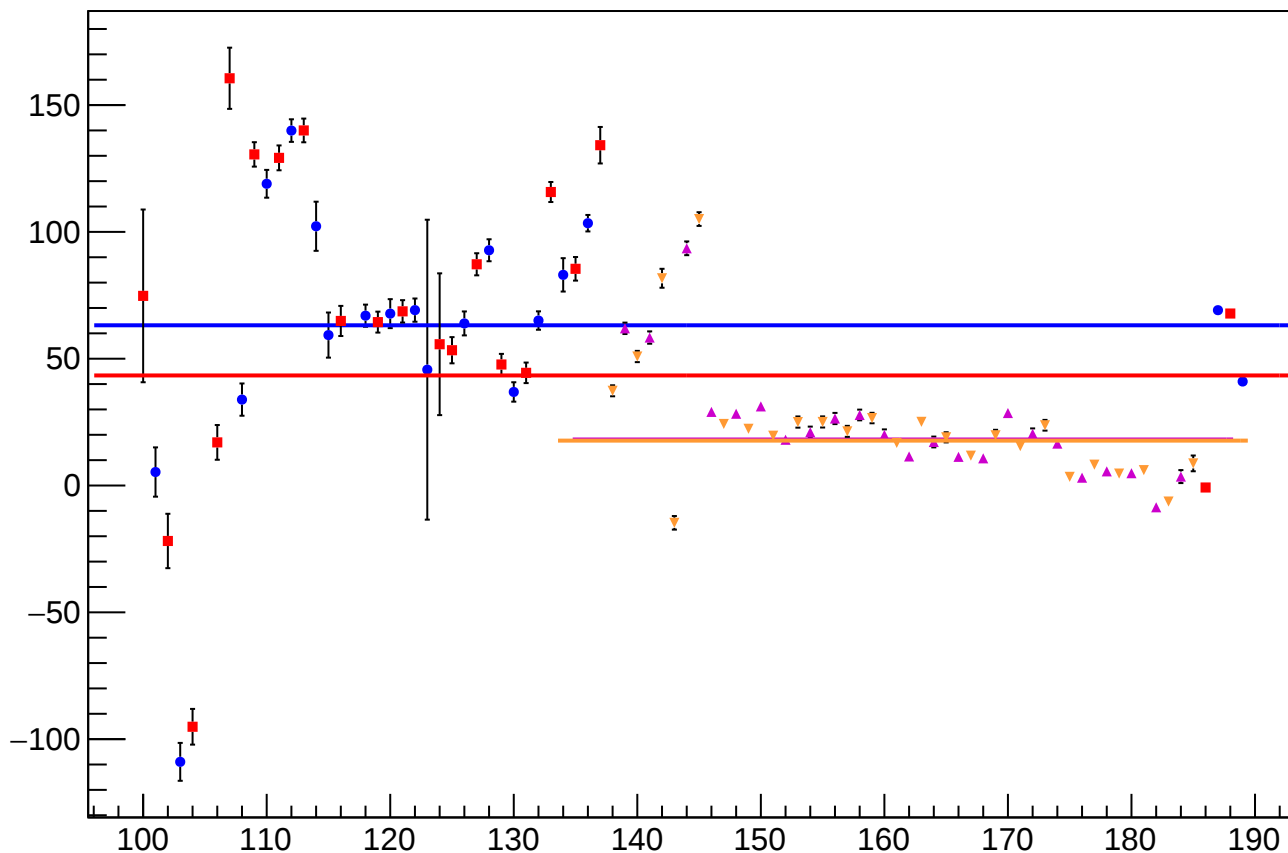
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 9.132 ± 0.271 χ^2/NDF : 1246.9/43

All: 9.404 ± 0.192 χ^2/NDF : 2294.6/87

- sign 9.676 ± 0.271 χ^2/NDF : 1045.7/43

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 63.175 ± 0.827 χ^2/NDF : 1478.1/18

Left Out: 17.705 ± 0.387 χ^2/NDF : 2432.2/24

Right Out: 43.398 ± 0.545 χ^2/NDF : 5717.2/20

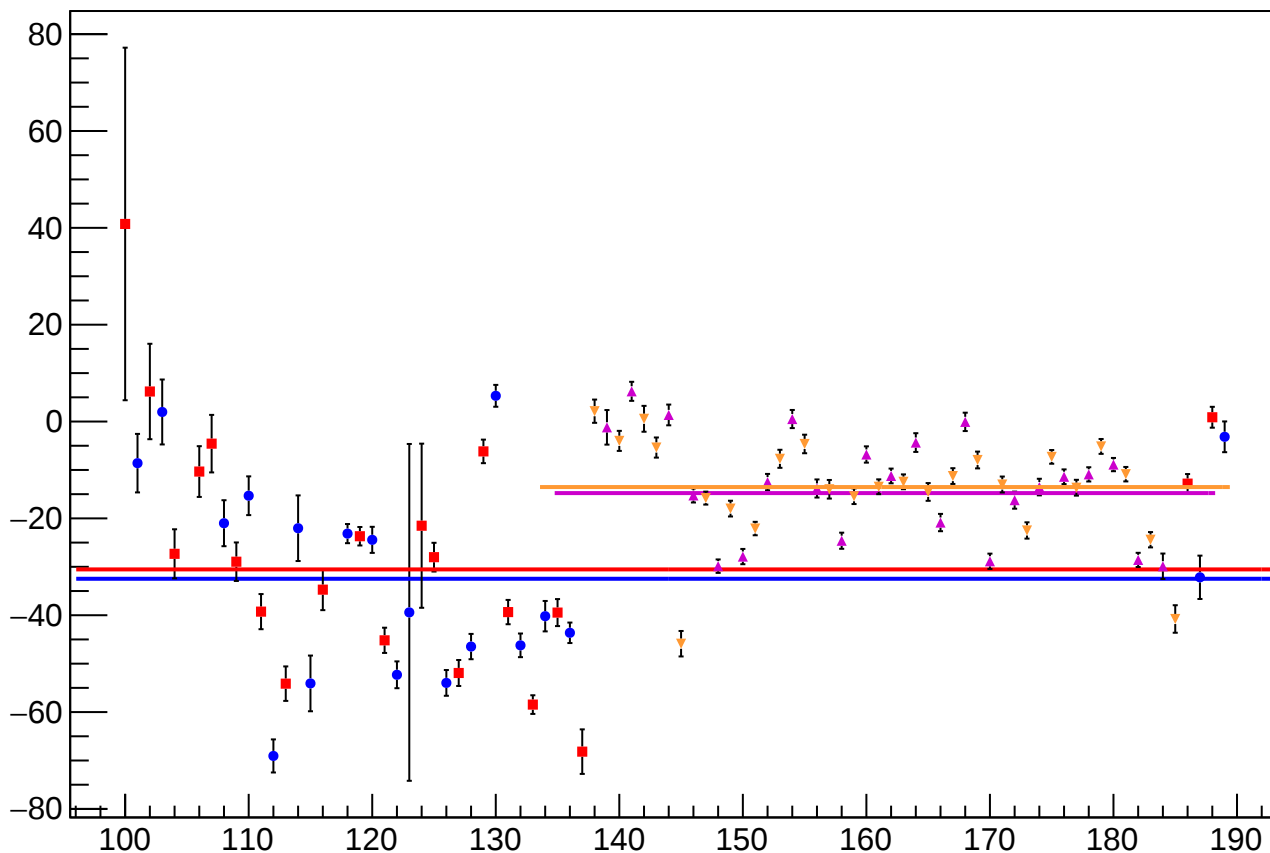
Left In: 18.150 ± 0.393 χ^2/NDF : 2339.4/22

+ sign 25.888 ± 0.351 χ^2/NDF : 6391.7/43

All: 26.371 ± 0.236 χ^2/NDF : 15864.0/87

- sign 26.770 ± 0.319 χ^2/NDF : 9468.8/43

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -32.471 ± 0.717 $\chi^2/\text{NDF}: 804.8/18$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -30.536 ± 0.658 $\chi^2/\text{NDF}: 904.6/20$

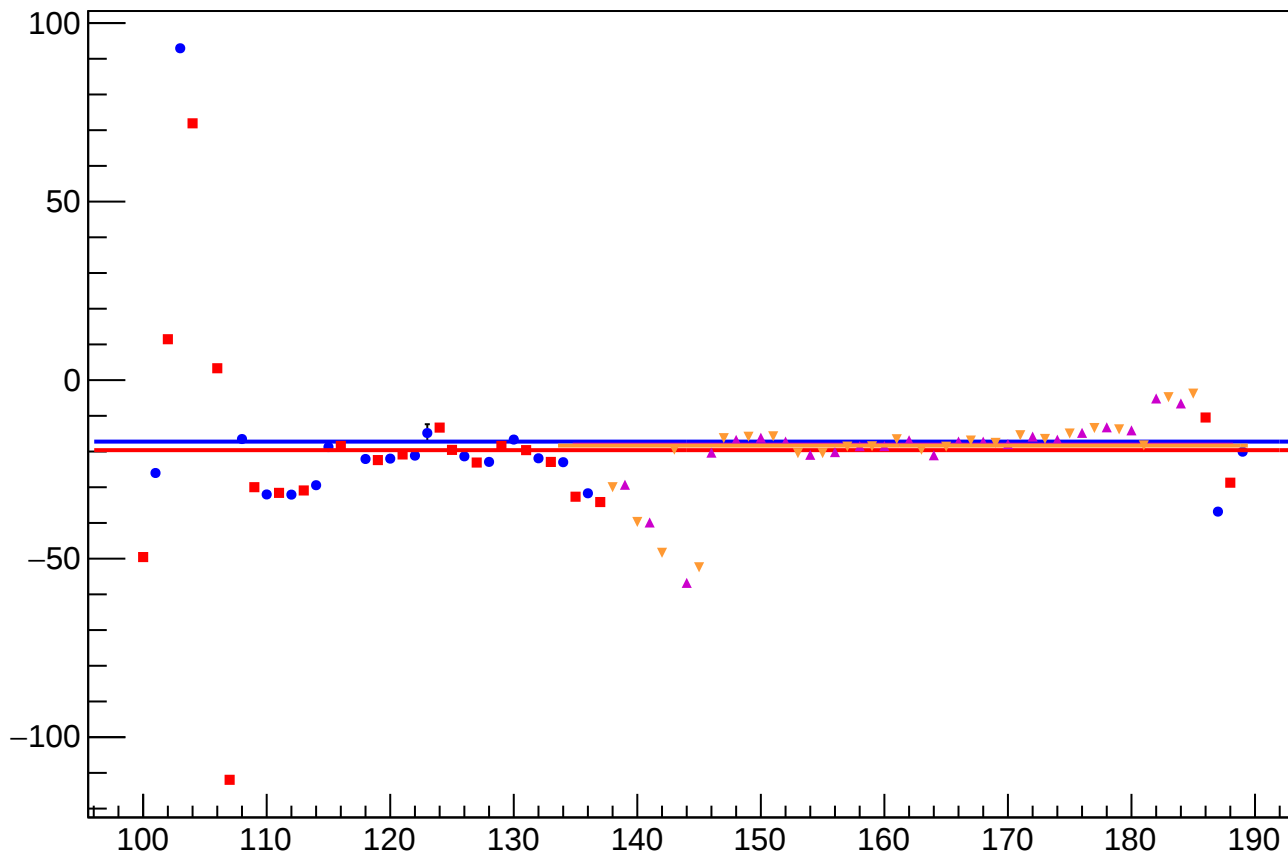
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -17.075 ± 0.310 $\chi^2/\text{NDF}: 1944.7/43$

All: -17.693 ± 0.220 $\chi^2/\text{NDF}: 4140.1/87$

- sign -18.318 ± 0.312 $\chi^2/\text{NDF}: 2187.5/43$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.220 ± 0.042 χ^2/NDF : 480917.9/18

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -19.614 ± 0.040 χ^2/NDF : 445635.8/20

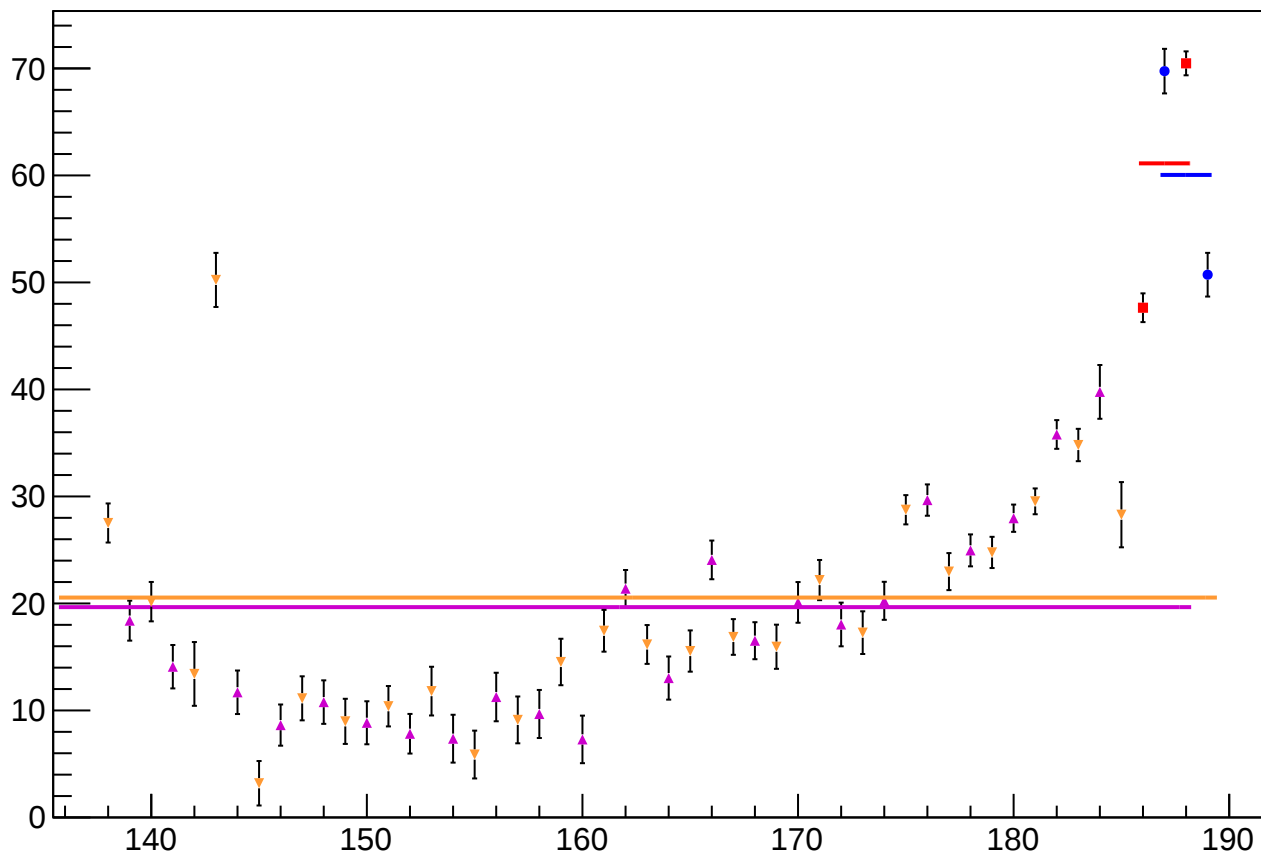
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.196 ± 0.015 χ^2/NDF : 765684.8/43

All: -18.246 ± 0.011 χ^2/NDF : 1454554.1/87

- sign -18.296 ± 0.015 χ^2/NDF : 688846.4/43

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 60.046 $\pm$ 1.458 χ^2 /NDF: 42.6/1

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 61.127 $\pm$ 0.859 χ^2 /NDF: 170.7/1

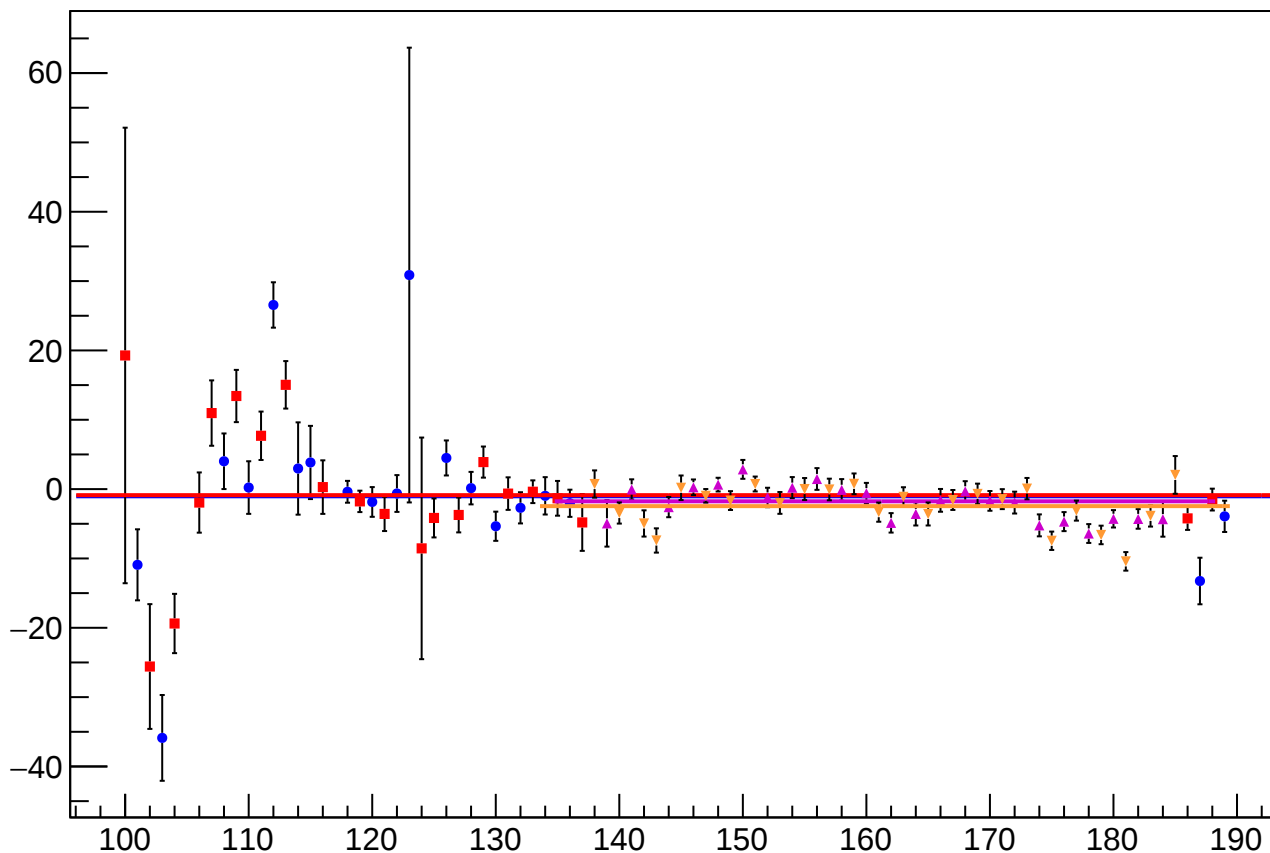
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 22.978 $\pm$ 0.361 χ^2 /NDF: 1357.7/26

All: 24.779 $\pm$ 0.251 χ^2 /NDF: 4095.0/51

- sign 26.449 $\pm$ 0.348 χ^2 /NDF: 2689.4/24

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.036 ± 0.625 χ^2/NDF : 135.7/18

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -0.872 ± 0.570 χ^2/NDF : 89.4/20

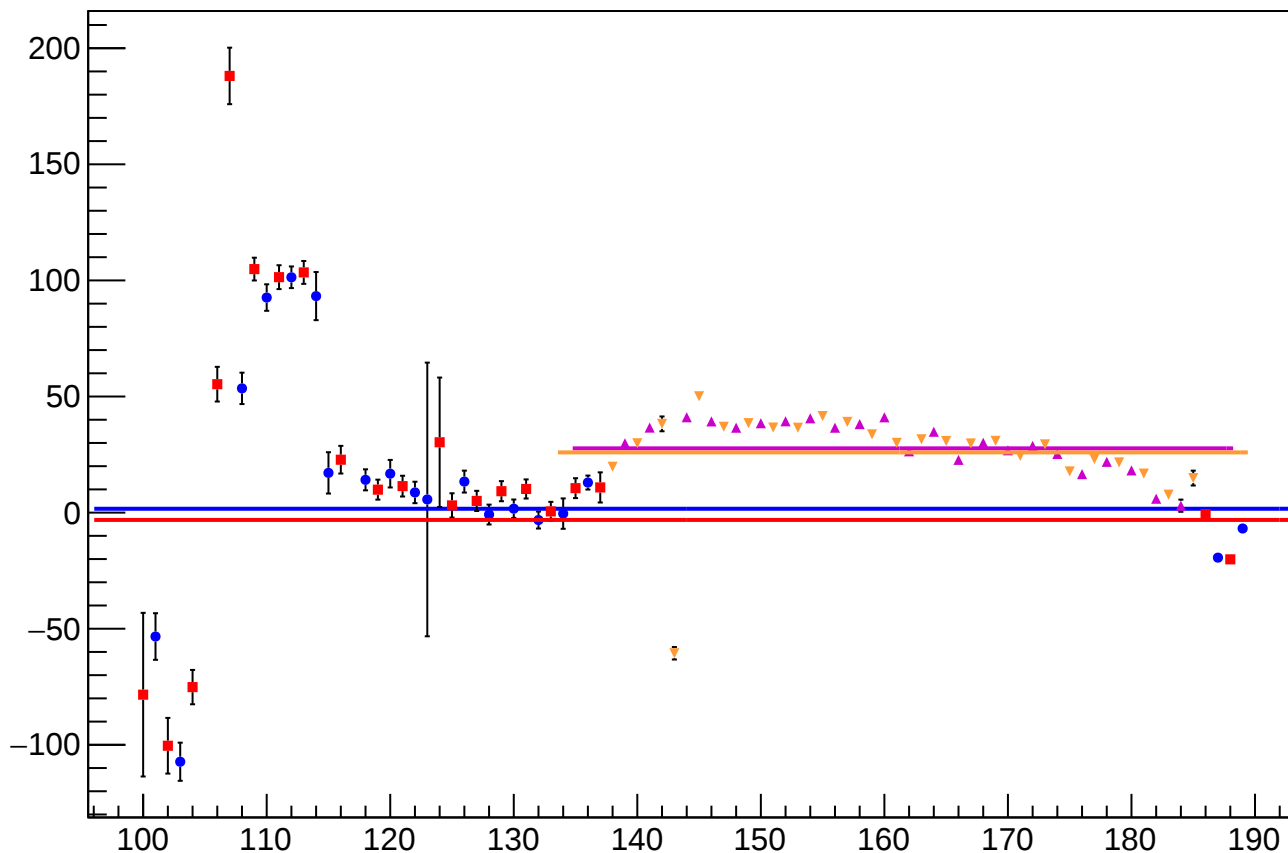
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.200 ± 0.265 χ^2/NDF : 245.9/43

All: -1.884 ± 0.188 χ^2/NDF : 407.4/87

- sign -1.564 ± 0.267 χ^2/NDF : 158.7/43

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 1.662 $\pm$ 0.873 χ^2/NDF : 1270.9/18

Left Out: 25.938 $\pm$ 0.372 χ^2/NDF :1711.6/24

Right Out: -3.146 $\pm$ 0.604 χ^2/NDF : 2279.0/20

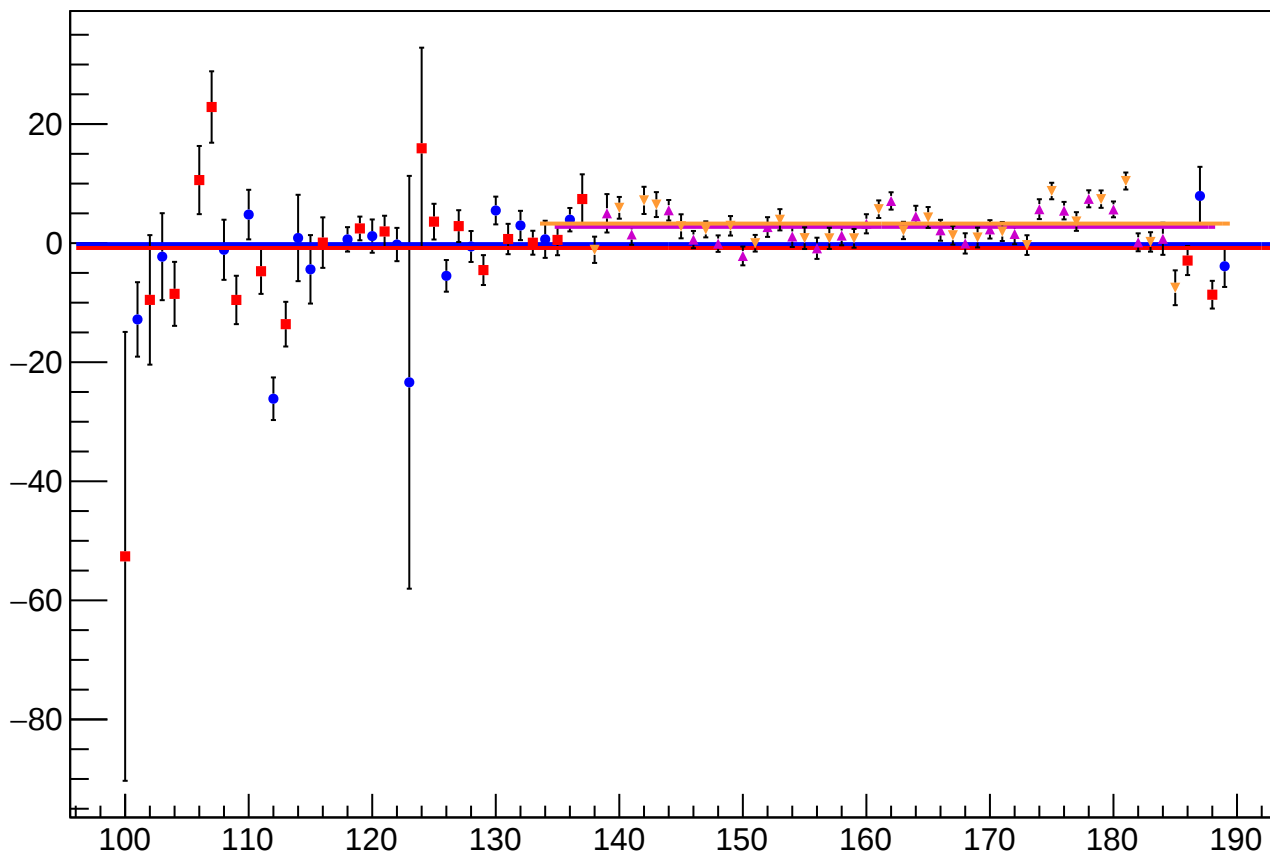
Left In: 27.677 $\pm$ 0.378 χ^2/NDF :803.9/22

+ sign 22.204 $\pm$ 0.343 χ^2/NDF : 3636.3/43

All: 20.498 $\pm$ 0.234 χ^2/NDF : 8634.9/87

- sign 19.002 $\pm$ 0.321 χ^2/NDF : 4952.0/43

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.165 ± 0.728 χ^2/NDF : 79.5/18

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -0.813 ± 0.685 χ^2/NDF : 69.4/20

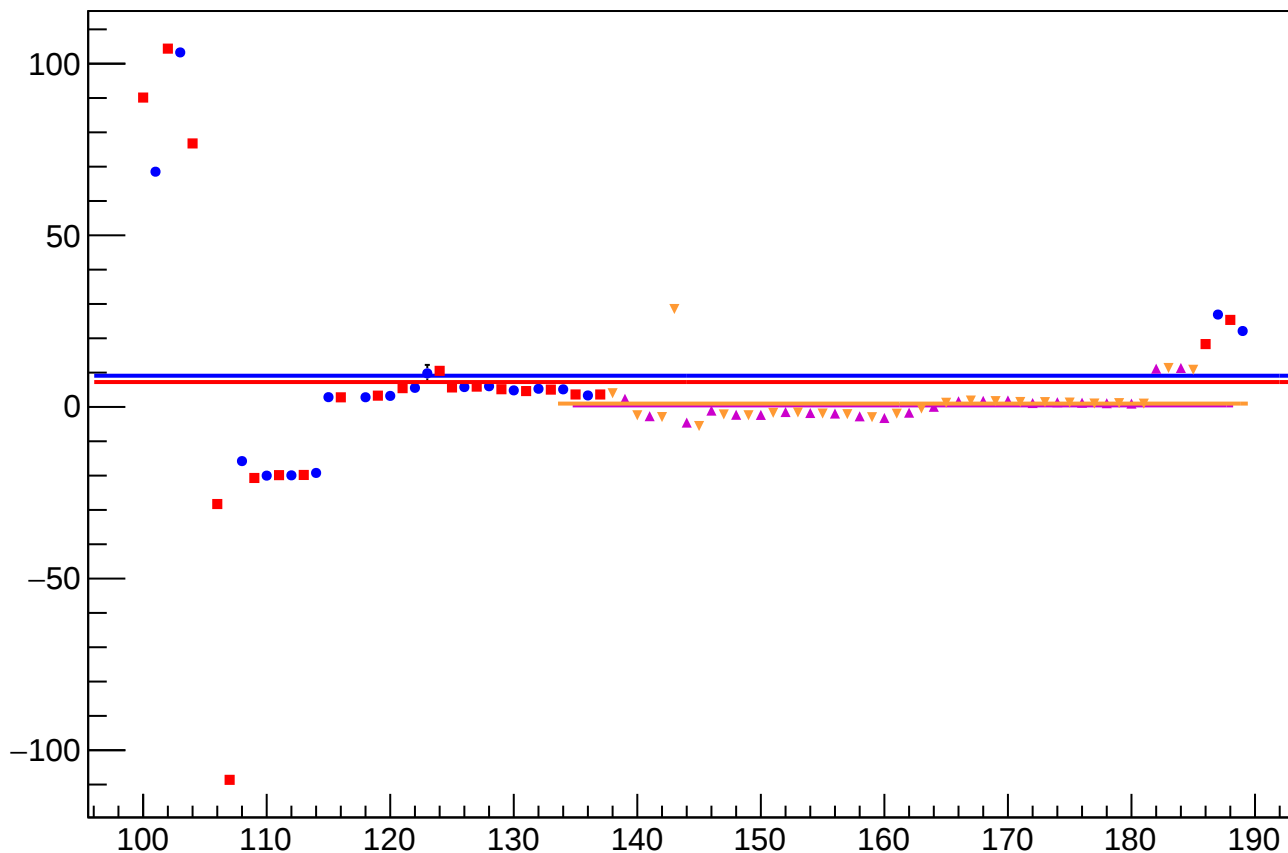
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.691 ± 0.302 χ^2/NDF : 200.4/43

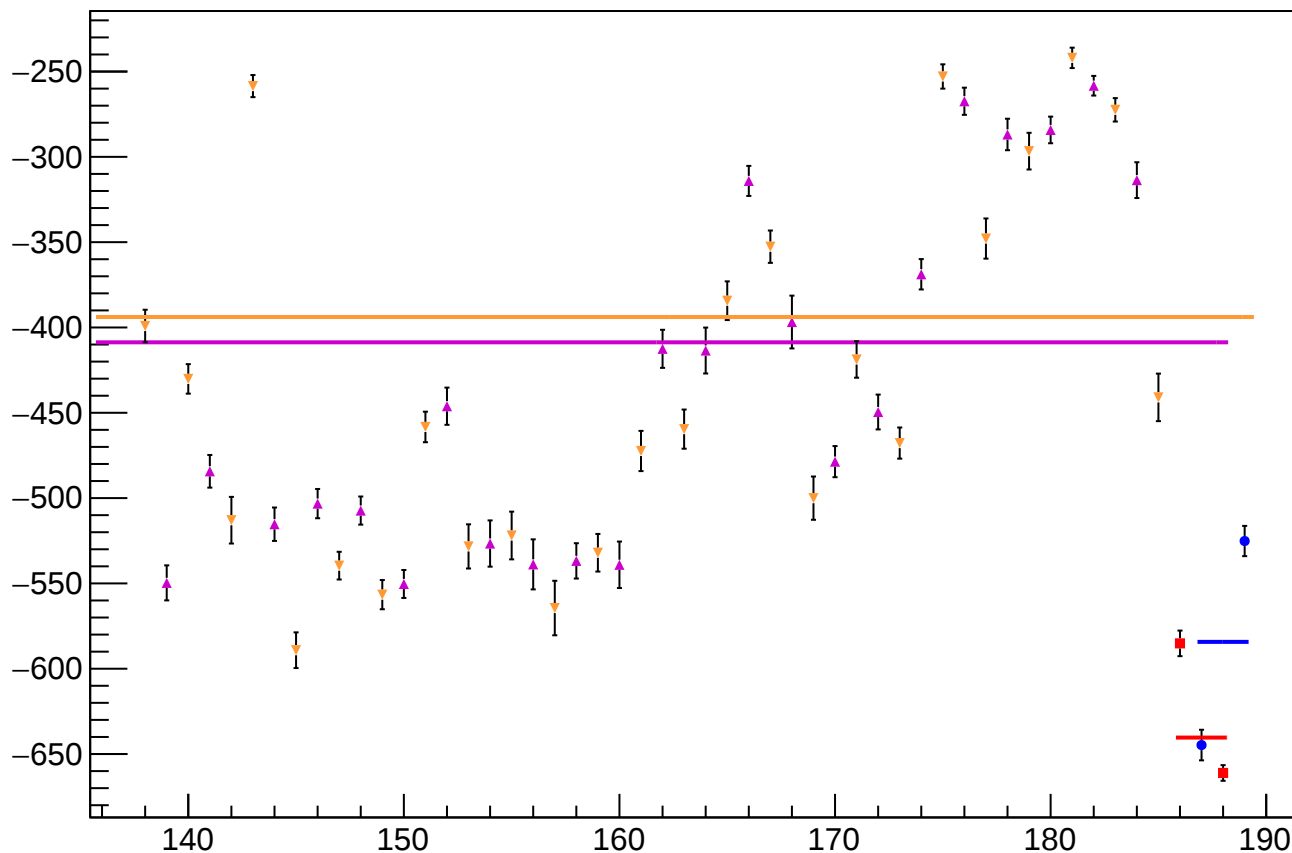
All: 2.366 ± 0.215 χ^2/NDF : 358.1/87

- sign 2.032 ± 0.305 χ^2/NDF : 155.4/43

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -584.264 ± 6.302 $\chi^2/\text{NDF}: 90.0/1$

Left Out: -393.871 ± 1.897 $\chi^2/\text{NDF}: 3772.8/24$

Right Out: -640.360 ± 3.917 $\chi^2/\text{NDF}: 74.6/1$

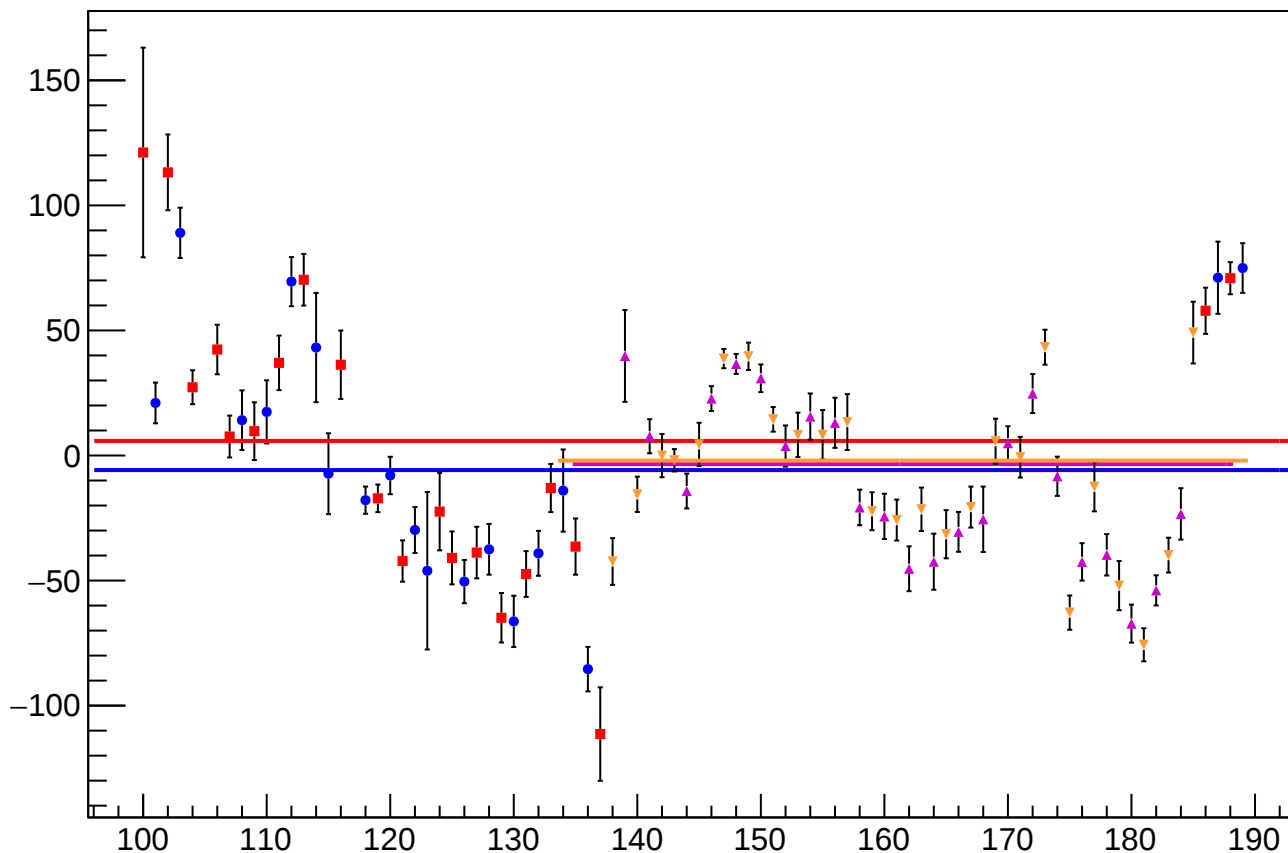
Left In: -408.696 ± 1.979 $\chi^2/\text{NDF}: 3062.9/22$

+ sign -409.688 ± 1.817 $\chi^2/\text{NDF}: 4699.6/26$

All: -433.392 ± 1.266 $\chi^2/\text{NDF}: 10955.0/51$

- sign -455.804 ± 1.766 $\chi^2/\text{NDF}: 5924.1/24$

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -5.828 ± 2.261 χ^2/NDF : 443.0/18

Left Out: -2.037 ± 1.424 χ^2/NDF : 563.8/24

Right Out: 5.833 ± 2.078 χ^2/NDF : 503.0/20

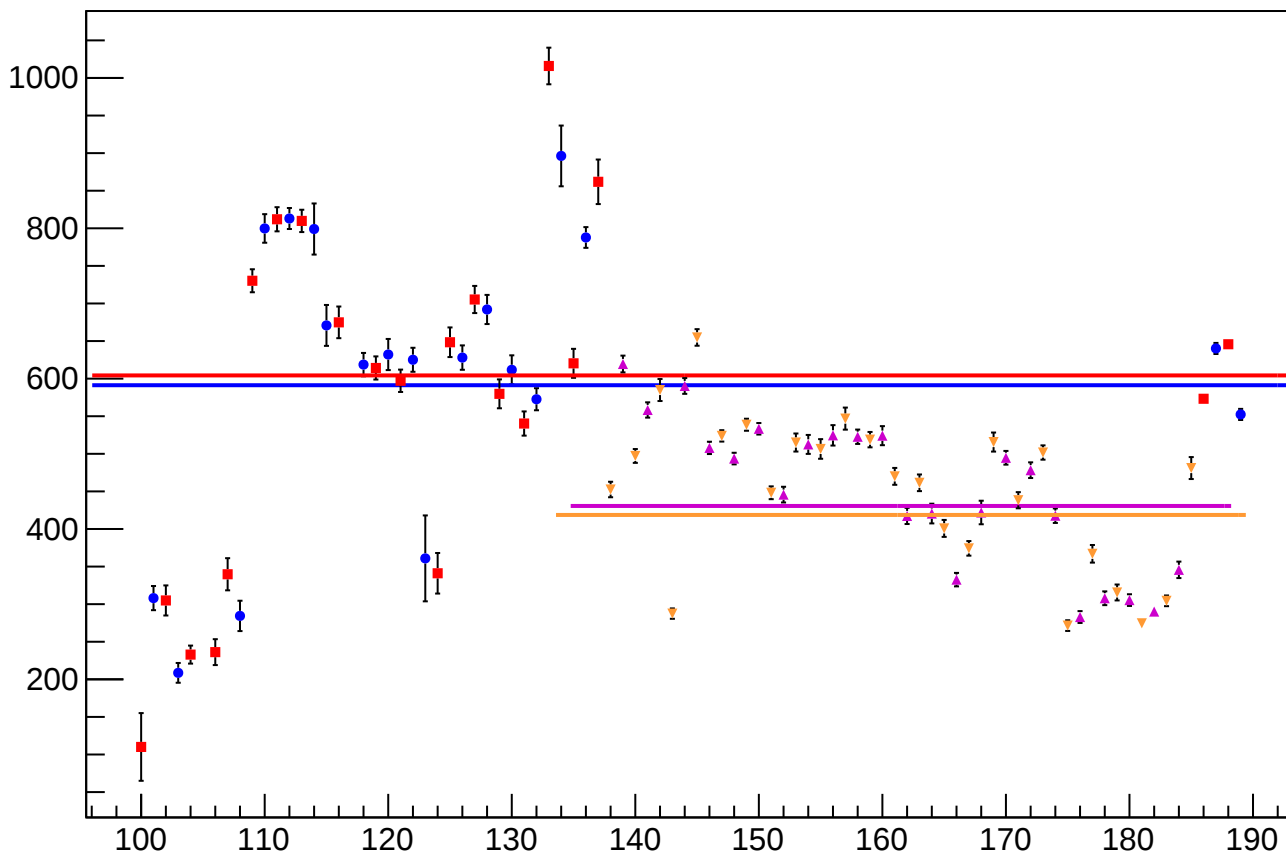
Left In: -3.420 ± 1.520 χ^2/NDF : 451.0/22

+ sign -3.114 ± 1.205 χ^2/NDF : 1008.8/43

All: -1.681 ± 0.860 χ^2/NDF : 1978.5/87

- sign -0.195 ± 1.227 χ^2/NDF : 966.9/43

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 591.254 ± 3.346 χ^2/NDF : 2199.6/18

Left Out: 418.680 ± 1.905 χ^2/NDF : 3296.5/24

Right Out: 604.287 ± 2.503 χ^2/NDF : 3017.0/20

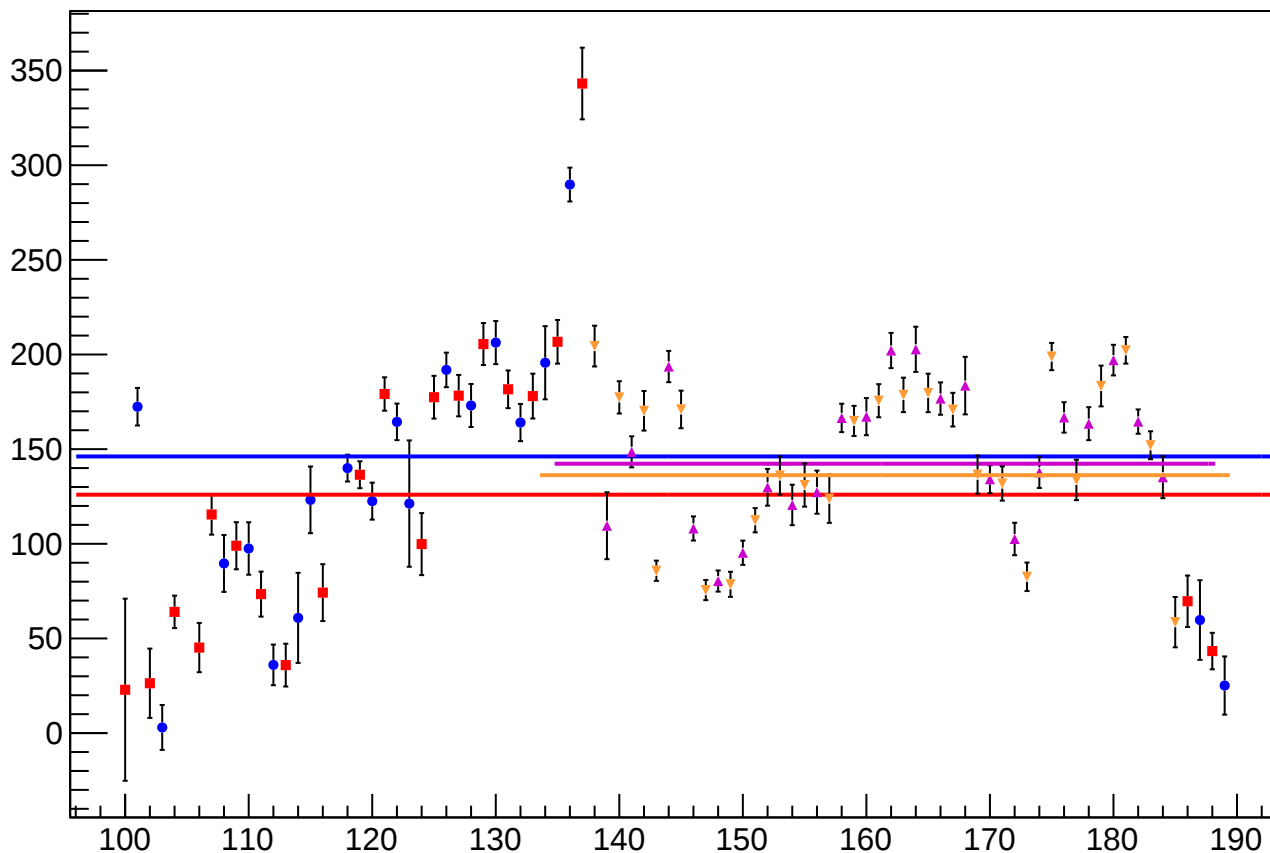
Left In: 430.640 ± 1.971 χ^2/NDF : 2850.6/22

+ sign 460.916 ± 1.655 χ^2/NDF : 7504.8/43

All: 480.210 ± 1.131 χ^2/NDF : 16598.1/87

- sign 497.090 ± 1.548 χ^2/NDF : 8838.7/43

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 146.147 $\pm$ 2.652 χ^2/NDF : 714.7/18

Left Out: 136.258 $\pm$ 1.651 χ^2/NDF : 758.3/24

Right Out: 125.944 $\pm$ 2.485 χ^2/NDF : 683.4/20

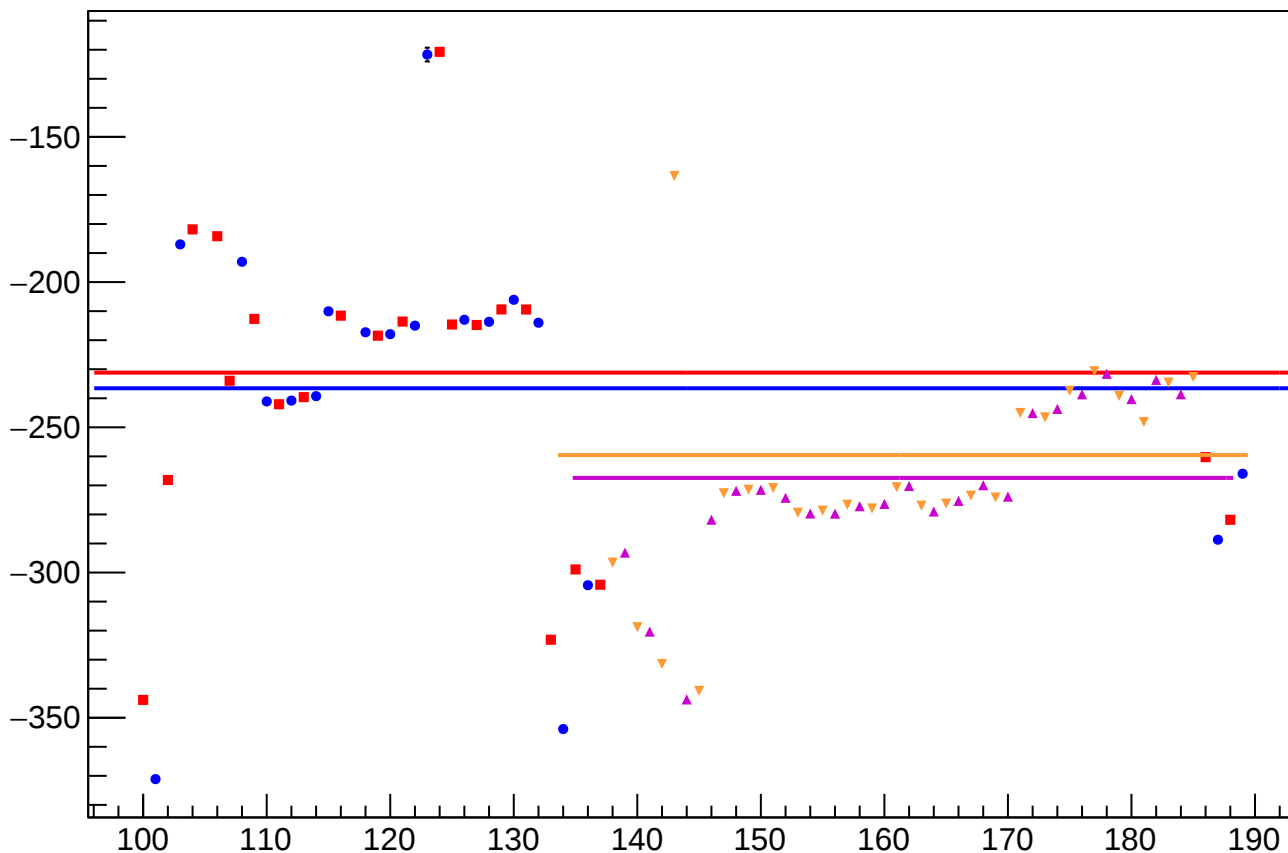
Left In: 142.296 $\pm$ 1.745 χ^2/NDF : 459.8/22

+ sign 139.019 $\pm$ 1.402 χ^2/NDF : 1483.0/43

All: 137.978 $\pm$ 1.000 χ^2/NDF : 2656.3/87

- sign 136.898 $\pm$ 1.428 χ^2/NDF : 1172.2/43

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -236.554+/-0.145 χ^2/NDF : 148708.8/18

Left Out: -259.557+/-0.079 χ^2/NDF : 238235.2/24

Right Out: -231.172+/-0.135 χ^2/NDF : 110932.4/20

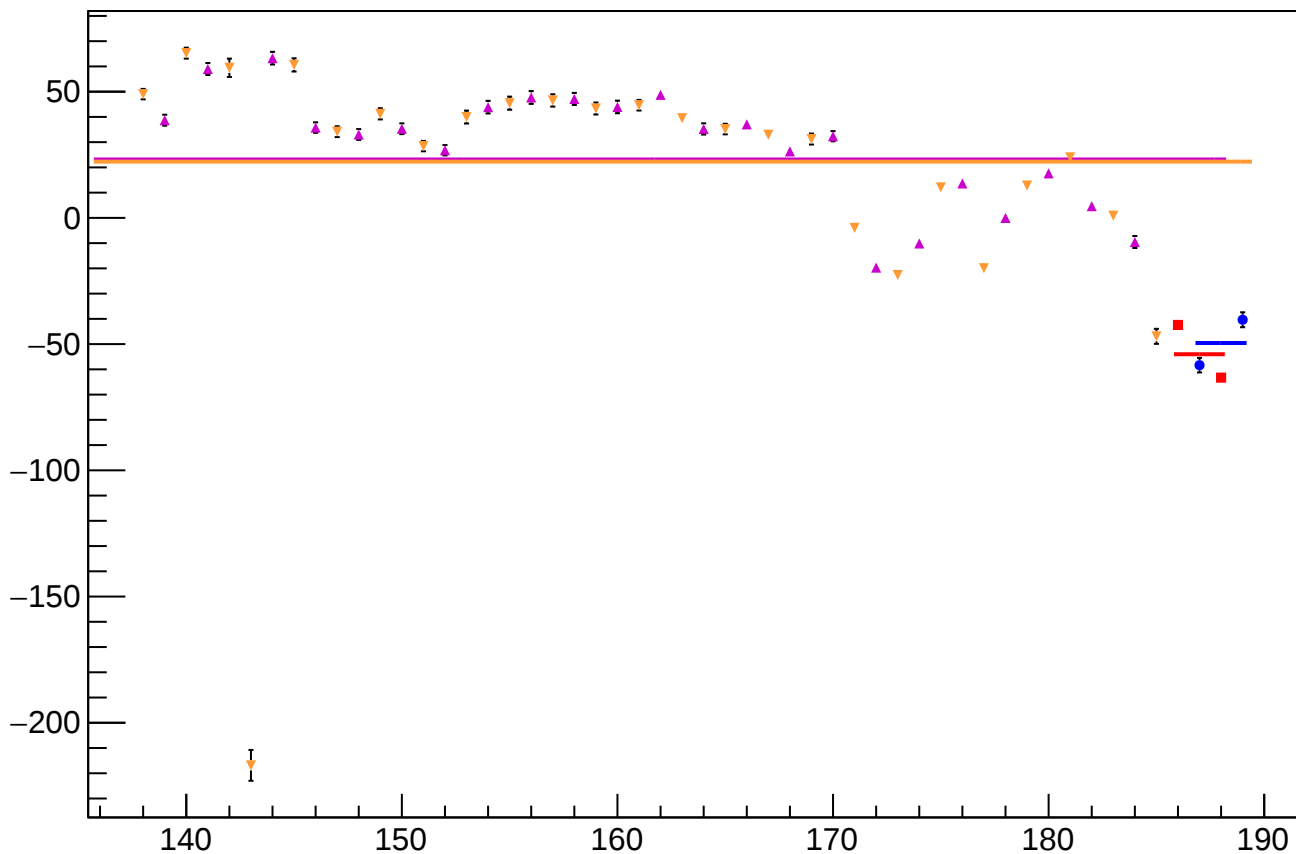
Left In: -267.417+/-0.082 χ^2/NDF : 98035.5/22

+ sign -254.291+/-0.069 χ^2/NDF : 406308.3/43

All: -255.987+/-0.049 χ^2/NDF : 669254.7/87

- sign -257.704+/-0.070 χ^2/NDF : 261746.3/43

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -49.557 ± 2.066 $\chi^2/\text{NDF}: 19.0/1$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -54.013 ± 1.163 $\chi^2/\text{NDF}: 79.5/1$

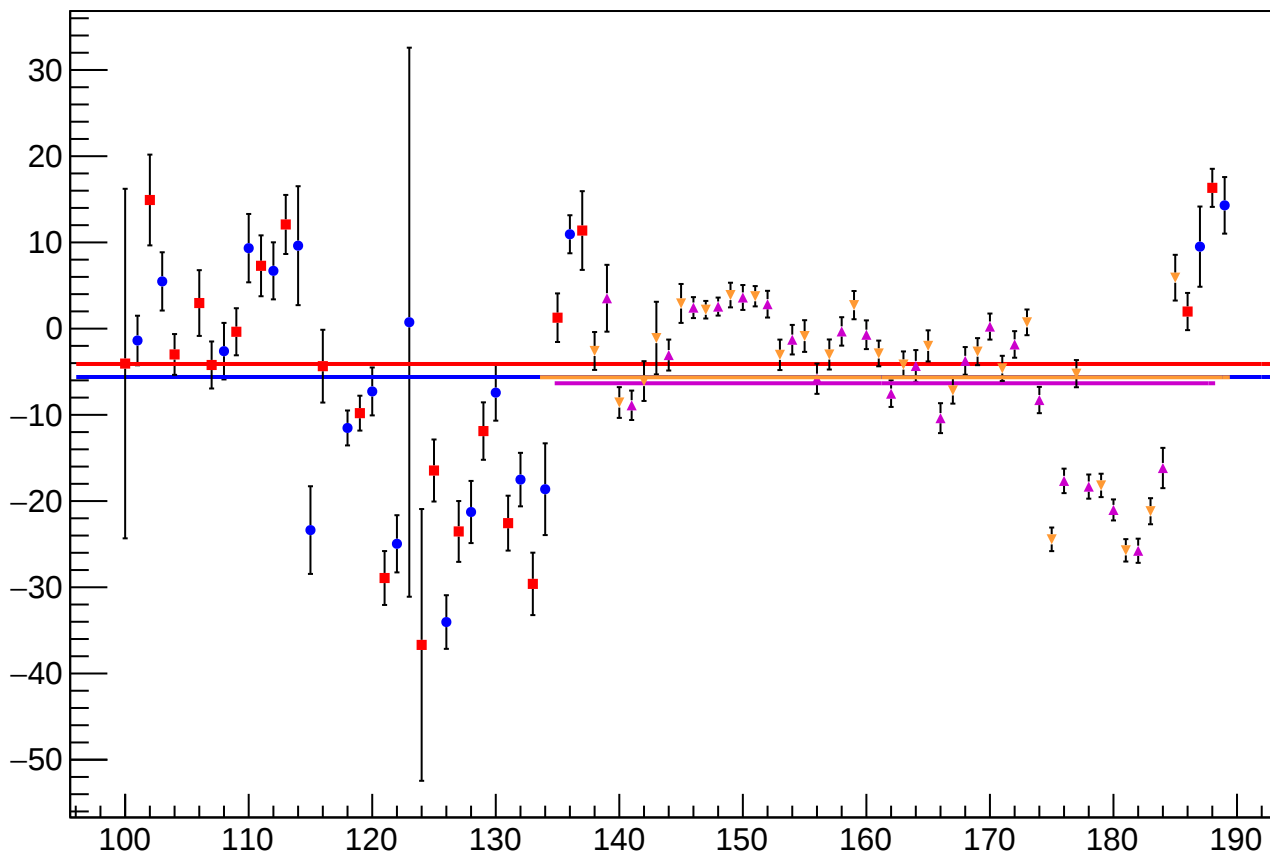
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 19.699 ± 0.392 $\chi^2/\text{NDF}: 6355.6/26$

All: 17.239 ± 0.273 $\chi^2/\text{NDF}: 13185.7/51$

- sign 14.928 ± 0.380 $\chi^2/\text{NDF}: 6753.5/24$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.610 $\pm$ 0.758 χ^2/NDF : 328.9/18

Left Out: -5.642 $\pm$ 0.316 χ^2/NDF : 893.7/24

Right Out: -4.100 $\pm$ 0.683 χ^2/NDF : 366.0/20

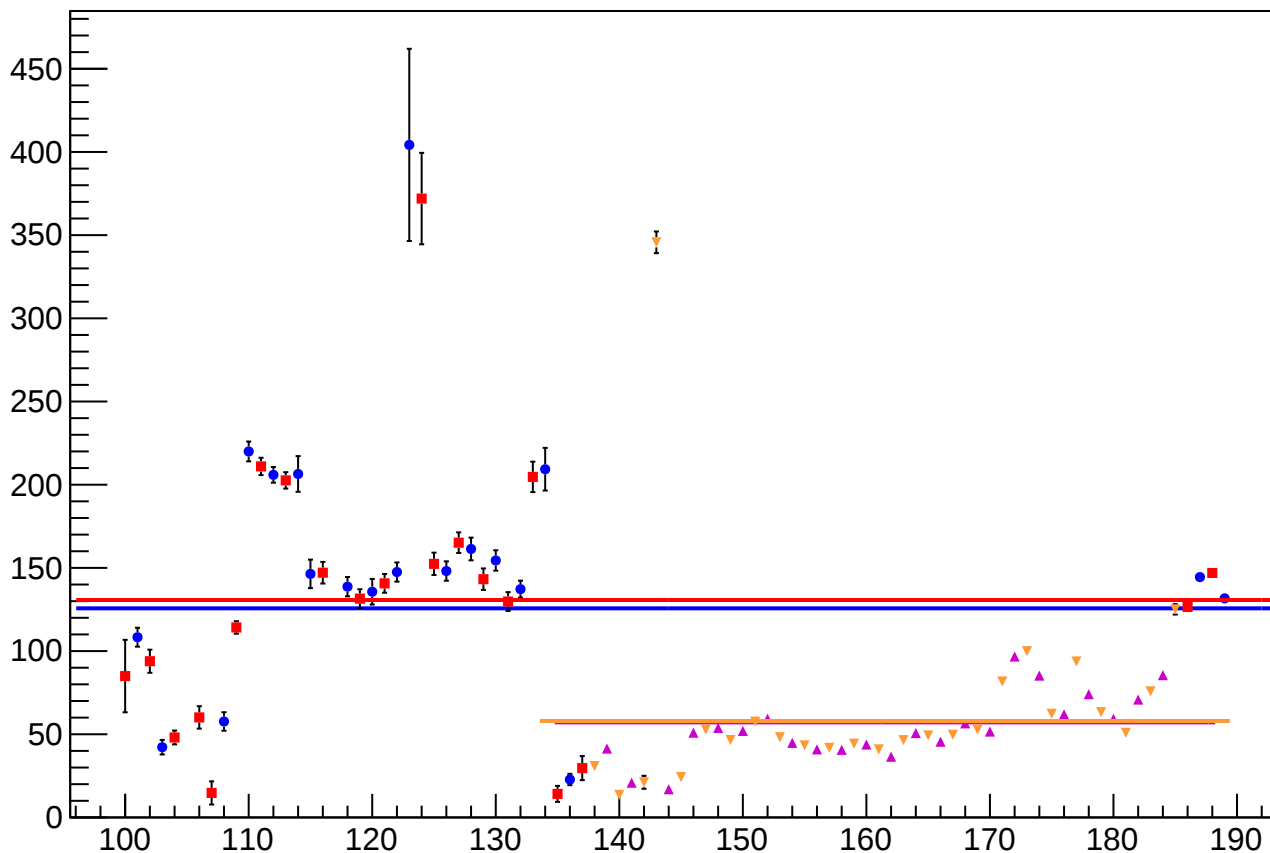
Left In: -6.337 $\pm$ 0.321 χ^2/NDF : 783.0/22

+ sign -5.637 $\pm$ 0.291 χ^2/NDF : 1222.6/43

All: -5.785 $\pm$ 0.206 χ^2/NDF : 2380.9/87

- sign -5.932 $\pm$ 0.291 χ^2/NDF : 1157.8/43

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.689 ± 1.095 χ^2/NDF : 2264.5/18

Left Out: 57.990 ± 0.398 χ^2/NDF : 4635.7/24

Right Out: 130.695 ± 0.771 χ^2/NDF : 2435.2/20

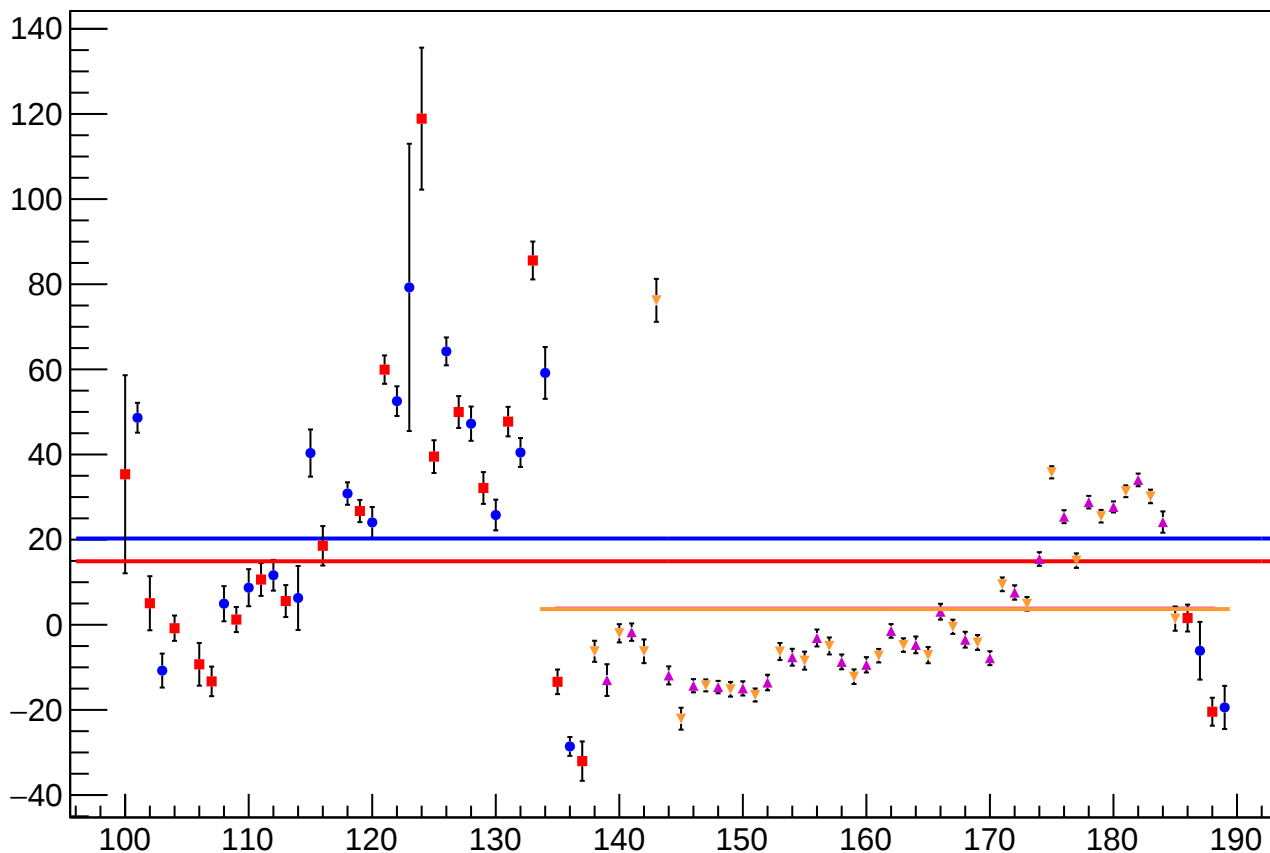
Left In: 57.139 ± 0.400 χ^2/NDF : 1803.4/22

+ sign 65.884 ± 0.374 χ^2/NDF : 10274.8/43

All: 69.472 ± 0.257 χ^2/NDF : 21858.5/87

- sign 72.701 ± 0.355 χ^2/NDF : 11408.8/43

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 20.263 ± 0.879 χ^2/NDF : 1141.4/18

Left Out: 3.684 ± 0.357 χ^2/NDF : 2541.7/24

Right Out: 14.916 ± 0.815 χ^2/NDF : 1216.0/20

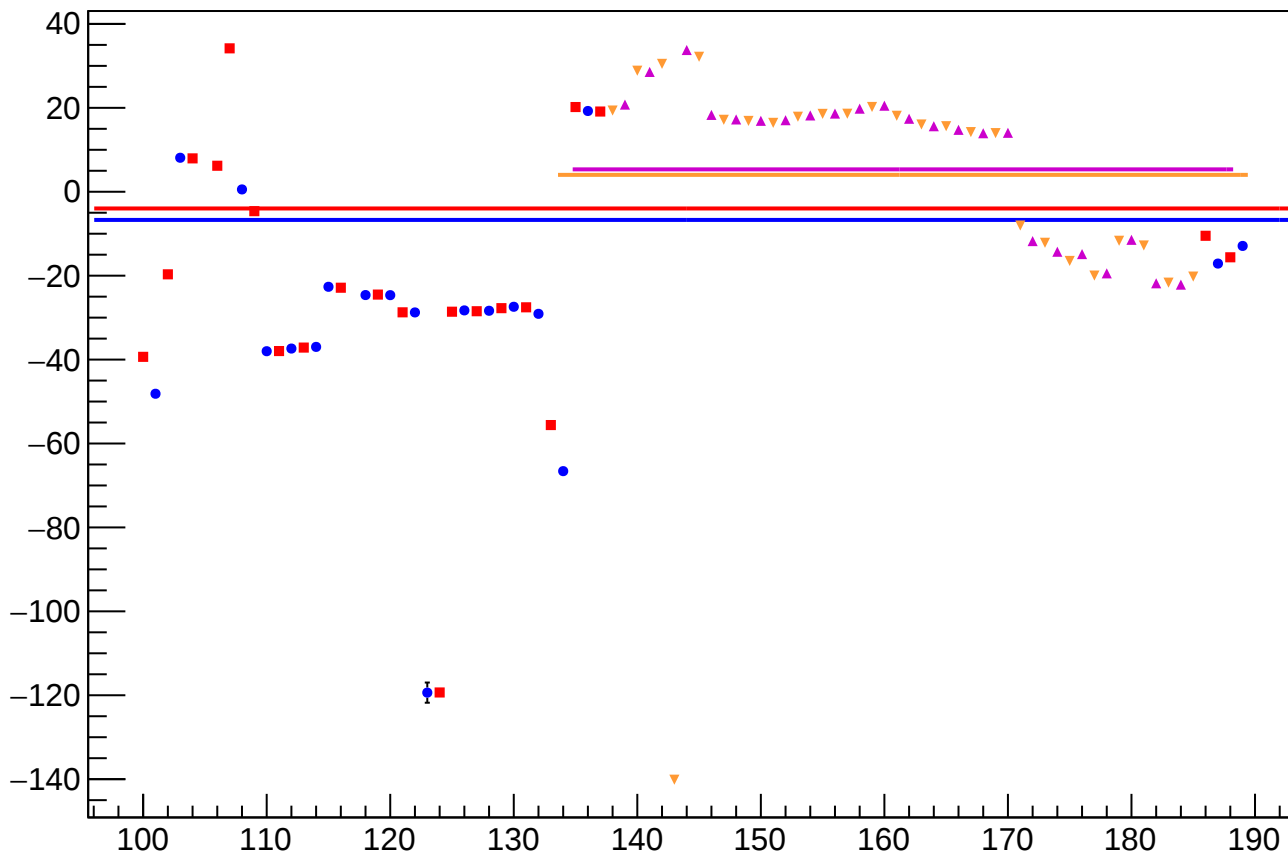
Left In: 3.786 ± 0.362 χ^2/NDF : 2198.8/22

+ sign 6.029 ± 0.331 χ^2/NDF : 3988.5/43

All: 5.824 ± 0.234 χ^2/NDF : 7560.0/87

- sign 5.619 ± 0.331 χ^2/NDF : 3570.7/43

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.714 ± 0.045 χ^2/NDF : 265654.1/18

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -3.983 ± 0.043 χ^2/NDF : 271639.5/20

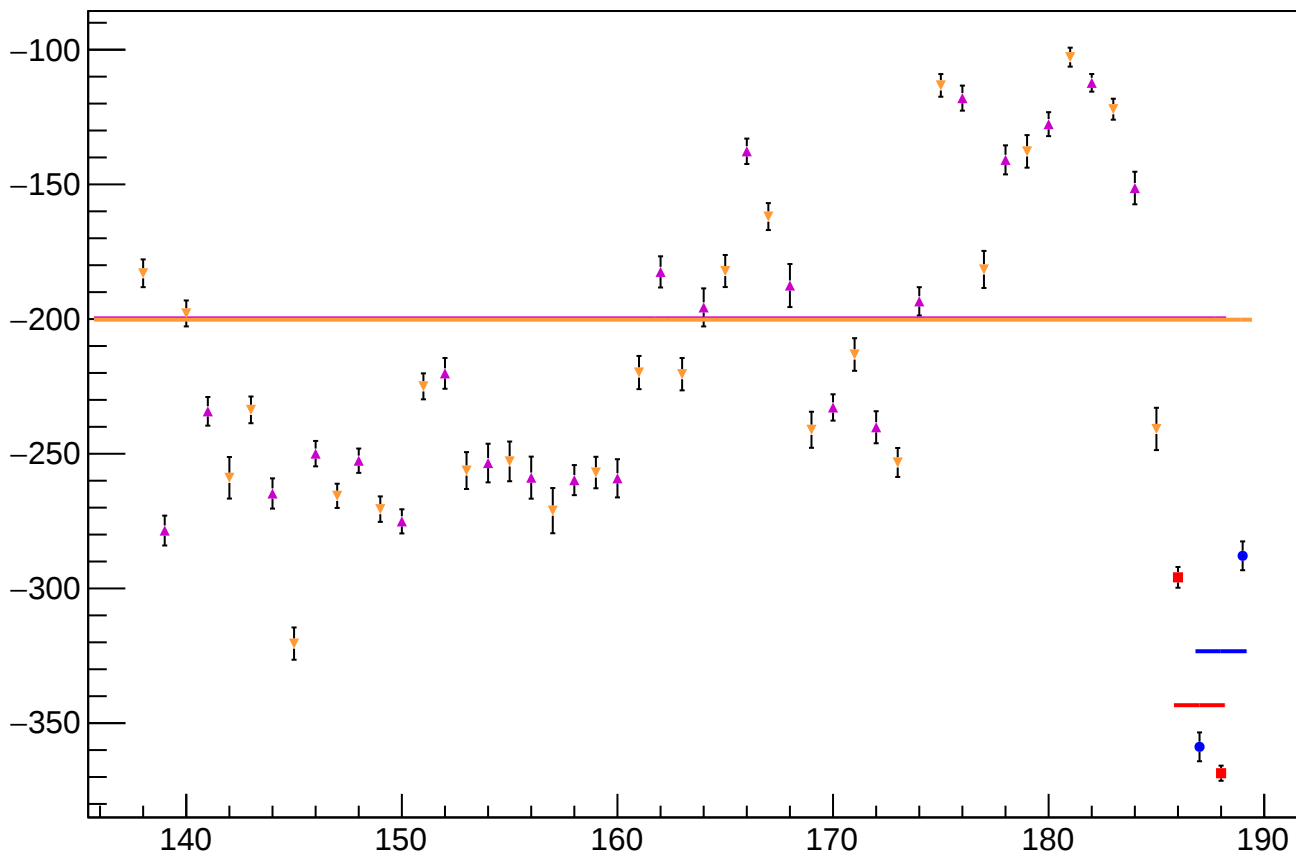
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 2.777 ± 0.015 χ^2/NDF : 1698872.0/43

All: 3.470 ± 0.011 χ^2/NDF : 3092958.6/87

- sign 4.161 ± 0.015 χ^2/NDF : 1390034.2/43

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -323.309+/-3.785 χ^2/NDF : 87.8/1

Left Out: -200.228+/-1.078 χ^2/NDF : 3225.0/24

Right Out: -343.343+/-2.272 χ^2/NDF : 232.2/1

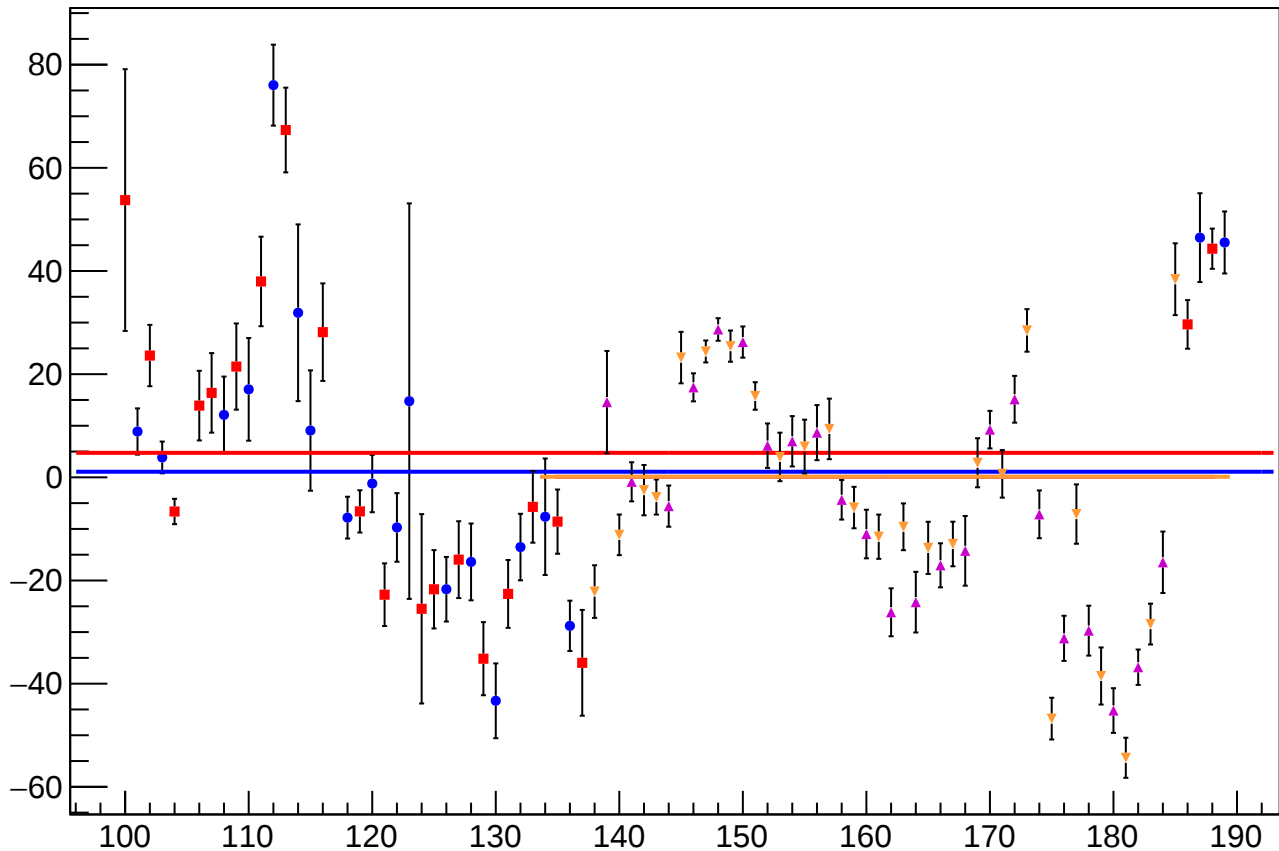
Left In: -199.739+/-1.097 χ^2/NDF : 2968.0/22

+ sign -209.459+/-1.037 χ^2/NDF : 4290.8/26

All: -218.599+/-0.715 χ^2/NDF : 10878.6/51

- sign -226.904+/-0.988 χ^2/NDF : 6439.5/24

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 1.086 $\pm$ 1.408 χ^2 /NDF: 293.2/18

Left Out: 0.109 $\pm$ 0.807 χ^2 /NDF:831.2/24

Right Out: 4.750 $\pm$ 1.267 χ^2 /NDF: 375.5/20

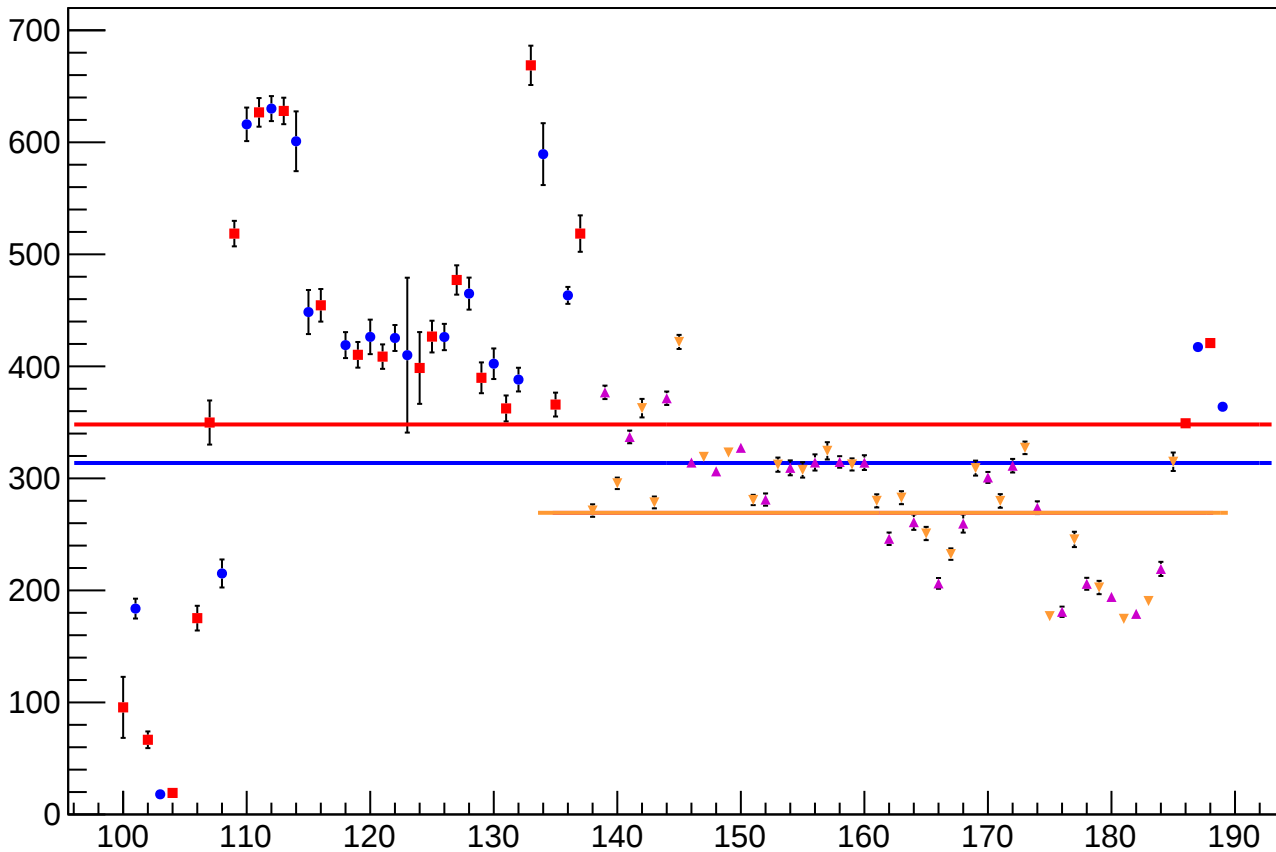
Left In: 0.097 $\pm$ 0.838 χ^2 /NDF:715.5/22

+ sign 0.350 $\pm$ 0.700 χ^2 /NDF: 1124.8/43

All: 0.933 $\pm$ 0.495 χ^2 /NDF: 2226.5/87

- sign 1.513 $\pm$ 0.699 χ^2 /NDF: 1100.3/43

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 313.745 ± 1.949 $\chi^2/\text{NDF}: 8679.8/18$

Left Out: 269.278 ± 1.078 $\chi^2/\text{NDF}: 3146.7/24$

Right Out: 348.130 ± 1.463 $\chi^2/\text{NDF}: 10482.4/20$

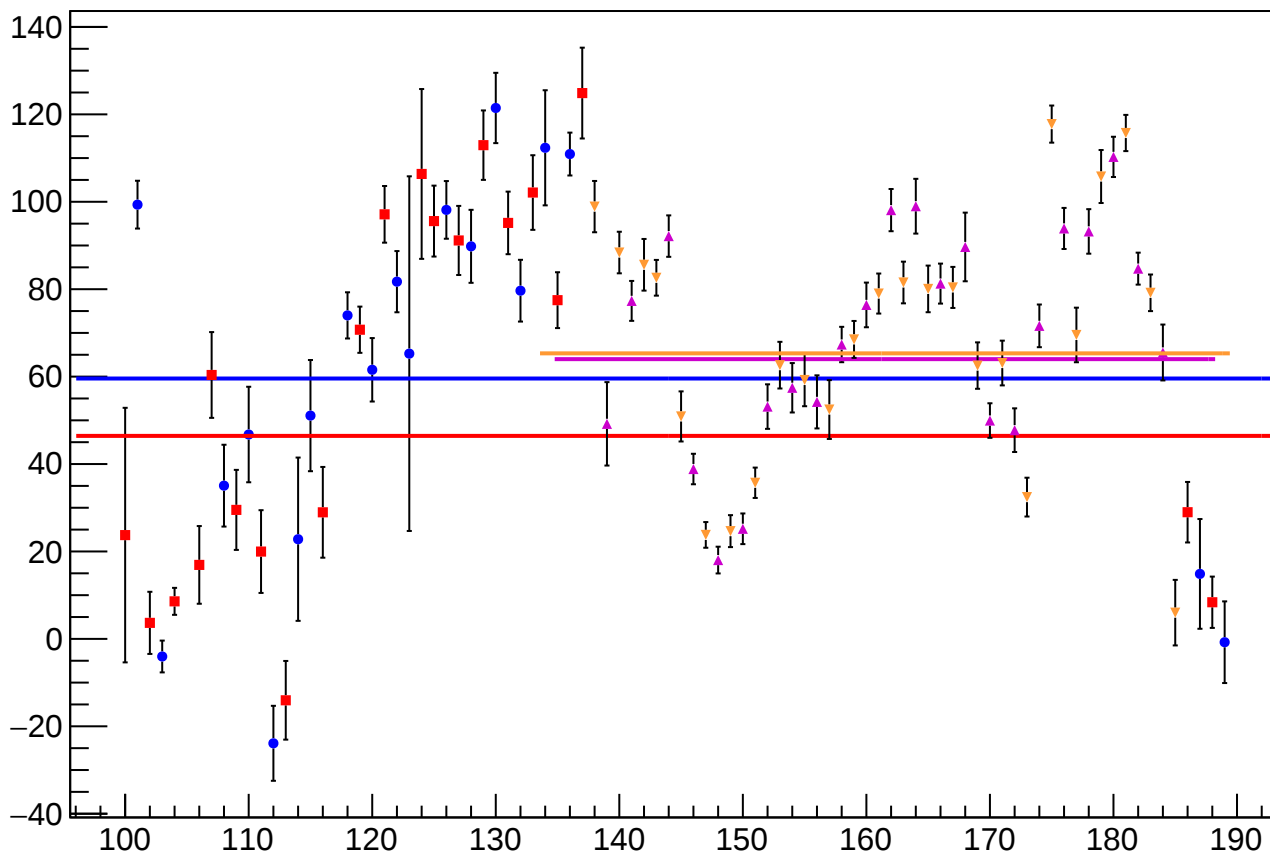
Left In: 269.191 ± 1.091 $\chi^2/\text{NDF}: 3170.2/22$

+ sign 279.690 ± 0.943 $\chi^2/\text{NDF}: 12225.2/43$

All: 289.206 ± 0.641 $\chi^2/\text{NDF}: 27938.5/87$

- sign 297.387 ± 0.874 $\chi^2/\text{NDF}: 15523.9/43$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 59.567 $\pm$ 1.655 χ^2 /NDF: 778.0/18

Left Out: 65.323 $\pm$ 0.935 χ^2 /NDF:1007.1/24

Right Out: 46.442 $\pm$ 1.543 χ^2 /NDF: 708.1/20

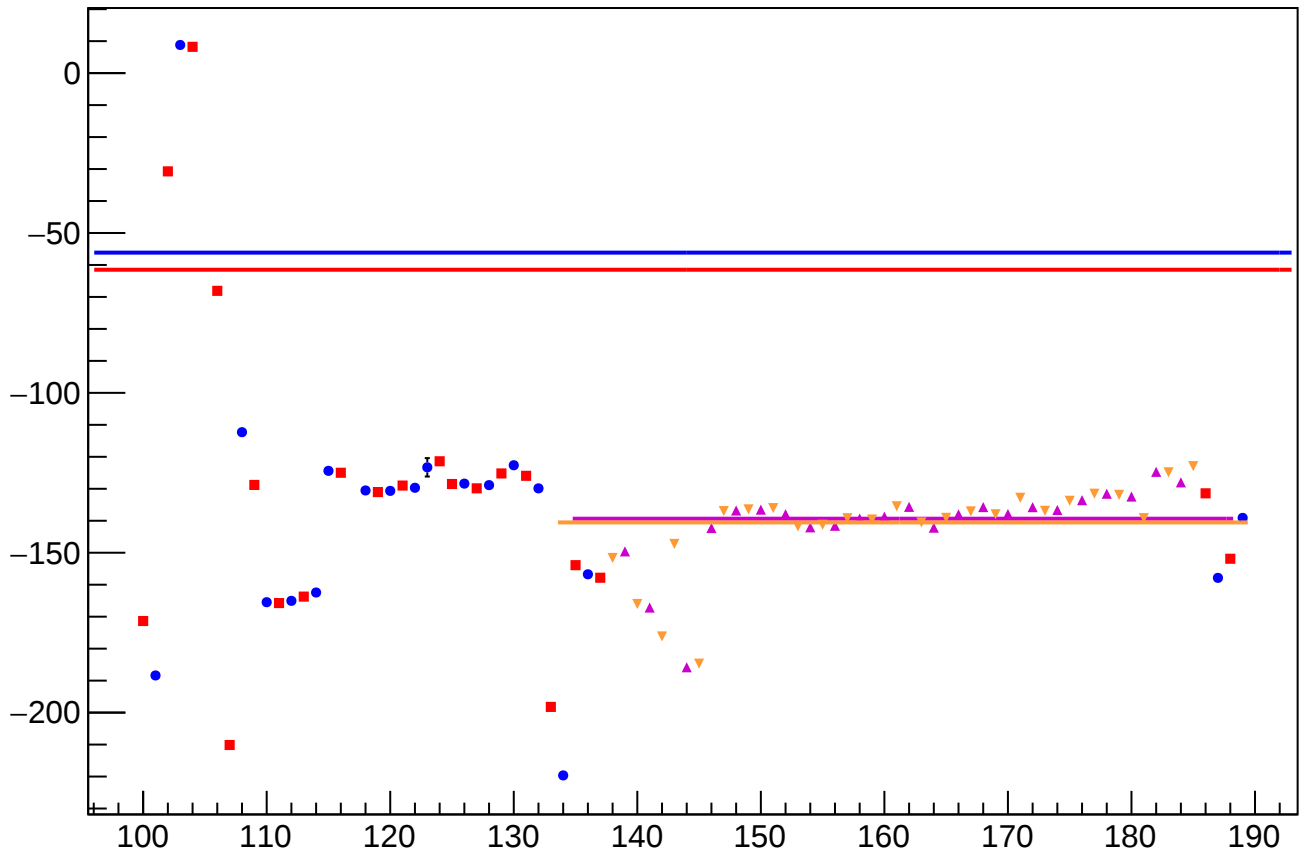
Left In: 63.999 $\pm$ 0.963 χ^2 /NDF:799.5/22

+ sign 63.931 $\pm$ 0.814 χ^2 /NDF: 1794.3/43

All: 61.514 $\pm$ 0.577 χ^2 /NDF: 3412.6/87

- sign 59.080 $\pm$ 0.817 χ^2 /NDF: 1600.7/43

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -56.140 ± 0.069 χ^2/NDF : 1279066.0/18

Left Out: -140.519 ± 0.045 χ^2/NDF : 77489.0/24

Right Out: -61.492 ± 0.069 χ^2/NDF : 1075644.0/20

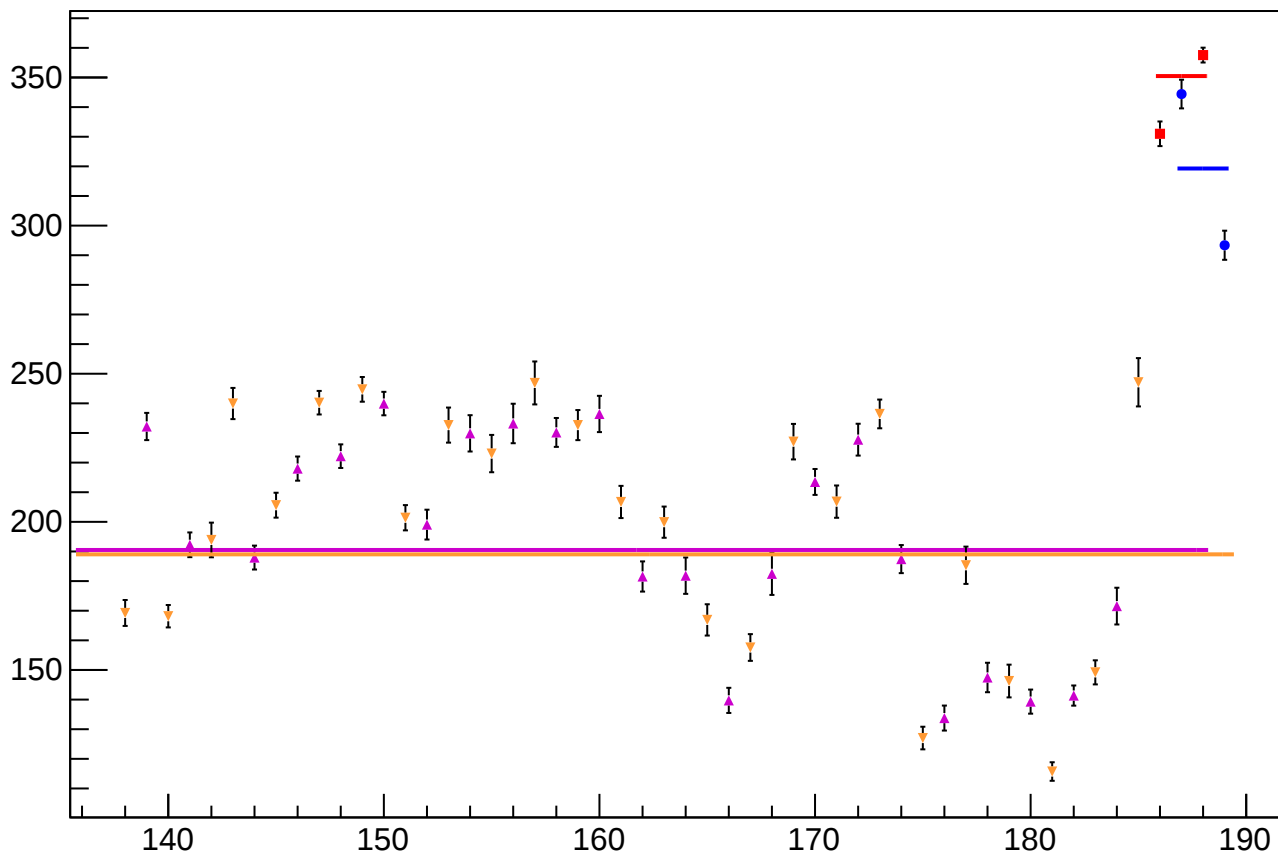
Left In: -139.360 ± 0.045 χ^2/NDF : 62449.0/22

+ sign -115.841 ± 0.037 χ^2/NDF : 2405567.3/43

All: -116.091 ± 0.027 χ^2/NDF : 4428374.2/87

- sign -116.345 ± 0.038 χ^2/NDF : 2022717.3/43

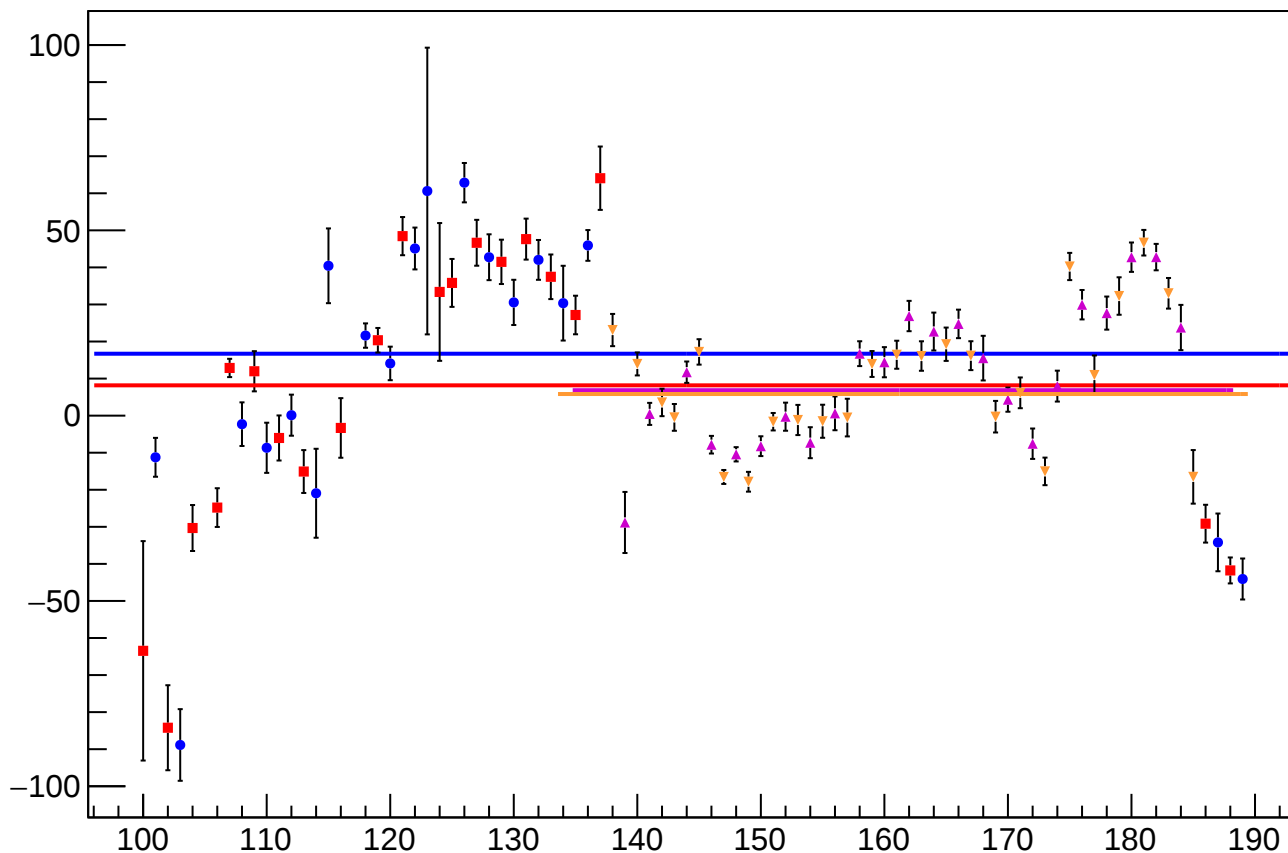
reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 319.276 $\pm$ 3.448 χ^2 /NDF: 54.8/1
 Left Out: 189.030 $\pm$ 0.956 χ^2 /NDF:1980.9/24
 Right Out: 350.479 $\pm$ 2.146 χ^2 /NDF: 30.0/1
 Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

+ sign 198.324 $\pm$ 0.921 χ^2 /NDF: 3360.5/26
 All: 208.469 $\pm$ 0.639 χ^2 /NDF: 9645.0/51
 - sign 217.892 $\pm$ 0.888 χ^2 /NDF: 6050.5/24

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 16.709 $\pm$ 1.335 χ^2 /NDF: 561.1/18

Left Out: 5.834 $\pm$ 0.712 χ^2 /NDF: 652.2/24

Right Out: 8.176 $\pm$ 1.130 χ^2 /NDF: 728.9/20

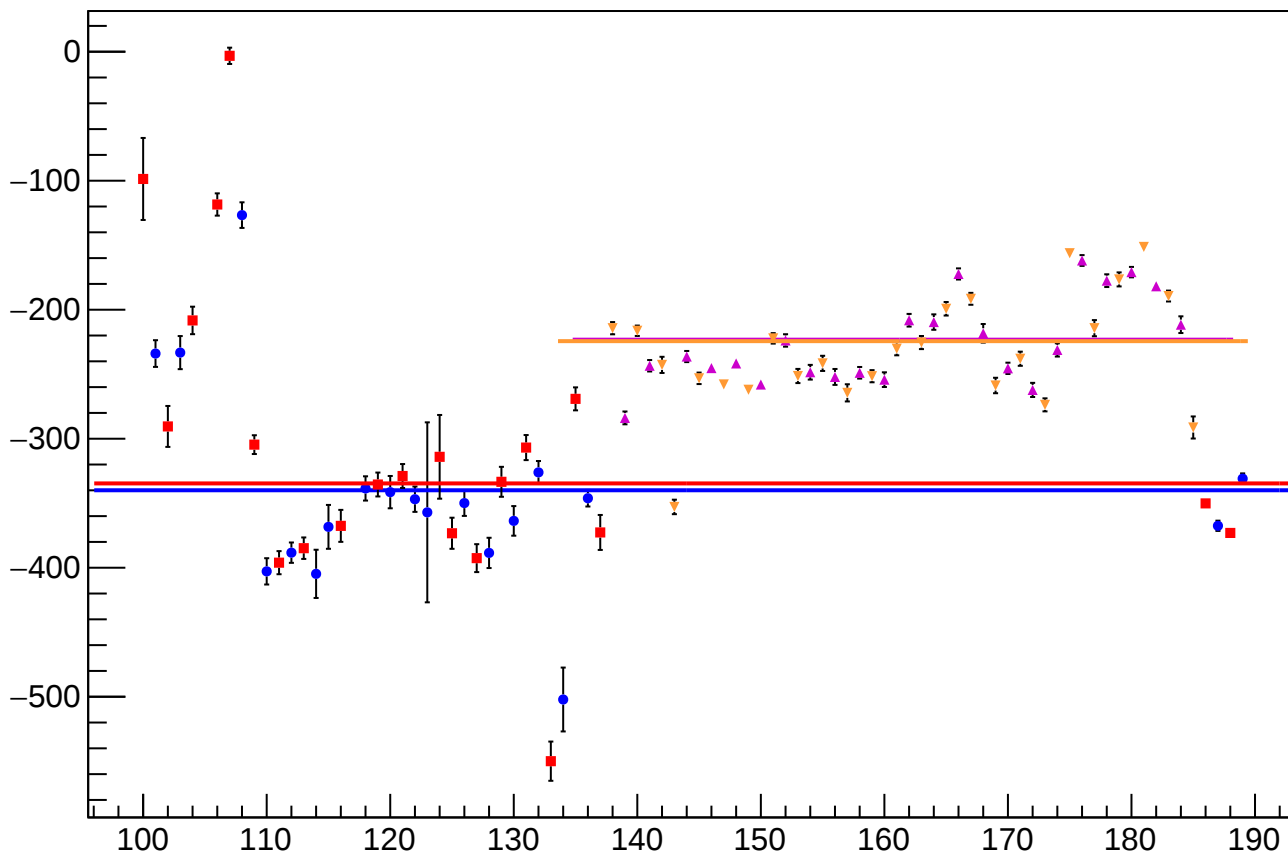
Left In: 6.862 $\pm$ 0.736 χ^2 /NDF: 522.7/22

+ sign 8.244 $\pm$ 0.629 χ^2 /NDF: 1265.0/43

All: 7.739 $\pm$ 0.440 χ^2 /NDF: 2518.8/87

- sign 7.253 $\pm$ 0.617 χ^2 /NDF: 1252.6/43

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -339.957 ± 1.913 χ^2/NDF : 848.4/18

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -334.646 ± 1.383 χ^2/NDF : 4387.7/20

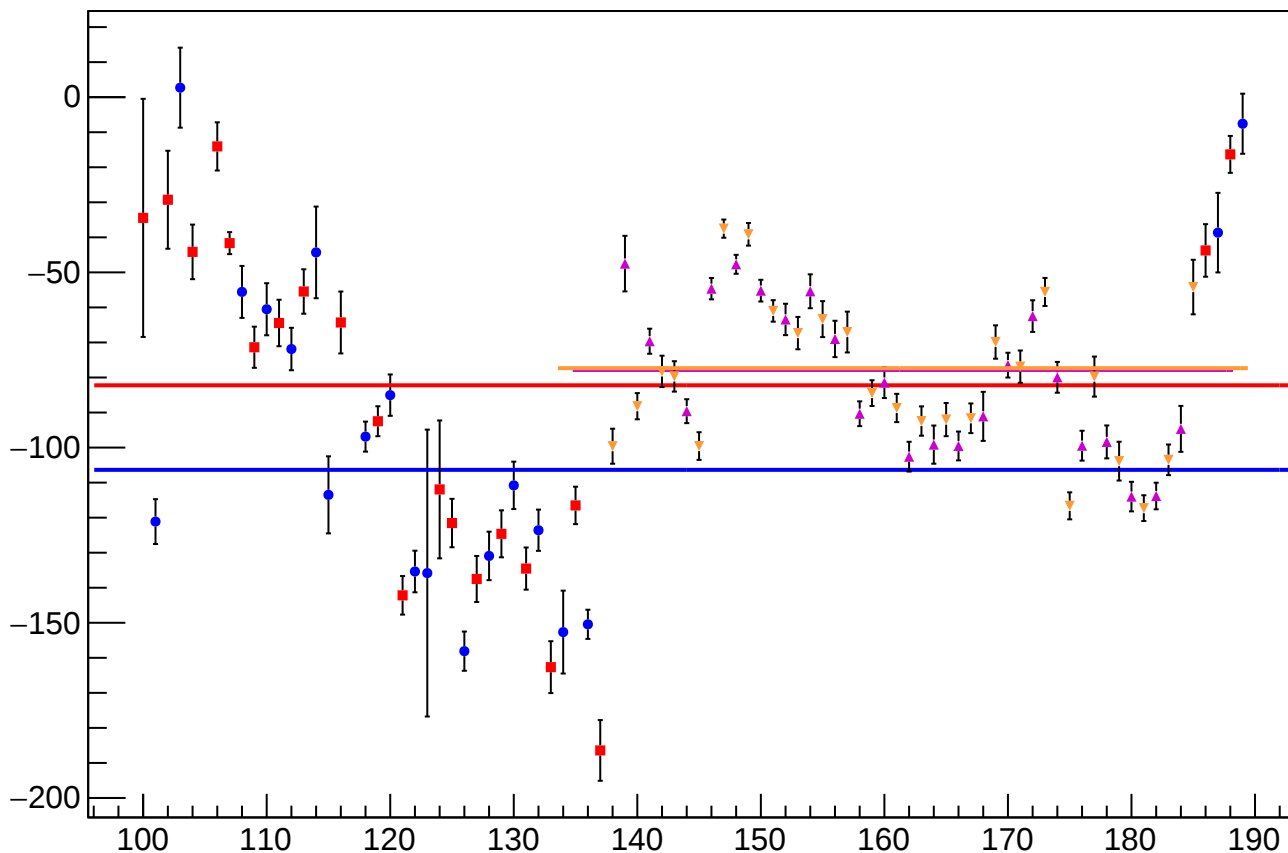
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -247.459 ± 0.855 χ^2/NDF : 5872.4/43

All: -254.153 ± 0.582 χ^2/NDF : 15996.4/87

- sign -259.919 ± 0.794 χ^2/NDF : 10010.0/43

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -106.356 ± 1.559 χ^2/NDF : 681.8/18

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -82.225 ± 1.362 χ^2/NDF : 1170.5/20

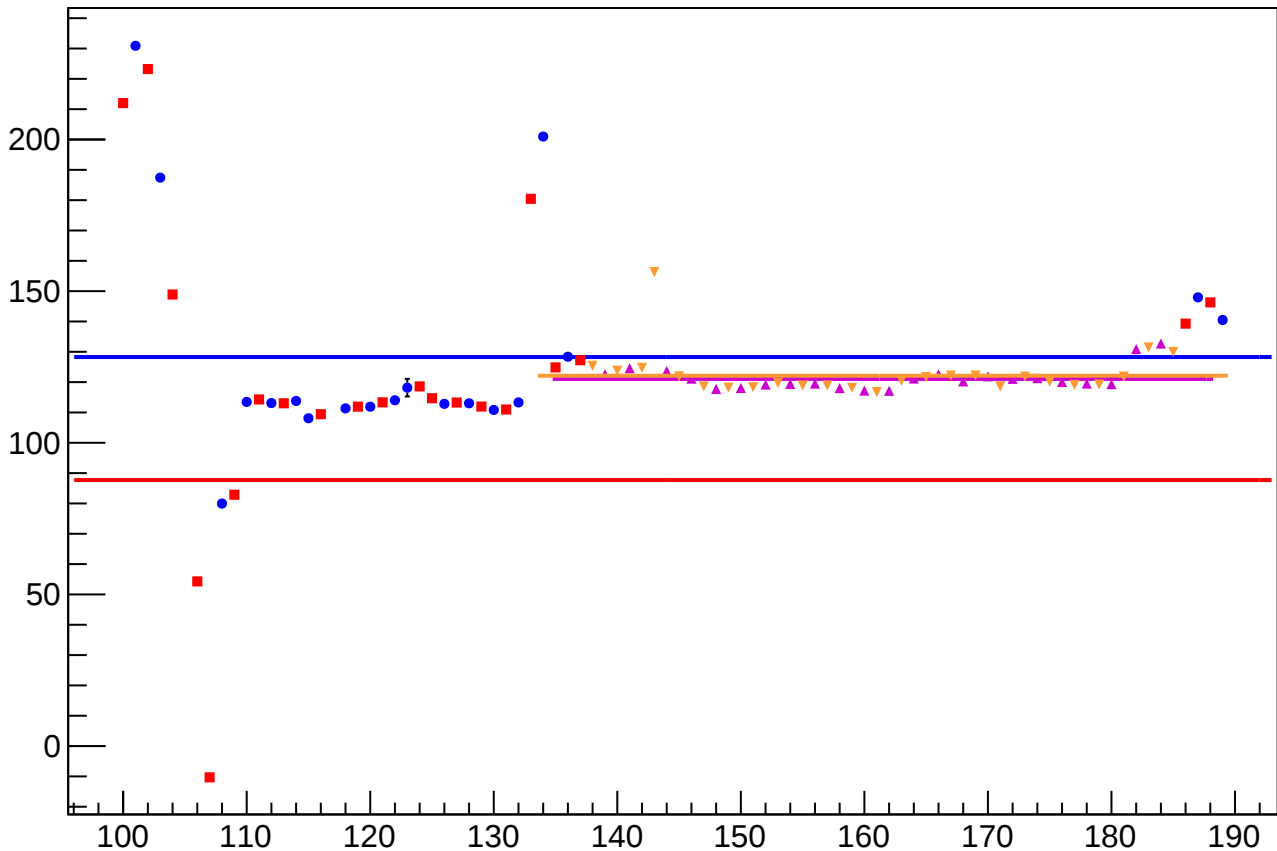
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -83.712 ± 0.730 χ^2/NDF : 1798.4/43

All: -81.356 ± 0.513 χ^2/NDF : 3619.7/87

- sign -79.066 ± 0.720 χ^2/NDF : 1800.8/43

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.275 $\pm$ 0.087 χ^2 /NDF: 189590.4/18

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24

Right Out: 87.718 $\pm$ 0.072 χ^2 /NDF: 821456.5/20

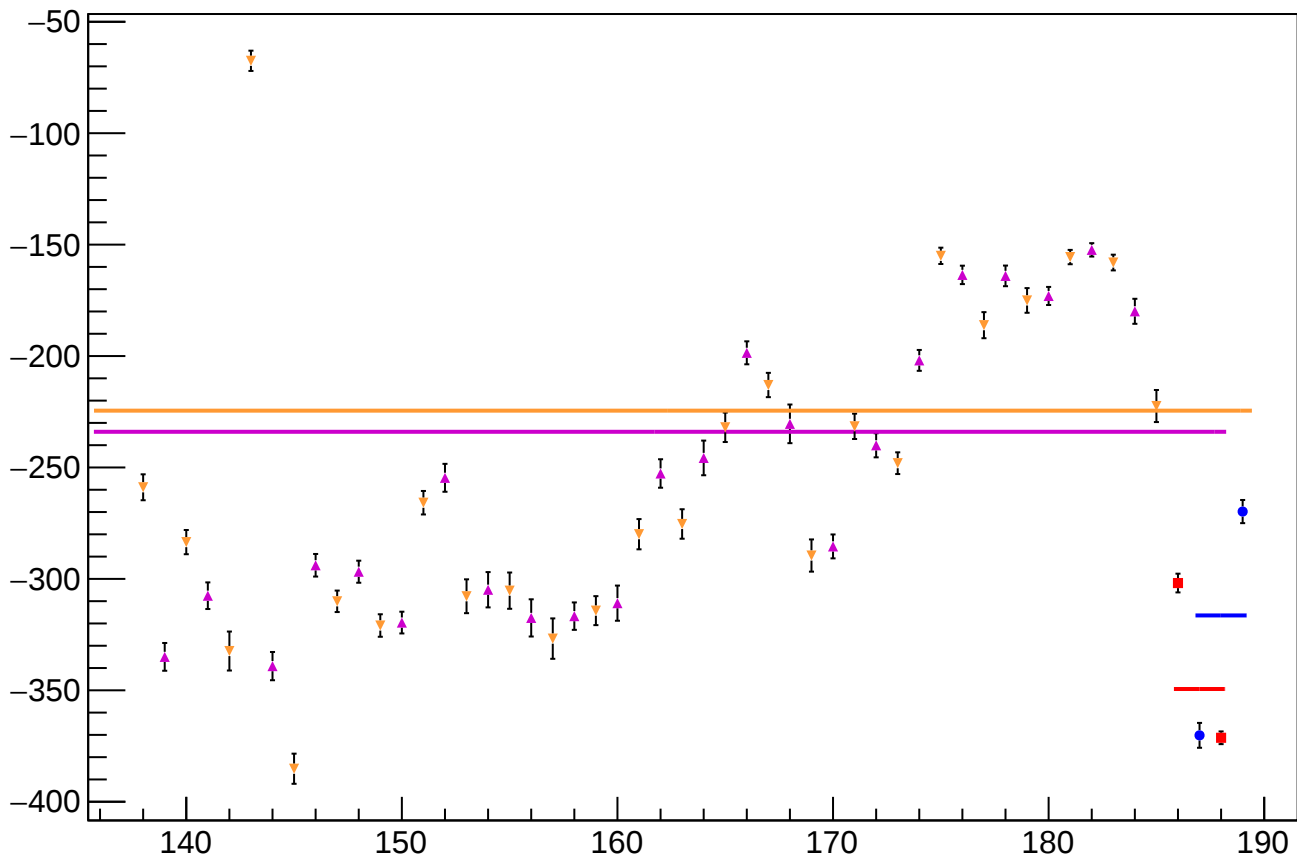
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 123.170 $\pm$ 0.036 χ^2 /NDF: 224236.9/43

All: 118.090 $\pm$ 0.025 χ^2 /NDF: 1256048.6/87

- sign 113.310 $\pm$ 0.035 χ^2 /NDF: 992921.9/43

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -316.399 ± 3.804 $\chi^2/\text{NDF}: 173.3/1$

Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$

Right Out: -349.411 ± 2.360 $\chi^2/\text{NDF}: 186.8/1$

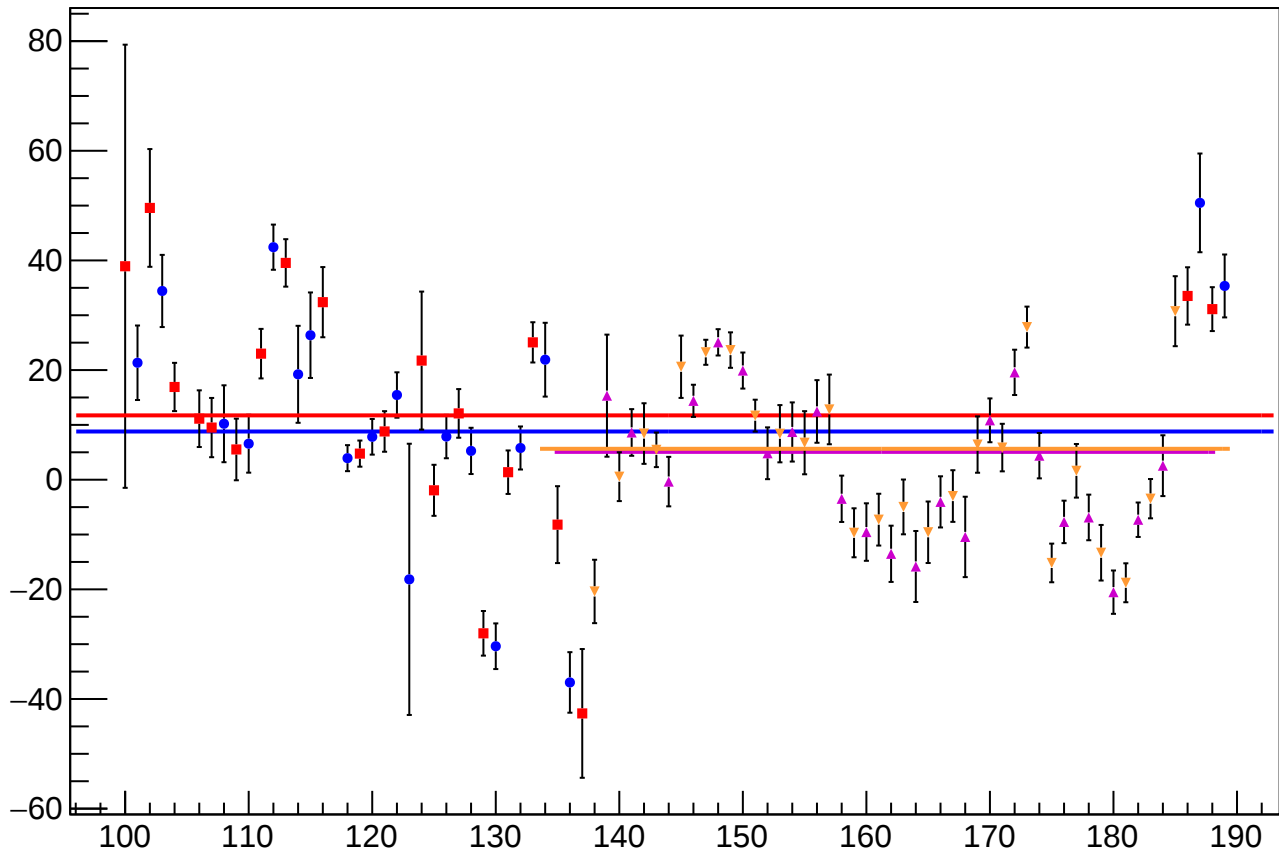
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -231.344 ± 1.038 $\chi^2/\text{NDF}: 5584.0/26$

All: -243.495 ± 0.721 $\chi^2/\text{NDF}: 11533.5/51$

- sign -254.848 ± 1.003 $\chi^2/\text{NDF}: 5684.5/24$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.794 ± 1.077 $\chi^2/\text{NDF}: 305.1/18$

Left Out: 5.638 ± 0.828 $\chi^2/\text{NDF}: 313.6/24$

Right Out: 11.734 ± 1.016 $\chi^2/\text{NDF}: 277.7/20$

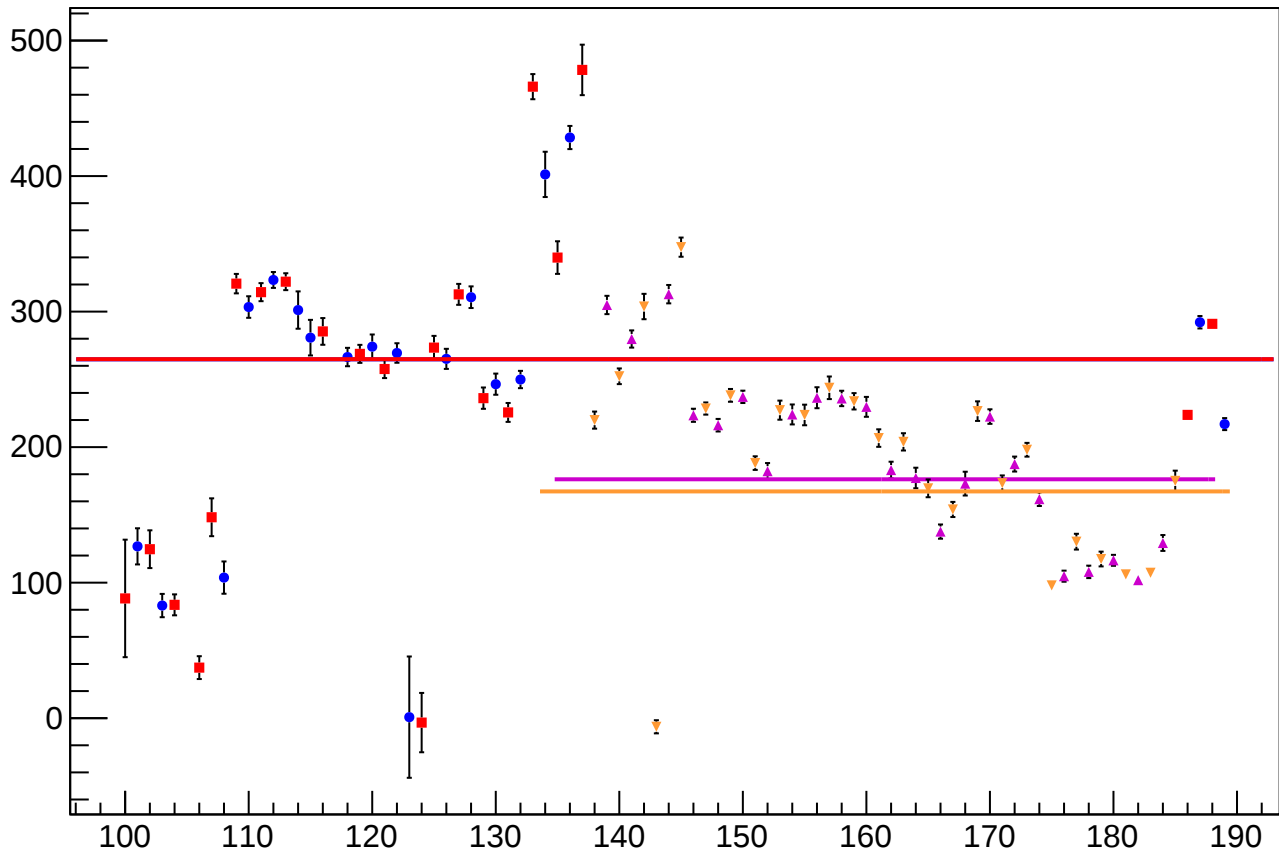
Left In: 5.077 ± 0.869 $\chi^2/\text{NDF}: 239.7/22$

+ sign 6.810 ± 0.656 $\chi^2/\text{NDF}: 624.1/43$

All: 7.346 ± 0.466 $\chi^2/\text{NDF}: 1167.6/87$

- sign 7.888 ± 0.660 $\chi^2/\text{NDF}: 542.1/43$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 264.754 $\pm$ 1.750 χ^2/NDF : 1533.3/18

Left Out: 167.327 $\pm$ 1.082 χ^2/NDF : 4454.5/24

Right Out: 264.901 $\pm$ 1.371 χ^2/NDF : 2824.8/20

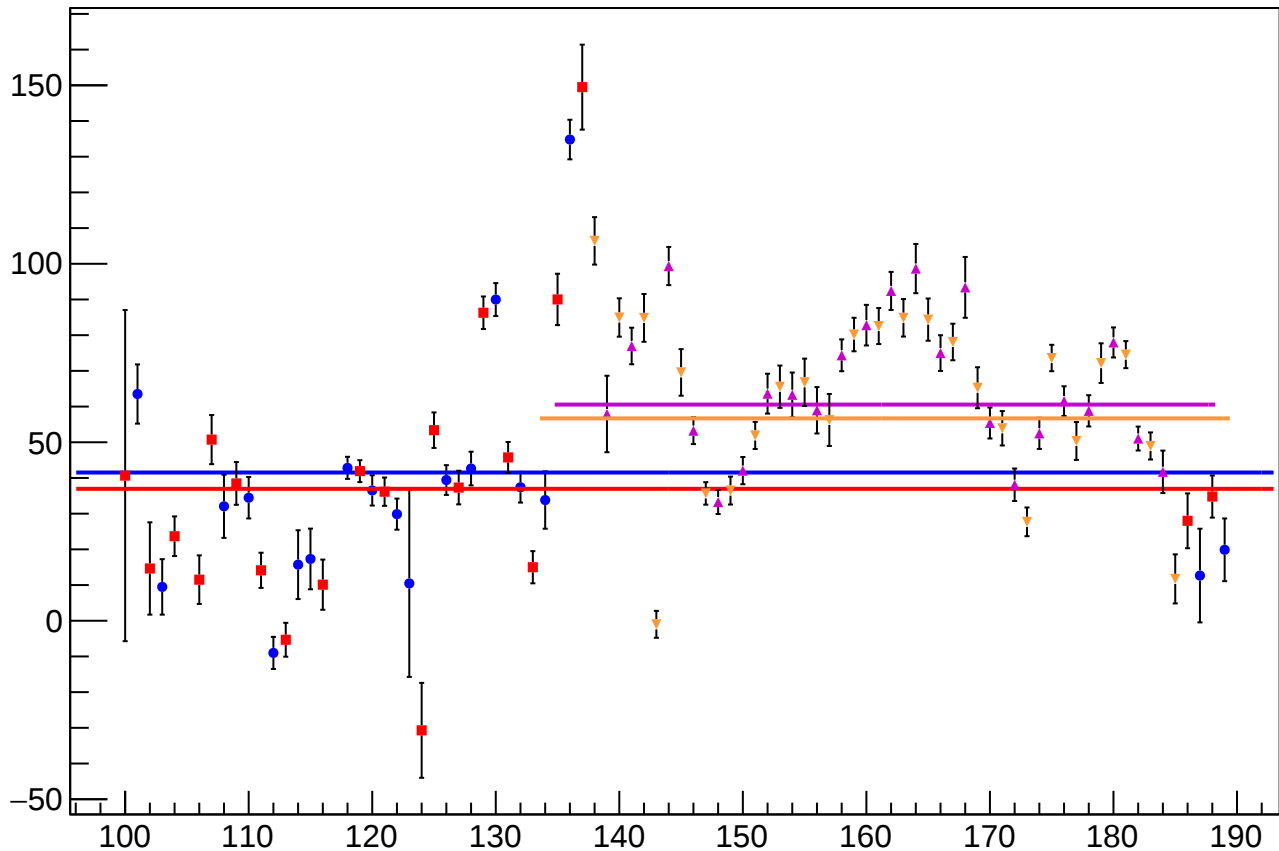
Left In: 176.272 $\pm$ 1.106 χ^2/NDF : 3169.5/22

+ sign 194.287 $\pm$ 0.921 χ^2/NDF : 8229.4/43

All: 203.319 $\pm$ 0.629 χ^2/NDF : 16936.9/87

- sign 211.212 $\pm$ 0.861 χ^2/NDF : 8527.1/43

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 41.525 ± 1.258 $\chi^2/\text{NDF}: 584.3/18$

Left Out: 56.695 ± 0.952 $\chi^2/\text{NDF}: 690.4/24$

Right Out: 36.961 ± 1.196 $\chi^2/\text{NDF}: 472.1/20$

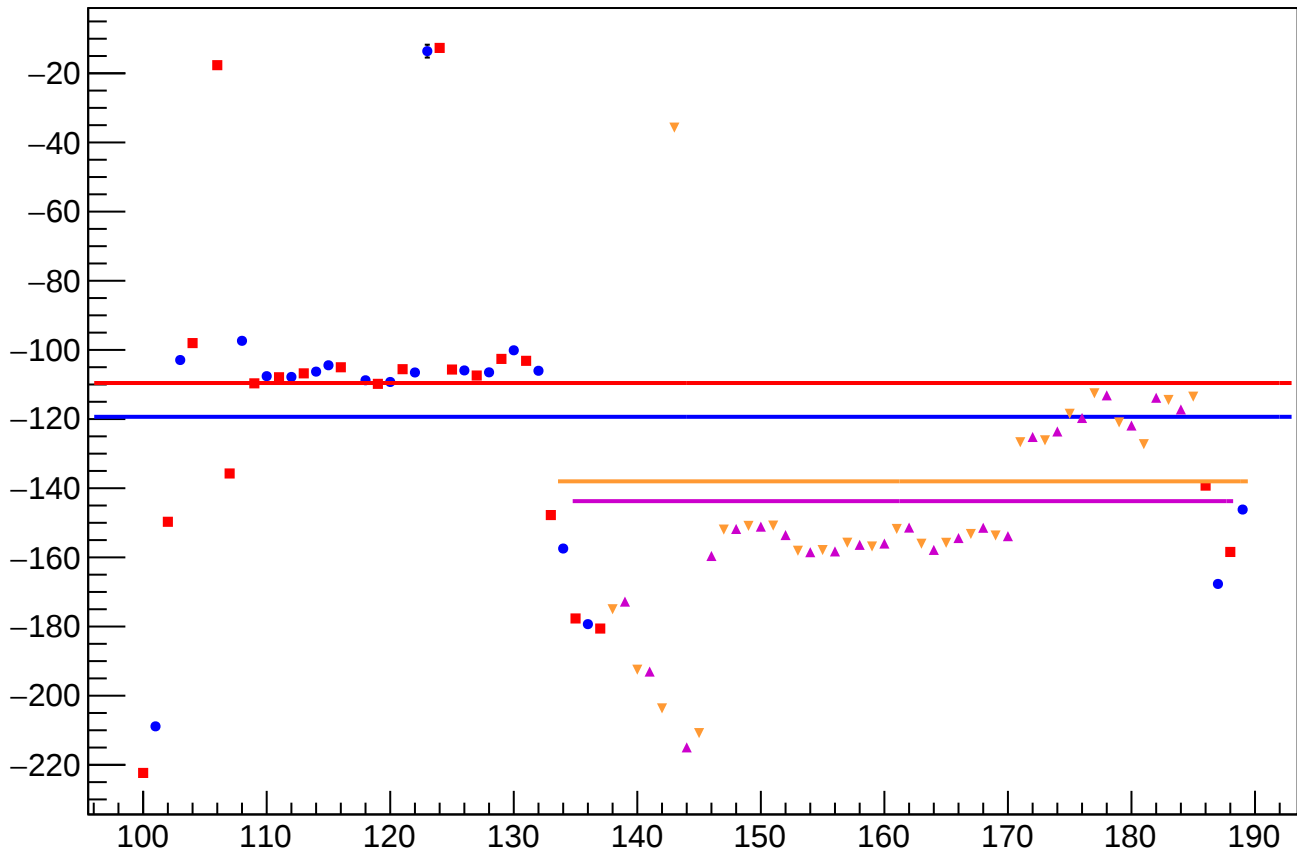
Left In: 60.555 ± 0.990 $\chi^2/\text{NDF}: 335.6/22$

+ sign 51.170 ± 0.759 $\chi^2/\text{NDF}: 1367.3/43$

All: 51.065 ± 0.538 $\chi^2/\text{NDF}: 2406.0/87$

- sign 50.959 ± 0.763 $\chi^2/\text{NDF}: 1038.7/43$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -119.347 ± 0.077 $\chi^2/\text{NDF}: 151534.3/18$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -109.570 ± 0.070 $\chi^2/\text{NDF}: 358524.7/20$

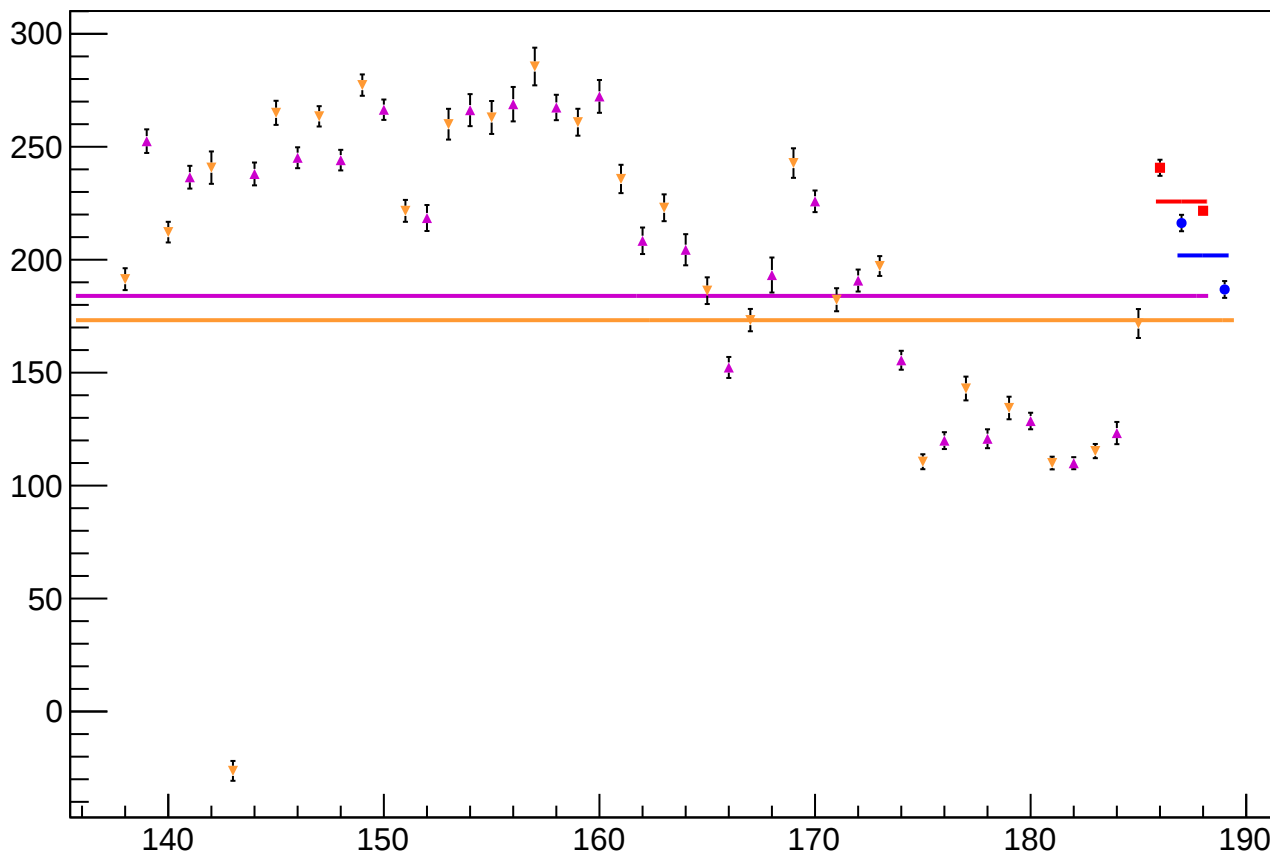
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -133.201 ± 0.039 $\chi^2/\text{NDF}: 761349.2/43$

All: -133.303 ± 0.027 $\chi^2/\text{NDF}: 1544399.0/87$

- sign -133.403 ± 0.039 $\chi^2/\text{NDF}: 783036.2/43$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 201.898 $\pm$ 2.599 χ^2 /NDF: 32.0/1

Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF: 5846.0/24

Right Out: 225.762 $\pm$ 1.651 χ^2 /NDF: 22.4/1

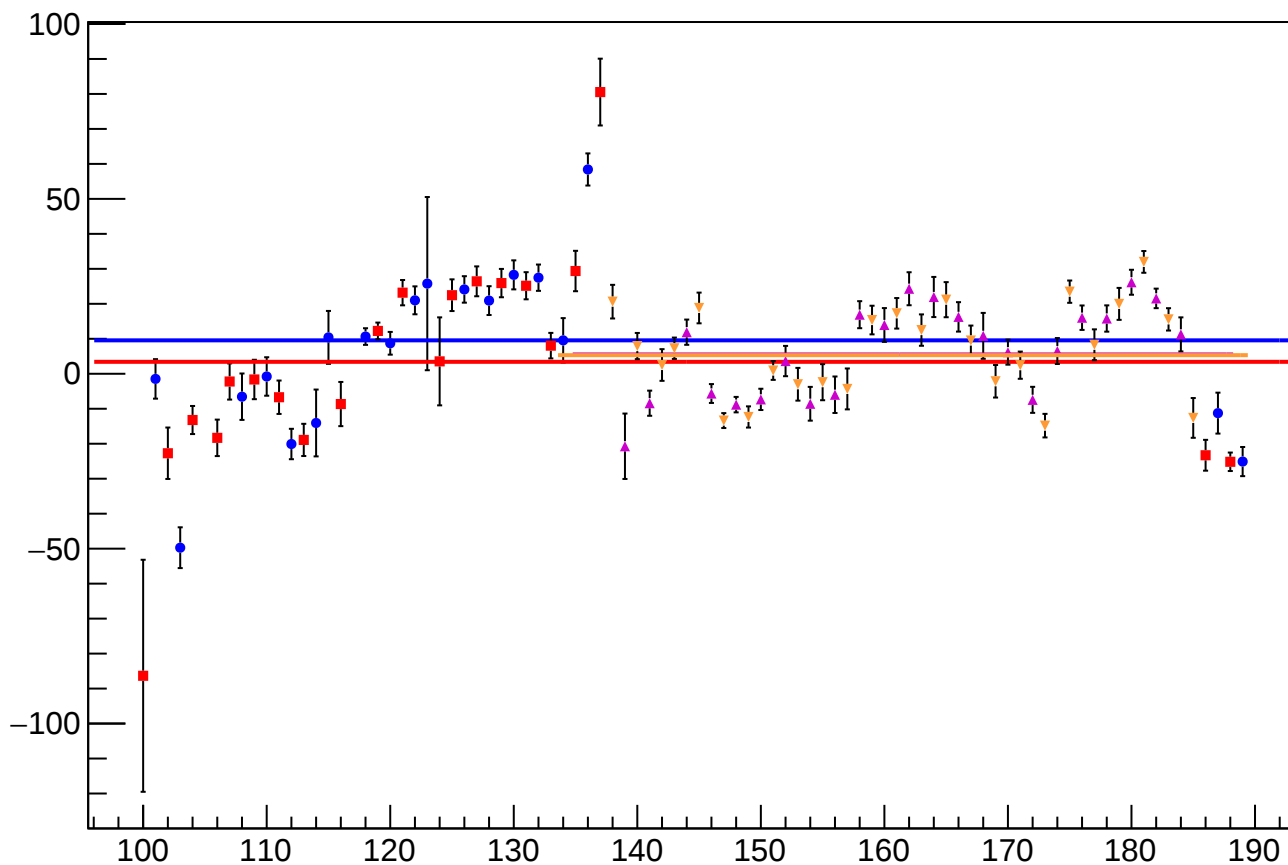
Left In: 183.984 $\pm$ 0.991 χ^2 /NDF: 3613.7/22

+ sign 176.707 $\pm$ 0.905 χ^2 /NDF: 5984.9/26

All: 186.457 $\pm$ 0.619 χ^2 /NDF: 10310.0/51

- sign 195.048 $\pm$ 0.850 χ^2 /NDF: 4106.8/24

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 9.555 ± 1.026 χ^2/NDF : 438.5/18

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: 3.416 ± 0.952 χ^2/NDF : 481.7/20

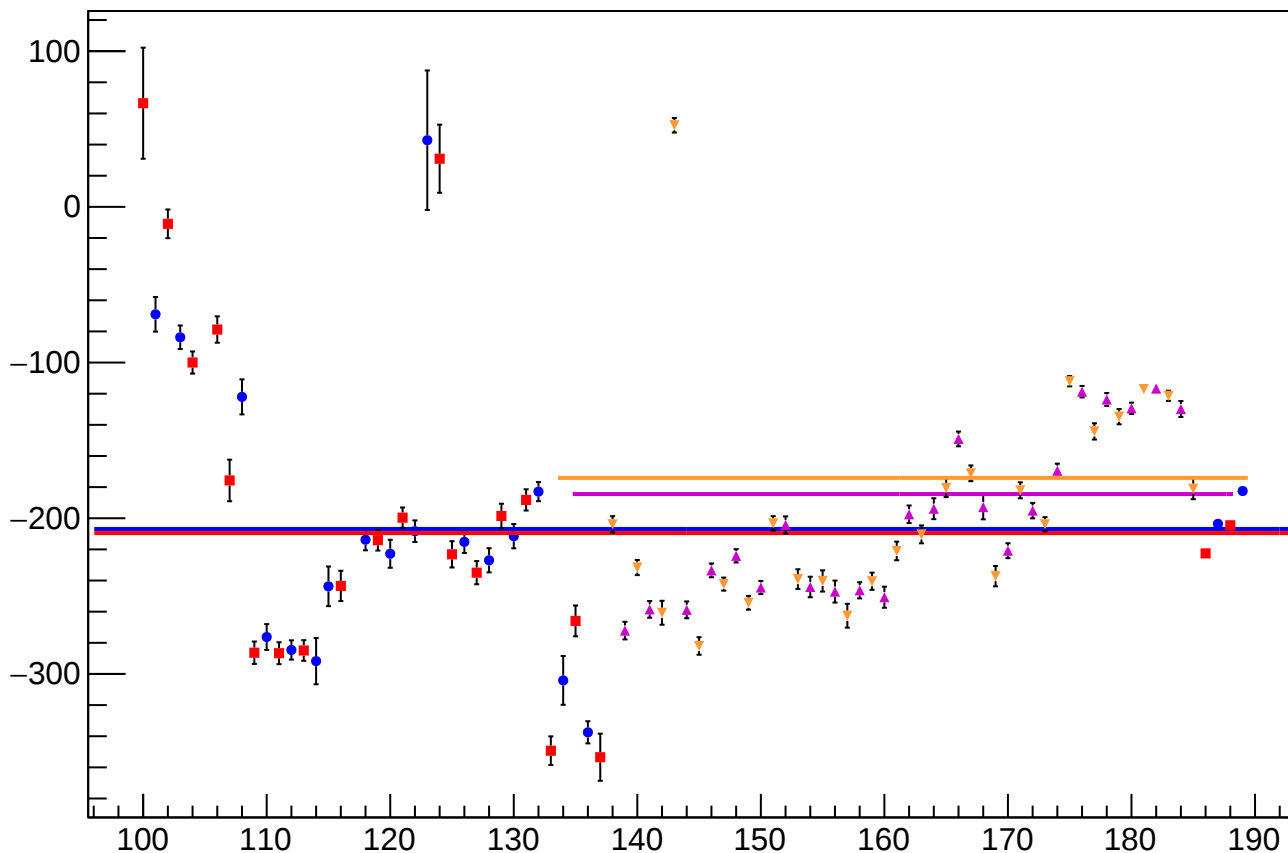
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 6.789 ± 0.604 χ^2/NDF : 795.2/43

All: 5.733 ± 0.427 χ^2/NDF : 1542.2/87

- sign 4.678 ± 0.604 χ^2/NDF : 741.0/43

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -206.871 ± 1.475 χ^2/NDF : 1241.4/18

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -209.541 ± 1.092 χ^2/NDF : 1918.4/20

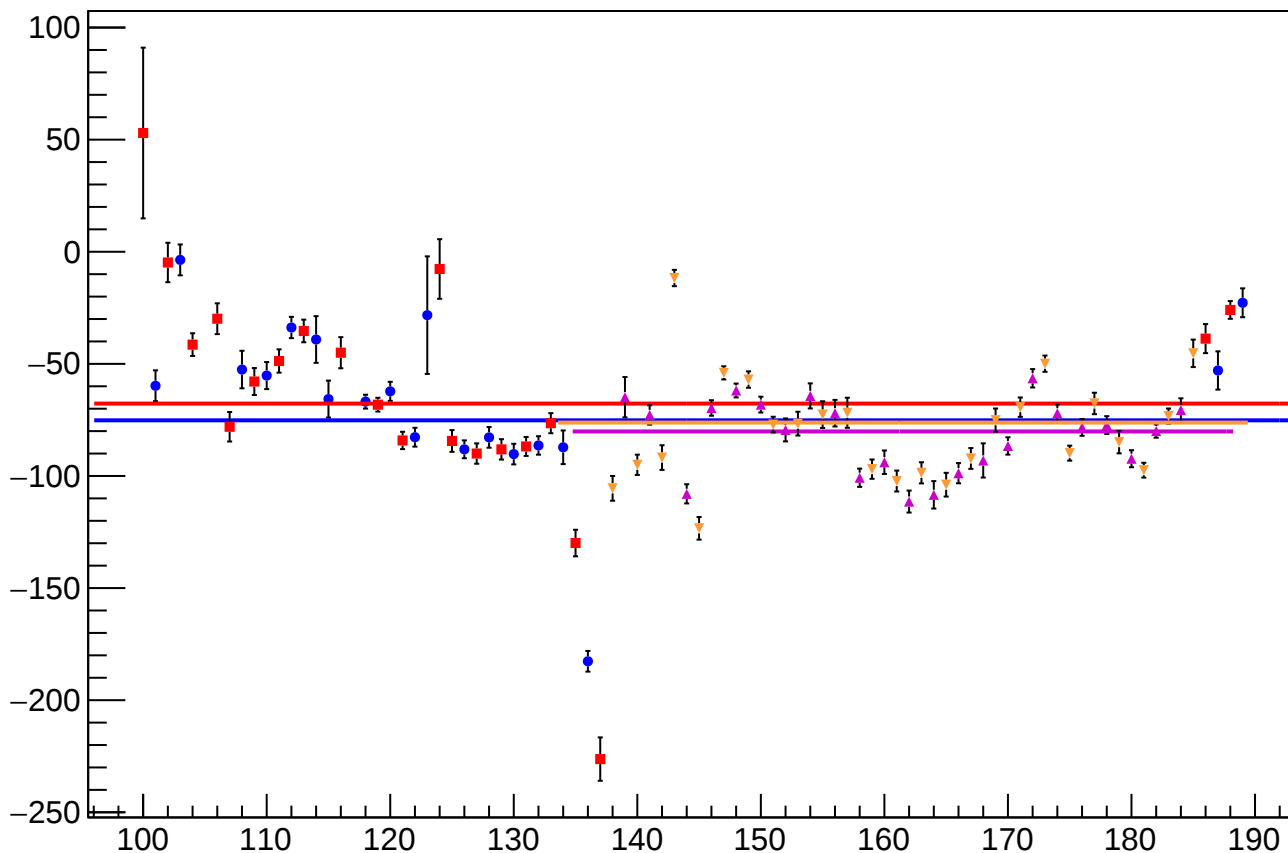
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -183.974 ± 0.811 χ^2/NDF : 7029.8/43

All: -190.463 ± 0.544 χ^2/NDF : 12405.5/87

- sign -195.776 ± 0.734 χ^2/NDF : 5259.3/43

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -75.182 ± 1.205 χ^2/NDF : 893.2/18

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -67.720 ± 1.138 χ^2/NDF : 818.3/20

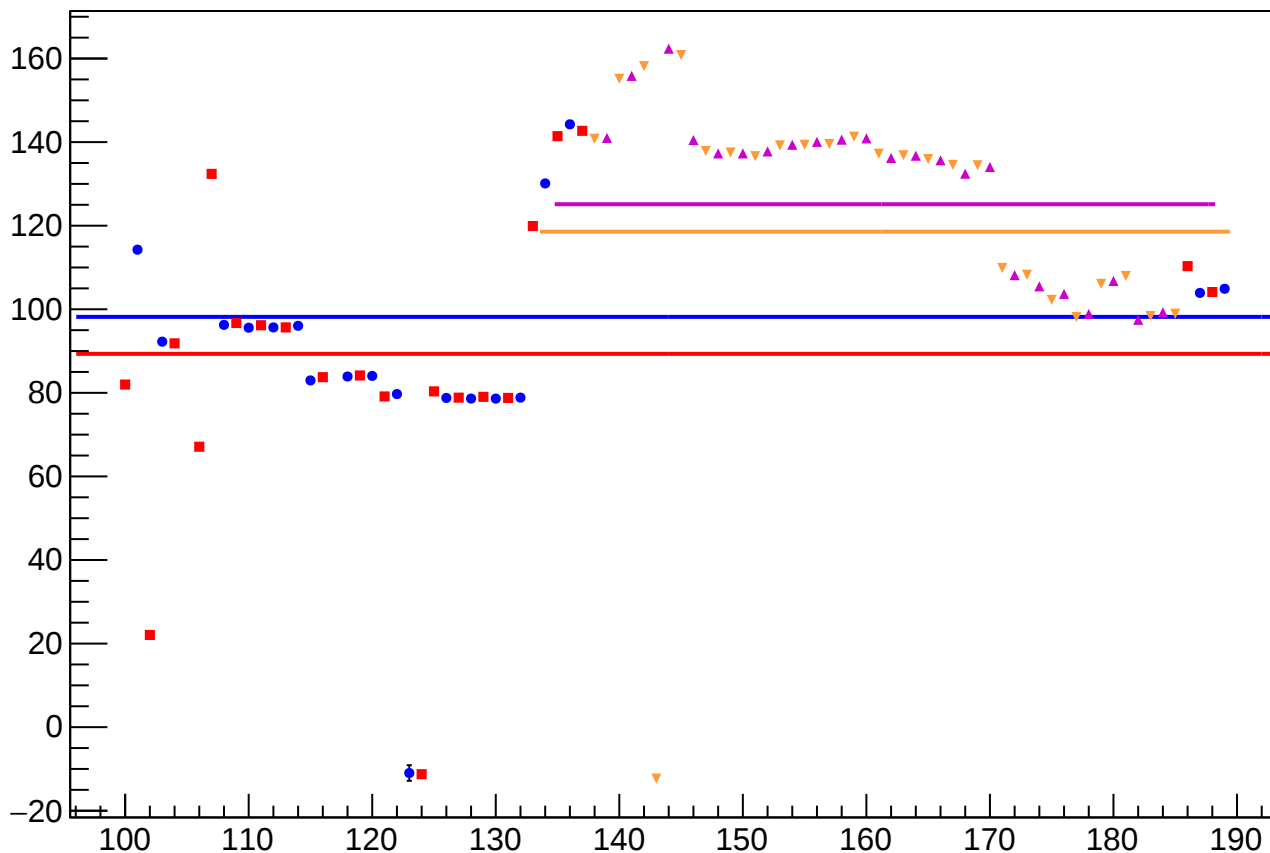
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -75.846 ± 0.698 χ^2/NDF : 1694.7/43

All: -75.642 ± 0.495 χ^2/NDF : 2870.5/87

- sign -75.437 ± 0.701 χ^2/NDF : 1175.6/43

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.182 $\pm$ 0.071 χ^2 /NDF: 94582.9/18

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 89.336 $\pm$ 0.064 χ^2 /NDF: 229034.1/20

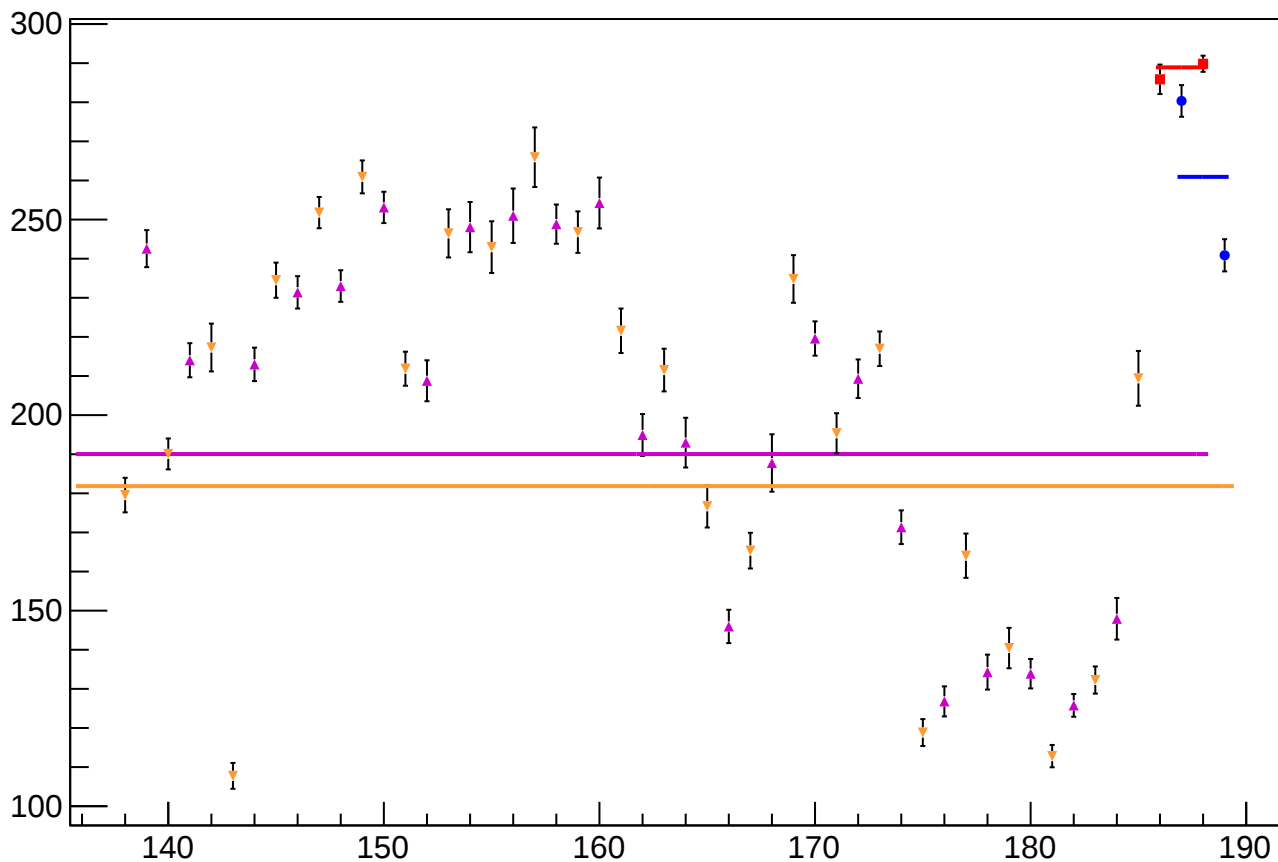
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 113.564 $\pm$ 0.035 χ^2 /NDF: 885495.1/43

All: 114.125 $\pm$ 0.025 χ^2 /NDF: 1555854.2/87

- sign 114.672 $\pm$ 0.035 χ^2 /NDF: 669857.2/43

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 260.923 $\pm$ 2.885 χ^2 /NDF: 46.8/1

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF:3303.4/24

Right Out: 288.923 $\pm$ 1.813 χ^2 /NDF: 0.9/1

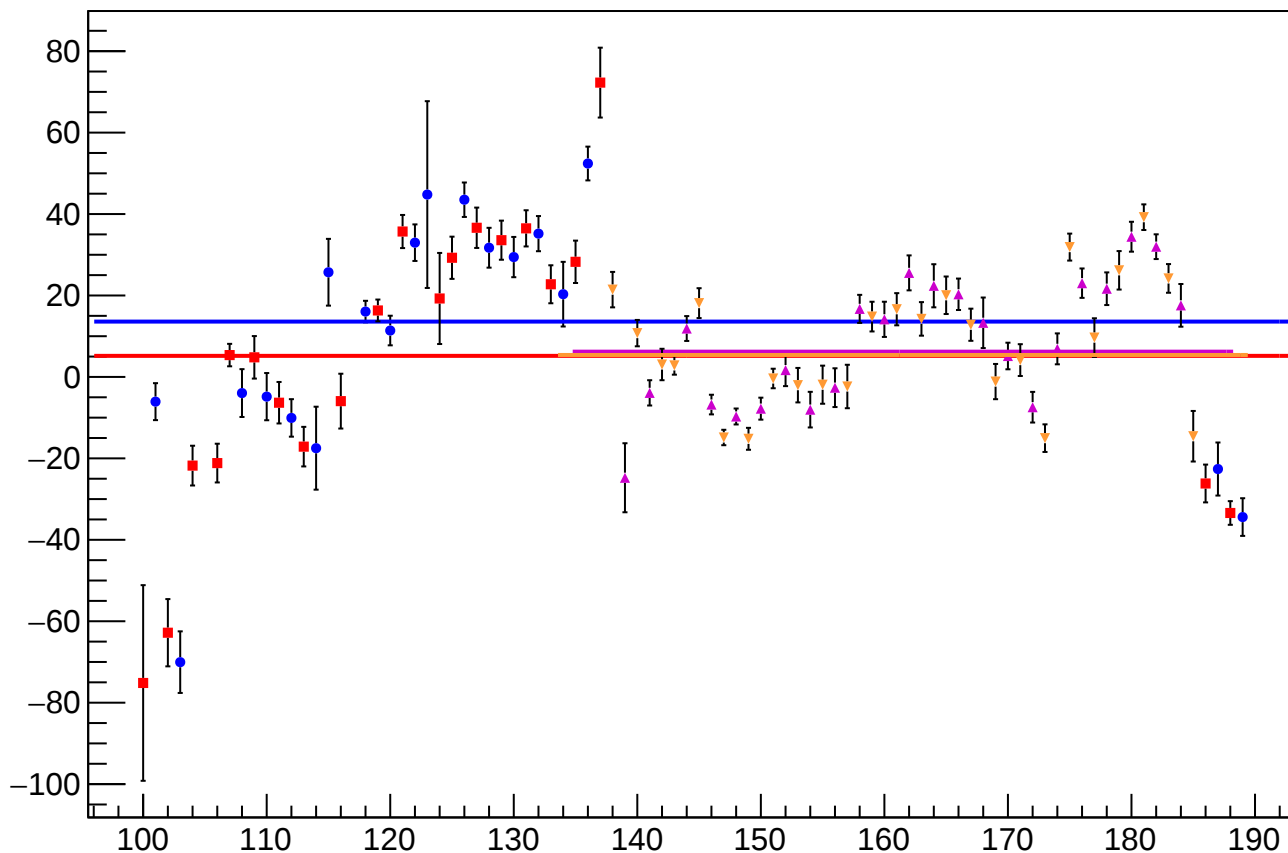
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 189.054 $\pm$ 0.871 χ^2 /NDF: 4033.0/26

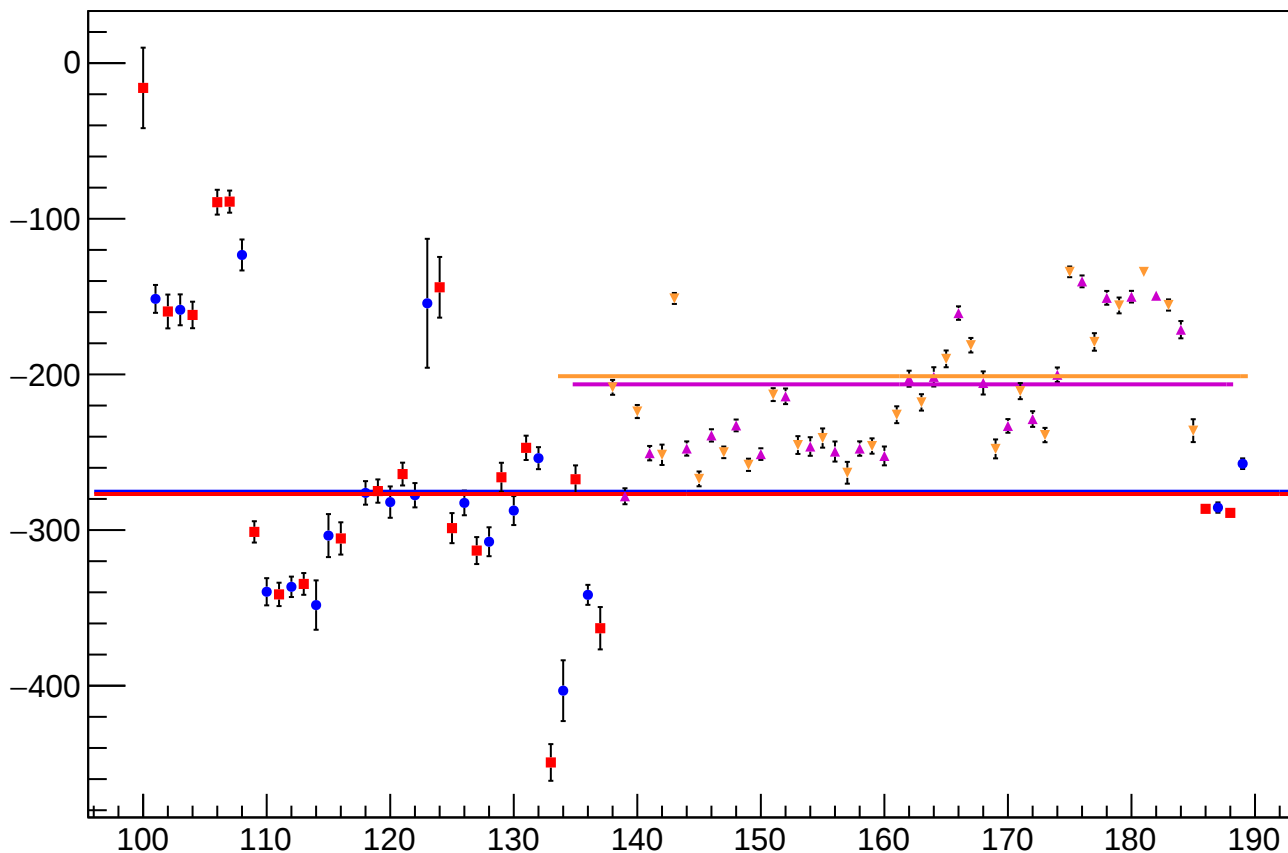
All: 200.610 $\pm$ 0.606 χ^2 /NDF: 9144.6/51

- sign 211.452 $\pm$ 0.843 χ^2 /NDF: 4770.2/24

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -275.356 $\pm$ 1.612 χ^2 /NDF: 949.1/18

Left Out: -201.144 $\pm$ 0.918 χ^2 /NDF:2488.8/24

Right Out: -276.834 $\pm$ 1.181 χ^2 /NDF: 2221.6/20

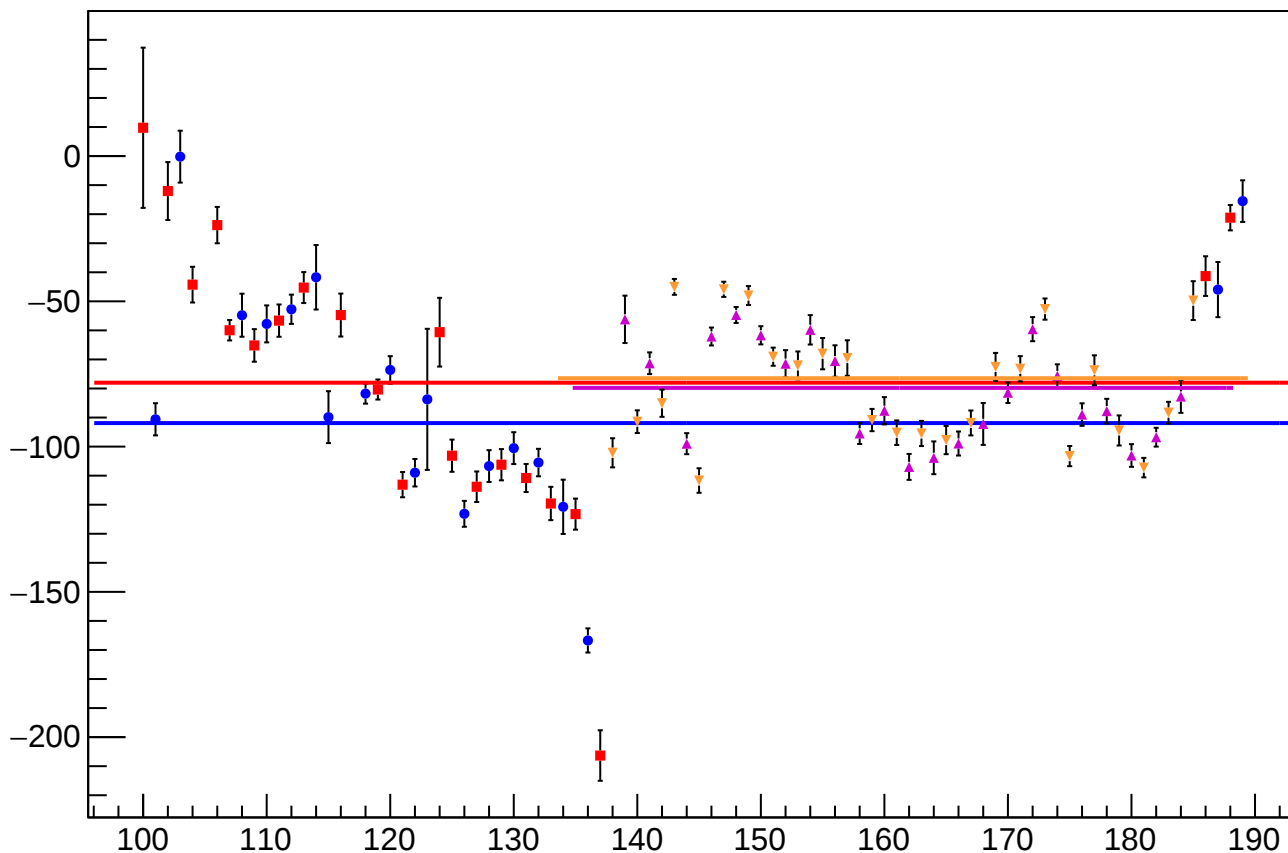
Left In: -206.379 $\pm$ 0.950 χ^2 /NDF:2111.6/22

+ sign -219.312 $\pm$ 0.798 χ^2 /NDF: 5038.4/43

All: -227.236 $\pm$ 0.542 χ^2 /NDF: 11717.7/87

- sign -234.055 $\pm$ 0.740 χ^2 /NDF: 6495.7/43

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -91.910 ± 1.308 χ^2/NDF : 813.5/18

Left Out: -76.460 ± 0.797 χ^2/NDF : 781.3/24

Right Out: -78.005 ± 1.191 χ^2/NDF : 1002.0/20

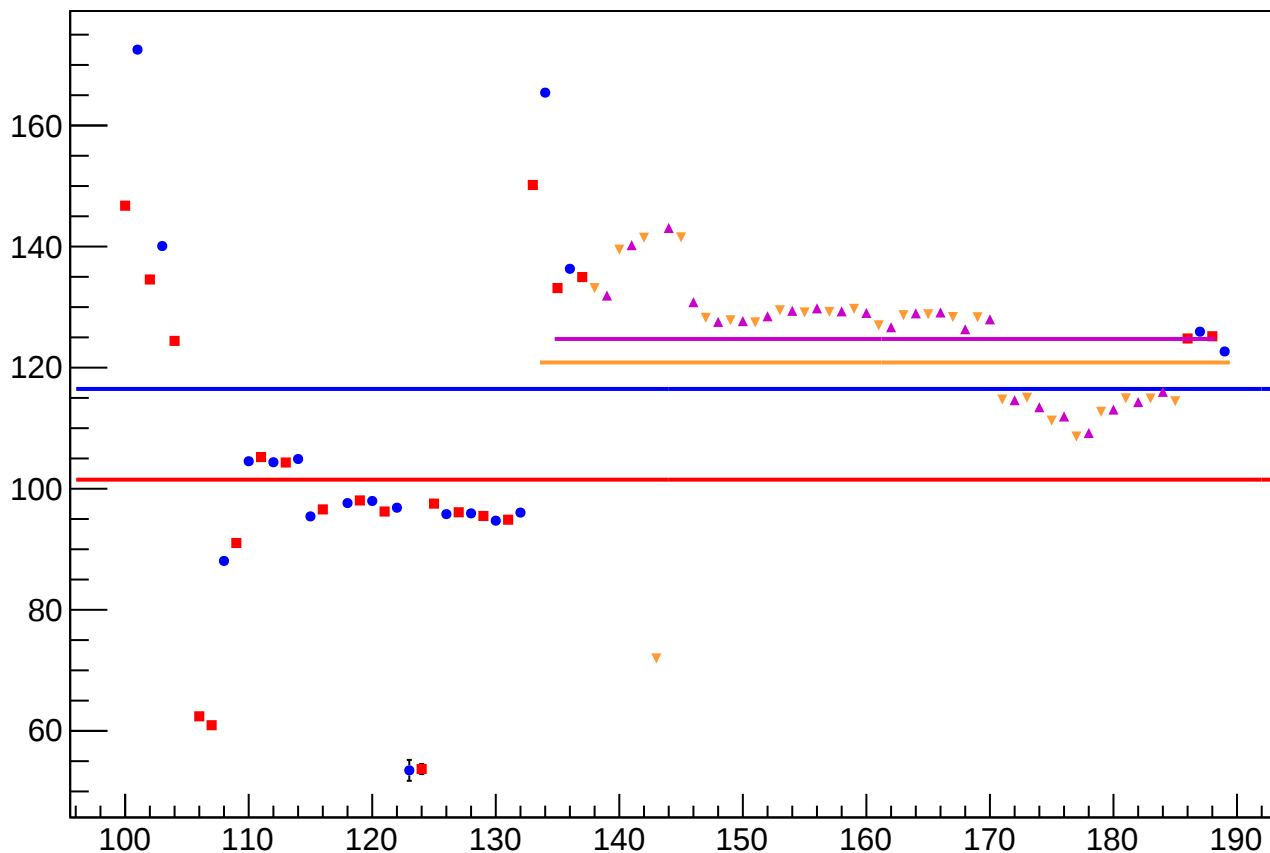
Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

+ sign -80.640 ± 0.680 χ^2/NDF : 1696.6/43

All: -79.926 ± 0.483 χ^2/NDF : 3114.6/87

- sign -79.199 ± 0.686 χ^2/NDF : 1415.7/43

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 116.483+/-0.076 χ^2/NDF : 106316.4/18

Left Out: 120.855+/-0.038 χ^2/NDF :182759.1/24

Right Out: 101.500+/-0.065 χ^2/NDF : 186959.4/20

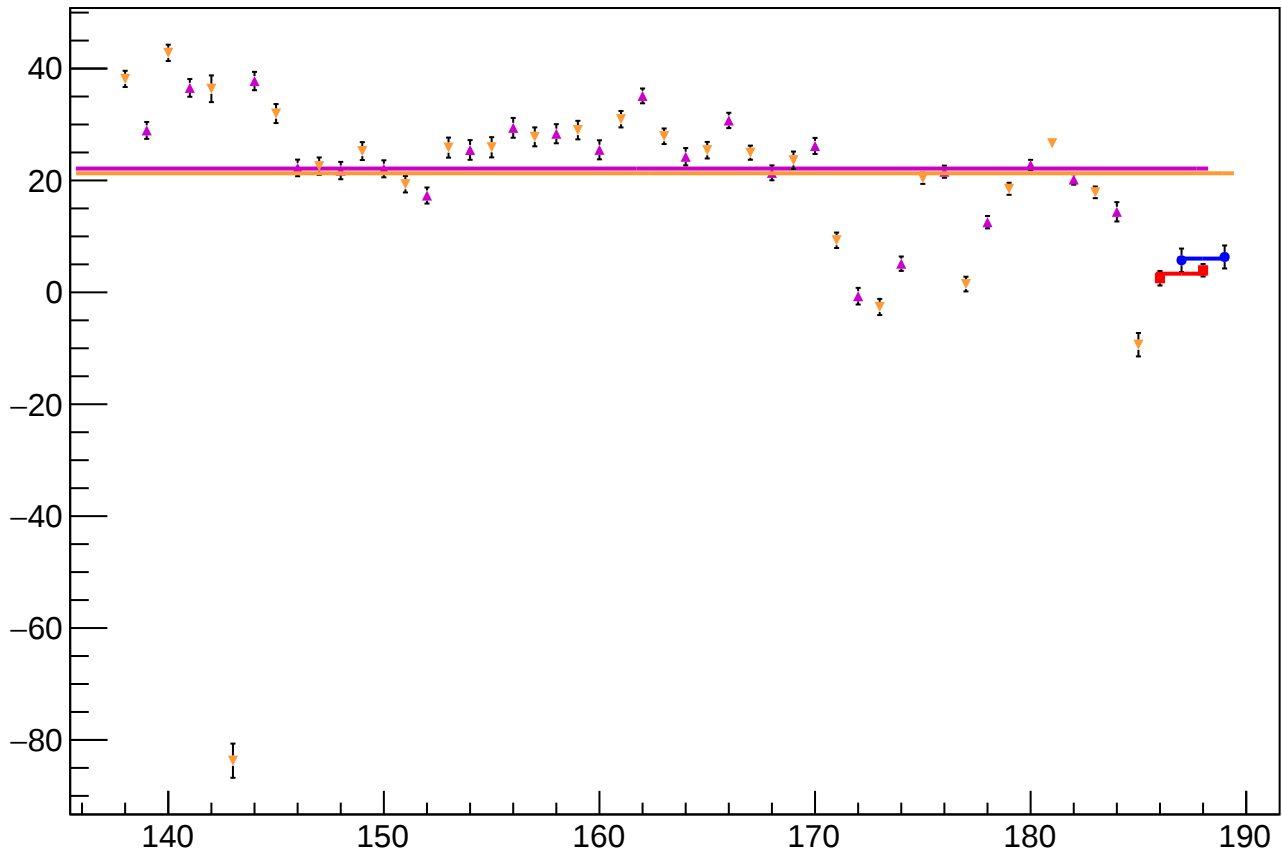
Left In: 124.738+/-0.039 χ^2/NDF :51298.3/22

+ sign 119.977+/-0.034 χ^2/NDF : 291728.3/43

All: 119.260+/-0.024 χ^2/NDF : 624051.7/87

- sign 118.560+/-0.034 χ^2/NDF : 331446.7/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 6.035 $\pm$ 1.467 χ^2 /NDF: 0.0/1

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF:2600.5/24

Right Out: 3.337 $\pm$ 0.844 χ^2 /NDF: 0.7/1

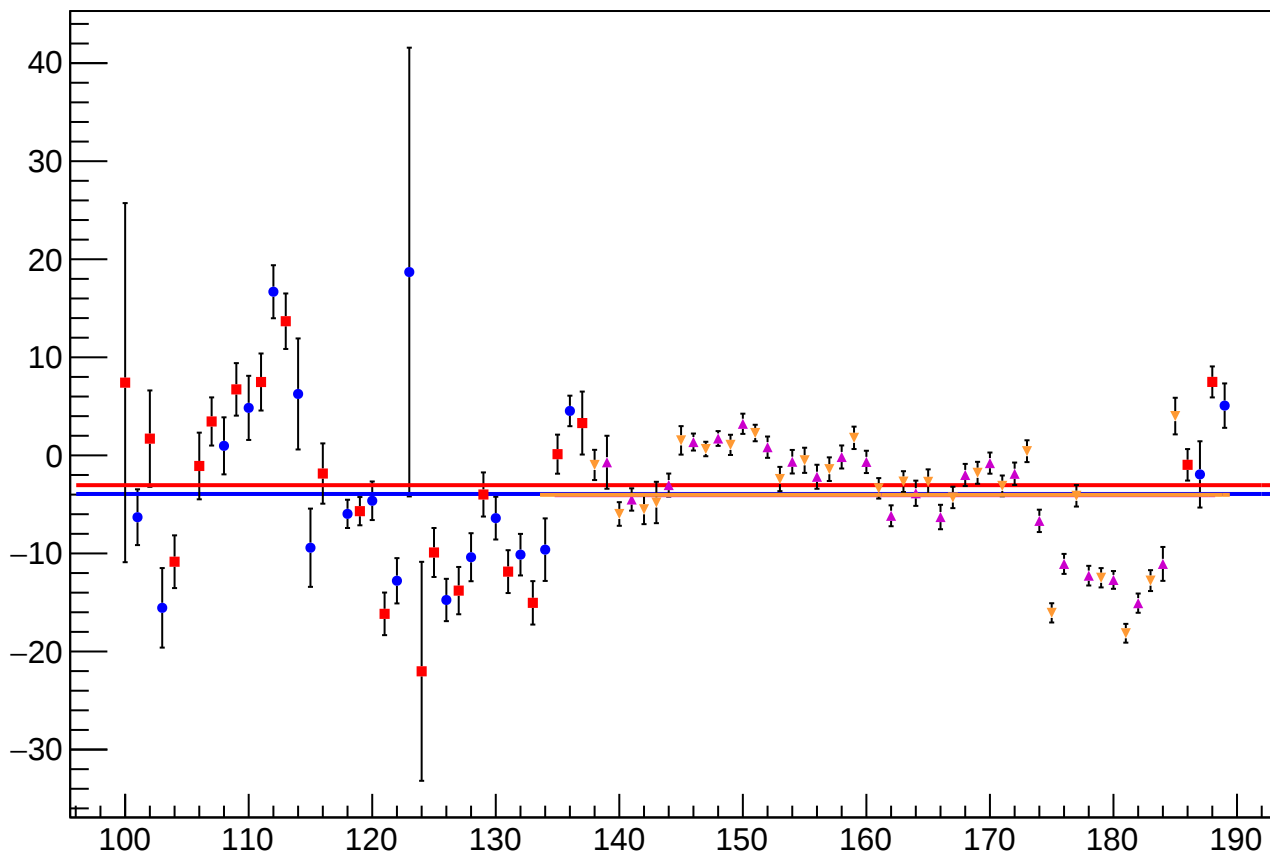
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF:900.2/22

+ sign 20.737 $\pm$ 0.277 χ^2 /NDF: 2704.8/26

All: 20.461 $\pm$ 0.194 χ^2 /NDF: 4052.0/51

- sign 20.199 $\pm$ 0.270 χ^2 /NDF: 1345.3/24

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -3.936 ± 0.562 $\chi^2/\text{NDF}: 190.9/18$

Left Out: -4.022 ± 0.223 $\chi^2/\text{NDF}: 734.1/24$

Right Out: -3.038 ± 0.520 $\chi^2/\text{NDF}: 247.0/20$

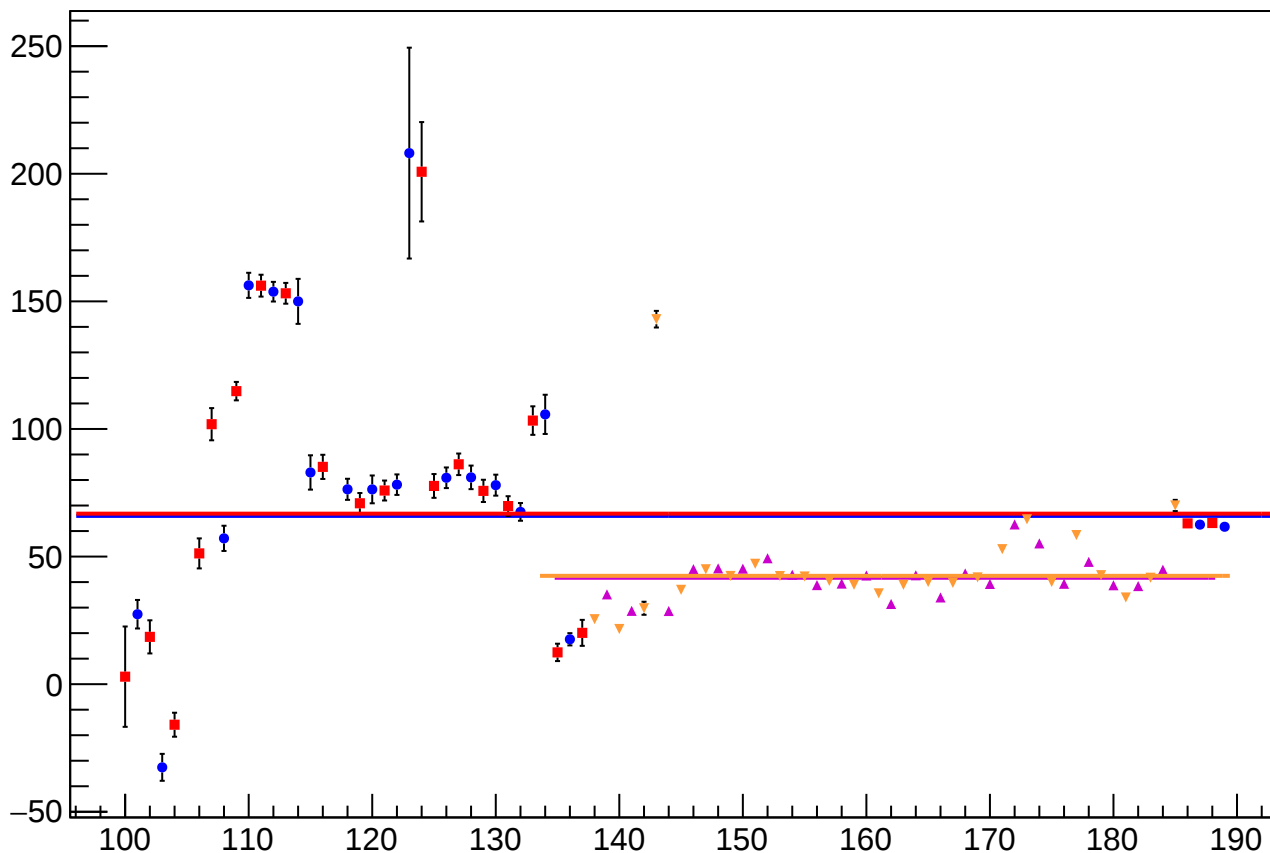
Left In: -4.059 ± 0.228 $\chi^2/\text{NDF}: 577.2/22$

+ sign -4.010 ± 0.207 $\chi^2/\text{NDF}: 925.0/43$

All: -3.952 ± 0.147 $\chi^2/\text{NDF}: 1752.6/87$

- sign -3.894 ± 0.209 $\chi^2/\text{NDF}: 827.4/43$

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 65.942 $\pm$ 0.814 χ^2 /NDF: 1861.3/18

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 66.815 $\pm$ 0.574 χ^2 /NDF: 1986.6/20

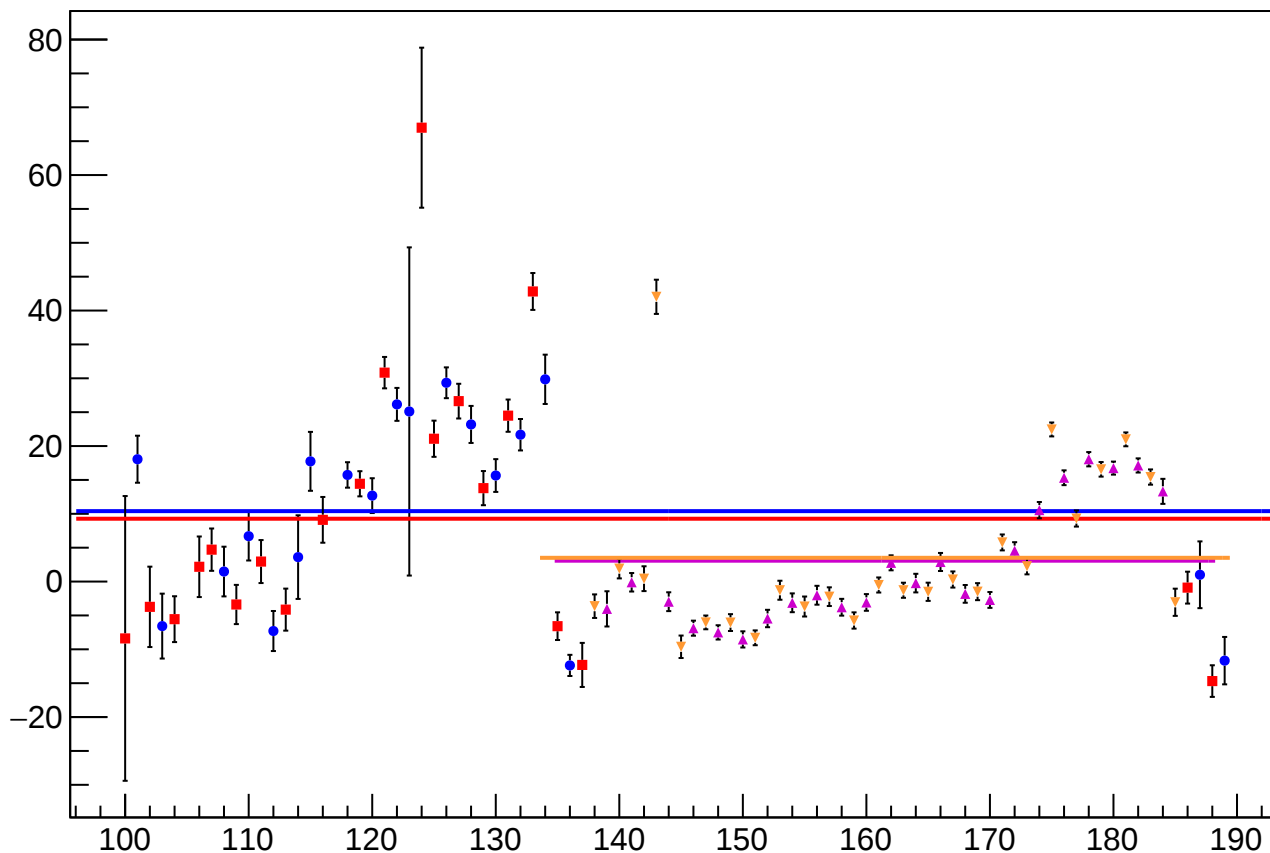
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 44.965 $\pm$ 0.266 χ^2 /NDF: 4620.0/43

All: 45.840 $\pm$ 0.184 χ^2 /NDF: 8795.7/87

- sign 46.638 $\pm$ 0.255 χ^2 /NDF: 4155.0/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.395 $\pm$ 0.649 χ^2 /NDF: 519.9/18

Left Out: 3.505 $\pm$ 0.252 χ^2 /NDF: 1691.3/24

Right Out: 9.275 $\pm$ 0.617 χ^2 /NDF: 679.0/20

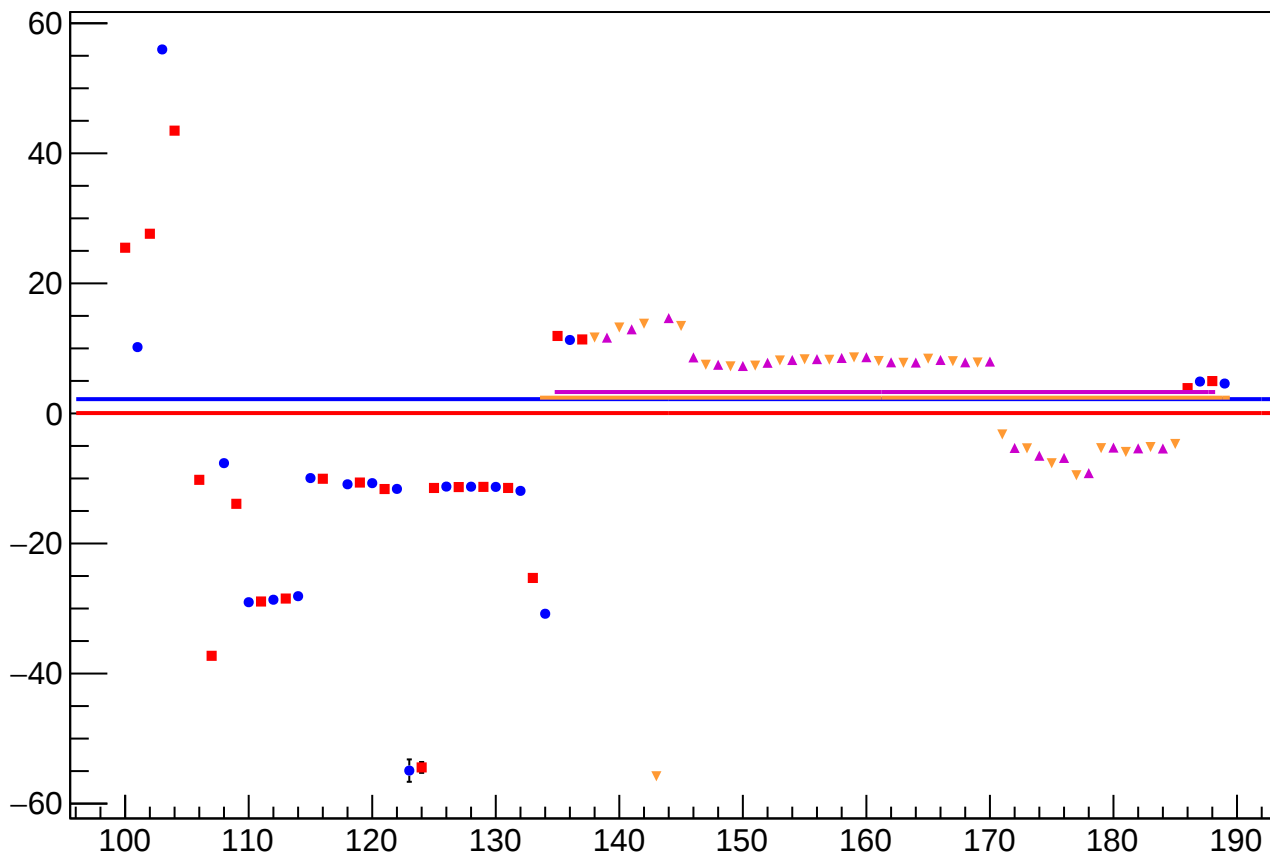
Left In: 3.081 $\pm$ 0.257 χ^2 /NDF: 1265.7/22

+ sign 4.409 $\pm$ 0.235 χ^2 /NDF: 2309.0/43

All: 4.204 $\pm$ 0.167 χ^2 /NDF: 4341.0/87

- sign 3.996 $\pm$ 0.237 χ^2 /NDF: 2030.5/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 2.197 $\pm$ 0.036 χ^2 /NDF: 358248.6/18

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 0.055 $\pm$ 0.035 χ^2 /NDF: 363807.1/20

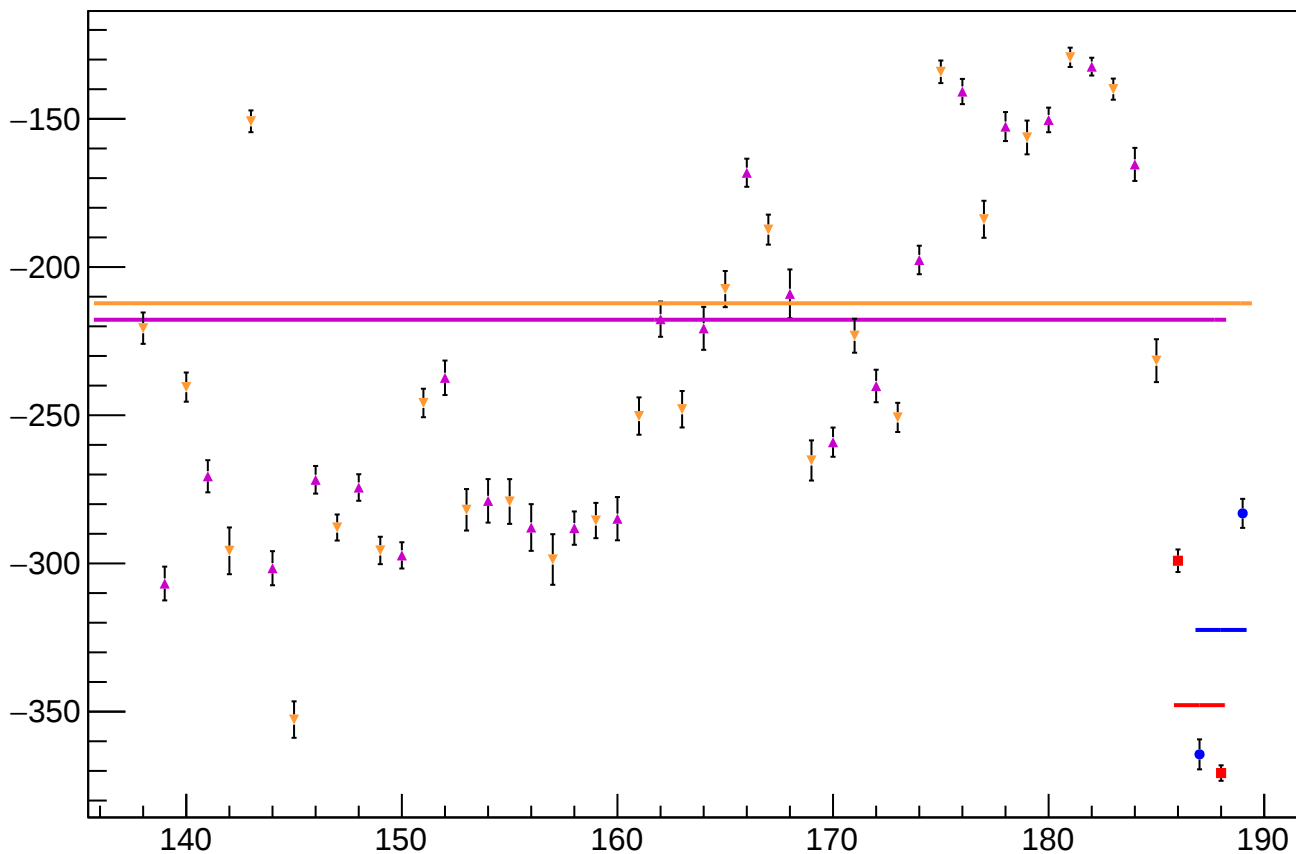
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.404 $\pm$ 0.011 χ^2 /NDF: 974667.8/43

All: 2.681 $\pm$ 0.008 χ^2 /NDF: 1751977.0/87

- sign 2.961 $\pm$ 0.011 χ^2 /NDF: 776031.4/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -322.437+/-3.520 χ^2/NDF : 133.2/1

Left Out: -212.231+/-1.029 χ^2/NDF : 3875.4/24

Right Out: -347.817+/-2.154 χ^2/NDF : 240.5/1

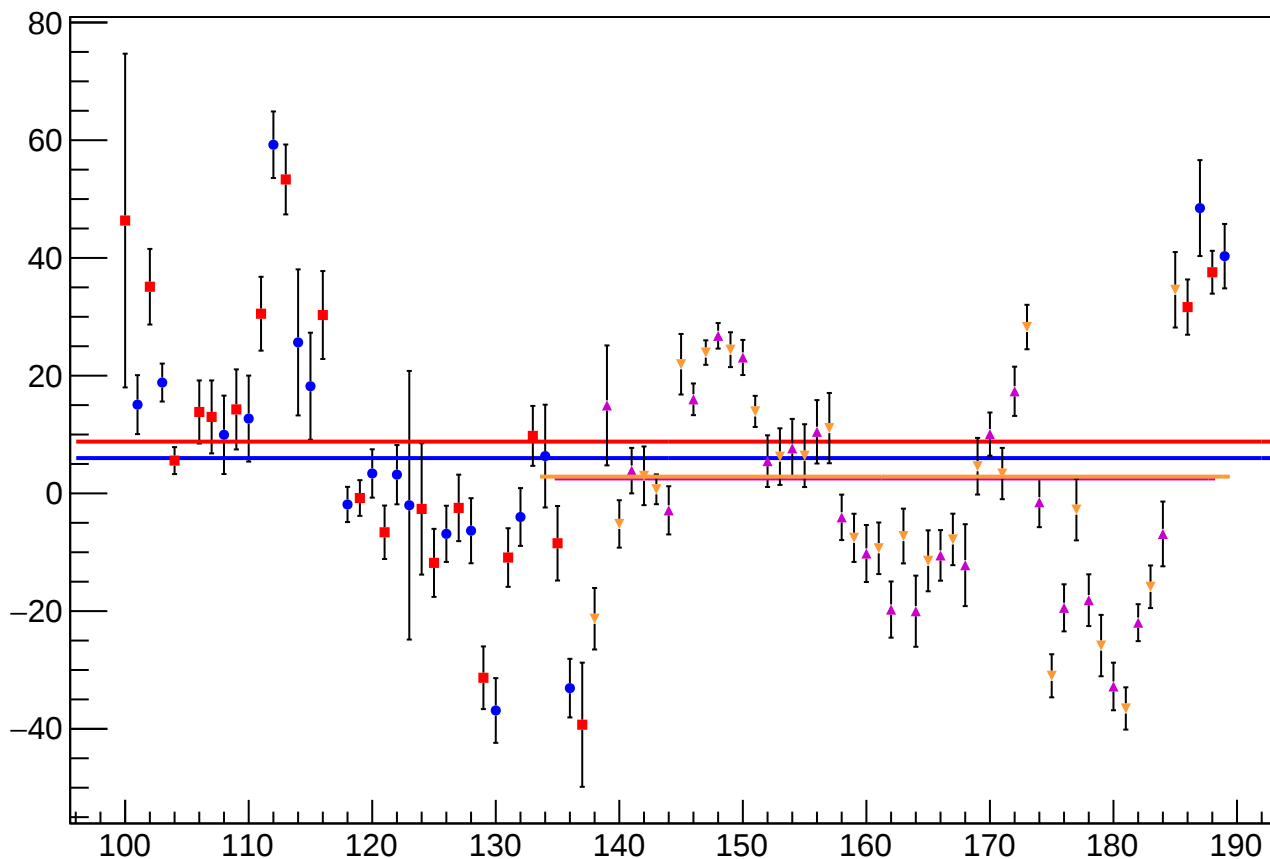
Left In: -217.779+/-1.067 χ^2/NDF : 3448.9/22

+ sign -220.912+/-0.988 χ^2/NDF : 4911.4/26

All: -232.518+/-0.687 χ^2/NDF : 11793.6/51

- sign -243.383+/-0.956 χ^2/NDF : 6615.1/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 5.997 ± 1.201 χ^2/NDF : 326.5/18

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 8.795 ± 1.075 χ^2/NDF : 325.2/20

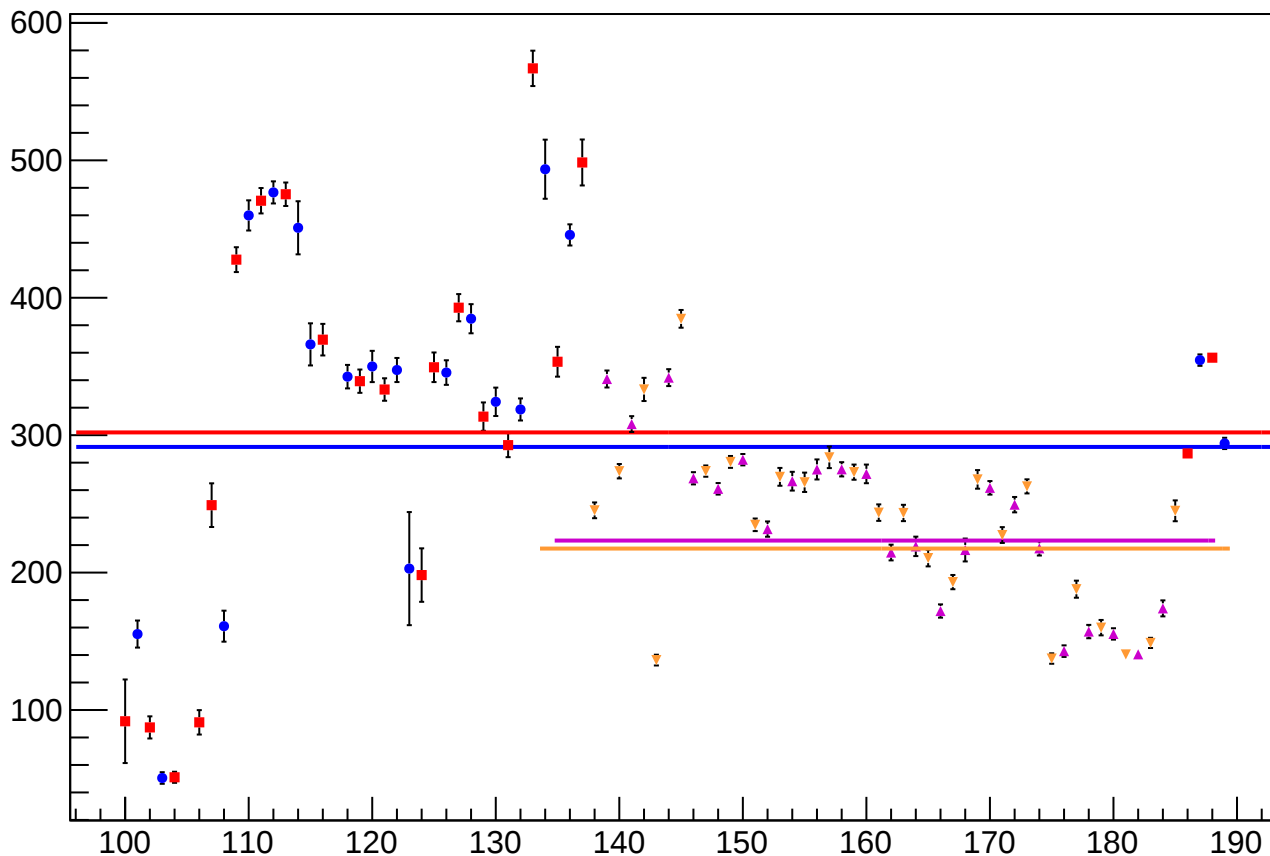
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 3.772 ± 0.651 χ^2/NDF : 913.5/43

All: 4.310 ± 0.461 χ^2/NDF : 1735.1/87

- sign 4.851 ± 0.653 χ^2/NDF : 820.2/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 291.441 $\pm$ 1.762 χ^2 /NDF: 5393.3/18

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 302.004 $\pm$ 1.330 χ^2 /NDF: 7623.0/20

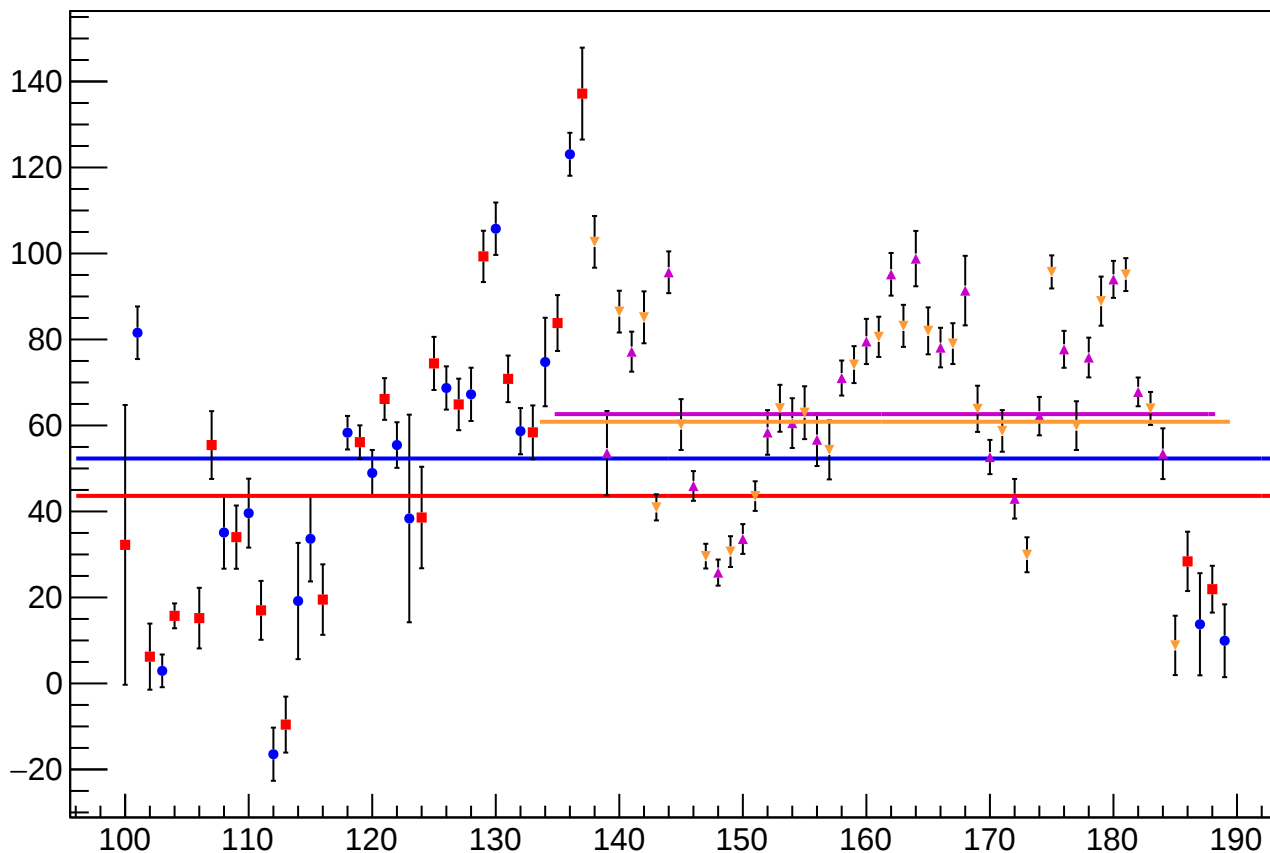
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 236.386 $\pm$ 0.891 χ^2 /NDF: 10474.6/43

All: 245.790 $\pm$ 0.607 χ^2 /NDF: 23822.2/87

- sign 253.951 $\pm$ 0.830 χ^2 /NDF: 13139.5/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 52.316 $\pm$ 1.410 χ^2 /NDF: 670.4/18

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 43.621 $\pm$ 1.295 χ^2 /NDF: 551.0/20

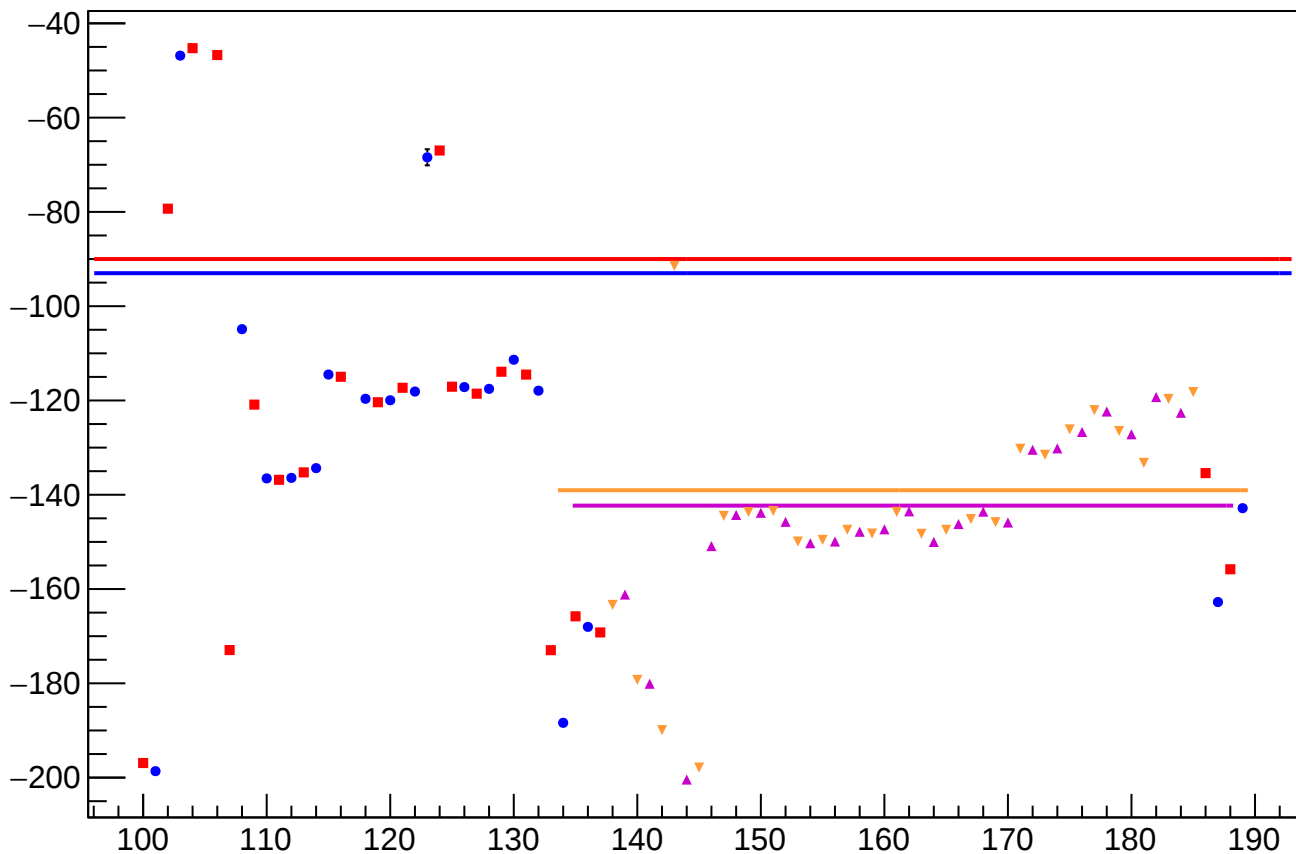
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 58.403 $\pm$ 0.757 χ^2 /NDF: 1428.2/43

All: 57.237 $\pm$ 0.537 χ^2 /NDF: 2640.4/87

- sign 56.053 $\pm$ 0.762 χ^2 /NDF: 1207.4/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -92.998 $\pm$ 0.067 χ^2/NDF : 560653.0/18

Left Out: -139.040 $\pm$ 0.043 χ^2/NDF : 258113.4/24

Right Out: -89.996 $\pm$ 0.063 χ^2/NDF : 561462.8/20

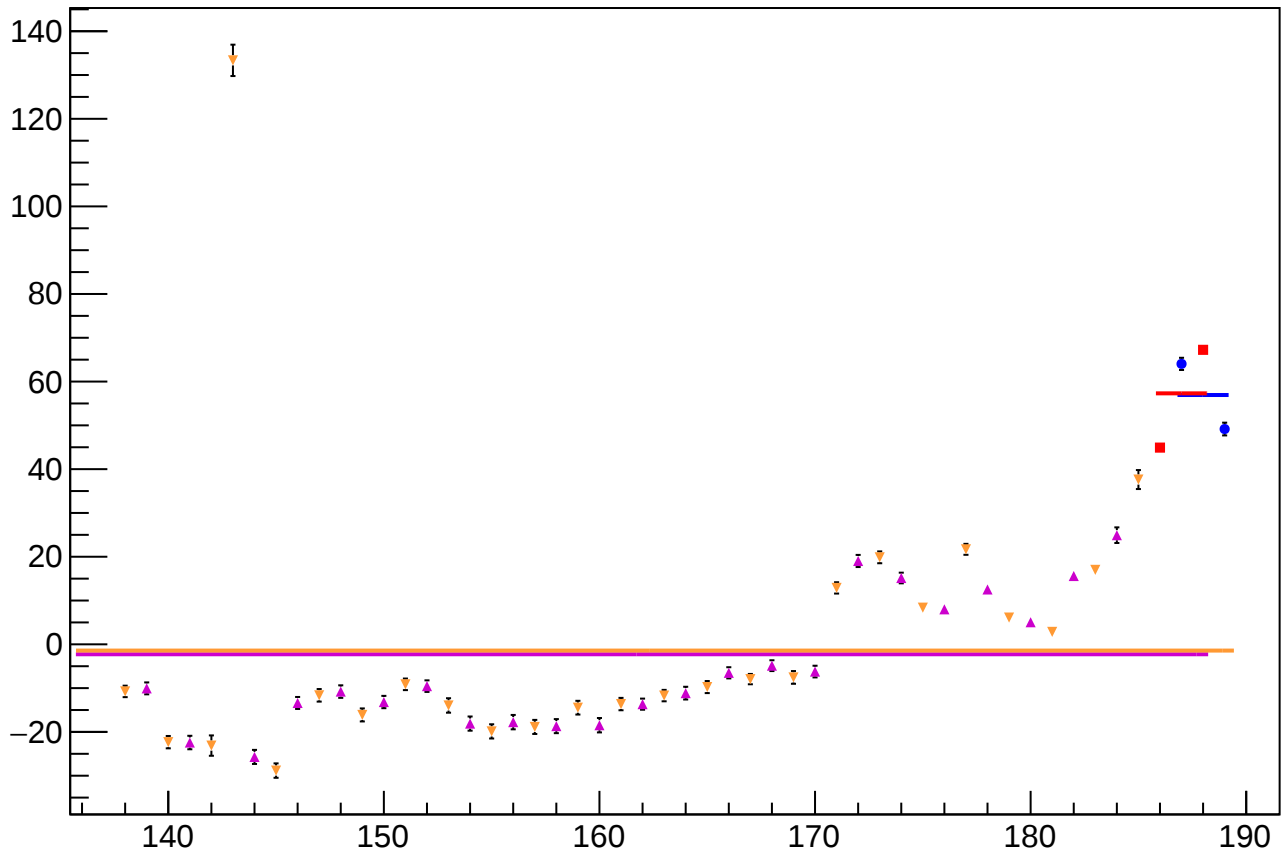
Left In: -142.305 $\pm$ 0.044 χ^2/NDF : 143351.8/22

+ sign -125.526 $\pm$ 0.036 χ^2/NDF : 1157332.7/43

All: -125.304 $\pm$ 0.026 χ^2/NDF : 2325947.5/87

- sign -125.082 $\pm$ 0.036 χ^2/NDF : 1168538.9/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 56.930 $\pm$ 1.007 χ^2 /NDF: 54.5/1

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 57.309 $\pm$ 0.577 χ^2 /NDF: 369.9/1

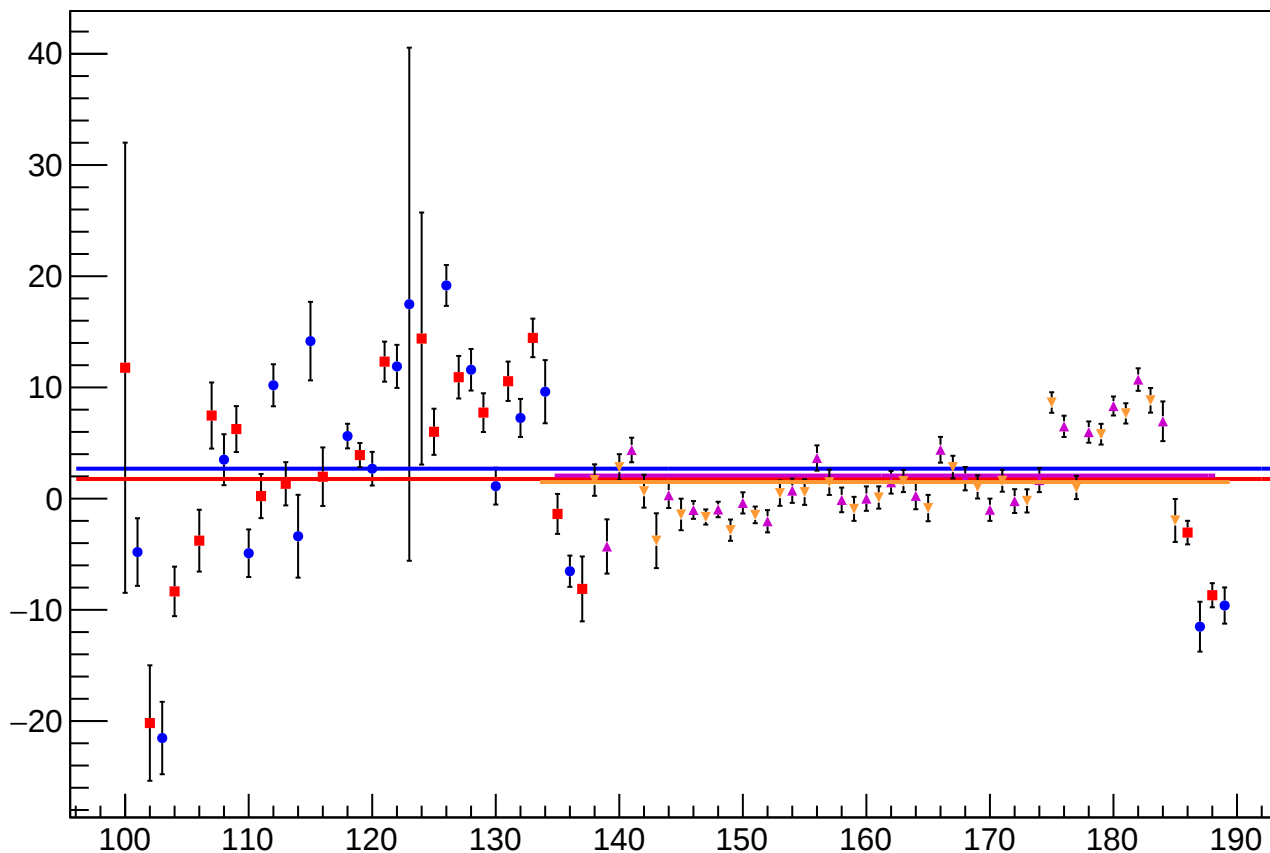
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 2.426 $\pm$ 0.259 χ^2 /NDF: 7533.2/26

All: 5.618 $\pm$ 0.178 χ^2 /NDF: 19453.9/51

- sign 8.483 $\pm$ 0.245 χ^2 /NDF: 11631.8/24

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.694 ± 0.444 χ^2/NDF : 390.4/18

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: 1.767 ± 0.402 χ^2/NDF : 336.6/20

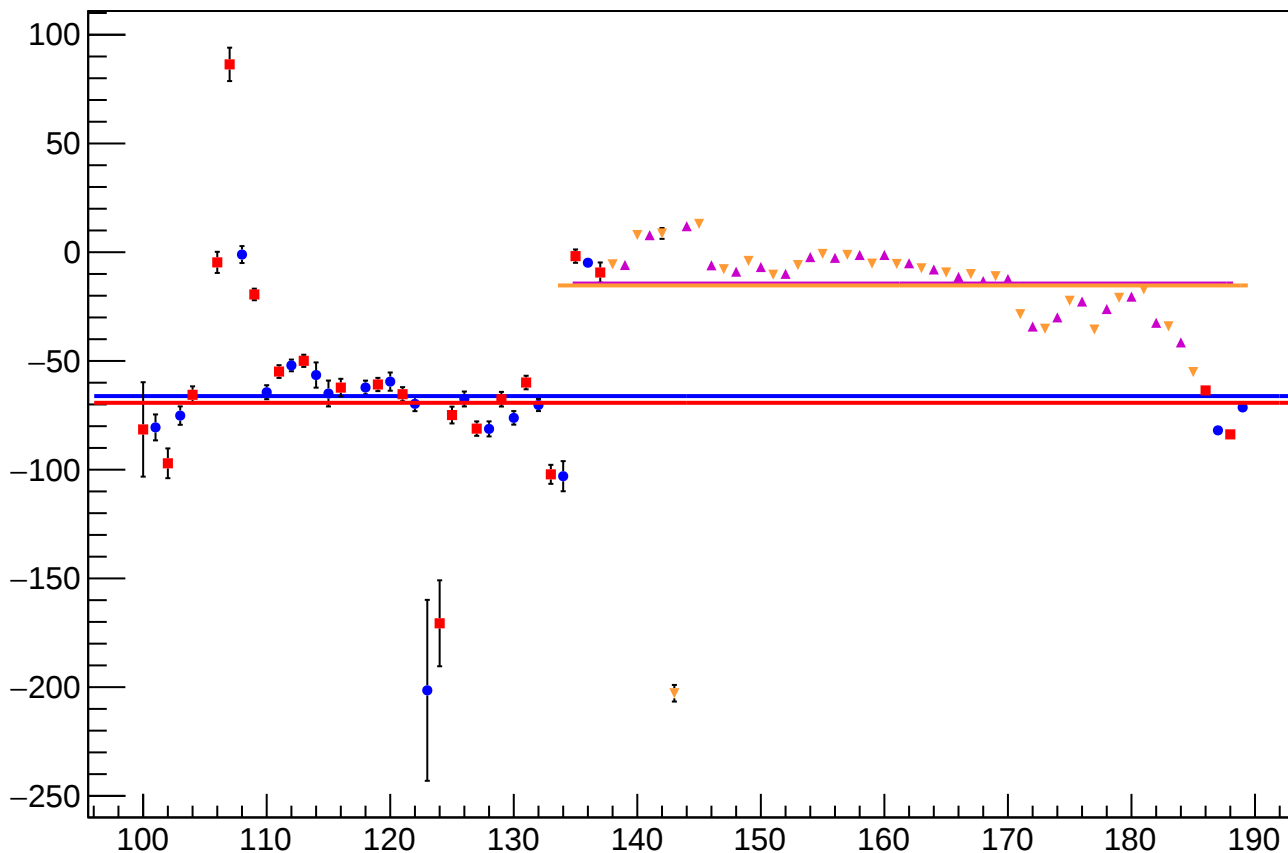
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.711 ± 0.190 χ^2/NDF : 655.5/43

All: 1.859 ± 0.134 χ^2/NDF : 1268.3/87

- sign 2.006 ± 0.190 χ^2/NDF : 611.6/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -66.156 ± 0.602 χ^2/NDF : 1406.5/18

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -69.248 ± 0.407 χ^2/NDF : 2407.8/20

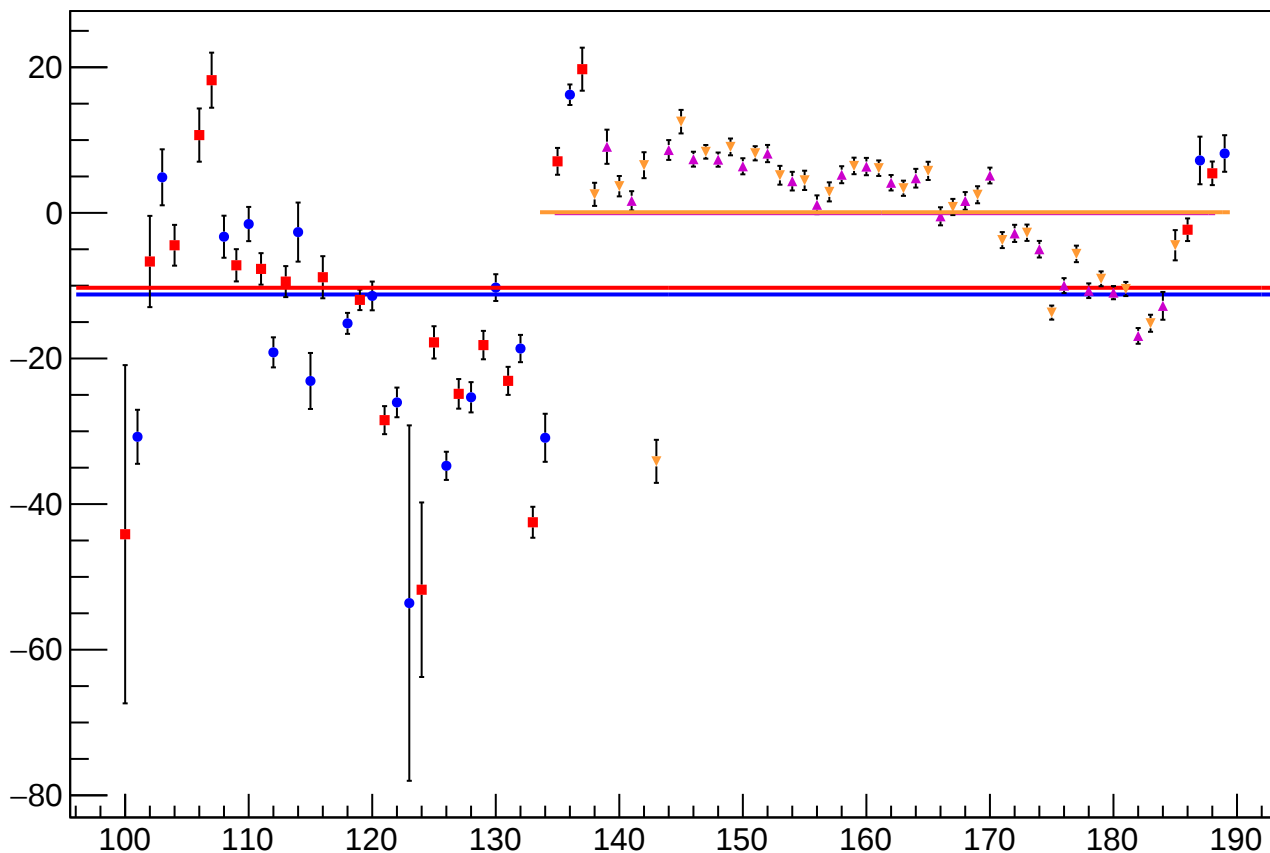
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -23.637 ± 0.244 χ^2/NDF : 12200.8/43

All: -27.656 ± 0.165 χ^2/NDF : 29756.8/87

- sign -31.063 ± 0.225 χ^2/NDF : 17054.3/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -11.208 ± 0.519 χ^2/NDF : 877.5/18

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -10.287 ± 0.485 χ^2/NDF : 867.3/20

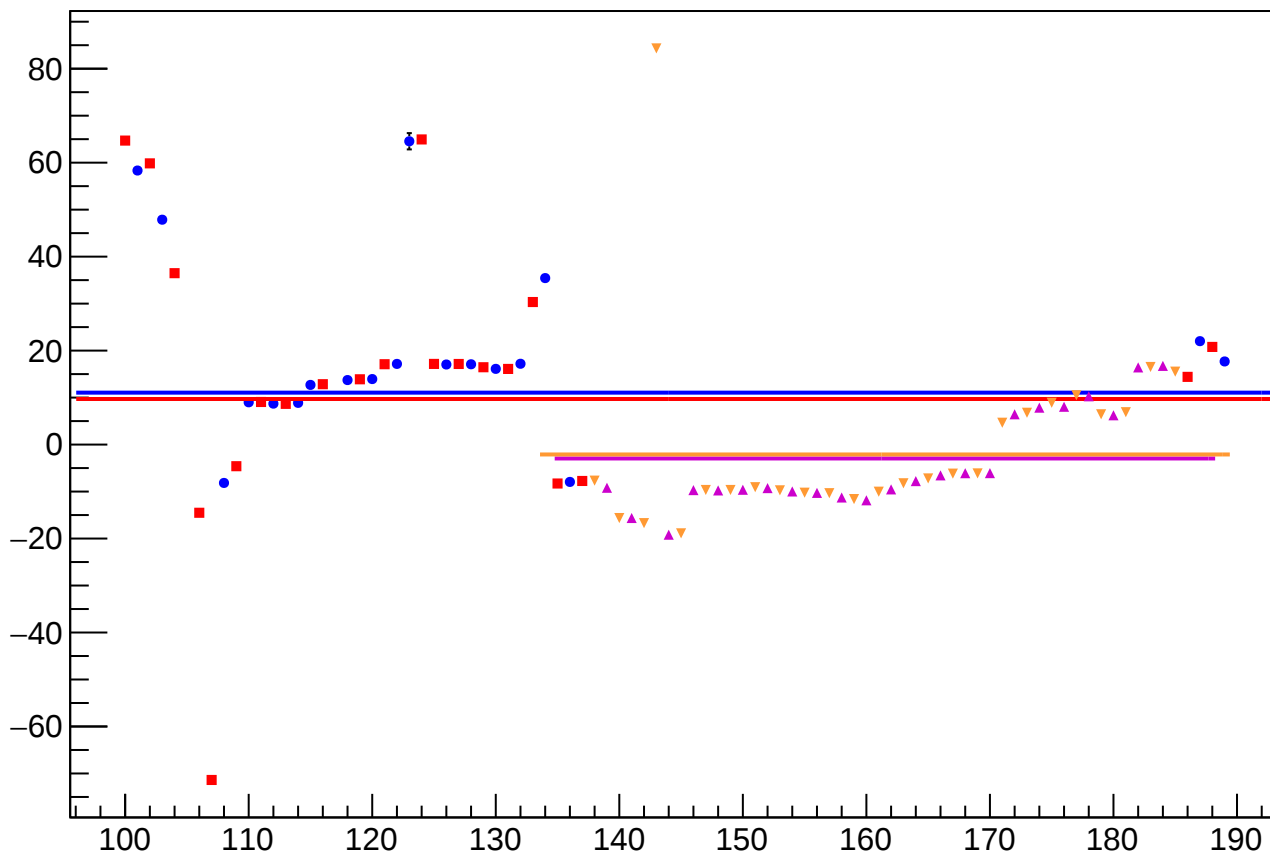
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.879 ± 0.217 χ^2/NDF : 2440.9/43

All: -1.987 ± 0.153 χ^2/NDF : 4692.8/87

- sign -2.097 ± 0.217 χ^2/NDF : 2251.4/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 11.053+/-0.029 χ^2/NDF : 387894.0/18

Left Out: -2.105+/-0.011 χ^2/NDF : 1093120.2/24

Right Out: 9.702+/-0.028 χ^2/NDF : 567195.3/20

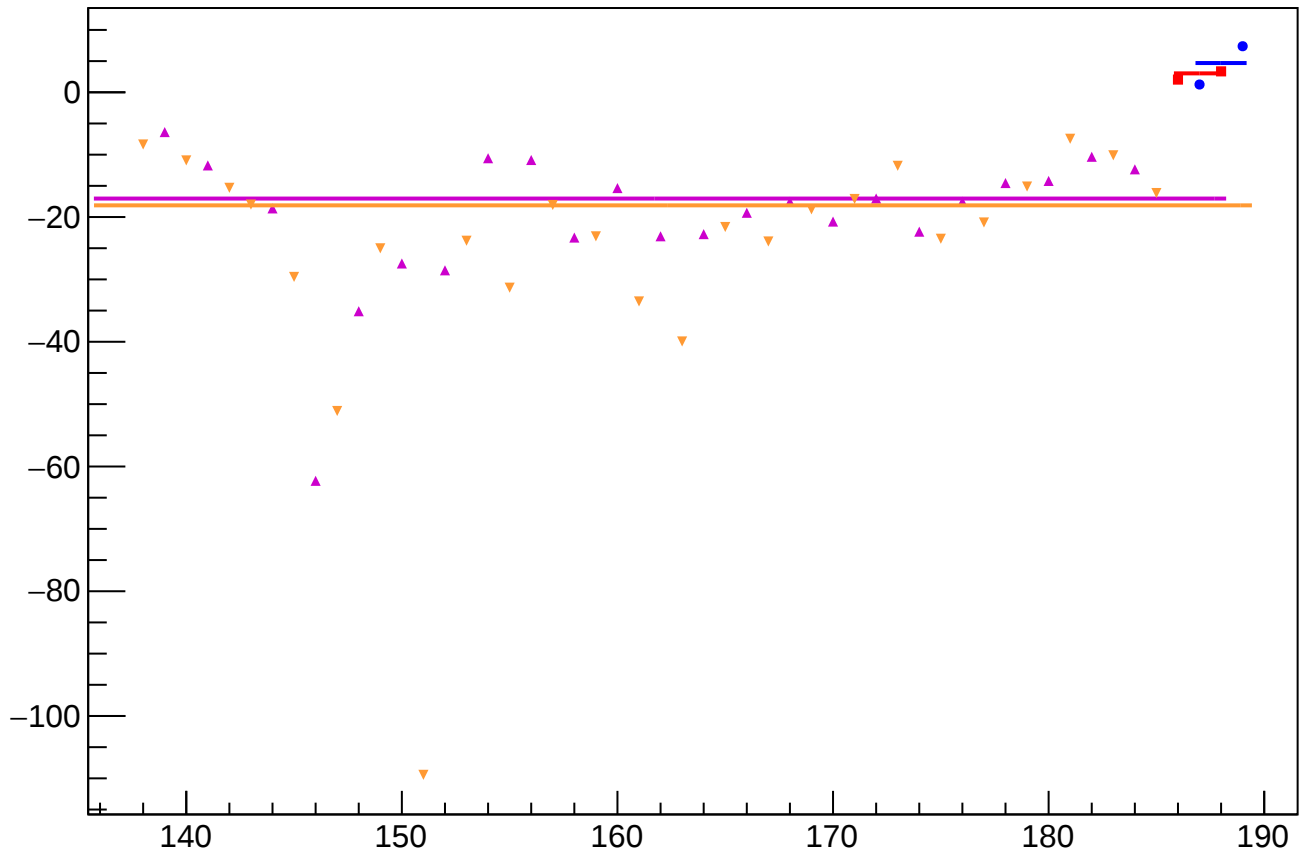
Left In: -2.959+/-0.011 χ^2/NDF : 763000.9/22

+ sign -0.508+/-0.010 χ^2/NDF : 1657208.5/43

All: -0.905+/-0.007 χ^2/NDF : 3163508.9/87

- sign -1.304+/-0.010 χ^2/NDF : 1503277.3/43

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 4.692 ± 0.187 $\chi^2/\text{NDF}: 266.5/1$

Left Out: -18.128 ± 0.039 $\chi^2/\text{NDF}: 88551.6/24$

Right Out: 3.035 ± 0.096 $\chi^2/\text{NDF}: 34.7/1$

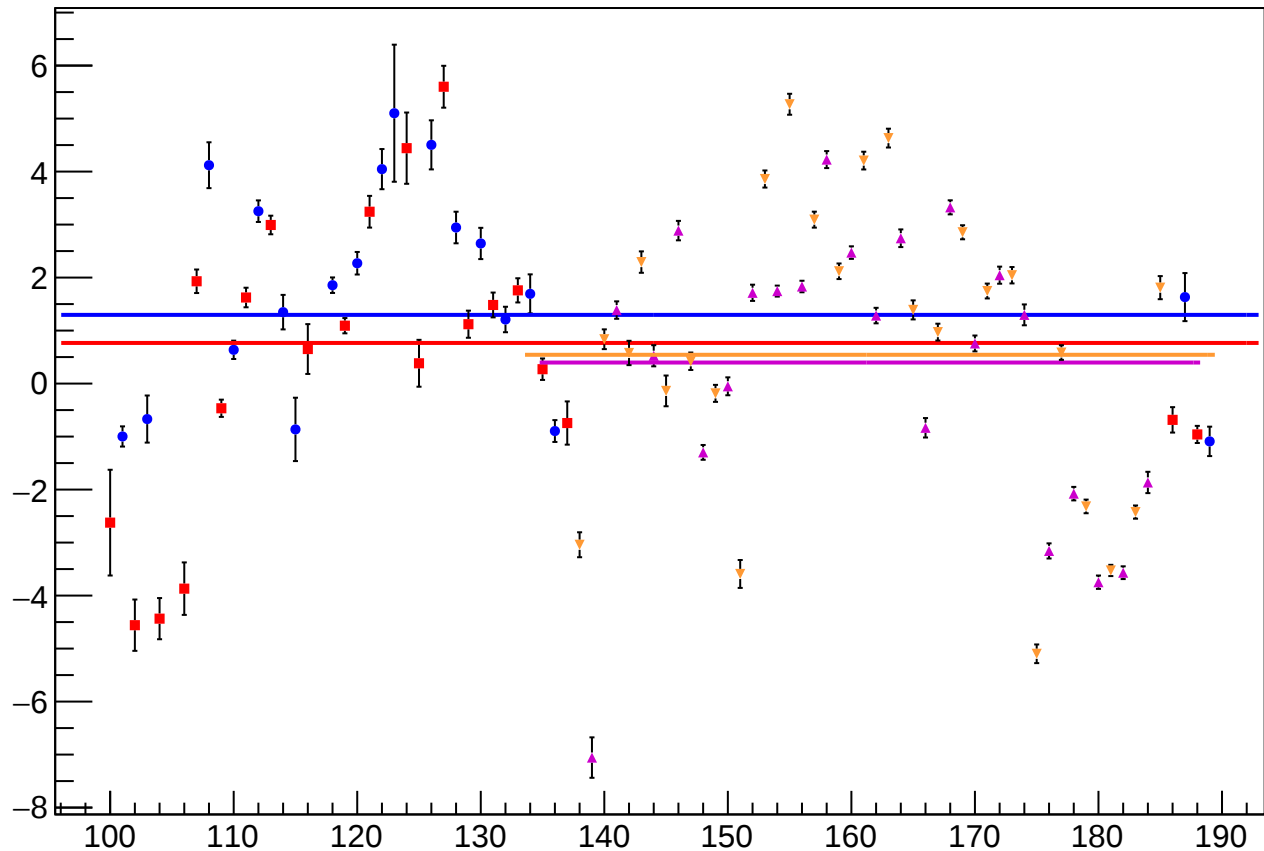
Left In: -17.038 ± 0.038 $\chi^2/\text{NDF}: 44141.1/22$

+ sign -17.177 ± 0.038 $\chi^2/\text{NDF}: 103147.0/26$

All: -15.634 ± 0.026 $\chi^2/\text{NDF}: 188168.6/51$

- sign -14.298 ± 0.035 $\chi^2/\text{NDF}: 81961.3/24$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.296 ± 0.060 $\chi^2/\text{NDF}: 712.4/18$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.767 ± 0.053 $\chi^2/\text{NDF}: 1121.2/20$

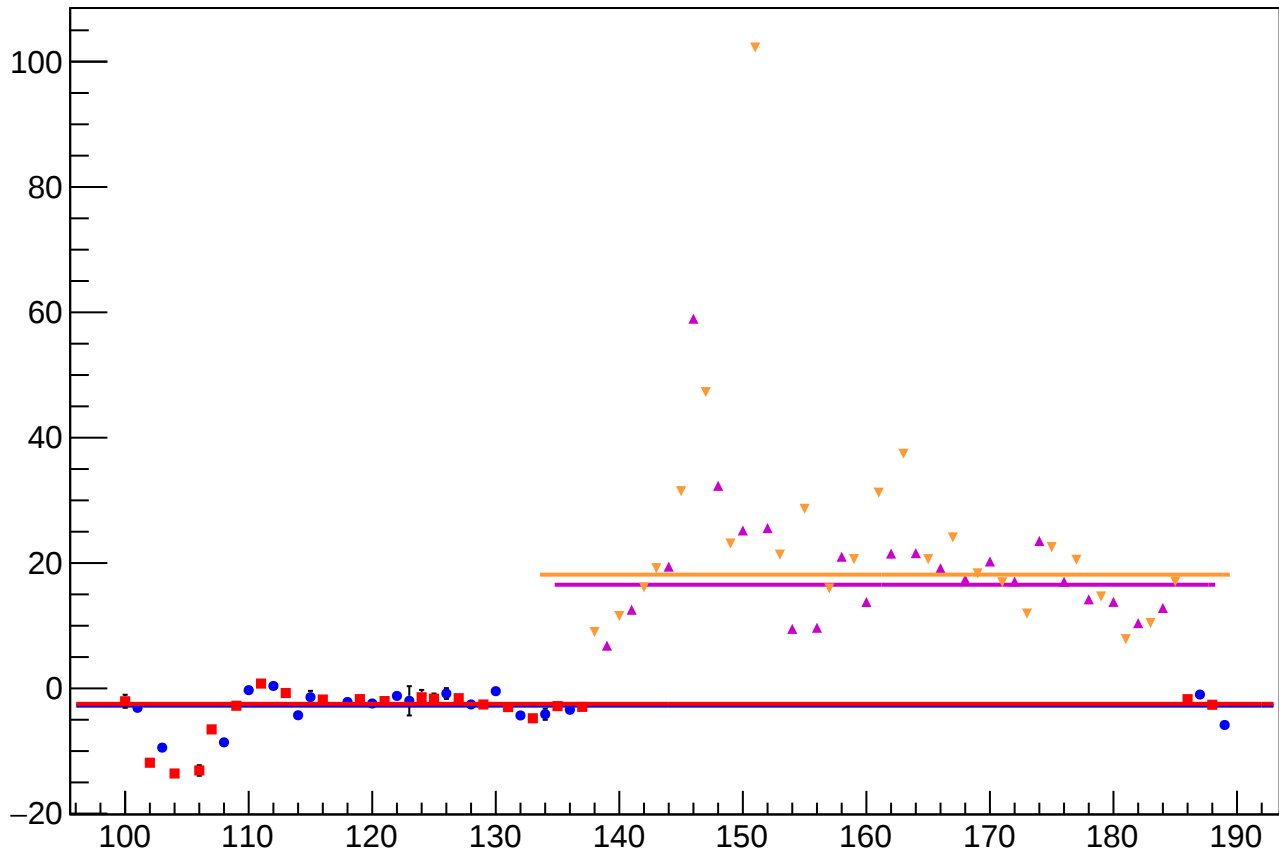
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.713 ± 0.028 $\chi^2/\text{NDF}: 7919.5/43$

All: 0.593 ± 0.019 $\chi^2/\text{NDF}: 15345.4/87$

- sign 0.489 ± 0.027 $\chi^2/\text{NDF}: 7393.0/43$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.750 ± 0.091 $\chi^2/\text{NDF}: 739.5/18$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -2.463 ± 0.061 $\chi^2/\text{NDF}: 918.3/20$

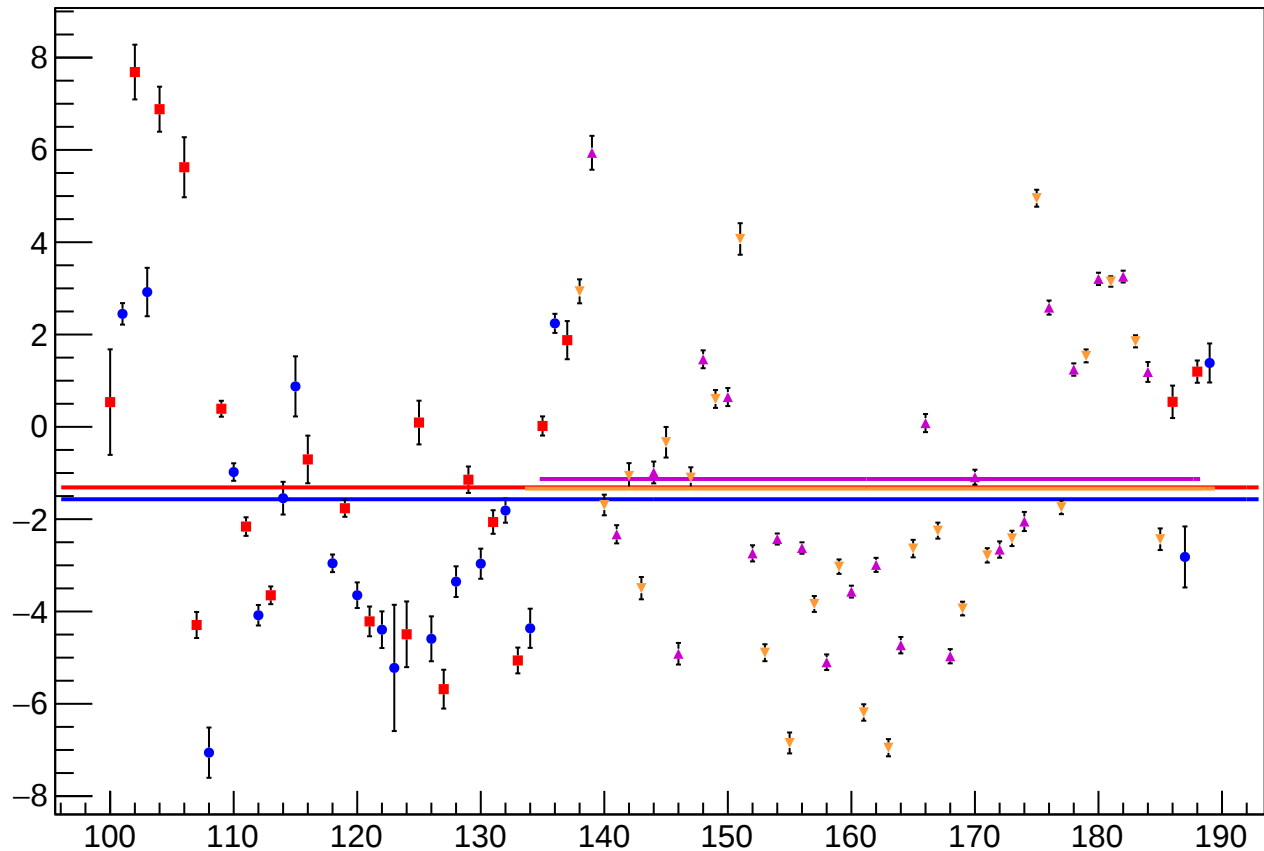
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 14.871 ± 0.036 $\chi^2/\text{NDF}: 123435.0/43$

All: 12.864 ± 0.024 $\chi^2/\text{NDF}: 241244.8/87$

- sign 11.261 ± 0.032 $\chi^2/\text{NDF}: 112188.0/43$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.569 ± 0.070 χ^2/NDF : 1311.8/18

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -1.312 ± 0.062 χ^2/NDF : 1653.9/20

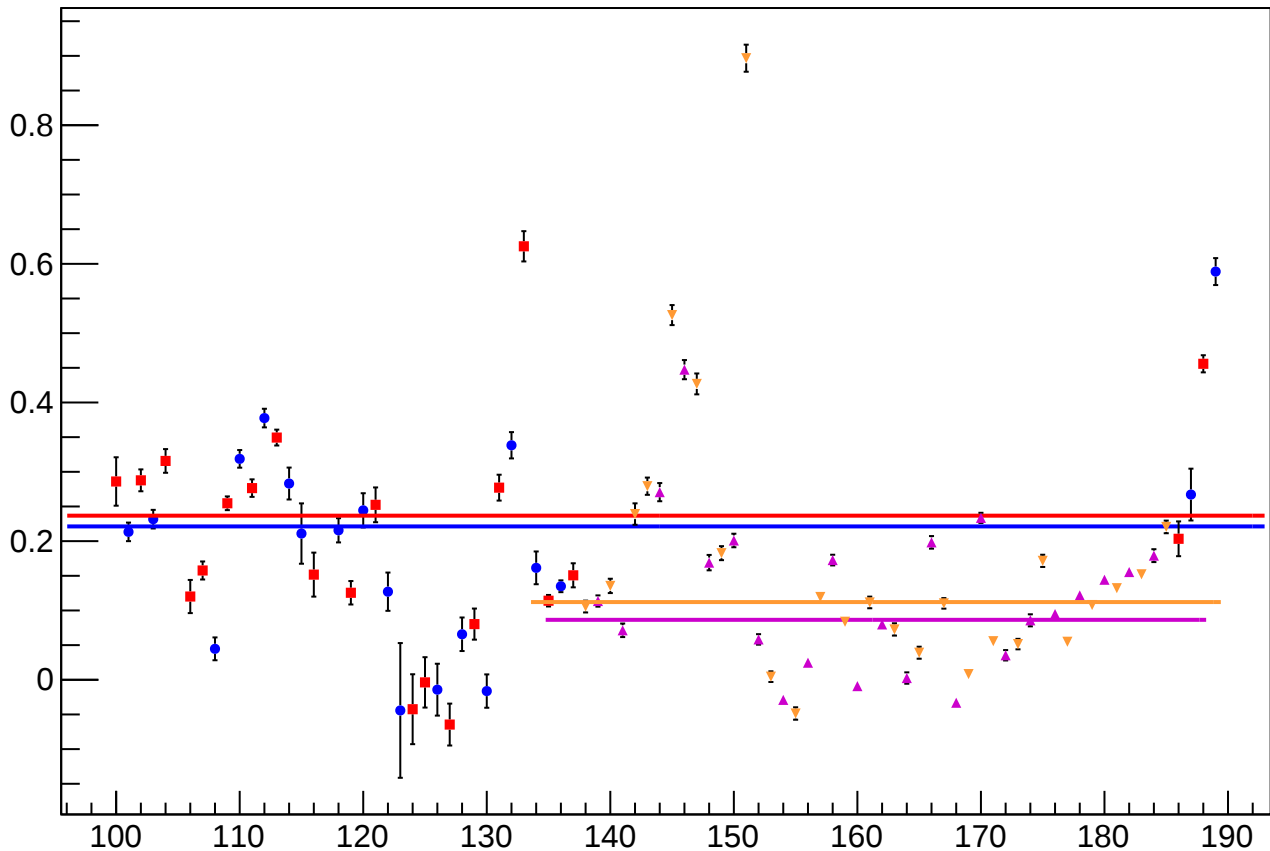
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.386 ± 0.032 χ^2/NDF : 9263.5/43

All: -1.272 ± 0.022 χ^2/NDF : 17688.2/87

- sign -1.171 ± 0.030 χ^2/NDF : 8400.7/43

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.221 $\pm$ 0.004 χ^2 /NDF: 1022.5/18

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF: 4503.9/24

Right Out: 0.237 $\pm$ 0.004 χ^2 /NDF: 1358.0/20

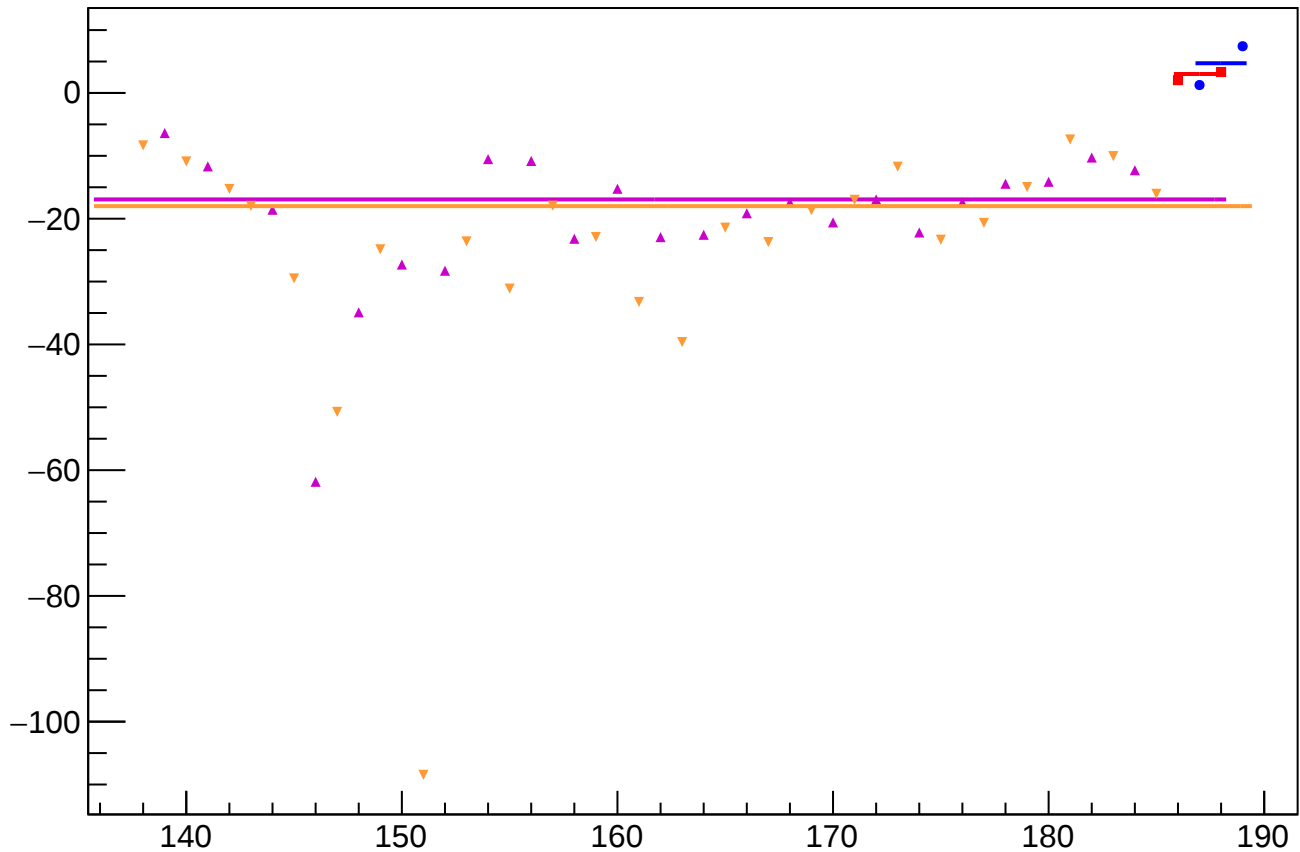
Left In: 0.087 $\pm$ 0.002 χ^2 /NDF: 3655.4/22

+ sign 0.127 $\pm$ 0.001 χ^2 /NDF: 6155.8/43

All: 0.118 $\pm$ 0.001 χ^2 /NDF: 12790.9/87

- sign 0.110 $\pm$ 0.001 χ^2 /NDF: 6563.6/43

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 4.727 ± 0.186 χ^2/NDF : 271.4/1

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 3.015 ± 0.095 χ^2/NDF : 34.1/1

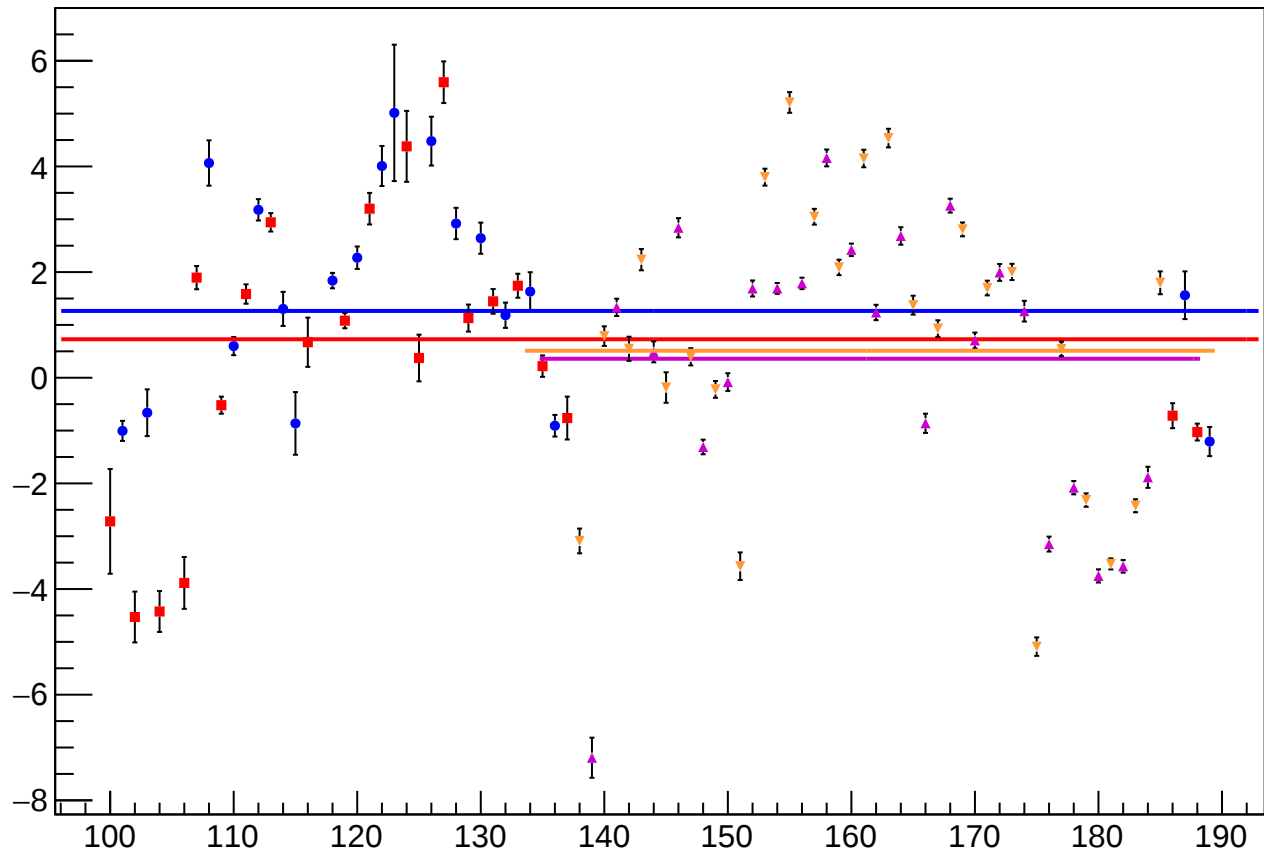
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -17.063 ± 0.038 χ^2/NDF : 103000.2/26

All: -15.520 ± 0.026 χ^2/NDF : 188368.4/51

- sign -14.185 ± 0.035 χ^2/NDF : 82266.0/24

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.265 $\pm$ 0.060 χ^2/NDF : 716.4/18

Left Out: 0.511 $\pm$ 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.729 $\pm$ 0.053 χ^2/NDF : 1134.6/20

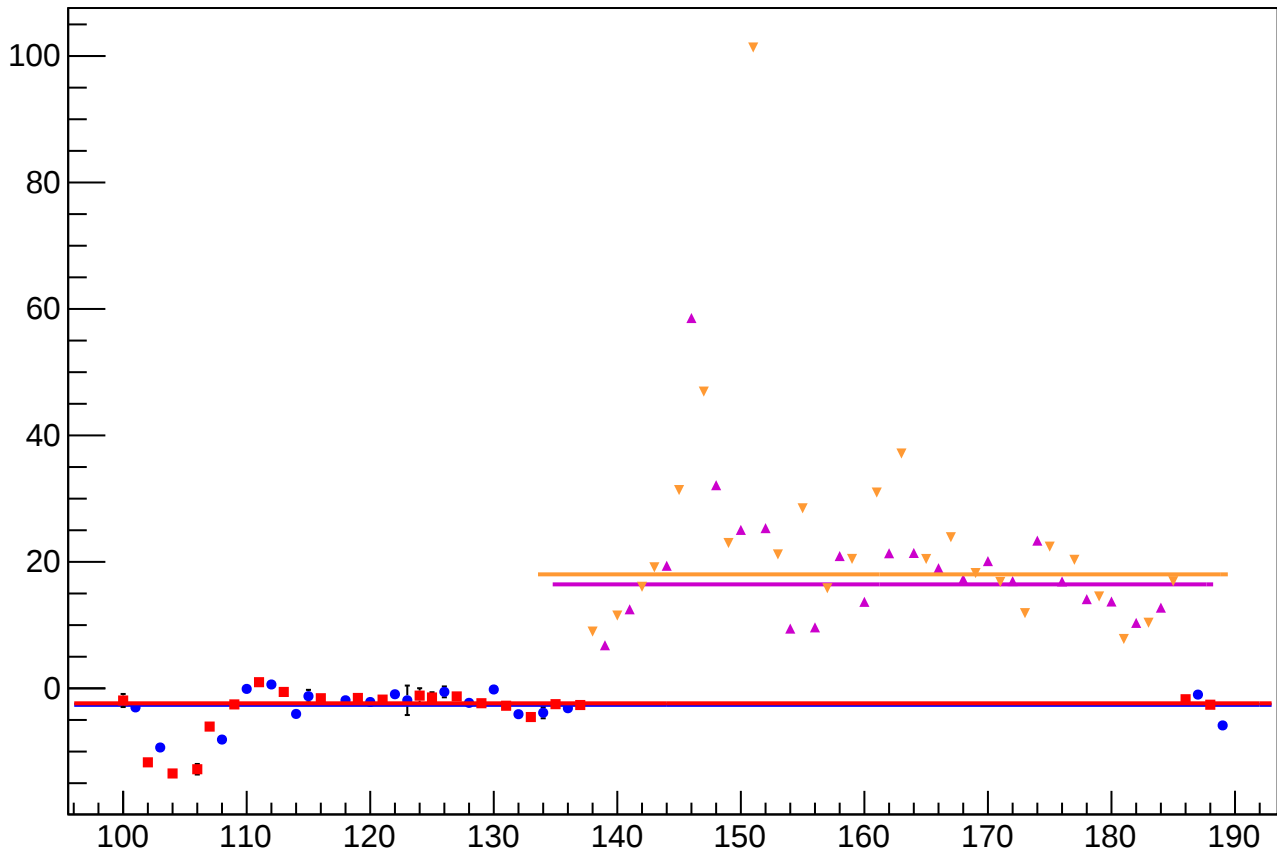
Left In: 0.360 $\pm$ 0.031 χ^2/NDF : 6221.1/22

+ sign 0.681 $\pm$ 0.028 χ^2/NDF : 7910.0/43

All: 0.558 $\pm$ 0.019 χ^2/NDF : 15337.1/87

- sign 0.451 $\pm$ 0.026 χ^2/NDF : 7392.1/43

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.610 ± 0.090 χ^2/NDF : 766.3/18

Left Out: 18.027 ± 0.039 χ^2/NDF : 77718.1/24

Right Out: -2.367 ± 0.060 χ^2/NDF : 918.9/20

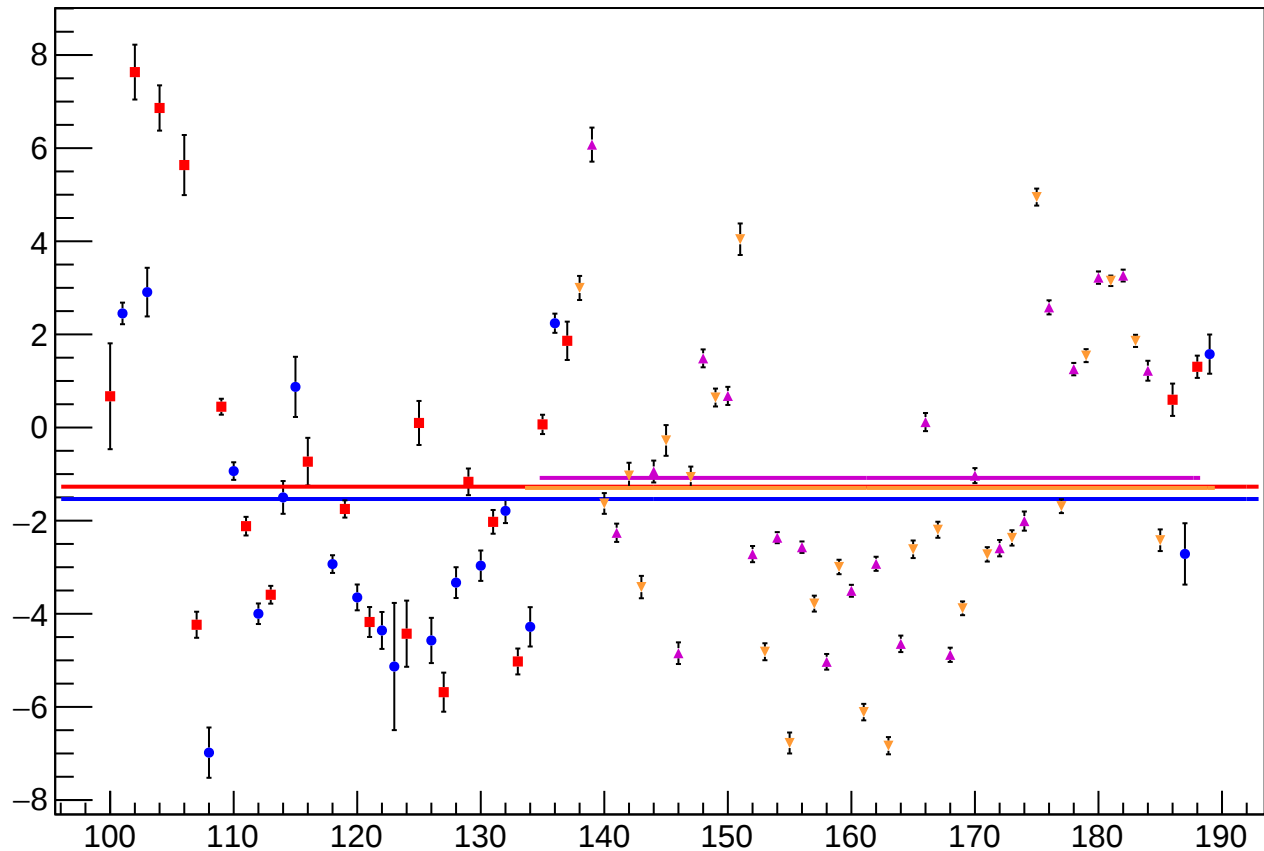
Left In: 16.443 ± 0.038 χ^2/NDF : 40780.6/22

+ sign 14.801 ± 0.036 χ^2/NDF : 122652.3/43

All: 12.794 ± 0.024 χ^2/NDF : 240224.9/87

- sign 11.193 ± 0.032 χ^2/NDF : 111877.9/43

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.535 ± 0.070 χ^2/NDF : 1312.2/18

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -1.270 ± 0.062 χ^2/NDF : 1668.5/20

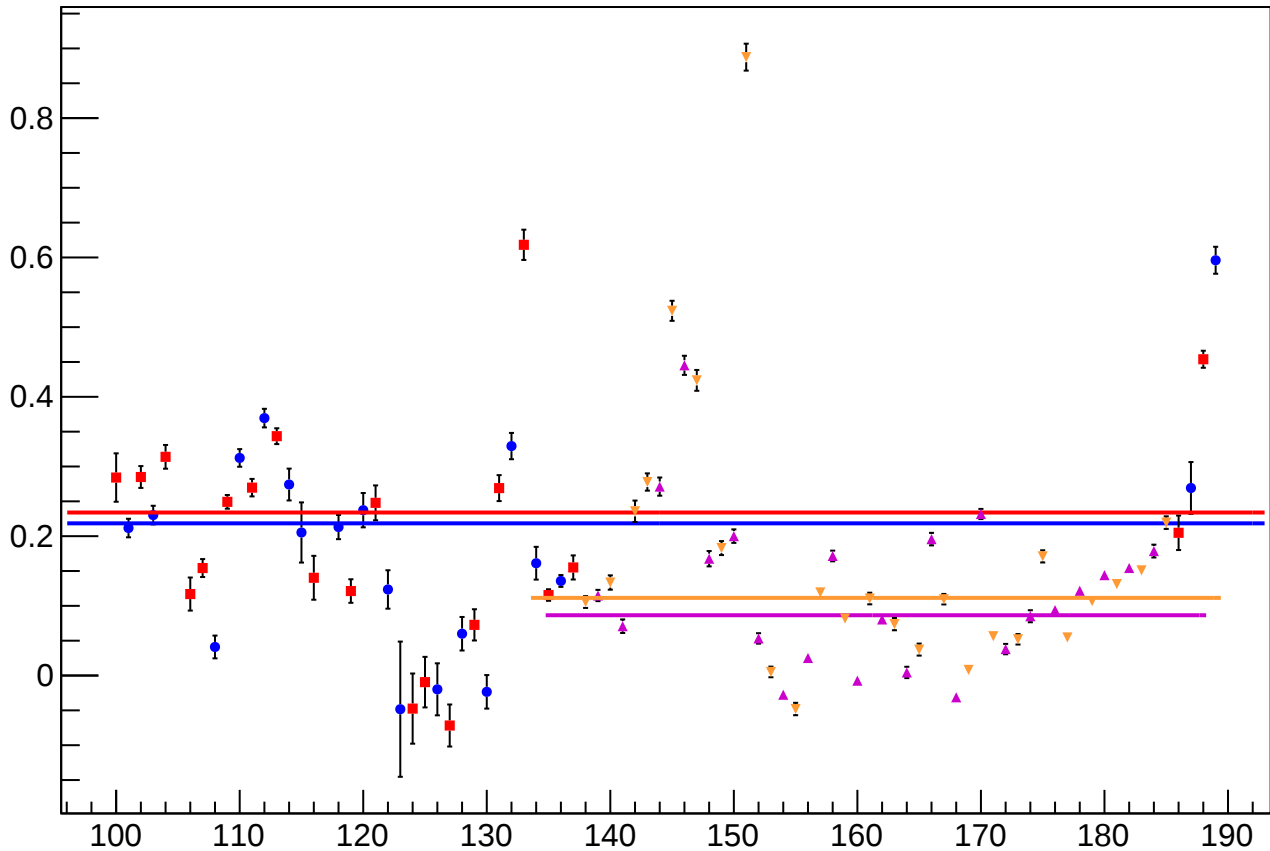
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.347 ± 0.032 χ^2/NDF : 9246.6/43

All: -1.229 ± 0.022 χ^2/NDF : 17672.2/87

- sign -1.125 ± 0.030 χ^2/NDF : 8399.7/43

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.218 ± 0.004 χ^2/NDF : 1031.8/18

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.234 ± 0.003 χ^2/NDF : 1350.8/20

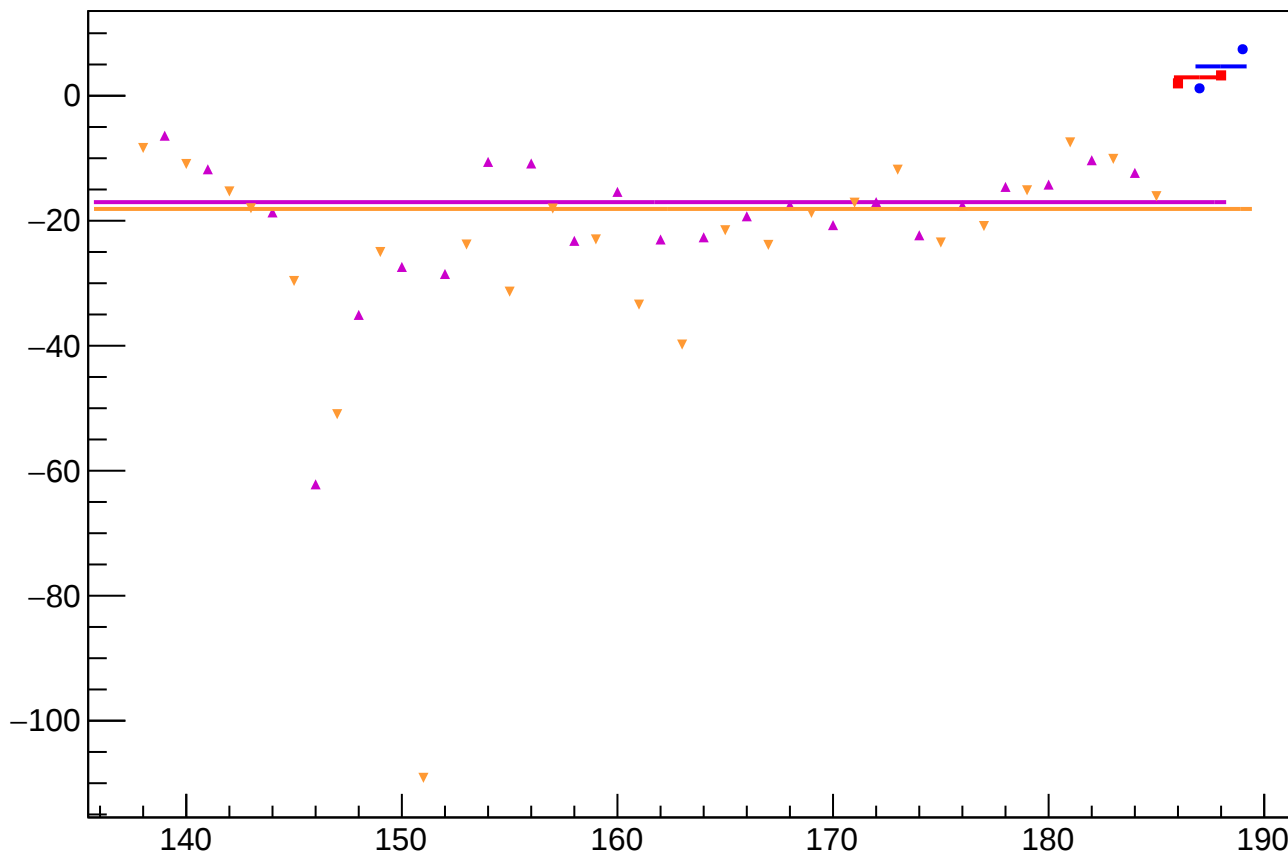
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.126 ± 0.001 χ^2/NDF : 6138.9/43

All: 0.117 ± 0.001 χ^2/NDF : 12692.5/87

- sign 0.109 ± 0.001 χ^2/NDF : 6486.0/43

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 4.695 ± 0.187 χ^2/NDF : 276.9/1

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 2.946 ± 0.095 χ^2/NDF : 33.6/1

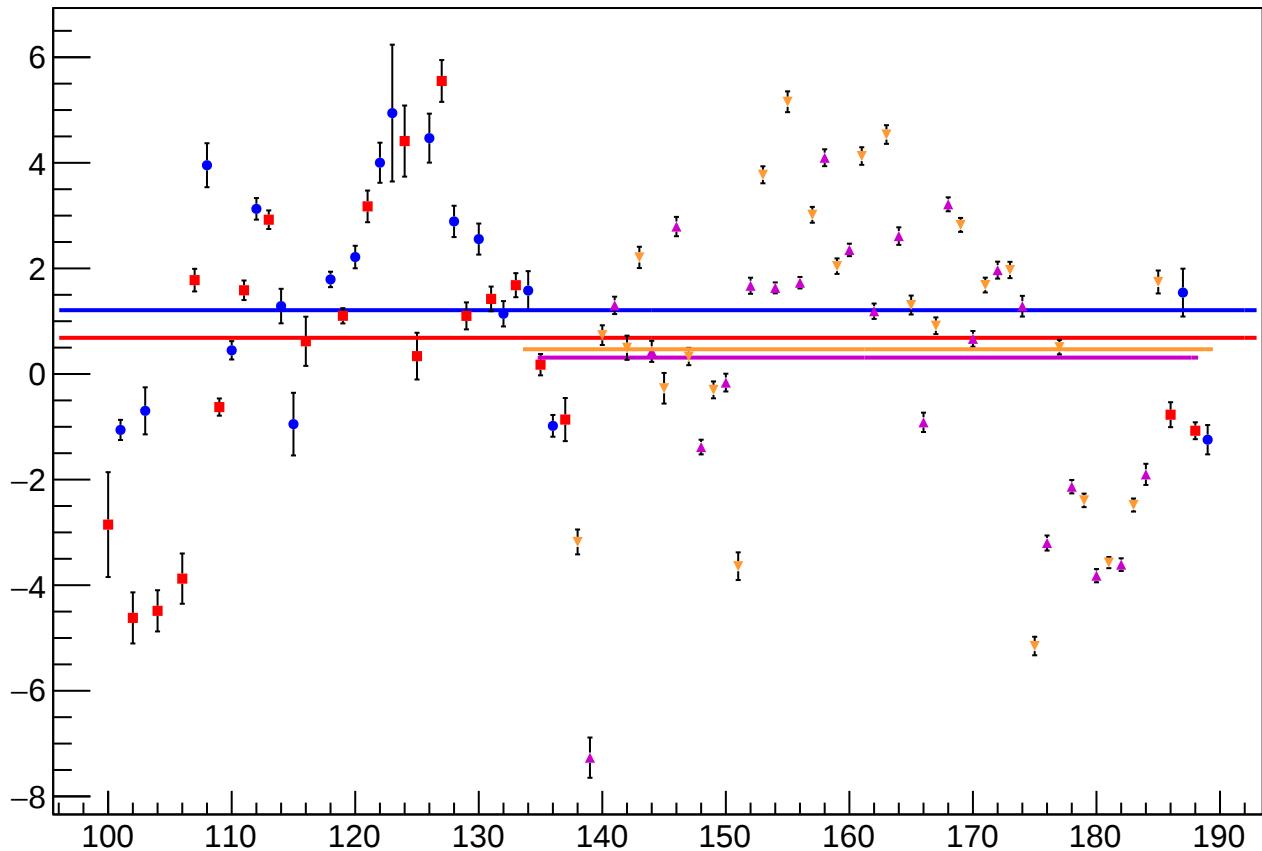
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -17.167 ± 0.038 χ^2/NDF : 103126.1/26

All: -15.599 ± 0.026 χ^2/NDF : 188803.2/51

- sign -14.245 ± 0.035 χ^2/NDF : 82503.0/24

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.209 $\pm$ 0.060 χ^2/NDF : 719.3/18

Left Out: 0.469 $\pm$ 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.685 $\pm$ 0.053 χ^2/NDF : 1147.0/20

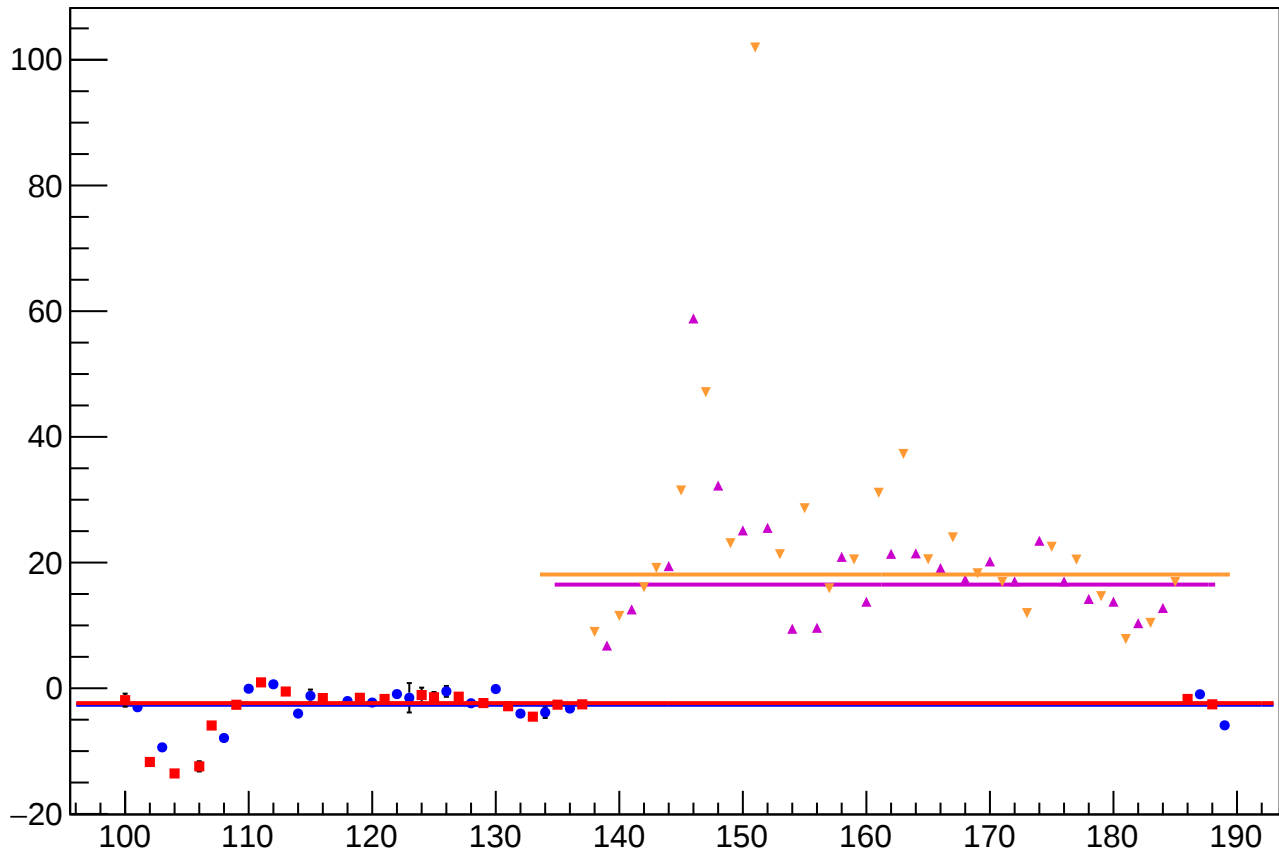
Left In: 0.311 $\pm$ 0.031 χ^2/NDF : 6183.1/22

+ sign 0.635 $\pm$ 0.028 χ^2/NDF : 7930.0/43

All: 0.512 $\pm$ 0.019 χ^2/NDF : 15332.8/87

- sign 0.404 $\pm$ 0.027 χ^2/NDF : 7367.5/43

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.626 ± 0.091 χ^2/NDF : 767.6/18

Left Out: 18.101 ± 0.039 χ^2/NDF : 77839.7/24

Right Out: -2.362 ± 0.060 χ^2/NDF : 912.7/20

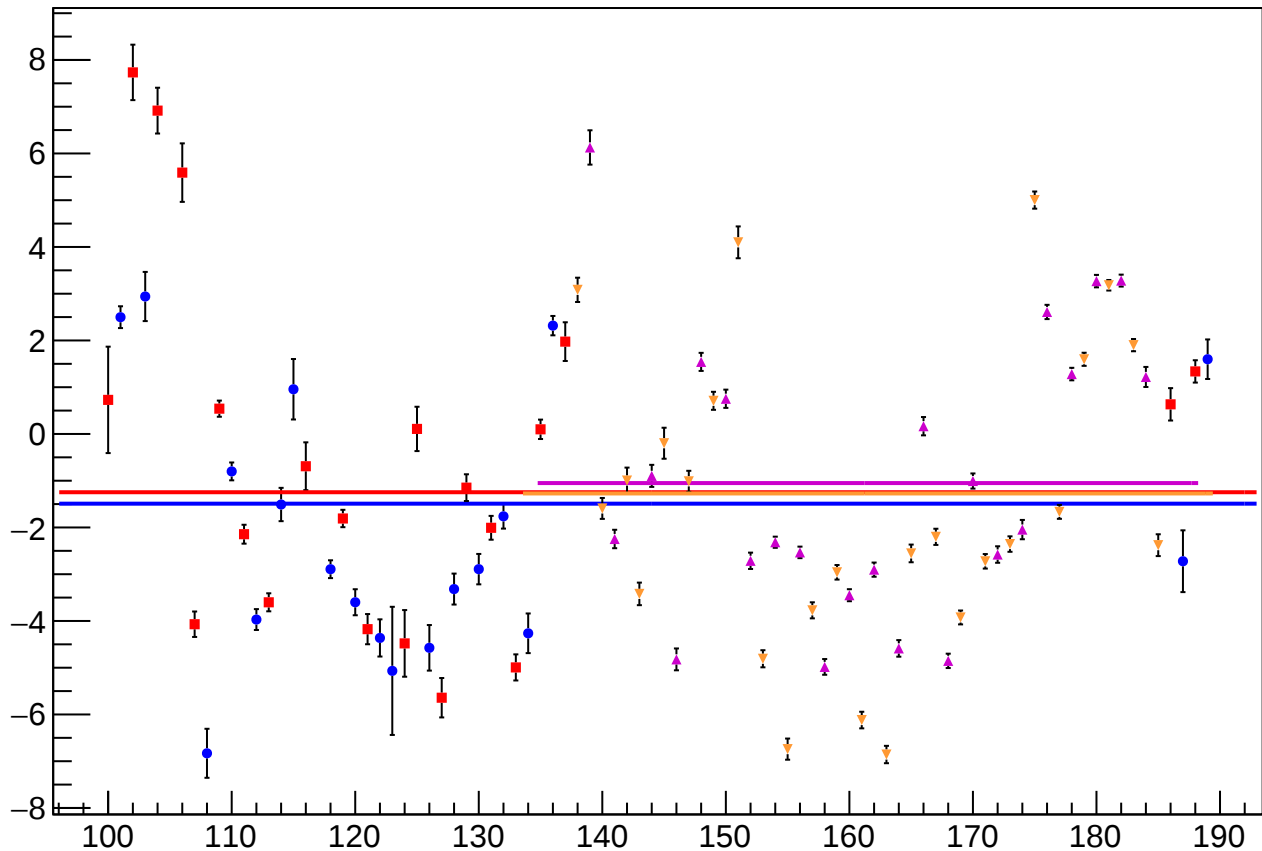
Left In: 16.496 ± 0.038 χ^2/NDF : 40867.3/22

+ sign 14.864 ± 0.036 χ^2/NDF : 122736.8/43

All: 12.829 ± 0.024 χ^2/NDF : 240631.3/87

- sign 11.209 ± 0.032 χ^2/NDF : 112093.5/43

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.491 ± 0.070 $\chi^2/\text{NDF}: 1316.0/18$

Left Out: -1.273 ± 0.036 $\chi^2/\text{NDF}: 7951.6/24$

Right Out: -1.247 ± 0.062 $\chi^2/\text{NDF}: 1681.2/20$

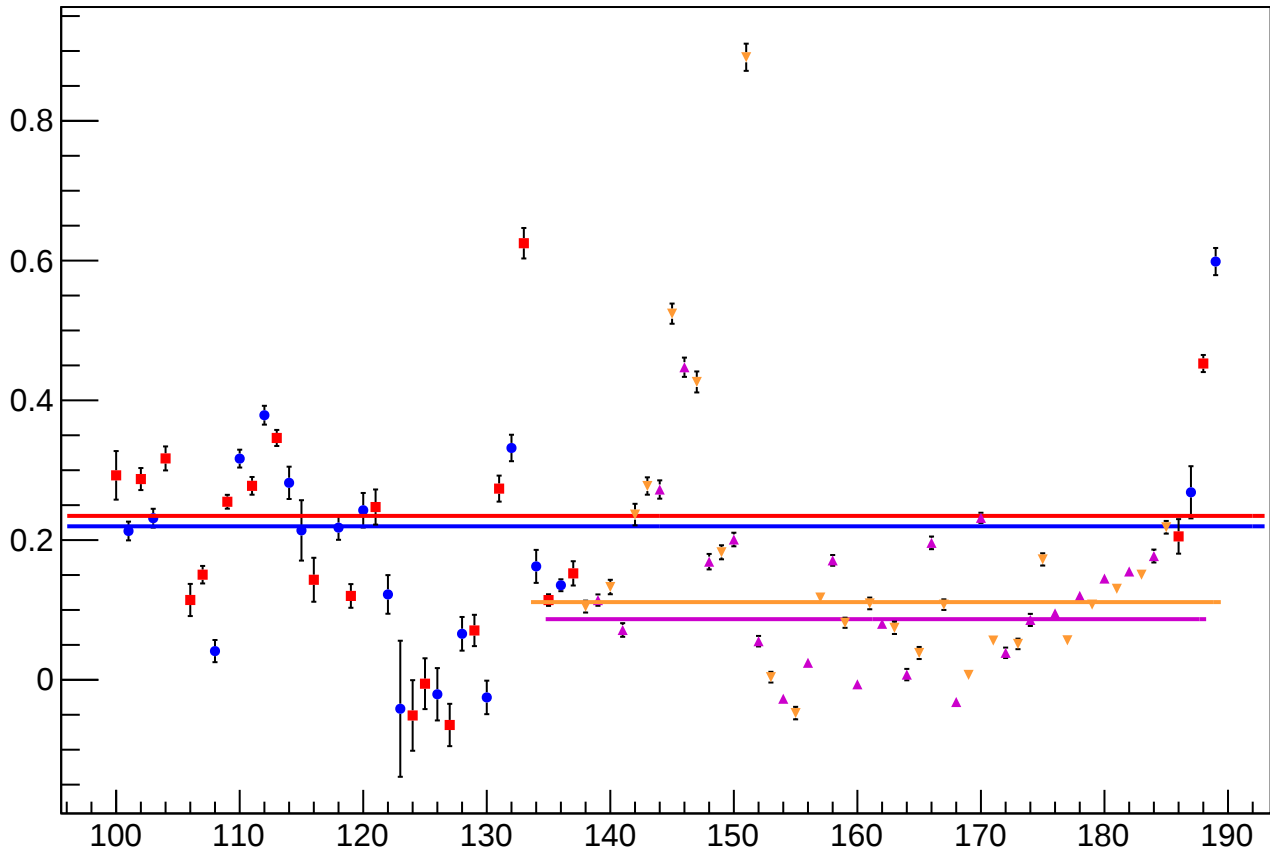
Left In: -1.050 ± 0.034 $\chi^2/\text{NDF}: 6673.4/22$

+ sign -1.318 ± 0.032 $\chi^2/\text{NDF}: 9275.4/43$

All: -1.200 ± 0.022 $\chi^2/\text{NDF}: 17663.6/87$

- sign -1.096 ± 0.030 $\chi^2/\text{NDF}: 8362.3/43$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.220 $\pm$ 0.004 χ^2/NDF : 1059.0/18

Left Out: 0.111 $\pm$ 0.002 χ^2/NDF : 4474.5/24

Right Out: 0.235 $\pm$ 0.003 χ^2/NDF : 1377.9/20

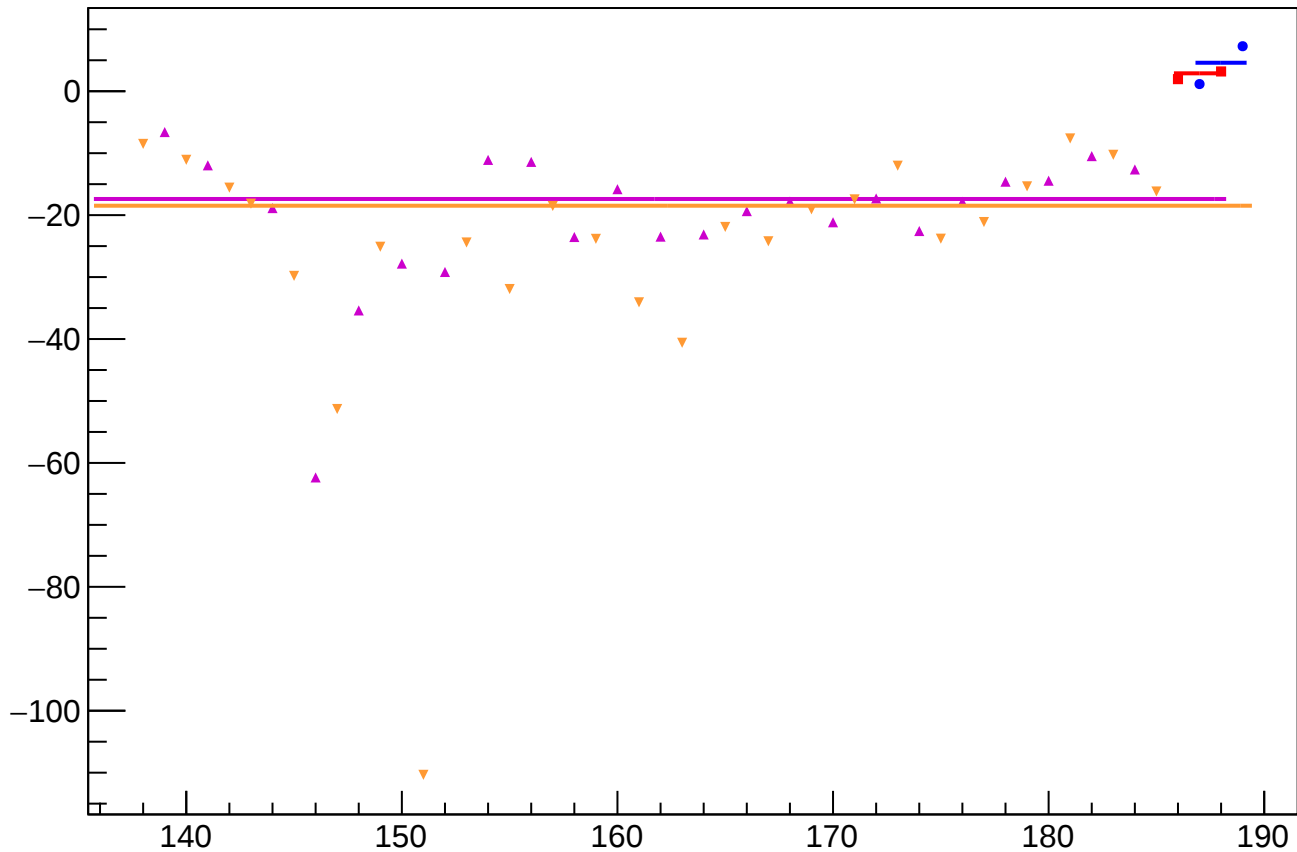
Left In: 0.087 $\pm$ 0.001 χ^2/NDF : 3598.5/22

+ sign 0.126 $\pm$ 0.001 χ^2/NDF : 6157.3/43

All: 0.117 $\pm$ 0.001 χ^2/NDF : 12708.7/87

- sign 0.110 $\pm$ 0.001 χ^2/NDF : 6487.8/43

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 4.598 ± 0.187 χ^2/NDF : 261.9/1

Left Out: -18.479 ± 0.040 χ^2/NDF : 87883.4/24

Right Out: 2.891 ± 0.095 χ^2/NDF : 31.4/1

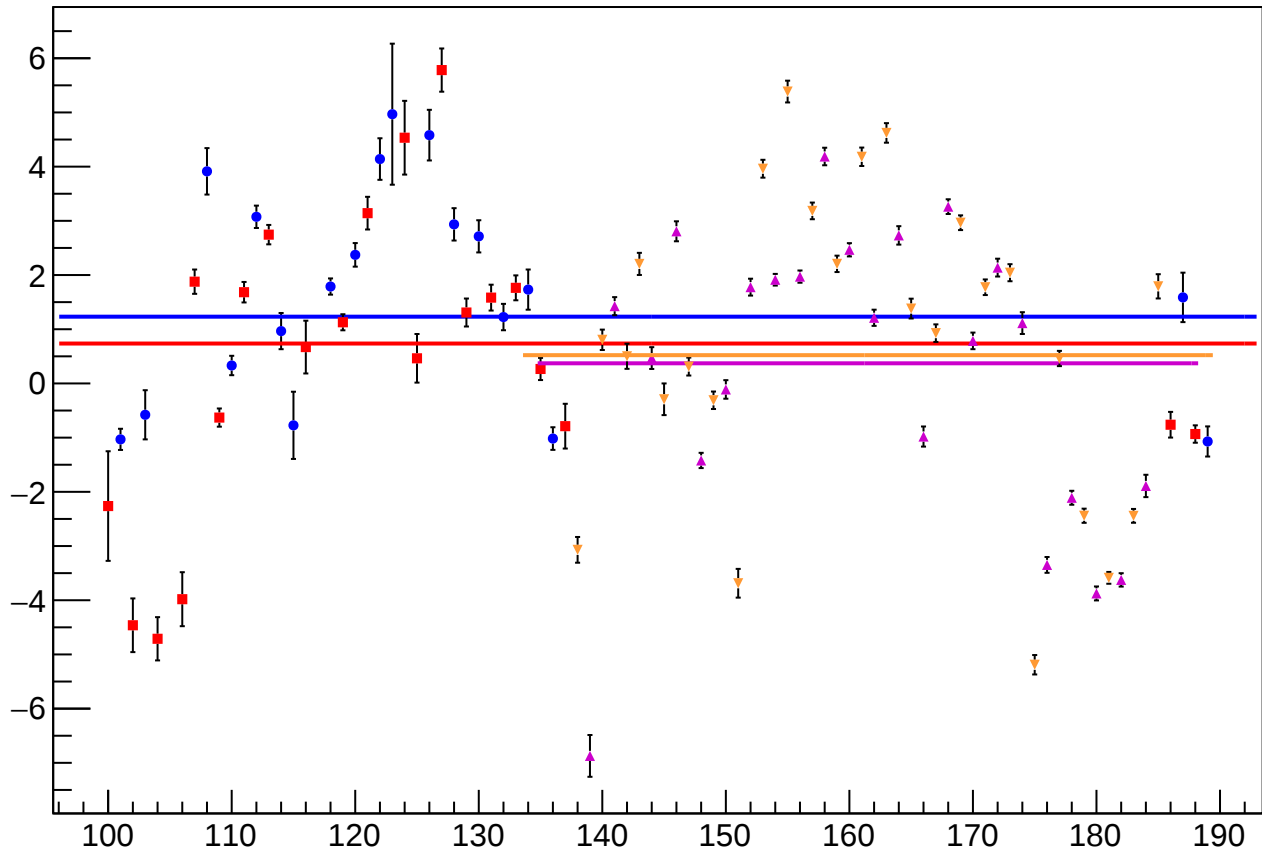
Left In: -17.393 ± 0.039 χ^2/NDF : 43178.9/22

+ sign -17.487 ± 0.039 χ^2/NDF : 102680.9/26

All: -15.865 ± 0.026 χ^2/NDF : 188209.5/51

- sign -14.469 ± 0.036 χ^2/NDF : 82284.9/24

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.232 ± 0.061 χ^2/NDF : 708.6/18

Left Out: 0.522 ± 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.736 ± 0.054 χ^2/NDF : 1105.0/20

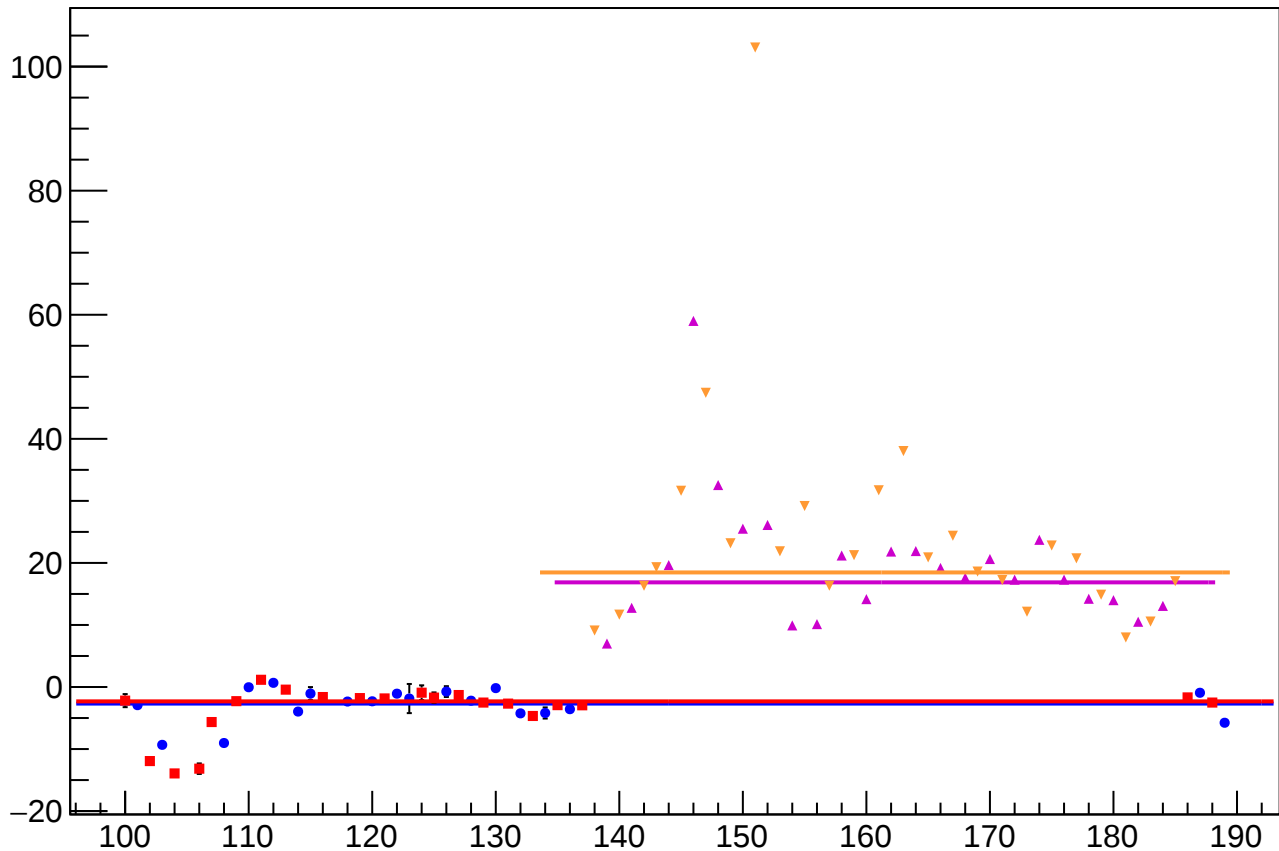
Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

+ sign 0.682 ± 0.029 χ^2/NDF : 7868.4/43

All: 0.565 ± 0.020 χ^2/NDF : 15255.2/87

- sign 0.463 ± 0.027 χ^2/NDF : 7356.5/43

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.669 ± 0.092 χ^2/NDF : 763.4/18

Left Out: 18.467 ± 0.040 χ^2/NDF : 77226.7/24

Right Out: -2.315 ± 0.061 χ^2/NDF : 932.1/20

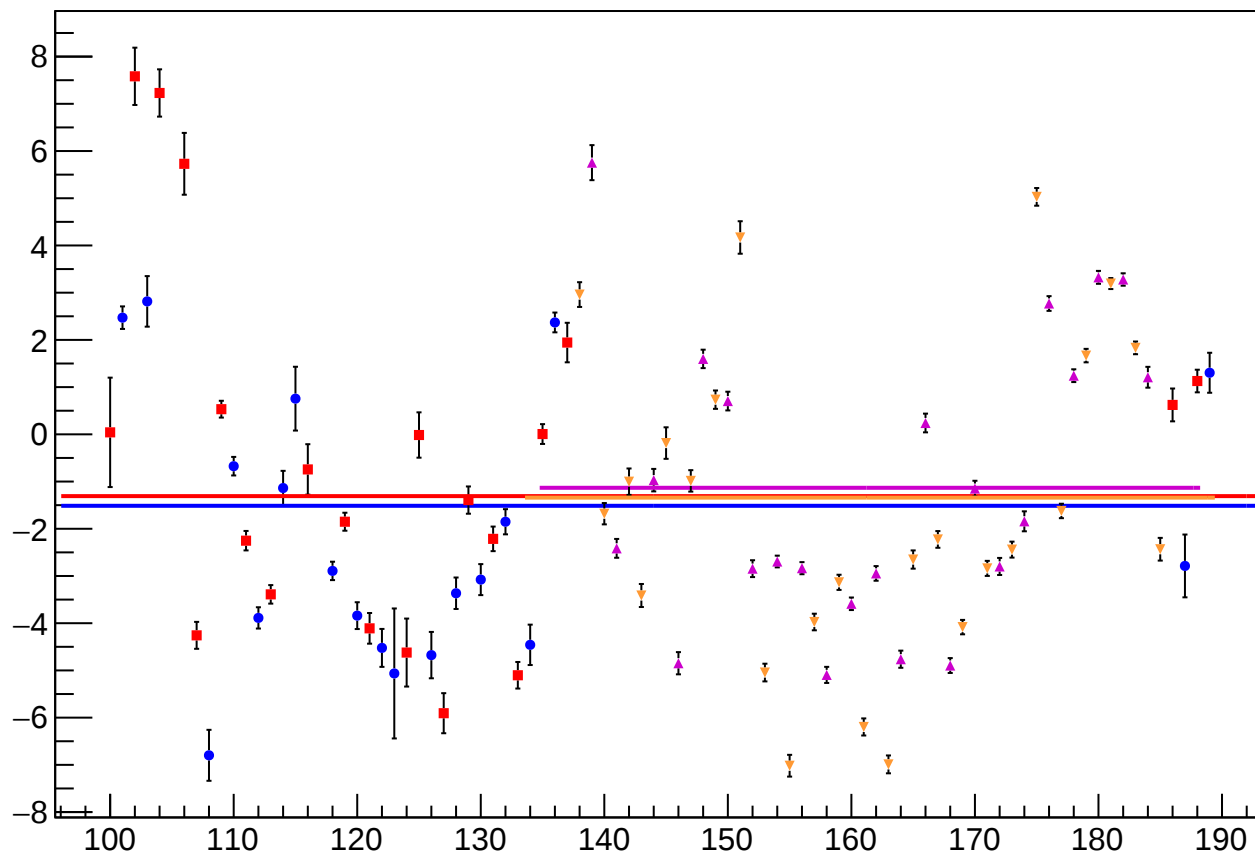
Left In: 16.867 ± 0.039 χ^2/NDF : 39779.0/22

+ sign 15.111 ± 0.037 χ^2/NDF : 122578.1/43

All: 13.030 ± 0.024 χ^2/NDF : 239878.6/87

- sign 11.378 ± 0.033 χ^2/NDF : 111494.4/43

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.513 $\pm$ 0.071 χ^2/NDF : 1296.5/18

Left Out: -1.340 $\pm$ 0.037 χ^2/NDF : 7907.4/24

Right Out: -1.308 $\pm$ 0.063 χ^2/NDF : 1627.1/20

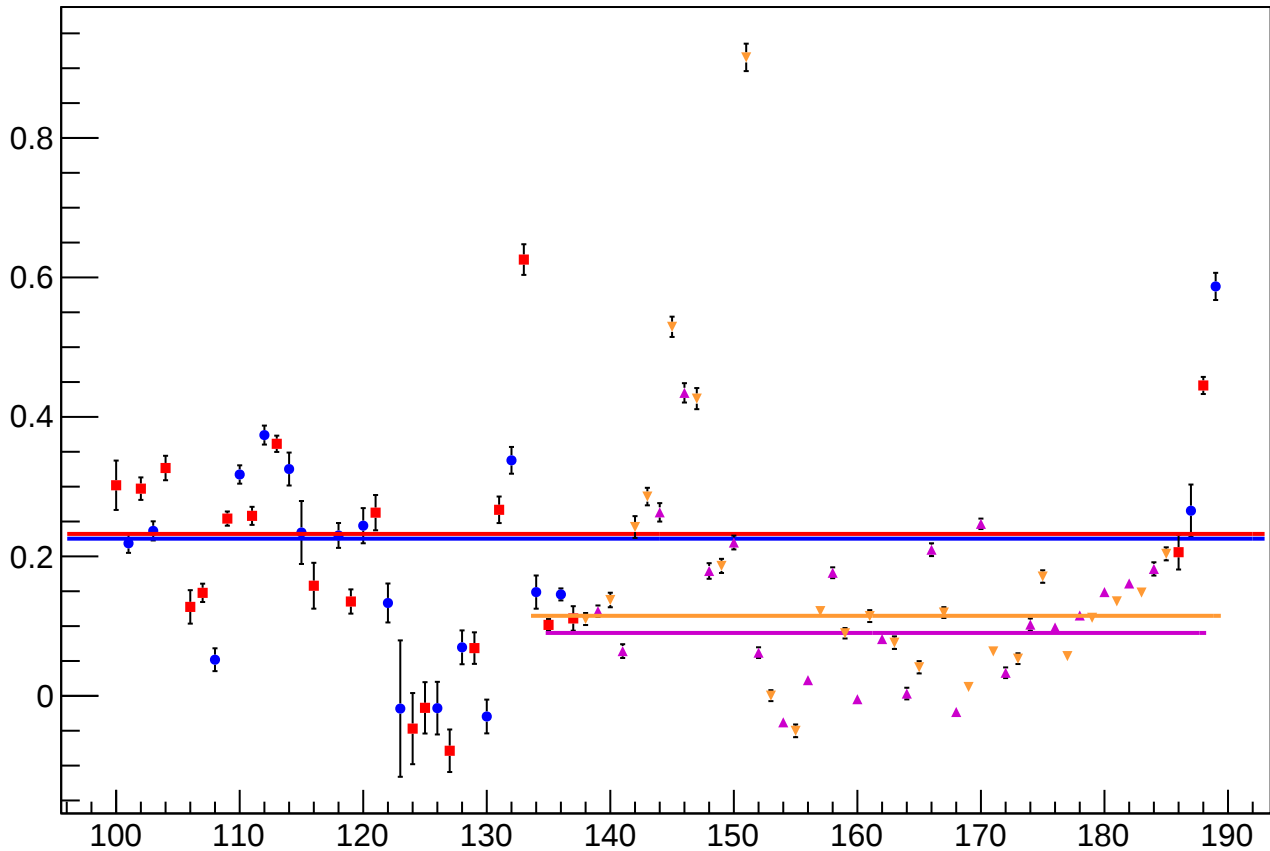
Left In: -1.132 $\pm$ 0.035 χ^2/NDF : 6708.5/22

+ sign -1.376 $\pm$ 0.033 χ^2/NDF : 9208.6/43

All: -1.268 $\pm$ 0.022 χ^2/NDF : 17571.0/87

- sign -1.173 $\pm$ 0.031 χ^2/NDF : 8341.6/43

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.225 ± 0.004 $\chi^2/\text{NDF}: 987.0/18$

Left Out: 0.115 ± 0.002 $\chi^2/\text{NDF}: 4431.9/24$

Right Out: 0.232 ± 0.004 $\chi^2/\text{NDF}: 1426.6/20$

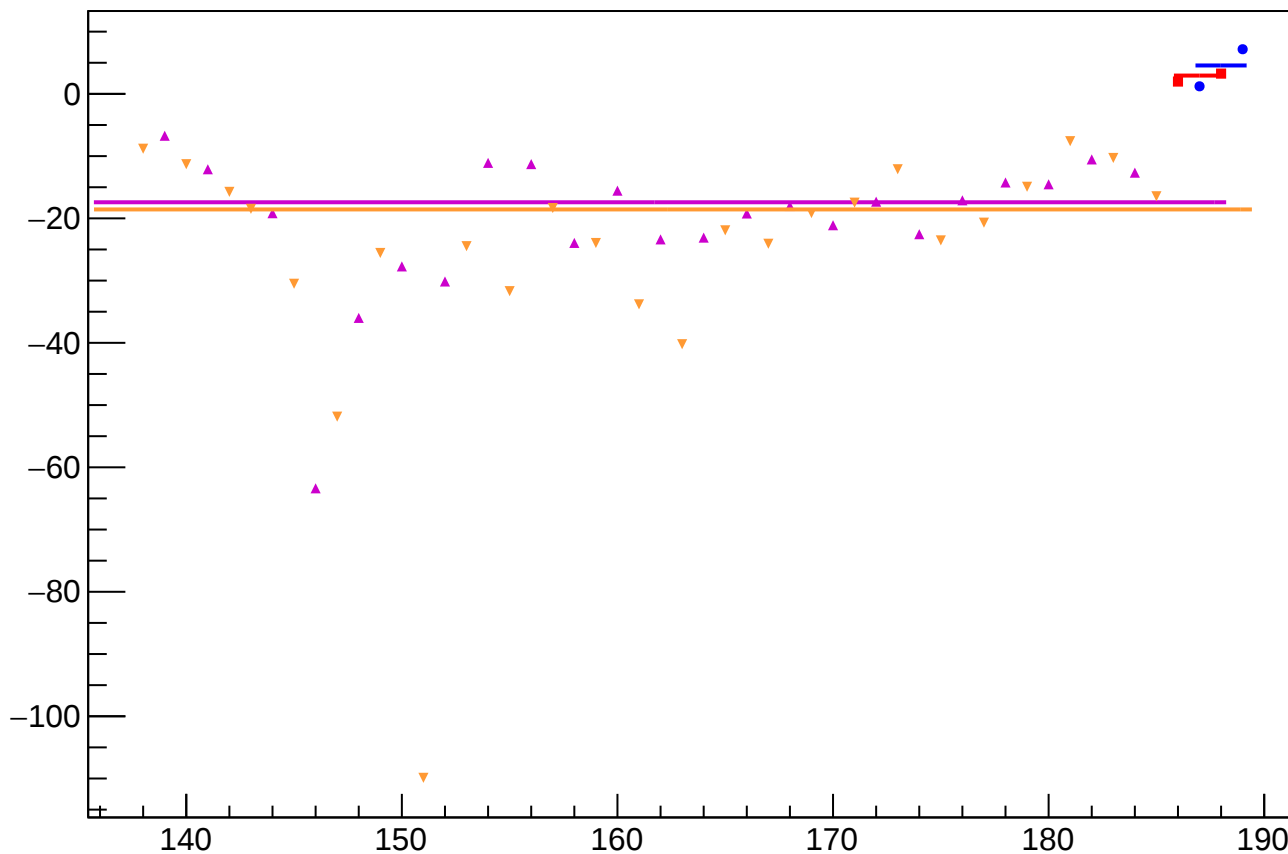
Left In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 3676.5/22$

+ sign 0.130 ± 0.002 $\chi^2/\text{NDF}: 6045.2/43$

All: 0.121 ± 0.001 $\chi^2/\text{NDF}: 12560.2/87$

- sign 0.113 ± 0.001 $\chi^2/\text{NDF}: 6444.4/43$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 4.566 ± 0.188 χ^2/NDF : 247.2/1

Left Out: -18.566 ± 0.040 χ^2/NDF : 86389.6/24

Right Out: 2.942 ± 0.096 χ^2/NDF : 32.8/1

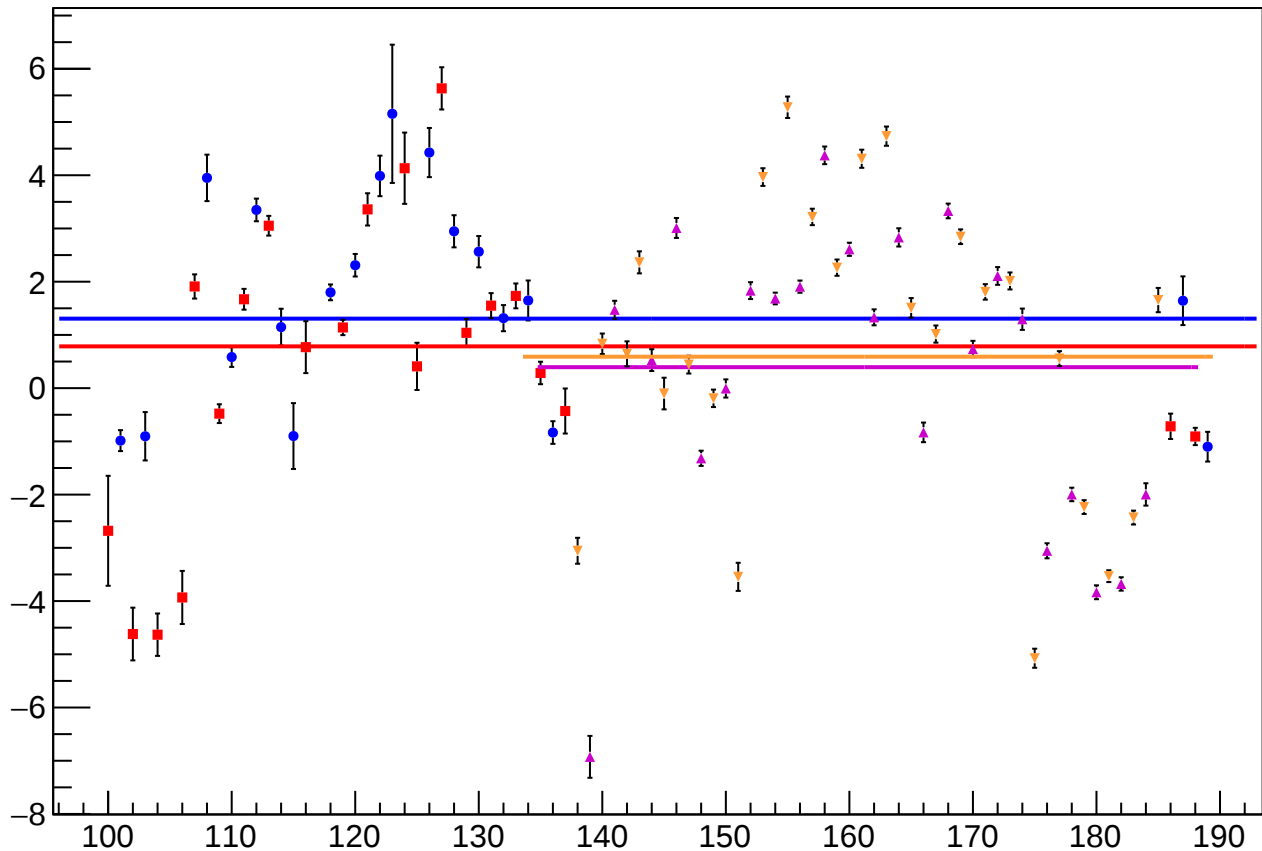
Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

+ sign -17.559 ± 0.039 χ^2/NDF : 101121.2/26

All: -15.913 ± 0.027 χ^2/NDF : 186398.4/51

- sign -14.496 ± 0.036 χ^2/NDF : 81996.6/24

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.306 $\pm$ 0.062 χ^2/NDF : 678.1/18

Left Out: 0.591 $\pm$ 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.785 $\pm$ 0.055 χ^2/NDF : 1093.3/20

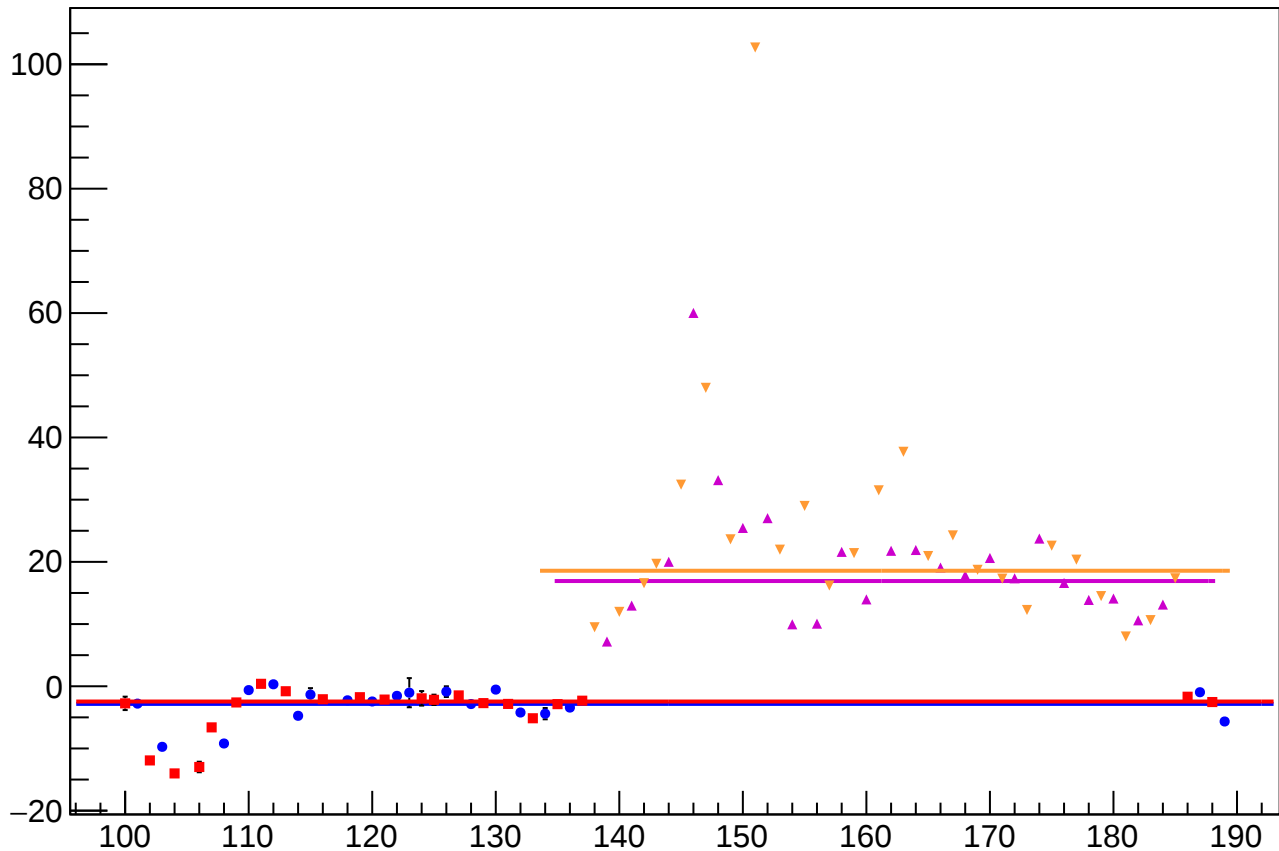
Left In: 0.394 $\pm$ 0.032 χ^2/NDF : 6059.8/22

+ sign 0.752 $\pm$ 0.029 χ^2/NDF : 7579.0/43

All: 0.614 $\pm$ 0.020 χ^2/NDF : 14812.3/87

- sign 0.492 $\pm$ 0.027 χ^2/NDF : 7191.3/43

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.833 ± 0.093 χ^2/NDF : 682.5/18

Left Out: 18.573 ± 0.040 χ^2/NDF : 76029.9/24

Right Out: -2.453 ± 0.062 χ^2/NDF : 862.3/20

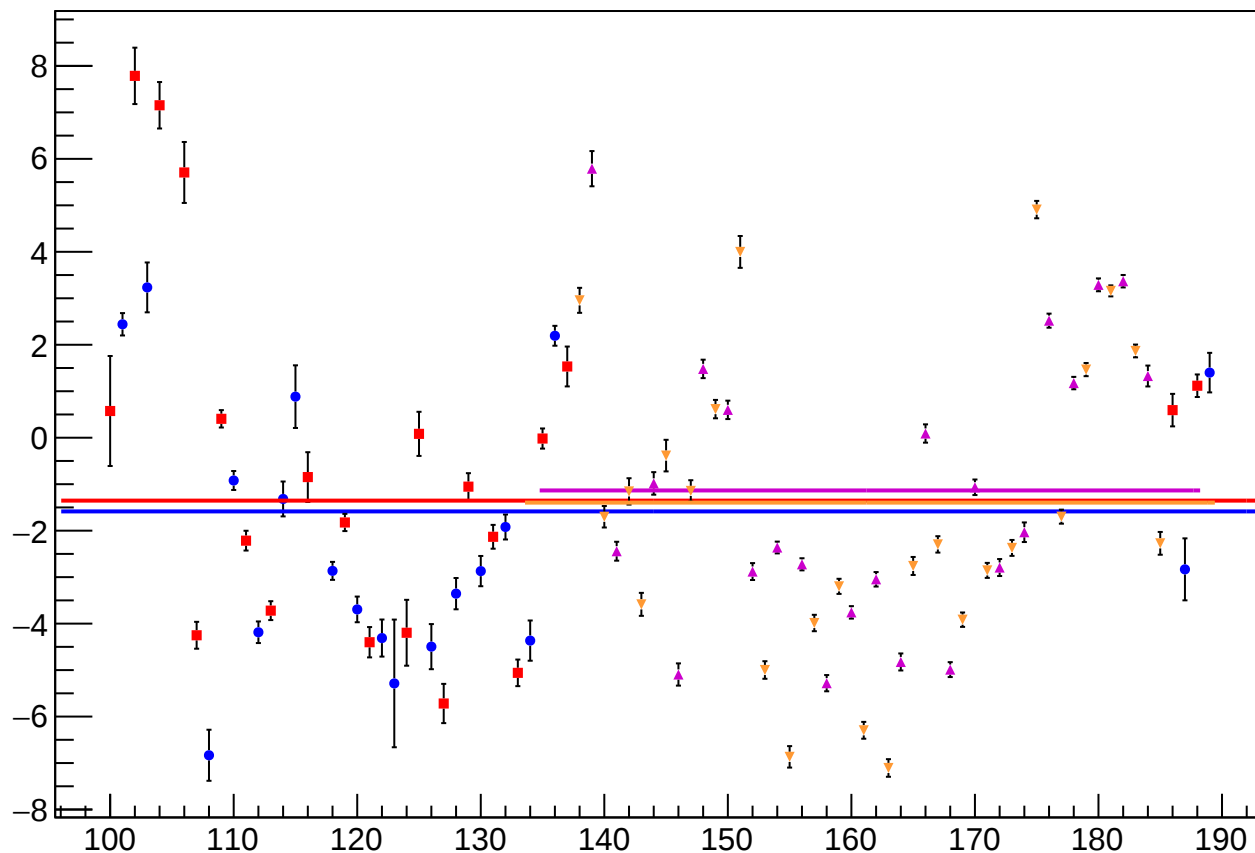
Left In: 16.919 ± 0.039 χ^2/NDF : 40154.5/22

+ sign 15.184 ± 0.037 χ^2/NDF : 121468.8/43

All: 13.092 ± 0.025 χ^2/NDF : 238506.2/87

- sign 11.428 ± 0.033 χ^2/NDF : 111278.1/43

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.586 ± 0.072 χ^2/NDF : 1244.7/18

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -1.353 ± 0.064 χ^2/NDF : 1599.0/20

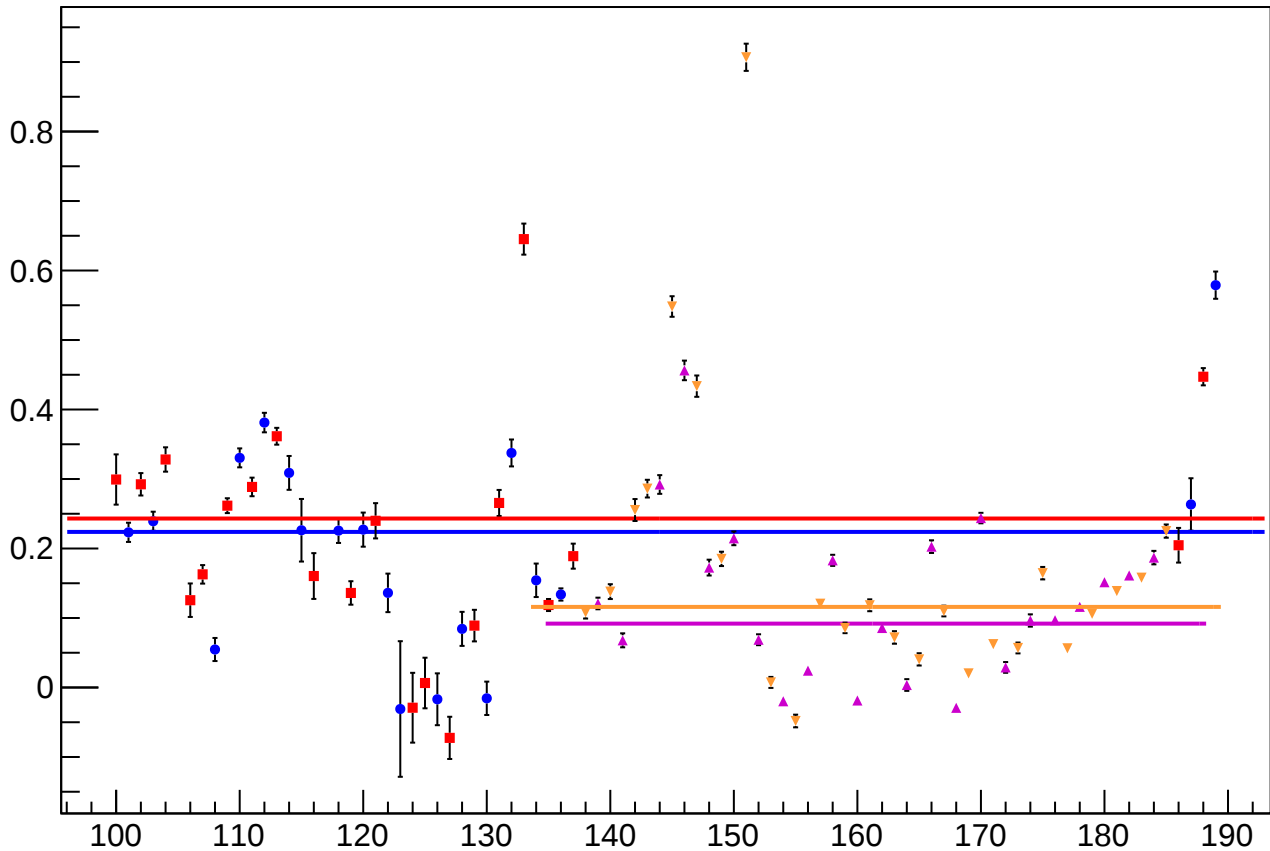
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.436 ± 0.033 χ^2/NDF : 8901.7/43

All: -1.303 ± 0.022 χ^2/NDF : 17138.3/87

- sign -1.185 ± 0.031 χ^2/NDF : 8205.6/43

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.224 $\pm$ 0.004 χ^2/NDF : 970.8/18

Left Out: 0.116 $\pm$ 0.002 χ^2/NDF : 4463.0/24

Right Out: 0.243 $\pm$ 0.004 χ^2/NDF : 1291.0/20

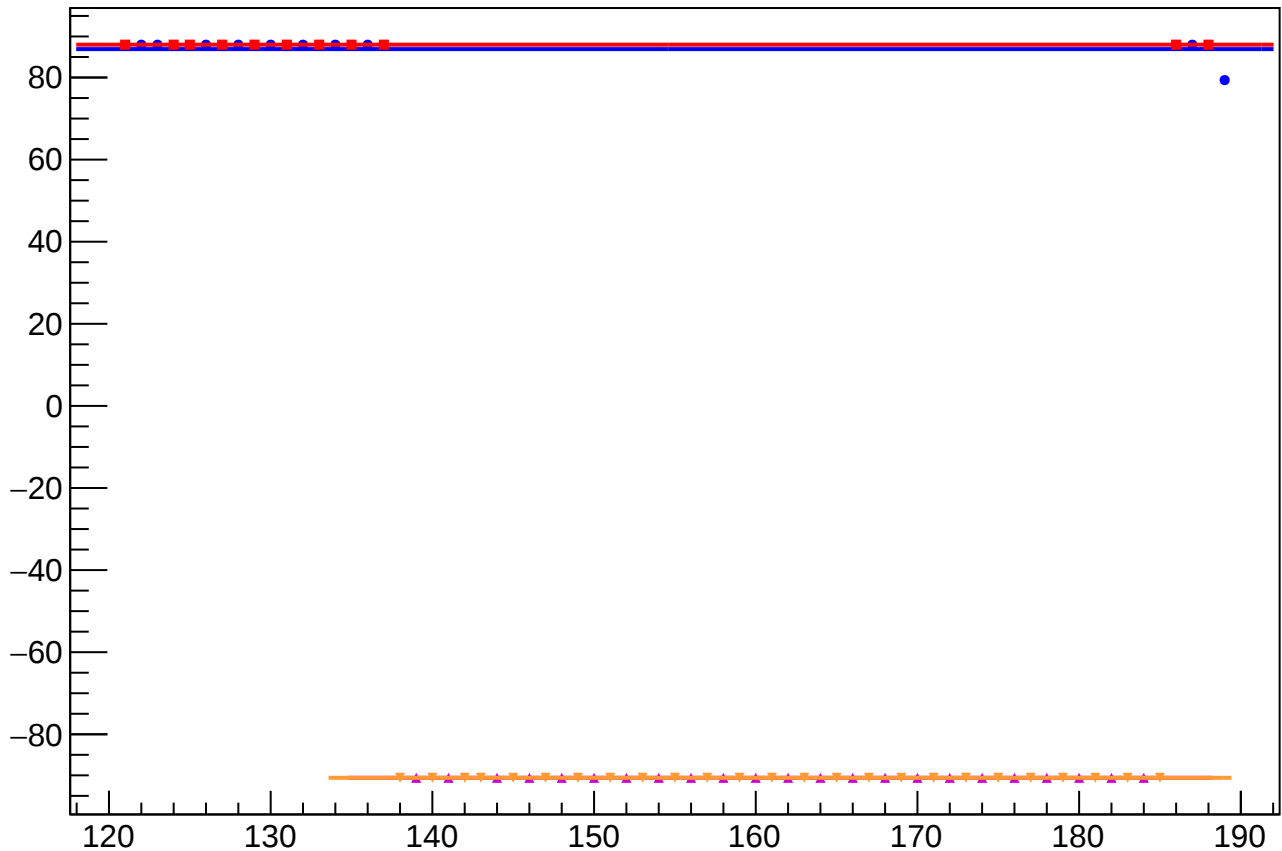
Left In: 0.092 $\pm$ 0.002 χ^2/NDF : 3631.4/22

+ sign 0.131 $\pm$ 0.002 χ^2/NDF : 6015.3/43

All: 0.122 $\pm$ 0.001 χ^2/NDF : 12459.9/87

- sign 0.115 $\pm$ 0.001 χ^2/NDF : 6390.7/43

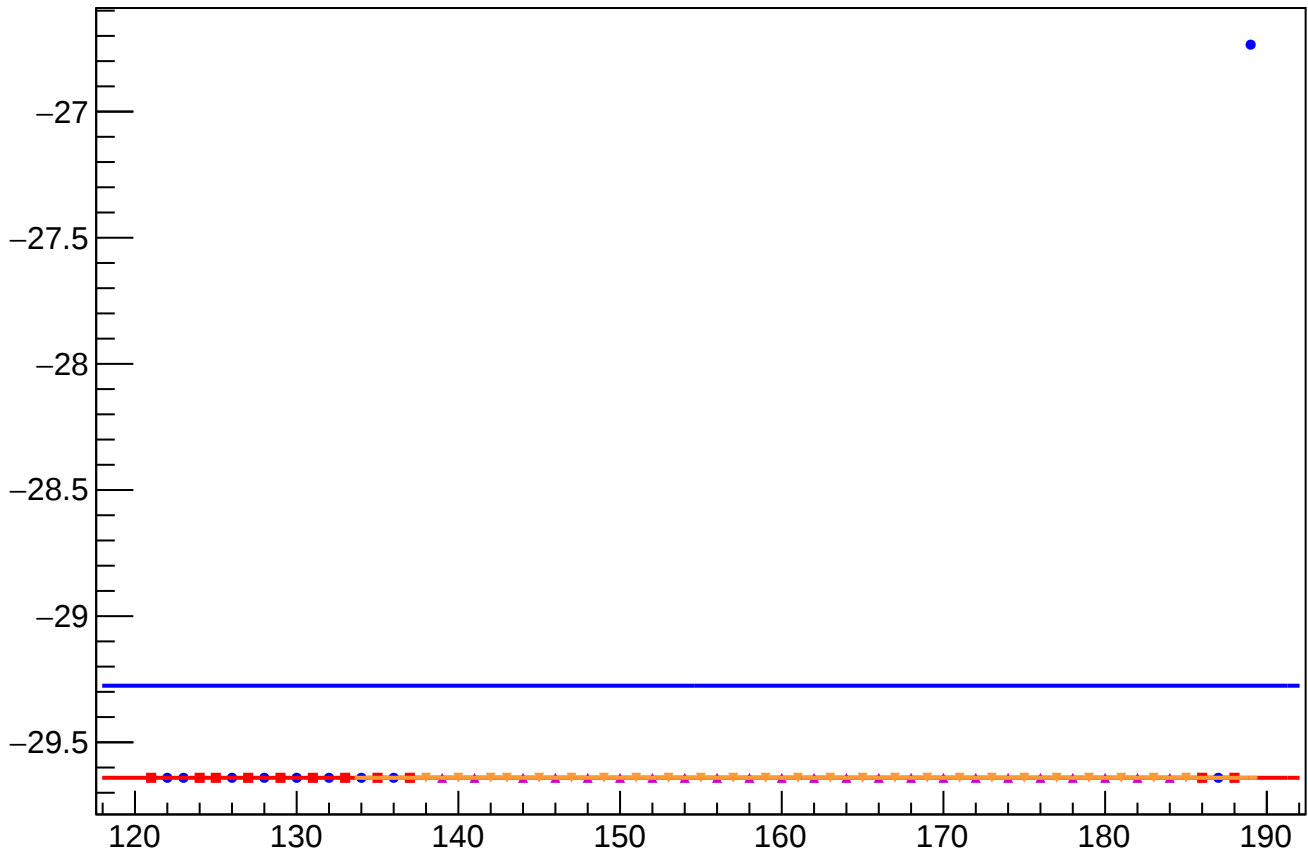
VWienAngle_mean vs Slug



Right In: 86.917+/-0.000 χ^2/NDF : 3319284182634901889497368914558976.0/9
Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24
Right Out: 88.001+/-0.000 χ^2/NDF : 211440.0/10
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

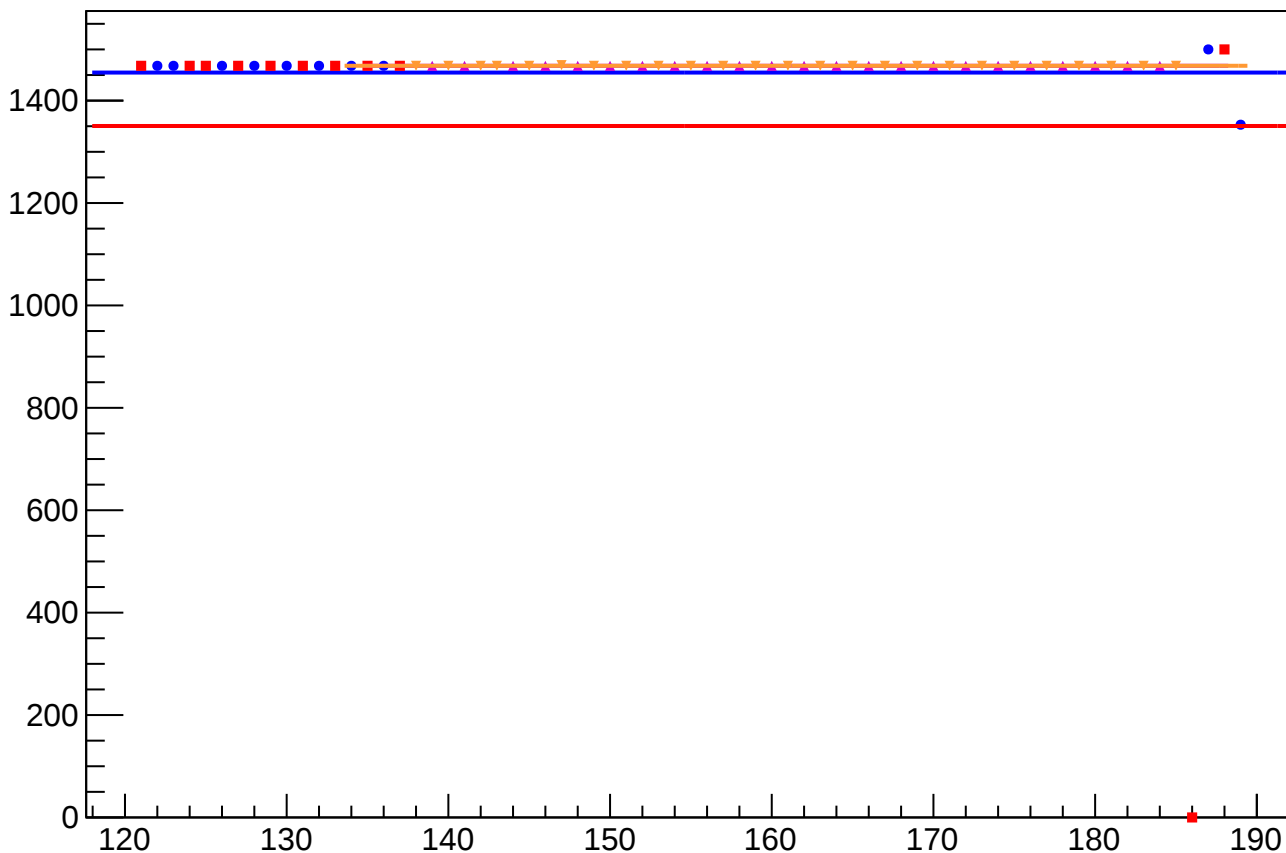
+ sign -59.480+/-0.000 χ^2/NDF : 105544028661935
All: -57.325+/-0.000 χ^2/NDF : 220529447247
- sign -55.116+/-0.000 χ^2/NDF : 114767589807256

HWienAngle_mean vs Slug



Right In: -29.276 $\pm$ 0.000 χ^2 /NDF: 376572980077339540526258479693824.0/9
Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 654199.2/24
Right Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 352399.9/10
Left In: -29.641 $\pm$ 0.000 χ^2 /NDF: 511825.6/22
+ sign -29.577 $\pm$ 0.000 χ^2 /NDF: 421188482752330
All: -29.608 $\pm$ 0.000 χ^2 /NDF: 425872310123
- sign -29.641 $\pm$ 0.000 χ^2 /NDF: 1916944.6/33

psub_pl_pos_mean vs Slug



Right In: 1454.791+/-0.000 χ^2/NDF : 620701470025135611061893911168417792.0/9

+ sign 1465.724+/-0.000 χ^2/NDF : 67967531574215

Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24

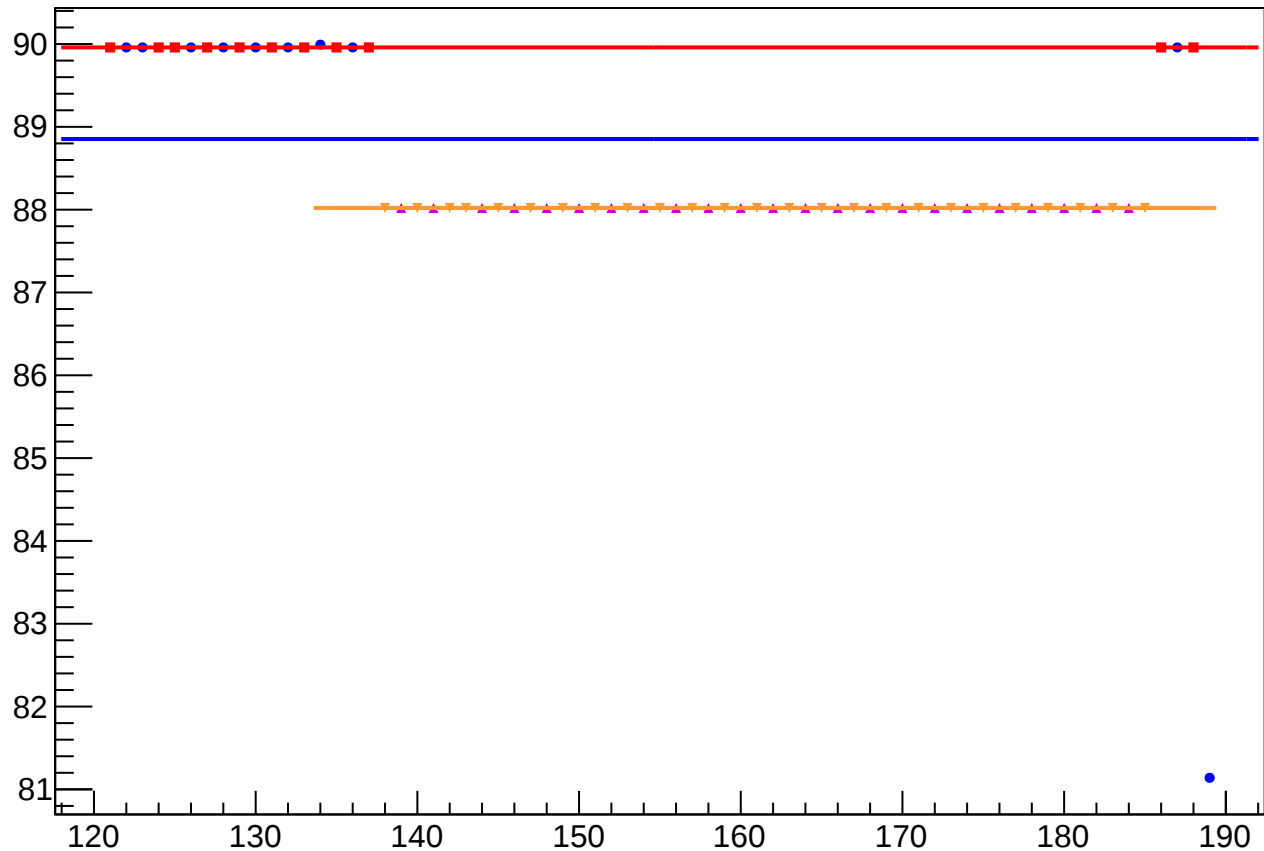
All: 1455.311+/-0.000 χ^2/NDF : 81941006480

Right Out: 1350.445+/-0.000 χ^2/NDF : 75781328288501182140186914980007772160.0/10

- sign 1444.640+/-0.000 χ^2/NDF : 80752871228683

Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

Phi_FG_mean vs Slug



Right In: 88.853+/-0.000 χ^2/NDF : 3470239709183582261005318560415744.0/9

Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24

Right Out: 89.959+/-0.000 χ^2/NDF : 1123842.8/10

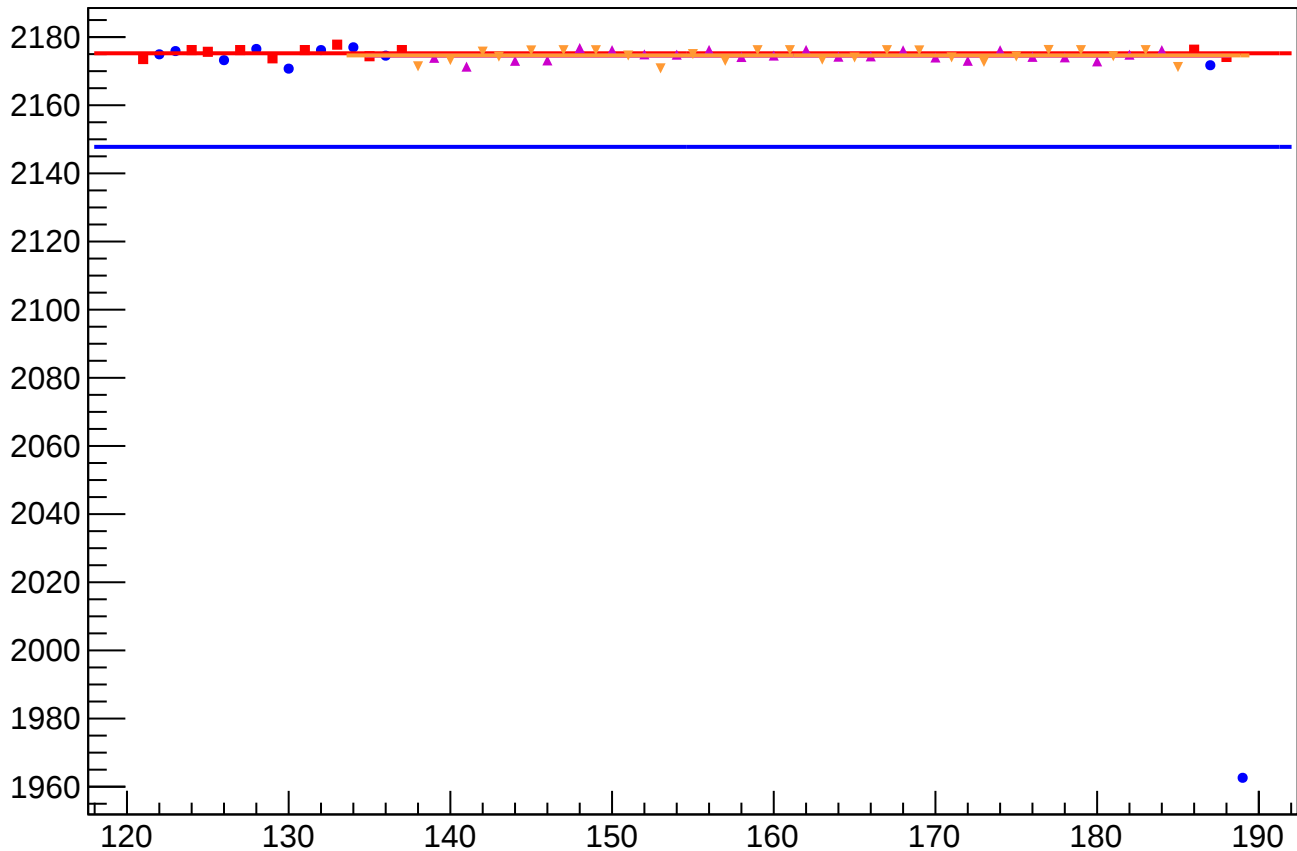
Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

+ sign 88.167+/-0.000 χ^2/NDF : 3702254870771732

All: 88.285+/-0.000 χ^2/NDF : 5119876913744

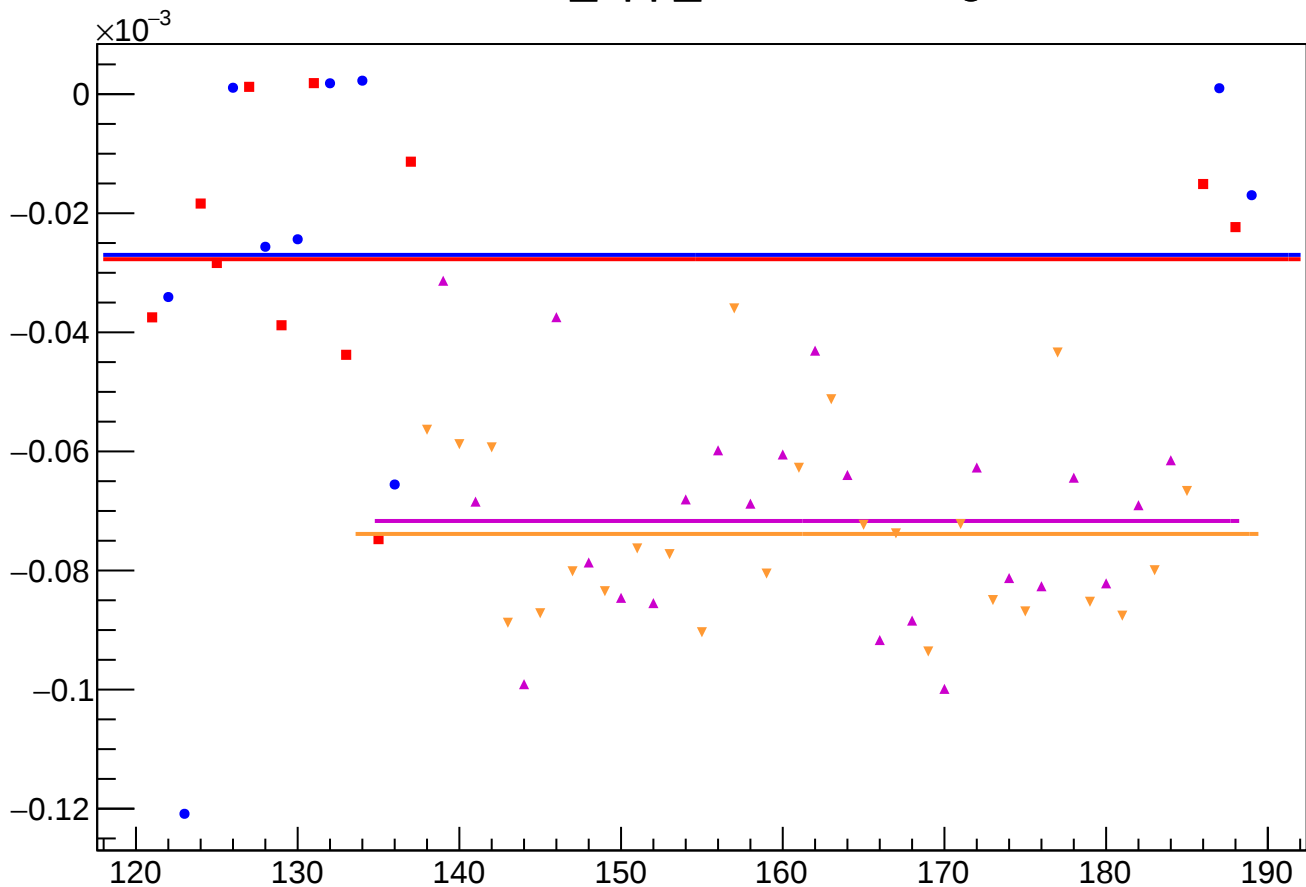
- sign 88.406+/-0.000 χ^2/NDF : 1352165866701614

HALLA_p_mean vs Slug



Right In: 2147.782 $\pm$ 0.000 χ^2 /NDF: 2001239028453492065294499892906950656.0/9
 Left Out: 2174.622 $\pm$ 0.000 χ^2 /NDF: 5110578135476093110874911595823104.0/24
 Right Out: 2175.245 $\pm$ 0.000 χ^2 /NDF: 773542983754432662898103761764352.0/10
 Left In: 2174.539 $\pm$ 0.000 χ^2 /NDF: 3400742562425168967494665391570944.0/22
 + sign 2169.917 $\pm$ 0.000 χ^2 /NDF: 22475585357275
 All: 2172.269 $\pm$ 0.000 χ^2 /NDF: 2277853899
 - sign 2174.679 $\pm$ 0.000 χ^2 /NDF: 43534860956490

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 269004303271763004882944.0/9

Left Out: -0.000+/-0.000 χ^2 /NDF: 450400934180541069000704.0/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 207362101773390716076032.0/10

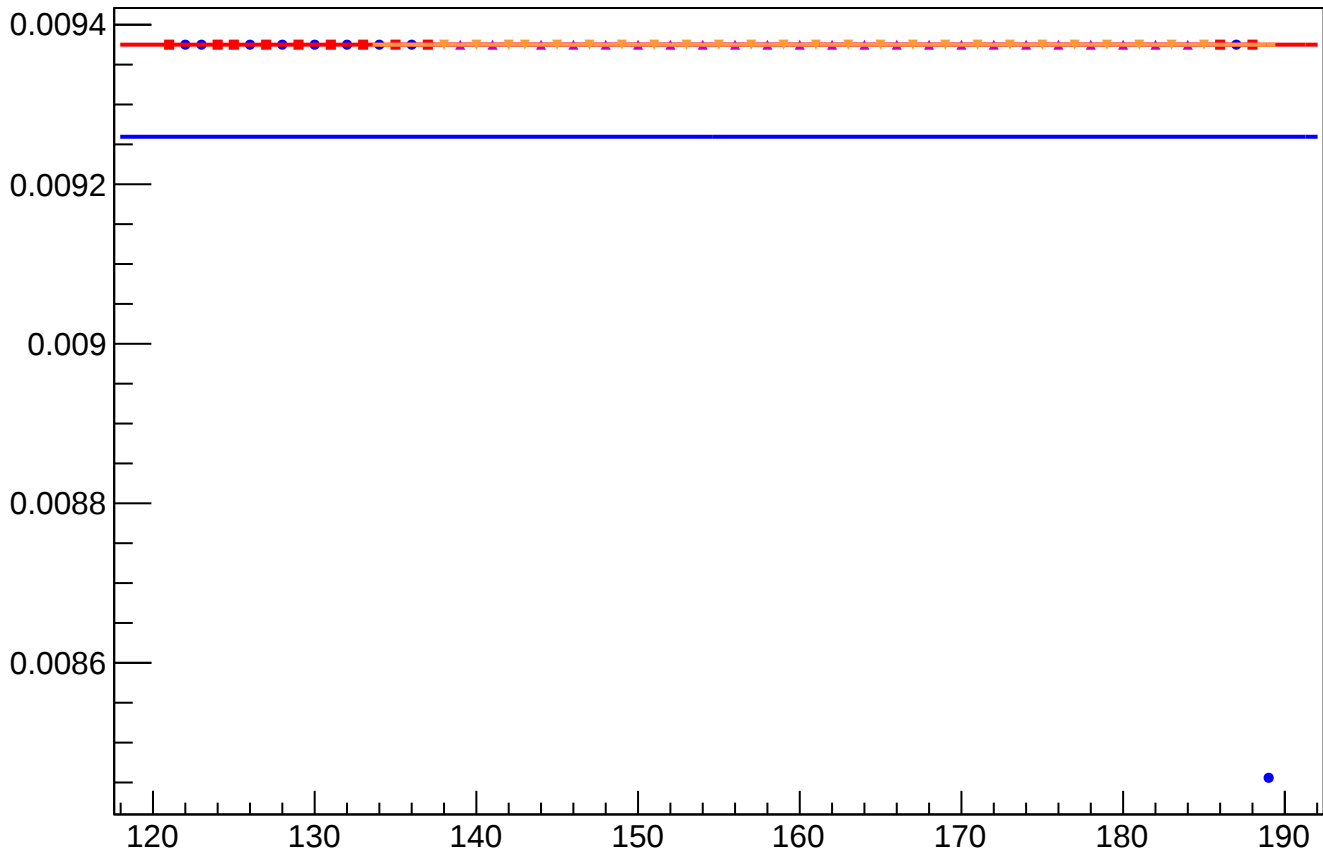
Left In: -0.000+/-0.000 χ^2 /NDF: 562166279020739416817664.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 1454768704967805

All: -0.000+/-0.000 χ^2 /NDF: 2927984352256

- sign -0.000+/-0.000 χ^2 /NDF: 14649027655187863

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 37671655407852576596557824.0/9

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/10

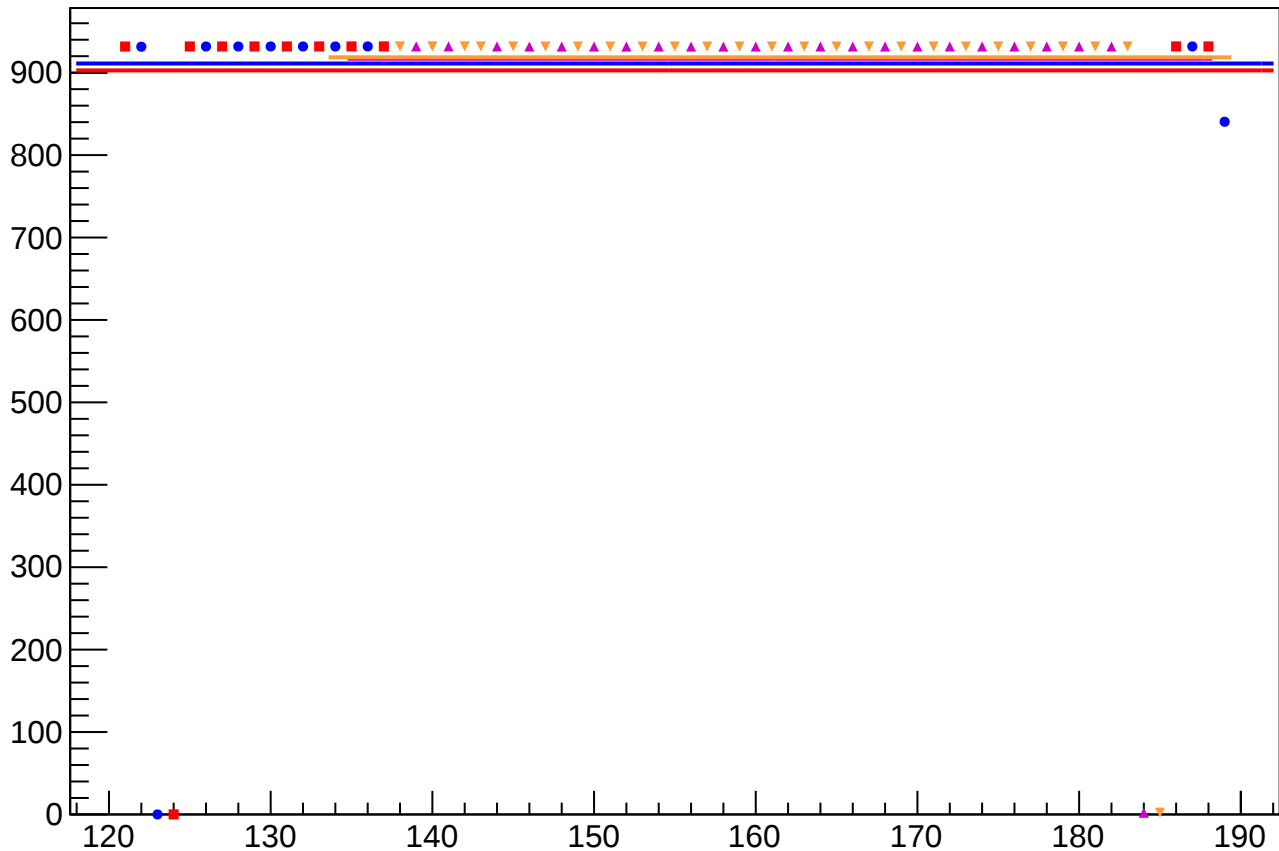
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42134906707176529

All: 0.009+/-0.000 χ^2/NDF : 42603468022096

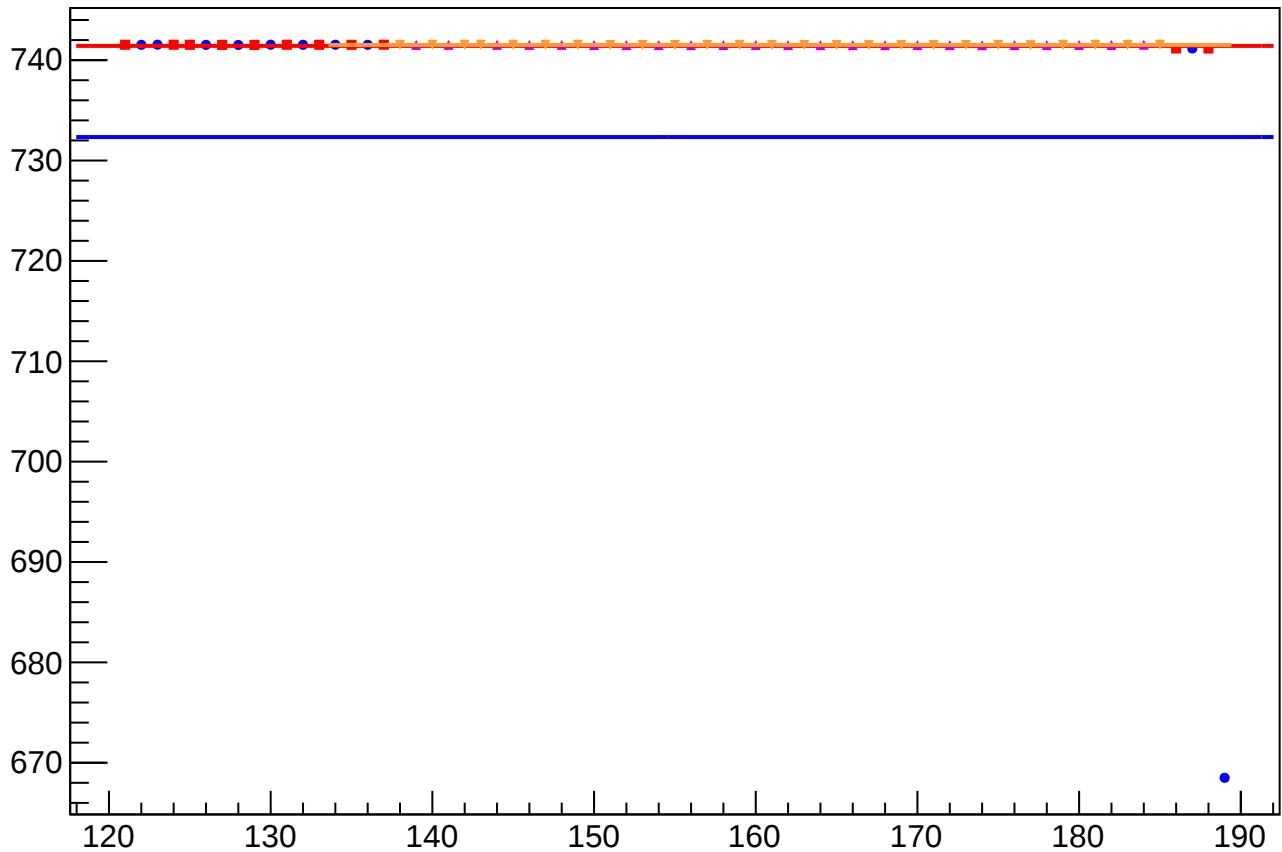
- sign 0.009+/-0.000 χ^2/NDF : 0.2/33

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 911.148+/-0.000 χ^2/NDF : 3724814795110127321454463350940368896.0/9
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 902.771+/-0.000 χ^2/NDF : 11776332241728664089316920406025699328.0/10
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

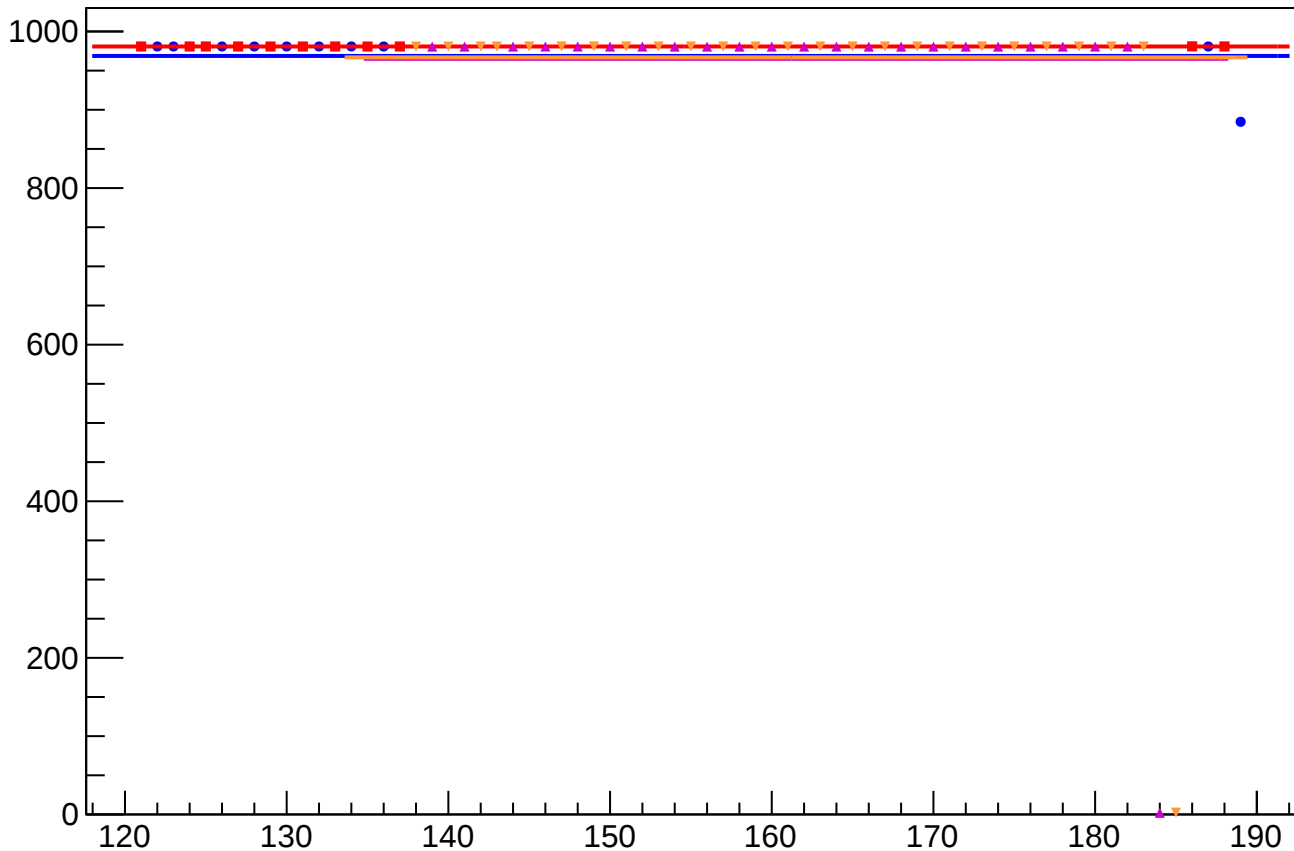
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 732.340+/-0.000 χ^2/NDF : 237710663434083416401695996945367040.0/9
Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24
Right Out: 741.421+/-0.000 χ^2/NDF : 12365524190581469761062494535680.0/10
Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 739.905+/-0.000 χ^2/NDF : 265883702140373
All: 740.690+/-0.000 χ^2/NDF : 26878876808
- sign 741.494+/-0.000 χ^2/NDF : 155491941485497

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 968.742 $\pm$ 0.000 χ^2 /NDF: 412556623891481458701173598650892288.0/9

Left Out: 966.936 $\pm$ 0.000 χ^2 /NDF: 25485578616543458629432284645183979520.0/24

Right Out: 980.851 $\pm$ 0.000 χ^2 /NDF: 1772402309418359579980358221824.0/10

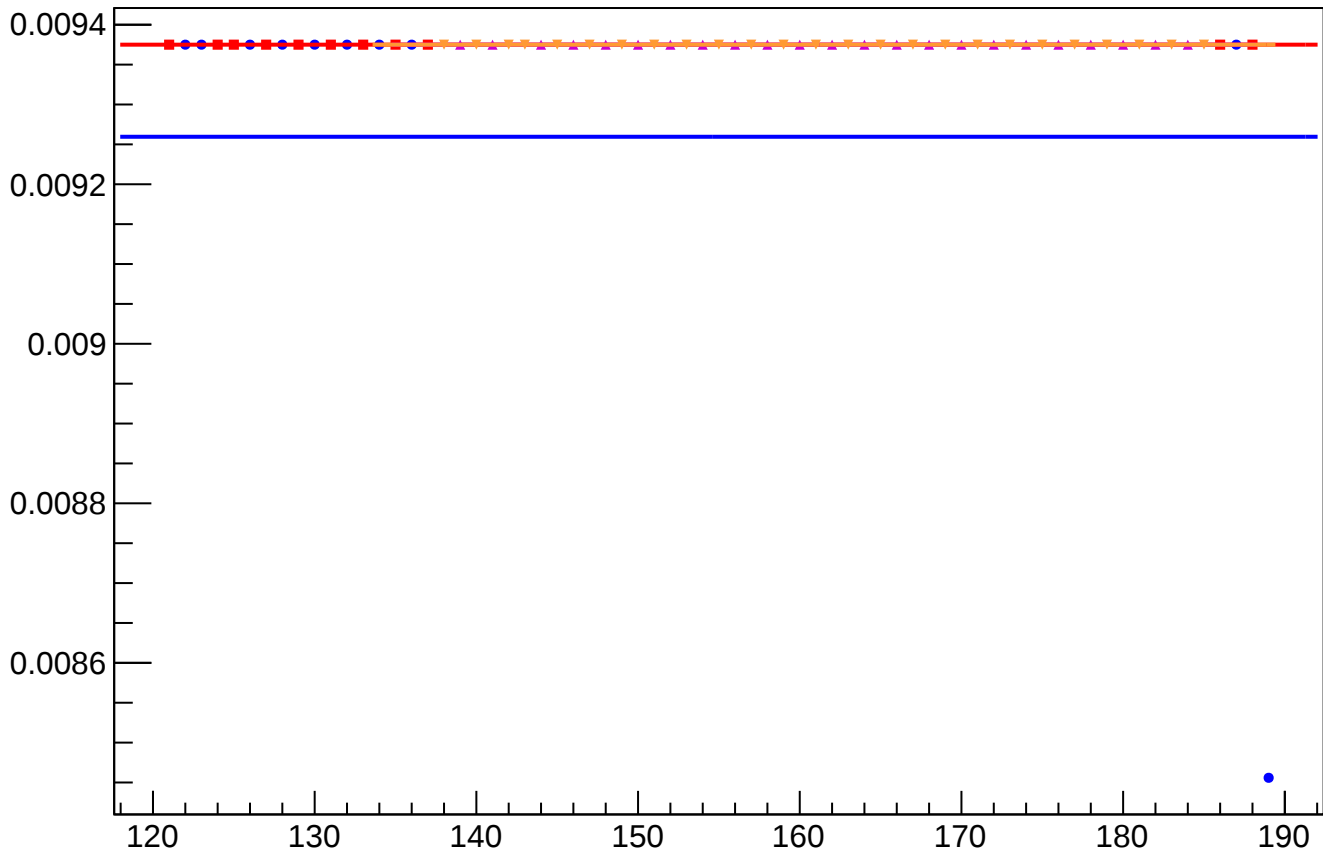
Left In: 965.102 $\pm$ 0.000 χ^2 /NDF: 27330319430012441419356351914146004992.0/22

+ sign 967.253 $\pm$ 0.000 χ^2 /NDF: 258992277047882

All: 967.736 $\pm$ 0.000 χ^2 /NDF: 533198875472

- sign 968.231 $\pm$ 0.000 χ^2 /NDF: 274195648425599

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2 /NDF: 37671655407852576596557824.0/9

Left Out: 0.009+/-0.000 χ^2 /NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2 /NDF: 0.1/10

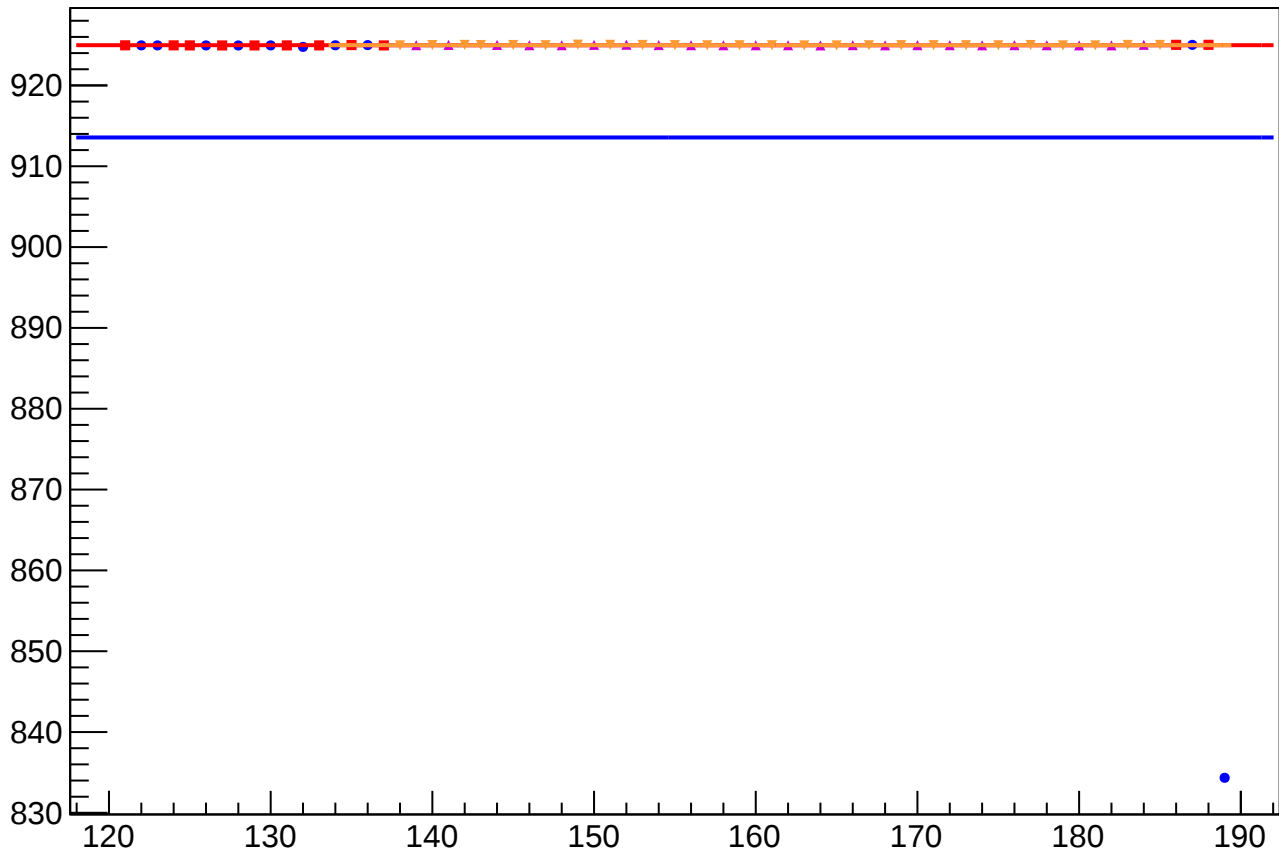
Left In: 0.009+/-0.000 χ^2 /NDF:0.1/22

+ sign 0.009+/-0.000 χ^2 /NDF: 42134906707176529

All: 0.009+/-0.000 χ^2 /NDF: 42603468022096

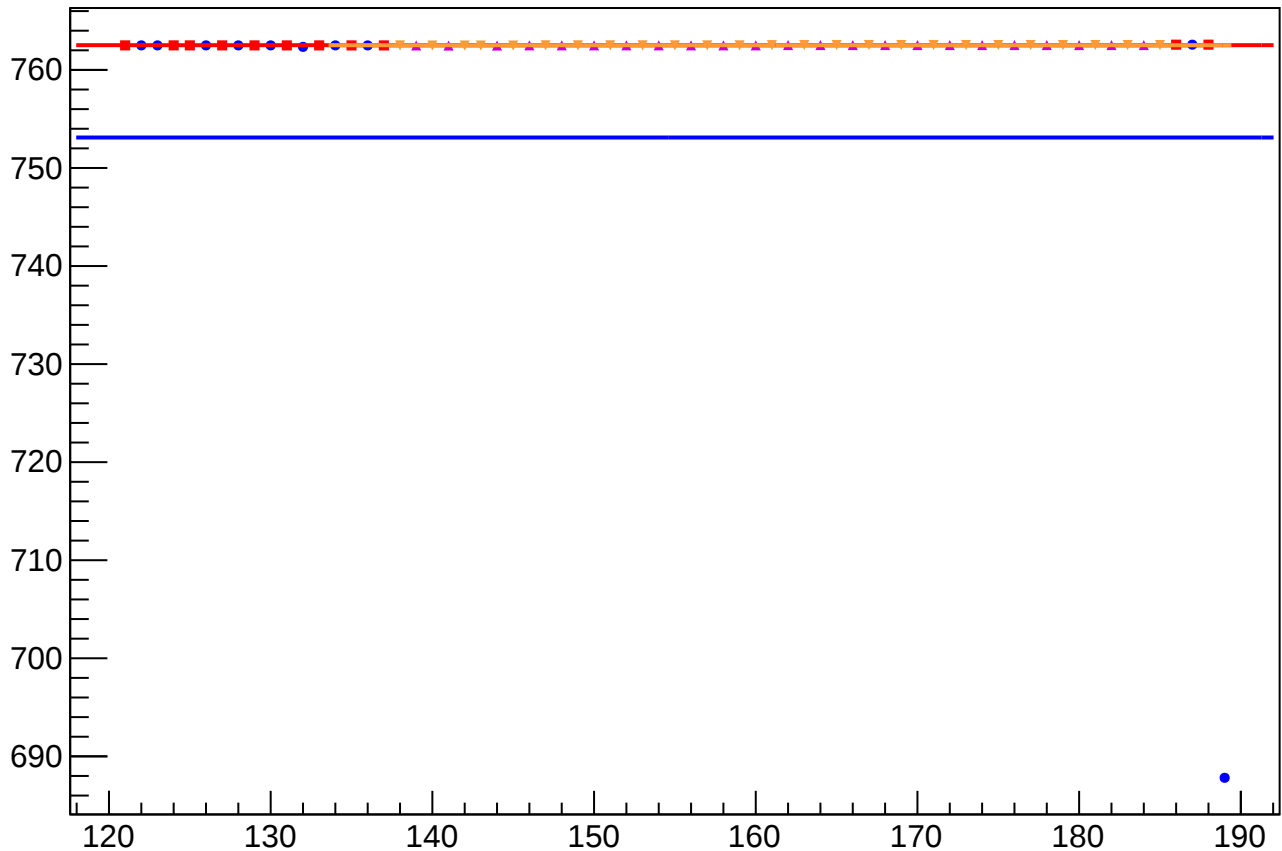
- sign 0.009+/-0.000 χ^2 /NDF: 0.2/33

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 913.562 ± 0.000 χ^2/NDF : 366058271931843986263462161248419840.0/9
 Left Out: 924.983 ± 0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
 Right Out: 924.976 ± 0.000 χ^2/NDF : 465046893580902941397841084416.0/10
 Left In: 924.983 ± 0.000 χ^2/NDF : 888539224321534960792212865024.0/22
 All: 923.969 ± 0.000 χ^2/NDF : 41431387236
 + sign 922.981 ± 0.000 χ^2/NDF : 409732316198877
 - sign 924.982 ± 0.000 χ^2/NDF : 136946308771397

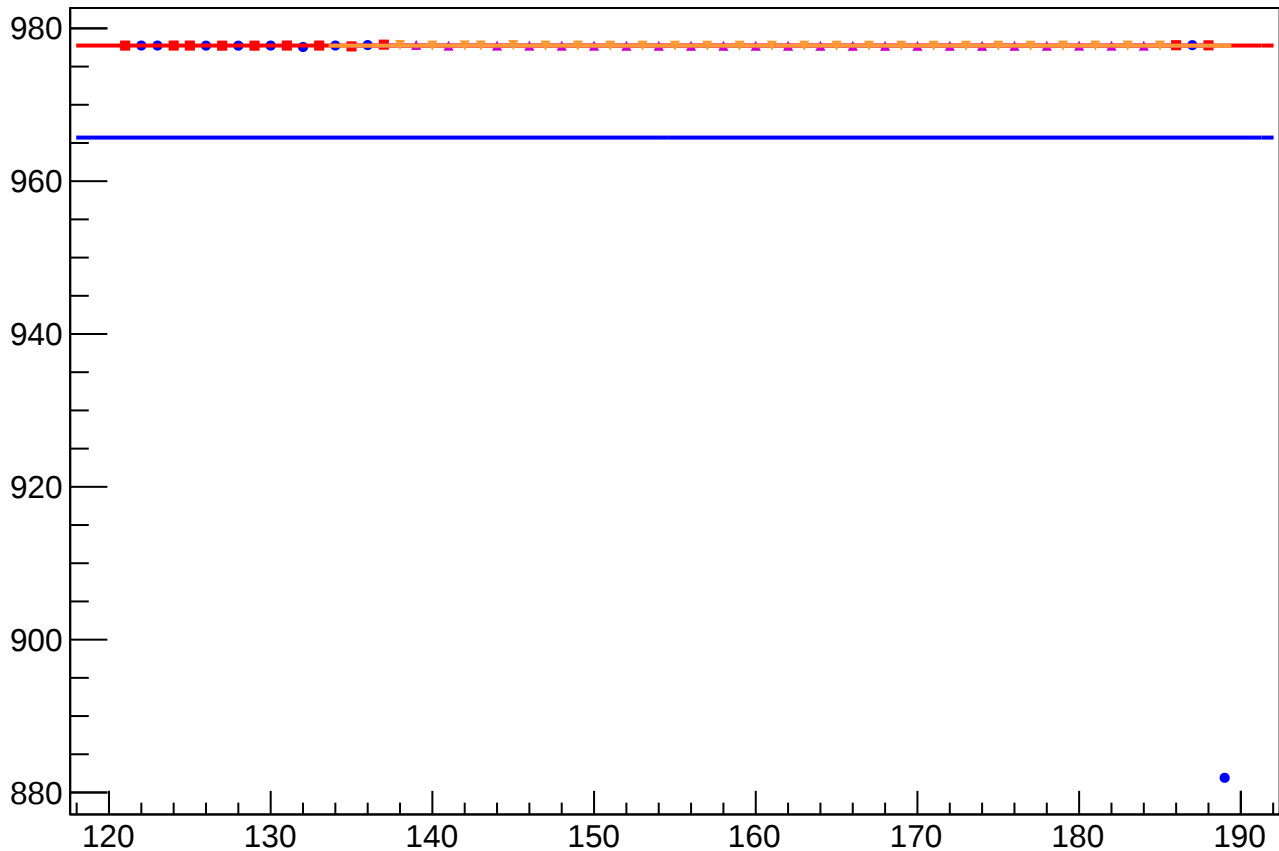
HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 753.107 $\pm$ 0.000 χ^2 /NDF: 248676605118673056468442306043707392.0/9
Left Out: 762.518 $\pm$ 0.000 χ^2 /NDF: 731741258759628909874415403008.0/24
Right Out: 762.523 $\pm$ 0.000 χ^2 /NDF: 493880802026286301529266716672.0/10
Left In: 762.519 $\pm$ 0.000 χ^2 /NDF: 629058355419214408155297480704.0/22

+ sign 760.869 $\pm$ 0.000 χ^2 /NDF: 278333838753623
All: 761.684 $\pm$ 0.000 χ^2 /NDF: 28145373258
- sign 762.520 $\pm$ 0.000 χ^2 /NDF: 112736550242815

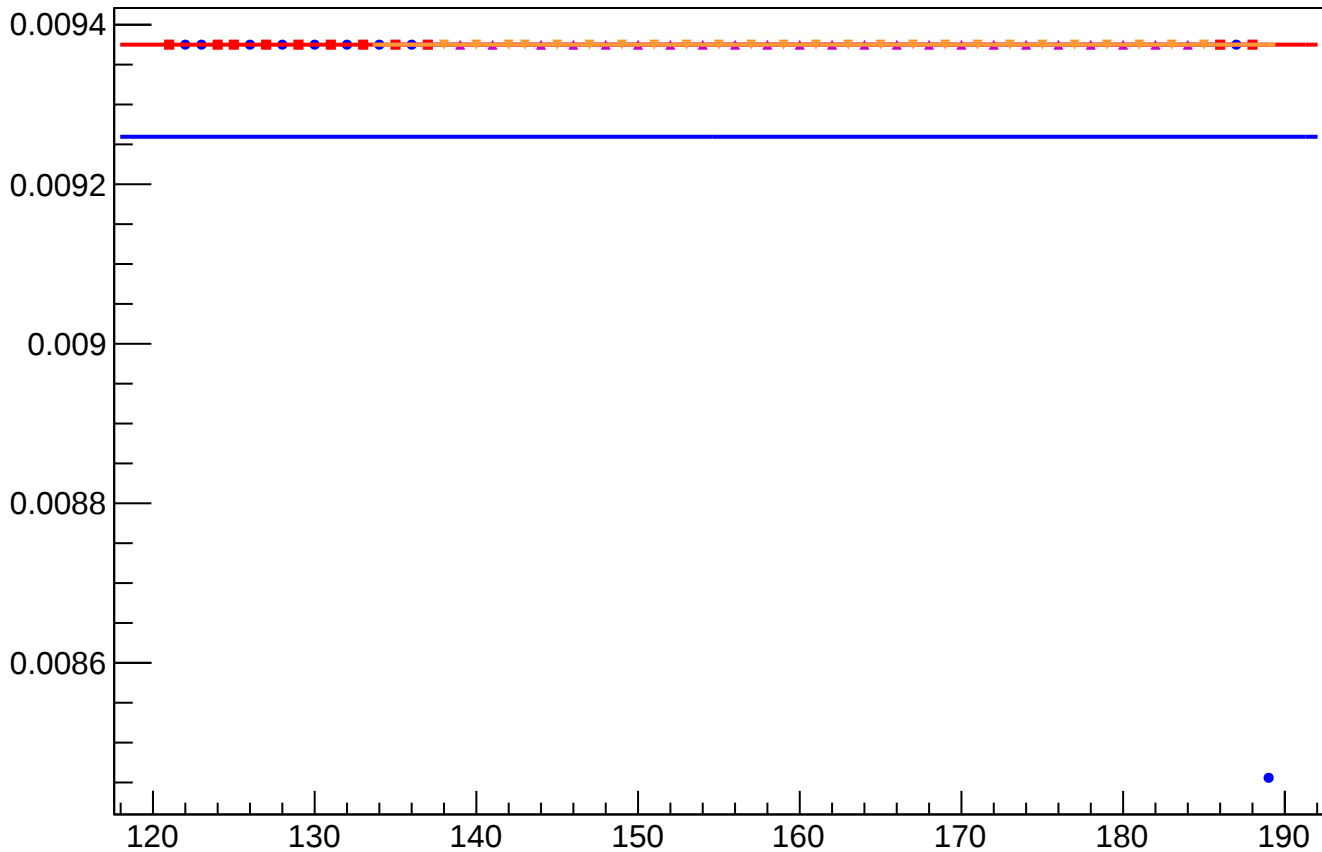
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 965.707 $\pm$ 0.000 χ^2 /NDF: 409469280914675504381927925097693184.0/9
Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24
Right Out: 977.751 $\pm$ 0.000 χ^2 /NDF: 978503395733679533050610843648.0/10
Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22

+ sign 975.629 $\pm$ 0.000 χ^2 /NDF: 457935360201651
All: 976.670 $\pm$ 0.000 χ^2 /NDF: 46302644513
- sign 977.738 $\pm$ 0.000 χ^2 /NDF: 204347347046730

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 37671655407852576596557824.0/9

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/10

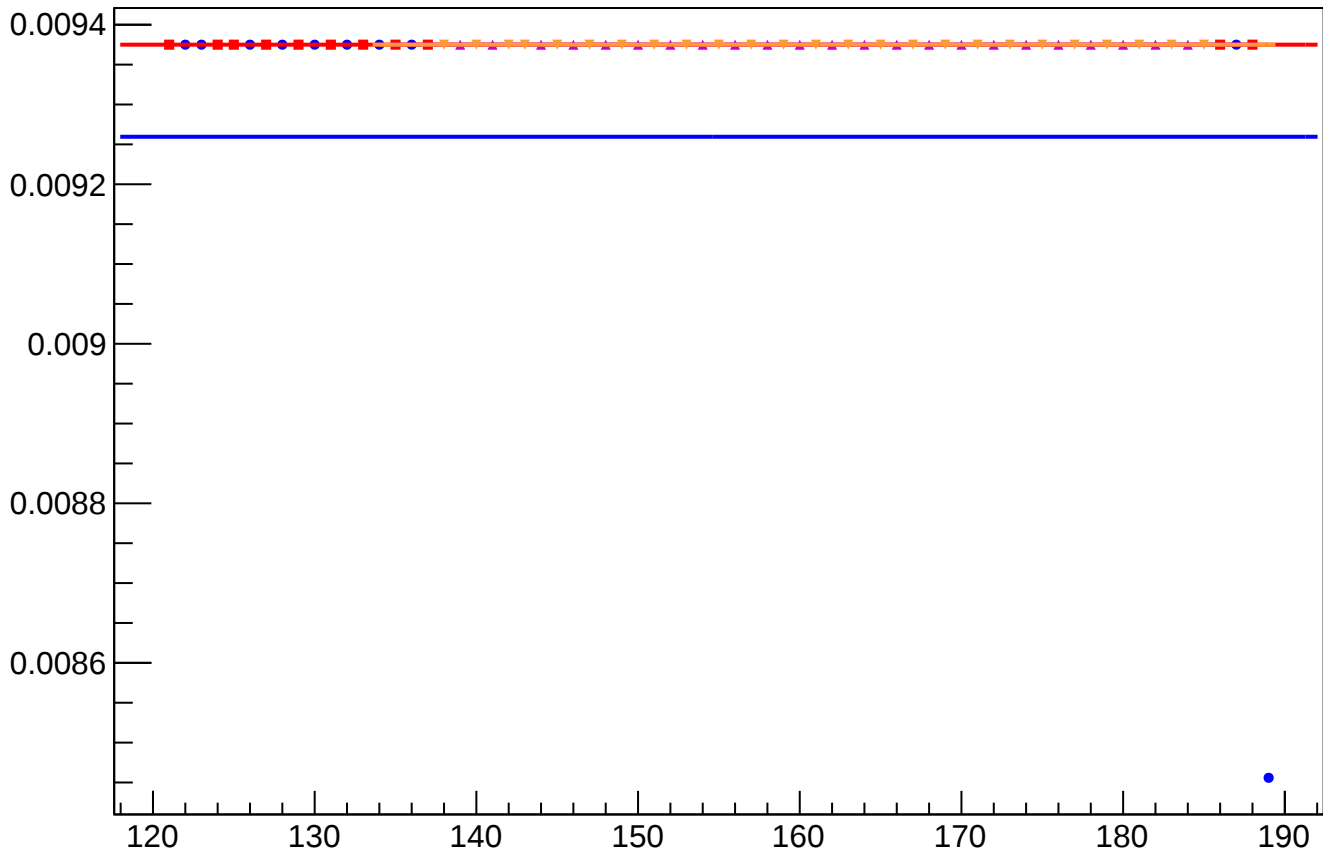
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42134906707176529

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42603468022096

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 37671655407852576596557824.0/9

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/10

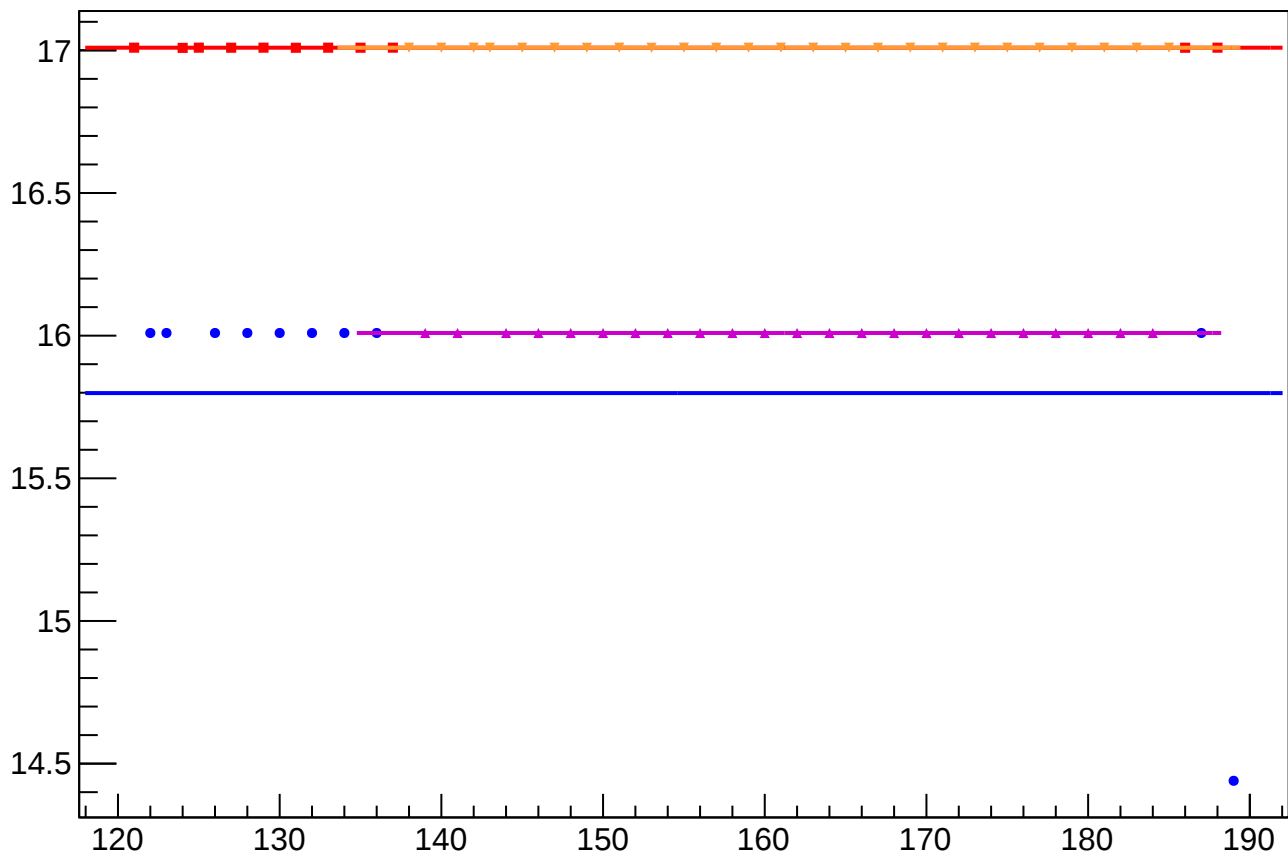
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42134906707176529

All: 0.009+/-0.000 χ^2/NDF : 42603468022096

- sign 0.009+/-0.000 χ^2/NDF : 0.2/33

IGL1I00DI24_24M_mean vs Slug



Right In: 15.799 $\pm$ 0.000 χ^2 /NDF: 108775450098059645296703598231552.0/9

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26284444608576238643052544.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 9986180366773979357118464.0/10

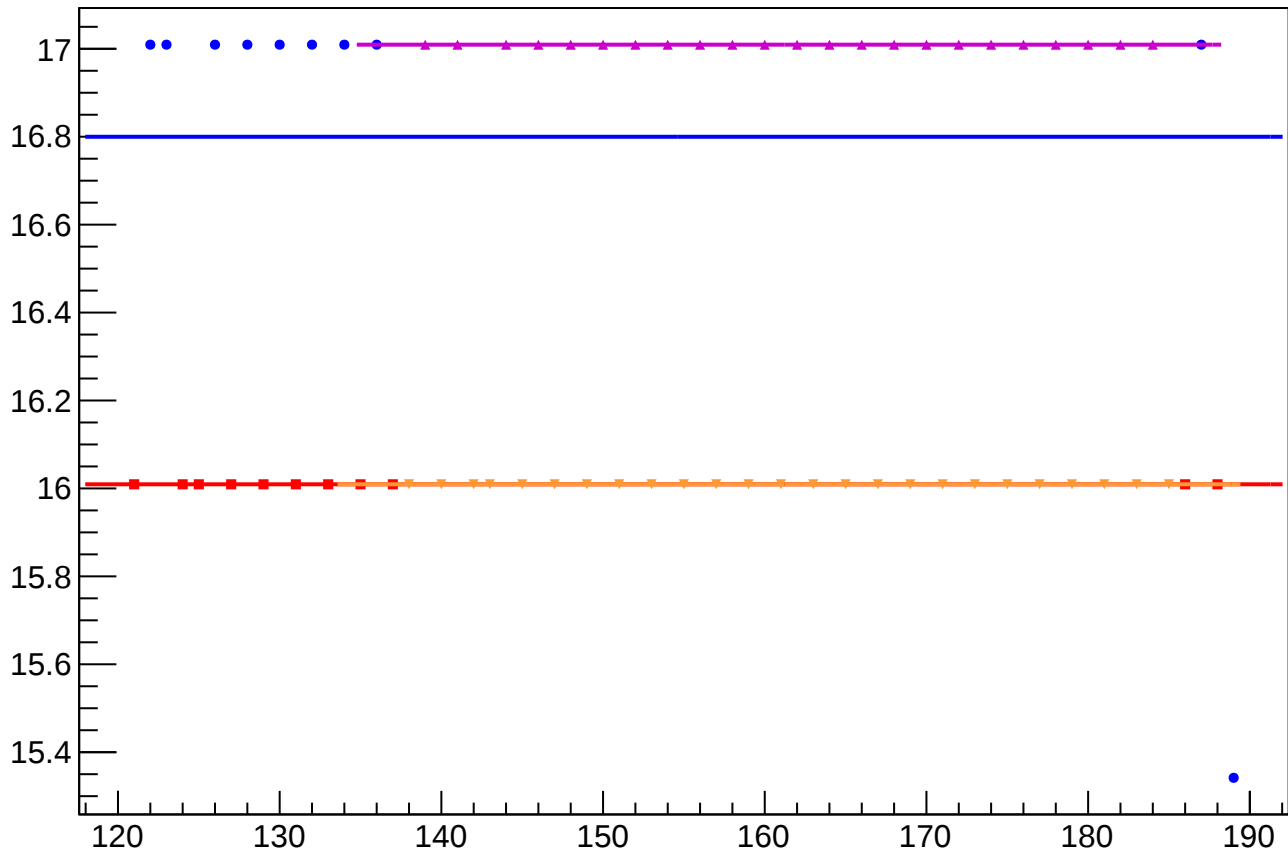
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127973174512756677672960.0/22

+ sign 16.796 $\pm$ 0.000 χ^2 /NDF: 5674380871123390

All: 16.508 $\pm$ 0.000 χ^2 /NDF: 1273180957070

- sign 16.214 $\pm$ 0.000 χ^2 /NDF: 3443188543693680

IGL1I00OD16_16_mean vs Slug



Right In: 16.800+/-0.000 χ^2/NDF : 124007760372804678512643332374528.0/9

Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24

Right Out: 16.009+/-0.000 χ^2/NDF : 144834.9/10

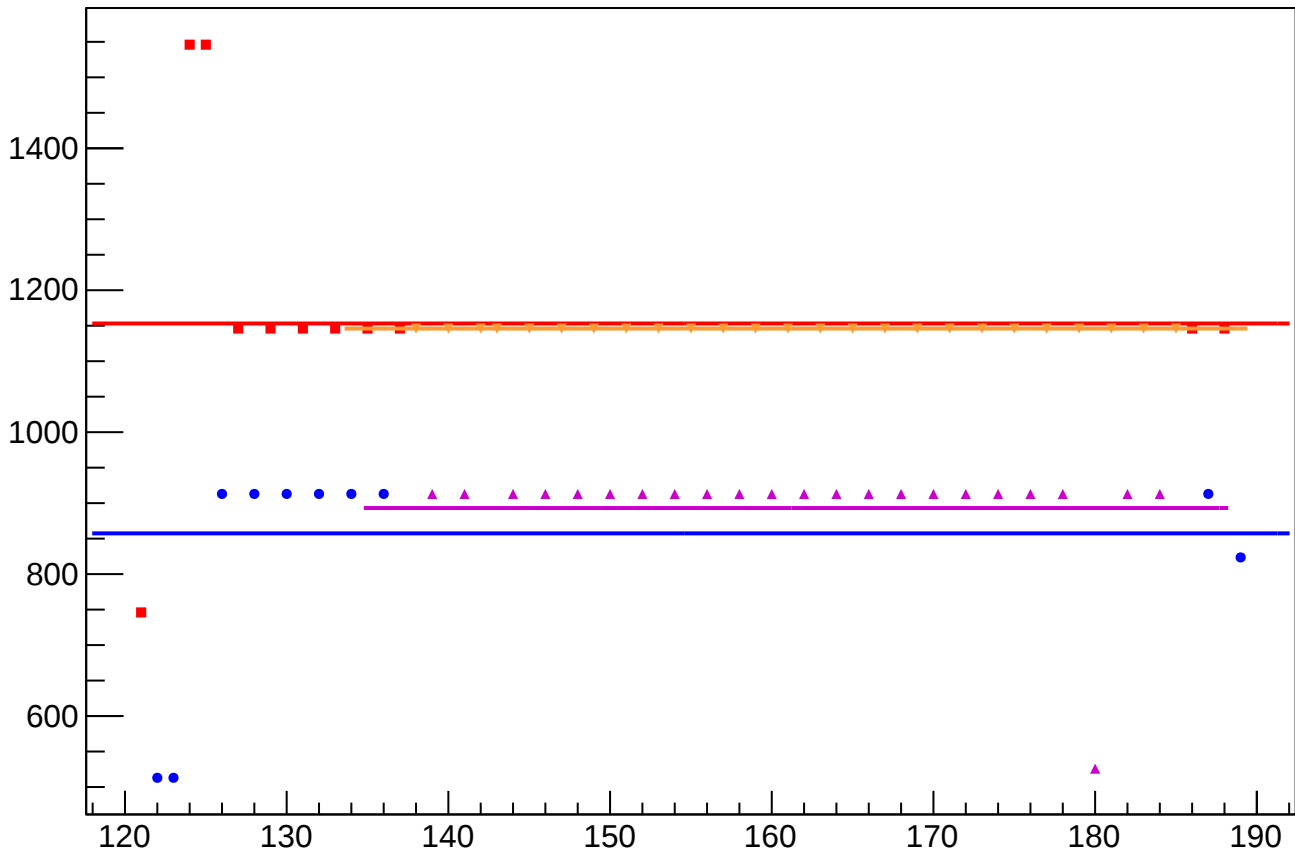
Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

+ sign 16.149+/-0.000 χ^2/NDF : 3327855324172898

All: 16.472+/-0.000 χ^2/NDF : 1177368333179

- sign 16.807+/-0.000 χ^2/NDF : 3579824803644357

RTPAPOSUCNT_mean vs Slug



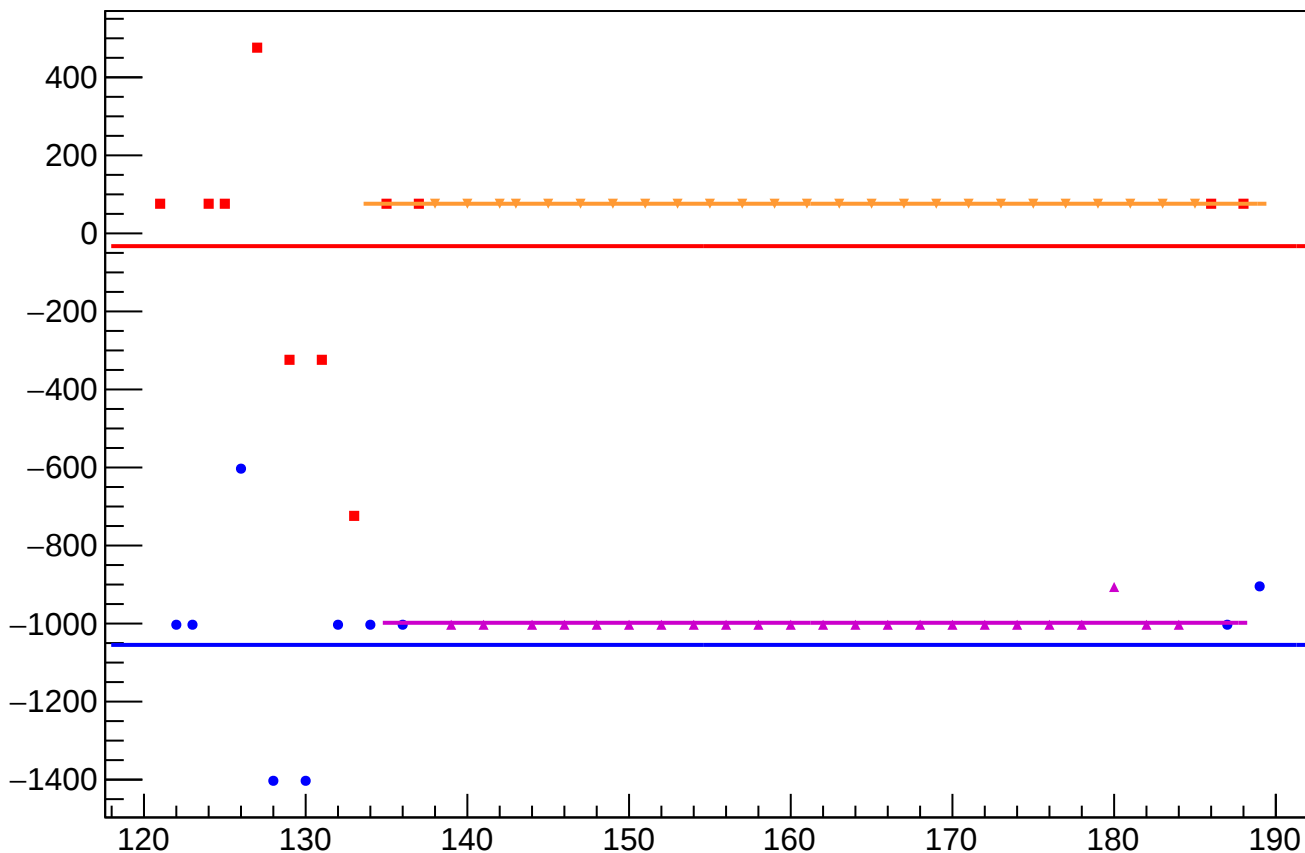
Right In: 857.414+/-0.000 χ^2/NDF : 6354508219207121827863428688842326016.0/9

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

Right Out: 1153.137+/-0.000 χ^2/NDF : 13737861351801416055381959770321715200.0/10

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1054.676+/-0.000 χ^2/NDF : 22608131434739457083296378094400569344.0/9

Left Out: 76.011+/-0.000 χ^2/NDF : 11003263624957134120836661248.0/24

Right Out: -32.676+/-0.000 χ^2/NDF : 41735832039784643419524751117523091456.0/10

Left In: -998.020+/-0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22

+ sign -122.201+/-0.000 χ^2/NDF : 45066938741489

All: -460.031+/-0.000 χ^2/NDF : 13637183672

- sign -806.233+/-0.000 χ^2/NDF : 377852266171552