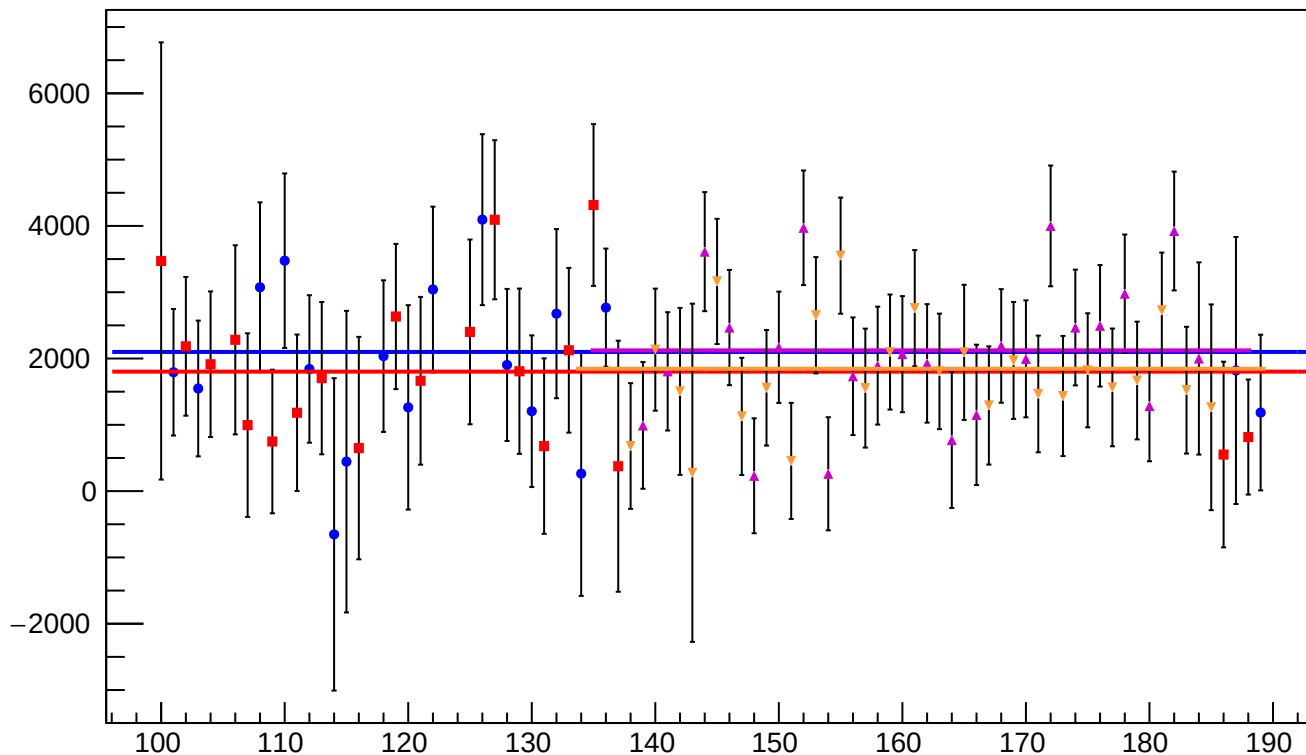


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2099.413+/-294.712

Left Out: 1845.799+/-186.902

Right Out: 1802.417+/-278.931

Left In: 2123.138+/-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

Left: 1983.152+/-132.785

Right: 1942.751+/-202.583

In: 2116.241+/-158.906

Out: 1832.356+/-155.268

All: 1971.011+/-111.055

χ^2/NDF : 48.6/47

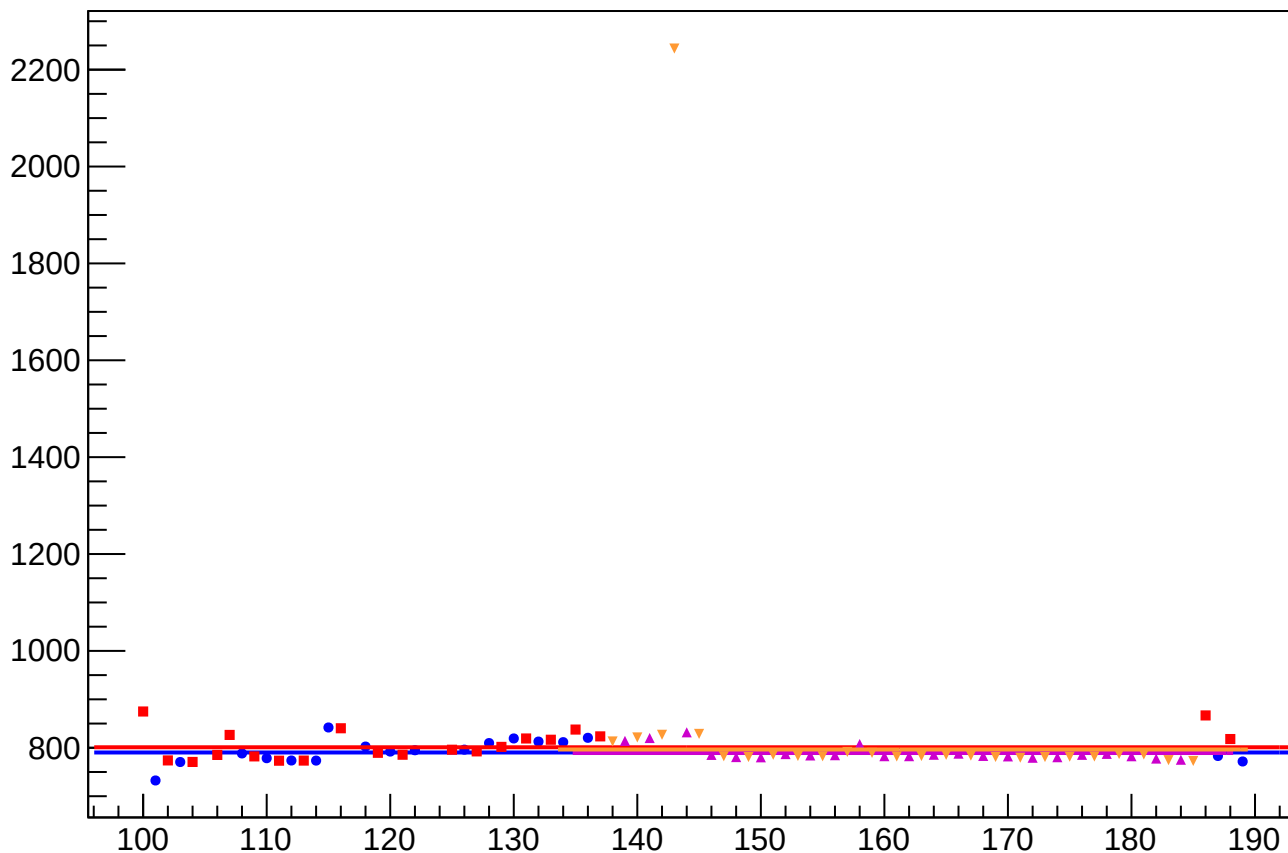
χ^2/NDF : 25.5/37

χ^2/NDF : 42.3/40

χ^2/NDF : 30.2/44

χ^2/NDF : 74.1/85

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 790.276 $\pm$ 0.208 χ^2 /NDF: 15691.6/17

Left Out: 796.441 $\pm$ 0.132 χ^2 /NDF: 658708.8/24

Right Out: 801.018 $\pm$ 0.197 χ^2 /NDF: 17326.4/19

Left In: 789.185 $\pm$ 0.133 χ^2 /NDF: 11343.2/22

Left: 792.847 $\pm$ 0.094 χ^2 /NDF: 671545.0/47

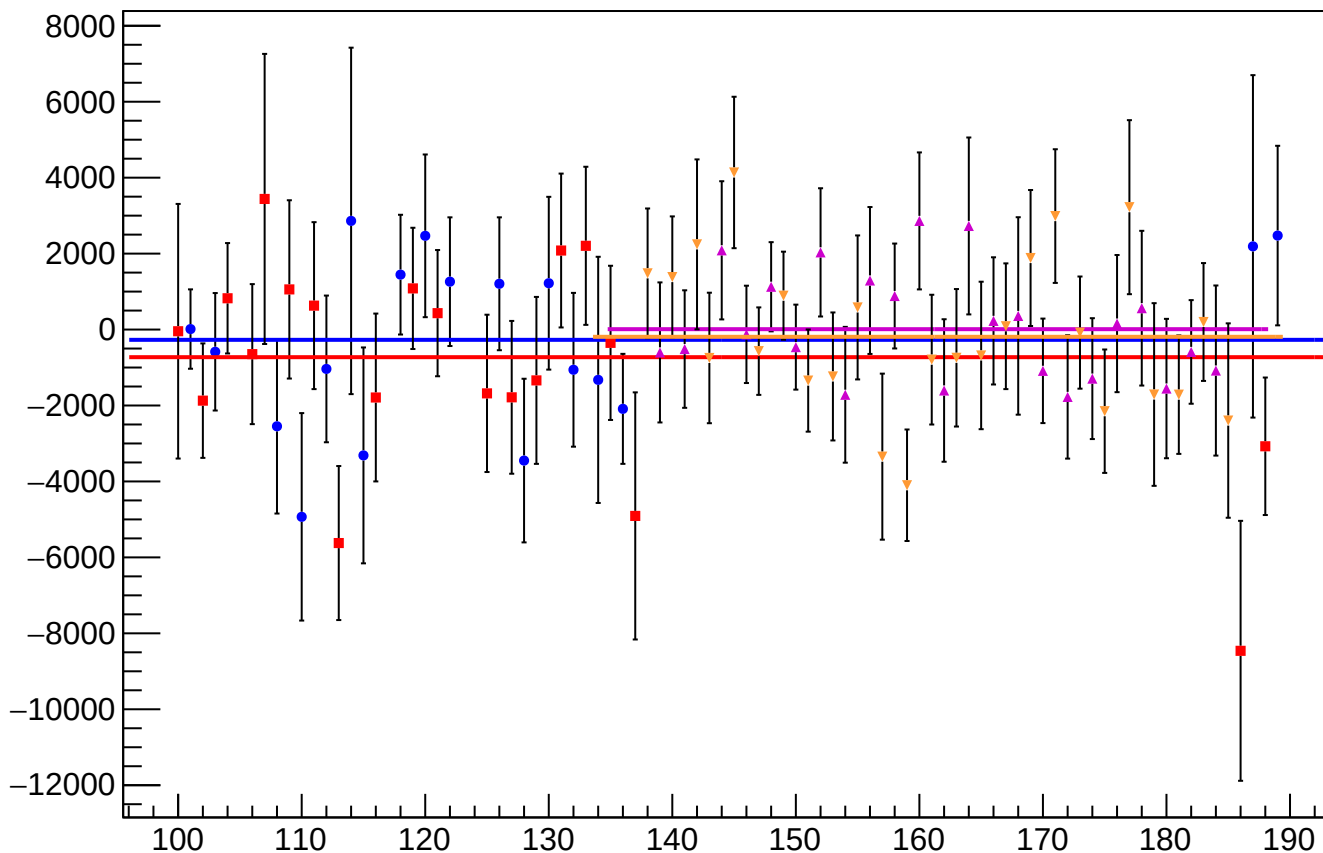
Right: 795.943 $\pm$ 0.143 χ^2 /NDF: 34419.5/37

In: 789.502 $\pm$ 0.112 χ^2 /NDF: 27054.3/40

Out: 797.859 $\pm$ 0.110 χ^2 /NDF: 676406.9/44

All: 793.777 $\pm$ 0.079 χ^2 /NDF: 706291.2/85

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: -270.645 $\pm$ 454.366 χ^2 /NDF: 16.2/17

Left Out: -191.027 $\pm$ 333.904 χ^2 /NDF:30.1/24

Right Out: -727.436 $\pm$ 454.340 χ^2 /NDF: 24.7/19

Left In: 10.093 $\pm$ 337.810 χ^2 /NDF:14.2/22

Left: -91.637 $\pm$ 237.475 χ^2 /NDF: 44.5/47

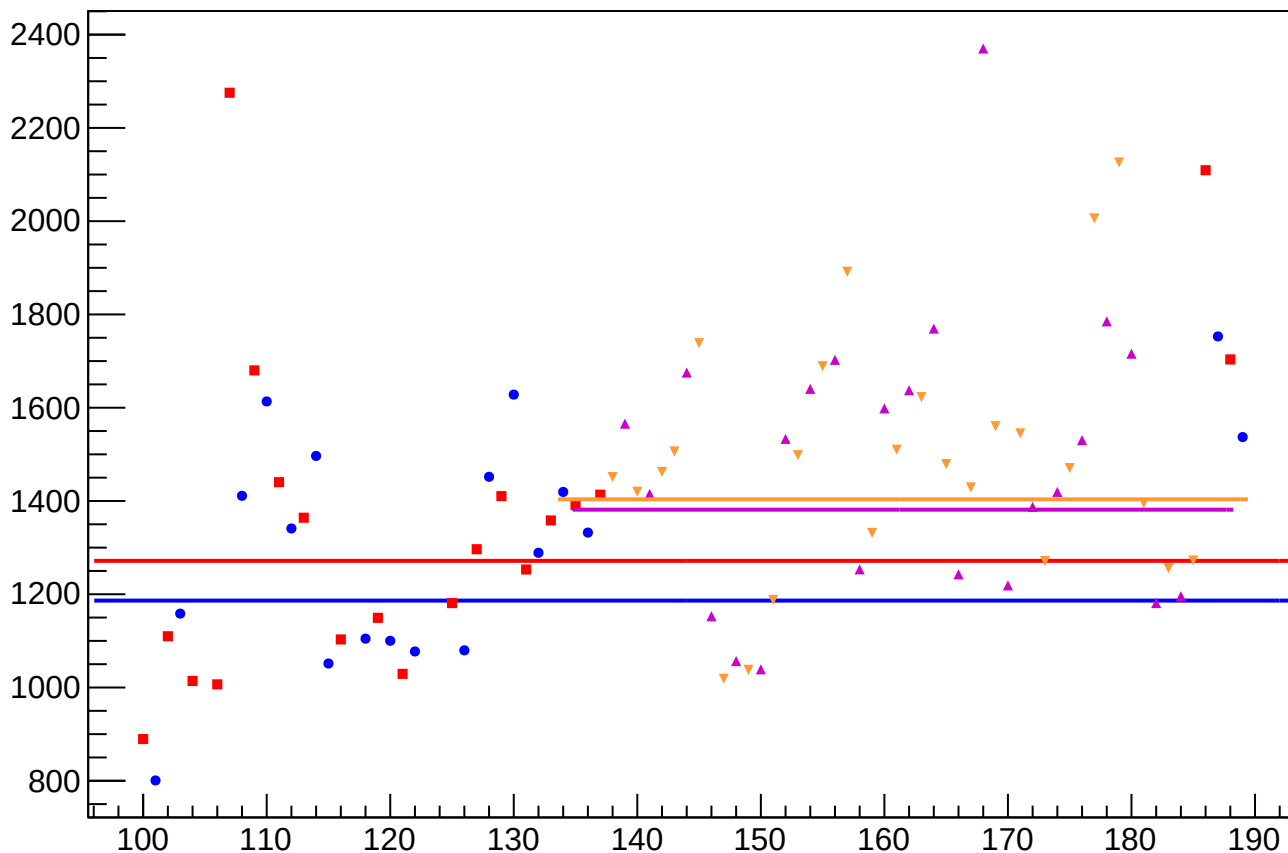
Right: -499.054 $\pm$ 321.276 χ^2 /NDF: 41.4/37

In: -89.845 $\pm$ 271.095 χ^2 /NDF:30.7/40

Out: -379.143 $\pm$ 269.058 χ^2 /NDF:55.7/44

All: -235.585 $\pm$ 190.969 χ^2 /NDF: 86.9/85

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left: 1392.613 $\pm$ 0.168 χ^2 /NDF: 2407402.2/47

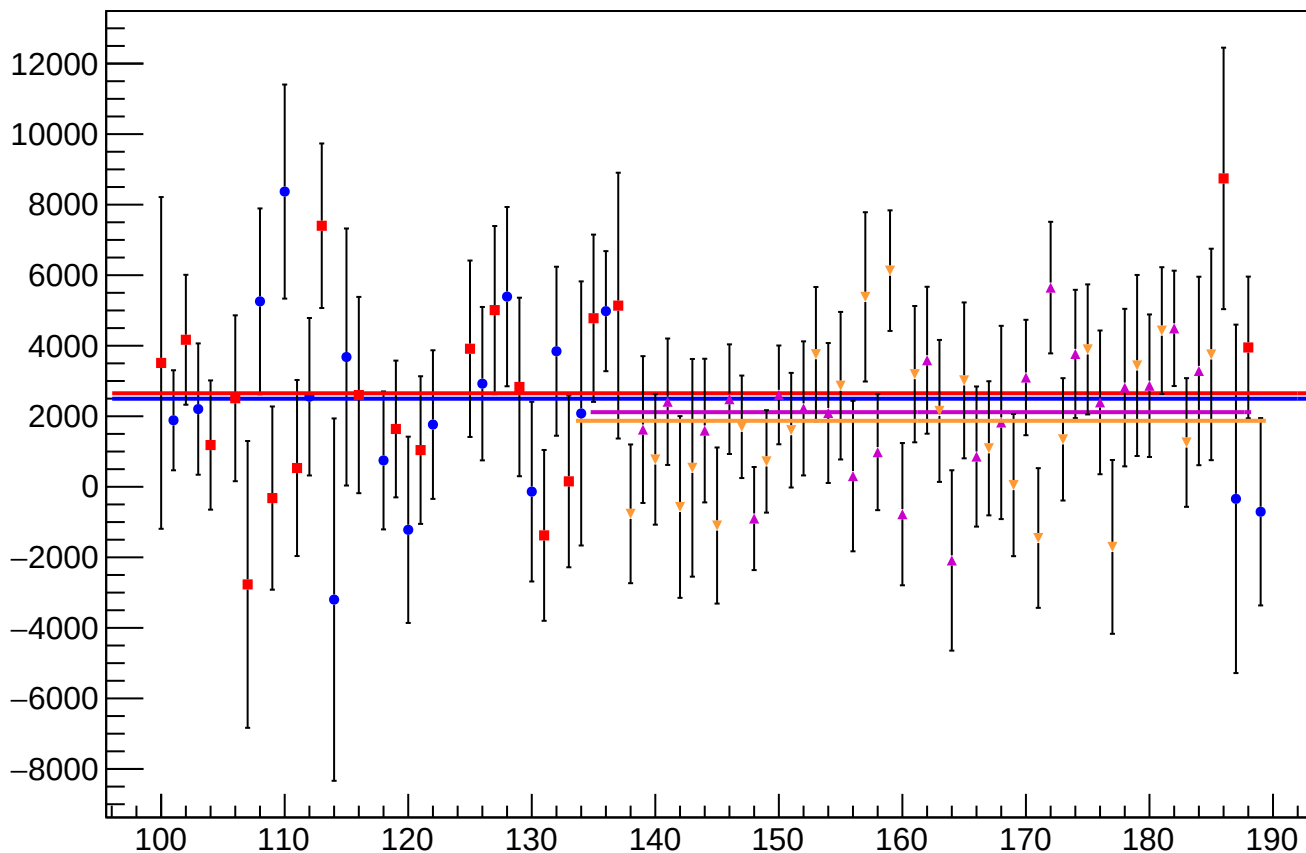
Right: 1229.020 $\pm$ 0.227 χ^2 /NDF: 1337629.0/37

In: 1311.958 $\pm$ 0.192 χ^2 /NDF: 2122516.4/40

Out: 1357.325 $\pm$ 0.190 χ^2 /NDF: 1929647.2/44

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

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2497.331 $\pm$ 552.510 χ^2 /NDF: 15.9/17

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

Right Out: 2651.808 $\pm$ 542.738 χ^2 /NDF: 19.6/19

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

Left: 1993.467 $\pm$ 277.425 χ^2 /NDF: 45.1/47

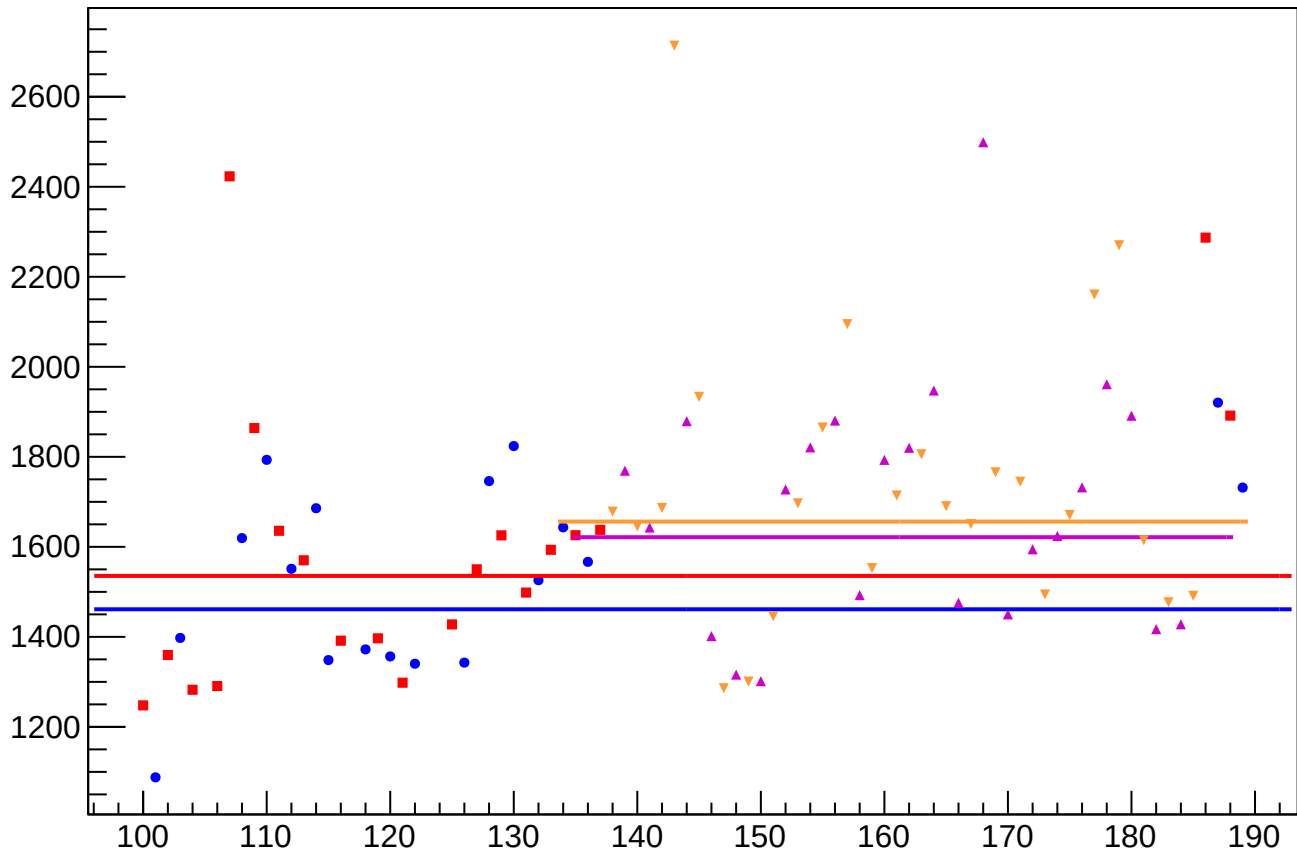
Right: 2575.948 $\pm$ 387.182 χ^2 /NDF: 35.6/37

In: 2244.188 $\pm$ 320.247 χ^2 /NDF:35.0/40

Out: 2138.816 $\pm$ 317.611 χ^2 /NDF:47.1/44

All: 2191.067 $\pm$ 225.511 χ^2 /NDF: 82.2/85

asym_us_avg_rms vs Slug, Sign Corrected



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

Left: 1638.826+/-0.196 χ^2/NDF : 1693706.9/47

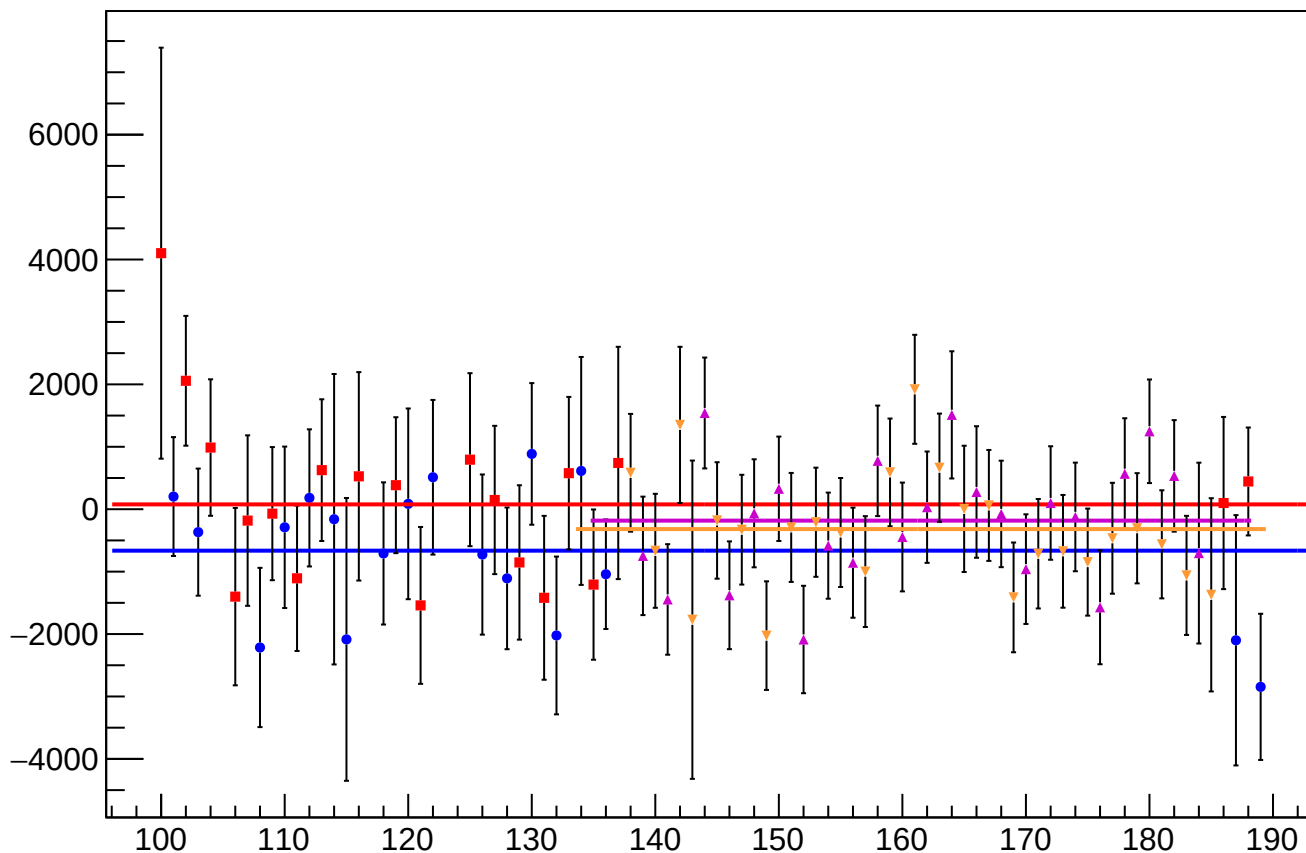
Right: 1499.005+/-0.274 χ^2/NDF : 751799.2/37

In: 1567.618+/-0.226 χ^2/NDF : 1205283.5/40

Out: 1614.779+/-0.225 χ^2/NDF : 1390698.8/44

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

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -664.090±/292.304 χ^2/NDF : 12.5/17

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

Right Out: 77.234±/276.380 χ^2/NDF : 13.8/19

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

Left: -251.259±/132.174 χ^2/NDF : 46.8/47

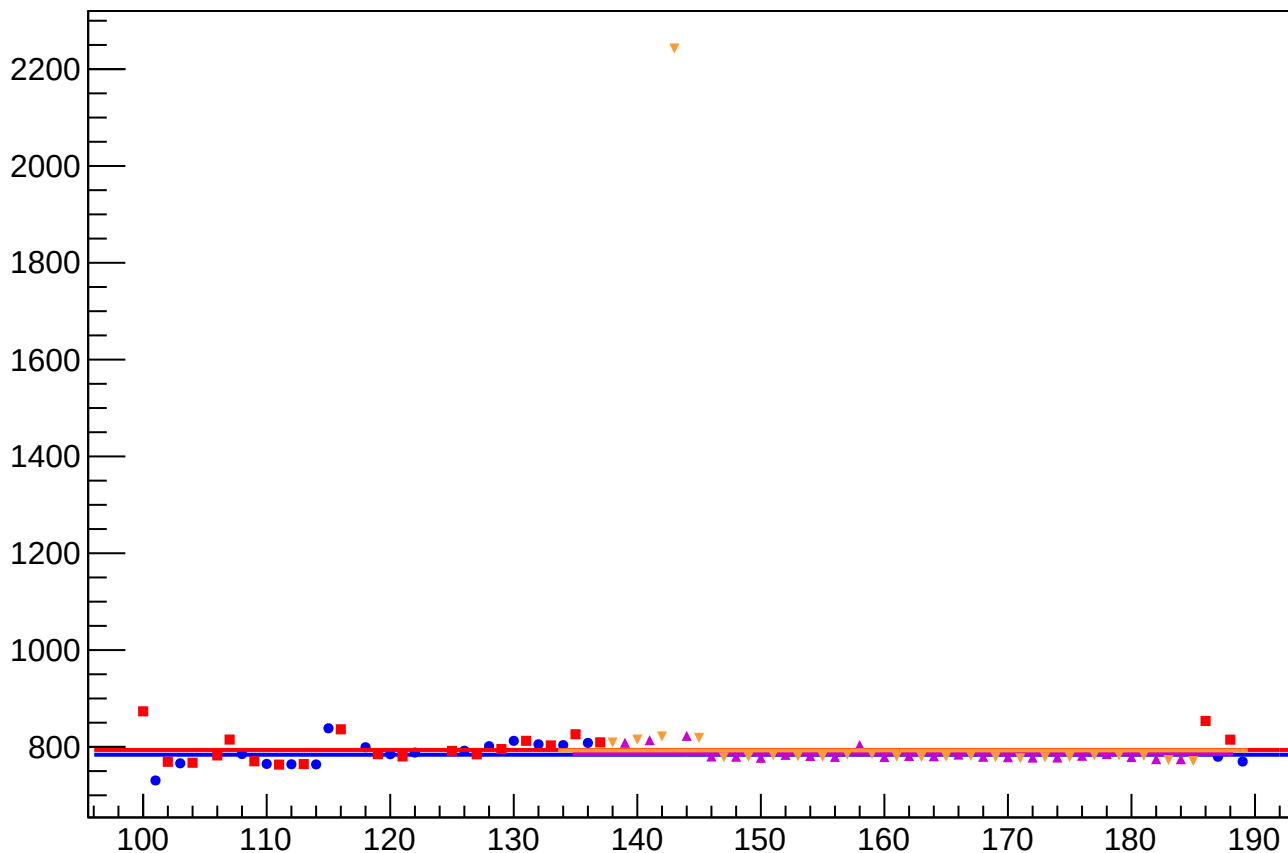
Right: -272.686±/200.824 χ^2/NDF : 29.7/37

In: -323.507±/158.011 χ^2/NDF : 40.5/40

Out: -194.989±/154.333 χ^2/NDF : 35.6/44

All: -257.735±/110.407 χ^2/NDF : 76.4/85

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left: 789.226 $\pm$ 0.093 χ^2 /NDF: 670367.6/47

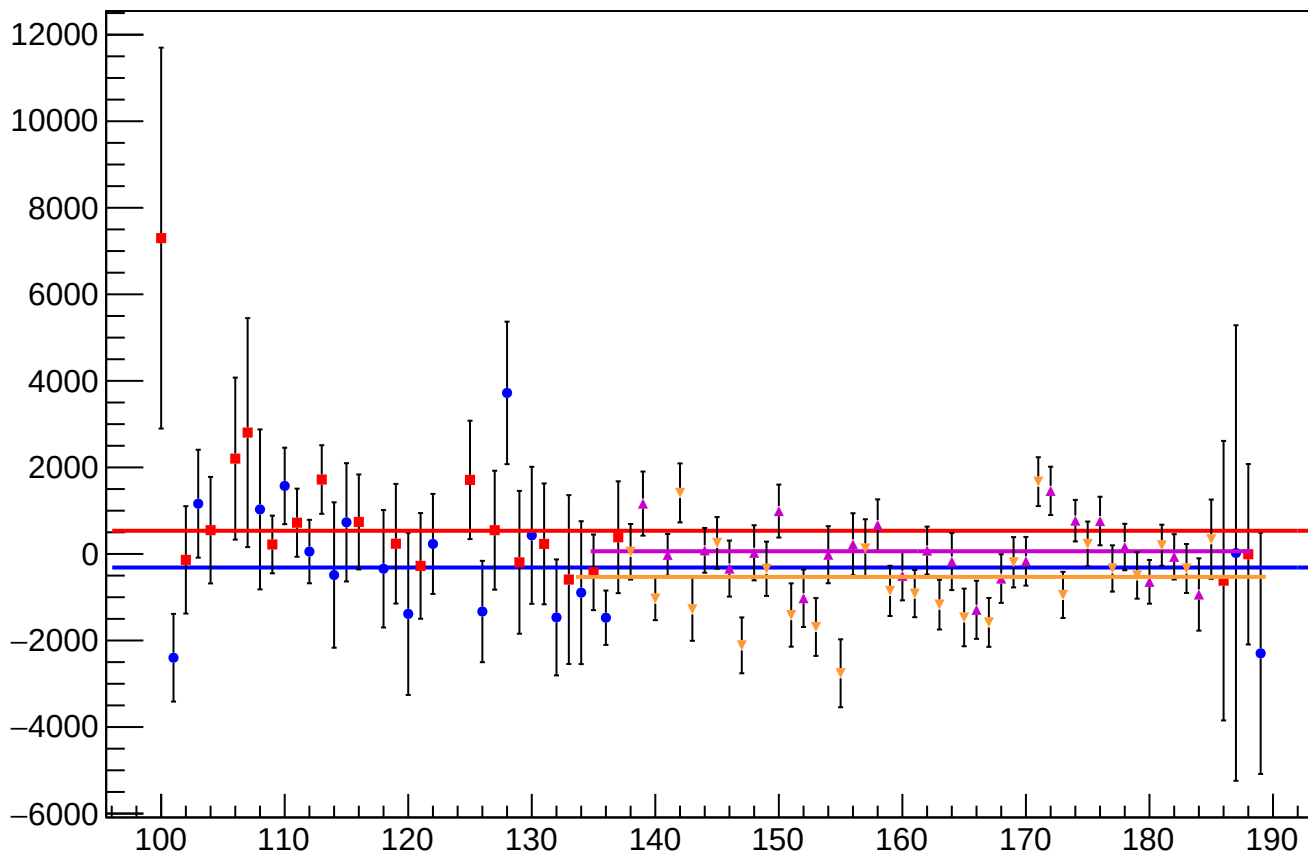
Right: 789.071 $\pm$ 0.142 χ^2 /NDF: 31930.3/37

In: 785.086 $\pm$ 0.112 χ^2 /NDF:23562.1/40

Out: 793.084 $\pm$ 0.109 χ^2 /NDF:676114.8/44

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

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -313.258 $\pm$ 281.338 χ^2 /NDF: 23.9/17

Left Out: -530.101 $\pm$ 119.543 χ^2 /NDF:61.6/24

Right Out: 535.639 $\pm$ 270.055 χ^2 /NDF: 10.0/19

Left In: 62.768 $\pm$ 122.045 χ^2 /NDF:28.8/22

Left: -239.807 $\pm$ 85.401 χ^2 /NDF: 102.5/47

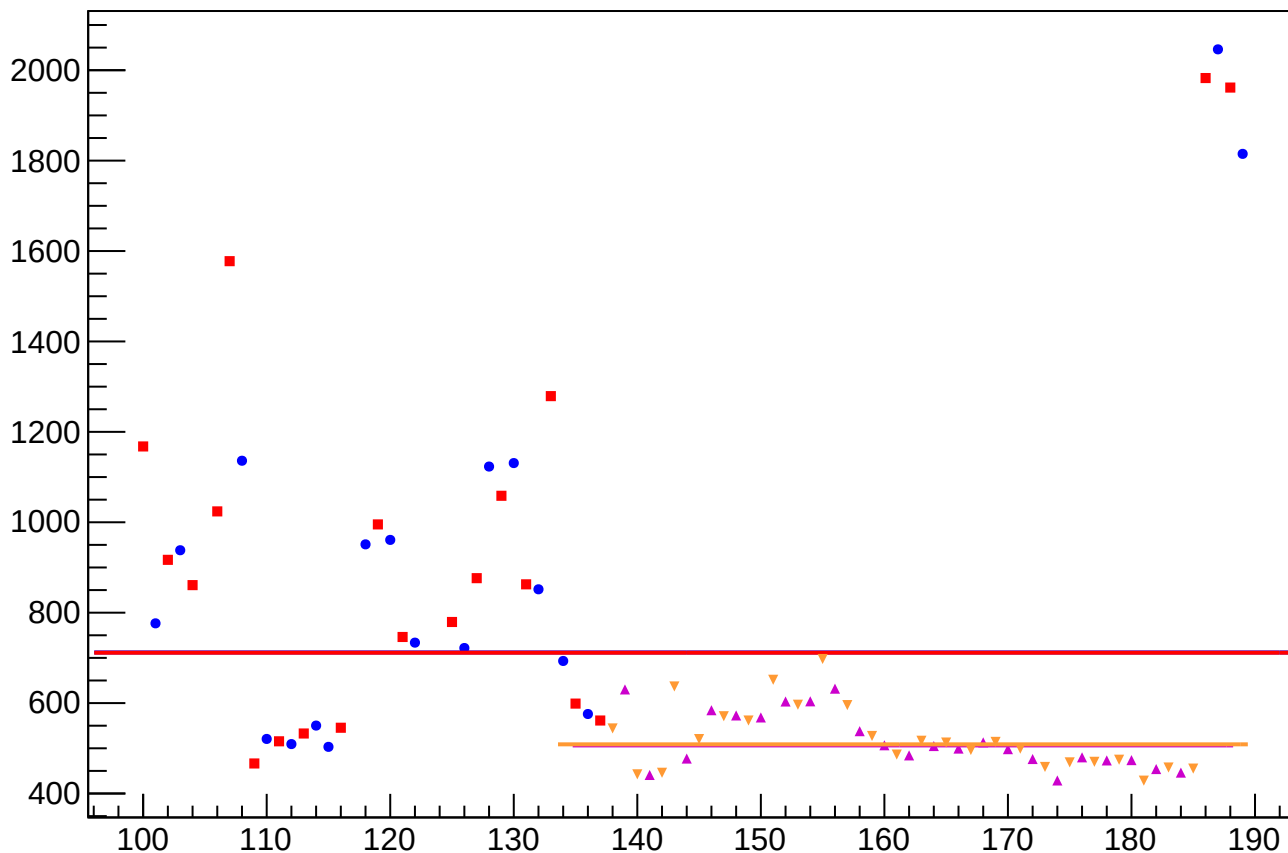
Right: 128.554 $\pm$ 194.824 χ^2 /NDF: 38.6/37

In: 3.212 $\pm$ 111.964 χ^2 /NDF:54.2/40

Out: -355.486 $\pm$ 109.312 χ^2 /NDF:84.6/44

All: -180.436 $\pm$ 78.216 χ^2 /NDF: 144.0/85

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left: 507.601+/-0.060 χ^2/NDF : 985931.7/47

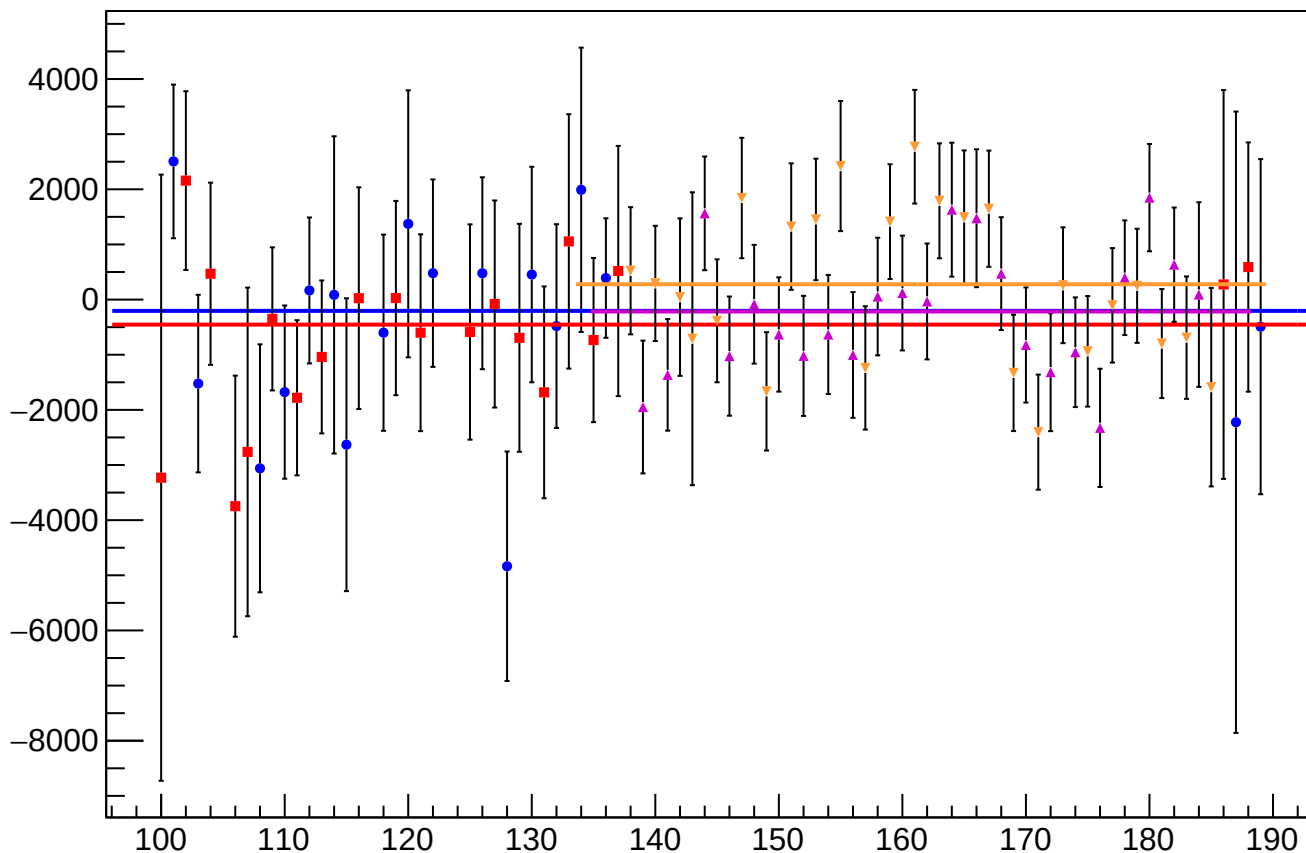
Right: 711.738+/-0.138 χ^2/NDF : 3818295.2/37

In: 538.953+/-0.079 χ^2/NDF : 2746935.8/40

Out: 541.982+/-0.077 χ^2/NDF : 3898406.0/44

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

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -204.703 $\pm$ 429.219 χ^2 /NDF: 14.9/17

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

Right Out: -454.116 $\pm$ 417.604 χ^2 /NDF: 8.3/19

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

Left: 33.207 $\pm$ 158.805 χ^2 /NDF: 65.2/47

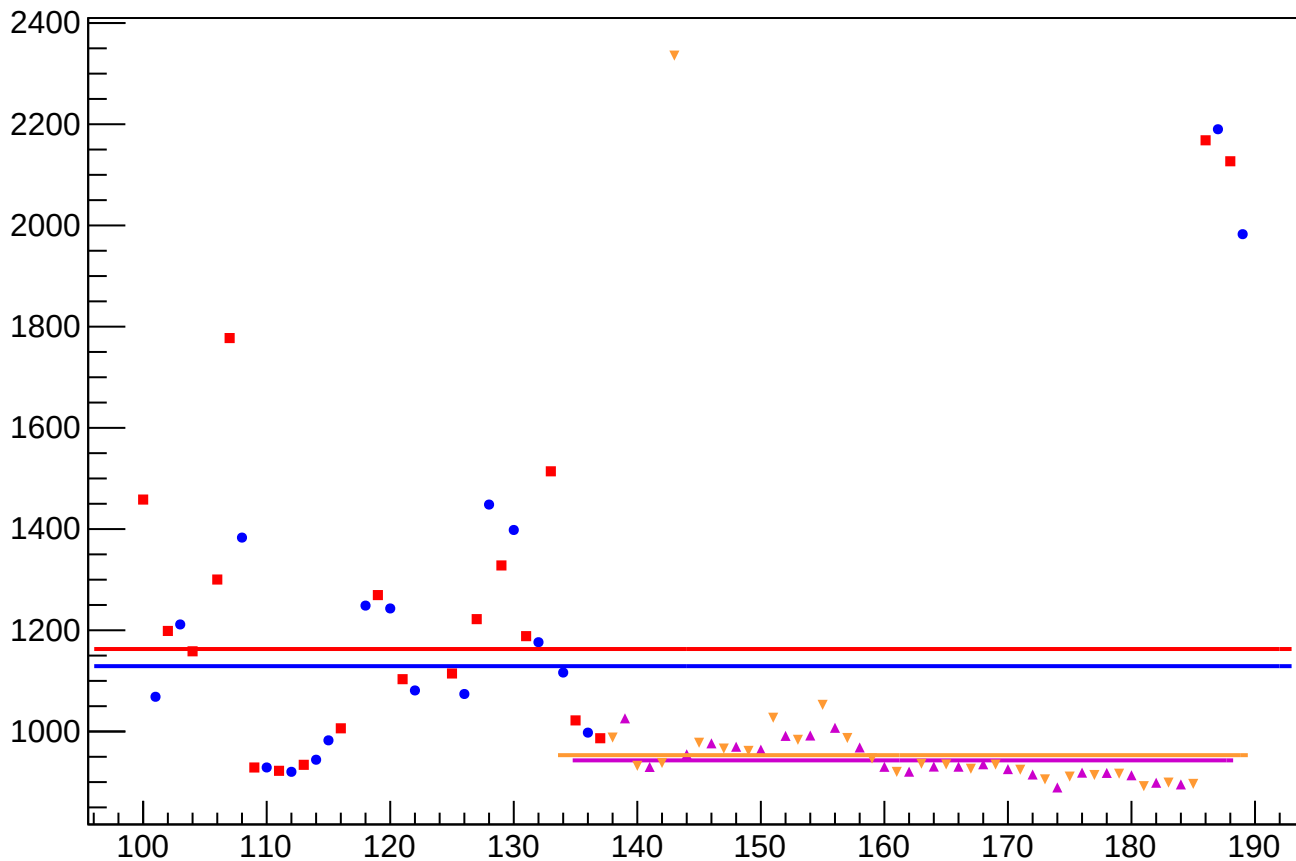
Right: -332.830 $\pm$ 299.312 χ^2 /NDF: 23.4/37

In: -213.649 $\pm$ 199.696 χ^2 /NDF:39.3/40

Out: 114.967 $\pm$ 197.109 χ^2 /NDF:49.1/44

All: -47.198 $\pm$ 140.283 χ^2 /NDF: 89.8/85

asym_us_dd_rms vs Slug, Sign Corrected



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

Left: 948.120 $\pm$ 0.112 χ^2 /NDF: 656777.0/47

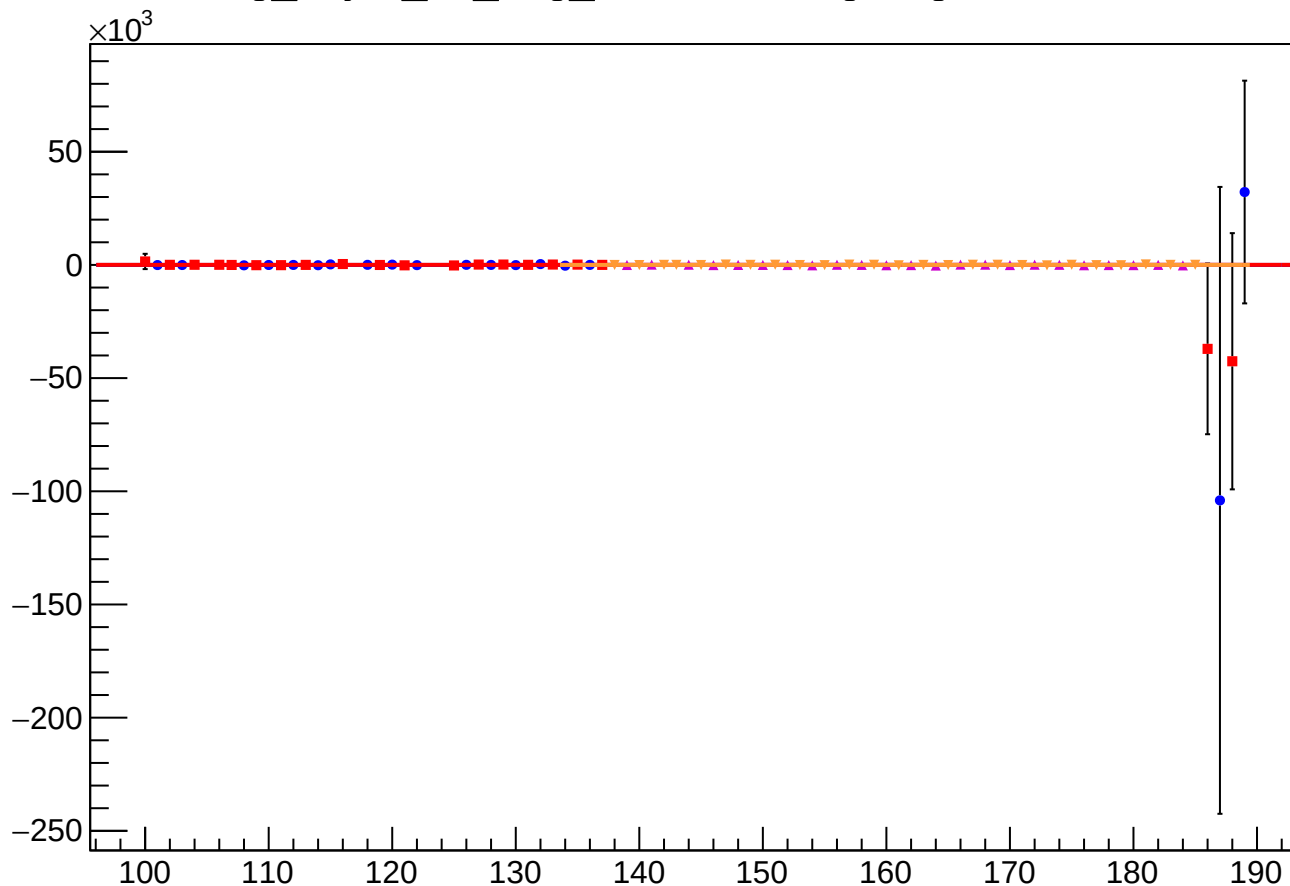
Right: 1146.515 $\pm$ 0.212 χ^2 /NDF: 1416609.6/37

In: 983.229 $\pm$ 0.141 χ^2 /NDF:836092.7/40

Out: 999.953 $\pm$ 0.139 χ^2 /NDF:1915869.0/44

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

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left: -8.784 ± 15.037 χ^2/NDF : 45.8/47

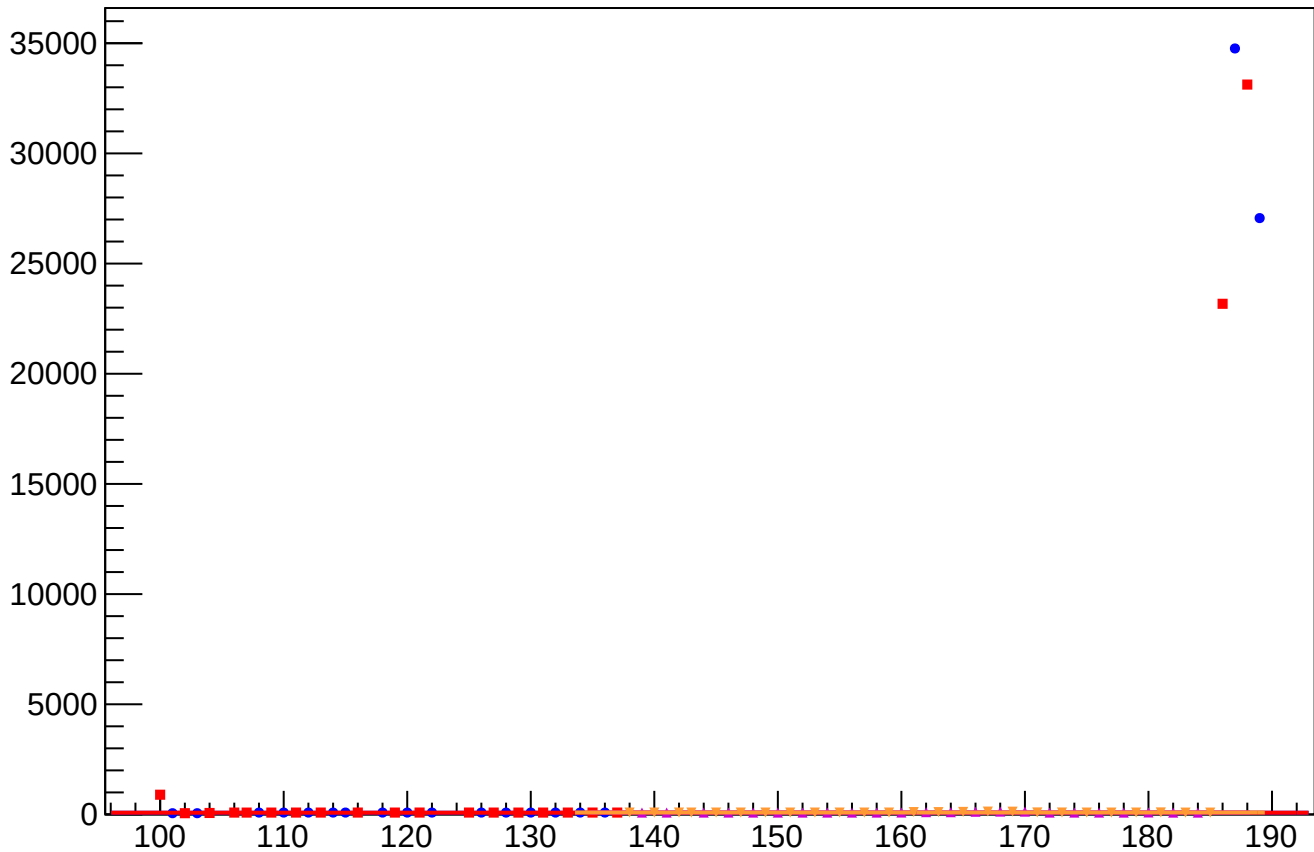
Right: 7.728 ± 21.397 χ^2/NDF : 36.5/37

In: -20.415 ± 17.527 χ^2/NDF : 39.5/40

Out: 13.272 ± 17.272 χ^2/NDF : 41.4/44

All: -3.325 ± 12.302 χ^2/NDF : 82.7/85

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left: 89.538 $\pm$ 0.011 χ^2 /NDF: 978869.2/47

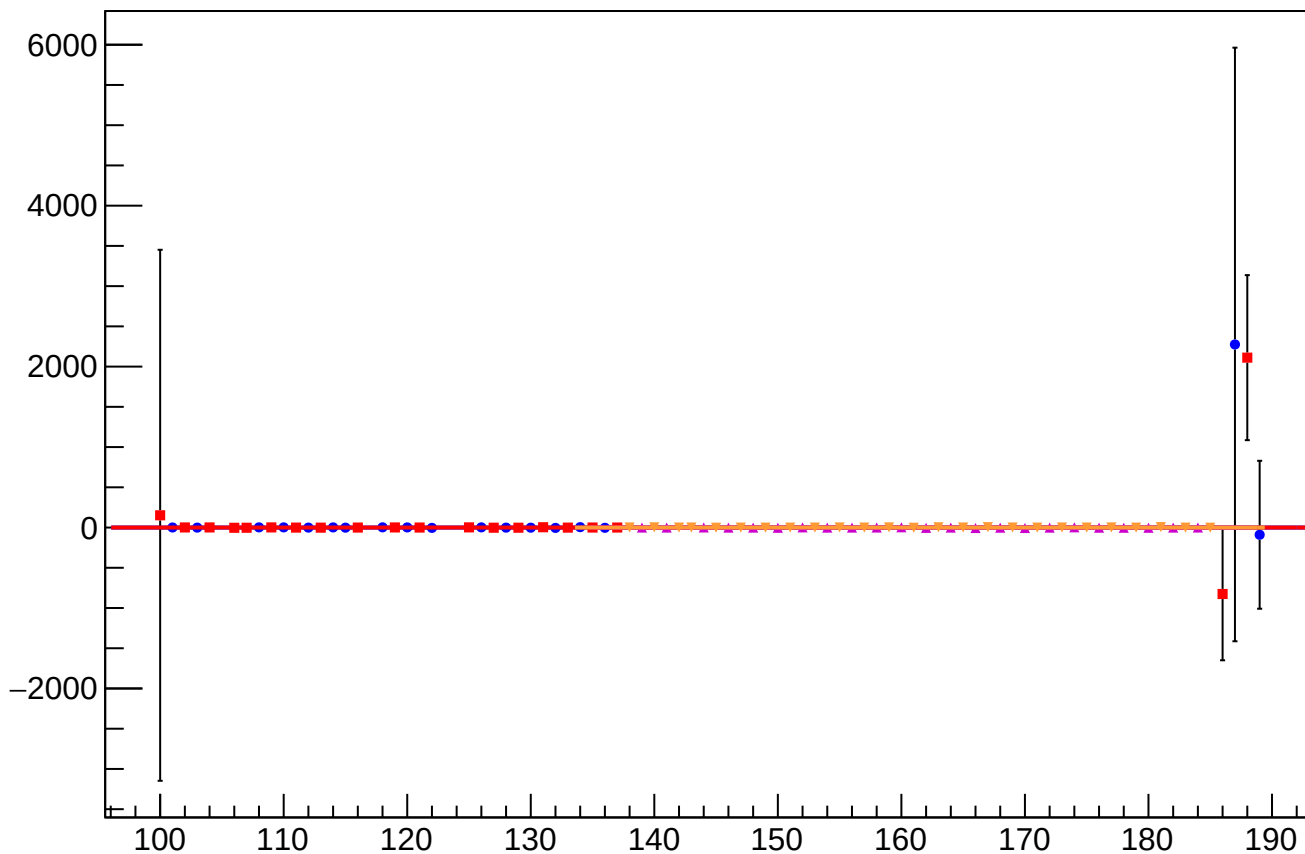
Right: 77.705 $\pm$ 0.015 χ^2 /NDF: 2985606.4/37

In: 84.987 $\pm$ 0.012 χ^2 /NDF: 1920829.7/40

Out: 86.246 $\pm$ 0.012 χ^2 /NDF: 2447845.0/44

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

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left: -0.175 ± 0.266 χ^2/NDF : 49.2/47

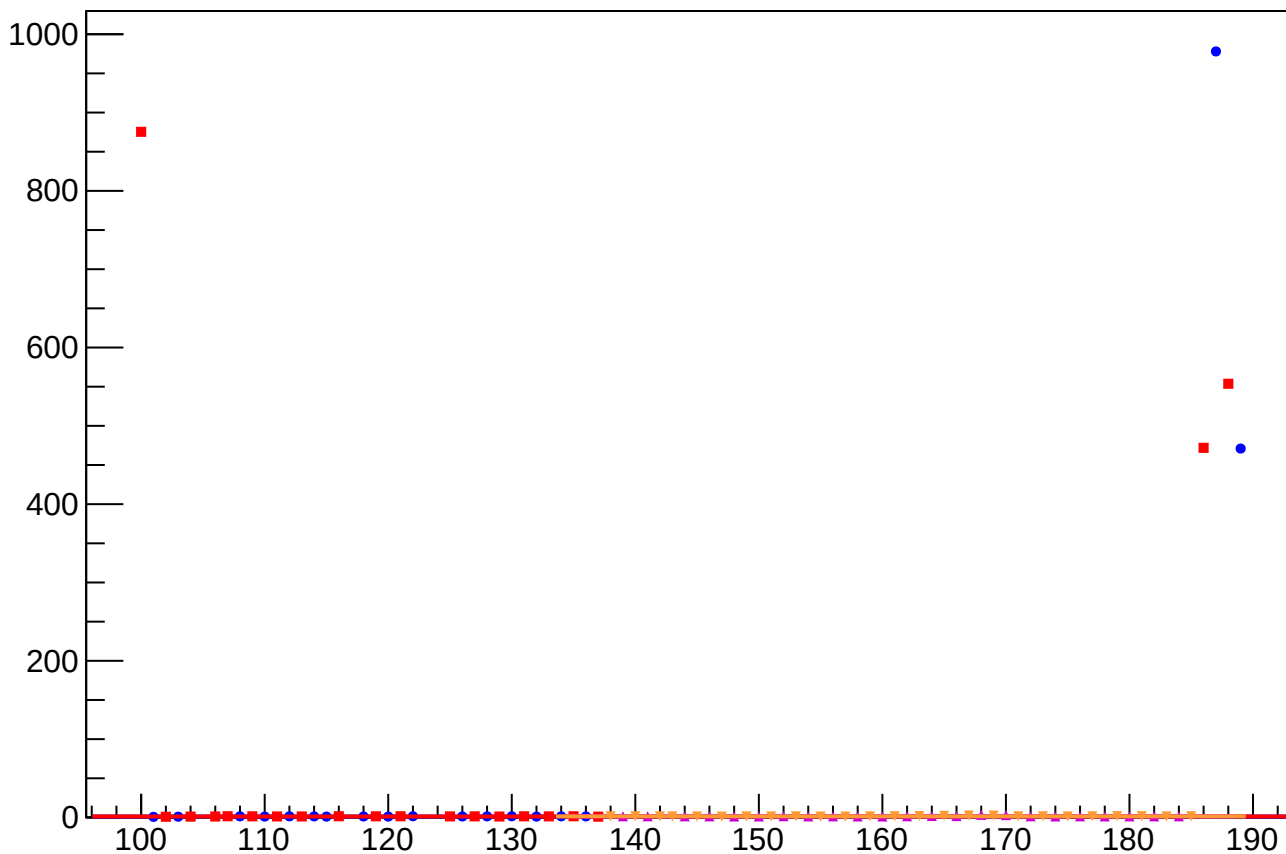
Right: -0.133 ± 0.363 χ^2/NDF : 36.7/37

In: -0.433 ± 0.306 χ^2/NDF : 47.8/40

Out: 0.103 ± 0.301 χ^2/NDF : 36.5/44

All: -0.160 ± 0.215 χ^2/NDF : 85.9/85

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left: 1.427+/-0.000 χ^2/NDF : 2005229.5/47

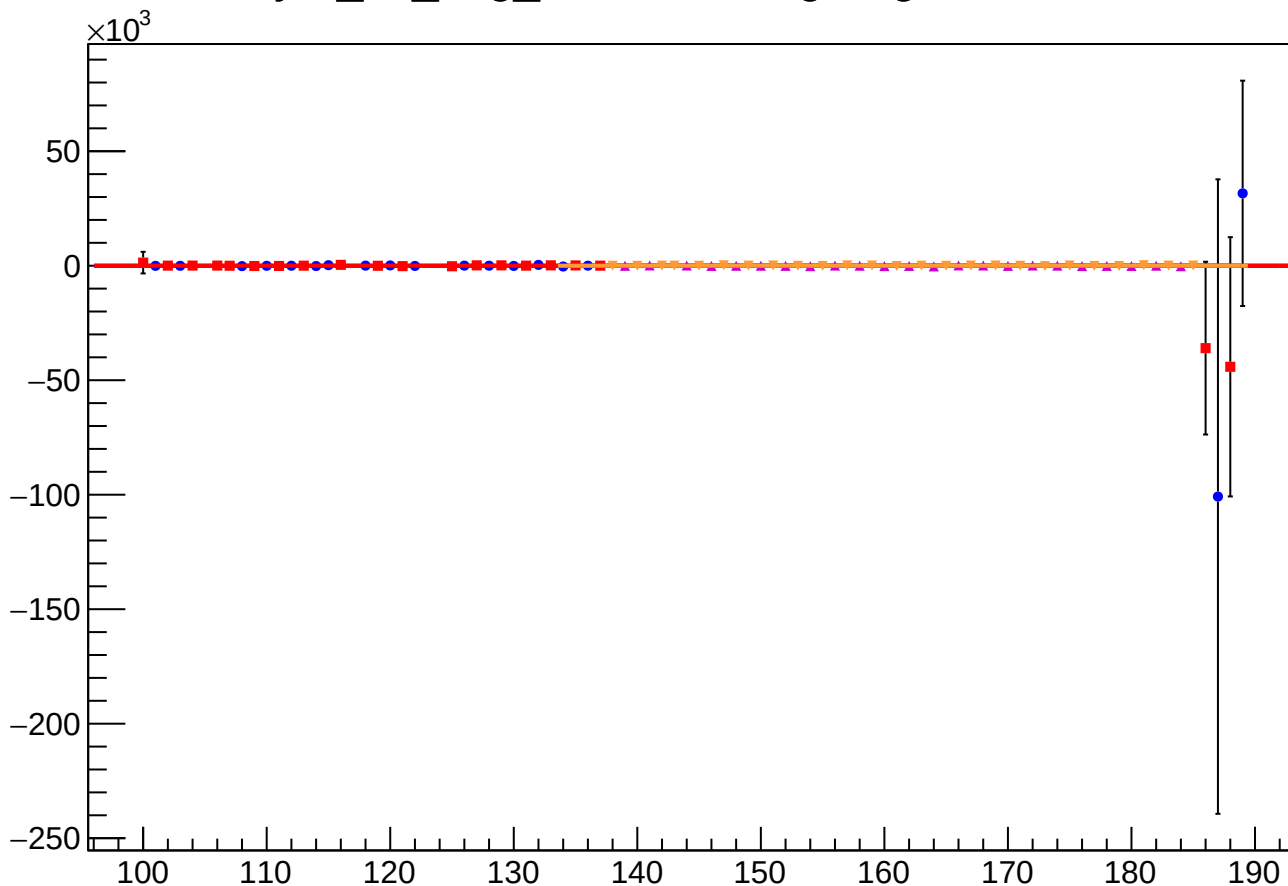
Right: 1.203+/-0.000 χ^2/NDF : 2935015.6/37

In: 1.341+/-0.000 χ^2/NDF : 2616246.2/40

Out: 1.357+/-0.000 χ^2/NDF : 2816991.6/44

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

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left: -8.619 ± 15.041 χ^2/NDF : 45.3/47

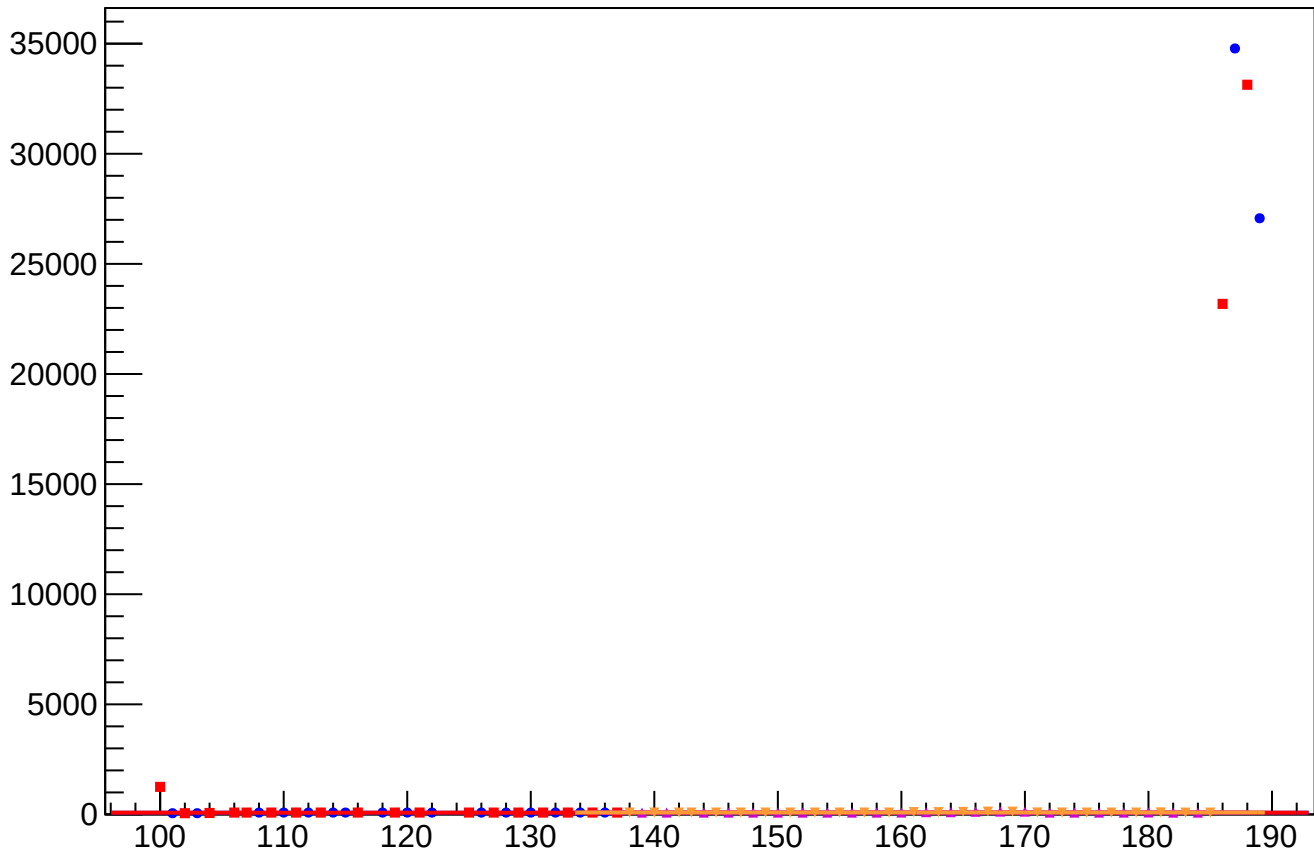
Right: 8.405 ± 21.402 χ^2/NDF : 36.6/37

In: -19.732 ± 17.532 χ^2/NDF : 39.5/40

Out: 13.267 ± 17.277 χ^2/NDF : 41.0/44

All: -2.991 ± 12.306 χ^2/NDF : 82.3/85

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left: 89.564+/-0.011 χ^2/NDF : 980500.8/47

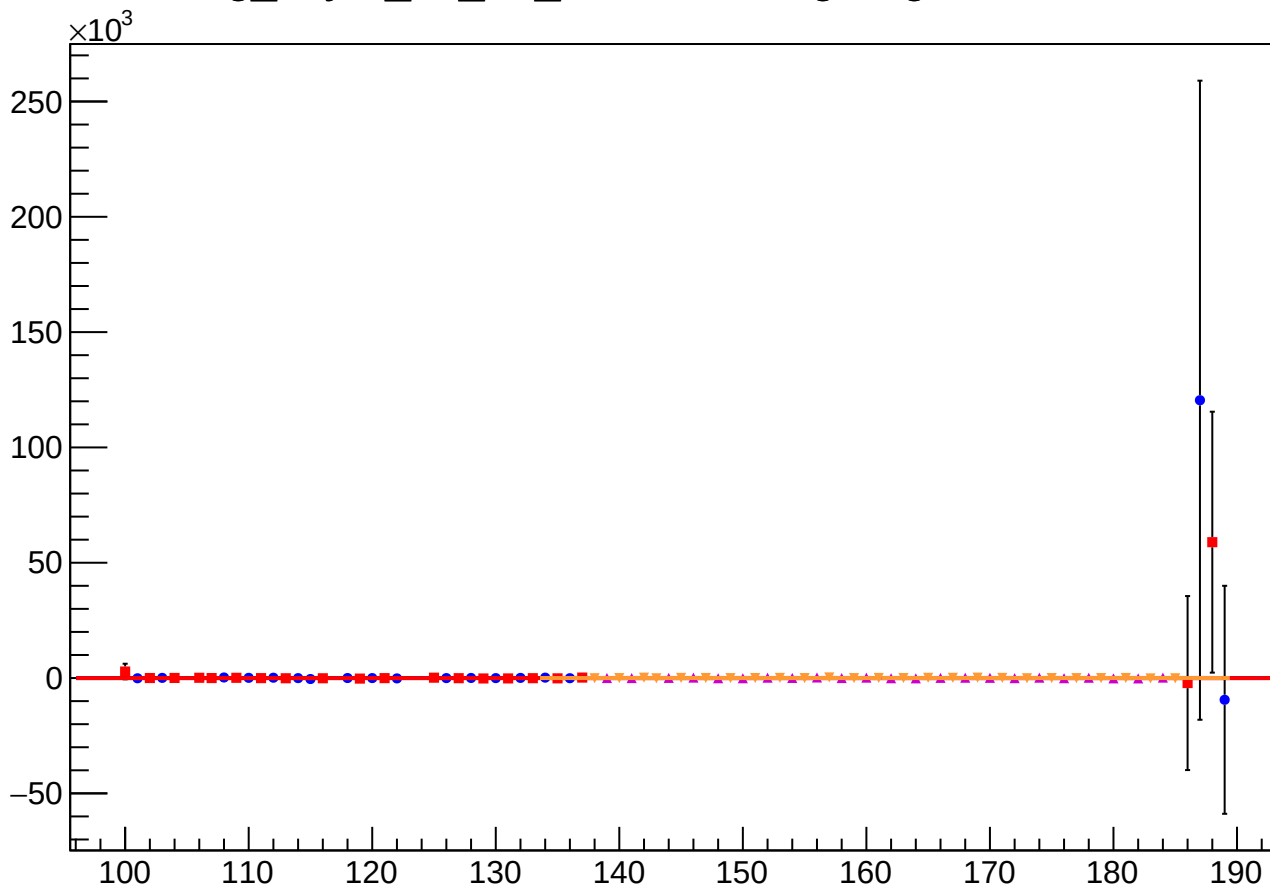
Right: 77.717+/-0.015 χ^2/NDF : 2992031.4/37

In: 85.011+/-0.012 χ^2/NDF : 1921853.1/40

Out: 86.265+/-0.012 χ^2/NDF : 2455721.3/44

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

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 31.4/22$

Left: 26.155 ± 15.042 $\chi^2/\text{NDF}: 51.2/47$

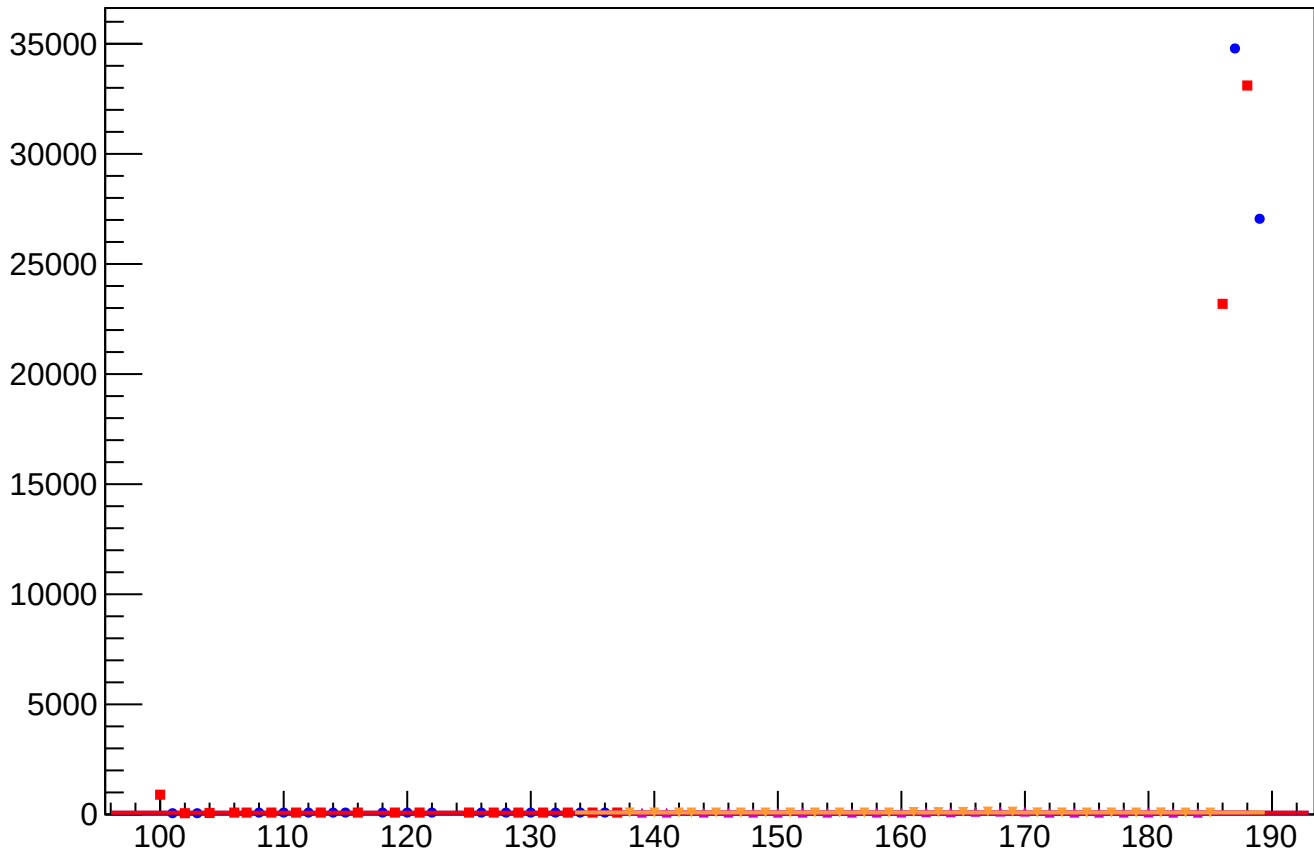
Right: -8.564 ± 21.383 $\chi^2/\text{NDF}: 29.3/37$

In: 31.381 ± 17.528 $\chi^2/\text{NDF}: 47.2/40$

Out: -1.571 ± 17.272 $\chi^2/\text{NDF}: 33.3/44$

All: 14.662 ± 12.303 $\chi^2/\text{NDF}: 82.3/85$

reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.016+/-0.021 χ^2/NDF : 1144359.5/17

Left Out: 89.507+/-0.015 χ^2/NDF : 468988.9/24

Right Out: 79.347+/-0.022 χ^2/NDF : 1828891.3/19

Left In: 89.628+/-0.015 χ^2/NDF : 511042.3/22

Left: 89.566+/-0.011 χ^2/NDF : 980063.3/47

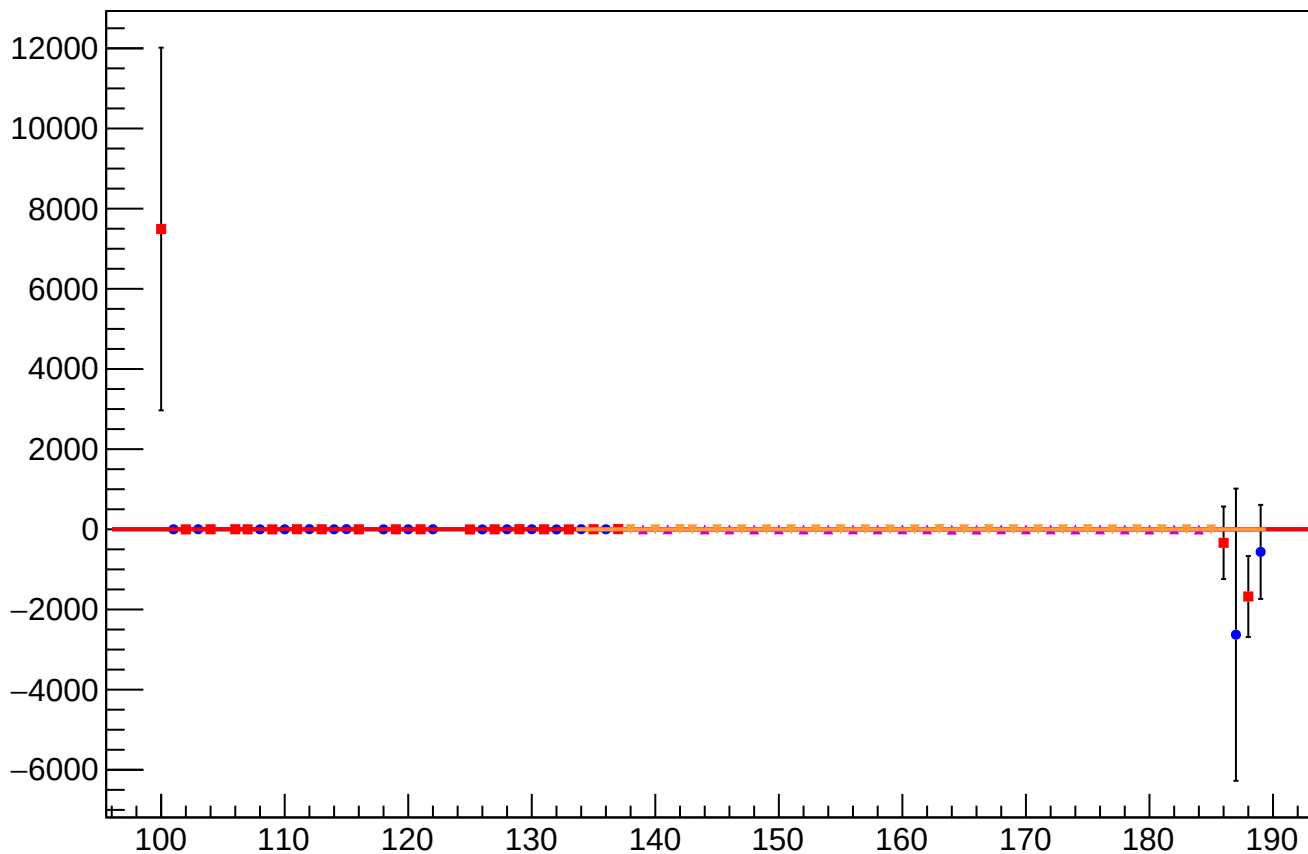
Right: 77.656+/-0.015 χ^2/NDF : 2985384.4/37

In: 84.985+/-0.012 χ^2/NDF : 1926479.2/40

Out: 86.243+/-0.012 χ^2/NDF : 2448784.1/44

All: 85.623+/-0.009 χ^2/NDF : 4380493.4/85

asym_ds_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.892 ± 0.531 $\chi^2/\text{NDF}: 12.7/17$

Left Out: -0.517 ± 0.382 $\chi^2/\text{NDF}: 20.7/24$

Right Out: 0.347 ± 0.549 $\chi^2/\text{NDF}: 16.3/19$

Left In: -0.072 ± 0.390 $\chi^2/\text{NDF}: 20.4/22$

Left: -0.299 ± 0.273 $\chi^2/\text{NDF}: 41.7/47$

Right: 0.628 ± 0.382 $\chi^2/\text{NDF}: 29.5/37$

In: 0.266 ± 0.315 $\chi^2/\text{NDF}: 35.2/40$

Out: -0.235 ± 0.314 $\chi^2/\text{NDF}: 38.7/44$

All: 0.015 ± 0.222 $\chi^2/\text{NDF}: 75.2/85$

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left: 1.467+/-0.000 χ^2/NDF : 2205449.5/47

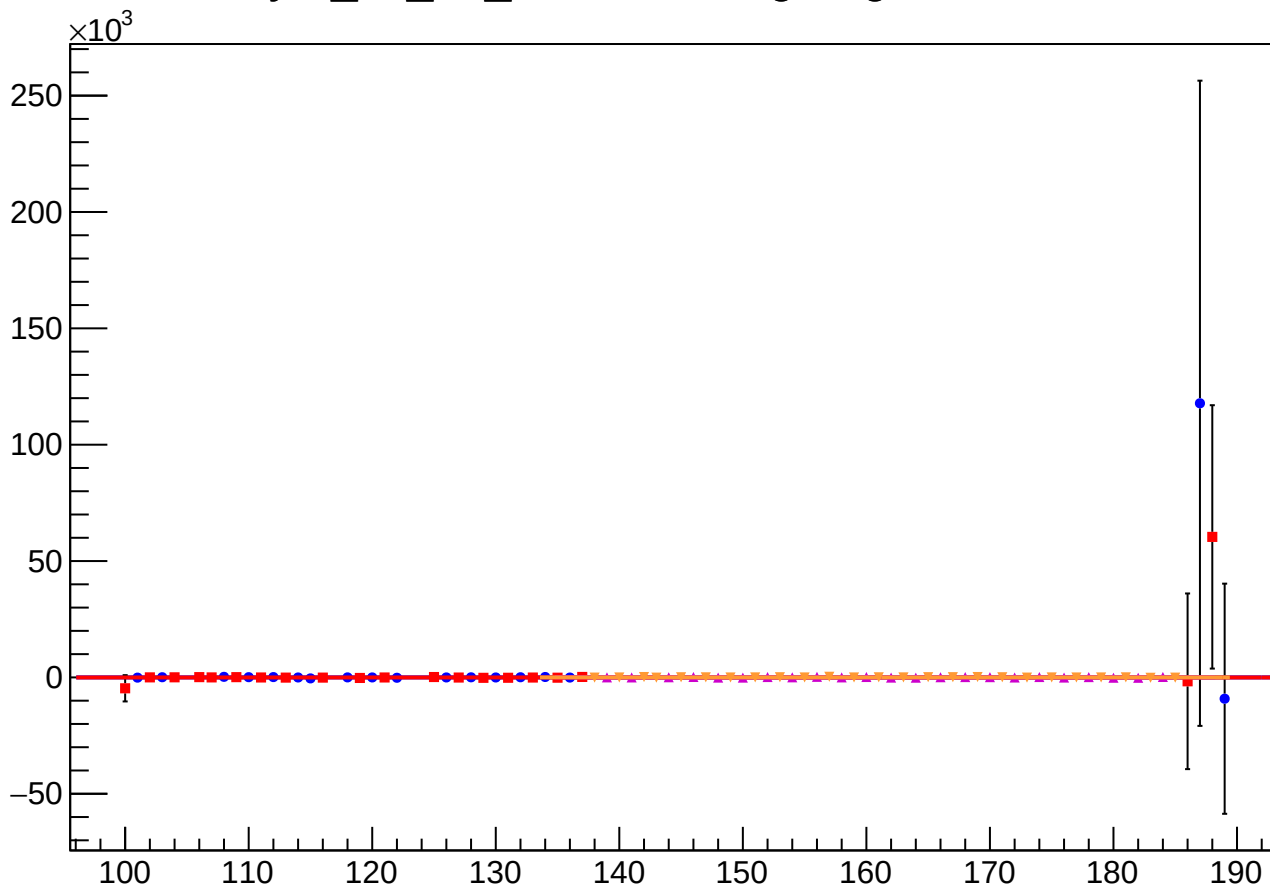
Right: 1.273+/-0.000 χ^2/NDF : 3125873.4/37

In: 1.381+/-0.000 χ^2/NDF : 2624458.6/40

Out: 1.421+/-0.000 χ^2/NDF : 3031333.9/44

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

asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 7.408 ± 30.020 $\chi^2/\text{NDF}: 14.7/17$

Left Out: 10.423 ± 20.971 $\chi^2/\text{NDF}: 18.4/24$

Right Out: -26.367 ± 30.482 $\chi^2/\text{NDF}: 14.1/19$

Left In: 43.905 ± 21.600 $\chi^2/\text{NDF}: 31.1/22$

Left: 26.670 ± 15.046 $\chi^2/\text{NDF}: 50.7/47$

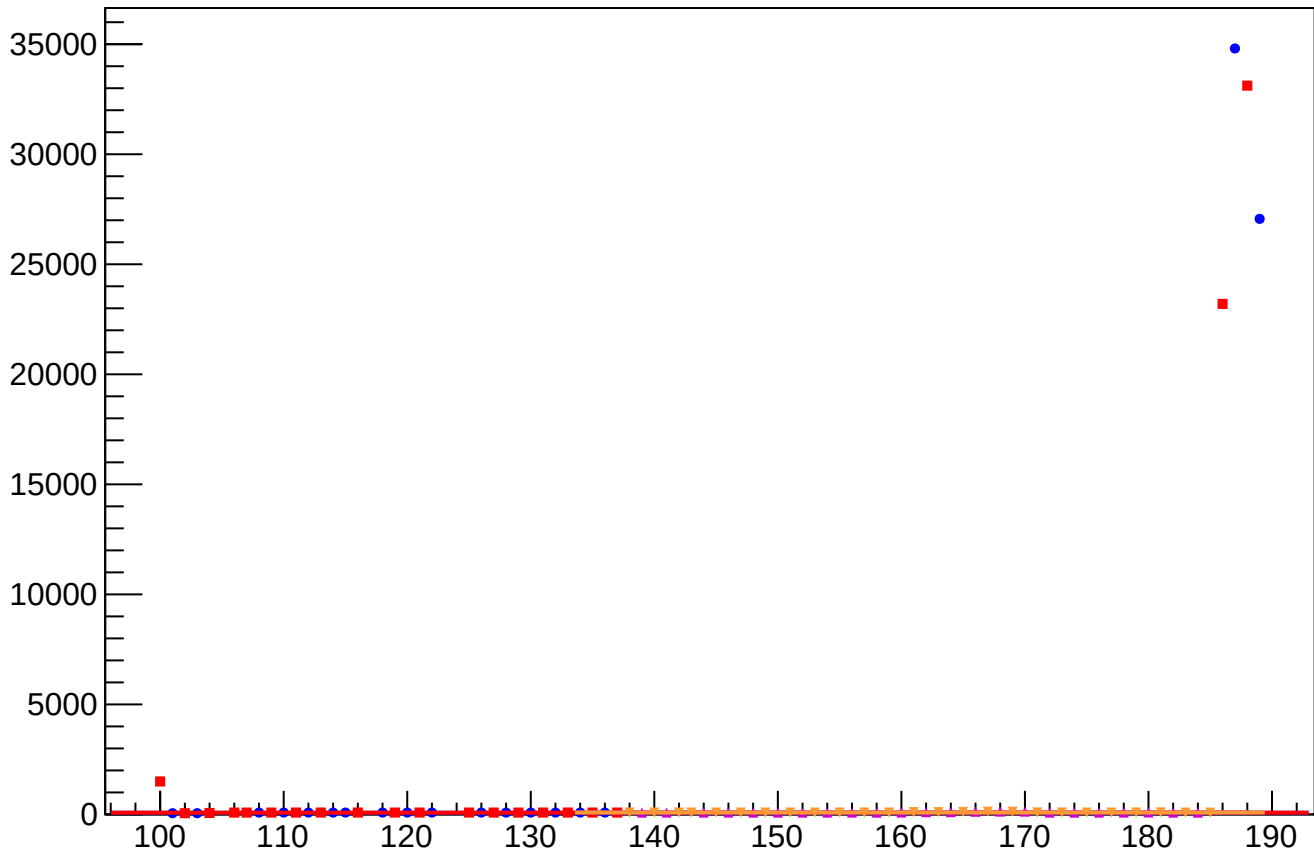
Right: -9.222 ± 21.389 $\chi^2/\text{NDF}: 29.4/37$

In: 31.455 ± 17.533 $\chi^2/\text{NDF}: 46.7/40$

Out: -1.396 ± 17.277 $\chi^2/\text{NDF}: 33.5/44$

All: 14.788 ± 12.306 $\chi^2/\text{NDF}: 82.0/85$

asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.036 $\pm$ 0.021 χ^2 /NDF: 1144406.7/17

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

Right Out: 79.344 $\pm$ 0.022 χ^2 /NDF: 1838148.0/19

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

Left: 89.593 $\pm$ 0.011 χ^2 /NDF: 981623.6/47

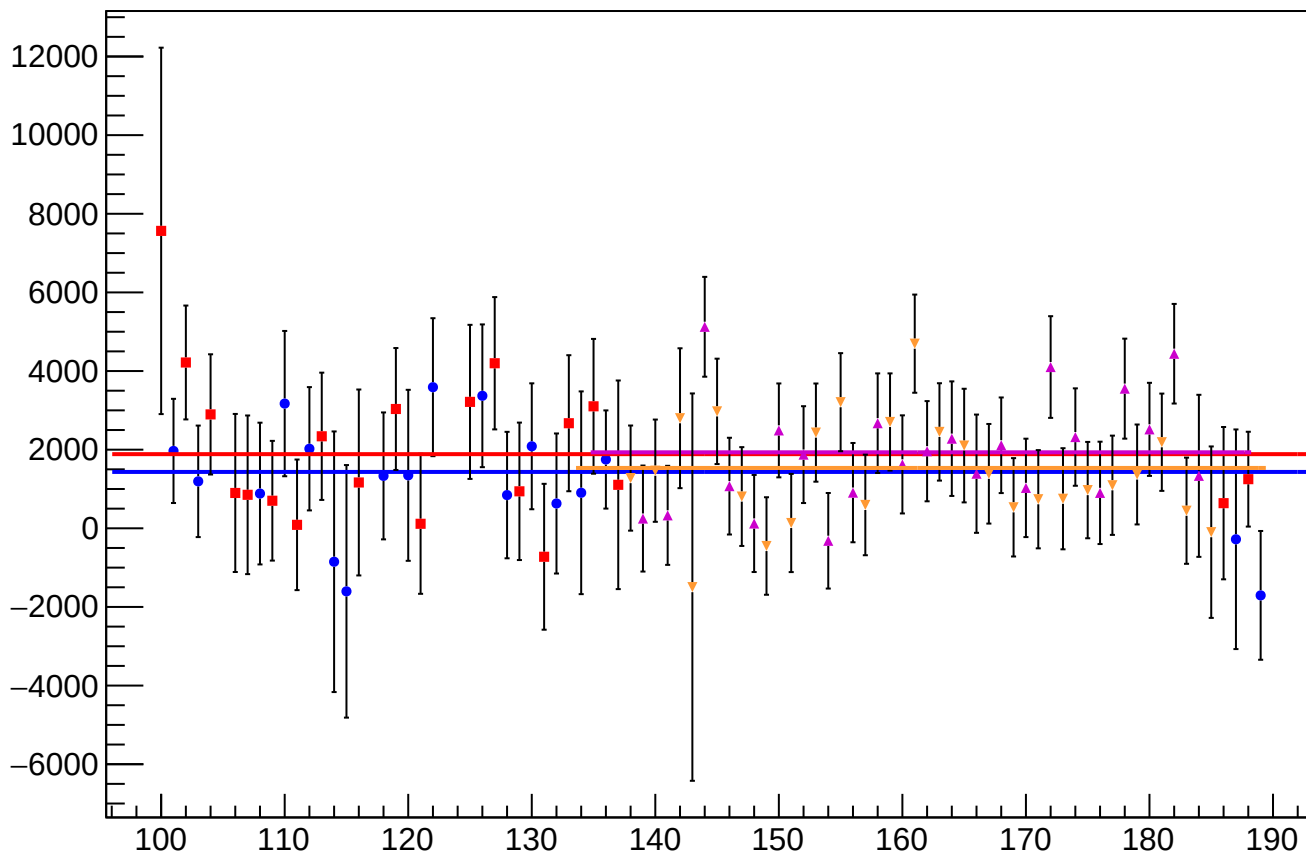
Right: 77.665 $\pm$ 0.015 χ^2 /NDF: 2994508.3/37

In: 85.009 $\pm$ 0.012 χ^2 /NDF: 1927429.0/40

Out: 86.261 $\pm$ 0.012 χ^2 /NDF: 2459615.4/44

All: 85.644 $\pm$ 0.009 χ^2 /NDF: 4392213.2/85

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1433.894+/-412.735 χ^2/NDF : 10.0/17

Left Out: 1535.246+/-265.882 χ^2/NDF : 20.4/24

Right Out: 1886.199+/-391.291 χ^2/NDF : 14.6/19

Left In: 1933.000+/-268.006 χ^2/NDF : 27.0/22

Left: 1732.540+/-188.753 χ^2/NDF : 48.5/47

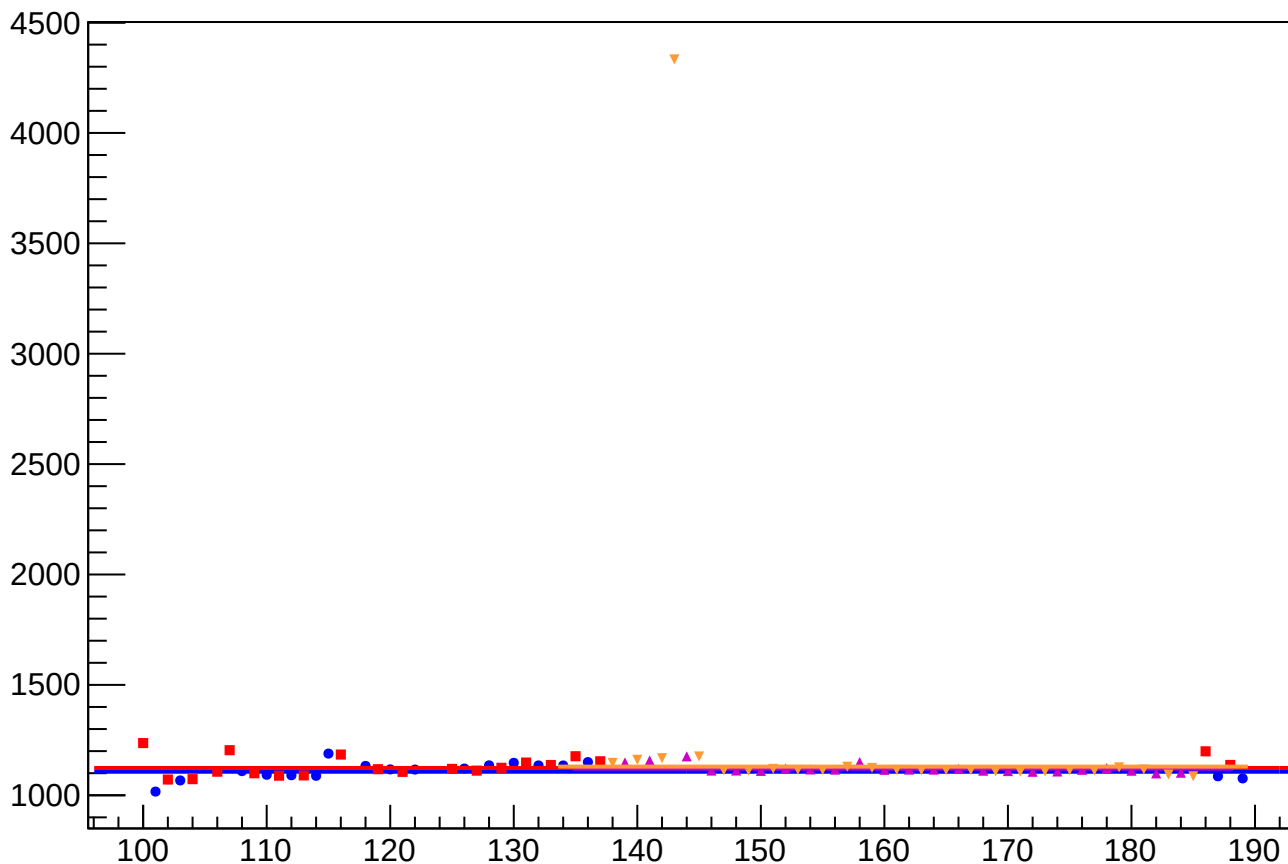
Right: 1672.101+/-283.963 χ^2/NDF : 25.2/37

In: 1784.970+/-224.776 χ^2/NDF : 38.0/40

Out: 1646.103+/-219.916 χ^2/NDF : 35.5/44

All: 1714.019+/-157.194 χ^2/NDF : 73.7/85

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left: 1125.481+/-0.133 χ^2/NDF : 869015.8/47

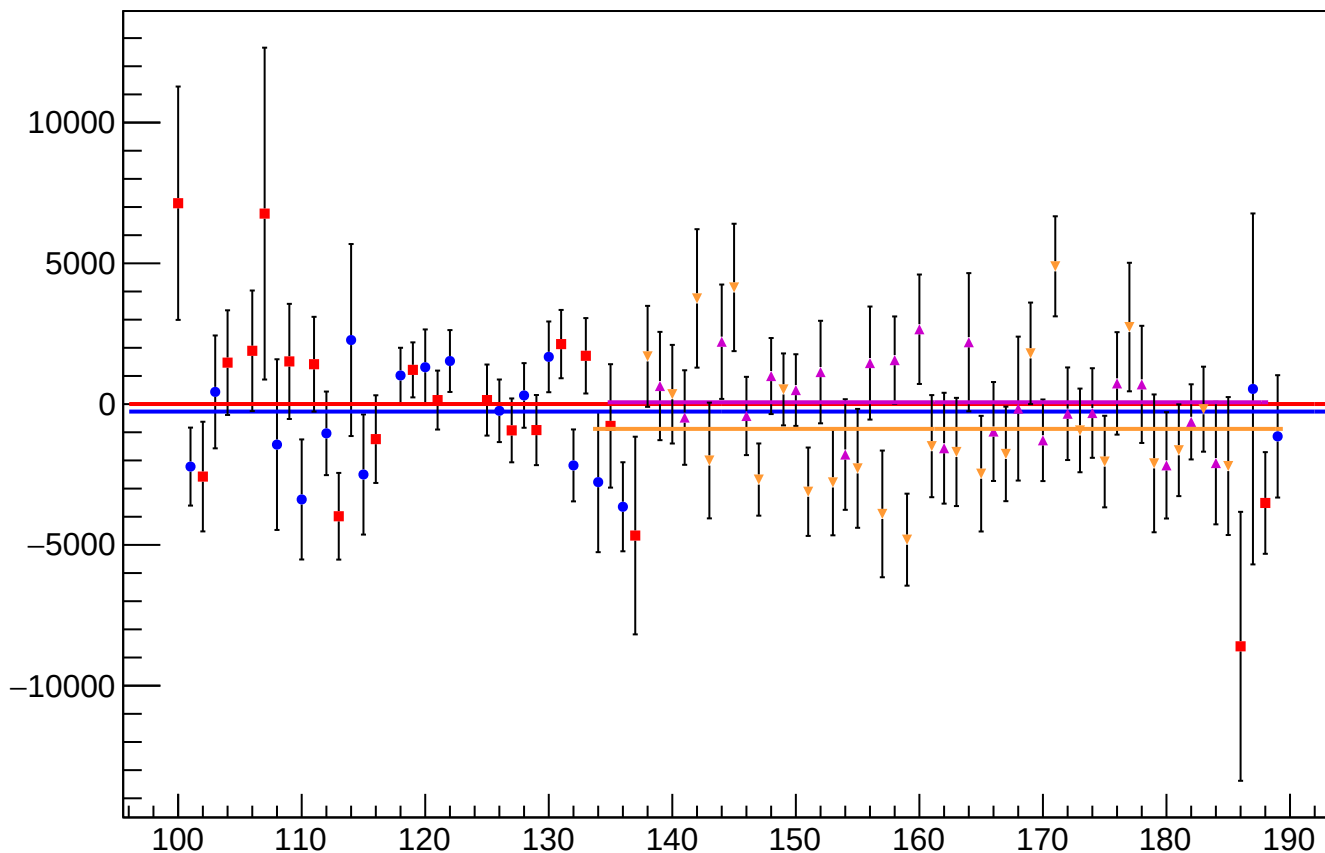
Right: 1115.591+/-0.201 χ^2/NDF : 40018.8/37

In: 1116.729+/-0.159 χ^2/NDF : 30443.7/40

Out: 1127.927+/-0.156 χ^2/NDF : 877737.6/44

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

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -264.656 $\pm$ 356.003 χ^2/NDF : 22.7/17

Left Out: -879.685 $\pm$ 355.692 χ^2/NDF : 43.5/24

Right Out: 3.748 $\pm$ 349.801 χ^2/NDF : 32.5/19

Left In: 65.738 $\pm$ 358.785 χ^2/NDF : 12.1/22

Left: -411.067 $\pm$ 252.599 χ^2/NDF : 59.2/47

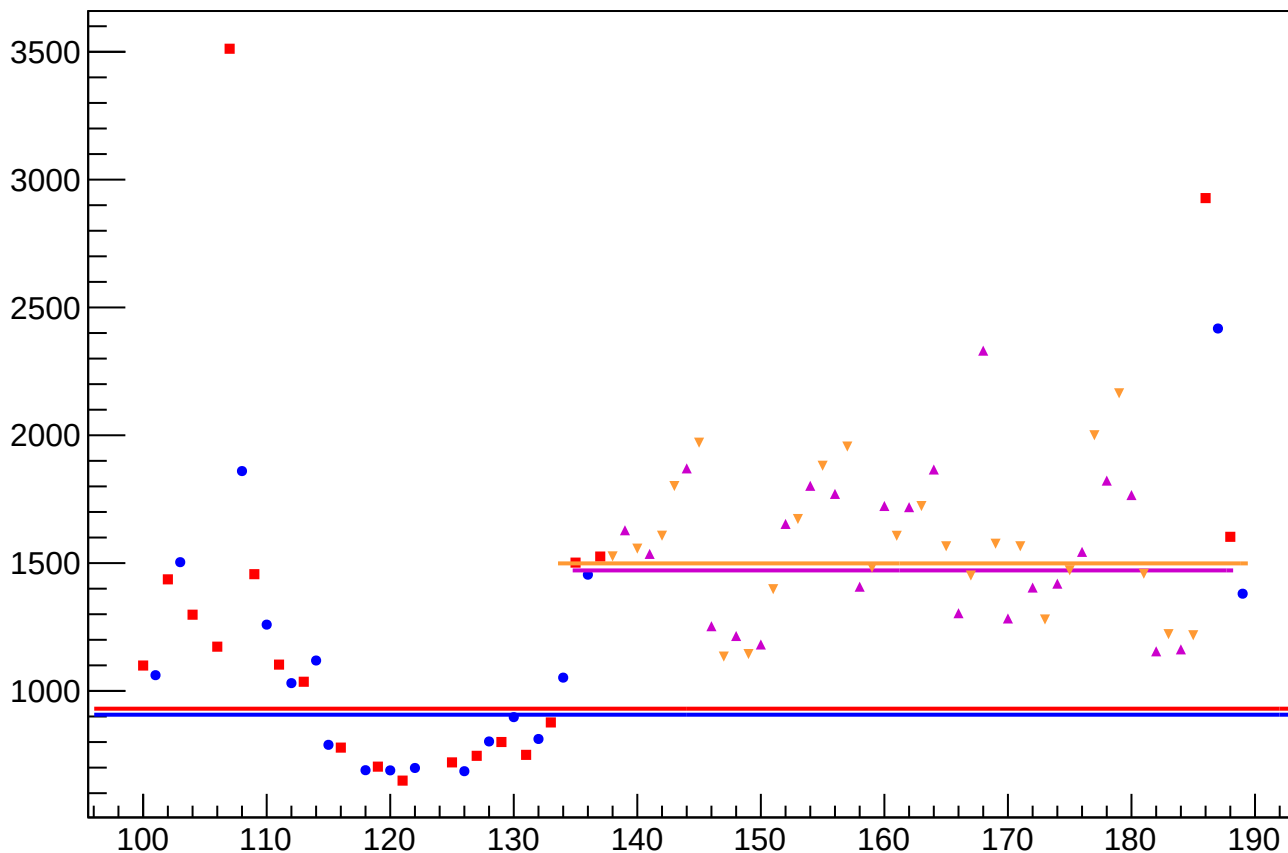
Right: -128.095 $\pm$ 249.511 χ^2/NDF : 55.5/37

In: -100.745 $\pm$ 252.710 χ^2/NDF : 35.3/40

Out: -430.593 $\pm$ 249.403 χ^2/NDF : 79.2/44

All: -267.841 $\pm$ 177.512 χ^2/NDF : 115.3/85

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 906.991 $\pm$ 0.252 χ^2/NDF : 1270102.7/17

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

Right Out: 930.535 $\pm$ 0.247 χ^2/NDF : 2058279.6/19

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

Left: 1485.240 $\pm$ 0.179 χ^2/NDF : 2165123.0/47

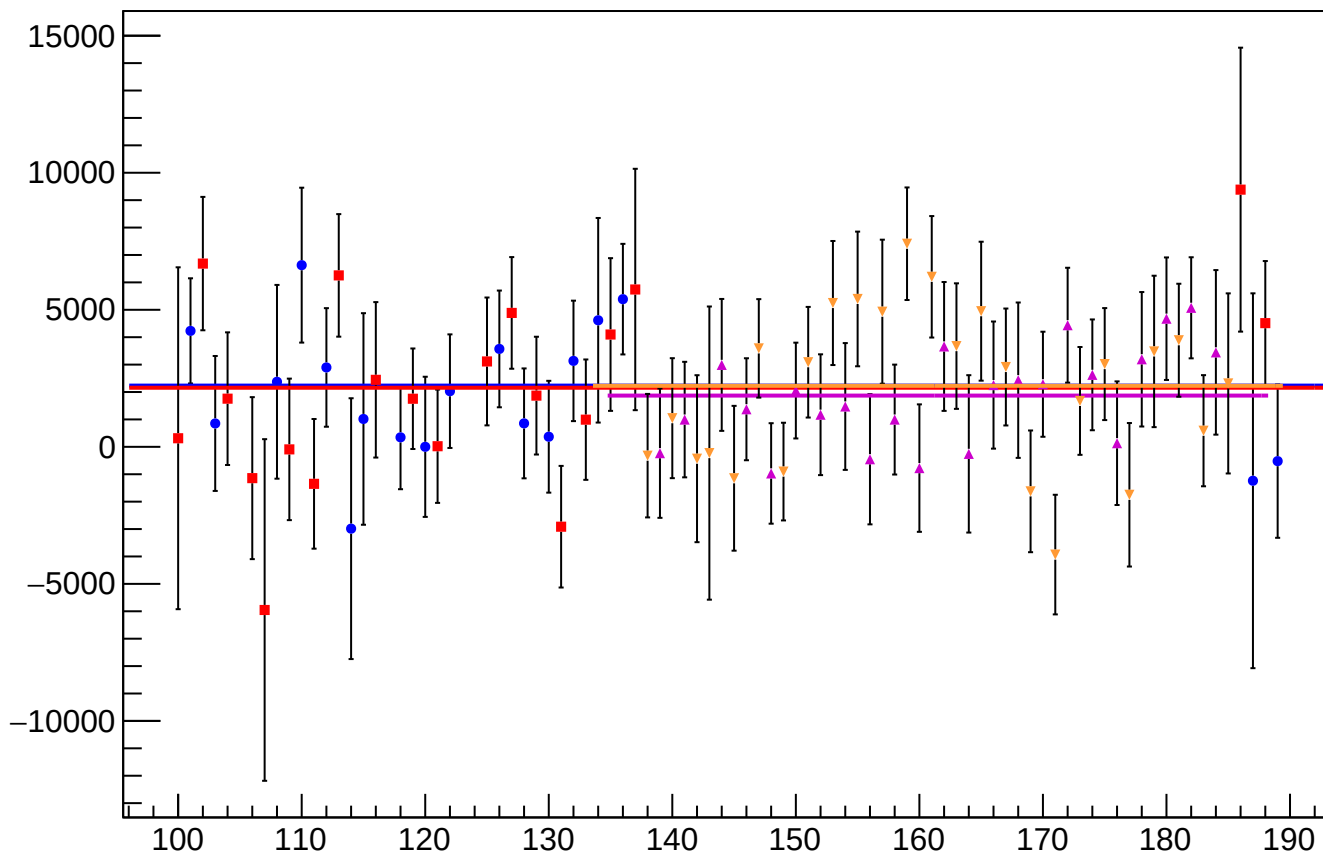
Right: 918.970 $\pm$ 0.176 χ^2/NDF : 3332833.3/37

In: 1186.995 $\pm$ 0.179 χ^2/NDF : 4869299.0/40

Out: 1209.947 $\pm$ 0.176 χ^2/NDF : 5707676.3/44

All: 1198.622 $\pm$ 0.126 χ^2/NDF : 10585332.6/8

asym_usl_mean vs Slug, Sign Corrected



Right In: 2234.020+/-575.904 χ^2/NDF : 12.9/17

Left Out: 2226.533+/-454.821 χ^2/NDF : 38.8/24

Right Out: 2156.170+/-563.024 χ^2/NDF : 25.6/19

Left In: 1869.792+/-455.465 χ^2/NDF : 14.9/22

Left: 2048.415+/-321.834 χ^2/NDF : 54.0/47

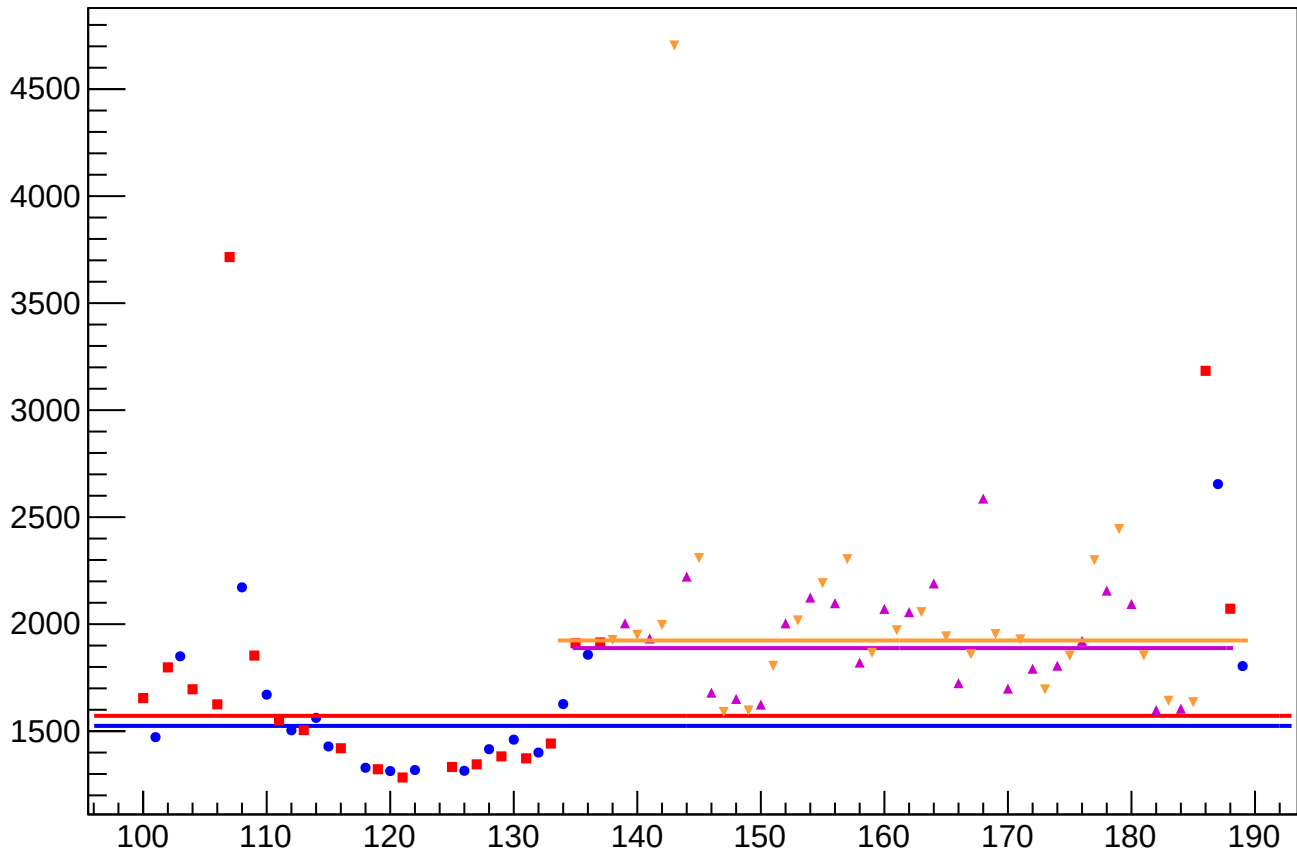
Right: 2194.215+/-402.595 χ^2/NDF : 38.6/37

In: 2009.945+/-357.244 χ^2/NDF : 28.1/40

Out: 2198.748+/-353.802 χ^2/NDF : 64.4/44

All: 2105.261+/-251.384 χ^2/NDF : 92.6/85

asym_usl_rms vs Slug, Sign Corrected



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

Left: 1906.002+/-0.228 χ^2/NDF : 1516877.3/47

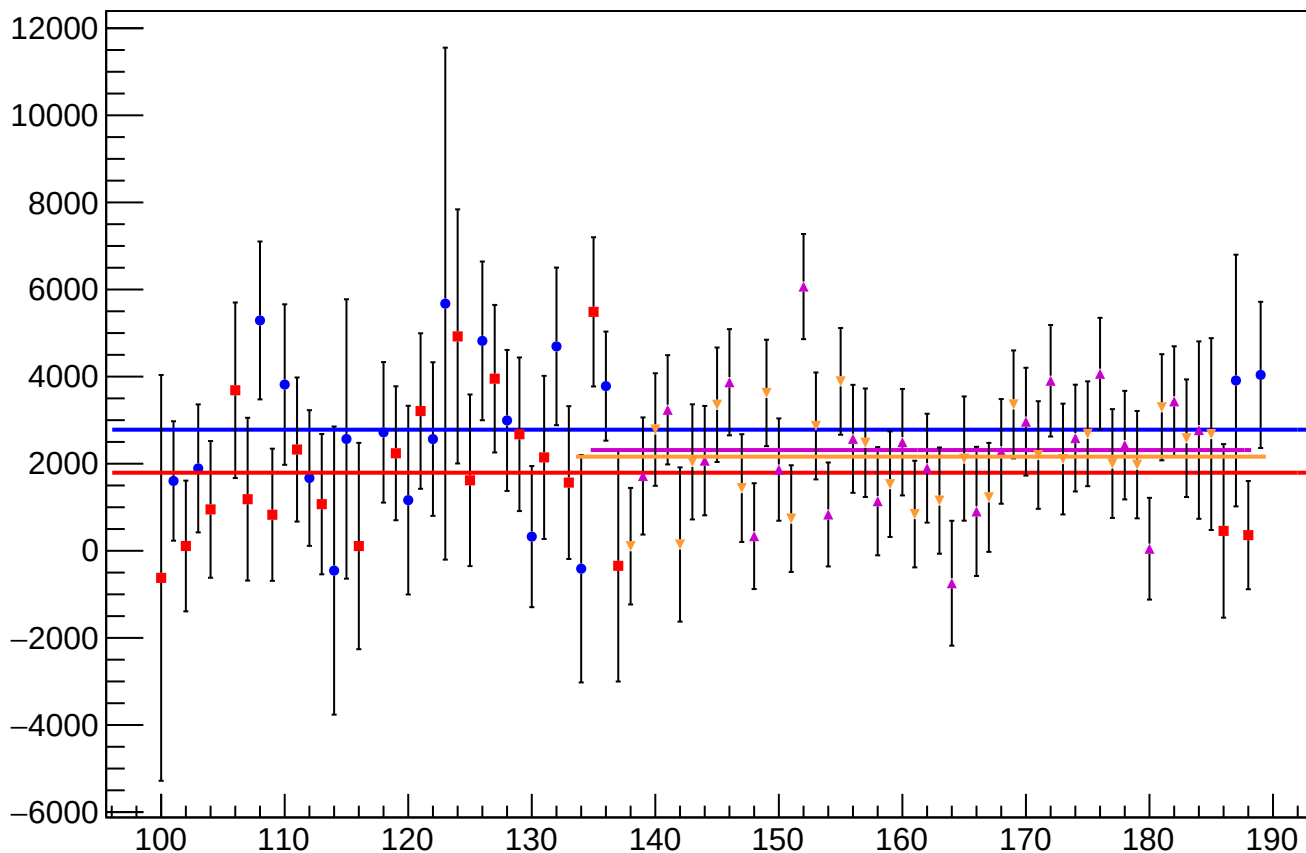
Right: 1548.629+/-0.285 χ^2/NDF : 1120857.1/37

In: 1748.228+/-0.253 χ^2/NDF : 1324109.6/40

Out: 1784.752+/-0.250 χ^2/NDF : 2264570.7/44

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

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2781.176+/-416.303 χ^2/NDF : 13.2/18

Left Out: 2161.427+/-257.518 χ^2/NDF : 15.1/24

Right Out: 1793.094+/-390.313 χ^2/NDF : 14.9/20

Left In: 2313.505+/-264.429 χ^2/NDF : 31.3/22

Left: 2235.453+/-184.488 χ^2/NDF : 46.5/47

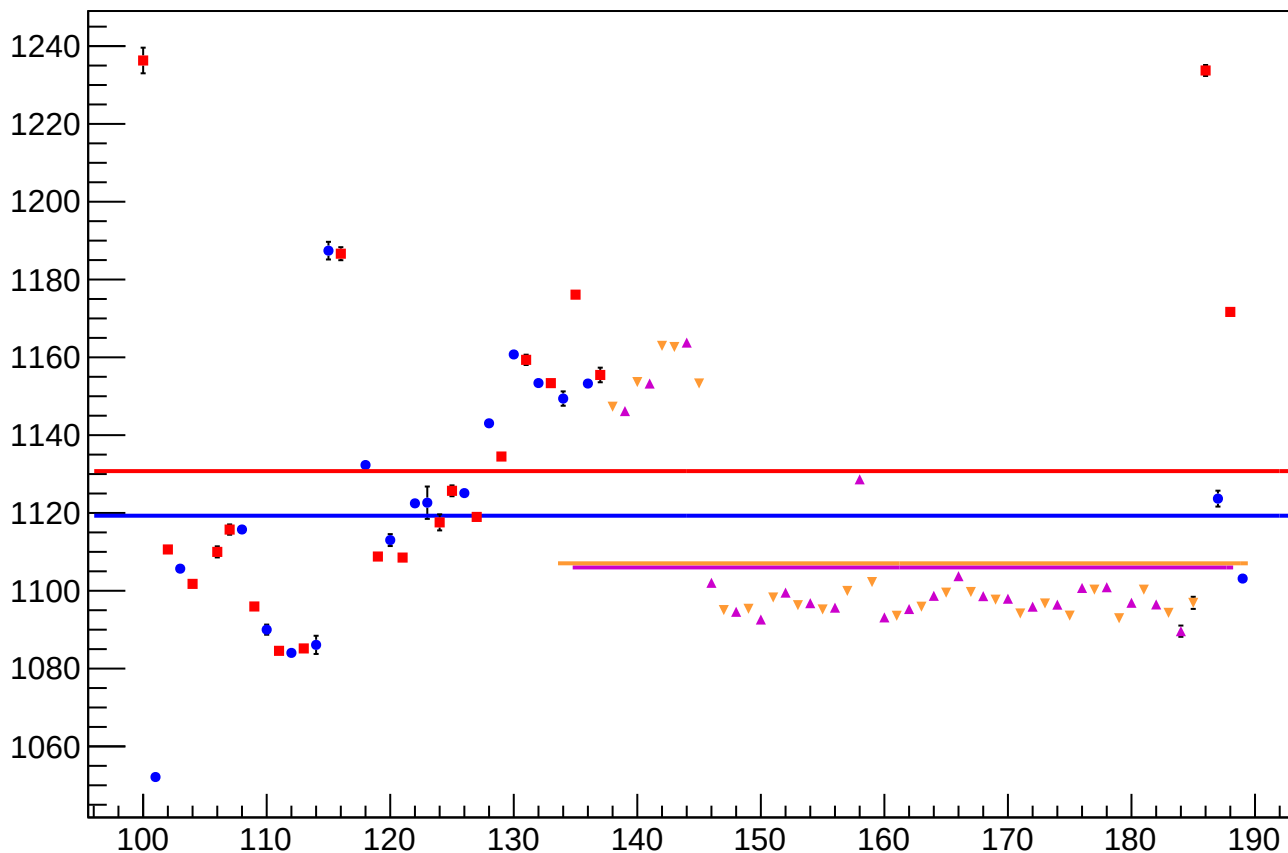
Right: 2255.330+/-284.738 χ^2/NDF : 31.0/39

In: 2447.948+/-223.208 χ^2/NDF : 45.3/41

Out: 2049.718+/-214.949 χ^2/NDF : 30.6/45

All: 2241.330+/-154.829 χ^2/NDF : 77.6/87

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left: 1106.541 $\pm$ 0.130 χ^2 /NDF: 26743.4/47

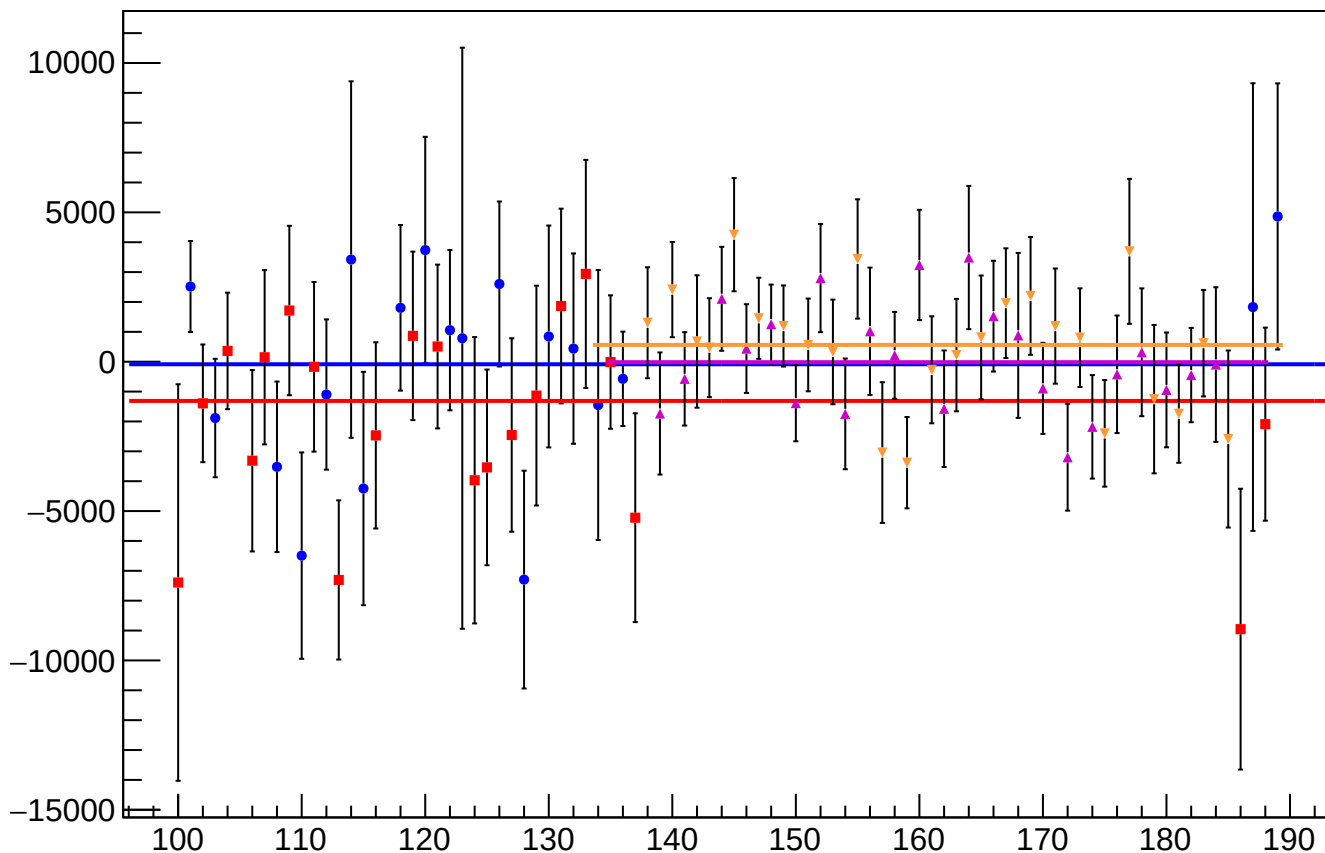
Right: 1125.395 $\pm$ 0.201 χ^2 /NDF: 31460.6/39

In: 1109.819 $\pm$ 0.158 χ^2 /NDF:25168.1/41

Out: 1114.245 $\pm$ 0.152 χ^2 /NDF:38804.4/45

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

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -85.156 ± 647.186 χ^2/NDF : 18.4/18

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

Right Out: -1312.479 ± 643.886 χ^2/NDF : 17.2/20

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

Left: 278.615 ± 257.275 χ^2/NDF : 48.2/47

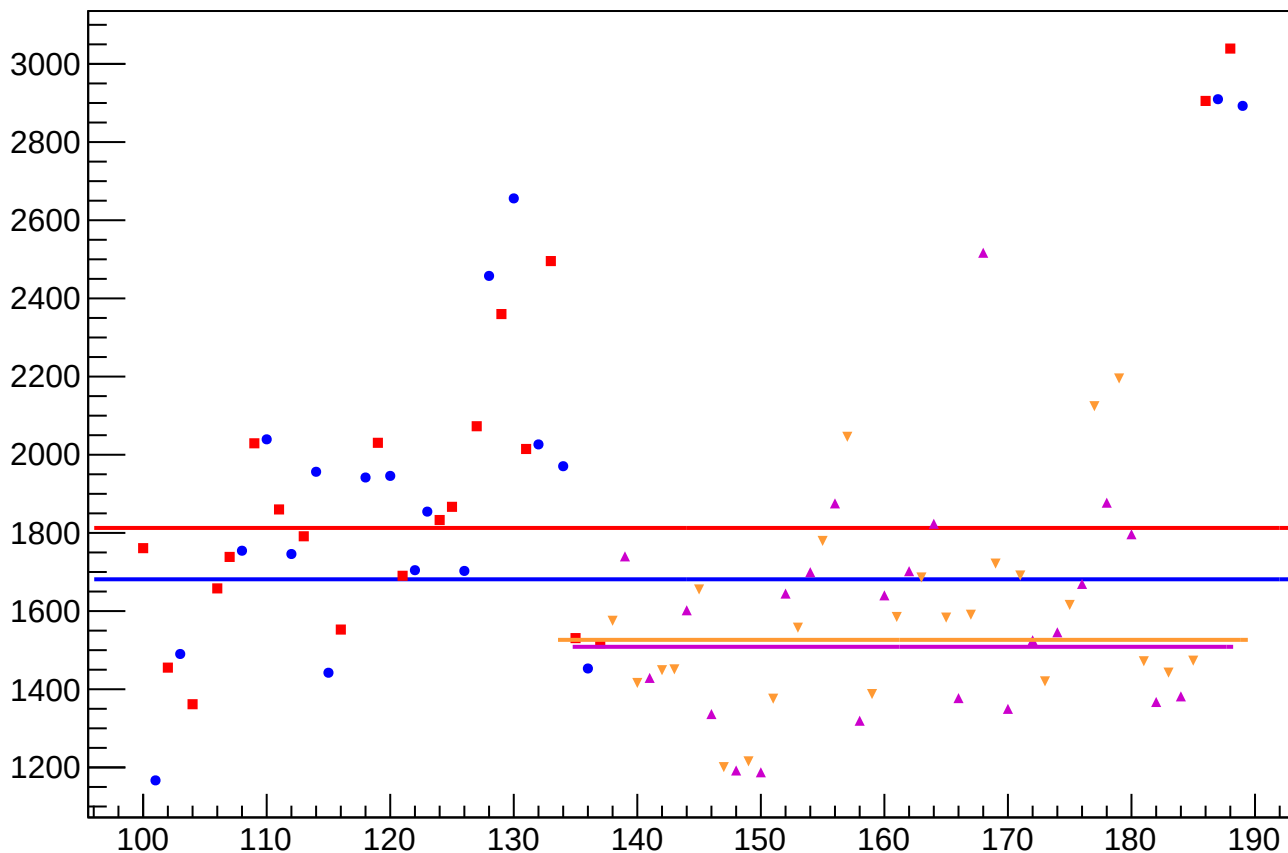
Right: -701.955 ± 456.458 χ^2/NDF : 37.4/39

In: -32.454 ± 319.147 χ^2/NDF : 38.5/41

Out: 114.860 ± 314.821 χ^2/NDF : 50.4/45

All: 42.208 ± 224.126 χ^2/NDF : 89.0/87

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left: 1517.632+/-0.182 χ^2/NDF : 1687794.7/47

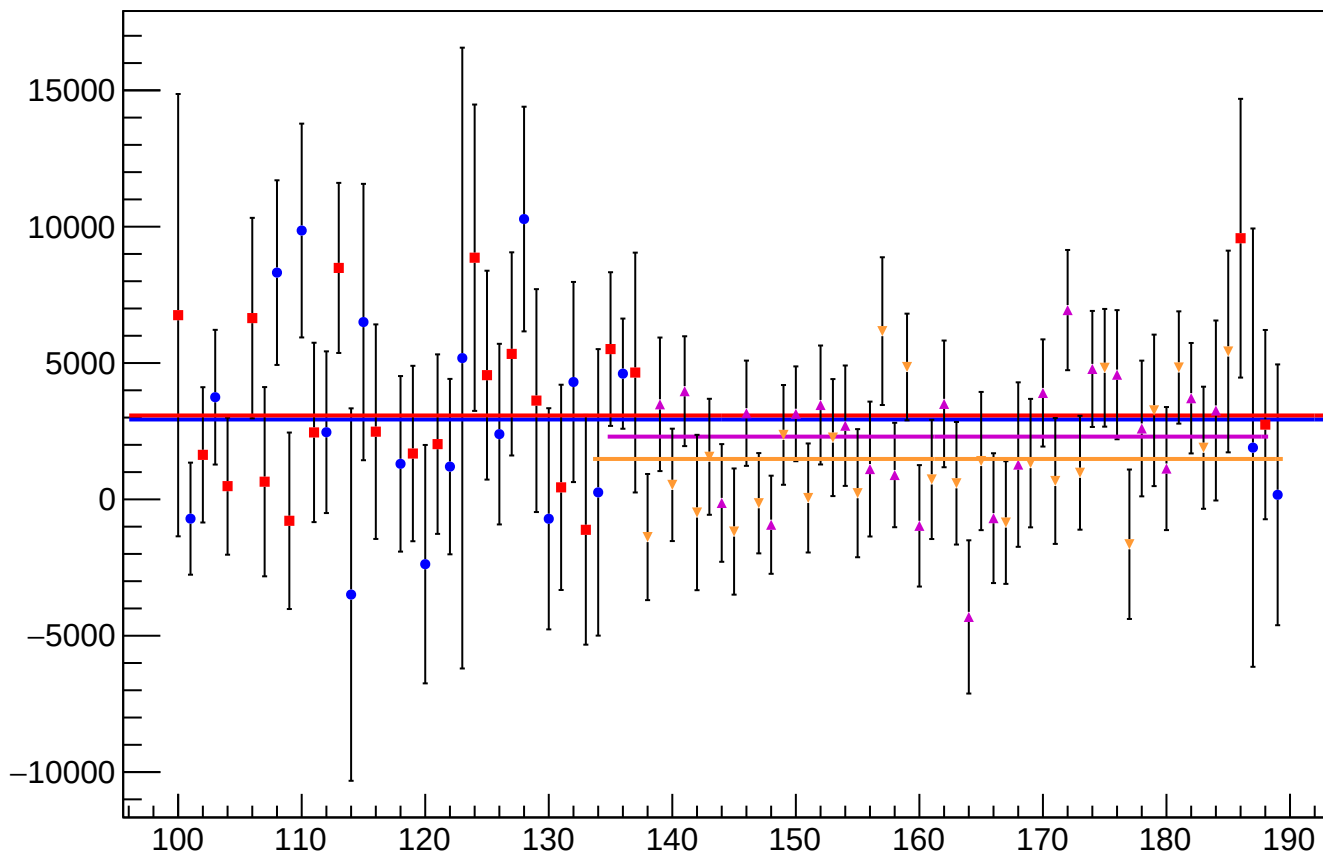
Right: 1747.360+/-0.323 χ^2/NDF : 1648783.5/39

In: 1550.589+/-0.226 χ^2/NDF : 1853754.9/41

Out: 1594.841+/-0.223 χ^2/NDF : 1847788.7/45

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

asym_usr_mean vs Slug, Sign Corrected



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

Left: 1883.648 $\pm$ 321.340 χ^2 /NDF: 47.4/47

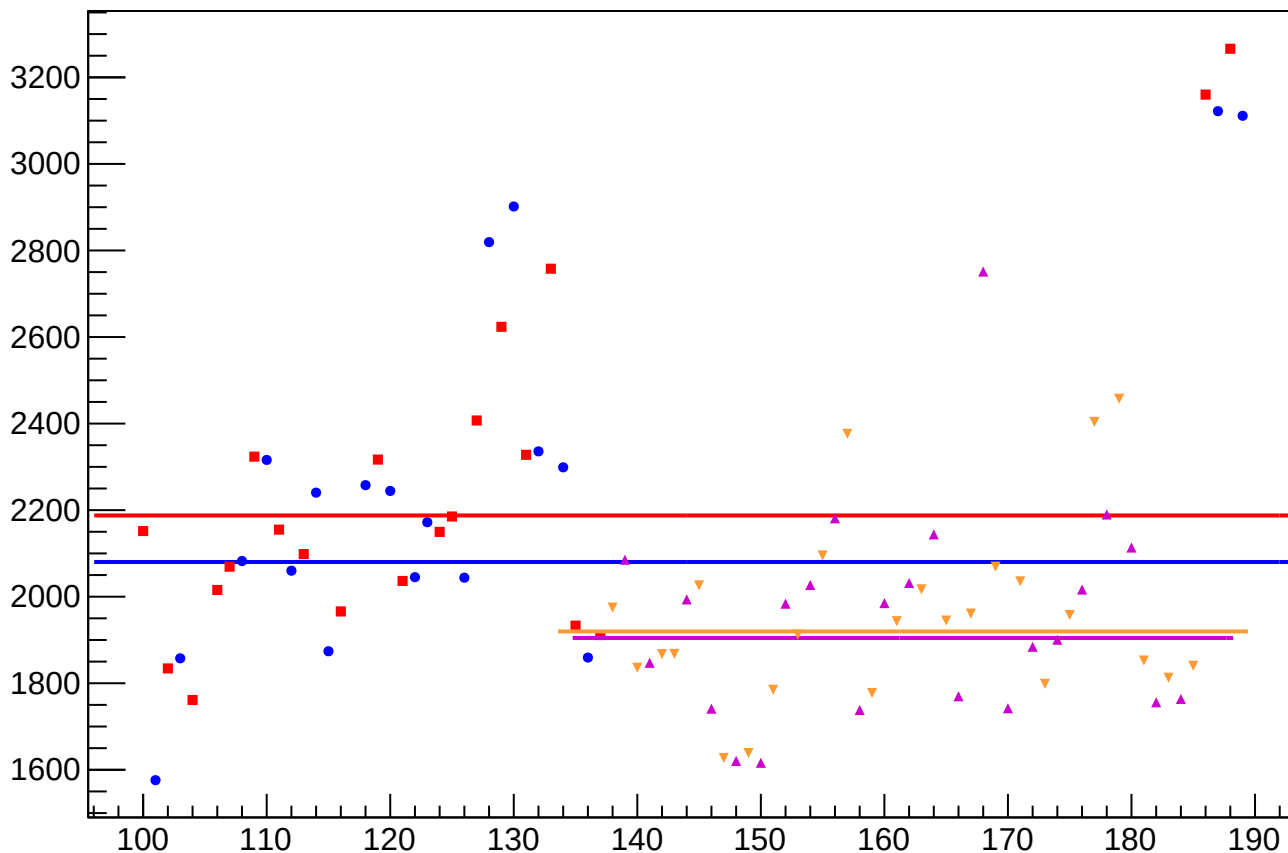
Right: 3005.510 $\pm$ 550.385 χ^2 /NDF: 31.2/39

In: 2460.251 $\pm$ 396.780 χ^2 /NDF:43.1/41

Out: 1889.823 $\pm$ 388.261 χ^2 /NDF:37.5/45

All: 2168.847 $\pm$ 277.505 χ^2 /NDF: 81.7/87

asym_usr_rms vs Slug, Sign Corrected



Right In: 2080.206 $\pm$ 0.558 χ^2/NDF : 467980.9/18

Left Out: 1919.732 $\pm$ 0.318 χ^2/NDF : 366218.1/24

Right Out: 2187.687 $\pm$ 0.543 χ^2/NDF : 483017.0/20

Left In: 1904.629 $\pm$ 0.325 χ^2/NDF : 447350.7/22

Left: 1912.331 $\pm$ 0.227 χ^2/NDF : 814672.9/47

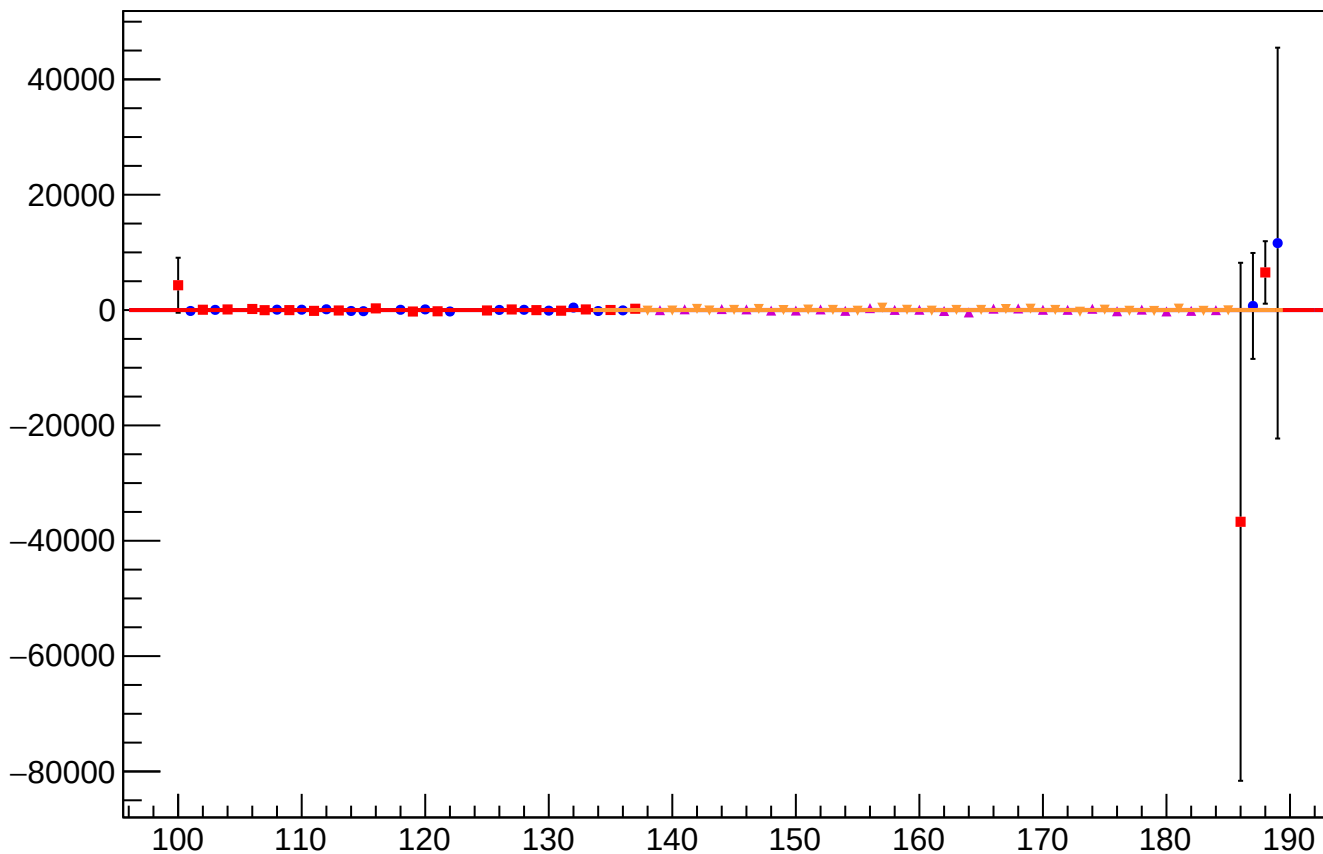
Right: 2135.393 $\pm$ 0.389 χ^2/NDF : 970051.9/39

In: 1949.026 $\pm$ 0.281 χ^2/NDF : 989318.5/41

Out: 1988.199 $\pm$ 0.275 χ^2/NDF : 1030444.9/45

All: 1969.037 $\pm$ 0.196 χ^2/NDF : 2029721.9/87

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left: 15.942 ± 18.349 χ^2/NDF : 73.1/47

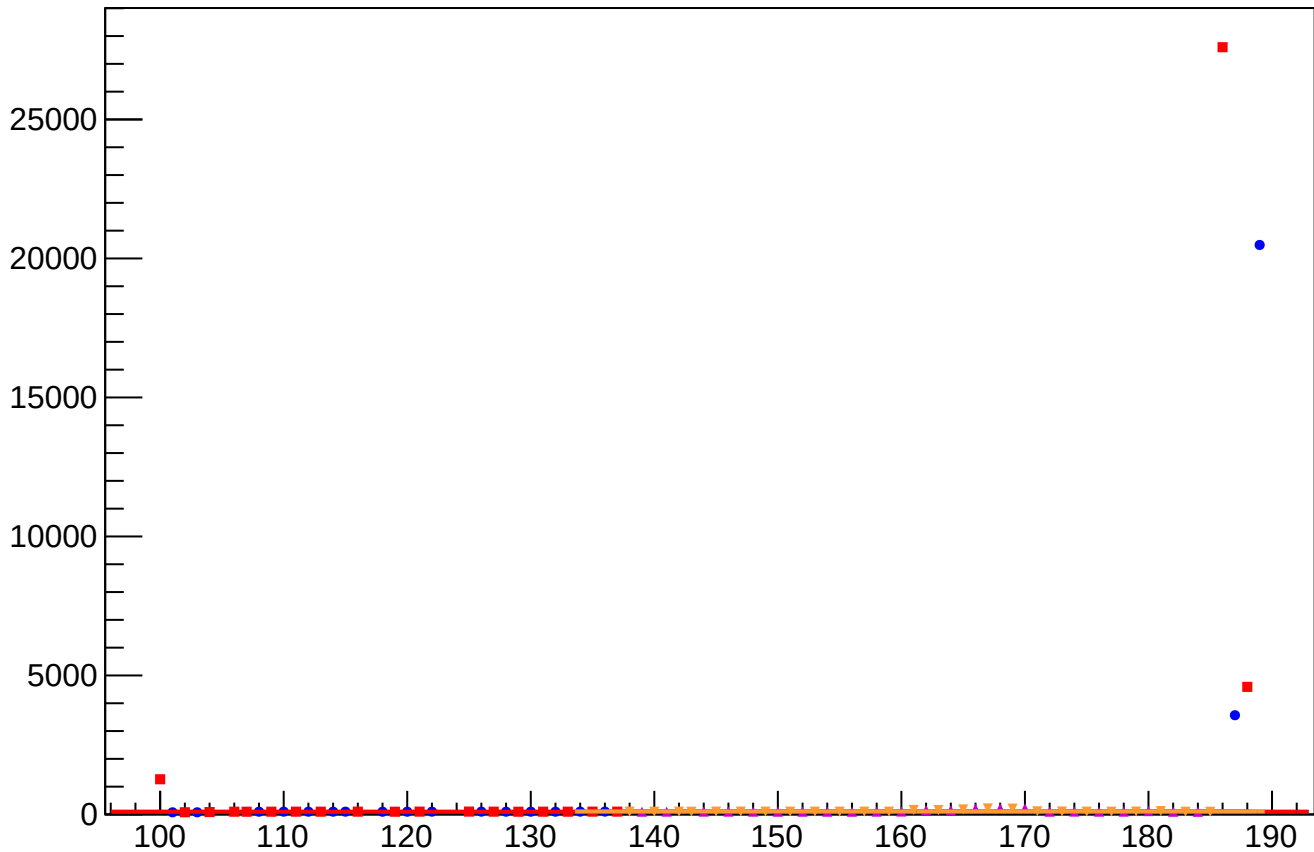
Right: 0.496 ± 25.995 χ^2/NDF : 32.5/37

In: 16.127 ± 21.415 χ^2/NDF : 53.4/40

Out: 5.693 ± 20.992 χ^2/NDF : 52.4/44

All: 10.806 ± 14.991 χ^2/NDF : 105.9/85

reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.127+/-0.026 χ^2/NDF : 1163537.4/17

Left Out: 107.590+/-0.018 χ^2/NDF : 1447372.1/24

Right Out: 96.583+/-0.026 χ^2/NDF : 2334498.5/19

Left In: 107.672+/-0.019 χ^2/NDF : 1491034.7/22

Left: 107.630+/-0.013 χ^2/NDF : 2938417.0/47

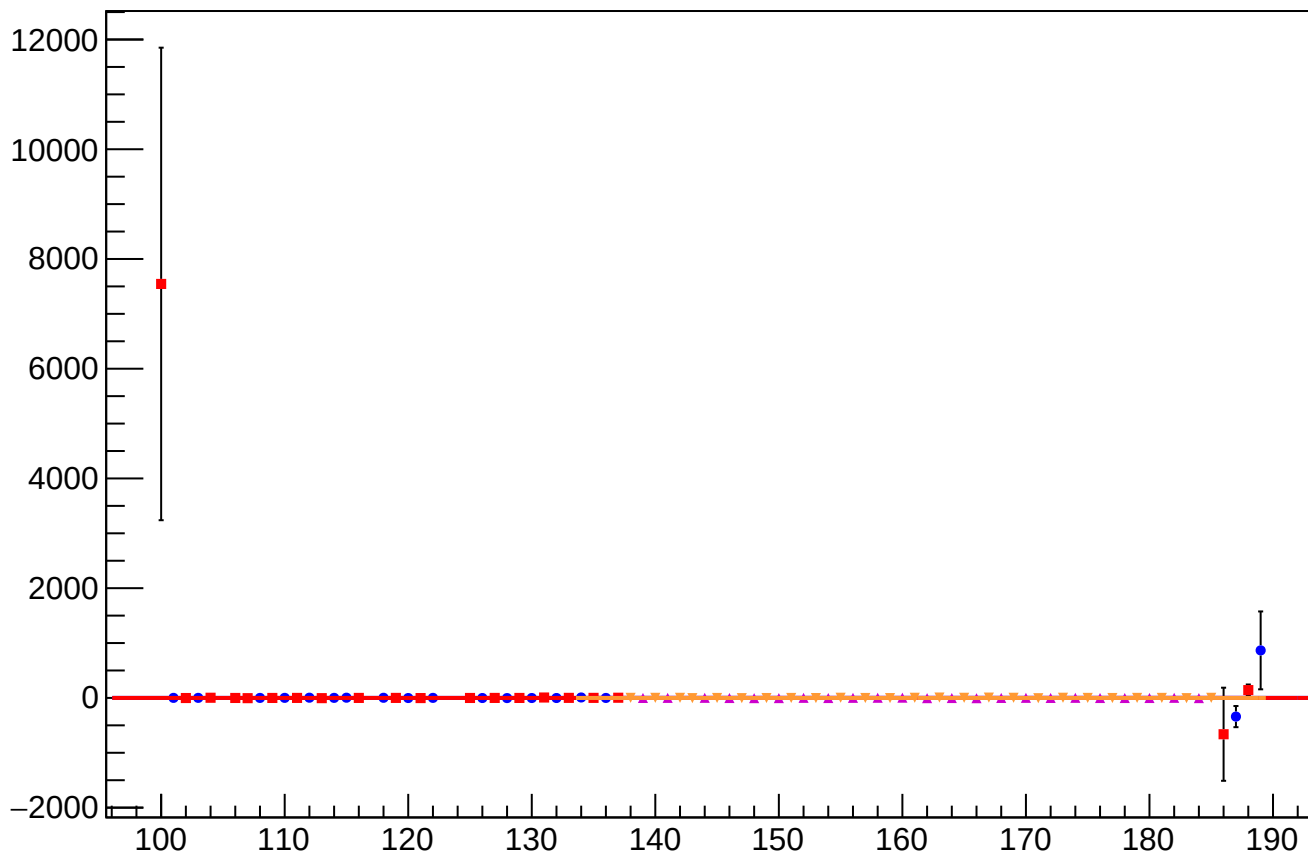
Right: 95.356+/-0.018 χ^2/NDF : 3502500.4/37

In: 103.078+/-0.015 χ^2/NDF : 2833921.9/40

Out: 104.000+/-0.015 χ^2/NDF : 3902715.9/44

All: 103.548+/-0.011 χ^2/NDF : 6738526.0/85

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.387 ± 0.617 $\chi^2/\text{NDF}: 15.0/17$
 Left Out: -0.765 ± 0.459 $\chi^2/\text{NDF}: 34.1/24$
 Right Out: -0.339 ± 0.644 $\chi^2/\text{NDF}: 23.6/19$
 Left In: -0.067 ± 0.485 $\chi^2/\text{NDF}: 25.0/22$

Left: -0.435 ± 0.333 $\chi^2/\text{NDF}: 60.2/47$
 Right: 0.039 ± 0.445 $\chi^2/\text{NDF}: 39.2/37$
 In: 0.106 ± 0.381 $\chi^2/\text{NDF}: 40.3/40$
 Out: -0.621 ± 0.374 $\chi^2/\text{NDF}: 58.0/44$
 All: -0.265 ± 0.267 $\chi^2/\text{NDF}: 100.2/85$

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left: 1.773+/-0.000 χ^2/NDF : 3619133.7/47

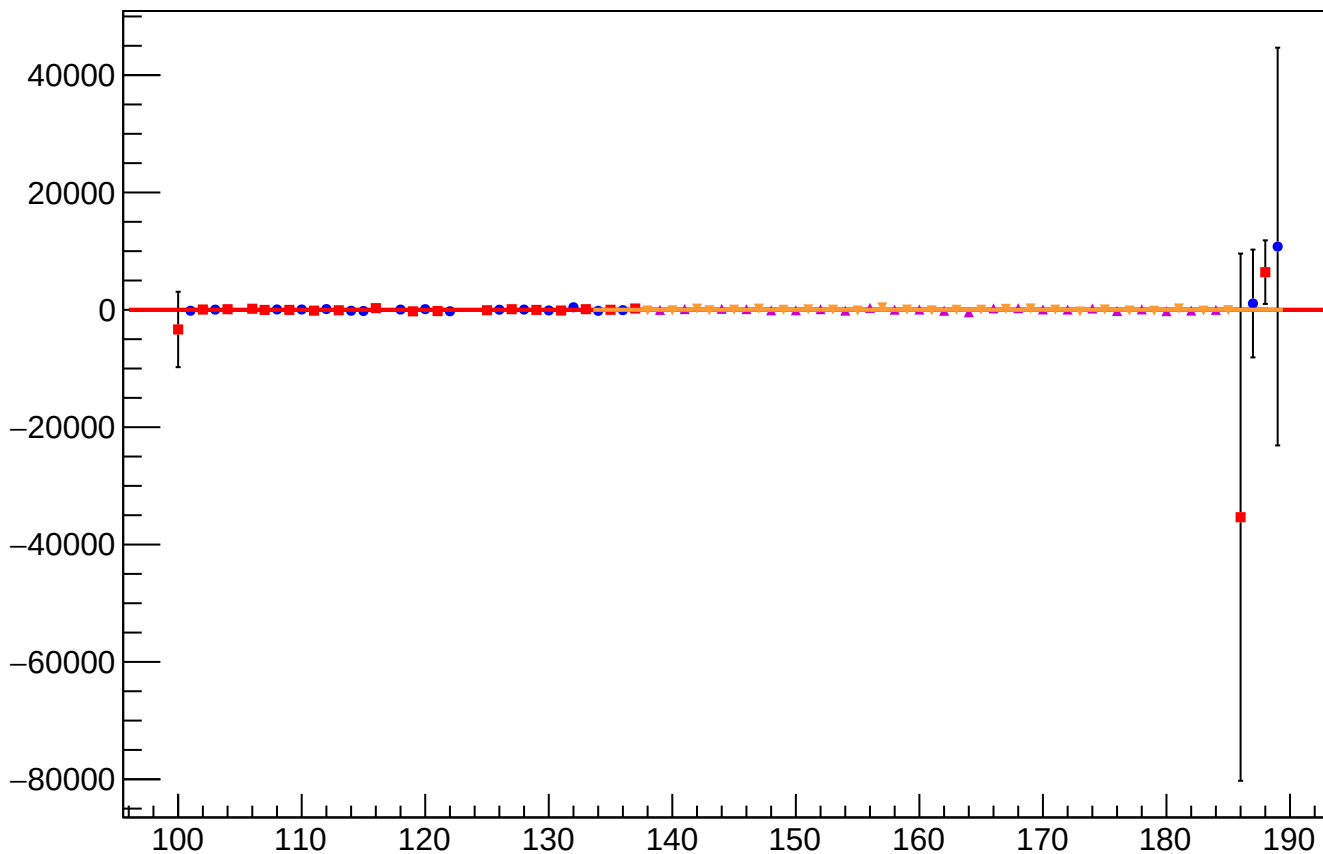
Right: 1.487+/-0.000 χ^2/NDF : 3893869.6/37

In: 1.657+/-0.000 χ^2/NDF : 4037541.4/40

Out: 1.683+/-0.000 χ^2/NDF : 3999719.0/44

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

asym_dsl_mean vs Slug, Sign Corrected



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

Left: 16.611 ± 18.355 χ^2/NDF : 72.2/47

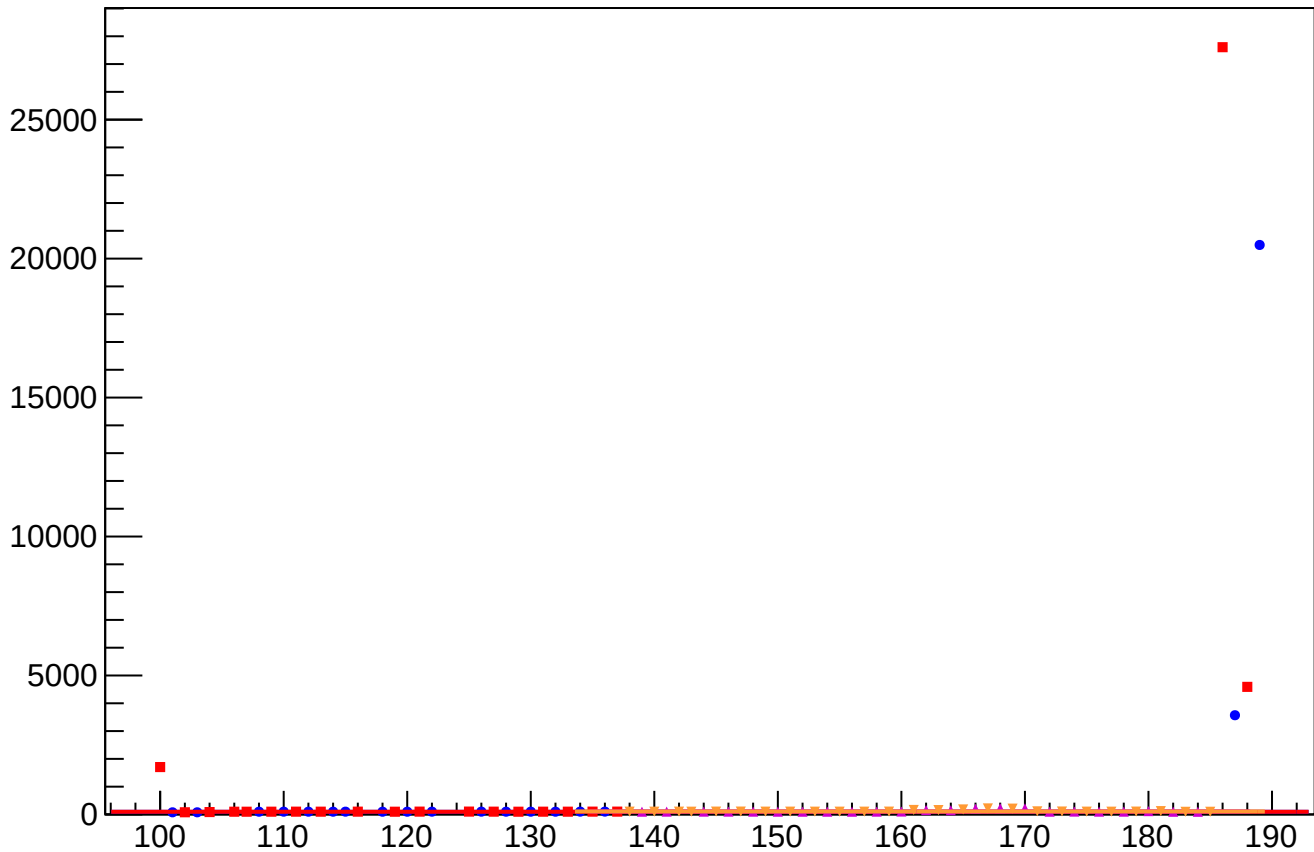
Right: 0.526 ± 26.002 χ^2/NDF : 32.1/37

In: 16.576 ± 21.421 χ^2/NDF : 52.8/40

Out: 6.155 ± 20.998 χ^2/NDF : 51.7/44

All: 11.262 ± 14.995 χ^2/NDF : 104.6/85

asym_dsl_rms vs Slug, Sign Corrected



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

Left: 107.660+/-0.013 χ^2/NDF : 2941117.9/47

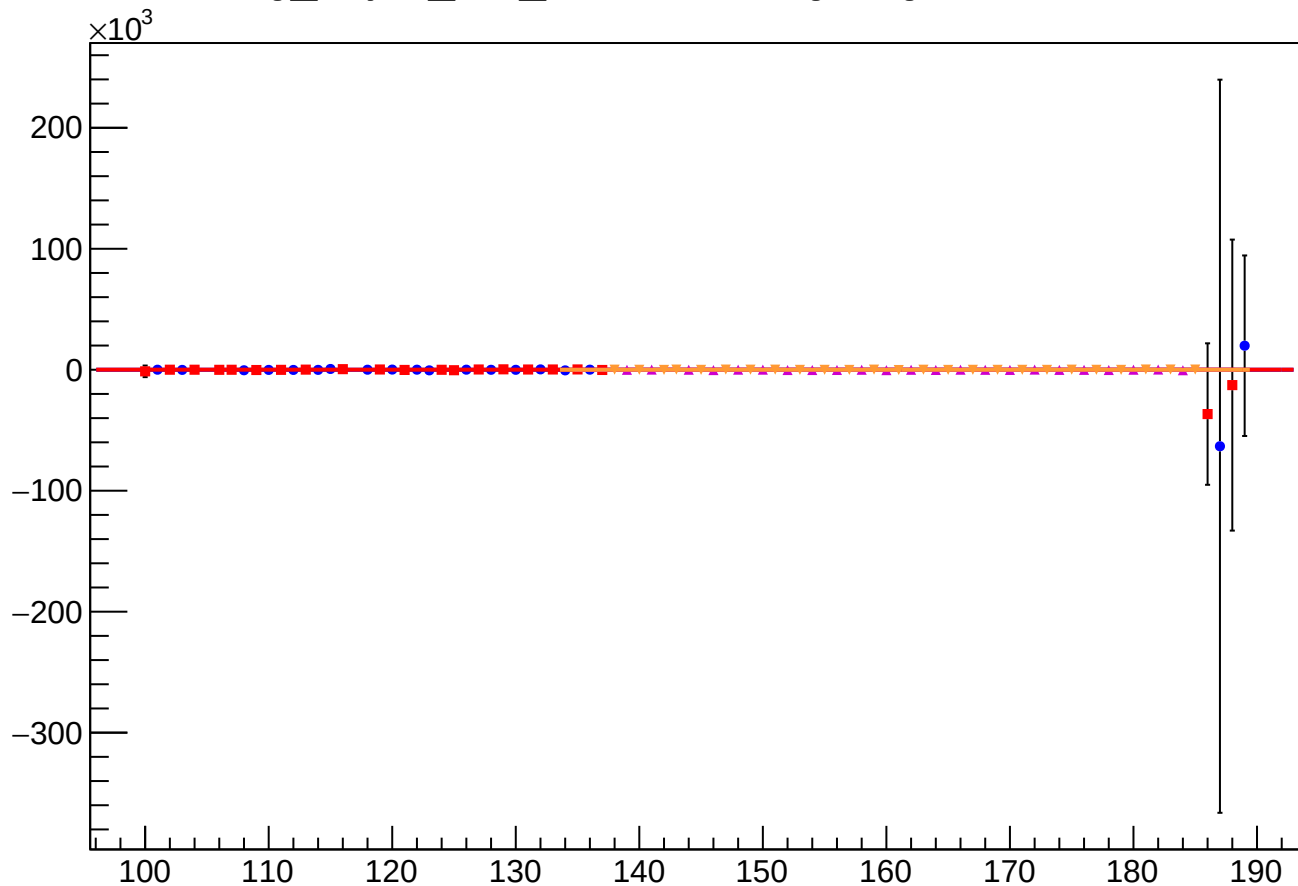
Right: 95.372+/-0.018 χ^2/NDF : 3507625.9/37

In: 103.106+/-0.015 χ^2/NDF :2835296.4/40

Out: 104.023+/-0.015 χ^2/NDF :3909705.0/44

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

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left: -38.371 ± 22.977 χ^2/NDF : 32.6/47

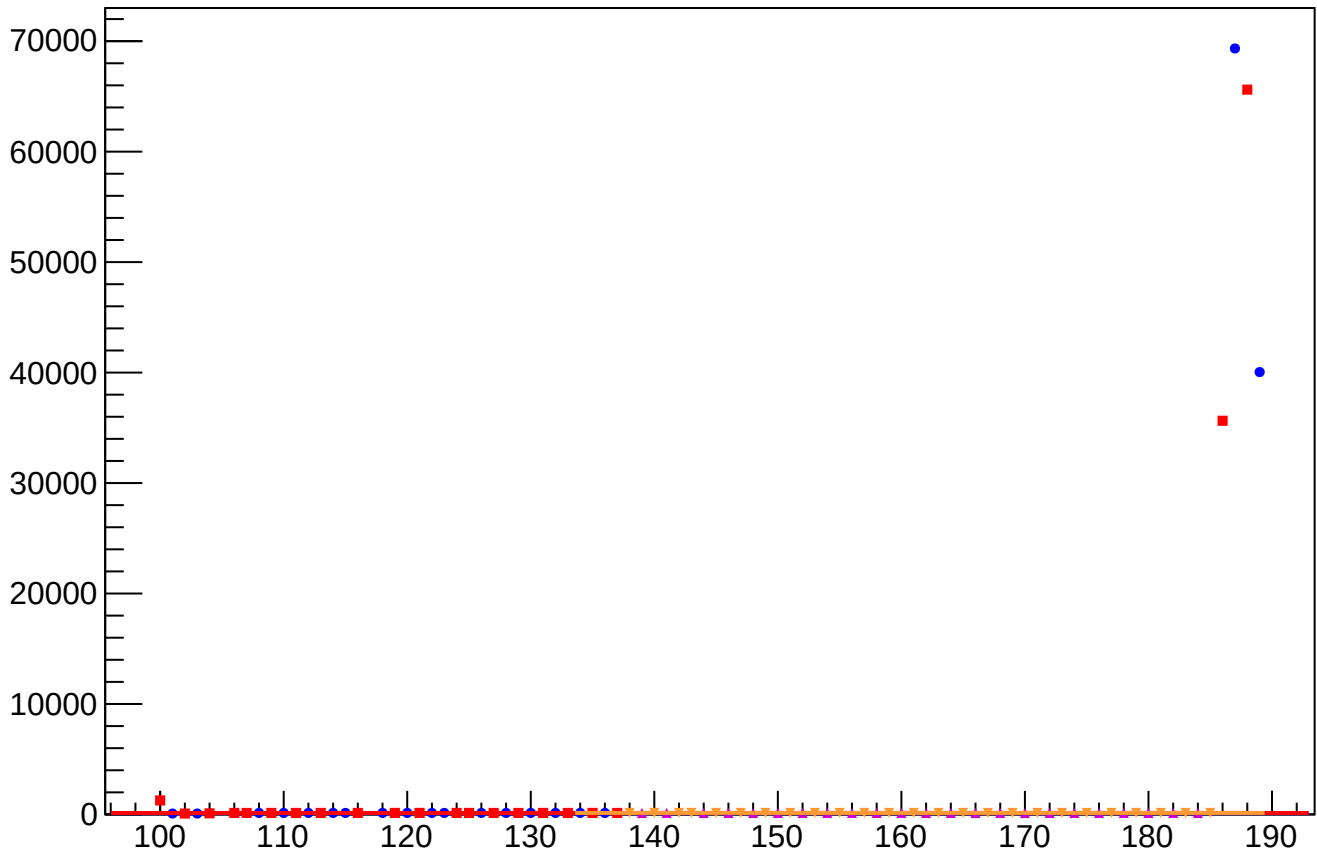
Right: 12.492 ± 33.447 χ^2/NDF : 31.8/39

In: -52.579 ± 26.947 χ^2/NDF : 34.3/41

Out: 7.724 ± 26.623 χ^2/NDF : 29.1/45

All: -22.063 ± 18.939 χ^2/NDF : 66.0/87

reg_asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.780+/-0.033 χ^2/NDF : 1392351.4/18

Left Out: 137.856+/-0.023 χ^2/NDF : 443.5/24

Right Out: 124.760+/-0.034 χ^2/NDF : 1999974.9/20

Left In: 137.804+/-0.023 χ^2/NDF : 460.3/22

Left: 137.831+/-0.016 χ^2/NDF : 906.3/47

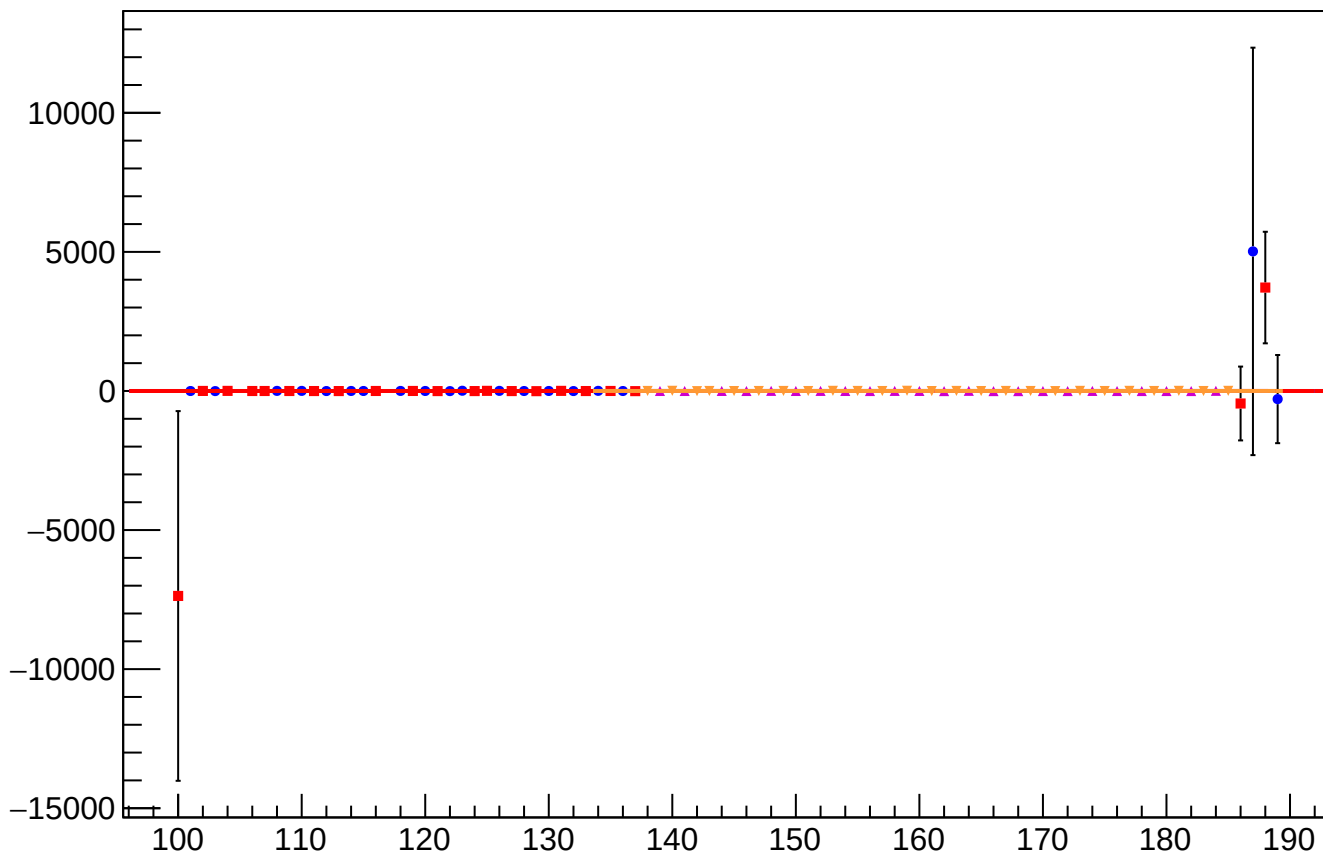
Right: 121.201+/-0.024 χ^2/NDF : 3414093.1/39

In: 131.177+/-0.019 χ^2/NDF : 1637355.6/41

Out: 133.789+/-0.019 χ^2/NDF : 2104041.9/45

All: 132.499+/-0.013 χ^2/NDF : 3750907.4/87

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left: 0.391 ± 0.407 χ^2/NDF : 49.7/47

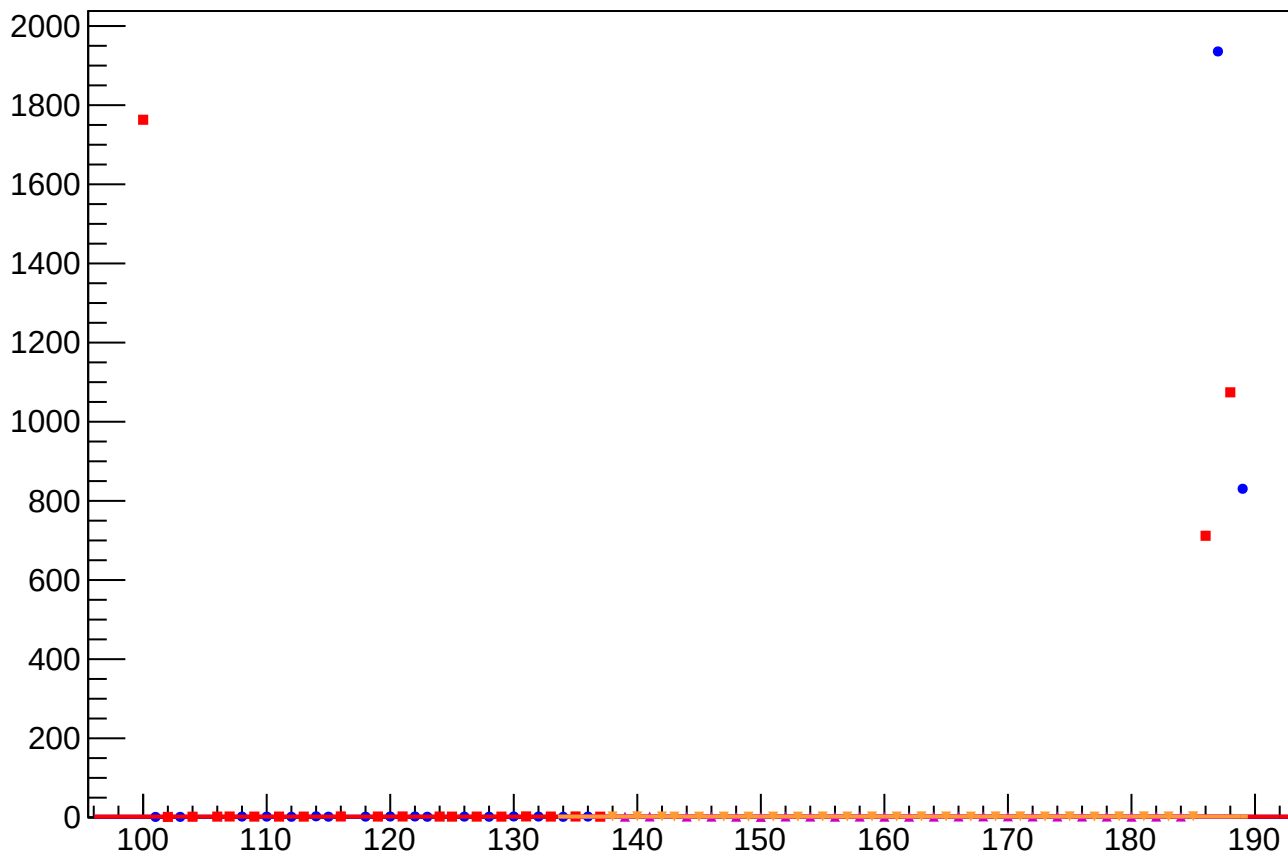
Right: -0.681 ± 0.587 χ^2/NDF : 31.0/39

In: -0.052 ± 0.471 χ^2/NDF : 34.4/41

Out: 0.139 ± 0.475 χ^2/NDF : 48.4/45

All: 0.043 ± 0.334 χ^2/NDF : 82.9/87

asym_dsr_correction_rms vs Slug, Sign Corrected



Right In: 1.866+/-0.001 χ^2/NDF : 1176080.7/18

Left Out: 2.262+/-0.000 χ^2/NDF : 374973.2/24

Right Out: 2.064+/-0.001 χ^2/NDF : 1665698.4/20

Left In: 2.193+/-0.000 χ^2/NDF : 510890.7/22

Left: 2.228+/-0.000 χ^2/NDF : 900243.0/47

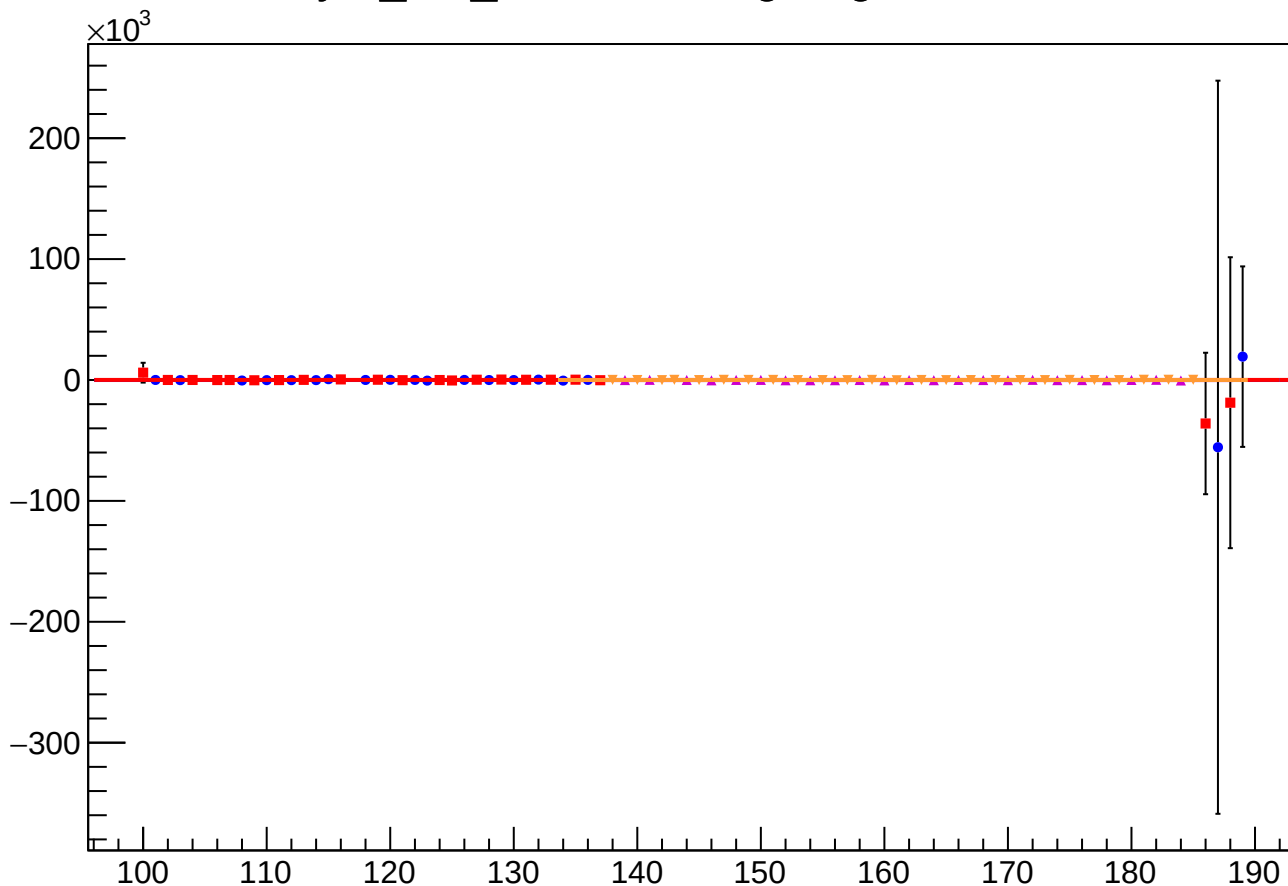
Right: 1.960+/-0.000 χ^2/NDF : 2898788.3/39

In: 2.082+/-0.000 χ^2/NDF : 1903195.9/41

Out: 2.200+/-0.000 χ^2/NDF : 2114980.5/45

All: 2.141+/-0.000 χ^2/NDF : 4080667.1/87

asym_dsr_mean vs Slug, Sign Corrected



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

Left: -38.605+/-22.983 χ^2 /NDF: 32.4/47

Right: 13.819+/-33.456 χ^2 /NDF: 32.5/39

In: -51.934+/-26.954 χ^2 /NDF:34.4/41

Out: 7.622+/-26.631 χ^2 /NDF:29.6/45

All: -21.797+/-18.944 χ^2 /NDF: 66.6/87

asym_dsr_rms vs Slug, Sign Corrected



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

Left: 137.870 $\pm$ 0.016 χ^2 /NDF: 900.6/47

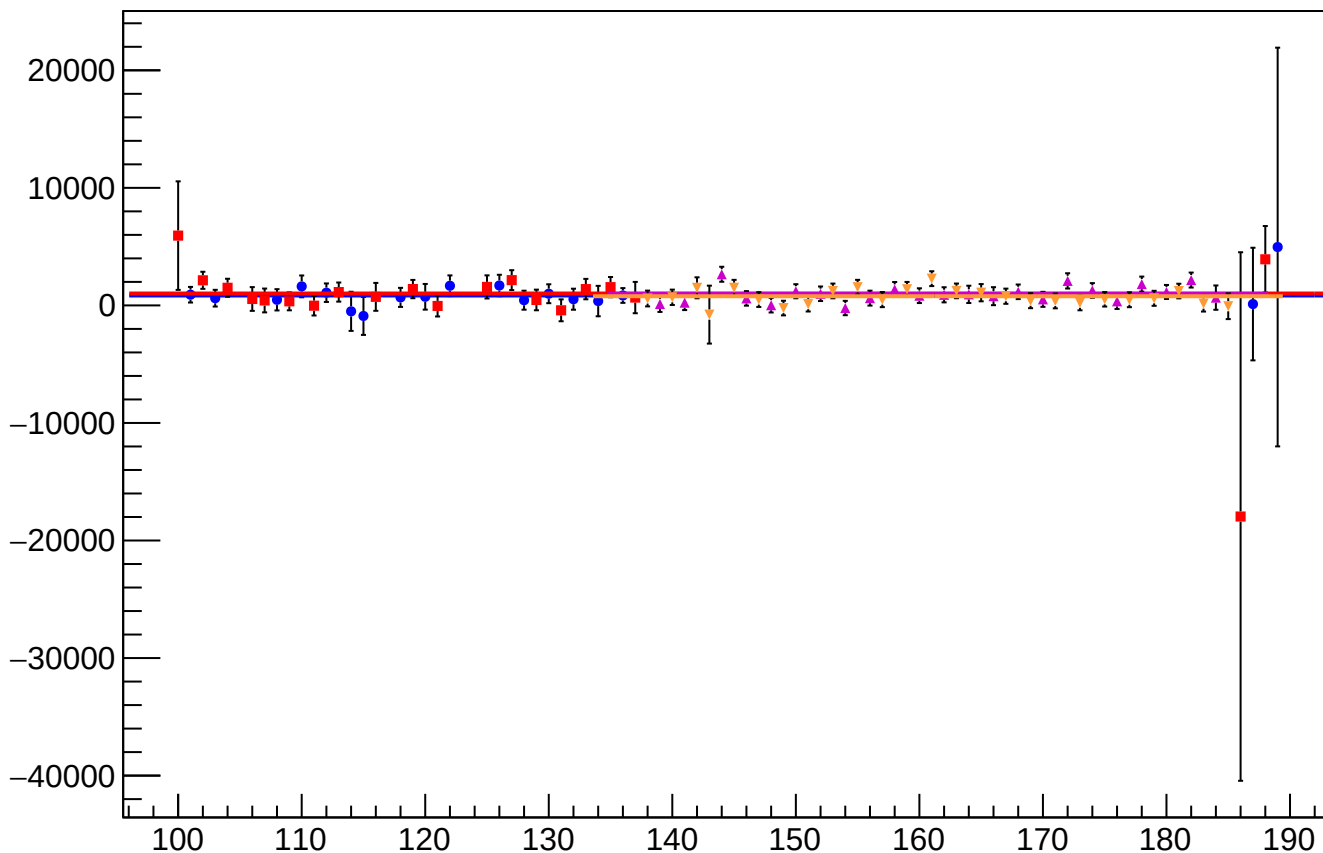
Right: 121.212 $\pm$ 0.024 χ^2 /NDF: 3424426.2/39

In: 131.214 $\pm$ 0.019 χ^2 /NDF:1637426.5/41

Out: 133.813 $\pm$ 0.019 χ^2 /NDF:2115342.7/45

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

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left: 876.294+/-95.028 χ^2/NDF : 48.1/47

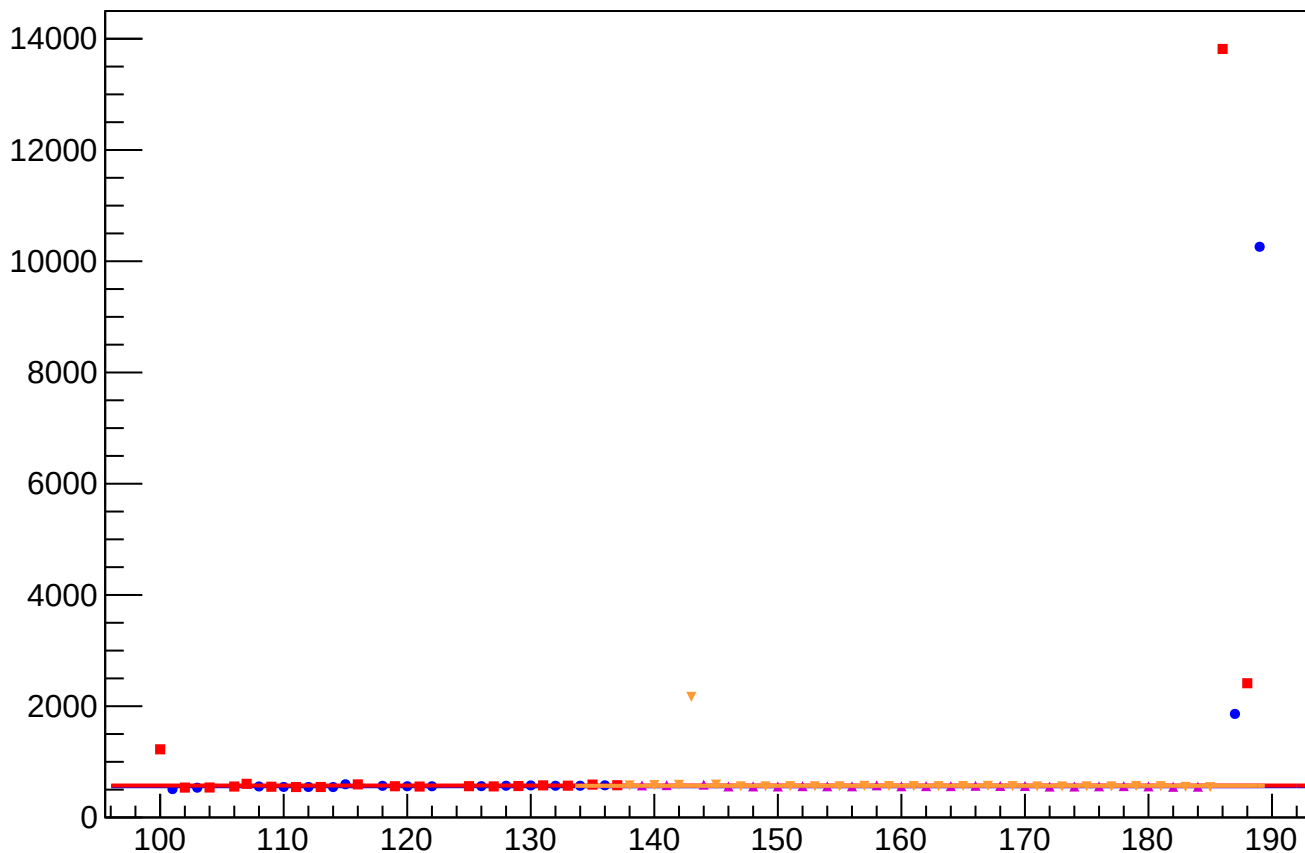
Right: 930.536+/-151.684 χ^2/NDF : 21.4/37

In: 938.521+/-114.502 χ^2/NDF : 33.0/40

Out: 845.639+/-113.282 χ^2/NDF : 36.3/44

All: 891.582+/-80.530 χ^2/NDF : 69.6/85

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left: 566.647+/-0.067 χ^2/NDF : 864040.9/47

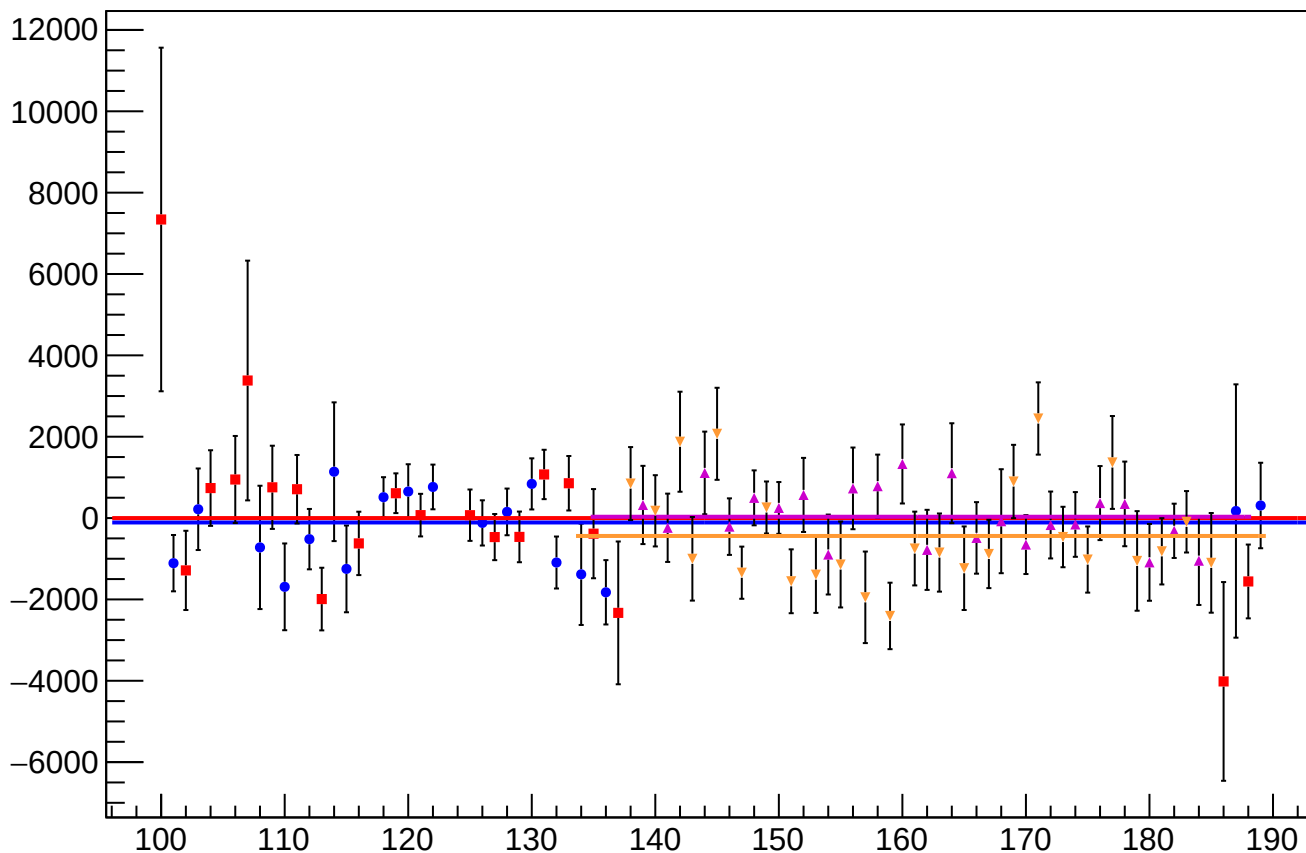
Right: 567.722+/-0.107 χ^2/NDF : 2425103.0/37

In: 563.469+/-0.081 χ^2/NDF : 830602.5/40

Out: 570.357+/-0.080 χ^2/NDF : 2454955.1/44

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

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left: -205.851+/-126.326 χ^2/NDF : 59.2/47

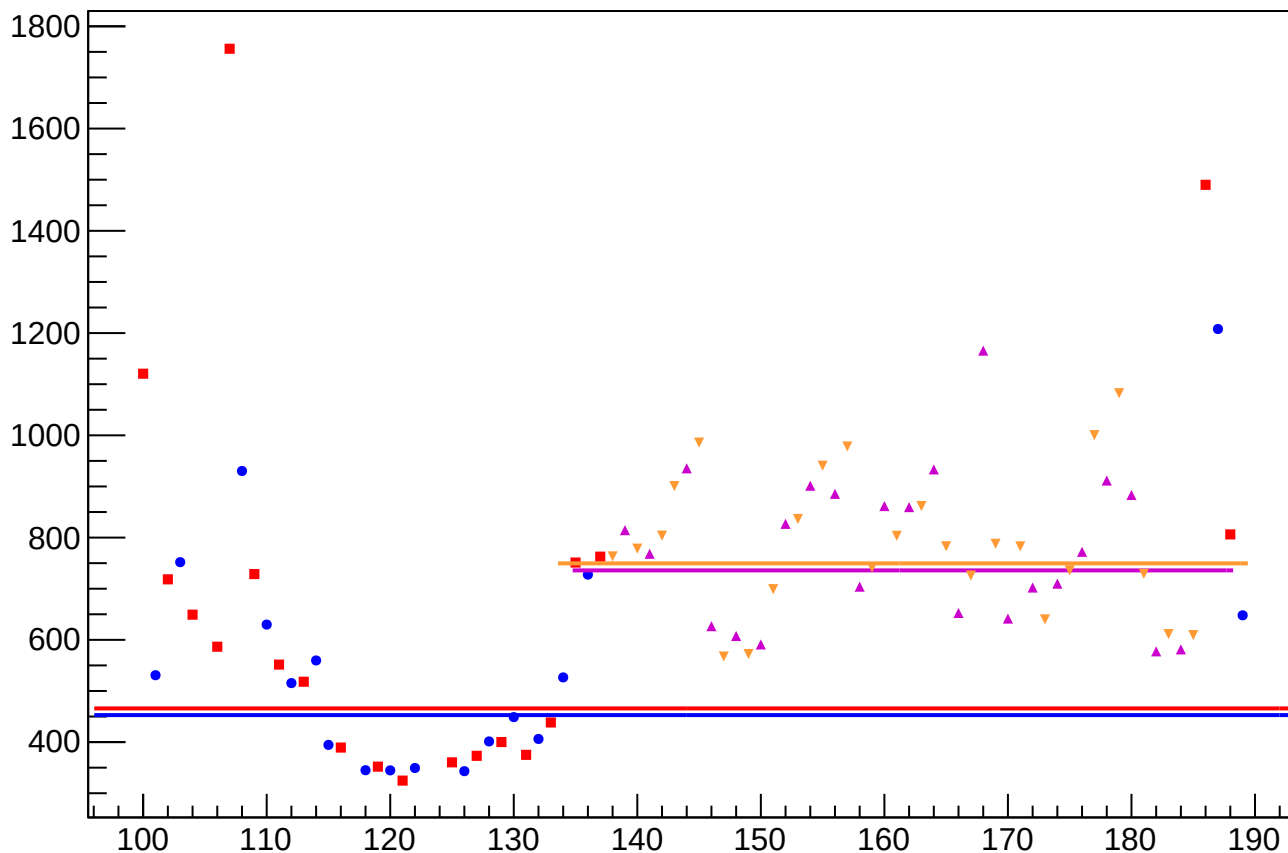
Right: -53.628+/-124.920 χ^2/NDF : 54.1/37

In: -38.645+/-126.325 χ^2/NDF : 35.2/40

Out: -217.135+/-124.921 χ^2/NDF : 77.8/44

All: -128.887+/-88.825 χ^2/NDF : 114.0/85

asym_left_avg_correction_rms vs Slug, Sign Corrected



Right In: 452.831+/-0.126 χ^2/NDF : 1243546.0/17

Left Out: 749.578+/-0.126 χ^2/NDF : 1053455.5/24

Right Out: 465.862+/-0.124 χ^2/NDF : 2110013.7/19

Left In: 735.850+/-0.127 χ^2/NDF : 1105405.5/22

Left: 742.773+/-0.089 χ^2/NDF : 2164765.1/47

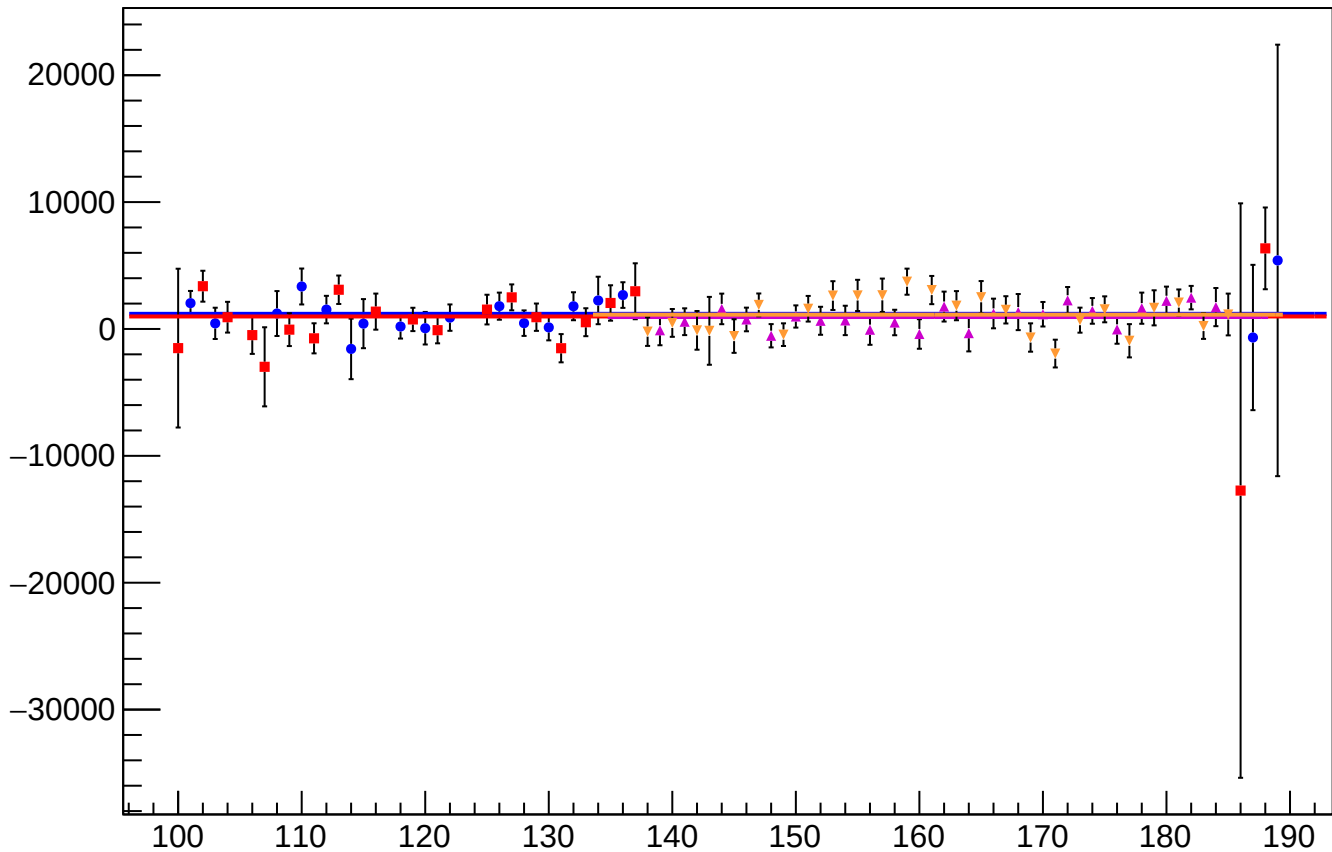
Right: 459.436+/-0.088 χ^2/NDF : 3358999.4/37

In: 593.112+/-0.089 χ^2/NDF : 4858477.5/40

Out: 605.783+/-0.088 χ^2/NDF : 5742068.8/44

All: 599.519+/-0.063 χ^2/NDF : 10610719.7/85

asym_left_avg_mean vs Slug, Sign Corrected



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

Left: 1035.284 $\pm$ 161.335 χ^2 /NDF: 54.2/47

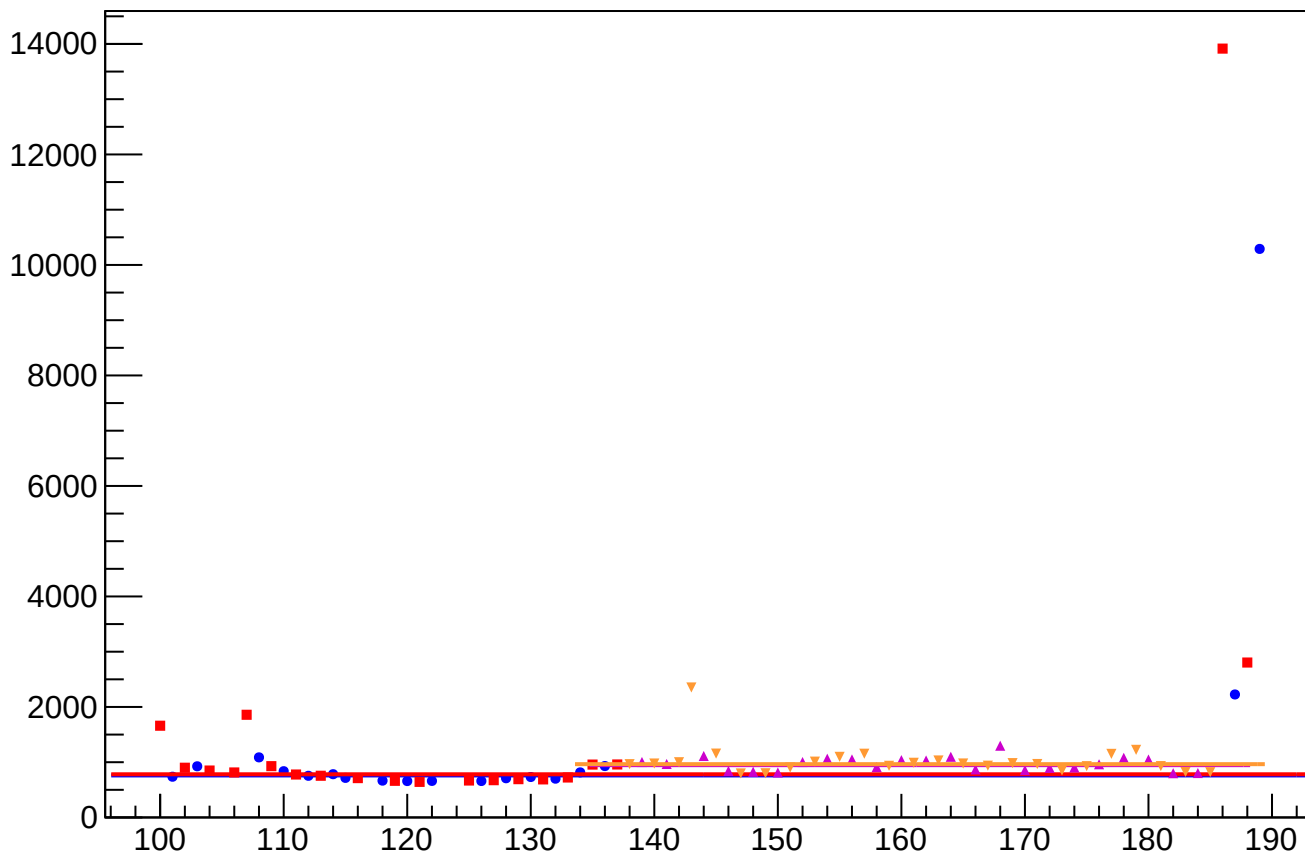
Right: 1087.900 $\pm$ 208.108 χ^2 /NDF: 38.4/37

In: 1035.382 $\pm$ 180.710 χ^2 /NDF:27.1/40

Out: 1074.520 $\pm$ 179.935 χ^2 /NDF:65.5/44

All: 1055.035 $\pm$ 127.506 χ^2 /NDF: 92.7/85

asym_left_avg_rms vs Slug, Sign Corrected



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

Left: 955.545+/-0.114 χ^2/NDF : 1510298.5/47

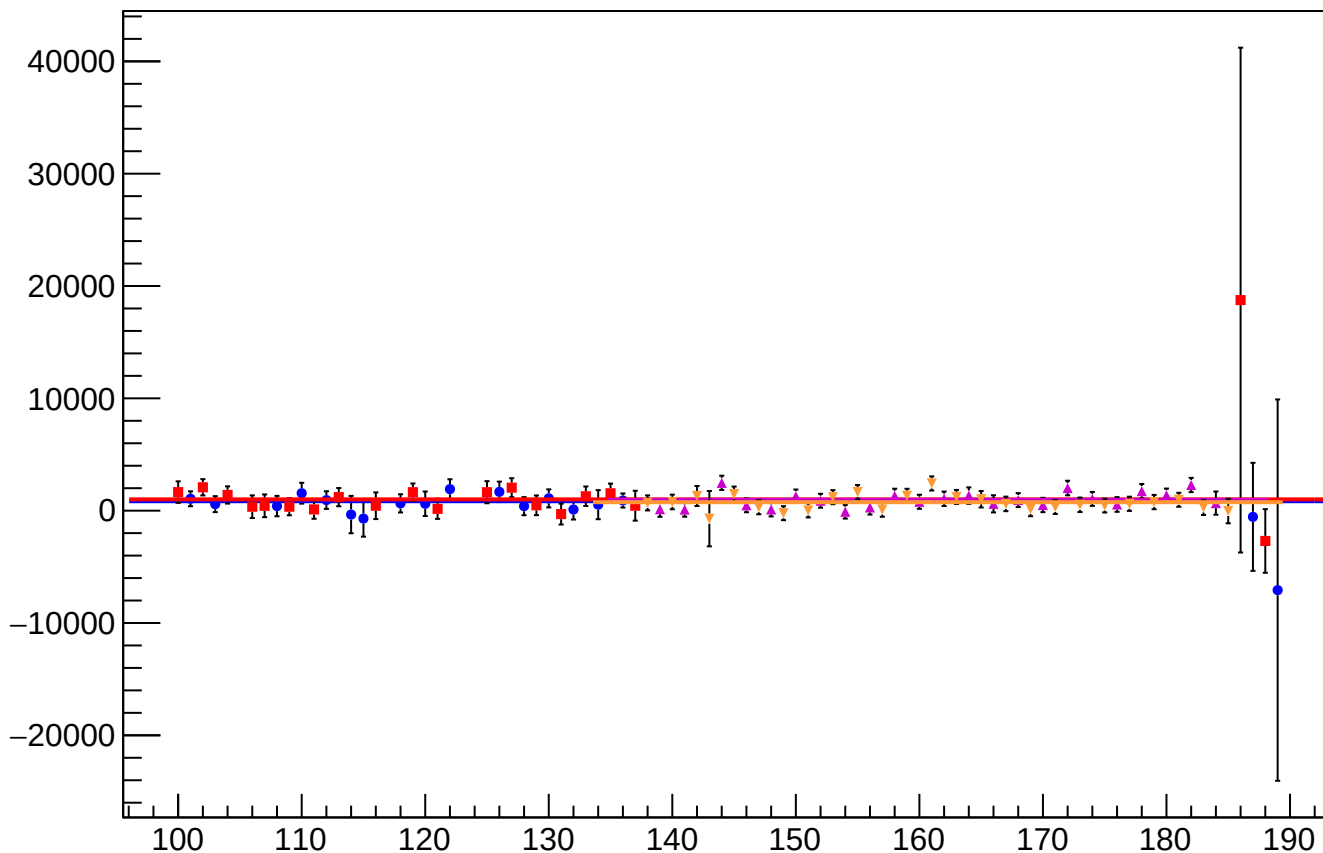
Right: 771.103+/-0.147 χ^2/NDF : 2998964.3/37

In: 877.102+/-0.128 χ^2/NDF : 2007397.5/40

Out: 895.433+/-0.127 χ^2/NDF : 3472783.5/44

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

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left: 855.088+/-94.951 χ^2/NDF : 49.4/47

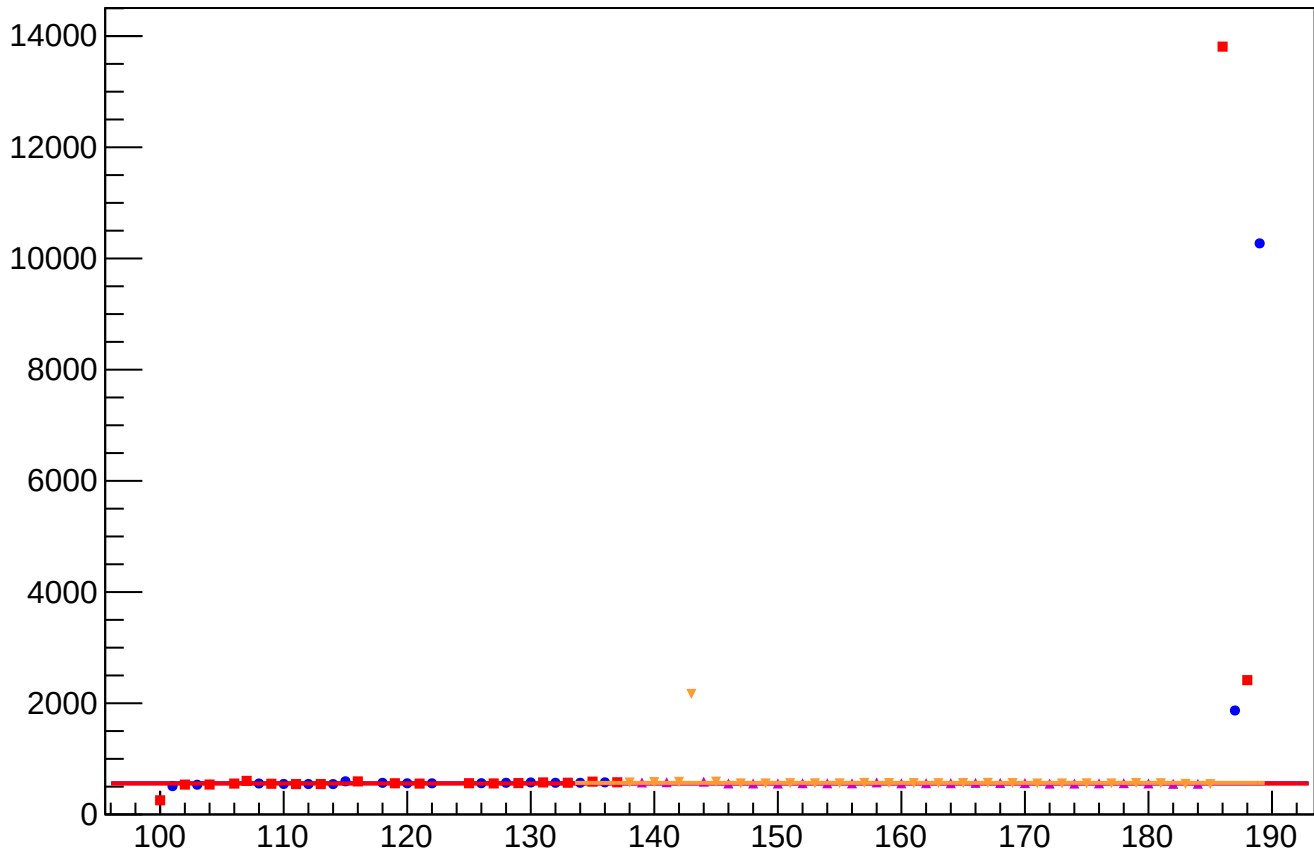
Right: 926.218+/-149.786 χ^2/NDF : 21.4/37

In: 925.697+/-114.411 χ^2/NDF : 33.4/40

Out: 826.972+/-112.442 χ^2/NDF : 37.1/44

All: 875.477+/-80.196 χ^2/NDF : 70.9/85

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left: 566.185 $\pm$ 0.067 χ^2 /NDF: 864323.4/47

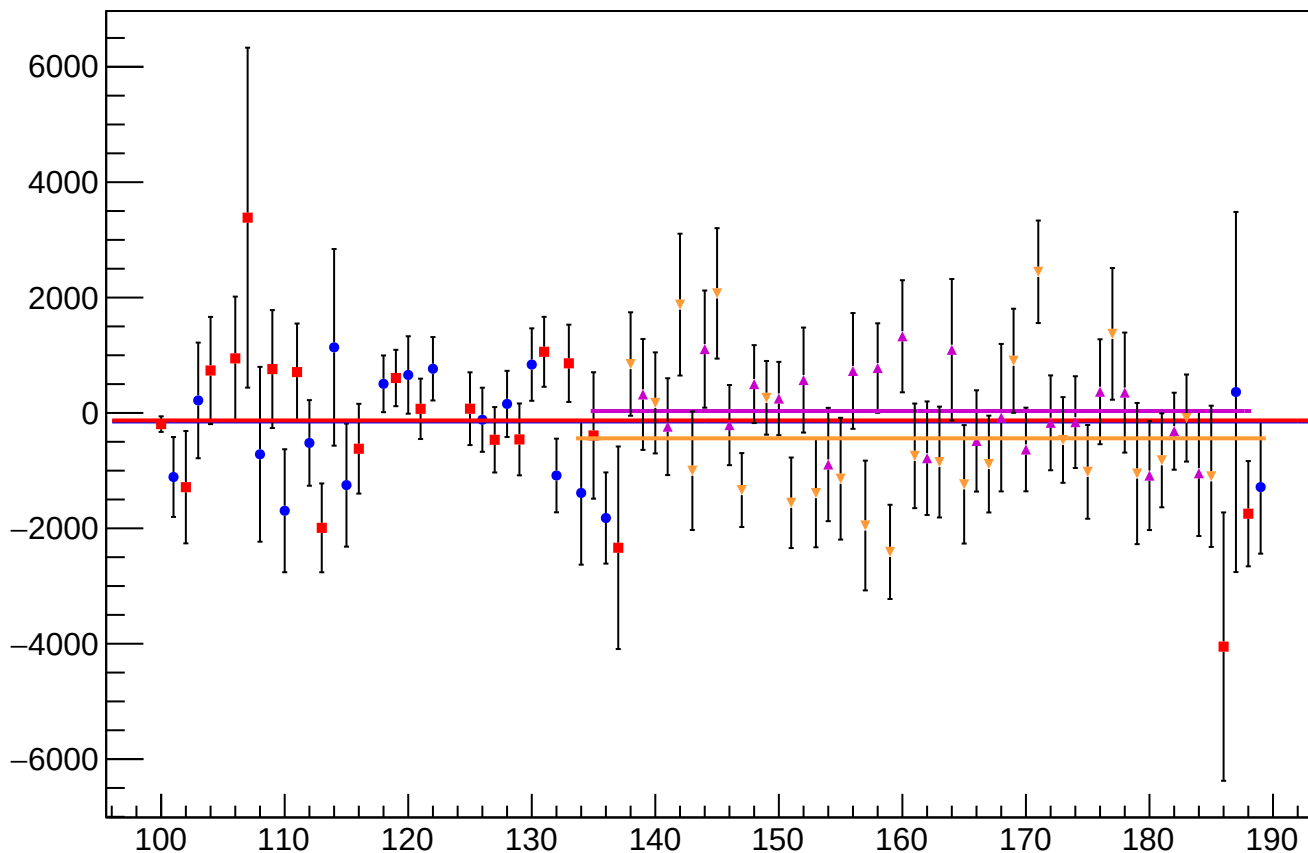
Right: 558.941 $\pm$ 0.106 χ^2 /NDF: 2593136.7/37

In: 563.020 $\pm$ 0.081 χ^2 /NDF: 831658.1/40

Out: 565.160 $\pm$ 0.080 χ^2 /NDF: 2628783.3/44

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

asym_left_dd_correction_mean vs Slug, Sign Corrected



Right In: -147.368 ± 178.234 $\chi^2/\text{NDF}: 23.5/17$

Left Out: -439.659 ± 177.808 $\chi^2/\text{NDF}: 43.6/24$

Right Out: -129.818 ± 106.993 $\chi^2/\text{NDF}: 29.7/19$

Left In: 33.325 ± 179.355 $\chi^2/\text{NDF}: 12.1/22$

Left: -205.215 ± 126.273 $\chi^2/\text{NDF}: 59.2/47$

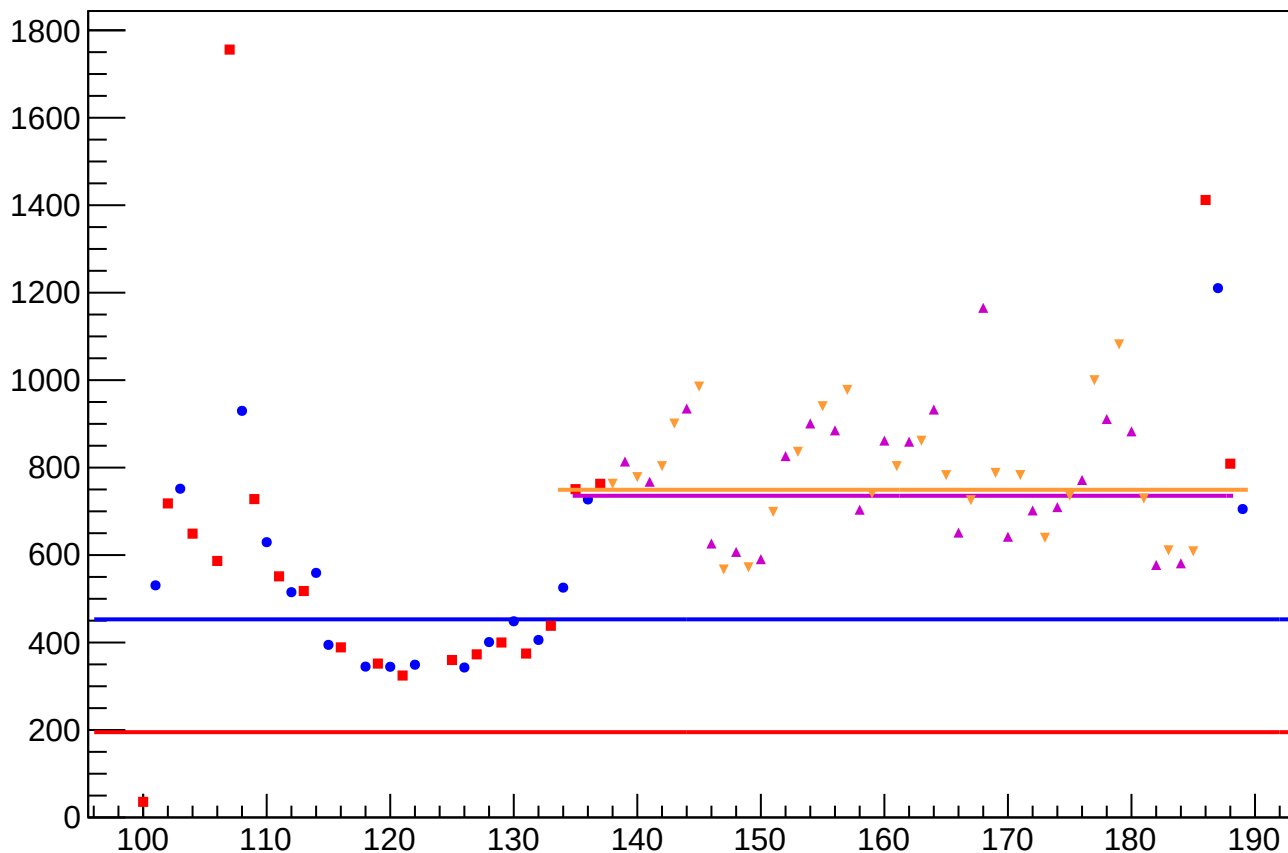
Right: -134.467 ± 91.734 $\chi^2/\text{NDF}: 53.3/37$

In: -57.588 ± 126.425 $\chi^2/\text{NDF}: 36.2/40$

Out: -212.183 ± 91.676 $\chi^2/\text{NDF}: 75.6/44$

All: -158.907 ± 74.217 $\chi^2/\text{NDF}: 112.7/85$

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left: 742.466+/-0.089 χ^2/NDF : 2165483.4/47

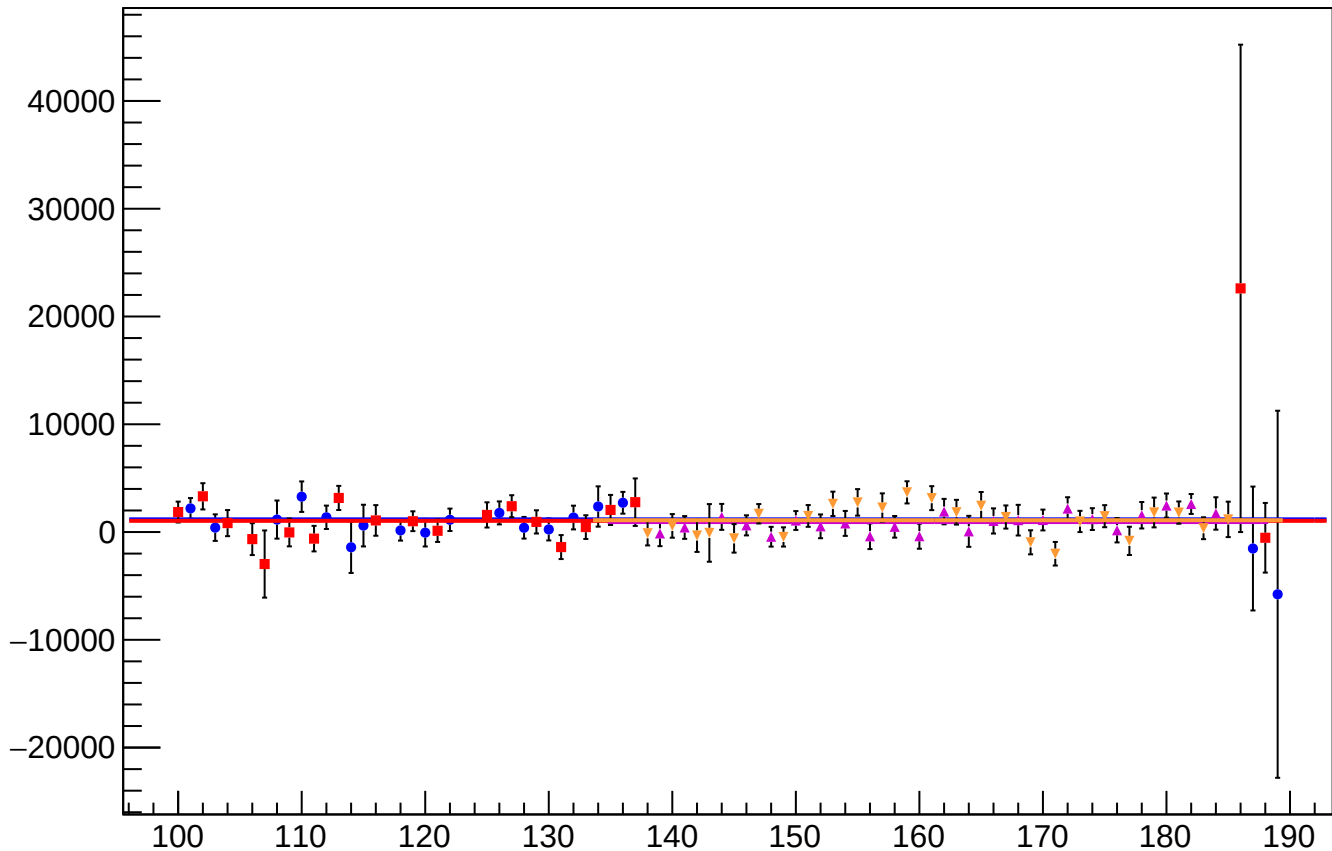
Right: 263.373+/-0.065 χ^2/NDF : 13897964.1/37

In: 593.394+/-0.089 χ^2/NDF : 4872610.0/40

Out: 342.365+/-0.065 χ^2/NDF : 24867918.0/44

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

asym_left_dd_mean vs Slug, Sign Corrected



Right In: 1177.688+/-295.461 χ^2/NDF : 12.0/17

Left Out: 1096.531+/-227.868 χ^2/NDF : 38.4/24

Right Out: 1039.066+/-280.551 χ^2/NDF : 23.6/19

Left In: 926.281+/-228.196 χ^2/NDF : 15.1/22

Left: 1011.528+/-161.243 χ^2/NDF : 53.8/47

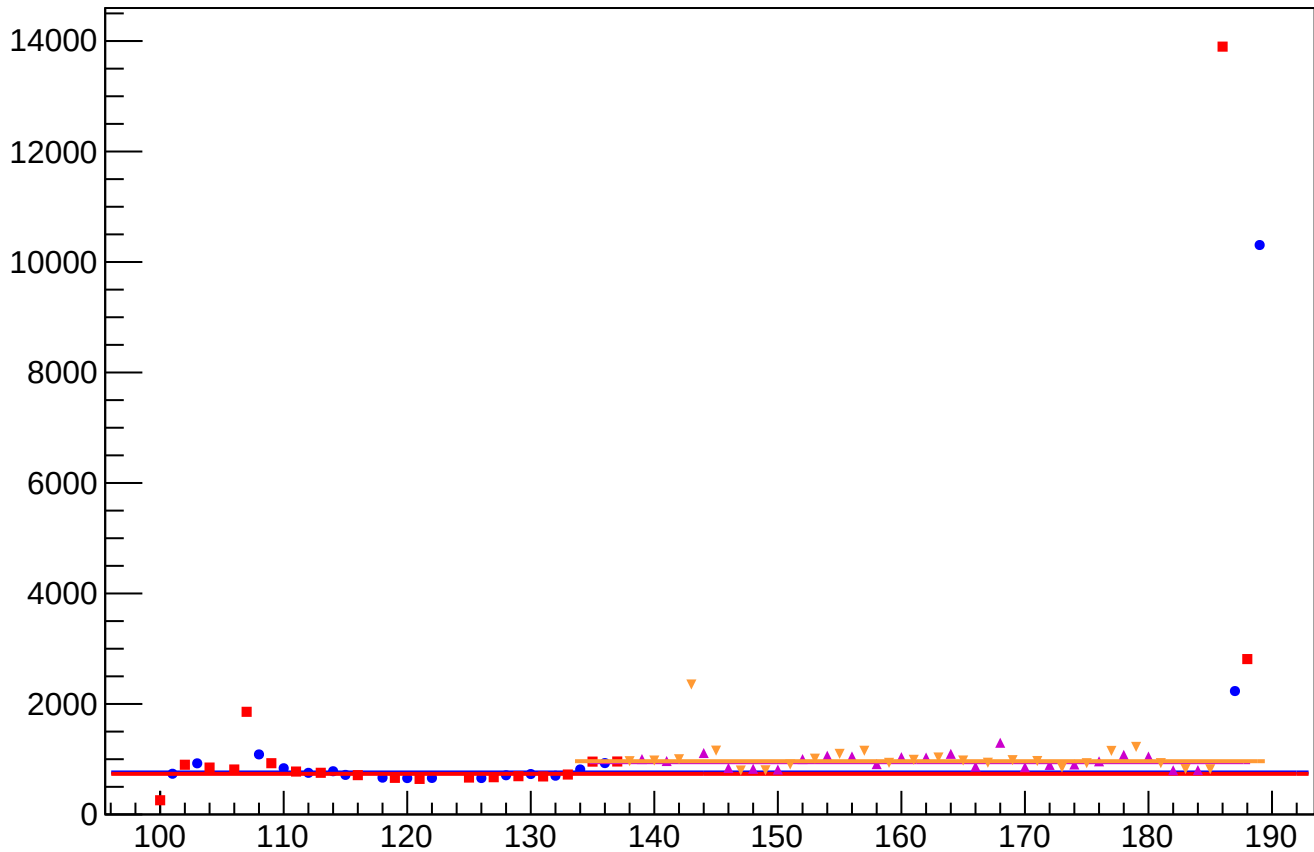
Right: 1104.791+/-203.447 χ^2/NDF : 35.7/37

In: 1020.215+/-180.602 χ^2/NDF : 27.6/40

Out: 1073.690+/-176.876 χ^2/NDF : 62.1/44

All: 1047.510+/-126.367 χ^2/NDF : 89.7/85

asym_left_dd_rms vs Slug, Sign Corrected



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

Left: 955.000+/-0.114 χ^2/NDF : 1510694.5/47

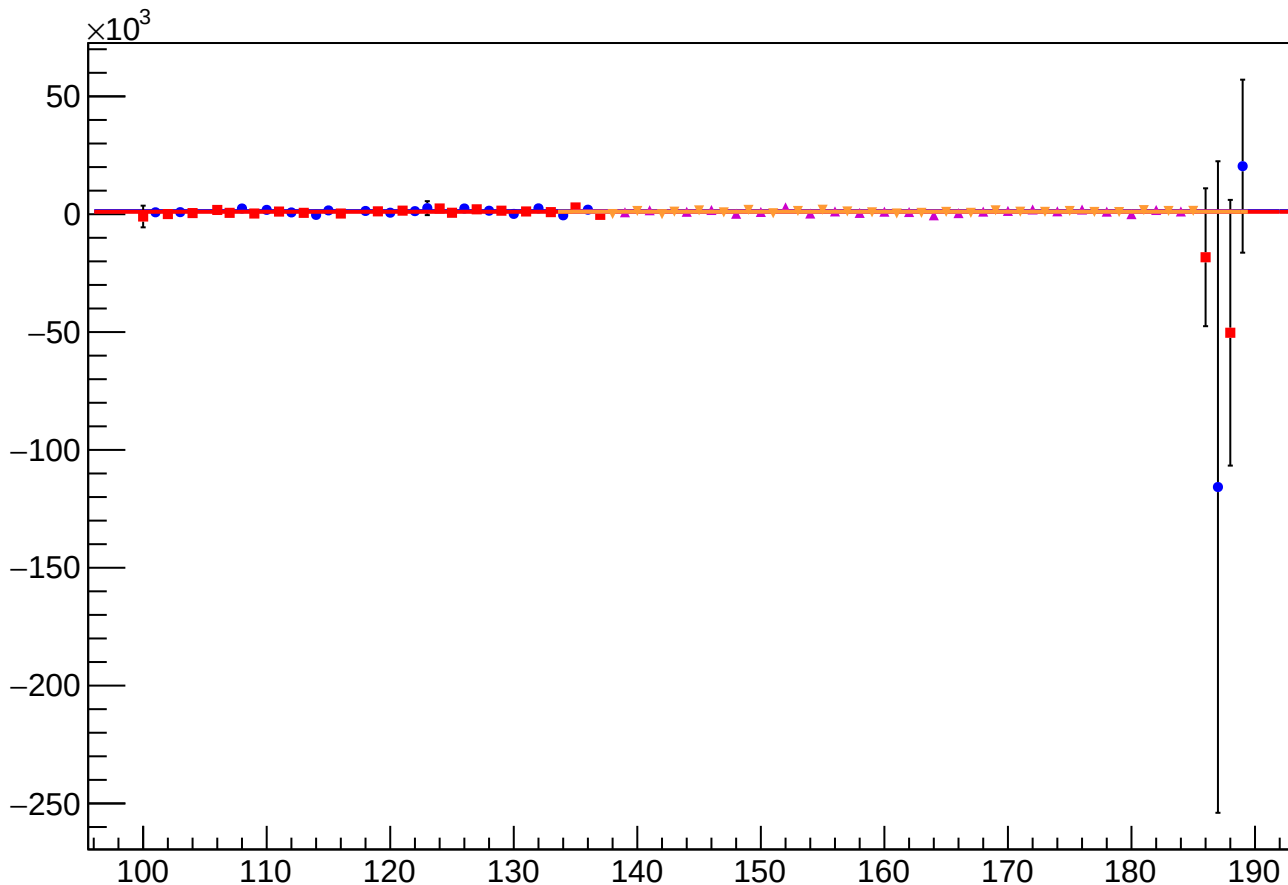
Right: 746.974+/-0.144 χ^2/NDF : 3497586.0/37

In: 876.560+/-0.128 χ^2/NDF : 2009349.7/40

Out: 872.999+/-0.125 χ^2/NDF : 4282849.4/44

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

reg_asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1324.435 $\pm$ 218.596 χ^2 /NDF: 13.8/18

Left Out: 1073.626 $\pm$ 129.690 χ^2 /NDF:15.1/24

Right Out: 1038.760 $\pm$ 212.072 χ^2 /NDF: 14.8/20

Left In: 1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

Left: 1098.077 $\pm$ 92.908 χ^2 /NDF: 45.2/47

Right: 1177.272 $\pm$ 152.212 χ^2 /NDF: 29.4/39

In: 1178.144 $\pm$ 113.724 χ^2 /NDF:44.4/41

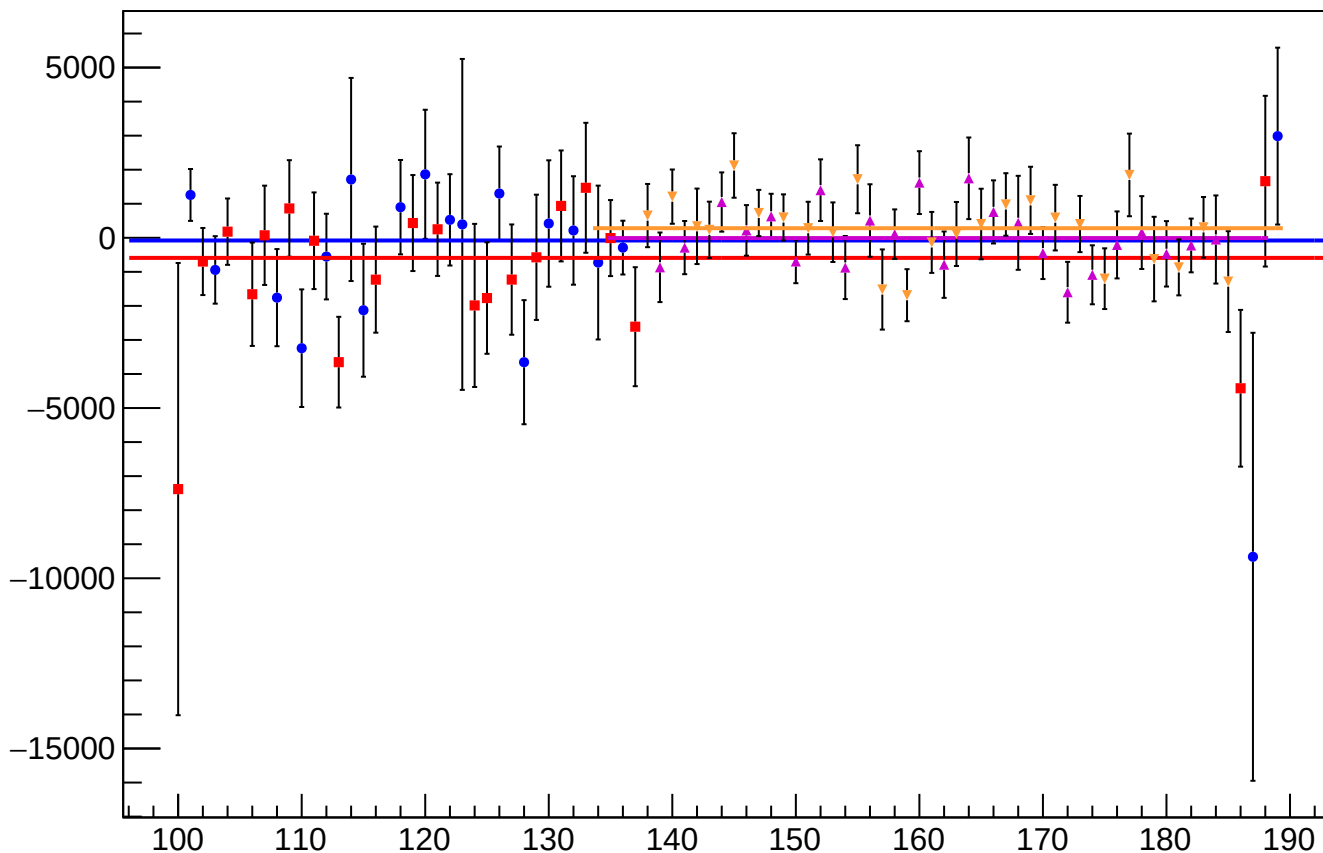
Out: 1064.136 $\pm$ 110.641 χ^2 /NDF:29.9/45

All: 1119.574 $\pm$ 79.302 χ^2 /NDF: 74.8/87

reg_asym_right_avg_rms vs Slug, Sign Corrected



asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left: 139.190 ± 128.612 χ^2/NDF : 48.2/47

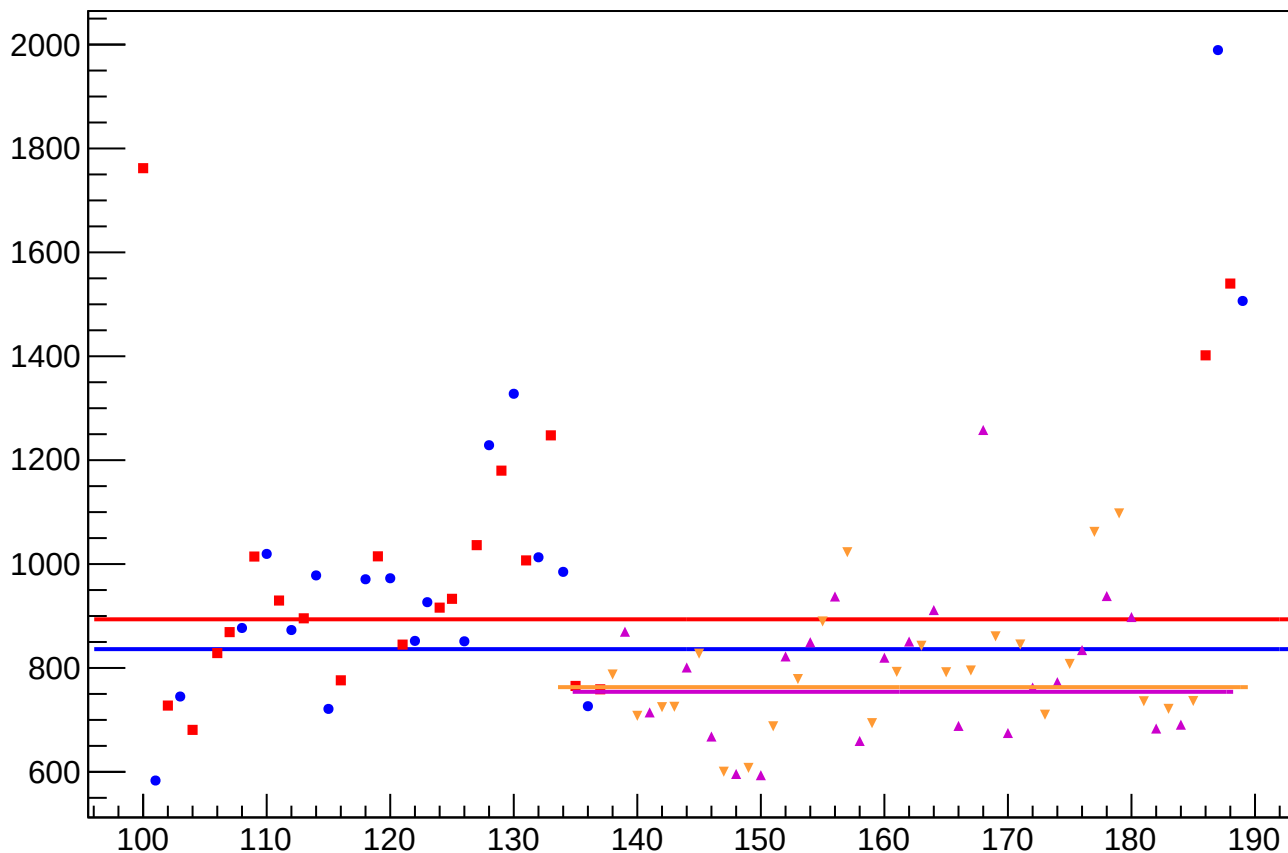
Right: -333.353 ± 230.522 χ^2/NDF : 39.8/39

In: -25.279 ± 159.744 χ^2/NDF : 40.6/41

Out: 78.142 ± 157.943 χ^2/NDF : 50.3/45

All: 27.018 ± 112.314 χ^2/NDF : 91.2/87

asym_right_avg_correction_rms vs Slug, Sign Corrected



Right In: 836.239+/-0.230 χ^2/NDF : 804758.6/18

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

Right Out: 893.652+/-0.231 χ^2/NDF : 647526.8/20

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

Left: 758.665+/-0.091 χ^2/NDF : 1687969.6/47

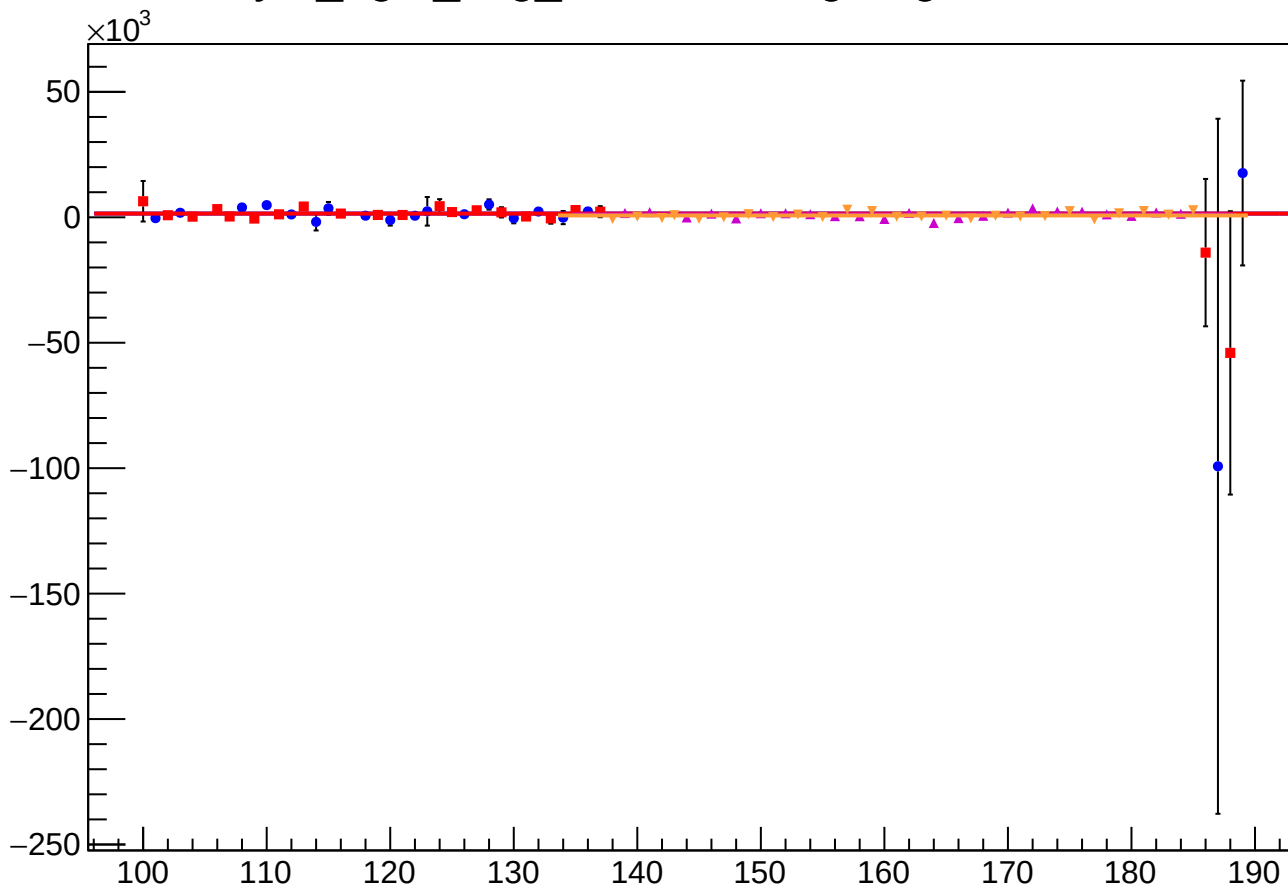
Right: 864.817+/-0.163 χ^2/NDF : 1483299.0/39

In: 773.909+/-0.113 χ^2/NDF : 1833365.9/41

Out: 793.594+/-0.112 χ^2/NDF : 1645970.3/45

All: 783.863+/-0.079 χ^2/NDF : 3494692.8/87

asym_right_avg_mean vs Slug, Sign Corrected



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

Left: 928.287 $\pm$ 161.055 χ^2/NDF : 48.3/47

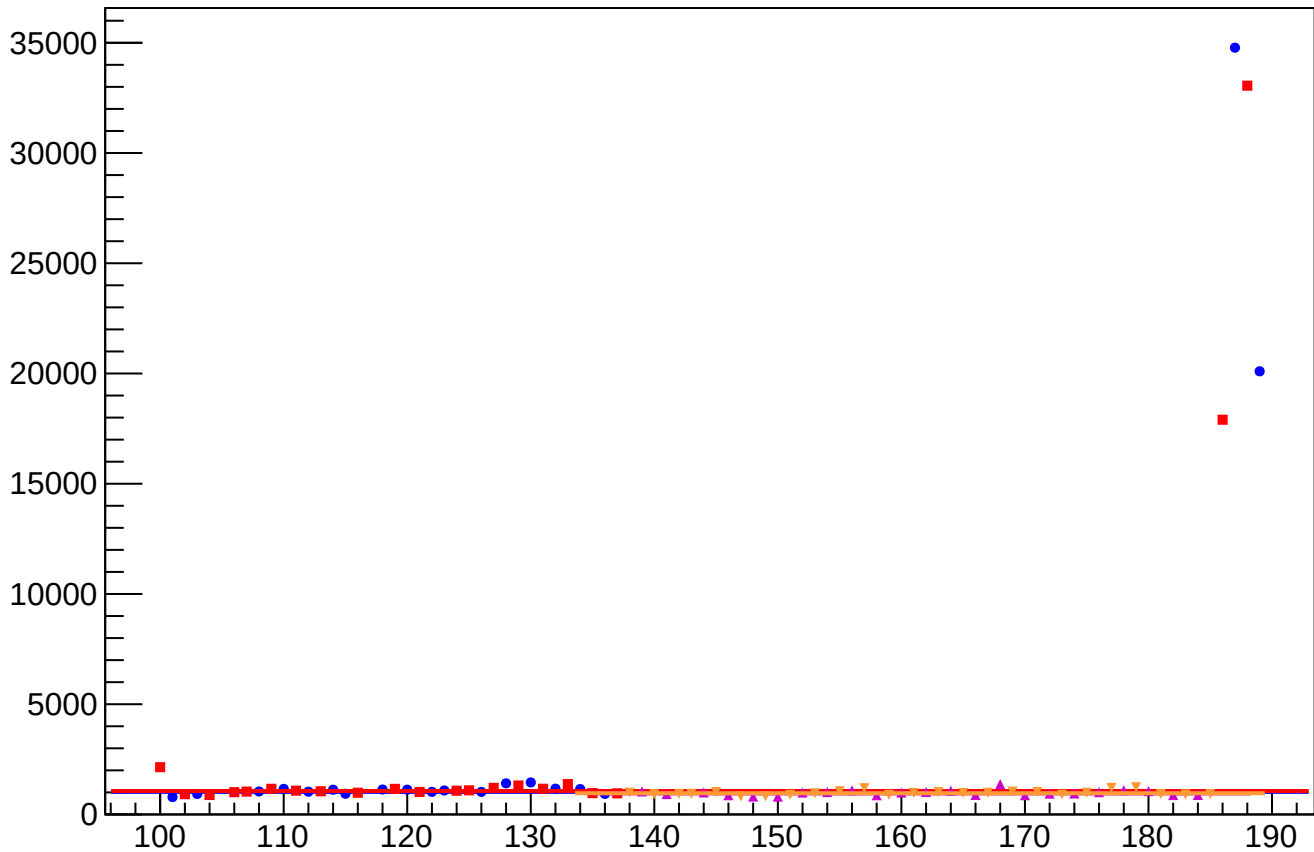
Right: 1490.512 $\pm$ 284.011 χ^2/NDF : 31.1/39

In: 1216.752 $\pm$ 199.756 χ^2/NDF : 43.8/41

Out: 918.276 $\pm$ 196.538 χ^2/NDF : 37.4/45

All: 1065.091 $\pm$ 140.097 χ^2/NDF : 82.4/87

asym_right_avg_rms vs Slug, Sign Corrected



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

Left: 958.525+/-0.114 χ^2/NDF : 807449.1/47

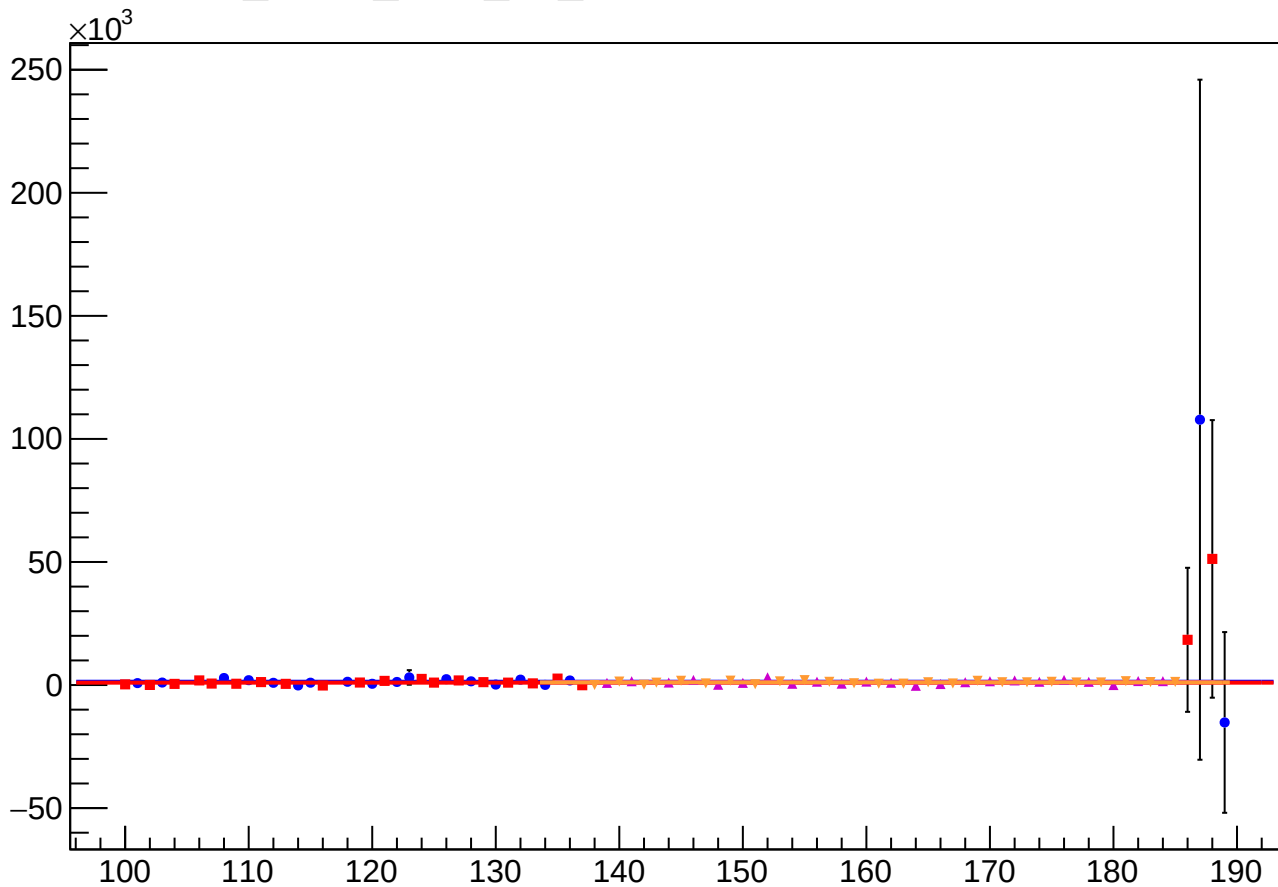
Right: 1043.740+/-0.201 χ^2/NDF : 2559202.9/39

In: 971.862+/-0.141 χ^2/NDF : 1489449.8/41

Out: 986.421+/-0.139 χ^2/NDF : 2008042.1/45

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

reg_asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1345.080 $\pm$ 218.850 χ^2 /NDF: 12.8/18

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

Right Out: 967.011 $\pm$ 208.607 χ^2 /NDF: 13.4/20

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

Left: 1137.202 $\pm$ 93.008 χ^2 /NDF: 47.4/47

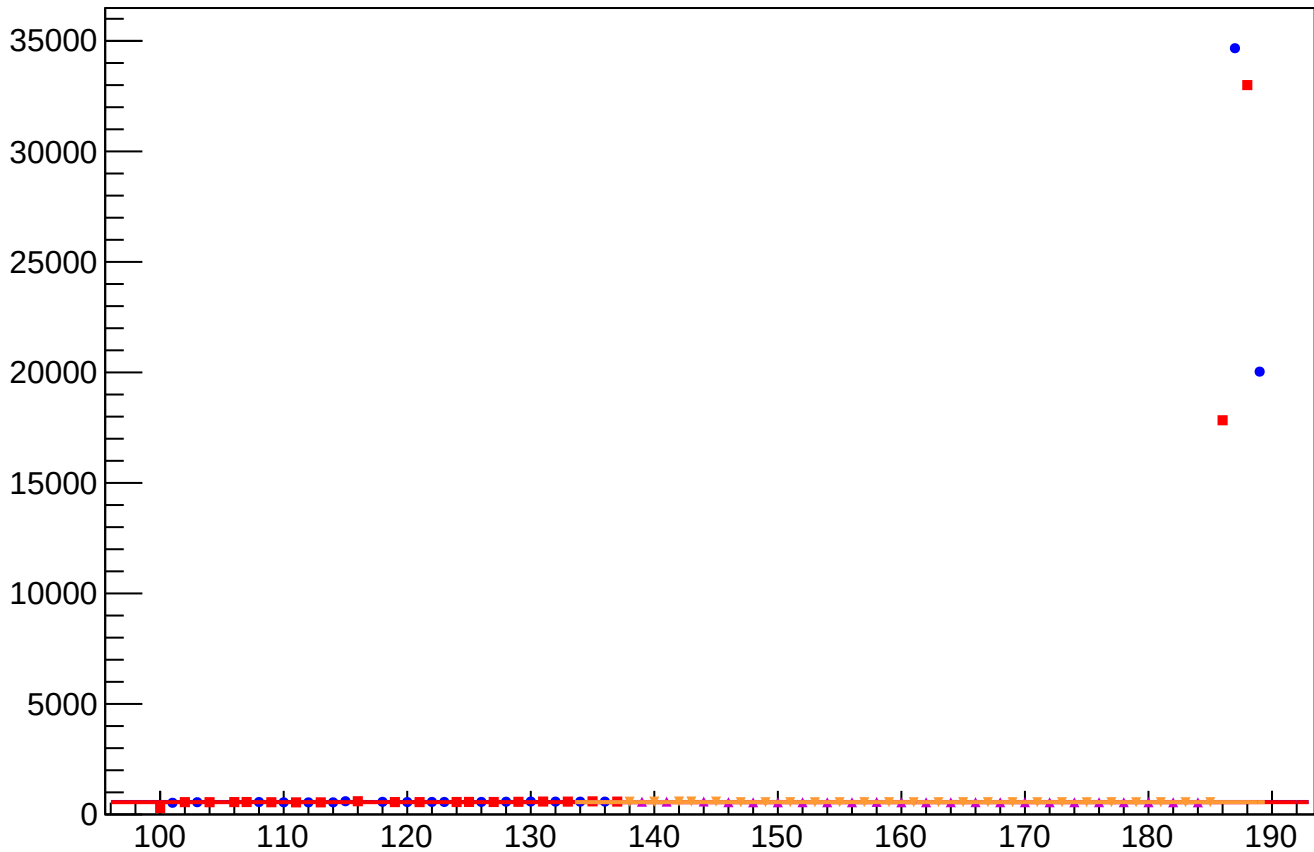
Right: 1146.991 $\pm$ 150.999 χ^2 /NDF: 27.7/39

In: 1231.593 $\pm$ 113.853 χ^2 /NDF: 45.3/41

Out: 1053.954 $\pm$ 110.221 χ^2 /NDF: 28.5/45

All: 1139.895 $\pm$ 79.191 χ^2 /NDF: 75.1/87

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left: 557.854+/-0.066 χ^2/NDF : 26076.6/47

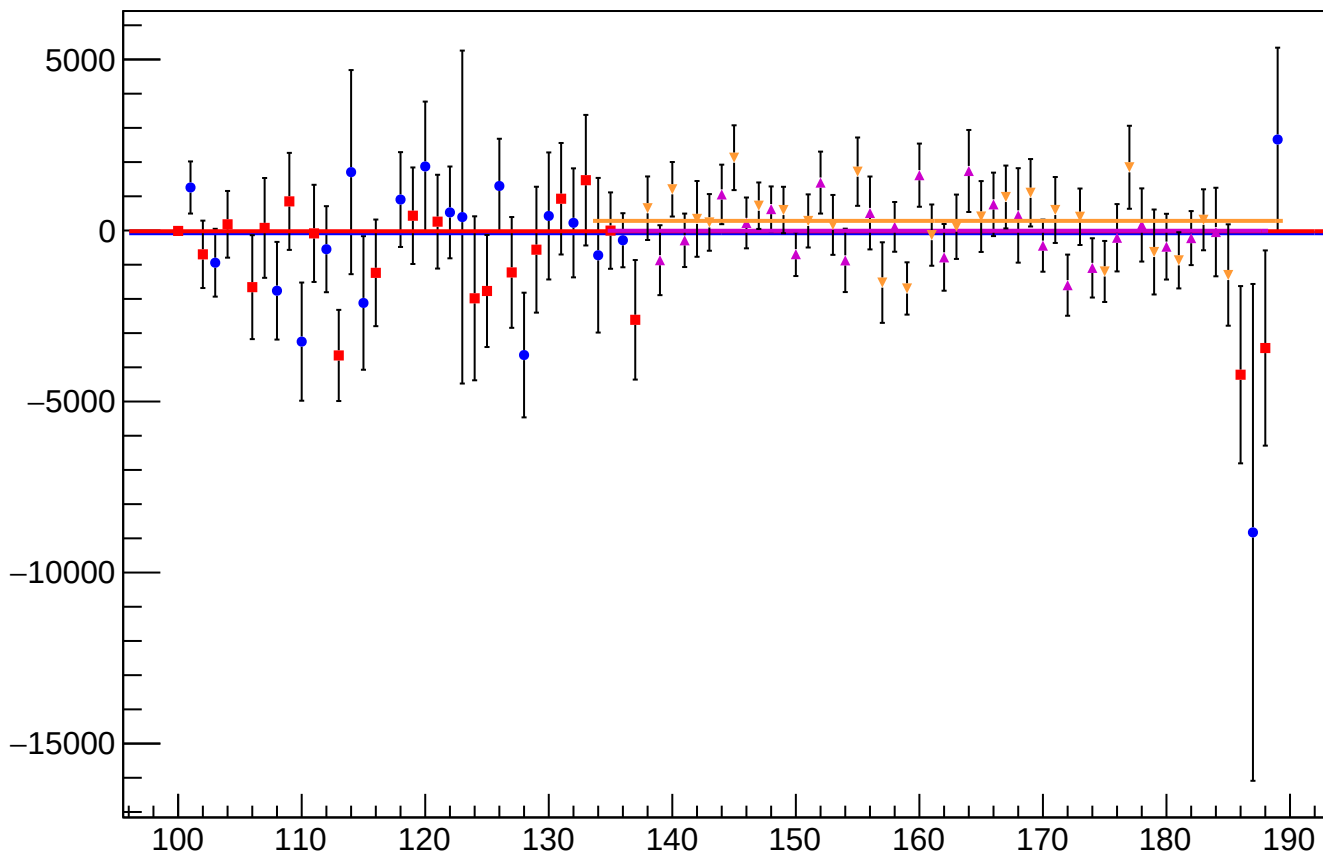
Right: 560.159+/-0.107 χ^2/NDF : 2217634.5/39

In: 559.589+/-0.081 χ^2/NDF : 718894.3/41

Out: 557.456+/-0.078 χ^2/NDF : 1524792.0/45

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

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left: 139.424 ± 128.663 χ^2/NDF : 48.2/47

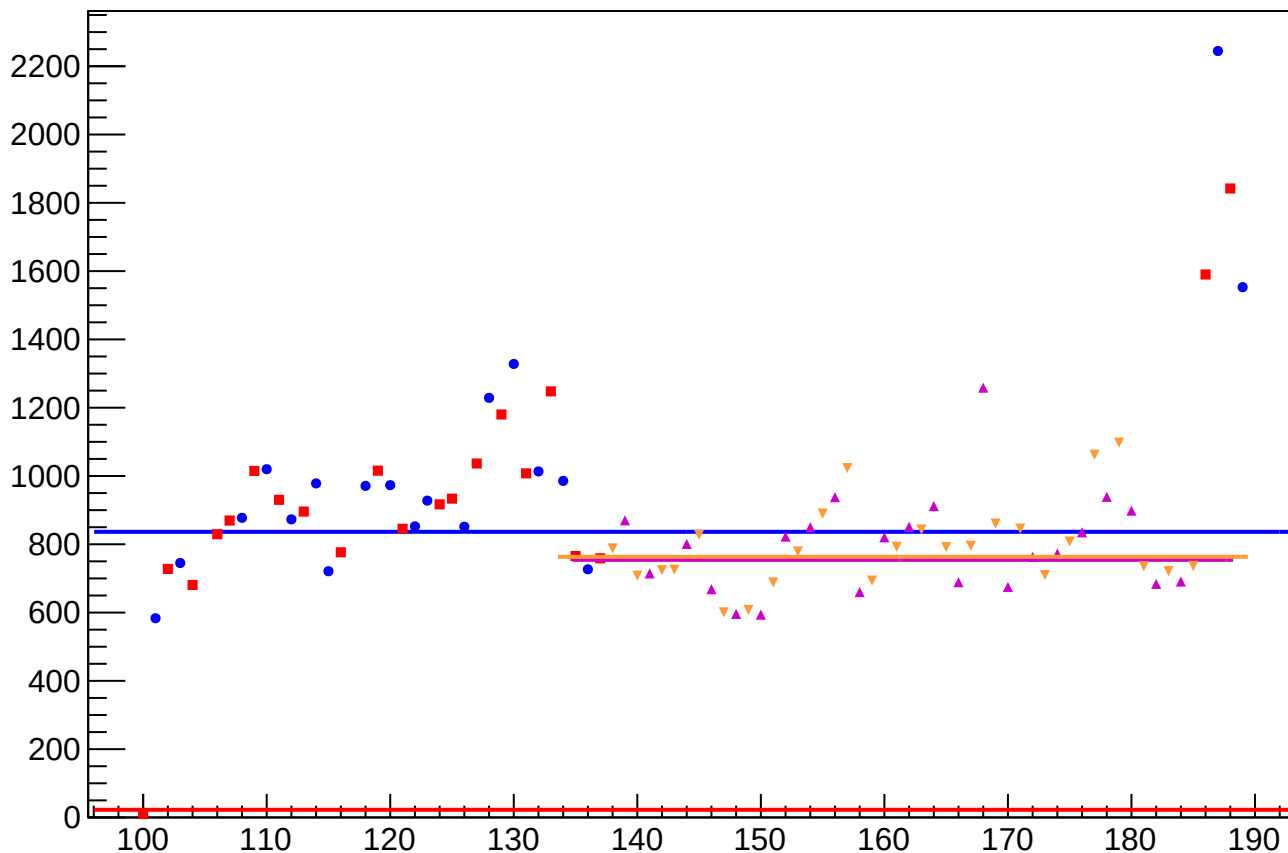
Right: -22.479 ± 38.671 χ^2/NDF : 39.5/39

In: -24.693 ± 159.844 χ^2/NDF : 39.7/41

Out: -8.178 ± 38.071 χ^2/NDF : 49.4/45

All: -9.065 ± 37.035 χ^2/NDF : 89.1/87

asym_right_dd_correction_rms vs Slug, Sign Corrected



Right In: 836.508 $\pm$ 0.230 χ^2 /NDF: 827671.7/18

Left Out: 763.307 $\pm$ 0.128 χ^2 /NDF: 753728.9/24

Right Out: 22.464 $\pm$ 0.028 χ^2 /NDF: 15023878.9/20

Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

Left: 758.967 $\pm$ 0.091 χ^2 /NDF: 1687616.8/47

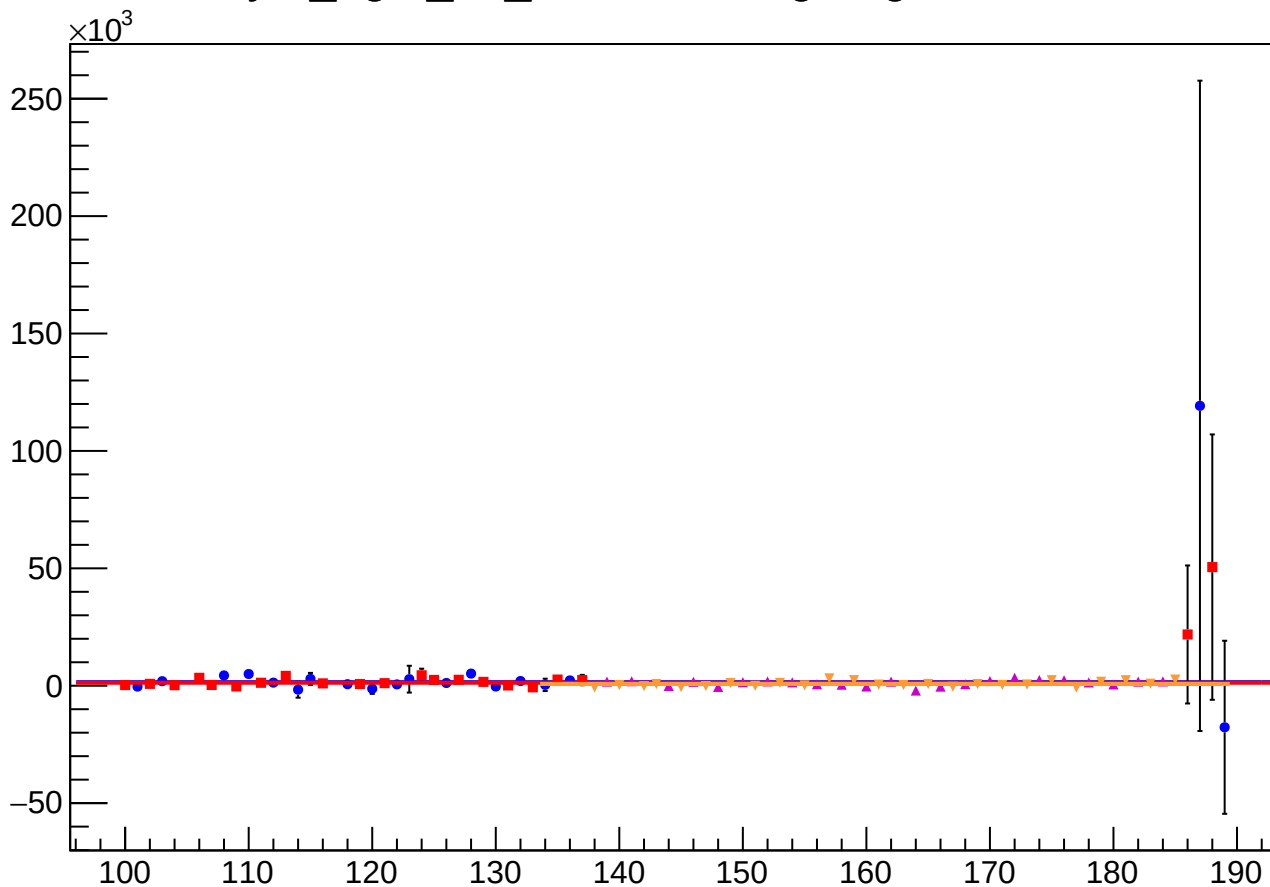
Right: 33.947 $\pm$ 0.027 χ^2 /NDF: 28175798.1/39

In: 774.250 $\pm$ 0.113 χ^2 /NDF: 1855542.7/41

Out: 55.430 $\pm$ 0.027 χ^2 /NDF: 47978245.5/45

All: 94.017 $\pm$ 0.026 χ^2 /NDF: 88108763.4/87

asym_right_dd_mean vs Slug, Sign Corrected



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

Left: 955.211 $\pm$ 161.156 χ^2 /NDF: 46.3/47

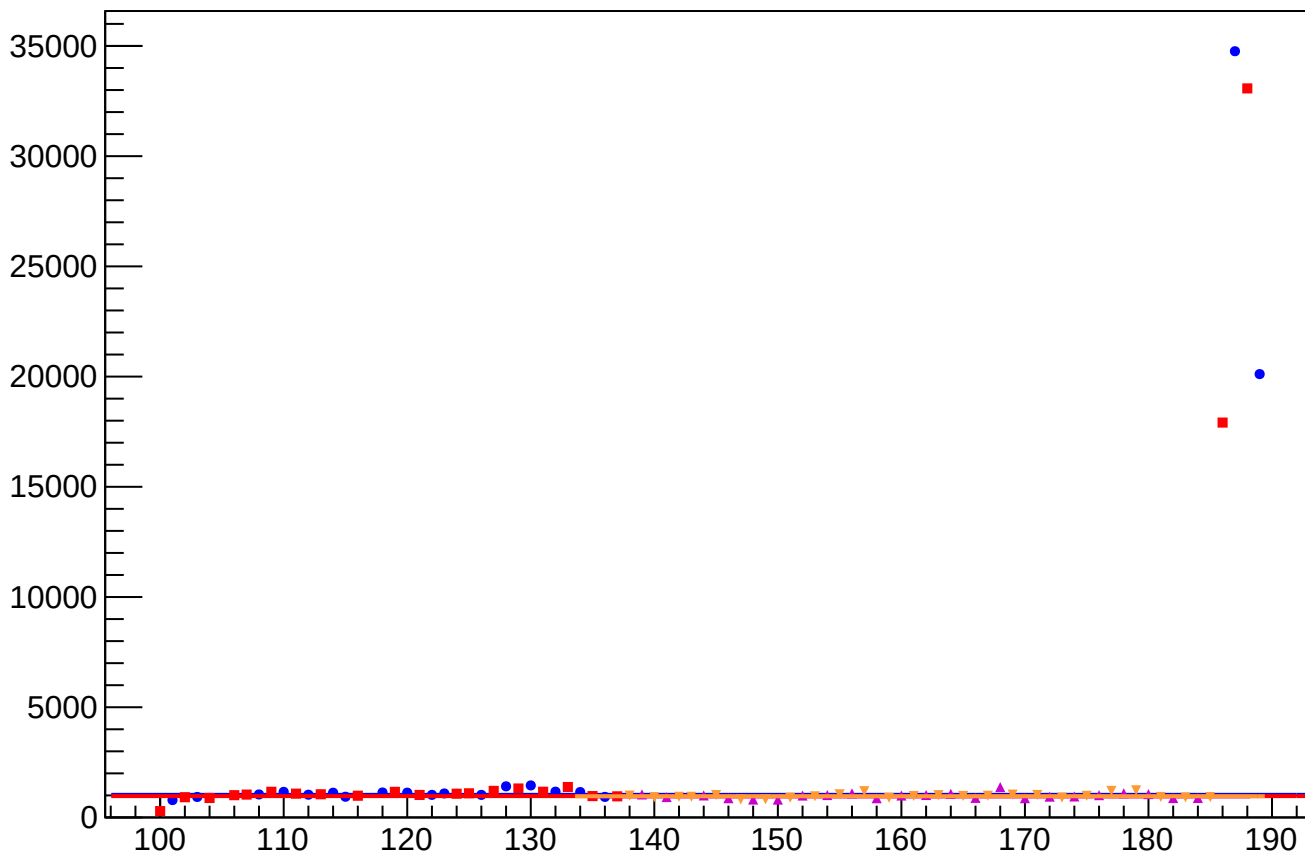
Right: 1398.078 $\pm$ 275.129 χ^2 /NDF: 32.6/39

In: 1260.458 $\pm$ 199.890 χ^2 /NDF: 43.6/41

Out: 888.176 $\pm$ 193.574 χ^2 /NDF: 35.4/45

All: 1068.343 $\pm$ 139.057 χ^2 /NDF: 80.8/87

asym_right_dd_rms vs Slug, Sign Corrected



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

Left: 959.128+/-0.114 χ^2/NDF : 806973.3/47

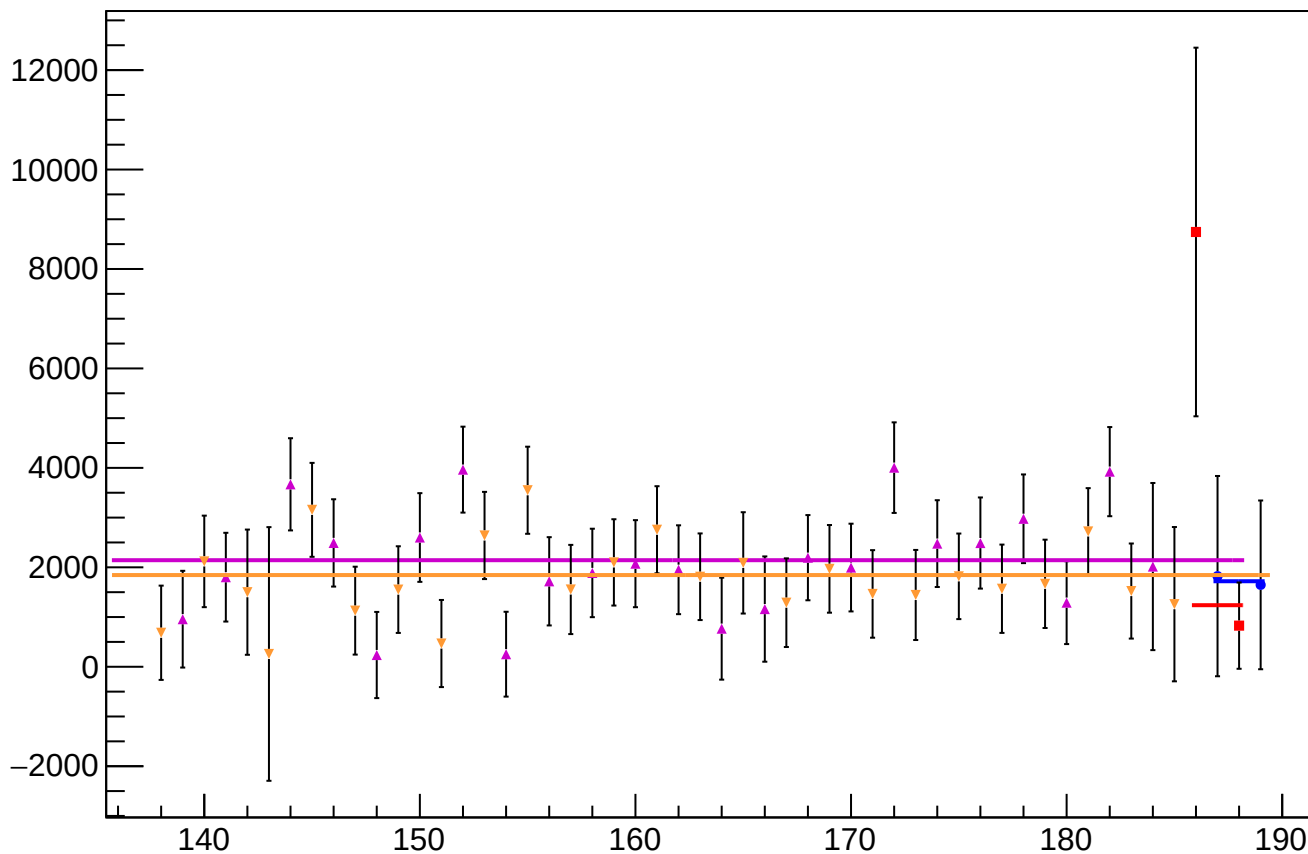
Right: 994.879+/-0.195 χ^2/NDF : 3418895.4/39

In: 972.525+/-0.141 χ^2/NDF : 1488853.3/41

Out: 964.262+/-0.137 χ^2/NDF : 2760394.7/45

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

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 1238.358+/-844.854 χ^2/NDF : 4.3/1

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

Left: 1991.243+/-133.294 χ^2/NDF : 49.0/47

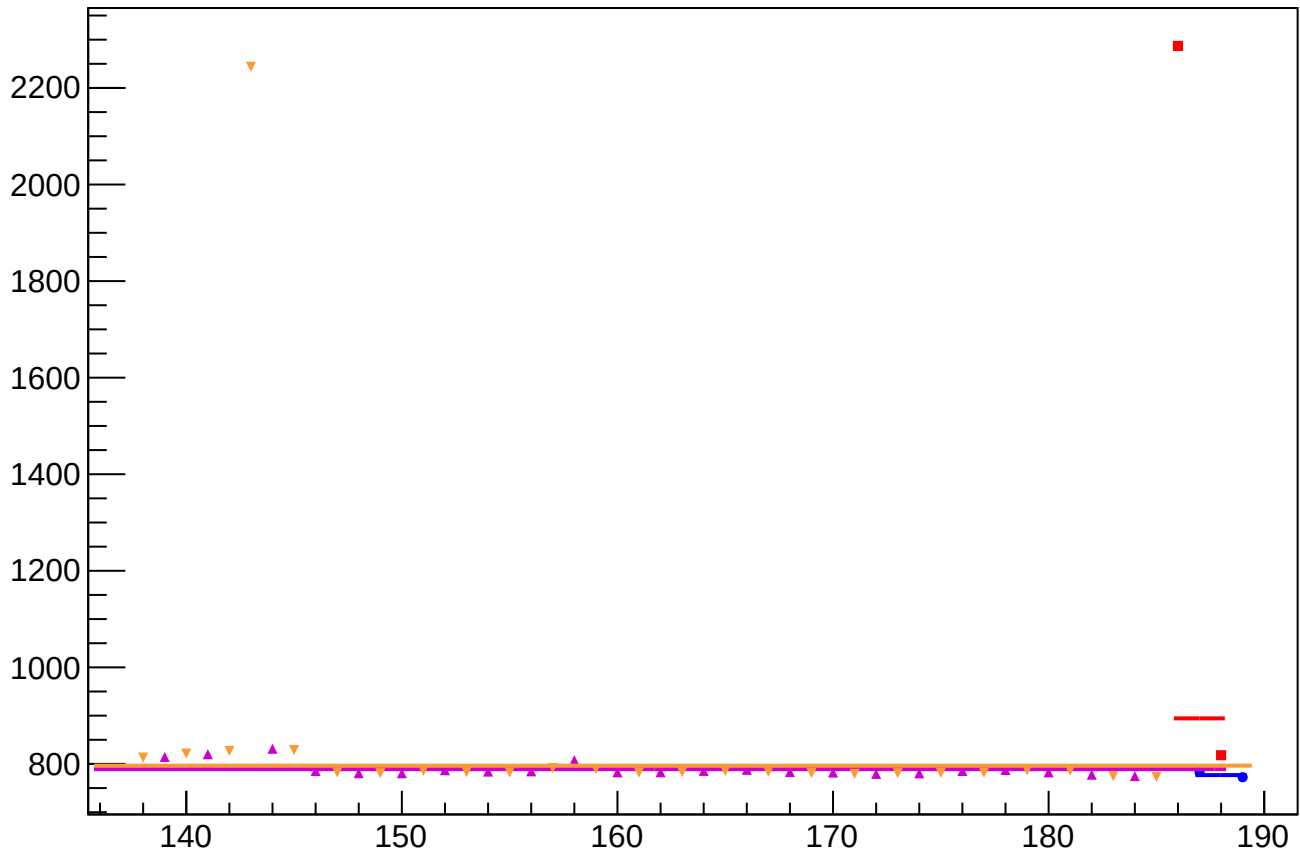
Right: 1381.764+/-708.024 χ^2/NDF : 4.4/3

In: 2134.360+/-188.135 χ^2/NDF :32.5/24

Out: 1816.085+/-182.496 χ^2/NDF :20.2/26

All: 1970.381+/-130.992 χ^2/NDF : 54.1/51

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left: 792.886 $\pm$ 0.094 χ^2 /NDF: 671086.4/47

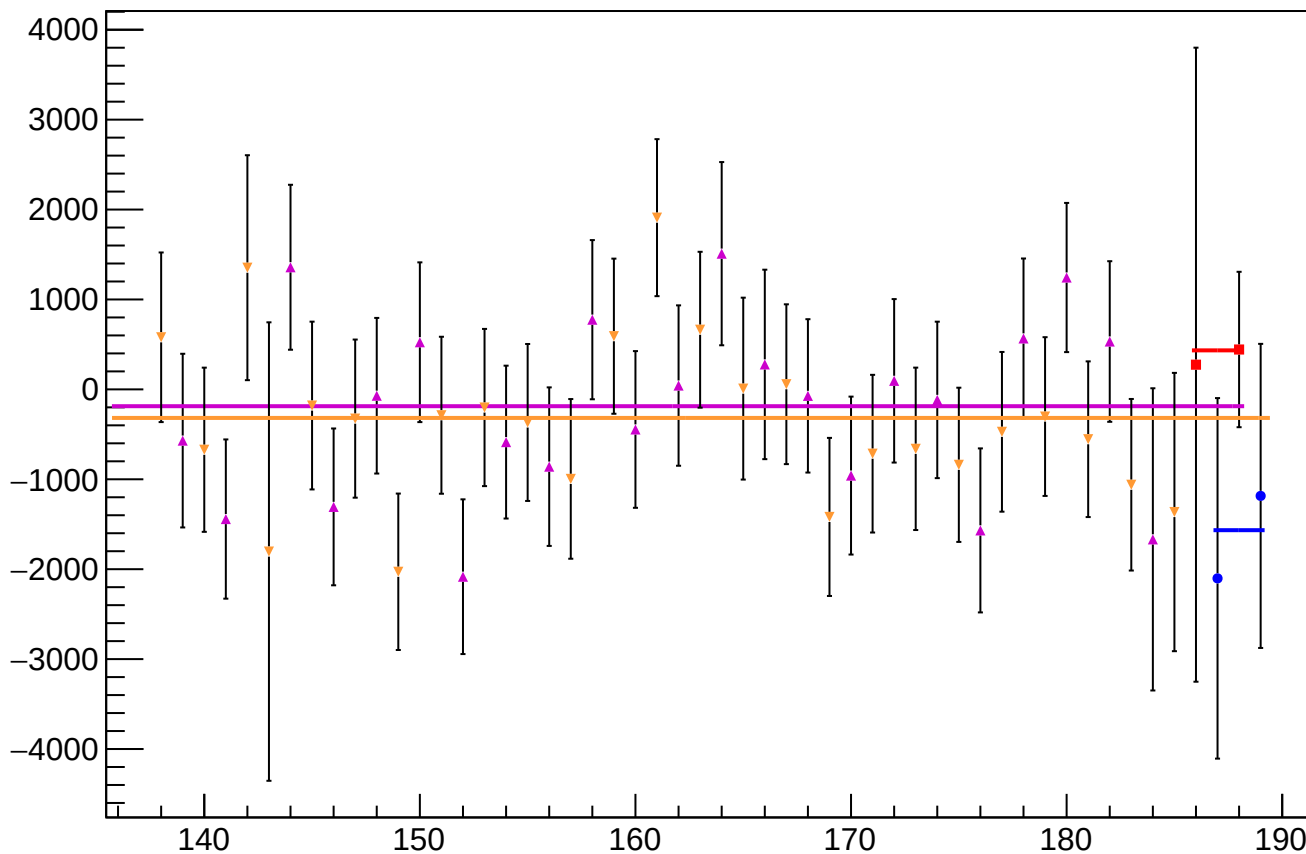
Right: 859.395 $\pm$ 0.501 χ^2 /NDF: 309302.1/3

In: 788.918 $\pm$ 0.133 χ^2 /NDF: 11068.4/24

Out: 801.038 $\pm$ 0.129 χ^2 /NDF: 982088.1/26

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

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -1566.105 $\pm$ 1292.689 χ^2 /NDF: 0.1/1

Left Out: -317.611 $\pm$ 186.045 χ^2 /NDF:20.3/24

Right Out: 433.853 $\pm$ 839.412 χ^2 /NDF: 0.0/1

Left In: -187.105 $\pm$ 189.265 χ^2 /NDF:25.6/22

Left: -253.478 $\pm$ 132.678 χ^2 /NDF: 46.1/47

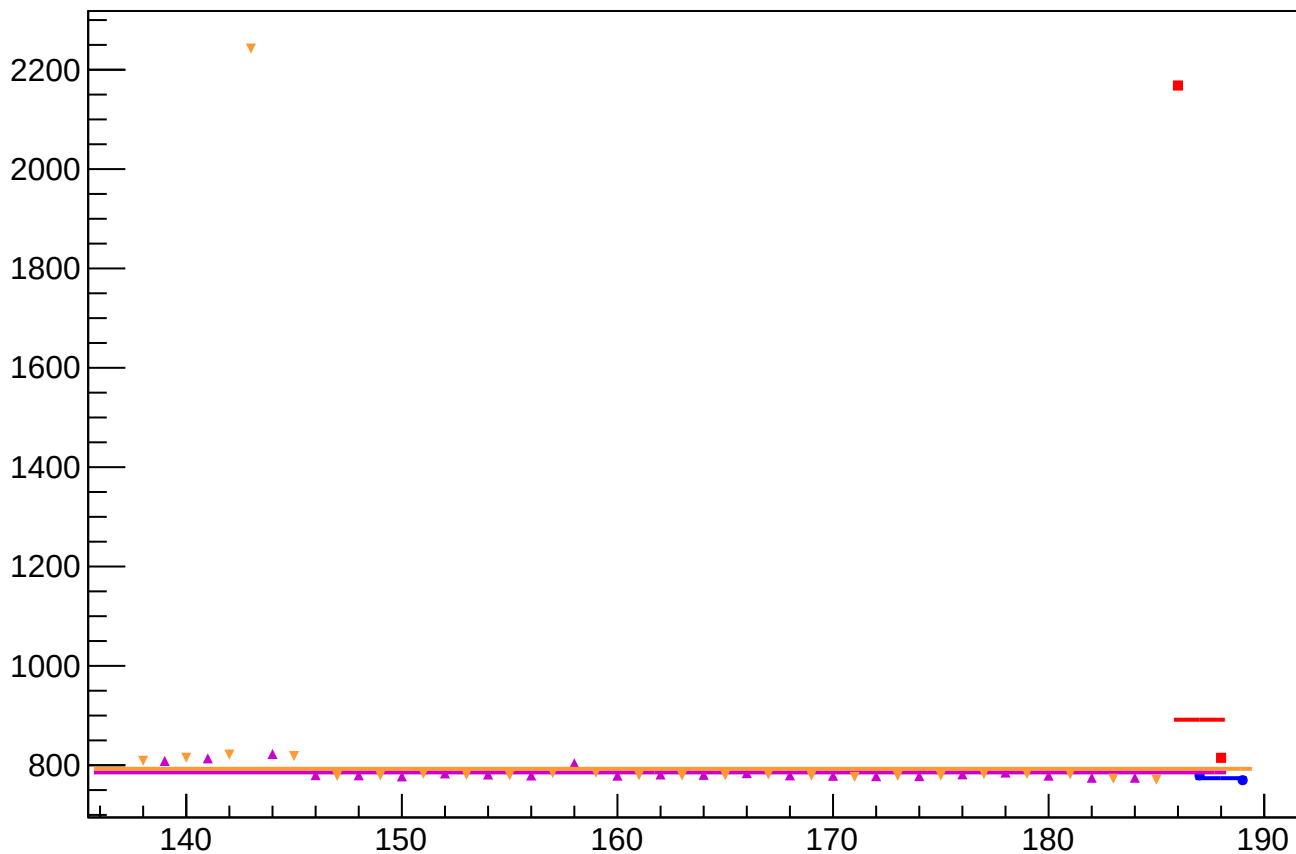
Right: -159.328 $\pm$ 704.008 χ^2 /NDF: 1.8/3

In: -216.045 $\pm$ 187.269 χ^2 /NDF:26.8/24

Out: -282.426 $\pm$ 181.637 χ^2 /NDF:21.1/26

All: -250.248 $\pm$ 130.382 χ^2 /NDF: 48.0/51

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left: 789.249 $\pm$ 0.094 χ^2/NDF : 670033.9/47

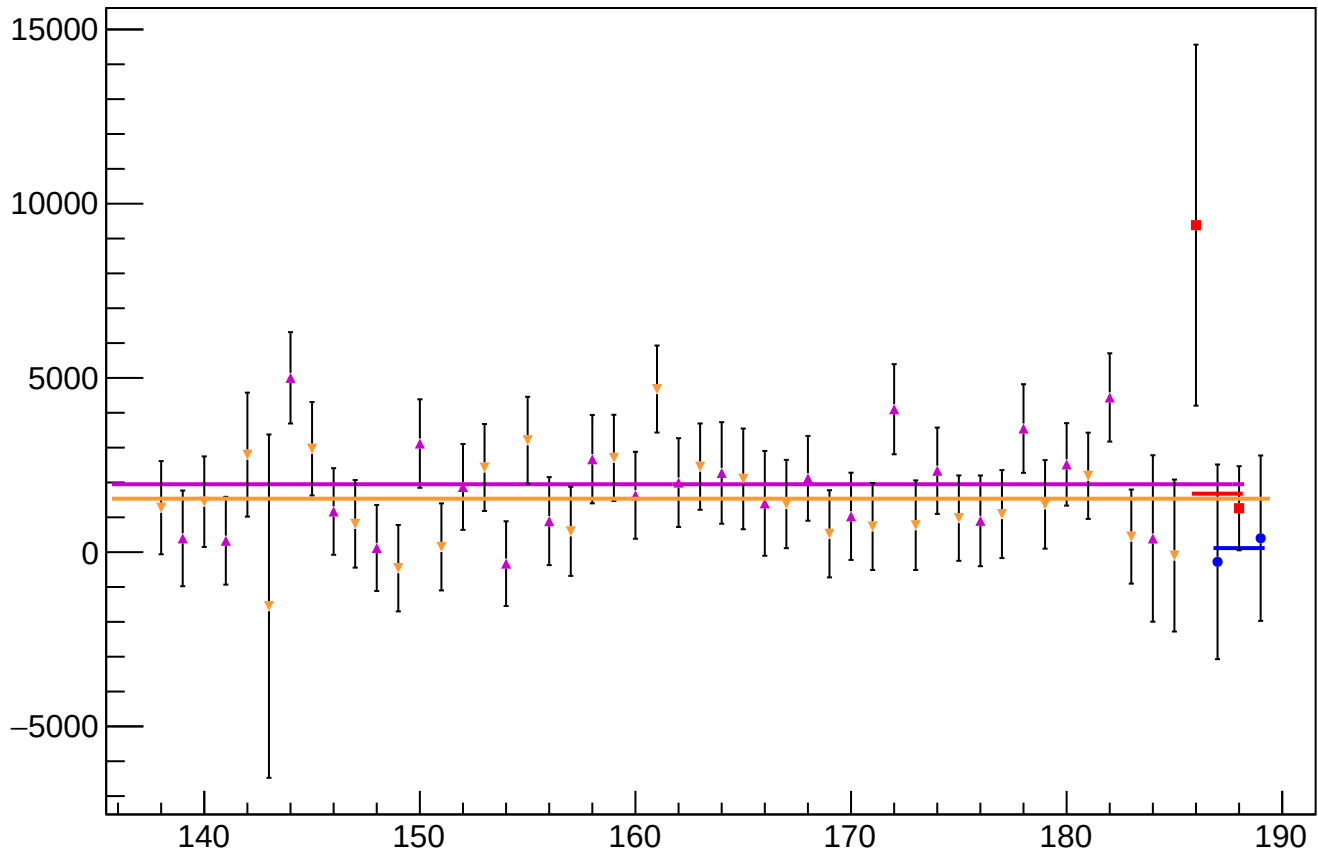
Right: 856.723 $\pm$ 0.498 χ^2/NDF : 289621.4/3

In: 785.318 $\pm$ 0.132 χ^2/NDF : 9219.5/24

Out: 797.438 $\pm$ 0.128 χ^2/NDF : 963860.4/26

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

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 116.401 $\pm$ 1808.672 χ^2 /NDF: 0.0/1

Left Out: 1534.720 $\pm$ 265.890 χ^2 /NDF:20.3/24

Right Out: 1678.820 $\pm$ 1174.777 χ^2 /NDF: 2.3/1

Left In: 1949.077 $\pm$ 270.080 χ^2 /NDF:26.8/22

Left: 1738.660 $\pm$ 189.477 χ^2 /NDF: 48.3/47

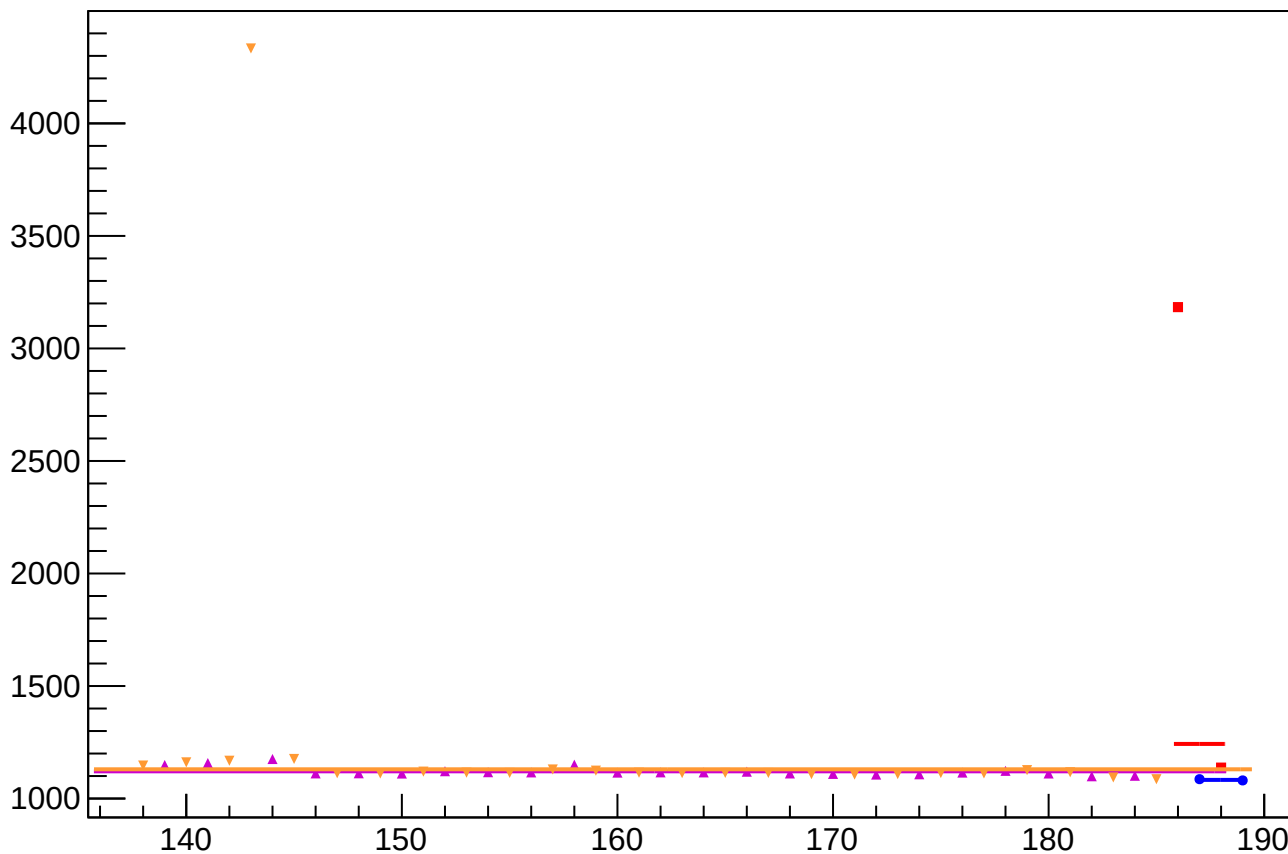
Right: 1215.240 $\pm$ 985.198 χ^2 /NDF: 2.9/3

In: 1909.103 $\pm$ 267.118 χ^2 /NDF:27.8/24

Out: 1541.742 $\pm$ 259.331 χ^2 /NDF:22.6/26

All: 1719.990 $\pm$ 186.067 χ^2 /NDF: 51.4/51

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1082.866 ± 1.279 χ^2/NDF : 4.6/1

Left Out: 1129.937 ± 0.188 χ^2/NDF : 858269.9/24

Right Out: 1242.674 ± 0.831 χ^2/NDF : 296034.6/1

Left In: 1120.977 ± 0.191 χ^2/NDF : 9259.6/22

Left: 1125.527 ± 0.134 χ^2/NDF : 868647.2/47

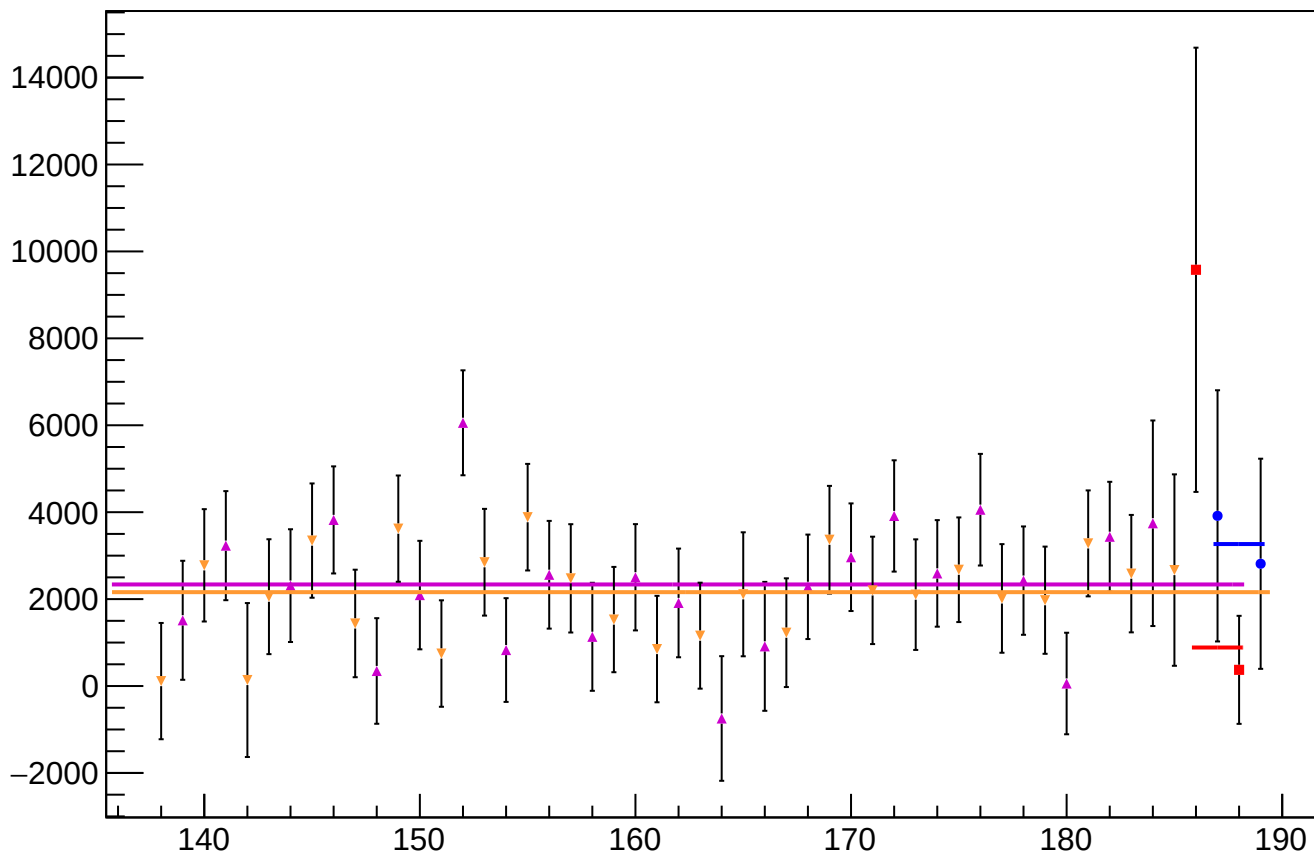
Right: 1195.258 ± 0.697 χ^2/NDF : 307020.2/3

In: 1120.146 ± 0.189 χ^2/NDF : 10132.9/24

Out: 1135.430 ± 0.183 χ^2/NDF : 1171825.3/26

All: 1128.014 ± 0.132 χ^2/NDF : 1185329.1/51

cor_asym_usr_mean vs Slug, Sign Corrected



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

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

Right Out: 886.345 $\pm$ 1207.652 χ^2 /NDF: 3.1/1

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

Left: 2245.530 $\pm$ 185.179 χ^2 /NDF: 46.5/47

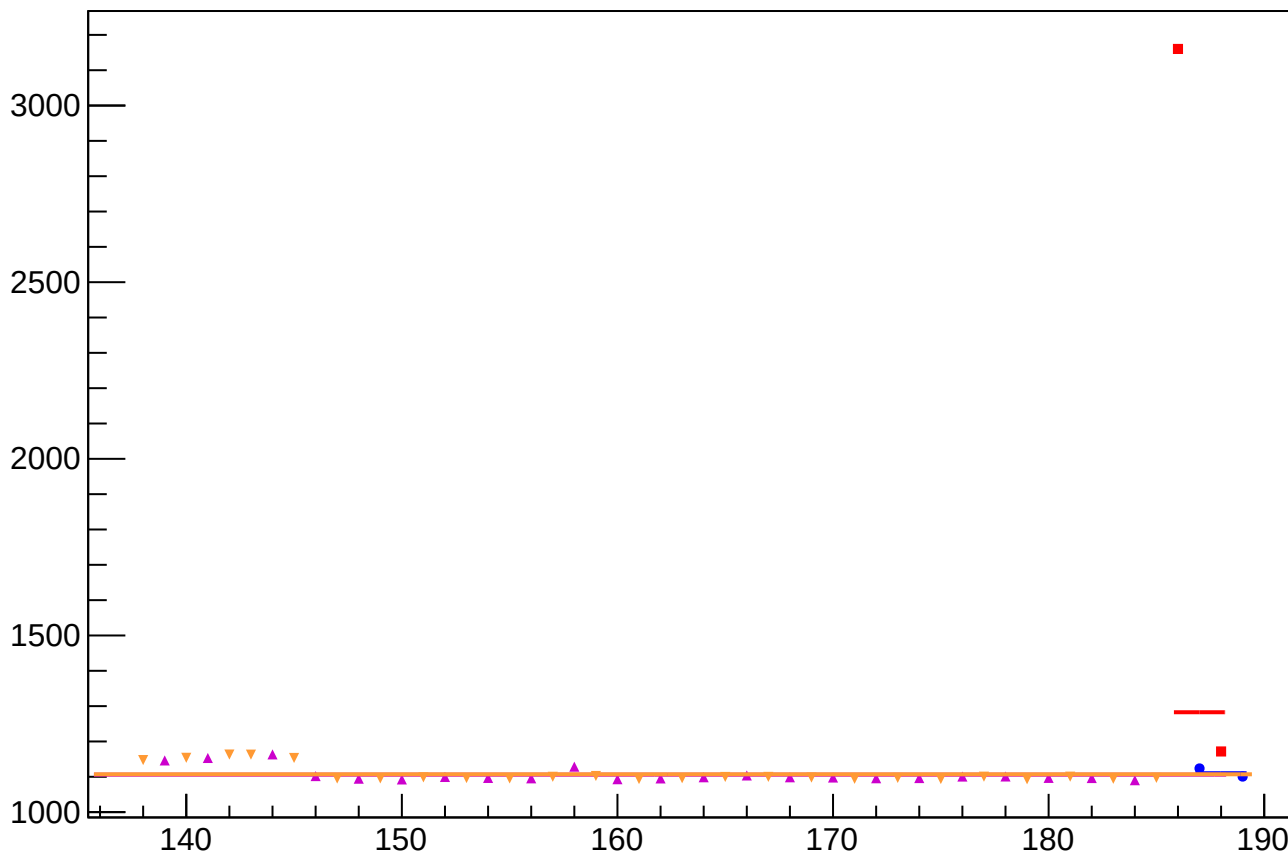
Right: 1595.329 $\pm$ 1011.966 χ^2 /NDF: 4.3/3

In: 2356.041 $\pm$ 263.759 χ^2 /NDF:31.6/24

Out: 2104.486 $\pm$ 251.863 χ^2 /NDF:19.1/26

All: 2224.463 $\pm$ 182.154 χ^2 /NDF: 51.2/51

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1110.109 ± 1.311 $\chi^2/\text{NDF}: 75.3/1$

Left Out: 1107.091 ± 0.182 $\chi^2/\text{NDF}: 15185.2/24$

Right Out: 1282.722 ± 0.854 $\chi^2/\text{NDF}: 285849.3/1$

Left In: 1105.955 ± 0.188 $\chi^2/\text{NDF}: 11111.3/22$

Left: 1106.543 ± 0.131 $\chi^2/\text{NDF}: 26315.2/47$

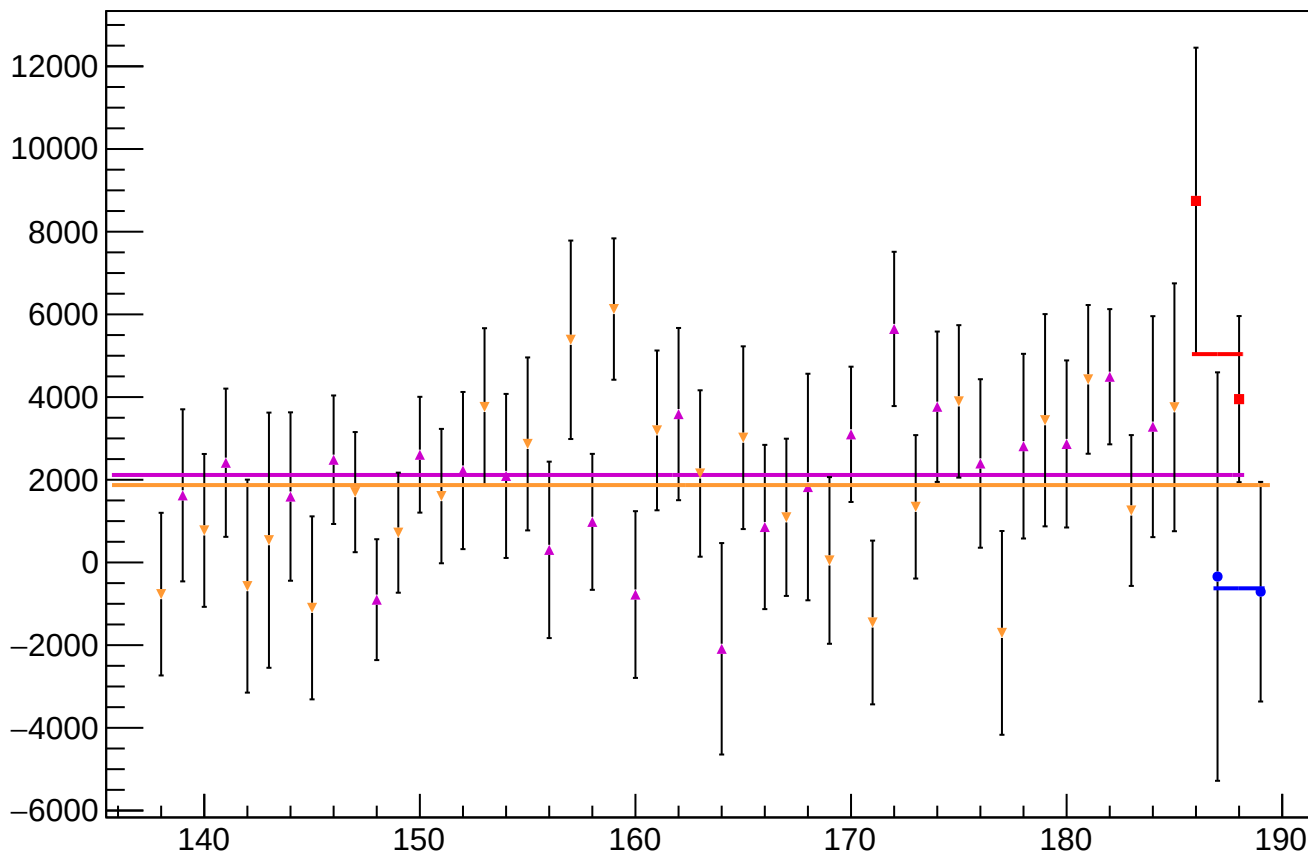
Right: 1231.315 ± 0.716 $\chi^2/\text{NDF}: 298093.4/3$

In: 1106.039 ± 0.187 $\chi^2/\text{NDF}: 11196.4/24$

Out: 1114.730 ± 0.178 $\chi^2/\text{NDF}: 341495.4/26$

All: 1110.585 ± 0.129 $\chi^2/\text{NDF}: 353827.6/51$

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left: 1993.467+/-277.425 χ^2/NDF : 45.1/47

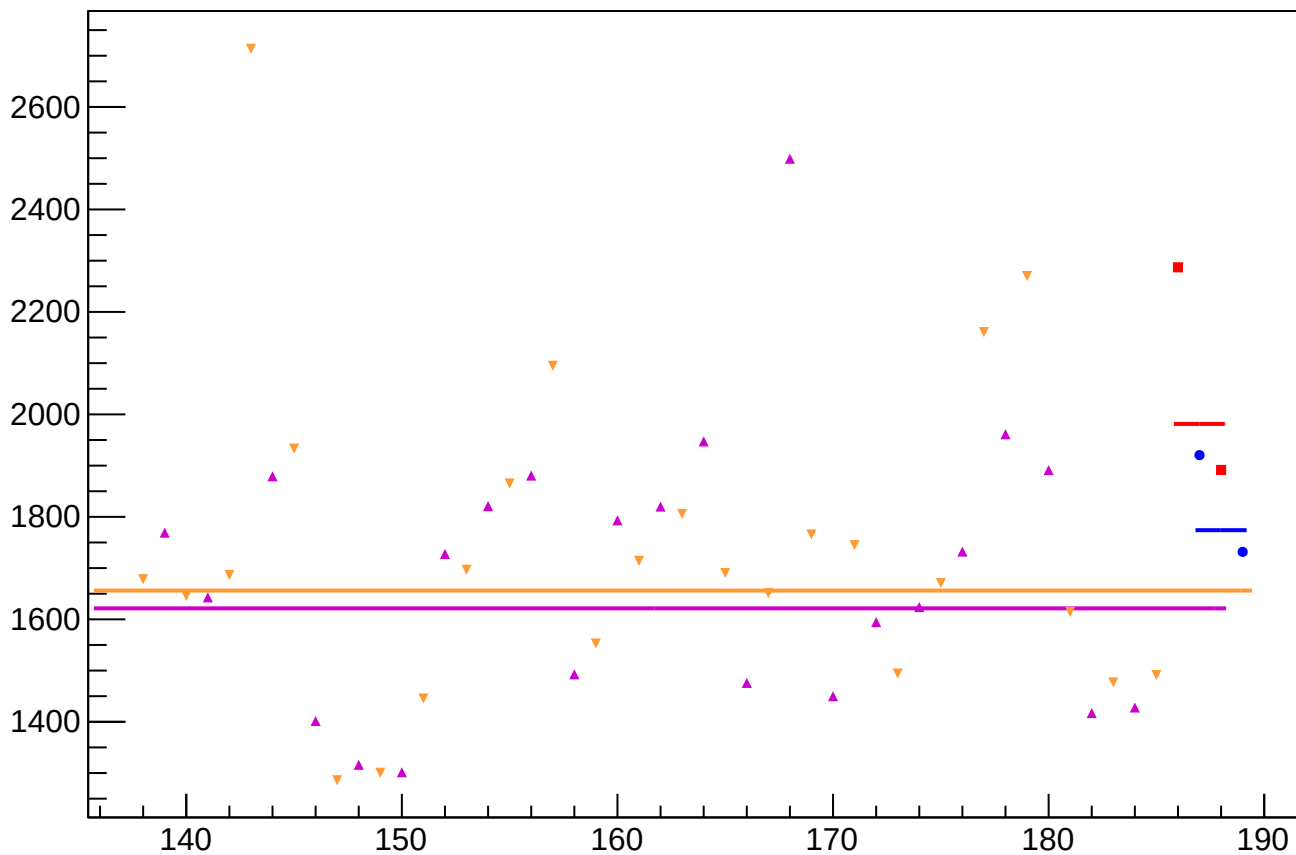
Right: 2982.062+/-1409.651 χ^2/NDF : 5.0/3

In: 2040.856+/-387.565 χ^2/NDF :20.1/24

Out: 2020.082+/-382.395 χ^2/NDF :30.5/26

All: 2030.329+/-272.204 χ^2/NDF : 50.6/51

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 1638.826+/-0.196 χ^2/NDF : 1693706.9/47

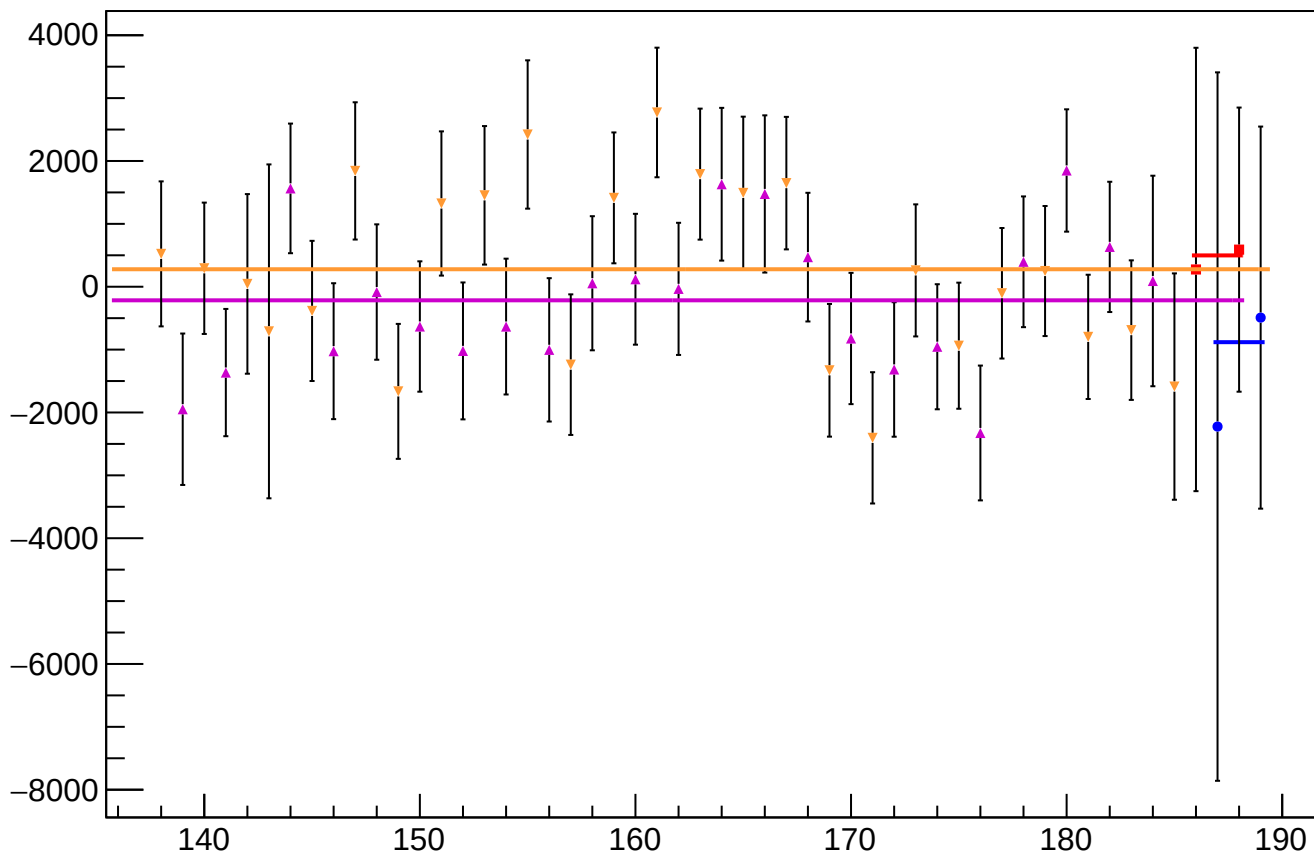
Right: 1906.066+/-0.997 χ^2/NDF : 29867.5/3

In: 1625.606+/-0.274 χ^2/NDF : 785852.8/24

Out: 1671.362+/-0.270 χ^2/NDF : 992796.2/26

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

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -881.799 ± 2674.489 $\chi^2/\text{NDF}: 0.1/1$

Left Out: 278.090 ± 223.581 $\chi^2/\text{NDF}: 38.4/24$

Right Out: 498.211 ± 1902.544 $\chi^2/\text{NDF}: 0.0/1$

Left In: -216.121 ± 225.600 $\chi^2/\text{NDF}: 24.4/22$

Left: 33.207 ± 158.805 $\chi^2/\text{NDF}: 65.2/47$

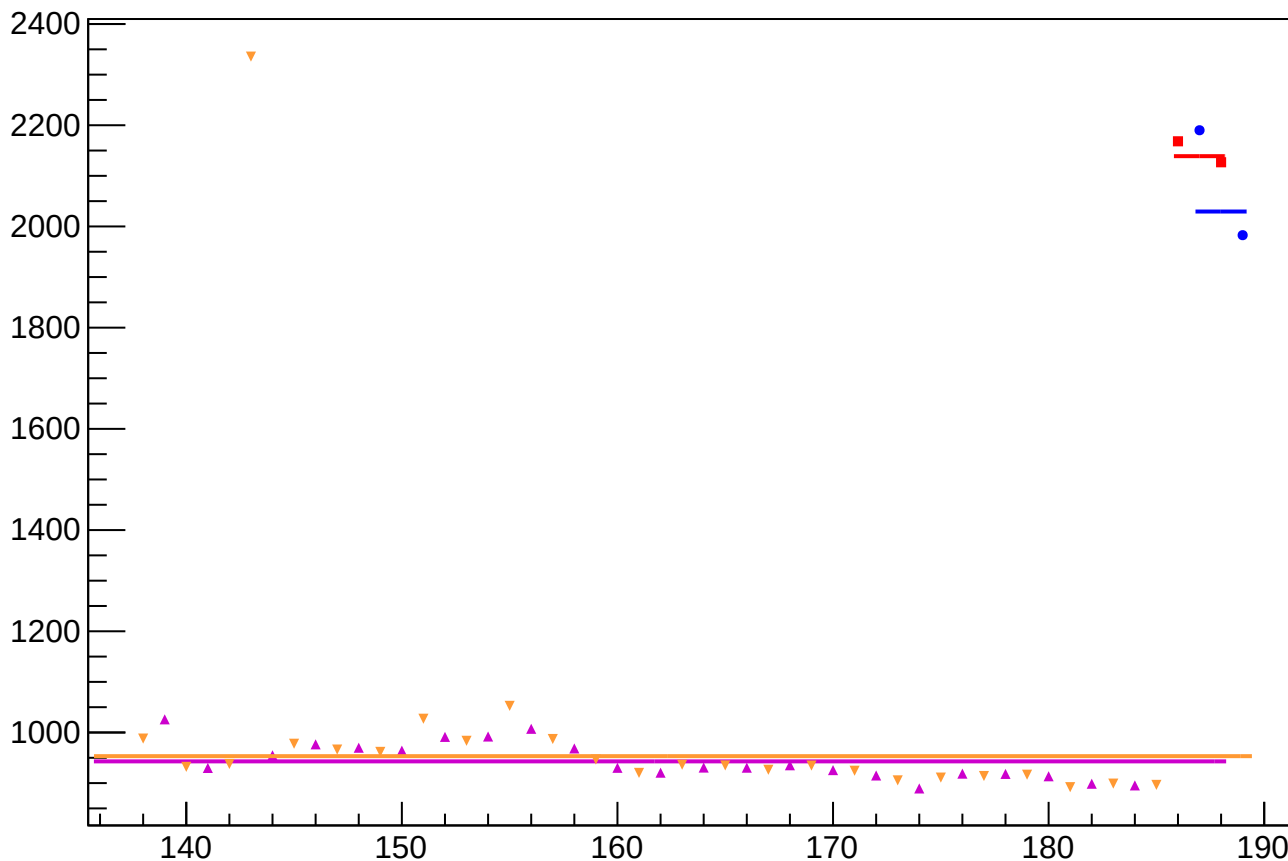
Right: 34.516 ± 1550.301 $\chi^2/\text{NDF}: 0.3/3$

In: -220.824 ± 224.802 $\chi^2/\text{NDF}: 24.6/24$

Out: 281.089 ± 222.053 $\chi^2/\text{NDF}: 38.4/26$

All: 33.220 ± 157.978 $\chi^2/\text{NDF}: 65.5/51$

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 2029.487 $\pm$ 1.891 χ^2/NDF : 2098.3/1

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

Right Out: 2138.886 $\pm$ 1.345 χ^2/NDF : 195.8/1

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

Left: 948.120 $\pm$ 0.112 χ^2/NDF : 656777.0/47

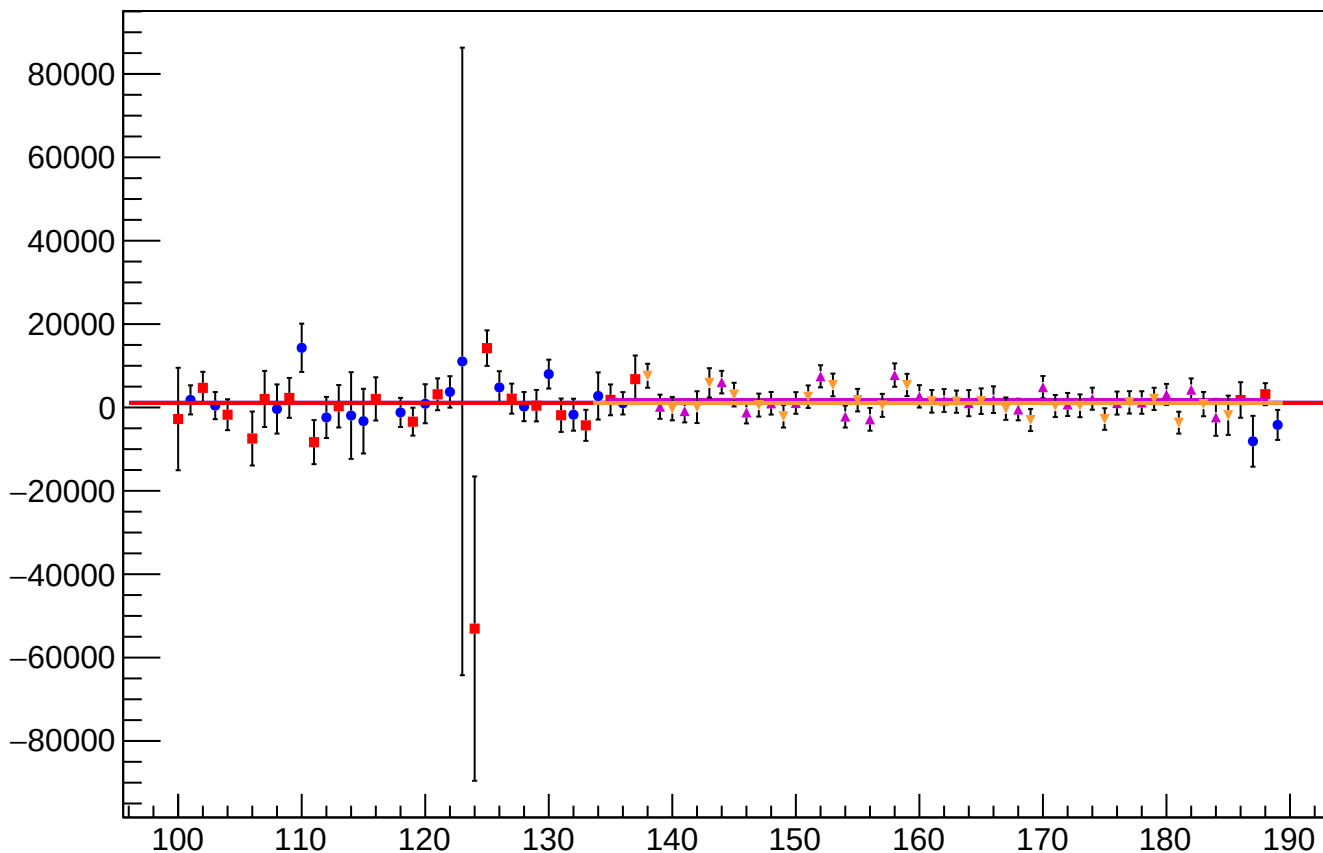
Right: 2102.127 $\pm$ 1.096 χ^2/NDF : 4516.1/3

In: 950.603 $\pm$ 0.159 χ^2/NDF : 378277.1/24

Out: 969.372 $\pm$ 0.157 χ^2/NDF : 1372644.1/26

All: 960.103 $\pm$ 0.112 χ^2/NDF : 1757977.8/51

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1128.111 $\pm$ 965.305 χ^2 /NDF: 17.2/18

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

Right Out: 1096.731 $\pm$ 933.769 χ^2 /NDF: 24.9/20

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

Left: 1420.287 $\pm$ 402.950 χ^2 /NDF: 48.4/47

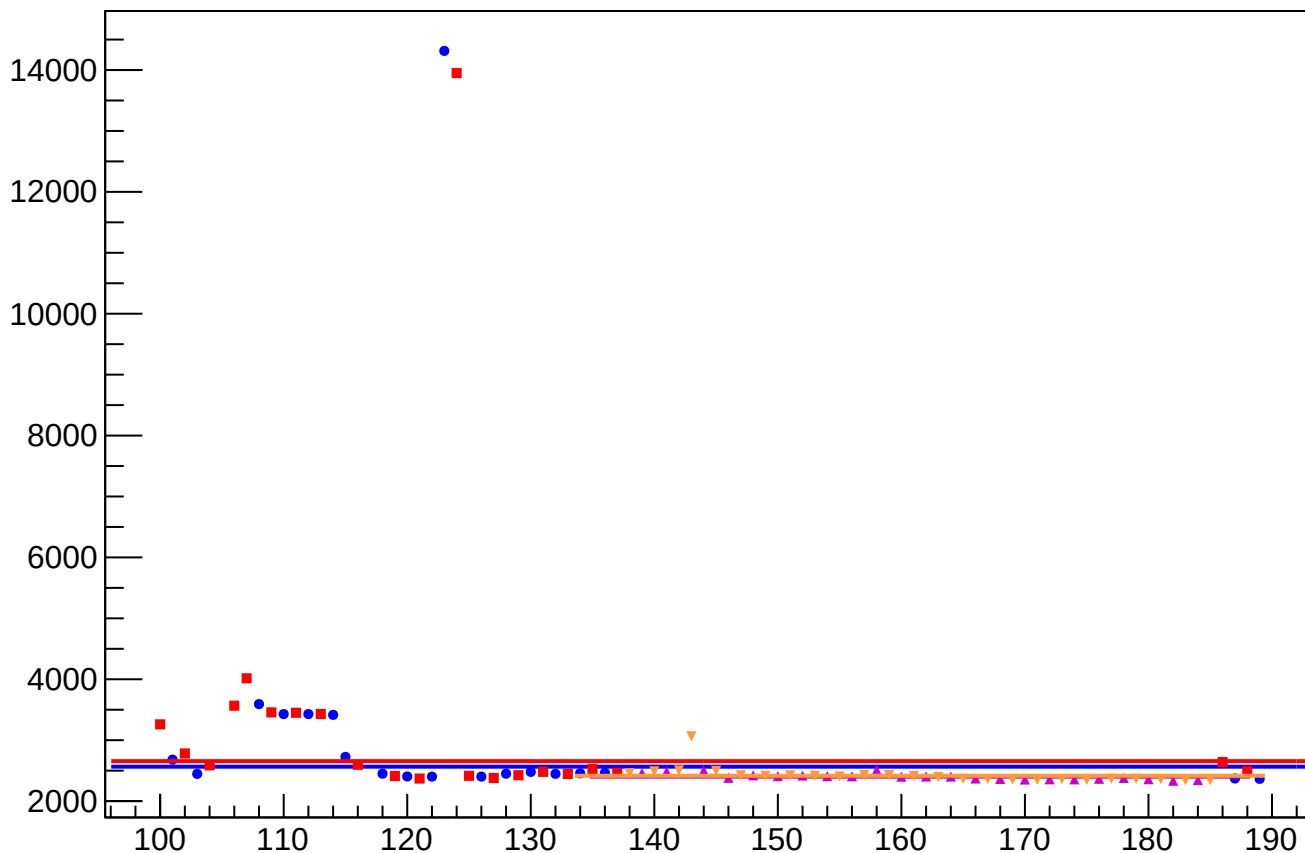
Right: 1111.900 $\pm$ 671.147 χ^2 /NDF: 42.1/39

In: 1606.744 $\pm$ 494.567 χ^2 /NDF: 41.6/41

Out: 1083.047 $\pm$ 482.774 χ^2 /NDF: 48.5/45

All: 1338.577 $\pm$ 345.467 χ^2 /NDF: 90.6/87

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2565.046 $\pm$ 0.683 χ^2 /NDF: 262955.2/18

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

Right Out: 2655.910 $\pm$ 0.660 χ^2 /NDF: 538349.0/20

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

Left: 2408.873 $\pm$ 0.285 χ^2 /NDF: 97039.6/47

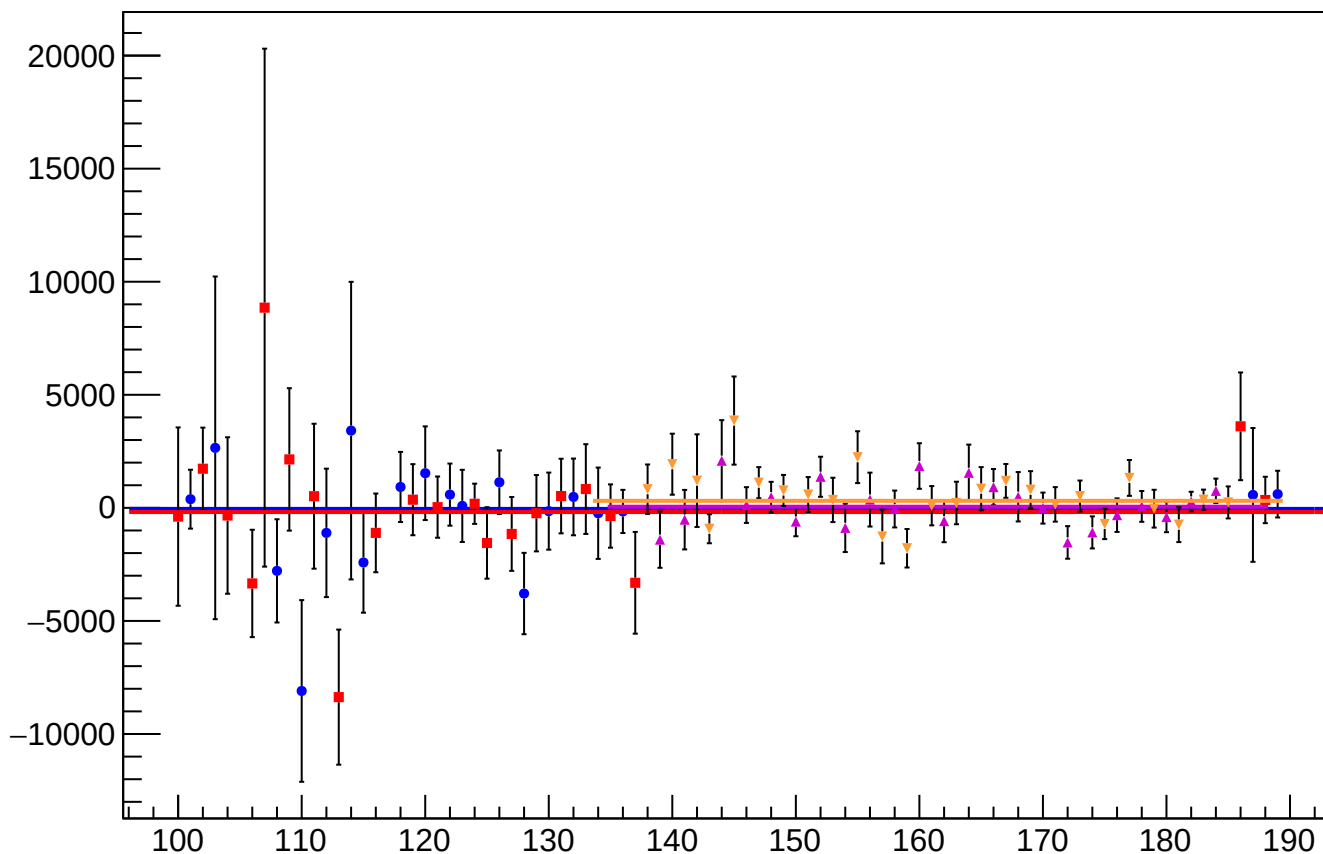
Right: 2611.987 $\pm$ 0.475 χ^2 /NDF: 810458.8/39

In: 2444.372 $\pm$ 0.350 χ^2 /NDF: 319083.2/41

Out: 2480.144 $\pm$ 0.341 χ^2 /NDF: 717701.5/45

All: 2462.690 $\pm$ 0.244 χ^2 /NDF: 1042142.3/87

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: -45.548 ± 386.810 $\chi^2/\text{NDF}: 14.0/18$

Left Out: 310.873 ± 160.650 $\chi^2/\text{NDF}: 29.7/24$

Right Out: -184.882 ± 375.958 $\chi^2/\text{NDF}: 18.5/20$

Left In: 51.454 ± 161.744 $\chi^2/\text{NDF}: 23.8/22$

Left: 182.044 ± 113.982 $\chi^2/\text{NDF}: 54.9/47$

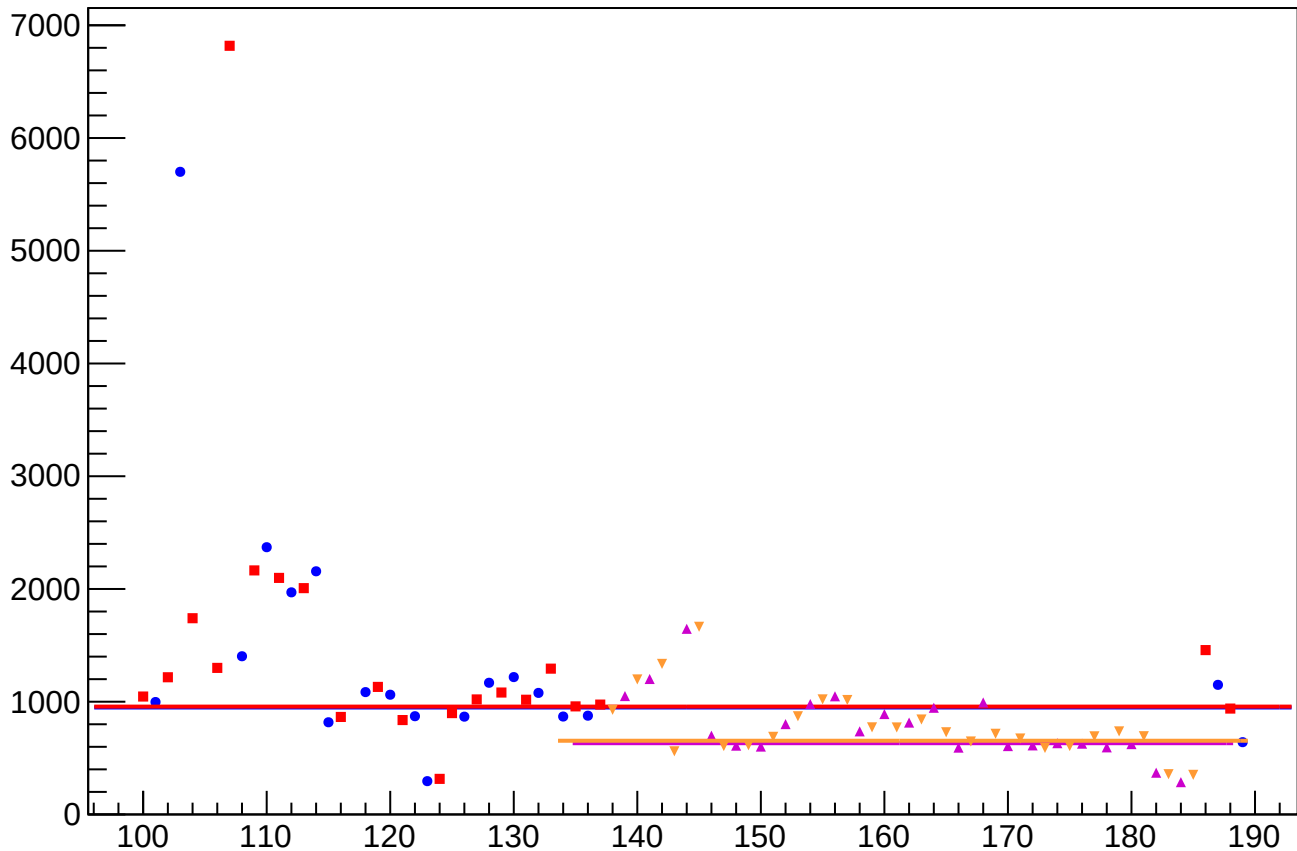
Right: -117.197 ± 269.597 $\chi^2/\text{NDF}: 32.6/39$

In: 37.017 ± 149.224 $\chi^2/\text{NDF}: 37.9/41$

Out: 234.328 ± 147.728 $\chi^2/\text{NDF}: 49.7/45$

All: 136.666 ± 104.984 $\chi^2/\text{NDF}: 88.5/87$

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left: 643.002 $\pm$ 0.081 χ^2 /NDF: 7215752.9/47

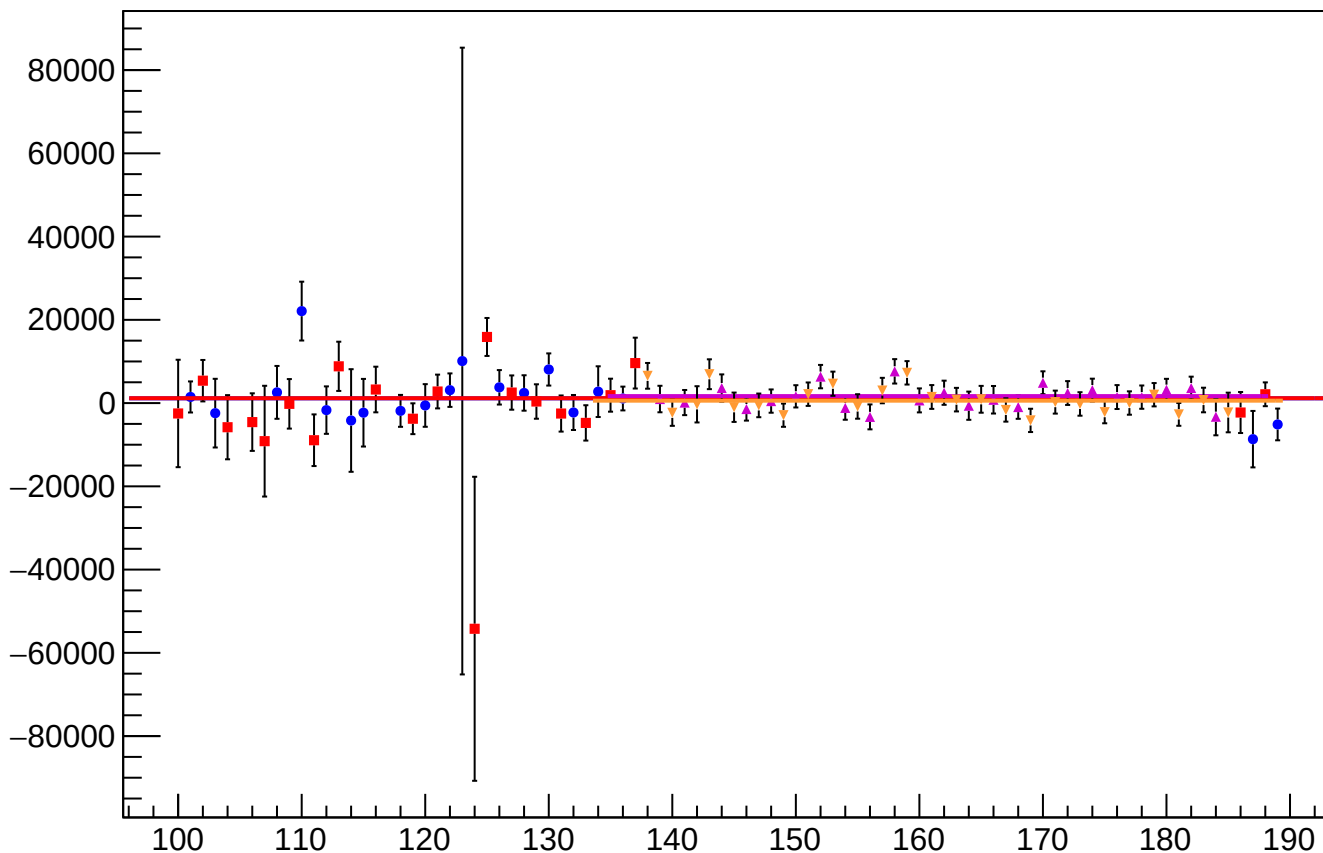
Right: 952.803 $\pm$ 0.191 χ^2 /NDF: 4872389.1/39

In: 679.185 $\pm$ 0.106 χ^2 /NDF:7198581.4/41

Out: 700.560 $\pm$ 0.104 χ^2 /NDF:7109332.1/45

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

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1136.587+/-1098.192 χ^2/NDF : 19.9/18

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

Right Out: 1171.450+/-1073.067 χ^2/NDF : 27.4/20

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

Left: 1118.453+/-426.766 χ^2/NDF : 45.2/47

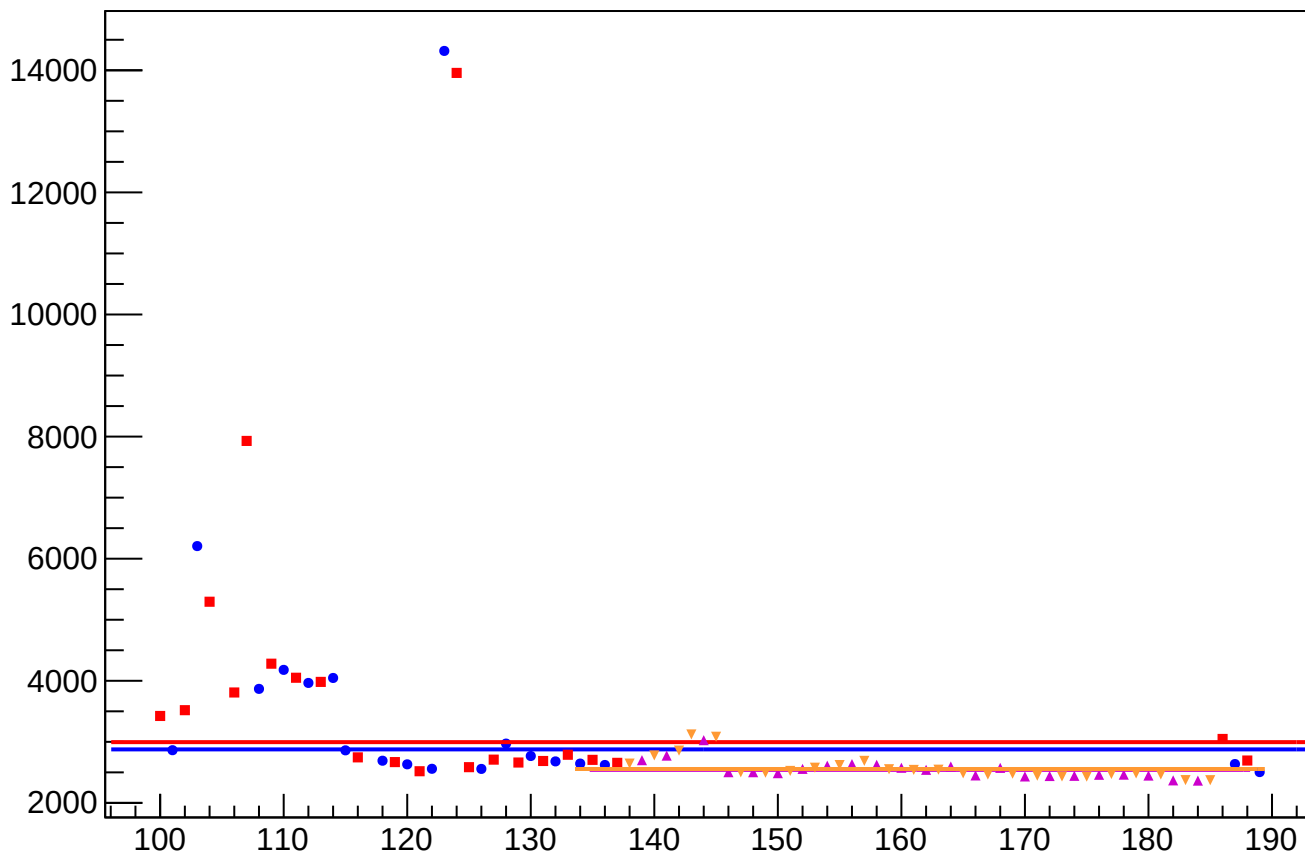
Right: 1154.422+/-767.502 χ^2/NDF : 47.3/39

In: 1551.509+/-533.332 χ^2/NDF : 38.2/41

Out: 720.531+/-521.811 χ^2/NDF : 53.0/45

All: 1126.948+/-372.983 χ^2/NDF : 92.5/87

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2876.318+/-0.777 χ^2/NDF : 660790.9/18

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

Right Out: 2995.266+/-0.759 χ^2/NDF : 1032549.2/20

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

Left: 2548.287+/-0.302 χ^2/NDF : 250060.8/47

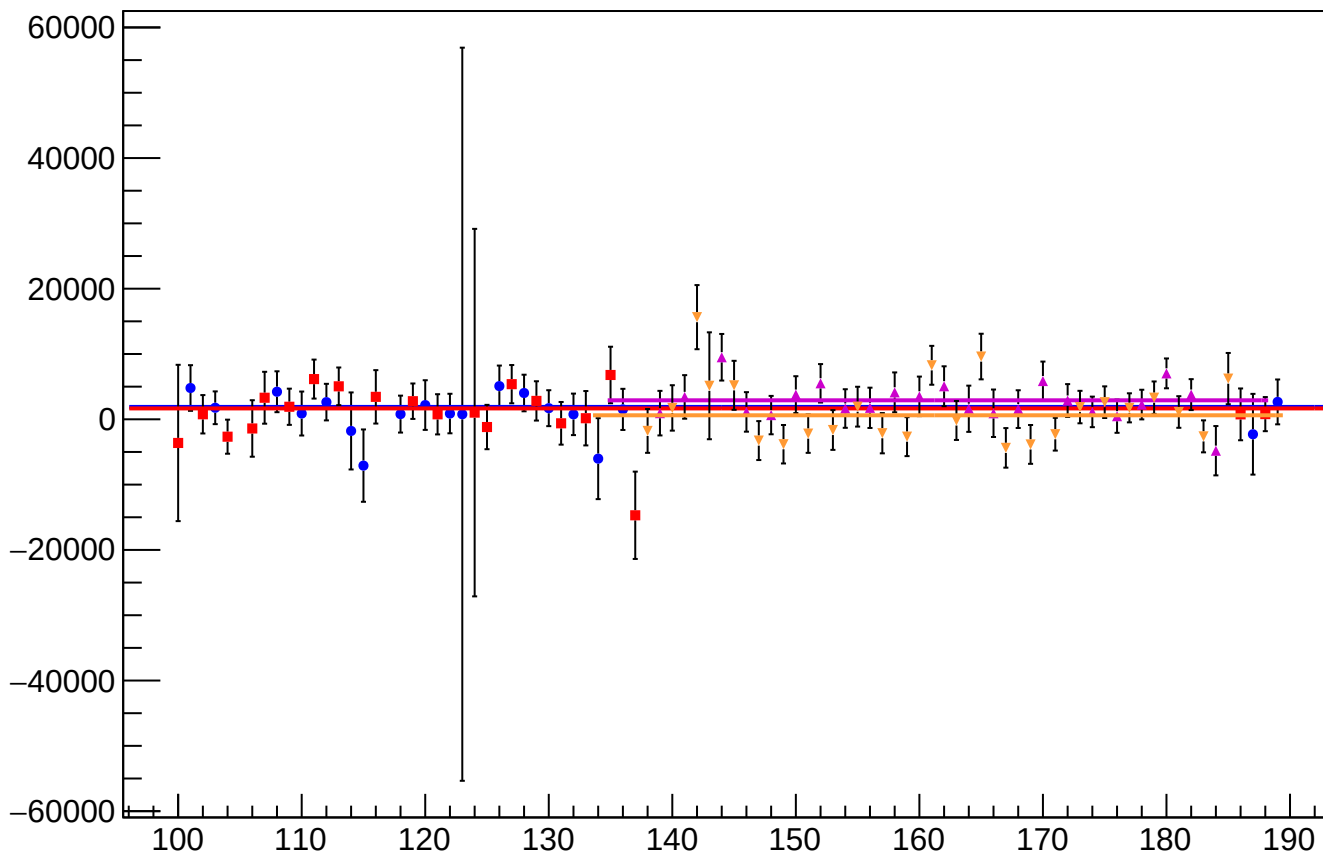
Right: 2937.168+/-0.543 χ^2/NDF : 1705343.2/39

In: 2620.076+/-0.377 χ^2/NDF :898041.6/41

Out: 2659.322+/-0.369 χ^2/NDF :1444026.3/45

All: 2640.128+/-0.264 χ^2/NDF : 2347601.3/87

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1894.758 $\pm$ 785.288 χ^2 /NDF: 8.6/18

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

Right Out: 1666.698 $\pm$ 744.800 χ^2 /NDF: 18.4/20

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

Left: 1745.562 $\pm$ 420.986 χ^2 /NDF: 70.0/47

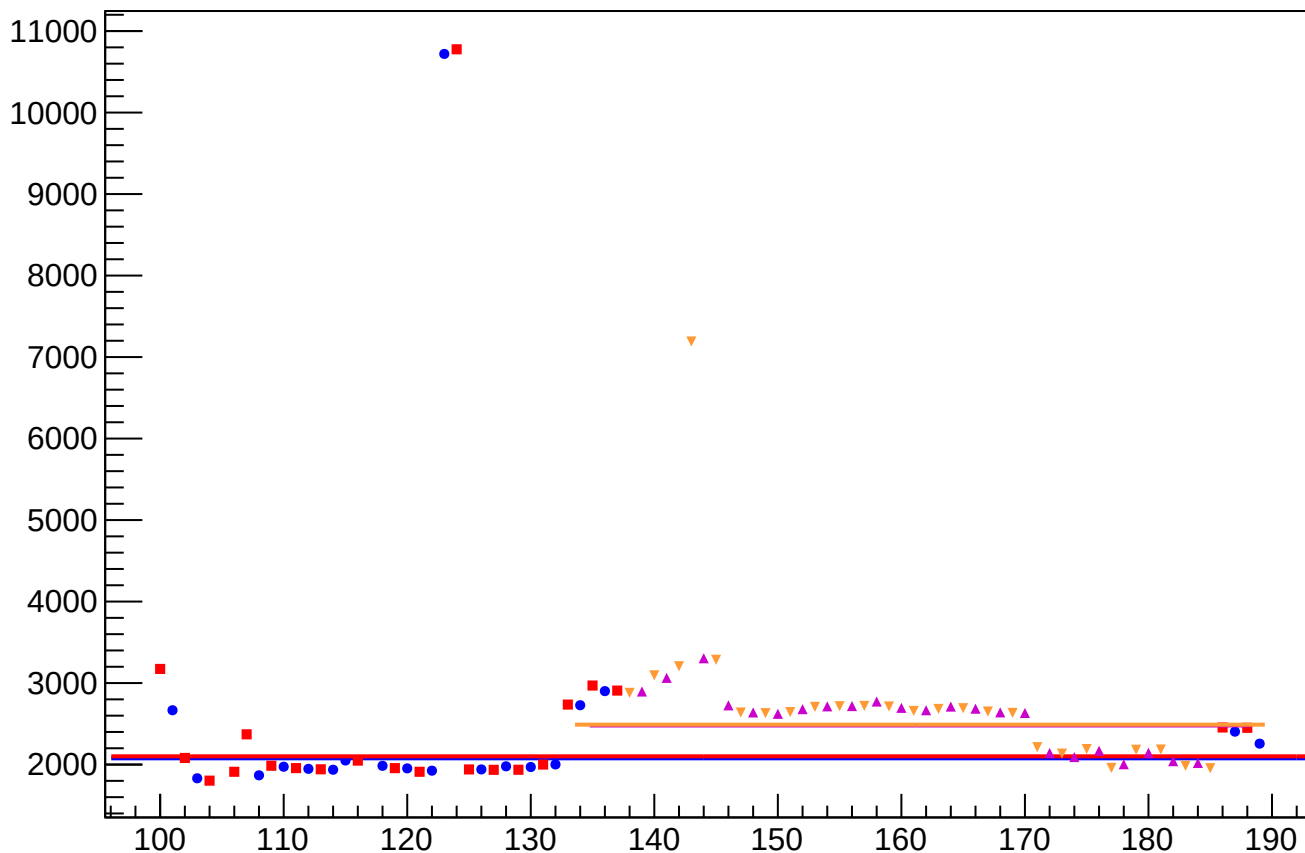
Right: 1774.697 $\pm$ 540.400 χ^2 /NDF: 27.1/39

In: 2535.479 $\pm$ 476.601 χ^2 /NDF:27.0/41

Out: 1021.387 $\pm$ 463.028 χ^2 /NDF:64.8/45

All: 1756.566 $\pm$ 332.105 χ^2 /NDF: 97.1/87

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left: 2484.536+/-0.298 χ^2/NDF : 2032896.6/47

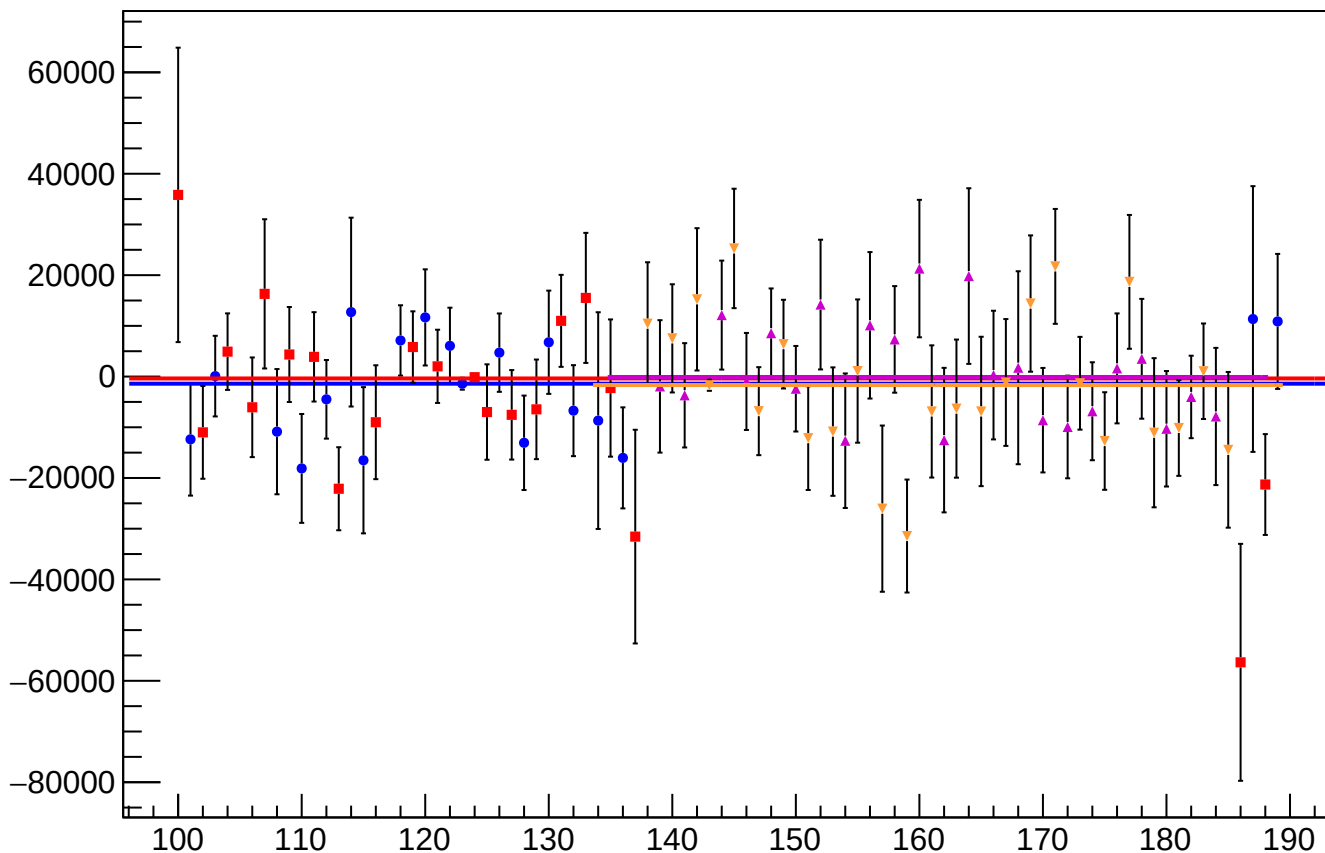
Right: 2089.393+/-0.382 χ^2/NDF : 830778.1/39

In: 2330.963+/-0.337 χ^2/NDF :1330320.0/41

Out: 2339.391+/-0.327 χ^2/NDF :2198497.9/45

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

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1402.432+/-1050.523 χ^2/NDF : 16.8/18

Left Out: -1665.417+/-993.060 χ^2/NDF : 32.4/24

Right Out: -371.850+/-693.338 χ^2/NDF : 31.2/20

Left In: -80.274+/-2331.531 χ^2/NDF : 13.8/22

Left: -1422.008+/-913.639 χ^2/NDF : 46.6/47

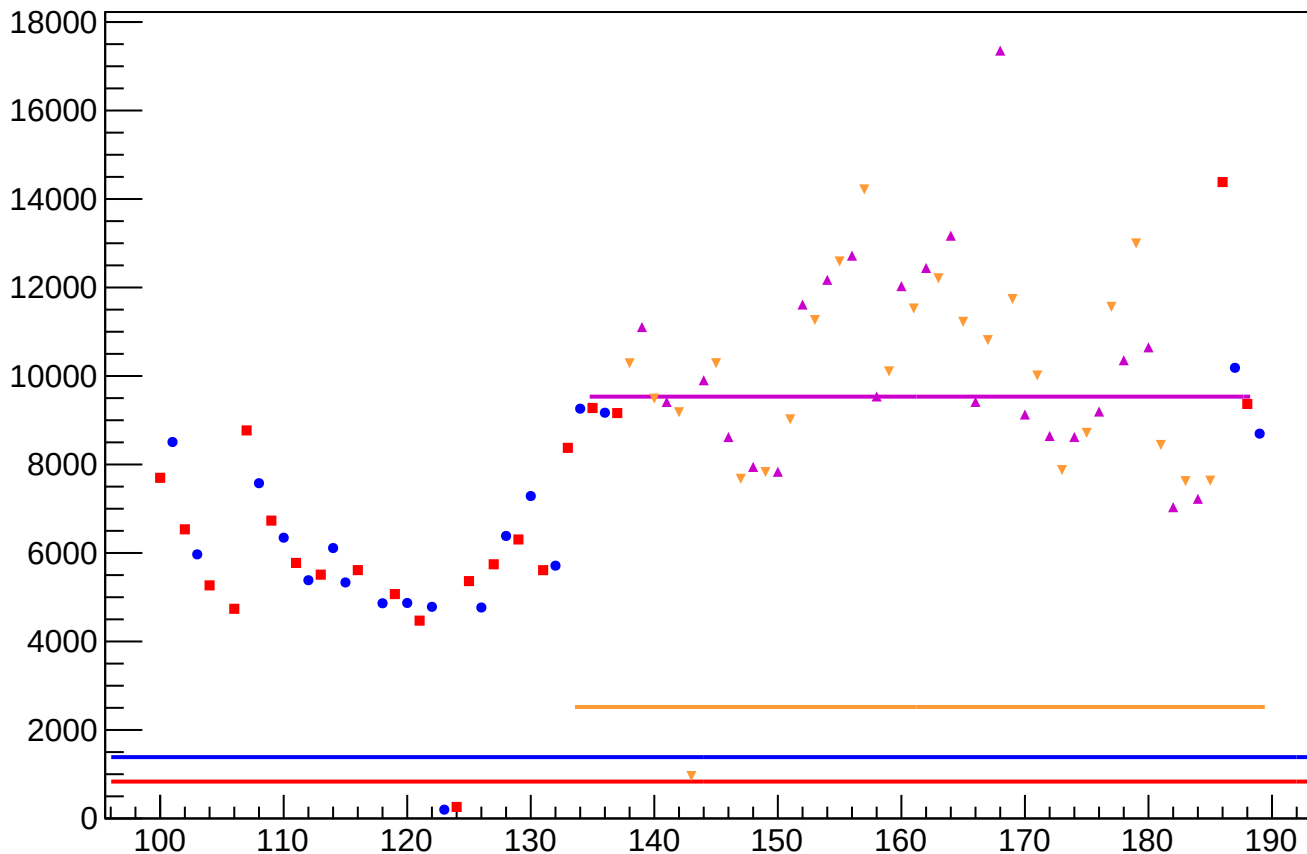
Right: -684.552+/-578.668 χ^2/NDF : 48.6/39

In: -1179.311+/-957.790 χ^2/NDF : 30.9/41

Out: -795.769+/-568.489 χ^2/NDF : 64.7/45

All: -895.687+/-488.863 χ^2/NDF : 95.7/87

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left: 3596.432+/-0.646

χ^2/NDF : 40280305.8/47

Right: 1001.226+/-0.409

χ^2/NDF : 24812503.2/39

In: 2761.095+/-0.677

χ^2/NDF : 32479893.2/41

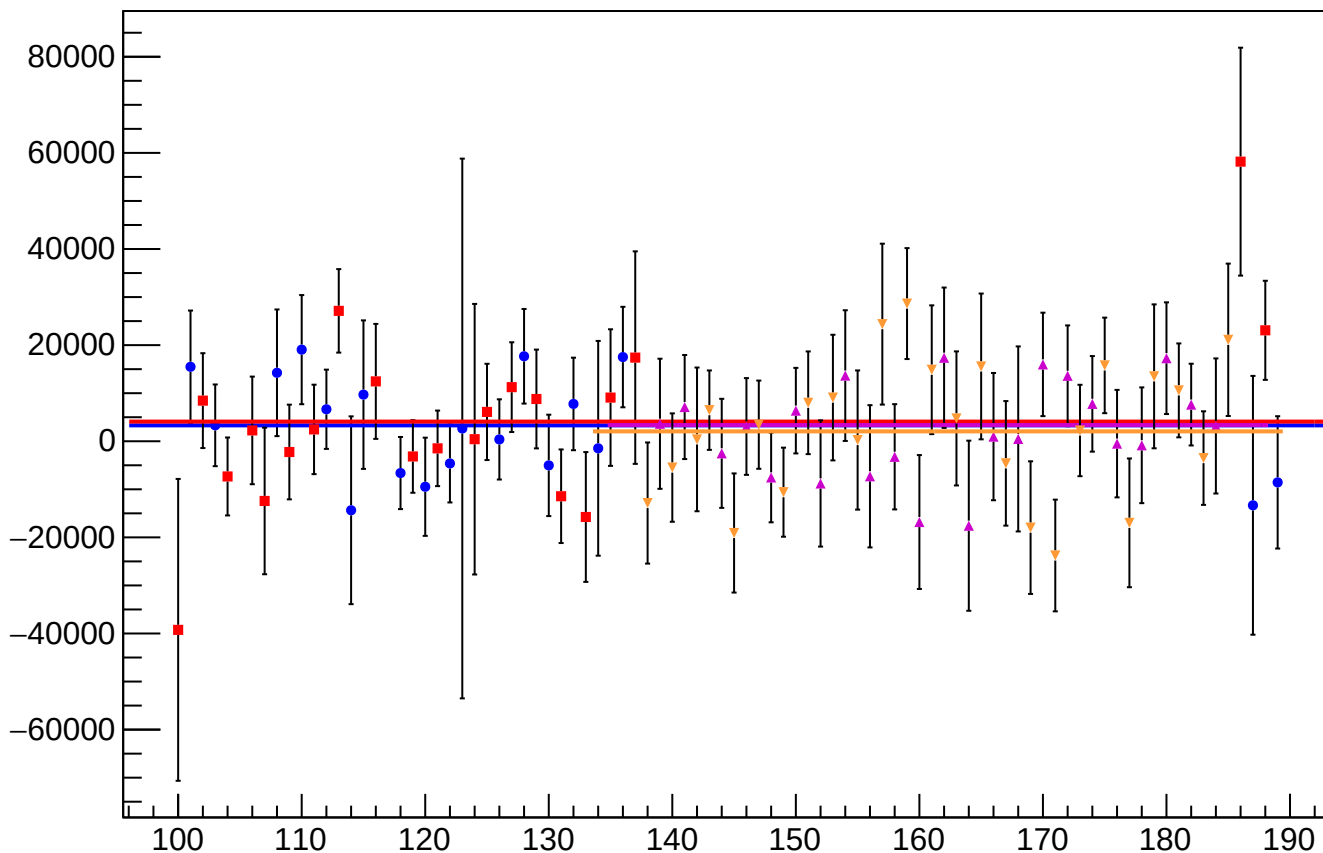
Out: 1386.008+/-0.402

χ^2/NDF : 41081447.8/45

All: 1744.240+/-0.346

χ^2/NDF : 76609790.8/86

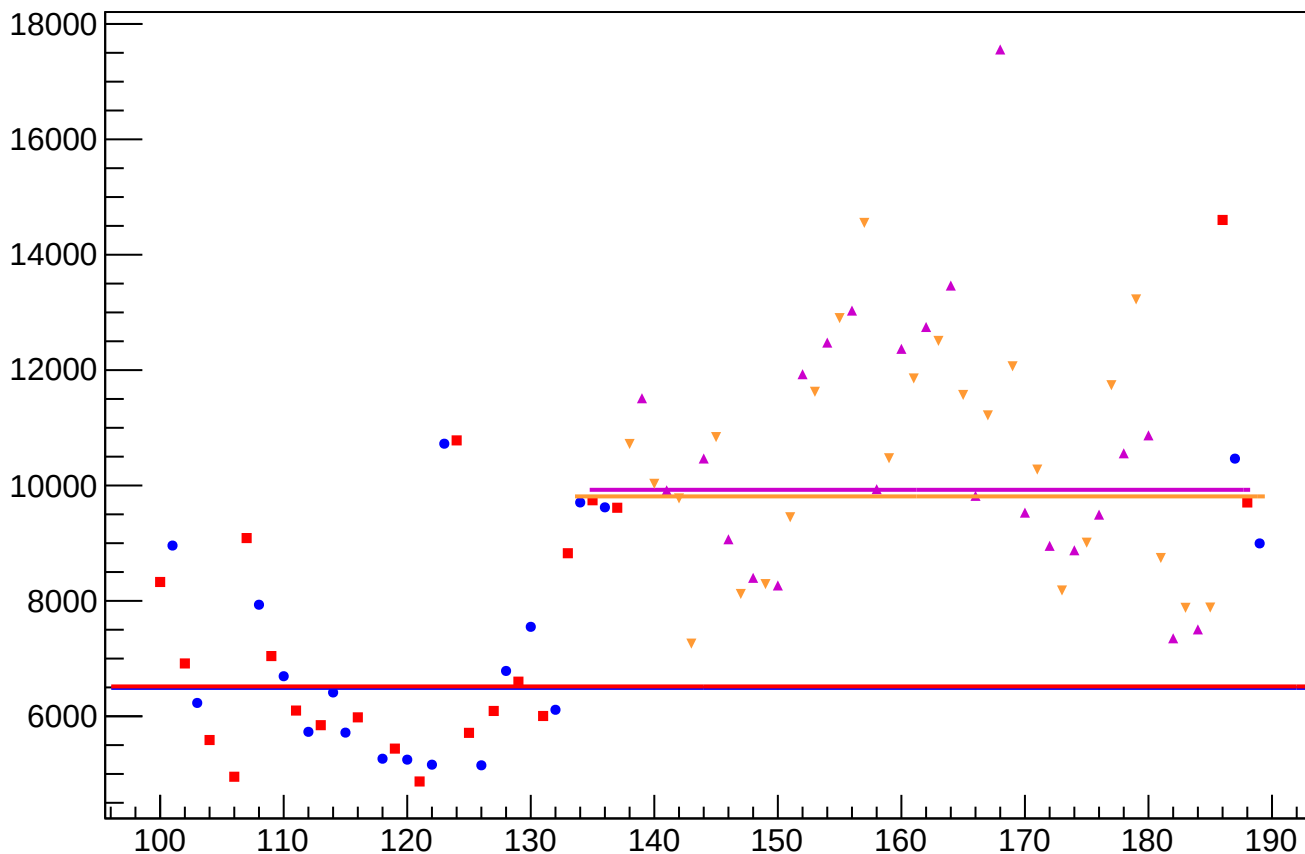
asym_atl2_mean vs Slug, Sign Corrected



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

Left: 2689.120+/-1680.862 χ^2/NDF : 44.0/47
Right: 3722.244+/-1709.352 χ^2/NDF : 44.6/39
In: 3339.419+/-1736.636 χ^2/NDF : 28.3/41
Out: 3067.488+/-1656.087 χ^2/NDF : 60.4/45
All: 3197.001+/-1198.495 χ^2/NDF : 88.8/87

asym_atl2_rms vs Slug, Sign Corrected



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

Left: 9866.039+/-1.189 χ^2 /NDF: 2427693.8/47

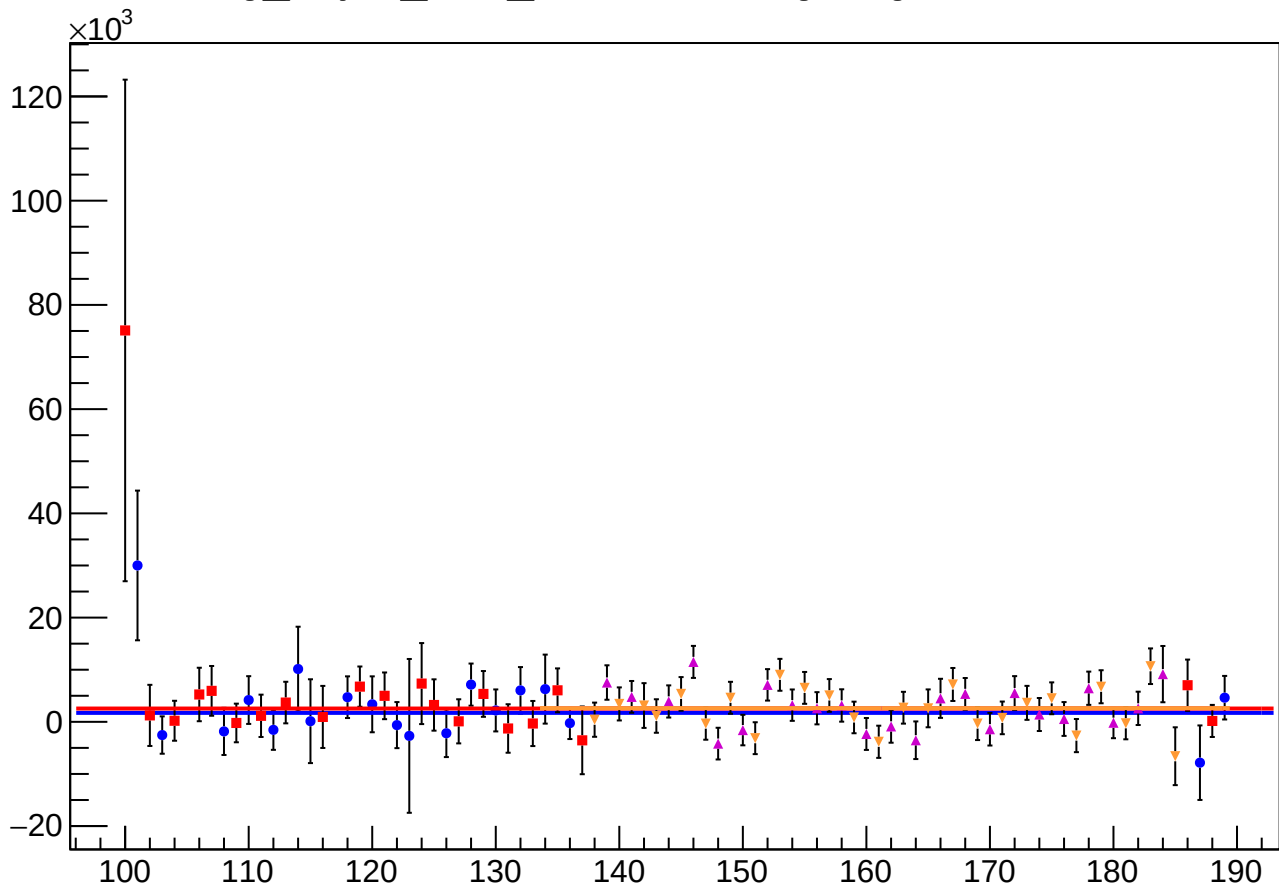
Right: 6505.161+/-1.209 χ^2 /NDF: 1672994.6/39

In: 8255.278+/-1.228 χ^2 /NDF:3857559.0/41

Out: 8176.079+/-1.171 χ^2 /NDF:4171848.1/45

All: 8213.799+/-0.847 χ^2 /NDF: 8031585.7/87

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left: 2637.181 $\pm$ 463.261 χ^2/NDF : 70.3/47

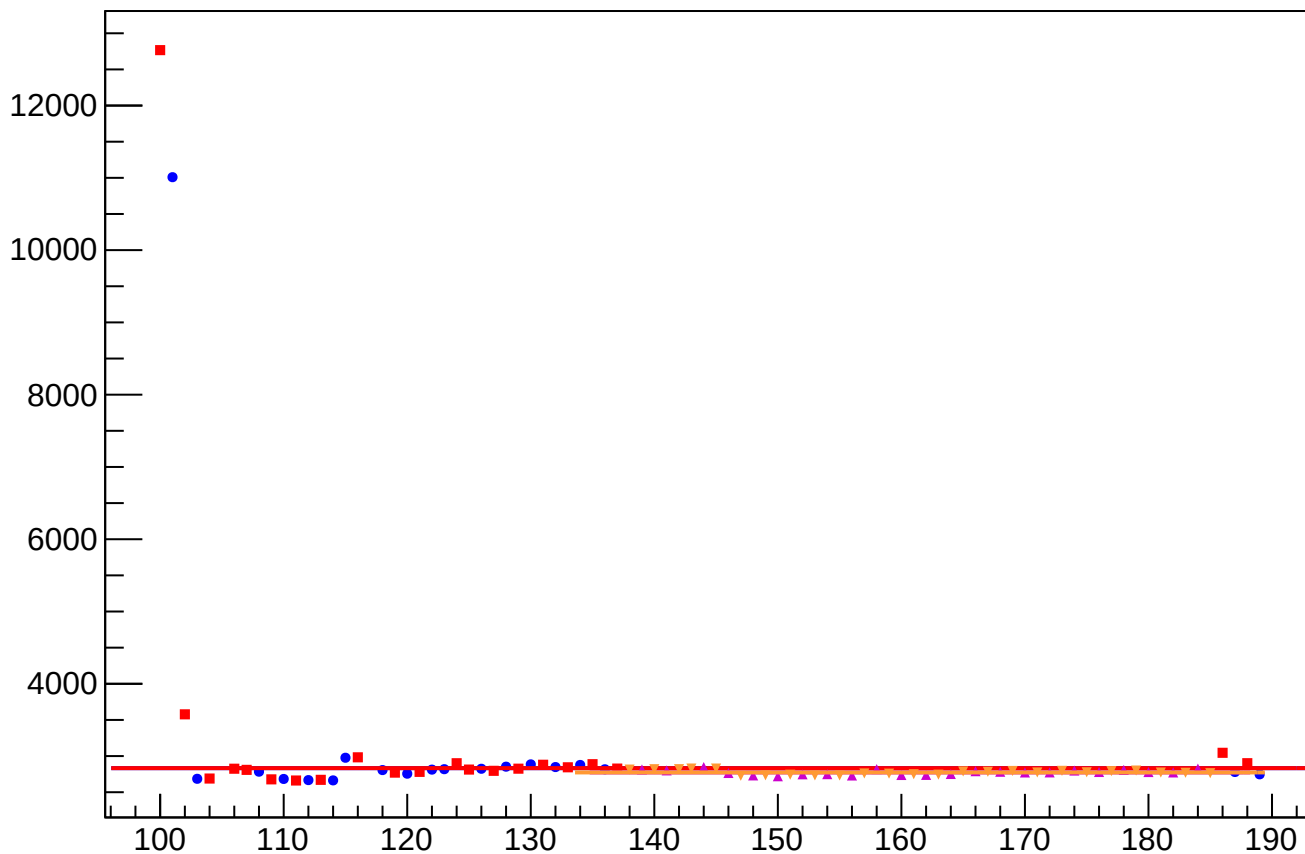
Right: 2170.172 $\pm$ 731.050 χ^2/NDF : 27.1/39

In: 2385.998 $\pm$ 565.922 χ^2/NDF : 51.4/41

Out: 2610.909 $\pm$ 541.662 χ^2/NDF : 46.1/45

All: 2503.377 $\pm$ 391.308 χ^2/NDF : 97.6/87

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2832.746 $\pm$ 0.763 χ^2 /NDF: 661163.6/18

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

Right Out: 2833.094 $\pm$ 0.703 χ^2 /NDF: 138339.0/20

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

Left: 2773.870 $\pm$ 0.328 χ^2 /NDF: 9602.0/47

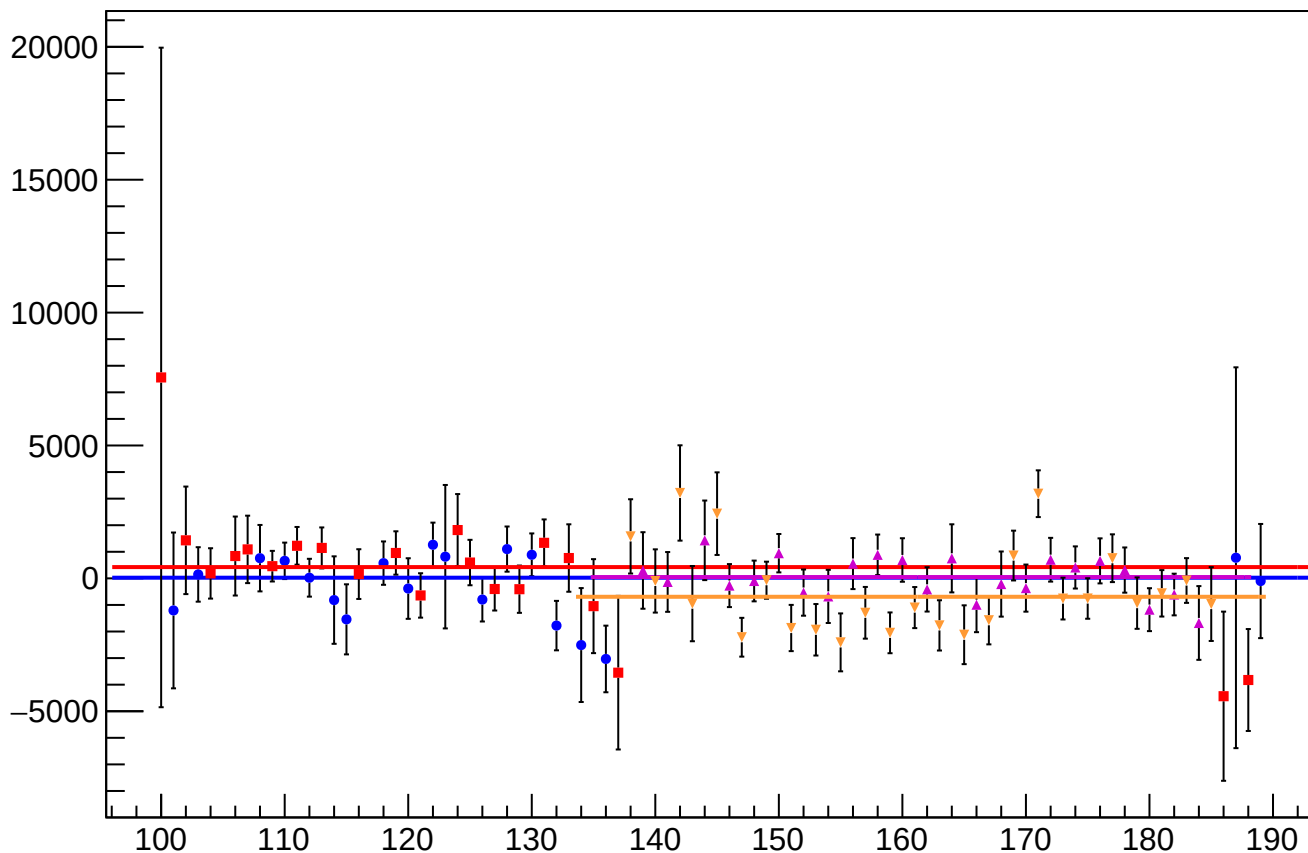
Right: 2832.934 $\pm$ 0.517 χ^2 /NDF: 799502.6/39

In: 2790.172 $\pm$ 0.400 χ^2 /NDF: 670438.8/41

Out: 2791.362 $\pm$ 0.383 χ^2 /NDF: 147975.9/45

All: 2790.793 $\pm$ 0.277 χ^2 /NDF: 818419.4/87

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: 25.000 $\pm$ 240.790 χ^2 /NDF: 20.8/18

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

Right Out: 424.238 $\pm$ 220.175 χ^2 /NDF: 19.3/20

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

Left: -325.512 $\pm$ 133.103 χ^2 /NDF: 77.4/47

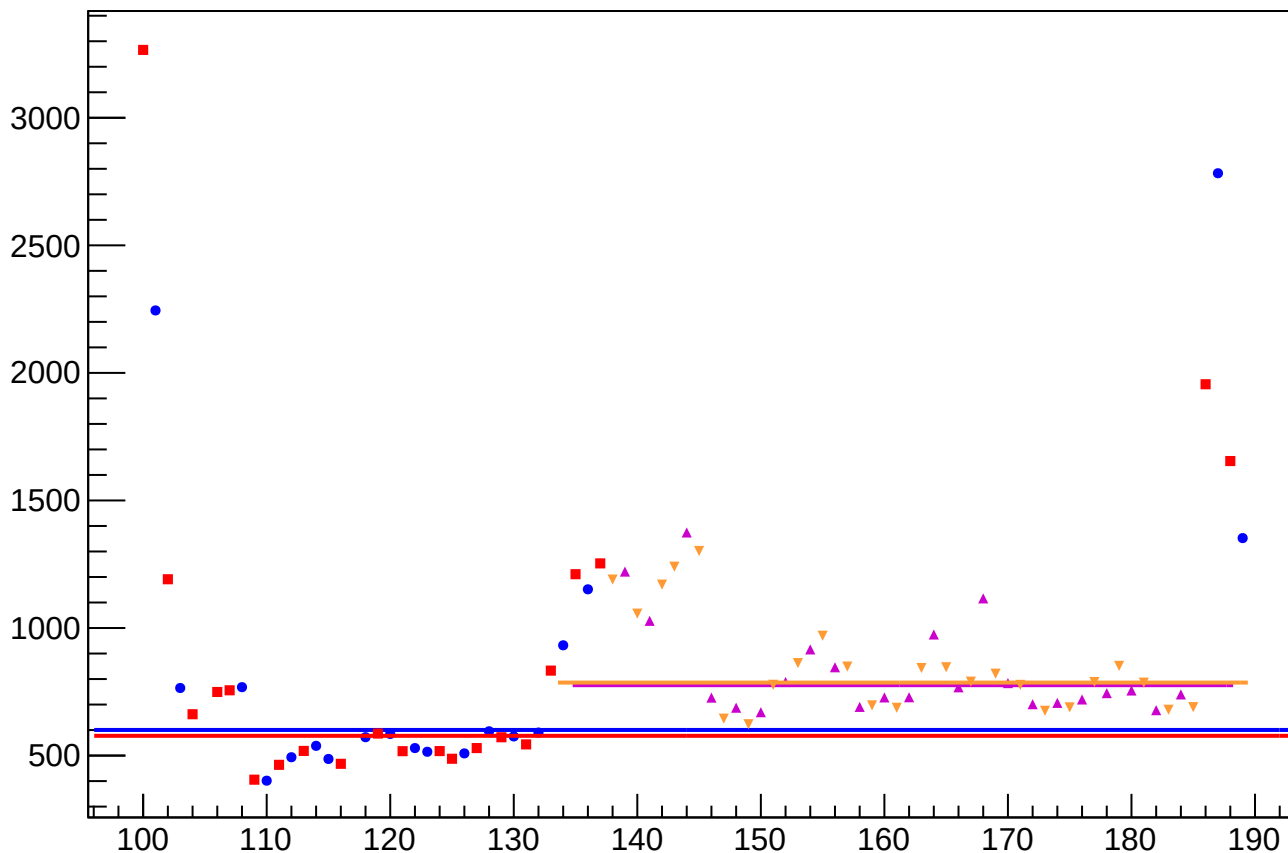
Right: 242.438 $\pm$ 162.487 χ^2 /NDF: 41.6/39

In: 39.990 $\pm$ 148.764 χ^2 /NDF:34.4/41

Out: -223.832 $\pm$ 142.662 χ^2 /NDF:90.2/45

All: -97.443 $\pm$ 102.967 χ^2 /NDF: 126.3/87

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left: 781.103+/-0.094 χ^2/NDF : 2309263.4/47

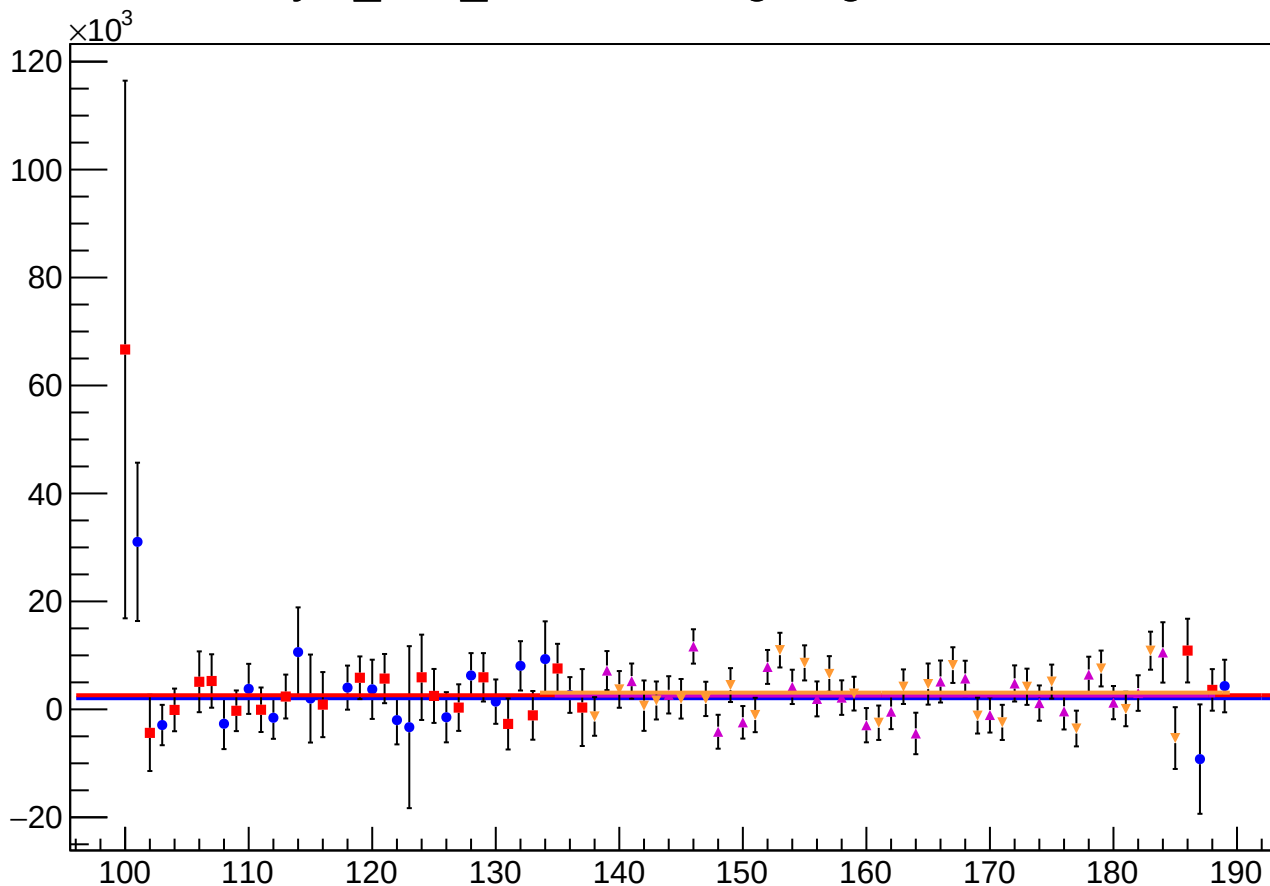
Right: 587.929+/-0.115 χ^2/NDF : 3998271.7/39

In: 708.953+/-0.105 χ^2/NDF :3572974.5/41

Out: 698.545+/-0.101 χ^2/NDF :4421091.6/45

All: 703.531+/-0.073 χ^2/NDF : 7999165.5/87

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2063.049+/-1128.066 χ^2/NDF : 15.9/18

Left Out: 3094.826+/-678.510 χ^2/NDF : 38.7/24

Right Out: 2611.647+/-1052.141 χ^2/NDF : 12.1/20

Left In: 2573.184+/-695.795 χ^2/NDF : 35.7/22

Left: 2840.565+/-485.775 χ^2/NDF : 74.6/47

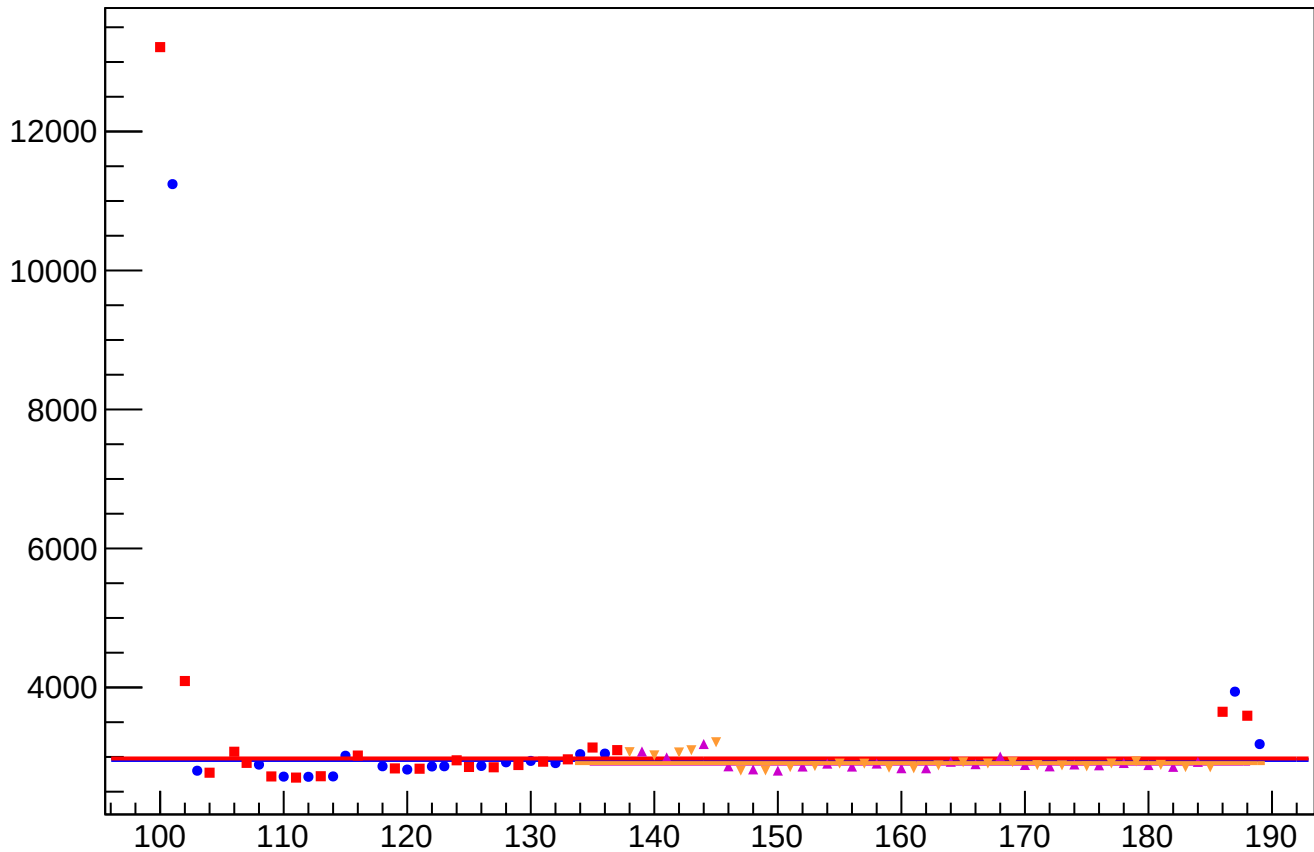
Right: 2356.430+/-769.419 χ^2/NDF : 28.1/39

In: 2432.593+/-592.204 χ^2/NDF : 51.8/41

Out: 2952.904+/-570.222 χ^2/NDF : 50.9/45

All: 2702.585+/-410.759 χ^2/NDF : 103.0/87

asym_atr1_rms vs Slug, Sign Corrected



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

Left: 2907.416+/-0.343 χ^2/NDF : 65612.1/47

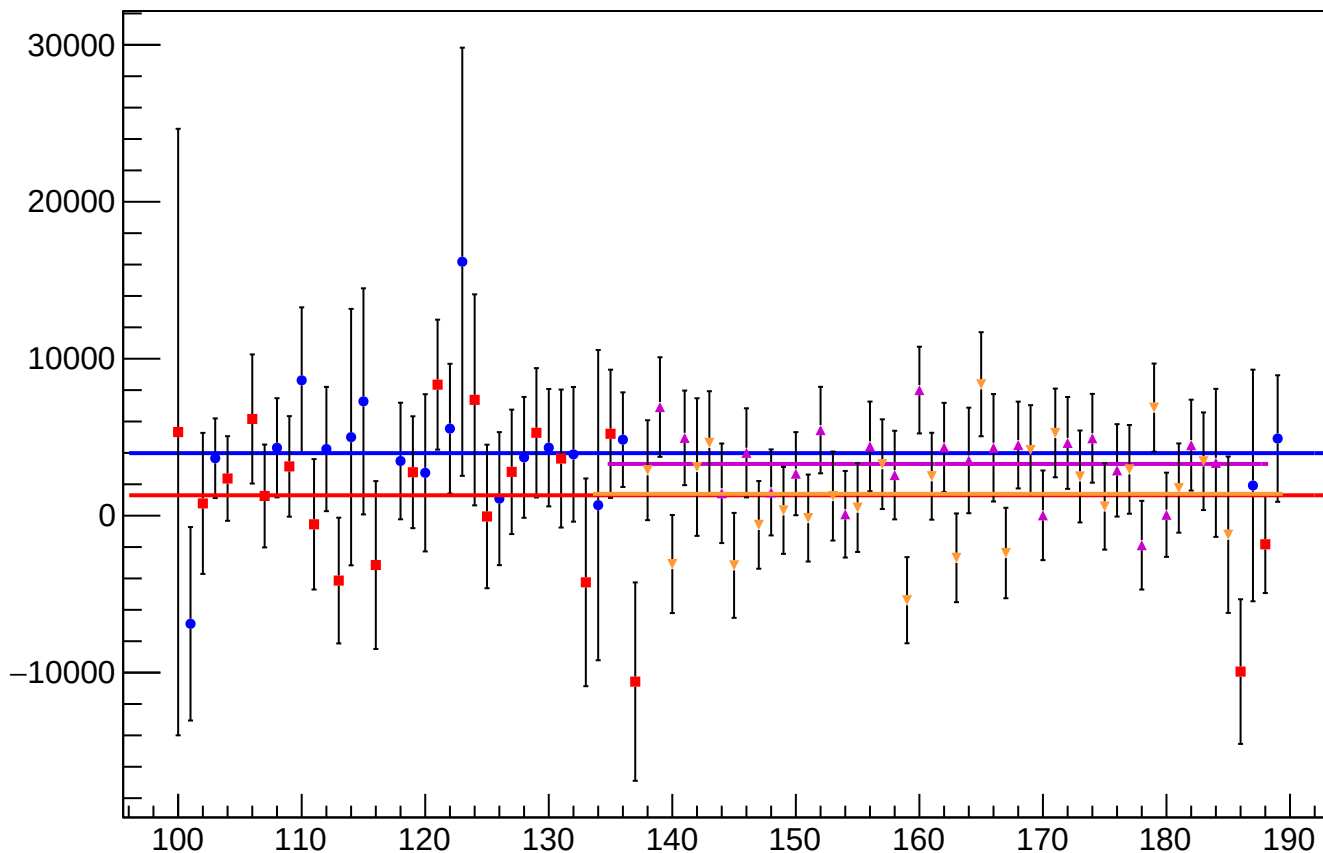
Right: 2968.123+/-0.544 χ^2/NDF : 942211.4/39

In: 2918.101+/-0.419 χ^2/NDF : 718385.0/41

Out: 2930.852+/-0.403 χ^2/NDF : 297859.1/45

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

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3984.075 $\pm$ 975.159 χ^2 /NDF: 6.2/18

Left Out: 1390.275 $\pm$ 596.516 χ^2 /NDF:29.2/24

Right Out: 1299.054 $\pm$ 900.061 χ^2 /NDF: 22.1/20

Left In: 3295.367 $\pm$ 609.991 χ^2 /NDF:14.9/22

Left: 2321.546 $\pm$ 426.485 χ^2 /NDF: 49.0/47

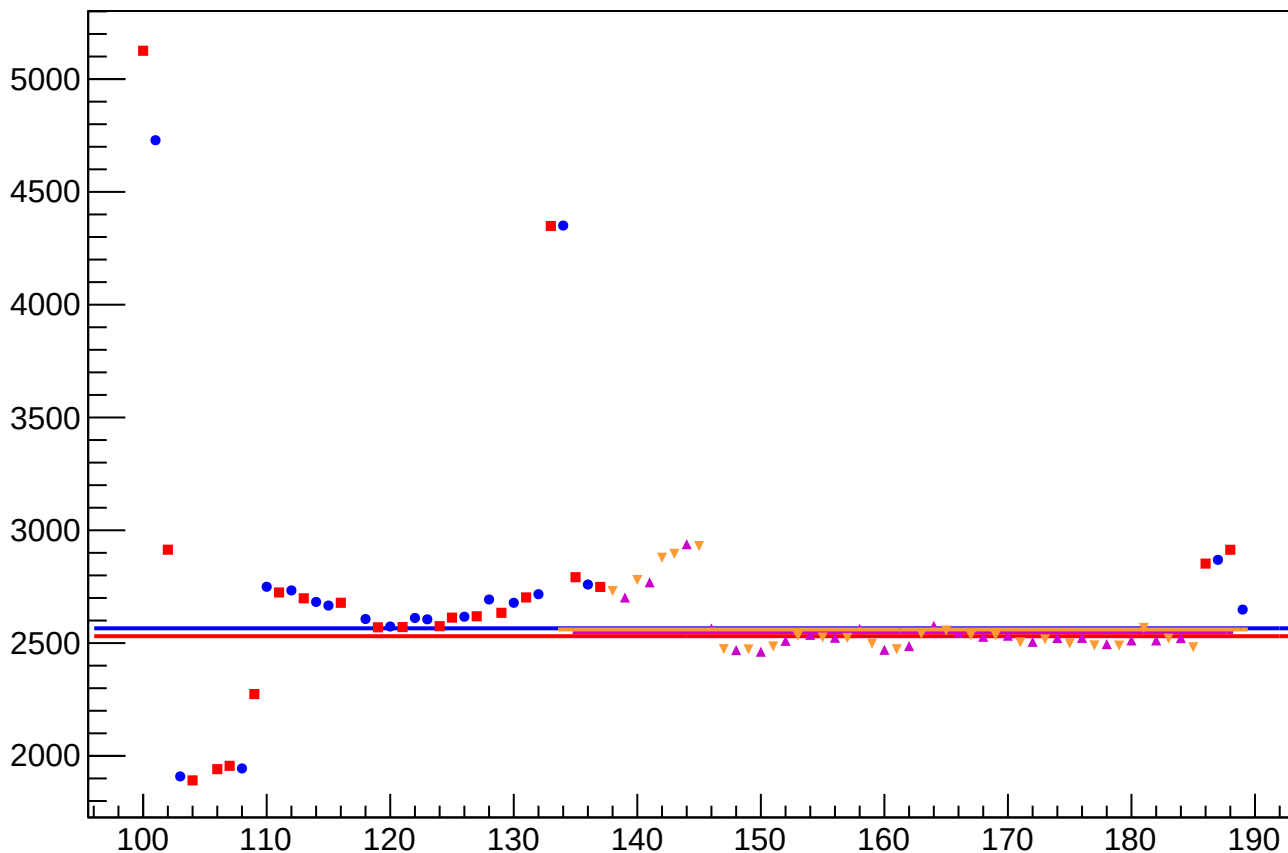
Right: 2534.209 $\pm$ 661.397 χ^2 /NDF: 32.4/39

In: 3489.060 $\pm$ 517.148 χ^2 /NDF:21.4/41

Out: 1362.435 $\pm$ 497.228 χ^2 /NDF:51.3/45

All: 2384.002 $\pm$ 358.429 χ^2 /NDF: 81.5/87

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2565.505 $\pm$ 0.690 χ^2 /NDF: 550240.7/18

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

Right Out: 2530.536 $\pm$ 0.636 χ^2 /NDF: 496004.7/20

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

Left: 2554.831 $\pm$ 0.302 χ^2 /NDF: 142411.2/47

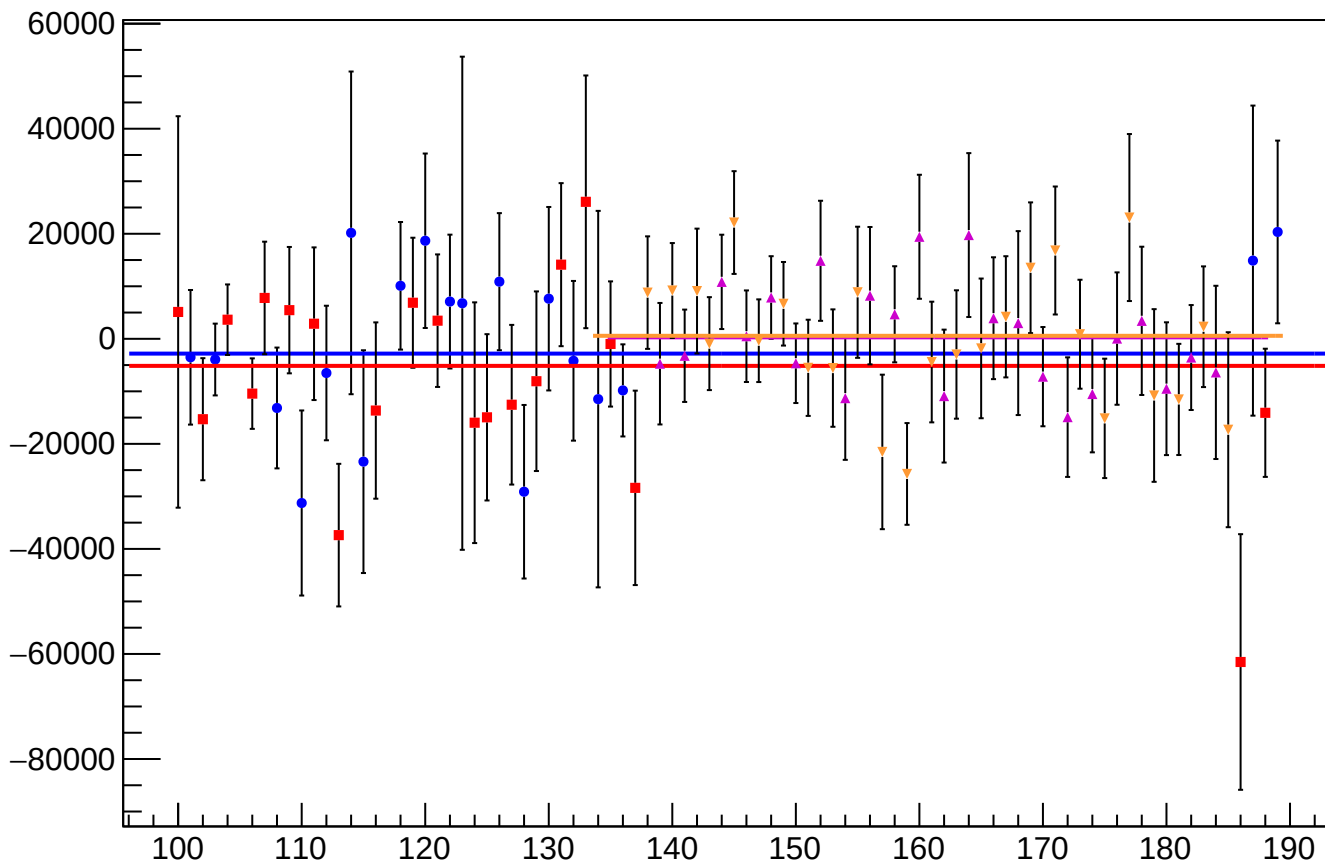
Right: 2546.622 $\pm$ 0.468 χ^2 /NDF: 1047634.1/39

In: 2553.548 $\pm$ 0.366 χ^2 /NDF: 605925.1/41

Out: 2551.377 $\pm$ 0.352 χ^2 /NDF: 584319.5/45

All: 2552.420 $\pm$ 0.253 χ^2 /NDF: 1190262.9/87

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left: 427.723+/-1564.847 χ^2/NDF : 43.9/47

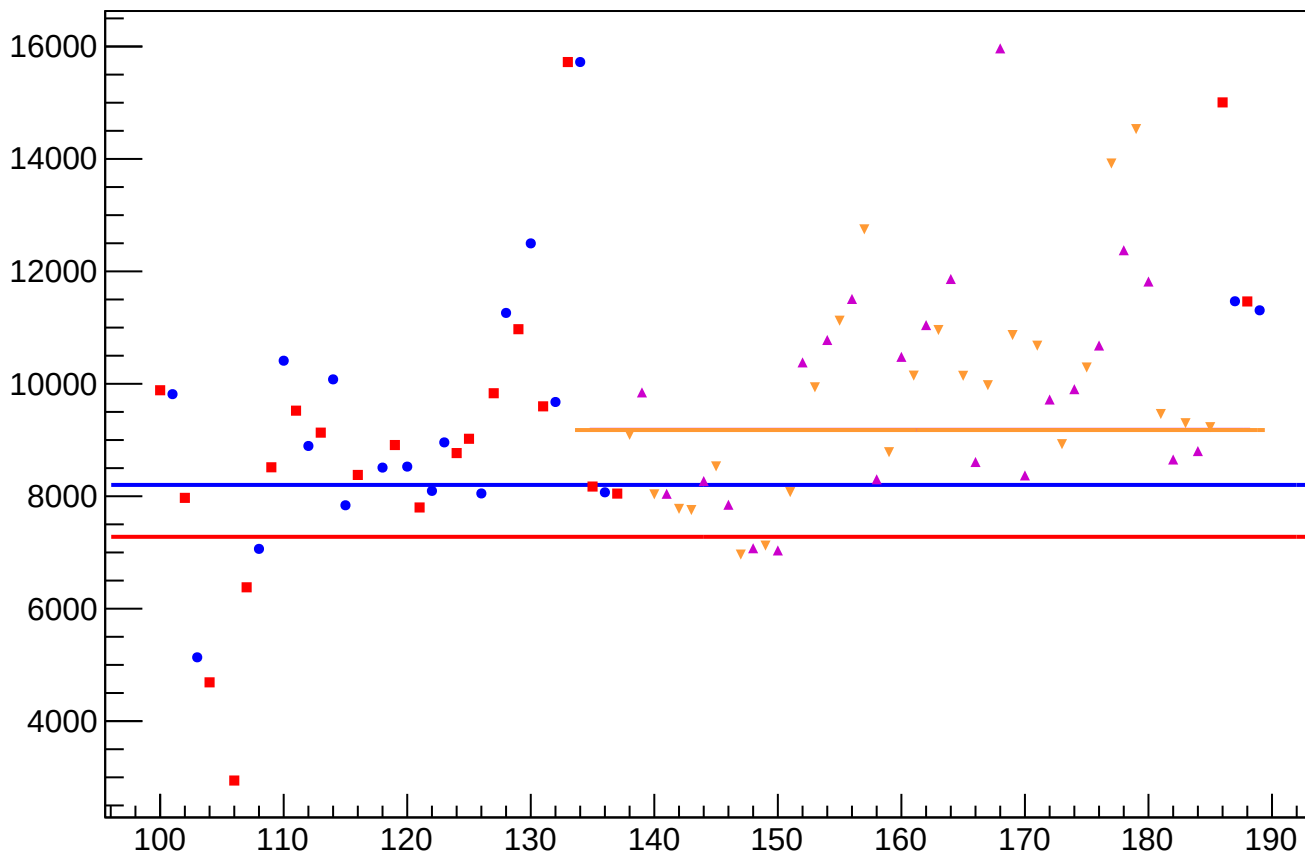
Right: -4147.783+/-2073.470 χ^2/NDF : 40.3/39

In: -760.020+/-1829.240 χ^2/NDF : 31.6/41

Out: -1645.517+/-1709.673 χ^2/NDF : 55.6/45

All: -1232.652+/-1249.054 χ^2/NDF : 87.4/87

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left: 9179.424+/-1.107 χ^2/NDF : 2412668.1/47

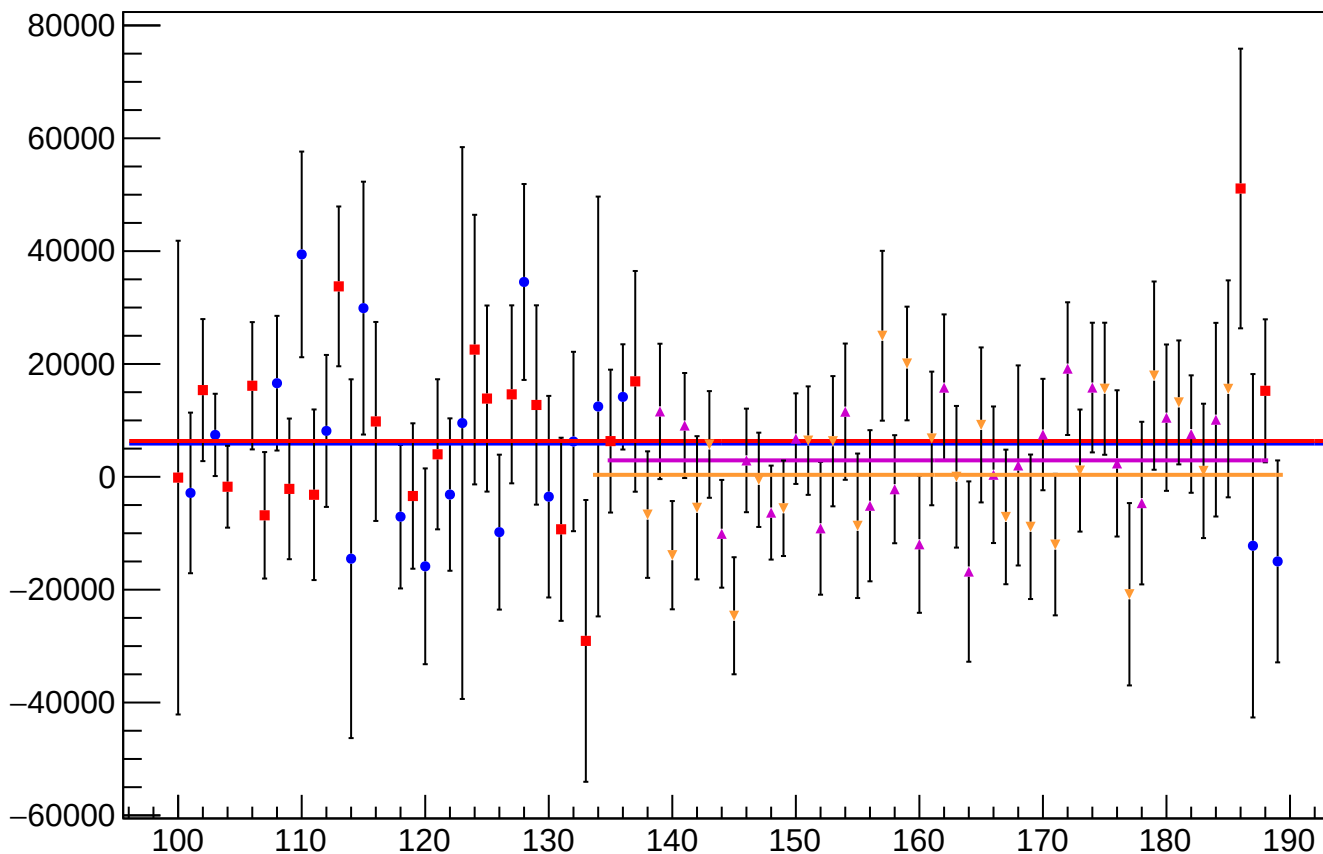
Right: 7675.495+/-1.466 χ^2/NDF : 3226035.3/39

In: 8853.221+/-1.293 χ^2/NDF : 2251995.1/41

Out: 8441.888+/-1.209 χ^2/NDF : 4003091.3/45

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

asym_atr2_mean vs Slug, Sign Corrected



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

Left: 1605.548+/-1633.097 χ^2/NDF : 41.8/47

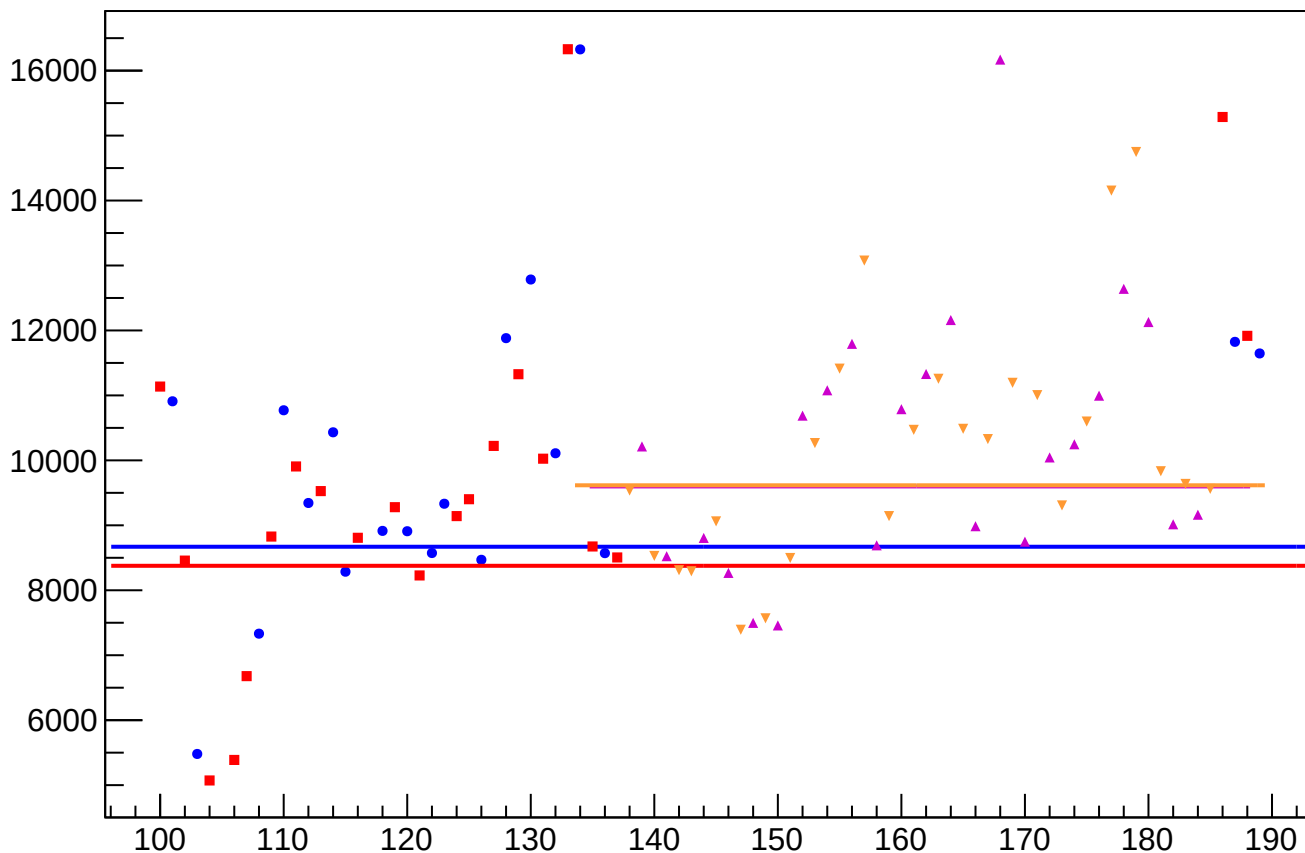
Right: 6143.544+/-2253.164 χ^2/NDF : 33.3/39

In: 3899.291+/-1915.008 χ^2/NDF : 31.6/41

Out: 2502.515+/-1828.043 χ^2/NDF : 45.9/45

All: 3168.468+/-1322.297 χ^2/NDF : 77.8/87

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8670.168 $\pm$ 2.359

χ^2/NDF : 850434.8/18

Left: 9607.606 $\pm$ 1.155

χ^2/NDF : 2093896.0/47

Left Out: 9616.245 $\pm$ 1.613

χ^2/NDF : 1011665.6/24

Right: 8510.573 $\pm$ 1.593

χ^2/NDF : 2146021.9/39

Right Out: 8376.822 $\pm$ 2.160

χ^2/NDF : 1287177.4/20

In: 9292.753 $\pm$ 1.354

χ^2/NDF : 2036429.4/41

Out: 9172.379 $\pm$ 1.293

χ^2/NDF : 2510187.6/45

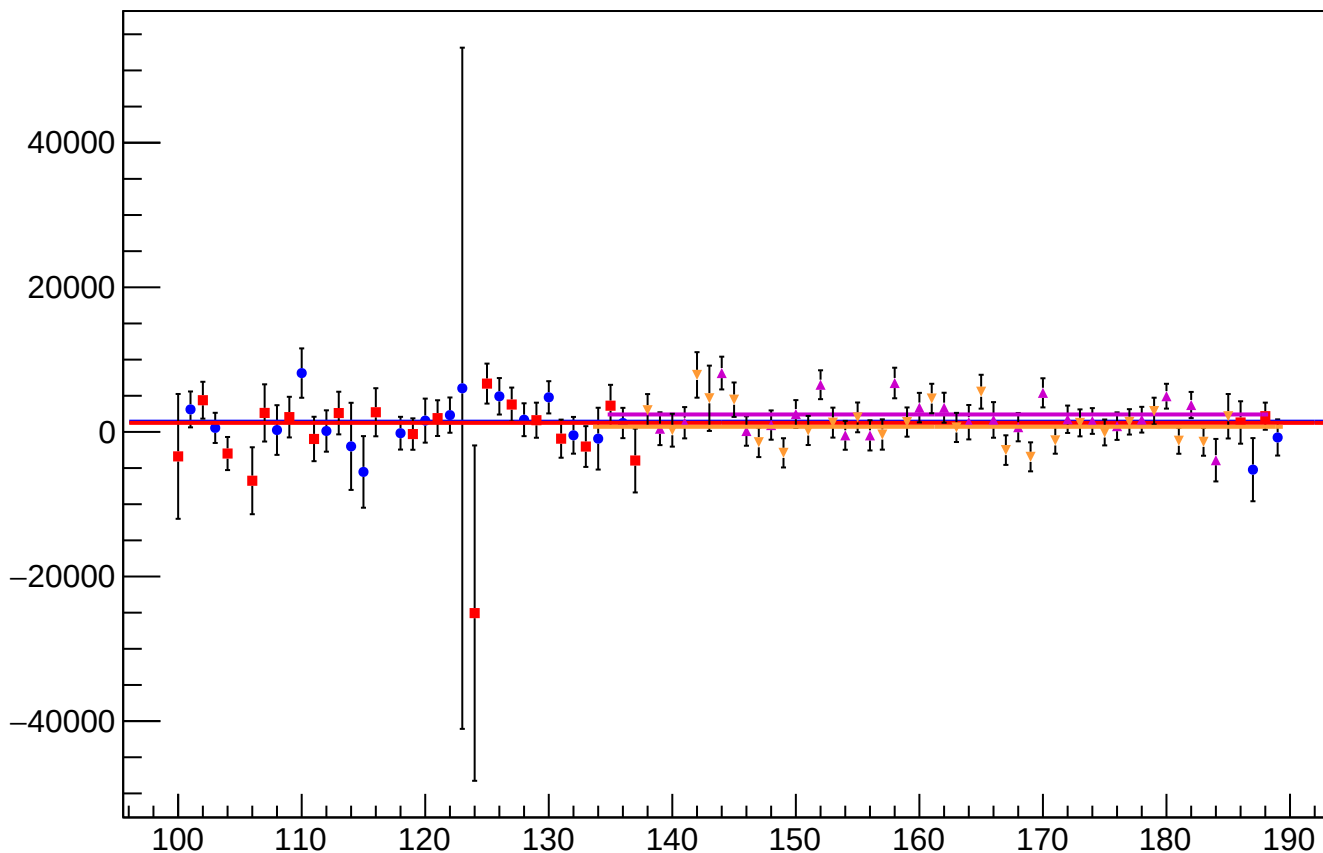
Left In: 9598.531 $\pm$ 1.654

χ^2/NDF : 1082171.6/22

All: 9229.770 $\pm$ 0.935

χ^2/NDF : 4550751.7/87

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left: 1549.879+/-297.262 χ^2 /NDF: 77.0/47

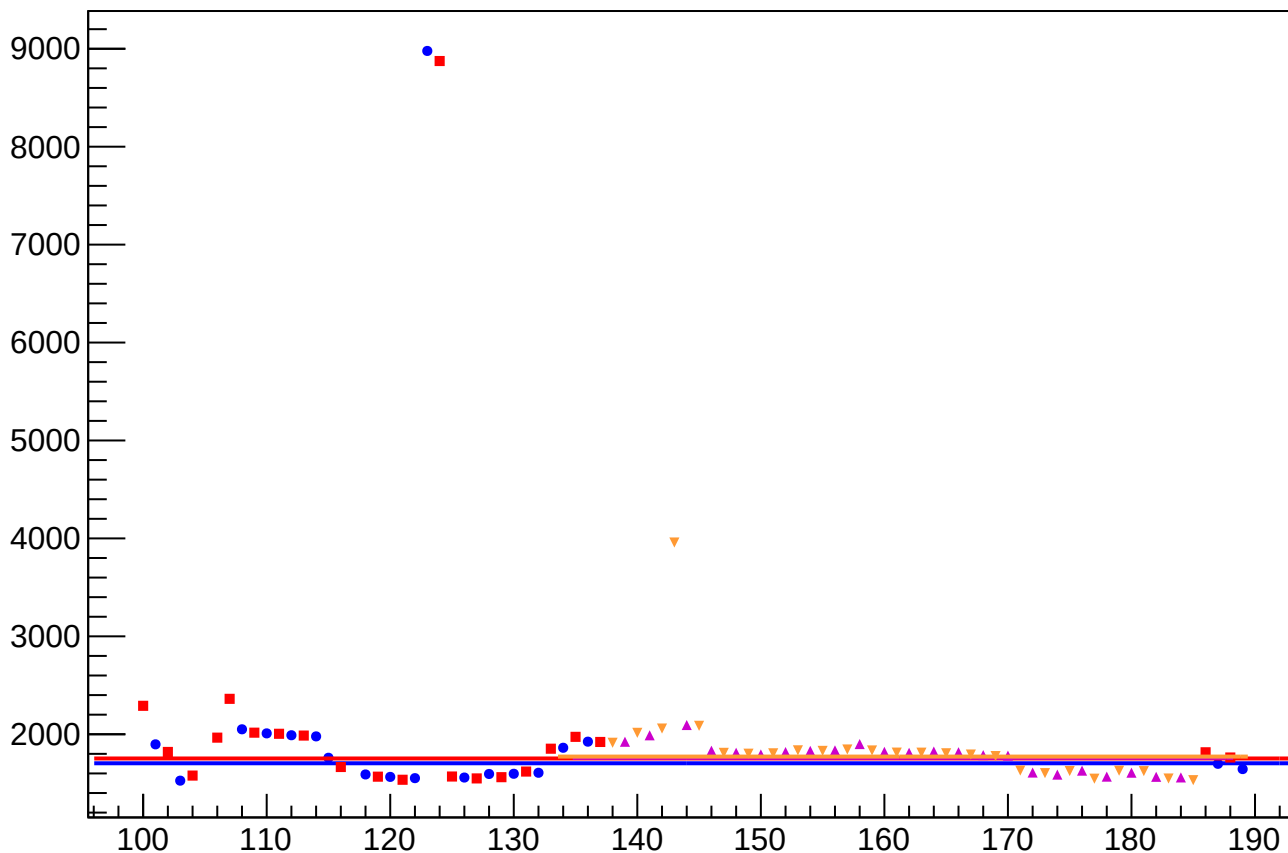
Right: 1332.858+/-445.715 χ^2 /NDF: 36.6/39

In: 2112.655+/-353.505 χ^2 /NDF:51.6/41

Out: 879.575+/-346.100 χ^2 /NDF:56.0/45

All: 1483.066+/-247.306 χ^2 /NDF: 113.8/87

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1703.787 $\pm$ 0.454 χ^2 /NDF: 196995.8/18

Left Out: 1772.046 $\pm$ 0.295 χ^2 /NDF: 702472.4/24

Right Out: 1752.649 $\pm$ 0.436 χ^2 /NDF: 397437.1/20

Left In: 1759.600 $\pm$ 0.299 χ^2 /NDF: 214891.5/22

Left: 1765.913 $\pm$ 0.210 χ^2 /NDF: 918240.2/47

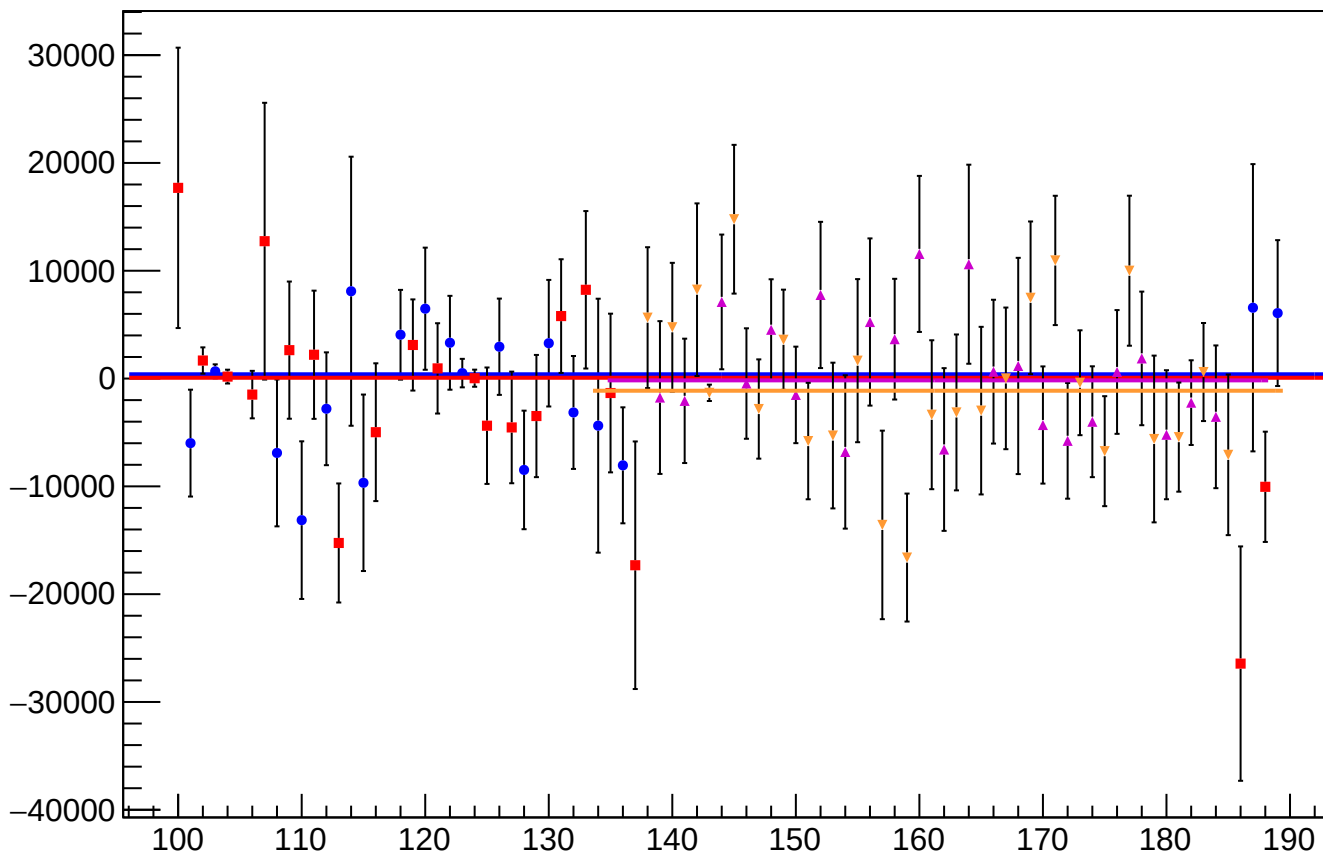
Right: 1729.194 $\pm$ 0.315 χ^2 /NDF: 600456.0/39

In: 1742.680 $\pm$ 0.250 χ^2 /NDF: 422418.9/41

Out: 1765.955 $\pm$ 0.244 χ^2 /NDF: 1101266.0/45

All: 1754.578 $\pm$ 0.175 χ^2 /NDF: 1528116.5/87

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 397.009 ± 538.506 $\chi^2/\text{NDF}: 18.2/18$

Left Out: -1129.807 ± 647.600 $\chi^2/\text{NDF}: 31.5/24$

Right Out: 73.281 ± 431.781 $\chi^2/\text{NDF}: 30.7/20$

Left In: -168.182 ± 1232.411 $\chi^2/\text{NDF}: 14.2/22$

Left: -921.734 ± 573.272 $\chi^2/\text{NDF}: 46.1/47$

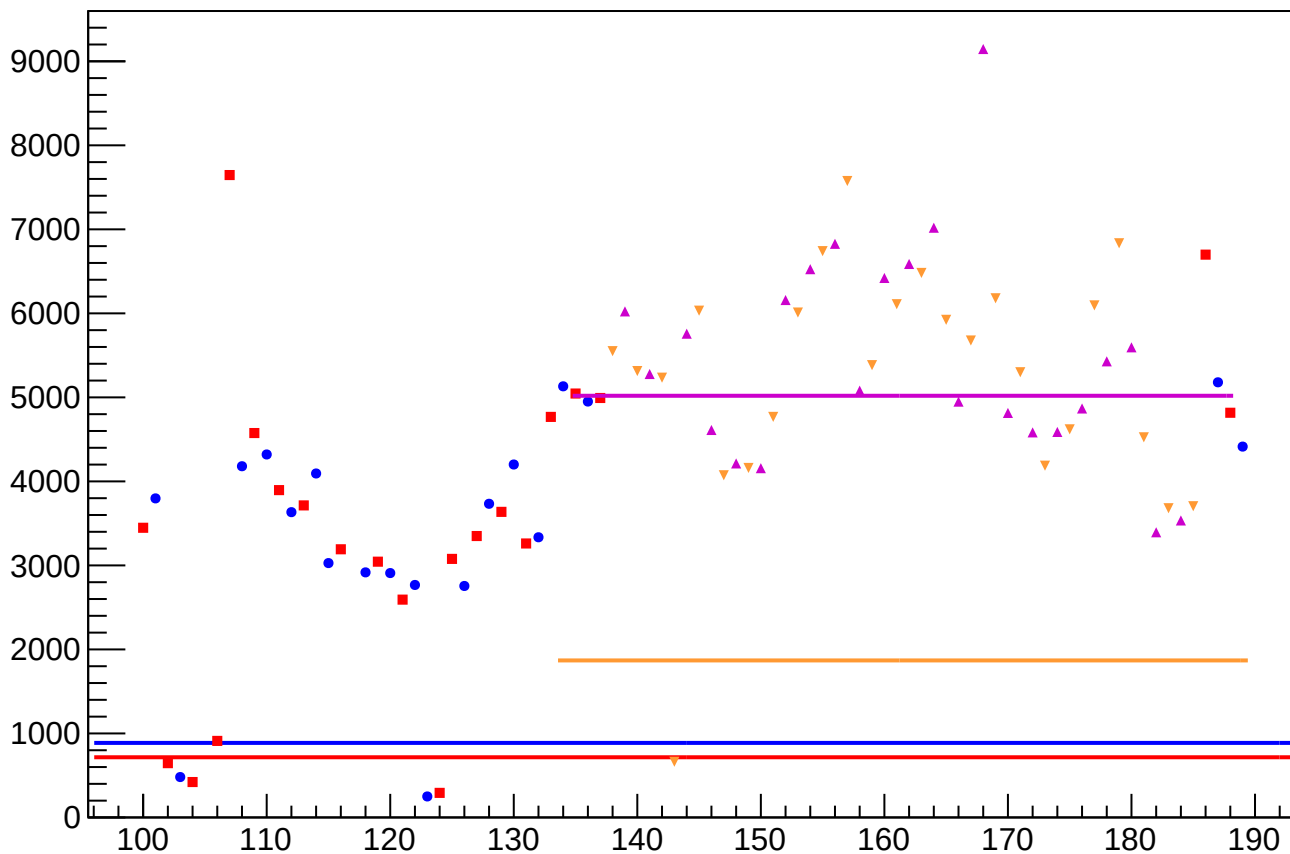
Right: 199.963 ± 336.866 $\chi^2/\text{NDF}: 49.2/39$

In: 306.398 ± 493.455 $\chi^2/\text{NDF}: 32.6/41$

Out: -296.957 ± 359.251 $\chi^2/\text{NDF}: 64.6/45$

All: -87.943 ± 290.435 $\chi^2/\text{NDF}: 98.2/87$

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 887.379 $\pm$ 0.381 χ^2 /NDF: 8883356.5/18

Left Out: 1868.983 $\pm$ 0.458 χ^2 /NDF:19852416.6/24

Right Out: 716.376 $\pm$ 0.305 χ^2 /NDF: 10265032.8/20

Left In: 5019.114 $\pm$ 0.871 χ^2 /NDF:1569031.9/22

Left: 2550.597 $\pm$ 0.405 χ^2 /NDF: 31661059.7/47

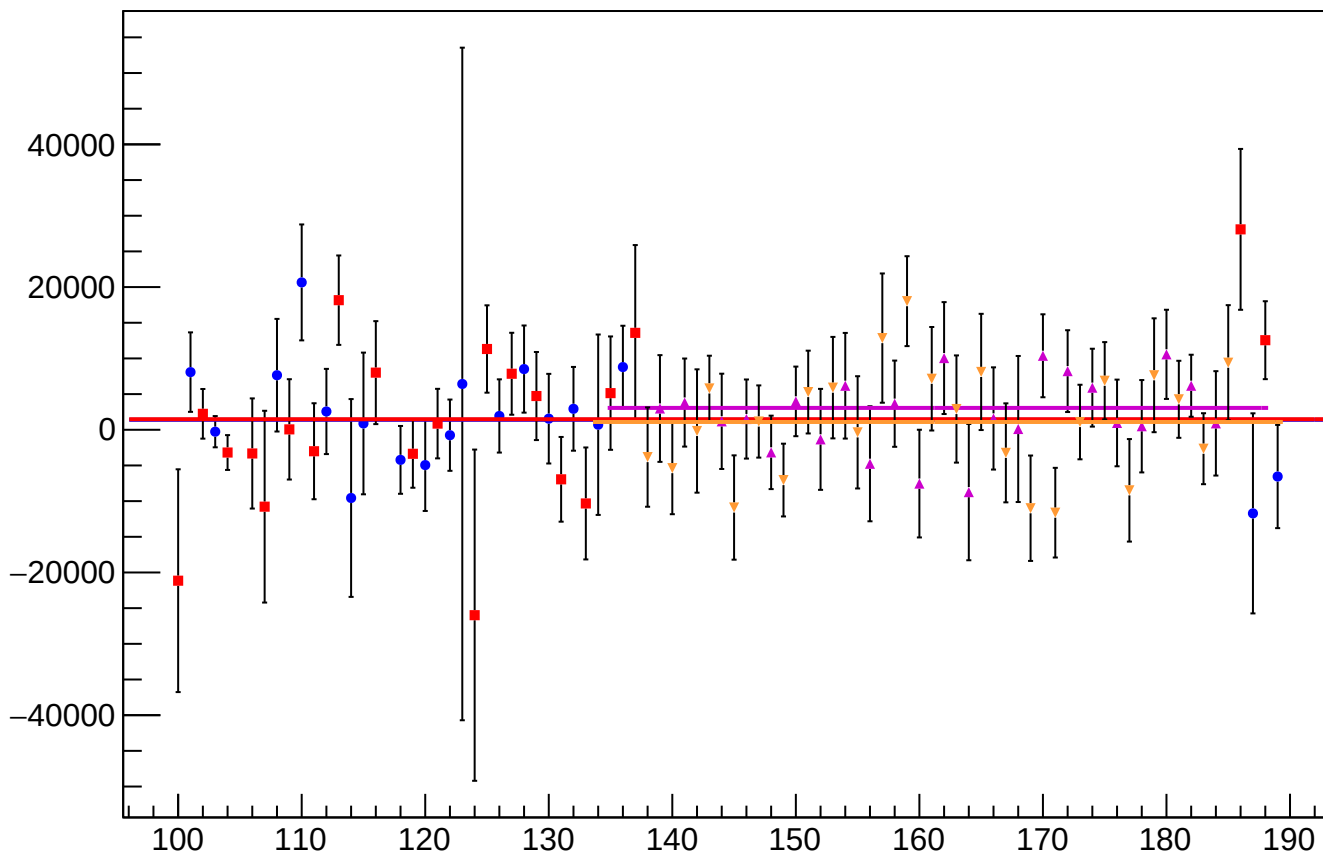
Right: 783.293 $\pm$ 0.238 χ^2 /NDF: 19271145.9/39

In: 1549.773 $\pm$ 0.349 χ^2 /NDF:29327873.7/41

Out: 1071.079 $\pm$ 0.254 χ^2 /NDF:34503251.4/45

All: 1236.907 $\pm$ 0.205 χ^2 /NDF: 65061255.5/86

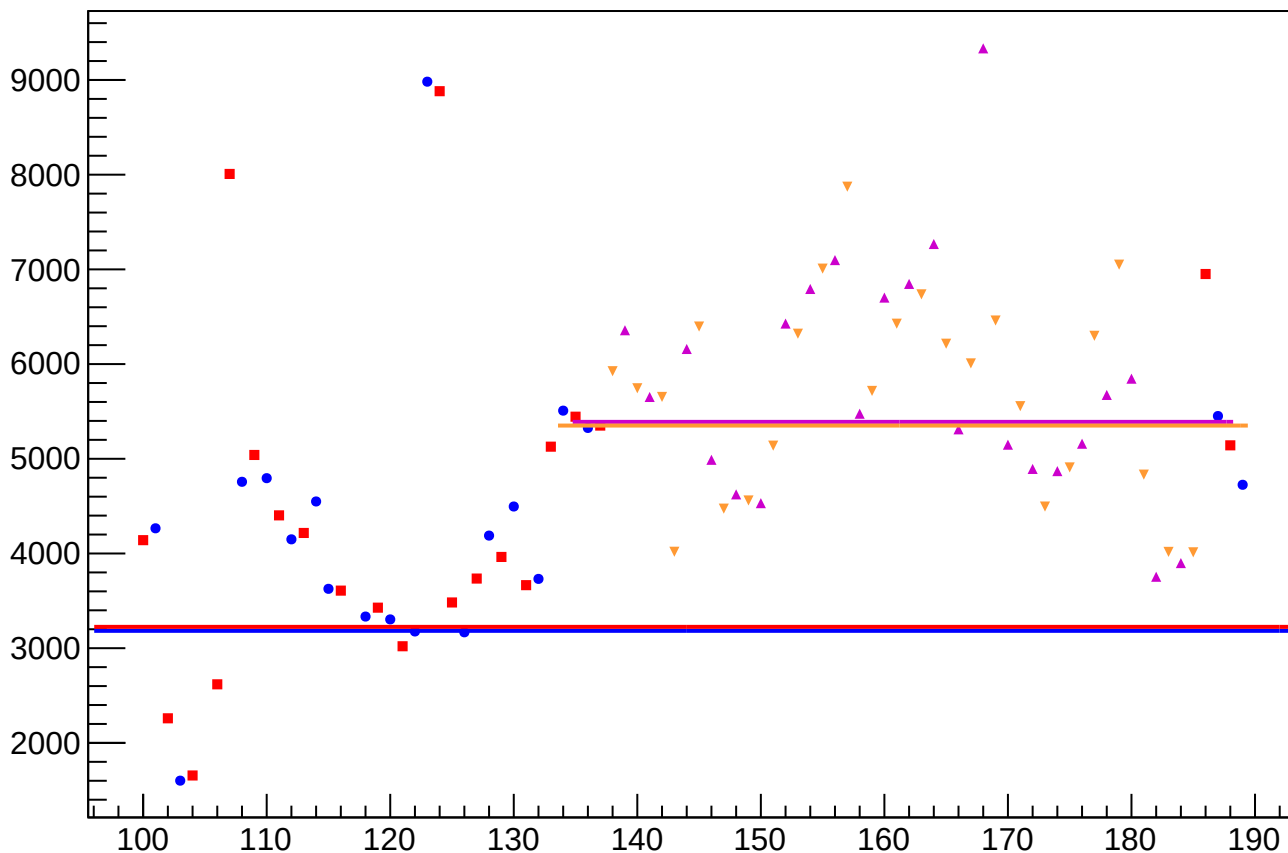
asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1400.957 $\pm$ 1286.690 χ^2 /NDF: 16.7/18
 Left Out: 1094.317 $\pm$ 1273.113 χ^2 /NDF:32.0/24
 Right Out: 1476.997 $\pm$ 1246.308 χ^2 /NDF: 37.1/20
 Left In: 3064.775 $\pm$ 1318.173 χ^2 /NDF:12.6/22

Left: 2045.291 $\pm$ 915.742 χ^2 /NDF: 45.7/47
 Right: 1440.189 $\pm$ 895.209 χ^2 /NDF: 53.8/39
 In: 2212.759 $\pm$ 920.756 χ^2 /NDF:30.1/41
 Out: 1289.728 $\pm$ 890.598 χ^2 /NDF:69.1/45
 All: 1735.880 $\pm$ 640.144 χ^2 /NDF: 99.7/87

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3183.326 $\pm$ 0.910 χ^2 /NDF: 2031606.2/18

Left Out: 5350.804 $\pm$ 0.900 χ^2 /NDF:1241497.9/24

Right Out: 3225.236 $\pm$ 0.869 χ^2 /NDF: 2500225.1/20

Left In: 5389.724 $\pm$ 0.932 χ^2 /NDF:1309863.0/22

Left: 5369.587 $\pm$ 0.648 χ^2 /NDF: 2552263.0/47

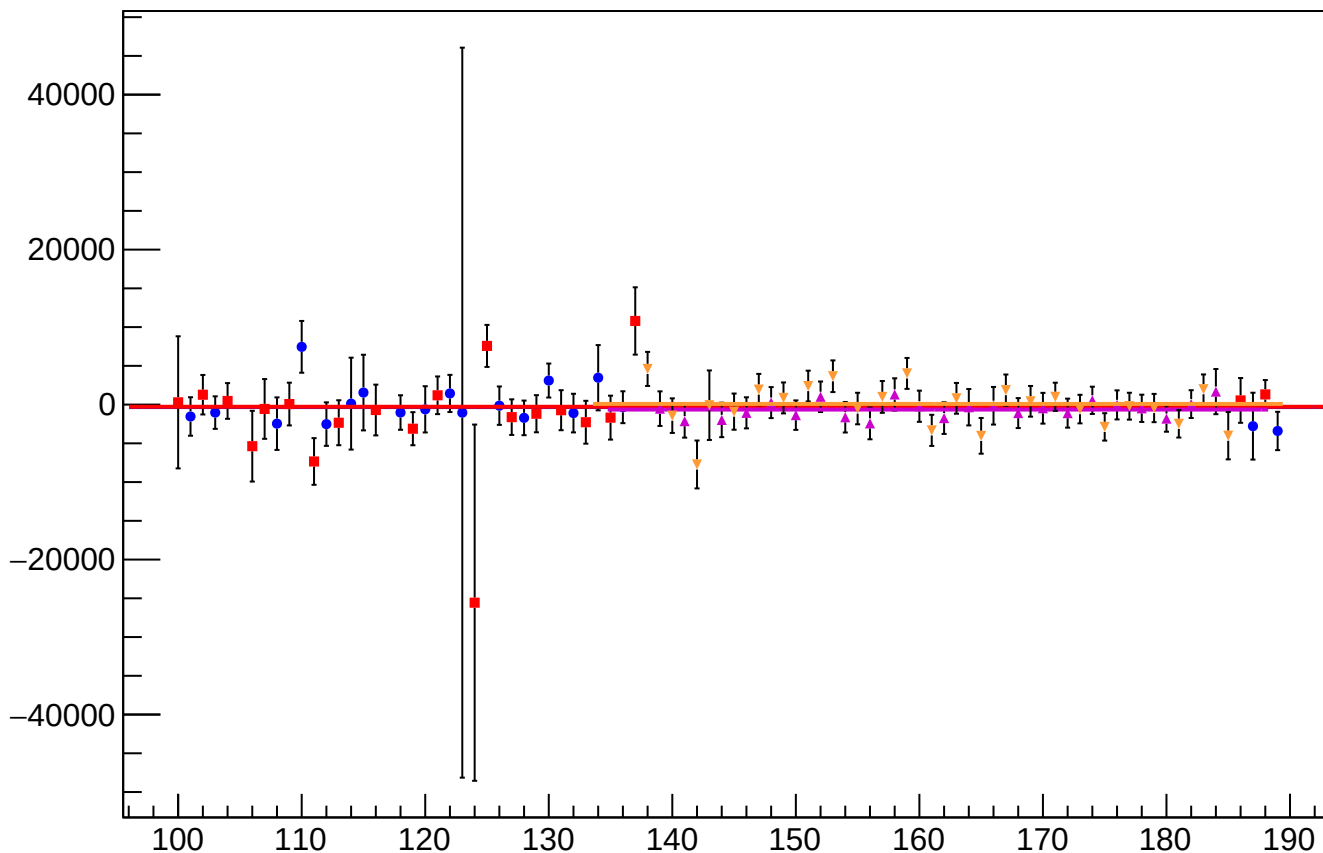
Right: 3205.235 $\pm$ 0.629 χ^2 /NDF: 4532940.7/39

In: 4259.856 $\pm$ 0.651 χ^2 /NDF:6210906.2/41

Out: 4250.855 $\pm$ 0.625 χ^2 /NDF:6626710.5/45

All: 4255.174 $\pm$ 0.451 χ^2 /NDF: 12837716.2/8

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left: -271.653 ± 293.134 χ^2/NDF : 43.7/47

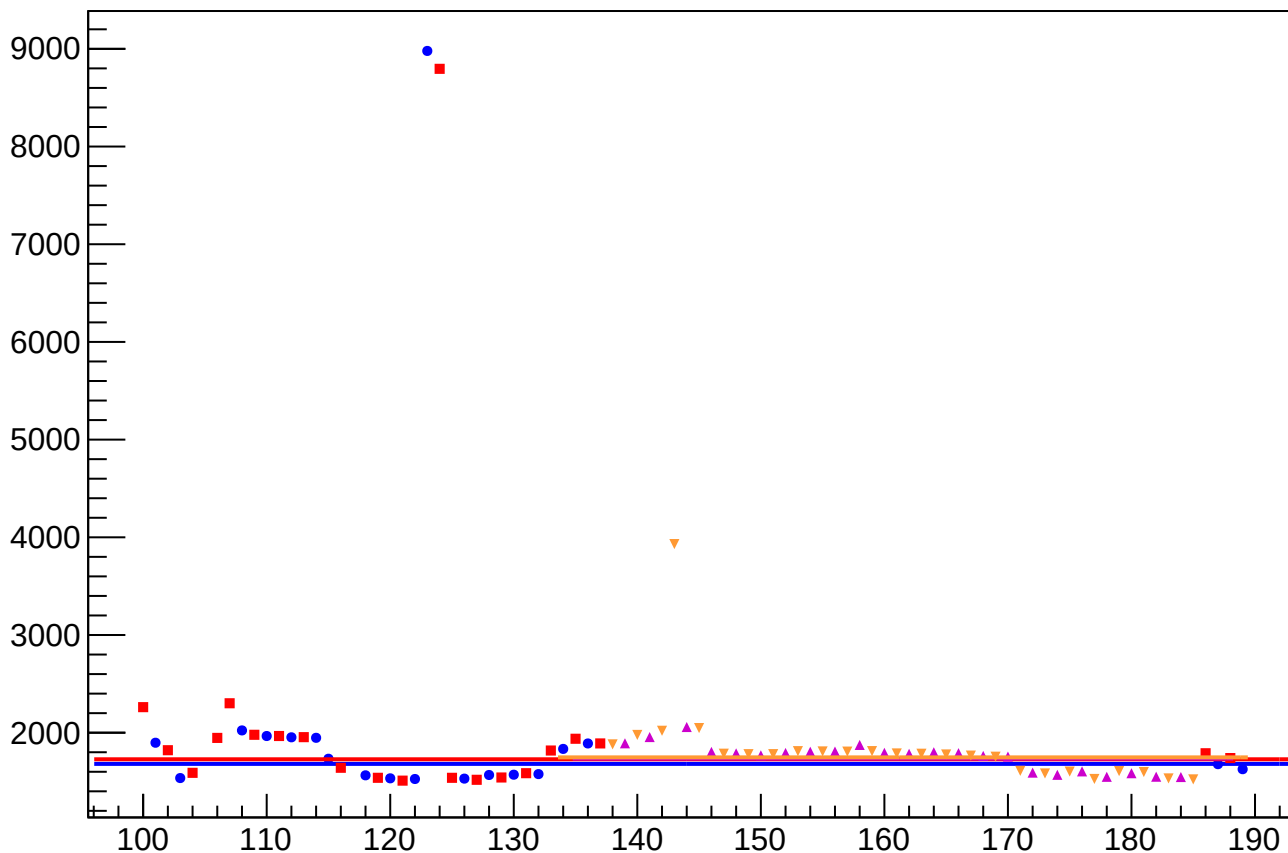
Right: -299.229 ± 439.468 χ^2/NDF : 41.3/39

In: -542.502 ± 348.660 χ^2/NDF : 19.5/41

Out: -28.883 ± 341.208 χ^2/NDF : 64.4/45

All: -280.144 ± 243.862 χ^2/NDF : 85.0/87

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left: 1741.517 $\pm$ 0.207 χ^2 /NDF: 905766.2/47

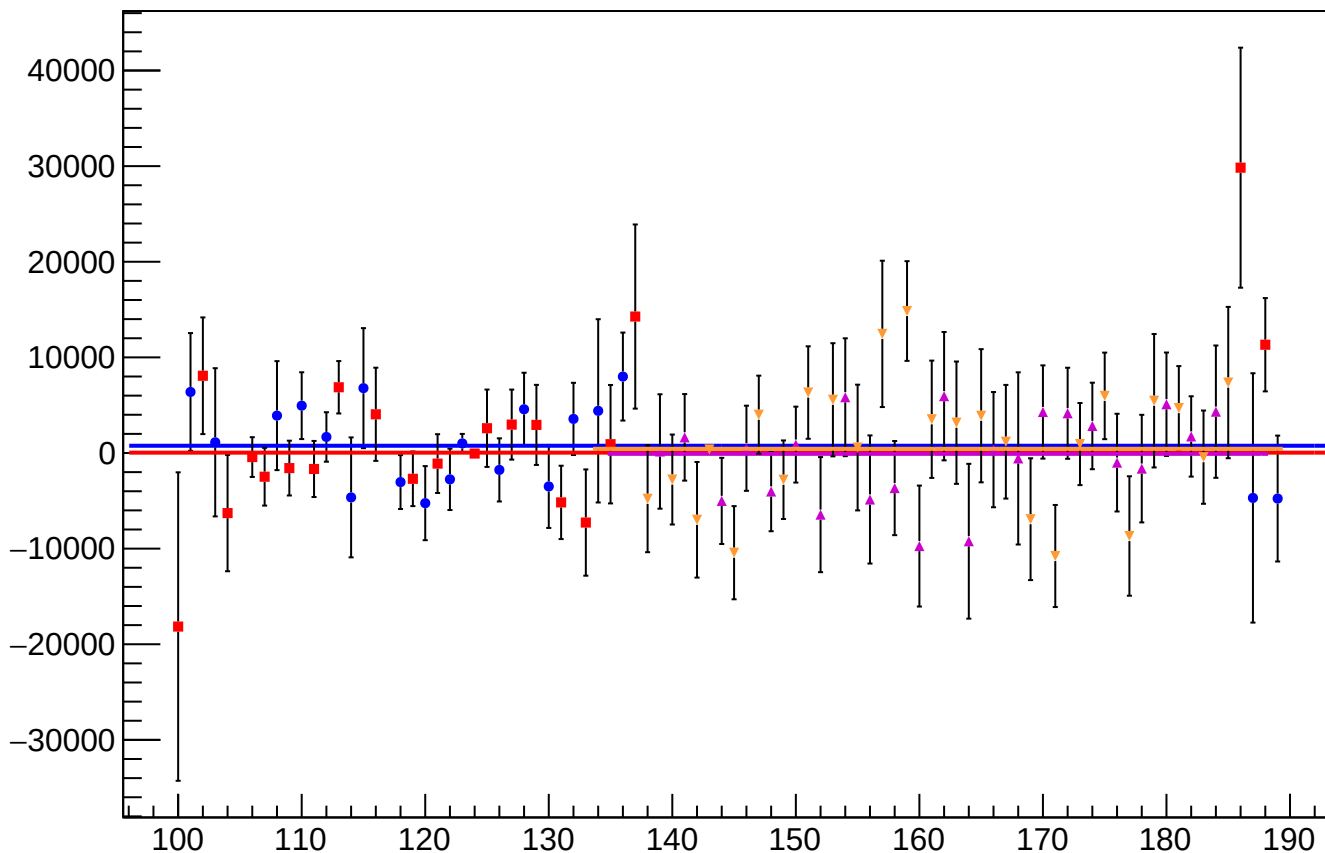
Right: 1705.237 $\pm$ 0.310 χ^2 /NDF: 594471.3/39

In: 1718.926 $\pm$ 0.247 χ^2 /NDF: 412260.7/41

Out: 1741.200 $\pm$ 0.241 χ^2 /NDF: 1093261.2/45

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

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 758.540 $\pm$ 701.778 χ^2 /NDF: 16.4/18

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

Right Out: 37.157 $\pm$ 356.209 χ^2 /NDF: 31.8/20

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

Left: 368.296 $\pm$ 408.531 χ^2 /NDF: 47.5/47

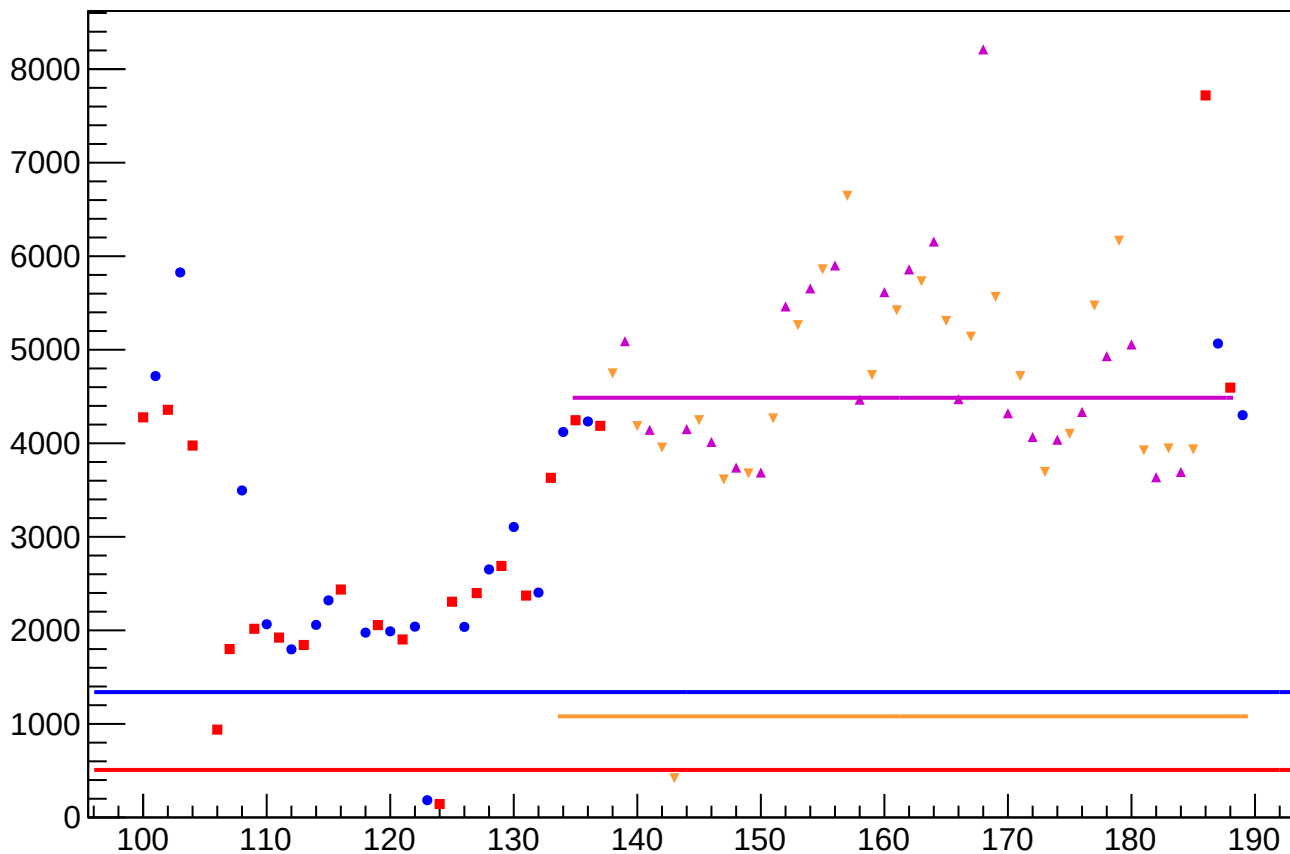
Right: 184.938 $\pm$ 317.634 χ^2 /NDF: 49.1/39

In: 511.867 $\pm$ 590.823 χ^2 /NDF:30.3/41

Out: 197.367 $\pm$ 276.939 χ^2 /NDF:66.2/45

All: 254.020 $\pm$ 250.759 χ^2 /NDF: 96.8/87

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1340.150+/-0.496

χ^2/NDF : 7085479.1/18

Left Out: 1081.004+/-0.311

χ^2/NDF : 24456244.2/24

Right Out: 508.172+/-0.252

χ^2/NDF : 12192603.2/20

Left In: 4486.570+/-0.774

χ^2/NDF : 1181598.1/22

Left: 1555.179+/-0.289

χ^2/NDF : 42294704.7/47

Right: 678.610+/-0.225

χ^2/NDF : 21513189.0/39

In: 2256.436+/-0.418

χ^2/NDF : 19974943.9/41

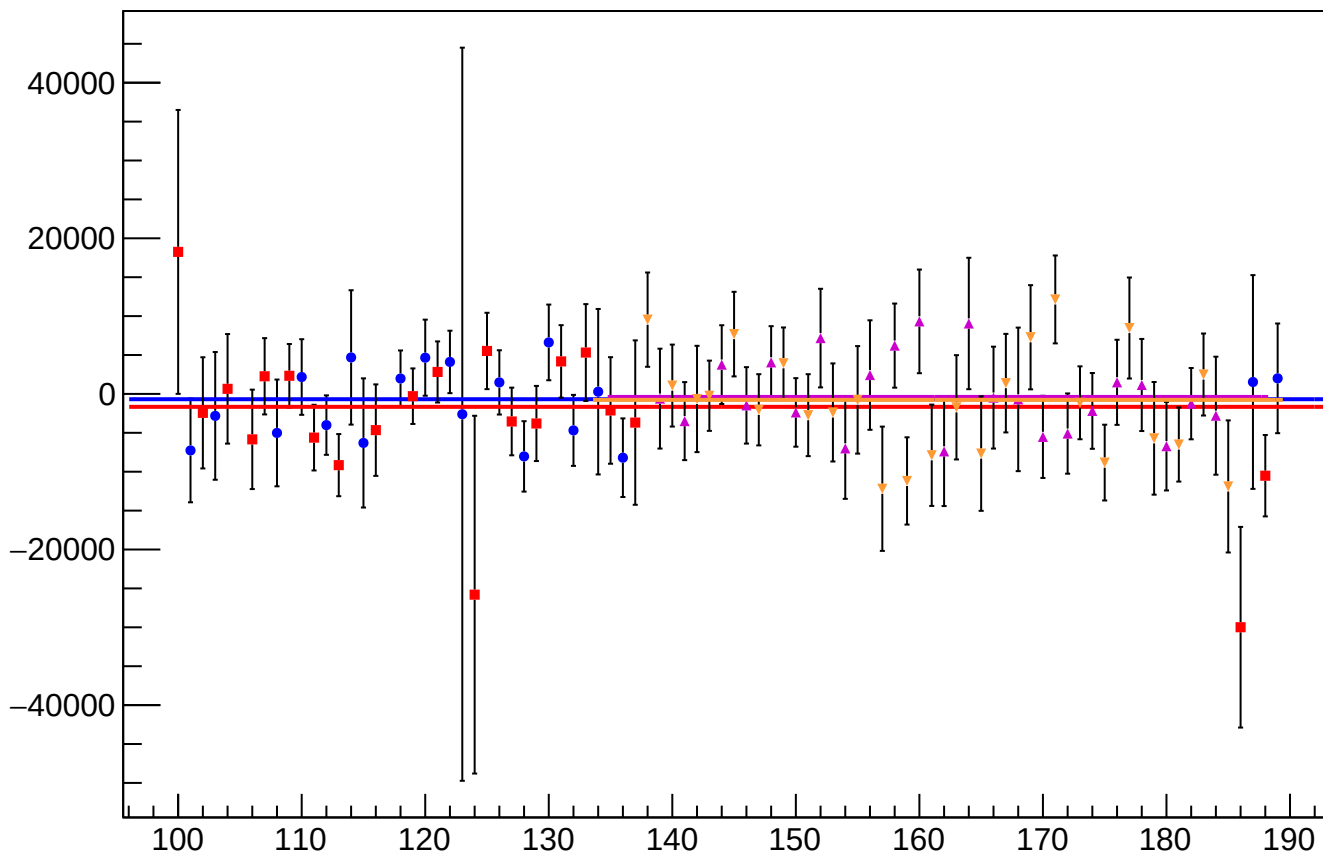
Out: 734.757+/-0.196

χ^2/NDF : 38694715.8/45

All: 1008.864+/-0.177

χ^2/NDF : 69546547.6/86

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left: -583.764+/-824.733 χ^2/NDF : 44.2/47

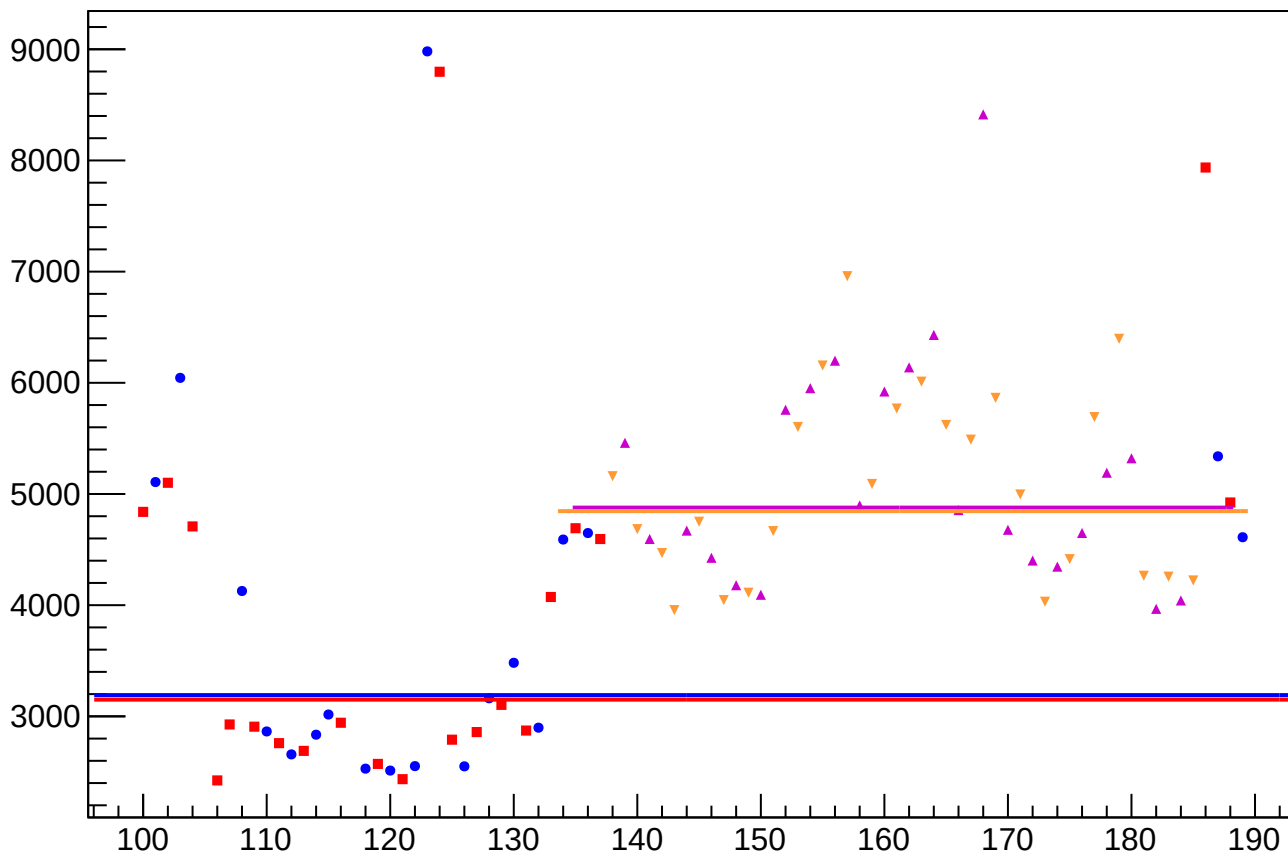
Right: -1204.788+/-847.085 χ^2/NDF : 38.8/39

In: -528.670+/-857.371 χ^2/NDF : 29.1/41

Out: -1209.283+/-815.565 χ^2/NDF : 53.9/45

All: -885.974+/-590.919 χ^2/NDF : 83.3/87

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left: 4861.089+/-0.583 χ^2/NDF : 1868533.9/47

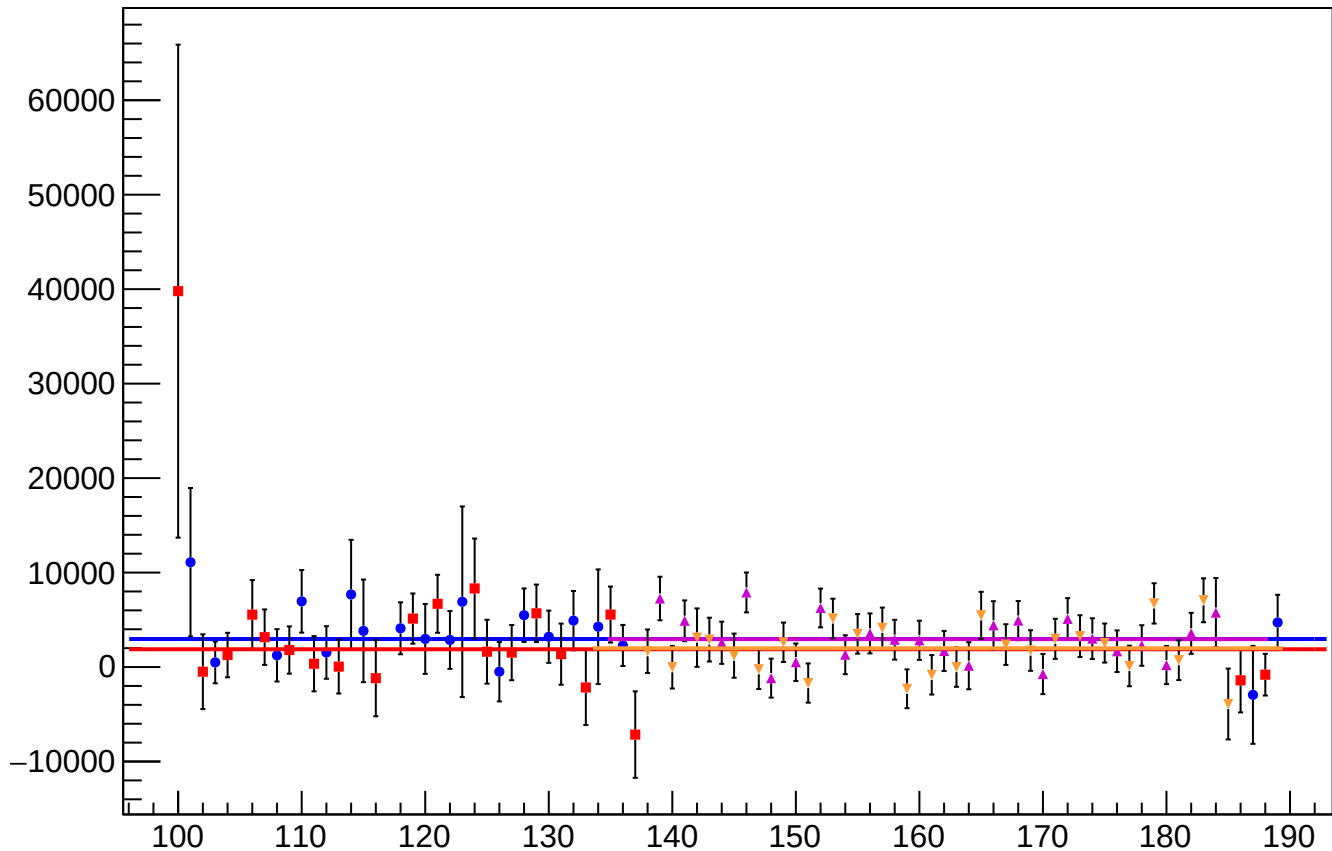
Right: 3169.213+/-0.595 χ^2/NDF : 2400299.4/39

In: 4071.938+/-0.606 χ^2/NDF : 3967031.7/41

Out: 3996.994+/-0.573 χ^2/NDF : 4416389.1/45

All: 4032.373+/-0.417 χ^2/NDF : 8391488.3/87

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2969.228+/-743.698 χ^2/NDF : 9.6/18

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

Right Out: 1882.807+/-688.824 χ^2/NDF : 21.0/20

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

Left: 2458.406+/-317.323 χ^2/NDF : 63.2/47

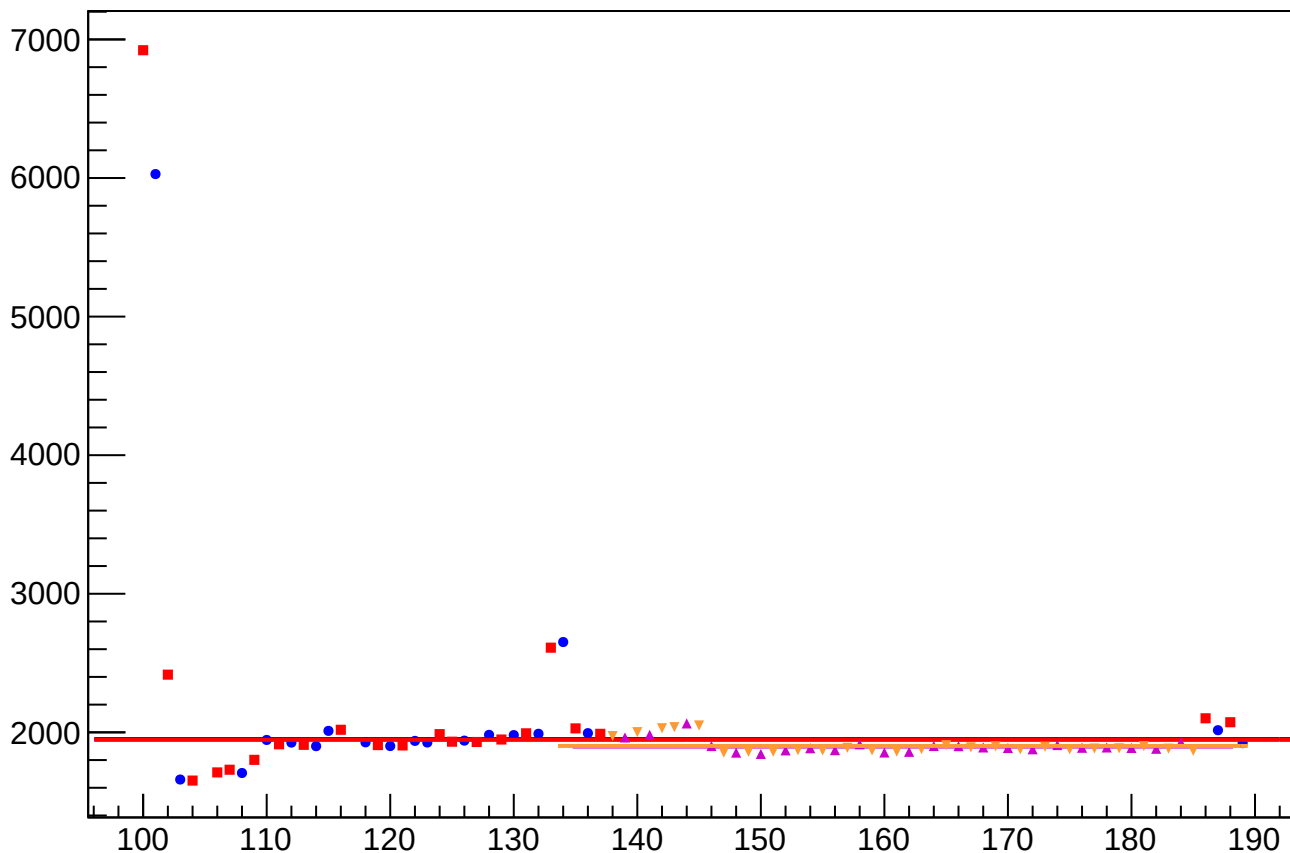
Right: 2384.462+/-505.359 χ^2/NDF : 31.7/39

In: 2959.525+/-387.844 χ^2/NDF : 38.1/41

Out: 1955.413+/-372.709 χ^2/NDF : 53.4/45

All: 2437.496+/-268.737 χ^2/NDF : 95.0/87

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left: 1899.726+/-0.224 χ^2/NDF : 51724.3/47

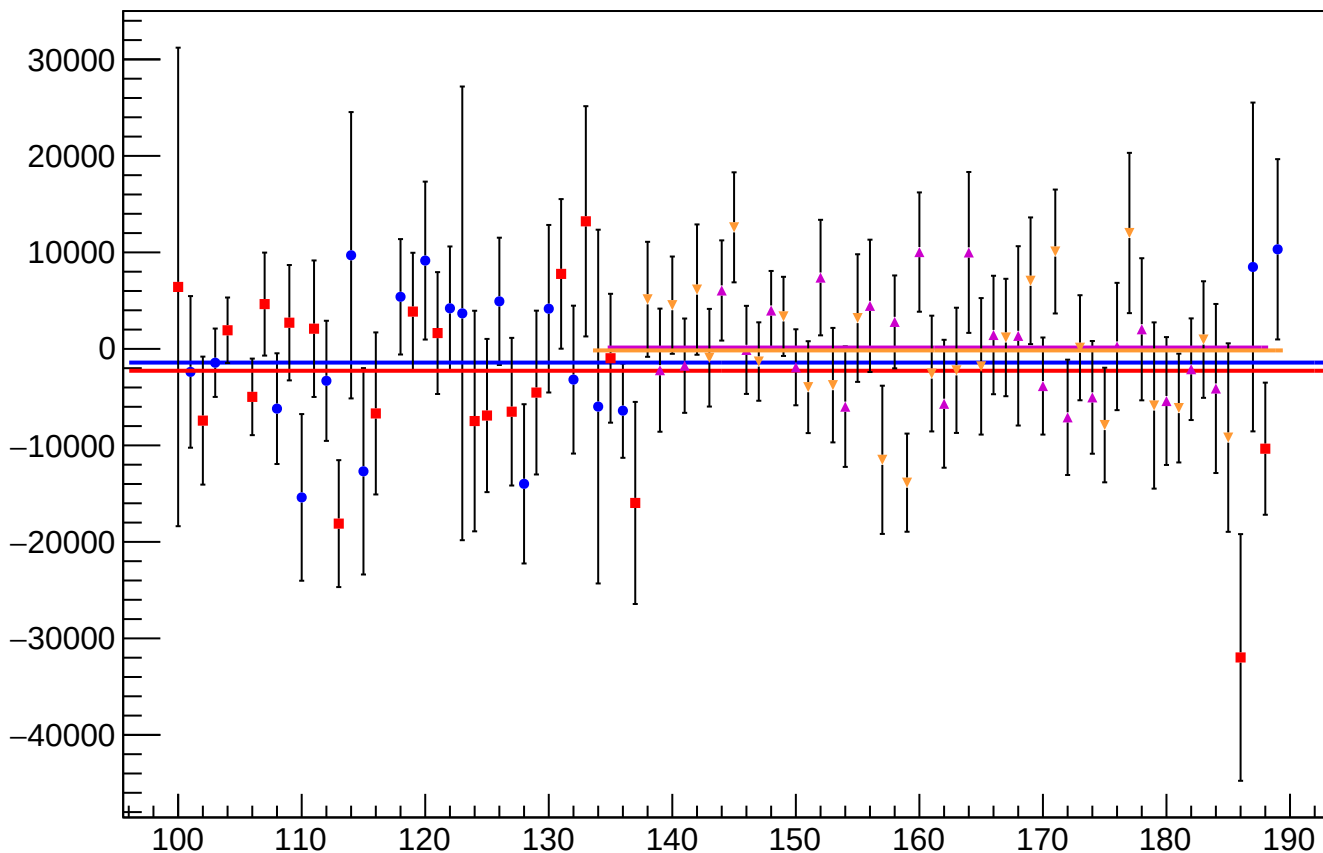
Right: 1948.376+/-0.357 χ^2/NDF : 848037.8/39

In: 1912.142+/-0.274 χ^2/NDF : 646755.5/41

Out: 1914.762+/-0.263 χ^2/NDF : 266273.7/45

All: 1913.505+/-0.190 χ^2/NDF : 913076.7/87

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left: -12.420+/-833.090 χ^2/NDF : 44.2/47

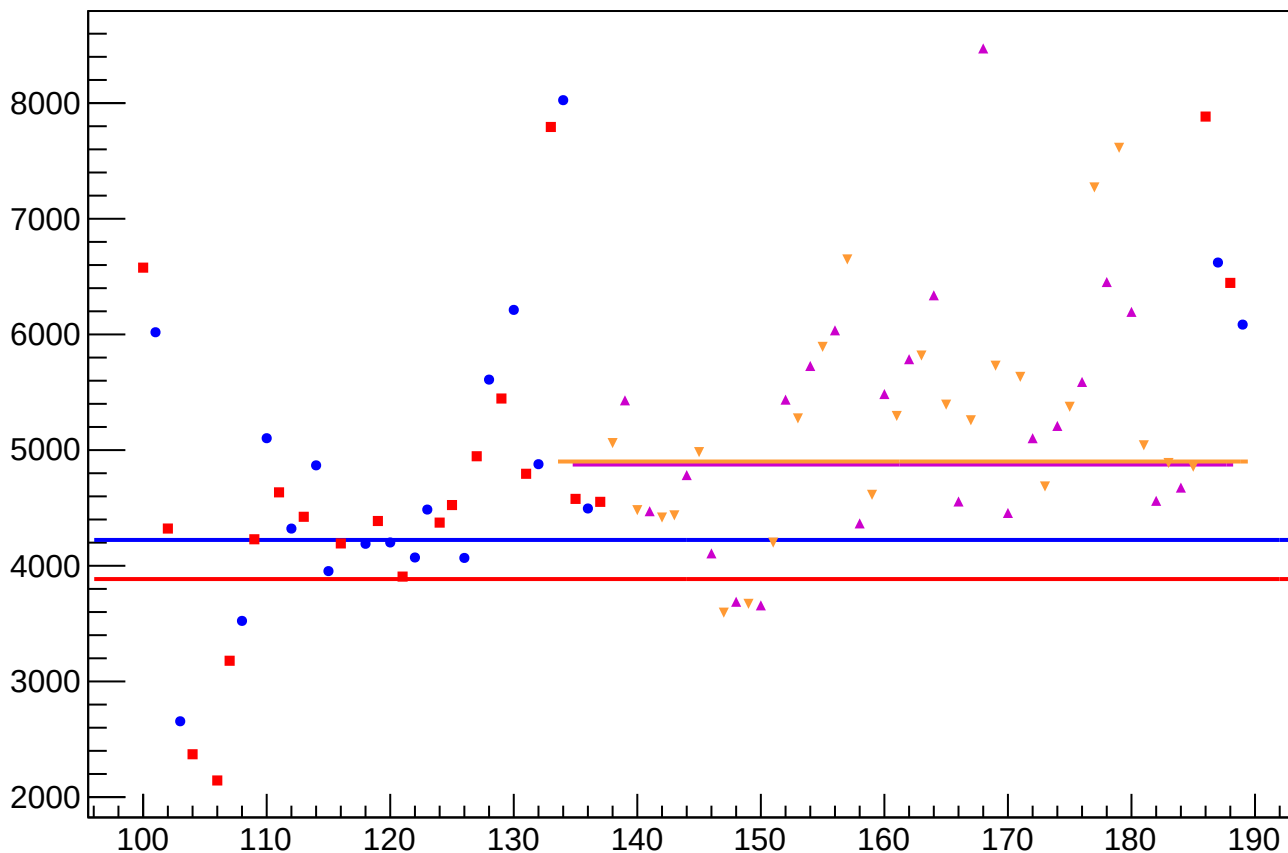
Right: -1895.798+/-1078.432 χ^2/NDF : 41.5/39

In: -402.159+/-961.925 χ^2/NDF : 30.9/41

Out: -994.587+/-905.378 χ^2/NDF : 56.6/45

All: -716.297+/-659.284 χ^2/NDF : 87.7/87

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left: 4888.513+/-0.589 χ^2/NDF : 2366610.1/47

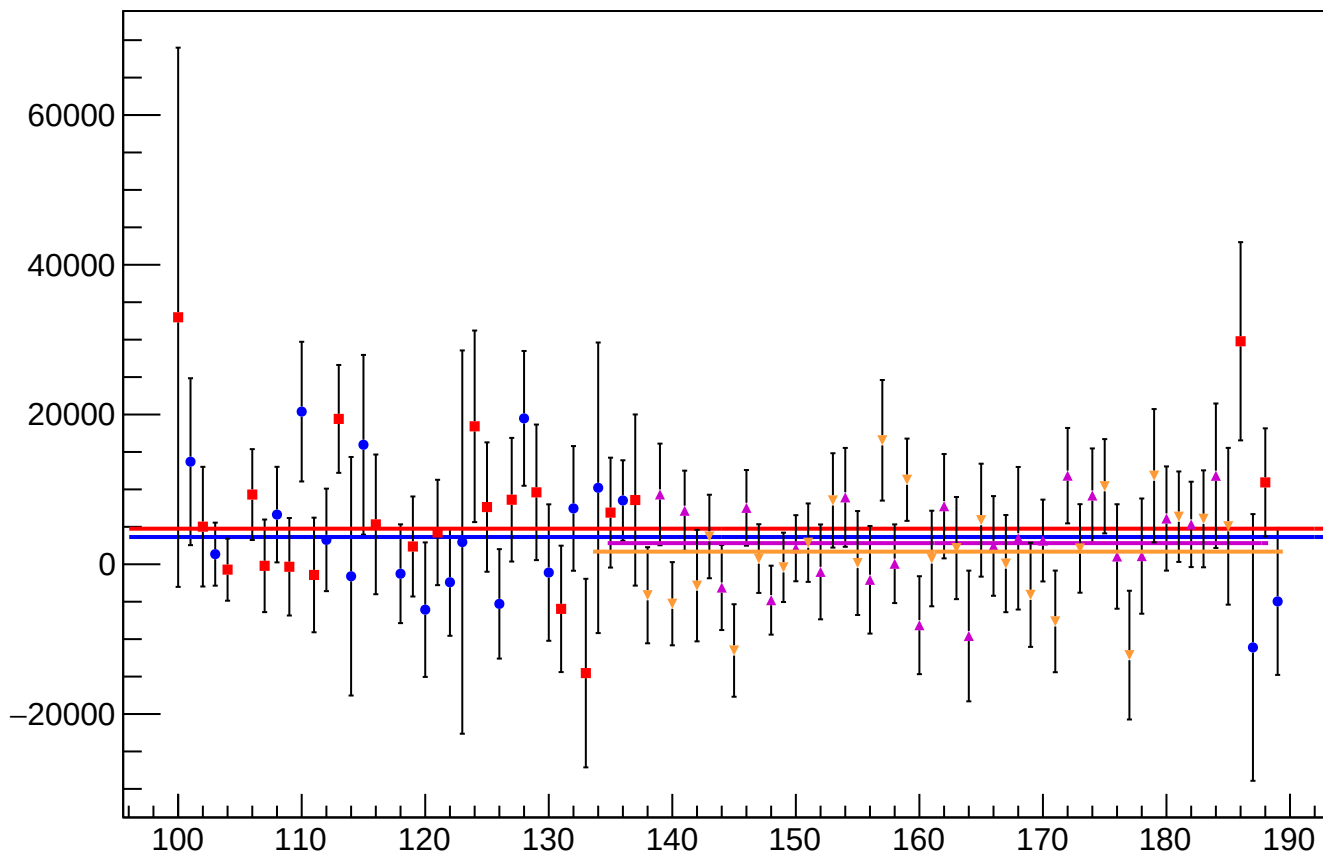
Right: 4032.878+/-0.763 χ^2/NDF : 2770053.5/39

In: 4648.571+/-0.680 χ^2/NDF : 2379495.6/41

Out: 4498.011+/-0.640 χ^2/NDF : 3519653.4/45

All: 4568.736+/-0.466 χ^2/NDF : 5925129.9/87

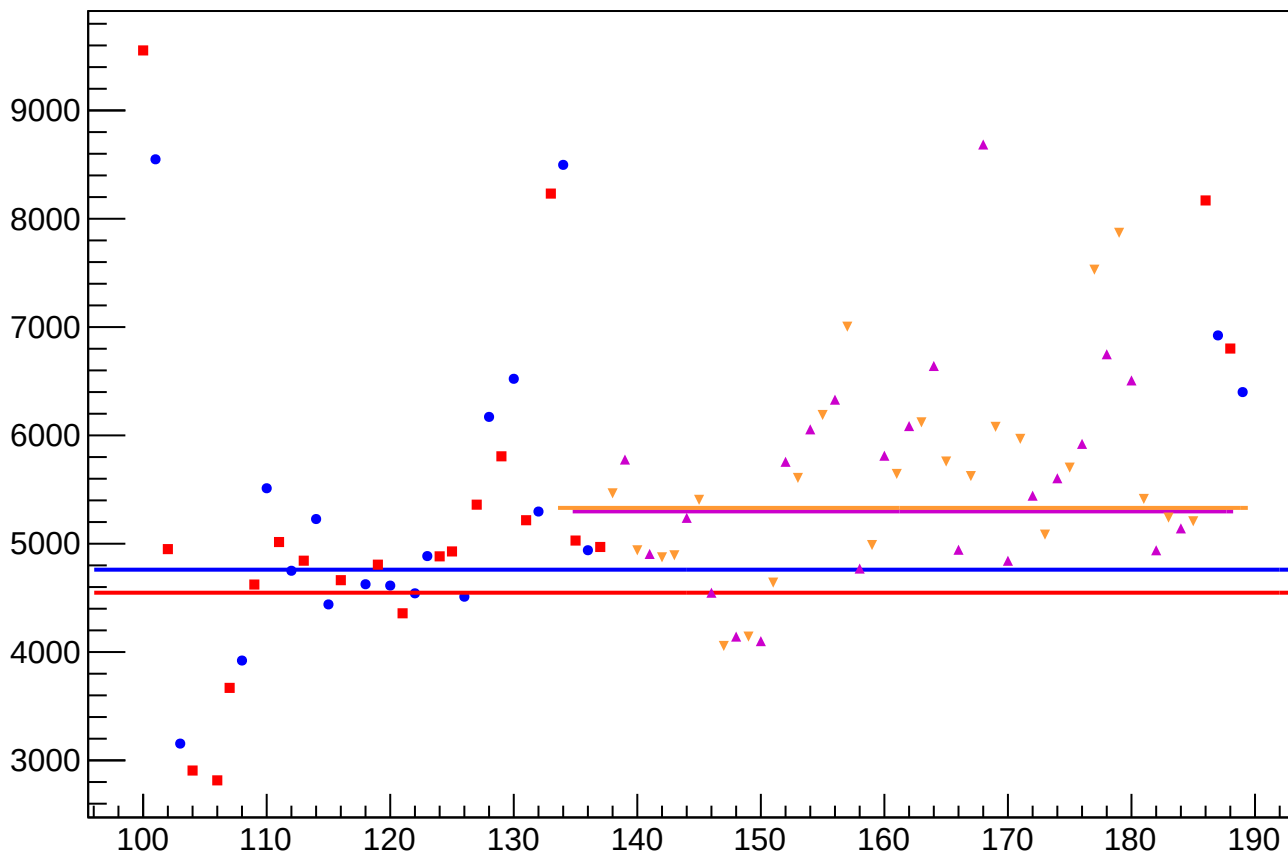
asym_atr_avg_mean vs Slug, Sign Corrected



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

Left: 2243.367+/-901.435 χ^2/NDF : 43.8/47
 Right: 4247.758+/-1233.503 χ^2/NDF : 35.1/39
 In: 3093.378+/-1054.089 χ^2/NDF : 33.8/41
 Out: 2802.488+/-1006.122 χ^2/NDF : 46.9/45
 All: 2941.164+/-727.803 χ^2/NDF : 80.7/87

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left: 5314.867+/-0.637 χ^2/NDF : 1824728.8/47

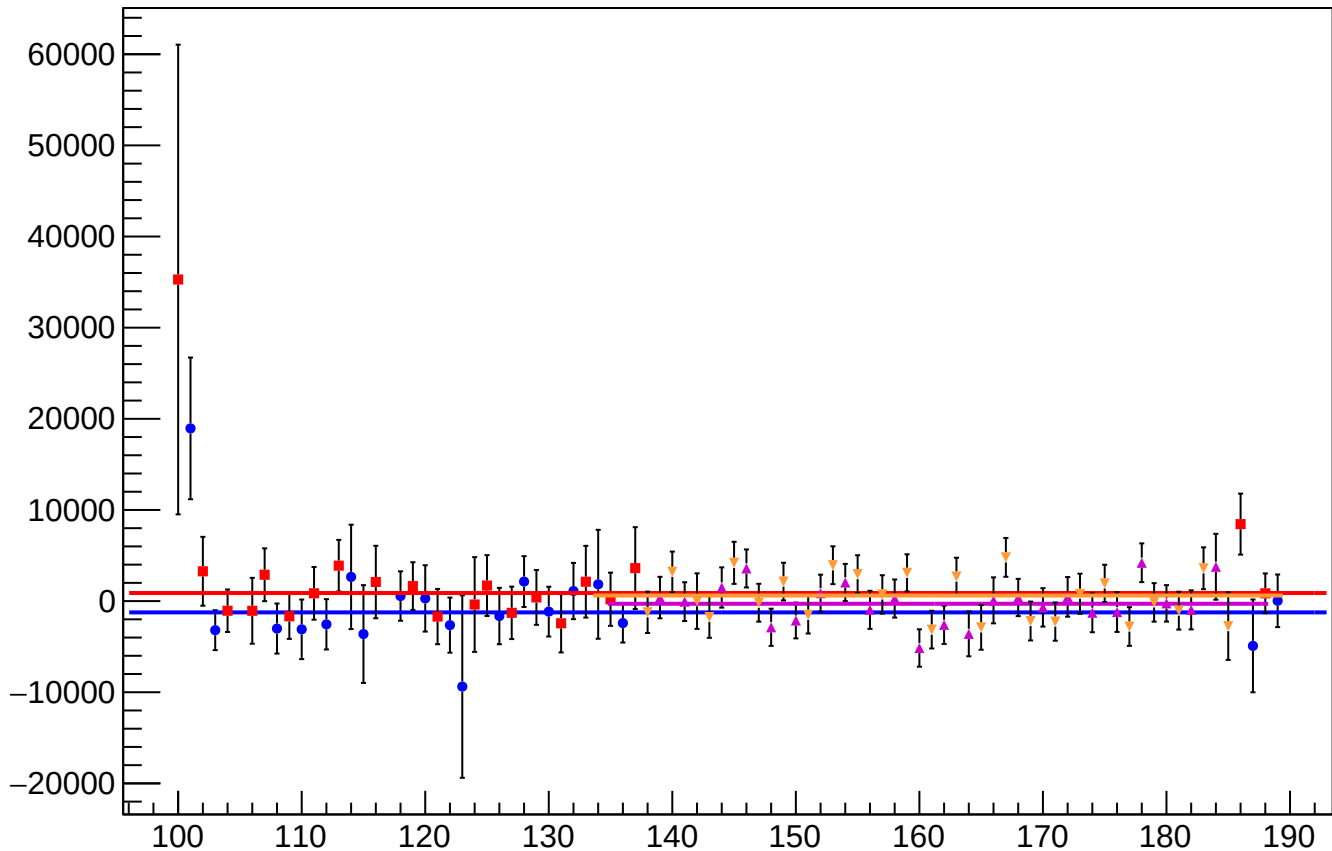
Right: 4643.427+/-0.870 χ^2/NDF : 2089338.0/39

In: 5120.430+/-0.745 χ^2/NDF : 1943671.9/41

Out: 5043.713+/-0.710 χ^2/NDF : 2352635.5/45

All: 5080.210+/-0.514 χ^2/NDF : 4301861.4/87

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left: 171.185+/-313.822 χ^2/NDF : 58.4/47

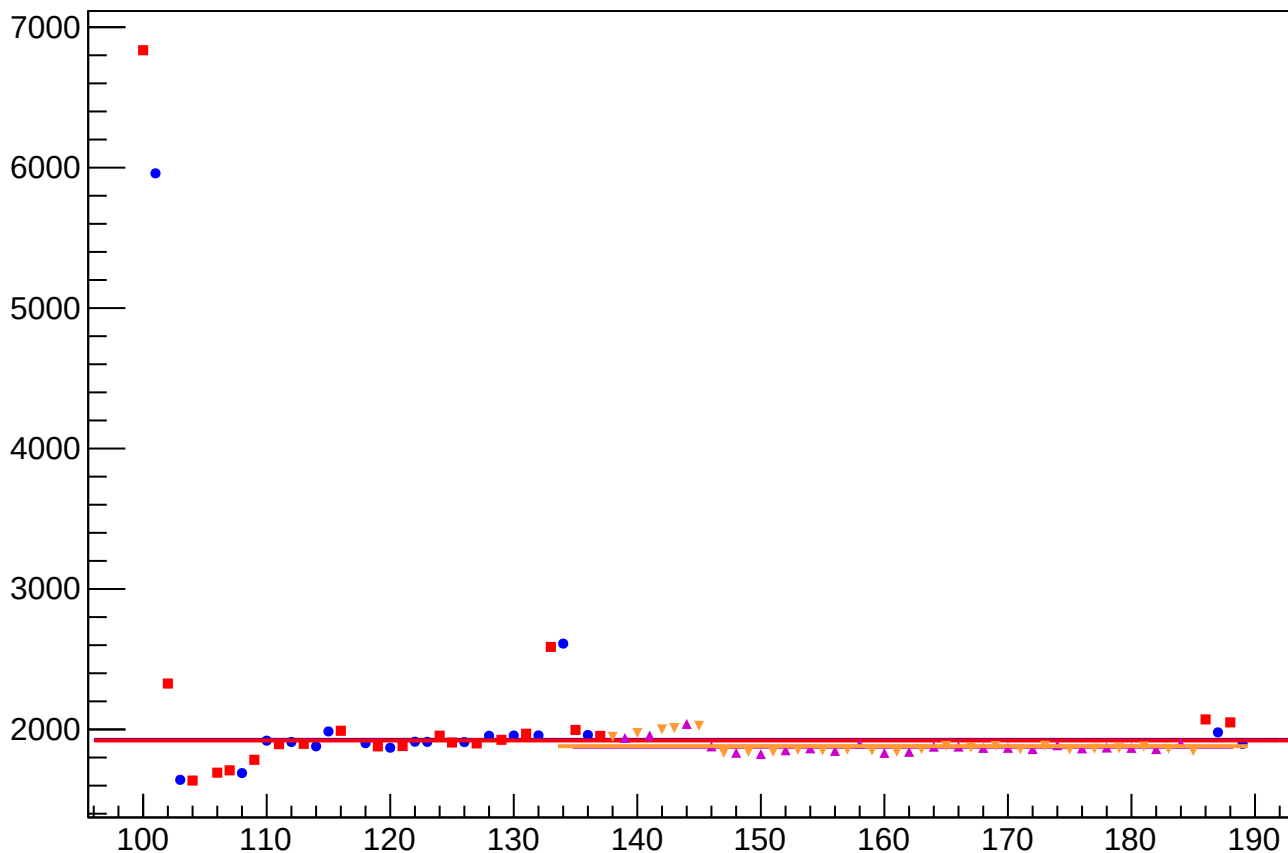
Right: -94.838+/-498.762 χ^2/NDF : 32.7/39

In: -551.166+/-383.368 χ^2/NDF : 38.8/41

Out: 692.987+/-368.362 χ^2/NDF : 47.0/45

All: 95.737+/-265.618 χ^2/NDF : 91.3/87

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left: 1878.799+/-0.222 χ^2/NDF : 49241.5/47

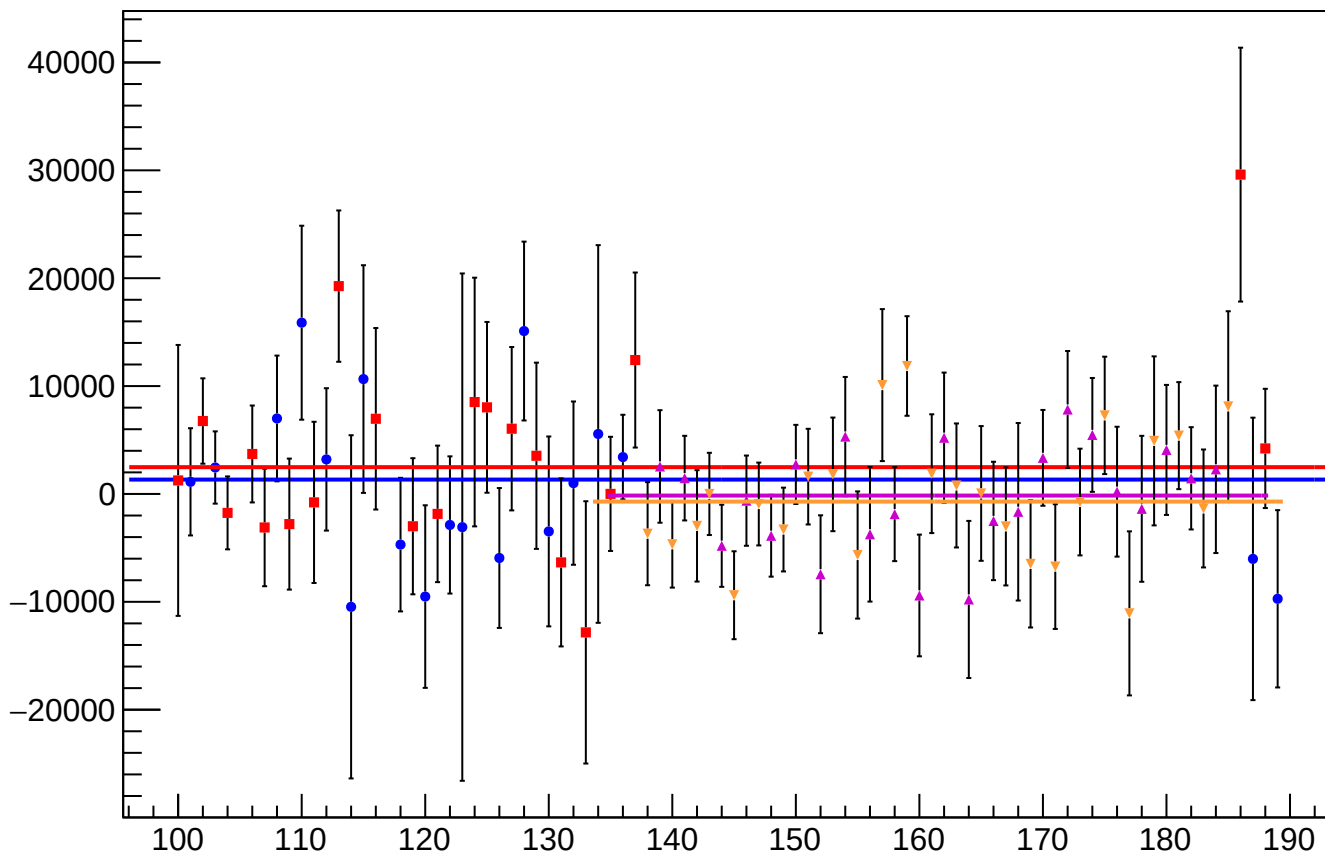
Right: 1923.623+/-0.352 χ^2/NDF : 840027.1/39

In: 1890.106+/-0.271 χ^2/NDF : 643350.4/41

Out: 1892.846+/-0.260 χ^2/NDF : 257454.8/45

All: 1891.531+/-0.188 χ^2/NDF : 900858.4/87

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1332.130+/-1522.207 χ^2/NDF : 14.9/18

Left Out: -707.785+/-1017.719 χ^2/NDF : 27.1/24

Right Out: 2483.277+/-1362.127 χ^2/NDF : 23.1/20

Left In: -150.495+/-1053.655 χ^2/NDF : 16.9/22

Left: -438.806+/-732.011 χ^2/NDF : 44.2/47

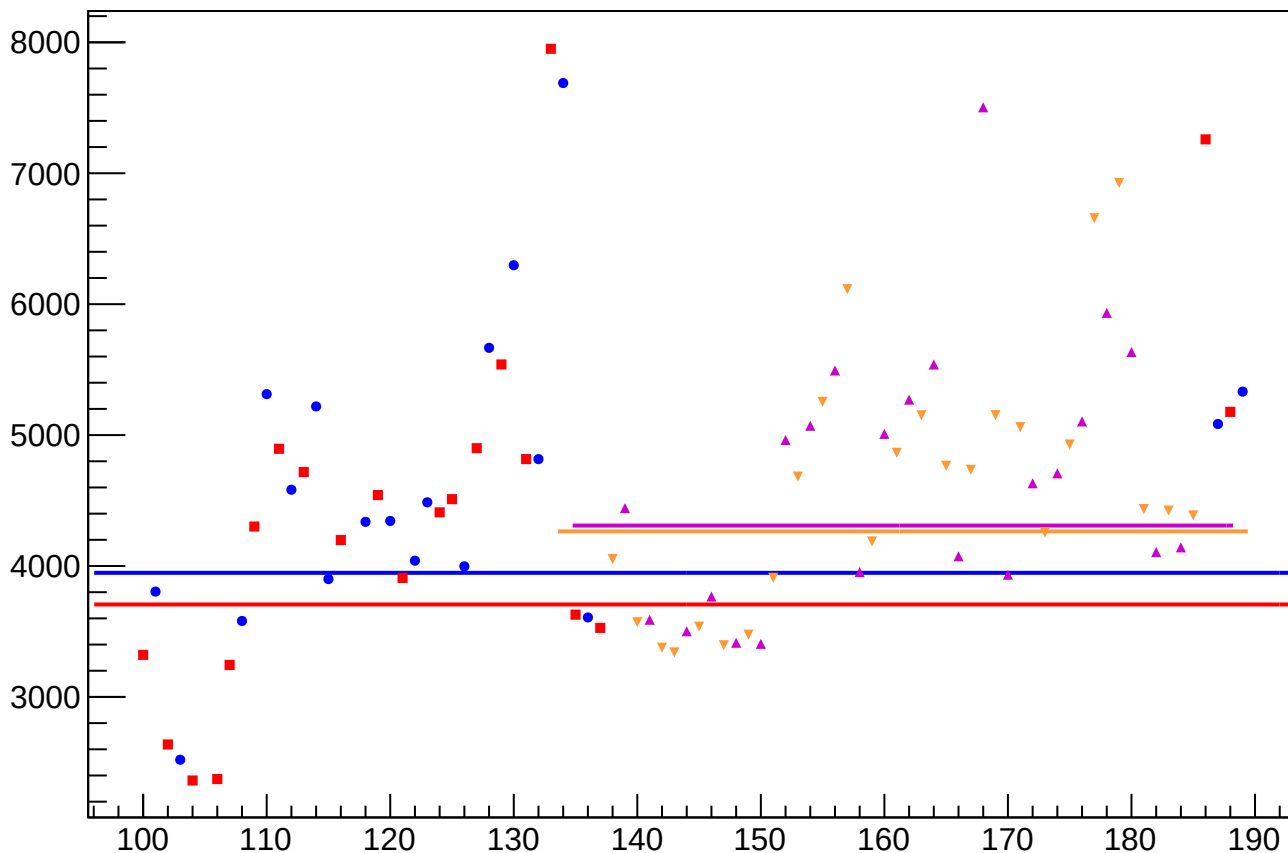
Right: 1971.396+/-1015.063 χ^2/NDF : 38.3/39

In: 329.764+/-866.355 χ^2/NDF : 32.5/41

Out: 435.413+/-815.287 χ^2/NDF : 53.7/45

All: 385.794+/-593.728 χ^2/NDF : 86.2/87

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left: 4285.960+/-0.518 χ^2/NDF : 2661888.1/47

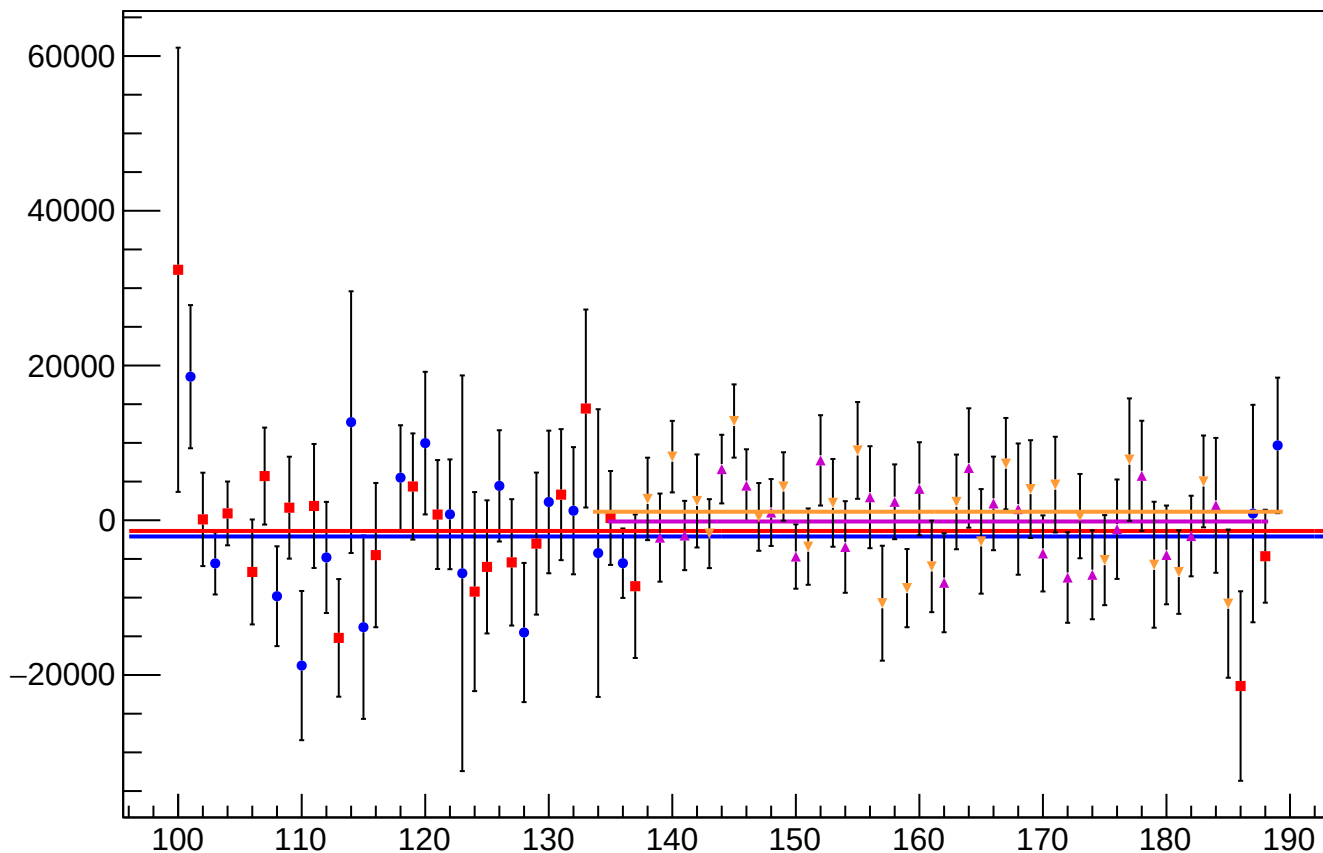
Right: 3813.621+/-0.718 χ^2/NDF : 2513209.2/39

In: 4192.059+/-0.613 χ^2/NDF : 2278591.1/41

Out: 4064.406+/-0.576 χ^2/NDF : 3158377.8/45

All: 4124.359+/-0.420 χ^2/NDF : 5459996.8/87

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2096.938 ± 1761.729 $\chi^2/\text{NDF}: 20.8/18$

Left Out: 1102.204 ± 1126.663 $\chi^2/\text{NDF}: 28.6/24$

Right Out: -1382.448 ± 1615.412 $\chi^2/\text{NDF}: 14.6/20$

Left In: -158.683 ± 1161.507 $\chi^2/\text{NDF}: 15.5/22$

Left: 490.957 ± 808.709 $\chi^2/\text{NDF}: 44.7/47$

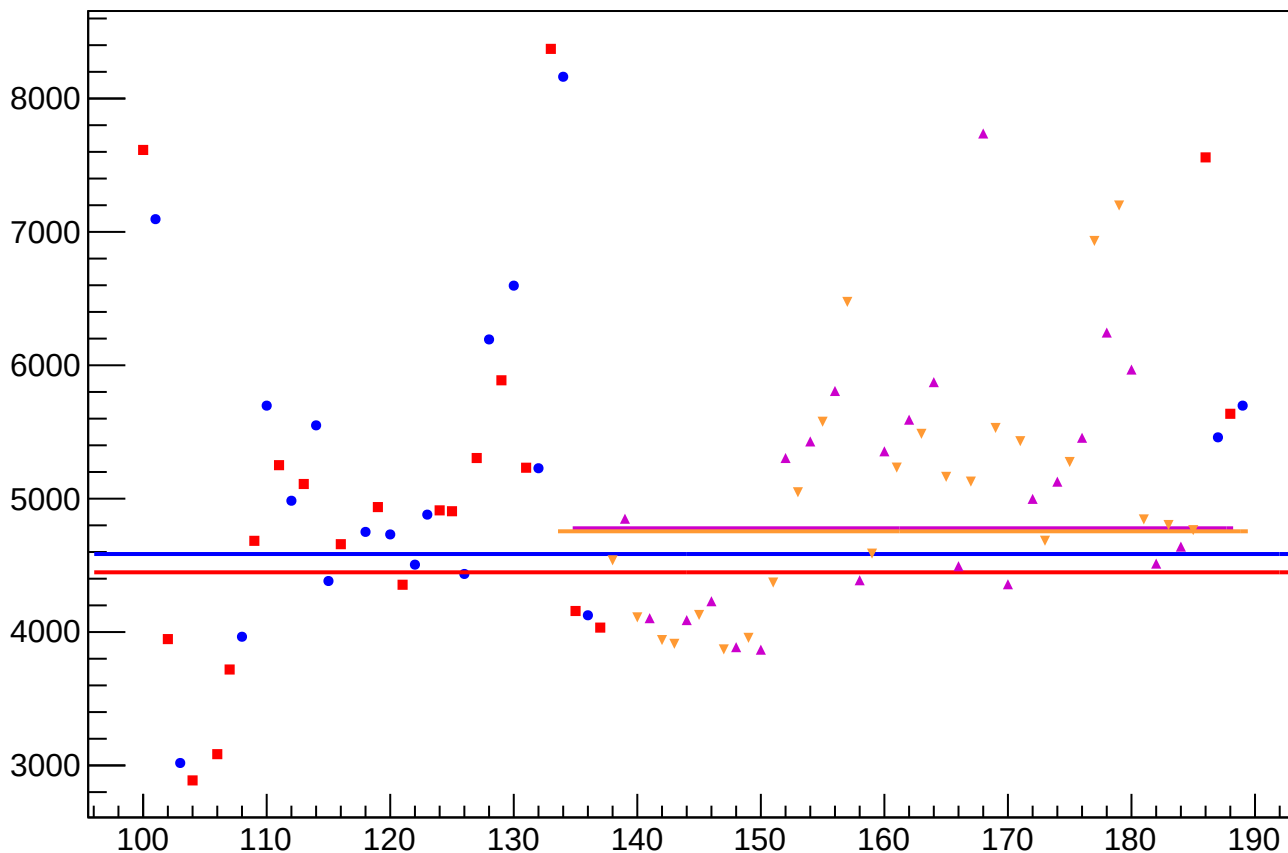
Right: -1708.796 ± 1190.641 $\chi^2/\text{NDF}: 35.5/39$

In: -745.933 ± 969.717 $\chi^2/\text{NDF}: 37.2/41$

Out: 289.107 ± 924.106 $\chi^2/\text{NDF}: 44.8/45$

All: -203.499 ± 668.985 $\chi^2/\text{NDF}: 82.6/87$

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4585.019 $\pm$ 1.246 χ^2/NDF : 818980.5/18

Left Out: 4755.383 $\pm$ 0.797 χ^2/NDF : 953328.0/24

Right Out: 4447.899 $\pm$ 1.136 χ^2/NDF : 996966.8/20

Left In: 4777.831 $\pm$ 0.821 χ^2/NDF : 950291.2/22

Left: 4766.265 $\pm$ 0.572 χ^2/NDF : 1904004.1/47

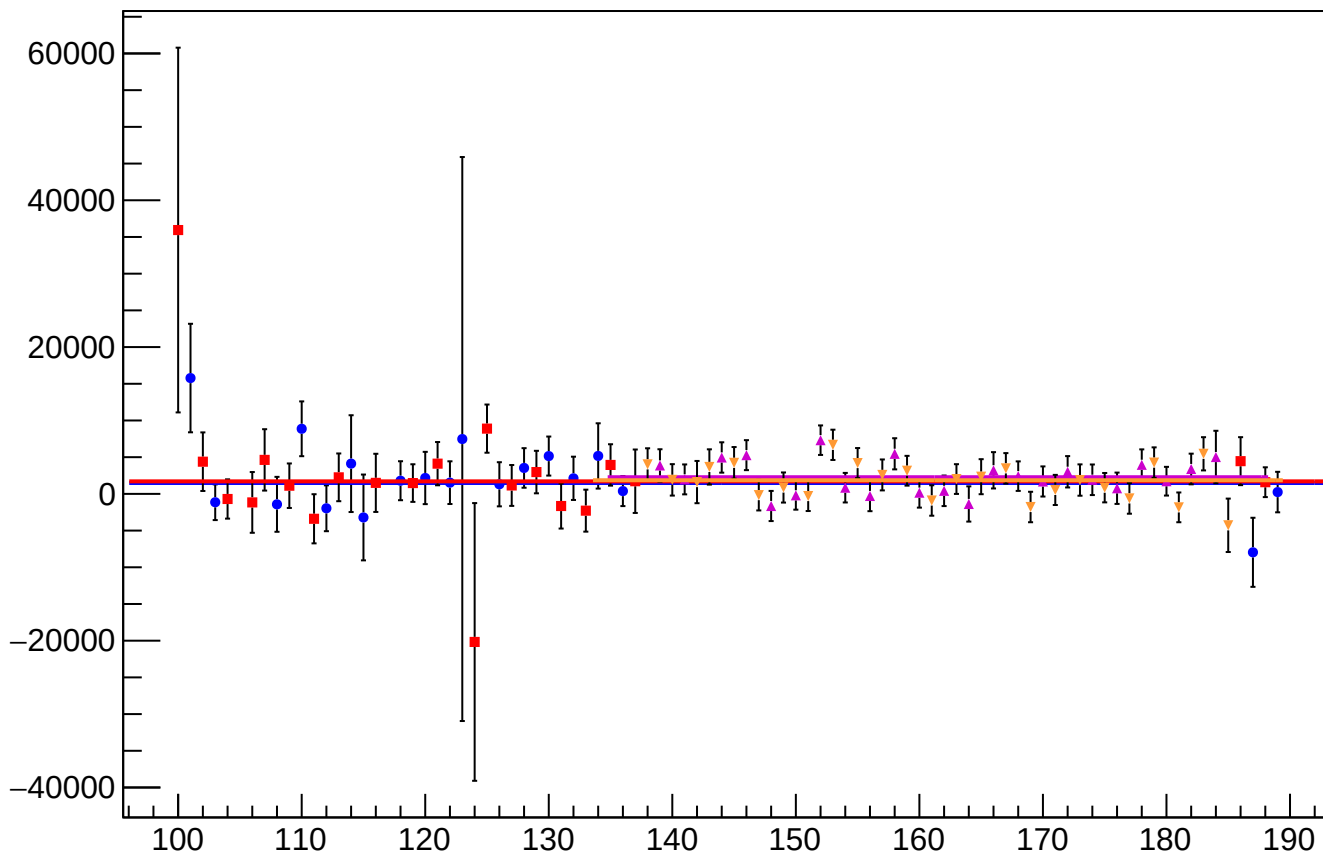
Right: 4510.184 $\pm$ 0.840 χ^2/NDF : 1822559.7/39

In: 4719.413 $\pm$ 0.686 χ^2/NDF : 1785969.8/41

Out: 4654.070 $\pm$ 0.652 χ^2/NDF : 1999377.5/45

All: 4685.114 $\pm$ 0.473 χ^2/NDF : 3790113.9/87

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1486.729 $\pm$ 746.187 χ^2 /NDF: 19.3/18

Left Out: 1856.570 $\pm$ 430.977 χ^2 /NDF:30.0/24

Right Out: 1706.516 $\pm$ 701.600 χ^2 /NDF: 18.0/20

Left In: 2268.464 $\pm$ 441.710 χ^2 /NDF:26.9/22

Left: 2057.452 $\pm$ 308.471 χ^2 /NDF: 57.3/47

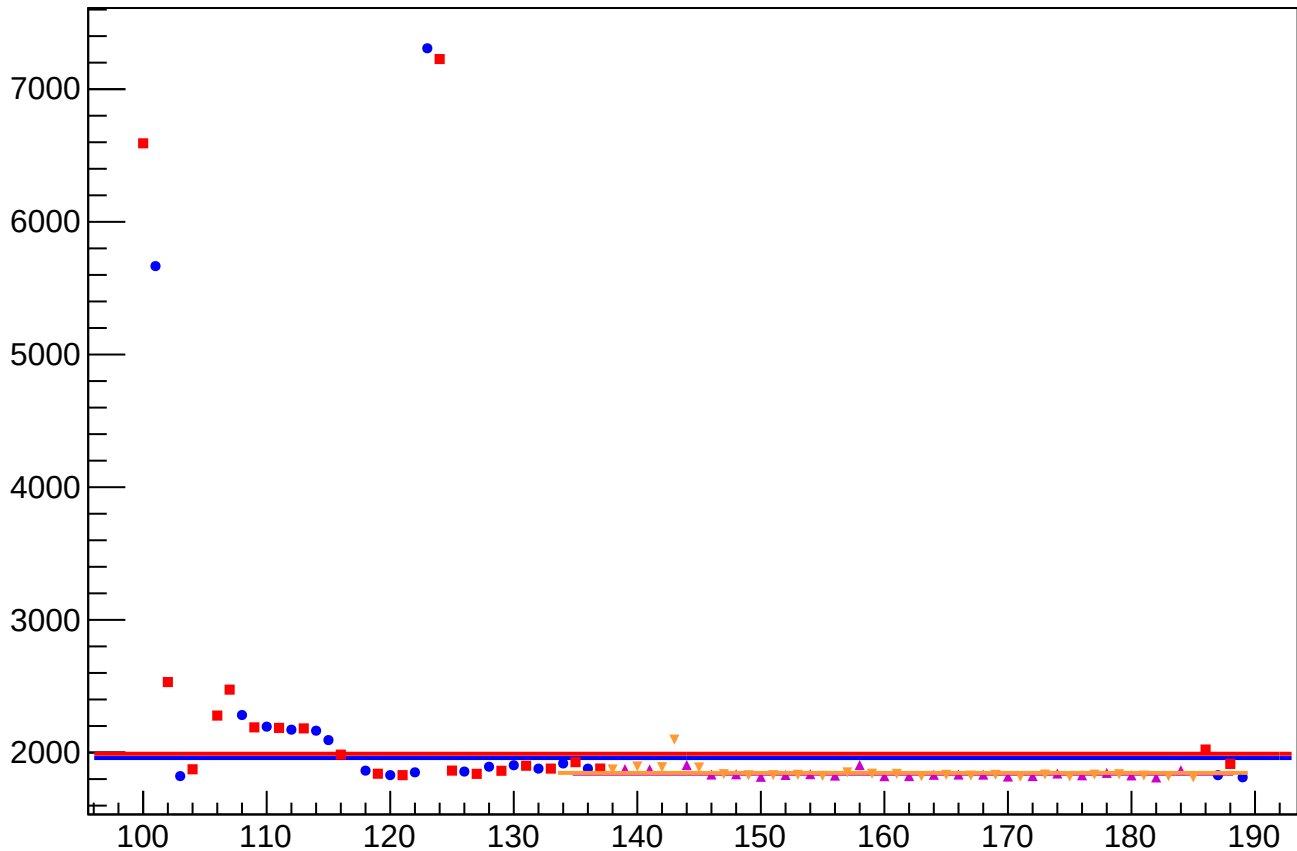
Right: 1603.385 $\pm$ 511.142 χ^2 /NDF: 37.3/39

In: 2065.615 $\pm$ 380.106 χ^2 /NDF:46.9/41

Out: 1815.461 $\pm$ 367.226 χ^2 /NDF:48.1/45

All: 1936.228 $\pm$ 264.104 χ^2 /NDF: 95.2/87

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1958.448 $\pm$ 0.528 χ^2 /NDF: 607670.7/18

Left Out: 1846.602 $\pm$ 0.305 χ^2 /NDF: 27302.8/24

Right Out: 1990.898 $\pm$ 0.496 χ^2 /NDF: 356928.4/20

Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

Left: 1843.646 $\pm$ 0.218 χ^2 /NDF: 34235.8/47

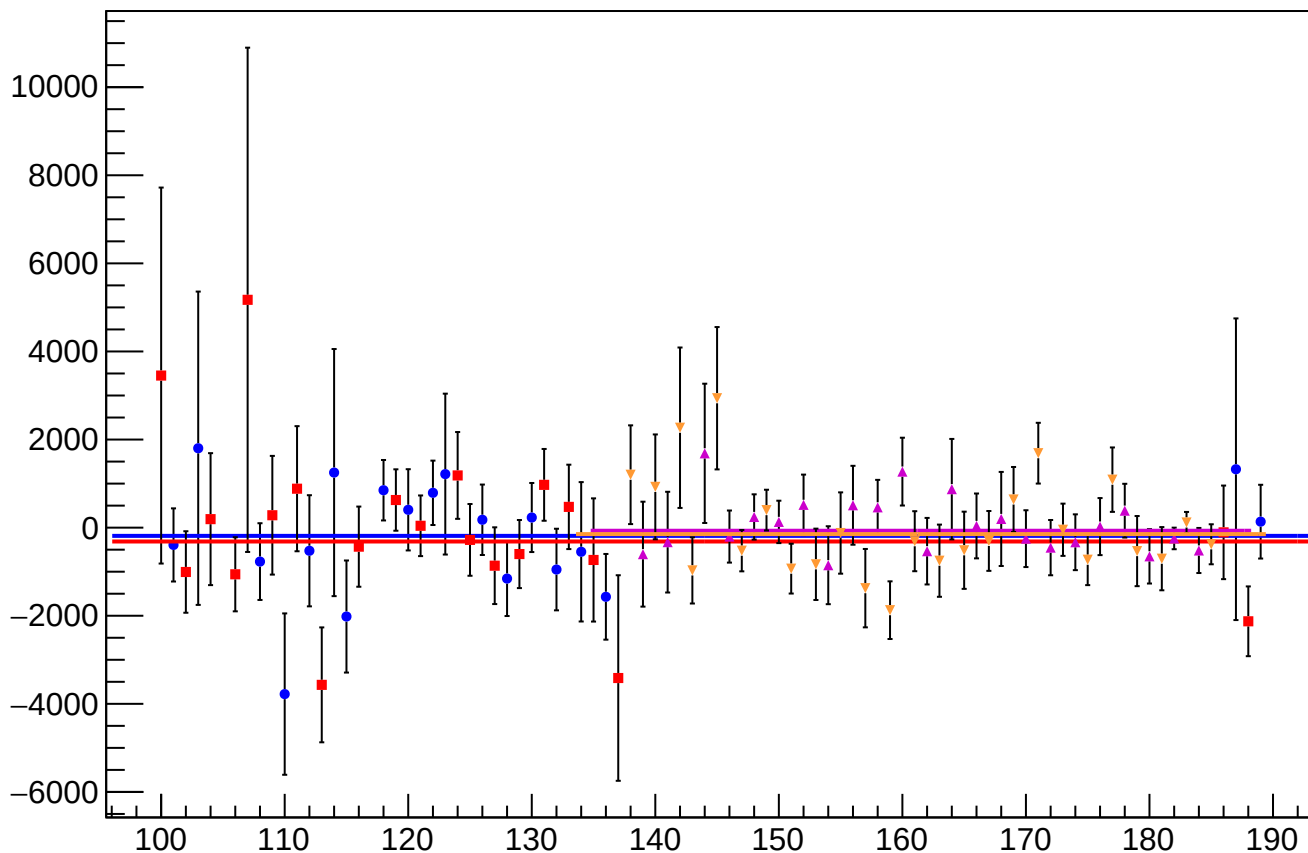
Right: 1975.671 $\pm$ 0.361 χ^2 /NDF: 966606.6/39

In: 1871.137 $\pm$ 0.269 χ^2 /NDF: 651389.1/41

Out: 1886.133 $\pm$ 0.260 χ^2 /NDF: 445652.4/45

All: 1878.893 $\pm$ 0.187 χ^2 /NDF: 1098651.8/87

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 12.3/22$

Left: -110.024 ± 87.766 $\chi^2/\text{NDF}: 50.1/47$

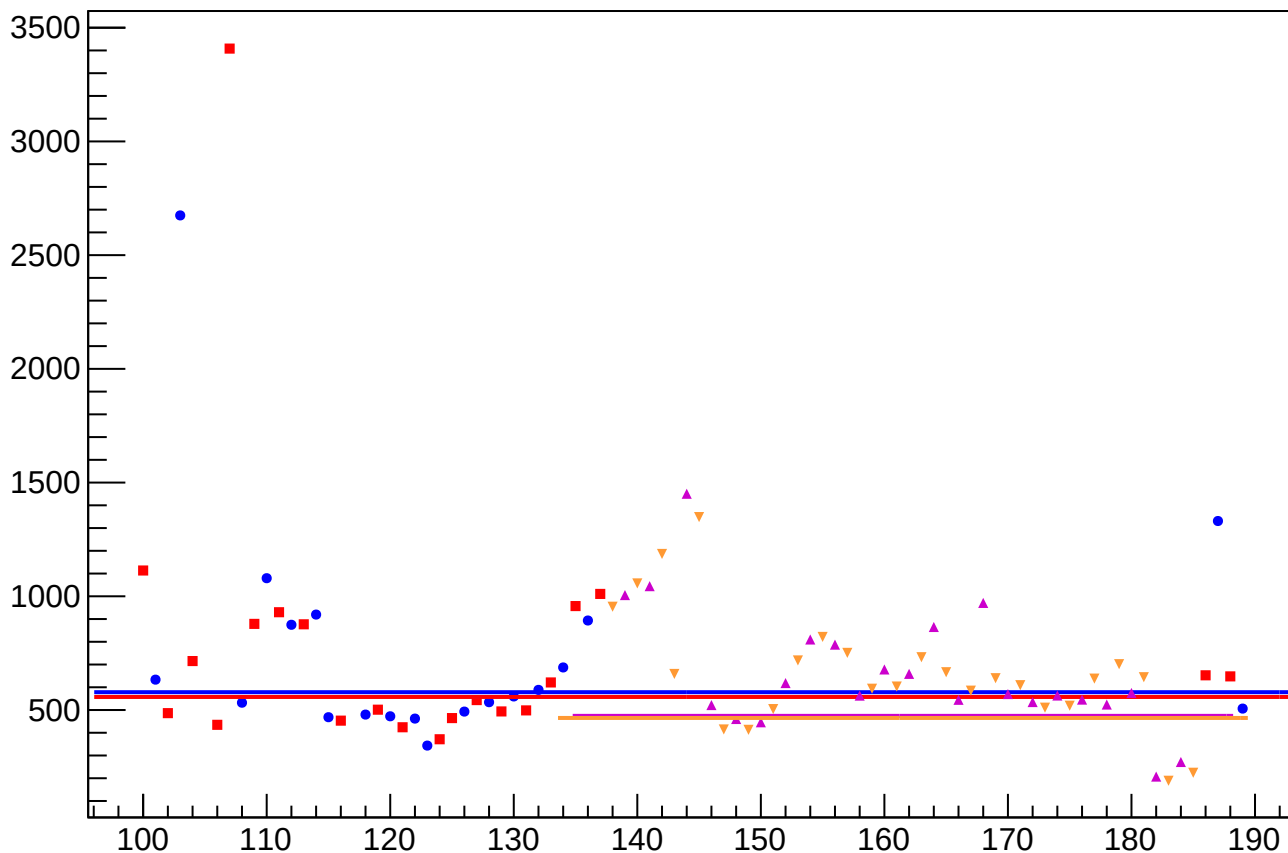
Right: -254.817 ± 157.872 $\chi^2/\text{NDF}: 42.7/39$

In: -97.061 ± 110.895 $\chi^2/\text{NDF}: 29.5/41$

Out: -187.467 ± 106.222 $\chi^2/\text{NDF}: 63.7/45$

All: -144.209 ± 76.709 $\chi^2/\text{NDF}: 93.5/87$

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left: 469.509+/-0.062 χ^2/NDF : 13264703.6/47

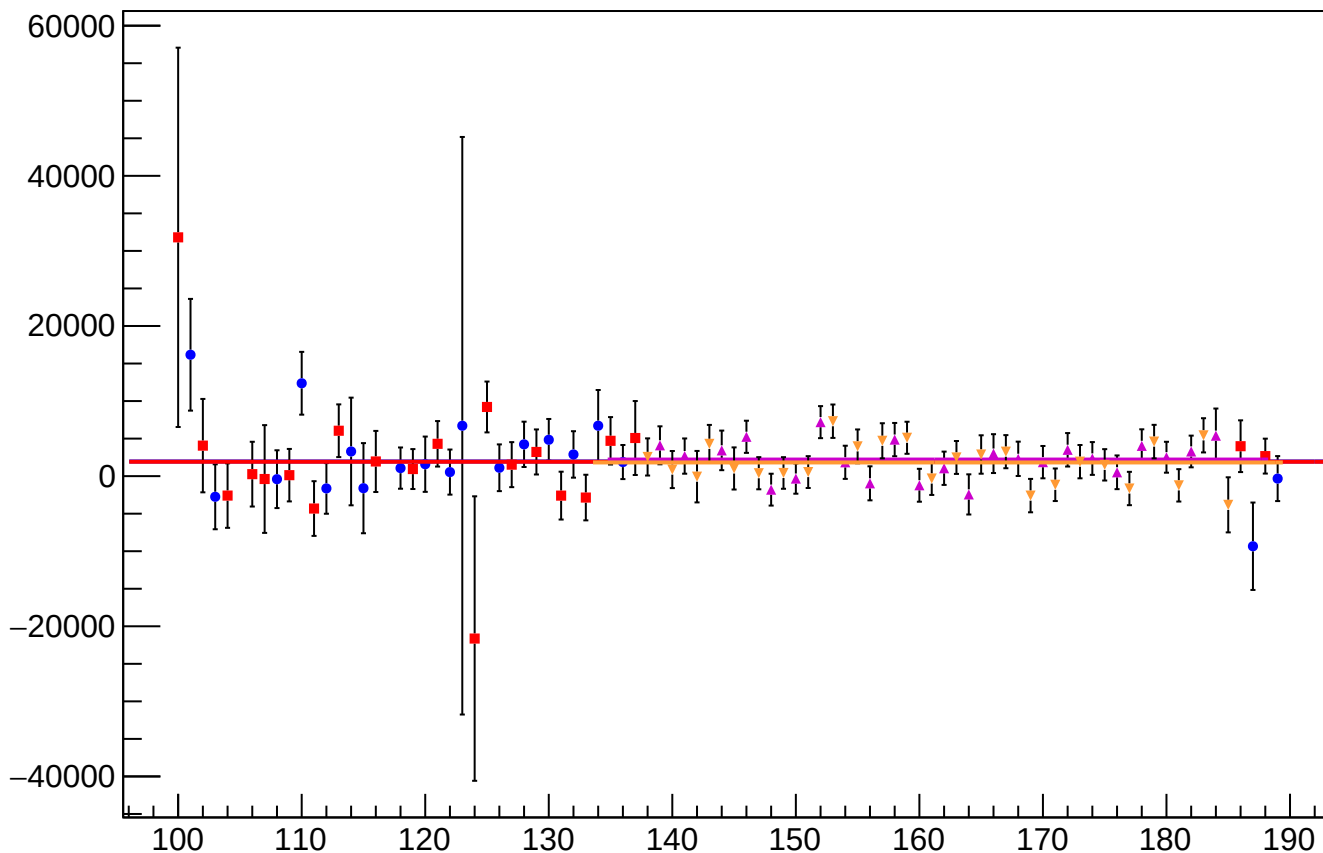
Right: 567.134+/-0.112 χ^2/NDF : 3037482.8/39

In: 498.194+/-0.078 χ^2/NDF : 8010406.3/41

Out: 487.386+/-0.075 χ^2/NDF : 8866092.1/45

All: 492.558+/-0.054 χ^2/NDF : 16886405.3/87

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left: 2011.435+/-331.116 χ^2/NDF : 57.8/47

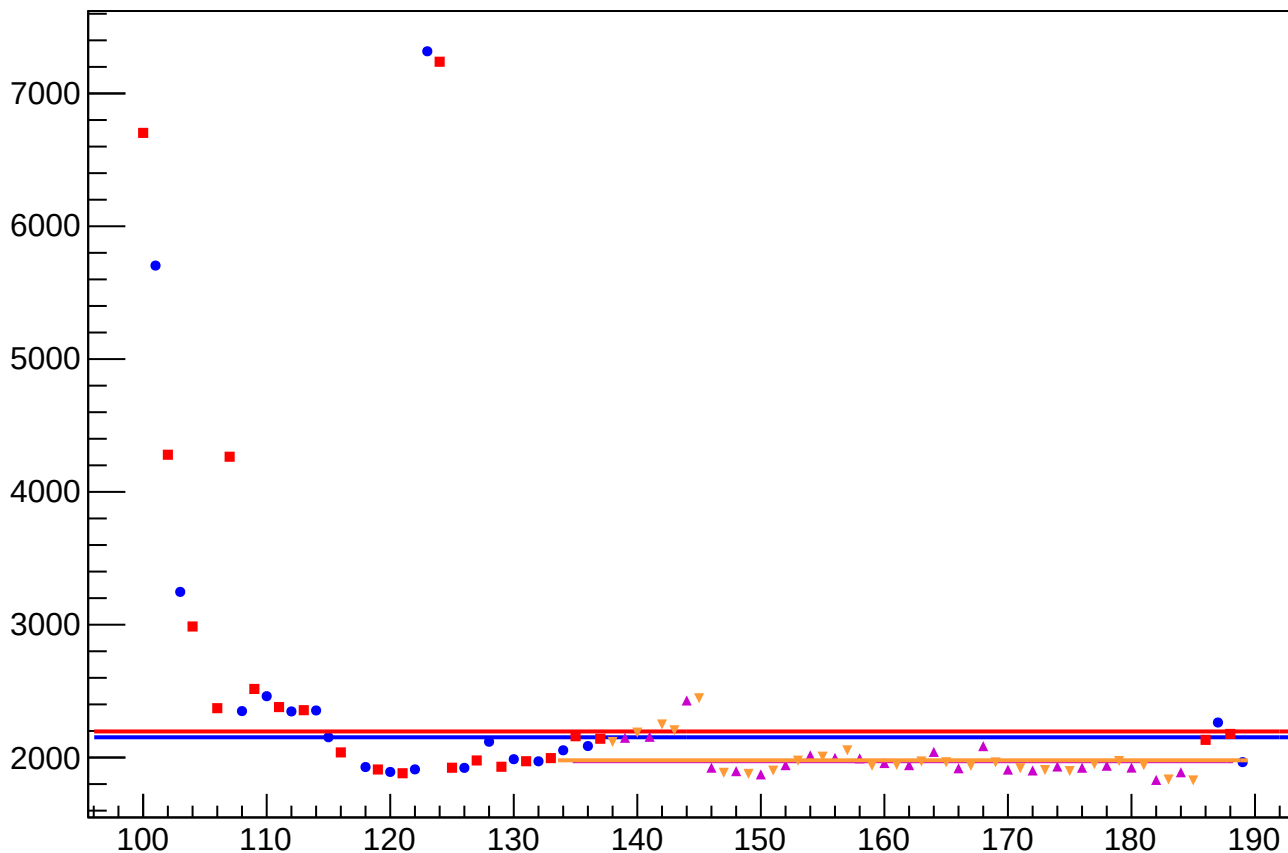
Right: 1935.436+/-567.137 χ^2/NDF : 41.2/39

In: 2144.907+/-410.814 χ^2/NDF :45.9/41

Out: 1848.517+/-398.262 χ^2/NDF :52.8/45

All: 1992.115+/-285.948 χ^2/NDF : 99.0/87

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left: 1975.665+/-0.234 χ^2/NDF : 255965.0/47

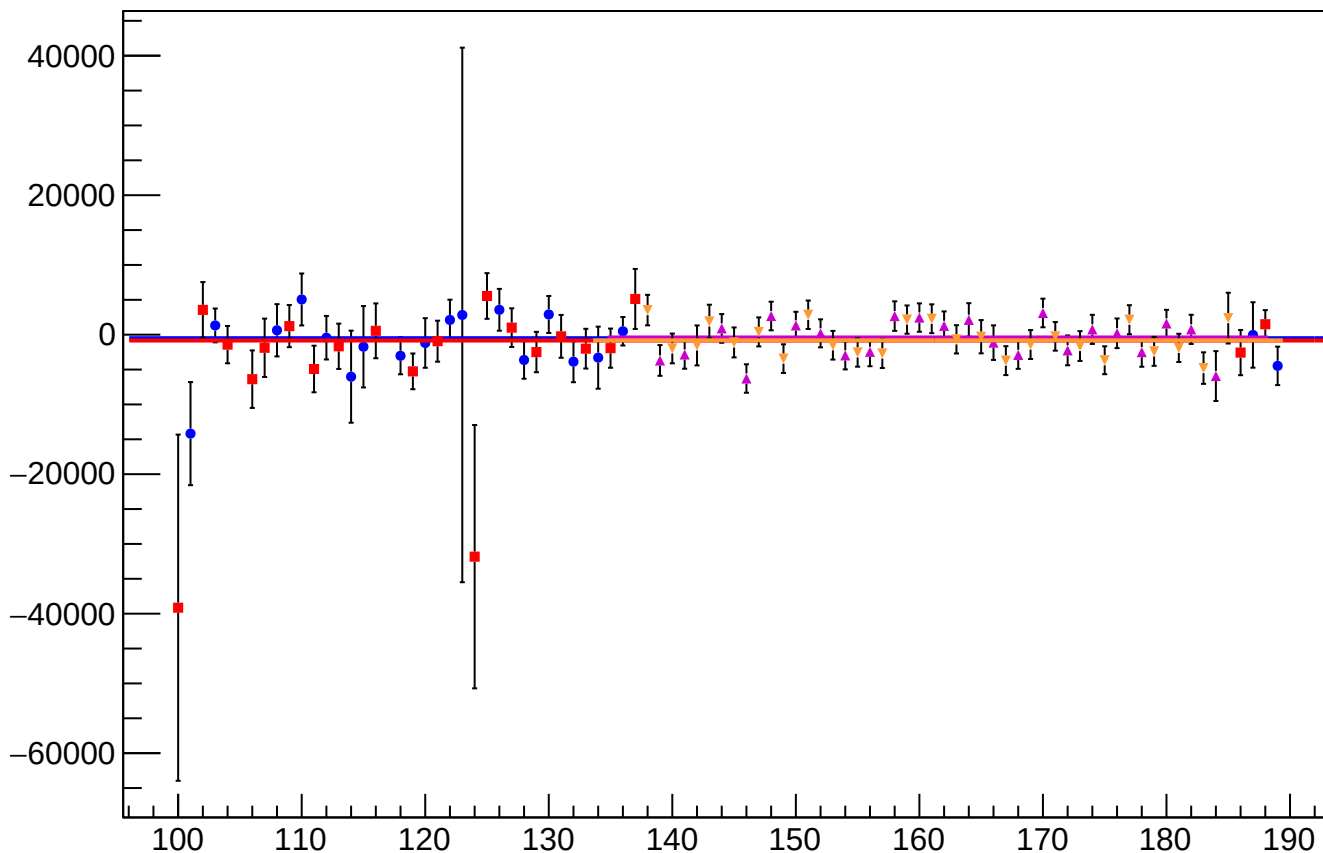
Right: 2175.427+/-0.401 χ^2/NDF : 1519772.5/39

In: 2017.043+/-0.290 χ^2/NDF :905239.2/41

Out: 2035.285+/-0.282 χ^2/NDF :1053518.9/45

All: 2026.447+/-0.202 χ^2/NDF : 1960791.2/87

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left: -608.759+/-308.066 χ^2/NDF : 62.8/47

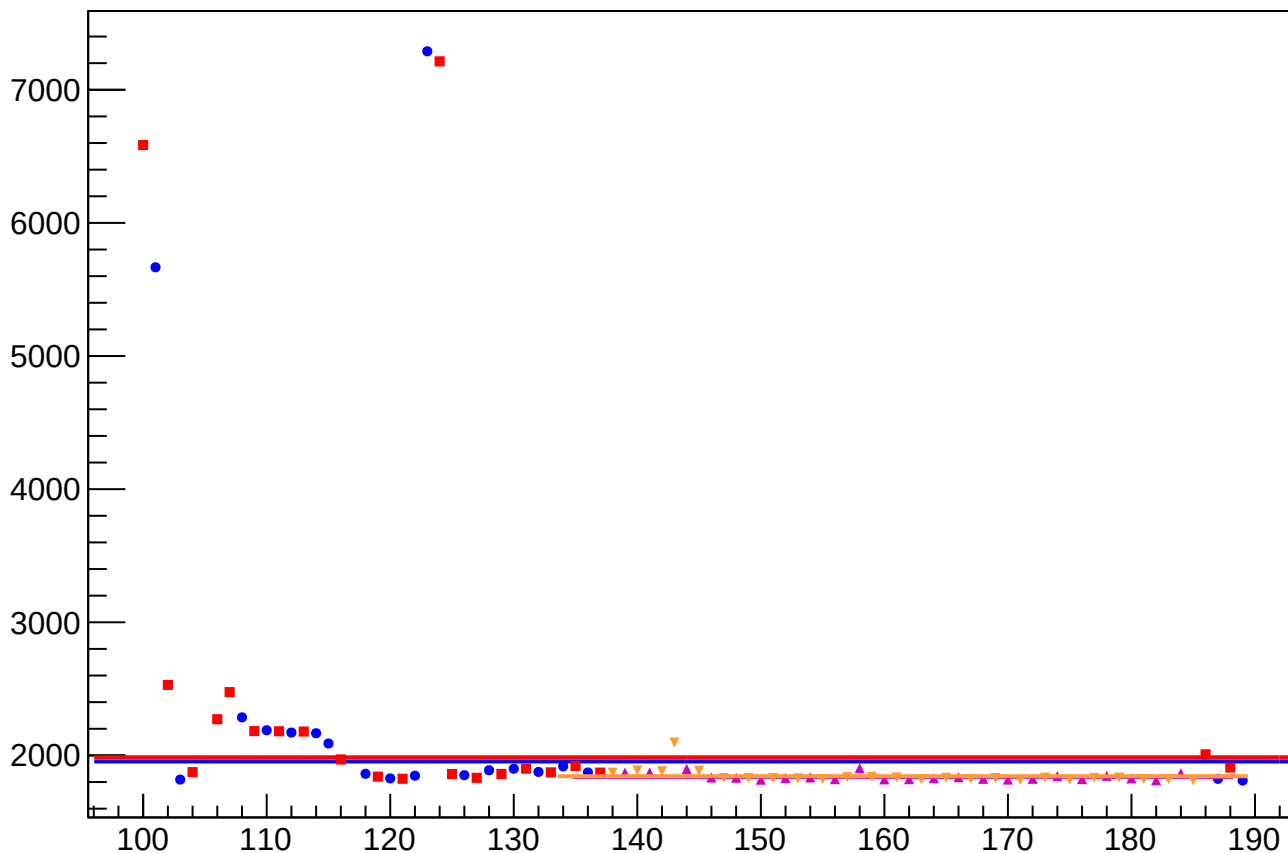
Right: -681.996+/-510.040 χ^2/NDF : 39.6/39

In: -425.990+/-379.631 χ^2/NDF : 52.1/41

Out: -816.990+/-366.563 χ^2/NDF : 49.7/45

All: -628.335+/-263.698 χ^2/NDF : 102.4/87

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

Left: 1841.243 $\pm$ 0.218 χ^2 /NDF: 33341.4/47

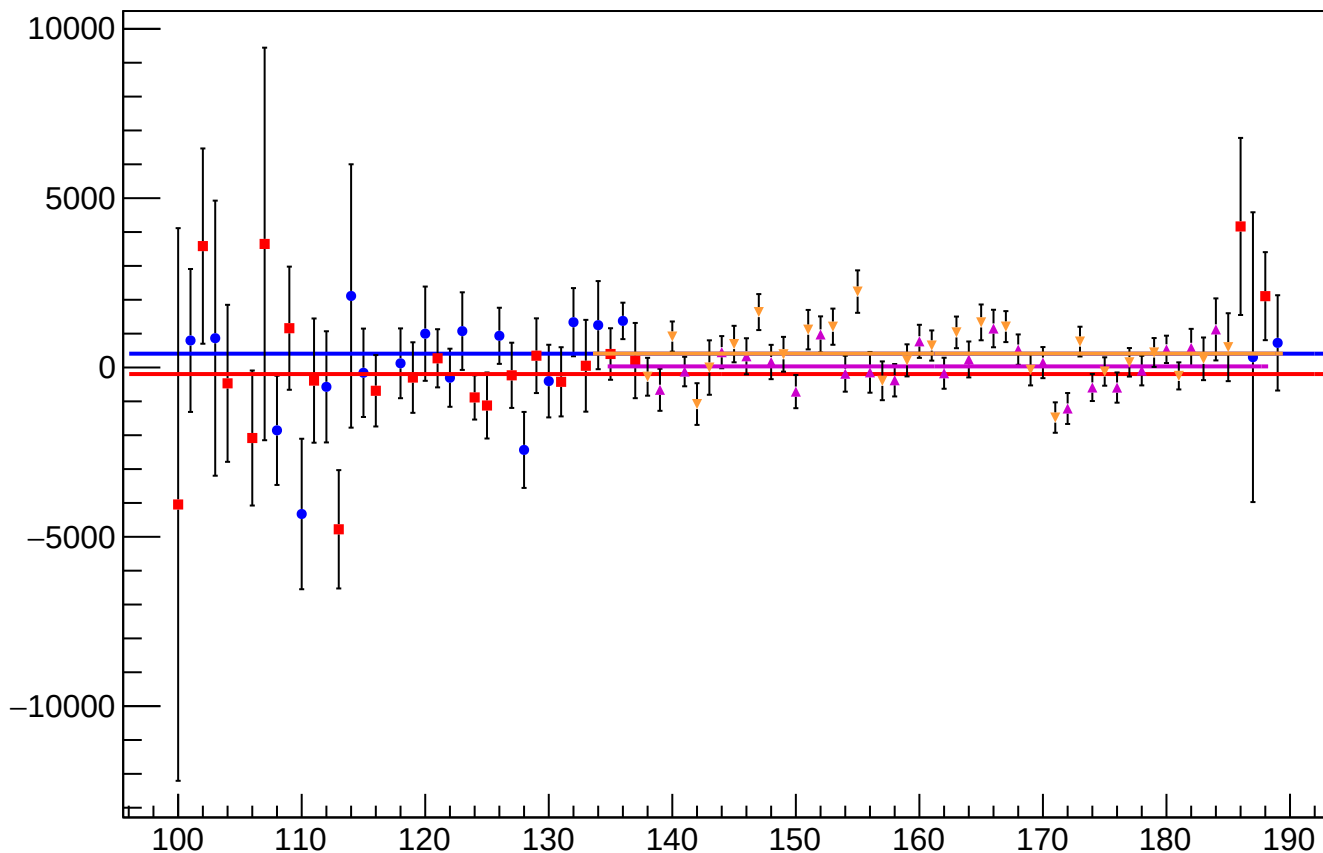
Right: 1971.279 $\pm$ 0.361 χ^2 /NDF: 969207.1/39

In: 1868.768 $\pm$ 0.268 χ^2 /NDF:652007.4/41

Out: 1882.748 $\pm$ 0.259 χ^2 /NDF:444389.3/45

All: 1876.003 $\pm$ 0.186 χ^2 /NDF: 1097800.3/87

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left: 225.398 $\pm$ 71.712 χ^2 /NDF: 100.9/47

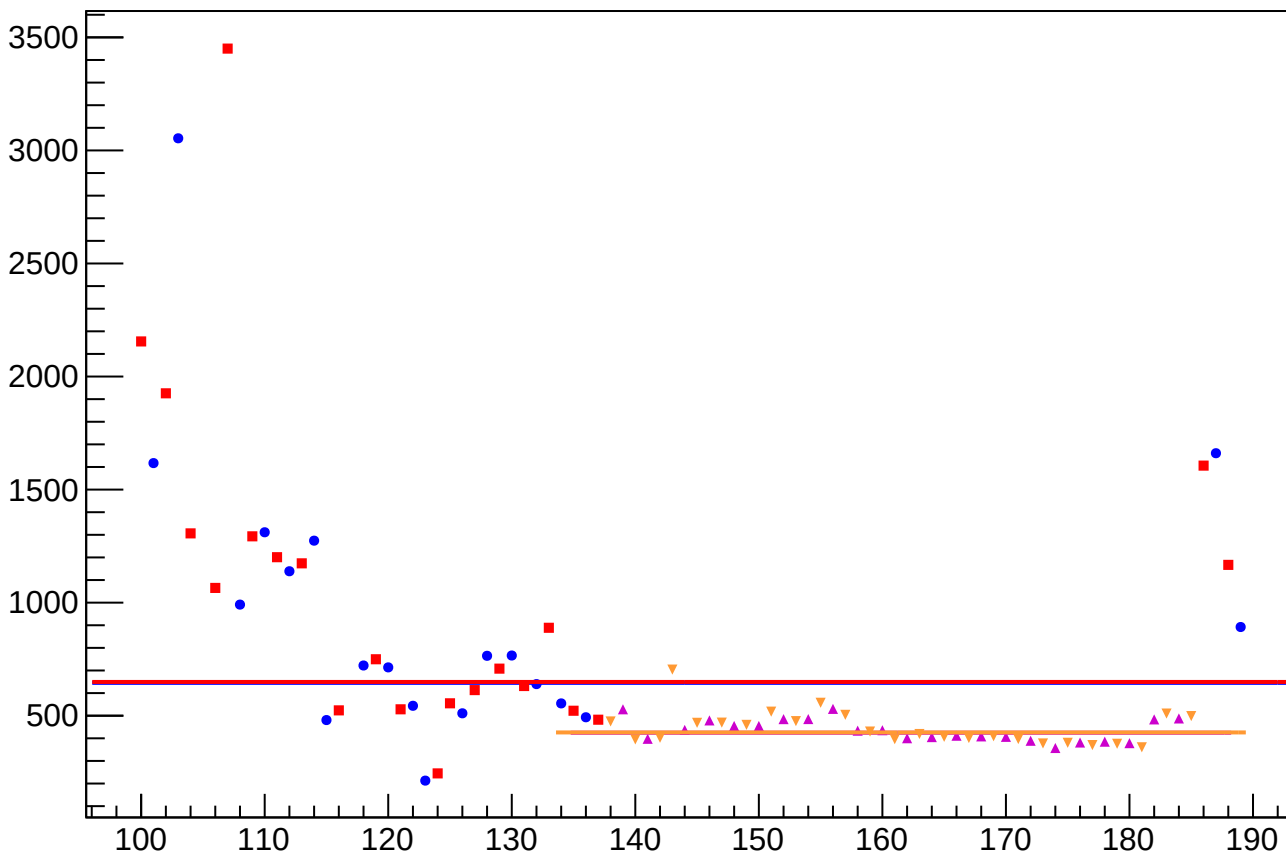
Right: 100.963 $\pm$ 185.821 χ^2 /NDF: 43.4/39

In: 81.094 $\pm$ 95.544 χ^2 /NDF:55.0/41

Out: 332.572 $\pm$ 93.711 χ^2 /NDF:86.1/45

All: 209.268 $\pm$ 66.903 χ^2 /NDF: 144.7/87

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left: 425.346 $\pm$ 0.051 χ^2 /NDF: 1124871.5/47

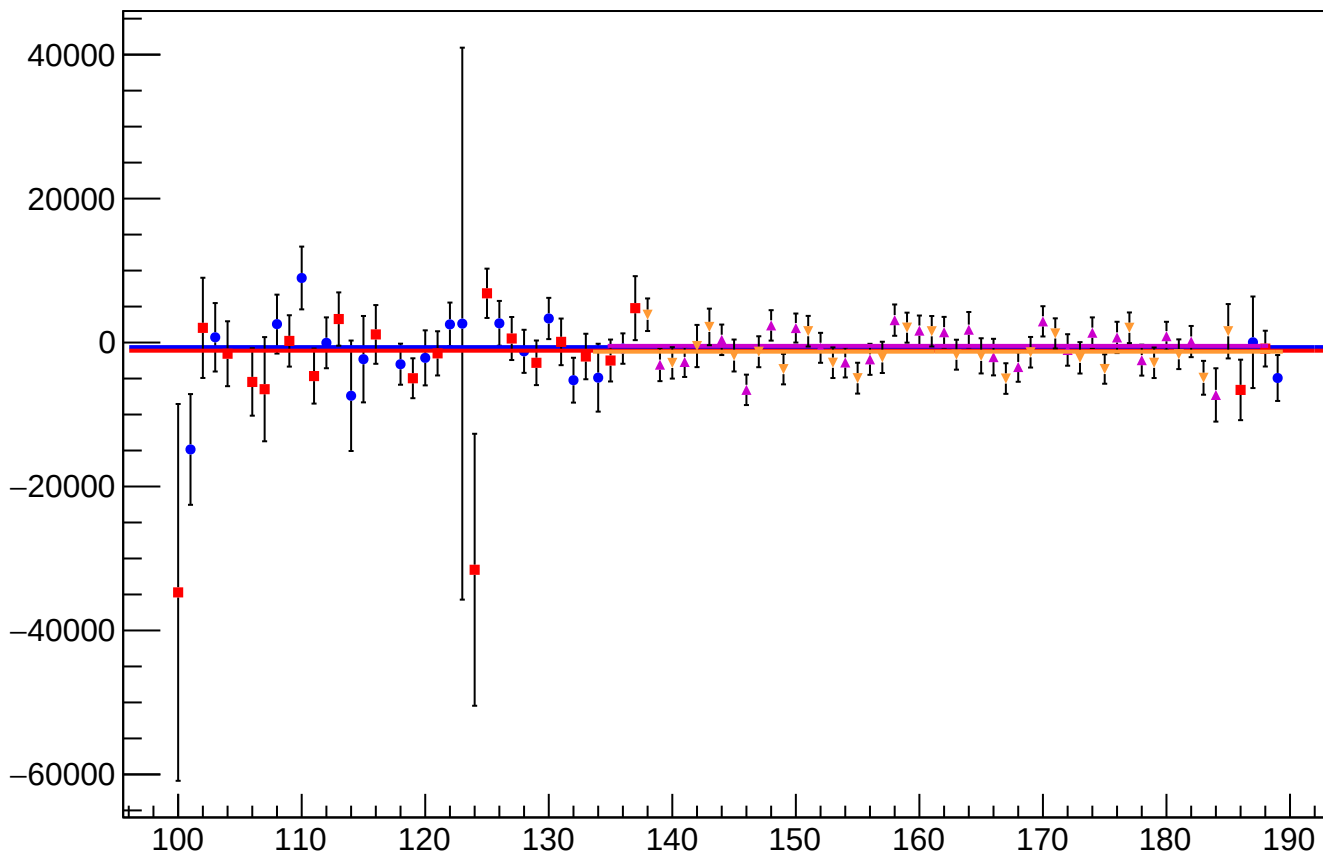
Right: 647.361 $\pm$ 0.131 χ^2 /NDF: 5853654.8/39

In: 453.211 $\pm$ 0.068 χ^2 /NDF: 4031633.3/41

Out: 455.005 $\pm$ 0.066 χ^2 /NDF: 5431434.8/45

All: 454.125 $\pm$ 0.047 χ^2 /NDF: 9463427.2/87

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left: -874.870+/-317.128 χ^2/NDF : 65.0/47

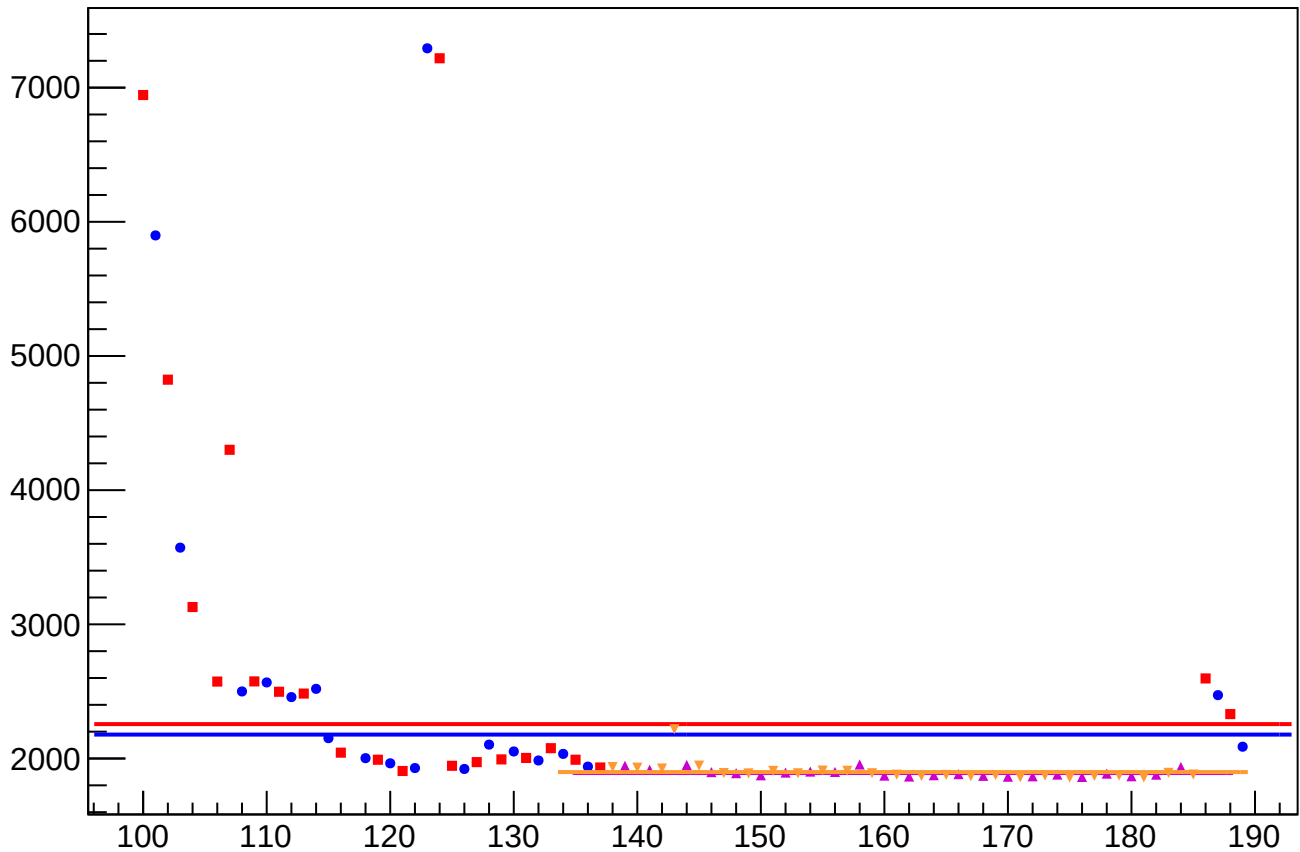
Right: -891.731+/-580.260 χ^2/NDF : 40.3/39

In: -501.762+/-398.921 χ^2/NDF :52.3/41

Out: -1236.083+/-388.384 χ^2/NDF :51.3/45

All: -878.748+/-278.280 χ^2/NDF : 105.3/87

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left: 1895.414+/-0.224 χ^2/NDF : 46363.6/47

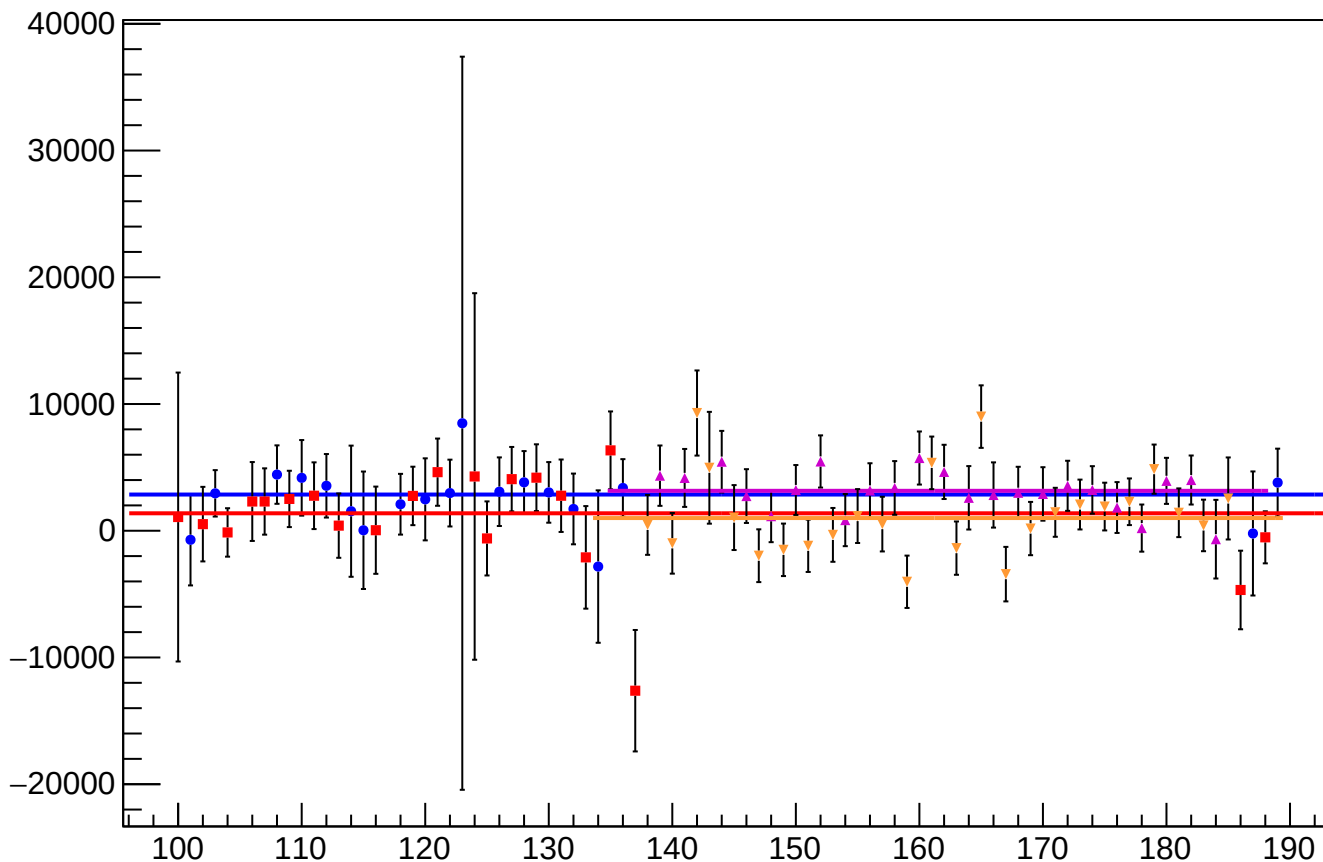
Right: 2218.734+/-0.410 χ^2/NDF : 1724193.8/39

In: 1956.962+/-0.282 χ^2/NDF : 995688.1/41

Out: 1981.922+/-0.275 χ^2/NDF : 1248978.7/45

All: 1969.776+/-0.197 χ^2/NDF : 2248686.2/87

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left: 2061.387 $\pm$ 309.830 χ^2 /NDF: 68.5/47

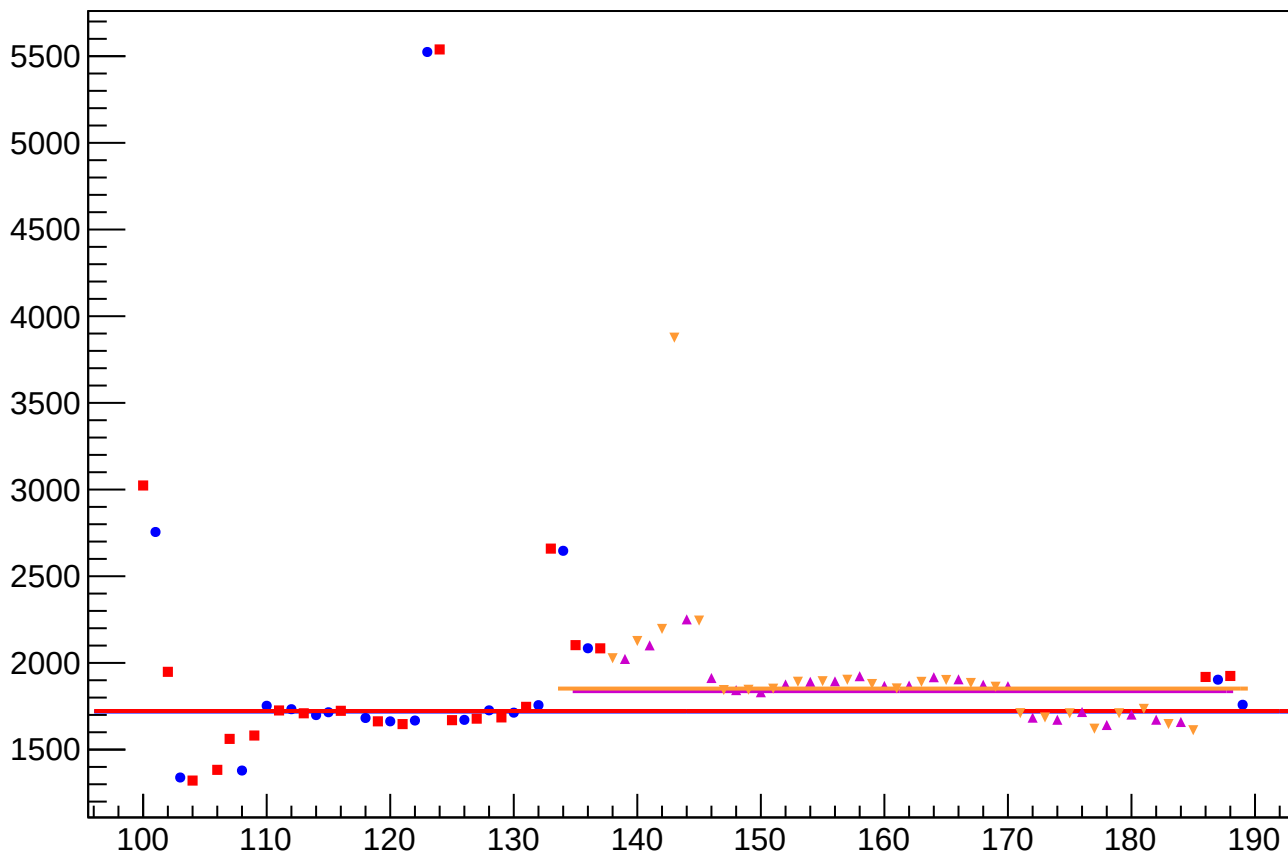
Right: 2069.960 $\pm$ 447.282 χ^2 /NDF: 30.0/39

In: 3058.612 $\pm$ 365.661 χ^2 /NDF:16.1/41

Out: 1127.077 $\pm$ 354.960 χ^2 /NDF:68.0/45

All: 2064.167 $\pm$ 254.694 χ^2 /NDF: 98.5/87

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left: 1844.654+/-0.219 χ^2/NDF : 850610.1/47

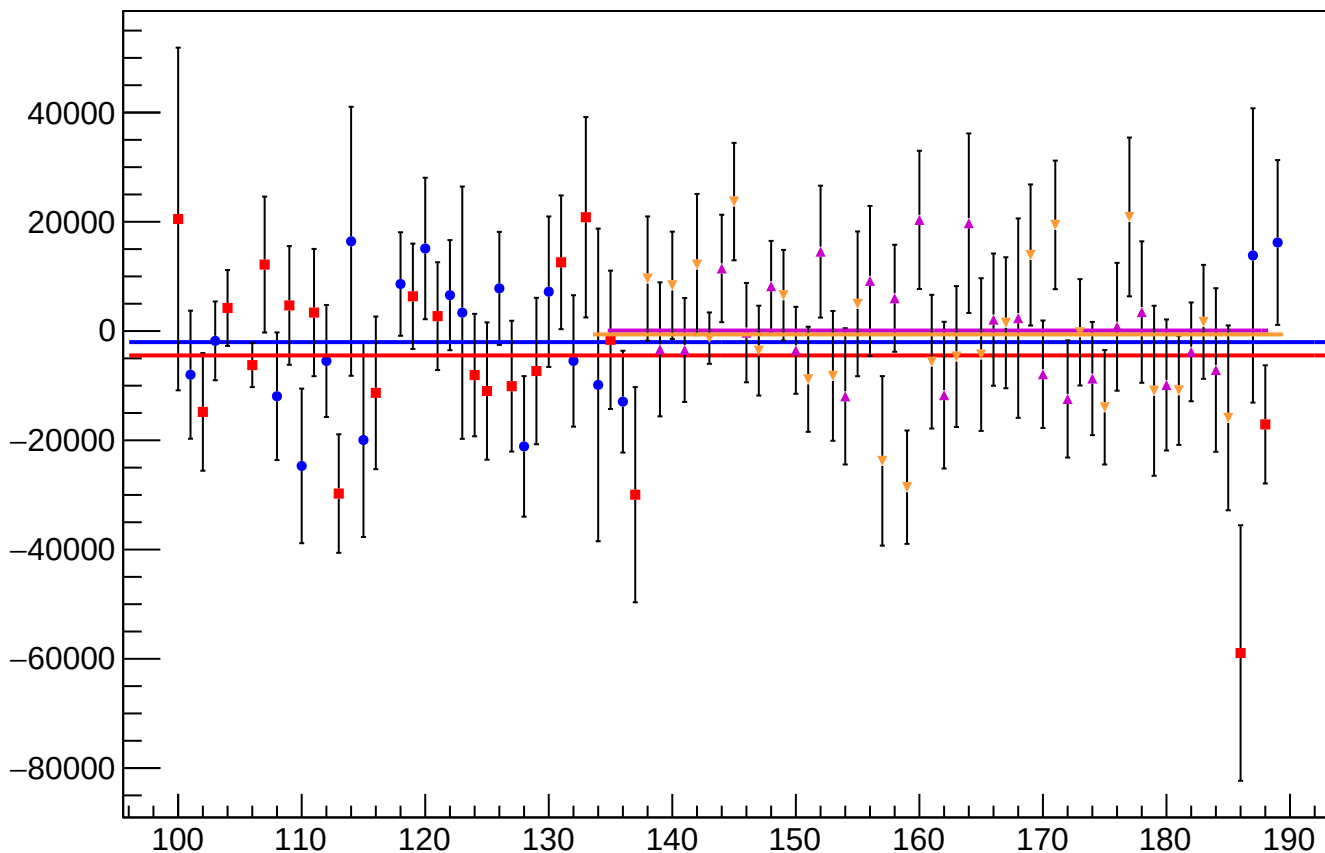
Right: 1721.208+/-0.316 χ^2/NDF : 921816.0/39

In: 1800.370+/-0.259 χ^2/NDF : 680638.4/41

Out: 1808.638+/-0.251 χ^2/NDF : 1194209.1/45

All: 1804.627+/-0.180 χ^2/NDF : 1875374.1/87

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -2027.182 $\pm$ 2794.653 χ^2 /NDF: 15.9/18

Left Out: -619.372 $\pm$ 2069.686 χ^2 /NDF:30.1/24

Right Out: -4463.535 $\pm$ 2211.461 χ^2 /NDF: 26.7/20

Left In: 93.334 $\pm$ 2293.826 χ^2 /NDF:14.6/22

Left: -299.532 $\pm$ 1536.638 χ^2 /NDF: 44.8/47

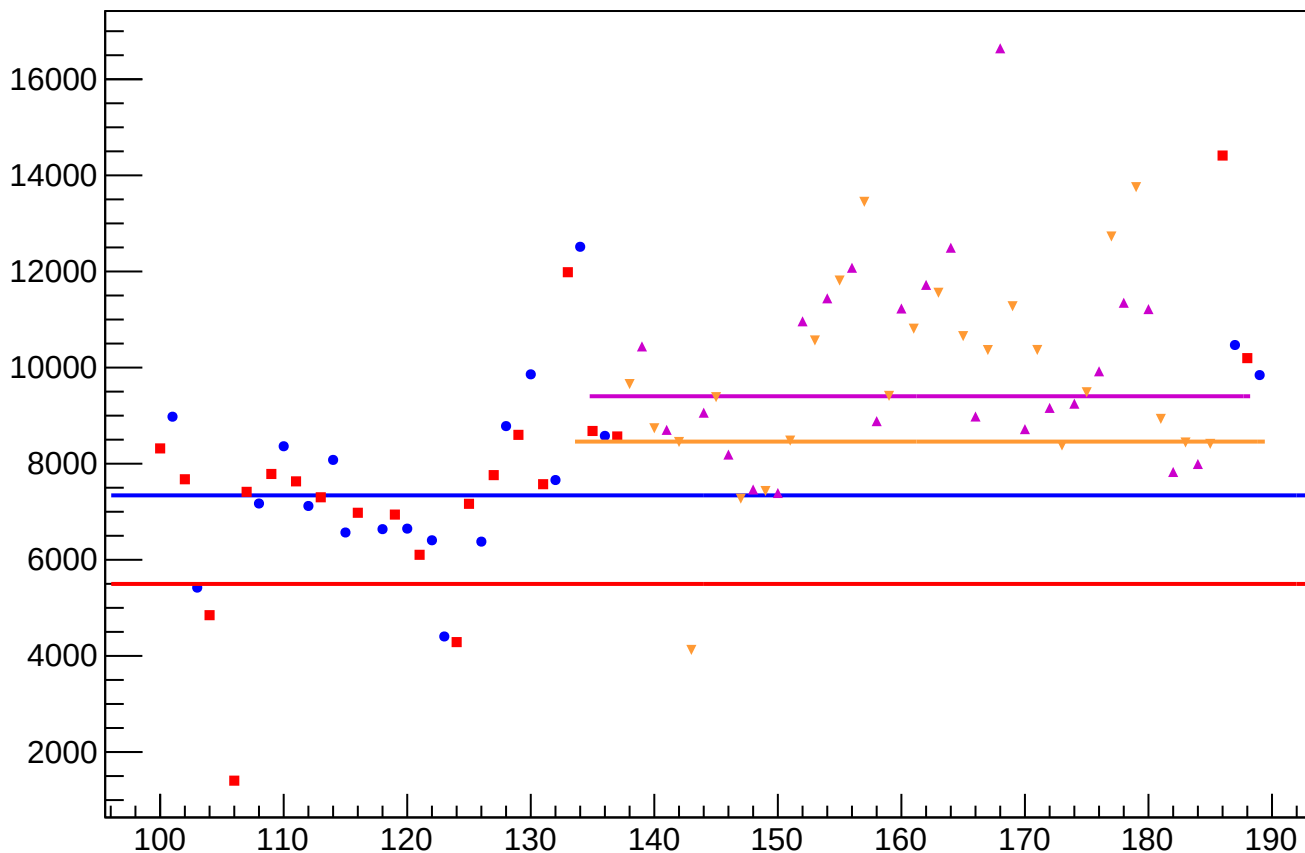
Right: -3525.384 $\pm$ 1734.180 χ^2 /NDF: 43.1/39

In: -760.217 $\pm$ 1773.054 χ^2 /NDF:30.9/41

Out: -2414.289 $\pm$ 1511.126 χ^2 /NDF:58.5/45

All: -1718.339 $\pm$ 1150.095 χ^2 /NDF: 89.9/87

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7340.783 $\pm$ 1.976 χ^2 /NDF: 557570.6/18

Left Out: 8459.960 $\pm$ 1.463 χ^2 /NDF:3087200.5/24

Right Out: 5497.791 $\pm$ 1.564 χ^2 /NDF: 3896852.9/20

Left In: 9403.481 $\pm$ 1.622 χ^2 /NDF:1142646.9/22

Left: 8883.382 $\pm$ 1.087 χ^2 /NDF: 4416376.4/47

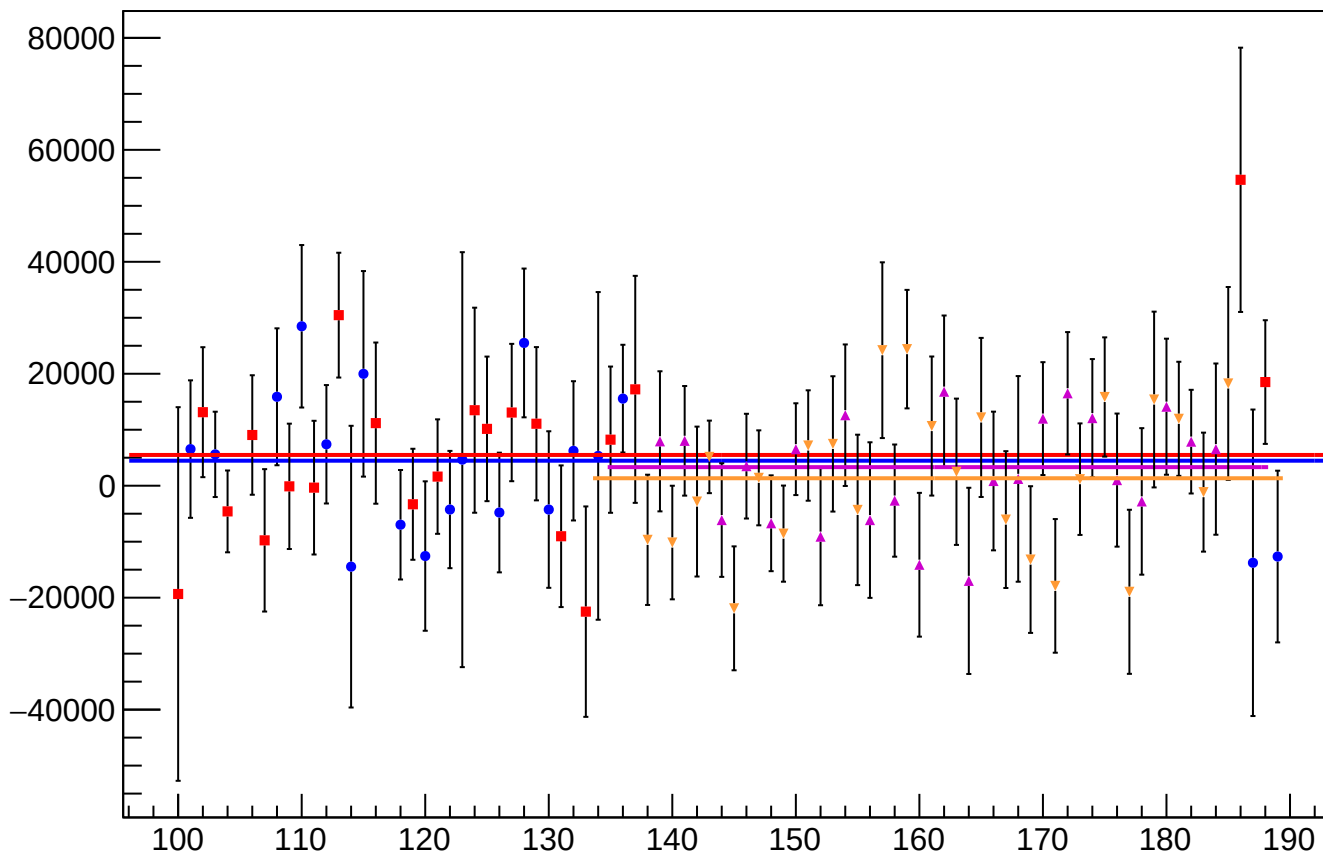
Right: 6207.461 $\pm$ 1.226 χ^2 /NDF: 4989296.6/39

In: 8573.203 $\pm$ 1.254 χ^2 /NDF:2351198.8/41

Out: 7076.864 $\pm$ 1.069 χ^2 /NDF:8896913.9/45

All: 7706.448 $\pm$ 0.813 χ^2 /NDF: 12073224.2/8

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4467.701 $\pm$ 2908.361 χ^2 /NDF: 15.4/18

Left Out: 1332.828 $\pm$ 2213.733 χ^2 /NDF: 28.0/24

Right Out: 5494.935 $\pm$ 2692.804 χ^2 /NDF: 21.5/20

Left In: 3316.909 $\pm$ 2344.543 χ^2 /NDF: 13.7/22

Left: 2267.978 $\pm$ 1609.604 χ^2 /NDF: 42.2/47

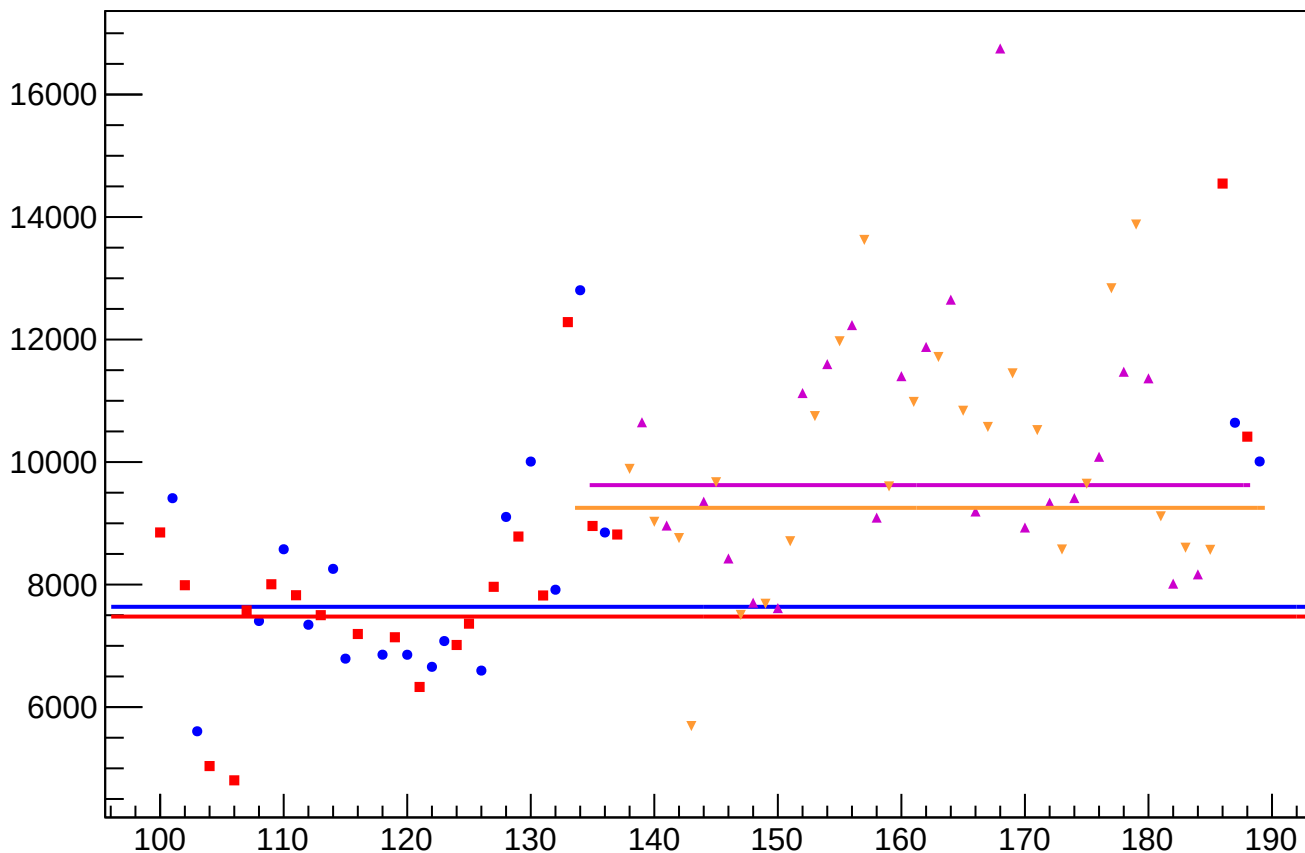
Right: 5020.792 $\pm$ 1975.915 χ^2 /NDF: 37.0/39

In: 3770.192 $\pm$ 1825.302 χ^2 /NDF: 29.2/41

Out: 3011.334 $\pm$ 1710.053 χ^2 /NDF: 51.0/45

All: 3366.051 $\pm$ 1247.945 χ^2 /NDF: 80.3/87

asym_at2_avg_rms vs Slug, Sign Corrected



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

Left: 9427.467+/-1.138 χ^2/NDF : 2694036.4/47

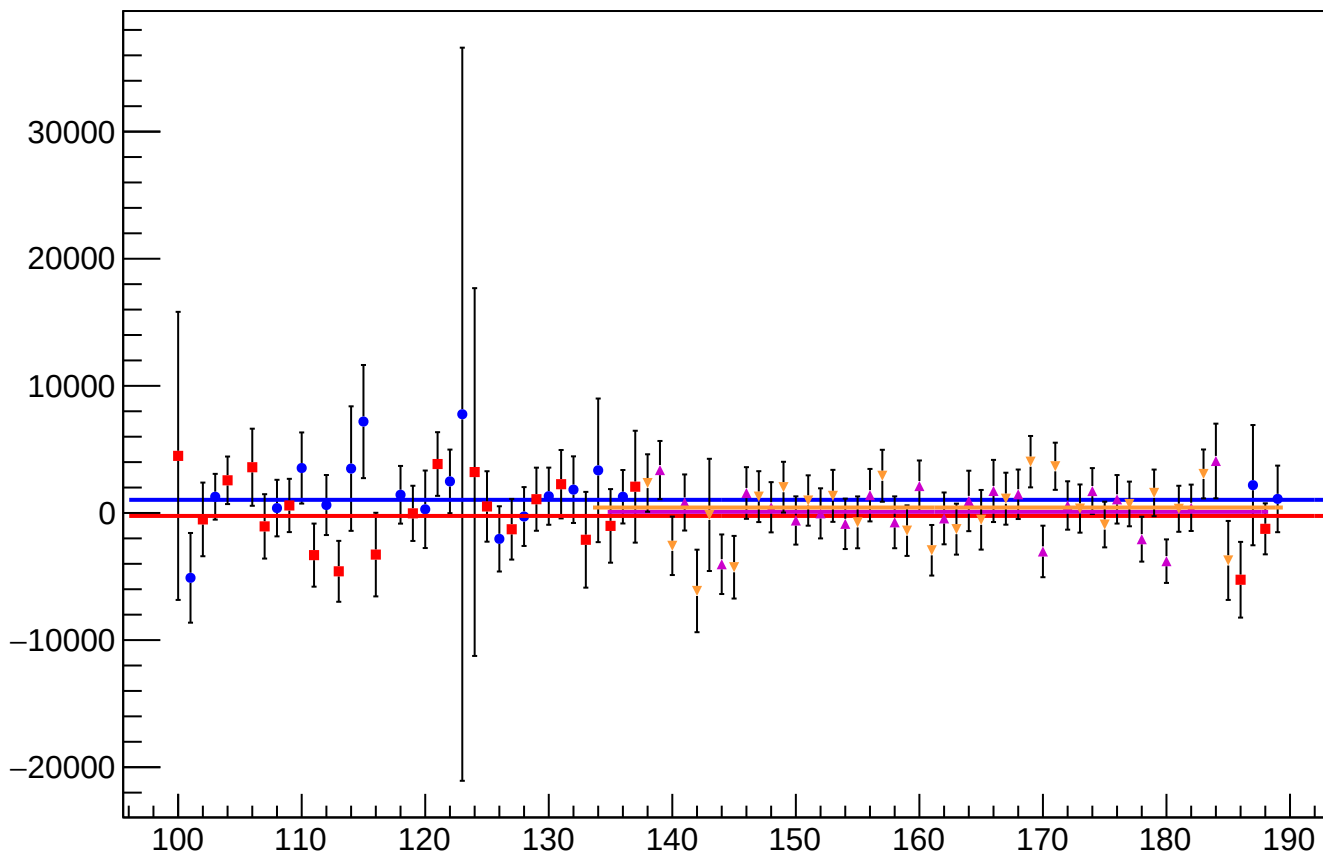
Right: 7551.333+/-1.397 χ^2/NDF : 1409784.3/39

In: 8841.048+/-1.291 χ^2/NDF : 2141001.9/41

Out: 8536.828+/-1.209 χ^2/NDF : 3017191.0/45

All: 8679.026+/-0.882 χ^2/NDF : 5187782.1/87

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1033.509 ± 622.243 χ^2/NDF : 8.7/18

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: -233.672 ± 585.269 χ^2/NDF : 17.8/20

Left In: 88.373 ± 421.957 χ^2/NDF : 21.0/22

Left: 261.180 ± 296.376 χ^2/NDF : 50.0/47

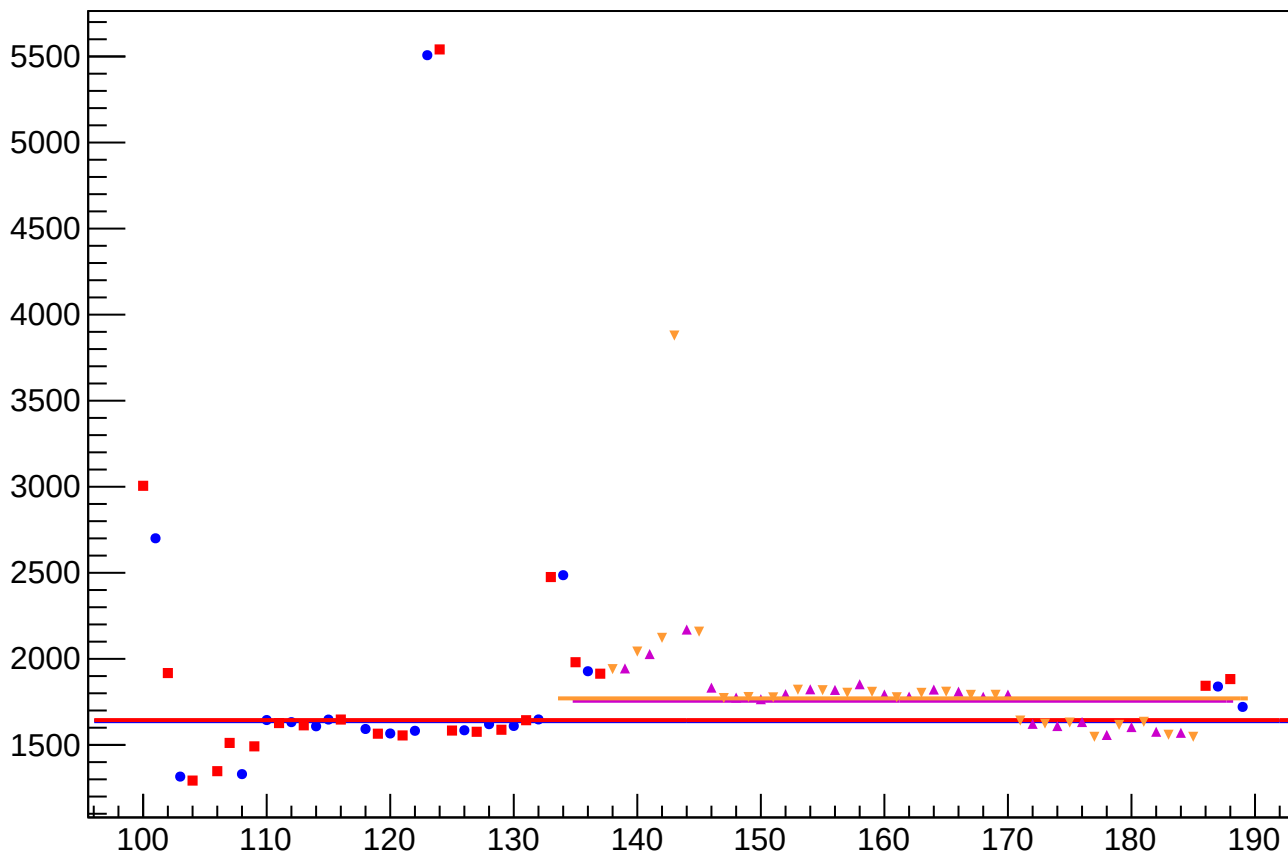
Right: 361.154 ± 426.320 χ^2/NDF : 28.7/39

In: 386.089 ± 349.232 χ^2/NDF : 31.2/41

Out: 206.607 ± 339.278 χ^2/NDF : 47.4/45

All: 293.754 ± 243.349 χ^2/NDF : 78.7/87

reg_asym_at2_dd_rms vs Slug, Sign Corrected



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

Left: 1763.595 $\pm$ 0.210 χ^2 /NDF: 923692.1/47

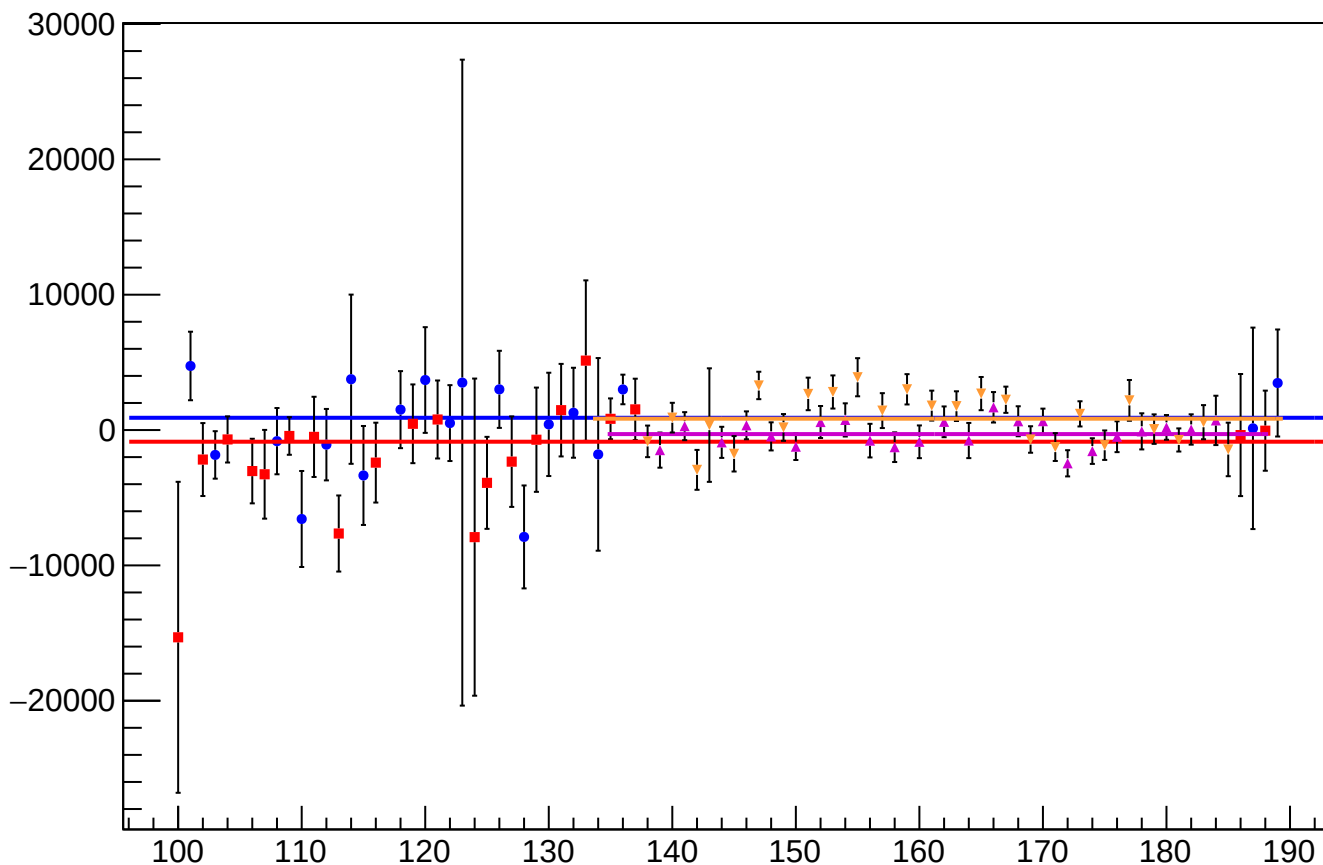
Right: 1641.317 $\pm$ 0.301 χ^2 /NDF: 888719.6/39

In: 1719.259 $\pm$ 0.247 χ^2 /NDF: 685599.3/41

Out: 1727.996 $\pm$ 0.240 χ^2 /NDF: 1237093.1/45

All: 1723.753 $\pm$ 0.172 χ^2 /NDF: 1923336.4/87

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left: 272.574+/-163.293 χ^2/NDF : 84.9/47

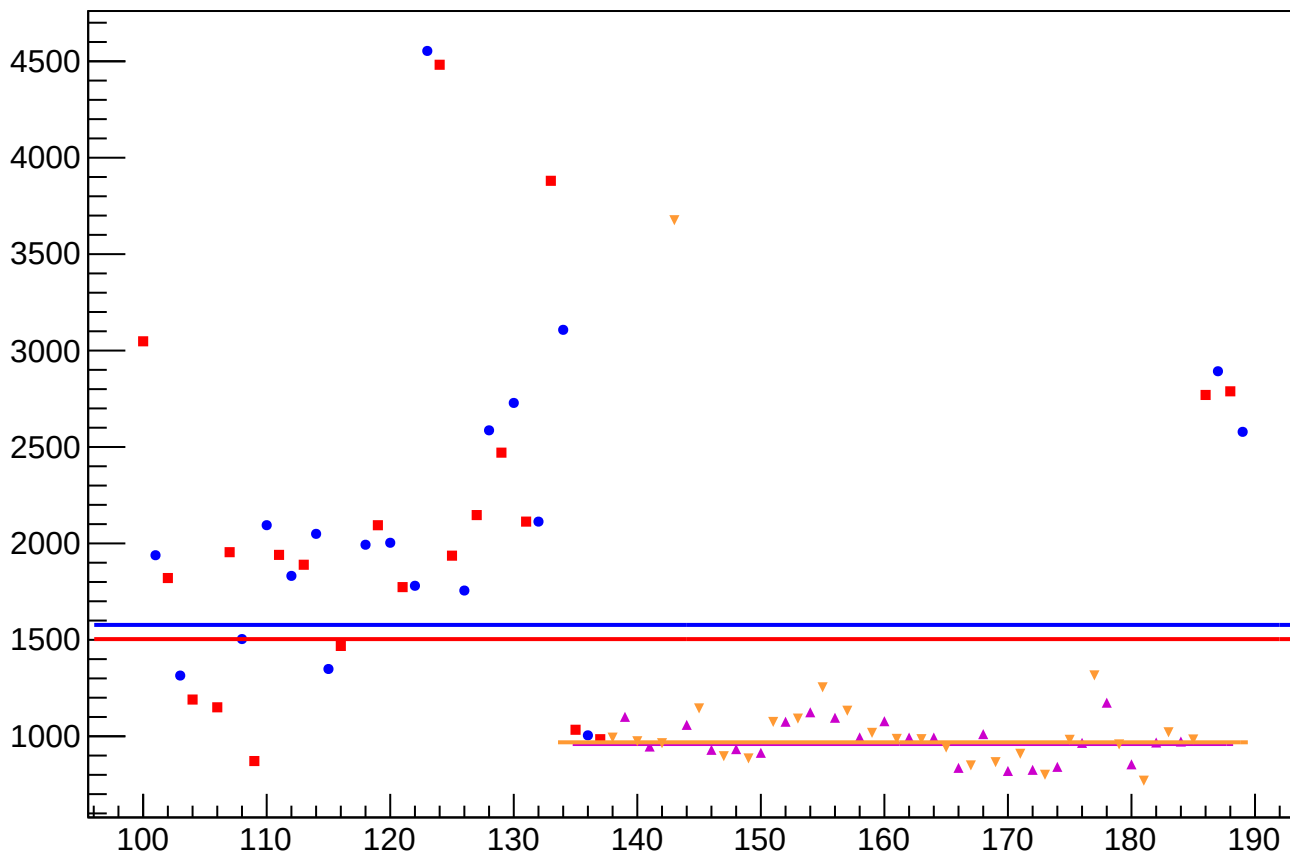
Right: -49.033+/-422.165 χ^2/NDF : 42.2/39

In: -152.520+/-216.905 χ^2/NDF :44.2/41

Out: 603.373+/-213.888 χ^2/NDF :77.2/45

All: 230.719+/-152.297 χ^2/NDF : 127.5/87

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left: 964.276 $\pm$ 0.115 χ^2 /NDF: 1766394.7/47

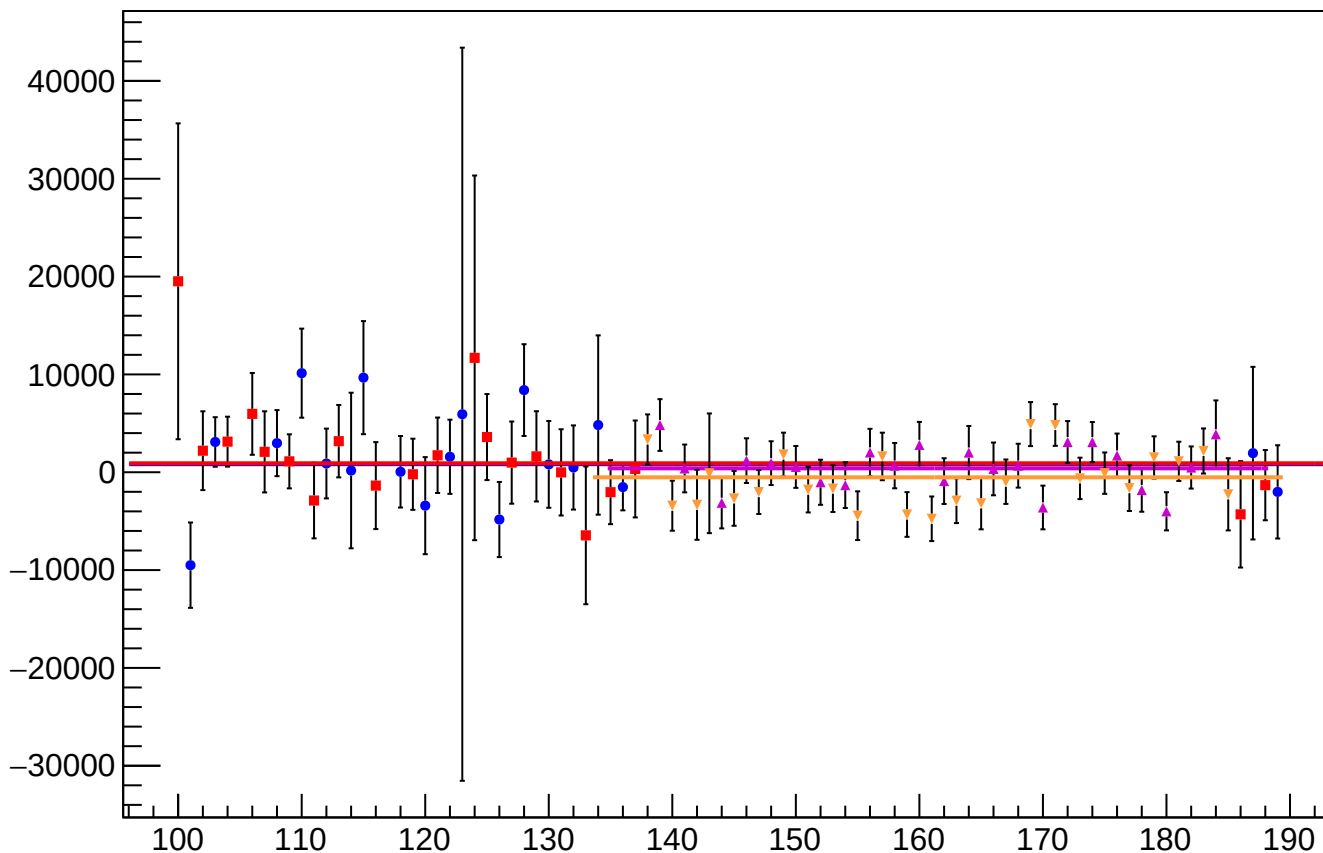
Right: 1537.666 $\pm$ 0.299 χ^2 /NDF: 3893297.1/39

In: 1034.758 $\pm$ 0.153 χ^2 /NDF: 3590397.4/41

Out: 1042.924 $\pm$ 0.151 χ^2 /NDF: 5277183.2/45

All: 1038.898 $\pm$ 0.108 χ^2 /NDF: 8869017.7/87

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left: -63.533+/-341.714 χ^2/NDF : 57.7/47

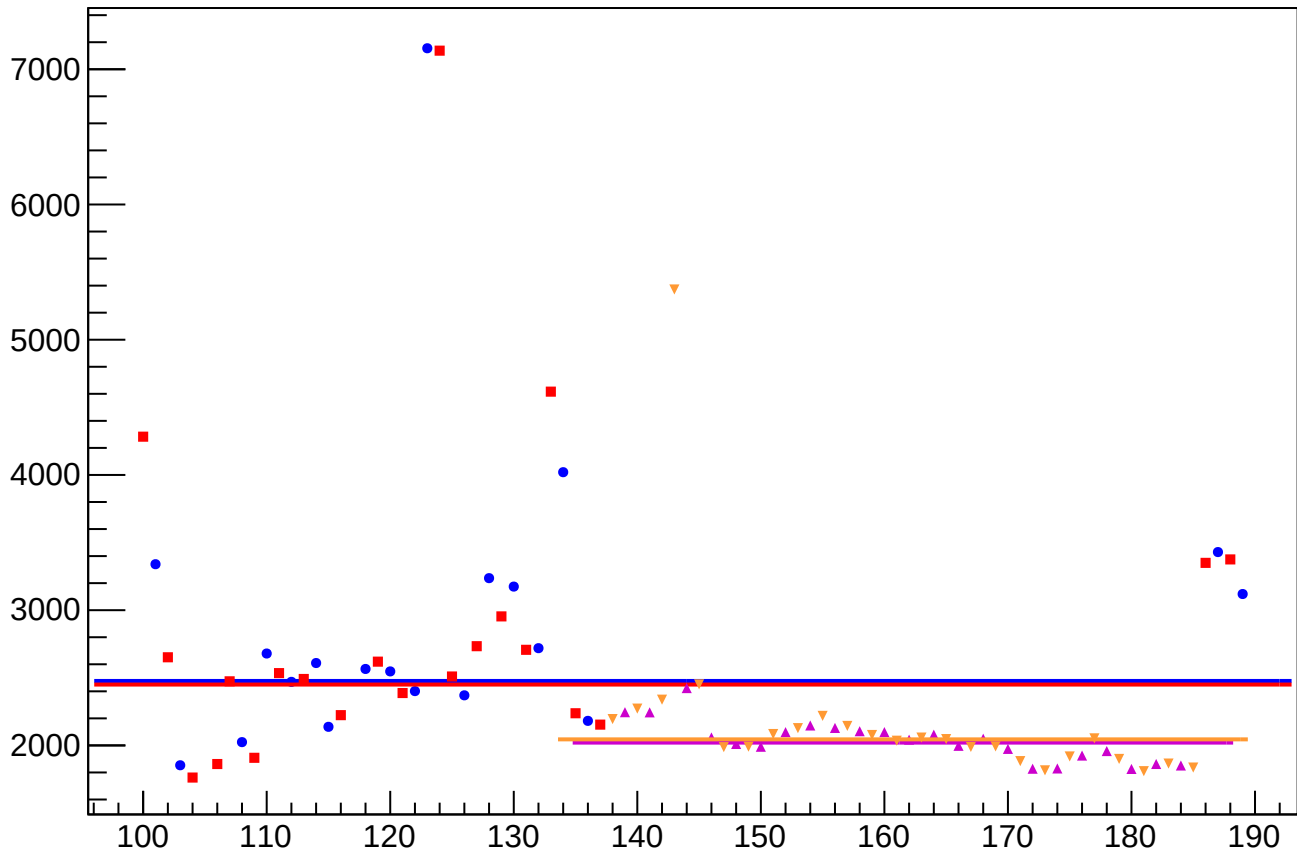
Right: 872.997+/-646.444 χ^2/NDF : 30.0/39

In: 486.412+/-431.578 χ^2/NDF :42.5/41

Out: -190.854+/-423.028 χ^2/NDF :45.5/45

All: 141.004+/-302.104 χ^2/NDF : 89.3/87

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2476.657 $\pm$ 0.669 χ^2/NDF : 537751.8/18

Left Out: 2044.722 $\pm$ 0.340 χ^2/NDF : 788703.5/24

Right Out: 2450.023 $\pm$ 0.626 χ^2/NDF : 863123.1/20

Left In: 2020.802 $\pm$ 0.343 χ^2/NDF : 173502.0/22

Left: 2032.850 $\pm$ 0.242 χ^2/NDF : 964655.5/47

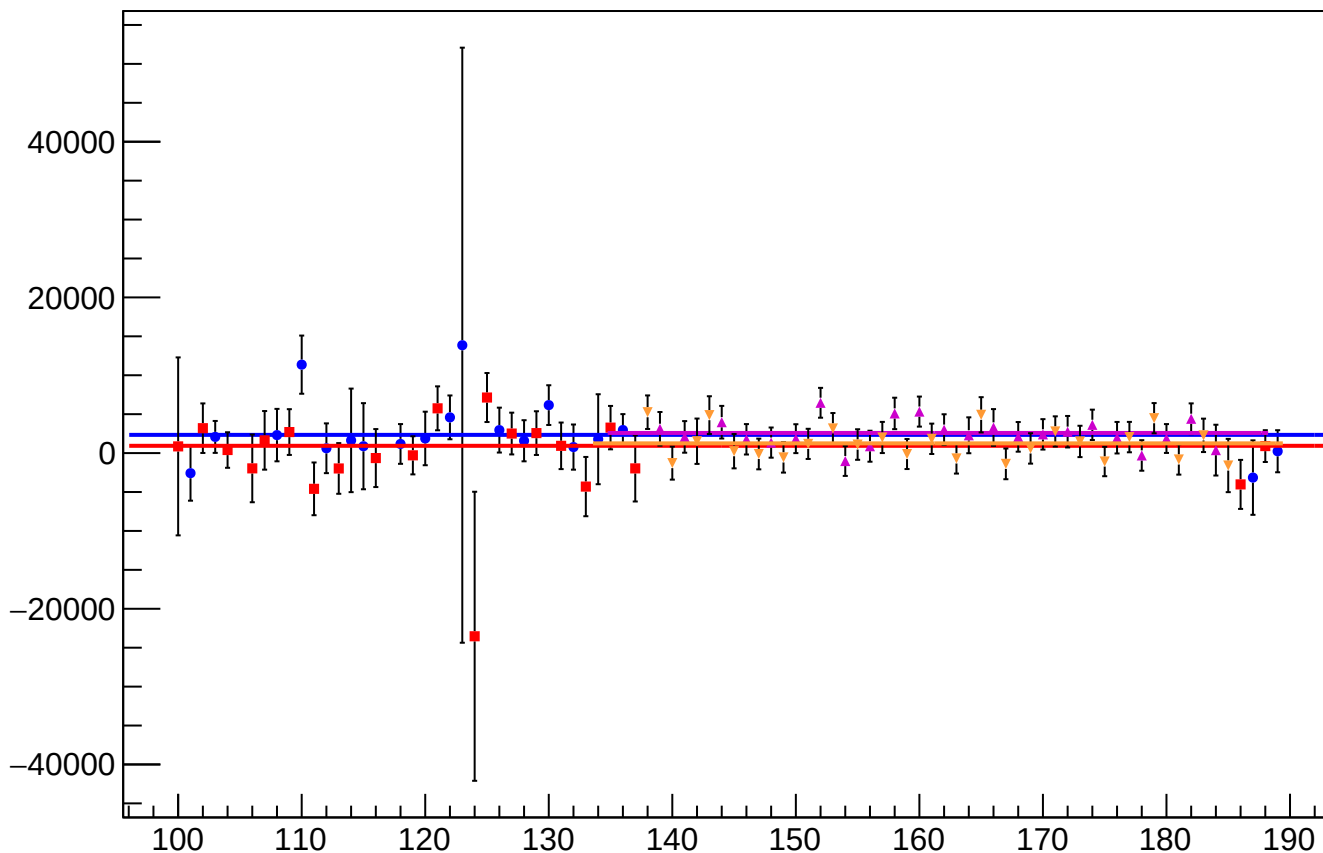
Right: 2462.471 $\pm$ 0.457 χ^2/NDF : 1401720.1/39

In: 2115.766 $\pm$ 0.305 χ^2/NDF : 1079255.0/41

Out: 2137.164 $\pm$ 0.299 χ^2/NDF : 1975055.0/45

All: 2126.679 $\pm$ 0.214 χ^2/NDF : 3056817.6/87

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2340.801+/-710.375 χ^2/NDF : 13.8/18

Left Out: 1249.917+/-412.486 χ^2/NDF : 23.0/24

Right Out: 935.652+/-680.730 χ^2/NDF : 20.0/20

Left In: 2586.937+/-421.510 χ^2/NDF : 17.5/22

Left: 1903.961+/-294.810 χ^2/NDF : 45.6/47

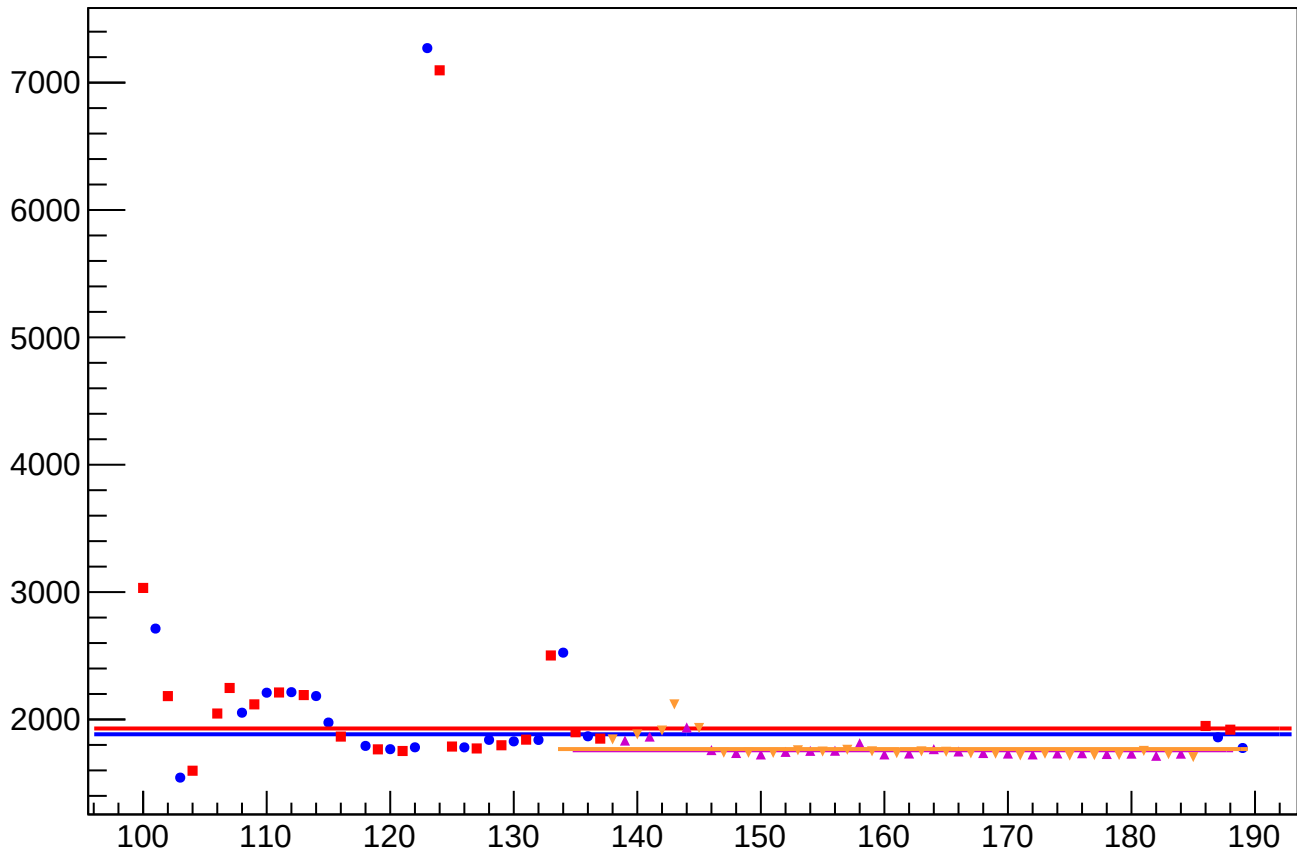
Right: 1608.295+/-491.495 χ^2/NDF : 35.9/39

In: 2522.844+/-362.499 χ^2/NDF : 31.4/41

Out: 1165.517+/-352.775 χ^2/NDF : 43.2/45

All: 1825.731+/-252.817 χ^2/NDF : 81.8/87

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left: 1762.899+/-0.208 χ^2/NDF : 107993.2/47

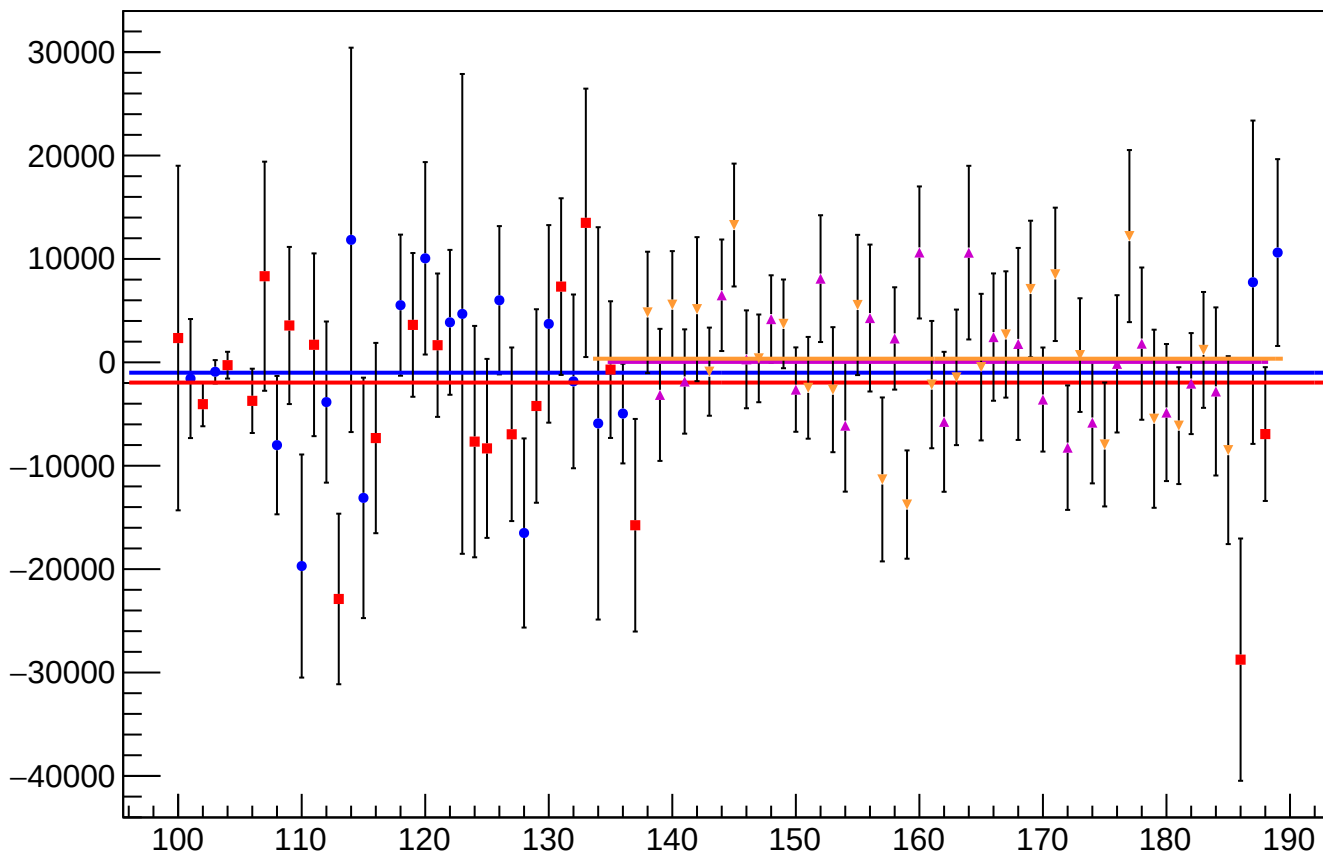
Right: 1907.354+/-0.347 χ^2/NDF : 655919.7/39

In: 1790.762+/-0.256 χ^2/NDF : 367225.5/41

Out: 1810.999+/-0.249 χ^2/NDF : 520669.1/45

All: 1801.159+/-0.179 χ^2/NDF : 891096.8/87

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1002.385 ± 977.533 $\chi^2/\text{NDF}: 15.5/18$

Left Out: 351.227 ± 1170.051 $\chi^2/\text{NDF}: 27.8/24$

Right Out: -1957.892 ± 929.290 $\chi^2/\text{NDF}: 23.8/20$

Left In: 40.618 ± 1207.491 $\chi^2/\text{NDF}: 16.0/22$

Left: 200.813 ± 840.276 $\chi^2/\text{NDF}: 43.9/47$

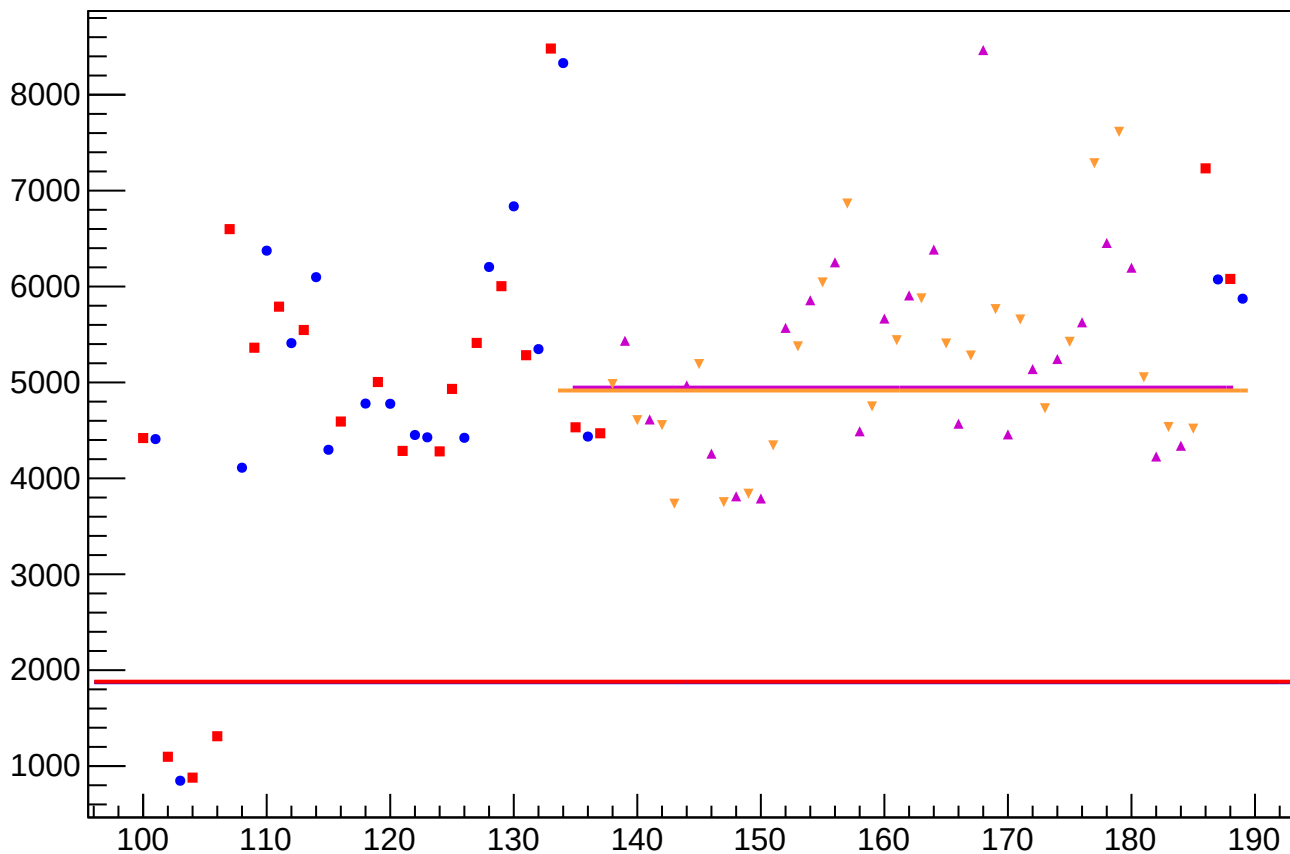
Right: -1504.298 ± 673.517 $\chi^2/\text{NDF}: 39.7/39$

In: -589.450 ± 759.770 $\chi^2/\text{NDF}: 31.9/41$

Out: -1064.714 ± 727.697 $\chi^2/\text{NDF}: 54.0/45$

All: -837.325 ± 525.533 $\chi^2/\text{NDF}: 86.1/87$

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1874.316 ± 0.691 $\chi^2/\text{NDF}: 6983152.7/18$

Left Out: 4915.865 ± 0.827 $\chi^2/\text{NDF}: 1186479.7/24$

Right Out: 1879.832 ± 0.657 $\chi^2/\text{NDF}: 7589848.4/20$

Left In: 4945.817 ± 0.854 $\chi^2/\text{NDF}: 1188288.6/22$

Left: 4930.370 ± 0.594 $\chi^2/\text{NDF}: 2375402.9/47$

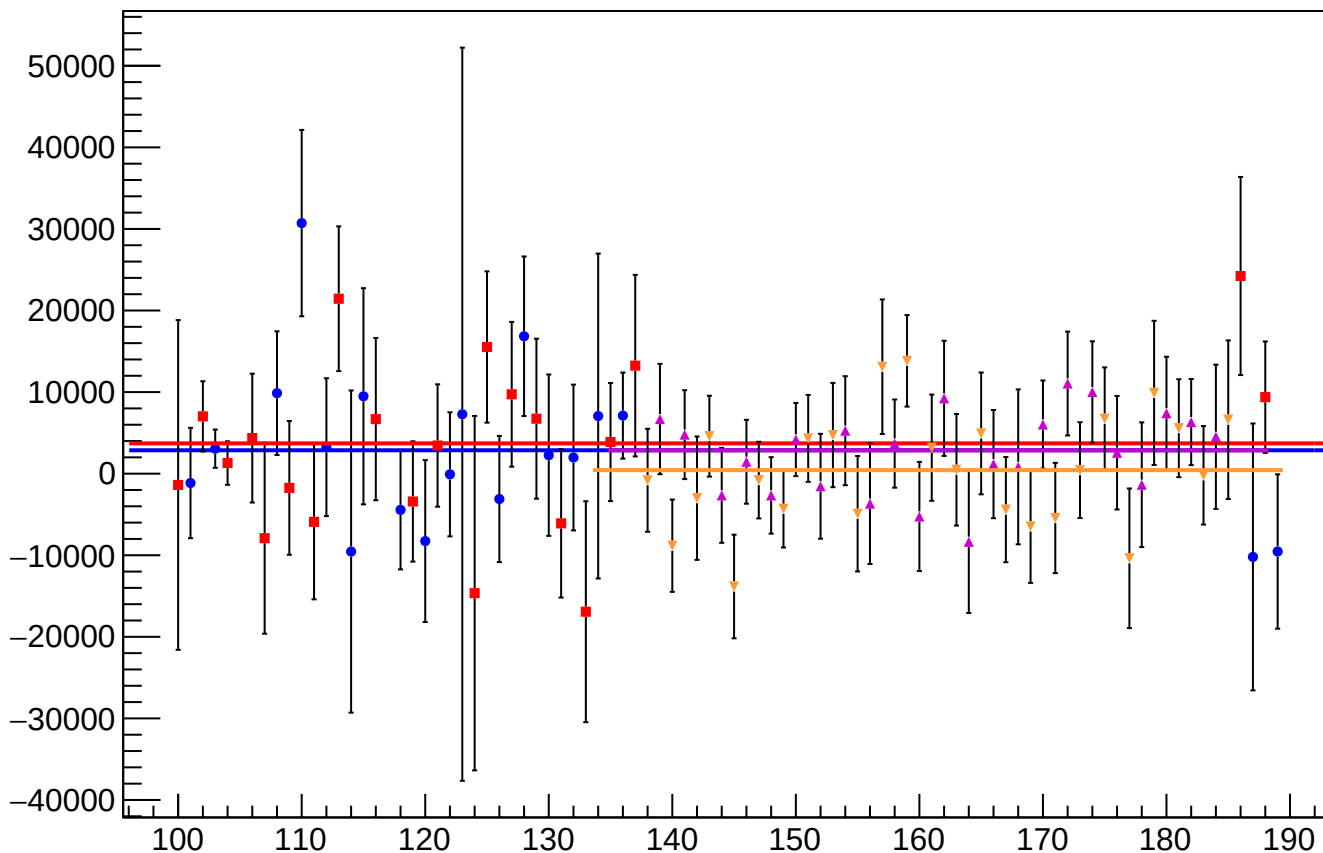
Right: 1877.214 ± 0.476 $\chi^2/\text{NDF}: 14573034.6/39$

In: 3090.355 ± 0.537 $\chi^2/\text{NDF}: 15988884.2/41$

Out: 3054.184 ± 0.515 $\chi^2/\text{NDF}: 17033510.0/45$

All: 3071.490 ± 0.372 $\chi^2/\text{NDF}: 33024758.4/86$

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2868.660+/-1579.089 χ^2/NDF : 15.9/18

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: 3716.501+/-1552.361 χ^2/NDF : 19.6/20

Left In: 2860.252+/-1292.328 χ^2/NDF : 12.9/22

Left: 1613.125+/-901.533 χ^2/NDF : 41.8/47

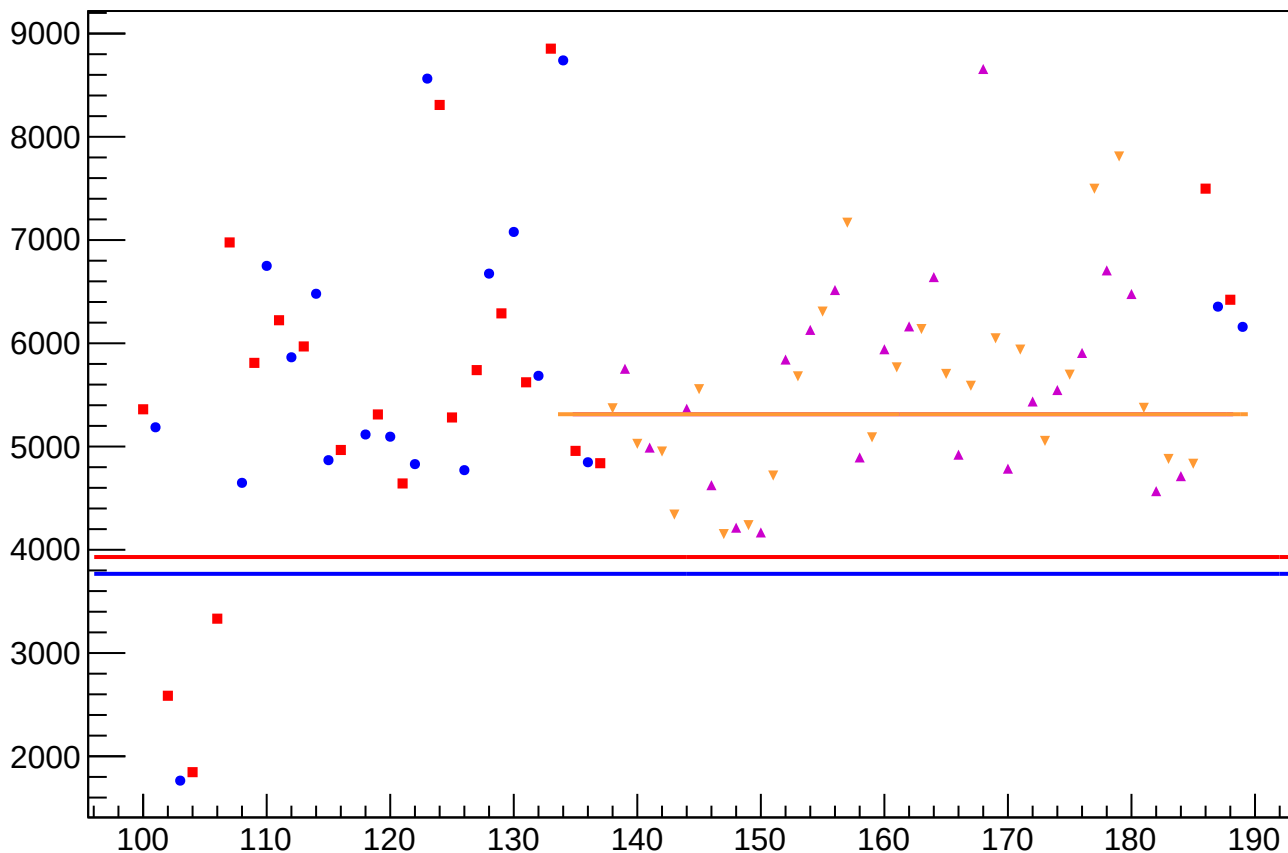
Right: 3299.816+/-1107.014 χ^2/NDF : 35.7/39

In: 2863.624+/-1000.099 χ^2/NDF : 28.8/41

Out: 1733.614+/-977.494 χ^2/NDF : 49.4/45

All: 2285.704+/-699.048 χ^2/NDF : 78.9/87

asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left: 5312.937 $\pm$ 0.637 χ^2 /NDF: 1851770.5/47

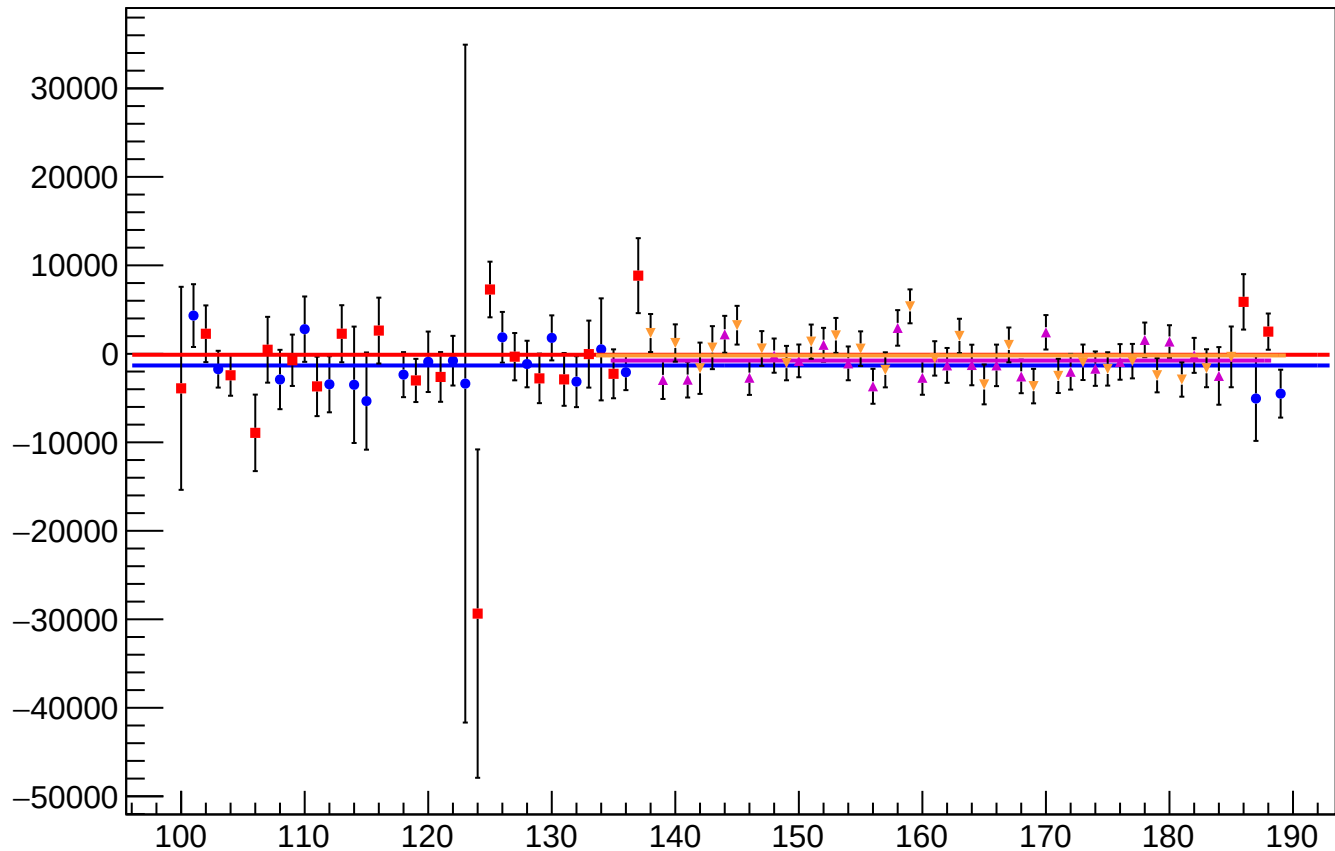
Right: 3850.327 $\pm$ 0.780 χ^2 /NDF: 6138274.3/39

In: 4692.786 $\pm$ 0.707 χ^2 /NDF: 5070243.0/41

Out: 4760.464 $\pm$ 0.689 χ^2 /NDF: 5022222.4/45

All: 4727.482 $\pm$ 0.494 χ^2 /NDF: 10097160.8/86

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left: -463.542 $\pm$ 293.710 χ^2 /NDF: 50.5/47

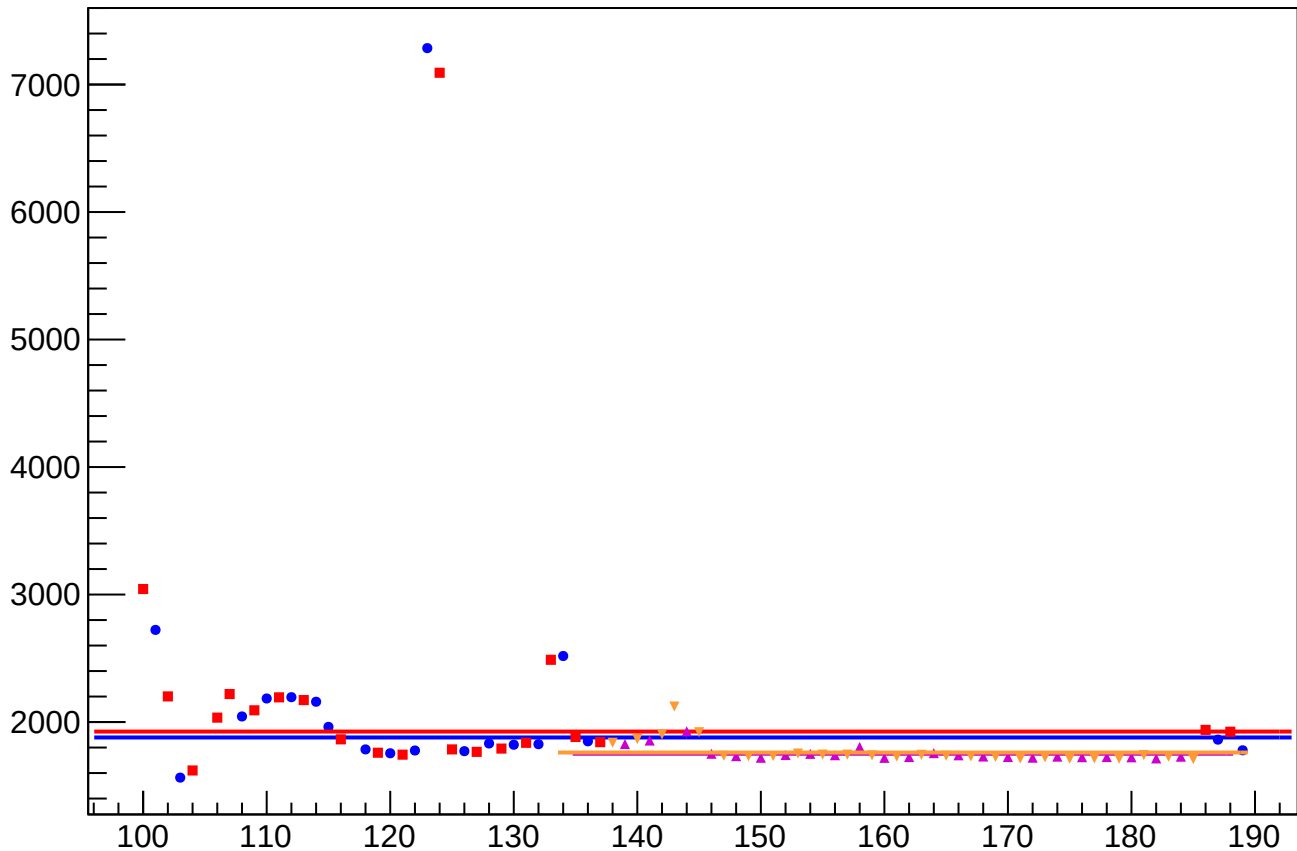
Right: -683.450 $\pm$ 490.232 χ^2 /NDF: 42.7/39

In: -903.940 $\pm$ 361.221 χ^2 /NDF: 31.4/41

Out: -159.411 $\pm$ 351.600 χ^2 /NDF: 59.7/45

All: -521.628 $\pm$ 251.951 χ^2 /NDF: 93.3/87

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1879.043 $\pm$ 0.501 χ^2/NDF : 282189.9/18

Left Out: 1761.091 $\pm$ 0.291 χ^2/NDF : 77468.5/24

Right Out: 1925.372 $\pm$ 0.480 χ^2/NDF : 349593.9/20

Left In: 1751.418 $\pm$ 0.297 χ^2/NDF : 28578.7/22

Left: 1756.358 $\pm$ 0.208 χ^2/NDF : 106589.3/47

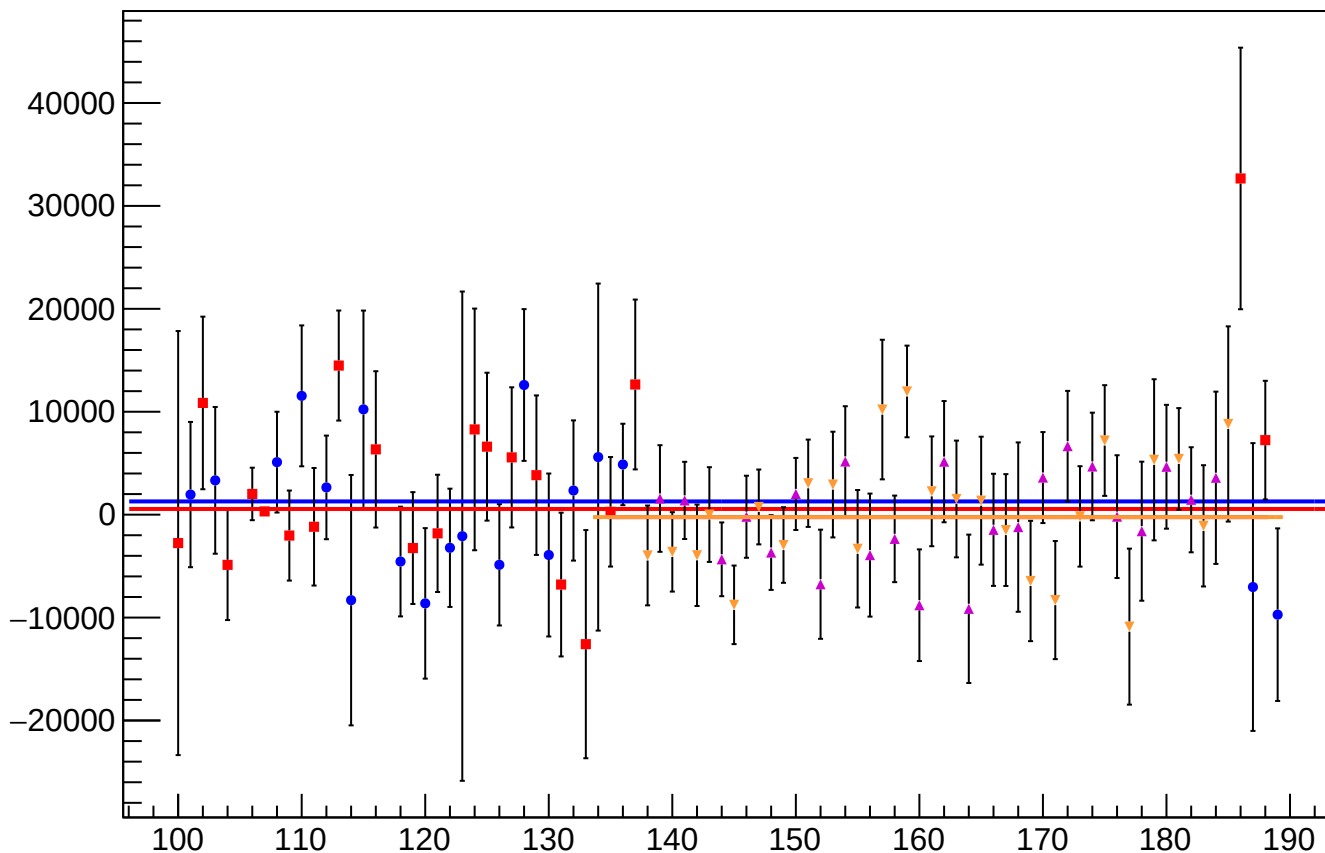
Right: 1903.219 $\pm$ 0.346 χ^2/NDF : 636246.9/39

In: 1784.598 $\pm$ 0.255 χ^2/NDF : 358801.8/41

Out: 1805.217 $\pm$ 0.249 χ^2/NDF : 512900.1/45

All: 1795.189 $\pm$ 0.178 χ^2/NDF : 875049.3/87

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



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

Left: -237.475 $\pm$ 718.990 χ^2 /NDF: 44.2/47

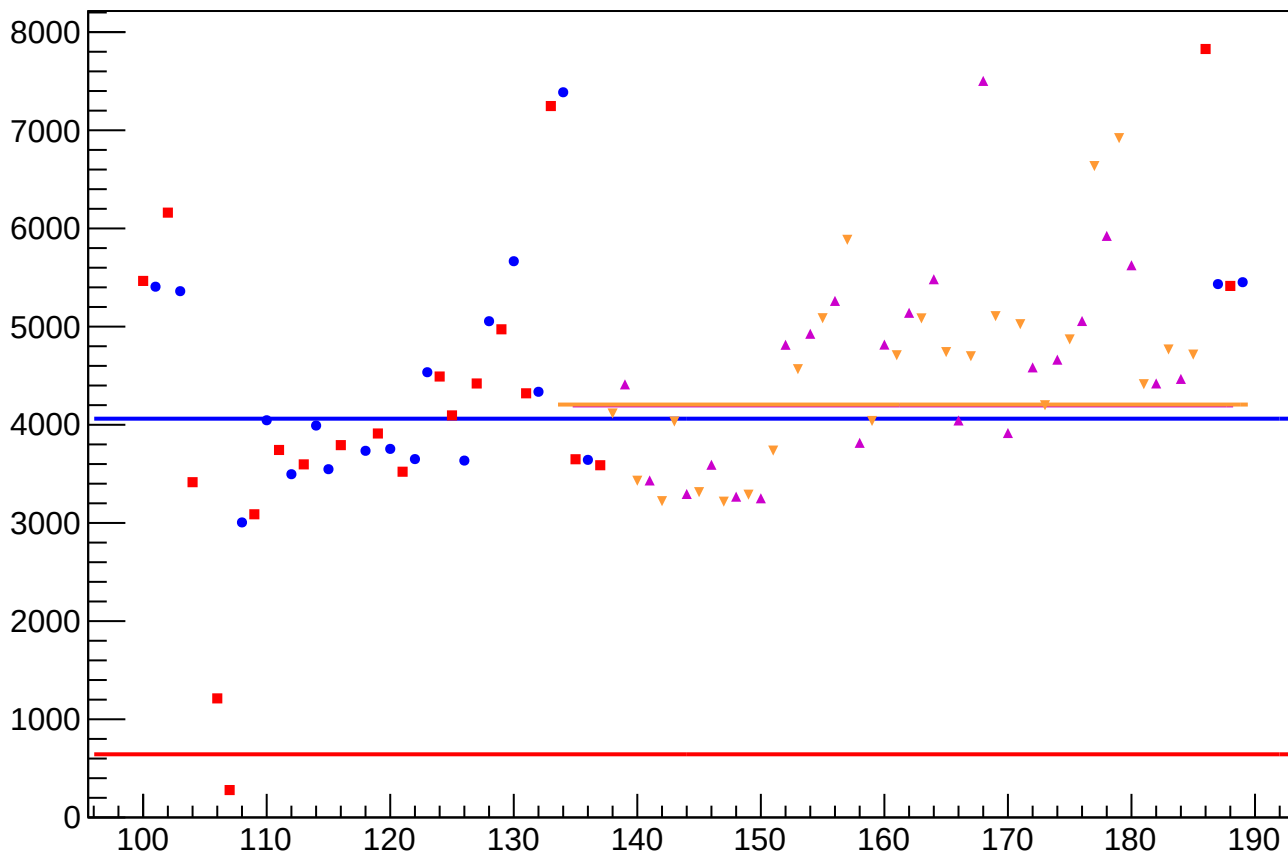
Right: 609.749 $\pm$ 433.955 χ^2 /NDF: 41.1/39

In: 228.313 $\pm$ 856.904 χ^2 /NDF:31.0/41

Out: 419.459 $\pm$ 412.296 χ^2 /NDF:55.3/45

All: 383.527 $\pm$ 371.528 χ^2 /NDF: 86.3/87

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



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

Left: 4201.775+/-0.508

χ^2/NDF : 2913357.2/47

Right: 911.968+/-0.307

χ^2/NDF : 21817399.3/39

In: 4155.879+/-0.606

χ^2/NDF : 2073518.7/41

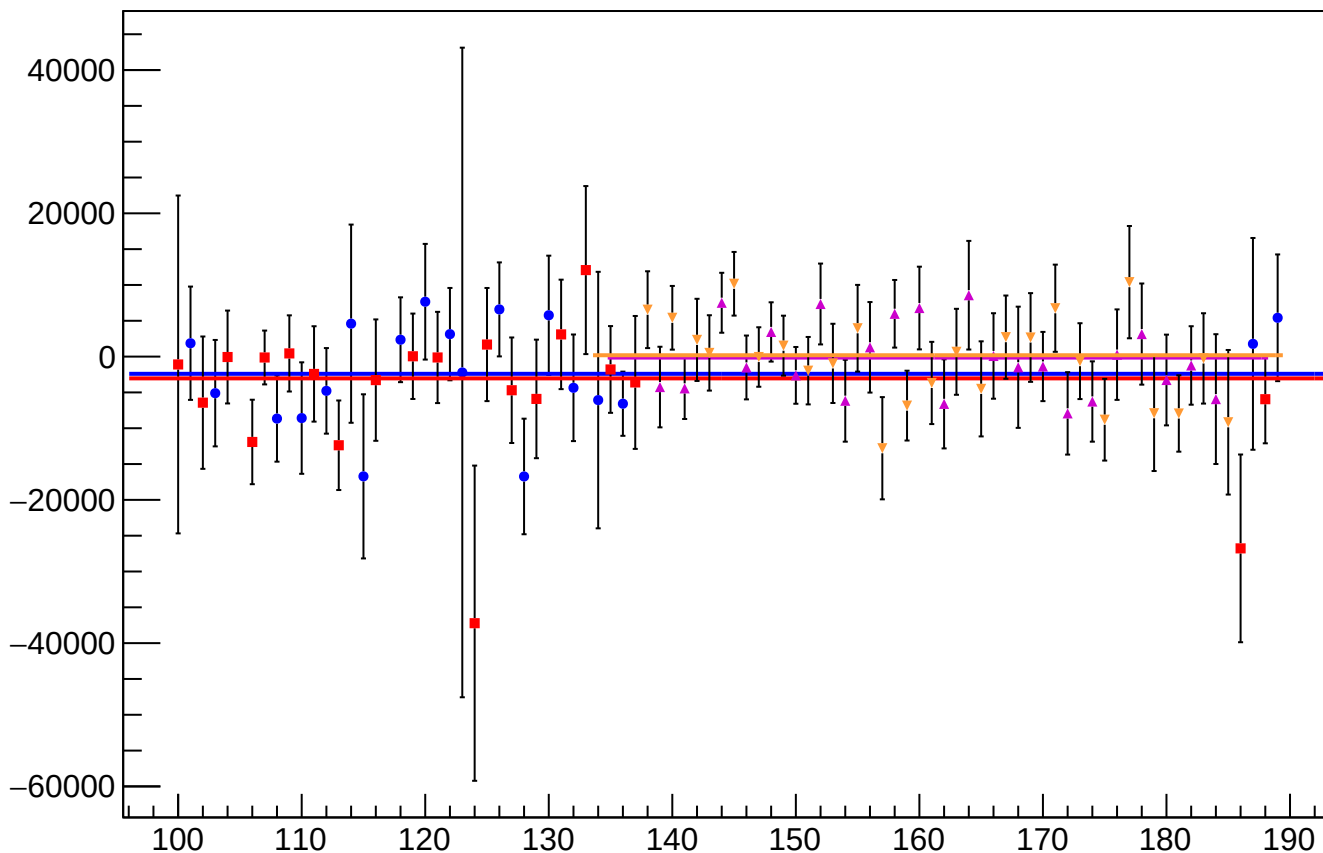
Out: 1242.786+/-0.292

χ^2/NDF : 34579887.6/45

All: 1790.399+/-0.263

χ^2/NDF : 55422348.7/8

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2403.730 ± 1743.446 $\chi^2/\text{NDF}: 14.9/18$

Left Out: 189.721 ± 1106.851 $\chi^2/\text{NDF}: 25.0/24$

Right Out: -3040.699 ± 1518.294 $\chi^2/\text{NDF}: 15.2/20$

Left In: -137.477 ± 1129.656 $\chi^2/\text{NDF}: 18.6/22$

Left: 29.458 ± 790.601 $\chi^2/\text{NDF}: 43.6/47$

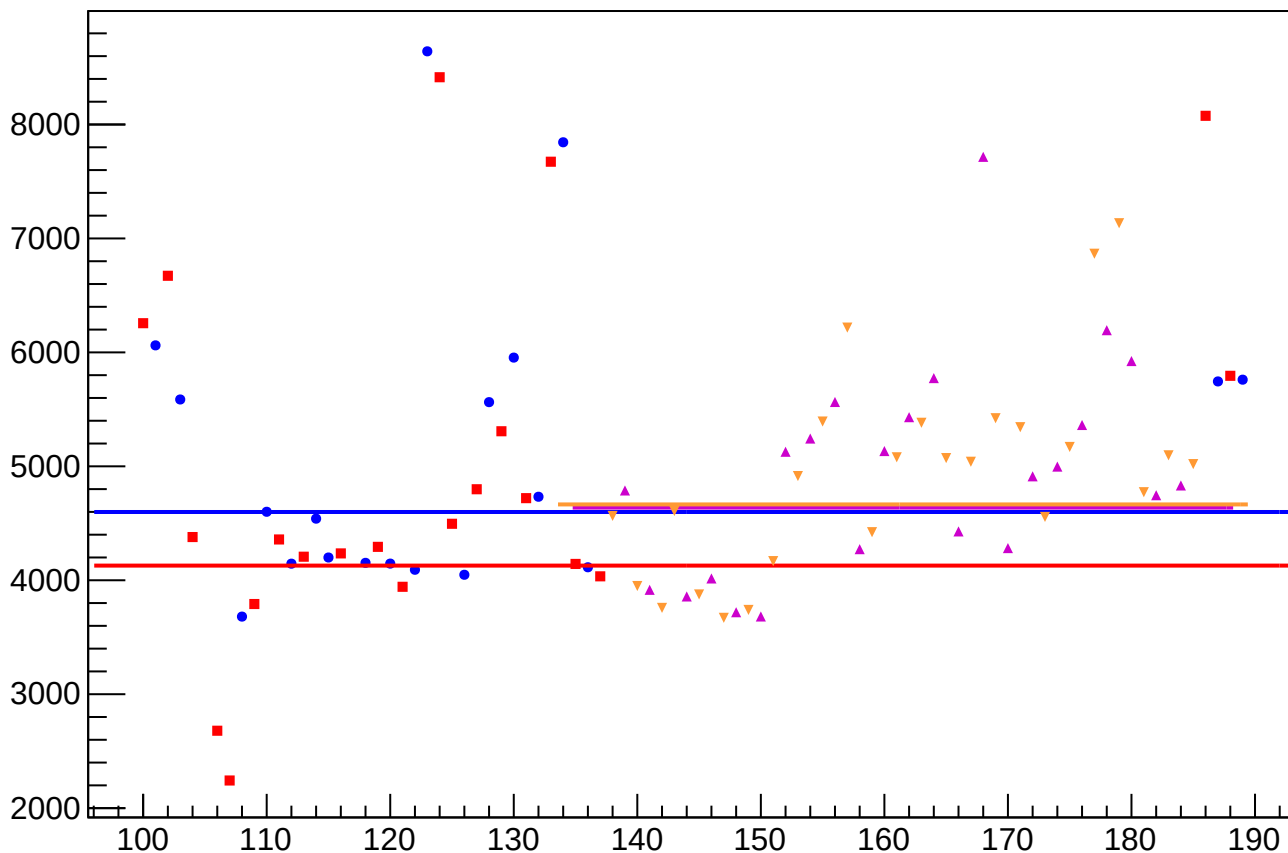
Right: -2765.975 ± 1144.980 $\chi^2/\text{NDF}: 30.1/39$

In: -807.589 ± 948.042 $\chi^2/\text{NDF}: 34.7/41$

Out: -931.320 ± 894.411 $\chi^2/\text{NDF}: 43.1/45$

All: -873.053 ± 650.578 $\chi^2/\text{NDF}: 77.8/87$

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4599.219+/-1.233 χ^2/NDF : 442299.0/18

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

Right Out: 4128.724+/-1.067 χ^2/NDF : 1491847.2/20

Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

Left: 4651.983+/-0.559 χ^2/NDF : 2083072.1/47

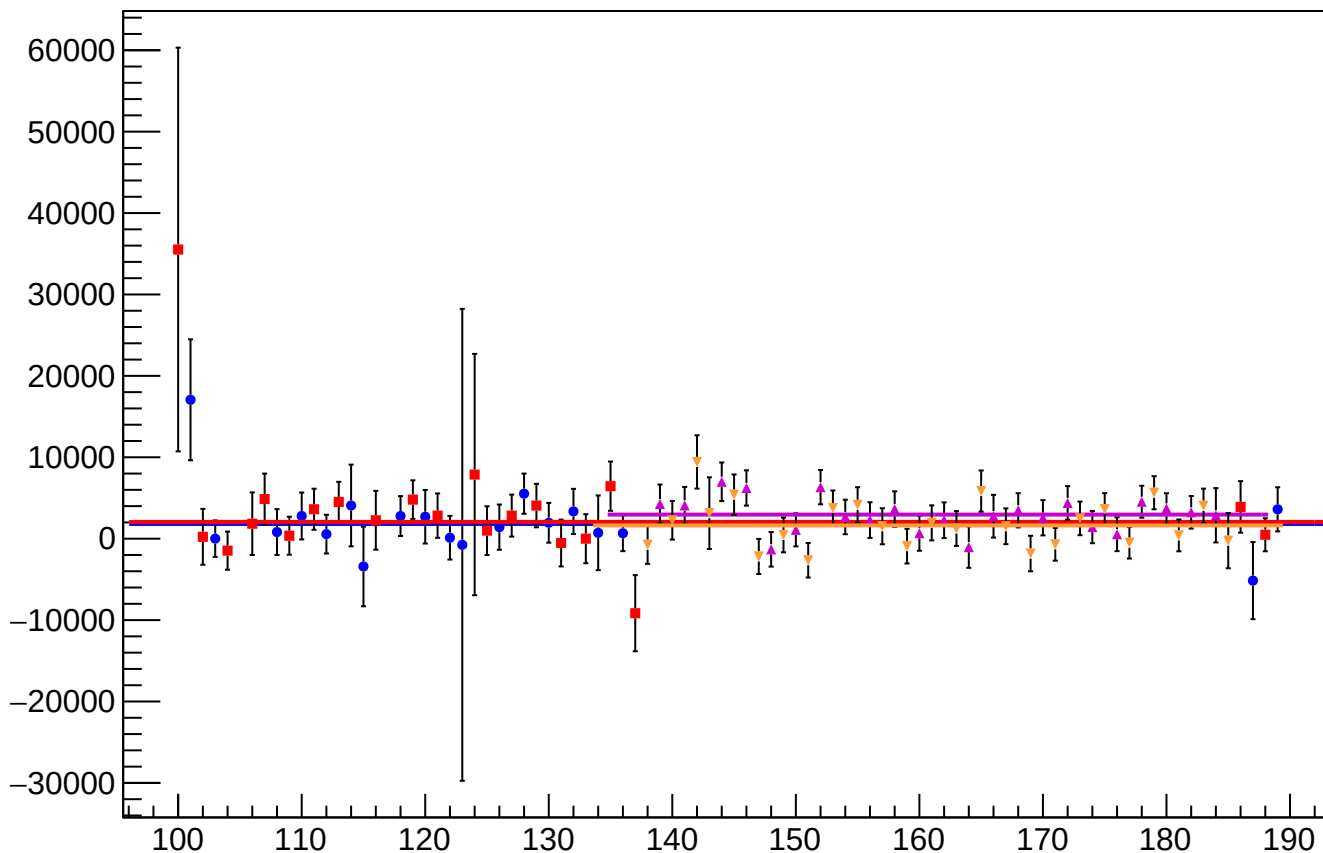
Right: 4330.274+/-0.807 χ^2/NDF : 2017405.4/39

In: 4626.376+/-0.670 χ^2/NDF : 1508205.1/41

Out: 4477.850+/-0.631 χ^2/NDF : 2673658.5/45

All: 4547.640+/-0.460 χ^2/NDF : 4207886.3/87

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left: 2284.557 $\pm$ 318.438 χ^2 /NDF: 60.2/47

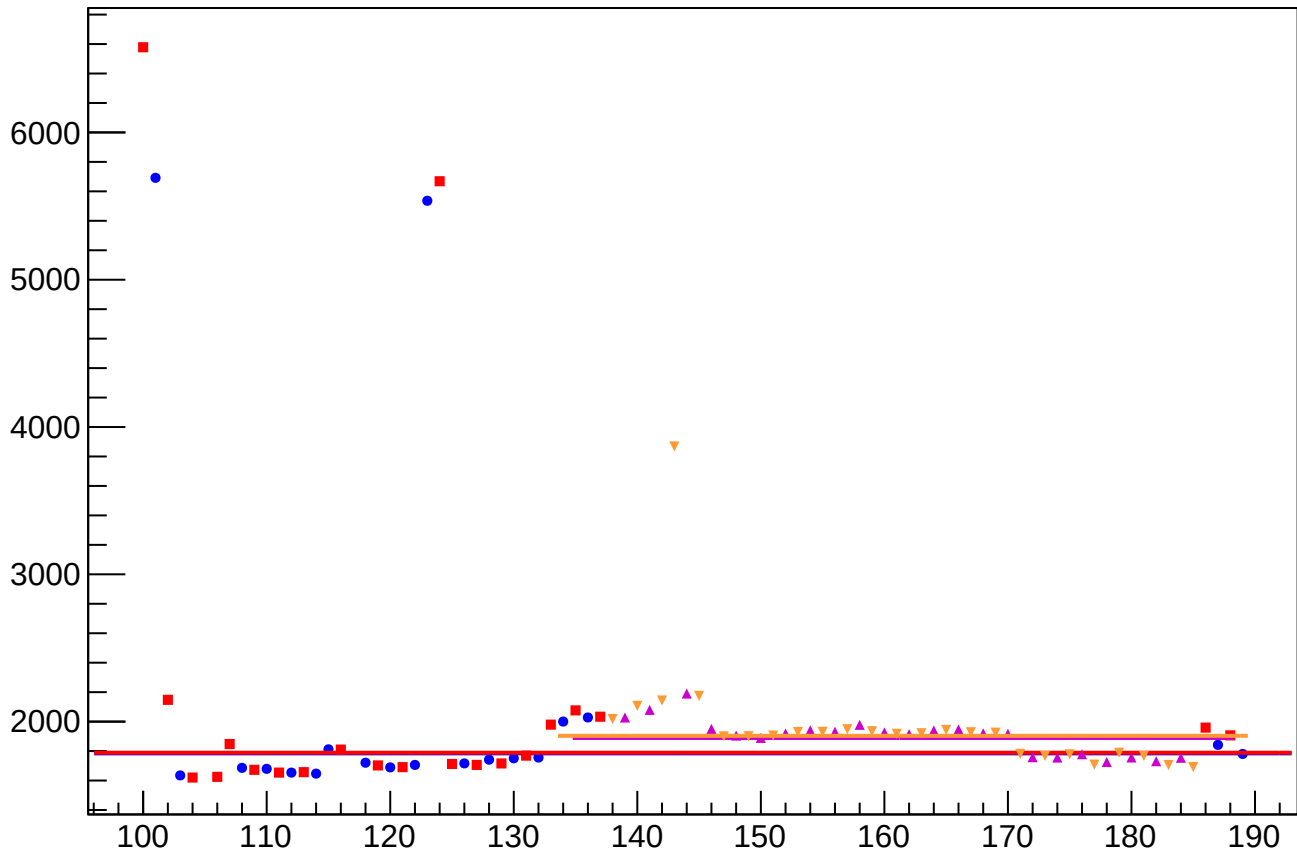
Right: 1943.911 $\pm$ 465.534 χ^2 /NDF: 32.5/39

In: 2606.590 $\pm$ 377.830 χ^2 /NDF:35.3/41

Out: 1772.215 $\pm$ 365.859 χ^2 /NDF:55.3/45

All: 2175.976 $\pm$ 262.832 χ^2 /NDF: 93.0/87

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1784.518+/-0.483 χ^2/NDF : 644931.0/18

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1788.818+/-0.447 χ^2/NDF : 320506.4/20

Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

Left: 1896.381+/-0.225 χ^2/NDF : 669056.9/47

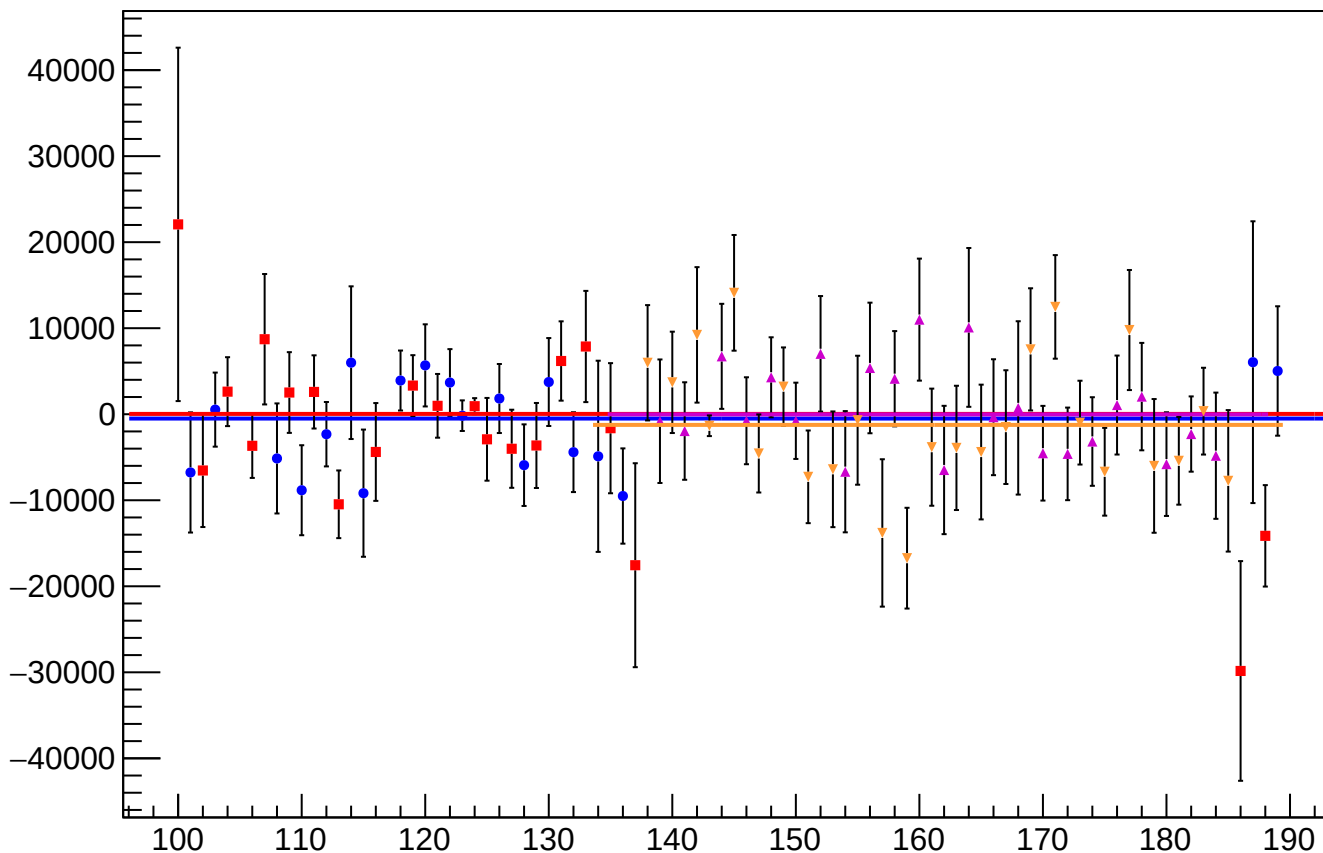
Right: 1786.830+/-0.328 χ^2/NDF : 965480.2/39

In: 1856.931+/-0.267 χ^2/NDF : 803808.1/41

Out: 1865.398+/-0.258 χ^2/NDF : 905988.4/45

All: 1861.309+/-0.186 χ^2/NDF : 1710315.9/87

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -503.380 ± 1000.107 $\chi^2/\text{NDF}: 17.1/18$

Left Out: -1239.833 ± 865.201 $\chi^2/\text{NDF}: 33.9/24$

Right Out: 36.399 ± 719.293 $\chi^2/\text{NDF}: 33.6/20$

Left In: -15.863 ± 1243.317 $\chi^2/\text{NDF}: 13.2/22$

Left: -840.501 ± 710.172 $\chi^2/\text{NDF}: 47.8/47$

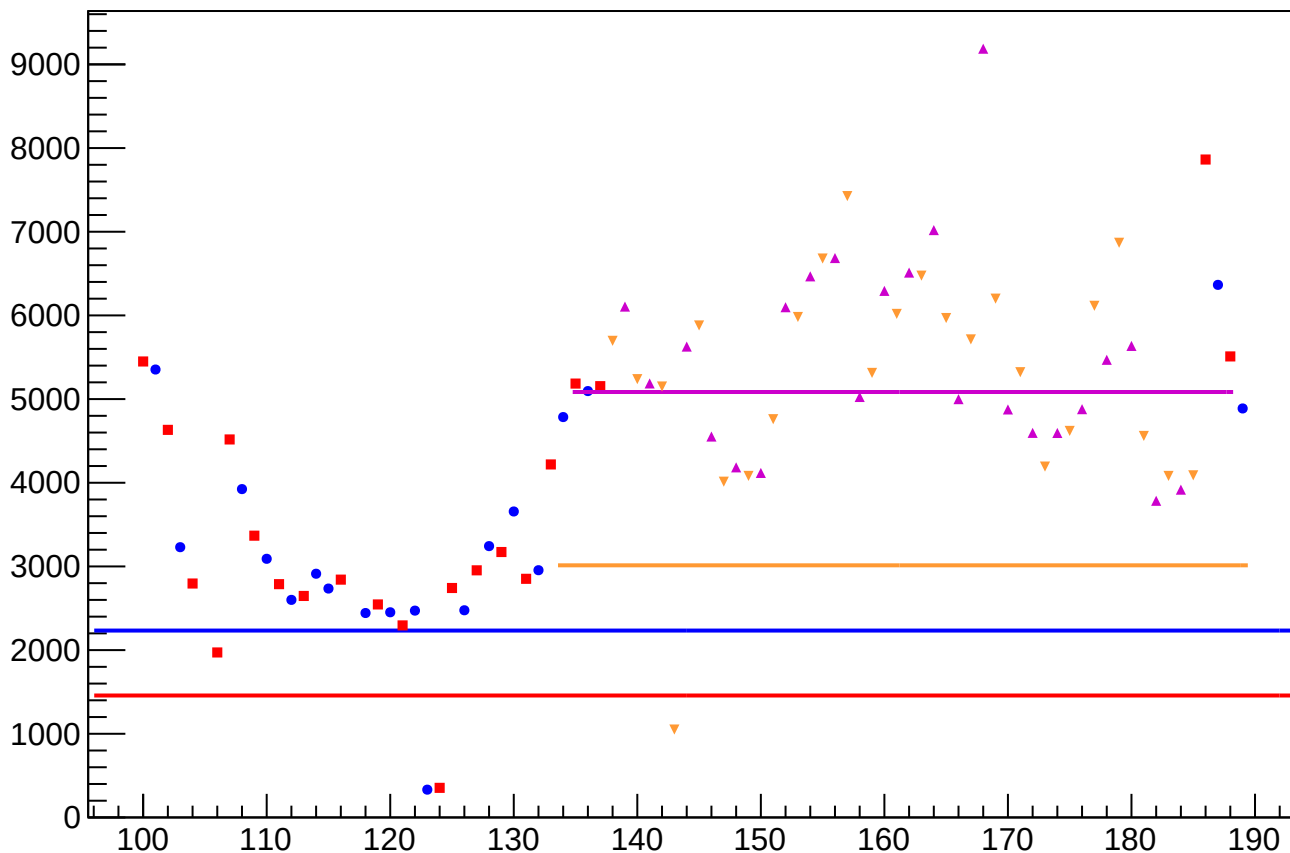
Right: -147.624 ± 583.948 $\chi^2/\text{NDF}: 50.9/39$

In: -311.860 ± 779.282 $\chi^2/\text{NDF}: 30.4/41$

Out: -485.183 ± 553.113 $\chi^2/\text{NDF}: 68.8/45$

All: -427.118 ± 451.047 $\chi^2/\text{NDF}: 99.2/87$

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



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

Left: 3689.075 $\pm$ 0.502 χ^2 /NDF: 17314385.8/47

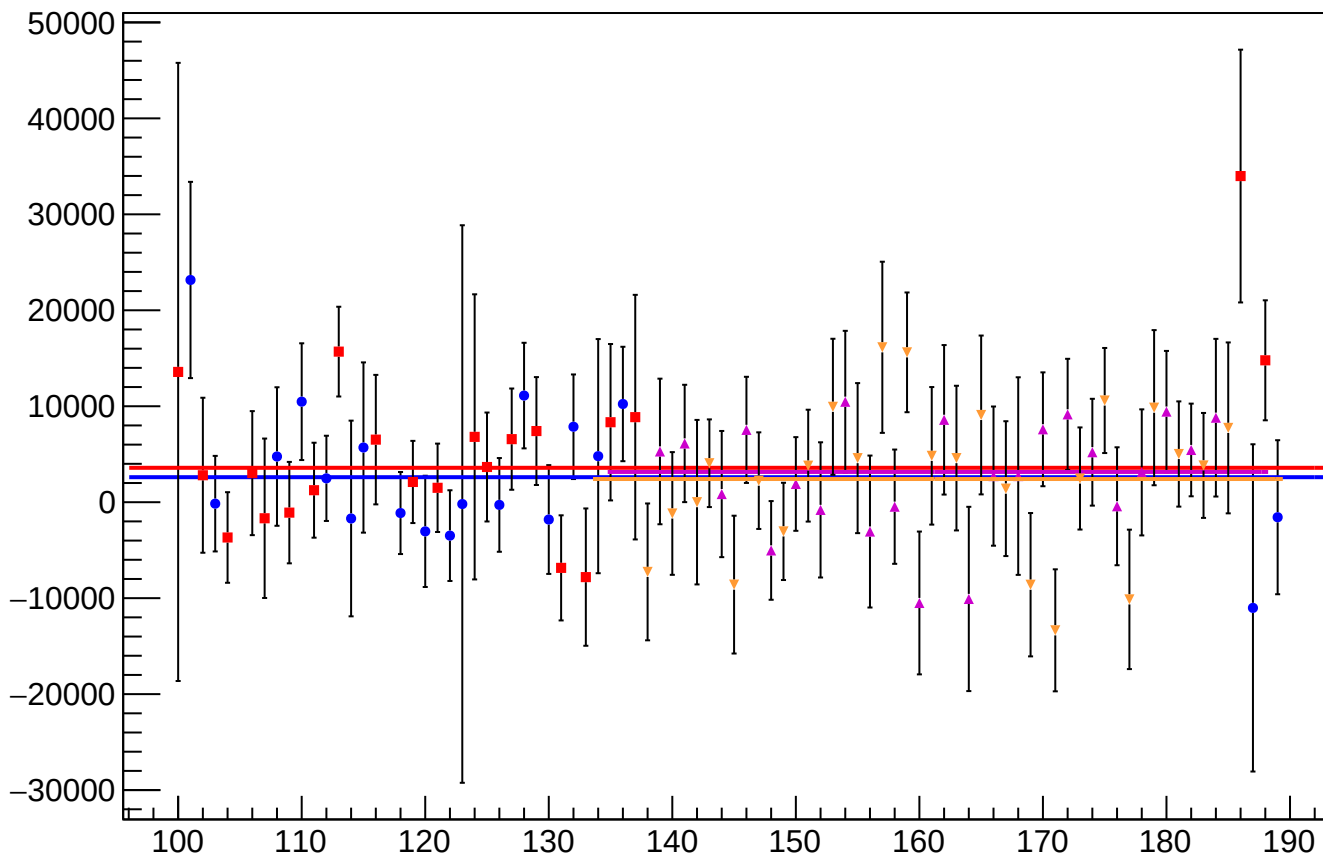
Right: 1722.089 $\pm$ 0.413 χ^2 /NDF: 13468717.5/39

In: 3353.633 $\pm$ 0.551 χ^2 /NDF:12051066.0/41

Out: 2093.323 $\pm$ 0.391 χ^2 /NDF:24407174.9/45

All: 2515.536 $\pm$ 0.319 χ^2 /NDF: 39936903.1/8

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left: 2771.054+/-927.151 χ^2/NDF : 45.5/47

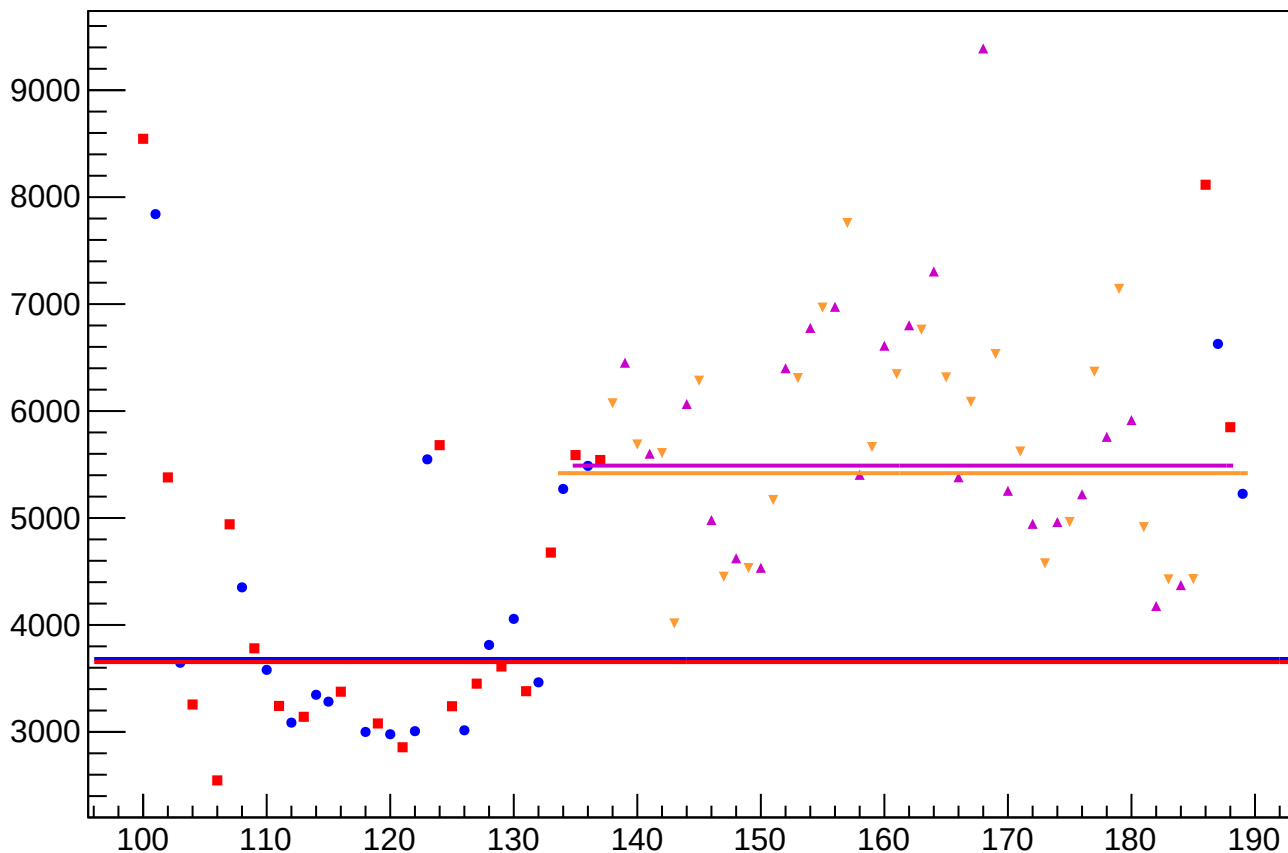
Right: 3124.963+/-977.122 χ^2/NDF : 44.0/39

In: 2897.437+/-974.849 χ^2/NDF : 32.2/41

Out: 2976.234+/-929.106 χ^2/NDF : 57.4/45

All: 2938.727+/-672.567 χ^2/NDF : 89.6/87

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3681.931 $\pm$ 1.007 χ^2 /NDF: 921834.5/18

Left Out: 5419.305 $\pm$ 0.910 χ^2 /NDF: 1109972.1/24

Right Out: 3652.992 $\pm$ 0.937 χ^2 /NDF: 1162796.6/20

Left In: 5489.885 $\pm$ 0.946 χ^2 /NDF: 1064353.3/22

Left: 5453.227 $\pm$ 0.656 χ^2 /NDF: 2177218.7/47

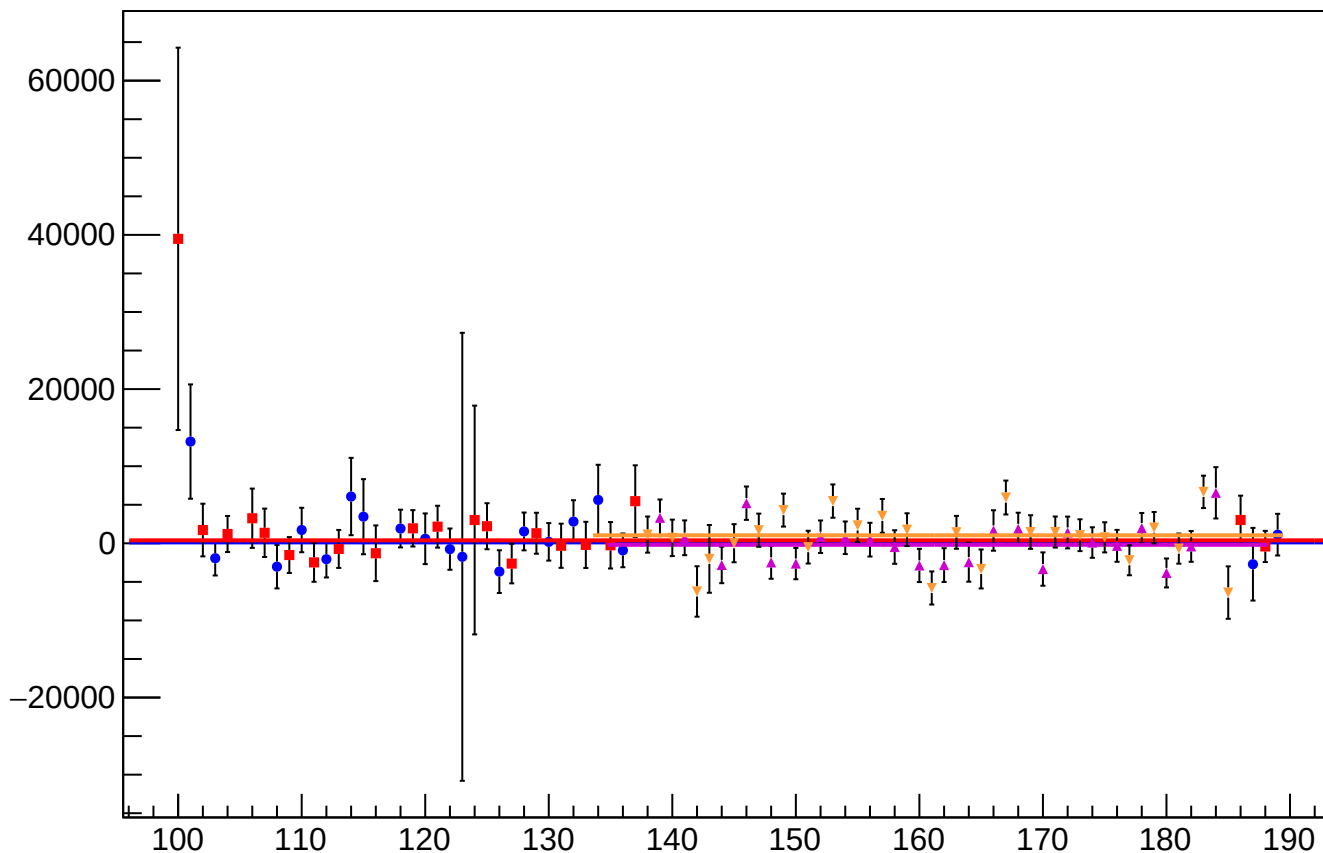
Right: 3666.427 $\pm$ 0.686 χ^2 /NDF: 2085073.7/39

In: 4642.551 $\pm$ 0.689 χ^2 /NDF: 3699213.1/41

Out: 4562.551 $\pm$ 0.653 χ^2 /NDF: 4101485.4/45

All: 4600.375 $\pm$ 0.474 χ^2 /NDF: 7807799.5/87

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

Left: 433.980 $\pm$ 317.925 χ^2 /NDF: 82.3/47

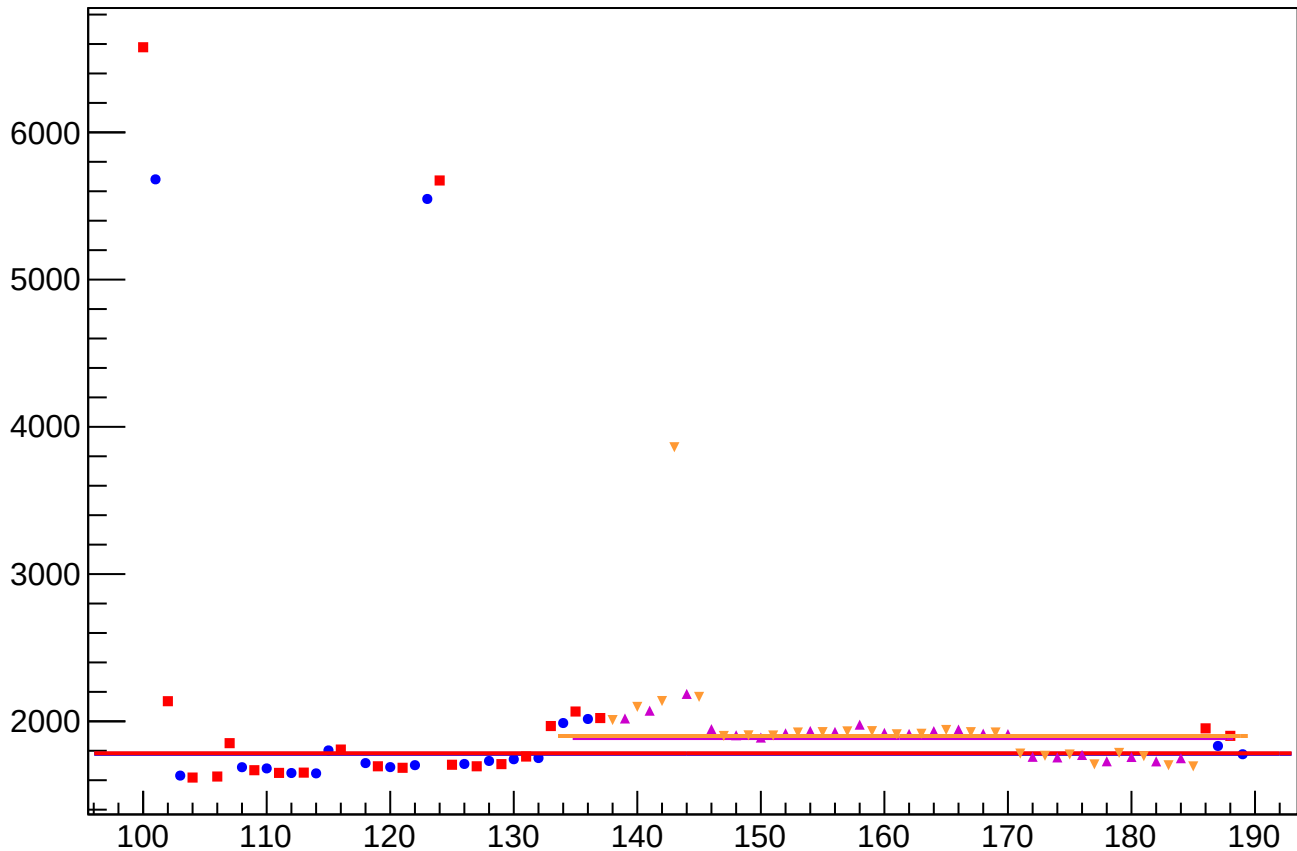
Right: 263.082 $\pm$ 464.038 χ^2 /NDF: 25.1/39

In: -95.920 $\pm$ 377.116 χ^2 /NDF:44.4/41

Out: 824.648 $\pm$ 365.002 χ^2 /NDF:60.0/45

All: 379.386 $\pm$ 262.274 χ^2 /NDF: 107.5/87

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1779.227+/-0.481 χ^2/NDF : 643247.4/18

Left Out: 1900.295+/-0.316 χ^2/NDF : 537892.5/24

Right Out: 1782.859+/-0.446 χ^2/NDF : 319949.4/20

Left In: 1886.378+/-0.320 χ^2/NDF : 123520.6/22

Left: 1893.441+/-0.225 χ^2/NDF : 662371.1/47

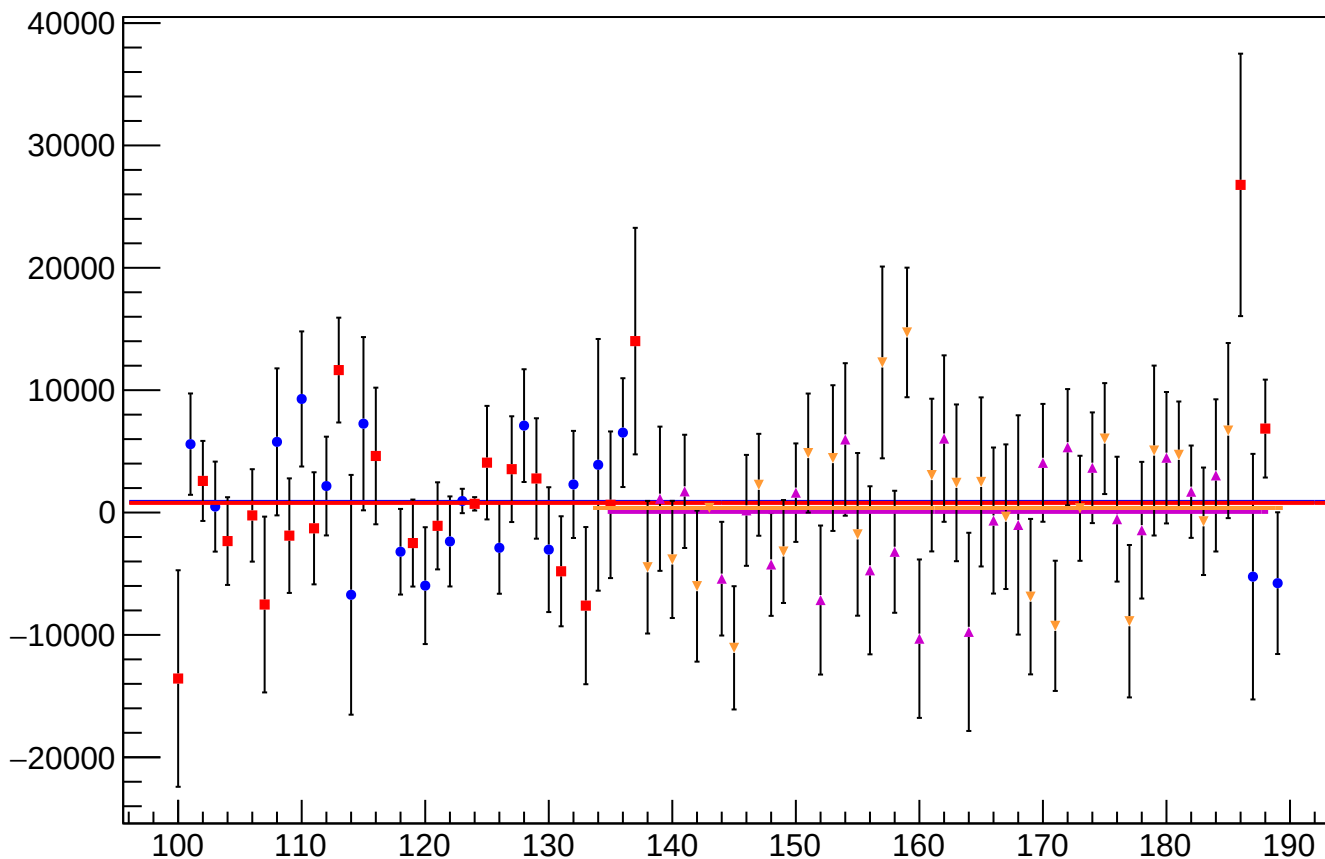
Right: 1781.181+/-0.327 χ^2/NDF : 963227.4/39

In: 1853.468+/-0.267 χ^2/NDF : 801127.3/41

Out: 1861.117+/-0.258 χ^2/NDF : 904049.0/45

All: 1857.425+/-0.185 χ^2/NDF : 1705602.0/87

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



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

Left: 338.236+/-360.558 χ^2/NDF : 45.4/47

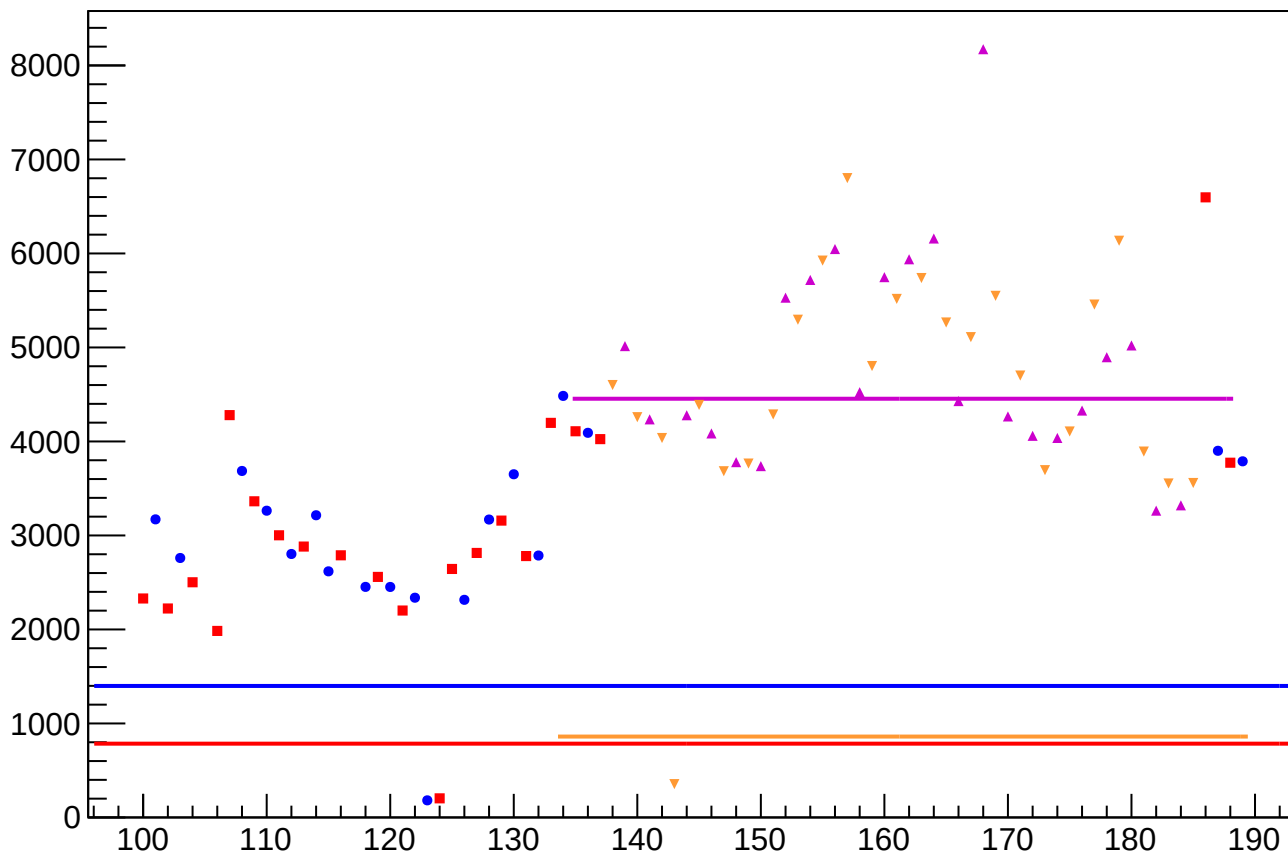
Right: 812.124+/-405.972 χ^2/NDF : 45.1/39

In: 609.246+/-615.023 χ^2/NDF :31.8/41

Out: 532.446+/-299.935 χ^2/NDF :59.5/45

All: 547.202+/-269.585 χ^2/NDF : 91.3/87

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1399.010 $\pm$ 0.527 χ^2 /NDF: 7310849.4/18

Left Out: 860.545 $\pm$ 0.270 χ^2 /NDF: 26340106.5/24

Right Out: 785.005 $\pm$ 0.342 χ^2 /NDF: 11211369.4/20

Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

Left: 1253.867 $\pm$ 0.255 χ^2 /NDF: 47056303.3/47

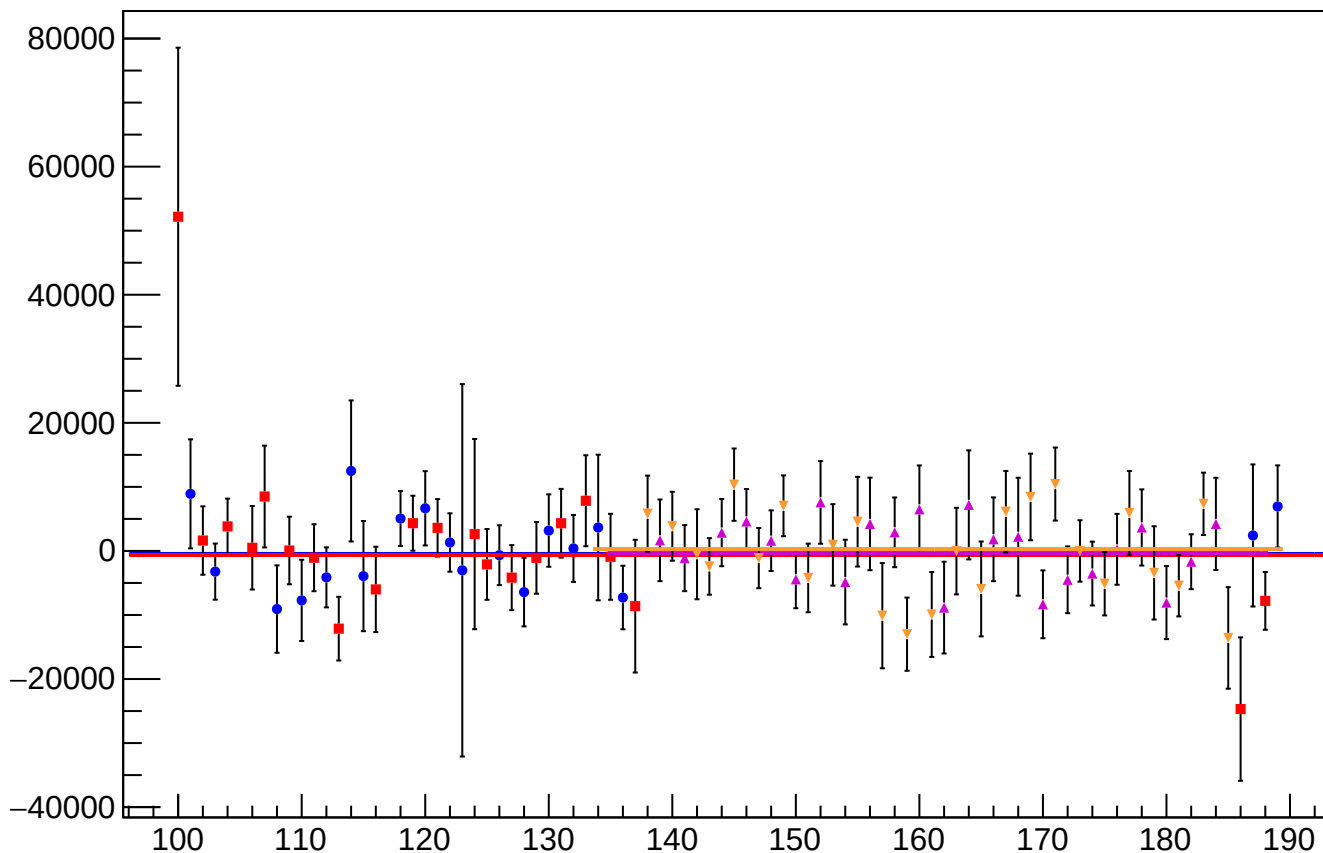
Right: 967.348 $\pm$ 0.287 χ^2 /NDF: 19477364.4/39

In: 2371.951 $\pm$ 0.435 χ^2 /NDF: 19373535.3/41

Out: 831.558 $\pm$ 0.212 χ^2 /NDF: 37581476.3/45

All: 1127.523 $\pm$ 0.191 χ^2 /NDF: 67090581.5/8

asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

Left: -11.273+/-830.984 χ^2/NDF : 47.2/47

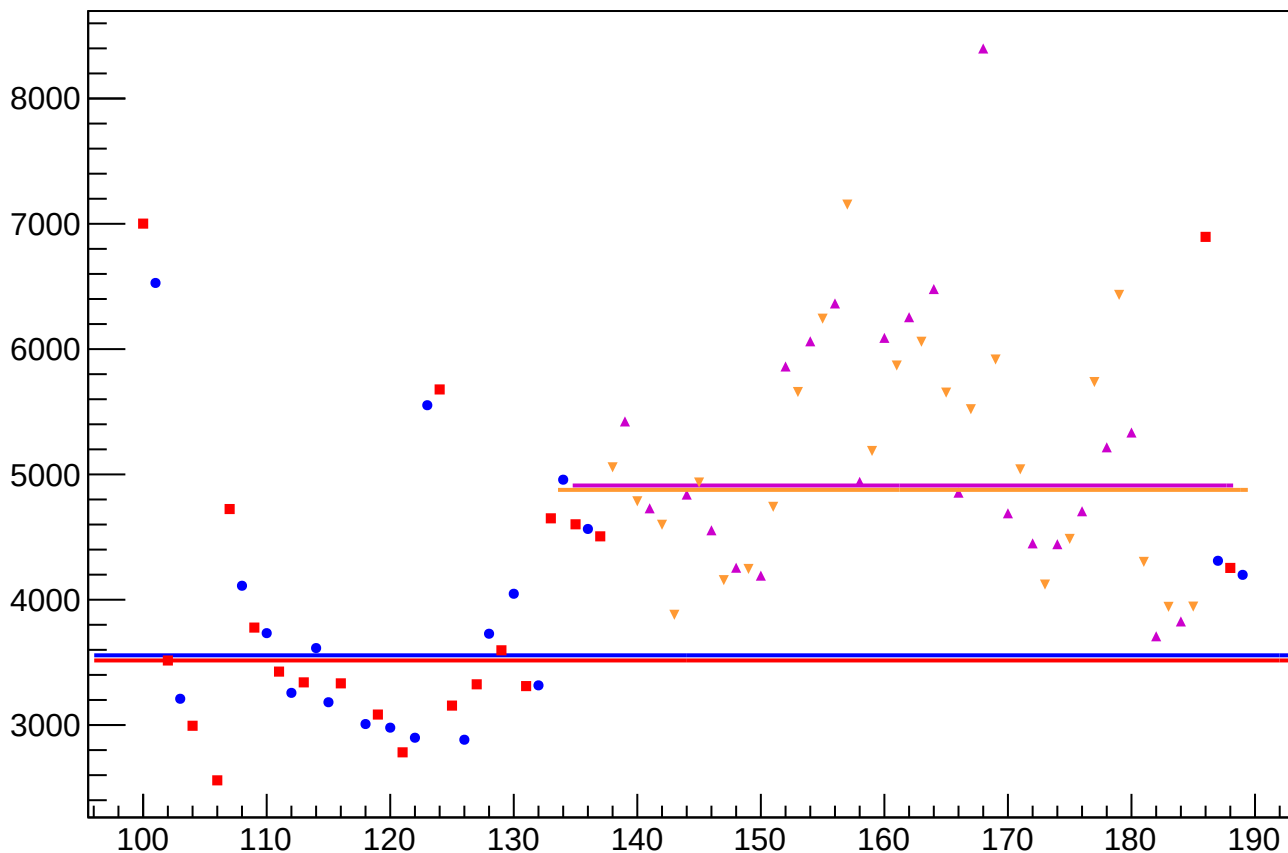
Right: -561.868+/-927.578 χ^2/NDF : 40.6/39

In: -394.346+/-897.416 χ^2/NDF : 29.8/41

Out: -131.291+/-854.759 χ^2/NDF : 58.2/45

All: -256.418+/-618.937 χ^2/NDF : 88.0/87

asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

Left: 4893.451 $\pm$ 0.588 χ^2 /NDF: 2016577.8/47

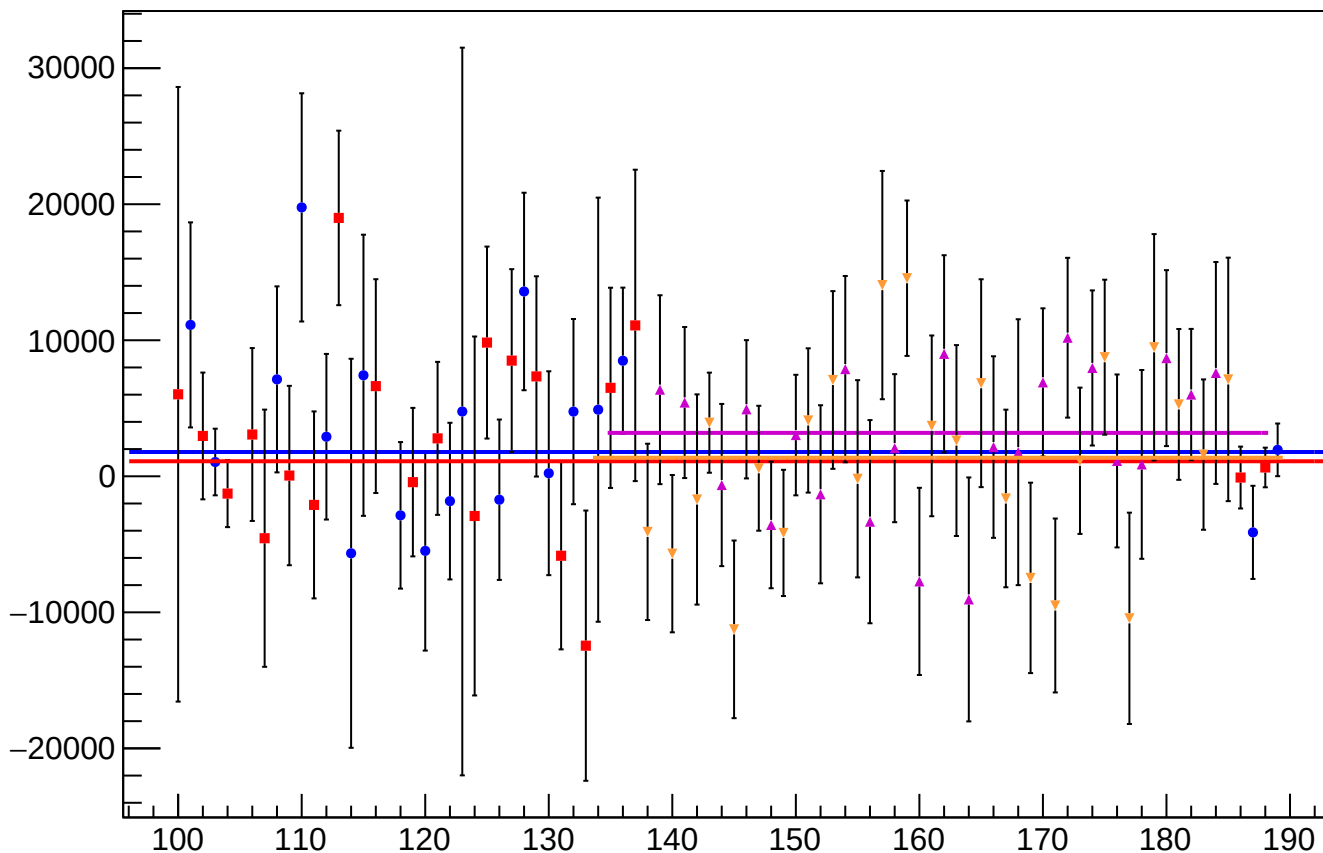
Right: 3534.249 $\pm$ 0.652 χ^2 /NDF: 1271179.0/39

In: 4319.340 $\pm$ 0.635 χ^2 /NDF: 2757235.0/41

Out: 4252.273 $\pm$ 0.601 χ^2 /NDF: 2923864.5/45

All: 4283.994 $\pm$ 0.436 χ^2 /NDF: 5686986.6/87

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 1785.681+/-1101.625 χ^2/NDF : 17.4/18

Left Out: 1365.082+/-1206.268 χ^2/NDF :28.0/24

Right Out: 1104.407+/-918.035 χ^2/NDF : 18.4/20

Left In: 3191.160+/-1270.021 χ^2/NDF :14.0/22

Left: 2231.138+/-874.630 χ^2/NDF : 43.0/47

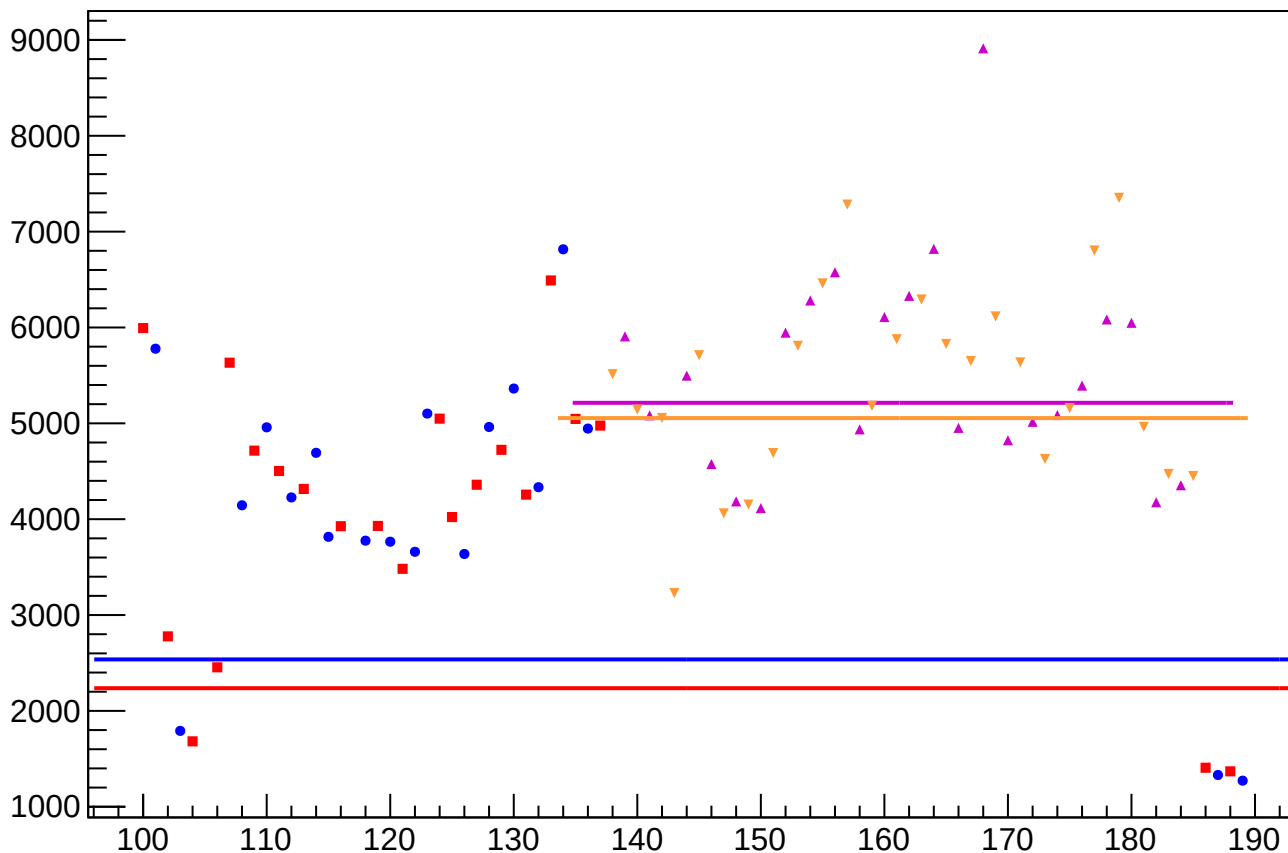
Right: 1383.623+/-705.250 χ^2/NDF : 36.0/39

In: 2389.127+/-832.181 χ^2/NDF :32.1/41

Out: 1200.015+/-730.534 χ^2/NDF :46.4/45

All: 1717.550+/-549.005 χ^2/NDF : 79.6/87

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

Left: 5130.314+/-0.618 χ^2/NDF : 2506291.2/47

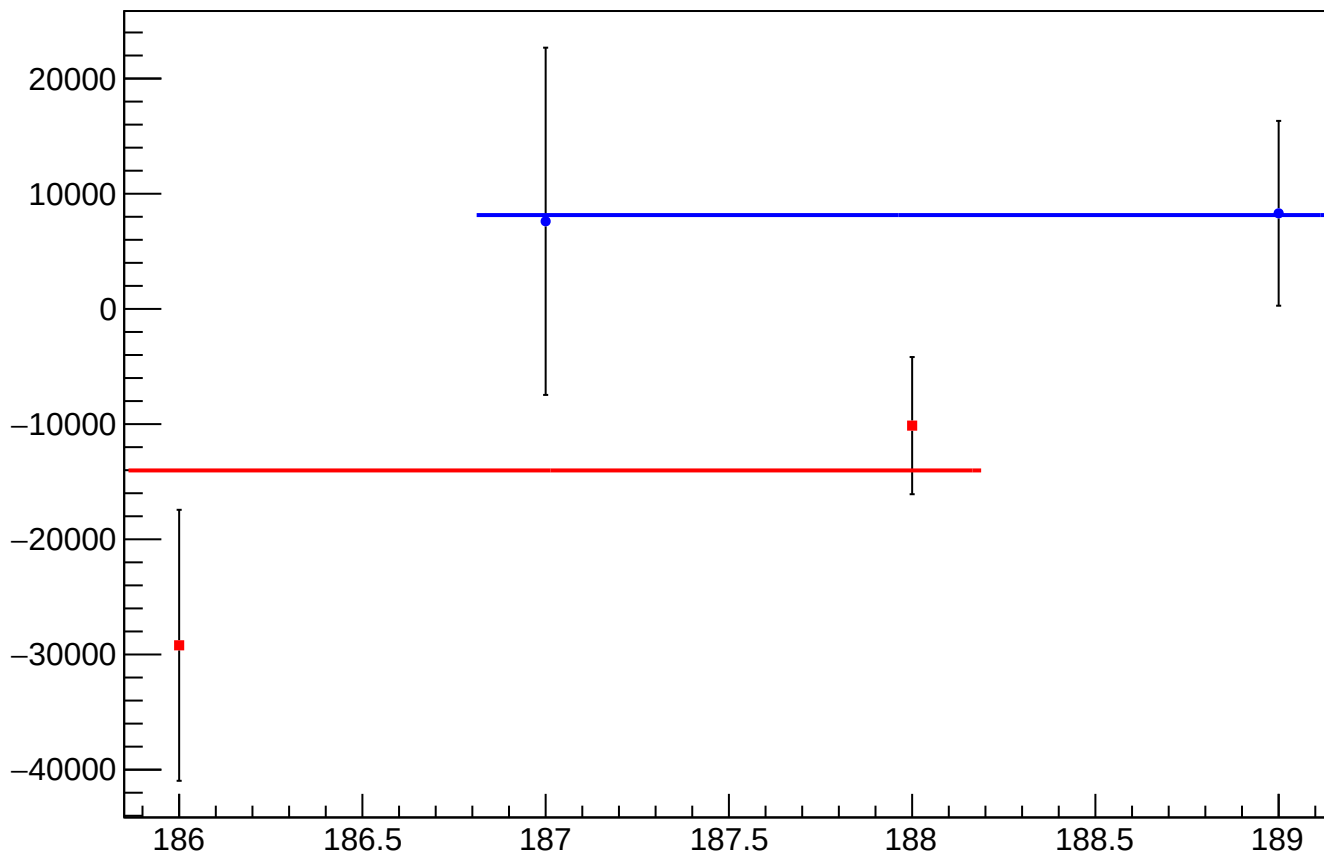
Right: 2359.222+/-0.497 χ^2/NDF : 7883204.0/39

In: 3686.351+/-0.588 χ^2/NDF : 9814907.6/41

Out: 3265.016+/-0.515 χ^2/NDF : 12473585.9/45

All: 3447.860+/-0.388 χ^2/NDF : 22578695.8/86

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

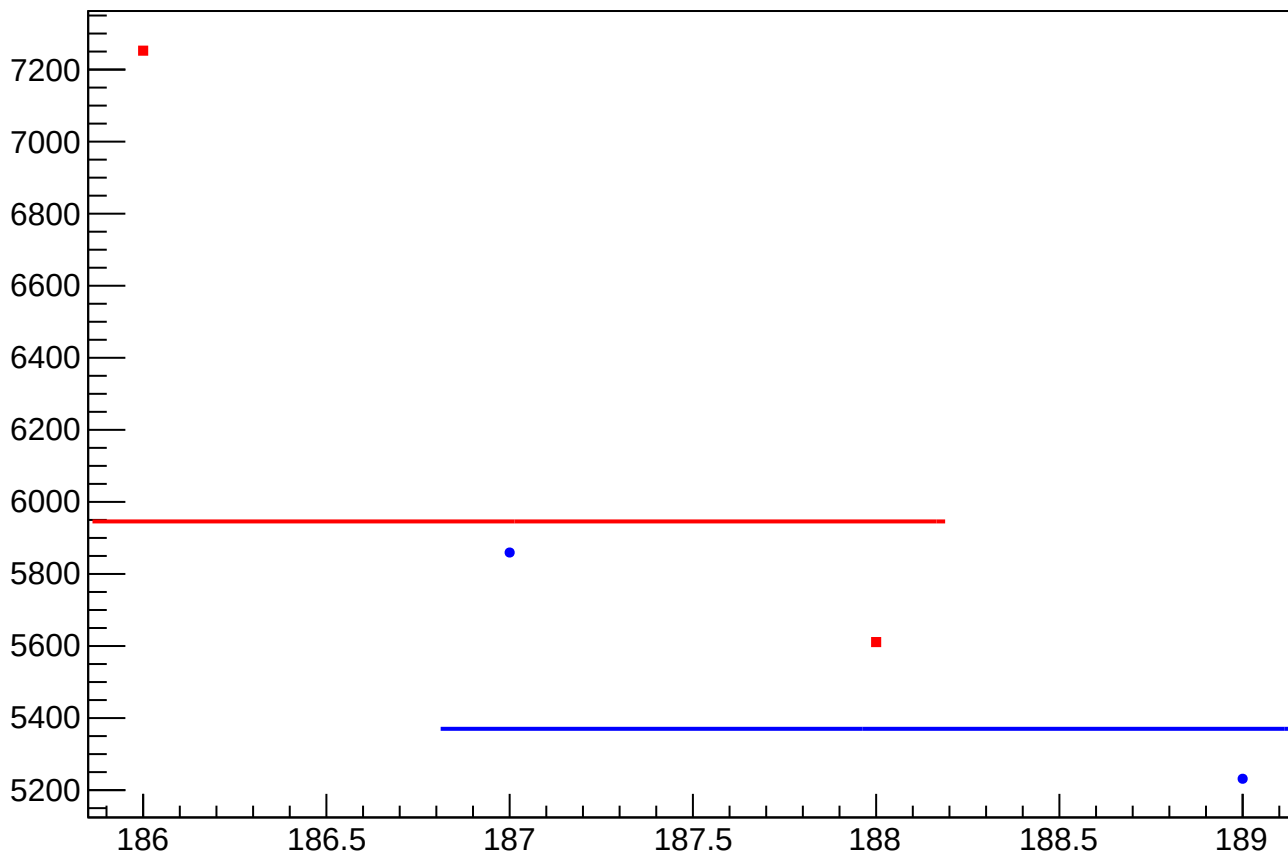
Right: -6037.833+/-4249.689 χ^2/NDF : 8.4/3

In: 8148.175+/-7081.731 χ^2/NDF : 0.0/1

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -6037.833+/-4249.689 χ^2/NDF : 8.4/3

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

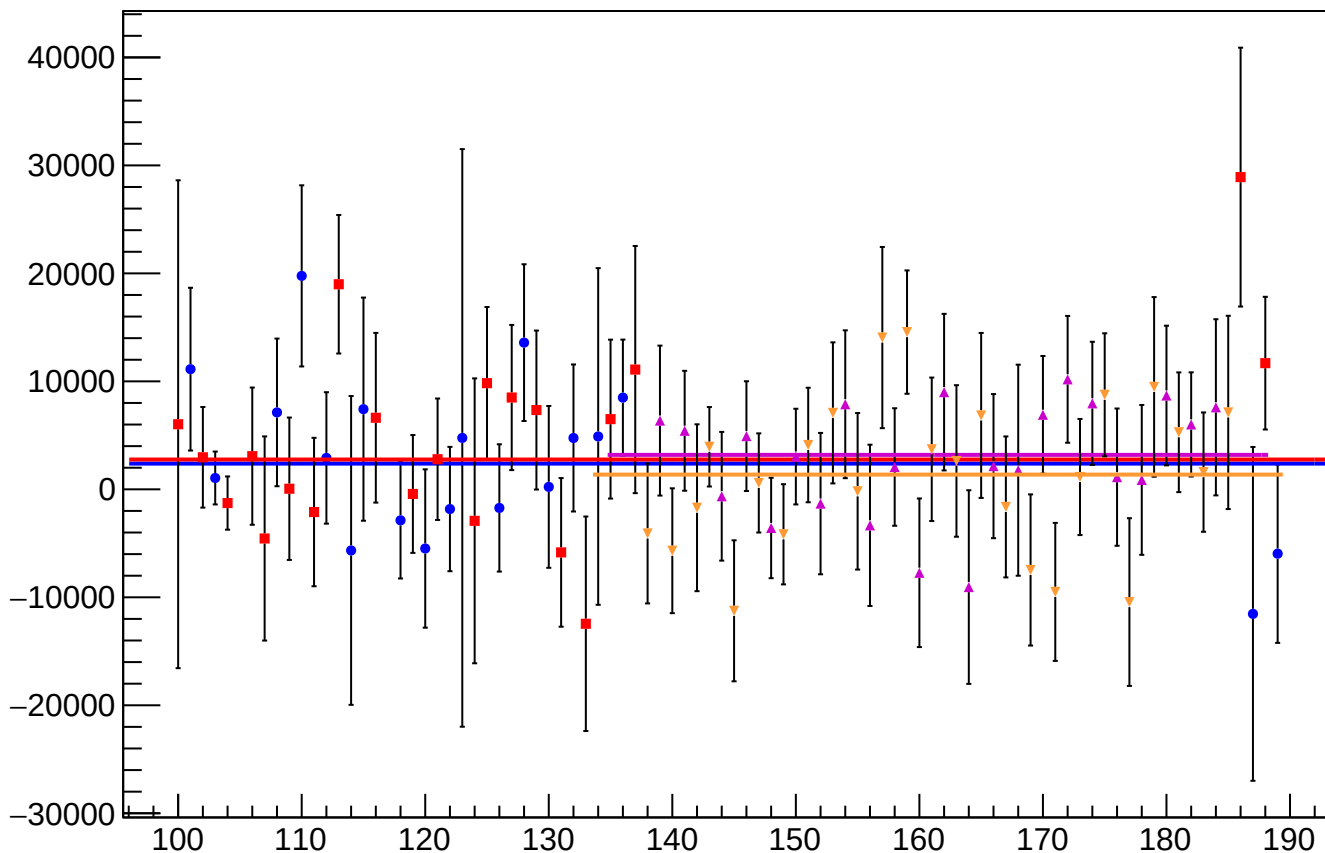
Right: 5738.518+/-3.005 χ^2/NDF : 42164.1/3

In: 5370.188+/-5.008 χ^2/NDF : 2704.9/1

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 5738.518+/-3.005 χ^2/NDF : 42164.1/3

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2382.584+/-1427.736 χ^2/NDF : 15.8/18

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: 2761.094+/-1341.625 χ^2/NDF : 24.8/20

Left In: 3191.160+/-1270.021 χ^2/NDF : 14.0/22

Left: 2231.138+/-874.630 χ^2/NDF : 43.0/47

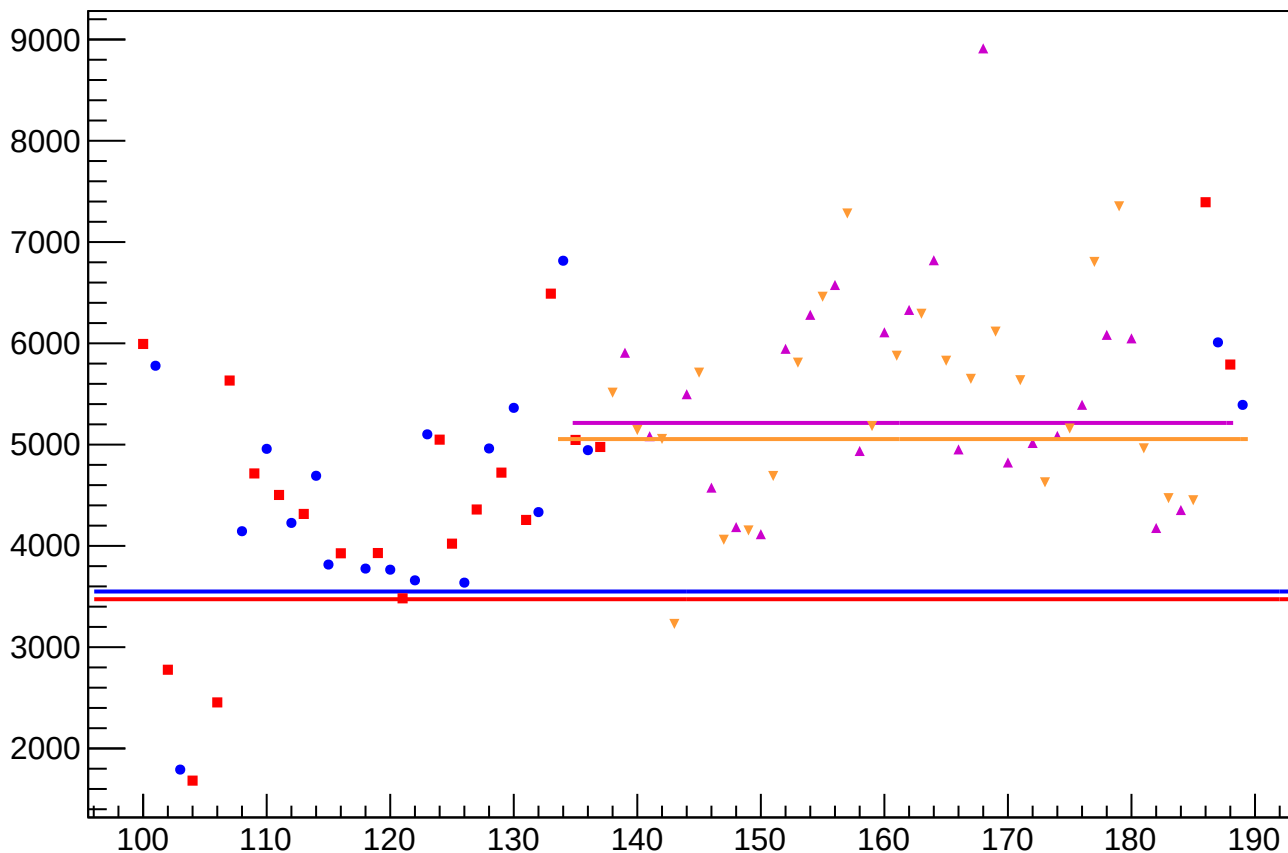
Right: 2583.597+/-977.698 χ^2/NDF : 40.7/39

In: 2833.981+/-948.921 χ^2/NDF : 30.0/41

Out: 1989.133+/-897.009 χ^2/NDF : 53.4/45

All: 2387.817+/-651.861 χ^2/NDF : 83.8/87

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3549.664+/-1.010 χ^2/NDF : 1921857.4/18

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 3473.514+/-0.940 χ^2/NDF : 2439444.0/20

Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

Left: 5130.314+/-0.618 χ^2/NDF : 2506291.2/47

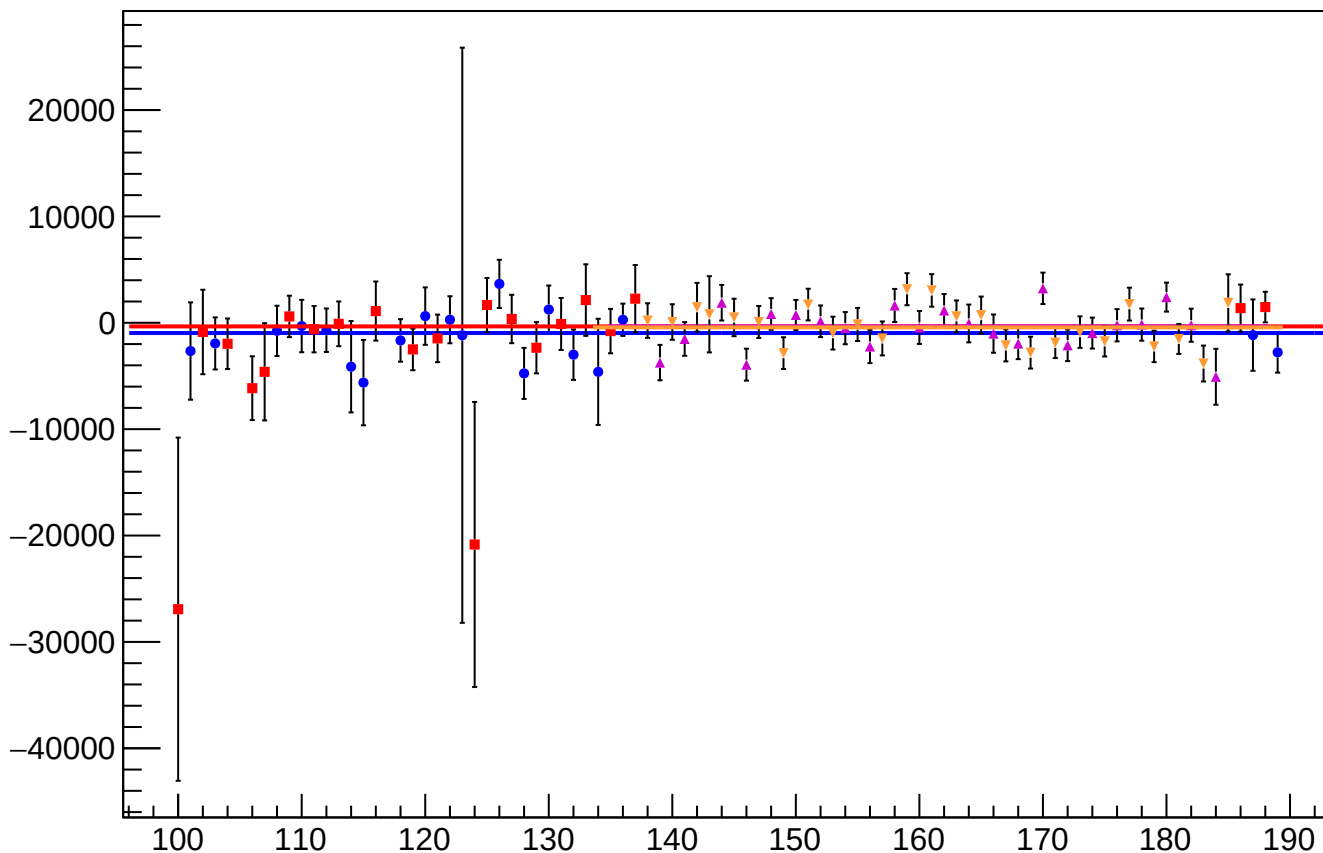
Right: 3508.896+/-0.688 χ^2/NDF : 4364347.4/39

In: 4478.847+/-0.671 χ^2/NDF : 4491859.7/41

Out: 4341.102+/-0.632 χ^2/NDF : 5427588.0/45

All: 4405.838+/-0.460 χ^2/NDF : 9941785.1/87

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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

Left: -388.248 $\pm$ 227.997 χ^2 /NDF: 66.9/47

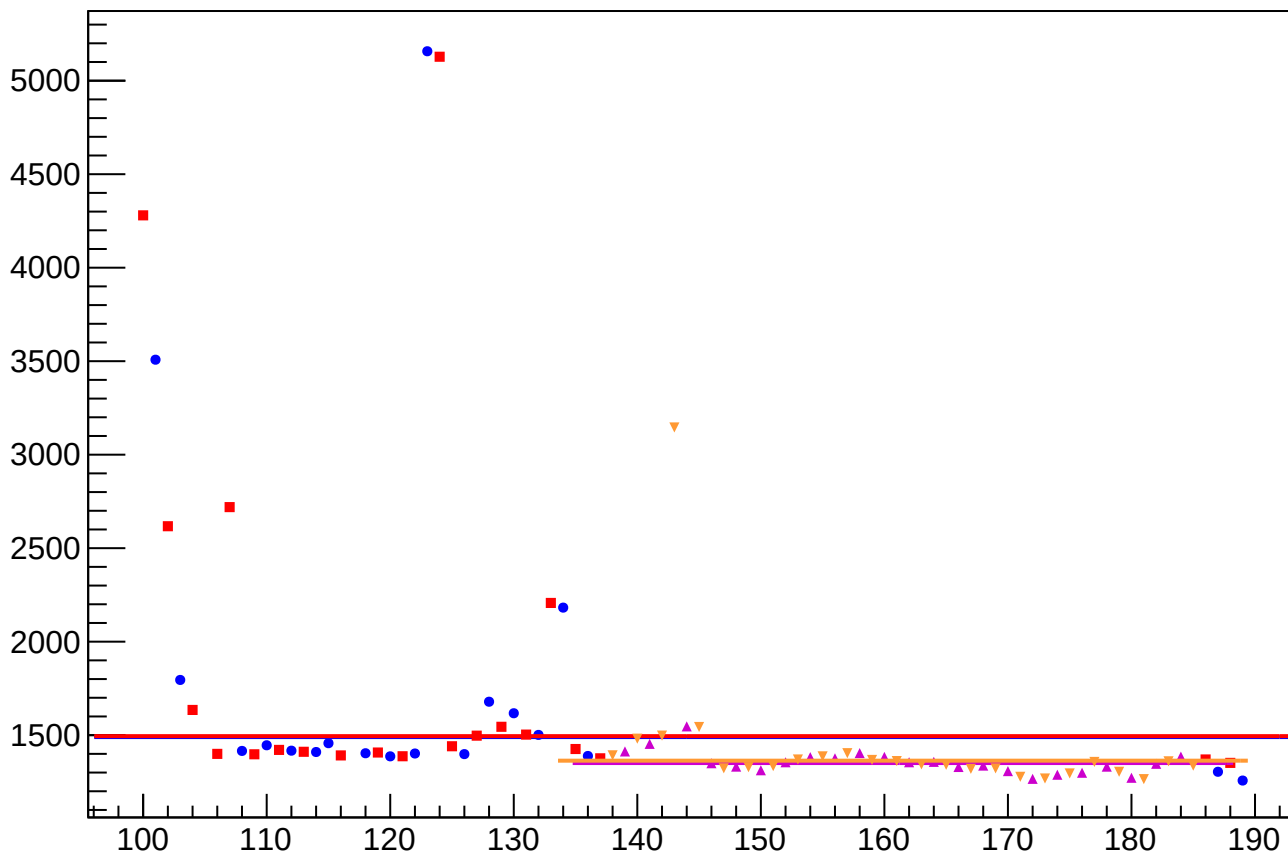
Right: -631.489 $\pm$ 389.678 χ^2 /NDF: 31.2/39

In: -495.526 $\pm$ 281.794 χ^2 /NDF:48.2/41

Out: -407.212 $\pm$ 274.936 χ^2 /NDF:50.2/45

All: -450.281 $\pm$ 196.789 χ^2 /NDF: 98.4/87

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



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

Left: 1357.310+/-0.161 χ^2/NDF : 643910.7/47

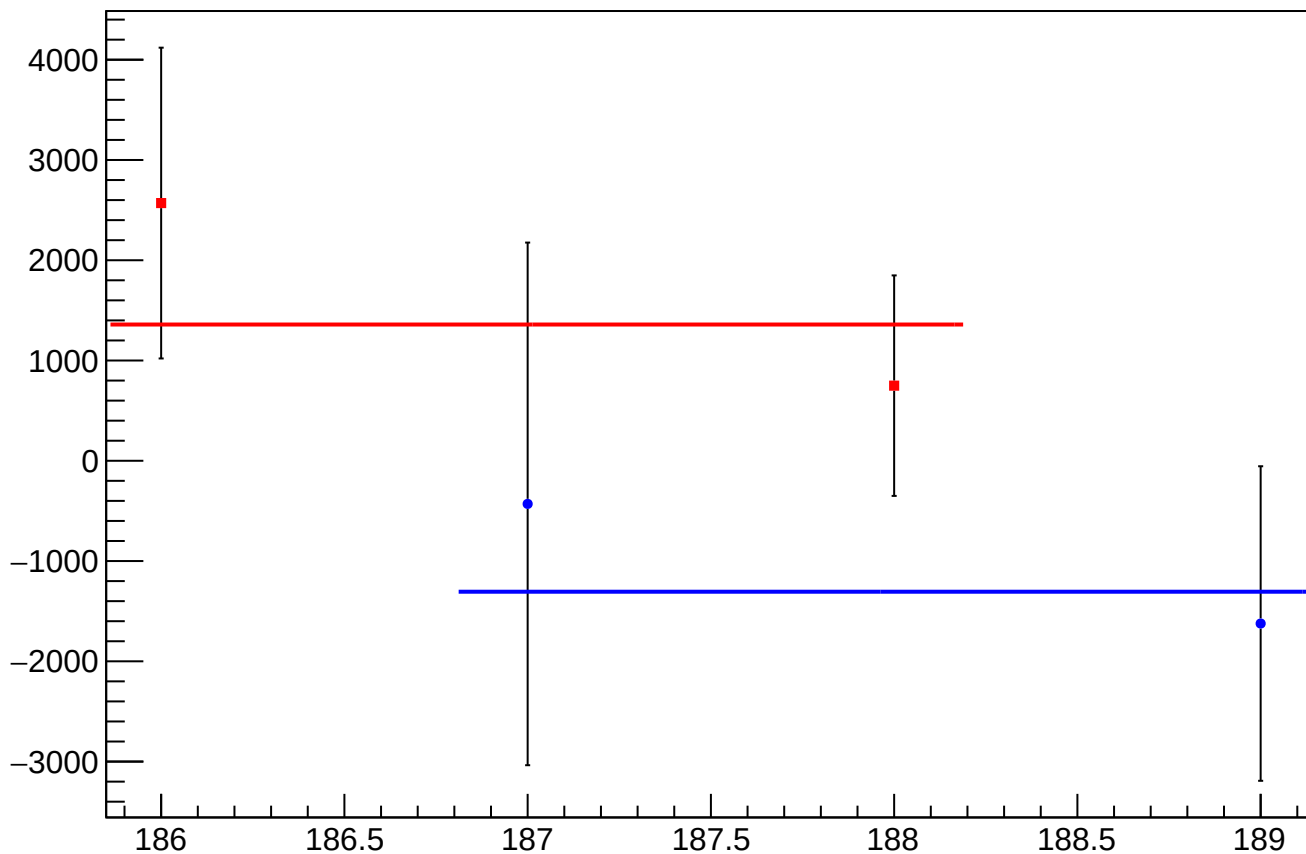
Right: 1492.434+/-0.276 χ^2/NDF : 1241810.9/39

In: 1384.980+/-0.199 χ^2/NDF : 735165.0/41

Out: 1398.235+/-0.194 χ^2/NDF : 1327442.9/45

All: 1391.771+/-0.139 χ^2/NDF : 2064875.1/87

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

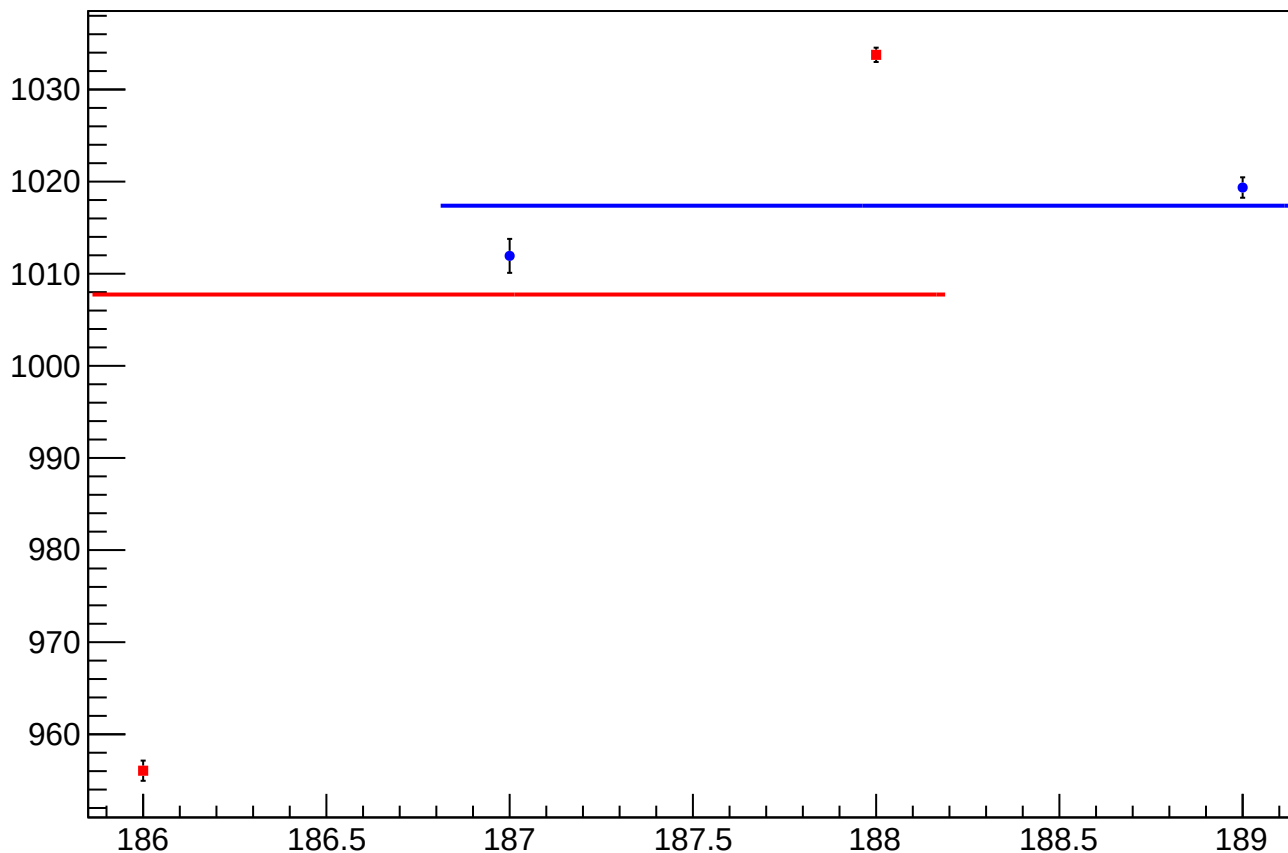
Right: 537.890+/-745.979 χ^2/NDF : 3.8/3

In: -1305.933+/-1343.931 χ^2/NDF : 0.2/1

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 537.890+/-745.979 χ^2/NDF : 3.8/3

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

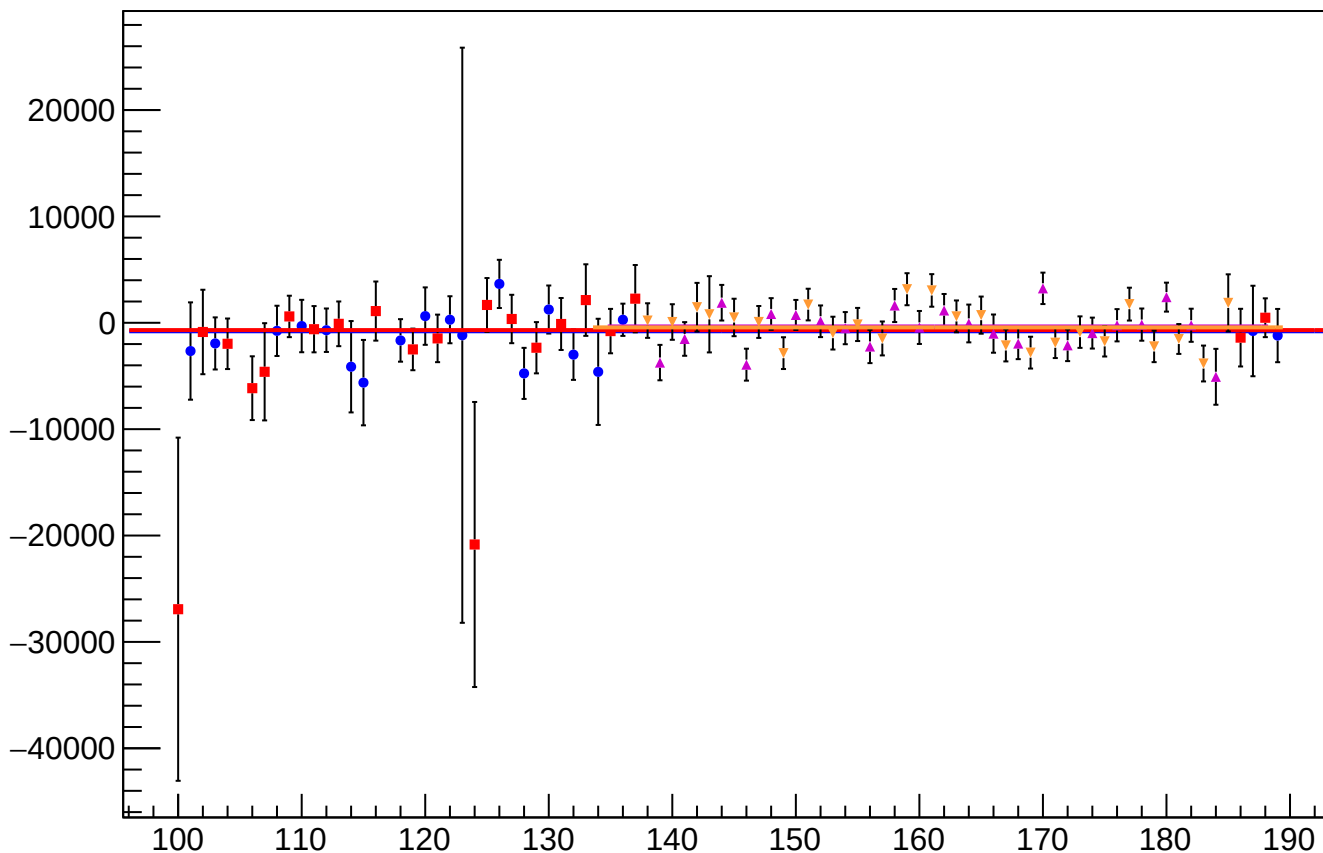
Right: 1010.713 $\pm$ 0.527 χ^2 /NDF: 3428.0/3

In: 1017.385 $\pm$ 0.950 χ^2 /NDF:11.9/1

Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

All: 1010.713 $\pm$ 0.527 χ^2 /NDF: 3428.0/3

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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

Left: -388.248+/-227.997 χ^2/NDF : 66.9/47

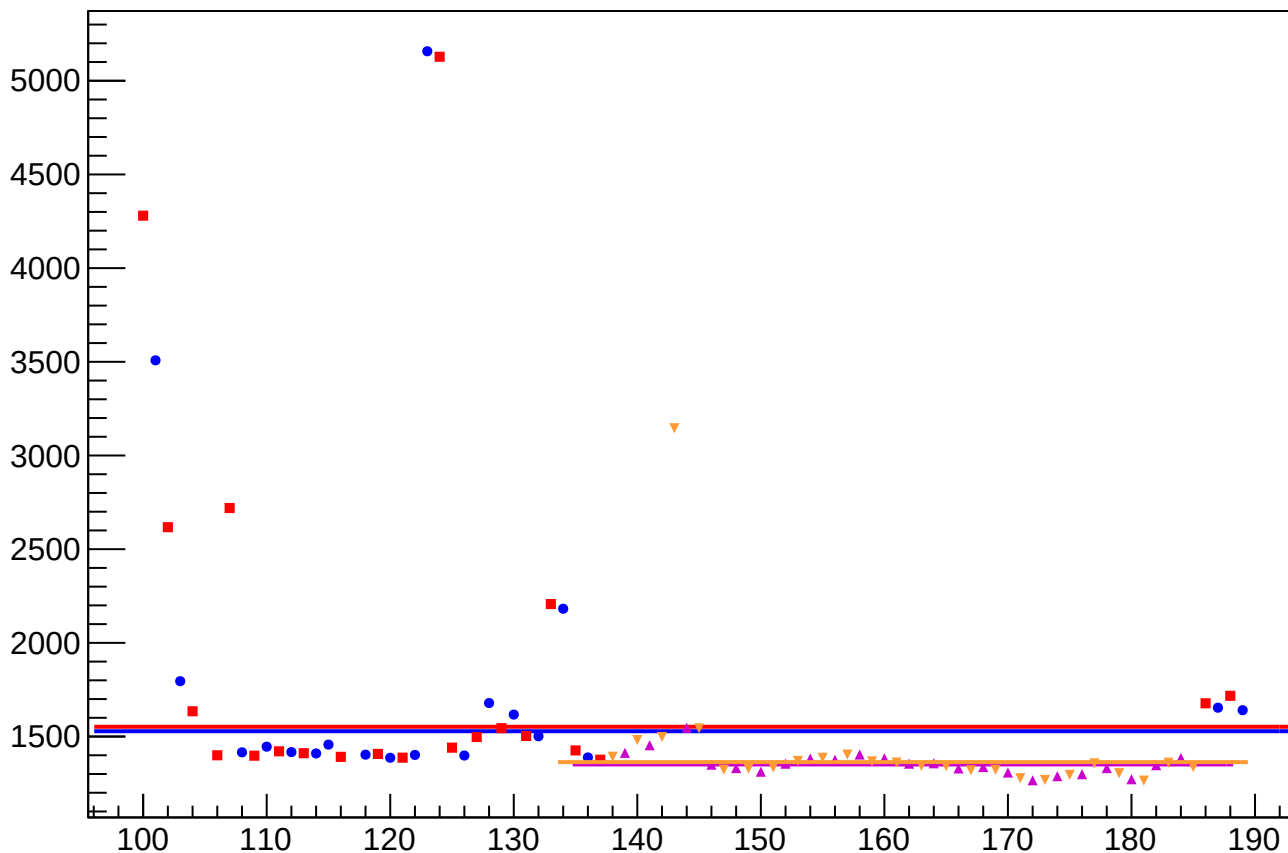
Right: -739.564+/-402.039 χ^2/NDF : 27.4/39

In: -451.042+/-283.458 χ^2/NDF : 46.8/41

Out: -495.505+/-277.584 χ^2/NDF : 48.1/45

All: -473.739+/-198.326 χ^2/NDF : 94.9/87

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



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

Left: 1357.310+/-0.161 χ^2/NDF : 643910.7/47

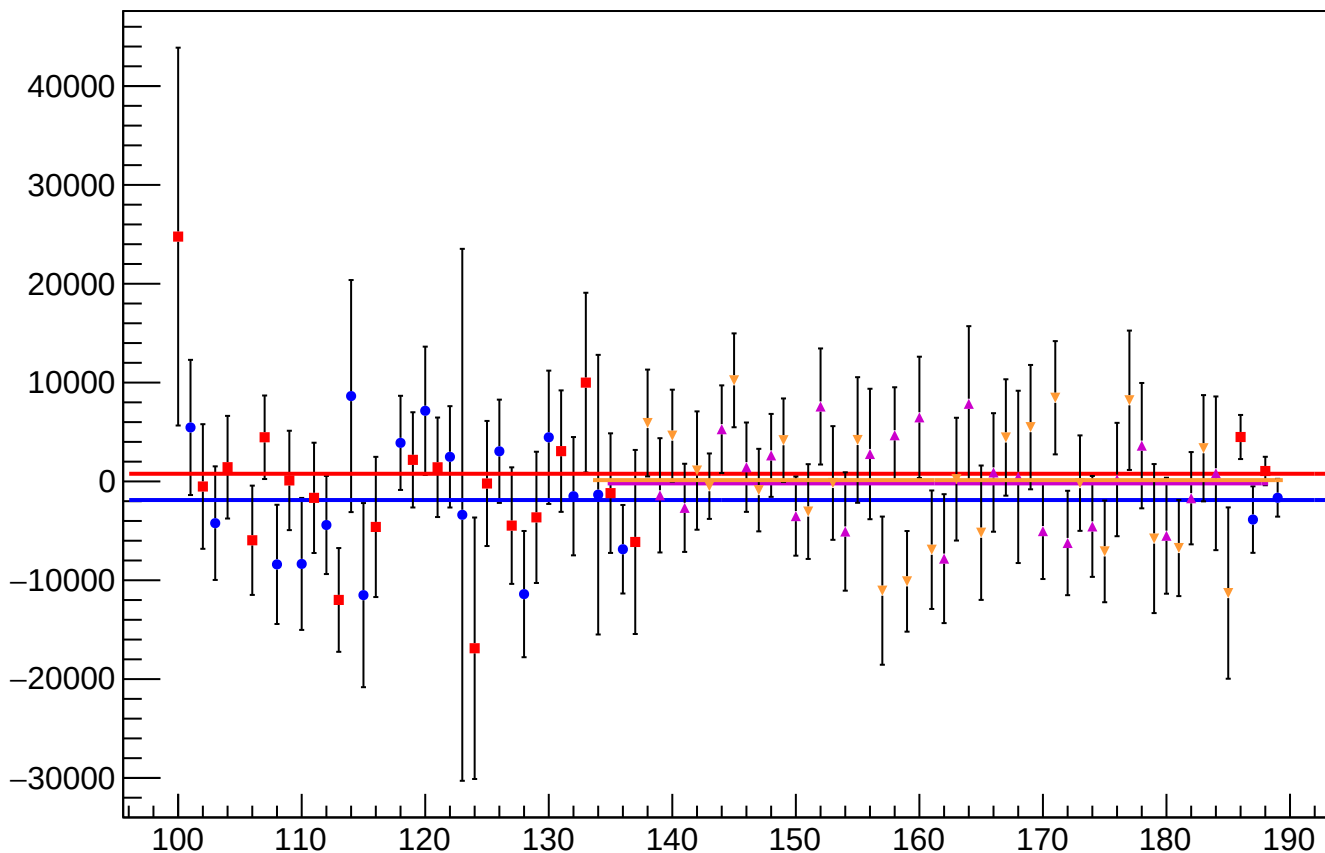
Right: 1540.813+/-0.284 χ^2/NDF : 1200646.4/39

In: 1392.831+/-0.200 χ^2/NDF : 752405.9/41

Out: 1410.724+/-0.196 χ^2/NDF : 1403352.4/45

All: 1401.965+/-0.140 χ^2/NDF : 2159826.1/87

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1883.090 ± 1120.731 $\chi^2/\text{NDF}: 15.3/18$

Left Out: 132.142 ± 1065.543 $\chi^2/\text{NDF}: 28.1/24$

Right Out: 774.953 ± 910.239 $\chi^2/\text{NDF}: 18.4/20$

Left In: -200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

Left: -25.227 ± 773.130 $\chi^2/\text{NDF}: 42.9/47$

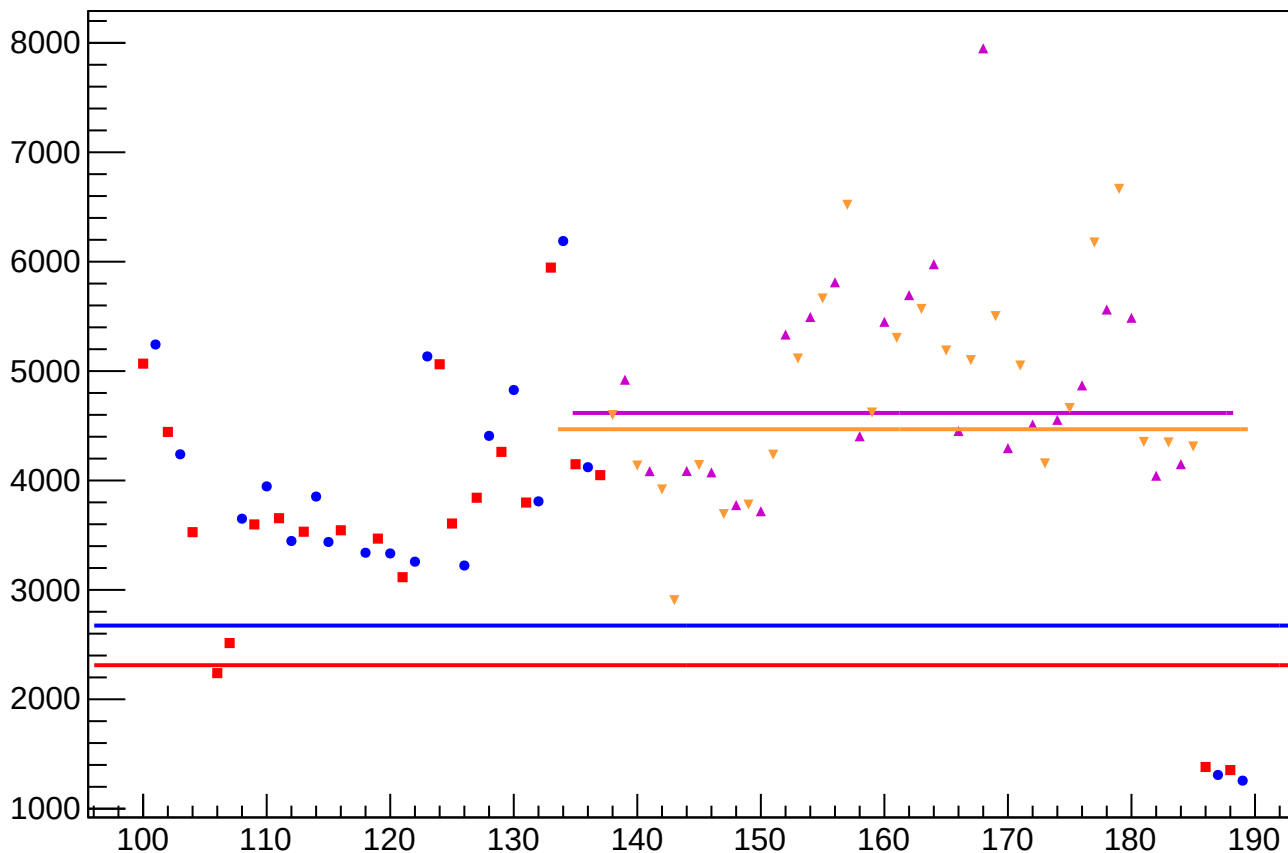
Right: -281.513 ± 706.559 $\chi^2/\text{NDF}: 37.0/39$

In: -1043.712 ± 793.454 $\chi^2/\text{NDF}: 31.2/41$

Out: 503.765 ± 692.093 $\chi^2/\text{NDF}: 46.7/45$

All: -164.877 ± 521.562 $\chi^2/\text{NDF}: 80.0/87$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



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

Left: 4538.970 $\pm$ 0.547 χ^2/NDF : 2398663.8/47

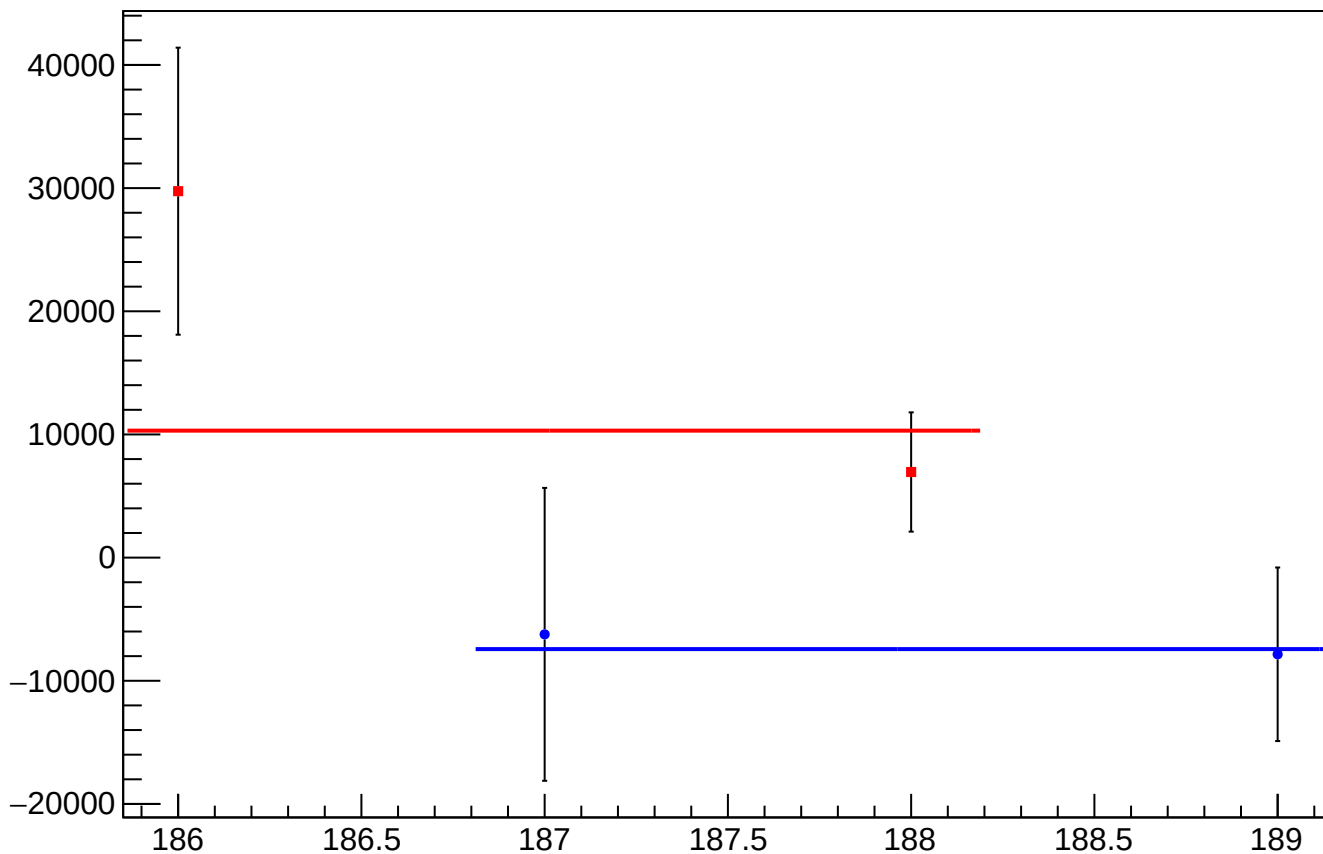
Right: 2454.793 $\pm$ 0.498 χ^2/NDF : 6443010.3/39

In: 3643.183 $\pm$ 0.561 χ^2/NDF : 6946563.7/41

Out: 3217.244 $\pm$ 0.488 χ^2/NDF : 9504309.2/45

All: 3400.803 $\pm$ 0.368 χ^2/NDF : 16778845.3/8

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: -7428.358+/-6061.889 χ^2/NDF : 0.0/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 10309.399+/-4471.948 χ^2/NDF : 3.3/1

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

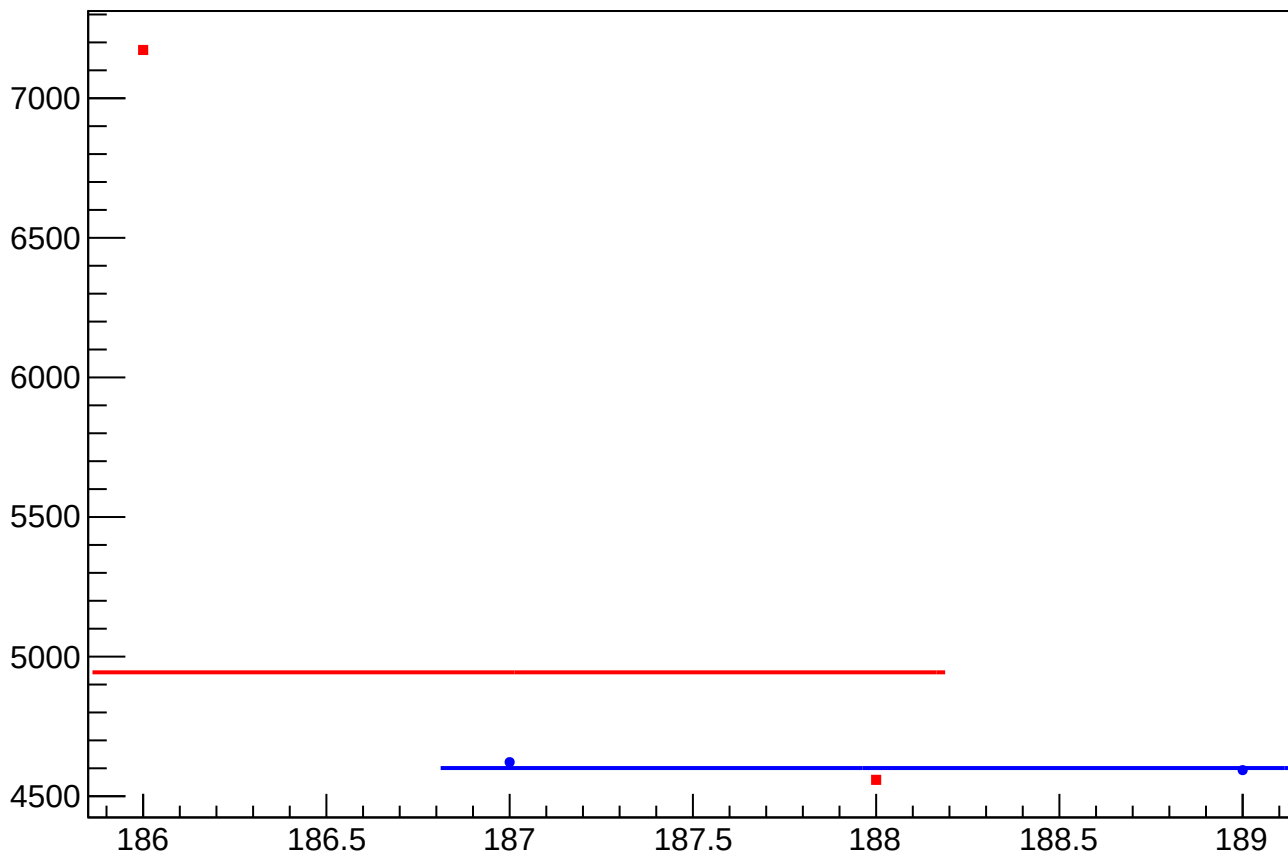
Right: 4058.162+/-3598.666 χ^2/NDF : 8.8/3

In: -7428.358+/-6061.889 χ^2/NDF : 0.0/1

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4058.162+/-3598.666 χ^2/NDF : 8.8/3

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

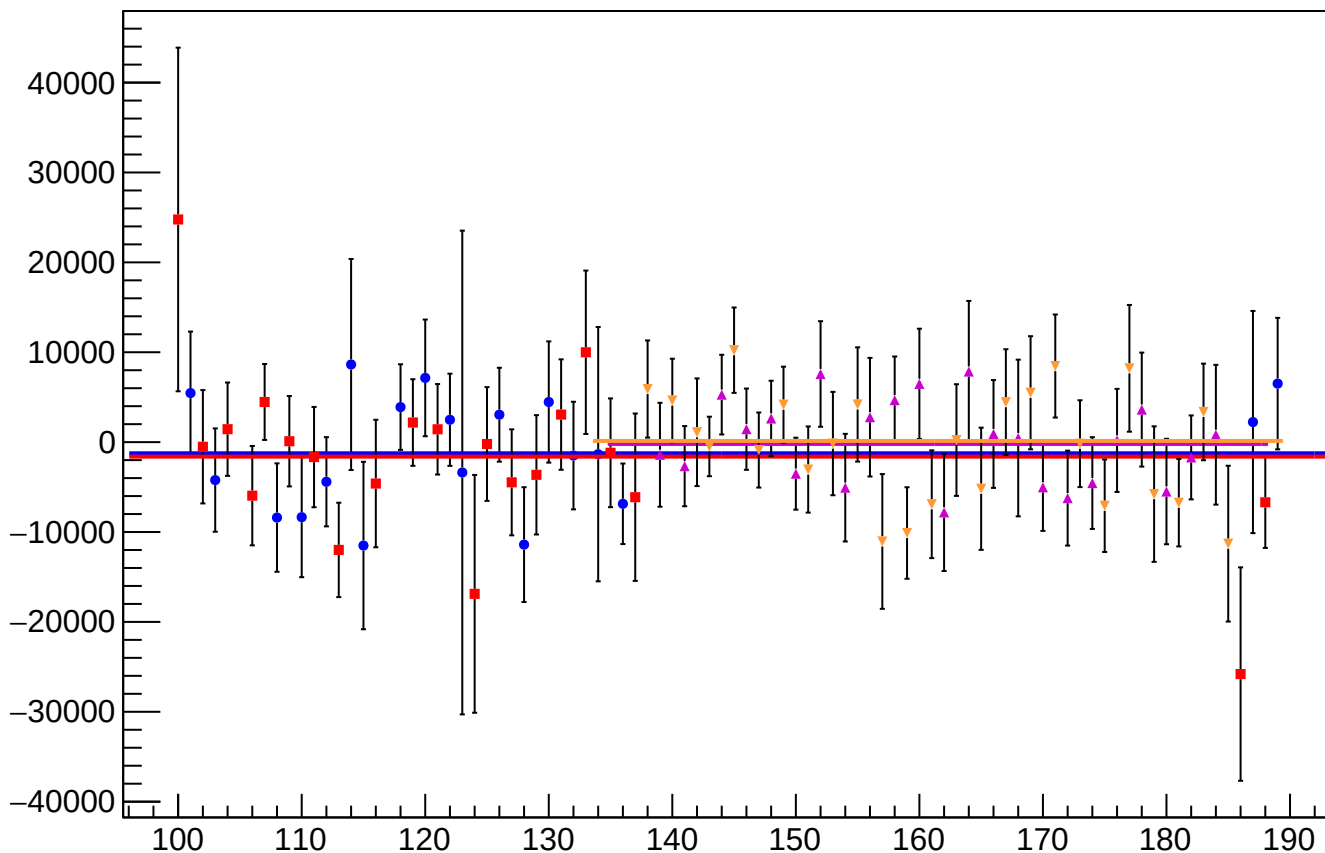
Right: 4822.898+/-2.545 χ^2/NDF : 90001.1/3

In: 4600.878+/-4.286 χ^2/NDF : 8.6/1

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4822.898+/-2.545 χ^2/NDF : 90001.1/3

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



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

Left: -25.227+/-773.130 χ^2/NDF : 42.9/47

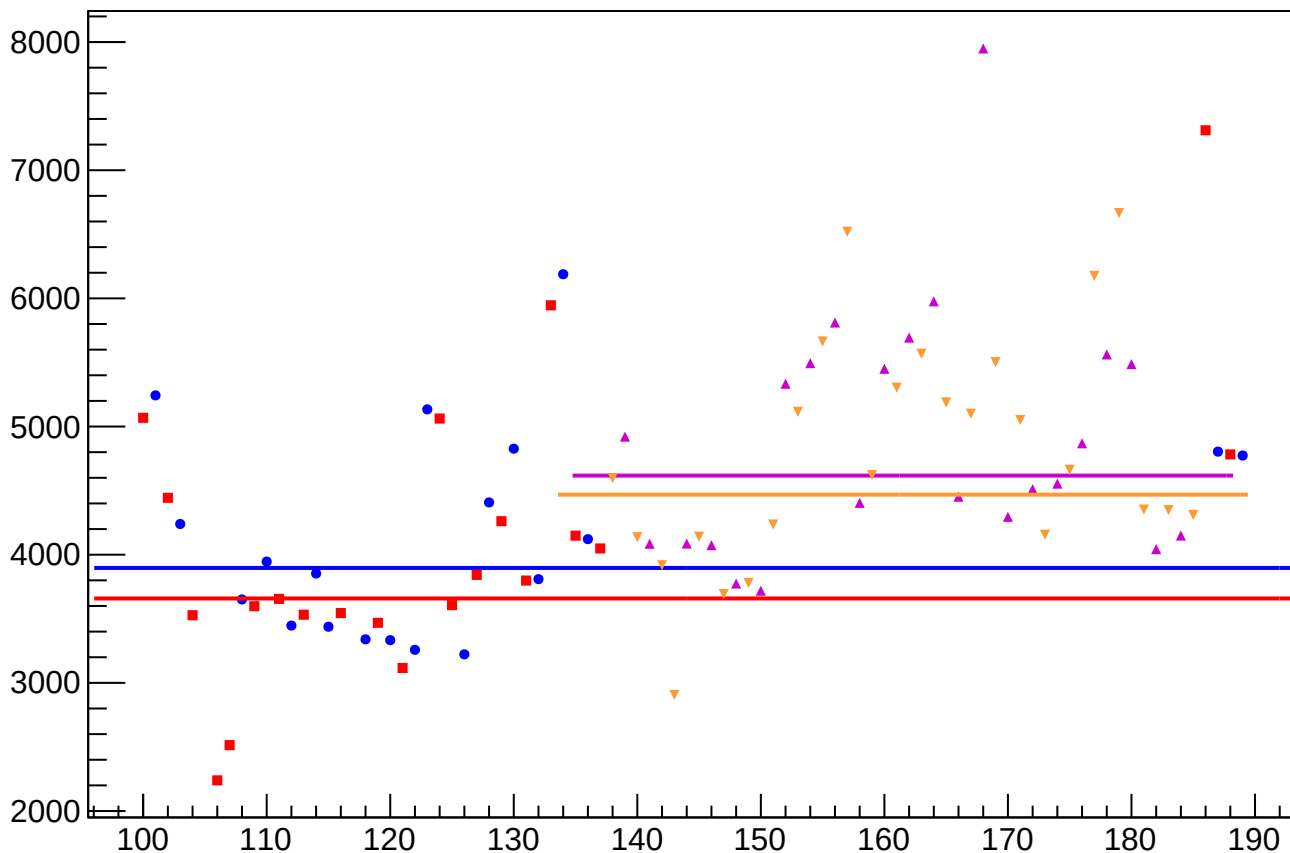
Right: -1446.340+/-985.827 χ^2/NDF : 35.7/39

In: -582.176+/-893.850 χ^2/NDF : 31.2/41

Out: -552.816+/-830.357 χ^2/NDF : 48.6/45

All: -566.416+/-608.360 χ^2/NDF : 79.9/87

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3896.619+/-1.043 χ^2/NDF : 368781.6/18

Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24

Right Out: 3658.551+/-0.929 χ^2/NDF : 861766.0/20

Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

Left: 4538.970+/-0.547 χ^2/NDF : 2398663.8/47

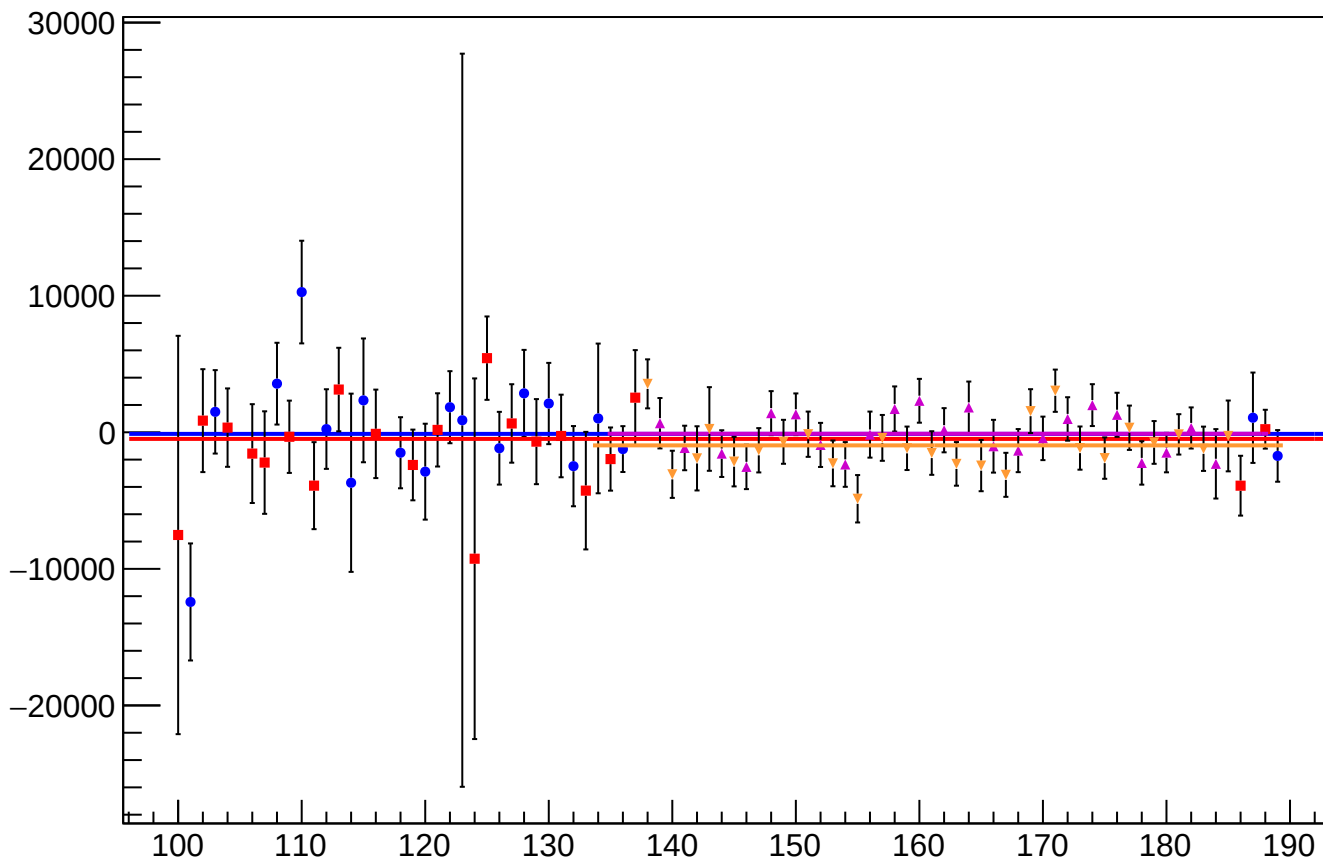
Right: 3763.847+/-0.694 χ^2/NDF : 1259589.8/39

In: 4352.776+/-0.632 χ^2/NDF :1670430.3/41

Out: 4147.162+/-0.585 χ^2/NDF :2700873.6/45

All: 4242.068+/-0.429 χ^2/NDF : 4428286.4/87

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



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

Left: -538.150+/-241.520 χ^2/NDF : 51.1/47

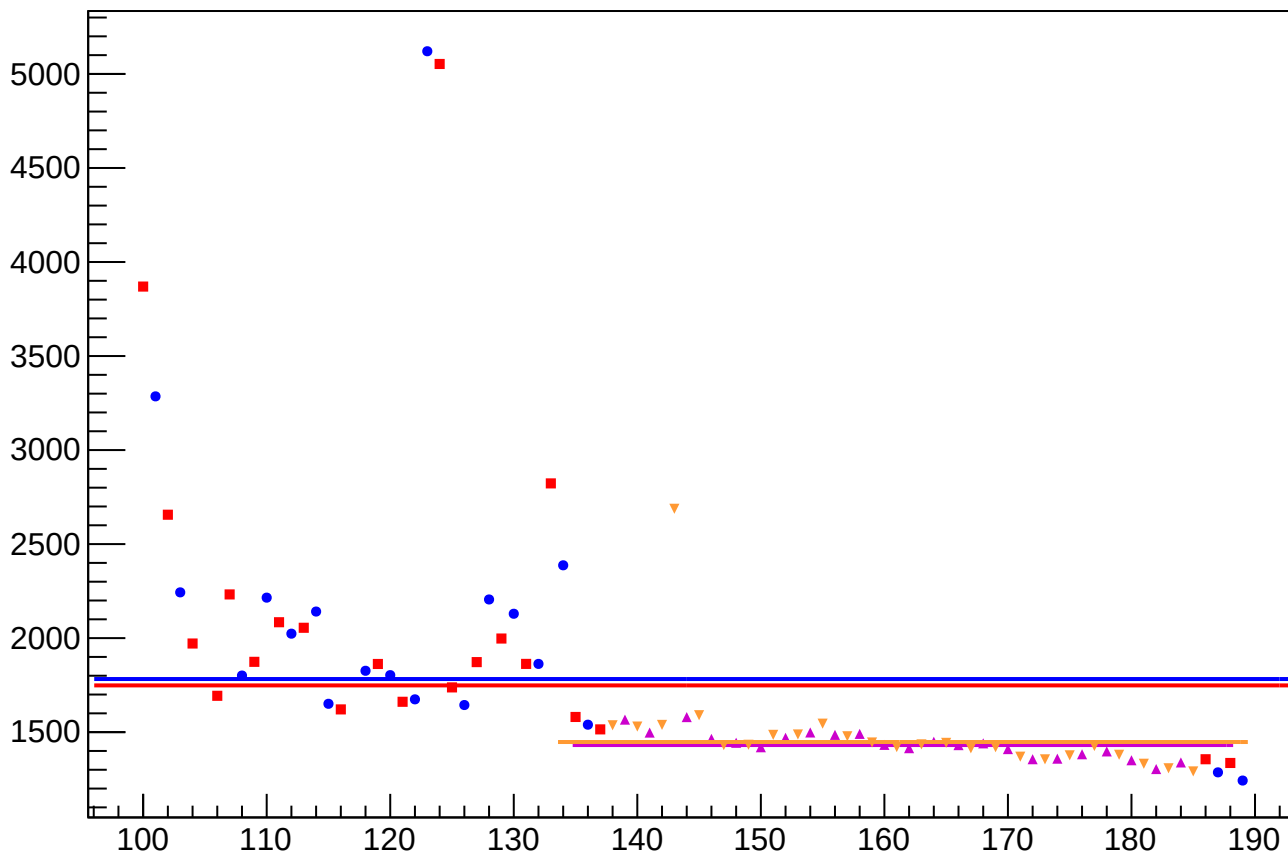
Right: -316.416+/-462.024 χ^2/NDF : 36.4/39

In: -109.289+/-307.109 χ^2/NDF : 42.8/41

Out: -850.690+/-298.471 χ^2/NDF : 41.9/45

All: -490.563+/-214.040 χ^2/NDF : 87.6/87

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1782.485 $\pm$ 0.484 χ^2 /NDF: 718264.6/18

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1748.569 $\pm$ 0.443 χ^2 /NDF: 781436.5/20

Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

Left: 1439.603 $\pm$ 0.171 χ^2 /NDF: 496606.4/47

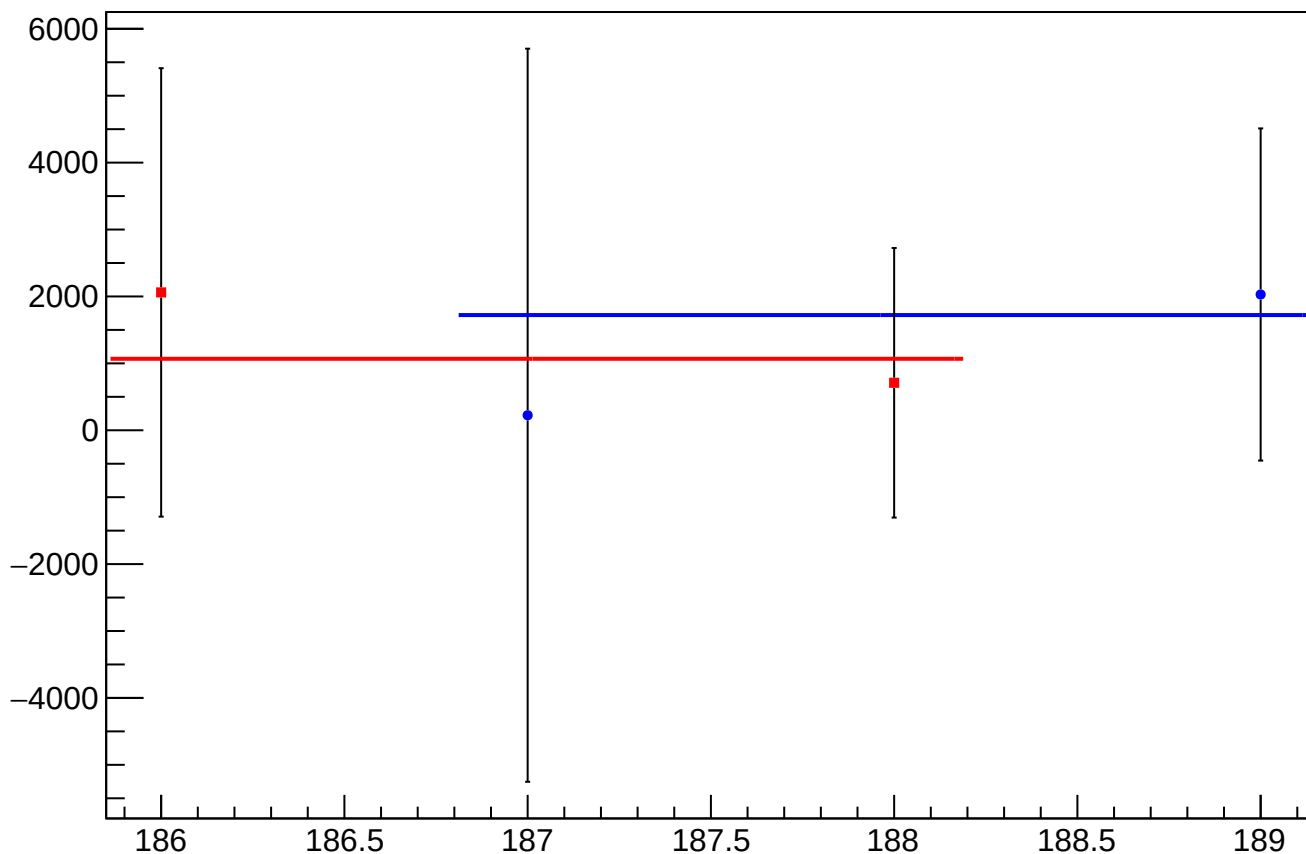
Right: 1764.030 $\pm$ 0.327 χ^2 /NDF: 1502374.5/39

In: 1502.159 $\pm$ 0.217 χ^2 /NDF: 1213687.4/41

Out: 1515.910 $\pm$ 0.211 χ^2 /NDF: 1557736.6/45

All: 1509.231 $\pm$ 0.151 χ^2 /NDF: 2773486.0/87

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

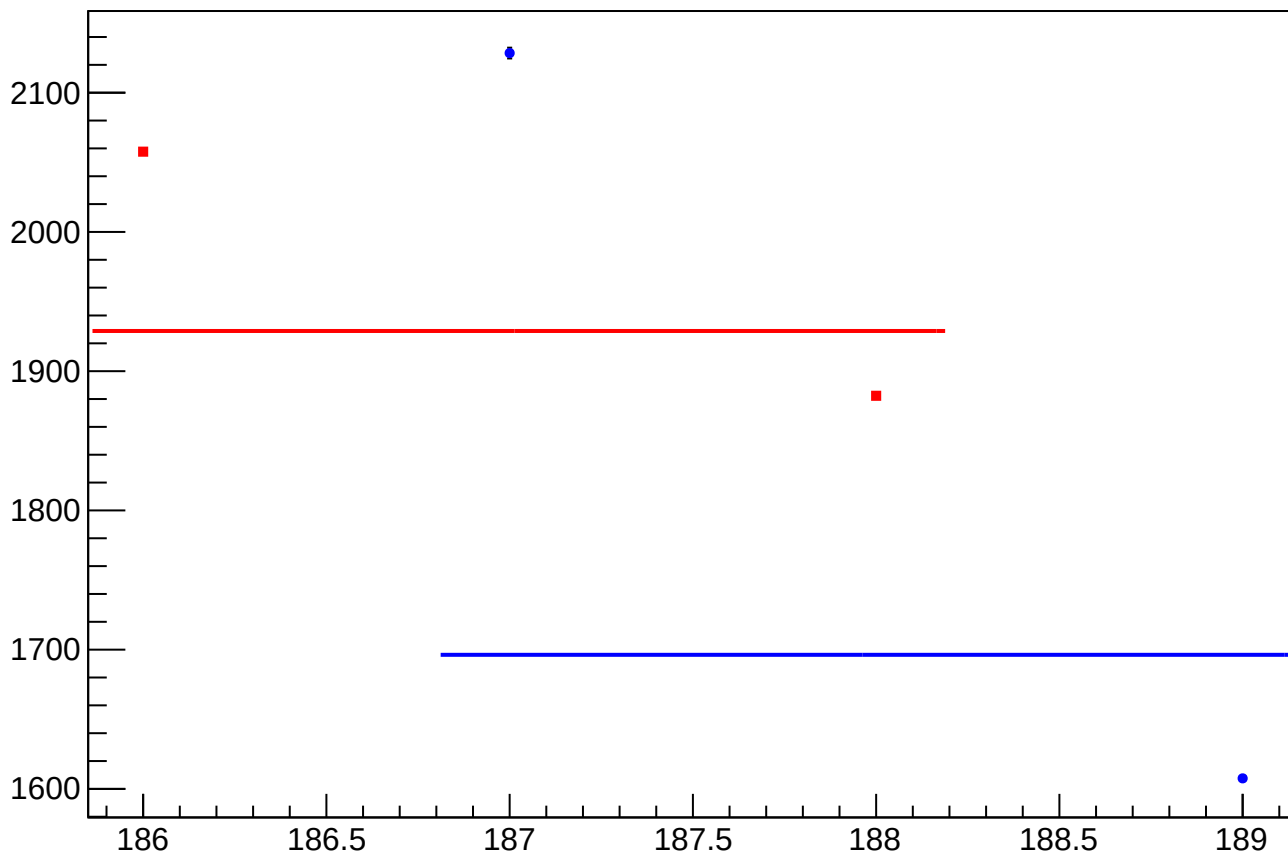
Right: 1309.125+/-1372.192 χ^2/NDF : 0.3/3

In: 1722.009+/-2260.946 χ^2/NDF : 0.1/1

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1309.125+/-1372.192 χ^2/NDF : 0.3/3

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

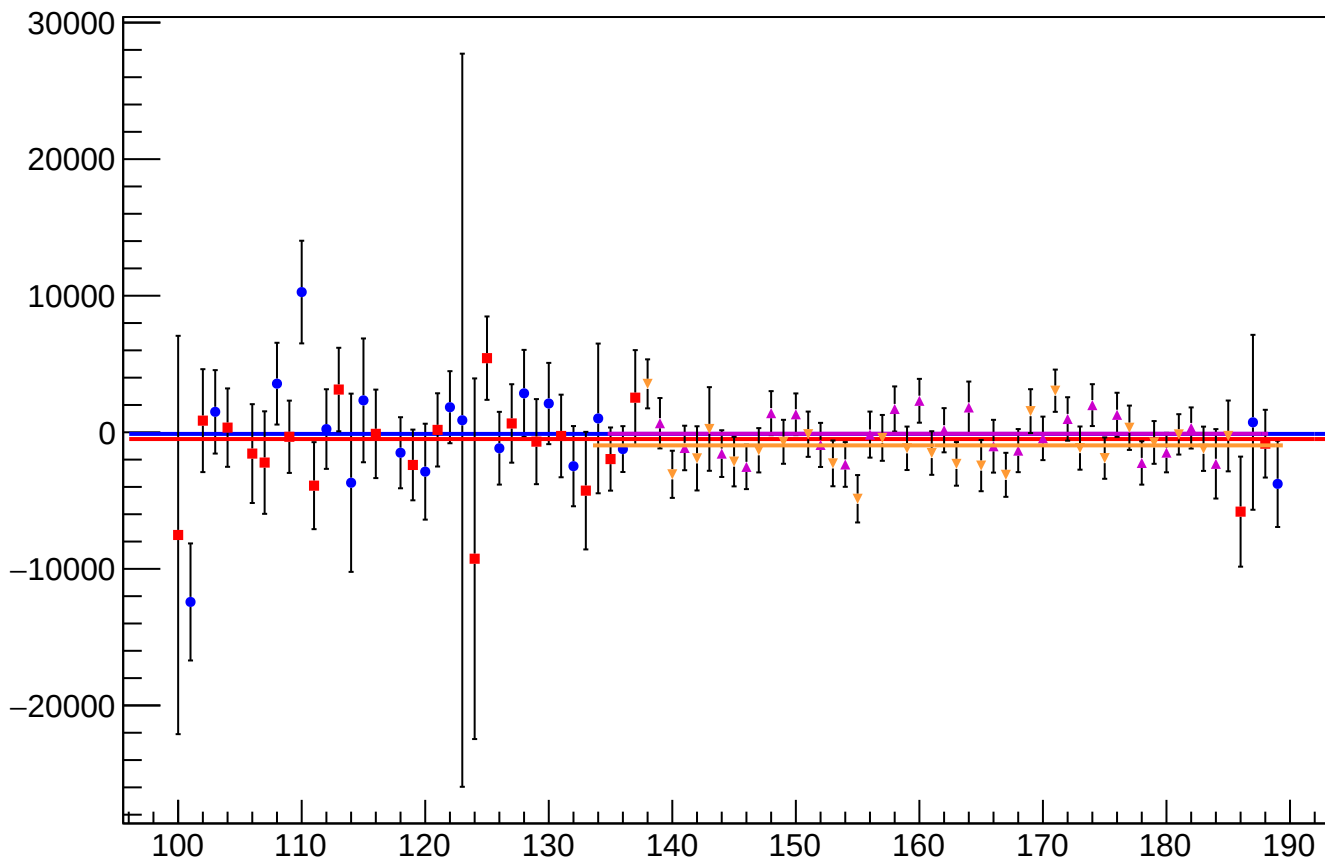
Right: 1843.204+/-0.970 χ^2/NDF : 32391.2/3

In: 1696.295+/-1.599 χ^2/NDF : 15002.0/1

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1843.204+/-0.970 χ^2/NDF : 32391.2/3

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -117.936 ± 727.584 $\chi^2/\text{NDF}: 23.8/18$

Left Out: -958.410 ± 339.496 $\chi^2/\text{NDF}: 28.5/24$

Right Out: -494.967 ± 695.058 $\chi^2/\text{NDF}: 12.0/20$

Left In: -107.512 ± 343.663 $\chi^2/\text{NDF}: 19.5/22$

Left: -538.150 ± 241.520 $\chi^2/\text{NDF}: 51.1/47$

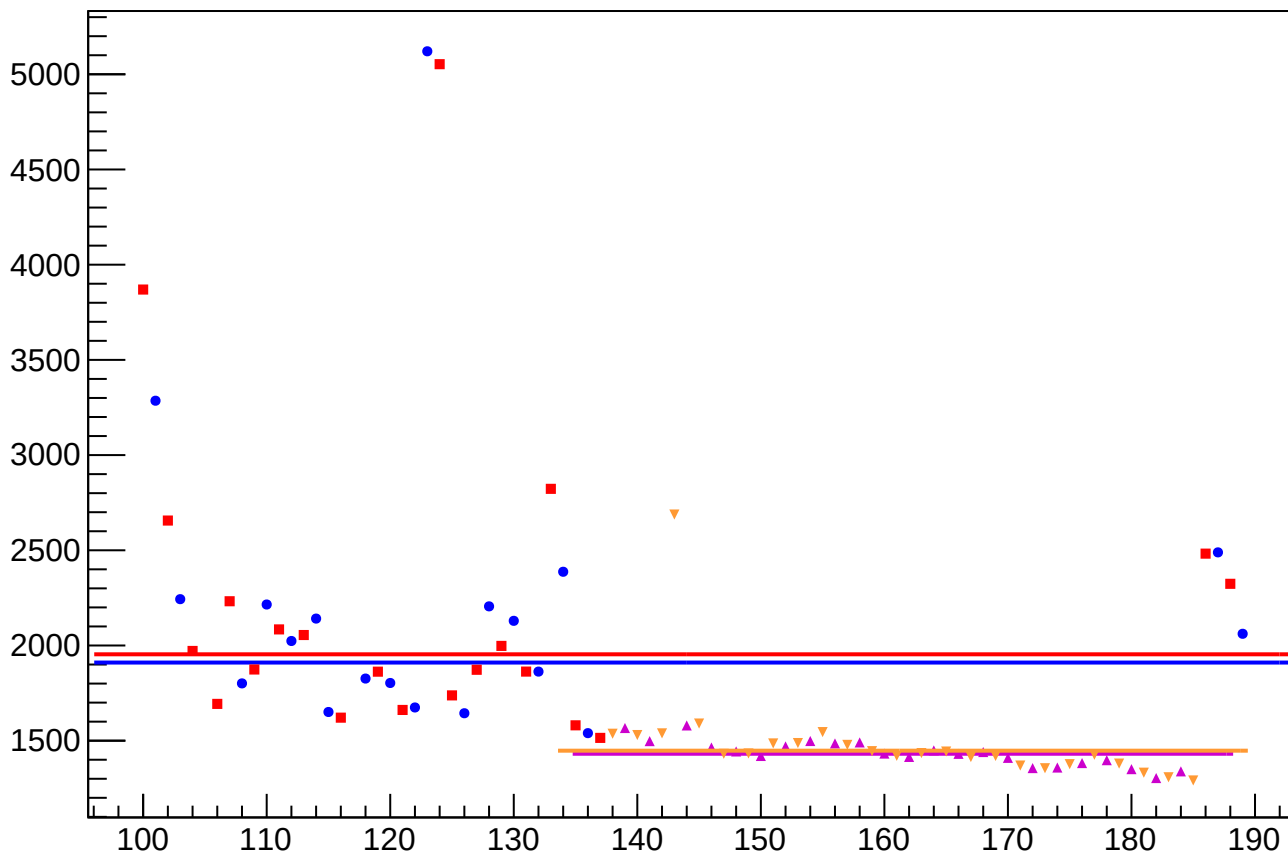
Right: -315.067 ± 502.586 $\chi^2/\text{NDF}: 35.9/39$

In: -109.414 ± 310.743 $\chi^2/\text{NDF}: 43.3/41$

Out: -869.141 ± 305.052 $\chi^2/\text{NDF}: 40.9/45$

All: -496.298 ± 217.688 $\chi^2/\text{NDF}: 87.2/87$

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1910.381+/-0.514 χ^2/NDF : 488328.6/18

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1953.728+/-0.491 χ^2/NDF : 548554.7/20

Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

Left: 1439.603+/-0.171 χ^2/NDF : 496606.4/47

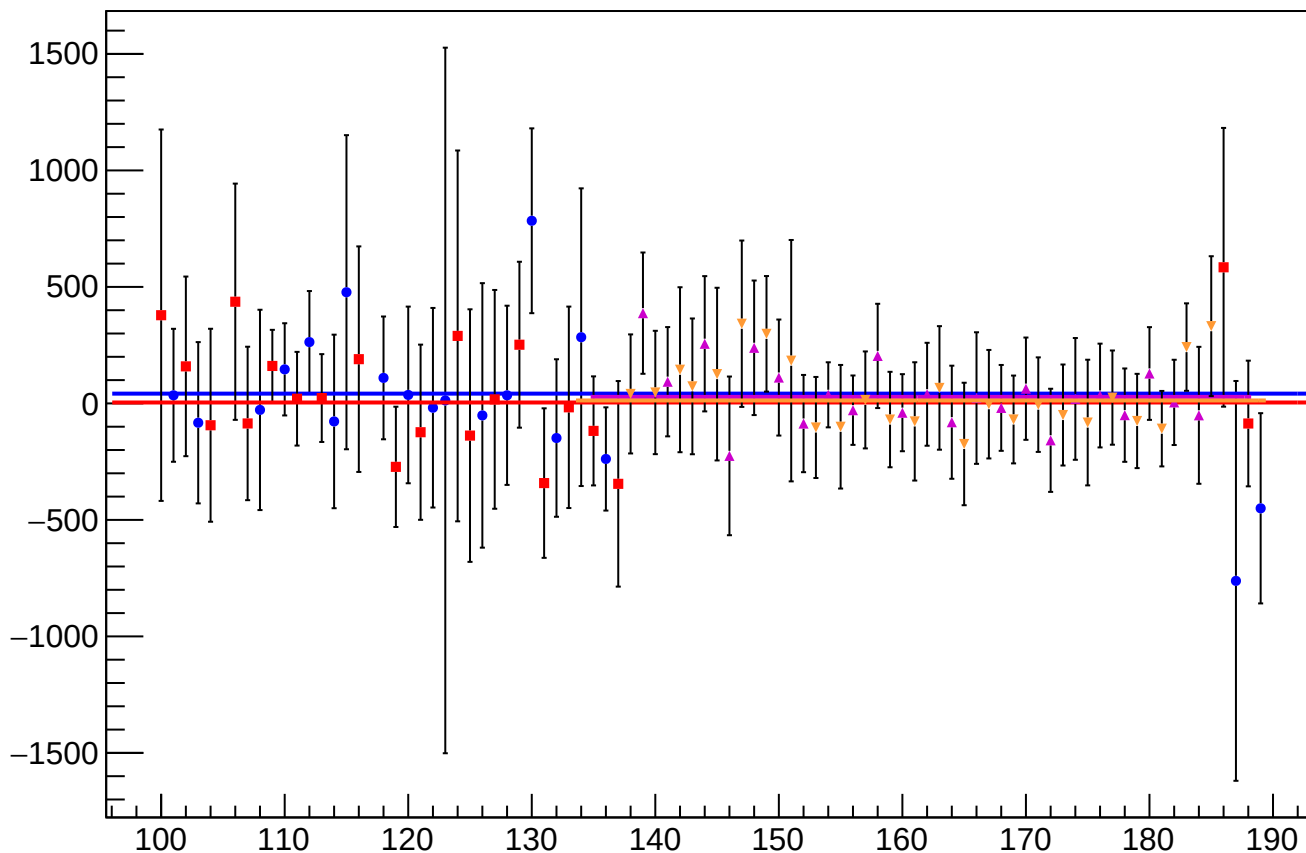
Right: 1933.045+/-0.355 χ^2/NDF : 1040594.8/39

In: 1518.815+/-0.220 χ^2/NDF : 1271963.5/41

Out: 1545.056+/-0.216 χ^2/NDF : 1824201.1/45

All: 1532.178+/-0.154 χ^2/NDF : 3103427.9/87

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

Left: 20.762 $\pm$ 32.480 χ^2 /NDF: 14.3/47

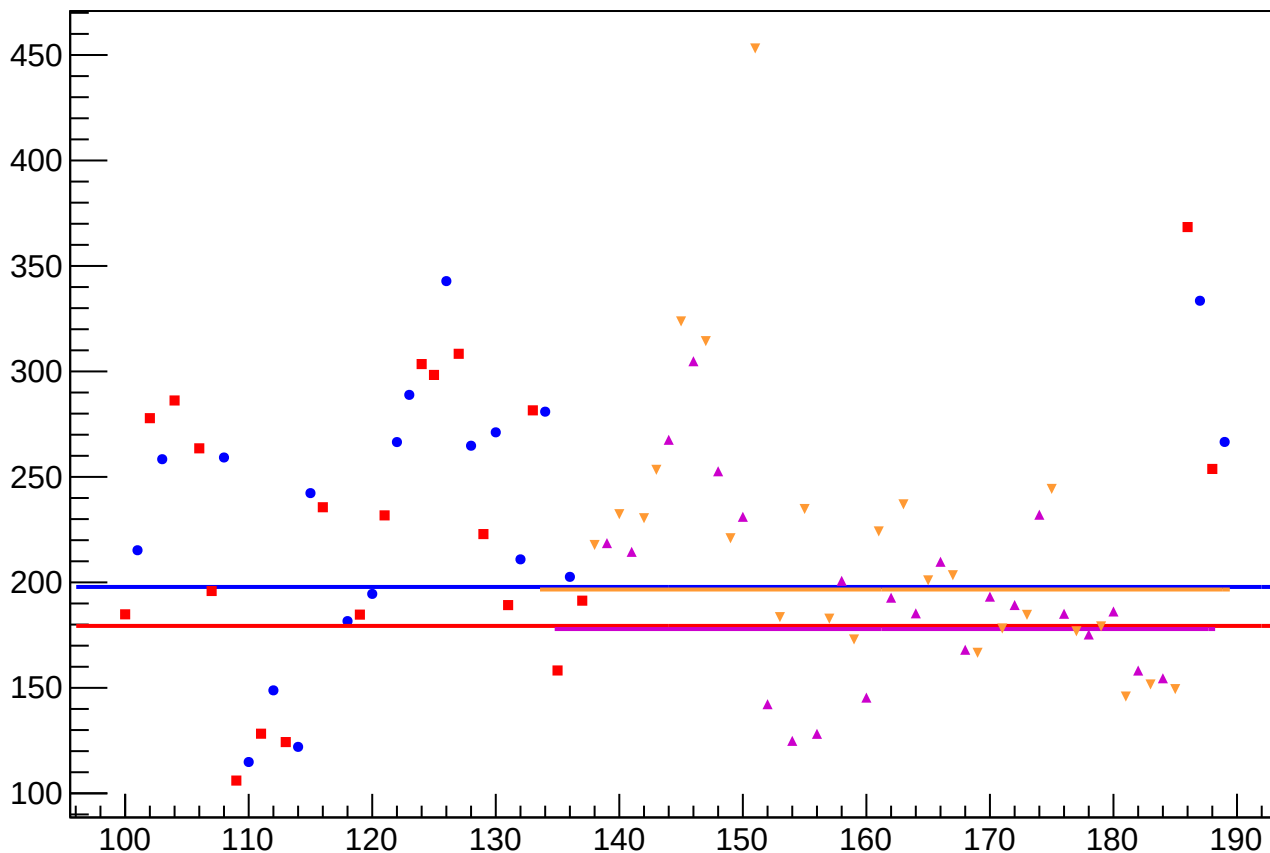
Right: 20.169 $\pm$ 50.981 χ^2 /NDF: 17.6/39

In: 31.371 $\pm$ 38.671 χ^2 /NDF: 16.5/41

Out: 9.734 $\pm$ 38.808 χ^2 /NDF: 15.2/45

All: 20.591 $\pm$ 27.393 χ^2 /NDF: 31.9/87

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left: 186.646 $\pm$ 0.023 χ^2 /NDF: 3603390.3/47

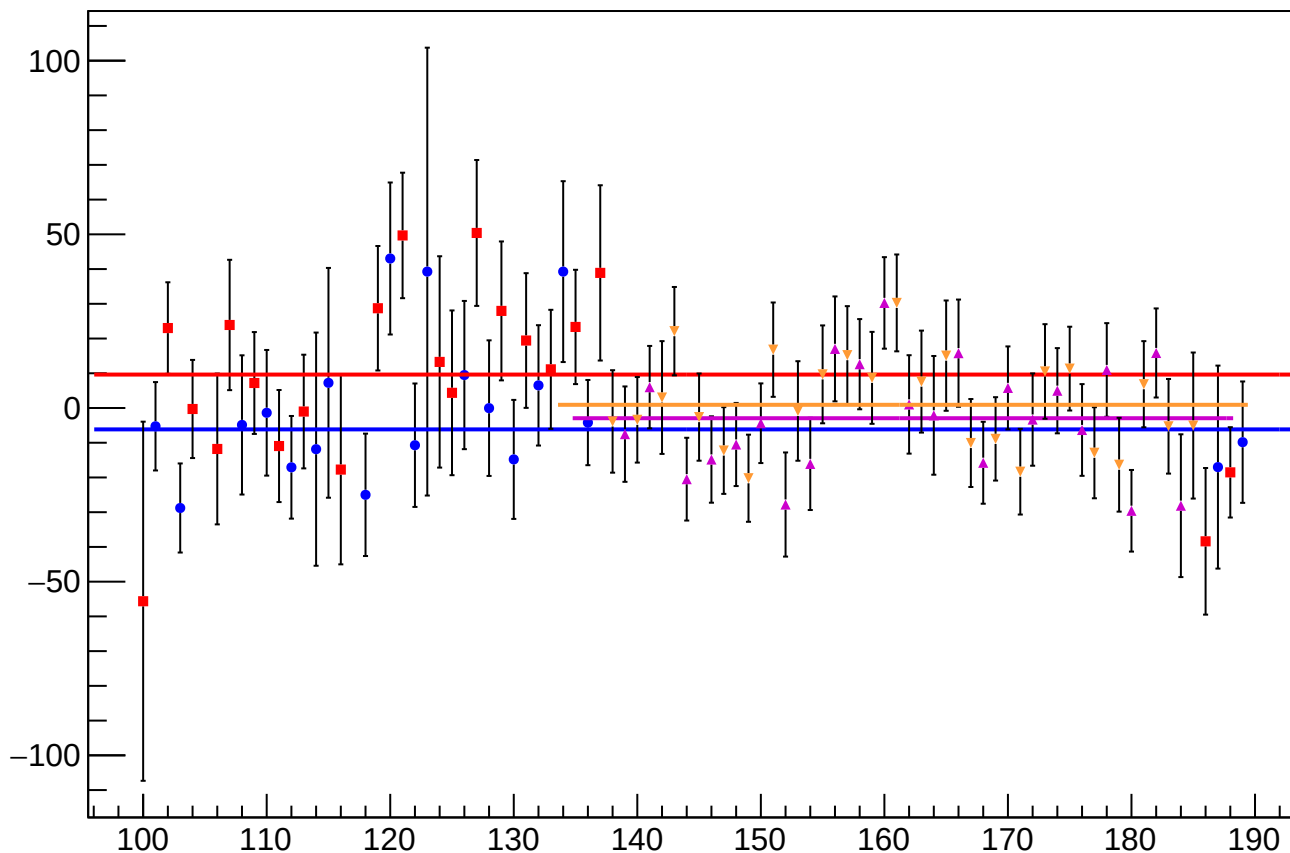
Right: 187.250 $\pm$ 0.036 χ^2 /NDF: 3134628.0/39

In: 182.780 $\pm$ 0.027 χ^2 /NDF:2865965.6/41

Out: 190.890 $\pm$ 0.027 χ^2 /NDF:3828426.5/45

All: 186.820 $\pm$ 0.019 χ^2 /NDF: 6738218.1/87

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.158 ± 4.188 $\chi^2/\text{NDF}: 15.4/18$

Left Out: 0.920 ± 2.696 $\chi^2/\text{NDF}: 24.0/24$

Right Out: 9.626 ± 3.985 $\chi^2/\text{NDF}: 30.6/20$

Left In: -2.941 ± 2.745 $\chi^2/\text{NDF}: 31.0/22$

Left: -0.976 ± 1.923 $\chi^2/\text{NDF}: 56.0/47$

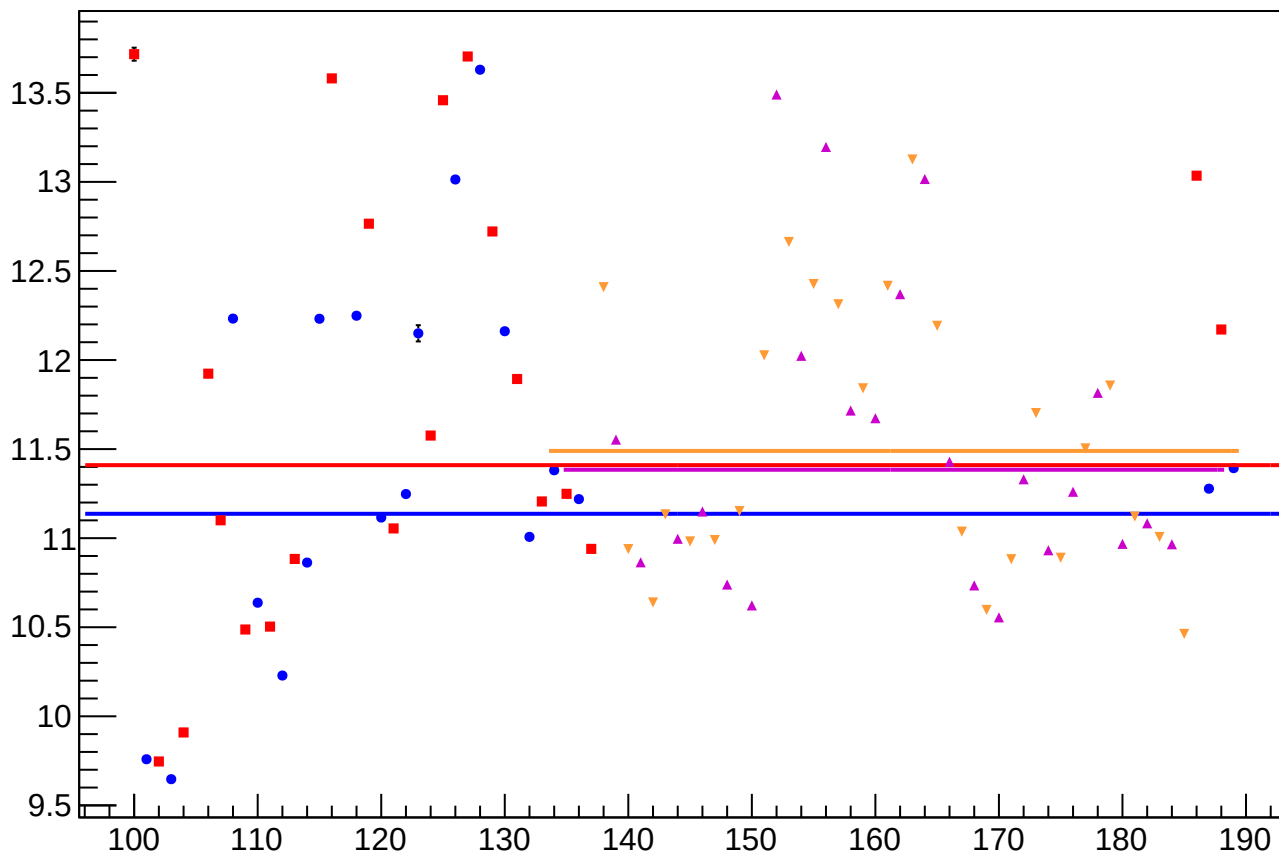
Right: 2.125 ± 2.887 $\chi^2/\text{NDF}: 53.5/39$

In: -3.908 ± 2.296 $\chi^2/\text{NDF}: 46.8/41$

Out: 3.653 ± 2.233 $\chi^2/\text{NDF}: 57.9/45$

All: -0.023 ± 1.601 $\chi^2/\text{NDF}: 110.3/87$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left: 11.438 $\pm$ 0.001 χ^2 /NDF: 283707.5/47

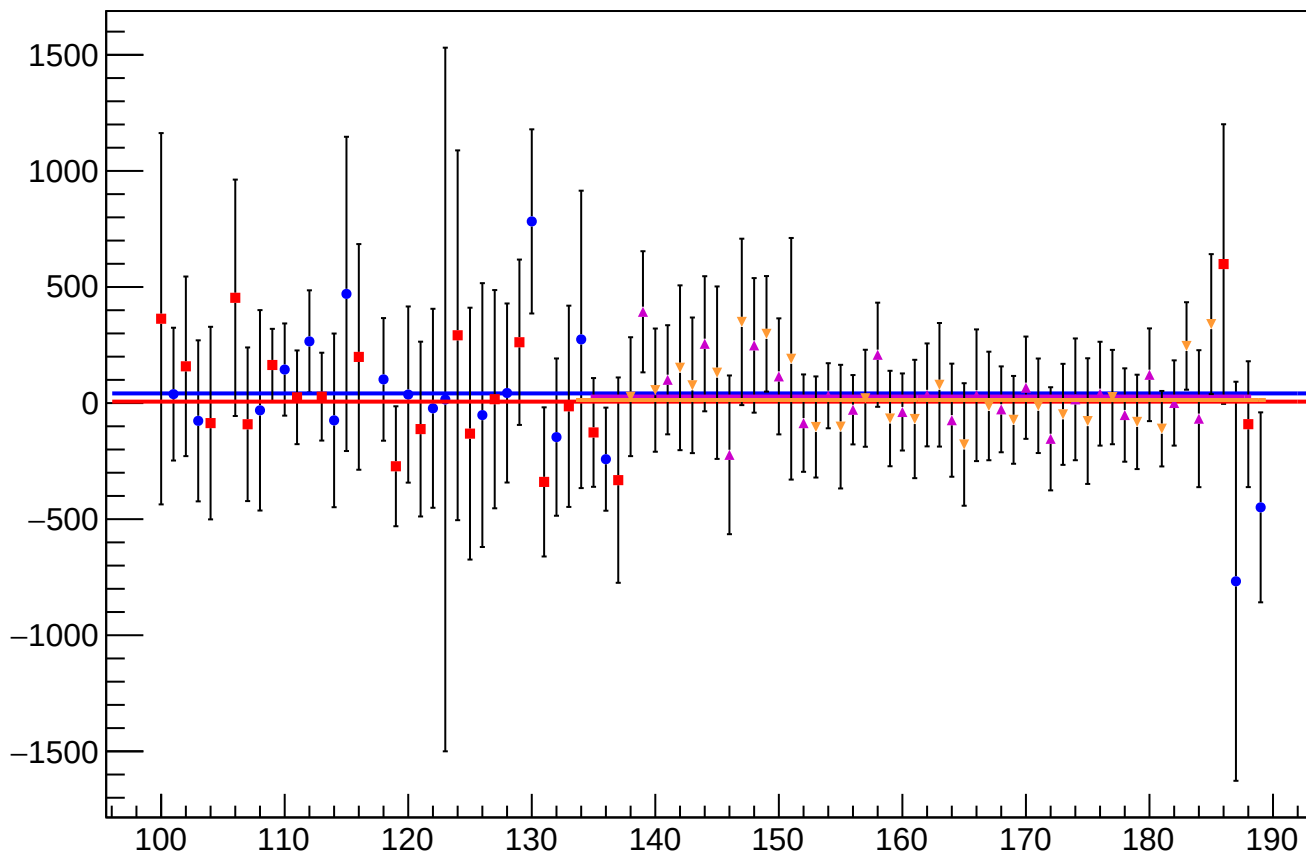
Right: 11.280 $\pm$ 0.002 χ^2 /NDF: 306765.4/39

In: 11.310 $\pm$ 0.002 χ^2 /NDF:287142.8/41

Out: 11.465 $\pm$ 0.002 χ^2 /NDF:302787.4/45

All: 11.389 $\pm$ 0.001 χ^2 /NDF: 594609.0/87

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



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

Left: 21.161 $\pm$ 32.597 χ^2 /NDF: 14.6/47

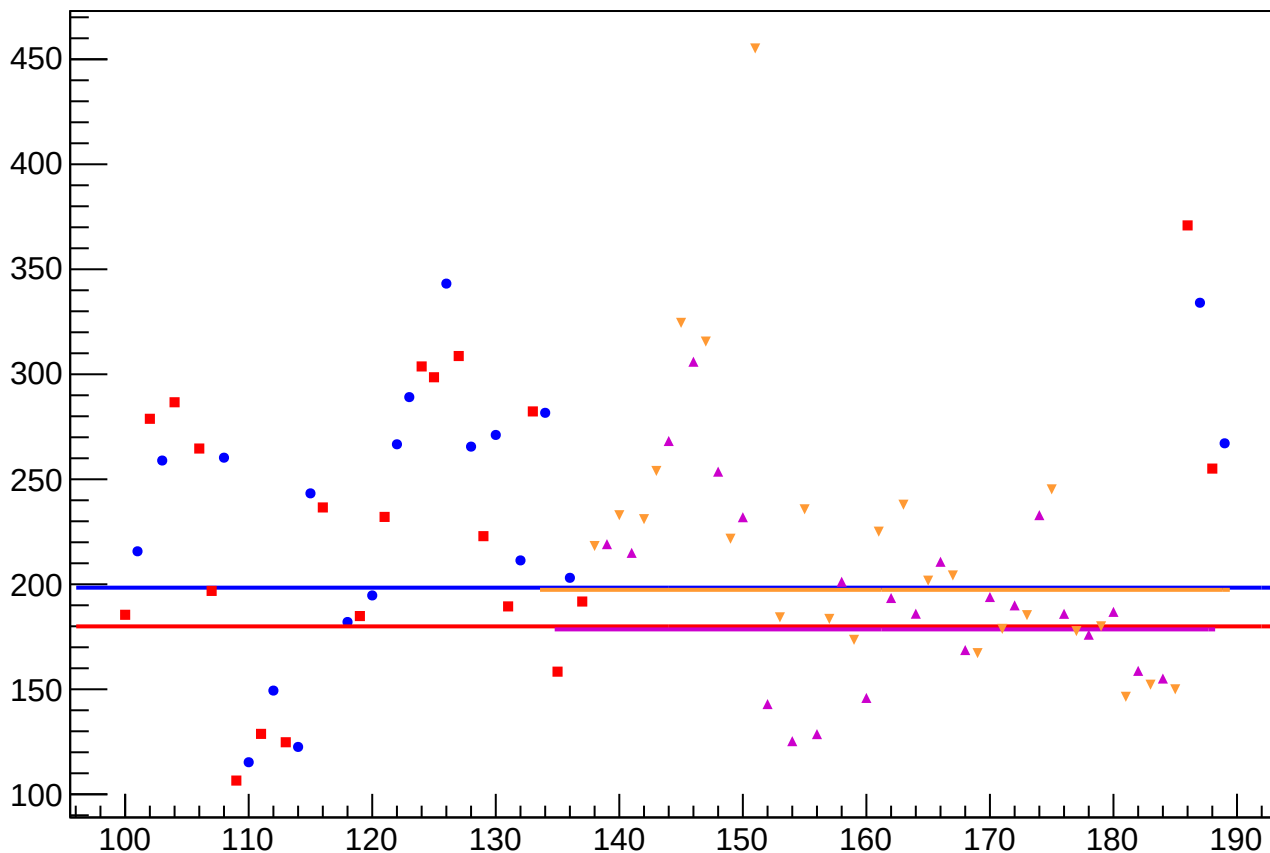
Right: 21.377 $\pm$ 51.128 χ^2 /NDF: 17.7/39

In: 31.397 $\pm$ 38.799 χ^2 /NDF: 16.6/41

Out: 10.975 $\pm$ 38.944 χ^2 /NDF: 15.5/45

All: 21.224 $\pm$ 27.486 χ^2 /NDF: 32.2/87

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



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

Left: 187.326 $\pm$ 0.023 χ^2 /NDF: 3599509.2/47

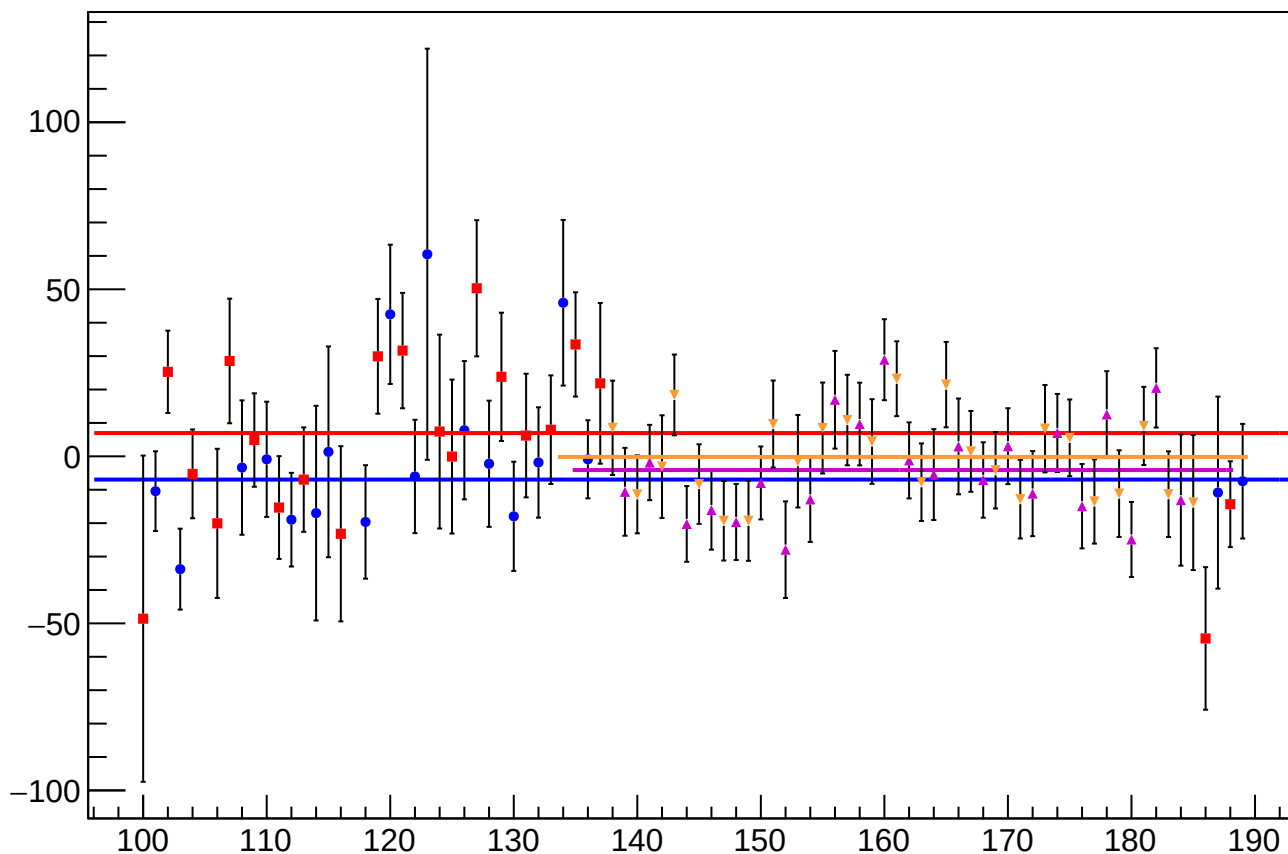
Right: 187.828 $\pm$ 0.036 χ^2 /NDF: 3124211.1/39

In: 183.402 $\pm$ 0.027 χ^2 /NDF:2857480.7/41

Out: 191.571 $\pm$ 0.028 χ^2 /NDF:3822206.9/45

All: 187.471 $\pm$ 0.019 χ^2 /NDF: 6723857.1/87

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.952 ± 4.005 $\chi^2/\text{NDF}: 19.4/18$

Left Out: -0.170 ± 2.520 $\chi^2/\text{NDF}: 24.4/24$

Right Out: 6.975 ± 3.830 $\chi^2/\text{NDF}: 34.9/20$

Left In: -4.107 ± 2.577 $\chi^2/\text{NDF}: 31.5/22$

Left: -2.095 ± 1.802 $\chi^2/\text{NDF}: 57.1/47$

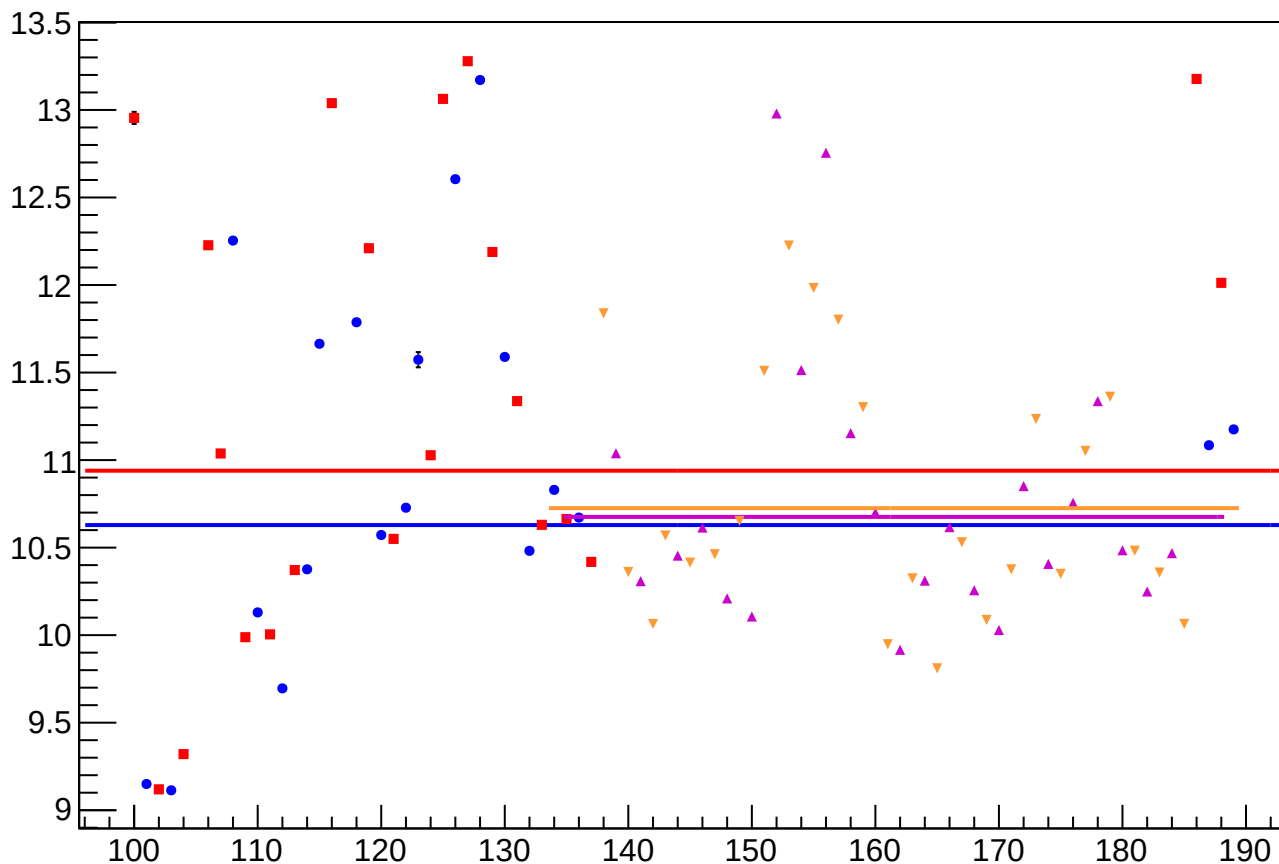
Right: 0.322 ± 2.768 $\chi^2/\text{NDF}: 60.7/39$

In: -4.940 ± 2.167 $\chi^2/\text{NDF}: 51.3/41$

Out: 1.989 ± 2.105 $\chi^2/\text{NDF}: 61.7/45$

All: -1.375 ± 1.510 $\chi^2/\text{NDF}: 118.3/87$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



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

Left: 10.701 $\pm$ 0.001 χ^2 /NDF: 278494.3/47

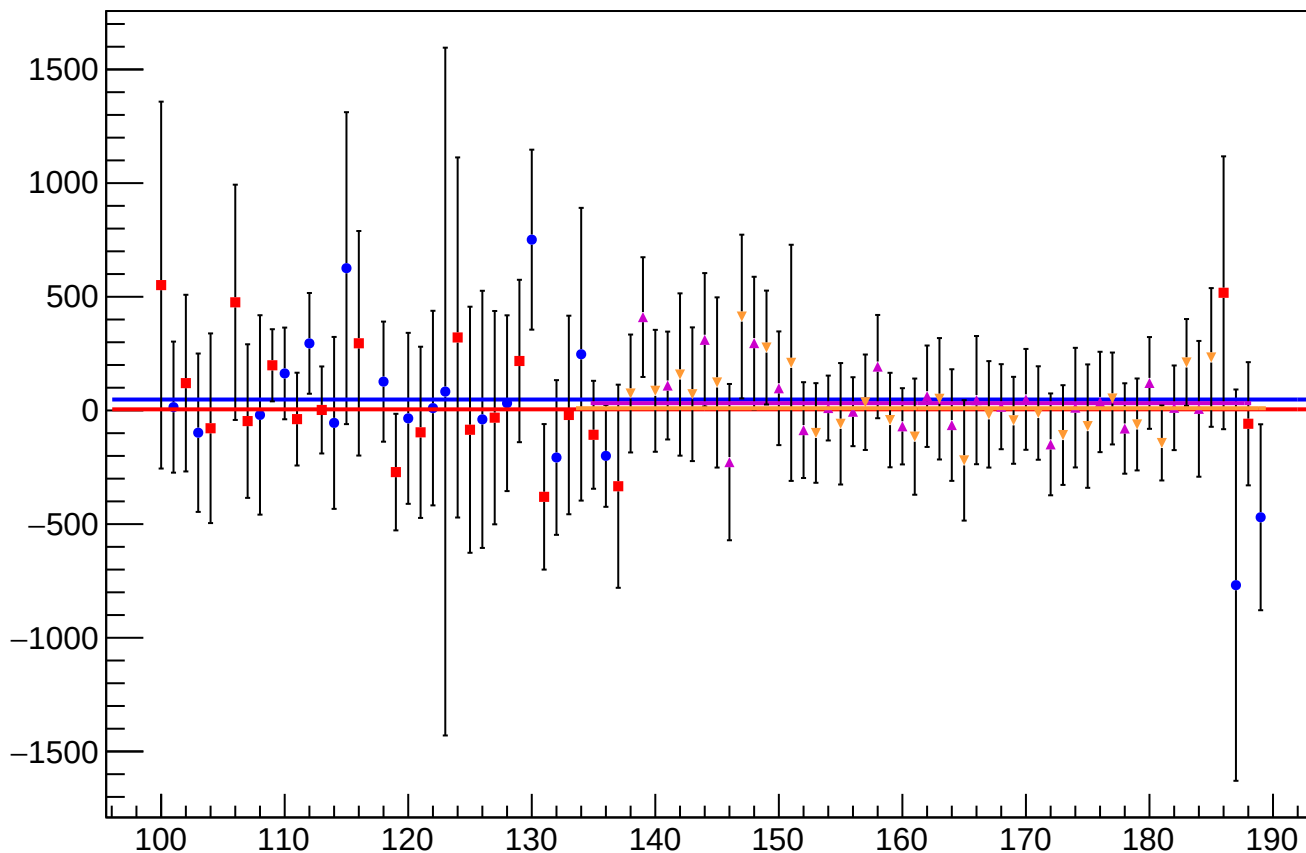
Right: 10.791 $\pm$ 0.002 χ^2 /NDF: 386719.7/39

In: 10.662 $\pm$ 0.002 χ^2 /NDF: 308086.9/41

Out: 10.790 $\pm$ 0.001 χ^2 /NDF: 355003.8/45

All: 10.728 $\pm$ 0.001 χ^2 /NDF: 666698.7/87

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

Left: 21.596 $\pm$ 32.837 χ^2 /NDF: 14.8/47

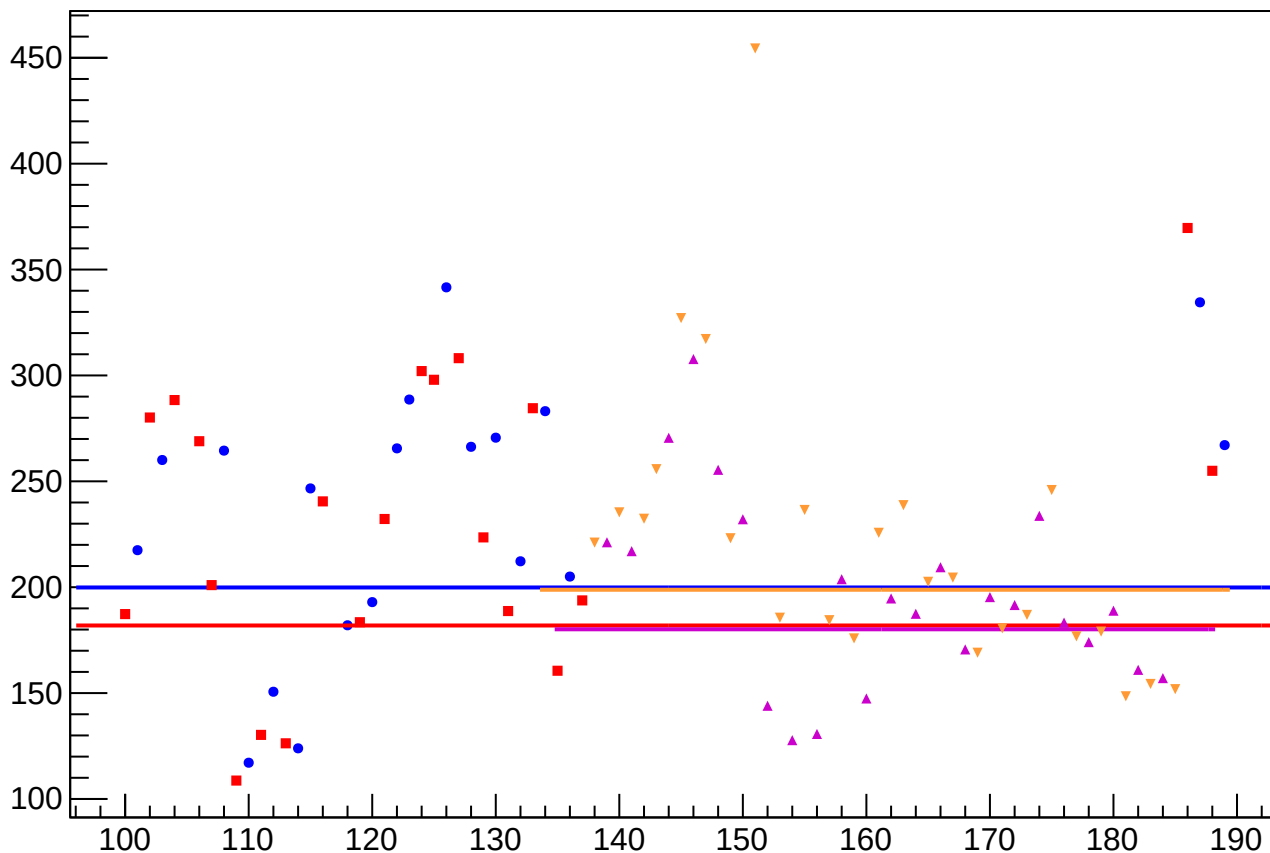
Right: 23.384 $\pm$ 51.524 χ^2 /NDF: 18.6/39

In: 35.962 $\pm$ 39.094 χ^2 /NDF: 17.5/41

Out: 8.165 $\pm$ 39.230 χ^2 /NDF: 15.7/45

All: 22.112 $\pm$ 27.692 χ^2 /NDF: 33.4/87

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 199.876 $\pm$ 0.056 χ^2 /NDF: 1088555.7/18

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF:1763119.1/24

Right Out: 181.922 $\pm$ 0.048 χ^2 /NDF: 1888026.7/20

Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

Left: 188.872 $\pm$ 0.023 χ^2 /NDF: 3518071.9/47

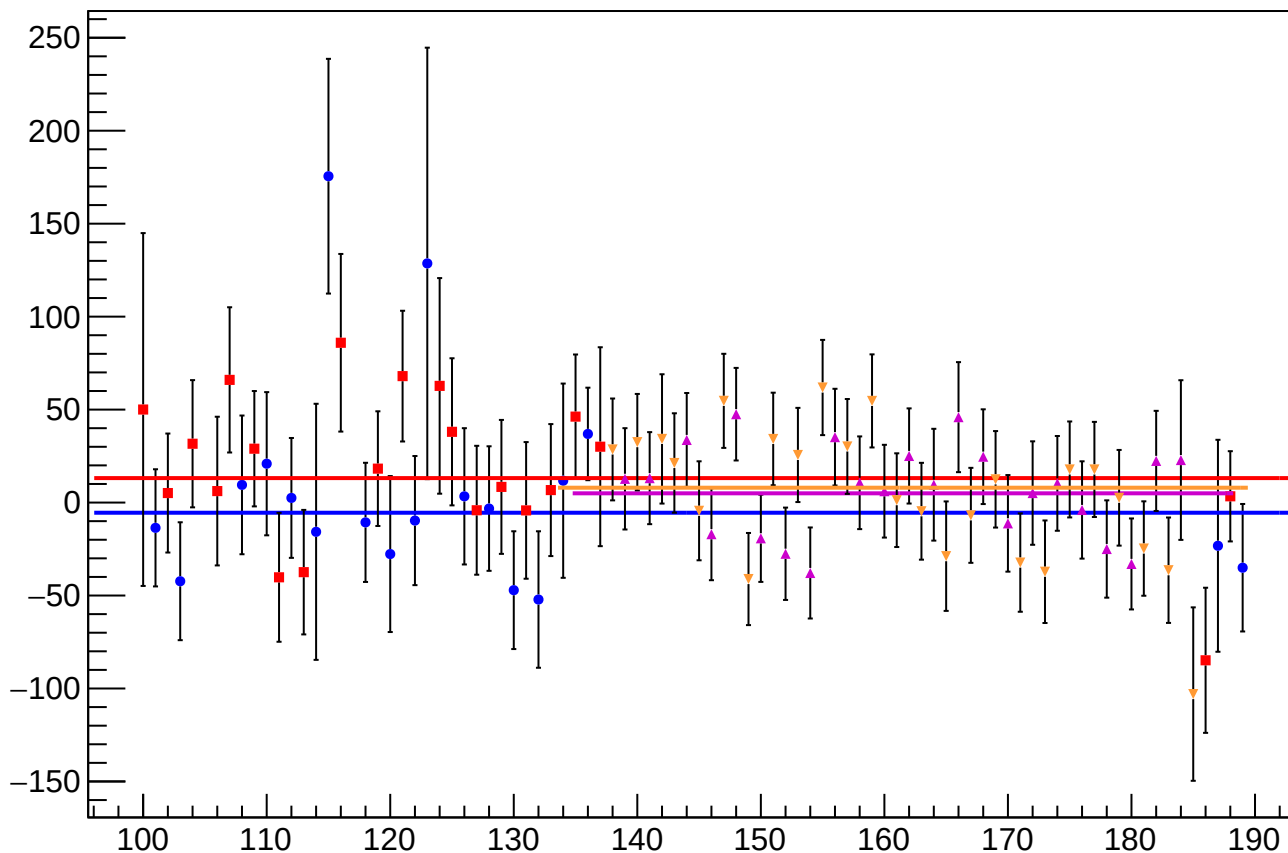
Right: 189.611 $\pm$ 0.036 χ^2 /NDF: 3036040.9/39

In: 184.993 $\pm$ 0.028 χ^2 /NDF:2777247.0/41

Out: 193.206 $\pm$ 0.028 χ^2 /NDF:3733176.5/45

All: 189.085 $\pm$ 0.020 χ^2 /NDF: 6554405.8/87

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.470 ± 8.519 χ^2/NDF : 19.3/18

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: 13.160 ± 7.916 χ^2/NDF : 21.3/20

Left In: 4.973 ± 5.444 χ^2/NDF : 20.5/22

Left: 6.514 ± 3.808 χ^2/NDF : 58.0/47

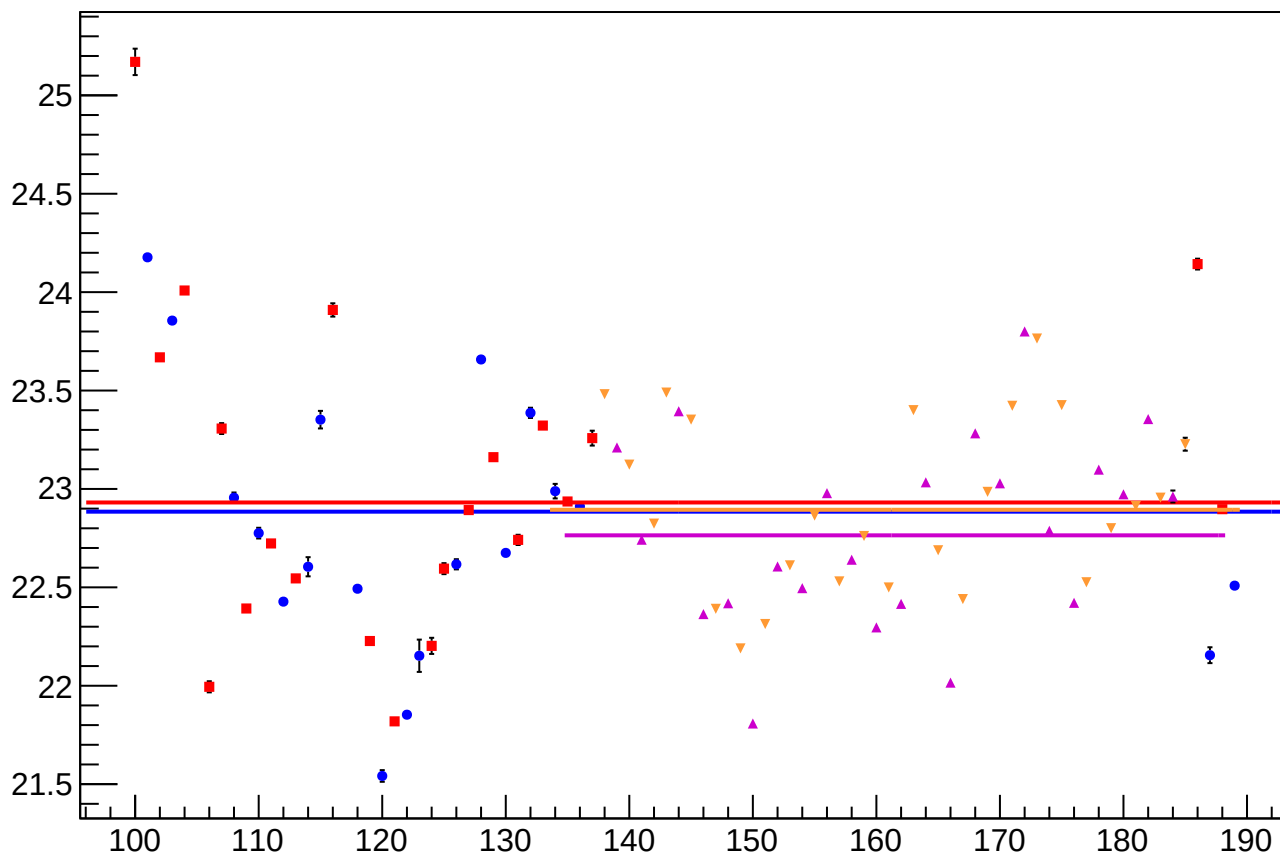
Right: 4.527 ± 5.799 χ^2/NDF : 43.1/39

In: 1.944 ± 4.588 χ^2/NDF : 40.8/41

Out: 9.601 ± 4.420 χ^2/NDF : 59.0/45

All: 5.916 ± 3.183 χ^2/NDF : 101.2/87

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.885 ± 0.006 χ^2/NDF : 12215.6/18

Left Out: 22.894 ± 0.004 χ^2/NDF : 13070.5/24

Right Out: 22.931 ± 0.006 χ^2/NDF : 13109.2/20

Left In: 22.764 ± 0.004 χ^2/NDF : 14665.7/22

Left: 22.831 ± 0.003 χ^2/NDF : 28317.3/47

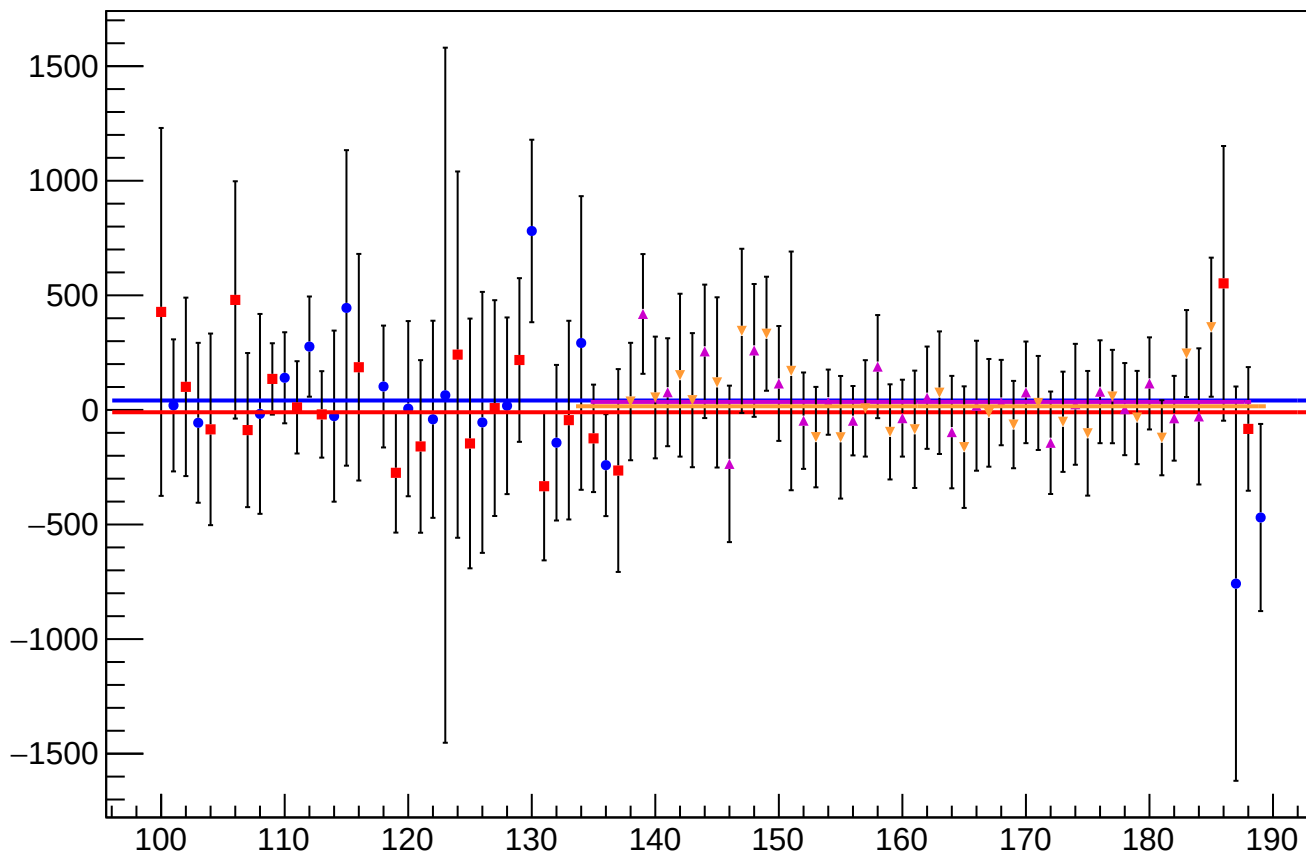
Right: 22.910 ± 0.004 χ^2/NDF : 25357.1/39

In: 22.799 ± 0.003 χ^2/NDF : 27164.3/41

Out: 22.906 ± 0.003 χ^2/NDF : 26210.0/45

All: 22.854 ± 0.002 χ^2/NDF : 53933.7/87

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

Left: 26.010 $\pm$ 32.785 χ^2 /NDF: 15.1/47

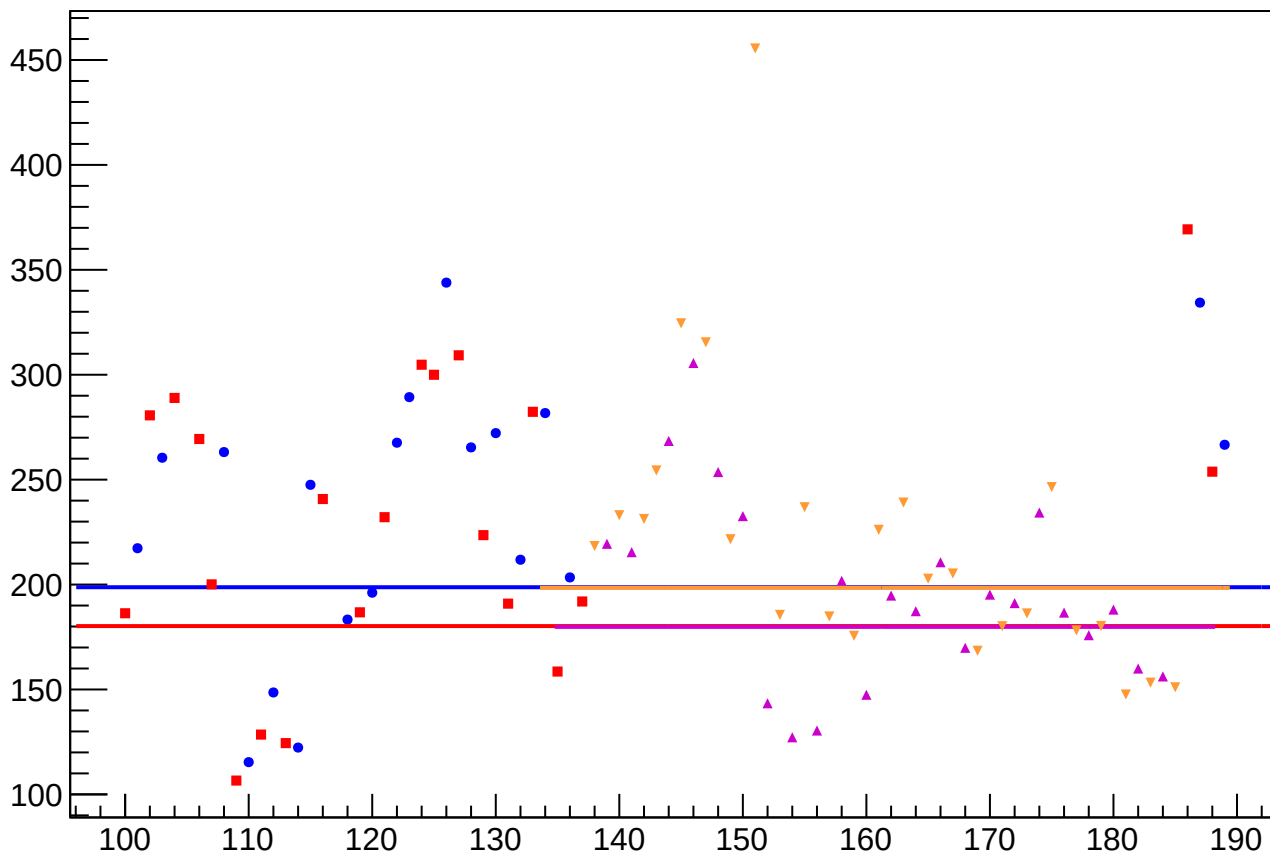
Right: 11.715 $\pm$ 51.231 χ^2 /NDF: 16.9/39

In: 36.453 $\pm$ 39.008 χ^2 /NDF:16.5/41

Out: 7.194 $\pm$ 39.098 χ^2 /NDF:15.2/45

All: 21.857 $\pm$ 27.615 χ^2 /NDF: 32.0/87

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left: 188.558 $\pm$ 0.023 χ^2 /NDF: 3510745.5/47

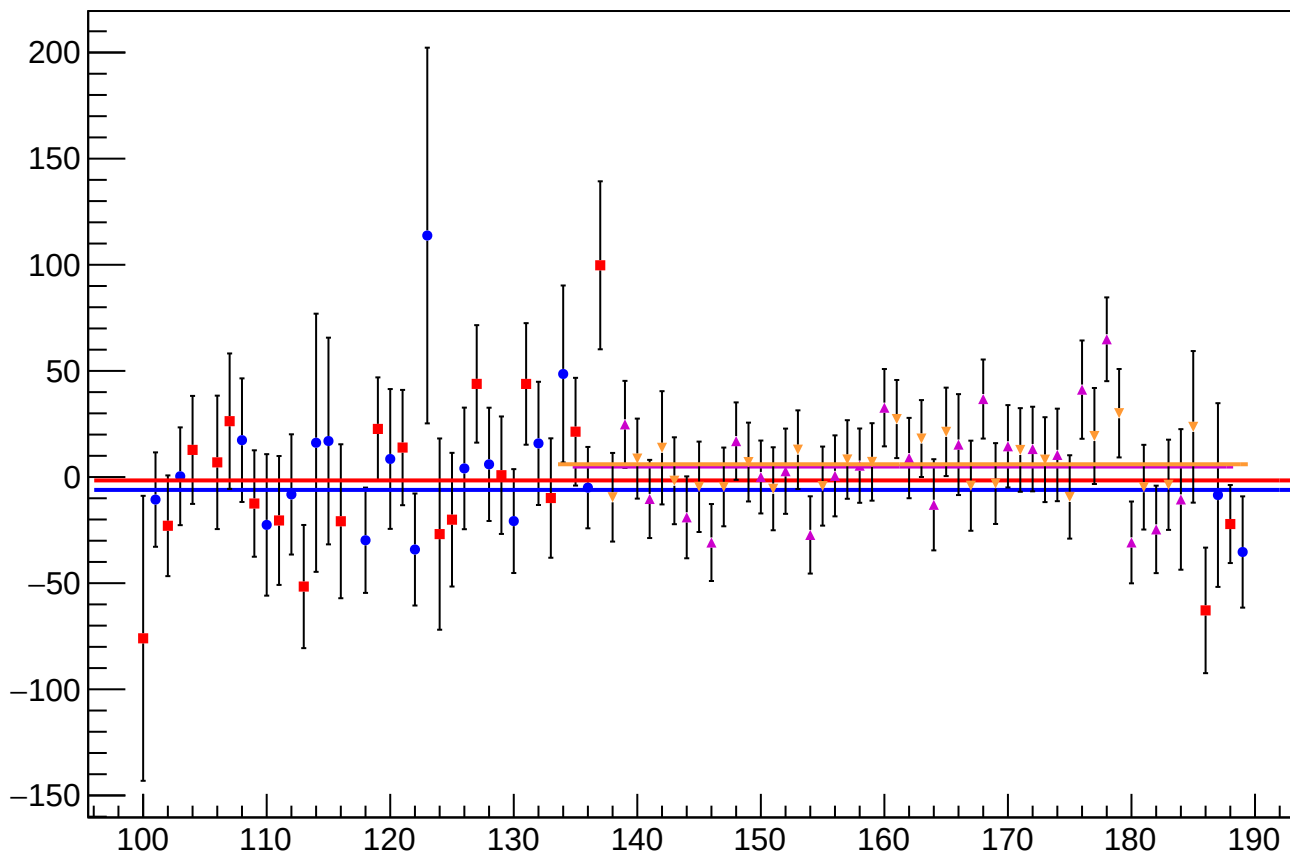
Right: 188.120 $\pm$ 0.036 χ^2 /NDF: 3158053.2/39

In: 184.516 $\pm$ 0.028 χ^2 /NDF:2807605.3/41

Out: 192.364 $\pm$ 0.028 χ^2 /NDF:3820907.5/45

All: 188.431 $\pm$ 0.020 χ^2 /NDF: 6668902.6/87

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.066+/-6.622 χ^2/NDF : 9.7/18

Left Out: 6.020+/-4.017 χ^2/NDF : 8.1/24

Right Out: -1.589+/-6.189 χ^2/NDF : 27.2/20

Left In: 4.943+/-4.108 χ^2/NDF : 34.8/22

Left: 5.494+/-2.872 χ^2/NDF : 43.0/47

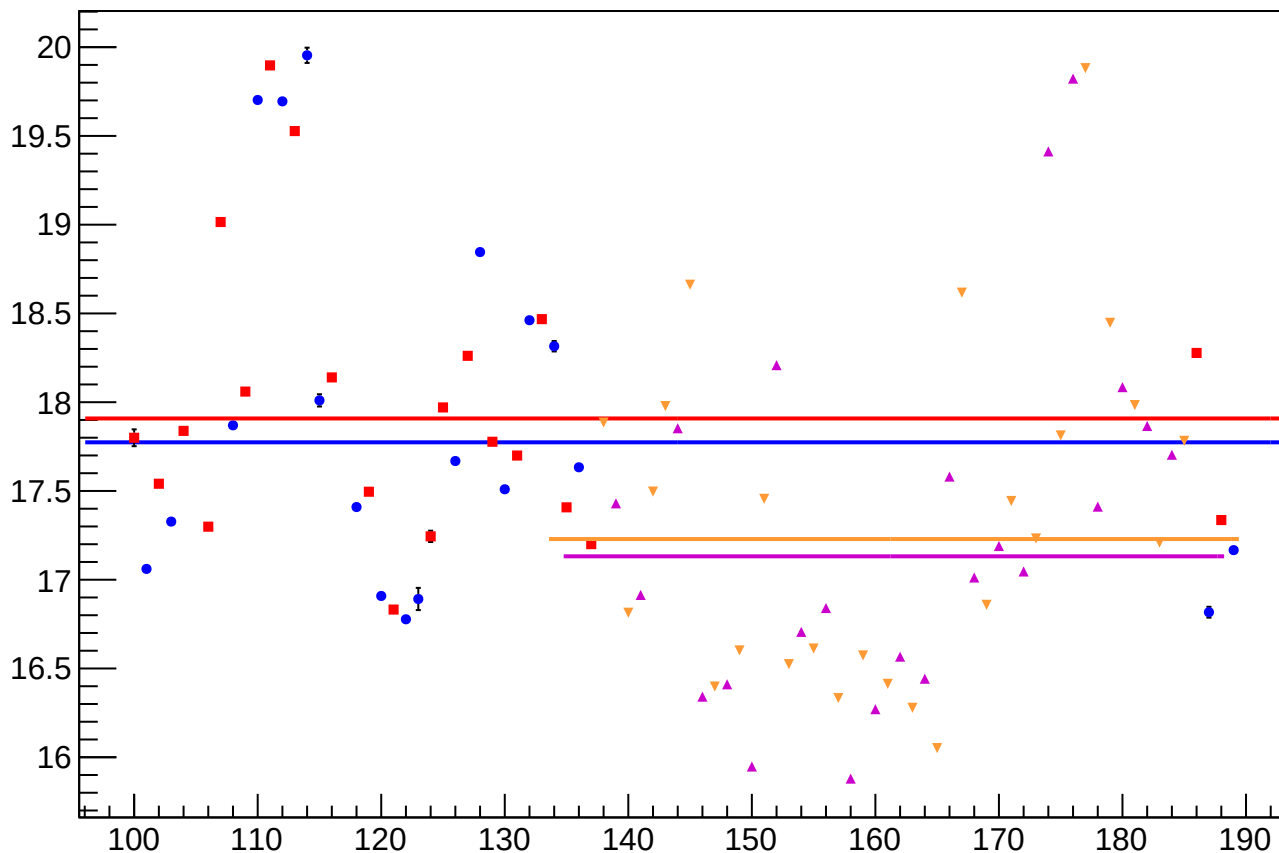
Right: -3.676+/-4.522 χ^2/NDF : 37.2/39

In: 1.885+/-3.491 χ^2/NDF : 46.5/41

Out: 3.765+/-3.370 χ^2/NDF : 36.4/45

All: 2.858+/-2.424 χ^2/NDF : 83.1/87

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left: 17.182 $\pm$ 0.002 χ^2 /NDF: 203195.4/47

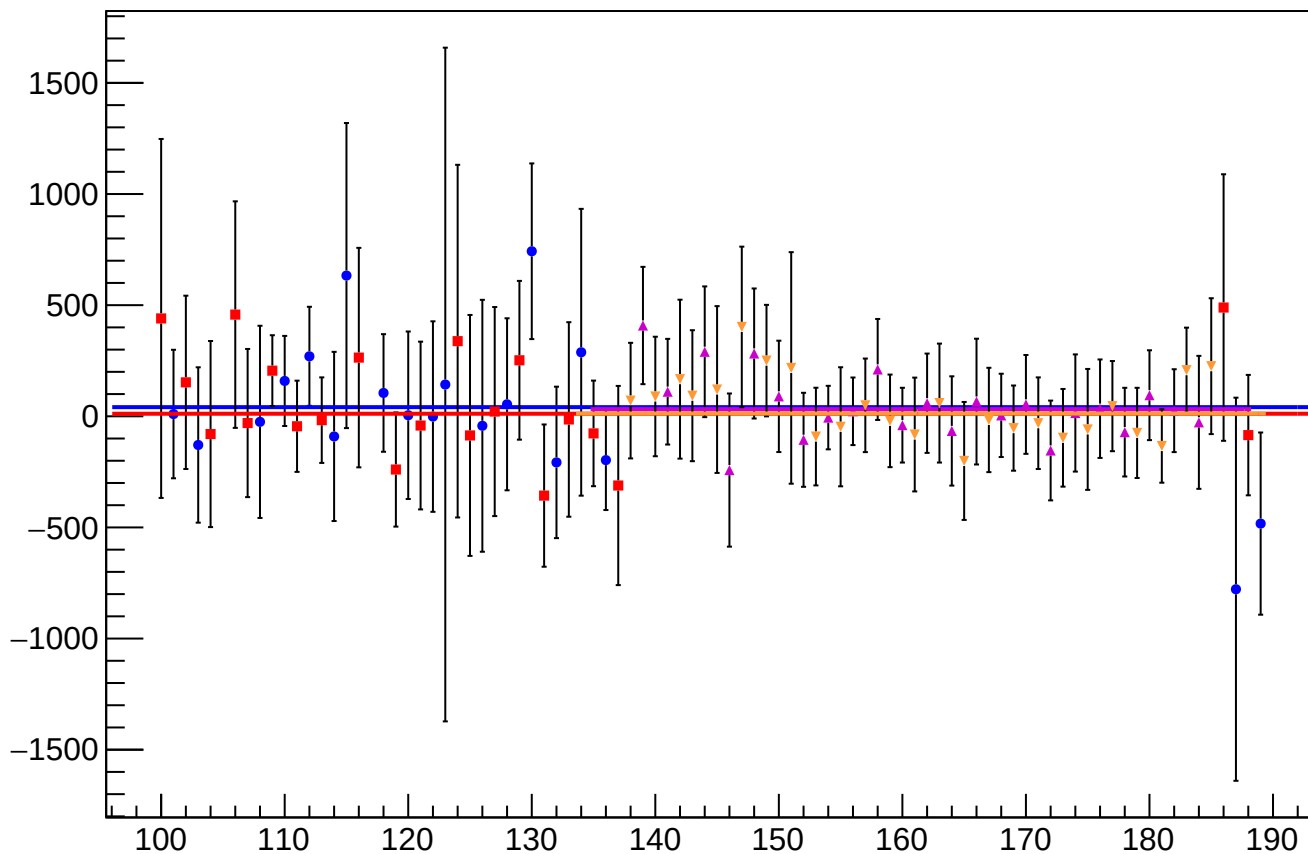
Right: 17.846 $\pm$ 0.003 χ^2 /NDF: 61476.1/39

In: 17.310 $\pm$ 0.002 χ^2 /NDF:150895.6/41

Out: 17.430 $\pm$ 0.002 χ^2 /NDF:143294.1/45

All: 17.372 $\pm$ 0.002 χ^2 /NDF: 295417.0/87

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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

Left: 22.940+/-32.908 χ^2/NDF : 13.9/47

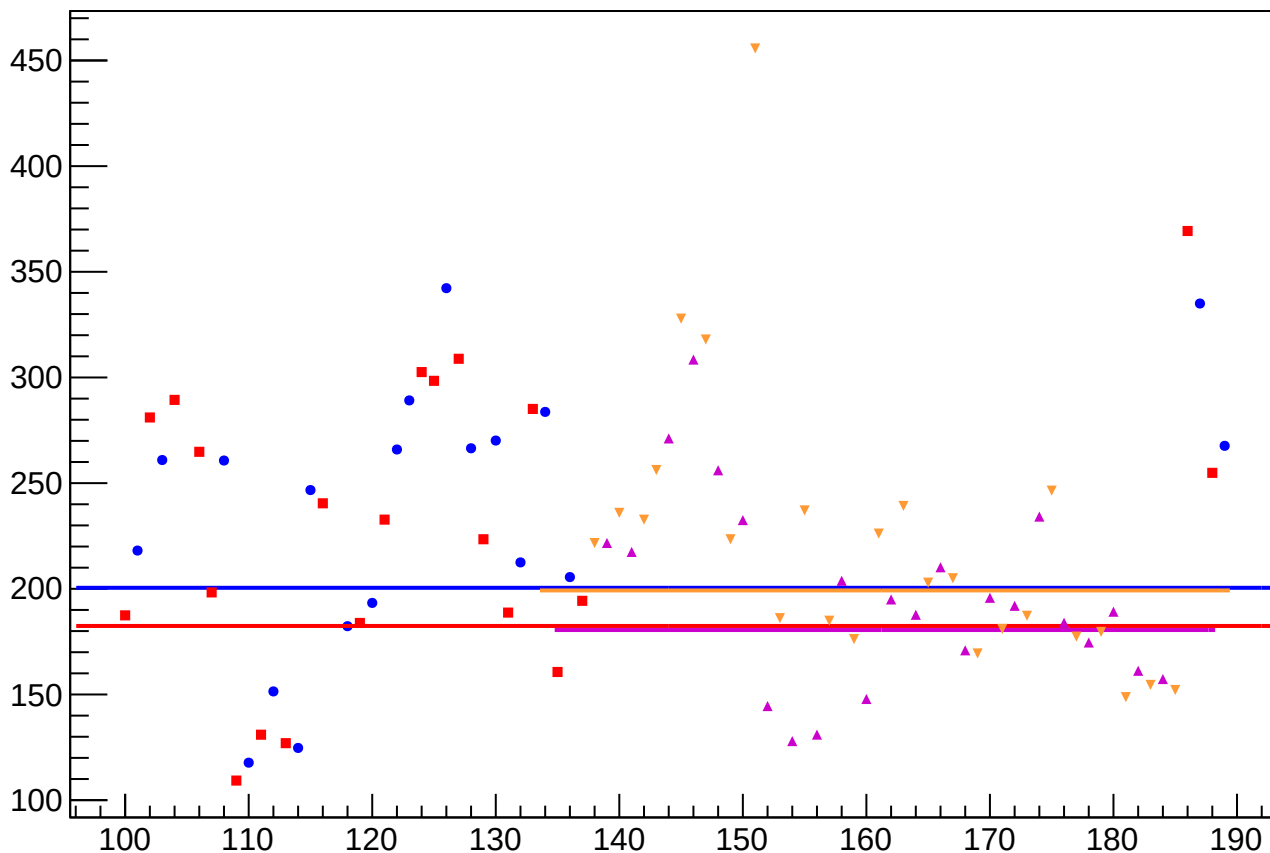
Right: 24.192+/-51.639 χ^2/NDF : 17.7/39

In: 34.375+/-39.178 χ^2/NDF : 17.1/41

Out: 12.150+/-39.315 χ^2/NDF : 14.3/45

All: 23.302+/-27.751 χ^2/NDF : 31.5/87

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 189.274 $\pm$ 0.023 χ^2 /NDF: 3519511.1/47

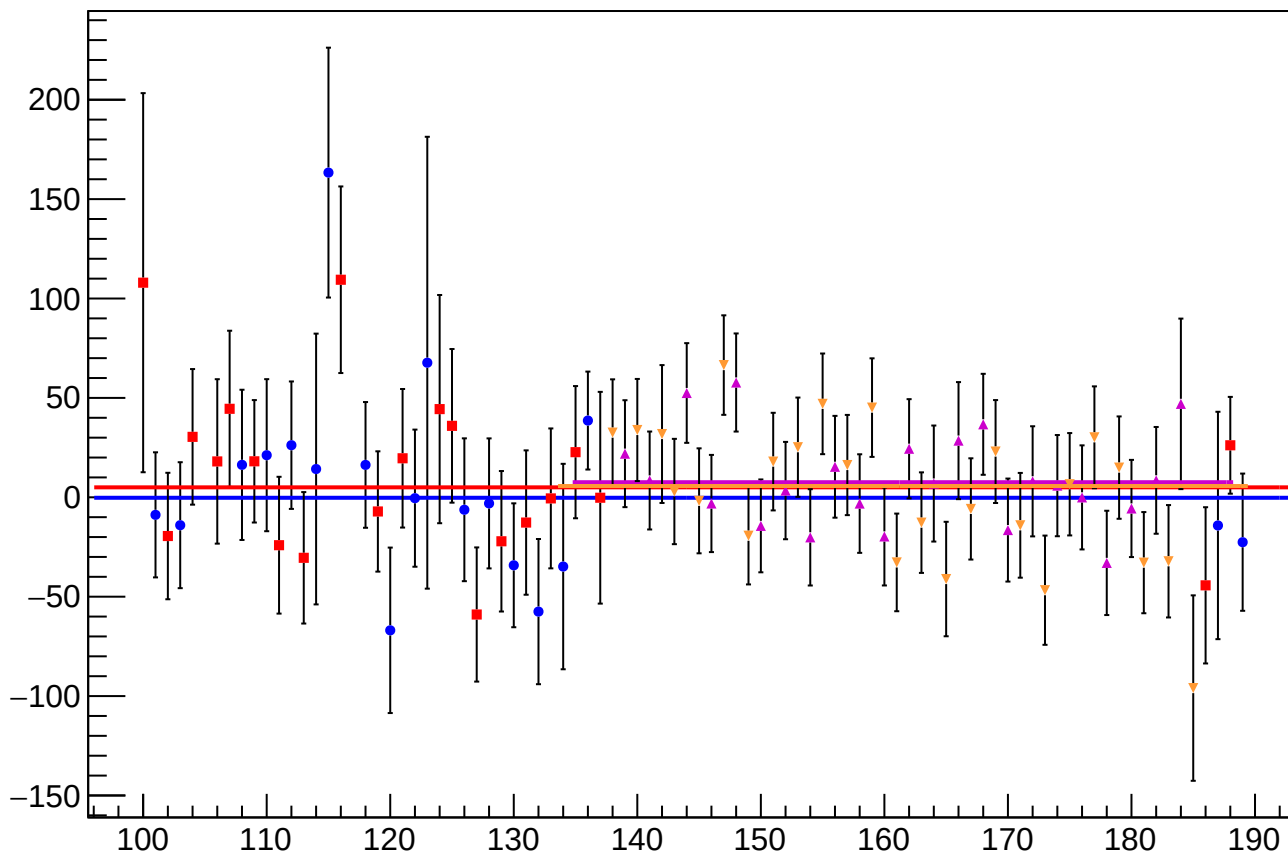
Right: 190.155 $\pm$ 0.037 χ^2 /NDF: 2999381.9/39

In: 185.419 $\pm$ 0.028 χ^2 /NDF:2763464.3/41

Out: 193.666 $\pm$ 0.028 χ^2 /NDF:3711683.8/45

All: 189.528 $\pm$ 0.020 χ^2 /NDF: 6519307.0/87

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.237 ± 8.457 χ^2/NDF : 18.6/18

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: 5.006 ± 7.861 χ^2/NDF : 18.9/20

Left In: 7.594 ± 5.402 χ^2/NDF : 18.3/22

Left: 6.611 ± 3.775 χ^2/NDF : 54.8/47

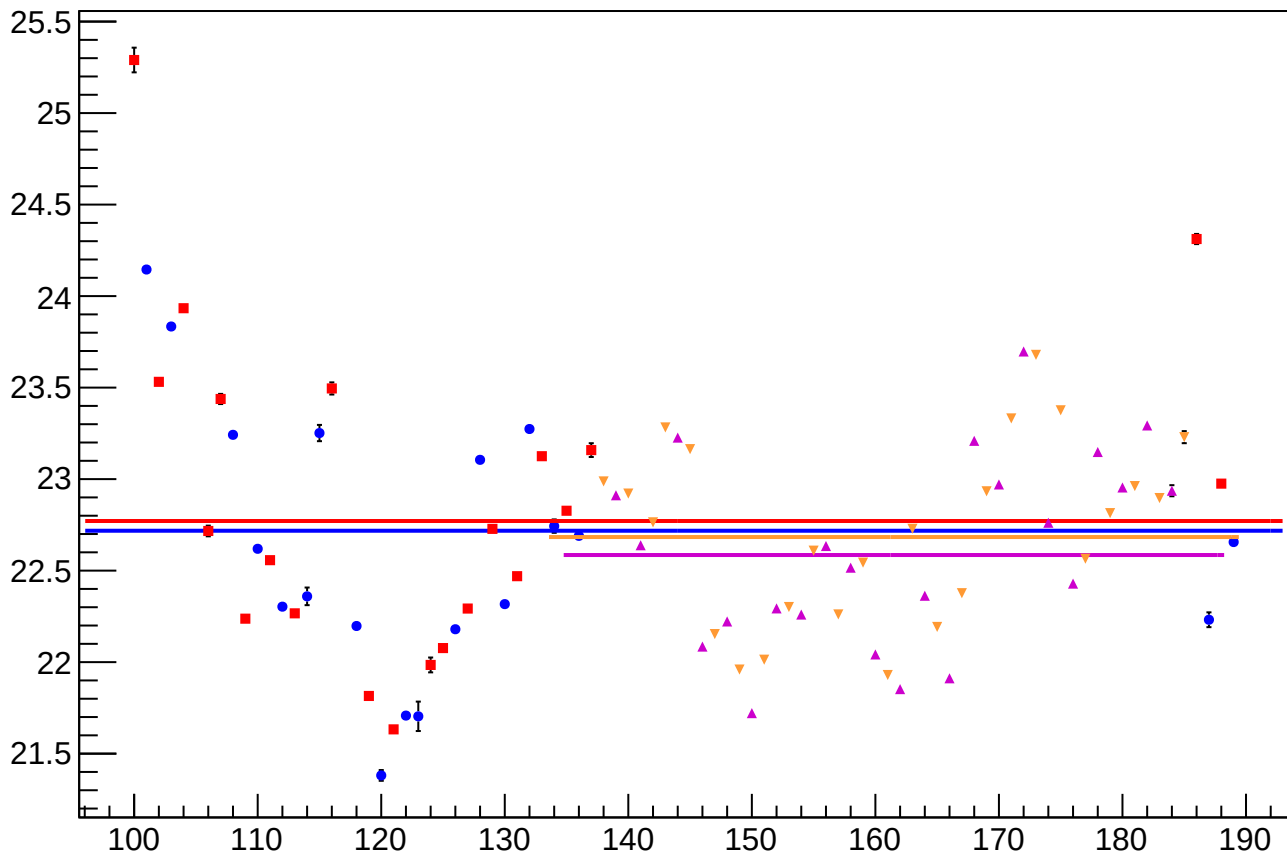
Right: 2.576 ± 5.758 χ^2/NDF : 37.7/39

In: 5.324 ± 4.552 χ^2/NDF : 37.5/41

Out: 5.466 ± 4.382 χ^2/NDF : 55.3/45

All: 5.398 ± 3.157 χ^2/NDF : 92.8/87

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

Left: 22.635 $\pm$ 0.003 χ^2 /NDF: 34743.7/47

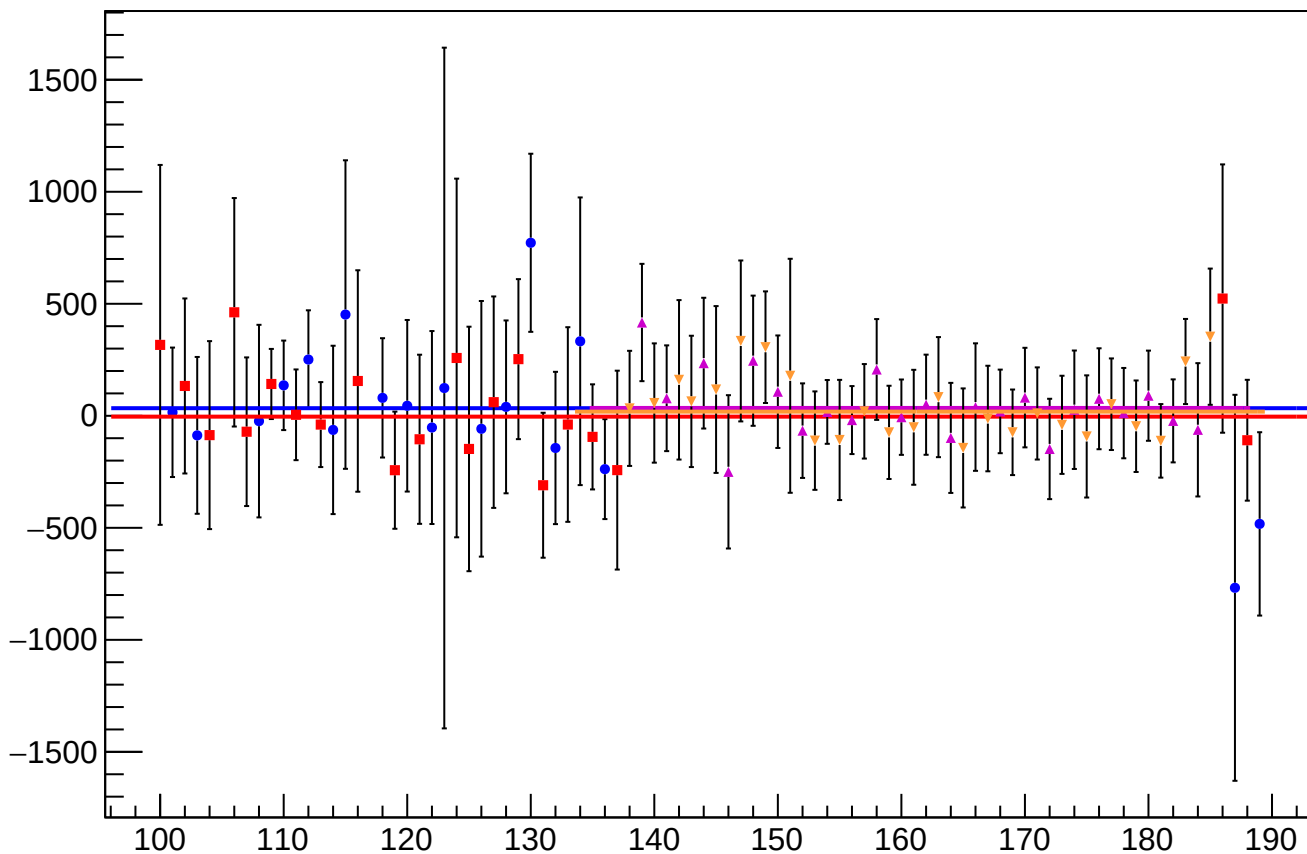
Right: 22.746 $\pm$ 0.004 χ^2 /NDF: 30014.1/39

In: 22.624 $\pm$ 0.003 χ^2 /NDF:32124.8/41

Out: 22.711 $\pm$ 0.003 χ^2 /NDF:32773.6/45

All: 22.669 $\pm$ 0.002 χ^2 /NDF: 65277.4/87

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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

Left: 27.358 $\pm$ 32.855 χ^2 /NDF: 13.9/47

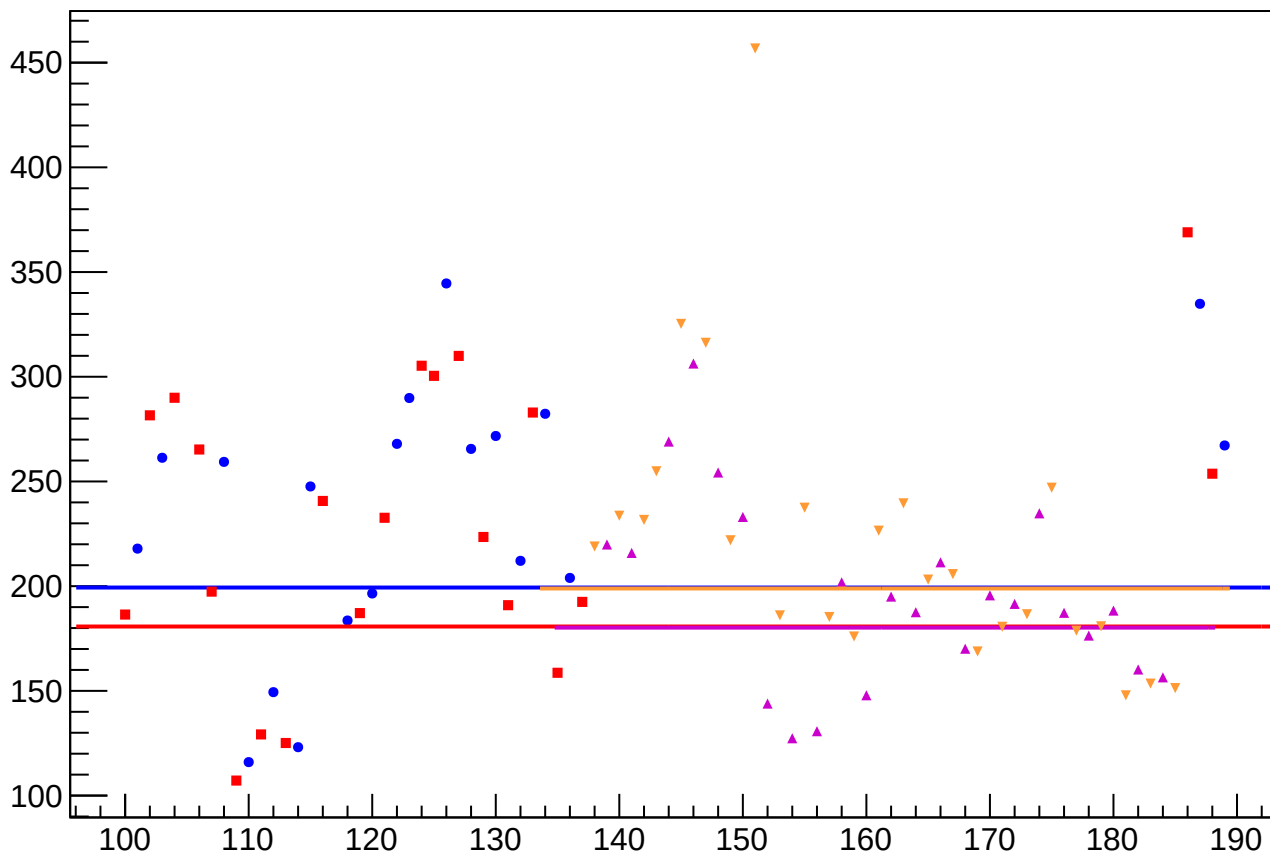
Right: 12.365 $\pm$ 51.347 χ^2 /NDF: 16.0/39

In: 34.784 $\pm$ 39.093 χ^2 /NDF: 16.1/41

Out: 11.166 $\pm$ 39.184 χ^2 /NDF: 13.8/45

All: 23.003 $\pm$ 27.675 χ^2 /NDF: 30.0/87

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 188.959 $\pm$ 0.023 χ^2 /NDF: 3512499.2/47

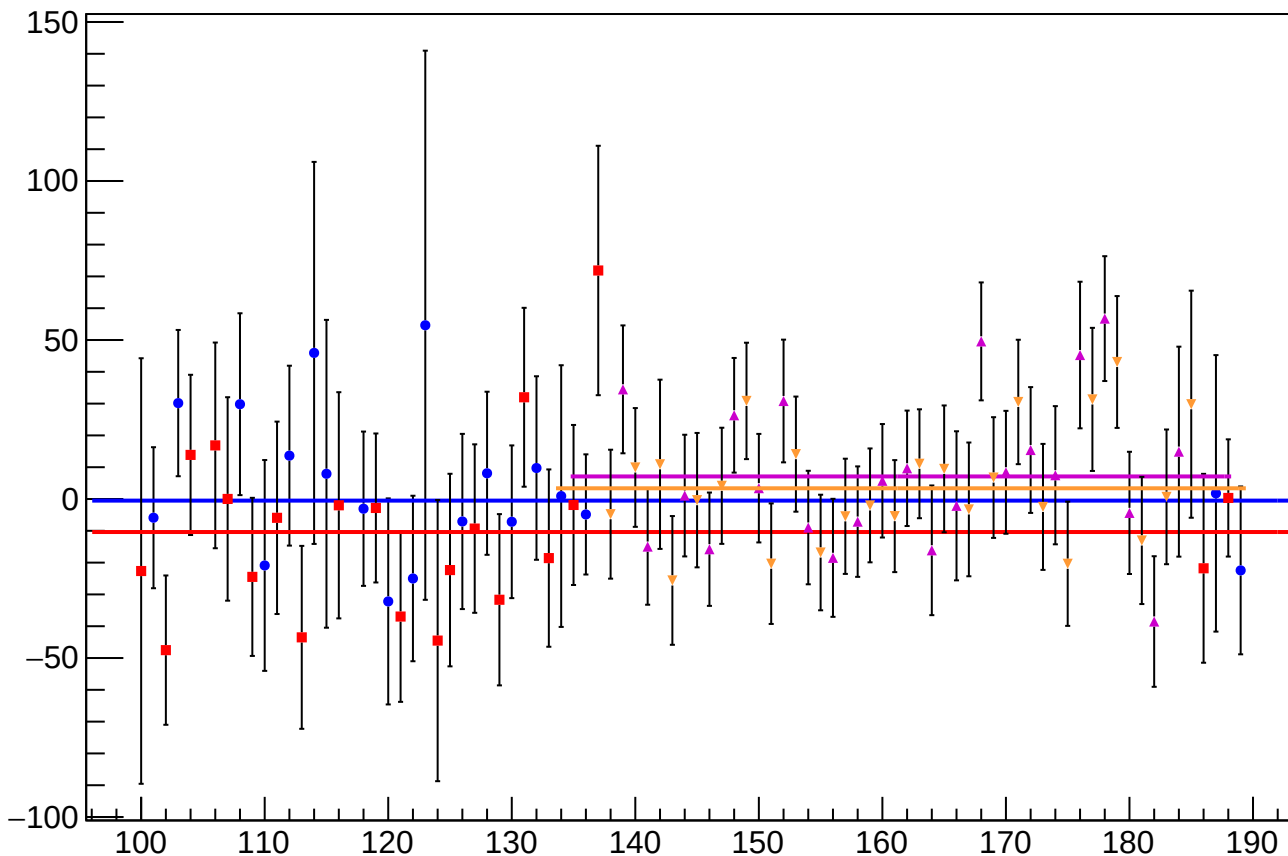
Right: 188.678 $\pm$ 0.036 χ^2 /NDF: 3119599.5/39

In: 184.942 $\pm$ 0.028 χ^2 /NDF:2793394.2/41

Out: 192.830 $\pm$ 0.028 χ^2 /NDF:3798131.2/45

All: 188.877 $\pm$ 0.020 χ^2 /NDF: 6632141.1/87

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: 5.189 ± 2.826 χ^2/NDF : 51.8/47

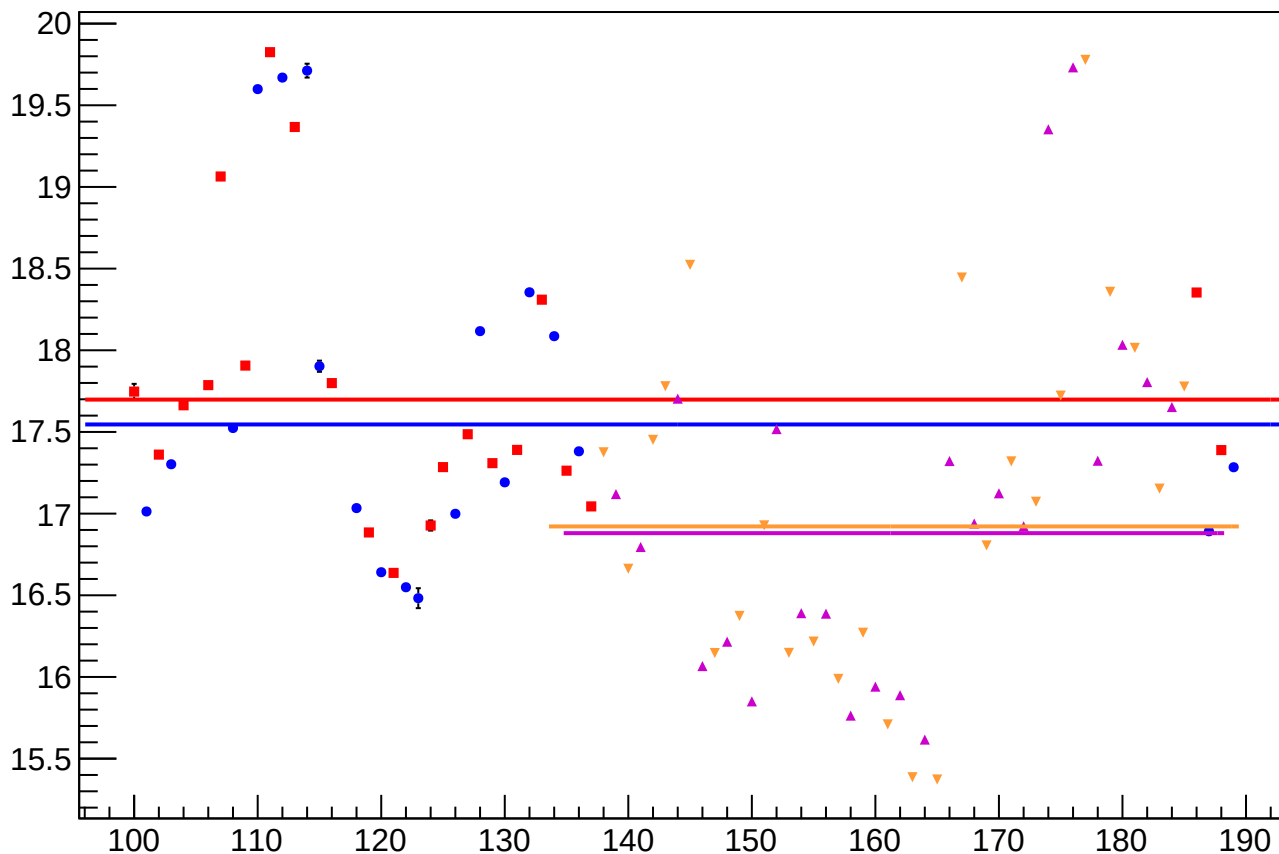
Right: -5.769 ± 4.466 χ^2/NDF : 24.6/39

In: 4.992 ± 3.441 χ^2/NDF : 41.1/41

Out: -0.671 ± 3.316 χ^2/NDF : 38.2/45

All: 2.056 ± 2.388 χ^2/NDF : 80.7/87

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

Left: 16.901 $\pm$ 0.002 χ^2/NDF : 260831.8/47

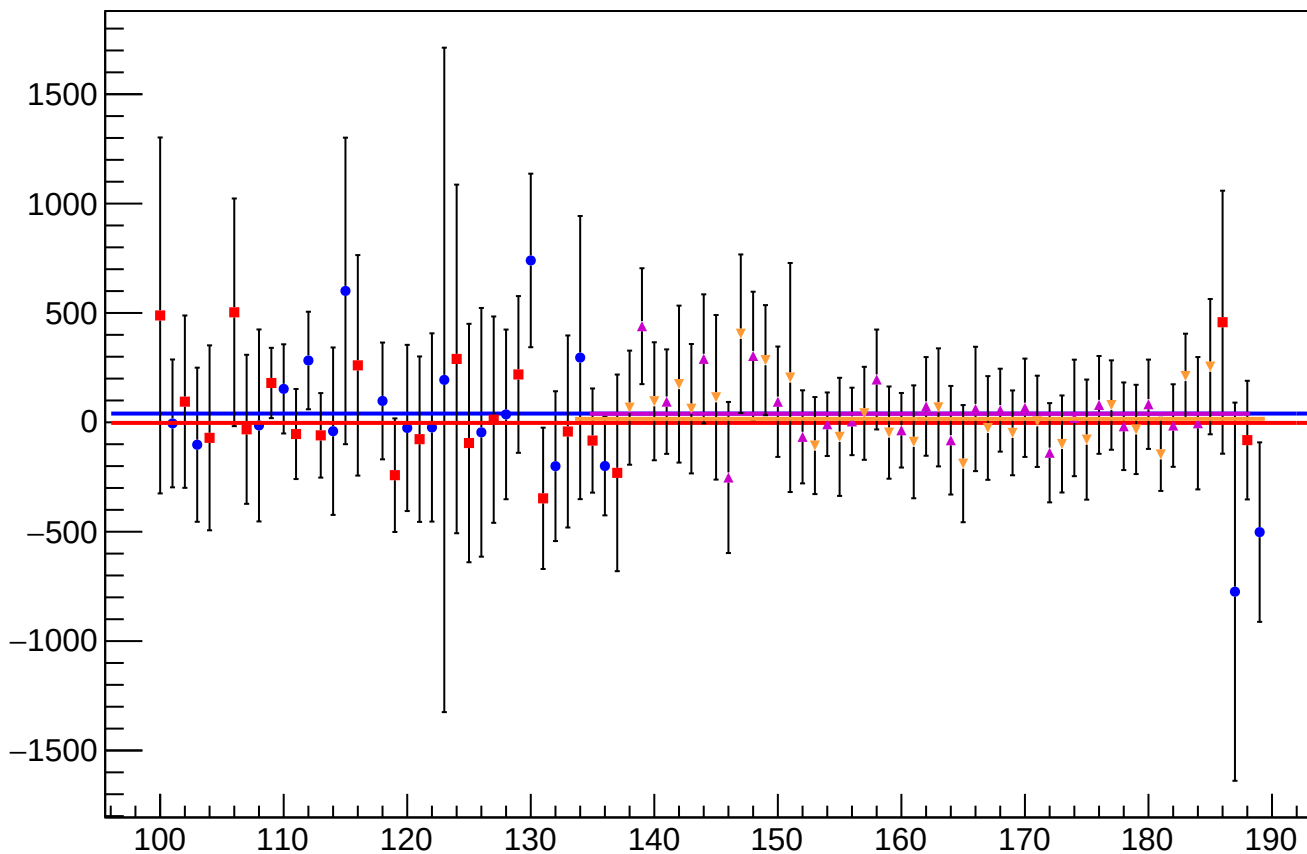
Right: 17.627 $\pm$ 0.003 χ^2/NDF : 66054.9/39

In: 17.065 $\pm$ 0.002 χ^2/NDF :170381.5/41

Out: 17.150 $\pm$ 0.002 χ^2/NDF :193574.7/45

All: 17.109 $\pm$ 0.002 χ^2/NDF : 364587.7/87

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 40.174 $\pm$ 79.371 χ^2 /NDF: 10.0/18

Left Out: 15.970 $\pm$ 48.503 χ^2 /NDF: 7.4/24

Right Out: -2.571 $\pm$ 68.731 χ^2 /NDF: 6.7/20

Left In: 39.377 $\pm$ 45.571 χ^2 /NDF: 6.9/22

Left: 28.402 $\pm$ 33.212 χ^2 /NDF: 14.4/47

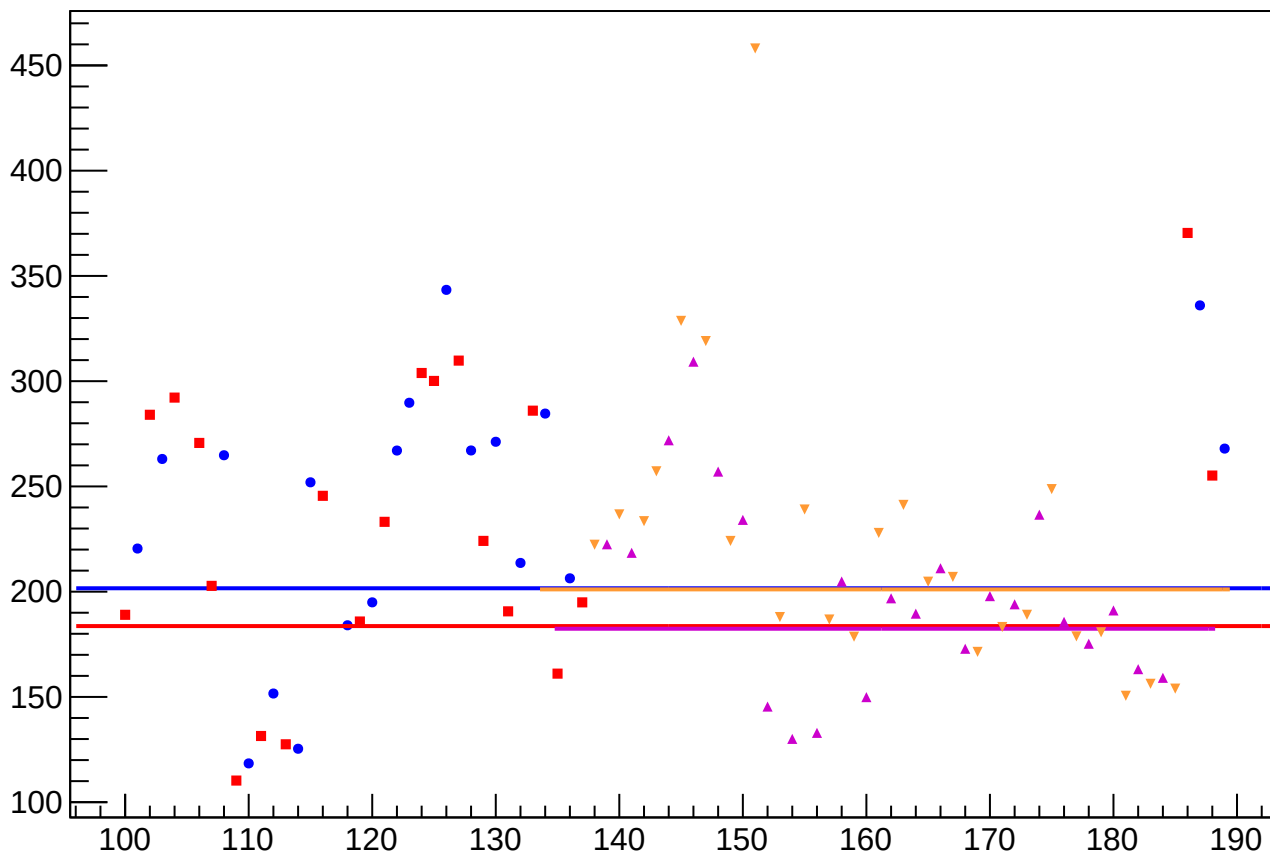
Right: 15.746 $\pm$ 51.958 χ^2 /NDF: 16.9/39

In: 39.574 $\pm$ 39.520 χ^2 /NDF: 16.9/41

Out: 9.806 $\pm$ 39.629 χ^2 /NDF: 14.2/45

All: 24.731 $\pm$ 27.983 χ^2 /NDF: 31.3/87

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 201.622+/-0.056 χ^2/NDF : 1076068.3/18

Left Out: 201.091+/-0.034 χ^2/NDF : 1731069.1/24

Right Out: 183.659+/-0.049 χ^2/NDF : 1869655.3/20

Left In: 182.396+/-0.032 χ^2/NDF : 1548907.7/22

Left: 191.161+/-0.023 χ^2/NDF : 3437793.2/47

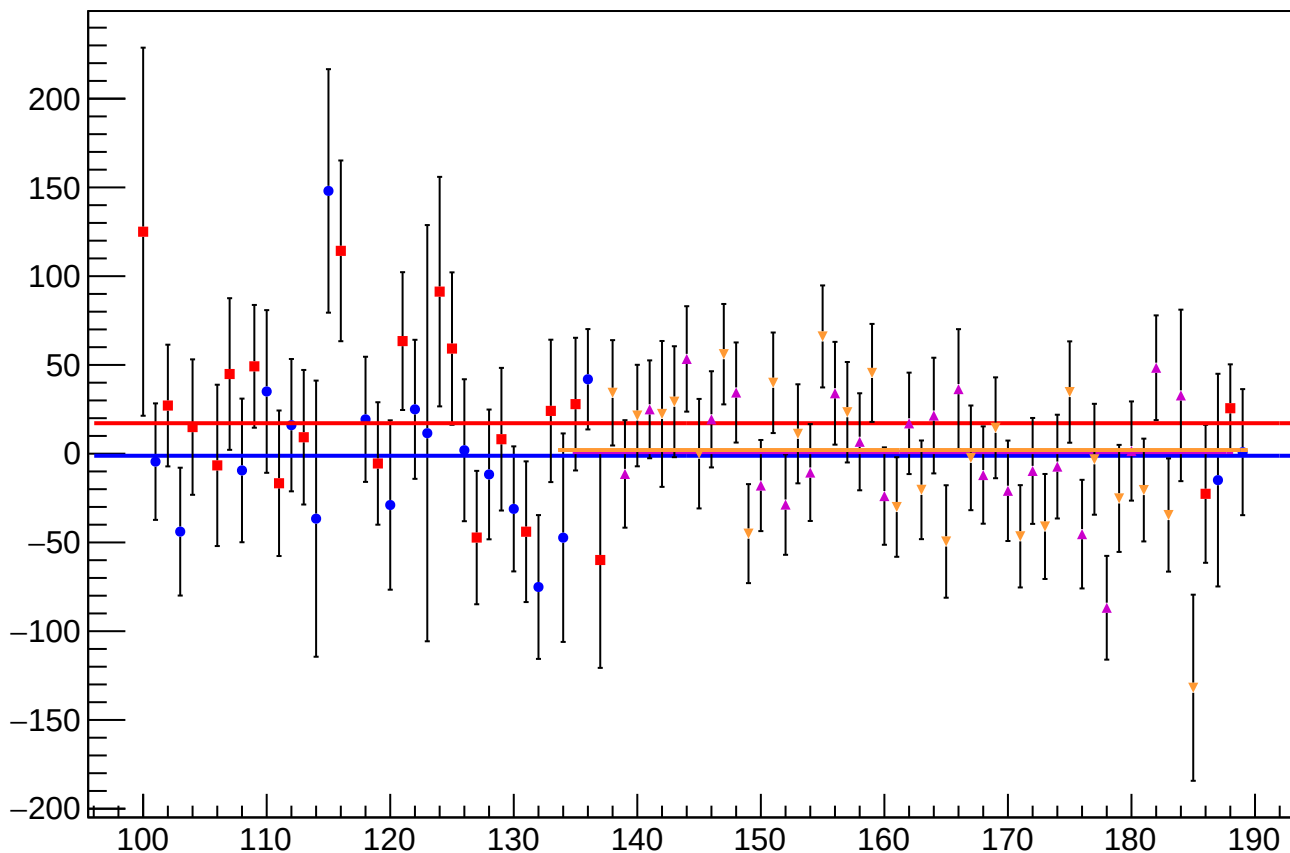
Right: 191.356+/-0.037 χ^2/NDF : 3004261.4/39

In: 187.162+/-0.028 χ^2/NDF : 2713228.6/41

Out: 195.296+/-0.028 χ^2/NDF : 3686607.3/45

All: 191.218+/-0.020 χ^2/NDF : 6442074.5/87

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left: 1.487 ± 4.256 χ^2/NDF : 66.5/47

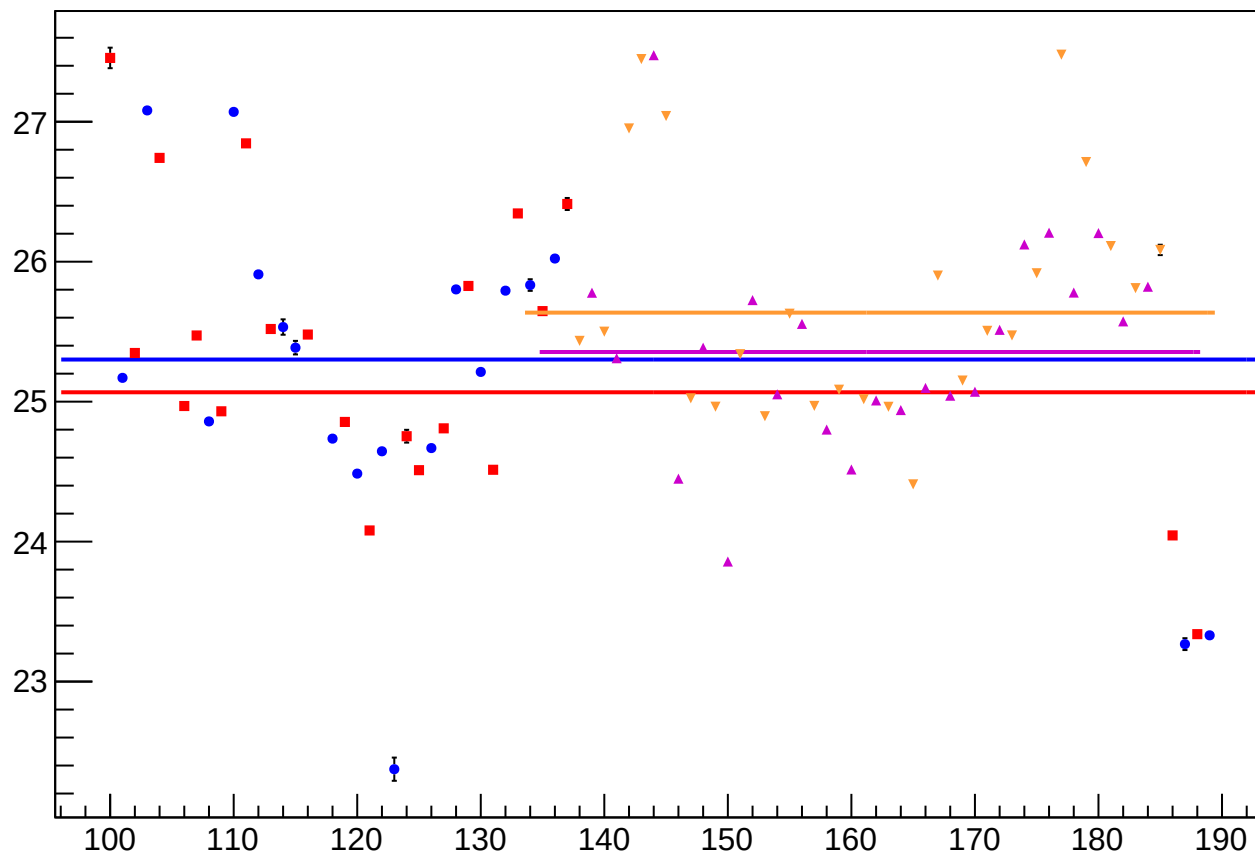
Right: 8.776 ± 6.377 χ^2/NDF : 37.0/39

In: 0.294 ± 5.103 χ^2/NDF : 42.6/41

Out: 6.924 ± 4.915 χ^2/NDF : 61.0/45

All: 3.733 ± 3.540 χ^2/NDF : 104.5/87

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.301+/-0.007 χ^2/NDF : 22711.3/18

Left Out: 25.636+/-0.004 χ^2/NDF : 35130.7/24

Right Out: 25.067+/-0.006 χ^2/NDF : 27054.9/20

Left In: 25.355+/-0.004 χ^2/NDF : 29766.2/22

Left: 25.498+/-0.003 χ^2/NDF : 67081.3/47

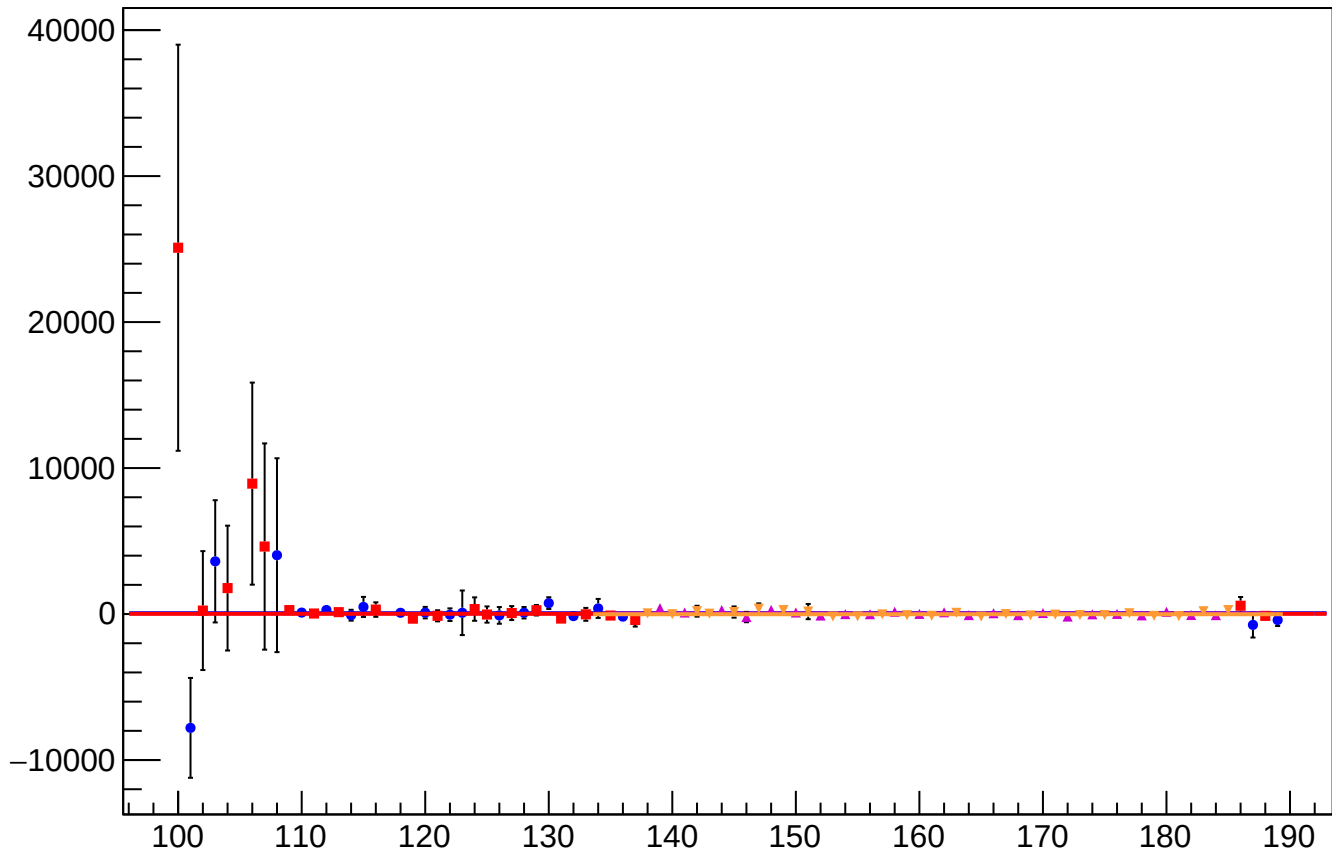
Right: 25.174+/-0.005 χ^2/NDF : 50434.8/39

In: 25.339+/-0.004 χ^2/NDF : 52523.6/41

Out: 25.453+/-0.003 χ^2/NDF : 68042.1/45

All: 25.398+/-0.003 χ^2/NDF : 121081.3/87

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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

Left: 7.994+/-33.236 χ^2/NDF : 15.7/47

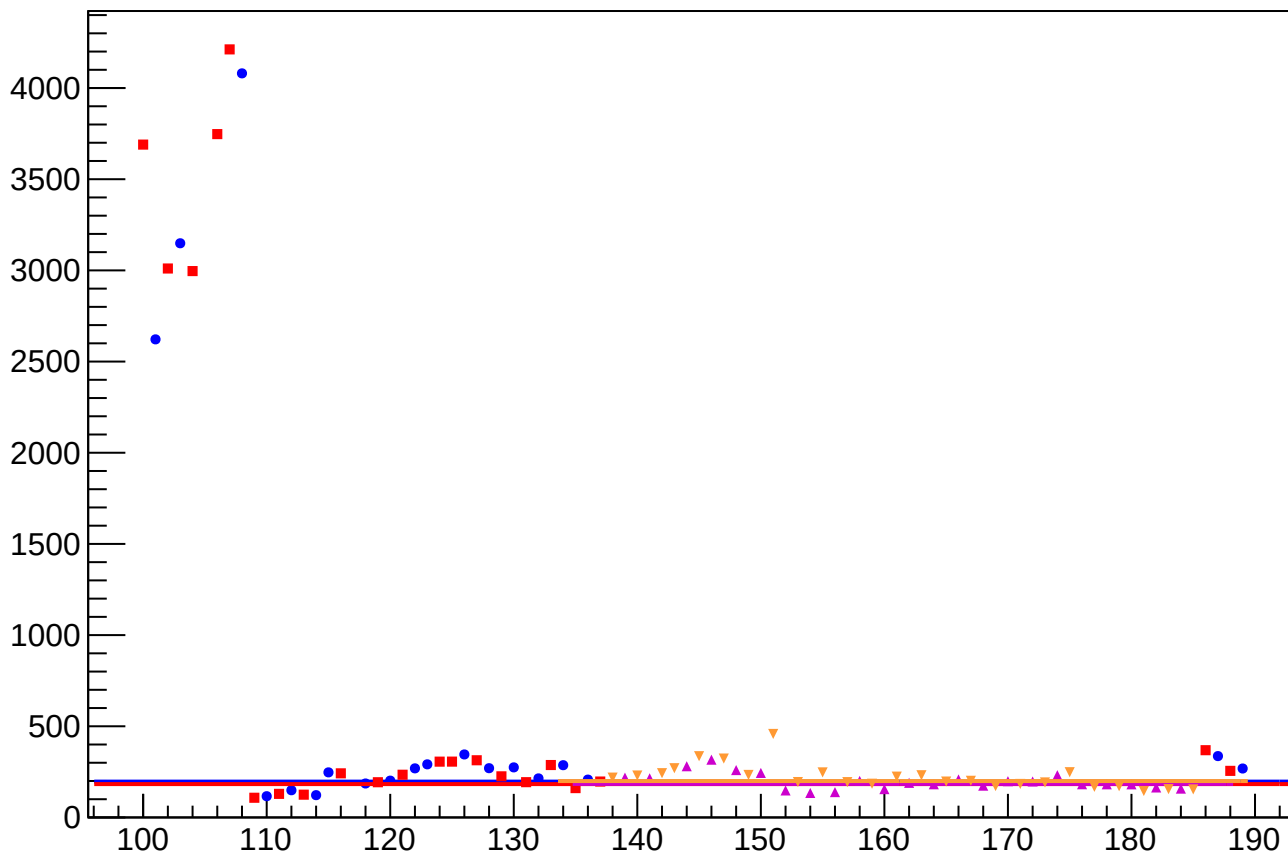
Right: 35.144+/-57.435 χ^2/NDF : 28.1/39

In: 33.665+/-40.508 χ^2/NDF : 22.4/41

Out: -4.383+/-40.858 χ^2/NDF : 21.1/45

All: 14.805+/-28.767 χ^2/NDF : 43.9/87

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.531+/-0.061 χ^2/NDF : 3695241.8/18

Left Out: 199.536+/-0.034 χ^2/NDF : 1880548.8/24

Right Out: 182.944+/-0.054 χ^2/NDF : 4566787.2/20

Left In: 184.031+/-0.032 χ^2/NDF : 1423454.3/22

Left: 191.398+/-0.024 χ^2/NDF : 3412539.0/47

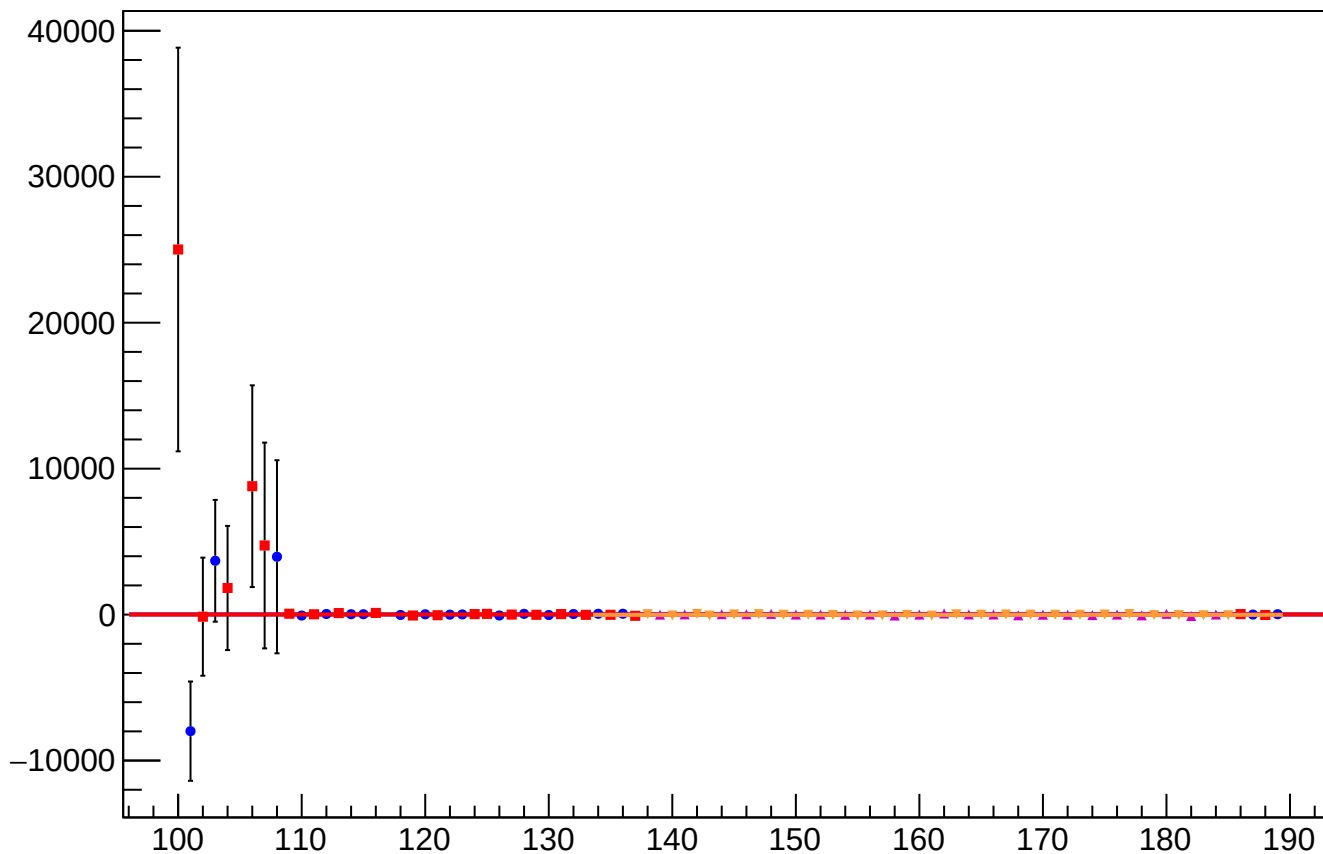
Right: 188.962+/-0.041 χ^2/NDF : 8289644.6/39

In: 186.785+/-0.029 χ^2/NDF : 5151407.5/41

Out: 194.858+/-0.029 χ^2/NDF : 6514098.6/45

All: 190.787+/-0.020 χ^2/NDF : 11704879.2/87

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 11.955+/-11.619 χ^2/NDF : 19.1/18

Left Out: -17.580+/-6.694 χ^2/NDF : 22.3/24

Right Out: 7.777+/-11.115 χ^2/NDF : 26.0/20

Left In: 1.038+/-6.880 χ^2/NDF : 32.4/22

Left: -8.527+/-4.798 χ^2/NDF : 58.5/47

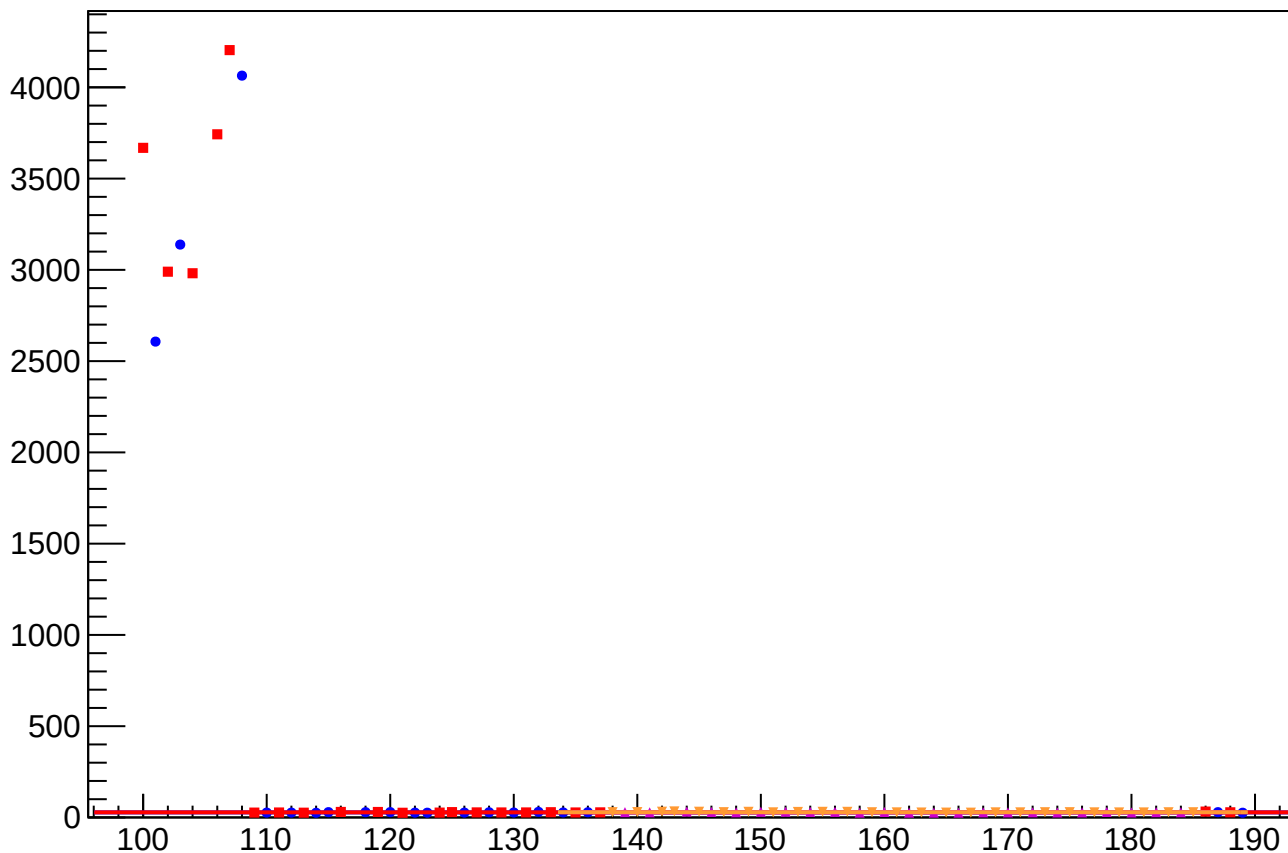
Right: 9.773+/-8.032 χ^2/NDF : 45.2/39

In: 3.872+/-5.920 χ^2/NDF : 52.2/41

Out: -10.831+/-5.734 χ^2/NDF : 52.1/45

All: -3.715+/-4.119 χ^2/NDF : 107.5/87

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.733+/-0.008 χ^2/NDF : 3032863.2/18

Left Out: 28.691+/-0.005 χ^2/NDF : 110483.8/24

Right Out: 27.990+/-0.008 χ^2/NDF : 3491221.4/20

Left In: 28.673+/-0.005 χ^2/NDF : 124751.4/22

Left: 28.682+/-0.003 χ^2/NDF : 235242.3/47

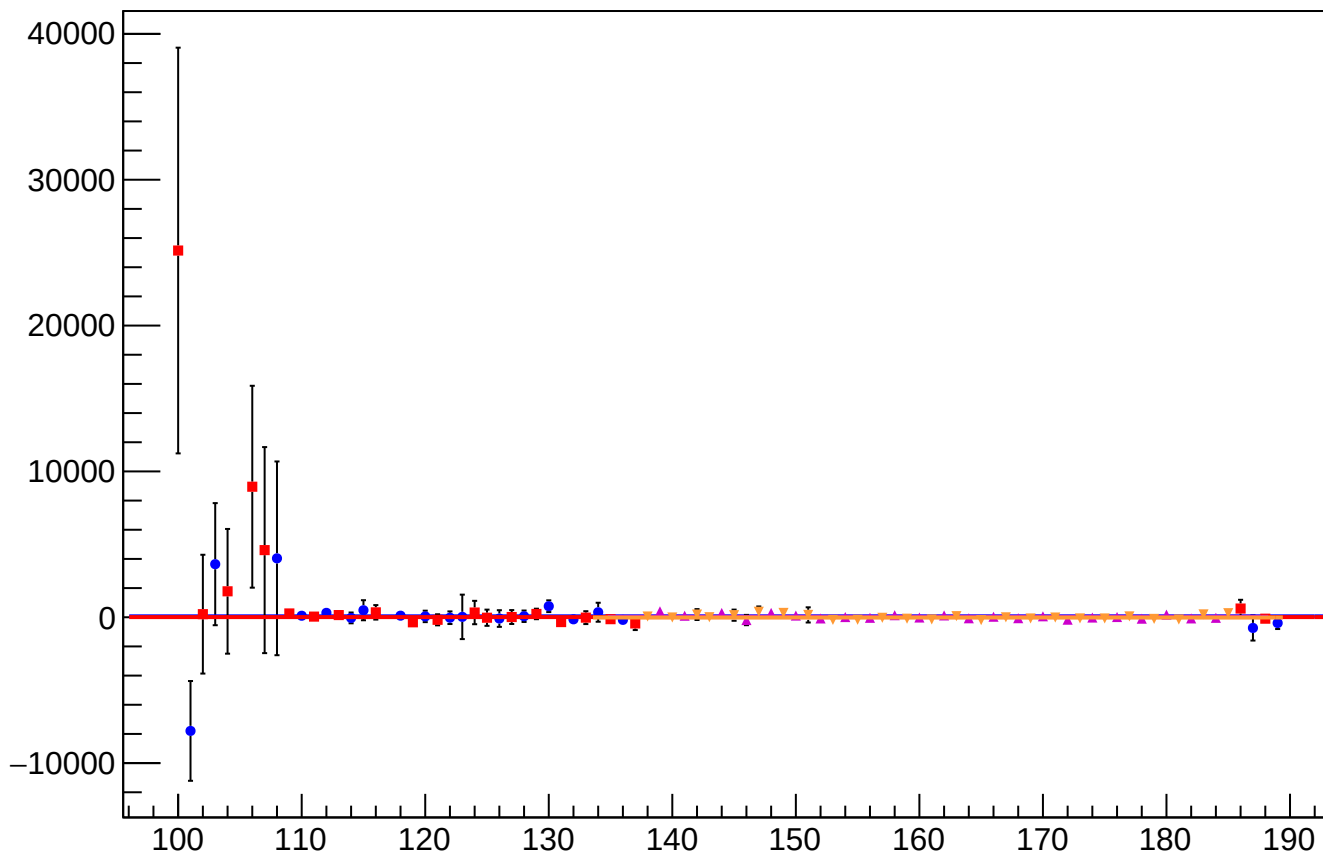
Right: 27.868+/-0.006 χ^2/NDF : 6524595.9/39

In: 28.429+/-0.004 χ^2/NDF : 3167293.8/41

Out: 28.504+/-0.004 χ^2/NDF : 3607532.3/45

All: 28.468+/-0.003 χ^2/NDF : 6774994.0/87

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

Left: 6.815+/-33.166 χ^2/NDF : 16.9/47

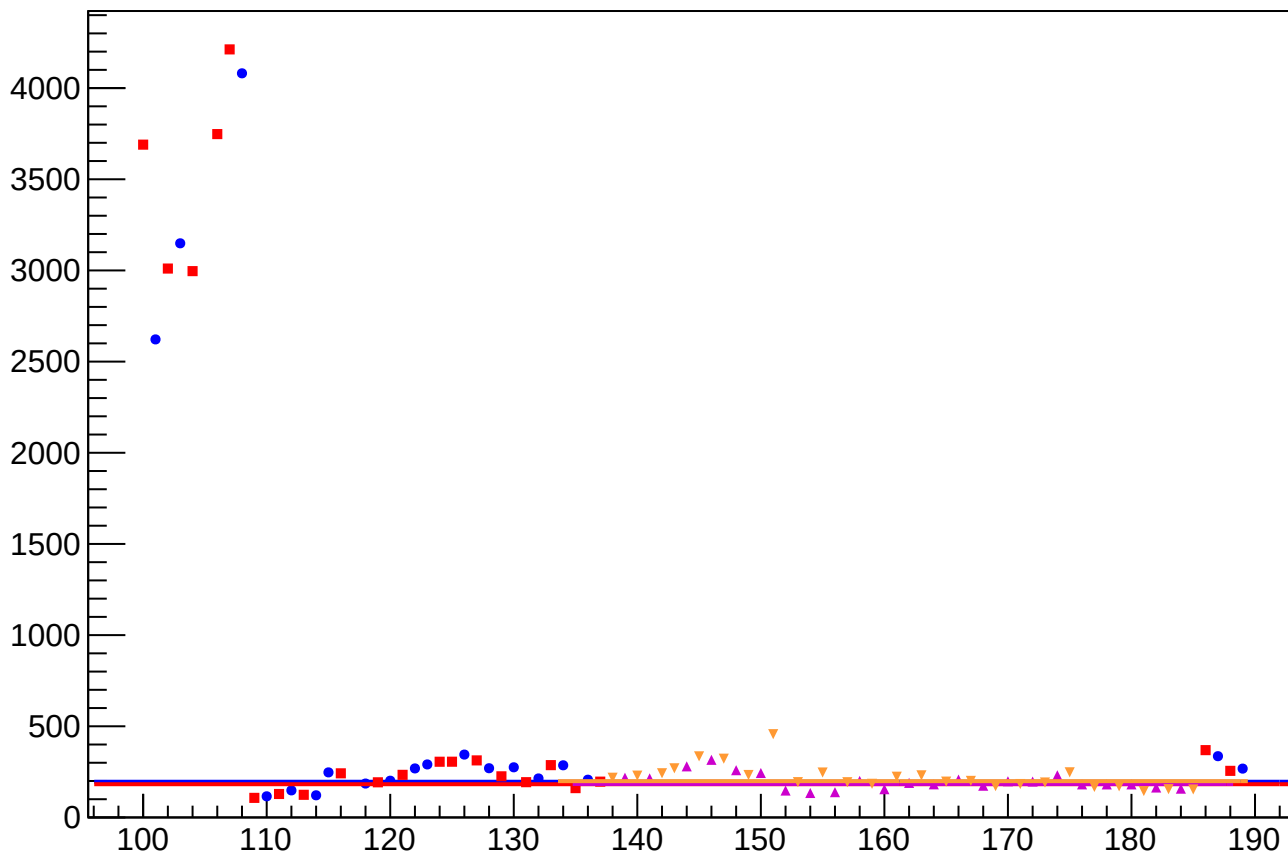
Right: 34.240+/-57.265 χ^2/NDF : 29.1/39

In: 35.137+/-40.418 χ^2/NDF : 22.9/41

Out: -8.095+/-40.760 χ^2/NDF : 22.7/45

All: 13.703+/-28.700 χ^2/NDF : 46.2/87

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left: 190.999+/-0.023 χ^2/NDF : 3411149.8/47

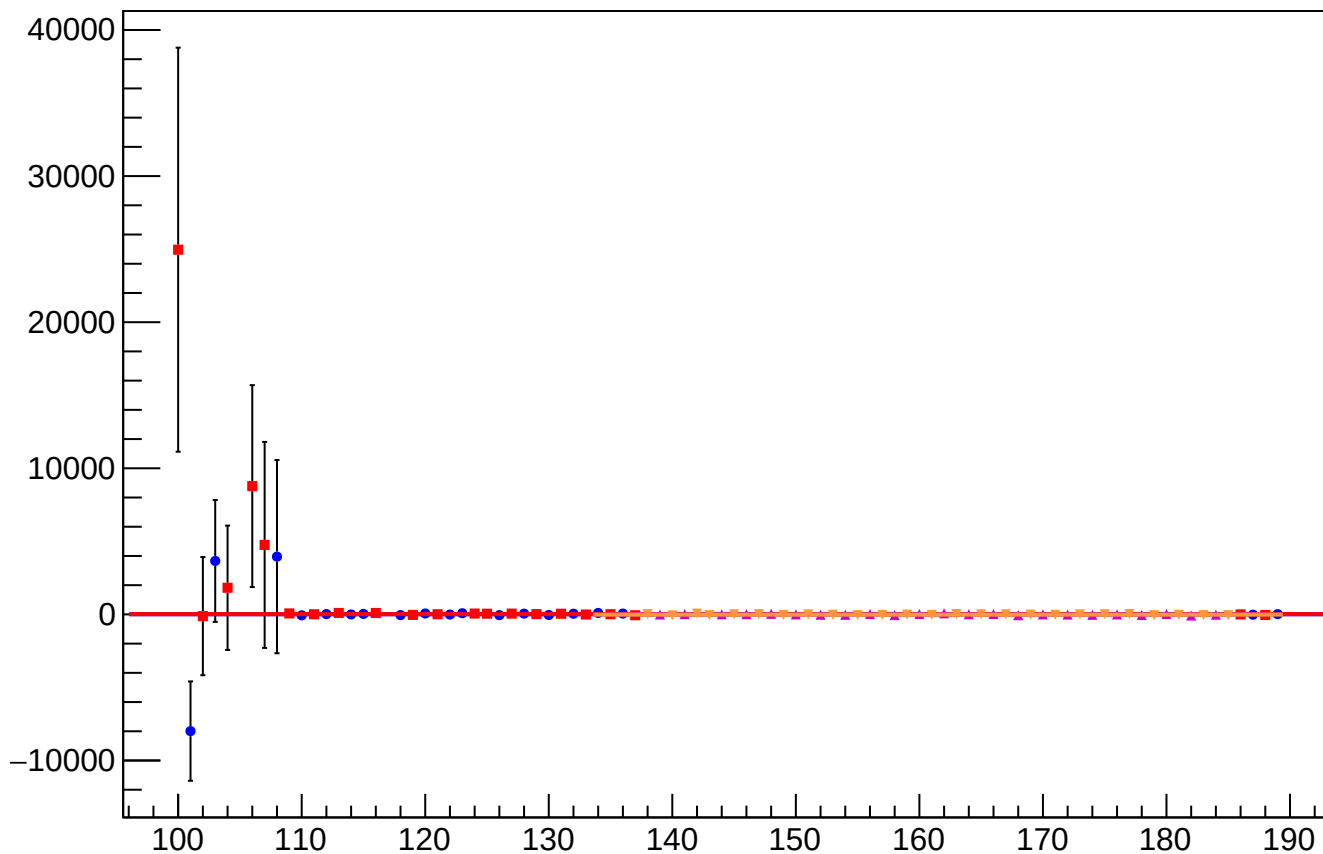
Right: 188.281+/-0.040 χ^2/NDF : 8318507.0/39

In: 186.348+/-0.029 χ^2/NDF :5162020.0/41

Out: 194.352+/-0.029 χ^2/NDF :6532126.5/45

All: 190.316+/-0.020 χ^2/NDF : 11733029.8/87

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left: -8.049+/-4.819 χ^2/NDF : 46.0/47

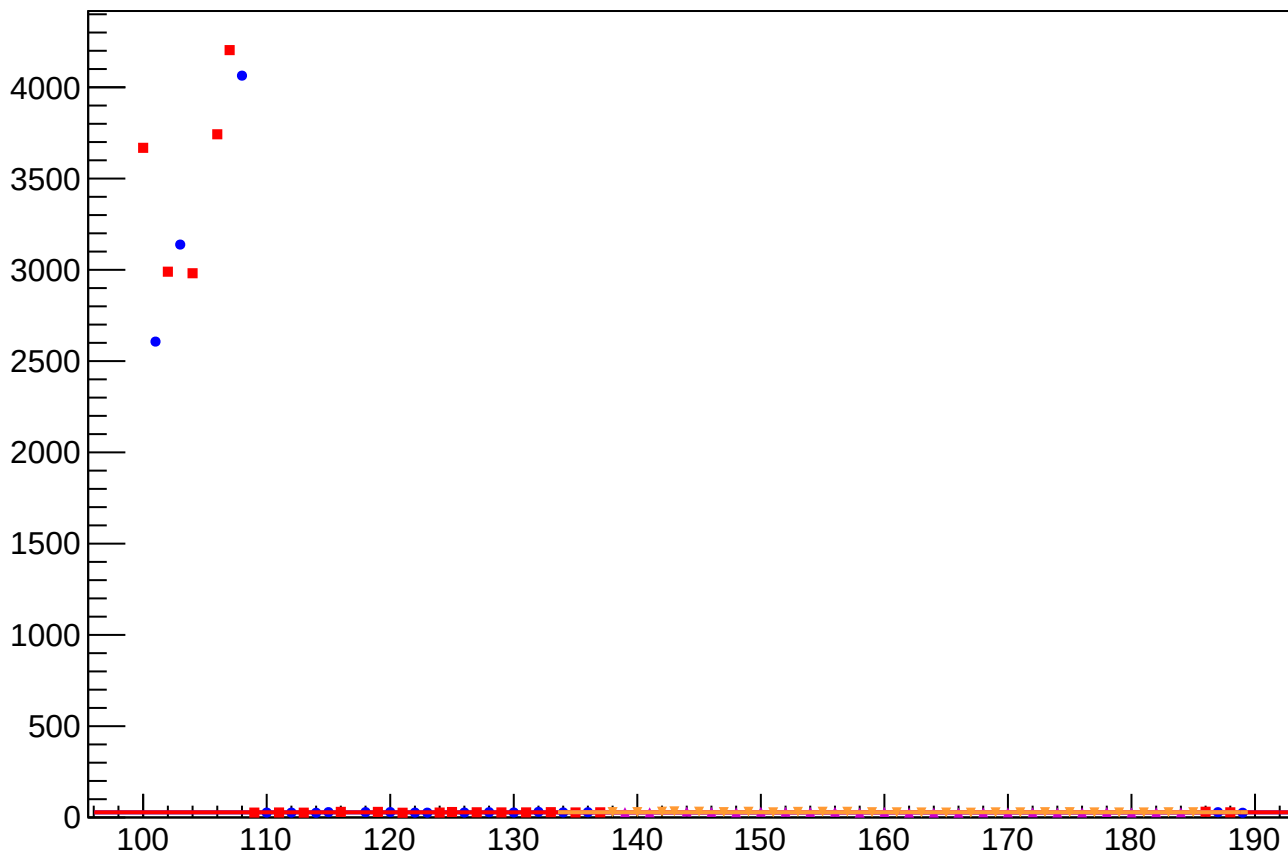
Right: 12.964+/-8.073 χ^2/NDF : 44.4/39

In: 1.567+/-5.947 χ^2/NDF :49.8/41

Out: -6.371+/-5.760 χ^2/NDF :44.7/45

All: -2.529+/-4.137 χ^2/NDF : 95.4/87

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.879 $\pm$ 0.008 χ^2 /NDF: 3034744.9/18

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 28.123 $\pm$ 0.008 χ^2 /NDF: 3488272.6/20

Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

Left: 28.803 $\pm$ 0.003 χ^2 /NDF: 251375.8/47

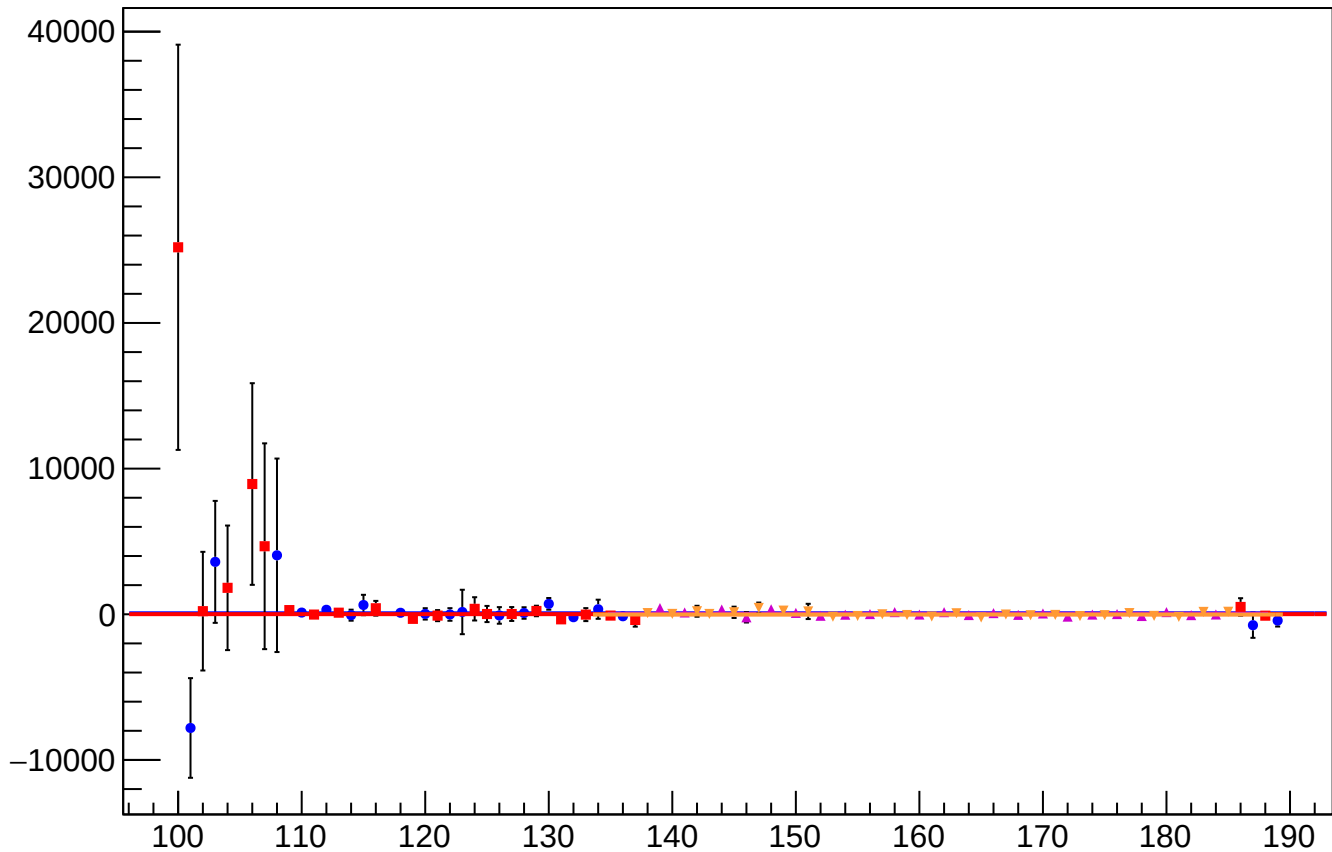
Right: 28.006 $\pm$ 0.006 χ^2 /NDF: 6523473.9/39

In: 28.556 $\pm$ 0.004 χ^2 /NDF: 3173198.1/41

Out: 28.629 $\pm$ 0.004 χ^2 /NDF: 3615844.9/45

All: 28.594 $\pm$ 0.003 χ^2 /NDF: 6789200.4/87

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.547+/-87.030 χ^2/NDF : 15.1/18

Left Out: -15.548+/-48.688 χ^2/NDF : 8.0/24

Right Out: 8.206+/-77.693 χ^2/NDF : 13.1/20

Left In: 31.170+/-46.359 χ^2/NDF : 8.2/22

Left: 8.955+/-33.574 χ^2/NDF : 16.6/47

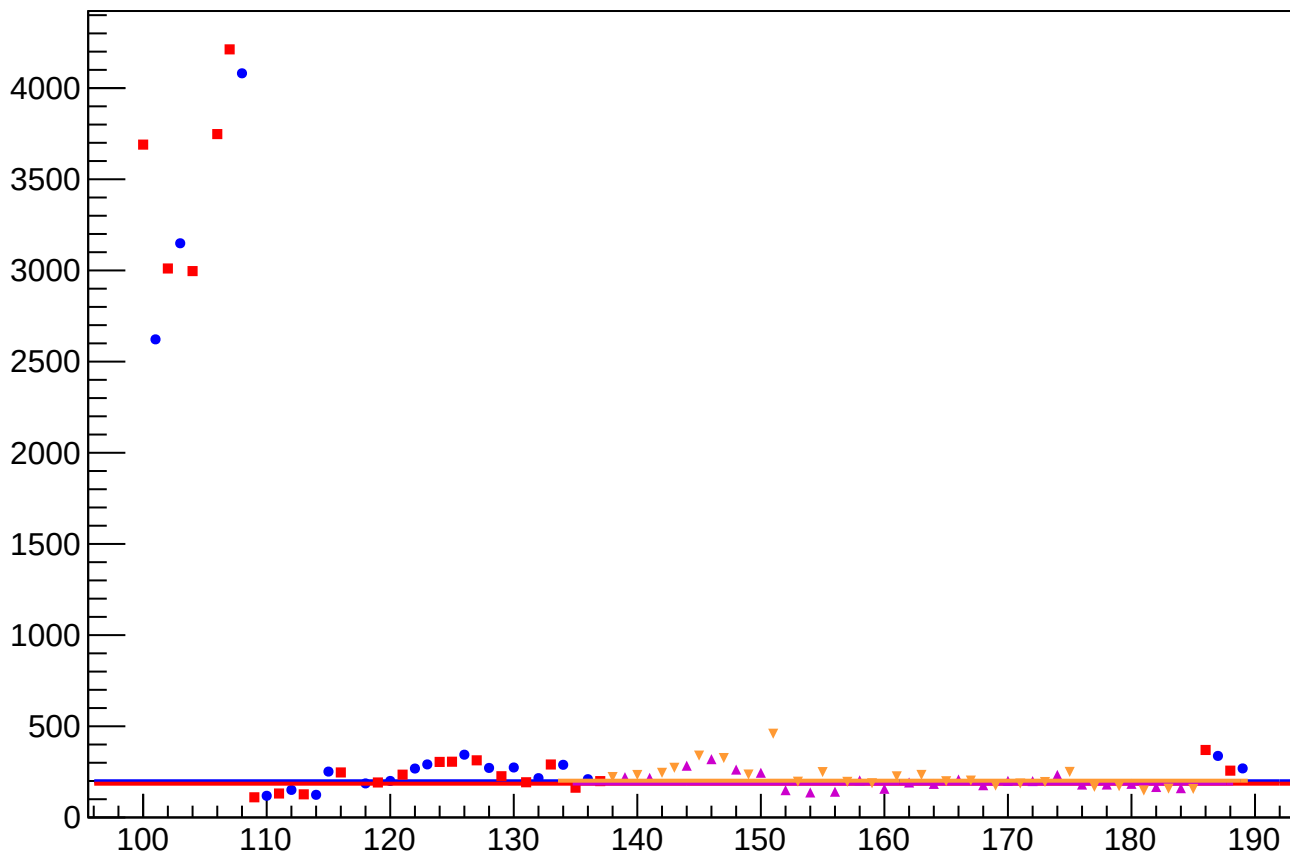
Right: 34.523+/-57.958 χ^2/NDF : 28.4/39

In: 39.211+/-40.916 χ^2/NDF : 23.4/41

Out: -8.850+/-41.256 χ^2/NDF : 21.2/45

All: 15.379+/-29.052 χ^2/NDF : 45.2/87

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 198.551+/-0.062 χ^2/NDF : 3655428.7/18

Left Out: 201.600+/-0.034 χ^2/NDF : 1857453.2/24

Right Out: 185.163+/-0.055 χ^2/NDF : 4516444.9/20

Left In: 186.107+/-0.033 χ^2/NDF : 1391327.2/22

Left: 193.474+/-0.024 χ^2/NDF : 3354998.7/47

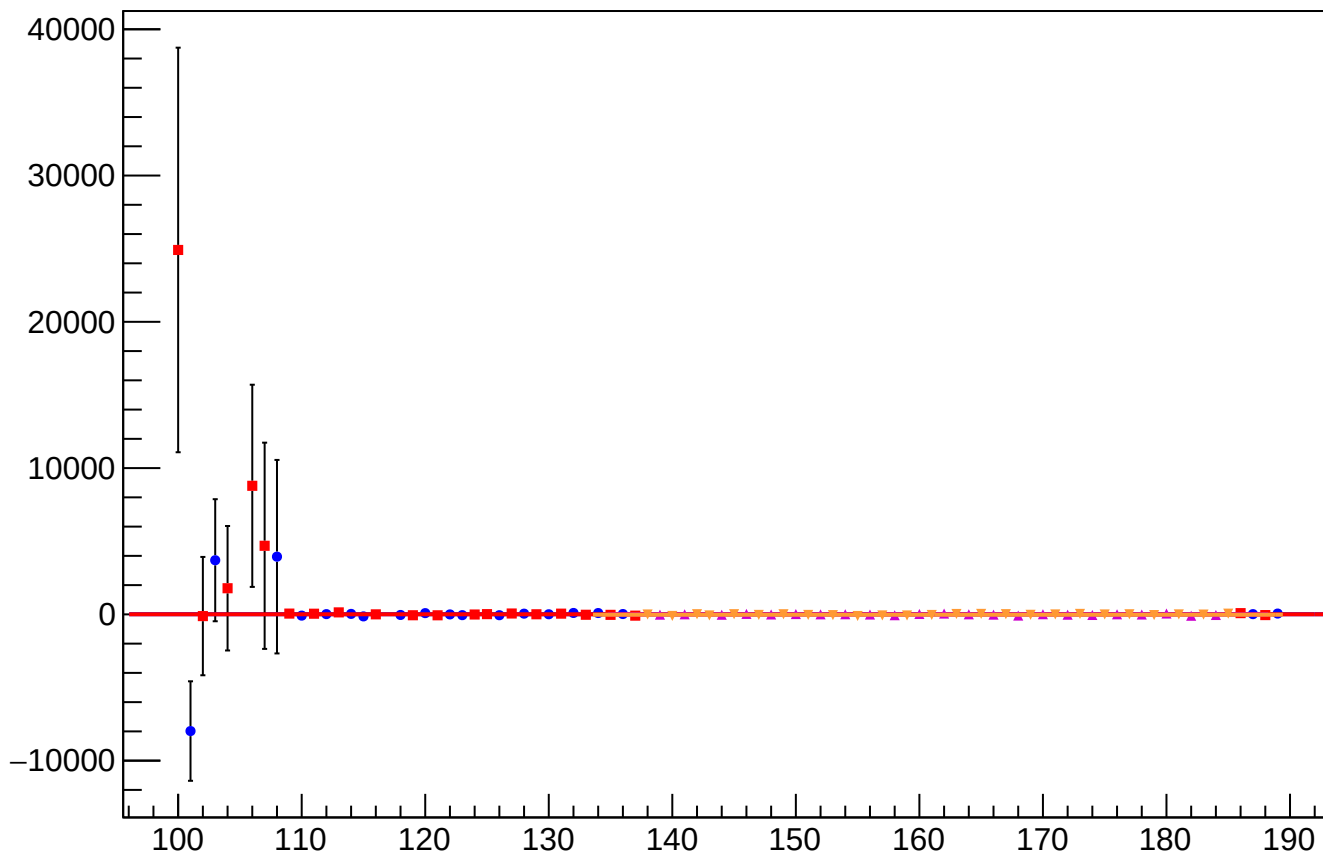
Right: 191.100+/-0.041 χ^2/NDF : 8198213.0/39

In: 188.857+/-0.029 χ^2/NDF : 5078607.6/41

Out: 196.965+/-0.029 χ^2/NDF : 6438177.0/45

All: 192.878+/-0.021 χ^2/NDF : 11555723.6/87

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: -14.939+/-5.787 χ^2/NDF : 49.2/47

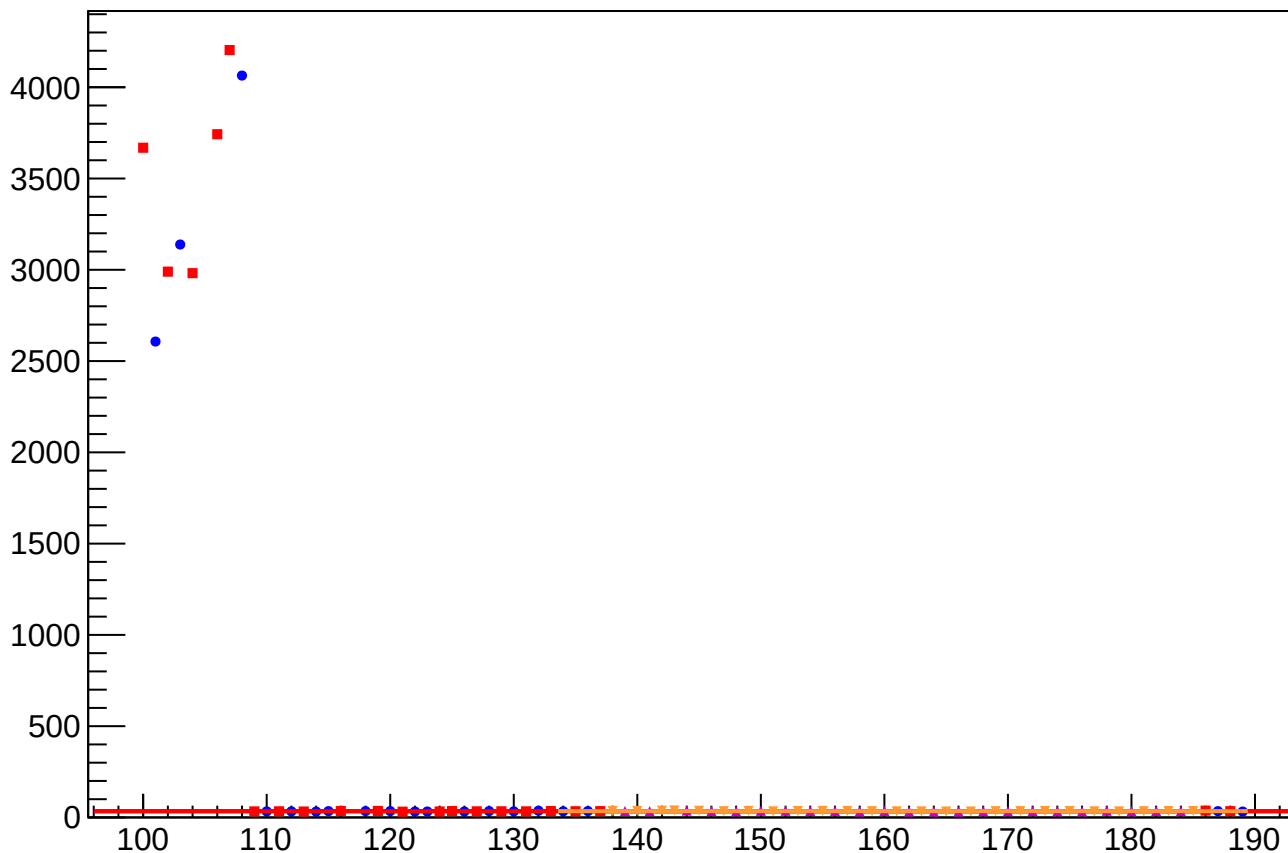
Right: 8.980+/-9.812 χ^2/NDF : 46.7/39

In: -1.608+/-7.177 χ^2/NDF : 43.3/41

Out: -15.435+/-6.928 χ^2/NDF : 55.0/45

All: -8.766+/-4.985 χ^2/NDF : 100.3/87

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

Left: 34.649 $\pm$ 0.004 χ^2 /NDF: 118335.7/47

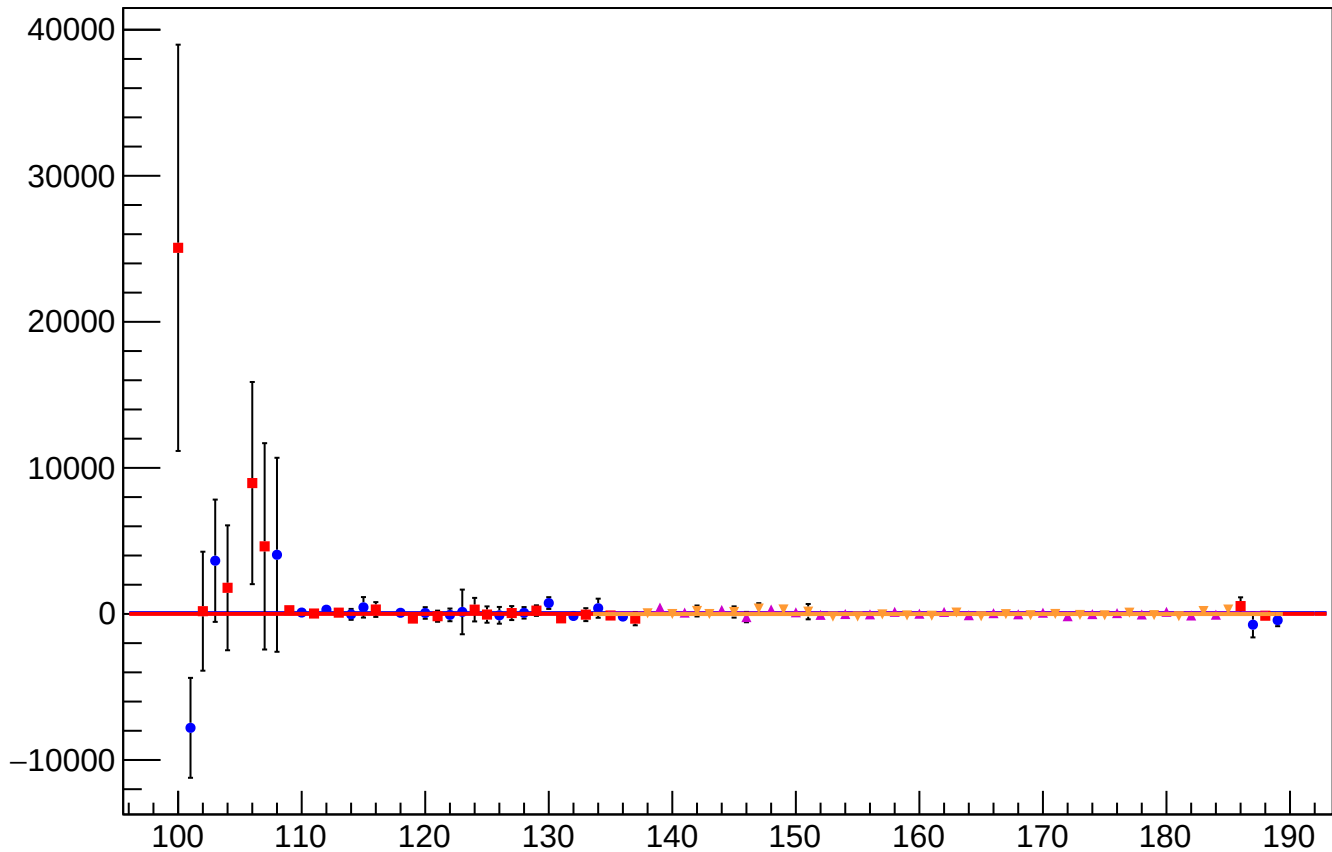
Right: 34.107 $\pm$ 0.007 χ^2 /NDF: 6467467.7/39

In: 34.522 $\pm$ 0.005 χ^2 /NDF: 3072643.9/41

Out: 34.496 $\pm$ 0.005 χ^2 /NDF: 3517672.7/45

All: 34.509 $\pm$ 0.004 χ^2 /NDF: 6590330.3/87

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 55.911+/-86.606 χ^2/NDF : 14.9/18

Left Out: -8.916+/-48.615 χ^2/NDF : 8.6/24

Right Out: 3.701+/-77.221 χ^2/NDF : 12.1/20

Left In: 34.127+/-46.296 χ^2/NDF : 7.4/22

Left: 13.656+/-33.526 χ^2/NDF : 16.5/47

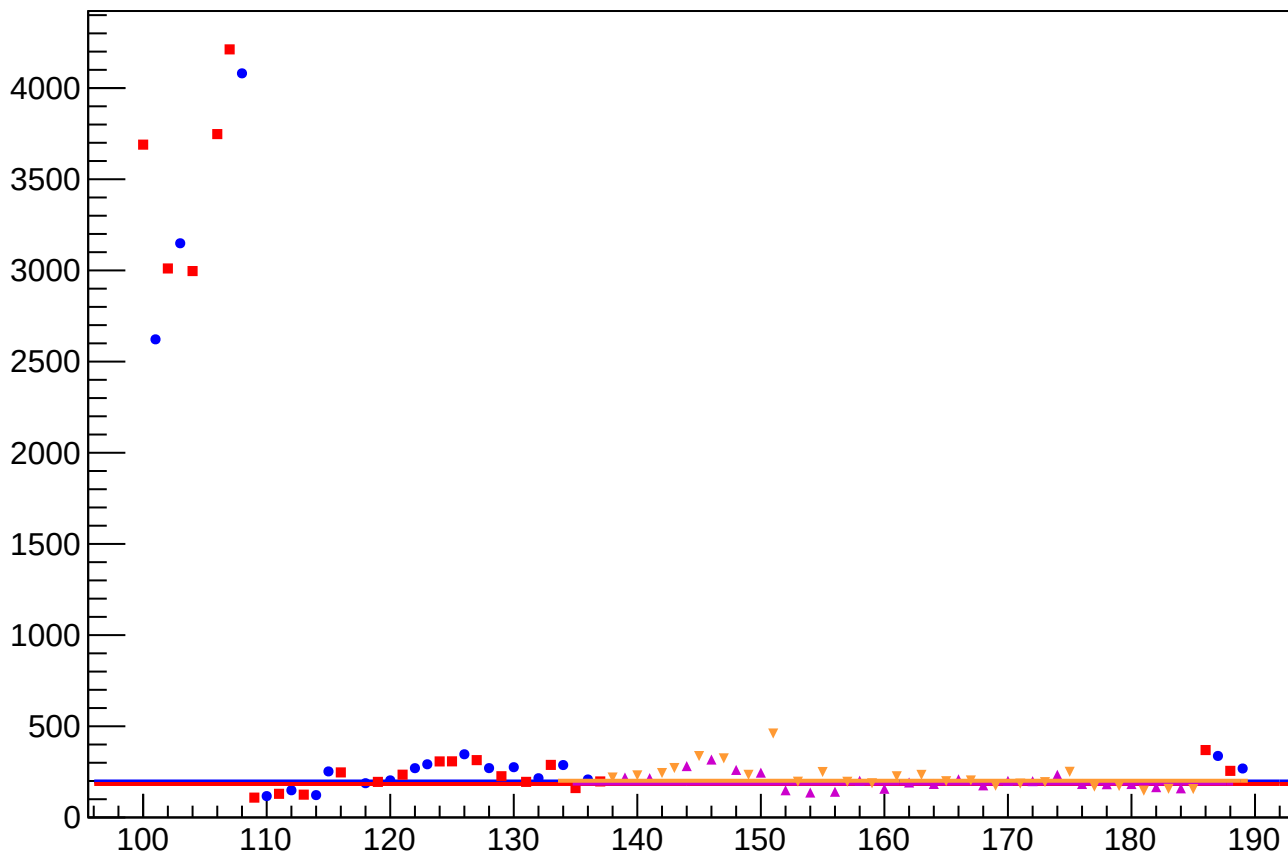
Right: 26.825+/-57.637 χ^2/NDF : 27.2/39

In: 38.969+/-40.829 χ^2/NDF : 22.3/41

Out: -5.335+/-41.141 χ^2/NDF : 20.8/45

All: 16.986+/-28.980 χ^2/NDF : 43.7/87

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.234+/-0.061 χ^2/NDF : 3695884.8/18

Left Out: 201.296+/-0.034 χ^2/NDF : 1851134.1/24

Right Out: 183.614+/-0.055 χ^2/NDF : 4567817.5/20

Left In: 185.854+/-0.033 χ^2/NDF : 1381771.9/22

Left: 193.198+/-0.024 χ^2/NDF : 3338733.9/47

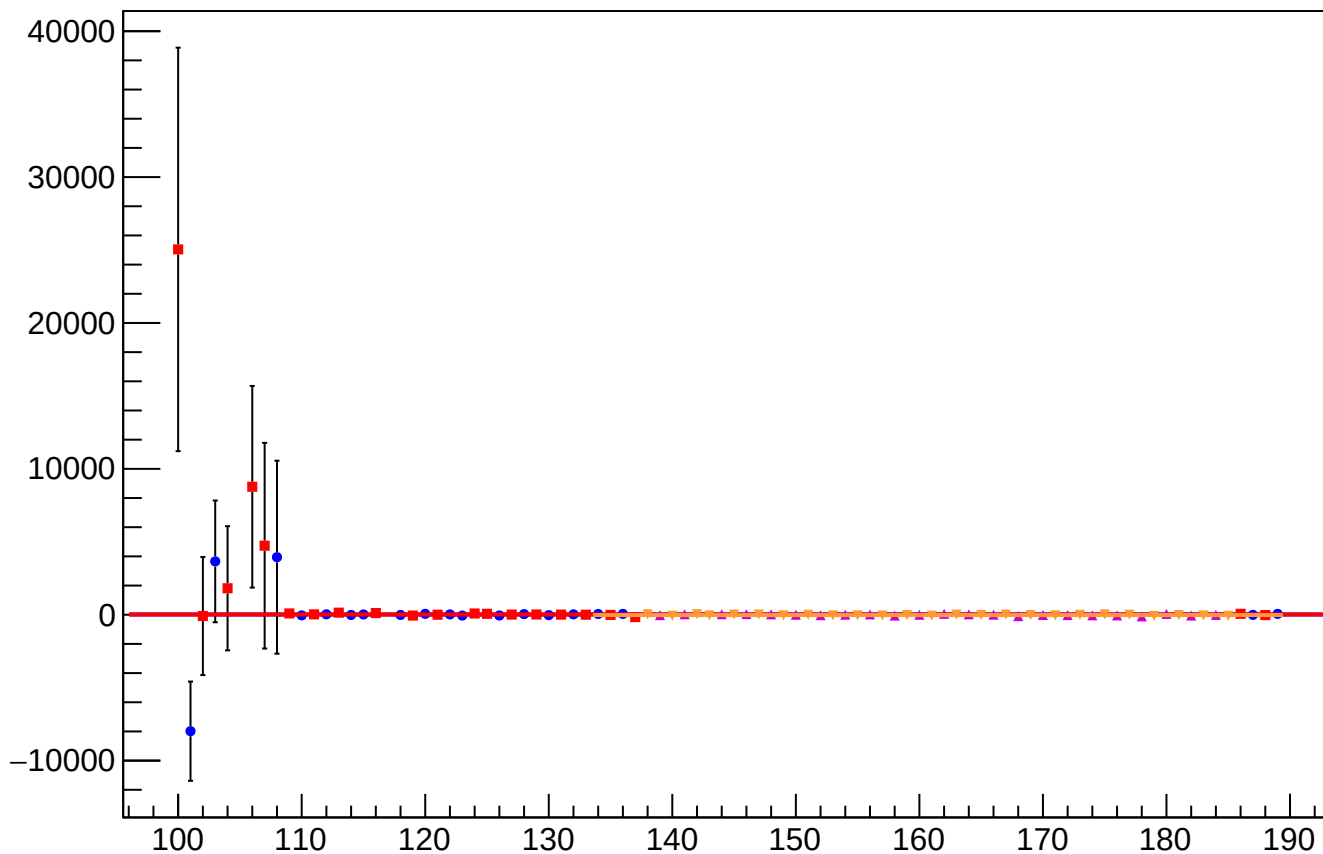
Right: 189.647+/-0.041 χ^2/NDF : 8291258.9/39

In: 188.383+/-0.029 χ^2/NDF : 5104516.4/41

Out: 196.277+/-0.029 χ^2/NDF : 6494050.3/45

All: 192.300+/-0.020 χ^2/NDF : 11635666.3/87

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left: -14.649+/-5.263 χ^2/NDF : 59.7/47

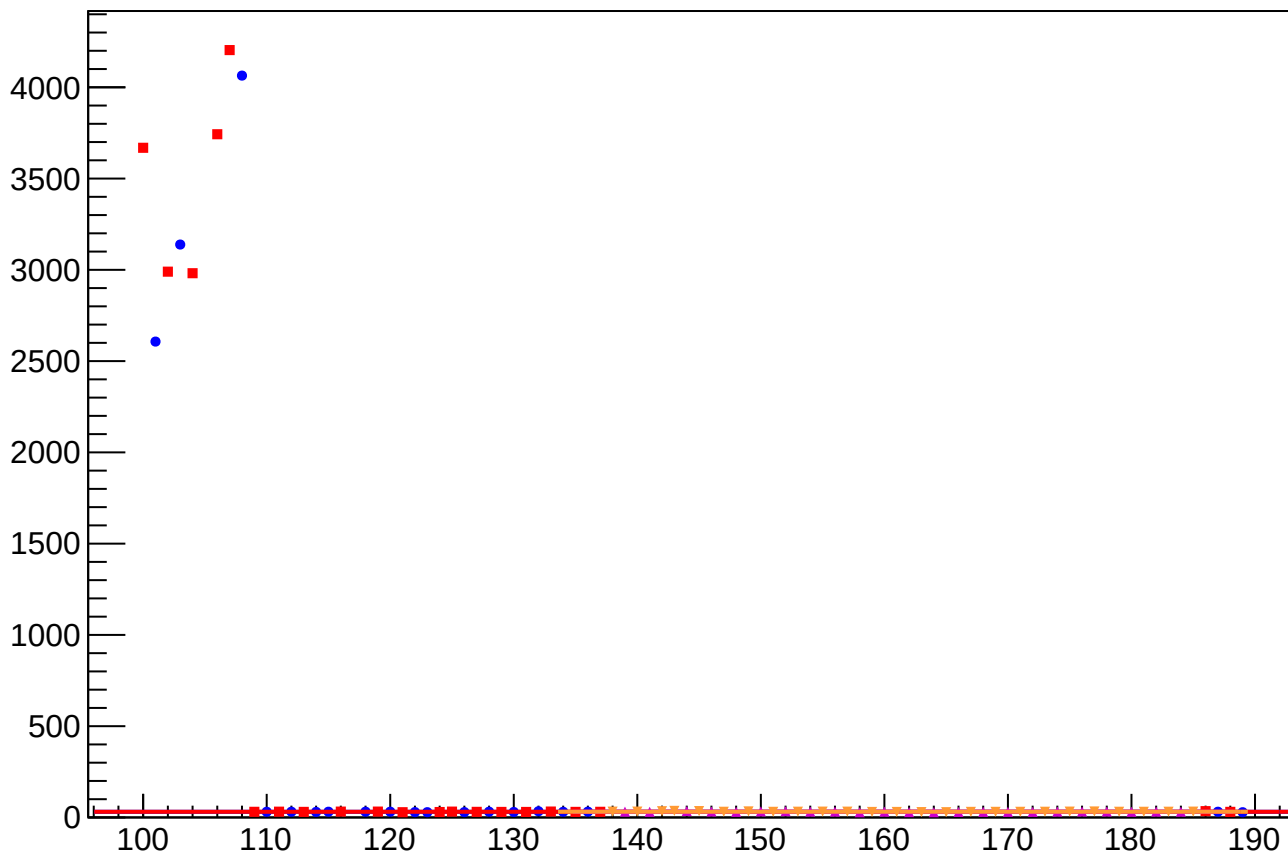
Right: 16.776+/-8.937 χ^2/NDF : 45.8/39

In: -0.446+/-6.524 χ^2/NDF :56.1/41

Out: -12.273+/-6.308 χ^2/NDF :56.9/45

All: -6.558+/-4.535 χ^2/NDF : 114.7/87

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left: 31.483+/-0.004 χ^2/NDF : 170418.5/47

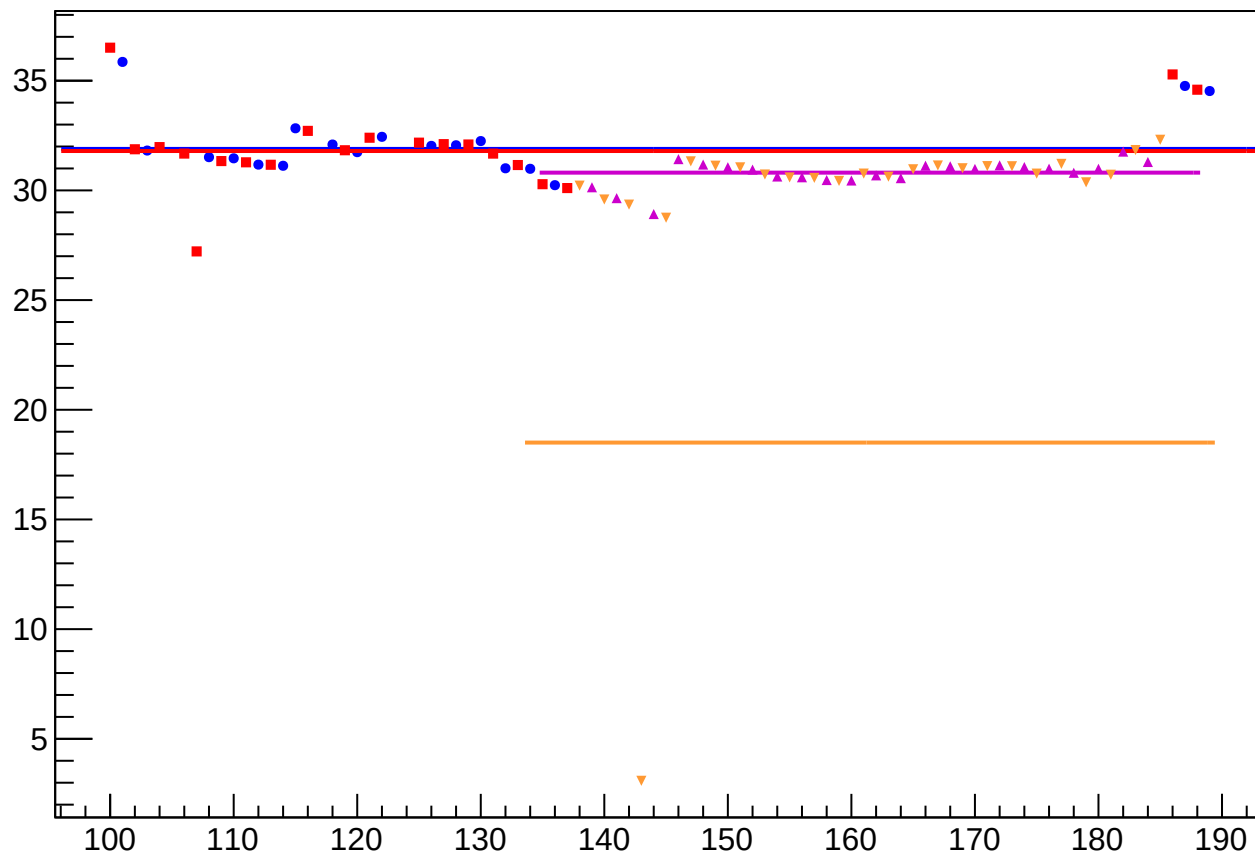
Right: 31.046+/-0.006 χ^2/NDF : 6487304.5/39

In: 31.354+/-0.005 χ^2/NDF : 3110434.1/41

Out: 31.385+/-0.004 χ^2/NDF : 3550824.4/45

All: 31.370+/-0.003 χ^2/NDF : 6661281.5/87

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.891+/-0.000 χ^2/NDF : 1769182405.6/17

Left Out: 18.505+/-0.000 χ^2/NDF : 940607632746.3/24

Right Out: 31.795+/-0.000 χ^2/NDF : 1463241005.0/19

Left In: 30.809+/-0.000 χ^2/NDF : 821961762.3/22

Left: 22.806+/-0.000 χ^2/NDF : 1203928236724.3/47

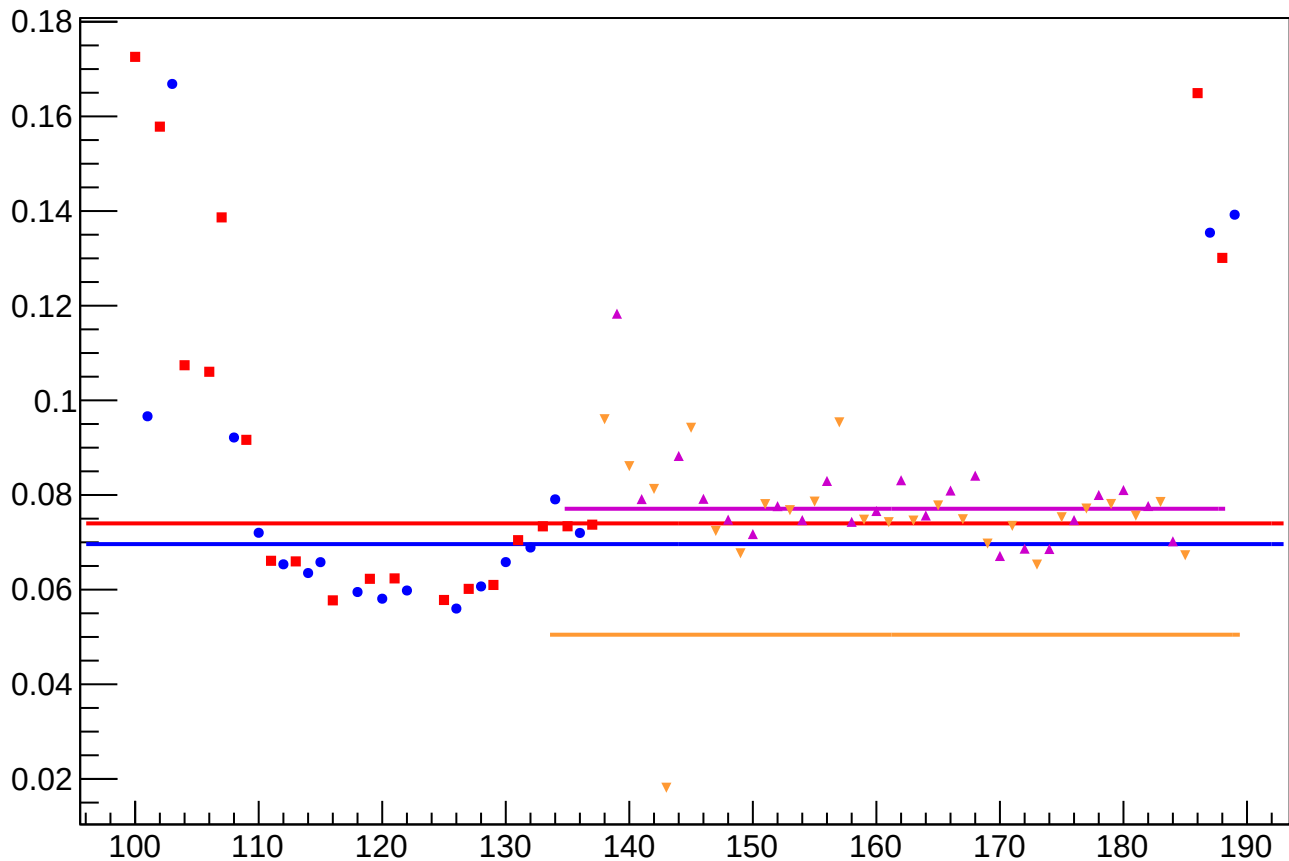
Right: 31.843+/-0.000 χ^2/NDF : 3238154204.8/37

In: 31.159+/-0.000 χ^2/NDF : 3598416646.7/40

Out: 21.183+/-0.000 χ^2/NDF : 1118580005100.8/44

All: 25.054+/-0.000 χ^2/NDF : 1362034501297

yield_usl_rms vs Slug, Sign Corrected



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

Left: 0.060 $\pm$ 0.000 χ^2 /NDF: 11325451.9/47

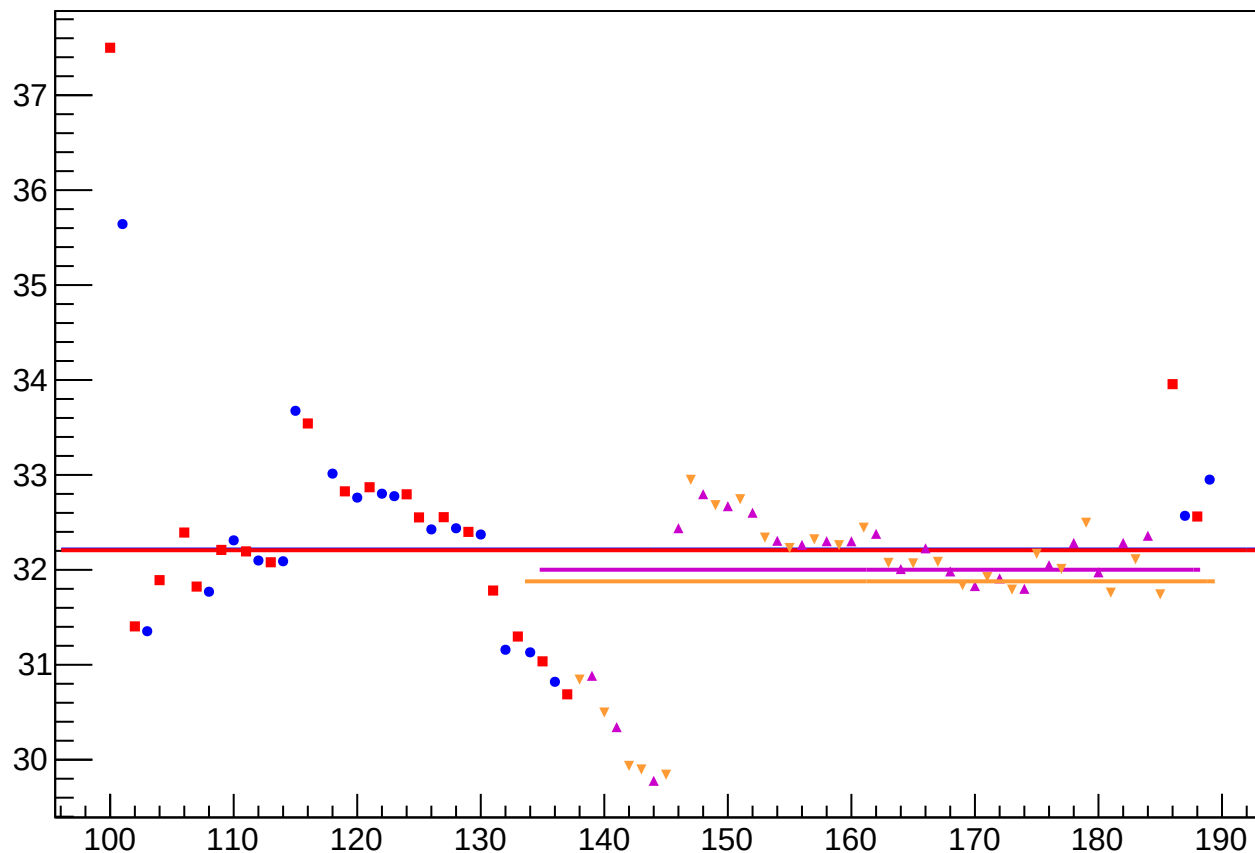
Right: 0.072 $\pm$ 0.000 χ^2 /NDF: 2354571.2/37

In: 0.075 $\pm$ 0.000 χ^2 /NDF:1332199.0/40

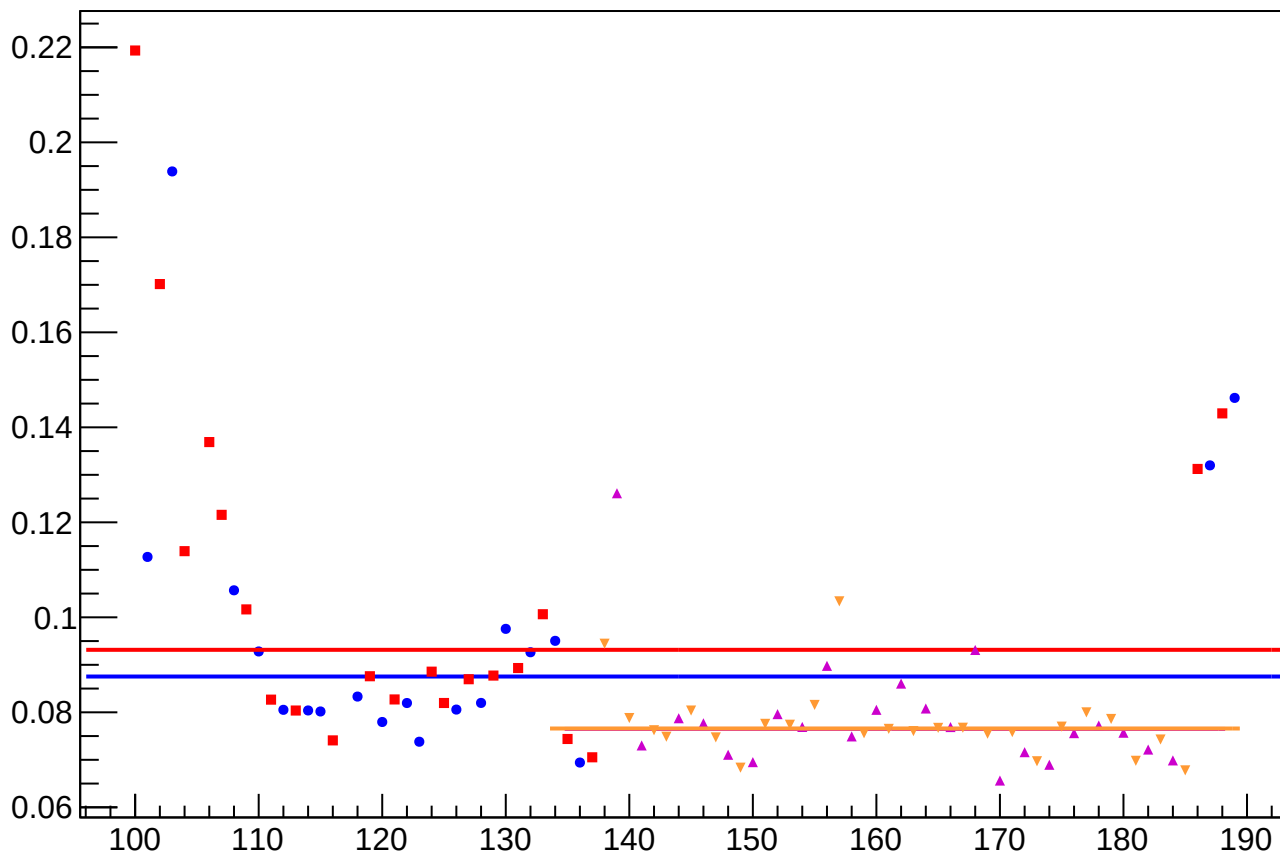
Out: 0.055 $\pm$ 0.000 χ^2 /NDF:11069340.0/44

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 14227076.8/85

yield_usr_mean vs Slug, Sign Corrected



yield_usr_rms vs Slug, Sign Corrected



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

Left: 0.077 $\pm$ 0.000 χ^2 /NDF: 642235.6/47

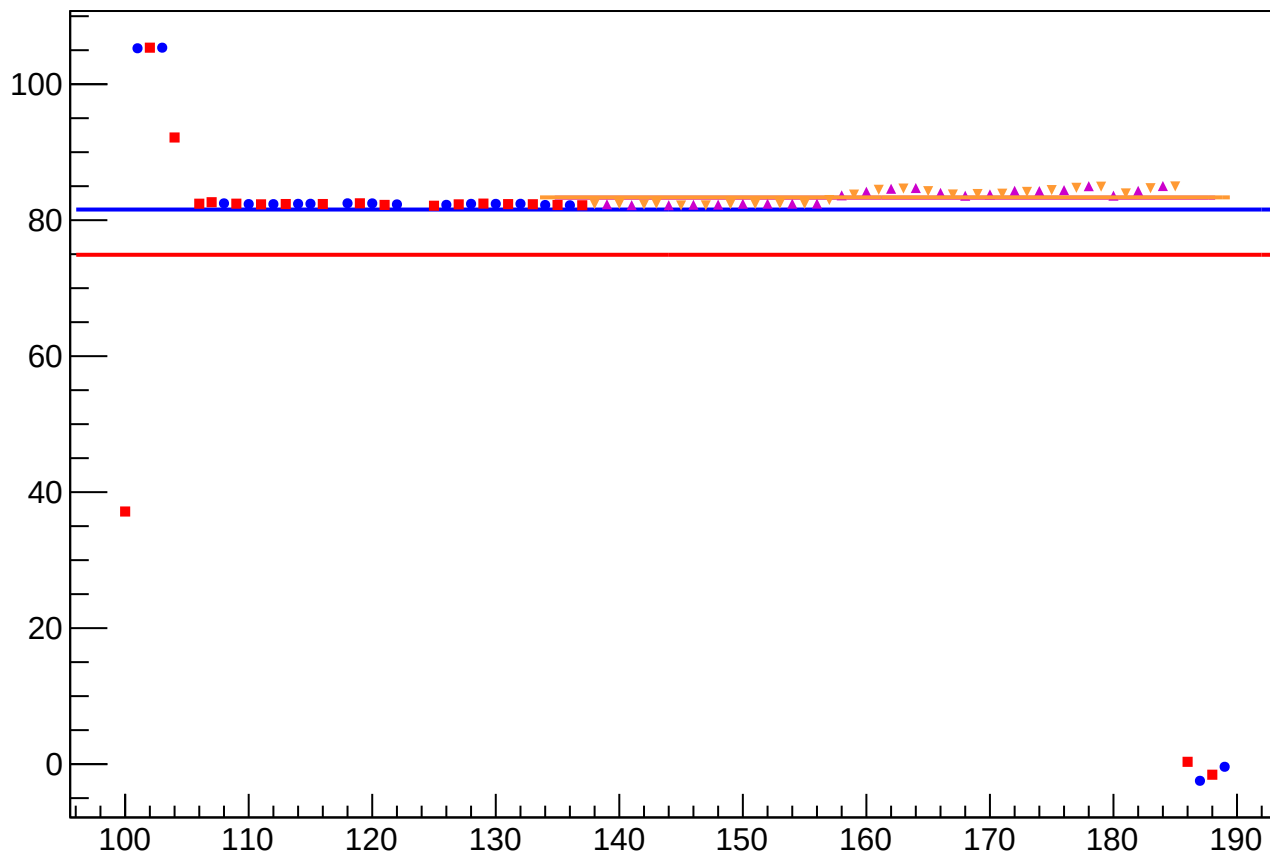
Right: 0.090 $\pm$ 0.000 χ^2 /NDF: 1551345.6/39

In: 0.079 $\pm$ 0.000 χ^2 /NDF:1292887.7/41

Out: 0.080 $\pm$ 0.000 χ^2 /NDF:1379144.3/45

All: 0.080 $\pm$ 0.000 χ^2 /NDF: 2677890.7/87

yield_dsl_mean vs Slug, Sign Corrected



Right In: 81.565 $\pm$ 0.000

χ^2/NDF : 1901450979326.3/17

Left: 83.332 $\pm$ 0.000

χ^2/NDF : 17572666767.1/47

Left Out: 83.355 $\pm$ 0.000

χ^2/NDF : 9142393022.8/24

Right: 78.070 $\pm$ 0.000

χ^2/NDF : 5513969612576.9/3

Right Out: 74.911 $\pm$ 0.000

χ^2/NDF : 3519887576804.1/19

In: 82.744 $\pm$ 0.000

χ^2/NDF : 1918056529759.9/40

Out: 80.516 $\pm$ 0.000

χ^2/NDF : 3737587703203.5/44

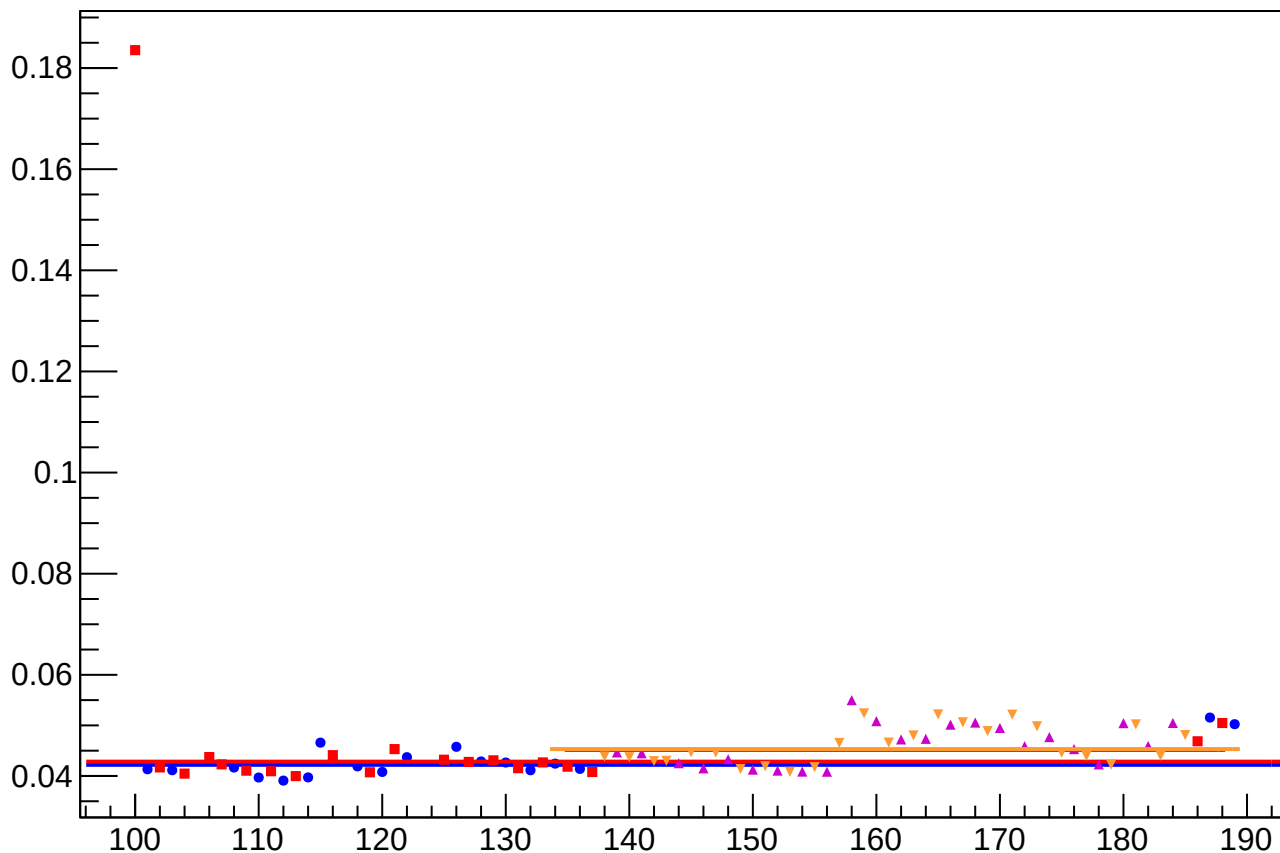
Left In: 83.309 $\pm$ 0.000

χ^2/NDF : 8421247810.9/22

All: 81.595 $\pm$ 0.000

χ^2/NDF : 5687147991912

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 52680.5/17

Left Out: 0.045+/-0.000 χ^2/NDF : 211358.2/24

Right Out: 0.043+/-0.000 χ^2/NDF : 148122.1/19

Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

Left: 0.045+/-0.000 χ^2/NDF : 454494.8/47

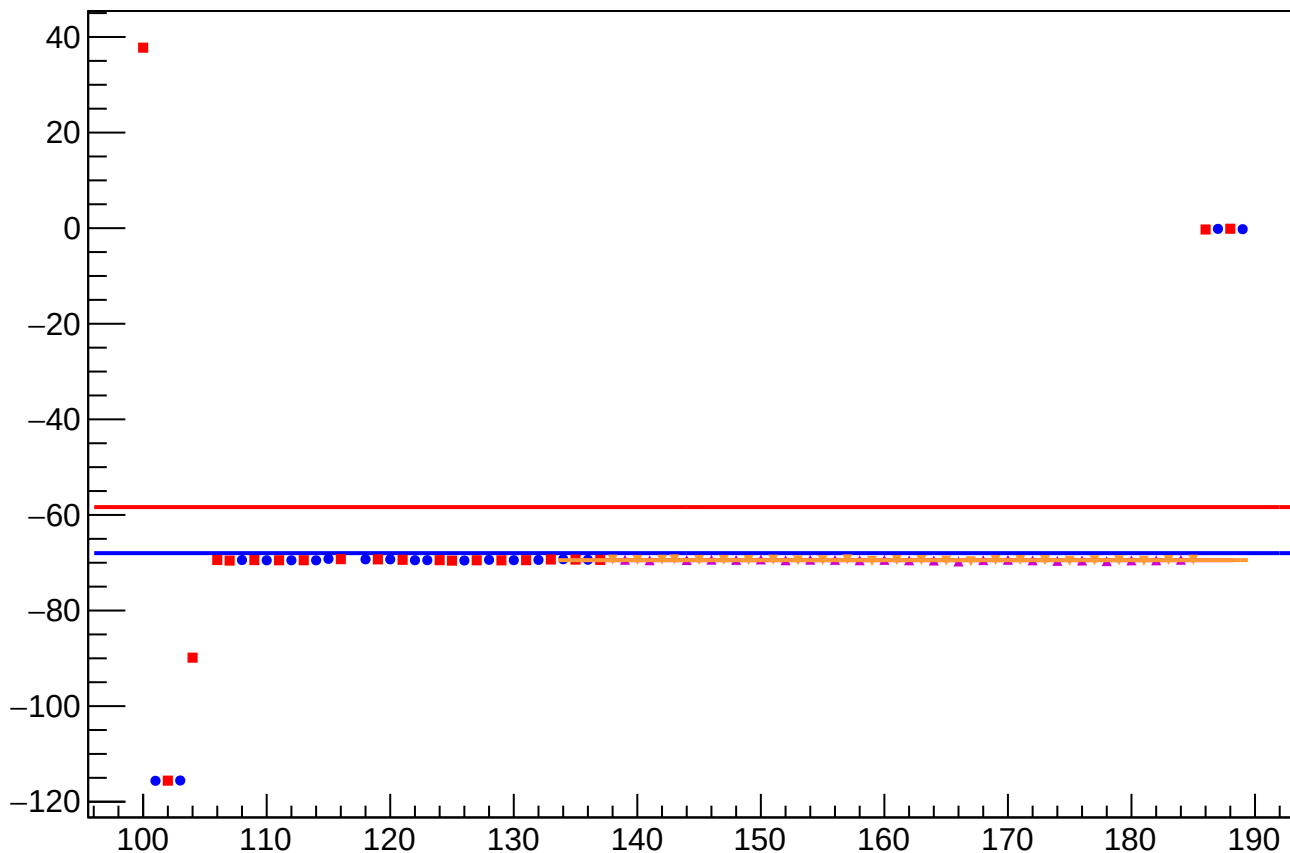
Right: 0.043+/-0.000 χ^2/NDF : 202449.3/37

In: 0.044+/-0.000 χ^2/NDF : 342021.9/40

Out: 0.044+/-0.000 χ^2/NDF : 395498.5/44

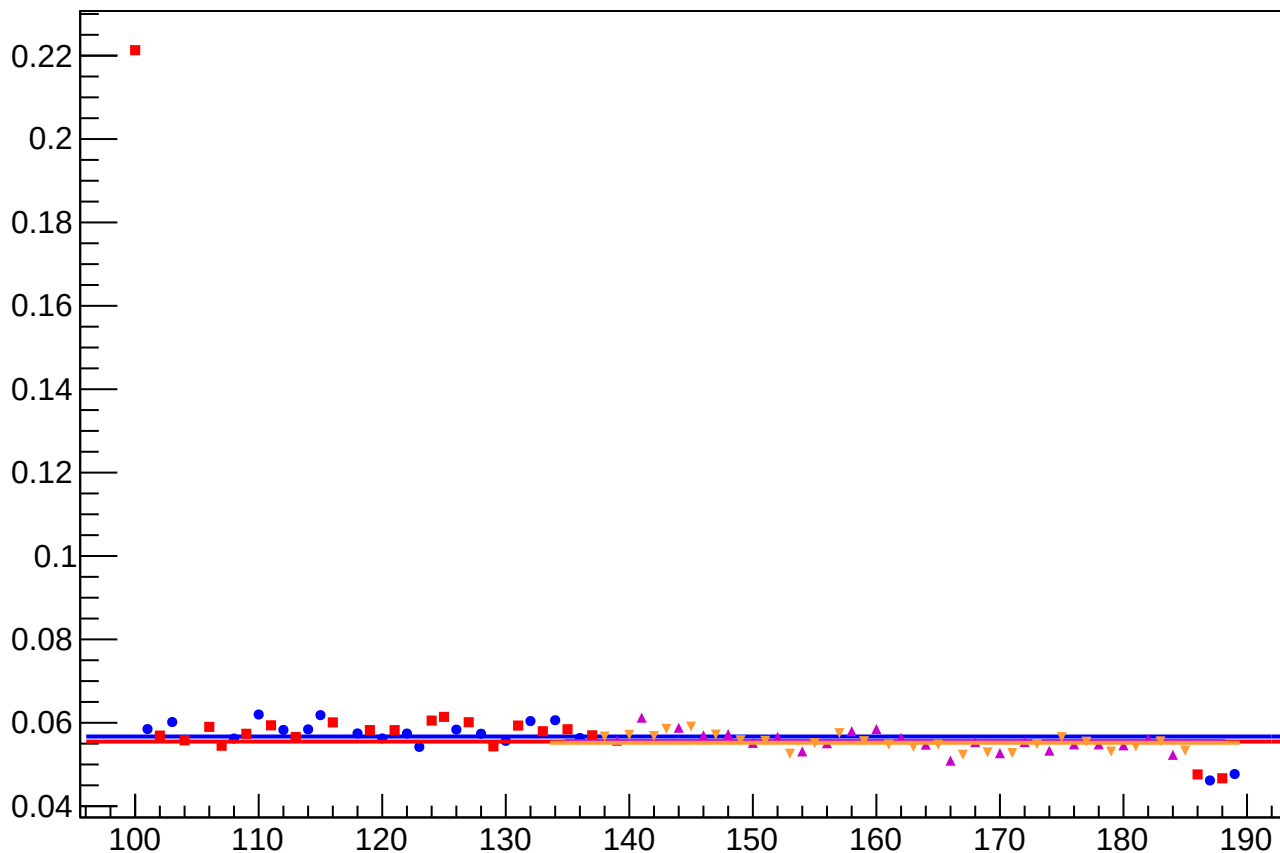
All: 0.044+/-0.000 χ^2/NDF : 738576.4/85

yield_dsr_mean vs Slug, Sign Corrected



Right In: -67.992+/-0.000	χ^2/NDF : 1901975430878.5/18	Left: -69.460+/-0.000	χ^2/NDF : 102399164.0/47
Left Out: -69.461+/-0.000	χ^2/NDF : 49572401.9/24	Right: -62.729+/-0.000	χ^2/NDF : 4840955556897.7/18
Right Out: -58.360+/-0.000	χ^2/NDF : 2829252714468.4/20	In: -69.041+/-0.000	χ^2/NDF : 1905360104820.0/41
Left In: -69.458+/-0.000	χ^2/NDF : 52798704.3/22	Out: -66.030+/-0.000	χ^2/NDF : 3051354804958.4/4
		All: -67.459+/-0.000	χ^2/NDF : 499299959168.0/100

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.057 $\pm$ 0.000 χ^2 /NDF: 64184.9/18

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 193703.1/20

Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

Left: 0.055 $\pm$ 0.000 χ^2 /NDF: 91784.6/47

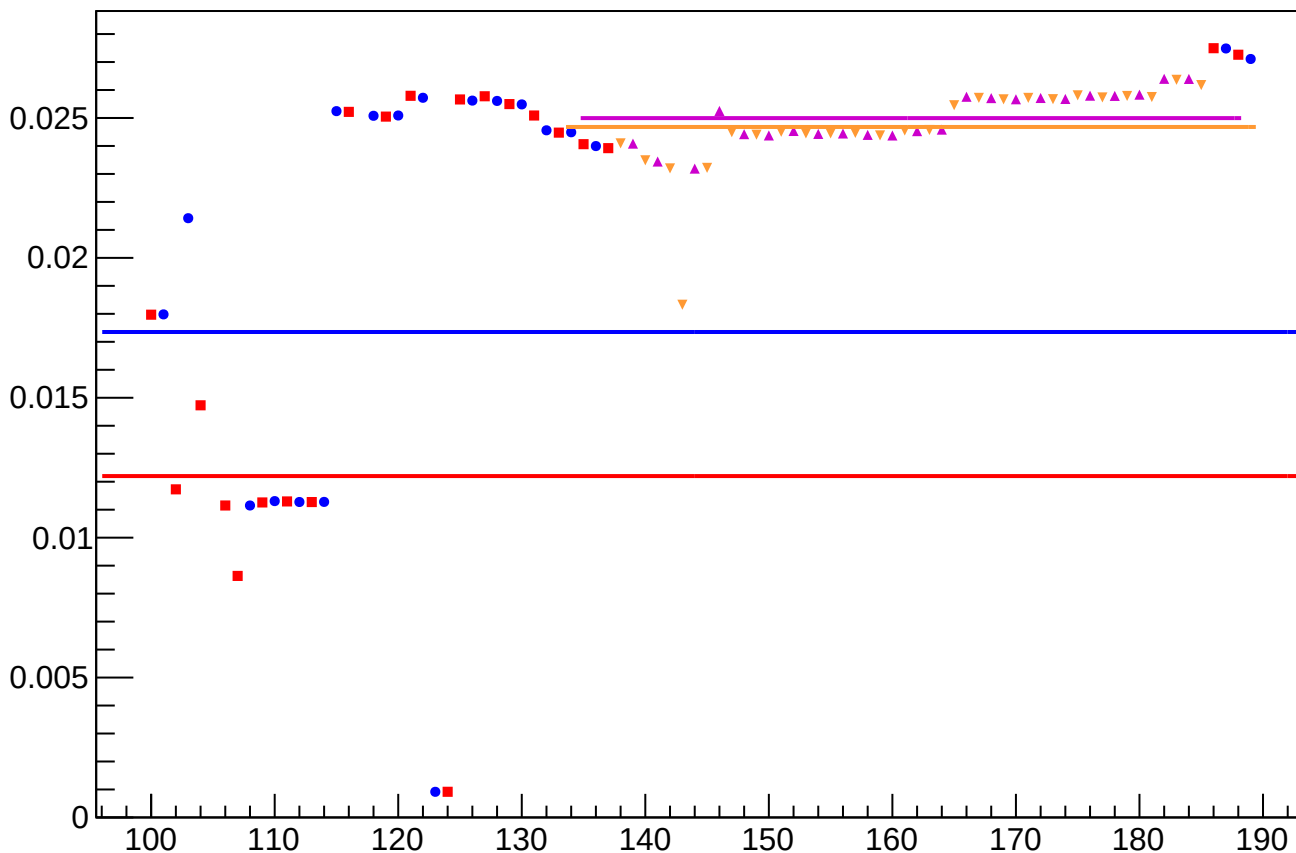
Right: 0.056 $\pm$ 0.000 χ^2 /NDF: 261342.1/39

In: 0.056 $\pm$ 0.000 χ^2 /NDF:120223.2/41

Out: 0.055 $\pm$ 0.000 χ^2 /NDF:232768.7/45

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 355984.3/87

yield_atl1_mean vs Slug, Sign Corrected



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

Left: 0.025 $\pm$ 0.000 χ^2 /NDF: 12284812437.7/47

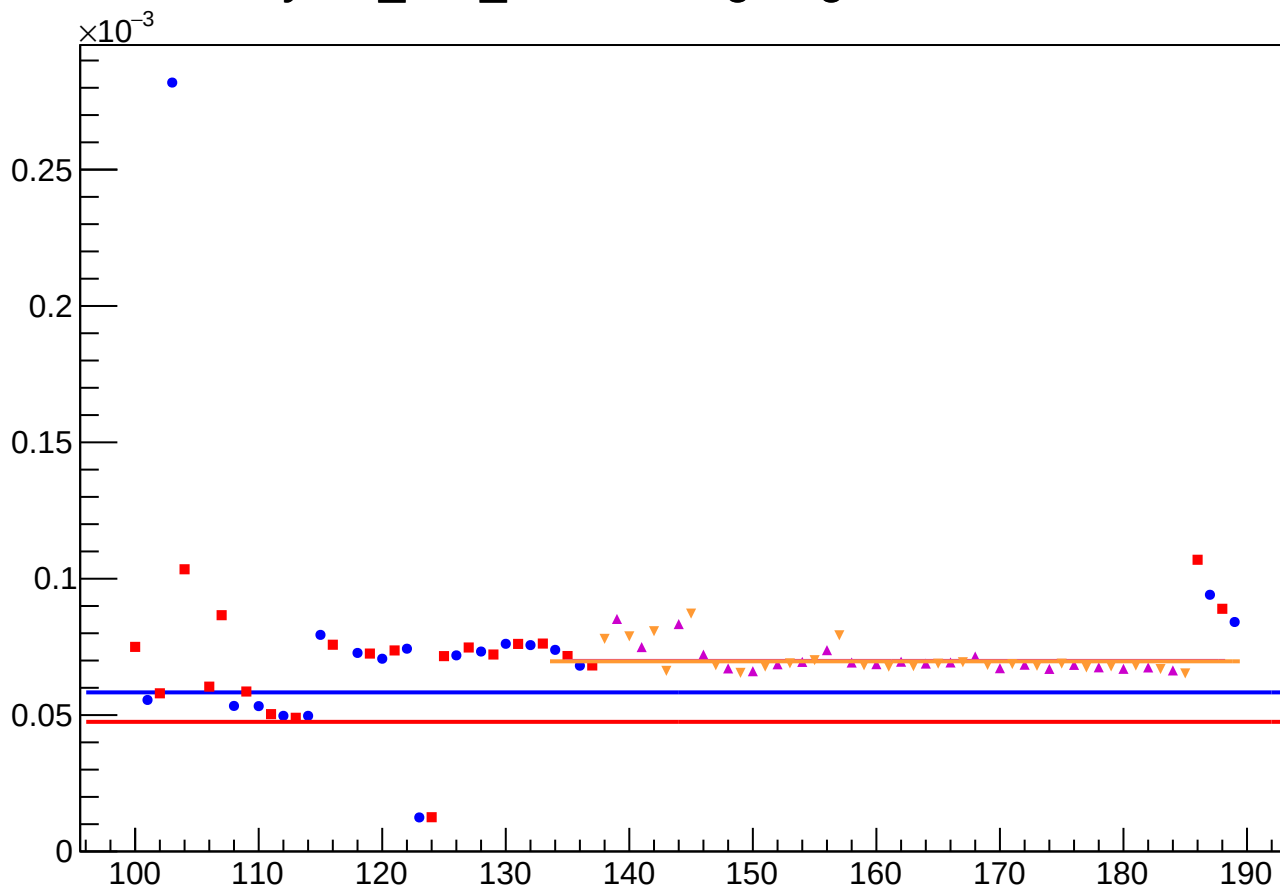
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 429300042409.0/39

In: 0.022 $\pm$ 0.000 χ^2 /NDF: 204534791096.5/41

Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 512495806029.5/45

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 740035276256.9

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2124648.0/18

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4235985.0/20

Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

Left: 0.000+/-0.000 χ^2/NDF : 287487.6/47

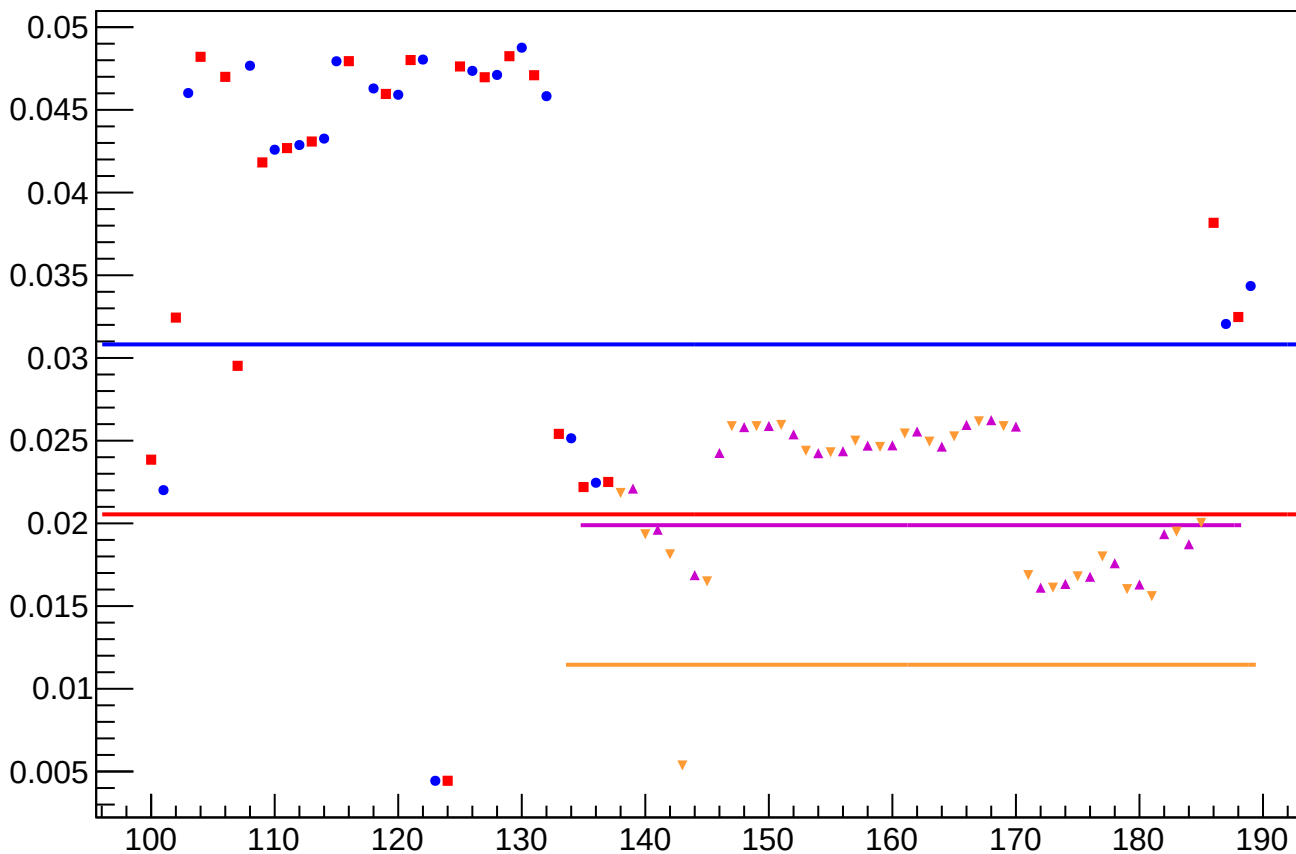
Right: 0.000+/-0.000 χ^2/NDF : 6602512.7/39

In: 0.000+/-0.000 χ^2/NDF :2565109.4/41

Out: 0.000+/-0.000 χ^2/NDF :5879565.0/45

All: 0.000+/-0.000 χ^2/NDF : 8605960.9/87

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21107654373.1/18

Left: 0.014+/-0.000

χ^2/NDF : 59527747529.2/47

Left Out: 0.011+/-0.000

χ^2/NDF : 40294472965.0/24

Right: 0.024+/-0.000

χ^2/NDF : 66648204956.6/39

Right Out: 0.021+/-0.000

χ^2/NDF : 40694182430.2/20

In: 0.022+/-0.000

χ^2/NDF : 32572498870.2/41

Out: 0.013+/-0.000

χ^2/NDF : 89639419441.2/45

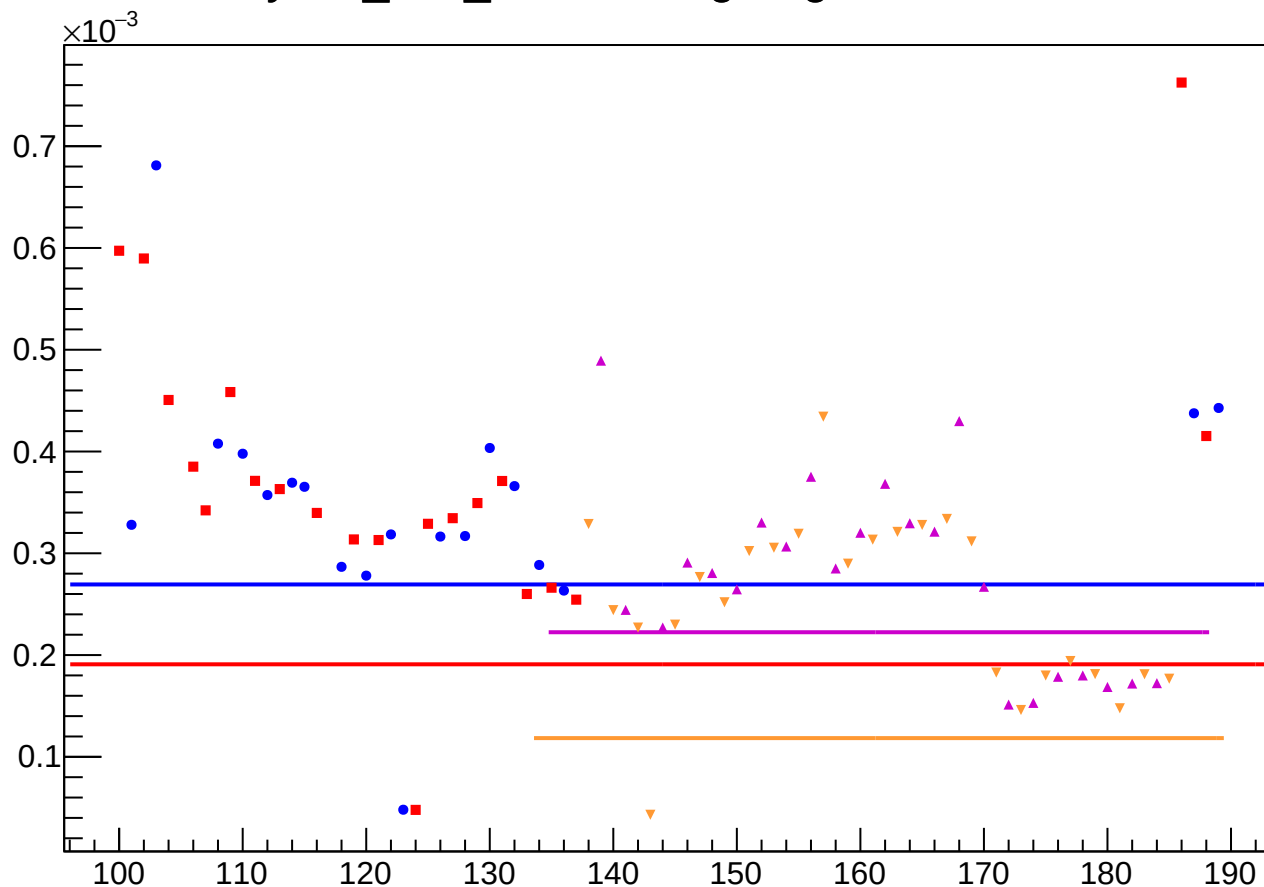
Left In: 0.020+/-0.000

χ^2/NDF : 4458790813.3/22

All: 0.016+/-0.000

χ^2/NDF : 144236203101.6

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2556592.3/18

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6279911.2/20

Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

Left: 0.000+/-0.000 χ^2/NDF : 21336583.8/47

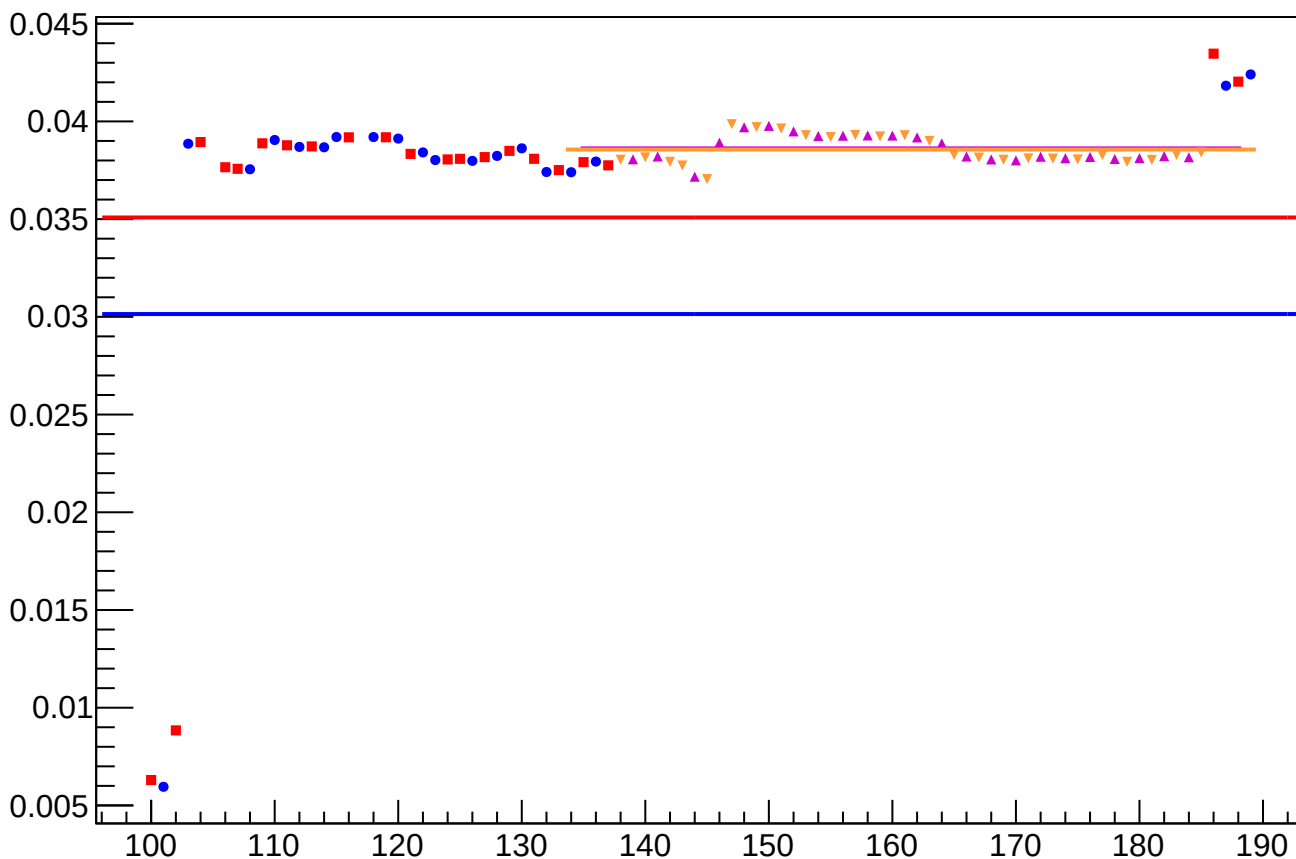
Right: 0.000+/-0.000 χ^2/NDF : 9401688.3/39

In: 0.000+/-0.000 χ^2/NDF :6096270.7/41

Out: 0.000+/-0.000 χ^2/NDF :20943762.9/45

All: 0.000+/-0.000 χ^2/NDF : 32426344.9/87

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 99050733700.2/18

Left Out: 0.039+/-0.000 χ^2/NDF : 539468437.3/24

Right Out: 0.035+/-0.000 χ^2/NDF : 45383618199.8/20

Left In: 0.039+/-0.000 χ^2/NDF : 465745982.6/22

Left: 0.039+/-0.000 χ^2/NDF : 1007039623.8/47

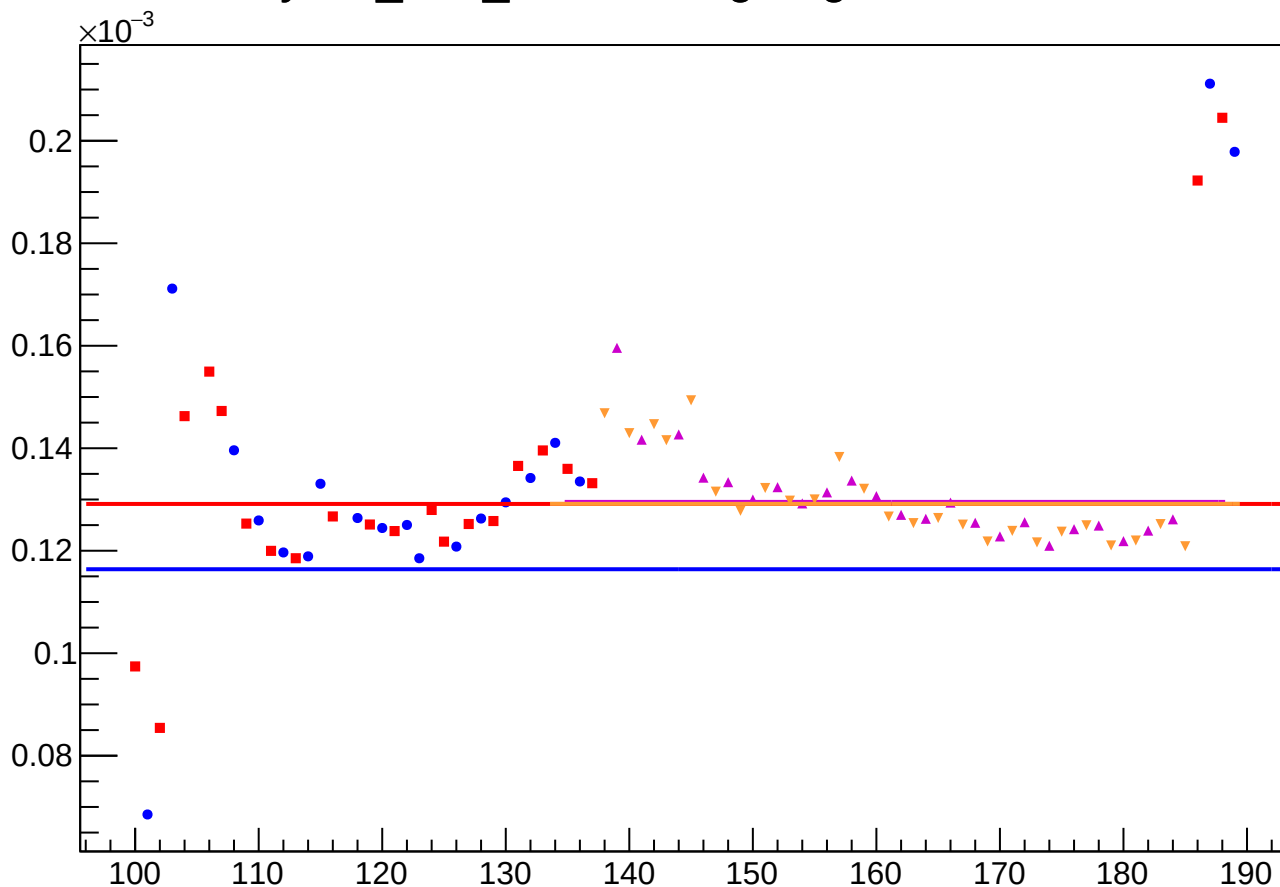
Right: 0.033+/-0.000 χ^2/NDF : 150215408485.4/39

In: 0.036+/-0.000 χ^2/NDF : 123133488087.5/41

Out: 0.038+/-0.000 χ^2/NDF : 49836831733.5/45

All: 0.037+/-0.000 χ^2/NDF : 175008928755.1

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 999219.7/18

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 585839.4/20

Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

Left: 0.000+/-0.000 χ^2/NDF : 245235.2/47

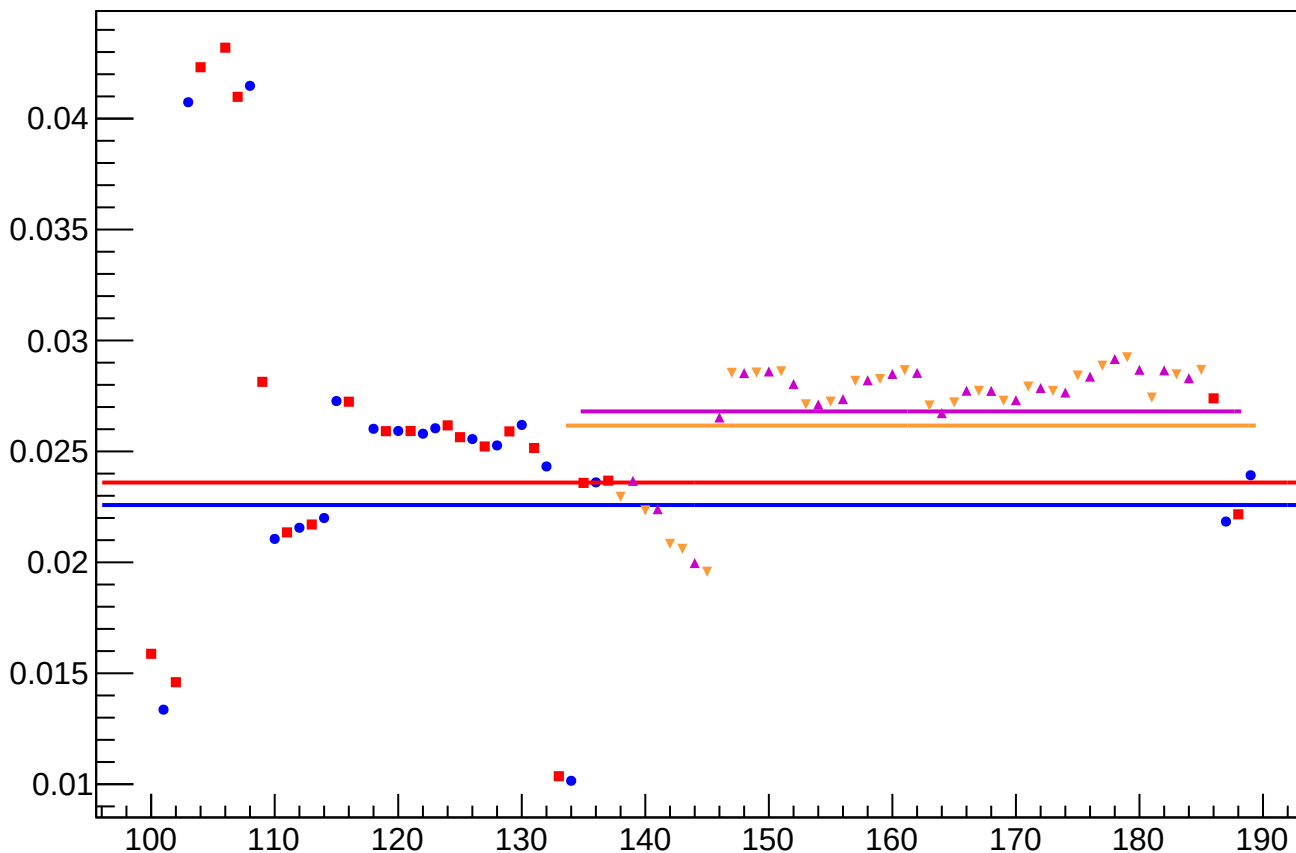
Right: 0.000+/-0.000 χ^2/NDF : 1661948.3/39

In: 0.000+/-0.000 χ^2/NDF :1227452.0/41

Out: 0.000+/-0.000 χ^2/NDF :716161.2/45

All: 0.000+/-0.000 χ^2/NDF : 1966286.1/87

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.000 χ^2/NDF : 4242491423.9/18

Left Out: 0.026 $\pm$ 0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.024 $\pm$ 0.000 χ^2/NDF : 5679700212.9/20

Left In: 0.027 $\pm$ 0.000 χ^2/NDF : 1332033607.7/22

Left: 0.026 $\pm$ 0.000 χ^2/NDF : 3427924441.4/47

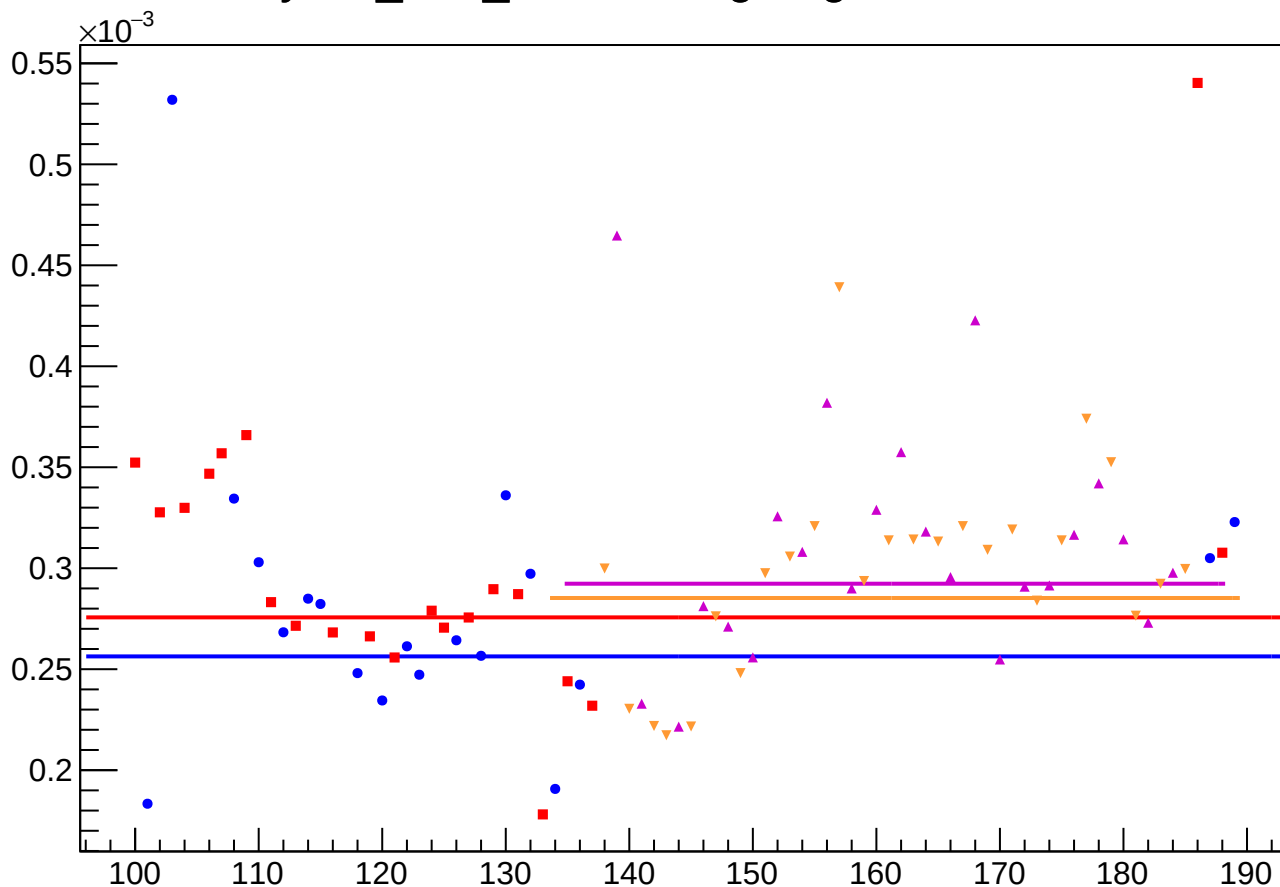
Right: 0.023 $\pm$ 0.000 χ^2/NDF : 9970792458.4/39

In: 0.025 $\pm$ 0.000 χ^2/NDF : 6688325418.0/41

Out: 0.025 $\pm$ 0.000 χ^2/NDF : 8160274807.9/45

All: 0.025 $\pm$ 0.000 χ^2/NDF : 14848715342.8/8

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 663341.4/18

Left Out: 0.000+/-0.000 χ^2/NDF :813464.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 631795.5/20

Left In: 0.000+/-0.000 χ^2/NDF :898772.9/22

Left: 0.000+/-0.000 χ^2/NDF : 1721873.2/47

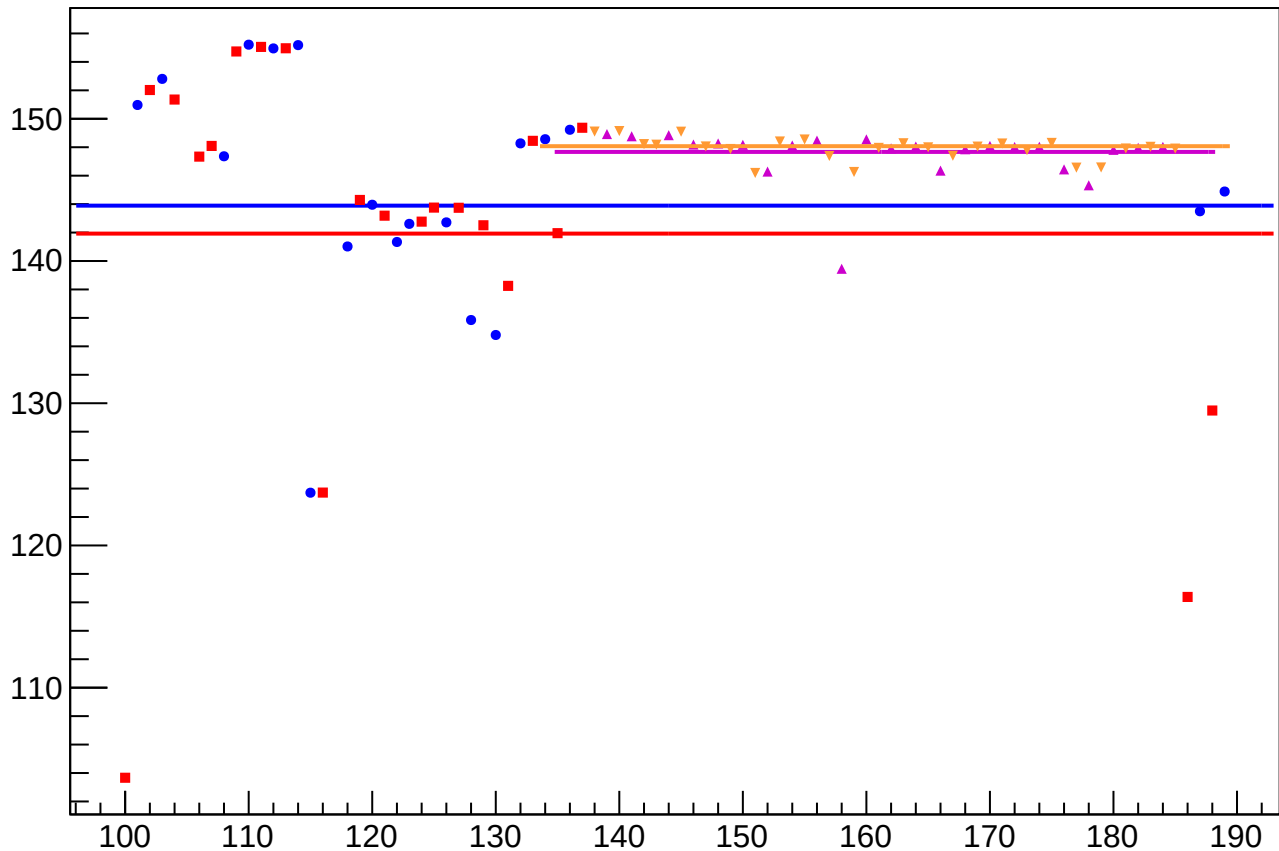
Right: 0.000+/-0.000 χ^2/NDF : 1330438.4/39

In: 0.000+/-0.000 χ^2/NDF :1724261.9/41

Out: 0.000+/-0.000 χ^2/NDF :1457114.9/45

All: 0.000+/-0.000 χ^2/NDF : 3182591.6/87

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3453719737.5/18

Left Out: 148.073 $\pm$ 0.000 χ^2 /NDF: 65614067.4/24

Right Out: 141.927 $\pm$ 0.000 χ^2 /NDF: 7196658352.4/20

Left In: 147.670 $\pm$ 0.000 χ^2 /NDF: 345222604.4/22

Left: 147.879 $\pm$ 0.000 χ^2 /NDF: 418091602.5/47

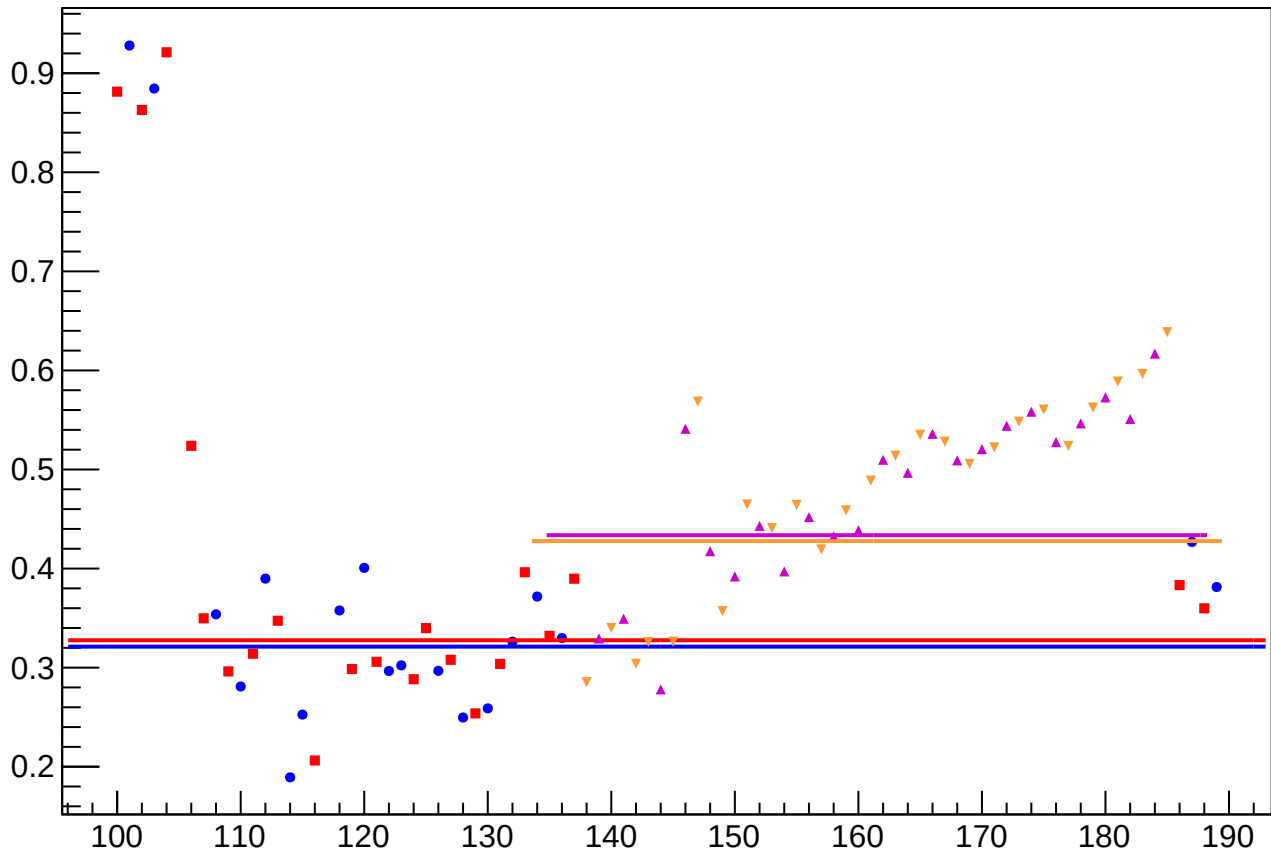
Right: 142.855 $\pm$ 0.000 χ^2 /NDF: 10770026672.3/39

In: 146.143 $\pm$ 0.000 χ^2 /NDF: 4297731553.7/41

Out: 145.528 $\pm$ 0.000 χ^2 /NDF: 8713419056.8/45

All: 145.822 $\pm$ 0.000 χ^2 /NDF: 13039774129.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



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

Left: 0.431+/-0.000 χ^2/NDF : 3396308.8/47

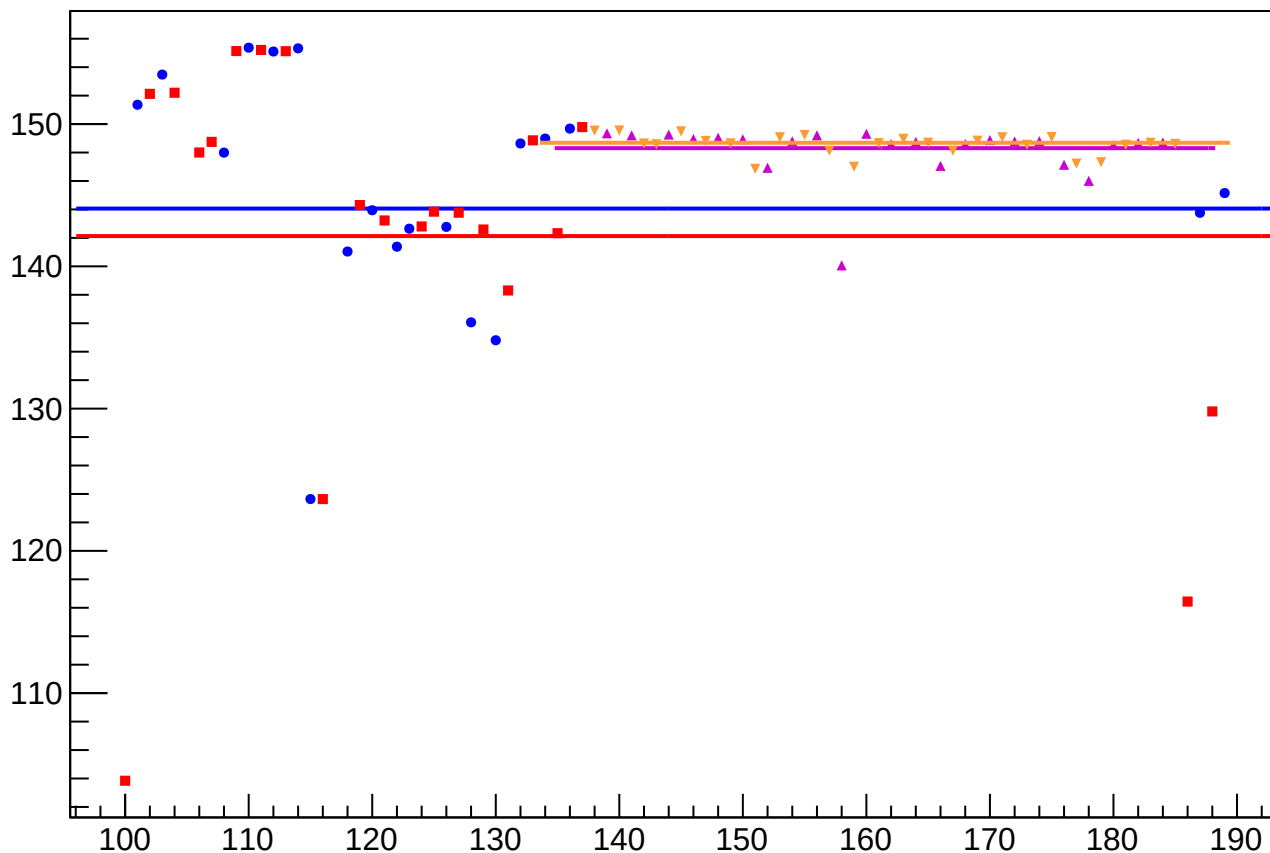
Right: 0.325+/-0.000 χ^2/NDF : 2551901.2/39

In: 0.388+/-0.000 χ^2/NDF :3679831.2/41

Out: 0.386+/-0.000 χ^2/NDF :3916584.1/45

All: 0.387+/-0.000 χ^2/NDF : 7596973.8/87

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.062 $\pm$ 0.000 χ^2 /NDF: 3498683002.4/18

Left Out: 148.686 $\pm$ 0.000 χ^2 /NDF: 52218185.1/24

Right Out: 142.127 $\pm$ 0.000 χ^2 /NDF: 7139933054.0/20

Left In: 148.307 $\pm$ 0.000 χ^2 /NDF: 333585558.2/22

Left: 148.504 $\pm$ 0.000 χ^2 /NDF: 392094013.2/47

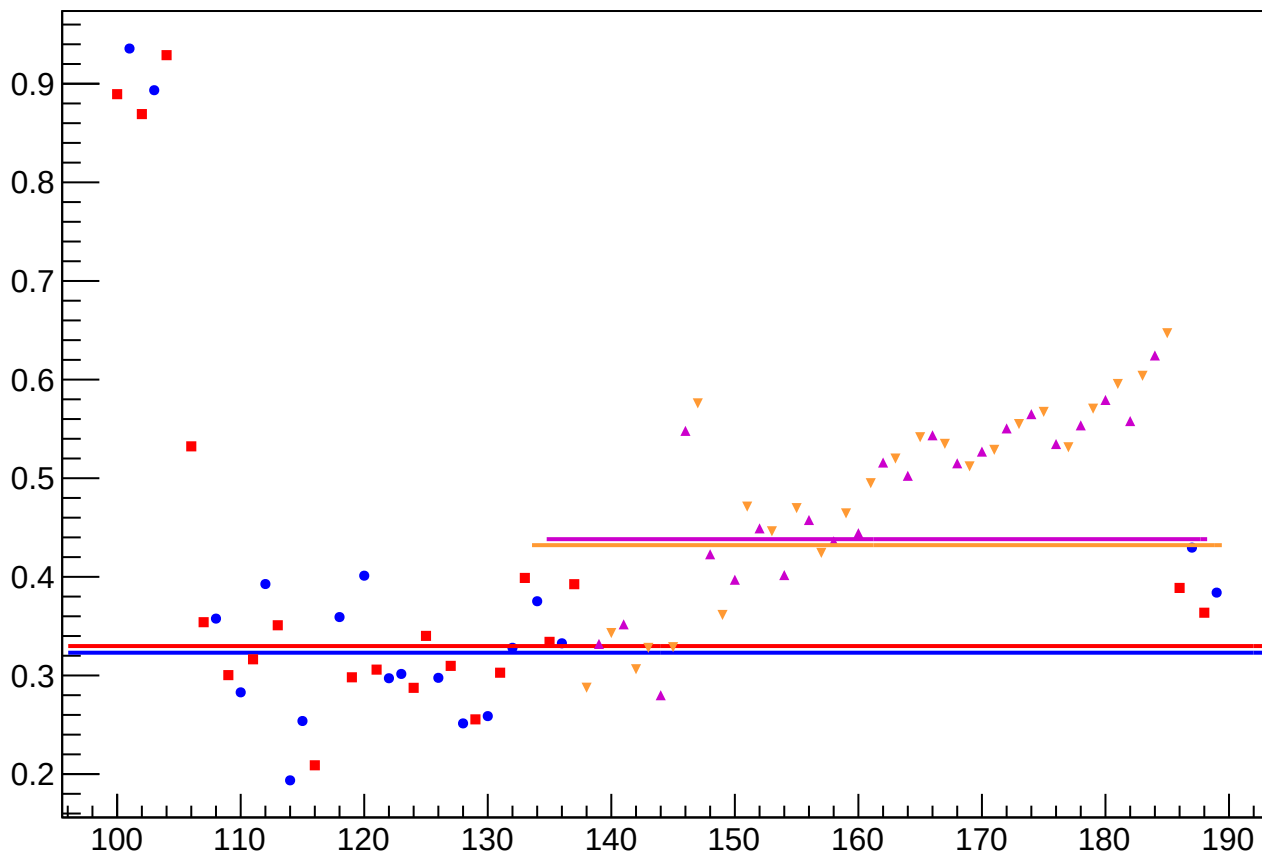
Right: 143.042 $\pm$ 0.000 χ^2 /NDF: 10753133086.4/39

In: 146.581 $\pm$ 0.000 χ^2 /NDF: 4452352888.6/41

Out: 145.958 $\pm$ 0.000 χ^2 /NDF: 8817471356.2/45

All: 146.256 $\pm$ 0.000 χ^2 /NDF: 13298678563.0/100

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



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

Left: 0.435+/-0.000 χ^2/NDF : 3454164.8/47

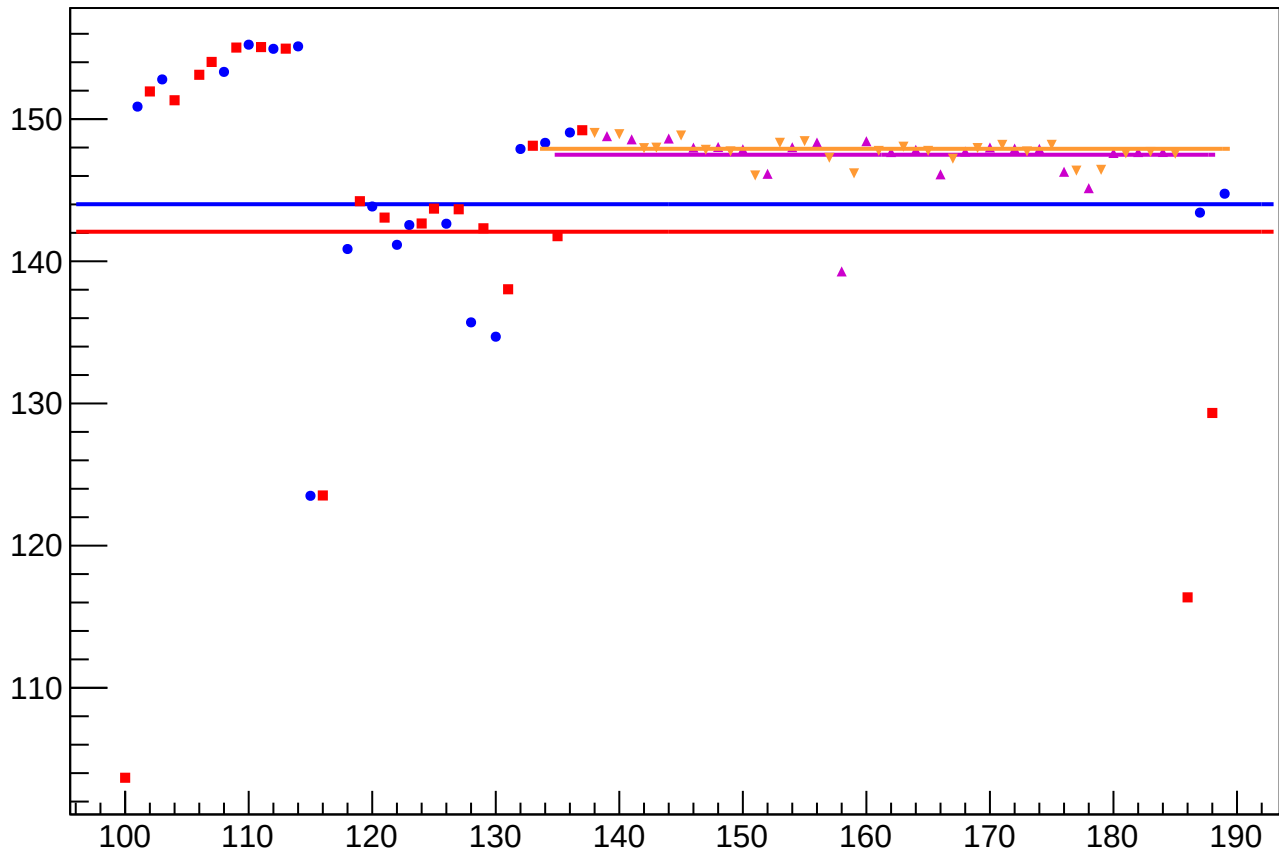
Right: 0.327+/-0.000 χ^2/NDF : 2559349.4/39

In: 0.391+/-0.000 χ^2/NDF :3735578.6/41

Out: 0.390+/-0.000 χ^2/NDF :3974902.9/45

All: 0.390+/-0.000 χ^2/NDF : 7710971.3/87

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.014 $\pm$ 0.000 χ^2 /NDF: 3666262735.8/18

Left Out: 147.911 $\pm$ 0.000 χ^2 /NDF: 64412407.9/24

Right Out: 142.079 $\pm$ 0.000 χ^2 /NDF: 7590385785.8/20

Left In: 147.493 $\pm$ 0.000 χ^2 /NDF: 343978473.2/22

Left: 147.709 $\pm$ 0.000 χ^2 /NDF: 416149781.4/47

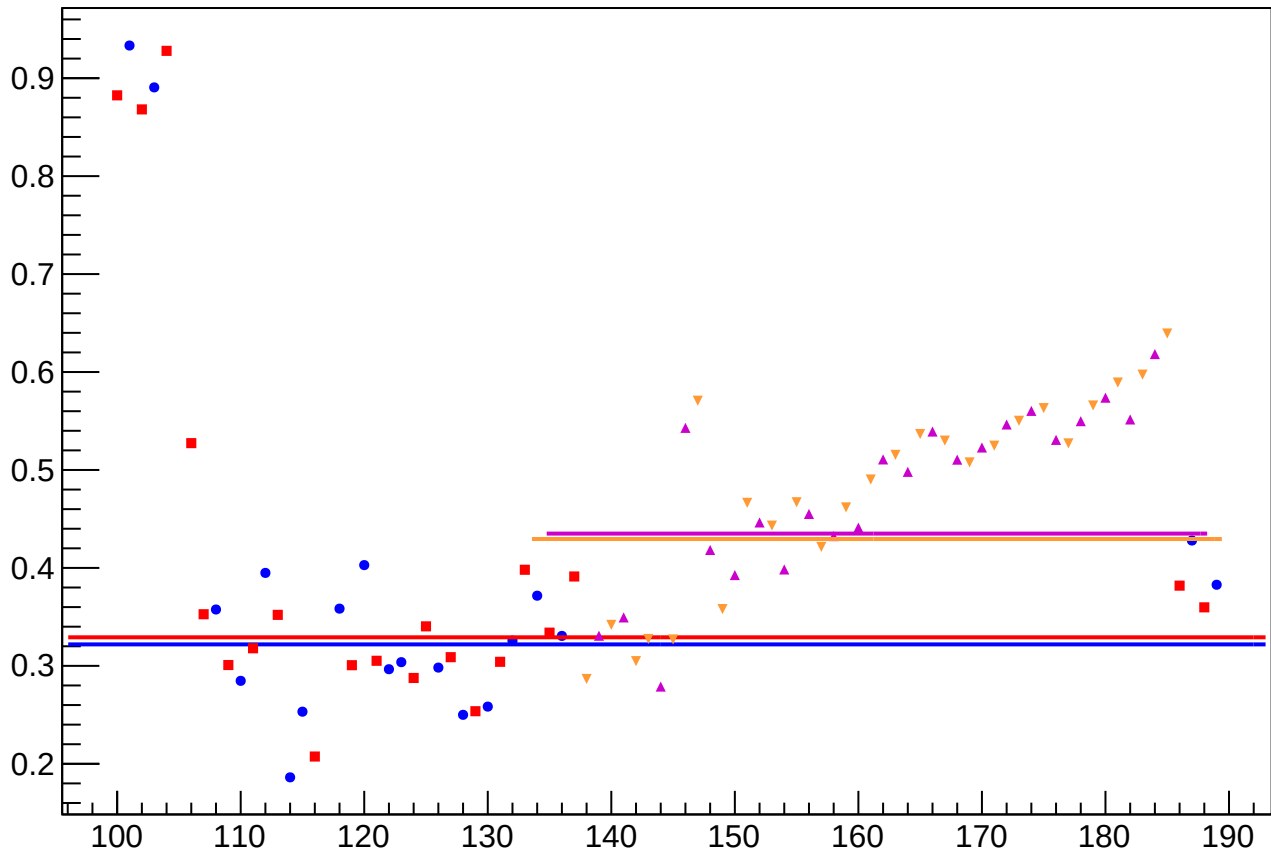
Right: 142.994 $\pm$ 0.000 χ^2 /NDF: 11371718105.4/39

In: 146.086 $\pm$ 0.000 χ^2 /NDF: 4430752985.8/41

Out: 145.498 $\pm$ 0.000 χ^2 /NDF: 8950149299.6/45

All: 145.780 $\pm$ 0.000 χ^2 /NDF: 13406956383.0

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.322 $\pm$ 0.000 χ^2 /NDF: 1314449.4/18

Left Out: 0.430 $\pm$ 0.000 χ^2 /NDF:1895701.4/24

Right Out: 0.329 $\pm$ 0.000 χ^2 /NDF: 1251399.2/20

Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1502712.5/22

Left: 0.432 $\pm$ 0.000 χ^2 /NDF: 3401133.5/47

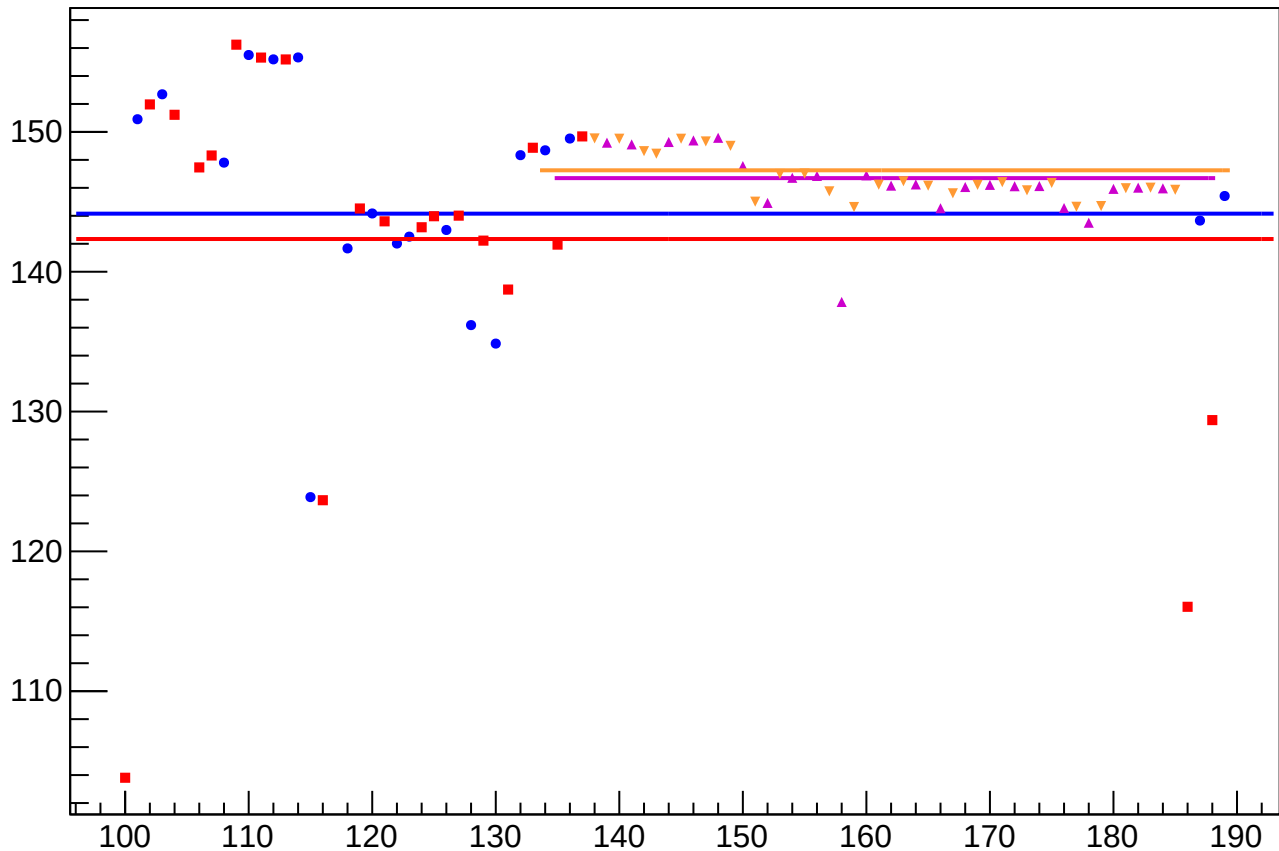
Right: 0.326 $\pm$ 0.000 χ^2 /NDF: 2569061.8/39

In: 0.389 $\pm$ 0.000 χ^2 /NDF:3706169.2/41

Out: 0.388 $\pm$ 0.000 χ^2 /NDF:3914191.6/45

All: 0.389 $\pm$ 0.000 χ^2 /NDF: 7620623.6/87

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.154 ± 0.000 $\chi^2/\text{NDF}: 3167418526.7/18$

Left Out: 147.255 ± 0.000 $\chi^2/\text{NDF}: 262138049.8/24$

Right Out: 142.341 ± 0.000 $\chi^2/\text{NDF}: 6899688022.9/20$

Left In: 146.695 ± 0.000 $\chi^2/\text{NDF}: 557896803.1/22$

Left: 146.984 ± 0.000 $\chi^2/\text{NDF}: 833217060.4/47$

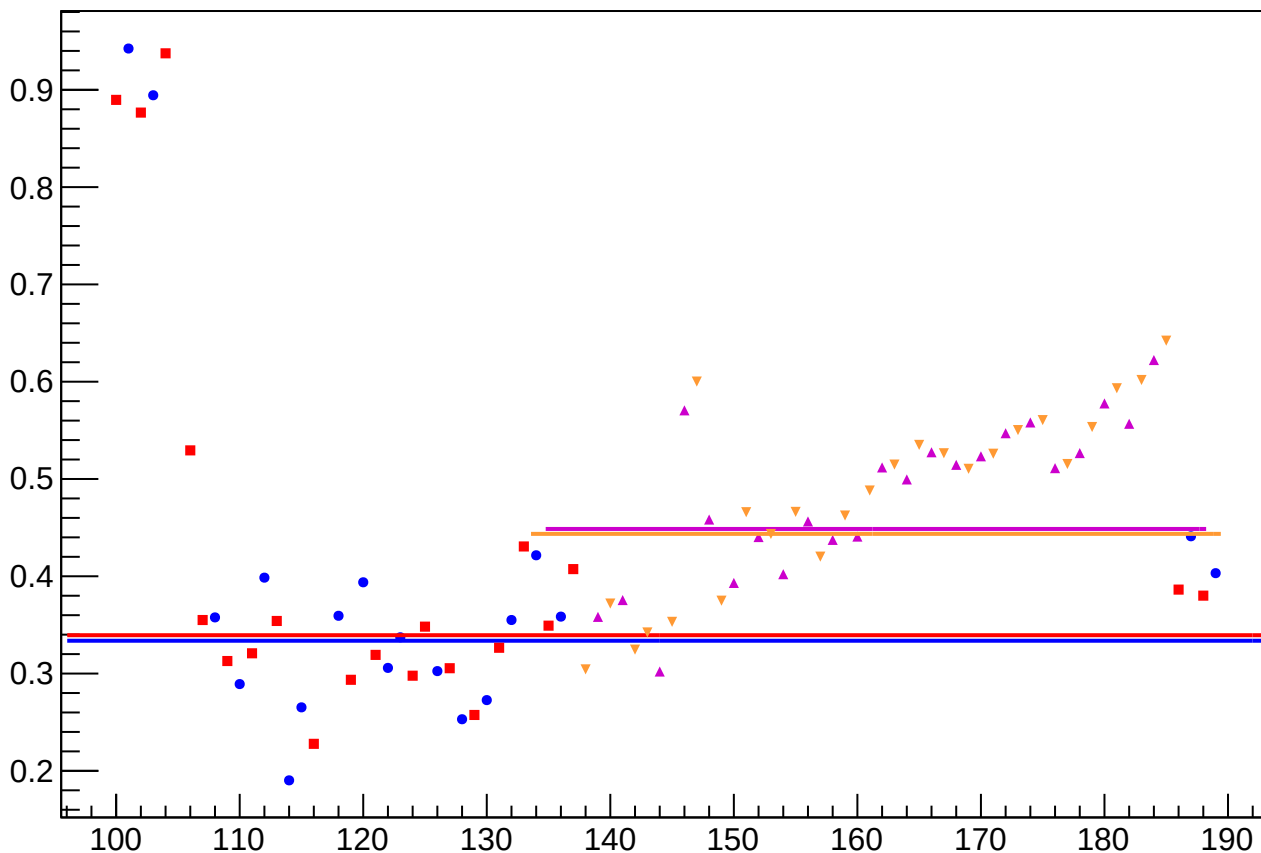
Right: 143.193 ± 0.000 $\chi^2/\text{NDF}: 10161358756.6/39$

In: 145.683 ± 0.000 $\chi^2/\text{NDF}: 3935323084.8/41$

Out: 145.232 ± 0.000 $\chi^2/\text{NDF}: 8027700799.2/45$

All: 145.447 ± 0.000 $\chi^2/\text{NDF}: 11977419753.0/82$

yield_bcm_dg_us_rms vs Slug, Sign Corrected



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

Left: 0.446+/-0.000 χ^2/NDF : 2618207.6/47

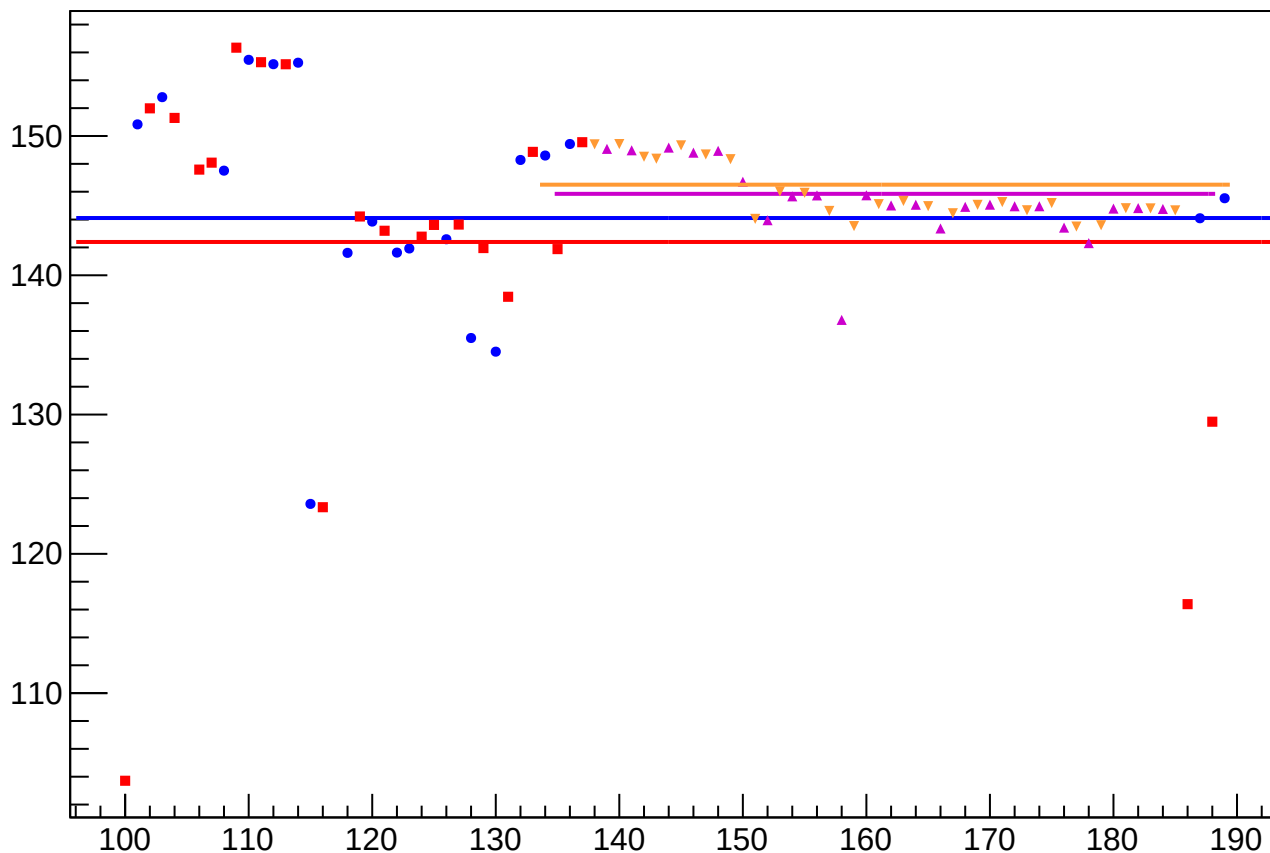
Right: 0.337+/-0.000 χ^2/NDF : 2519742.7/39

In: 0.403+/-0.000 χ^2/NDF :3292771.2/41

Out: 0.401+/-0.000 χ^2/NDF :3477988.8/45

All: 0.402+/-0.000 χ^2/NDF : 6771413.7/87

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 144.111 $\pm$ 0.000 χ^2/NDF : 3287746289.7/18

Left Out: 146.505 $\pm$ 0.000 χ^2/NDF : 401688176.3/24

Right Out: 142.391 $\pm$ 0.000 χ^2/NDF : 688122235.2/20

Left In: 145.847 $\pm$ 0.000 χ^2/NDF : 694764545.6/22

Left: 146.187 $\pm$ 0.000 χ^2/NDF : 1114638549.0/47

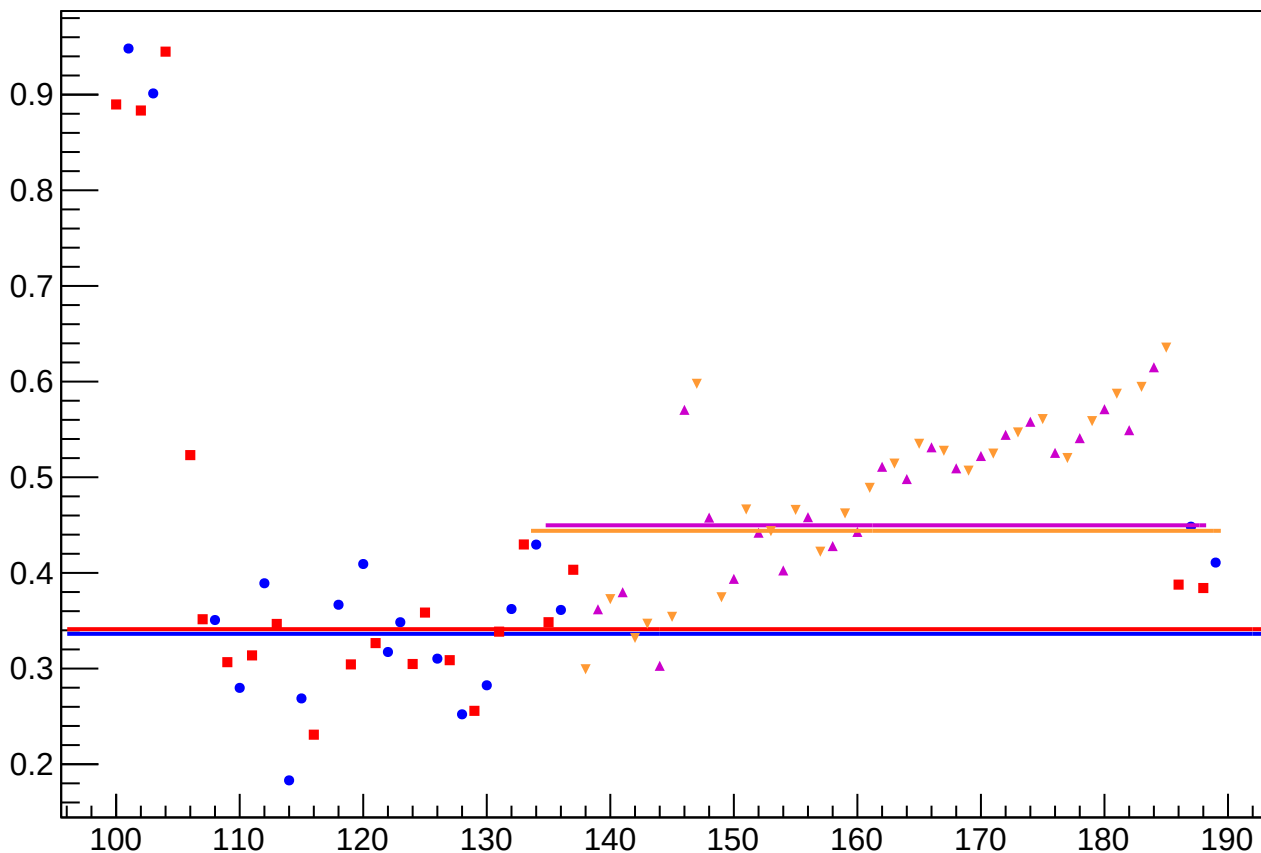
Right: 143.197 $\pm$ 0.000 χ^2/NDF : 10252362390.4/39

In: 145.161 $\pm$ 0.000 χ^2/NDF : 4079127999.4/41

Out: 144.821 $\pm$ 0.000 χ^2/NDF : 7884730597.1/45

All: 144.983 $\pm$ 0.000 χ^2/NDF : 11971946833.0

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.336 $\pm$ 0.000 χ^2 /NDF: 1320914.7/18

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 1206745.1/20

Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

Left: 0.447 $\pm$ 0.000 χ^2 /NDF: 2571486.5/47

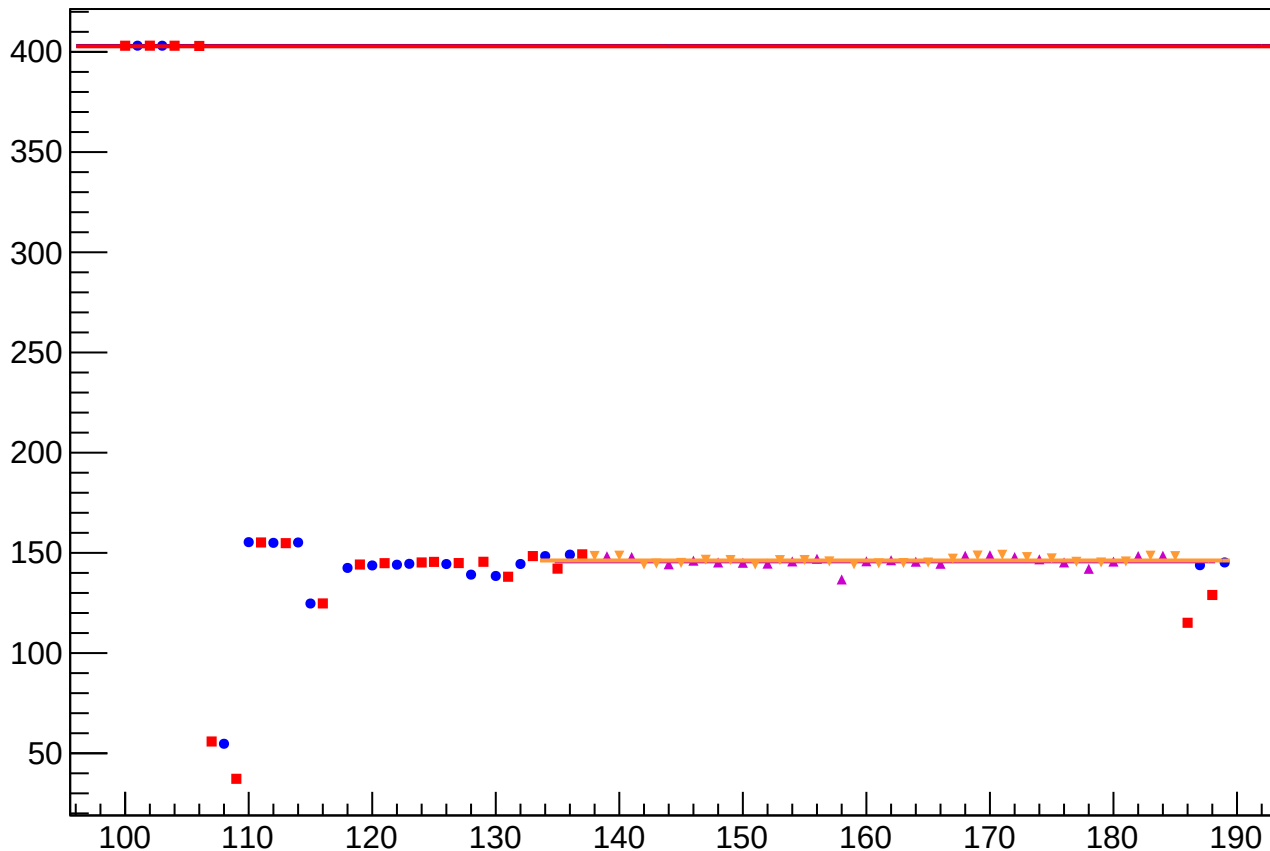
Right: 0.339 $\pm$ 0.000 χ^2 /NDF: 2528999.1/39

In: 0.405 $\pm$ 0.000 χ^2 /NDF:3252000.6/41

Out: 0.402 $\pm$ 0.000 χ^2 /NDF:3421892.1/45

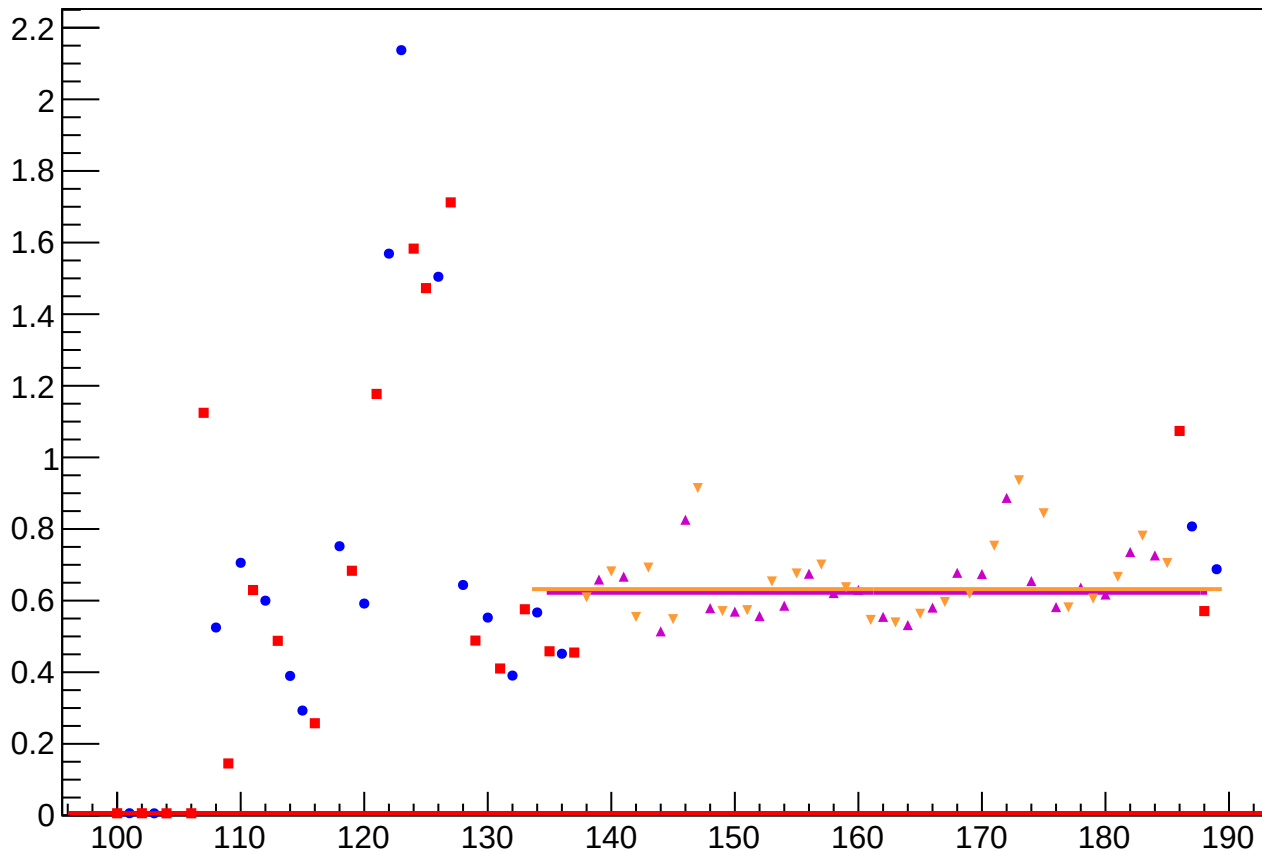
All: 0.403 $\pm$ 0.000 χ^2 /NDF: 6675166.9/87

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.950+/-0.000	χ^2/NDF : 1150923173641.2/18	Left: 145.990+/-0.000	χ^2/NDF : 297342055.1/47
Left Out: 146.205+/-0.000	χ^2/NDF : 86658381.3/24	Right: 402.859+/-0.000	χ^2/NDF : 4450014122458.0
Right Out: 402.779+/-0.000	χ^2/NDF : 3298601664085.1/20	In: 402.657+/-0.000	χ^2/NDF : 3500827078883.7/41
Left In: 145.773+/-0.000	χ^2/NDF : 207332354.9/22	Out: 402.517+/-0.000	χ^2/NDF : 5667609784212.3/41
		All: 402.583+/-0.000	χ^2/NDF : 916876381195.1/18

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 9884912.2/18

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 11245596.2/20

Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

Left: 0.627 $\pm$ 0.000 χ^2 /NDF: 1022337.9/47

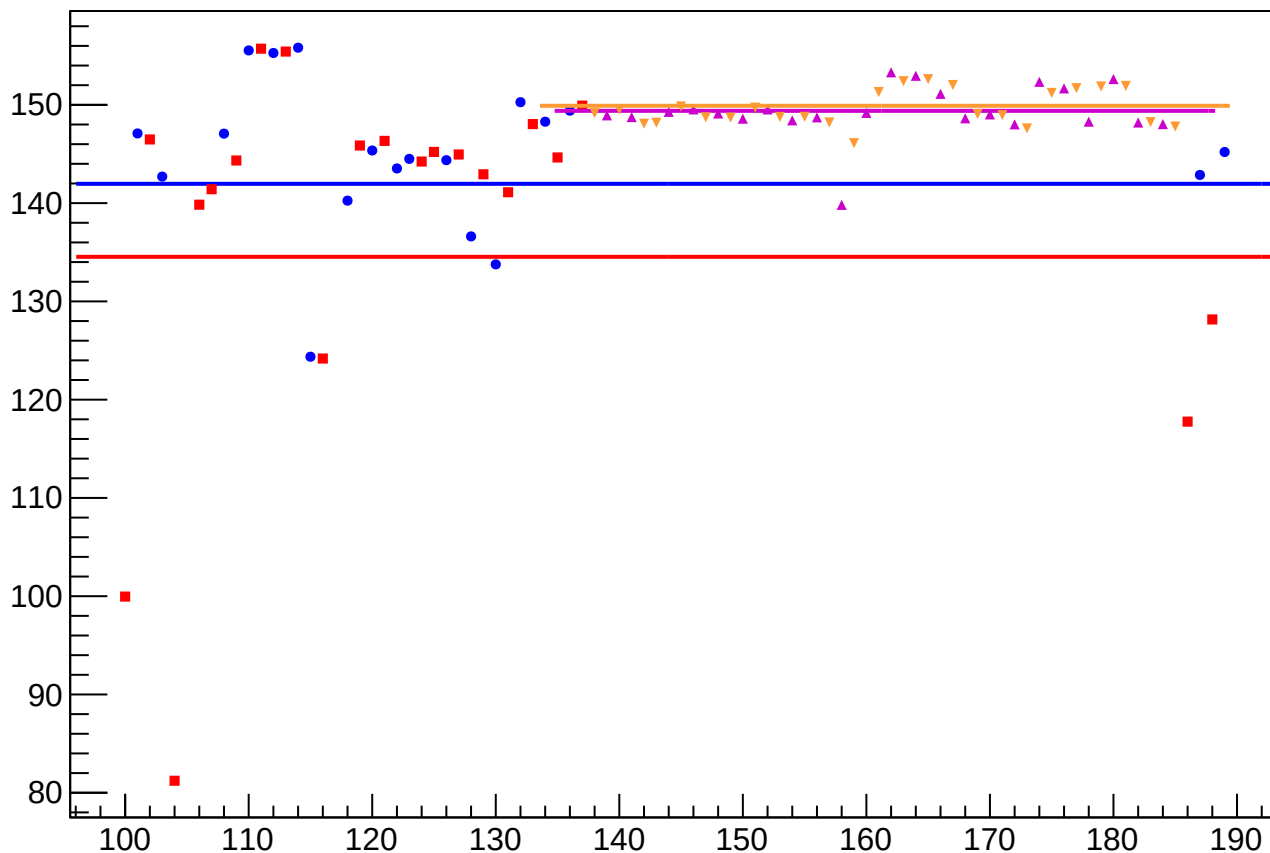
Right: 0.006 $\pm$ 0.000 χ^2 /NDF: 21130516.8/39

In: 0.007 $\pm$ 0.000 χ^2 /NDF:37213904.2/41

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:40039948.9/45

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 77253928.0/87

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.965 $\pm$ 0.000 χ^2 /NDF: 988976903.3/18

Left Out: 149.906 $\pm$ 0.000 χ^2 /NDF: 163261802.4/24

Right Out: 134.534 $\pm$ 0.000 χ^2 /NDF: 1726340819.6/20

Left In: 149.391 $\pm$ 0.000 χ^2 /NDF: 437129920.4/22

Left: 149.657 $\pm$ 0.000 χ^2 /NDF: 606930259.3/47

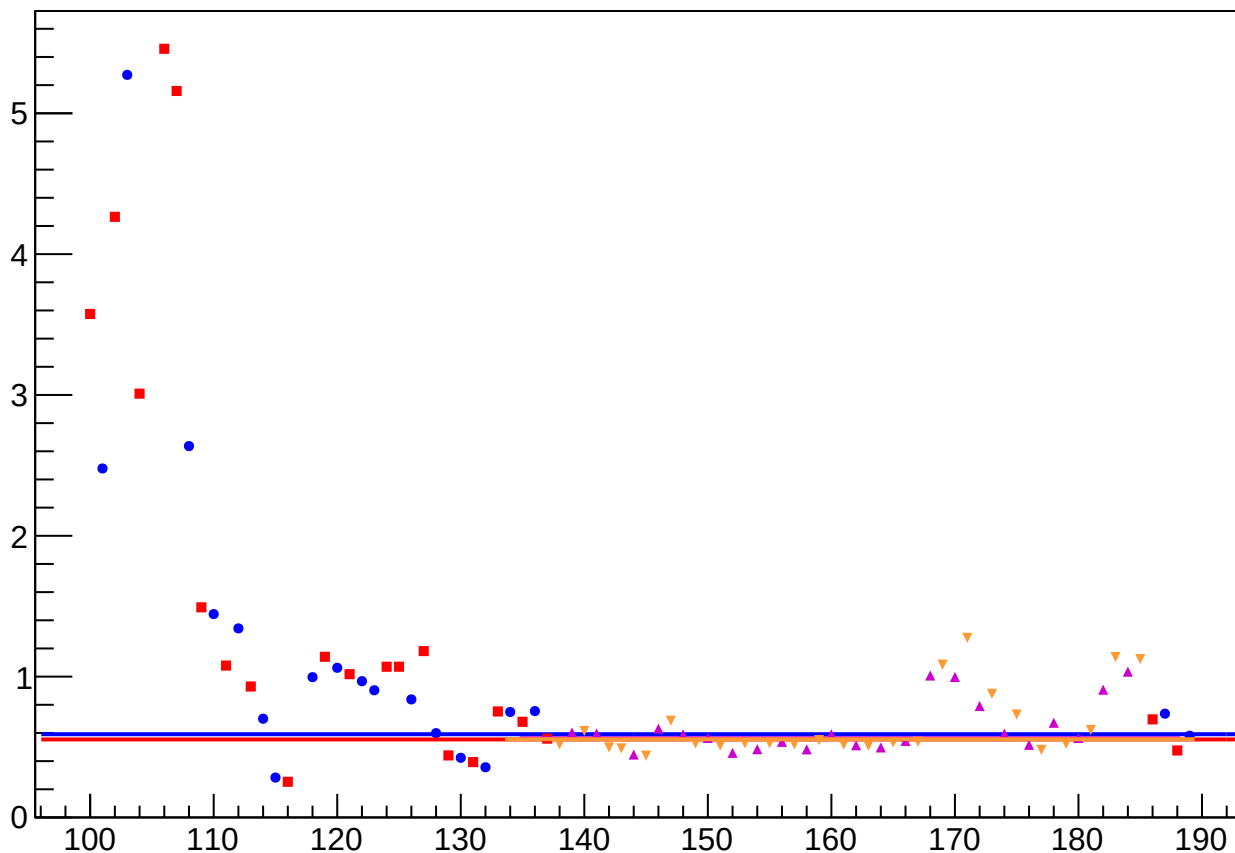
Right: 137.801 $\pm$ 0.000 χ^2 /NDF: 3065662958.0/39

In: 147.964 $\pm$ 0.000 χ^2 /NDF: 1930355443.4/41

Out: 146.512 $\pm$ 0.000 χ^2 /NDF: 4546629039.4/45

All: 147.200 $\pm$ 0.000 χ^2 /NDF: 6542320923.9

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.591+/-0.000 χ^2/NDF : 3482673.6/18

Left Out: 0.555+/-0.000 χ^2/NDF :1773380.1/24

Right Out: 0.554+/-0.000 χ^2/NDF : 4717986.9/20

Left In: 0.562+/-0.000 χ^2/NDF :1311075.2/22

Left: 0.559+/-0.000 χ^2/NDF : 3086646.6/47

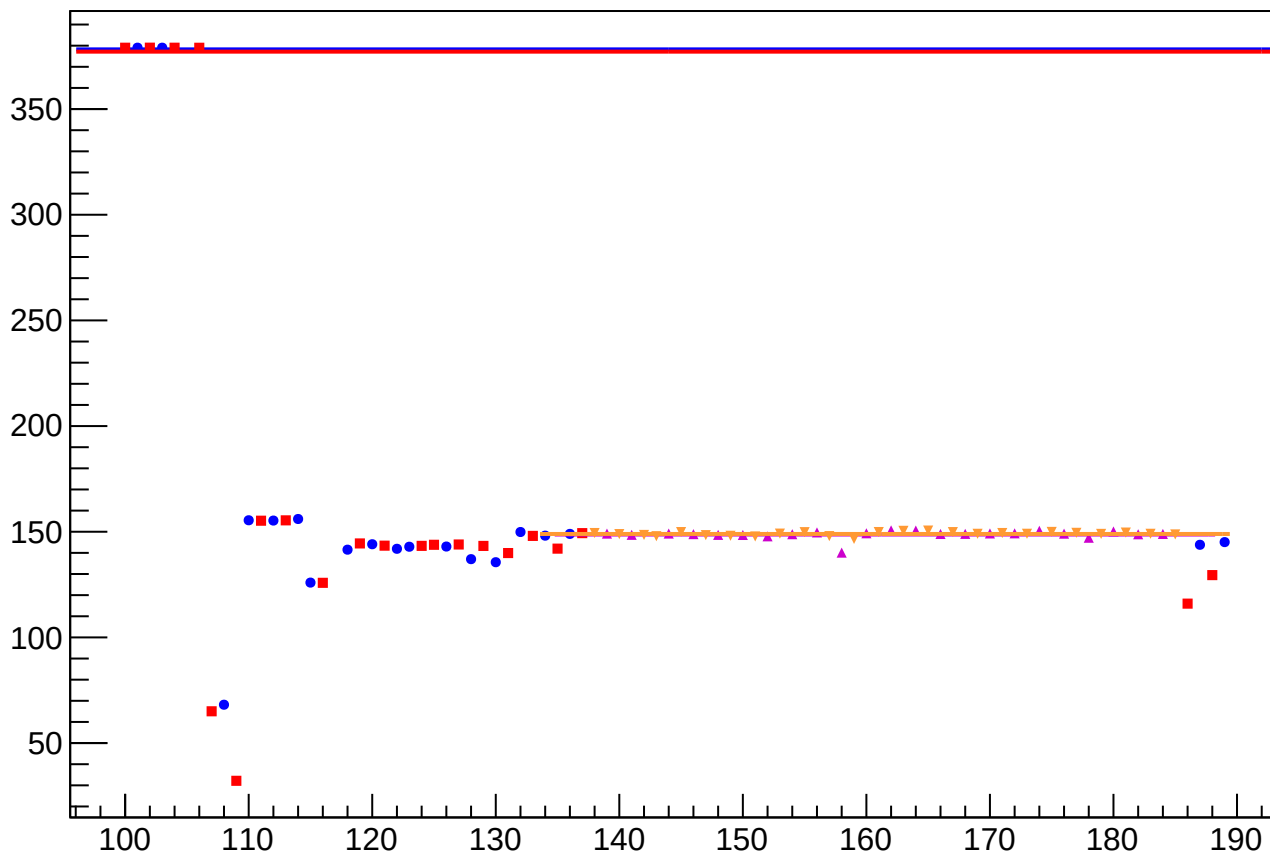
Right: 0.570+/-0.000 χ^2/NDF : 8218138.5/39

In: 0.568+/-0.000 χ^2/NDF :4809087.9/41

Out: 0.555+/-0.000 χ^2/NDF :6491416.4/45

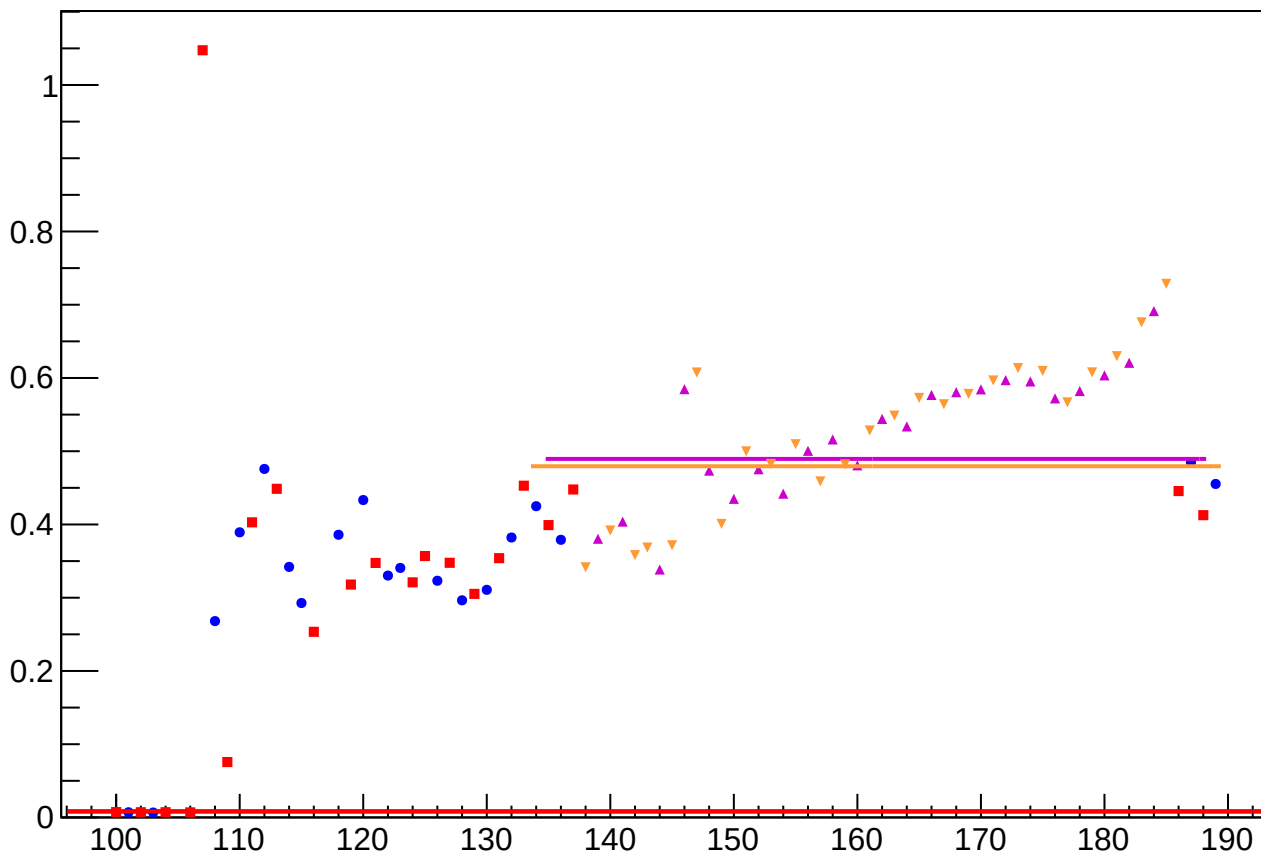
All: 0.561+/-0.000 χ^2/NDF : 11310288.3/87

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.246 $\pm$ 0.000 χ^2 /NDF: 2622470003955.9/18
 Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24
 Right Out: 377.176 $\pm$ 0.000 χ^2 /NDF: 8712579222595.6/20
 Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22
 Left: 148.820 $\pm$ 0.000 χ^2 /NDF: 320306424.2/47
 Right: 377.676 $\pm$ 0.000 χ^2 /NDF: 11343172864376.8
 In: 377.064 $\pm$ 0.000 χ^2 /NDF: 6235458550943.4/41
 Out: 376.056 $\pm$ 0.000 χ^2 /NDF: 12592881822661.8
 All: 376.527 $\pm$ 0.000 χ^2 /NDF: 188355812409.0

yield_cav4dQ_rms vs Slug, Sign Corrected



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

Left: 0.484+/-0.000 χ^2/NDF : 2616511.3/47

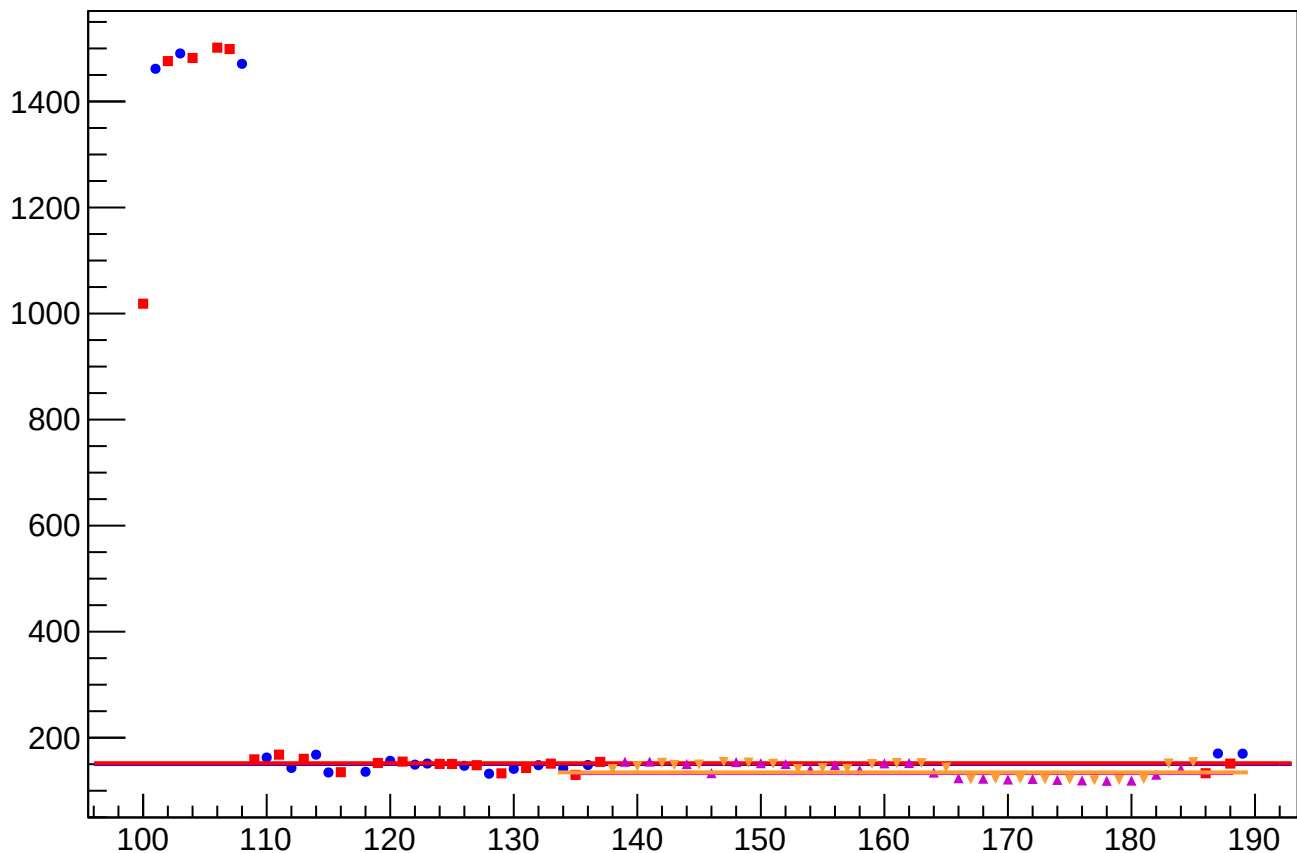
Right: 0.008+/-0.000 χ^2/NDF : 22597257.8/39

In: 0.011+/-0.000 χ^2/NDF :43652691.4/41

Out: 0.011+/-0.000 χ^2/NDF :46391019.5/45

All: 0.011+/-0.000 χ^2/NDF : 90043732.3/87

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 150.387+/-0.000

χ^2/NDF : 24782910683.2/18

Left: 133.958+/-0.000

χ^2/NDF : 8759337937.7/47

Right: 151.202+/-0.000

χ^2/NDF : 58750154173.2/39

Left Out: 134.585+/-0.000

χ^2/NDF : 4387324151.1/24

In: 136.944+/-0.000

χ^2/NDF : 30560464563.9/41

Right Out: 151.849+/-0.000

χ^2/NDF : 33959840703.3/20

Out: 138.868+/-0.000

χ^2/NDF : 40102640098.7/45

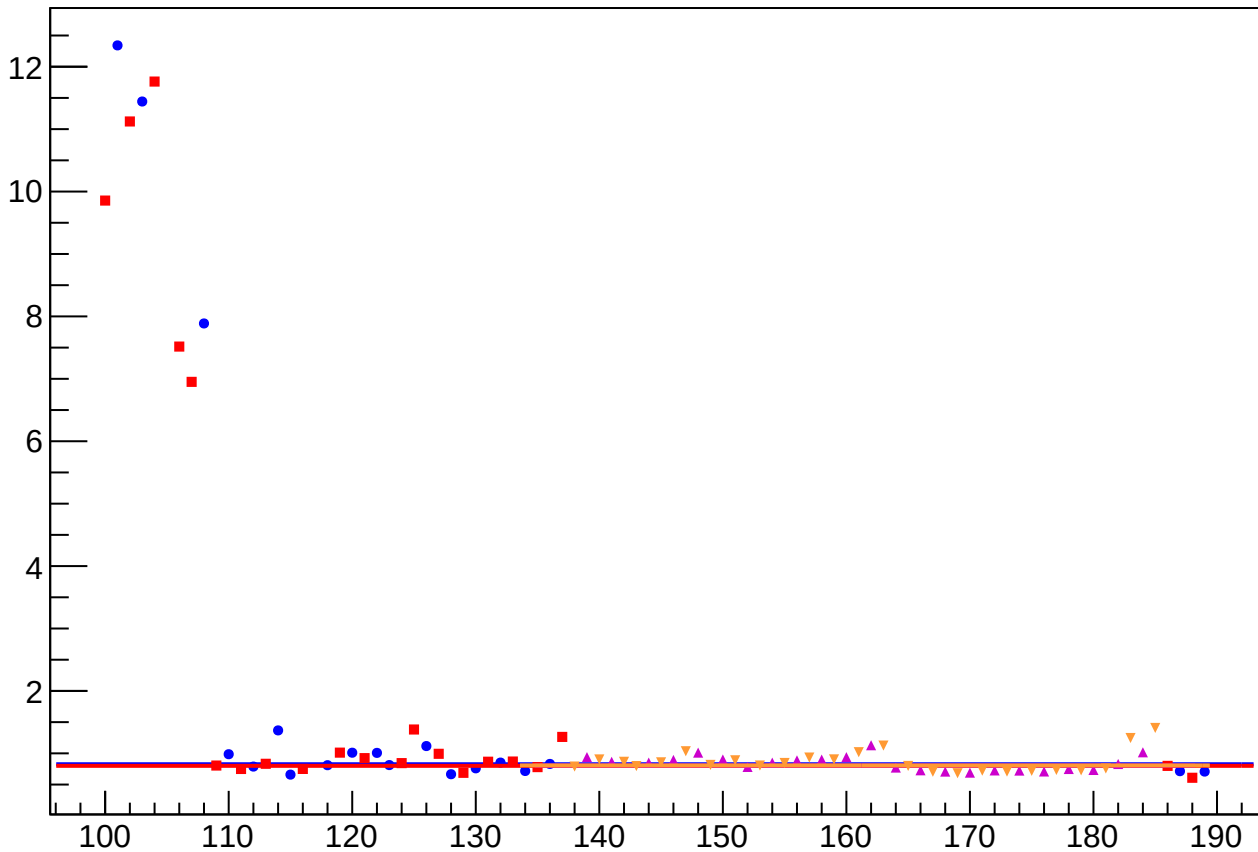
Left In: 133.309+/-0.000

χ^2/NDF : 4353039408.6/22

All: 137.944+/-0.000

χ^2/NDF : 70719187085.0/100

yield_bcm0l02_rms vs Slug, Sign Corrected



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

Left: 0.806+/-0.000 χ^2/NDF : 1183976.9/47

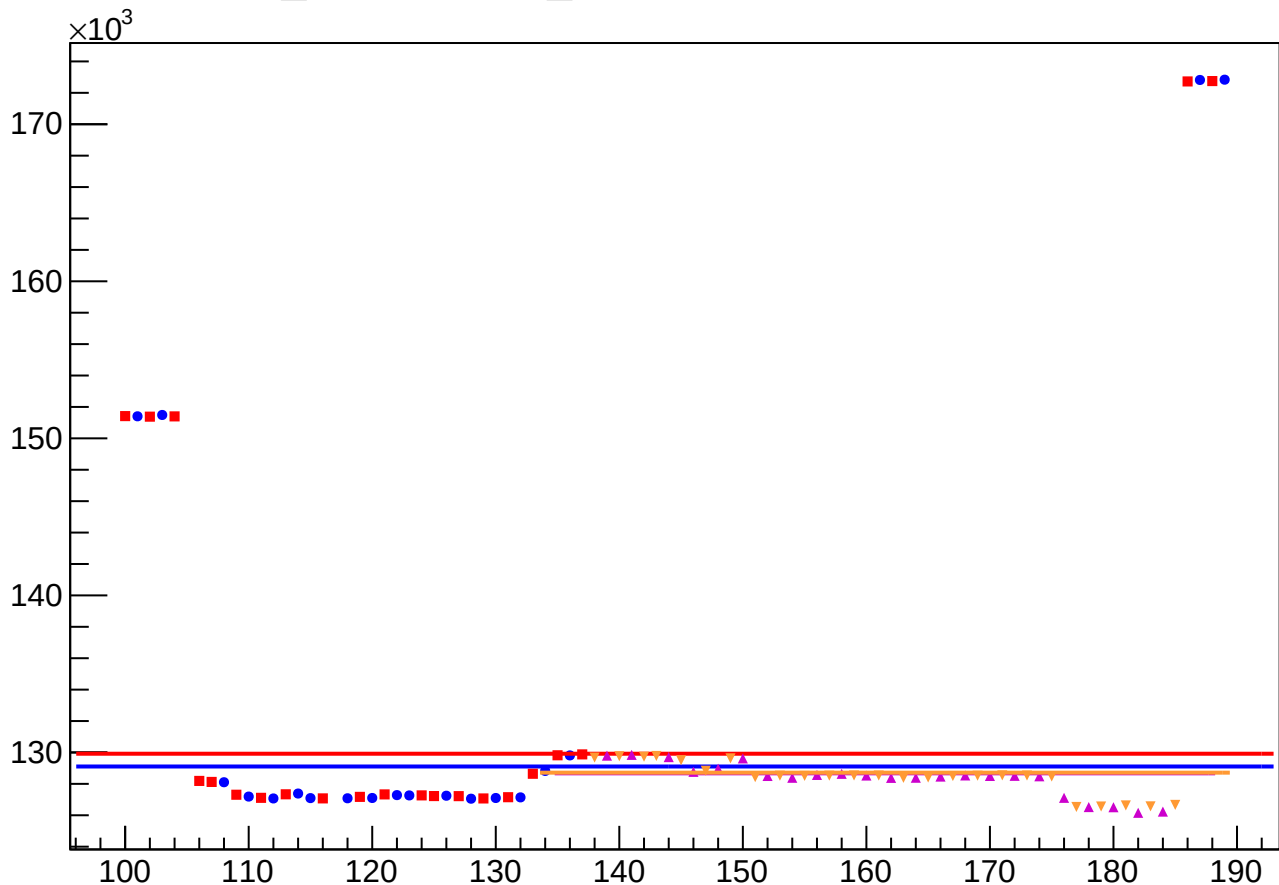
Right: 0.811+/-0.000 χ^2/NDF : 5746700.1/39

In: 0.809+/-0.000 χ^2/NDF : 3182177.2/41

Out: 0.805+/-0.000 χ^2/NDF : 3748717.4/45

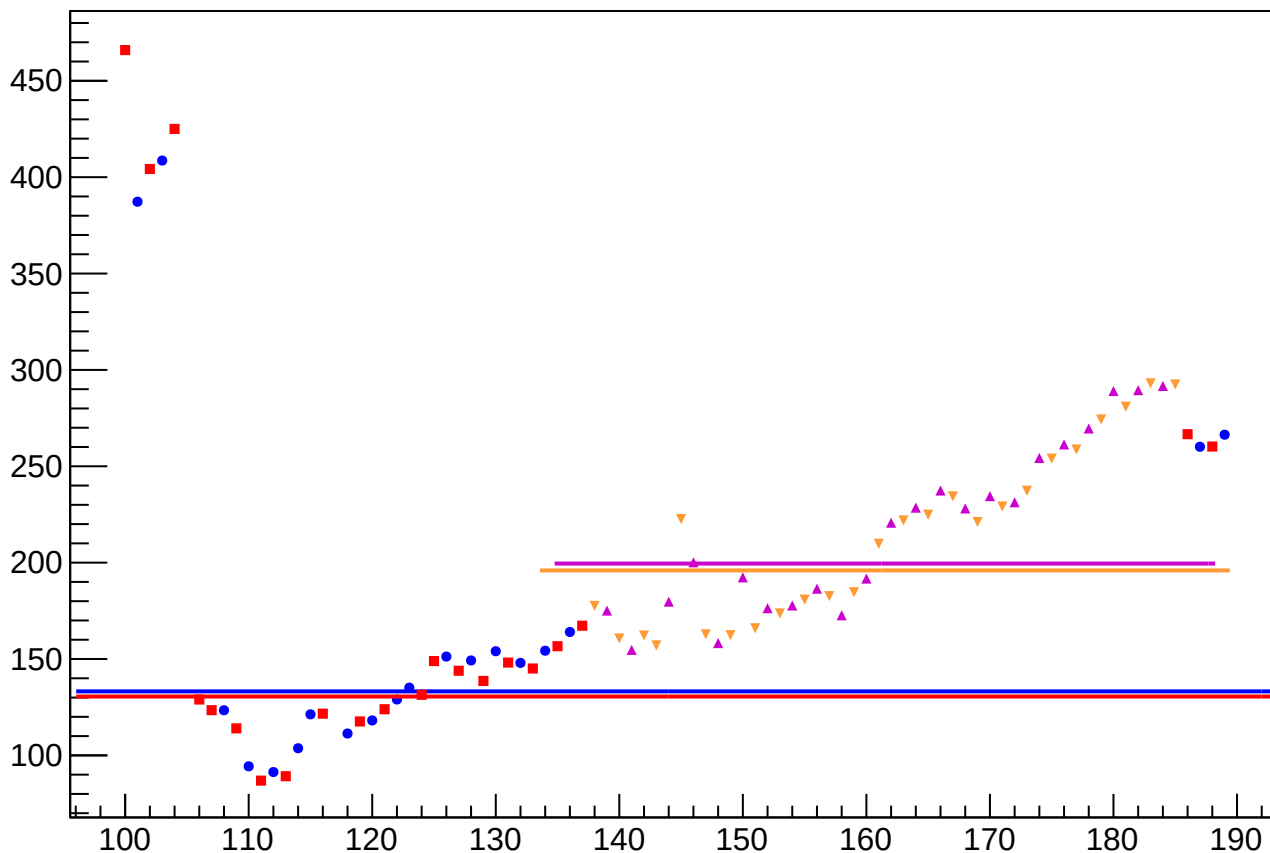
All: 0.807+/-0.000 χ^2/NDF : 6931367.8/87

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 129105.693+/-0.054	χ^2/NDF : 20521182336.8/18	Left: 128692.941+/-0.034	χ^2/NDF : 683588051.4/47
Left Out: 128713.791+/-0.047	χ^2/NDF : 348293942.5/24	Right: 129549.269+/-0.036	χ^2/NDF : 59558339791.7
Right Out: 129918.673+/-0.049	χ^2/NDF : 38913353389.2/20	In: 128866.183+/-0.036	χ^2/NDF : 20891875645.7/4
Left In: 128670.094+/-0.049	χ^2/NDF : 334875494.0/22	Out: 129283.588+/-0.034	χ^2/NDF : 39577097439.8
		All: 129088.814+/-0.025	χ^2/NDF : 605398440

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 133.203+/-0.038 χ^2/NDF : 1777332.4/18

Left Out: 195.964+/-0.033 χ^2/NDF : 1316091.7/24

Right Out: 130.536+/-0.035 χ^2/NDF : 2189579.4/20

Left In: 199.531+/-0.035 χ^2/NDF : 1175342.5/22

Left: 197.666+/-0.024 χ^2/NDF : 2497014.2/47

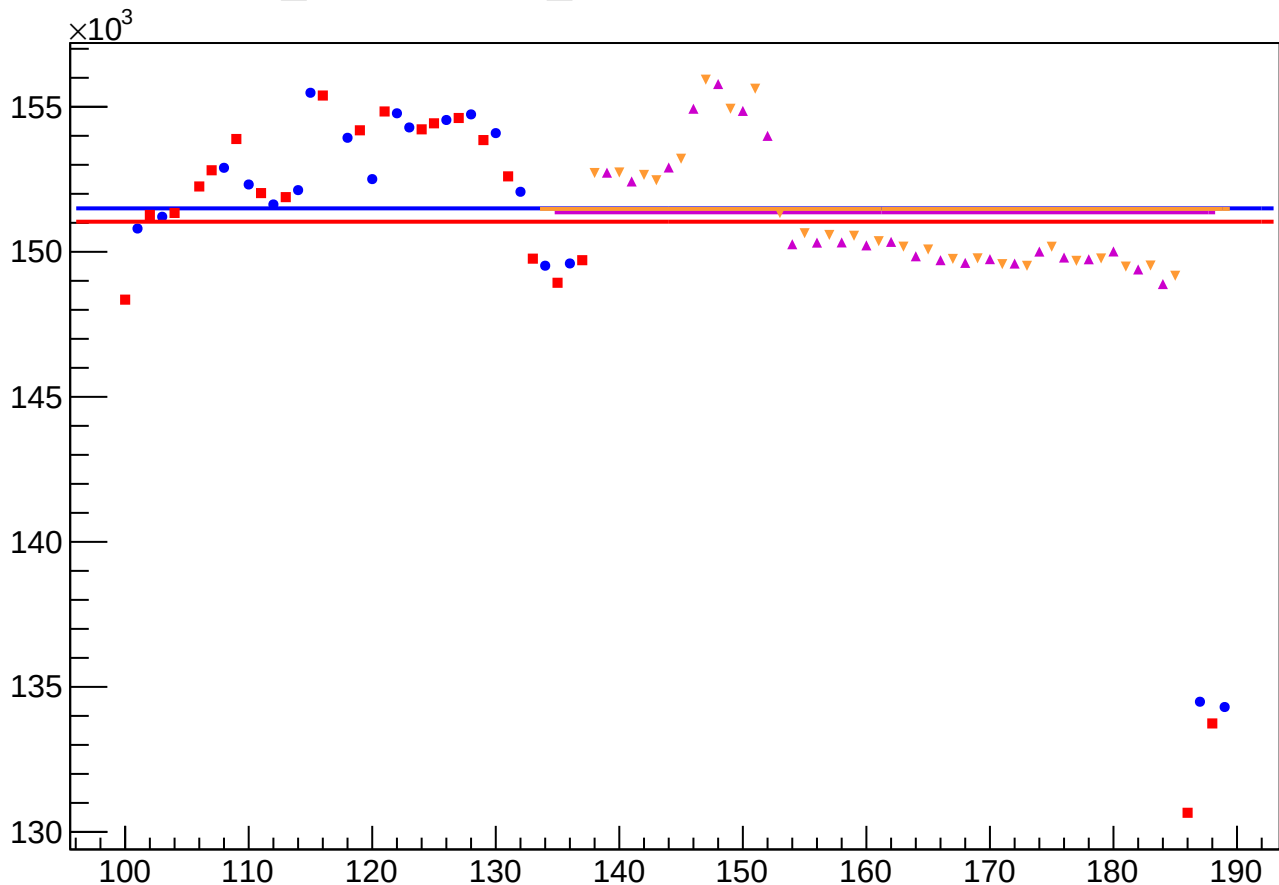
Right: 131.748+/-0.026 χ^2/NDF : 3969576.0/39

In: 169.673+/-0.026 χ^2/NDF : 4613621.4/41

Out: 165.023+/-0.024 χ^2/NDF : 5366037.2/45

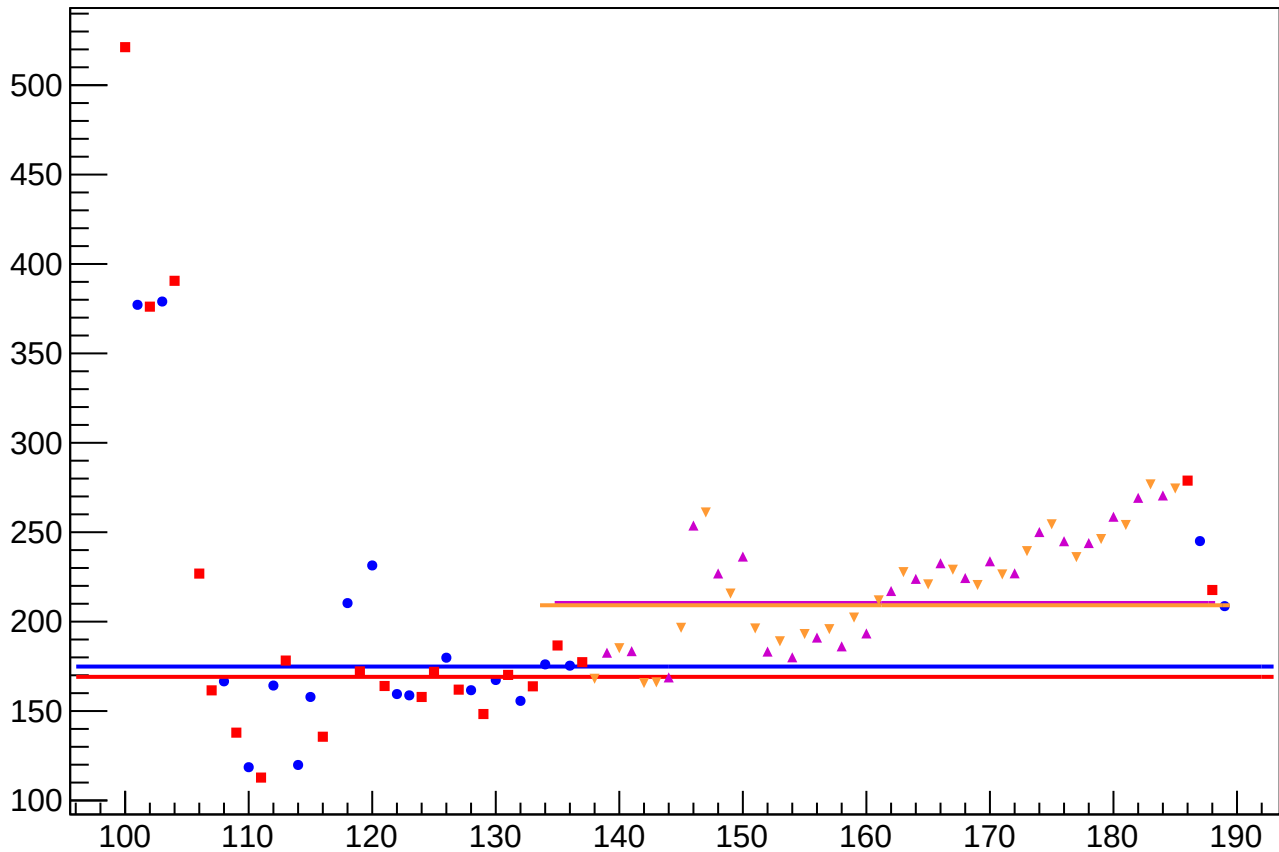
All: 167.193+/-0.017 χ^2/NDF : 9997252.5/87

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 151498.609 $\pm$ 0.070	χ^2 /NDF: 4474378786.9/18	Left: 151423.440 $\pm$ 0.036	χ^2 /NDF: 2913216467.1/18
Left Out: 151480.339 $\pm$ 0.049	χ^2 /NDF: 1483692735.3/24	Right: 151244.232 $\pm$ 0.047	χ^2 /NDF: 13522511043.7/24
Right Out: 151038.585 $\pm$ 0.063	χ^2 /NDF: 9024354048.7/20	In: 151409.793 $\pm$ 0.041	χ^2 /NDF: 5903619046.6/41
Left In: 151362.440 $\pm$ 0.051	χ^2 /NDF: 1426782789.9/22	Out: 151312.089 $\pm$ 0.039	χ^2 /NDF: 10538415045.9/22
		All: 151357.972 $\pm$ 0.028	χ^2 /NDF: 164449925.0/22

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 174.881+/-0.050 χ^2/NDF : 974519.3/18

Left Out: 209.156+/-0.035 χ^2/NDF : 710094.9/24

Right Out: 169.118+/-0.045 χ^2/NDF : 1253674.1/20

Left In: 210.431+/-0.036 χ^2/NDF : 684015.0/22

Left: 209.771+/-0.025 χ^2/NDF : 1394750.9/47

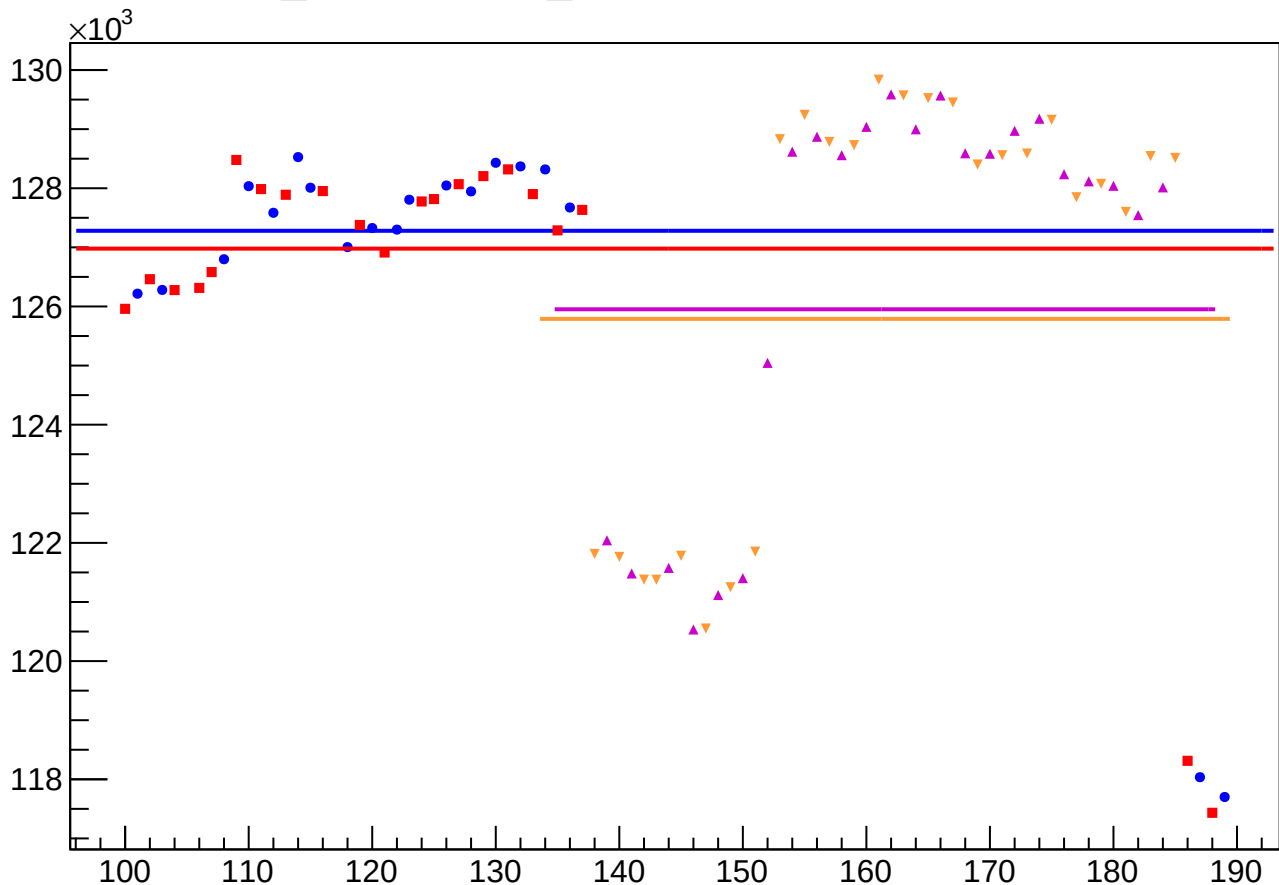
Right: 171.694+/-0.033 χ^2/NDF : 2235657.0/39

In: 198.068+/-0.029 χ^2/NDF : 1993532.4/41

Out: 193.906+/-0.028 χ^2/NDF : 2462691.7/45

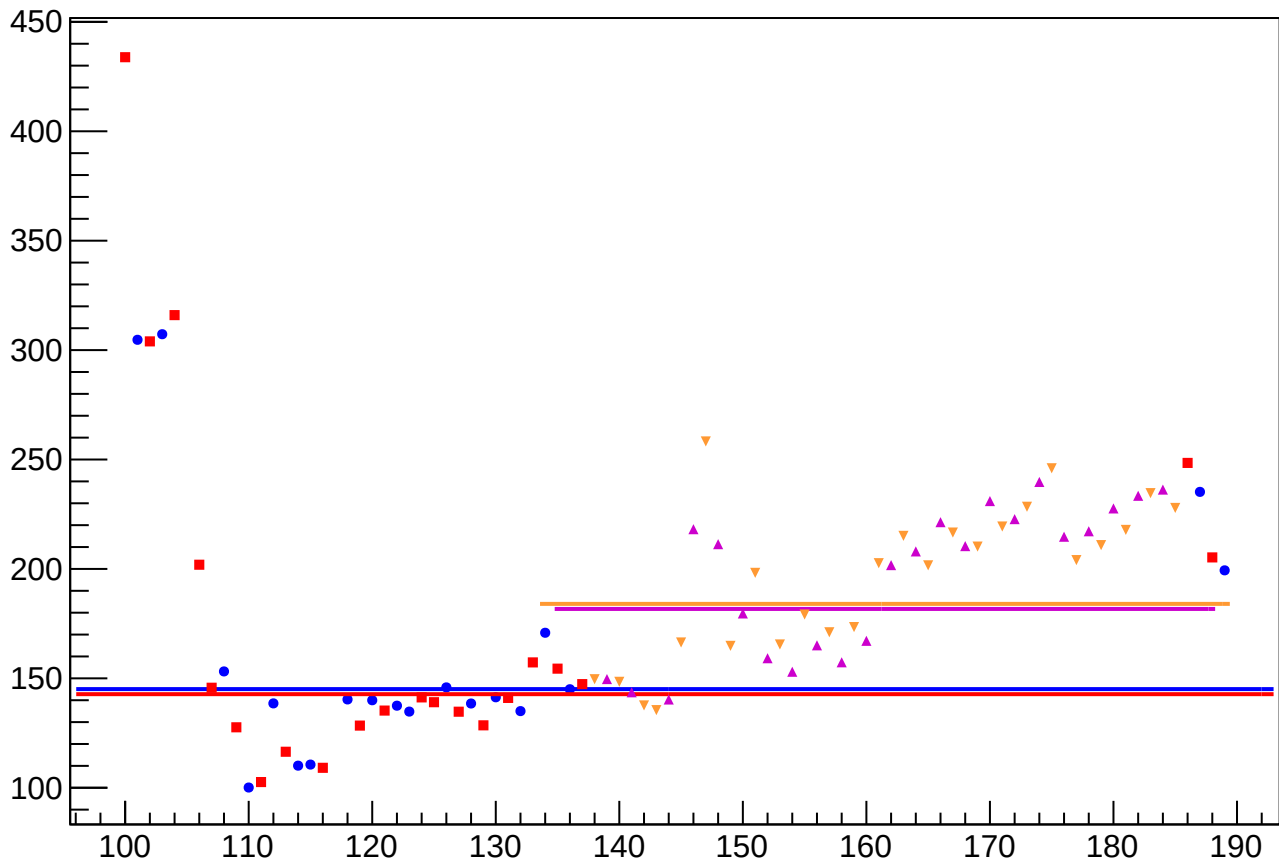
All: 195.861+/-0.020 χ^2/NDF : 4466959.0/87

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127280.321 $\pm$ 0.057	χ^2 /NDF: 1366376025.4/18	Left: 125870.001 $\pm$ 0.031	χ^2 /NDF: 12592819321.6/18
Left Out: 125790.126 $\pm$ 0.044	χ^2 /NDF: 6744310079.8/24	Right: 127116.600 $\pm$ 0.039	χ^2 /NDF: 4028602044.9/18
Right Out: 126978.331 $\pm$ 0.052	χ^2 /NDF: 2647070360.5/20	In: 126456.301 $\pm$ 0.035	χ^2 /NDF: 7543583125.5/42
Left In: 125952.447 $\pm$ 0.045	χ^2 /NDF: 5841800367.5/22	Out: 126279.981 $\pm$ 0.034	χ^2 /NDF: 9692557144.2/42
		All: 126364.352 $\pm$ 0.024	χ^2 /NDF: 172492374.2/18

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 145.084+/-0.040 χ^2/NDF : 946955.7/18

Left Out: 184.029+/-0.031 χ^2/NDF : 1126592.5/24

Right Out: 142.767+/-0.037 χ^2/NDF : 1277932.1/20

Left In: 181.714+/-0.032 χ^2/NDF : 1116142.0/22

Left: 182.890+/-0.022 χ^2/NDF : 2245464.4/47

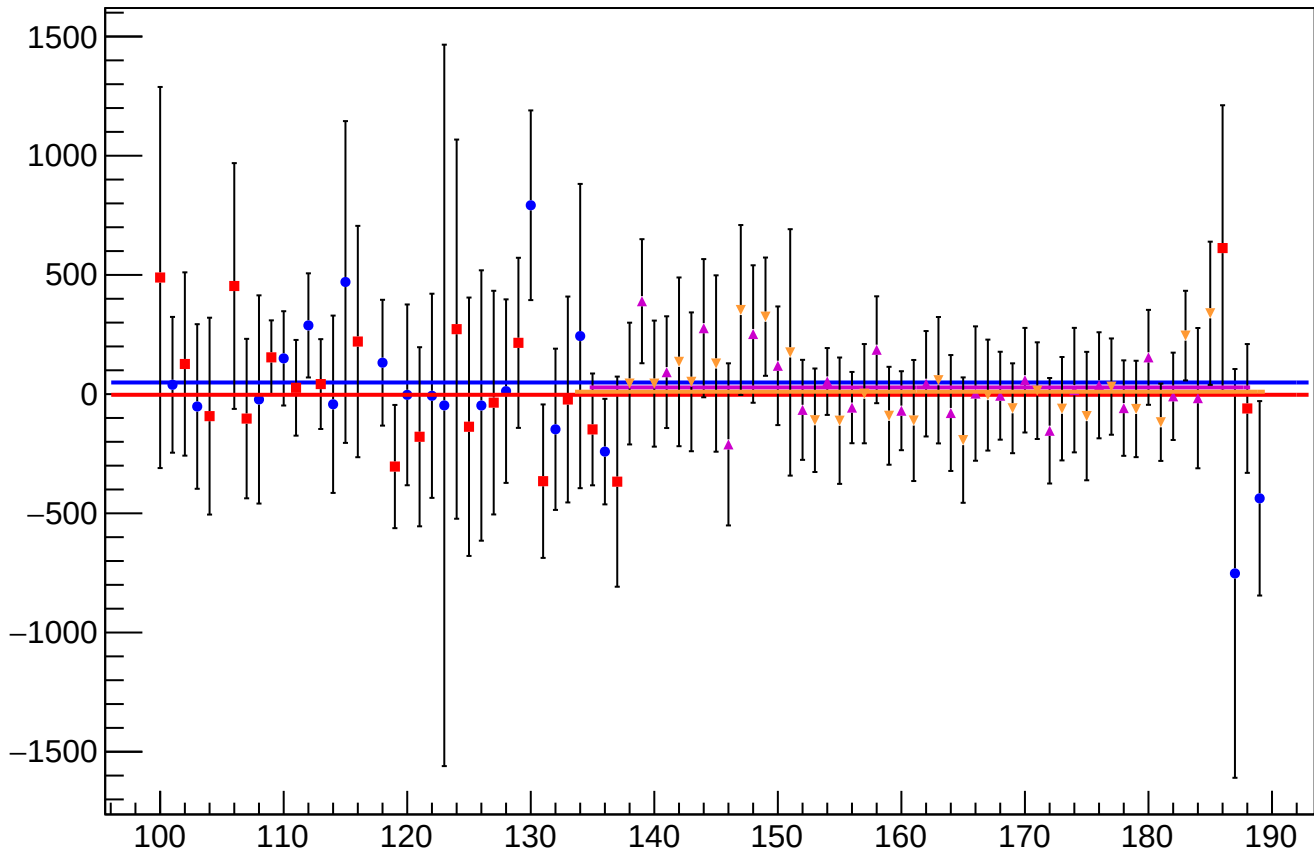
Right: 143.828+/-0.027 χ^2/NDF : 2226672.7/39

In: 167.815+/-0.025 χ^2/NDF : 2573546.8/41

Out: 167.018+/-0.024 χ^2/NDF : 3130925.3/45

All: 167.400+/-0.017 χ^2/NDF : 5705007.1/87

asym_bcm_an_ds_mean vs Slug, Sign Corrected



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

Left: 19.632+/-32.499 χ^2/NDF : 15.5/47

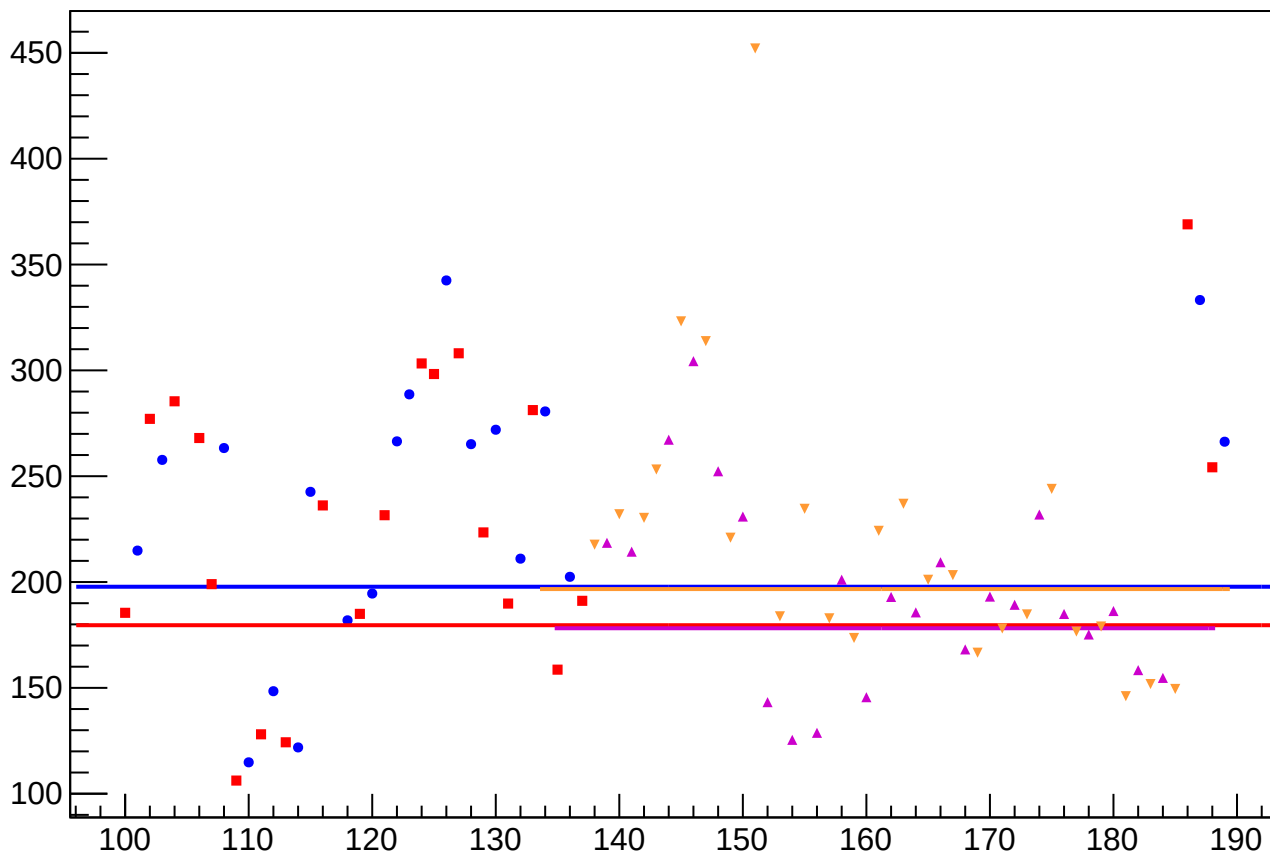
Right: 19.305+/-51.017 χ^2/NDF : 18.7/39

In: 33.168+/-38.702 χ^2/NDF : 17.1/41

Out: 5.820+/-38.826 χ^2/NDF : 16.8/45

All: 19.538+/-27.410 χ^2/NDF : 34.2/87

asym_bcm_an_ds_rms vs Slug, Sign Corrected



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

Left: 186.838 $\pm$ 0.023 χ^2 /NDF: 3563331.3/47

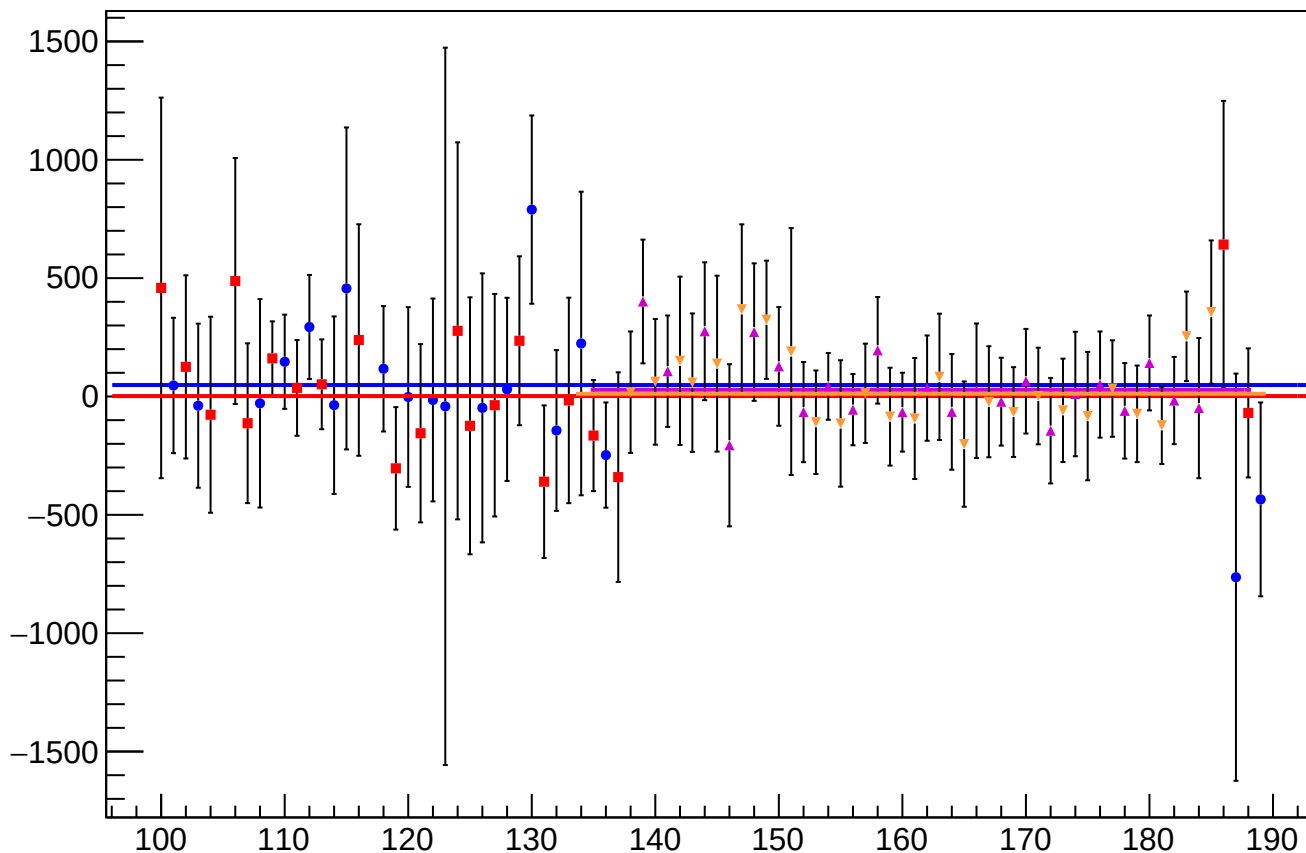
Right: 187.375 $\pm$ 0.036 χ^2 /NDF: 3142596.1/39

In: 182.992 $\pm$ 0.027 χ^2 /NDF: 2844048.4/41

Out: 191.019 $\pm$ 0.027 χ^2 /NDF: 3819162.1/45

All: 186.993 $\pm$ 0.019 χ^2 /NDF: 6706085.0/87

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 48.272 $\pm$ 78.397 χ^2 /NDF: 10.1/18

Left Out: 11.479 $\pm$ 47.819 χ^2 /NDF:8.8/24

Right Out: 1.831 $\pm$ 67.812 χ^2 /NDF: 8.5/20

Left In: 28.280 $\pm$ 44.863 χ^2 /NDF:7.1/22

Left: 20.415 $\pm$ 32.718 χ^2 /NDF: 16.0/47

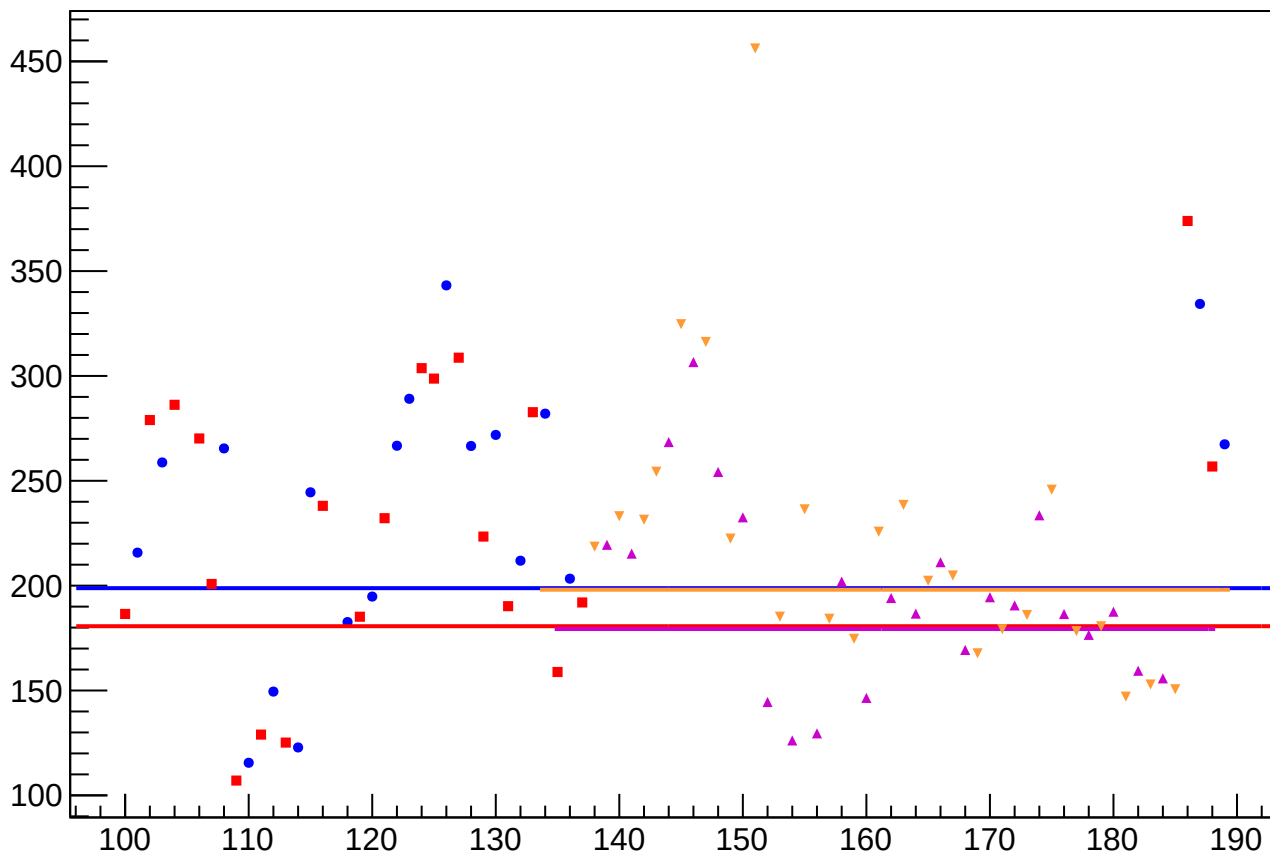
Right: 21.707 $\pm$ 51.288 χ^2 /NDF: 18.8/39

In: 33.212 $\pm$ 38.938 χ^2 /NDF:17.2/41

Out: 8.275 $\pm$ 39.080 χ^2 /NDF:17.4/45

All: 20.789 $\pm$ 27.583 χ^2 /NDF: 34.8/87

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



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

Left: 188.094 $\pm$ 0.023 χ^2 /NDF: 3560073.1/47

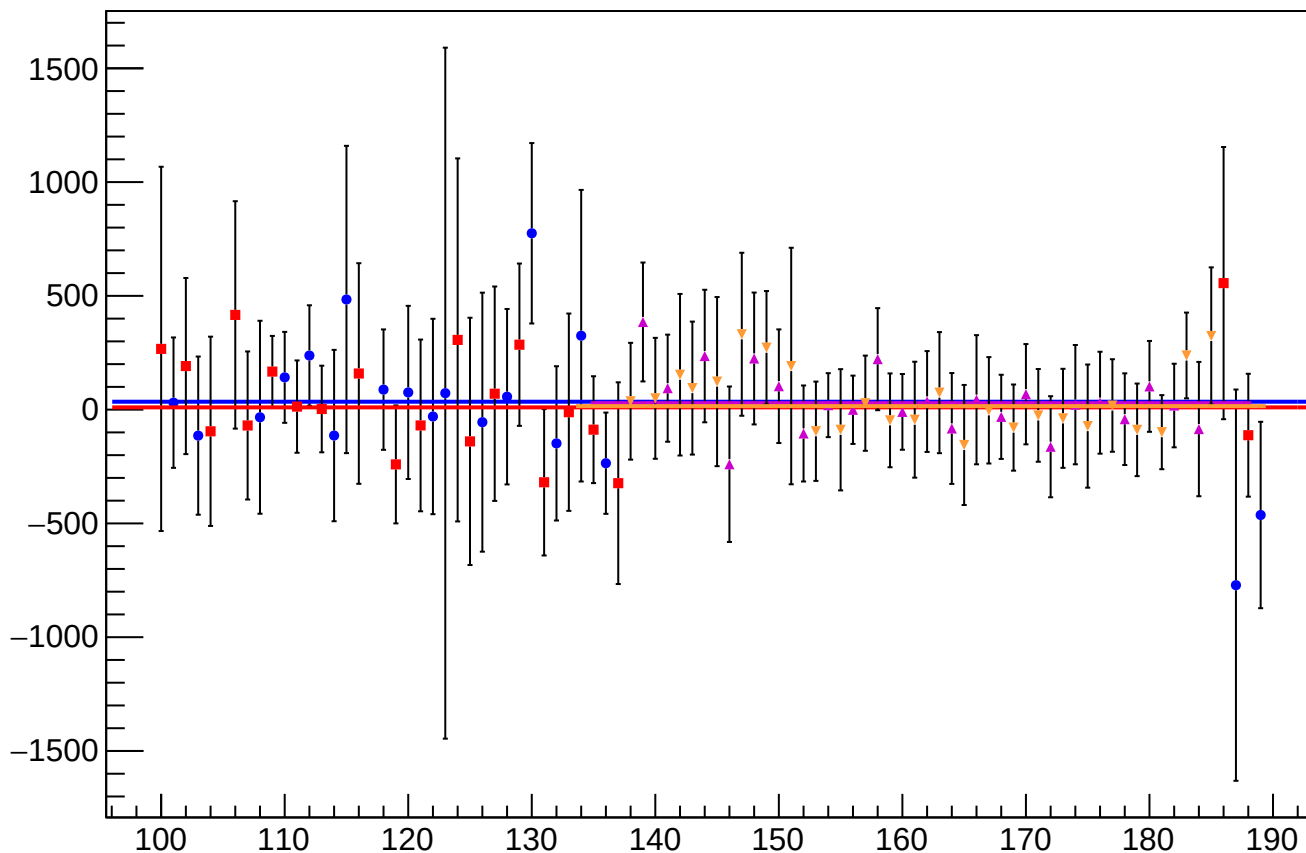
Right: 188.425 $\pm$ 0.036 χ^2 /NDF: 3126517.7/39

In: 184.129 $\pm$ 0.028 χ^2 /NDF: 2831875.5/41

Out: 192.281 $\pm$ 0.028 χ^2 /NDF: 3811106.5/45

All: 188.190 $\pm$ 0.020 χ^2 /NDF: 6686649.8/87

asym_bcm_an_us_mean vs Slug, Sign Corrected



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

Left: 22.267+/-32.632 χ^2/NDF : 13.4/47

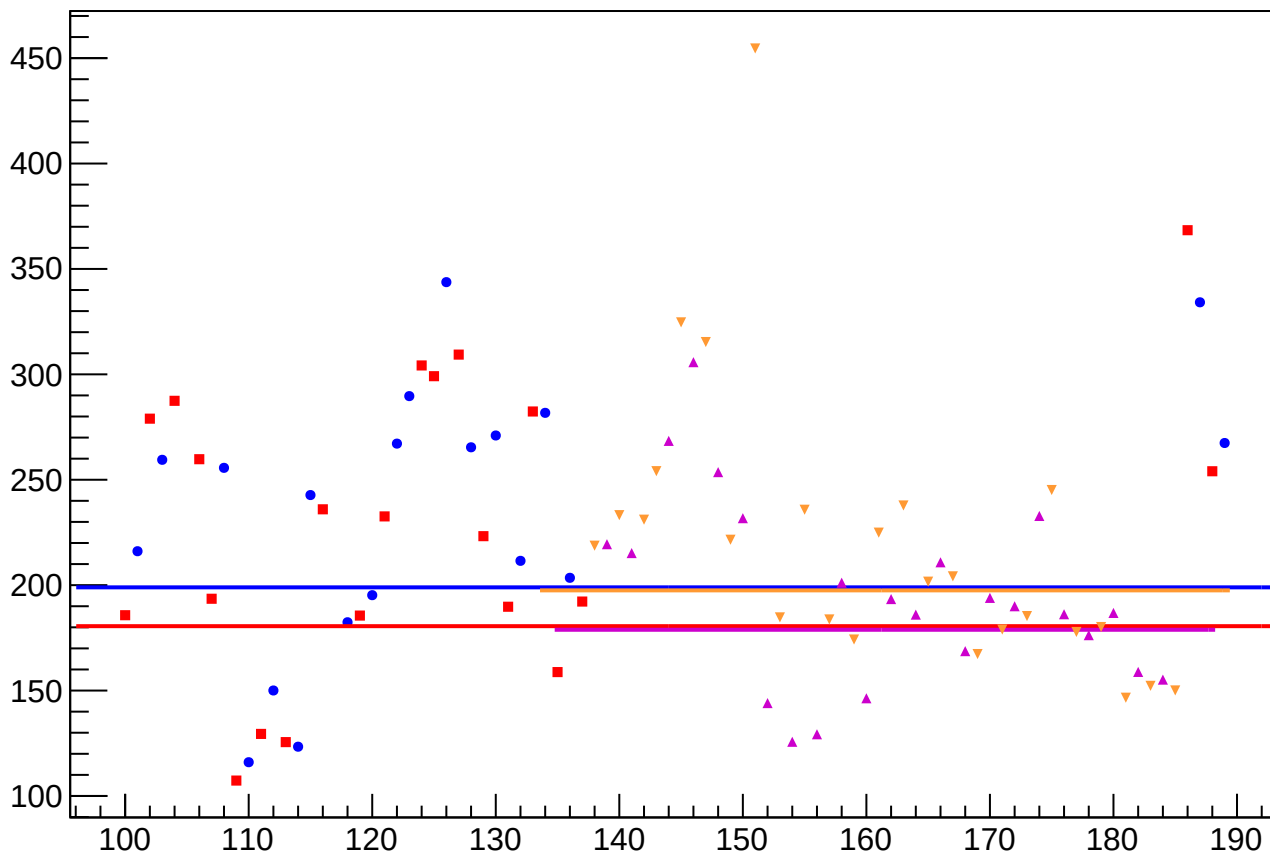
Right: 20.555+/-51.232 χ^2/NDF : 16.8/39

In: 29.884+/-38.859 χ^2/NDF : 16.2/41

Out: 13.608+/-38.988 χ^2/NDF : 13.8/45

All: 21.773+/-27.523 χ^2/NDF : 30.1/87

asym_bcm_an_us_rms vs Slug, Sign Corrected



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

Left: 187.585 $\pm$ 0.023 χ^2 /NDF: 3569877.1/47

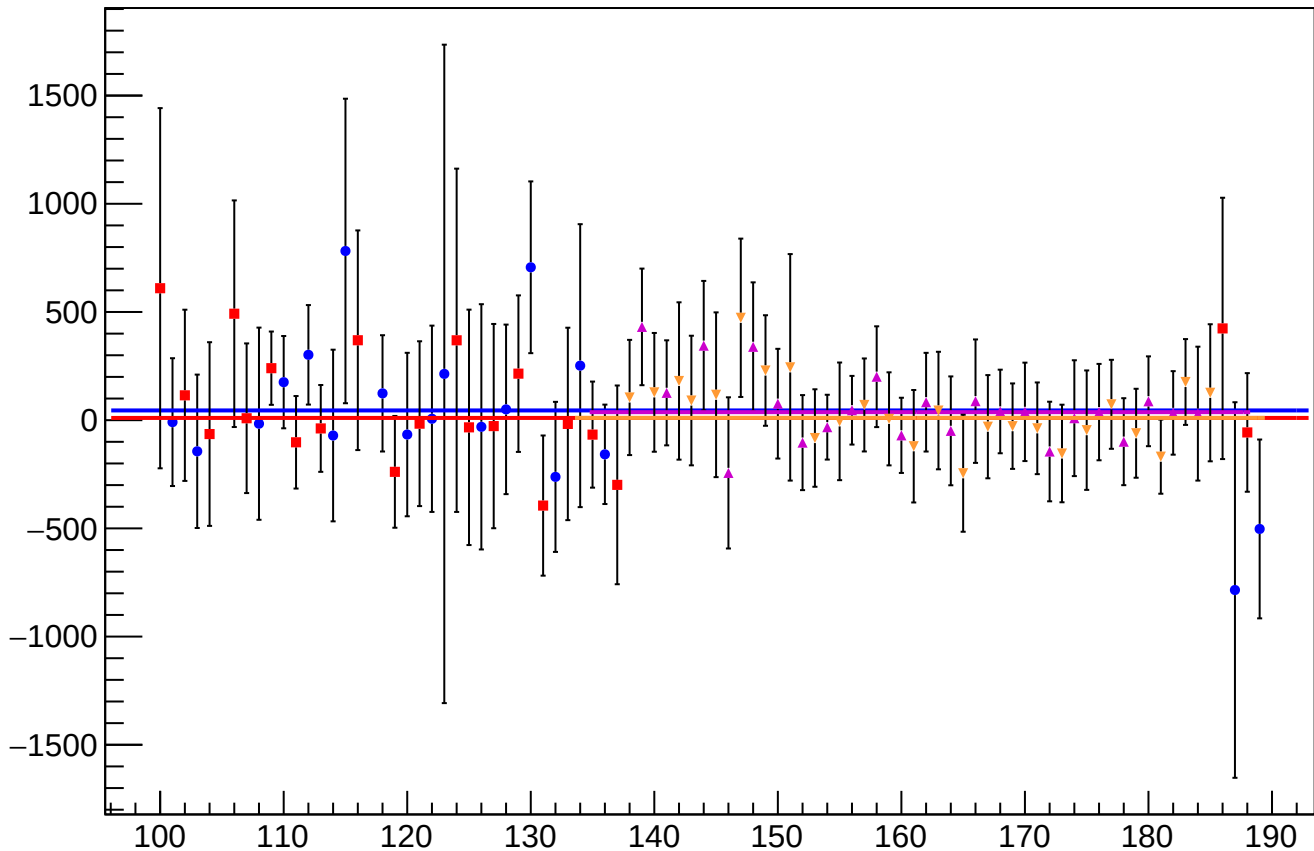
Right: 188.410 $\pm$ 0.036 χ^2 /NDF: 3069378.5/39

In: 183.781 $\pm$ 0.027 χ^2 /NDF:2819851.4/41

Out: 191.893 $\pm$ 0.028 χ^2 /NDF:3776334.0/45

All: 187.823 $\pm$ 0.019 χ^2 /NDF: 6639624.5/87

asym_bcm_dg_us_mean vs Slug, Sign Corrected



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

Left: 24.553 $\pm$ 33.739 χ^2 /NDF: 15.5/47

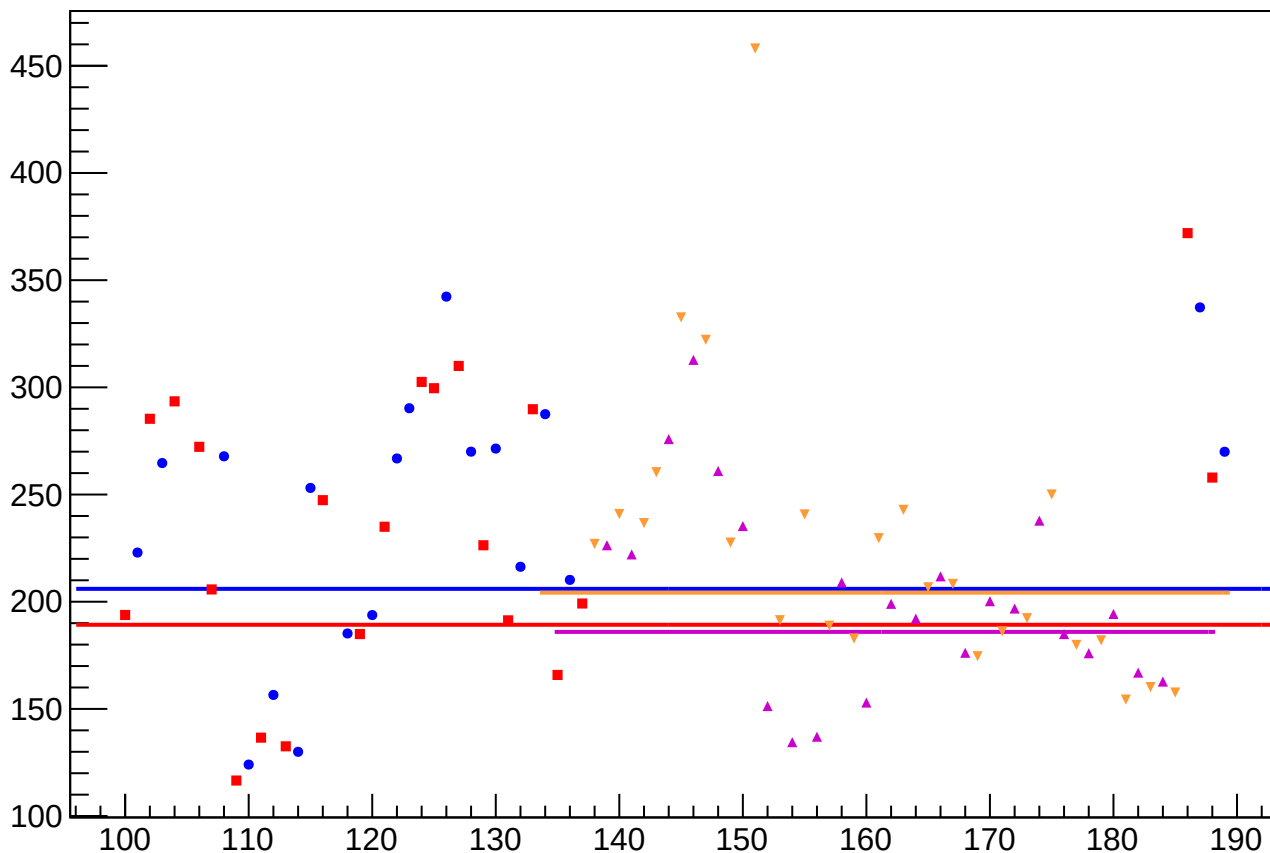
Right: 25.324 $\pm$ 53.063 χ^2 /NDF: 18.8/39

In: 38.991 $\pm$ 40.207 χ^2 /NDF: 18.4/41

Out: 10.477 $\pm$ 40.321 χ^2 /NDF: 15.7/45

All: 24.775 $\pm$ 28.471 χ^2 /NDF: 34.3/87

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 206.009 ± 0.057 $\chi^2/\text{NDF}: 981550.6/18$

Left Out: 204.236 ± 0.035 $\chi^2/\text{NDF}: 1675666.0/24$

Right Out: 189.255 ± 0.050 $\chi^2/\text{NDF}: 1703661.9/20$

Left In: 185.931 ± 0.033 $\chi^2/\text{NDF}: 1460065.0/22$

Left: 194.540 ± 0.024 $\chi^2/\text{NDF}: 3282383.3/47$

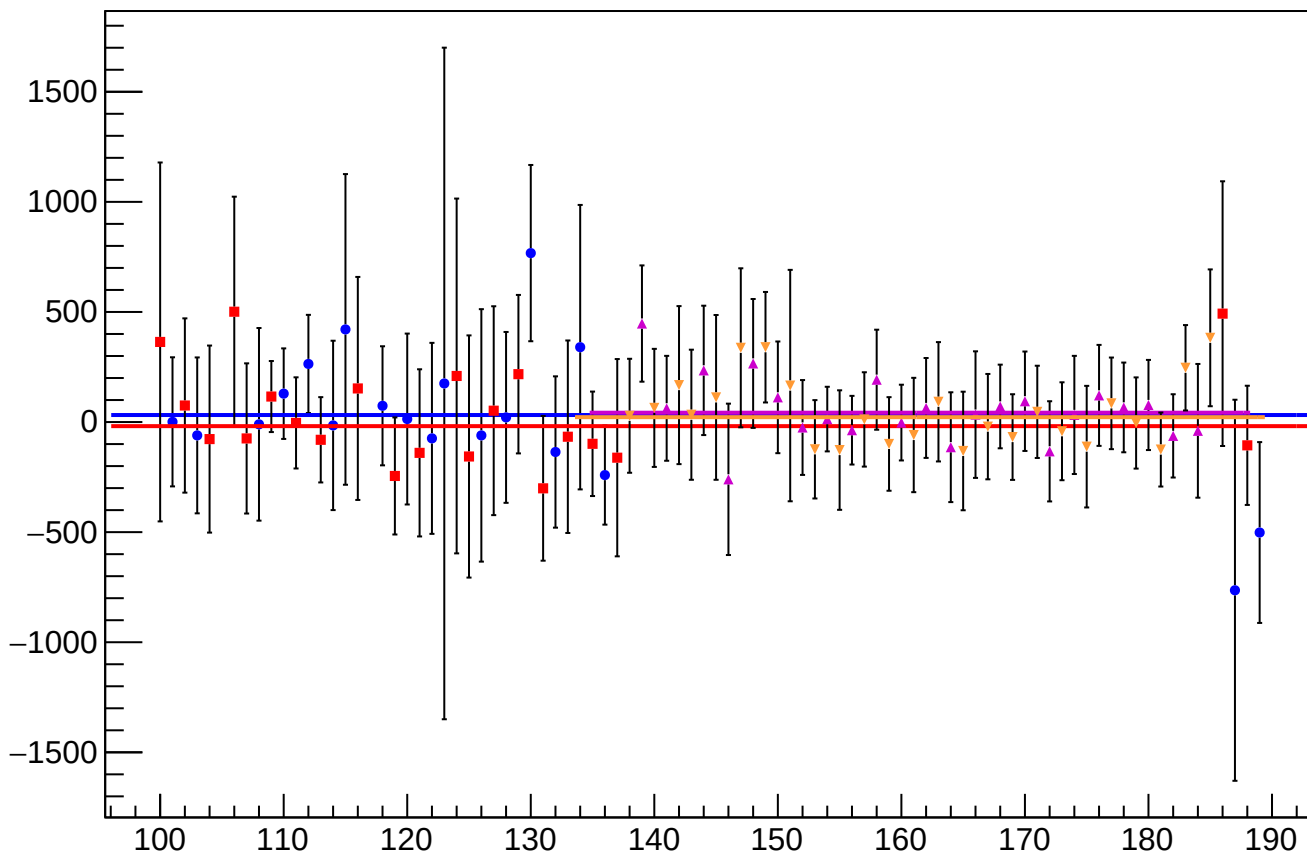
Right: 196.484 ± 0.038 $\chi^2/\text{NDF}: 2734123.9/39$

In: 190.906 ± 0.028 $\chi^2/\text{NDF}: 2534560.2/41$

Out: 199.318 ± 0.029 $\chi^2/\text{NDF}: 3440205.7/45$

All: 195.100 ± 0.020 $\chi^2/\text{NDF}: 6018419.0/87$

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 31.927 $\pm$ 79.749 χ^2 /NDF: 9.7/18

Left Out: 22.189 $\pm$ 48.738 χ^2 /NDF:8.4/24

Right Out: -18.586 $\pm$ 69.043 χ^2 /NDF: 5.4/20

Left In: 42.446 $\pm$ 45.861 χ^2 /NDF:6.7/22

Left: 32.933 $\pm$ 33.399 χ^2 /NDF: 15.2/47

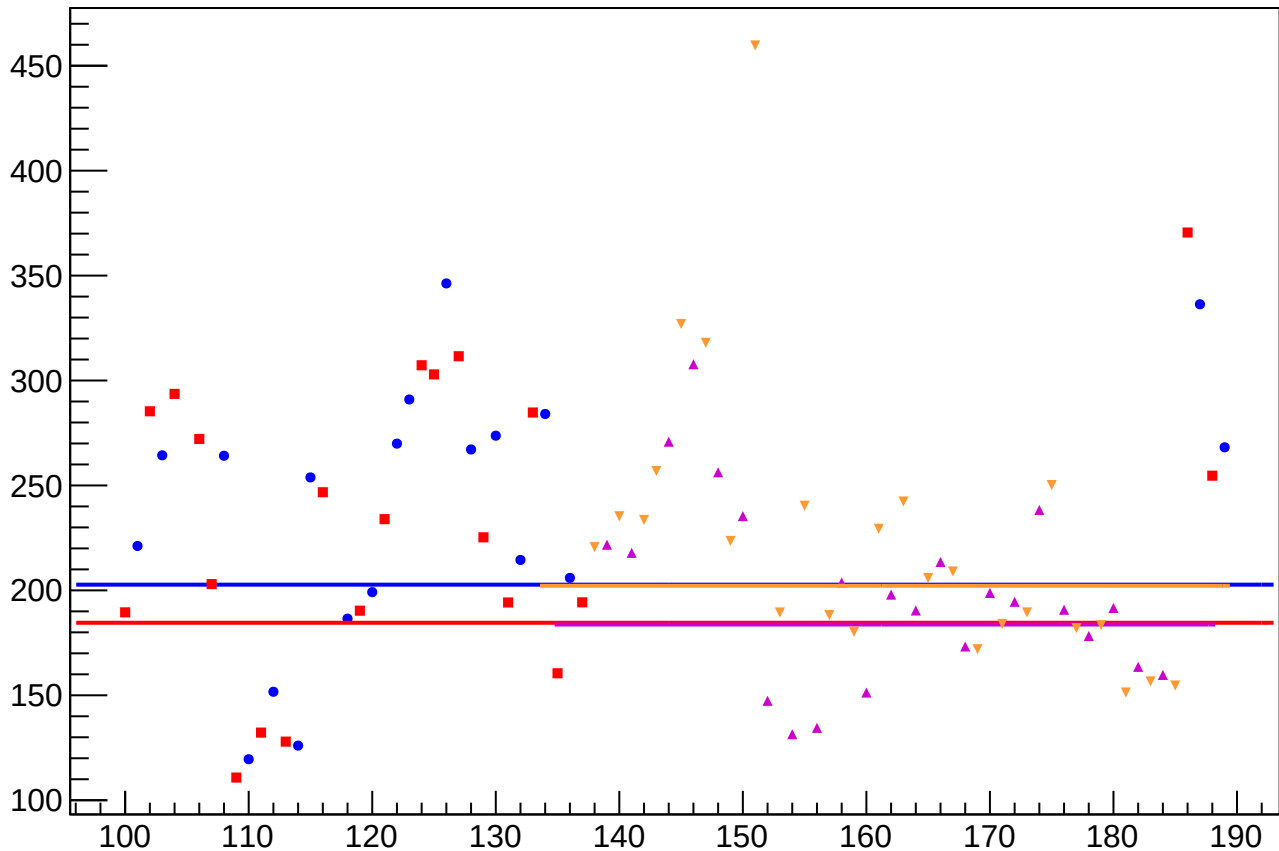
Right: 3.055 $\pm$ 52.199 χ^2 /NDF: 15.4/39

In: 39.832 $\pm$ 39.756 χ^2 /NDF:16.4/41

Out: 8.628 $\pm$ 39.817 χ^2 /NDF:14.0/45

All: 24.254 $\pm$ 28.133 χ^2 /NDF: 30.8/87

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 202.721 ± 0.056 $\chi^2/\text{NDF}: 1068562.9/18$

Left Out: 202.186 ± 0.034 $\chi^2/\text{NDF}: 1696571.9/24$

Right Out: 184.569 ± 0.049 $\chi^2/\text{NDF}: 1867365.3/20$

Left In: 183.732 ± 0.032 $\chi^2/\text{NDF}: 1495930.4/22$

Left: 192.398 ± 0.024 $\chi^2/\text{NDF}: 3344580.1/47$

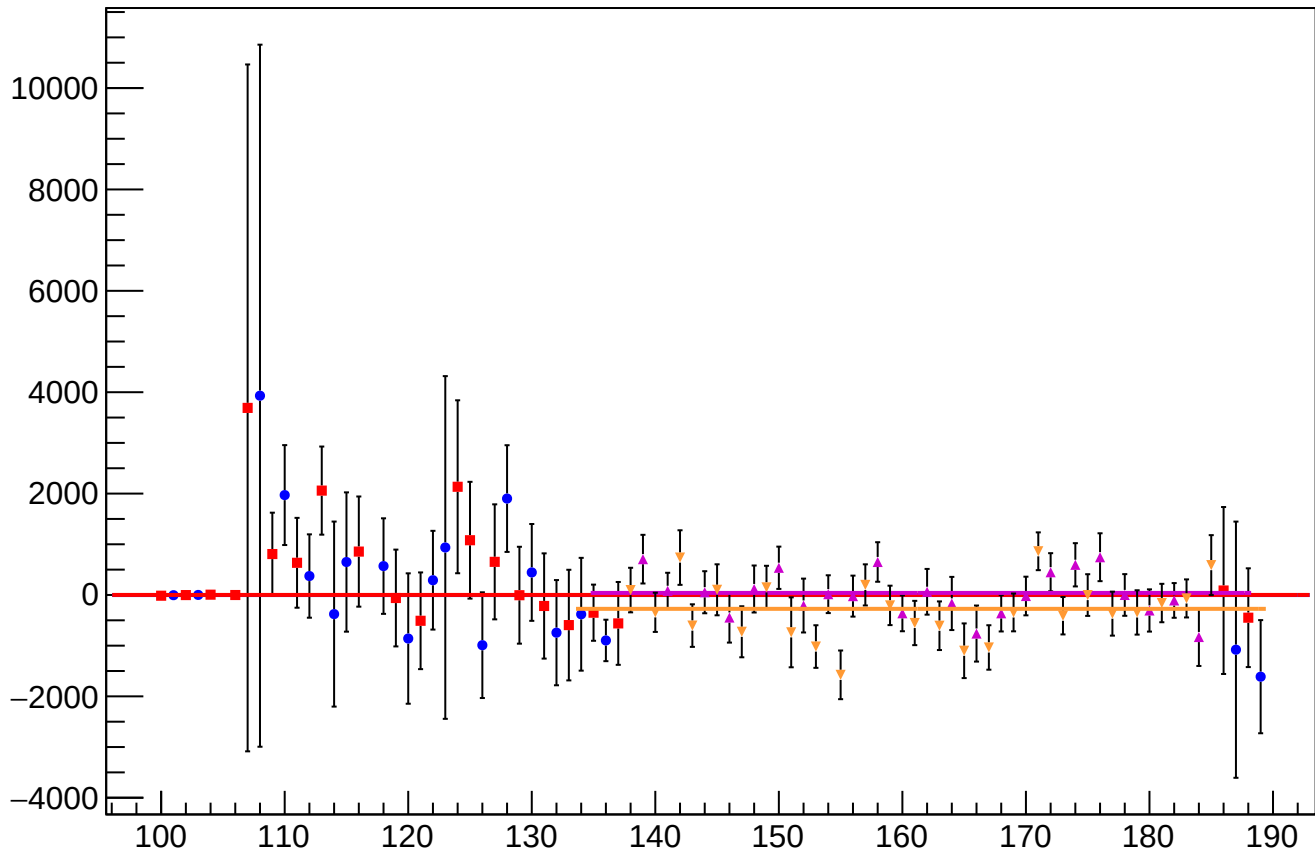
Right: 192.346 ± 0.037 $\chi^2/\text{NDF}: 2995153.0/39$

In: 188.451 ± 0.028 $\chi^2/\text{NDF}: 2649703.1/41$

Out: 196.327 ± 0.028 $\chi^2/\text{NDF}: 3650845.9/45$

All: 192.383 ± 0.020 $\chi^2/\text{NDF}: 6339734.5/87$

asym_cav4bQ_mean vs Slug, Sign Corrected



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

Left: -117.675 ± 61.637 χ^2/NDF : 65.0/47

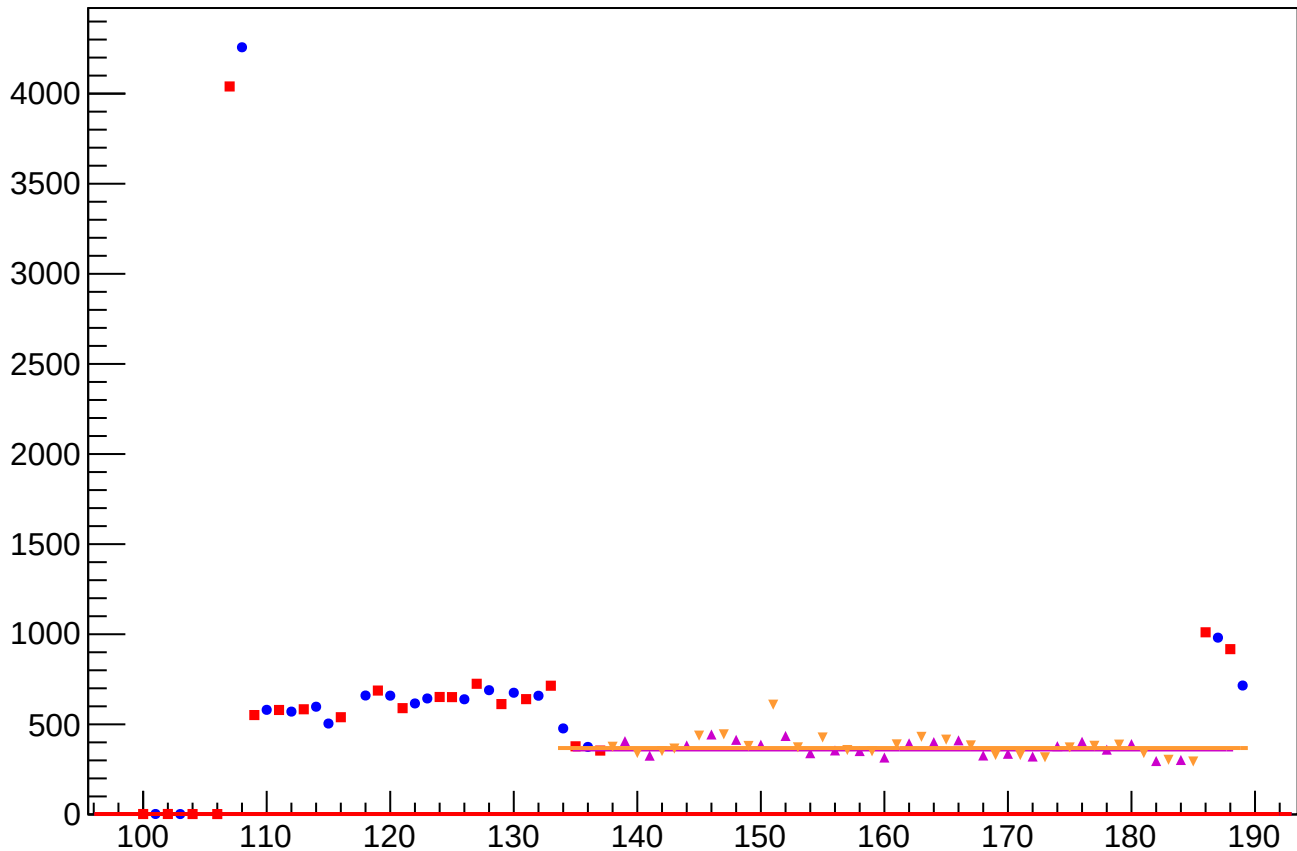
Right: -0.331 ± 1.540 χ^2/NDF : 38.1/39

In: -1.508 ± 2.251 χ^2/NDF : 39.6/41

Out: 0.567 ± 2.110 χ^2/NDF : 66.7/45

All: -0.404 ± 1.540 χ^2/NDF : 106.7/87

asym_cav4bQ_rms vs Slug, Sign Corrected



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

Left: 364.563 $\pm$ 0.044 χ^2 /NDF: 1053279.8/47

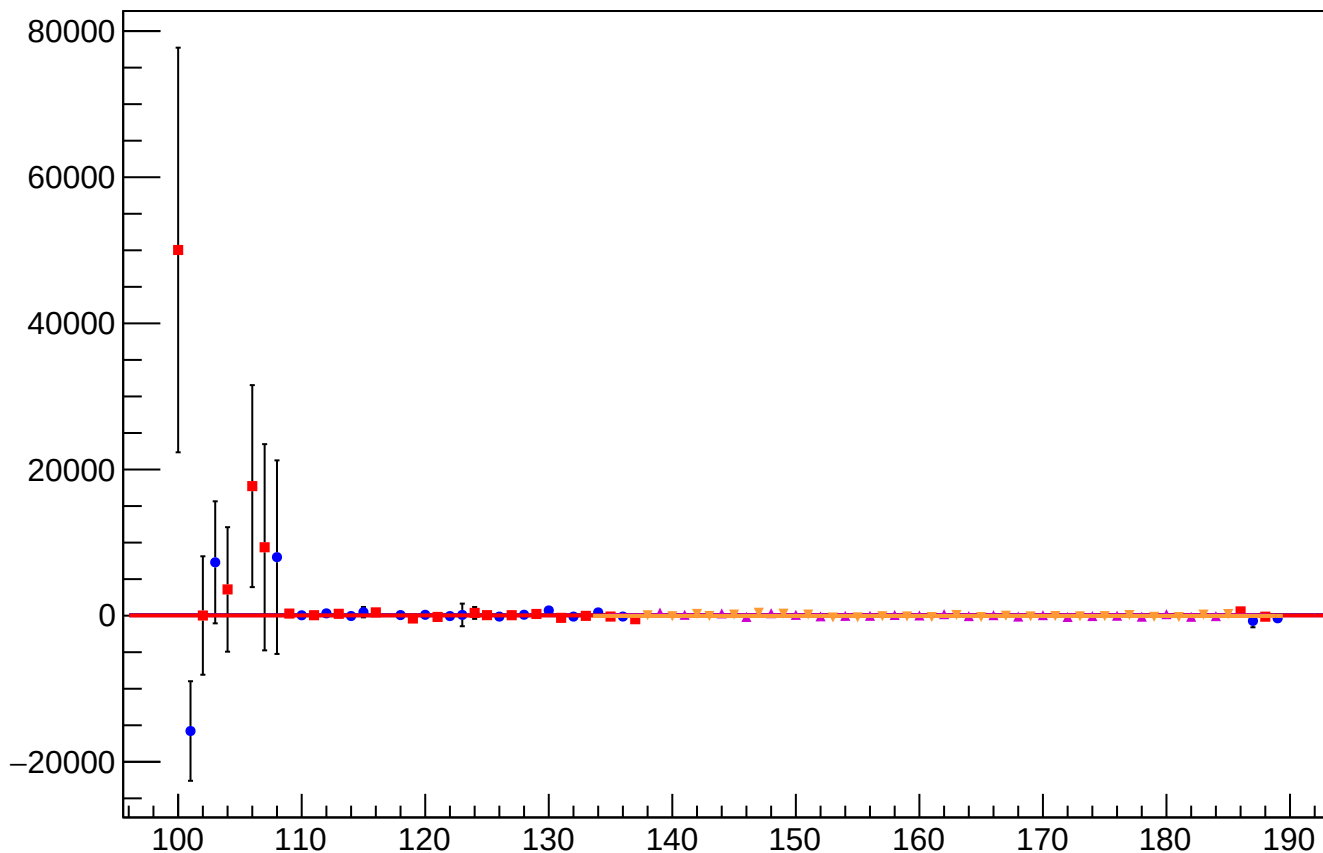
Right: 2.450 $\pm$ 0.001 χ^2 /NDF: 25390992.9/39

In: 2.697 $\pm$ 0.002 χ^2 /NDF: 45706599.0/41

Out: 2.659 $\pm$ 0.001 χ^2 /NDF: 49723429.1/45

All: 2.676 $\pm$ 0.001 χ^2 /NDF: 95430333.8/87

asym_cav4cQ_mean vs Slug, Sign Corrected



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

Left: -4.426+/-34.497 χ^2/NDF : 19.7/47

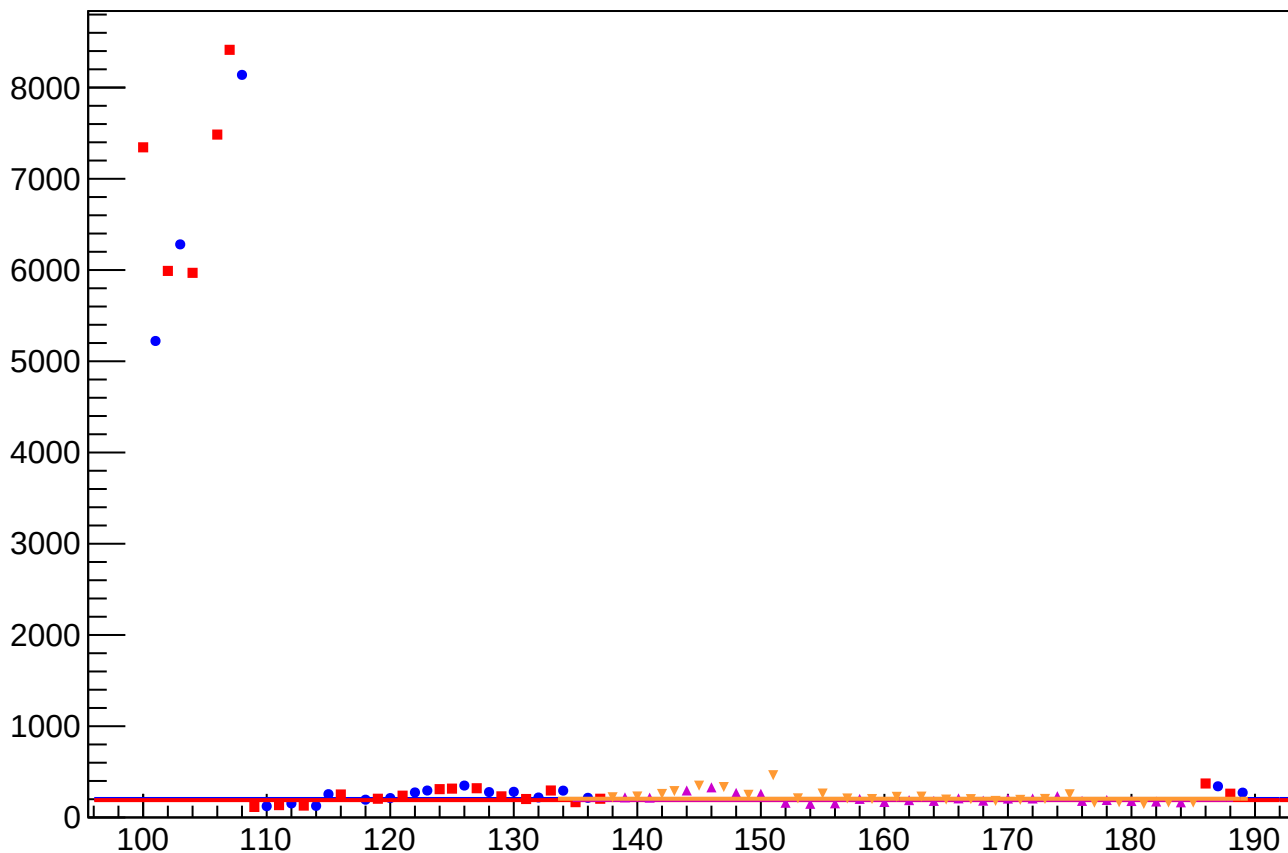
Right: 49.411+/-59.686 χ^2/NDF : 29.4/39

In: 37.429+/-42.311 χ^2/NDF : 23.7/41

Out: -19.125+/-42.166 χ^2/NDF : 25.1/45

All: 9.055+/-29.867 χ^2/NDF : 49.7/87

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 202.564+/-0.063 χ^2/NDF : 3810922.1/18

Left Out: 205.114+/-0.035 χ^2/NDF : 1957484.4/24

Right Out: 189.935+/-0.057 χ^2/NDF : 4656608.9/20

Left In: 193.616+/-0.034 χ^2/NDF : 1179471.1/22

Left: 199.183+/-0.024 χ^2/NDF : 3192443.5/47

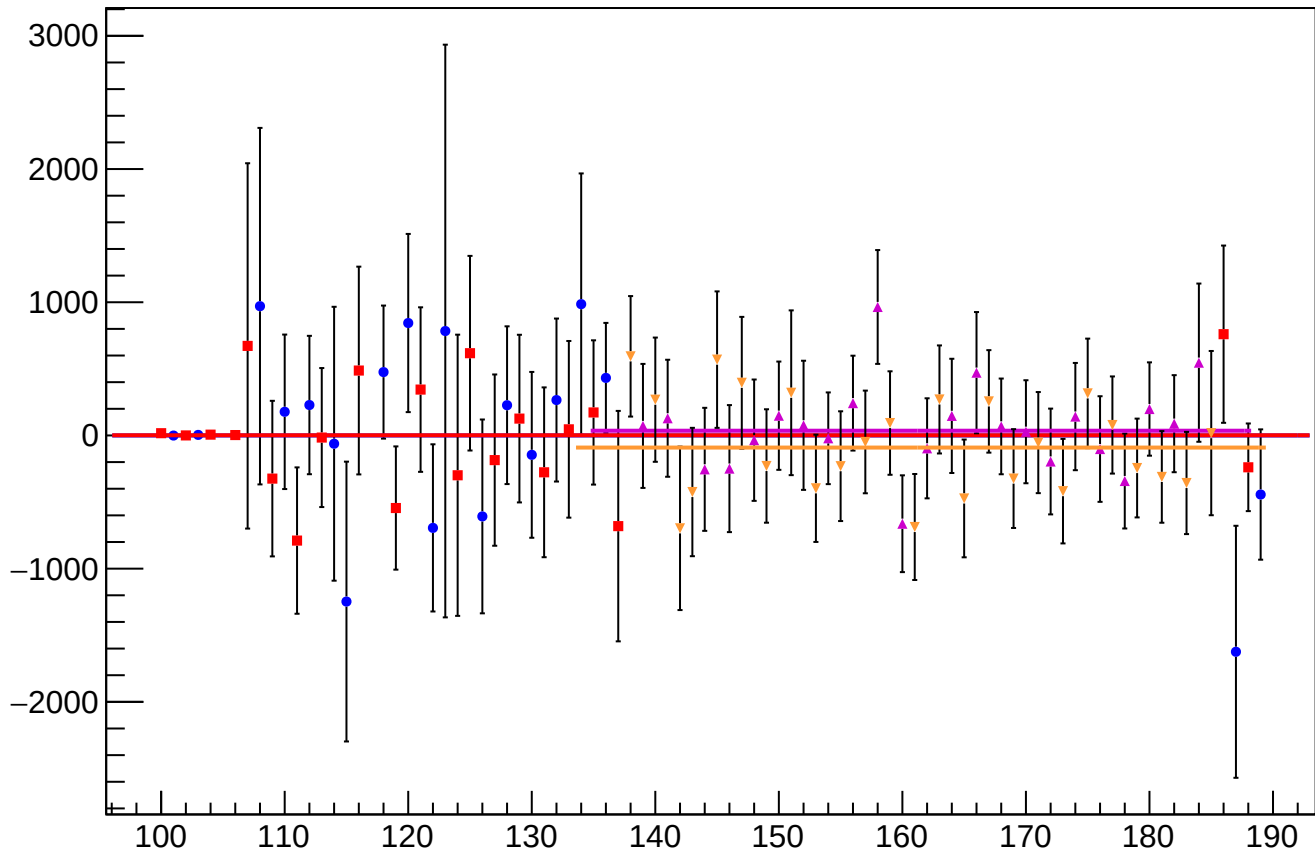
Right: 195.565+/-0.042 χ^2/NDF : 8489652.6/39

In: 195.621+/-0.030 χ^2/NDF : 5005942.0/41

Out: 200.915+/-0.030 χ^2/NDF : 6665950.2/45

All: 198.277+/-0.021 χ^2/NDF : 11687605.5/87

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.152 ± 1.737 $\chi^2/\text{NDF}: 13.9/18$

Left Out: -90.945 ± 84.079 $\chi^2/\text{NDF}: 16.4/24$

Right Out: 1.321 ± 1.623 $\chi^2/\text{NDF}: 11.1/20$

Left In: 35.488 ± 84.382 $\chi^2/\text{NDF}: 13.4/22$

Left: -27.956 ± 59.560 $\chi^2/\text{NDF}: 31.0/47$

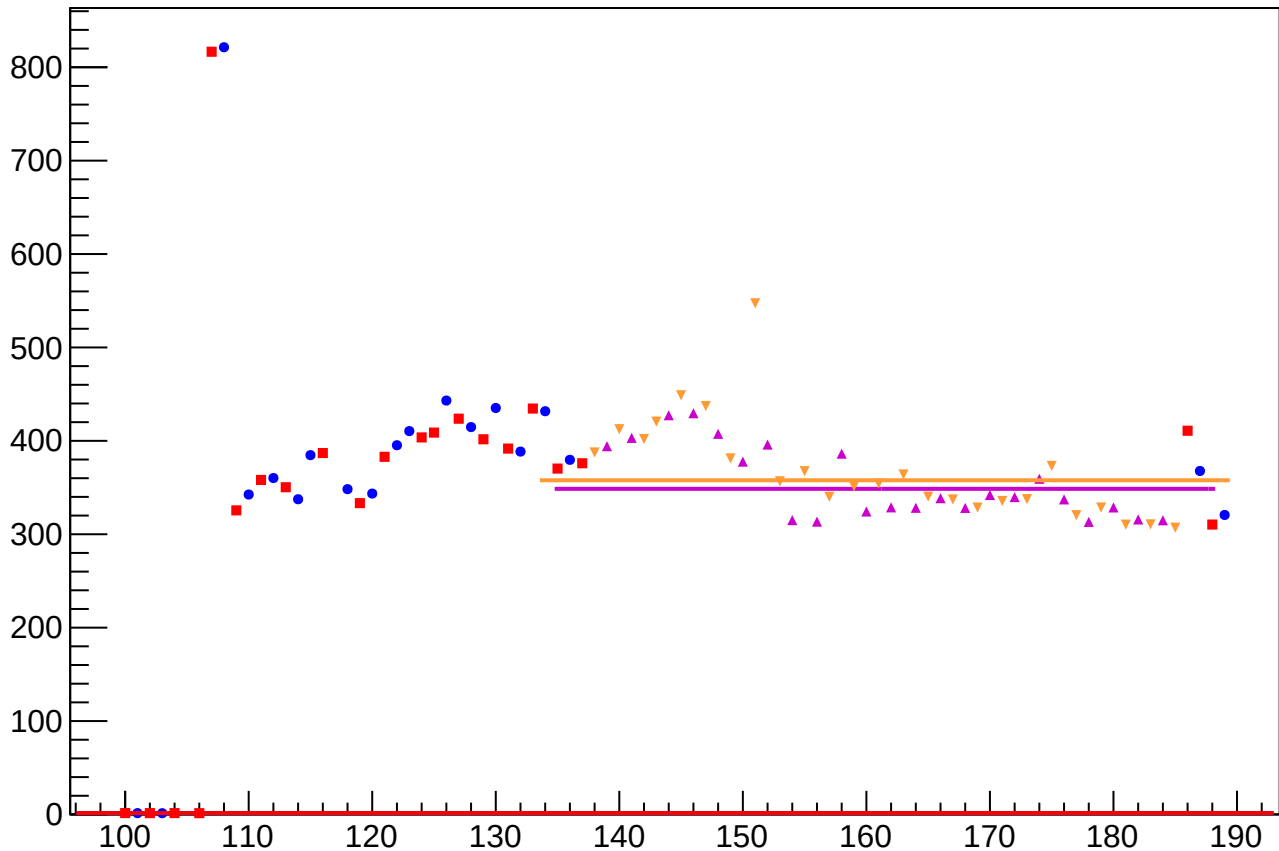
Right: 0.635 ± 1.186 $\chi^2/\text{NDF}: 25.4/39$

In: -0.137 ± 1.736 $\chi^2/\text{NDF}: 27.5/41$

Out: 1.287 ± 1.622 $\chi^2/\text{NDF}: 28.7/45$

All: 0.623 ± 1.185 $\chi^2/\text{NDF}: 56.6/87$

asym_cav4dQ_rms vs Slug, Sign Corrected



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

Left: 353.224+/-0.042 χ^2/NDF : 921460.0/47

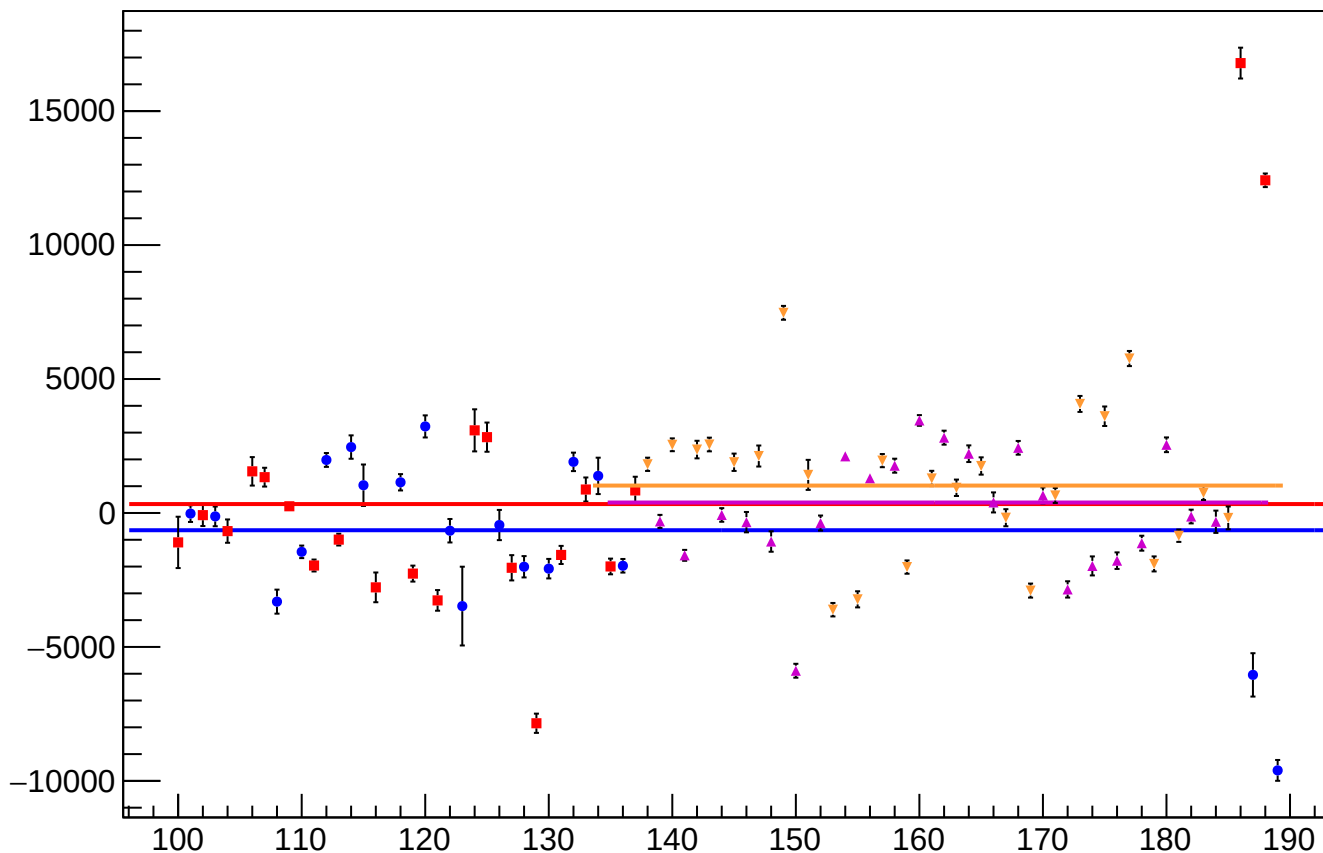
Right: 1.459+/-0.001 χ^2/NDF : 25275381.2/39

In: 1.604+/-0.001 χ^2/NDF : 46122247.3/41

Out: 1.594+/-0.001 χ^2/NDF : 49810888.9/45

All: 1.598+/-0.001 χ^2/NDF : 95933176.8/87

asym_bcm0l02_mean vs Slug, Sign Corrected



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

Left: 693.270+/-39.666 χ^2/NDF : 3957.9/47

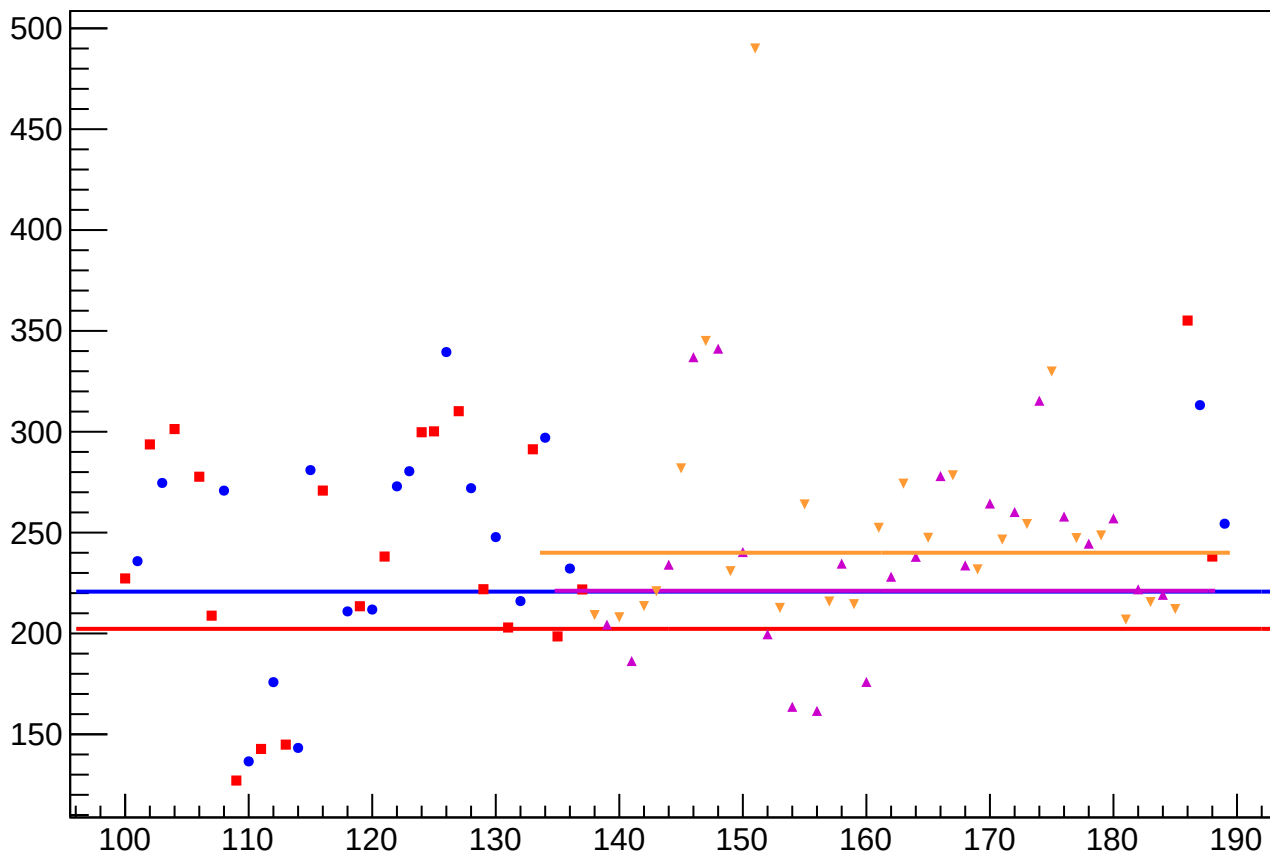
Right: -86.783+/-56.139 χ^2/NDF : 5221.5/39

In: 88.813+/-46.237 χ^2/NDF : 2720.5/41

Out: 765.885+/-45.402 χ^2/NDF : 6478.5/45

All: 433.519+/-32.395 χ^2/NDF : 9308.1/87

asym_bcm0l02_rms vs Slug, Sign Corrected



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

Left: 230.192 $\pm$ 0.028 χ^2 /NDF: 2457612.6/47

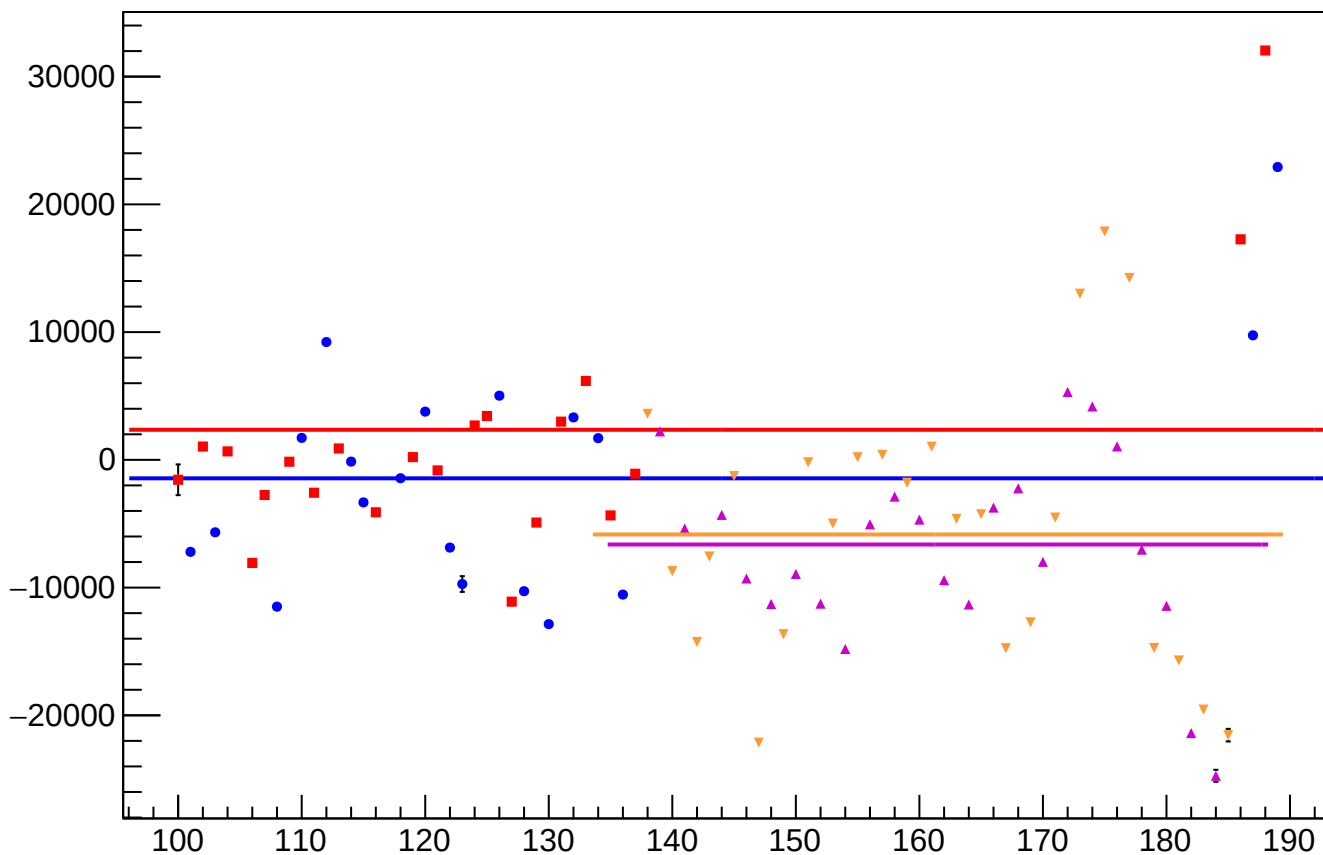
Right: 210.211 $\pm$ 0.040 χ^2 /NDF: 2140996.1/39

In: 221.045 $\pm$ 0.033 χ^2 /NDF:2047741.1/41

Out: 225.943 $\pm$ 0.032 χ^2 /NDF:2708431.2/45

All: 223.539 $\pm$ 0.023 χ^2 /NDF: 4767595.9/87

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -1446.436 $\pm$ 47.042 χ^2 /NDF: 36027.2/18

Left Out: -5841.615 $\pm$ 35.848 χ^2 /NDF: 63397.3/24

Right Out: 2354.989 $\pm$ 43.256 χ^2 /NDF: 62642.2/20

Left In: -6628.388 $\pm$ 37.160 χ^2 /NDF: 21738.0/22

Left: -6220.862 $\pm$ 25.800 χ^2 /NDF: 85367.5/47

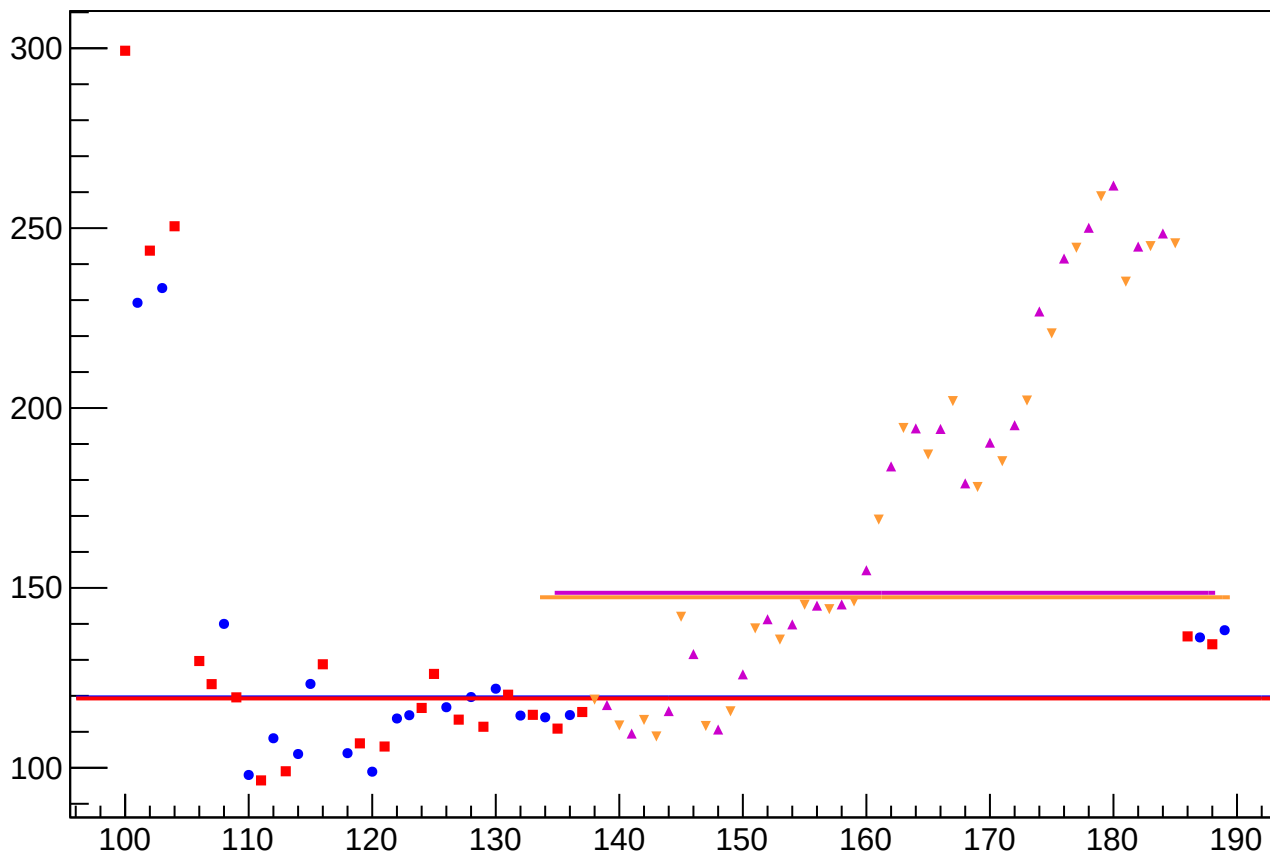
Right: 613.347 $\pm$ 31.841 χ^2 /NDF: 102207.7/39

In: -4637.280 $\pm$ 29.160 χ^2 /NDF: 65237.1/41

Out: -2504.327 $\pm$ 27.601 χ^2 /NDF: 147326.1/45

All: -3512.290 $\pm$ 20.045 χ^2 /NDF: 215385.2/8

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 119.577+/-0.033 χ^2/NDF : 658356.7/18

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 119.279+/-0.031 χ^2/NDF : 729161.9/20

Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

Left: 147.997+/-0.018 χ^2/NDF : 4933793.6/47

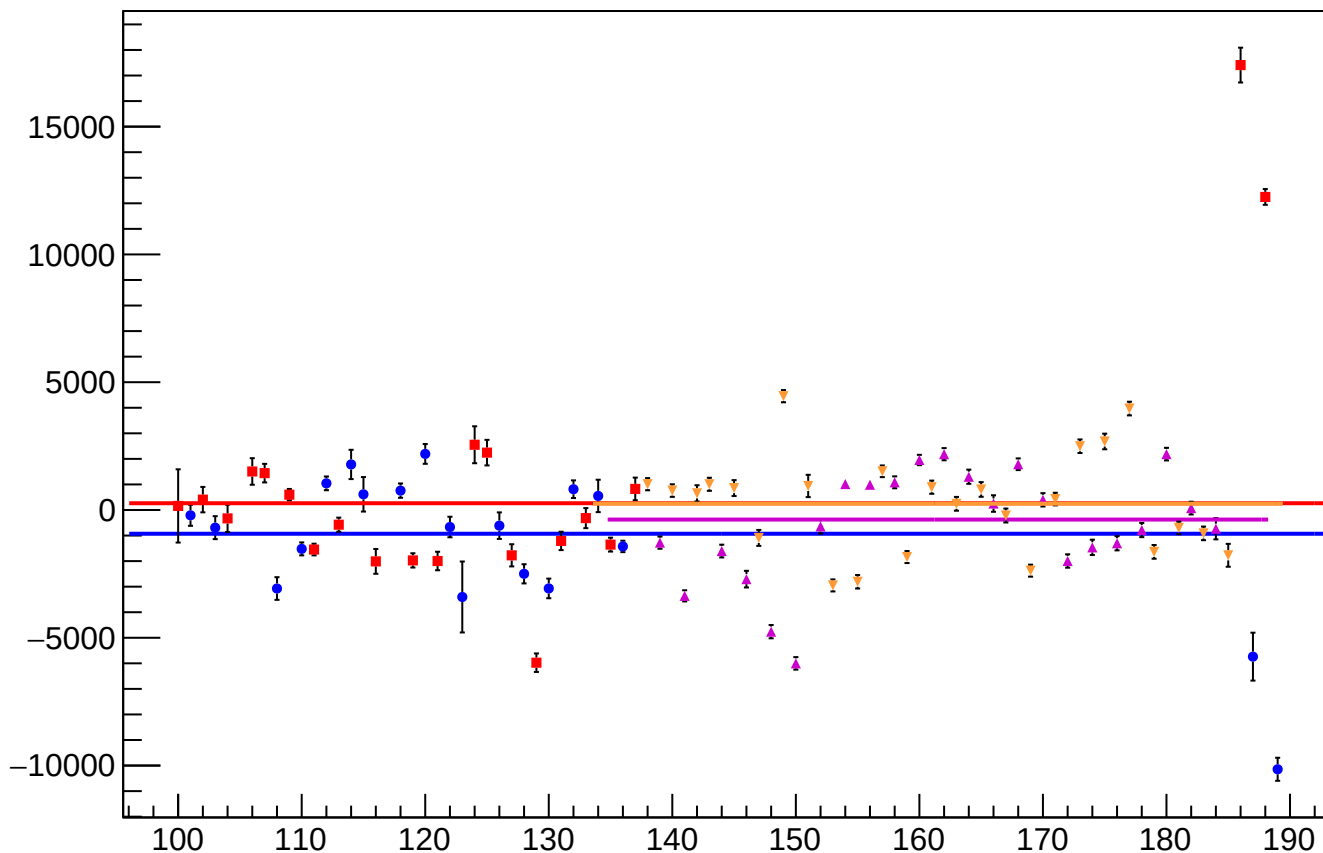
Right: 119.416+/-0.023 χ^2/NDF : 1387561.8/39

In: 137.474+/-0.021 χ^2/NDF : 3544035.1/41

Out: 135.948+/-0.020 χ^2/NDF : 3747216.5/45

All: 136.669+/-0.014 χ^2/NDF : 7294139.5/87

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -929.490 ± 87.314 $\chi^2/\text{NDF}: 747.7/18$

Left Out: 246.120 ± 53.492 $\chi^2/\text{NDF}: 1354.8/24$

Right Out: 264.752 ± 78.948 $\chi^2/\text{NDF}: 2760.8/20$

Left In: -374.465 ± 51.892 $\chi^2/\text{NDF}: 1798.3/22$

Left: -73.589 ± 37.246 $\chi^2/\text{NDF}: 3222.4/47$

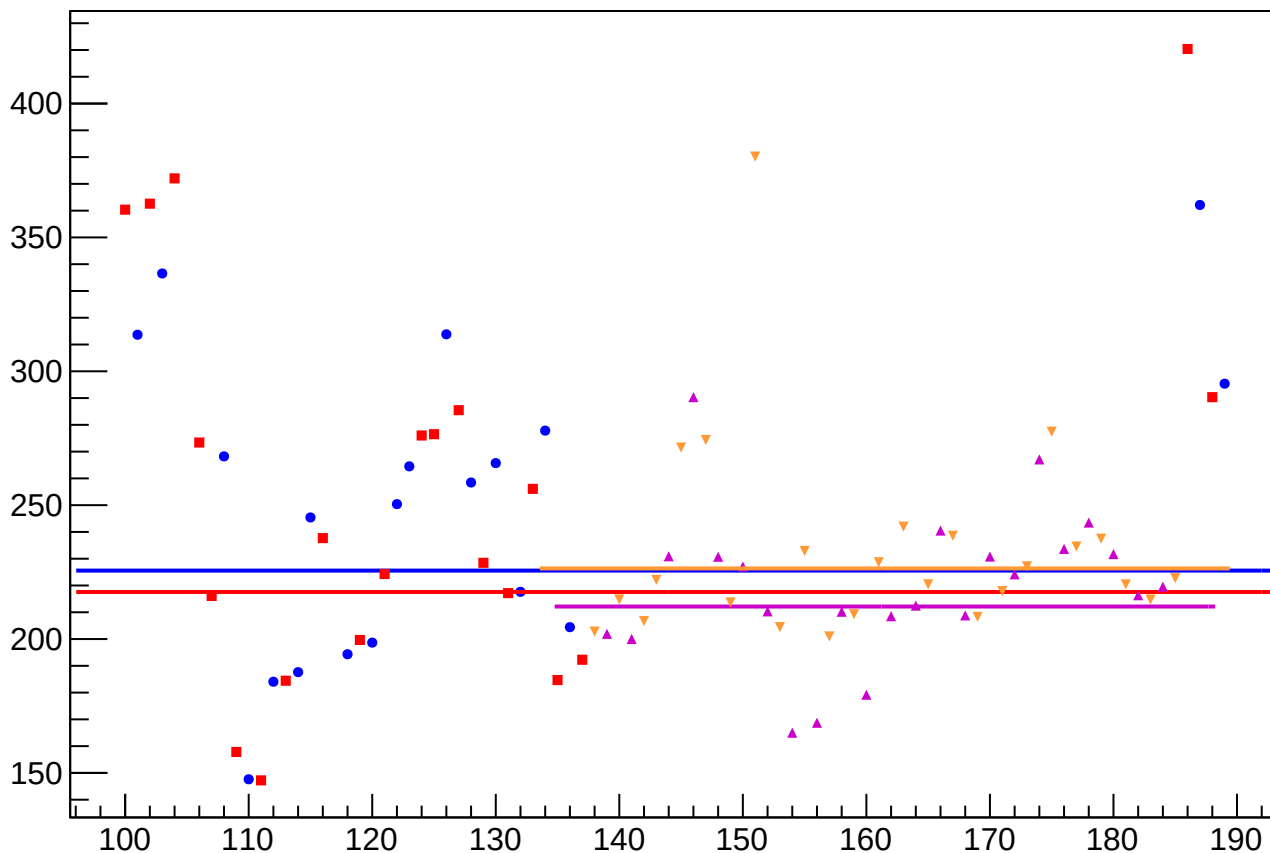
Right: -272.426 ± 58.560 $\chi^2/\text{NDF}: 3611.4/39$

In: -519.336 ± 44.609 $\chi^2/\text{NDF}: 2575.8/41$

Out: 251.982 ± 44.284 $\chi^2/\text{NDF}: 4115.6/45$

All: -130.859 ± 31.428 $\chi^2/\text{NDF}: 6842.0/87$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 225.565 $\pm$ 0.062 χ^2/NDF : 740136.5/18

Left Out: 226.376 $\pm$ 0.038 χ^2/NDF : 521770.1/24

Right Out: 217.581 $\pm$ 0.056 χ^2/NDF : 1187370.1/20

Left In: 212.145 $\pm$ 0.037 χ^2/NDF : 591698.6/22

Left: 219.044 $\pm$ 0.026 χ^2/NDF : 1186390.8/47

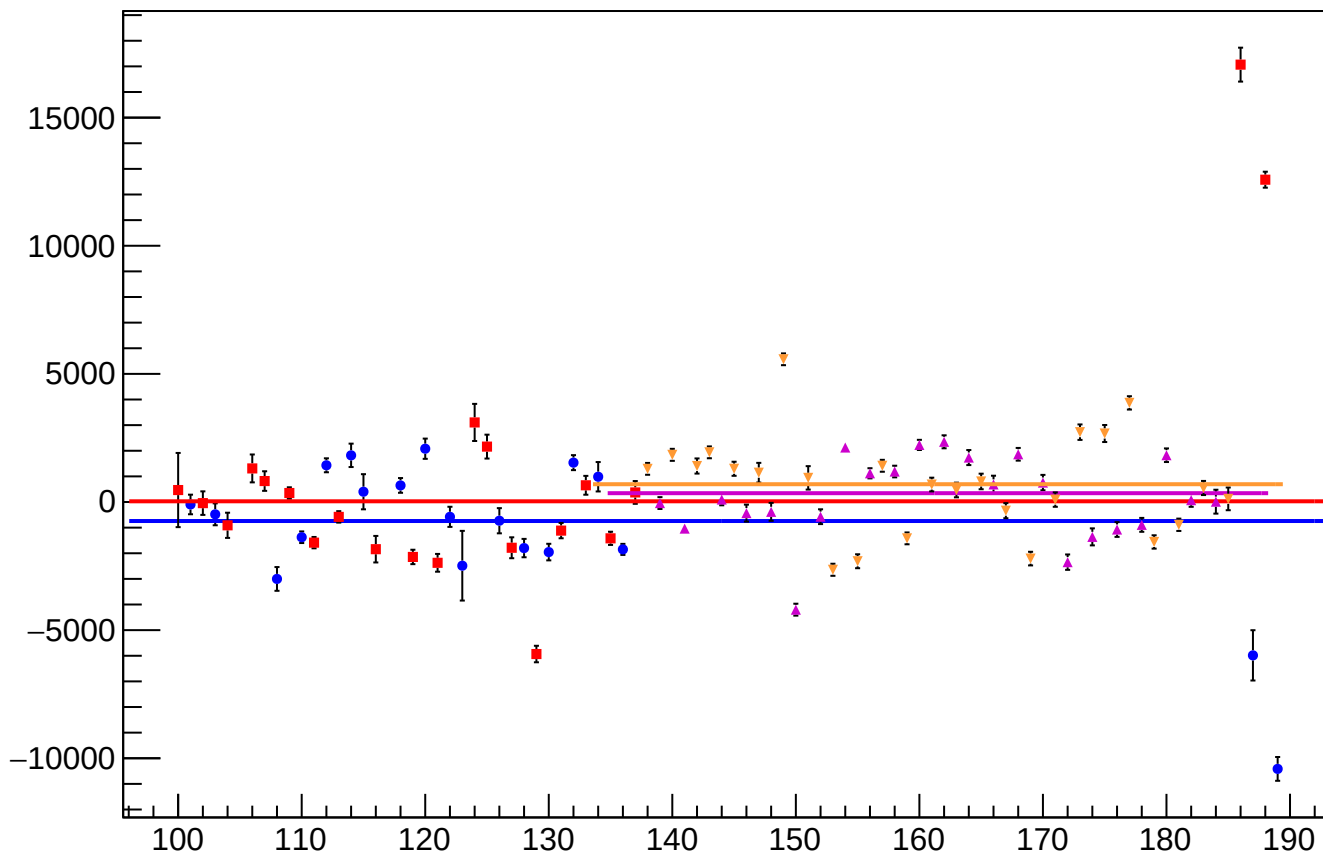
Right: 221.172 $\pm$ 0.041 χ^2/NDF : 1936708.5/39

In: 215.648 $\pm$ 0.032 χ^2/NDF : 1366750.4/41

Out: 223.608 $\pm$ 0.031 χ^2/NDF : 1726151.5/45

All: 219.657 $\pm$ 0.022 χ^2/NDF : 3124979.4/87

asym_bpm0l01WS_mean vs Slug, Sign Corrected



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

Left: 515.236+/-37.893 χ^2/NDF : 2428.4/47

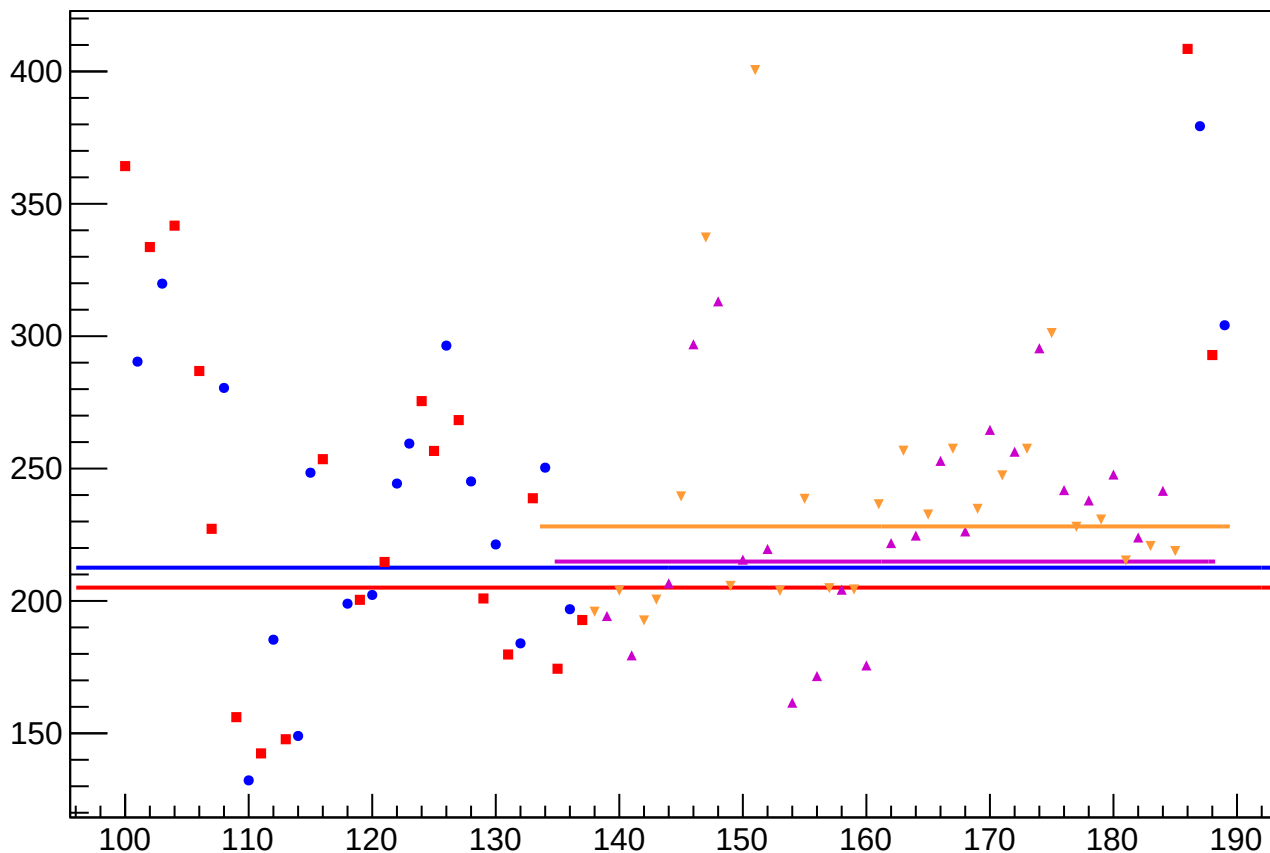
Right: -318.366+/-55.549 χ^2/NDF : 3769.0/39

In: 29.308+/-44.612 χ^2/NDF : 1897.6/41

Out: 465.062+/-43.935 χ^2/NDF : 4405.0/45

All: 250.517+/-31.303 χ^2/NDF : 6351.1/87

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.569 $\pm$ 0.059 χ^2/NDF : 839380.2/18

Left Out: 228.144 $\pm$ 0.038 χ^2/NDF :828399.3/24

Right Out: 205.042 $\pm$ 0.053 χ^2/NDF : 129528.0/20

Left In: 214.878 $\pm$ 0.037 χ^2/NDF :1037509.6/22

Left: 221.351 $\pm$ 0.027 χ^2/NDF : 1927151.4/47

Right: 208.429 $\pm$ 0.039 χ^2/NDF : 2143996.4/39

In: 214.208 $\pm$ 0.032 χ^2/NDF :1877994.0/41

Out: 220.196 $\pm$ 0.031 χ^2/NDF :2248722.2/45

All: 217.248 $\pm$ 0.022 χ^2/NDF : 4145006.9/87

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

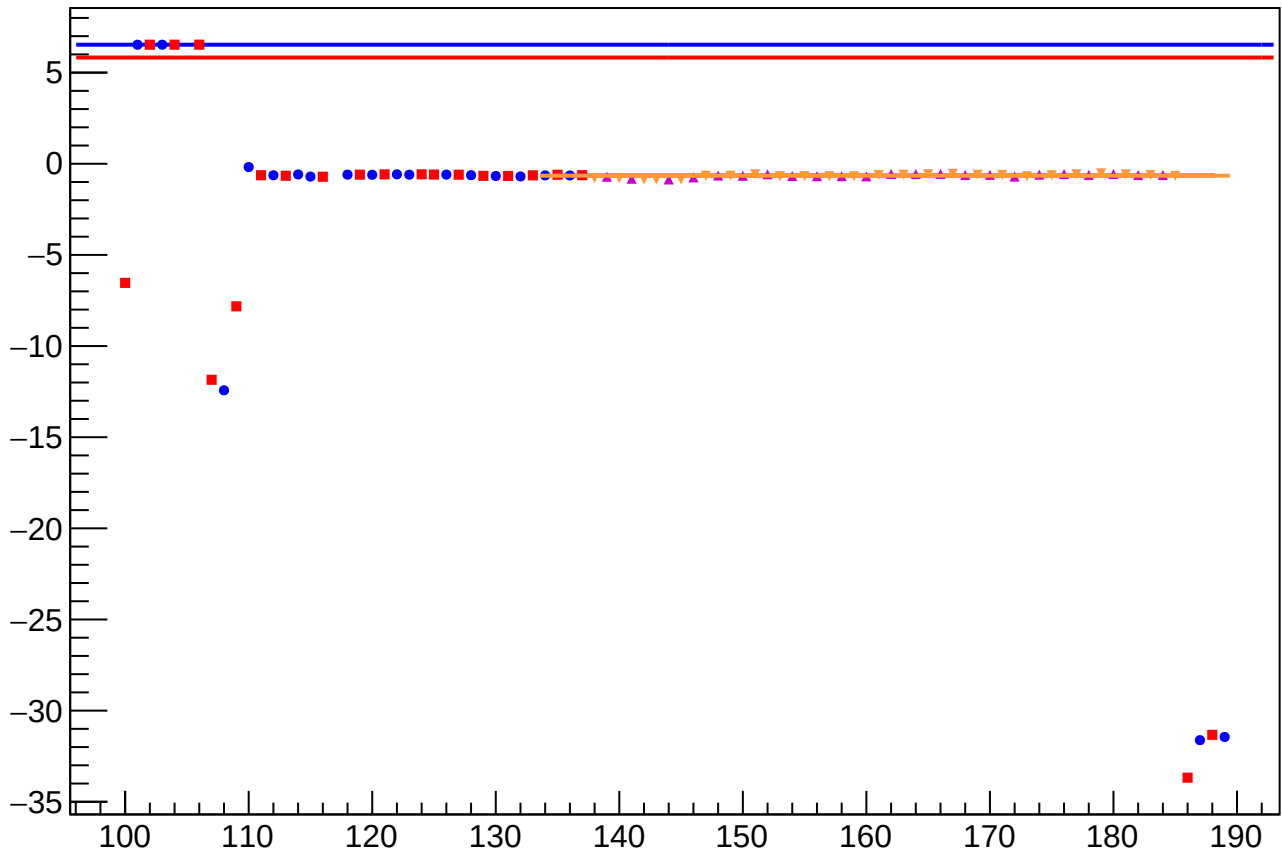
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127660933106.7/18

Left Out: -0.654+/-0.000 χ^2/NDF : 179069954.8/24

Right Out: 5.827+/-0.000 χ^2/NDF : 755962031232803.0/20

Left In: -0.643+/-0.000 χ^2/NDF : 123743747.1/22

Left: -0.649+/-0.000 χ^2/NDF : 303800919.5/47

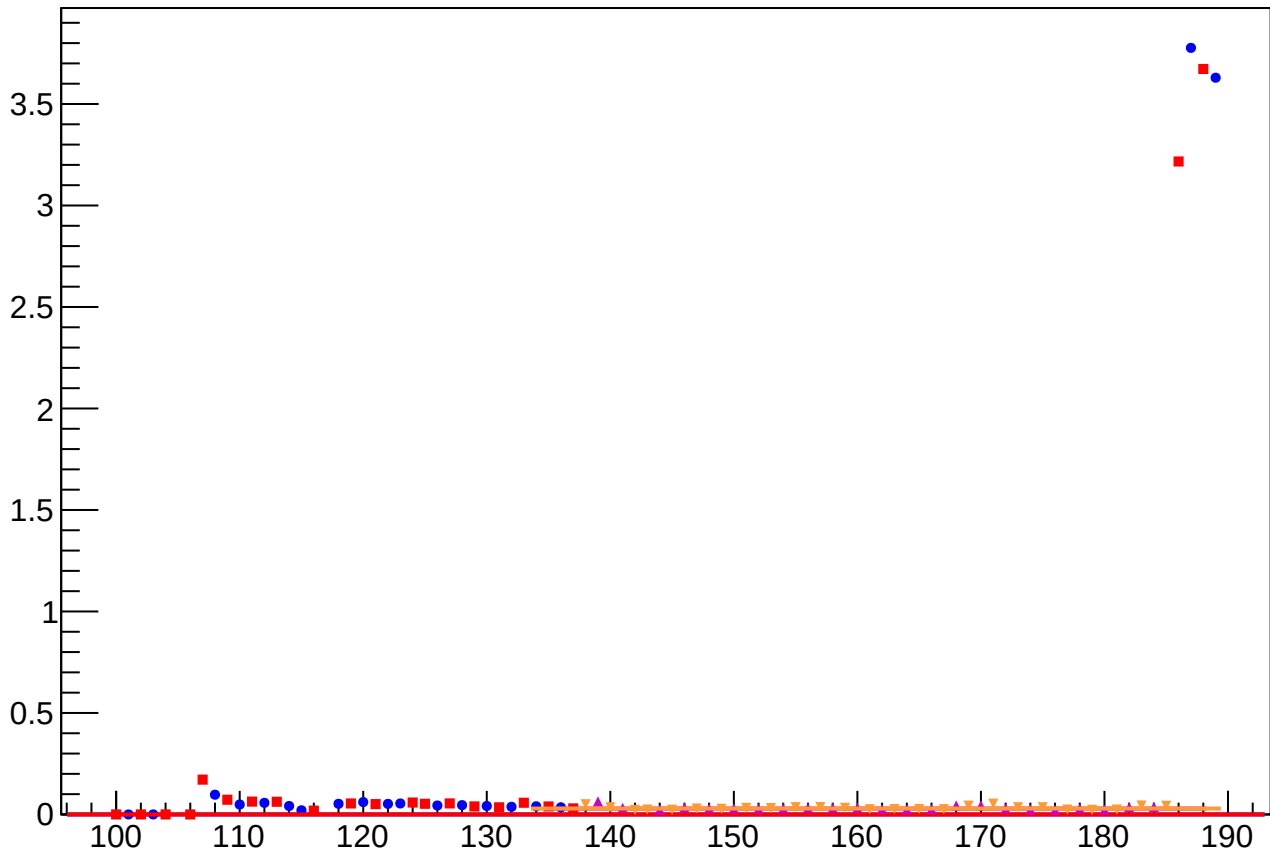
Right: 6.155+/-0.000 χ^2/NDF : 776093656242486.9/47

In: 6.530+/-0.000 χ^2/NDF : 961779539590.2/41

Out: 5.826+/-0.000 χ^2/NDF : 756673048141796.6/41

All: 6.153+/-0.000 χ^2/NDF : 77762708816173.0/88

yield_cav4bX_rms vs Slug, Sign Corrected



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

Left: 0.029+/-0.000 χ^2/NDF : 2691219.2/47

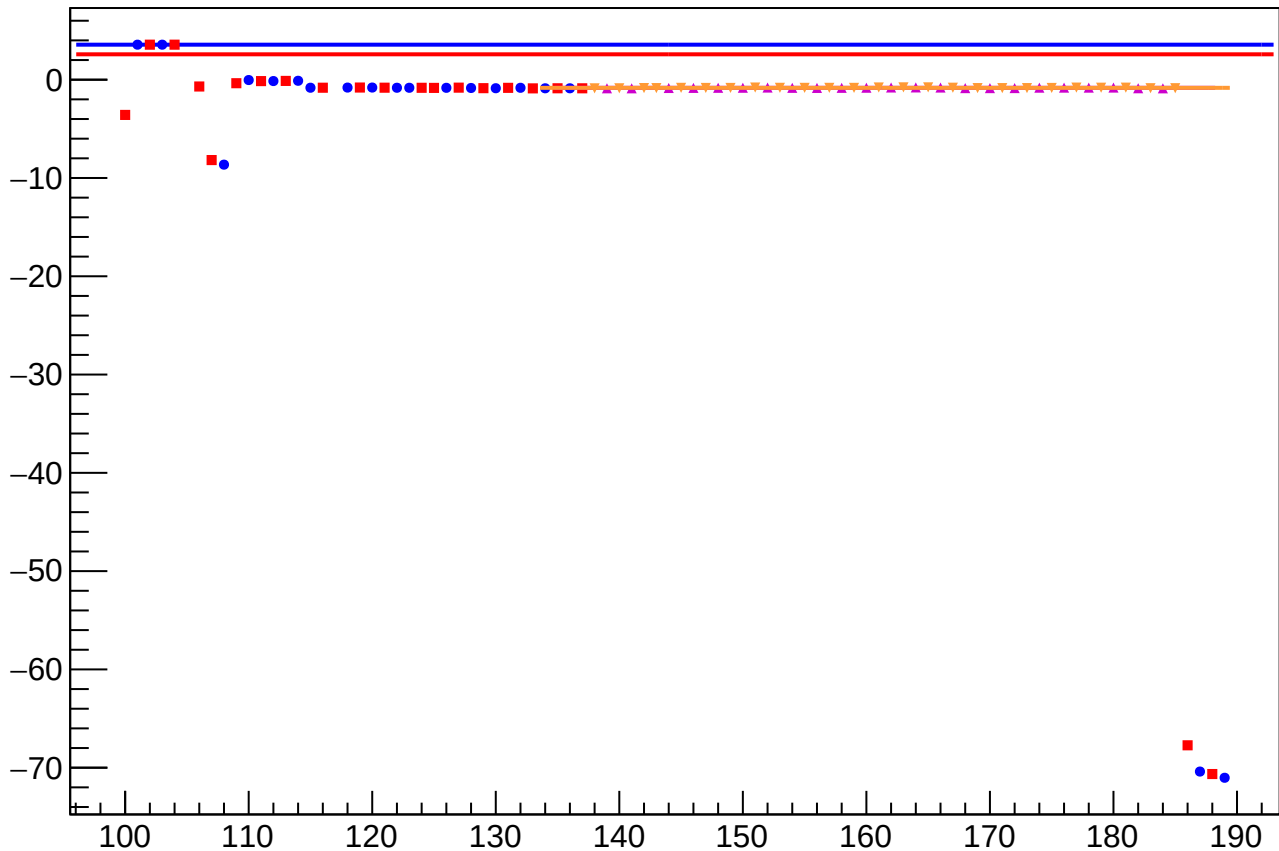
Right: 0.000+/-0.000 χ^2/NDF : 21684116.7/39

In: 0.000+/-0.000 χ^2/NDF :38125399.3/41

Out: 0.000+/-0.000 χ^2/NDF :41704349.4/45

All: 0.000+/-0.000 χ^2/NDF : 79830174.4/87

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 480884326821.9/18

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502998158802.0/20

Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

Left: -0.827+/-0.000 χ^2/NDF : 344237775.5/47

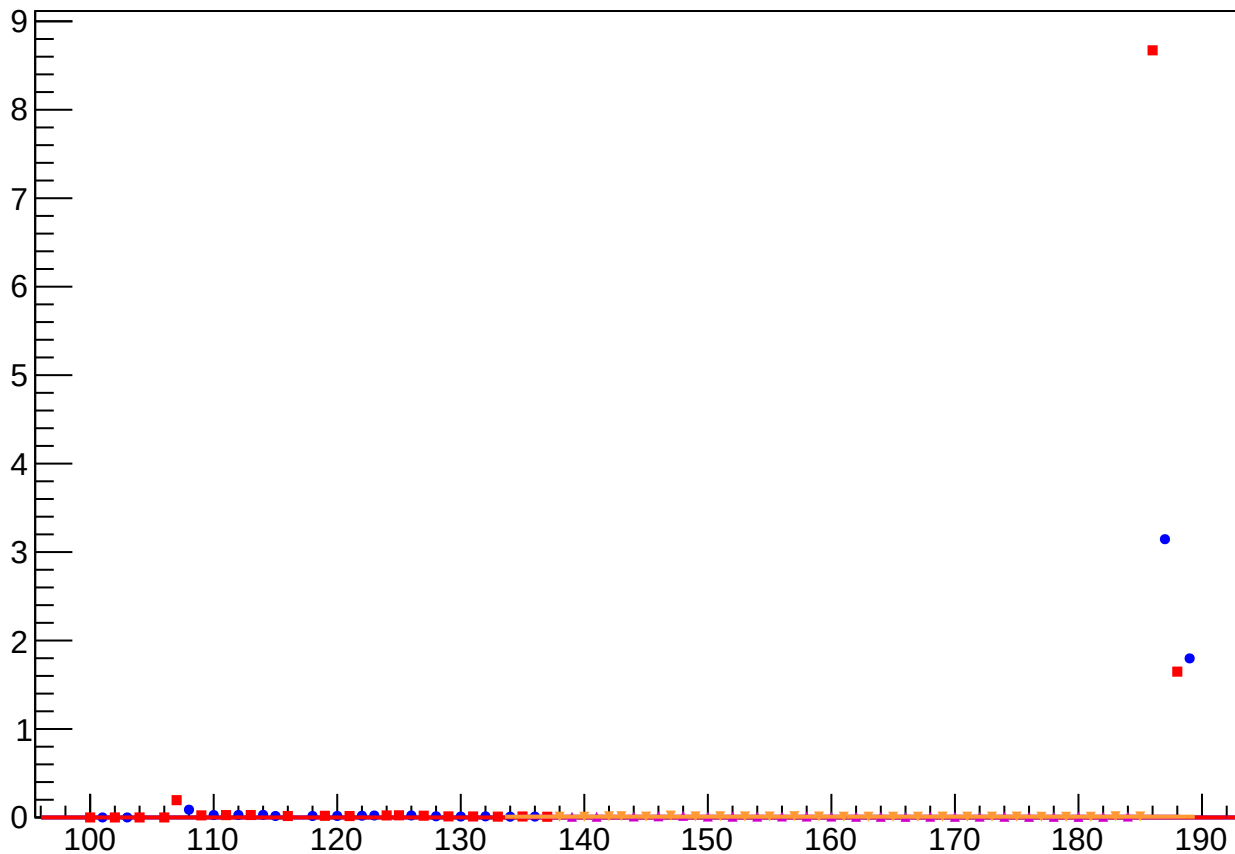
Right: 3.040+/-0.000 χ^2/NDF : 1382254995633743.0

In: 3.560+/-0.000 χ^2/NDF : 4161446593922.5/41

Out: 2.581+/-0.000 χ^2/NDF : 1255733900264695.5

All: 3.038+/-0.000 χ^2/NDF : 13879795592248.0

yield_cav4bY_rms vs Slug, Sign Corrected



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

Left: 0.009+/-0.000 χ^2/NDF : 2503441.1/47

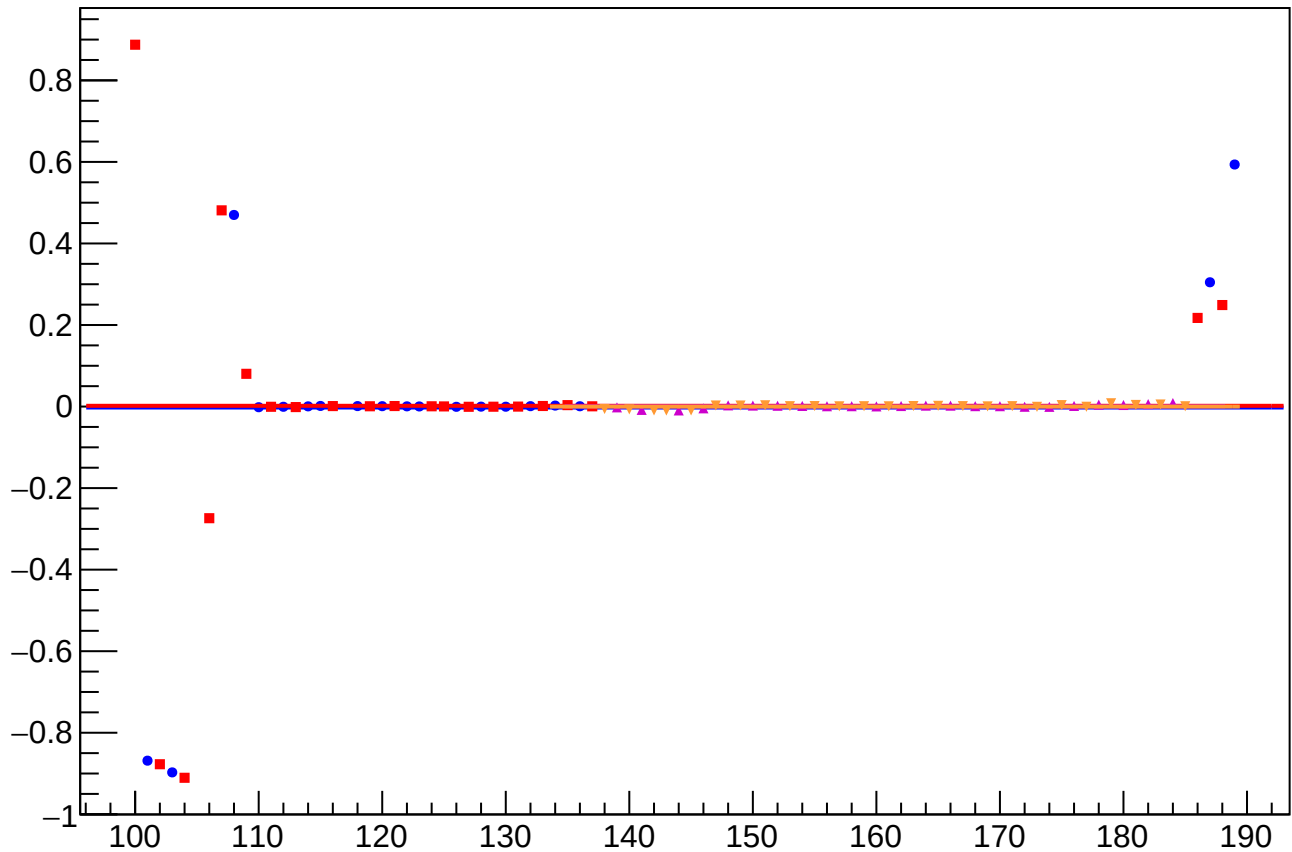
Right: 0.000+/-0.000 χ^2/NDF : 22913980.0/39

In: 0.000+/-0.000 χ^2/NDF : 40545169.9/41

Out: 0.000+/-0.000 χ^2/NDF : 43684001.7/45

All: 0.000+/-0.000 χ^2/NDF : 84229949.9/87

yield_cav4cX_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF : 254489625.0/47

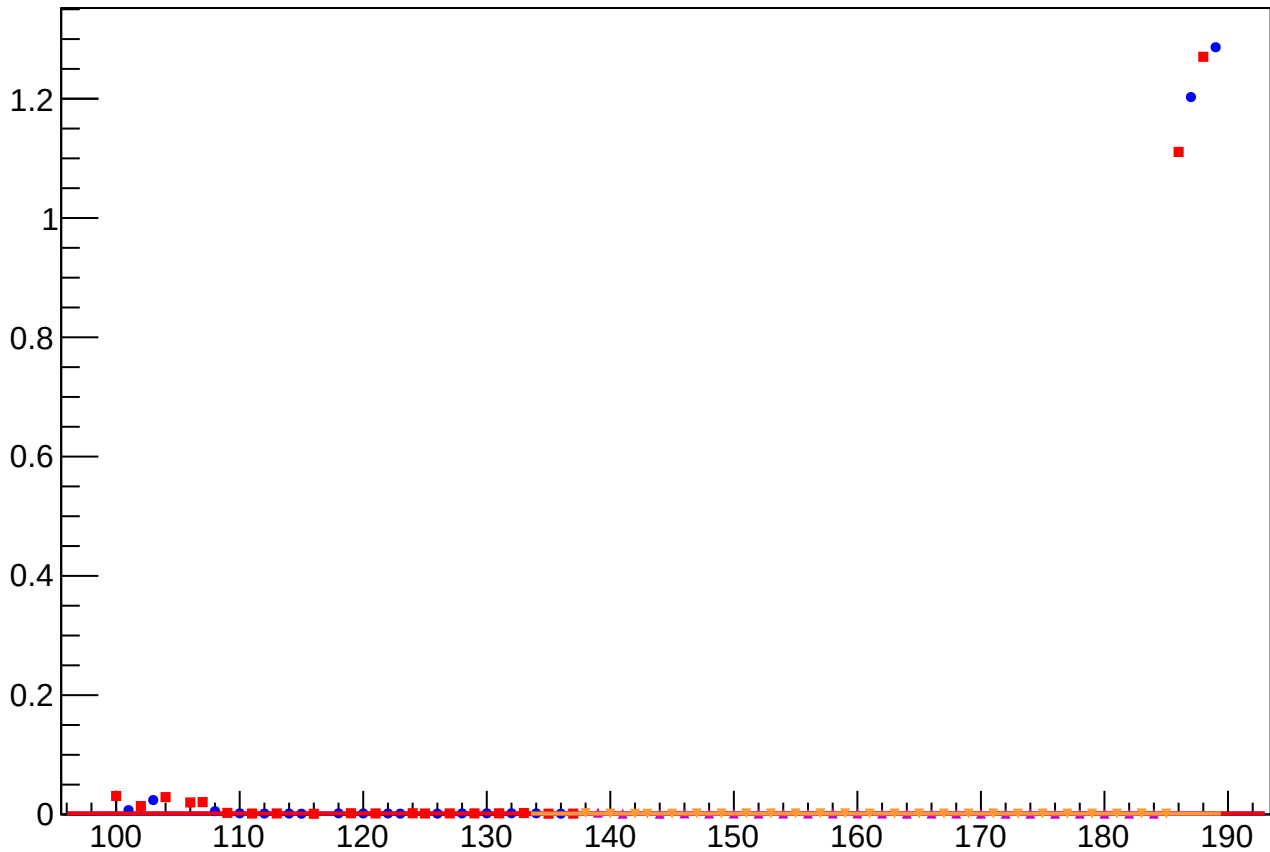
Right: -0.000+/-0.000 χ^2/NDF : 12850488296.7/39

In: -0.000+/-0.000 χ^2/NDF : 9907893705.9/41

Out: 0.000+/-0.000 χ^2/NDF : 3197595803.6/45

All: 0.000+/-0.000 χ^2/NDF : 13105860933.3/8

yield_cav4cX_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF : 1201689.9/47

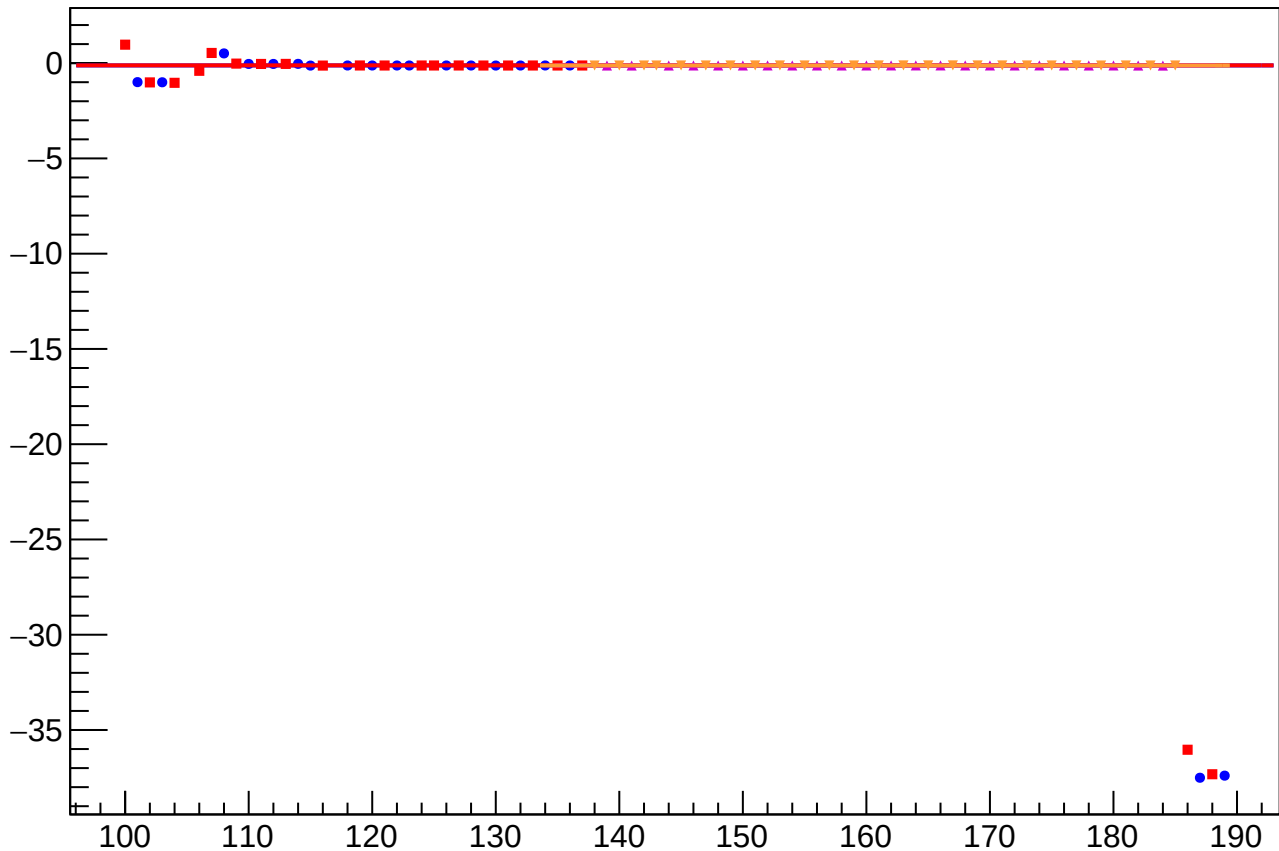
Right: 0.002+/-0.000 χ^2/NDF : 8426919.8/39

In: 0.002+/-0.000 χ^2/NDF : 3718834.1/41

Out: 0.002+/-0.000 χ^2/NDF : 6083593.5/45

All: 0.002+/-0.000 χ^2/NDF : 9803055.6/87

yield_cav4cY_mean vs Slug, Sign Corrected



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

Left: -0.121+/-0.000 χ^2/NDF : 111705307.2/47

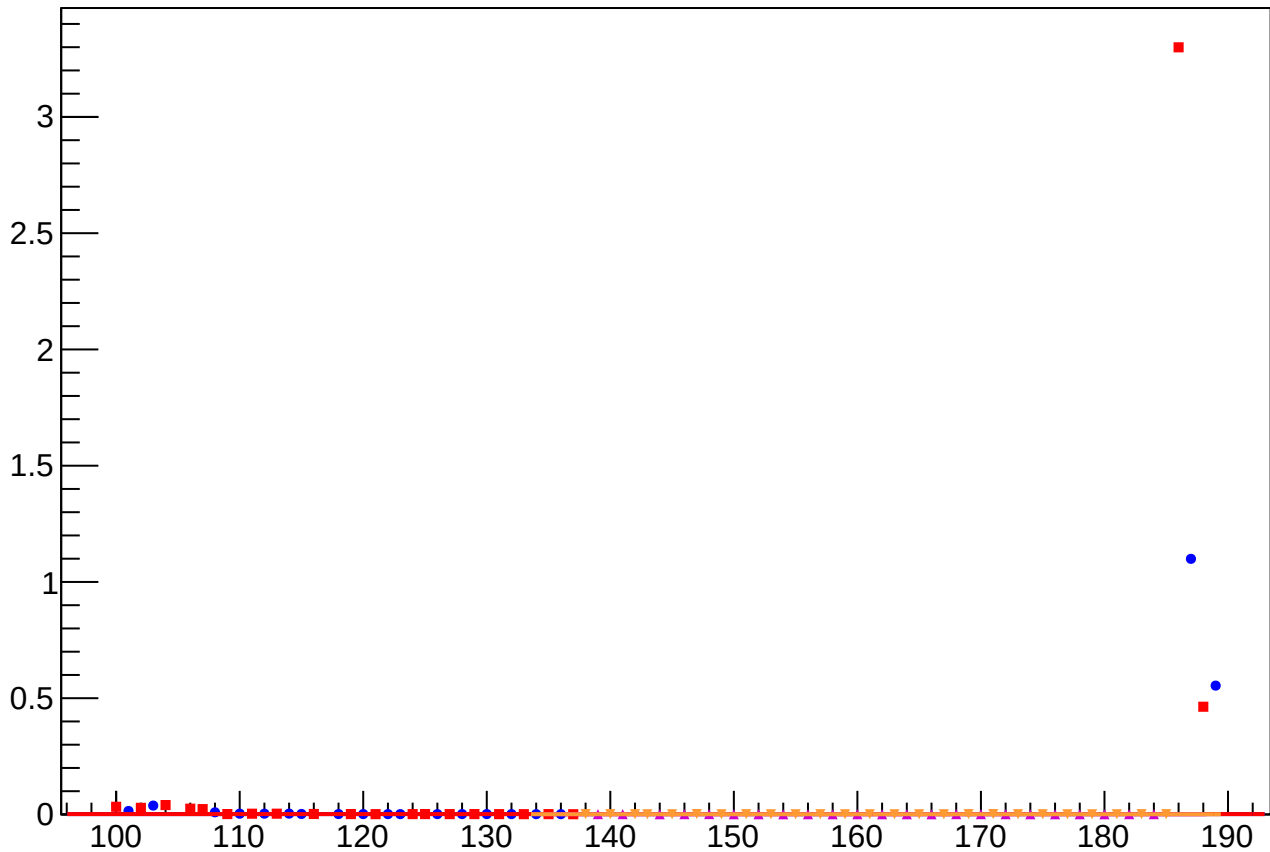
Right: -0.118+/-0.000 χ^2/NDF : 13713469012.0/39

In: -0.121+/-0.000 χ^2/NDF : 5903671889.1/41

Out: -0.121+/-0.000 χ^2/NDF : 7953335700.0/45

All: -0.121+/-0.000 χ^2/NDF : 13857935287.4/100

yield_cav4cY_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF : 2336494.2/47

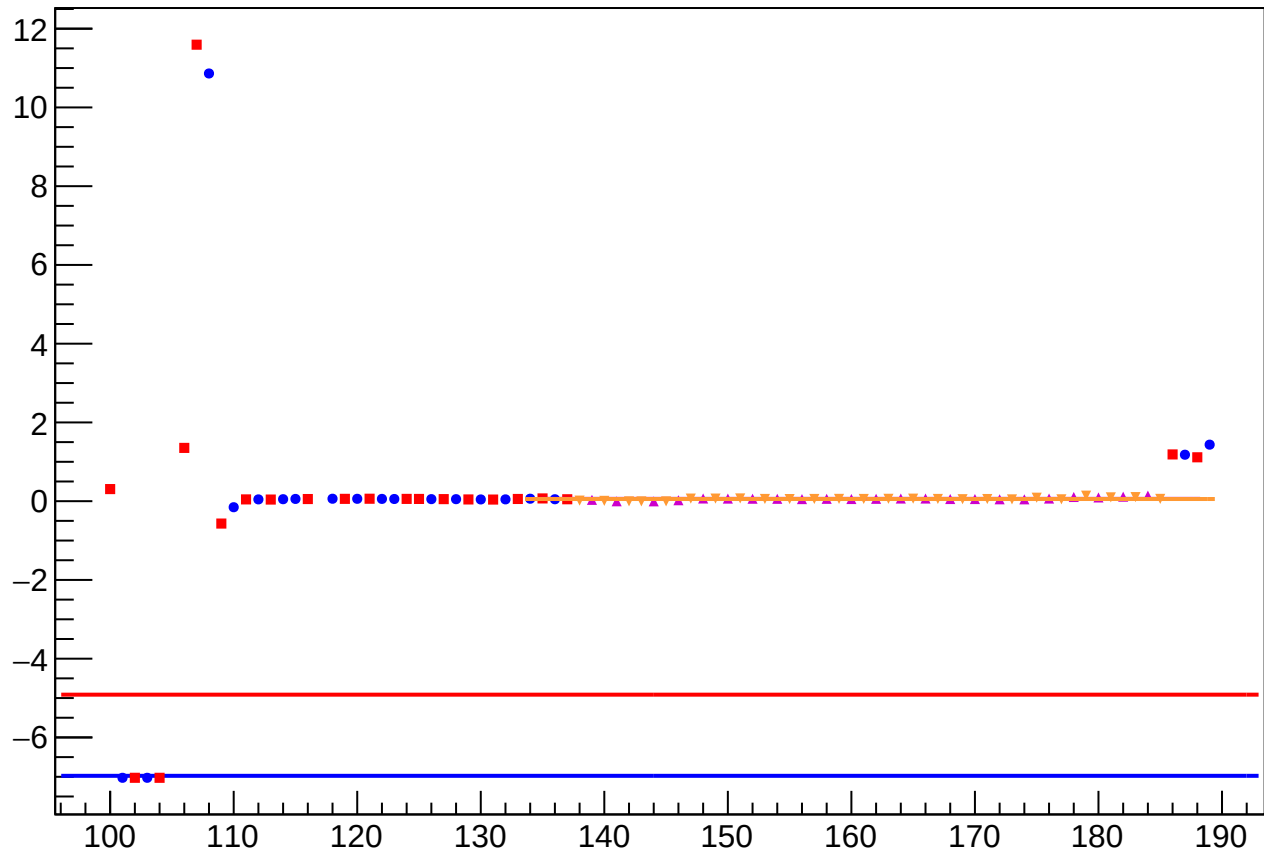
Right: 0.002+/-0.000 χ^2/NDF : 9846568.5/39

In: 0.001+/-0.000 χ^2/NDF :6045723.1/41

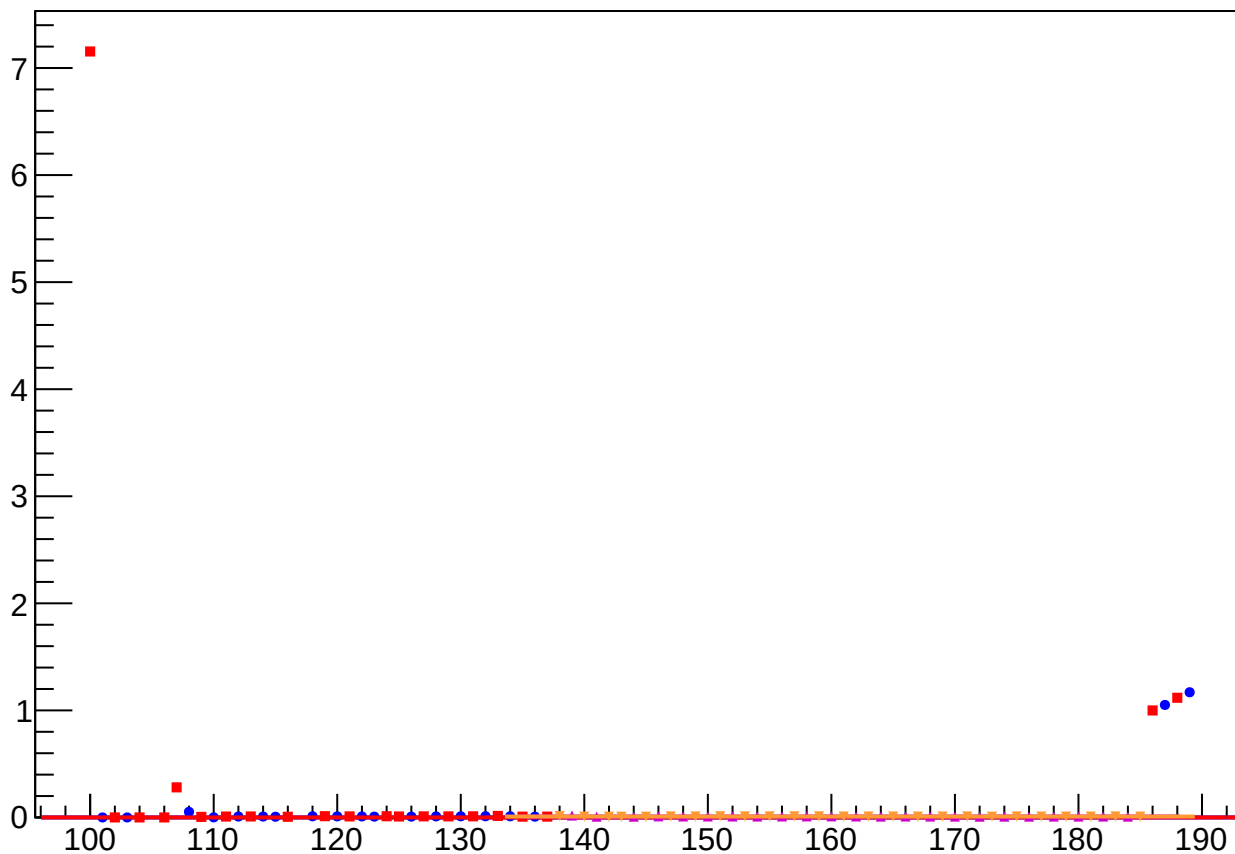
Out: 0.001+/-0.000 χ^2/NDF :8400583.9/45

All: 0.001+/-0.000 χ^2/NDF : 14448426.1/87

yield_cav4dX_mean vs Slug, Sign Corrected



yield_cav4dX_rms vs Slug, Sign Corrected



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

Left: 0.009+/-0.000 χ^2/NDF : 1154784.9/47

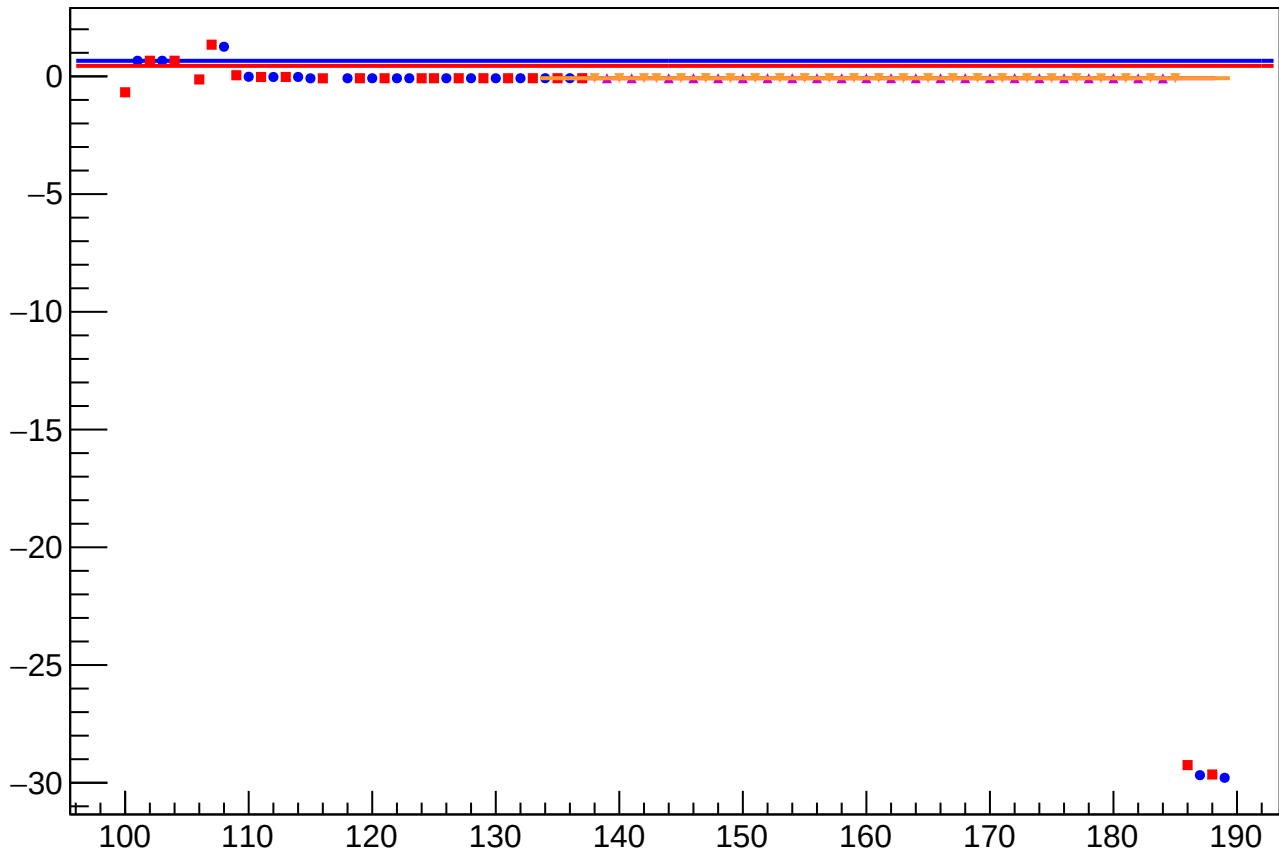
Right: 0.000+/-0.000 χ^2/NDF : 20465480.1/39

In: 0.000+/-0.000 χ^2/NDF : 36954399.8/41

Out: 0.000+/-0.000 χ^2/NDF : 40177135.8/45

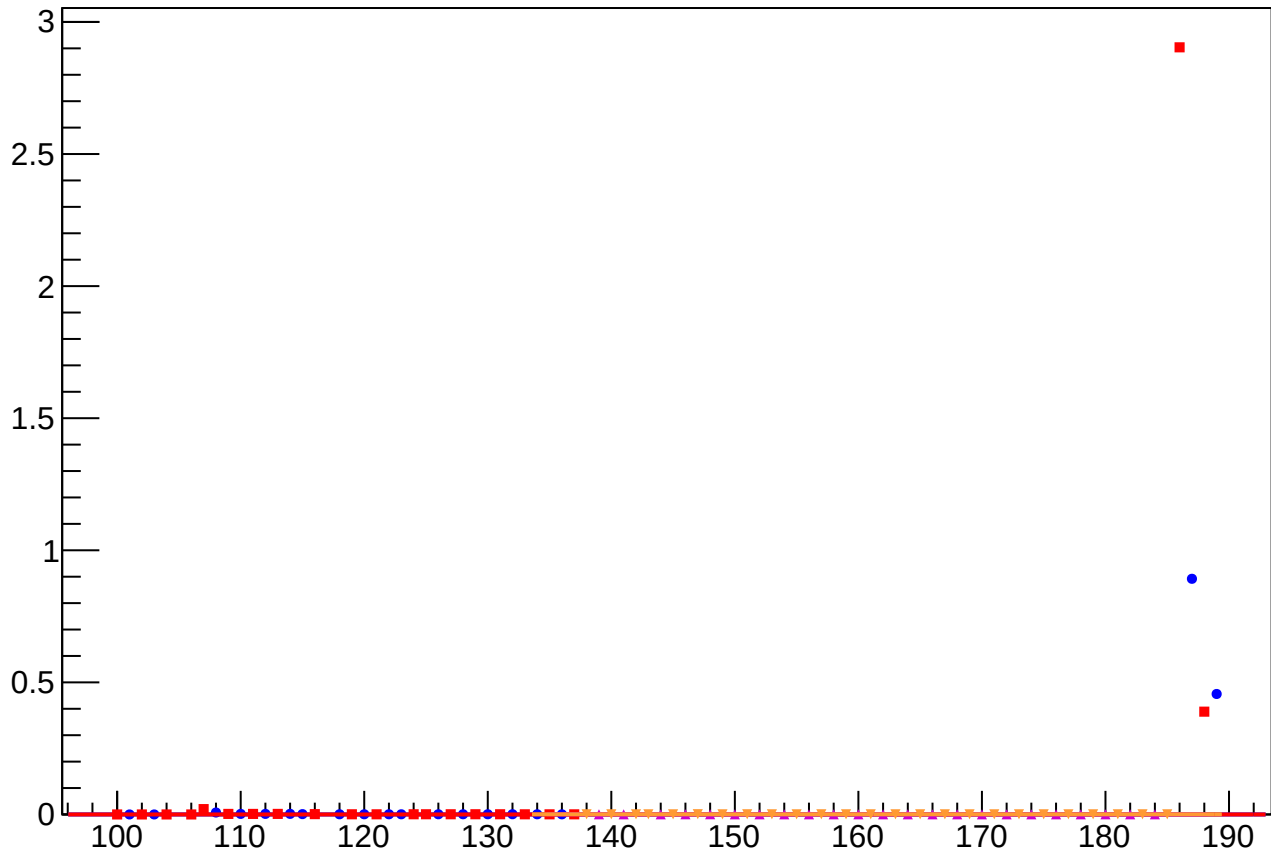
All: 0.000+/-0.000 χ^2/NDF : 77132022.9/87

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000	χ^2/NDF : 5587089923121.8/18	Left: -0.078+/-0.000	χ^2/NDF : 267788024.6/47
Left Out: -0.078+/-0.000	χ^2/NDF : 156525648.0/24	Right: 0.549+/-0.000	χ^2/NDF : 473938119968043.2
Right Out: 0.446+/-0.000	χ^2/NDF : 405421798287313.0/20	In: 0.647+/-0.000	χ^2/NDF : 33847079583167.4/41
Left In: -0.077+/-0.000	χ^2/NDF : 111221084.5/22	Out: 0.436+/-0.000	χ^2/NDF : 420616401964377.4/4
		All: 0.537+/-0.000	χ^2/NDF : 51598817326924

yield_cav4dY_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF : 822908.9/47

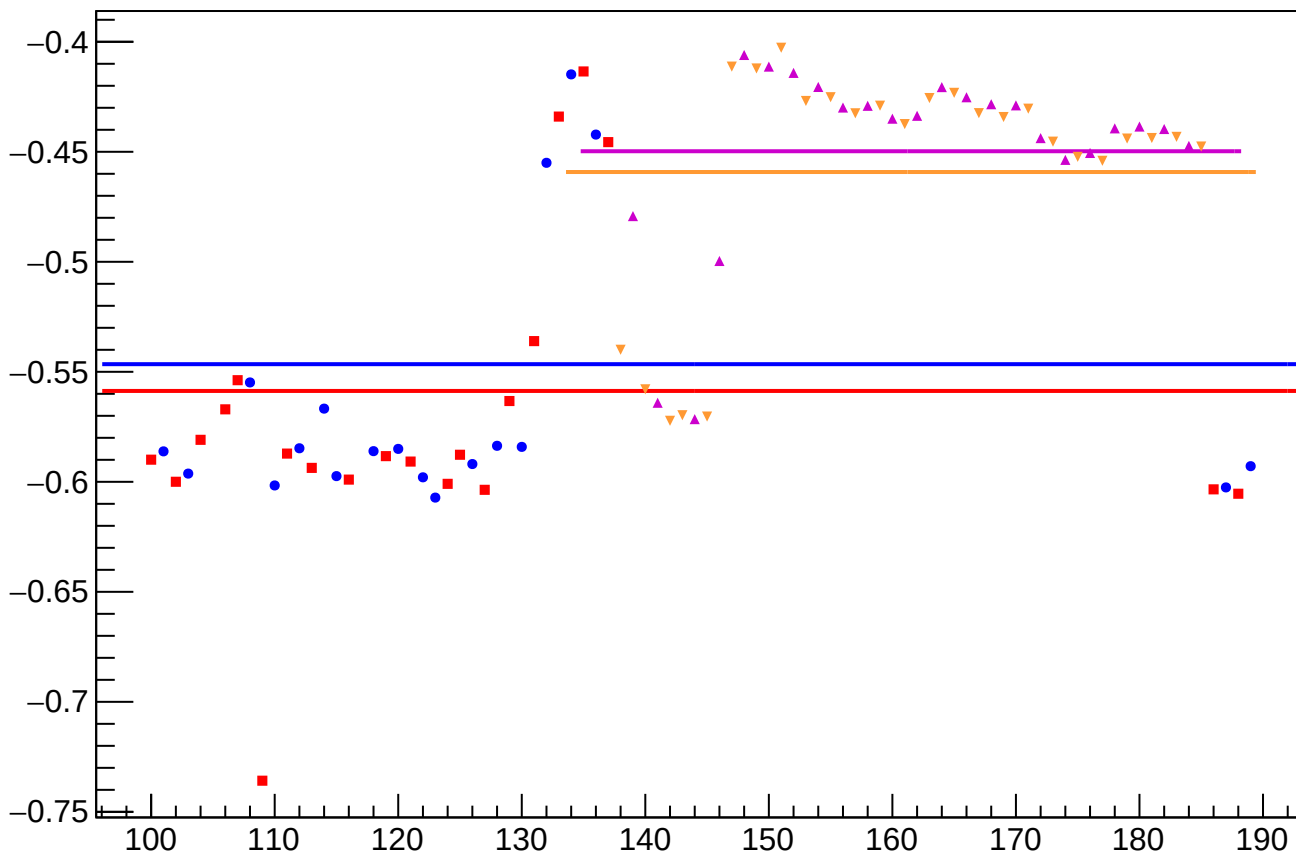
Right: 0.000+/-0.000 χ^2/NDF : 22744900.5/39

In: 0.000+/-0.000 χ^2/NDF : 41893076.0/41

Out: 0.000+/-0.000 χ^2/NDF : 44545322.1/45

All: 0.000+/-0.000 χ^2/NDF : 86438796.6/87

yield_bpm4aX_mean vs Slug, Sign Corrected



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

Left: -0.455+/-0.000 χ^2/NDF : 191688333.2/47

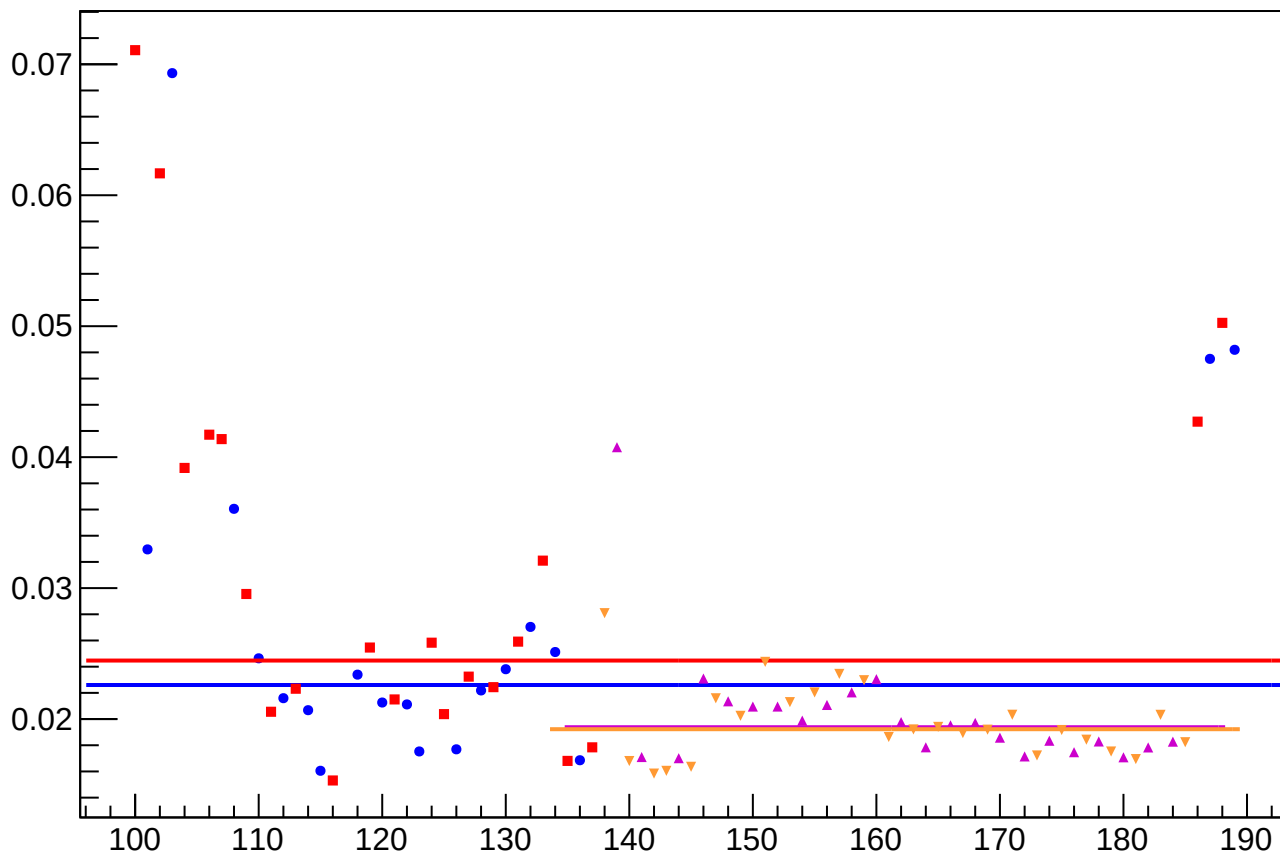
Right: -0.553+/-0.000 χ^2/NDF : 112597508.1/39

In: -0.471+/-0.000 χ^2/NDF : 200531752.8/41

Out: -0.480+/-0.000 χ^2/NDF : 260218432.1/45

All: -0.475+/-0.000 χ^2/NDF : 462490456.6/87

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 1268842.7/18

Left Out: 0.019+/-0.000 χ^2/NDF : 501253.7/24

Right Out: 0.024+/-0.000 χ^2/NDF : 1753712.6/20

Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

Left: 0.019+/-0.000 χ^2/NDF : 1158298.6/47

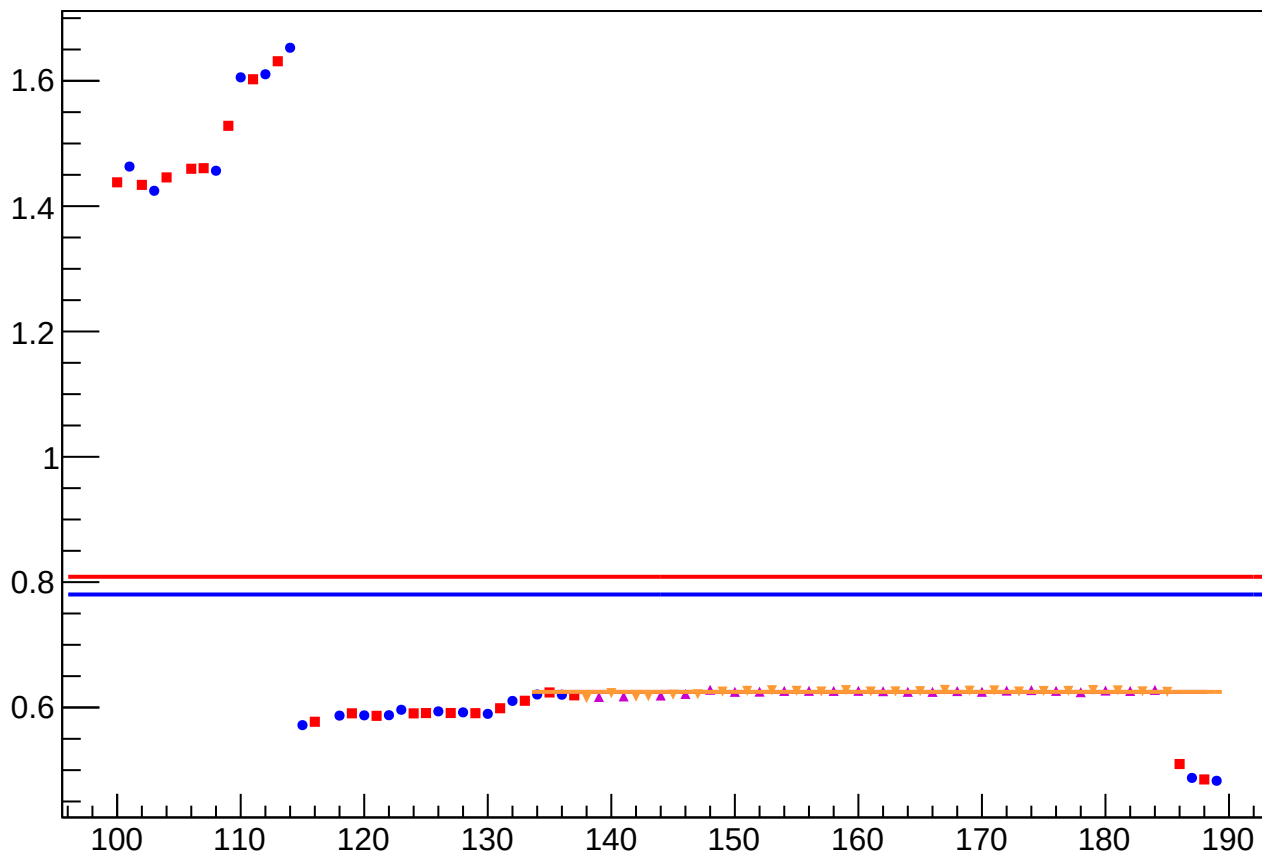
Right: 0.024+/-0.000 χ^2/NDF : 3059100.2/39

In: 0.020+/-0.000 χ^2/NDF : 2096862.4/41

Out: 0.020+/-0.000 χ^2/NDF : 2707512.0/45

All: 0.020+/-0.000 χ^2/NDF : 4806514.8/87

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.780+/-0.000 χ^2/NDF : 3647532295.0/18

Left Out: 0.625+/-0.000 χ^2/NDF :1442225.6/24

Right Out: 0.809+/-0.000 χ^2/NDF : 4400526987.8/20

Left In: 0.625+/-0.000 χ^2/NDF :1135039.4/22

Left: 0.625+/-0.000 χ^2/NDF : 2577573.3/47

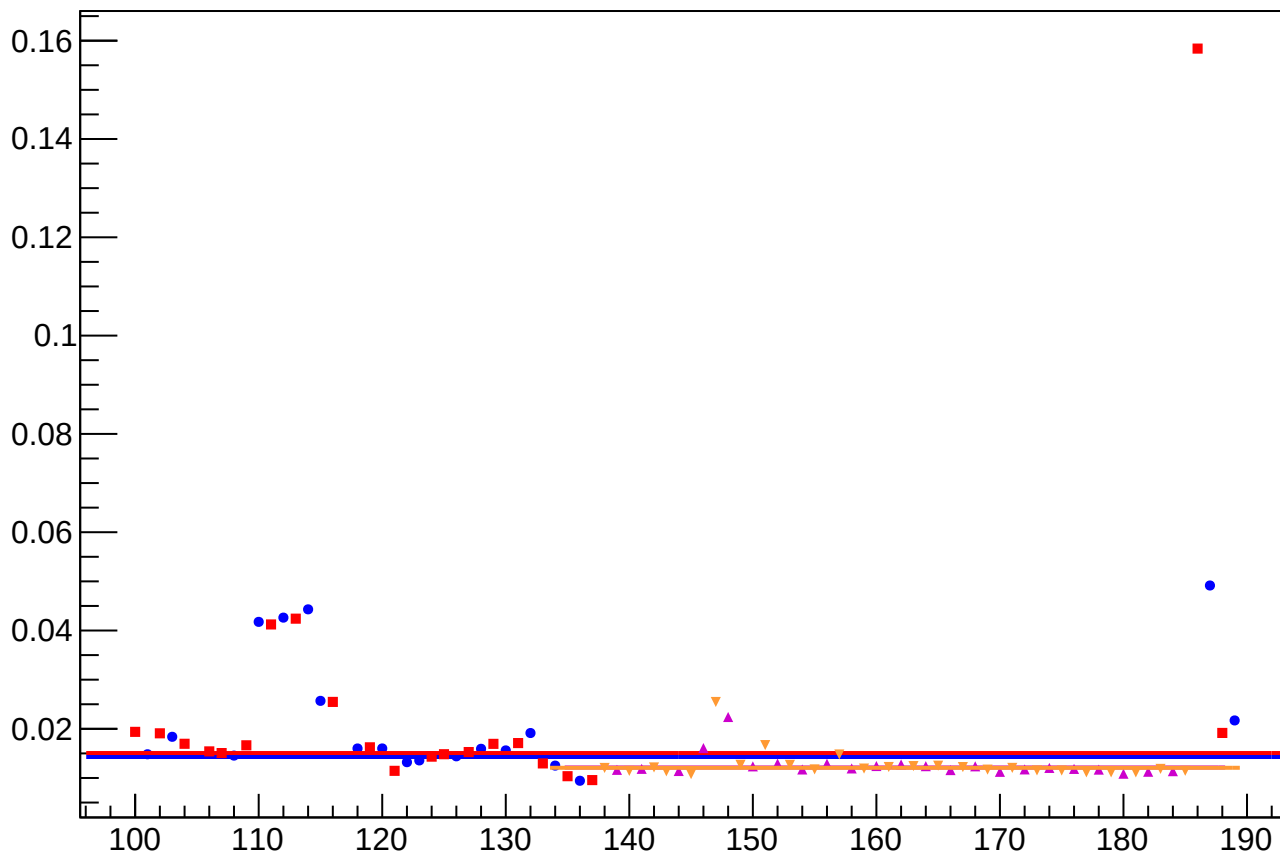
Right: 0.795+/-0.000 χ^2/NDF : 8059942001.8/39

In: 0.657+/-0.000 χ^2/NDF :4214143008.6/41

Out: 0.661+/-0.000 χ^2/NDF :5214616449.9/45

All: 0.659+/-0.000 χ^2/NDF : 9430384687.4/87

yield_bpm4aY_rms vs Slug, Sign Corrected



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

Left: 0.012+/-0.000 χ^2/NDF : 1146144.5/47

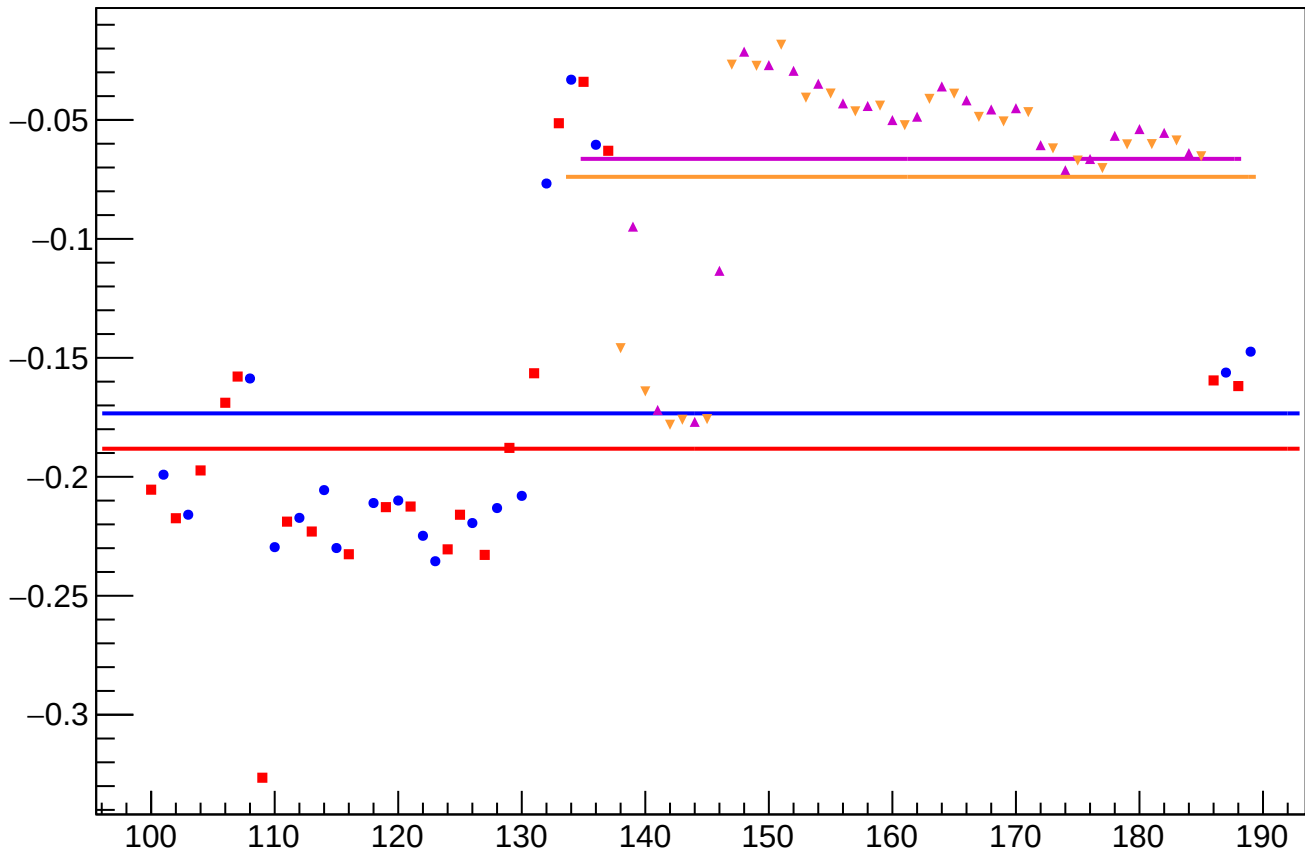
Right: 0.015+/-0.000 χ^2/NDF : 3569281.7/39

In: 0.013+/-0.000 χ^2/NDF : 2327325.6/41

Out: 0.013+/-0.000 χ^2/NDF : 3015757.1/45

All: 0.013+/-0.000 χ^2/NDF : 5344462.3/87

yield_bpm4eX_mean vs Slug, Sign Corrected



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

Left: -0.070+/-0.000 χ^2/NDF : 185261776.8/47

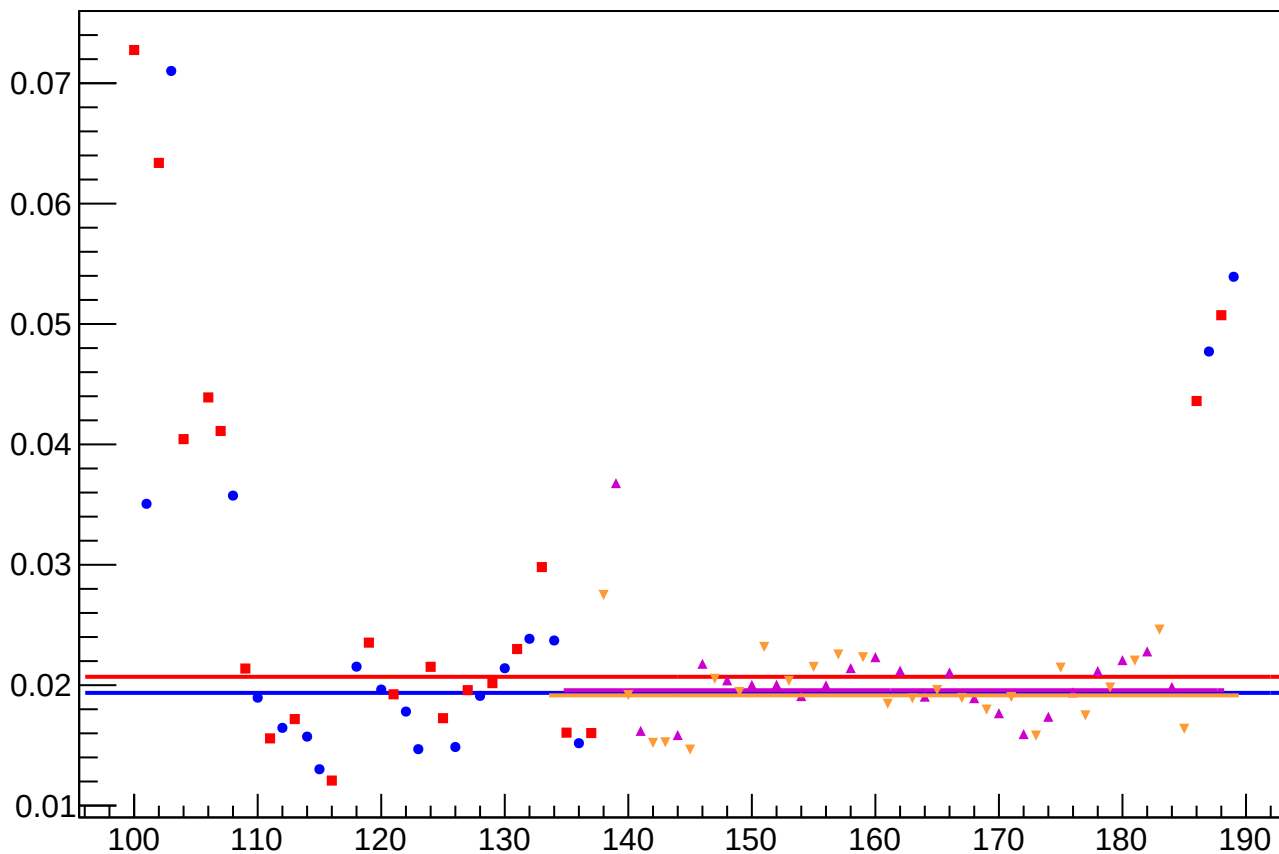
Right: -0.181+/-0.000 χ^2/NDF : 150330298.1/39

In: -0.096+/-0.000 χ^2/NDF : 260065866.7/41

Out: -0.103+/-0.000 χ^2/NDF : 325524441.6/45

All: -0.099+/-0.000 χ^2/NDF : 586983543.7/87

yield_bpm4eX_rms vs Slug, Sign Corrected



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

Left: 0.019+/-0.000 χ^2/NDF : 1299461.3/47

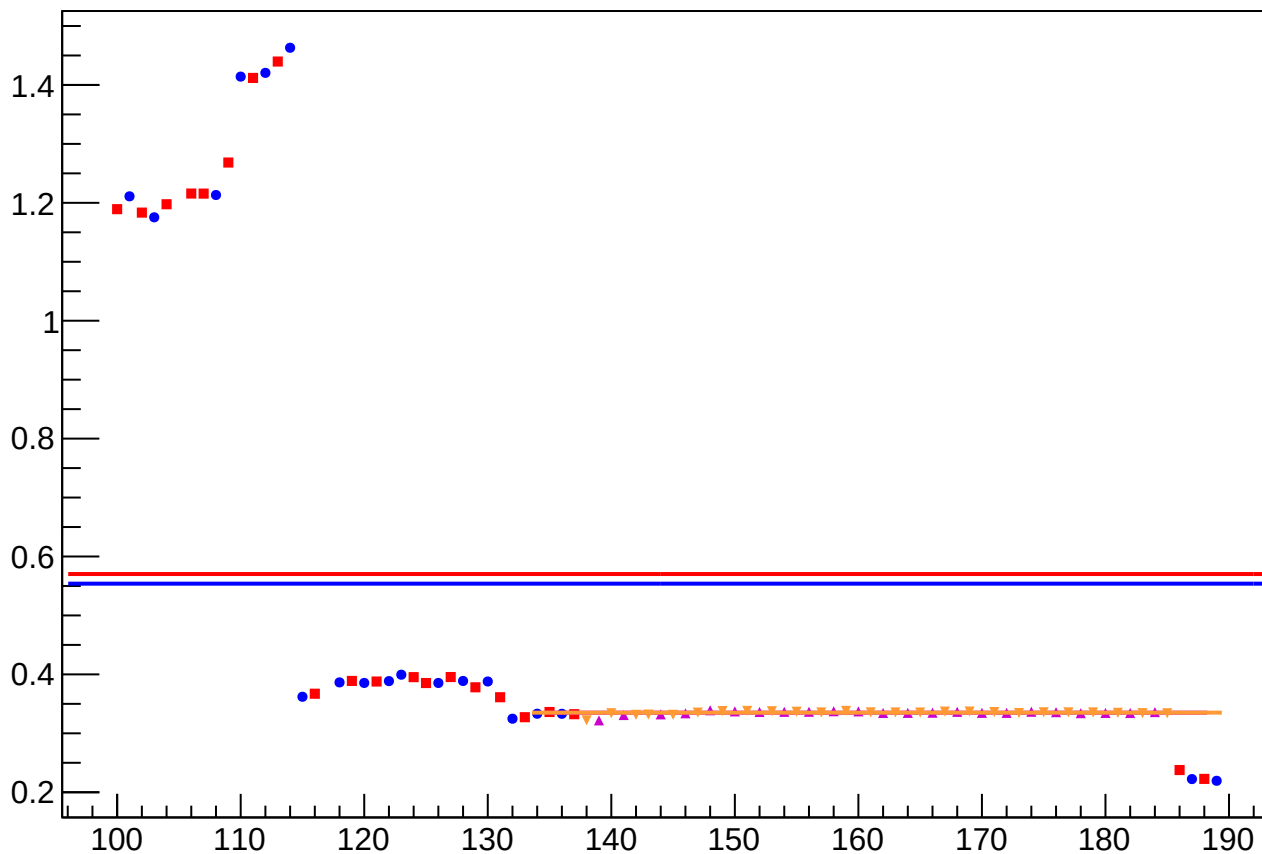
Right: 0.020+/-0.000 χ^2/NDF : 3944963.2/39

In: 0.020+/-0.000 χ^2/NDF : 2300603.7/41

Out: 0.020+/-0.000 χ^2/NDF : 2962226.0/45

All: 0.020+/-0.000 χ^2/NDF : 5262858.5/87

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.554+/-0.000 χ^2/NDF : 5191614530.6/18

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.570+/-0.000 χ^2/NDF : 6032565354.5/20

Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

Left: 0.335+/-0.000 χ^2/NDF : 2352818.7/47

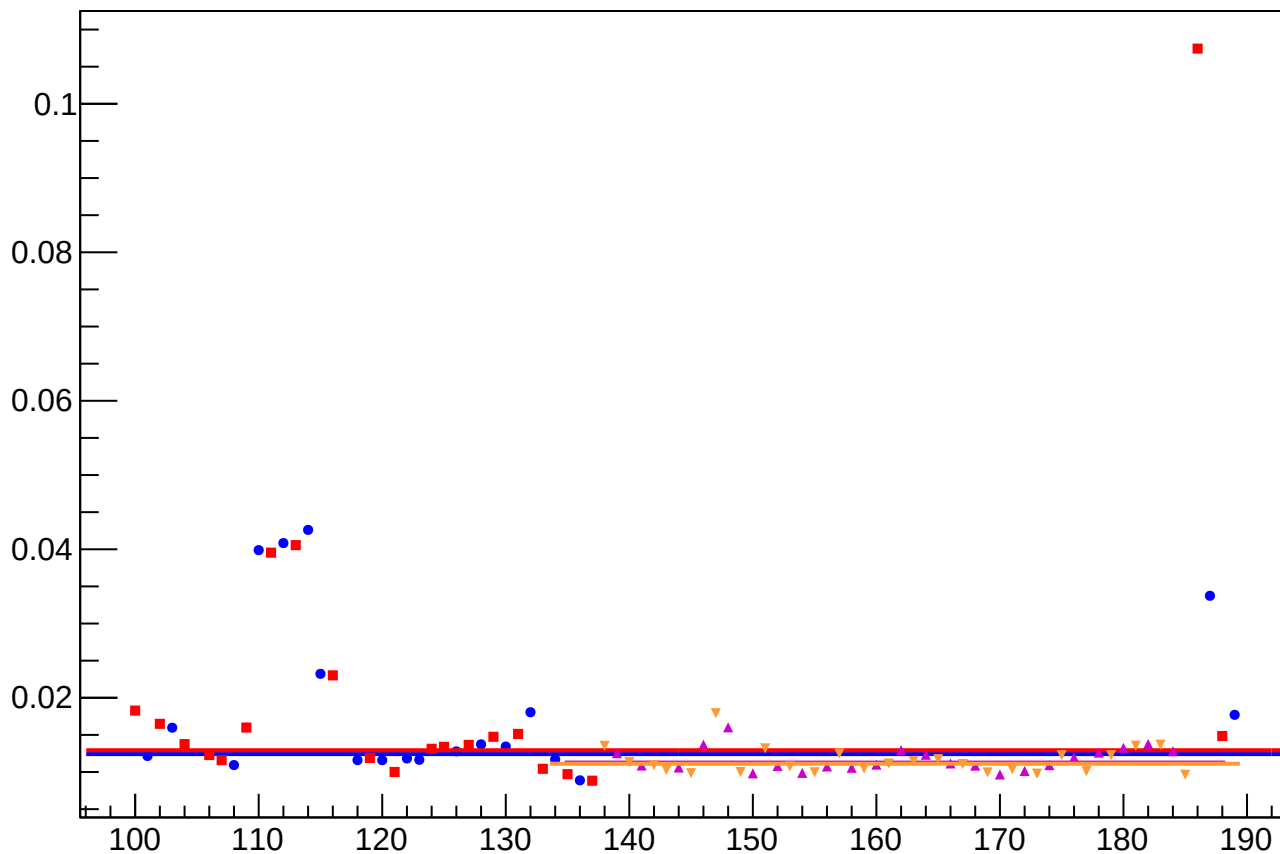
Right: 0.562+/-0.000 χ^2/NDF : 11229494659.4/39

In: 0.385+/-0.000 χ^2/NDF :6637582615.5/41

Out: 0.387+/-0.000 χ^2/NDF :7773580303.0/45

All: 0.386+/-0.000 χ^2/NDF : 14411461320.7/8

yield_bpm4eY_rms vs Slug, Sign Corrected



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

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 1113859.9/47

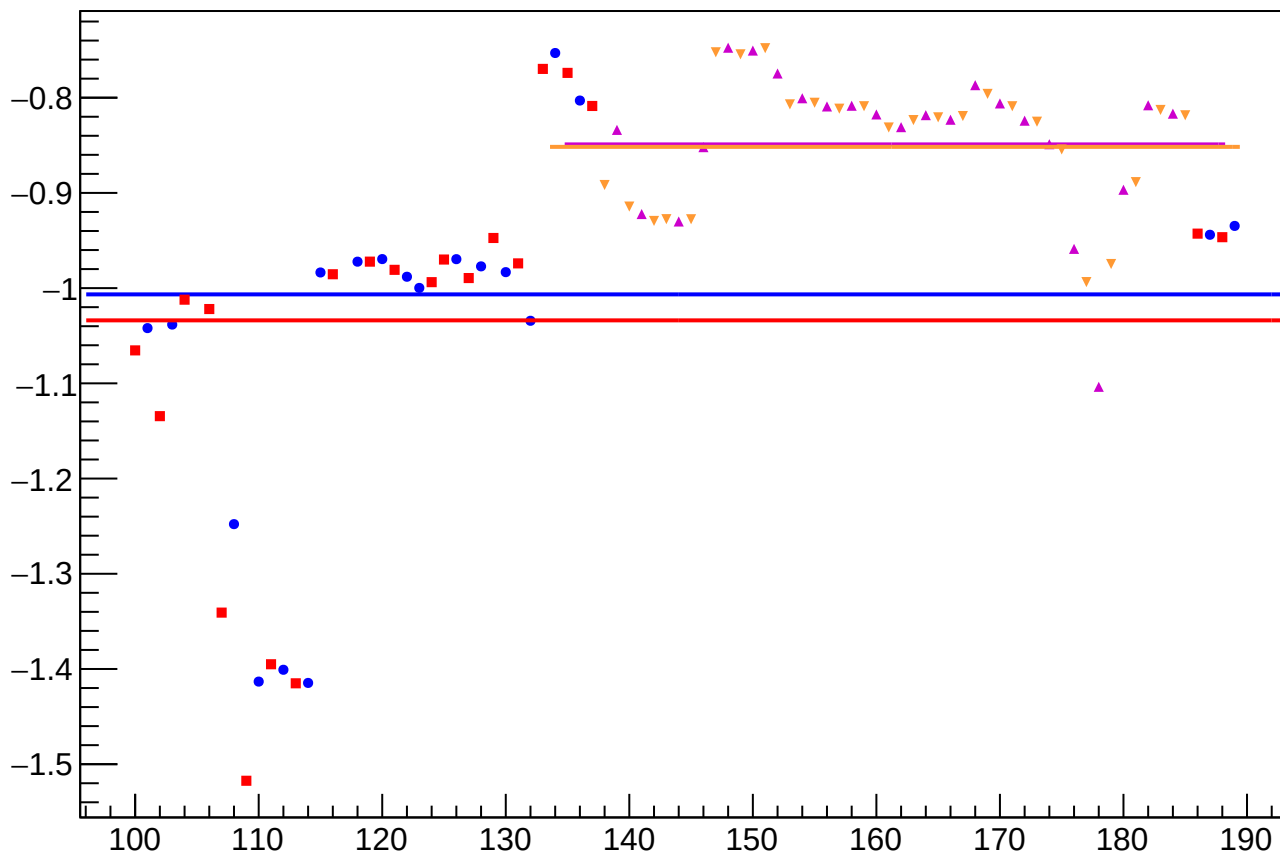
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 3353706.0/39

In: 0.012 $\pm$ 0.000 χ^2 /NDF:2073464.7/41

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:2666817.1/45

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4740331.4/87

yield_bpm4acX_mean vs Slug, Sign Corrected



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

Left: -0.850 ± 0.000 χ^2/NDF : 445849768.4/47

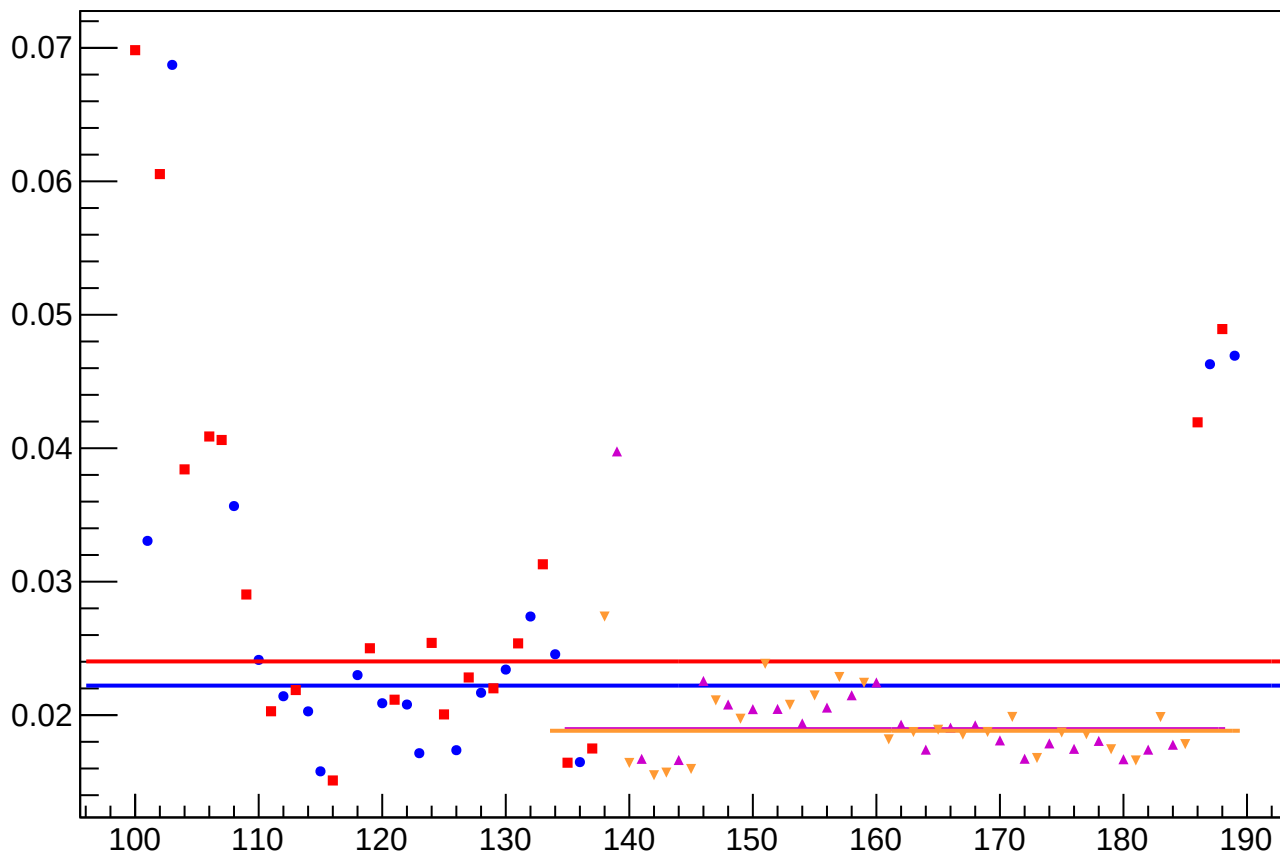
Right: -1.020 ± 0.000 χ^2/NDF : 937427898.0/39

In: -0.884 ± 0.000 χ^2/NDF : 863417374.1/41

Out: -0.889 ± 0.000 χ^2/NDF : 1011876367.4/45

All: -0.886 ± 0.000 χ^2/NDF : 1875985558.1/8

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 1289141.7/18

Left Out: 0.019+/-0.000 χ^2/NDF : 490084.5/24

Right Out: 0.024+/-0.000 χ^2/NDF : 1742897.4/20

Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

Left: 0.019+/-0.000 χ^2/NDF : 1135735.6/47

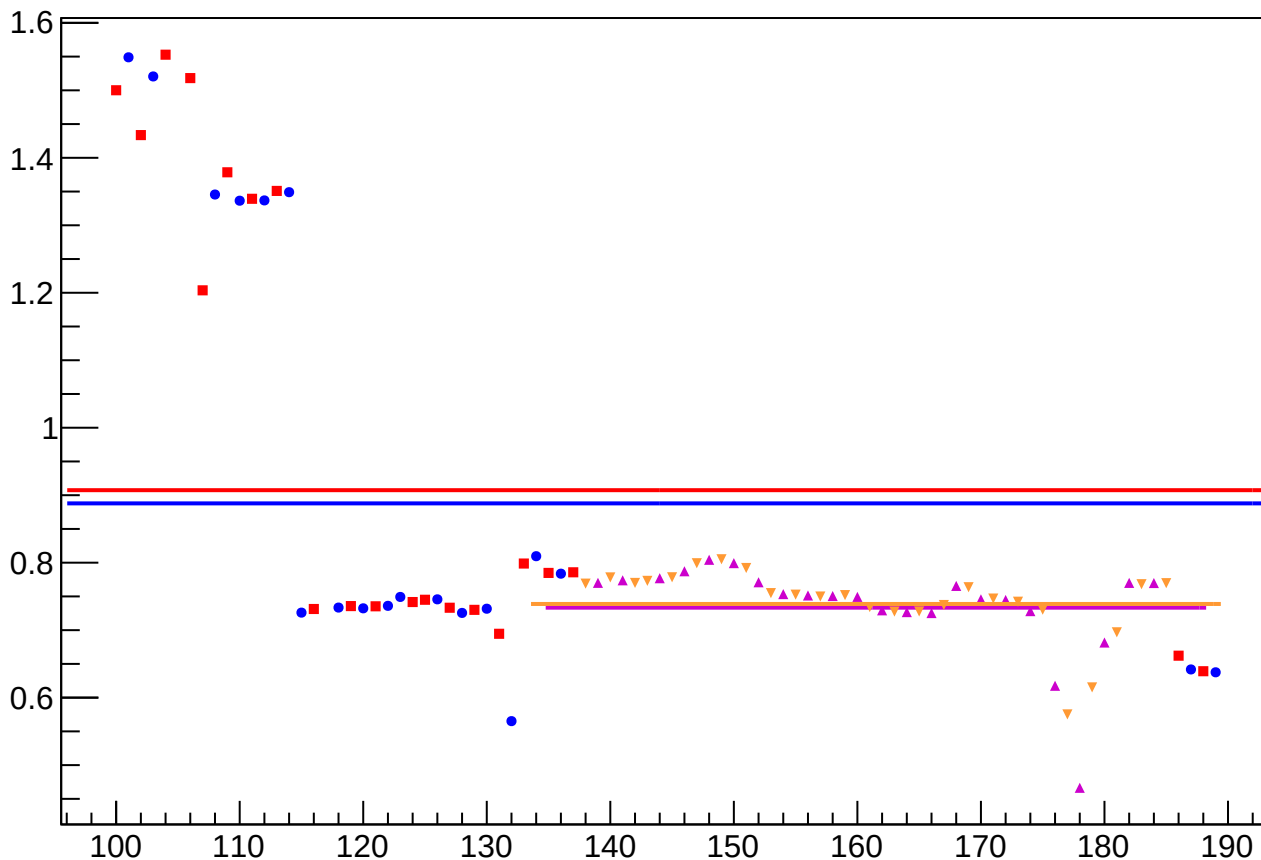
Right: 0.023+/-0.000 χ^2/NDF : 3067651.8/39

In: 0.020+/-0.000 χ^2/NDF : 2116589.0/41

Out: 0.020+/-0.000 χ^2/NDF : 2694047.7/45

All: 0.020+/-0.000 χ^2/NDF : 4813158.6/87

yield_bpm4acY_mean vs Slug, Sign Corrected



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

Right Out: 0.907 $\pm$ 0.000 χ^2 /NDF: 2597800780.3/20

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

Left: 0.736 $\pm$ 0.000 χ^2 /NDF: 905100069.4/47

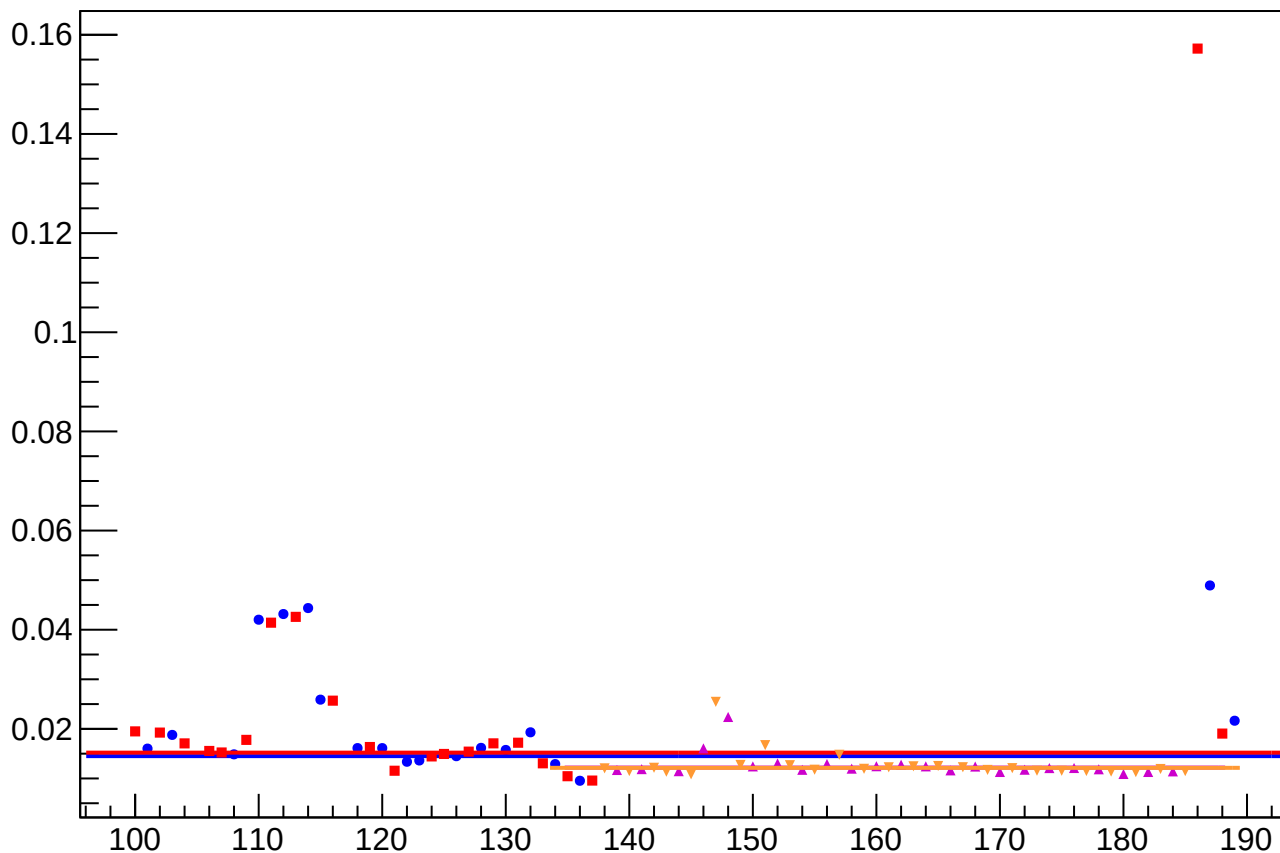
Right: 0.898 $\pm$ 0.000 χ^2 /NDF: 5049962073.2/39

In: 0.764 $\pm$ 0.000 χ^2 /NDF:3558232404.7/41

Out: 0.772 $\pm$ 0.000 χ^2 /NDF:3603077062.0/45

All: 0.768 $\pm$ 0.000 χ^2 /NDF: 7165746785.4/87

yield_bpm4acY_rms vs Slug, Sign Corrected



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

Left: 0.012+/-0.000 χ^2/NDF : 1120132.0/47

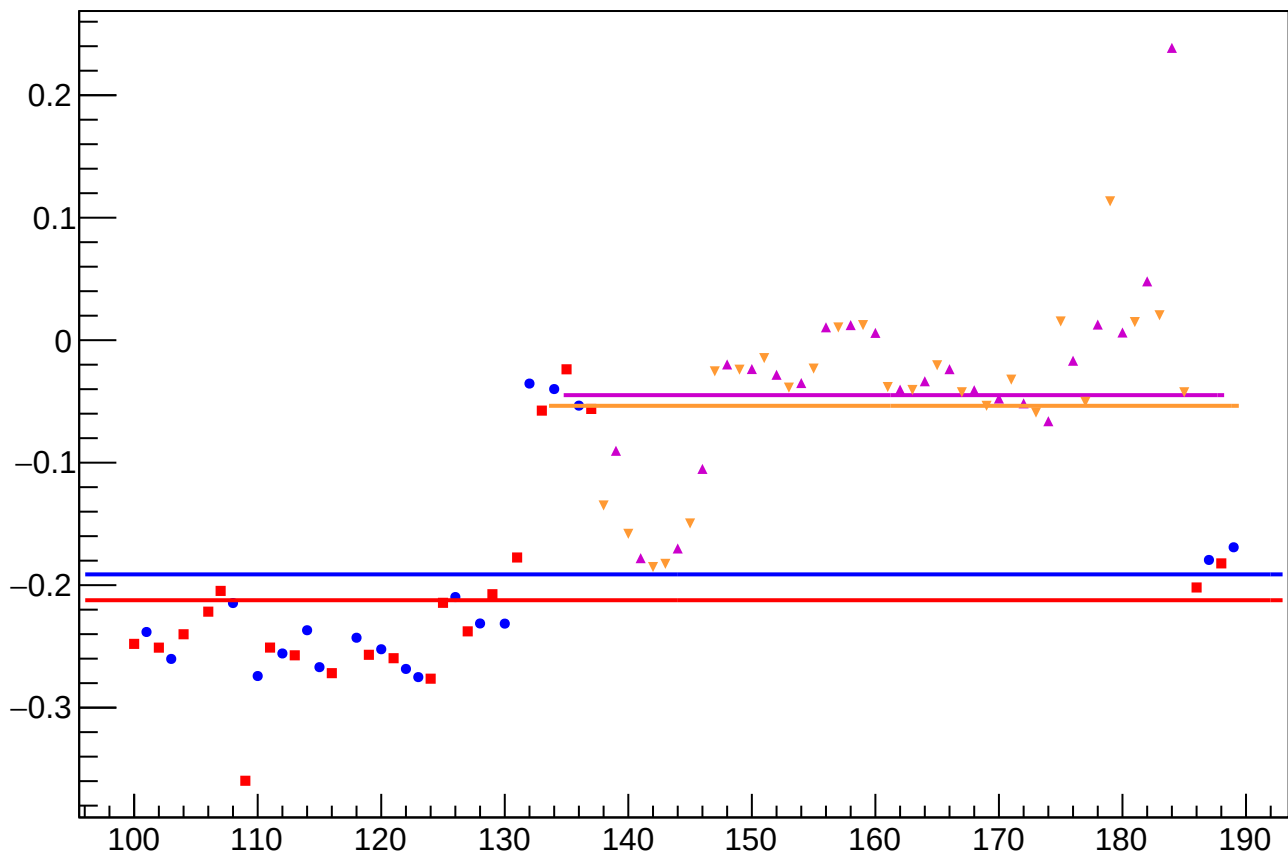
Right: 0.015+/-0.000 χ^2/NDF : 3565593.5/39

In: 0.013+/-0.000 χ^2/NDF : 2351861.3/41

Out: 0.013+/-0.000 χ^2/NDF : 3006021.3/45

All: 0.013+/-0.000 χ^2/NDF : 5359130.6/87

yield_bpm4ecX_mean vs Slug, Sign Corrected



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

Left: -0.049 ± 0.000 χ^2/NDF : 296677486.5/47

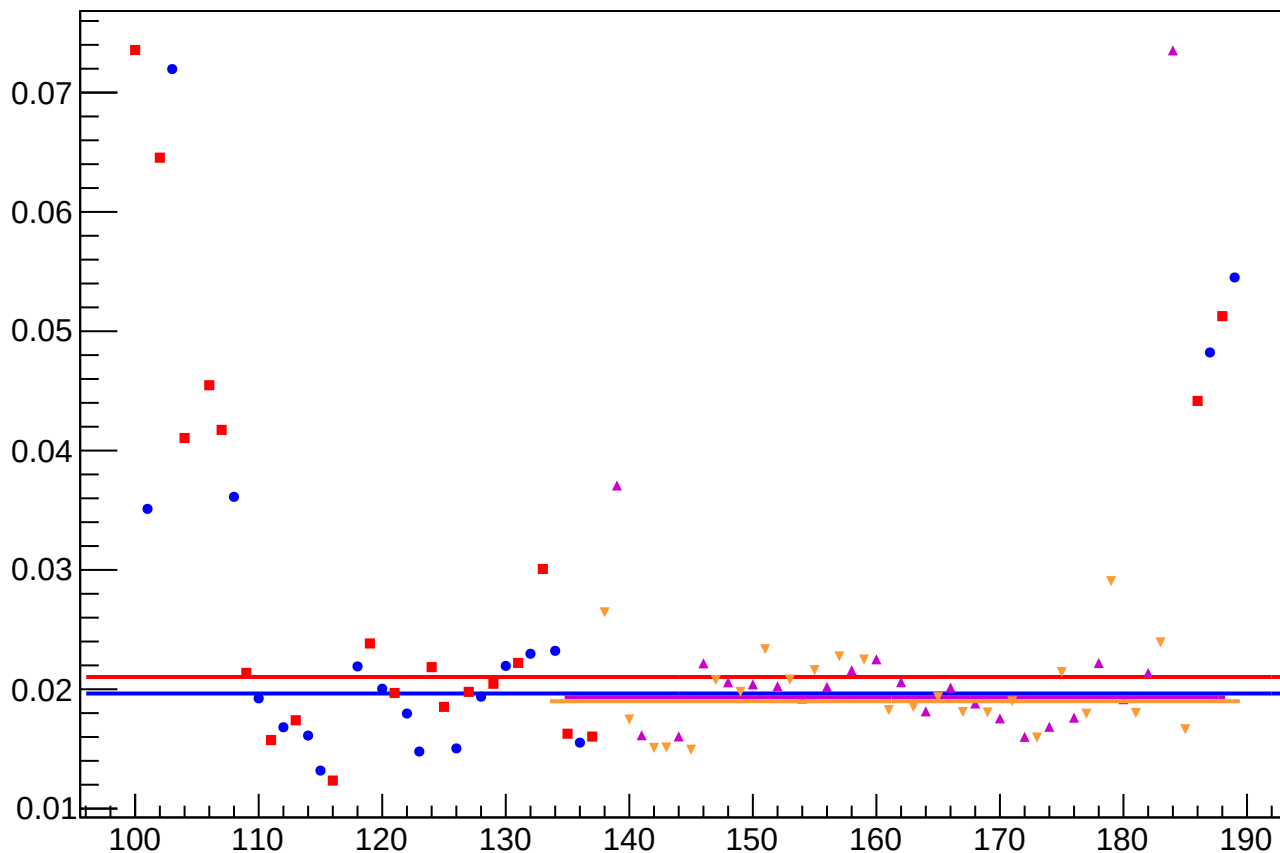
Right: -0.202 ± 0.000 χ^2/NDF : 218978214.1/39

In: -0.084 ± 0.000 χ^2/NDF : 447399575.2/41

Out: -0.093 ± 0.000 χ^2/NDF : 532499899.4/45

All: -0.089 ± 0.000 χ^2/NDF : 982047563.4/87

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF : 1617441.9/18

Left Out: 0.019+/-0.000 χ^2/NDF : 699267.5/24

Right Out: 0.021+/-0.000 χ^2/NDF : 2257191.5/20

Left In: 0.019+/-0.000 χ^2/NDF : 892810.7/22

Left: 0.019+/-0.000 χ^2/NDF : 1596405.3/47

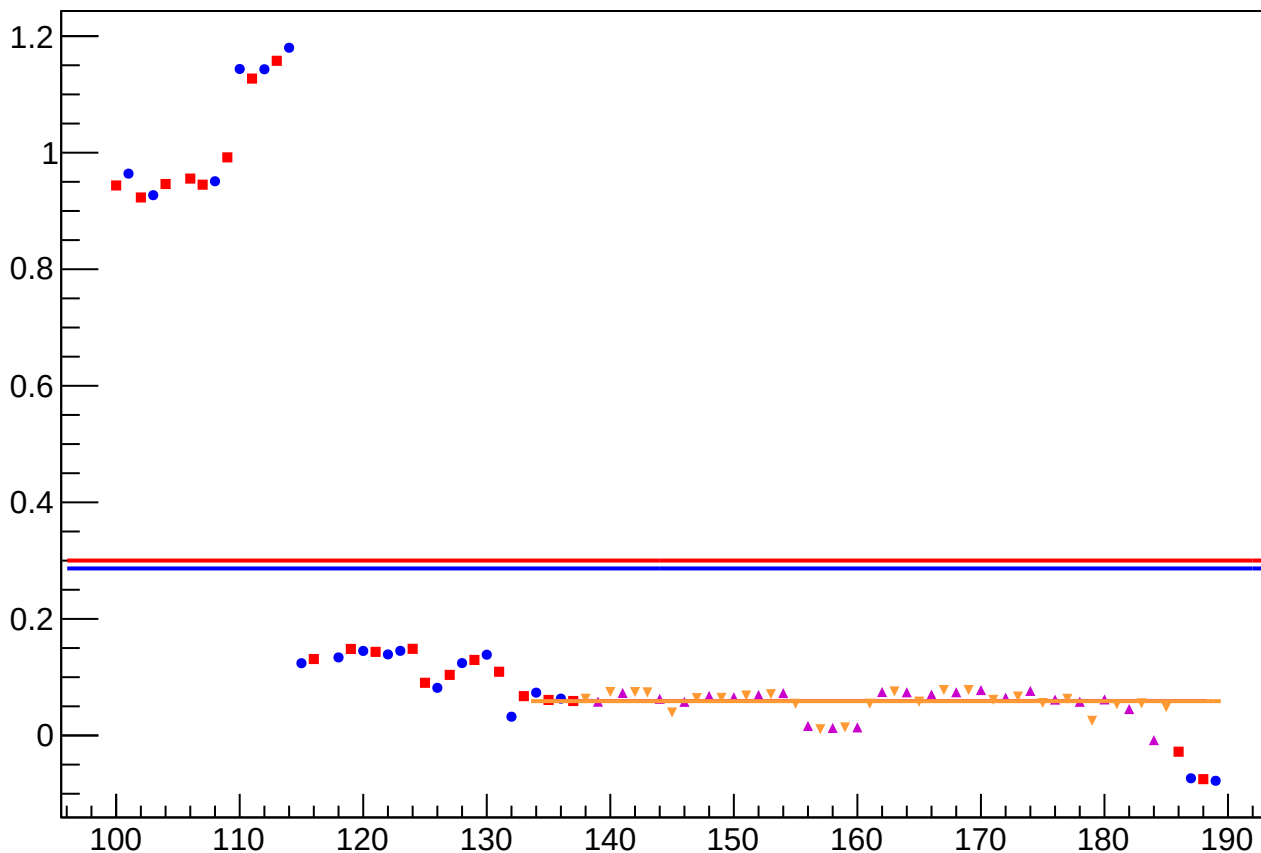
Right: 0.020+/-0.000 χ^2/NDF : 3900611.1/39

In: 0.019+/-0.000 χ^2/NDF : 2512218.8/41

Out: 0.020+/-0.000 χ^2/NDF : 3039896.4/45

All: 0.019+/-0.000 χ^2/NDF : 5552525.5/87

yield_bpm4ecY_mean vs Slug, Sign Corrected



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

Left: 0.059 $\pm$ 0.000 χ^2 /NDF: 105549886.8/47

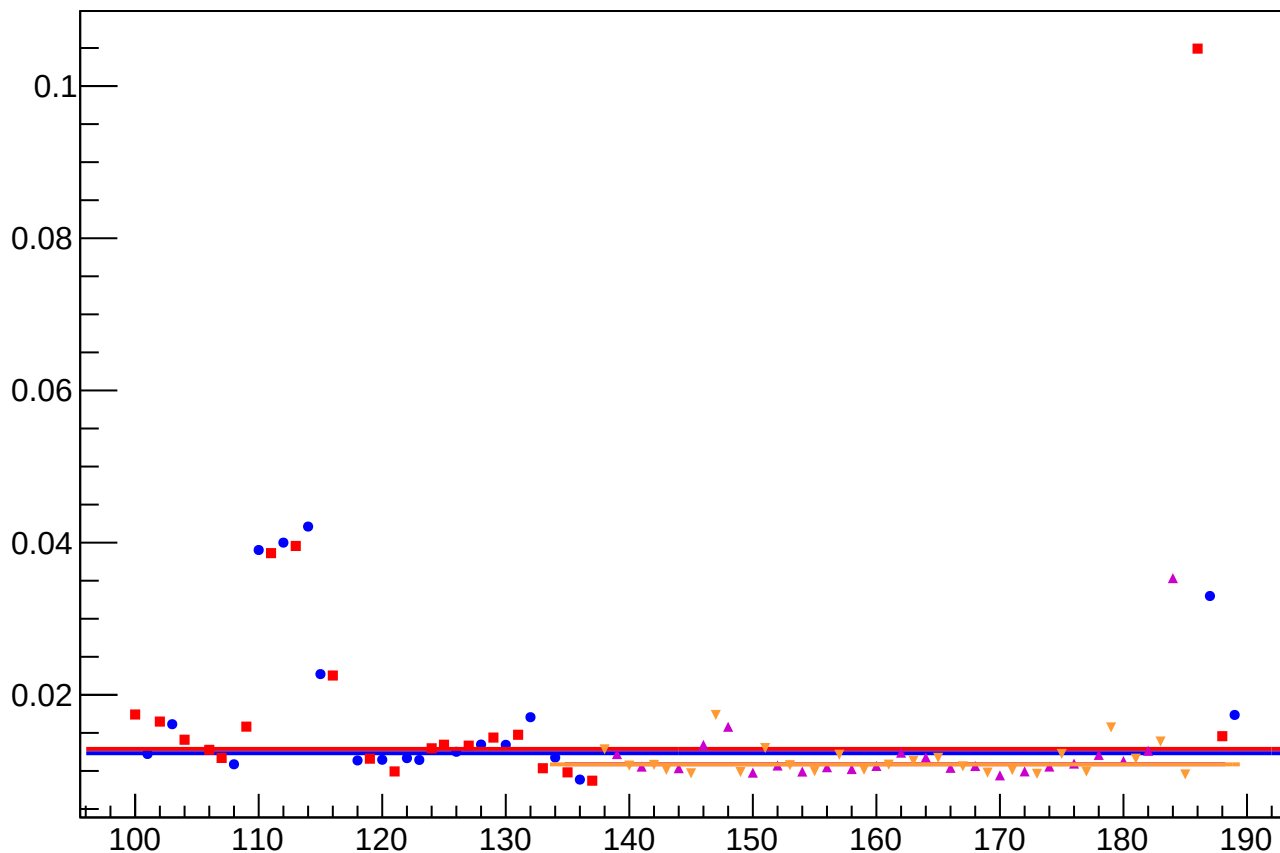
Right: 0.293 $\pm$ 0.000 χ^2 /NDF: 11464373907.7/39

In: 0.110 $\pm$ 0.000 χ^2 /NDF: 7026435313.5/41

Out: 0.112 $\pm$ 0.000 χ^2 /NDF: 7983420684.7/45

All: 0.111 $\pm$ 0.000 χ^2 /NDF: 15010101580.0/86

yield_bpm4ecY_rms vs Slug, Sign Corrected



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

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 1135492.7/47

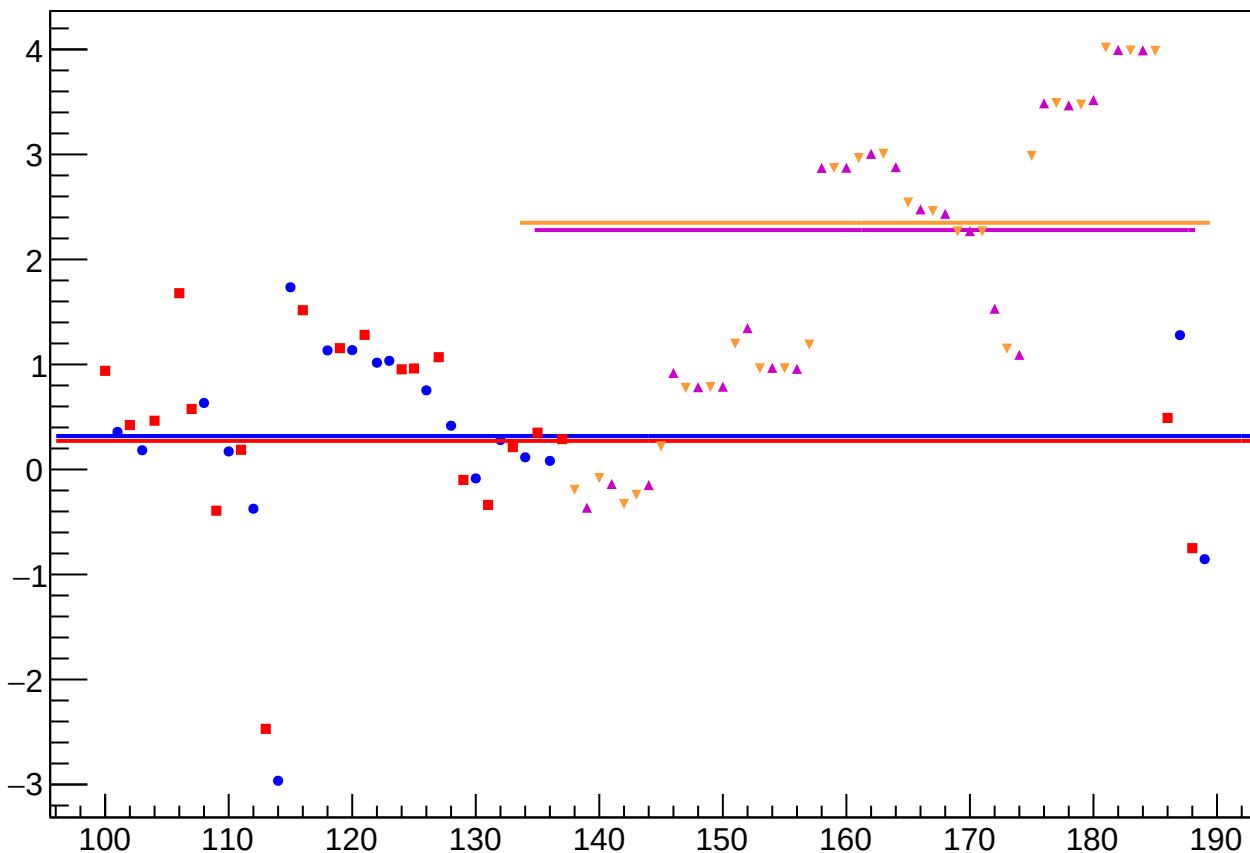
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 3281402.1/39

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2116216.2/41

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:2676799.5/45

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4794693.9/87

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.319 $\pm$ 0.000

χ^2/NDF : 524148574.9/18

Left: 2.314 $\pm$ 0.000 χ^2/NDF : 125168787170.9/47

Right: 0.295 $\pm$ 0.000 χ^2/NDF : 2004593238.2/39

Left Out: 2.349 $\pm$ 0.000

χ^2/NDF : 63600066268.3/24

In: 2.209 $\pm$ 0.000 χ^2/NDF : 69254897987.6/41

Right Out: 0.272 $\pm$ 0.000

χ^2/NDF : 1478273499.8/20

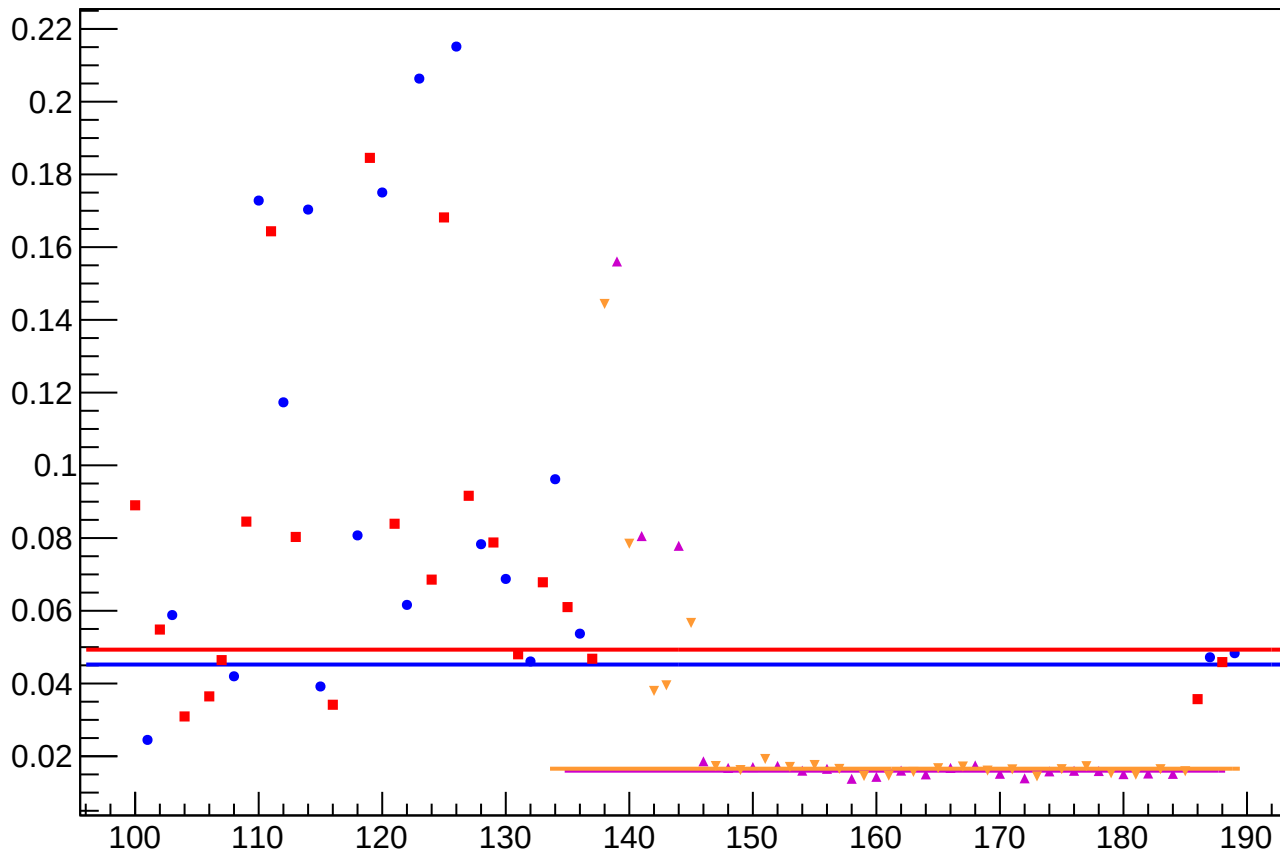
Out: 2.266 $\pm$ 0.000 χ^2/NDF : 73913339309.3/45

Left In: 2.280 $\pm$ 0.000

χ^2/NDF : 61444254541.3/22

All: 2.237 $\pm$ 0.000 χ^2/NDF : 143256551795.6

yield_bpm1X_rms vs Slug, Sign Corrected



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

Left: 0.016+/-0.000 χ^2/NDF : 5102815.6/47

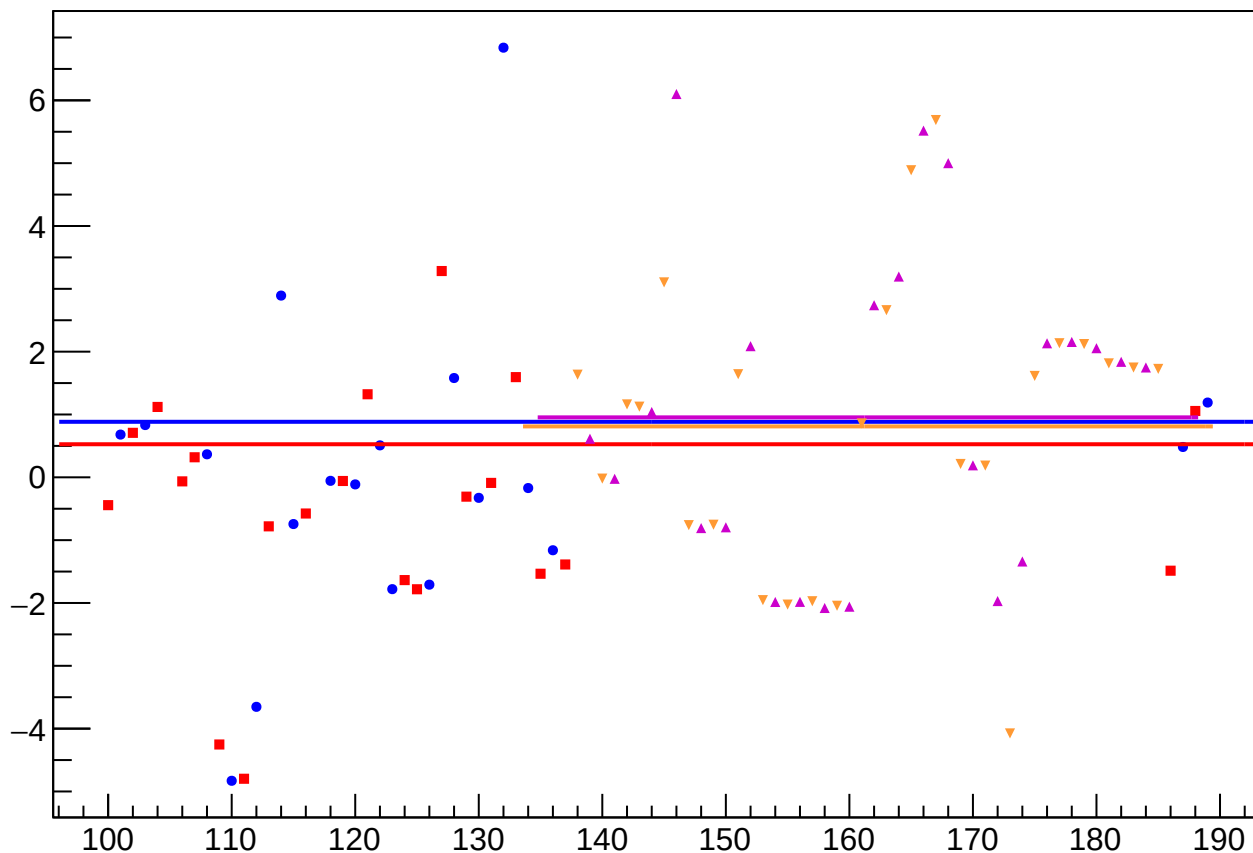
Right: 0.047+/-0.000 χ^2/NDF : 5127027.7/39

In: 0.017+/-0.000 χ^2/NDF :8467669.3/41

Out: 0.018+/-0.000 χ^2/NDF :9329801.1/45

All: 0.017+/-0.000 χ^2/NDF : 17831678.1/87

yield_bpm1Y_mean vs Slug, Sign Corrected



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

Left: 0.883 $\pm$ 0.000 χ^2 /NDF: 1083260277372.9/47

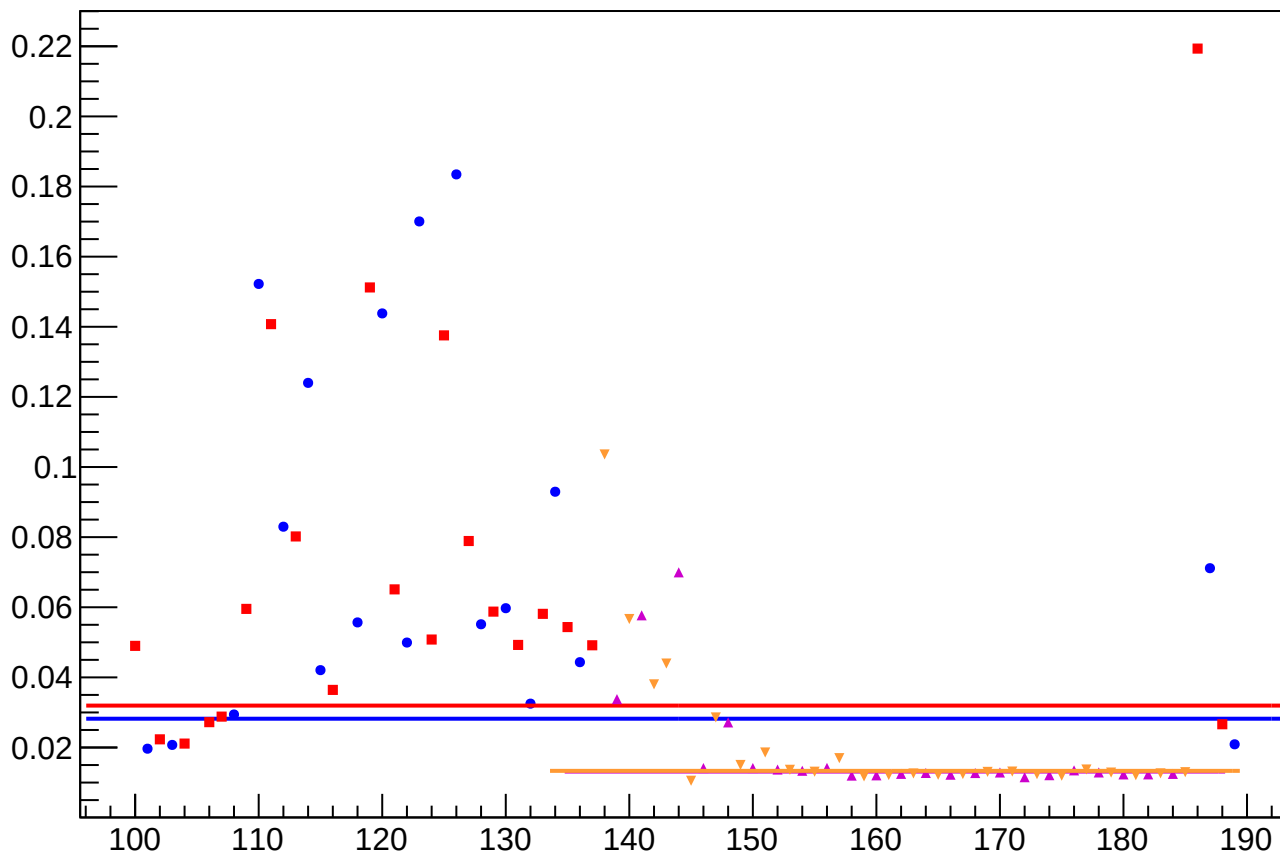
Right: 0.709 $\pm$ 0.000 χ^2 /NDF: 16660686376.3/39

In: 0.951 $\pm$ 0.000 χ^2 /NDF: 585846748312.5/41

Out: 0.796 $\pm$ 0.000 χ^2 /NDF: 513263385933.9/45

All: 0.874 $\pm$ 0.000 χ^2 /NDF: 1100184793637.

yield_bpm1Y_rms vs Slug, Sign Corrected



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

Left: 0.013 $\pm$ 0.000 χ^2 /NDF: 4800890.3/47

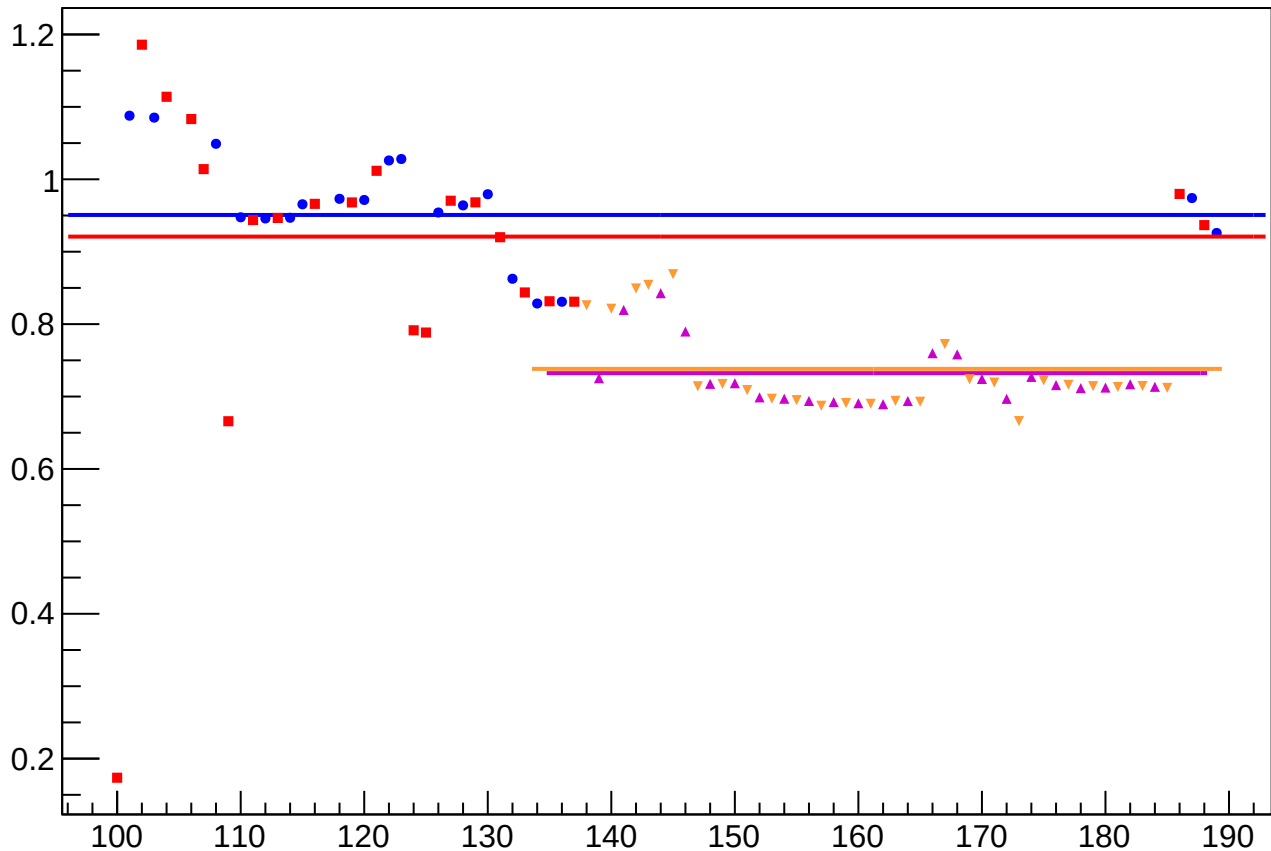
Right: 0.030 $\pm$ 0.000 χ^2 /NDF: 6882947.7/39

In: 0.014 $\pm$ 0.000 χ^2 /NDF:7160589.2/41

Out: 0.014 $\pm$ 0.000 χ^2 /NDF:9458695.9/45

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 16630694.8/87

yield_bpm11X_mean vs Slug, Sign Corrected



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

Left: 0.735 ± 0.000 χ^2/NDF : 482865670.9/47

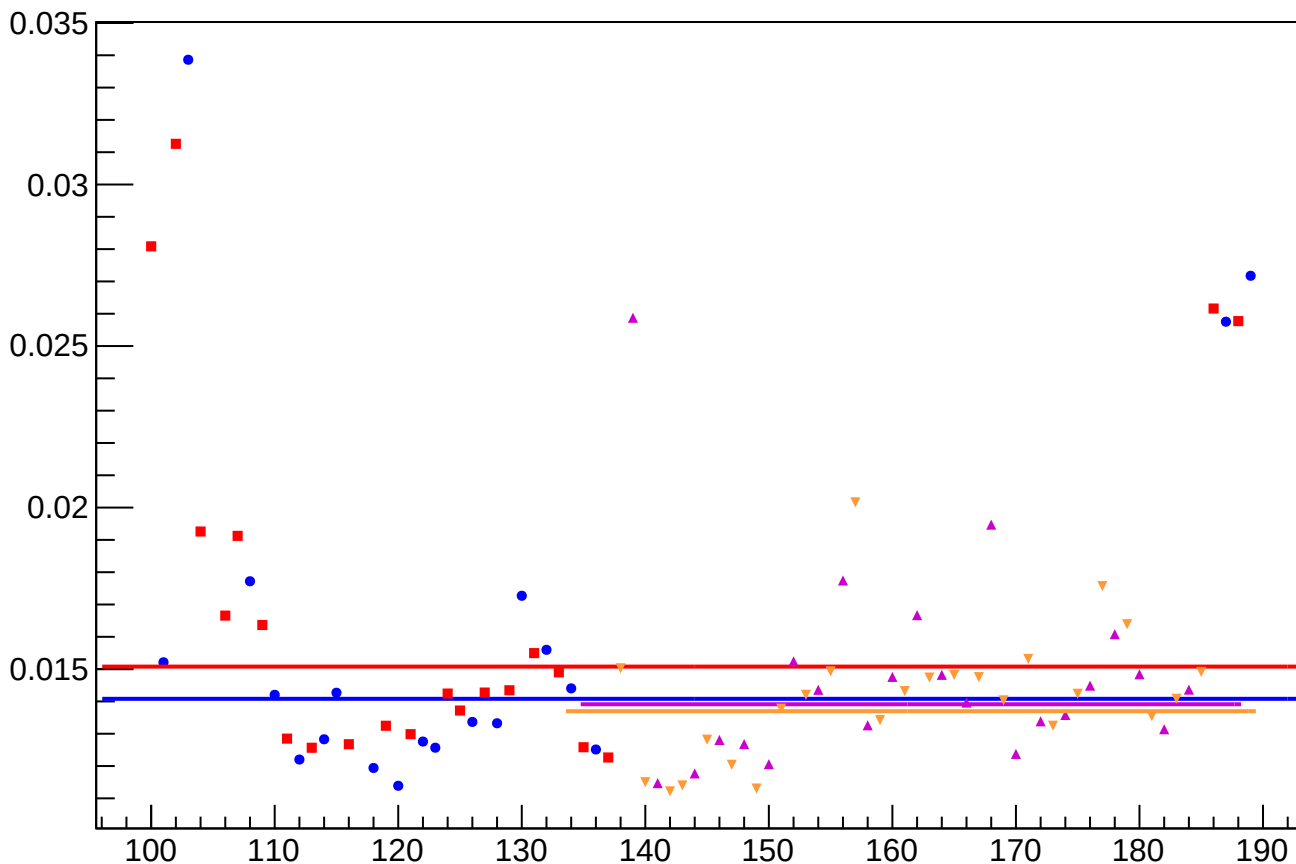
Right: 0.936 ± 0.000 χ^2/NDF : 565554772.0/39

In: 0.793 ± 0.000 χ^2/NDF : 1414229298.1/41

Out: 0.787 ± 0.000 χ^2/NDF : 1449990870.0/45

All: 0.790 ± 0.000 χ^2/NDF : 2866781886.4/87

yield_bpm11X_rms vs Slug, Sign Corrected



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

Left: 0.014 $\pm$ 0.000 χ^2/NDF : 1329255.3/47

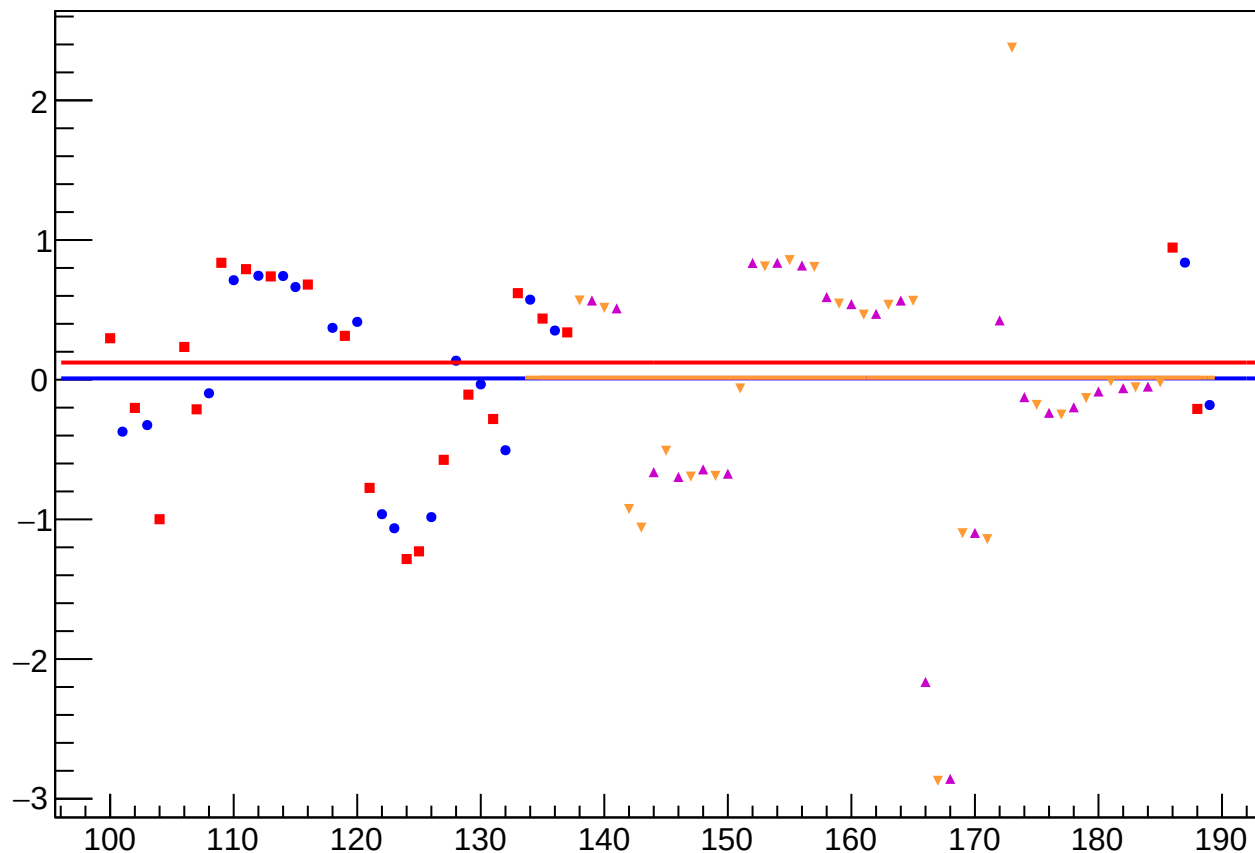
Right: 0.015 $\pm$ 0.000 χ^2/NDF : 1786202.5/39

In: 0.014 $\pm$ 0.000 χ^2/NDF : 1587023.1/41

Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1582024.0/45

All: 0.014 $\pm$ 0.000 χ^2/NDF : 3170264.4/87

yield_bpm11Y_mean vs Slug, Sign Corrected



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

Left: 0.014+/-0.000 χ^2/NDF : 175533691121.4/47

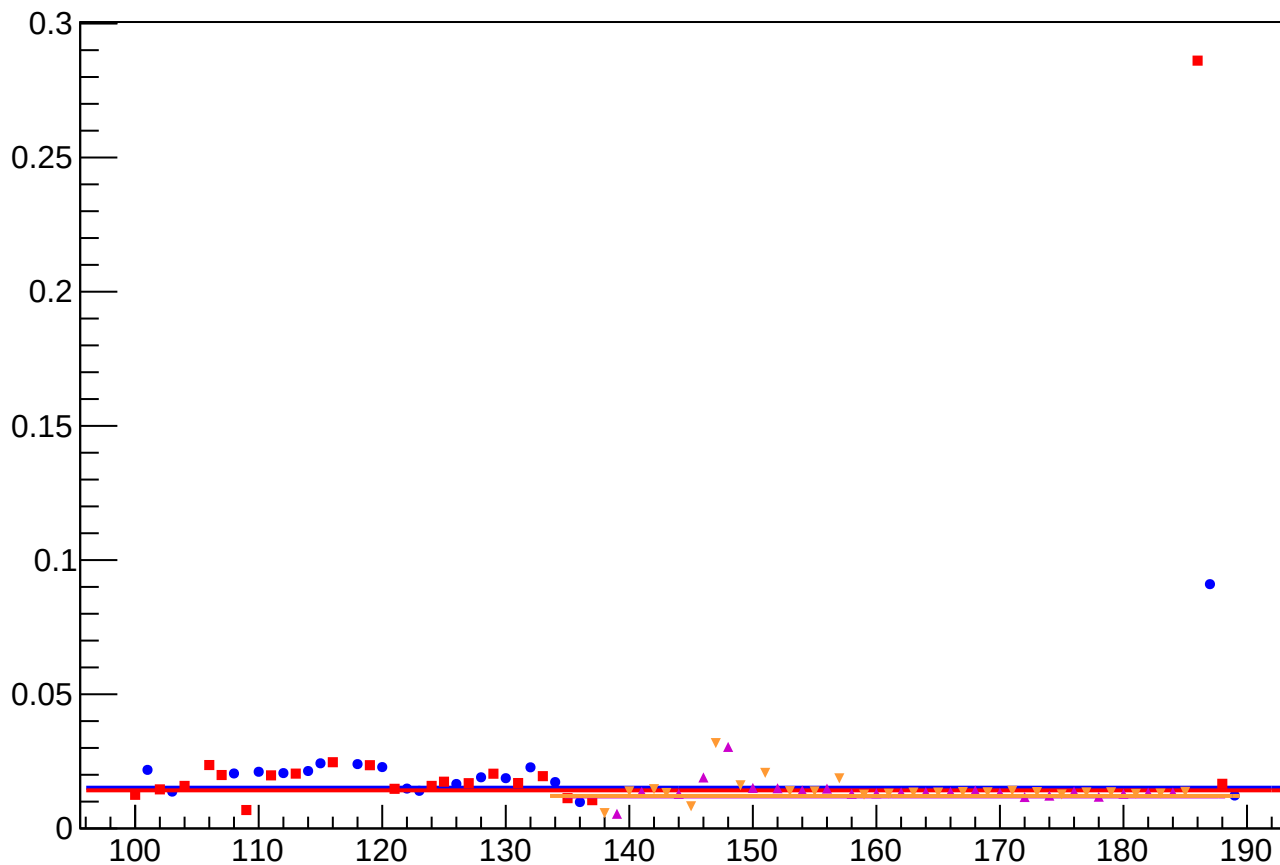
Right: 0.071+/-0.000 χ^2/NDF : 19614174376.1/39

In: 0.012+/-0.000 χ^2/NDF : 85850344561.1/41

Out: 0.038+/-0.000 χ^2/NDF : 109396691378.1/45

All: 0.026+/-0.000 χ^2/NDF : 195293357325.4

yield_bpm11Y_rms vs Slug, Sign Corrected



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

Left: 0.012 $\pm$ 0.000 χ^2 /NDF: 6217411.2/47

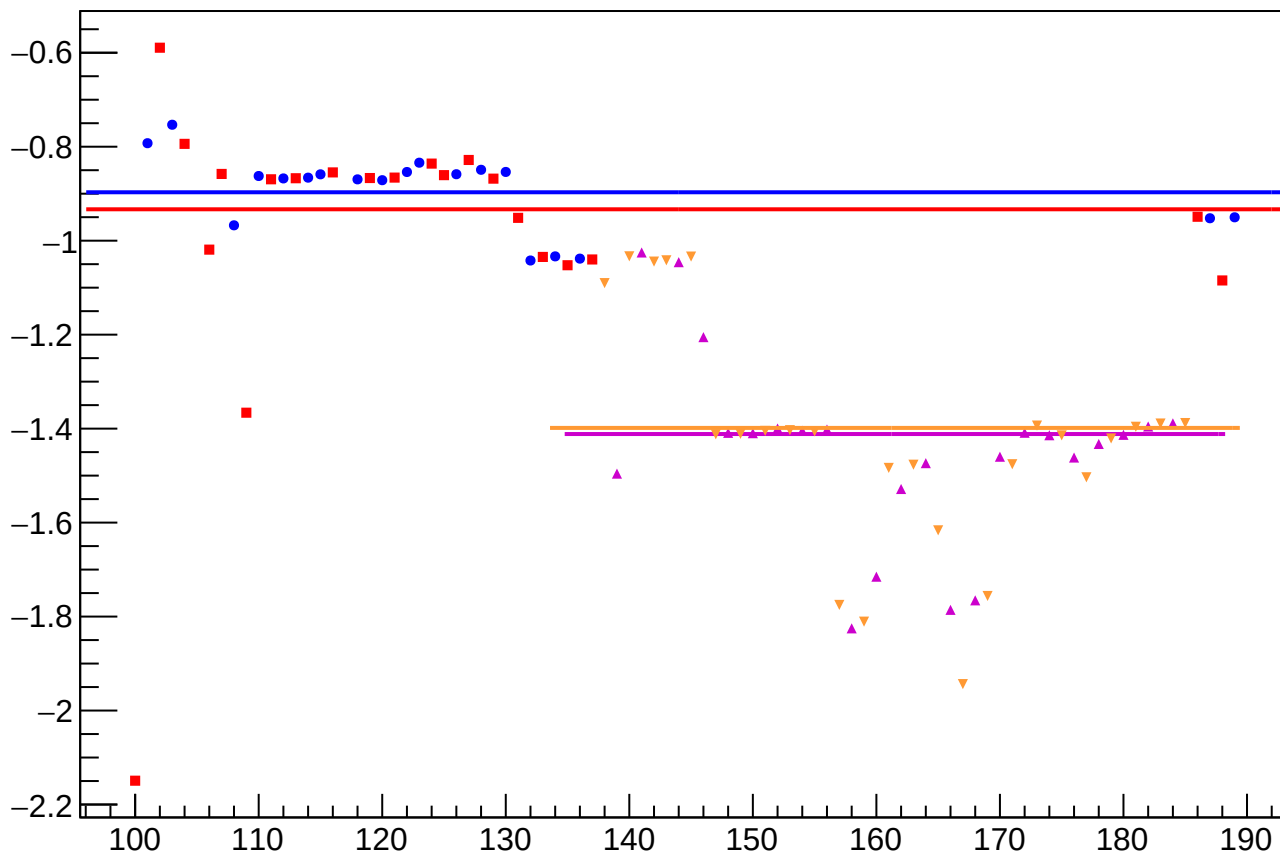
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 3620544.8/39

In: 0.013 $\pm$ 0.000 χ^2 /NDF:4920301.8/41

Out: 0.013 $\pm$ 0.000 χ^2 /NDF:5536242.6/45

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 10456559.5/87

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.897 ± 0.000 $\chi^2/\text{NDF}: 38418076.5/18$

Left Out: -1.398 ± 0.000 $\chi^2/\text{NDF}: 734579404.3/24$

Right Out: -0.933 ± 0.000 $\chi^2/\text{NDF}: 135175516.6/20$

Left In: -1.412 ± 0.000 $\chi^2/\text{NDF}: 512629872.4/22$

Left: -1.405 ± 0.000 $\chi^2/\text{NDF}: 1248268857.1/47$

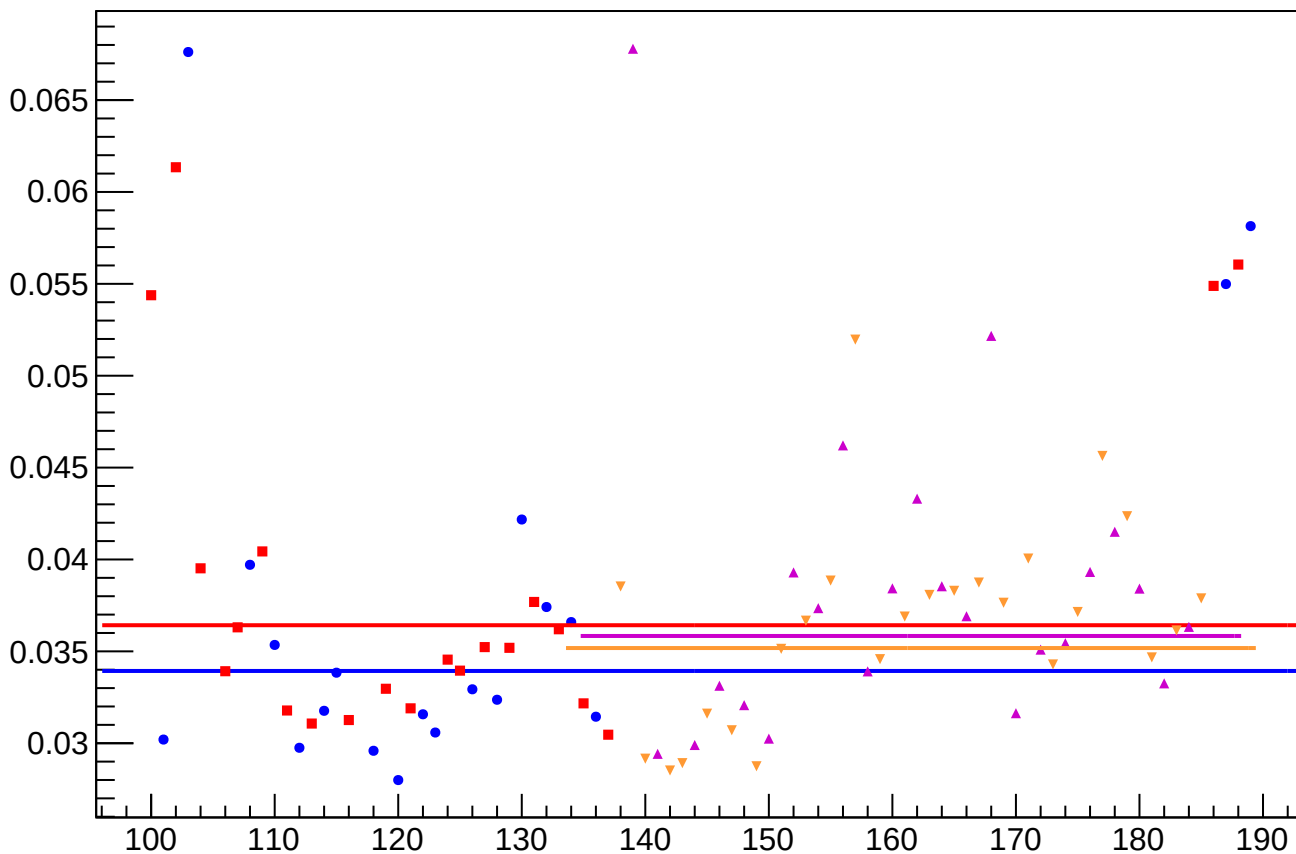
Right: -0.915 ± 0.000 $\chi^2/\text{NDF}: 177151435.8/39$

In: -1.251 ± 0.000 $\chi^2/\text{NDF}: 1538994678.2/41$

Out: -1.261 ± 0.000 $\chi^2/\text{NDF}: 1698479089.6/45$

All: -1.256 ± 0.000 $\chi^2/\text{NDF}: 3238386188.4/8$

yield_bpm12X_rms vs Slug, Sign Corrected



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

Left: 0.035 $\pm$ 0.000 χ^2 /NDF: 1494255.9/47

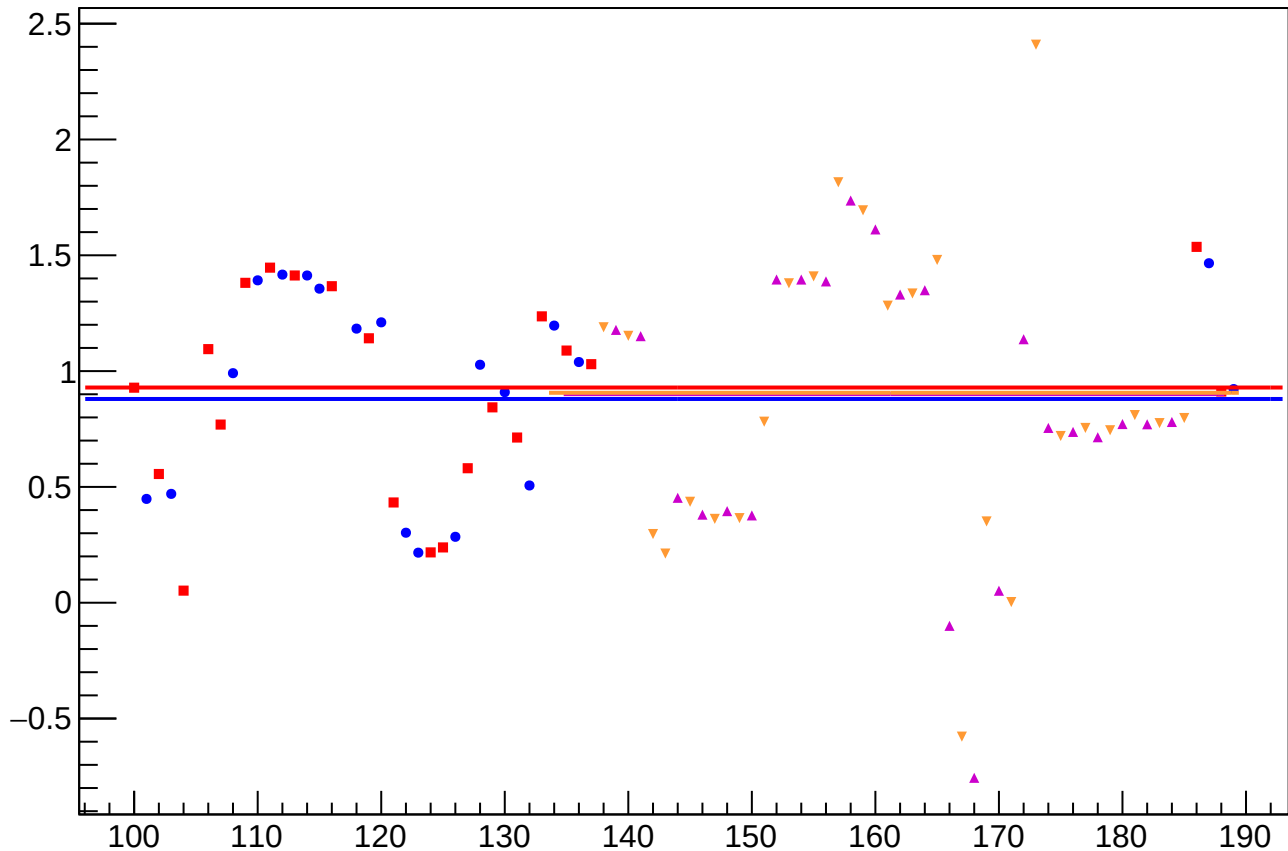
Right: 0.035 $\pm$ 0.000 χ^2 /NDF: 1212806.8/39

In: 0.035 $\pm$ 0.000 χ^2 /NDF: 1502872.1/41

Out: 0.036 $\pm$ 0.000 χ^2 /NDF: 1204075.0/45

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 2708582.9/87

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880 ± 0.000 χ^2/NDF : 6480799741.7/18

Left Out: 0.906 ± 0.000 χ^2/NDF : 84108410196.2/24

Right Out: 0.929 ± 0.000 χ^2/NDF : 9961005947.5/20

Left In: 0.901 ± 0.000 χ^2/NDF : 66932223067.8/22

Left: 0.904 ± 0.000 χ^2/NDF : 151044220035.9/47

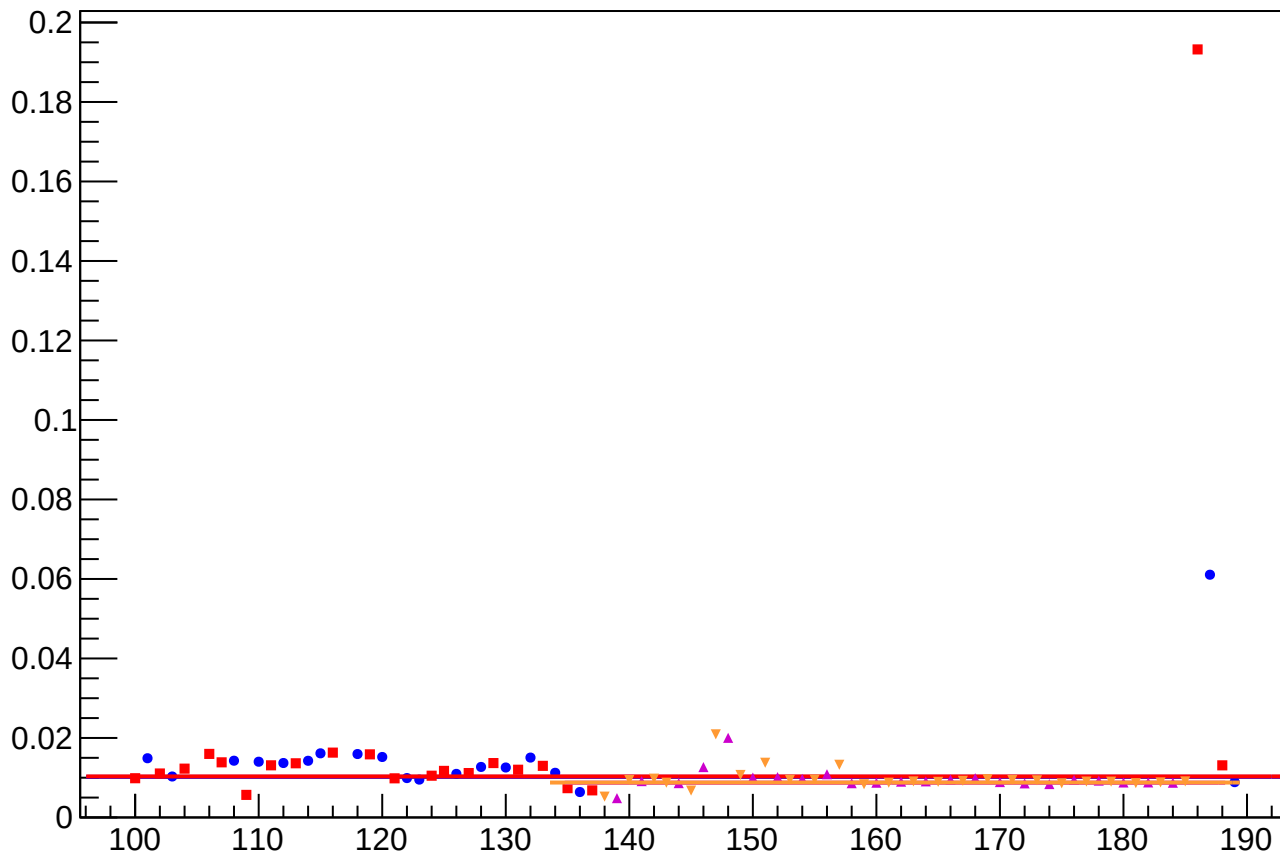
Right: 0.905 ± 0.000 χ^2/NDF : 16513279682.3/39

In: 0.896 ± 0.000 χ^2/NDF : 73432509204.9/41

Out: 0.911 ± 0.000 χ^2/NDF : 94093874604.6/45

All: 0.904 ± 0.000 χ^2/NDF : 167557750545.0

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1415700.3/18

Left Out: 0.009+/-0.000 χ^2/NDF : 1698526.2/24

Right Out: 0.010+/-0.000 χ^2/NDF : 1864161.7/20

Left In: 0.009+/-0.000 χ^2/NDF : 1669983.7/22

Left: 0.009+/-0.000 χ^2/NDF : 3369008.8/47

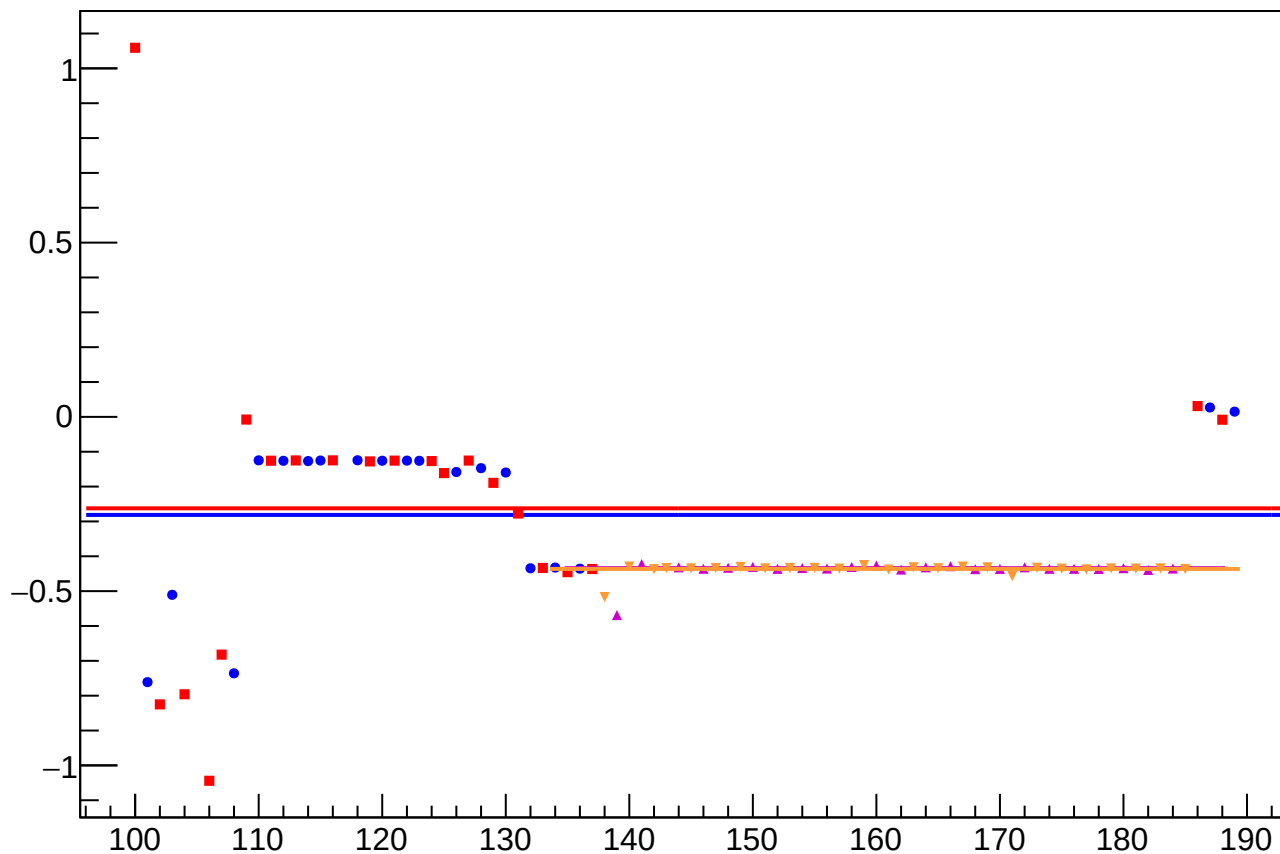
Right: 0.010+/-0.000 χ^2/NDF : 3280533.8/39

In: 0.009+/-0.000 χ^2/NDF : 3279710.2/41

Out: 0.009+/-0.000 χ^2/NDF : 3786484.9/45

All: 0.009+/-0.000 χ^2/NDF : 7067345.9/87

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.281 ± 0.000 $\chi^2/\text{NDF}: 914770478.3/18$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28776503.9/24$

Right Out: -0.262 ± 0.000 $\chi^2/\text{NDF}: 1009149970.4/20$

Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20164730.3/22$

Left: -0.435 ± 0.000 $\chi^2/\text{NDF}: 49321098.5/47$

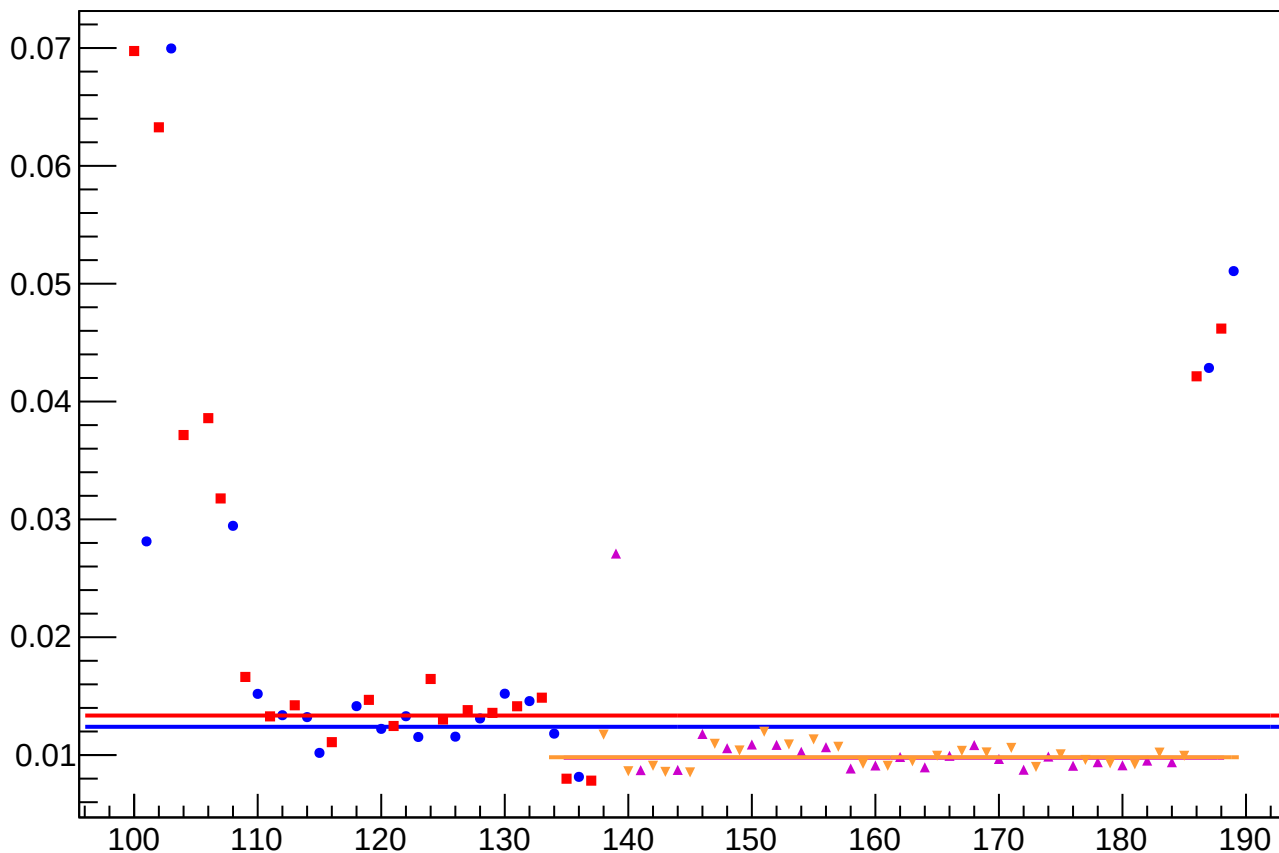
Right: -0.272 ± 0.000 $\chi^2/\text{NDF}: 1929431075.9/39$

In: -0.408 ± 0.000 $\chi^2/\text{NDF}: 1548063296.3/41$

Out: -0.409 ± 0.000 $\chi^2/\text{NDF}: 1809841608.0/45$

All: -0.408 ± 0.000 $\chi^2/\text{NDF}: 3358009223.9/8$

yield_bpm16X_rms vs Slug, Sign Corrected



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

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 1058038.1/47

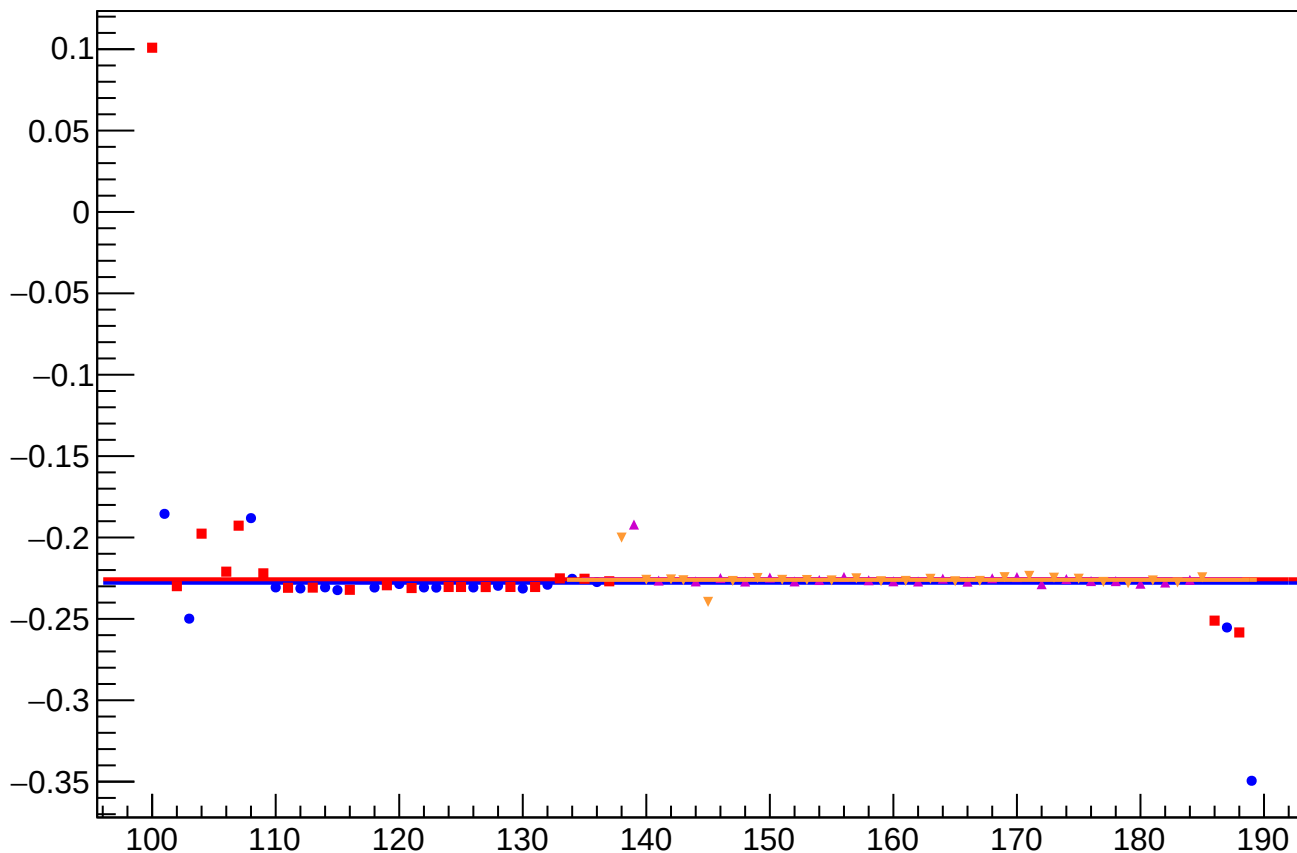
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 5515929.2/39

In: 0.010 $\pm$ 0.000 χ^2 /NDF:3461774.0/41

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:4086641.4/45

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7552617.7/87

yield_bpm16Y_mean vs Slug, Sign Corrected



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

Left: -0.226+/-0.000 χ^2/NDF : 34951372.2/47

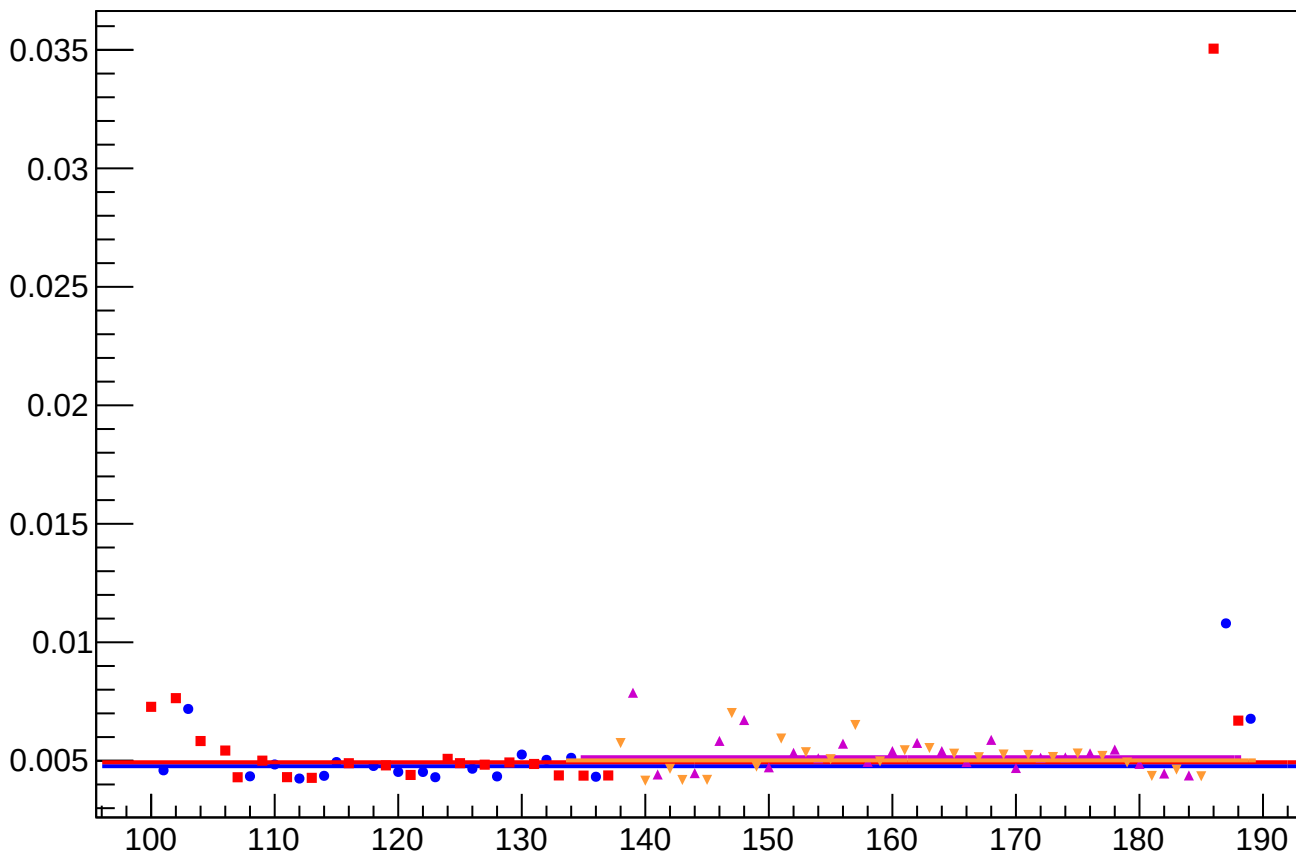
Right: -0.227+/-0.000 χ^2/NDF : 399791110.4/39

In: -0.226+/-0.000 χ^2/NDF : 224339708.7/41

Out: -0.226+/-0.000 χ^2/NDF : 210575693.2/45

All: -0.226+/-0.000 χ^2/NDF : 435018842.7/87

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 341689.7/18

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 901678.7/20

Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

Left: 0.005+/-0.000 χ^2/NDF : 1048260.0/47

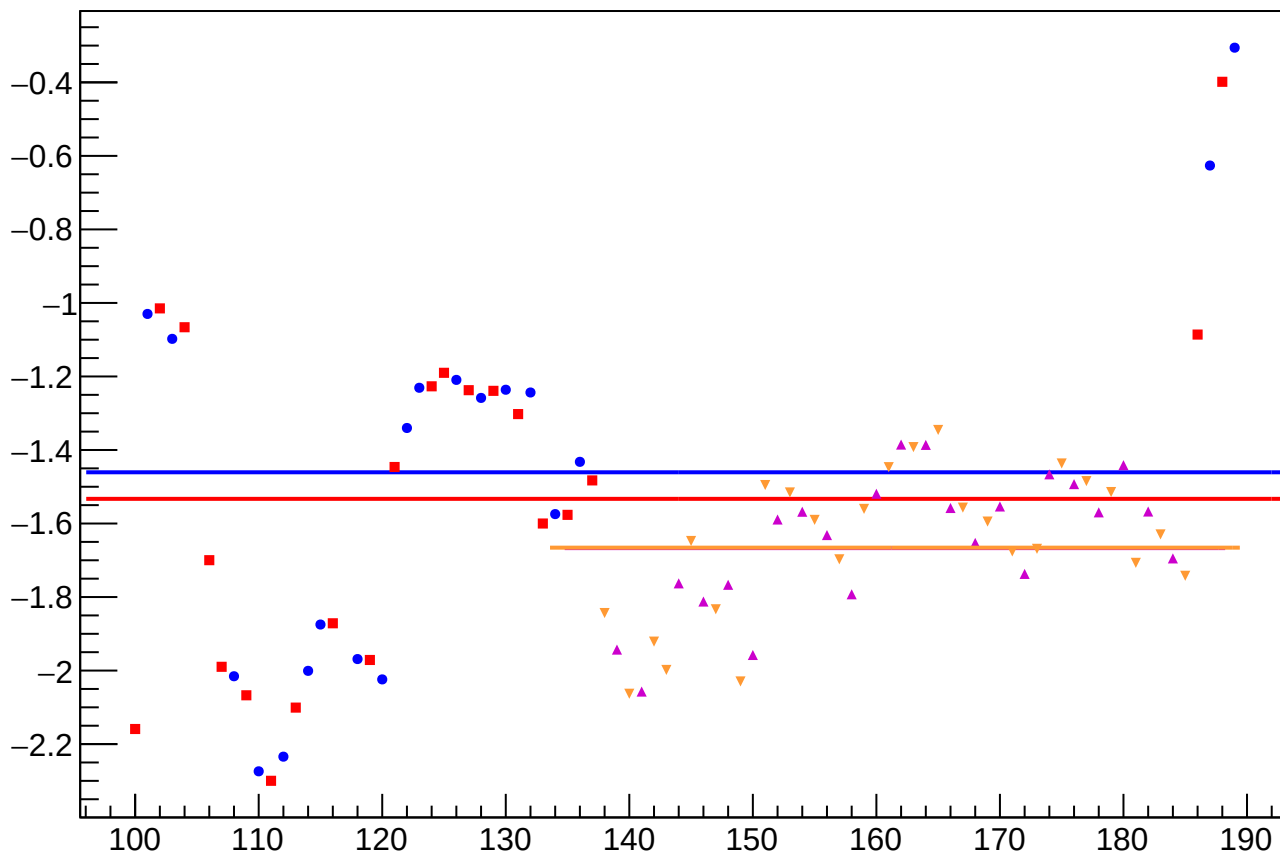
Right: 0.005+/-0.000 χ^2/NDF : 1251390.8/39

In: 0.005+/-0.000 χ^2/NDF : 901195.0/41

Out: 0.005+/-0.000 χ^2/NDF : 1436837.8/45

All: 0.005+/-0.000 χ^2/NDF : 2339433.8/87

yield_bpm0l01X_mean vs Slug, Sign Corrected



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

Left: -1.666+/-0.000 χ^2/NDF : 32983827631.4/47

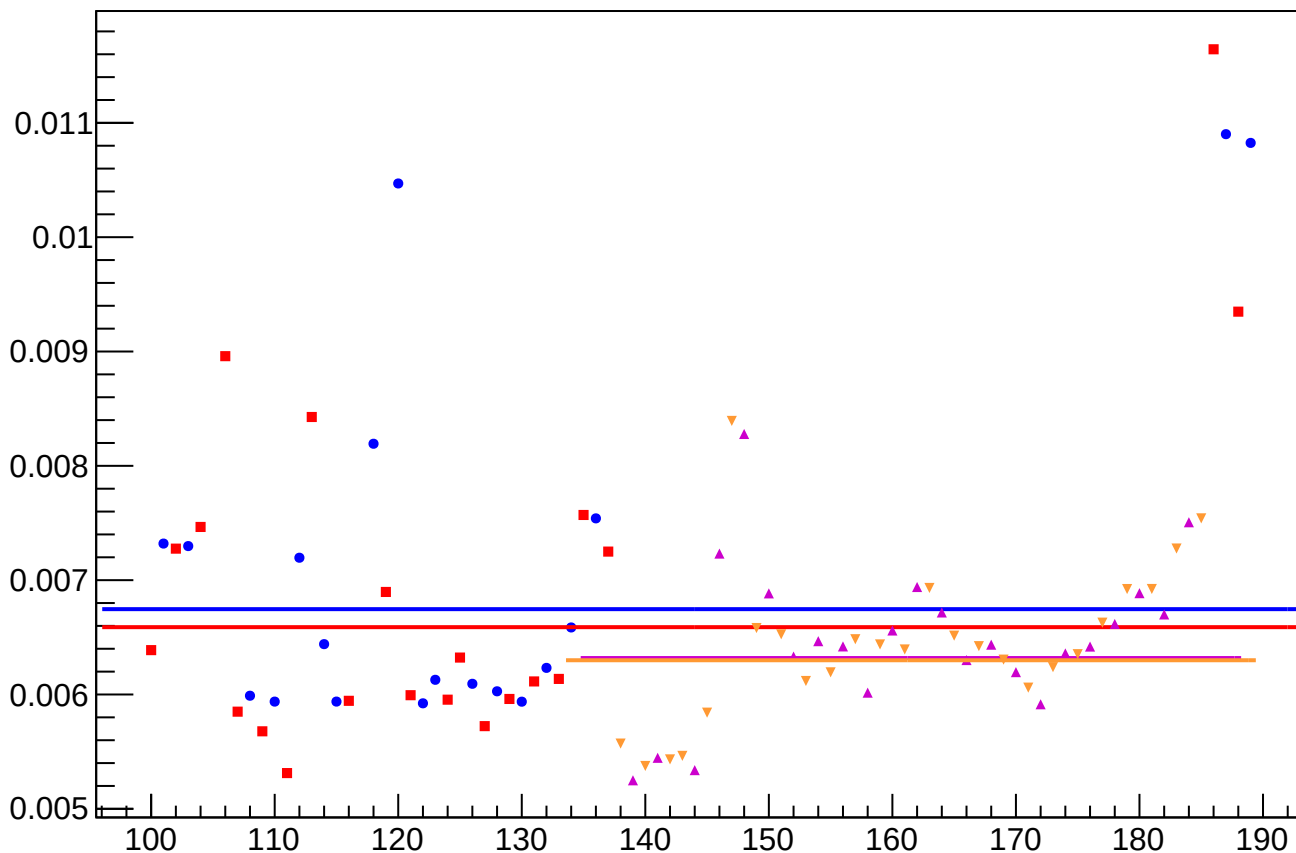
Right: -1.501+/-0.000 χ^2/NDF : 70305693530.0/39

In: -1.614+/-0.000 χ^2/NDF : 47123143914.6/41

Out: -1.628+/-0.000 χ^2/NDF : 62483140745.7/45

All: -1.621+/-0.000 χ^2/NDF : 109662714208.6

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 357638.9/18

Left Out: 0.006+/-0.000 χ^2/NDF :312811.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 526461.0/20

Left In: 0.006+/-0.000 χ^2/NDF :334332.4/22

Left: 0.006+/-0.000 χ^2/NDF : 647302.7/47

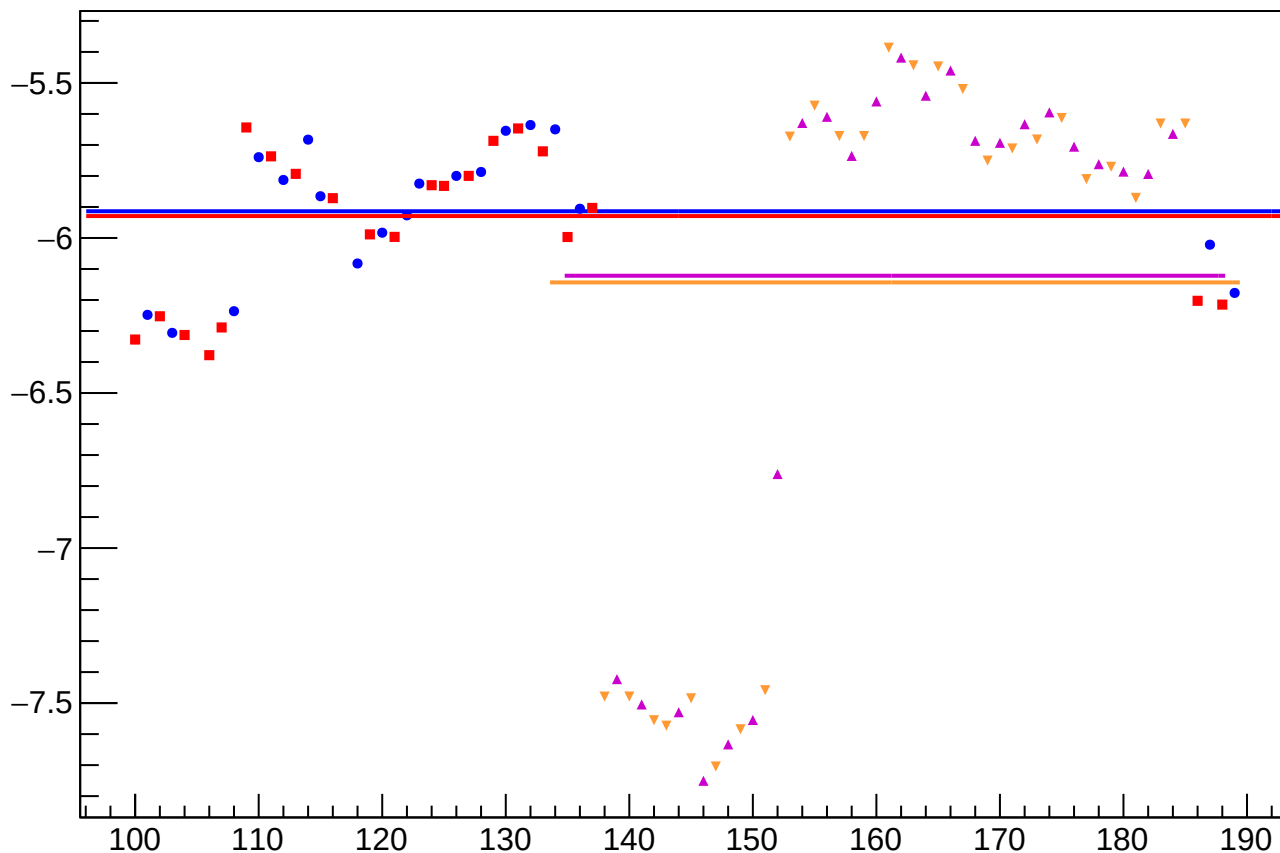
Right: 0.007+/-0.000 χ^2/NDF : 888007.7/39

In: 0.006+/-0.000 χ^2/NDF :730784.1/41

Out: 0.006+/-0.000 χ^2/NDF :860318.4/45

All: 0.006+/-0.000 χ^2/NDF : 1592376.9/87

yield_bpm0l01Y_mean vs Slug, Sign Corrected



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

Left: -6.133+/-0.000 χ^2/NDF : 345689393988.1/47

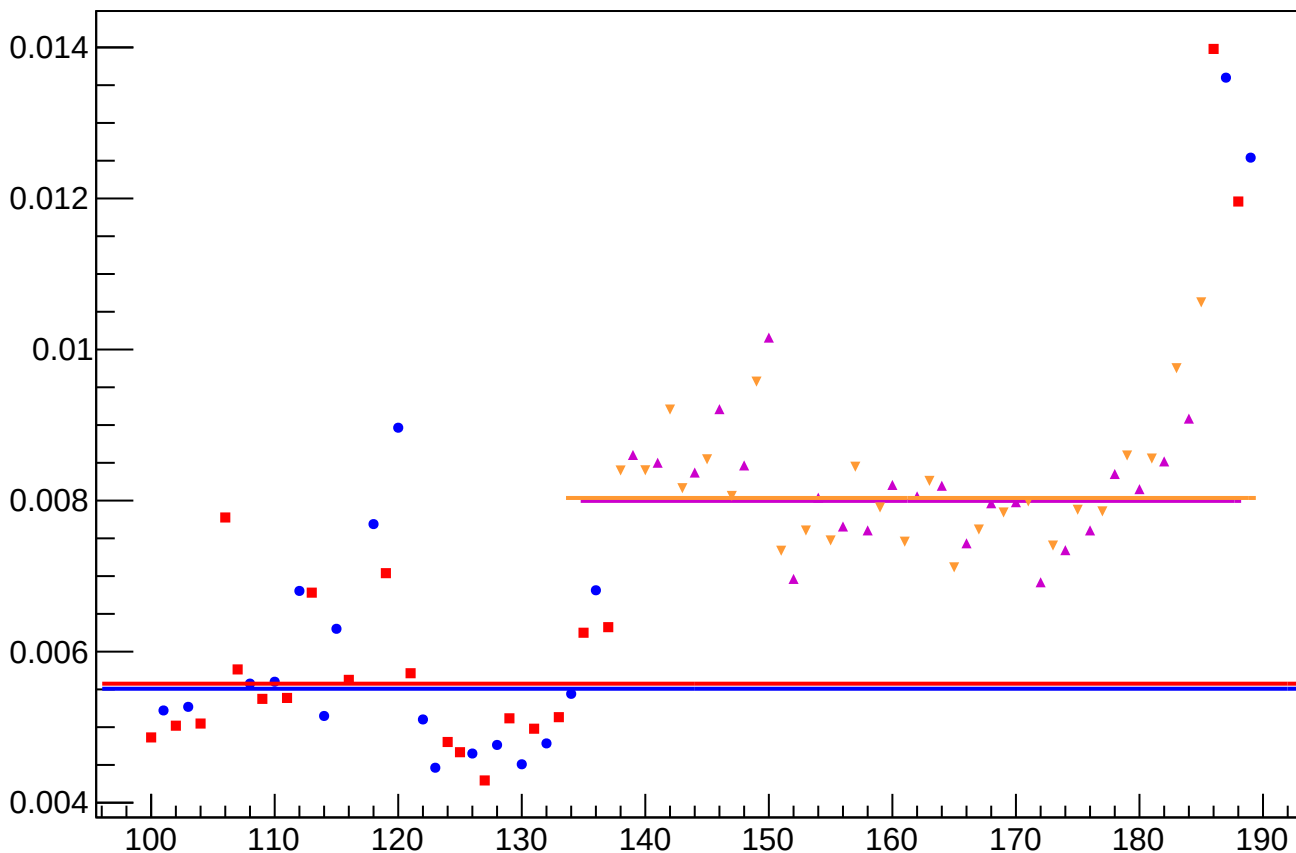
Right: -5.922+/-0.000 χ^2/NDF : 24784652247.4/39

In: -6.028+/-0.000 χ^2/NDF : 176068929056.2/41

Out: -6.042+/-0.000 χ^2/NDF : 204751181911.2/45

All: -6.035+/-0.000 χ^2/NDF : 380868151478.8

yield_bpm0l01Y_rms vs Slug, Sign Corrected



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

Left: 0.008+/-0.000 χ^2/NDF : 426558.9/47

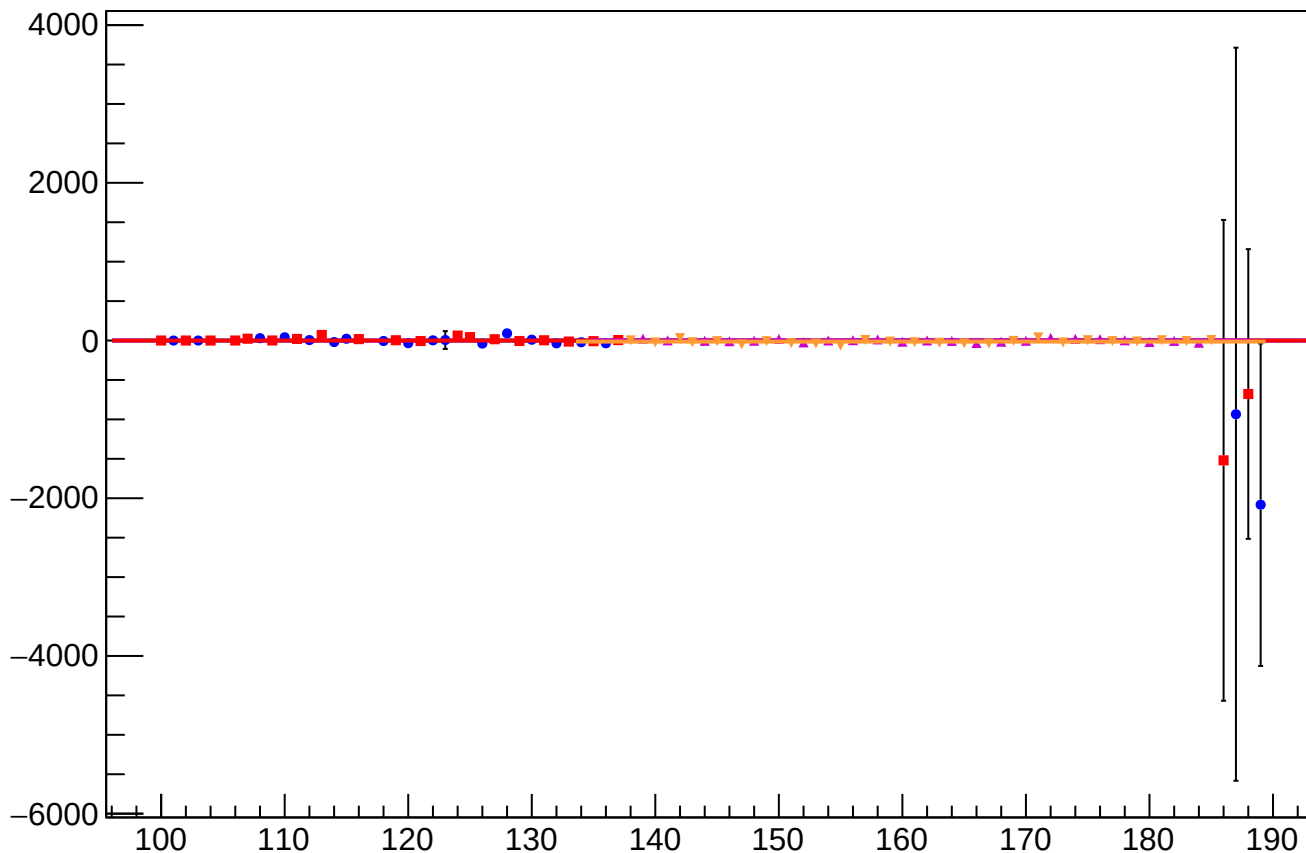
Right: 0.006+/-0.000 χ^2/NDF : 1722663.2/39

In: 0.007+/-0.000 χ^2/NDF :2320829.5/41

Out: 0.007+/-0.000 χ^2/NDF :2688643.3/45

All: 0.007+/-0.000 χ^2/NDF : 5009472.9/87

diff_cav4bX_mean vs Slug, Sign Corrected



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

Left: -6.758 $\pm$ 2.015 χ^2 /NDF: 99.2/47

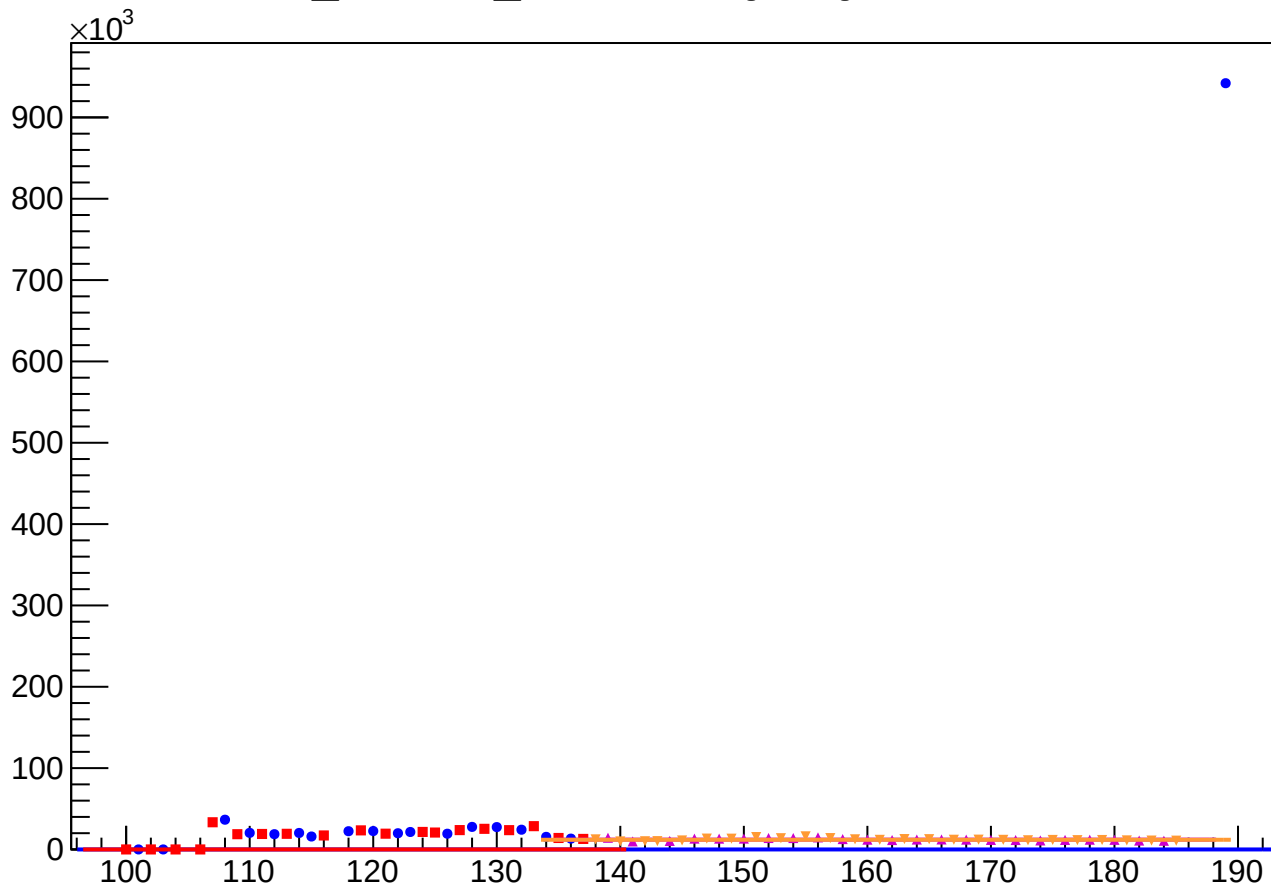
Right: 0.004 $\pm$ 0.012 χ^2 /NDF: 33.2/39

In: 0.013 $\pm$ 0.017 χ^2 /NDF: 46.1/41

Out: -0.004 $\pm$ 0.016 χ^2 /NDF: 97.0/45

All: 0.004 $\pm$ 0.012 χ^2 /NDF: 143.6/87

diff_cav4bX_rms vs Slug, Sign Corrected



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

Left: 11984.125 $\pm$ 1.425 χ^2 /NDF: 850831.6/47

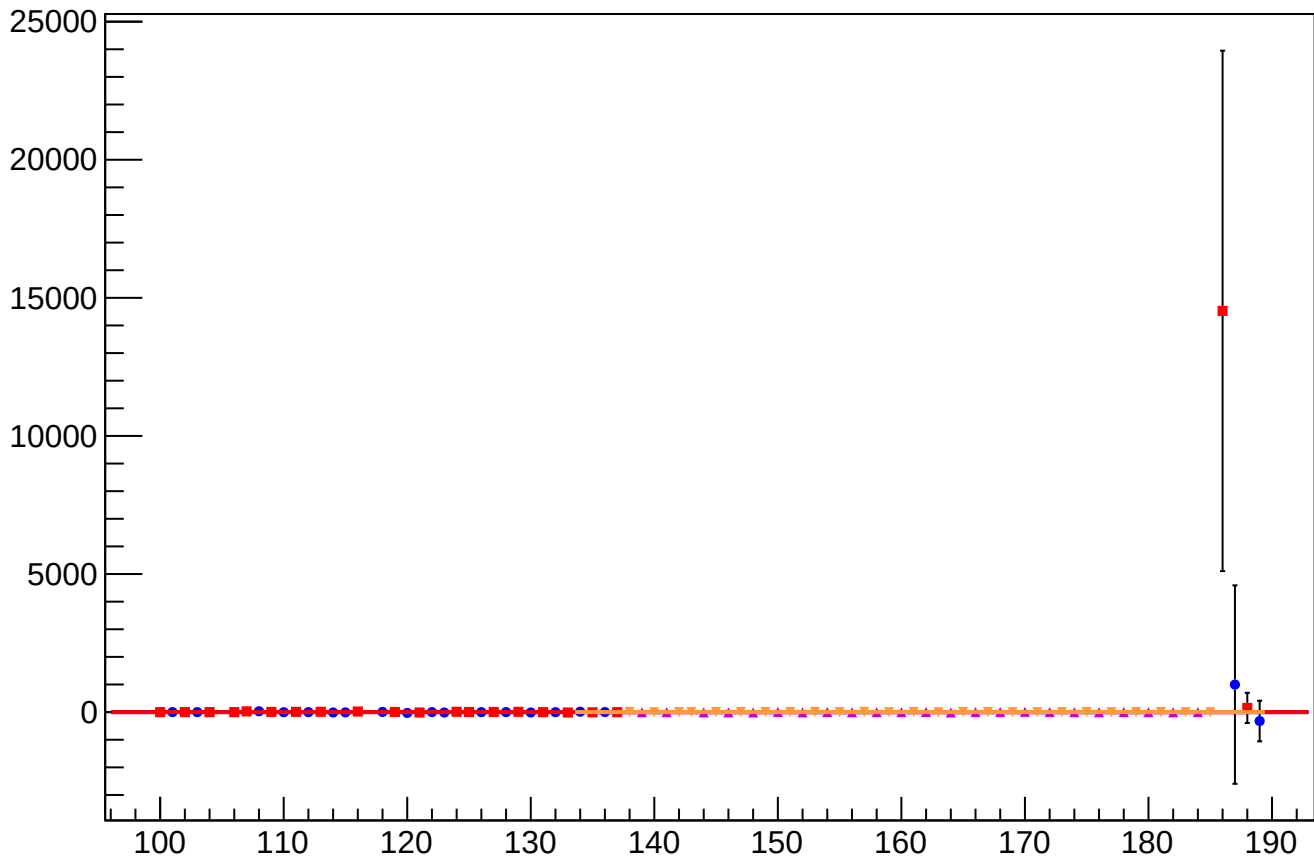
Right: 18.463 $\pm$ 0.008 χ^2 /NDF: 22039209.8/36

In: 19.069 $\pm$ 0.012 χ^2 /NDF: 45733258.4/40

Out: 18.704 $\pm$ 0.011 χ^2 /NDF: 47698495.9/43

All: 18.873 $\pm$ 0.008 χ^2 /NDF: 93432232.0/84

diff_cav4bY_mean vs Slug, Sign Corrected



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

Left: 0.443 $\pm$ 0.730 χ^2 /NDF: 56.5/47

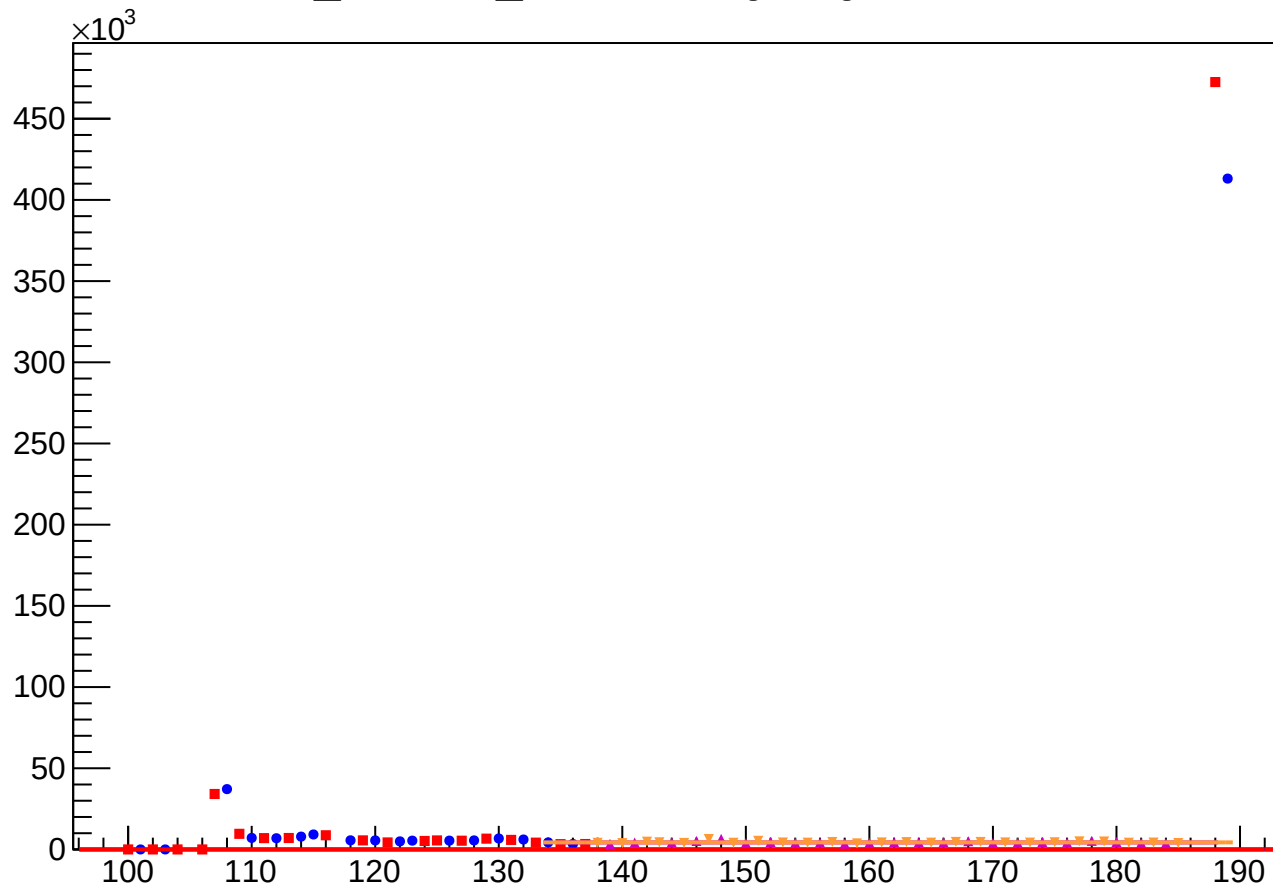
Right: -0.007 $\pm$ 0.006 χ^2 /NDF: 37.4/39

In: 0.001 $\pm$ 0.009 χ^2 /NDF:51.2/41

Out: -0.014 $\pm$ 0.009 χ^2 /NDF:41.7/45

All: -0.007 $\pm$ 0.006 χ^2 /NDF: 94.3/87

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 ± 0.007 χ^2/NDF : 11534475.0/17

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.854 ± 0.006 χ^2/NDF : 12579164.5/19

Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

Left: 4332.940 ± 0.516 χ^2/NDF : 920558.3/47

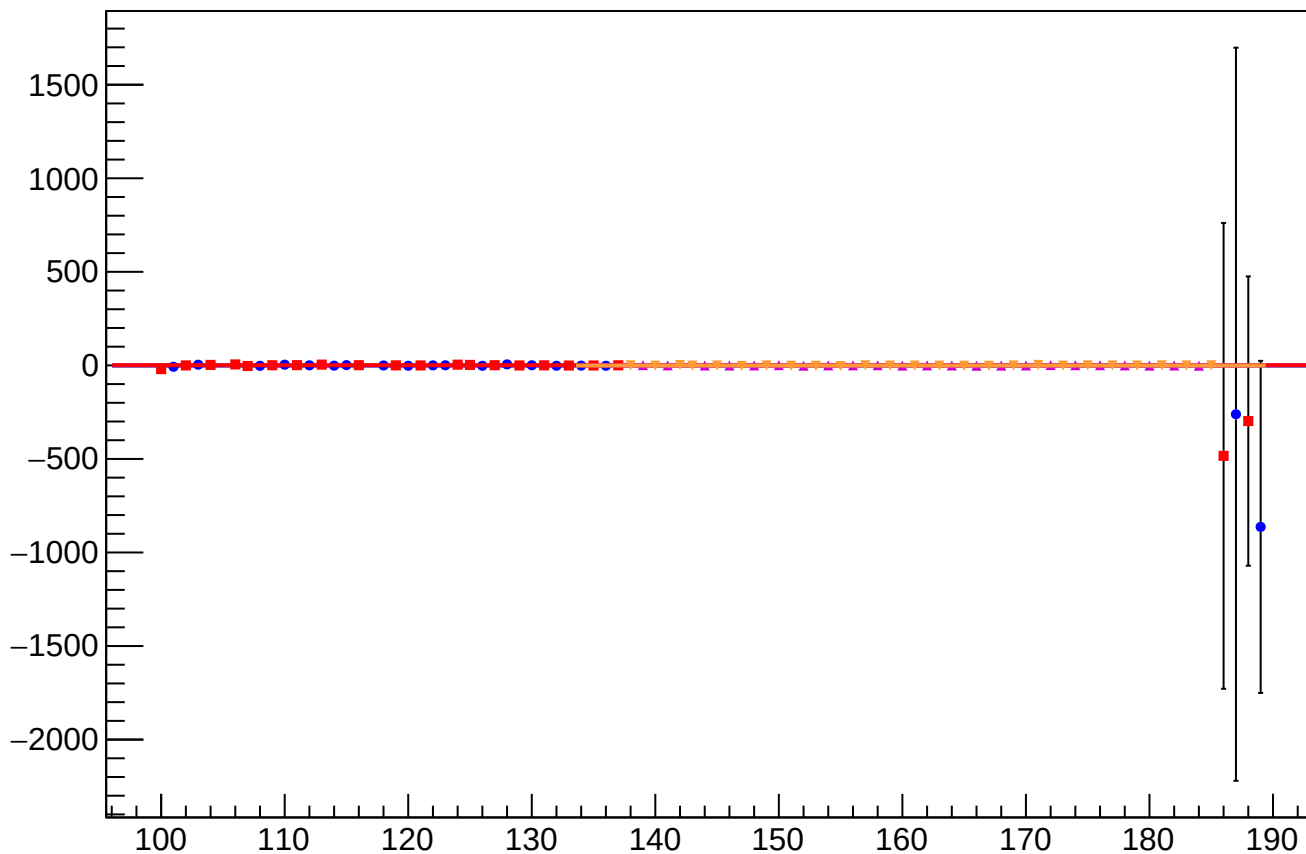
Right: 9.893 ± 0.004 χ^2/NDF : 24113727.4/37

In: 10.273 ± 0.007 χ^2/NDF : 46130506.6/40

Out: 10.166 ± 0.006 χ^2/NDF : 49108895.6/44

All: 10.216 ± 0.004 χ^2/NDF : 95239546.2/85

diff_cav4cX_mean vs Slug, Sign Corrected



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

Left: -0.391 $\pm$ 0.118 χ^2/NDF : 98.9/47

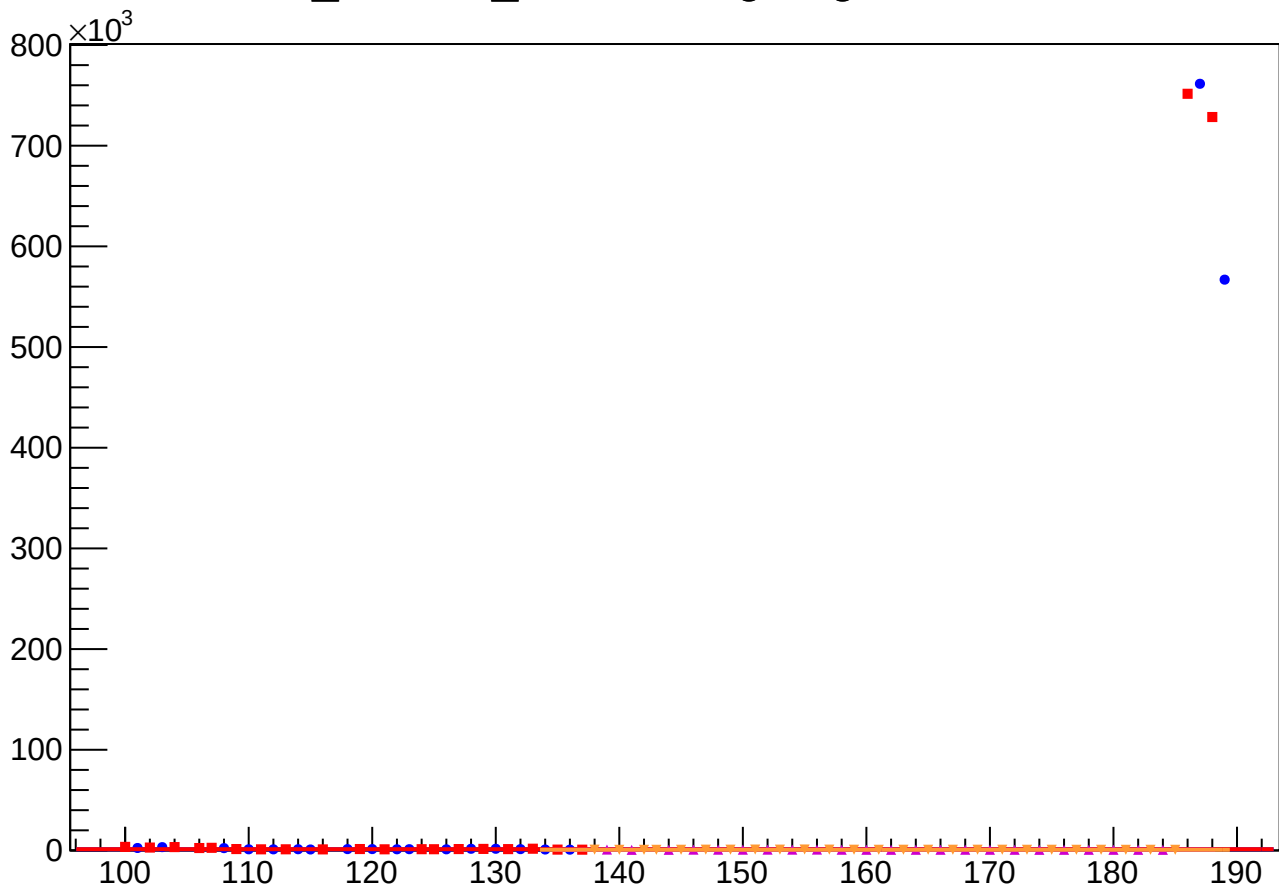
Right: 0.004 $\pm$ 0.349 χ^2/NDF : 39.9/39

In: -0.059 $\pm$ 0.161 χ^2/NDF : 54.7/41

Out: -0.626 $\pm$ 0.156 χ^2/NDF : 78.9/45

All: -0.350 $\pm$ 0.112 χ^2/NDF : 139.9/87

diff_cav4cX_rms vs Slug, Sign Corrected



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

Left: 703.766 $\pm$ 0.084 χ^2 /NDF: 732052.1/47

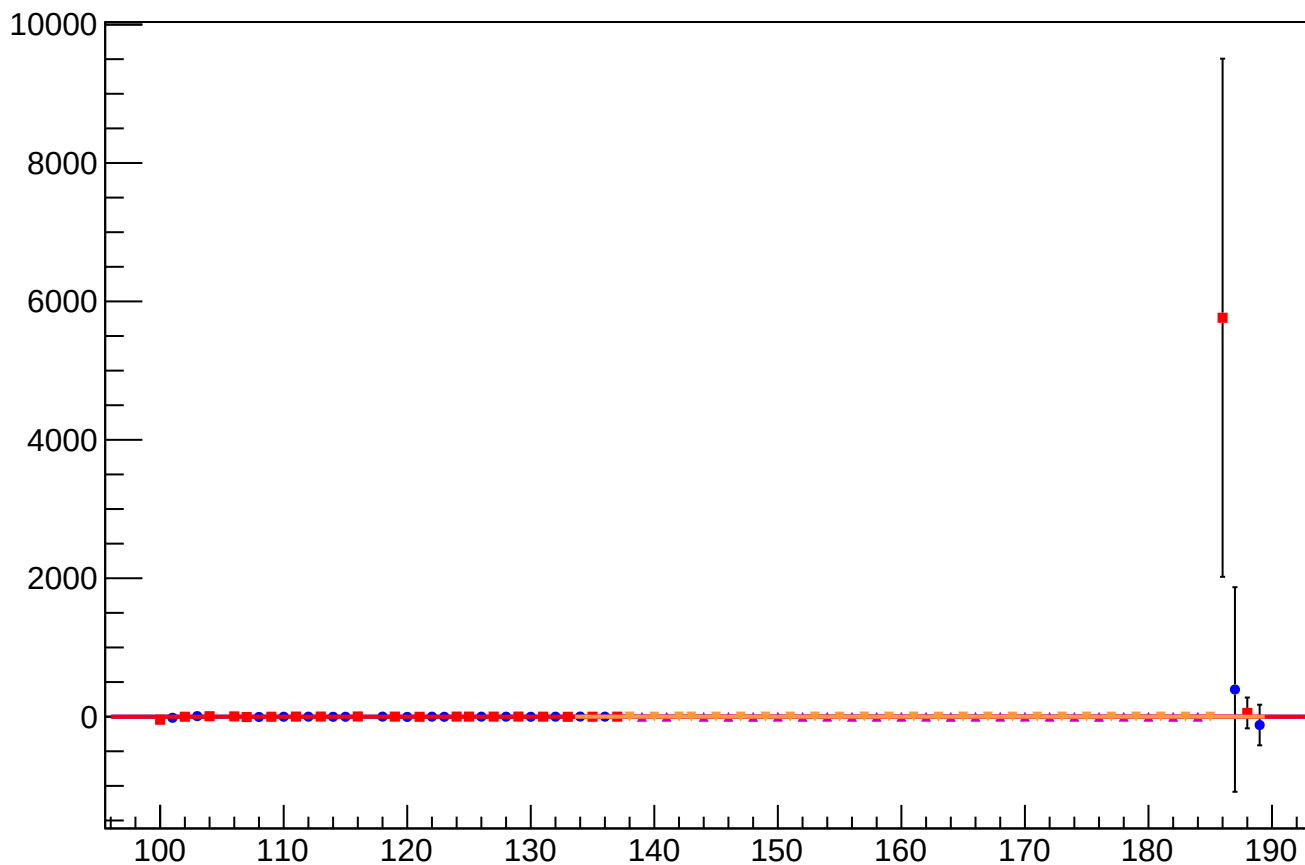
Right: 1205.587 $\pm$ 0.247 χ^2 /NDF: 6842462.0/39

In: 757.068 $\pm$ 0.114 χ^2 /NDF: 4622726.0/41

Out: 753.889 $\pm$ 0.110 χ^2 /NDF: 6664078.9/45

All: 755.434 $\pm$ 0.079 χ^2 /NDF: 11287207.9/87

diff_cav4cY_mean vs Slug, Sign Corrected



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

Left: 0.065 ± 0.088 χ^2/NDF : 56.6/47

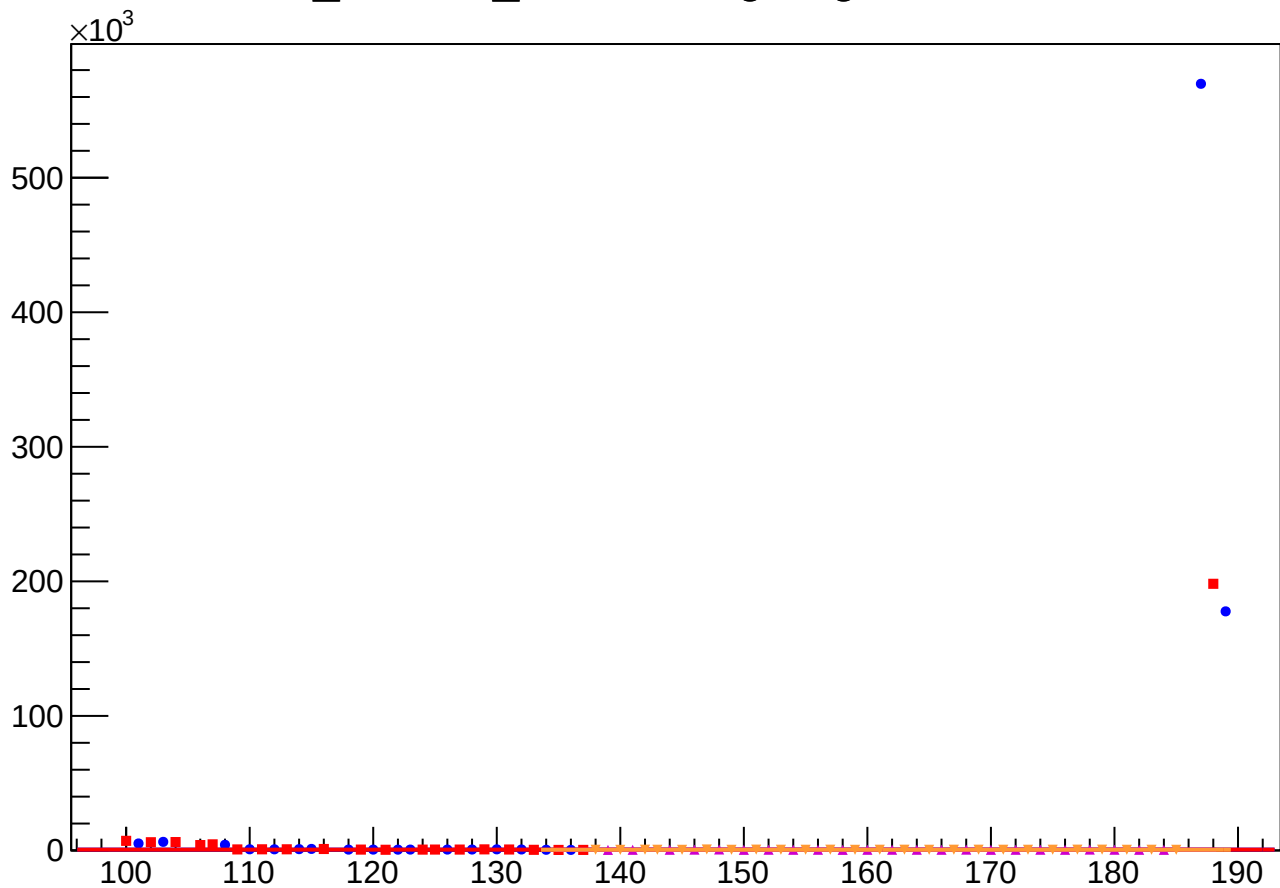
Right: -0.154 ± 0.189 χ^2/NDF : 44.5/39

In: -0.105 ± 0.114 χ^2/NDF : 56.2/41

Out: 0.152 ± 0.111 χ^2/NDF : 43.4/45

All: 0.026 ± 0.080 χ^2/NDF : 102.2/87

diff_cav4cY_rms vs Slug, Sign Corrected



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

Left: 521.193 $\pm$ 0.062 χ^2 /NDF: 776728.3/47

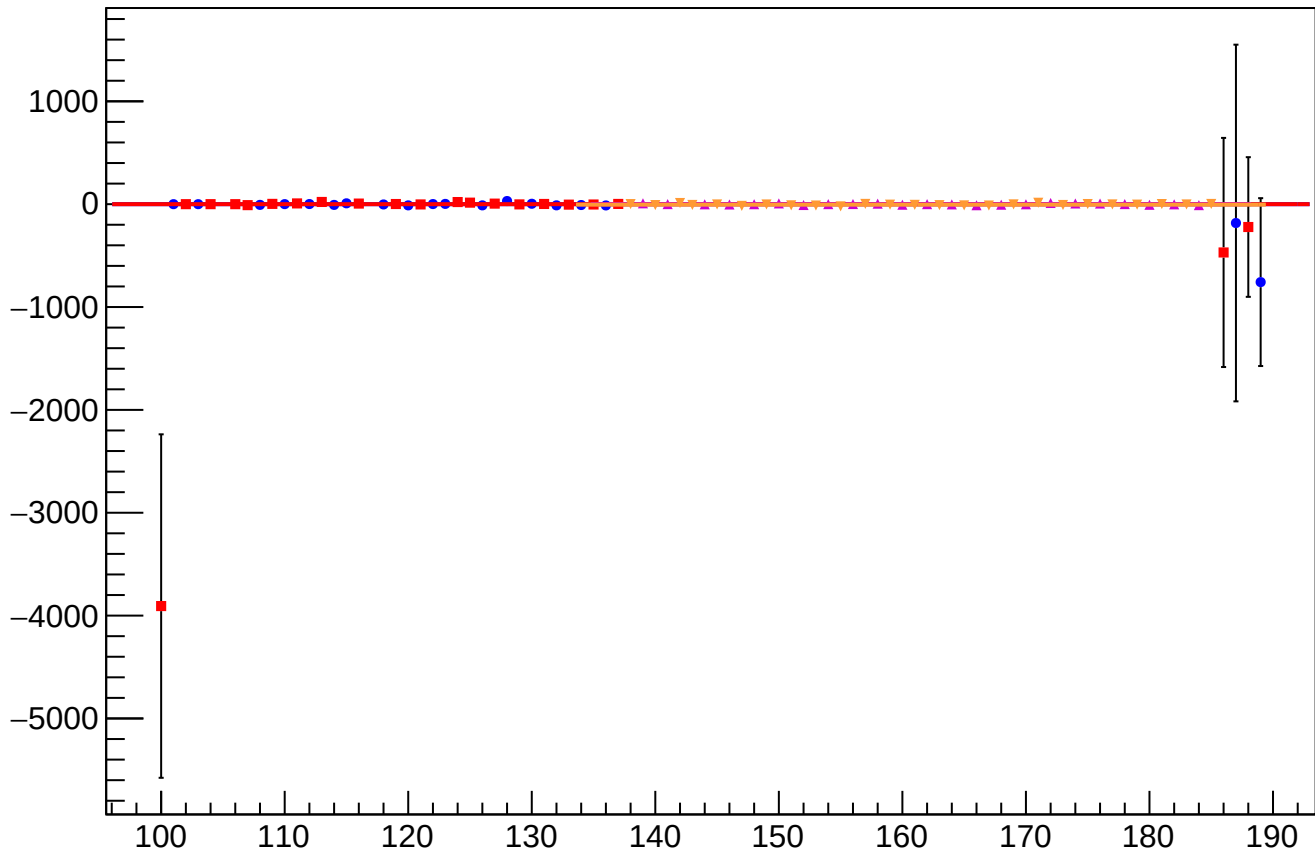
Right: 604.284 $\pm$ 0.134 χ^2 /NDF: 9289993.5/38

In: 535.639 $\pm$ 0.081 χ^2 /NDF: 4785555.3/41

Out: 536.085 $\pm$ 0.079 χ^2 /NDF: 5598547.0/44

All: 535.867 $\pm$ 0.056 χ^2 /NDF: 10384118.0/86

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 $\chi^2/\text{NDF}: 16.5/18$

Left Out: -4.474 ± 0.956 $\chi^2/\text{NDF}: 58.2/24$

Right Out: 0.027 ± 0.020 $\chi^2/\text{NDF}: 17.1/20$

Left In: 0.193 ± 0.990 $\chi^2/\text{NDF}: 29.2/22$

Left: -2.224 ± 0.688 $\chi^2/\text{NDF}: 99.0/47$

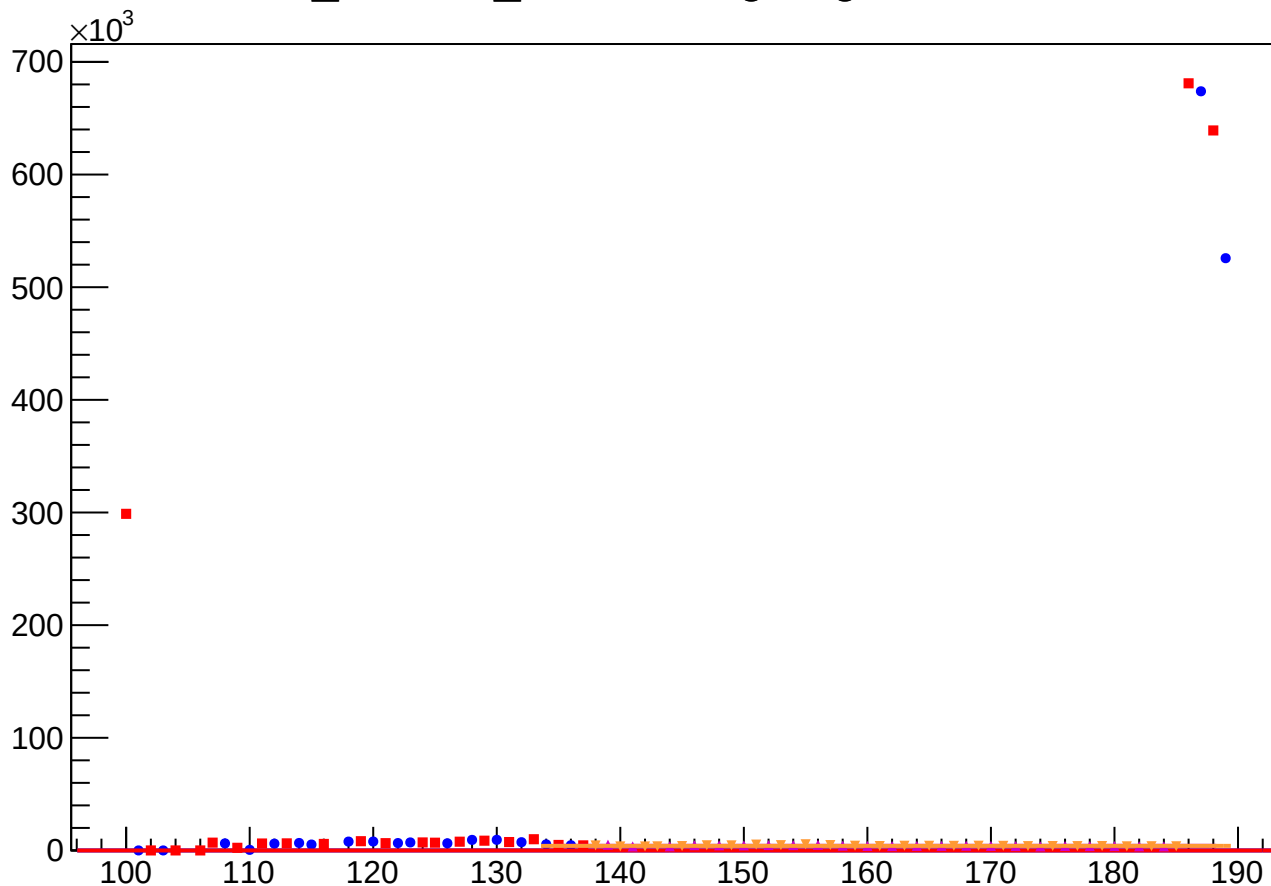
Right: 0.004 ± 0.014 $\chi^2/\text{NDF}: 36.4/39$

In: -0.022 ± 0.021 $\chi^2/\text{NDF}: 45.8/41$

Out: 0.025 ± 0.020 $\chi^2/\text{NDF}: 97.5/45$

All: 0.003 ± 0.014 $\chi^2/\text{NDF}: 145.9/87$

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.336+/-0.015 χ^2/NDF : 11447676.3/18

Left Out: 4074.257+/-0.676 χ^2/NDF : 416916.0/24

Right Out: 17.268+/-0.014 χ^2/NDF : 13278605.5/20

Left In: 4113.744+/-0.700 χ^2/NDF : 354965.8/22

Left: 4093.298+/-0.486 χ^2/NDF : 773528.6/47

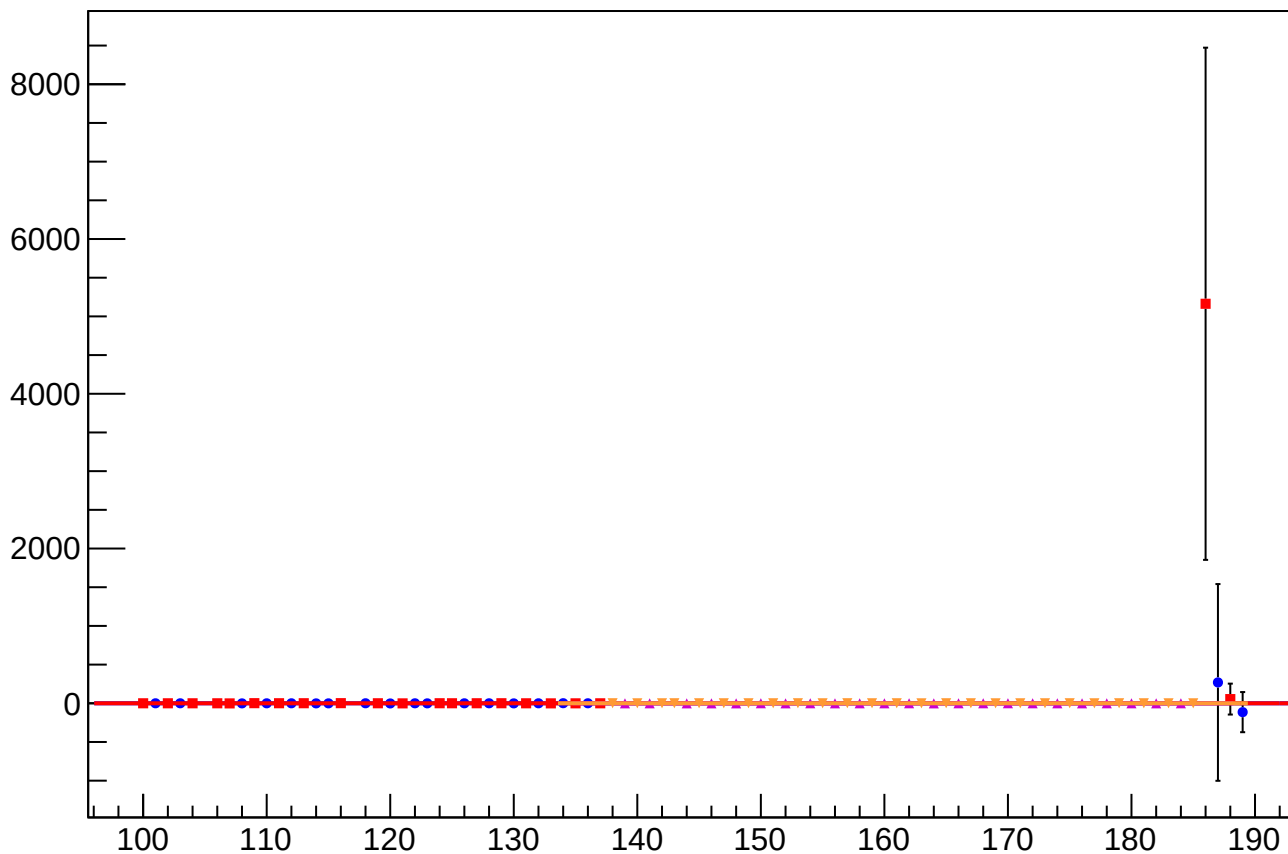
Right: 17.300+/-0.010 χ^2/NDF : 24726293.0/39

In: 19.142+/-0.015 χ^2/NDF : 46016917.4/41

Out: 19.005+/-0.014 χ^2/NDF : 49731587.6/45

All: 19.070+/-0.010 χ^2/NDF : 95748550.5/87

diff_cav4dY_mean vs Slug, Sign Corrected



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

Left: 0.041 $\pm$ 0.055 χ^2 /NDF: 55.8/47

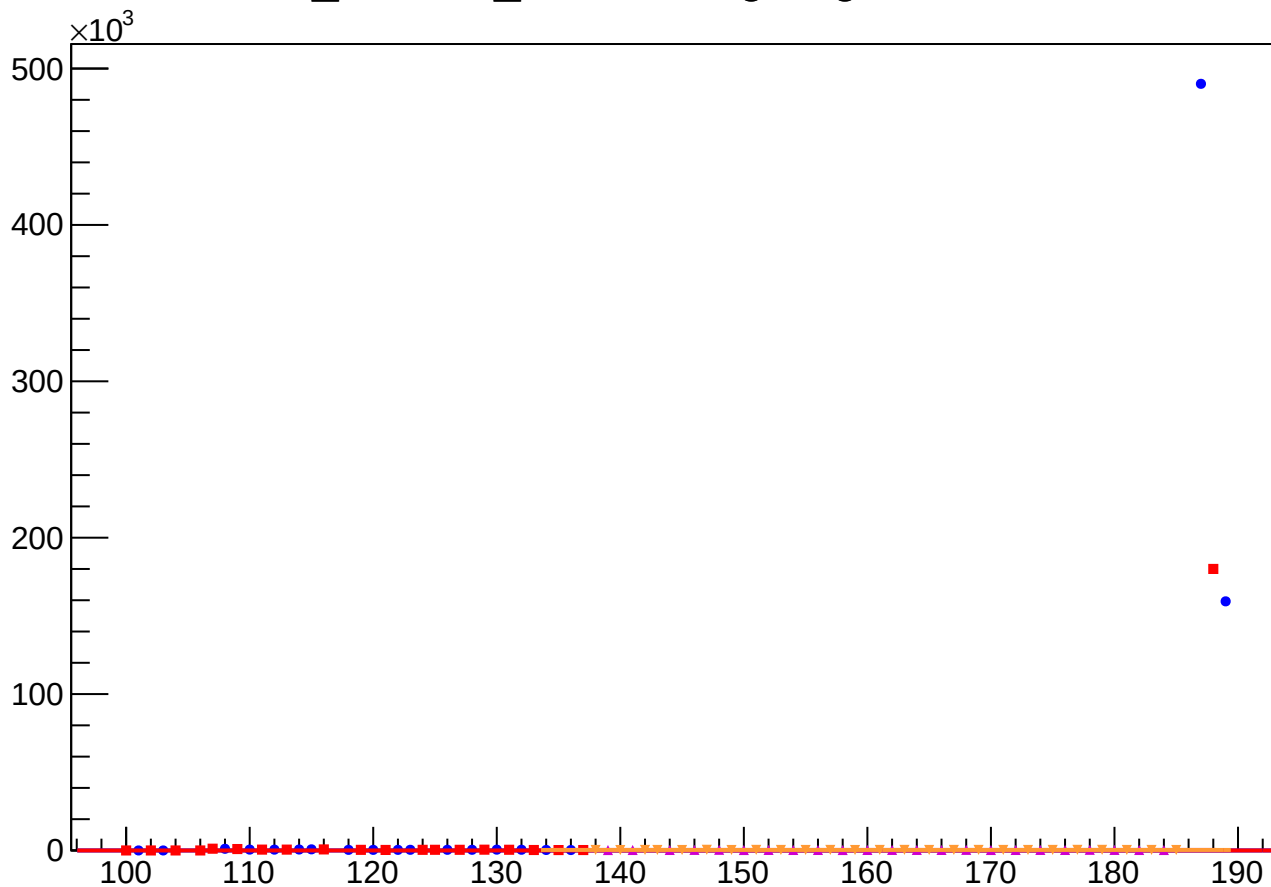
Right: -0.000 $\pm$ 0.001 χ^2 /NDF: 36.3/39

In: 0.000 $\pm$ 0.002 χ^2 /NDF:51.3/41

Out: -0.001 $\pm$ 0.002 χ^2 /NDF:41.3/45

All: -0.000 $\pm$ 0.001 χ^2 /NDF: 92.7/87

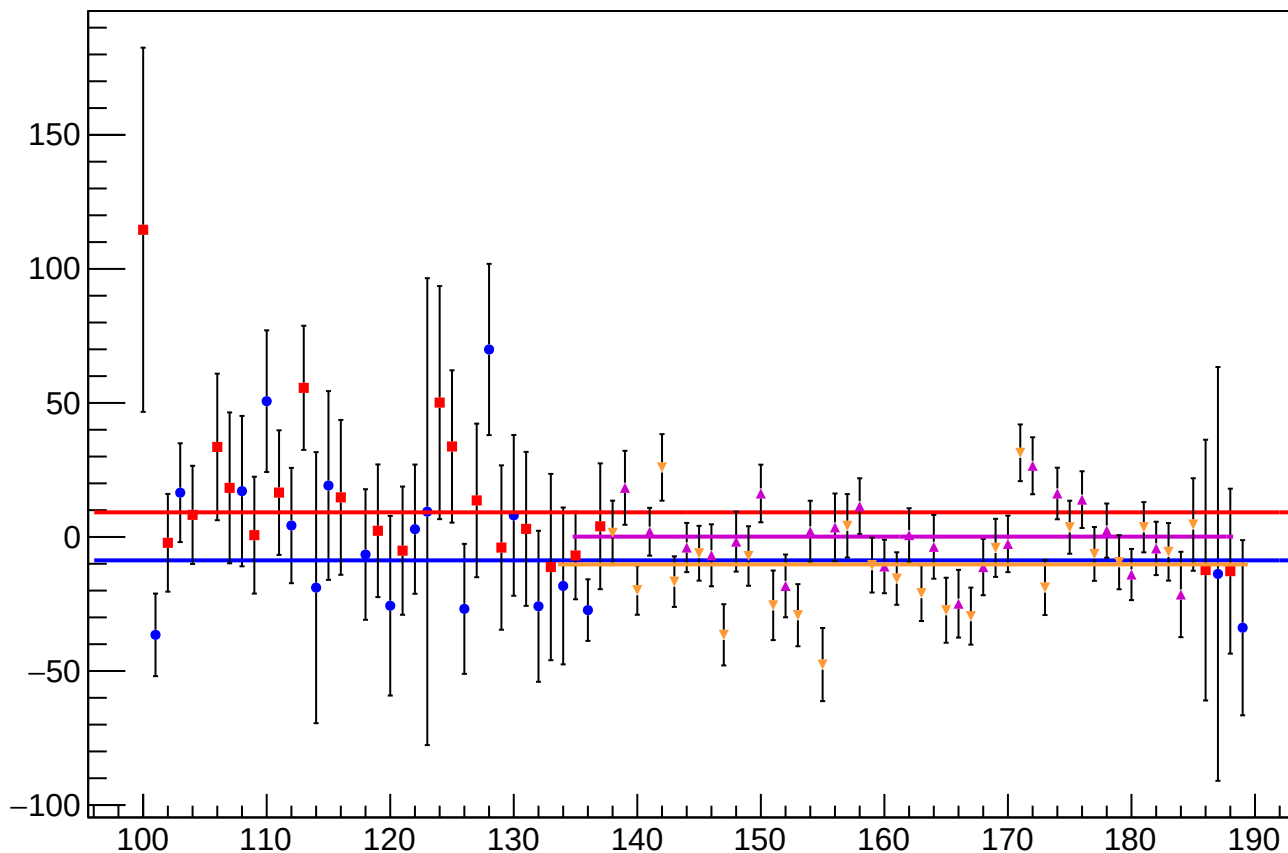
diff_cav4dY_rms vs Slug, Sign Corrected



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

Left: 325.339 $\pm$ 0.039 χ^2 /NDF: 778128.6/47
 Right: 1.714 $\pm$ 0.001 χ^2 /NDF: 24231378.1/38
 In: 1.914 $\pm$ 0.001 χ^2 /NDF:46320097.3/41
 Out: 1.937 $\pm$ 0.001 χ^2 /NDF:48622367.4/44
 All: 1.926 $\pm$ 0.001 χ^2 /NDF: 94942602.7/86

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -8.728 $\pm$ 5.542 χ^2/NDF : 23.2/18

Left Out: -10.235 $\pm$ 2.167 χ^2/NDF : 58.0/24

Right Out: 9.187 $\pm$ 5.561 χ^2/NDF : 12.4/20

Left In: 0.130 $\pm$ 2.242 χ^2/NDF : 29.8/22

Left: -5.230 $\pm$ 1.558 χ^2/NDF : 98.9/47

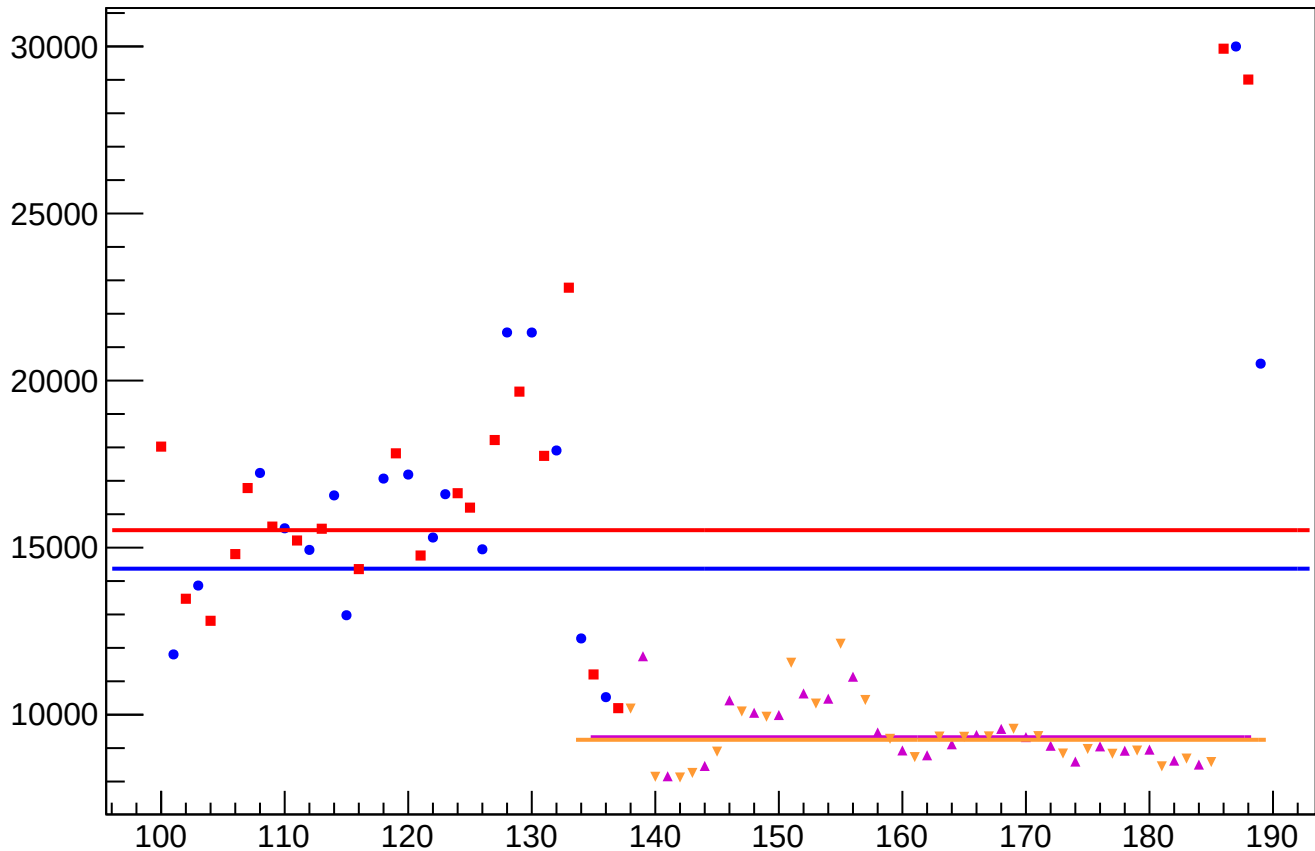
Right: 0.200 $\pm$ 3.925 χ^2/NDF : 40.8/39

In: -1.116 $\pm$ 2.079 χ^2/NDF : 55.2/41

Out: -7.675 $\pm$ 2.019 χ^2/NDF : 81.0/45

All: -4.491 $\pm$ 1.448 χ^2/NDF : 141.3/87

diff_bpm4aX_rms vs Slug, Sign Corrected



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

Left: 9285.937+/-1.102 χ^2/NDF : 614111.7/47

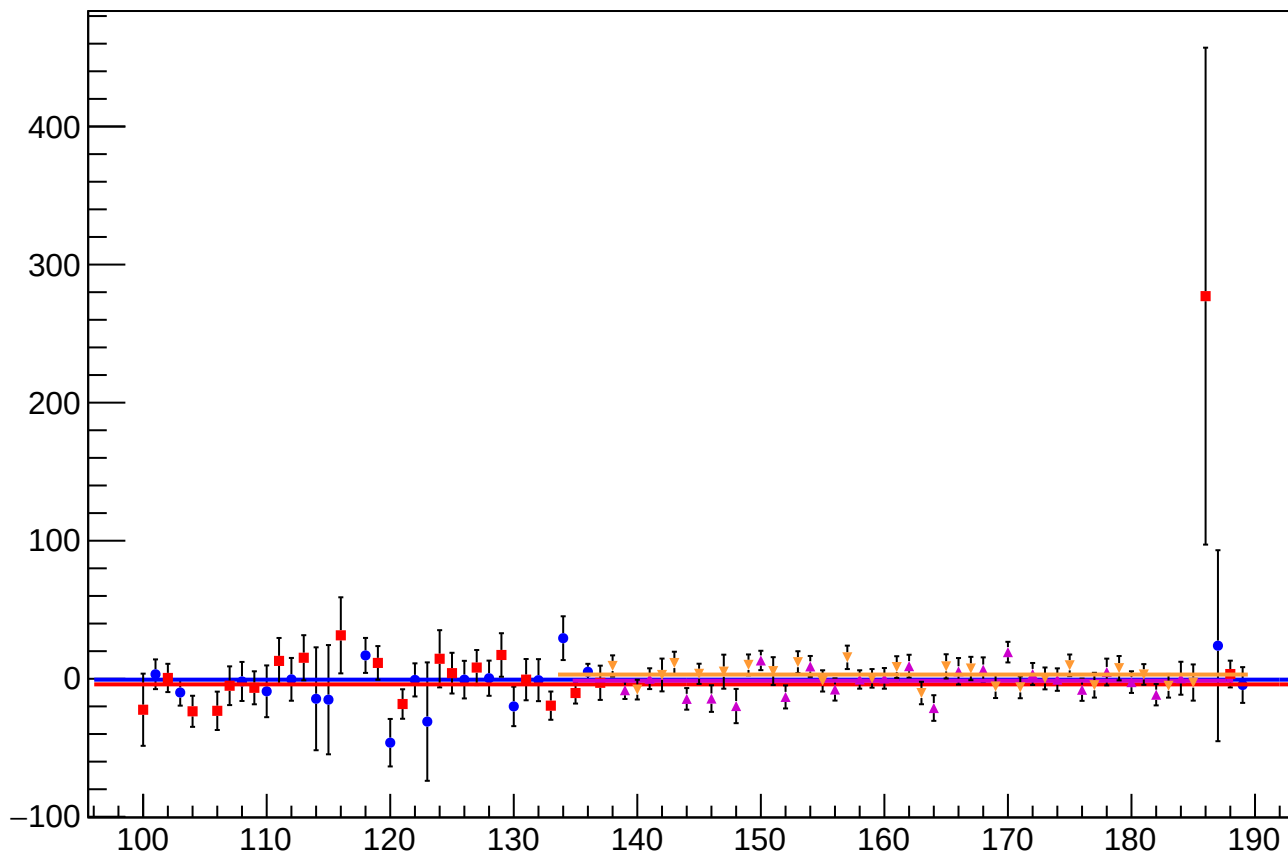
Right: 14944.598+/-2.776 χ^2/NDF : 1863838.4/39

In: 10034.751+/-1.470 χ^2/NDF : 2467091.7/41

Out: 10076.231+/-1.428 χ^2/NDF : 3600872.6/45

All: 10056.096+/-1.024 χ^2/NDF : 6068374.1/8

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.628 ± 3.002 $\chi^2/\text{NDF}: 17.7/18$

Left Out: 3.062 ± 1.659 $\chi^2/\text{NDF}: 18.3/24$

Right Out: -4.046 ± 2.818 $\chi^2/\text{NDF}: 23.0/20$

Left In: -1.394 ± 1.693 $\chi^2/\text{NDF}: 35.4/22$

Left: 0.879 ± 1.185 $\chi^2/\text{NDF}: 57.2/47$

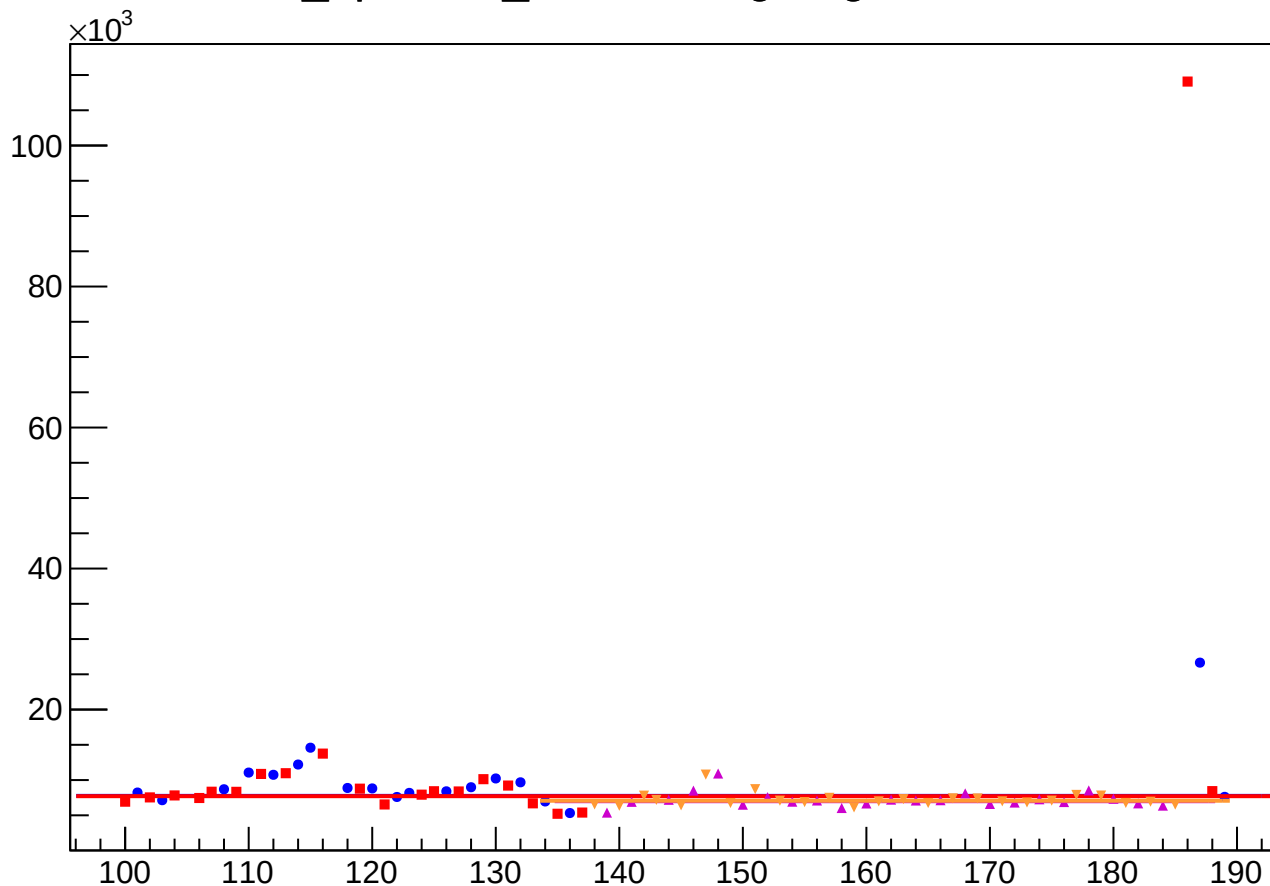
Right: -2.445 ± 2.055 $\chi^2/\text{NDF}: 41.4/39$

In: -1.209 ± 1.475 $\chi^2/\text{NDF}: 53.1/41$

Out: 1.232 ± 1.430 $\chi^2/\text{NDF}: 46.0/45$

All: 0.050 ± 1.026 $\chi^2/\text{NDF}: 100.5/87$

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7756.485 $\pm$ 2.123 χ^2/NDF : 892353.9/18

Left Out: 7066.826 $\pm$ 1.173 χ^2/NDF : 387449.8/24

Right Out: 7713.559 $\pm$ 1.993 χ^2/NDF : 1326605.3/20

Left In: 7000.532 $\pm$ 1.197 χ^2/NDF : 550029.3/22

Left: 7034.358 $\pm$ 0.838 χ^2/NDF : 939043.5/47

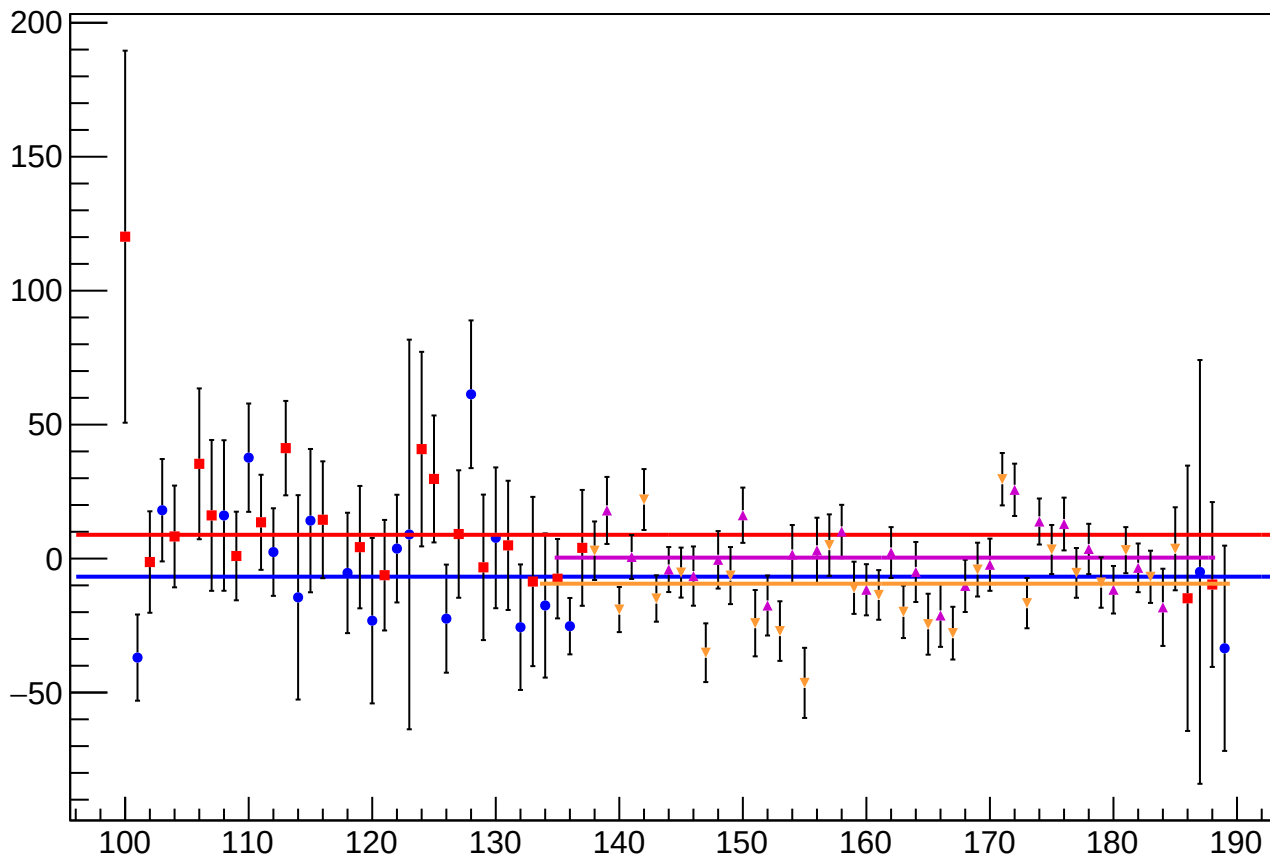
Right: 7733.665 $\pm$ 1.453 χ^2/NDF : 2219176.6/39

In: 7182.966 $\pm$ 1.043 χ^2/NDF : 1538593.8/41

Out: 7233.265 $\pm$ 1.011 χ^2/NDF : 1792290.5/45

All: 7208.899 $\pm$ 0.726 χ^2/NDF : 3332083.7/87

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.759 ± 4.992 $\chi^2/\text{NDF}: 23.7/18$

Left Out: -9.376 ± 2.018 $\chi^2/\text{NDF}: 58.4/24$

Right Out: 8.879 ± 4.923 $\chi^2/\text{NDF}: 12.1/20$

Left In: 0.353 ± 2.092 $\chi^2/\text{NDF}: 29.6/22$

Left: -4.688 ± 1.452 $\chi^2/\text{NDF}: 99.3/47$

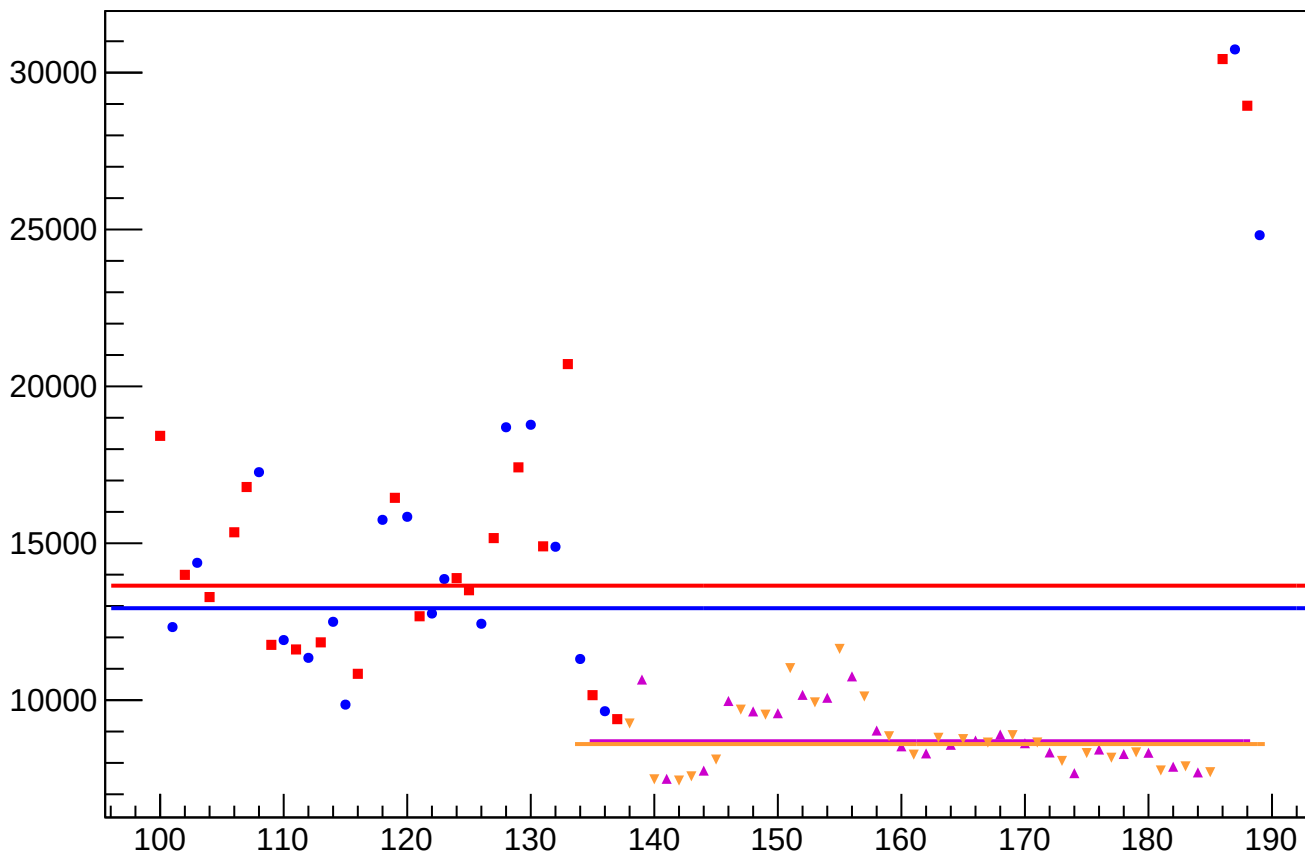
Right: 1.168 ± 3.505 $\chi^2/\text{NDF}: 40.7/39$

In: -0.709 ± 1.930 $\chi^2/\text{NDF}: 55.0/41$

Out: -6.751 ± 1.867 $\chi^2/\text{NDF}: 82.3/45$

All: -3.830 ± 1.342 $\chi^2/\text{NDF}: 142.3/87$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12930.709 $\pm$ 3.530 χ^2 /NDF: 859409.1/18

Left Out: 8600.457 $\pm$ 1.427 χ^2 /NDF:438229.4/24

Right Out: 13648.788 $\pm$ 3.481 χ^2 /NDF: 1248619.9/20

Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF:370834.1/22

Left: 8643.707 $\pm$ 1.027 χ^2 /NDF: 810970.4/47

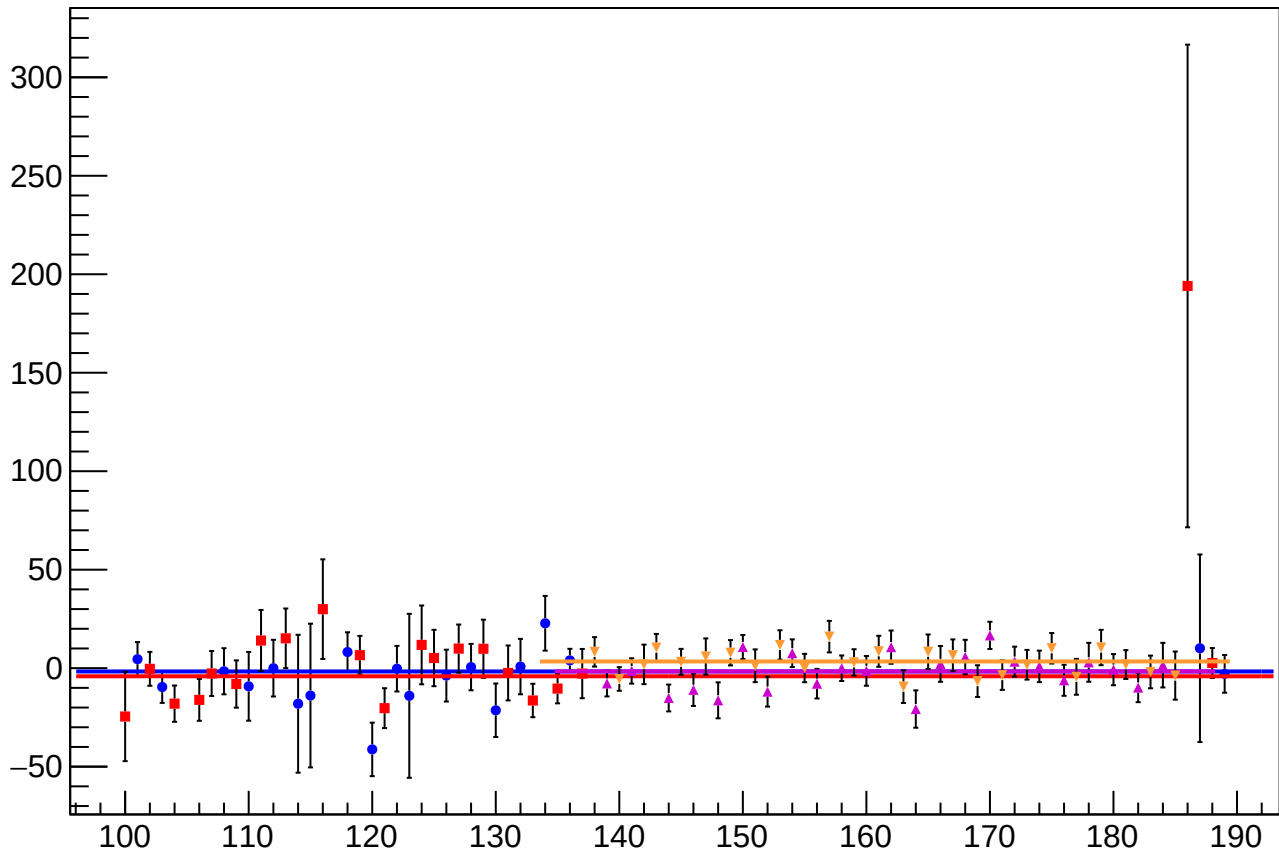
Right: 13294.731 $\pm$ 2.479 χ^2 /NDF: 2129007.4/39

In: 9323.782 $\pm$ 1.364 χ^2 /NDF:2457765.3/41

Out: 9326.480 $\pm$ 1.320 χ^2 /NDF:3487346.9/45

All: 9325.175 $\pm$ 0.949 χ^2 /NDF: 5945114.2/87

diff_bpm4eY_mean vs Slug, Sign Corrected



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

Left: 0.967 ± 1.113 χ^2/NDF : 55.4/47

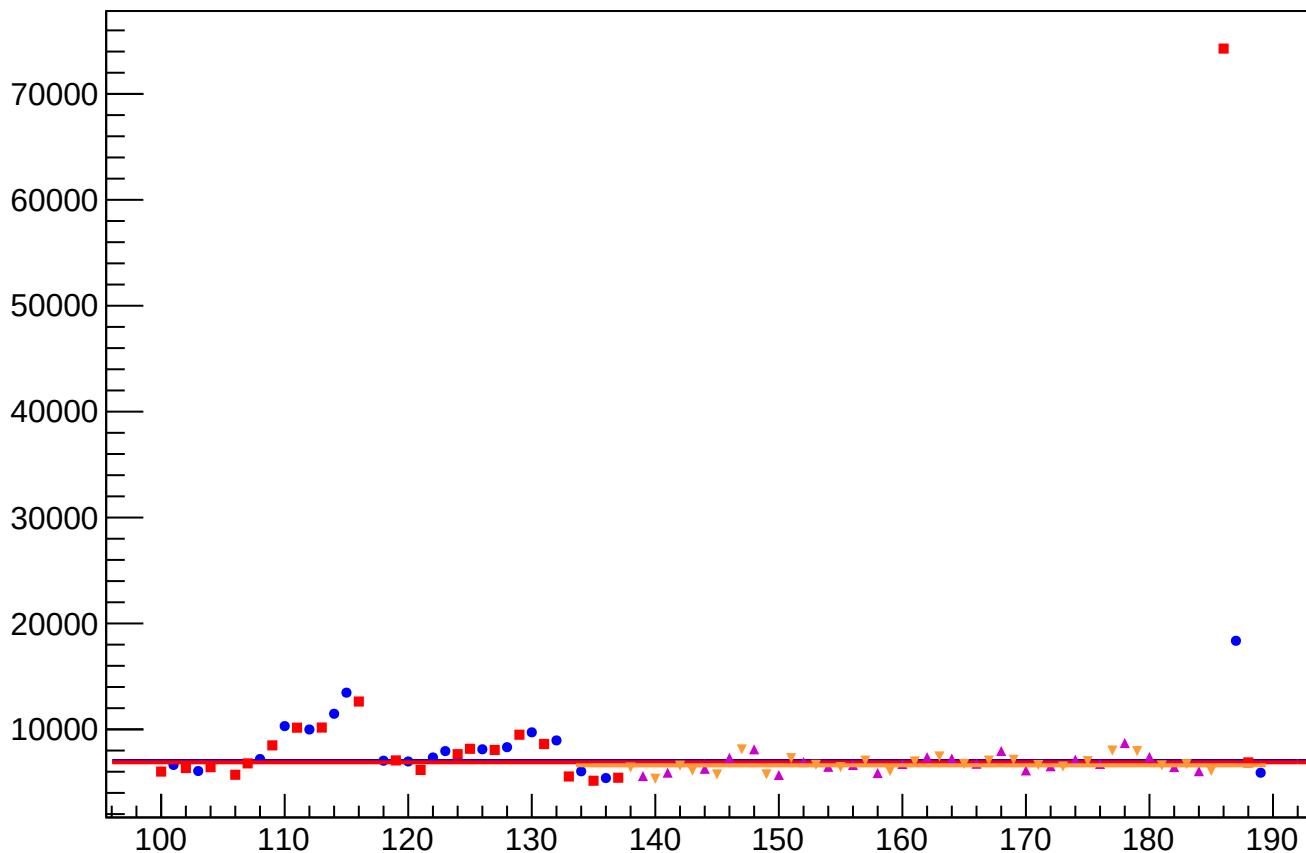
Right: -2.981 ± 1.832 χ^2/NDF : 41.0/39

In: -1.638 ± 1.375 χ^2/NDF : 51.3/41

Out: 1.316 ± 1.317 χ^2/NDF : 46.1/45

All: -0.098 ± 0.951 χ^2/NDF : 99.8/87

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7013.763+/-1.904 χ^2/NDF : 742918.1/18

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 6886.927+/-1.767 χ^2/NDF : 1291772.3/20

Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

Left: 6617.543+/-0.787 χ^2/NDF : 828885.6/47

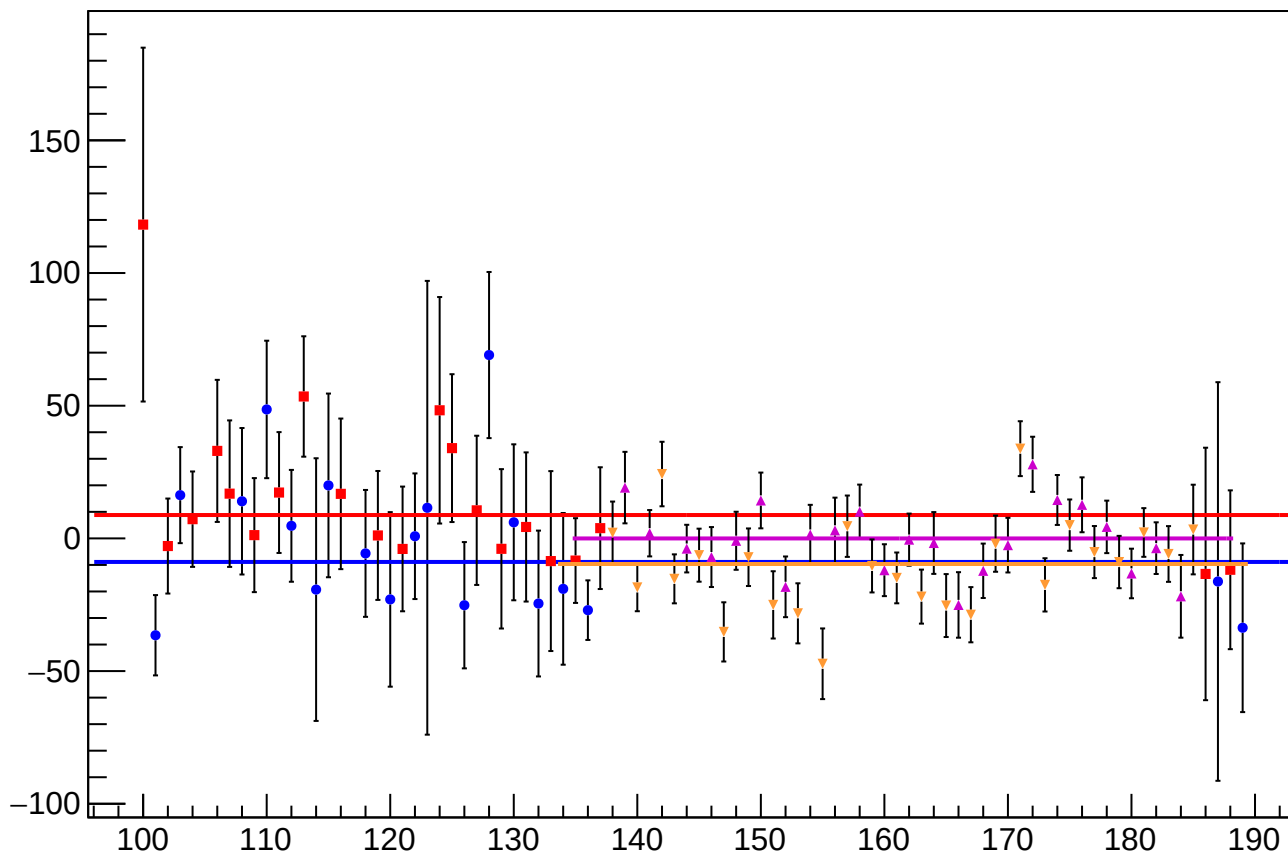
Right: 6945.619+/-1.295 χ^2/NDF : 2037074.6/39

In: 6729.063+/-0.972 χ^2/NDF : 1203444.1/41

Out: 6684.876+/-0.932 χ^2/NDF : 1708296.0/45

All: 6706.027+/-0.673 χ^2/NDF : 2912817.0/87

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.874 $\pm$ 5.431 χ^2/NDF : 23.1/18

Left Out: -9.649 $\pm$ 2.118 χ^2/NDF : 59.8/24

Right Out: 8.805 $\pm$ 5.450 χ^2/NDF : 12.7/20

Left In: -0.019 $\pm$ 2.192 χ^2/NDF : 30.6/22

Left: -4.999 $\pm$ 1.523 χ^2/NDF : 100.4/47

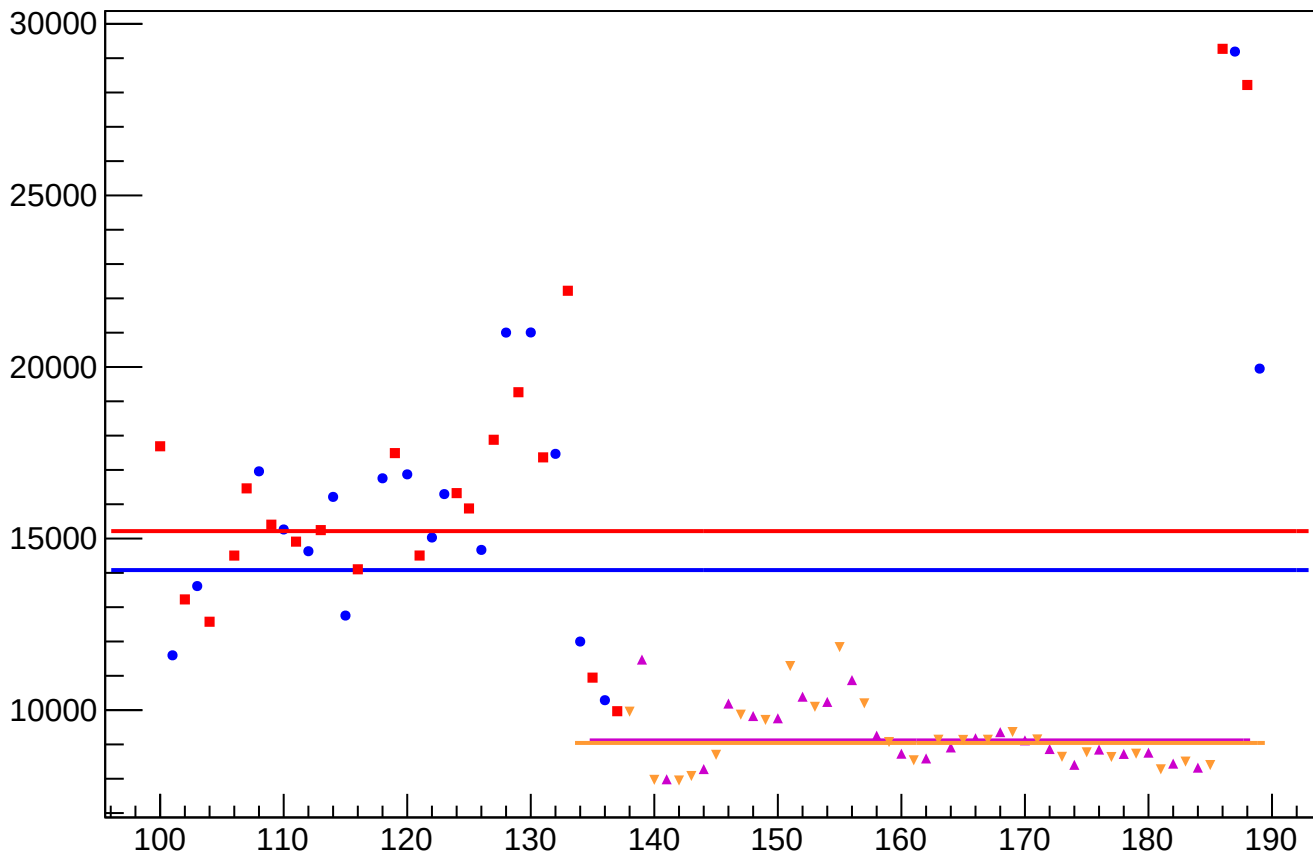
Right: -0.066 $\pm$ 3.847 χ^2/NDF : 41.0/39

In: -1.260 $\pm$ 2.033 χ^2/NDF : 56.0/41

Out: -7.227 $\pm$ 1.974 χ^2/NDF : 82.5/45

All: -4.330 $\pm$ 1.416 χ^2/NDF : 142.9/87

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 14081.194 ± 3.840 $\chi^2/\text{NDF}: 761592.0/18$

Left Out: 9043.485 ± 1.498 $\chi^2/\text{NDF}: 328192.2/24$

Right Out: 15216.854 ± 3.854 $\chi^2/\text{NDF}: 1052920.6/20$

Left In: 9116.921 ± 1.550 $\chi^2/\text{NDF}: 277594.8/22$

Left: 9078.947 ± 1.077 $\chi^2/\text{NDF}: 606947.8/47$

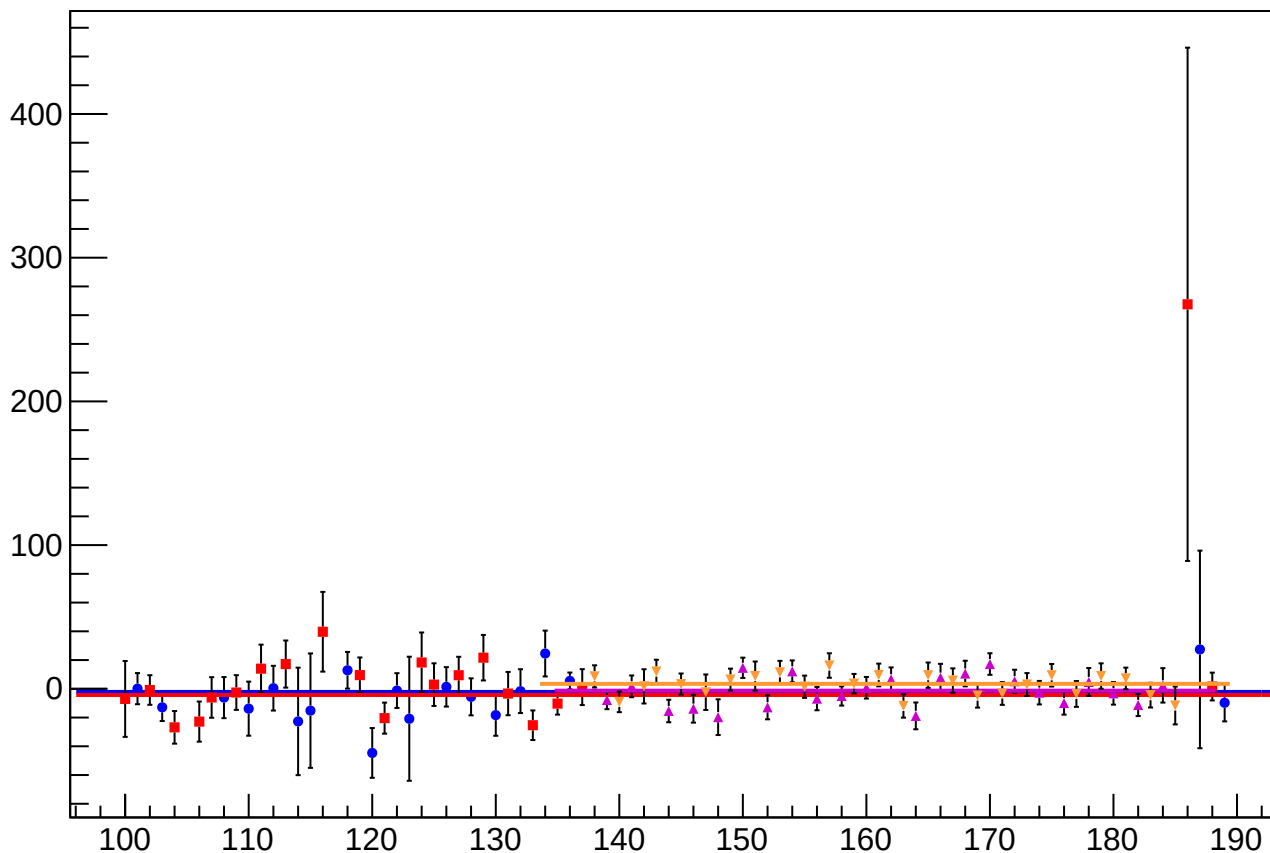
Right: 14646.998 ± 2.720 $\chi^2/\text{NDF}: 1858088.4/39$

In: 9812.401 ± 1.437 $\chi^2/\text{NDF}: 2476301.2/41$

Out: 9853.649 ± 1.396 $\chi^2/\text{NDF}: 3610466.6/45$

All: 9833.625 ± 1.001 $\chi^2/\text{NDF}: 6087191.6/87$

diff_bpm4acY_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 36.5/22$

Left: 1.123 ± 1.190 $\chi^2/\text{NDF}: 59.4/47$

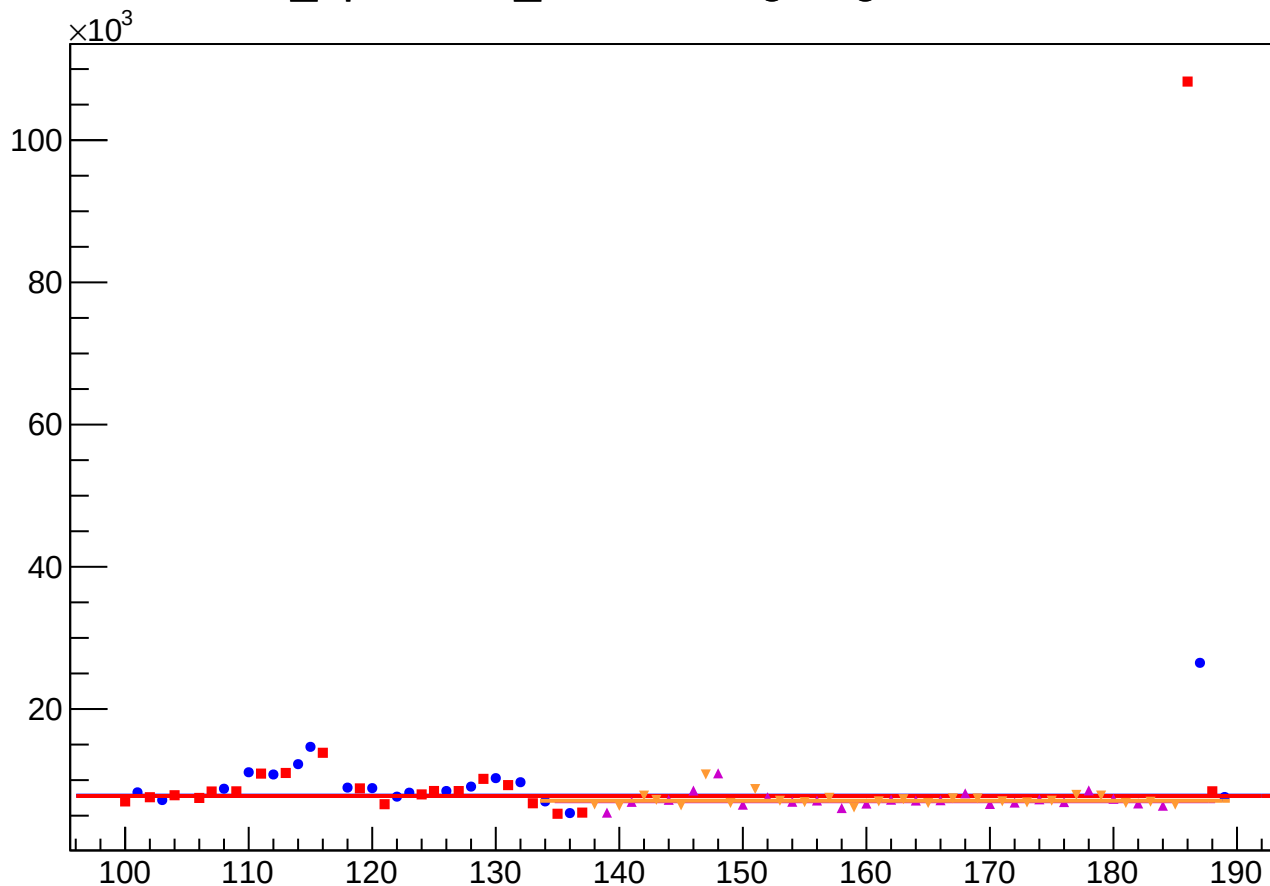
Right: -3.304 ± 2.069 $\chi^2/\text{NDF}: 44.2/39$

In: -1.505 ± 1.482 $\chi^2/\text{NDF}: 52.8/41$

Out: 1.457 ± 1.437 $\chi^2/\text{NDF}: 52.1/45$

All: 0.022 ± 1.032 $\chi^2/\text{NDF}: 107.0/87$

diff_bpm4acY_rms vs Slug, Sign Corrected



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

Left: 7066.886 $\pm$ 0.842 χ^2 /NDF: 925077.6/47

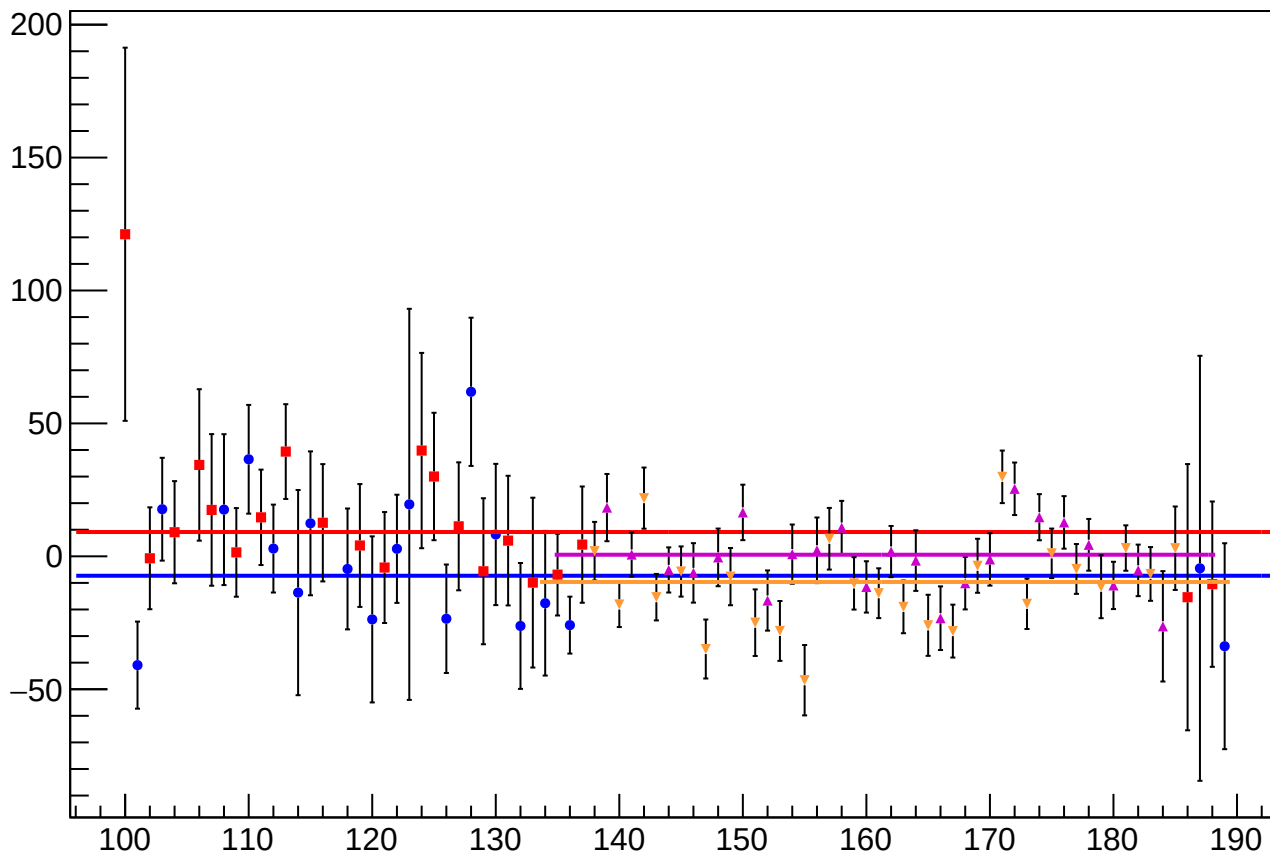
Right: 7790.507 $\pm$ 1.463 χ^2 /NDF: 2203302.0/39

In: 7221.105 $\pm$ 1.048 χ^2 /NDF: 1528379.8/41

Out: 7270.986 $\pm$ 1.016 χ^2 /NDF: 1782662.4/45

All: 7246.825 $\pm$ 0.730 χ^2 /NDF: 3312209.9/87

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -7.306 $\pm$ 5.059 χ^2/NDF : 24.2/18

Left Out: -9.640 $\pm$ 2.057 χ^2/NDF : 57.6/24

Right Out: 9.145 $\pm$ 4.993 χ^2/NDF : 11.2/20

Left In: 0.599 $\pm$ 2.135 χ^2/NDF : 29.7/22

Left: -4.710 $\pm$ 1.481 χ^2/NDF : 99.2/47

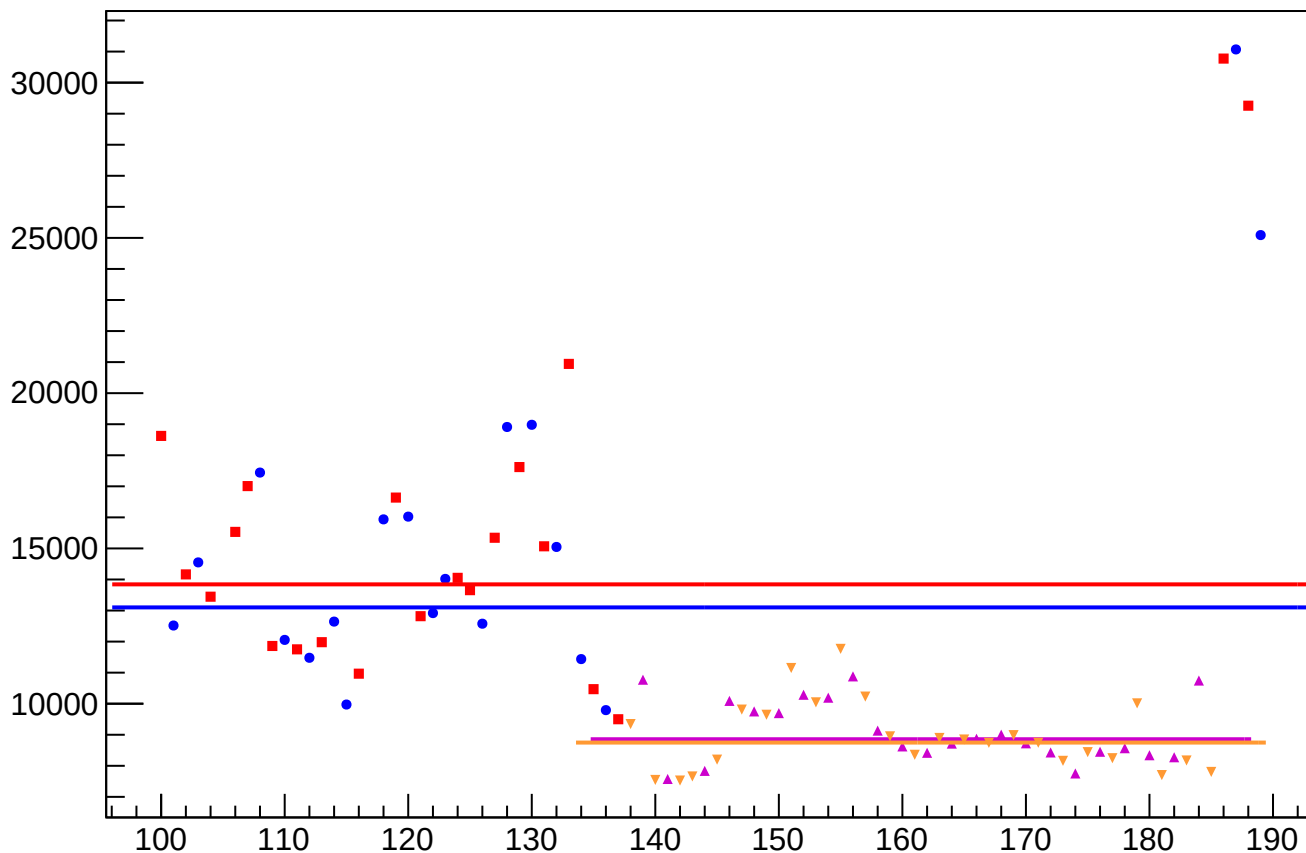
Right: 1.028 $\pm$ 3.554 χ^2/NDF : 40.8/39

In: -0.596 $\pm$ 1.967 χ^2/NDF : 56.0/41

Out: -6.914 $\pm$ 1.902 χ^2/NDF : 81.0/45

All: -3.861 $\pm$ 1.367 χ^2/NDF : 142.3/87

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 13101.050 $\pm$ 3.577 $\chi^2/\text{NDF}: 851859.2/18$

Left Out: 8748.407 $\pm$ 1.455 $\chi^2/\text{NDF}: 463394.1/24$

Right Out: 13842.906 $\pm$ 3.530 $\chi^2/\text{NDF}: 1232506.3/20$

Left In: 8855.591 $\pm$ 1.510 $\chi^2/\text{NDF}: 367542.7/22$

Left: 8800.011 $\pm$ 1.048 $\chi^2/\text{NDF}: 833550.6/47$

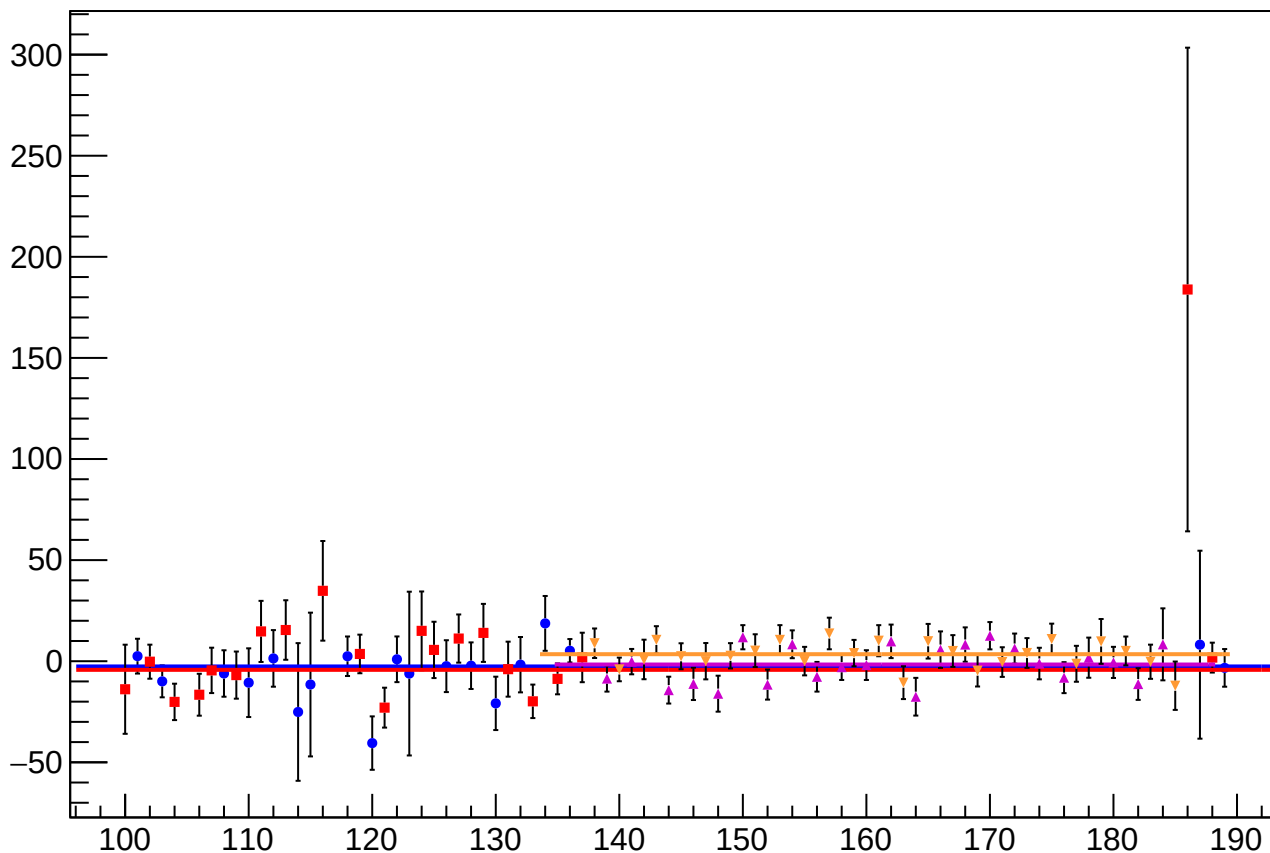
Right: 13476.855 $\pm$ 2.513 $\chi^2/\text{NDF}: 2106153.2/39$

In: 9497.457 $\pm$ 1.391 $\chi^2/\text{NDF}: 2415013.5/41$

Out: 9487.833 $\pm$ 1.345 $\chi^2/\text{NDF}: 3476009.6/45$

All: 9492.483 $\pm$ 0.967 $\chi^2/\text{NDF}: 5891047.8/87$

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left: 1.006 ± 1.096 χ^2/NDF : 54.9/47

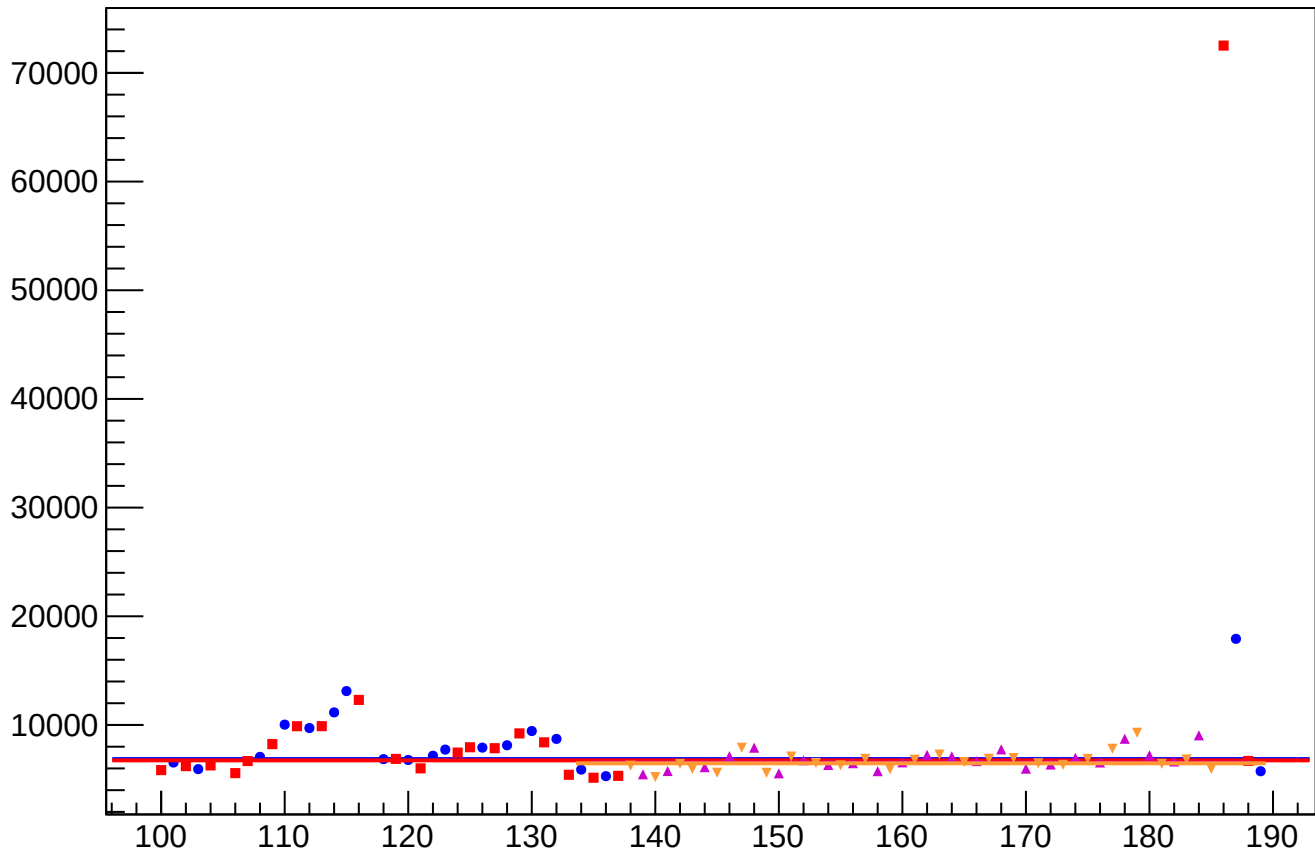
Right: -3.489 ± 1.793 χ^2/NDF : 44.4/39

In: -1.889 ± 1.354 χ^2/NDF : 50.8/41

Out: 1.311 ± 1.294 χ^2/NDF : 50.2/45

All: -0.217 ± 0.935 χ^2/NDF : 103.9/87

diff_bpm4ecY_rms vs Slug, Sign Corrected



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

Left: 6496.112+/-0.775 χ^2/NDF : 971356.4/47

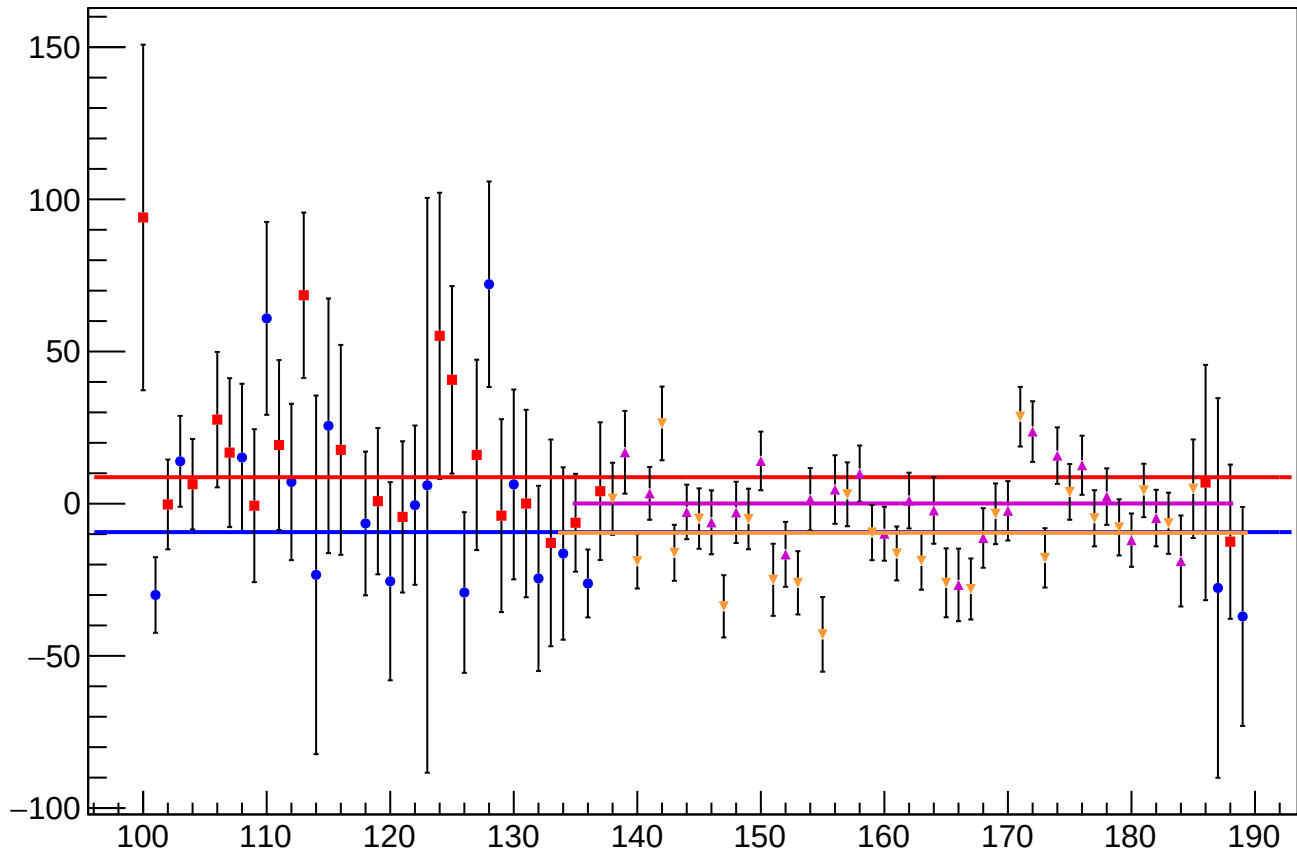
Right: 6797.098+/-1.268 χ^2/NDF : 1995896.9/39

In: 6610.943+/-0.957 χ^2/NDF : 1235090.8/41

Out: 6547.902+/-0.915 χ^2/NDF : 1770910.0/45

All: 6577.999+/-0.661 χ^2/NDF : 3008267.5/87

diff_bpm1X_mean vs Slug, Sign Corrected



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

Left: -4.885 ± 1.444 χ^2/NDF : 100.5/47

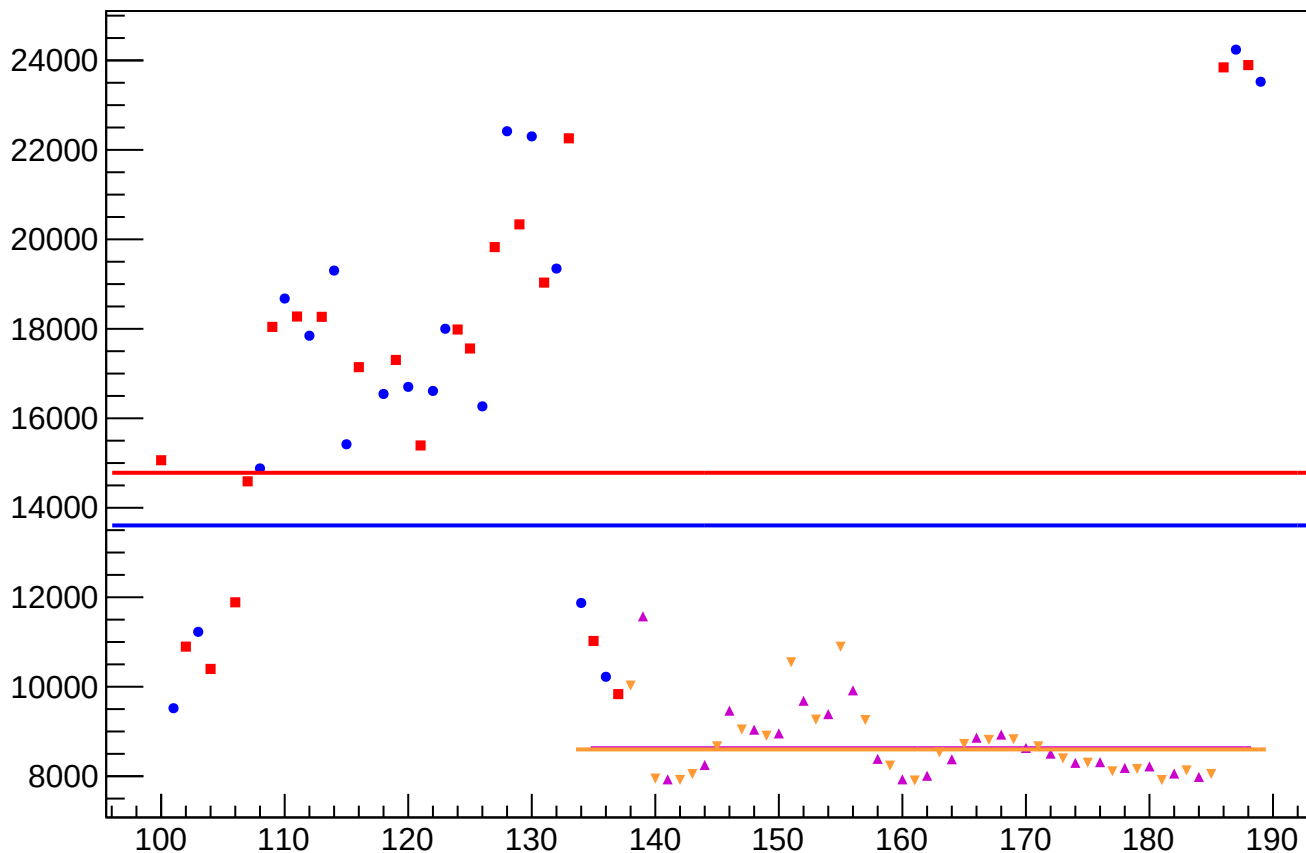
Right: -0.326 ± 3.776 χ^2/NDF : 41.7/39

In: -1.161 ± 1.932 χ^2/NDF : 55.1/41

Out: -7.287 ± 1.883 χ^2/NDF : 83.2/45

All: -4.304 ± 1.348 χ^2/NDF : 143.5/87

diff_bpm1X_rms vs Slug, Sign Corrected



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

Left: 8611.717+/-1.021 χ^2/NDF : 486546.6/47

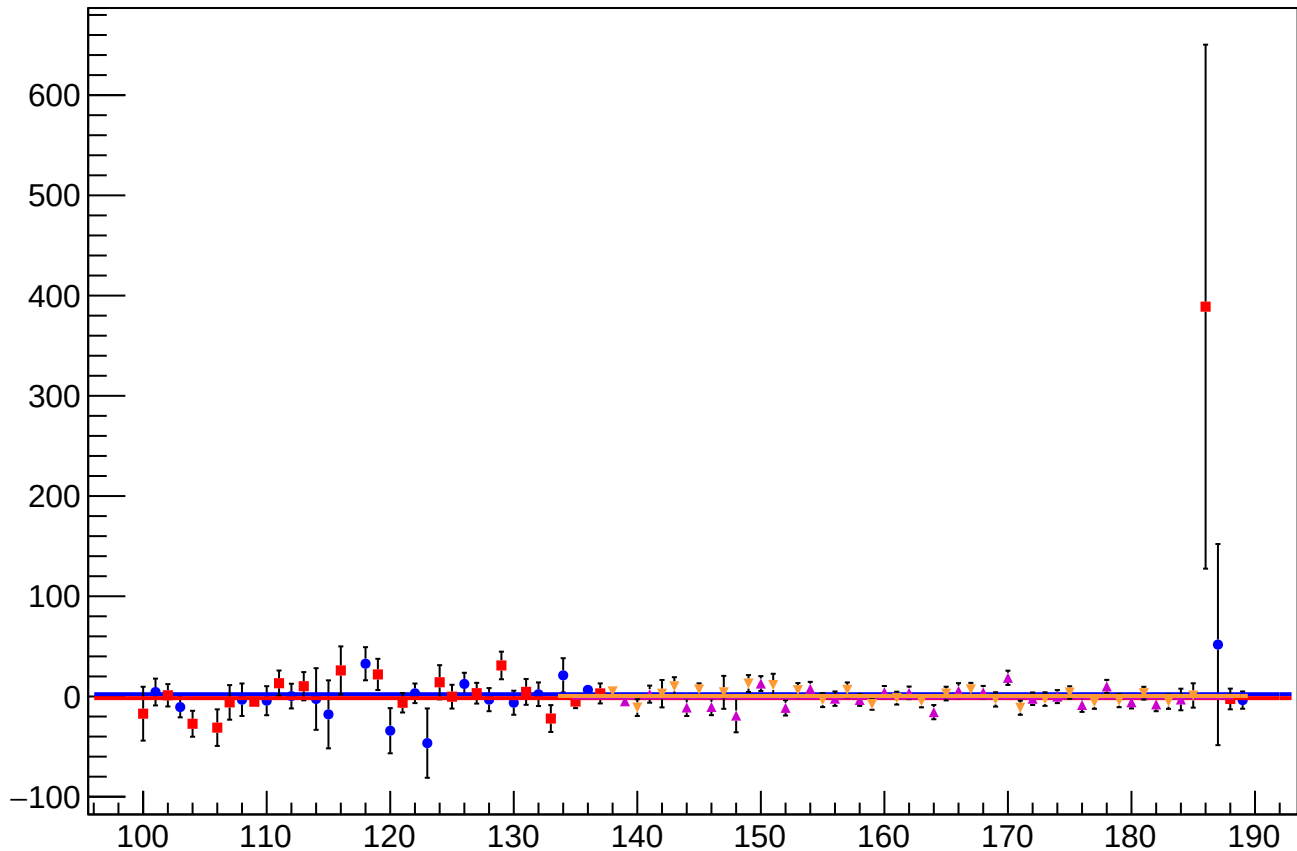
Right: 14193.597+/-2.670 χ^2/NDF : 2638850.4/39

In: 9277.655+/-1.366 χ^2/NDF : 3015346.7/41

Out: 9366.852+/-1.331 χ^2/NDF : 3920348.1/45

All: 9323.411+/-0.953 χ^2/NDF : 6937881.2/87

diff_bpm1Y_mean vs Slug, Sign Corrected



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

Left: -0.273+/-0.995 χ^2/NDF : 52.6/47

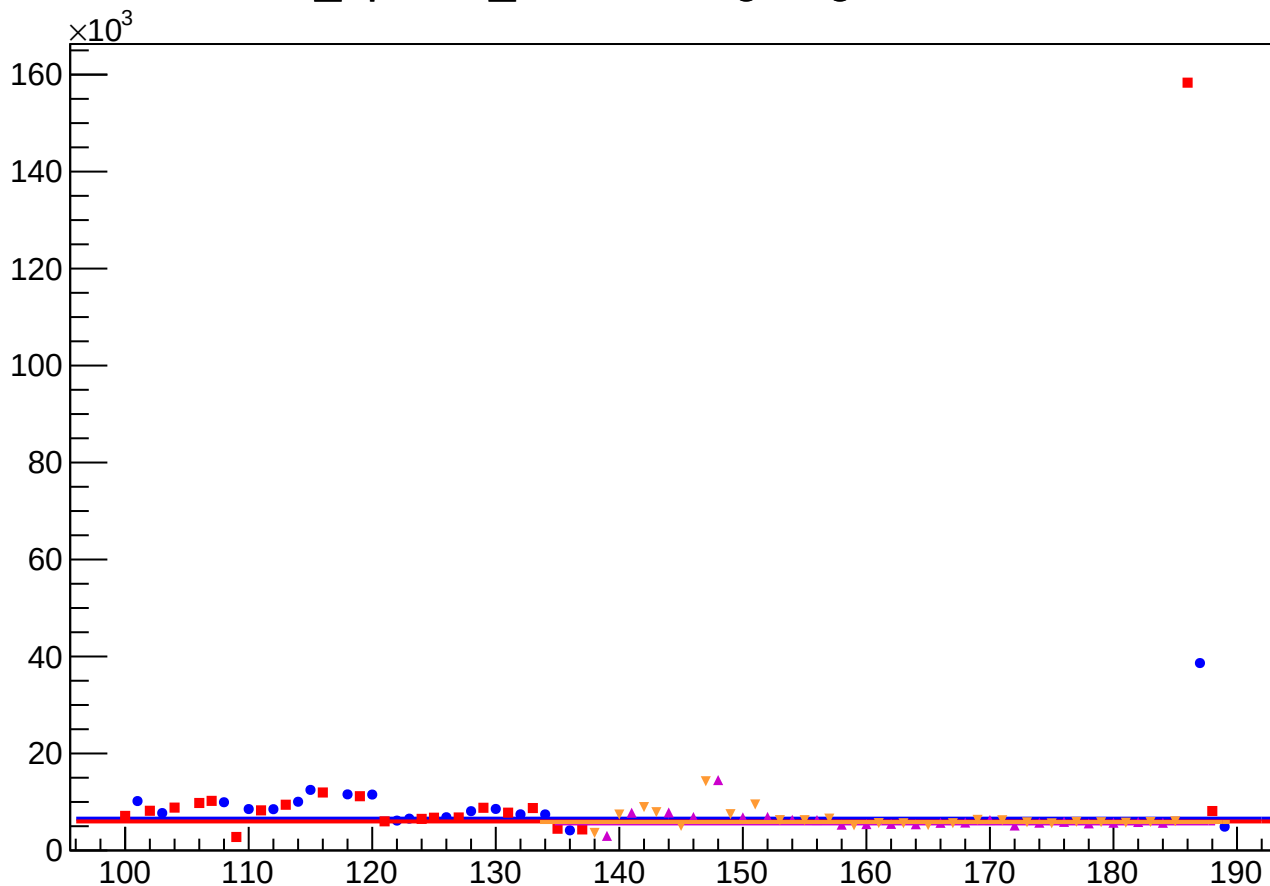
Right: 0.107+/-1.765 χ^2/NDF : 41.4/39

In: -0.323+/-1.233 χ^2/NDF : 48.5/41

Out: -0.043+/-1.218 χ^2/NDF : 45.6/45

All: -0.182+/-0.866 χ^2/NDF : 94.1/87

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6557.599 ± 1.860 $\chi^2/\text{NDF}: 1673038.0/18$

Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$

Right Out: 5982.770 ± 1.684 $\chi^2/\text{NDF}: 3053825.9/20$

Left In: 5571.330 ± 0.987 $\chi^2/\text{NDF}: 2162788.3/22$

Left: 5713.698 ± 0.703 $\chi^2/\text{NDF}: 3895130.2/47$

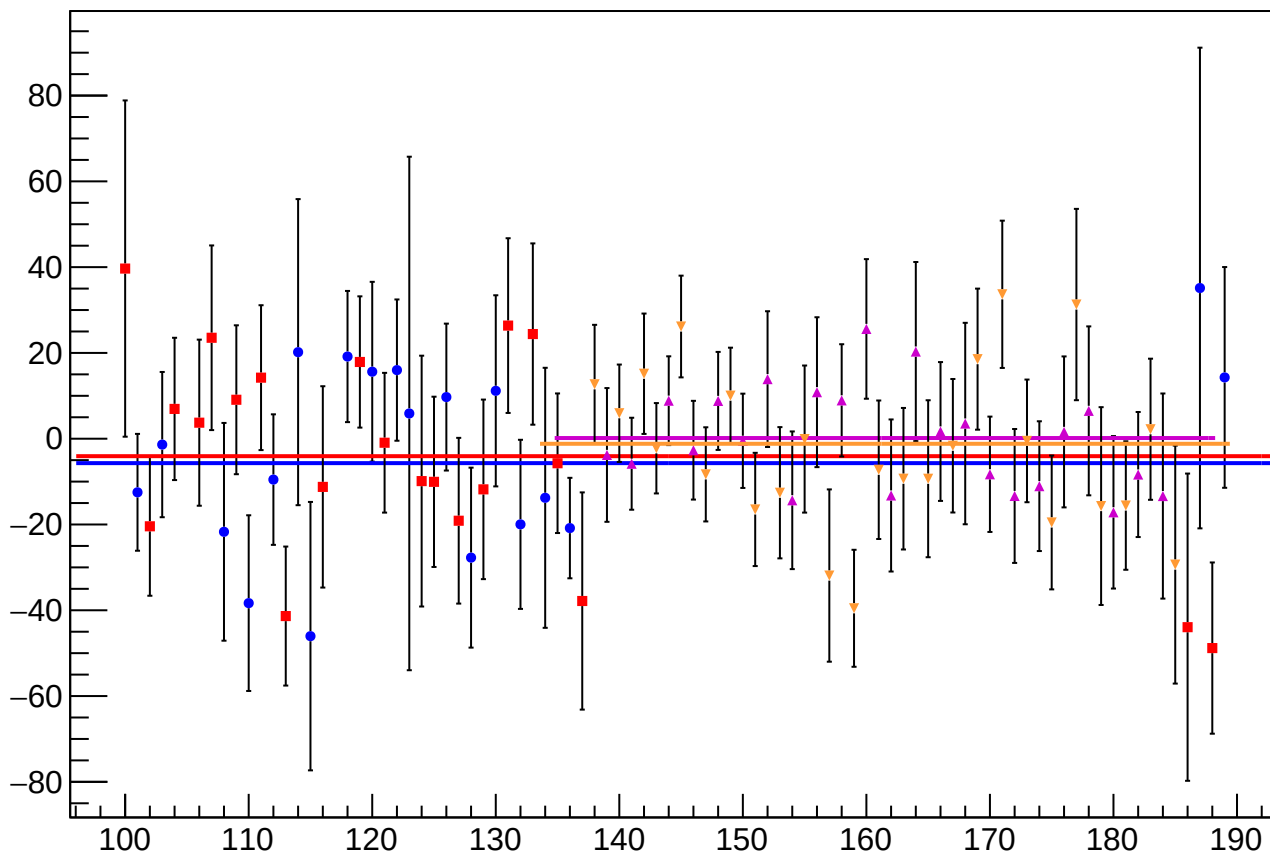
Right: 6241.730 ± 1.248 $\chi^2/\text{NDF}: 4779367.0/39$

In: 5788.024 ± 0.872 $\chi^2/\text{NDF}: 4055301.1/41$

Out: 5892.572 ± 0.861 $\chi^2/\text{NDF}: 4747761.5/45$

All: 5840.923 ± 0.613 $\chi^2/\text{NDF}: 8810341.1/87$

diff_bpm11X_mean vs Slug, Sign Corrected



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

Left: -0.539 ± 2.119 χ^2/NDF : 45.3/47

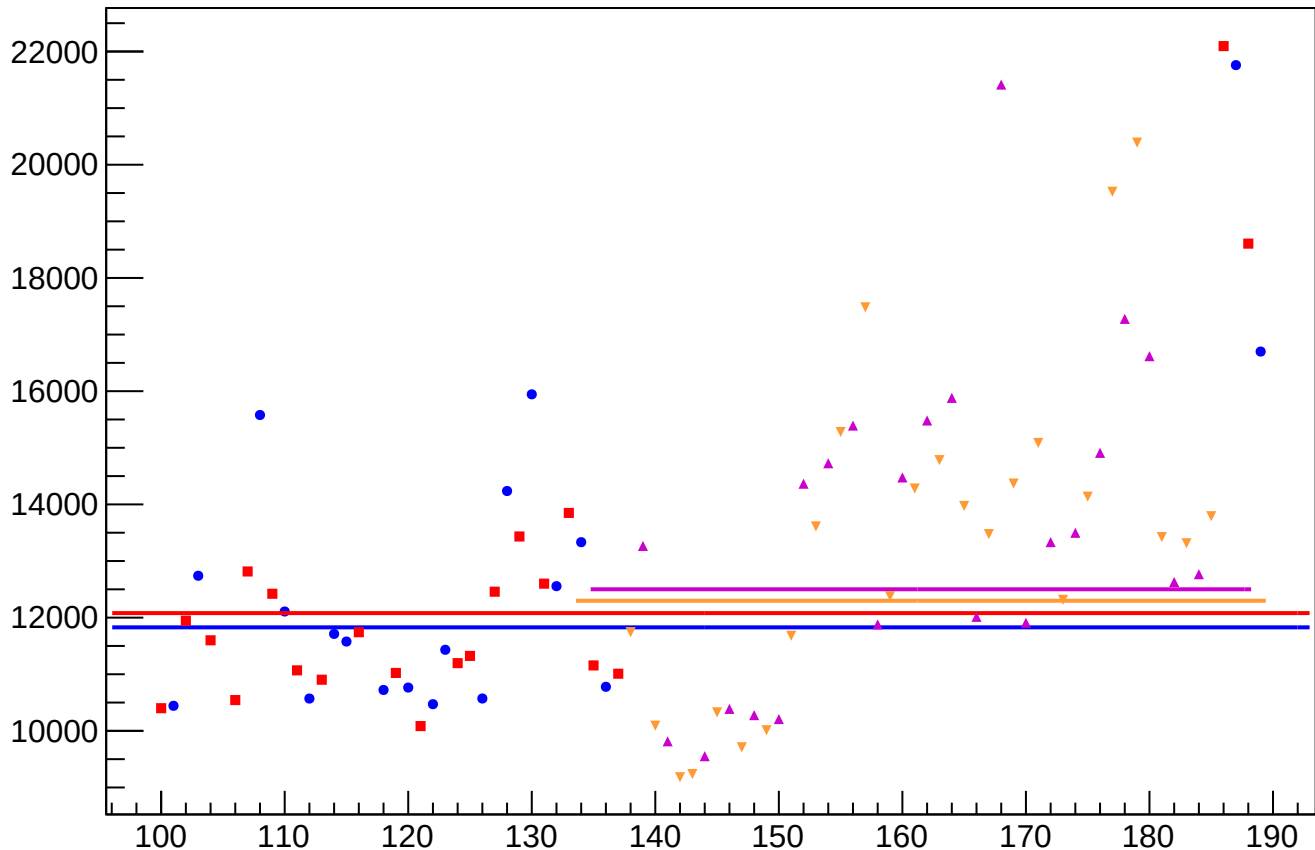
Right: -4.842 ± 3.082 χ^2/NDF : 43.6/39

In: -1.706 ± 2.525 χ^2/NDF : 29.5/41

Out: -2.117 ± 2.417 χ^2/NDF : 60.7/45

All: -1.920 ± 1.746 χ^2/NDF : 90.2/87

diff_bpm11X_rms vs Slug, Sign Corrected



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

Left: 12395.720 $\pm$ 1.498 χ^2/NDF : 2868458.0/47

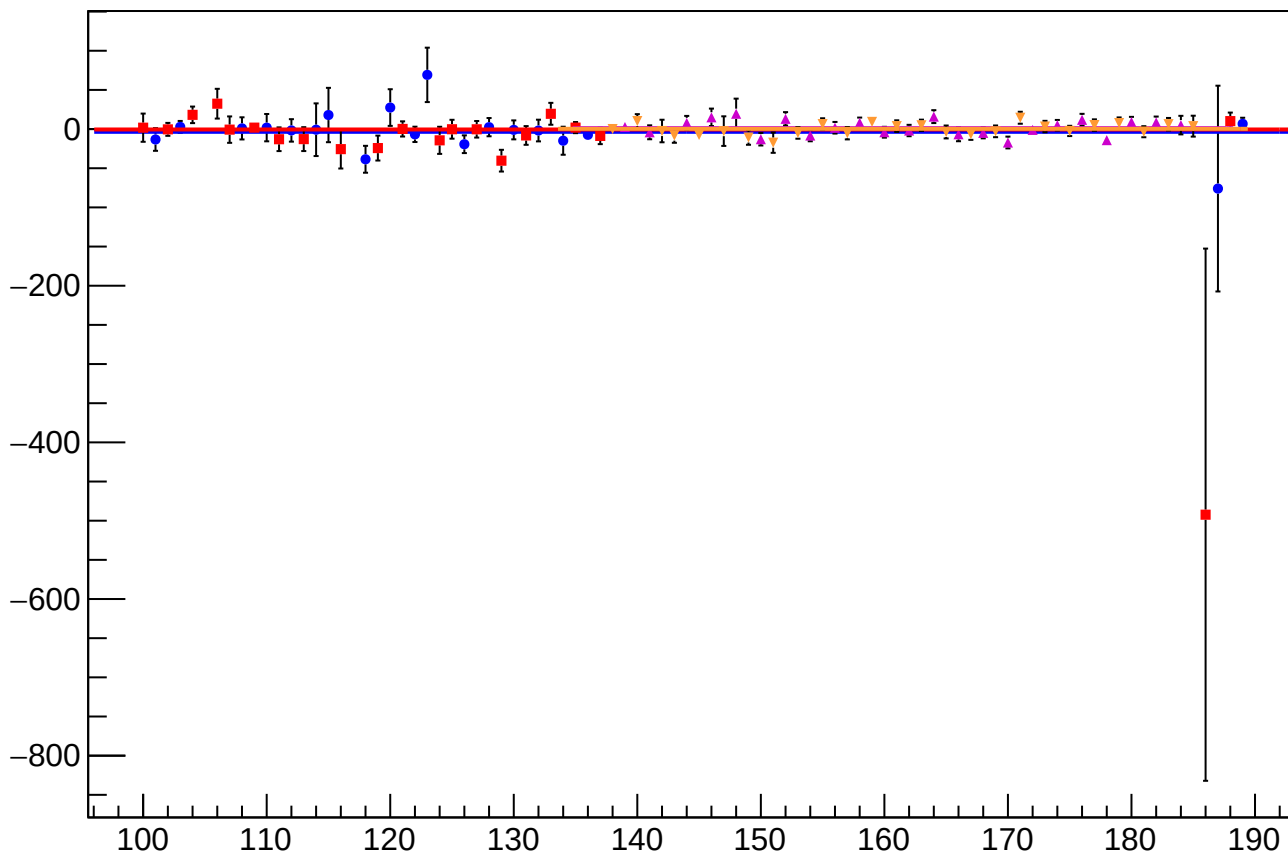
Right: 11960.768 $\pm$ 2.179 χ^2/NDF : 868797.9/39

In: 12286.791 $\pm$ 1.785 χ^2/NDF : 1765883.3/41

Out: 12227.967 $\pm$ 1.709 χ^2/NDF : 1997856.7/45

All: 12256.099 $\pm$ 1.235 χ^2/NDF : 3764306.4/86

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.488 $\pm$ 2.622 χ^2/NDF : 17.5/18

Left Out: 0.353 $\pm$ 1.433 χ^2/NDF : 19.1/24

Right Out: -0.523 $\pm$ 2.375 χ^2/NDF : 26.1/20

Left In: 1.165 $\pm$ 1.371 χ^2/NDF : 33.6/22

Left: 0.777 $\pm$ 0.991 χ^2/NDF : 52.9/47

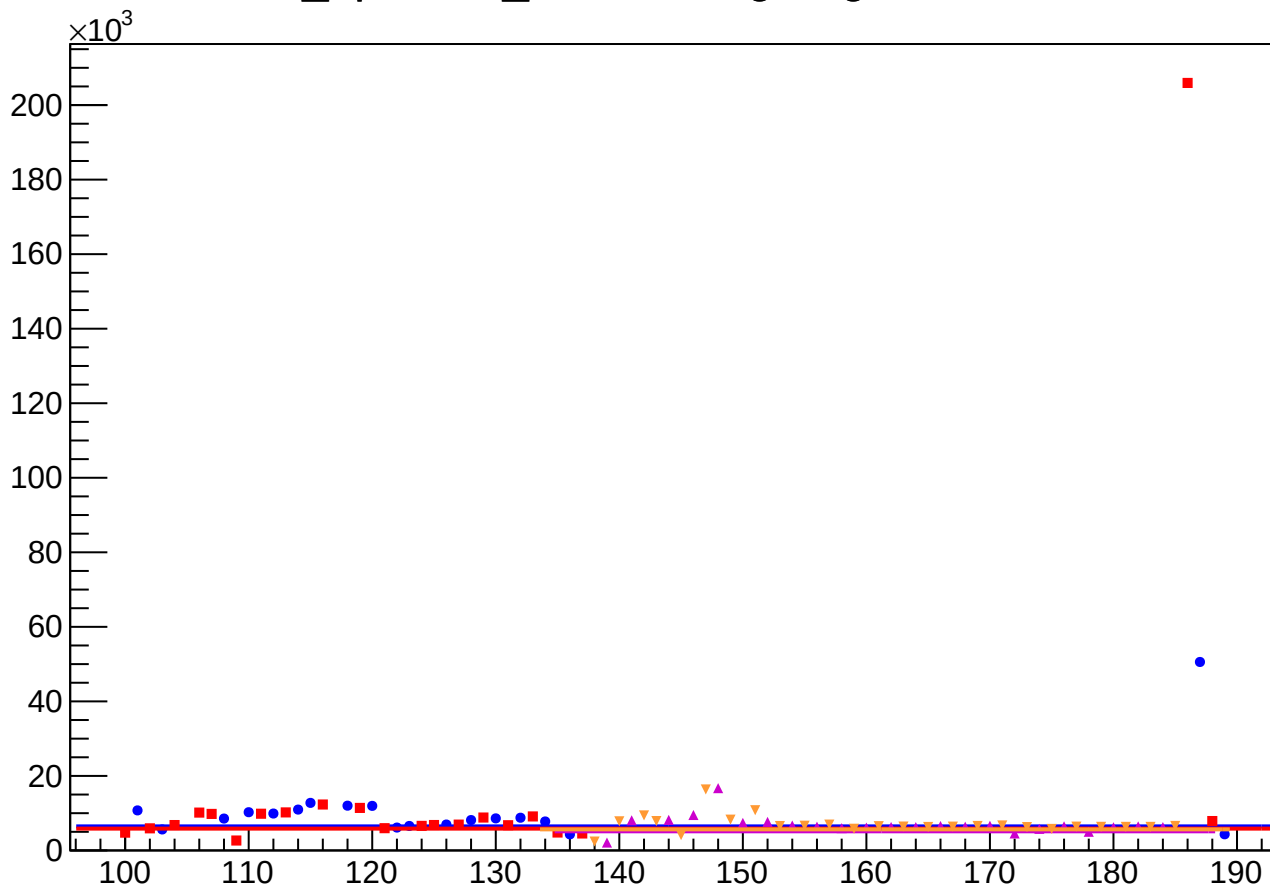
Right: -1.859 $\pm$ 1.760 χ^2/NDF : 44.4/39

In: 0.166 $\pm$ 1.215 χ^2/NDF : 53.6/41

Out: 0.119 $\pm$ 1.227 χ^2/NDF : 45.4/45

All: 0.143 $\pm$ 0.863 χ^2/NDF : 99.0/87

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6457.543 $\pm$ 1.854 χ^2/NDF : 1837976.6/18

Left Out: 5659.441 $\pm$ 1.014 χ^2/NDF : 4128583.6/24

Right Out: 5861.366 $\pm$ 1.679 χ^2/NDF : 2935016.9/20

Left In: 5137.772 $\pm$ 0.970 χ^2/NDF : 5495609.7/22

Left: 5387.078 $\pm$ 0.701 χ^2/NDF : 9762498.7/47

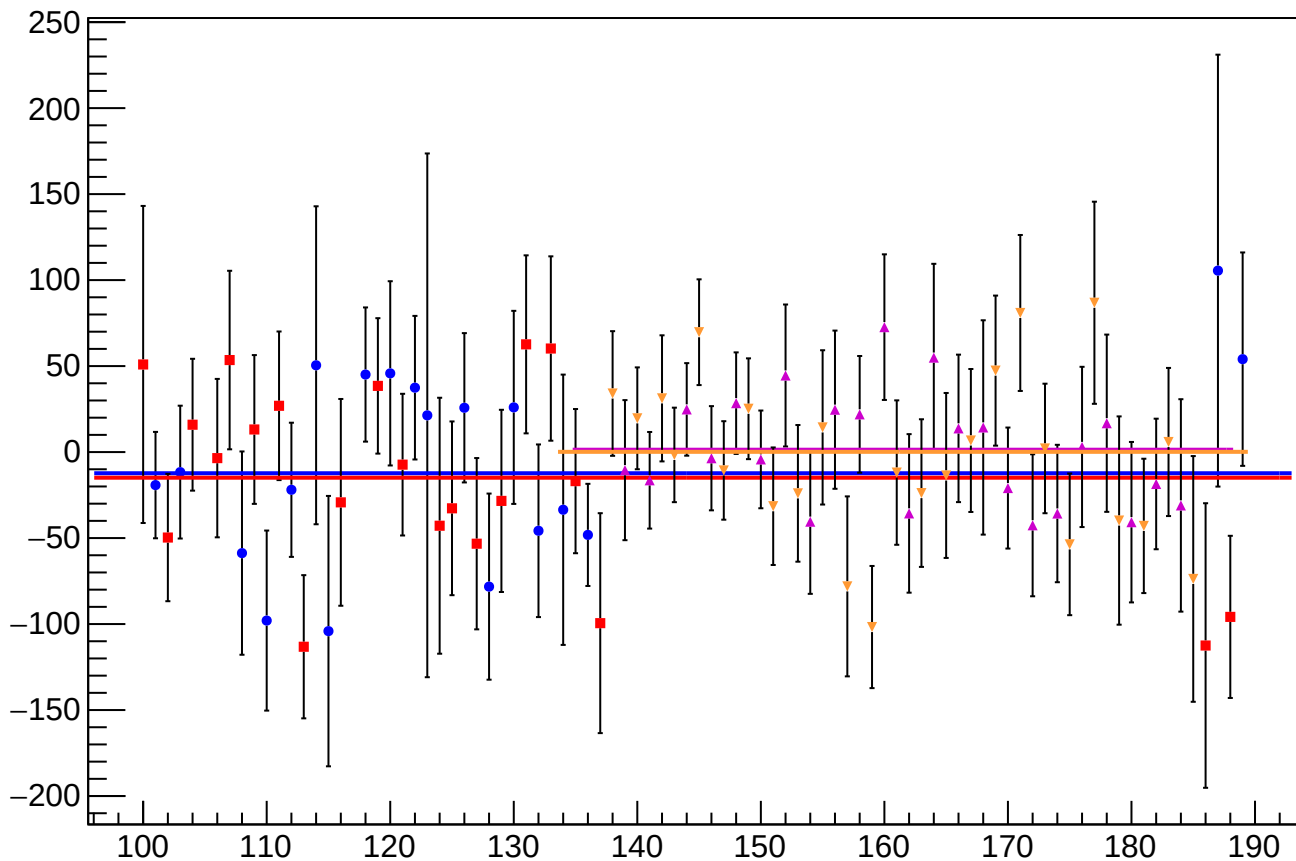
Right: 6130.014 $\pm$ 1.245 χ^2/NDF : 4829787.8/39

In: 5421.215 $\pm$ 0.859 χ^2/NDF : 7731396.6/41

Out: 5713.359 $\pm$ 0.868 χ^2/NDF : 7074198.3/45

All: 5565.856 $\pm$ 0.611 χ^2/NDF : 14862822.0/8

diff_bpm12X_mean vs Slug, Sign Corrected



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

Left: 0.734 ± 5.538 χ^2/NDF : 44.6/47

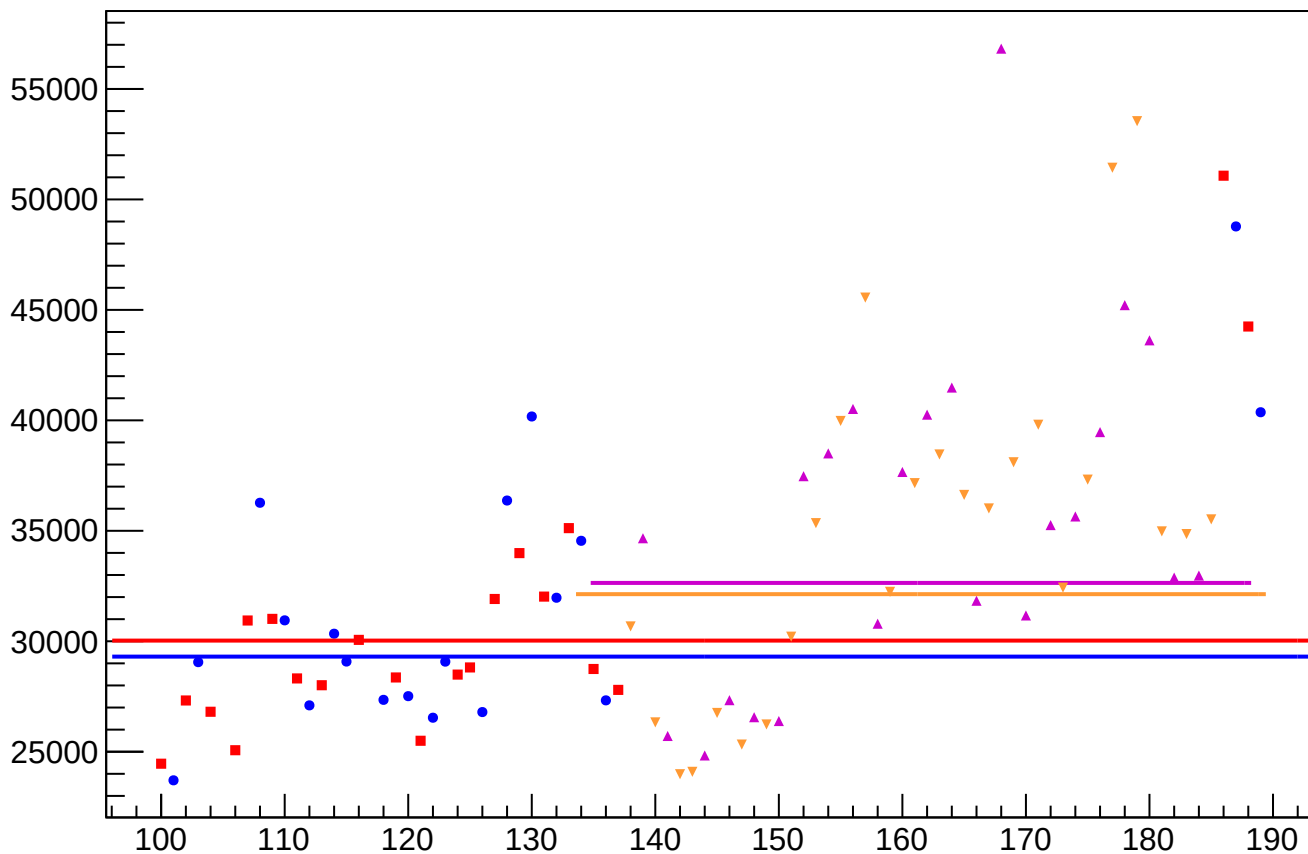
Right: -13.670 ± 7.642 χ^2/NDF : 40.7/39

In: -3.302 ± 6.483 χ^2/NDF : 31.0/41

Out: -5.073 ± 6.210 χ^2/NDF : 56.5/45

All: -4.226 ± 4.484 χ^2/NDF : 87.6/87

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 29305.464+/-7.842

χ^2/NDF : 368966.0/18

Left Out: 32132.314+/-5.433

χ^2/NDF :1540079.4/24

Right Out: 30030.493+/-7.457

χ^2/NDF : 445336.3/20

Left In: 32641.162+/-5.650

χ^2/NDF :1402162.4/22

Left: 32376.774+/-3.916

χ^2/NDF : 2946456.2/47

Right: 29686.202+/-5.404

χ^2/NDF : 818791.2/39

In: 31501.297+/-4.584

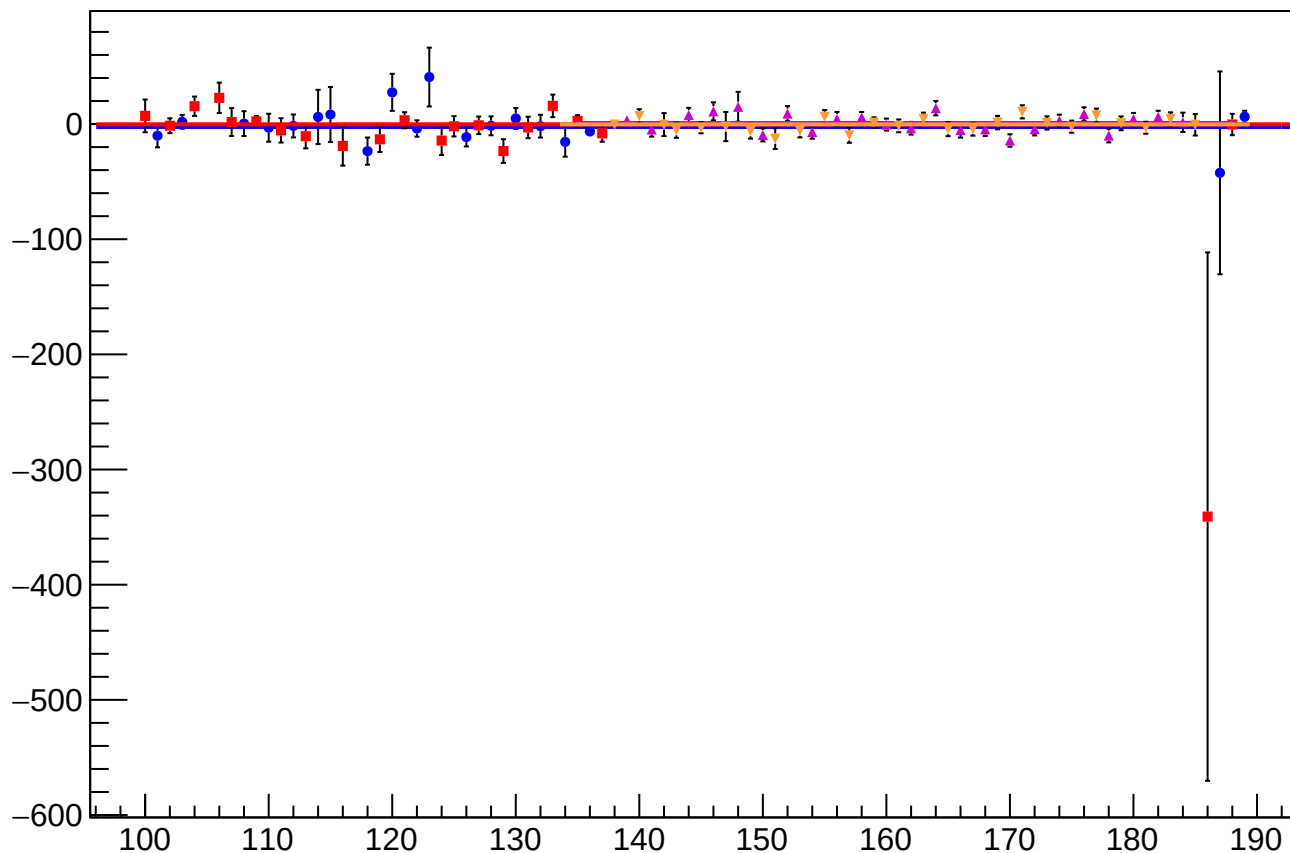
χ^2/NDF :1890237.8/41

Out: 31403.522+/-4.391

χ^2/NDF :2037312.1/45

All: 31450.308+/-3.171 χ^2/NDF : 3927787.2/8

diff_bpm12Y_mean vs Slug, Sign Corrected



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

Left: 0.313 ± 0.818 χ^2/NDF : 54.4/47

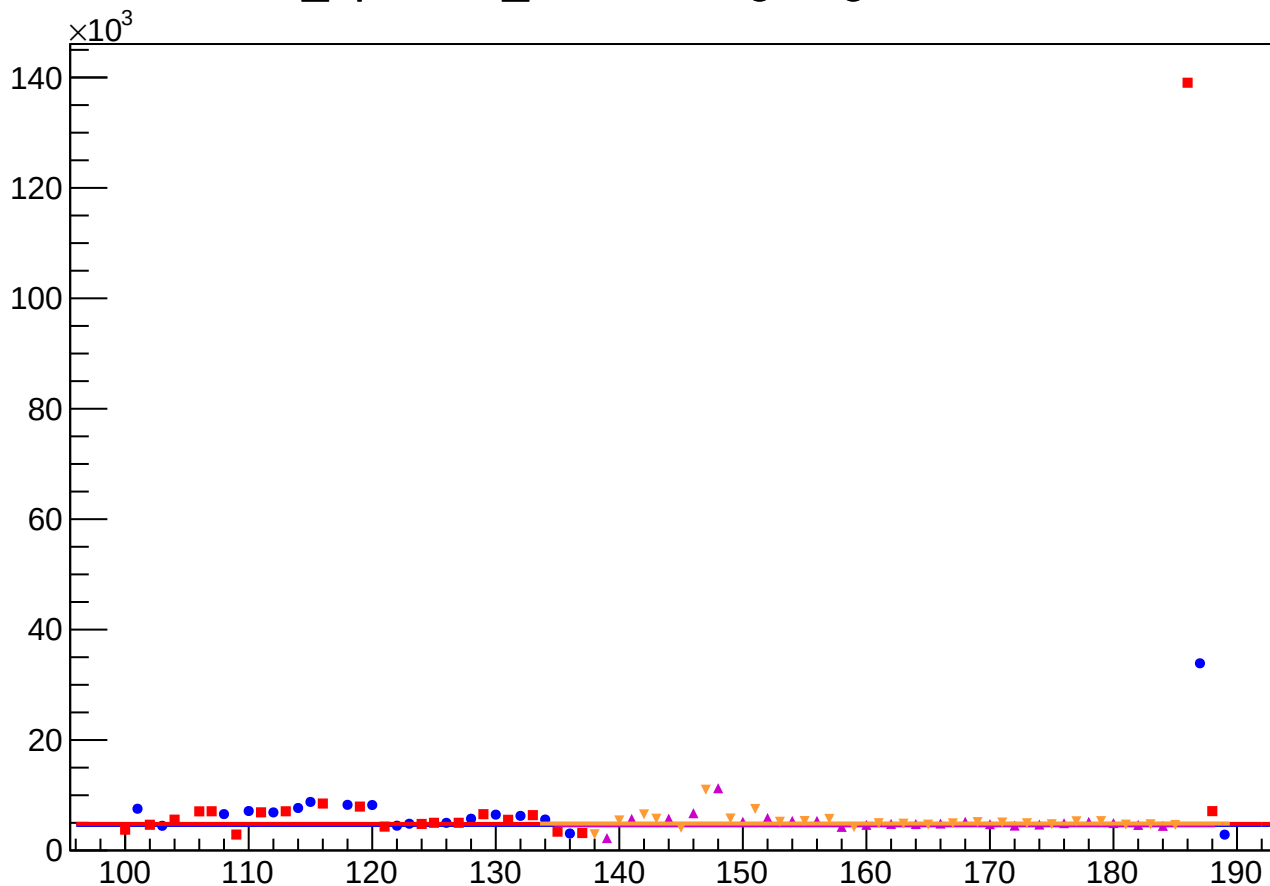
Right: -1.361 ± 1.320 χ^2/NDF : 43.4/39

In: -0.022 ± 0.976 χ^2/NDF : 57.2/41

Out: -0.285 ± 0.991 χ^2/NDF : 41.7/45

All: -0.151 ± 0.695 χ^2/NDF : 98.9/87

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4621.750 $\pm$ 1.327 χ^2/NDF : 1886799.6/18

Left Out: 4868.567 $\pm$ 0.829 χ^2/NDF : 1511151.0/24

Right Out: 4809.789 $\pm$ 1.314 χ^2/NDF : 2131437.2/20

Left In: 4544.337 $\pm$ 0.808 χ^2/NDF : 2634314.4/22

Left: 4702.320 $\pm$ 0.578 χ^2/NDF : 4223993.0/47

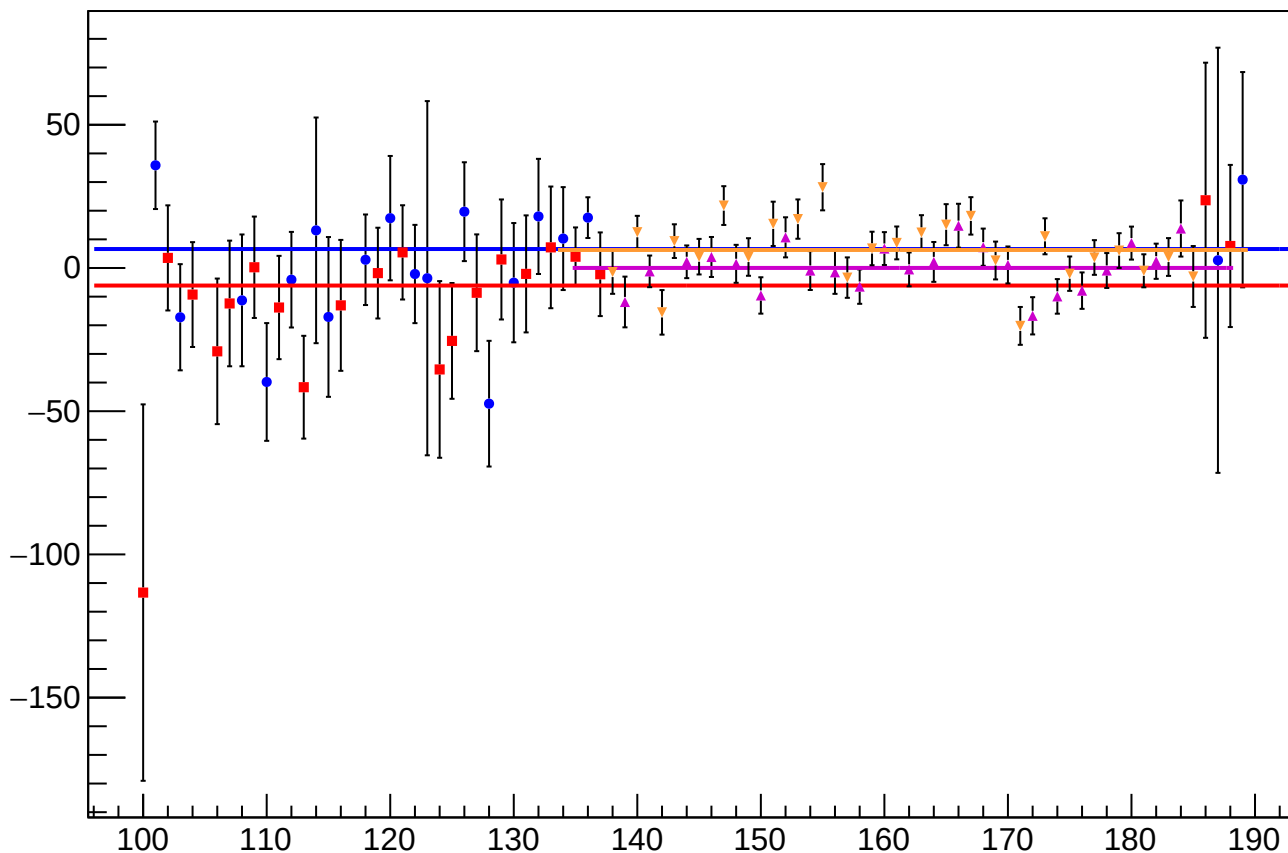
Right: 4716.677 $\pm$ 0.934 χ^2/NDF : 4028378.2/39

In: 4565.268 $\pm$ 0.690 χ^2/NDF : 4523598.2/41

Out: 4851.846 $\pm$ 0.701 χ^2/NDF : 3644020.1/45

All: 4706.302 $\pm$ 0.492 χ^2/NDF : 8252542.1/87

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.623 ± 4.058 $\chi^2/\text{NDF}: 22.9/18$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: -6.128 ± 4.170 $\chi^2/\text{NDF}: 12.9/20$

Left In: 0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

Left: 3.259 ± 0.941 $\chi^2/\text{NDF}: 97.5/47$

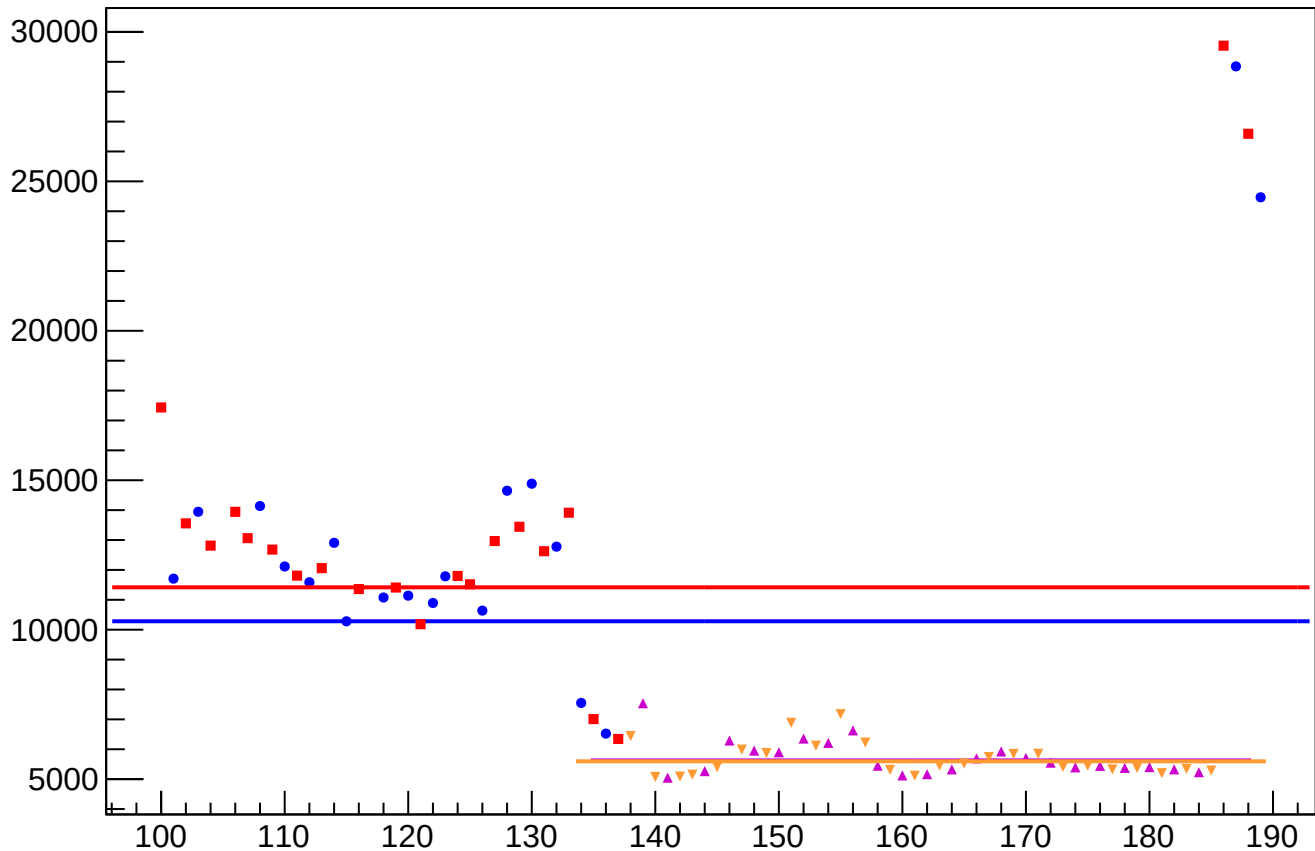
Right: 0.420 ± 2.908 $\chi^2/\text{NDF}: 40.5/39$

In: 0.681 ± 1.284 $\chi^2/\text{NDF}: 55.2/41$

Out: 5.179 ± 1.250 $\chi^2/\text{NDF}: 77.5/45$

All: 2.990 ± 0.896 $\chi^2/\text{NDF}: 138.9/87$

diff_bpm16X_rms vs Slug, Sign Corrected



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

Left: 5611.329+/-0.666 χ^2/NDF : 563855.6/47

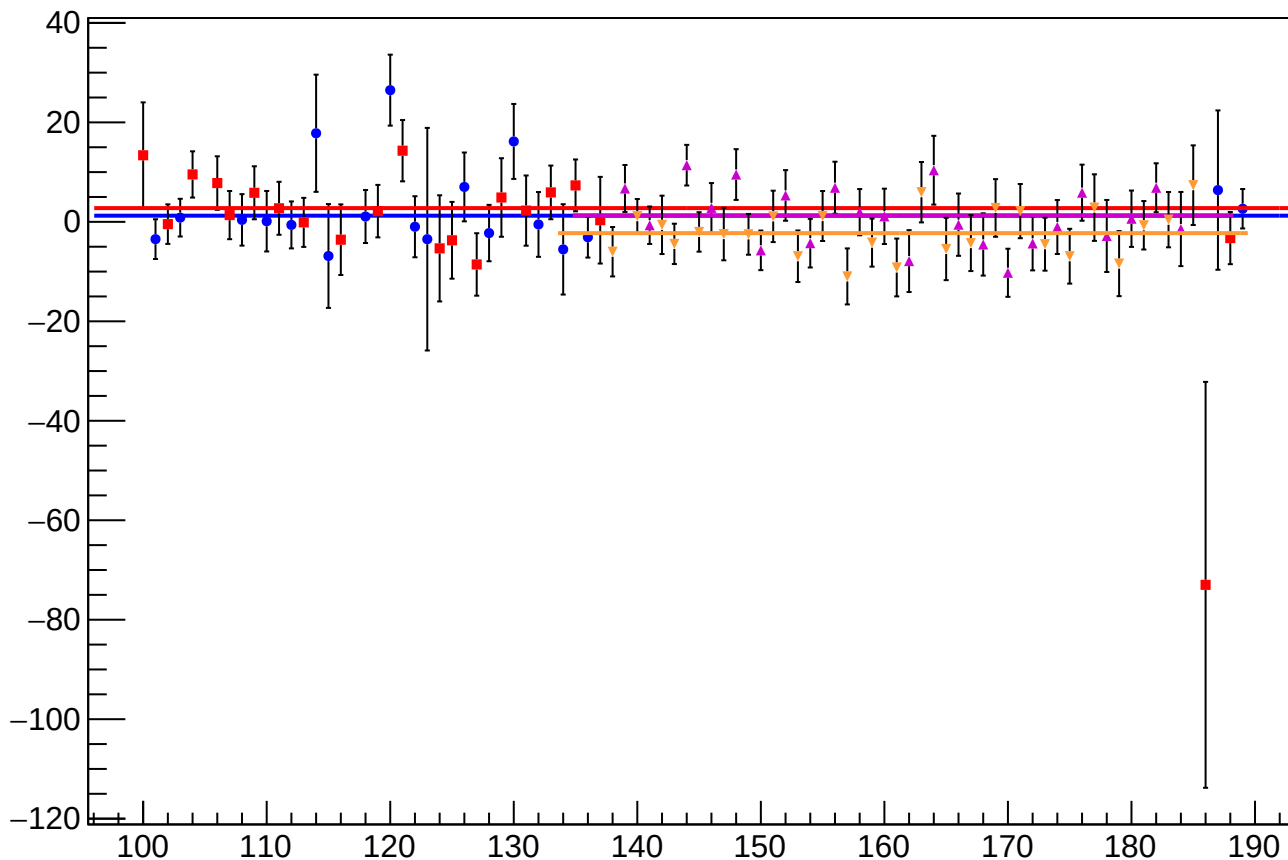
Right: 10834.541+/-2.057 χ^2/NDF : 3149166.0/39

In: 6092.918+/-0.908 χ^2/NDF : 4070653.6/41

Out: 6119.430+/-0.884 χ^2/NDF : 5481022.0/45

All: 6106.526+/-0.633 χ^2/NDF : 9552113.5/87

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.239 $\pm$ 1.320 χ^2/NDF : 23.9/18

Left Out: -2.268 $\pm$ 1.029 χ^2/NDF : 15.4/24

Right Out: 2.763 $\pm$ 1.294 χ^2/NDF : 20.3/20

Left In: 1.305 $\pm$ 1.077 χ^2/NDF : 30.8/22

Left: -0.562 $\pm$ 0.744 χ^2/NDF : 51.9/47

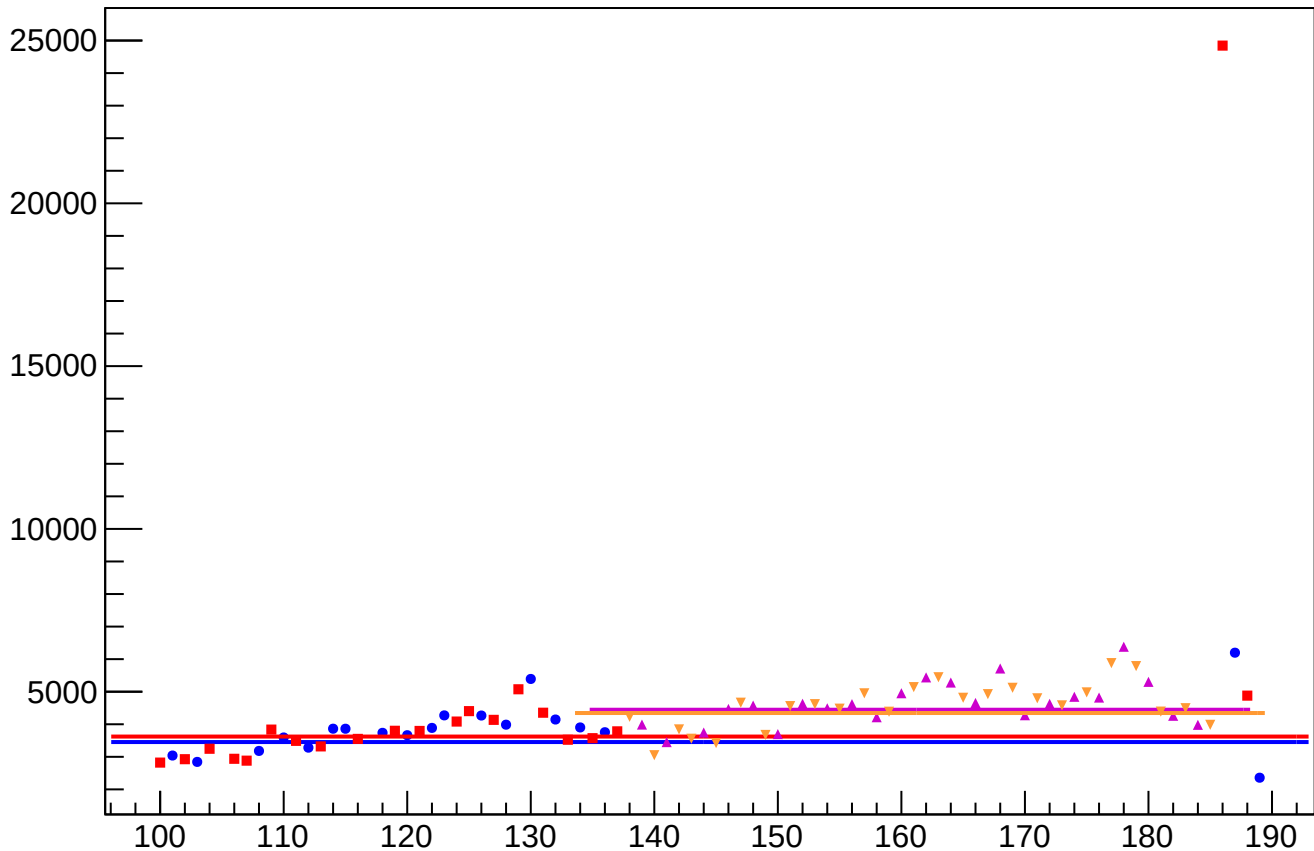
Right: 2.016 $\pm$ 0.924 χ^2/NDF : 44.8/39

In: 1.279 $\pm$ 0.835 χ^2/NDF : 54.7/41

Out: -0.317 $\pm$ 0.806 χ^2/NDF : 44.9/45

All: 0.452 $\pm$ 0.580 χ^2/NDF : 101.5/87

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3453.692 $\pm$ 0.933 χ^2/NDF : 535422.3/18

Left Out: 4345.381 $\pm$ 0.728 χ^2/NDF : 1000636.1/24

Right Out: 3622.435 $\pm$ 0.915 χ^2/NDF : 964193.5/20

Left In: 4446.181 $\pm$ 0.762 χ^2/NDF : 702797.6/22

Left: 4393.504 $\pm$ 0.526 χ^2/NDF : 1712588.4/47

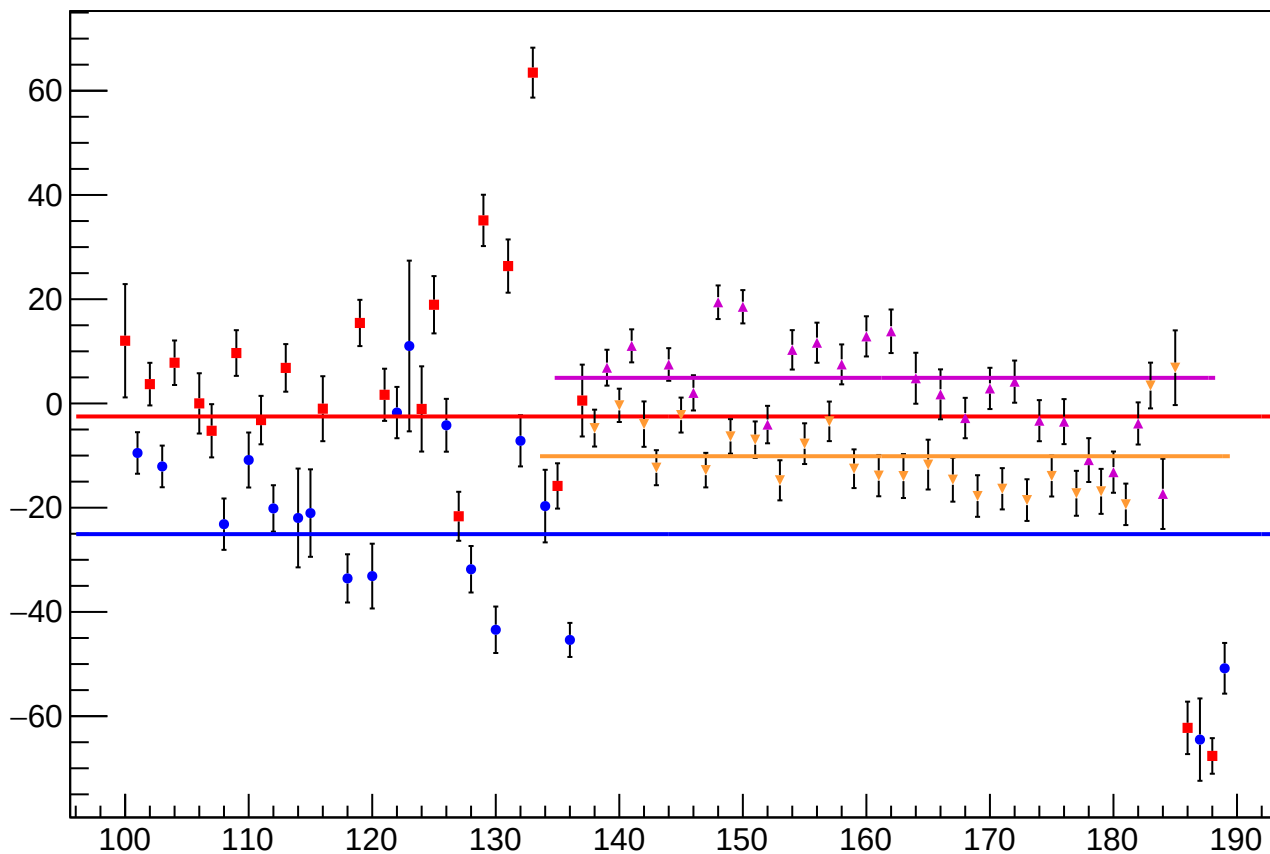
Right: 3539.759 $\pm$ 0.653 χ^2/NDF : 1516285.1/39

In: 4049.520 $\pm$ 0.590 χ^2/NDF : 1916956.0/41

Out: 4065.114 $\pm$ 0.570 χ^2/NDF : 2347220.9/45

All: 4057.592 $\pm$ 0.410 χ^2/NDF : 4264538.4/87

diff_bpm0l01X_mean vs Slug, Sign Corrected



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

Left: -2.814 ± 0.556 χ^2/NDF : 378.7/47

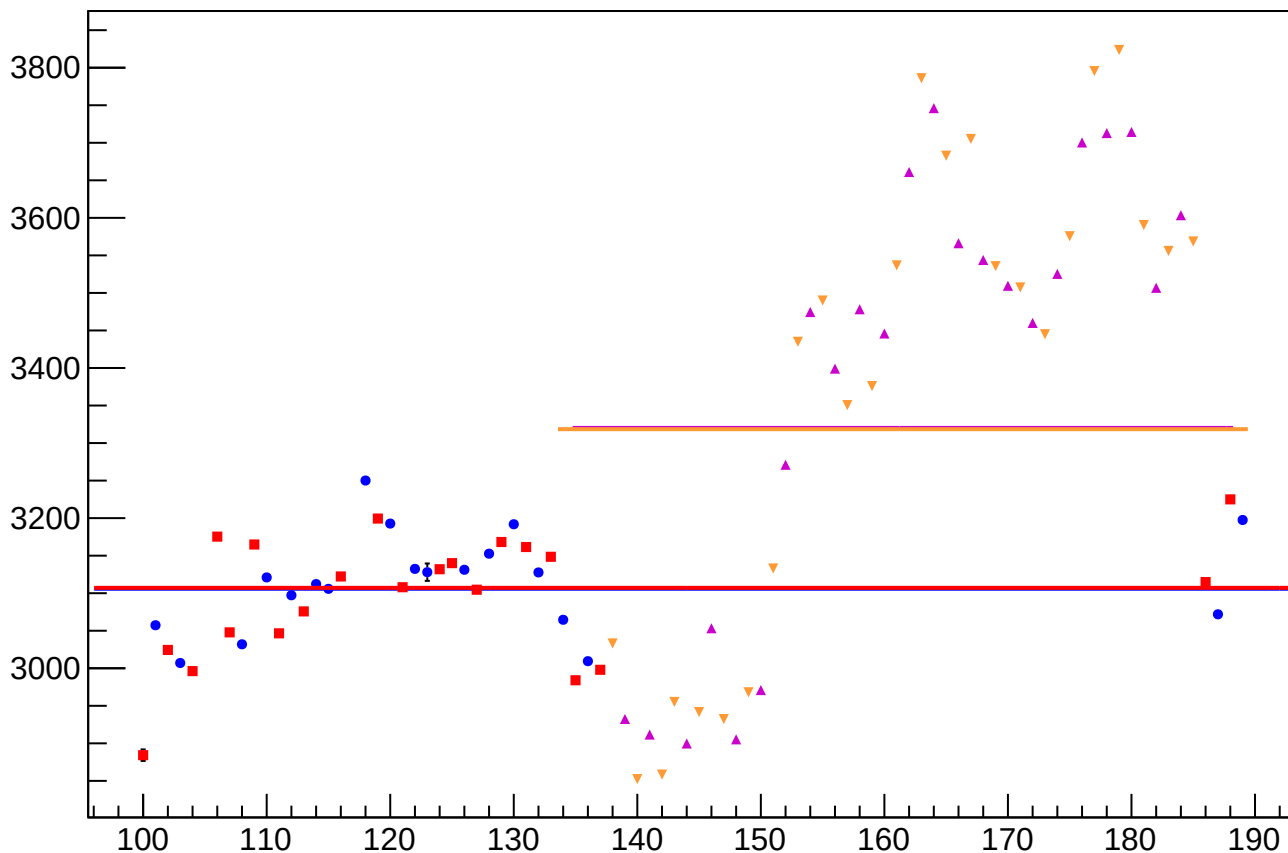
Right: -12.949 ± 0.786 χ^2/NDF : 1279.8/39

In: -4.764 ± 0.656 χ^2/NDF : 793.3/41

Out: -7.505 ± 0.628 χ^2/NDF : 966.9/45

All: -6.194 ± 0.454 χ^2/NDF : 1769.3/87

diff_bpm0l01X_rms vs Slug, Sign Corrected



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

Left: 3319.315 $\pm$ 0.393 χ^2 /NDF: 625333.6/47

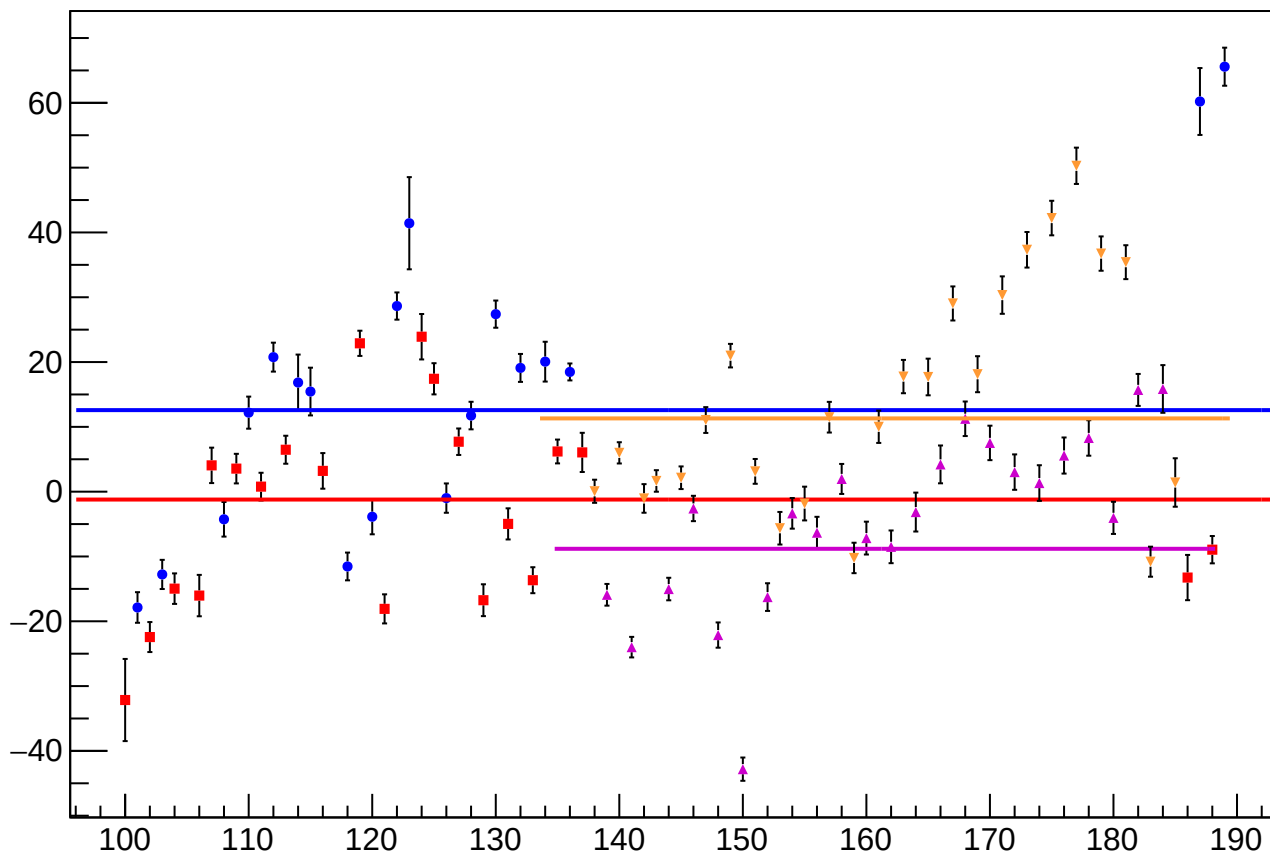
Right: 3106.596 $\pm$ 0.556 χ^2 /NDF: 18489.5/39

In: 3251.052 $\pm$ 0.464 χ^2 /NDF:342239.6/41

Out: 3245.913 $\pm$ 0.444 χ^2 /NDF:399211.1/45

All: 3248.372 $\pm$ 0.321 χ^2 /NDF: 741514.7/87

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 12.583 $\pm$ 0.549 χ^2/NDF : 1118.9/18

Left Out: 11.305 $\pm$ 0.454 χ^2/NDF : 1144.3/24

Right Out: -1.216 $\pm$ 0.524 χ^2/NDF : 656.6/20

Left In: -8.815 $\pm$ 0.475 χ^2/NDF : 942.2/22

Left: 1.711 $\pm$ 0.328 χ^2/NDF : 3023.6/47

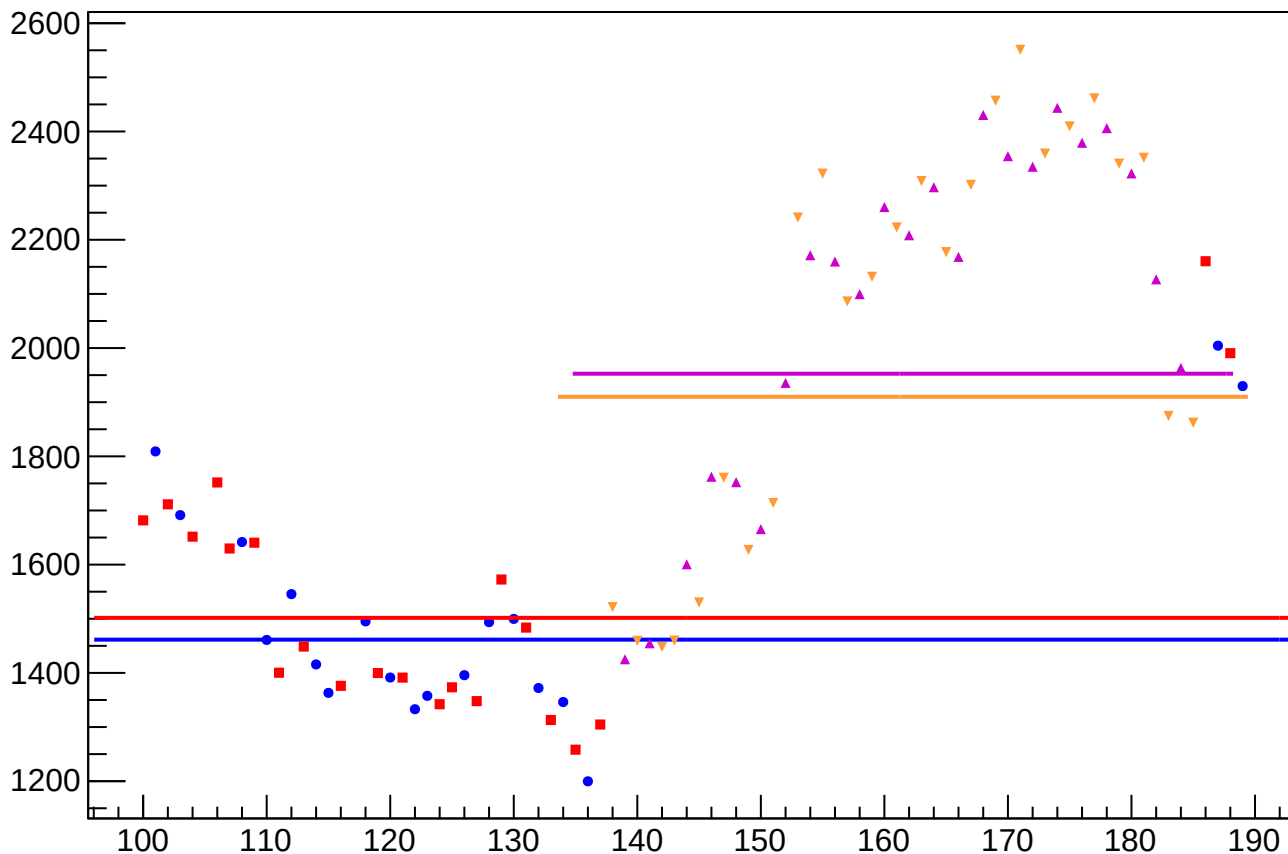
Right: 5.360 $\pm$ 0.379 χ^2/NDF : 2105.6/39

In: 0.345 $\pm$ 0.360 χ^2/NDF : 2928.5/41

Out: 5.942 $\pm$ 0.343 χ^2/NDF : 2126.9/45

All: 3.273 $\pm$ 0.248 χ^2/NDF : 5182.2/87

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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

Left: 1930.313 $\pm$ 0.232 χ^2/NDF : 2473233.3/47

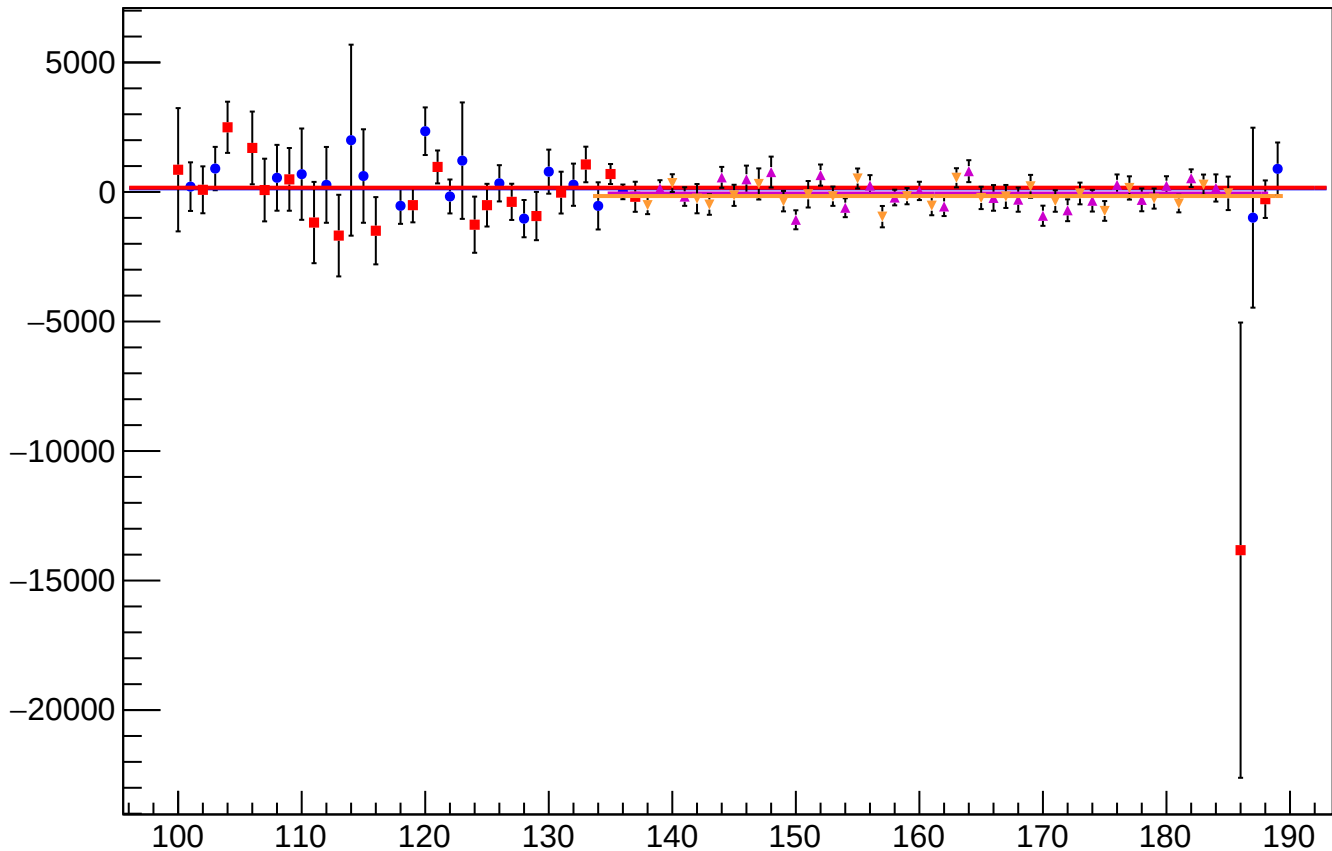
Right: 1482.518 $\pm$ 0.268 χ^2/NDF : 588682.2/39

In: 1742.374 $\pm$ 0.254 χ^2/NDF :2229140.7/41

Out: 1735.088 $\pm$ 0.243 χ^2/NDF :2426023.6/45

All: 1738.561 $\pm$ 0.176 χ^2/NDF : 4655594.2/87

asym_sam1_mean vs Slug, Sign Corrected



Right In: 140.046 $\pm$ 177.587 χ^2 /NDF: 13.3/18

Left Out: -157.242 $\pm$ 80.796 χ^2 /NDF:22.0/24

Right Out: 165.551 $\pm$ 179.015 χ^2 /NDF: 24.6/20

Left In: -58.934 $\pm$ 82.584 χ^2 /NDF:38.5/22

Left: -109.164 $\pm$ 57.753 χ^2 /NDF: 61.3/47

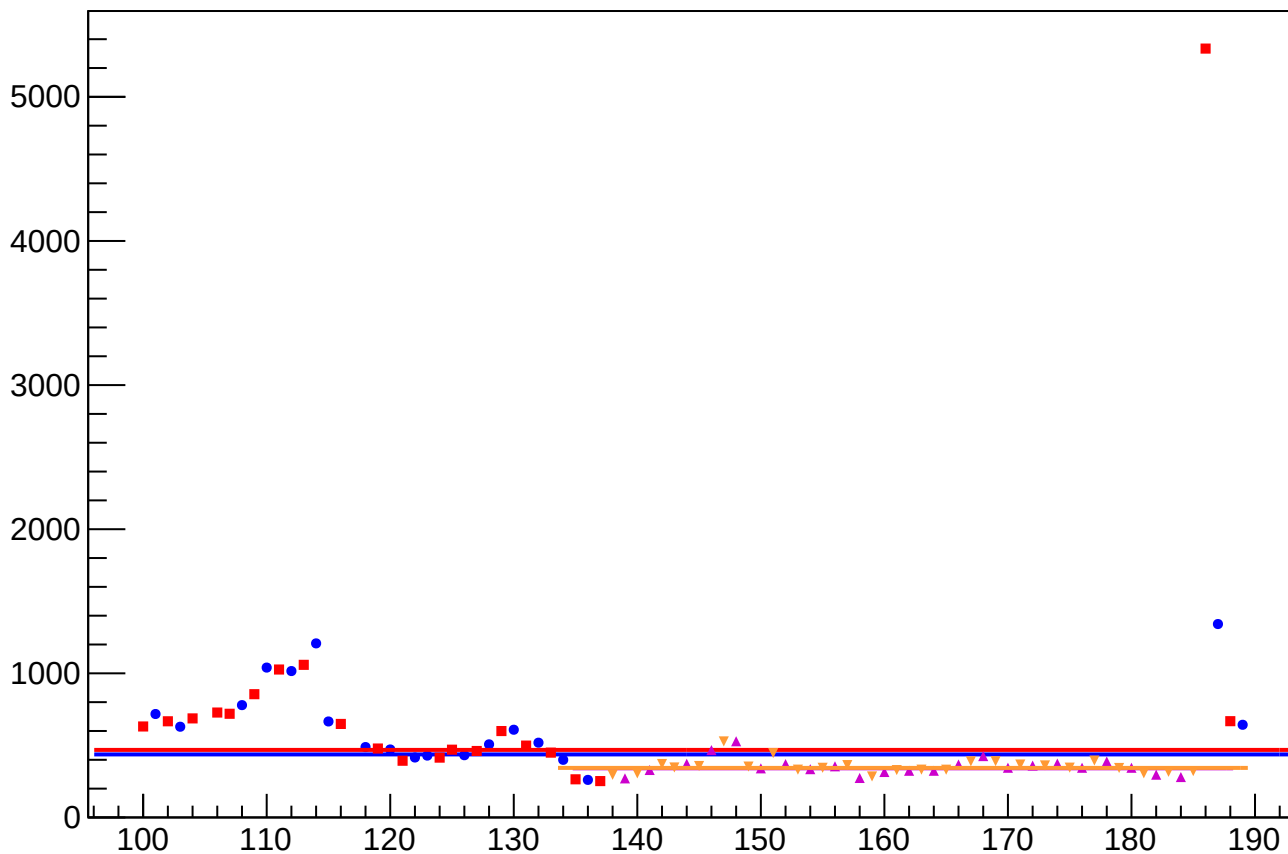
Right: 152.696 $\pm$ 126.075 χ^2 /NDF: 37.9/39

In: -23.554 $\pm$ 74.883 χ^2 /NDF:52.9/41

Out: -102.616 $\pm$ 73.643 χ^2 /NDF:49.3/45

All: -63.745 $\pm$ 52.506 χ^2 /NDF: 102.8/87

asym_sam1_rms vs Slug, Sign Corrected



Right In: 437.357+/-0.126 χ^2/NDF : 2229343.0/18

Left Out: 343.807+/-0.057 χ^2/NDF : 539431.0/24

Right Out: 468.705+/-0.127 χ^2/NDF : 2810581.1/20

Left In: 340.876+/-0.058 χ^2/NDF : 724672.0/22

Left: 342.374+/-0.041 χ^2/NDF : 1265389.7/47

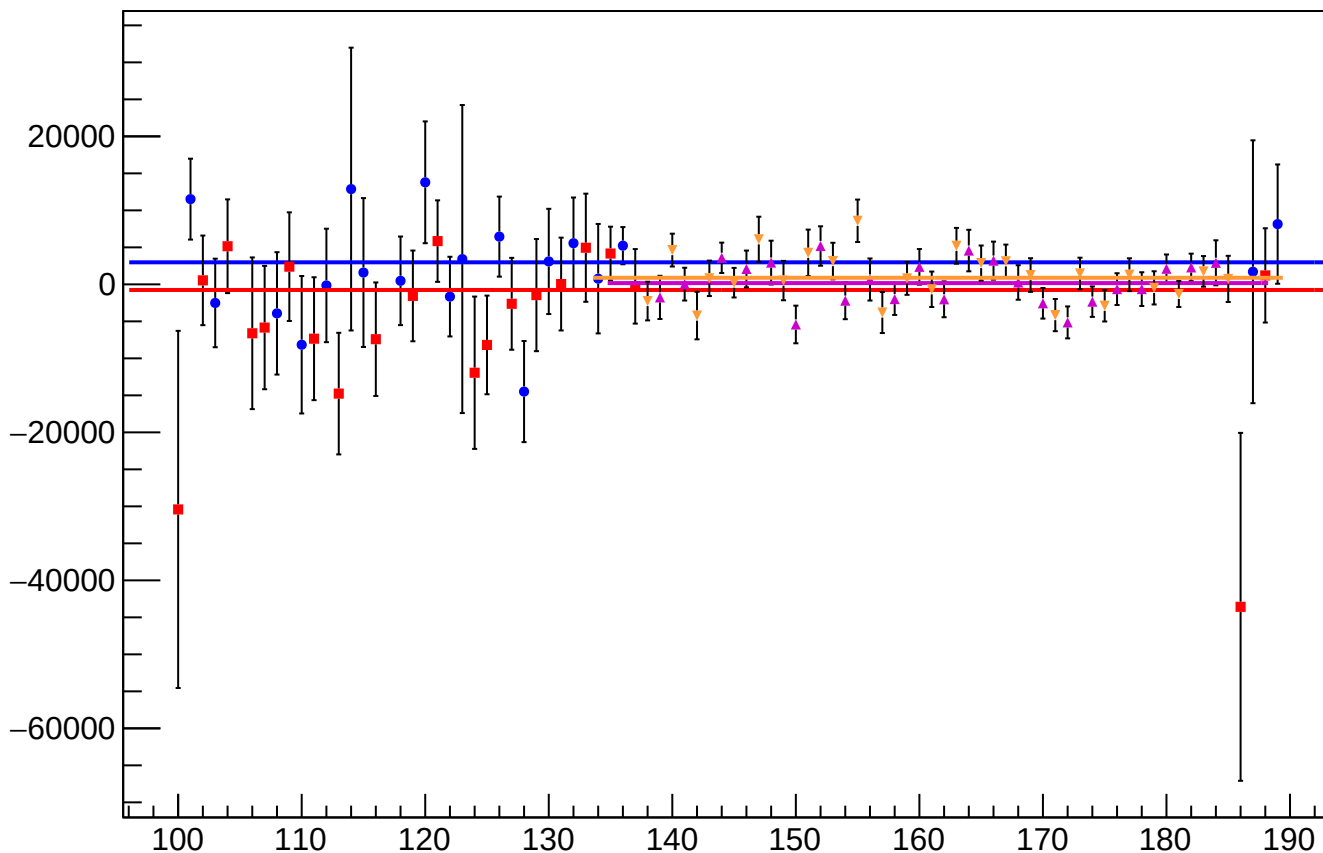
Right: 452.905+/-0.089 χ^2/NDF : 5070834.9/39

In: 358.031+/-0.053 χ^2/NDF : 3439373.7/41

Out: 364.943+/-0.052 χ^2/NDF : 4158819.3/45

All: 361.545+/-0.037 χ^2/NDF : 7606855.8/87

asym_sam2_mean vs Slug, Sign Corrected



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

Left: 542.448 $\pm$ 339.760 χ^2/NDF : 72.3/47

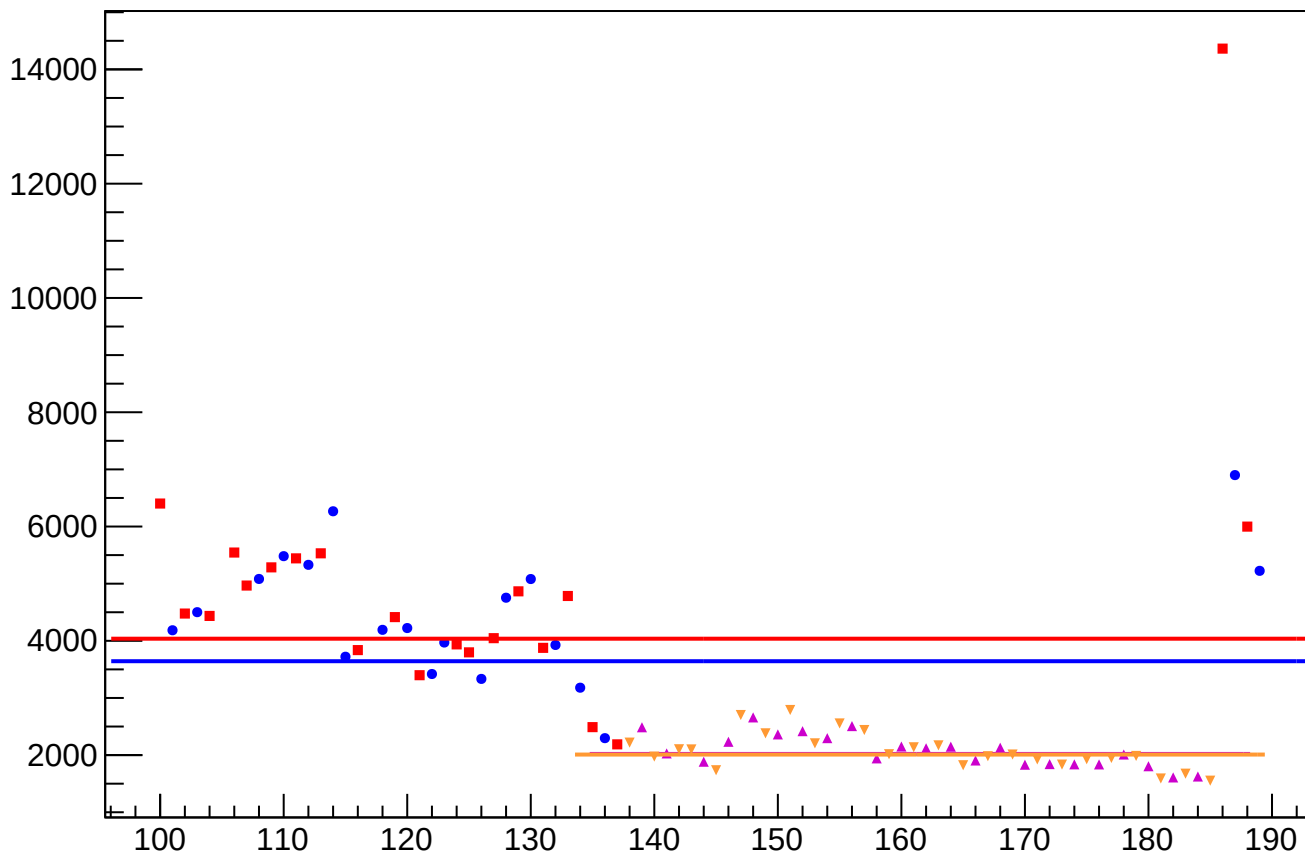
Right: 1169.106 $\pm$ 1022.128 χ^2/NDF : 37.7/39

In: 467.657 $\pm$ 461.676 χ^2/NDF : 53.6/41

Out: 735.359 $\pm$ 450.457 χ^2/NDF : 56.6/45

All: 604.800 $\pm$ 322.415 χ^2/NDF : 110.3/87

asym_sam2_rms vs Slug, Sign Corrected



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

Left: 2014.833+/-0.240 χ^2/NDF : 1283959.2/47

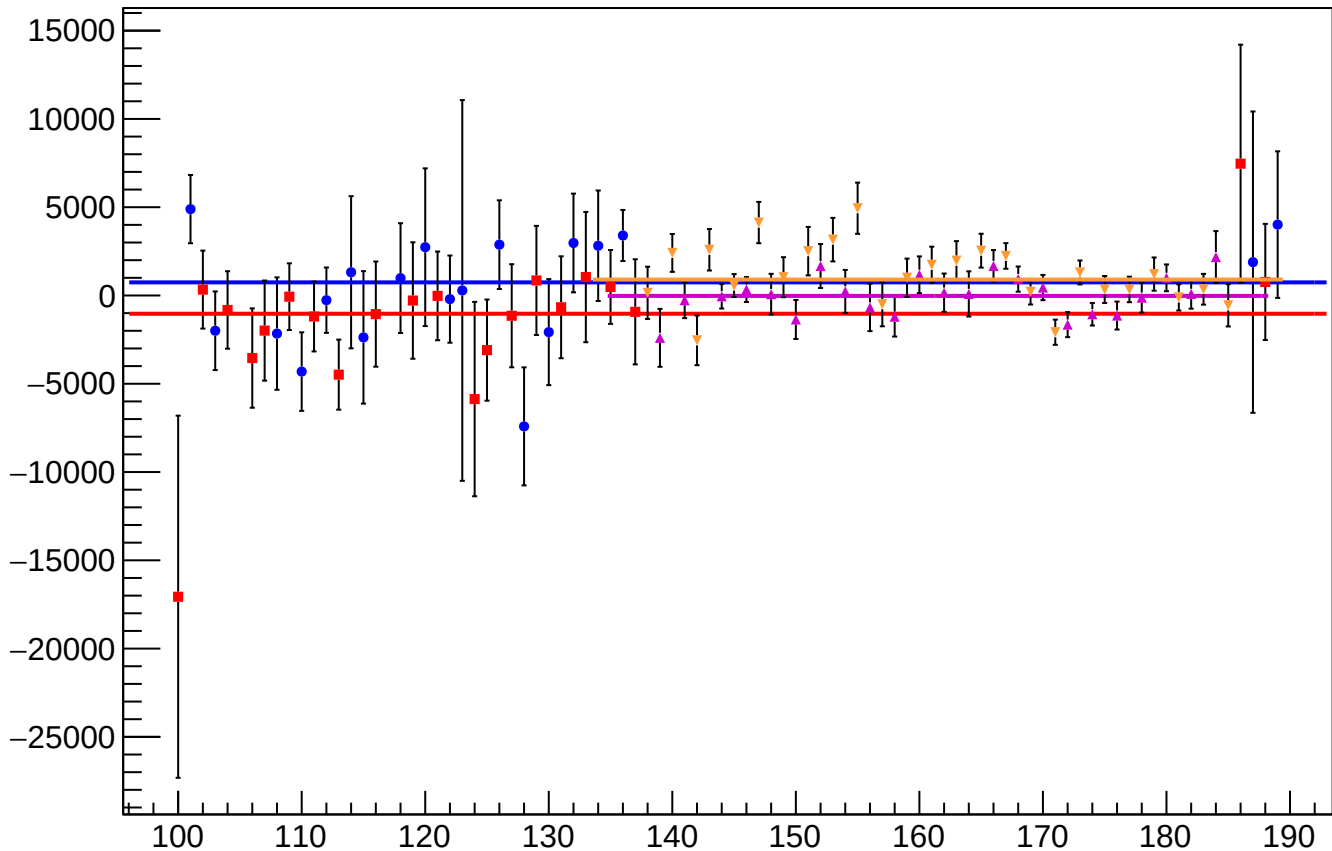
Right: 3833.891+/-0.723 χ^2/NDF : 2891904.4/39

In: 2191.119+/-0.326 χ^2/NDF : 4137191.5/41

Out: 2200.310+/-0.319 χ^2/NDF : 5742493.0/45

All: 2195.828+/-0.228 χ^2/NDF : 9880090.5/87

asym_sam3_mean vs Slug, Sign Corrected



Right In: 743.064+/-614.033 χ^2/NDF : 26.1/18

Left Out: 902.091+/-185.850 χ^2/NDF : 63.5/24

Right Out: -1033.247+/-592.102 χ^2/NDF : 11.7/20

Left In: -23.529+/-188.137 χ^2/NDF : 28.2/22

Left: 444.940+/-132.217 χ^2/NDF : 104.0/47

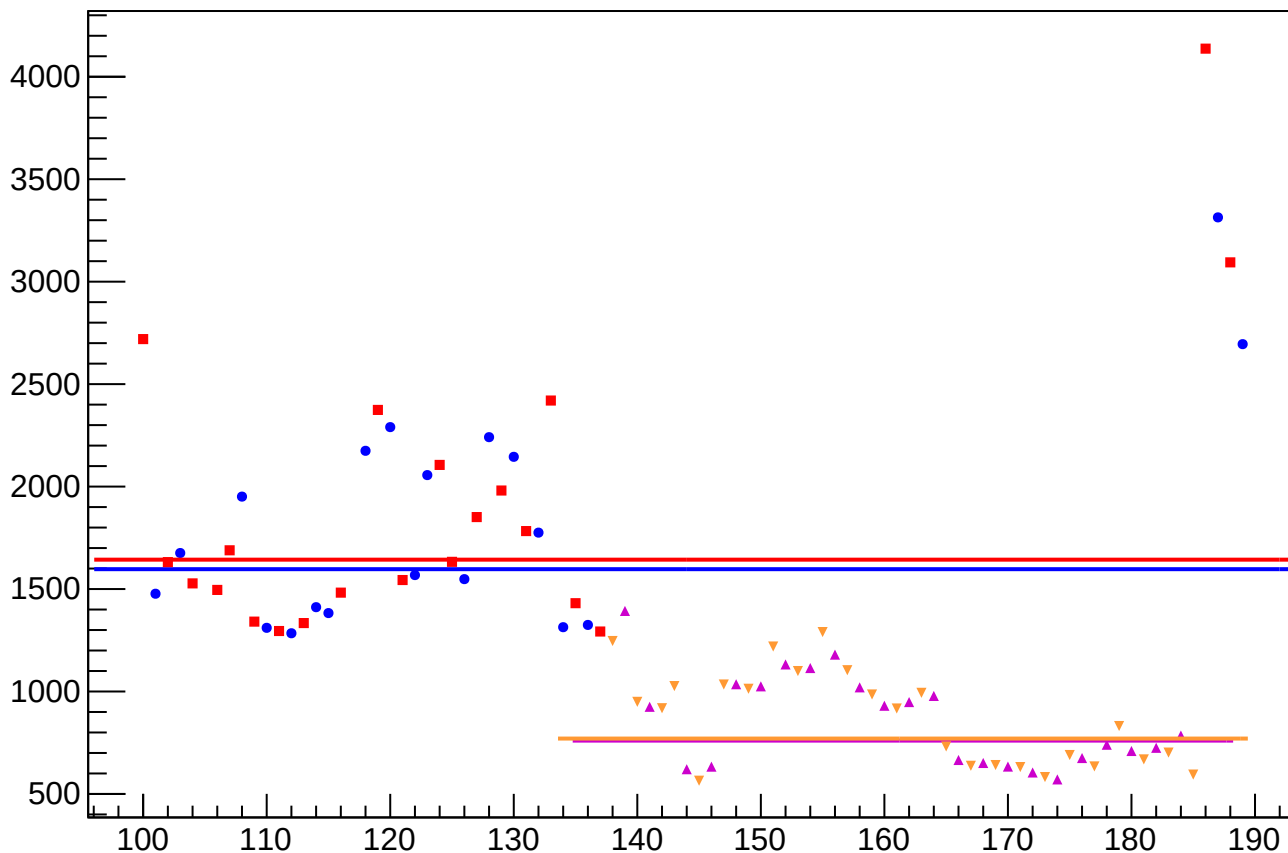
Right: -177.378+/-426.221 χ^2/NDF : 42.1/39

In: 42.261+/-179.883 χ^2/NDF : 55.8/41

Out: 728.519+/-177.320 χ^2/NDF : 84.9/45

All: 390.312+/-126.281 χ^2/NDF : 148.1/87

asym_sam3_rms vs Slug, Sign Corrected



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

Left: 765.397 $\pm$ 0.093 χ^2 /NDF: 4277246.5/47

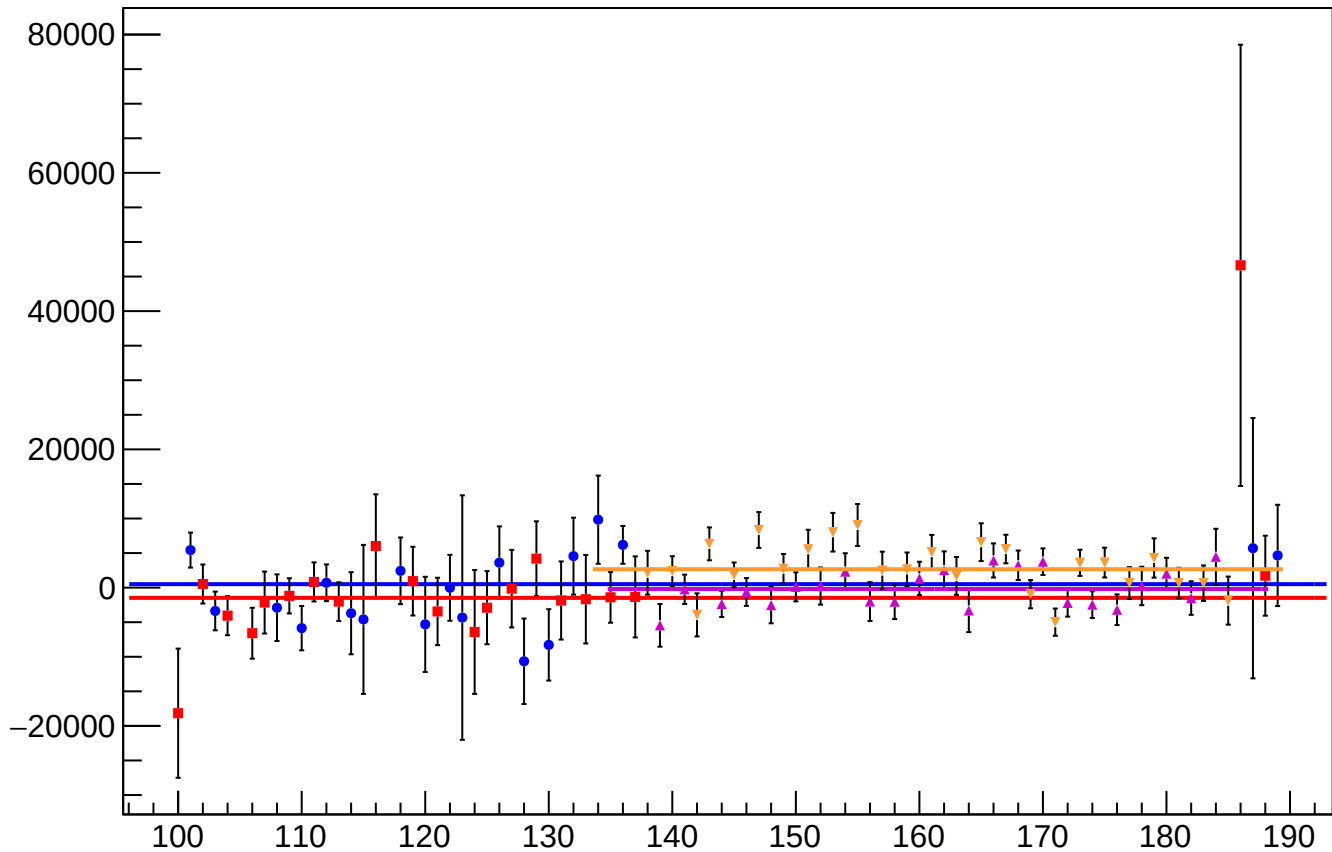
Right: 1621.007 $\pm$ 0.301 χ^2 /NDF: 1875946.6/39

In: 832.148 $\pm$ 0.127 χ^2 /NDF: 6095053.7/41

Out: 848.623 $\pm$ 0.125 χ^2 /NDF: 7401703.5/45

All: 840.503 $\pm$ 0.089 χ^2 /NDF: 13505265.3/87

asym_sam4_mean vs Slug, Sign Corrected



Right In: 502.879 $\pm$ 987.548 χ^2 /NDF: 25.7/18

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF: 49.2/24

Right Out: -1478.351 $\pm$ 913.767 χ^2 /NDF: 12.7/20

Left In: -199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

Left: 1269.388 $\pm$ 343.520 χ^2 /NDF: 92.4/47

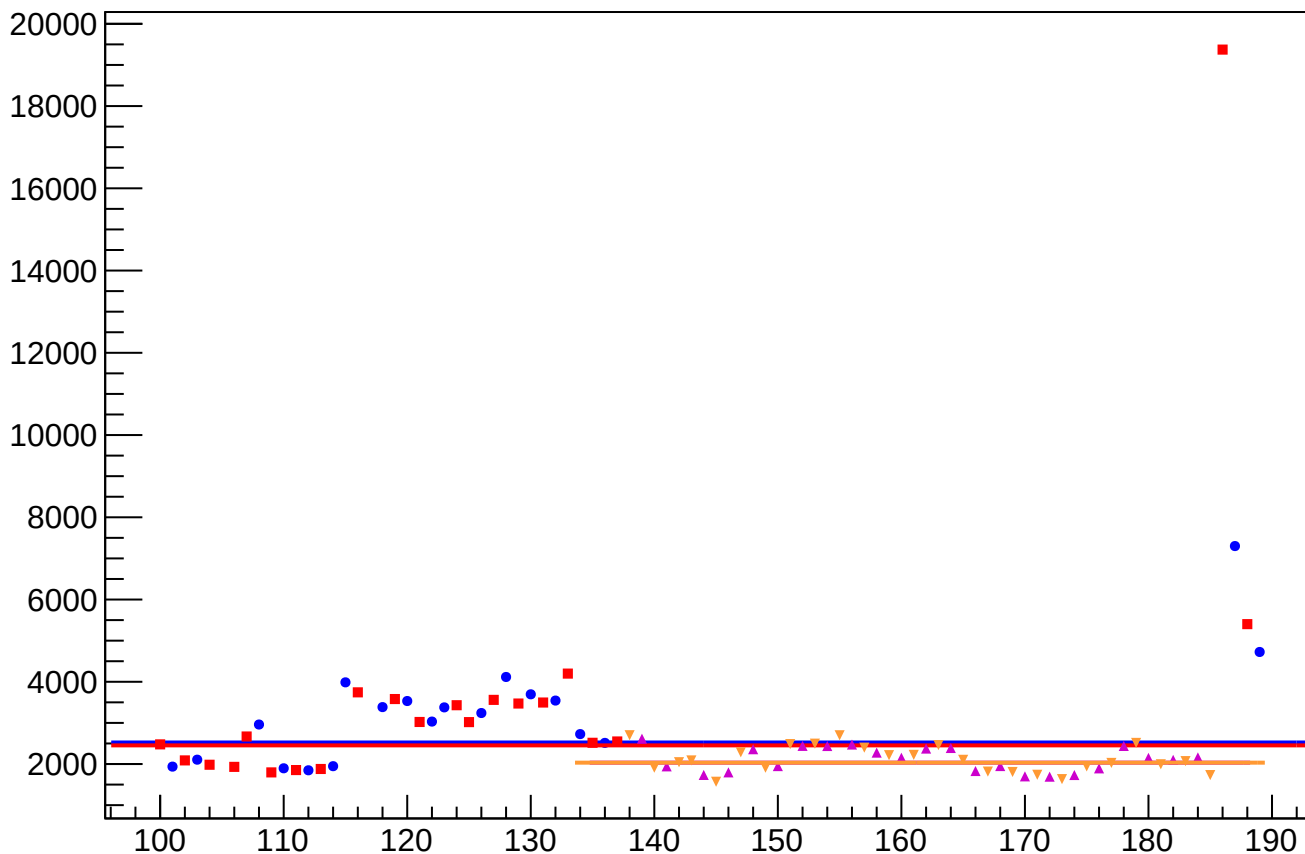
Right: -564.502 $\pm$ 670.699 χ^2 /NDF: 40.6/39

In: -59.690 $\pm$ 440.433 χ^2 /NDF: 51.9/41

Out: 1770.072 $\pm$ 424.782 χ^2 /NDF: 78.1/45

All: 888.280 $\pm$ 305.749 χ^2 /NDF: 138.9/87

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2523.531+/-0.698 χ^2/NDF : 1215492.1/18

Left Out: 2033.337+/-0.339 χ^2/NDF : 824062.2/24

Right Out: 2453.609+/-0.646 χ^2/NDF : 2126730.1/20

Left In: 2032.655+/-0.348 χ^2/NDF : 652763.7/22

Left: 2033.004+/-0.243 χ^2/NDF : 1476827.9/47

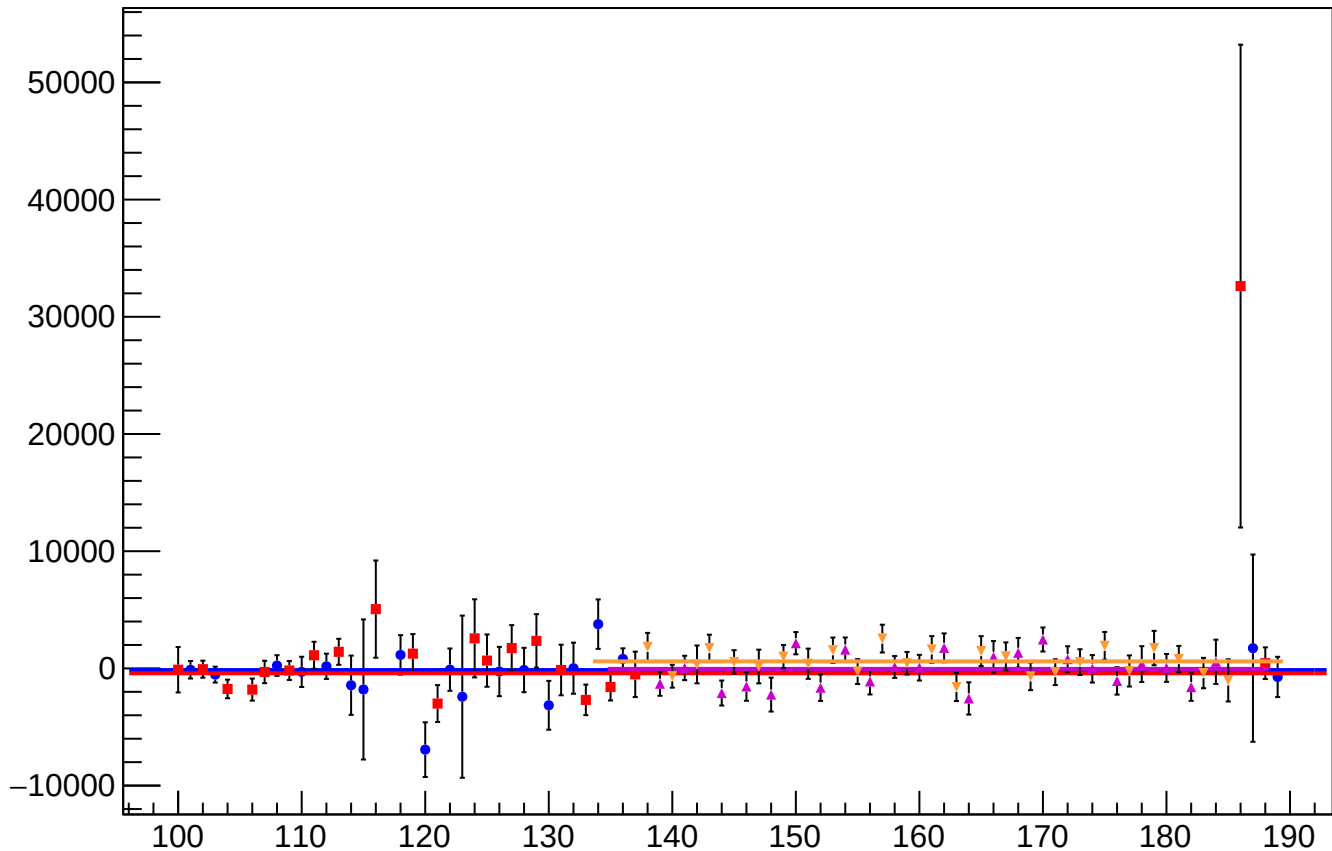
Right: 2485.861+/-0.474 χ^2/NDF : 3347623.7/39

In: 2130.292+/-0.311 χ^2/NDF : 2264115.8/41

Out: 2124.159+/-0.300 χ^2/NDF : 3282442.1/45

All: 2127.114+/-0.216 χ^2/NDF : 5546758.8/87

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.065 ± 308.398 $\chi^2/\text{NDF}: 17.0/18$

Left Out: 600.005 ± 234.968 $\chi^2/\text{NDF}: 18.5/24$

Right Out: -416.870 ± 277.066 $\chi^2/\text{NDF}: 26.1/20$

Left In: -41.559 ± 240.807 $\chi^2/\text{NDF}: 36.4/22$

Left: 287.096 ± 168.174 $\chi^2/\text{NDF}: 58.5/47$

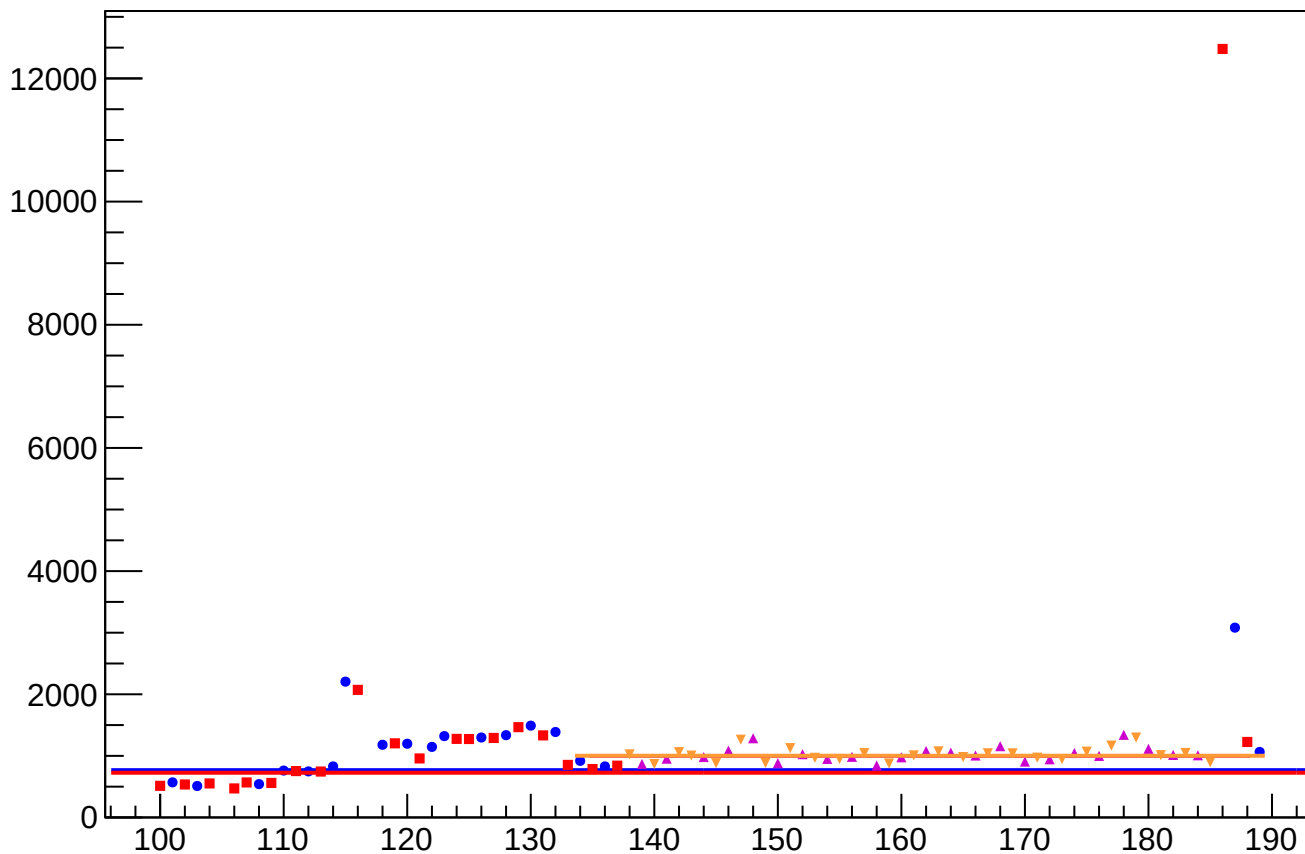
Right: -293.685 ± 206.105 $\chi^2/\text{NDF}: 43.5/39$

In: -79.249 ± 189.800 $\chi^2/\text{NDF}: 53.4/41$

Out: 174.611 ± 179.203 $\chi^2/\text{NDF}: 52.4/45$

All: 54.966 ± 130.301 $\chi^2/\text{NDF}: 106.8/87$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 767.661 $\pm$ 0.218 χ^2 /NDF: 1919979.6/18

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 726.330 $\pm$ 0.196 χ^2 /NDF: 2629492.4/20

Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

Left: 999.803 $\pm$ 0.119 χ^2 /NDF: 775162.3/47

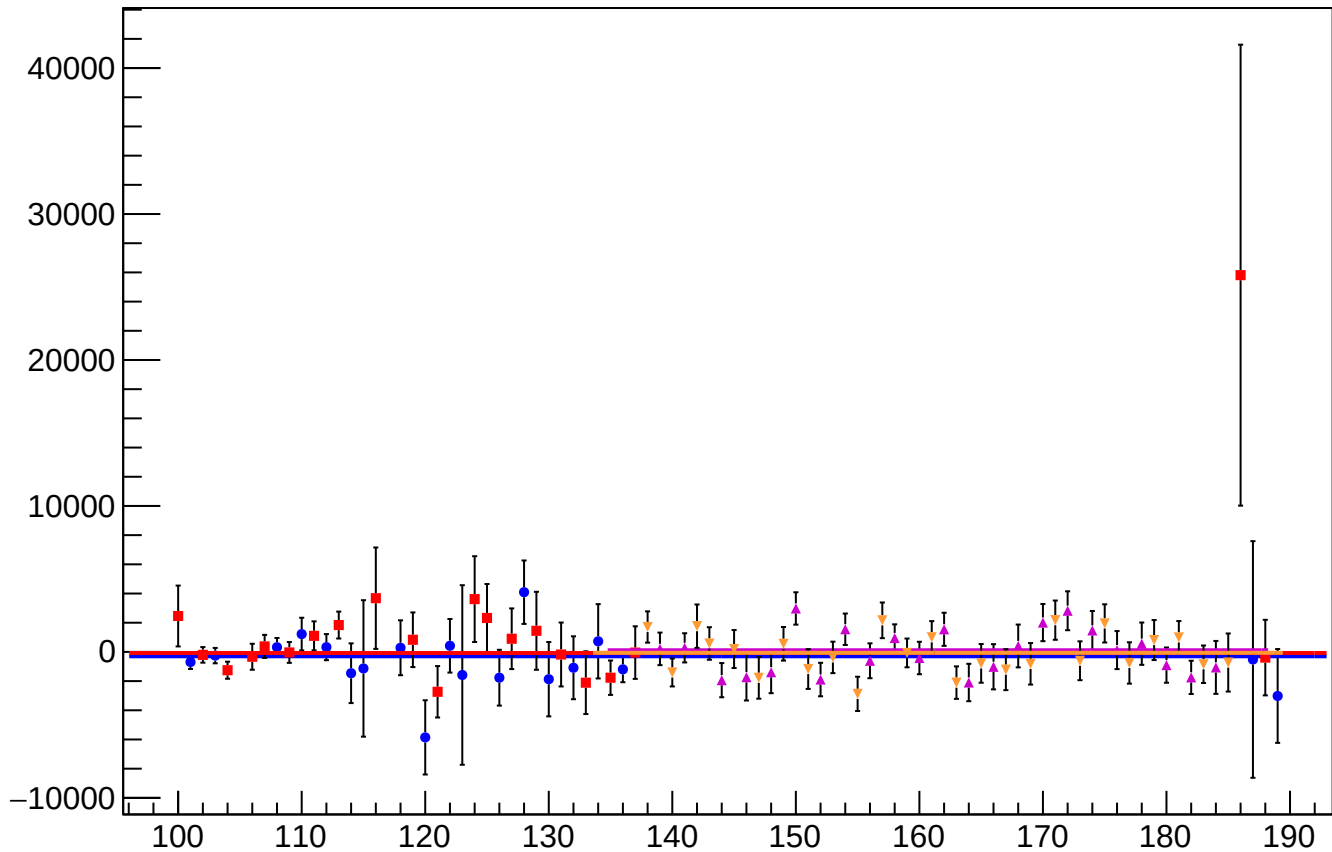
Right: 744.790 $\pm$ 0.146 χ^2 /NDF: 4569349.4/39

In: 910.786 $\pm$ 0.134 χ^2 /NDF: 3018041.6/41

Out: 886.370 $\pm$ 0.127 χ^2 /NDF: 4147015.7/45

All: 897.878 $\pm$ 0.092 χ^2 /NDF: 7182554.9/87

asym_sam6_mean vs Slug, Sign Corrected



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

Left: 23.230+/-177.369 χ^2/NDF : 66.1/47

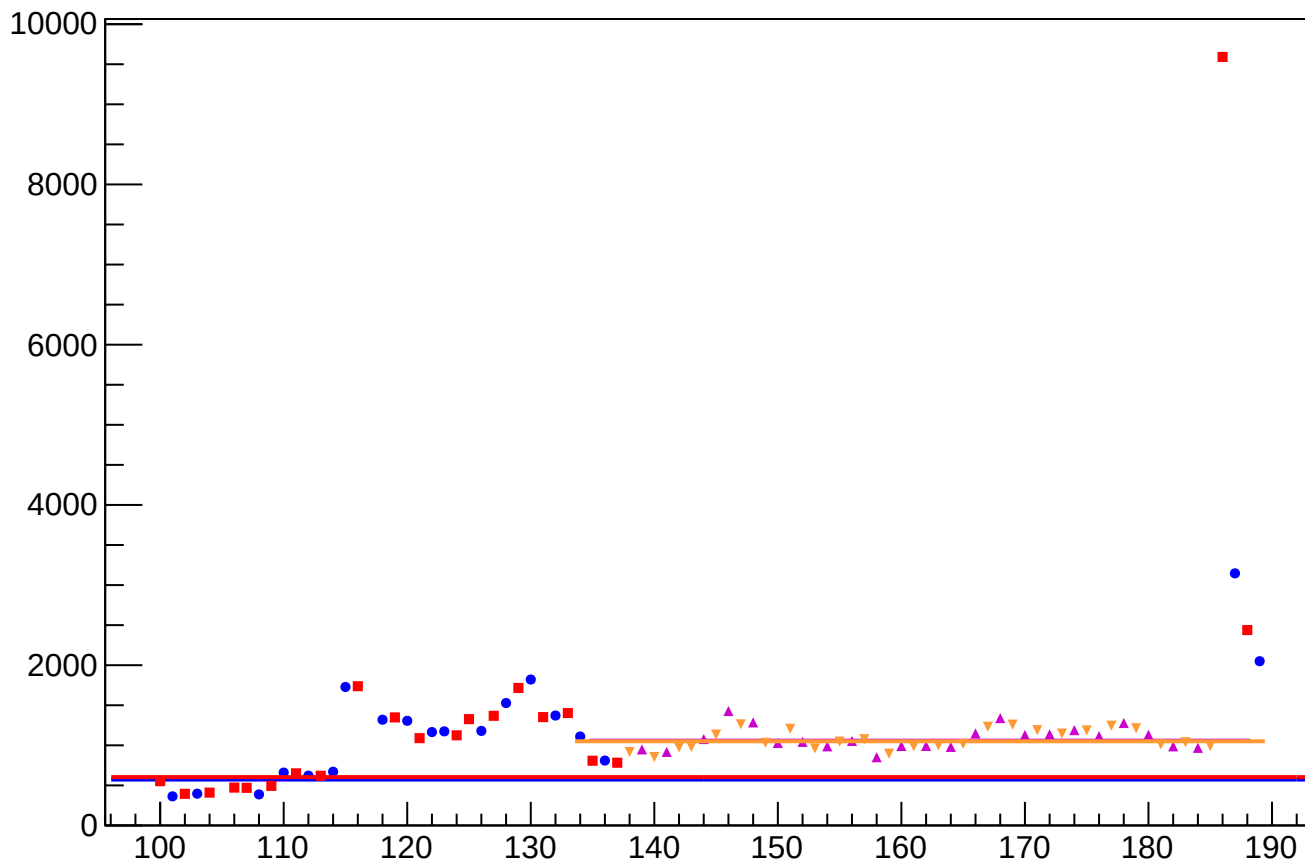
Right: -184.878+/-174.943 χ^2/NDF : 41.2/39

In: -98.334+/-178.587 χ^2/NDF : 52.7/41

Out: -67.031+/-173.797 χ^2/NDF : 55.3/45

All: -82.257+/-124.552 χ^2/NDF : 108.0/87

asym_sam6_rms vs Slug, Sign Corrected



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

Left: 1054.241+/-0.125 χ^2/NDF : 1012599.4/47

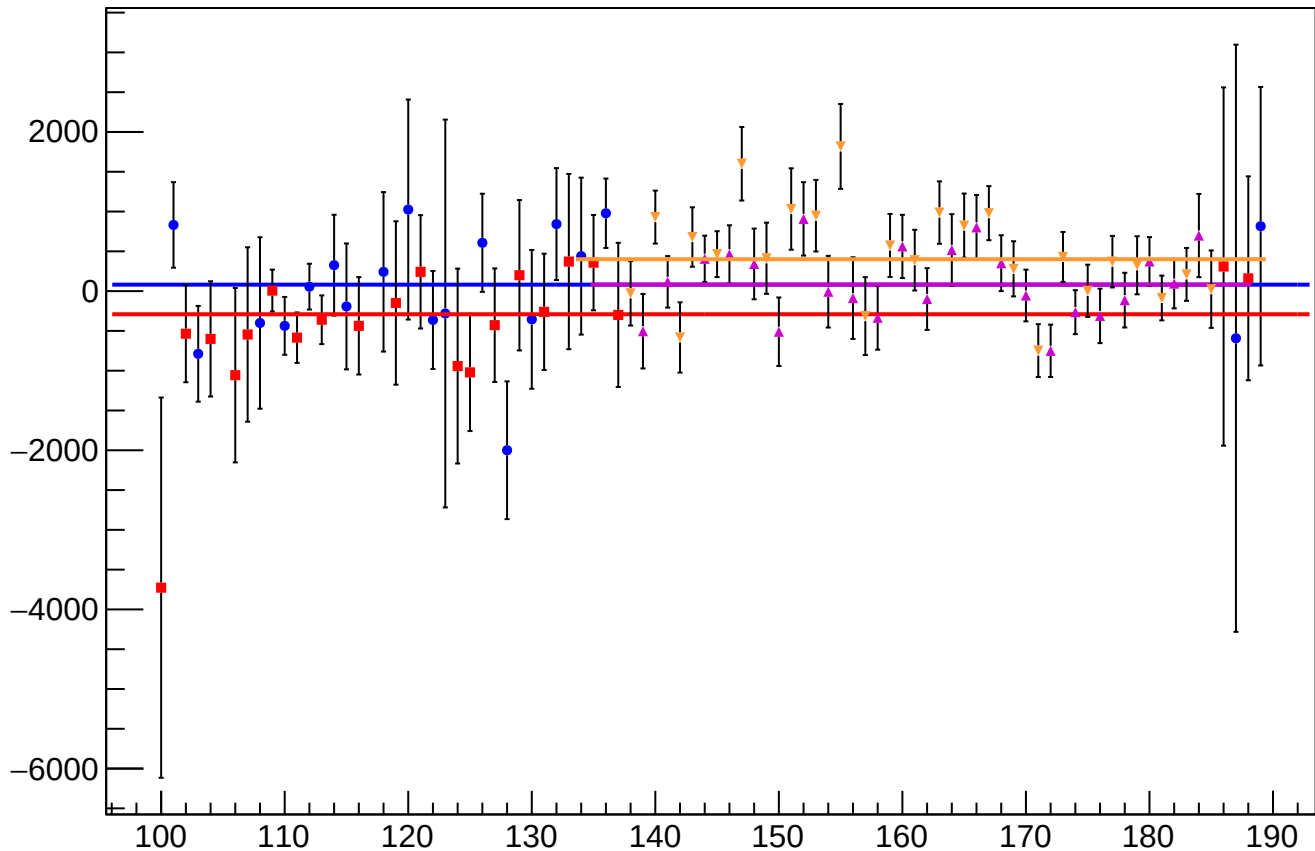
Right: 588.239+/-0.124 χ^2/NDF : 8332970.5/39

In: 810.049+/-0.126 χ^2/NDF : 8058900.5/41

Out: 825.590+/-0.123 χ^2/NDF : 8276685.9/45

All: 818.031+/-0.088 χ^2/NDF : 16343365.5/87

asym_sam7_mean vs Slug, Sign Corrected



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

Left: 246.889+/-53.526 χ^2/NDF : 89.9/47

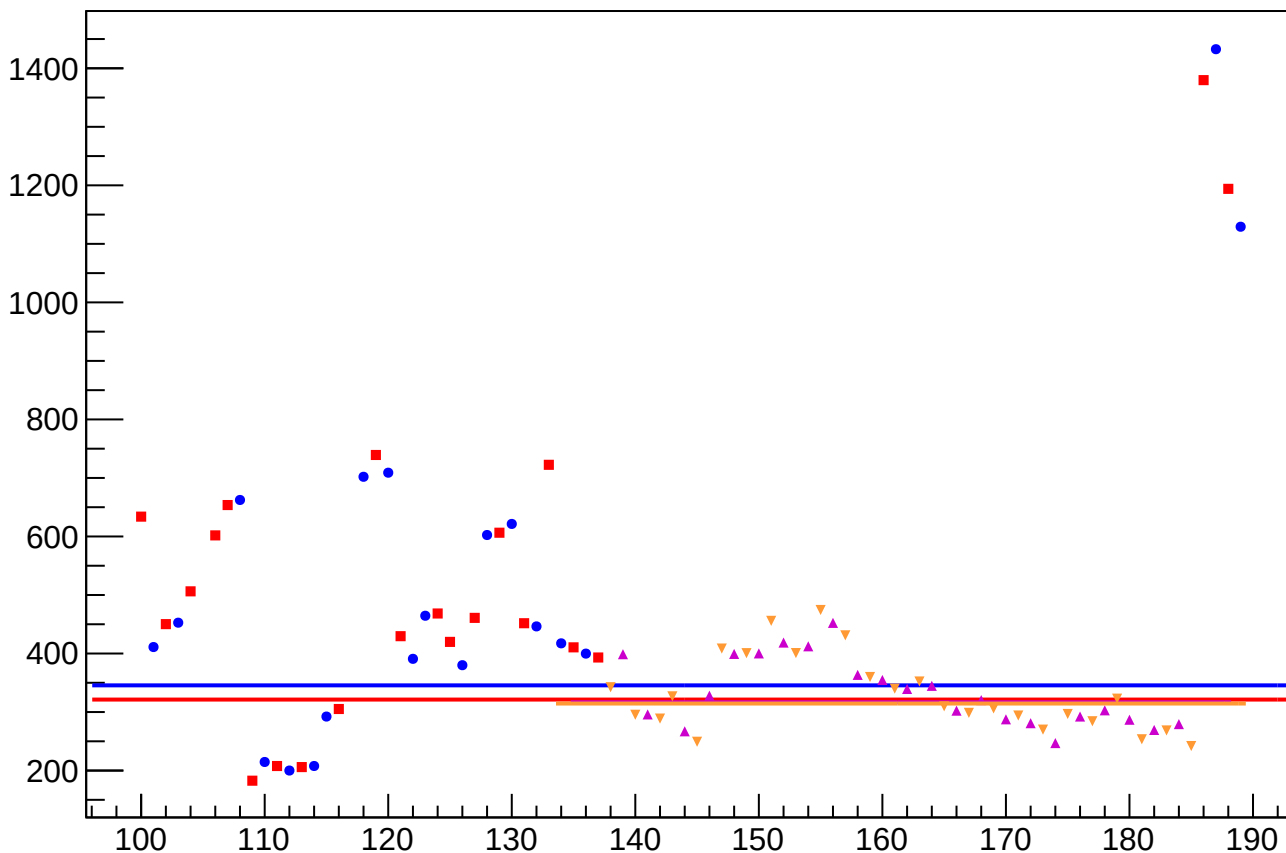
Right: -123.396+/-95.666 χ^2/NDF : 32.9/39

In: 82.538+/-67.697 χ^2/NDF :49.1/41

Out: 227.740+/-64.537 χ^2/NDF :82.7/45

All: 158.607+/-46.712 χ^2/NDF : 134.2/87

asym_sam7_rms vs Slug, Sign Corrected



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

Left: 315.560 ± 0.038 χ^2/NDF : 2034094.8/47

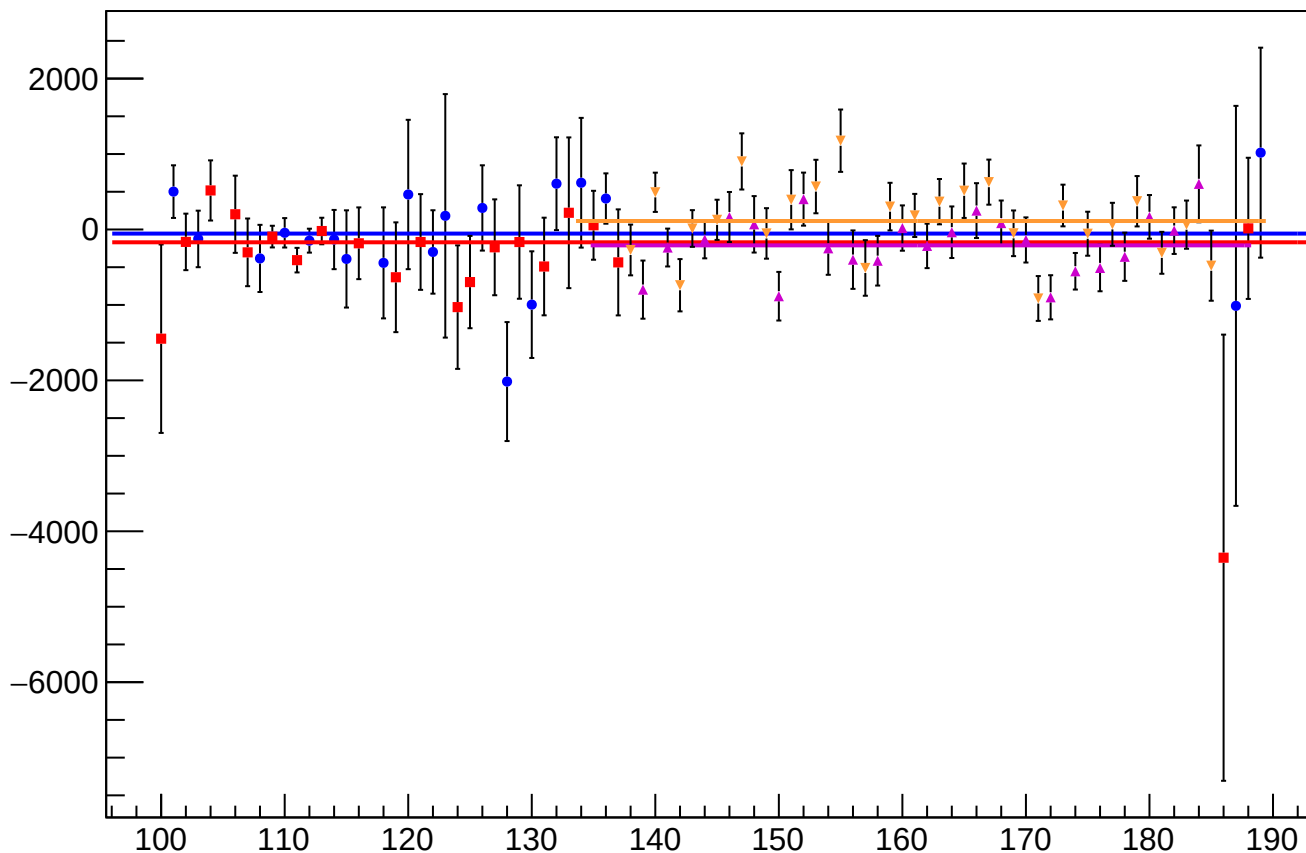
Right: 332.229 ± 0.068 χ^2/NDF : 6740050.3/39

In: 323.164 ± 0.048 χ^2/NDF : 3571632.5/41

Out: 316.235 ± 0.046 χ^2/NDF : 5237782.7/45

All: 319.534 ± 0.033 χ^2/NDF : 8820391.4/87

asym_sam8_mean vs Slug, Sign Corrected



Right In: -54.417 ± 90.450 χ^2/NDF : 17.3/18

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: -169.904 ± 76.683 χ^2/NDF : 12.8/20

Left In: -210.453 ± 65.510 χ^2/NDF : 29.2/22

Left: -41.890 ± 45.275 χ^2/NDF : 91.0/47

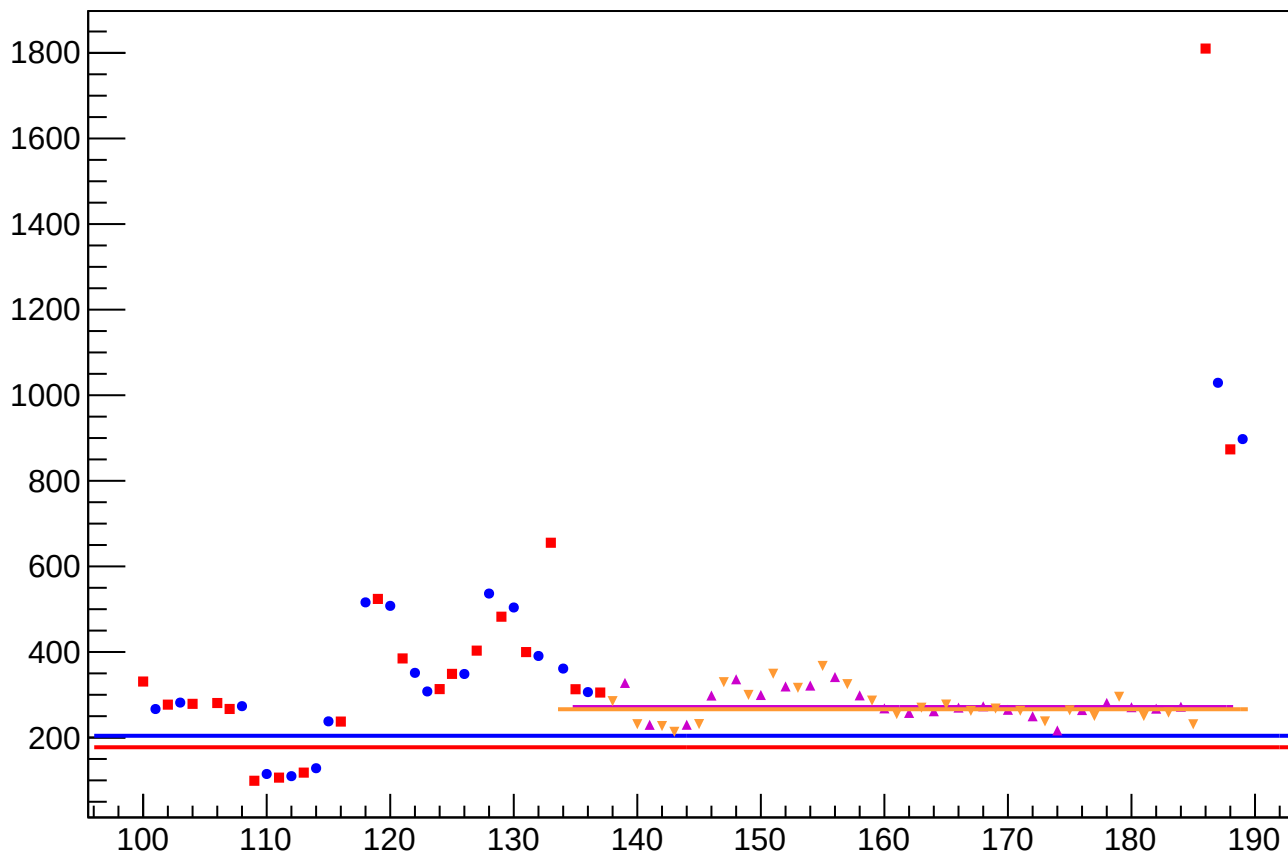
Right: -121.609 ± 58.491 χ^2/NDF : 31.1/39

In: -156.764 ± 53.056 χ^2/NDF : 48.4/41

Out: -0.686 ± 48.513 χ^2/NDF : 70.1/45

All: -71.758 ± 35.803 χ^2/NDF : 123.2/87

asym_sam8_rms vs Slug, Sign Corrected



Right In: 204.194+/-0.064 χ^2/NDF : 4075775.4/18

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 177.365+/-0.054 χ^2/NDF : 5811992.1/20

Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

Left: 268.695+/-0.032 χ^2/NDF : 1178109.8/47

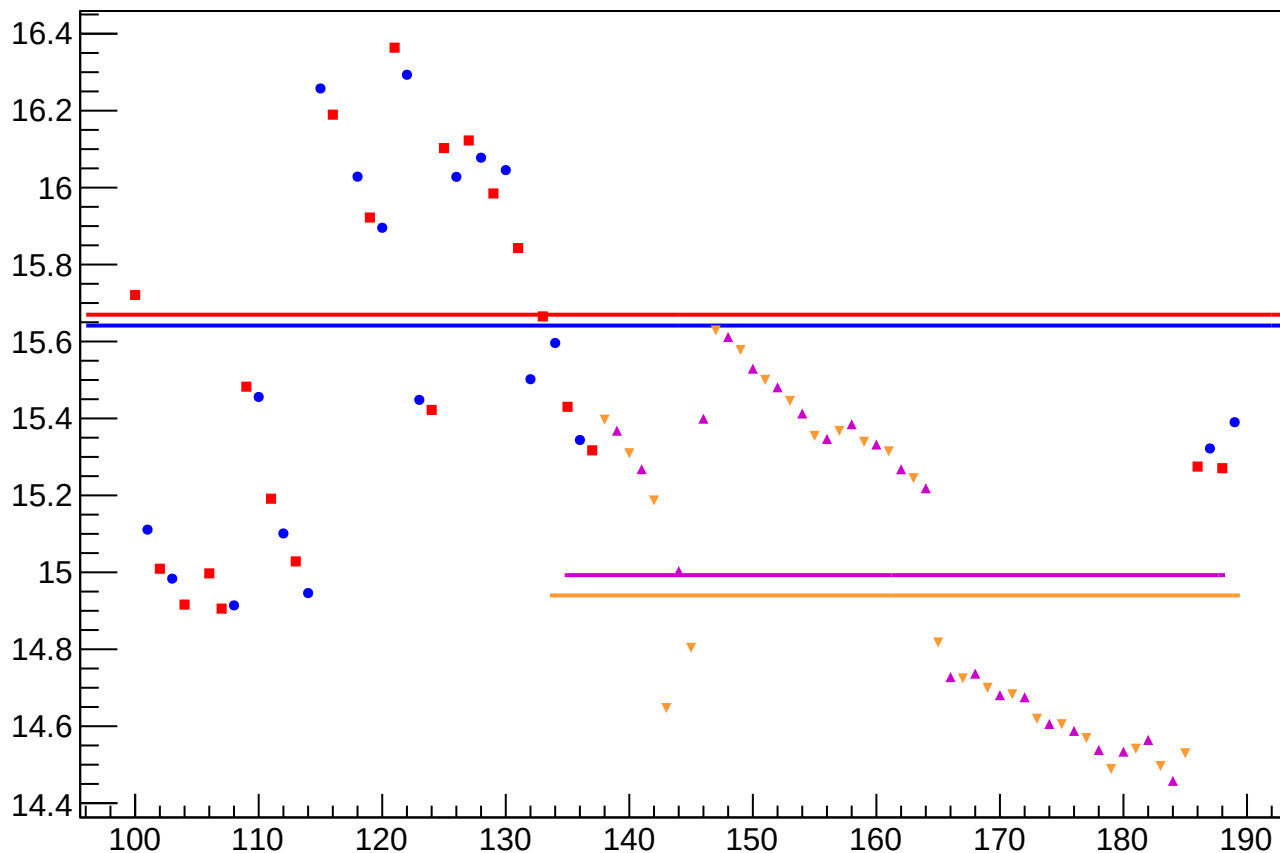
Right: 188.585+/-0.041 χ^2/NDF : 9990144.8/39

In: 248.286+/-0.038 χ^2/NDF : 5322210.8/41

Out: 230.649+/-0.034 χ^2/NDF : 8071683.5/45

All: 238.680+/-0.025 χ^2/NDF : 13514264.4/87

yield_sam1_mean vs Slug, Sign Corrected



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

Left: 14.965+/-0.000 χ^2/NDF : 46444749587.5/47

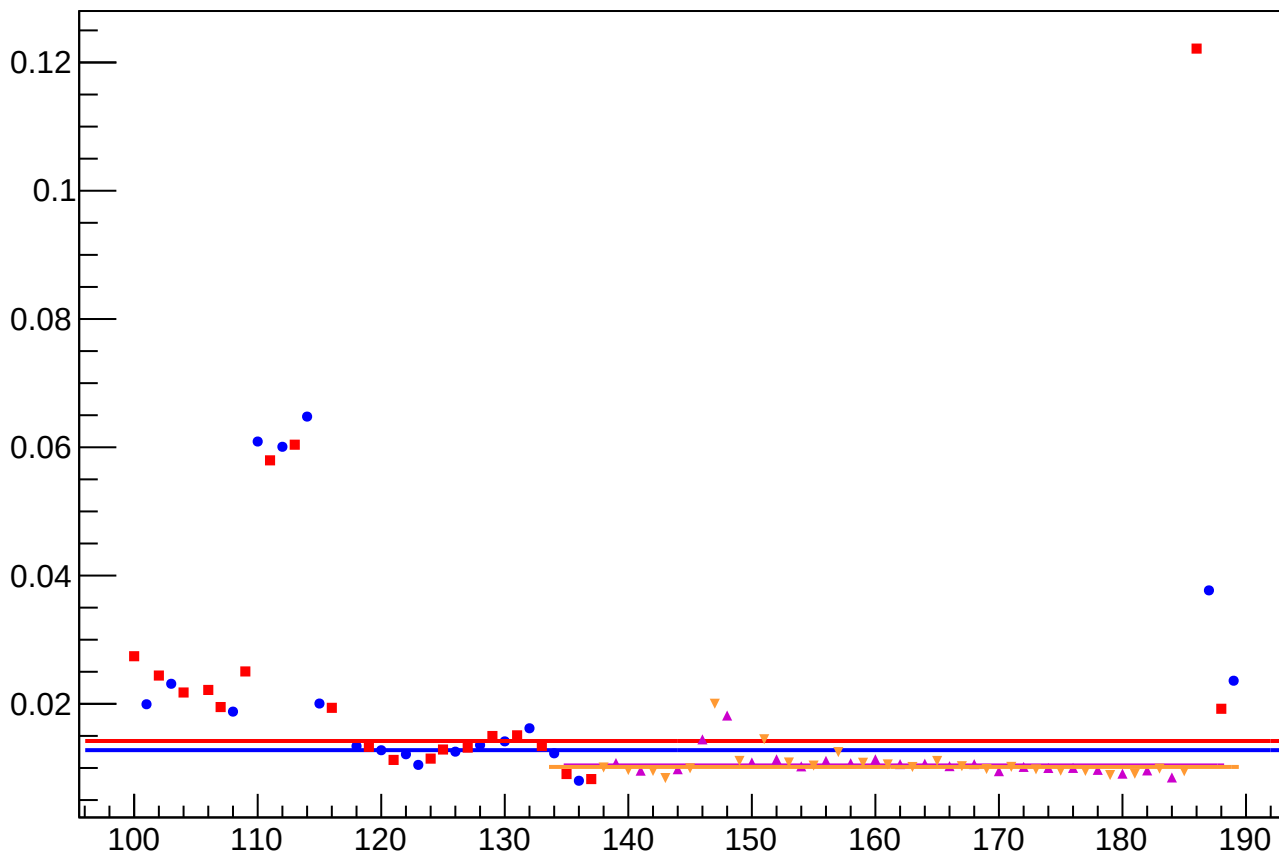
Right: 15.655+/-0.000 χ^2/NDF : 11047736164.8/39

In: 15.111+/-0.000 χ^2/NDF : 39198133793.4/41

Out: 15.054+/-0.000 χ^2/NDF : 43719268145.9/45

All: 15.082+/-0.000 χ^2/NDF : 83223351955.8

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF : 2446903.2/18

Left Out: 0.010+/-0.000 χ^2/NDF : 717351.4/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2768144.9/20

Left In: 0.010+/-0.000 χ^2/NDF : 544268.8/22

Left: 0.010+/-0.000 χ^2/NDF : 1270343.0/47

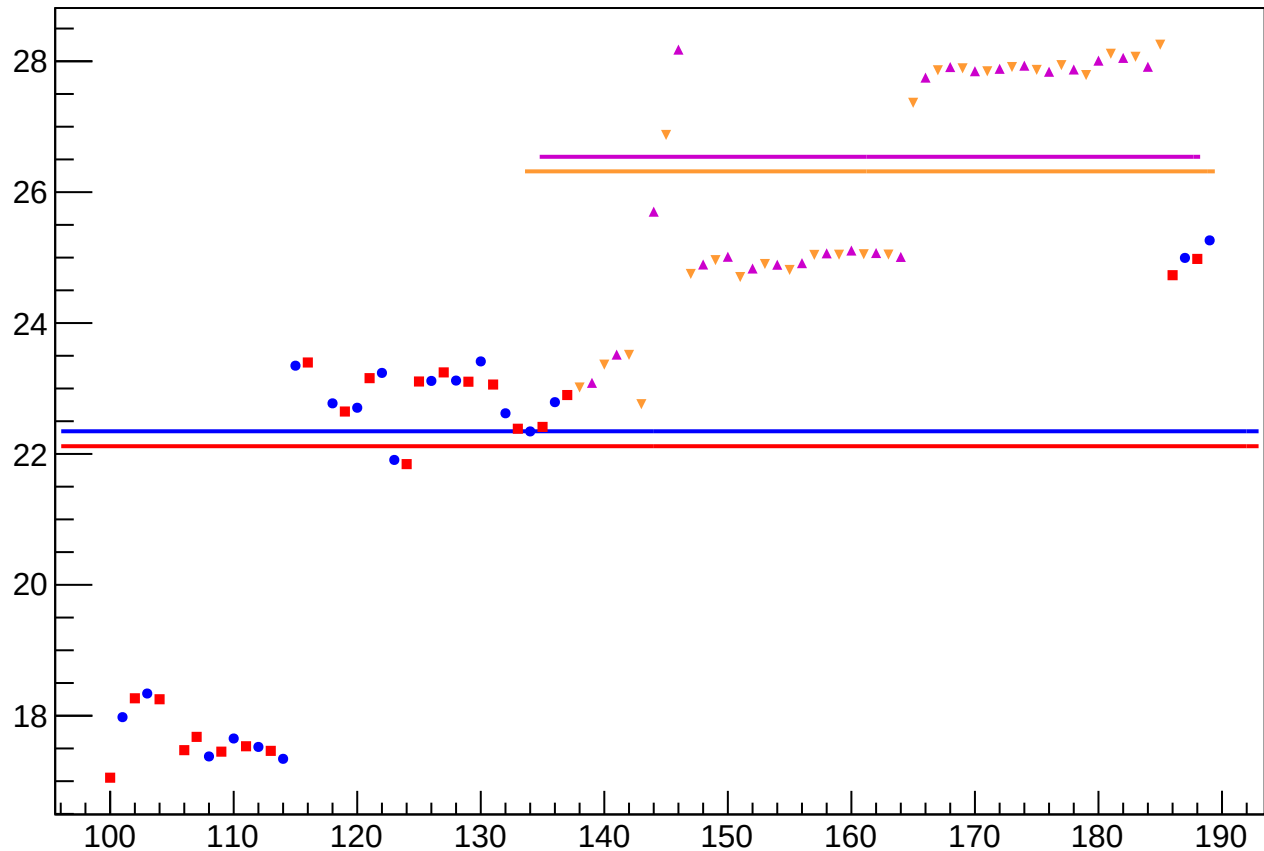
Right: 0.013+/-0.000 χ^2/NDF : 5281145.4/39

In: 0.011+/-0.000 χ^2/NDF : 3306216.0/41

Out: 0.011+/-0.000 χ^2/NDF : 4344398.0/45

All: 0.011+/-0.000 χ^2/NDF : 7650829.6/87

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.346+/-0.000 χ^2/NDF : 986133887.4/18

Left Out: 26.318+/-0.000 χ^2/NDF : 4715403741.0/24

Right Out: 22.118+/-0.000 χ^2/NDF : 1168174457.8/20

Left In: 26.540+/-0.000 χ^2/NDF : 3309392772.6/22

Left: 26.424+/-0.000 χ^2/NDF : 8058273722.3/47

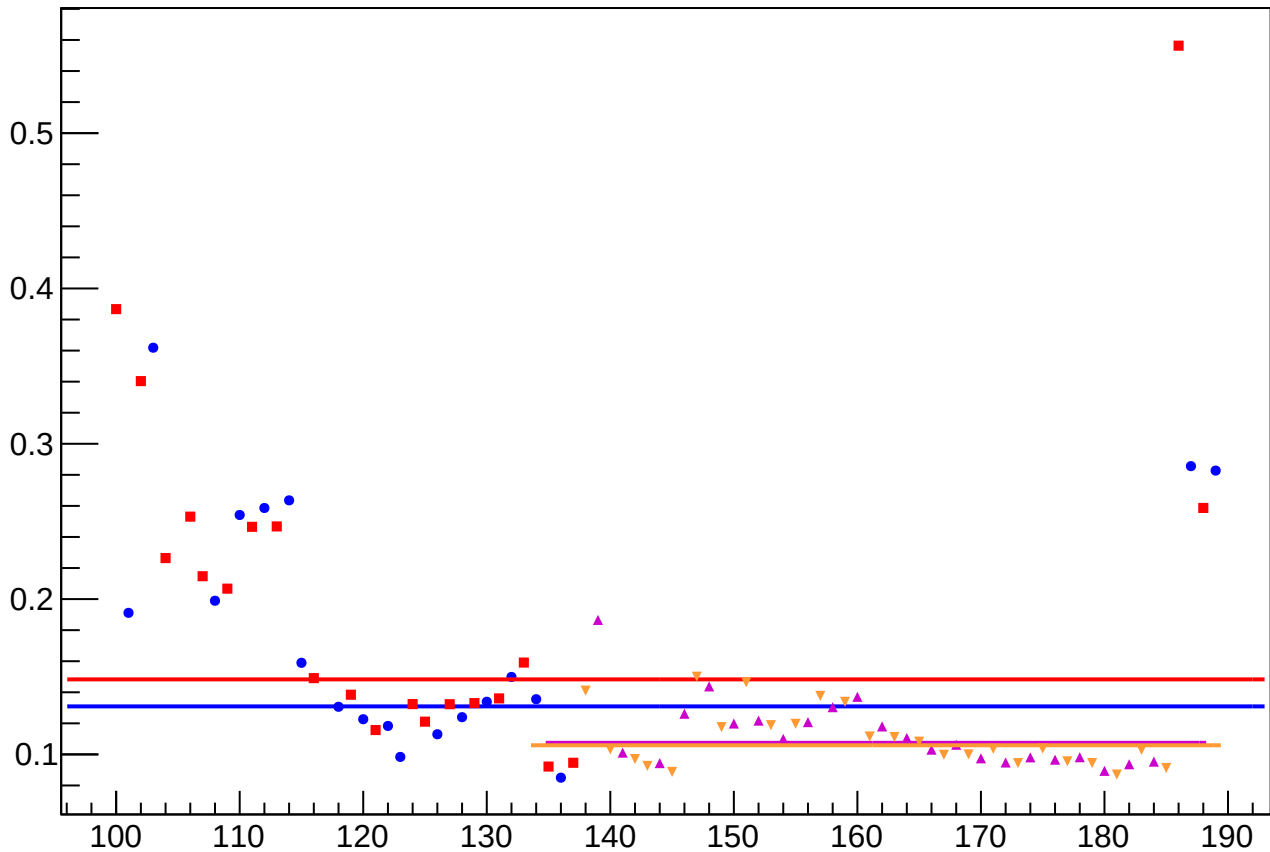
Right: 22.238+/-0.000 χ^2/NDF : 2162181213.3/39

In: 25.715+/-0.000 χ^2/NDF : 8778254601.0/41

Out: 25.604+/-0.000 χ^2/NDF : 10107489346.7/45

All: 25.658+/-0.000 χ^2/NDF : 18895890292.0

yield_sam2_rms vs Slug, Sign Corrected



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

Left: 0.107+/-0.000 χ^2/NDF : 1507414.2/47

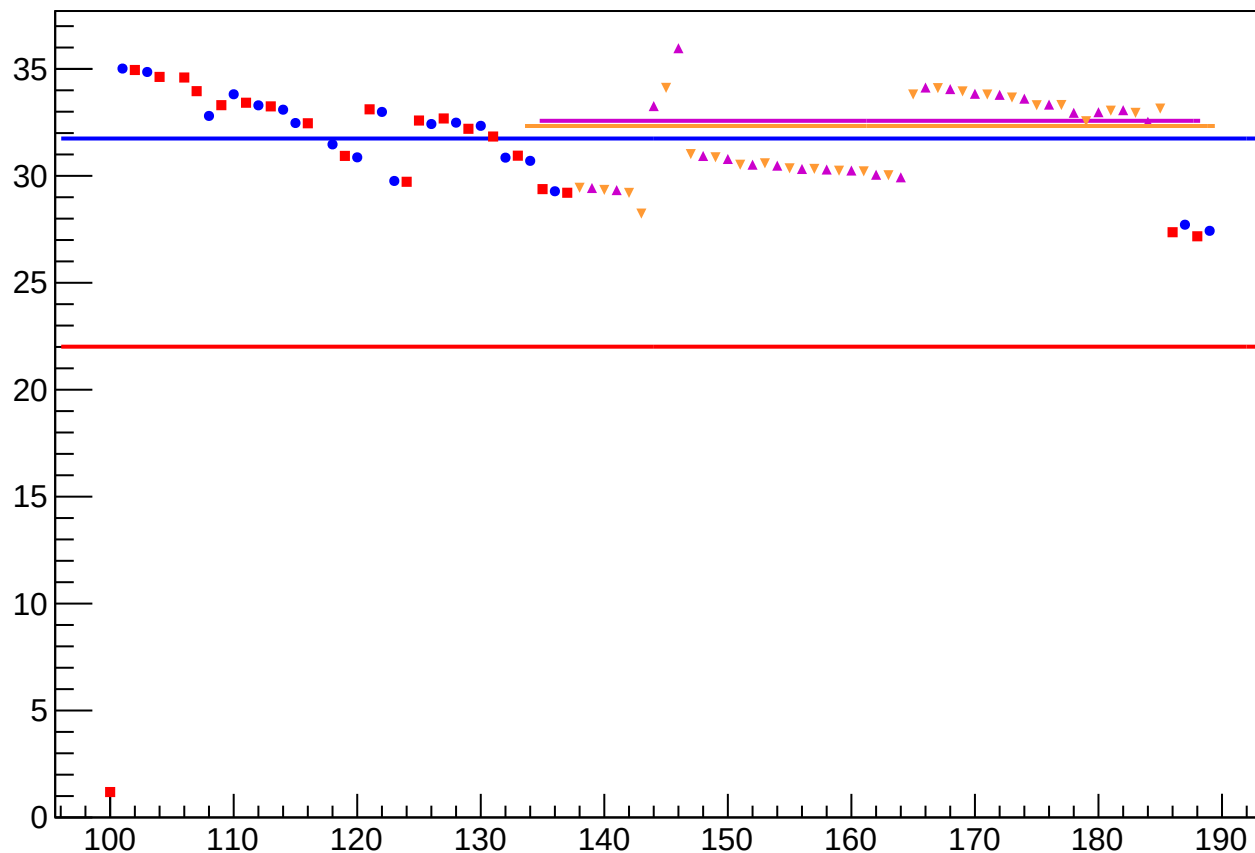
Right: 0.139+/-0.000 χ^2/NDF : 4089495.2/39

In: 0.112+/-0.000 χ^2/NDF : 2868868.7/41

Out: 0.113+/-0.000 χ^2/NDF : 3775624.0/45

All: 0.113+/-0.000 χ^2/NDF : 6646163.6/87

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.746+/-0.000

χ^2/NDF : 2264642334.6/18

Left: 32.450+/-0.000

χ^2/NDF : 24766521375.8/47

Left Out: 32.331+/-0.000

χ^2/NDF : 12850475096.2/24

Right: 25.911+/-0.000

χ^2/NDF : 274346408135.5/39

Right Out: 22.013+/-0.000

χ^2/NDF : 230186612474.1/20

In: 32.443+/-0.000

χ^2/NDF : 14488330553.5/41

Out: 30.140+/-0.000

χ^2/NDF : 335631765904.1/45

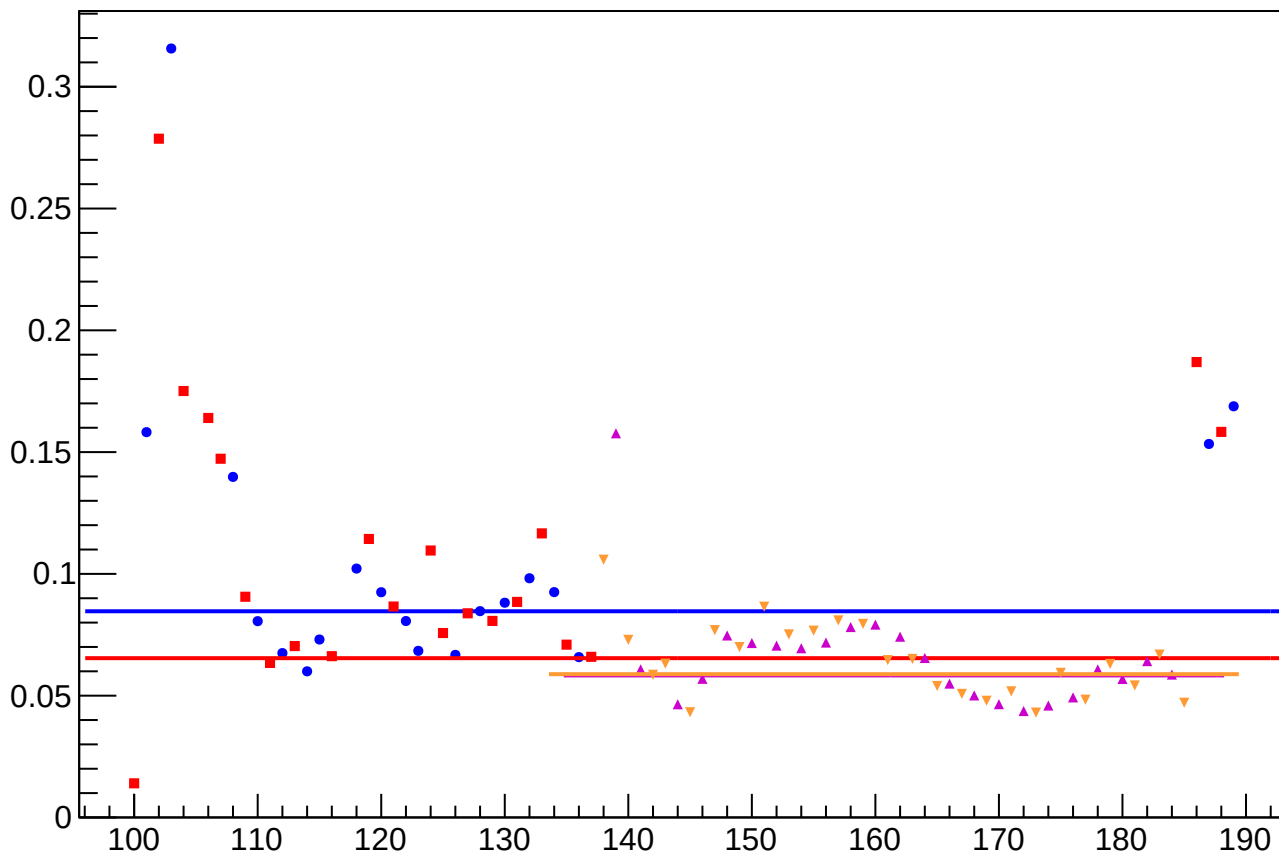
Left In: 32.574+/-0.000

χ^2/NDF : 11797772603.7/22

All: 31.228+/-0.000

χ^2/NDF : 363147667175.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.085+/-0.000 χ^2/NDF : 1440250.9/18

Left Out: 0.059+/-0.000 χ^2/NDF :1402605.2/24

Right Out: 0.065+/-0.000 χ^2/NDF : 4525849.9/20

Left In: 0.058+/-0.000 χ^2/NDF :1525476.4/22

Left: 0.059+/-0.000 χ^2/NDF : 2929140.7/47

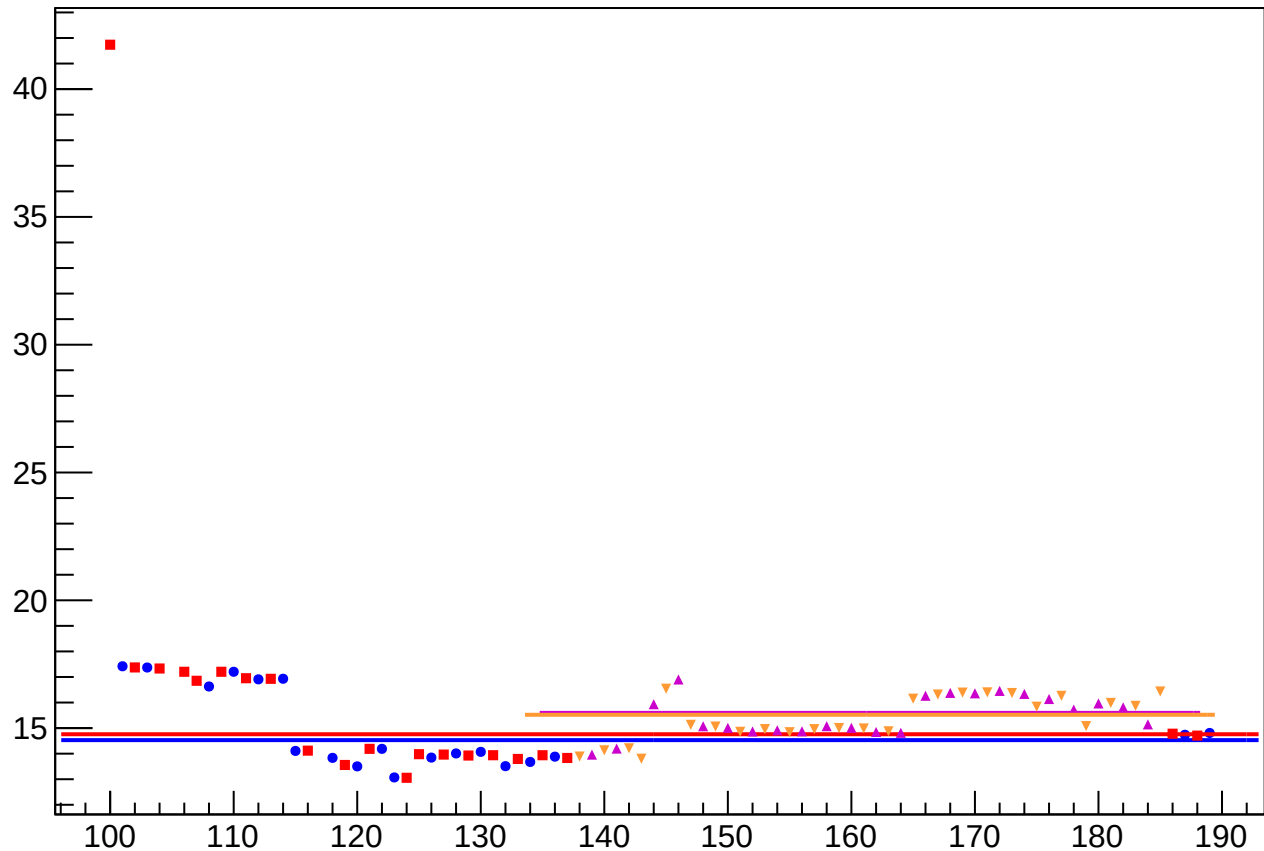
Right: 0.073+/-0.000 χ^2/NDF : 6293950.4/39

In: 0.062+/-0.000 χ^2/NDF :3827125.2/41

Out: 0.060+/-0.000 χ^2/NDF :6003571.2/45

All: 0.061+/-0.000 χ^2/NDF : 9855854.5/87

yield_sam4_mean vs Slug, Sign Corrected



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

Left: 15.557+/-0.000 χ^2/NDF : 4510008259.4/47

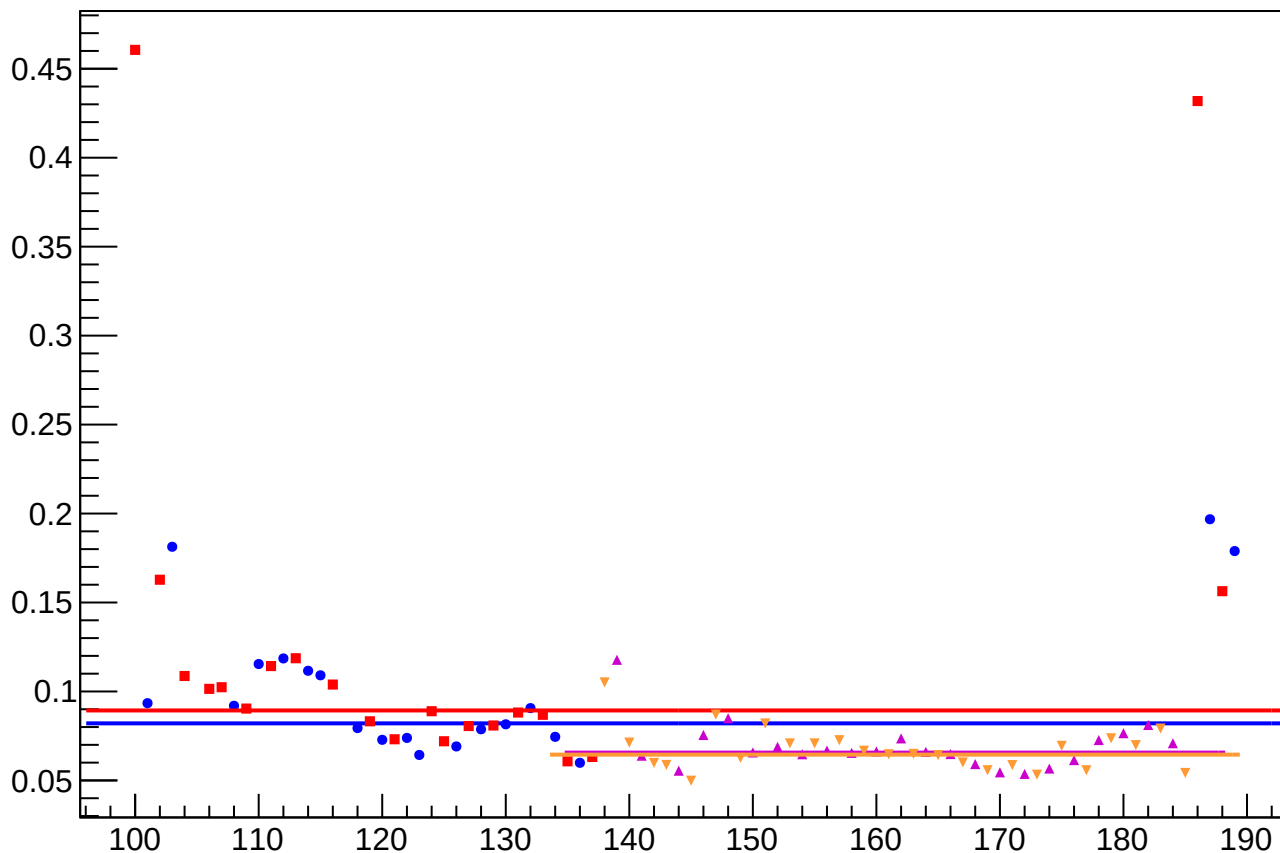
Right: 14.642+/-0.000 χ^2/NDF : 3412526493.8/39

In: 15.379+/-0.000 χ^2/NDF : 4187841088.6/41

Out: 15.382+/-0.000 χ^2/NDF : 4891628360.0/45

All: 15.381+/-0.000 χ^2/NDF : 9079488635.5/8

yield_sam4_rms vs Slug, Sign Corrected



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

Left: 0.065 $\pm$ 0.000 χ^2 /NDF: 1481007.6/47

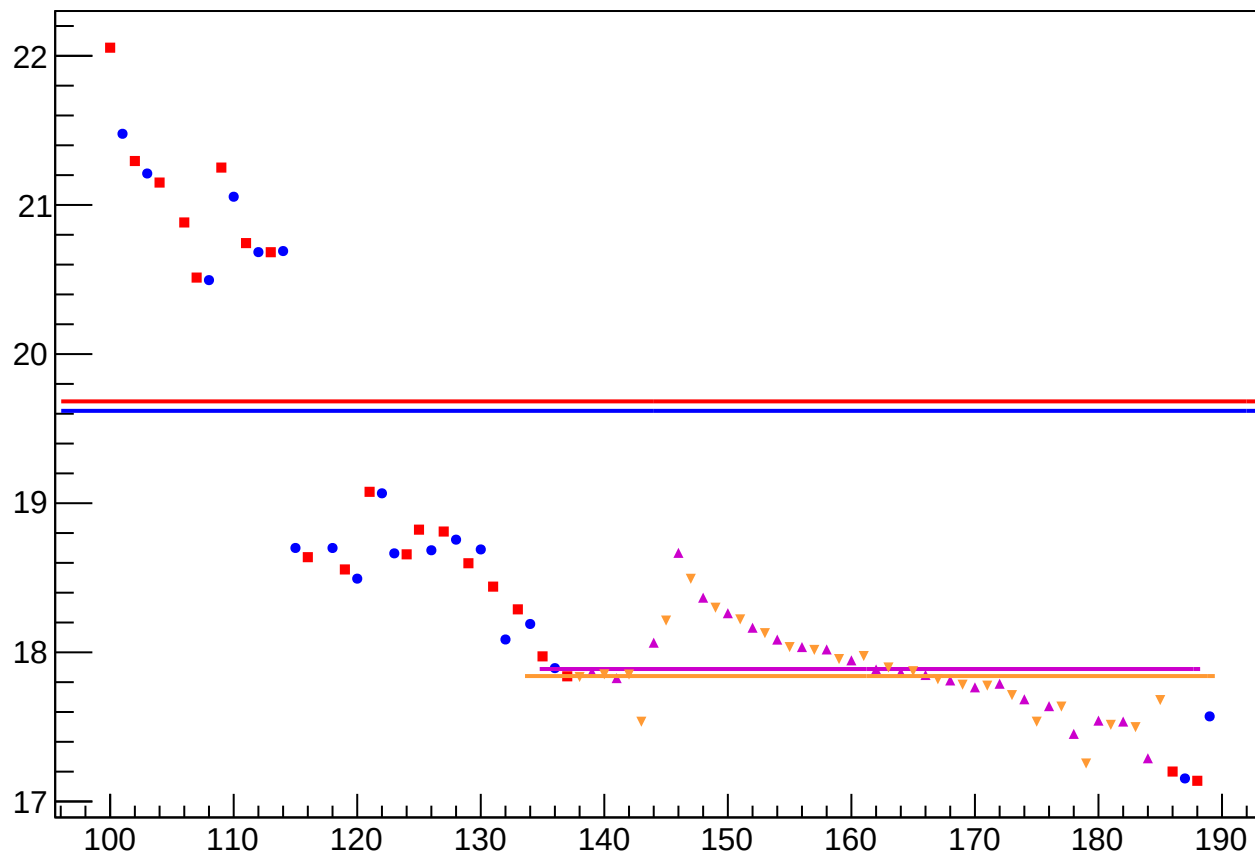
Right: 0.086 $\pm$ 0.000 χ^2 /NDF: 2703969.1/39

In: 0.069 $\pm$ 0.000 χ^2 /NDF: 2216108.4/41

Out: 0.069 $\pm$ 0.000 χ^2 /NDF: 3140396.1/45

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 5356515.1/87

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.619 $\pm$ 0.000 χ^2/NDF : 13097792466.1/18

Left Out: 17.841 $\pm$ 0.000 χ^2/NDF : 1283287989.7/24

Right Out: 19.683 $\pm$ 0.000 χ^2/NDF : 14539157602.4/20

Left In: 17.888 $\pm$ 0.000 χ^2/NDF : 1203002311.3/22

Left: 17.864 $\pm$ 0.000 χ^2/NDF : 2506375288.6/47

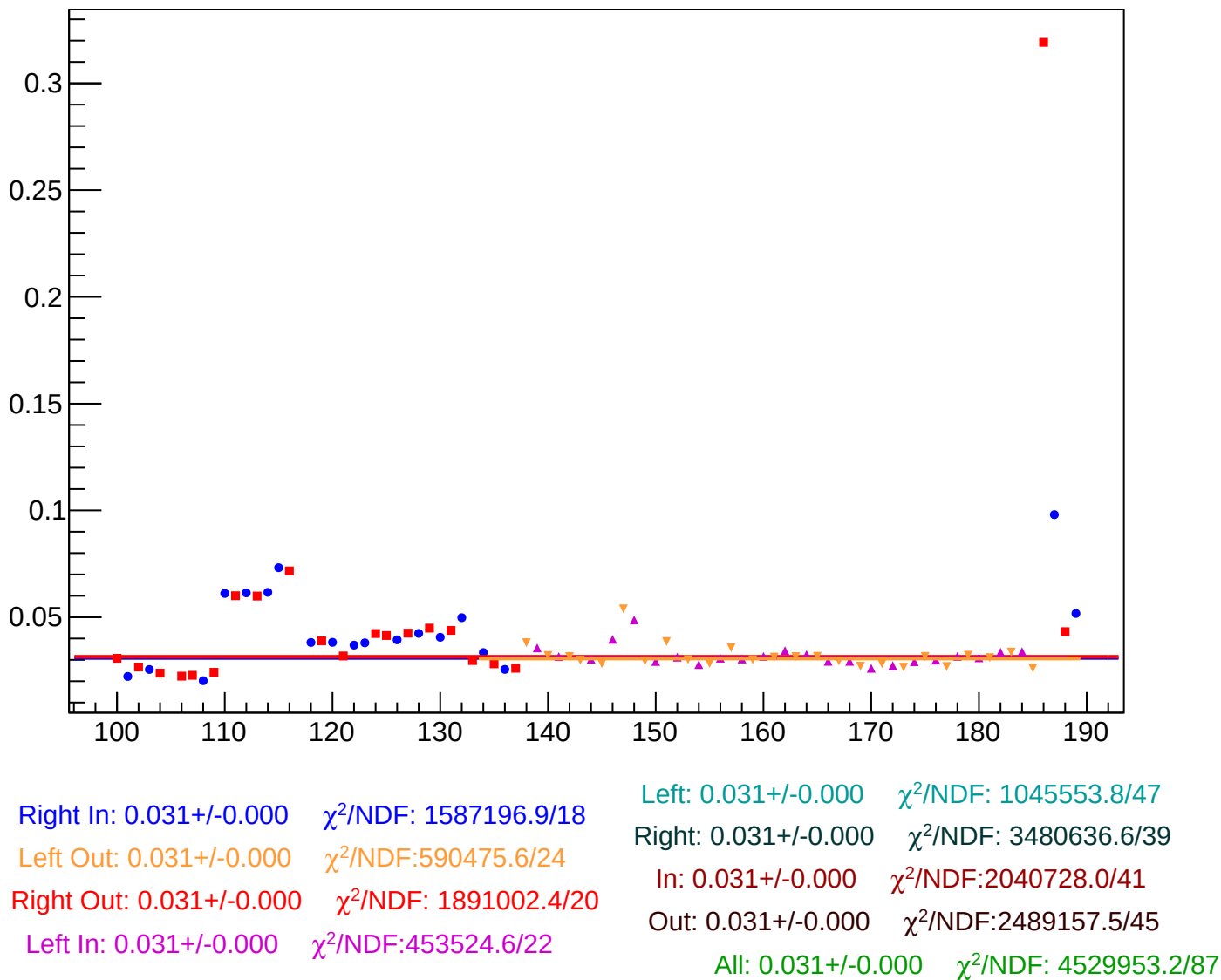
Right: 19.652 $\pm$ 0.000 χ^2/NDF : 27650068099.2/39

In: 18.348 $\pm$ 0.000 χ^2/NDF : 28104746450.4/41

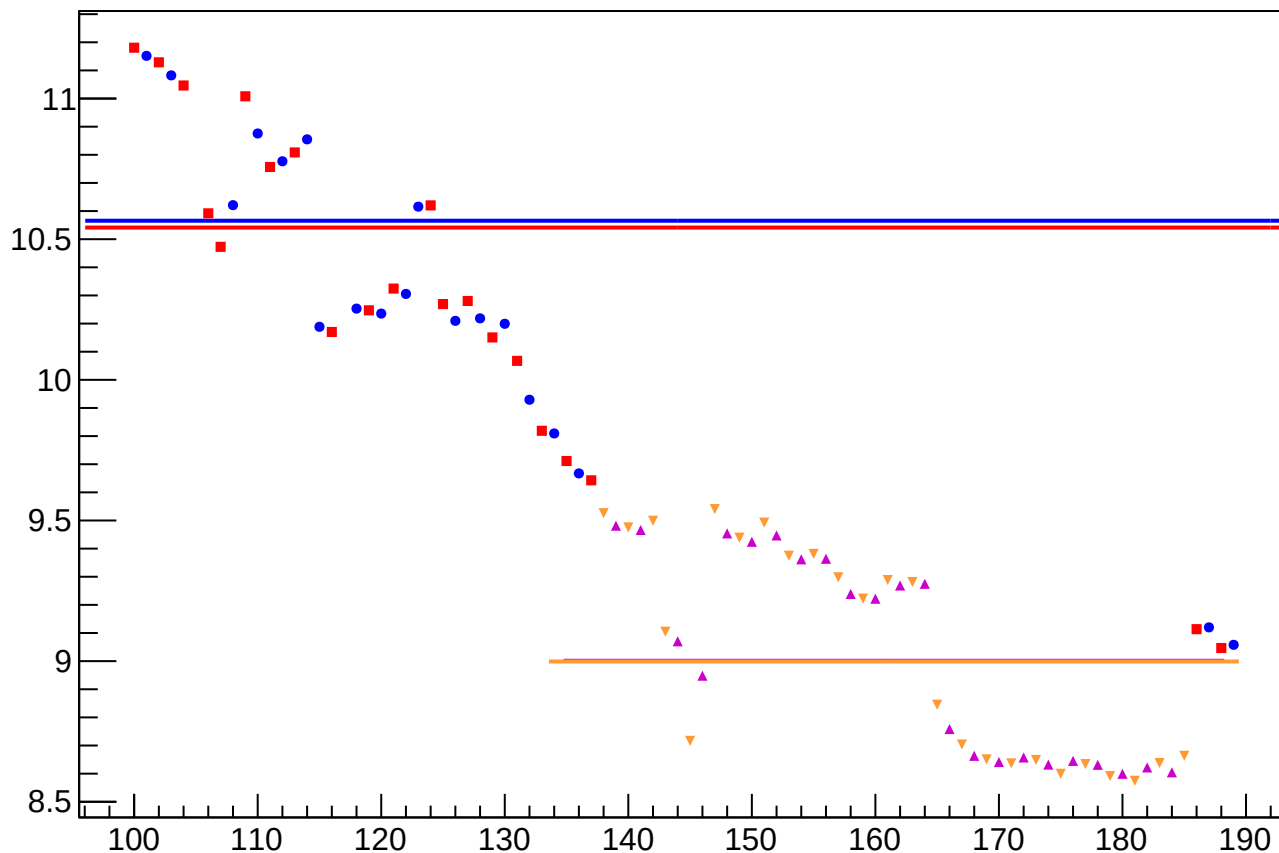
Out: 18.332 $\pm$ 0.000 χ^2/NDF : 32672396048.2/45

All: 18.339 $\pm$ 0.000 χ^2/NDF : 60780147356.8

yield_sam5_rms vs Slug, Sign Corrected



yield_sam6_mean vs Slug, Sign Corrected



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

Left: 9.000+/-0.000 χ^2/NDF : 11707260677.5/47

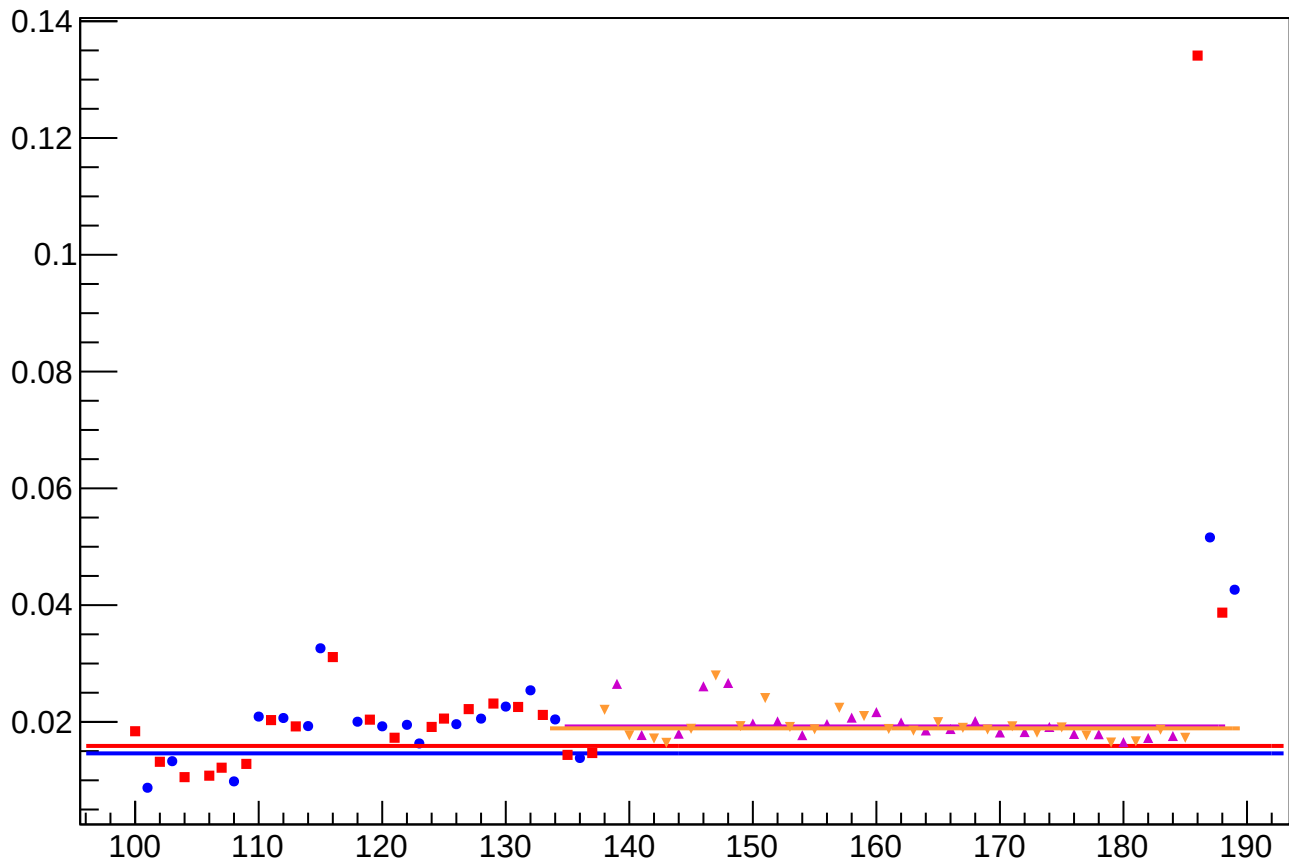
Right: 10.554+/-0.000 χ^2/NDF : 15332987643.9/39

In: 9.597+/-0.000 χ^2/NDF : 53334234803.2/41

Out: 9.546+/-0.000 χ^2/NDF : 53244731140.7/45

All: 9.571+/-0.000 χ^2/NDF : 106670370696.5

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1915670.0/18

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.016+/-0.000 χ^2/NDF : 2163855.9/20

Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

Left: 0.019+/-0.000 χ^2/NDF : 914799.6/47

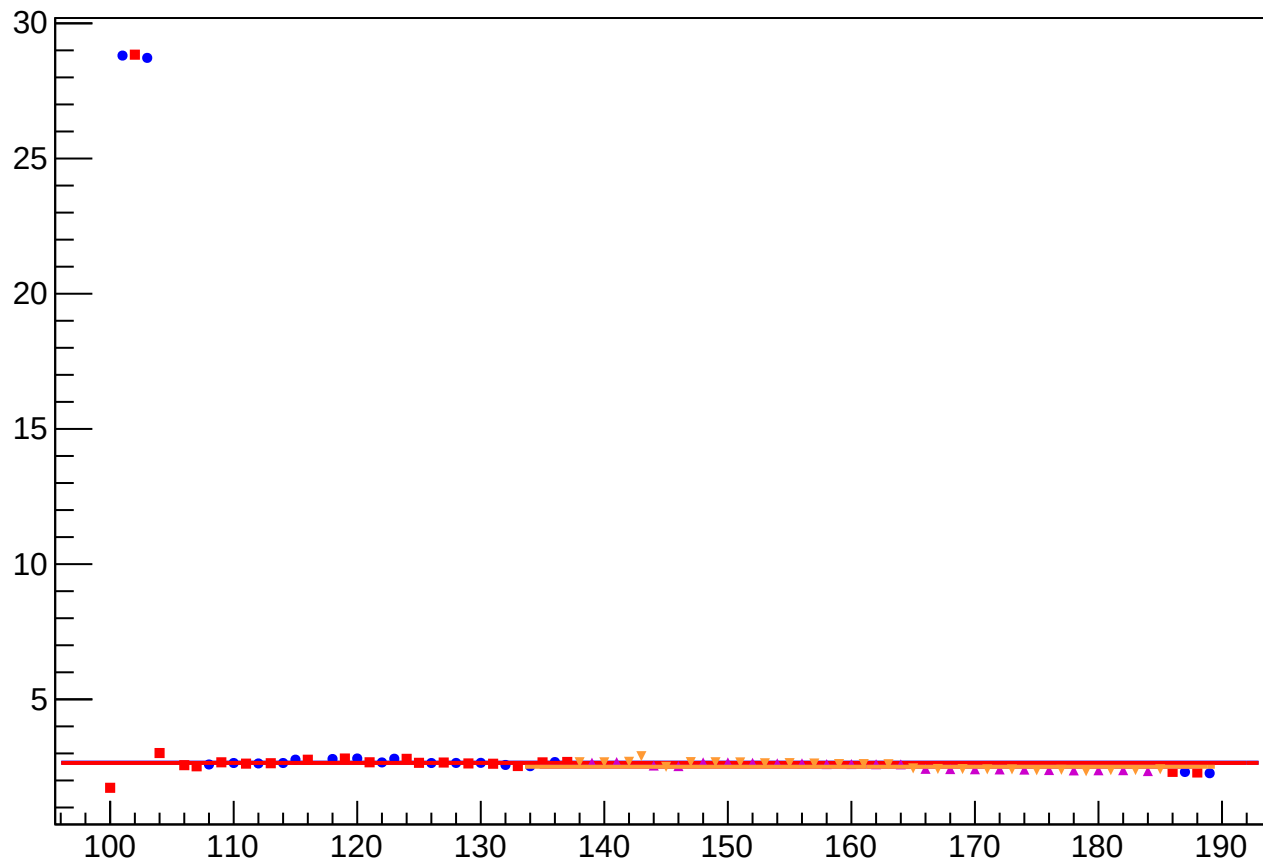
Right: 0.015+/-0.000 χ^2/NDF : 4121851.2/39

In: 0.017+/-0.000 χ^2/NDF : 3090772.5/41

Out: 0.018+/-0.000 χ^2/NDF : 2894090.8/45

All: 0.018+/-0.000 χ^2/NDF : 5994067.4/87

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.659+/-0.000 χ^2/NDF : 165912511284.9/18

Left Out: 2.507+/-0.000 χ^2/NDF : 64277969186.7/24

Right Out: 2.649+/-0.000 χ^2/NDF : 76657620676.0/20

Left In: 2.505+/-0.000 χ^2/NDF : 42893630742.5/22

Left: 2.506+/-0.000 χ^2/NDF : 107174595641.7/47

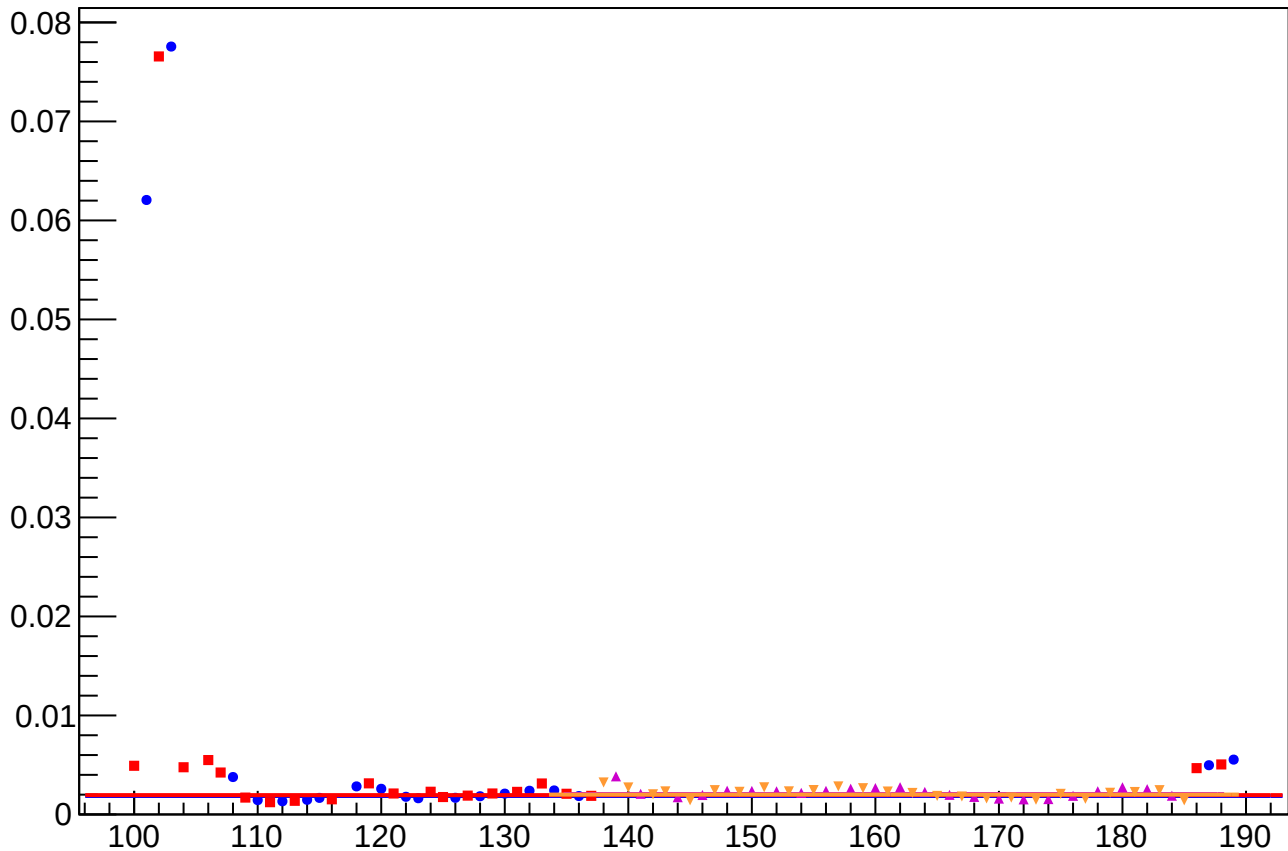
Right: 2.653+/-0.000 χ^2/NDF : 242639867497.3/39

In: 2.550+/-0.000 χ^2/NDF : 231481451893.8/41

Out: 2.547+/-0.000 χ^2/NDF : 161950781618.6/45

All: 2.549+/-0.000 χ^2/NDF : 393453862687.2

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 3124003.6/18

Left Out: 0.002+/-0.000 χ^2/NDF : 1469103.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3245386.8/20

Left In: 0.002+/-0.000 χ^2/NDF : 1303230.9/22

Left: 0.002+/-0.000 χ^2/NDF : 2781893.0/47

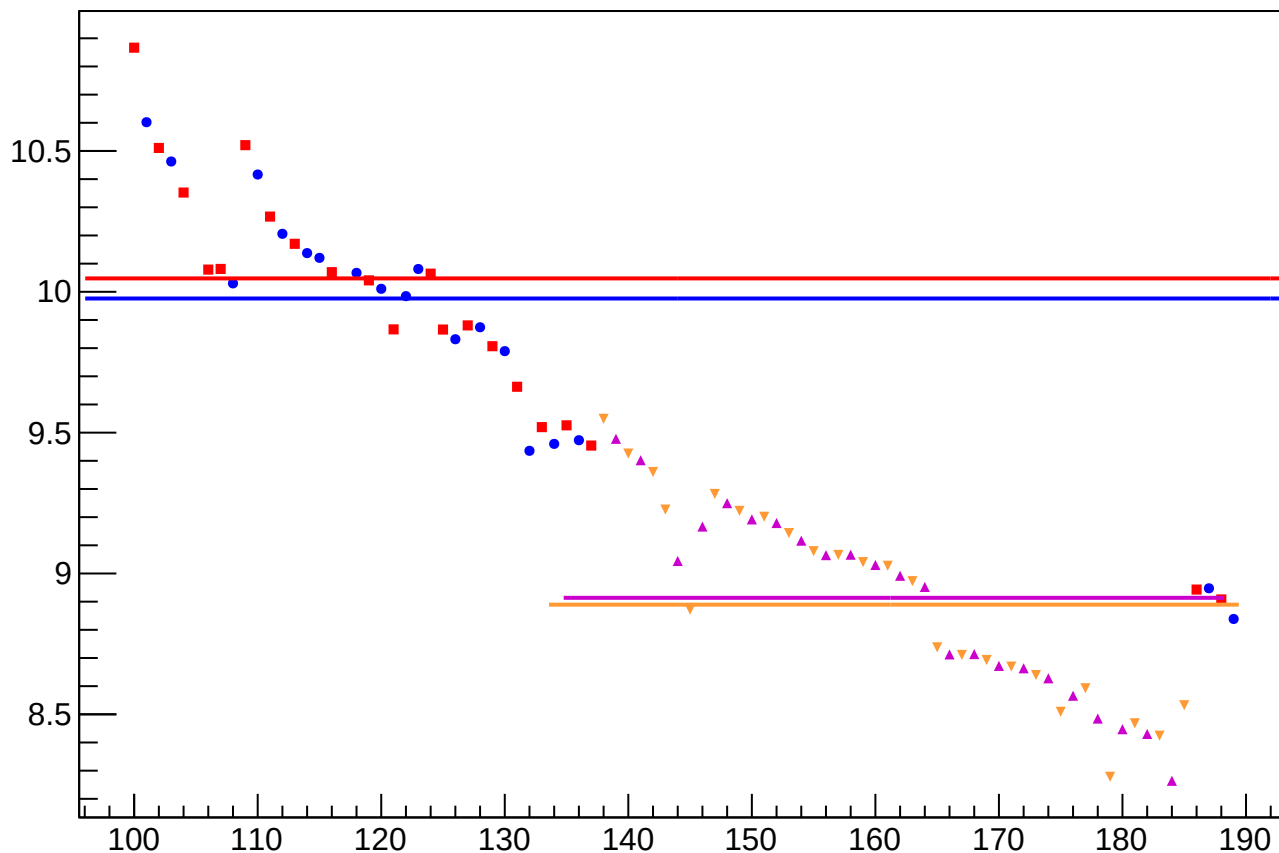
Right: 0.002+/-0.000 χ^2/NDF : 6380056.2/39

In: 0.002+/-0.000 χ^2/NDF : 4499415.1/41

Out: 0.002+/-0.000 χ^2/NDF : 4720545.2/45

All: 0.002+/-0.000 χ^2/NDF : 9220592.3/87

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.976+/-0.000 χ^2/NDF : 21519240033.9/18

Left Out: 8.889+/-0.000 χ^2/NDF : 34704694045.9/24

Right Out: 10.048+/-0.000 χ^2/NDF : 22279932916.9/20

Left In: 8.914+/-0.000 χ^2/NDF : 28497227562.7/22

Left: 8.901+/-0.000 χ^2/NDF : 63312247922.6/47

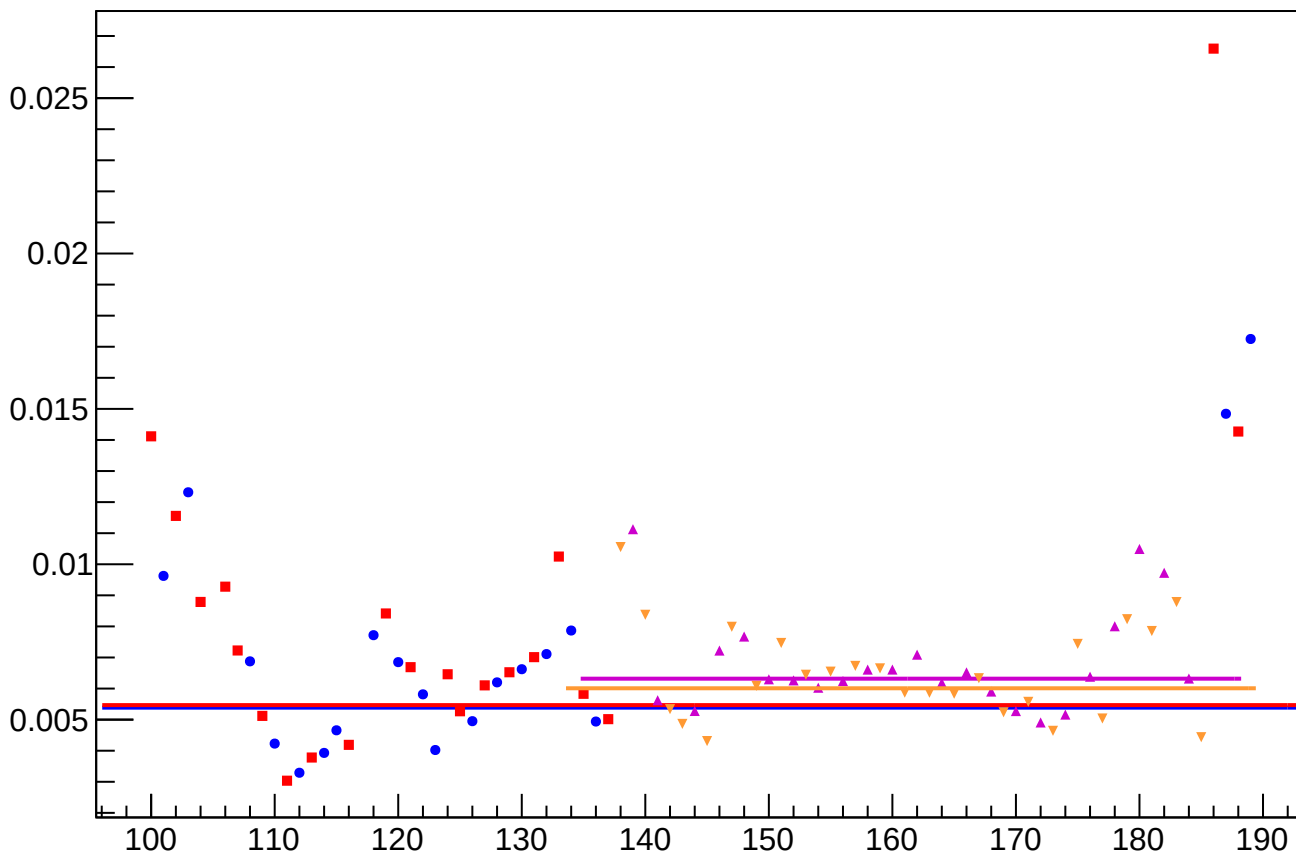
Right: 10.013+/-0.000 χ^2/NDF : 44281223421.9/39

In: 9.280+/-0.000 χ^2/NDF : 185525224853.8/41

Out: 9.269+/-0.000 χ^2/NDF : 234060195468.2/45

All: 9.274+/-0.000 χ^2/NDF : 419618693723.0

yield_sam8_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF : 2435218.5/47

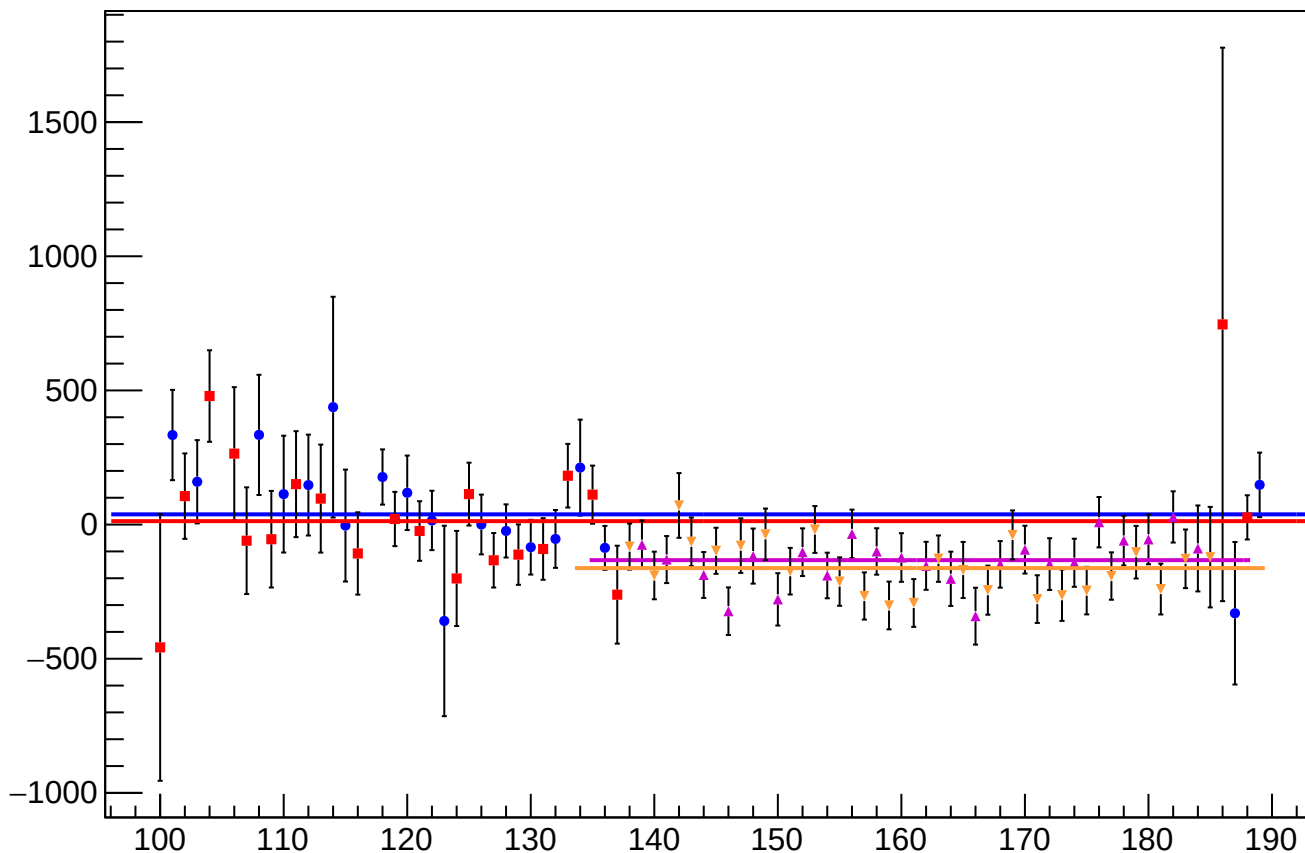
Right: 0.005+/-0.000 χ^2/NDF : 4558193.8/39

In: 0.006+/-0.000 χ^2/NDF :3046533.1/41

Out: 0.006+/-0.000 χ^2/NDF :4195936.0/45

All: 0.006+/-0.000 χ^2/NDF : 7257850.4/87

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 38.108 ± 31.017 $\chi^2/\text{NDF}: 19.1/18$

Left Out: -162.161 ± 18.745 $\chi^2/\text{NDF}: 25.7/24$

Right Out: 12.784 ± 29.968 $\chi^2/\text{NDF}: 23.4/20$

Left In: -132.557 ± 19.403 $\chi^2/\text{NDF}: 20.7/22$

Left: -147.870 ± 13.481 $\chi^2/\text{NDF}: 47.6/47$

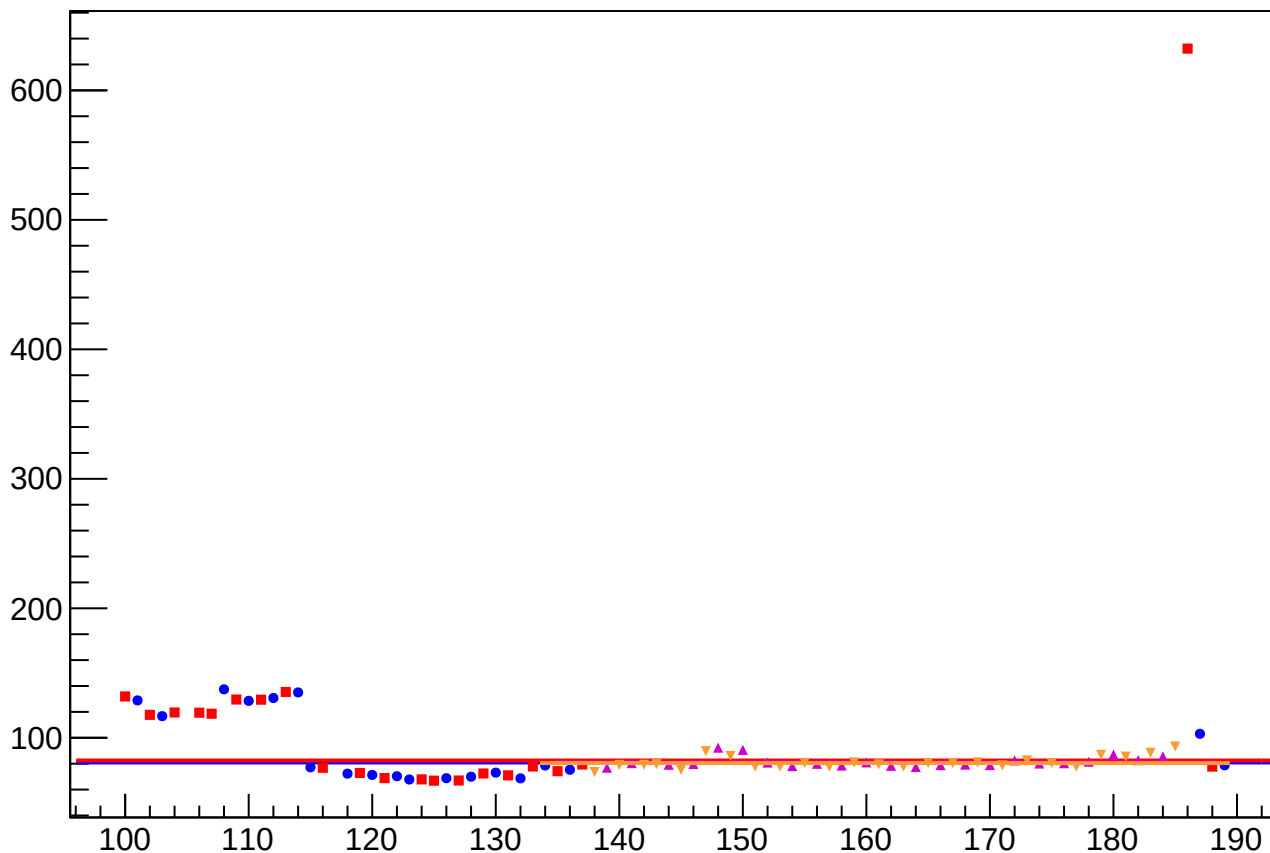
Right: 25.010 ± 21.552 $\chi^2/\text{NDF}: 42.8/39$

In: -84.555 ± 16.450 $\chi^2/\text{NDF}: 61.6/41$

Out: -112.964 ± 15.892 $\chi^2/\text{NDF}: 73.6/45$

All: -99.249 ± 11.429 $\chi^2/\text{NDF}: 136.7/87$

reg_asym_sam1_rms vs Slug, Sign Corrected



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

Left: 80.727 $\pm$ 0.010 χ^2 /NDF: 163039.2/47

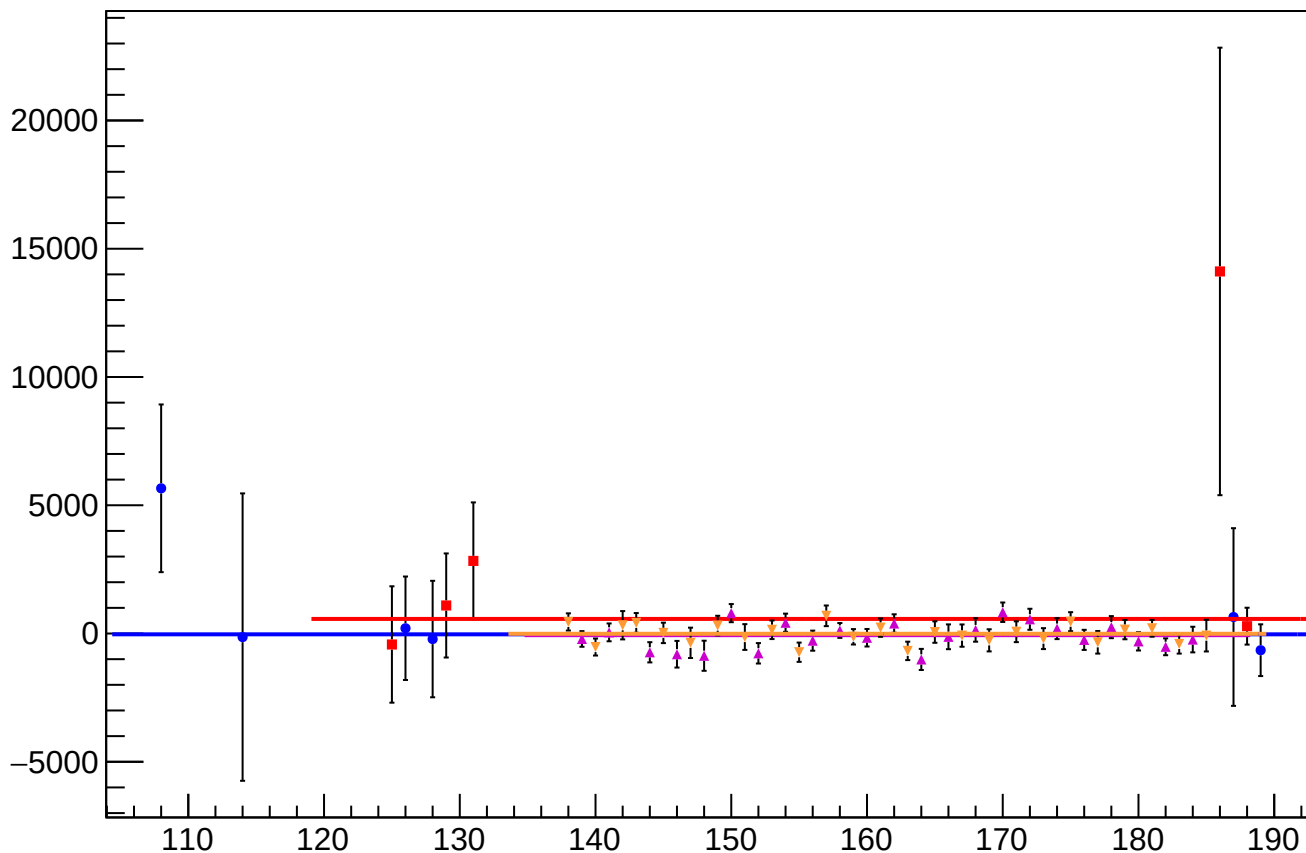
Right: 81.732 $\pm$ 0.015 χ^2 /NDF: 2308033.2/39

In: 80.996 $\pm$ 0.012 χ^2 /NDF: 894640.1/41

Out: 81.022 $\pm$ 0.011 χ^2 /NDF: 1579559.1/45

All: 81.009 $\pm$ 0.008 χ^2 /NDF: 2474201.8/87

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left: -36.973 ± 56.007 χ^2/NDF : 60.2/47

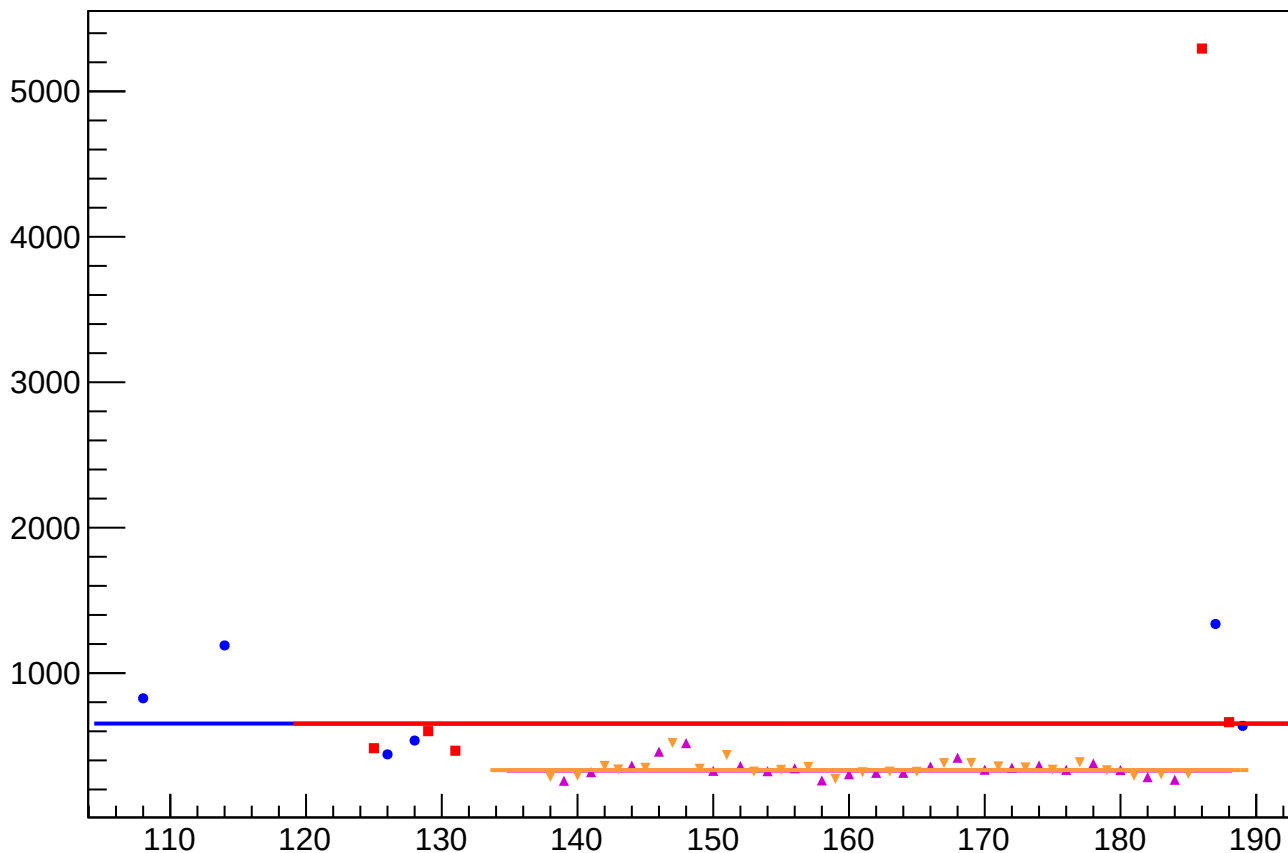
Right: 336.265 ± 487.387 χ^2/NDF : 7.6/10

In: -64.247 ± 79.631 χ^2/NDF : 40.9/28

Out: -1.450 ± 77.777 χ^2/NDF : 27.2/29

All: -32.109 ± 55.641 χ^2/NDF : 68.4/58

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 653.235+/-0.554 χ^2/NDF : 130092.3/5

Left Out: 333.233+/-0.055 χ^2/NDF : 592122.2/24

Right Out: 652.392+/-0.440 χ^2/NDF : 592412.7/4

Left In: 329.985+/-0.057 χ^2/NDF : 795969.0/22

Left: 331.643+/-0.040 χ^2/NDF : 1389771.8/47

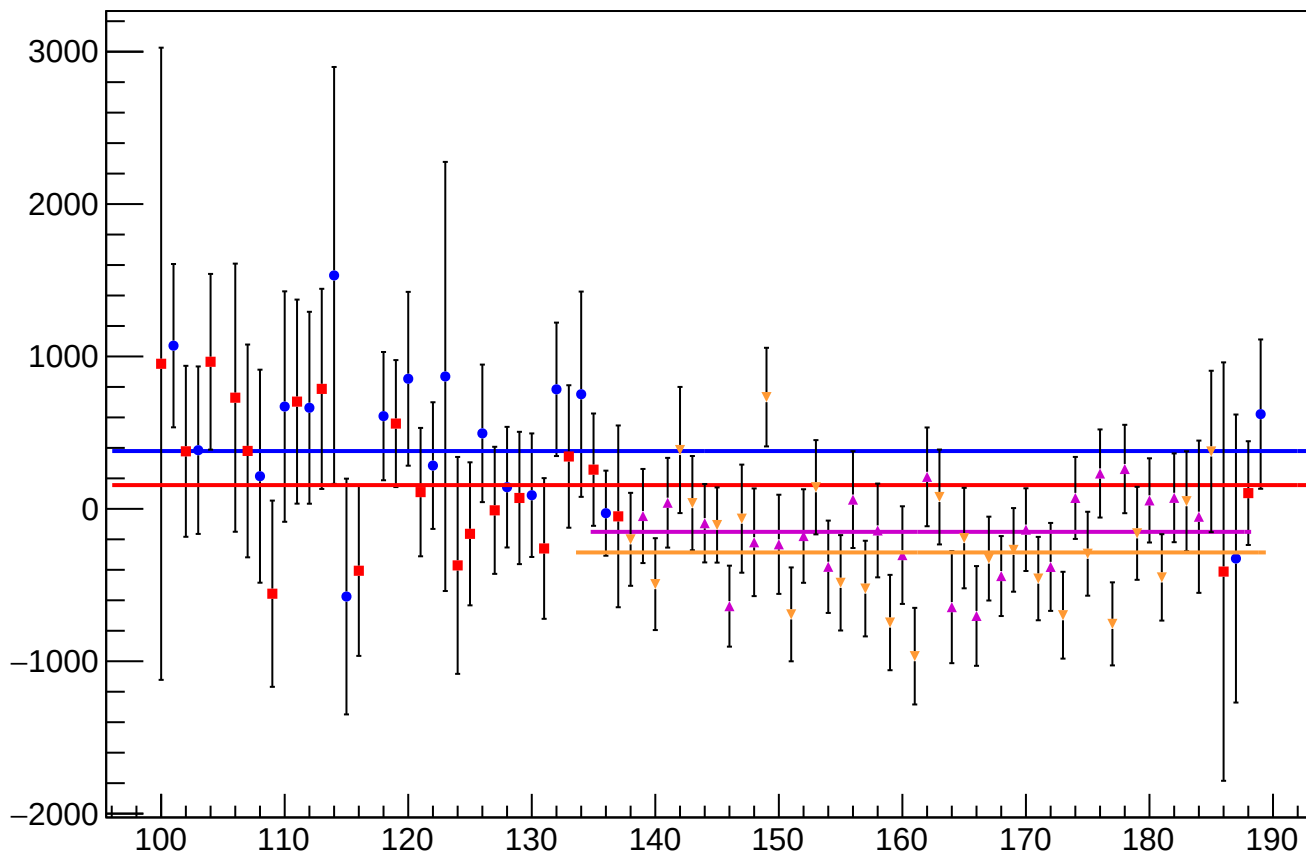
Right: 652.719+/-0.345 χ^2/NDF : 722506.5/10

In: 333.330+/-0.056 χ^2/NDF : 1263554.5/28

Out: 338.210+/-0.055 χ^2/NDF : 1701523.7/29

All: 335.828+/-0.039 χ^2/NDF : 2968922.1/58

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 379.312 ± 116.834 $\chi^2/\text{NDF}: 10.5/18$

Left Out: -286.030 ± 61.095 $\chi^2/\text{NDF}: 36.6/24$

Right Out: 155.882 ± 113.398 $\chi^2/\text{NDF}: 10.3/20$

Left In: -150.920 ± 62.818 $\chi^2/\text{NDF}: 18.7/22$

Left: -220.353 ± 43.797 $\chi^2/\text{NDF}: 57.6/47$

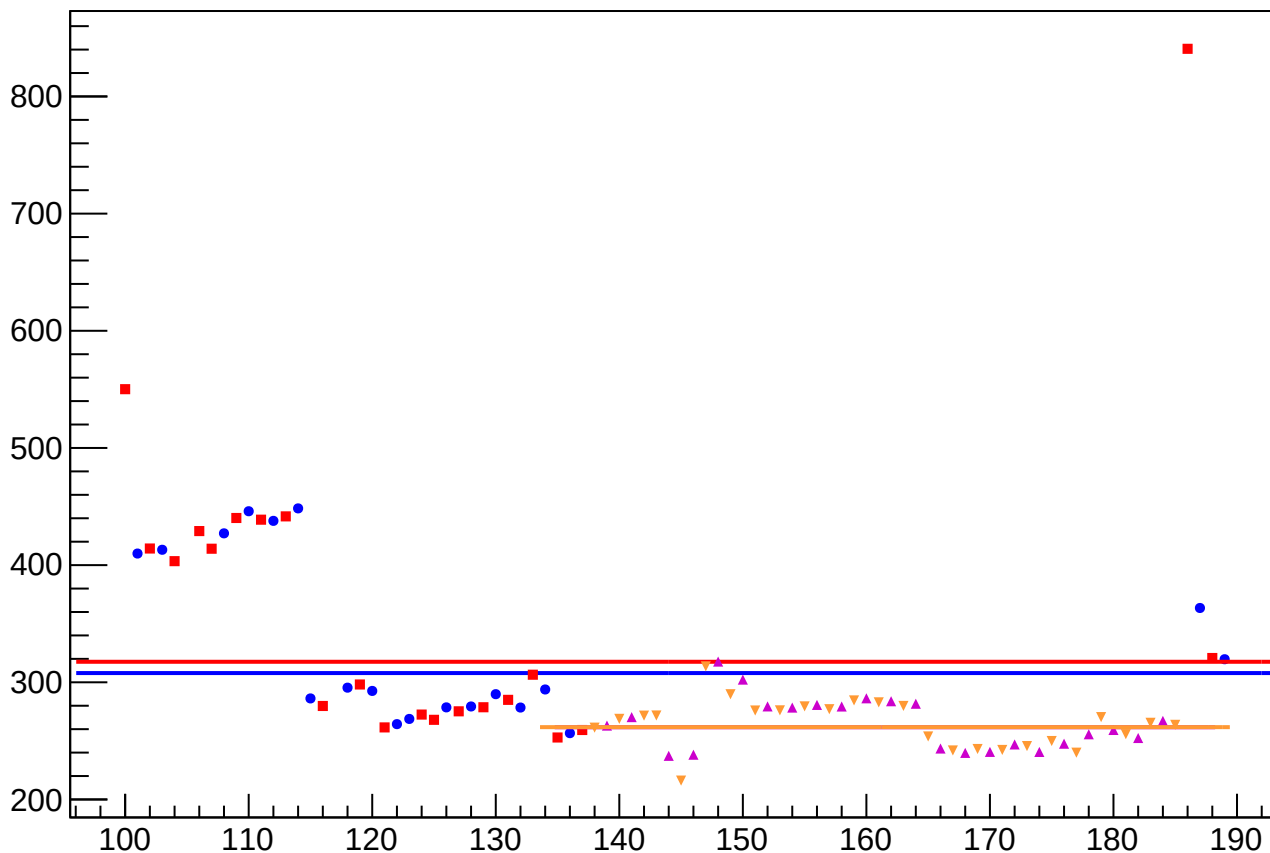
Right: 264.263 ± 81.372 $\chi^2/\text{NDF}: 22.7/39$

In: -32.012 ± 55.328 $\chi^2/\text{NDF}: 45.2/41$

Out: -186.615 ± 53.785 $\chi^2/\text{NDF}: 58.6/45$

All: -111.499 ± 38.566 $\chi^2/\text{NDF}: 107.8/87$

reg_asym_sam2_rms vs Slug, Sign Corrected



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

Left: 261.680+/-0.031 χ^2/NDF : 461465.7/47

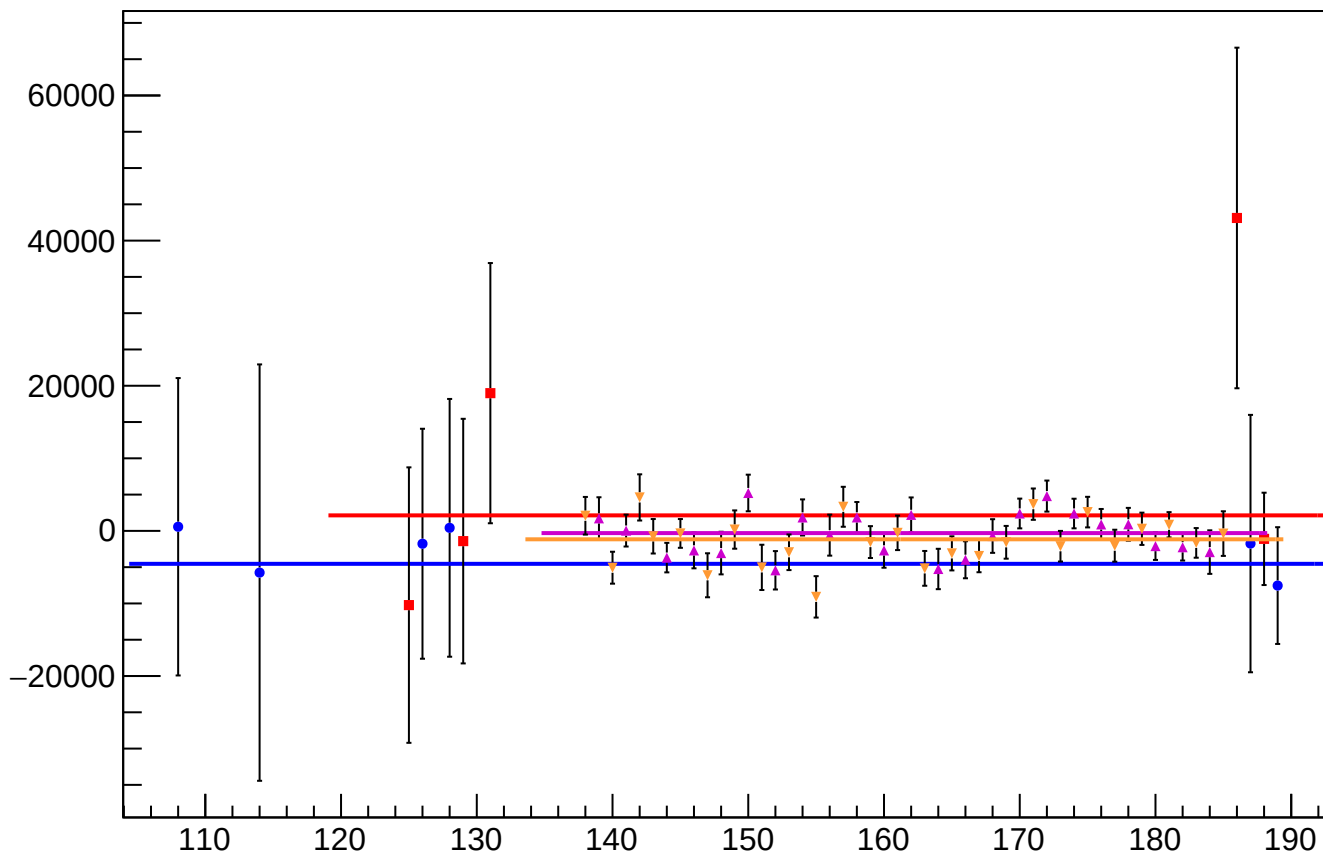
Right: 312.842+/-0.058 χ^2/NDF : 1435395.7/39

In: 272.007+/-0.039 χ^2/NDF : 984823.9/41

Out: 274.274+/-0.038 χ^2/NDF : 1523347.9/45

All: 273.172+/-0.027 χ^2/NDF : 2509897.9/87

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -4539.787 $\pm$ 5834.078 χ^2 /NDF: 0.3/5

Left Out: -1161.443 $\pm$ 469.036 χ^2 /NDF:38.8/24

Right Out: 2137.393 $\pm$ 5275.469 χ^2 /NDF: 4.7/4

Left In: -304.366 $\pm$ 483.778 χ^2 /NDF:35.4/22

Left: -746.162 $\pm$ 336.750 χ^2 /NDF: 75.7/47

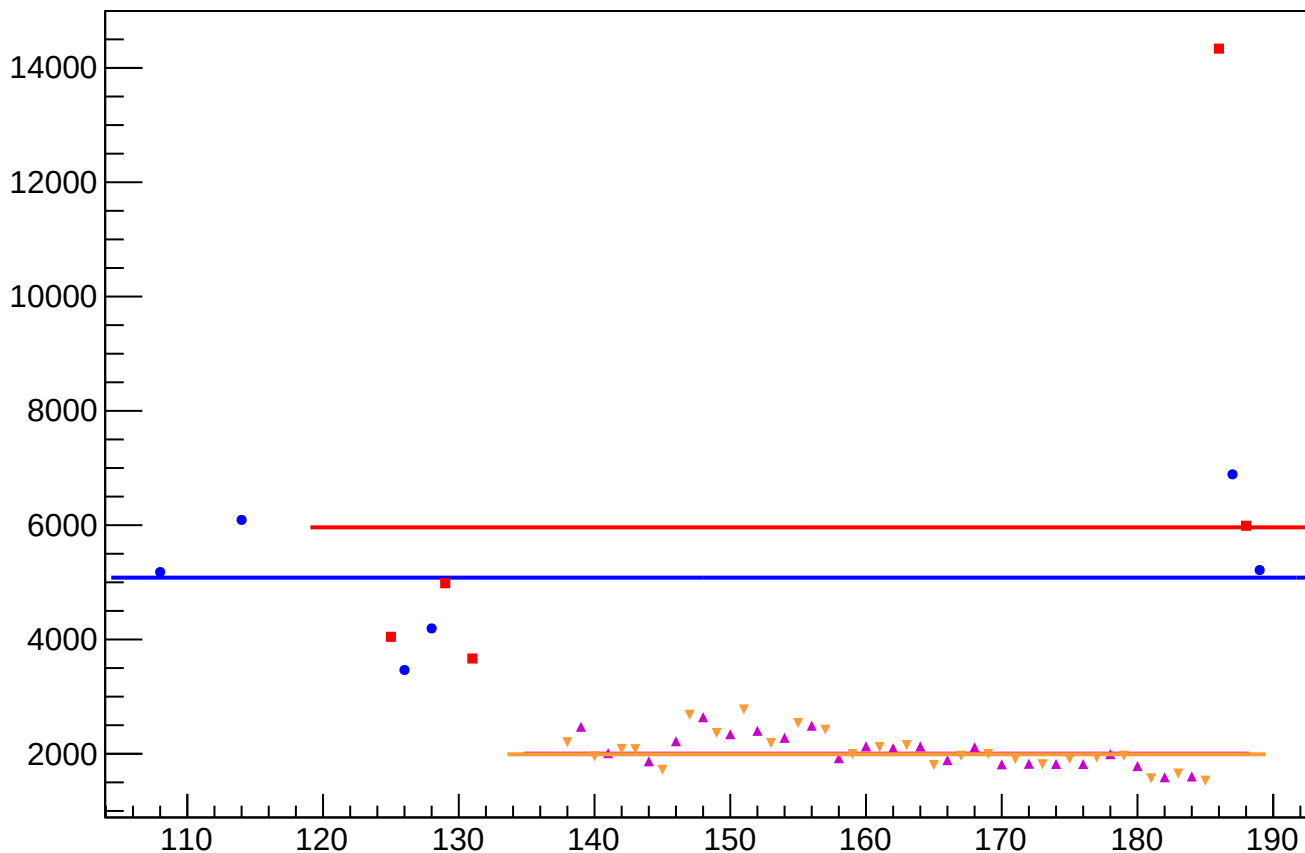
Right: -866.303 $\pm$ 3912.944 χ^2 /NDF: 5.7/10

In: -333.291 $\pm$ 482.124 χ^2 /NDF:36.2/28

Out: -1135.570 $\pm$ 467.193 χ^2 /NDF:43.8/29

All: -747.045 $\pm$ 335.510 χ^2 /NDF: 81.5/58

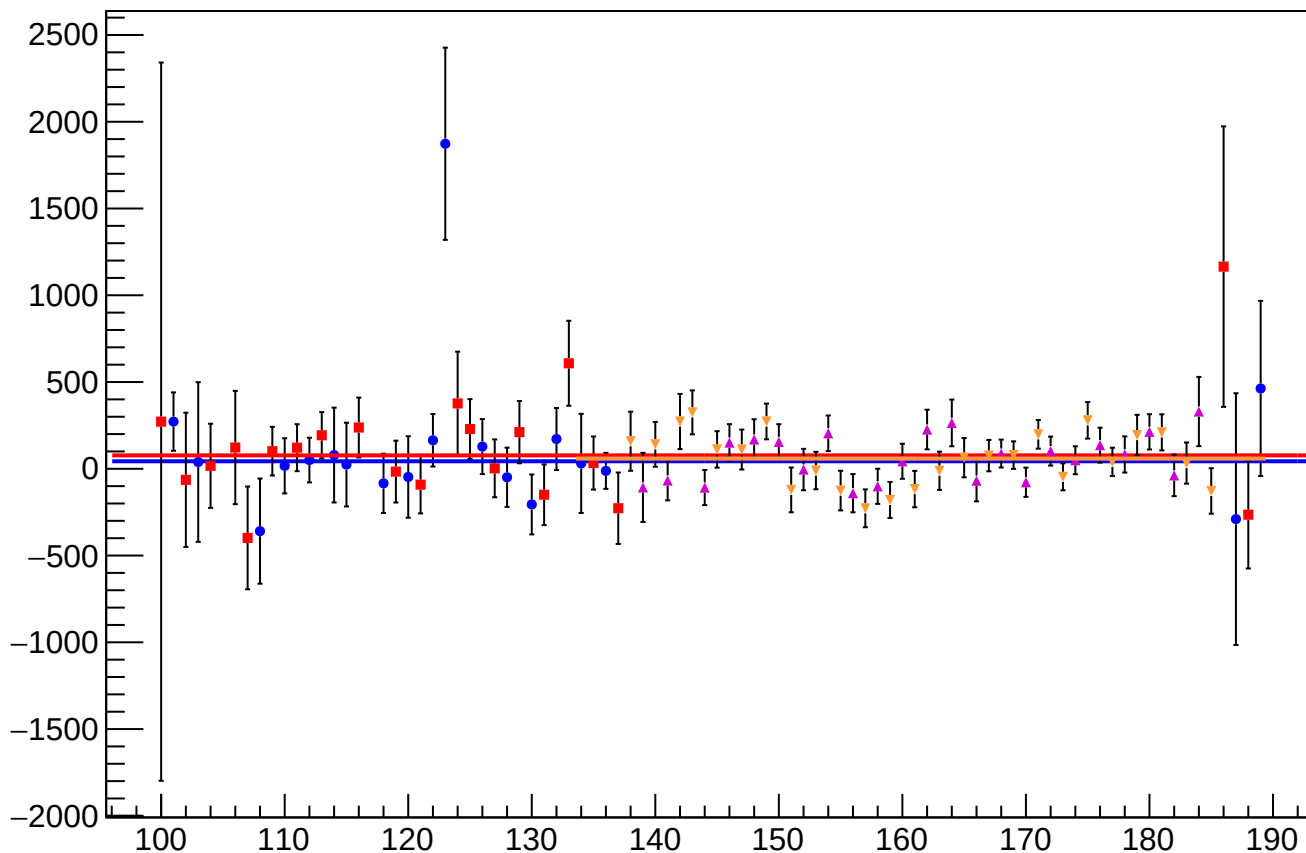
asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left: 1996.458+/-0.238 χ^2/NDF : 1312795.7/47
 Right: 5566.117+/-2.767 χ^2/NDF : 389326.6/10
 In: 2023.187+/-0.341 χ^2/NDF : 1189178.0/28
 Out: 2022.247+/-0.330 χ^2/NDF : 2165173.7/29
 All: 2022.702+/-0.237 χ^2/NDF : 3354355.6/58

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 43.372 $\pm$ 43.393 χ^2 /NDF: 20.3/18

Left Out: 58.983 $\pm$ 21.137 χ^2 /NDF: 46.9/24

Right Out: 77.293 $\pm$ 42.740 χ^2 /NDF: 20.1/20

Left In: 59.235 $\pm$ 21.921 χ^2 /NDF: 29.4/22

Left: 59.104 $\pm$ 15.216 χ^2 /NDF: 76.3/47

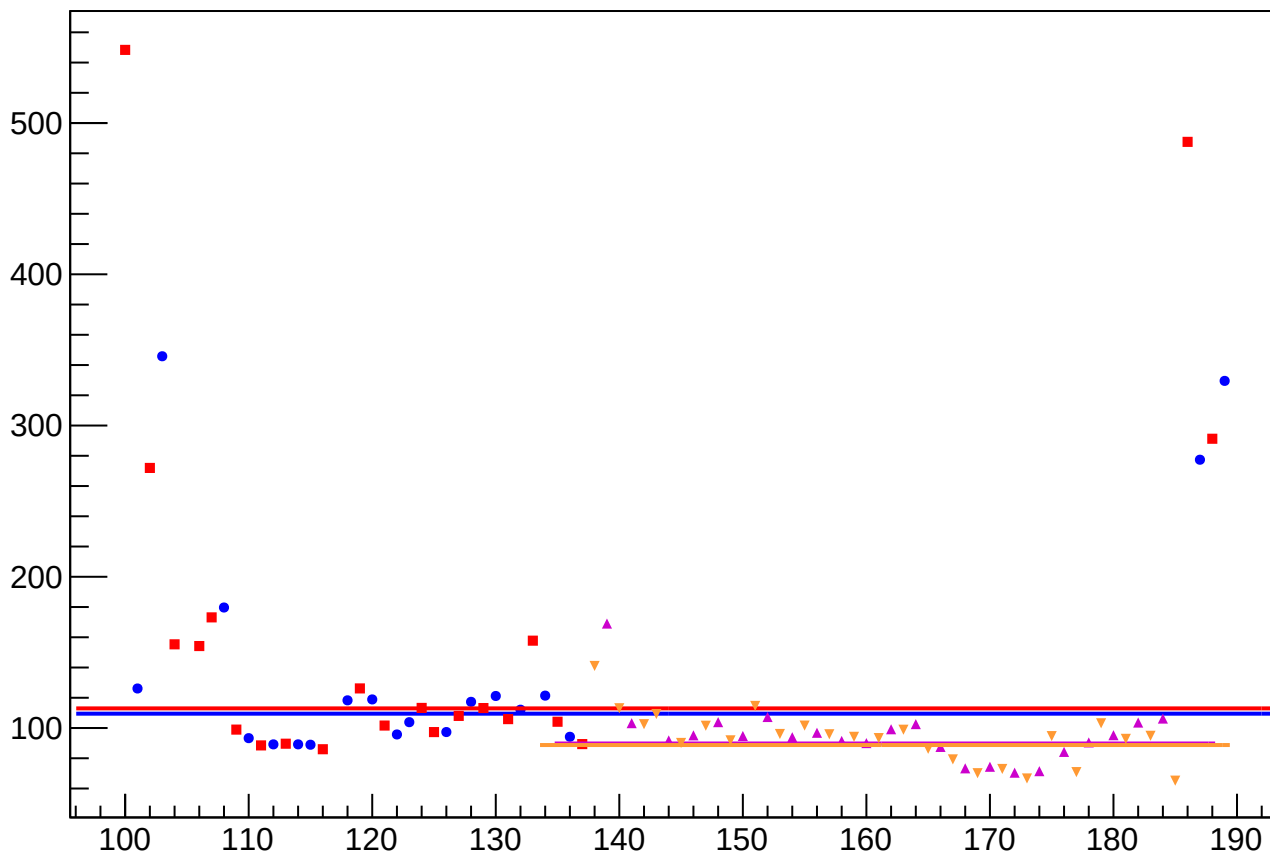
Right: 60.590 $\pm$ 30.450 χ^2 /NDF: 40.7/39

In: 56.009 $\pm$ 19.566 χ^2 /NDF: 49.8/41

Out: 62.581 $\pm$ 18.947 χ^2 /NDF: 67.2/45

All: 59.401 $\pm$ 13.611 χ^2 /NDF: 117.0/87

reg_asym_sam3_rms vs Slug, Sign Corrected



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

Left: 89.238 $\pm$ 0.011 χ^2 /NDF: 1967390.0/47

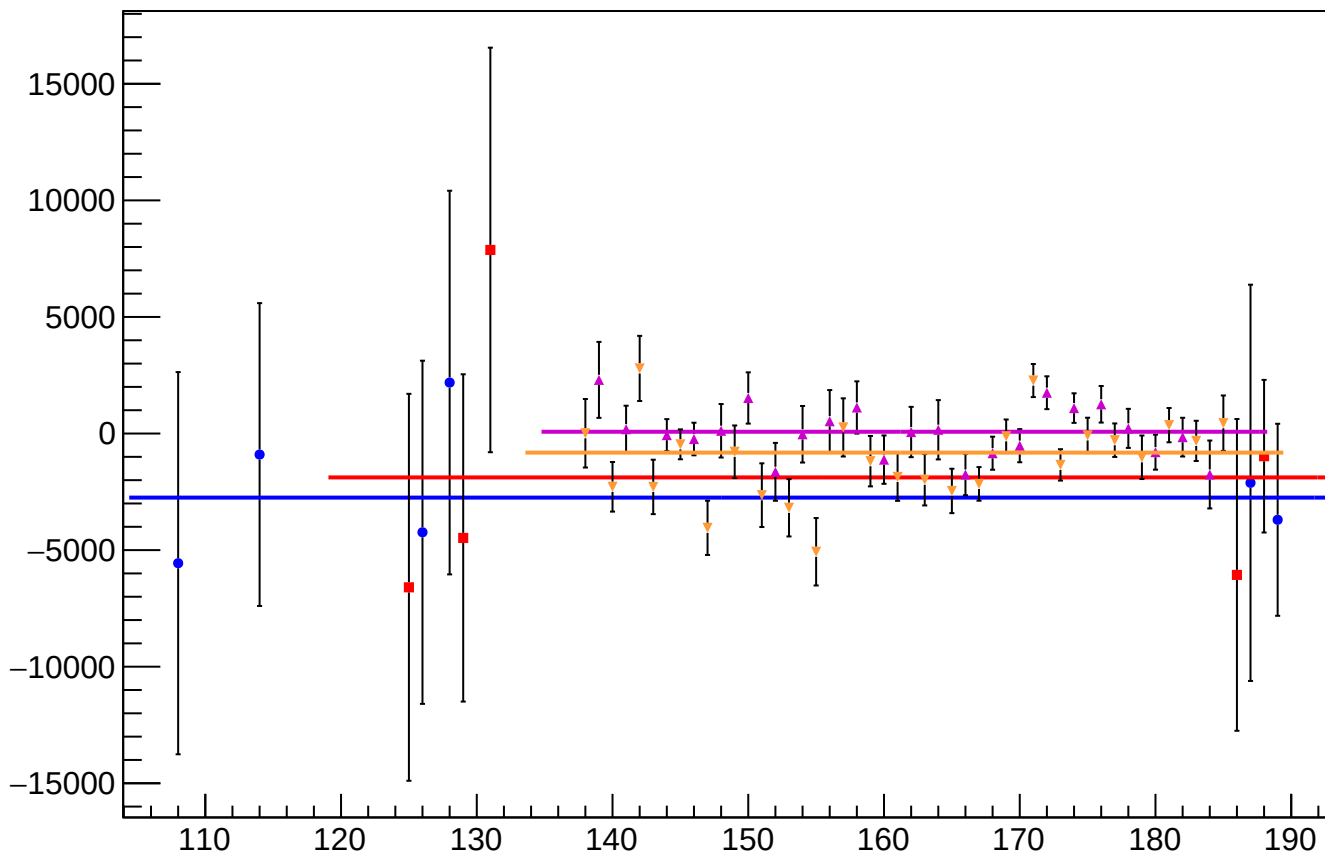
Right: 111.255 $\pm$ 0.022 χ^2 /NDF: 3371711.2/39

In: 93.775 $\pm$ 0.014 χ^2 /NDF:2550891.9/41

Out: 93.509 $\pm$ 0.013 χ^2 /NDF:3624668.1/45

All: 93.638 $\pm$ 0.010 χ^2 /NDF: 6175750.3/87

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -2748.005 $\pm$ 2629.321 χ^2 /NDF: 0.7/5

Left Out: -818.877 $\pm$ 184.464 χ^2 /NDF:68.2/24

Right Out: -1882.597 $\pm$ 2470.583 χ^2 /NDF: 2.2/4

Left In: 76.204 $\pm$ 186.651 χ^2 /NDF:28.3/22

Left: -376.610 $\pm$ 131.202 χ^2 /NDF: 108.1/47

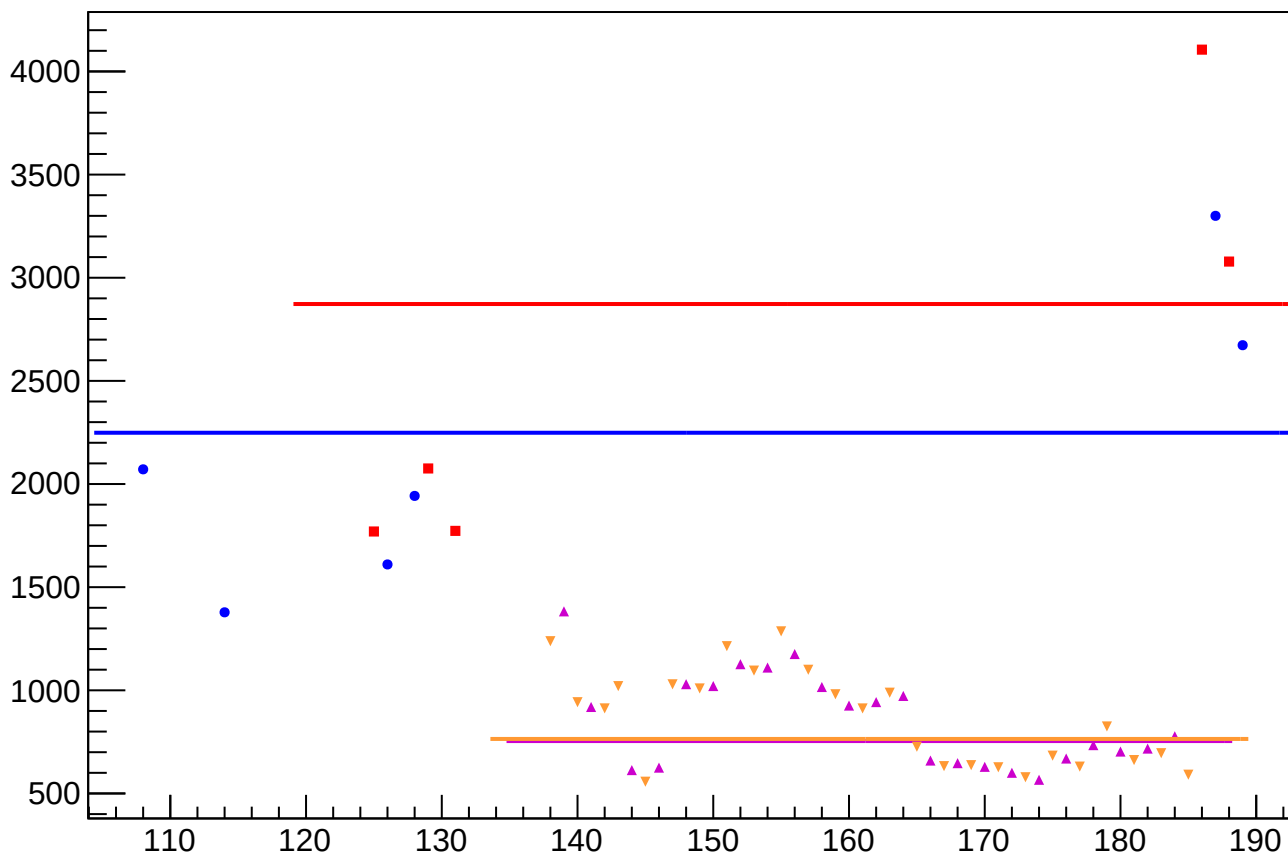
Right: -2288.390 $\pm$ 1800.470 χ^2 /NDF: 2.9/10

In: 62.043 $\pm$ 186.182 χ^2 /NDF:30.1/28

Out: -824.774 $\pm$ 183.952 χ^2 /NDF:70.6/29

All: -386.709 $\pm$ 130.855 χ^2 /NDF: 112.1/58

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left: 759.214+/-0.093 χ^2/NDF : 4332425.4/47

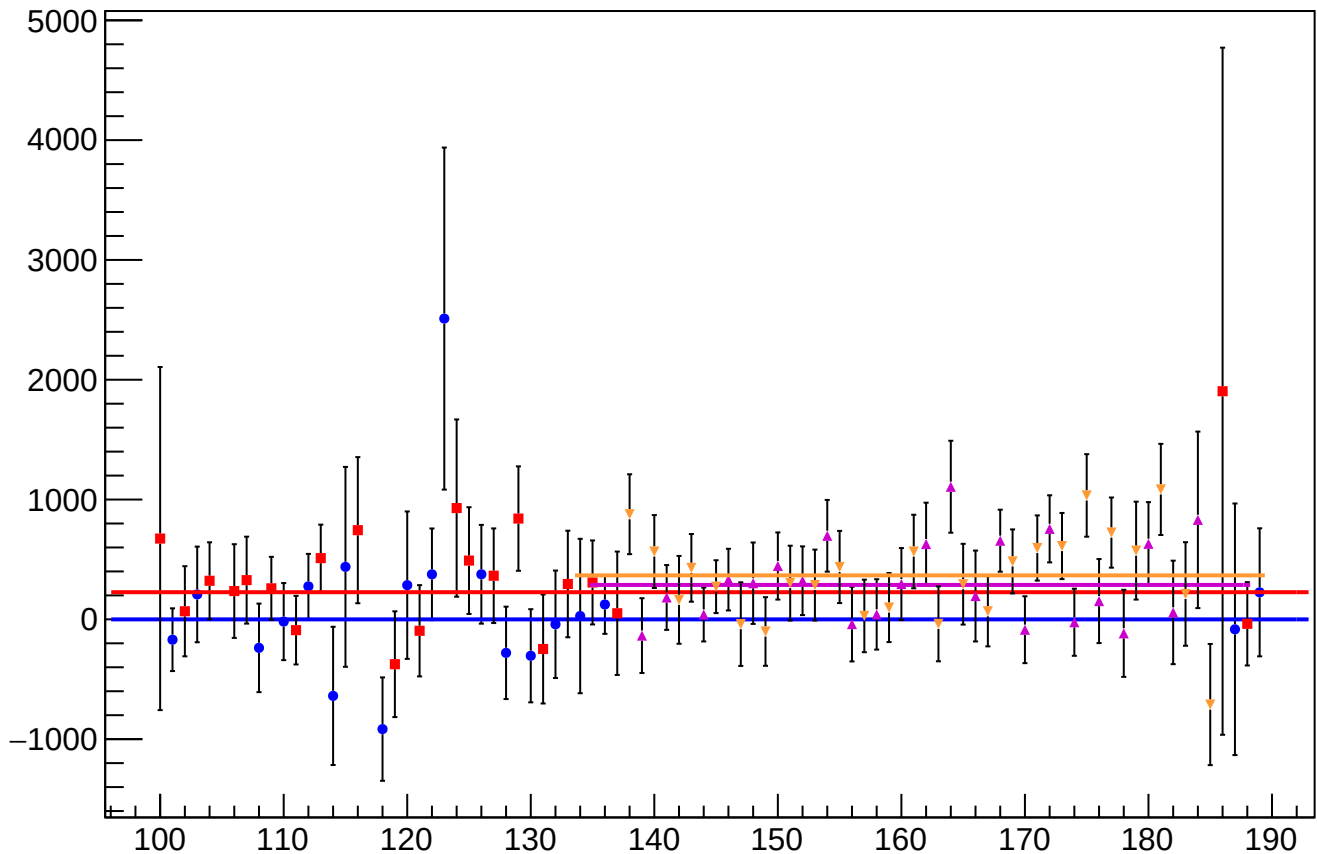
Right: 2579.990+/-1.273 χ^2/NDF : 335560.2/10

In: 761.520+/-0.132 χ^2/NDF : 2762900.0/28

Out: 775.968+/-0.130 χ^2/NDF : 3933555.3/29

All: 768.831+/-0.093 χ^2/NDF : 6702549.2/58

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -0.242 $\pm$ 91.712 χ^2/NDF : 14.9/18

Left Out: 367.028 $\pm$ 61.943 χ^2/NDF : 28.2/24

Right Out: 226.552 $\pm$ 86.281 χ^2/NDF : 11.6/20

Left In: 287.246 $\pm$ 64.141 χ^2/NDF : 23.9/22

Left: 328.527 $\pm$ 44.557 χ^2/NDF : 52.9/47

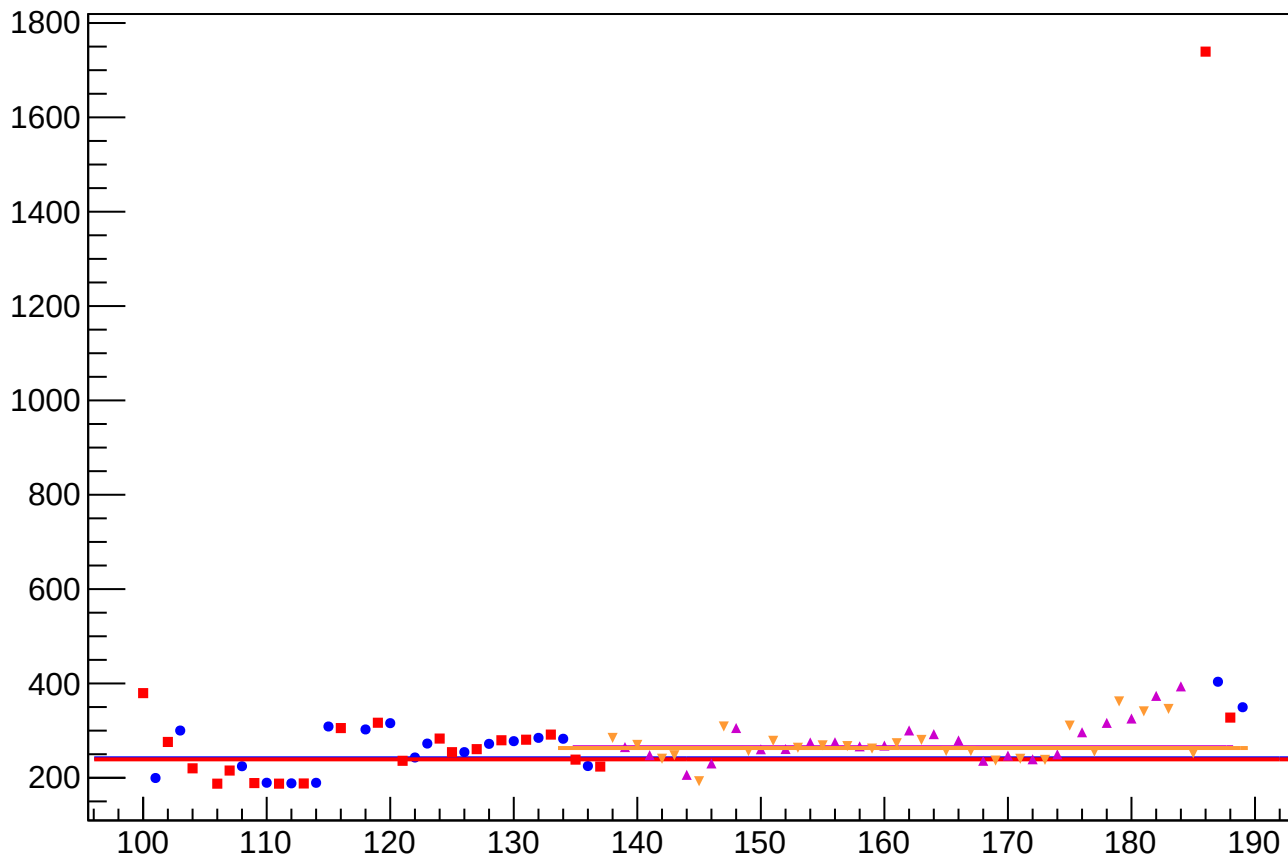
Right: 120.069 $\pm$ 62.842 χ^2/NDF : 29.7/39

In: 192.817 $\pm$ 52.562 χ^2/NDF : 45.3/41

Out: 319.249 $\pm$ 50.319 χ^2/NDF : 41.6/45

All: 258.789 $\pm$ 36.348 χ^2/NDF : 89.9/87

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 241.348+/-0.065 χ^2/NDF : 524742.0/18

Left Out: 263.103+/-0.044 χ^2/NDF : 642226.0/24

Right Out: 239.113+/-0.061 χ^2/NDF : 1135368.3/20

Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

Left: 263.981+/-0.032 χ^2/NDF : 1252084.1/47

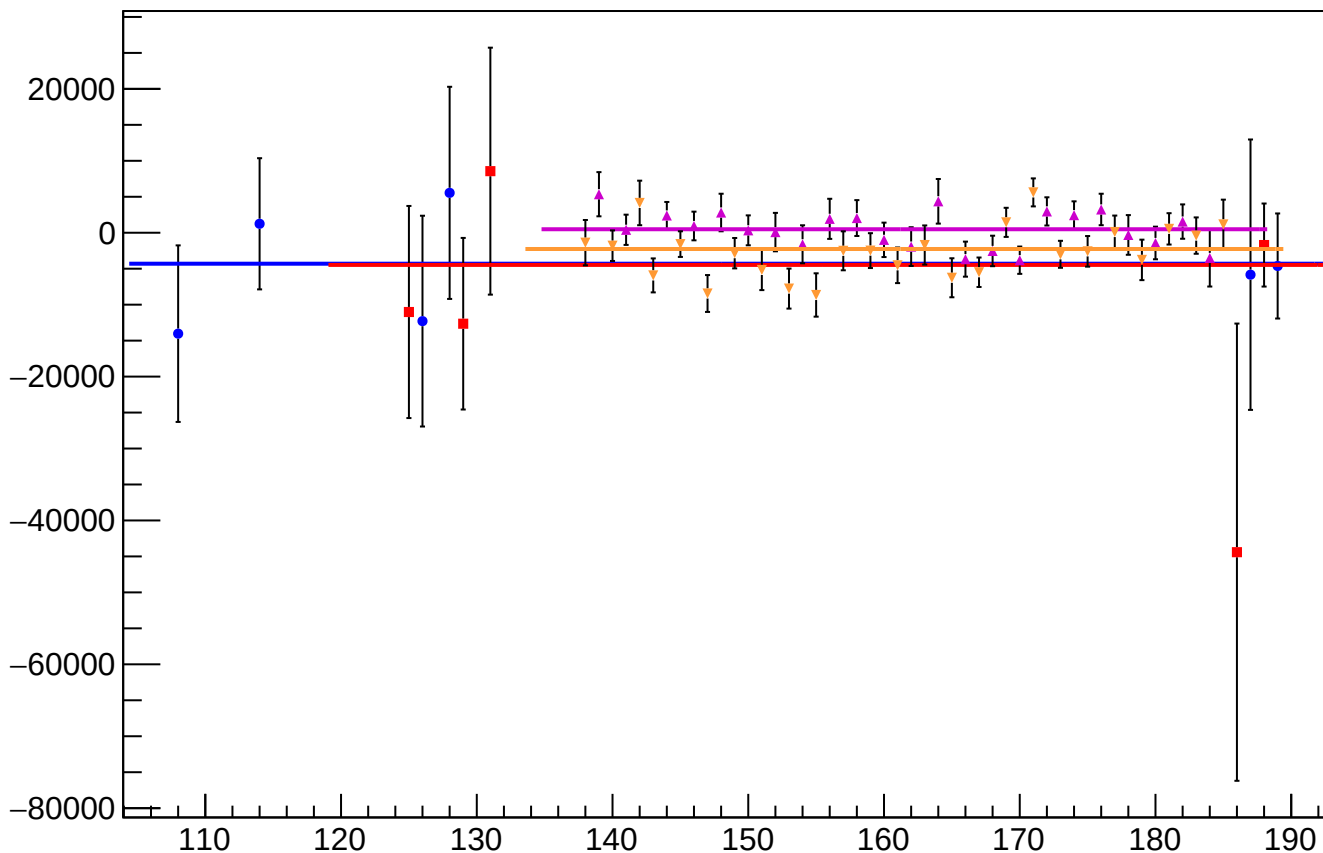
Right: 240.162+/-0.044 χ^2/NDF : 1660740.6/39

In: 257.179+/-0.037 χ^2/NDF : 1222515.1/41

Out: 254.943+/-0.036 χ^2/NDF : 1879627.8/45

All: 256.013+/-0.026 χ^2/NDF : 3104031.7/87

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left: -921.890+/-340.321 χ^2/NDF : 93.4/47

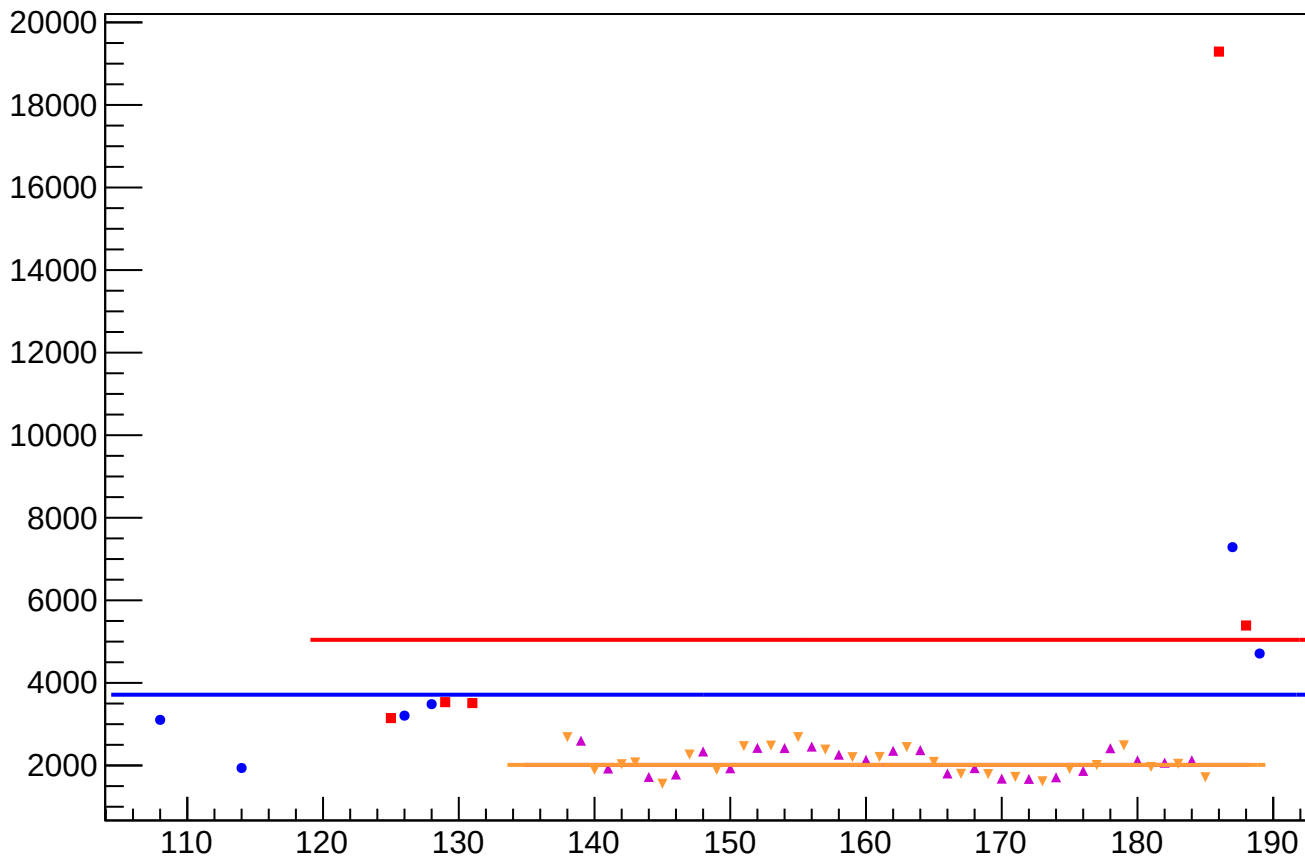
Right: -4386.045+/-3235.497 χ^2/NDF : 4.8/10

In: 429.889+/-484.624 χ^2/NDF : 27.6/28

Out: -2282.966+/-472.883 χ^2/NDF : 55.6/29

All: -959.797+/-338.453 χ^2/NDF : 99.3/58

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left: 2013.686+/-0.241 χ^2/NDF : 1497737.9/47

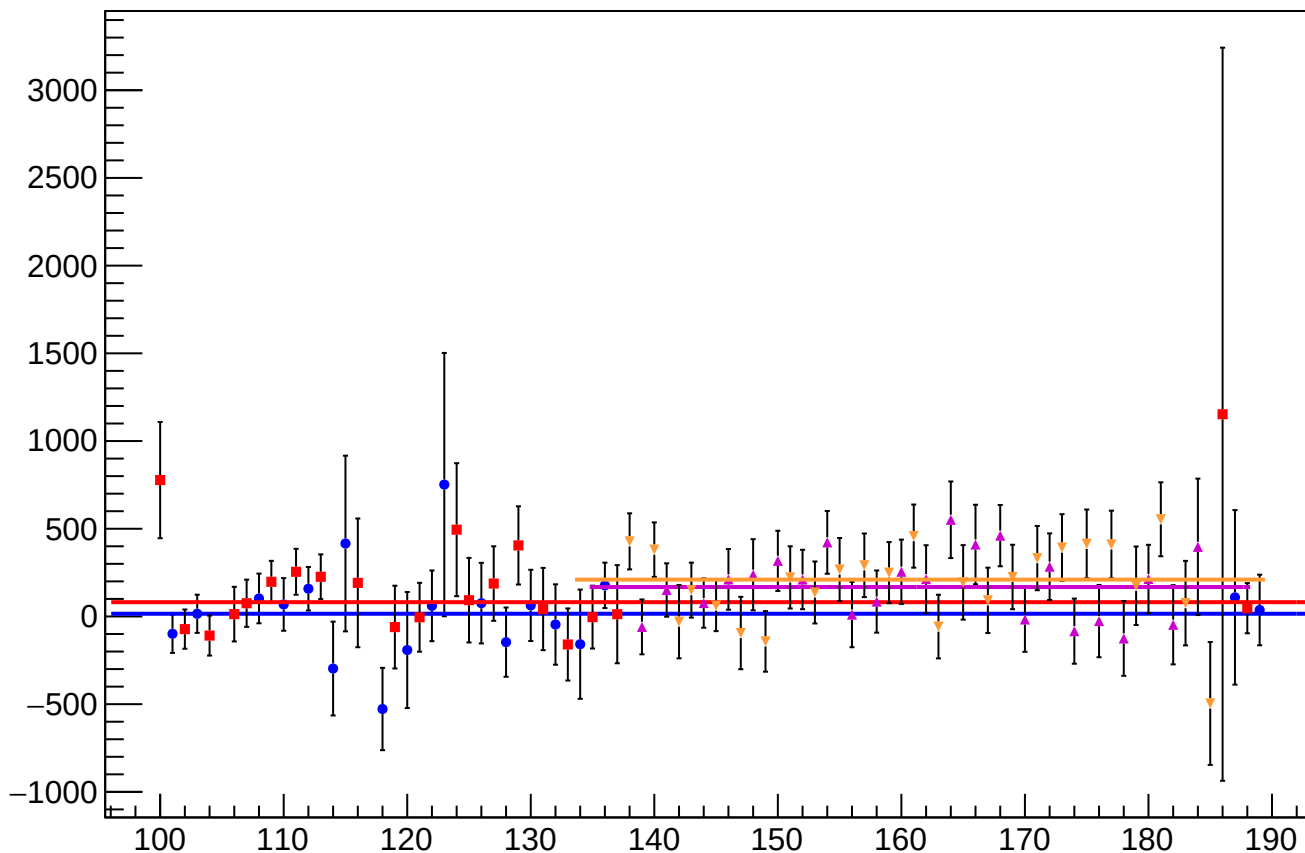
Right: 4354.314+/-2.288 χ^2/NDF : 767715.0/10

In: 2033.016+/-0.343 χ^2/NDF : 1138268.5/28

Out: 2045.281+/-0.334 χ^2/NDF : 2161751.7/29

All: 2039.299+/-0.239 χ^2/NDF : 3300676.4/58

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 15.478 $\pm$ 41.313 χ^2/NDF : 14.5/18

Left Out: 210.086 $\pm$ 37.093 χ^2/NDF : 27.5/24

Right Out: 81.457 $\pm$ 37.653 χ^2/NDF : 19.5/20

Left In: 167.822 $\pm$ 38.718 χ^2/NDF : 21.1/22

Left: 189.859 $\pm$ 26.785 χ^2/NDF : 49.3/47

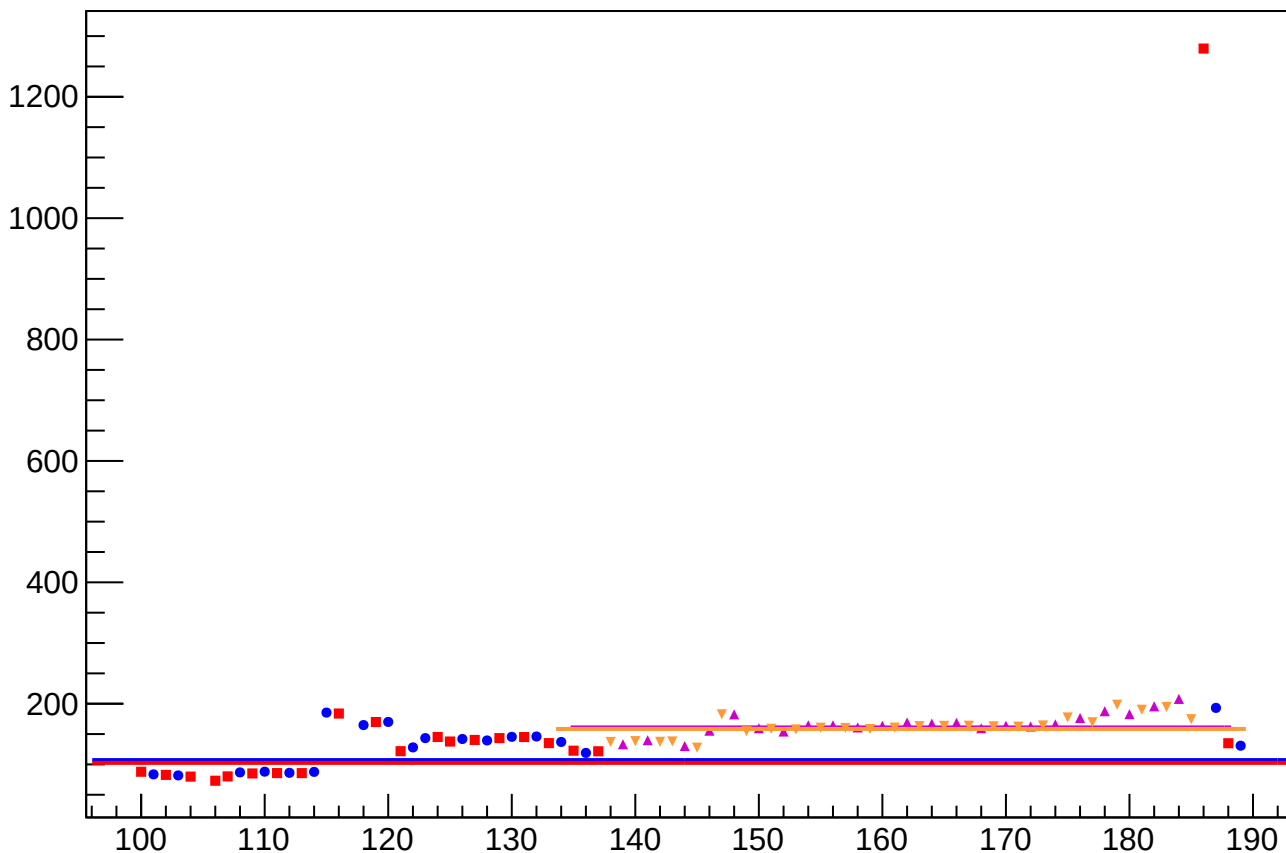
Right: 51.519 $\pm$ 27.829 χ^2/NDF : 35.3/39

In: 96.584 $\pm$ 28.250 χ^2/NDF : 42.8/41

Out: 146.735 $\pm$ 26.425 χ^2/NDF : 52.9/45

All: 123.332 $\pm$ 19.298 χ^2/NDF : 97.5/87

reg_asym_sam5_rms vs Slug, Sign Corrected



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

Left: 159.640 $\pm$ 0.019 χ^2 /NDF: 818385.9/47

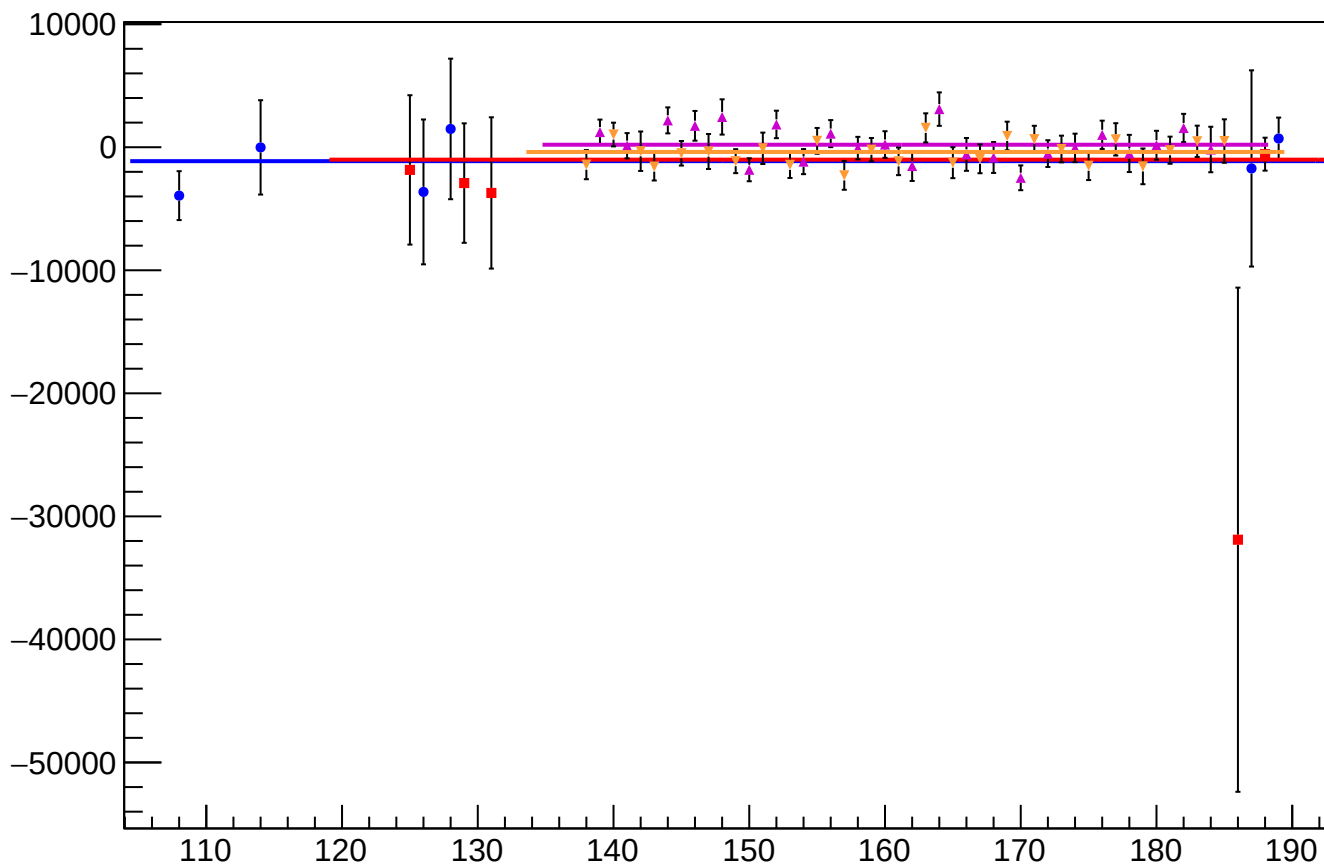
Right: 104.615 $\pm$ 0.020 χ^2 /NDF: 2722476.3/39

In: 135.787 $\pm$ 0.020 χ^2 /NDF: 3146608.7/41

Out: 130.897 $\pm$ 0.019 χ^2 /NDF: 4421229.9/45

All: 133.179 $\pm$ 0.014 χ^2 /NDF: 7599804.0/87

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left: -98.432+/-165.884 χ^2/NDF : 56.7/47

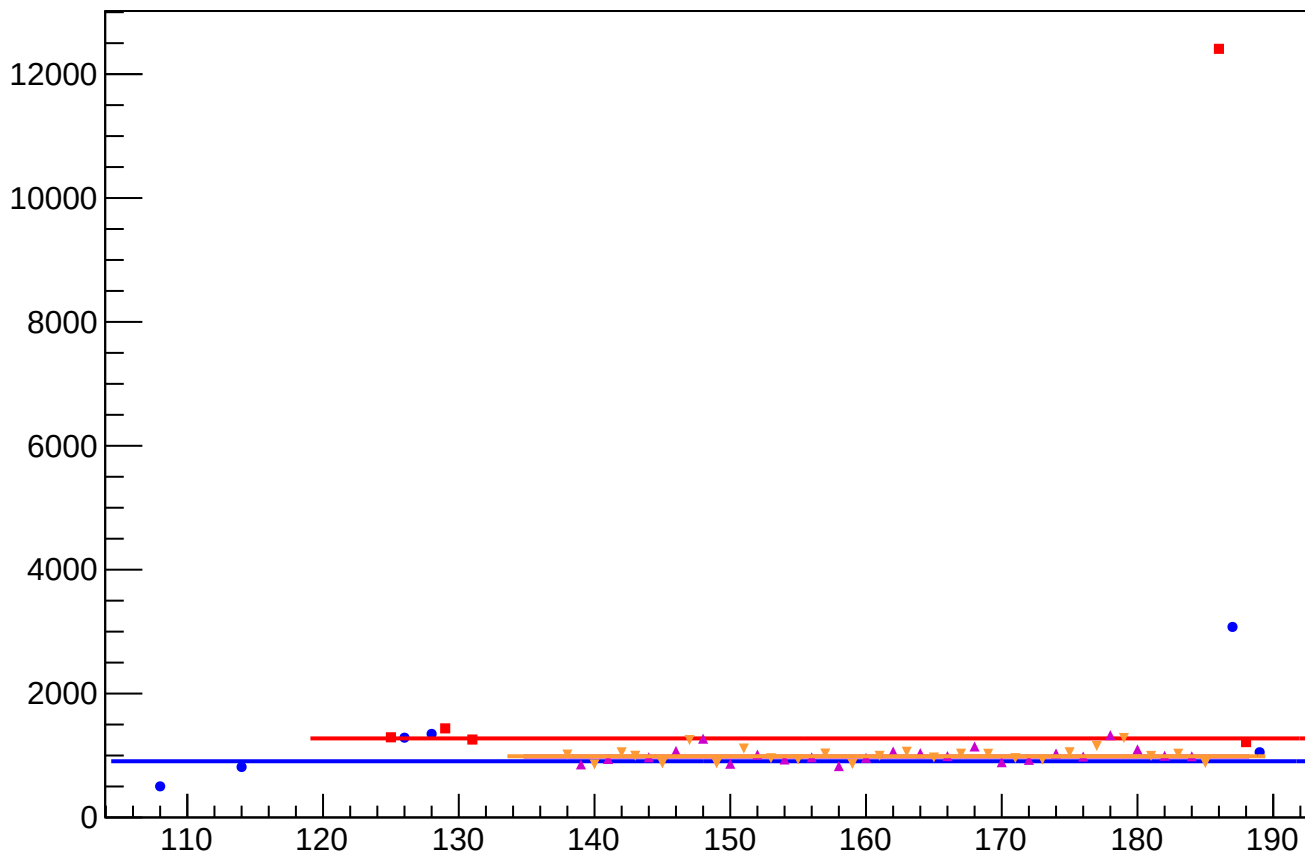
Right: -1074.555+/-845.660 χ^2/NDF : 6.4/10

In: 148.661+/-232.644 χ^2/NDF : 40.4/28

Out: -406.303+/-227.848 χ^2/NDF : 21.1/29

All: -134.600+/-162.782 χ^2/NDF : 64.3/58

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left: 985.929+/-0.117 χ^2/NDF : 793511.2/47

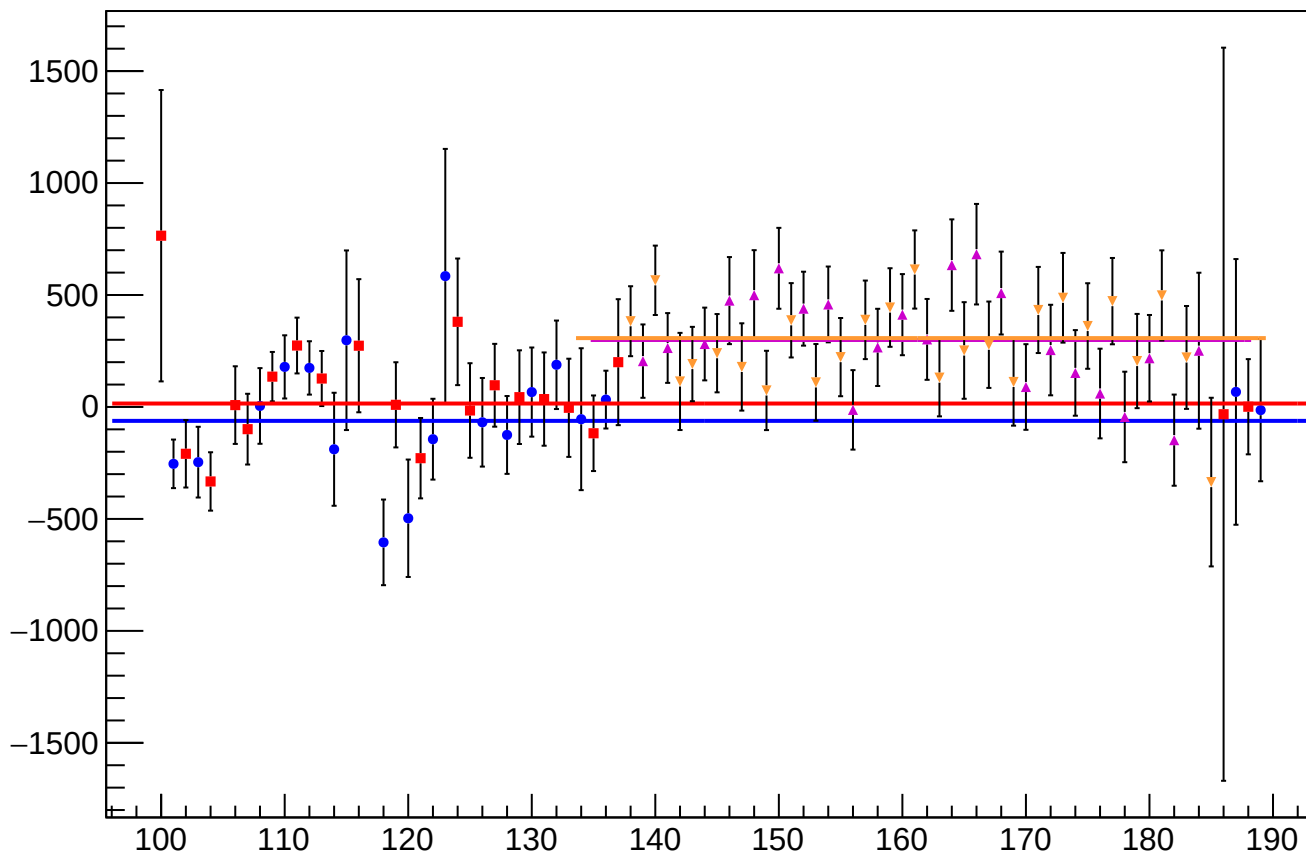
Right: 1080.457+/-0.598 χ^2/NDF : 958755.6/10

In: 980.819+/-0.165 χ^2/NDF : 691856.7/28

Out: 997.692+/-0.161 χ^2/NDF : 1079104.0/29

All: 989.431+/-0.115 χ^2/NDF : 1776331.0/58

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -62.115 $\pm$ 41.861 χ^2 /NDF: 27.6/18

Left Out: 307.487 $\pm$ 37.278 χ^2 /NDF:20.7/24

Right Out: 15.336 $\pm$ 38.855 χ^2 /NDF: 23.1/20

Left In: 299.192 $\pm$ 39.009 χ^2 /NDF:28.5/22

Left: 303.528 $\pm$ 26.951 χ^2 /NDF: 49.3/47

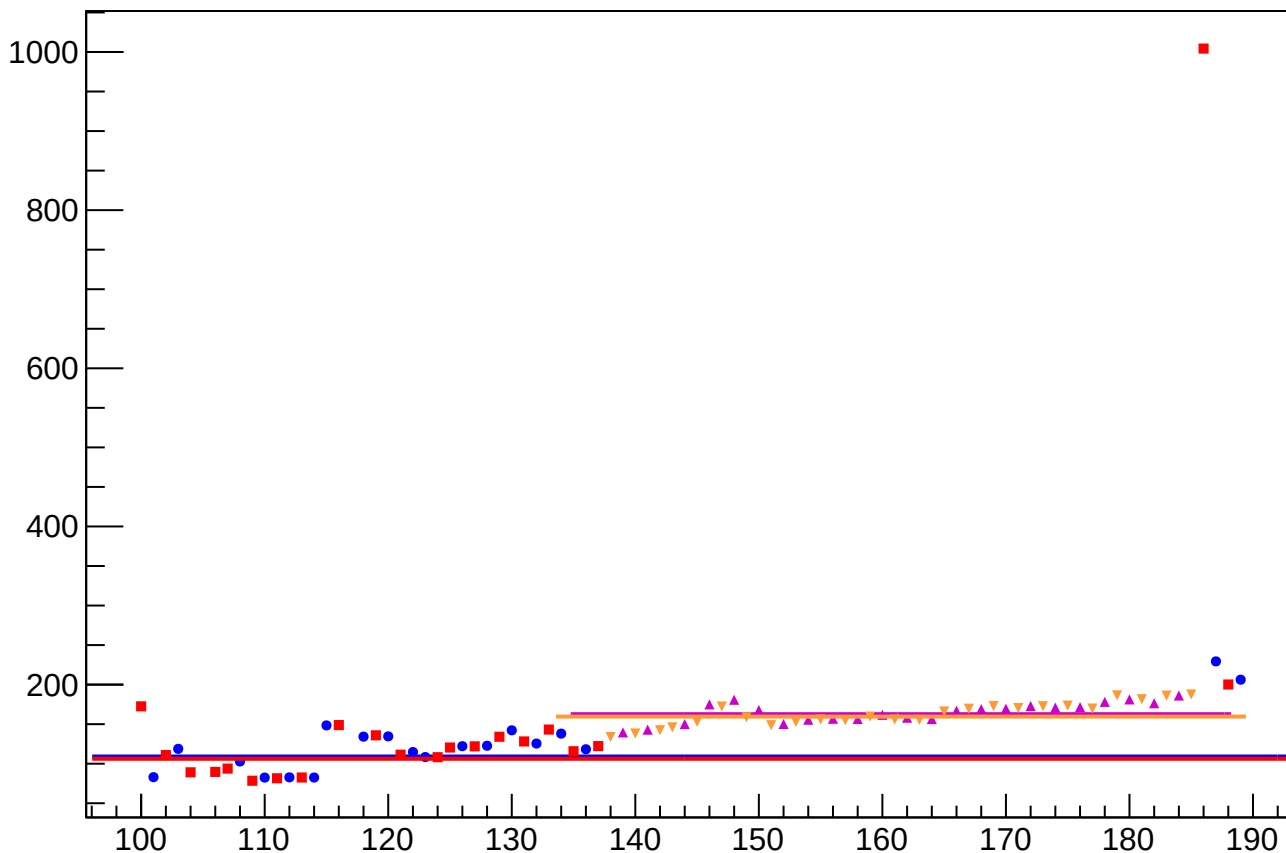
Right: -20.509 $\pm$ 28.478 χ^2 /NDF: 52.6/39

In: 131.263 $\pm$ 28.538 χ^2 /NDF:96.0/41

Out: 167.462 $\pm$ 26.900 χ^2 /NDF:73.2/45

All: 150.431 $\pm$ 19.575 χ^2 /NDF: 170.1/87

reg_asym_sam6_rms vs Slug, Sign Corrected



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

Left: 161.019 $\pm$ 0.019 χ^2 /NDF: 493626.9/47

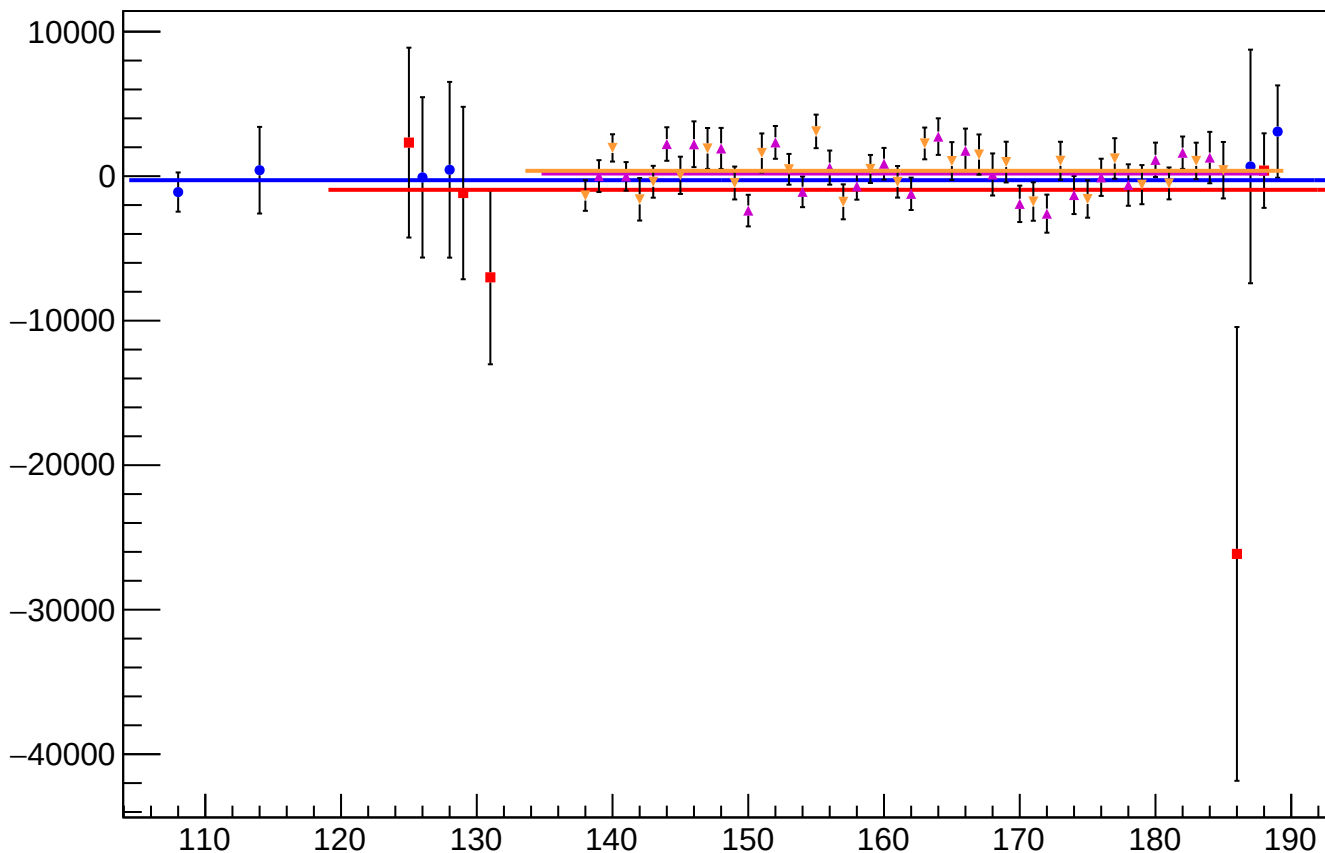
Right: 107.541 $\pm$ 0.020 χ^2 /NDF: 2385086.4/39

In: 137.724 $\pm$ 0.020 χ^2 /NDF: 2728865.5/41

Out: 134.000 $\pm$ 0.019 χ^2 /NDF: 3852350.6/45

All: 135.752 $\pm$ 0.014 χ^2 /NDF: 6599250.5/87

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left: 279.847 ± 175.203 χ^2/NDF : 67.2/47

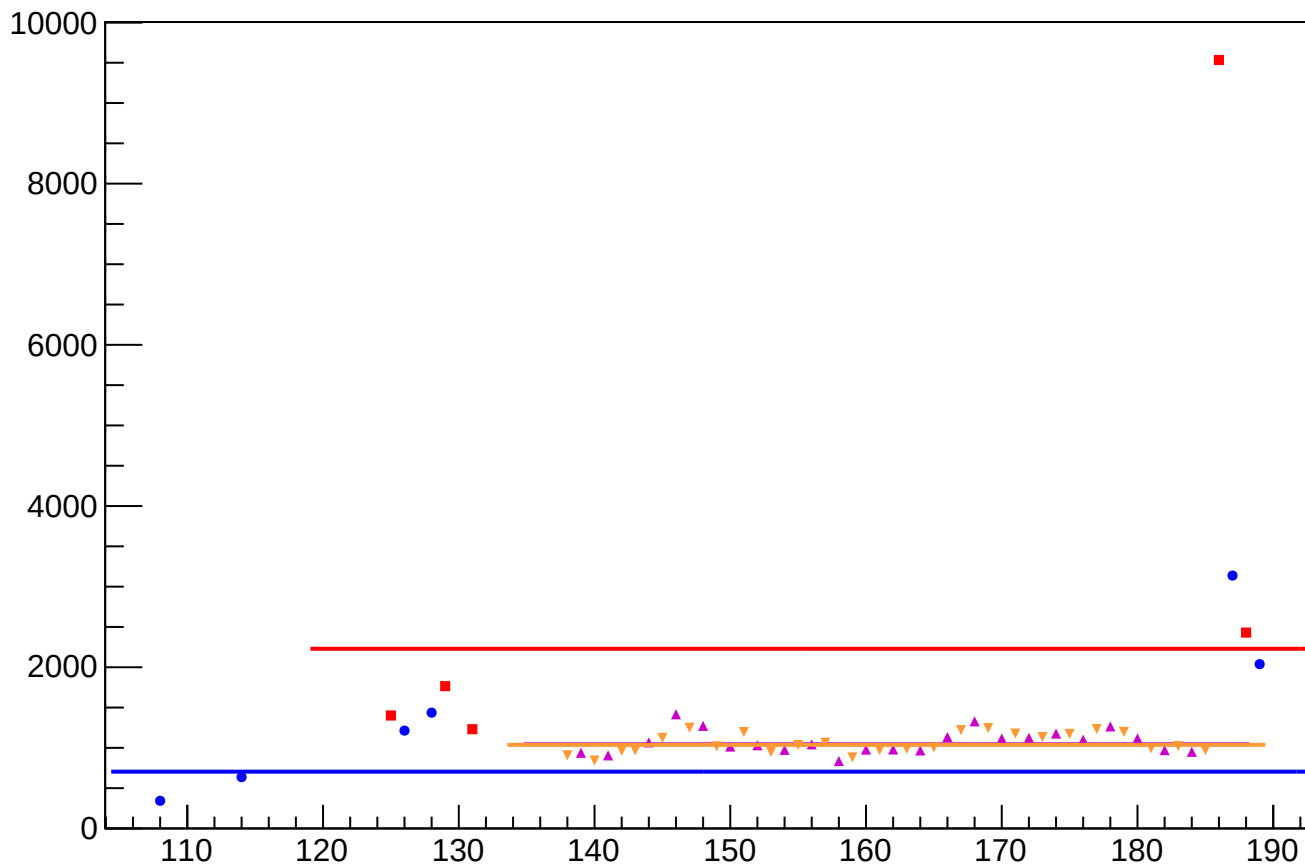
Right: -425.463 ± 971.072 χ^2/NDF : 5.7/10

In: 160.001 ± 245.869 χ^2/NDF : 38.2/28

Out: 352.059 ± 241.854 χ^2/NDF : 35.0/29

All: 257.611 ± 172.419 χ^2/NDF : 73.5/58

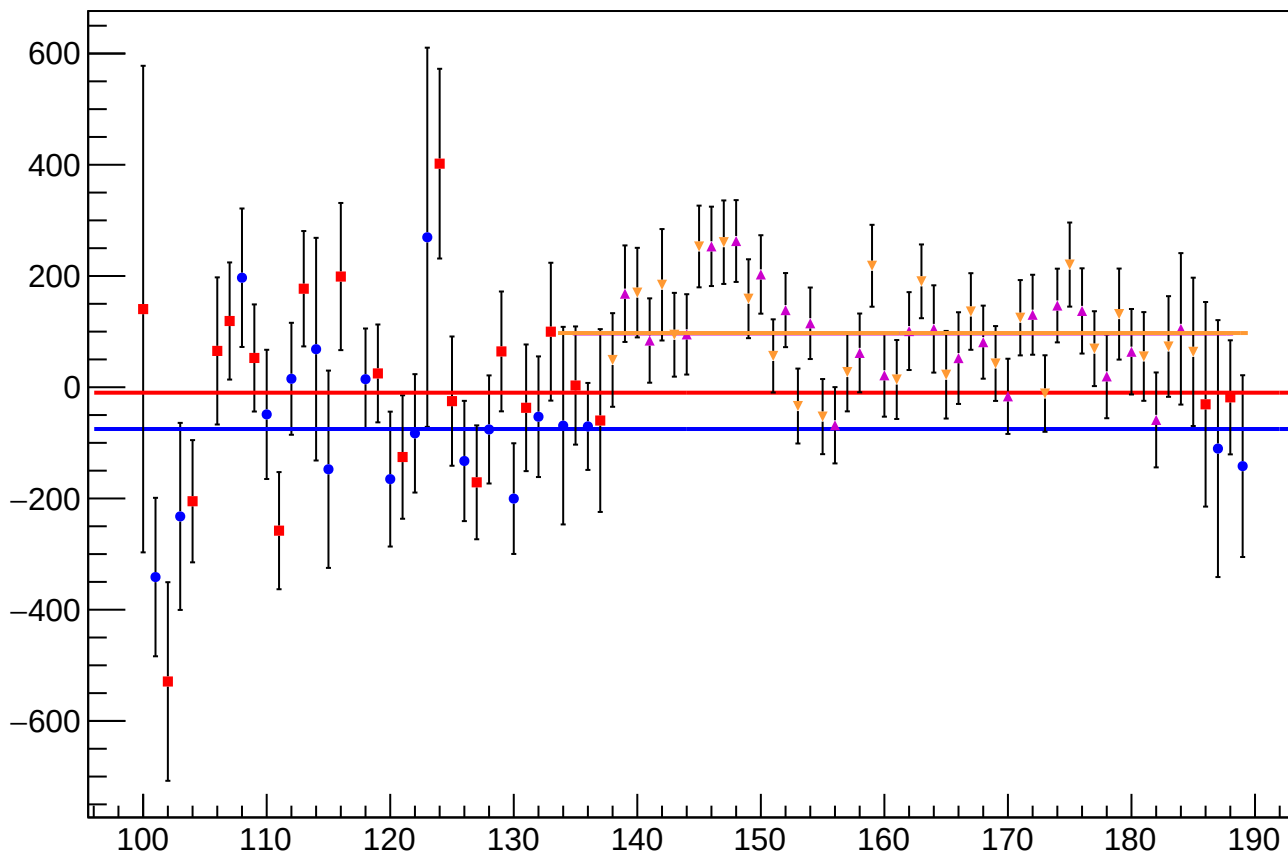
asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 704.653+/-0.777 χ^2/NDF : 718254.4/5
 Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24
 Right Out: 2229.372+/-1.464 χ^2/NDF : 543873.9/4
 Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

Left: 1041.093+/-0.124 χ^2/NDF : 1039107.0/47
 Right: 1039.916+/-0.687 χ^2/NDF : 2107913.5/10
 In: 1027.737+/-0.174 χ^2/NDF : 1443371.7/28
 Out: 1053.943+/-0.171 χ^2/NDF : 1692104.4/29
 All: 1041.056+/-0.122 χ^2/NDF : 3147023.4/58

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -75.101 ± 27.810 χ^2/NDF : 15.3/18

Left Out: 97.445 ± 14.880 χ^2/NDF : 36.0/24

Right Out: -9.810 ± 25.754 χ^2/NDF : 36.3/20

Left In: 96.704 ± 15.369 χ^2/NDF : 29.2/22

Left: 97.087 ± 10.690 χ^2/NDF : 65.2/47

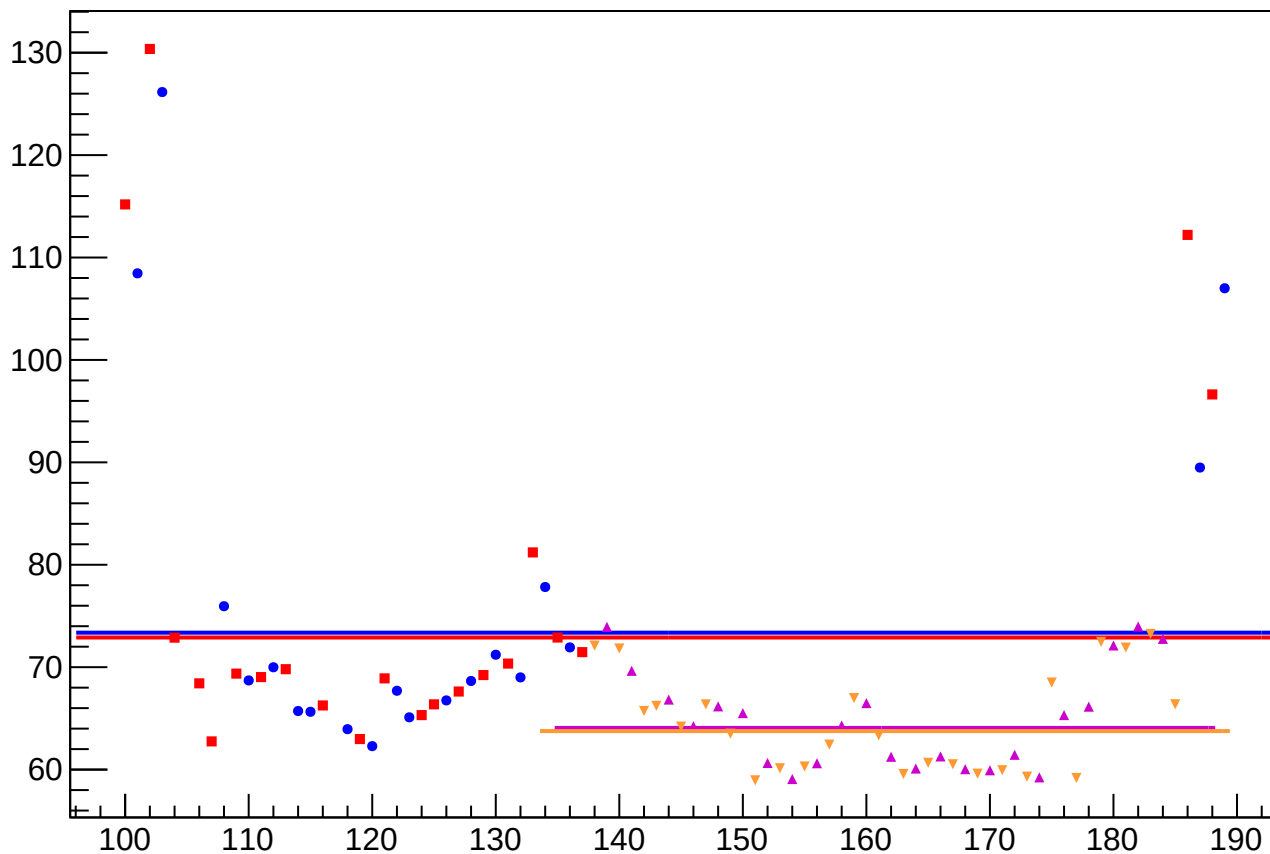
Right: -39.953 ± 18.896 χ^2/NDF : 54.6/39

In: 56.507 ± 13.452 χ^2/NDF : 73.8/41

Out: 70.603 ± 12.884 χ^2/NDF : 85.3/45

All: 63.859 ± 9.305 χ^2/NDF : 159.6/87

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.369 $\pm$ 0.020 χ^2 /NDF: 489168.8/18

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF: 192803.8/24

Right Out: 72.896 $\pm$ 0.018 χ^2 /NDF: 513444.3/20

Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

Left: 63.910 $\pm$ 0.008 χ^2 /NDF: 357877.2/47

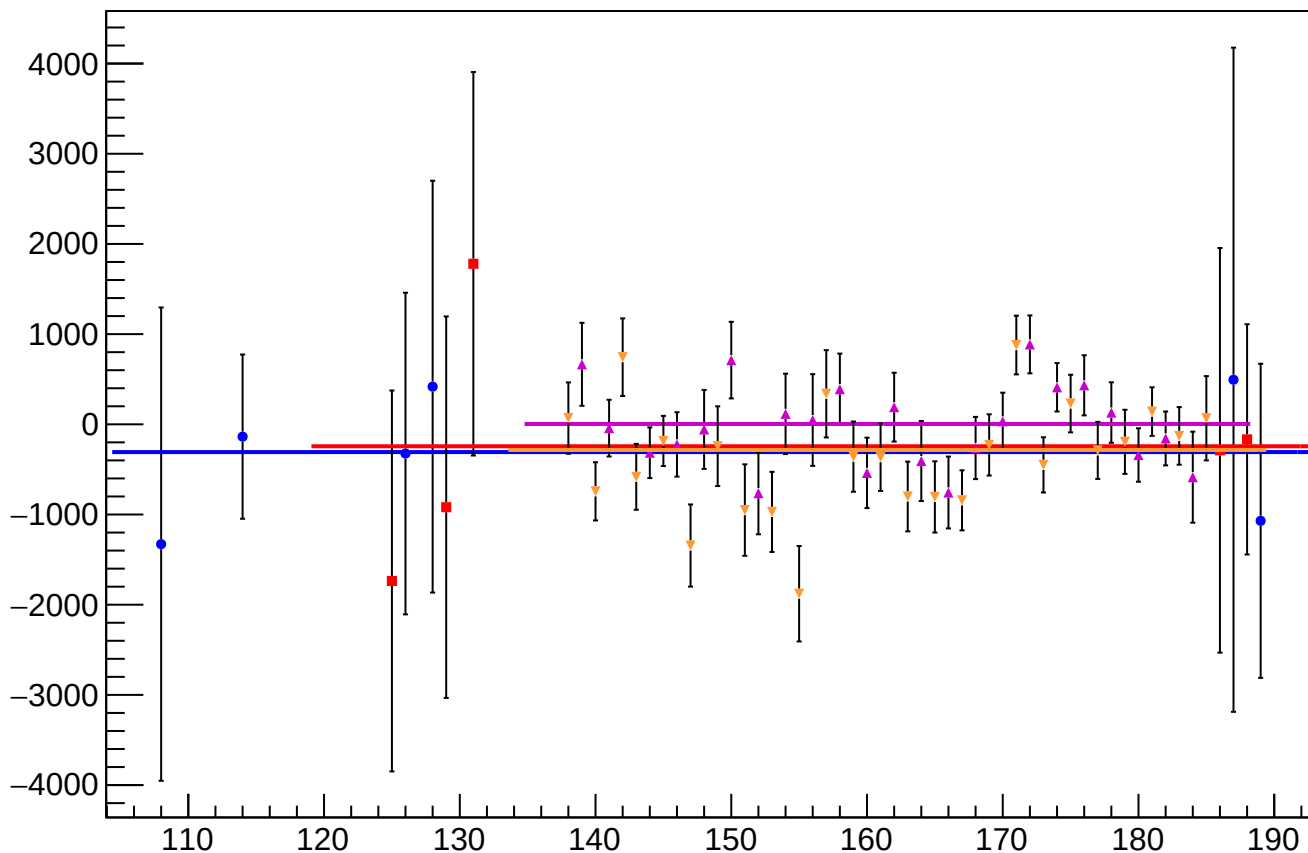
Right: 73.114 $\pm$ 0.013 χ^2 /NDF: 1002923.4/39

In: 66.244 $\pm$ 0.010 χ^2 /NDF: 825167.2/41

Out: 66.047 $\pm$ 0.009 χ^2 /NDF: 894917.1/45

All: 66.142 $\pm$ 0.007 χ^2 /NDF: 1720308.1/87

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: -307.726 $\pm$ 664.985 χ^2 /NDF: 0.5/5

Left Out: -284.304 $\pm$ 72.732 χ^2 /NDF:55.1/24

Right Out: -243.348 $\pm$ 821.554 χ^2 /NDF: 1.5/4

Left In: 4.037 $\pm$ 75.084 χ^2 /NDF:32.4/22

Left: -144.720 $\pm$ 52.241 χ^2 /NDF: 95.0/47

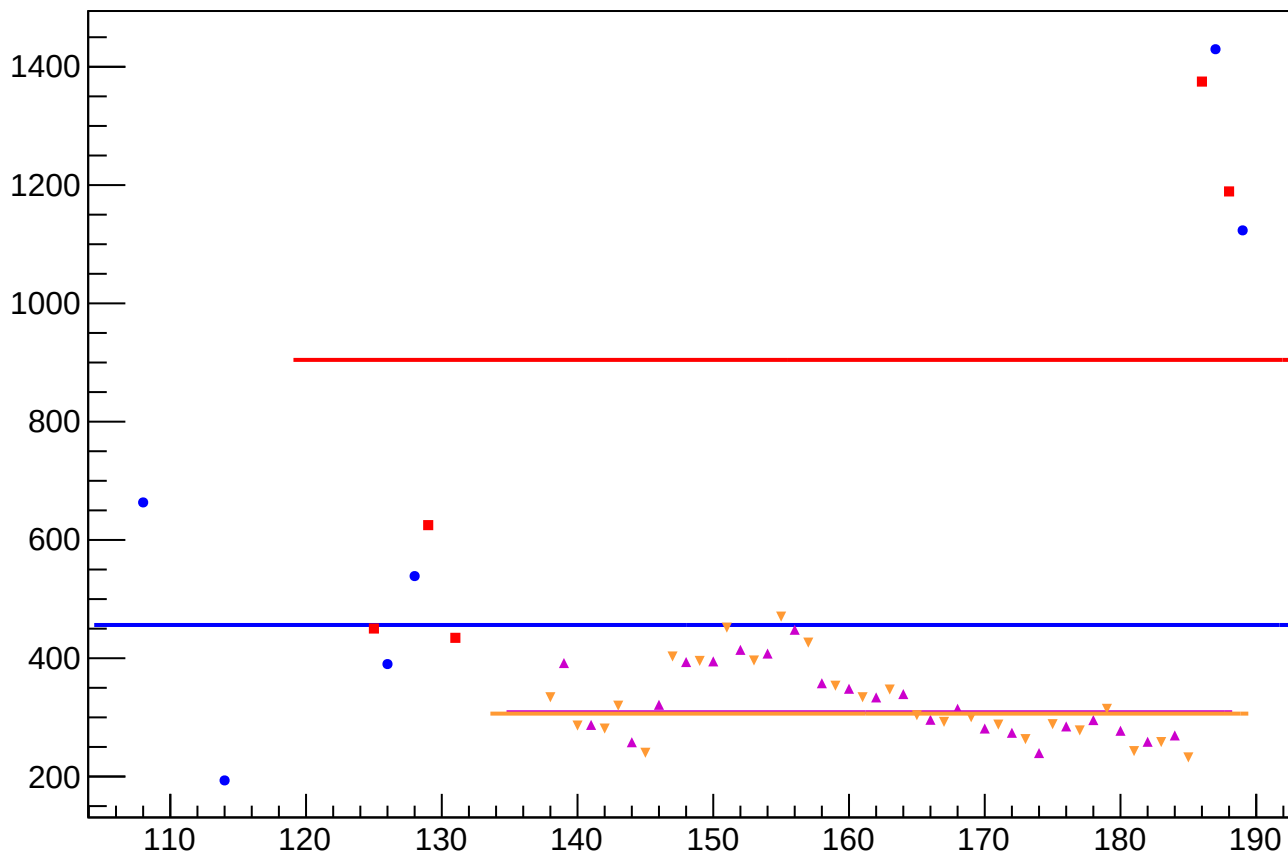
Right: -282.243 $\pm$ 516.882 χ^2 /NDF: 2.0/10

In: 0.112 $\pm$ 74.610 χ^2 /NDF:33.1/28

Out: -283.985 $\pm$ 72.449 χ^2 /NDF:56.6/29

All: -146.111 $\pm$ 51.976 χ^2 /NDF: 97.1/58

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left: 307.507+/-0.037 χ^2/NDF : 2219640.0/47

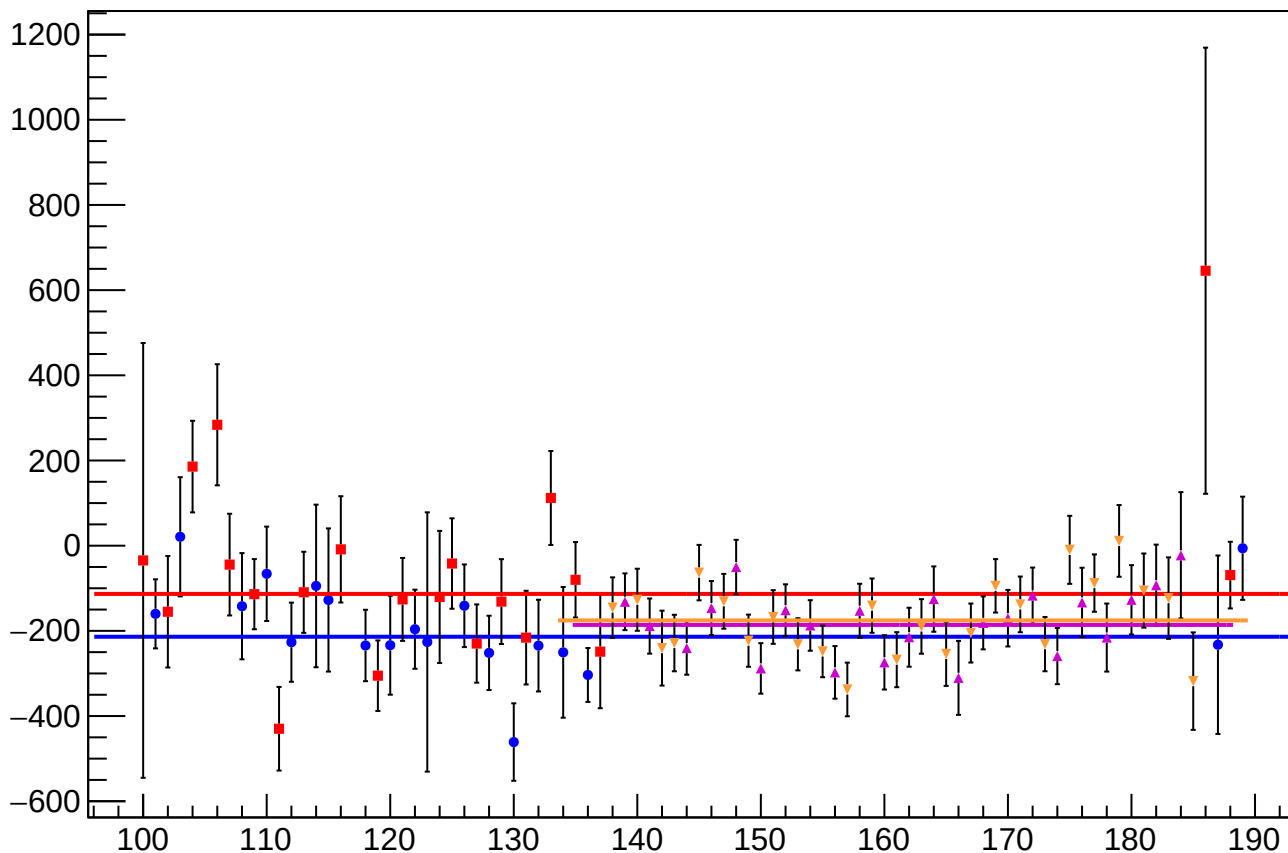
Right: 633.653+/-0.365 χ^2/NDF : 1390322.2/10

In: 310.584+/-0.053 χ^2/NDF : 1718056.8/28

Out: 311.014+/-0.051 χ^2/NDF : 2680107.5/29

All: 310.805+/-0.037 χ^2/NDF : 4398198.5/58

reg_asym_sam8_mean vs Slug, Sign Corrected



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

Left: -180.583 ± 9.952 χ^2/NDF : 58.5/47

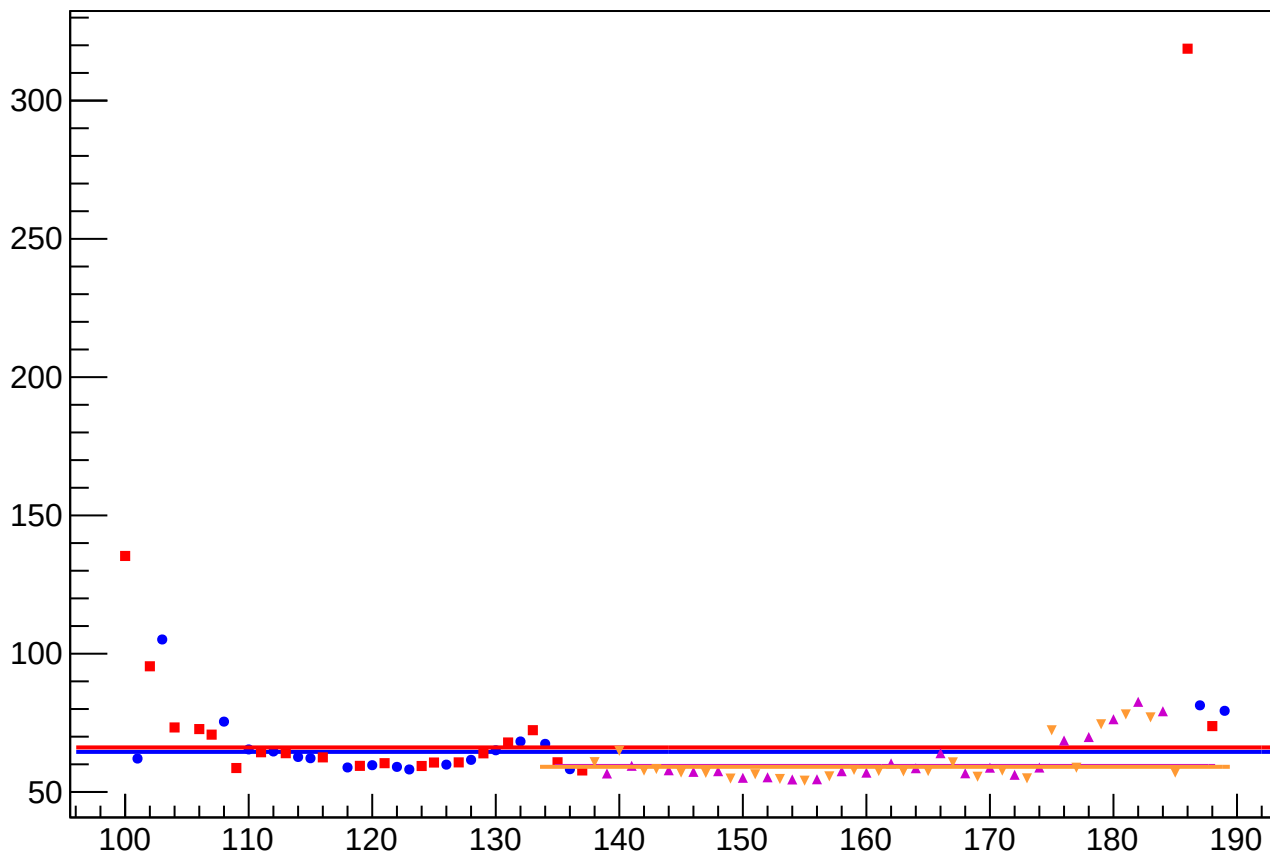
Right: -161.922 ± 16.881 χ^2/NDF : 71.4/39

In: -193.215 ± 12.329 χ^2/NDF : 43.9/41

Out: -159.438 ± 11.929 χ^2/NDF : 83.1/45

All: -175.770 ± 8.573 χ^2/NDF : 130.8/87

reg_asym_sam8_rms vs Slug, Sign Corrected



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

Left: 59.250 $\pm$ 0.007 χ^2 /NDF: 743329.1/47

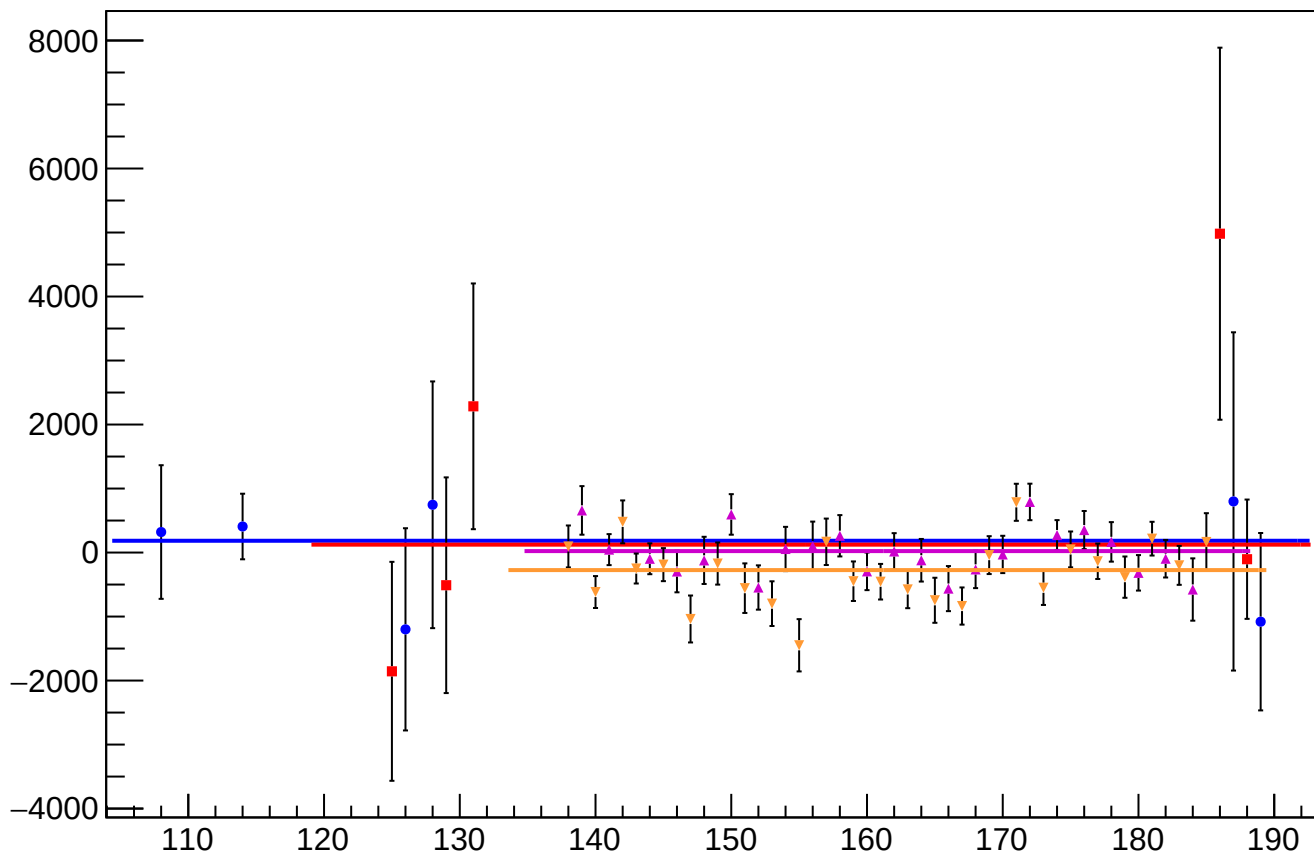
Right: 65.331 $\pm$ 0.012 χ^2 /NDF: 1000882.1/39

In: 60.724 $\pm$ 0.009 χ^2 /NDF: 717533.4/41

Out: 60.907 $\pm$ 0.008 χ^2 /NDF: 1219048.8/45

All: 60.818 $\pm$ 0.006 χ^2 /NDF: 1936809.5/87

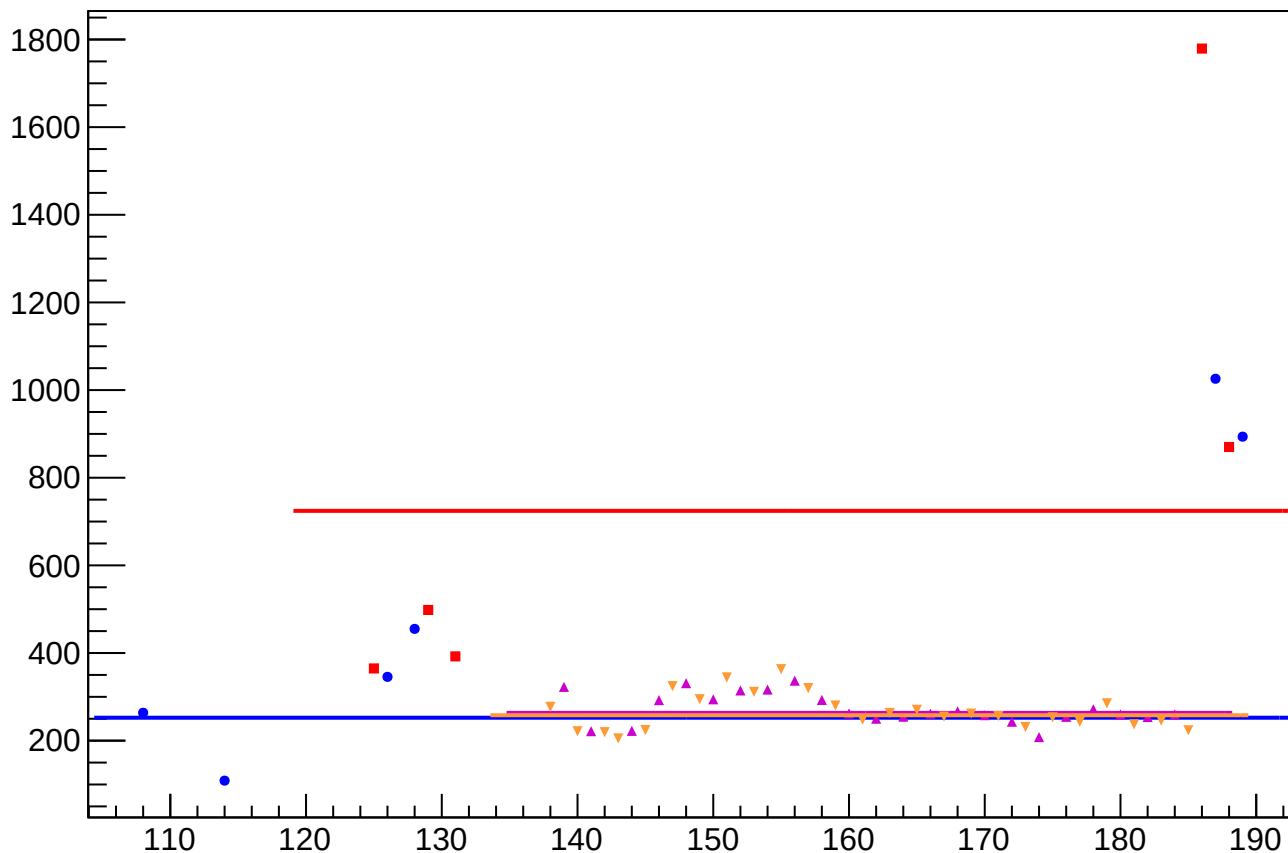
asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left: -132.507 $\pm$ 43.963 χ^2 /NDF: 94.2/47
 Right: 167.791 $\pm$ 347.183 χ^2 /NDF: 7.6/10
 In: 26.501 $\pm$ 62.876 χ^2 /NDF:31.0/28
 Out: -270.834 $\pm$ 60.550 χ^2 /NDF:59.9/29
 All: -127.768 $\pm$ 43.614 χ^2 /NDF: 102.5/58

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 252.370+/-0.287 χ^2/NDF : 786101.7/5

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 724.385+/-0.473 χ^2/NDF : 496618.0/4

Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

Left: 260.596+/-0.031 χ^2/NDF : 1317830.8/47

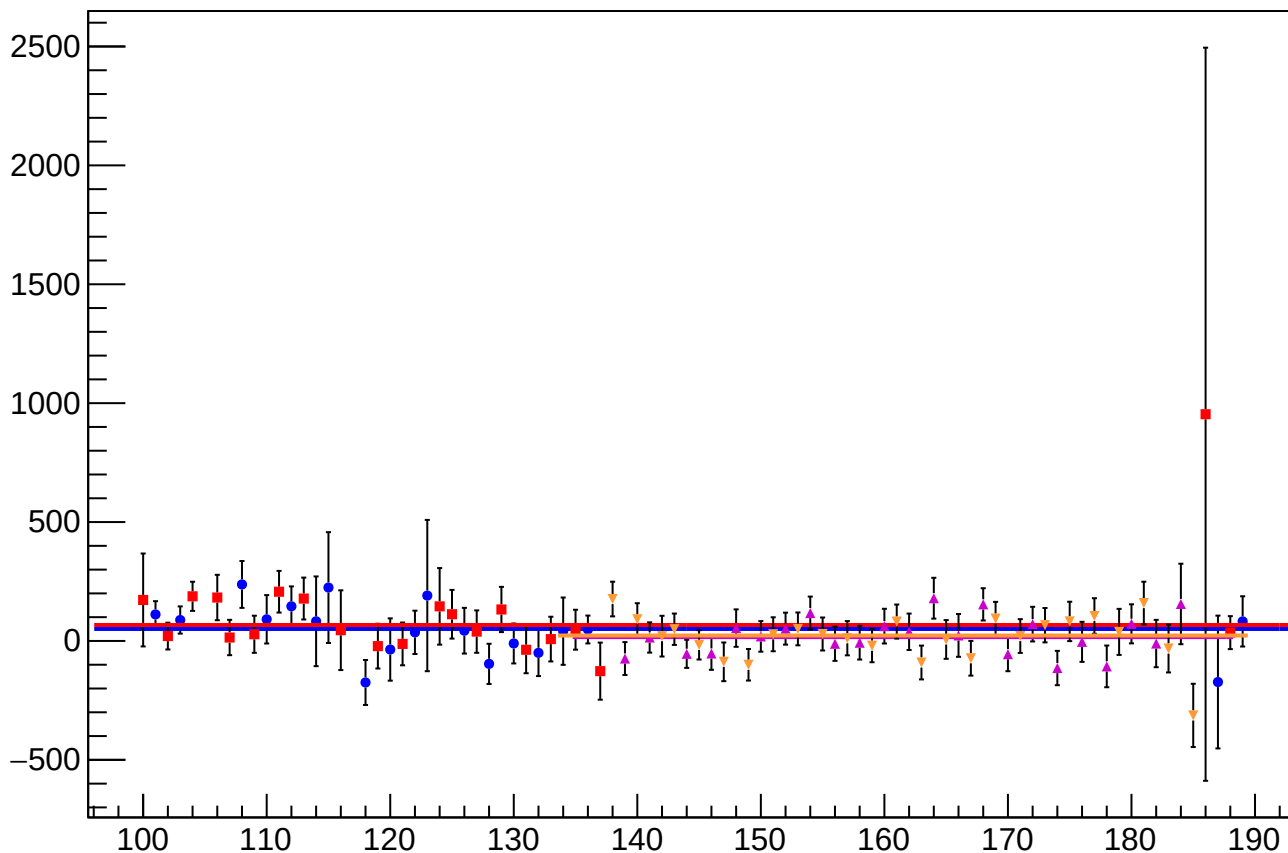
Right: 379.531+/-0.245 χ^2/NDF : 2010336.0/10

In: 263.132+/-0.044 χ^2/NDF : 1373140.5/28

Out: 261.861+/-0.043 χ^2/NDF : 2185606.9/29

All: 262.473+/-0.031 χ^2/NDF : 3559171.4/58

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 50.461 $\pm$ 21.053 χ^2 /NDF: 18.9/18

Left Out: 22.871 $\pm$ 14.968 χ^2 /NDF:29.0/24

Right Out: 67.097 $\pm$ 19.611 χ^2 /NDF: 18.6/20

Left In: 16.198 $\pm$ 15.531 χ^2 /NDF:23.3/22

Left: 19.658 $\pm$ 10.777 χ^2 /NDF: 52.4/47

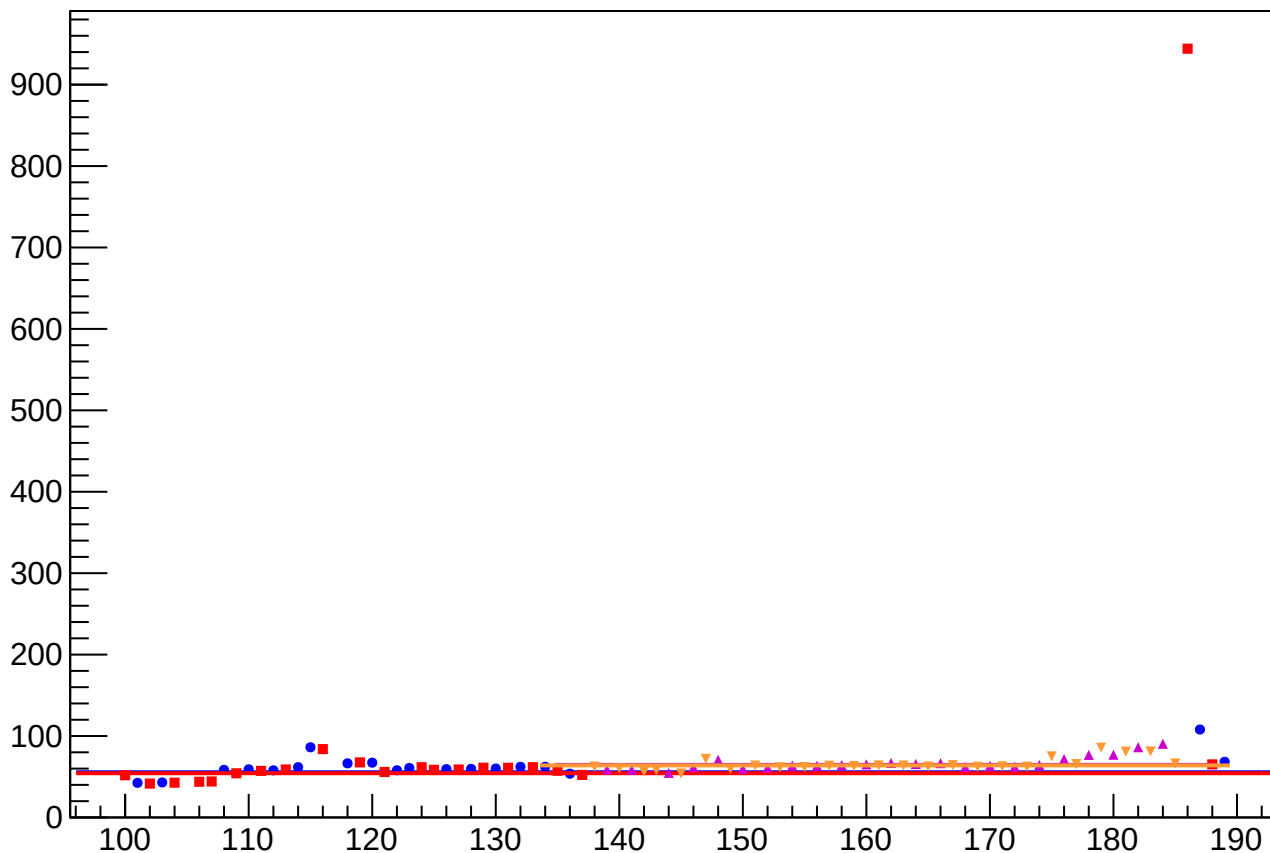
Right: 59.368 $\pm$ 14.350 χ^2 /NDF: 37.9/39

In: 28.273 $\pm$ 12.498 χ^2 /NDF:44.0/41

Out: 39.150 $\pm$ 11.898 χ^2 /NDF:50.8/45

All: 33.979 $\pm$ 8.618 χ^2 /NDF: 95.2/87

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left: 64.204 $\pm$ 0.008 χ^2 /NDF: 767426.6/47

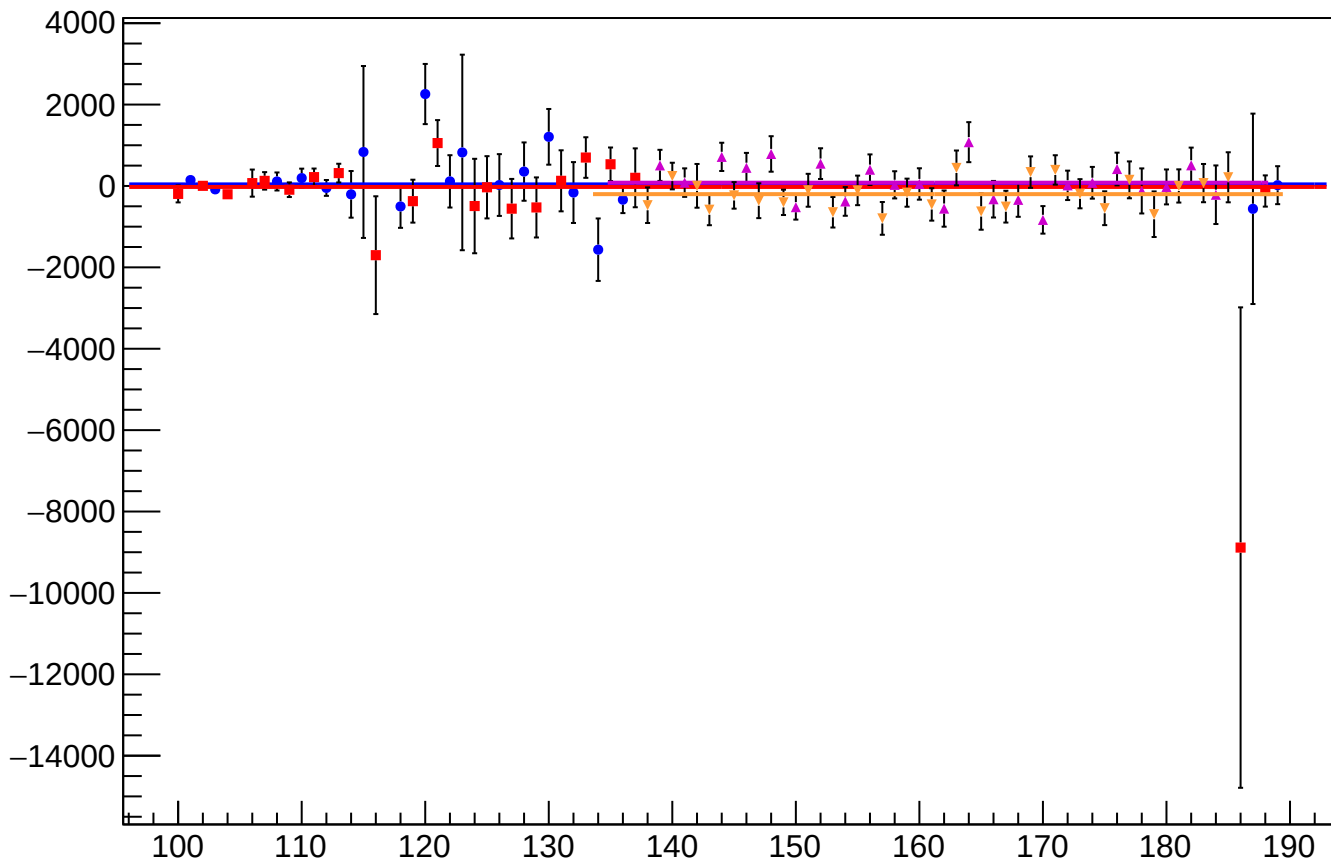
Right: 54.863 $\pm$ 0.010 χ^2 /NDF: 1534927.8/39

In: 61.331 $\pm$ 0.009 χ^2 /NDF: 1030857.2/41

Out: 60.386 $\pm$ 0.008 χ^2 /NDF: 1807429.6/45

All: 60.835 $\pm$ 0.006 χ^2 /NDF: 2844282.4/87

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



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

Left: -64.438 ± 57.022 χ^2/NDF : 59.1/47

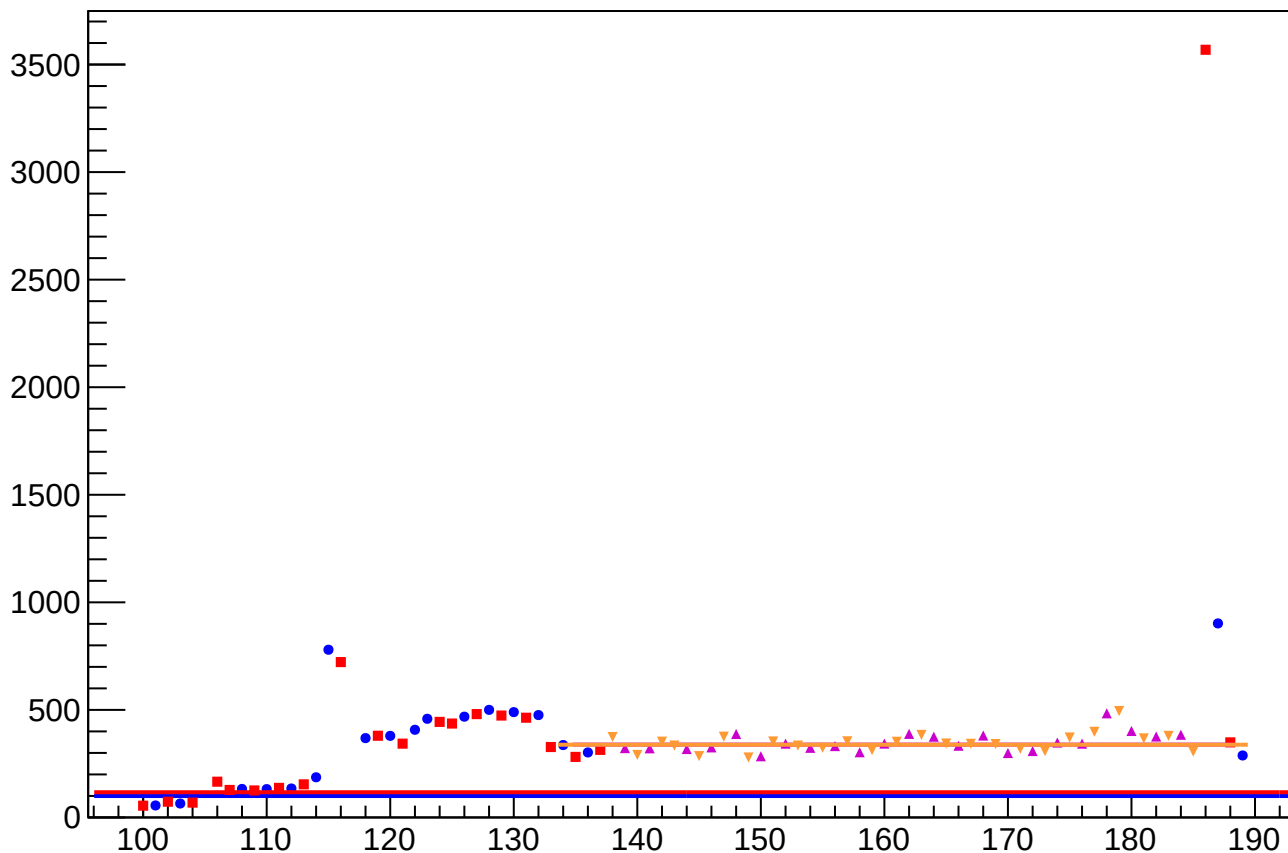
Right: 8.140 ± 36.763 χ^2/NDF : 45.7/39

In: 50.186 ± 43.419 χ^2/NDF : 57.5/41

Out: -78.172 ± 43.980 χ^2/NDF : 44.2/45

All: -13.170 ± 30.898 χ^2/NDF : 106.0/87

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



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

Left: 338.341+/-0.040 χ^2/NDF : 935873.7/47

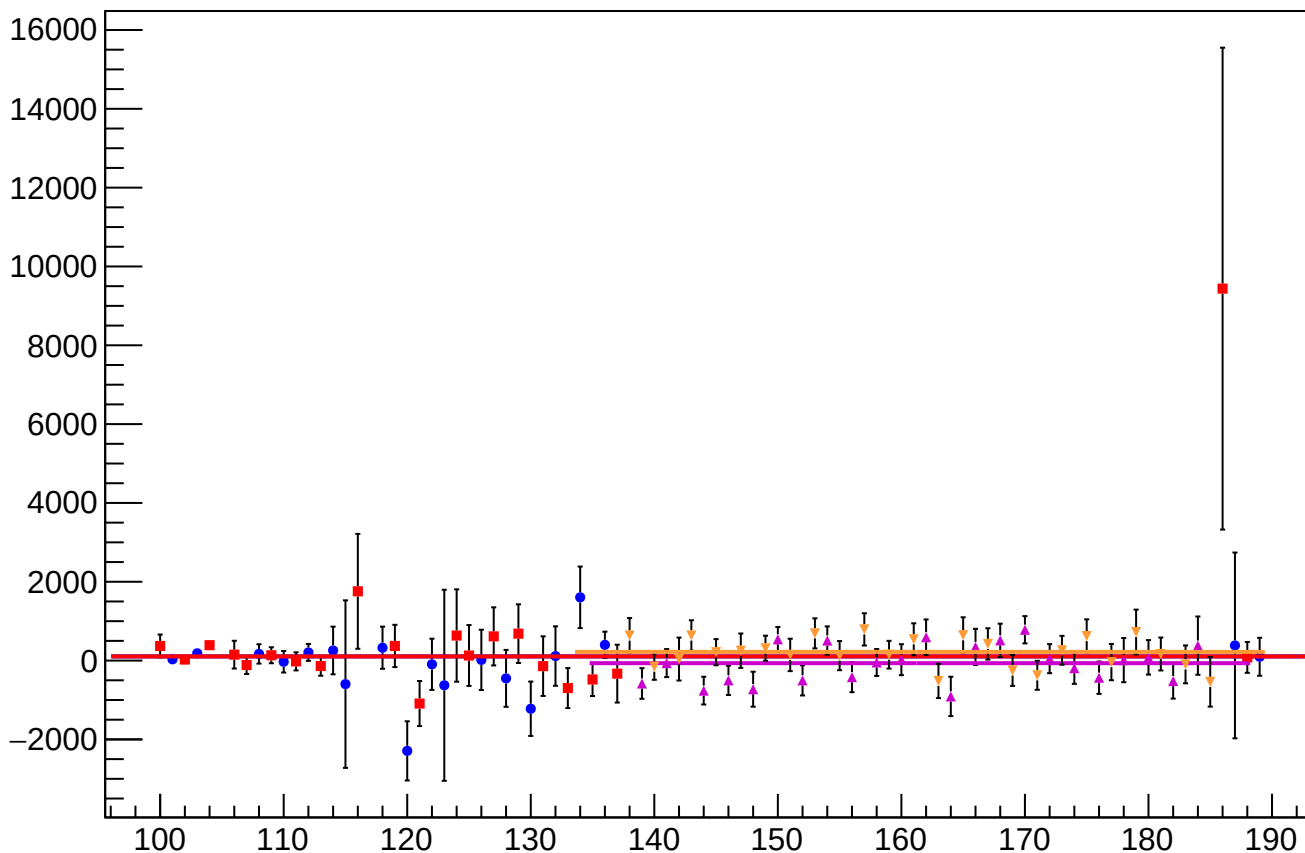
Right: 108.169+/-0.026 χ^2/NDF : 12928246.5/39

In: 166.953+/-0.031 χ^2/NDF : 19068623.5/41

Out: 184.778+/-0.031 χ^2/NDF : 17648094.7/45

All: 175.751+/-0.022 χ^2/NDF : 36883088.4/87

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 105.708+/-62.628 χ^2/NDF : 21.0/18

Left Out: 221.083+/-81.018 χ^2/NDF : 19.7/24

Right Out: 106.058+/-60.152 χ^2/NDF : 23.6/20

Left In: -65.510+/-83.319 χ^2/NDF : 34.0/22

Left: 81.798+/-58.085 χ^2/NDF : 59.7/47

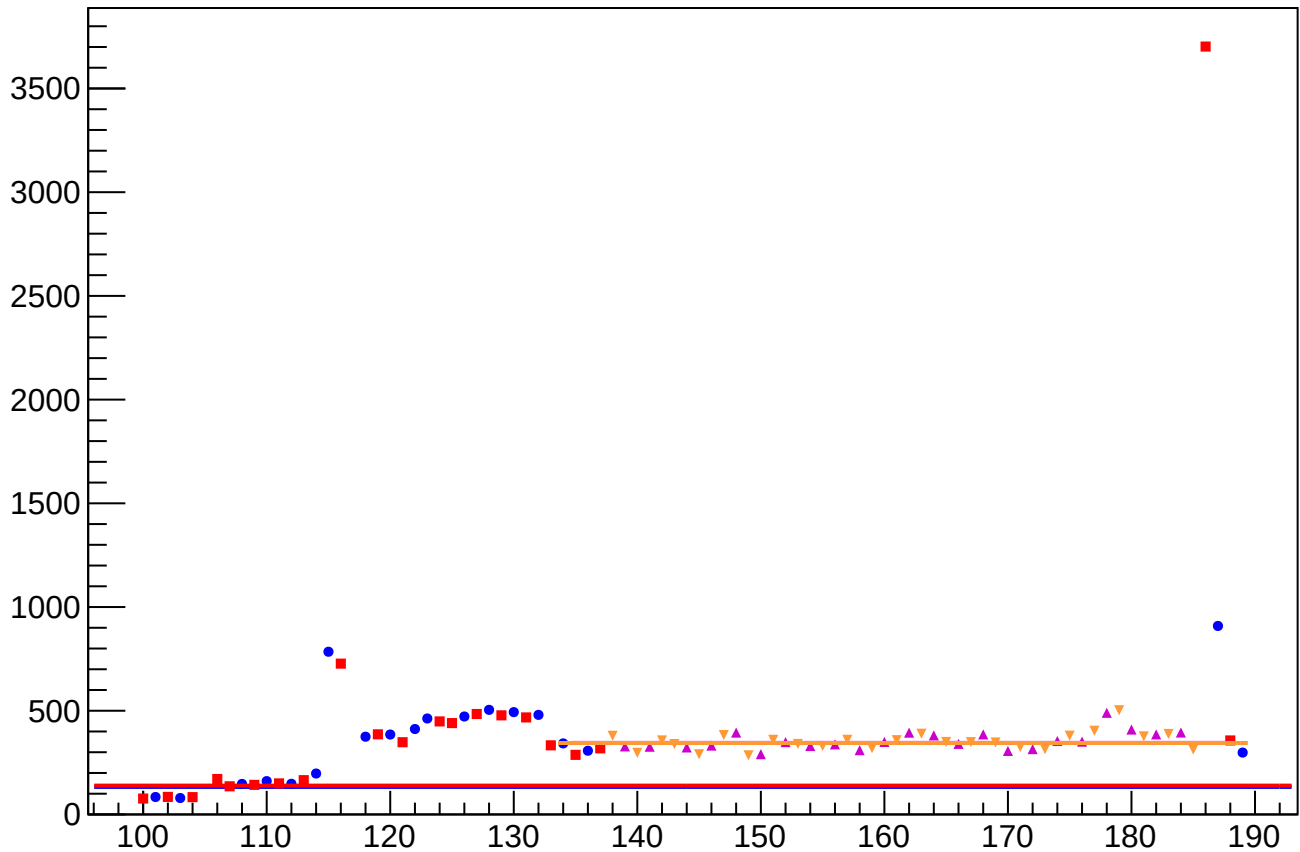
Right: 105.890+/-43.383 χ^2/NDF : 44.6/39

In: 43.894+/-50.062 χ^2/NDF : 57.7/41

Out: 146.932+/-48.296 χ^2/NDF : 44.6/45

All: 97.263+/-34.758 χ^2/NDF : 104.4/87

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left: 344.765 $\pm$ 0.041 χ^2 /NDF: 915746.8/47

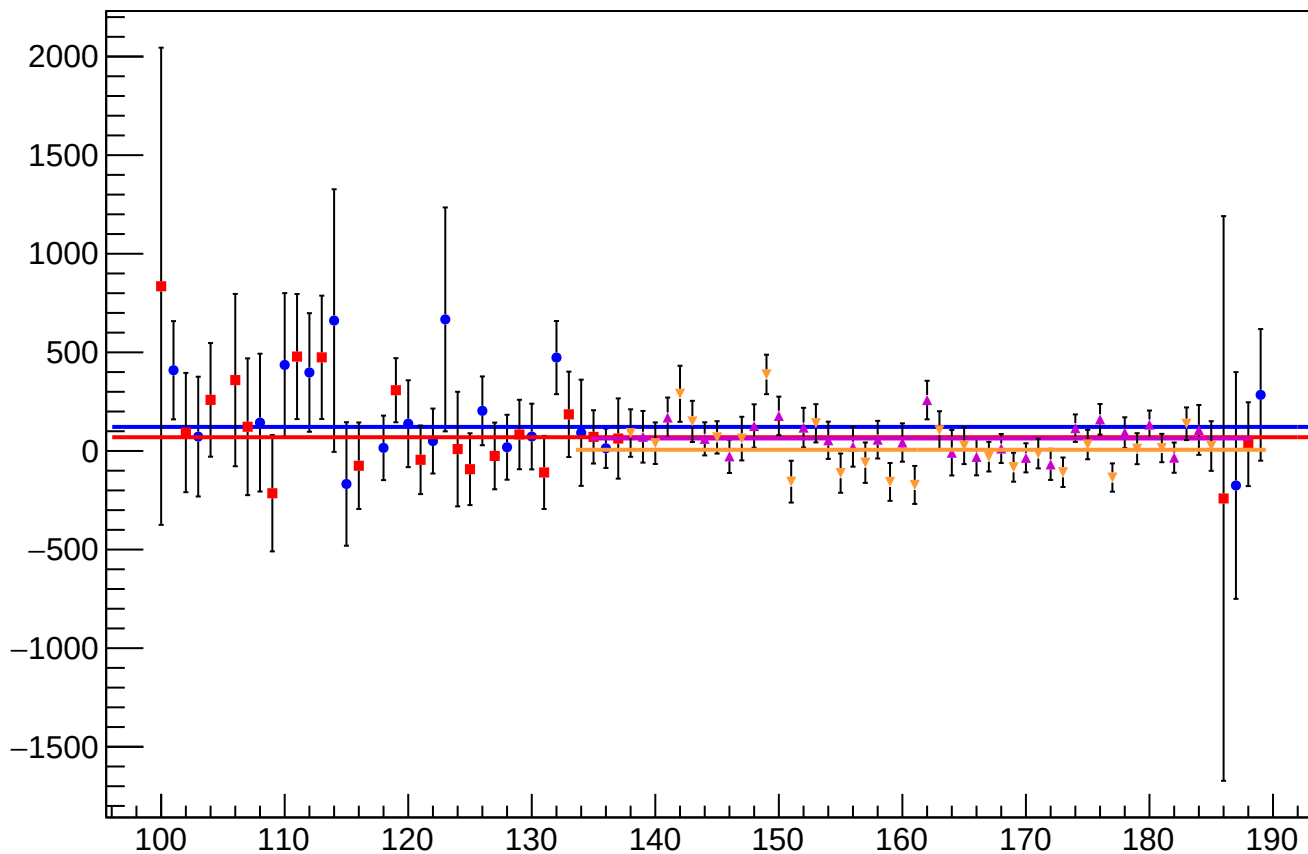
Right: 136.043 $\pm$ 0.031 χ^2 /NDF: 10891935.5/39

In: 209.412 $\pm$ 0.035 χ^2 /NDF: 13938514.0/41

Out: 212.059 $\pm$ 0.034 χ^2 /NDF: 14443755.9/45

All: 210.783 $\pm$ 0.025 χ^2 /NDF: 28385165.6/87

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 121.952 $\pm$ 48.501 χ^2 /NDF: 12.0/18

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF:46.0/24

Right Out: 69.691 $\pm$ 48.690 χ^2 /NDF: 11.0/20

Left In: 63.279 $\pm$ 18.447 χ^2 /NDF:19.8/22

Left: 33.804 $\pm$ 12.850 χ^2 /NDF: 70.8/47

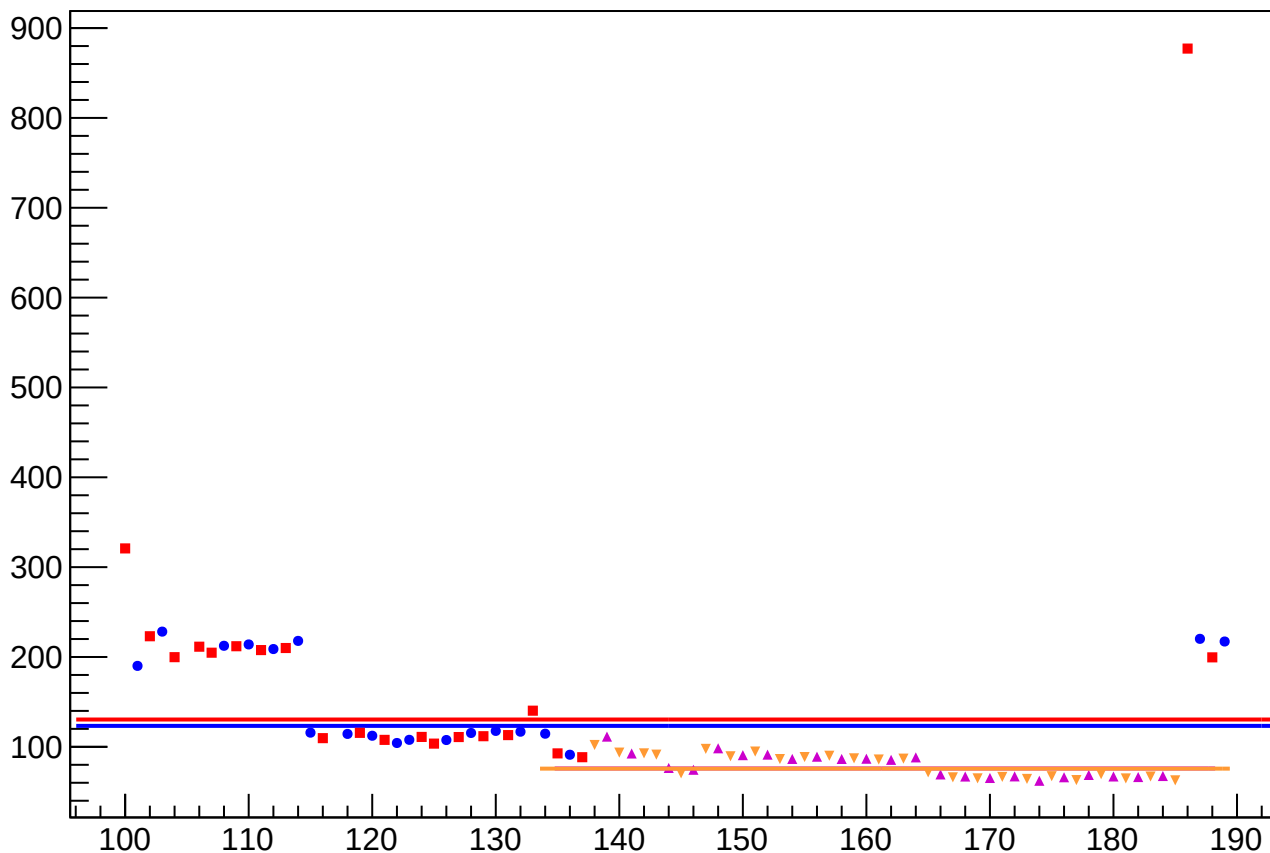
Right: 95.923 $\pm$ 34.362 χ^2 /NDF: 23.6/39

In: 70.694 $\pm$ 17.242 χ^2 /NDF:33.1/41

Out: 13.608 $\pm$ 16.809 χ^2 /NDF:58.6/45

All: 41.425 $\pm$ 12.036 χ^2 /NDF: 97.3/87

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left: 75.824+/-0.009 χ^2/NDF : 1769272.3/47

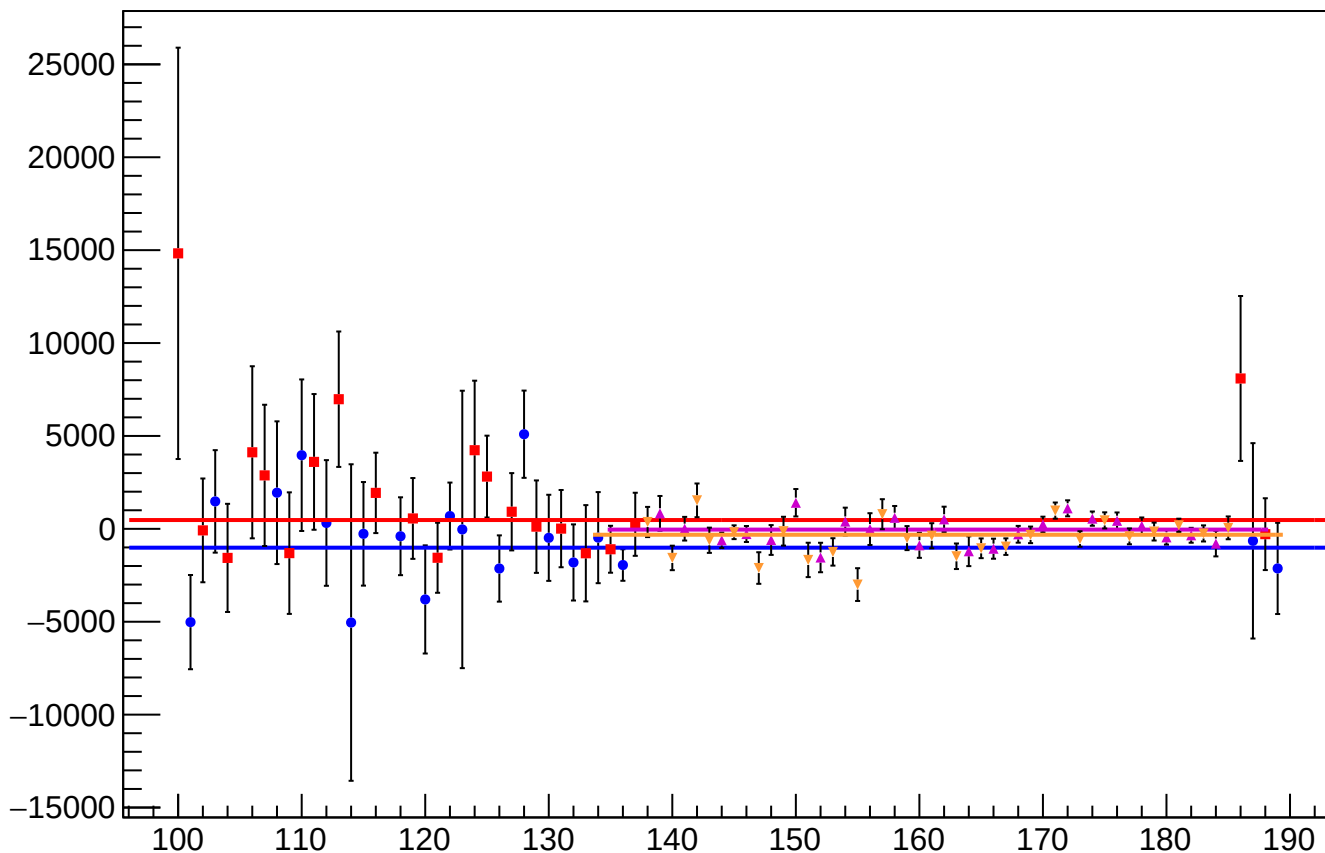
Right: 126.857+/-0.024 χ^2/NDF : 3453635.2/39

In: 81.902+/-0.012 χ^2/NDF : 3830306.7/41

Out: 82.258+/-0.012 χ^2/NDF : 5262355.7/45

All: 82.085+/-0.009 χ^2/NDF : 9093100.3/87

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -1013.987 $\pm$ 500.257 χ^2 /NDF: 16.6/18

Left Out: -318.064 $\pm$ 108.014 χ^2 /NDF:50.0/24

Right Out: 473.856 $\pm$ 522.476 χ^2 /NDF: 16.5/20

Left In: -40.473 $\pm$ 110.252 χ^2 /NDF:34.7/22

Left: -182.115 $\pm$ 77.156 χ^2 /NDF: 88.0/47

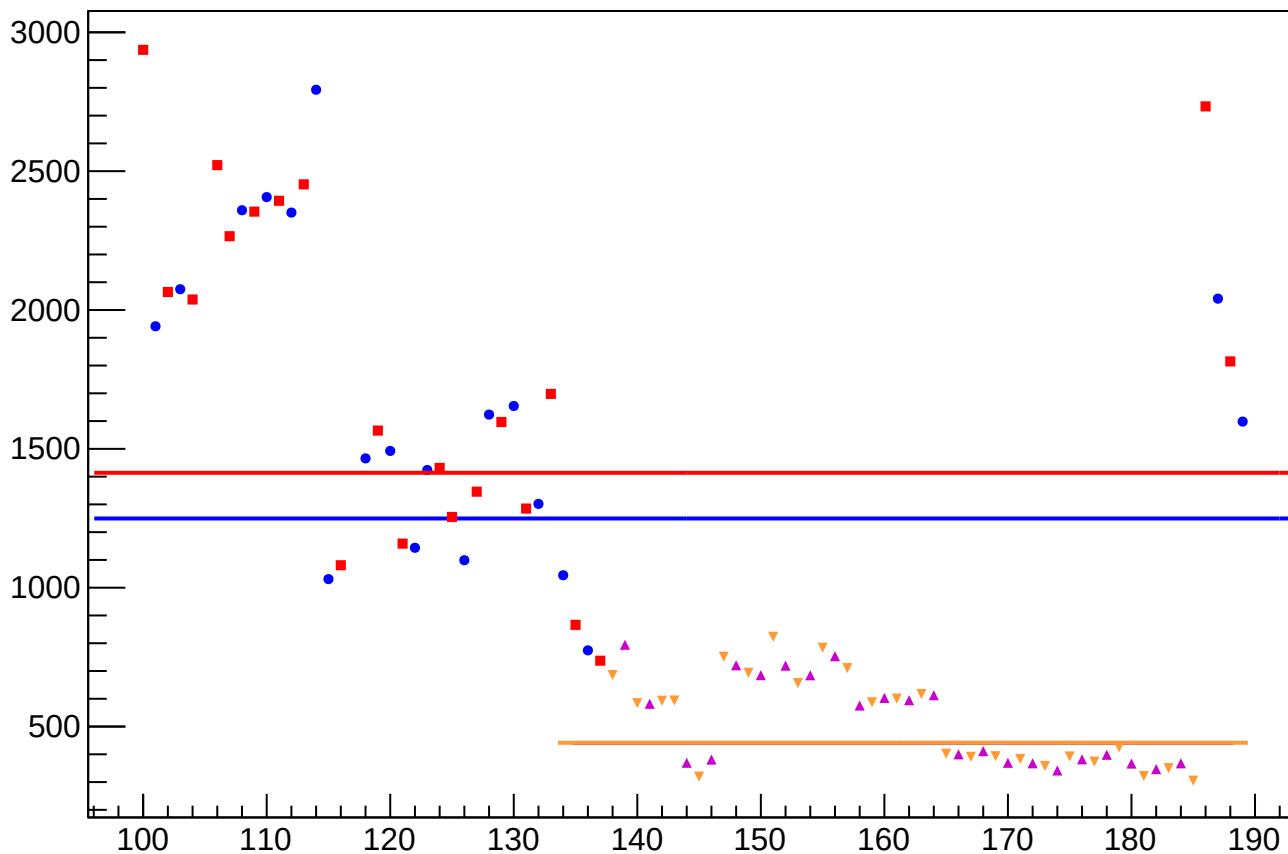
Right: -302.374 $\pm$ 361.335 χ^2 /NDF: 37.3/39

In: -85.568 $\pm$ 107.668 χ^2 /NDF:54.9/41

Out: -285.606 $\pm$ 105.777 χ^2 /NDF:68.7/45

All: -187.360 $\pm$ 75.455 χ^2 /NDF: 125.4/87

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1249.228+/-0.354 χ^2/NDF : 1844112.4/18

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

Right Out: 1413.824+/-0.369 χ^2/NDF : 2030632.0/20

Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

Left: 441.354+/-0.055 χ^2/NDF : 5766197.3/47

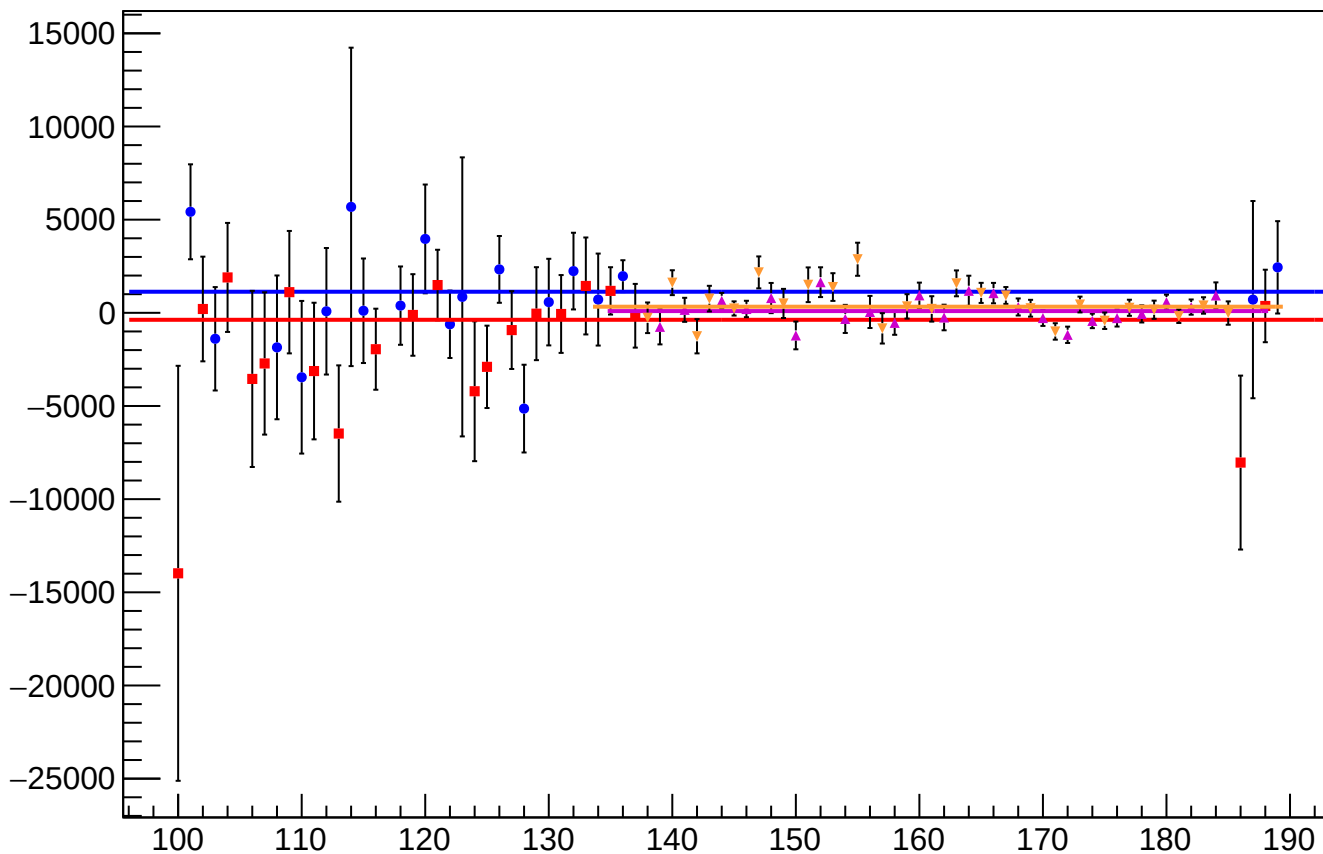
Right: 1327.952+/-0.256 χ^2/NDF : 3978299.0/39

In: 478.447+/-0.076 χ^2/NDF : 9419698.3/41

Out: 481.530+/-0.075 χ^2/NDF : 11839940.1/45

All: 480.016+/-0.053 χ^2/NDF : 21260472.6/87

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1131.704 $\pm$ 503.200 χ^2 /NDF: 17.2/18

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: -374.064 $\pm$ 525.558 χ^2 /NDF: 15.3/20

Left In: 93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

Left: 213.387 $\pm$ 78.345 χ^2 /NDF: 83.3/47

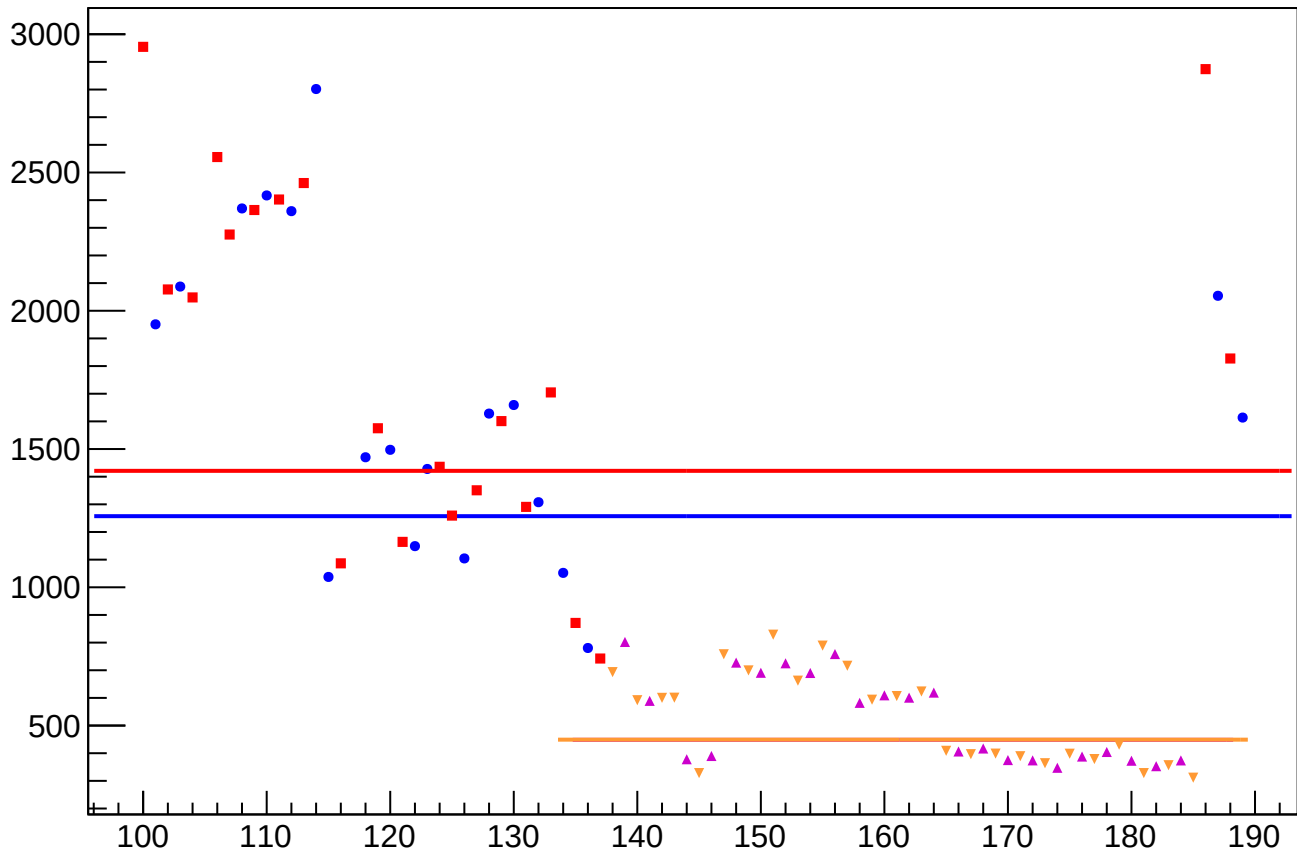
Right: 411.529 $\pm$ 363.463 χ^2 /NDF: 36.8/39

In: 142.291 $\pm$ 109.287 χ^2 /NDF: 54.6/41

Out: 299.279 $\pm$ 107.356 χ^2 /NDF: 64.8/45

All: 222.184 $\pm$ 76.586 χ^2 /NDF: 120.4/87

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left: 448.669 $\pm$ 0.055 χ^2 /NDF: 5627893.2/47

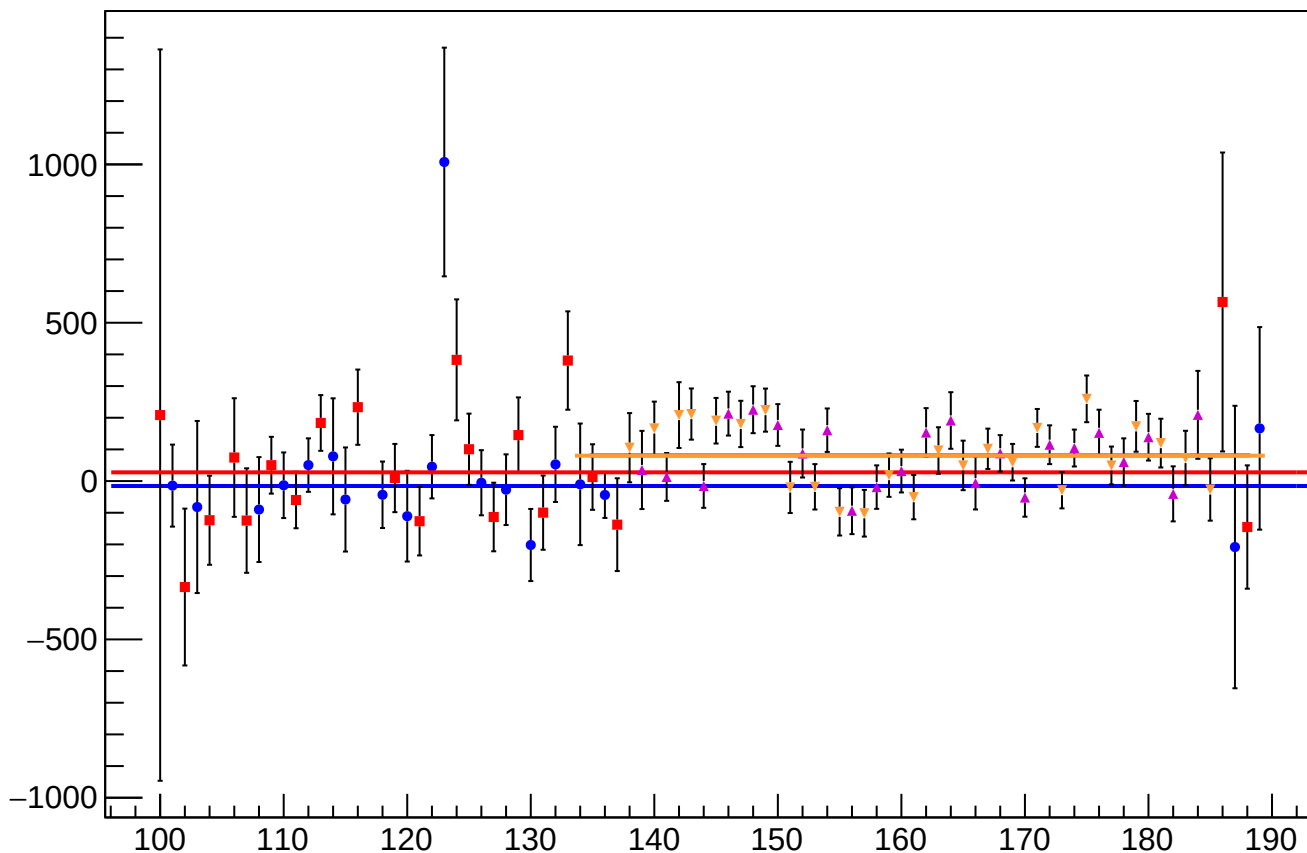
Right: 1335.596 $\pm$ 0.257 χ^2 /NDF: 3978493.2/39

In: 486.462 $\pm$ 0.077 χ^2 /NDF: 9294392.2/41

Out: 489.579 $\pm$ 0.076 χ^2 /NDF: 11691680.2/45

All: 488.048 $\pm$ 0.054 χ^2 /NDF: 20986900.3/87

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left: 80.646 ± 10.495 χ^2/NDF : 83.8/47

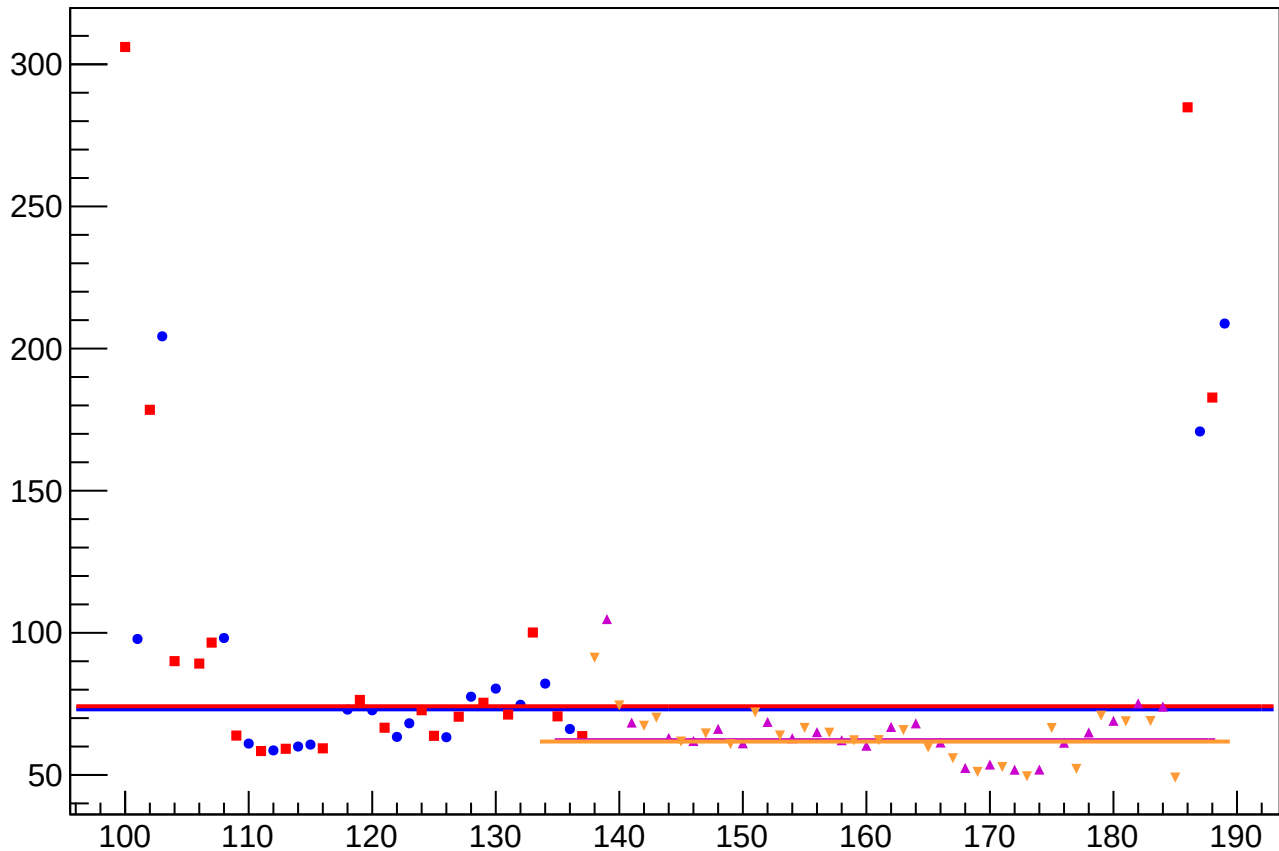
Right: 6.808 ± 19.946 χ^2/NDF : 44.7/39

In: 60.217 ± 13.370 χ^2/NDF : 58.0/41

Out: 68.760 ± 12.912 χ^2/NDF : 81.1/45

All: 64.637 ± 9.288 χ^2/NDF : 139.3/87

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 73.086 $\pm$ 0.020 χ^2 /NDF: 1220513.8/18

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 74.170 $\pm$ 0.020 χ^2 /NDF: 1808671.2/20

Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

Left: 61.997 $\pm$ 0.007 χ^2 /NDF: 1237703.8/47

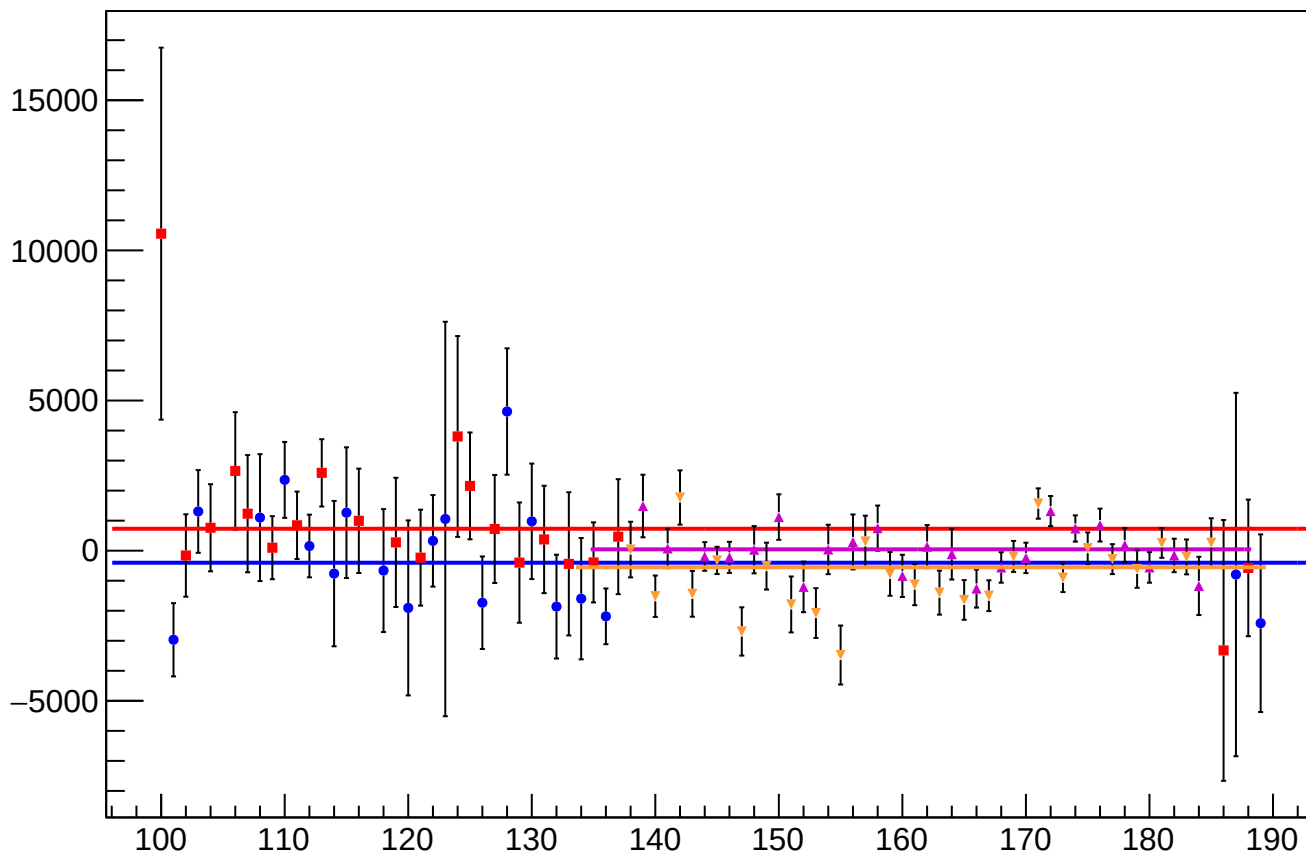
Right: 73.648 $\pm$ 0.014 χ^2 /NDF: 3030660.8/39

In: 64.597 $\pm$ 0.009 χ^2 /NDF: 2034511.0/41

Out: 64.454 $\pm$ 0.009 χ^2 /NDF: 2768136.7/45

All: 64.523 $\pm$ 0.007 χ^2 /NDF: 4802765.2/87

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



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

Left: -258.894 ± 90.527 χ^2/NDF : 105.7/47

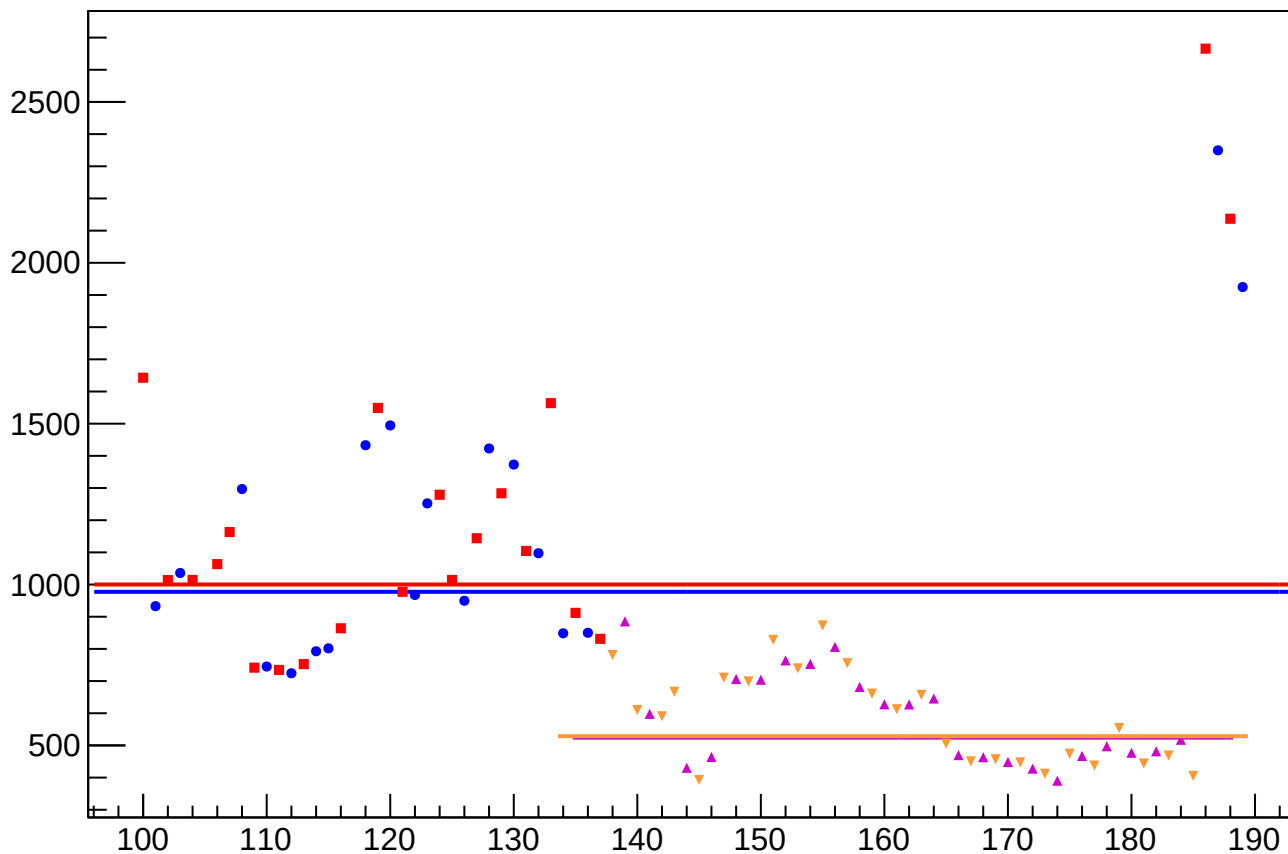
Right: 187.029 ± 262.714 χ^2/NDF : 41.1/39

In: -1.739 ± 122.202 χ^2/NDF : 55.7/41

Out: -413.597 ± 119.911 χ^2/NDF : 87.9/45

All: -211.566 ± 85.588 χ^2/NDF : 149.4/87

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



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

Left: 526.539+/-0.064 χ^2/NDF : 3701172.5/47

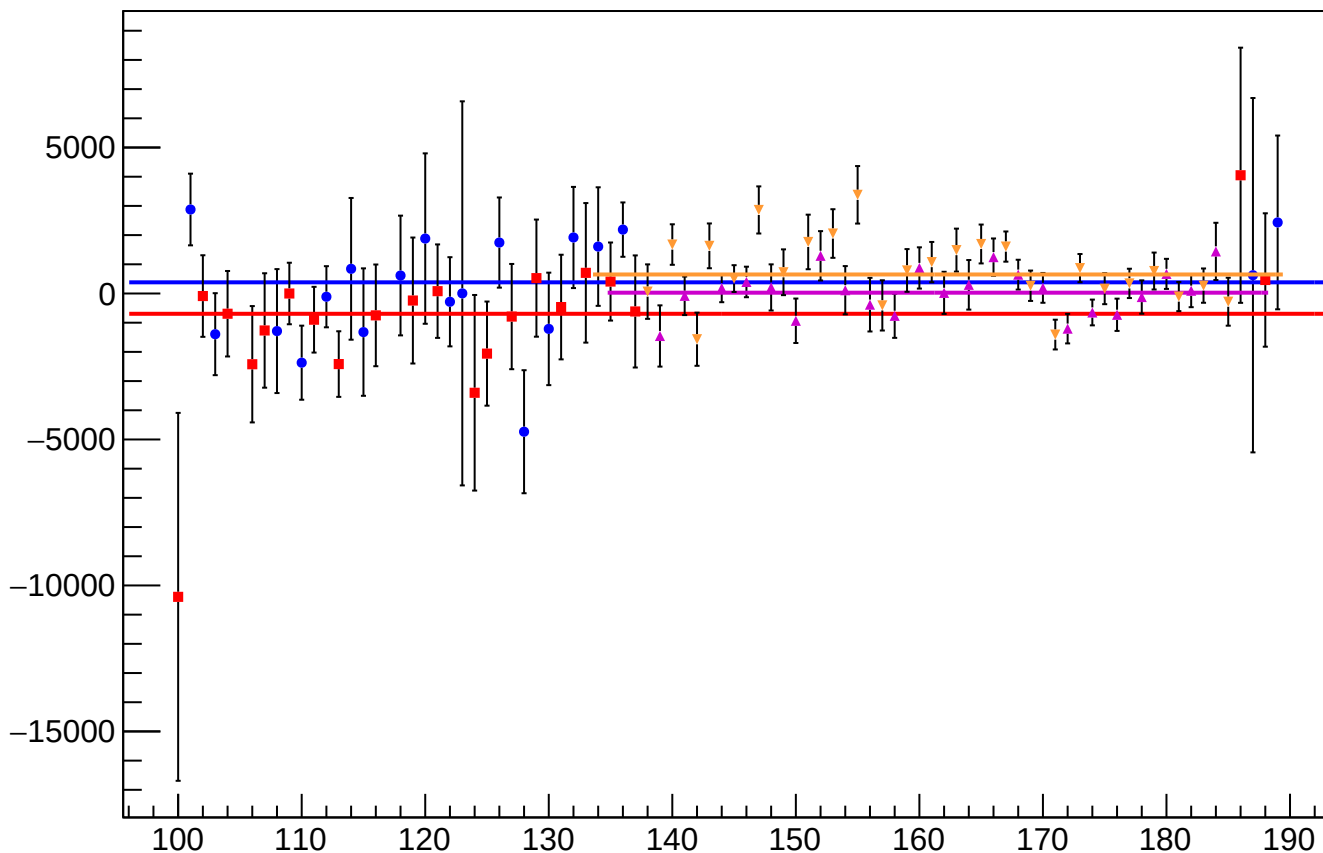
Right: 989.281+/-0.186 χ^2/NDF : 2484760.1/39

In: 571.365+/-0.086 χ^2/NDF :5243464.5/41

Out: 579.781+/-0.085 χ^2/NDF :6484052.8/45

All: 575.652+/-0.061 χ^2/NDF : 11732349.5/87

asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left: 344.758+/-91.238 χ^2/NDF : 101.2/47

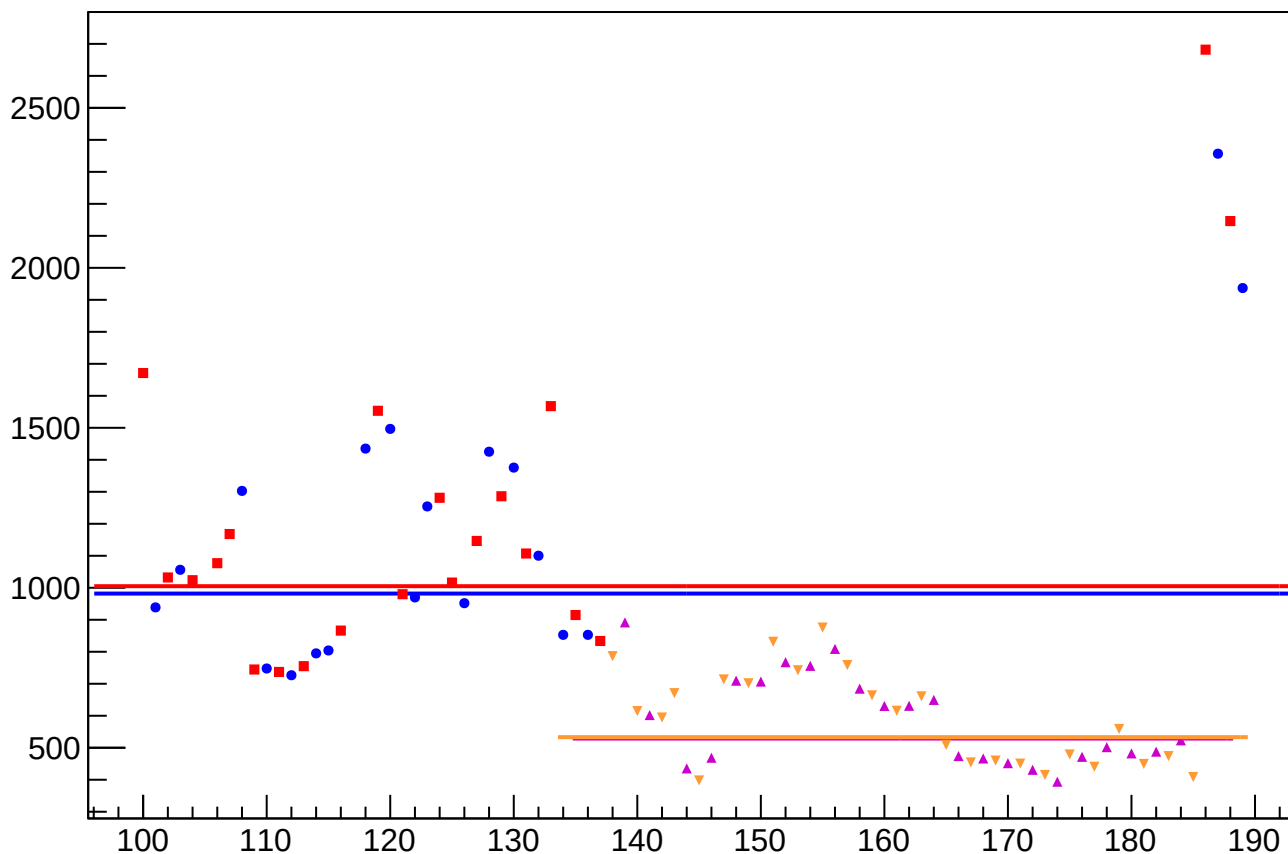
Right: -177.316+/-263.978 χ^2/NDF : 39.9/39

In: 64.598+/-123.135 χ^2/NDF : 54.4/41

Out: 505.067+/-120.801 χ^2/NDF : 83.7/45

All: 289.047+/-86.233 χ^2/NDF : 144.6/87

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left: 530.914 $\pm$ 0.065 χ^2 /NDF: 3641192.3/47

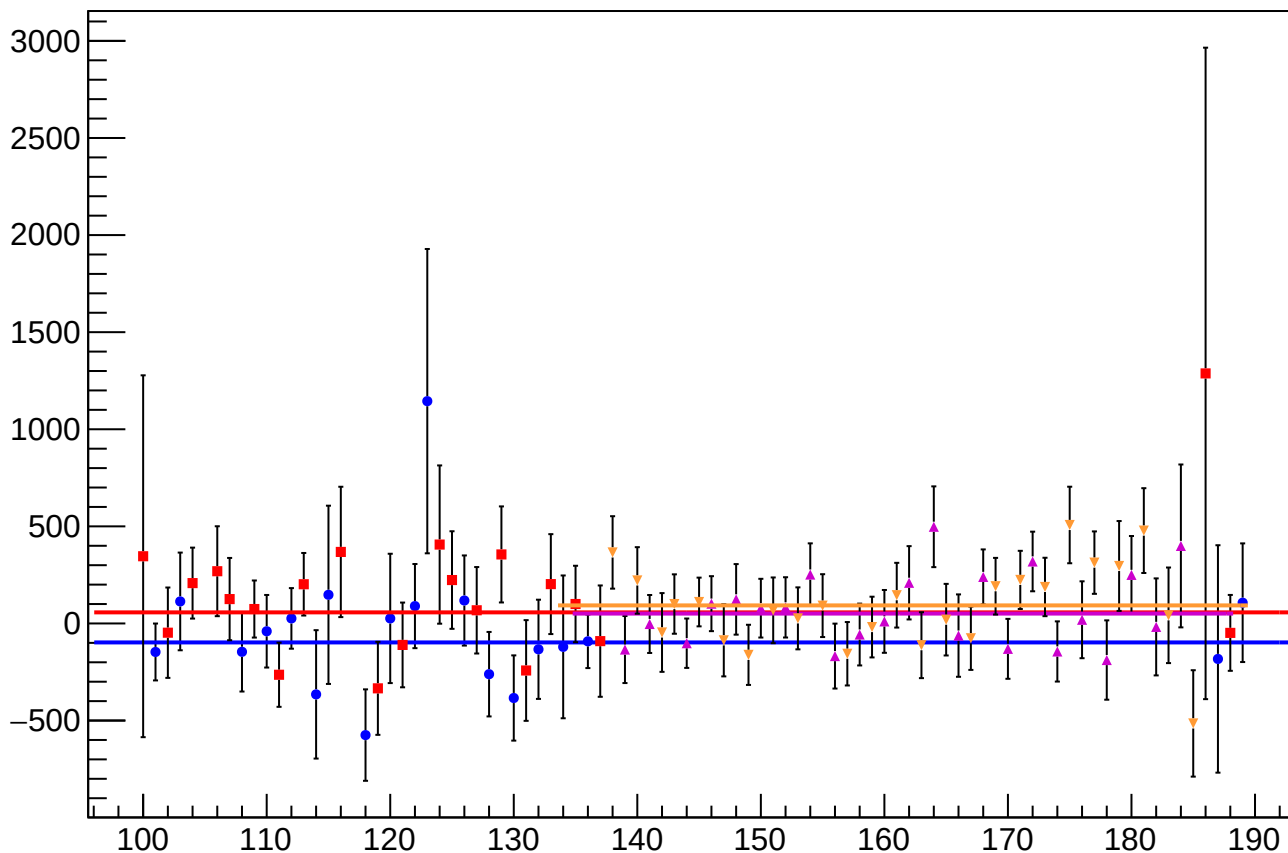
Right: 993.859 $\pm$ 0.187 χ^2 /NDF: 2488269.3/39

In: 576.083 $\pm$ 0.087 χ^2 /NDF:5191638.9/41

Out: 584.389 $\pm$ 0.085 χ^2 /NDF:6427889.2/45

All: 580.315 $\pm$ 0.061 χ^2 /NDF: 11624165.2/87

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left: 72.689 ± 24.502 χ^2/NDF : 53.6/47

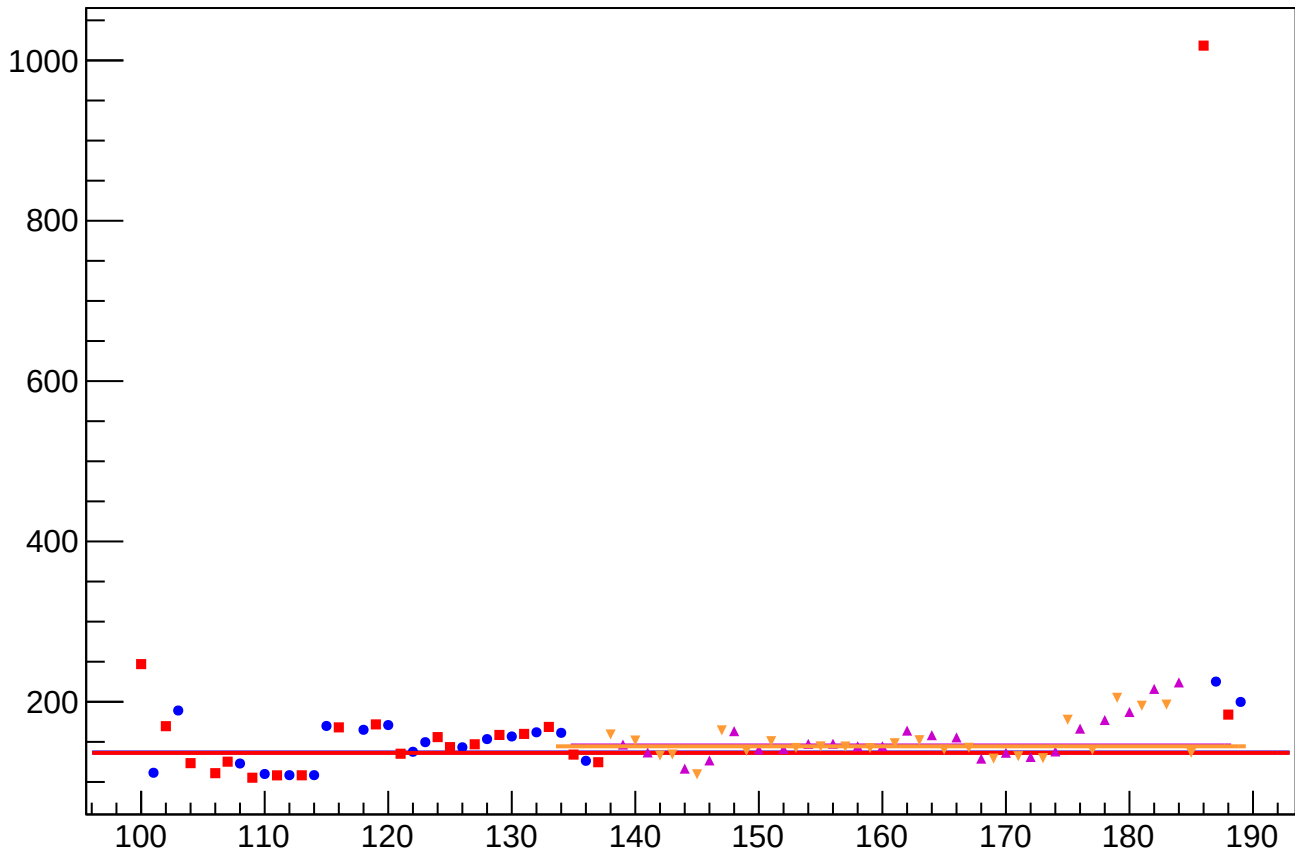
Right: -16.094 ± 35.771 χ^2/NDF : 34.4/39

In: 4.093 ± 29.201 χ^2/NDF : 42.7/41

Out: 81.368 ± 28.011 χ^2/NDF : 45.9/45

All: 44.337 ± 20.214 χ^2/NDF : 92.2/87

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left: 144.986 $\pm$ 0.017 χ^2 /NDF: 1314951.6/47

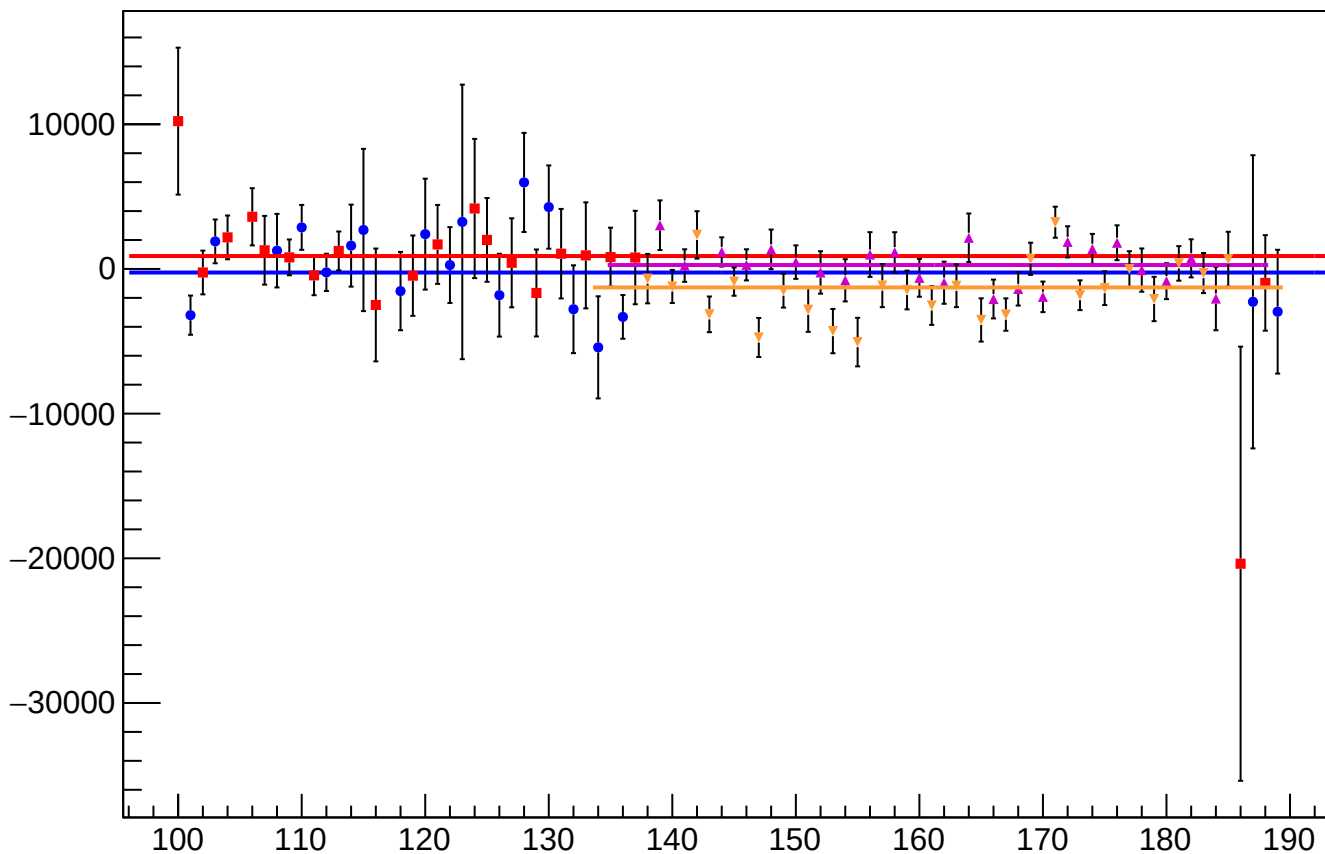
Right: 136.508 $\pm$ 0.025 χ^2 /NDF: 1667089.1/39

In: 142.767 $\pm$ 0.021 χ^2 /NDF: 1220889.4/41

Out: 141.829 $\pm$ 0.020 χ^2 /NDF: 1836546.7/45

All: 142.279 $\pm$ 0.014 χ^2 /NDF: 3058511.0/87

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 24.3/22$

Left: -525.161 ± 185.759 $\chi^2/\text{NDF}: 97.6/47$

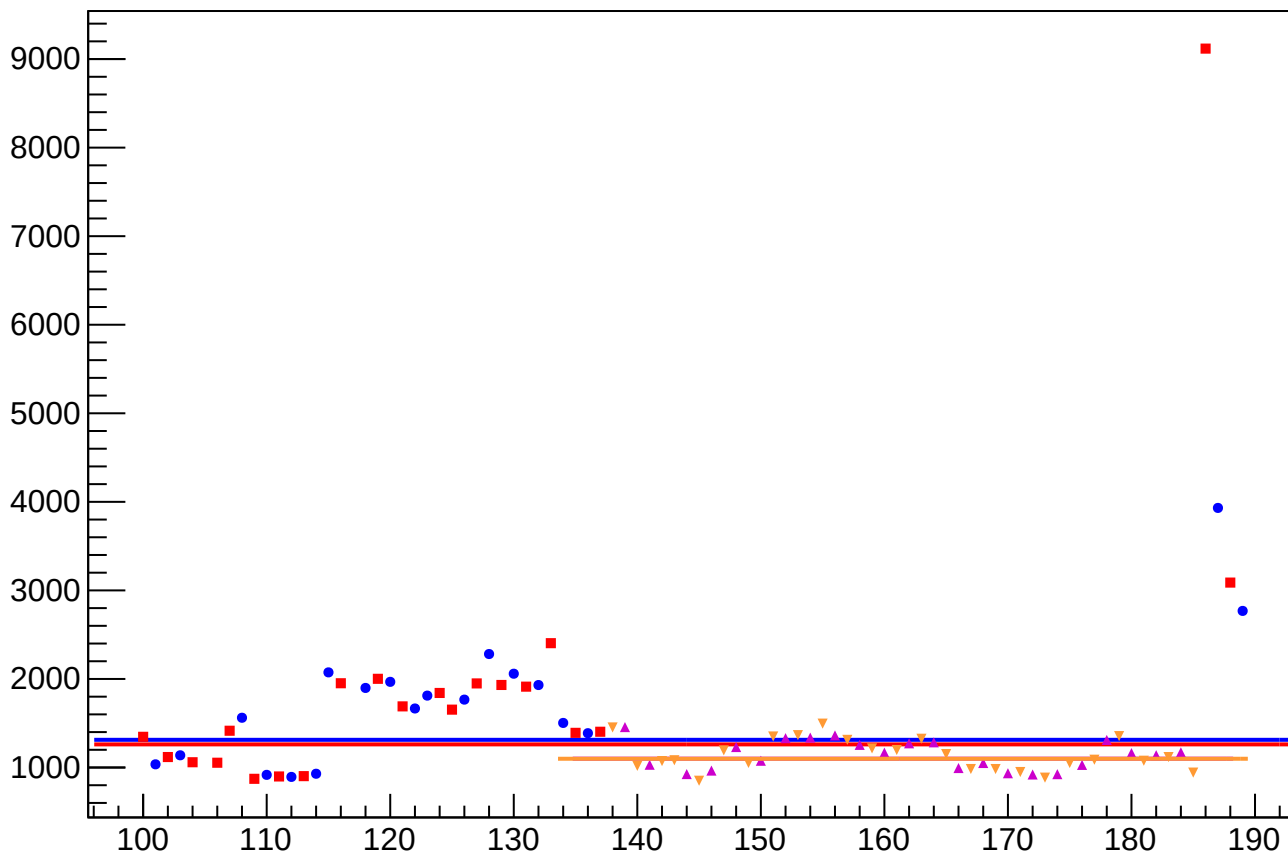
Right: 372.492 ± 351.319 $\chi^2/\text{NDF}: 41.2/39$

In: 162.491 ± 237.016 $\chi^2/\text{NDF}: 51.3/41$

Out: -782.828 ± 227.738 $\chi^2/\text{NDF}: 84.3/45$

All: -329.033 ± 164.217 $\chi^2/\text{NDF}: 143.9/87$

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1312.812 $\pm$ 0.368 χ^2 /NDF: 1542768.9/18

Left Out: 1098.909 $\pm$ 0.183 χ^2 /NDF: 824328.7/24

Right Out: 1261.115 $\pm$ 0.337 χ^2 /NDF: 2540609.0/20

Left In: 1099.585 $\pm$ 0.188 χ^2 /NDF: 679896.1/22

Left: 1099.238 $\pm$ 0.131 χ^2 /NDF: 1504231.4/47

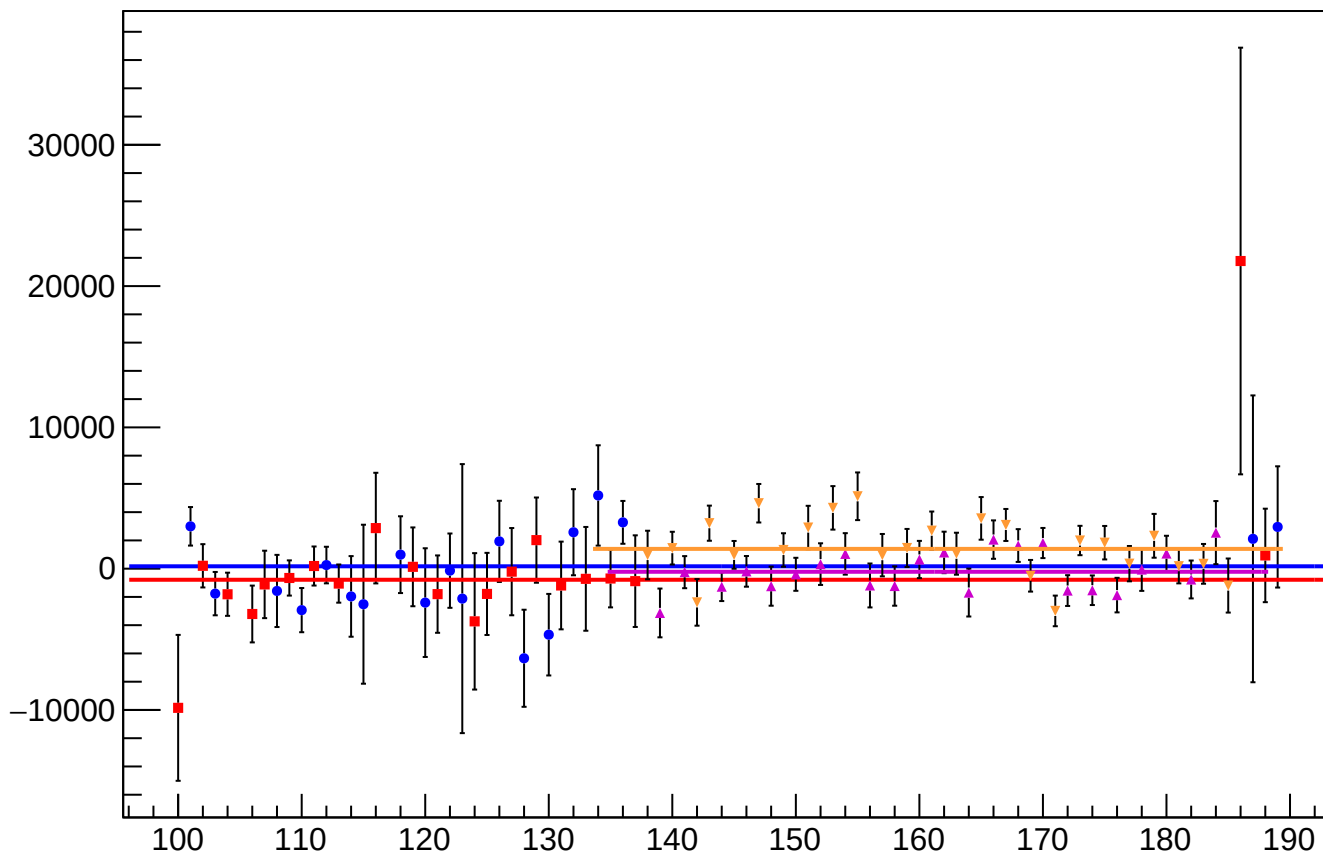
Right: 1284.686 $\pm$ 0.248 χ^2 /NDF: 4094120.5/39

In: 1143.833 $\pm$ 0.168 χ^2 /NDF: 2488862.8/41

Out: 1135.993 $\pm$ 0.161 χ^2 /NDF: 3543867.2/45

All: 1139.757 $\pm$ 0.116 χ^2 /NDF: 6033867.9/87

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 167.730 $\pm$ 523.647 χ^2 /NDF: 25.8/18

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF:52.2/24

Right Out: -784.706 $\pm$ 479.885 χ^2 /NDF: 11.0/20

Left In: -219.393 $\pm$ 268.852 χ^2 /NDF:25.0/22

Left: 612.044 $\pm$ 187.566 χ^2 /NDF: 95.9/47

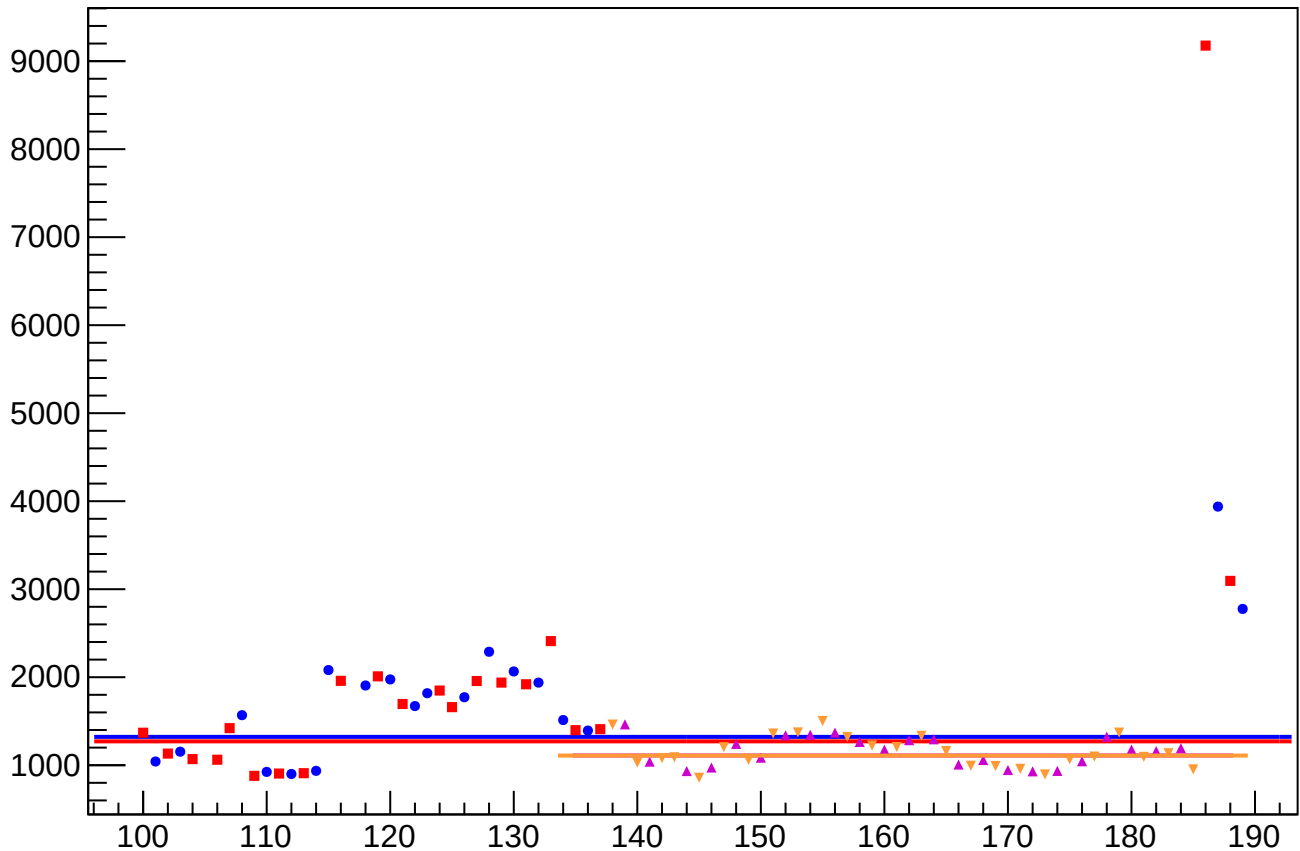
Right: -349.943 $\pm$ 353.791 χ^2 /NDF: 38.6/39

In: -138.634 $\pm$ 239.171 χ^2 /NDF:51.2/41

Out: 899.258 $\pm$ 229.827 χ^2 /NDF:79.2/45

All: 400.982 $\pm$ 165.717 χ^2 /NDF: 140.2/87

asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left: 1110.141+/-0.133 χ^2/NDF : 1482112.5/47

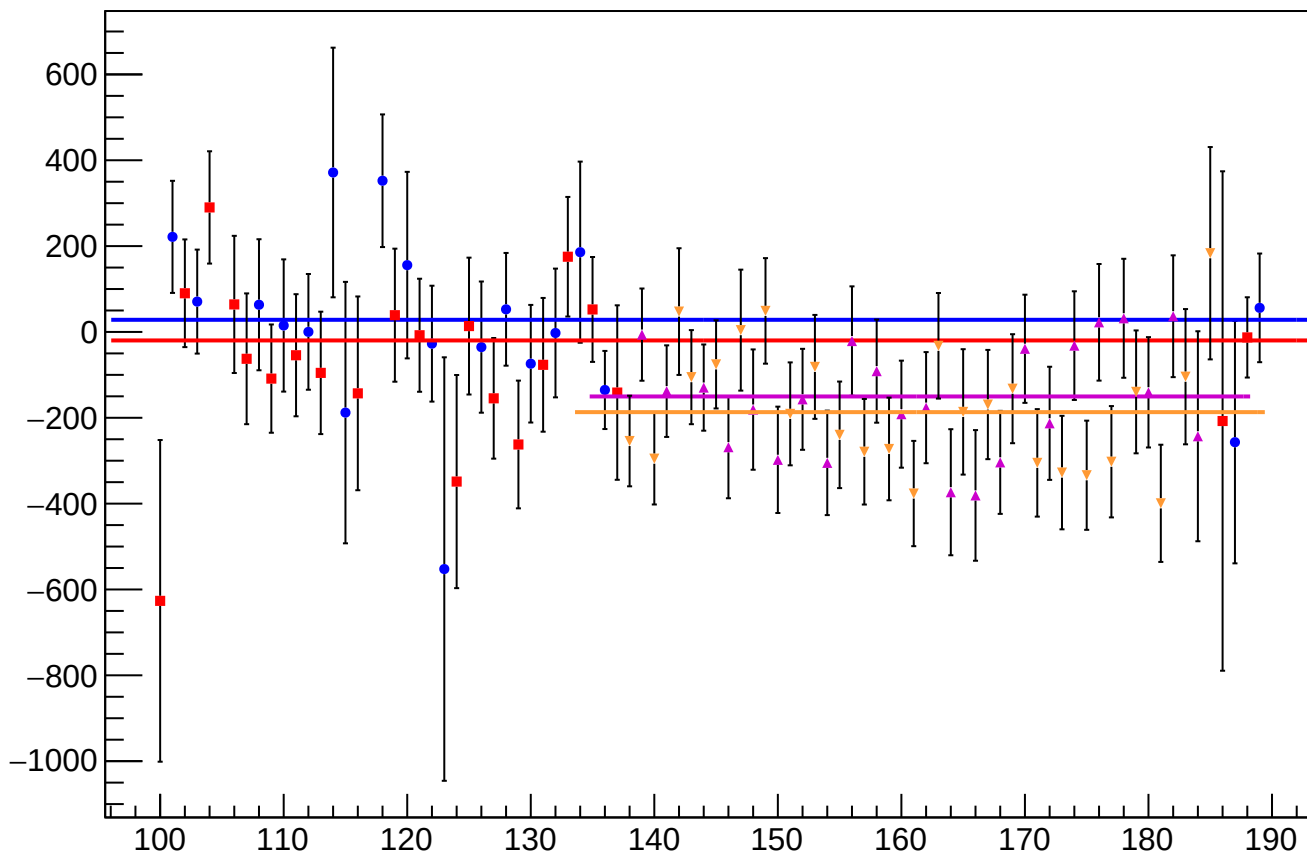
Right: 1294.392+/-0.250 χ^2/NDF : 4058255.7/39

In: 1154.681+/-0.169 χ^2/NDF : 2455766.8/41

Out: 1146.767+/-0.163 χ^2/NDF : 3506895.0/45

All: 1150.566+/-0.117 χ^2/NDF : 5963800.1/87

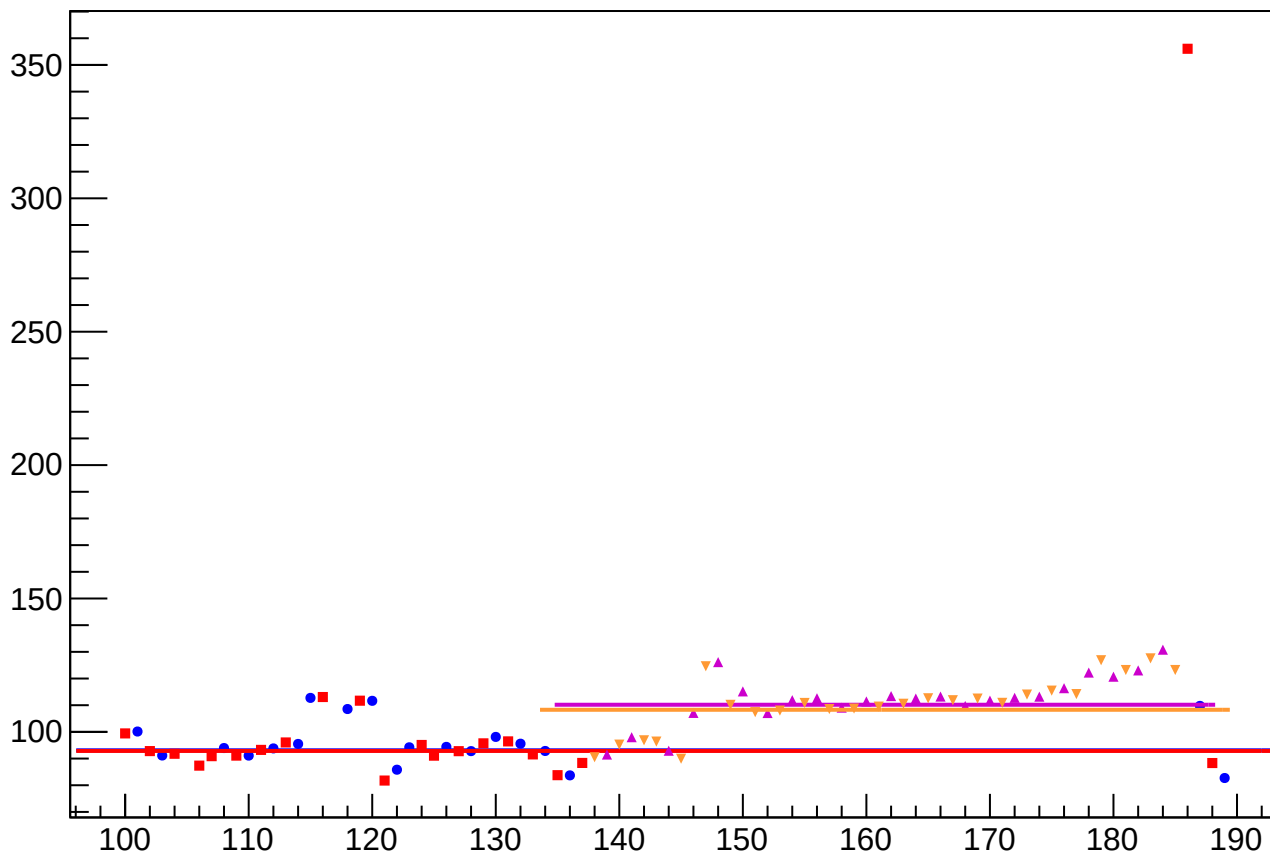
reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 28.294 ± 34.749 $\chi^2/\text{NDF}: 16.3/18$
 Left Out: -186.838 ± 25.308 $\chi^2/\text{NDF}: 26.6/24$
 Right Out: -19.802 ± 32.543 $\chi^2/\text{NDF}: 18.9/20$
 Left In: -150.315 ± 26.445 $\chi^2/\text{NDF}: 20.7/22$

Left: -169.379 ± 18.284 $\chi^2/\text{NDF}: 48.3/47$
 Right: 2.671 ± 23.753 $\chi^2/\text{NDF}: 36.2/39$
 In: -84.809 ± 21.044 $\chi^2/\text{NDF}: 53.7/41$
 Out: -123.888 ± 19.978 $\chi^2/\text{NDF}: 61.9/45$
 All: -105.364 ± 14.489 $\chi^2/\text{NDF}: 117.4/87$

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.088+/-0.025 χ^2 /NDF: 100789.6/18

Left Out: 108.287+/-0.018 χ^2 /NDF: 330693.5/24

Right Out: 92.858+/-0.023 χ^2 /NDF: 493046.9/20

Left In: 110.173+/-0.019 χ^2 /NDF: 246967.7/22

Left: 109.189+/-0.013 χ^2 /NDF: 582969.0/47

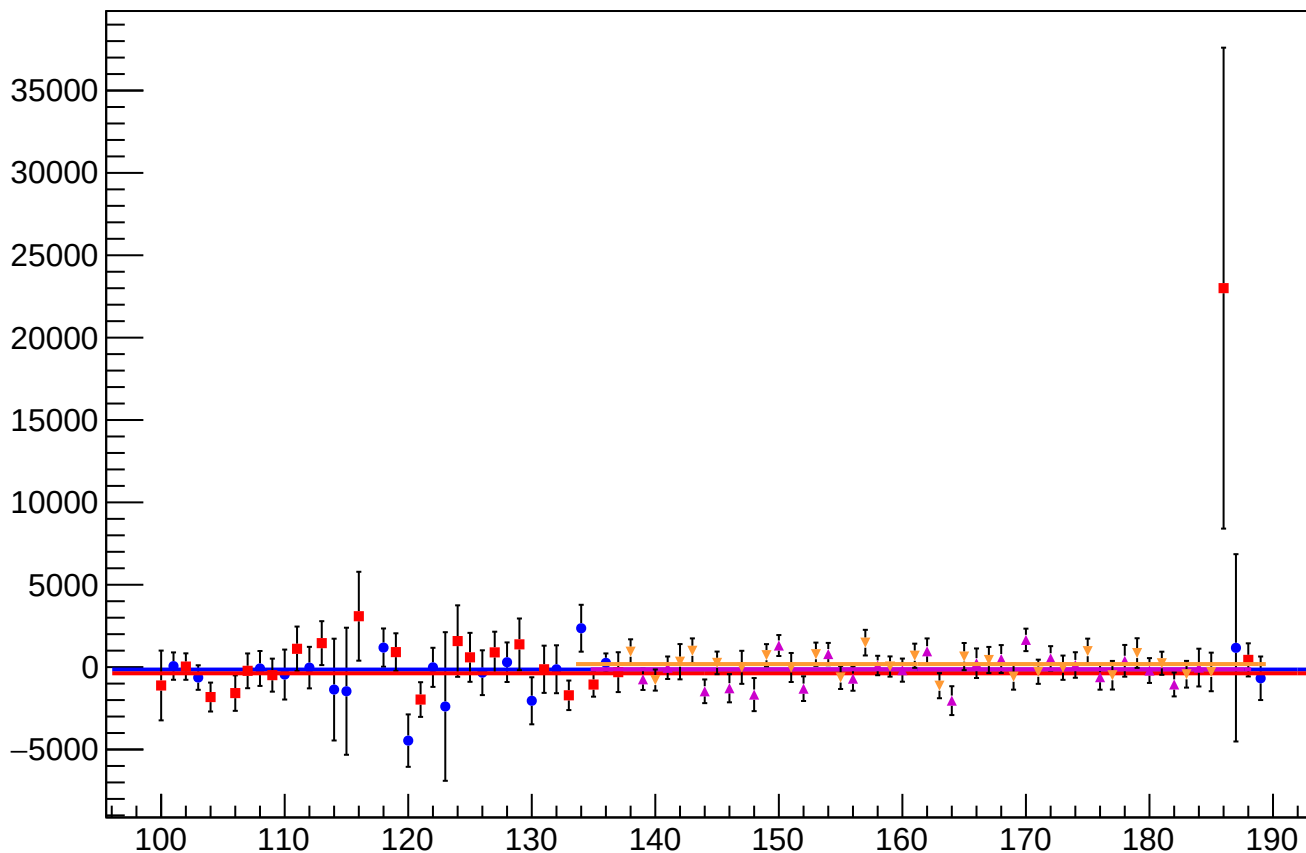
Right: 92.965+/-0.017 χ^2 /NDF: 593883.0/39

In: 103.907+/-0.015 χ^2 /NDF: 653931.3/41

Out: 102.473+/-0.014 χ^2 /NDF: 1103887.4/45

All: 103.153+/-0.010 χ^2 /NDF: 1762705.3/87

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



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

Left: 31.814 ± 109.877 χ^2/NDF : 56.6/47

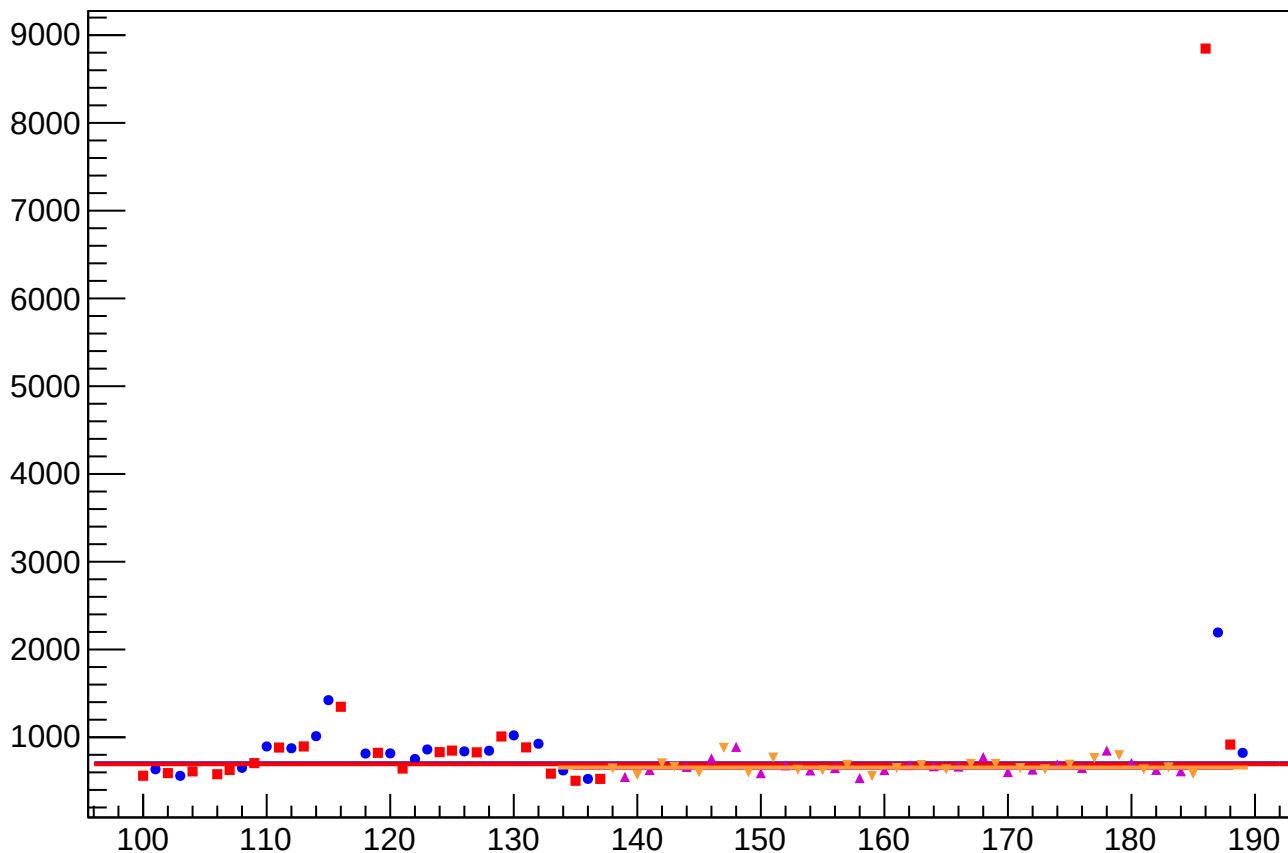
Right: -270.017 ± 184.620 χ^2/NDF : 38.4/39

In: -133.650 ± 135.932 χ^2/NDF : 51.7/41

Out: 33.528 ± 131.252 χ^2/NDF : 44.5/45

All: -47.133 ± 94.420 χ^2/NDF : 97.0/87

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 703.566+/-0.192 χ^2/NDF : 833420.4/18

Left Out: 655.155+/-0.109 χ^2/NDF : 367349.8/24

Right Out: 692.664+/-0.178 χ^2/NDF : 1412480.4/20

Left In: 650.883+/-0.111 χ^2/NDF : 466116.8/22

Left: 653.067+/-0.078 χ^2/NDF : 834222.1/47

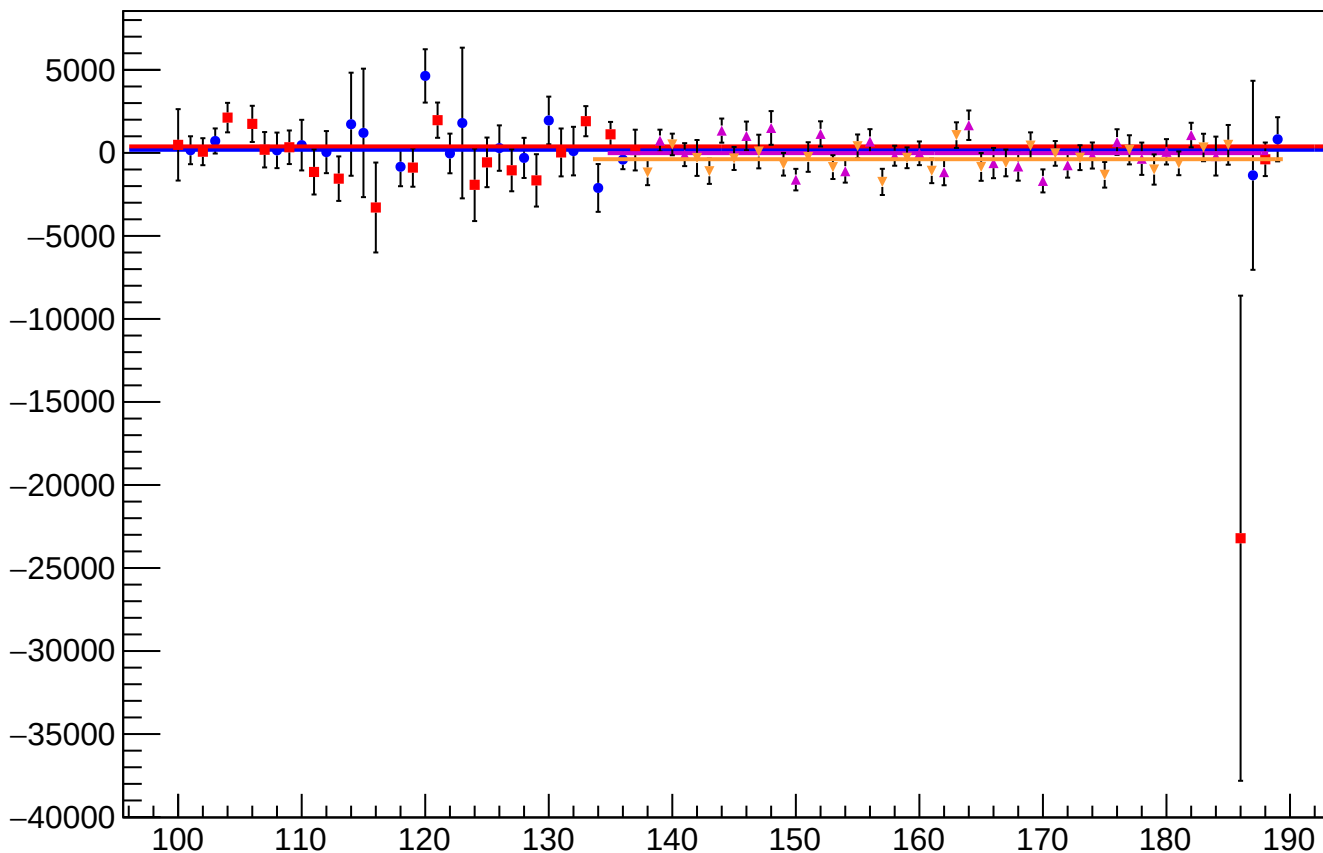
Right: 697.729+/-0.131 χ^2/NDF : 2247635.7/39

In: 664.151+/-0.096 χ^2/NDF : 1356142.6/41

Out: 665.306+/-0.093 χ^2/NDF : 1812069.7/45

All: 664.749+/-0.067 χ^2/NDF : 3168286.9/87

asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left: -201.306 $\pm$ 111.491 χ^2 /NDF: 58.7/47

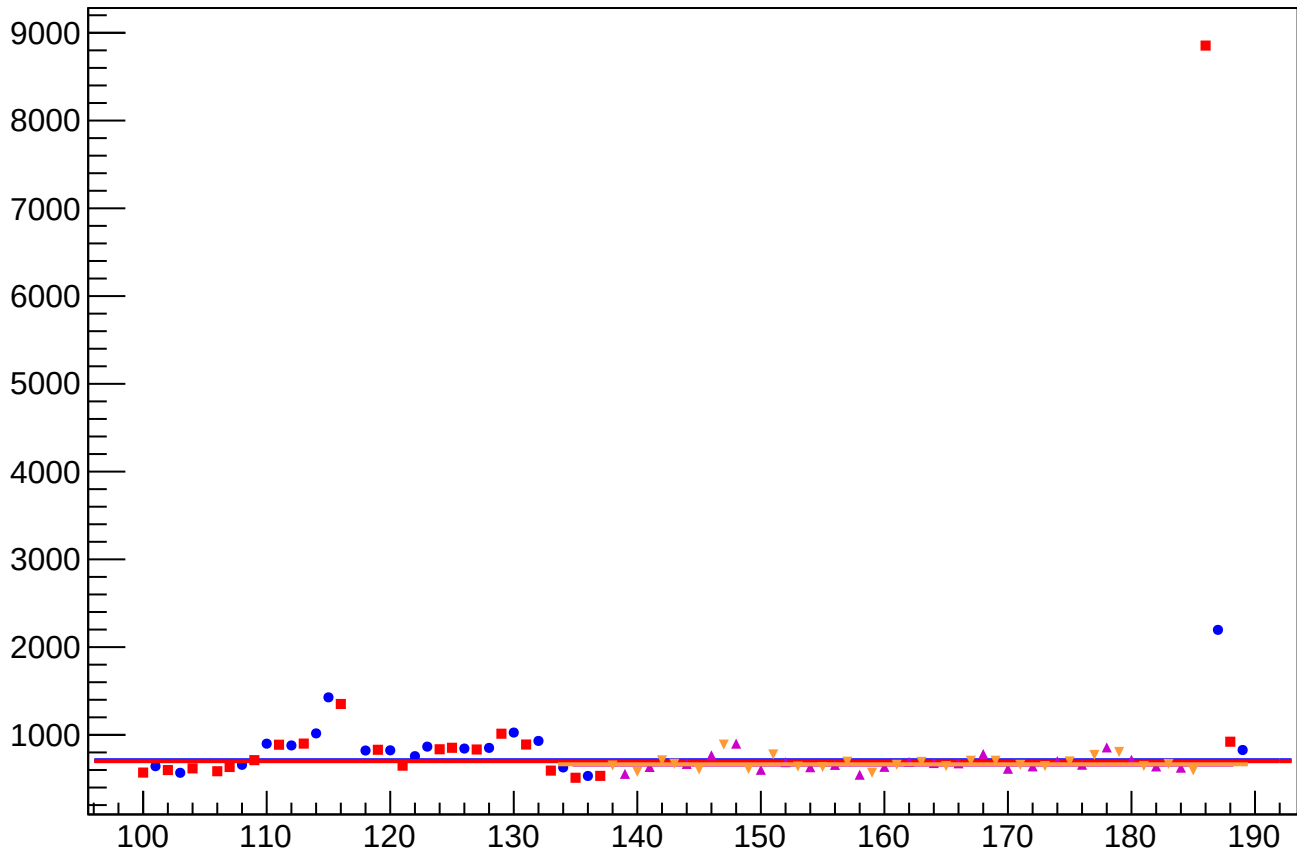
Right: 296.310 $\pm$ 186.451 χ^2 /NDF: 41.1/39

In: 36.643 $\pm$ 137.793 χ^2 /NDF:52.6/41

Out: -169.793 $\pm$ 132.983 χ^2 /NDF:51.3/45

All: -70.241 $\pm$ 95.688 χ^2 /NDF: 105.1/87

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 711.029+/-0.193 χ^2/NDF : 814292.6/18

Left Out: 664.773+/-0.110 χ^2/NDF : 357053.8/24

Right Out: 700.235+/-0.180 χ^2/NDF : 1391513.6/20

Left In: 660.890+/-0.113 χ^2/NDF : 449180.0/22

Left: 662.876+/-0.079 χ^2/NDF : 806839.8/47

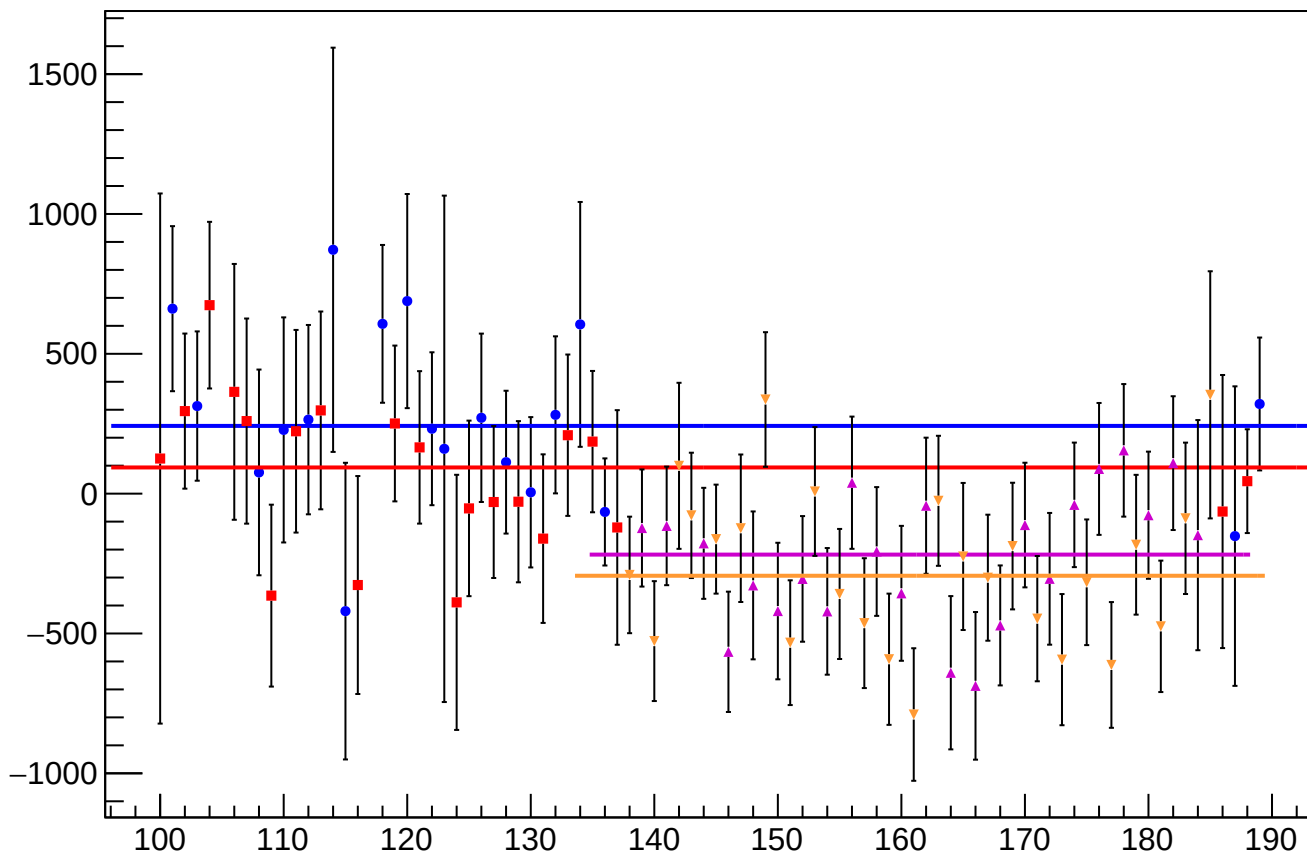
Right: 705.251+/-0.132 χ^2/NDF : 2207473.4/39

In: 673.615+/-0.097 χ^2/NDF : 1313620.9/41

Out: 674.430+/-0.094 χ^2/NDF : 1776751.9/45

All: 674.037+/-0.068 χ^2/NDF : 3090409.0/87

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left: -257.050 $\pm$ 33.934 χ^2 /NDF: 52.9/47

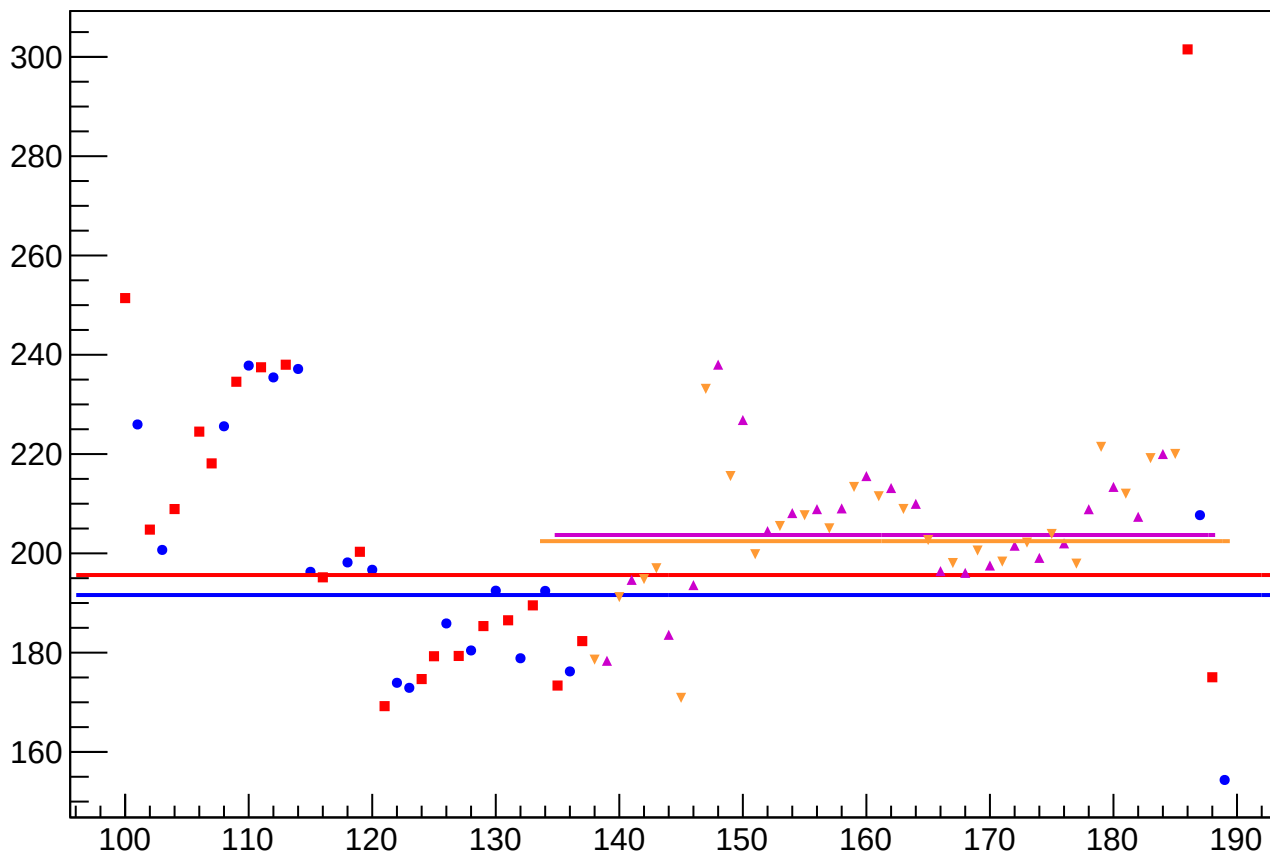
Right: 164.297 $\pm$ 49.530 χ^2 /NDF: 26.9/39

In: -72.541 $\pm$ 40.375 χ^2 /NDF:62.0/41

Out: -168.659 $\pm$ 38.849 χ^2 /NDF:64.1/45

All: -122.451 $\pm$ 27.994 χ^2 /NDF: 129.0/87

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left: 203.058 $\pm$ 0.024 χ^2 /NDF: 295442.7/47

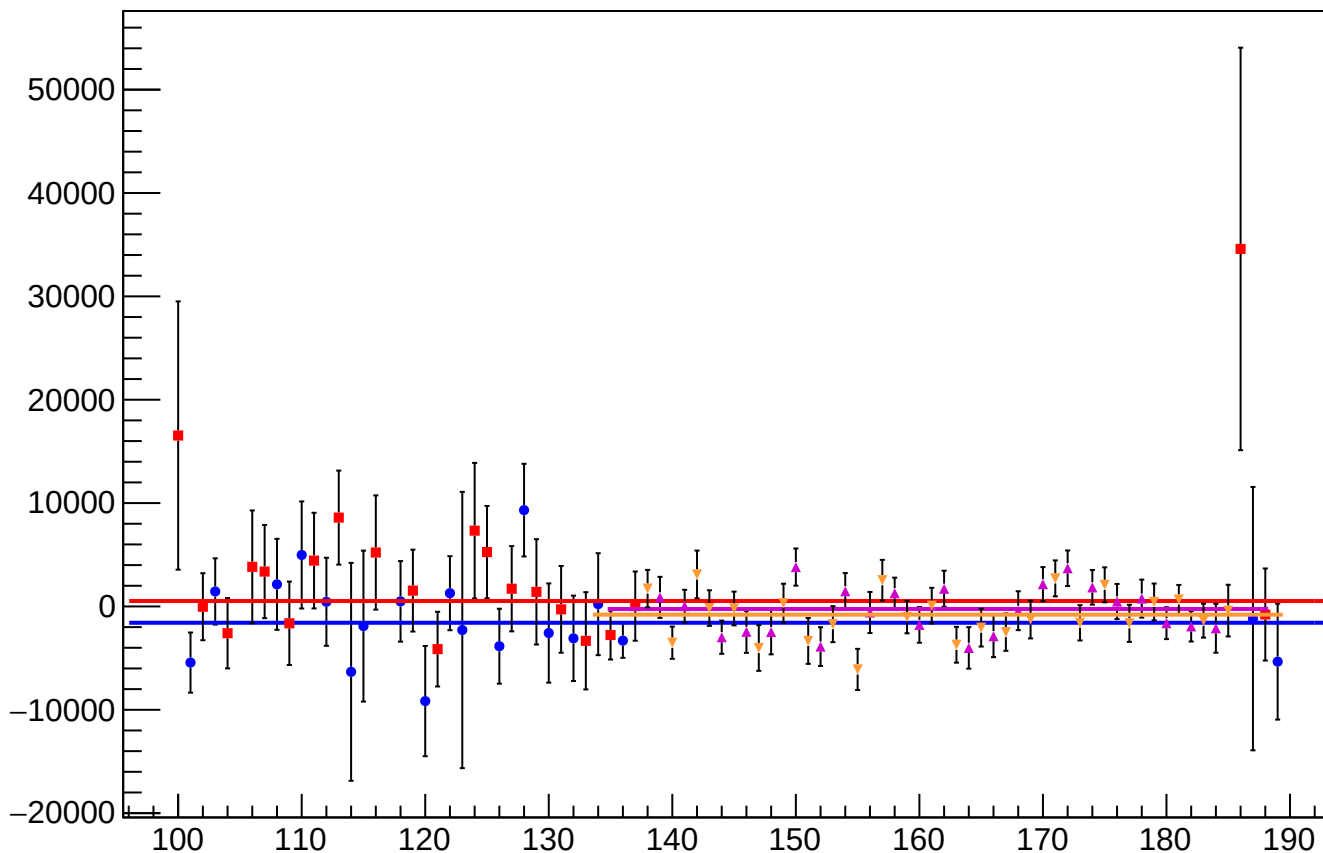
Right: 193.719 $\pm$ 0.035 χ^2 /NDF: 491374.2/39

In: 199.877 $\pm$ 0.029 χ^2 /NDF:372723.6/41

Out: 200.257 $\pm$ 0.027 χ^2 /NDF:462389.6/45

All: 200.074 $\pm$ 0.020 χ^2 /NDF: 835205.2/87

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1578.379 $\pm$ 898.469 χ^2 /NDF: 16.5/18

Left Out: -796.528 $\pm$ 357.851 χ^2 /NDF: 35.7/24

Right Out: 524.849 $\pm$ 915.482 χ^2 /NDF: 17.9/20

Left In: -245.102 $\pm$ 369.846 χ^2 /NDF: 35.7/22

Left: -529.902 $\pm$ 257.175 χ^2 /NDF: 72.6/47

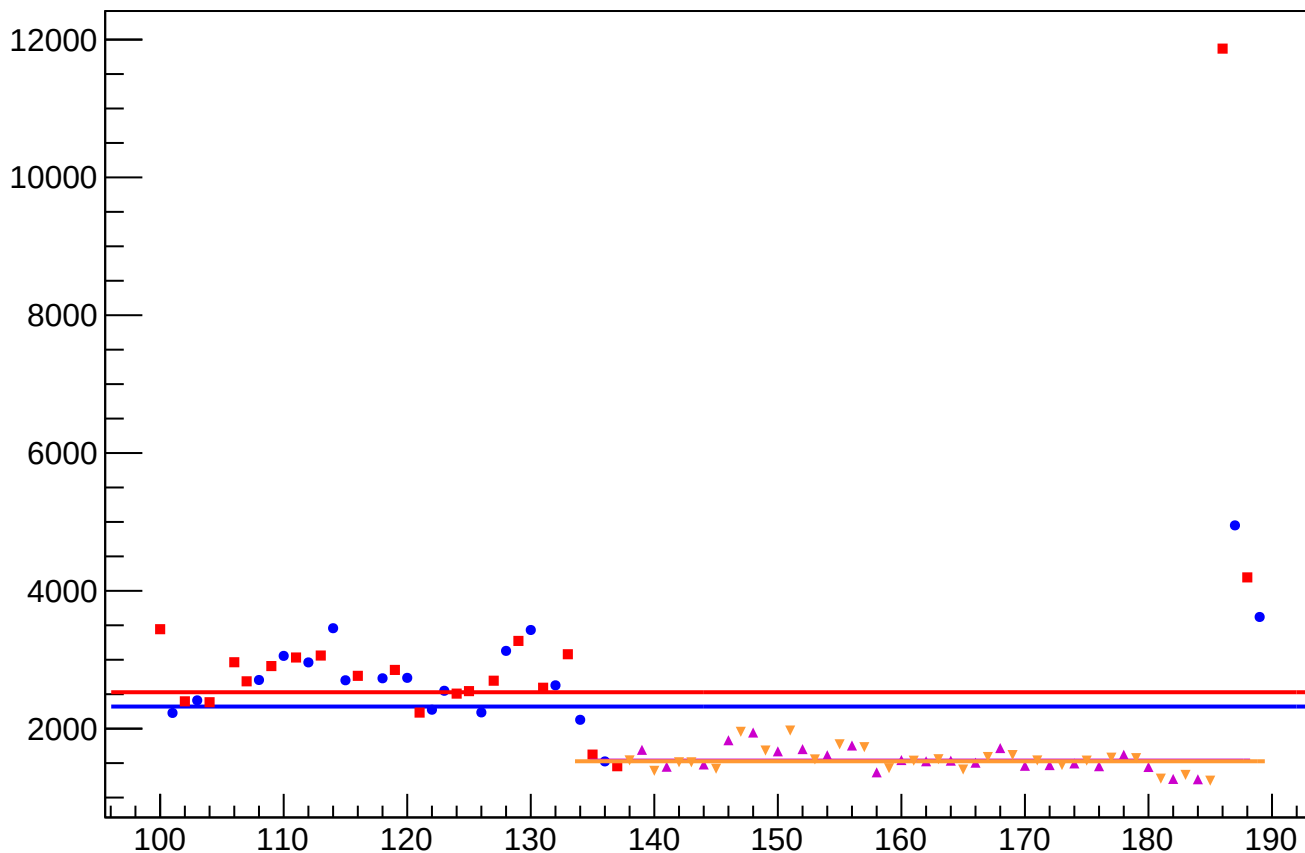
Right: -546.489 $\pm$ 641.244 χ^2 /NDF: 37.0/39

In: -438.288 $\pm$ 342.004 χ^2 /NDF: 54.1/41

Out: -621.390 $\pm$ 333.293 χ^2 /NDF: 55.4/45

All: -532.200 $\pm$ 238.694 χ^2 /NDF: 109.6/87

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2320.865+/-0.635 χ^2/NDF : 1005067.2/18

Left Out: 1526.712+/-0.253 χ^2/NDF : 394892.7/24

Right Out: 2528.569+/-0.647 χ^2/NDF : 1443848.7/20

Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22

Left: 1531.463+/-0.182 χ^2/NDF : 745995.2/47

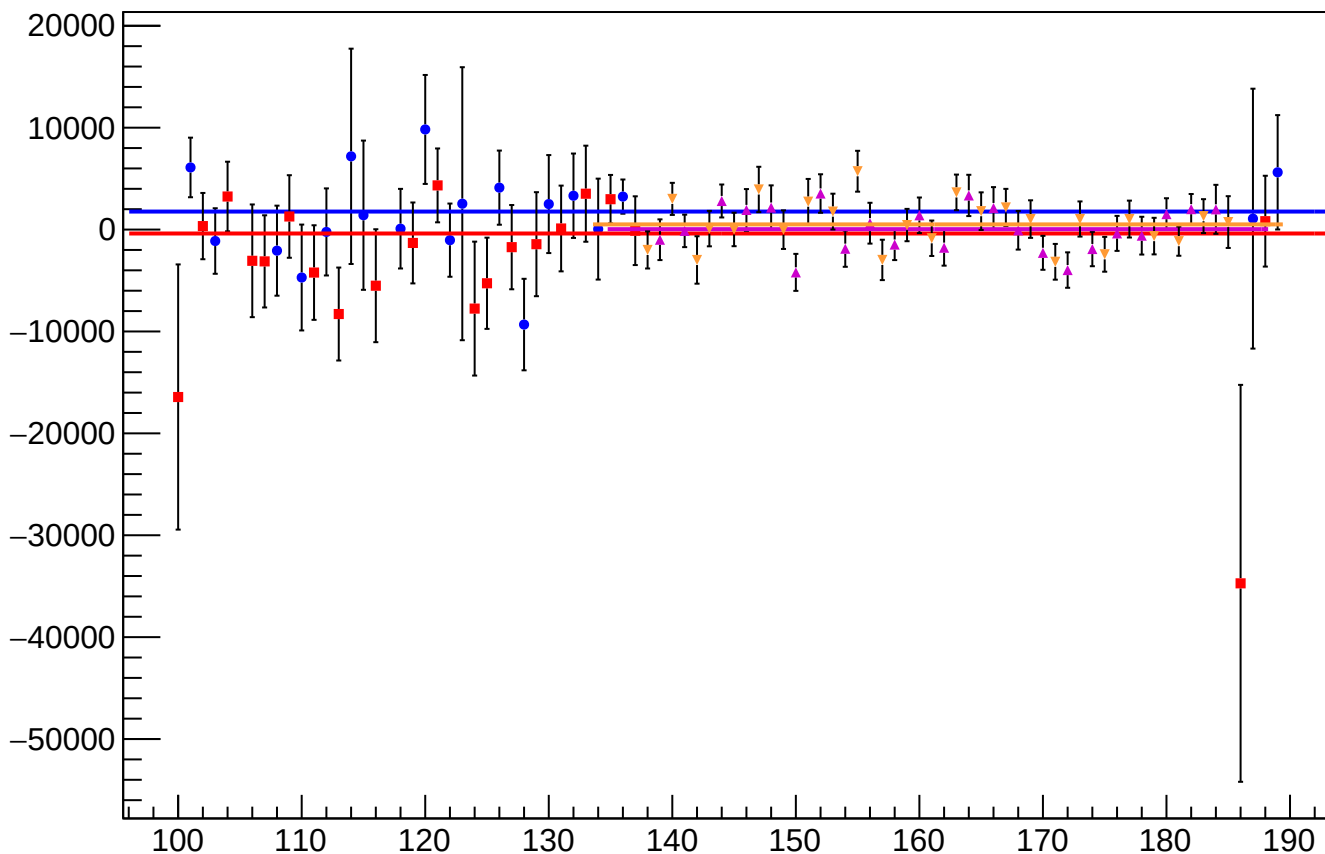
Right: 2422.769+/-0.453 χ^2/NDF : 2501355.3/39

In: 1650.183+/-0.242 χ^2/NDF : 2658721.9/41

Out: 1659.500+/-0.236 χ^2/NDF : 3916479.0/45

All: 1654.962+/-0.169 χ^2/NDF : 6575962.0/87

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1767.799+/-902.343 χ^2/NDF : 16.9/18

Left Out: 507.982+/-361.172 χ^2/NDF : 35.4/24

Right Out: -384.880+/-919.088 χ^2/NDF : 18.2/20

Left In: 40.080+/-373.261 χ^2/NDF : 33.6/22

Left: 281.730+/-259.556 χ^2/NDF : 69.8/47

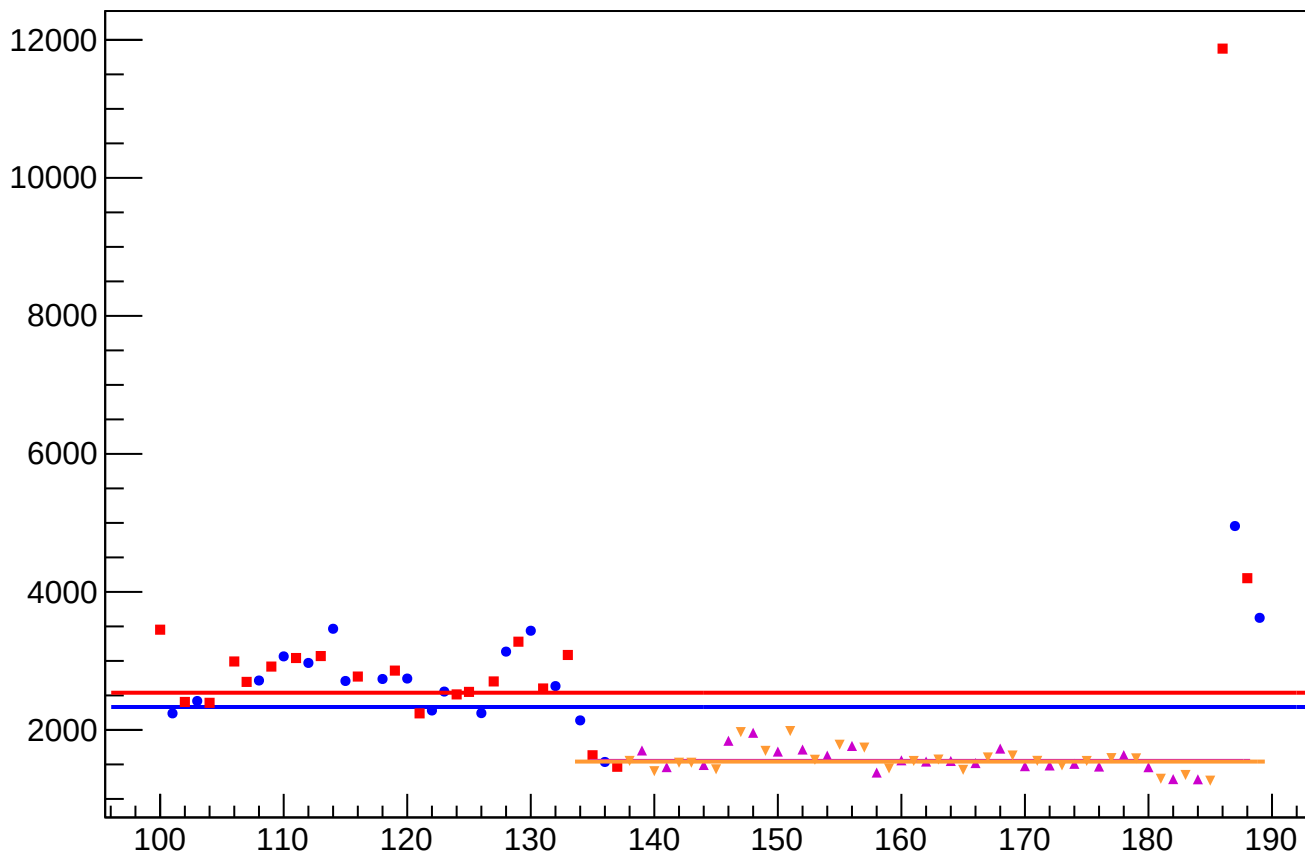
Right: 711.247+/-643.891 χ^2/NDF : 37.9/39

In: 292.518+/-344.916 χ^2/NDF : 53.6/41

Out: 388.546+/-336.149 χ^2/NDF : 54.4/45

All: 341.768+/-240.733 χ^2/NDF : 108.1/87

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2332.192 $\pm$ 0.638 χ^2 /NDF: 991269.6/18

Left Out: 1541.258 $\pm$ 0.255 χ^2 /NDF: 382045.4/24

Right Out: 2539.080 $\pm$ 0.650 χ^2 /NDF: 1432222.9/20

Left In: 1551.063 $\pm$ 0.264 χ^2 /NDF: 338898.9/22

Left: 1546.000 $\pm$ 0.184 χ^2 /NDF: 721657.1/47

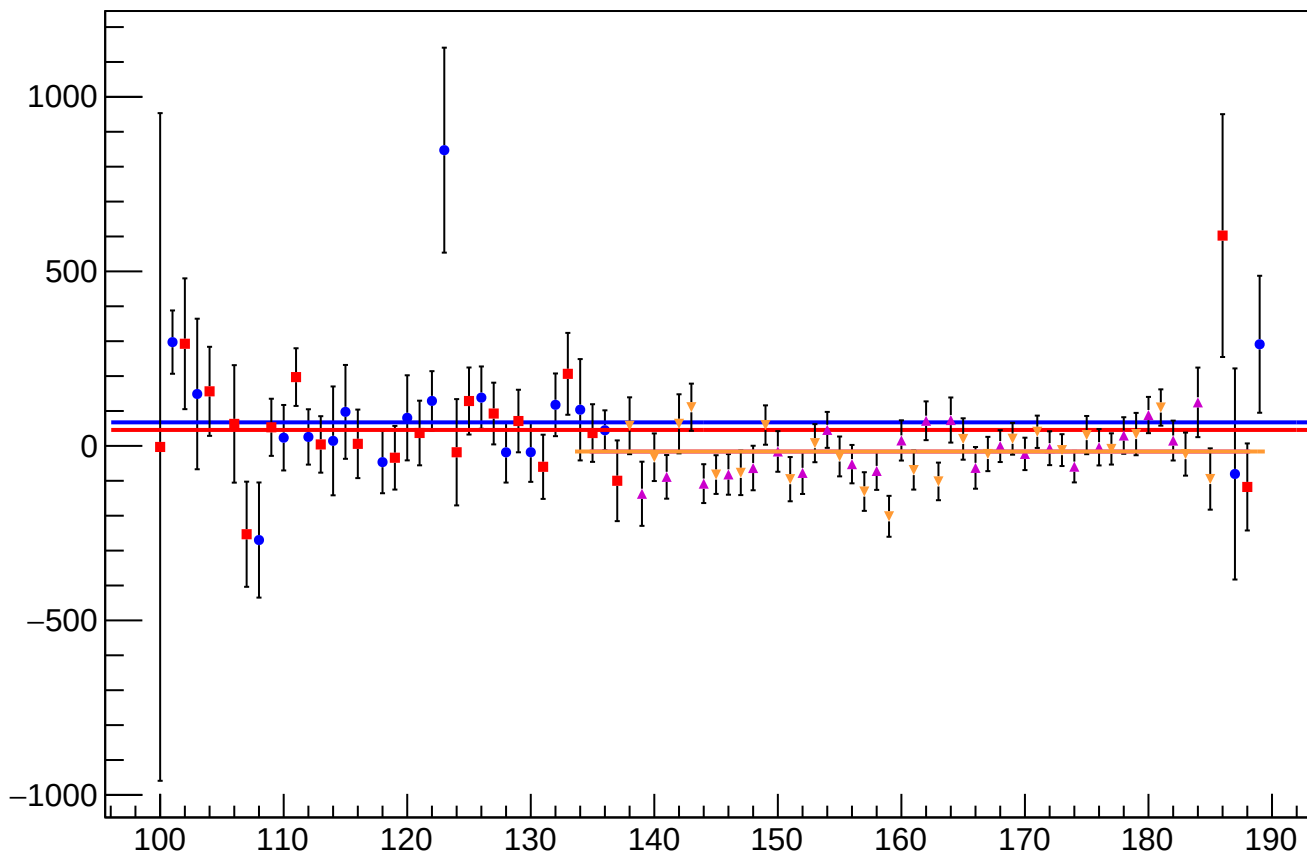
Right: 2433.734 $\pm$ 0.455 χ^2 /NDF: 2475094.6/39

In: 1665.195 $\pm$ 0.244 χ^2 /NDF: 2609940.6/41

Out: 1674.734 $\pm$ 0.238 χ^2 /NDF: 3856271.1/45

All: 1670.087 $\pm$ 0.170 χ^2 /NDF: 6466996.3/87

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 67.456 $\pm$ 23.549 χ^2 /NDF: 25.3/18

Left Out: -16.049 $\pm$ 11.340 χ^2 /NDF:39.7/24

Right Out: 45.701 $\pm$ 23.261 χ^2 /NDF: 21.4/20

Left In: -16.162 $\pm$ 11.649 χ^2 /NDF:25.2/22

Left: -16.104 $\pm$ 8.126 χ^2 /NDF: 64.9/47

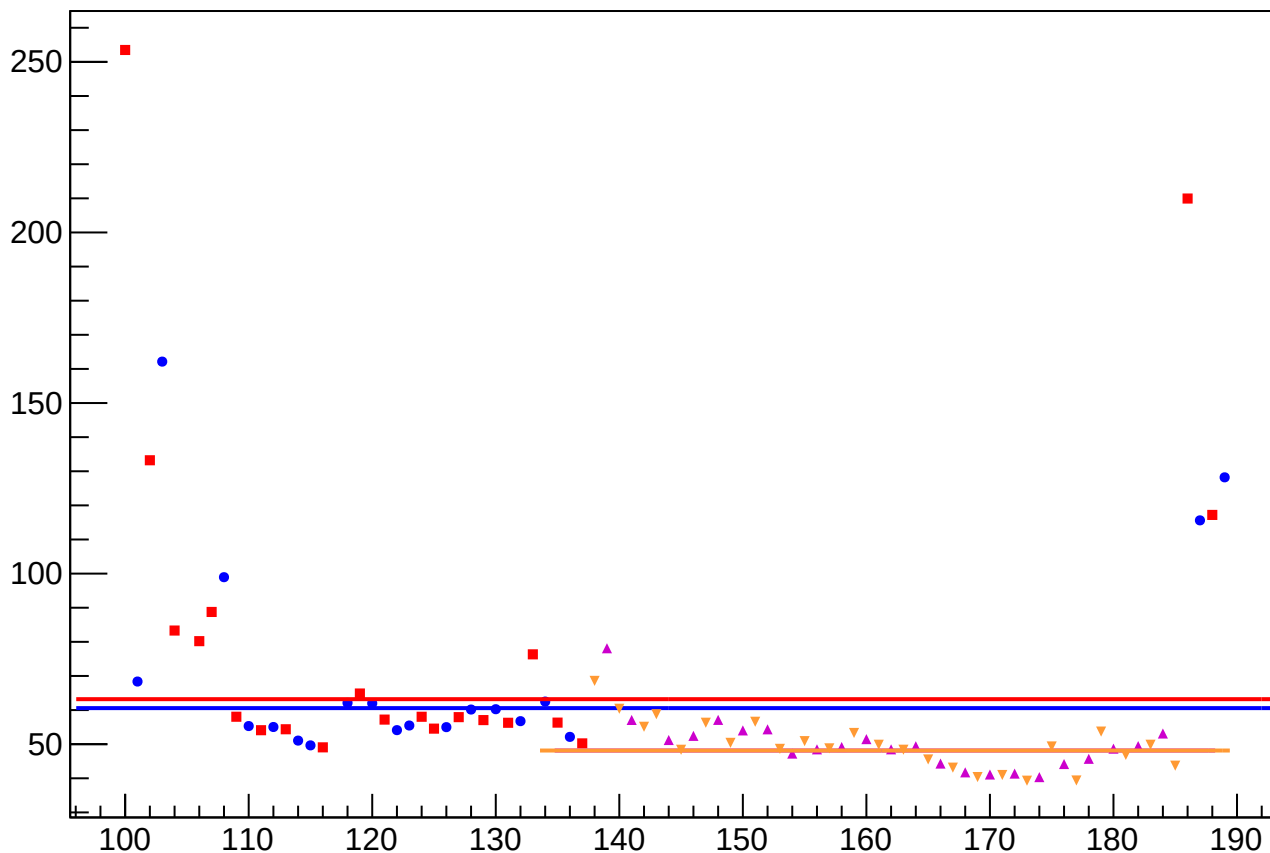
Right: 56.445 $\pm$ 16.549 χ^2 /NDF: 47.1/39

In: 0.278 $\pm$ 10.442 χ^2 /NDF:60.7/41

Out: -4.191 $\pm$ 10.193 χ^2 /NDF:66.7/45

All: -2.010 $\pm$ 7.294 χ^2 /NDF: 127.5/87

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 60.571+/-0.017 χ^2/NDF : 975526.7/18

Left Out: 48.141+/-0.008 χ^2/NDF : 655250.3/24

Right Out: 63.197+/-0.016 χ^2/NDF : 1433970.9/20

Left In: 48.139+/-0.008 χ^2/NDF : 575025.5/22

Left: 48.140+/-0.006 χ^2/NDF : 1230275.9/47

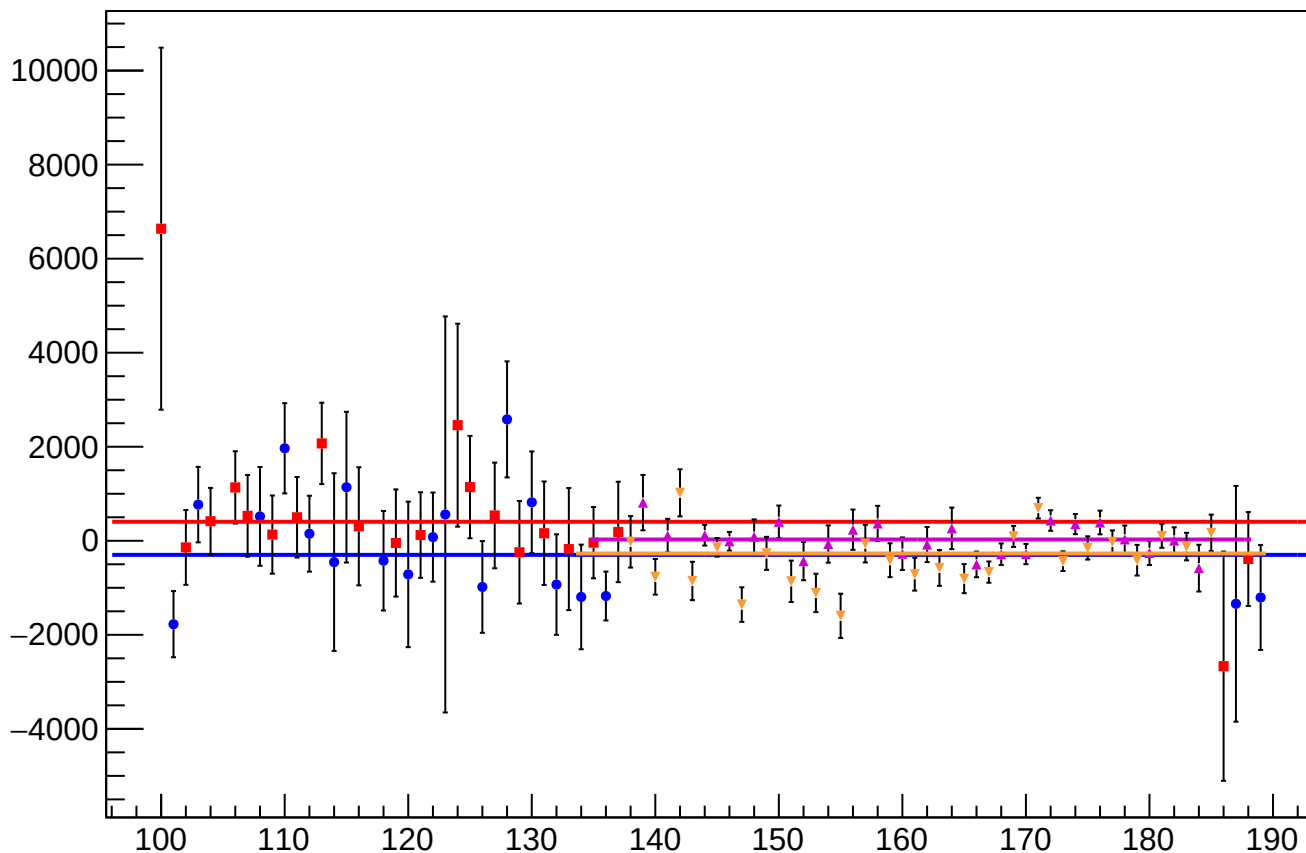
Right: 61.900+/-0.012 χ^2/NDF : 2422084.3/39

In: 50.583+/-0.007 χ^2/NDF : 1998342.6/41

Out: 51.032+/-0.007 χ^2/NDF : 2766240.0/45

All: 50.813+/-0.005 χ^2/NDF : 4766473.0/87

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



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

Left: -122.095 ± 42.641 χ^2/NDF : 107.3/47

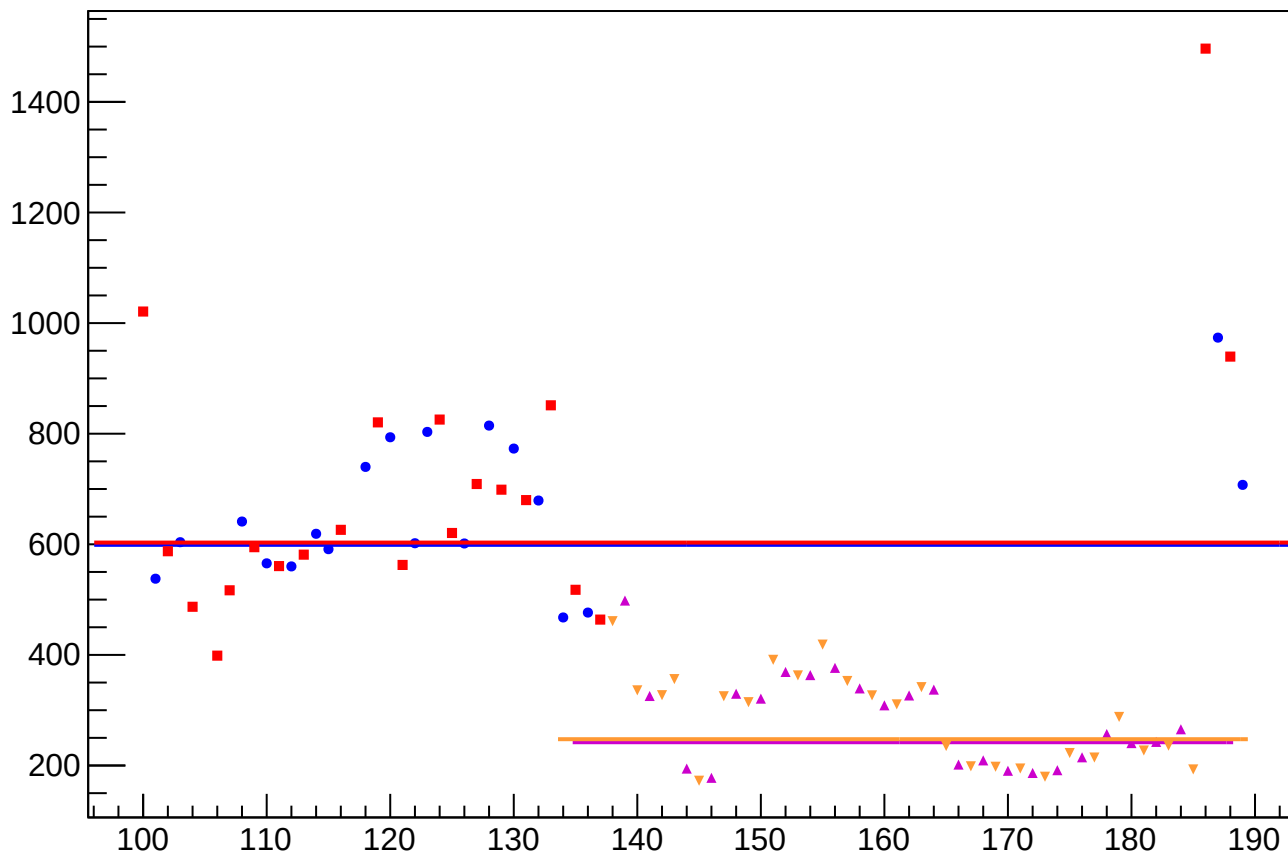
Right: 71.473 ± 157.198 χ^2/NDF : 43.1/39

In: 5.921 ± 58.422 χ^2/NDF : 52.4/41

Out: -221.853 ± 57.981 χ^2/NDF : 91.8/45

All: -108.828 ± 41.154 χ^2/NDF : 151.9/87

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



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

Left: 244.855 $\pm$ 0.030 χ^2 /NDF: 5255218.1/47

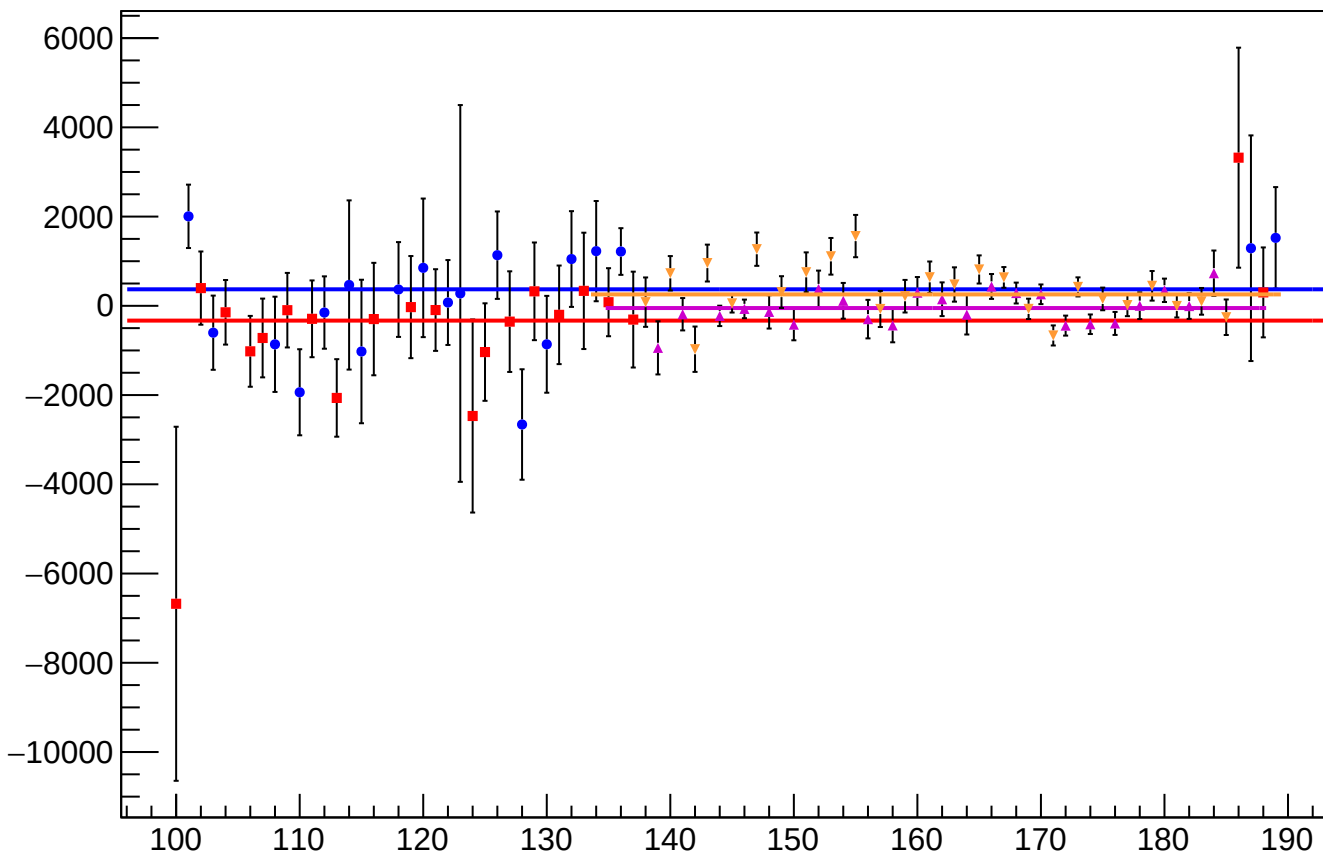
Right: 601.199 $\pm$ 0.111 χ^2 /NDF: 1439524.7/39

In: 265.450 $\pm$ 0.041 χ^2 /NDF:7451489.1/41

Out: 273.048 $\pm$ 0.041 χ^2 /NDF:8799051.6/45

All: 269.278 $\pm$ 0.029 χ^2 /NDF: 16267585.8/87

asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left: 103.982 $\pm$ 43.557 χ^2/NDF : 103.4/47

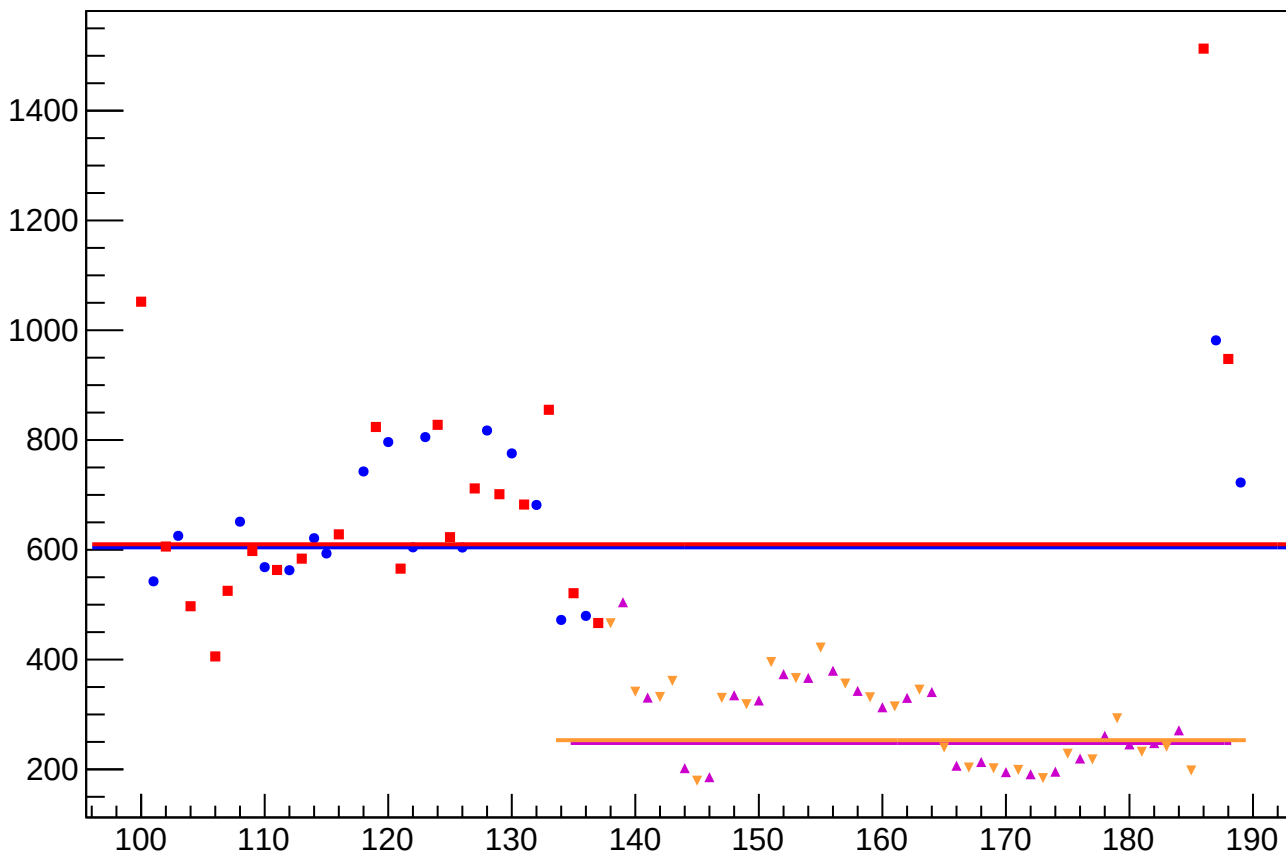
Right: 1.616 $\pm$ 158.799 χ^2/NDF : 46.1/39

In: -21.688 $\pm$ 59.675 χ^2/NDF : 58.4/41

Out: 213.201 $\pm$ 59.138 χ^2/NDF : 83.7/45

All: 96.819 $\pm$ 42.006 χ^2/NDF : 149.9/87

asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left: 250.618+/-0.031 χ^2/NDF : 5016040.5/47

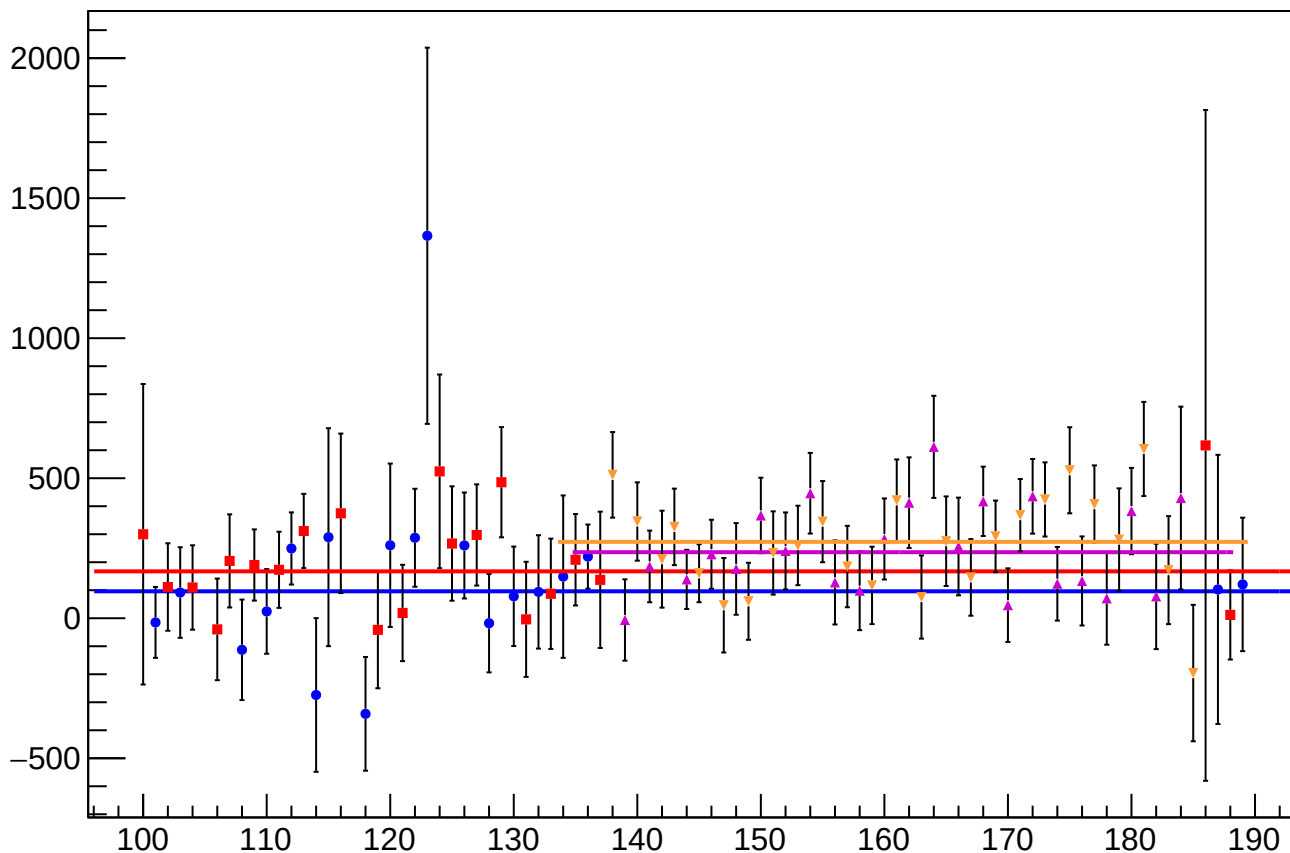
Right: 607.412+/-0.112 χ^2/NDF : 1418219.5/39

In: 271.950+/-0.042 χ^2/NDF : 7227767.4/41

Out: 279.151+/-0.042 χ^2/NDF : 8581857.5/45

All: 275.583+/-0.030 χ^2/NDF : 15824317.6/87

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left: 254.870 $\pm$ 21.011 χ^2 /NDF: 52.8/47

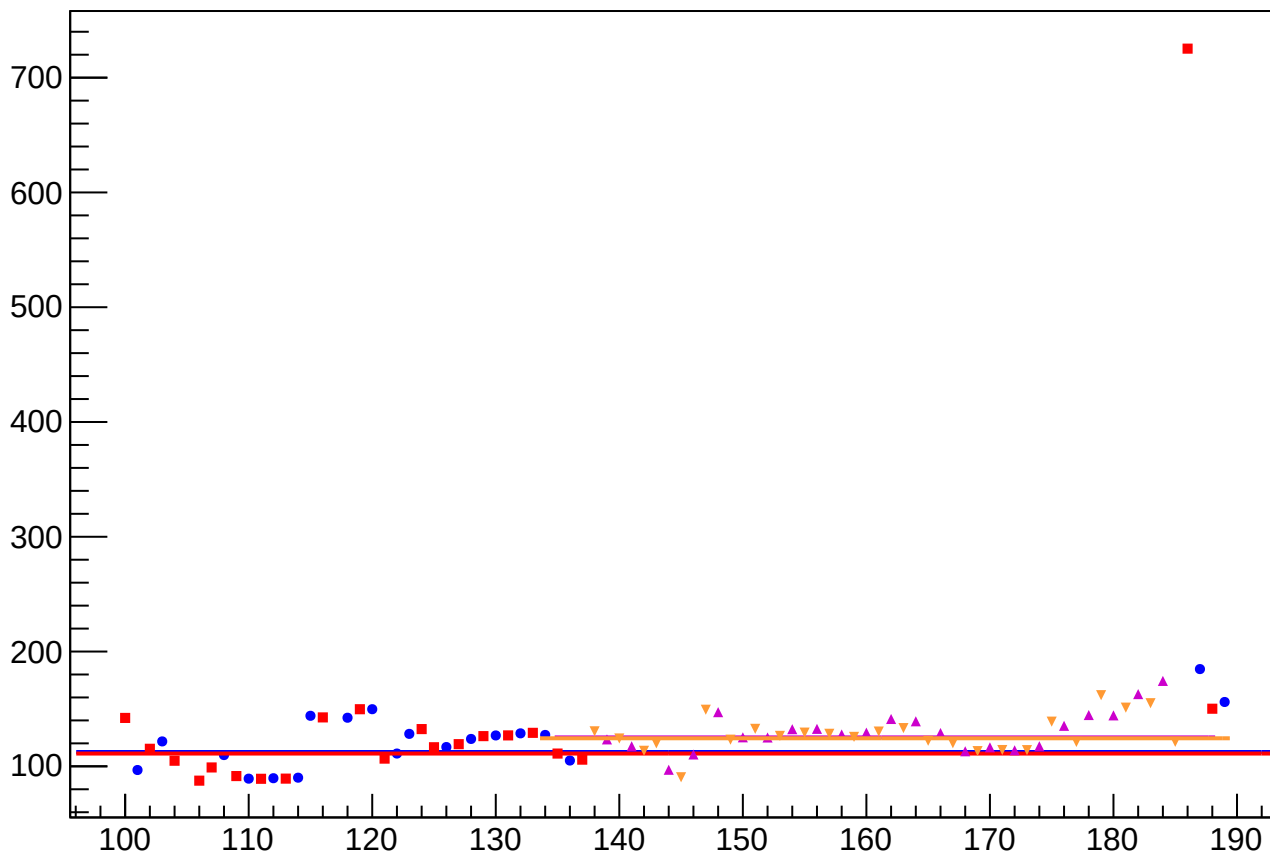
Right: 134.112 $\pm$ 29.078 χ^2 /NDF: 31.1/39

In: 188.932 $\pm$ 24.640 χ^2 /NDF:49.7/41

Out: 235.872 $\pm$ 23.565 χ^2 /NDF:43.6/45

All: 213.448 $\pm$ 17.030 χ^2 /NDF: 95.2/87

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left: 124.804+/-0.015 χ^2/NDF : 1041801.9/47

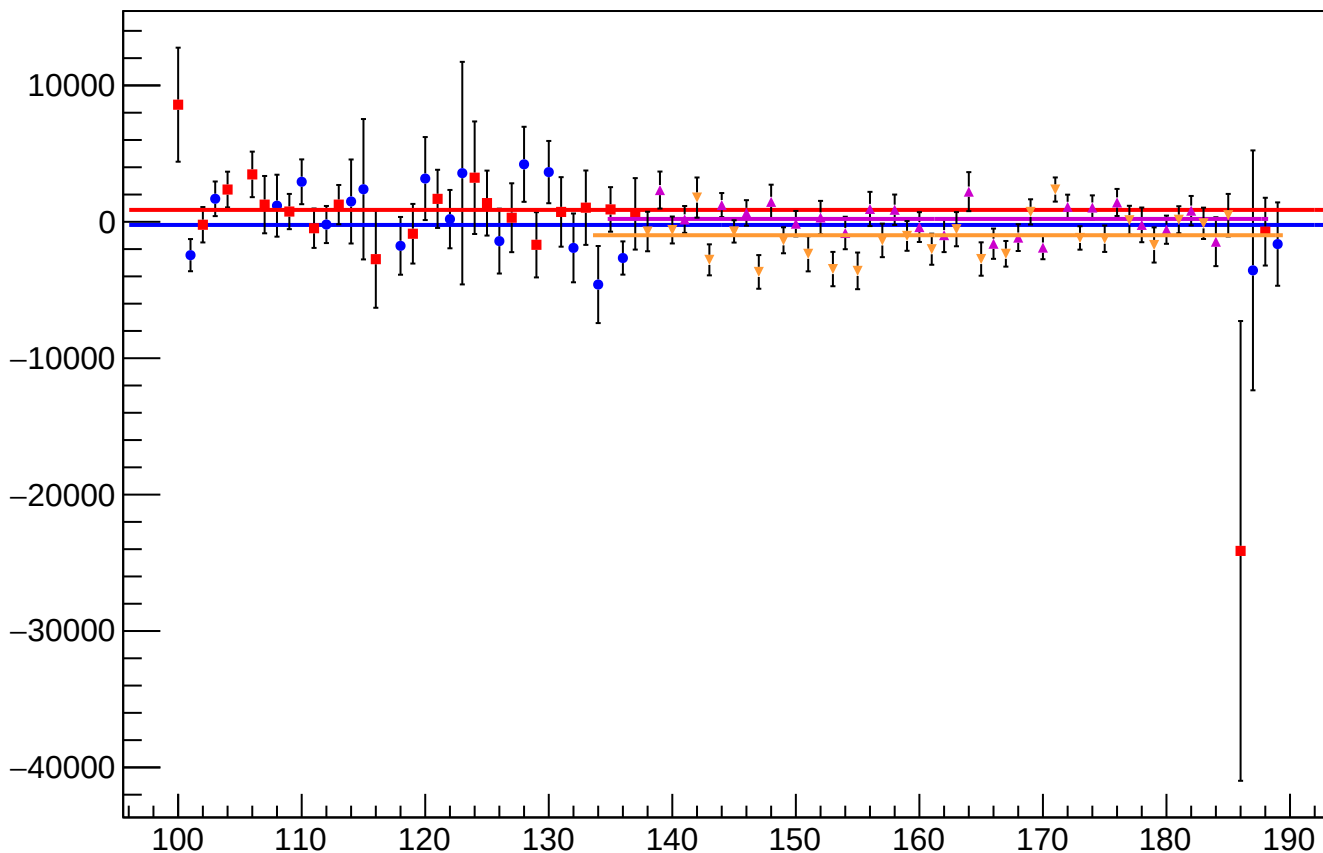
Right: 111.755+/-0.021 χ^2/NDF : 1419026.2/39

In: 120.931+/-0.017 χ^2/NDF : 1033005.2/41

Out: 119.776+/-0.017 χ^2/NDF : 1690144.8/45

All: 120.328+/-0.012 χ^2/NDF : 2725447.7/87

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



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

Left: -399.983 ± 155.996 χ^2/NDF : 87.5/47

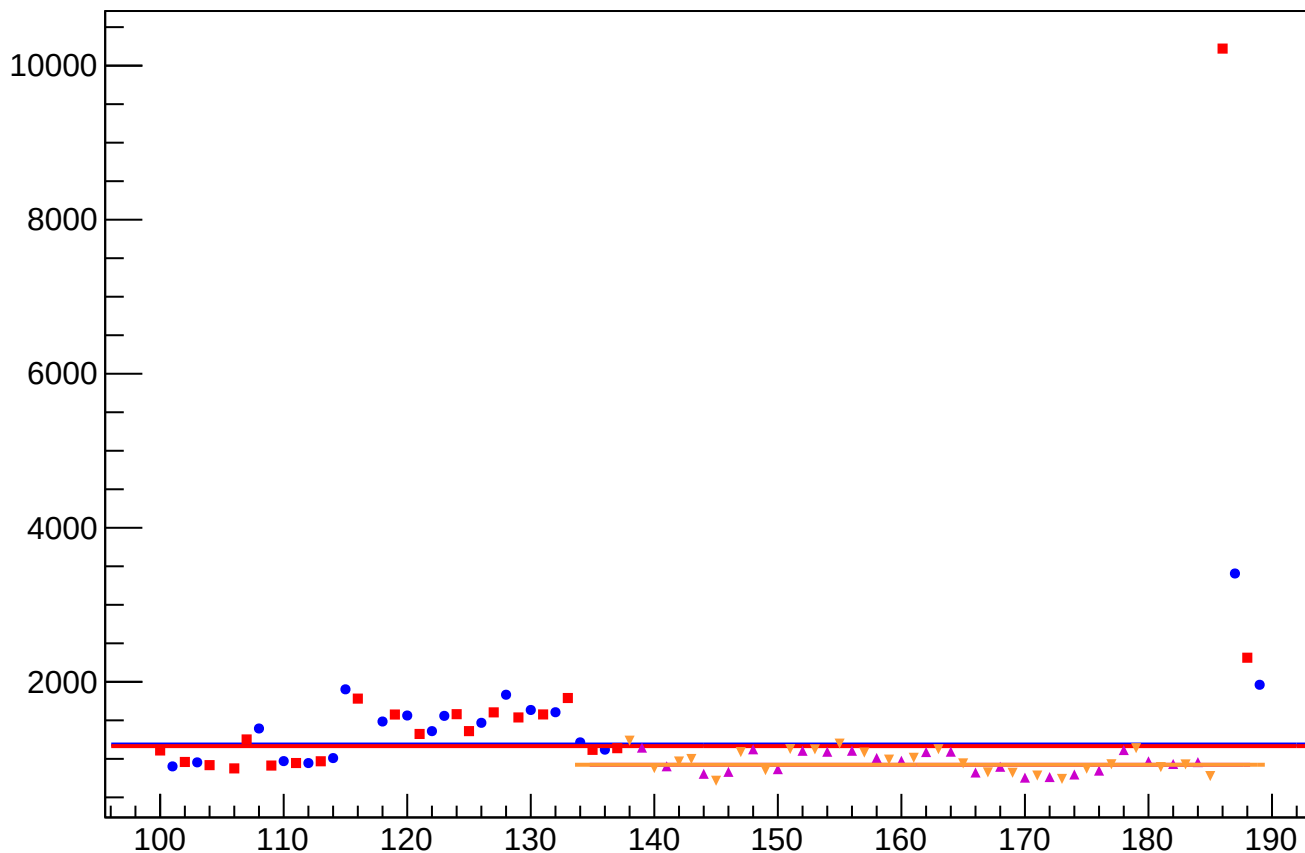
Right: 360.664 ± 313.719 χ^2/NDF : 43.3/39

In: 127.430 ± 200.863 χ^2/NDF : 51.8/41

Out: -601.869 ± 194.373 χ^2/NDF : 76.9/45

All: -249.193 ± 139.680 χ^2/NDF : 135.5/87

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1186.020+/-0.325 χ^2/NDF : 963049.5/18

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

Right Out: 1165.354+/-0.303 χ^2/NDF : 1792017.1/20

Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

Left: 922.932+/-0.110 χ^2/NDF : 1477507.6/47

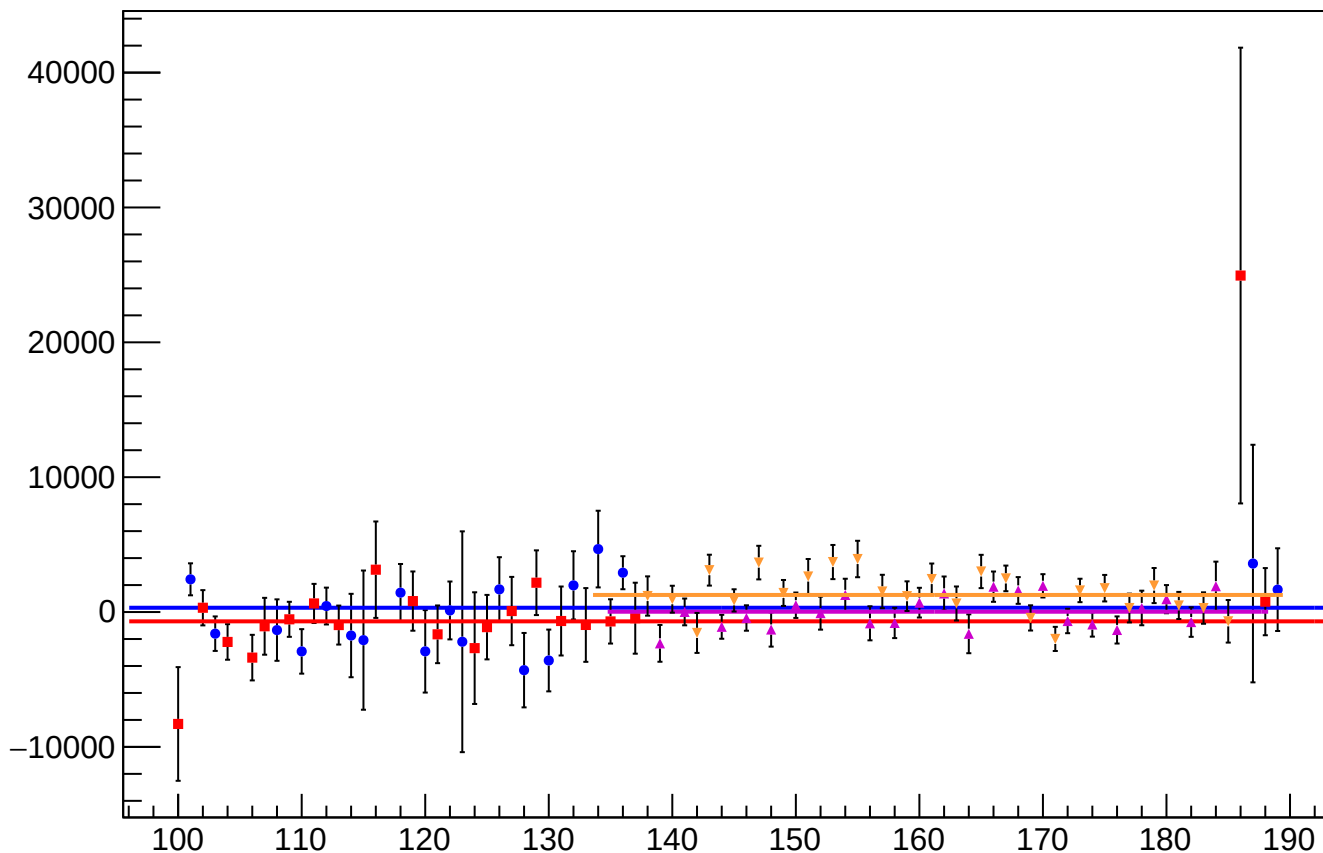
Right: 1174.975+/-0.222 χ^2/NDF : 2757226.1/39

In: 972.583+/-0.142 χ^2/NDF : 2130350.3/41

Out: 973.190+/-0.137 χ^2/NDF : 3139378.4/45

All: 972.896+/-0.099 χ^2/NDF : 5269738.2/87

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left: 660.362 ± 157.518 χ^2/NDF : 87.7/47

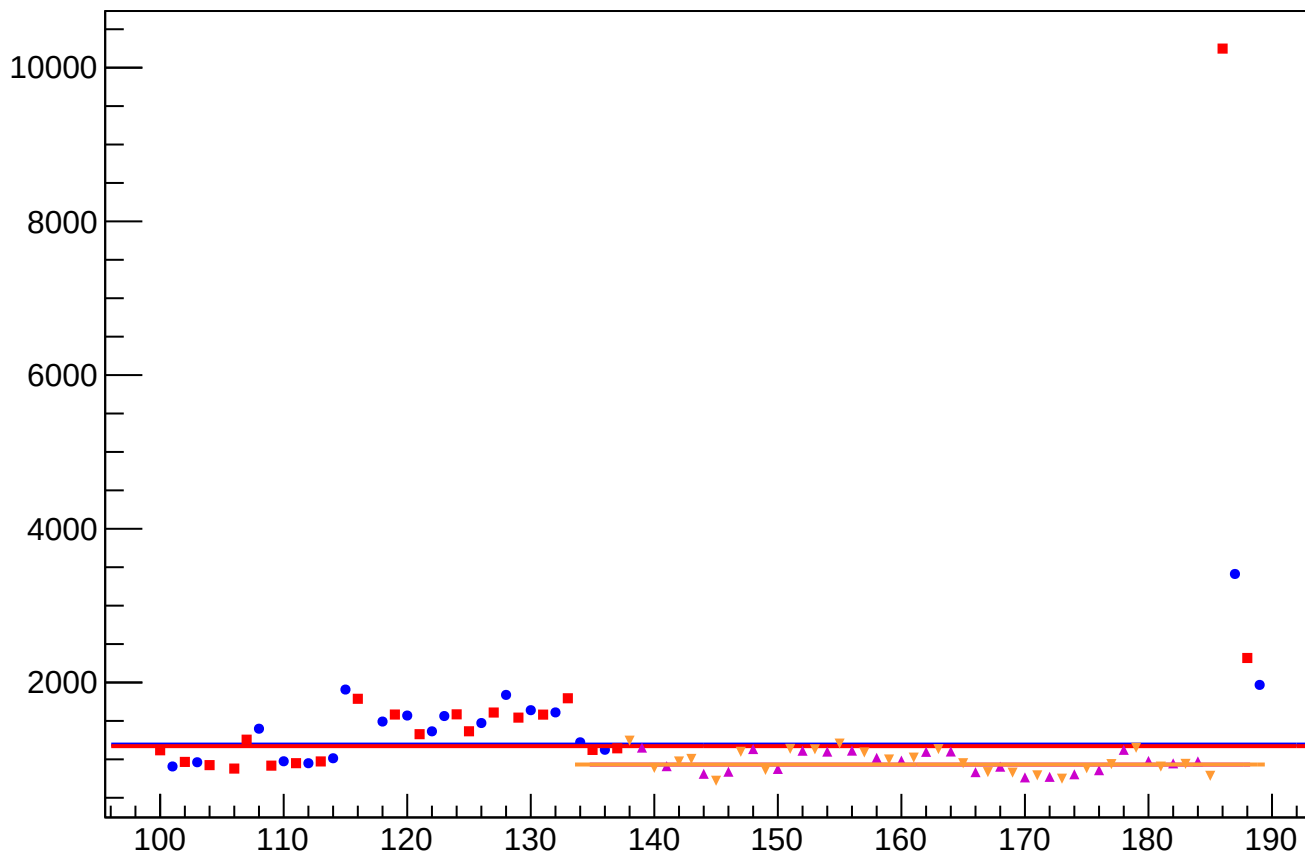
Right: -220.351 ± 315.331 χ^2/NDF : 43.1/39

In: 80.211 ± 202.646 χ^2/NDF : 53.1/41

Out: 862.993 ± 196.082 χ^2/NDF : 76.2/45

All: 484.483 ± 140.914 χ^2/NDF : 137.0/87

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1192.145 $\pm$ 0.327 χ^2 /NDF: 956451.0/18

Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24

Right Out: 1171.675 $\pm$ 0.305 χ^2 /NDF: 1782921.7/20

Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

Left: 932.144 $\pm$ 0.111 χ^2 /NDF: 1454267.3/47

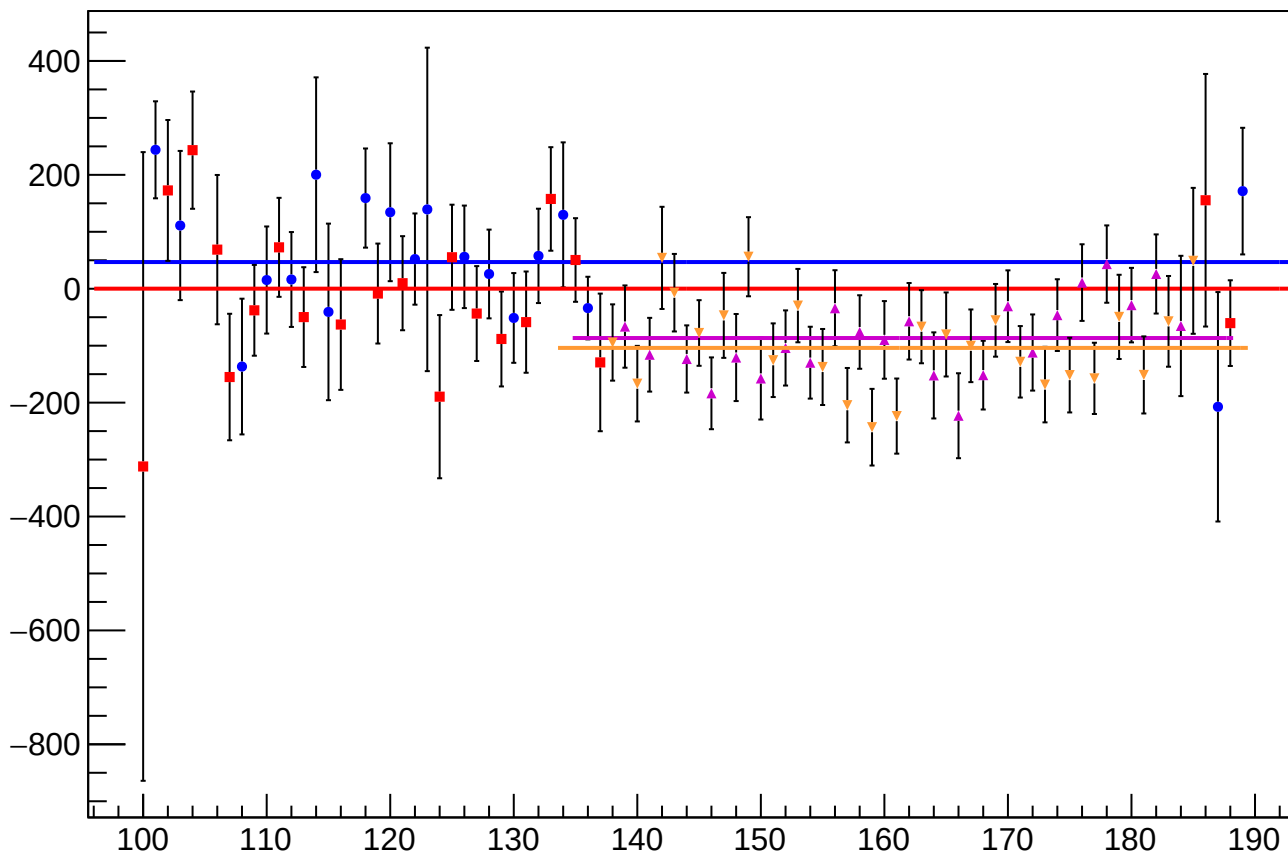
Right: 1181.209 $\pm$ 0.223 χ^2 /NDF: 2741469.9/39

In: 981.631 $\pm$ 0.143 χ^2 /NDF: 2094943.5/41

Out: 982.117 $\pm$ 0.139 χ^2 /NDF: 3099358.7/45

All: 981.882 $\pm$ 0.100 χ^2 /NDF: 5194308.2/87

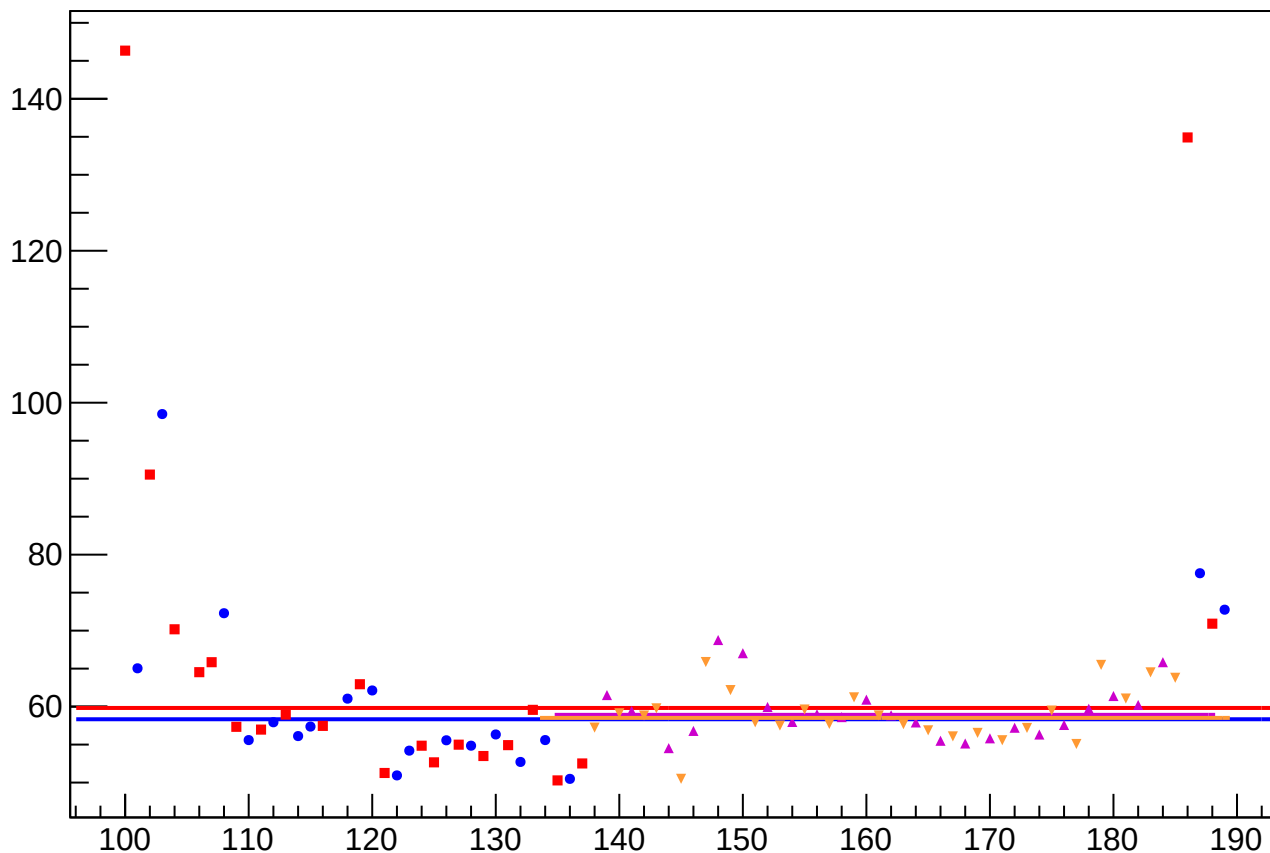
reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 46.870 $\pm$ 22.028 χ^2 /NDF: 18.7/18
 Left Out: -103.899 $\pm$ 13.642 χ^2 /NDF:30.0/24
 Right Out: 0.139 $\pm$ 21.189 χ^2 /NDF: 21.3/20
 Left In: -86.542 $\pm$ 14.120 χ^2 /NDF:21.4/22

Left: -95.520 $\pm$ 9.811 χ^2 /NDF: 52.1/47
 Right: 22.598 $\pm$ 15.271 χ^2 /NDF: 42.4/39
 In: -47.689 $\pm$ 11.887 χ^2 /NDF:66.1/41
 Out: -73.412 $\pm$ 11.470 χ^2 /NDF:68.4/45
 All: -61.009 $\pm$ 8.254 χ^2 /NDF: 136.9/87

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.334+/-0.016 χ^2/NDF : 361310.6/18

Left Out: 58.513+/-0.010 χ^2/NDF :123221.6/24

Right Out: 59.821+/-0.015 χ^2/NDF : 582910.2/20

Left In: 58.913+/-0.010 χ^2/NDF :109968.0/22

Left: 58.706+/-0.007 χ^2/NDF : 234021.7/47

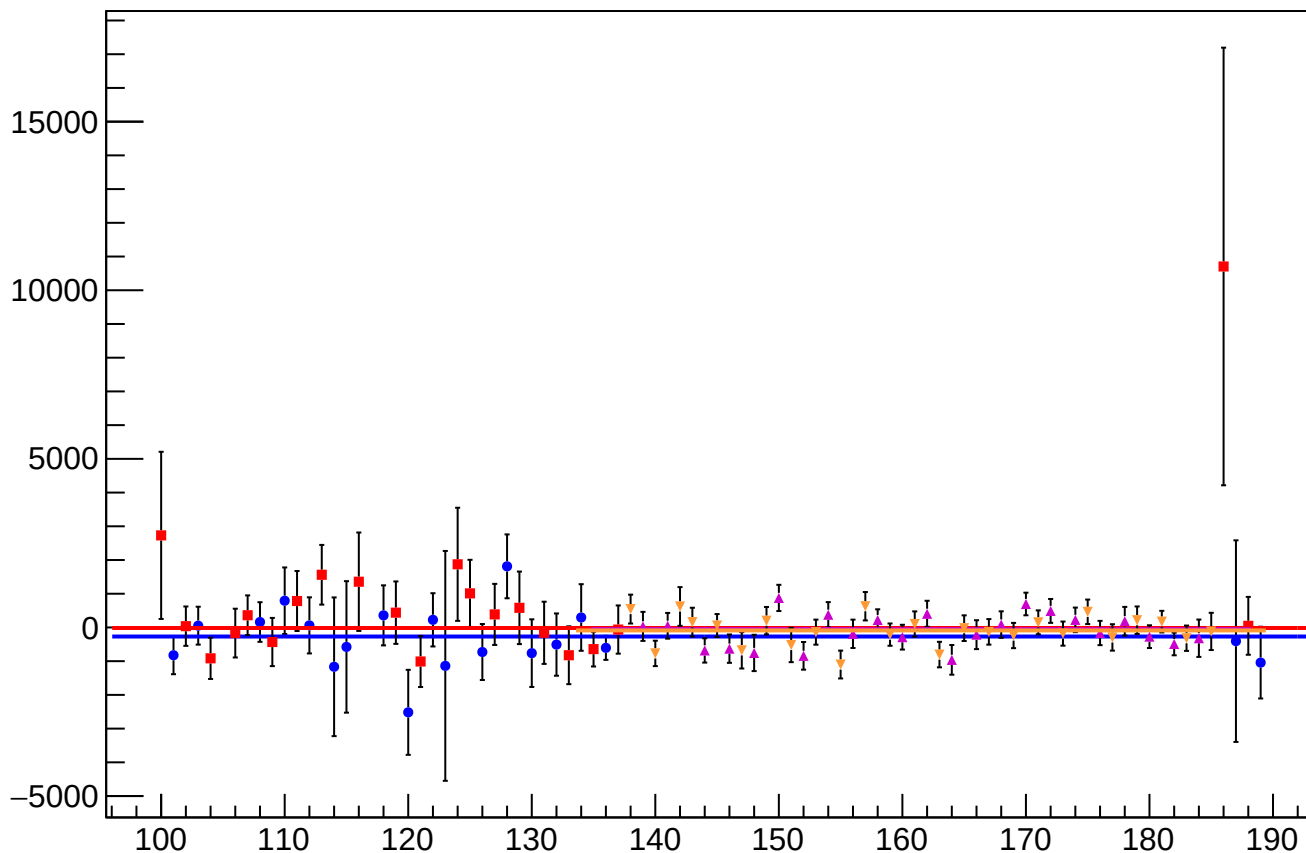
Right: 59.107+/-0.011 χ^2/NDF : 948957.8/39

In: 58.745+/-0.008 χ^2/NDF :472259.6/41

Out: 58.896+/-0.008 χ^2/NDF :711523.7/45

All: 58.823+/-0.006 χ^2/NDF : 1183952.1/87

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



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

Left: -68.585+/-56.239 χ^2/NDF : 63.2/47

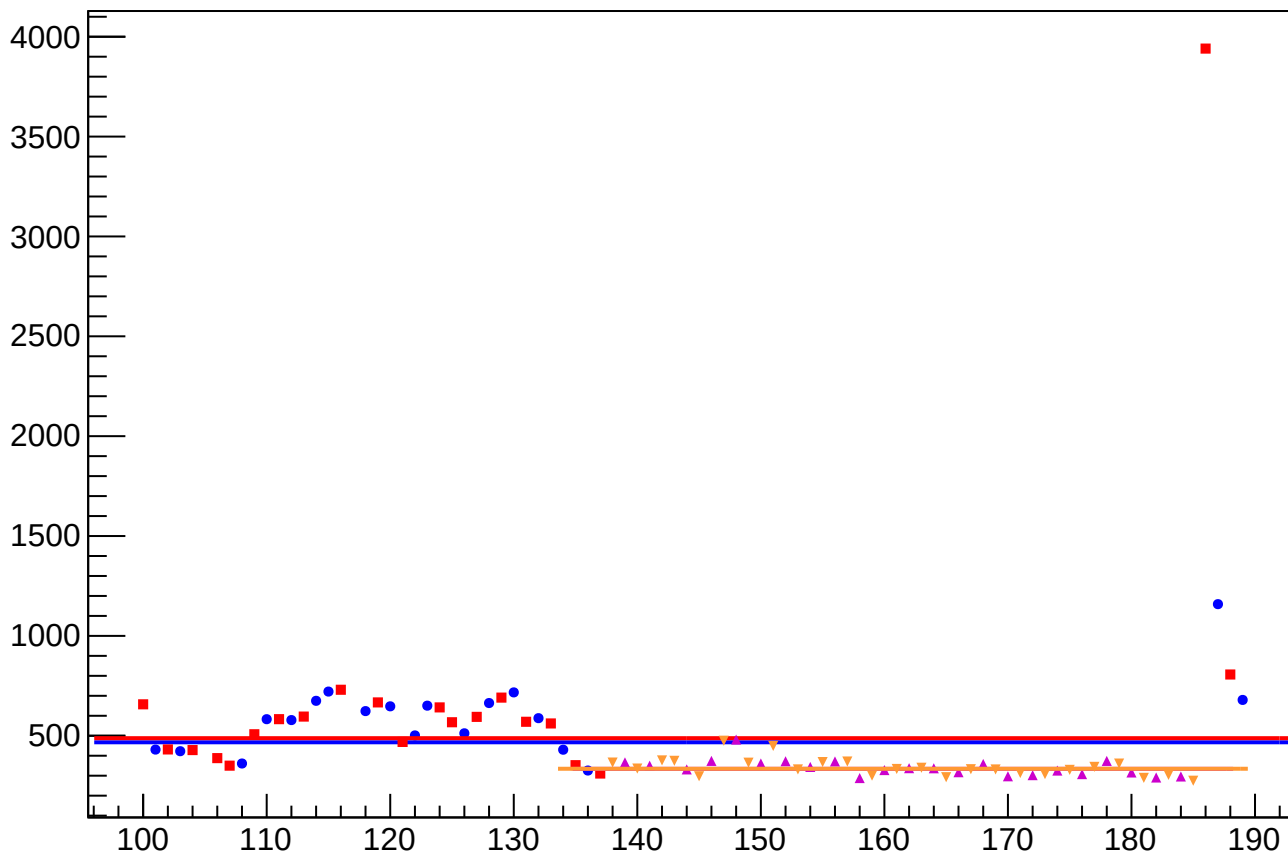
Right: -140.045+/-127.077 χ^2/NDF : 34.7/39

In: -85.011+/-73.614 χ^2/NDF : 51.2/41

Out: -75.786+/-71.876 χ^2/NDF : 46.9/45

All: -80.288+/-51.427 χ^2/NDF : 98.1/87

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 467.237 $\pm$ 0.128 χ^2 /NDF: 1070636.9/18

Left Out: 334.749 $\pm$ 0.056 χ^2 /NDF: 491370.4/24

Right Out: 487.852 $\pm$ 0.126 χ^2 /NDF: 1642231.9/20

Left In: 334.147 $\pm$ 0.057 χ^2 /NDF: 397200.6/22

Left: 334.455 $\pm$ 0.040 χ^2 /NDF: 888628.3/47

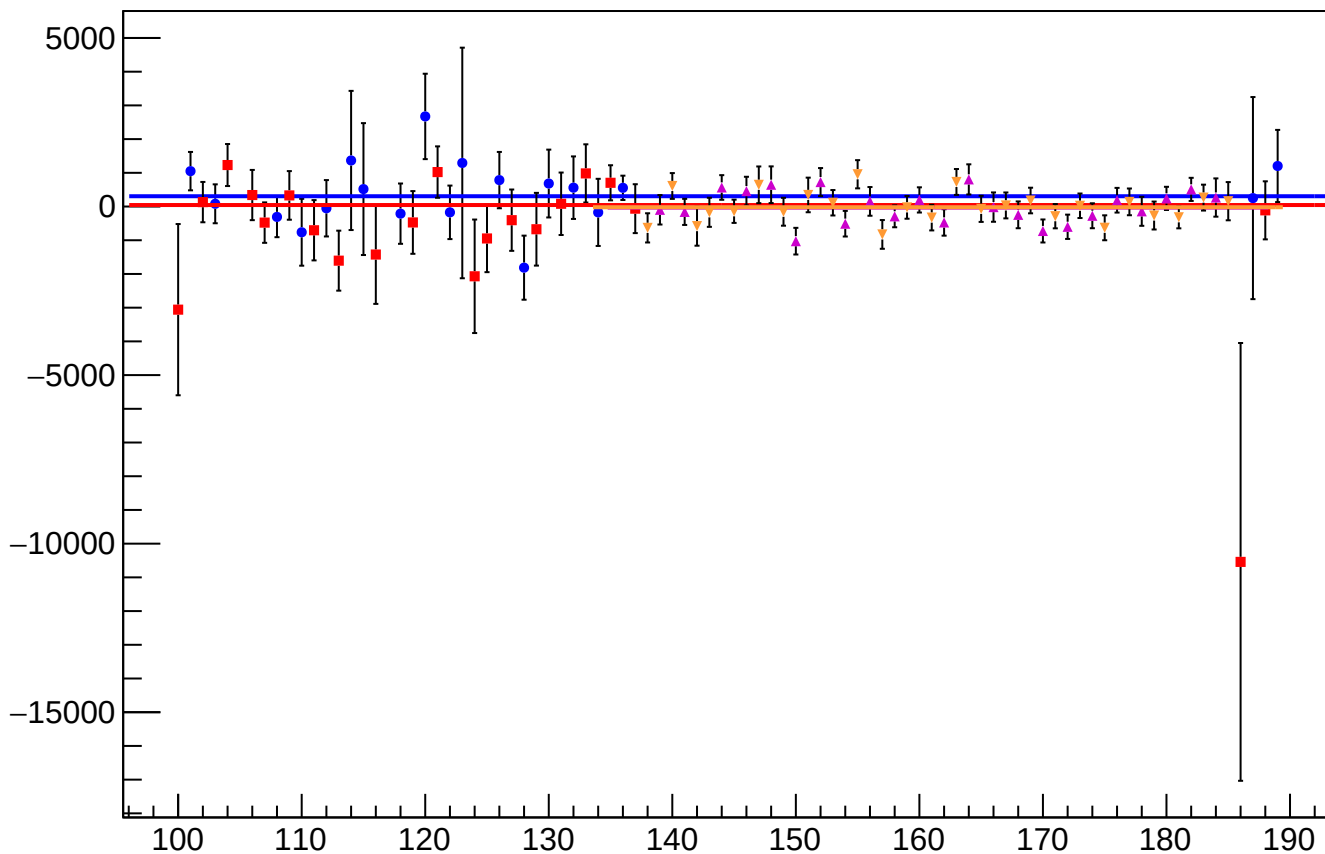
Right: 477.732 $\pm$ 0.090 χ^2 /NDF: 2726023.3/39

In: 356.073 $\pm$ 0.052 χ^2 /NDF: 2367401.9/41

Out: 359.682 $\pm$ 0.051 χ^2 /NDF: 3370793.3/45

All: 357.921 $\pm$ 0.036 χ^2 /NDF: 5740656.8/87

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 305.574 $\pm$ 183.472 χ^2 /NDF: 15.7/18

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 44.548 $\pm$ 180.240 χ^2 /NDF: 22.1/20

Left In: -31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

Left: -26.211 $\pm$ 57.139 χ^2 /NDF: 61.3/47

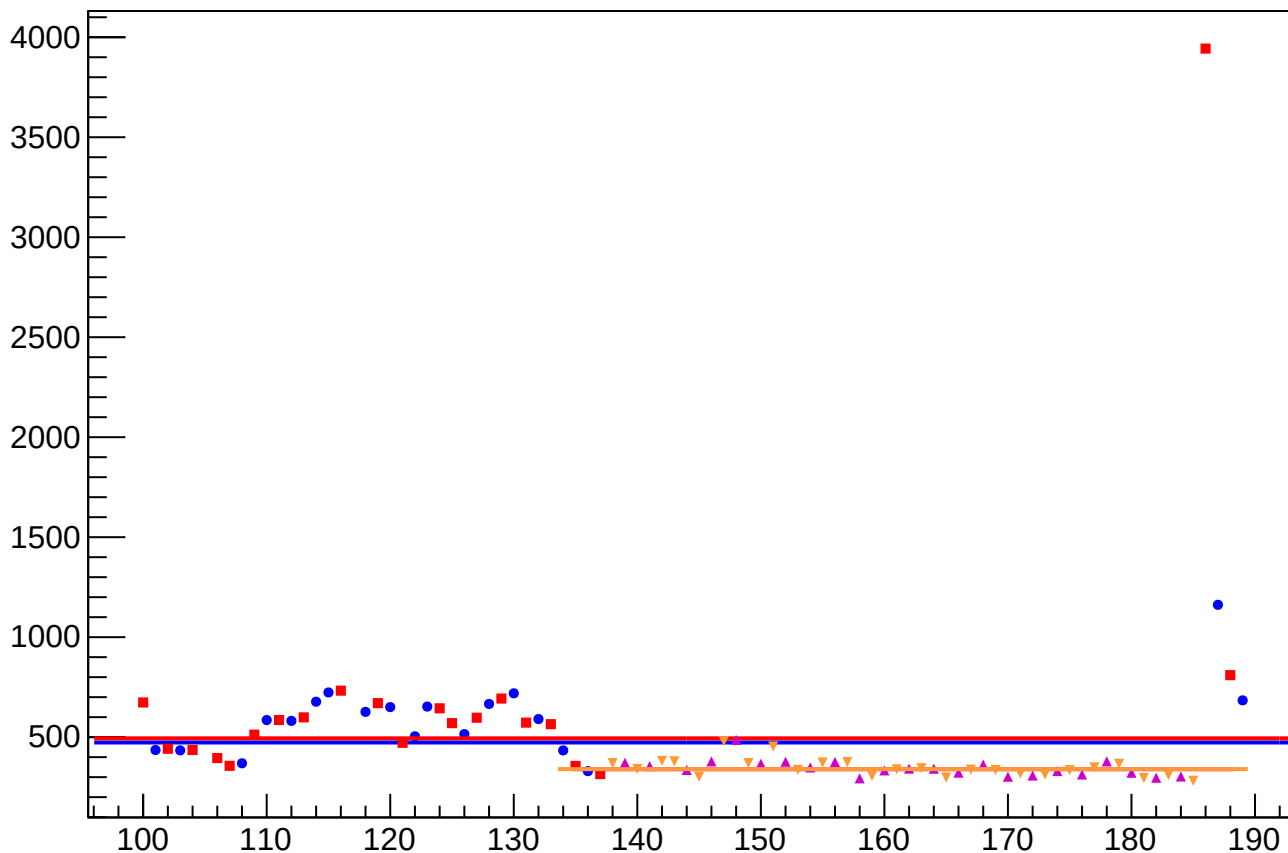
Right: 172.742 $\pm$ 128.576 χ^2 /NDF: 38.8/39

In: 24.187 $\pm$ 74.741 χ^2 /NDF:52.6/41

Out: -10.167 $\pm$ 72.977 χ^2 /NDF:49.4/45

All: 6.600 $\pm$ 52.215 χ^2 /NDF: 102.1/87

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left: 339.937+/-0.040 χ^2/NDF : 848729.8/47

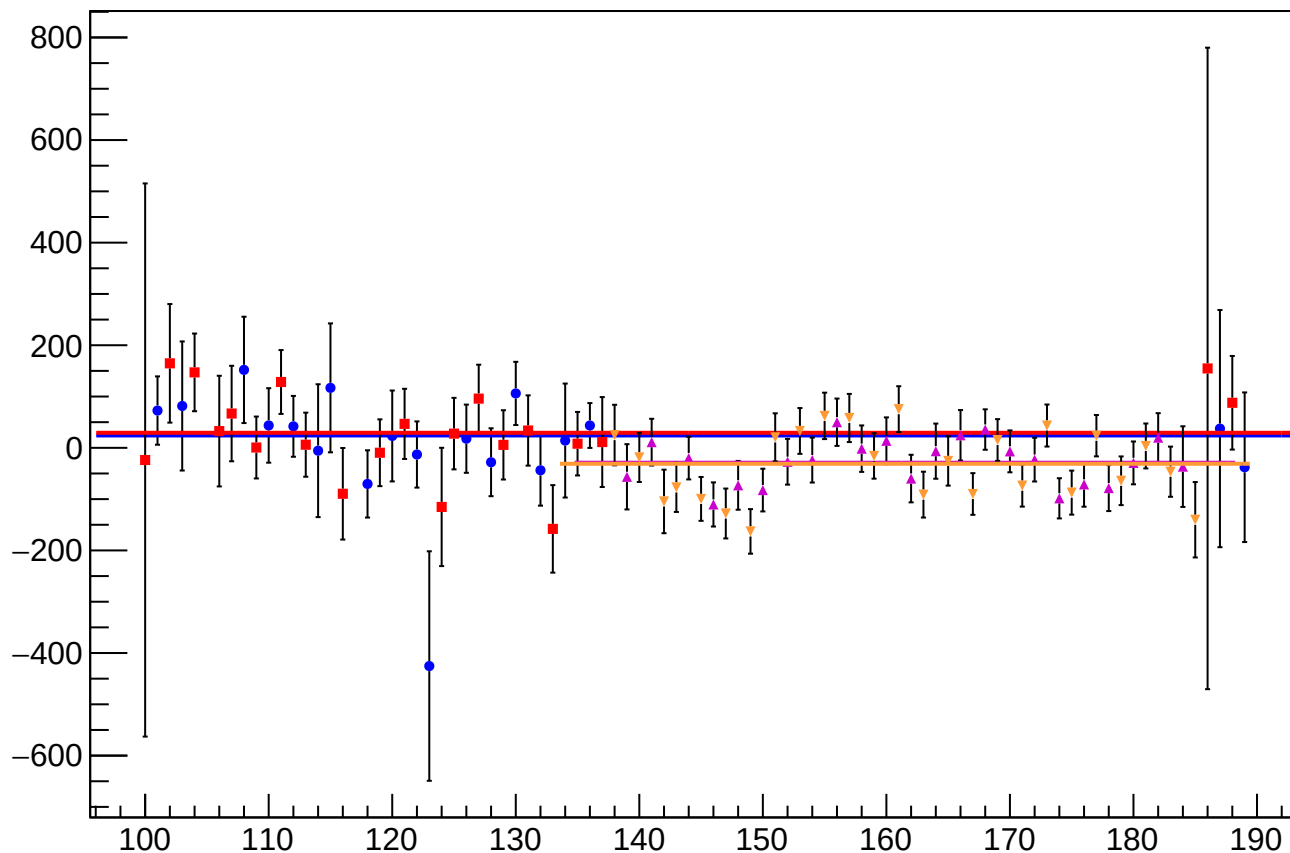
Right: 483.941+/-0.091 χ^2/NDF : 2652328.9/39

In: 361.809+/-0.053 χ^2/NDF : 2301343.5/41

Out: 365.475+/-0.052 χ^2/NDF : 3292270.8/45

All: 363.686+/-0.037 χ^2/NDF : 5596078.0/87

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left: -30.089 $\pm$ 6.581 χ^2/NDF : 75.1/47

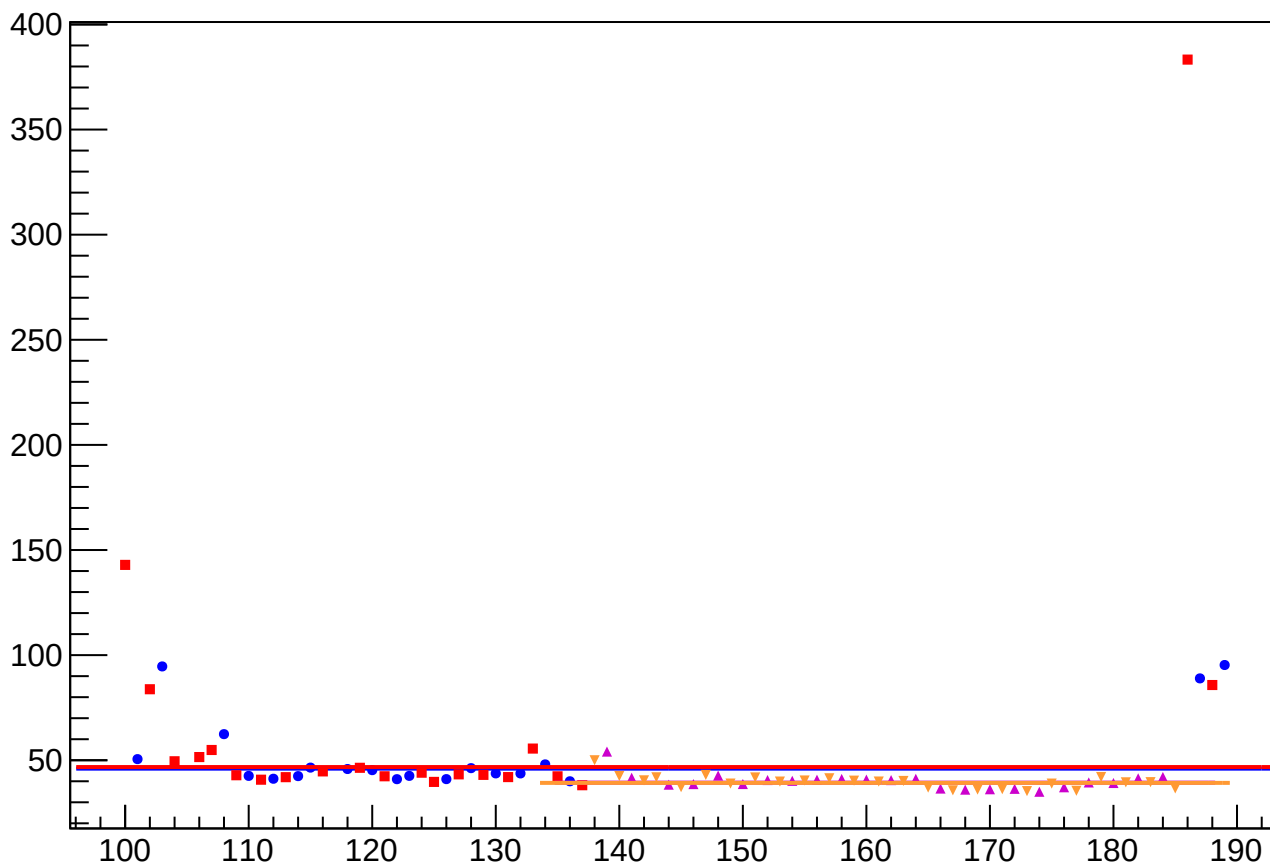
Right: 26.812 $\pm$ 12.301 χ^2/NDF : 30.5/39

In: -17.247 $\pm$ 8.335 χ^2/NDF : 42.7/41

Out: -17.600 $\pm$ 8.083 χ^2/NDF : 79.5/45

All: -17.429 $\pm$ 5.802 χ^2/NDF : 122.2/87

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left: 39.285 $\pm$ 0.005 χ^2 /NDF: 417755.0/47

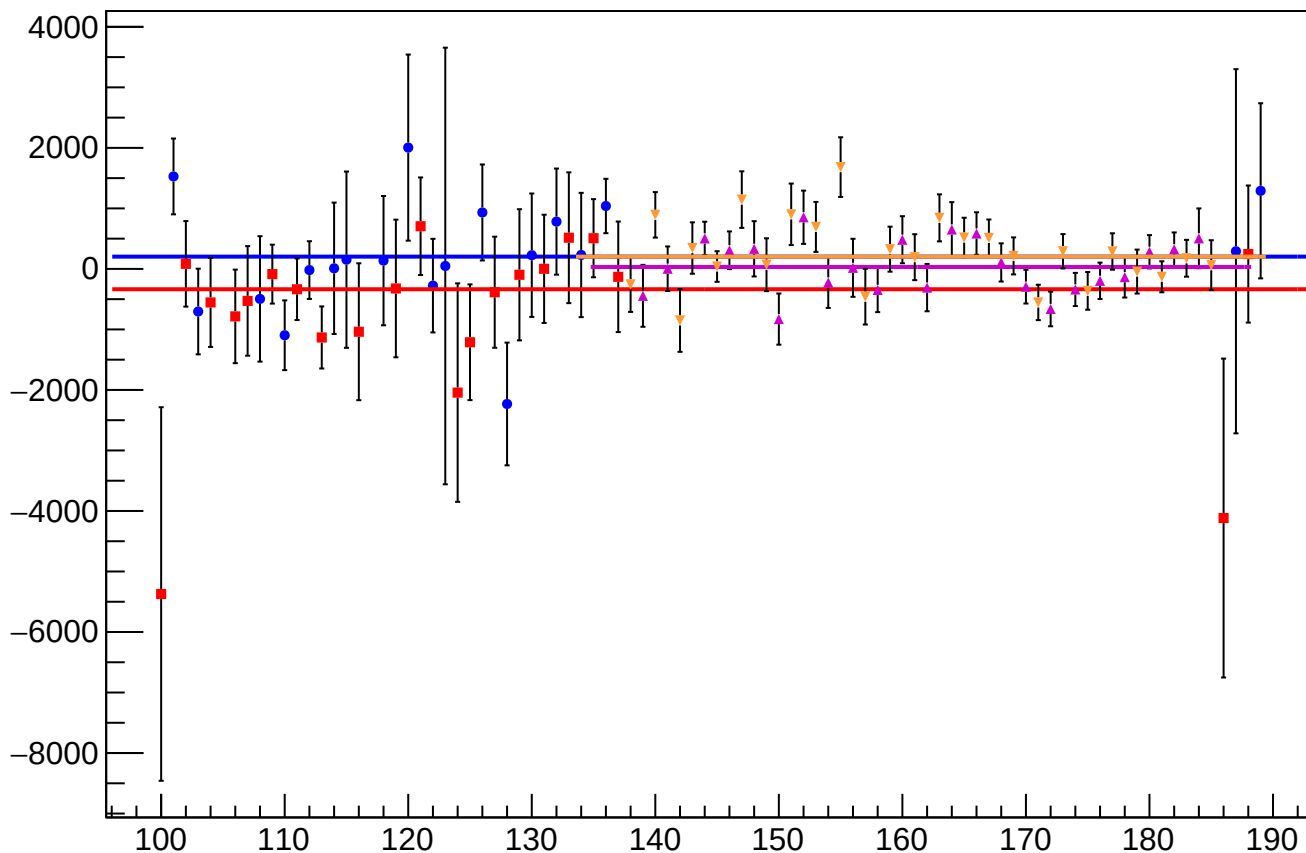
Right: 46.394 $\pm$ 0.009 χ^2 /NDF: 2121153.0/39

In: 40.819 $\pm$ 0.006 χ^2 /NDF: 1178754.0/41

Out: 40.912 $\pm$ 0.006 χ^2 /NDF: 1879292.6/45

All: 40.867 $\pm$ 0.004 χ^2 /NDF: 3058174.3/87

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 202.994 $\pm$ 187.088 χ^2 /NDF: 24.7/18

Left Out: 202.369 $\pm$ 70.426 χ^2 /NDF:44.8/24

Right Out: -335.998 $\pm$ 177.071 χ^2 /NDF: 14.8/20

Left In: 31.548 $\pm$ 72.100 χ^2 /NDF:33.4/22

Left: 118.965 $\pm$ 50.380 χ^2 /NDF: 81.1/47

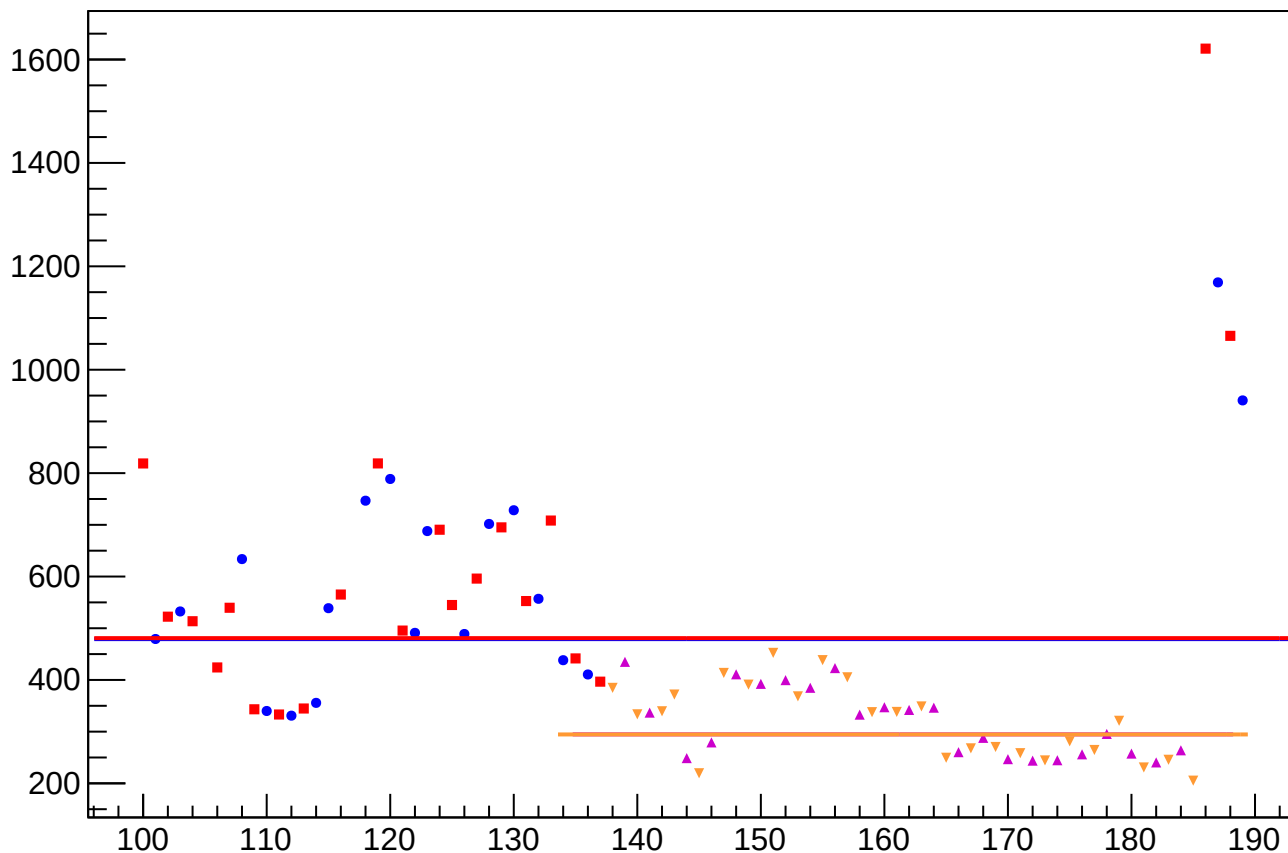
Right: -81.316 $\pm$ 128.604 χ^2 /NDF: 44.0/39

In: 53.718 $\pm$ 67.277 χ^2 /NDF:58.8/41

Out: 128.838 $\pm$ 65.440 χ^2 /NDF:67.6/45

All: 92.318 $\pm$ 46.909 χ^2 /NDF: 127.1/87

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



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

Left: 294.655+/-0.036 χ^2/NDF : 2977788.1/47

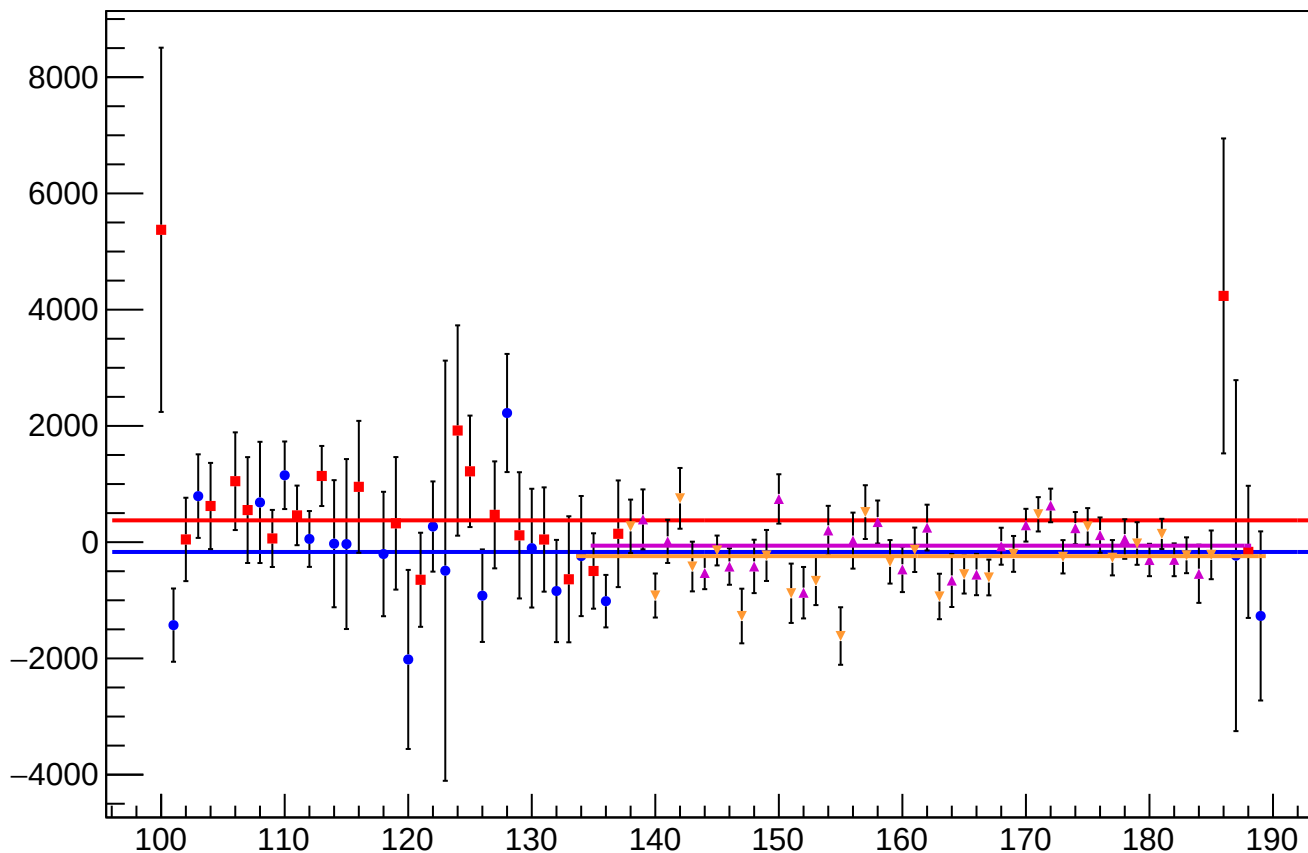
Right: 479.972+/-0.091 χ^2/NDF : 3089280.2/39

In: 318.548+/-0.048 χ^2/NDF : 4185082.2/41

Out: 320.033+/-0.046 χ^2/NDF : 5481882.3/45

All: 319.311+/-0.033 χ^2/NDF : 9667465.3/87

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -168.564 $\pm$ 188.243 χ^2 /NDF: 24.7/18

Left Out: -240.357 $\pm$ 71.100 χ^2 /NDF:42.9/24

Right Out: 375.246 $\pm$ 178.912 χ^2 /NDF: 14.7/20

Left In: -60.330 $\pm$ 72.788 χ^2 /NDF:30.9/22

Left: -152.455 $\pm$ 50.862 χ^2 /NDF: 77.0/47

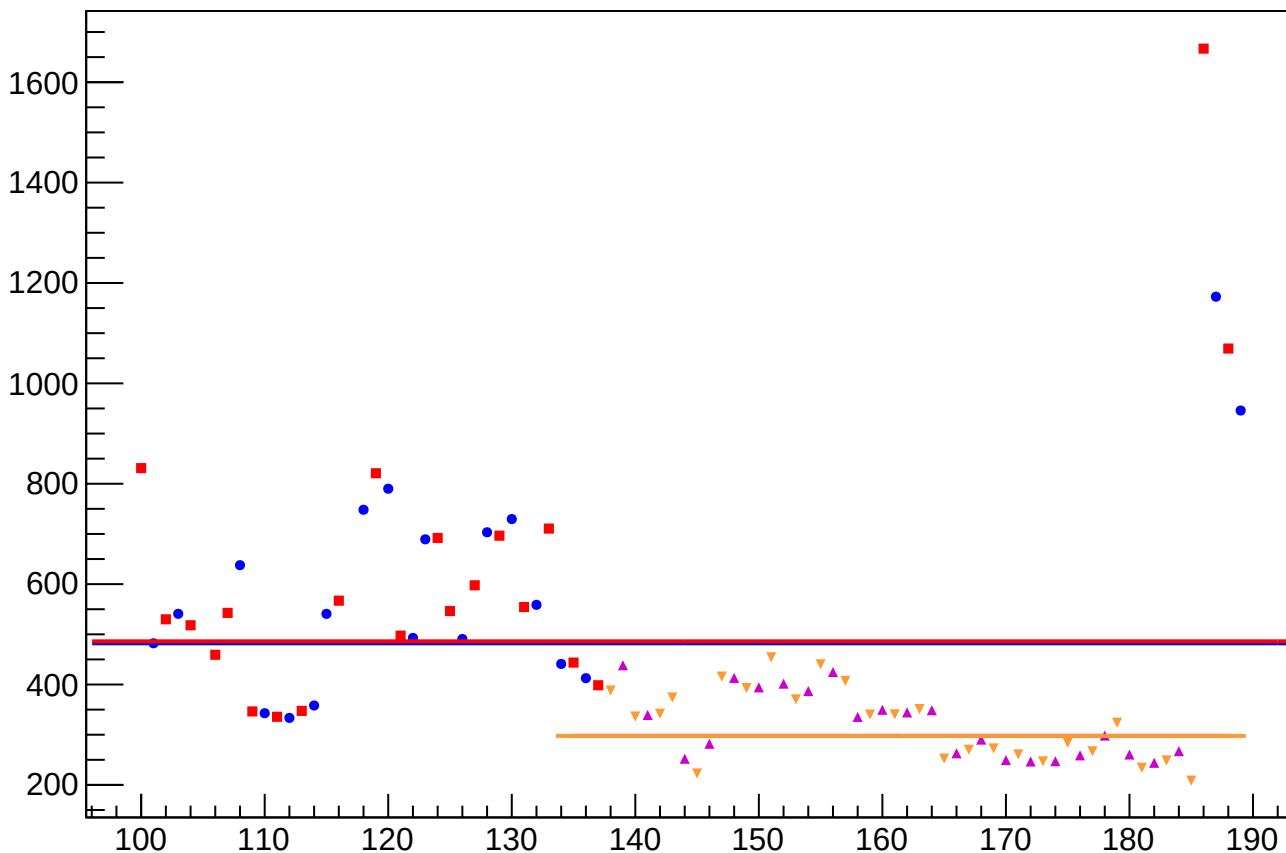
Right: 117.154 $\pm$ 129.683 χ^2 /NDF: 43.8/39

In: -74.407 $\pm$ 67.890 χ^2 /NDF:55.9/41

Out: -156.394 $\pm$ 66.074 χ^2 /NDF:67.9/45

All: -116.512 $\pm$ 47.350 χ^2 /NDF: 124.5/87

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left: 297.655+/-0.036 χ^2/NDF : 2904065.4/47

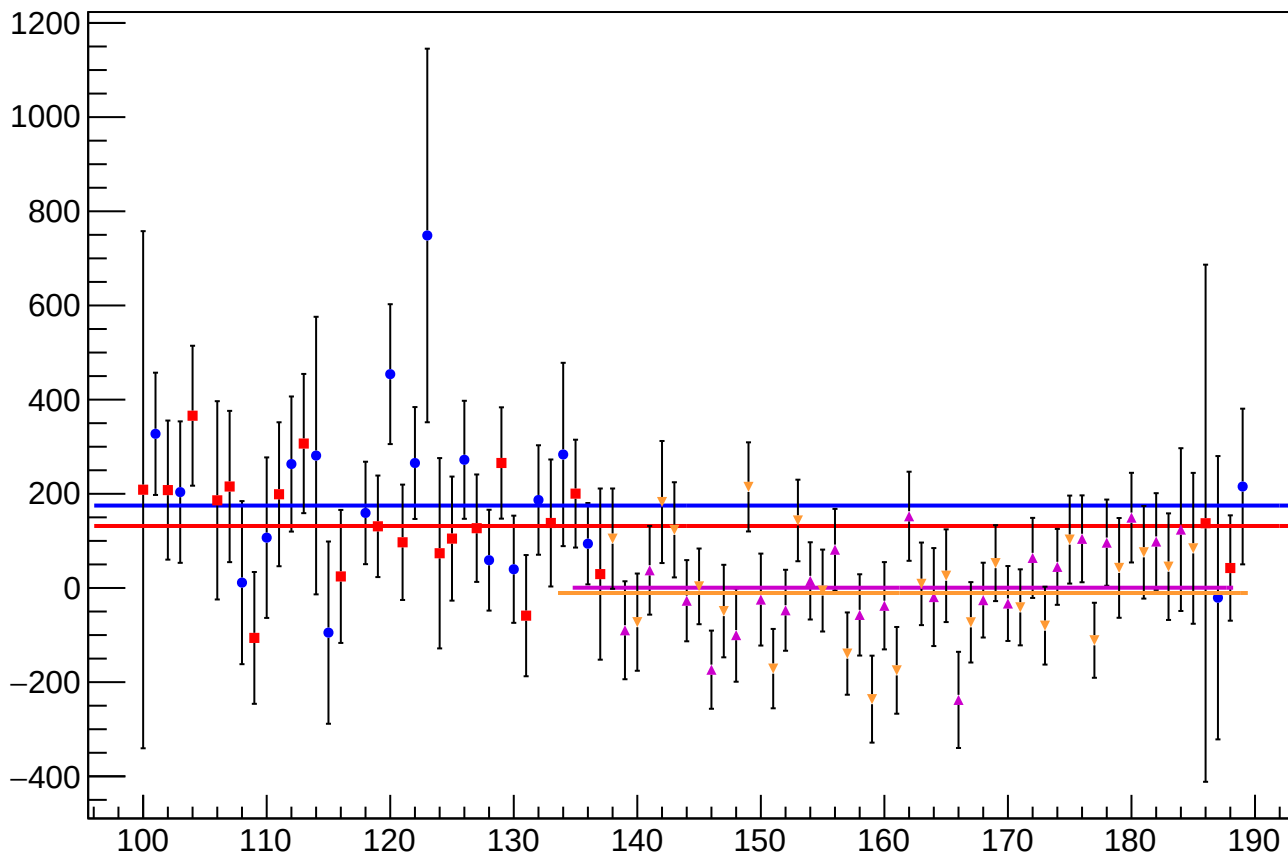
Right: 484.183+/-0.092 χ^2/NDF : 3064817.3/39

In: 321.686+/-0.048 χ^2/NDF : 4125631.7/41

Out: 323.313+/-0.047 χ^2/NDF : 5428698.4/45

All: 322.522+/-0.033 χ^2/NDF : 9554919.8/87

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left: -5.190 $\pm$ -13.326 χ^2 /NDF: 60.3/47

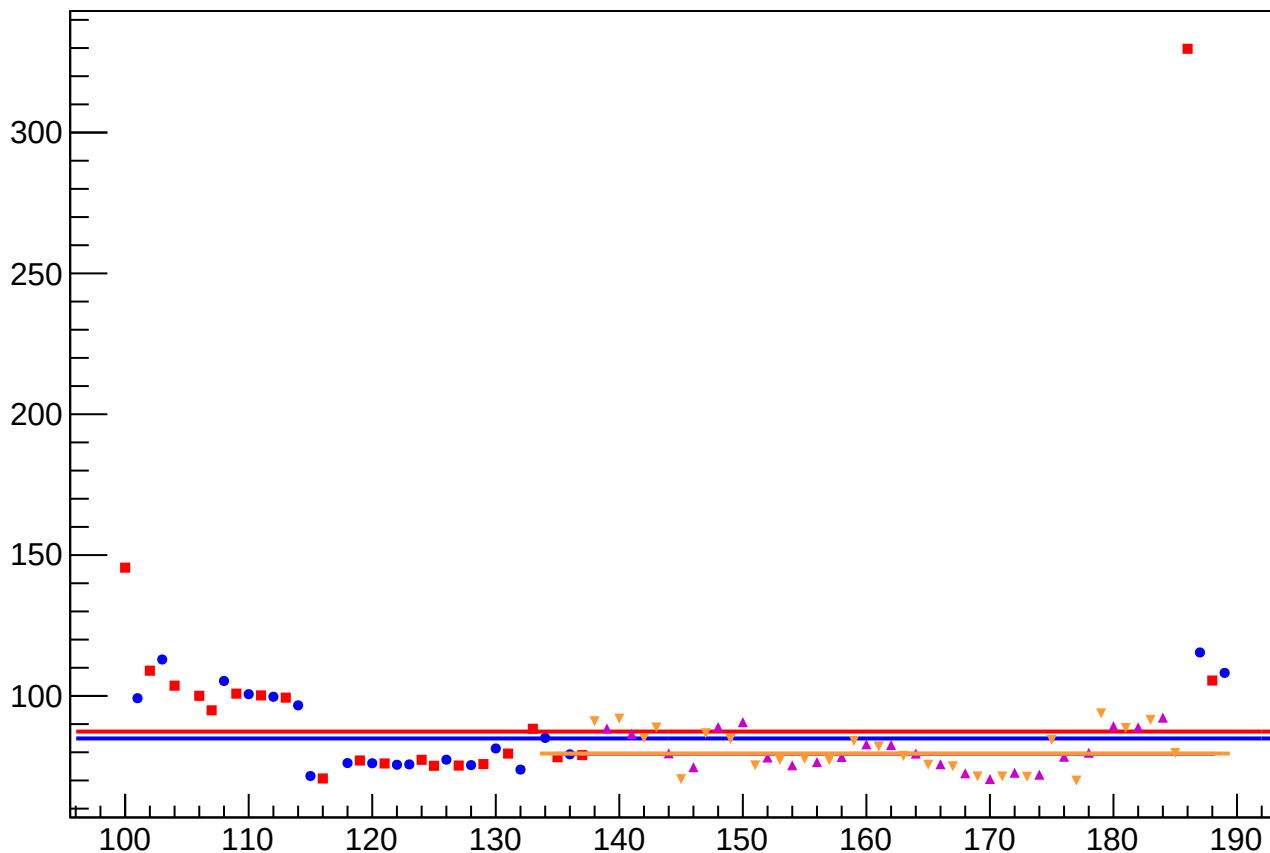
Right: 152.717 $\pm$ -22.311 χ^2 /NDF: 30.1/39

In: 46.326 $\pm$ -16.398 χ^2 /NDF:61.7/41

Out: 26.850 $\pm$ -15.970 χ^2 /NDF:64.9/45

All: 36.330 $\pm$ -11.441 χ^2 /NDF: 127.3/87

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left: 79.495+/-0.009 χ^2/NDF : 521552.2/47

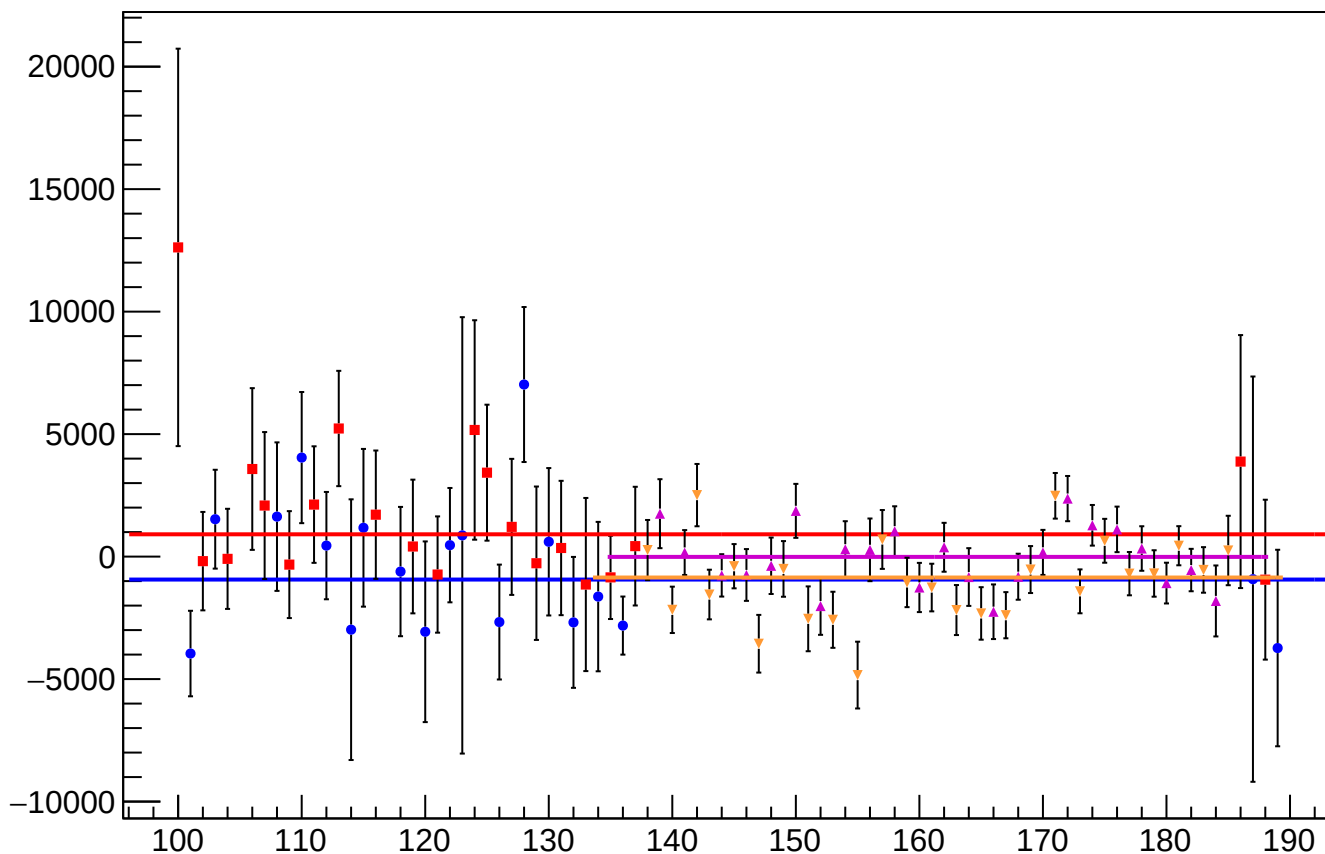
Right: 86.166+/-0.016 χ^2/NDF : 1063259.6/39

In: 80.870+/-0.012 χ^2/NDF : 572979.6/41

Out: 81.609+/-0.011 χ^2/NDF : 1141517.8/45

All: 81.249+/-0.008 χ^2/NDF : 1716579.9/87

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -937.016+/-576.986 χ^2/NDF : 21.0/18

Left Out: -854.130+/-204.090 χ^2/NDF : 56.0/24

Right Out: 910.425+/-577.123 χ^2/NDF : 12.0/20

Left In: -11.687+/-210.073 χ^2/NDF : 31.2/22

Left: -445.076+/-146.383 χ^2/NDF : 95.5/47

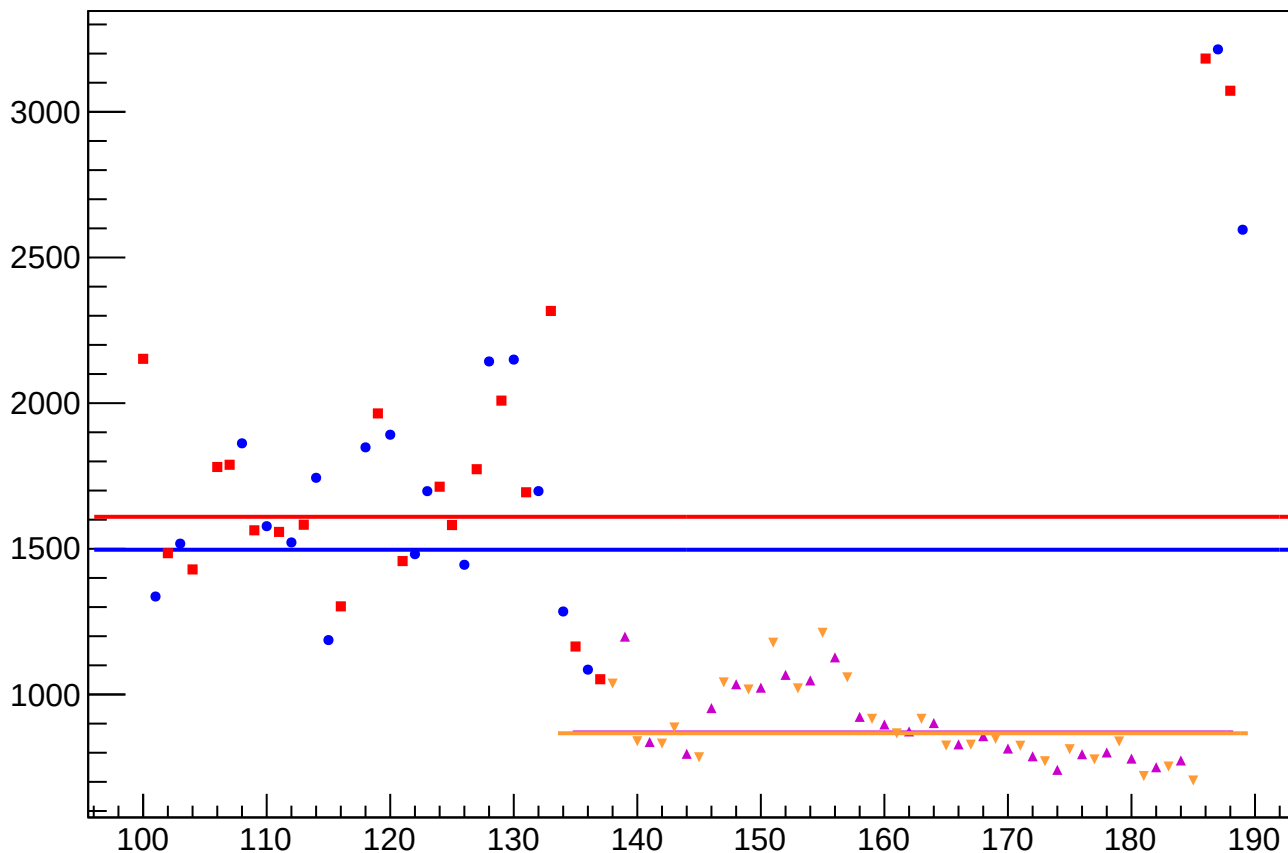
Right: -13.514+/-408.039 χ^2/NDF : 38.1/39

In: -119.991+/-197.397 χ^2/NDF : 54.5/41

Out: -657.989+/-192.413 χ^2/NDF : 76.3/45

All: -395.867+/-137.785 χ^2/NDF : 134.6/87

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



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

Left: 868.192 $\pm$ 0.104 χ^2 /NDF: 1244180.7/47

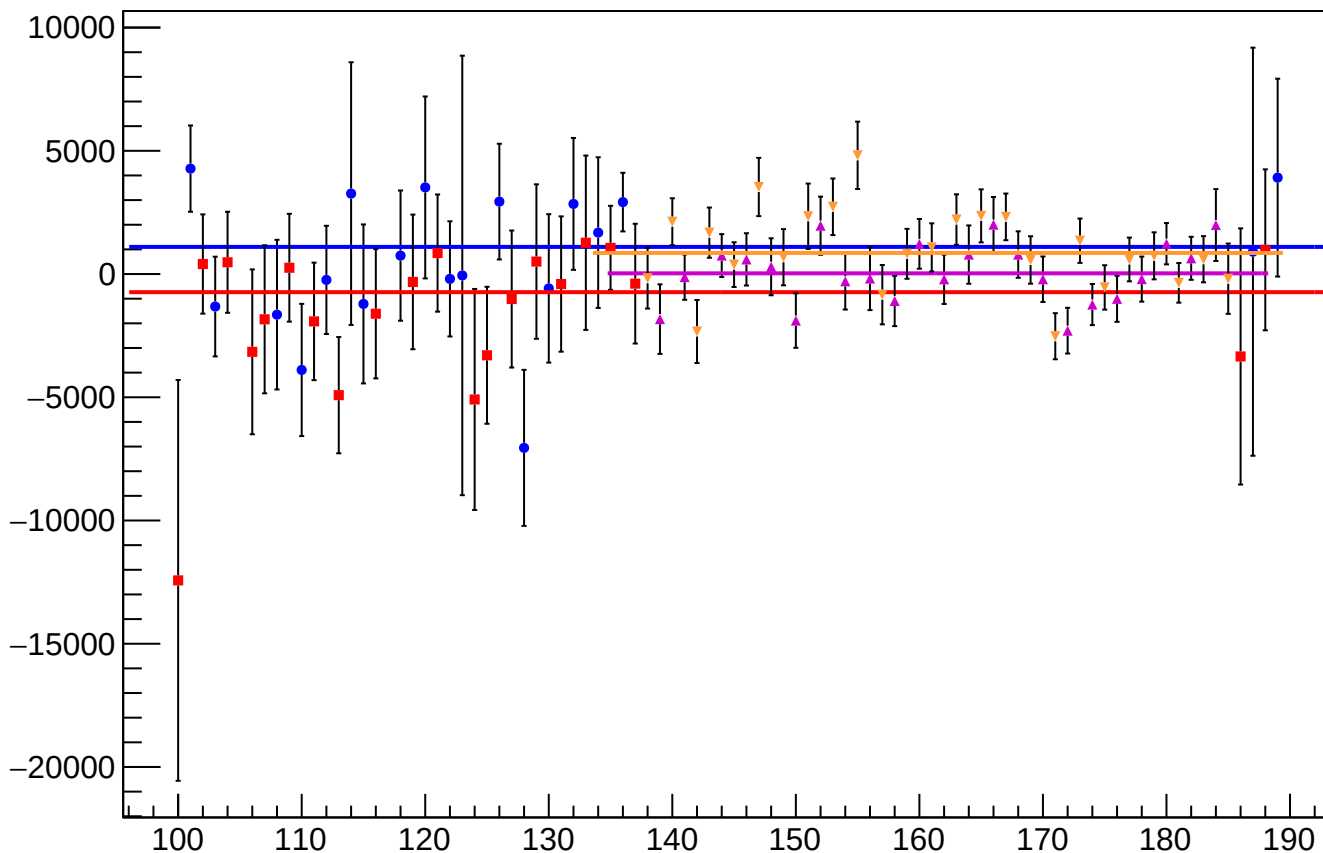
Right: 1553.352 $\pm$ 0.289 χ^2 /NDF: 1915357.6/39

In: 942.985 $\pm$ 0.140 χ^2 /NDF: 3476887.2/41

Out: 949.483 $\pm$ 0.136 χ^2 /NDF: 4677643.1/45

All: 946.318 $\pm$ 0.097 χ^2 /NDF: 8155641.6/87

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left: 454.007+/-147.061 χ^2/NDF : 91.7/47

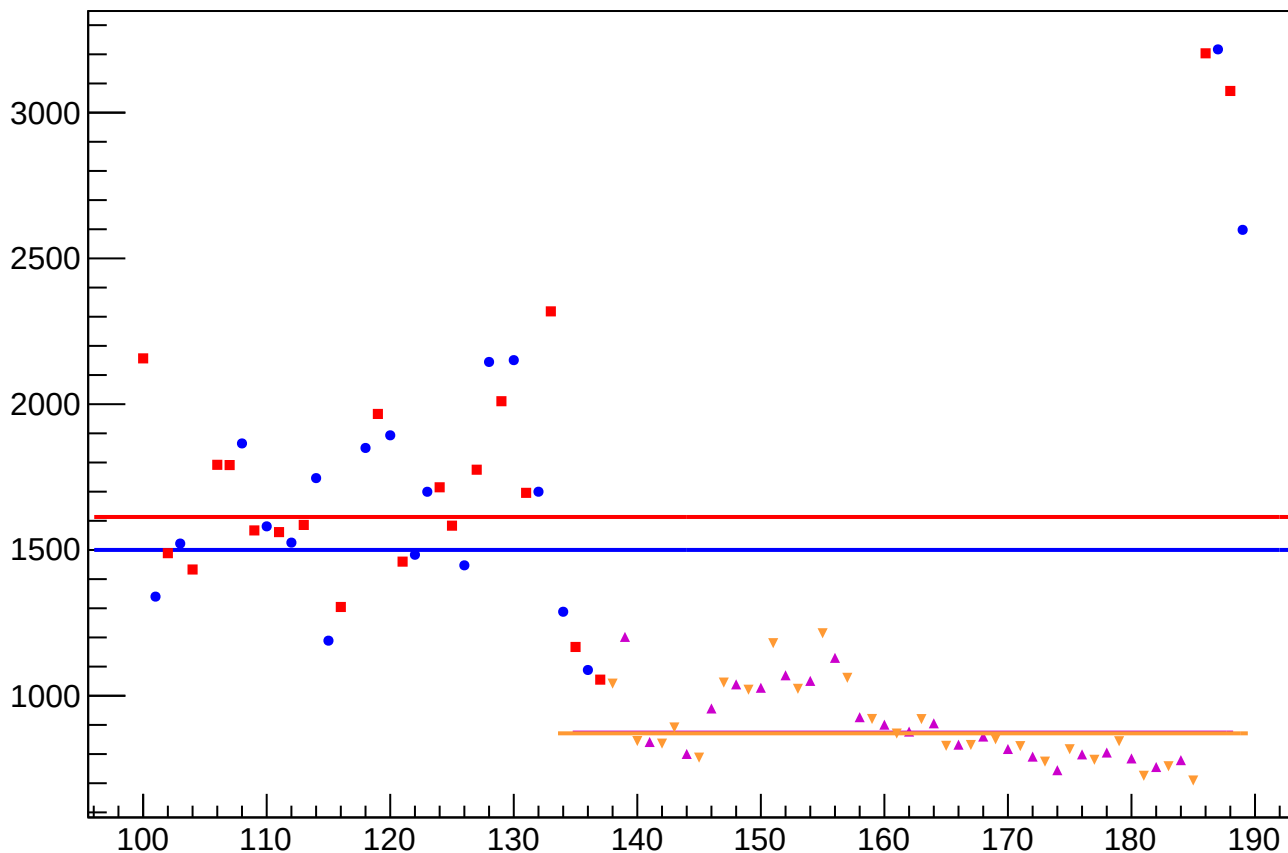
Right: 183.320+/-408.913 χ^2/NDF : 38.3/39

In: 154.674+/-198.241 χ^2/NDF : 54.5/41

Out: 678.031+/-193.263 χ^2/NDF : 72.3/45

All: 423.006+/-138.384 χ^2/NDF : 130.3/87

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1500.153 $\pm$ 0.409 χ^2/NDF : 803393.4/18

Left Out: 871.109 $\pm$ 0.145 χ^2/NDF : 651751.1/24

Right Out: 1613.196 $\pm$ 0.409 χ^2/NDF : 1067880.7/20

Left In: 873.675 $\pm$ 0.149 χ^2/NDF : 573822.5/22

Left: 872.355 $\pm$ 0.104 χ^2/NDF : 1225725.6/47

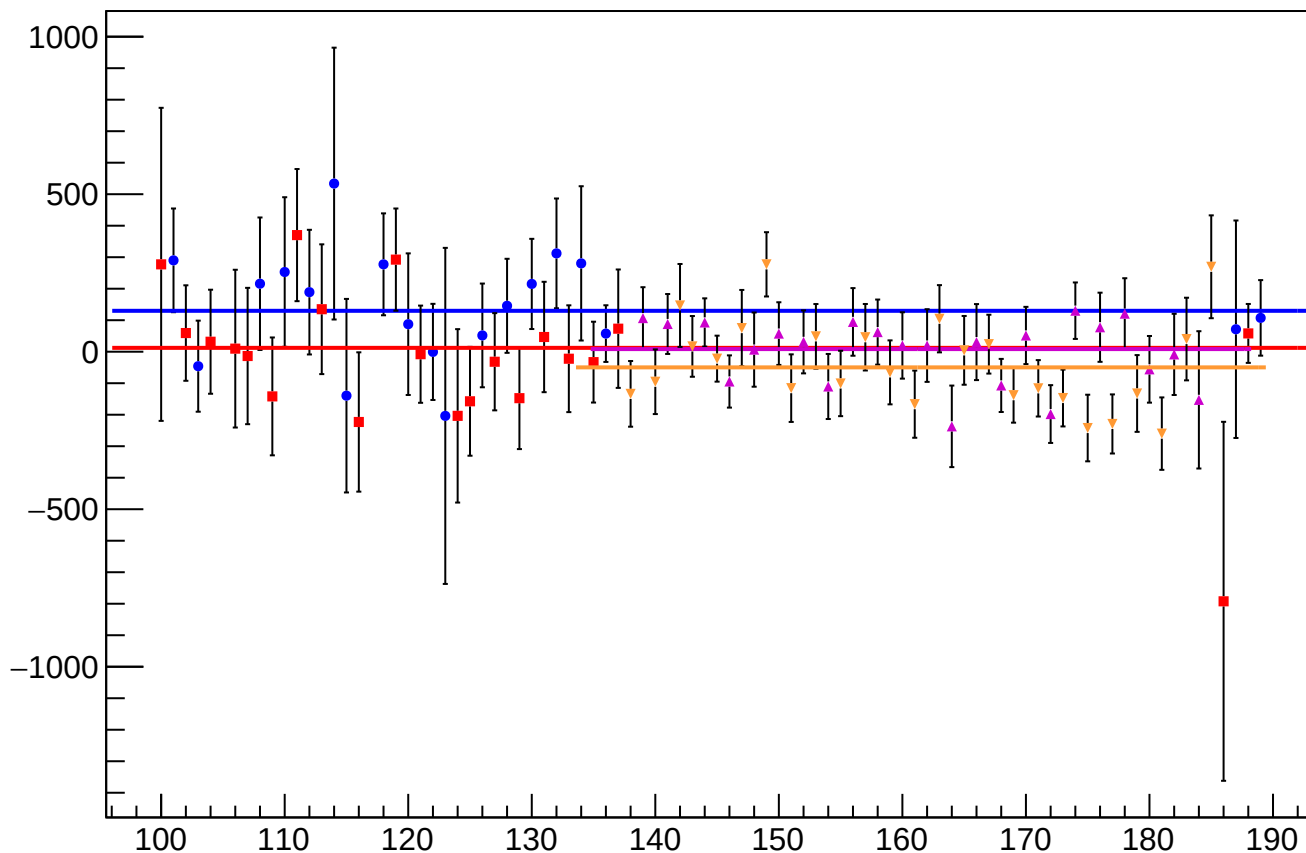
Right: 1556.650 $\pm$ 0.289 χ^2/NDF : 1909485.5/39

In: 947.328 $\pm$ 0.140 χ^2/NDF : 3449356.9/41

Out: 953.955 $\pm$ 0.137 χ^2/NDF : 4644108.5/45

All: 950.725 $\pm$ 0.098 χ^2/NDF : 8094611.3/87

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left: -21.646 $\pm$ 14.791 χ^2 /NDF: 65.3/47

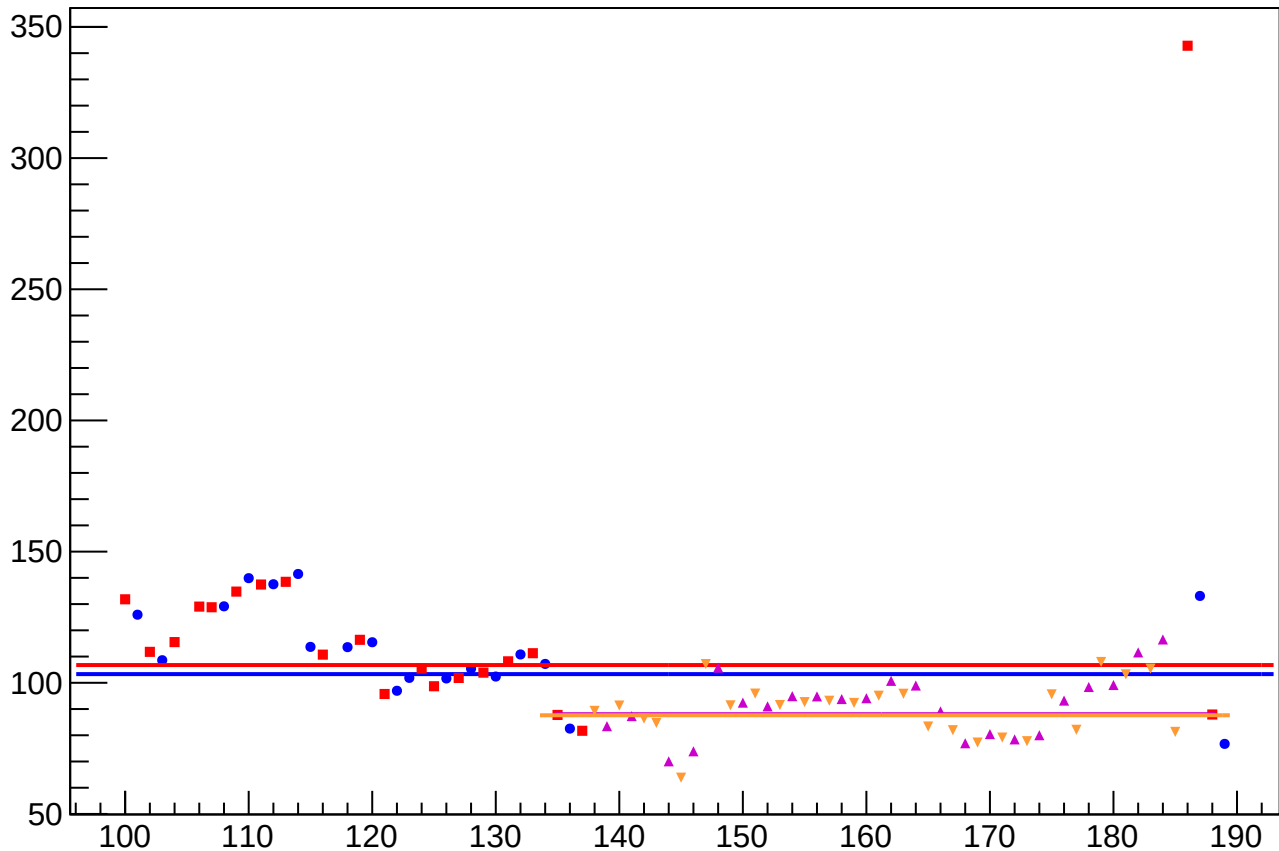
Right: 69.094 $\pm$ 27.210 χ^2 /NDF: 27.7/39

In: 36.049 $\pm$ 18.689 χ^2 /NDF:38.8/41

Out: -35.580 $\pm$ 18.081 χ^2 /NDF:55.1/45

All: -0.950 $\pm$ 12.995 χ^2 /NDF: 101.5/87

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 103.311+/-0.028 χ^2/NDF : 438311.9/18

Left Out: 87.625+/-0.015 χ^2/NDF : 554690.7/24

Right Out: 106.764+/-0.027 χ^2/NDF : 715227.1/20

Left In: 88.032+/-0.015 χ^2/NDF : 523710.9/22

Left: 87.822+/-0.010 χ^2/NDF : 1078779.2/47

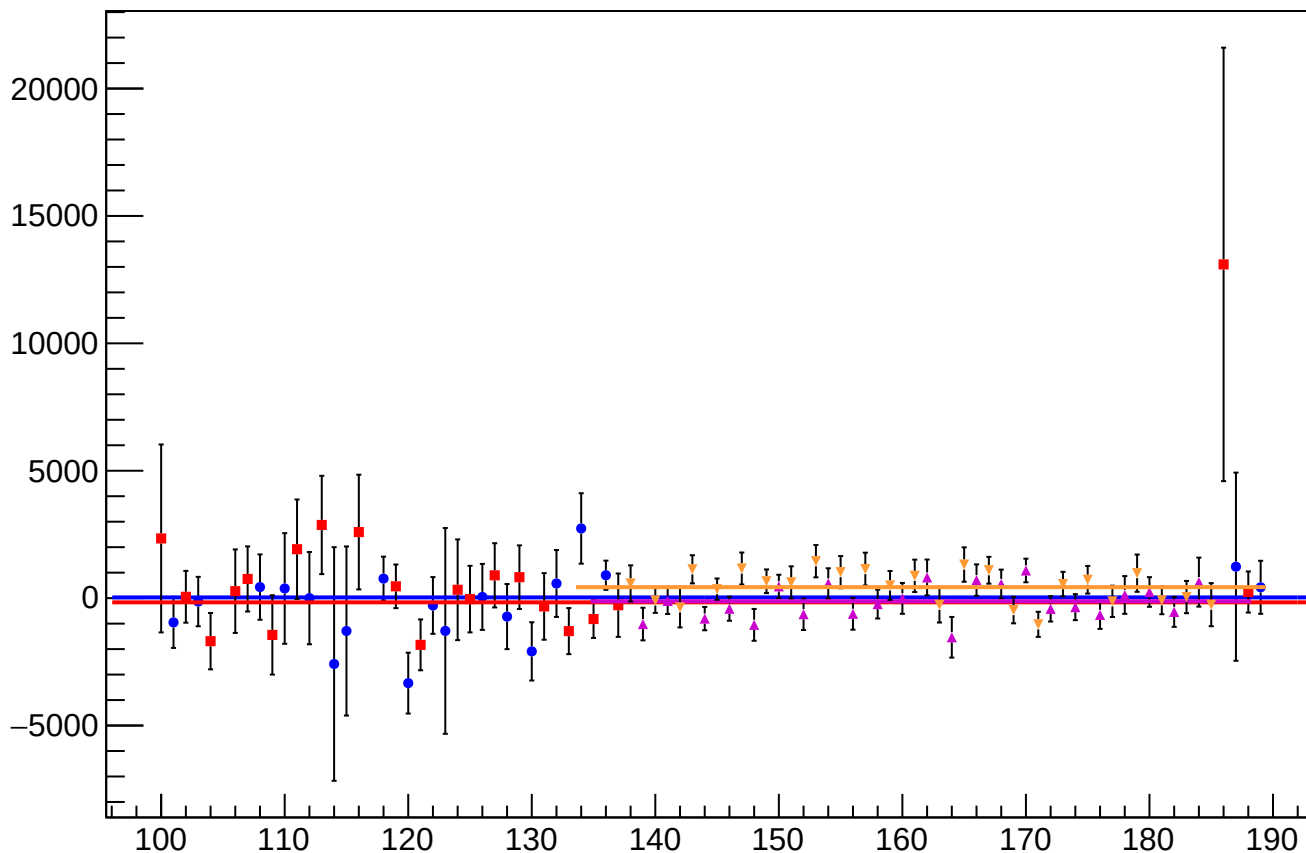
Right: 105.095+/-0.019 χ^2/NDF : 1161585.2/39

In: 91.516+/-0.013 χ^2/NDF : 1197333.8/41

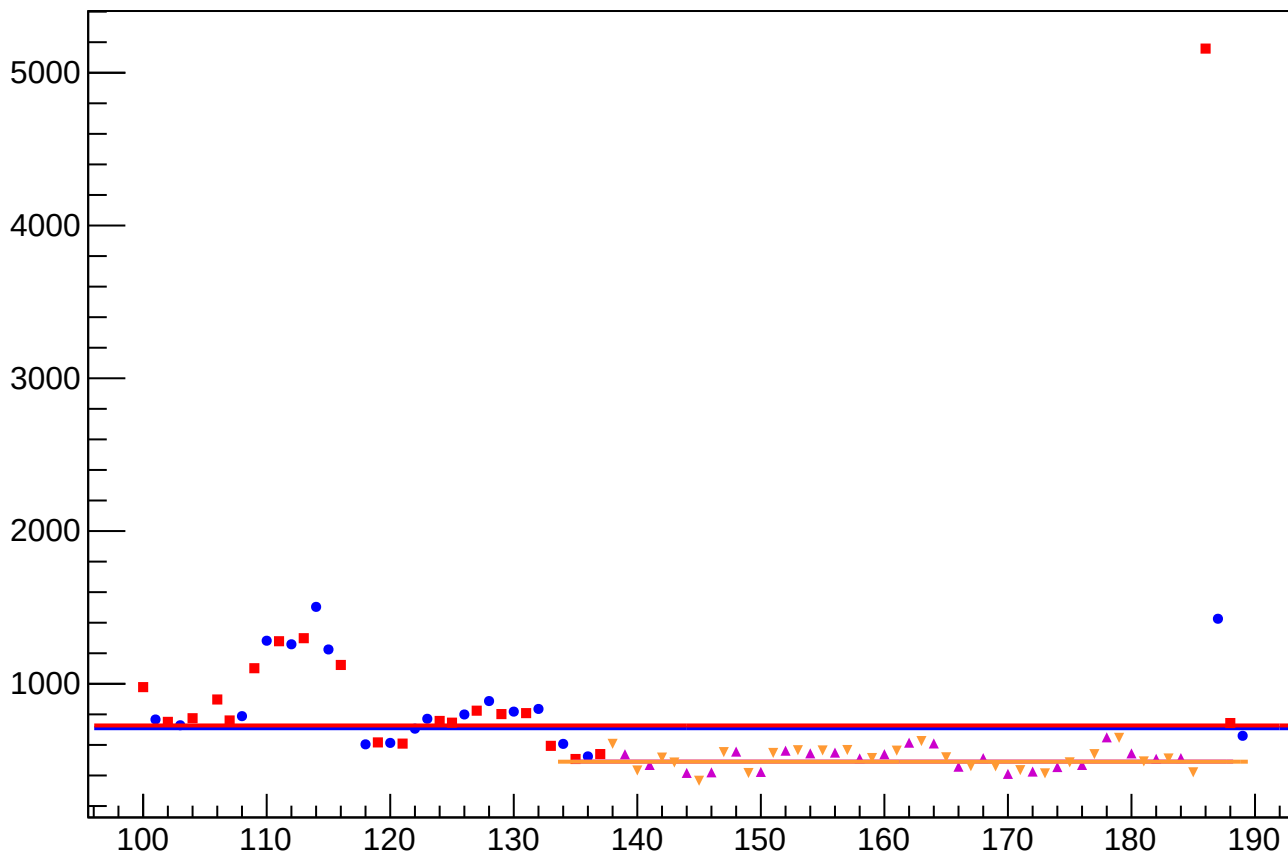
Out: 91.991+/-0.013 χ^2/NDF : 1664488.9/45

All: 91.762+/-0.009 χ^2/NDF : 2862489.8/87

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



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

Left: 490.580 $\pm$ 0.059 χ^2 /NDF: 1339542.5/47

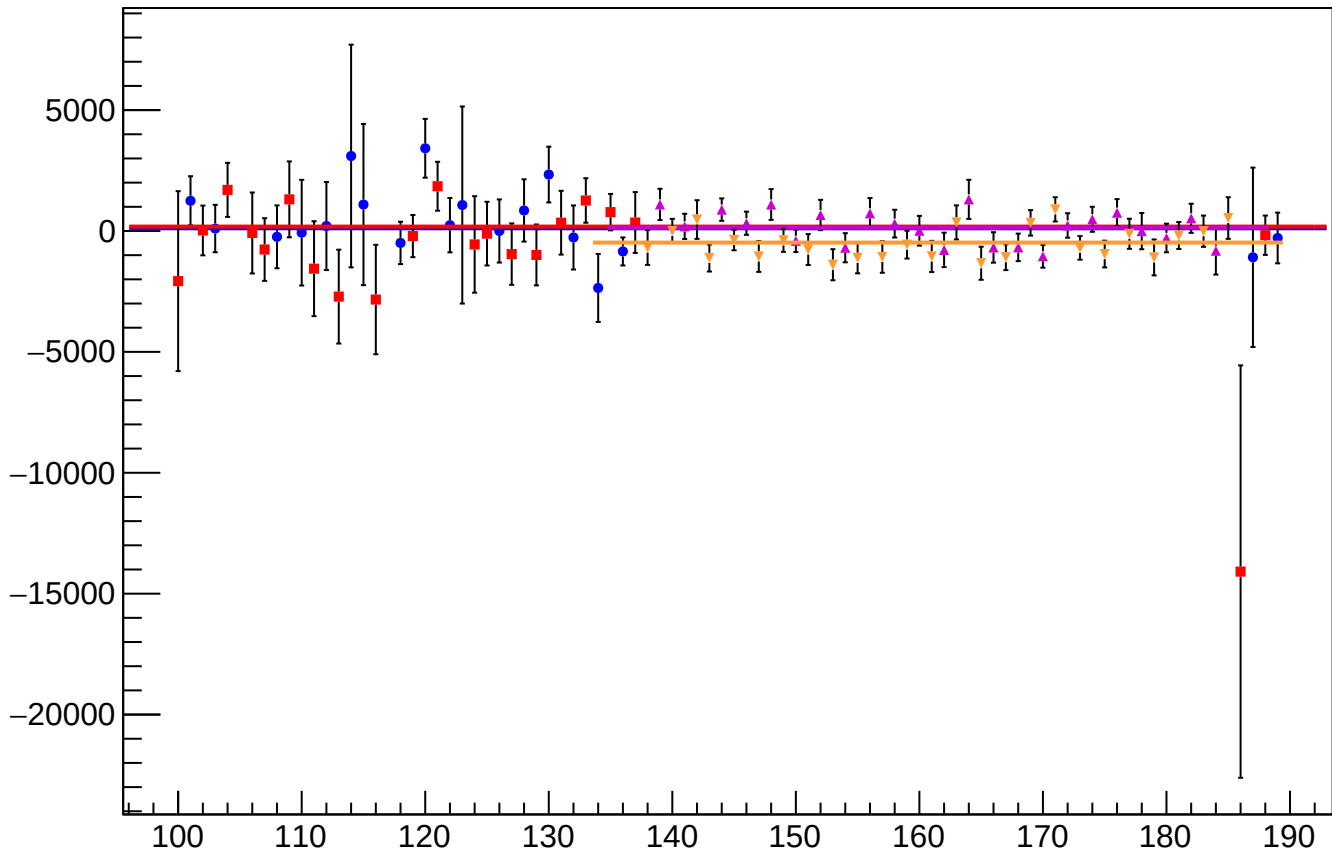
Right: 718.681 $\pm$ 0.134 χ^2 /NDF: 2324260.3/39

In: 525.616 $\pm$ 0.077 χ^2 /NDF: 2536107.4/41

Out: 528.347 $\pm$ 0.075 χ^2 /NDF: 3545659.4/45

All: 527.019 $\pm$ 0.054 χ^2 /NDF: 6082411.8/87

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left: -181.037 $\pm$ 84.308 χ^2 /NDF: 70.5/47

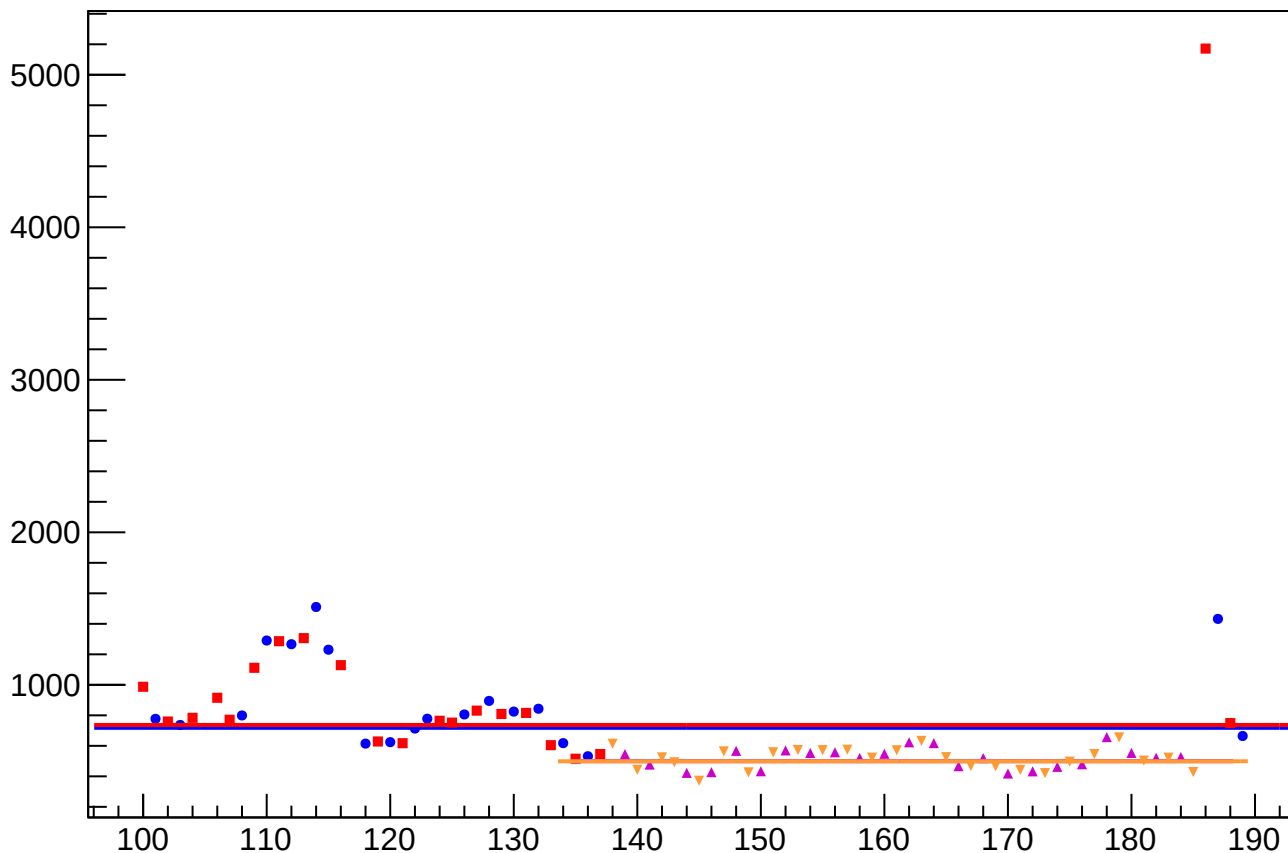
Right: 147.923 $\pm$ 192.440 χ^2 /NDF: 37.9/39

In: 129.194 $\pm$ 110.761 χ^2 /NDF:49.6/41

Out: -371.397 $\pm$ 107.721 χ^2 /NDF:50.8/45

All: -128.065 $\pm$ 77.223 χ^2 /NDF: 110.9/87

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left: 499.065 $\pm$ 0.060 χ^2 /NDF: 1310870.7/47

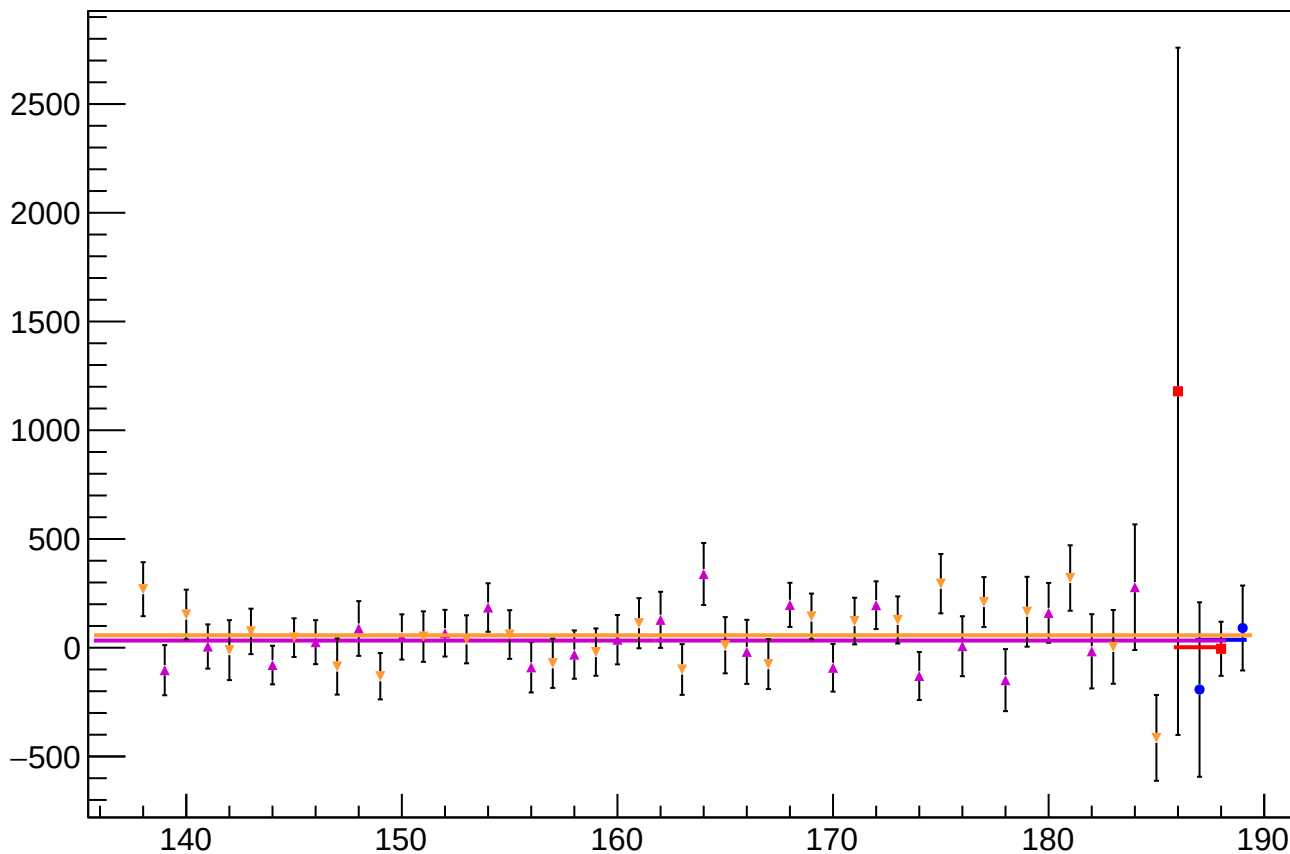
Right: 727.903 $\pm$ 0.136 χ^2 /NDF: 2288460.6/39

In: 534.461 $\pm$ 0.078 χ^2 /NDF: 2485208.9/41

Out: 537.289 $\pm$ 0.076 χ^2 /NDF: 3486166.8/45

All: 535.914 $\pm$ 0.055 χ^2 /NDF: 5972045.5/87

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 36.446 $\pm$ 175.597 χ^2 /NDF: 0.4/1

Left Out: 57.211 $\pm$ 23.714 χ^2 /NDF:29.2/24

Right Out: 2.318 $\pm$ 124.048 χ^2 /NDF: 0.6/1

Left In: 32.948 $\pm$ 24.587 χ^2 /NDF:23.6/22

Left: 45.518 $\pm$ 17.069 χ^2 /NDF: 53.3/47

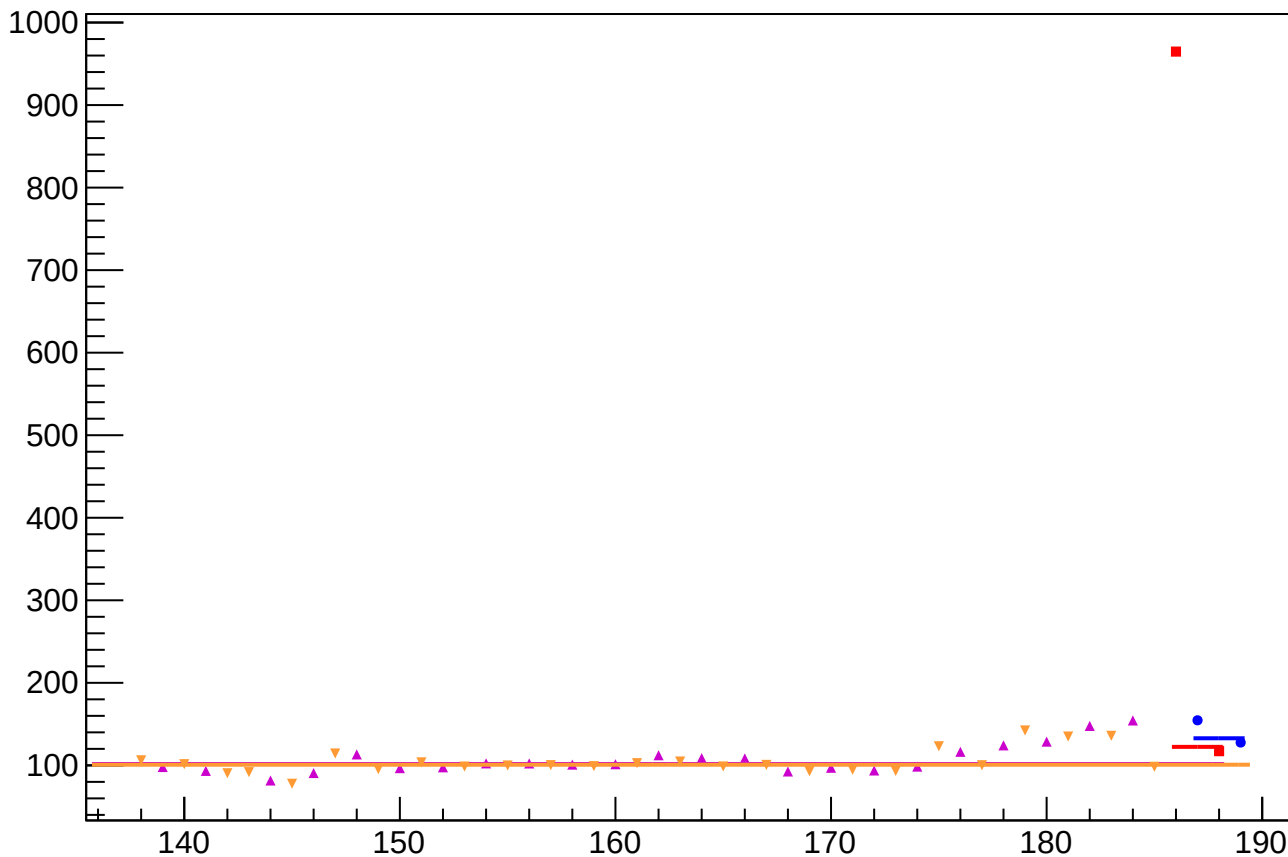
Right: 13.680 $\pm$ 101.317 χ^2 /NDF: 1.0/3

In: 33.015 $\pm$ 24.350 χ^2 /NDF:24.0/24

Out: 55.275 $\pm$ 23.292 χ^2 /NDF:29.9/26

All: 44.639 $\pm$ 16.831 χ^2 /NDF: 54.4/51

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left: 101.196 $\pm$ 0.012 χ^2 /NDF: 1183987.6/47

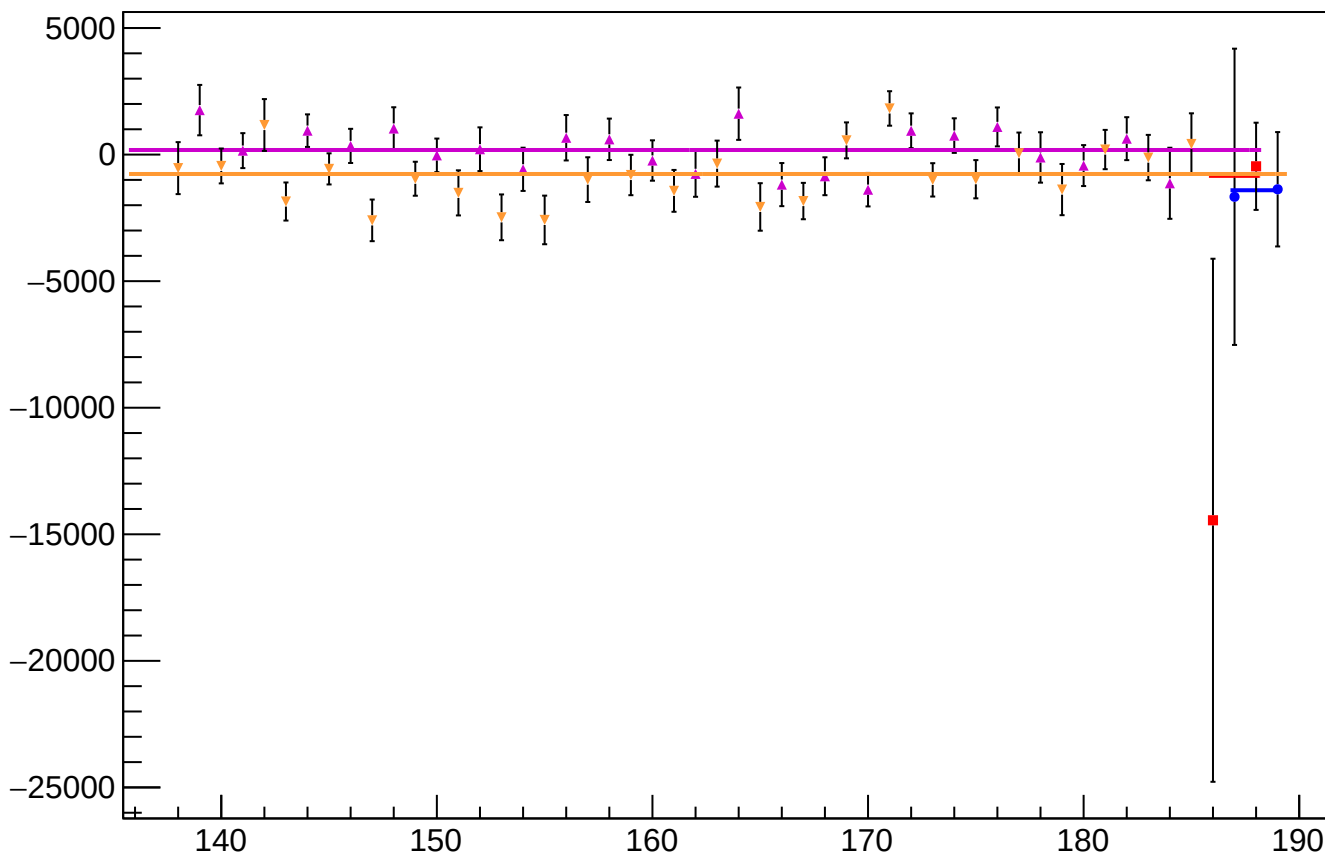
Right: 125.883 $\pm$ 0.072 χ^2 /NDF: 583912.2/3

In: 102.222 $\pm$ 0.017 χ^2 /NDF: 651593.3/24

Out: 101.563 $\pm$ 0.016 χ^2 /NDF: 1231004.1/26

All: 101.878 $\pm$ 0.012 χ^2 /NDF: 1883363.1/51

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: -1408.497+/-2107.598 χ^2/NDF : 0.0/1

Left Out: -766.358+/-161.066 χ^2/NDF : 46.5/24

Right Out: -840.863+/-1699.002 χ^2/NDF : 1.8/1

Left In: 181.584+/-165.671 χ^2/NDF : 25.0/22

Left: -305.743+/-115.485 χ^2/NDF : 88.4/47

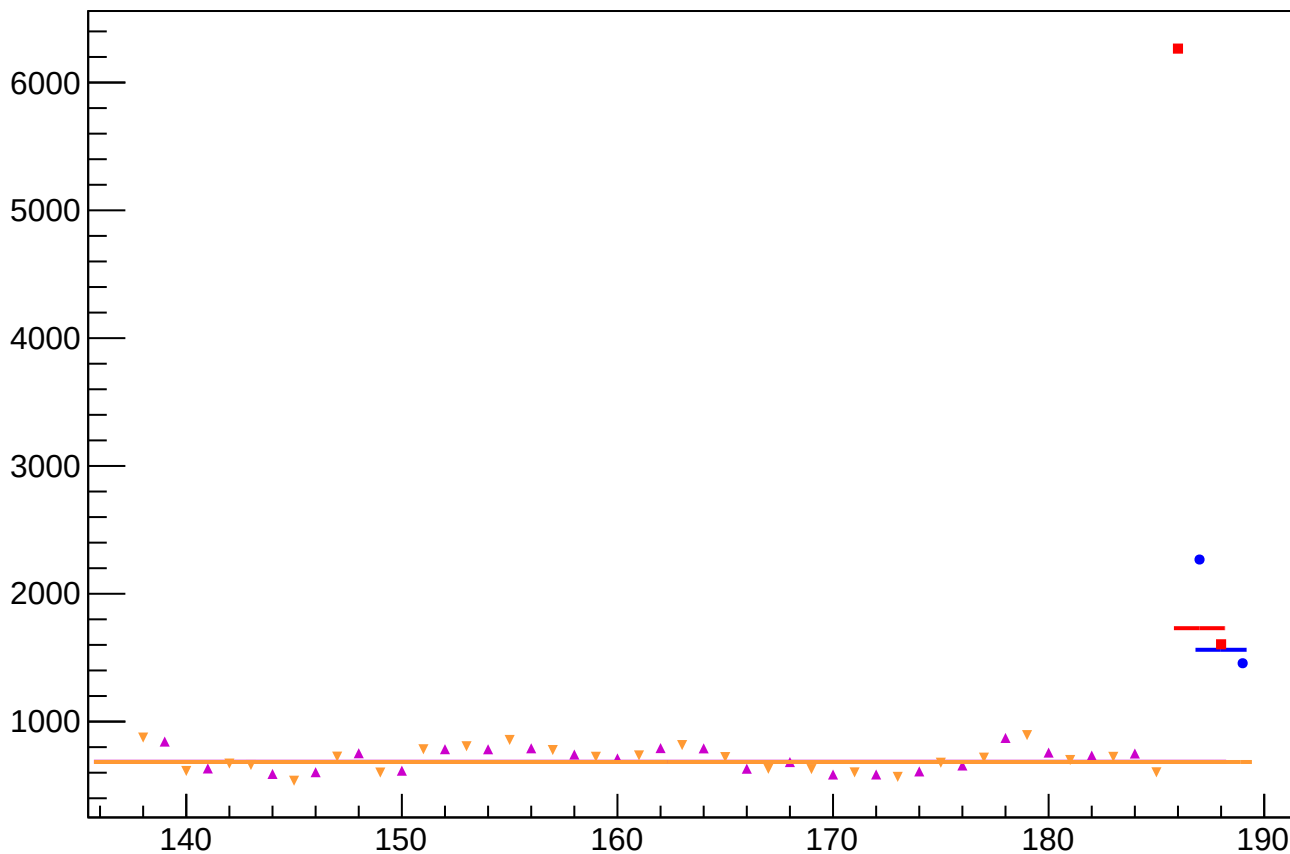
Right: -1064.445+/-1322.732 χ^2/NDF : 1.8/3

In: 171.819+/-165.161 χ^2/NDF : 25.6/24

Out: -767.021+/-160.347 χ^2/NDF : 48.3/26

All: -311.483+/-115.047 χ^2/NDF : 90.5/51

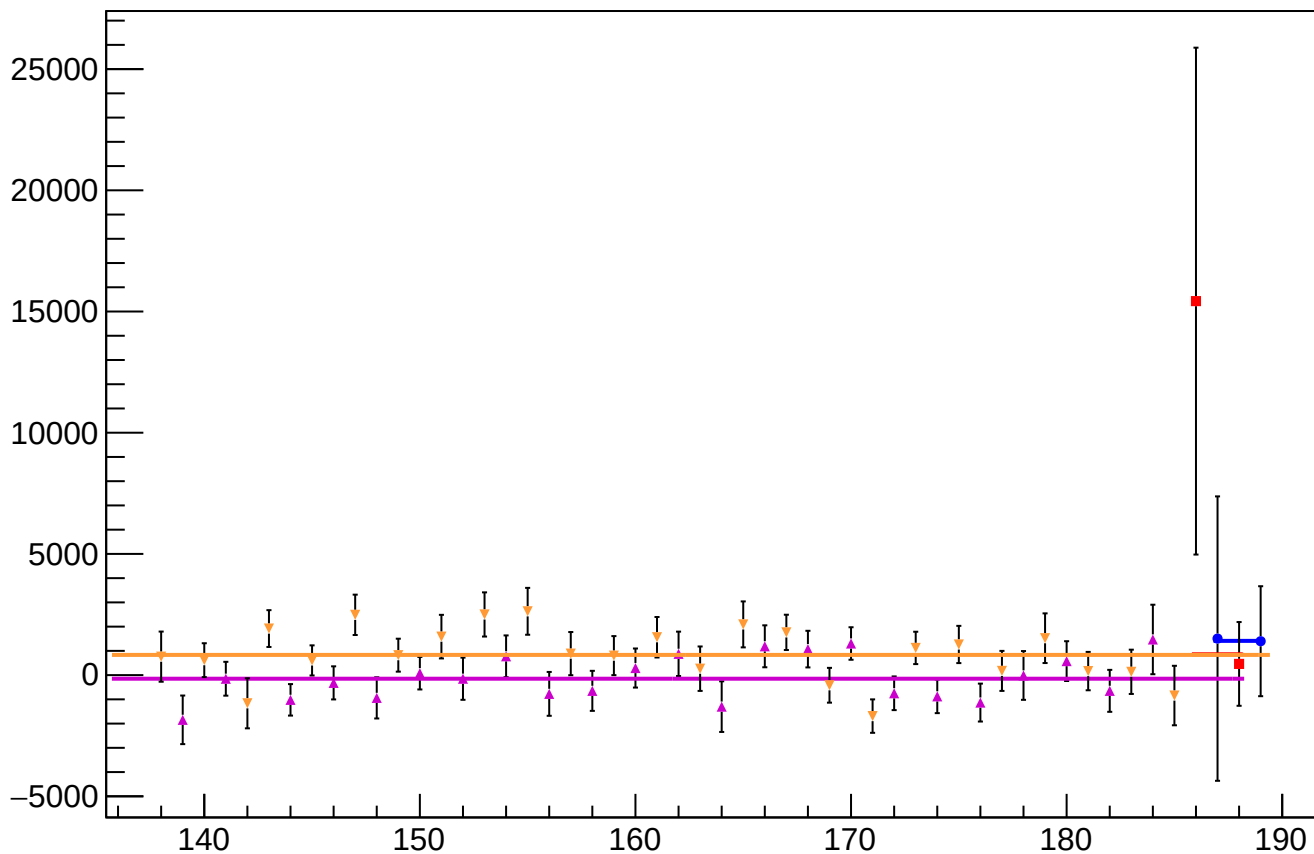
asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 1561.751+/-1.490 χ^2/NDF : 33460.3/1
 Left Out: 683.884+/-0.114 χ^2/NDF : 667158.2/24
 Right Out: 1730.712+/-1.201 χ^2/NDF : 396004.6/1
 Left In: 685.593+/-0.117 χ^2/NDF : 529353.6/22

Left: 684.715+/-0.082 χ^2/NDF : 1196621.1/47
 Right: 1664.161+/-0.935 χ^2/NDF : 437255.8/3
 In: 690.973+/-0.117 χ^2/NDF : 906328.0/24
 Out: 693.209+/-0.113 χ^2/NDF : 1815663.8/26
 All: 692.124+/-0.081 χ^2/NDF : 2722180.4/51

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 1412.450+/-2115.695 χ^2/NDF : 0.0/1

Left Out: 833.395+/-162.965 χ^2/NDF : 43.2/24

Right Out: 859.557+/-1704.448 χ^2/NDF : 2.0/1

Left In: -148.814+/-167.644 χ^2/NDF : 26.0/22

Left: 356.189+/-116.853 χ^2/NDF : 86.9/47

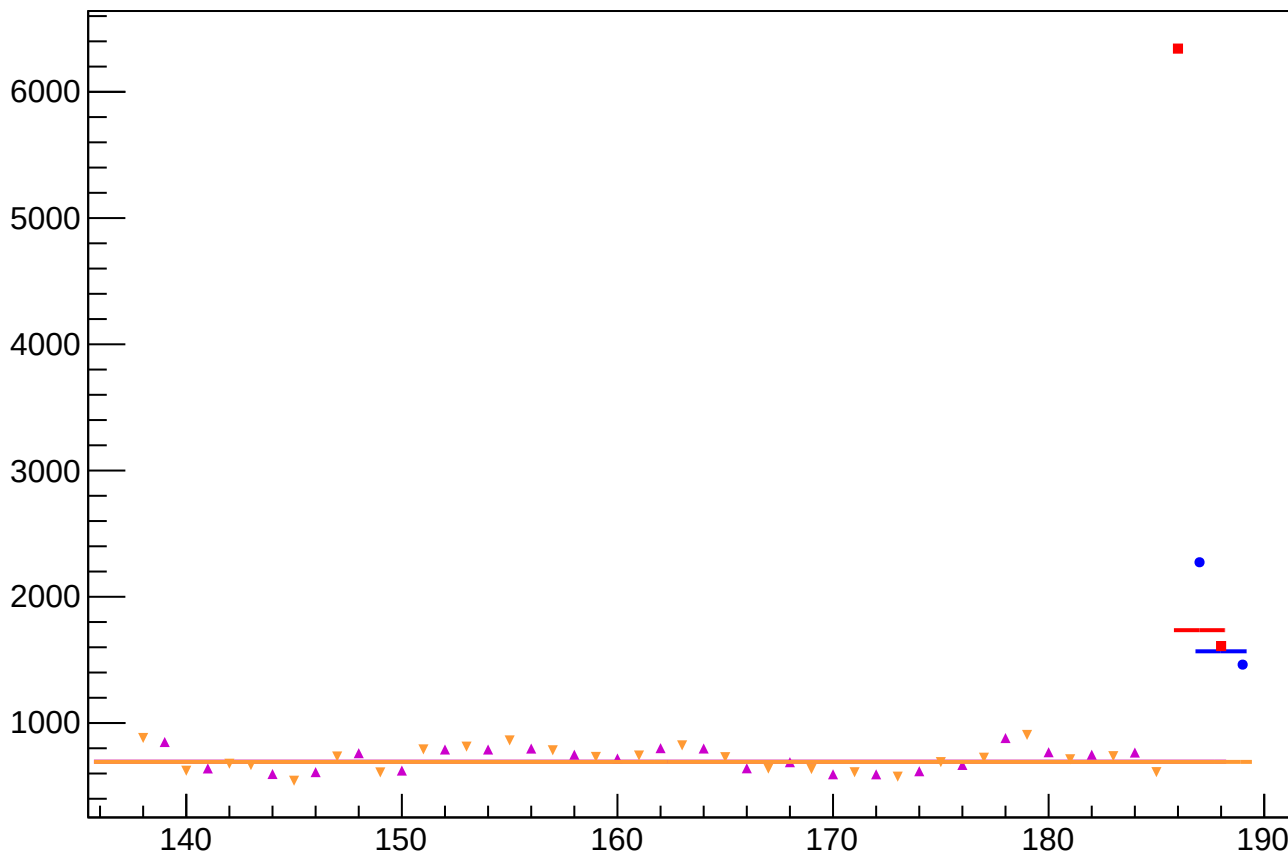
Right: 1077.165+/-1327.303 χ^2/NDF : 2.0/3

In: -139.072+/-167.120 χ^2/NDF : 26.6/24

Out: 833.632+/-162.225 χ^2/NDF : 45.2/26

All: 361.734+/-116.403 χ^2/NDF : 89.2/51

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left: 692.957+/-0.083 χ^2/NDF : 1179427.7/47

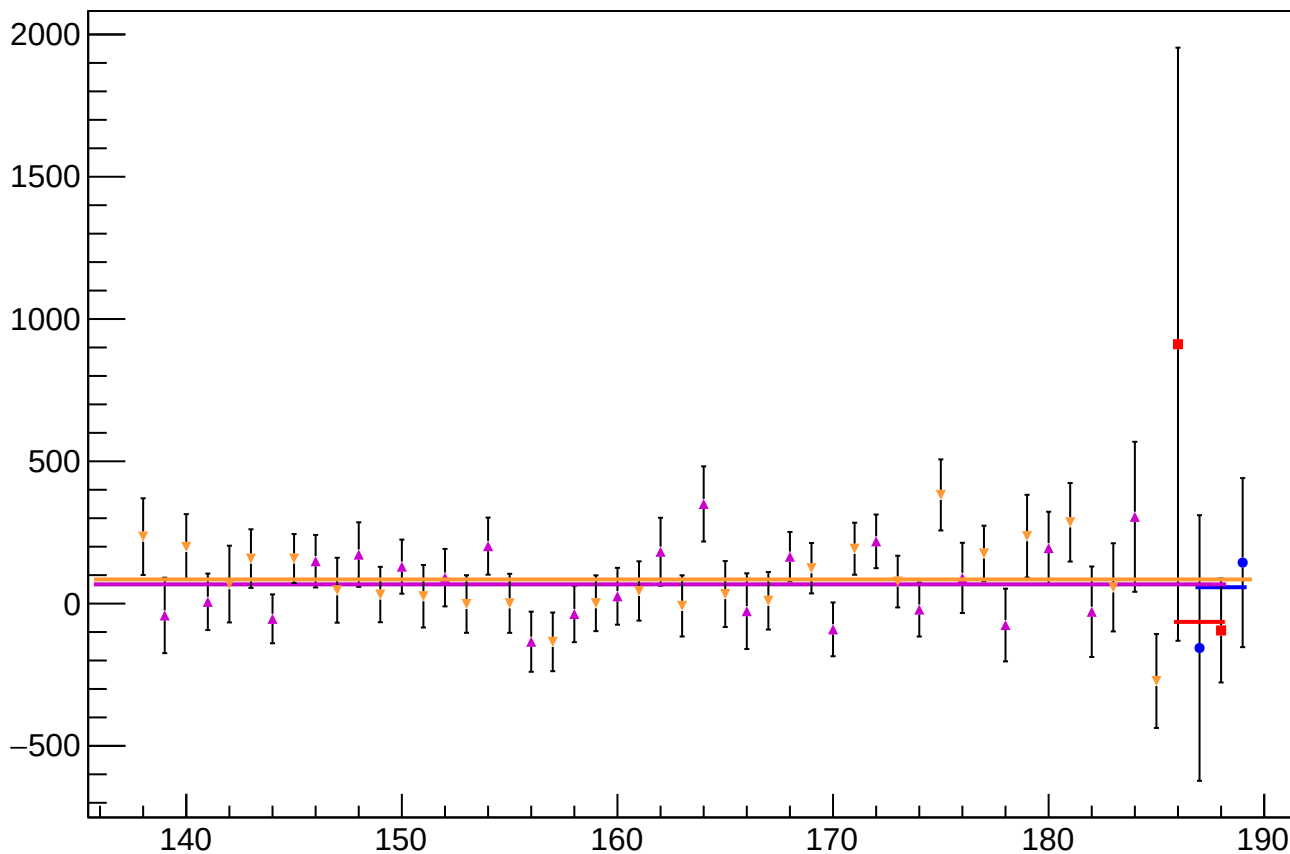
Right: 1669.578+/-0.939 χ^2/NDF : 439734.7/3

In: 699.322+/-0.118 χ^2/NDF : 894636.1/24

Out: 701.548+/-0.115 χ^2/NDF : 1798800.8/26

All: 700.468+/-0.082 χ^2/NDF : 2693619.7/51

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 57.476 $\pm$ 250.583 χ^2 /NDF: 0.3/1

Left Out: 84.860 $\pm$ 21.643 χ^2 /NDF:28.5/24

Right Out: -64.322 $\pm$ 180.011 χ^2 /NDF: 0.9/1

Left In: 67.552 $\pm$ 22.449 χ^2 /NDF:28.9/22

Left: 76.522 $\pm$ 15.581 χ^2 /NDF: 57.7/47

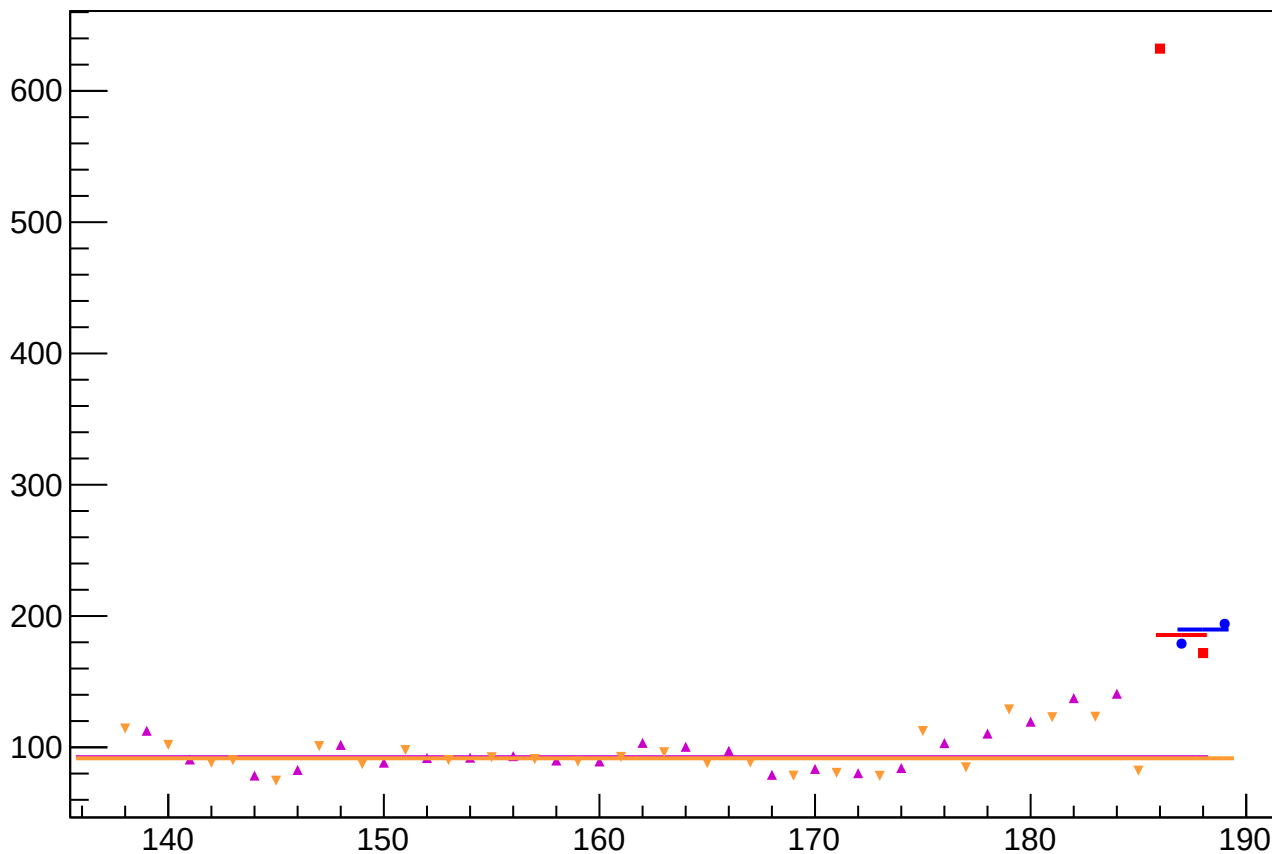
Right: -22.863 $\pm$ 146.198 χ^2 /NDF: 1.4/3

In: 67.472 $\pm$ 22.360 χ^2 /NDF:29.1/24

Out: 82.734 $\pm$ 21.488 χ^2 /NDF:30.1/26

All: 75.406 $\pm$ 15.493 χ^2 /NDF: 59.5/51

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 189.729 $\pm$ 0.177 χ^2 /NDF: 1496.1/1

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF:693122.0/24

Right Out: 185.539 $\pm$ 0.127 χ^2 /NDF: 378714.5/1

Left In: 92.466 $\pm$ 0.016 χ^2 /NDF:655700.4/22

Left: 92.034 $\pm$ 0.011 χ^2 /NDF: 1350250.3/47

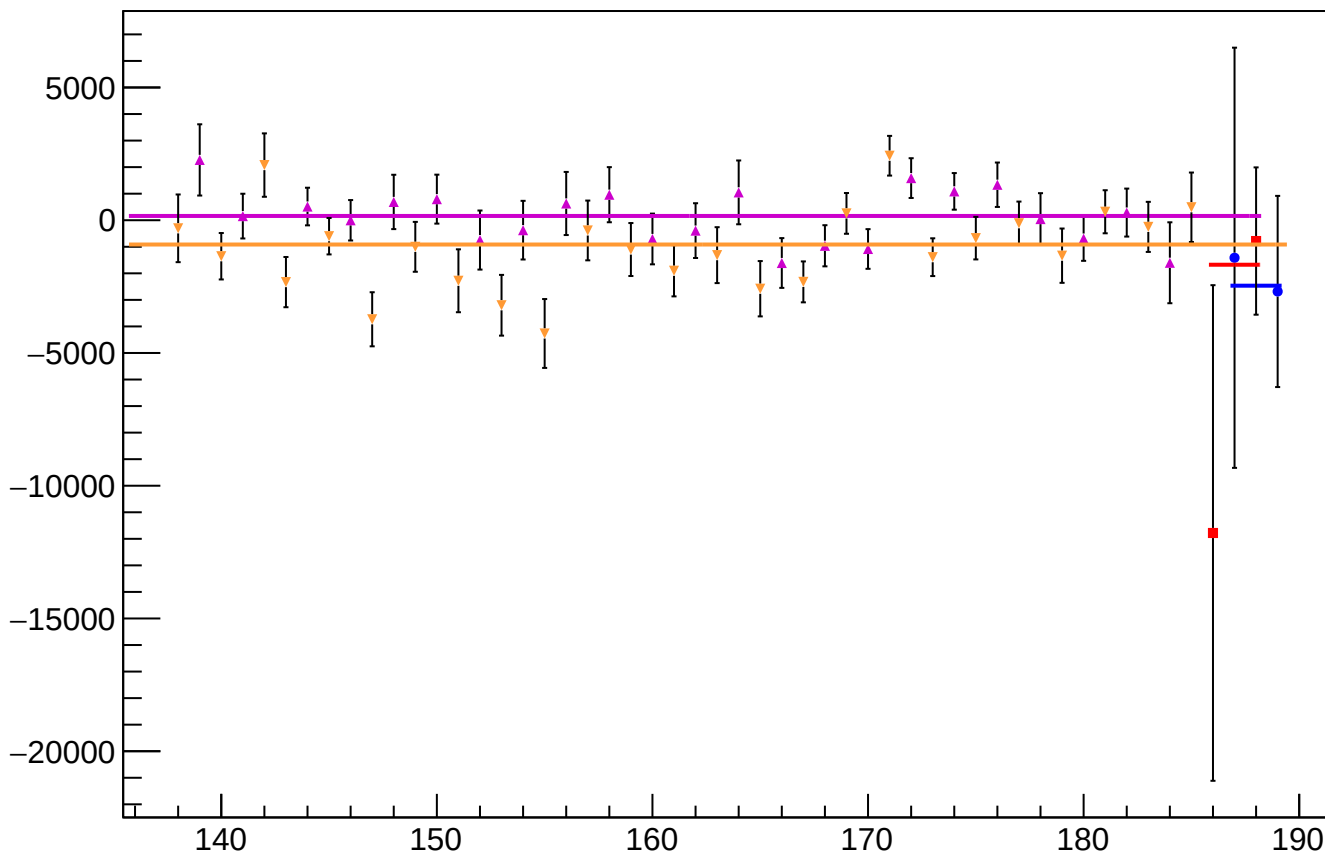
Right: 186.965 $\pm$ 0.103 χ^2 /NDF: 380579.4/3

In: 93.240 $\pm$ 0.016 χ^2 /NDF:956113.5/24

Out: 92.971 $\pm$ 0.015 χ^2 /NDF:1608362.1/26

All: 93.100 $\pm$ 0.011 χ^2 /NDF: 2564626.6/51

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: -2465.447 $\pm$ 3277.219 χ^2 /NDF: 0.0/1

Left Out: -914.719 $\pm$ 185.341 χ^2 /NDF:64.2/24

Right Out: -1676.198 $\pm$ 2659.158 χ^2 /NDF: 1.3/1

Left In: 161.076 $\pm$ 189.491 χ^2 /NDF:25.1/22

Left: -388.730 $\pm$ 132.499 χ^2 /NDF: 105.7/47

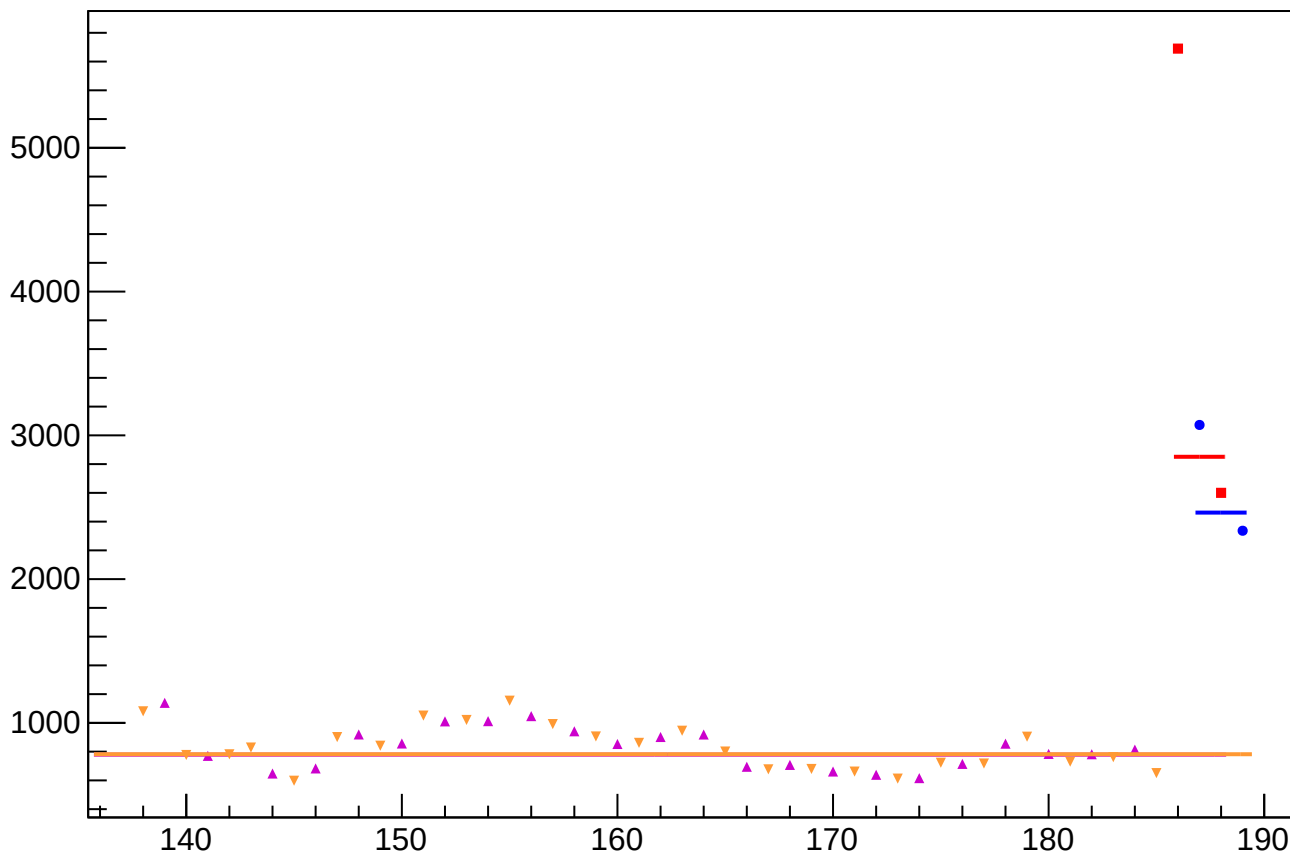
Right: -1989.532 $\pm$ 2064.914 χ^2 /NDF: 1.3/3

In: 152.325 $\pm$ 189.175 χ^2 /NDF:25.7/24

Out: -918.400 $\pm$ 184.892 χ^2 /NDF:65.5/26

All: -395.294 $\pm$ 132.227 χ^2 /NDF: 107.7/51

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 2462.759+/-2.317 χ^2/NDF : 14329.0/1

Left Out: 782.042+/-0.131 χ^2/NDF :1130984.3/24

Right Out: 2850.957+/-1.880 χ^2/NDF : 201371.7/1

Left In: 778.995+/-0.134 χ^2/NDF :980243.4/22

Left: 780.552+/-0.094 χ^2/NDF : 2111492.1/47

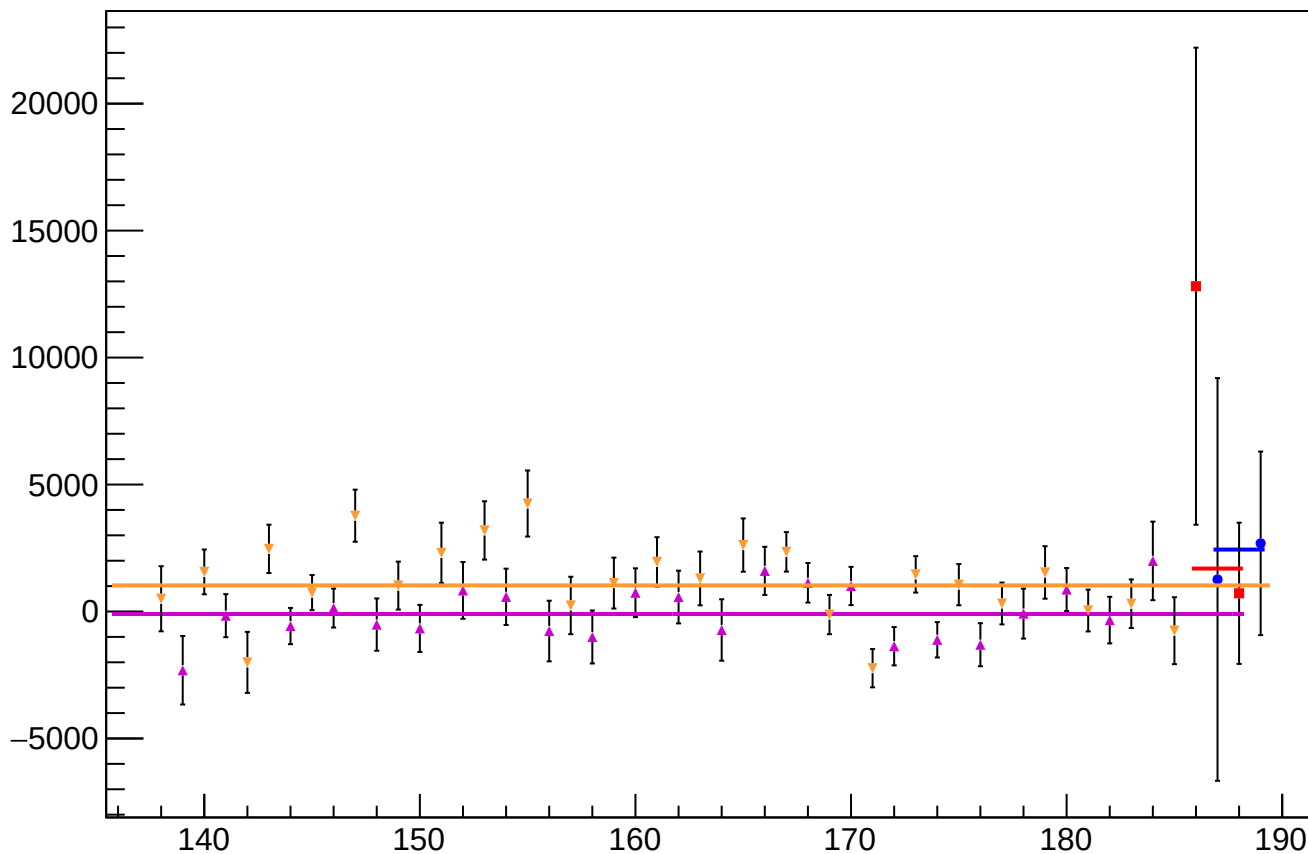
Right: 2696.841+/-1.460 χ^2/NDF : 232622.2/3

In: 784.605+/-0.134 χ^2/NDF :1520749.9/24

Out: 792.044+/-0.131 χ^2/NDF :2537176.0/26

All: 788.410+/-0.093 χ^2/NDF : 4059507.6/51

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left: 477.669+/-133.561 χ^2/NDF : 103.3/47

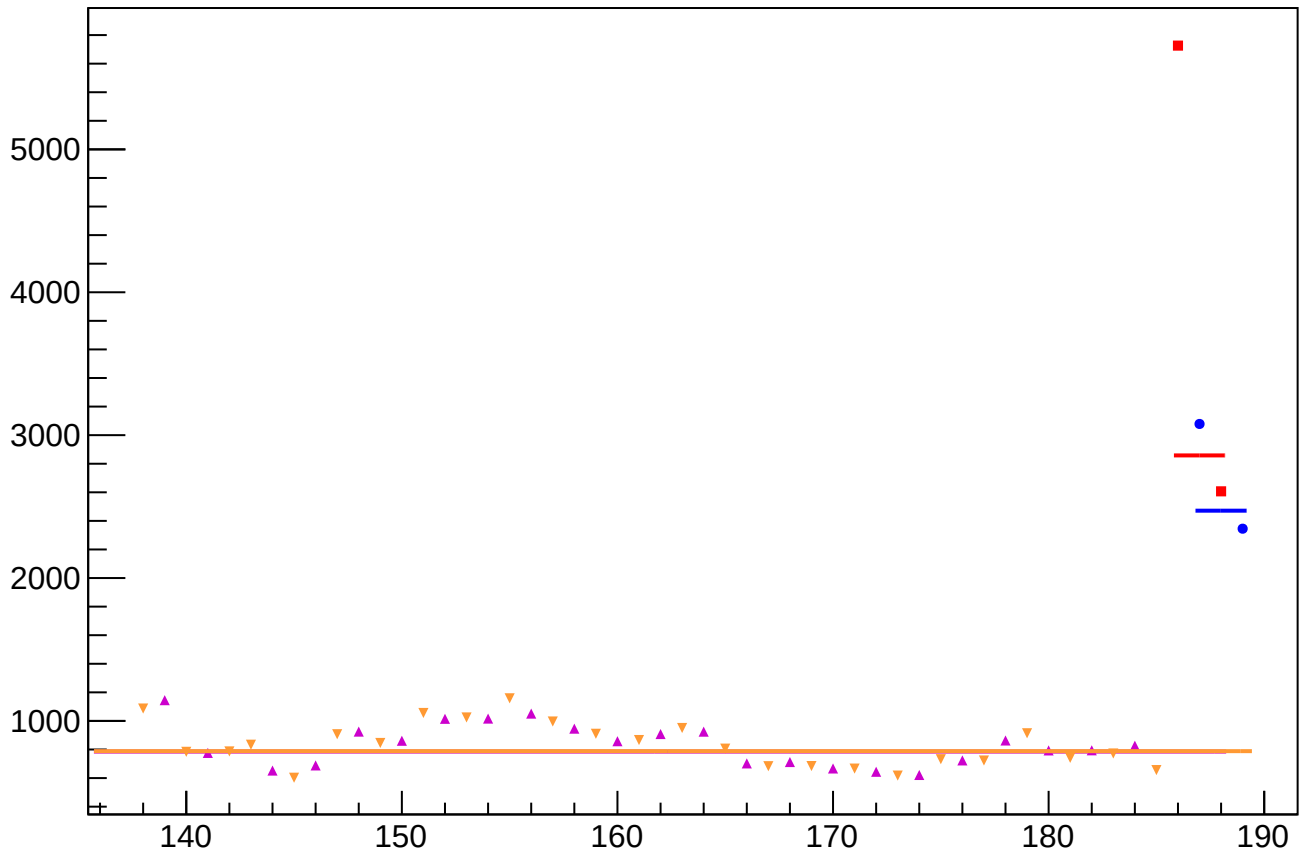
Right: 1988.434+/-2071.159 χ^2/NDF : 1.6/3

In: -90.153+/-190.705 χ^2/NDF :26.0/24

Out: 1032.101+/-186.353 χ^2/NDF :61.7/26

All: 483.925+/-133.284 χ^2/NDF : 105.5/51

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left: 786.999+/-0.094 χ^2/NDF : 2079324.6/47

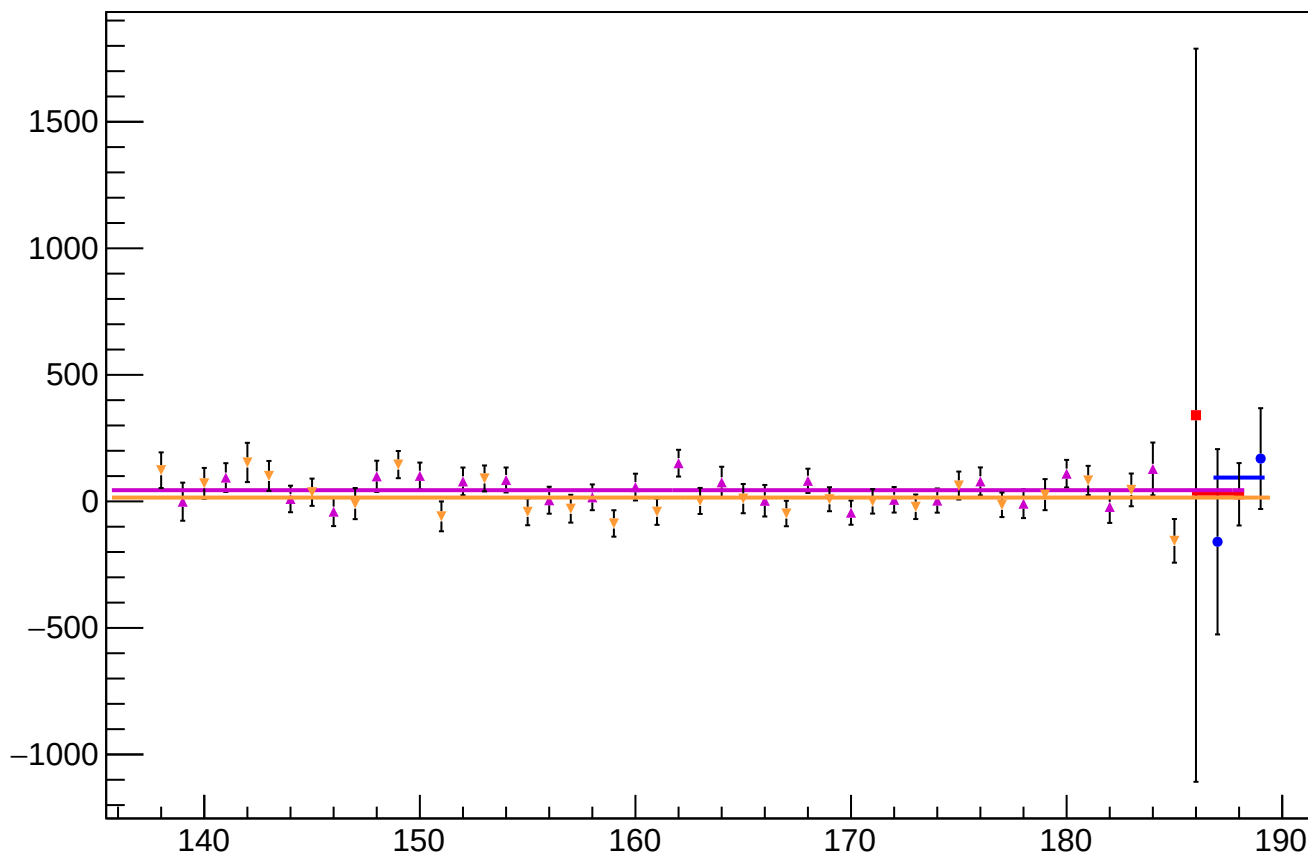
Right: 2704.769+/-1.465 χ^2/NDF : 233615.3/3

In: 791.161+/-0.135 χ^2/NDF : 1503469.0/24

Out: 798.551+/-0.132 χ^2/NDF : 2515565.3/26

All: 794.941+/-0.094 χ^2/NDF : 4020570.4/51

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left: 29.215+/-8.017 χ^2/NDF : 59.8/47

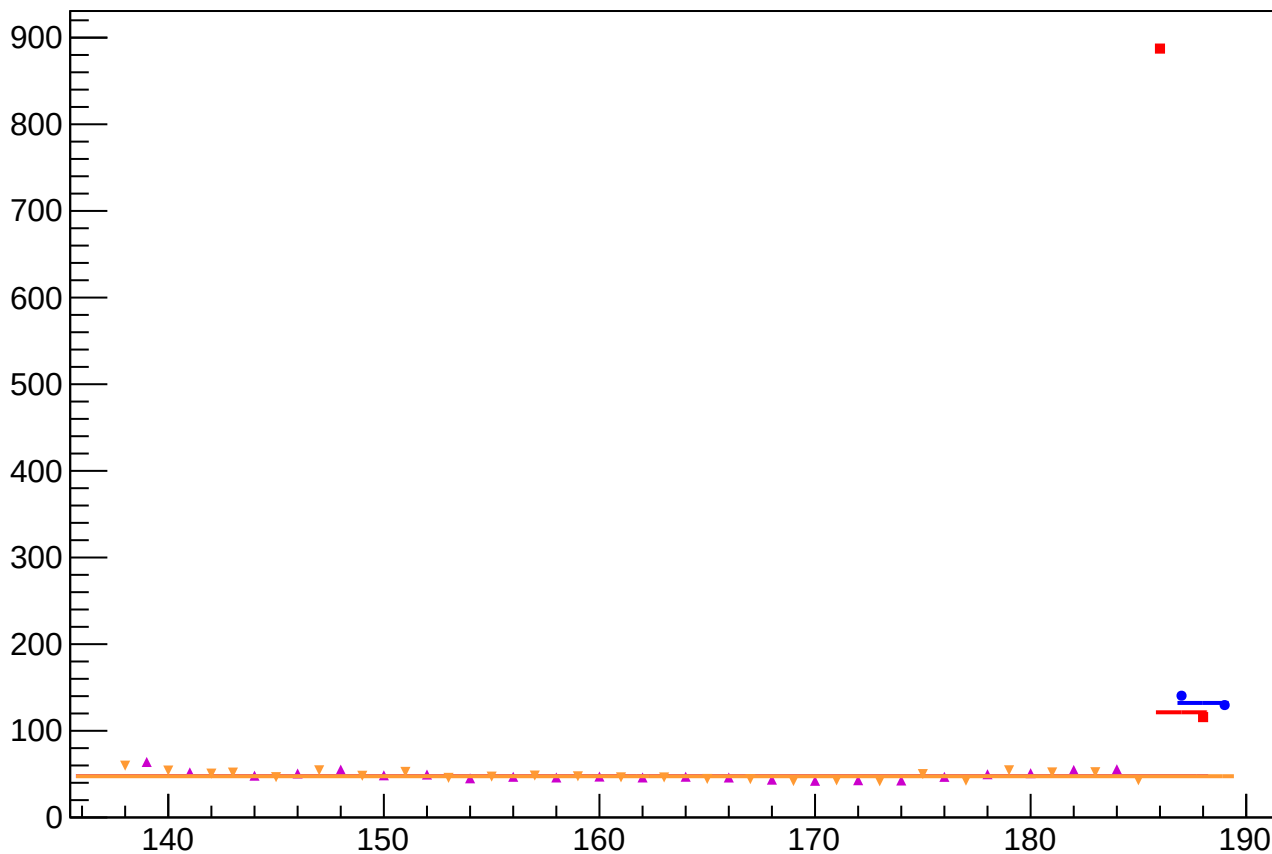
Right: 51.420+/-100.545 χ^2/NDF : 0.8/3

In: 44.513+/-11.505 χ^2/NDF :23.0/24

Out: 15.224+/-11.109 χ^2/NDF :34.3/26

All: 29.355+/-7.991 χ^2/NDF : 60.6/51

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left: 47.712 $\pm$ 0.006 χ^2 /NDF: 595189.7/47

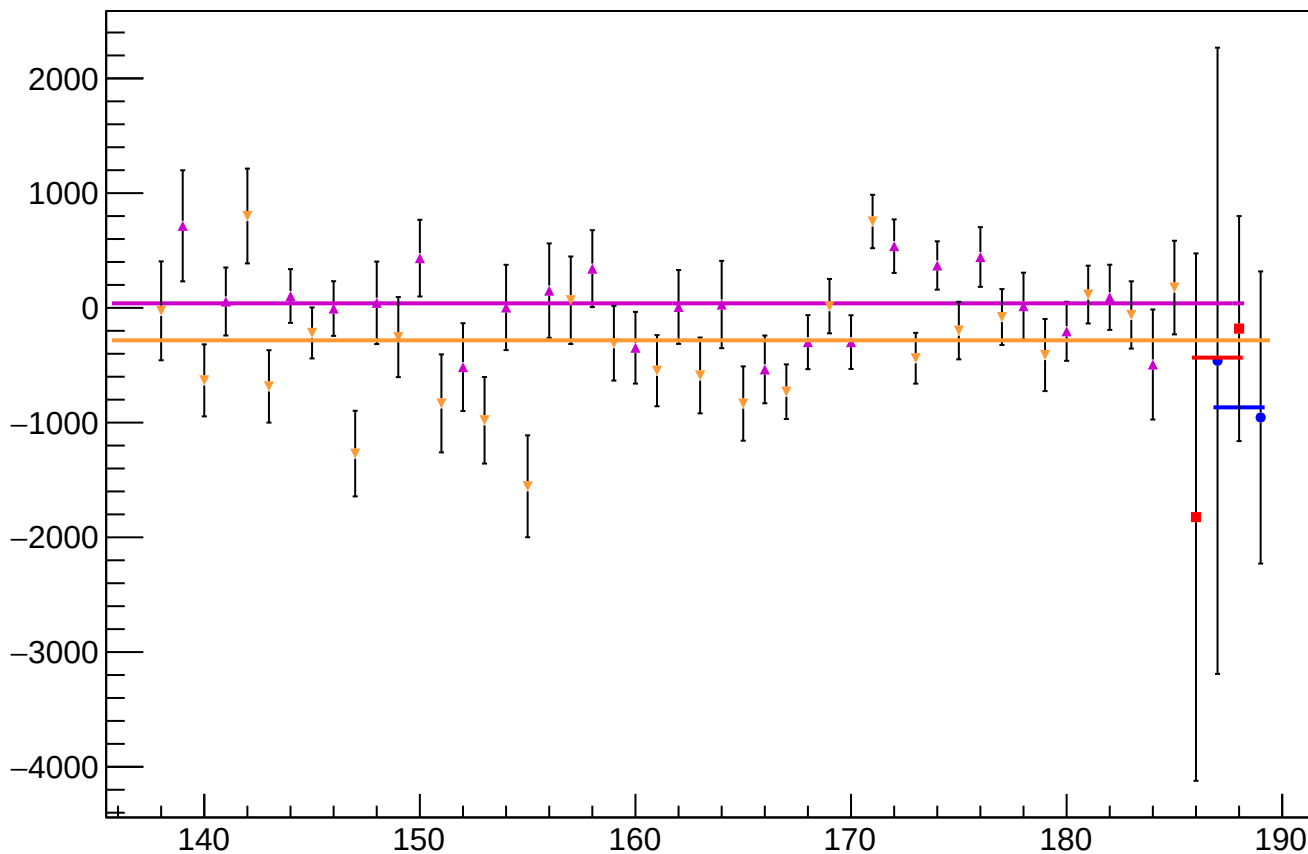
Right: 124.932 $\pm$ 0.071 χ^2 /NDF: 569849.6/3

In: 48.211 $\pm$ 0.008 χ^2 /NDF:745642.6/24

Out: 48.189 $\pm$ 0.008 χ^2 /NDF:1591628.8/26

All: 48.200 $\pm$ 0.006 χ^2 /NDF: 2337274.9/51

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -867.113 $\pm$ 1153.869 χ^2 /NDF: 0.0/1

Left Out: -282.798 $\pm$ 59.690 χ^2 /NDF:66.5/24

Right Out: -433.624 $\pm$ 901.865 χ^2 /NDF: 0.4/1

Left In: 39.432 $\pm$ 60.759 χ^2 /NDF:27.5/22

Left: -124.543 $\pm$ 42.580 χ^2 /NDF: 108.4/47

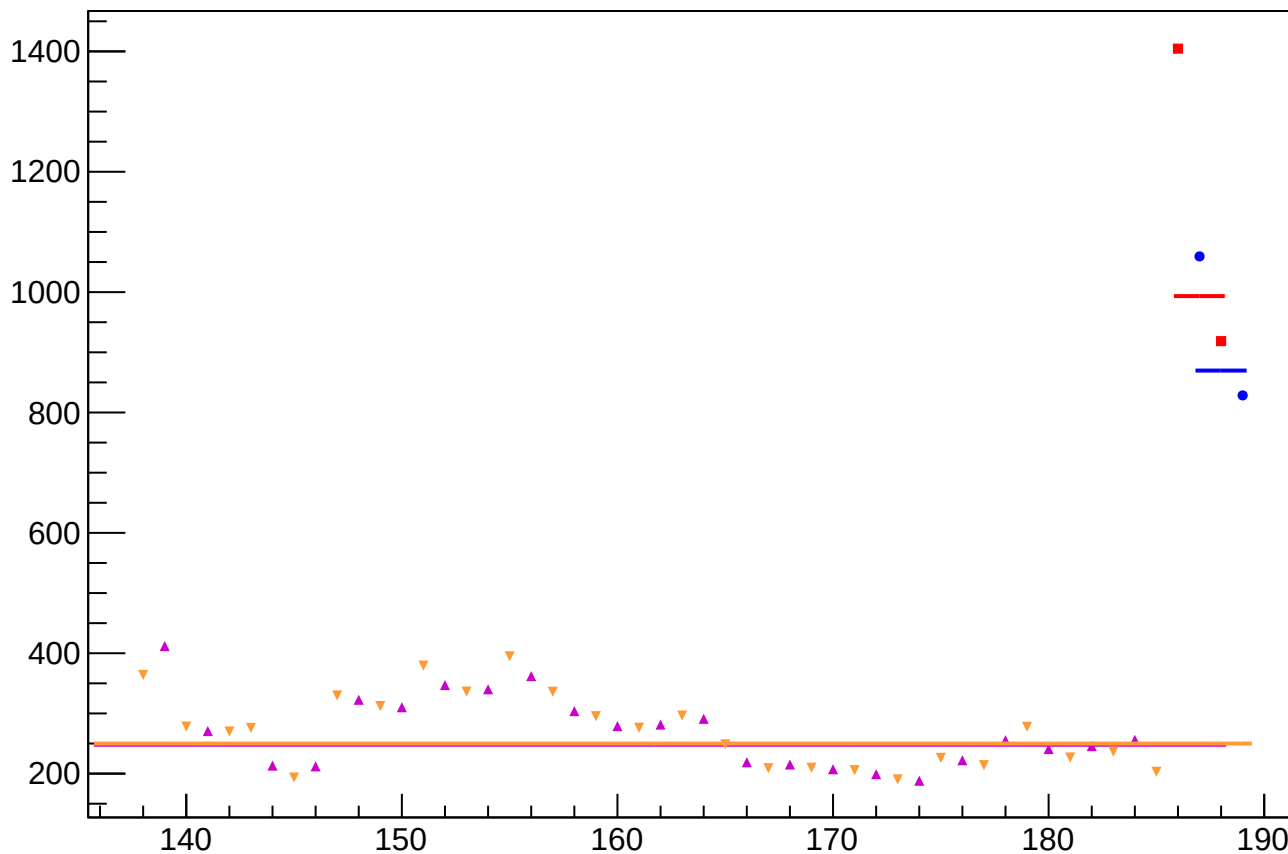
Right: -598.015 $\pm$ 710.571 χ^2 /NDF: 0.5/3

In: 36.925 $\pm$ 60.675 χ^2 /NDF:28.2/24

Out: -283.456 $\pm$ 59.559 χ^2 /NDF:67.0/26

All: -126.237 $\pm$ 42.504 χ^2 /NDF: 109.4/51

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 869.689+/-0.816 χ^2/NDF : 11766.9/1

Left Out: 249.956+/-0.042 χ^2/NDF :1614205.9/24

Right Out: 993.429+/-0.638 χ^2/NDF : 75654.7/1

Left In: 247.917+/-0.043 χ^2/NDF :1410847.5/22

Left: 248.955+/-0.030 χ^2/NDF : 3026200.1/47

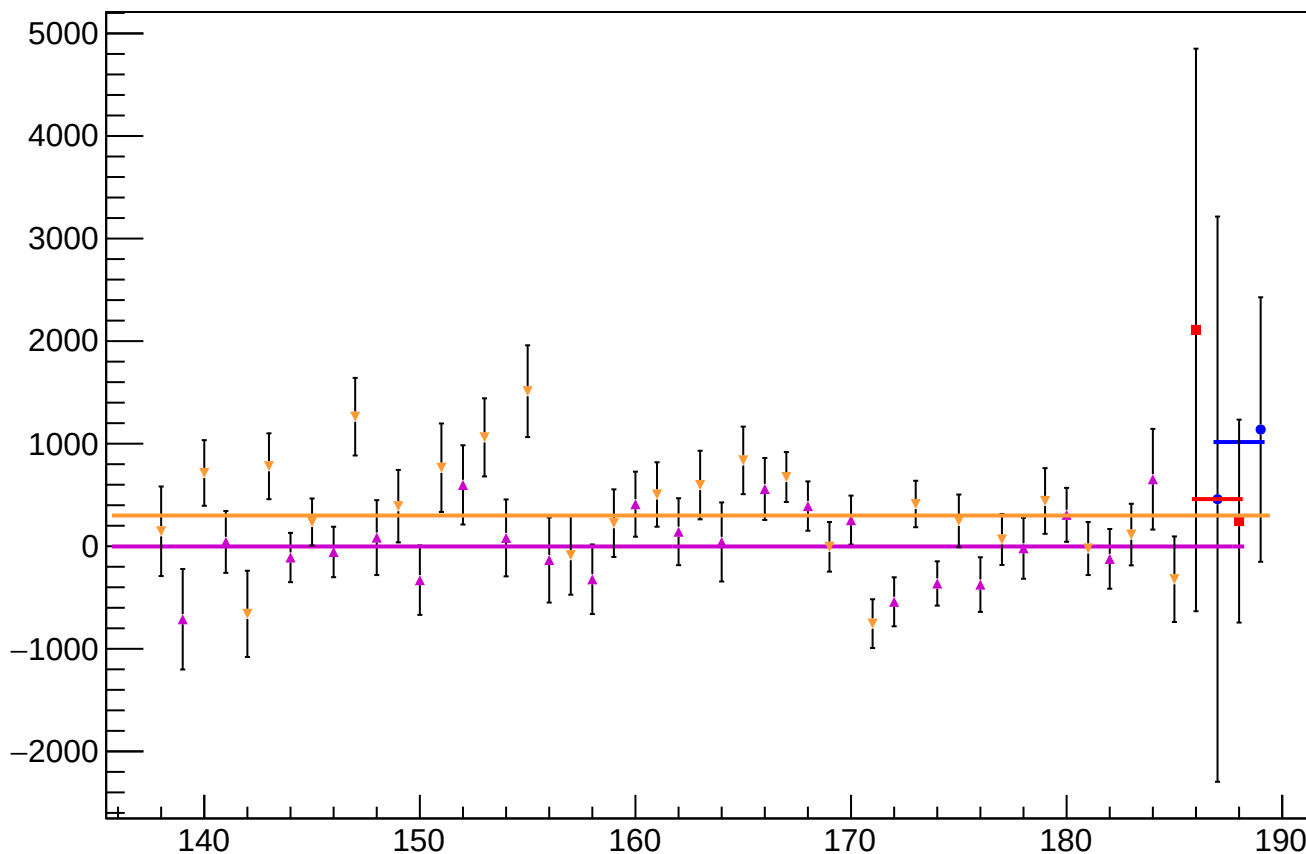
Right: 946.503+/-0.502 χ^2/NDF : 101699.4/3

In: 249.636+/-0.043 χ^2/NDF :2001745.4/24

Out: 253.199+/-0.042 χ^2/NDF :3043110.6/26

All: 251.451+/-0.030 χ^2/NDF : 5048368.0/51

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left: 151.501 $\pm$ 43.433 χ^2 /NDF: 103.7/47

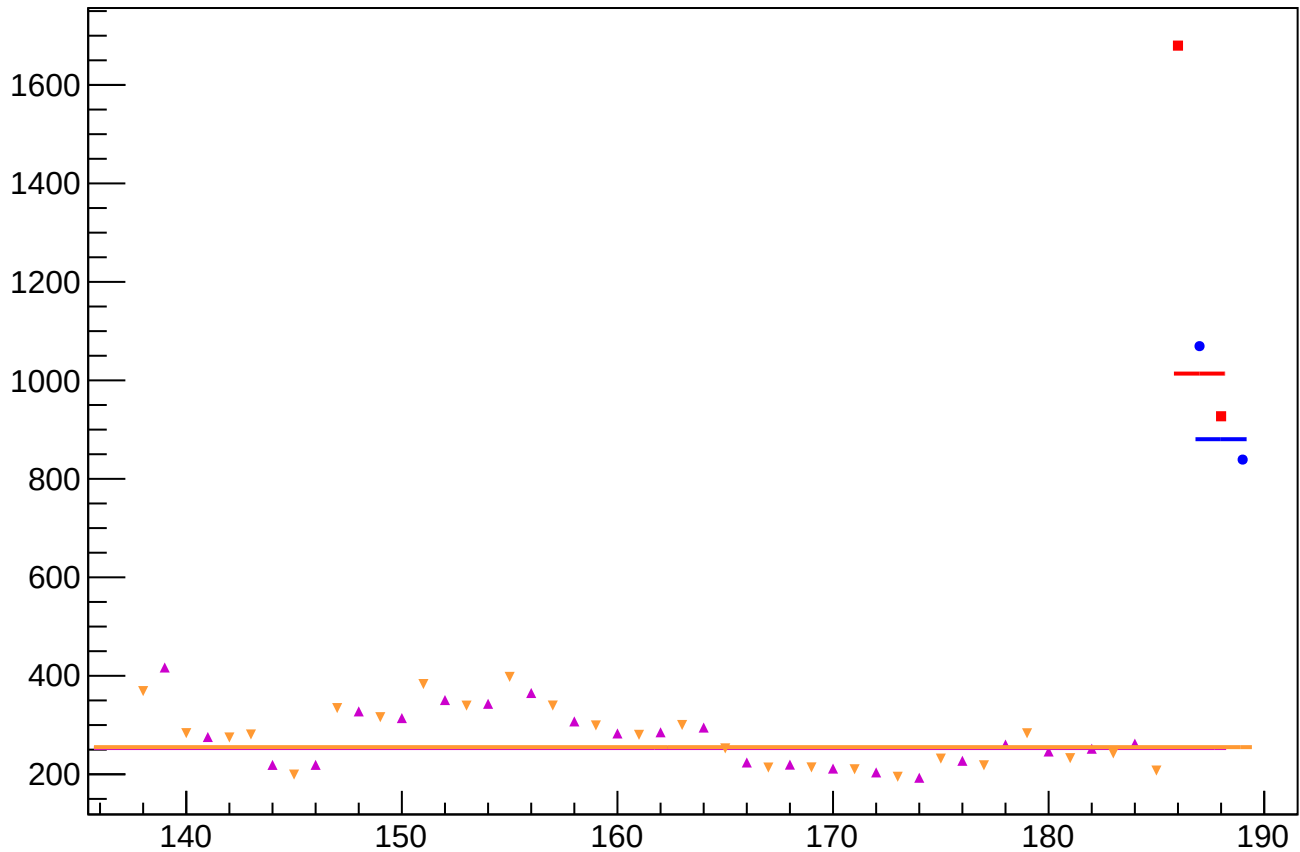
Right: 675.826 $\pm$ 727.828 χ^2 /NDF: 0.6/3

In: 0.676 $\pm$ 61.918 χ^2 /NDF:30.0/24

Out: 300.245 $\pm$ 60.730 χ^2 /NDF:62.9/26

All: 153.361 $\pm$ 43.356 χ^2 /NDF: 104.8/51

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 880.517 $\pm$ 0.826 χ^2 /NDF: 11468.6/1

Left Out: 255.135 $\pm$ 0.043 χ^2 /NDF: 1542039.5/24

Right Out: 1013.781 $\pm$ 0.658 χ^2 /NDF: 133327.5/1

Left In: 253.287 $\pm$ 0.044 χ^2 /NDF: 1341662.3/22

Left: 254.229 $\pm$ 0.031 χ^2 /NDF: 2884606.5/47

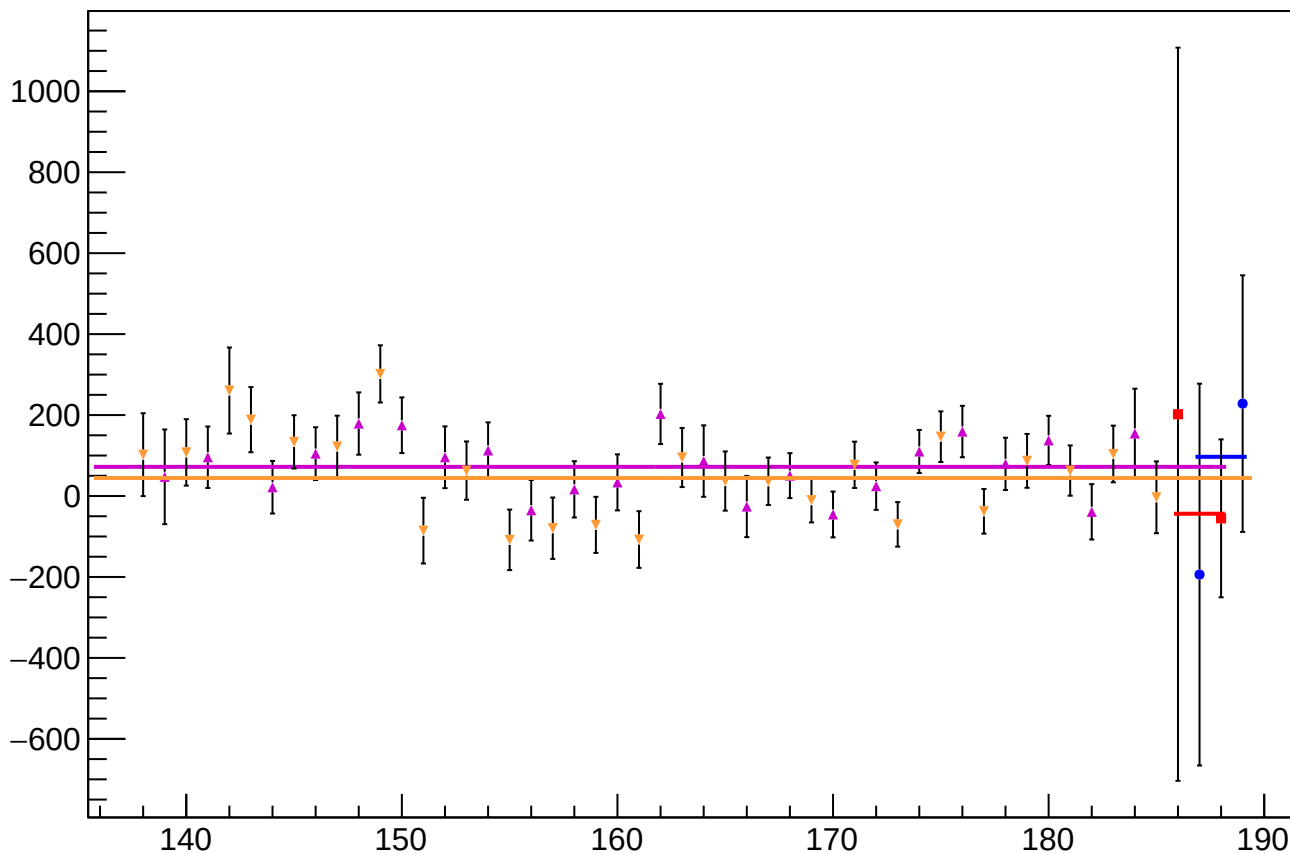
Right: 962.034 $\pm$ 0.515 χ^2 /NDF: 160721.9/3

In: 255.050 $\pm$ 0.044 χ^2 /NDF: 1928275.8/24

Out: 258.366 $\pm$ 0.043 χ^2 /NDF: 2998887.1/26

All: 256.740 $\pm$ 0.031 χ^2 /NDF: 4930086.8/51

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 96.858 $\pm$ 263.099 χ^2 /NDF: 0.6/1

Left Out: 44.602 $\pm$ 13.824 χ^2 /NDF:53.9/24

Right Out: -43.769 $\pm$ 190.716 χ^2 /NDF: 0.1/1

Left In: 72.037 $\pm$ 14.296 χ^2 /NDF:25.3/22

Left: 57.859 $\pm$ 9.938 χ^2 /NDF: 81.1/47

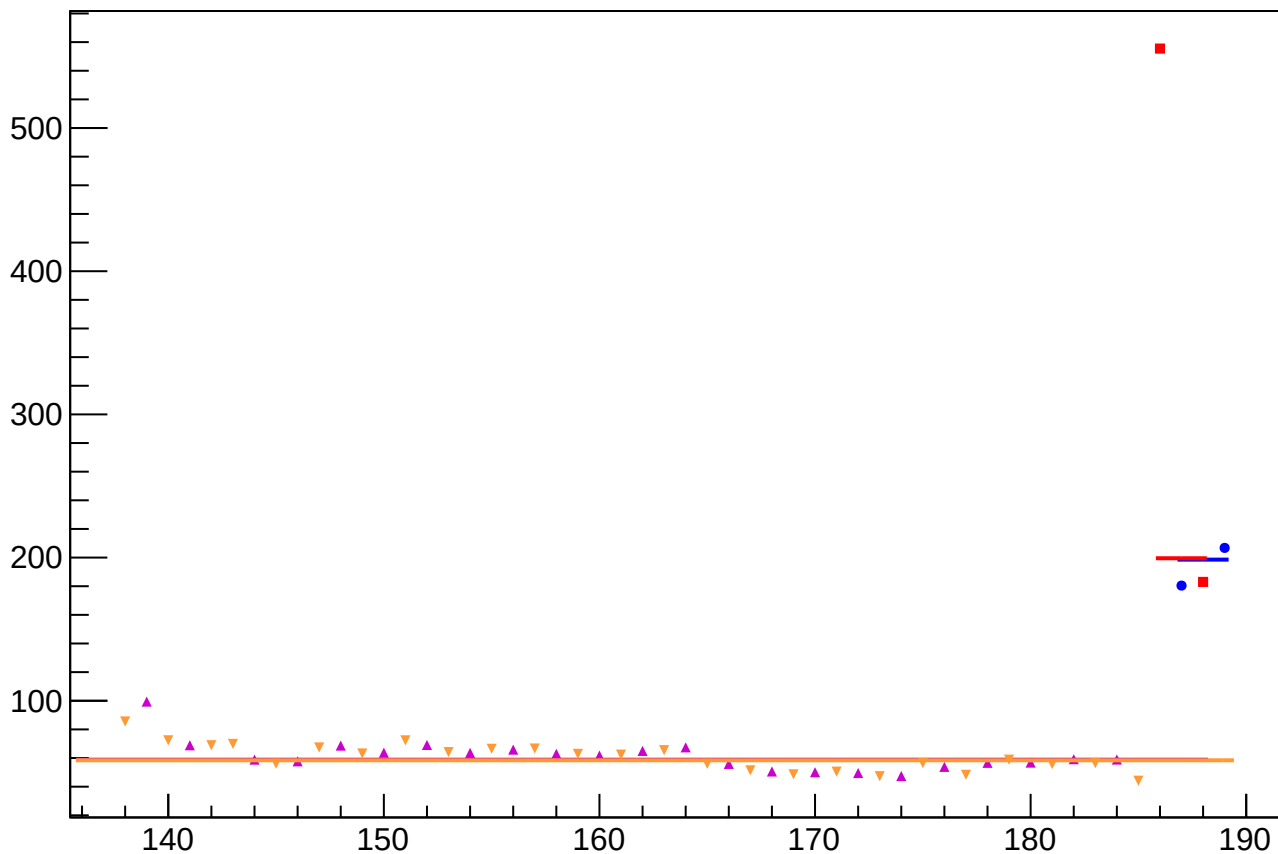
Right: 4.671 $\pm$ 154.414 χ^2 /NDF: 0.8/3

In: 72.110 $\pm$ 14.275 χ^2 /NDF:25.9/24

Out: 44.140 $\pm$ 13.788 χ^2 /NDF:54.2/26

All: 57.640 $\pm$ 9.917 χ^2 /NDF: 82.0/51

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left: 58.624 $\pm$ 0.007 χ^2 /NDF: 1470896.0/47

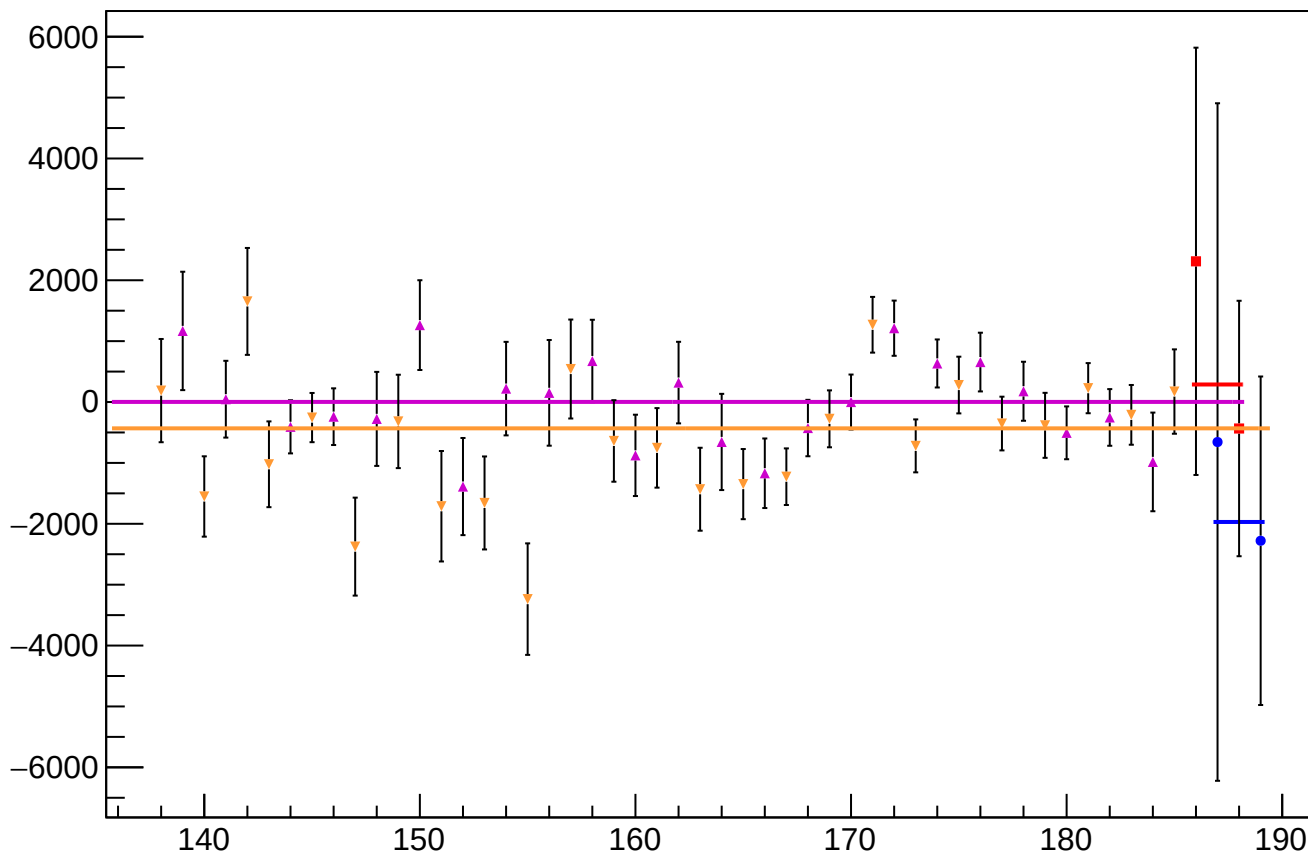
Right: 199.200 $\pm$ 0.109 χ^2 /NDF: 327582.1/3

In: 59.251 $\pm$ 0.010 χ^2 /NDF: 1246723.0/24

Out: 59.160 $\pm$ 0.010 χ^2 /NDF: 2202468.1/26

All: 59.204 $\pm$ 0.007 χ^2 /NDF: 3449232.9/51

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left: -219.109+/-81.614 χ^2/NDF : 98.8/47

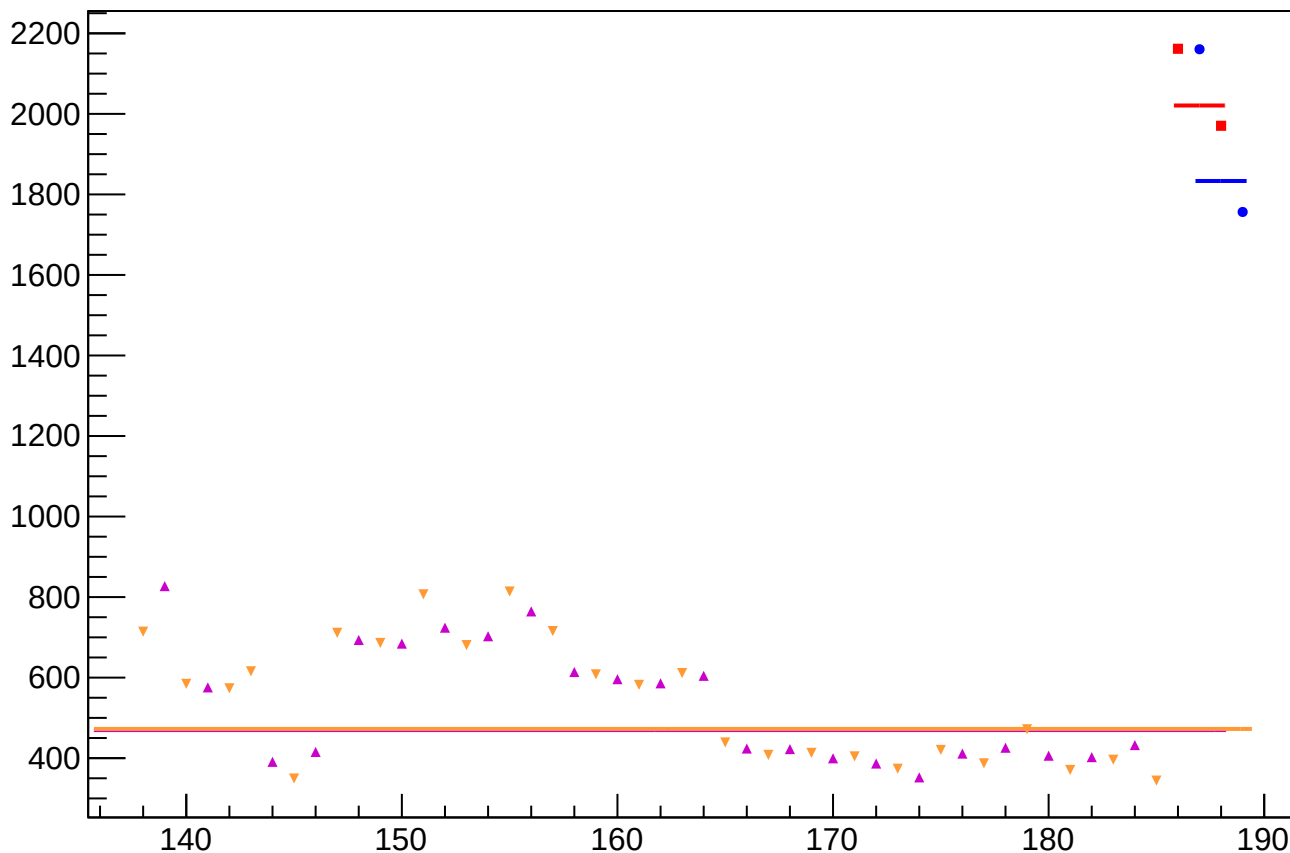
Right: -513.317+/-1446.160 χ^2/NDF : 1.1/3

In: -2.703+/-116.325 χ^2/NDF : 33.0/24

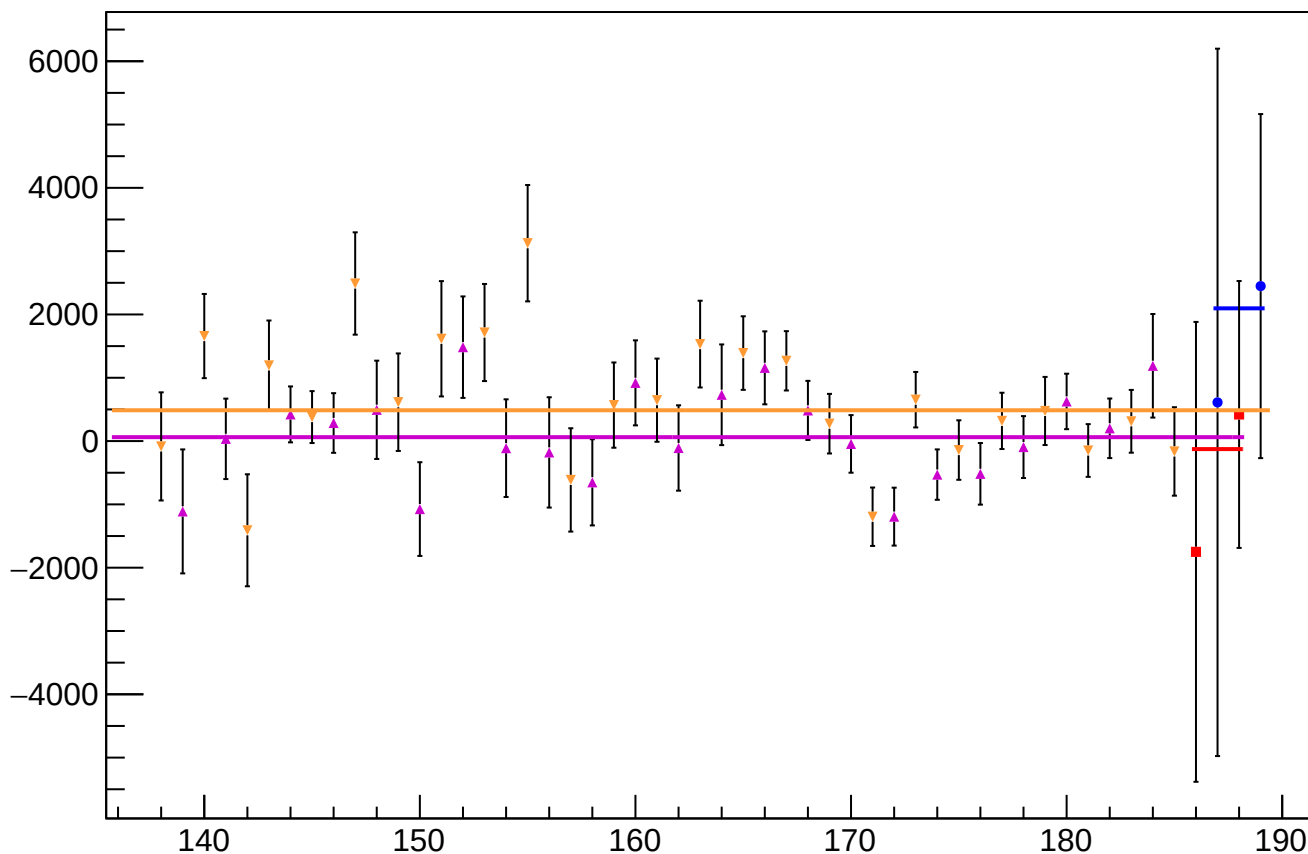
Out: -429.433+/-114.178 χ^2/NDF : 60.0/26

All: -220.043+/-81.484 χ^2/NDF : 99.9/51

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left: 278.047 $\pm$ 82.295 χ^2 /NDF: 93.8/47

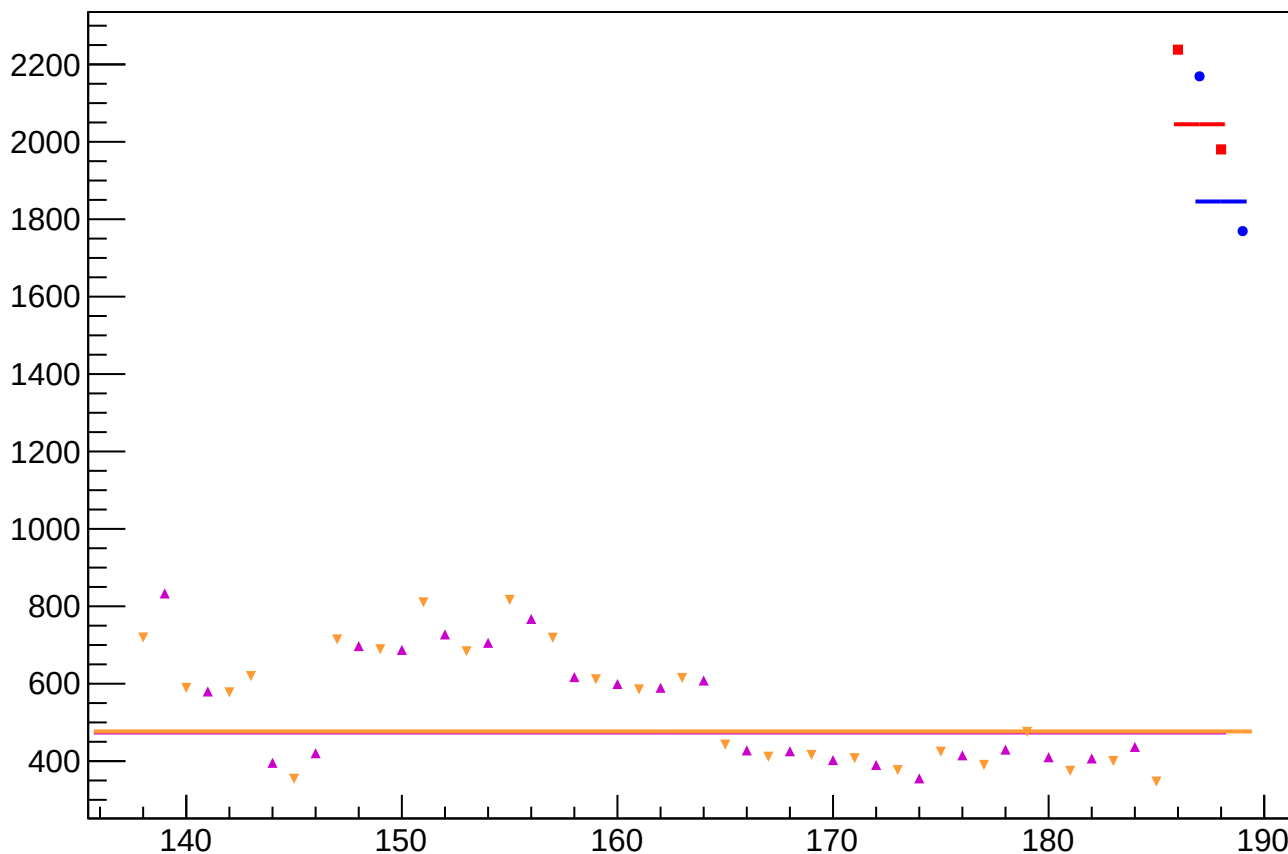
Right: 668.373 $\pm$ 1461.308 χ^2 /NDF: 0.9/3

In: 66.464 $\pm$ 117.313 χ^2 /NDF:31.9/24

Out: 484.200 $\pm$ 115.116 χ^2 /NDF:56.4/26

All: 279.281 $\pm$ 82.165 χ^2 /NDF: 94.8/51

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left: 475.361+/-0.058 χ^2/NDF : 4560392.0/47

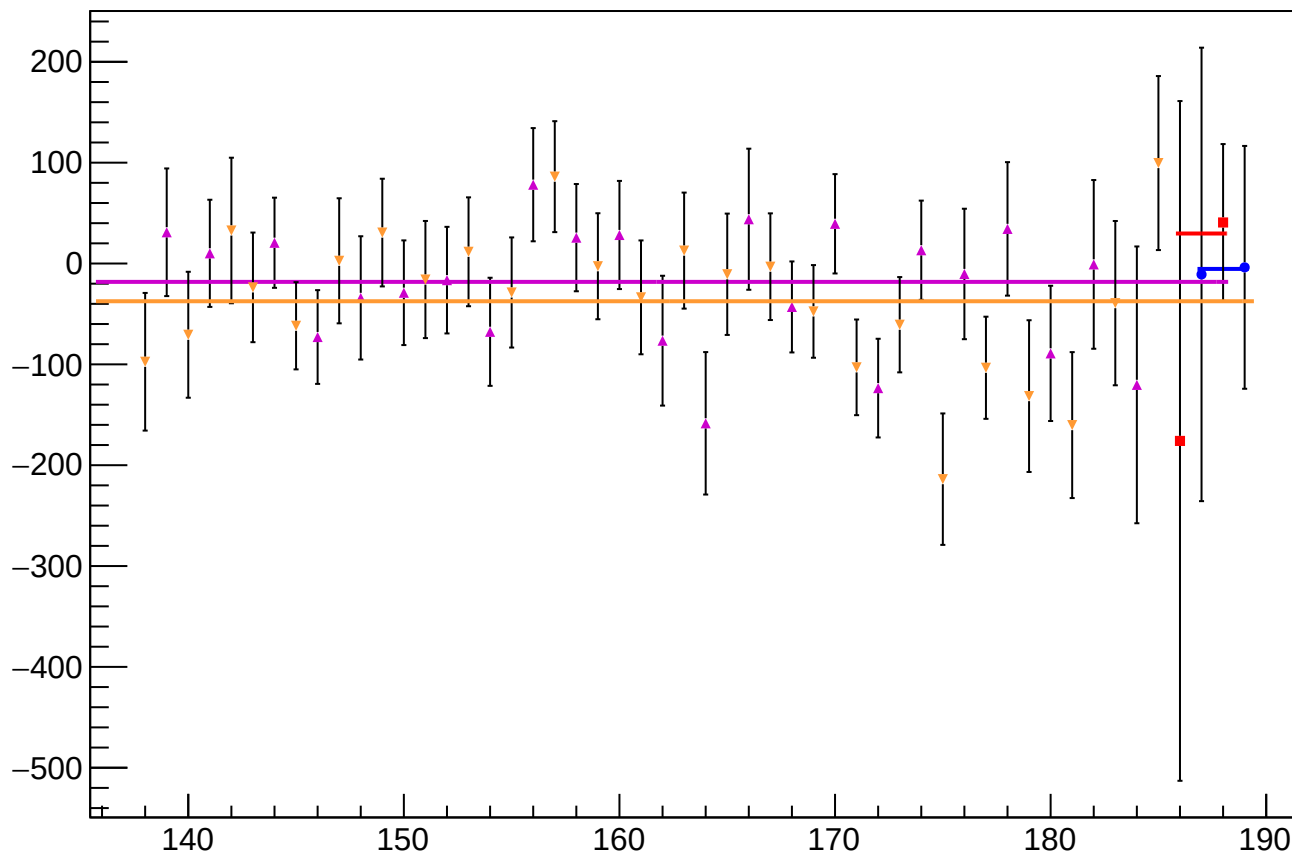
Right: 1973.995+/-1.033 χ^2/NDF : 24379.1/3

In: 477.145+/-0.083 χ^2/NDF : 2724254.7/24

Out: 482.943+/-0.081 χ^2/NDF : 3954852.8/26

All: 480.099+/-0.058 χ^2/NDF : 6681596.7/51

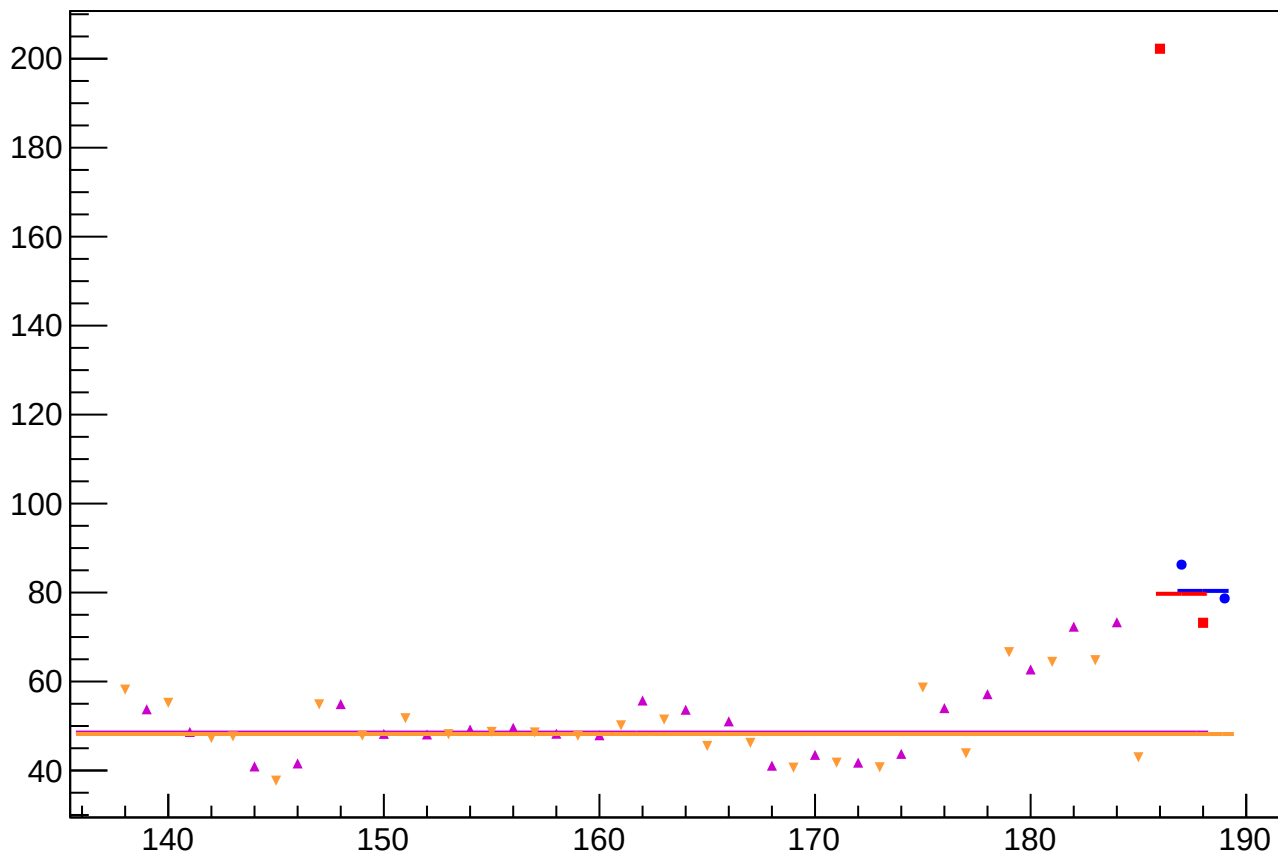
reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left: -28.141+/-8.191 χ^2/NDF : 54.8/47
 Right: 17.897+/-61.665 χ^2/NDF : 0.5/3
 In: -18.054+/-11.716 χ^2/NDF :23.0/24
 Out: -35.928+/-11.263 χ^2/NDF :31.6/26
 All: -27.343+/-8.120 χ^2/NDF : 55.8/51

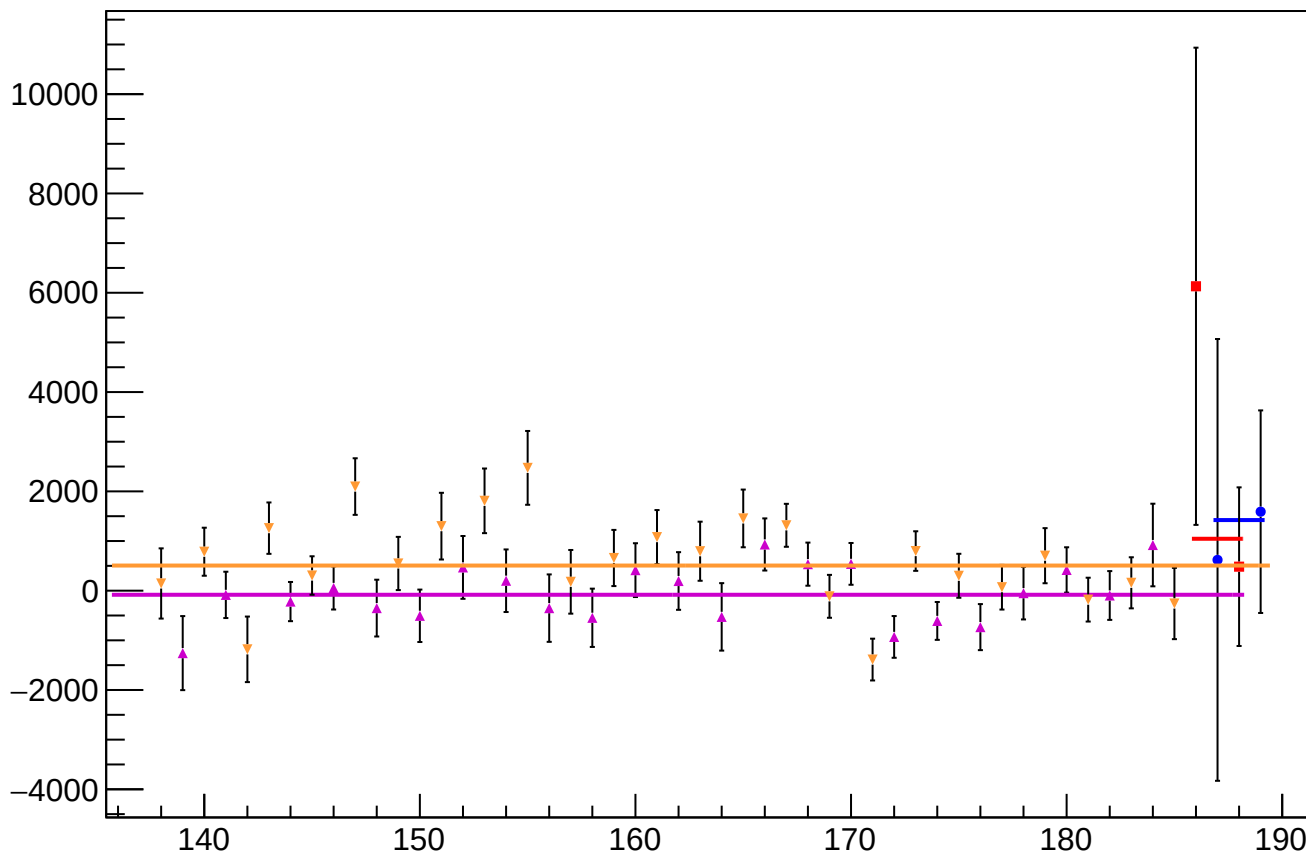
reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left: 48.358 $\pm$ 0.006 χ^2 /NDF: 1426333.4/47
 Right: 79.941 $\pm$ 0.044 χ^2 /NDF: 280214.2/3
 In: 48.915 $\pm$ 0.008 χ^2 /NDF: 854945.5/24
 Out: 48.896 $\pm$ 0.008 χ^2 /NDF: 1367149.9/26
 All: 48.905 $\pm$ 0.006 χ^2 /NDF: 2222098.0/51

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 1422.107 $\pm$ 1854.221 χ^2 /NDF: 0.0/1

Left Out: 506.205 $\pm$ 103.468 χ^2 /NDF:65.7/24

Right Out: 1045.353 $\pm$ 1515.813 χ^2 /NDF: 1.2/1

Left In: -82.421 $\pm$ 105.935 χ^2 /NDF:25.3/22

Left: 218.827 $\pm$ 74.020 χ^2 /NDF: 106.9/47

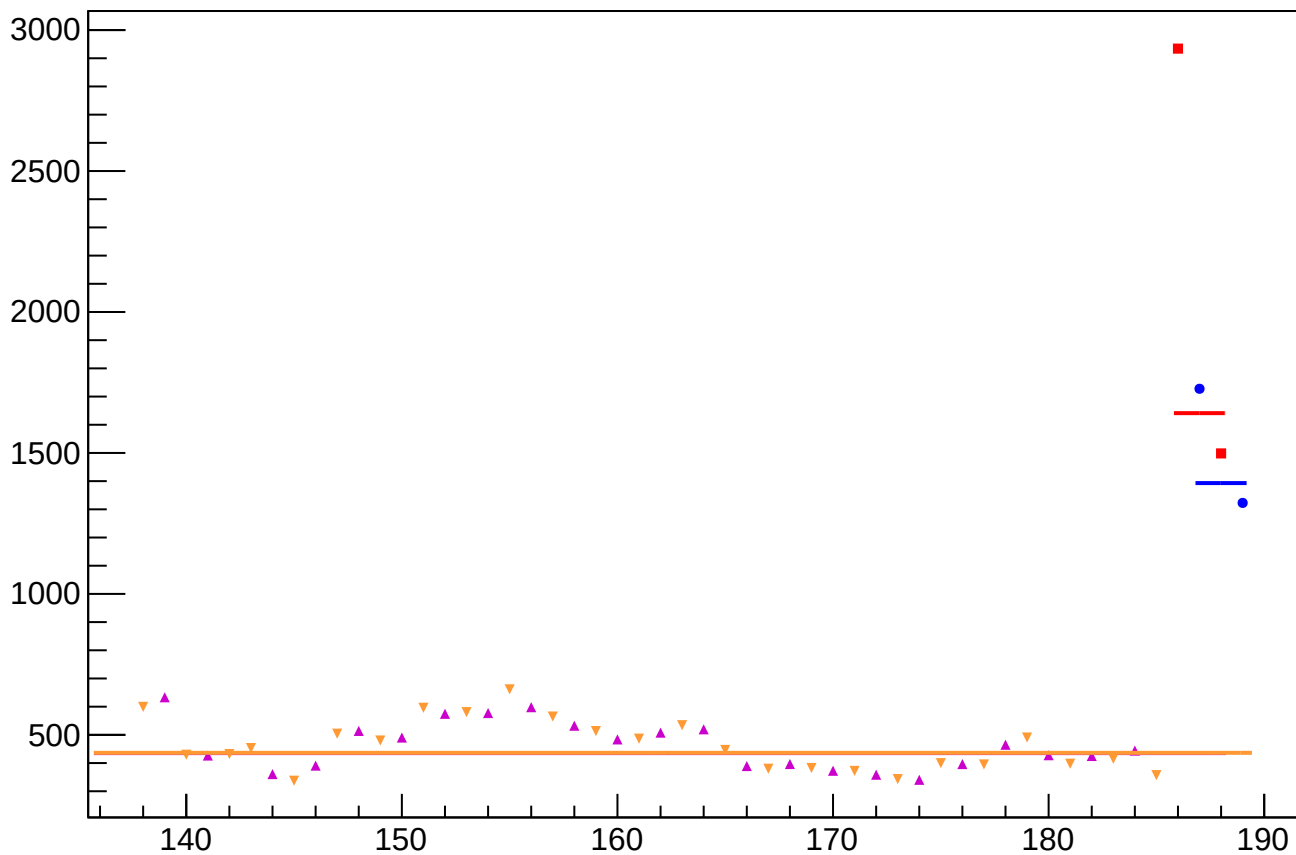
Right: 1196.275 $\pm$ 1173.571 χ^2 /NDF: 1.3/3

In: -77.526 $\pm$ 105.763 χ^2 /NDF:26.0/24

Out: 508.705 $\pm$ 103.227 χ^2 /NDF:67.1/26

All: 222.700 $\pm$ 73.873 χ^2 /NDF: 108.9/51

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left: 435.800+/-0.052 χ^2/NDF : 2207157.7/47

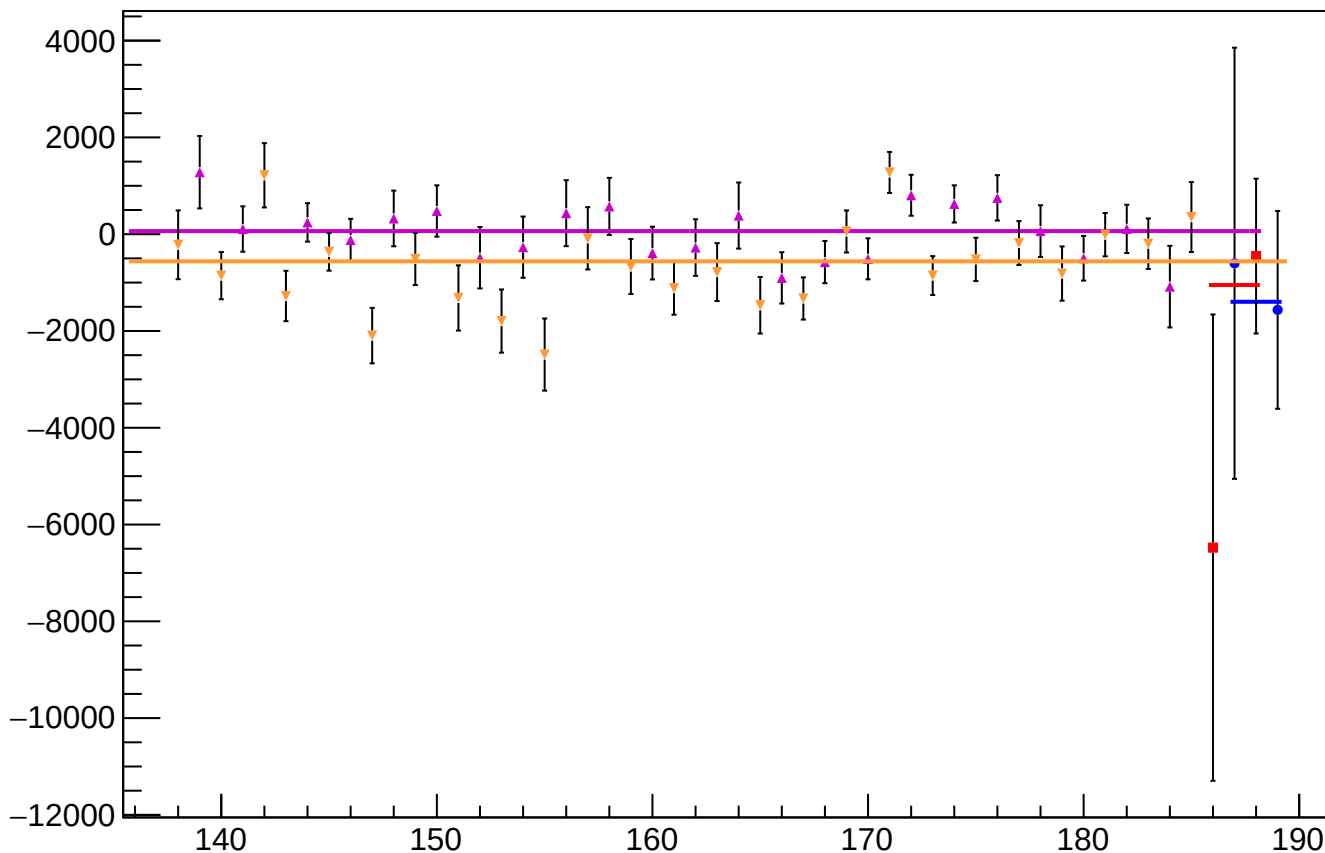
Right: 1541.822+/-0.830 χ^2/NDF : 195940.7/3

In: 438.391+/-0.075 χ^2/NDF :1573371.6/24

Out: 441.889+/-0.073 χ^2/NDF :2597958.5/26

All: 440.183+/-0.052 χ^2/NDF : 4172450.6/51

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -1396.554 $\pm$ 1857.539 χ^2 /NDF: 0.0/1

Left Out: -560.684 $\pm$ 104.207 χ^2 /NDF:61.8/24

Right Out: -1050.335 $\pm$ 1517.955 χ^2 /NDF: 1.4/1

Left In: 64.594 $\pm$ 106.708 χ^2 /NDF:25.2/22

Left: -255.457 $\pm$ 74.554 χ^2 /NDF: 104.5/47

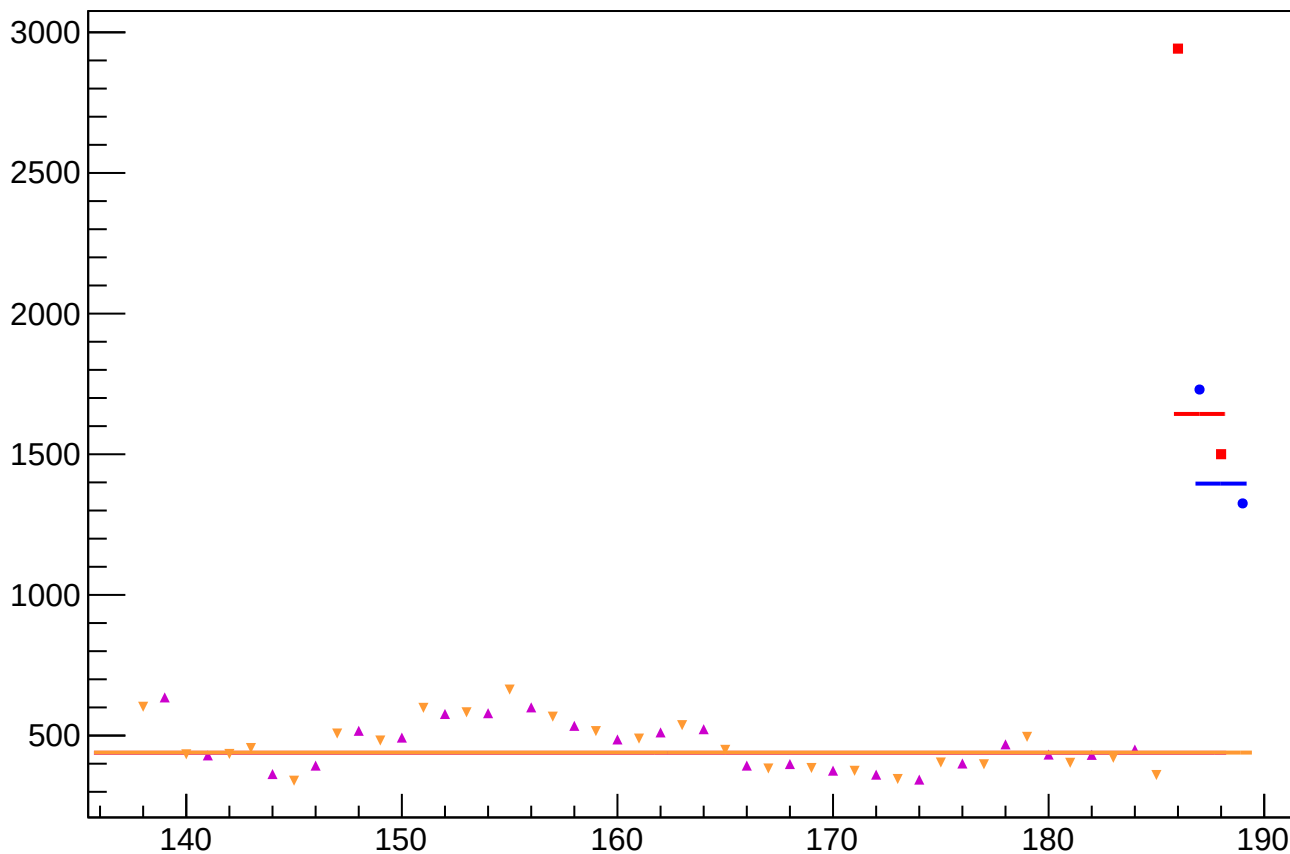
Right: -1188.963 $\pm$ 1175.406 χ^2 /NDF: 1.5/3

In: 59.788 $\pm$ 106.532 χ^2 /NDF:25.8/24

Out: -562.981 $\pm$ 103.962 χ^2 /NDF:63.3/26

All: -259.197 $\pm$ 74.404 χ^2 /NDF: 106.6/51

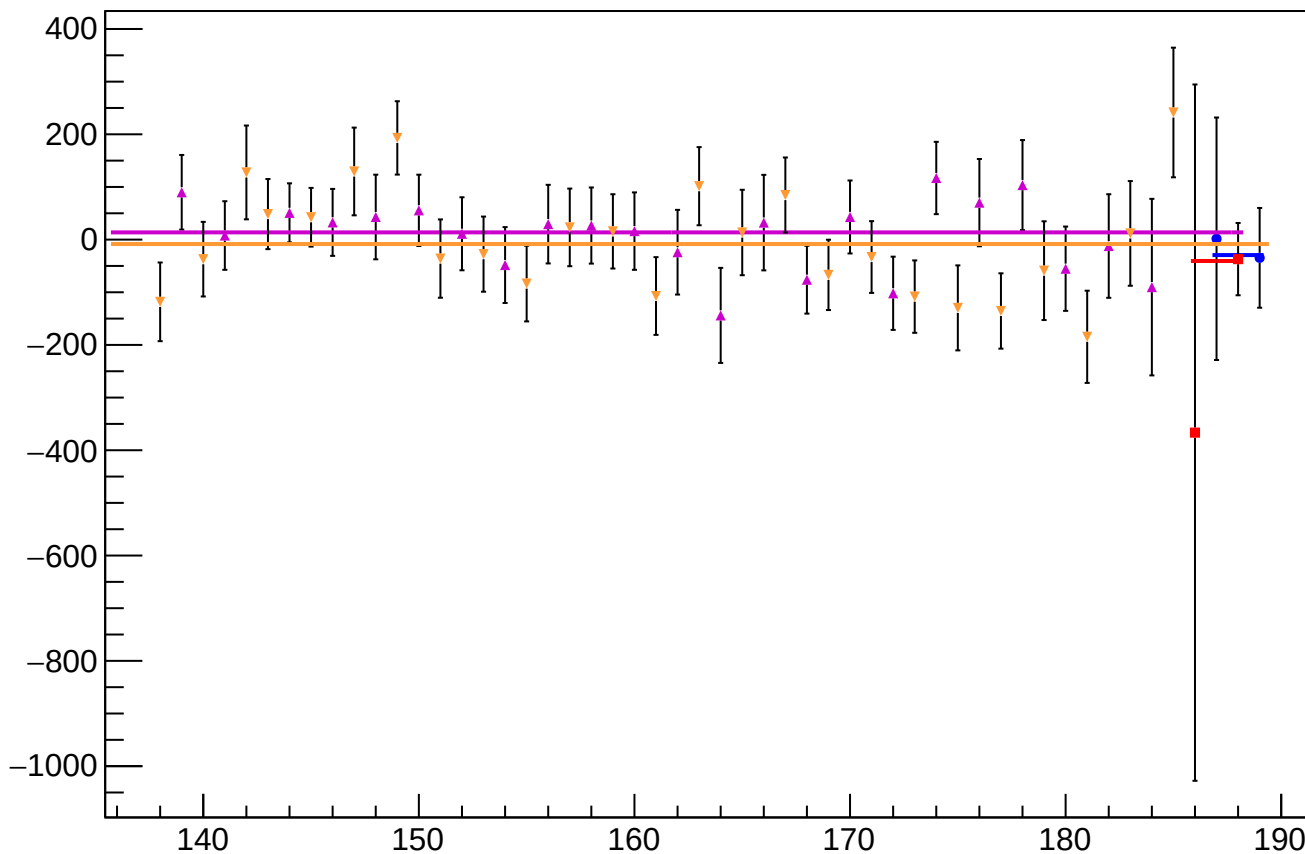
asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left: 439.049+/-0.053 χ^2/NDF : 2176510.4/47
 Right: 1544.184+/-0.831 χ^2/NDF : 196236.9/3
 In: 441.696+/-0.075 χ^2/NDF : 1555984.8/24
 Out: 445.174+/-0.074 χ^2/NDF : 2576597.3/26
 All: 443.477+/-0.053 χ^2/NDF : 4133673.8/51

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left: 2.258 ± 10.747 χ^2/NDF : 58.9/47

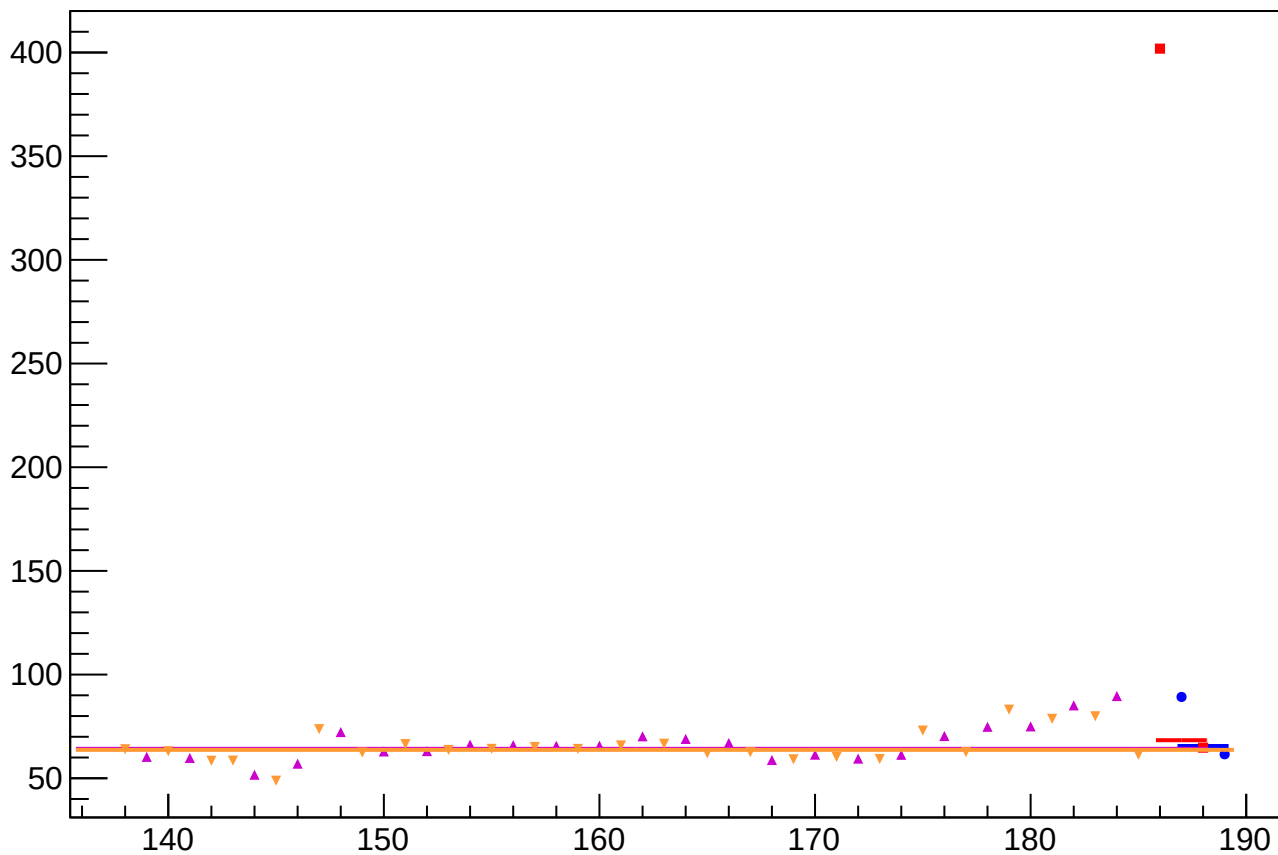
Right: -36.339 ± 53.857 χ^2/NDF : 0.3/3

In: 12.419 ± 15.242 χ^2/NDF : 16.5/24

Out: -9.884 ± 14.590 χ^2/NDF : 42.1/26

All: 0.780 ± 10.540 χ^2/NDF : 59.7/51

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left: 63.934 $\pm$ 0.008 χ^2 /NDF: 879161.0/47

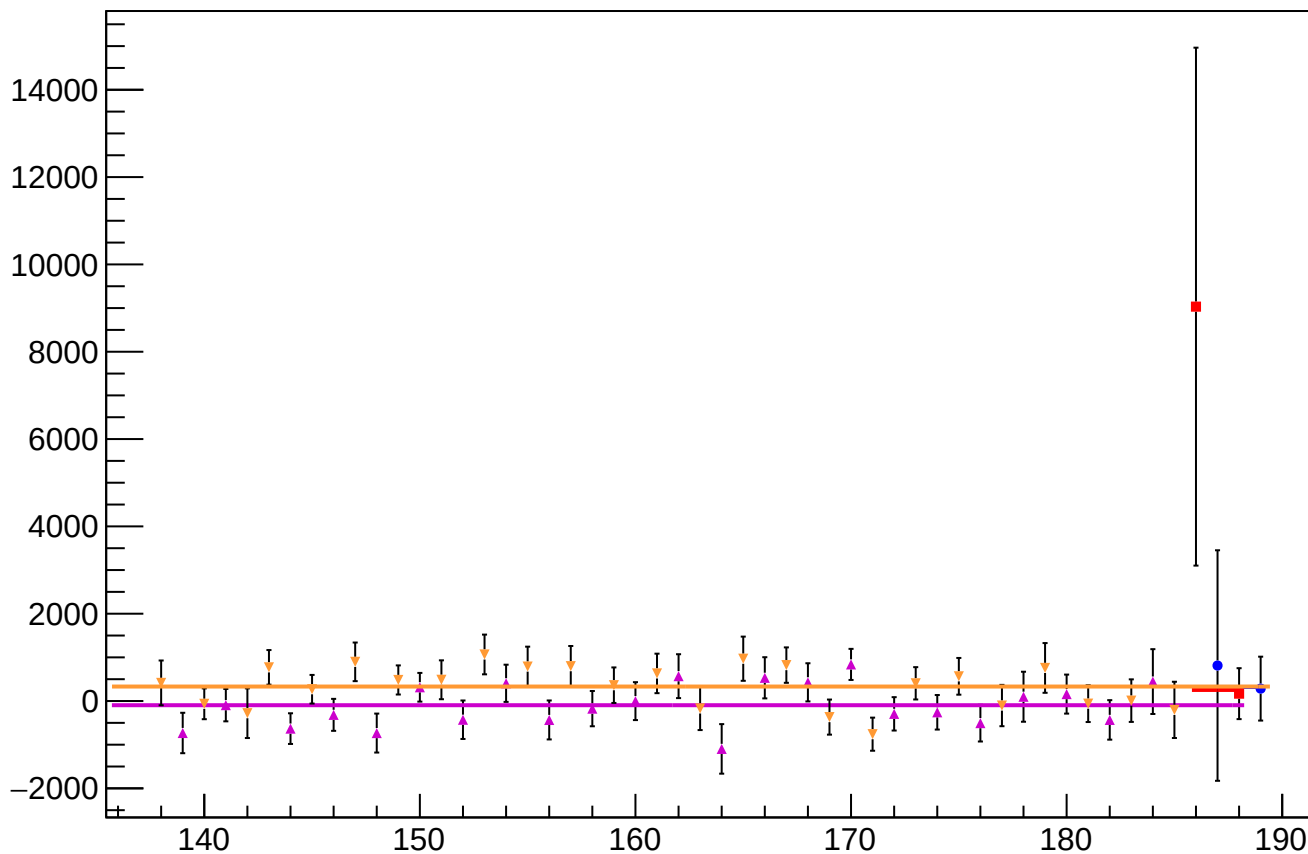
Right: 67.290 $\pm$ 0.038 χ^2 /NDF: 540309.8/3

In: 64.230 $\pm$ 0.011 χ^2 /NDF: 454838.0/24

Out: 63.908 $\pm$ 0.010 χ^2 /NDF: 971637.7/26

All: 64.062 $\pm$ 0.007 χ^2 /NDF: 1426941.5/51

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left: 124.240 $\pm$ 61.755 χ^2 /NDF: 70.5/47

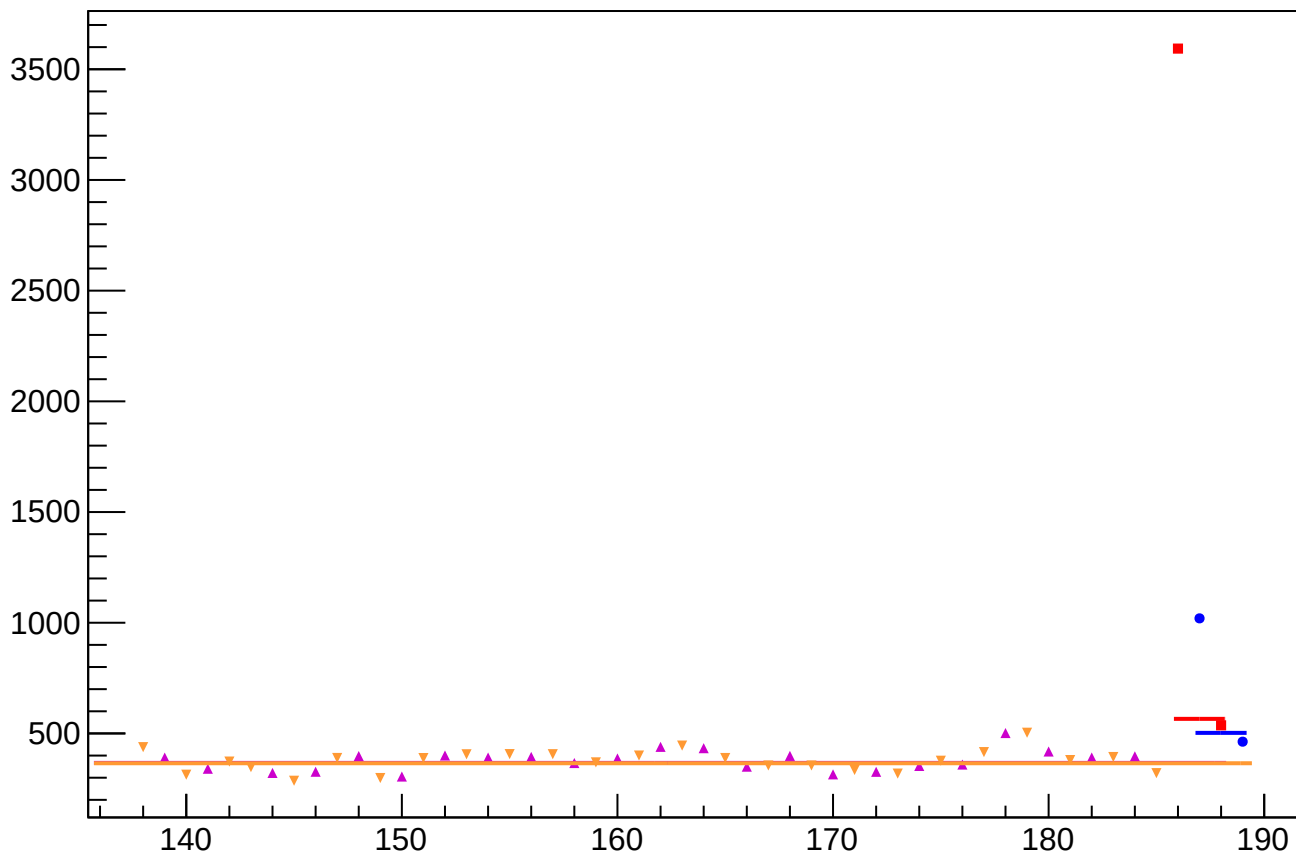
Right: 281.167 $\pm$ 448.153 χ^2 /NDF: 2.3/3

In: -89.411 $\pm$ 87.963 χ^2 /NDF:29.1/24

Out: 330.059 $\pm$ 85.140 χ^2 /NDF:32.1/26

All: 127.164 $\pm$ 61.177 χ^2 /NDF: 72.9/51

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left: 366.117+/-0.044 χ^2/NDF : 1096858.5/47

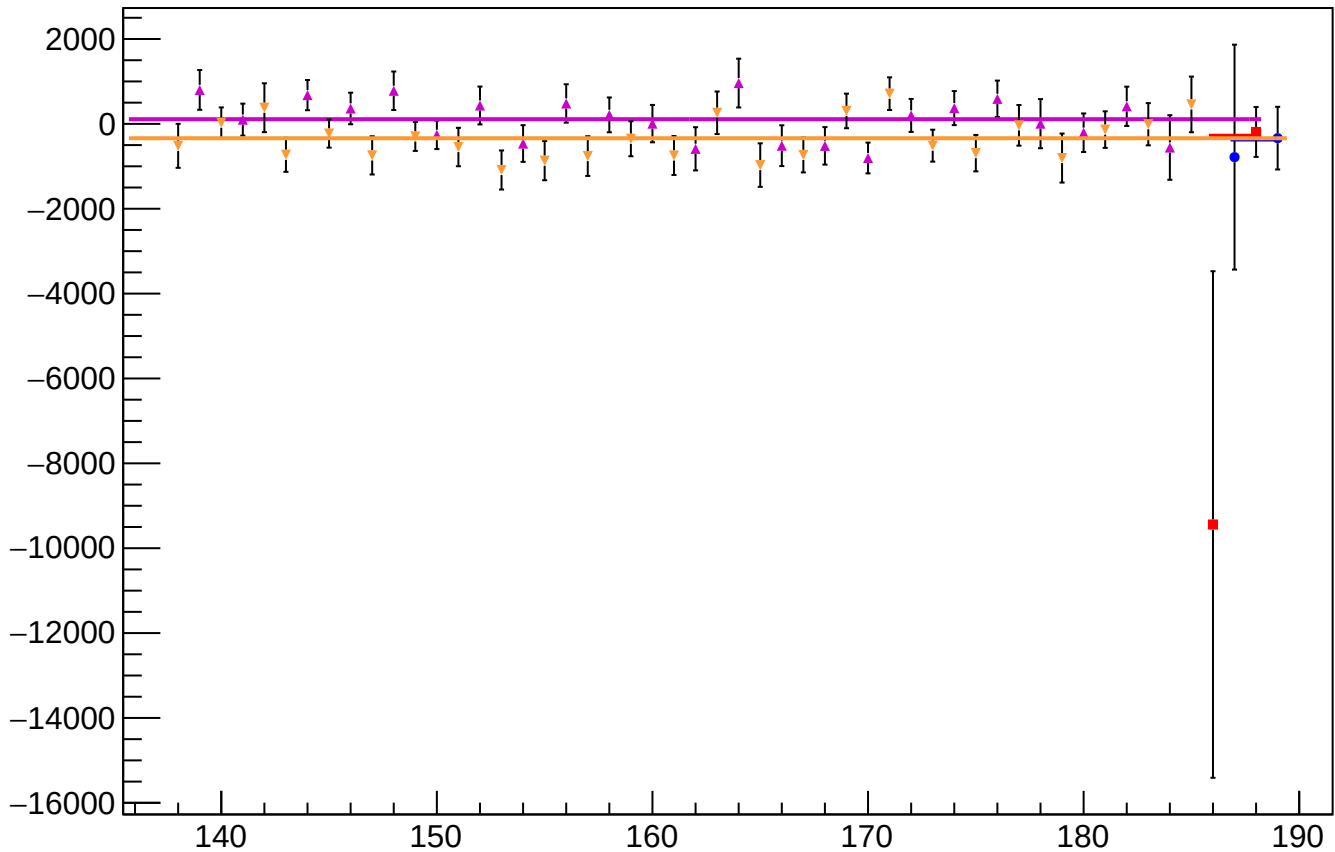
Right: 540.267+/-0.317 χ^2/NDF : 618406.6/3

In: 369.035+/-0.062 χ^2/NDF : 633569.4/24

Out: 369.669+/-0.060 χ^2/NDF : 1378028.0/26

All: 369.362+/-0.043 χ^2/NDF : 2011651.0/51

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left: -120.751+/-62.747 χ^2/NDF : 70.2/47

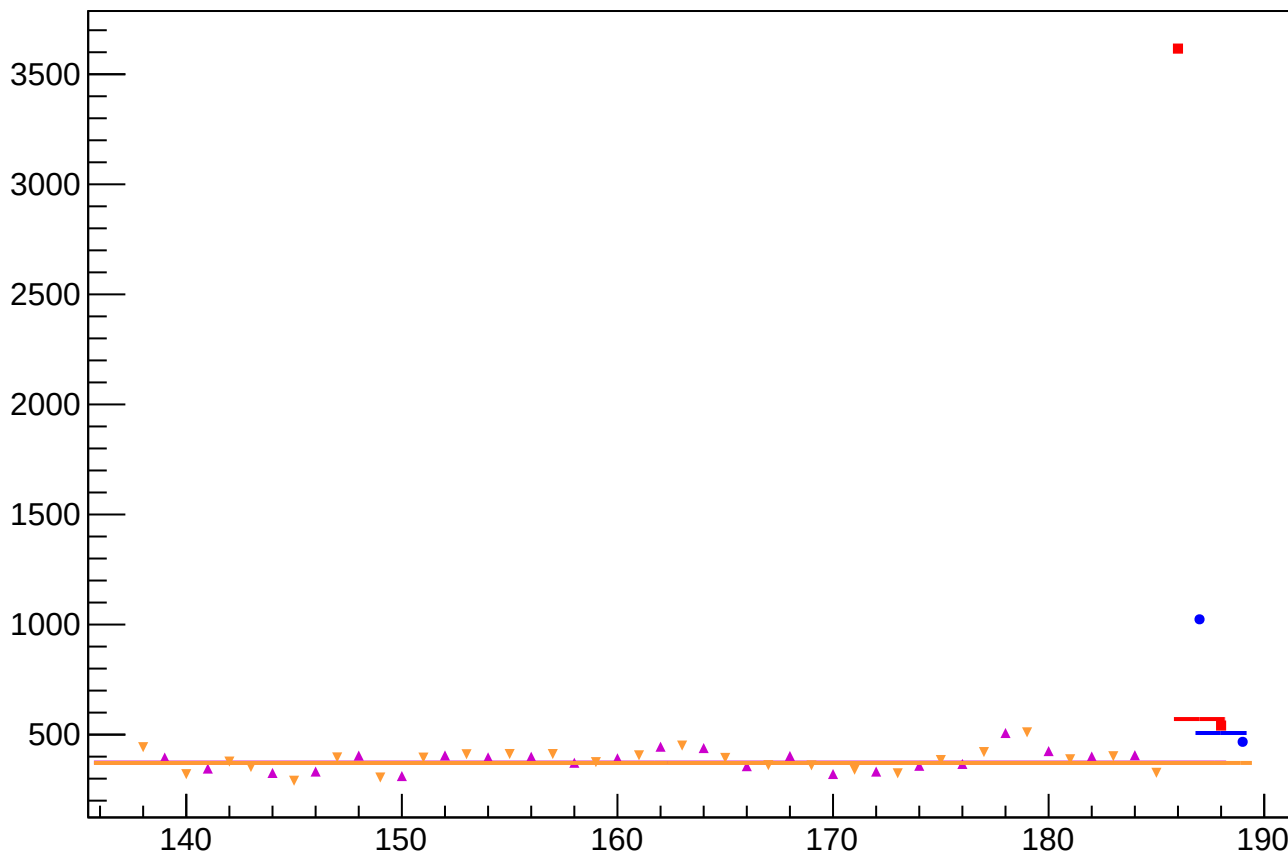
Right: -315.814+/-451.887 χ^2/NDF : 2.4/3

In: 102.779+/-89.370 χ^2/NDF : 29.7/24

Out: -337.249+/-86.490 χ^2/NDF : 30.6/26

All: -124.441+/-62.151 χ^2/NDF : 72.8/51

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left: 372.123 $\pm$ 0.044 χ^2 /NDF: 1071729.1/47

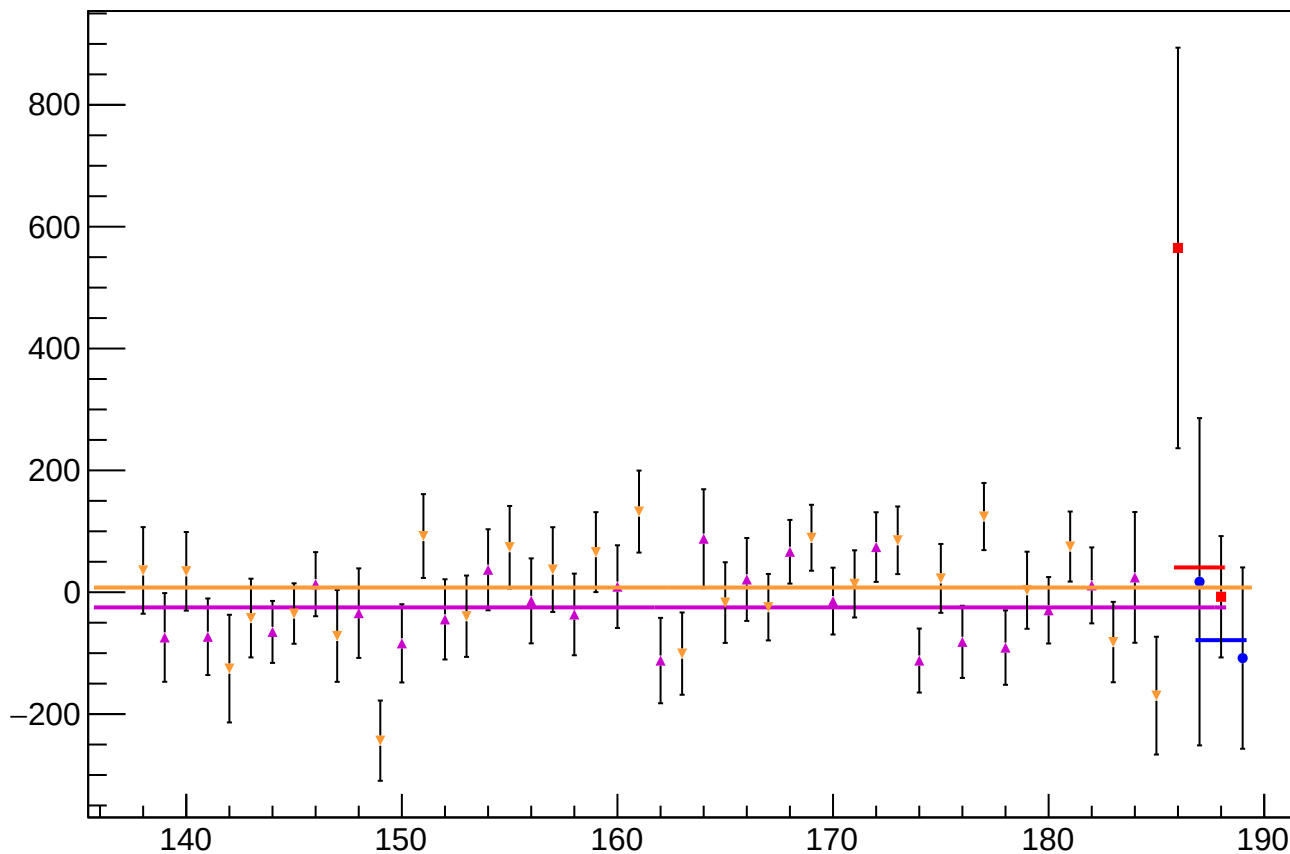
Right: 545.173 $\pm$ 0.320 χ^2 /NDF: 617103.4/3

In: 375.059 $\pm$ 0.063 χ^2 /NDF: 619475.0/24

Out: 375.713 $\pm$ 0.061 χ^2 /NDF: 1357053.7/26

All: 375.397 $\pm$ 0.044 χ^2 /NDF: 1976584.0/51

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -78.659 ± 130.183 $\chi^2/\text{NDF}: 0.2/1$

Left Out: 7.723 ± 12.656 $\chi^2/\text{NDF}: 45.4/24$

Right Out: 40.693 ± 95.307 $\chi^2/\text{NDF}: 2.8/1$

Left In: -24.887 ± 13.029 $\chi^2/\text{NDF}: 19.7/22$

Left: -8.108 ± 9.078 $\chi^2/\text{NDF}: 68.4/47$

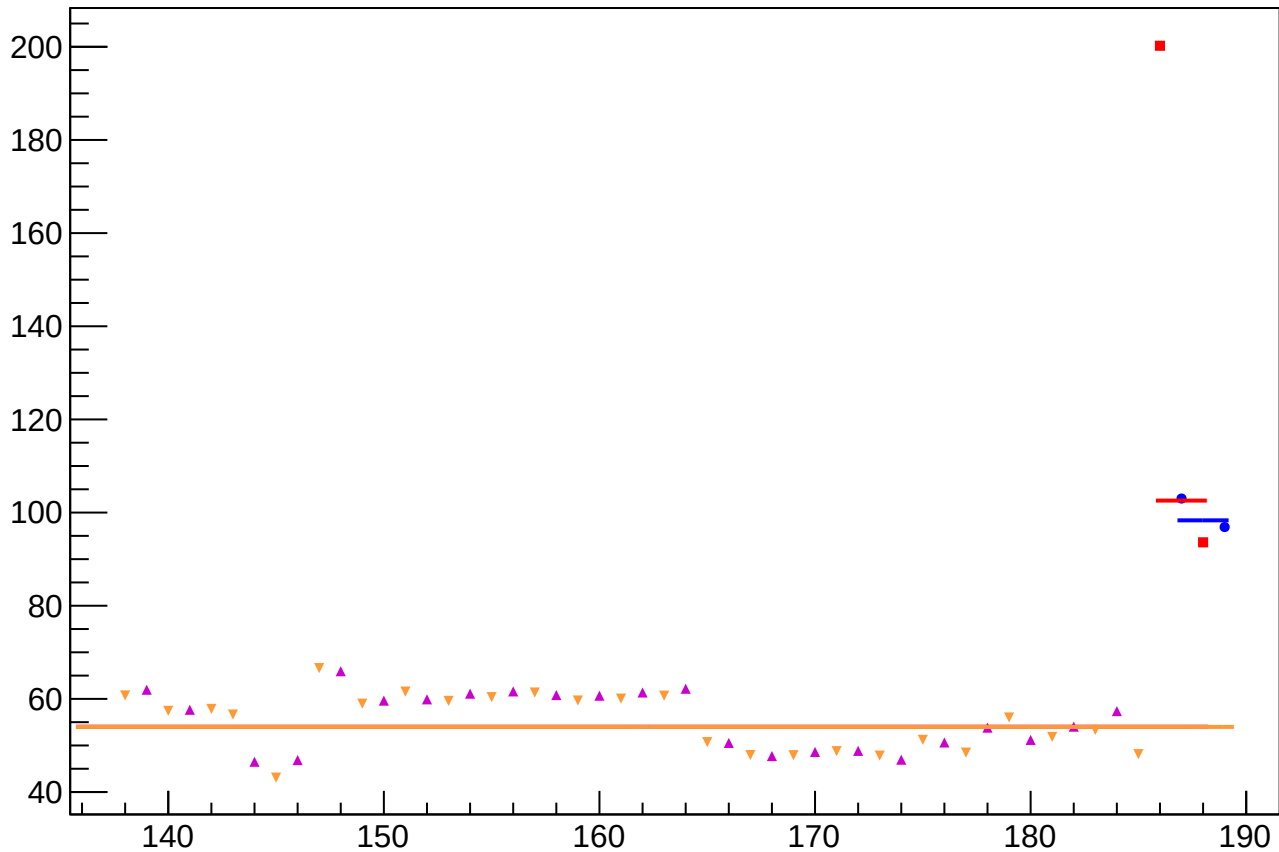
Right: -0.954 ± 76.901 $\chi^2/\text{NDF}: 3.5/3$

In: -25.421 ± 12.964 $\chi^2/\text{NDF}: 20.1/24$

Out: 8.295 ± 12.546 $\chi^2/\text{NDF}: 48.3/26$

All: -8.010 ± 9.015 $\chi^2/\text{NDF}: 71.9/51$

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left: 54.005 $\pm$ 0.006 χ^2 /NDF: 902803.3/47

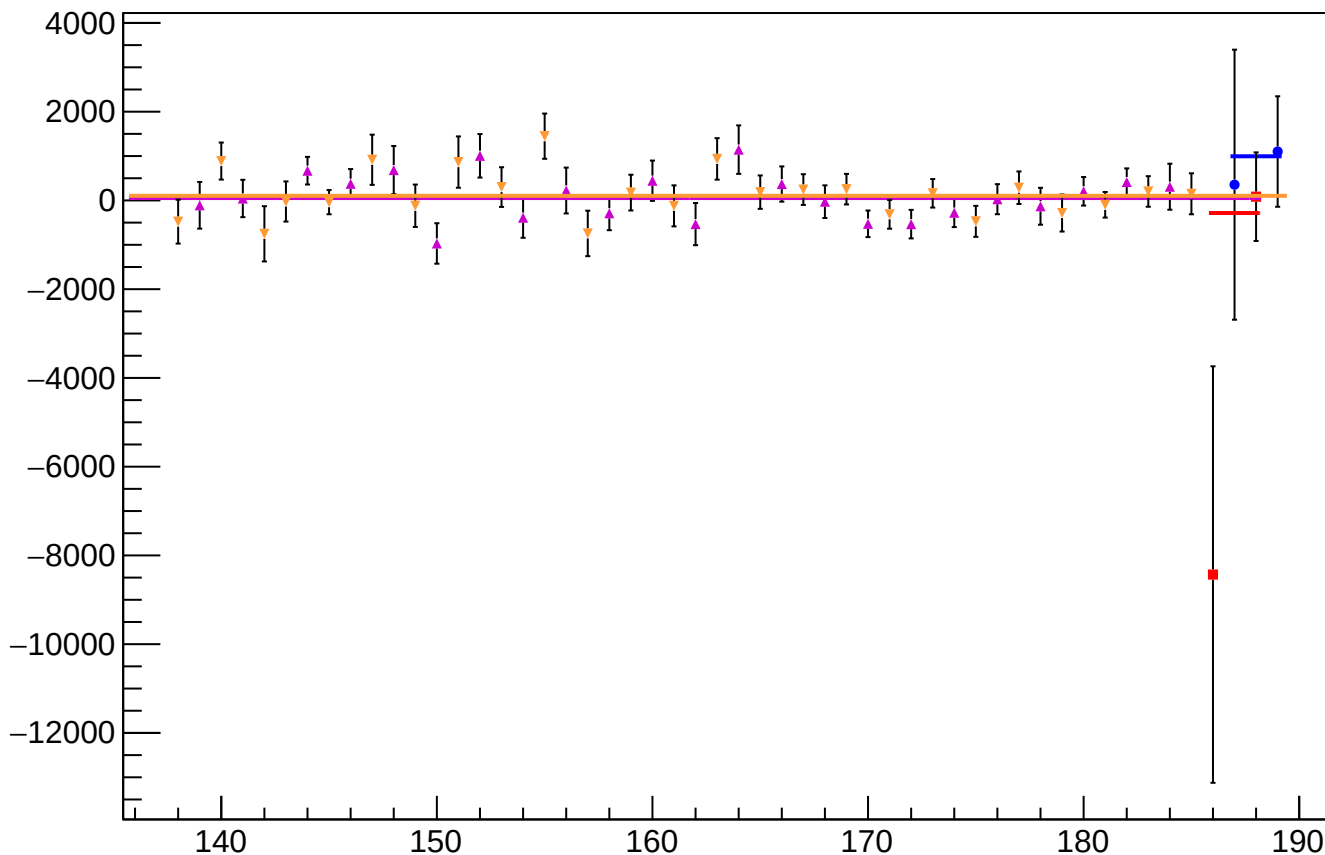
Right: 101.094 $\pm$ 0.054 χ^2 /NDF: 194845.2/3

In: 54.467 $\pm$ 0.009 χ^2 /NDF: 673948.0/24

Out: 54.826 $\pm$ 0.009 χ^2 /NDF: 1162491.3/26

All: 54.652 $\pm$ 0.006 χ^2 /NDF: 1837229.5/51

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 994.901 $\pm$ 1152.369 χ^2 /NDF: 0.1/1

Left Out: 103.768 $\pm$ 79.344 χ^2 /NDF:31.0/24

Right Out: -283.602 $\pm$ 975.857 χ^2 /NDF: 3.2/1

Left In: 53.493 $\pm$ 81.201 χ^2 /NDF:34.1/22

Left: 79.212 $\pm$ 56.750 χ^2 /NDF: 65.3/47

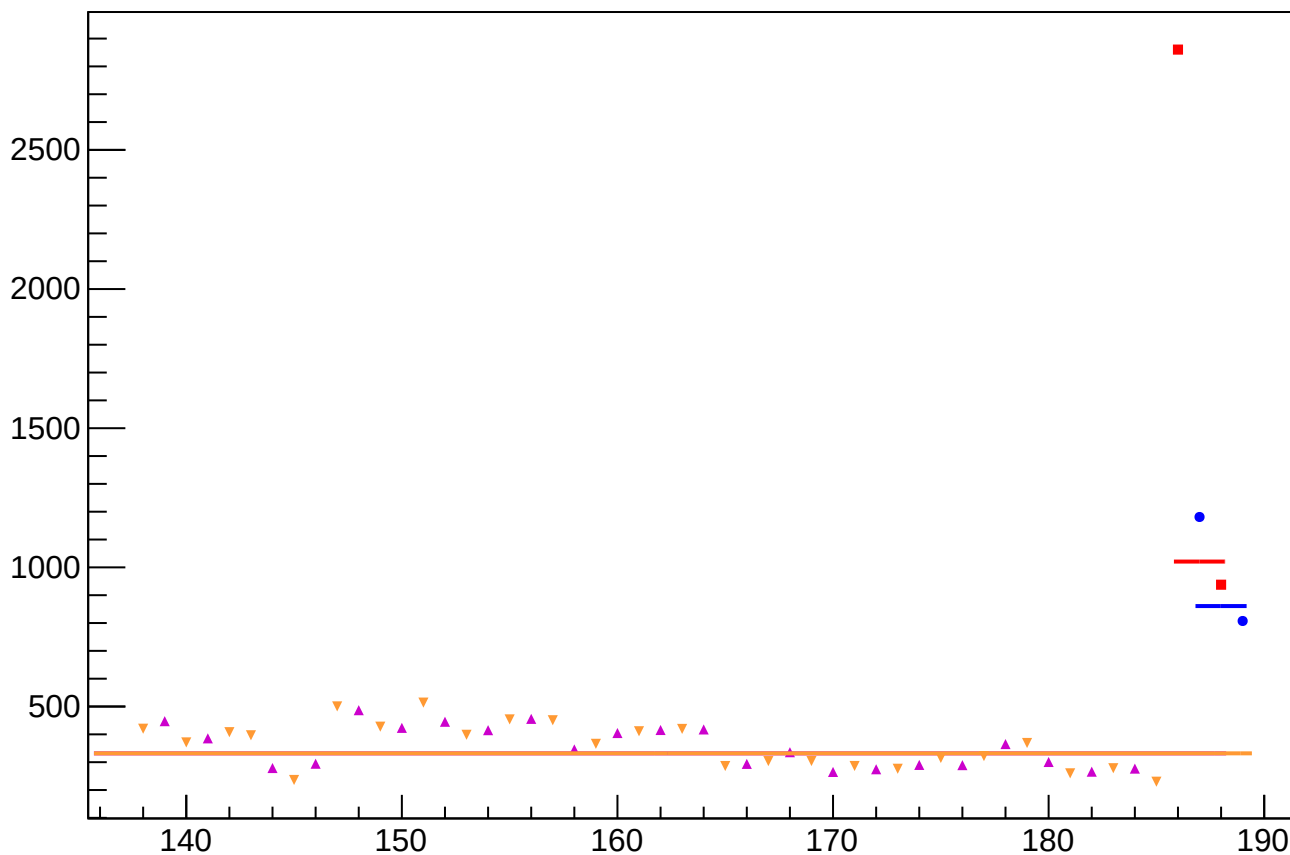
Right: 250.337 $\pm$ 744.709 χ^2 /NDF: 3.9/3

In: 58.144 $\pm$ 81.000 χ^2 /NDF:34.8/24

Out: 101.224 $\pm$ 79.083 χ^2 /NDF:34.3/26

All: 80.200 $\pm$ 56.586 χ^2 /NDF: 69.2/51

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 860.959+/-0.815 χ^2/NDF : 25838.1/1

Left Out: 331.770+/-0.056 χ^2/NDF : 1711721.9/24

Right Out: 1020.834+/-0.690 χ^2/NDF : 321211.8/1

Left In: 331.666+/-0.057 χ^2/NDF : 1303192.2/22

Left: 331.719+/-0.040 χ^2/NDF : 3014915.7/47

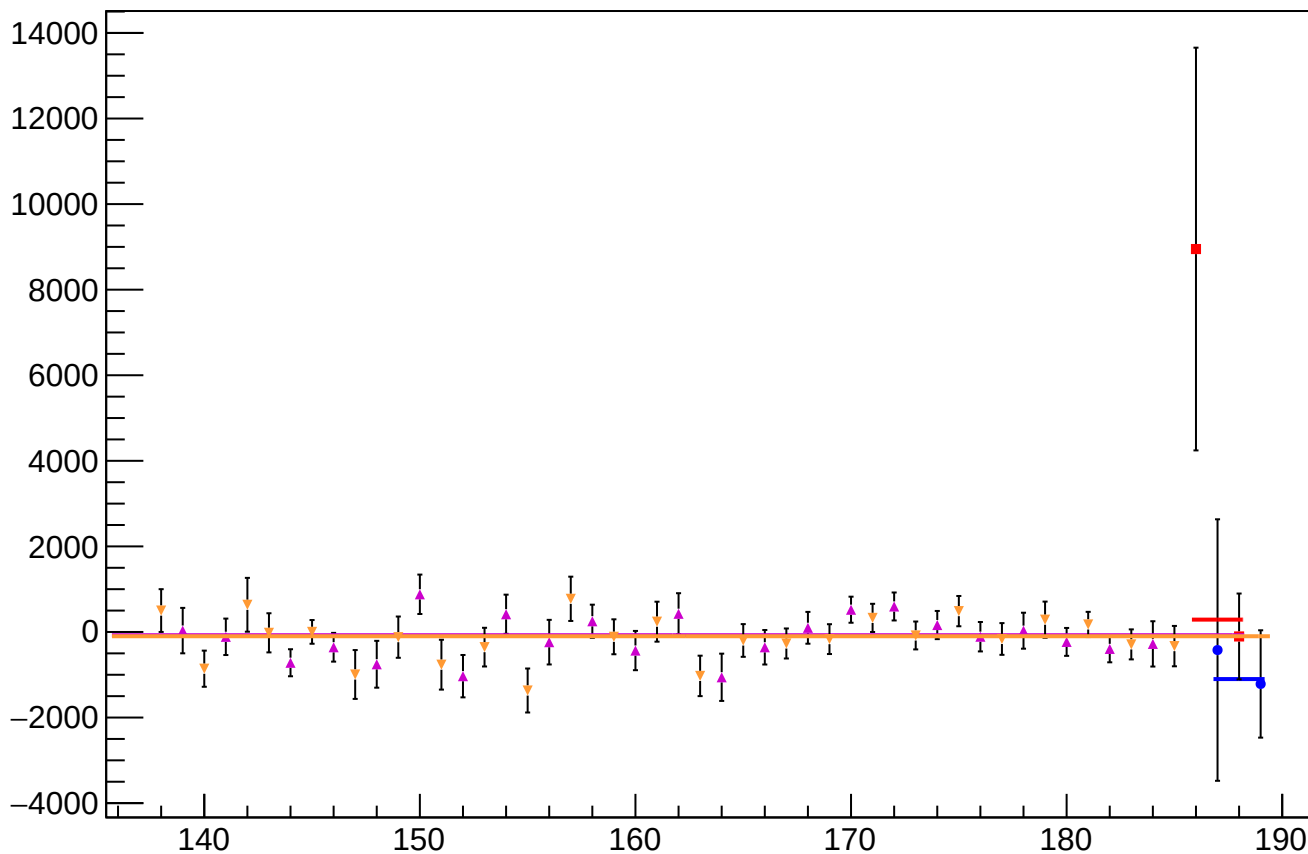
Right: 954.066+/-0.527 χ^2/NDF : 369468.3/3

In: 334.281+/-0.057 χ^2/NDF : 1748875.4/24

Out: 336.296+/-0.056 χ^2/NDF : 3023570.5/26

All: 335.312+/-0.040 χ^2/NDF : 4773079.5/51

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left: -87.963+/-57.528 χ^2/NDF : 62.8/47

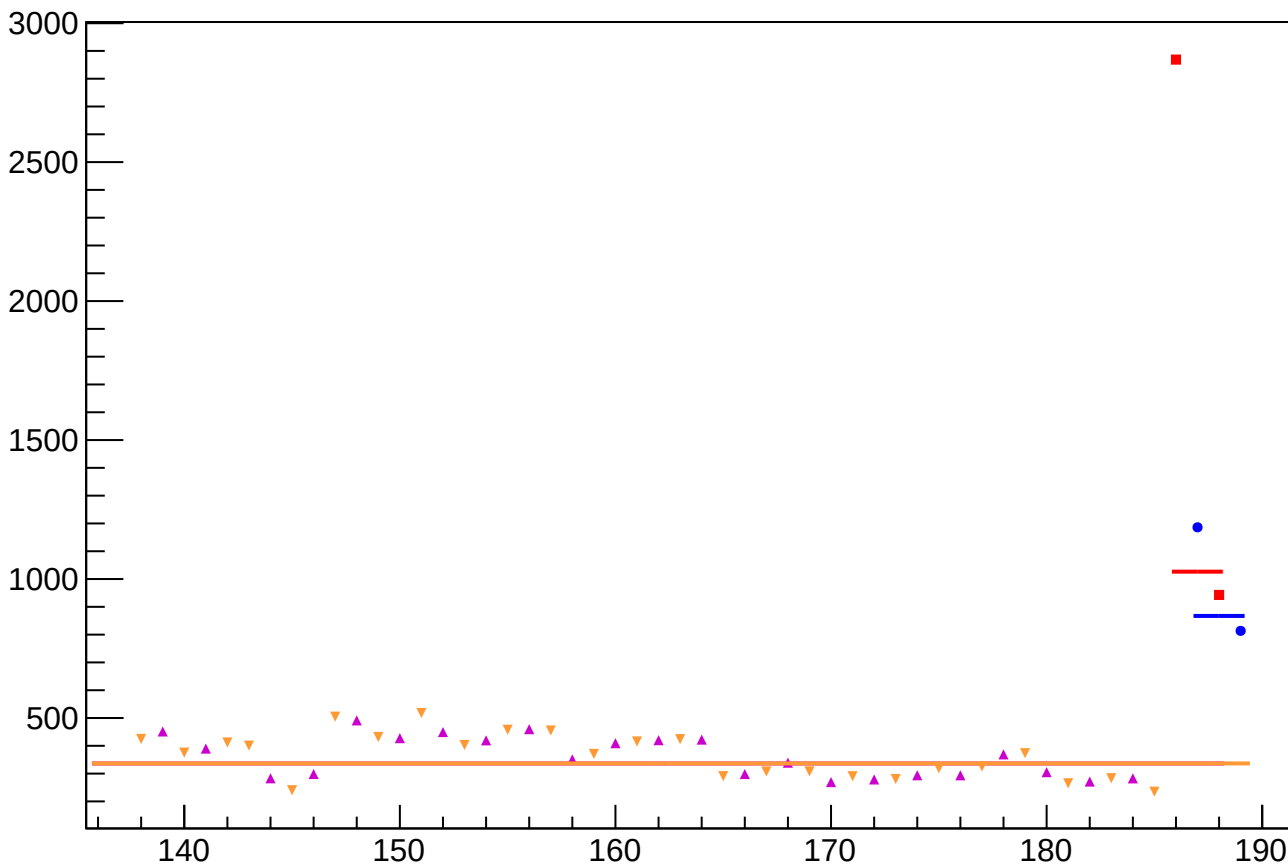
Right: -290.315+/-749.195 χ^2/NDF : 4.4/3

In: -80.711+/-82.112 χ^2/NDF : 32.9/24

Out: -97.191+/-80.159 χ^2/NDF : 34.4/26

All: -89.149+/-57.359 χ^2/NDF : 67.3/51

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 867.257+/-0.821 χ^2/NDF : 25434.4/1

Left Out: 336.557+/-0.057 χ^2/NDF :1665919.4/24

Right Out: 1026.530+/-0.694 χ^2/NDF : 320389.0/1

Left In: 336.439+/-0.058 χ^2/NDF :1269066.3/22

Left: 336.500+/-0.041 χ^2/NDF : 2934987.9/47

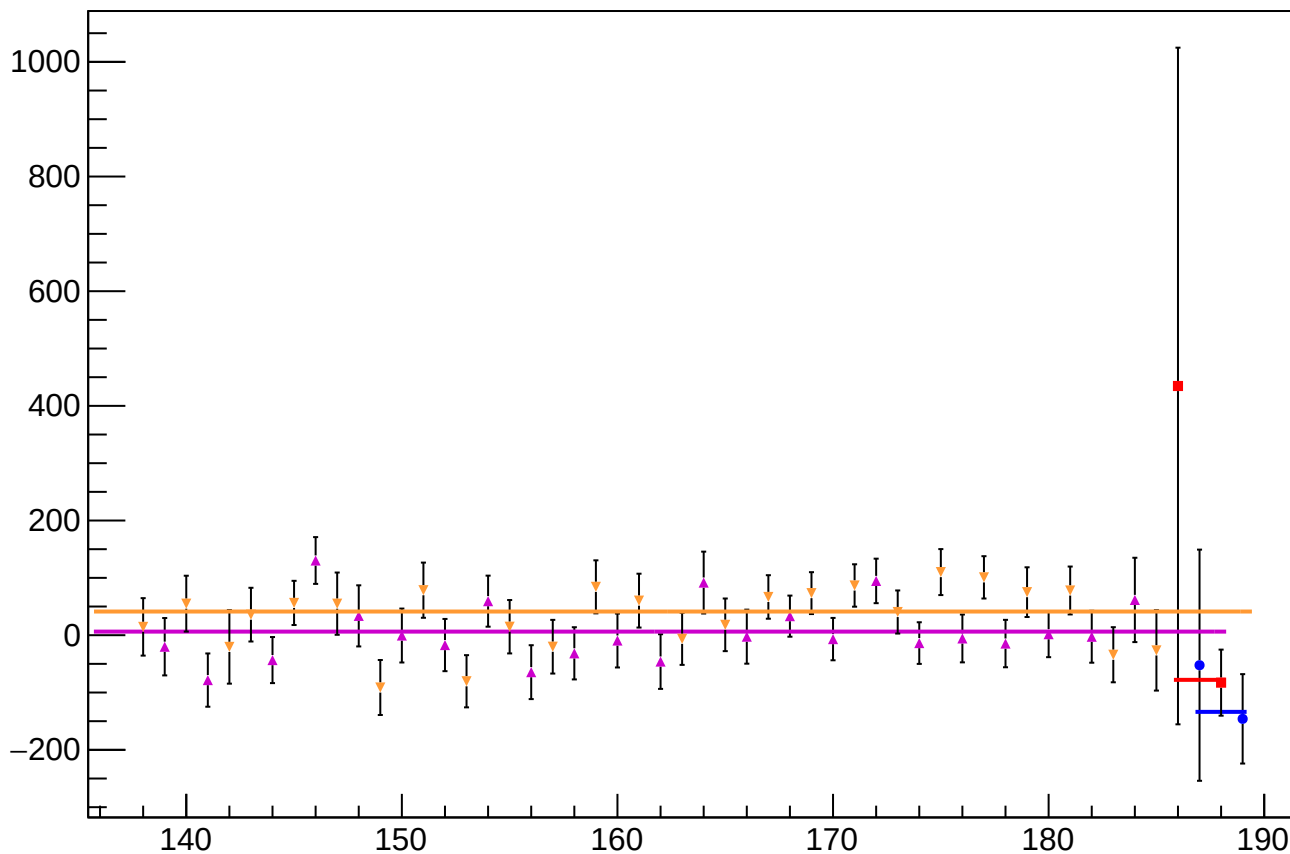
Right: 960.150+/-0.530 χ^2/NDF : 367795.0/3

In: 339.097+/-0.058 χ^2/NDF :1710838.4/24

Out: 341.164+/-0.057 χ^2/NDF :2969038.4/26

All: 340.155+/-0.041 χ^2/NDF : 4680525.8/51

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left: 24.322+/-6.384 χ^2/NDF : 72.2/47

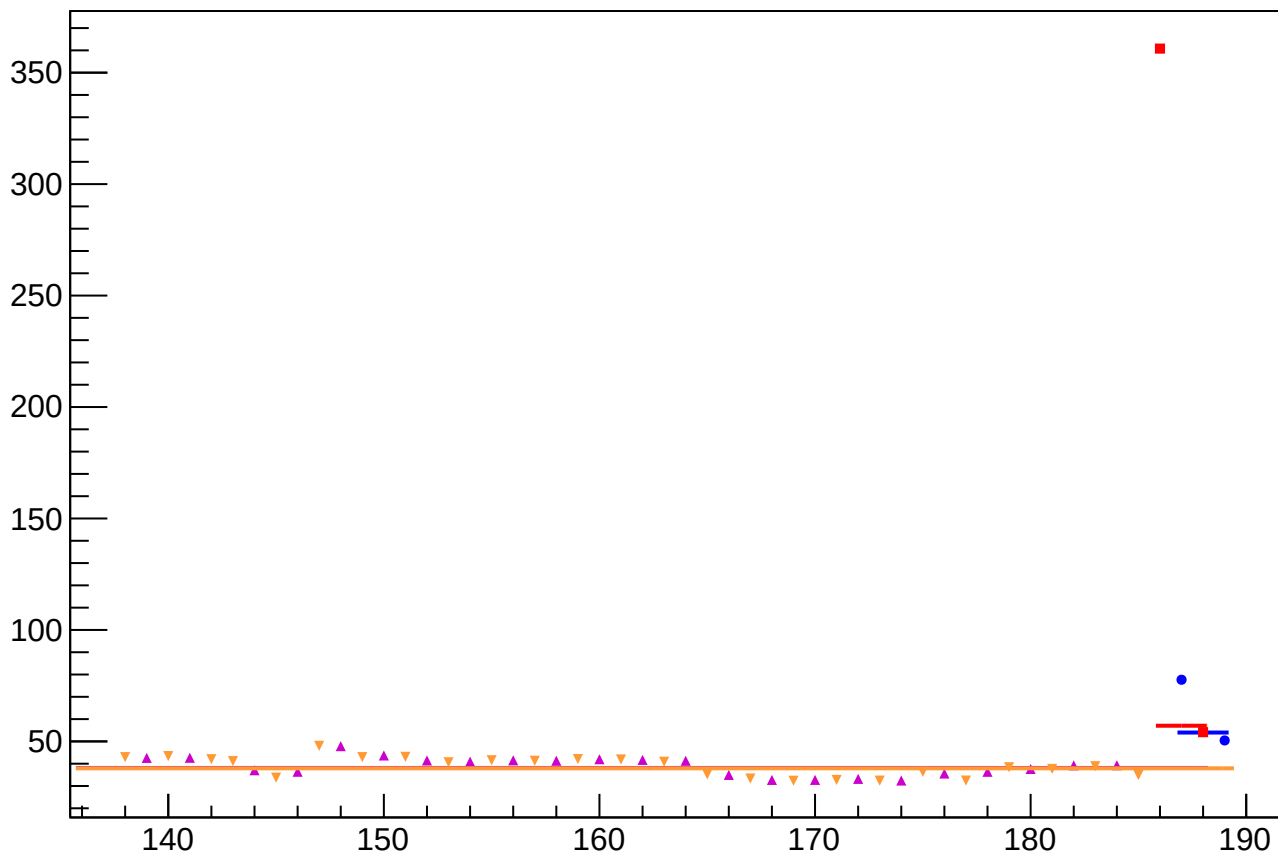
Right: -99.304+/-45.029 χ^2/NDF : 1.3/3

In: 4.061+/-9.103 χ^2/NDF :34.1/24

Out: 38.487+/-8.784 χ^2/NDF :39.3/26

All: 21.886+/-6.321 χ^2/NDF : 80.9/51

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left: 38.004 $\pm$ 0.005 χ^2 /NDF: 883742.3/47

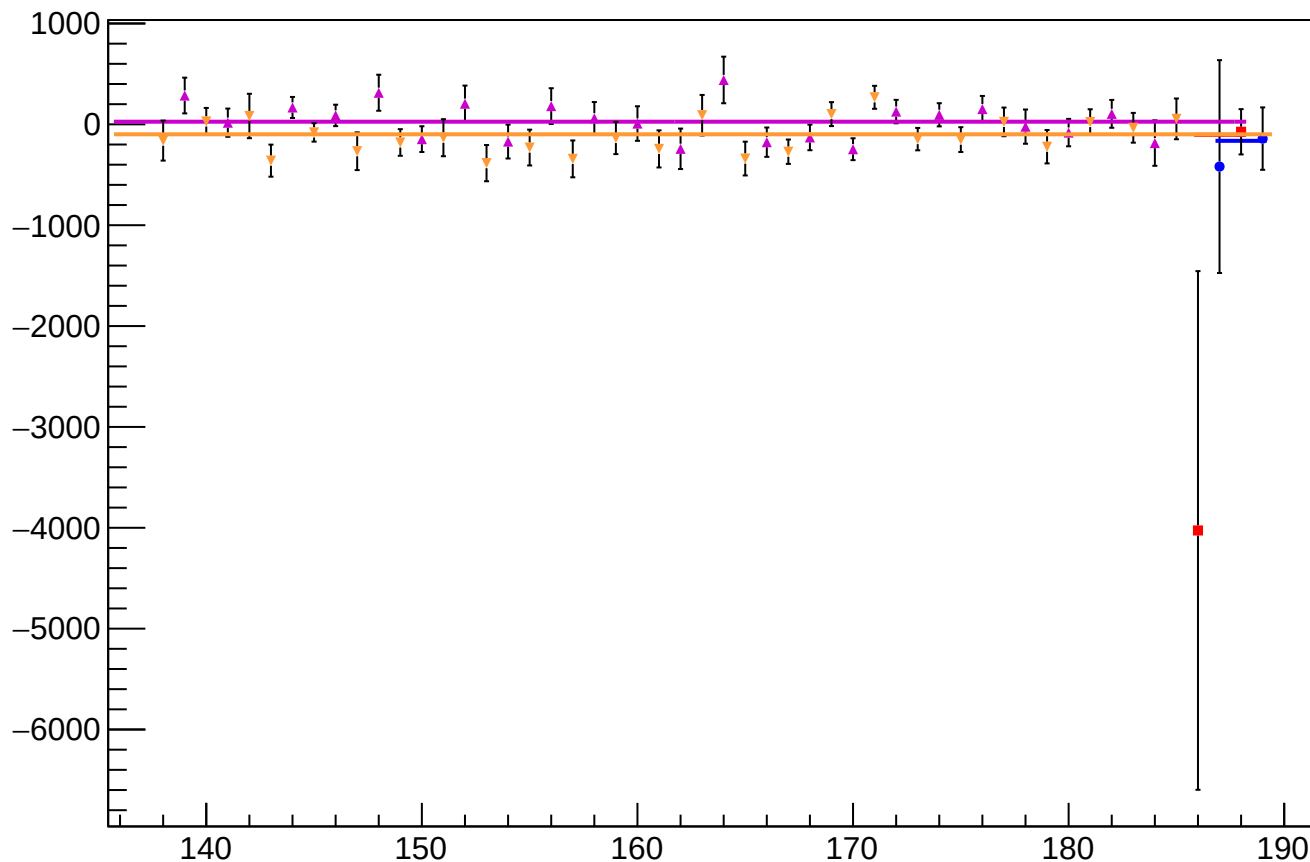
Right: 55.861 $\pm$ 0.032 χ^2 /NDF: 568861.1/3

In: 38.336 $\pm$ 0.006 χ^2 /NDF: 522027.7/24

Out: 38.373 $\pm$ 0.006 χ^2 /NDF: 1238914.5/26

All: 38.356 $\pm$ 0.004 χ^2 /NDF: 1760959.6/51

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -163.374 $\pm$ 296.859 χ^2 /NDF: 0.1/1

Left Out: -98.741 $\pm$ 29.095 χ^2 /NDF:32.7/24

Right Out: -103.606 $\pm$ 223.720 χ^2 /NDF: 2.3/1

Left In: 26.223 $\pm$ 29.676 χ^2 /NDF:30.7/22

Left: -37.493 $\pm$ 20.776 χ^2 /NDF: 72.5/47

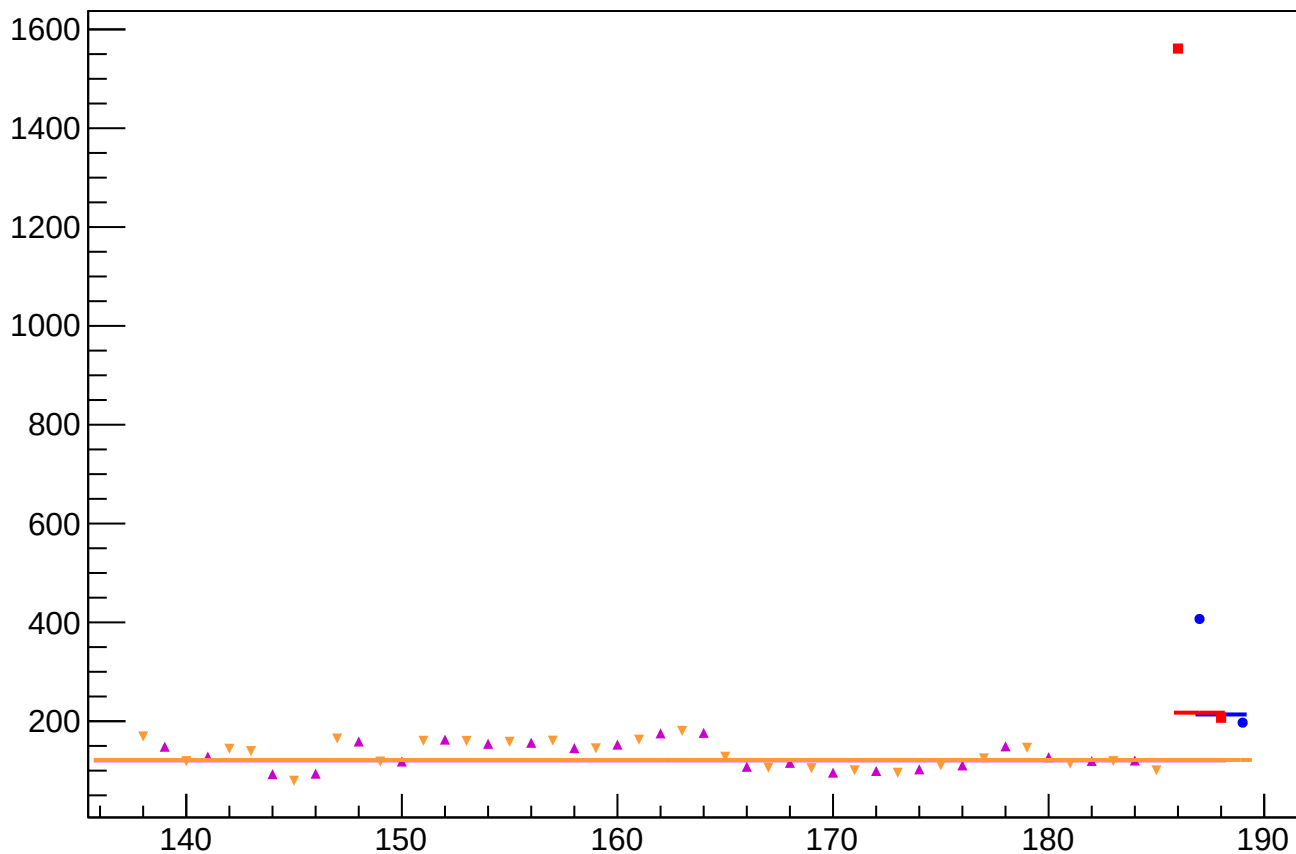
Right: -125.255 $\pm$ 178.665 χ^2 /NDF: 2.4/3

In: 24.347 $\pm$ 29.528 χ^2 /NDF:31.1/24

Out: -98.822 $\pm$ 28.852 χ^2 /NDF:35.1/26

All: -38.664 $\pm$ 20.637 χ^2 /NDF: 75.1/51

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 213.676 $\pm$ 0.210 χ^2 /NDF: 72860.4/1

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF:1711423.9/24

Right Out: 217.293 $\pm$ 0.158 χ^2 /NDF: 550525.3/1

Left In: 120.927 $\pm$ 0.021 χ^2 /NDF:1382861.4/22

Left: 121.266 $\pm$ 0.015 χ^2 /NDF: 3094797.5/47

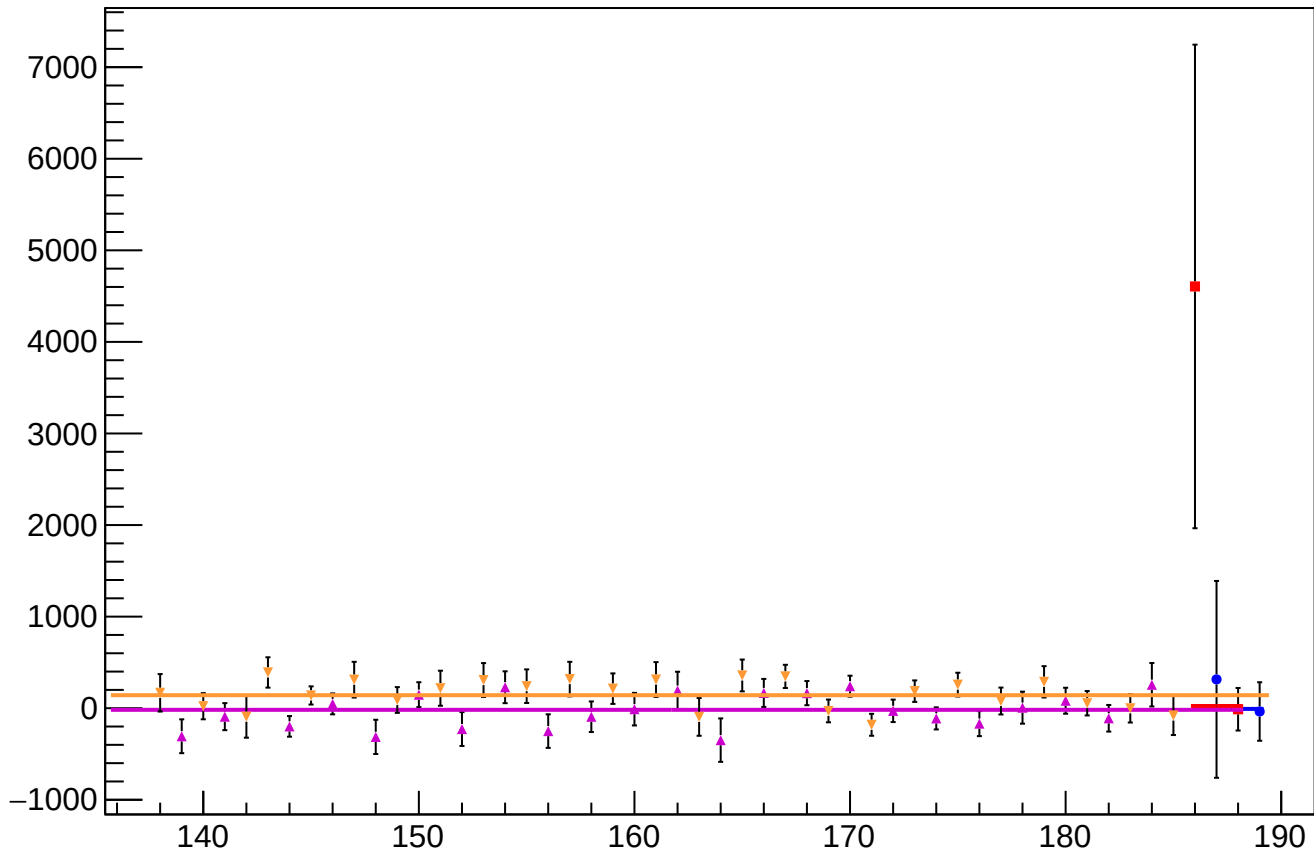
Right: 215.983 $\pm$ 0.126 χ^2 /NDF: 623575.2/3

In: 121.845 $\pm$ 0.021 χ^2 /NDF:1649021.6/24

Out: 123.184 $\pm$ 0.020 χ^2 /NDF:2621839.7/26

All: 122.530 $\pm$ 0.015 χ^2 /NDF: 4272965.8/51

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left: 63.807 ± 21.840 χ^2/NDF : 70.4/47

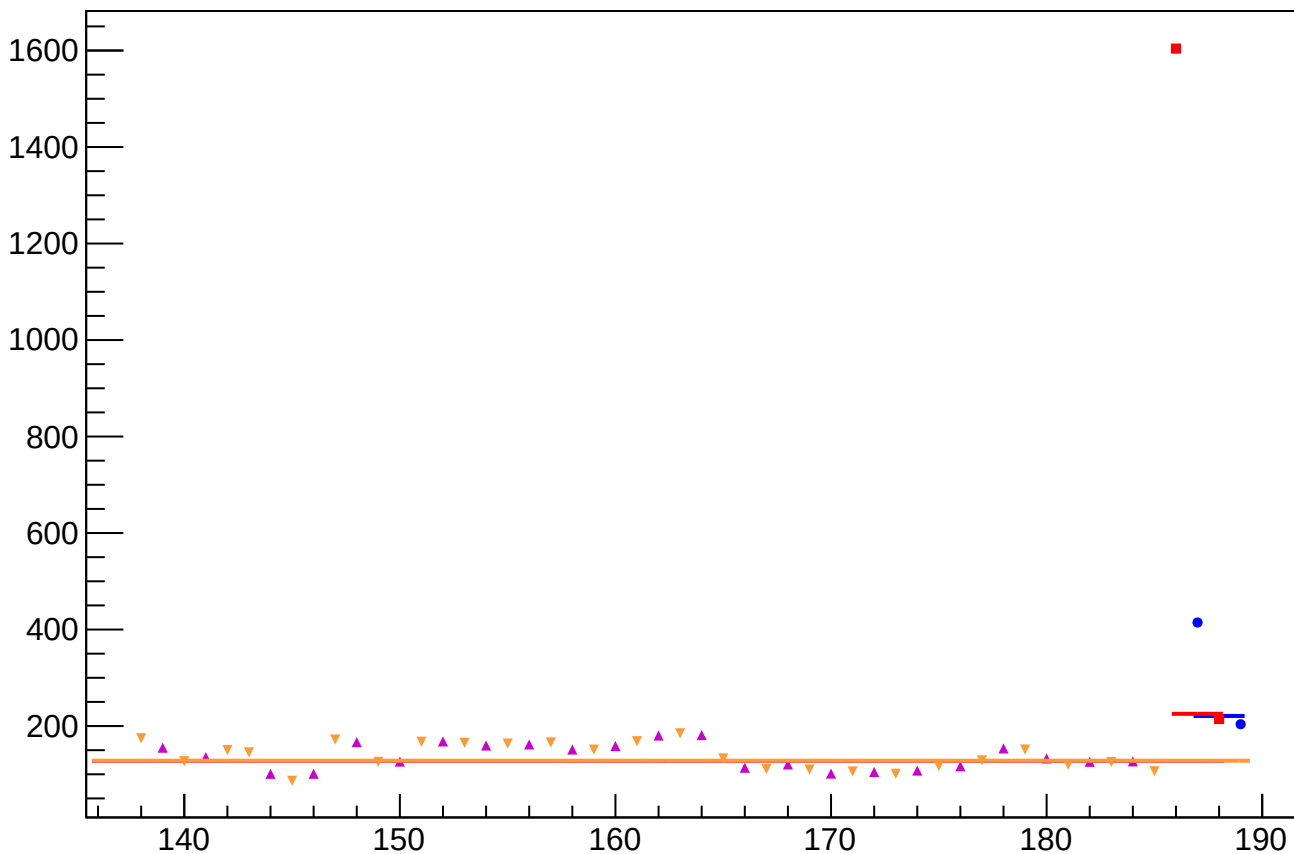
Right: 12.646 ± 184.690 χ^2/NDF : 3.1/3

In: -17.575 ± 31.048 χ^2/NDF : 30.2/24

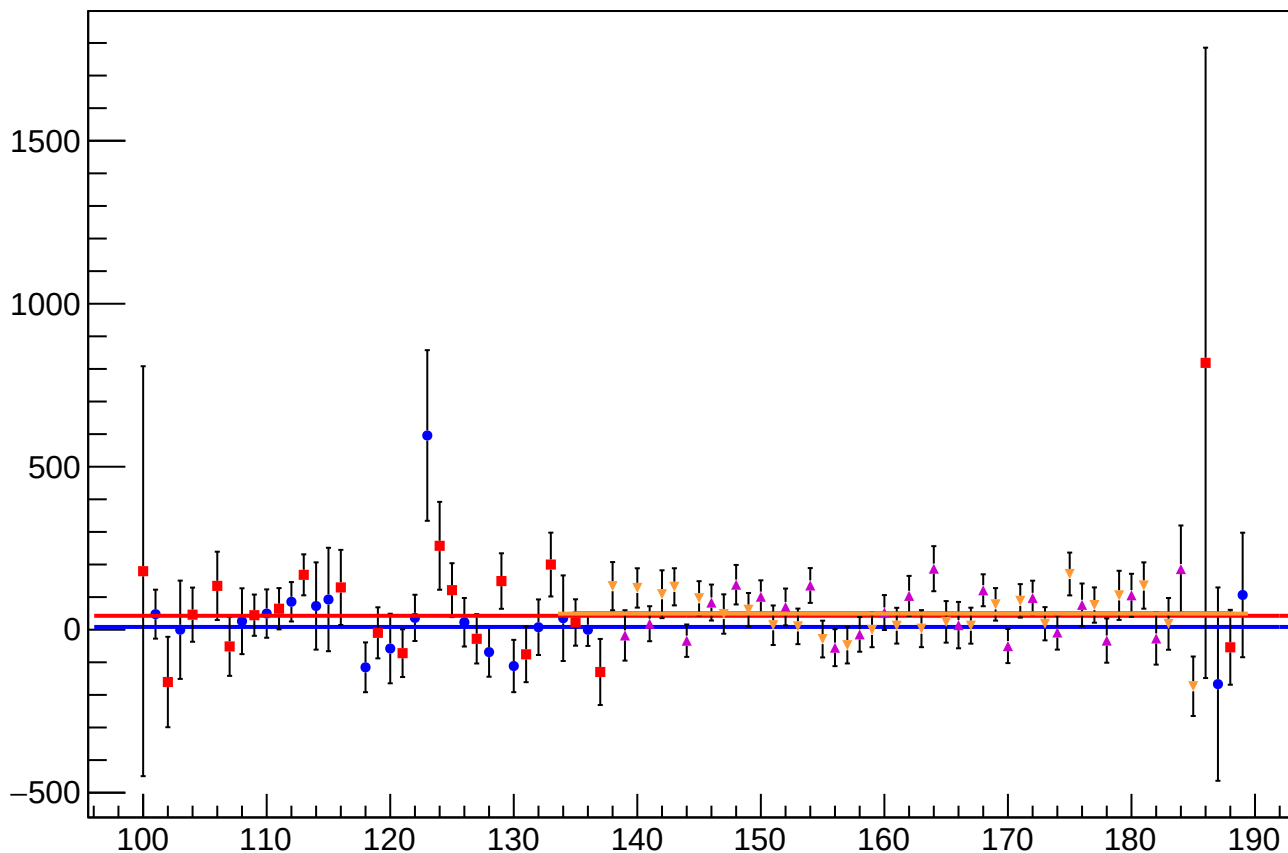
Out: 139.994 ± 30.311 χ^2/NDF : 30.2/26

All: 63.101 ± 21.689 χ^2/NDF : 73.6/51

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 8.460 ± 20.028 $\chi^2/\text{NDF}: 15.0/18$

Left Out: 49.402 ± 11.806 $\chi^2/\text{NDF}: 28.1/24$

Right Out: 42.680 ± 19.182 $\chi^2/\text{NDF}: 26.3/20$

Left In: 50.331 ± 12.253 $\chi^2/\text{NDF}: 32.2/22$

Left: 49.849 ± 8.502 $\chi^2/\text{NDF}: 60.3/47$

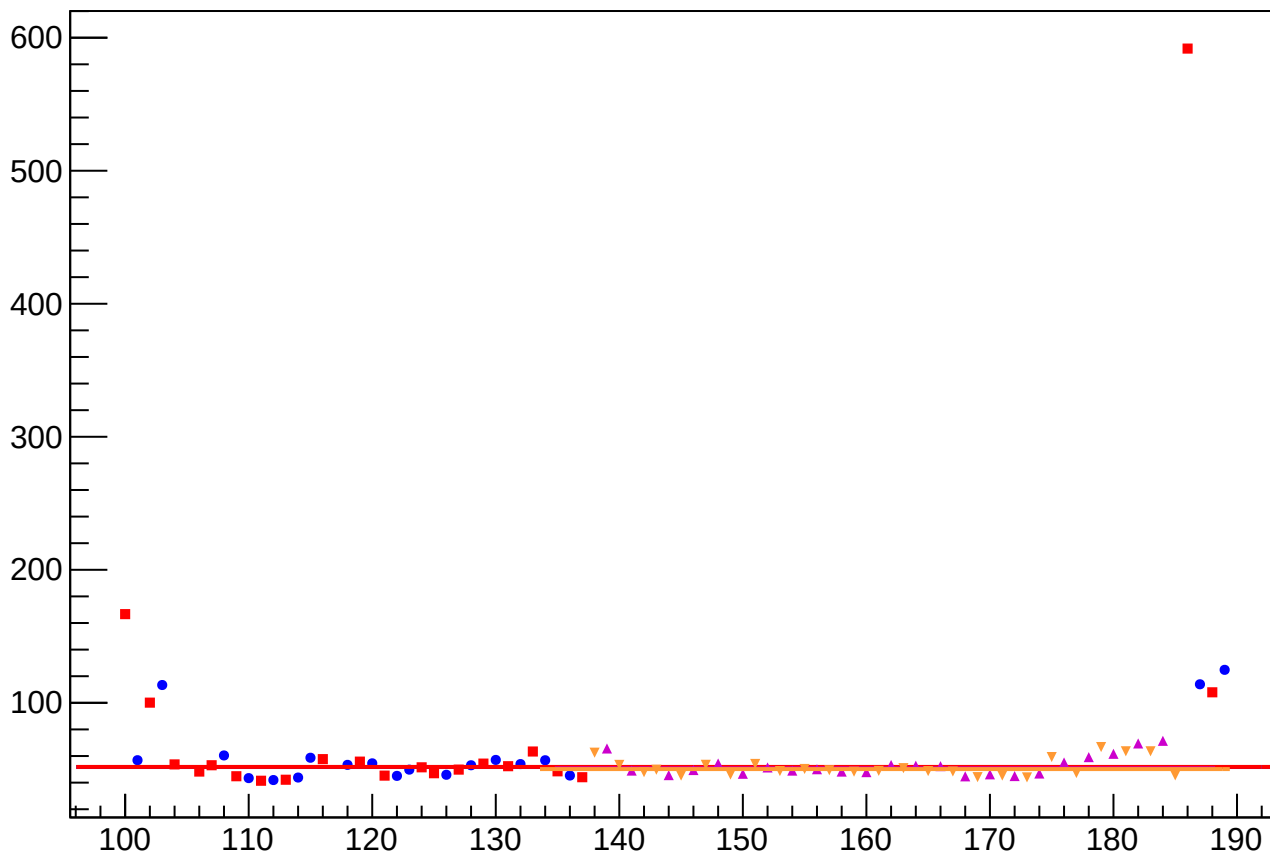
Right: 26.308 ± 13.853 $\chi^2/\text{NDF}: 42.8/39$

In: 38.927 ± 10.452 $\chi^2/\text{NDF}: 50.3/41$

Out: 47.555 ± 10.054 $\chi^2/\text{NDF}: 54.5/45$

All: 43.408 ± 7.246 $\chi^2/\text{NDF}: 105.2/87$

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left: 50.427 $\pm$ 0.006 χ^2 /NDF: 938655.0/47

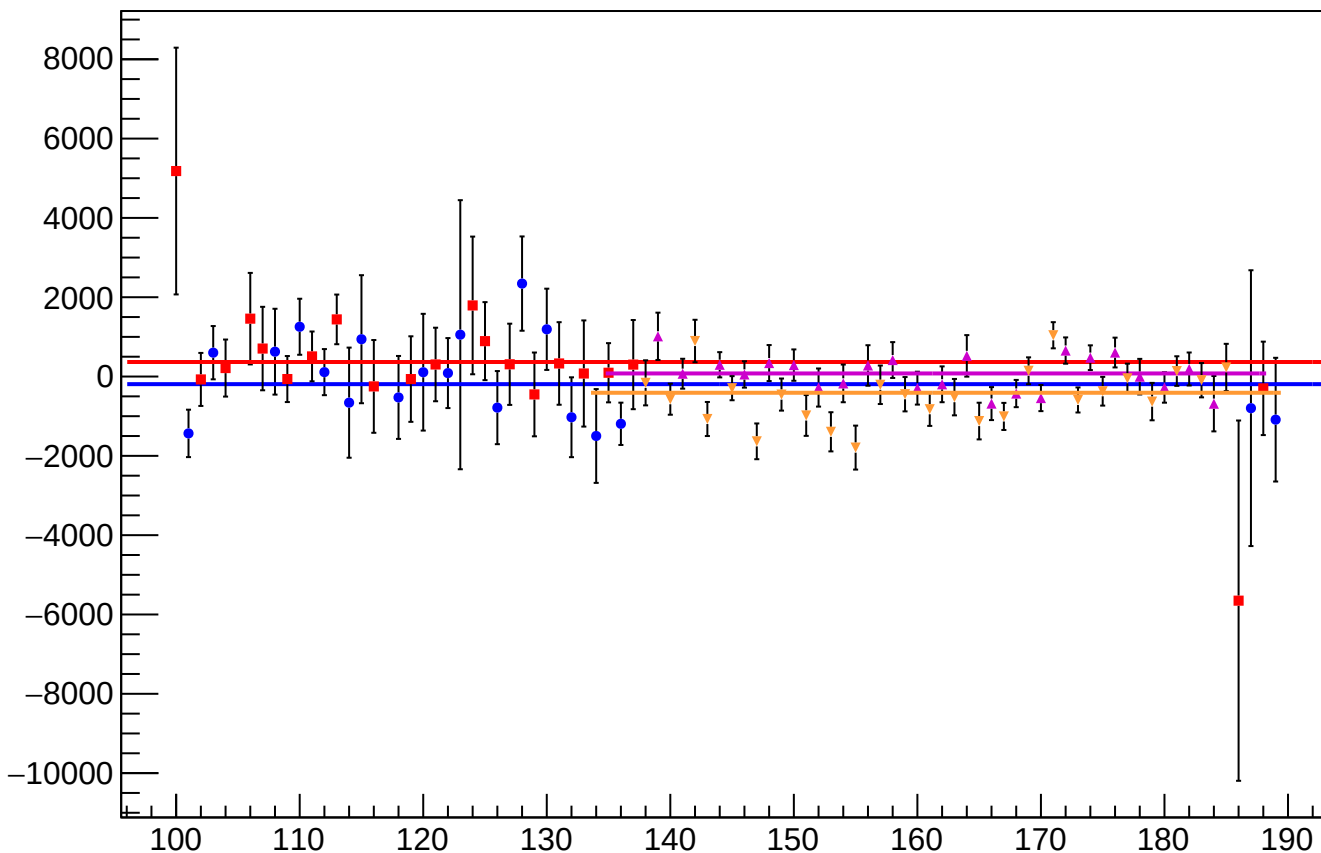
Right: 51.775 $\pm$ 0.010 χ^2 /NDF: 2526175.2/39

In: 50.971 $\pm$ 0.007 χ^2 /NDF: 1380127.1/41

Out: 50.634 $\pm$ 0.007 χ^2 /NDF: 2097376.6/45

All: 50.796 $\pm$ 0.005 χ^2 /NDF: 3478588.4/87

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -191.928 ± 208.400 $\chi^2/\text{NDF}: 24.3/18$

Left Out: -409.164 ± 82.348 $\chi^2/\text{NDF}: 61.7/24$

Right Out: 366.534 ± 200.852 $\chi^2/\text{NDF}: 11.7/20$

Left In: 77.872 ± 84.072 $\chi^2/\text{NDF}: 24.8/22$

Left: -170.691 ± 58.829 $\chi^2/\text{NDF}: 103.6/47$

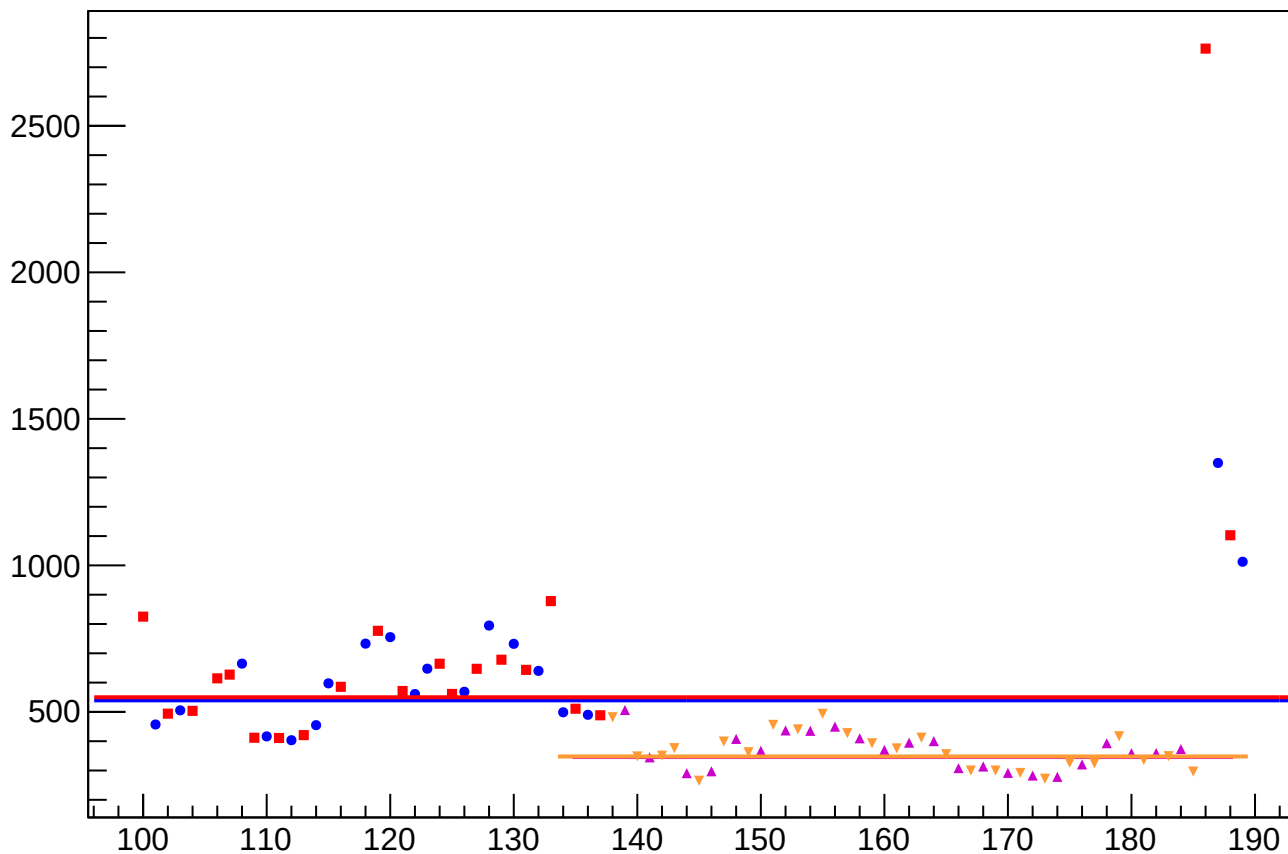
Right: 97.600 ± 144.619 $\chi^2/\text{NDF}: 39.7/39$

In: 40.109 ± 77.967 $\chi^2/\text{NDF}: 50.6/41$

Out: -297.536 ± 76.193 $\chi^2/\text{NDF}: 86.1/45$

All: -132.598 ± 54.493 $\chi^2/\text{NDF}: 146.3/87$

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



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

Left: 346.935 $\pm$ 0.042 χ^2 /NDF: 1945476.7/47

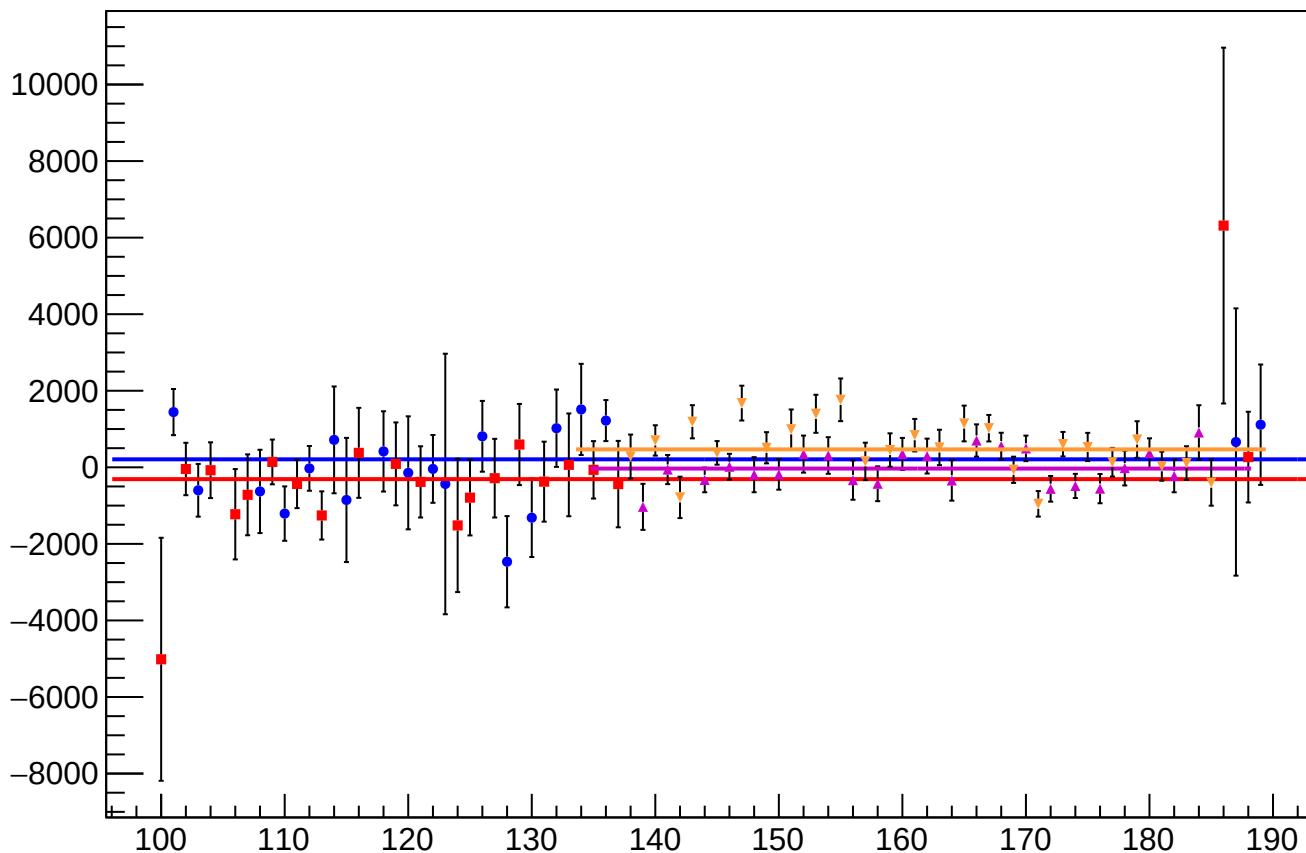
Right: 544.899 $\pm$ 0.102 χ^2 /NDF: 2426919.5/39

In: 373.040 $\pm$ 0.055 χ^2 /NDF:3245957.4/41

Out: 376.954 $\pm$ 0.054 χ^2 /NDF:4339384.5/45

All: 375.042 $\pm$ 0.039 χ^2 /NDF: 7587919.2/87

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left: 223.299 $\pm$ 59.514 χ^2 /NDF: 100.9/47

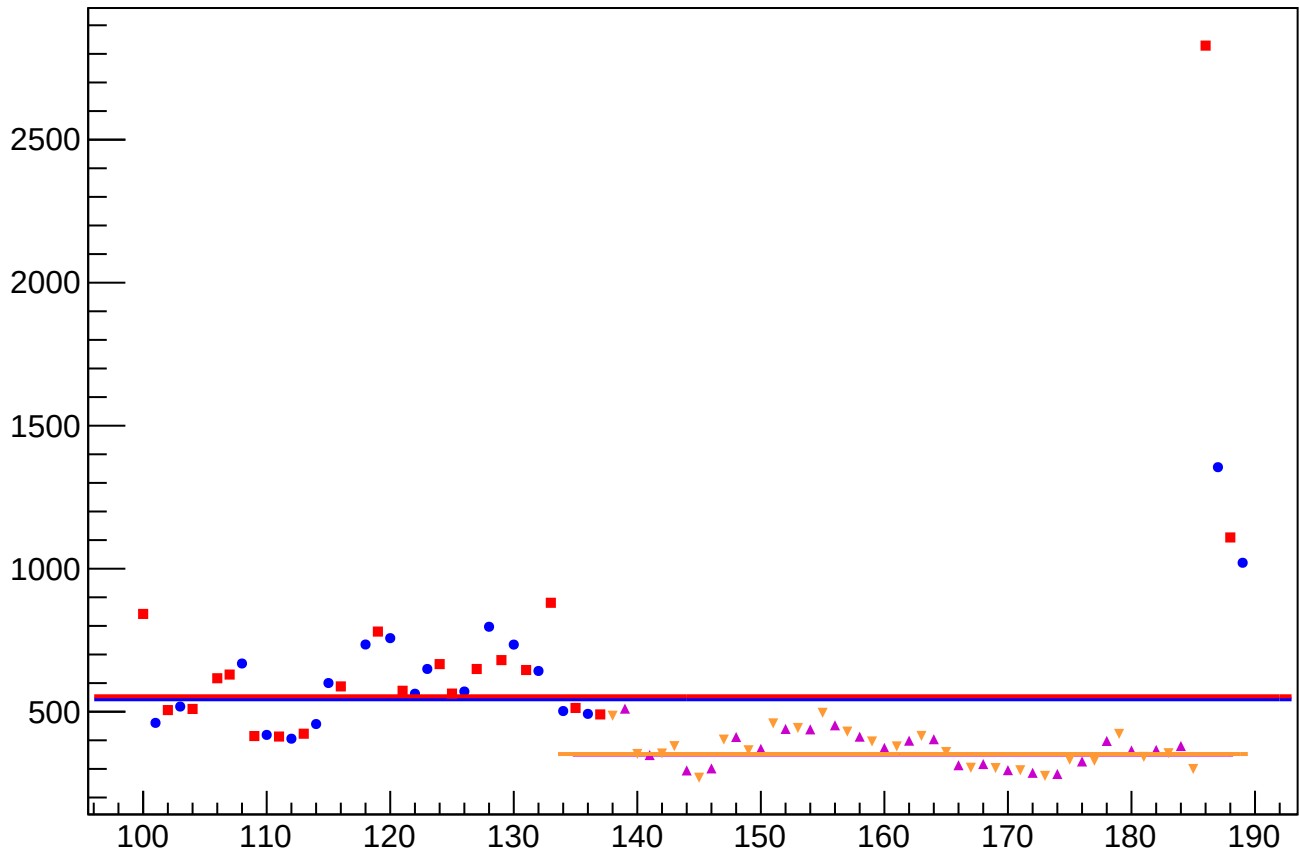
Right: -59.228 $\pm$ 145.686 χ^2 /NDF: 38.2/39

In: 1.330 $\pm$ 78.834 χ^2 /NDF:51.3/41

Out: 356.231 $\pm$ 77.027 χ^2 /NDF:80.6/45

All: 182.894 $\pm$ 55.094 χ^2 /NDF: 142.3/87

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left: 351.107+/-0.042 χ^2/NDF : 1896060.8/47

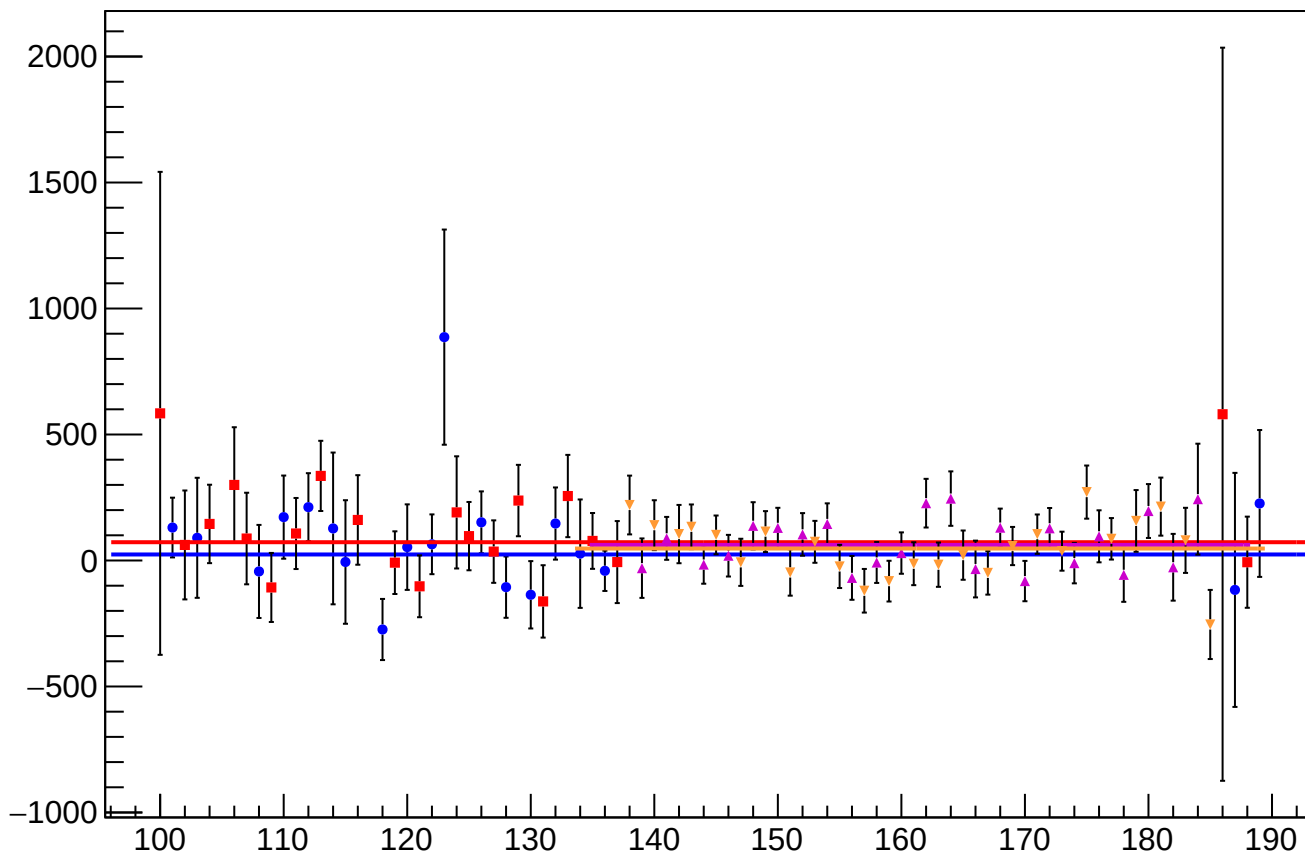
Right: 548.862+/-0.103 χ^2/NDF : 2414905.1/39

In: 377.434+/-0.056 χ^2/NDF : 3189879.8/41

Out: 381.255+/-0.054 χ^2/NDF : 4276755.0/45

All: 379.388+/-0.039 χ^2/NDF : 7469038.0/87

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left: 54.355 $\pm$ 13.149 χ^2 /NDF: 53.7/47

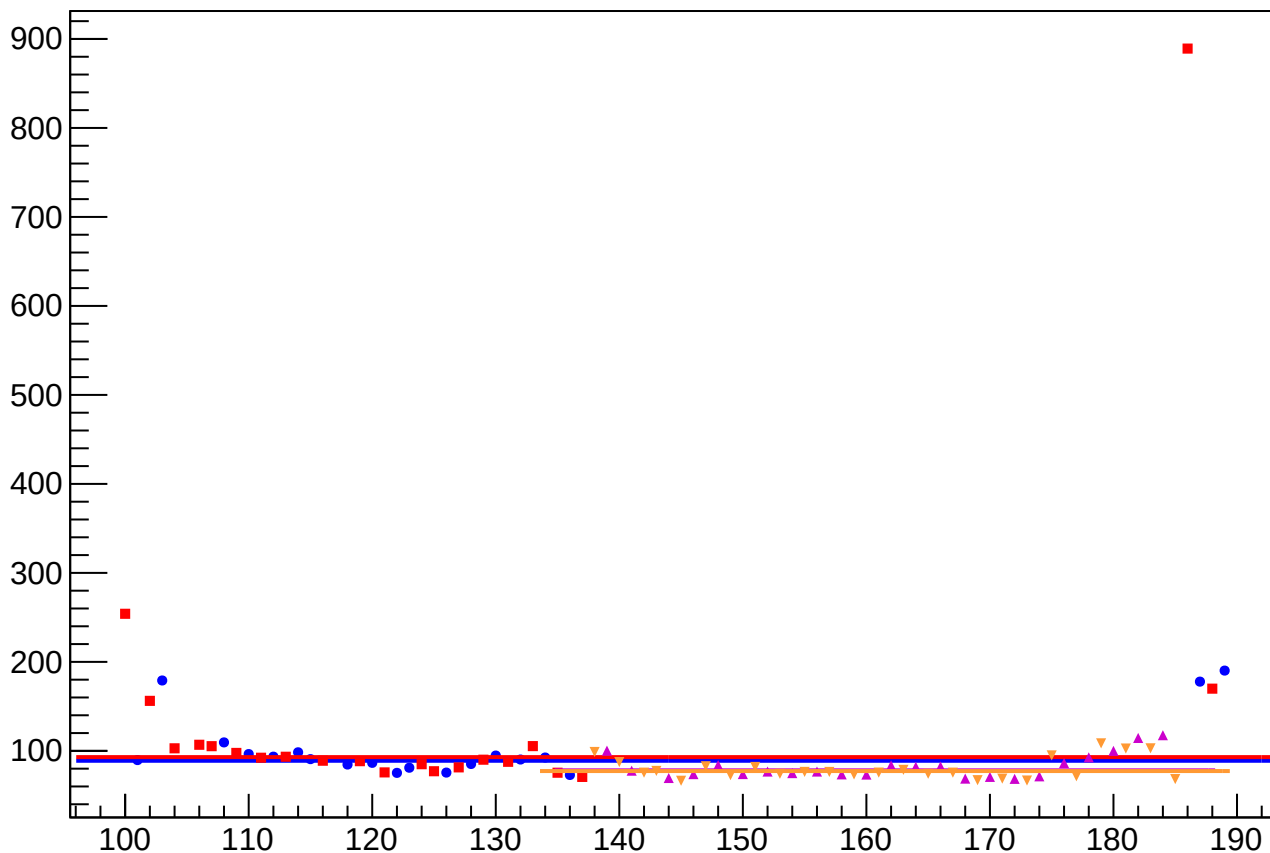
Right: 48.333 $\pm$ 24.206 χ^2 /NDF: 36.6/39

In: 52.957 $\pm$ 16.592 χ^2 /NDF:44.7/41

Out: 53.007 $\pm$ 16.099 χ^2 /NDF:45.6/45

All: 52.983 $\pm$ 11.554 χ^2 /NDF: 90.3/87

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left: 77.712 $\pm$ 0.009 χ^2 /NDF: 1219684.1/47

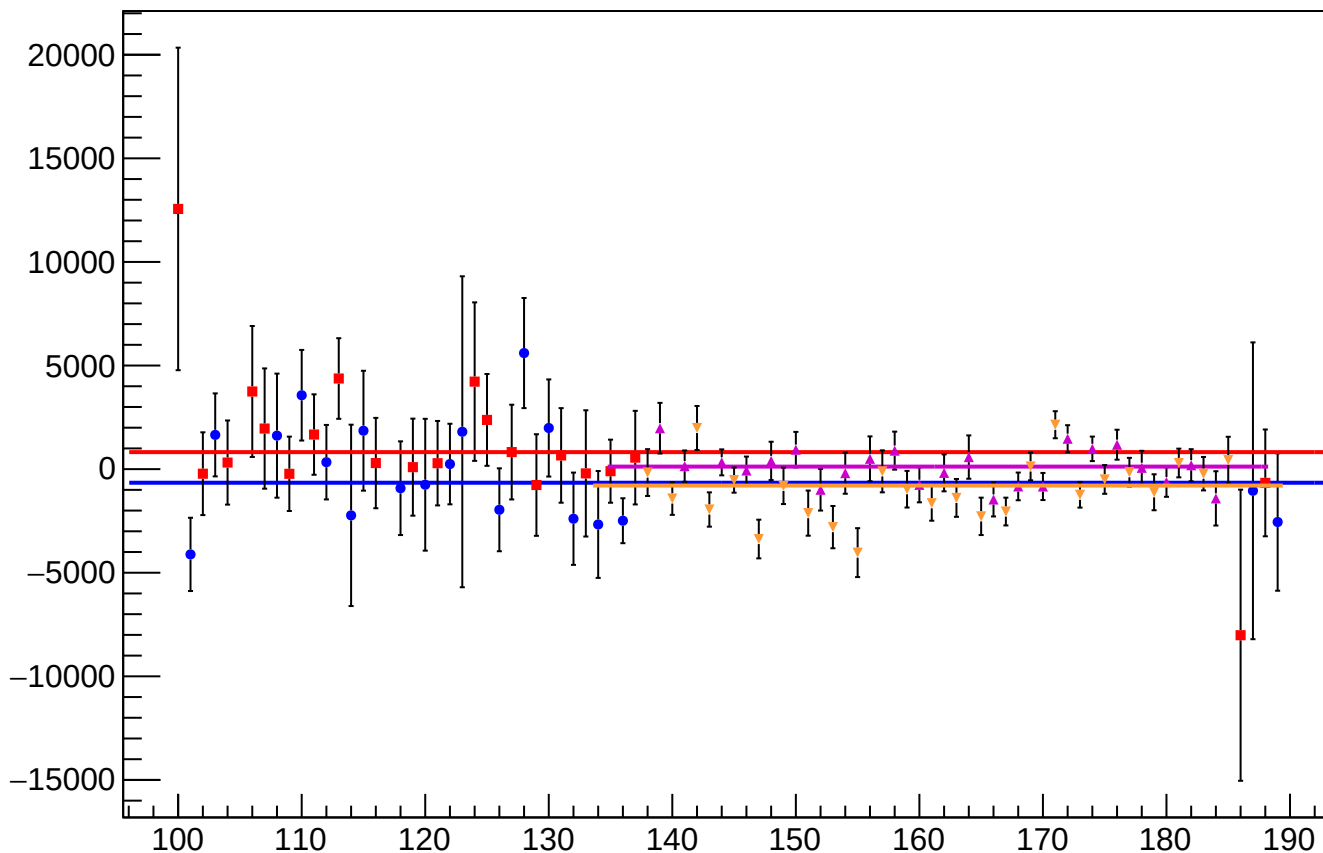
Right: 90.935 $\pm$ 0.017 χ^2 /NDF: 2197552.2/39

In: 80.651 $\pm$ 0.012 χ^2 /NDF: 1507145.9/41

Out: 80.794 $\pm$ 0.011 χ^2 /NDF: 2370835.6/45

All: 80.725 $\pm$ 0.008 χ^2 /NDF: 3878058.2/87

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



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

Left: -345.122 $\pm$ 116.247 χ^2 /NDF: 108.0/47

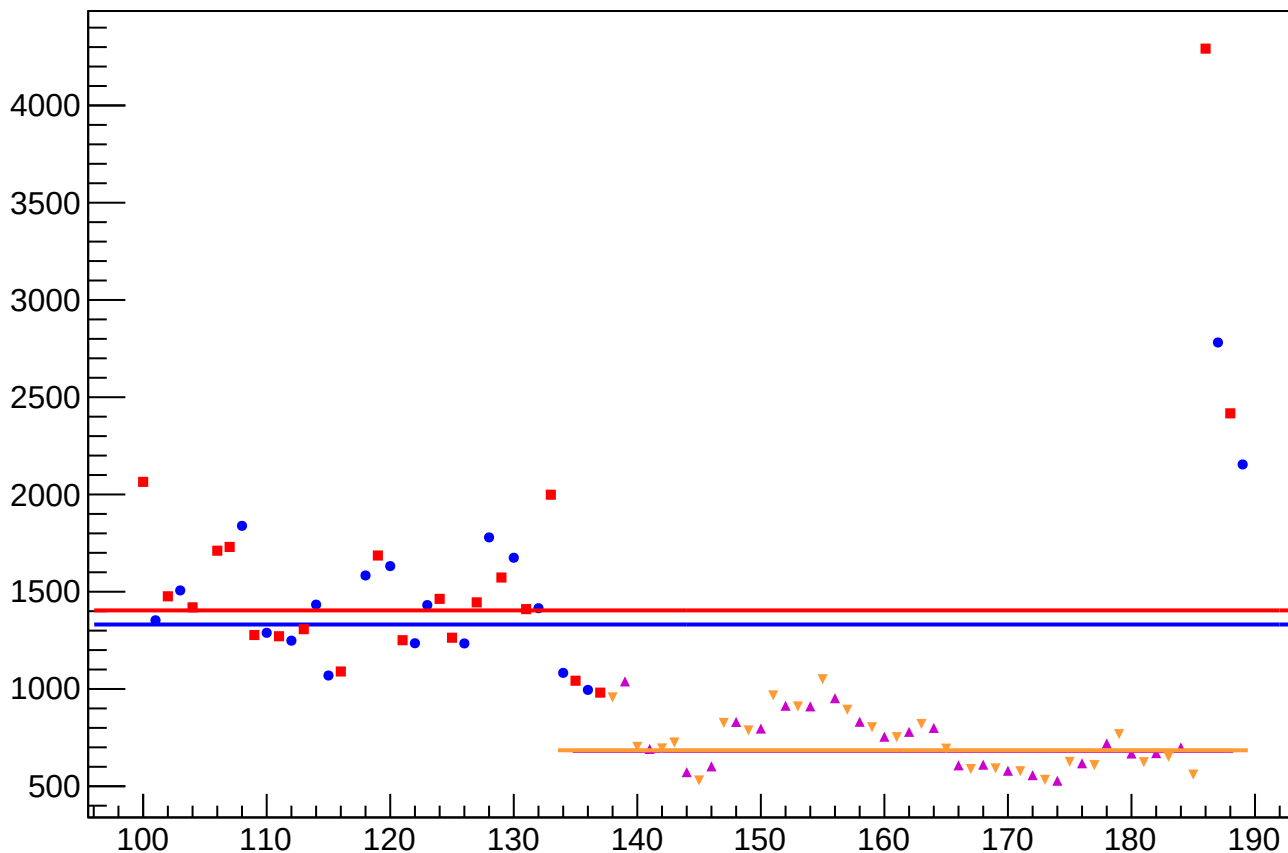
Right: 91.543 $\pm$ 358.890 χ^2 /NDF: 38.7/39

In: 47.677 $\pm$ 158.036 χ^2 /NDF:50.7/41

Out: -640.797 $\pm$ 154.810 χ^2 /NDF:87.7/45

All: -303.659 $\pm$ 110.590 χ^2 /NDF: 148.1/87

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1331.489 $\pm$ 0.361 χ^2 /NDF: 666801.6/18

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF:1280146.2/24

Right Out: 1403.949 $\pm$ 0.357 χ^2 /NDF: 1092009.2/20

Left In: 681.712 $\pm$ 0.118 χ^2 /NDF:1119637.0/22

Left: 683.282 $\pm$ 0.082 χ^2 /NDF: 2400132.5/47

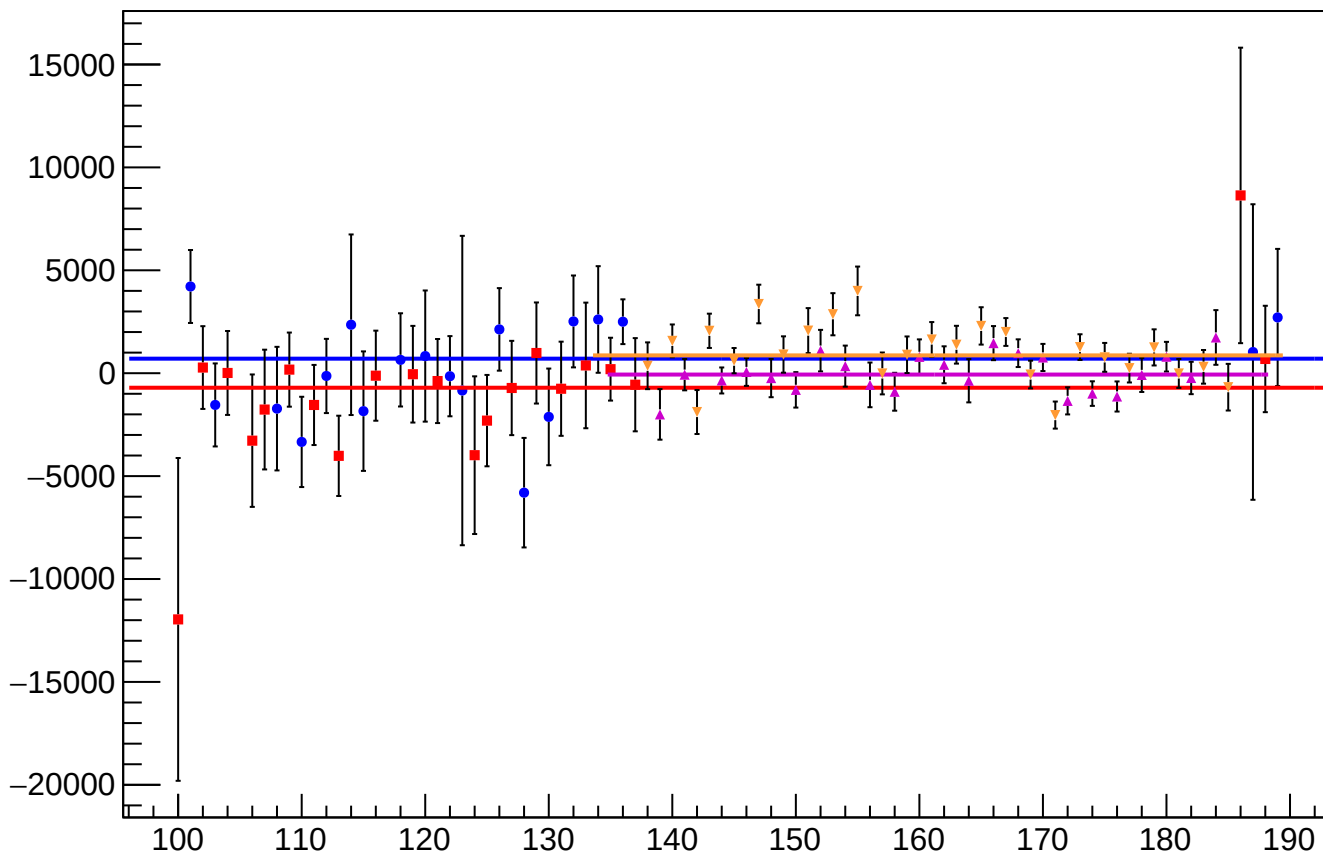
Right: 1368.166 $\pm$ 0.254 χ^2 /NDF: 1779189.6/39

In: 743.933 $\pm$ 0.112 χ^2 /NDF:4713988.3/41

Out: 752.517 $\pm$ 0.109 χ^2 /NDF:6054256.9/45

All: 748.313 $\pm$ 0.078 χ^2 /NDF: 10771255.9/87

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left: 409.953 $\pm$ 117.136 χ^2 /NDF: 105.1/47

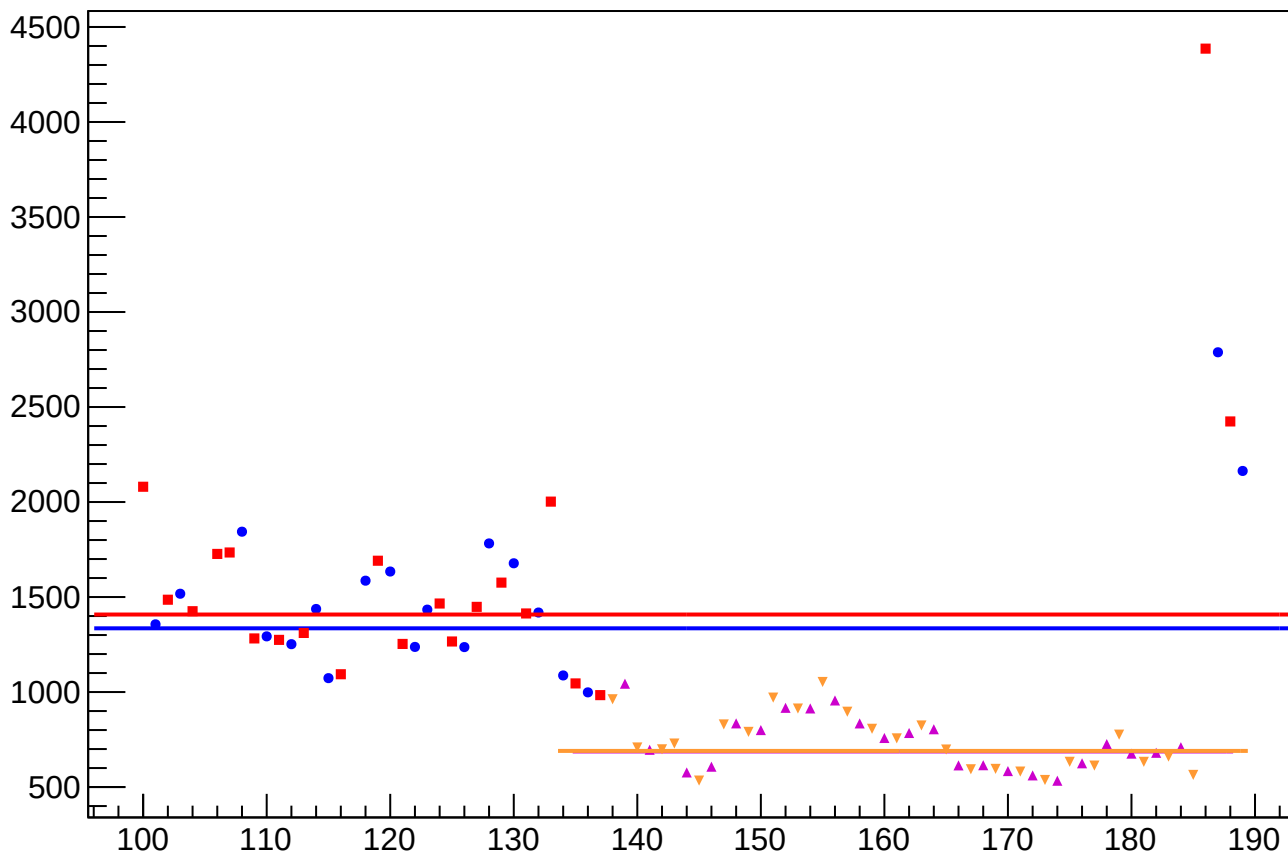
Right: -8.106 $\pm$ 360.015 χ^2 /NDF: 37.5/39

In: 8.671 $\pm$ 159.189 χ^2 /NDF: 51.3/41

Out: 716.492 $\pm$ 155.916 χ^2 /NDF: 82.4/45

All: 369.933 $\pm$ 111.389 χ^2 /NDF: 143.8/87

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1335.361 $\pm$ 0.362 χ^2 /NDF: 666406.7/18

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF: 1258158.2/24

Right Out: 1407.951 $\pm$ 0.358 χ^2 /NDF: 1099253.6/20

Left In: 687.216 $\pm$ 0.118 χ^2 /NDF: 1099706.1/22

Left: 688.723 $\pm$ 0.083 χ^2 /NDF: 2358181.3/47

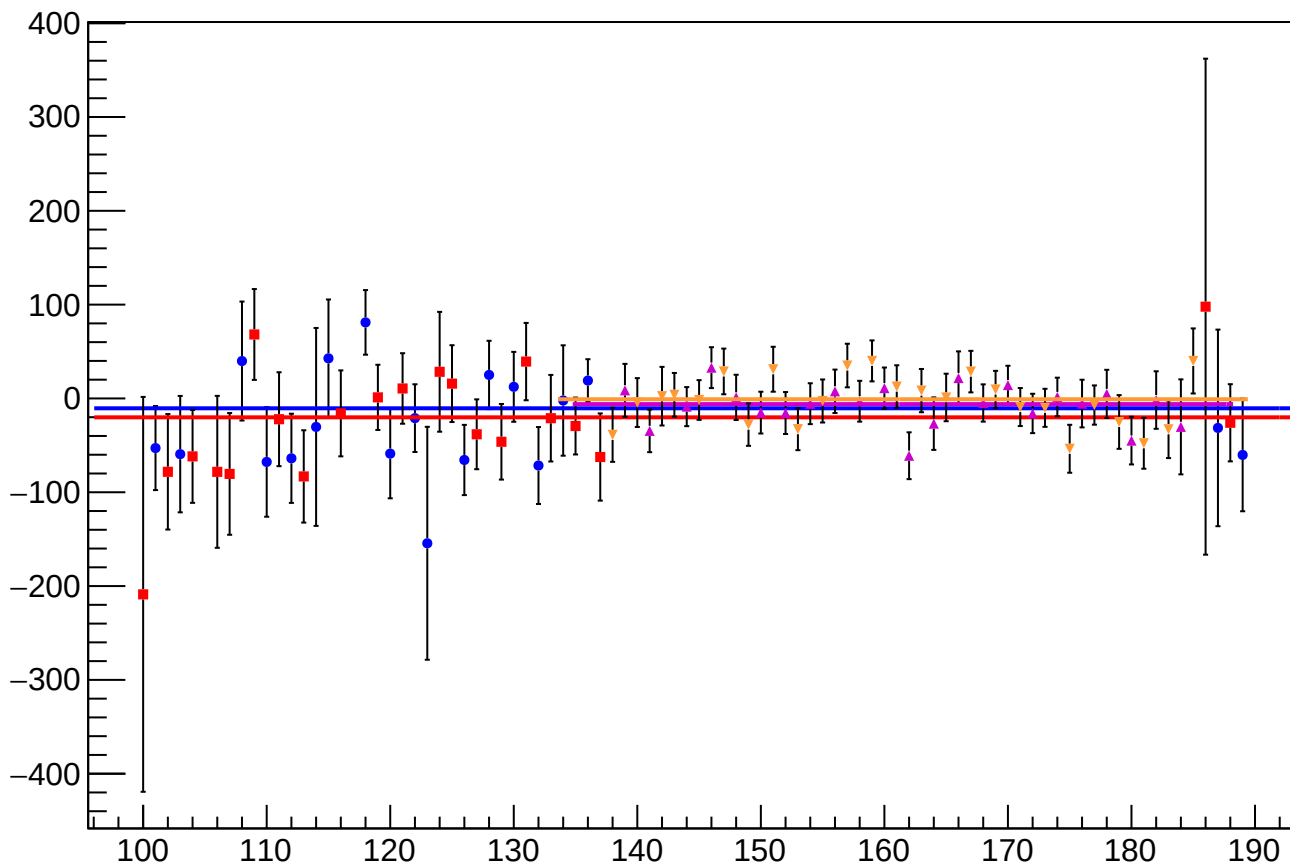
Right: 1372.085 $\pm$ 0.255 χ^2 /NDF: 1785985.0/39

In: 749.830 $\pm$ 0.113 χ^2 /NDF: 4659578.3/41

Out: 758.276 $\pm$ 0.110 χ^2 /NDF: 5997818.3/45

All: 754.140 $\pm$ 0.079 χ^2 /NDF: 10660270.1/87

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -10.494 ± 10.220 $\chi^2/\text{NDF}: 22.8/18$

Left Out: -0.861 ± 4.760 $\chi^2/\text{NDF}: 27.9/24$

Right Out: -20.140 ± 10.139 $\chi^2/\text{NDF}: 15.0/20$

Left In: -6.042 ± 4.925 $\chi^2/\text{NDF}: 16.9/22$

Left: -3.363 ± 3.423 $\chi^2/\text{NDF}: 45.4/47$

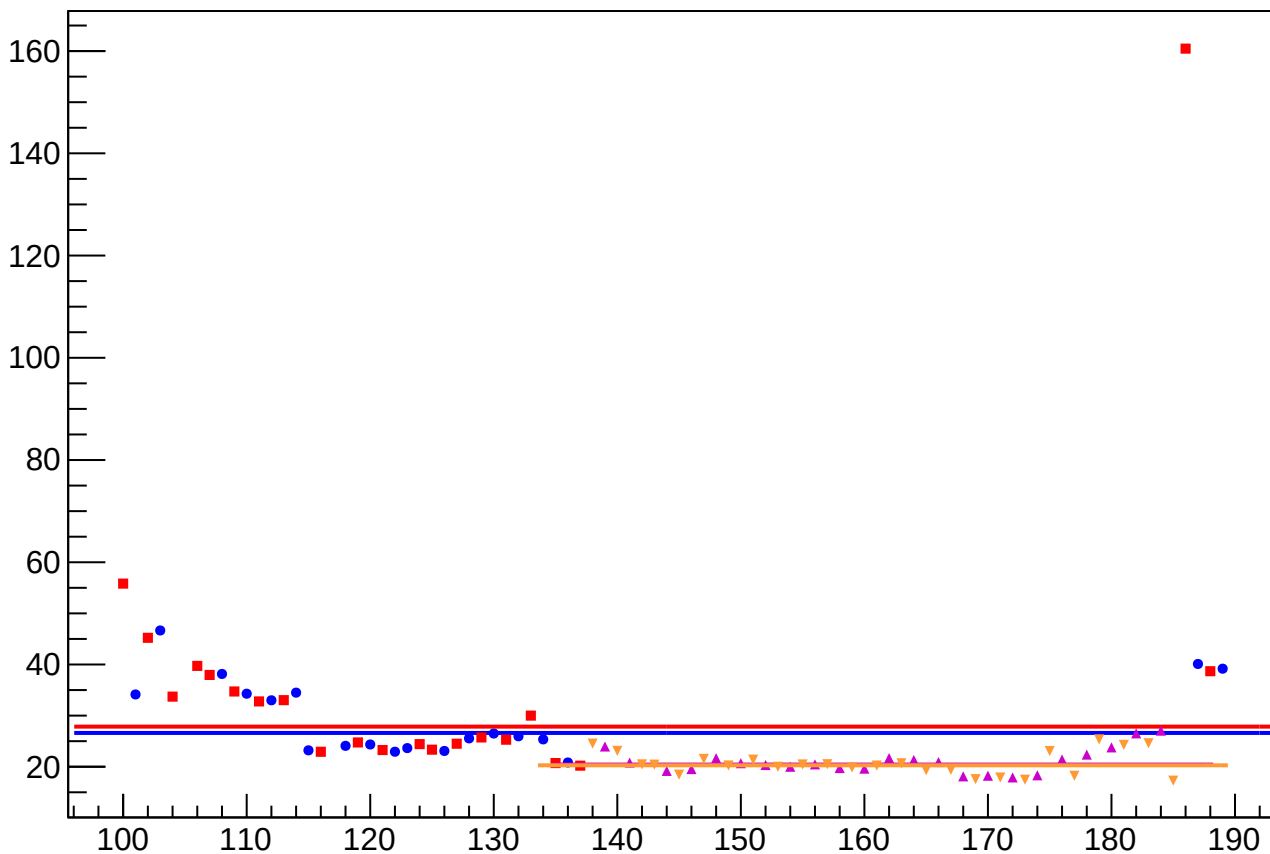
Right: -15.355 ± 7.198 $\chi^2/\text{NDF}: 38.3/39$

In: -6.881 ± 4.437 $\chi^2/\text{NDF}: 39.9/41$

Out: -4.343 ± 4.309 $\chi^2/\text{NDF}: 45.9/45$

All: -5.575 ± 3.091 $\chi^2/\text{NDF}: 85.9/87$

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.612 $\pm$ 0.007 χ^2 /NDF: 727094.9/18

Left Out: 20.279 $\pm$ 0.003 χ^2 /NDF: 407056.4/24

Right Out: 27.845 $\pm$ 0.007 χ^2 /NDF: 1335502.5/20

Left In: 20.424 $\pm$ 0.003 χ^2 /NDF: 323427.4/22

Left: 20.349 $\pm$ 0.002 χ^2 /NDF: 731373.7/47

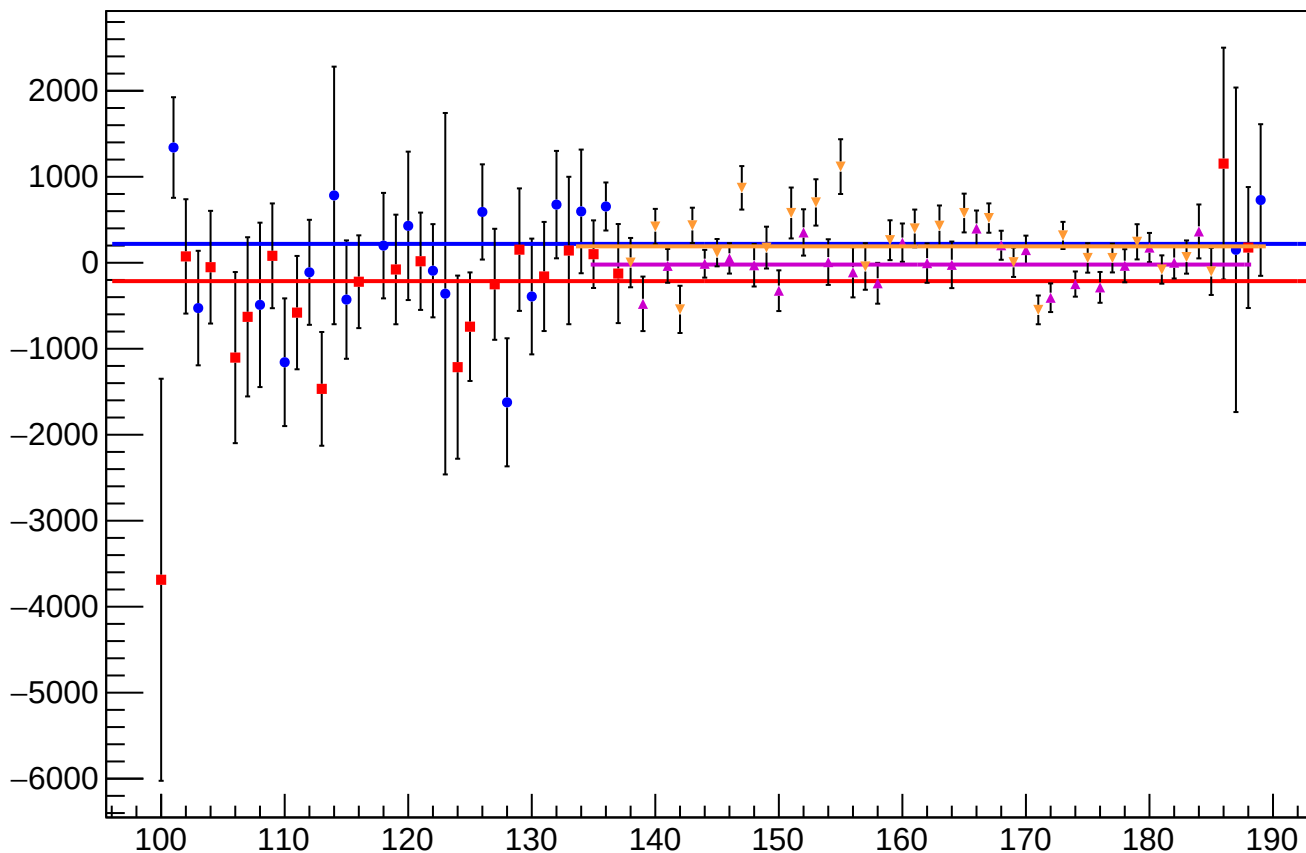
Right: 27.233 $\pm$ 0.005 χ^2 /NDF: 2077275.5/39

In: 21.590 $\pm$ 0.003 χ^2 /NDF: 1645554.6/41

Out: 21.646 $\pm$ 0.003 χ^2 /NDF: 2655122.0/45

All: 21.619 $\pm$ 0.002 χ^2 /NDF: 4300839.2/87

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



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

Left: 87.410 $\pm$ 29.553 χ^2 /NDF: 108.4/47

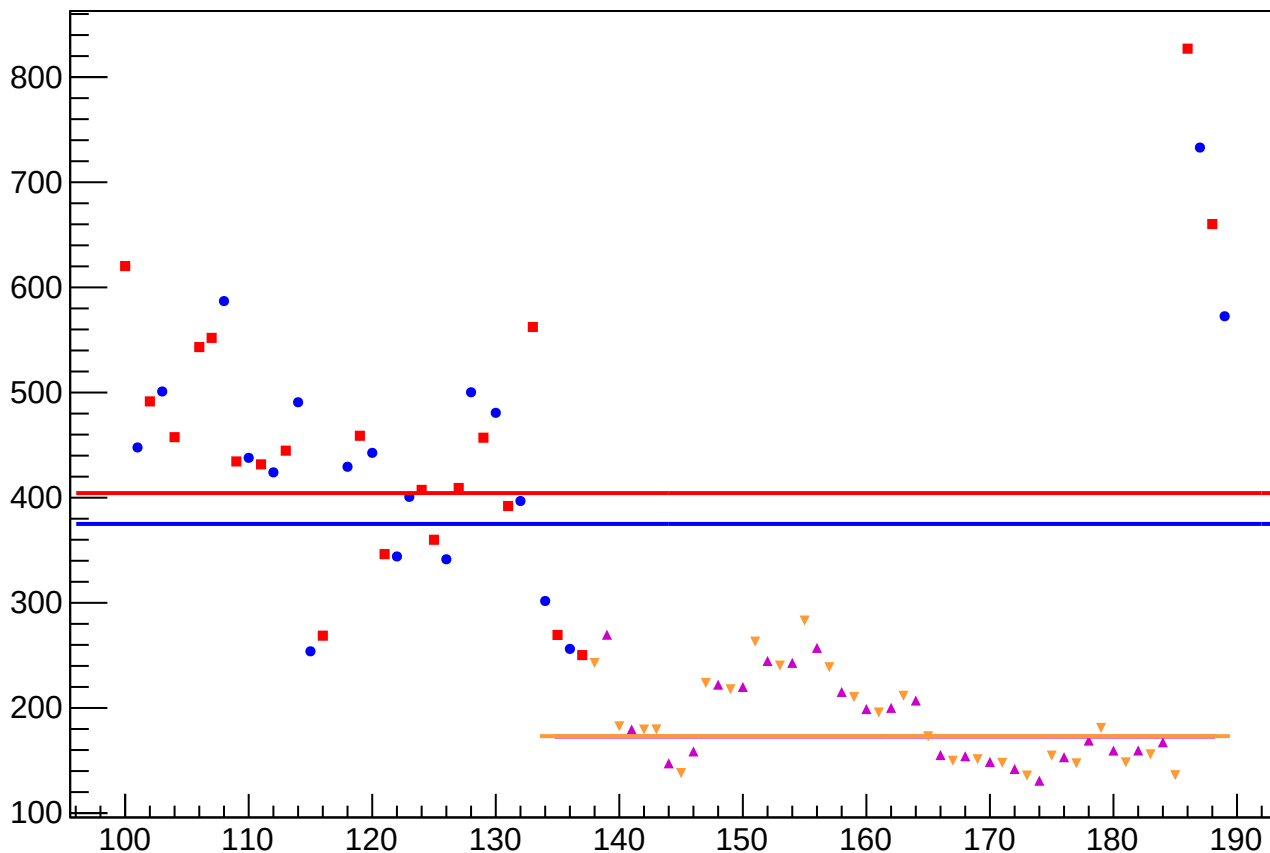
Right: 3.465 $\pm$ 103.140 χ^2 /NDF: 37.9/39

In: -2.306 $\pm$ 40.615 χ^2 /NDF: 51.9/41

Out: 160.890 $\pm$ 39.753 χ^2 /NDF: 86.8/45

All: 81.041 $\pm$ 28.409 χ^2 /NDF: 147.0/87

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 375.058+/-0.103 χ^2/NDF : 1007395.3/18

Left Out: 173.210+/-0.029 χ^2/NDF : 1561250.6/24

Right Out: 404.384+/-0.103 χ^2/NDF : 1261320.0/20

Left In: 172.828+/-0.030 χ^2/NDF : 1372131.7/22

Left: 173.023+/-0.021 χ^2/NDF : 2933465.9/47

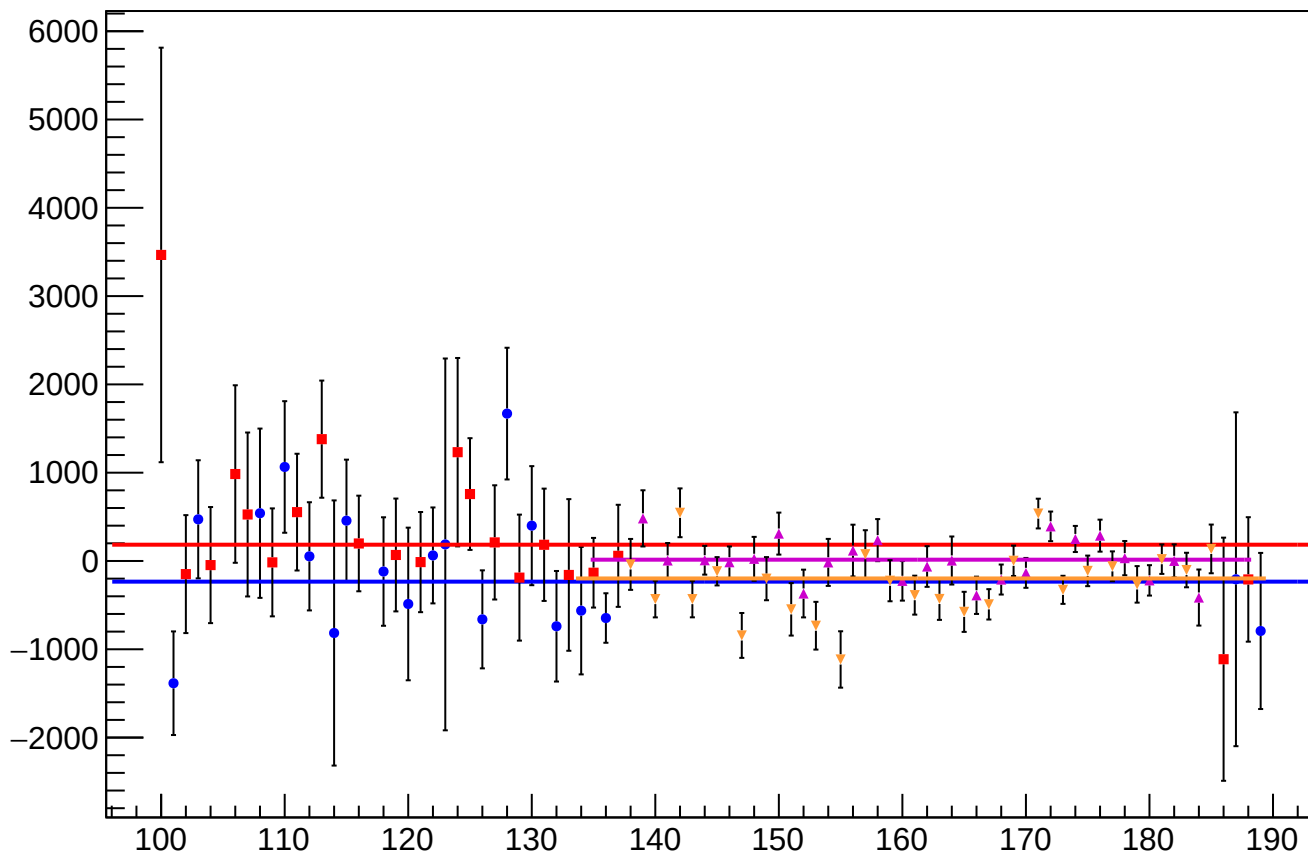
Right: 389.690+/-0.073 χ^2/NDF : 2309137.6/39

In: 188.540+/-0.029 χ^2/NDF : 5932701.3/41

Out: 190.345+/-0.028 χ^2/NDF : 7464119.0/45

All: 189.462+/-0.020 χ^2/NDF : 13398838.3/87

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -234.091 ± 146.133 $\chi^2/\text{NDF}: 21.9/18$

Left Out: -197.918 ± 41.638 $\chi^2/\text{NDF}: 64.3/24$

Right Out: 184.427 ± 146.477 $\chi^2/\text{NDF}: 11.0/20$

Left In: 14.616 ± 42.629 $\chi^2/\text{NDF}: 27.7/22$

Left: -94.151 ± 29.787 $\chi^2/\text{NDF}: 104.7/47$

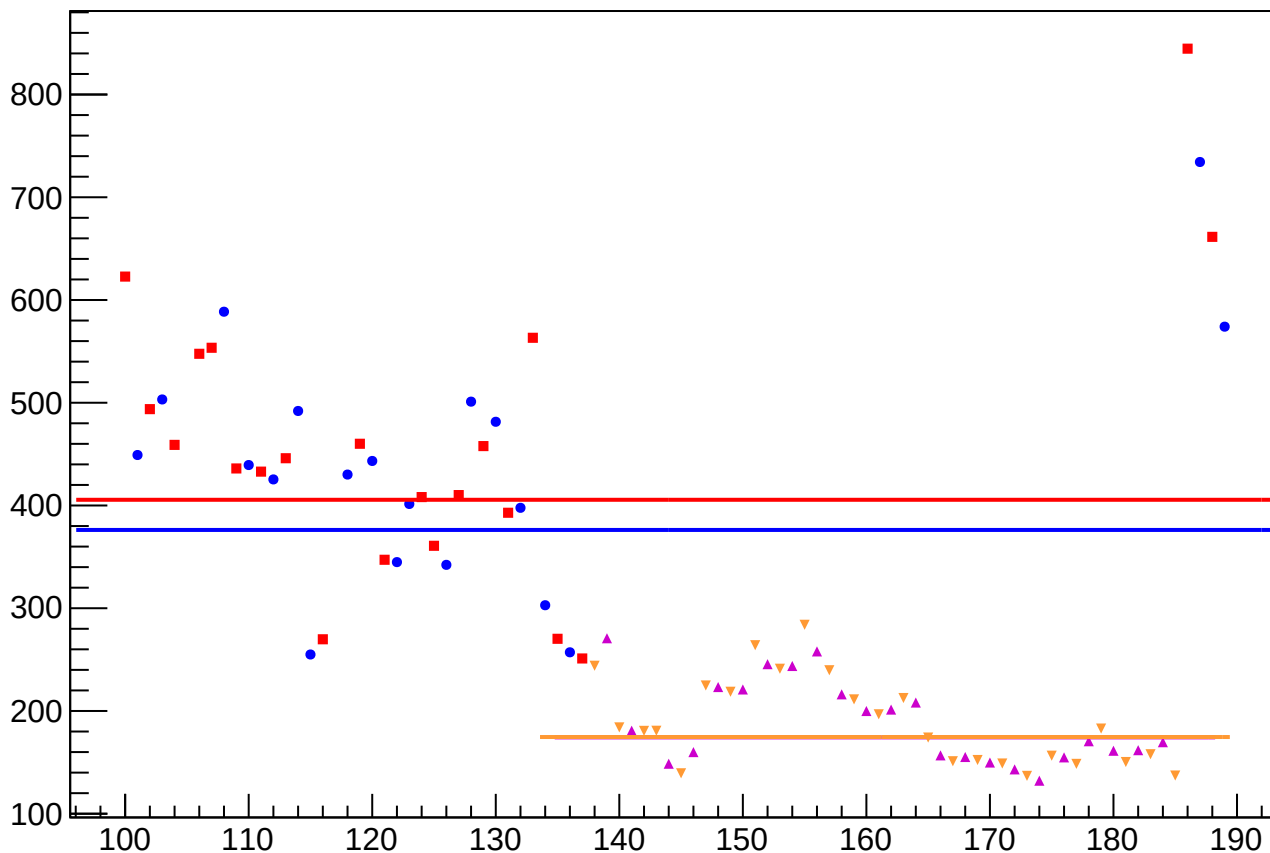
Right: -25.324 ± 103.453 $\chi^2/\text{NDF}: 37.0/39$

In: -4.889 ± 40.924 $\chi^2/\text{NDF}: 52.3/41$

Out: -169.332 ± 40.051 $\chi^2/\text{NDF}: 81.6/45$

All: -88.882 ± 28.624 $\chi^2/\text{NDF}: 142.1/87$

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left: 174.472 $\pm$ 0.021 χ^2 /NDF: 2876851.9/47

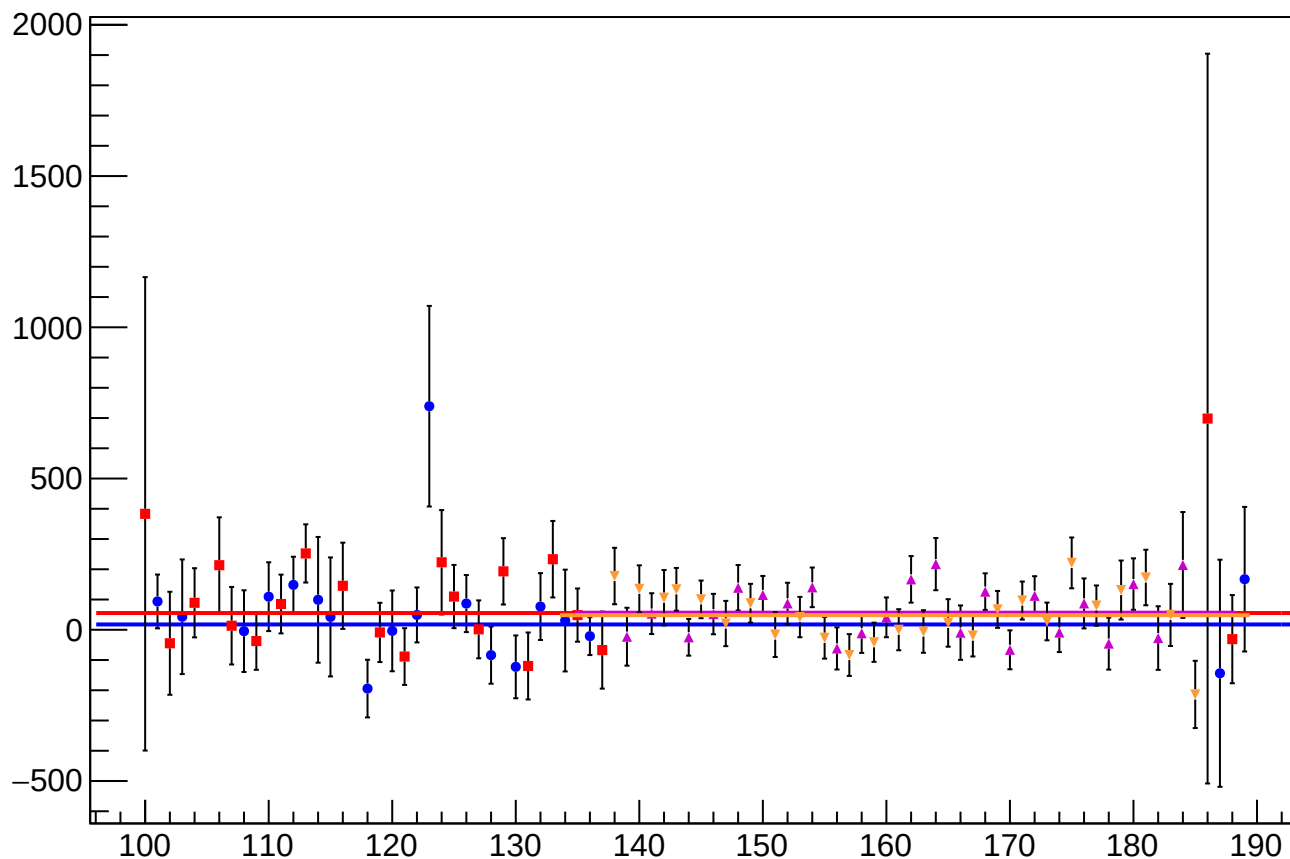
Right: 390.842 $\pm$ 0.073 χ^2 /NDF: 2312111.9/39

In: 190.123 $\pm$ 0.029 χ^2 /NDF: 5867864.8/41

Out: 191.912 $\pm$ 0.028 χ^2 /NDF: 7397966.1/45

All: 191.036 $\pm$ 0.020 χ^2 /NDF: 13267782.5/87

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left: 52.163 $\pm$ 10.529 χ^2 /NDF: 56.9/47

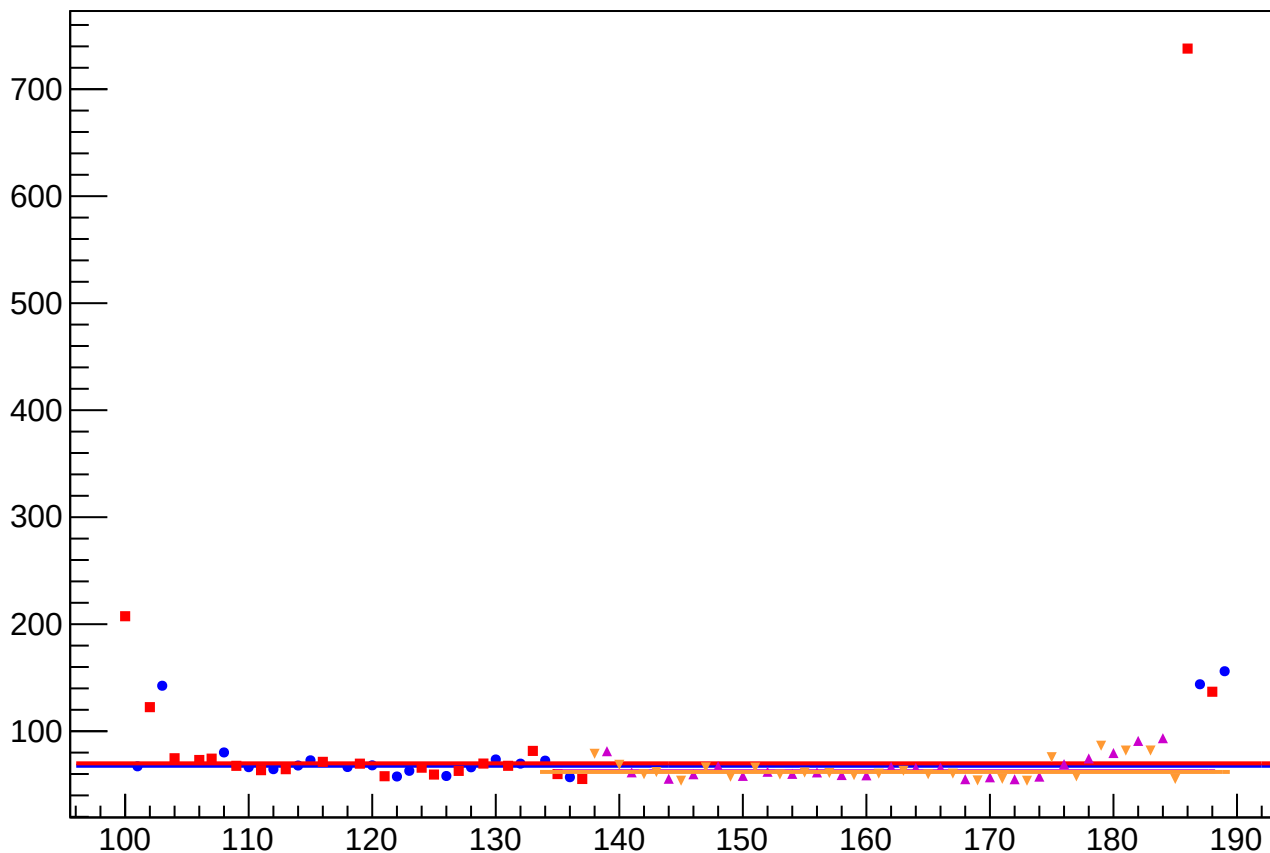
Right: 36.744 $\pm$ 18.359 χ^2 /NDF: 38.5/39

In: 46.620 $\pm$ 13.130 χ^2 /NDF:47.3/41

Out: 49.965 $\pm$ 12.714 χ^2 /NDF:48.6/45

All: 48.346 $\pm$ 9.134 χ^2 /NDF: 95.9/87

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left: 62.264 $\pm$ 0.007 χ^2 /NDF: 1182470.7/47

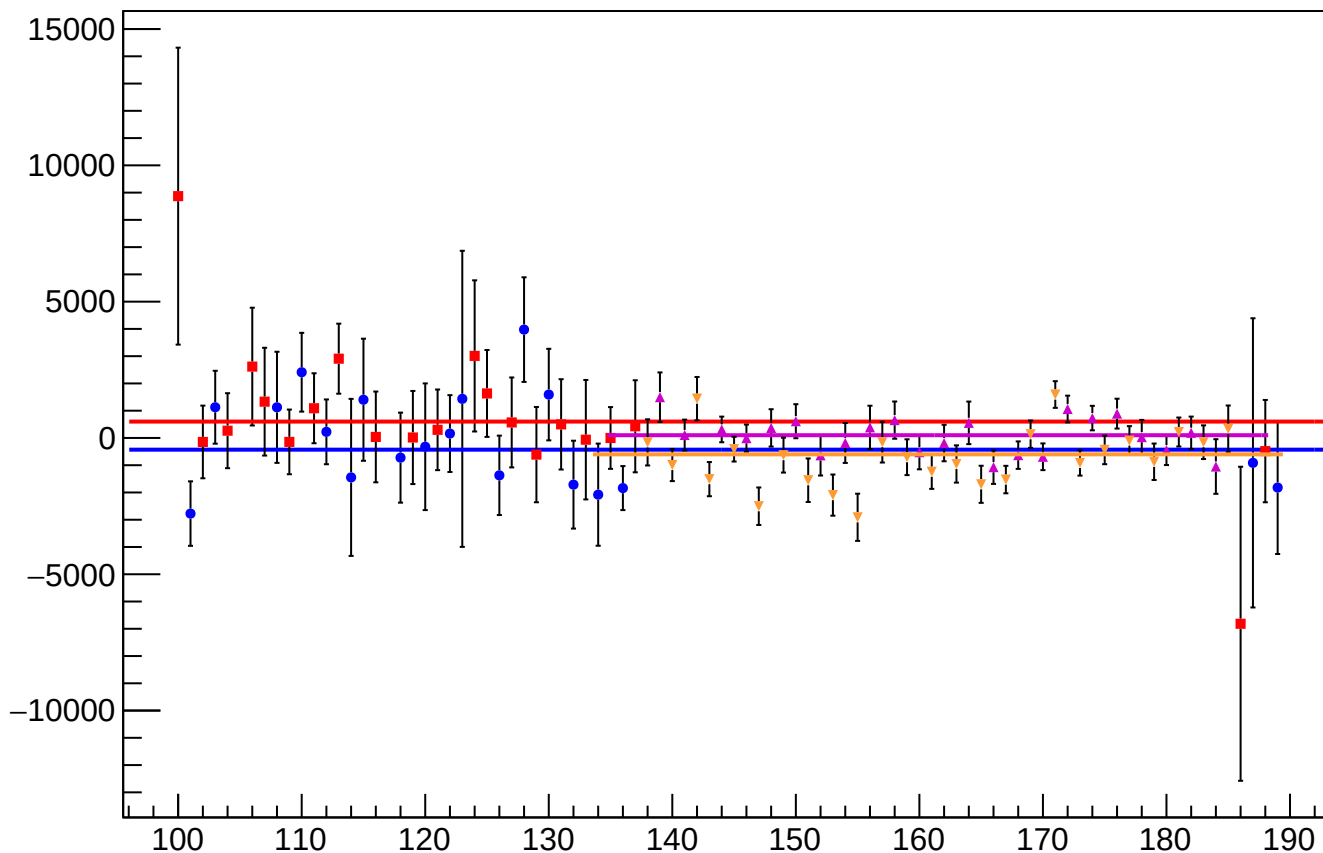
Right: 68.854 $\pm$ 0.013 χ^2 /NDF: 2253780.0/39

In: 63.892 $\pm$ 0.009 χ^2 /NDF: 1433609.7/41

Out: 63.898 $\pm$ 0.009 χ^2 /NDF: 2196514.4/45

All: 63.895 $\pm$ 0.006 χ^2 /NDF: 3630124.3/87

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



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

Left: -257.880+/-87.258 χ^2/NDF : 107.0/47

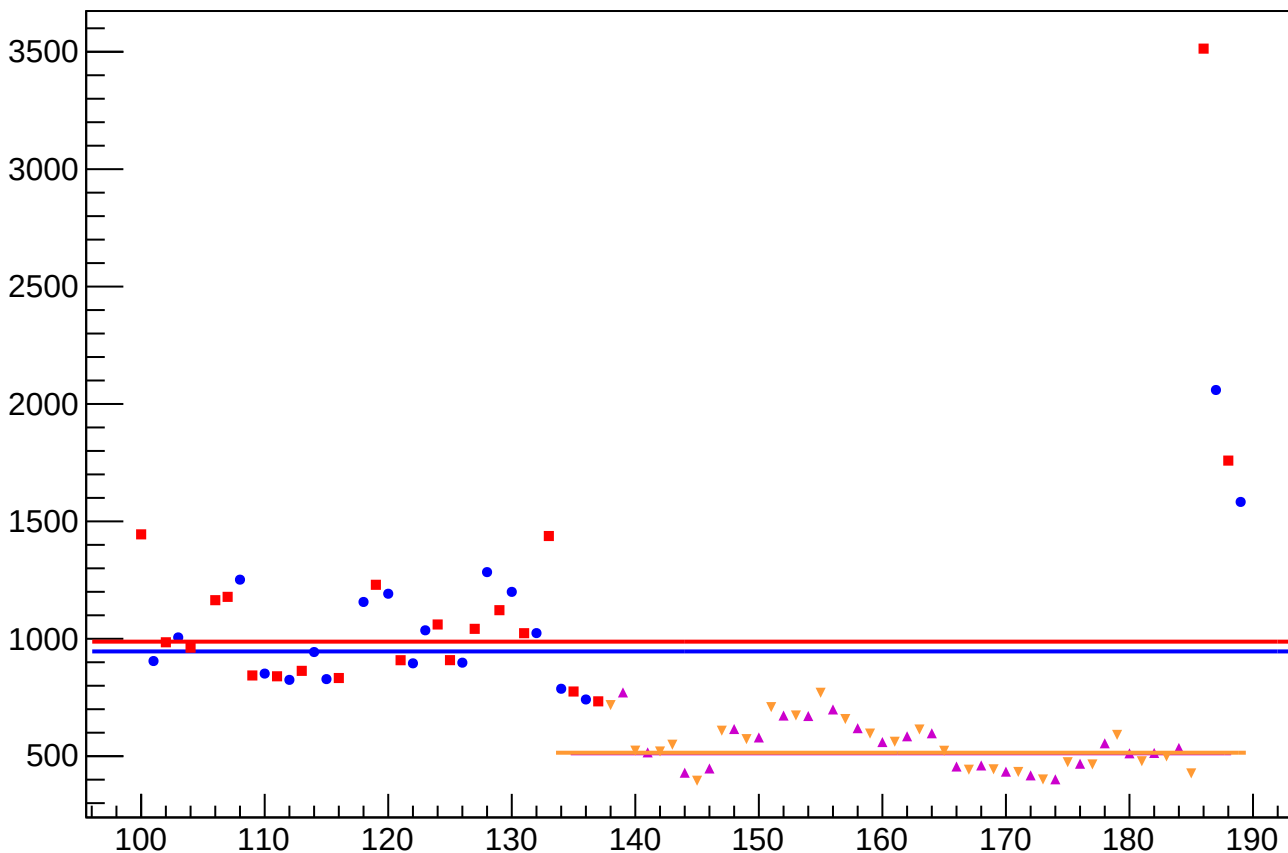
Right: 95.424+/-253.735 χ^2/NDF : 39.0/39

In: 44.387+/-117.934 χ^2/NDF : 50.5/41

Out: -474.563+/-115.492 χ^2/NDF : 87.4/45

All: -220.516+/-82.515 χ^2/NDF : 147.7/87

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



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

Left: 513.505 $\pm$ 0.062 χ^2 /NDF: 2236678.4/47

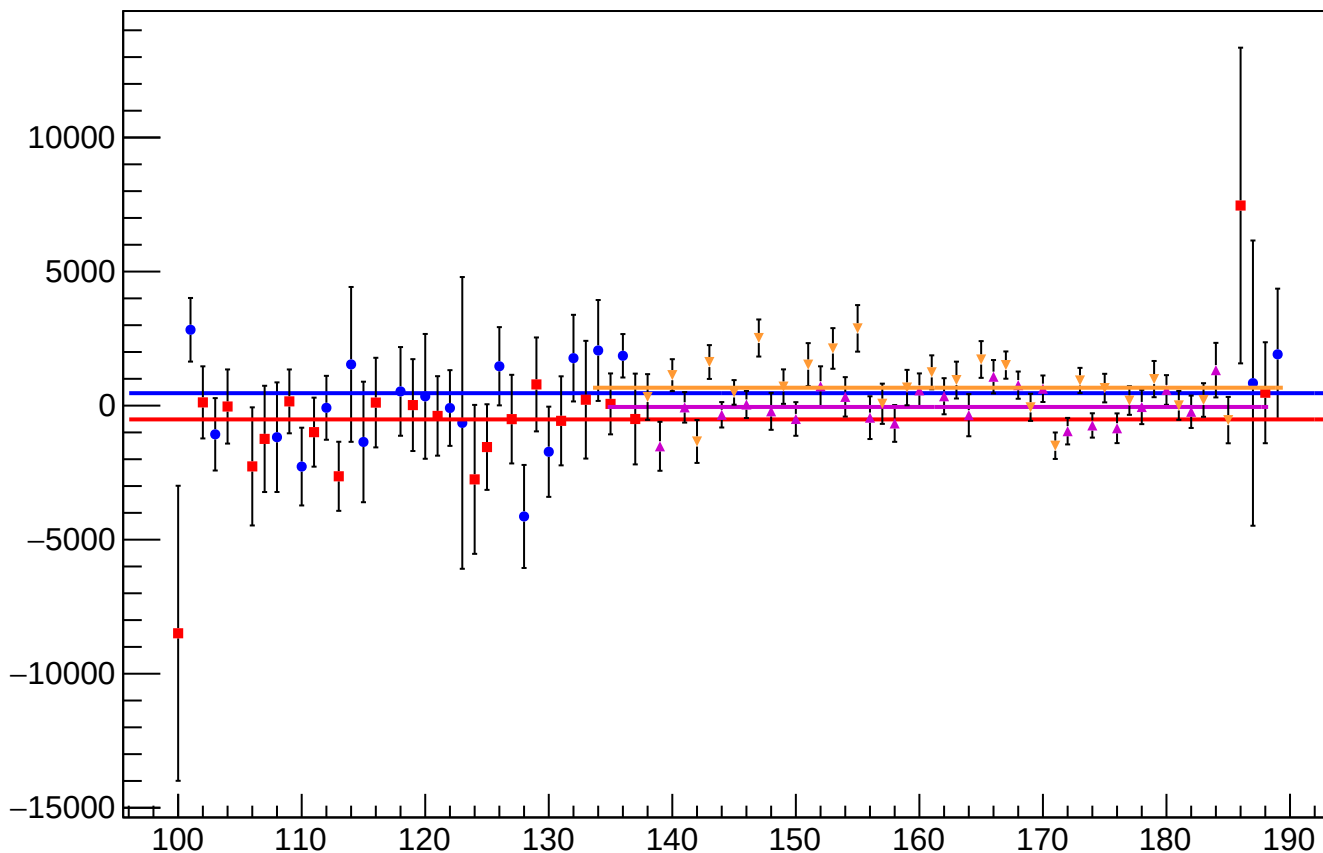
Right: 967.370 $\pm$ 0.179 χ^2 /NDF: 1767736.7/39

In: 558.168 $\pm$ 0.083 χ^2 /NDF:4232147.3/41

Out: 564.704 $\pm$ 0.082 χ^2 /NDF:5491540.4/45

All: 561.504 $\pm$ 0.058 χ^2 /NDF: 9726823.9/87

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left: 316.439+/-88.002 χ^2/NDF : 104.2/47

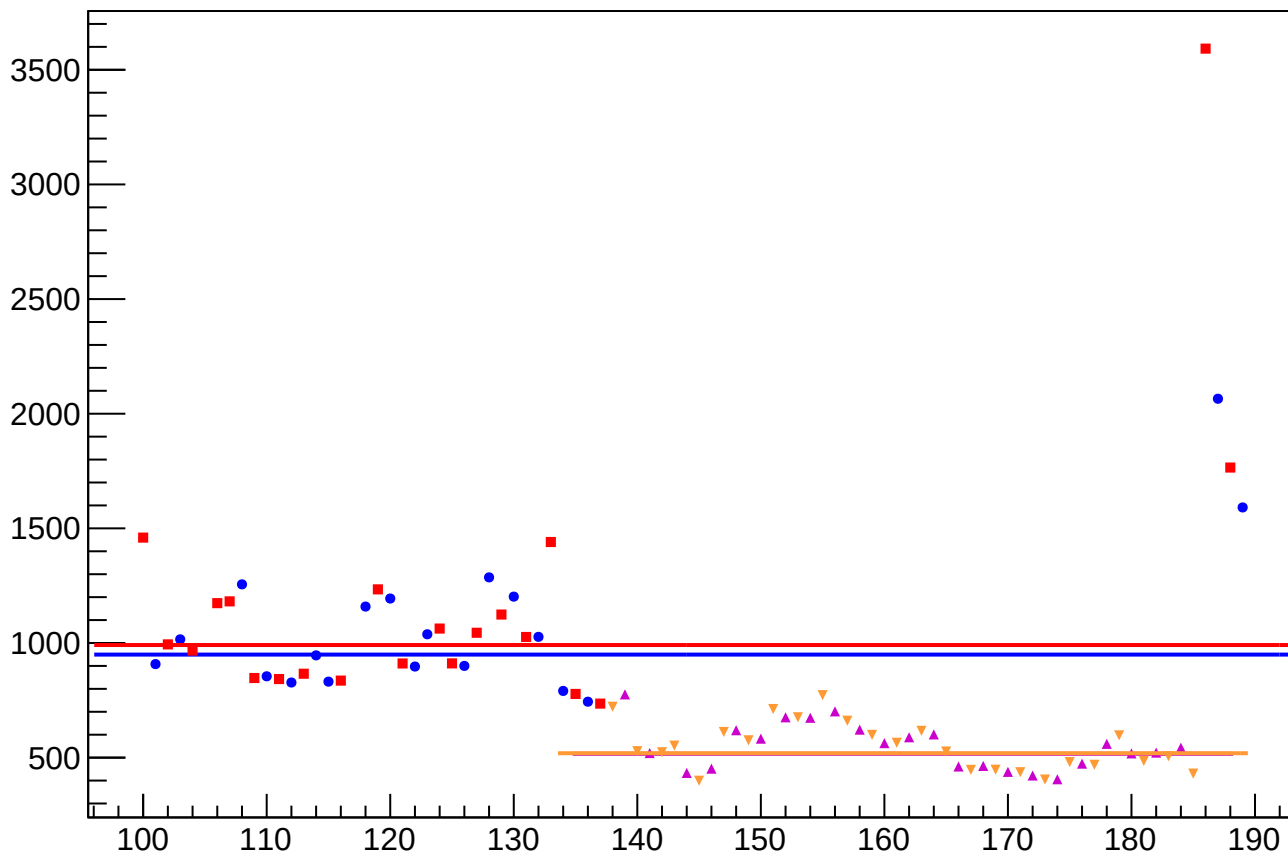
Right: -34.409+/-254.686 χ^2/NDF : 37.7/39

In: 4.879+/-118.889 χ^2/NDF : 51.1/41

Out: 541.838+/-116.409 χ^2/NDF : 82.0/45

All: 279.018+/-83.177 χ^2/NDF : 143.6/87

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 949.432 ± 0.257 $\chi^2/\text{NDF}: 626017.8/18$

Left Out: 519.254 ± 0.087 $\chi^2/\text{NDF}: 1172411.1/24$

Right Out: 991.174 ± 0.252 $\chi^2/\text{NDF}: 1134232.0/20$

Left In: 516.792 ± 0.089 $\chi^2/\text{NDF}: 1021374.1/22$

Left: 518.049 ± 0.062 $\chi^2/\text{NDF}: 2194176.4/47$

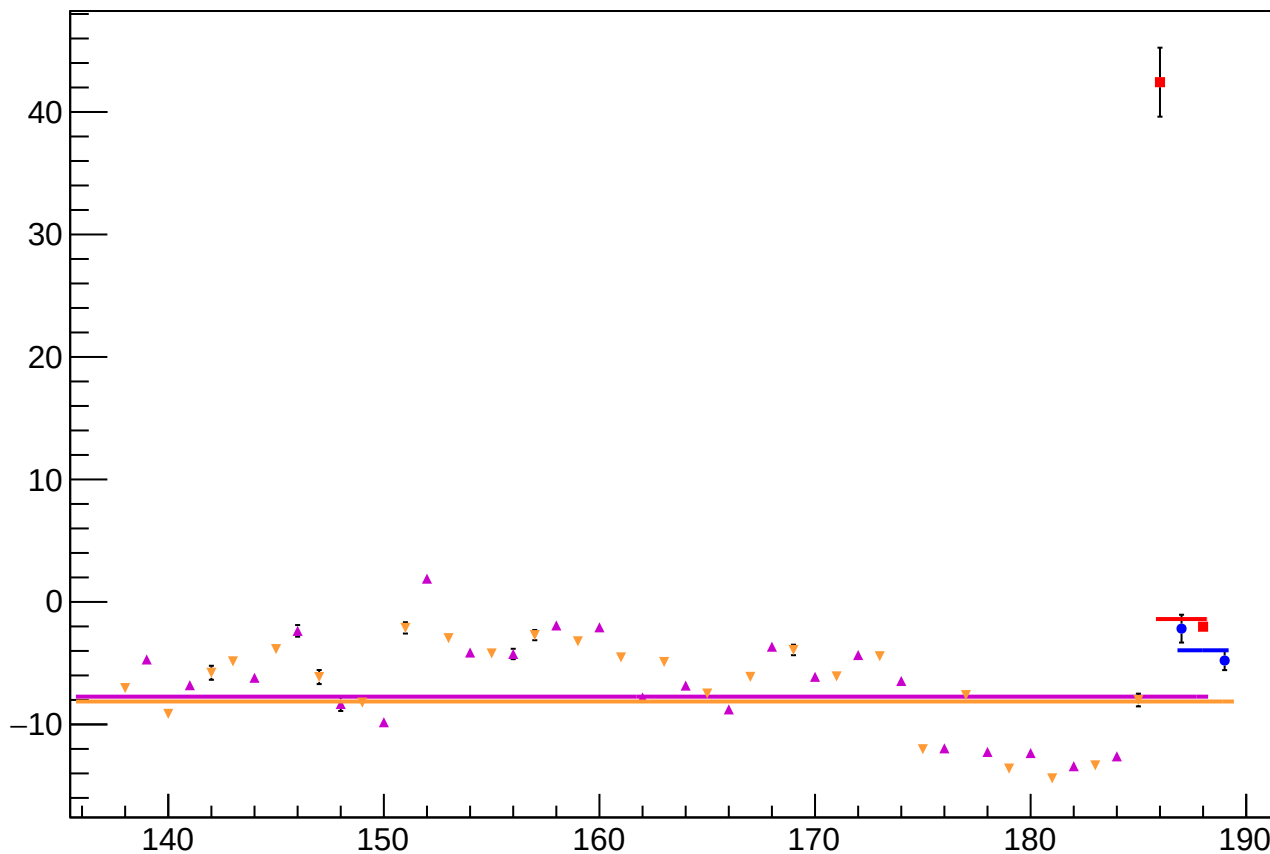
Right: 970.693 ± 0.180 $\chi^2/\text{NDF}: 1773676.1/39$

In: 563.049 ± 0.084 $\chi^2/\text{NDF}: 4176322.9/41$

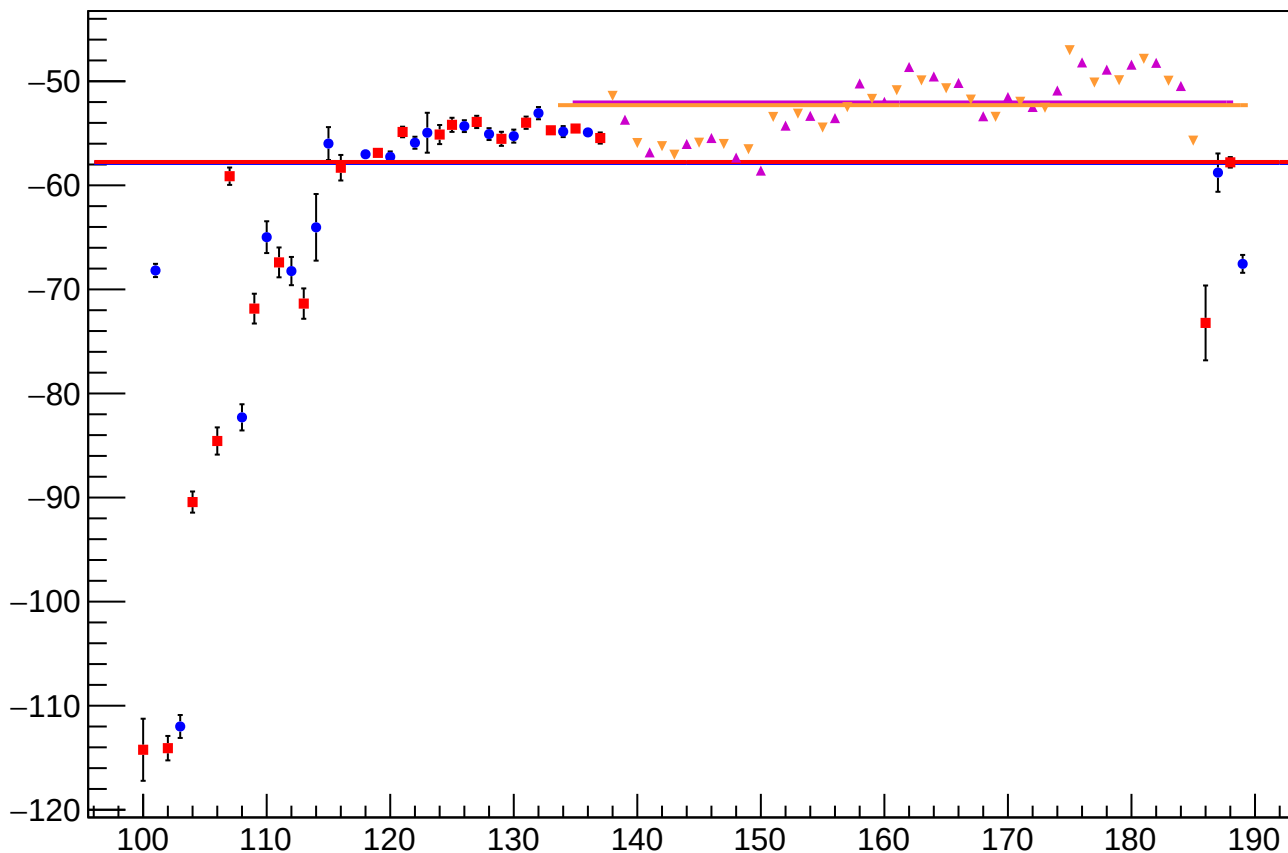
Out: 569.471 ± 0.082 $\chi^2/\text{NDF}: 5432089.3/45$

All: 566.328 ± 0.059 $\chi^2/\text{NDF}: 9611391.8/87$

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.849 $\pm$ 0.141 χ^2 /NDF: 3589.6/18

Left Out: -52.297 $\pm$ 0.055 χ^2 /NDF:2657.5/24

Right Out: -57.755 $\pm$ 0.138 χ^2 /NDF: 4719.1/20

Left In: -52.038 $\pm$ 0.057 χ^2 /NDF:3180.4/22

Left: -52.172 $\pm$ 0.040 χ^2 /NDF: 5848.6/47

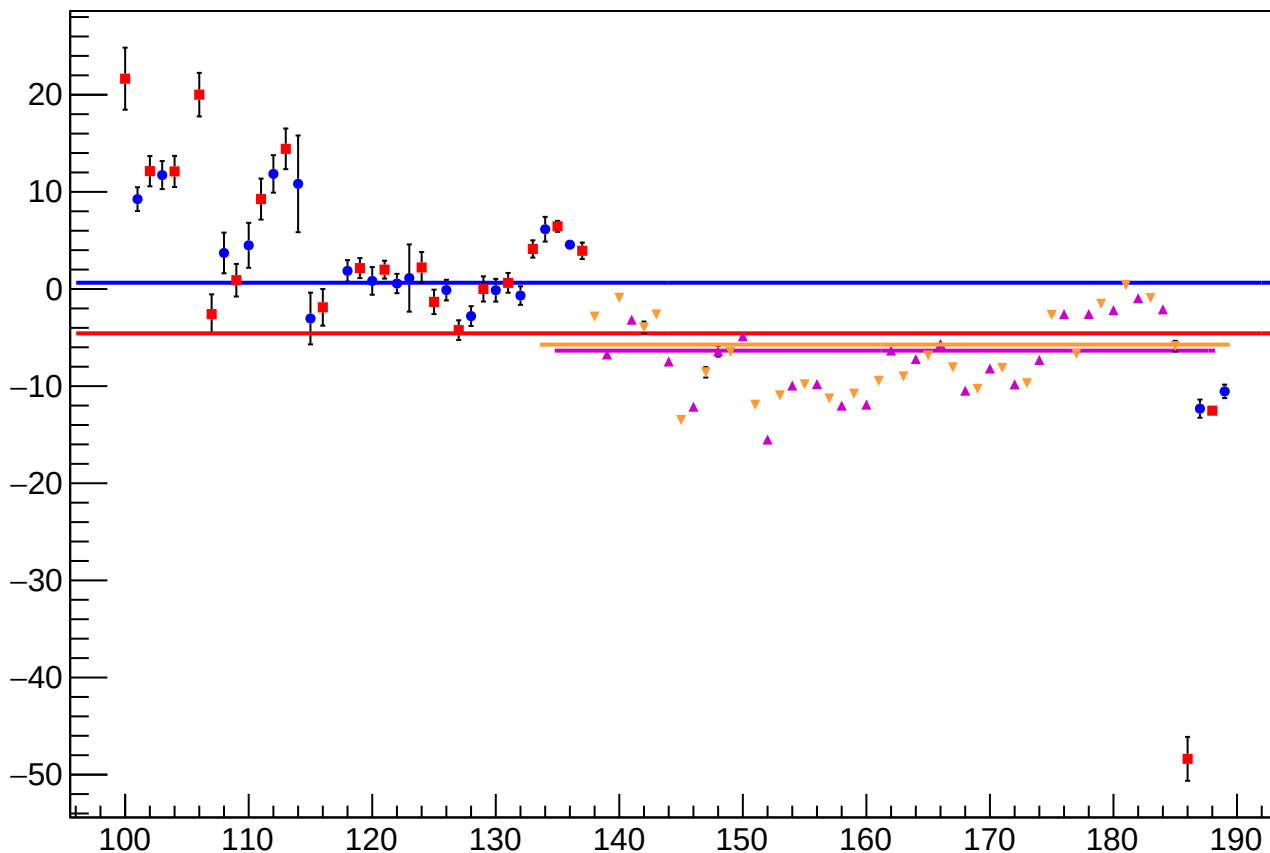
Right: -57.801 $\pm$ 0.098 χ^2 /NDF: 8309.0/39

In: -52.860 $\pm$ 0.053 χ^2 /NDF:8232.0/41

Out: -53.050 $\pm$ 0.051 χ^2 /NDF:8732.8/45

All: -52.958 $\pm$ 0.037 χ^2 /NDF: 16971.5/87

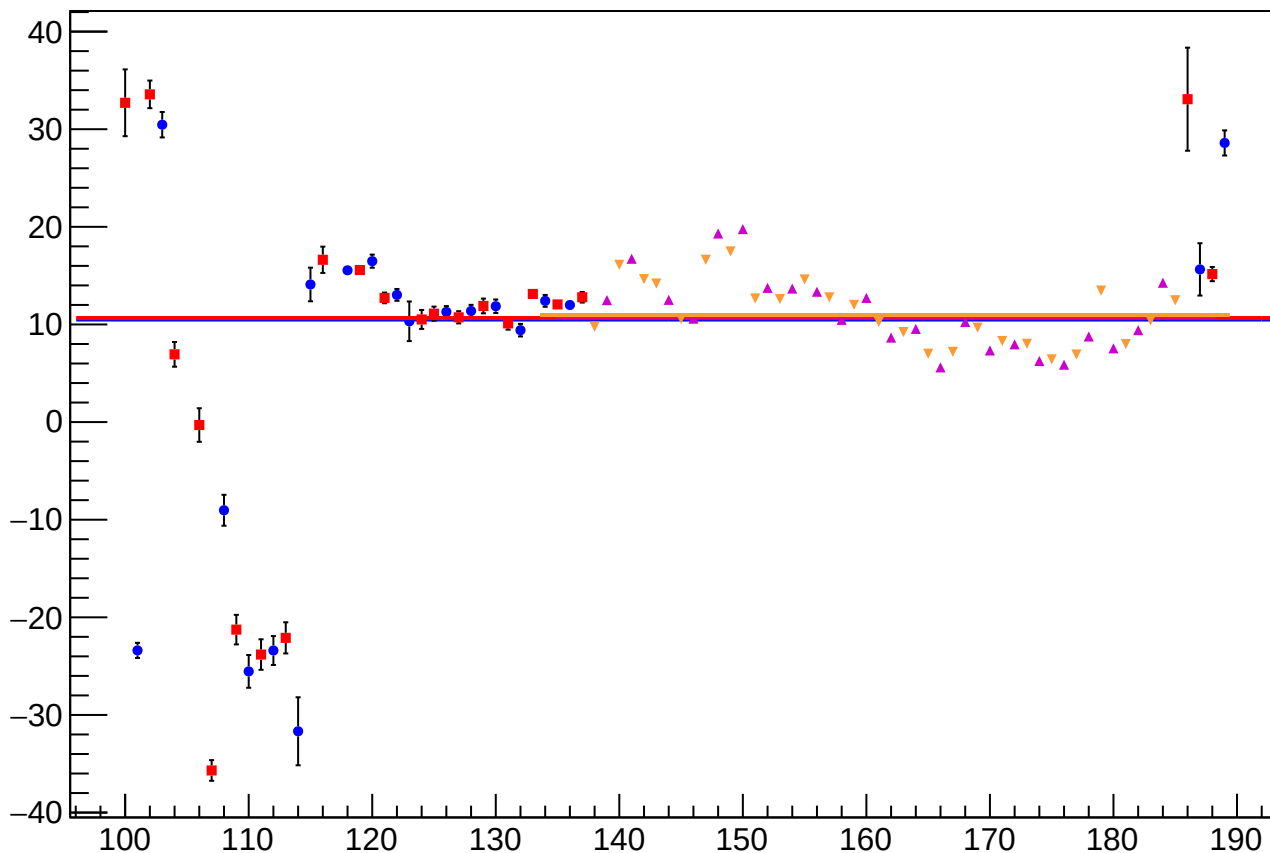
reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.646 ± 0.235 $\chi^2/\text{NDF}: 733.2/18$
 Left Out: -5.722 ± 0.068 $\chi^2/\text{NDF}: 3983.0/24$
 Right Out: -4.562 ± 0.190 $\chi^2/\text{NDF}: 2514.5/20$
 Left In: -6.344 ± 0.069 $\chi^2/\text{NDF}: 3383.7/22$

Left: -6.028 ± 0.048 $\chi^2/\text{NDF}: 7408.5/47$
 Right: -2.500 ± 0.148 $\chi^2/\text{NDF}: 3544.0/39$
 In: -5.795 ± 0.066 $\chi^2/\text{NDF}: 4931.4/41$
 Out: -5.592 ± 0.064 $\chi^2/\text{NDF}: 6530.4/45$
 All: -5.690 ± 0.046 $\chi^2/\text{NDF}: 11466.8/87$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 10.892 $\pm$ 0.044 χ^2 /NDF: 6187.5/47

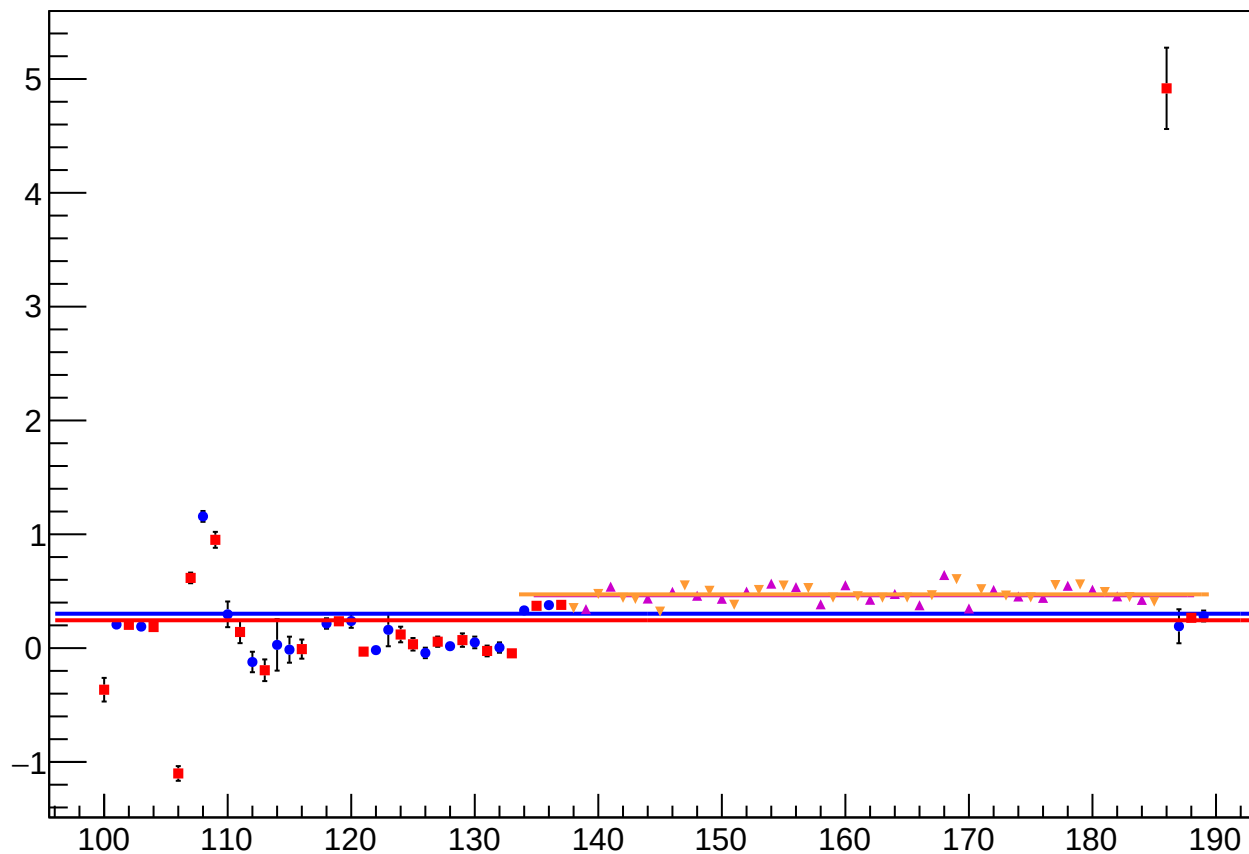
Right: 10.582 $\pm$ 0.111 χ^2 /NDF: 7769.9/39

In: 10.770 $\pm$ 0.059 χ^2 /NDF:7435.0/41

Out: 10.926 $\pm$ 0.057 χ^2 /NDF:6525.6/45

All: 10.850 $\pm$ 0.041 χ^2 /NDF: 13964.2/87

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.468 ± 0.002 χ^2/NDF : 1256.2/47

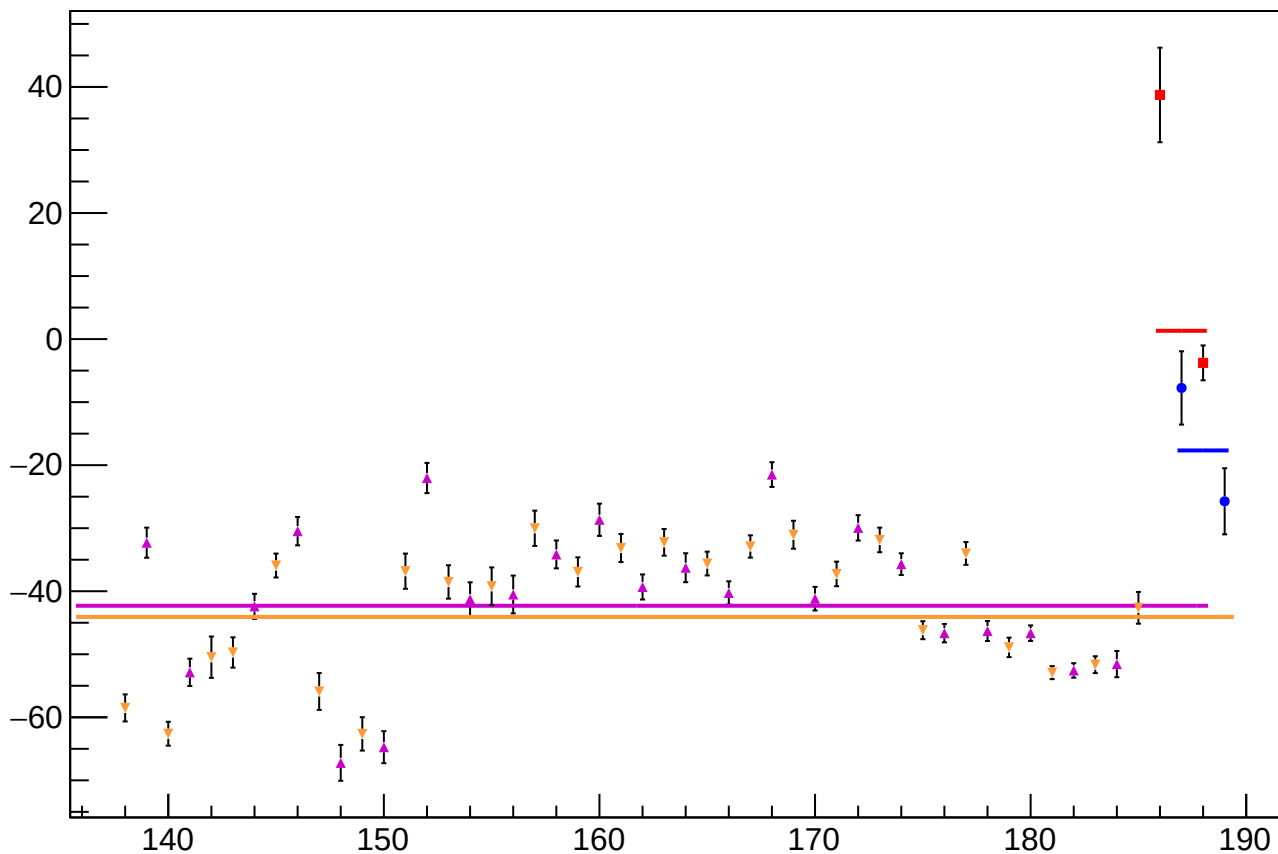
Right: 0.274 ± 0.006 χ^2/NDF : 1827.8/39

In: 0.447 ± 0.003 χ^2/NDF : 1740.0/41

Out: 0.449 ± 0.003 χ^2/NDF : 2358.3/45

All: 0.448 ± 0.002 χ^2/NDF : 4098.7/87

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -17.666 ± 3.894 $\chi^2/\text{NDF}: 5.3/1$
 Left Out: -44.077 ± 0.389 $\chi^2/\text{NDF}: 632.6/24$
 Right Out: 1.316 ± 2.595 $\chi^2/\text{NDF}: 28.3/1$
 Left In: -42.304 ± 0.399 $\chi^2/\text{NDF}: 640.6/22$

Left: -43.214 ± 0.278 $\chi^2/\text{NDF}: 1283.3/47$

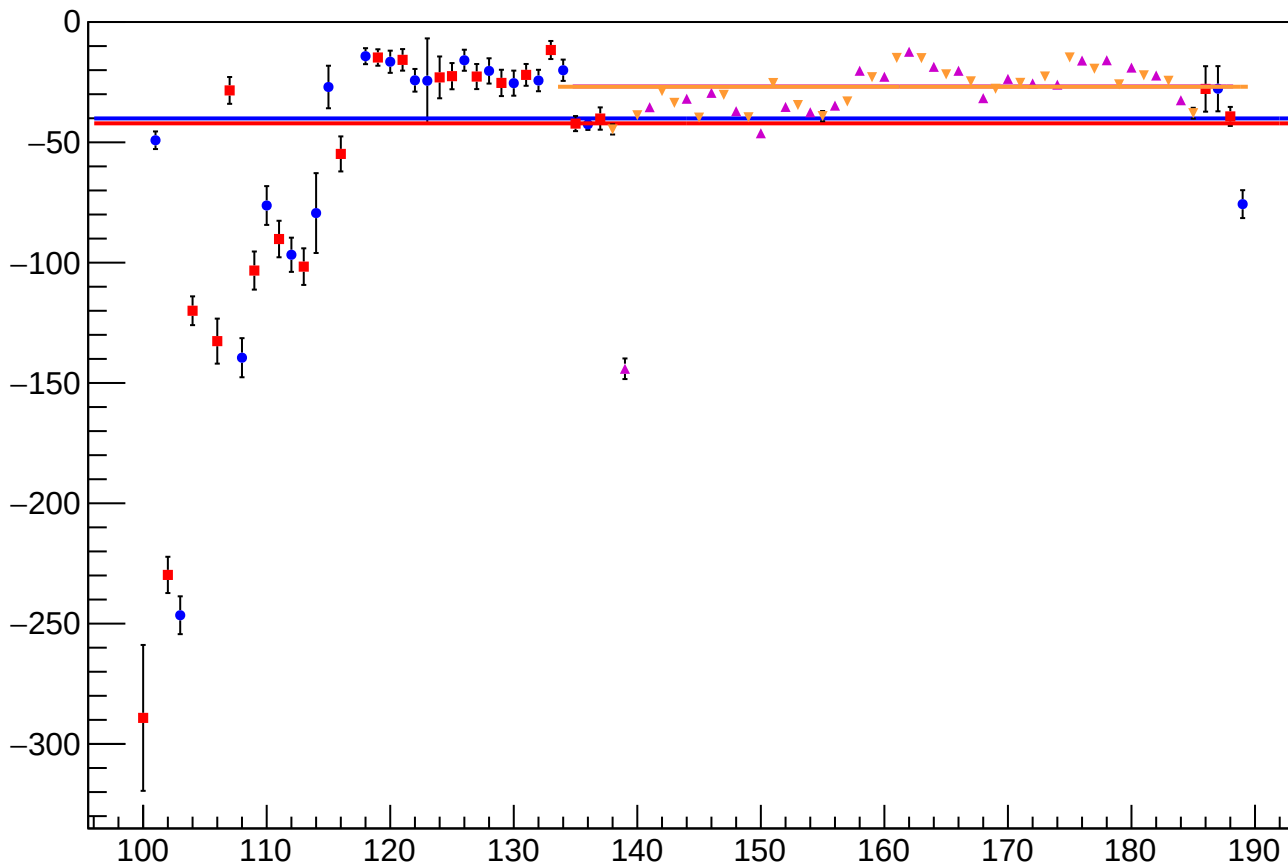
Right: -4.520 ± 2.159 $\chi^2/\text{NDF}: 50.0/3$

In: -42.048 ± 0.397 $\chi^2/\text{NDF}: 685.5/24$

Out: -43.081 ± 0.384 $\chi^2/\text{NDF}: 960.2/26$

All: -42.581 ± 0.276 $\chi^2/\text{NDF}: 1649.2/51$

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -40.067 ± 1.120 $\chi^2/\text{NDF}: 1162.3/18$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -42.109 ± 1.150 $\chi^2/\text{NDF}: 1348.6/20$

Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

Left: -26.840 ± 0.227 $\chi^2/\text{NDF}: 2025.6/47$

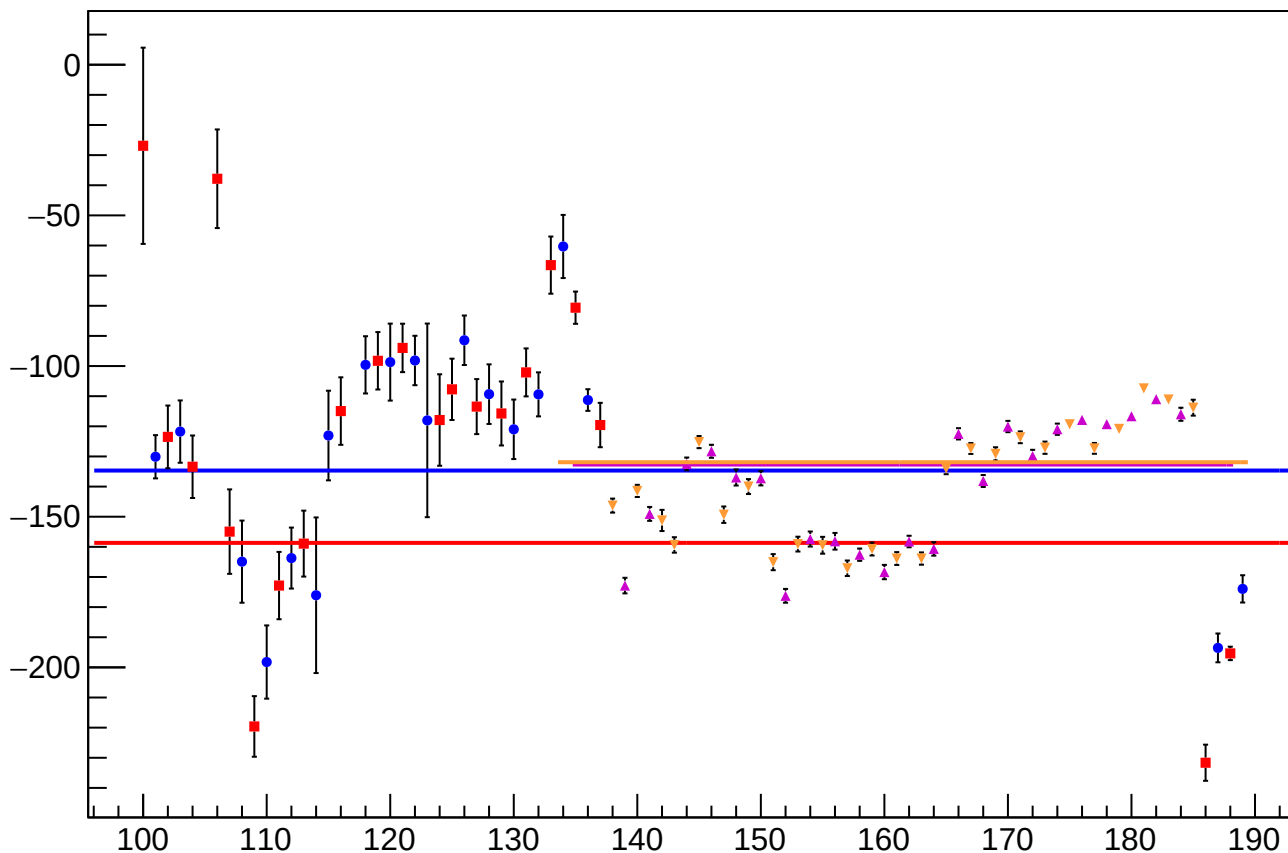
Right: -41.060 ± 0.802 $\chi^2/\text{NDF}: 2512.6/39$

In: -27.814 ± 0.313 $\chi^2/\text{NDF}: 2686.8/41$

Out: -27.972 ± 0.305 $\chi^2/\text{NDF}: 2142.2/45$

All: -27.895 ± 0.219 $\chi^2/\text{NDF}: 4829.1/87$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -134.680 $\pm$ 1.760 χ^2 /NDF: 455.2/18

Left Out: -131.912 $\pm$ 0.391 χ^2 /NDF:2439.3/24

Right Out: -158.681 $\pm$ 1.519 χ^2 /NDF: 1125.0/20

Left In: -132.690 $\pm$ 0.399 χ^2 /NDF:2480.2/22

Left: -132.293 $\pm$ 0.280 χ^2 /NDF: 4921.5/47

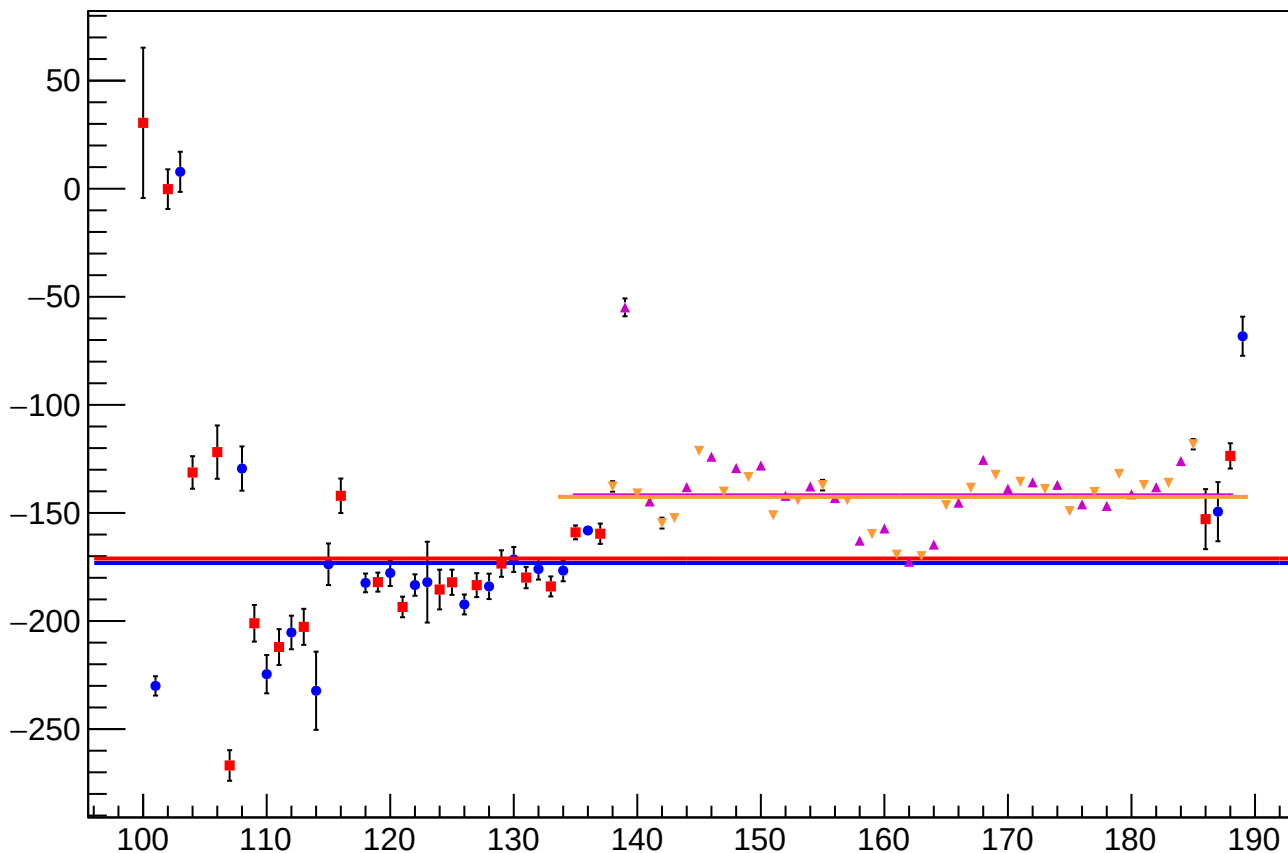
Right: -148.432 $\pm$ 1.150 χ^2 /NDF: 1686.8/39

In: -132.787 $\pm$ 0.390 χ^2 /NDF:2936.6/41

Out: -133.579 $\pm$ 0.379 χ^2 /NDF:3855.5/45

All: -133.194 $\pm$ 0.272 χ^2 /NDF: 6794.2/87

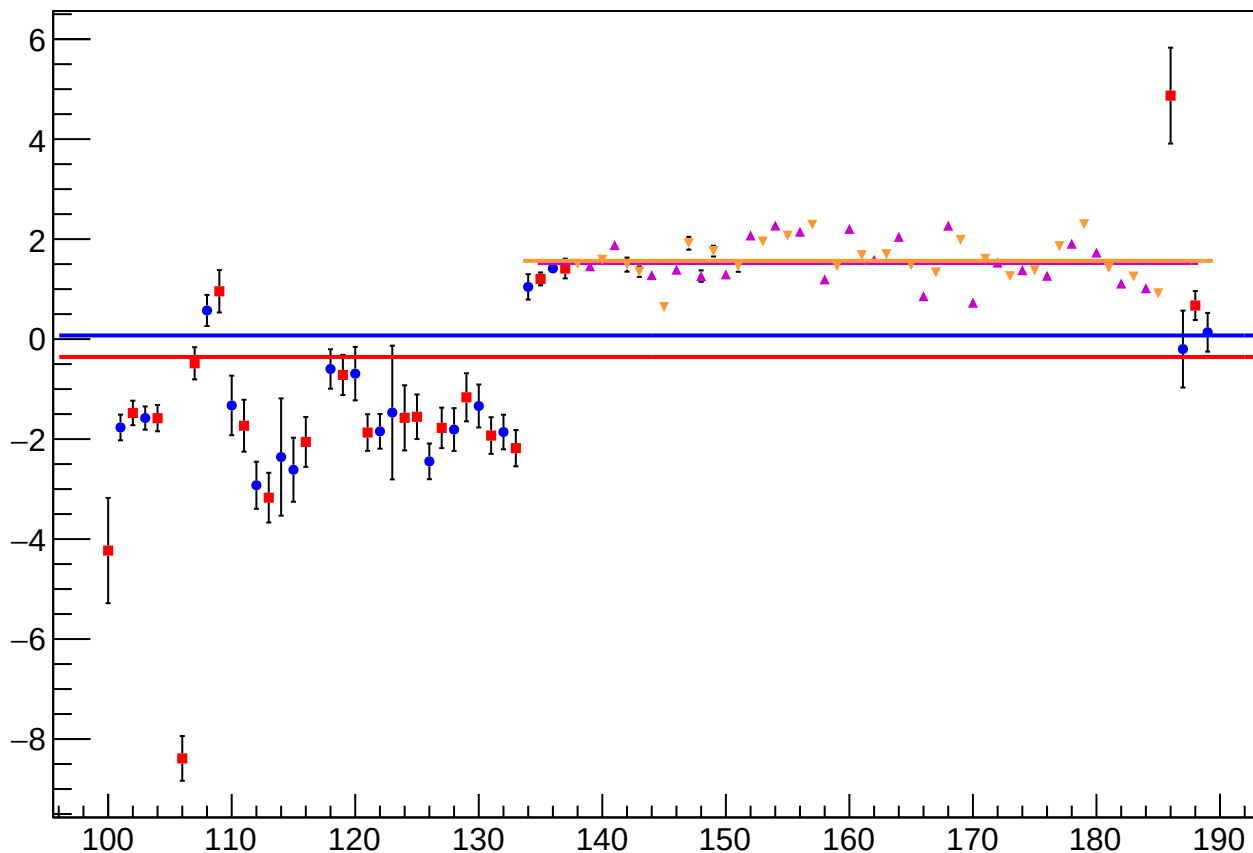
reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -173.170 ± 1.261 $\chi^2/\text{NDF}: 832.1/18$
 Left Out: -142.564 ± 0.354 $\chi^2/\text{NDF}: 1147.7/24$
 Right Out: -171.075 ± 1.318 $\chi^2/\text{NDF}: 809.5/20$
 Left In: -141.856 ± 0.364 $\chi^2/\text{NDF}: 1544.3/22$

Left: -142.220 ± 0.254 $\chi^2/\text{NDF}: 2693.9/47$
 Right: -172.169 ± 0.911 $\chi^2/\text{NDF}: 1643.0/39$
 In: -144.263 ± 0.349 $\chi^2/\text{NDF}: 2945.8/41$
 Out: -144.484 ± 0.342 $\chi^2/\text{NDF}: 2393.9/45$
 All: -144.376 ± 0.244 $\chi^2/\text{NDF}: 5340.0/87$

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 1.545 ± 0.012 χ^2/NDF : 1284.8/47

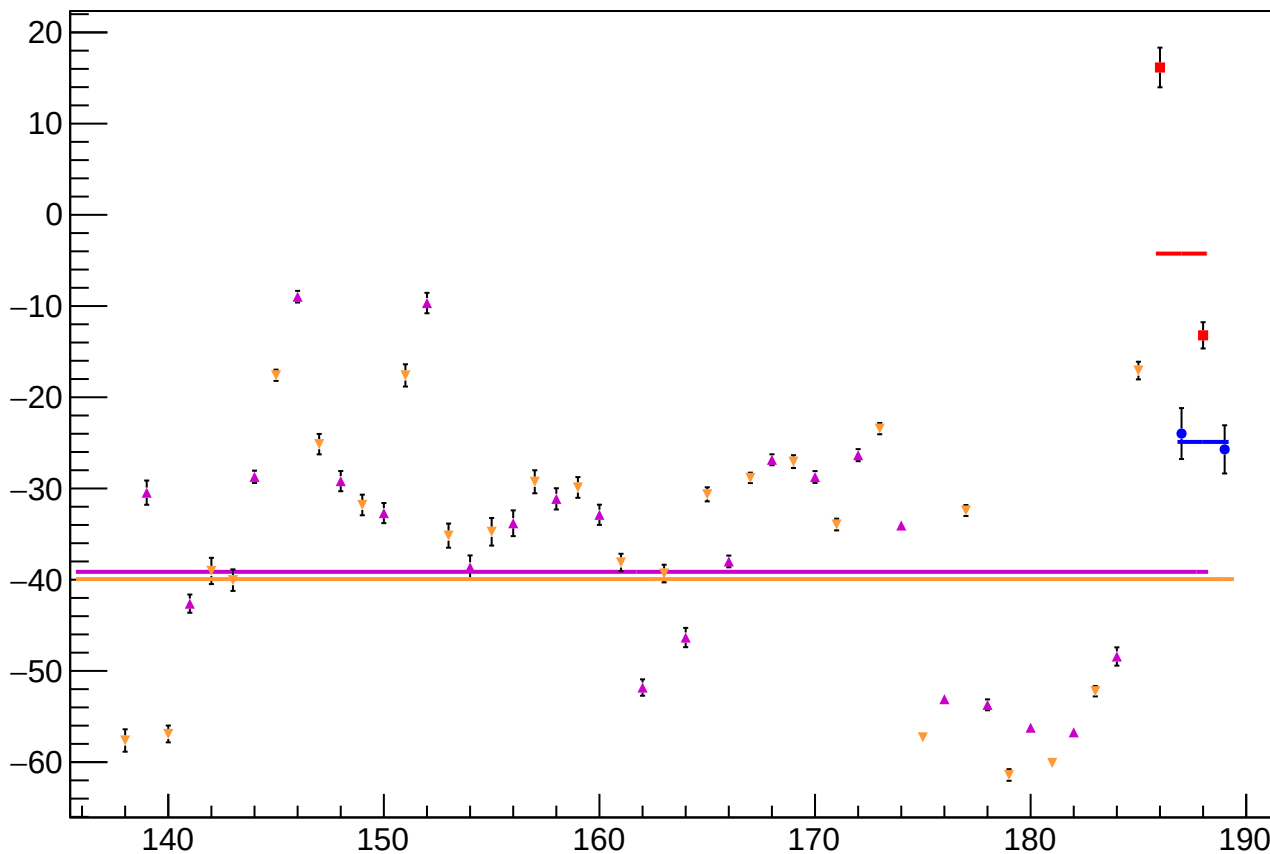
Right: -0.132 ± 0.048 χ^2/NDF : 1340.2/39

In: 1.437 ± 0.016 χ^2/NDF : 1718.9/41

Out: 1.466 ± 0.016 χ^2/NDF : 2071.2/45

All: 1.452 ± 0.011 χ^2/NDF : 3791.8/87

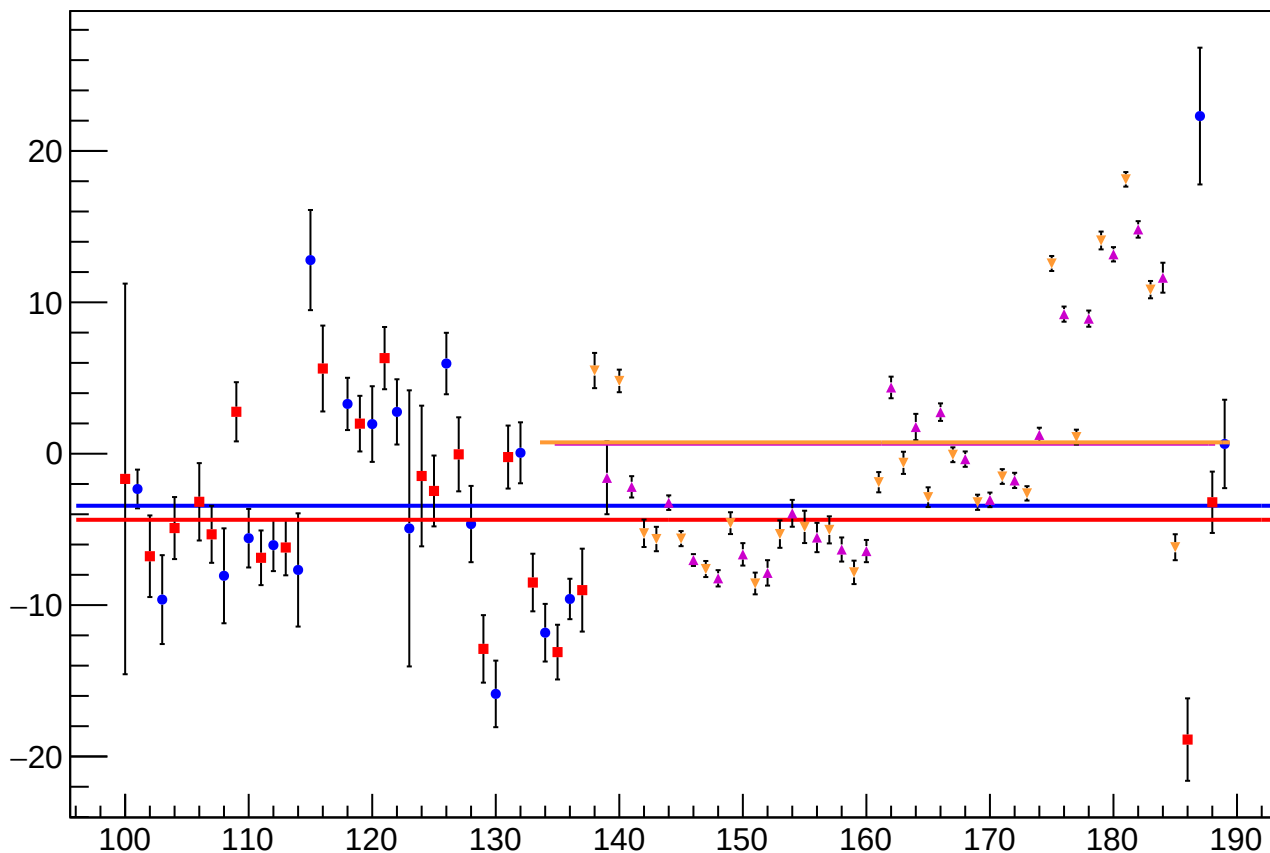
reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 8534.5/22$

Left: -39.540 ± 0.109 $\chi^2/\text{NDF}: 18354.5/47$
 Right: -10.053 ± 1.017 $\chi^2/\text{NDF}: 210.4/3$
 In: -39.045 ± 0.154 $\chi^2/\text{NDF}: 8589.4/24$
 Out: -39.363 ± 0.152 $\chi^2/\text{NDF}: 10803.6/26$
 All: -39.206 ± 0.108 $\chi^2/\text{NDF}: 19395.2/51$

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.705 ± 0.088 χ^2/NDF : 7308.9/47

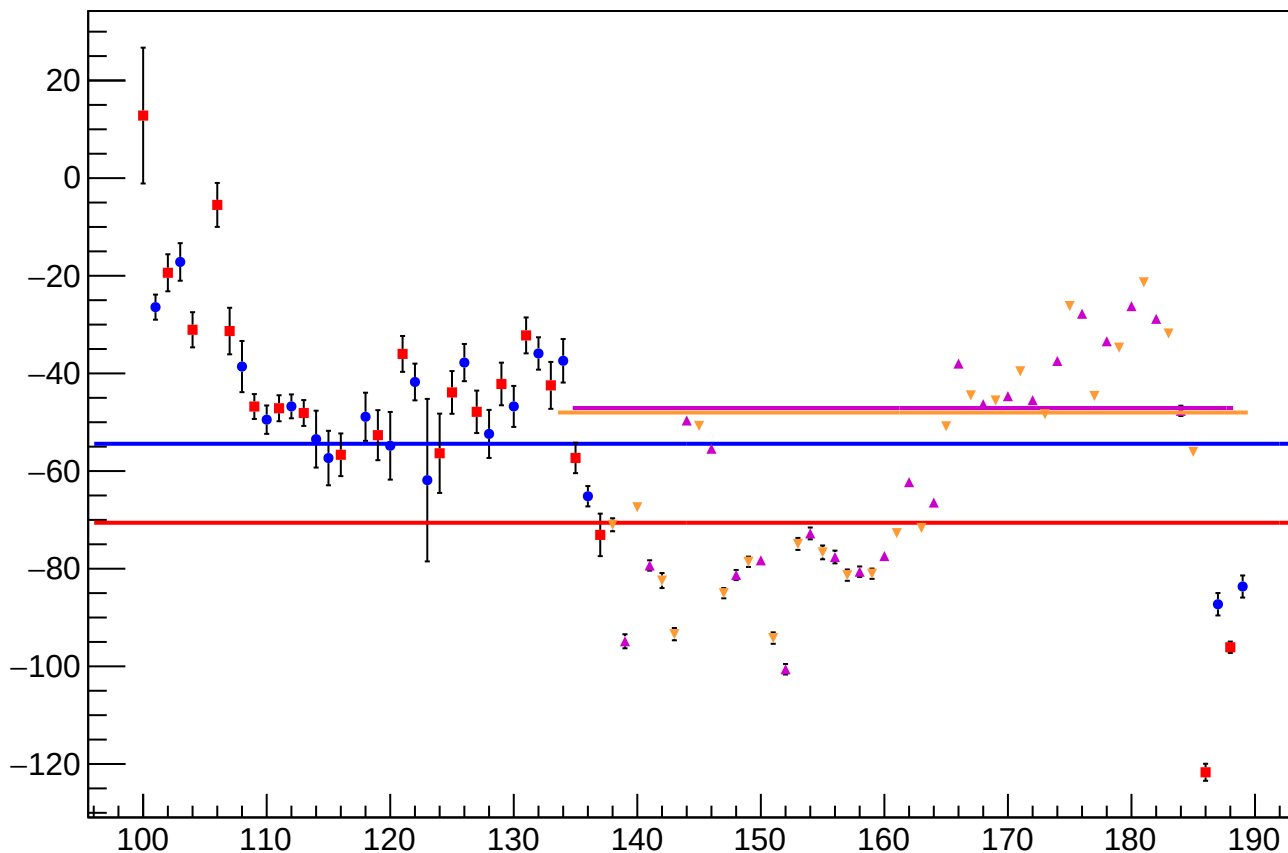
Right: -3.906 ± 0.344 χ^2/NDF : 349.5/39

In: 0.411 ± 0.121 χ^2/NDF : 3599.9/41

Out: 0.434 ± 0.120 χ^2/NDF : 4226.9/45

All: 0.423 ± 0.085 χ^2/NDF : 7826.8/87

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -47.548 ± 0.110 χ^2/NDF : 32482.9/47

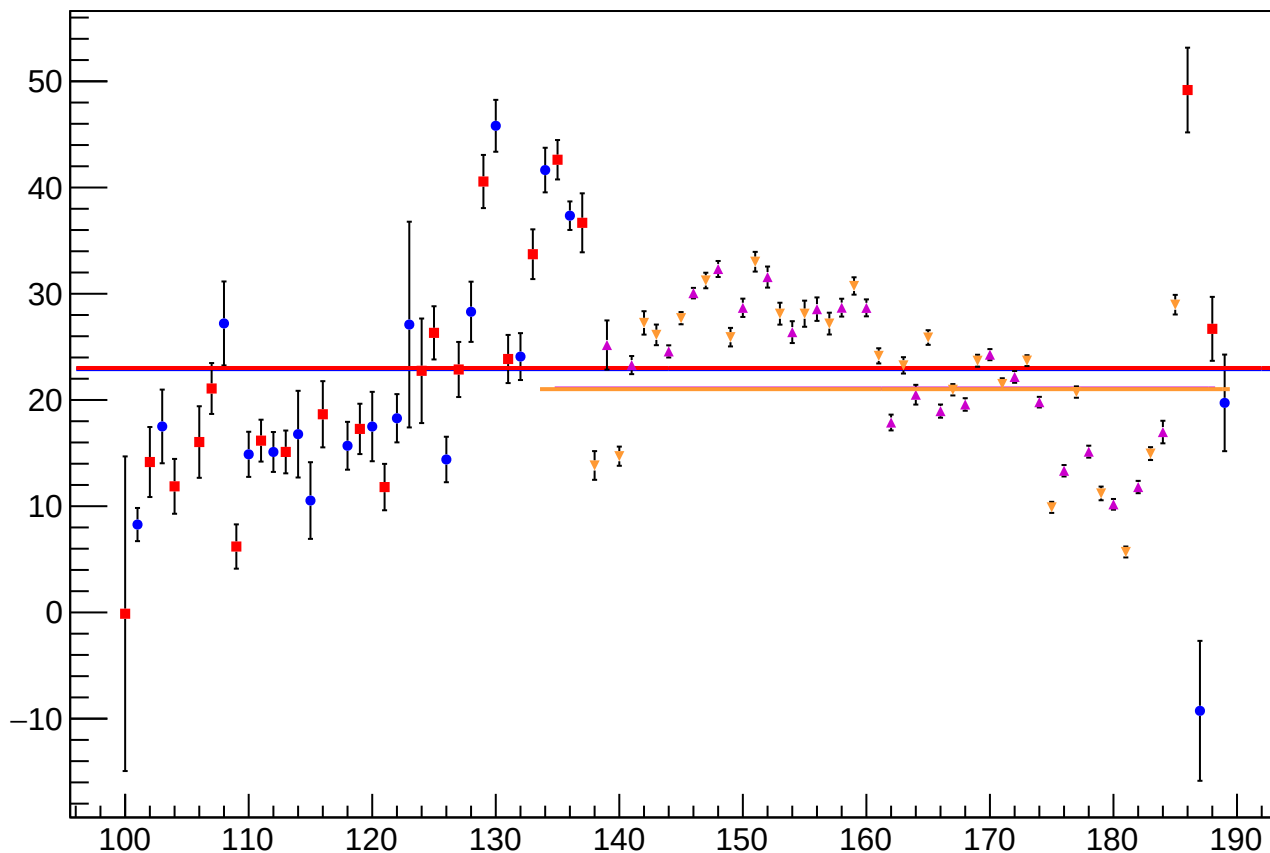
Right: -63.915 ± 0.498 χ^2/NDF : 3546.5/39

In: -47.367 ± 0.152 χ^2/NDF : 16314.5/41

Out: -49.217 ± 0.150 χ^2/NDF : 20669.3/45

All: -48.304 ± 0.107 χ^2/NDF : 37058.5/87

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 21.049 $\pm$ 0.098 χ^2 /NDF: 4972.6/47

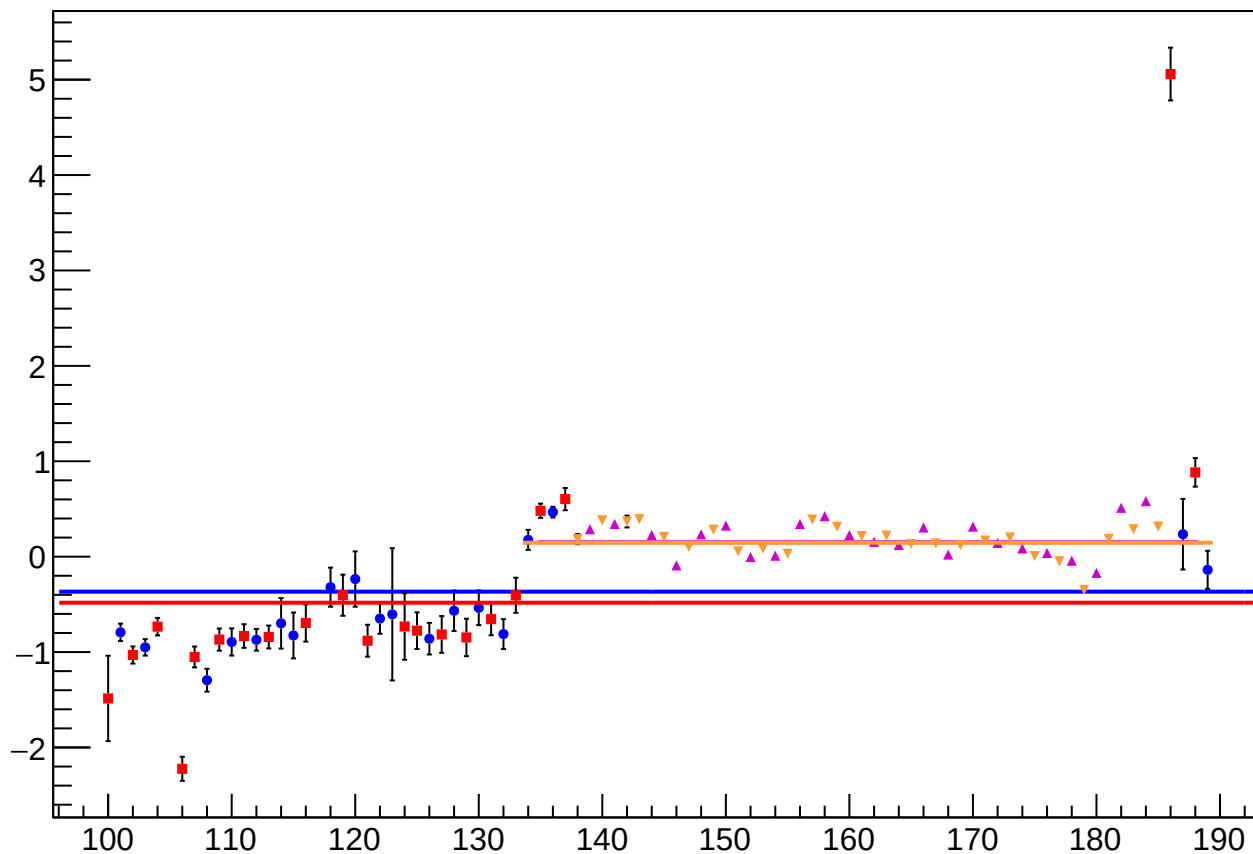
Right: 22.958 $\pm$ 0.393 χ^2 /NDF: 893.8/39

In: 21.188 $\pm$ 0.135 χ^2 /NDF:2665.0/41

Out: 21.136 $\pm$ 0.135 χ^2 /NDF:3223.5/45

All: 21.162 $\pm$ 0.095 χ^2 /NDF: 5888.6/87

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.149 ± 0.005 χ^2/NDF : 1480.1/47

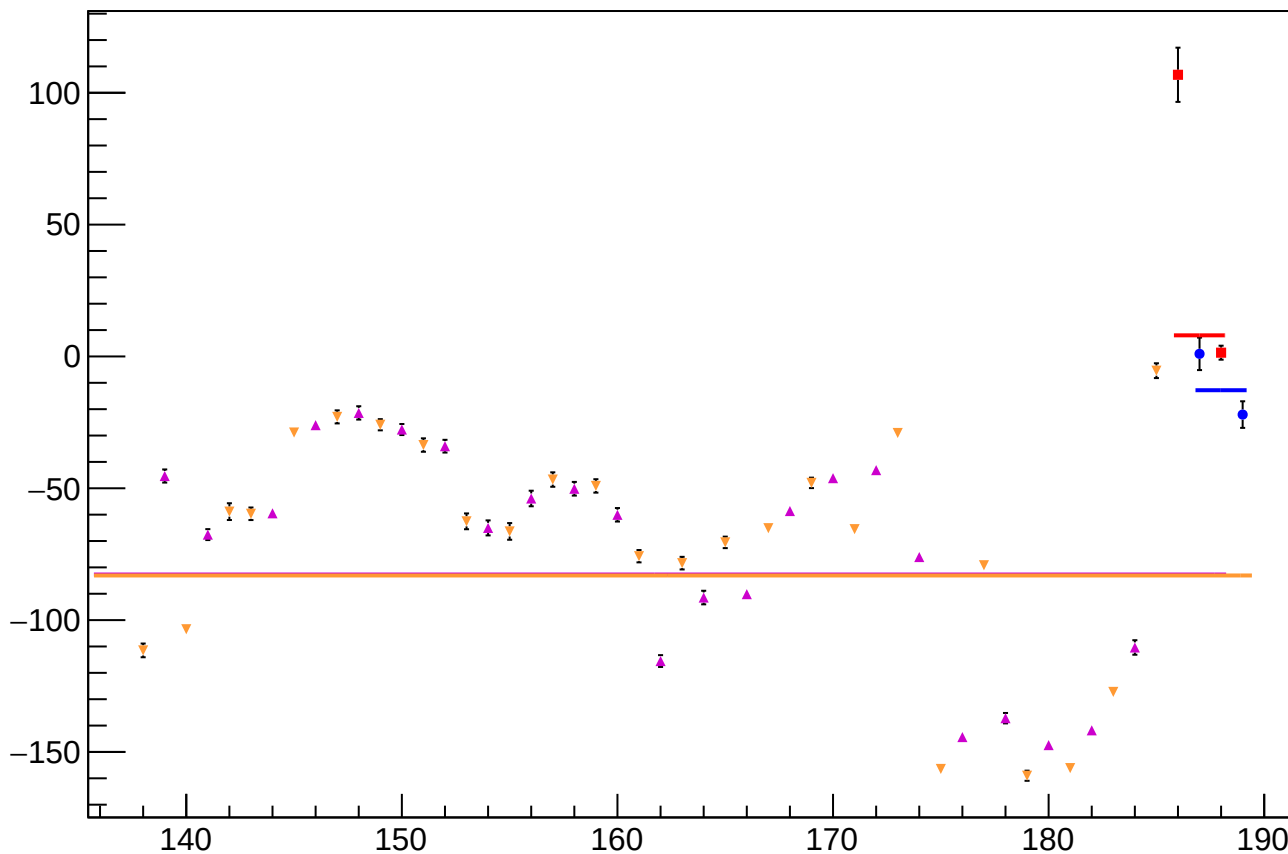
Right: -0.425 ± 0.021 χ^2/NDF : 1502.2/39

In: 0.128 ± 0.006 χ^2/NDF : 1601.9/41

Out: 0.118 ± 0.006 χ^2/NDF : 2098.0/45

All: 0.123 ± 0.004 χ^2/NDF : 3701.1/87

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -12.810 ± 3.903 $\chi^2/\text{NDF}: 8.4/1$

Left Out: -83.068 ± 0.406 $\chi^2/\text{NDF}: 13817.3/24$

Right Out: 8.006 ± 2.569 $\chi^2/\text{NDF}: 98.5/1$

Left In: -82.711 ± 0.415 $\chi^2/\text{NDF}: 10841.4/22$

Left: -82.893 ± 0.290 $\chi^2/\text{NDF}: 24659.1/47$

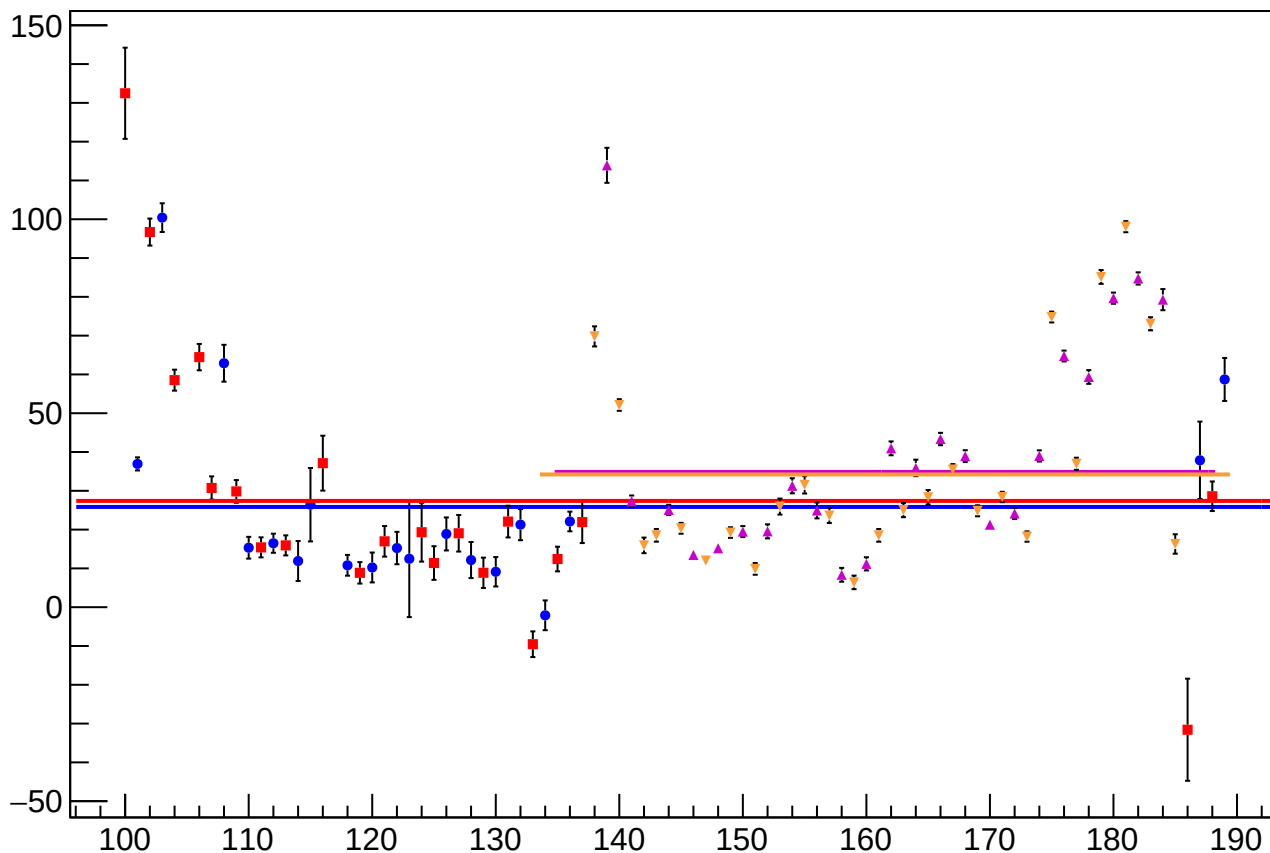
Right: 1.715 ± 2.146 $\chi^2/\text{NDF}: 126.7/3$

In: -81.929 ± 0.413 $\chi^2/\text{NDF}: 11166.9/24$

Out: -80.845 ± 0.401 $\chi^2/\text{NDF}: 15142.1/26$

All: -81.372 ± 0.288 $\chi^2/\text{NDF}: 26312.6/51$

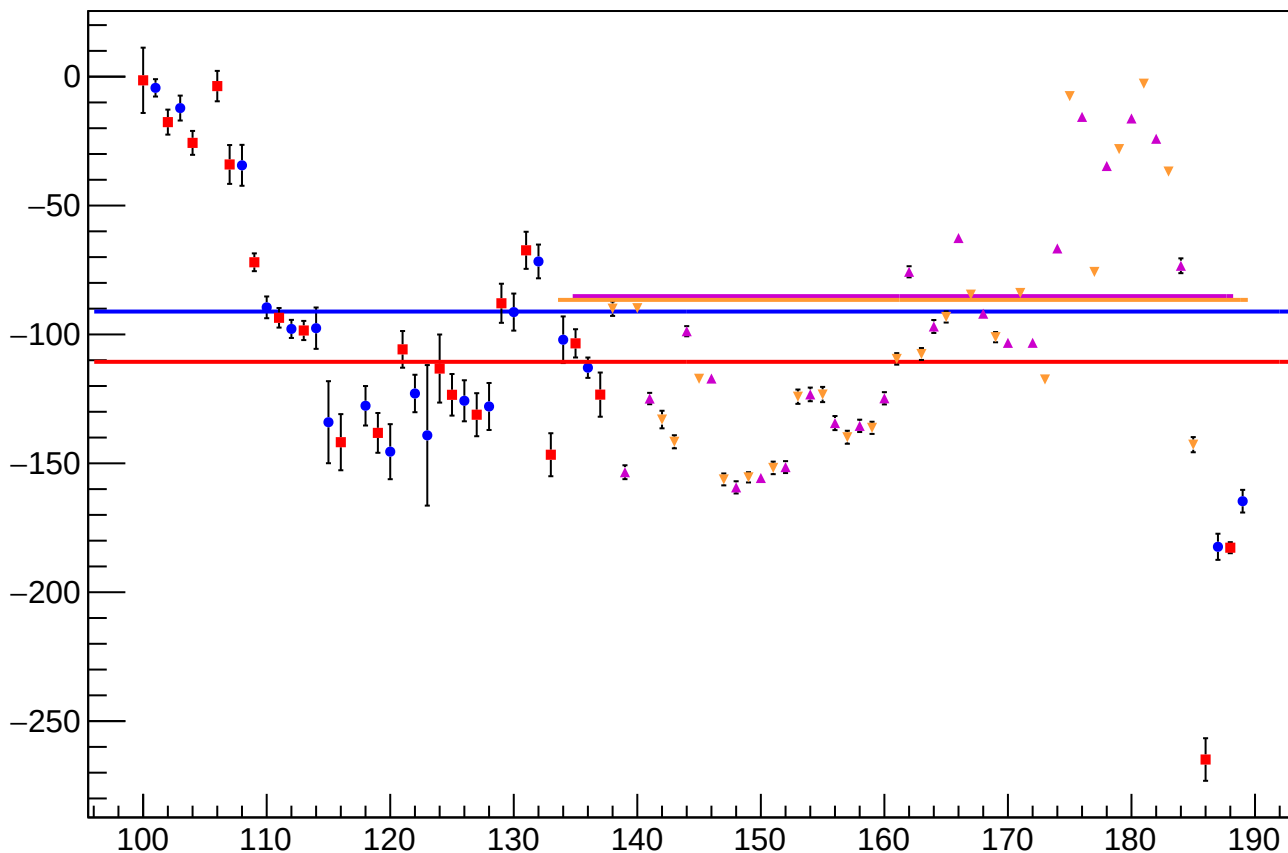
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 4716.1/22$

Left: 34.535 ± 0.230 $\chi^2/\text{NDF}: 10910.7/47$
 Right: 26.624 ± 0.561 $\chi^2/\text{NDF}: 1759.8/39$
 In: 33.552 ± 0.304 $\chi^2/\text{NDF}: 5550.0/41$
 Out: 33.260 ± 0.297 $\chi^2/\text{NDF}: 7290.2/45$
 All: 33.402 ± 0.212 $\chi^2/\text{NDF}: 12840.6/87$

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -85.876 ± 0.291 χ^2/NDF : 27363.3/47

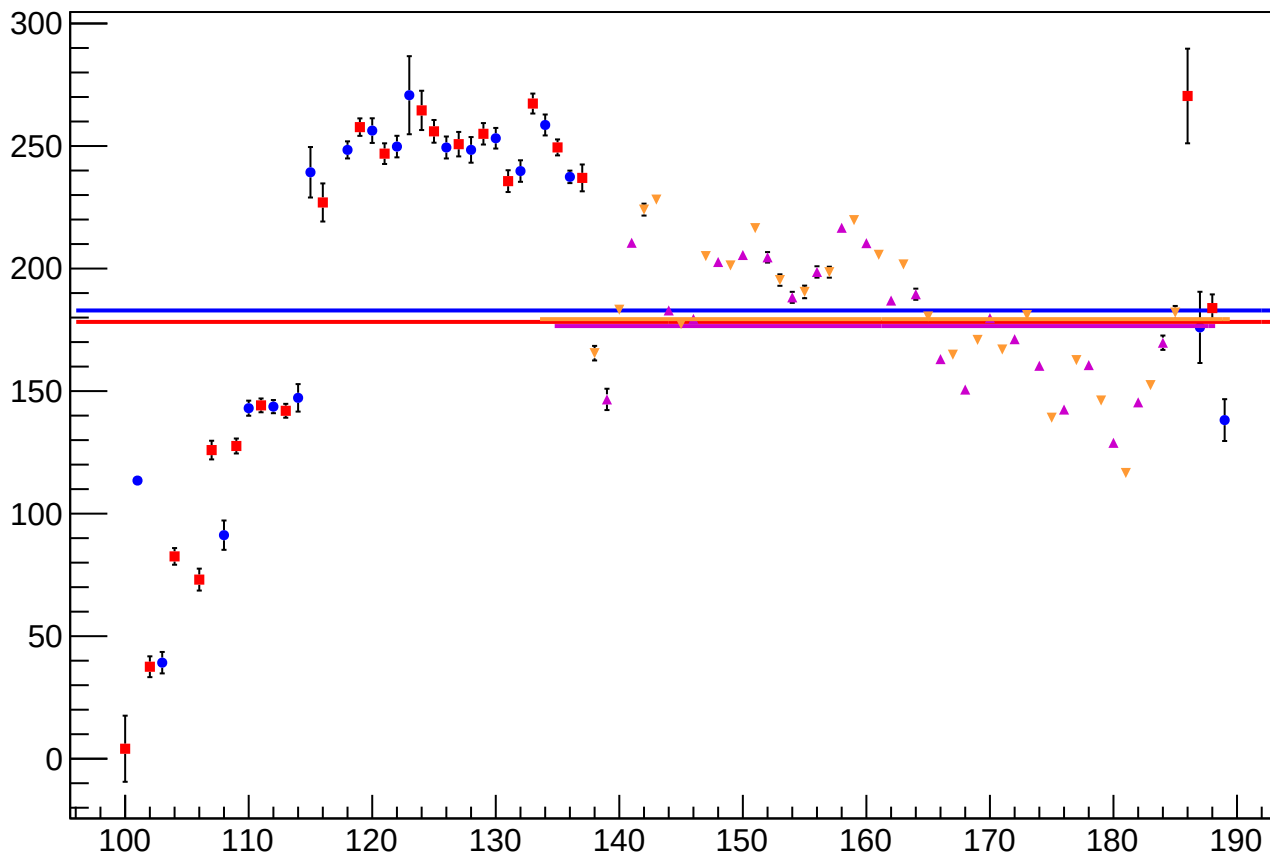
Right: -102.228 ± 0.856 χ^2/NDF : 4814.1/39

In: -85.684 ± 0.395 χ^2/NDF : 14604.5/41

Out: -89.354 ± 0.384 χ^2/NDF : 17855.7/45

All: -87.572 ± 0.276 χ^2/NDF : 32504.5/87

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 177.980 $\pm$ 0.259 χ^2 /NDF: 10438.0/47

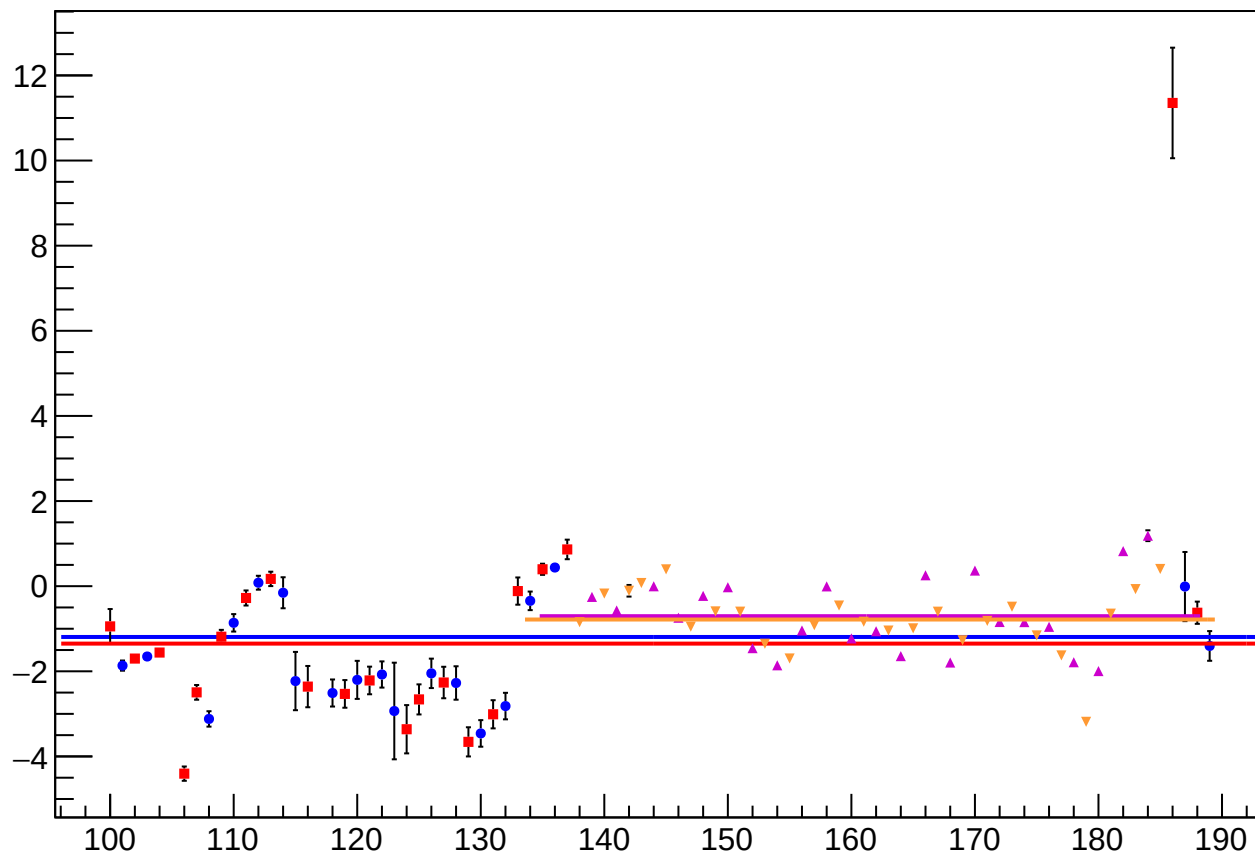
Right: 180.563 $\pm$ 0.645 χ^2 /NDF: 11719.9/39

In: 177.433 $\pm$ 0.344 χ^2 /NDF: 9814.0/41

Out: 179.206 $\pm$ 0.336 χ^2 /NDF: 12344.1/45

All: 178.339 $\pm$ 0.240 χ^2 /NDF: 22171.7/87

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -0.745 +/- 0.012 χ^2/NDF : 4190.3/47

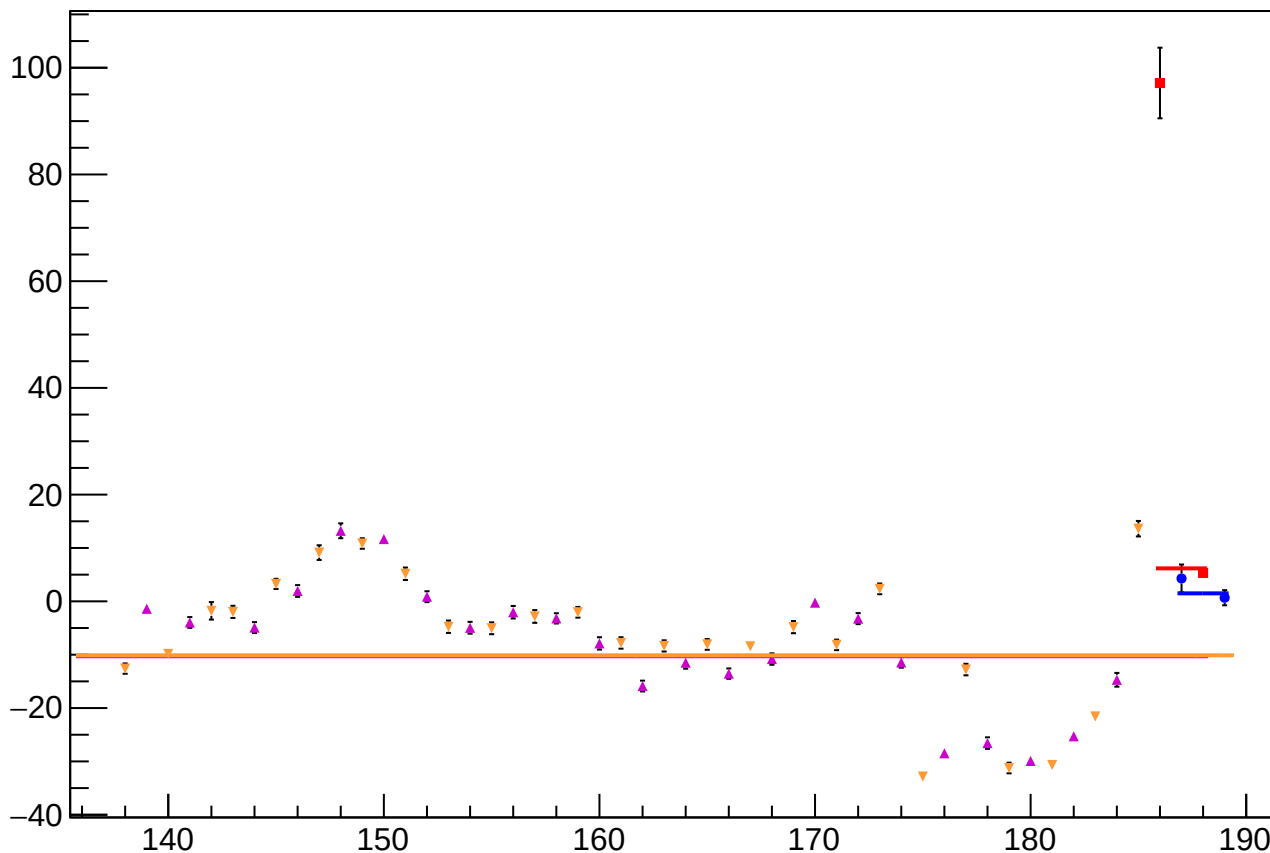
Right: -1.276 +/- 0.033 χ^2/NDF : 1652.1/39

In: -0.759 +/- 0.016 χ^2/NDF : 3123.8/41

Out: -0.851 +/- 0.016 χ^2/NDF : 2933.7/45

All: -0.806 +/- 0.011 χ^2/NDF : 6074.3/87

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -10.202+/-0.144 χ^2/NDF : 7589.5/47

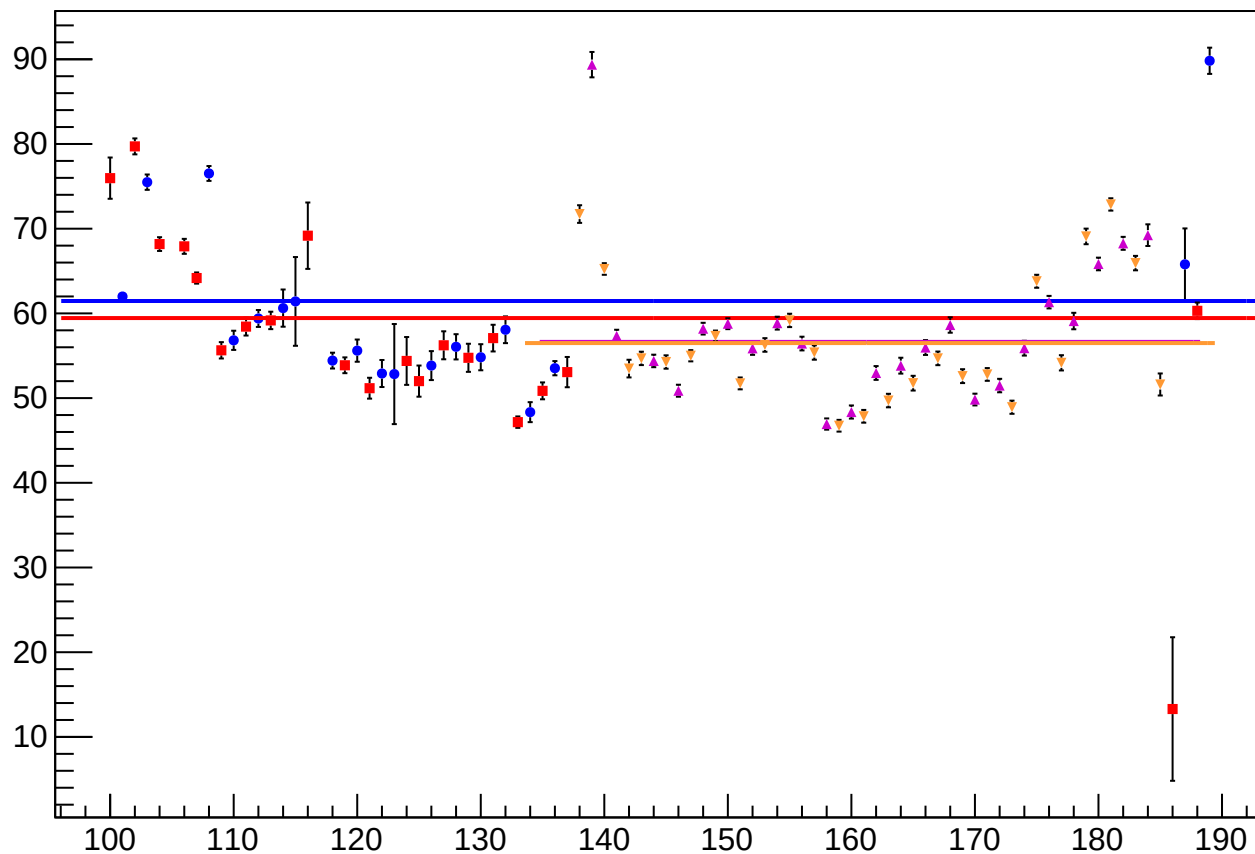
Right: 5.208+/-0.567 χ^2/NDF : 203.3/3

In: -9.979+/-0.203 χ^2/NDF : 3539.5/24

Out: -8.636+/-0.192 χ^2/NDF : 4923.9/26

All: -9.271+/-0.139 χ^2/NDF : 8486.6/51

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 56.563 $\pm$ 0.114 χ^2 /NDF: 3576.3/47

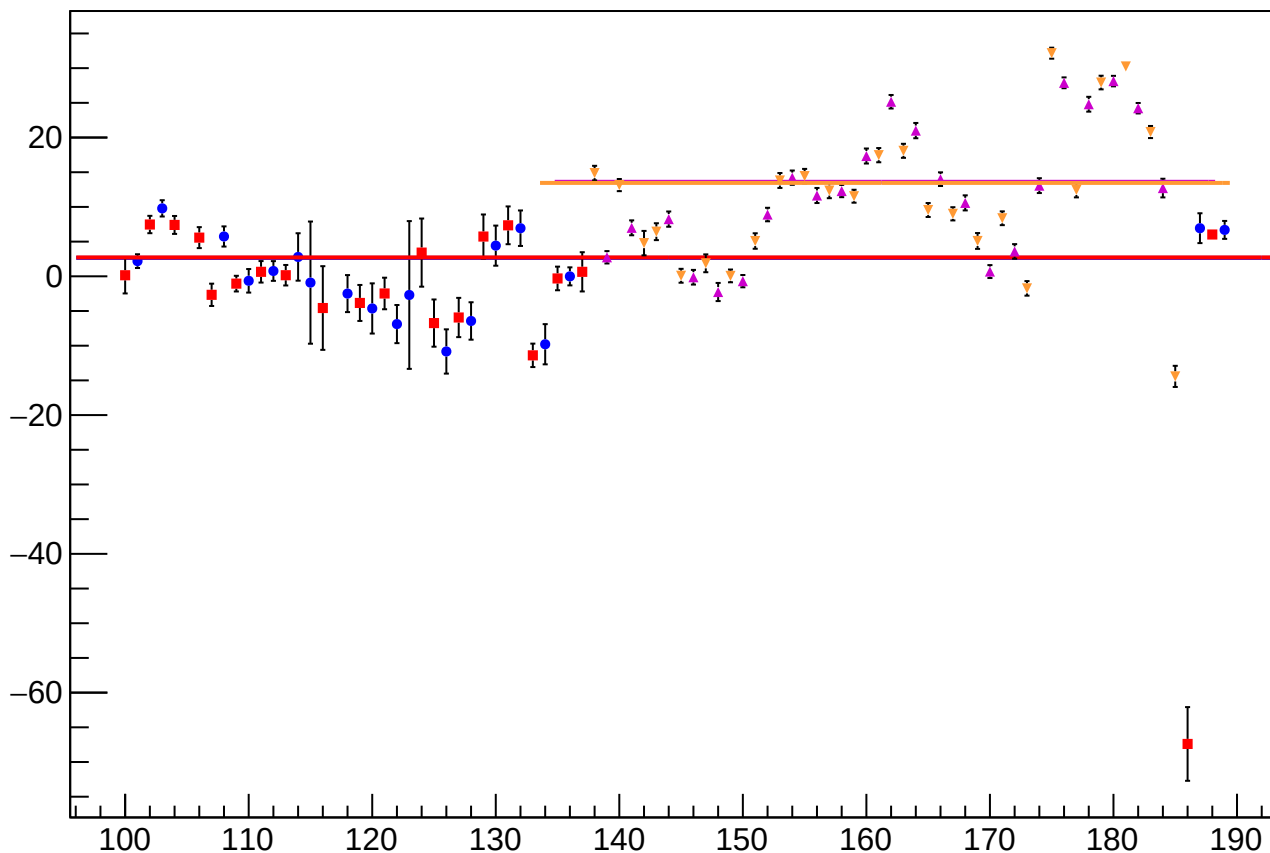
Right: 60.380 $\pm$ 0.176 χ^2 /NDF: 2659.4/39

In: 58.030 $\pm$ 0.139 χ^2 /NDF: 3126.1/41

Out: 57.395 $\pm$ 0.133 χ^2 /NDF: 3428.7/45

All: 57.696 $\pm$ 0.096 χ^2 /NDF: 6565.8/87

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 13.540 ± 0.144 χ^2/NDF : 5052.0/47

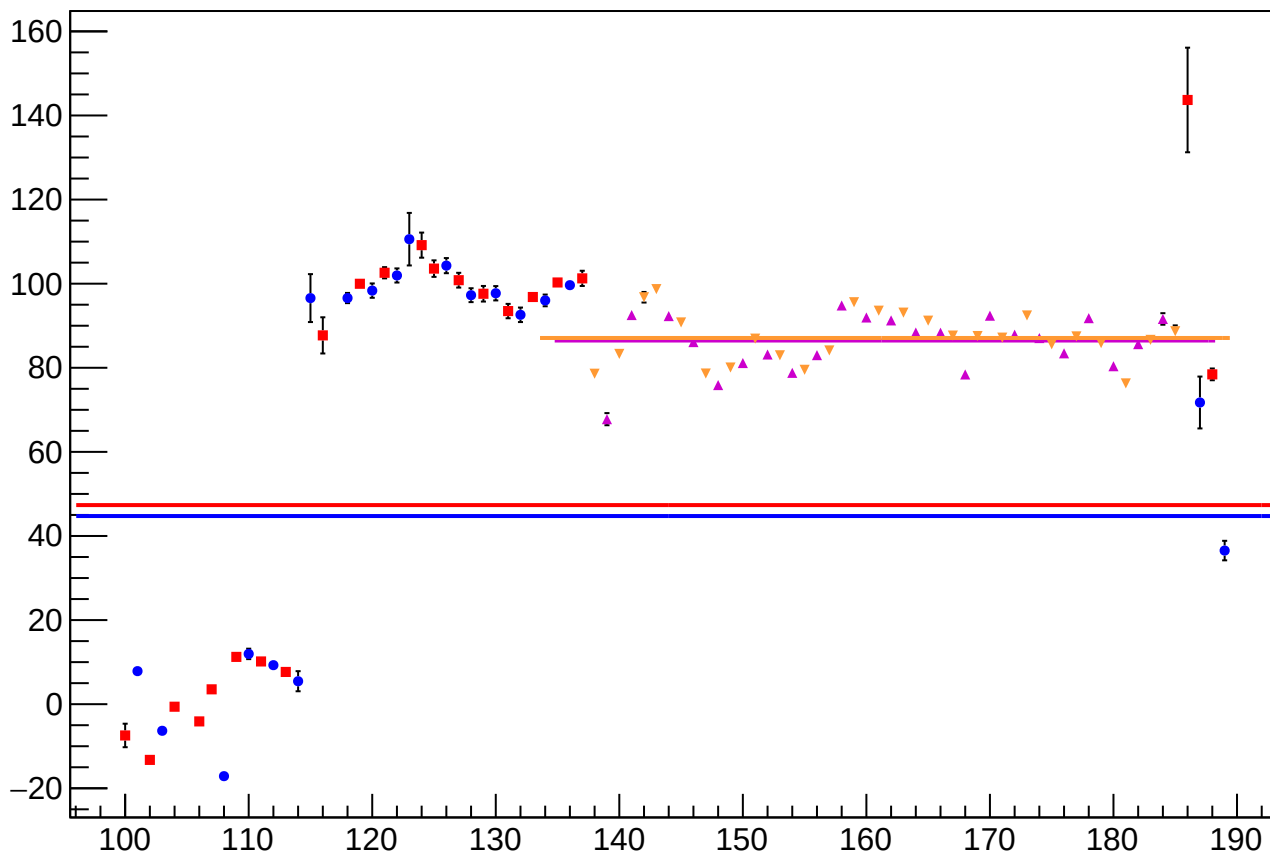
Right: 2.697 ± 0.260 χ^2/NDF : 517.8/39

In: 11.555 ± 0.184 χ^2/NDF : 2993.2/41

Out: 10.522 ± 0.172 χ^2/NDF : 3895.6/45

All: 11.002 ± 0.126 χ^2/NDF : 6905.6/87

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 86.794 $\pm$ 0.129 χ^2 /NDF: 2094.5/47

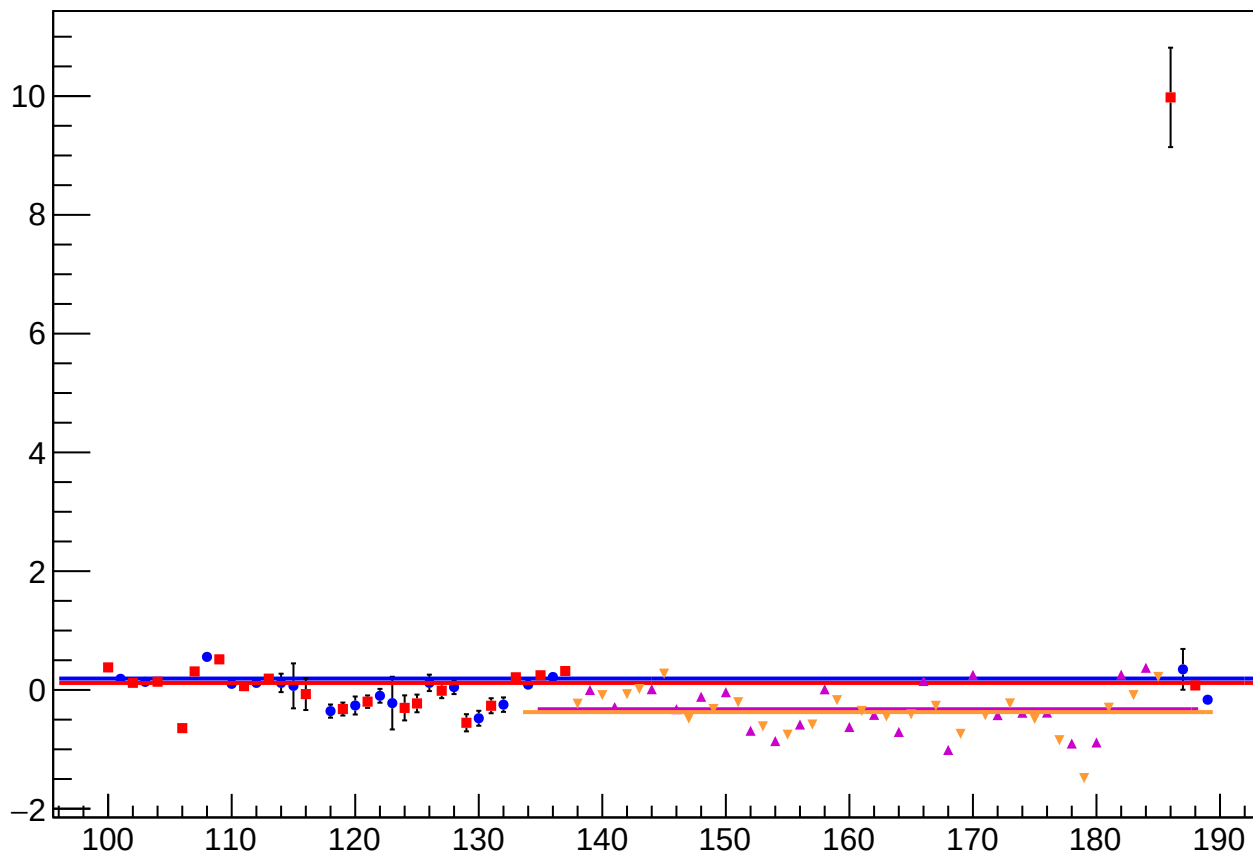
Right: 46.125 $\pm$ 0.207 χ^2 /NDF: 53564.7/39

In: 75.130 $\pm$ 0.158 χ^2 /NDF:39638.1/41

Out: 75.759 $\pm$ 0.151 χ^2 /NDF:43917.6/45

All: 75.457 $\pm$ 0.109 χ^2 /NDF: 83564.0/87

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -0.349 ± 0.006 χ^2/NDF : 3970.2/47

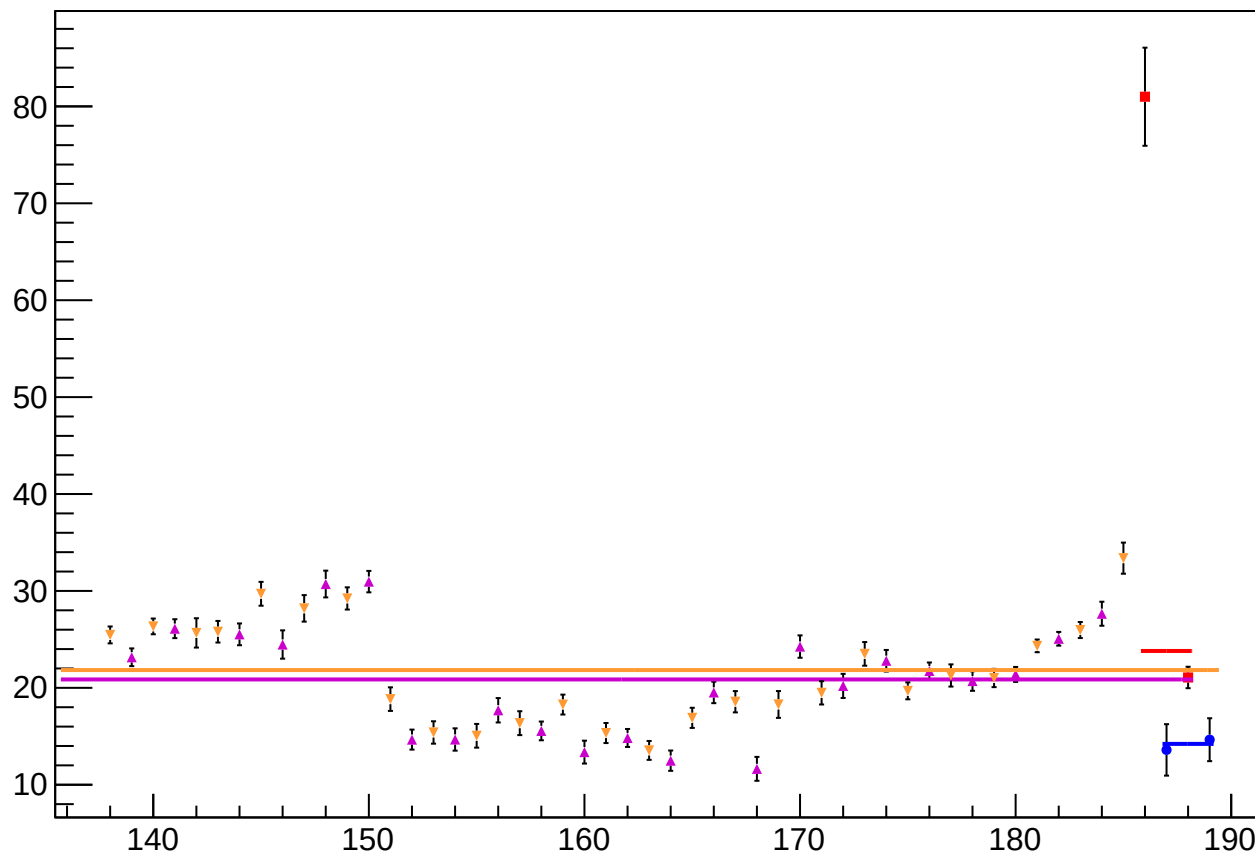
Right: 0.152 ± 0.009 χ^2/NDF : 889.6/39

In: -0.191 ± 0.007 χ^2/NDF : 3551.4/41

Out: -0.231 ± 0.007 χ^2/NDF : 3362.9/45

All: -0.212 ± 0.005 χ^2/NDF : 6931.4/87

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 21.366+/-0.151 χ^2/NDF : 1111.6/47

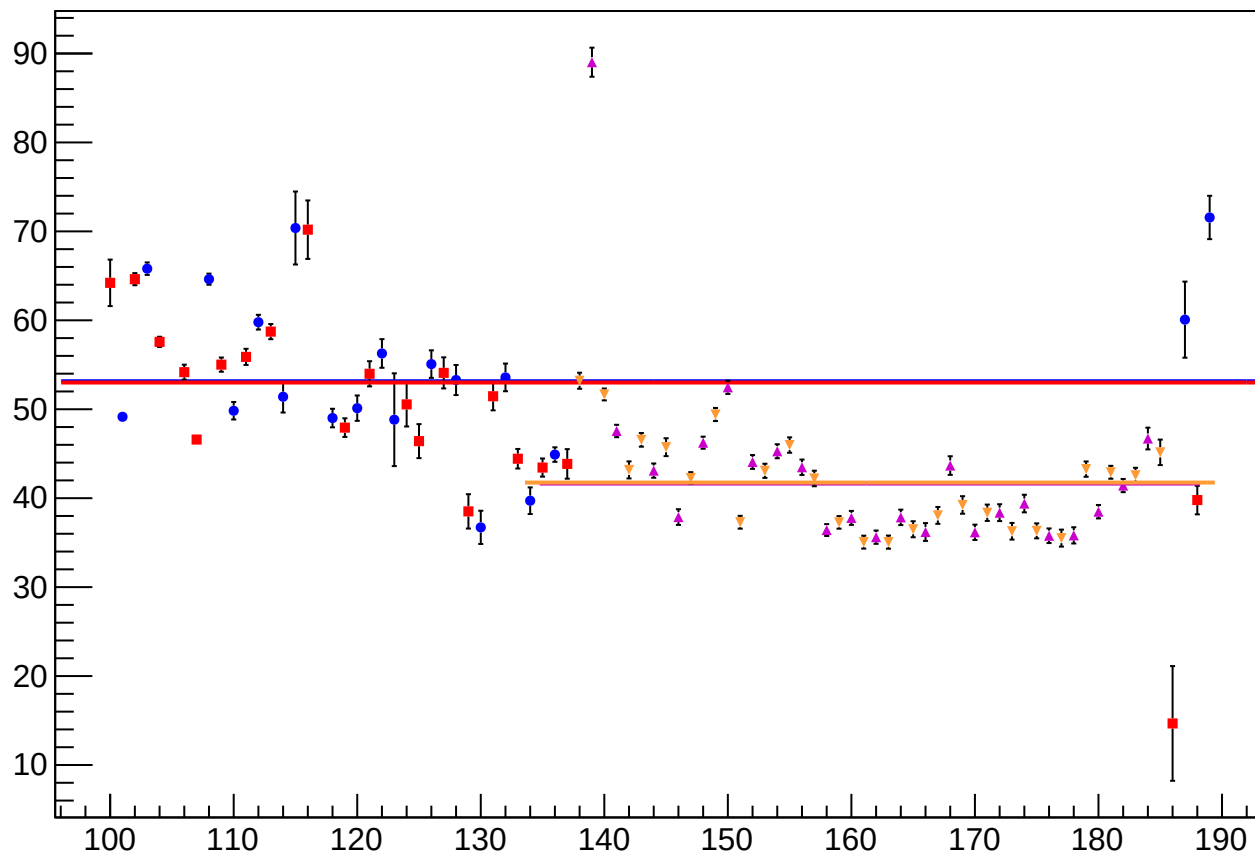
Right: 21.043+/-0.913 χ^2/NDF : 156.5/3

In: 20.759+/-0.215 χ^2/NDF : 592.0/24

Out: 21.908+/-0.206 χ^2/NDF : 661.3/26

All: 21.358+/-0.149 χ^2/NDF : 1268.2/51

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 41.703 $\pm$ 0.120 χ^2 /NDF: 2626.9/47

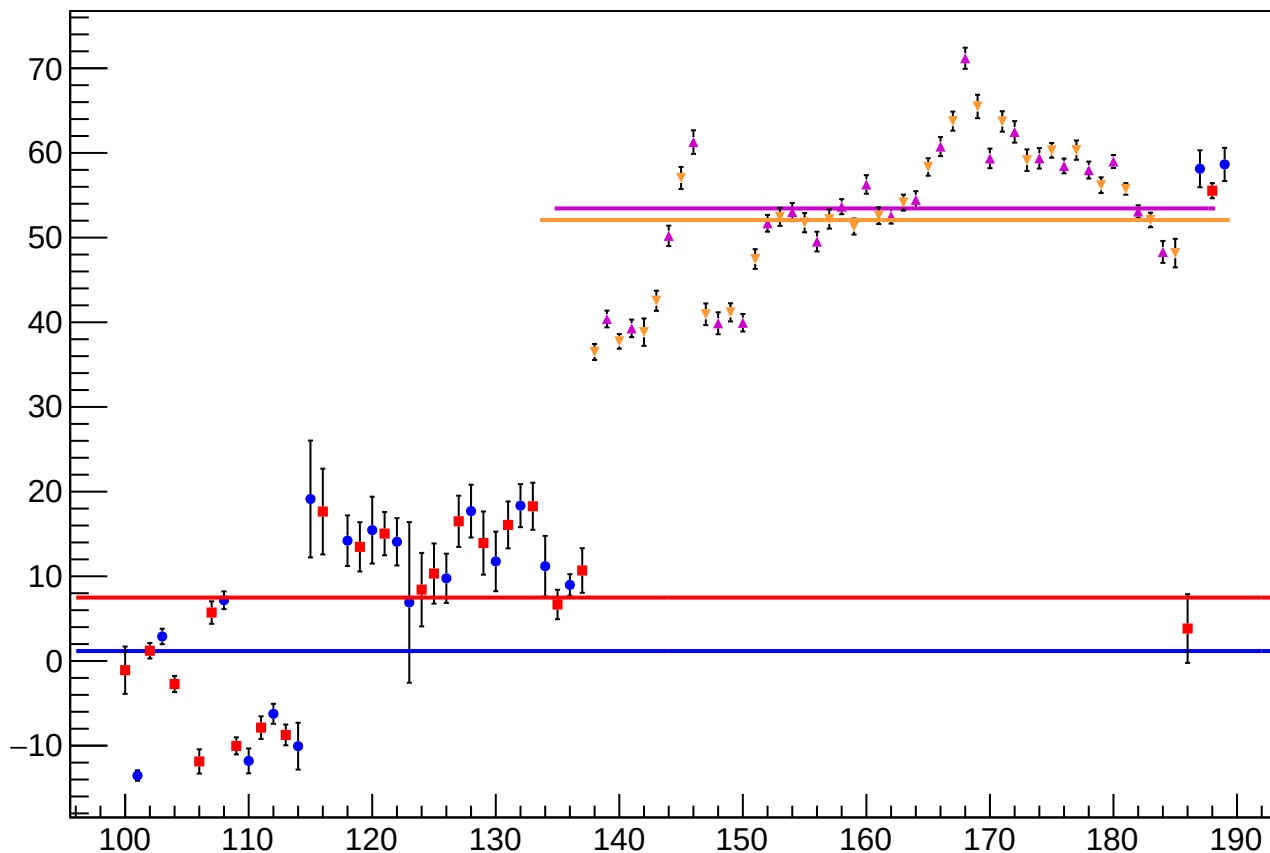
Right: 53.082 $\pm$ 0.153 χ^2 /NDF: 2239.8/39

In: 46.319 $\pm$ 0.134 χ^2 /NDF:4650.9/41

Out: 45.714 $\pm$ 0.133 χ^2 /NDF:3624.9/45

All: 46.015 $\pm$ 0.094 χ^2 /NDF: 8286.0/87

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 52.744 ± 0.150 χ^2/NDF : 2640.6/47

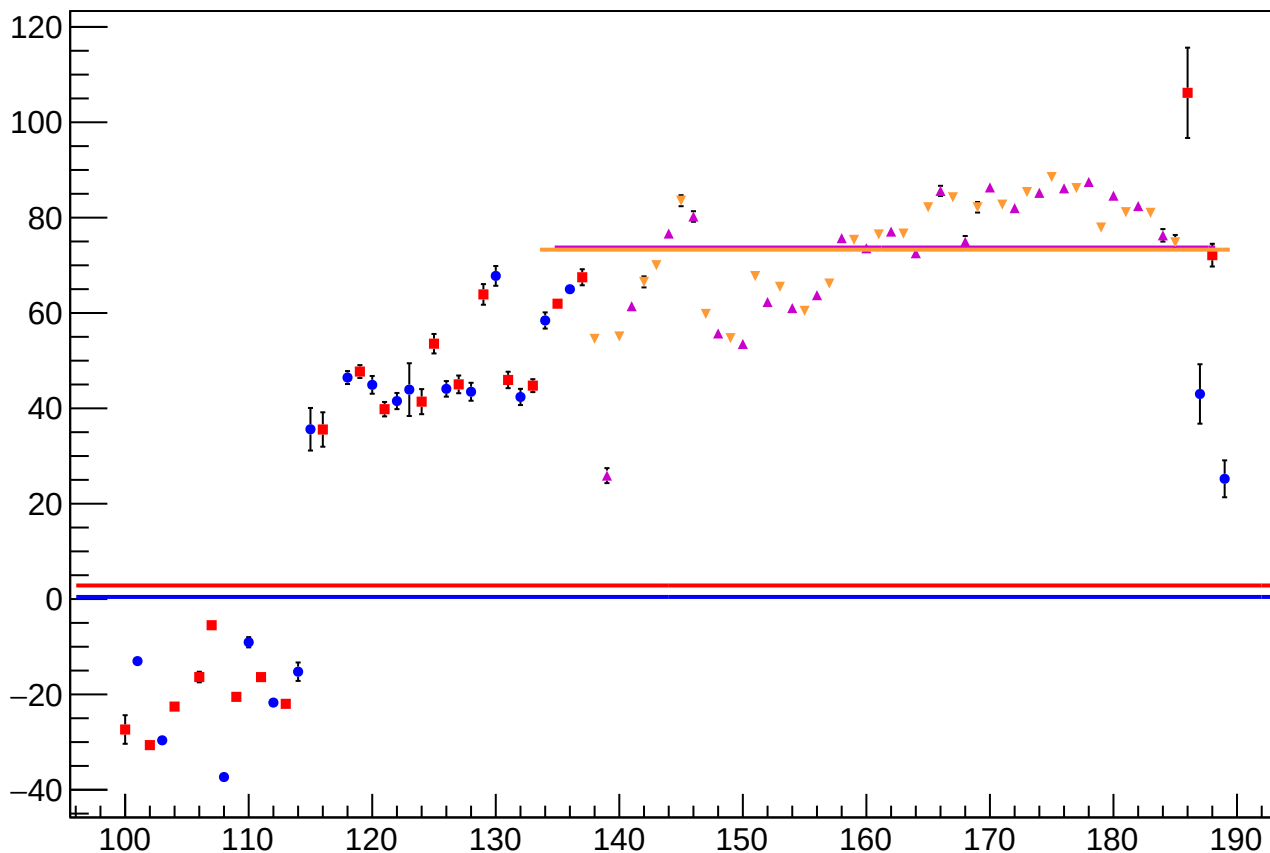
Right: 4.400 ± 0.247 χ^2/NDF : 6548.1/39

In: 39.313 ± 0.184 χ^2/NDF : 19569.9/41

Out: 40.084 ± 0.180 χ^2/NDF : 17490.7/45

All: 39.707 ± 0.128 χ^2/NDF : 37069.6/87

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.444 $\pm$ 0.247 χ^2 /NDF: 18308.1/18

Left Out: 73.284 $\pm$ 0.187 χ^2 /NDF:3144.2/24

Right Out: 2.848 $\pm$ 0.265 χ^2 /NDF: 16390.2/20

Left In: 73.730 $\pm$ 0.194 χ^2 /NDF:3775.8/22

Left: 73.498 $\pm$ 0.135 χ^2 /NDF: 6922.7/47

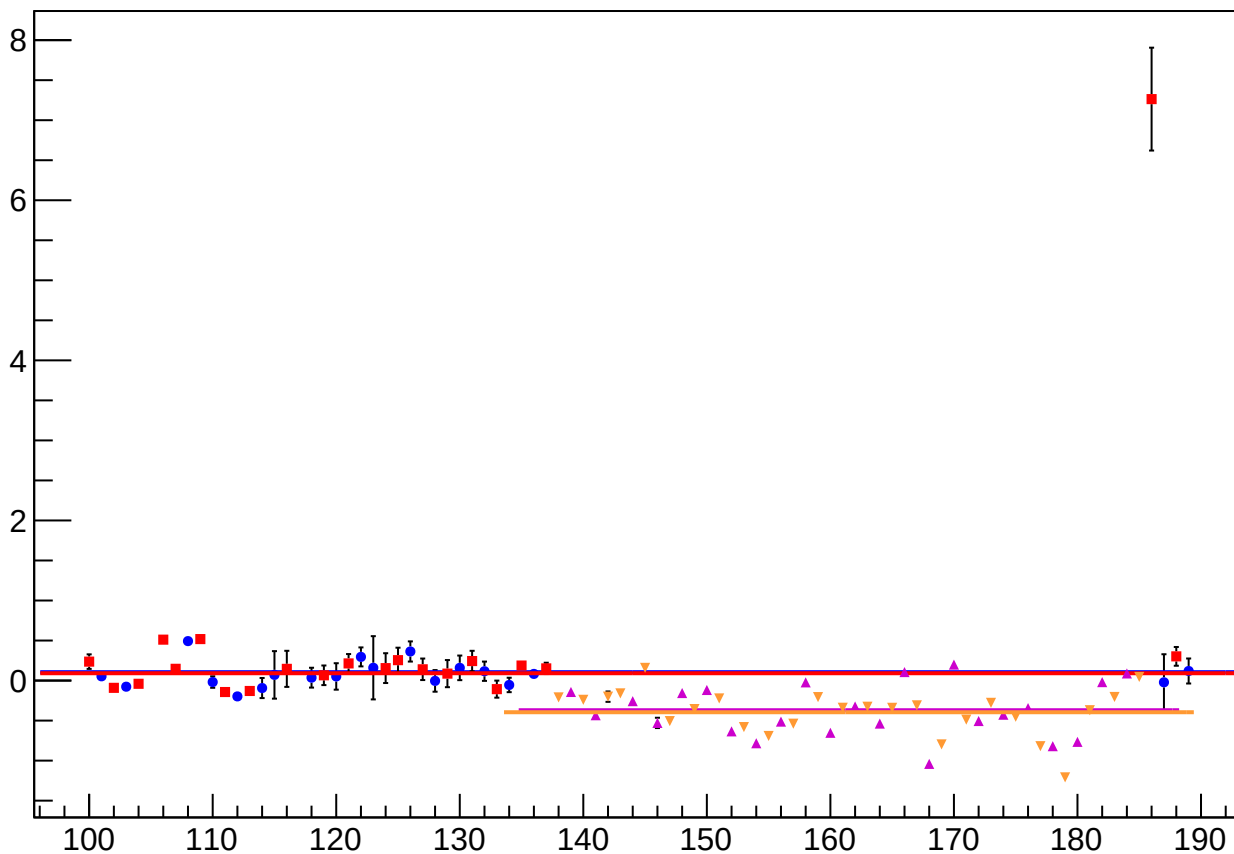
Right: 1.561 $\pm$ 0.181 χ^2 /NDF: 34742.4/39

In: 45.702 $\pm$ 0.153 χ^2 /NDF:76473.9/41

Out: 49.897 $\pm$ 0.153 χ^2 /NDF:66718.6/45

All: 47.800 $\pm$ 0.108 χ^2 /NDF: 143569.8/87

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 401.0/18$

Left Out: -0.396 ± 0.009 $\chi^2/\text{NDF}: 950.0/24$

Right Out: 0.092 ± 0.011 $\chi^2/\text{NDF}: 518.7/20$

Left In: -0.371 ± 0.009 $\chi^2/\text{NDF}: 1313.7/22$

Left: -0.383 ± 0.006 $\chi^2/\text{NDF}: 2268.0/47$

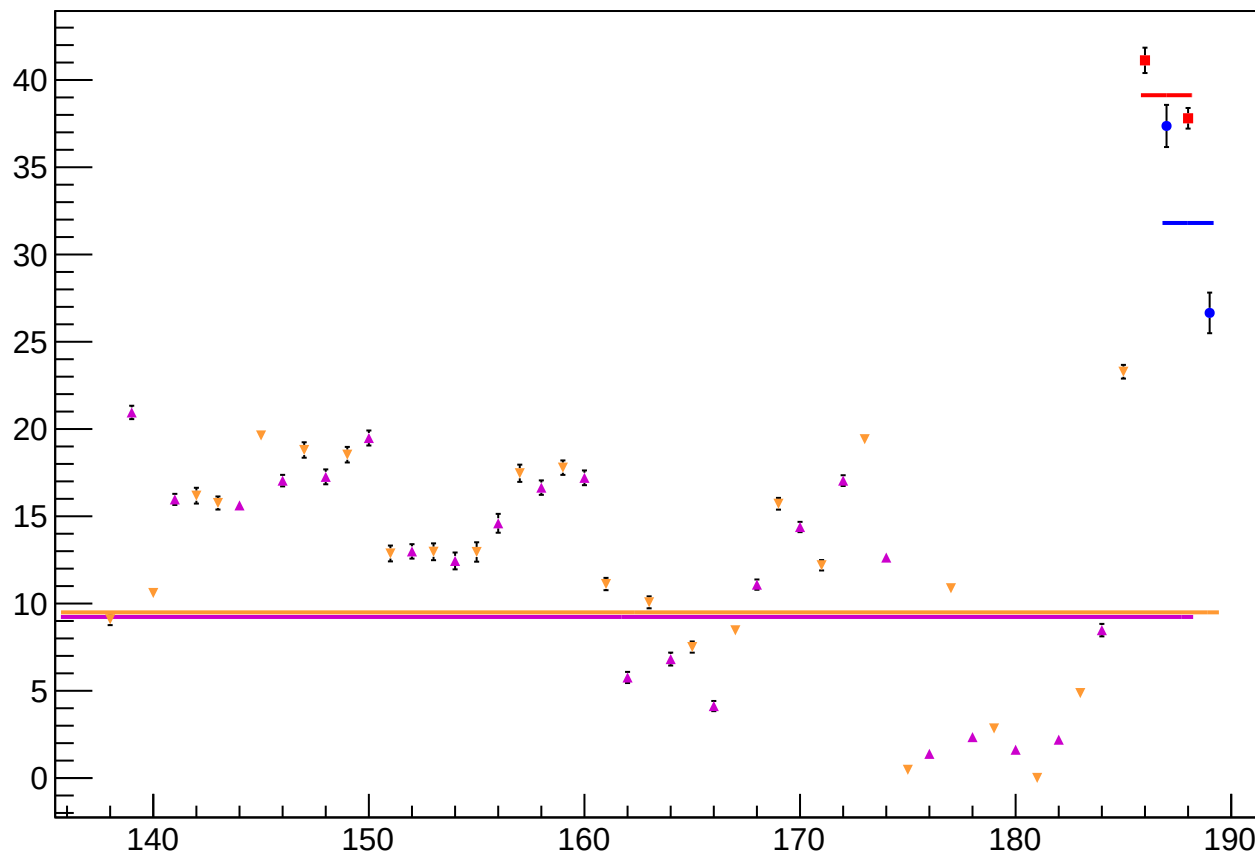
Right: 0.098 ± 0.008 $\chi^2/\text{NDF}: 920.3/39$

In: -0.188 ± 0.007 $\chi^2/\text{NDF}: 2861.7/41$

Out: -0.212 ± 0.007 $\chi^2/\text{NDF}: 2697.3/45$

All: -0.200 ± 0.005 $\chi^2/\text{NDF}: 5565.1/87$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 9.367 $\pm$ 0.044 χ^2 /NDF: 23354.3/47

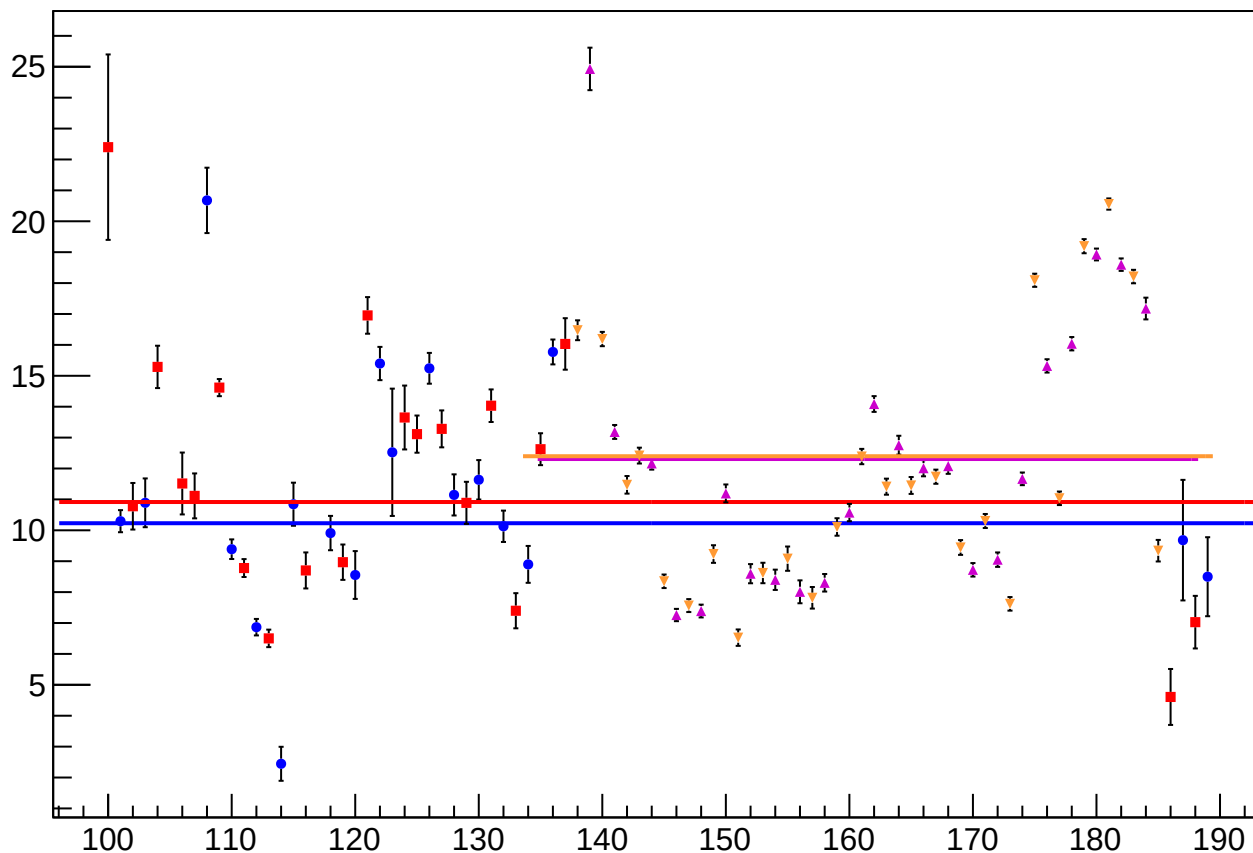
Right: 37.441 $\pm$ 0.402 χ^2 /NDF: 112.1/3

In: 9.358 $\pm$ 0.063 χ^2 /NDF:11498.8/24

Out: 10.014 $\pm$ 0.061 χ^2 /NDF:16725.6/26

All: 9.697 $\pm$ 0.044 χ^2 /NDF: 28280.8/51

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.229 $\pm$ 0.119 χ^2 /NDF: 868.0/18

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 10.915 $\pm$ 0.115 χ^2 /NDF: 888.4/20

Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

Left: 12.353 $\pm$ 0.036 χ^2 /NDF: 13146.3/47

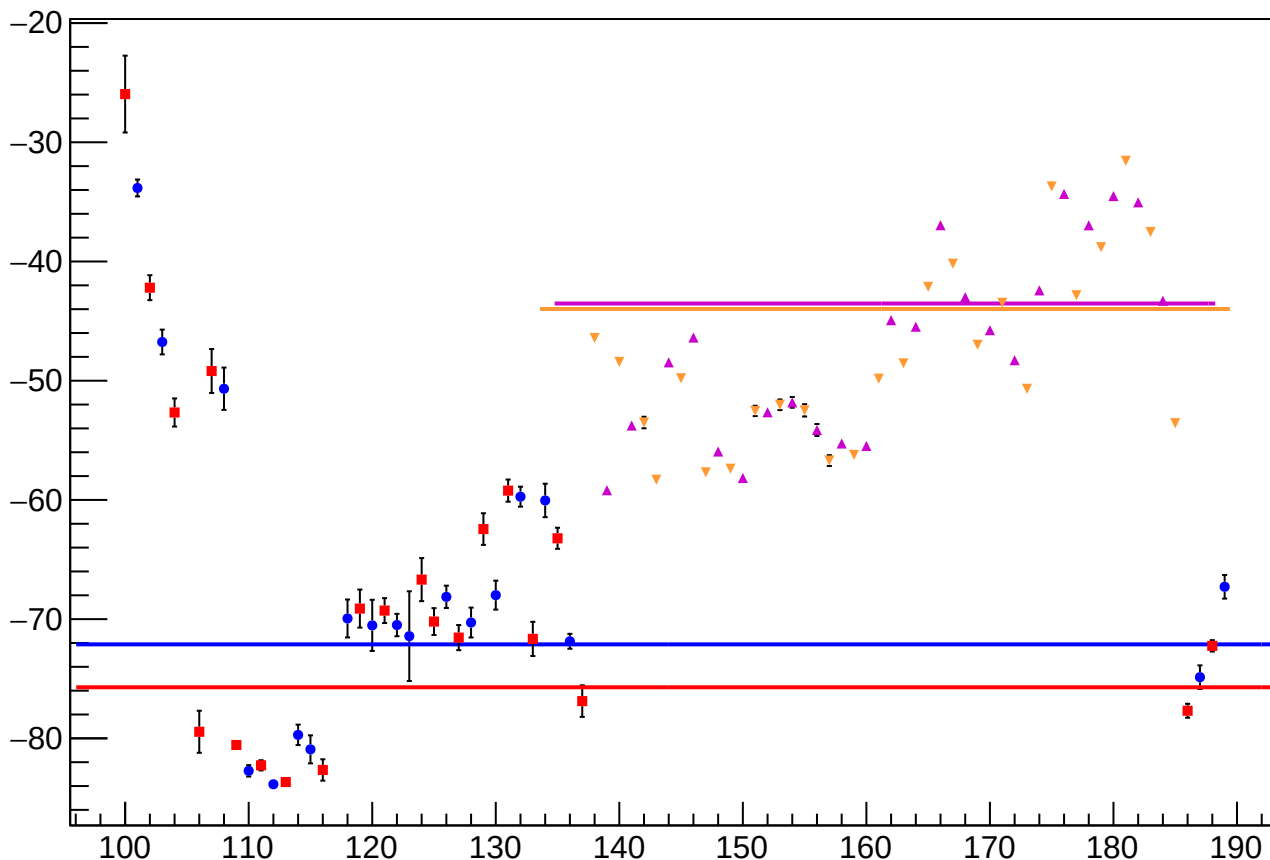
Right: 10.585 $\pm$ 0.082 χ^2 /NDF: 1773.7/39

In: 11.982 $\pm$ 0.047 χ^2 /NDF: 6727.4/41

Out: 12.162 $\pm$ 0.046 χ^2 /NDF: 8572.1/45

All: 12.075 $\pm$ 0.033 χ^2 /NDF: 15307.1/87

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 15267.1/22$

Left: -43.757 ± 0.044 $\chi^2/\text{NDF}: 33030.8/47$

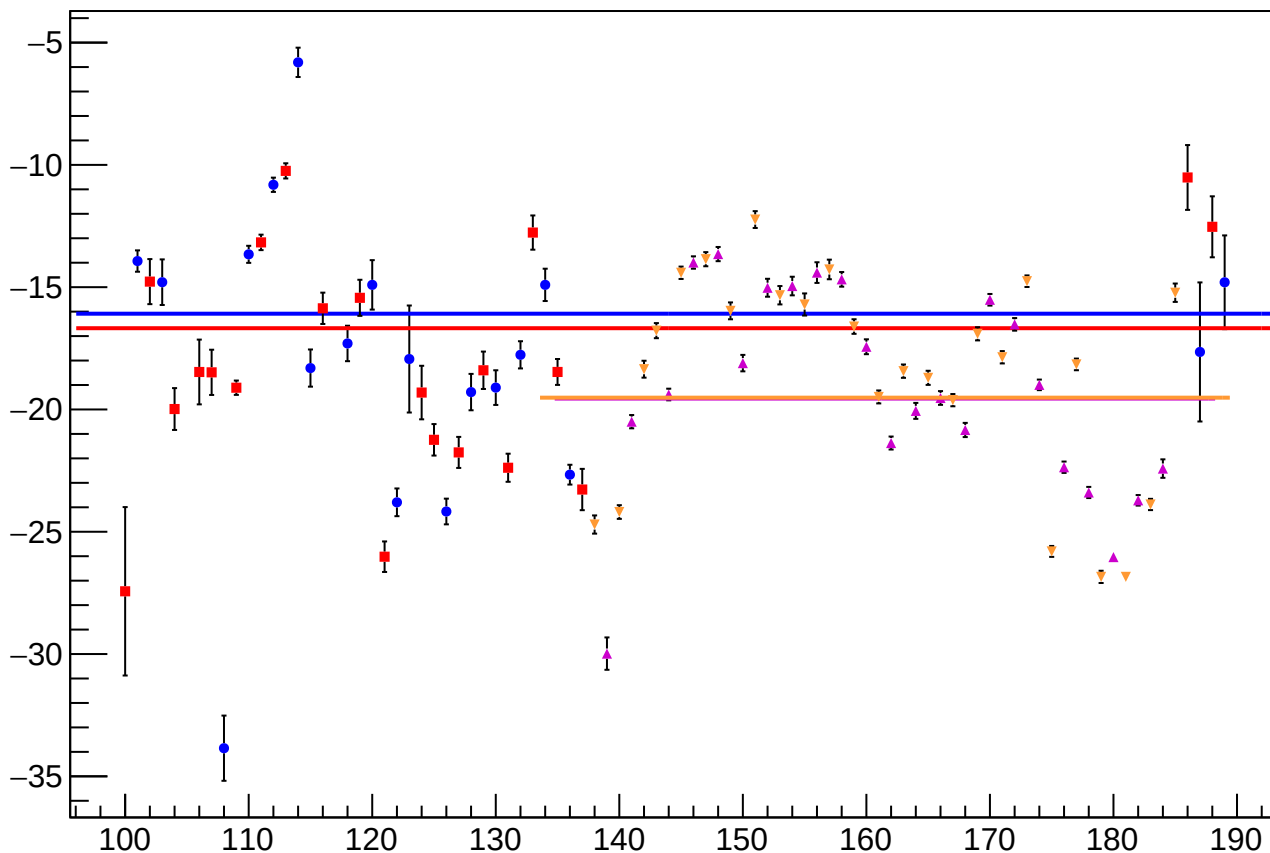
Right: -74.202 ± 0.124 $\chi^2/\text{NDF}: 9326.6/39$

In: -46.356 ± 0.060 $\chi^2/\text{NDF}: 41065.5/41$

Out: -47.999 ± 0.058 $\chi^2/\text{NDF}: 54495.7/45$

All: -47.209 ± 0.042 $\chi^2/\text{NDF}: 95948.7/87$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 4311.2/22$

Left: -19.536 ± 0.040 $\chi^2/\text{NDF}: 10829.6/47$

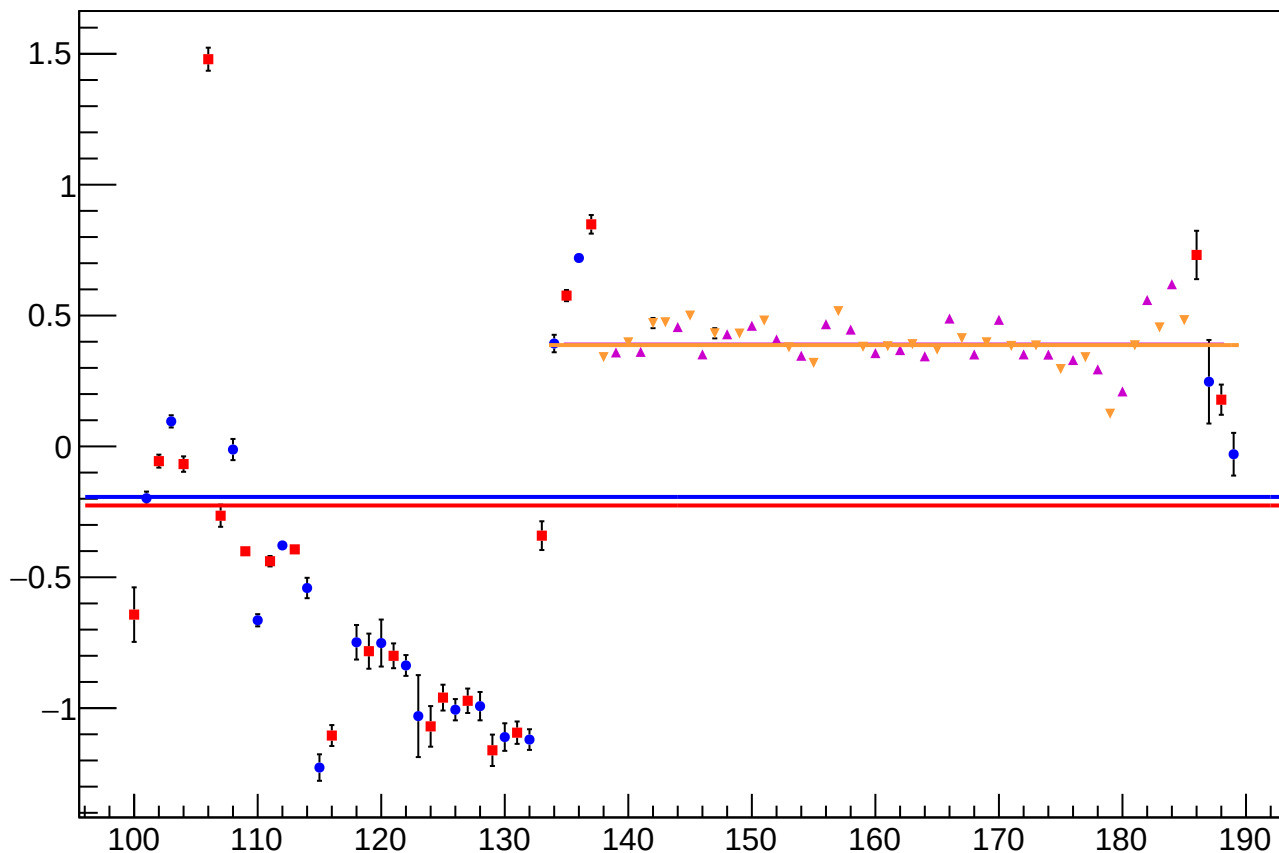
Right: -16.393 ± 0.092 $\chi^2/\text{NDF}: 2876.4/39$

In: -19.007 ± 0.053 $\chi^2/\text{NDF}: 6511.4/41$

Out: -19.059 ± 0.051 $\chi^2/\text{NDF}: 8181.6/45$

All: -19.033 ± 0.037 $\chi^2/\text{NDF}: 14693.5/87$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.388+/-0.002 χ^2/NDF : 2252.2/47

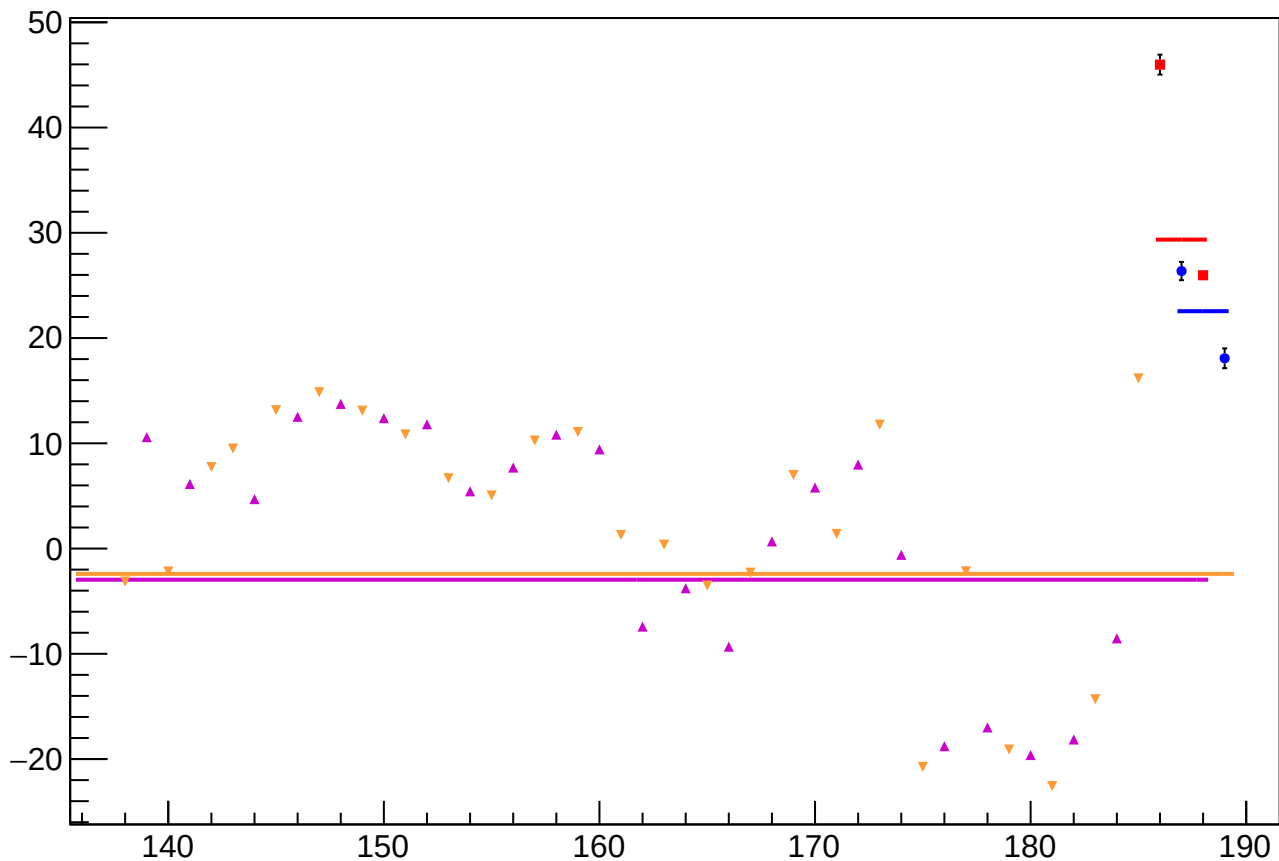
Right: -0.210+/-0.005 χ^2/NDF : 12673.9/39

In: 0.326+/-0.002 χ^2/NDF :12934.7/41

Out: 0.317+/-0.002 χ^2/NDF :13910.2/45

All: 0.321+/-0.002 χ^2/NDF : 26852.2/87

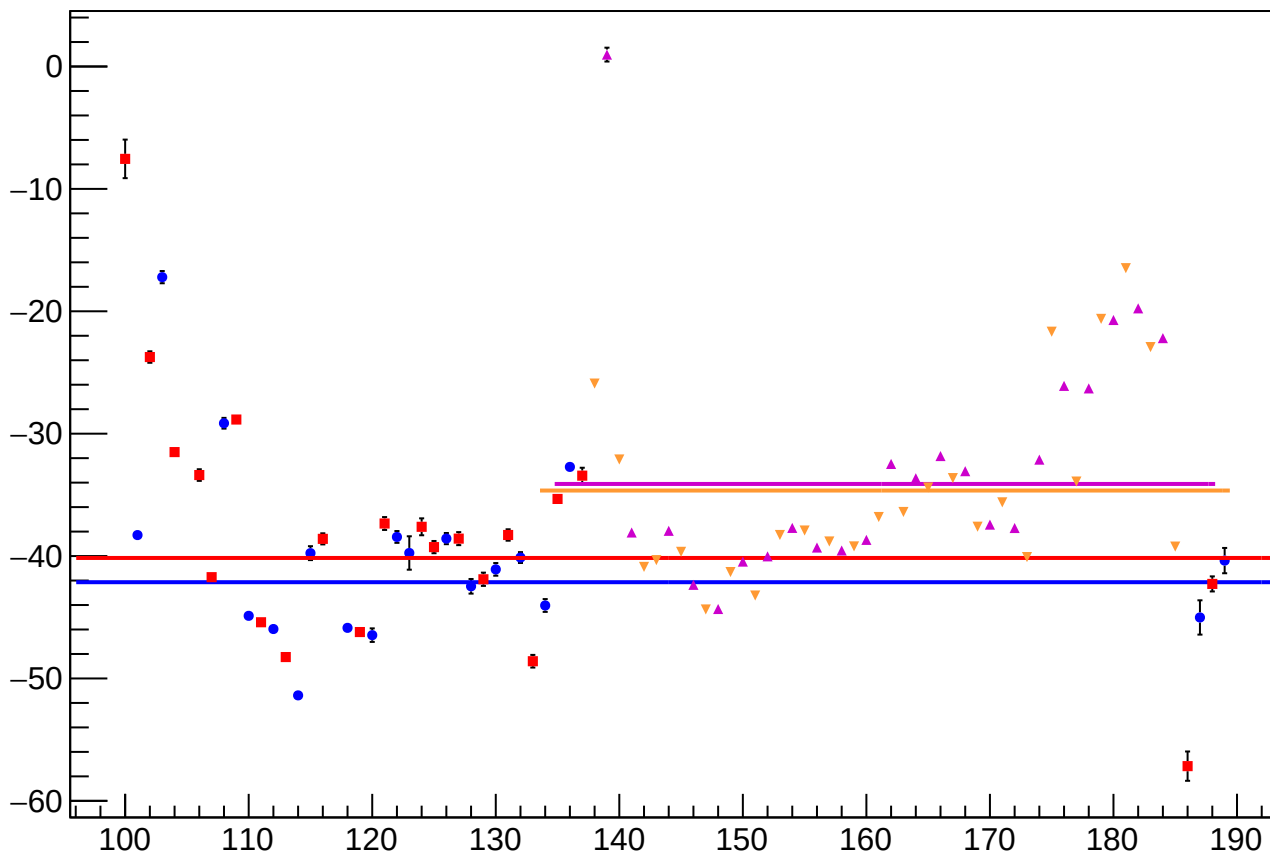
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -2.672 $\pm$ 0.038 χ^2 /NDF: 102343.8/47
 Right: 27.502 $\pm$ 0.333 χ^2 /NDF: 495.3/3
 In: -2.772 $\pm$ 0.055 χ^2 /NDF: 47553.1/24
 Out: -1.835 $\pm$ 0.052 χ^2 /NDF: 63257.0/26
 All: -2.283 $\pm$ 0.038 χ^2 /NDF: 110963.4/51

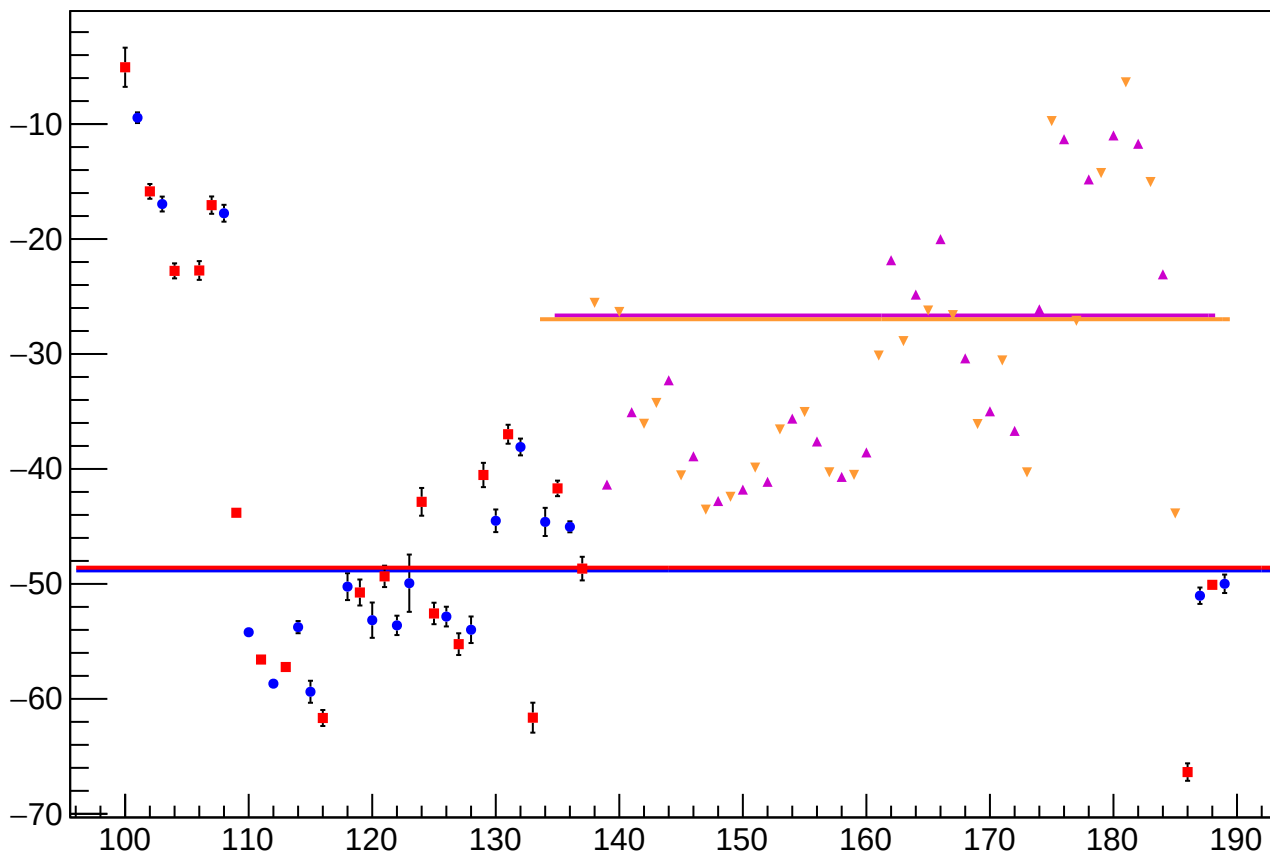
reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.135 $\pm$ 0.078 χ^2/NDF : 6560.3/18
 Left Out: -34.646 $\pm$ 0.042 χ^2/NDF : 34674.7/24
 Right Out: -40.154 $\pm$ 0.072 χ^2/NDF : 11535.6/20
 Left In: -34.108 $\pm$ 0.044 χ^2/NDF : 29052.8/22

Left: -34.390 $\pm$ 0.030 χ^2/NDF : 63806.0/47
 Right: -41.070 $\pm$ 0.053 χ^2/NDF : 18444.2/39
 In: -36.050 $\pm$ 0.038 χ^2/NDF : 43677.2/41
 Out: -36.028 $\pm$ 0.036 χ^2/NDF : 50573.2/45
 All: -36.038 $\pm$ 0.026 χ^2/NDF : 94250.6/87

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 42106.8/22$

Left: -26.821 ± 0.038 $\chi^2/\text{NDF}: 91485.8/47$

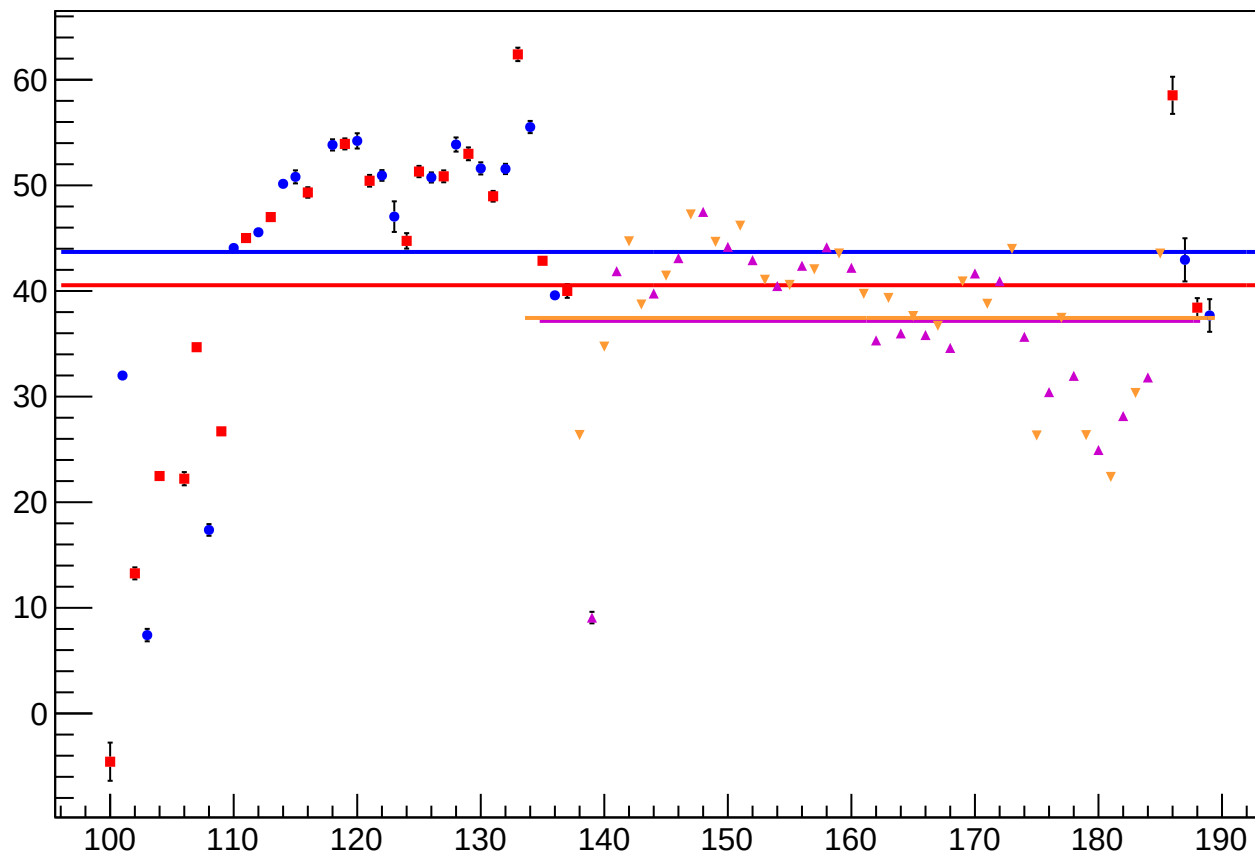
Right: -48.685 ± 0.078 $\chi^2/\text{NDF}: 26995.4/39$

In: -30.415 ± 0.050 $\chi^2/\text{NDF}: 84409.0/41$

Out: -31.630 ± 0.047 $\chi^2/\text{NDF}: 97221.9/45$

All: -31.059 ± 0.034 $\chi^2/\text{NDF}: 181943.6/87$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 37.314 $\pm$ 0.034 χ^2 /NDF: 38824.1/47

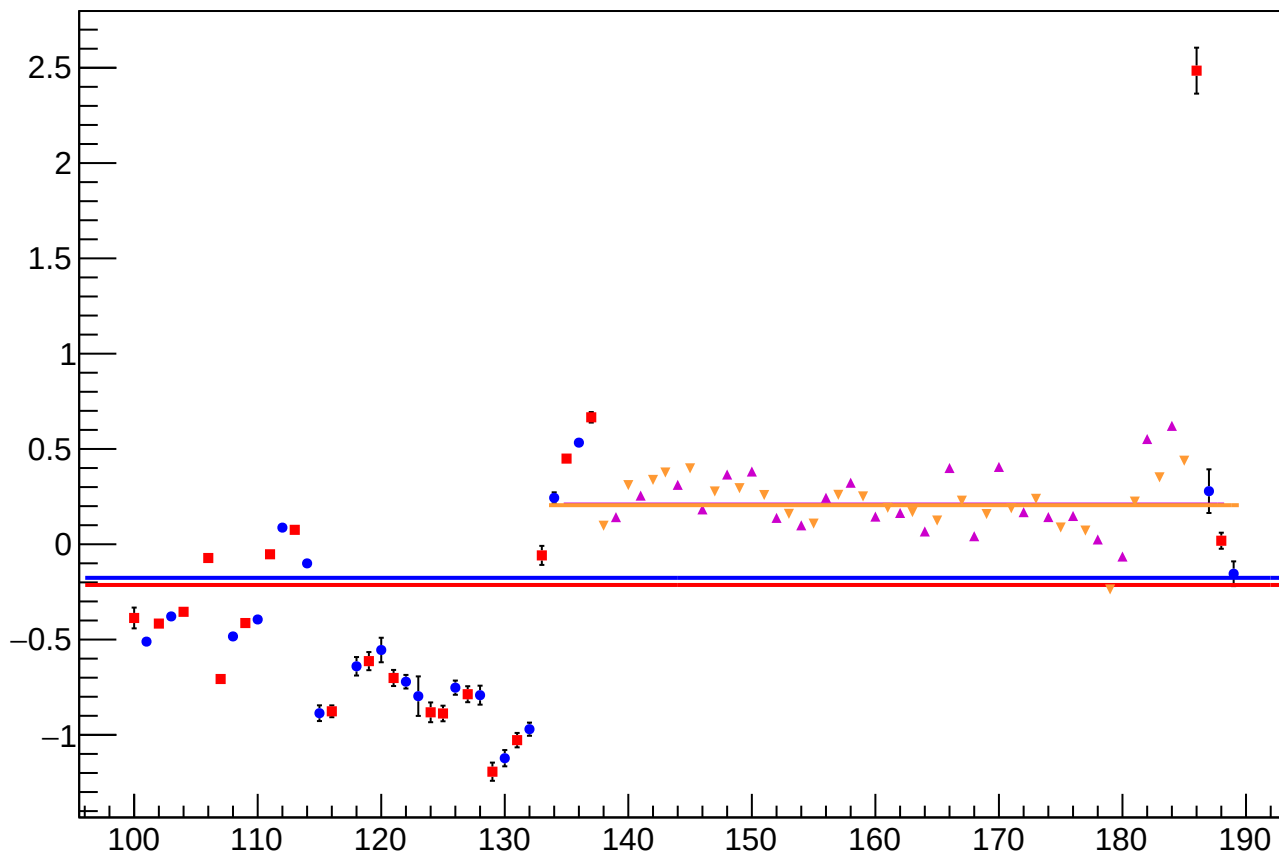
Right: 41.989 $\pm$ 0.059 χ^2 /NDF: 28981.8/39

In: 38.759 $\pm$ 0.043 χ^2 /NDF:32091.5/41

Out: 38.248 $\pm$ 0.041 χ^2 /NDF:40376.1/45

All: 38.490 $\pm$ 0.029 χ^2 /NDF: 72542.6/87

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.207 ± 0.002 χ^2/NDF : 8922.0/47

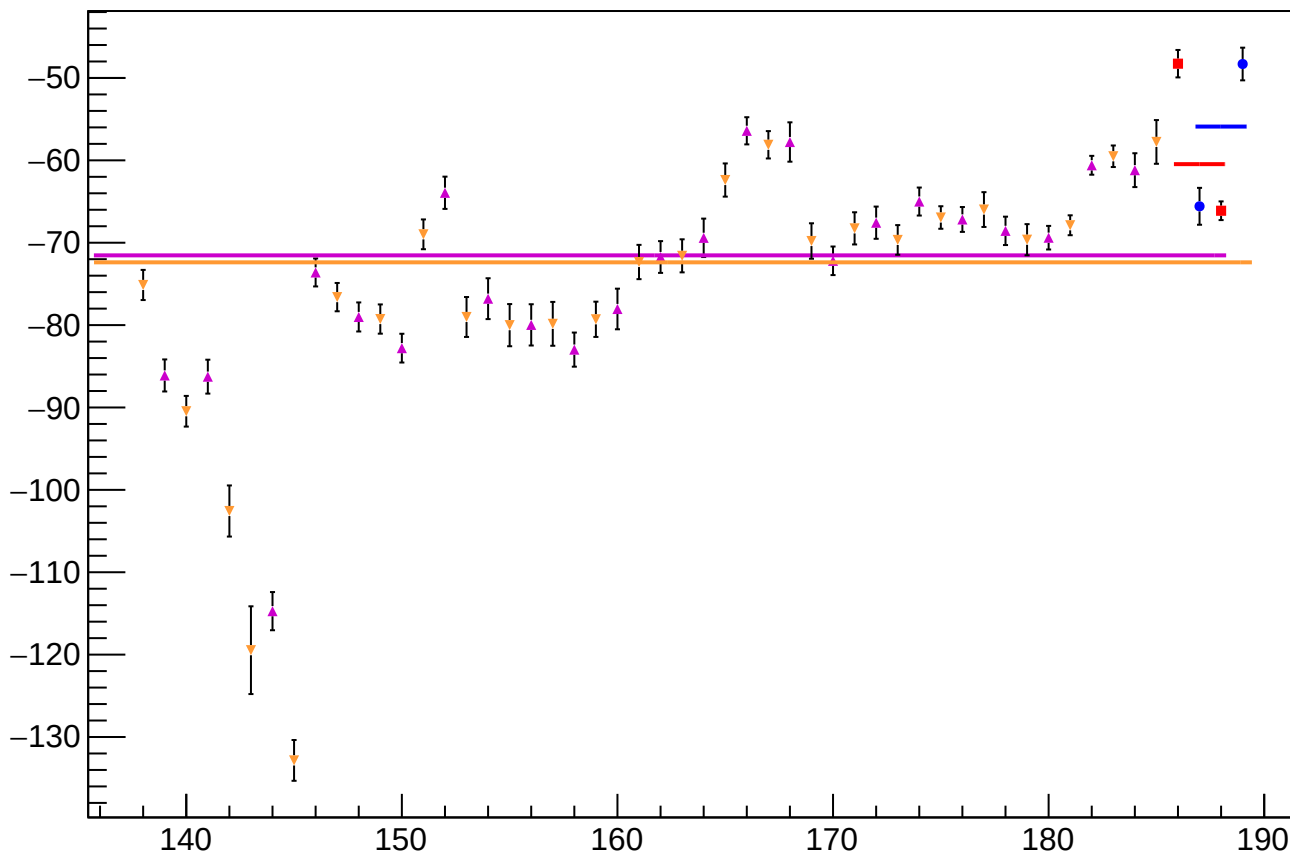
Right: -0.197 ± 0.003 χ^2/NDF : 15353.3/39

In: 0.140 ± 0.002 χ^2/NDF : 17679.1/41

Out: 0.119 ± 0.002 χ^2/NDF : 19381.4/45

All: 0.129 ± 0.001 χ^2/NDF : 37115.8/87

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected

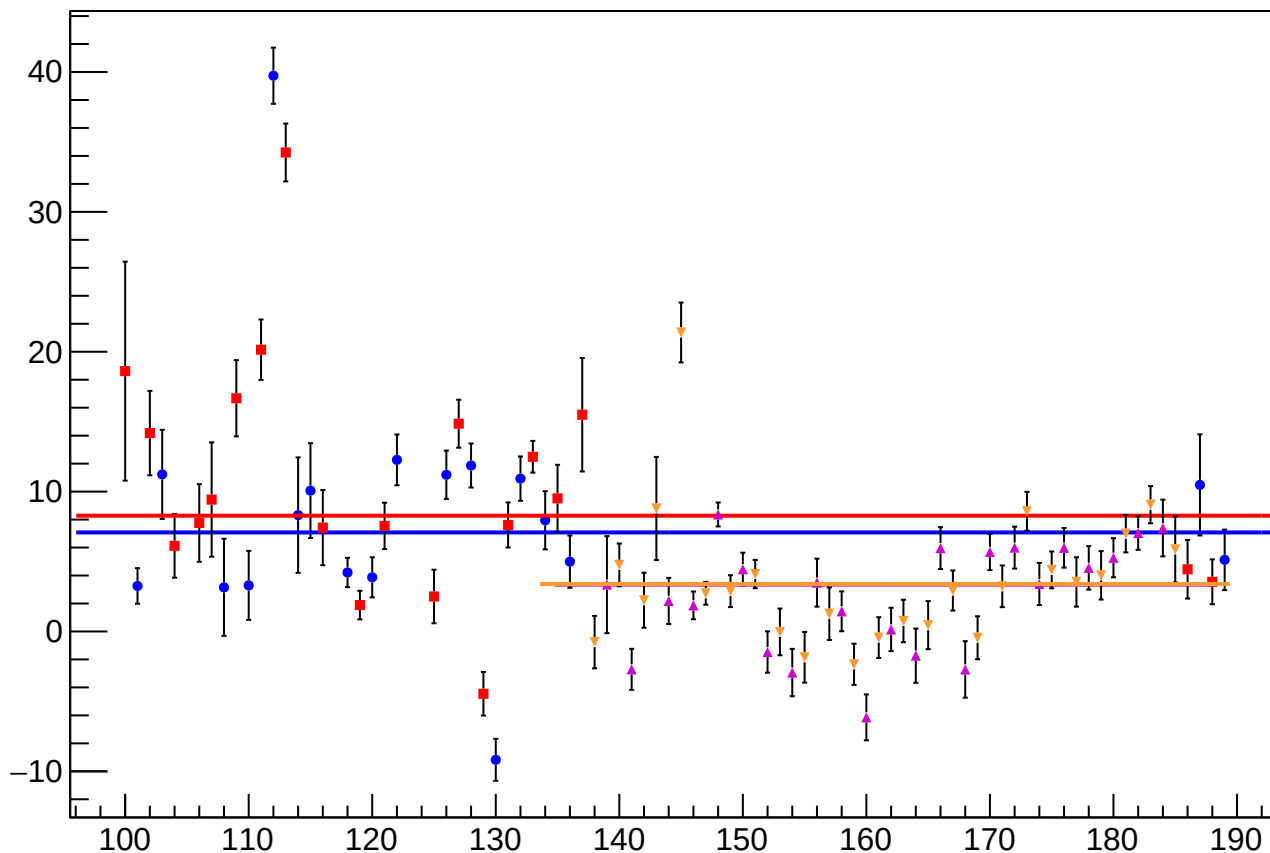


Right In: -55.899 $\pm$ 1.485 χ^2 /NDF: 33.3/1
 Left Out: -72.381 $\pm$ 0.382 χ^2 /NDF:1199.9/24
 Right Out: -60.461 $\pm$ 0.938 χ^2 /NDF: 78.4/1
 Left In: -71.534 $\pm$ 0.382 χ^2 /NDF:851.4/22

Left: -71.957 $\pm$ 0.270 χ^2 /NDF: 2053.7/47
 Right: -59.160 $\pm$ 0.793 χ^2 /NDF: 118.5/3
 In: -70.565 $\pm$ 0.370 χ^2 /NDF:988.8/24
 Out: -70.686 $\pm$ 0.354 χ^2 /NDF:1416.9/26

All: -70.628 $\pm$ 0.256 χ^2 /NDF: 2405.7/51

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.081 ± 0.428 $\chi^2/\text{NDF}: 442.1/17$

Left Out: 3.392 ± 0.294 $\chi^2/\text{NDF}: 169.9/24$

Right Out: 8.278 ± 0.423 $\chi^2/\text{NDF}: 363.2/19$

Left In: 3.349 ± 0.298 $\chi^2/\text{NDF}: 163.5/22$

Left: 3.371 ± 0.209 $\chi^2/\text{NDF}: 333.4/47$

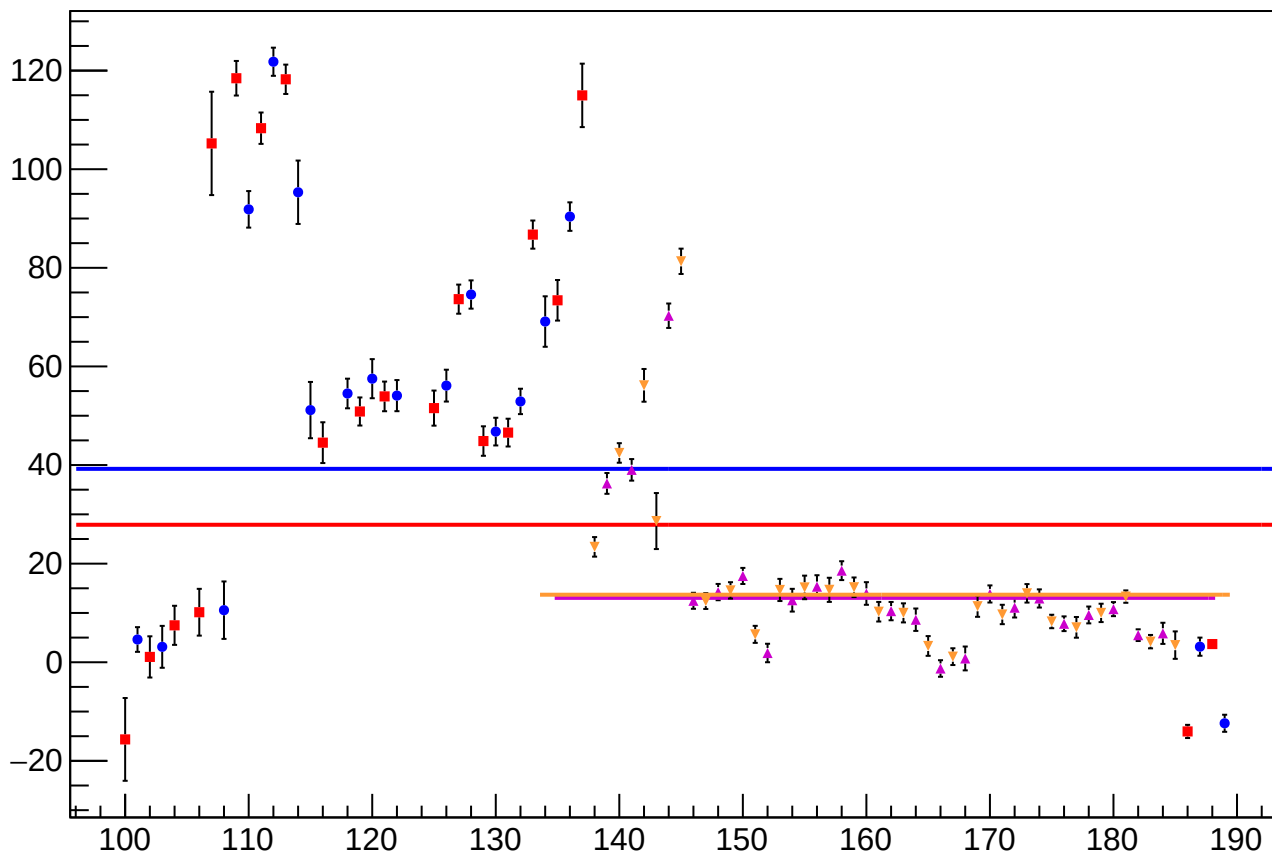
Right: 7.687 ± 0.301 $\chi^2/\text{NDF}: 809.3/37$

In: 4.567 ± 0.245 $\chi^2/\text{NDF}: 656.8/40$

Out: 4.982 ± 0.241 $\chi^2/\text{NDF}: 623.0/44$

All: 4.777 ± 0.172 $\chi^2/\text{NDF}: 1281.3/85$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 13.378+/-0.269 χ^2/NDF : 2333.1/47

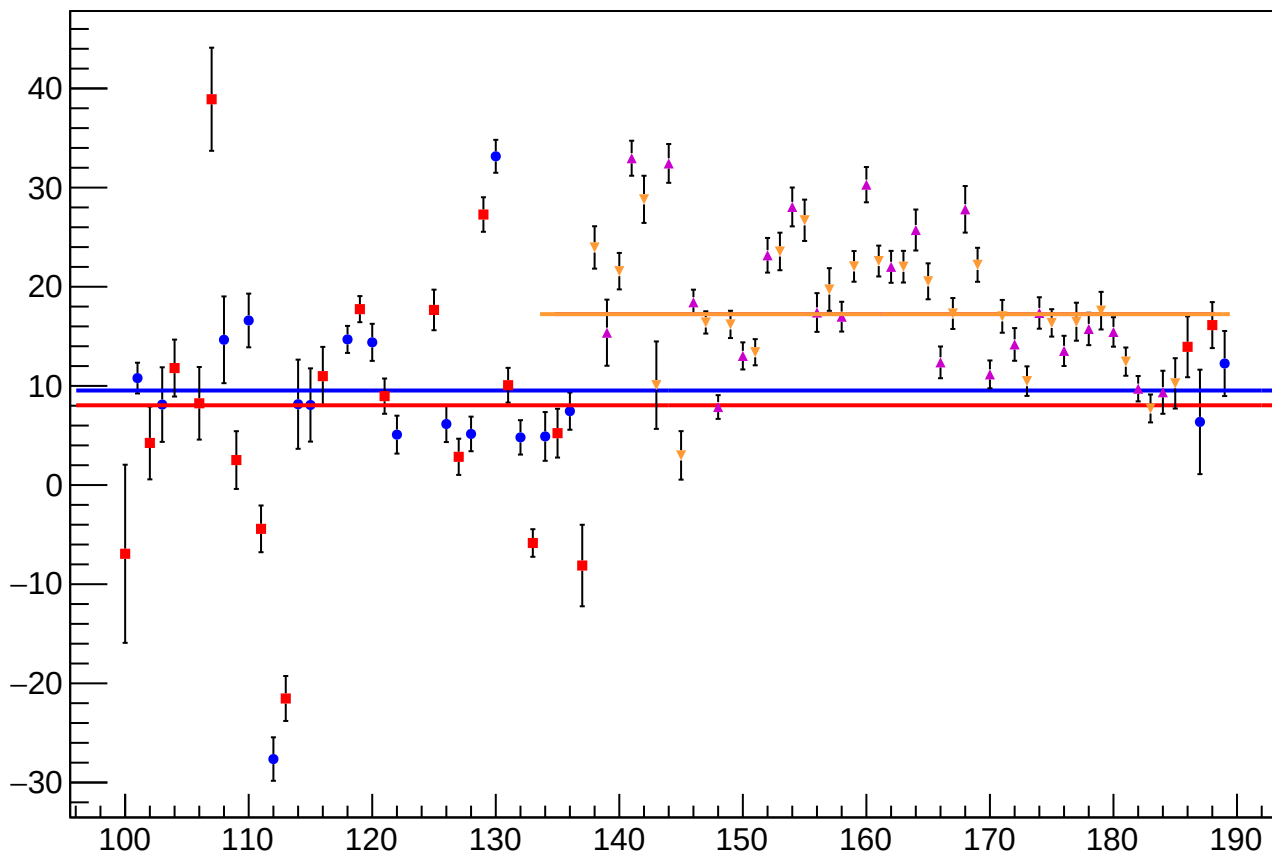
Right: 32.355+/-0.438 χ^2/NDF : 8782.8/37

In: 19.031+/-0.334 χ^2/NDF :5419.3/40

Out: 18.153+/-0.316 χ^2/NDF :7054.7/44

All: 18.567+/-0.229 χ^2/NDF : 12477.6/85

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.535 ± 0.499 $\chi^2/\text{NDF}: 548.3/17$

Left Out: 17.238 ± 0.336 $\chi^2/\text{NDF}: 246.5/24$

Right Out: 8.044 ± 0.497 $\chi^2/\text{NDF}: 584.0/19$

Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

Left: 17.241 ± 0.239 $\chi^2/\text{NDF}: 687.3/47$

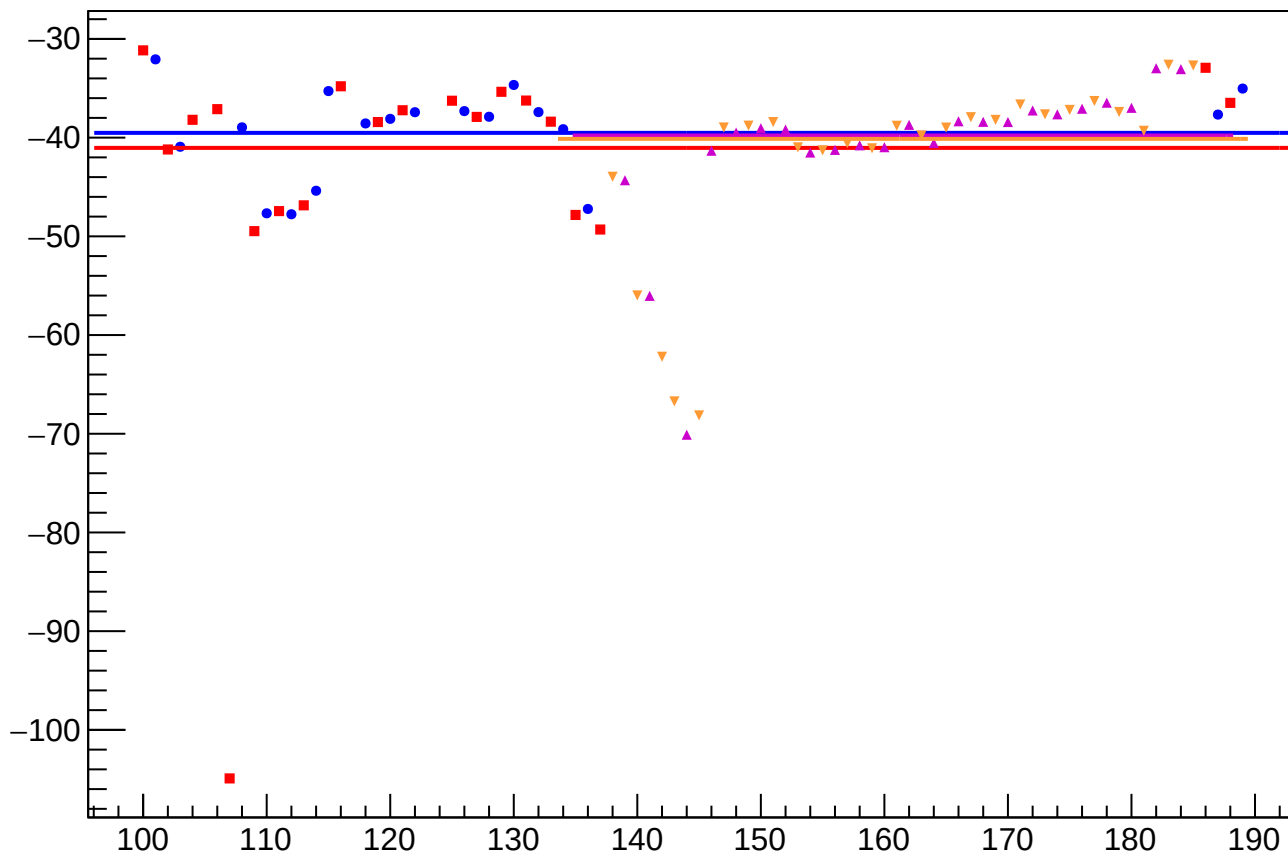
Right: 8.786 ± 0.352 $\chi^2/\text{NDF}: 1136.7/37$

In: 14.809 ± 0.281 $\chi^2/\text{NDF}: 1152.1/40$

Out: 14.352 ± 0.278 $\chi^2/\text{NDF}: 1065.3/44$

All: 14.579 ± 0.198 $\chi^2/\text{NDF}: 2218.7/85$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.517 ± 0.030 $\chi^2/\text{NDF}: 27375.6/17$

Left Out: -40.126 ± 0.016 $\chi^2/\text{NDF}: 185897.0/24$

Right Out: -41.039 ± 0.030 $\chi^2/\text{NDF}: 98226.8/19$

Left In: -39.785 ± 0.016 $\chi^2/\text{NDF}: 144494.5/22$

Left: -39.955 ± 0.011 $\chi^2/\text{NDF}: 330628.3/47$

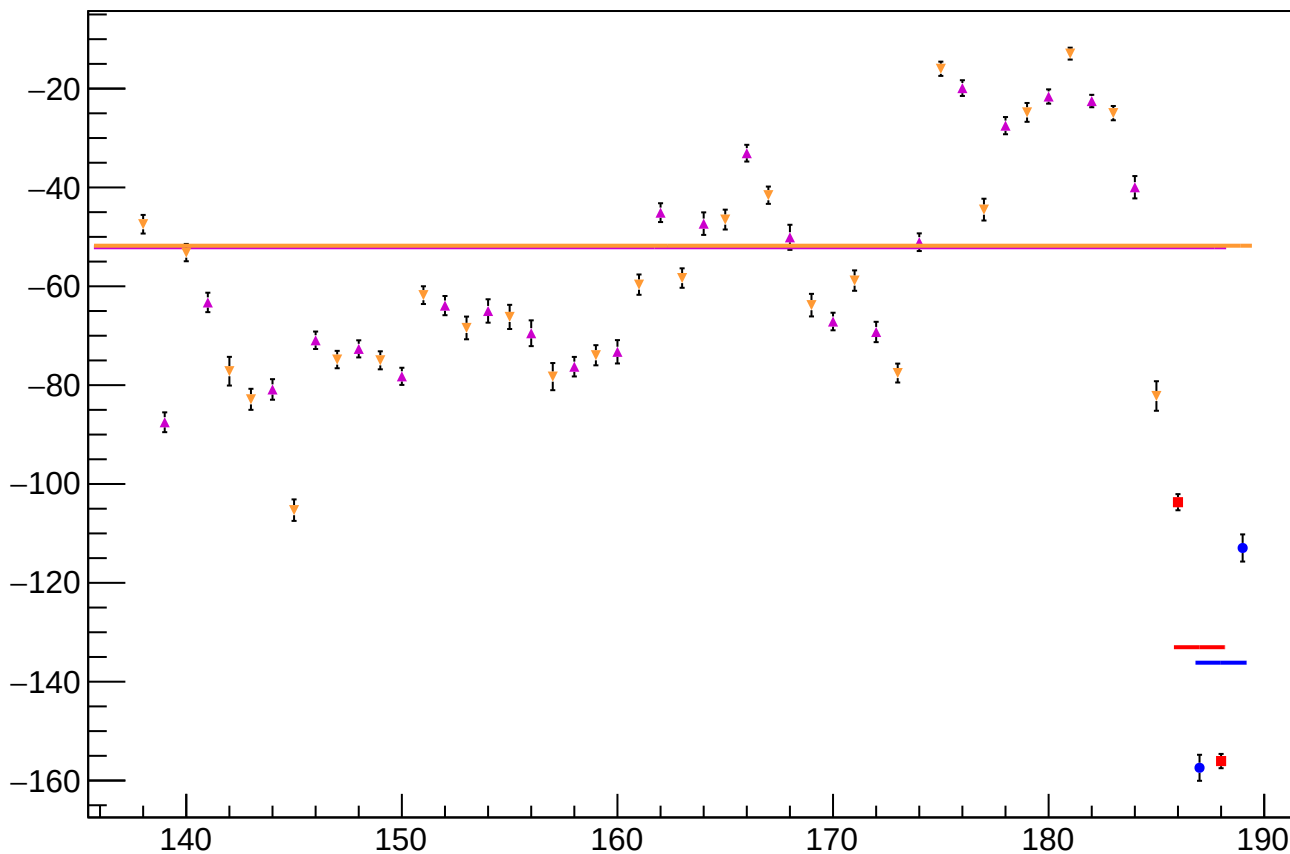
Right: -40.295 ± 0.021 $\chi^2/\text{NDF}: 126895.9/37$

In: -39.728 ± 0.014 $\chi^2/\text{NDF}: 171931.8/40$

Out: -40.327 ± 0.014 $\chi^2/\text{NDF}: 284867.1/44$

All: -40.028 ± 0.010 $\chi^2/\text{NDF}: 457727.7/85$

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected

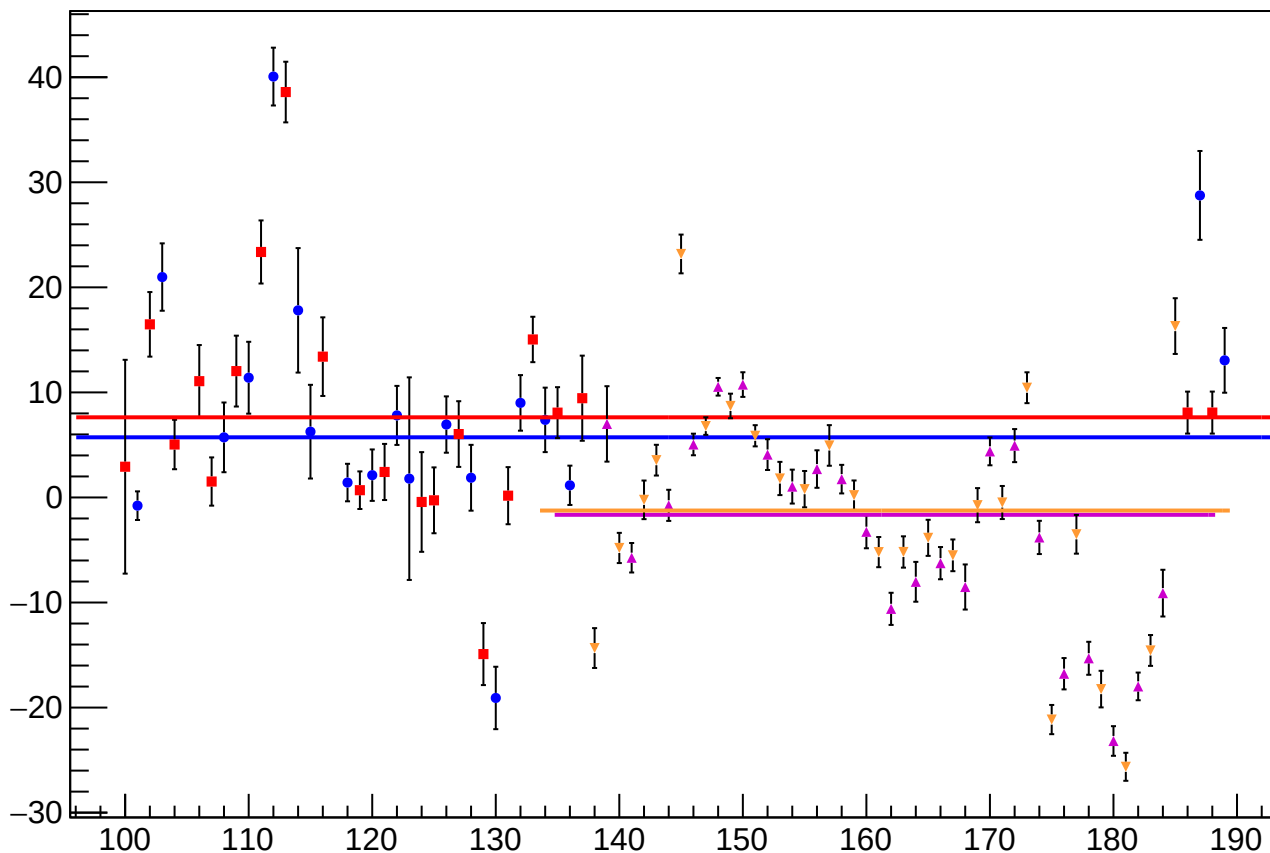


Right In: -136.157+/-1.901 χ^2/NDF : 136.6/1
 Left Out: -51.787+/-0.383 χ^2/NDF : 4164.8/24
 Right Out: -133.024+/-1.082 χ^2/NDF : 577.3/1
 Left In: -52.104+/-0.389 χ^2/NDF : 3280.2/22

Left: -51.943+/-0.273 χ^2/NDF : 7445.3/47
 Right: -133.791+/-0.940 χ^2/NDF : 715.9/3
 In: -55.476+/-0.381 χ^2/NDF : 5293.0/24
 Out: -60.816+/-0.361 χ^2/NDF : 9752.5/26

All: -58.291+/-0.262 χ^2/NDF : 15149.2/51

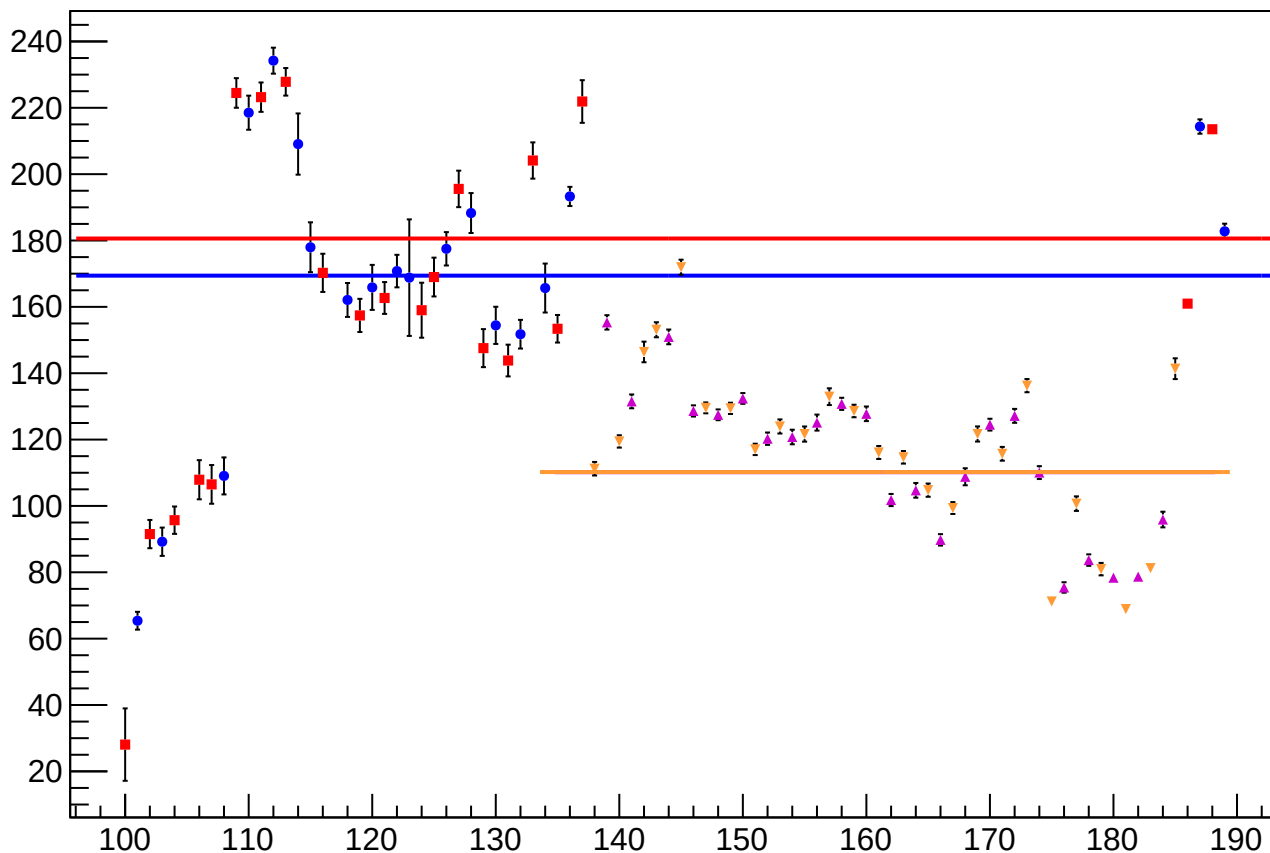
reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.725 ± 0.610 $\chi^2/\text{NDF}: 331.3/18$
 Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$
 Right Out: 7.628 ± 0.592 $\chi^2/\text{NDF}: 270.7/20$
 Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

Left: -1.442 ± 0.209 $\chi^2/\text{NDF}: 2415.8/47$
 Right: 6.705 ± 0.425 $\chi^2/\text{NDF}: 607.0/39$
 In: -0.211 ± 0.269 $\chi^2/\text{NDF}: 1541.4/41$
 Out: 0.491 ± 0.262 $\chi^2/\text{NDF}: 1774.3/45$
 All: 0.150 ± 0.188 $\chi^2/\text{NDF}: 3319.1/87$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 110.192 $\pm$ 0.272 χ^2 /NDF: 8296.2/47

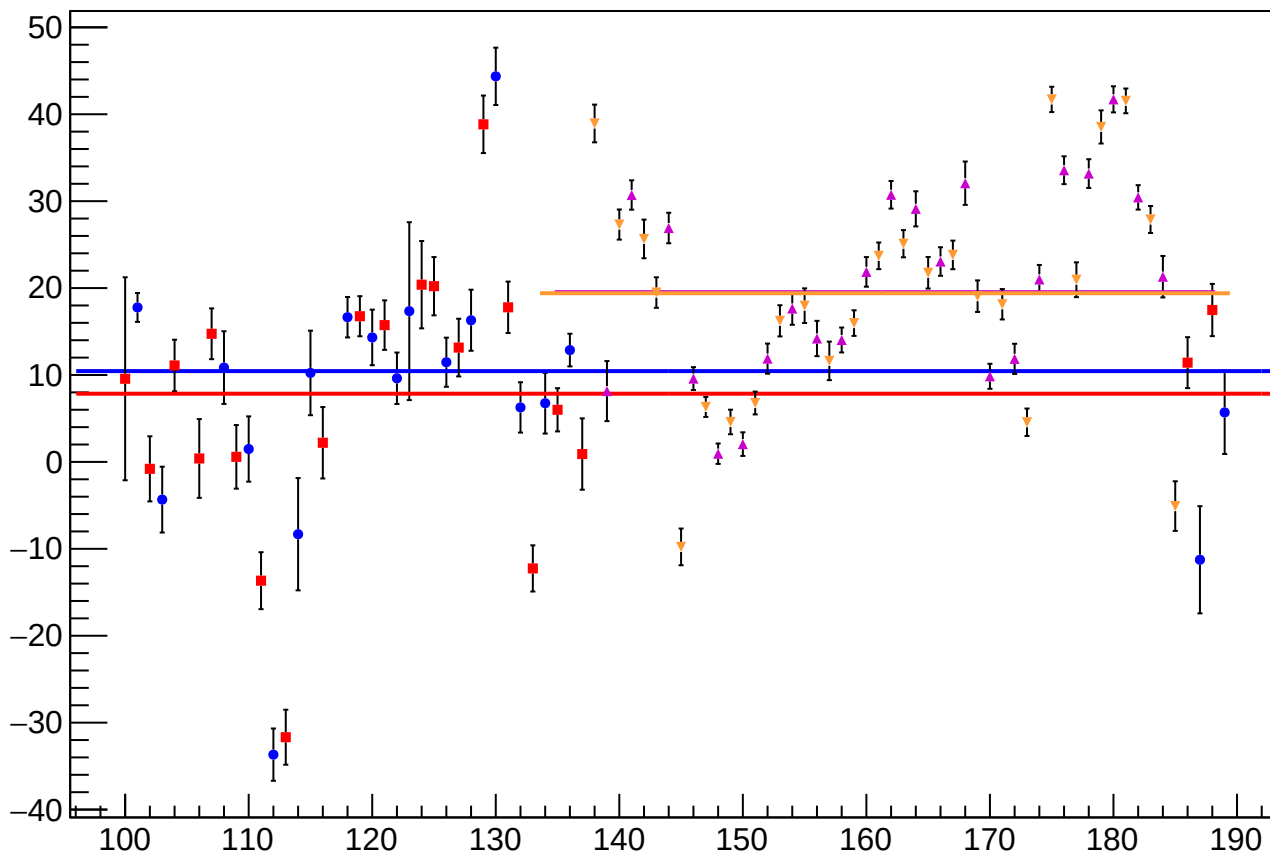
Right: 176.562 $\pm$ 0.558 χ^2 /NDF: 5993.6/39

In: 118.886 $\pm$ 0.356 χ^2 /NDF: 10096.8/41

Out: 126.422 $\pm$ 0.335 χ^2 /NDF: 15382.6/45

All: 122.886 $\pm$ 0.244 χ^2 /NDF: 25716.7/87

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 19.466 $\pm$ 0.239 χ^2 /NDF: 2634.8/47

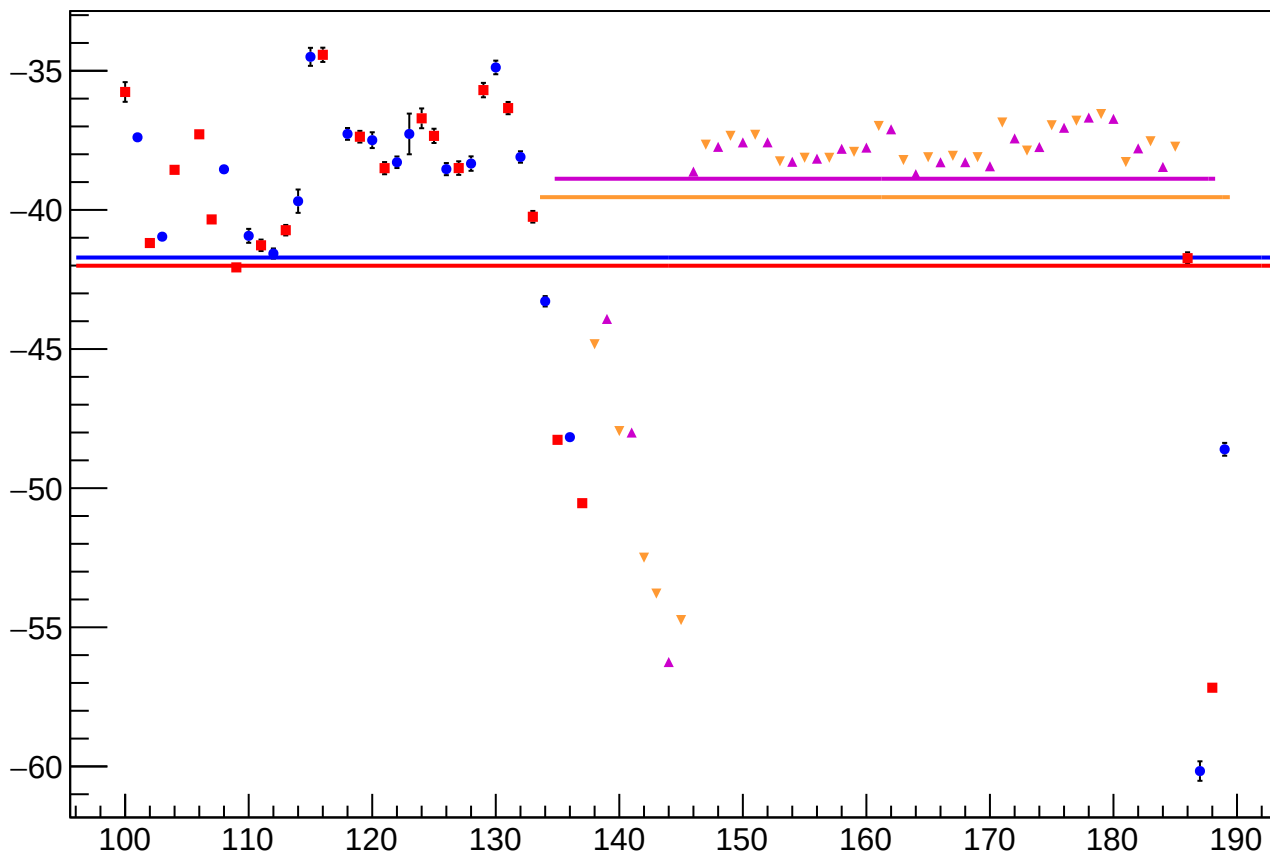
Right: 9.143 $\pm$ 0.500 χ^2 /NDF: 843.1/39

In: 17.808 $\pm$ 0.308 χ^2 /NDF:1714.7/41

Out: 17.280 $\pm$ 0.302 χ^2 /NDF:2109.0/45

All: 17.539 $\pm$ 0.216 χ^2 /NDF: 3825.2/87

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.711 $\pm$ 0.038 χ^2 /NDF: 16291.8/18

Left Out: -39.542 $\pm$ 0.016 χ^2 /NDF: 92024.1/24

Right Out: -42.006 $\pm$ 0.037 χ^2 /NDF: 21664.9/20

Left In: -38.880 $\pm$ 0.016 χ^2 /NDF: 53409.9/22

Left: -39.214 $\pm$ 0.011 χ^2 /NDF: 146312.0/47

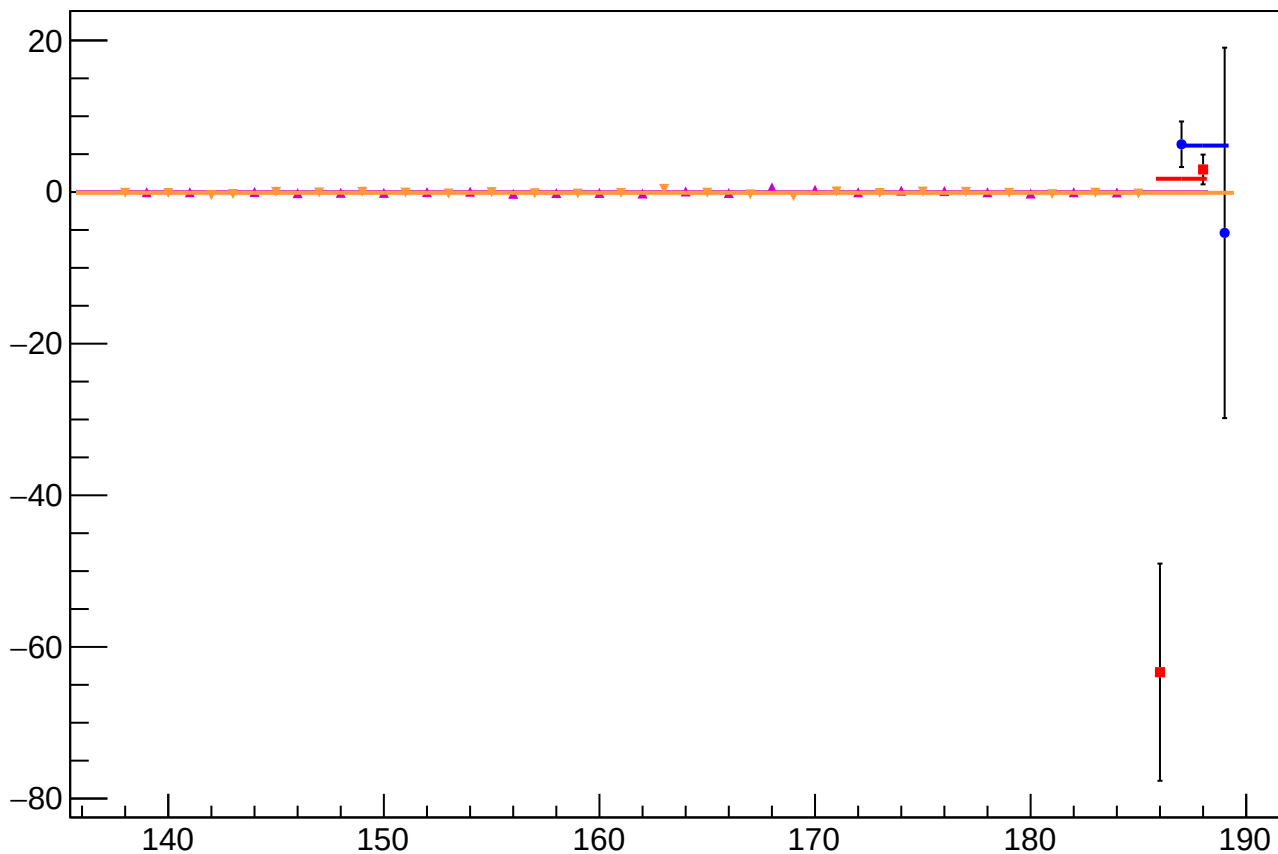
Right: -41.862 $\pm$ 0.026 χ^2 /NDF: 37987.6/39

In: -39.302 $\pm$ 0.015 χ^2 /NDF: 74452.9/41

Out: -39.919 $\pm$ 0.014 χ^2 /NDF: 117440.1/45

All: -39.614 $\pm$ 0.010 χ^2 /NDF: 192789.9/87

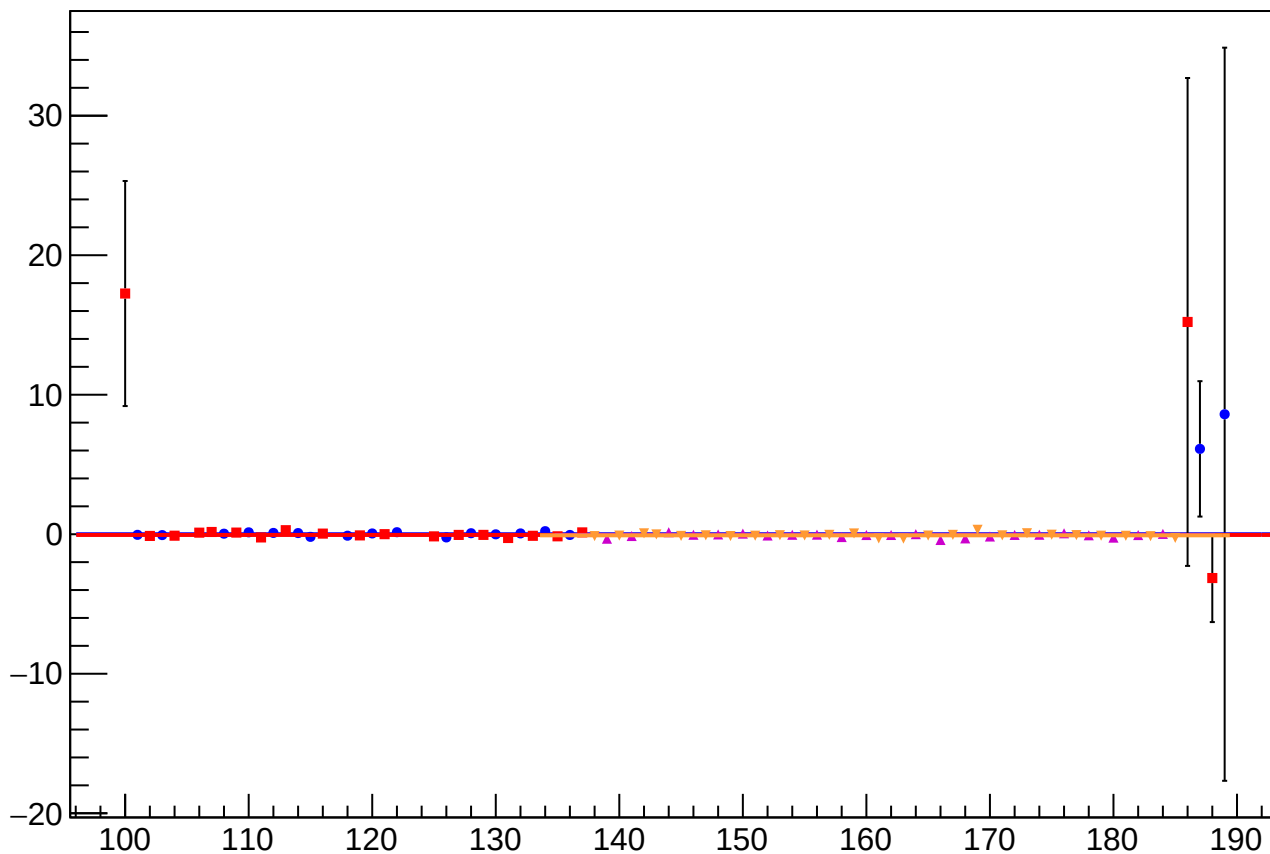
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.130 ± 2.984 $\chi^2/\text{NDF}: 0.2/1$
 Left Out: -0.095 ± 0.022 $\chi^2/\text{NDF}: 41.8/24$
 Right Out: 1.755 ± 1.945 $\chi^2/\text{NDF}: 21.0/1$
 Left In: -0.026 ± 0.022 $\chi^2/\text{NDF}: 33.3/22$

Left: -0.061 ± 0.016 $\chi^2/\text{NDF}: 80.1/47$
 Right: 3.059 ± 1.629 $\chi^2/\text{NDF}: 22.8/3$
 In: -0.025 ± 0.022 $\chi^2/\text{NDF}: 37.8/24$
 Out: -0.095 ± 0.022 $\chi^2/\text{NDF}: 63.8/26$
 All: -0.061 ± 0.016 $\chi^2/\text{NDF}: 106.5/51$

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.002 ± 0.029 $\chi^2/\text{NDF}: 14.4/17$

Left Out: -0.078 ± 0.017 $\chi^2/\text{NDF}: 26.6/24$

Right Out: -0.050 ± 0.029 $\chi^2/\text{NDF}: 27.2/19$

Left In: -0.052 ± 0.018 $\chi^2/\text{NDF}: 31.7/22$

Left: -0.065 ± 0.012 $\chi^2/\text{NDF}: 59.4/47$

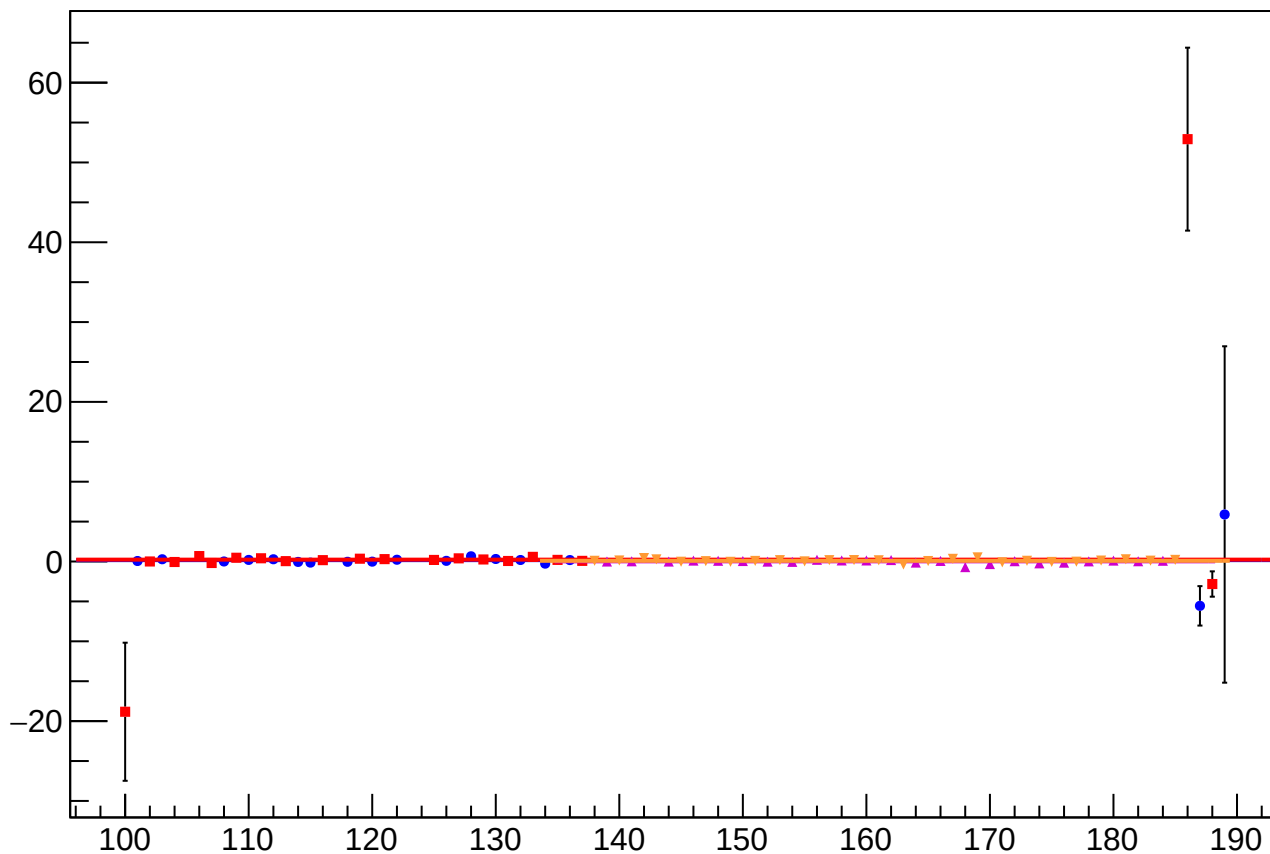
Right: -0.025 ± 0.020 $\chi^2/\text{NDF}: 43.0/37$

In: -0.038 ± 0.015 $\chi^2/\text{NDF}: 48.3/40$

Out: -0.071 ± 0.015 $\chi^2/\text{NDF}: 54.5/44$

All: -0.055 ± 0.010 $\chi^2/\text{NDF}: 105.2/85$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 0.055 $\pm$ 0.015 χ^2 /NDF: 81.0/47

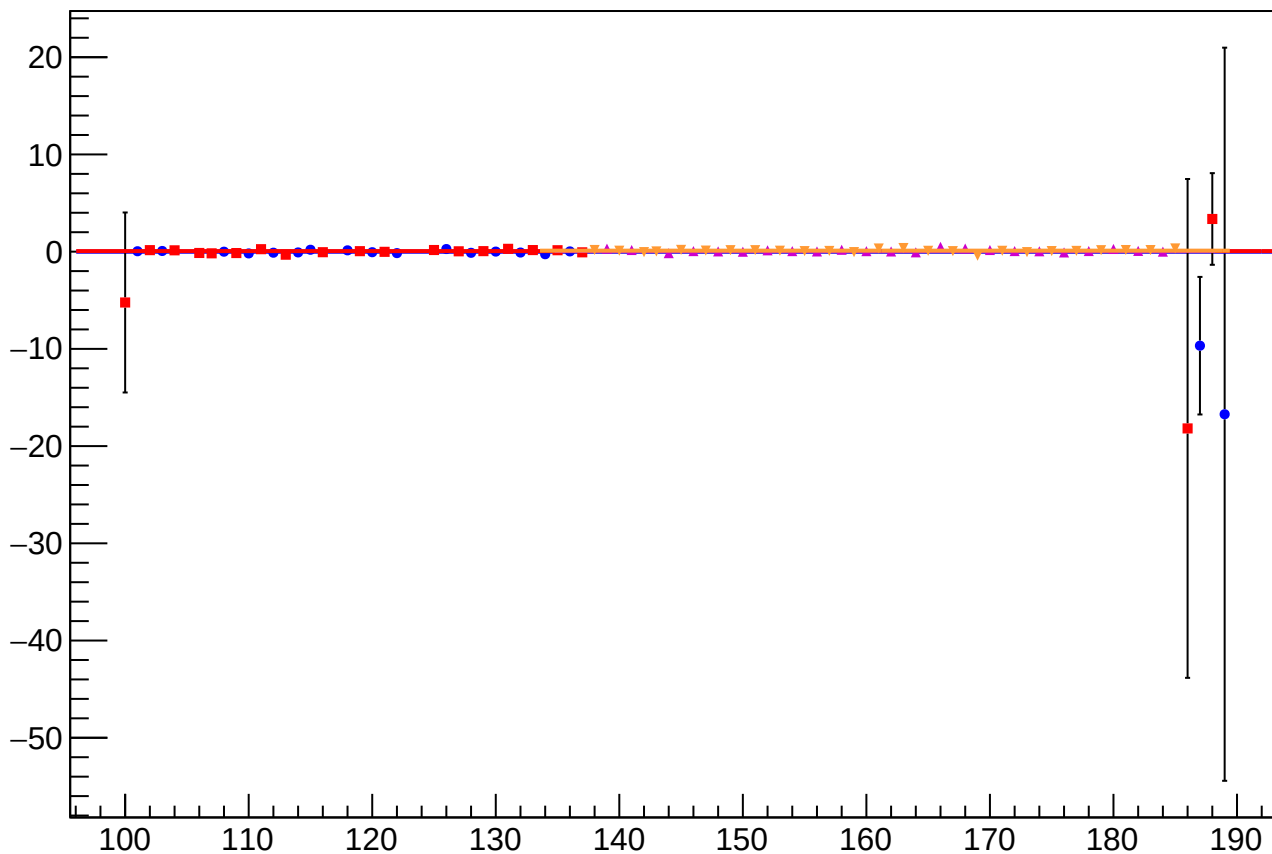
Right: 0.202 $\pm$ 0.038 χ^2 /NDF: 64.9/37

In: 0.043 $\pm$ 0.020 χ^2 /NDF:60.5/40

Out: 0.108 $\pm$ 0.020 χ^2 /NDF:93.4/44

All: 0.076 $\pm$ 0.014 χ^2 /NDF: 158.9/85

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 0.086 ± 0.014 χ^2/NDF : 63.0/47

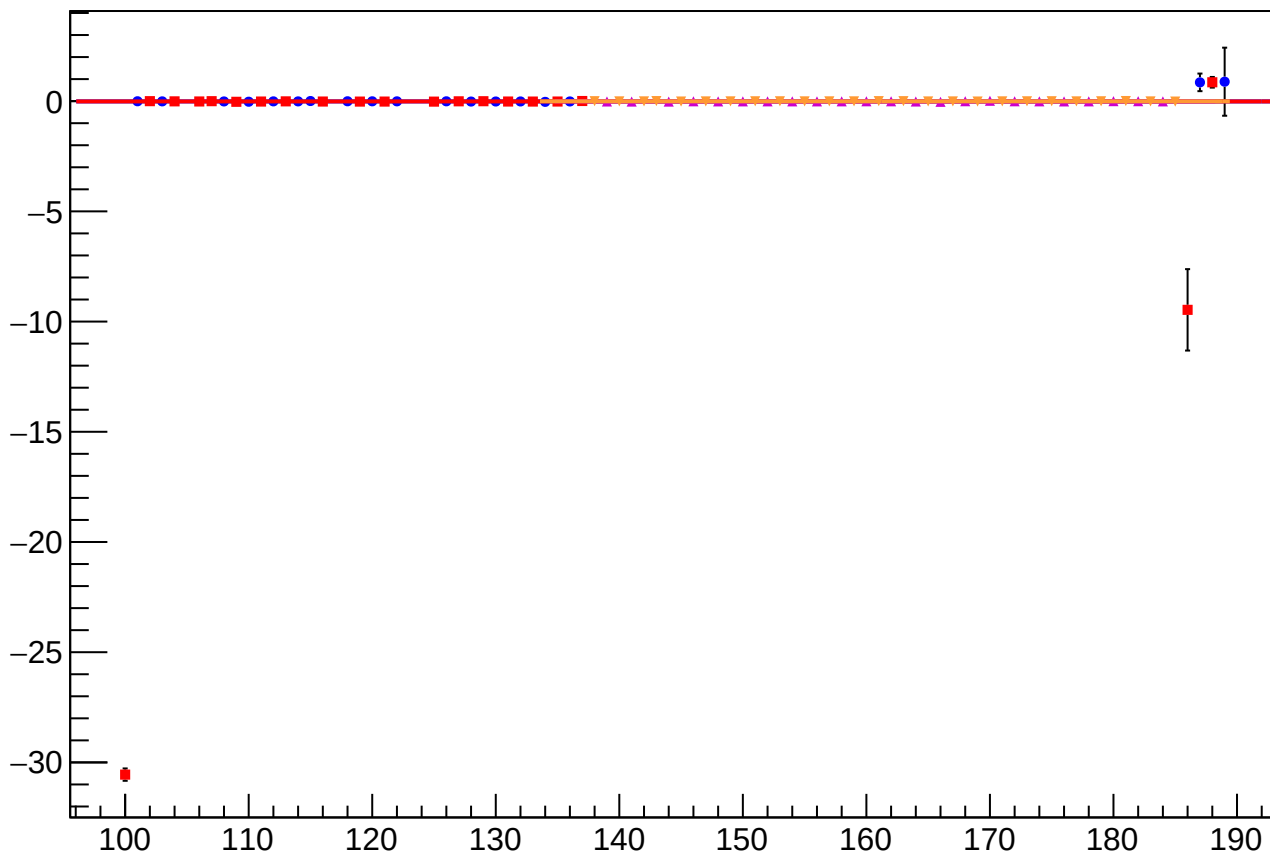
Right: 0.024 ± 0.024 χ^2/NDF : 39.3/37

In: 0.049 ± 0.017 χ^2/NDF : 51.3/40

Out: 0.091 ± 0.017 χ^2/NDF : 52.9/44

All: 0.070 ± 0.012 χ^2/NDF : 107.3/85

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 17.8/17

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:34.7/24

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11929.9/19

Left In: -0.009 $\pm$ 0.001 χ^2 /NDF:40.8/22

Left: -0.008 $\pm$ 0.001 χ^2 /NDF: 76.4/47

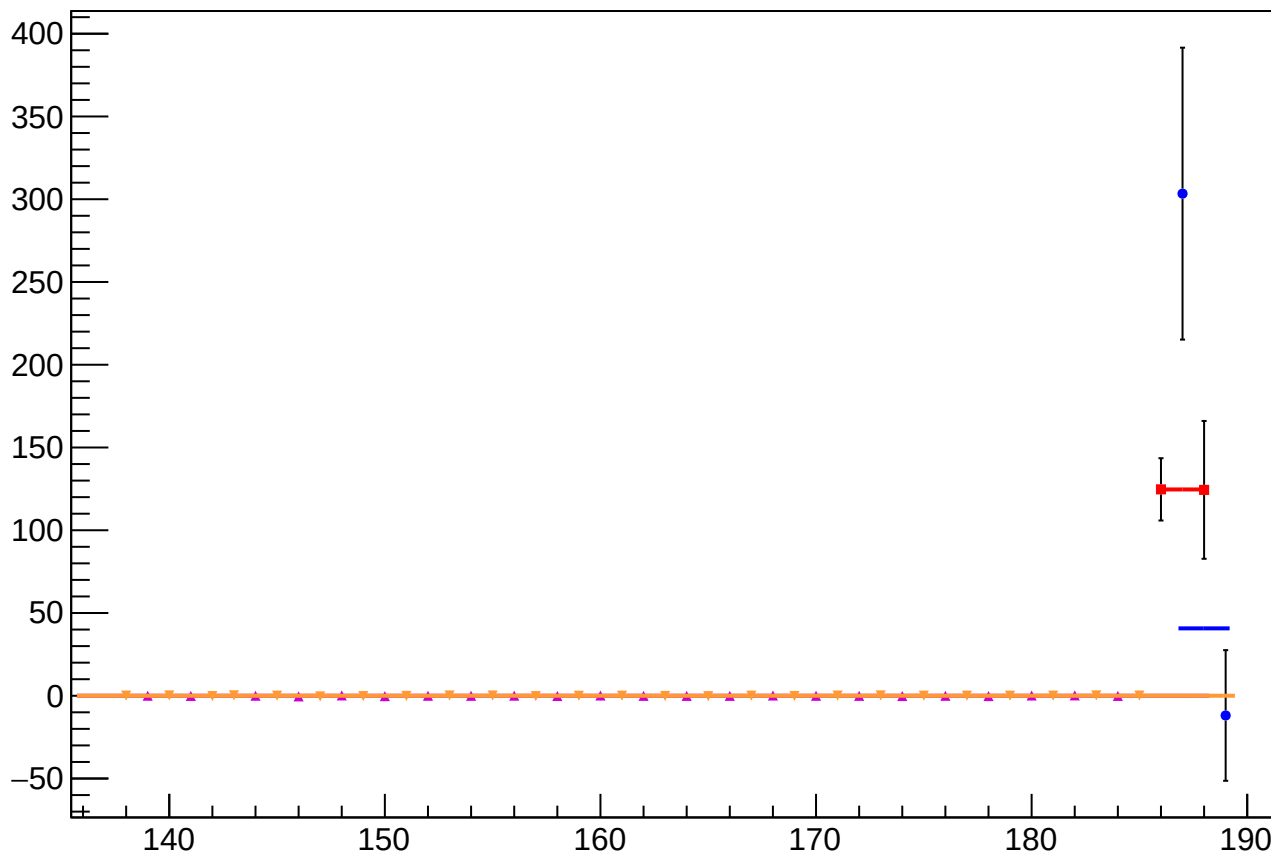
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11947.7/37

In: -0.009 $\pm$ 0.001 χ^2 /NDF:61.0/40

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:11969.4/44

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 12031.0/85

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 0.010 $\pm$ 0.019 χ^2 /NDF: 60.1/47

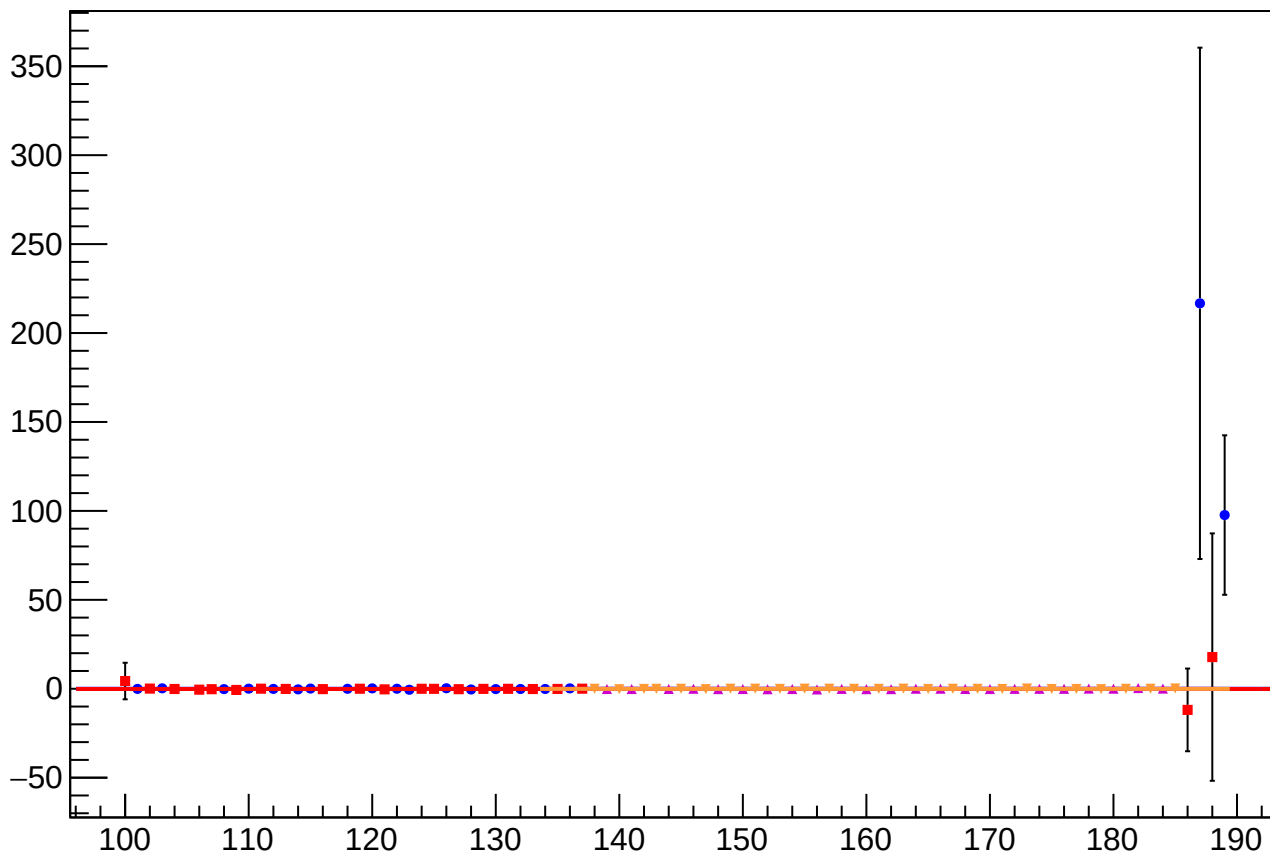
Right: 109.148 $\pm$ 15.485 χ^2 /NDF: 15.1/3

In: 0.002 $\pm$ 0.028 χ^2 /NDF:40.9/24

Out: 0.018 $\pm$ 0.027 χ^2 /NDF:83.8/26

All: 0.010 $\pm$ 0.019 χ^2 /NDF: 124.9/51

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.022 ± 0.037 $\chi^2/\text{NDF}: 30.0/18$

Left Out: -0.060 ± 0.021 $\chi^2/\text{NDF}: 24.6/24$

Right Out: -0.120 ± 0.039 $\chi^2/\text{NDF}: 18.8/20$

Left In: -0.071 ± 0.022 $\chi^2/\text{NDF}: 49.0/22$

Left: -0.065 ± 0.015 $\chi^2/\text{NDF}: 73.7/47$

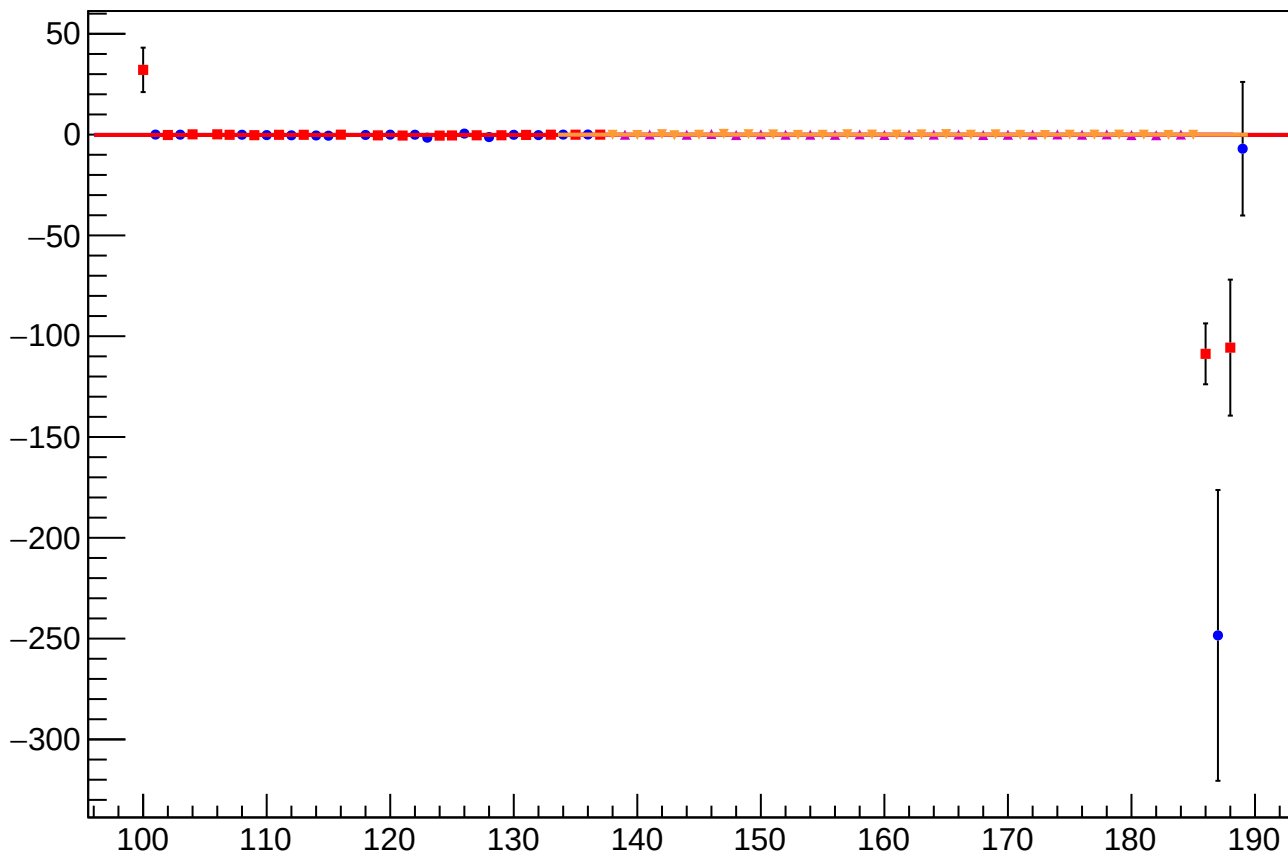
Right: -0.068 ± 0.027 $\chi^2/\text{NDF}: 52.1/39$

In: -0.058 ± 0.019 $\chi^2/\text{NDF}: 80.2/41$

Out: -0.073 ± 0.019 $\chi^2/\text{NDF}: 45.3/45$

All: -0.066 ± 0.013 $\chi^2/\text{NDF}: 125.8/87$

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -0.025 ± 0.019 χ^2/NDF : 57.6/47

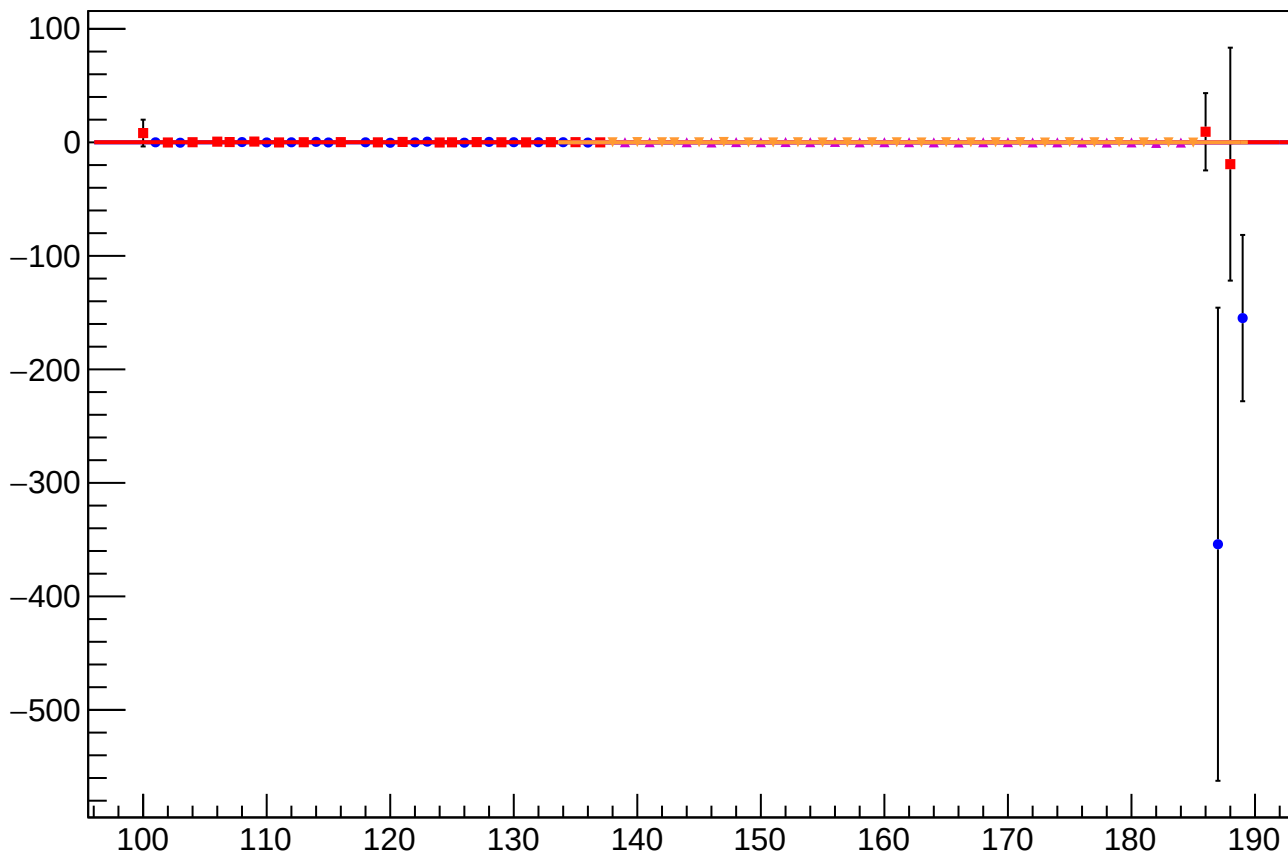
Right: -0.150 ± 0.049 χ^2/NDF : 112.6/39

In: -0.047 ± 0.025 χ^2/NDF : 67.1/41

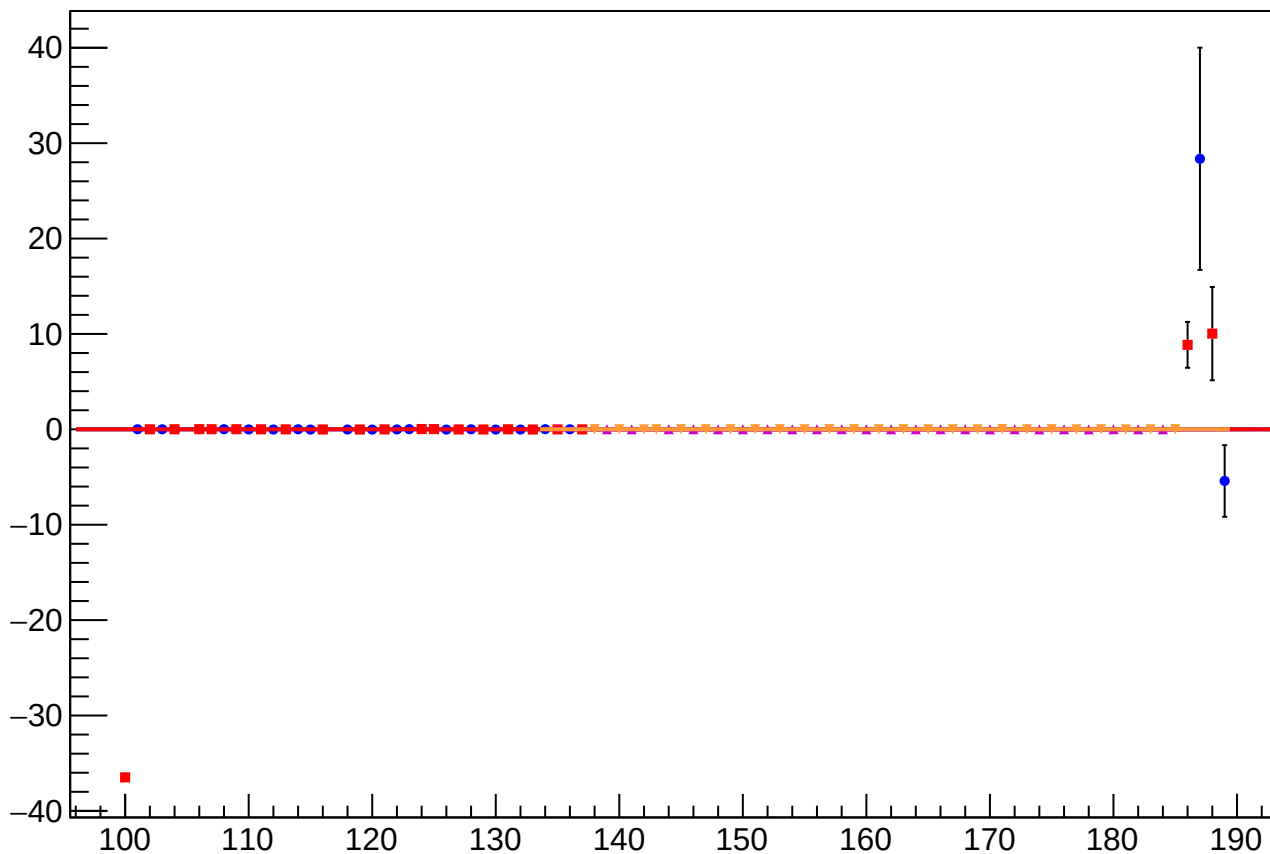
Out: -0.037 ± 0.025 χ^2/NDF : 108.7/45

All: -0.042 ± 0.018 χ^2/NDF : 175.9/87

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2/NDF : 38.5/18

Left Out: 0.008 $\pm$ 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 $\pm$ 0.002 χ^2/NDF : 10466.9/20

Left In: 0.009 $\pm$ 0.001 χ^2/NDF : 15.0/22

Left: 0.009 $\pm$ 0.001 χ^2/NDF : 41.4/47

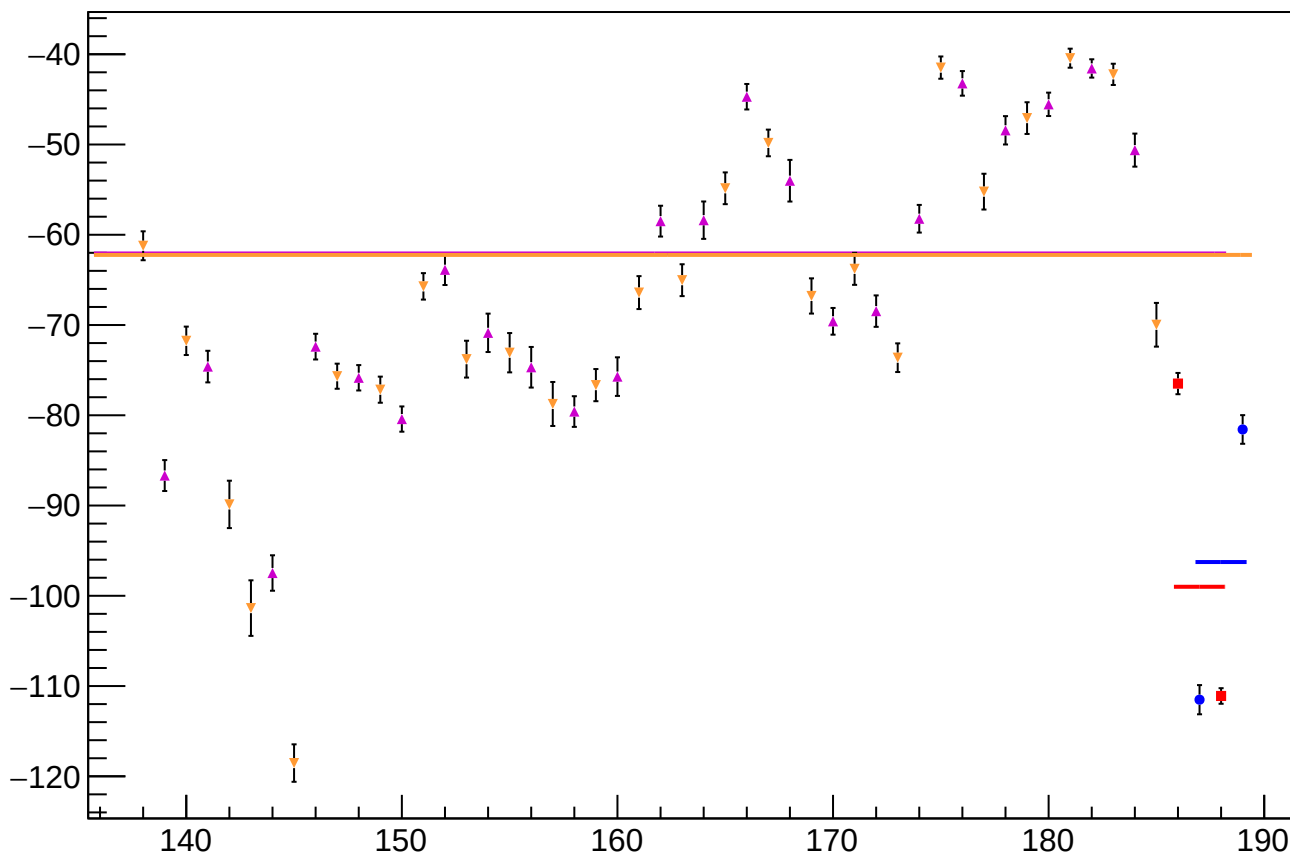
Right: 0.001 $\pm$ 0.002 χ^2/NDF : 10505.4/39

In: 0.007 $\pm$ 0.001 χ^2/NDF : 63.0/41

Out: 0.007 $\pm$ 0.001 χ^2/NDF : 10502.2/45

All: 0.007 $\pm$ 0.001 χ^2/NDF : 10565.3/87

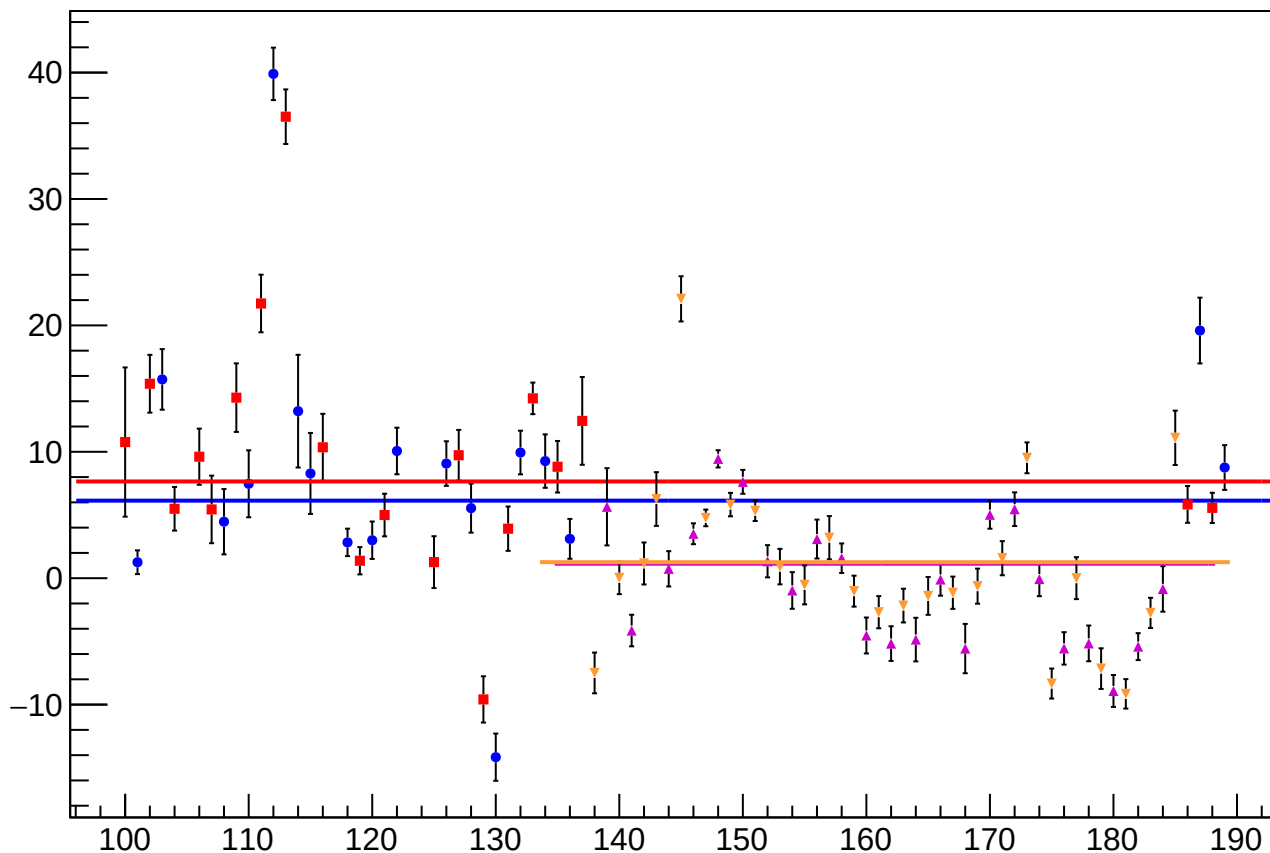
reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -62.153 $\pm$ 0.235 χ^2 /NDF: 4860.6/47
 Right: -98.249 $\pm$ 0.594 χ^2 /NDF: 739.8/3
 In: -64.782 $\pm$ 0.319 χ^2 /NDF: 3205.0/24
 Out: -69.032 $\pm$ 0.300 χ^2 /NDF: 5499.0/26
 All: -67.039 $\pm$ 0.218 χ^2 /NDF: 8798.3/51

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.136 $\pm$ 0.412 χ^2 /NDF: 490.4/17

Left Out: 1.269 $\pm$ 0.251 χ^2 /NDF:531.9/24

Right Out: 7.652 $\pm$ 0.407 χ^2 /NDF: 413.4/19

Left In: 1.146 $\pm$ 0.255 χ^2 /NDF:462.9/22

Left: 1.208 $\pm$ 0.179 χ^2 /NDF: 995.0/47

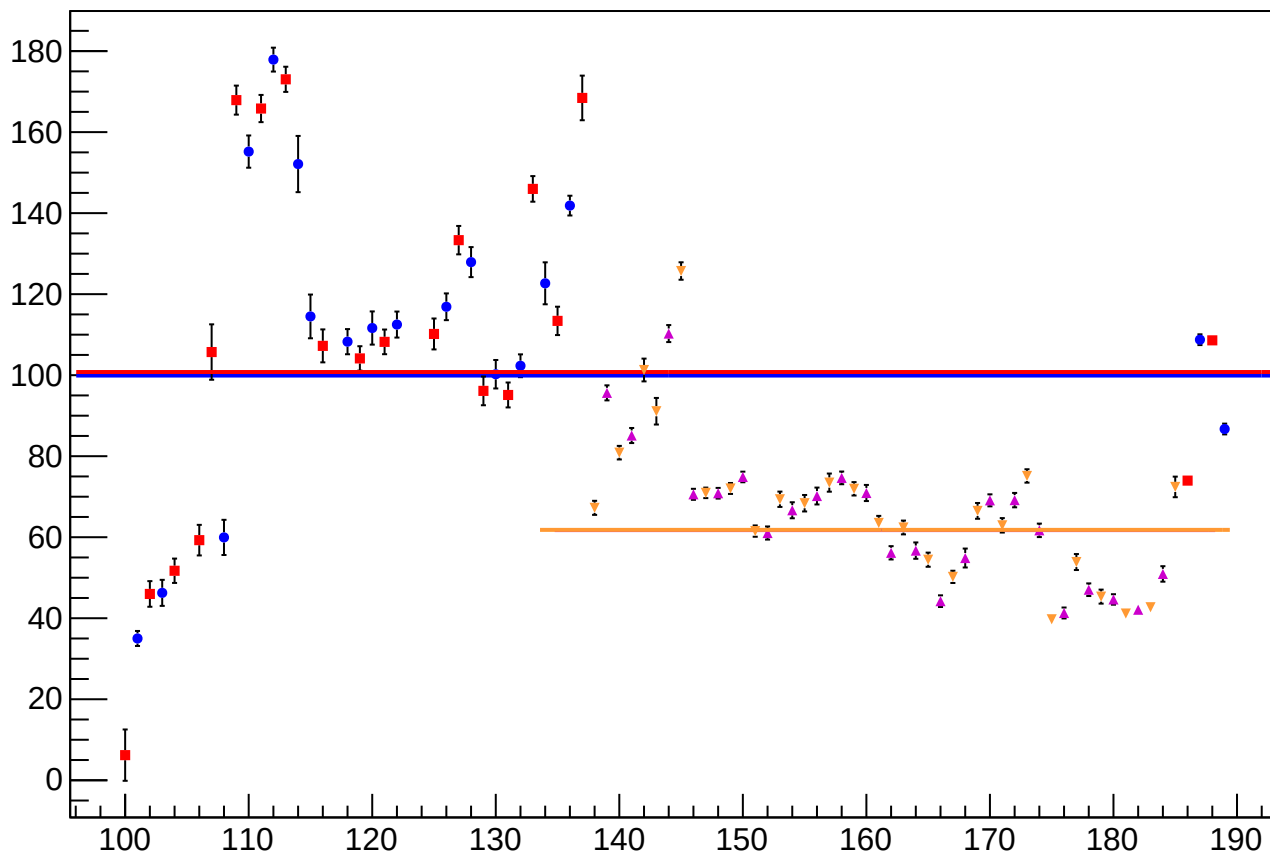
Right: 6.904 $\pm$ 0.290 χ^2 /NDF: 910.6/37

In: 2.529 $\pm$ 0.217 χ^2 /NDF:1059.2/40

Out: 3.026 $\pm$ 0.213 χ^2 /NDF:1123.7/44

All: 2.782 $\pm$ 0.152 χ^2 /NDF: 2185.5/85

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 61.787 $\pm$ 0.234 χ^2 /NDF: 5104.6/47

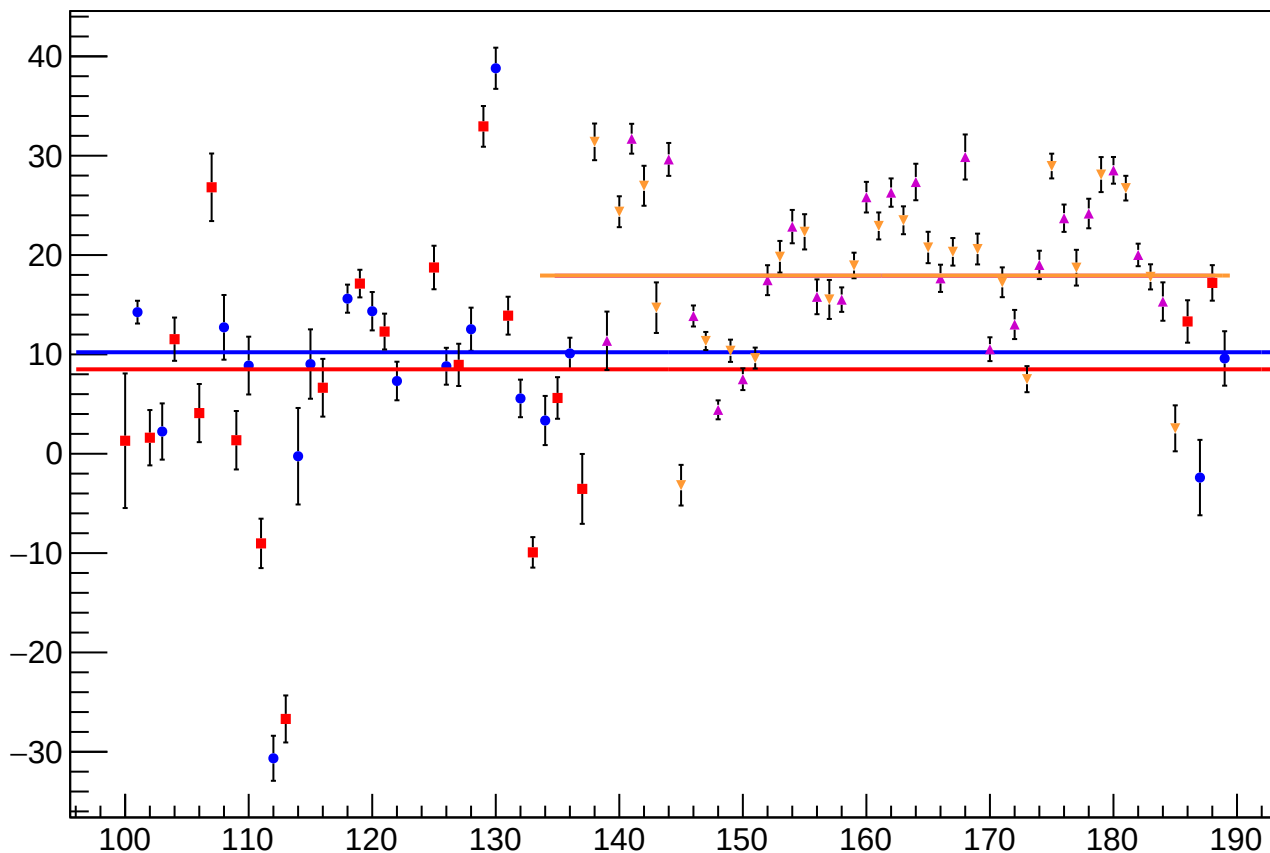
Right: 100.465 $\pm$ 0.371 χ^2 /NDF: 6712.8/37

In: 70.281 $\pm$ 0.291 χ^2 /NDF:8522.8/40

Out: 74.905 $\pm$ 0.269 χ^2 /NDF:10945.6/44

All: 72.769 $\pm$ 0.198 χ^2 /NDF: 19604.4/85

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.217 ± 0.486 $\chi^2/\text{NDF}: 589.3/17$

Left Out: 17.937 ± 0.289 $\chi^2/\text{NDF}: 676.0/24$

Right Out: 8.498 ± 0.490 $\chi^2/\text{NDF}: 719.2/19$

Left In: 17.916 ± 0.292 $\chi^2/\text{NDF}: 726.5/22$

Left: 17.927 ± 0.206 $\chi^2/\text{NDF}: 1402.5/47$

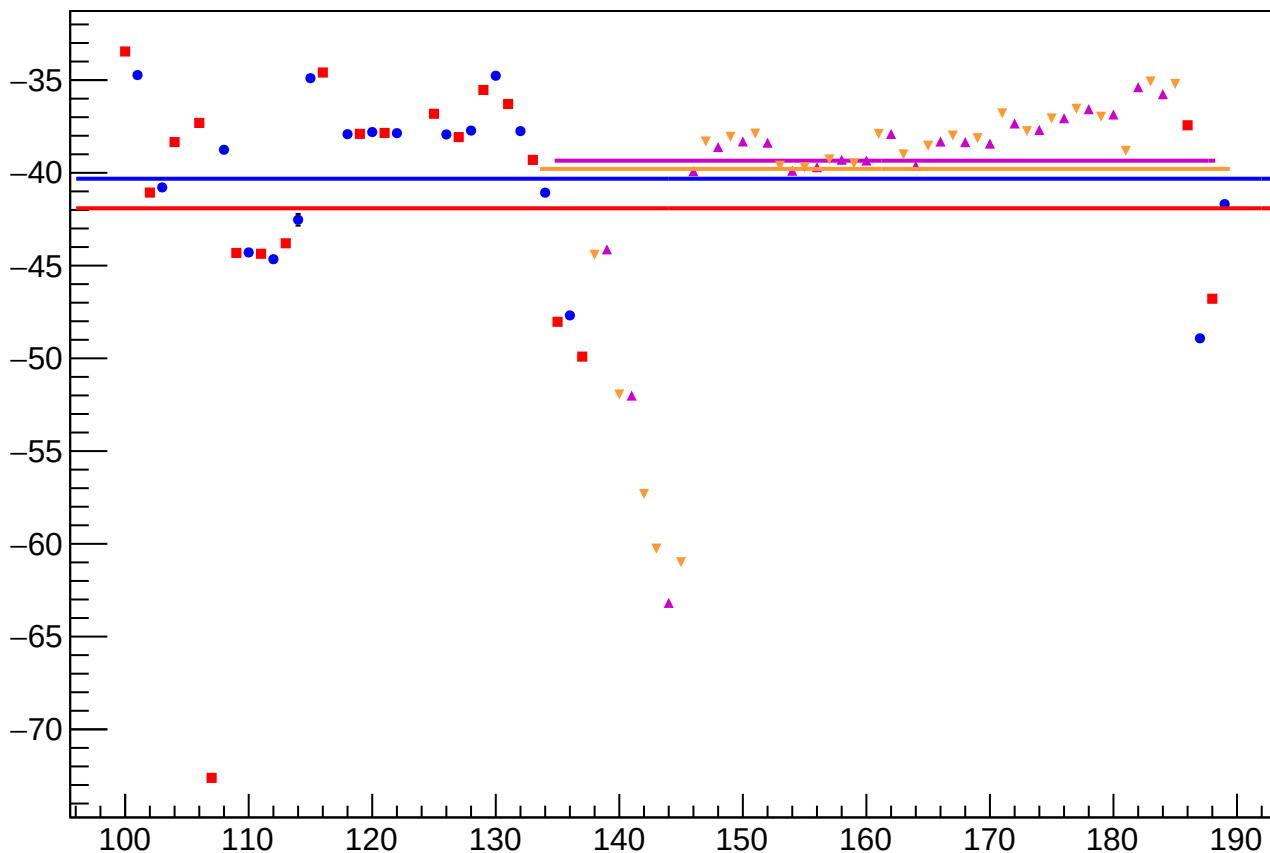
Right: 9.363 ± 0.345 $\chi^2/\text{NDF}: 1314.6/37$

In: 15.872 ± 0.251 $\chi^2/\text{NDF}: 1499.9/40$

Out: 15.498 ± 0.249 $\chi^2/\text{NDF}: 1670.9/44$

All: 15.684 ± 0.177 $\chi^2/\text{NDF}: 3172.0/85$

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.317 ± 0.027 $\chi^2/\text{NDF}: 26839.3/17$

Left Out: -39.788 ± 0.014 $\chi^2/\text{NDF}: 165493.8/24$

Right Out: -41.912 ± 0.027 $\chi^2/\text{NDF}: 65466.5/19$

Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

Left: -39.565 ± 0.010 $\chi^2/\text{NDF}: 282639.2/47$

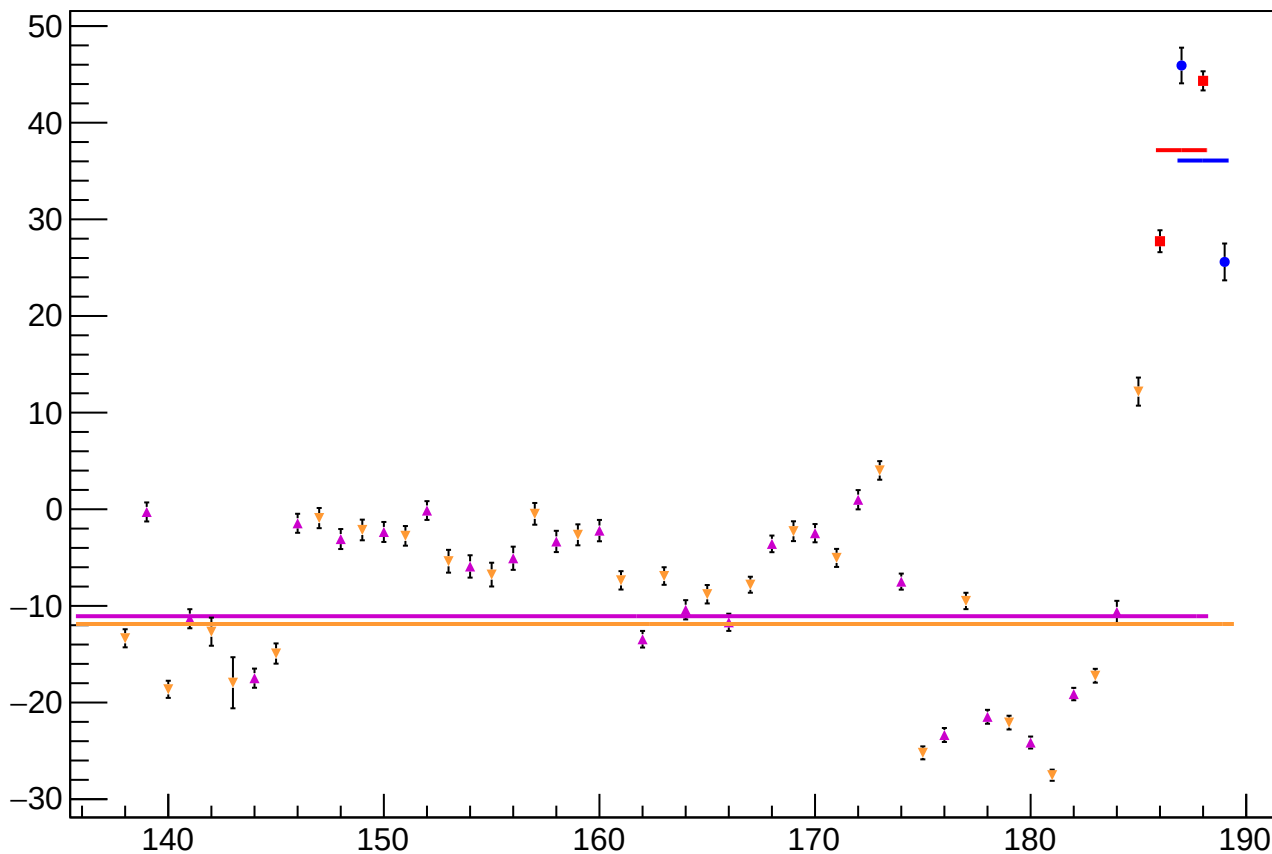
Right: -41.130 ± 0.019 $\chi^2/\text{NDF}: 94028.1/37$

In: -39.536 ± 0.012 $\chi^2/\text{NDF}: 144465.0/40$

Out: -40.223 ± 0.012 $\chi^2/\text{NDF}: 235918.0/44$

All: -39.879 ± 0.009 $\chi^2/\text{NDF}: 381974.6/85$

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



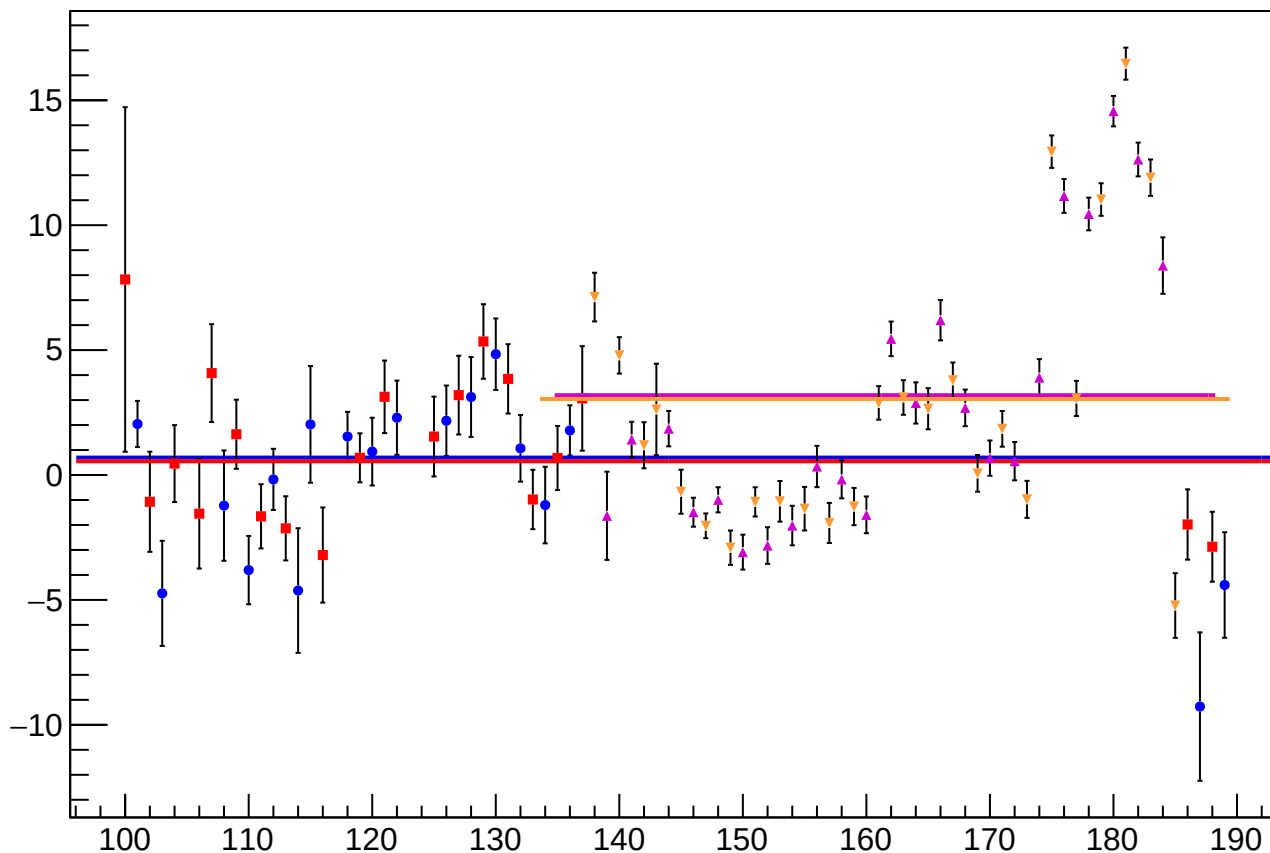
Right In: 36.085 ± 1.326 $\chi^2/\text{NDF}: 58.7/1$
 Left Out: -11.873 ± 0.186 $\chi^2/\text{NDF}: 2745.2/24$
 Right Out: 37.158 ± 0.746 $\chi^2/\text{NDF}: 121.4/1$
 Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

Left: -11.473 ± 0.132 $\chi^2/\text{NDF}: 4859.2/47$
 Right: 36.900 ± 0.650 $\chi^2/\text{NDF}: 180.6/3$

In: -10.137 ± 0.186 $\chi^2/\text{NDF}: 3403.9/24$
 Out: -8.993 ± 0.181 $\chi^2/\text{NDF}: 6932.4/26$

All: -9.549 ± 0.130 $\chi^2/\text{NDF}: 10355.8/51$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 1295.0/22$

Left: 3.118 ± 0.105 $\chi^2/\text{NDF}: 2752.7/47$

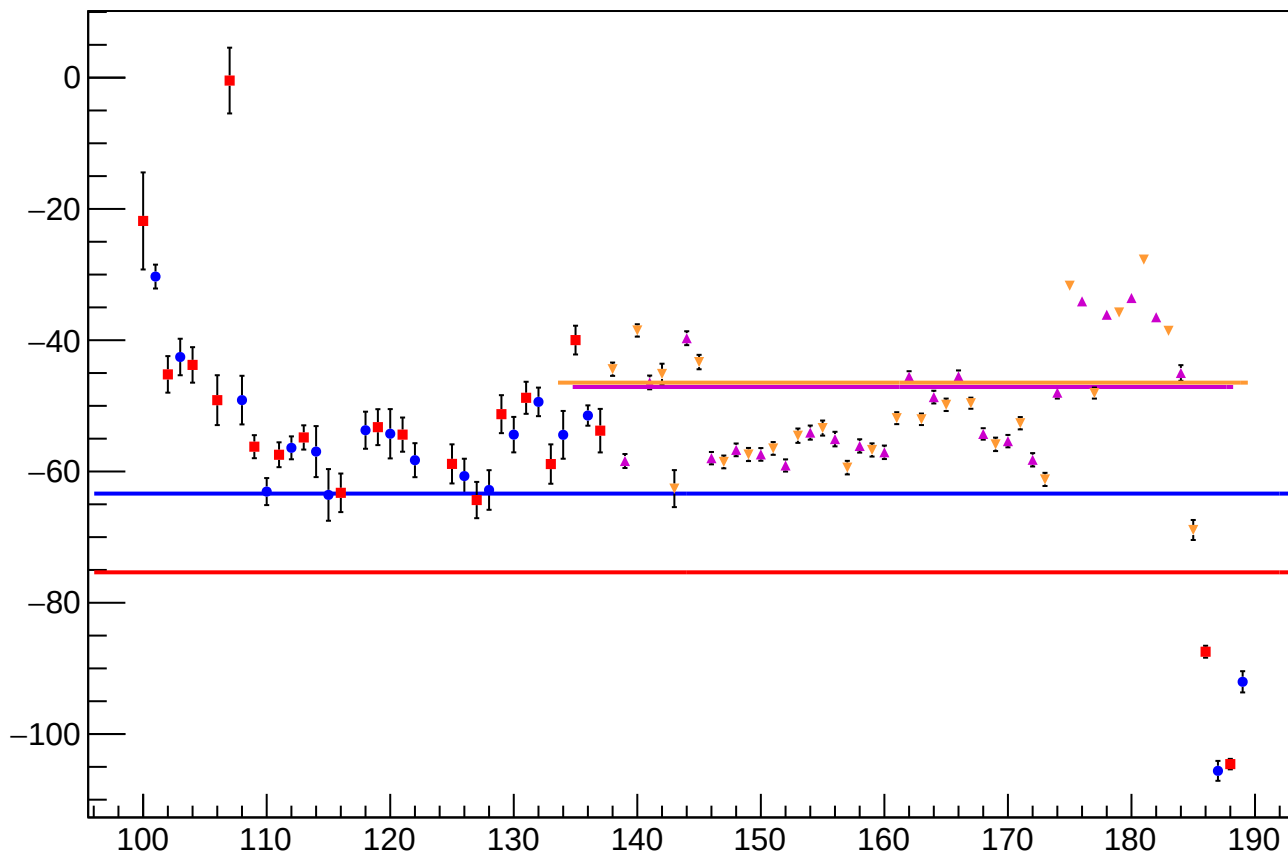
Right: 0.623 ± 0.236 $\chi^2/\text{NDF}: 111.8/37$

In: 2.779 ± 0.137 $\chi^2/\text{NDF}: 1400.4/40$

Out: 2.636 ± 0.135 $\chi^2/\text{NDF}: 1556.5/44$

All: 2.706 ± 0.096 $\chi^2/\text{NDF}: 2957.5/85$

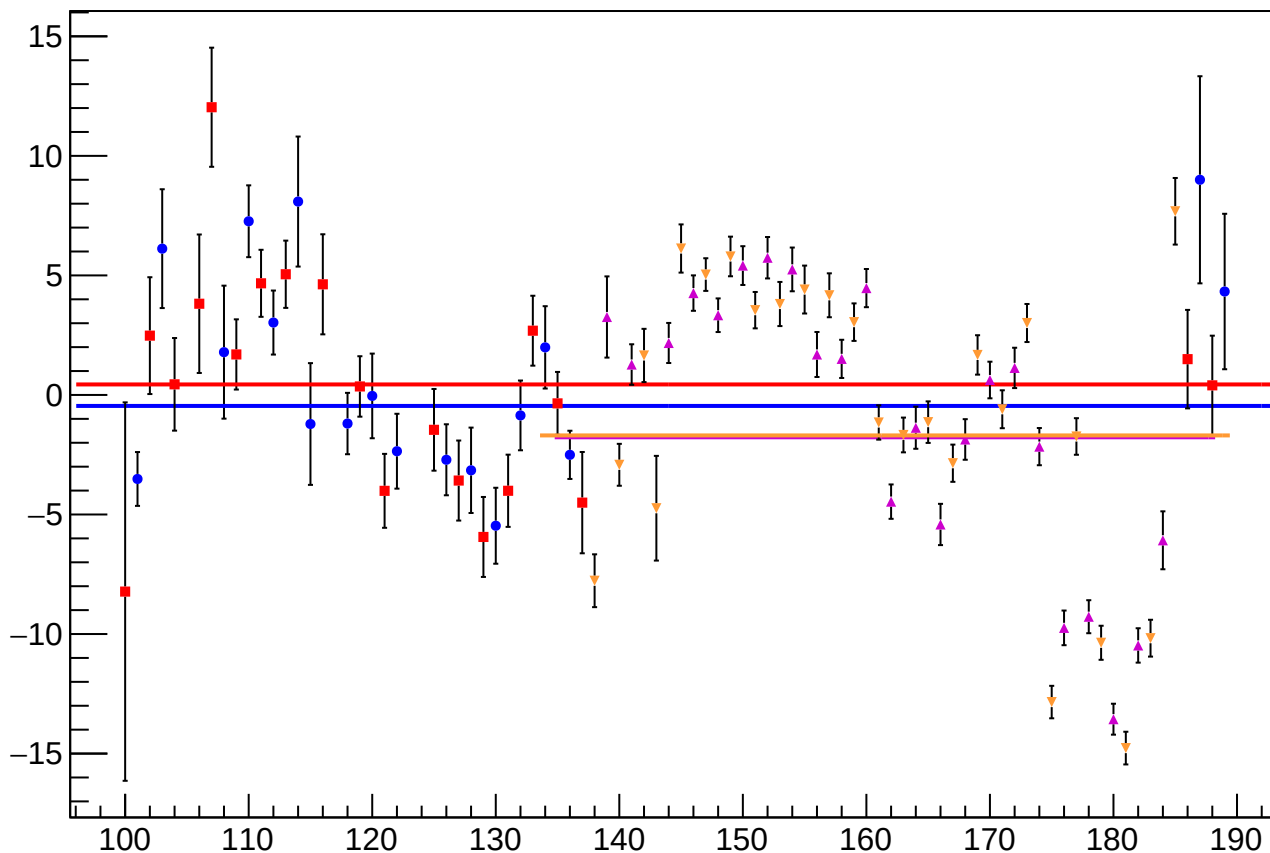
reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -63.367 ± 0.538 $\chi^2/\text{NDF}: 1650.7/17$
 Left Out: -46.463 ± 0.186 $\chi^2/\text{NDF}: 3319.7/24$
 Right Out: -75.363 ± 0.430 $\chi^2/\text{NDF}: 3142.3/19$
 Left In: -47.128 ± 0.187 $\chi^2/\text{NDF}: 2516.0/22$

Left: -46.793 ± 0.132 $\chi^2/\text{NDF}: 5842.0/47$
 Right: -70.684 ± 0.336 $\chi^2/\text{NDF}: 5096.2/37$
 In: -48.882 ± 0.177 $\chi^2/\text{NDF}: 4979.6/40$
 Out: -51.021 ± 0.171 $\chi^2/\text{NDF}: 10263.3/44$
 All: -49.988 ± 0.123 $\chi^2/\text{NDF}: 15318.6/85$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -1.731 ± 0.119 χ^2/NDF : 2737.1/47

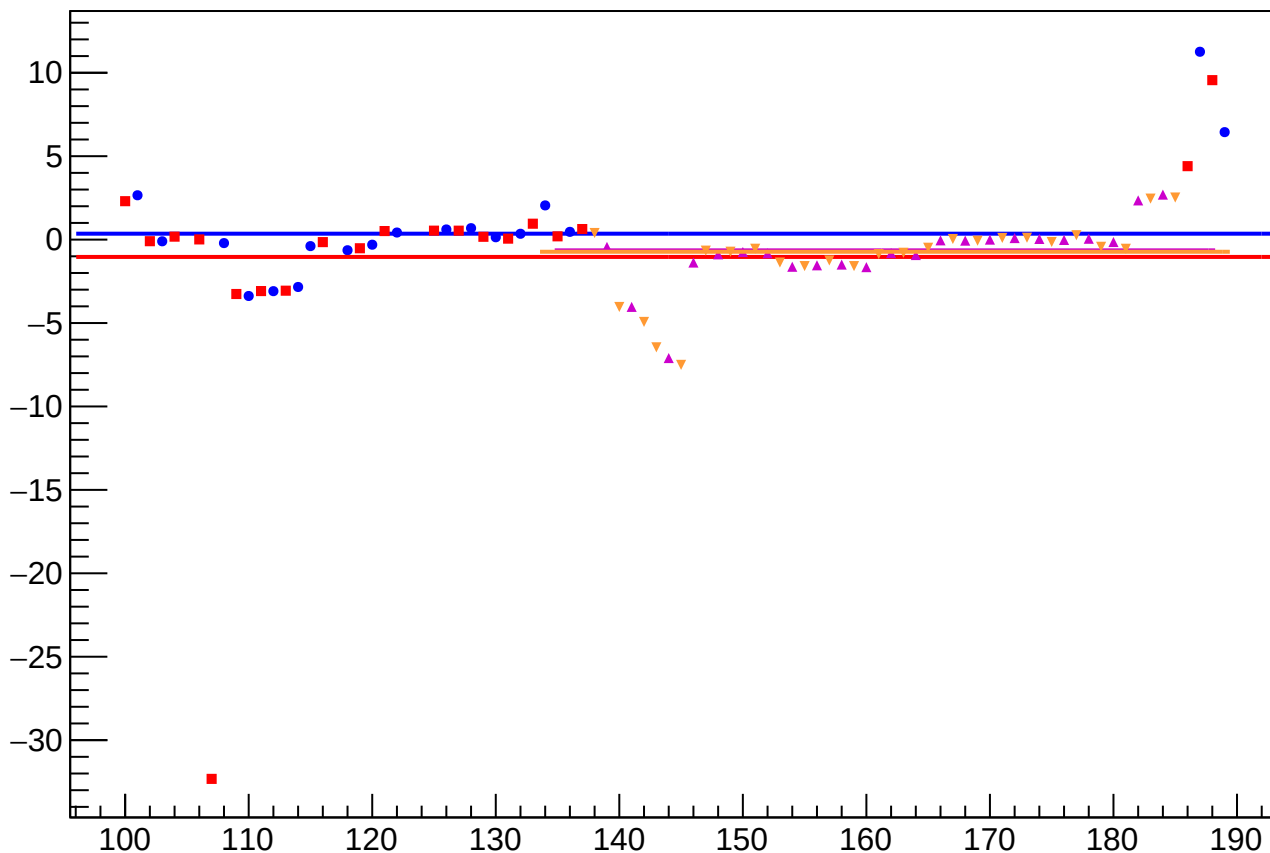
Right: -0.013 ± 0.272 χ^2/NDF : 186.9/37

In: -1.558 ± 0.155 χ^2/NDF : 1348.8/40

Out: -1.358 ± 0.153 χ^2/NDF : 1607.9/44

All: -1.457 ± 0.109 χ^2/NDF : 2957.6/85

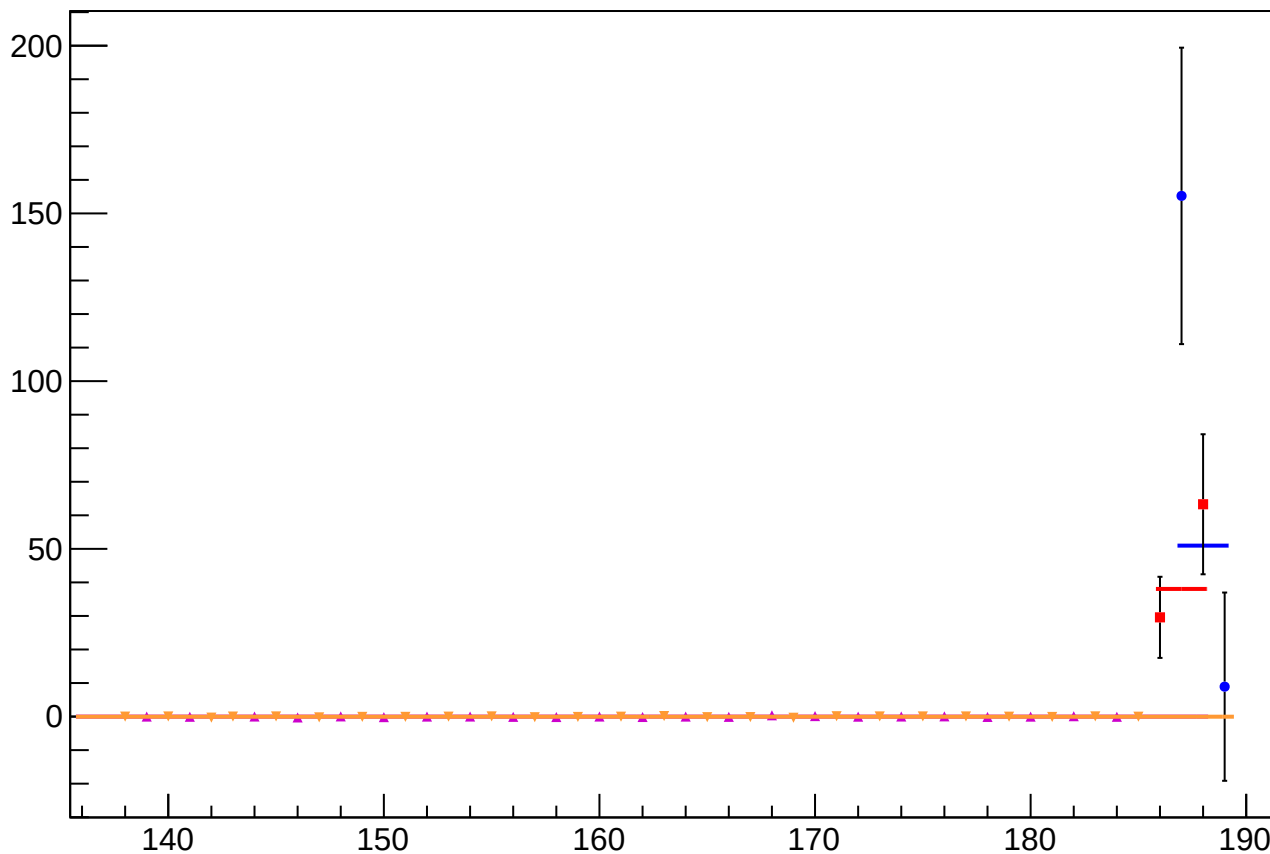
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.355 ± 0.021 χ^2/NDF : 9091.3/17
 Left Out: -0.728 ± 0.008 χ^2/NDF : 56403.8/24
 Right Out: -1.038 ± 0.021 χ^2/NDF : 90656.0/19
 Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

Left: -0.686 ± 0.005 χ^2/NDF : 100633.3/47
 Right: -0.345 ± 0.015 χ^2/NDF : 101905.3/37
 In: -0.529 ± 0.007 χ^2/NDF : 55213.3/40
 Out: -0.764 ± 0.007 χ^2/NDF : 147250.3/44
 All: -0.647 ± 0.005 χ^2/NDF : 202995.6/85

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.963+/-23.688 χ^2/NDF : 7.8/1

Left Out: -0.036+/-0.018 χ^2/NDF :35.6/24

Right Out: 38.053+/-10.463 χ^2/NDF : 2.0/1

Left In: -0.010+/-0.018 χ^2/NDF :35.1/22

Left: -0.023+/-0.013 χ^2/NDF : 71.8/47

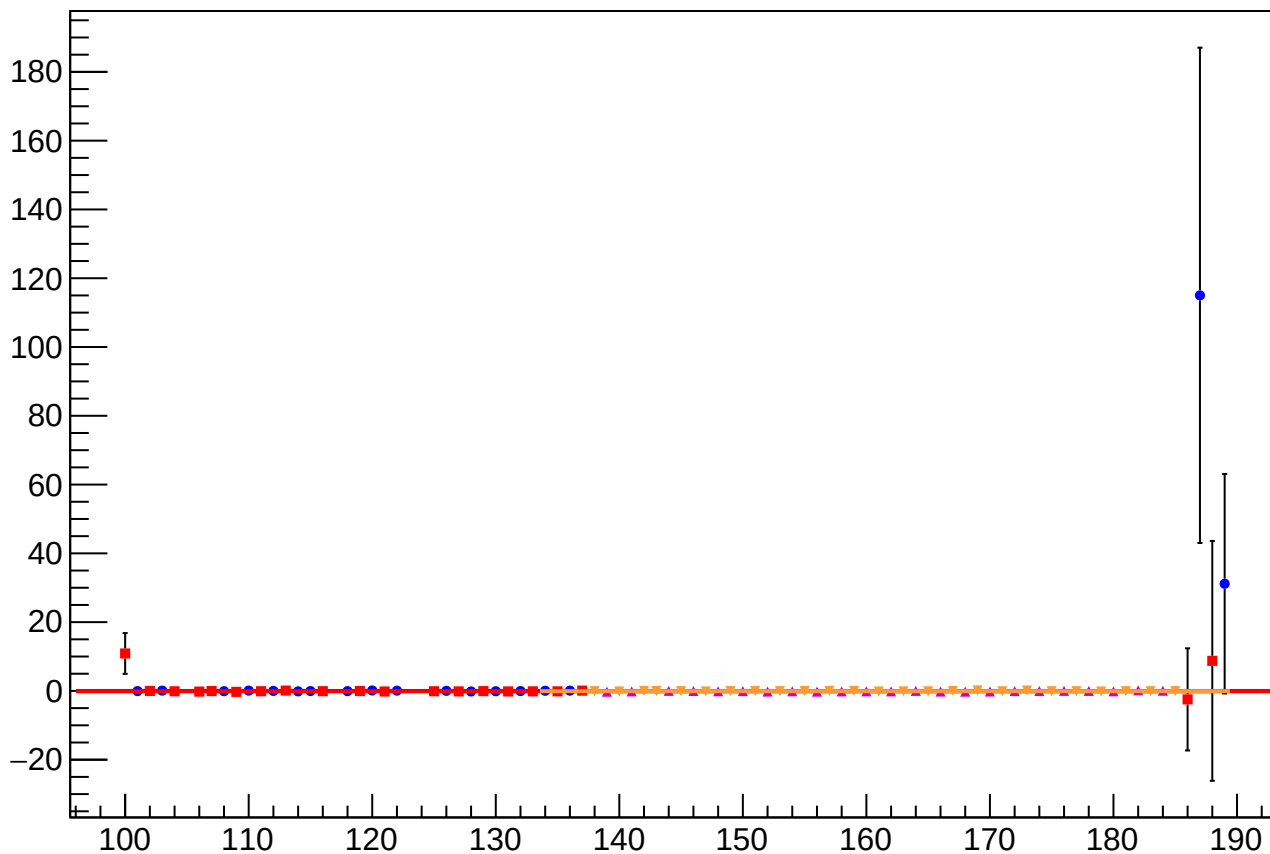
Right: 40.160+/-9.571 χ^2/NDF : 10.0/3

In: -0.010+/-0.018 χ^2/NDF :47.6/24

Out: -0.036+/-0.018 χ^2/NDF :50.8/26

All: -0.023+/-0.013 χ^2/NDF : 99.4/51

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 $\chi^2/\text{NDF}: 15.5/17$

Left Out: -0.071 ± 0.014 $\chi^2/\text{NDF}: 28.3/24$

Right Out: -0.088 ± 0.025 $\chi^2/\text{NDF}: 13.0/19$

Left In: -0.064 ± 0.014 $\chi^2/\text{NDF}: 41.1/22$

Left: -0.067 ± 0.010 $\chi^2/\text{NDF}: 69.5/47$

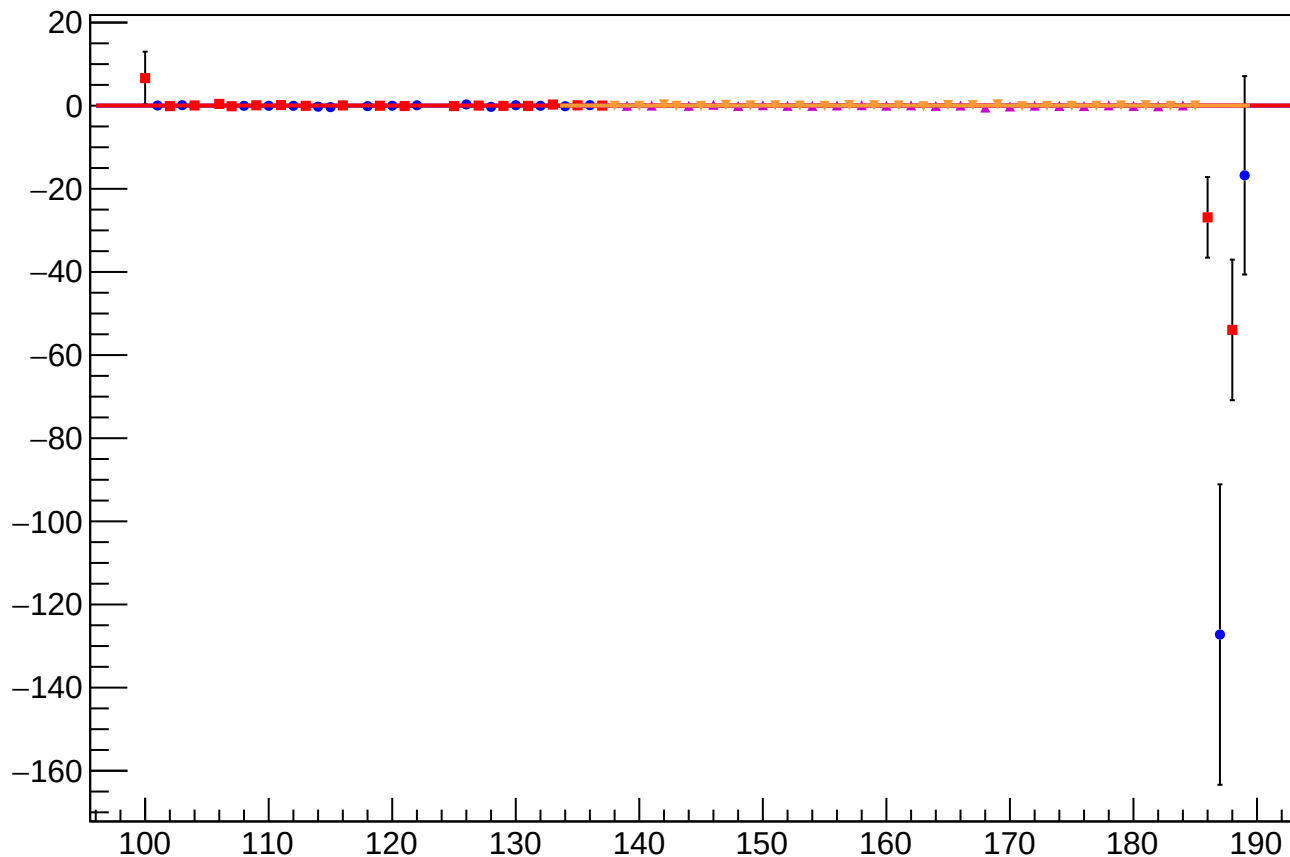
Right: -0.049 ± 0.017 $\chi^2/\text{NDF}: 33.3/37$

In: -0.050 ± 0.012 $\chi^2/\text{NDF}: 60.0/40$

Out: -0.075 ± 0.012 $\chi^2/\text{NDF}: 41.7/44$

All: -0.063 ± 0.009 $\chi^2/\text{NDF}: 103.7/85$

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.016+/-0.043 χ^2/NDF : 22.0/17

Left Out: 0.033+/-0.018 χ^2/NDF : 32.6/24

Right Out: 0.031+/-0.045 χ^2/NDF : 27.0/19

Left In: -0.009+/-0.018 χ^2/NDF : 36.8/22

Left: 0.013+/-0.013 χ^2/NDF : 72.2/47

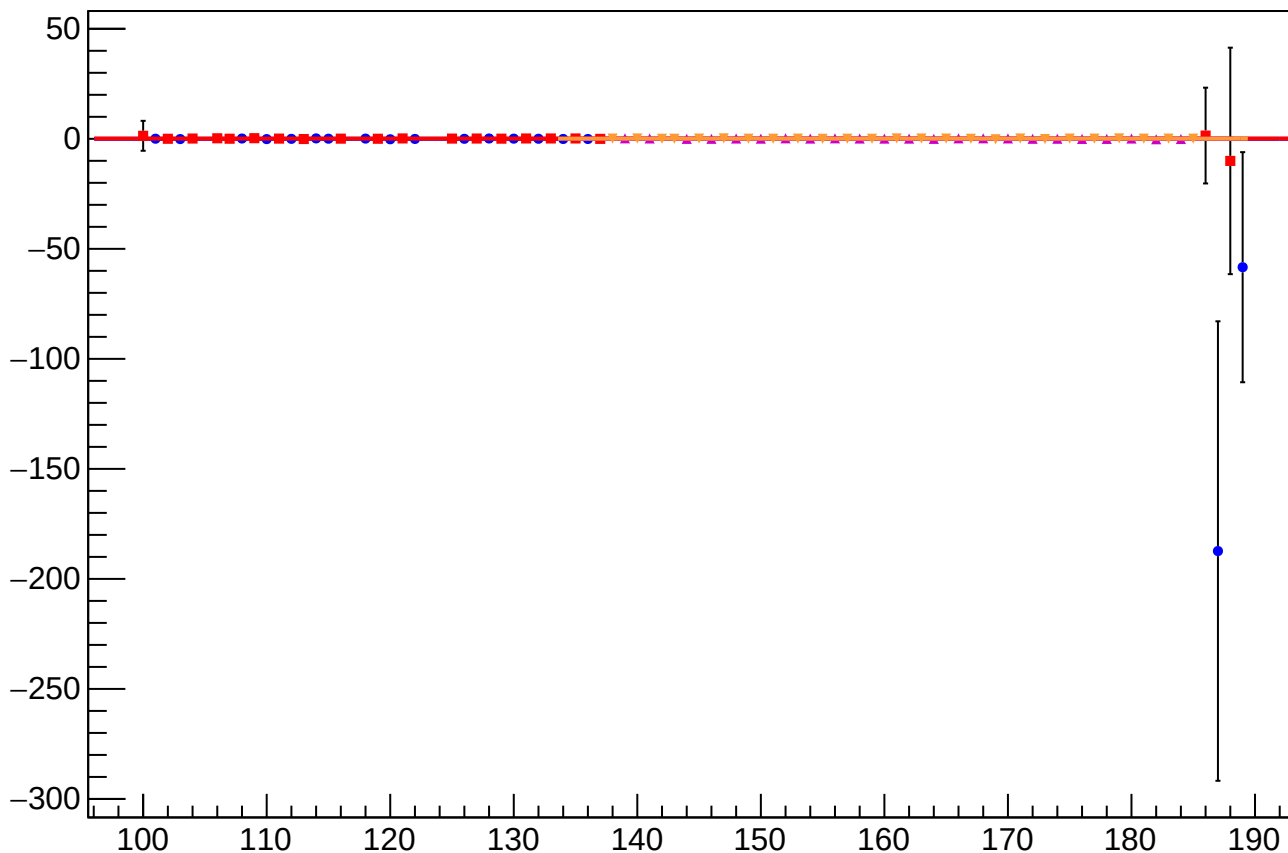
Right: 0.023+/-0.031 χ^2/NDF : 49.0/37

In: -0.005+/-0.017 χ^2/NDF : 59.1/40

Out: 0.033+/-0.016 χ^2/NDF : 59.5/44

All: 0.014+/-0.012 χ^2/NDF : 121.3/85

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 0.077 $\pm$ 0.011 χ^2 /NDF: 73.3/47

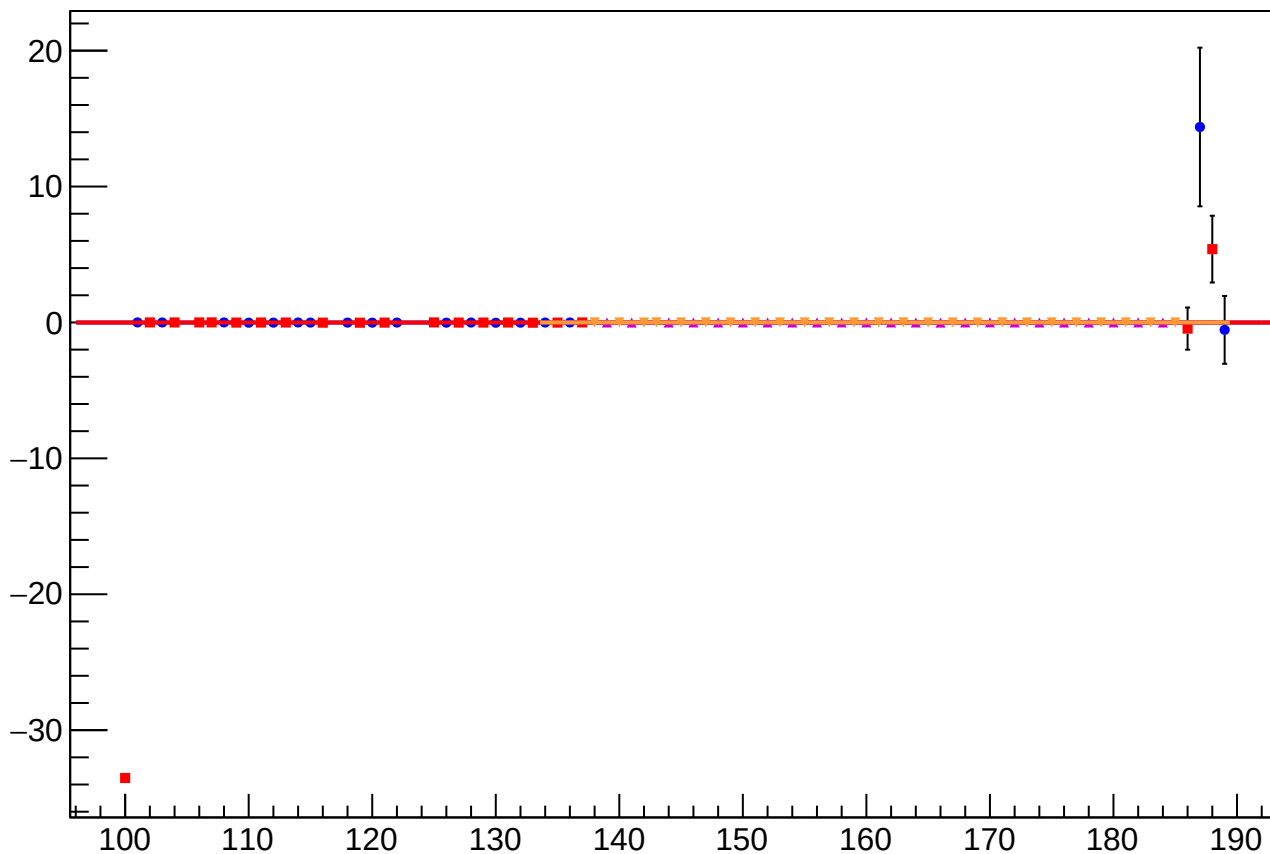
Right: 0.054 $\pm$ 0.020 χ^2 /NDF: 30.4/37

In: 0.053 $\pm$ 0.014 χ^2 /NDF:64.8/40

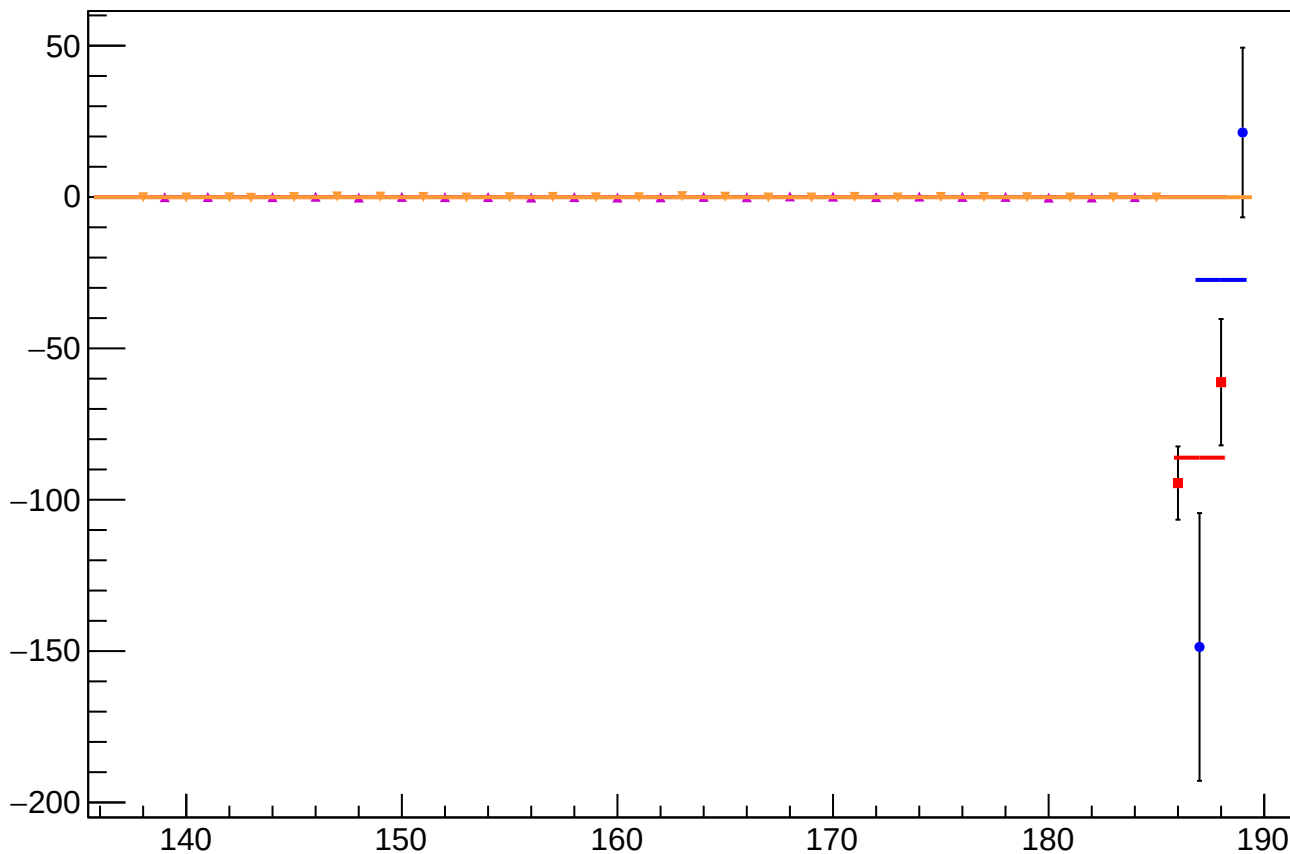
Out: 0.089 $\pm$ 0.014 χ^2 /NDF:36.7/44

All: 0.071 $\pm$ 0.010 χ^2 /NDF: 104.7/85

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -27.379 ± 23.669 $\chi^2/\text{NDF}: 10.5/1$

Left Out: -0.059 ± 0.018 $\chi^2/\text{NDF}: 41.7/24$

Right Out: -86.104 ± 10.466 $\chi^2/\text{NDF}: 1.9/1$

Left In: -0.009 ± 0.018 $\chi^2/\text{NDF}: 35.1/22$

Left: -0.034 ± 0.013 $\chi^2/\text{NDF}: 80.7/47$

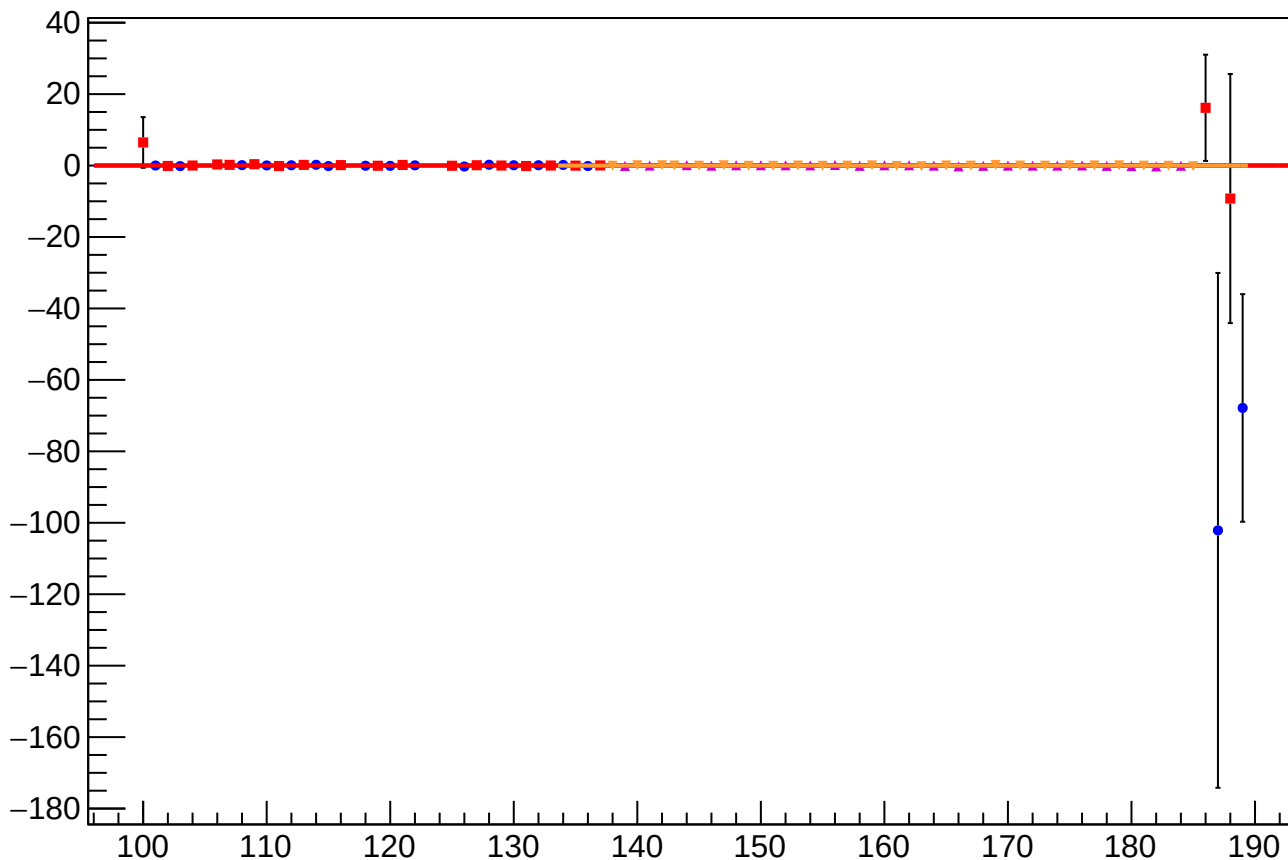
Right: -76.499 ± 9.572 $\chi^2/\text{NDF}: 17.6/3$

In: -0.009 ± 0.018 $\chi^2/\text{NDF}: 47.0/24$

Out: -0.059 ± 0.018 $\chi^2/\text{NDF}: 111.2/26$

All: -0.035 ± 0.013 $\chi^2/\text{NDF}: 162.1/51$

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.023 χ^2 /NDF: 31.7/17

Left Out: -0.010 $\pm$ 0.014 χ^2 /NDF:29.7/24

Right Out: 0.037 $\pm$ 0.025 χ^2 /NDF: 29.9/19

Left In: 0.005 $\pm$ 0.014 χ^2 /NDF:49.6/22

Left: -0.003 $\pm$ 0.010 χ^2 /NDF: 79.8/47

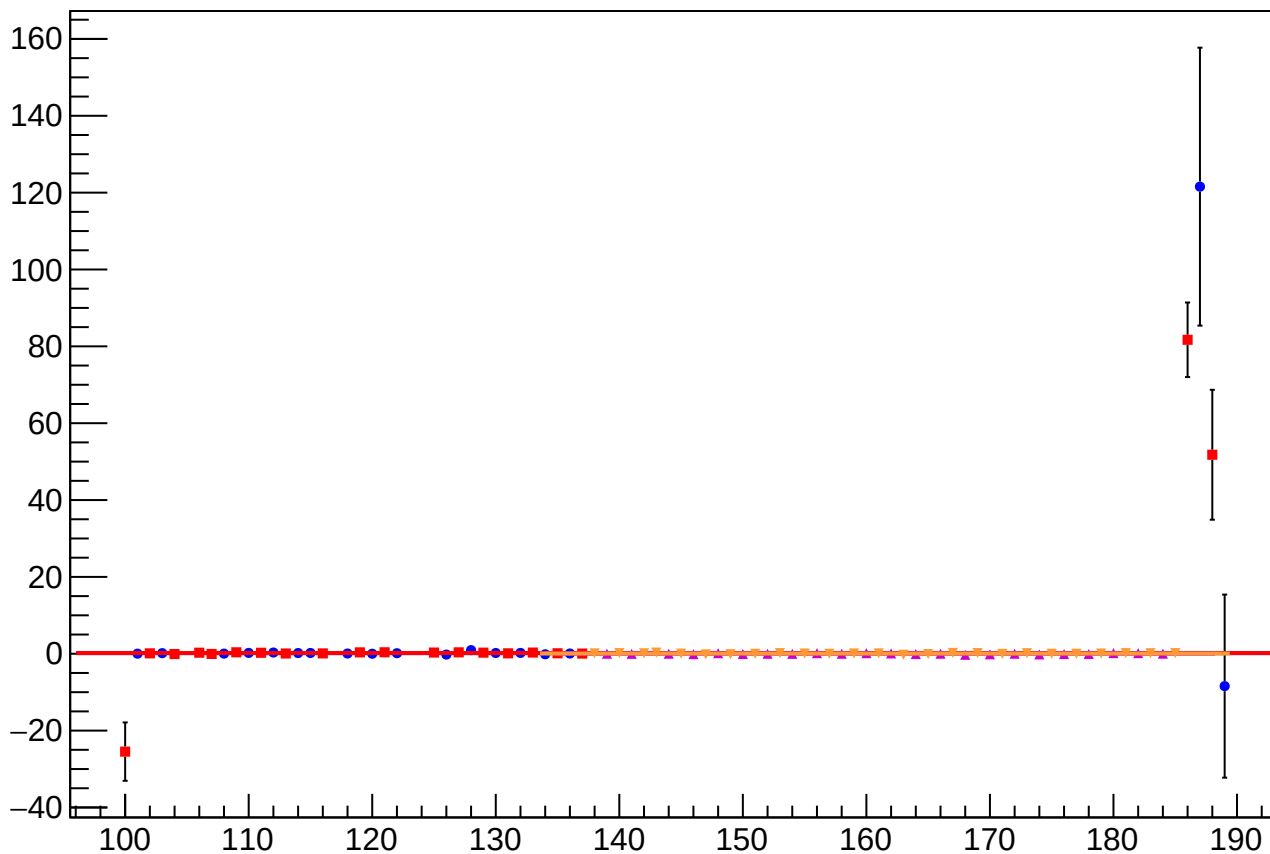
Right: 0.021 $\pm$ 0.017 χ^2 /NDF: 62.4/37

In: 0.006 $\pm$ 0.012 χ^2 /NDF:81.3/40

Out: 0.001 $\pm$ 0.012 χ^2 /NDF:62.3/44

All: 0.003 $\pm$ 0.009 χ^2 /NDF: 143.6/85

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 0.038 $\pm$ 0.013 χ^2 /NDF: 78.7/47

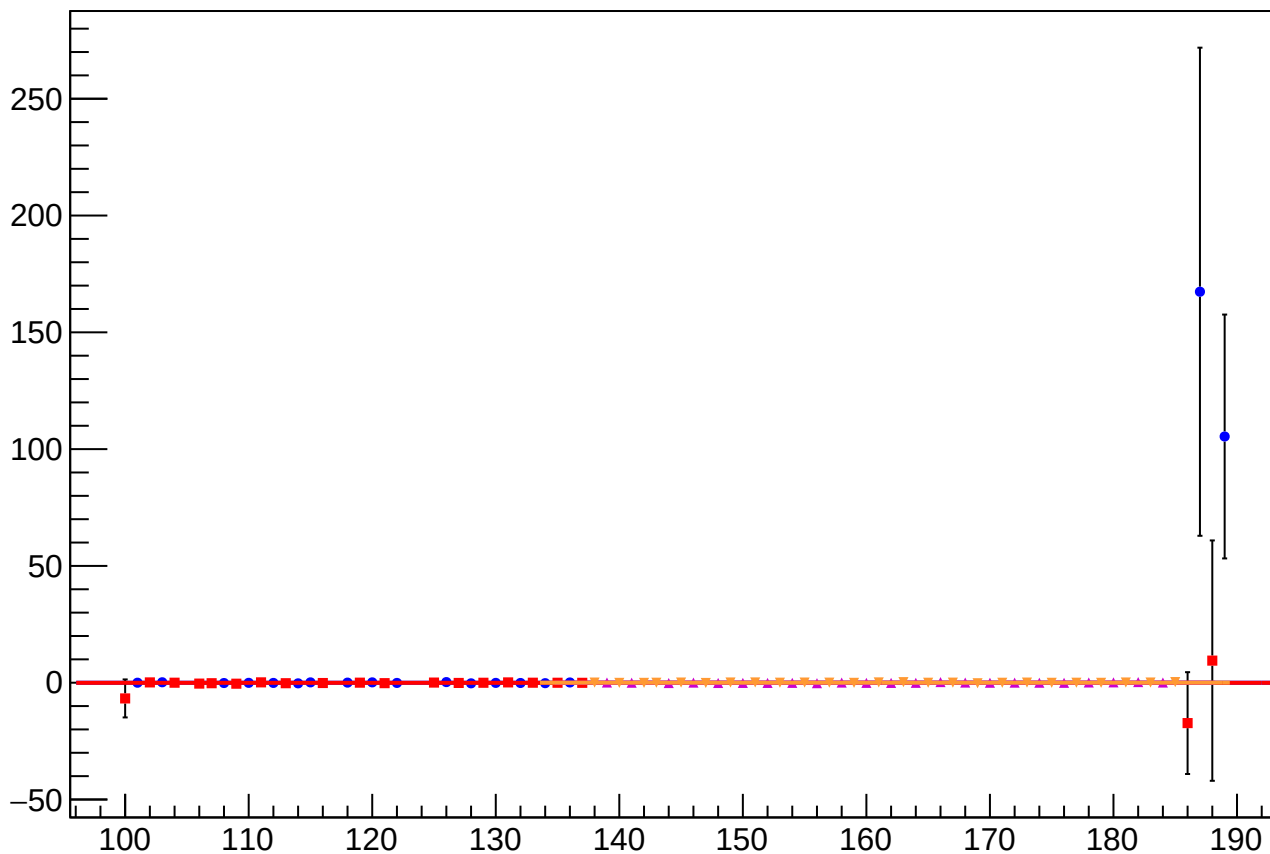
Right: 0.176 $\pm$ 0.031 χ^2 /NDF: 143.5/37

In: 0.040 $\pm$ 0.017 χ^2 /NDF:85.5/40

Out: 0.074 $\pm$ 0.016 χ^2 /NDF:151.5/44

All: 0.057 $\pm$ 0.012 χ^2 /NDF: 239.1/85

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 0.014 ± 0.011 χ^2/NDF : 84.0/47

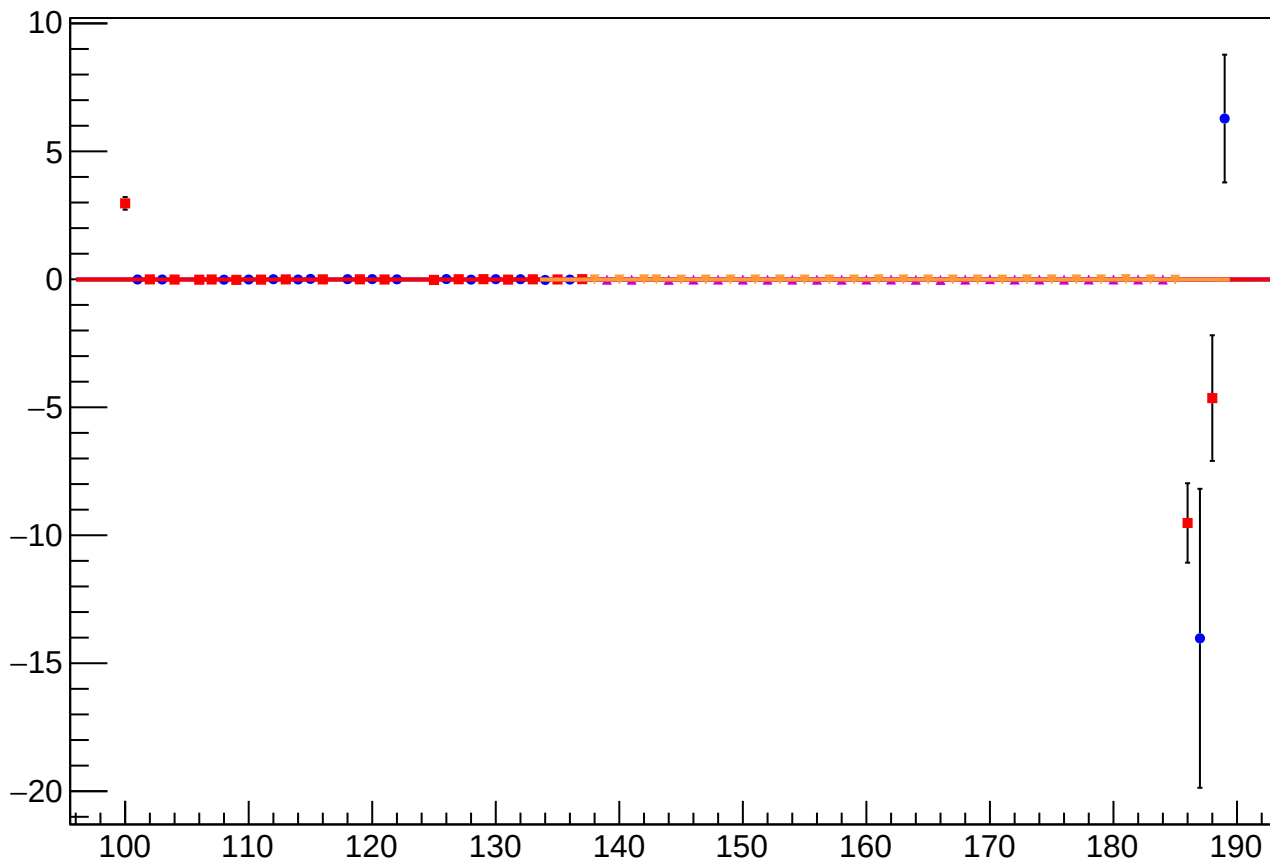
Right: -0.027 ± 0.020 χ^2/NDF : 59.0/37

In: 0.002 ± 0.014 χ^2/NDF : 81.6/40

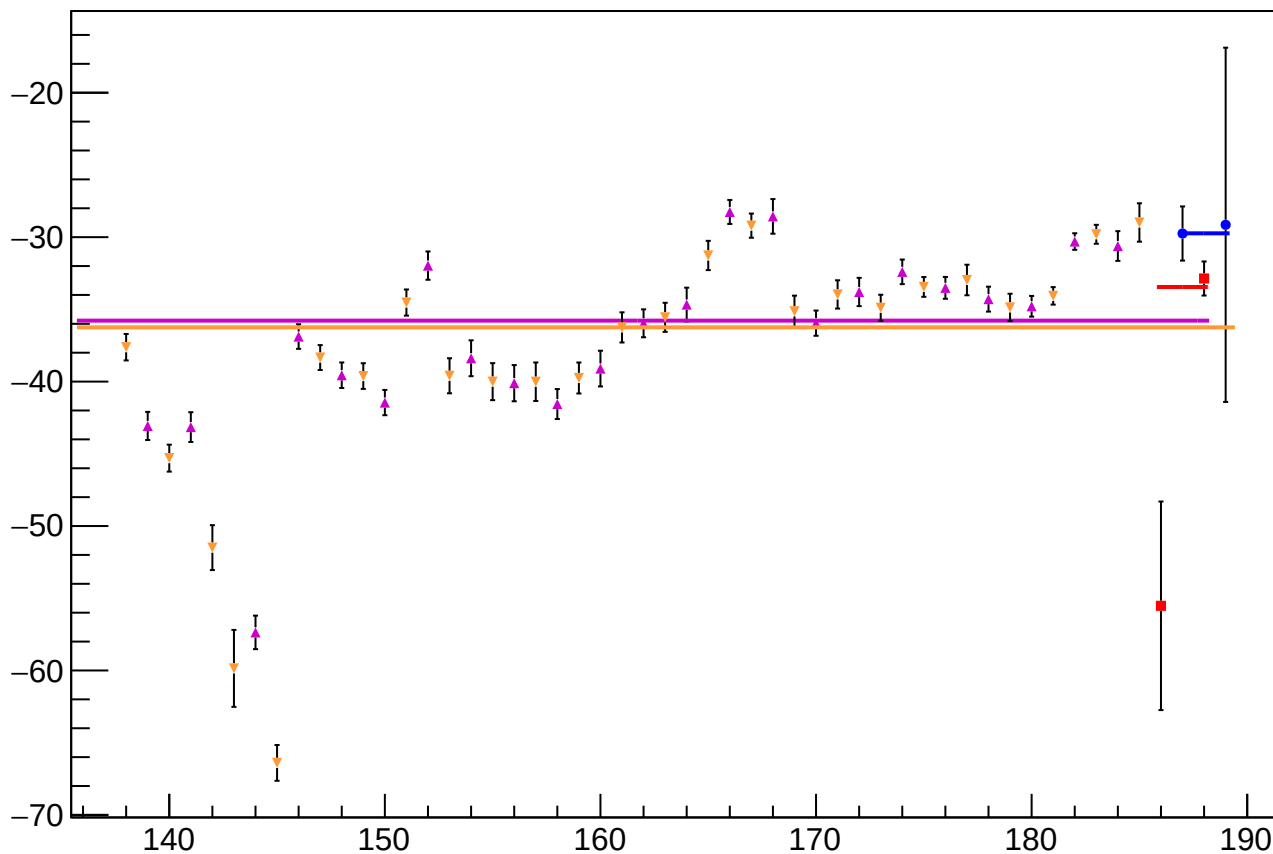
Out: 0.005 ± 0.014 χ^2/NDF : 64.6/44

All: 0.003 ± 0.010 χ^2/NDF : 146.2/85

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -36.011 ± 0.135 χ^2/NDF : 2050.9/47

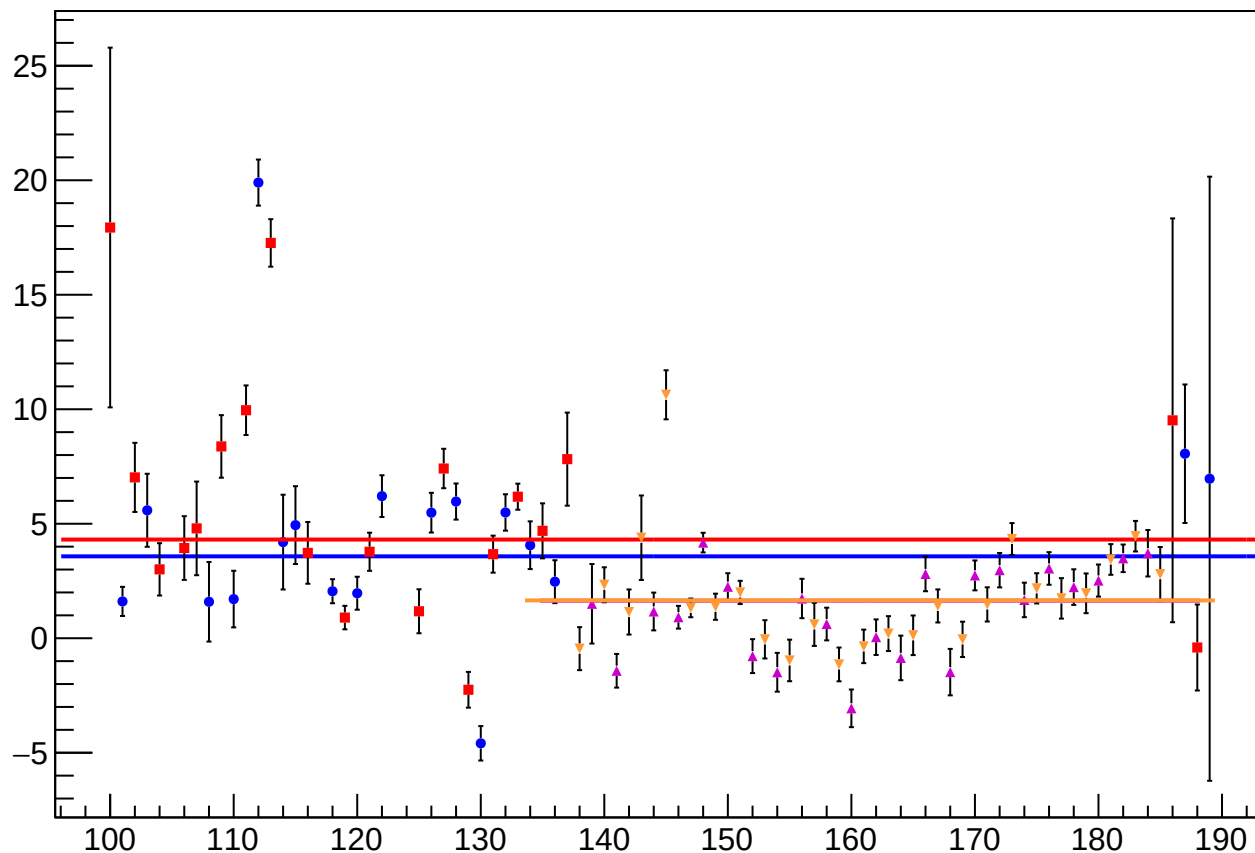
Right: -32.399 ± 0.986 χ^2/NDF : 12.5/3

In: -35.715 ± 0.190 χ^2/NDF : 864.6/24

Out: -36.169 ± 0.189 χ^2/NDF : 1209.1/26

All: -35.944 ± 0.134 χ^2/NDF : 2076.6/51

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.577 $\pm$ 0.220 χ^2 /NDF: 442.2/17

Left Out: 1.652 $\pm$ 0.147 χ^2 /NDF:168.8/24

Right Out: 4.310 $\pm$ 0.224 χ^2 /NDF: 359.9/19

Left In: 1.641 $\pm$ 0.150 χ^2 /NDF:163.2/22

Left: 1.647 $\pm$ 0.105 χ^2 /NDF: 332.0/47

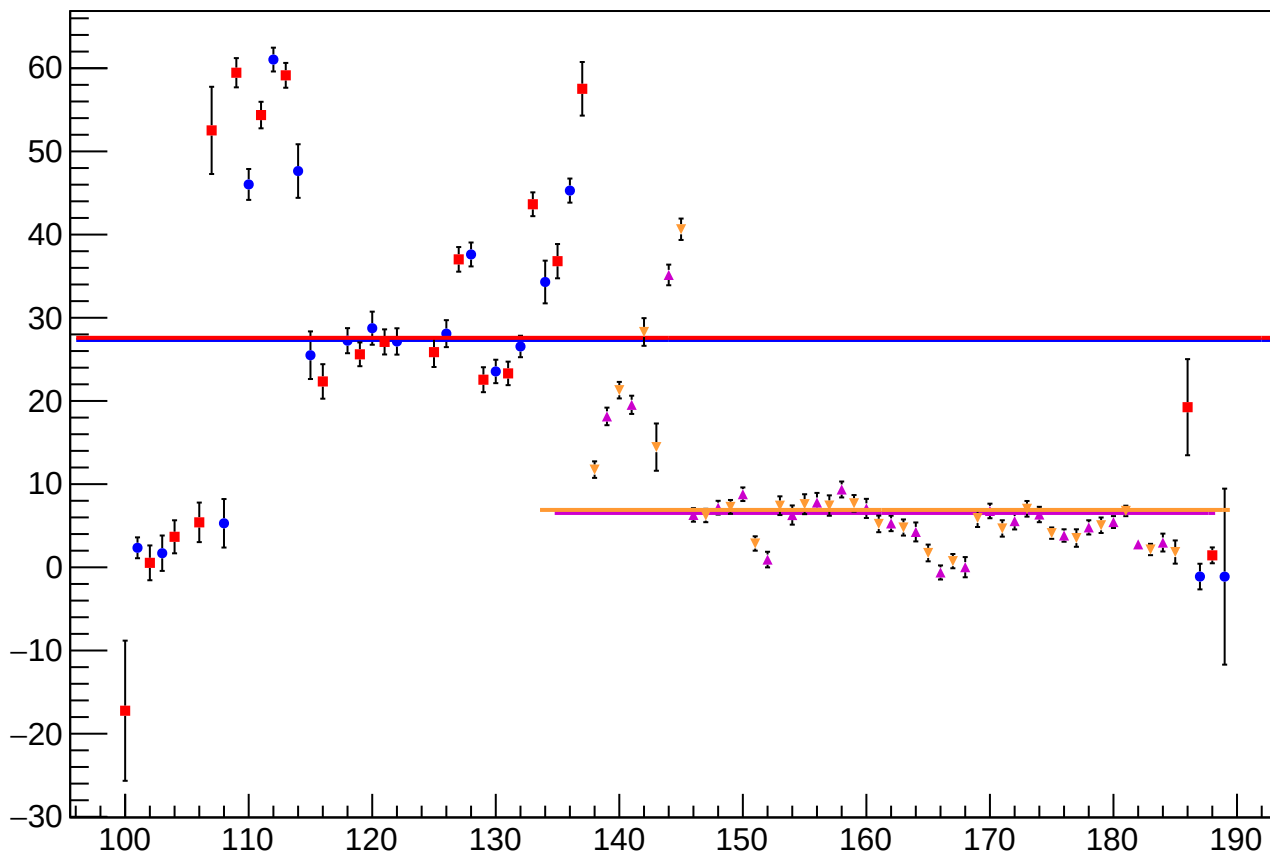
Right: 3.938 $\pm$ 0.157 χ^2 /NDF: 807.5/37

In: 2.252 $\pm$ 0.124 χ^2 /NDF:658.3/40

Out: 2.457 $\pm$ 0.123 χ^2 /NDF:627.2/44

All: 2.355 $\pm$ 0.087 χ^2 /NDF: 1286.9/85

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 6.718 $\pm$ 0.135 χ^2 /NDF: 2329.7/47

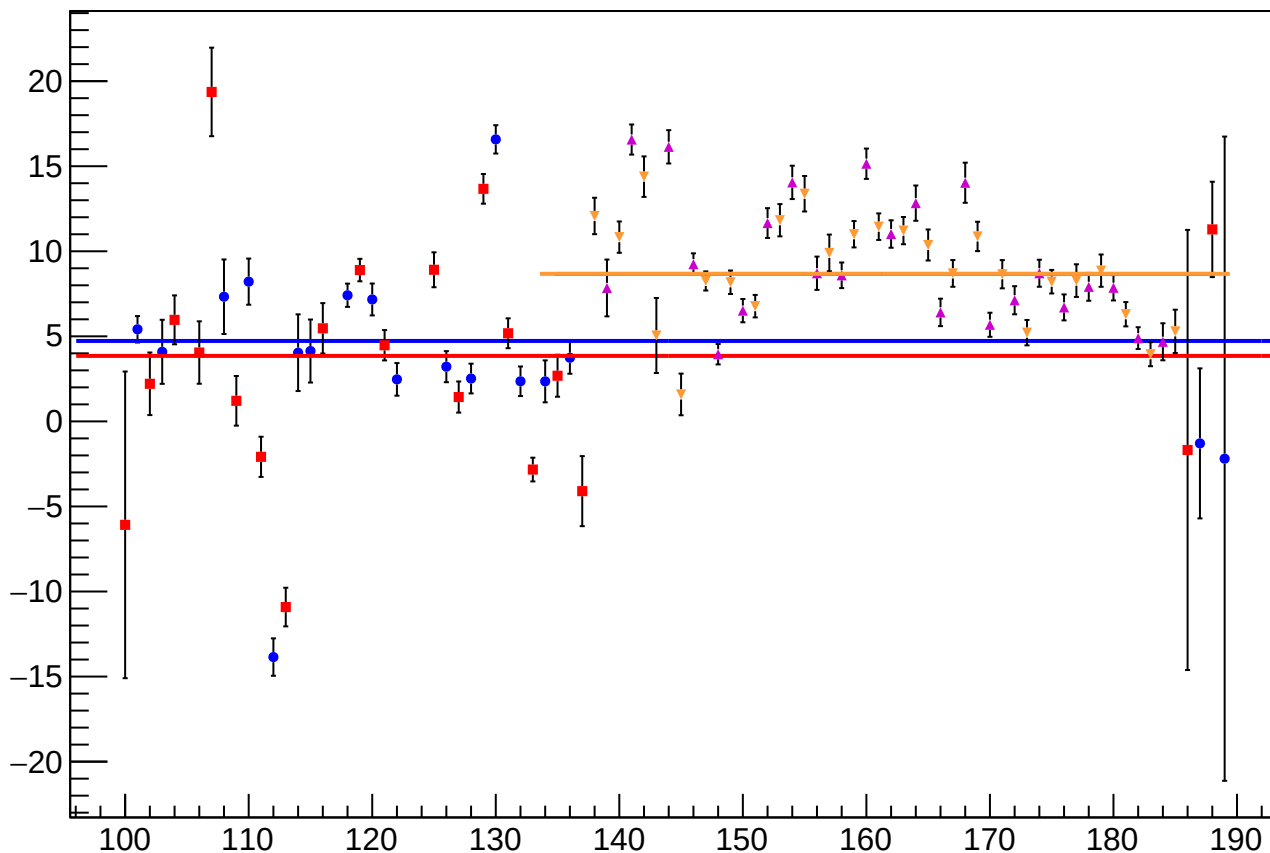
Right: 27.466 $\pm$ 0.280 χ^2 /NDF: 4429.3/37

In: 10.297 $\pm$ 0.172 χ^2 /NDF:5046.5/40

Out: 10.963 $\pm$ 0.171 χ^2 /NDF:6173.0/44

All: 10.632 $\pm$ 0.121 χ^2 /NDF: 11227.0/85

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 8.671 ± 0.120 χ^2/NDF : 680.4/47

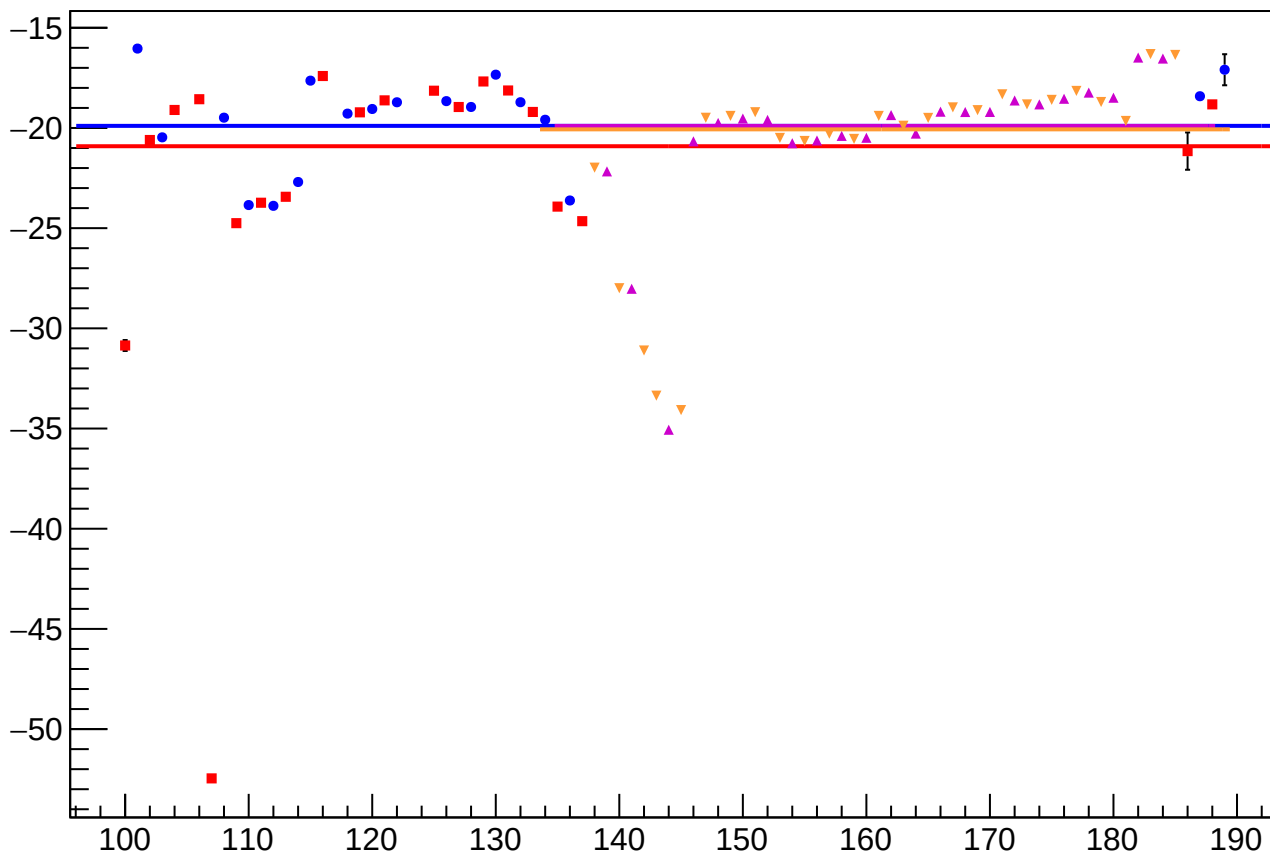
Right: 4.296 ± 0.181 χ^2/NDF : 1126.5/37

In: 7.448 ± 0.141 χ^2/NDF : 1151.2/40

Out: 7.230 ± 0.141 χ^2/NDF : 1060.9/44

All: 7.339 ± 0.100 χ^2/NDF : 2213.3/85

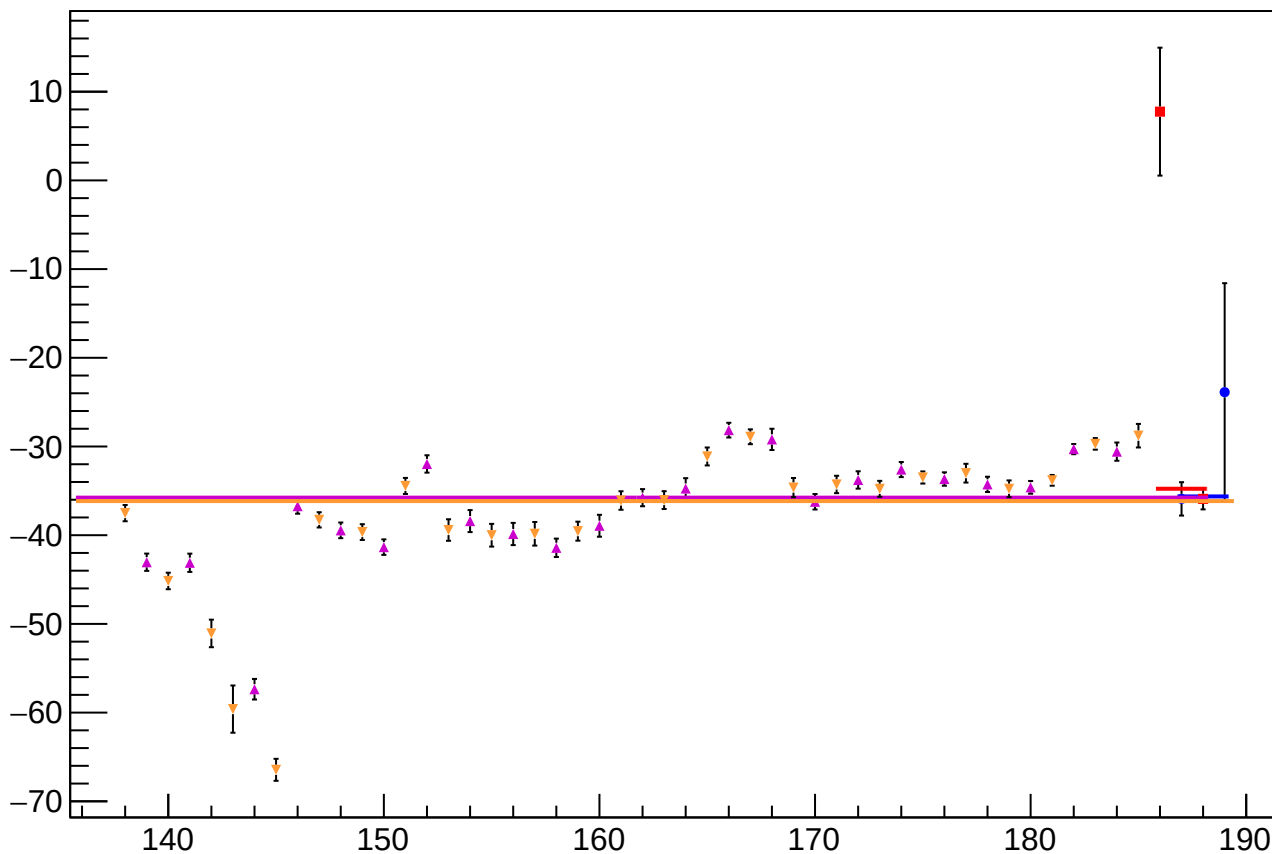
reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 144191.9/22$

Left: -19.983 ± 0.006 $\chi^2/\text{NDF}: 329802.7/47$
 Right: -20.402 ± 0.011 $\chi^2/\text{NDF}: 122382.8/37$
 In: -19.897 ± 0.007 $\chi^2/\text{NDF}: 170260.2/40$
 Out: -20.239 ± 0.007 $\chi^2/\text{NDF}: 281886.6/44$
 All: -20.068 ± 0.005 $\chi^2/\text{NDF}: 453332.7/85$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -35.959 ± 0.135 χ^2/NDF : 2043.8/47

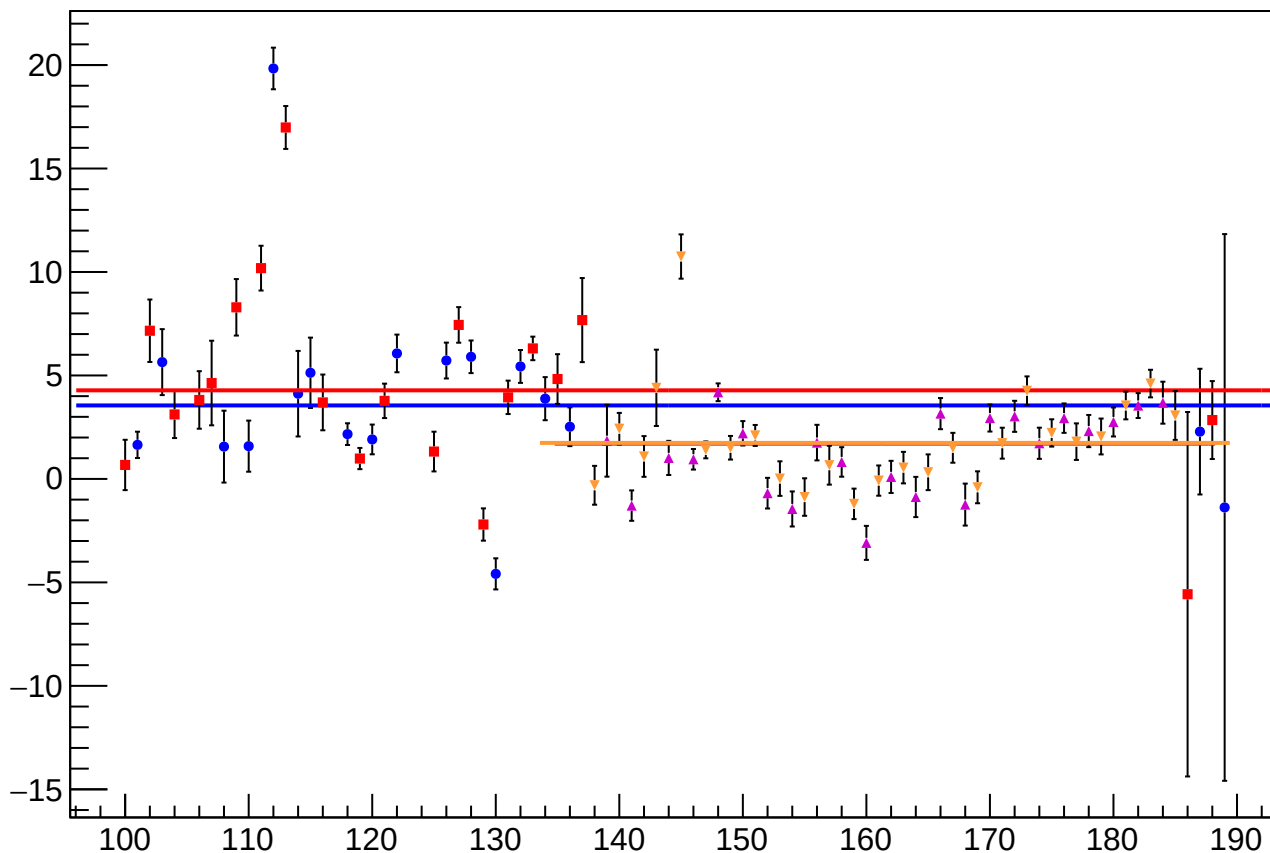
Right: -35.008 ± 0.989 χ^2/NDF : 36.8/3

In: -35.765 ± 0.190 χ^2/NDF : 843.5/24

Out: -36.116 ± 0.189 χ^2/NDF : 1236.3/26

All: -35.942 ± 0.134 χ^2/NDF : 2081.5/51

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.551 ± 0.220 $\chi^2/\text{NDF}: 437.4/17$

Left Out: 1.741 ± 0.147 $\chi^2/\text{NDF}: 170.2/24$

Right Out: 4.281 ± 0.220 $\chi^2/\text{NDF}: 354.0/19$

Left In: 1.705 ± 0.149 $\chi^2/\text{NDF}: 163.0/22$

Left: 1.723 ± 0.105 $\chi^2/\text{NDF}: 333.2/47$

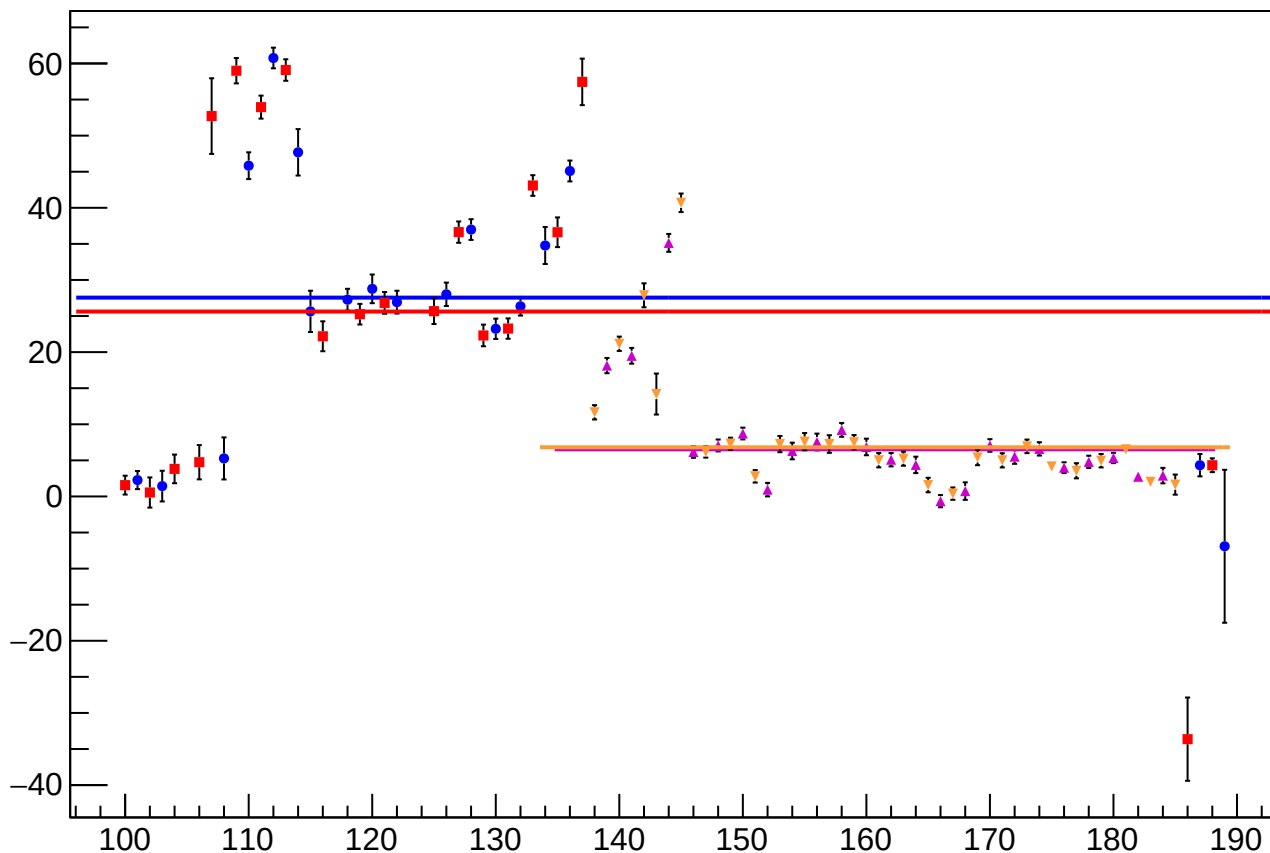
Right: 3.916 ± 0.155 $\chi^2/\text{NDF}: 796.9/37$

In: 2.288 ± 0.124 $\chi^2/\text{NDF}: 648.6/40$

Out: 2.527 ± 0.122 $\chi^2/\text{NDF}: 616.4/44$

All: 2.409 ± 0.087 $\chi^2/\text{NDF}: 1266.9/85$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 6.672 $\pm$ 0.135 χ^2 /NDF: 2323.7/47

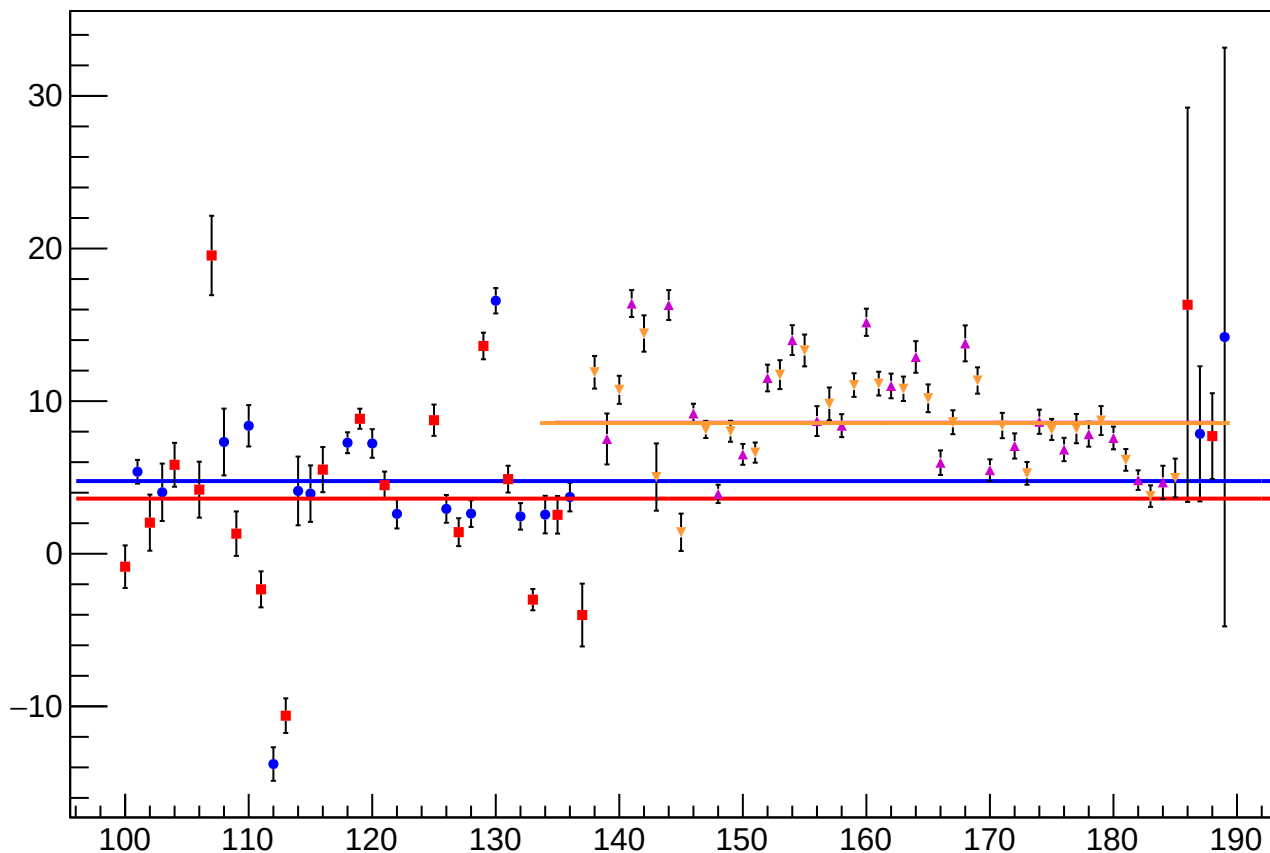
Right: 26.502 $\pm$ 0.273 χ^2 /NDF: 4582.0/37

In: 10.332 $\pm$ 0.172 χ^2 /NDF:4961.6/40

Out: 10.754 $\pm$ 0.170 χ^2 /NDF:6172.1/44

All: 10.546 $\pm$ 0.121 χ^2 /NDF: 11136.8/85

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 441.8/22$

Left: 8.575 ± 0.120 $\chi^2/\text{NDF}: 689.9/47$

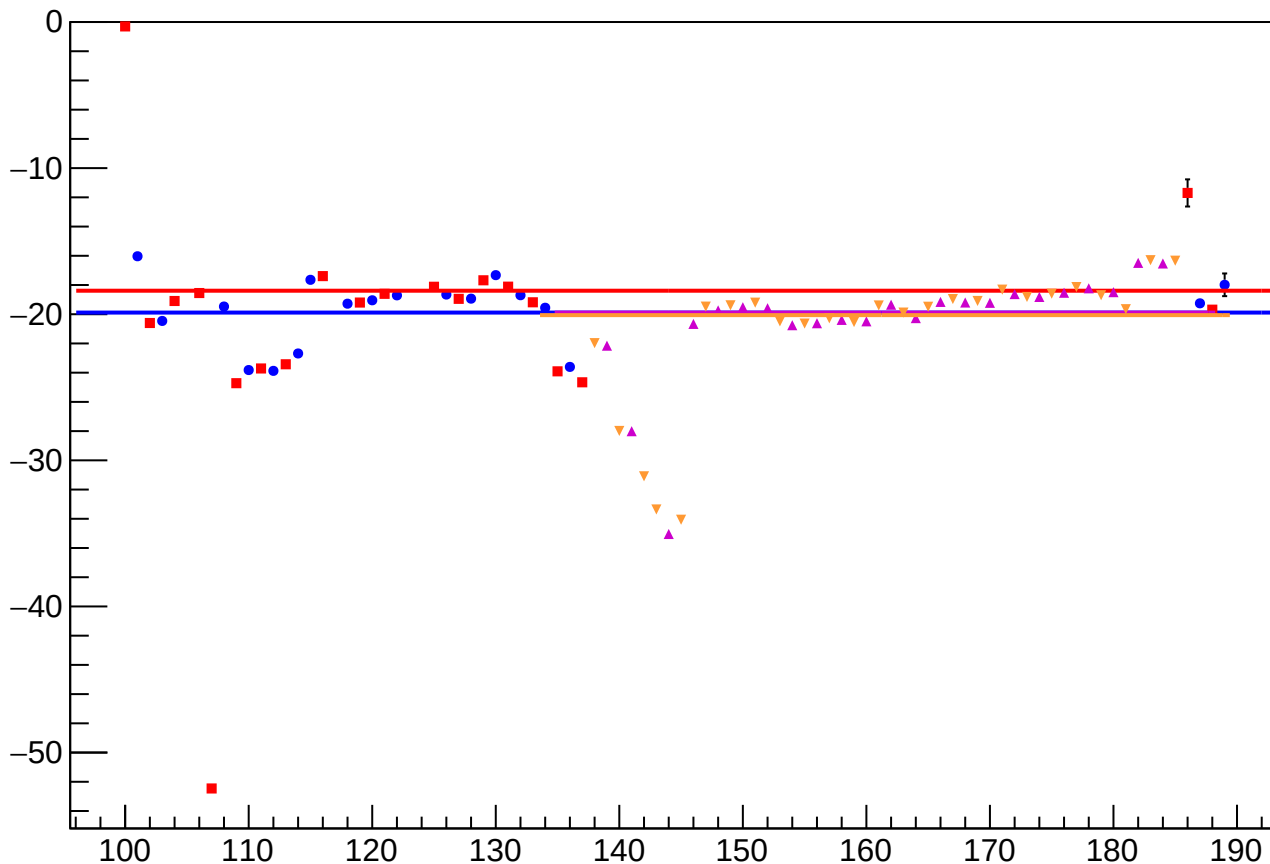
Right: 4.186 ± 0.179 $\chi^2/\text{NDF}: 1127.5/37$

In: 7.401 ± 0.141 $\chi^2/\text{NDF}: 1142.2/40$

Out: 7.048 ± 0.140 $\chi^2/\text{NDF}: 1086.4/44$

All: 7.223 ± 0.100 $\chi^2/\text{NDF}: 2231.7/85$

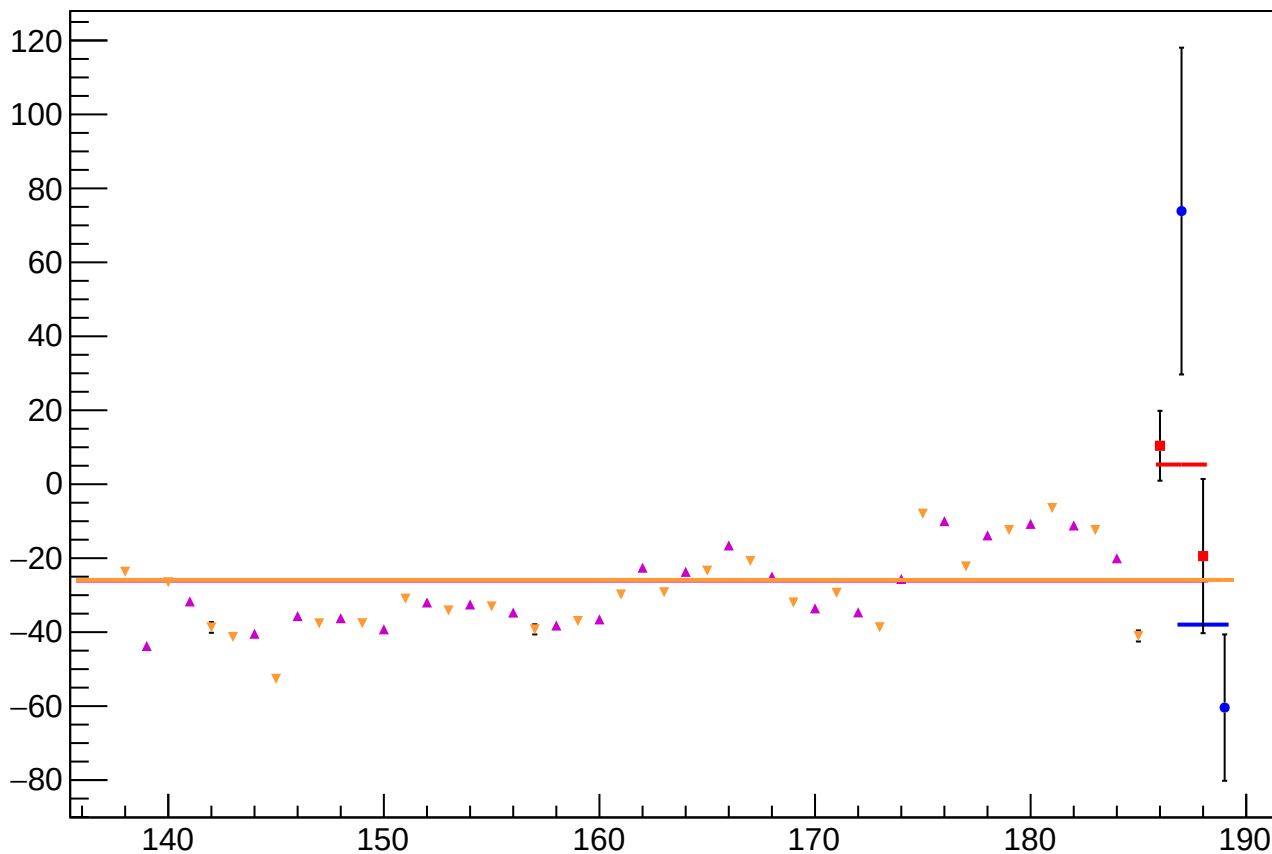
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 144055.2/22$

Left: -19.976 ± 0.006 $\chi^2/\text{NDF}: 329872.6/47$
 Right: -19.092 ± 0.011 $\chi^2/\text{NDF}: 332032.3/37$
 In: -19.890 ± 0.007 $\chi^2/\text{NDF}: 170076.7/40$
 Out: -19.689 ± 0.007 $\chi^2/\text{NDF}: 496782.6/44$
 All: -19.788 ± 0.005 $\chi^2/\text{NDF}: 667274.6/85$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected

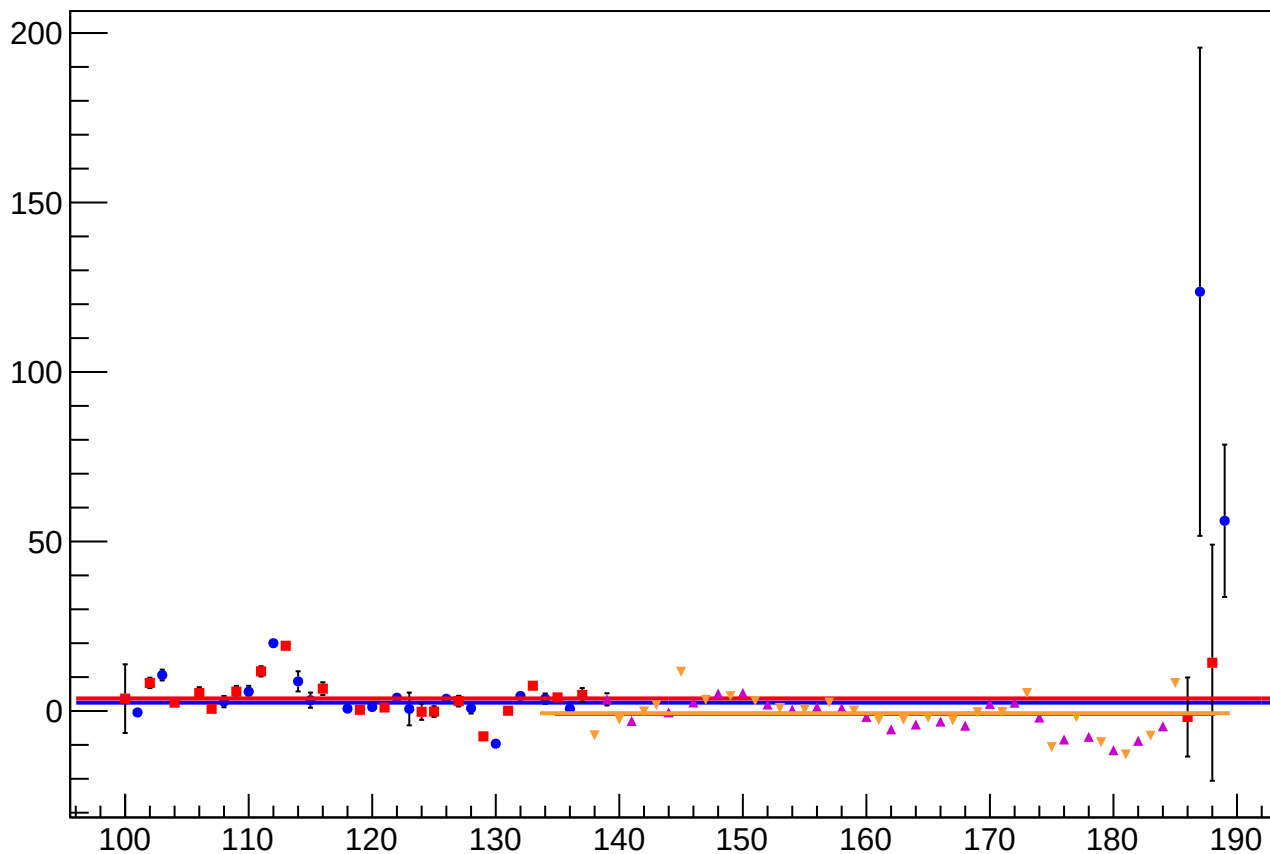


Right In: -37.963 ± 18.063 $\chi^2/\text{NDF}: 7.7/1$
 Left Out: -25.884 ± 0.192 $\chi^2/\text{NDF}: 4158.0/24$
 Right Out: 5.323 ± 8.605 $\chi^2/\text{NDF}: 1.7/1$
 Left In: -26.052 ± 0.195 $\chi^2/\text{NDF}: 3279.5/22$

Left: -25.967 ± 0.137 $\chi^2/\text{NDF}: 7437.8/47$
 Right: -2.684 ± 7.769 $\chi^2/\text{NDF}: 14.1/3$
 In: -26.053 ± 0.195 $\chi^2/\text{NDF}: 3287.6/24$
 Out: -25.869 ± 0.192 $\chi^2/\text{NDF}: 4172.8/26$

All: -25.960 ± 0.137 $\chi^2/\text{NDF}: 7460.9/51$

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.467 ± 0.315 $\chi^2/\text{NDF}: 302.8/18$

Left Out: -0.654 ± 0.146 $\chi^2/\text{NDF}: 1320.8/24$

Right Out: 3.710 ± 0.327 $\chi^2/\text{NDF}: 269.4/20$

Left In: -0.863 ± 0.150 $\chi^2/\text{NDF}: 1066.5/22$

Left: -0.756 ± 0.105 $\chi^2/\text{NDF}: 2388.3/47$

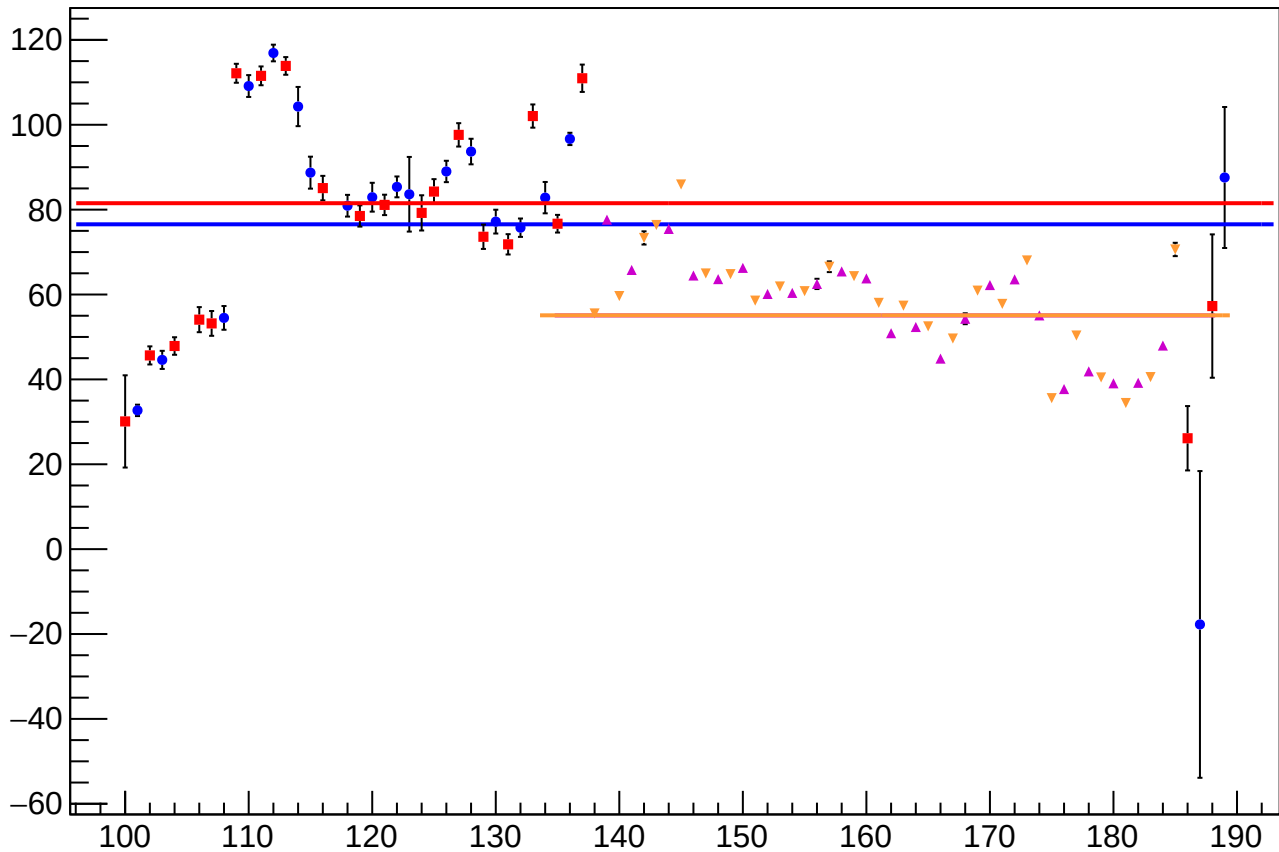
Right: 3.066 ± 0.227 $\chi^2/\text{NDF}: 579.7/39$

In: -0.244 ± 0.136 $\chi^2/\text{NDF}: 1460.5/41$

Out: 0.074 ± 0.133 $\chi^2/\text{NDF}: 1739.0/45$

All: -0.082 ± 0.095 $\chi^2/\text{NDF}: 3202.3/87$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 55.084 $\pm$ 0.136 χ^2 /NDF: 8282.1/47

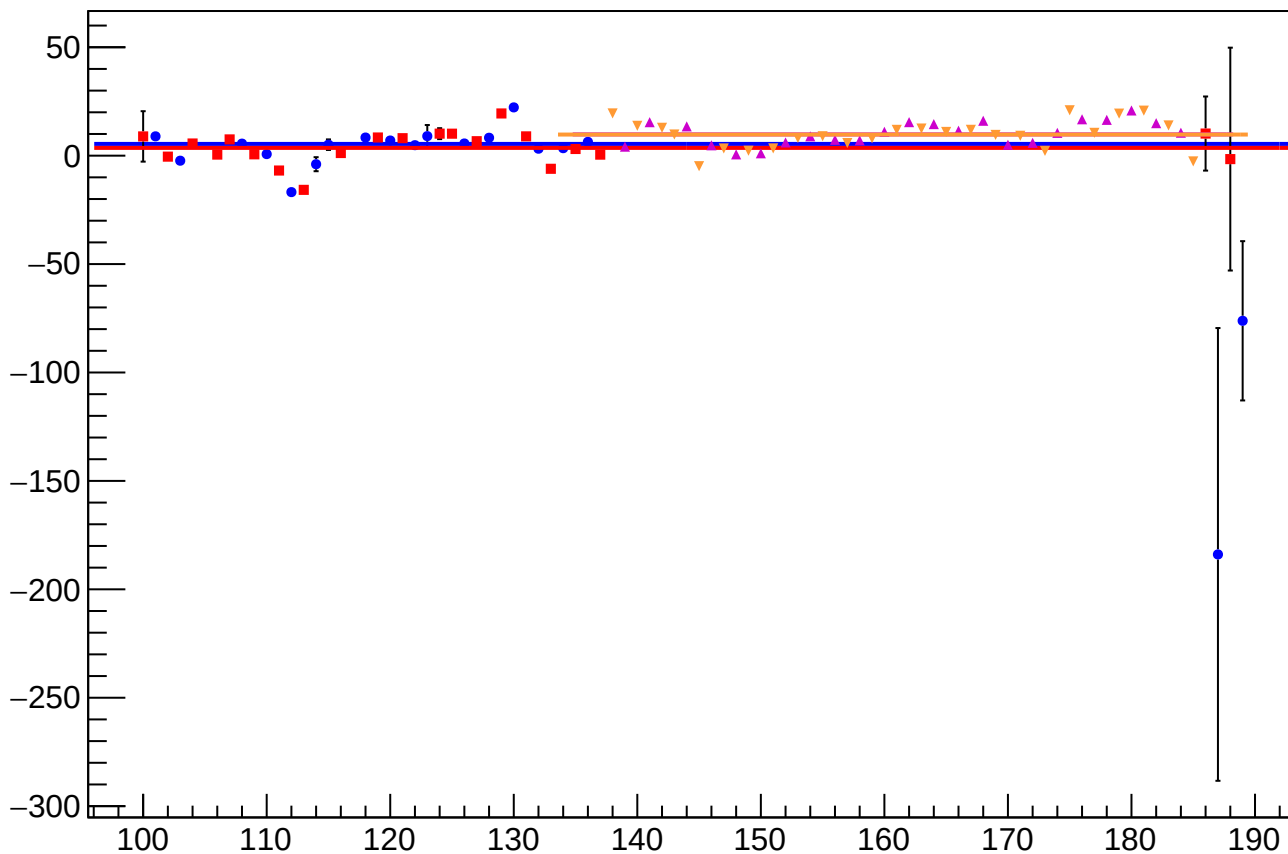
Right: 78.970 $\pm$ 0.413 χ^2 /NDF: 3922.9/39

In: 57.244 $\pm$ 0.183 χ^2 /NDF: 7209.8/41

Out: 57.610 $\pm$ 0.182 χ^2 /NDF: 8016.0/45

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15227.9/87

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.418 $\pm$ 0.361 χ^2 /NDF: 393.9/18

Left Out: 9.737 $\pm$ 0.168 χ^2 /NDF:1450.2/24

Right Out: 3.585 $\pm$ 0.375 χ^2 /NDF: 421.8/20

Left In: 9.803 $\pm$ 0.172 χ^2 /NDF:1158.7/22

Left: 9.769 $\pm$ 0.120 χ^2 /NDF: 2609.0/47

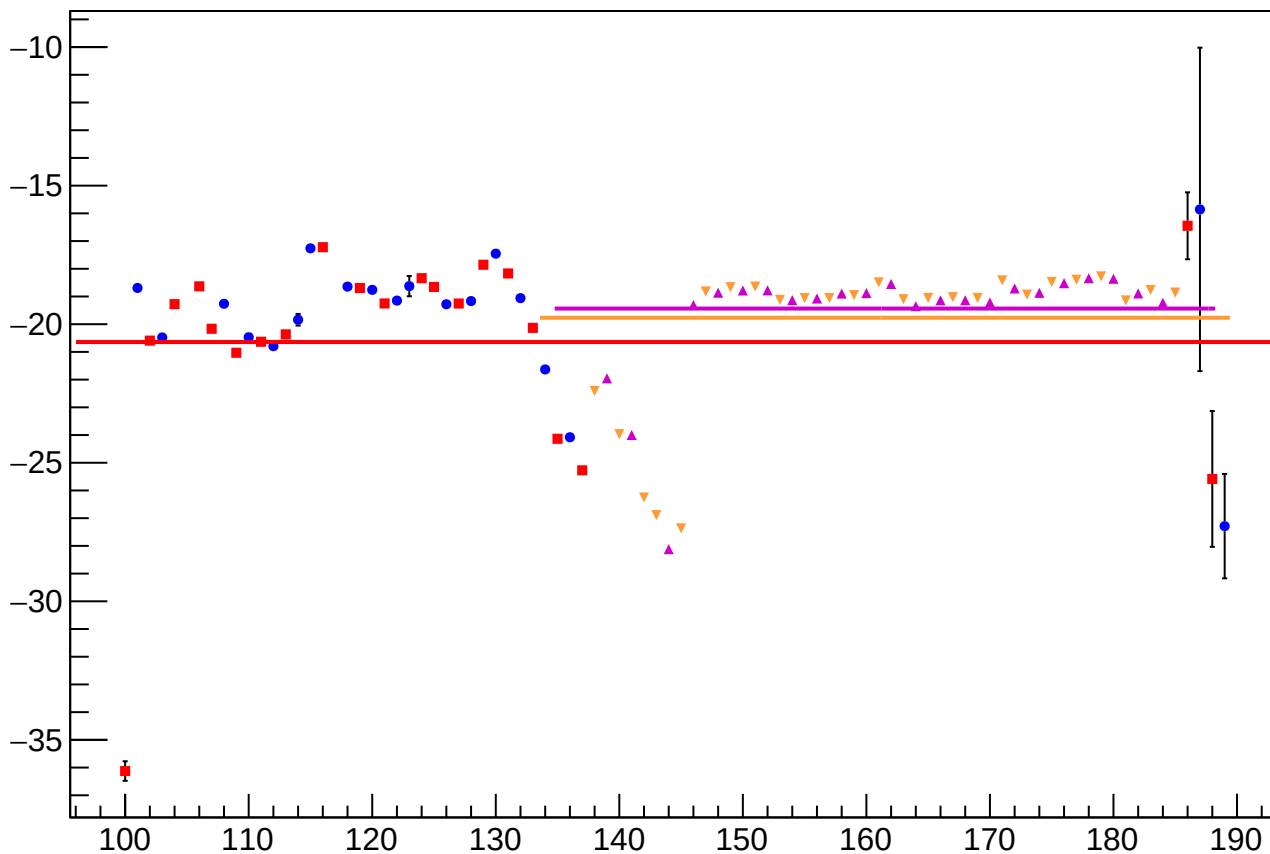
Right: 4.538 $\pm$ 0.260 χ^2 /NDF: 828.0/39

In: 8.994 $\pm$ 0.155 χ^2 /NDF:1673.1/41

Out: 8.713 $\pm$ 0.153 χ^2 /NDF:2095.8/45

All: 8.852 $\pm$ 0.109 χ^2 /NDF: 3770.5/87

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -19.603 ± 0.006 χ^2/NDF : 145665.0/47

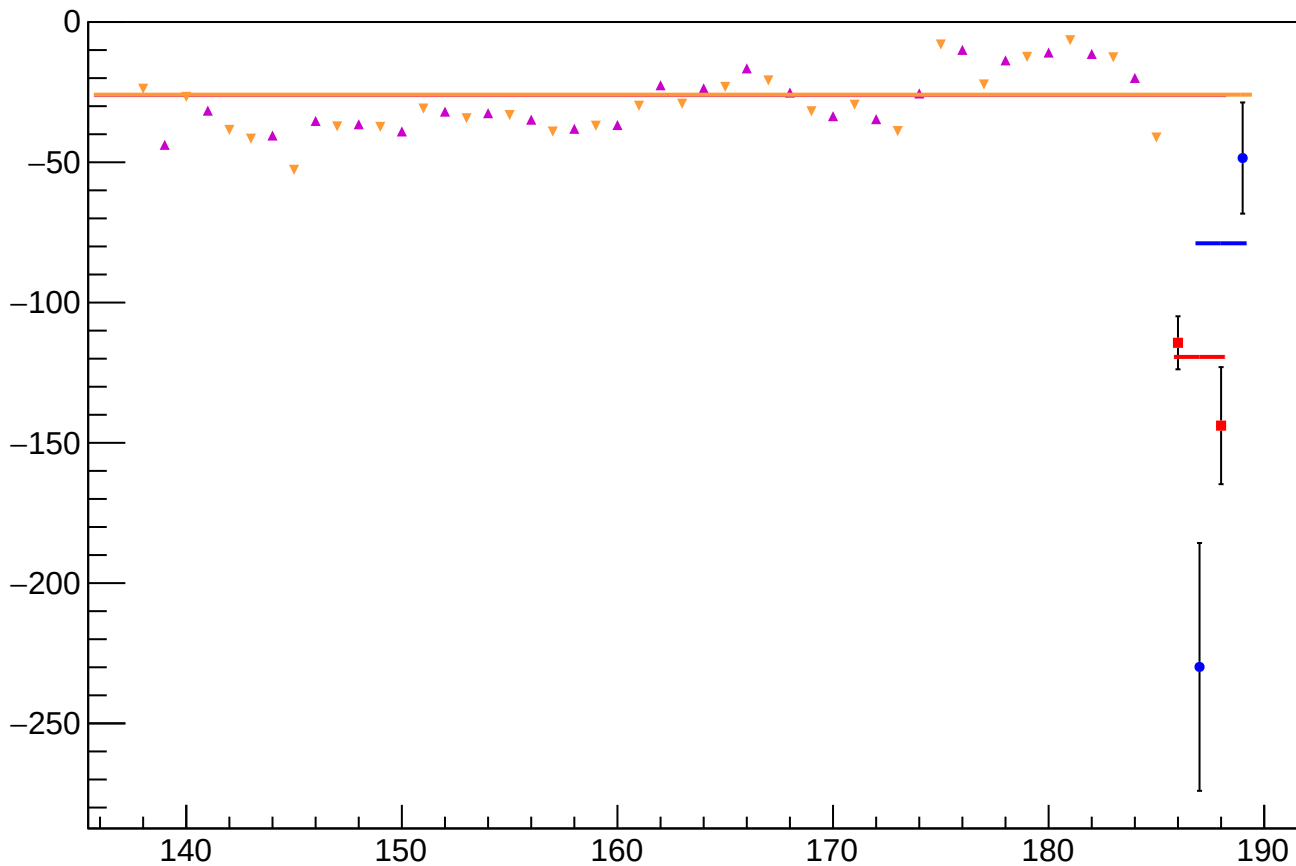
Right: -20.642 ± 0.014 χ^2/NDF : 26239.4/39

In: -19.610 ± 0.007 χ^2/NDF : 68948.6/41

Out: -19.890 ± 0.007 χ^2/NDF : 107143.2/45

All: -19.751 ± 0.005 χ^2/NDF : 176820.3/87

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -78.877 ± 18.079 $\chi^2/\text{NDF}: 14.0/1$

Left Out: -25.899 ± 0.192 $\chi^2/\text{NDF}: 4127.5/24$

Right Out: -119.370 ± 8.611 $\chi^2/\text{NDF}: 1.7/1$

Left In: -26.046 ± 0.195 $\chi^2/\text{NDF}: 3246.7/22$

Left: -25.971 ± 0.137 $\chi^2/\text{NDF}: 7374.6/47$

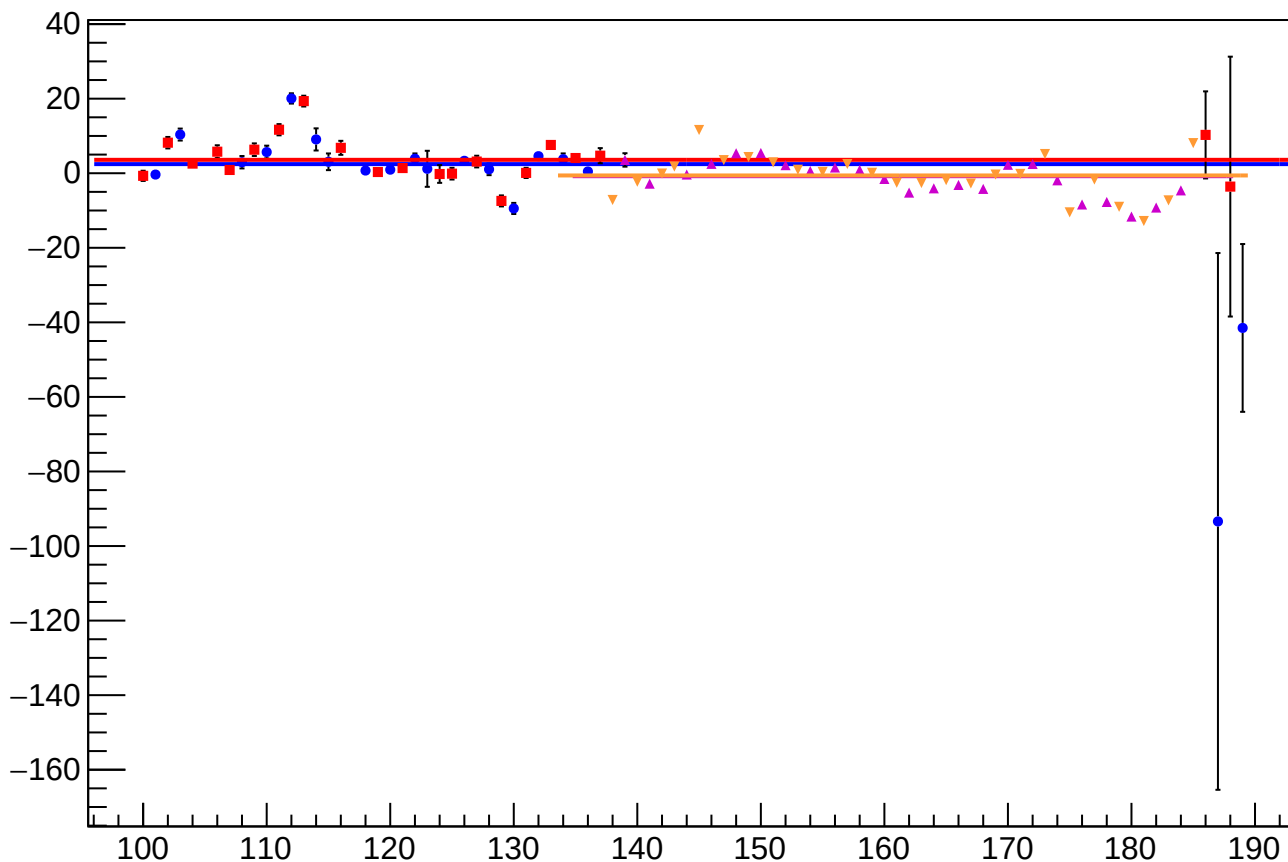
Right: -111.882 ± 7.774 $\chi^2/\text{NDF}: 19.8/3$

In: -26.052 ± 0.195 $\chi^2/\text{NDF}: 3269.3/24$

Out: -25.945 ± 0.192 $\chi^2/\text{NDF}: 4247.0/26$

All: -25.998 ± 0.137 $\chi^2/\text{NDF}: 7516.4/51$

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: -0.693 ± 0.105 χ^2/NDF : 2417.9/47

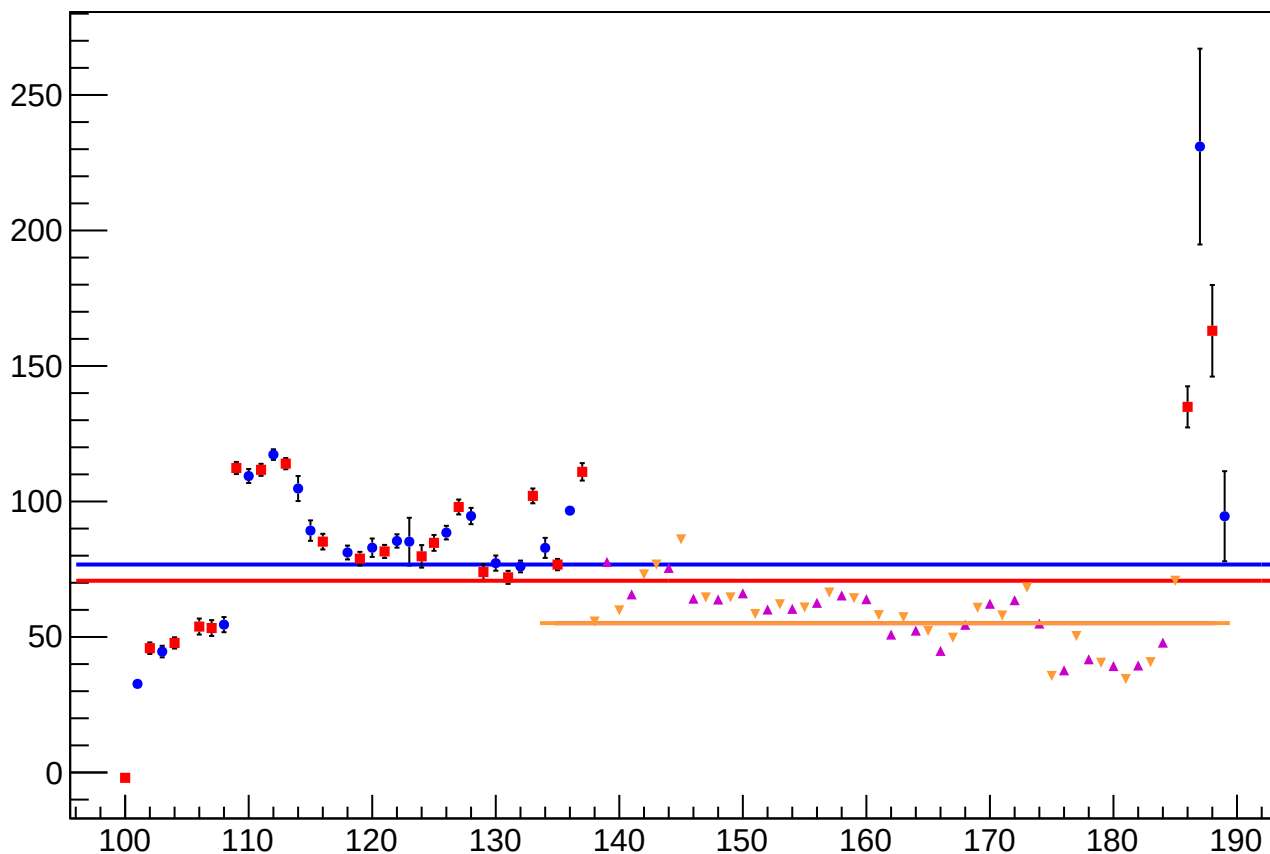
Right: 3.015 ± 0.224 χ^2/NDF : 584.9/39

In: -0.192 ± 0.136 χ^2/NDF : 1490.3/41

Out: 0.136 ± 0.133 χ^2/NDF : 1734.6/45

All: -0.024 ± 0.095 χ^2/NDF : 3227.9/87

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 55.103 $\pm$ 0.136 χ^2/NDF : 8224.8/47

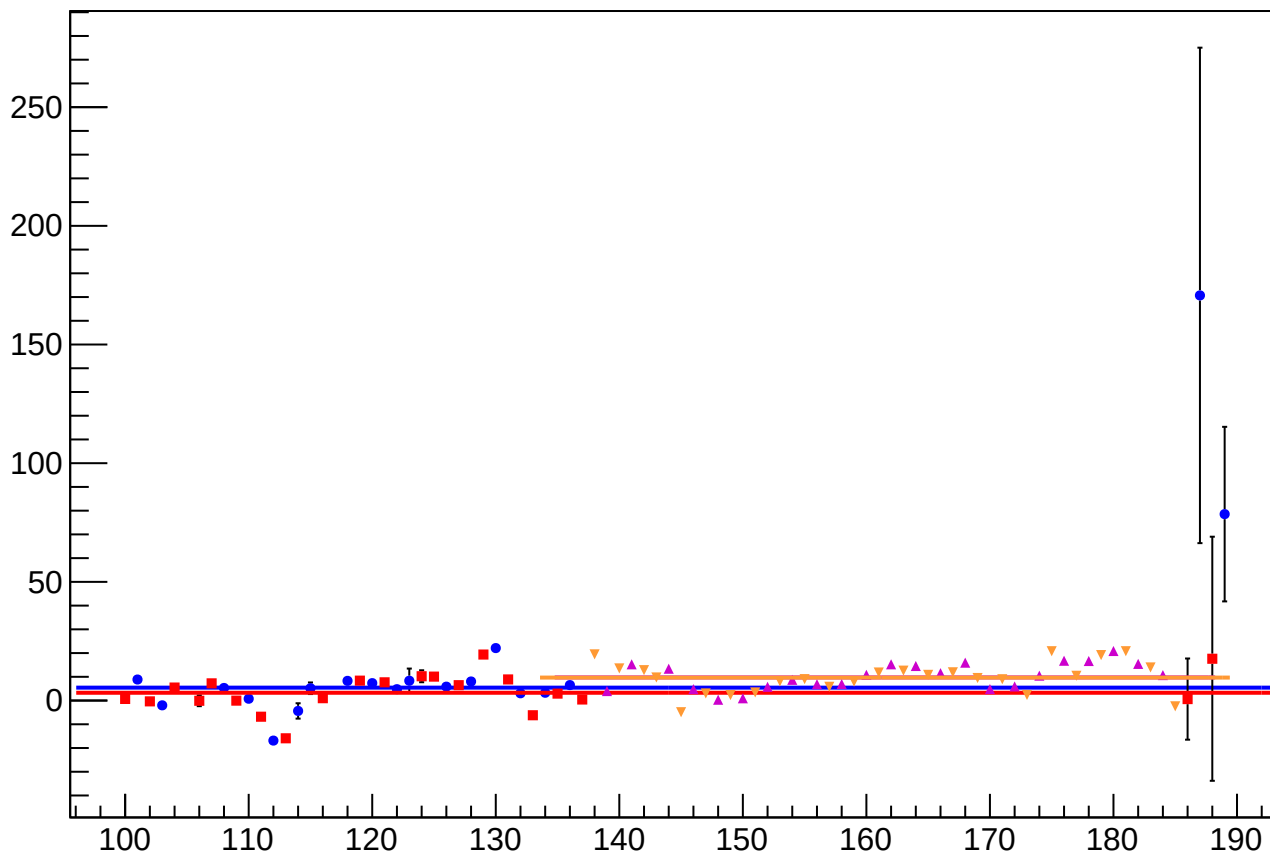
Right: 73.595 $\pm$ 0.398 χ^2/NDF : 6829.8/39

In: 57.285 $\pm$ 0.184 χ^2/NDF : 7214.0/41

Out: 56.810 $\pm$ 0.181 χ^2/NDF : 9773.3/45

All: 57.044 $\pm$ 0.129 χ^2/NDF : 16990.7/87

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.437 ± 0.361 $\chi^2/\text{NDF}: 390.7/18$

Left Out: 9.675 ± 0.168 $\chi^2/\text{NDF}: 1441.3/24$

Right Out: 3.279 ± 0.366 $\chi^2/\text{NDF}: 425.1/20$

Left In: 9.738 ± 0.172 $\chi^2/\text{NDF}: 1191.1/22$

Left: 9.706 ± 0.120 $\chi^2/\text{NDF}: 2632.6/47$

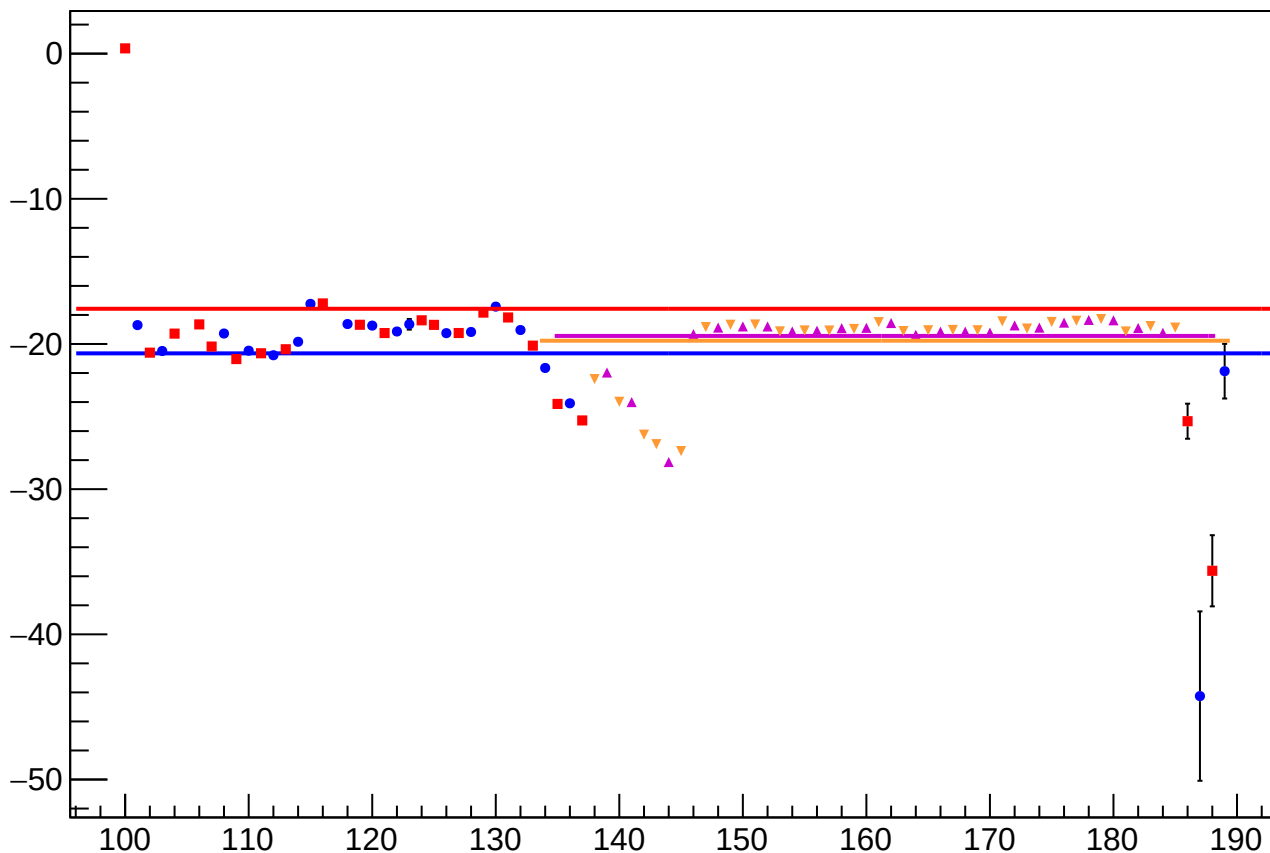
Right: 4.371 ± 0.257 $\chi^2/\text{NDF}: 833.4/39$

In: 8.944 ± 0.155 $\chi^2/\text{NDF}: 1697.5/41$

Out: 8.562 ± 0.153 $\chi^2/\text{NDF}: 2119.4/45$

All: 8.750 ± 0.109 $\chi^2/\text{NDF}: 3819.9/87$

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.645 $\pm$ 0.019 χ^2 /NDF: 12479.5/18

Left Out: -19.775 $\pm$ 0.008 χ^2 /NDF: 91510.1/24

Right Out: -17.574 $\pm$ 0.018 χ^2 /NDF: 178413.4/20

Left In: -19.445 $\pm$ 0.008 χ^2 /NDF: 53124.1/22

Left: -19.611 $\pm$ 0.006 χ^2 /NDF: 145502.5/47

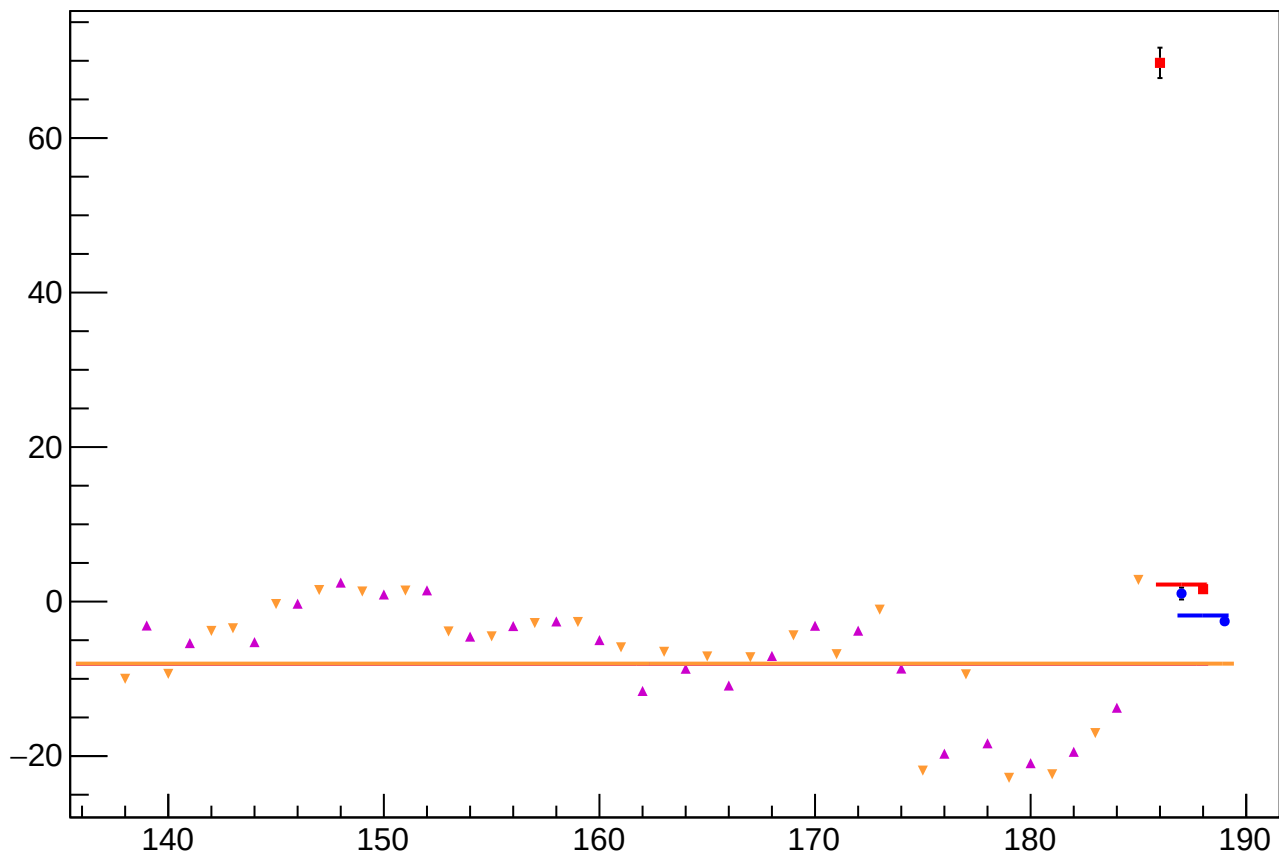
Right: -19.002 $\pm$ 0.013 χ^2 /NDF: 204361.8/39

In: -19.618 $\pm$ 0.007 χ^2 /NDF: 68894.1/41

Out: -19.422 $\pm$ 0.007 χ^2 /NDF: 282414.3/45

All: -19.518 $\pm$ 0.005 χ^2 /NDF: 351671.3/87

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



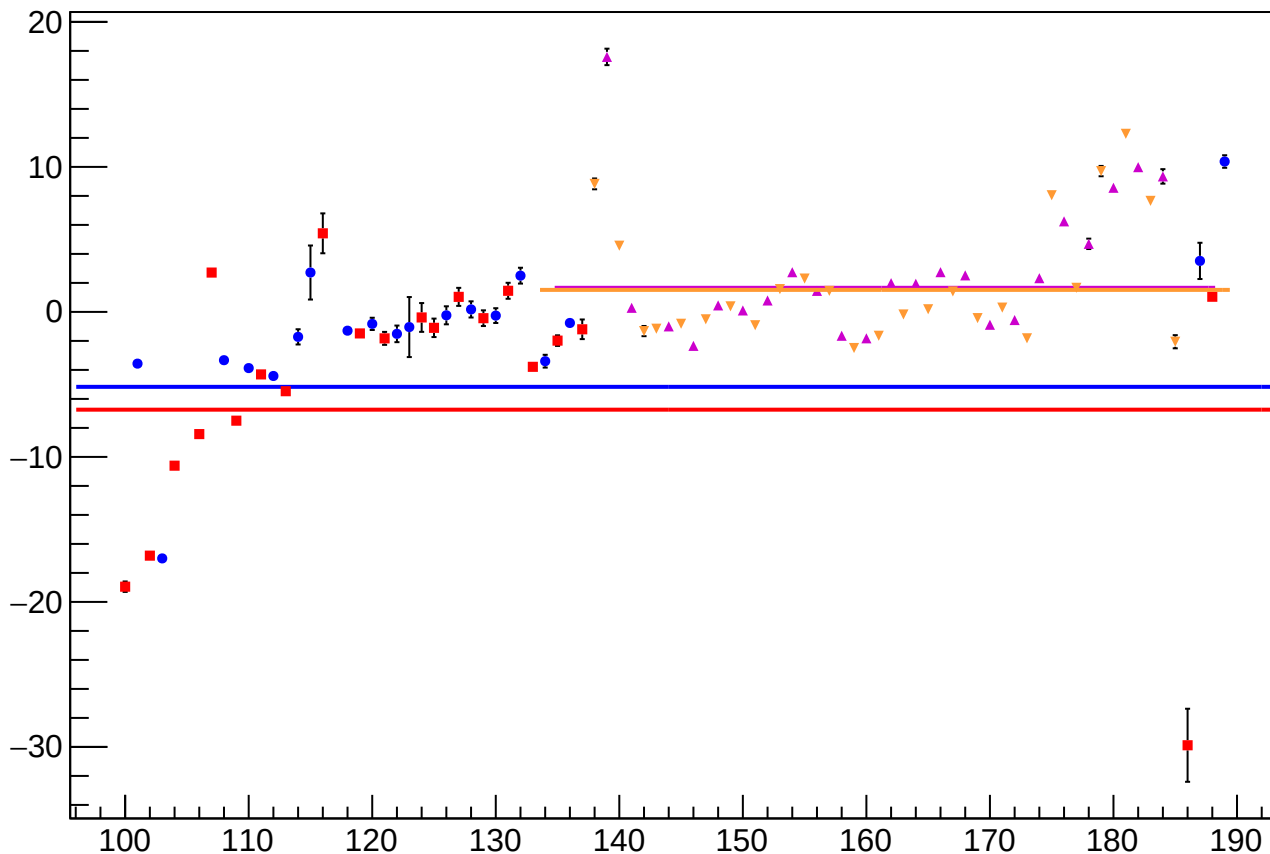
Right In: -1.801 ± 0.353 $\chi^2/\text{NDF}: 17.2/1$
 Left Out: -8.034 ± 0.070 $\chi^2/\text{NDF}: 12568.0/24$
 Right Out: 2.206 ± 0.185 $\chi^2/\text{NDF}: 1189.1/1$
 Left In: -8.078 ± 0.072 $\chi^2/\text{NDF}: 10541.6/22$

Left: -8.055 ± 0.050 $\chi^2/\text{NDF}: 23109.8/47$
 Right: 1.345 ± 0.164 $\chi^2/\text{NDF}: 1307.6/3$

In: -7.827 ± 0.070 $\chi^2/\text{NDF}: 10862.8/24$
 Out: -6.736 ± 0.066 $\chi^2/\text{NDF}: 16445.5/26$

All: -7.244 ± 0.048 $\chi^2/\text{NDF}: 27436.5/51$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 1.587 ± 0.039 χ^2/NDF : 8885.0/47

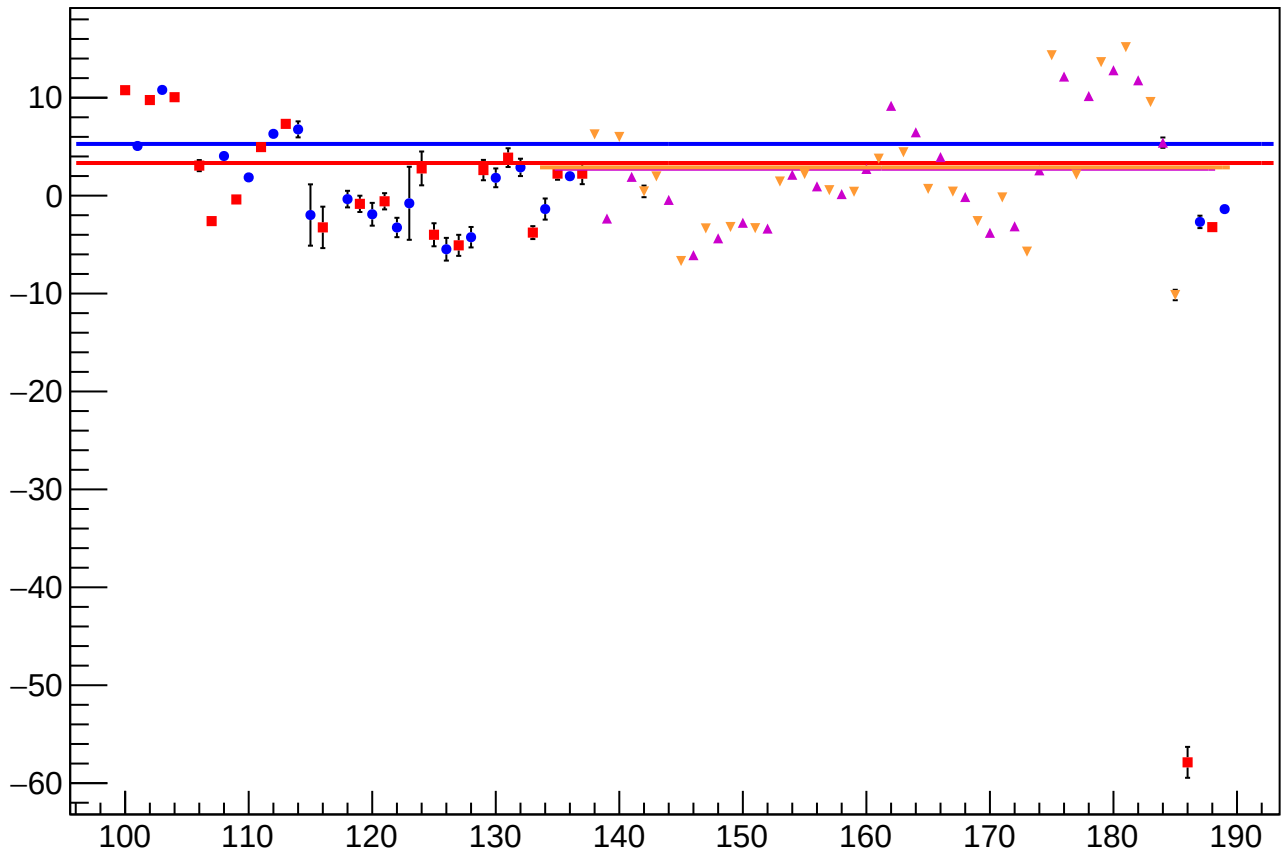
Right: -5.907 ± 0.040 χ^2/NDF : 24159.6/39

In: -1.886 ± 0.039 χ^2/NDF : 22200.3/41

Out: -2.361 ± 0.040 χ^2/NDF : 28863.2/45

All: -2.121 ± 0.028 χ^2/NDF : 51136.0/87

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.279 $\pm$ 0.086 χ^2 /NDF: 1967.1/18

Left Out: 2.884 $\pm$ 0.070 χ^2 /NDF: 8893.2/24

Right Out: 3.332 $\pm$ 0.079 χ^2 /NDF: 6913.0/20

Left In: 2.745 $\pm$ 0.071 χ^2 /NDF: 7183.1/22

Left: 2.816 $\pm$ 0.050 χ^2 /NDF: 16078.2/47

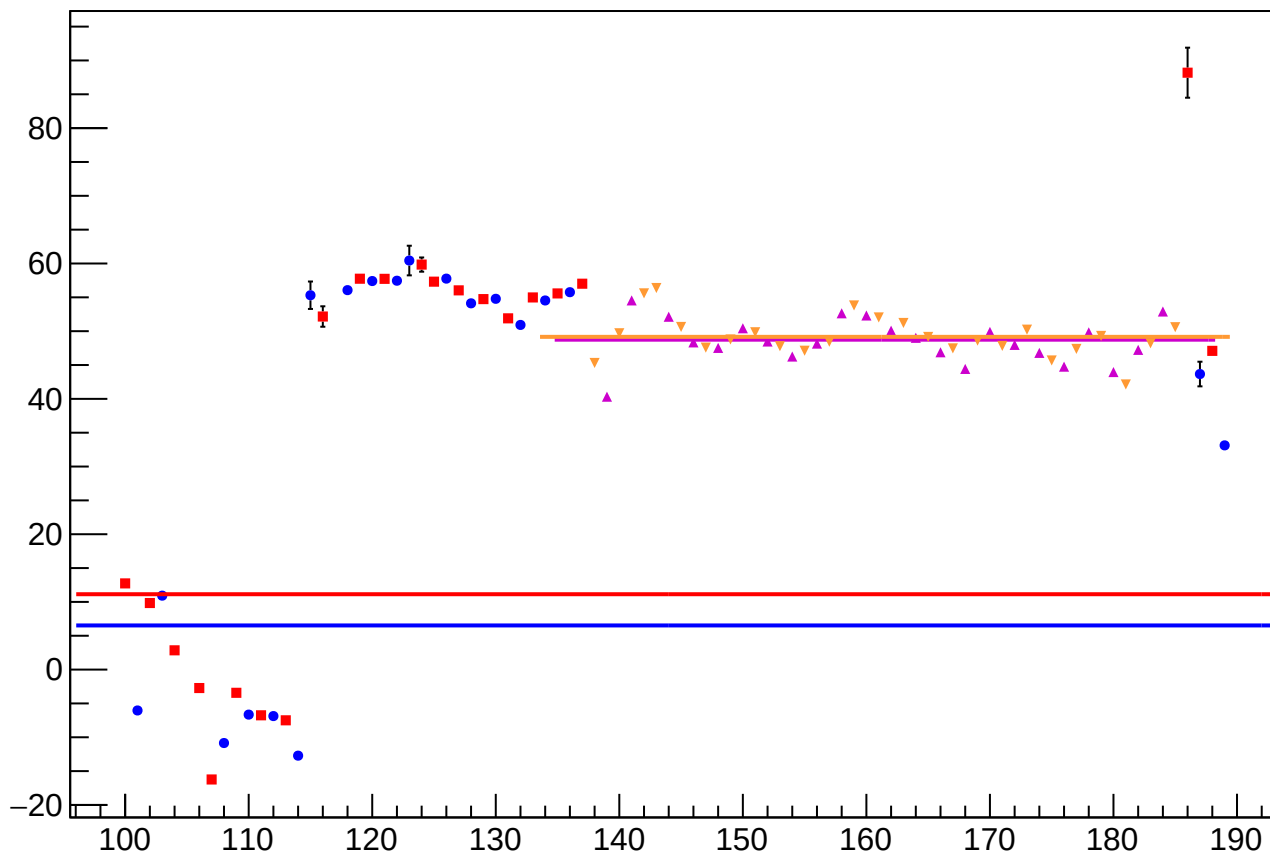
Right: 4.223 $\pm$ 0.058 χ^2 /NDF: 9156.3/39

In: 3.776 $\pm$ 0.055 χ^2 /NDF: 9661.7/41

Out: 3.081 $\pm$ 0.053 χ^2 /NDF: 15824.1/45

All: 3.413 $\pm$ 0.038 χ^2 /NDF: 25569.2/87

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 48.960+/-0.044 χ^2/NDF : 4380.0/47

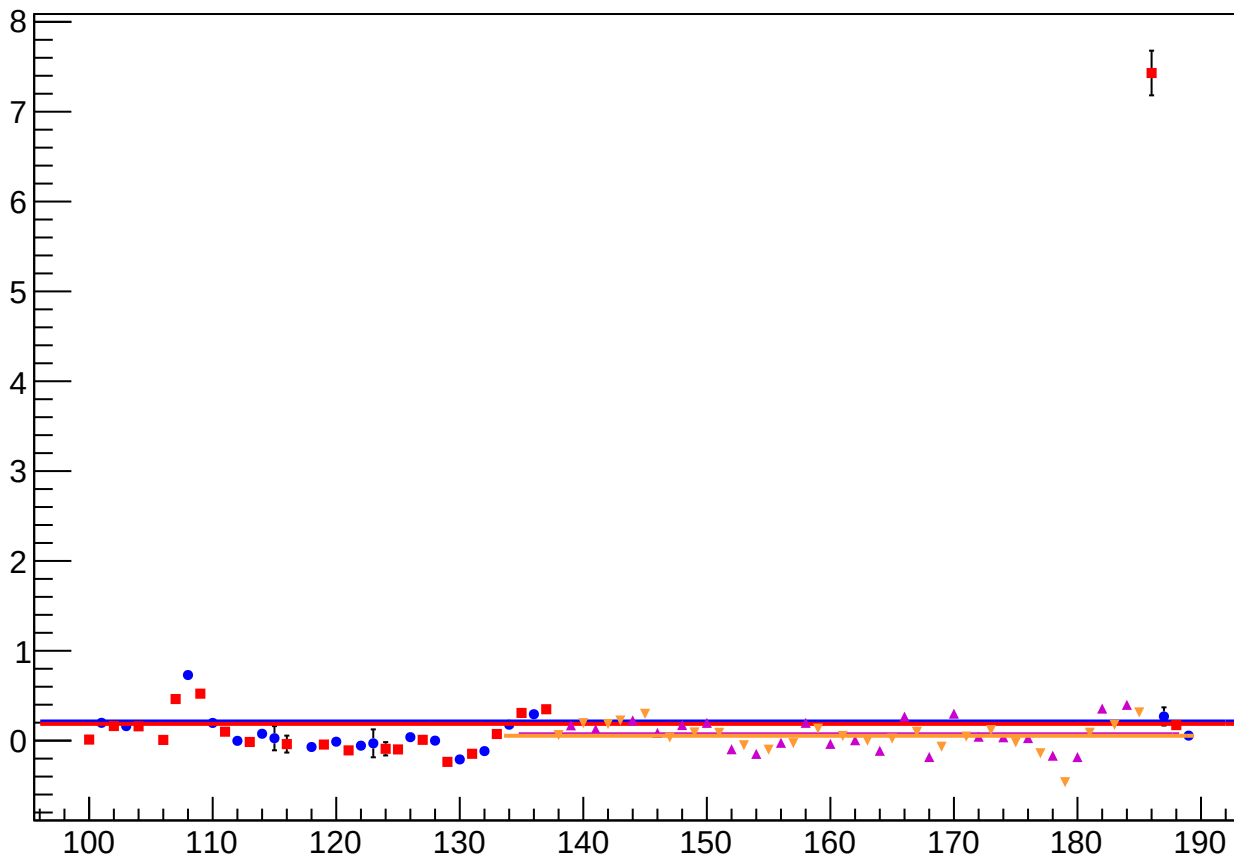
Right: 8.683+/-0.047 χ^2/NDF : 255374.7/39

In: 27.877+/-0.045 χ^2/NDF : 341446.5/41

Out: 32.183+/-0.046 χ^2/NDF : 301954.3/45

All: 30.003+/-0.032 χ^2/NDF : 647851.7/87

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.062+/-0.002 χ^2/NDF : 5630.0/47

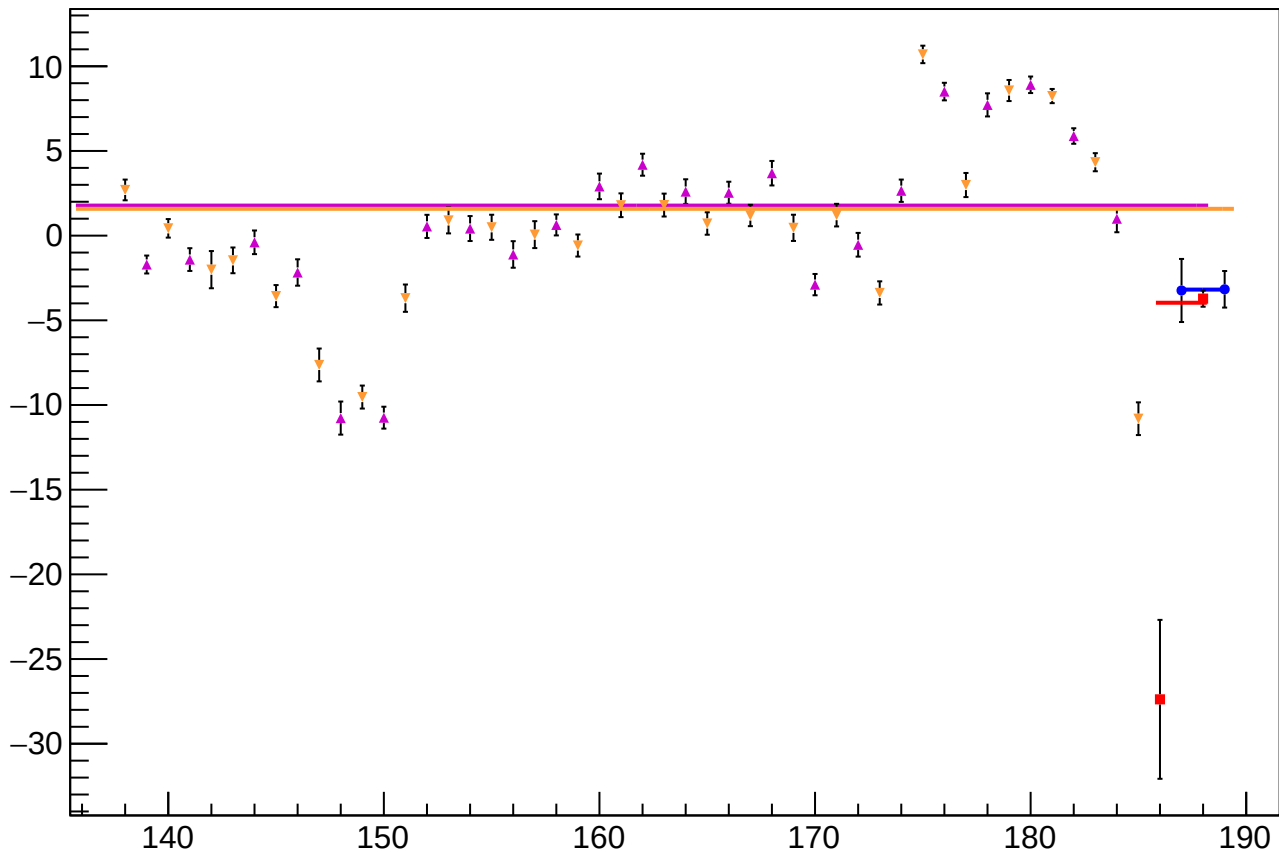
Right: 0.199+/-0.002 χ^2/NDF : 7585.6/39

In: 0.145+/-0.002 χ^2/NDF : 8497.4/41

Out: 0.124+/-0.002 χ^2/NDF : 7112.3/45

All: 0.134+/-0.001 χ^2/NDF : 15663.5/87

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 1.677 ± 0.095 χ^2/NDF : 2757.2/47

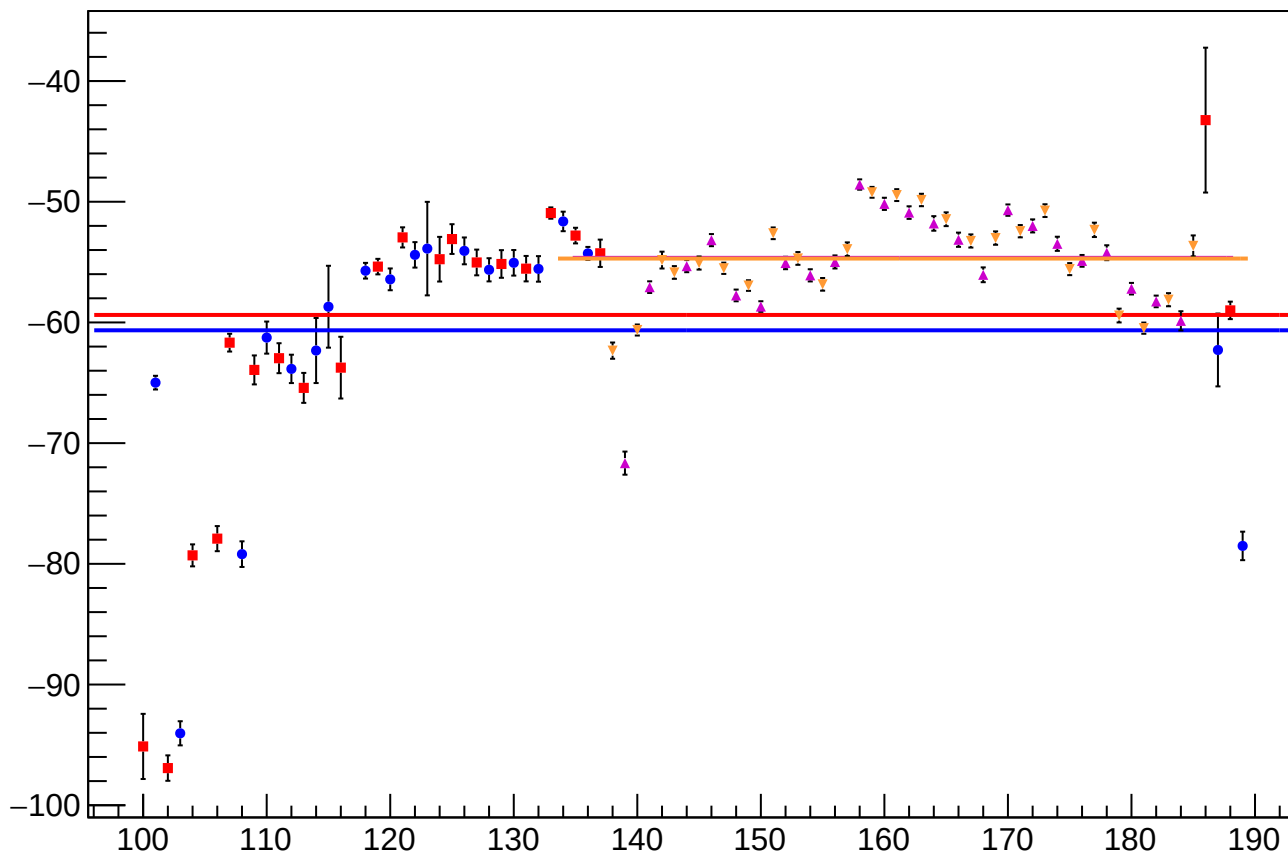
Right: -3.803 ± 0.423 χ^2/NDF : 25.7/3

In: 1.672 ± 0.134 χ^2/NDF : 1325.0/24

Out: 1.182 ± 0.128 χ^2/NDF : 1610.7/26

All: 1.416 ± 0.092 χ^2/NDF : 2942.6/51

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: -54.680 ± 0.076 χ^2/NDF : 2203.2/47

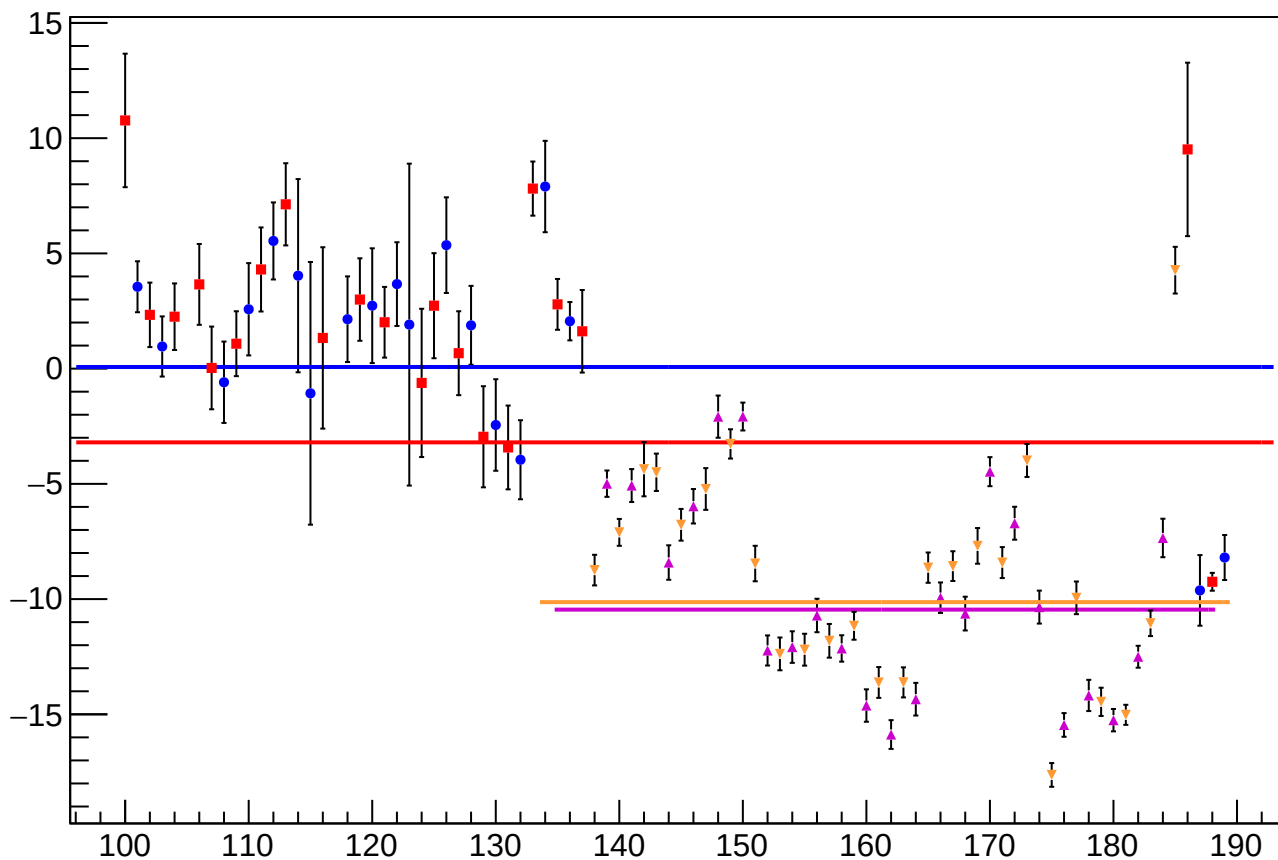
Right: -59.964 ± 0.150 χ^2/NDF : 5156.8/39

In: -55.841 ± 0.098 χ^2/NDF : 3881.5/41

Out: -55.700 ± 0.094 χ^2/NDF : 4468.8/45

All: -55.767 ± 0.068 χ^2/NDF : 8351.4/87

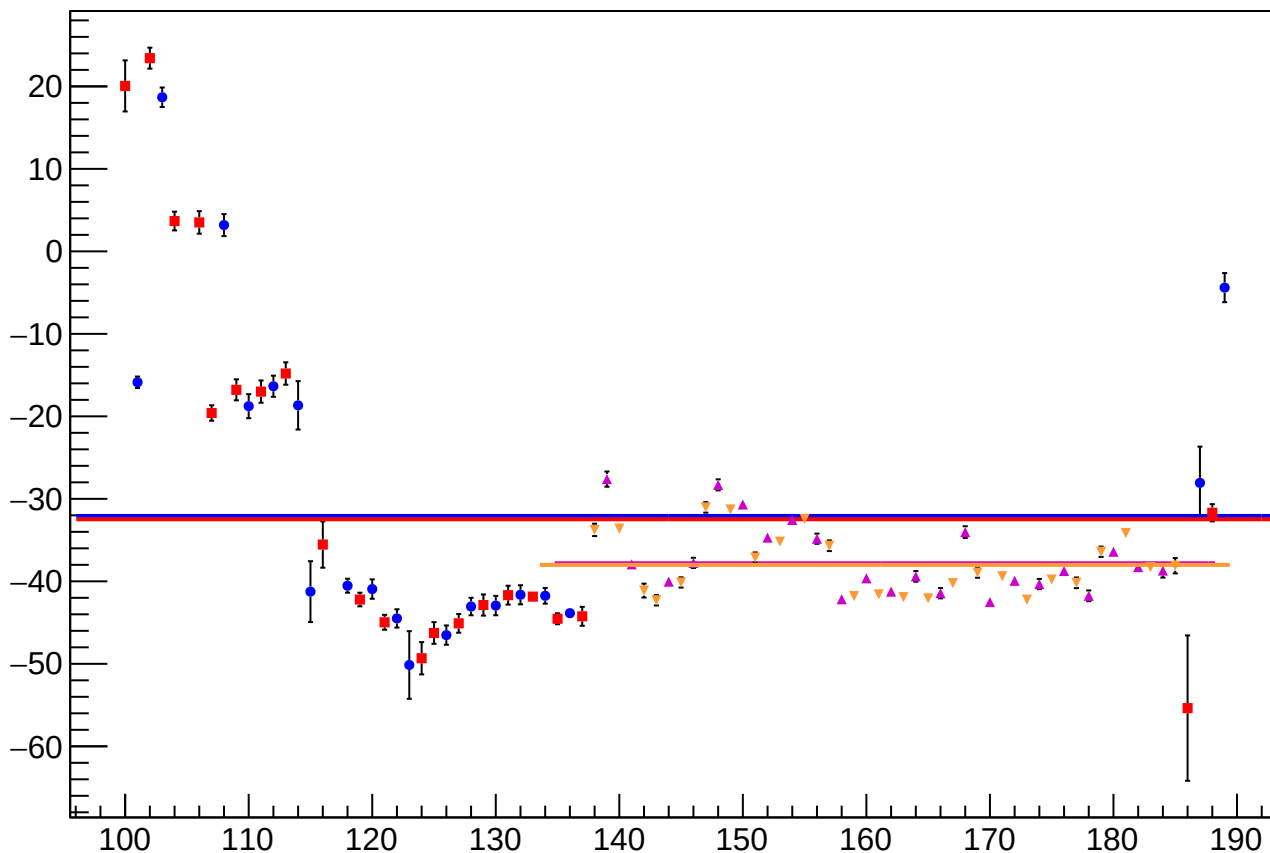
reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.071 ± 0.364 $\chi^2/\text{NDF}: 177.8/18$
 Left Out: -10.131 ± 0.133 $\chi^2/\text{NDF}: 1055.4/24$
 Right Out: -3.200 ± 0.274 $\chi^2/\text{NDF}: 548.1/20$
 Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

Left: -10.291 ± 0.095 $\chi^2/\text{NDF}: 2061.1/47$
 Right: -2.020 ± 0.219 $\chi^2/\text{NDF}: 777.5/39$
 In: -9.190 ± 0.126 $\chi^2/\text{NDF}: 1915.5/41$
 Out: -8.809 ± 0.119 $\chi^2/\text{NDF}: 2123.0/45$
 All: -8.989 ± 0.087 $\chi^2/\text{NDF}: 4043.3/87$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 1039.9/22$

Left: -37.910 ± 0.085 $\chi^2/\text{NDF}: 1987.2/47$

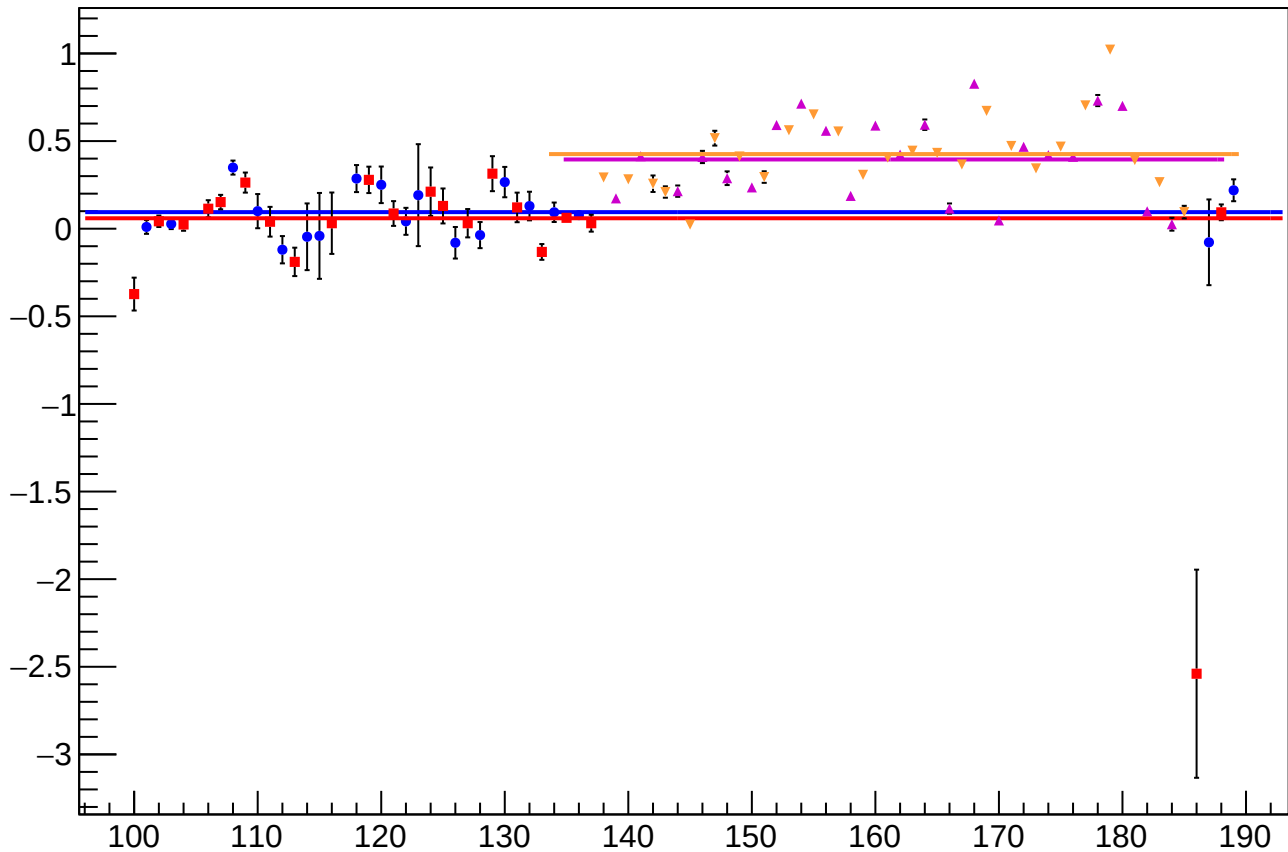
Right: -32.287 ± 0.173 $\chi^2/\text{NDF}: 10946.2/39$

In: -36.723 ± 0.110 $\chi^2/\text{NDF}: 6350.8/41$

Out: -36.902 ± 0.106 $\chi^2/\text{NDF}: 7429.5/45$

All: -36.816 ± 0.076 $\chi^2/\text{NDF}: 13781.7/87$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.411 ± 0.004 χ^2/NDF : 3118.1/47

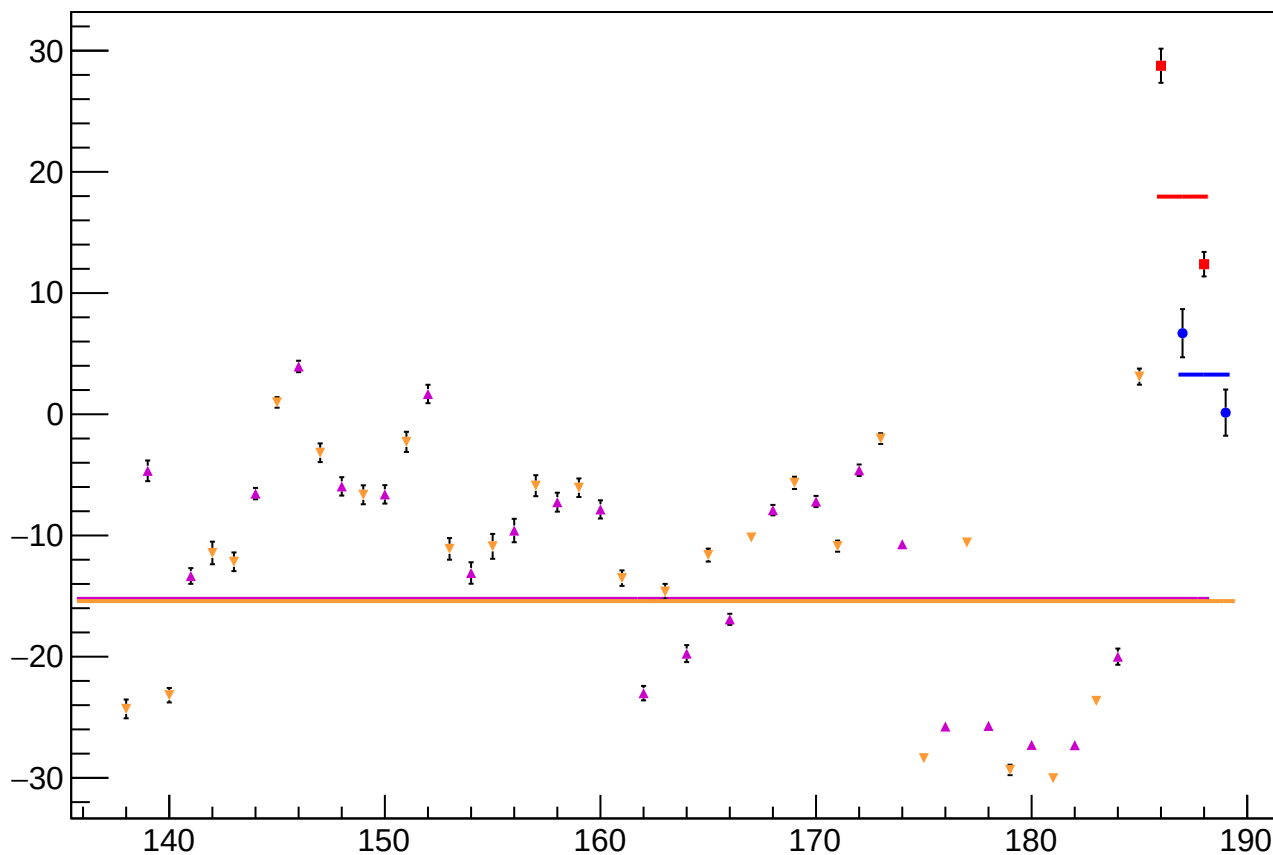
Right: 0.076 ± 0.009 χ^2/NDF : 194.6/39

In: 0.347 ± 0.005 χ^2/NDF : 2369.8/41

Out: 0.362 ± 0.005 χ^2/NDF : 2213.7/45

All: 0.355 ± 0.003 χ^2/NDF : 4588.2/87

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.273 ± 1.375 χ^2/NDF : 5.7/1

Left Out: -15.413 ± 0.105 χ^2/NDF : 10509.1/24

Right Out: 17.959 ± 0.823 χ^2/NDF : 89.0/1

Left In: -15.229 ± 0.107 χ^2/NDF : 8657.3/22

Left: -15.322 ± 0.075 χ^2/NDF : 19167.9/47

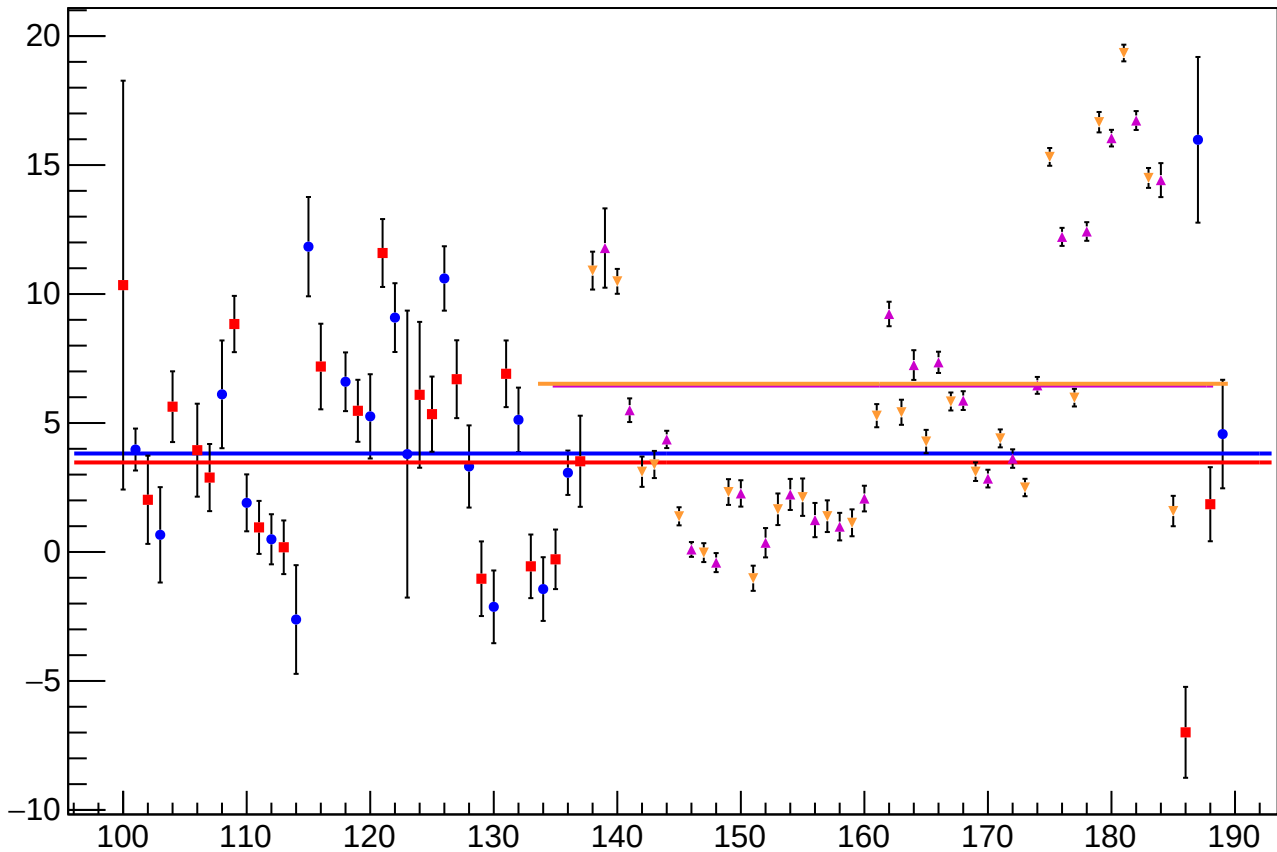
Right: 14.089 ± 0.706 χ^2/NDF : 178.7/3

In: -15.119 ± 0.106 χ^2/NDF : 8843.0/24

Out: -14.875 ± 0.104 χ^2/NDF : 12217.7/26

All: -14.995 ± 0.074 χ^2/NDF : 21063.4/51

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 6.487 ± 0.061 χ^2/NDF : 8933.5/47

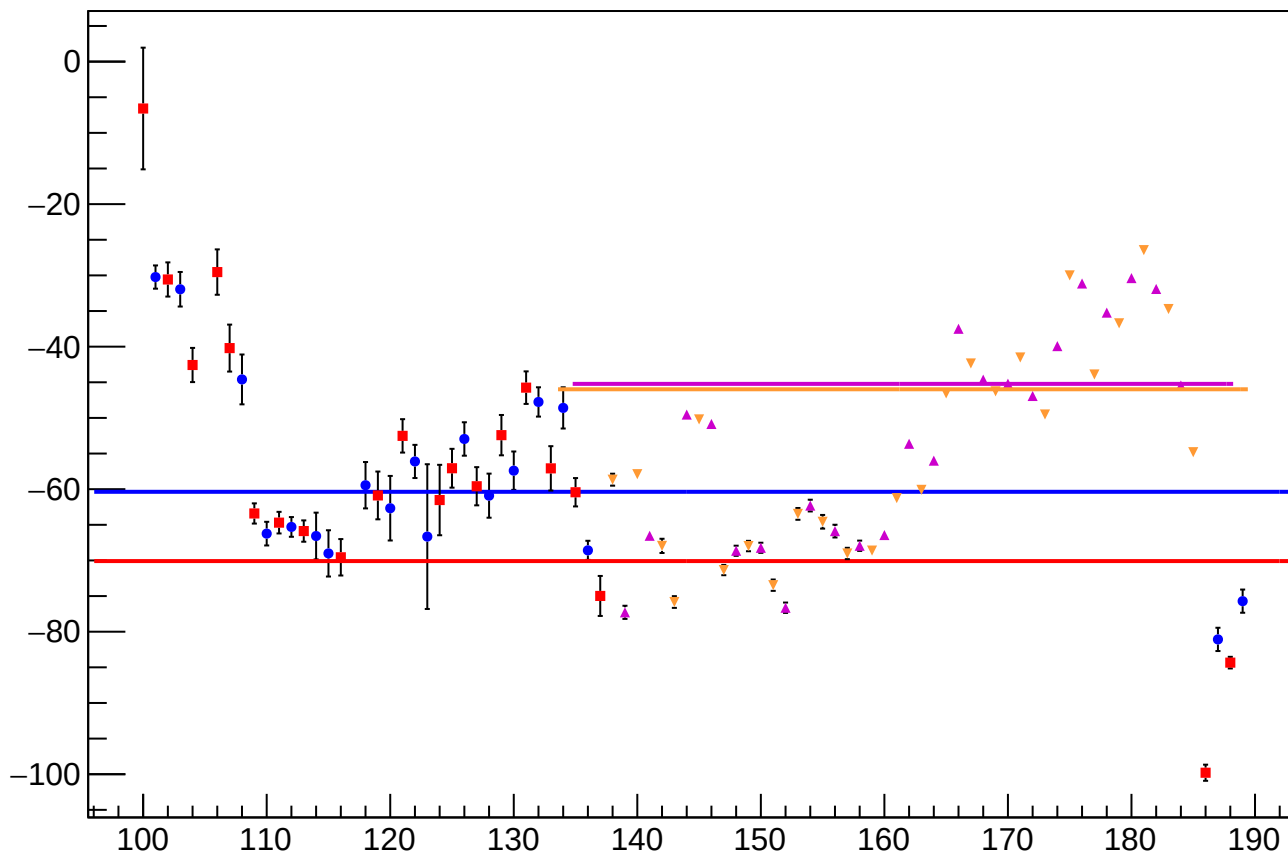
Right: 3.643 ± 0.216 χ^2/NDF : 322.3/39

In: 6.259 ± 0.083 χ^2/NDF : 4166.4/41

Out: 6.299 ± 0.082 χ^2/NDF : 5250.1/45

All: 6.279 ± 0.058 χ^2/NDF : 9416.6/87

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -45.605 ± 0.075 χ^2/NDF : 32985.7/47

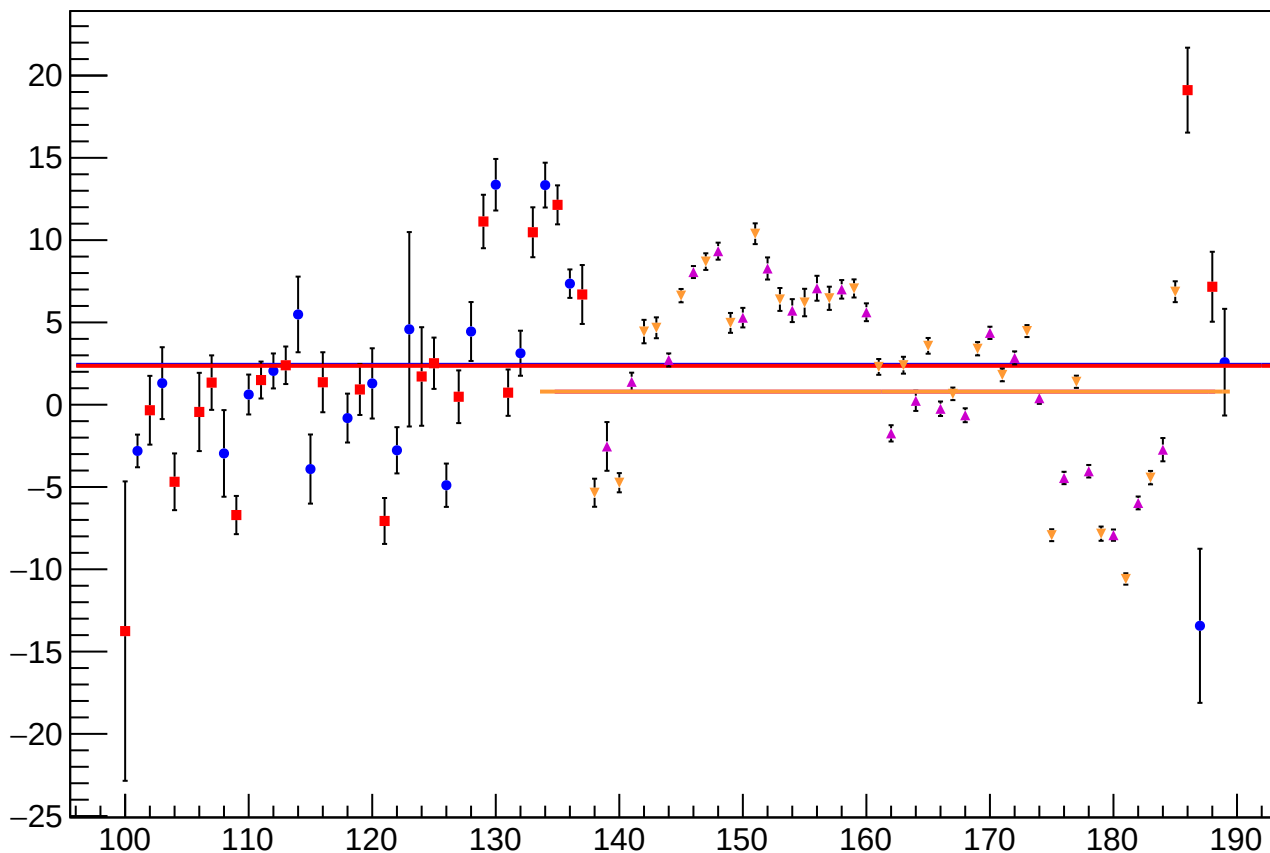
Right: -66.026 ± 0.318 χ^2/NDF : 3158.2/39

In: -45.908 ± 0.105 χ^2/NDF : 17396.1/41

Out: -47.451 ± 0.103 χ^2/NDF : 22536.7/45

All: -46.693 ± 0.073 χ^2/NDF : 40043.1/87

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.423 ± 0.345 χ^2/NDF : 253.8/18

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 2.363 ± 0.347 χ^2/NDF : 313.4/20

Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

Left: 0.795 ± 0.068 χ^2/NDF : 6452.5/47

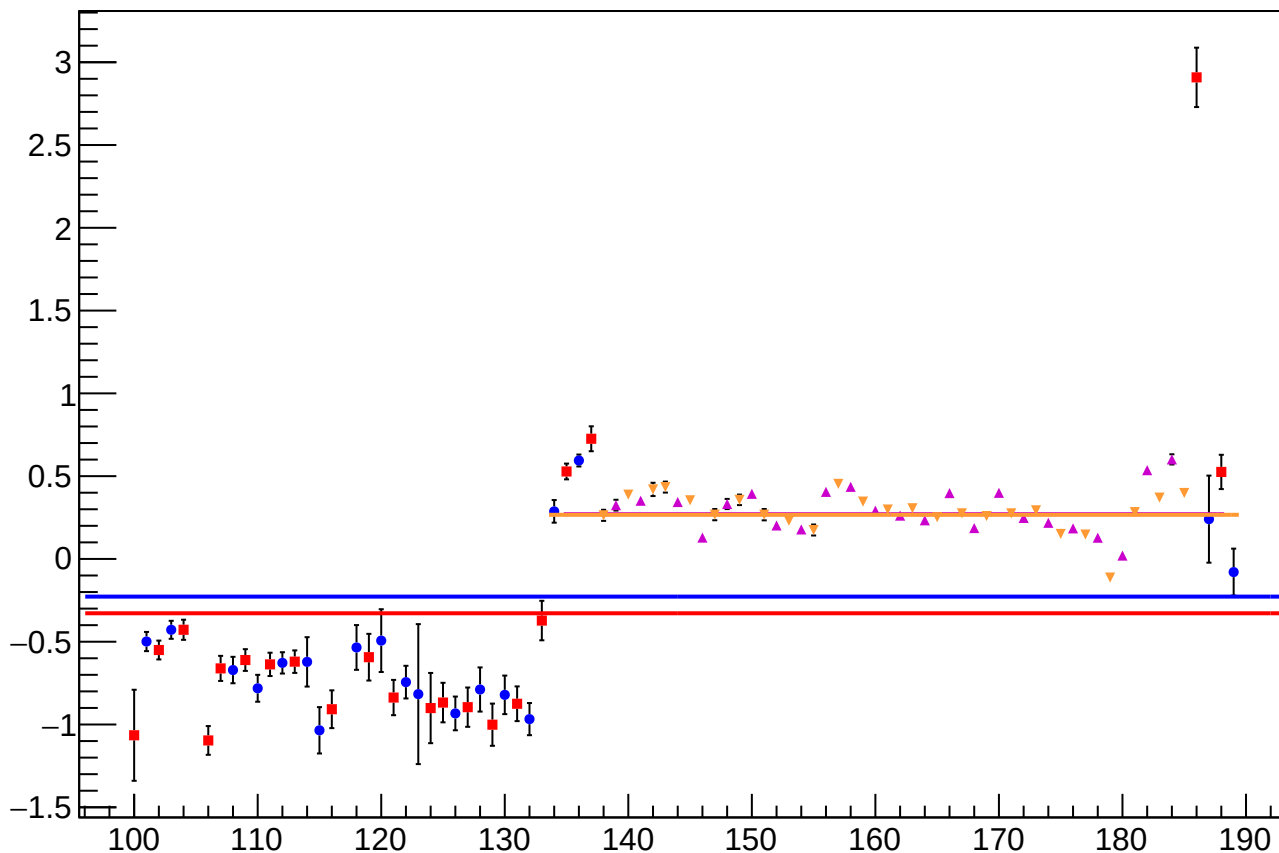
Right: 2.393 ± 0.245 χ^2/NDF : 567.2/39

In: 0.911 ± 0.093 χ^2/NDF : 2967.0/41

Out: 0.907 ± 0.092 χ^2/NDF : 4092.3/45

All: 0.909 ± 0.065 χ^2/NDF : 7059.3/87

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.268 ± 0.003 χ^2/NDF : 1670.1/47

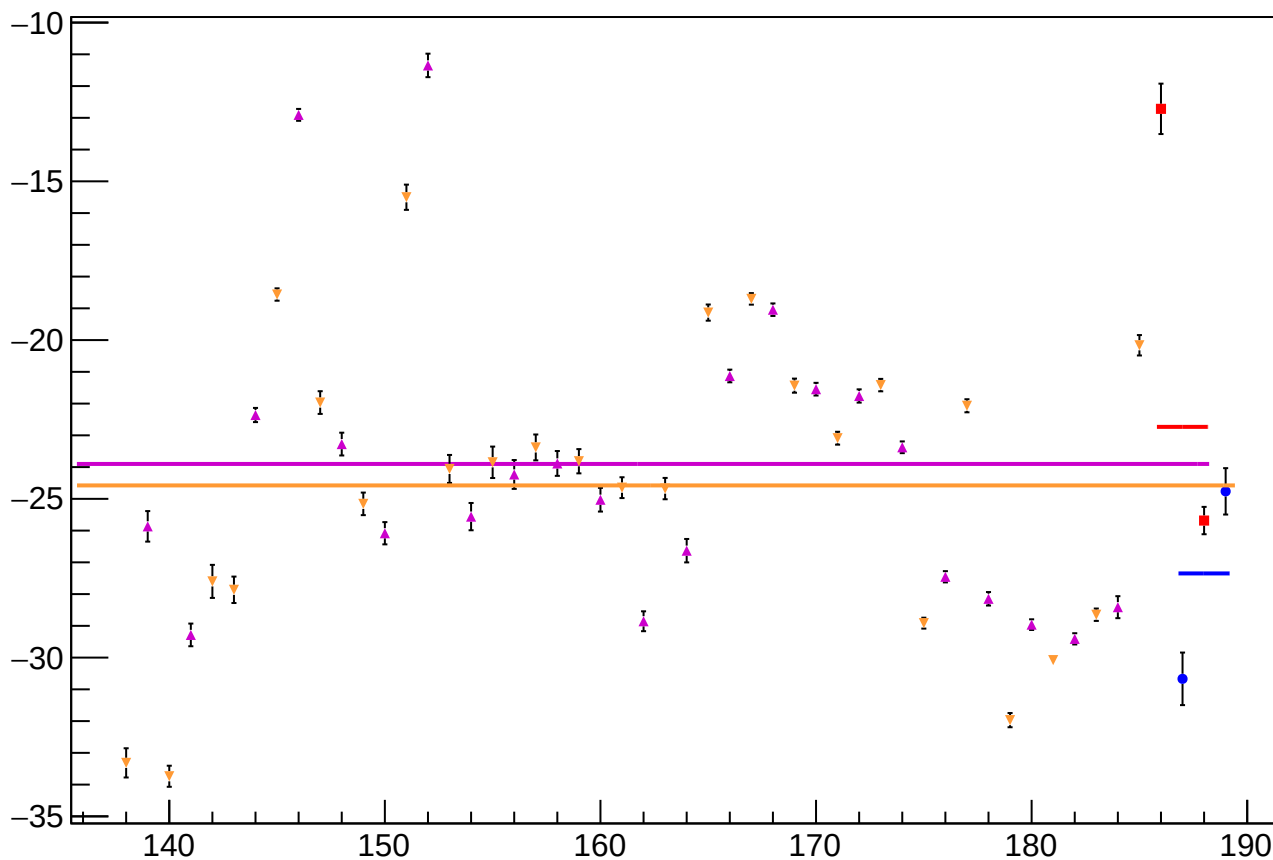
Right: -0.278 ± 0.013 χ^2/NDF : 2225.7/39

In: 0.244 ± 0.004 χ^2/NDF : 2602.0/41

Out: 0.236 ± 0.004 χ^2/NDF : 2919.6/45

All: 0.240 ± 0.003 χ^2/NDF : 5523.5/87

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -24.240 ± 0.036 χ^2/NDF : 17833.1/47

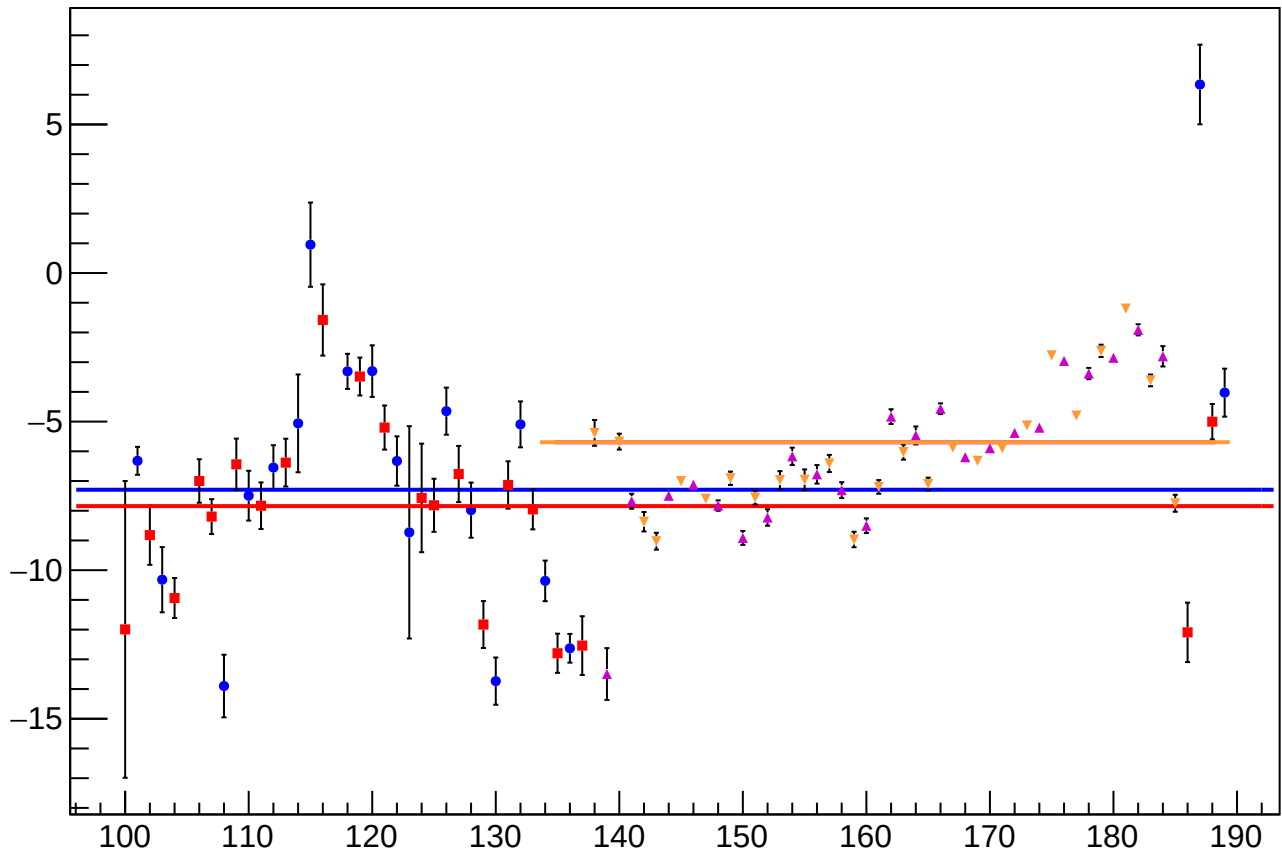
Right: -24.226 ± 0.311 χ^2/NDF : 282.8/3

In: -23.931 ± 0.051 χ^2/NDF : 9222.8/24

Out: -24.544 ± 0.051 χ^2/NDF : 8819.9/26

All: -24.240 ± 0.036 χ^2/NDF : 18116.0/51

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: -5.695 ± 0.029 χ^2/NDF : 4568.1/47

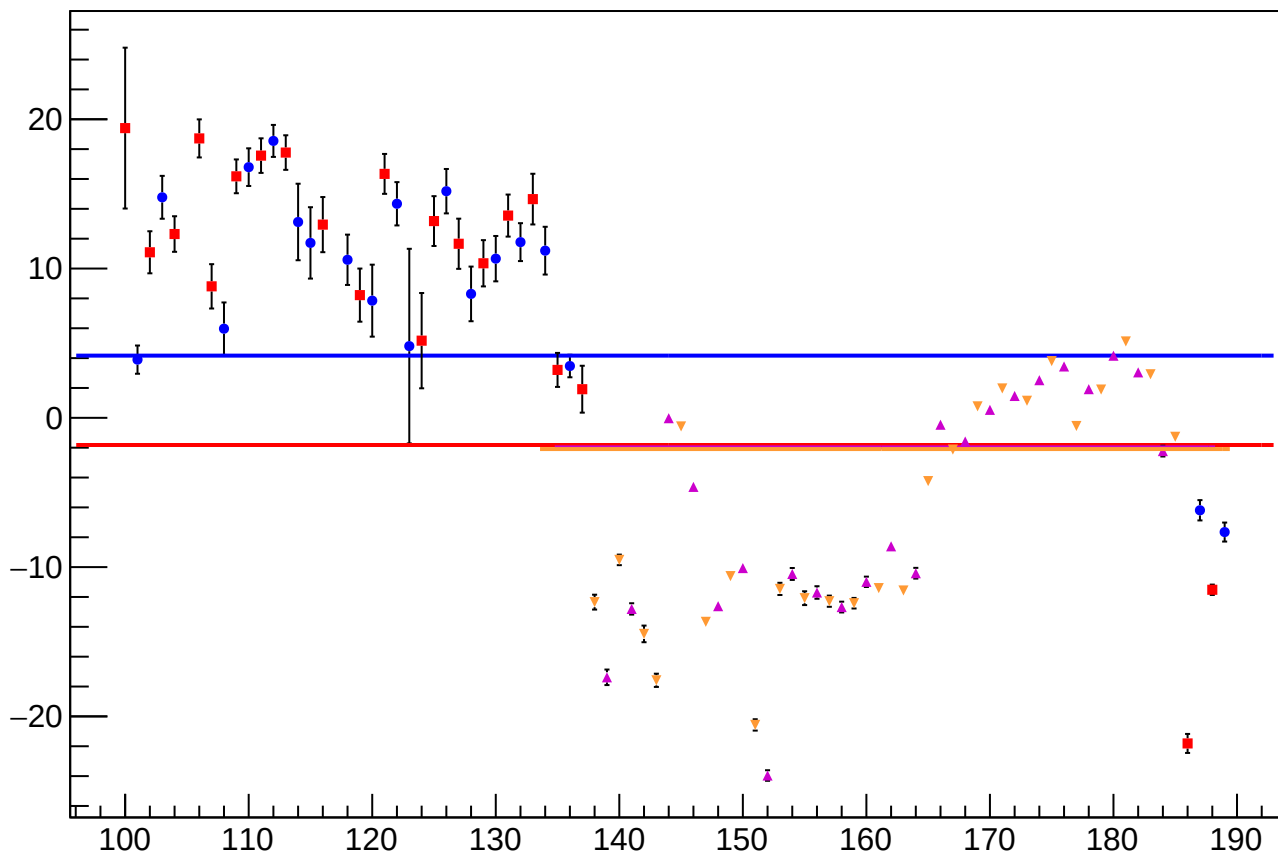
Right: -7.578 ± 0.126 χ^2/NDF : 772.9/39

In: -5.774 ± 0.040 χ^2/NDF : 2887.6/41

Out: -5.807 ± 0.040 χ^2/NDF : 2666.0/45

All: -5.790 ± 0.028 χ^2/NDF : 5554.0/87

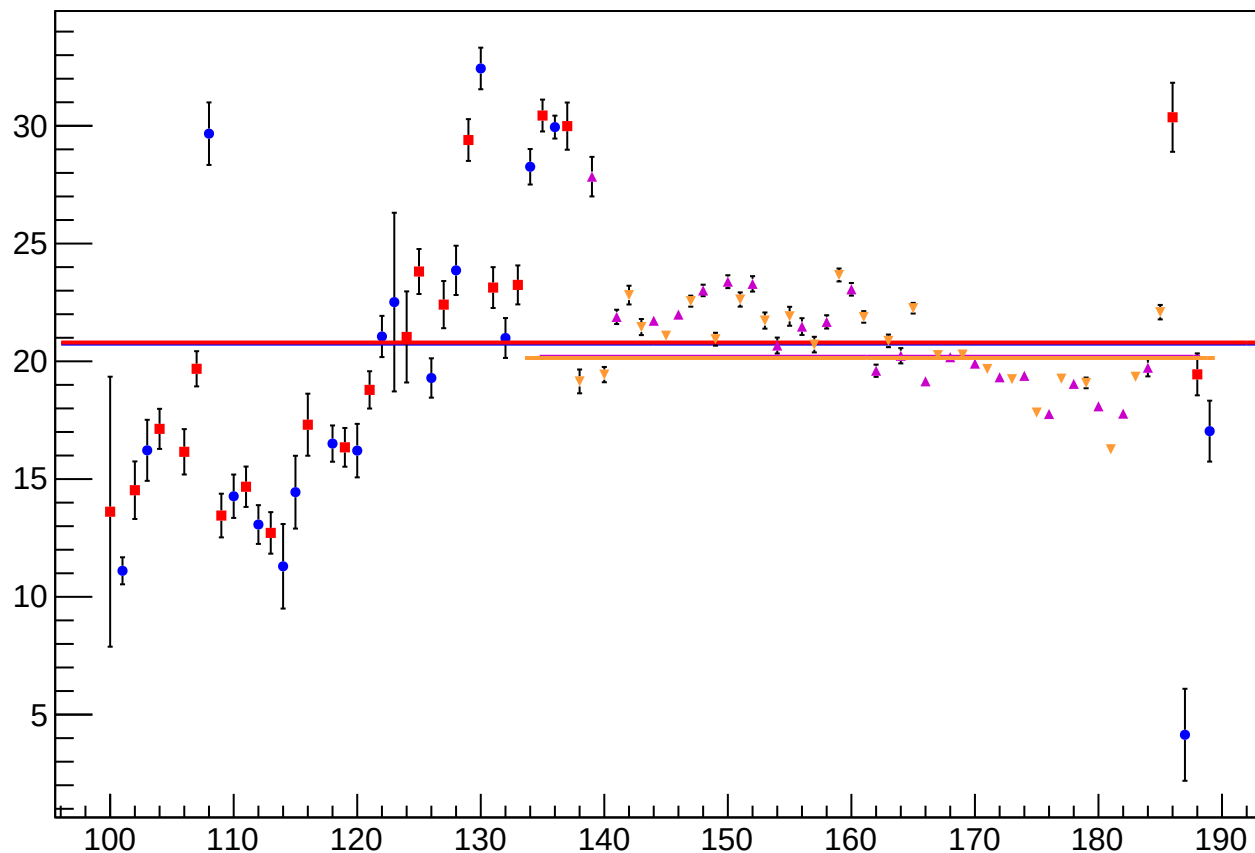
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 15382.3/22$

Left: -2.036 ± 0.036 $\chi^2/\text{NDF}: 31690.0/47$
 Right: 0.591 ± 0.174 $\chi^2/\text{NDF}: 5291.3/39$
 In: -1.772 ± 0.050 $\chi^2/\text{NDF}: 17005.3/41$
 Out: -2.078 ± 0.050 $\chi^2/\text{NDF}: 20176.7/45$
 All: -1.926 ± 0.036 $\chi^2/\text{NDF}: 37200.6/87$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 20.167 $\pm$ 0.032 χ^2 /NDF: 2867.2/47

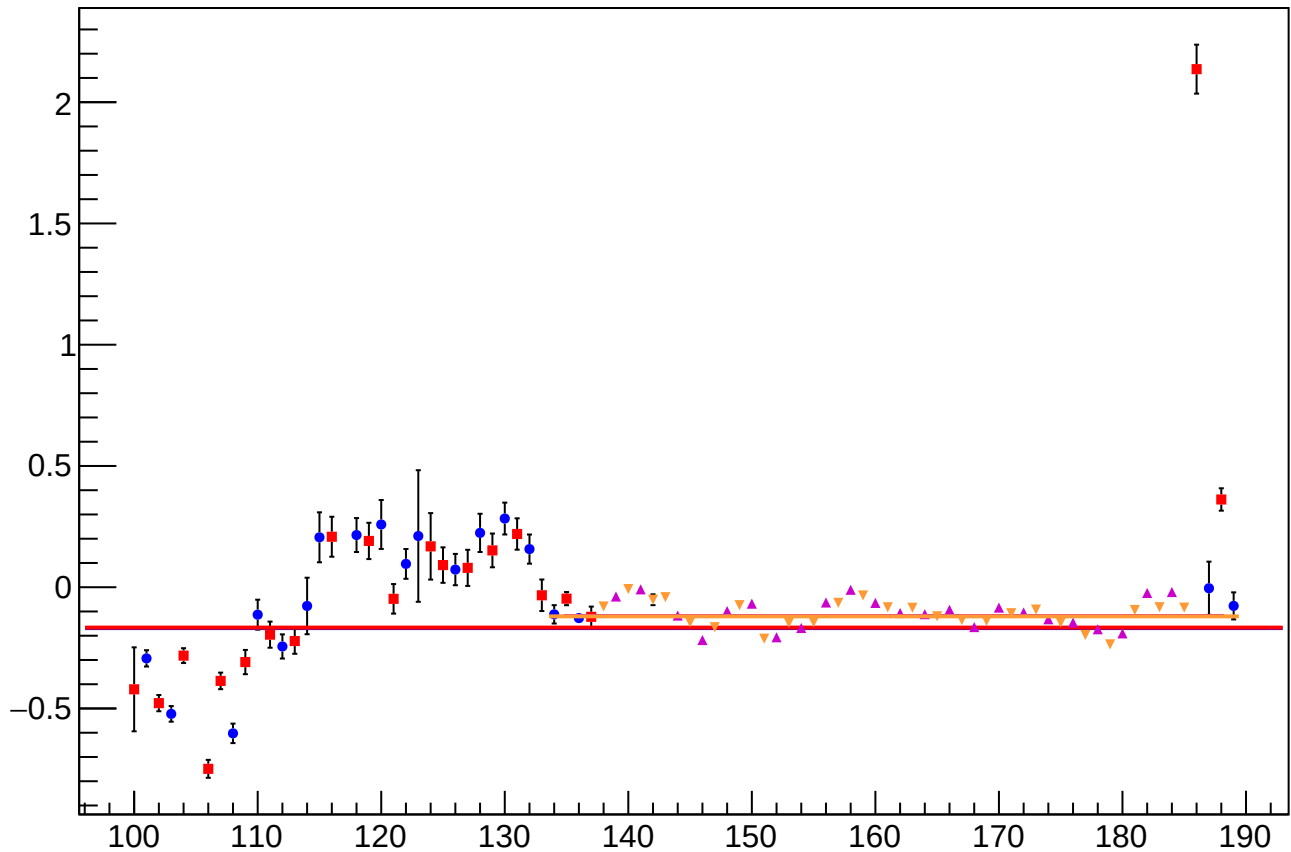
Right: 20.775 $\pm$ 0.146 χ^2 /NDF: 2058.7/39

In: 20.220 $\pm$ 0.045 χ^2 /NDF: 2746.1/41

Out: 20.172 $\pm$ 0.045 χ^2 /NDF: 2195.8/45

All: 20.196 $\pm$ 0.032 χ^2 /NDF: 4942.5/87

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.168 ± 0.011 $\chi^2/\text{NDF}: 463.4/18$

Left Out: -0.120 ± 0.002 $\chi^2/\text{NDF}: 530.4/24$

Right Out: -0.167 ± 0.011 $\chi^2/\text{NDF}: 1211.4/20$

Left In: -0.119 ± 0.002 $\chi^2/\text{NDF}: 721.8/22$

Left: -0.119 ± 0.001 $\chi^2/\text{NDF}: 1252.4/47$

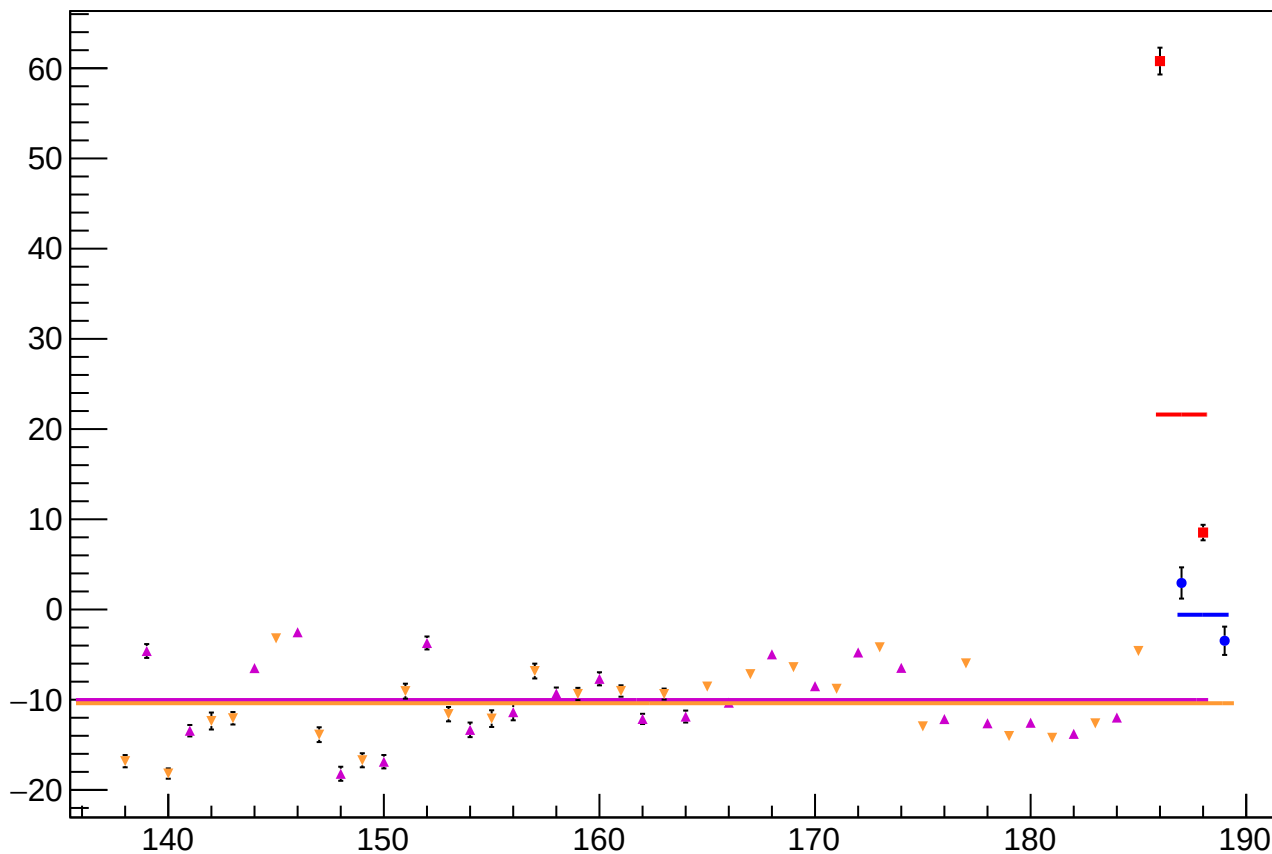
Right: -0.167 ± 0.008 $\chi^2/\text{NDF}: 1674.8/39$

In: -0.120 ± 0.002 $\chi^2/\text{NDF}: 1205.1/41$

Out: -0.122 ± 0.002 $\chi^2/\text{NDF}: 1760.2/45$

All: -0.121 ± 0.001 $\chi^2/\text{NDF}: 2965.6/87$

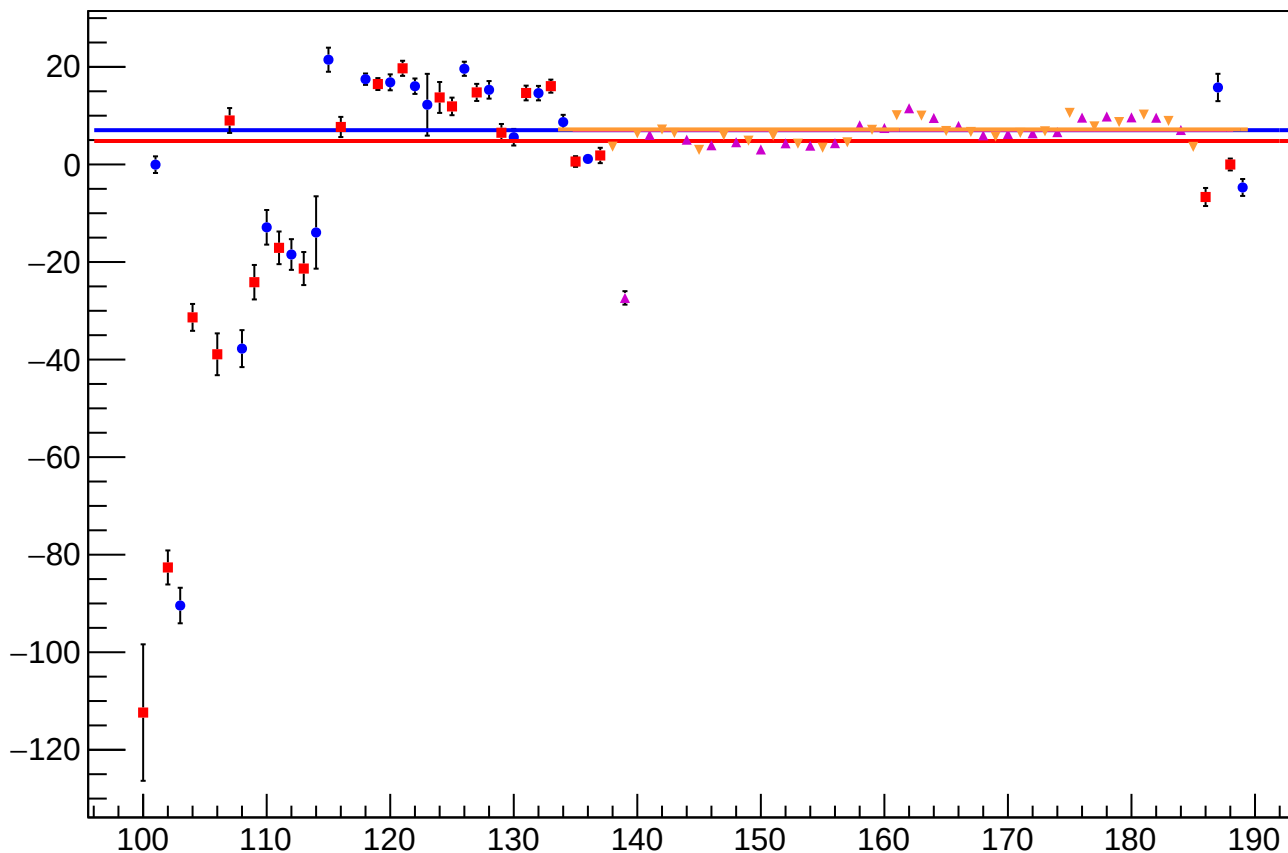
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 1758.7/22$

Left: -10.217 ± 0.063 $\chi^2/\text{NDF}: 3878.3/47$
 Right: 15.166 ± 0.627 $\chi^2/\text{NDF}: 1192.8/3$
 In: -9.980 ± 0.089 $\chi^2/\text{NDF}: 1831.9/24$
 Out: -9.951 ± 0.087 $\chi^2/\text{NDF}: 4864.1/26$
 All: -9.965 ± 0.062 $\chi^2/\text{NDF}: 6696.1/51$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 7.119 ± 0.052 χ^2/NDF : 2454.8/47

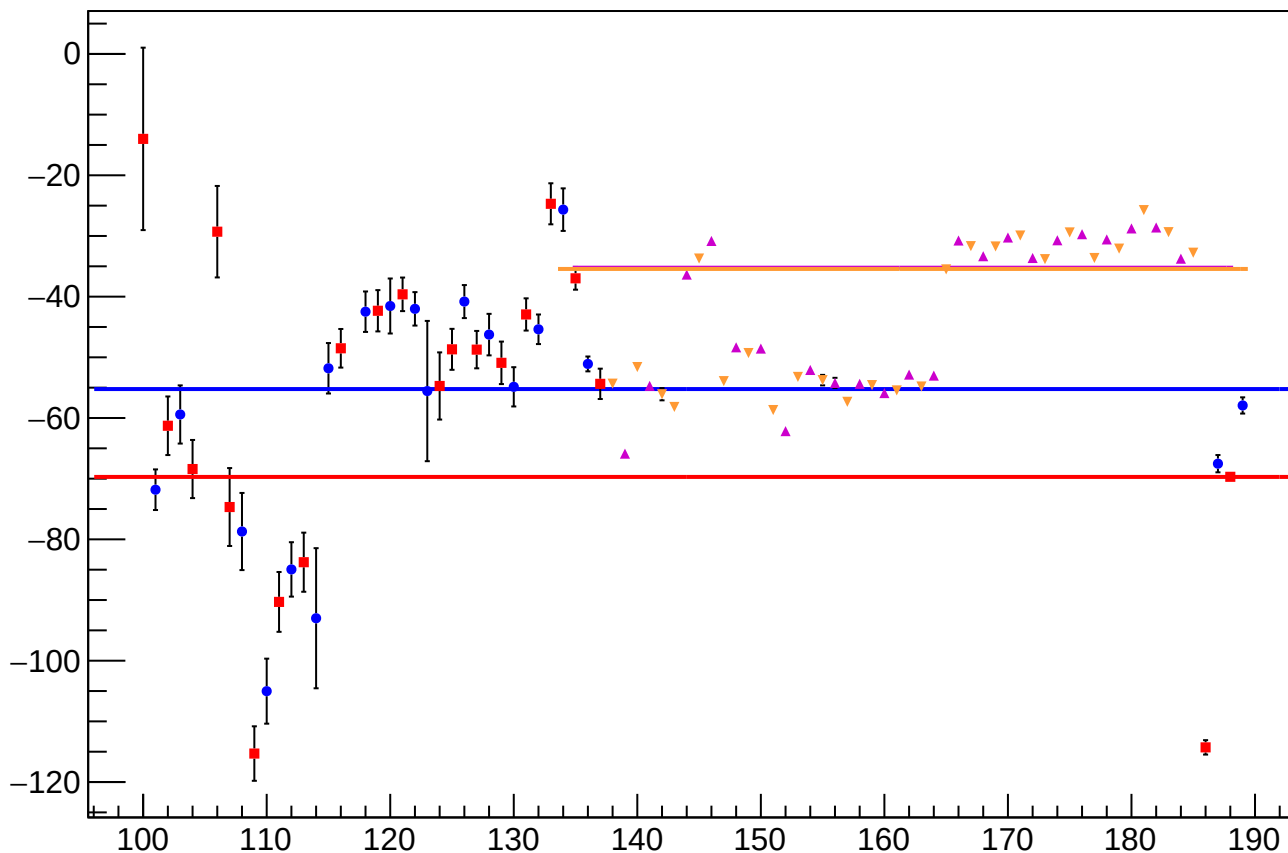
Right: 5.939 ± 0.280 χ^2/NDF : 2987.5/39

In: 7.052 ± 0.073 χ^2/NDF : 2933.3/41

Out: 7.107 ± 0.072 χ^2/NDF : 2525.8/45

All: 7.079 ± 0.051 χ^2/NDF : 5459.4/87

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -35.333 ± 0.063 χ^2/NDF : 24388.3/47

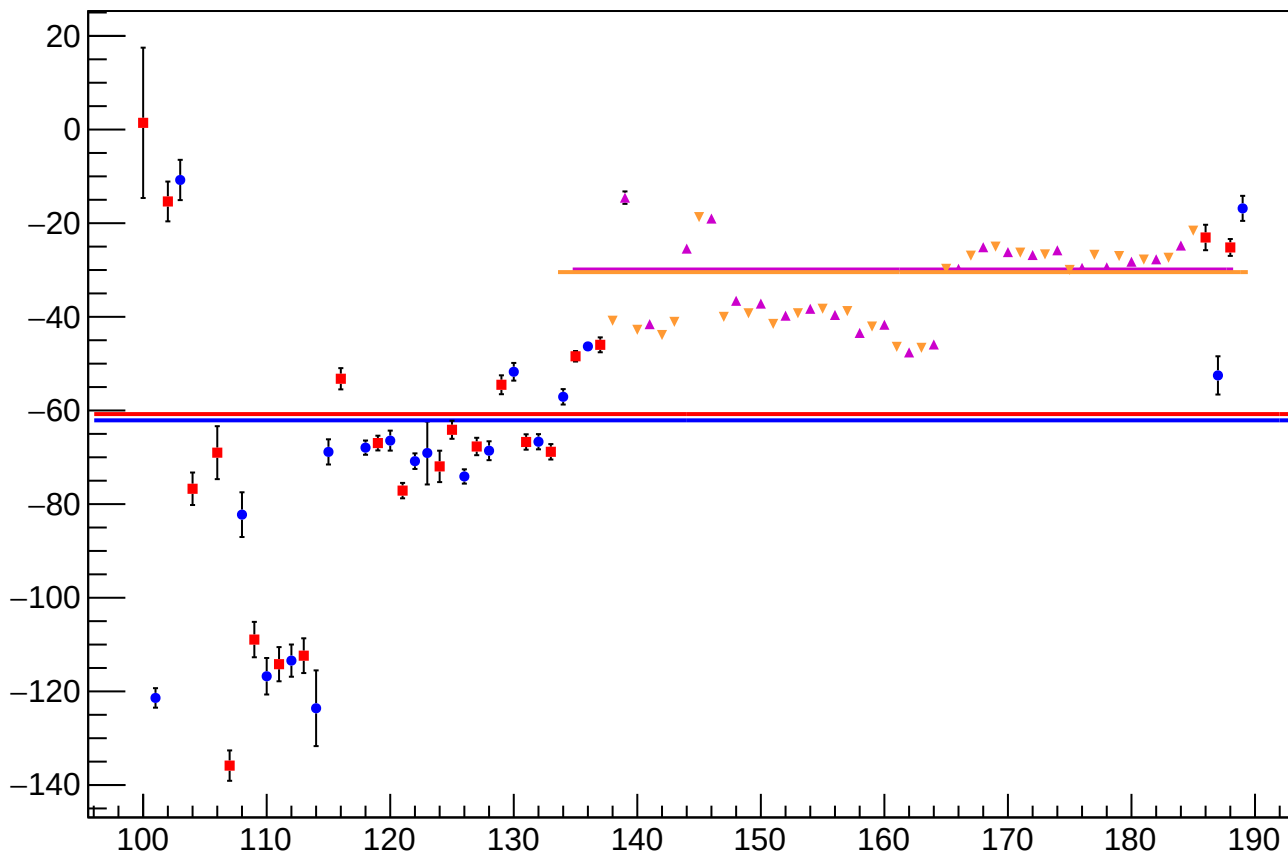
Right: -63.959 ± 0.372 χ^2/NDF : 3355.9/39

In: -35.684 ± 0.089 χ^2/NDF : 13165.1/41

Out: -36.578 ± 0.088 χ^2/NDF : 20283.5/45

All: -36.139 ± 0.062 χ^2/NDF : 33499.8/87

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 7115.0/22$

Left: -30.174 ± 0.058 $\chi^2/\text{NDF}: 15305.7/47$

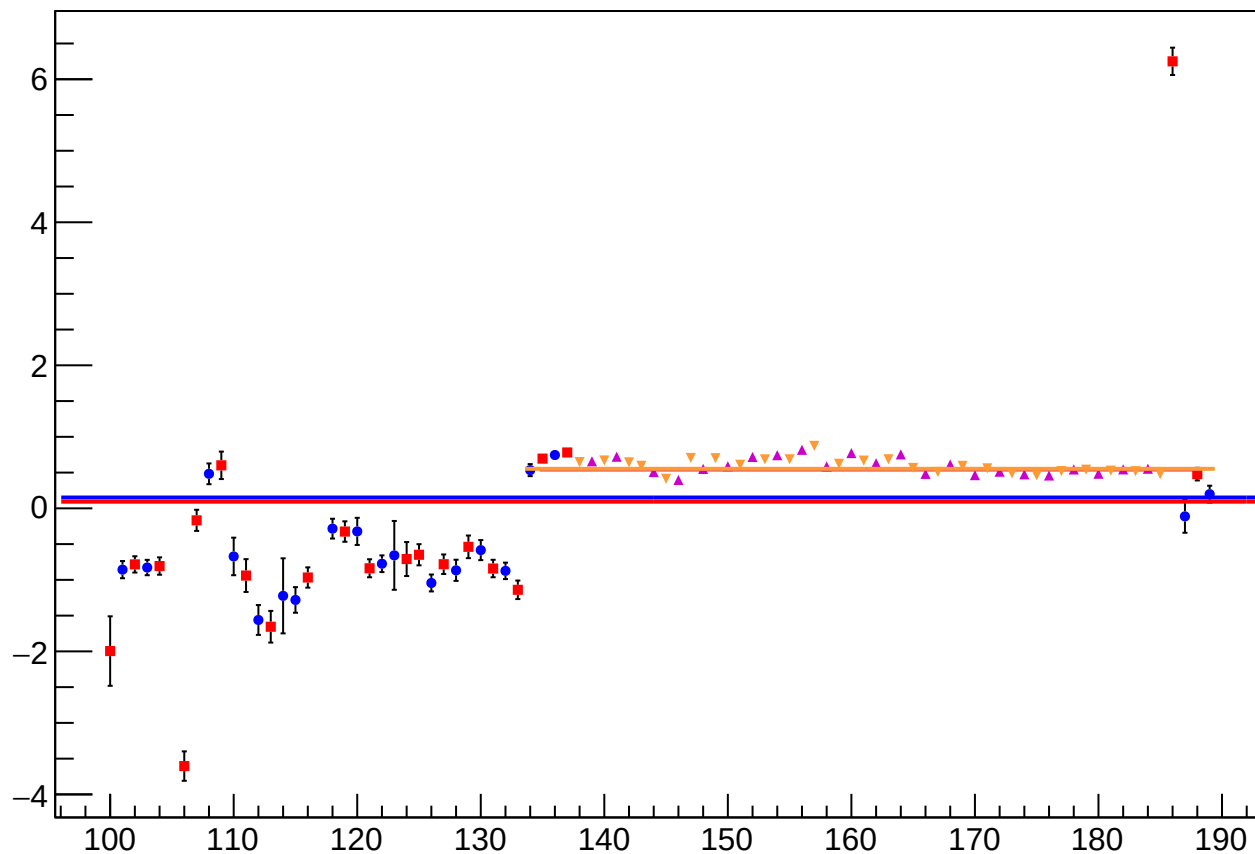
Right: -61.470 ± 0.318 $\chi^2/\text{NDF}: 4559.8/39$

In: -30.986 ± 0.081 $\chi^2/\text{NDF}: 14591.5/41$

Out: -31.369 ± 0.080 $\chi^2/\text{NDF}: 14619.0/45$

All: -31.180 ± 0.057 $\chi^2/\text{NDF}: 29221.8/87$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.151 $\pm$ 0.023 χ^2 /NDF: 988.8/18

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.1/24

Right Out: 0.093 $\pm$ 0.025 χ^2 /NDF: 2249.6/20

Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:655.9/22

Left: 0.548 $\pm$ 0.003 χ^2 /NDF: 1200.9/47

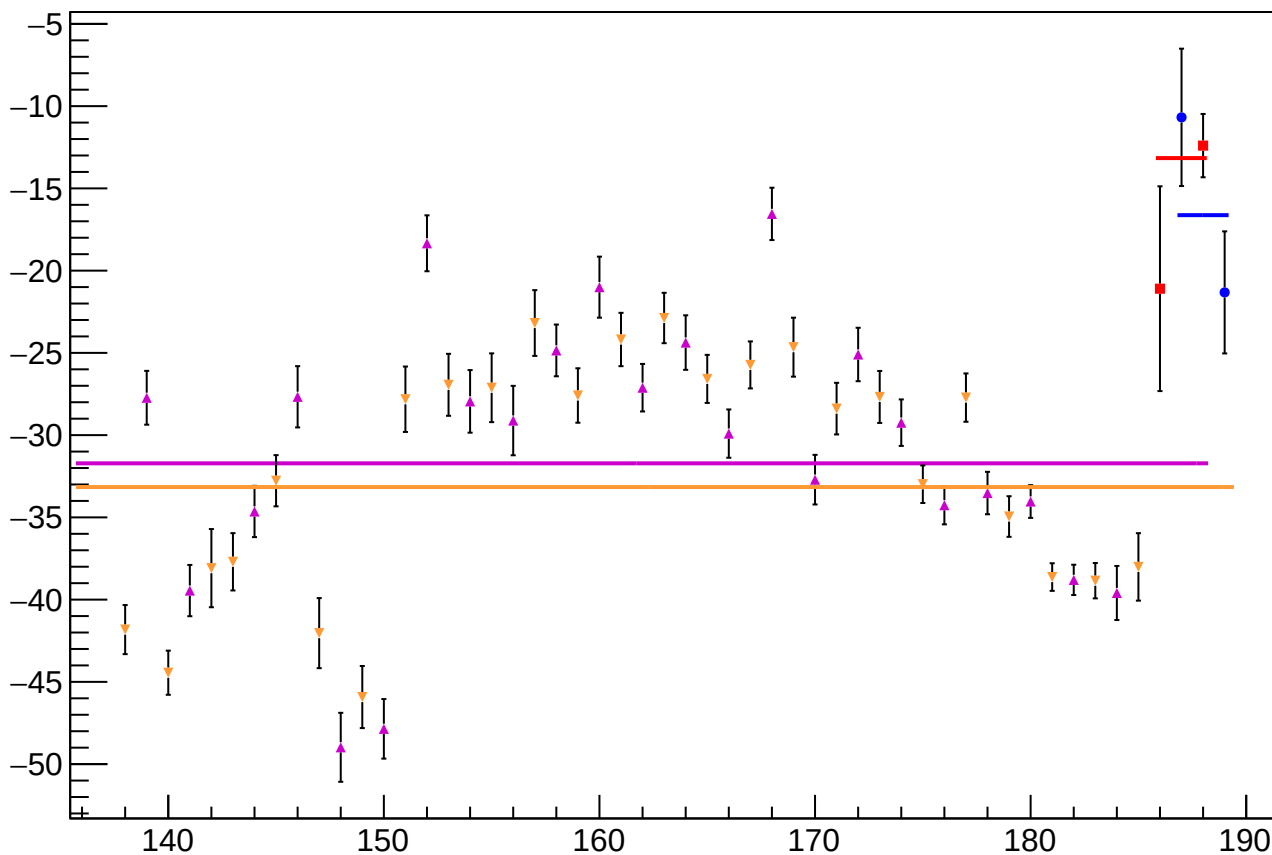
Right: 0.124 $\pm$ 0.017 χ^2 /NDF: 3241.3/39

In: 0.534 $\pm$ 0.004 χ^2 /NDF:1917.6/41

Out: 0.543 $\pm$ 0.004 χ^2 /NDF:3122.2/45

All: 0.538 $\pm$ 0.003 χ^2 /NDF: 5043.0/87

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



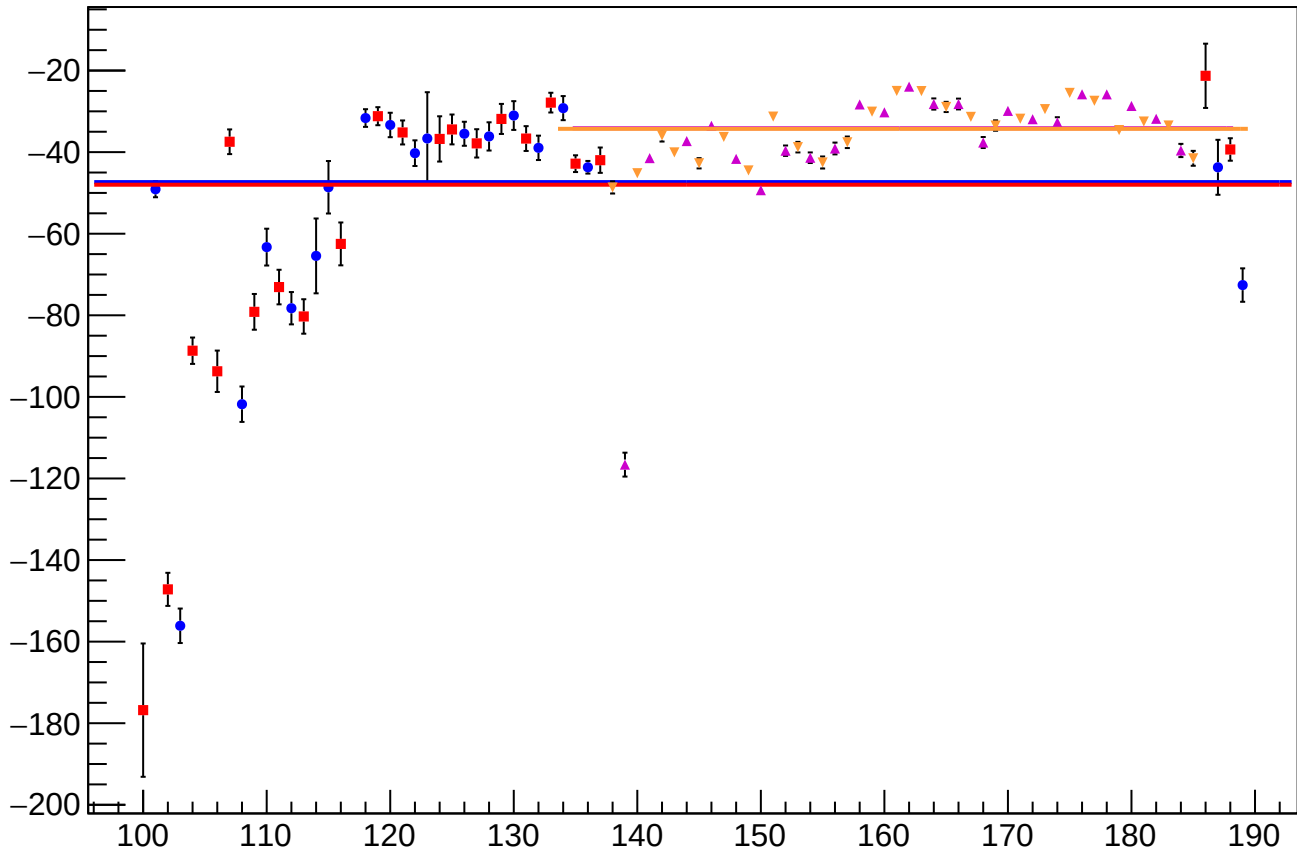
Right In: -16.628 ± 2.774 χ^2/NDF : 3.6/1
 Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24
 Right Out: -13.158 ± 1.838 χ^2/NDF : 1.8/1
 Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

Left: -32.456 ± 0.215 χ^2/NDF : 1053.6/47
 Right: -14.217 ± 1.532 χ^2/NDF : 6.5/3

In: -31.530 ± 0.307 χ^2/NDF : 575.1/24
 Out: -32.637 ± 0.296 χ^2/NDF : 617.2/26

All: -32.103 ± 0.213 χ^2/NDF : 1199.0/51

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -47.347 ± 0.715 $\chi^2/\text{NDF}: 1115.3/18$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -47.987 ± 0.733 $\chi^2/\text{NDF}: 1300.4/20$

Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

Left: -34.219 ± 0.174 $\chi^2/\text{NDF}: 2148.1/47$

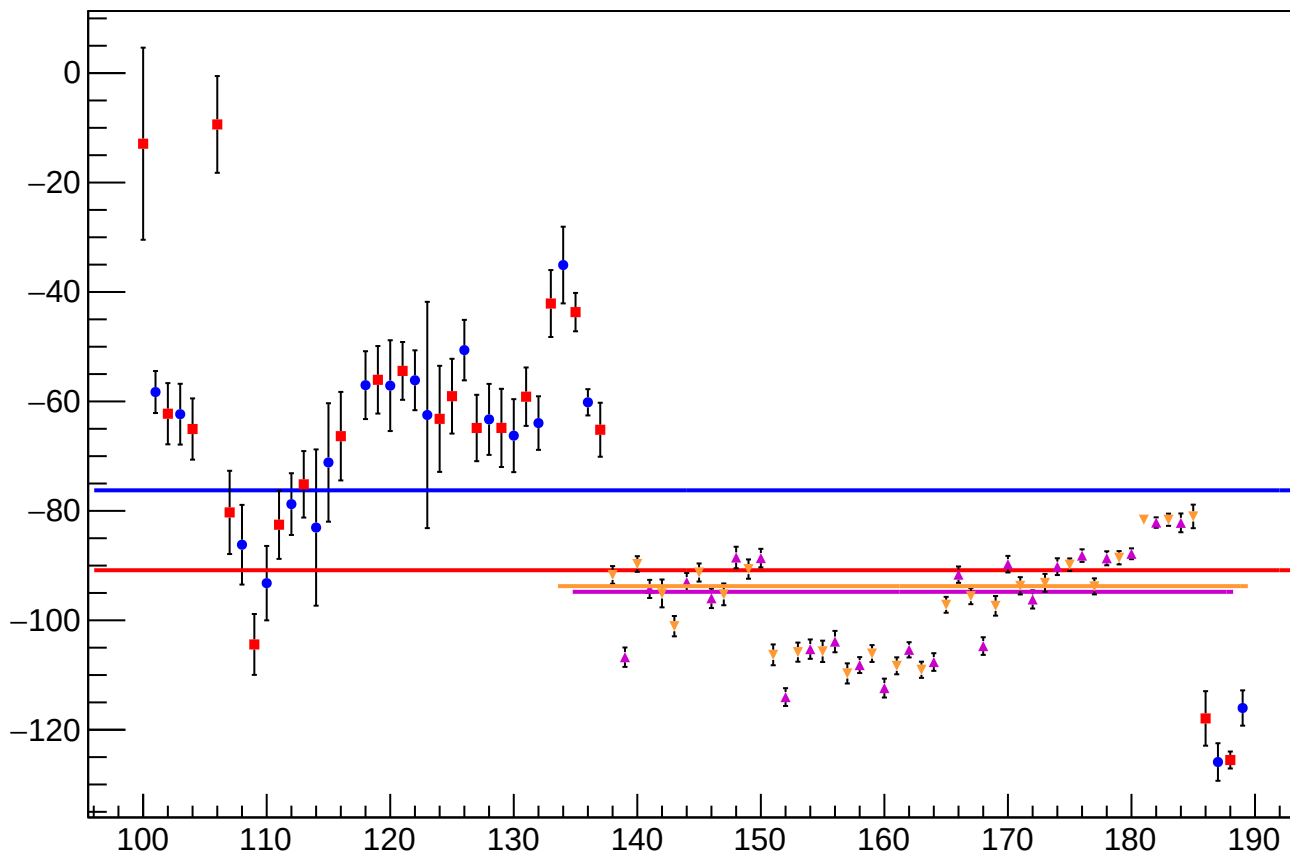
Right: -47.659 ± 0.512 $\chi^2/\text{NDF}: 2416.1/39$

In: -35.591 ± 0.237 $\chi^2/\text{NDF}: 2871.4/41$

Out: -35.627 ± 0.229 $\chi^2/\text{NDF}: 2310.5/45$

All: -35.609 ± 0.165 $\chi^2/\text{NDF}: 5181.9/87$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.246 ± 1.149 $\chi^2/\text{NDF}: 540.8/18$

Left Out: -93.754 ± 0.302 $\chi^2/\text{NDF}: 883.1/24$

Right Out: -90.847 ± 1.011 $\chi^2/\text{NDF}: 1154.8/20$

Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

Left: -94.264 ± 0.216 $\chi^2/\text{NDF}: 1863.6/47$

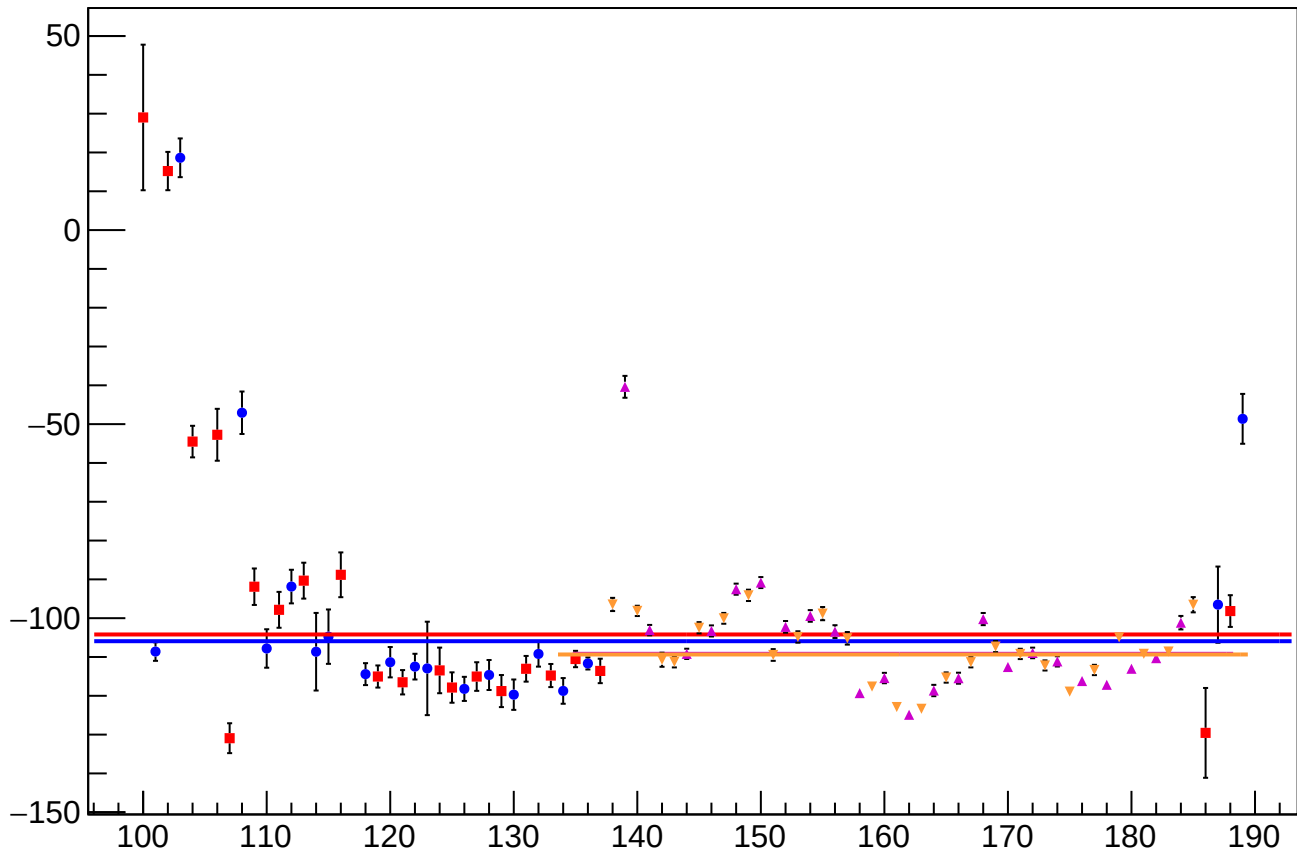
Right: -84.477 ± 0.759 $\chi^2/\text{NDF}: 1786.6/39$

In: -93.549 ± 0.298 $\chi^2/\text{NDF}: 1758.6/41$

Out: -93.516 ± 0.289 $\chi^2/\text{NDF}: 2045.4/45$

All: -93.532 ± 0.207 $\chi^2/\text{NDF}: 3804.0/87$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -109.270 ± 0.195 χ^2/NDF : 2328.1/47

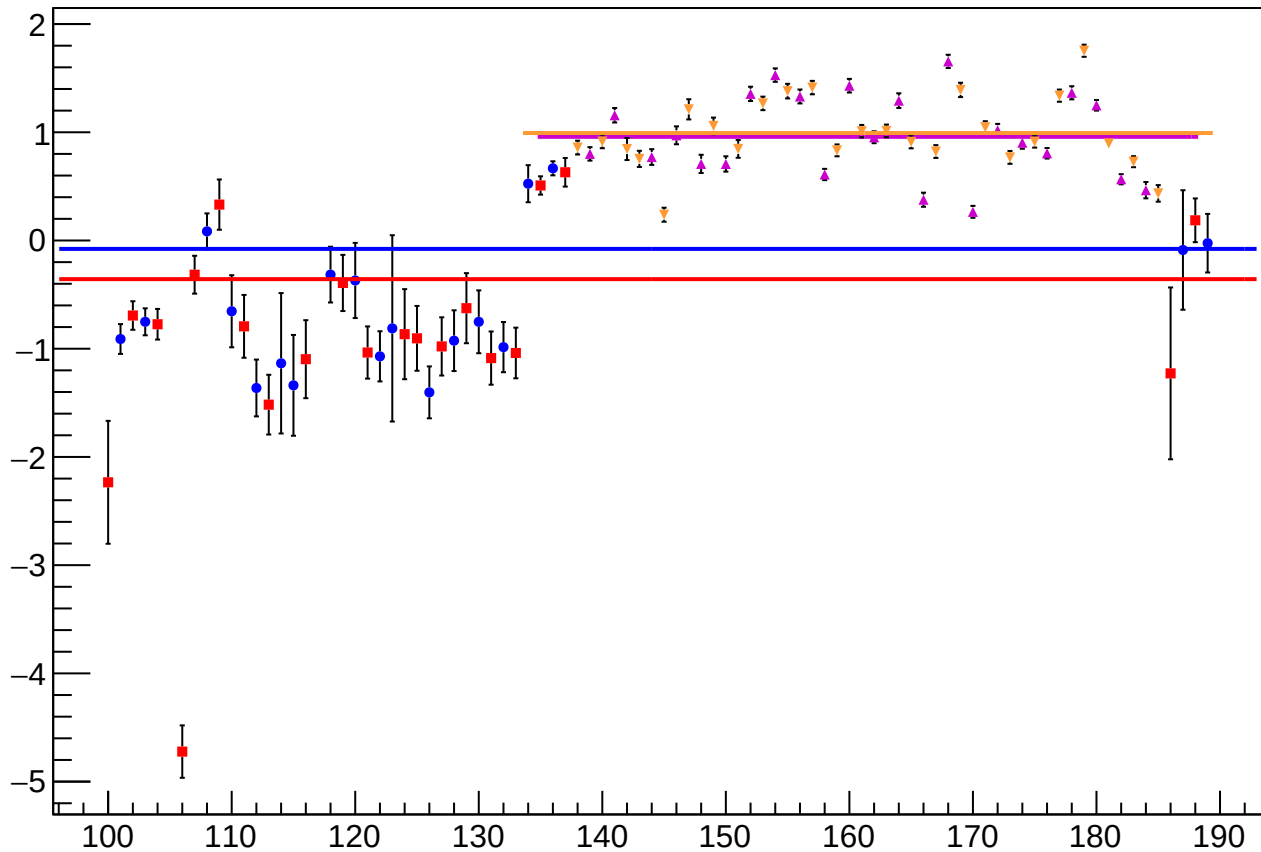
Right: -105.099 ± 0.583 χ^2/NDF : 1938.3/39

In: -108.836 ± 0.265 χ^2/NDF : 2424.2/41

Out: -108.867 ± 0.258 χ^2/NDF : 1888.3/45

All: -108.852 ± 0.185 χ^2/NDF : 4312.5/87

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.976 ± 0.009 χ^2/NDF : 1537.0/47

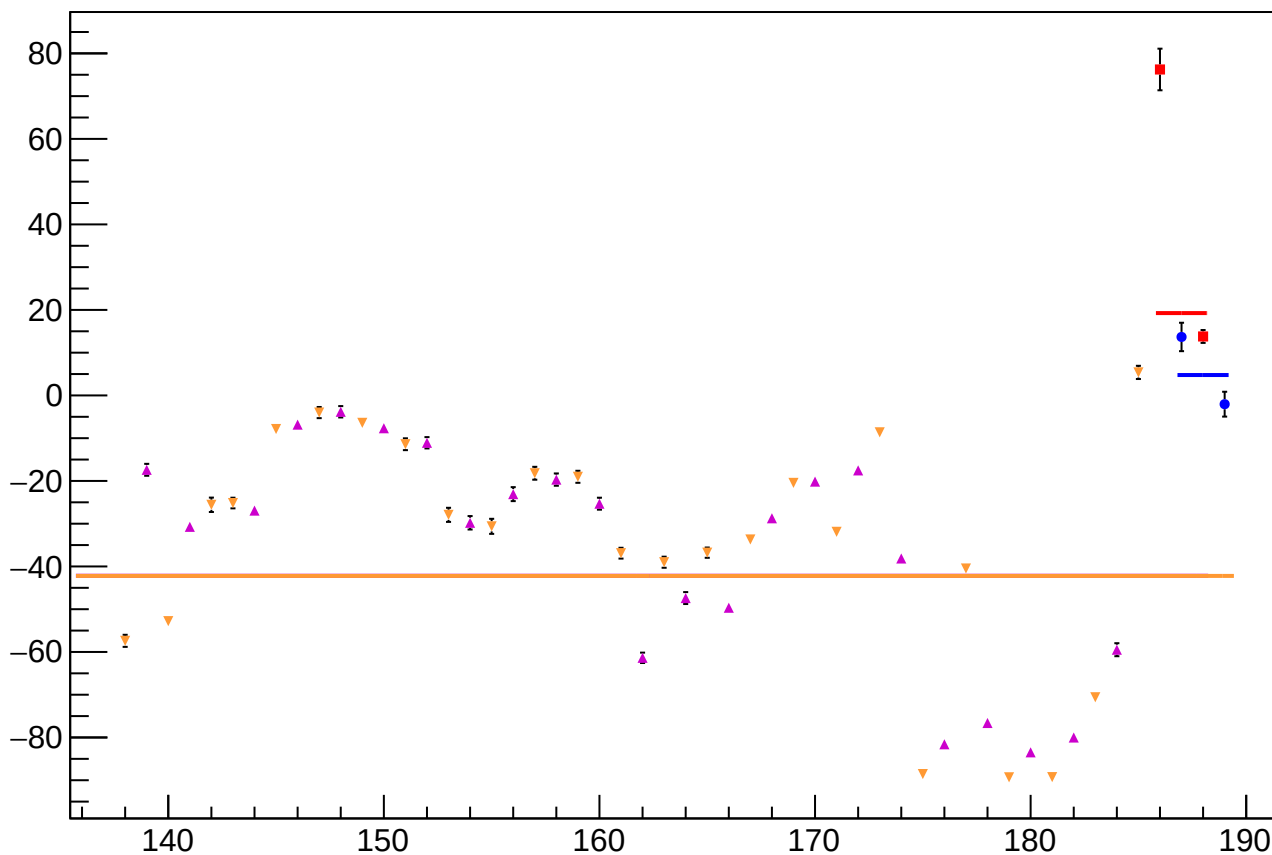
Right: -0.213 ± 0.030 χ^2/NDF : 939.3/39

In: 0.870 ± 0.012 χ^2/NDF : 1788.6/41

Out: 0.889 ± 0.012 χ^2/NDF : 2138.5/45

All: 0.880 ± 0.008 χ^2/NDF : 3928.2/87

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 14575.9/22$

Left: -42.195 ± 0.159 $\chi^2/\text{NDF}: 32885.0/47$

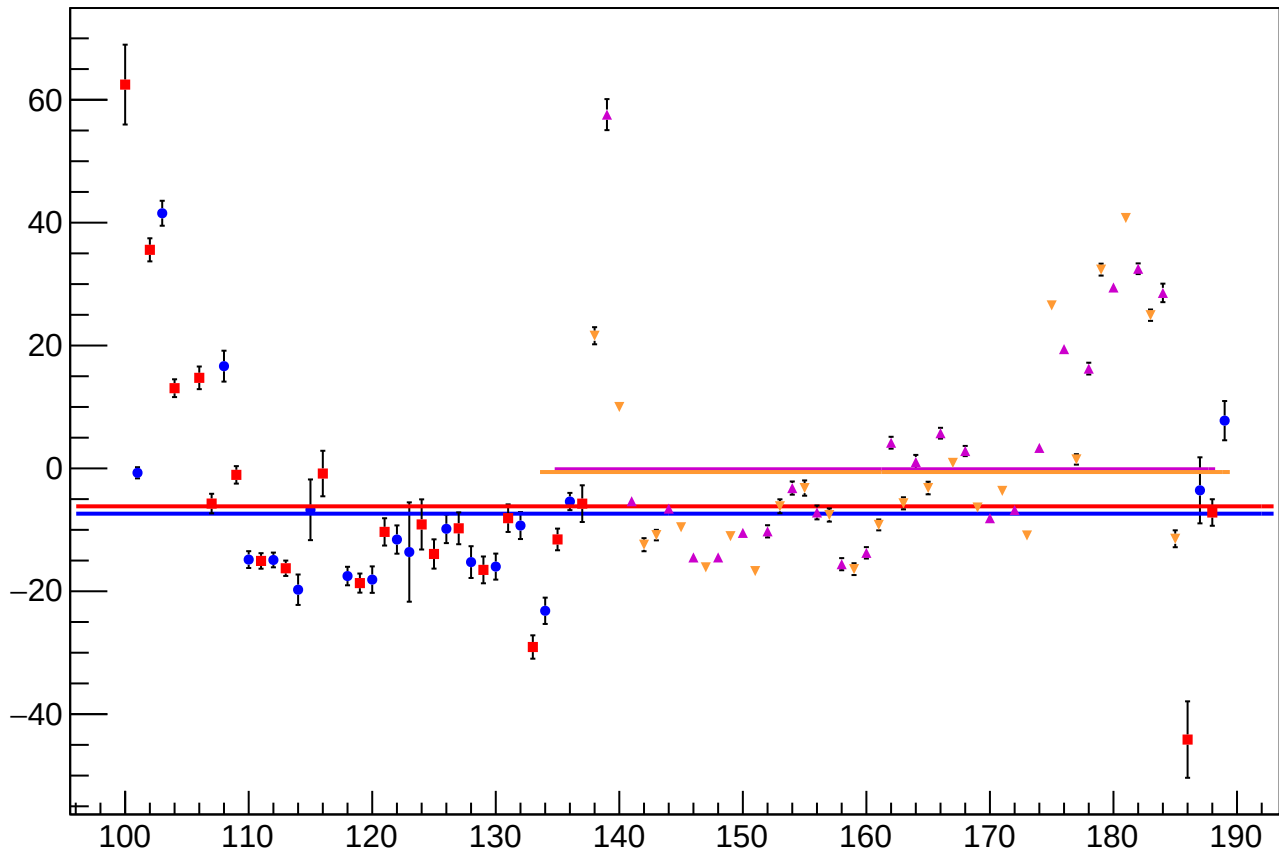
Right: 14.880 ± 1.203 $\chi^2/\text{NDF}: 193.5/3$

In: -41.676 ± 0.226 $\chi^2/\text{NDF}: 15043.9/24$

Out: -40.786 ± 0.219 $\chi^2/\text{NDF}: 20238.9/26$

All: -41.218 ± 0.157 $\chi^2/\text{NDF}: 35290.8/51$

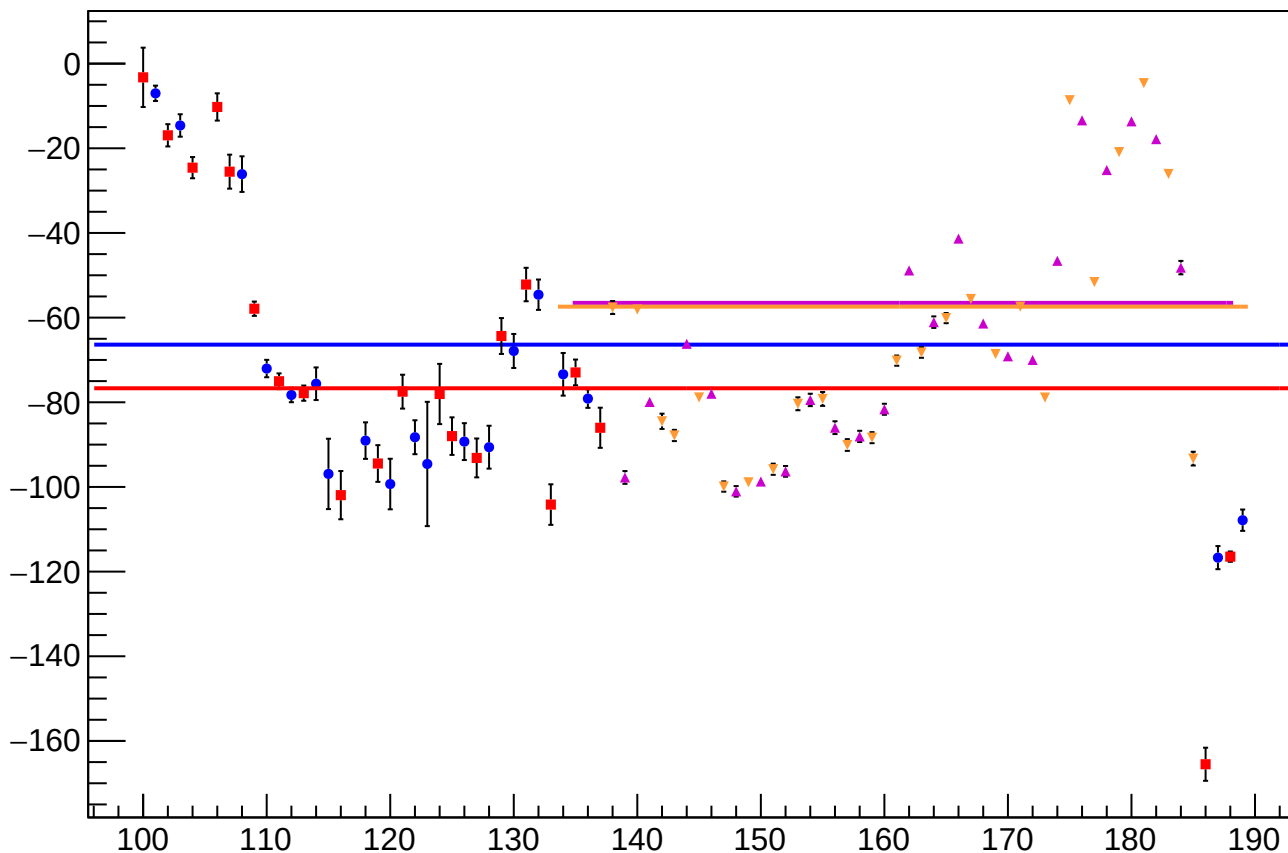
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.368 ± 0.426 $\chi^2/\text{NDF}: 999.3/18$
 Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$
 Right Out: -6.174 ± 0.420 $\chi^2/\text{NDF}: 1336.2/20$
 Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

Left: -0.372 ± 0.125 $\chi^2/\text{NDF}: 15616.6/47$
 Right: -6.764 ± 0.299 $\chi^2/\text{NDF}: 2339.5/39$
 In: -1.230 ± 0.165 $\chi^2/\text{NDF}: 8106.8/41$
 Out: -1.409 ± 0.161 $\chi^2/\text{NDF}: 10237.9/45$
 All: -1.322 ± 0.115 $\chi^2/\text{NDF}: 18345.3/87$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -56.974+/-0.159 χ^2/NDF : 34964.5/47

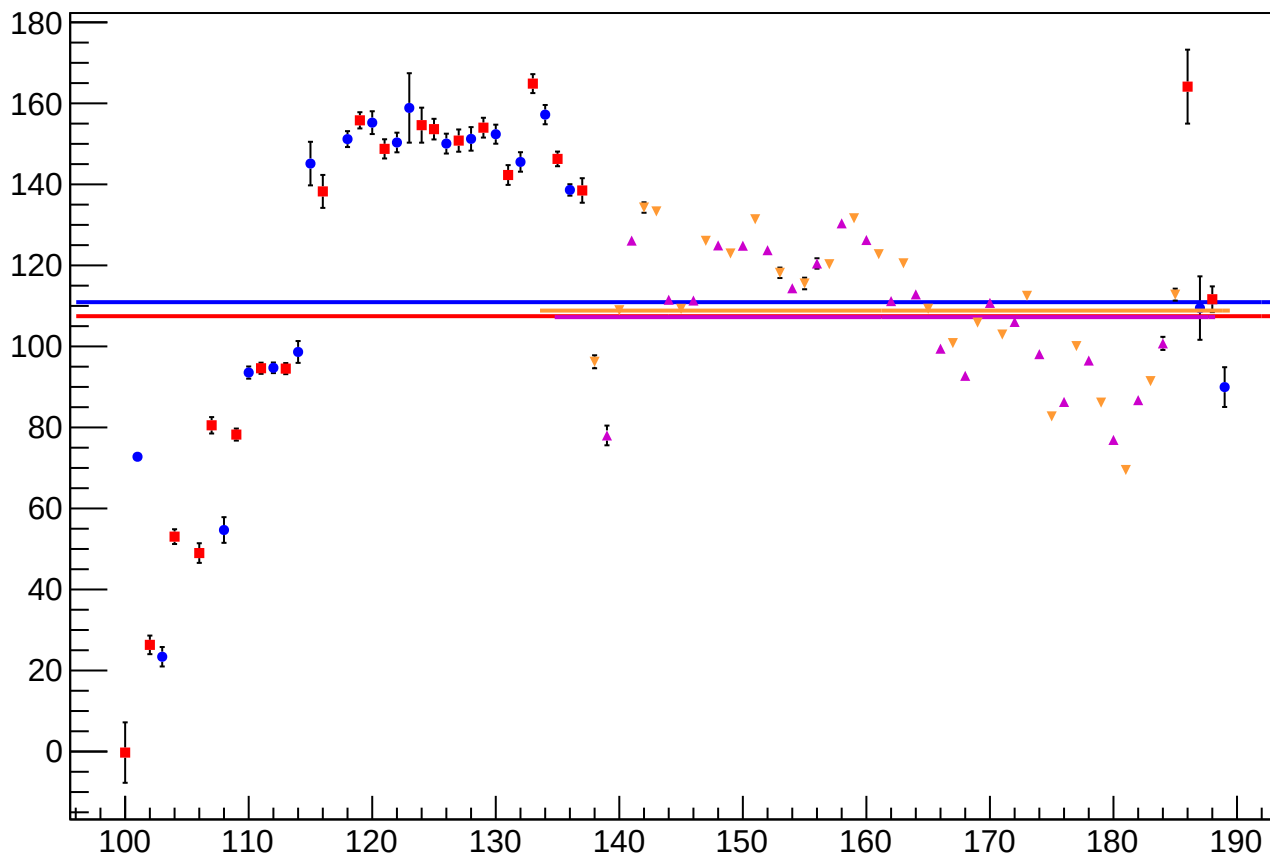
Right: -72.251+/-0.455 χ^2/NDF : 6037.3/39

In: -57.476+/-0.216 χ^2/NDF :18951.7/41

Out: -59.737+/-0.209 χ^2/NDF :22998.7/45

All: -58.641+/-0.150 χ^2/NDF : 42007.0/87

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 108.056 $\pm$ 0.141 χ^2 /NDF: 12998.4/47

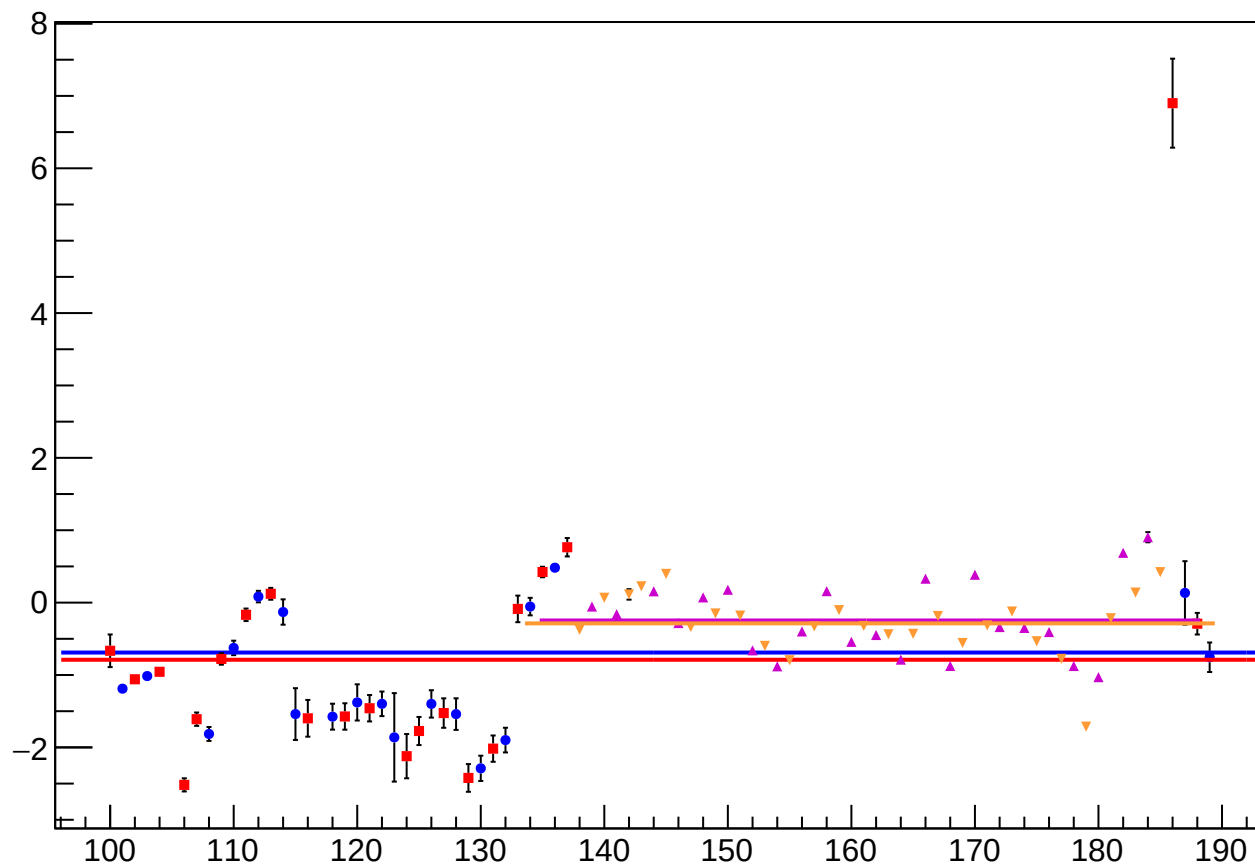
Right: 109.177 $\pm$ 0.342 χ^2 /NDF: 12991.1/39

In: 107.771 $\pm$ 0.187 χ^2 /NDF: 11496.6/41

Out: 108.648 $\pm$ 0.183 χ^2 /NDF: 14490.8/45

All: 108.219 $\pm$ 0.131 χ^2 /NDF: 25998.6/87

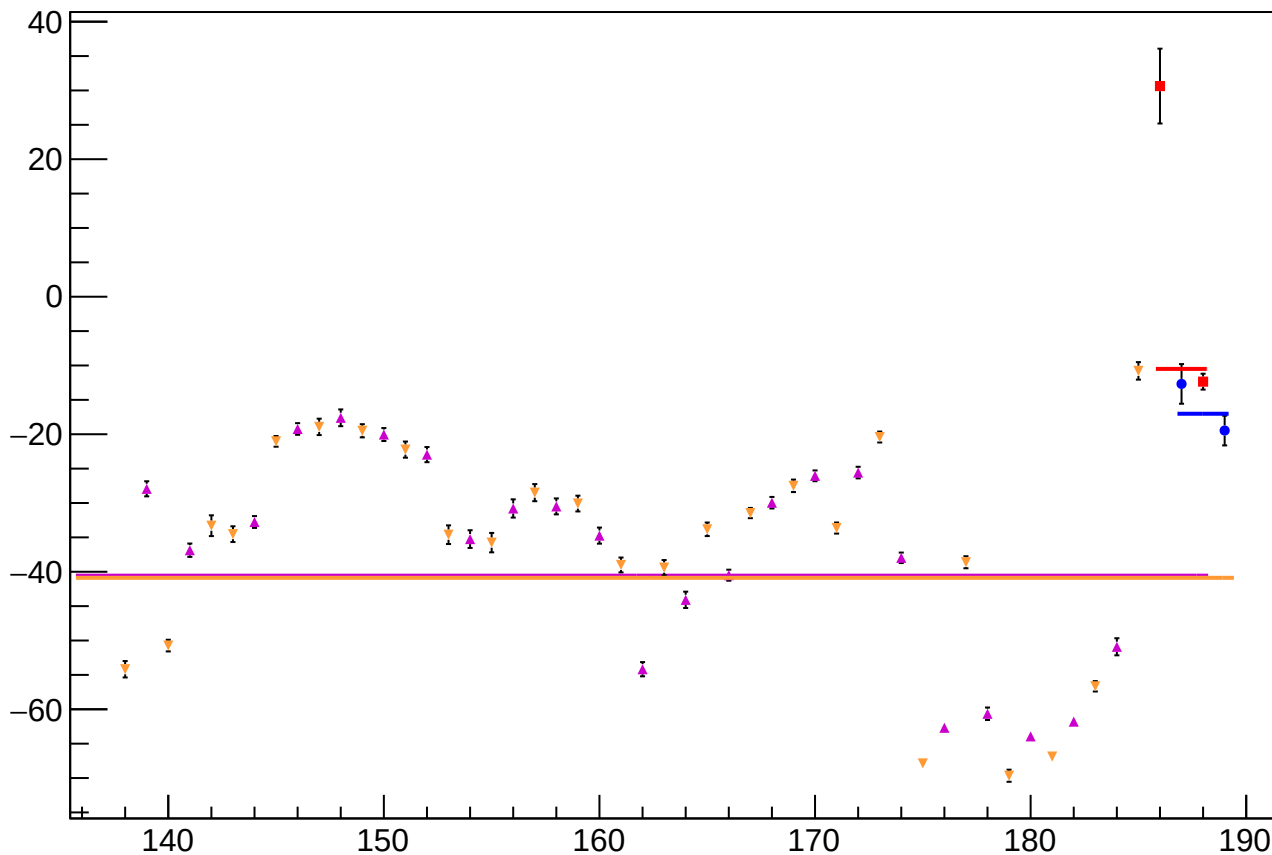
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -0.267 ± 0.006 χ^2/NDF : 4855.3/47
 Right: -0.743 ± 0.018 χ^2/NDF : 2471.8/39
 In: -0.298 ± 0.009 χ^2/NDF : 4050.1/41
 Out: -0.350 ± 0.008 χ^2/NDF : 3906.6/45
 All: -0.324 ± 0.006 χ^2/NDF : 7974.8/87

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



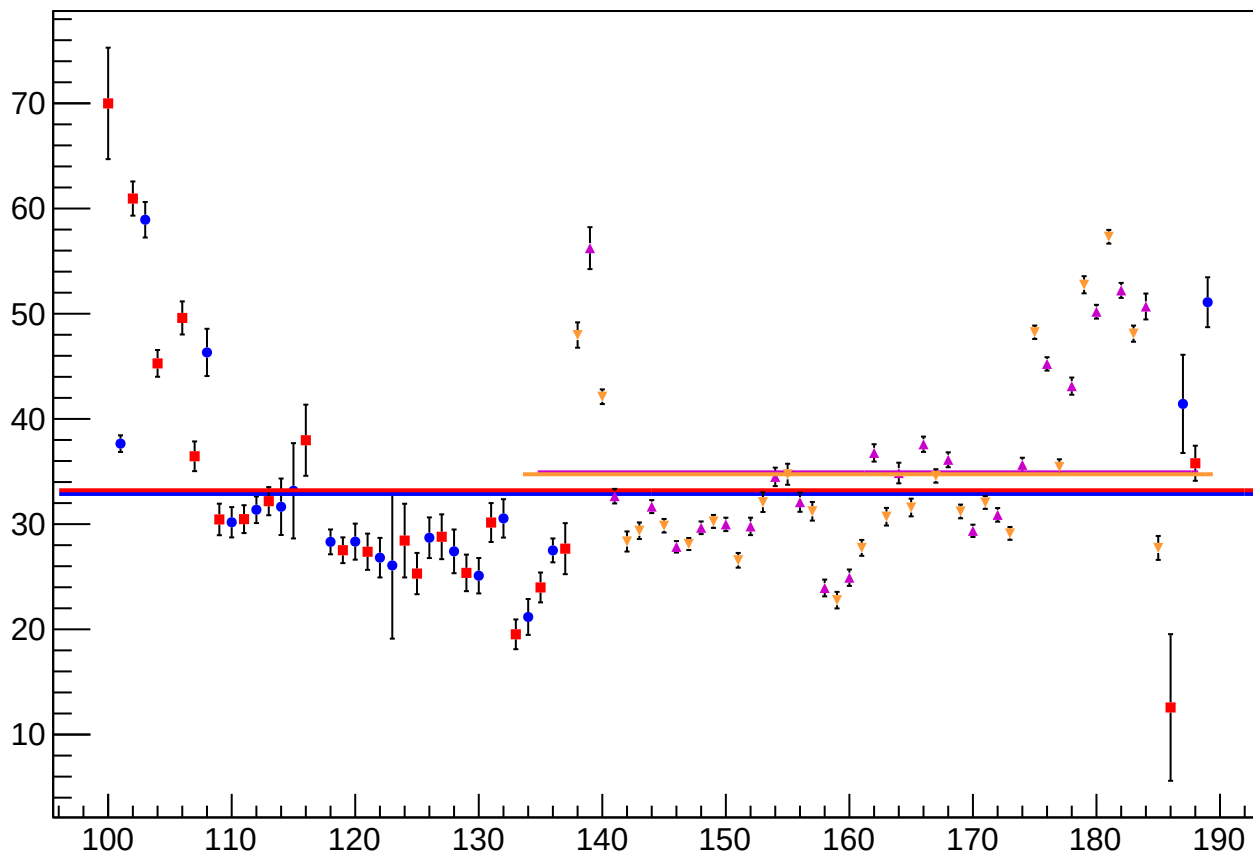
Right In: -17.020 ± 1.730 χ^2/NDF : 3.5/1
 Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24
 Right Out: -10.498 ± 1.130 χ^2/NDF : 59.7/1
 Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

Left: -40.726 ± 0.133 χ^2/NDF : 16079.4/47
 Right: -12.448 ± 0.946 χ^2/NDF : 73.2/3

In: -40.287 ± 0.189 χ^2/NDF : 7141.3/24
 Out: -40.077 ± 0.184 χ^2/NDF : 9887.0/26

All: -40.179 ± 0.132 χ^2/NDF : 17028.9/51

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.870 ± 0.370 $\chi^2/\text{NDF}: 514.8/18$

Left Out: 34.741 ± 0.147 $\chi^2/\text{NDF}: 3693.2/24$

Right Out: 33.218 ± 0.369 $\chi^2/\text{NDF}: 784.5/20$

Left In: 34.922 ± 0.152 $\chi^2/\text{NDF}: 2672.9/22$

Left: 34.829 ± 0.106 $\chi^2/\text{NDF}: 6366.8/47$

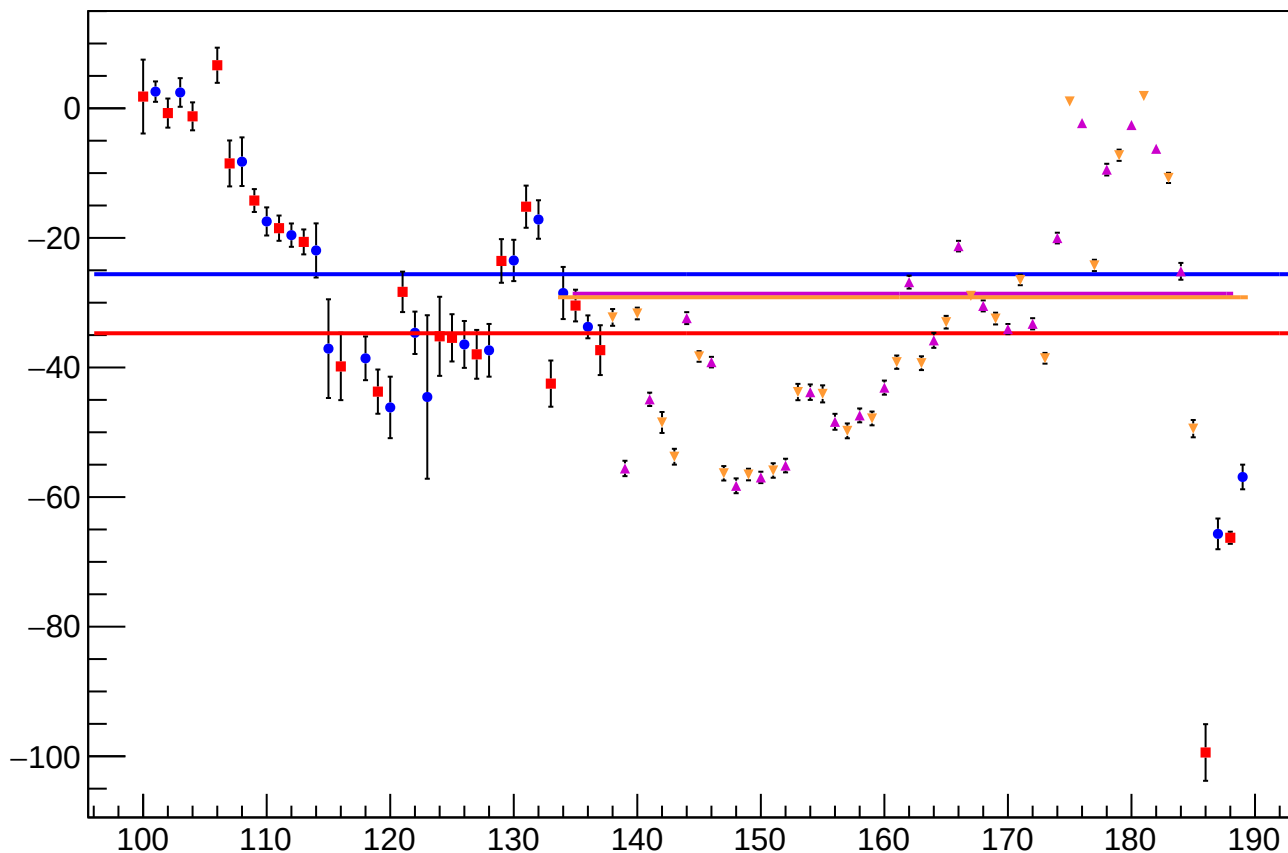
Right: 33.044 ± 0.261 $\chi^2/\text{NDF}: 1299.7/39$

In: 34.628 ± 0.140 $\chi^2/\text{NDF}: 3214.0/41$

Out: 34.531 ± 0.137 $\chi^2/\text{NDF}: 4492.3/45$

All: 34.578 ± 0.098 $\chi^2/\text{NDF}: 7706.5/87$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -28.894 ± 0.133 χ^2/NDF : 19171.1/47

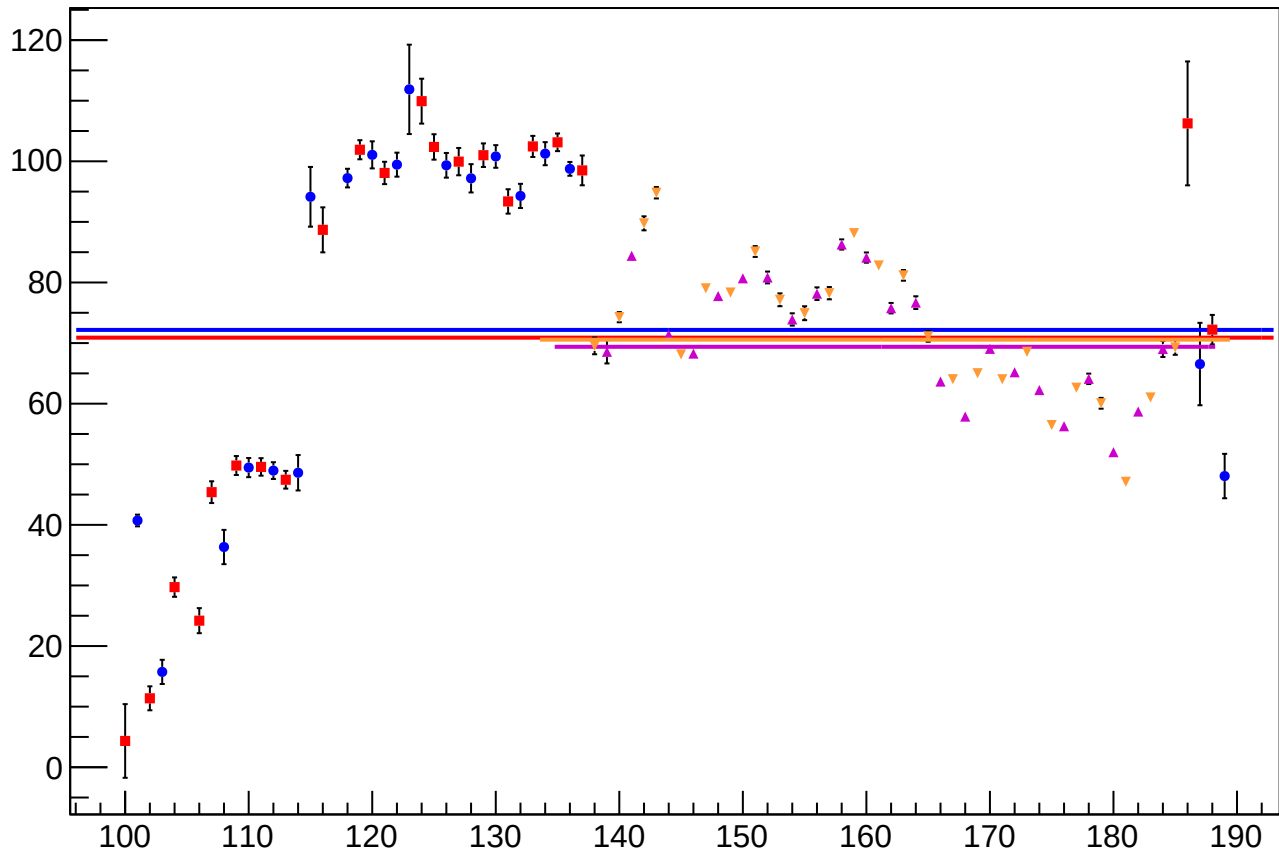
Right: -30.823 ± 0.399 χ^2/NDF : 3791.1/39

In: -28.350 ± 0.181 χ^2/NDF : 10242.0/41

Out: -29.785 ± 0.176 χ^2/NDF : 12709.1/45

All: -29.088 ± 0.126 χ^2/NDF : 22983.4/87

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 69.989 $\pm$ 0.119 χ^2 /NDF: 7935.4/47

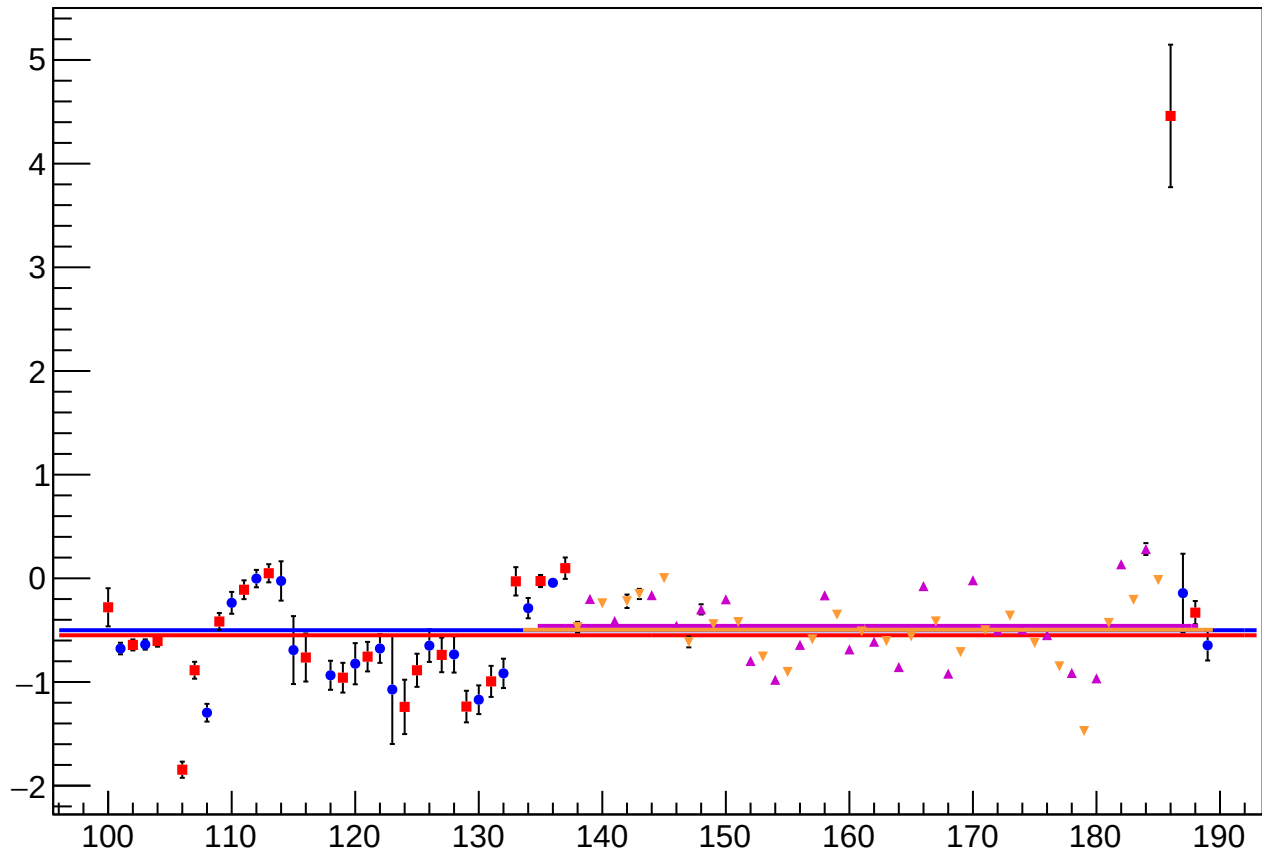
Right: 71.538 $\pm$ 0.301 χ^2 /NDF: 10228.2/39

In: 69.772 $\pm$ 0.158 χ^2 /NDF:8075.7/41

Out: 70.607 $\pm$ 0.155 χ^2 /NDF:10096.5/45

All: 70.198 $\pm$ 0.111 χ^2 /NDF: 18186.5/87

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -0.478 ± 0.005 χ^2/NDF : 3419.9/47

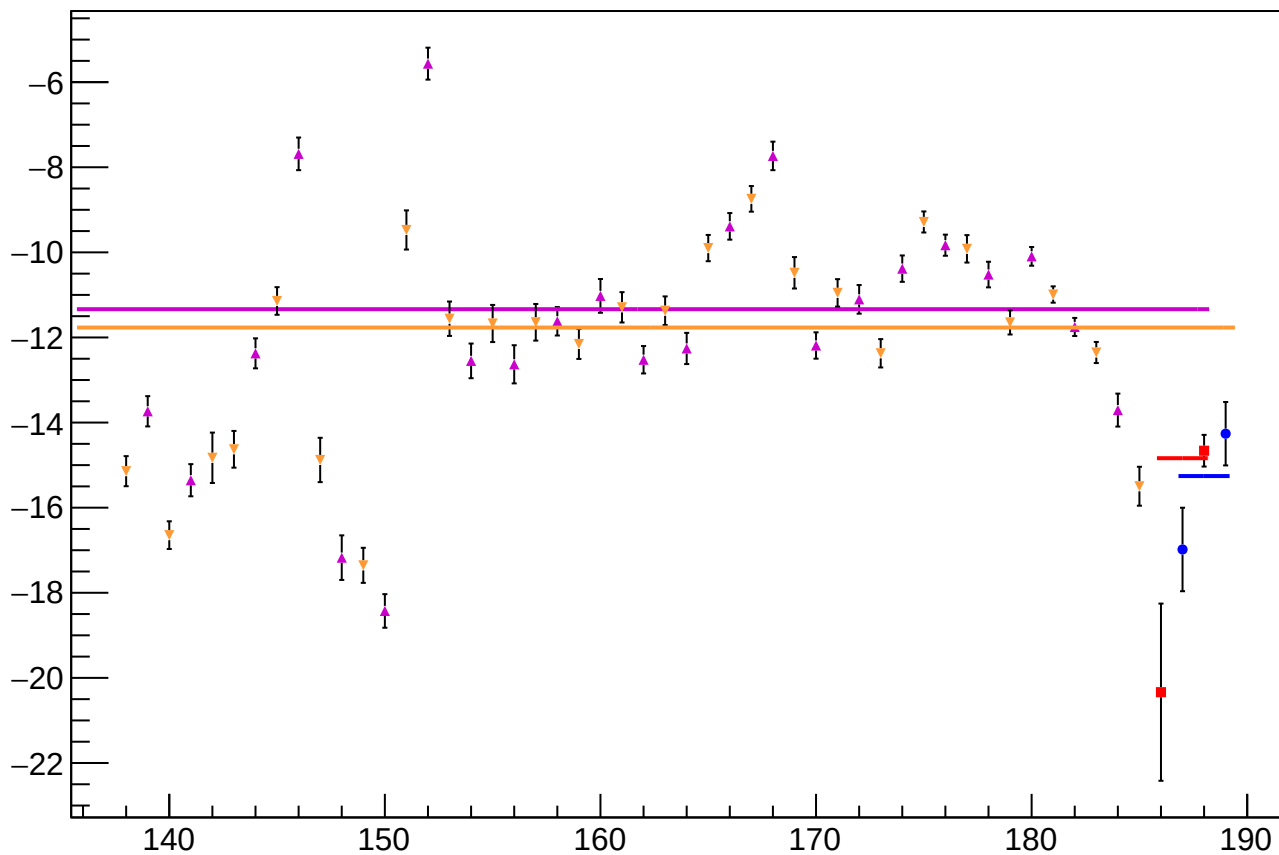
Right: -0.526 ± 0.015 χ^2/NDF : 924.1/39

In: -0.463 ± 0.007 χ^2/NDF : 2265.6/41

Out: -0.503 ± 0.007 χ^2/NDF : 2072.4/45

All: -0.483 ± 0.005 χ^2/NDF : 4352.9/87

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.257 ± 0.593 χ^2/NDF : 4.9/1

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -14.837 ± 0.366 χ^2/NDF : 7.2/1

Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

Left: -11.556 ± 0.048 χ^2/NDF : 2310.6/47

Right: -14.953 ± 0.312 χ^2/NDF : 12.4/3

In: -11.387 ± 0.068 χ^2/NDF : 1317.3/24

Out: -11.865 ± 0.066 χ^2/NDF : 1096.0/26

All: -11.633 ± 0.047 χ^2/NDF : 2439.1/51

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.241 ± 0.149 χ^2/NDF : 1380.9/18

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -33.986 ± 0.145 χ^2/NDF : 1400.4/20

Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

Left: -30.169 ± 0.039 χ^2/NDF : 1961.5/47

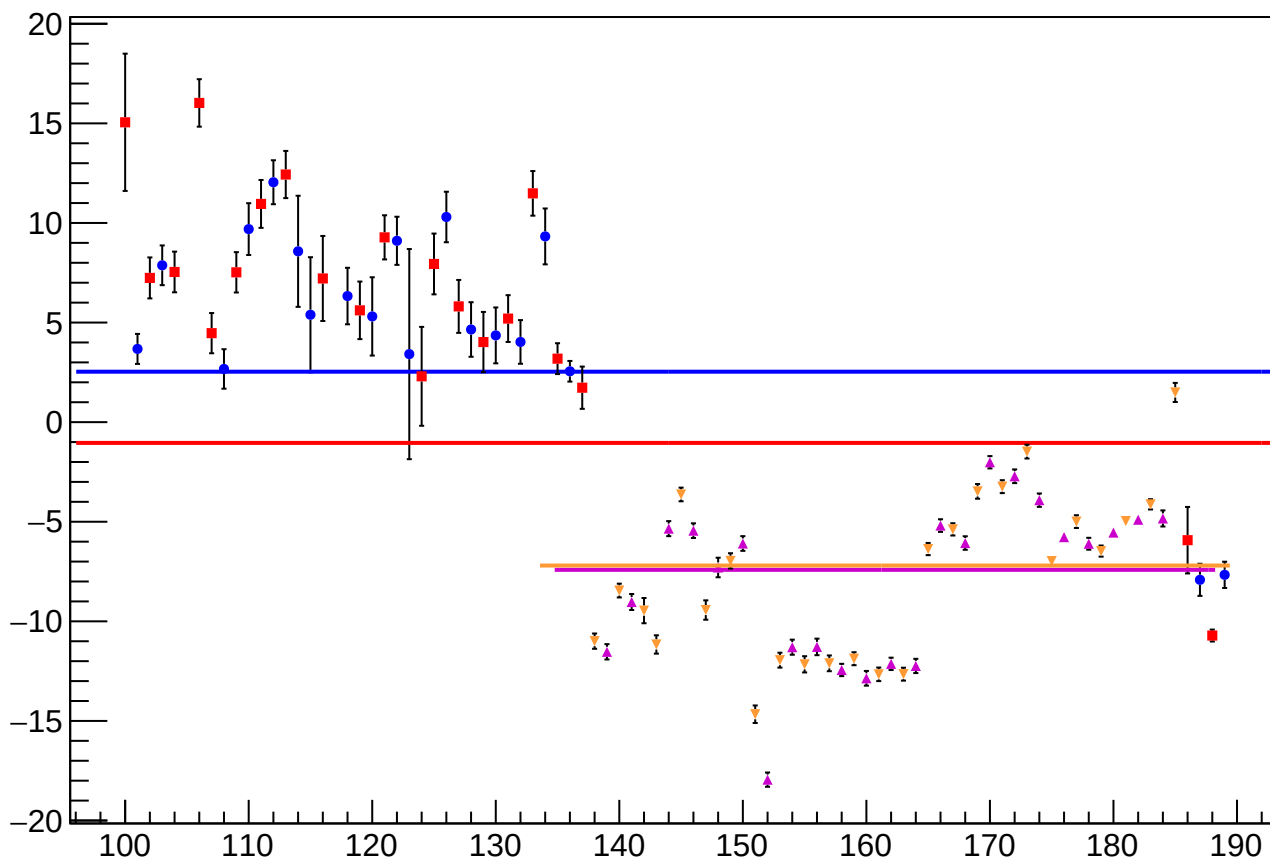
Right: -34.110 ± 0.104 χ^2/NDF : 2782.8/39

In: -30.627 ± 0.052 χ^2/NDF : 3279.5/41

Out: -30.668 ± 0.050 χ^2/NDF : 2728.1/45

All: -30.648 ± 0.036 χ^2/NDF : 6007.9/87

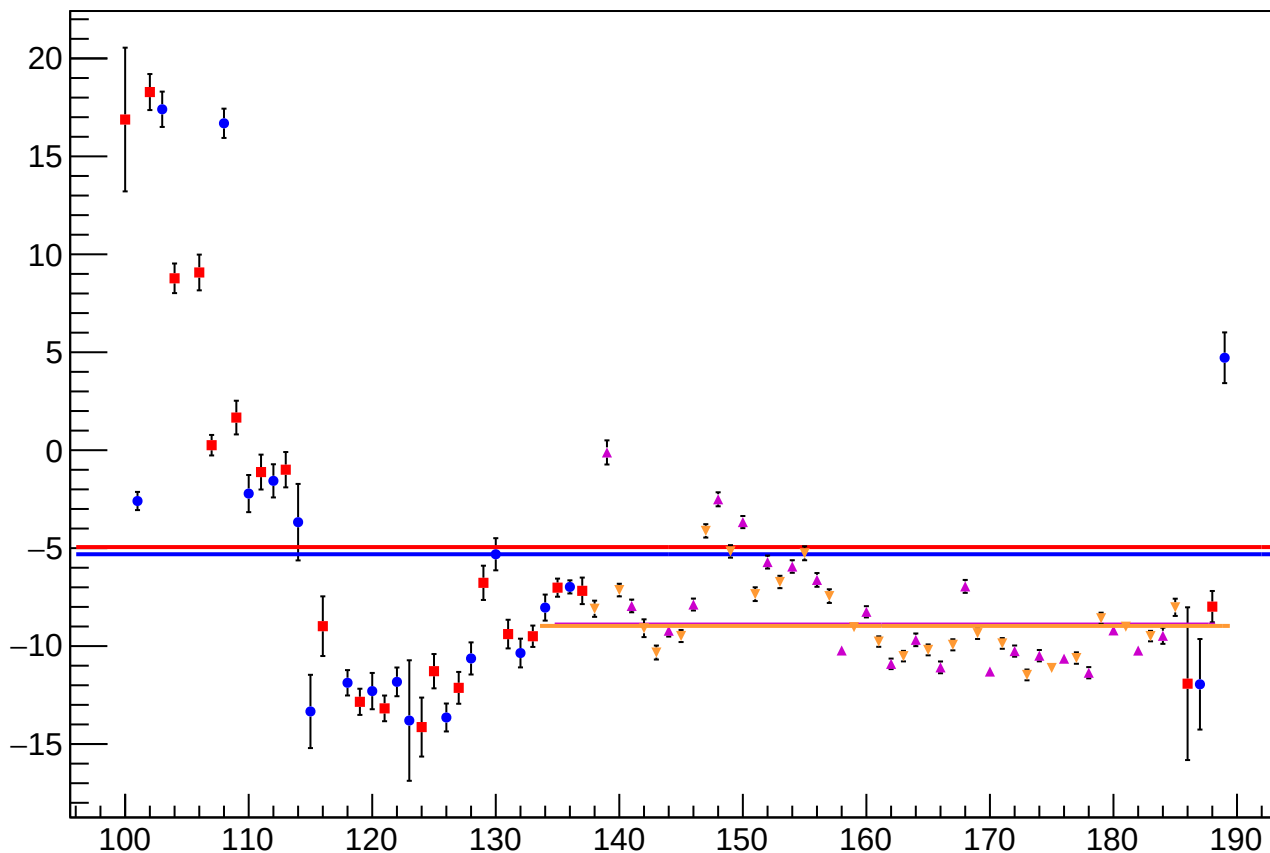
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -7.305 $\pm$ 0.048 χ^2 /NDF: 6165.7/47
 Right: 0.439 $\pm$ 0.154 χ^2 /NDF: 2910.6/39
 In: -6.674 $\pm$ 0.065 χ^2 /NDF:5378.0/41
 Out: -6.587 $\pm$ 0.063 χ^2 /NDF:6006.1/45
 All: -6.629 $\pm$ 0.046 χ^2 /NDF: 11384.9/87

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -8.936 ± 0.043 χ^2/NDF : 2413.4/47

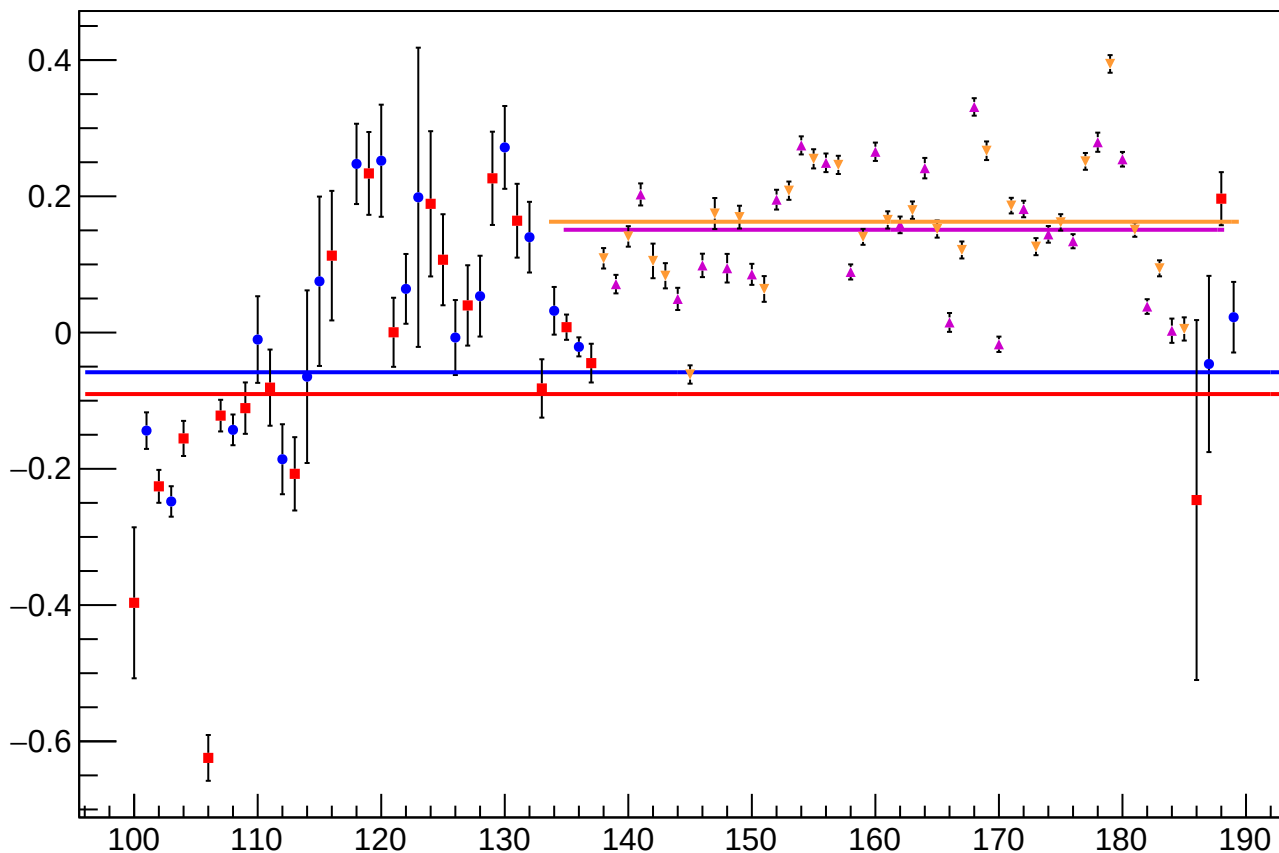
Right: -5.128 ± 0.120 χ^2/NDF : 4234.3/39

In: -8.479 ± 0.058 χ^2/NDF : 4097.3/41

Out: -8.518 ± 0.057 χ^2/NDF : 3447.6/45

All: -8.499 ± 0.041 χ^2/NDF : 7545.2/87

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.157 ± 0.002 χ^2/NDF : 2313.9/47

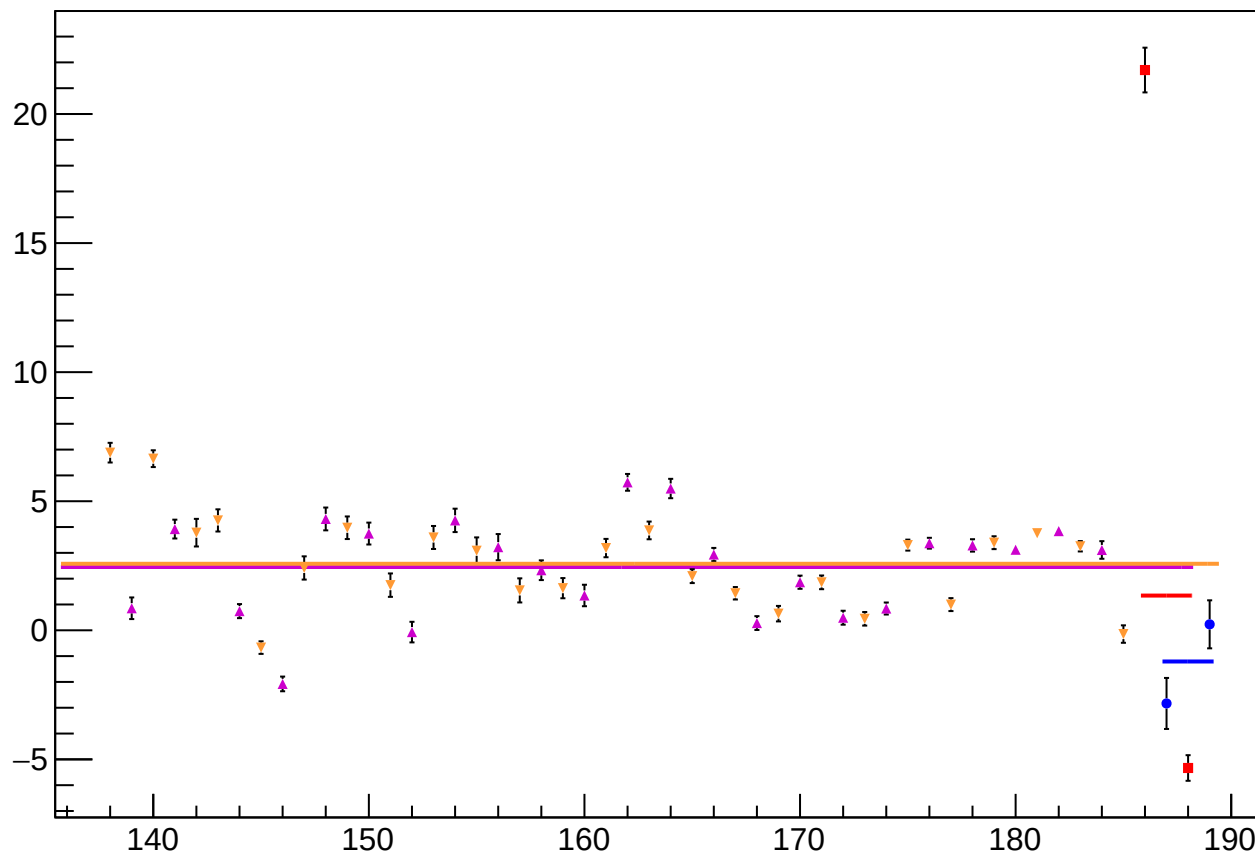
Right: -0.074 ± 0.006 χ^2/NDF : 714.6/39

In: 0.130 ± 0.003 χ^2/NDF : 2077.1/41

Out: 0.138 ± 0.003 χ^2/NDF : 2356.0/45

All: 0.134 ± 0.002 χ^2/NDF : 4437.7/87

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 871.3/22$

Left: 2.516 ± 0.042 $\chi^2/\text{NDF}: 1741.0/47$

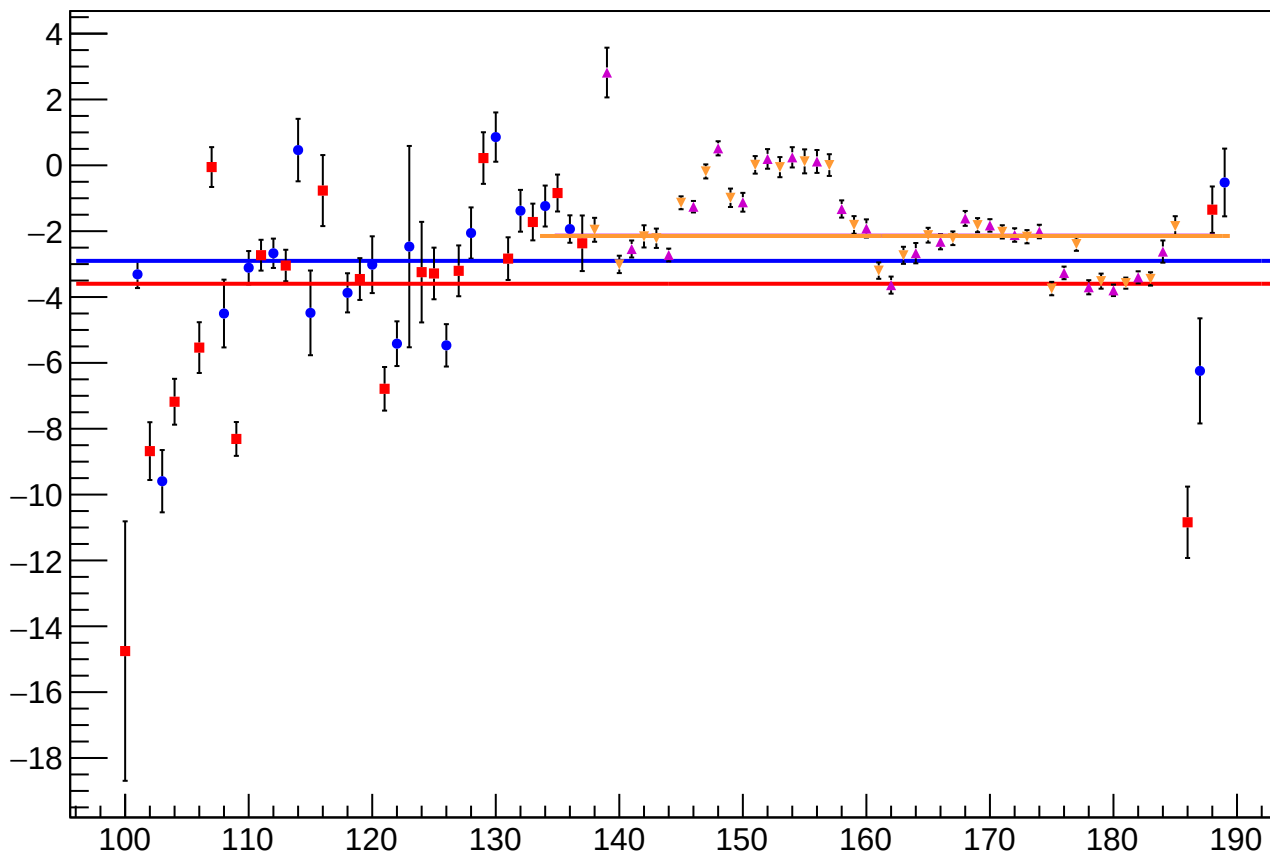
Right: 0.610 ± 0.363 $\chi^2/\text{NDF}: 748.3/3$

In: 2.424 ± 0.059 $\chi^2/\text{NDF}: 905.3/24$

Out: 2.555 ± 0.058 $\chi^2/\text{NDF}: 1608.6/26$

All: 2.491 ± 0.041 $\chi^2/\text{NDF}: 2516.4/51$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.902 ± 0.153 $\chi^2/\text{NDF}: 154.7/18$

Left Out: -2.146 ± 0.048 $\chi^2/\text{NDF}: 573.4/24$

Right Out: -3.597 ± 0.150 $\chi^2/\text{NDF}: 345.7/20$

Left In: -2.136 ± 0.048 $\chi^2/\text{NDF}: 691.2/22$

Left: -2.141 ± 0.034 $\chi^2/\text{NDF}: 1264.6/47$

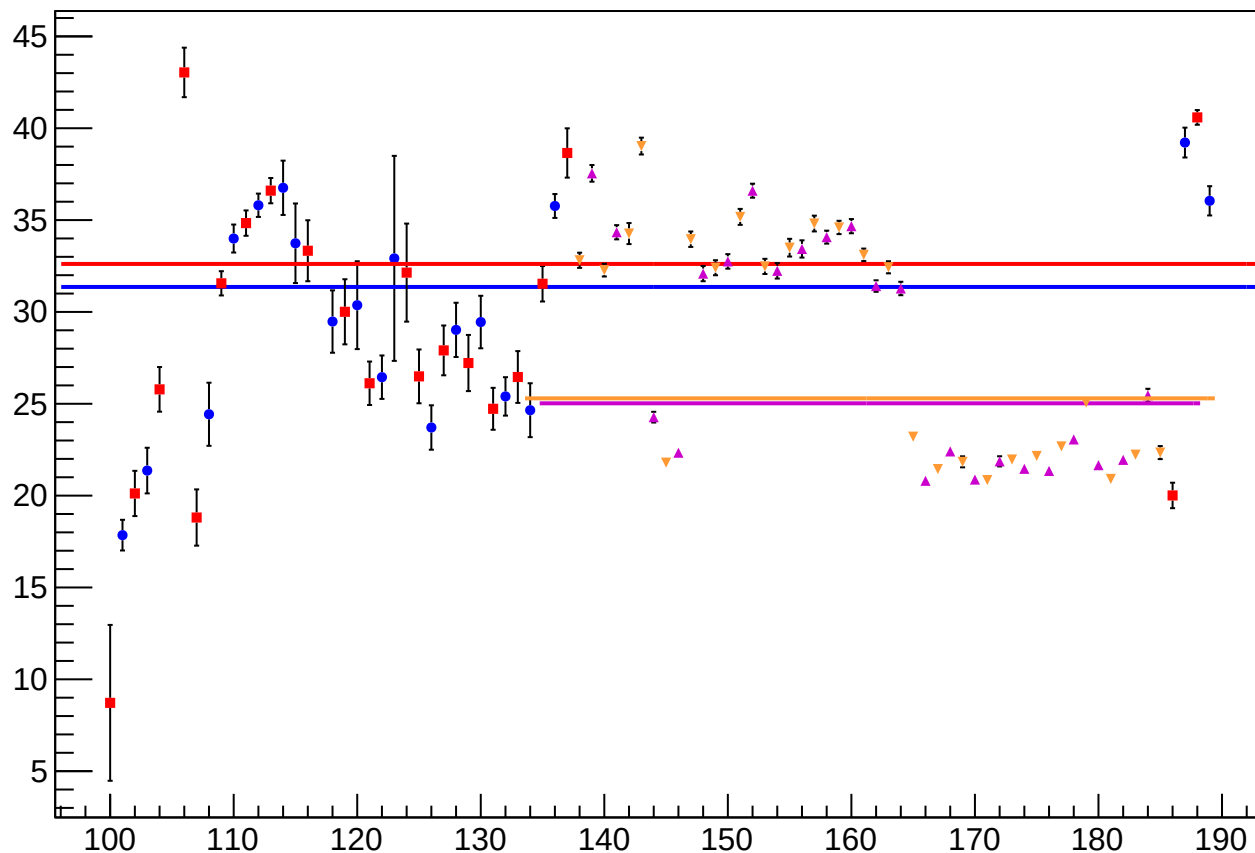
Right: -3.256 ± 0.107 $\chi^2/\text{NDF}: 511.0/39$

In: -2.206 ± 0.046 $\chi^2/\text{NDF}: 868.8/41$

Out: -2.279 ± 0.045 $\chi^2/\text{NDF}: 1004.4/45$

All: -2.243 ± 0.032 $\chi^2/\text{NDF}: 1874.4/87$

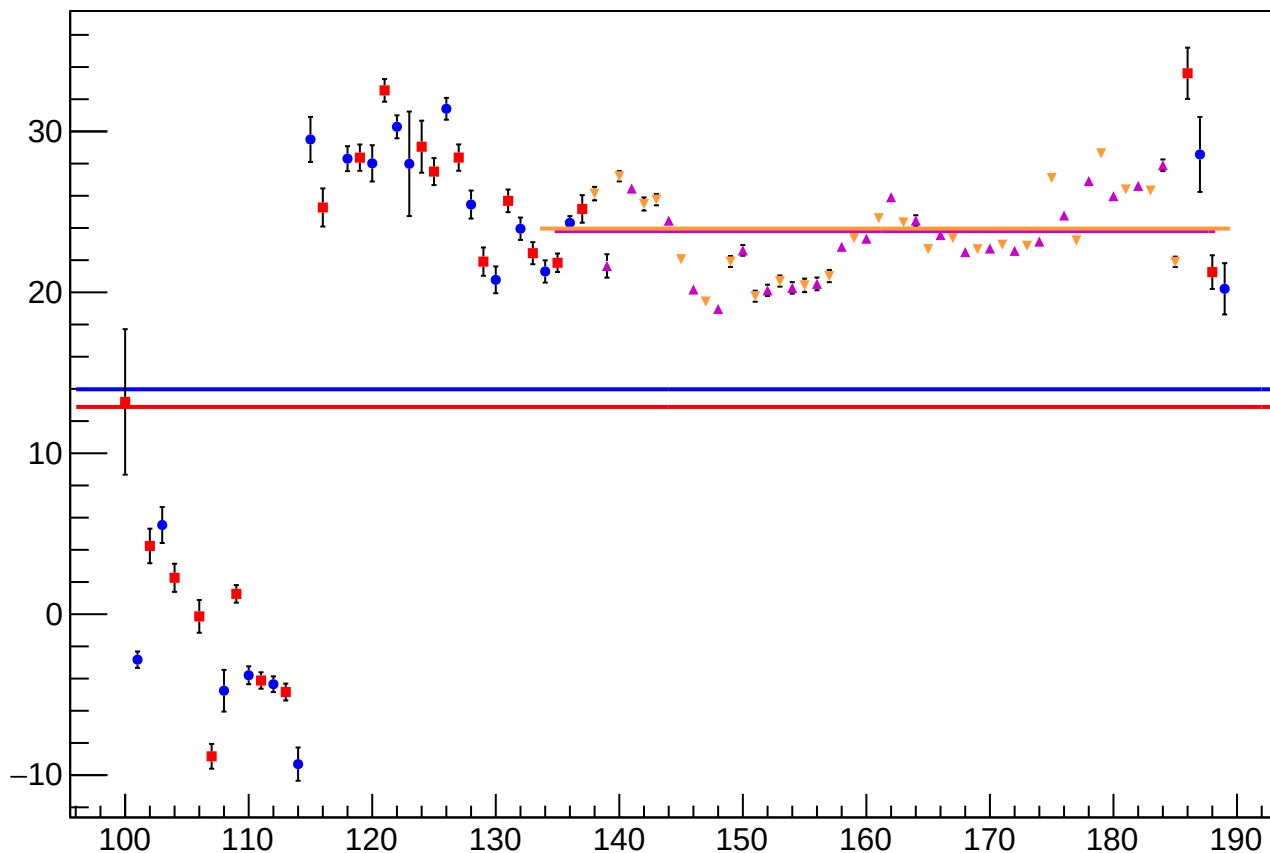
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 7610.5/22$

Left: 25.162 ± 0.042 $\chi^2/\text{NDF}: 15893.3/47$
 Right: 32.081 ± 0.158 $\chi^2/\text{NDF}: 1968.8/39$
 In: 25.387 ± 0.058 $\chi^2/\text{NDF}: 8964.2/41$
 Out: 25.837 ± 0.057 $\chi^2/\text{NDF}: 10660.7/45$
 All: 25.617 ± 0.040 $\chi^2/\text{NDF}: 19655.8/87$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 23.885 $\pm$ 0.038 χ^2 /NDF: 3688.0/47

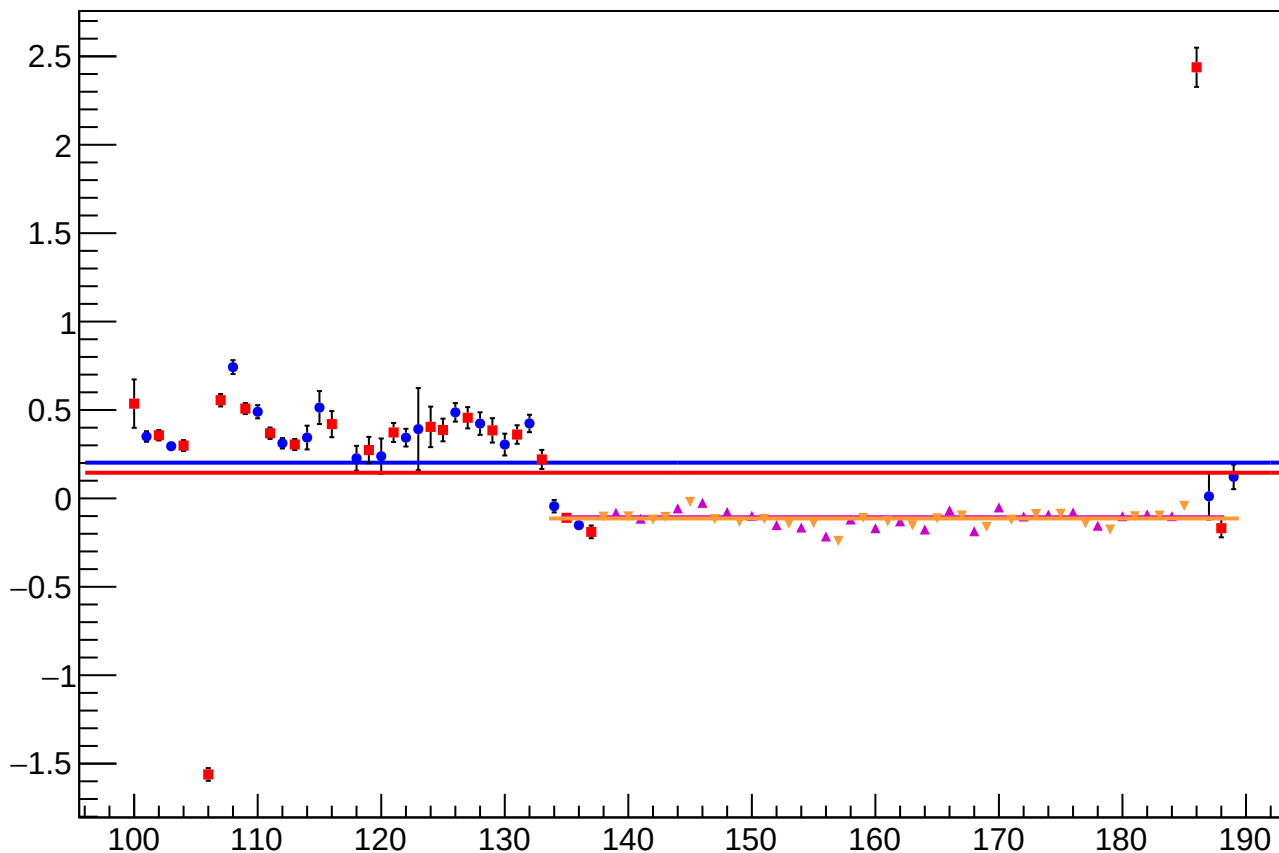
Right: 13.425 $\pm$ 0.121 χ^2 /NDF: 14545.0/39

In: 22.918 $\pm$ 0.052 χ^2 /NDF:12078.3/41

Out: 22.982 $\pm$ 0.051 χ^2 /NDF:12961.8/45

All: 22.950 $\pm$ 0.036 χ^2 /NDF: 25040.9/87

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.009 $\chi^2/\text{NDF}: 850.0/18$

Left Out: -0.113 ± 0.002 $\chi^2/\text{NDF}: 291.0/24$

Right Out: 0.145 ± 0.009 $\chi^2/\text{NDF}: 3478.2/20$

Left In: -0.107 ± 0.002 $\chi^2/\text{NDF}: 321.8/22$

Left: -0.110 ± 0.002 $\chi^2/\text{NDF}: 616.6/47$

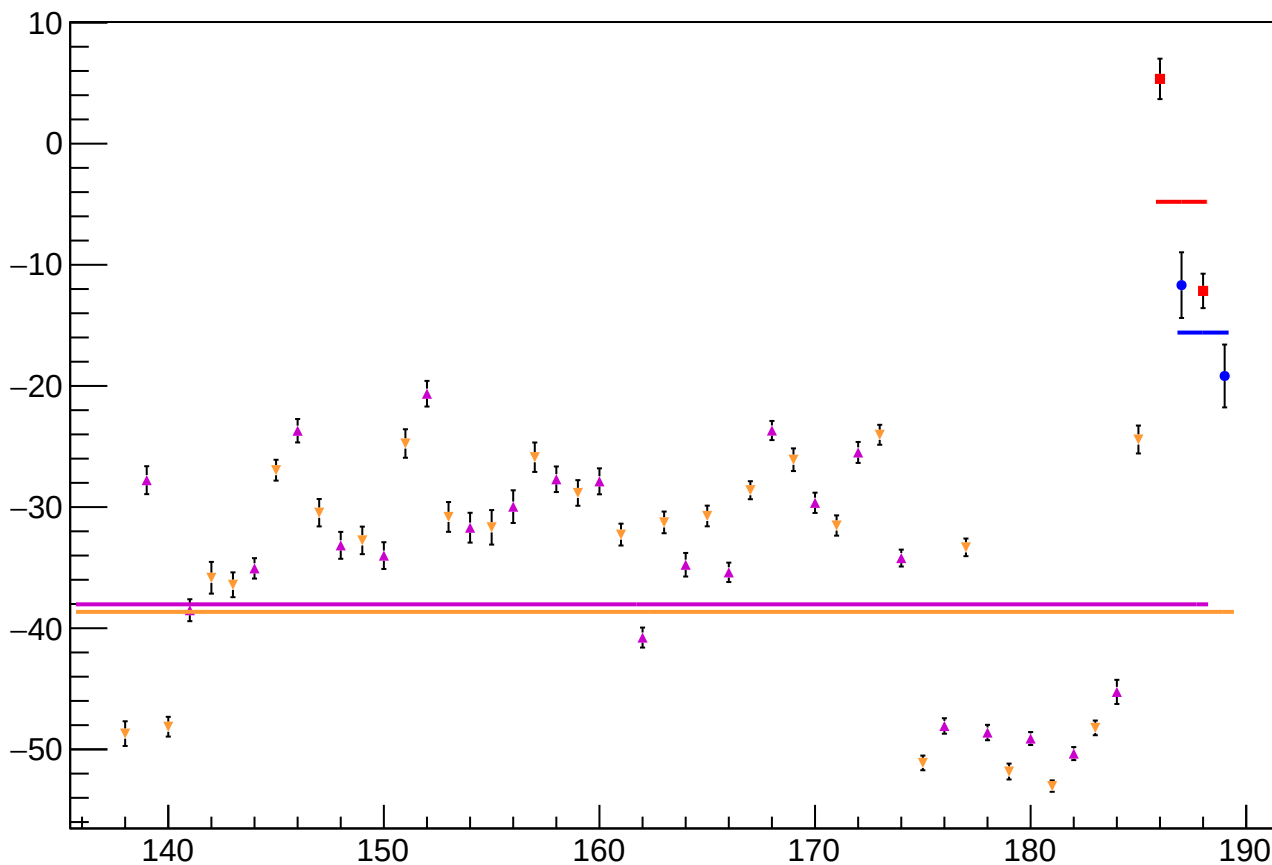
Right: 0.173 ± 0.006 $\chi^2/\text{NDF}: 4347.5/39$

In: -0.086 ± 0.002 $\chi^2/\text{NDF}: 2207.2/41$

Out: -0.096 ± 0.002 $\chi^2/\text{NDF}: 4532.4/45$

All: -0.091 ± 0.002 $\chi^2/\text{NDF}: 6748.2/87$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 3091.9/22$

Left: -38.346 ± 0.121 $\chi^2/\text{NDF}: 7175.7/47$

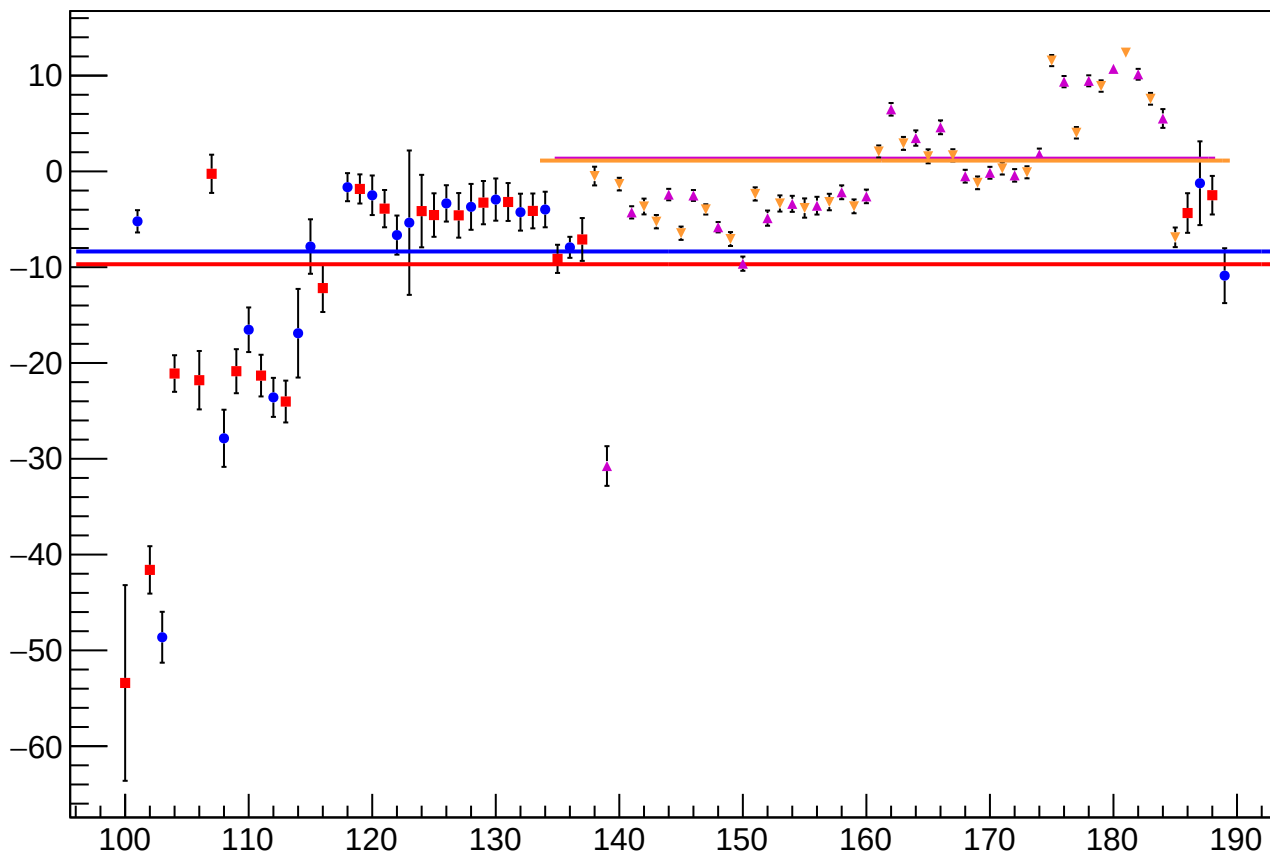
Right: -7.499 ± 0.937 $\chi^2/\text{NDF}: 92.6/3$

In: -37.837 ± 0.172 $\chi^2/\text{NDF}: 3238.0/24$

Out: -37.843 ± 0.167 $\chi^2/\text{NDF}: 5096.2/26$

All: -37.840 ± 0.120 $\chi^2/\text{NDF}: 8334.2/51$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.359 $\pm$ 0.458 χ^2 /NDF: 411.9/18

Left Out: 1.130 $\pm$ 0.136 χ^2 /NDF:1799.3/24

Right Out: -9.692 $\pm$ 0.465 χ^2 /NDF: 451.5/20

Left In: 1.329 $\pm$ 0.140 χ^2 /NDF:2048.0/22

Left: 1.227 $\pm$ 0.097 χ^2 /NDF: 3848.4/47

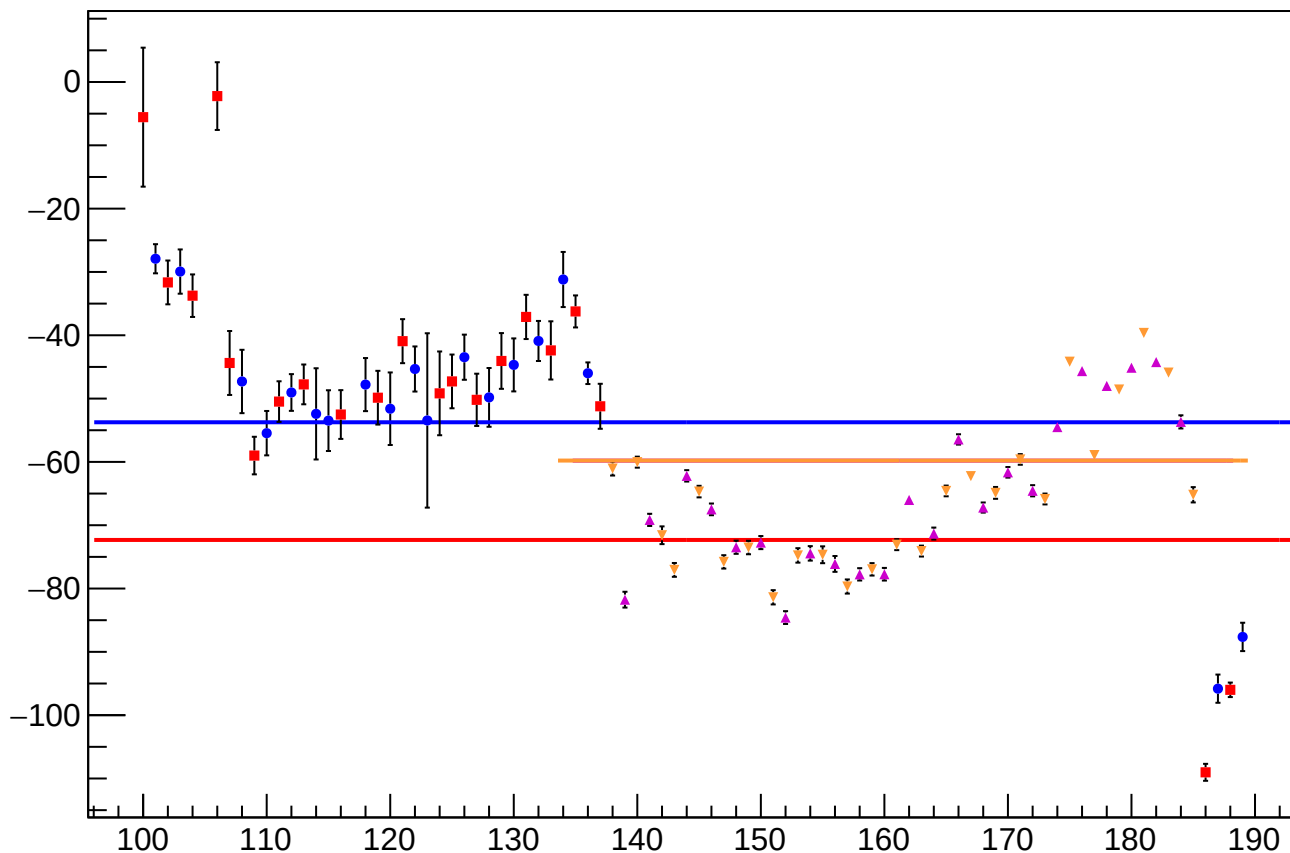
Right: -9.015 $\pm$ 0.326 χ^2 /NDF: 867.6/39

In: 0.503 $\pm$ 0.134 χ^2 /NDF:2869.3/41

Out: 0.279 $\pm$ 0.131 χ^2 /NDF:2749.0/45

All: 0.388 $\pm$ 0.093 χ^2 /NDF: 5619.7/87

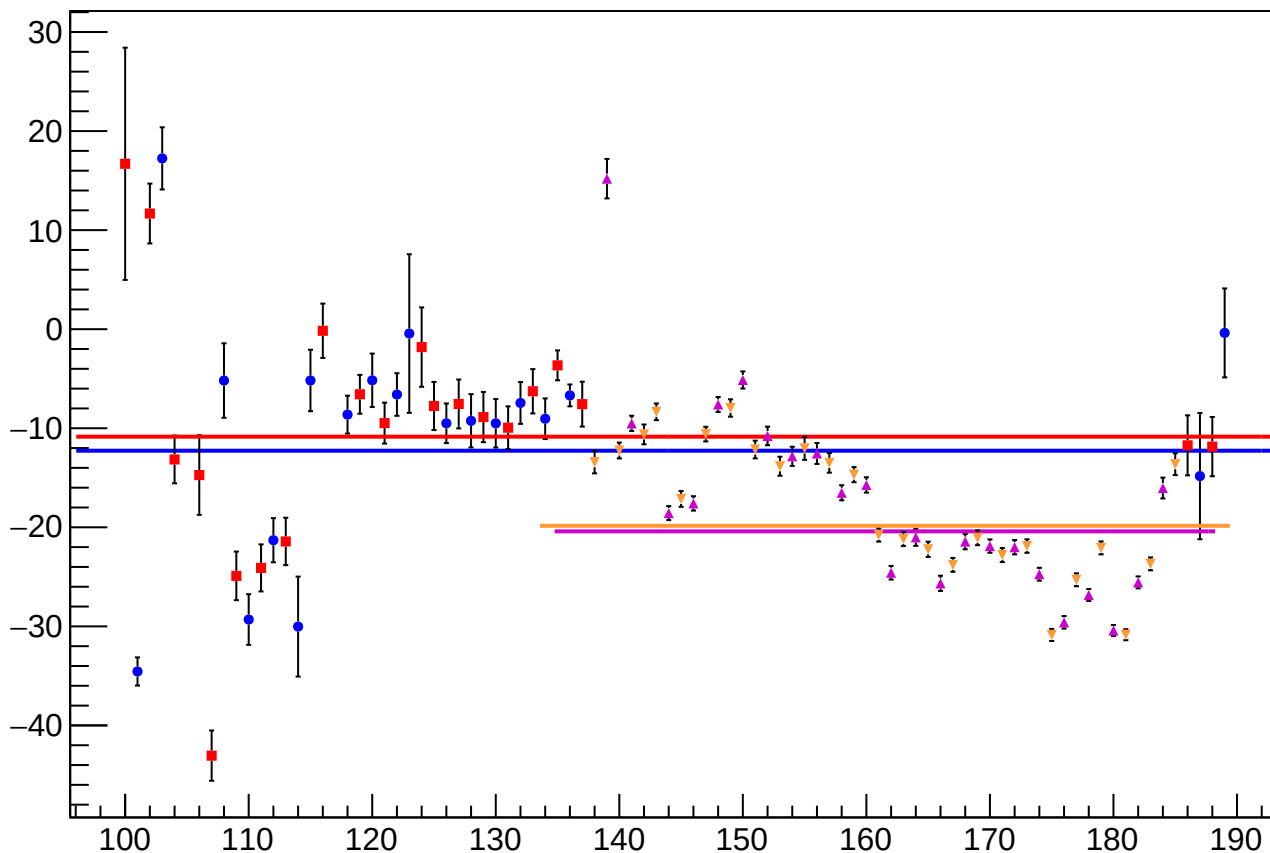
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -59.795 +/- 0.121 χ^2/NDF : 11055.3/47
 Right: -64.744 +/- 0.473 χ^2/NDF : 3673.5/39
 In: -59.487 +/- 0.169 χ^2/NDF : 6129.2/41
 Out: -60.681 +/- 0.164 χ^2/NDF : 8676.6/45
 All: -60.101 +/- 0.118 χ^2/NDF : 14831.4/87

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.268 ± 0.519 $\chi^2/\text{NDF}: 480.8/18$

Left Out: -19.847 ± 0.153 $\chi^2/\text{NDF}: 1931.3/24$

Right Out: -10.849 ± 0.537 $\chi^2/\text{NDF}: 366.1/20$

Left In: -20.410 ± 0.157 $\chi^2/\text{NDF}: 2302.0/22$

Left: -20.122 ± 0.109 $\chi^2/\text{NDF}: 4239.8/47$

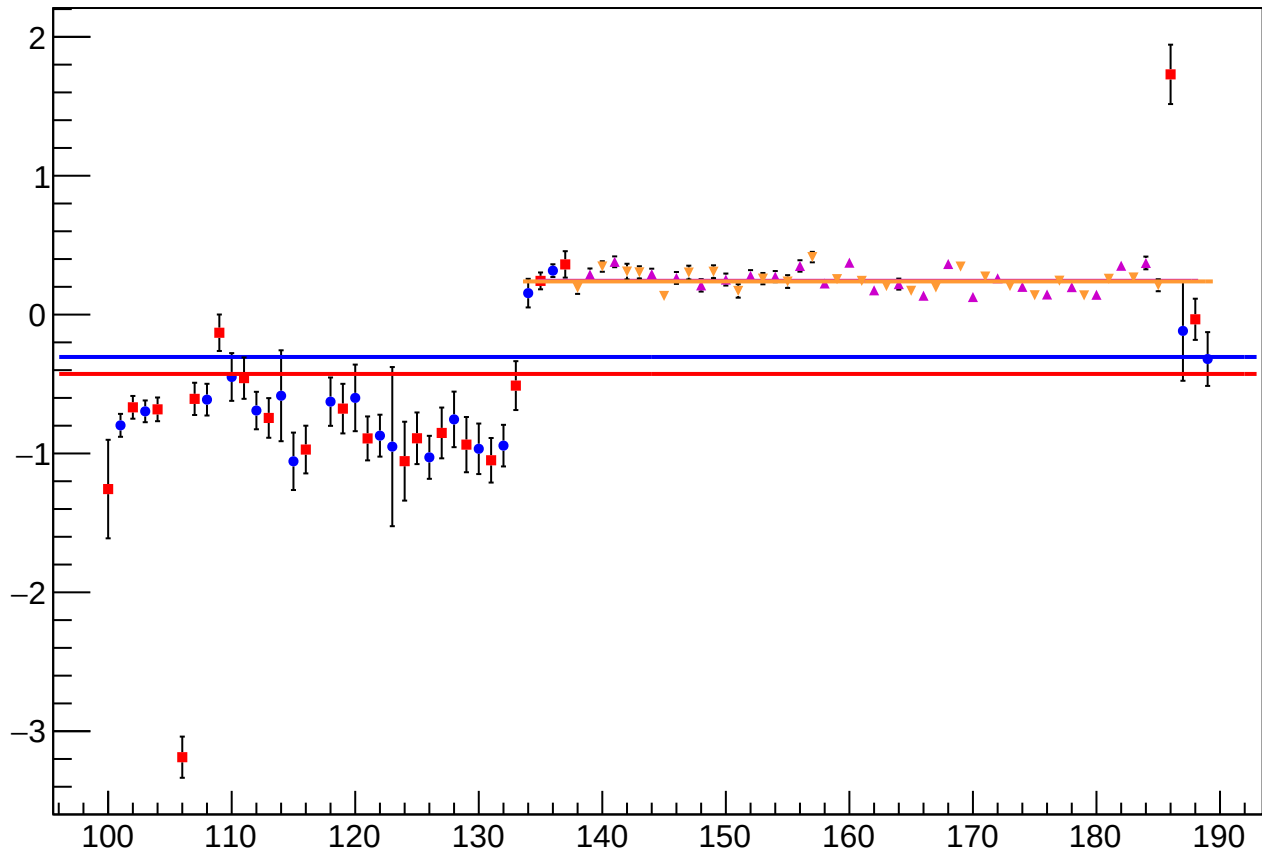
Right: -11.583 ± 0.373 $\chi^2/\text{NDF}: 850.5/39$

In: -19.729 ± 0.150 $\chi^2/\text{NDF}: 3008.7/41$

Out: -19.173 ± 0.147 $\chi^2/\text{NDF}: 2557.4/45$

All: -19.445 ± 0.105 $\chi^2/\text{NDF}: 5573.1/87$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.241 ± 0.005 χ^2/NDF : 231.5/47

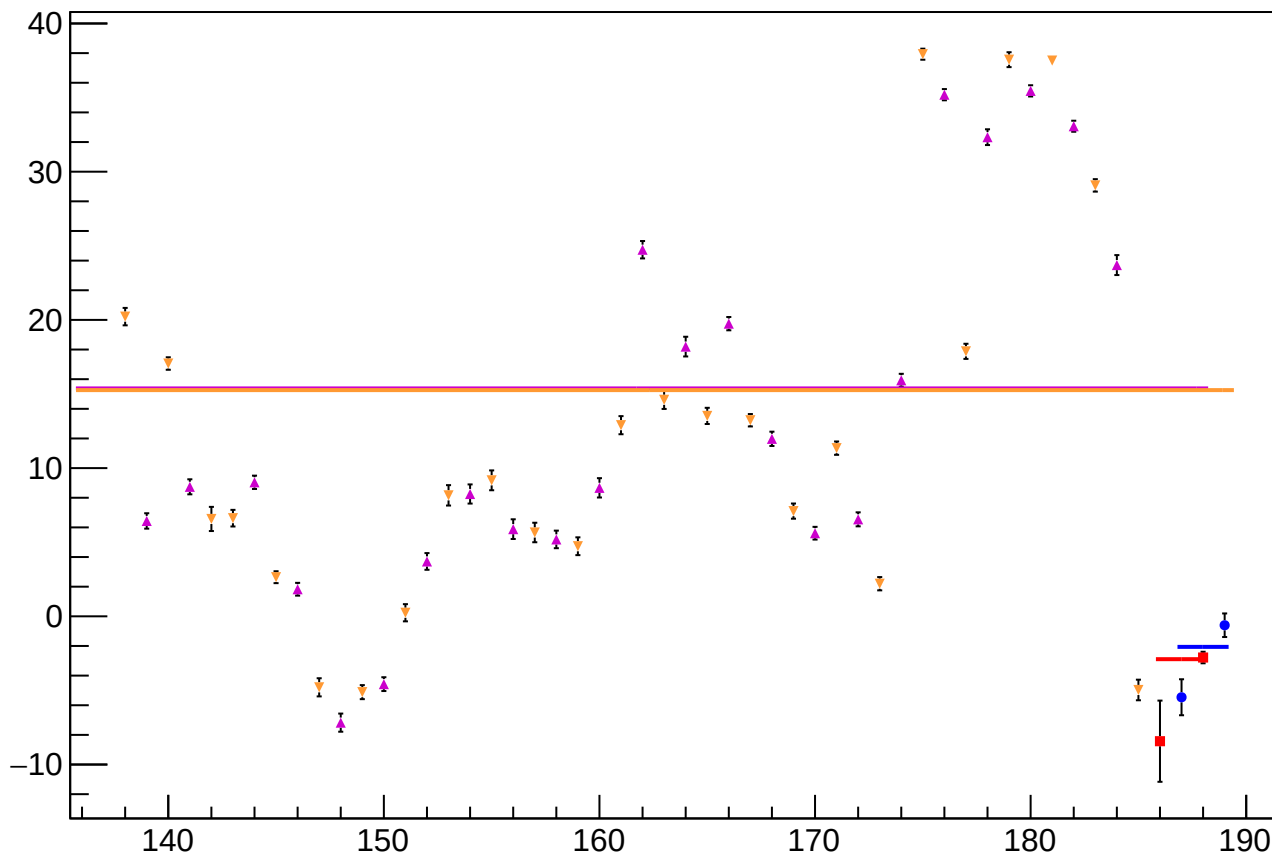
Right: -0.365 ± 0.019 χ^2/NDF : 1121.9/39

In: 0.208 ± 0.007 χ^2/NDF : 889.4/41

Out: 0.199 ± 0.007 χ^2/NDF : 1370.6/45

All: 0.203 ± 0.005 χ^2/NDF : 2260.9/87

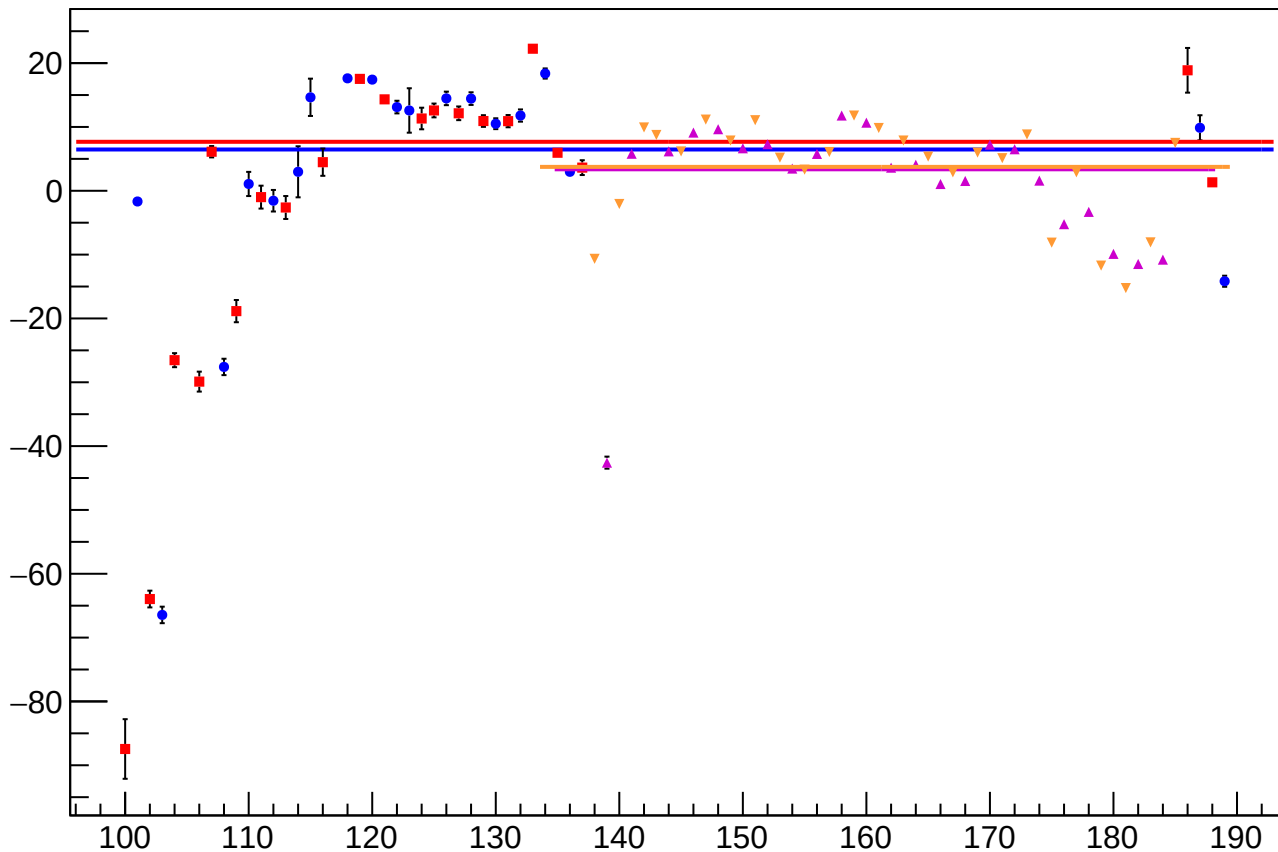
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.062 ± 0.665 $\chi^2/\text{NDF}: 11.2/1$
 Left Out: 15.263 ± 0.100 $\chi^2/\text{NDF}: 19175.2/24$
 Right Out: -2.892 ± 0.385 $\chi^2/\text{NDF}: 4.2/1$
 Left In: 15.377 ± 0.103 $\chi^2/\text{NDF}: 16268.9/22$

Left: 15.318 ± 0.072 $\chi^2/\text{NDF}: 35444.7/47$
 Right: -2.683 ± 0.333 $\chi^2/\text{NDF}: 16.5/3$
 In: 14.971 ± 0.102 $\chi^2/\text{NDF}: 16951.1/24$
 Out: 14.105 ± 0.097 $\chi^2/\text{NDF}: 21260.5/26$
 All: 14.519 ± 0.070 $\chi^2/\text{NDF}: 38249.5/51$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 8527.0/22$

Left: 3.561 ± 0.057 $\chi^2/\text{NDF}: 17785.7/47$

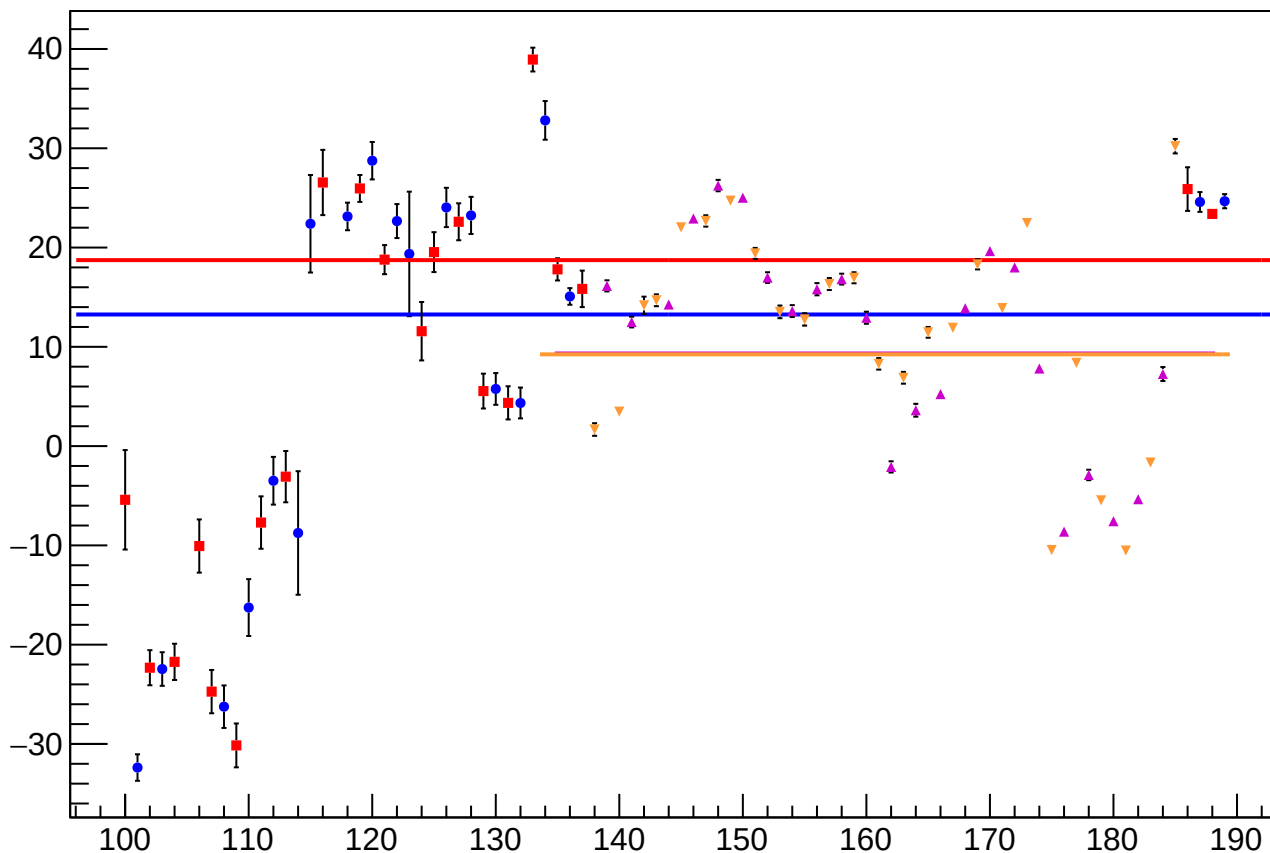
Right: 7.104 ± 0.145 $\chi^2/\text{NDF}: 12791.4/39$

In: 3.767 ± 0.076 $\chi^2/\text{NDF}: 14620.9/41$

Out: 4.274 ± 0.073 $\chi^2/\text{NDF}: 16452.0/45$

All: 4.030 ± 0.053 $\chi^2/\text{NDF}: 31096.0/87$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 9.284 $\pm$ 0.072 χ^2 /NDF: 25602.0/47

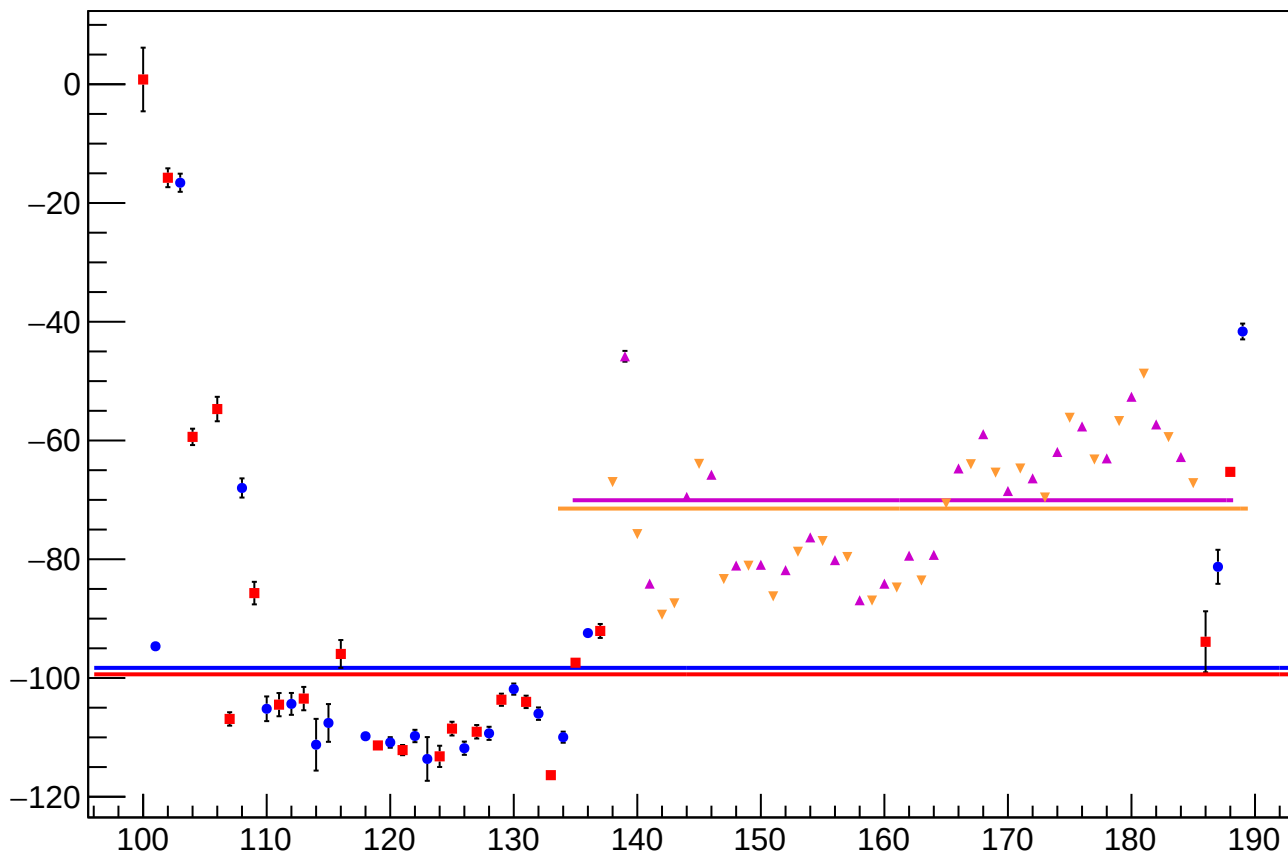
Right: 16.809 $\pm$ 0.201 χ^2 /NDF: 5963.2/39

In: 9.656 $\pm$ 0.098 χ^2 /NDF:14968.2/41

Out: 10.571 $\pm$ 0.094 χ^2 /NDF:17789.5/45

All: 10.136 $\pm$ 0.068 χ^2 /NDF: 32803.2/87

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -98.293+/-0.246 χ^2/NDF : 6380.5/18

Left Out: -71.465+/-0.089 χ^2/NDF :16409.7/24

Right Out: -99.381+/-0.236 χ^2/NDF : 7948.9/20

Left In: -70.061+/-0.092 χ^2/NDF :13058.5/22

Left: -70.782+/-0.064 χ^2/NDF : 29588.5/47

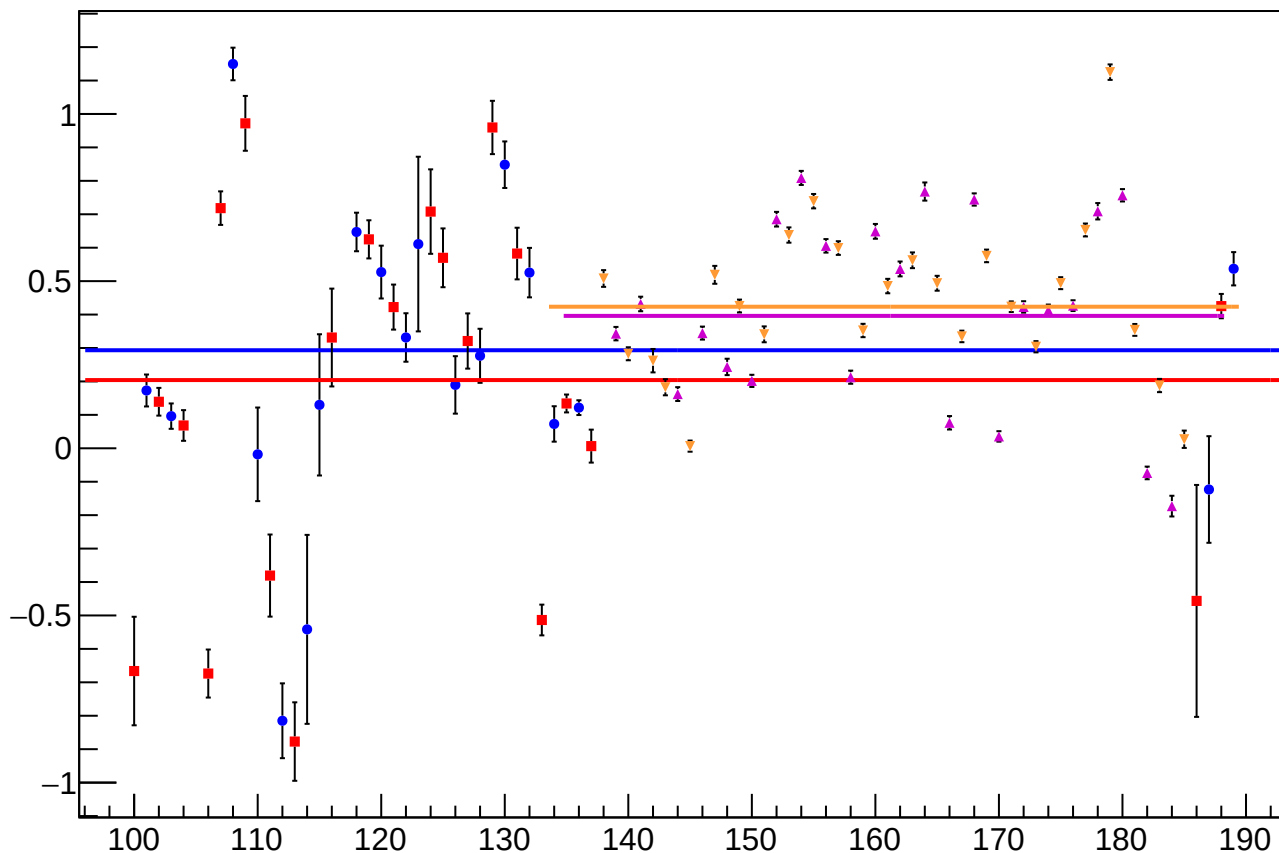
Right: -98.859+/-0.170 χ^2/NDF : 14339.6/39

In: -73.512+/-0.086 χ^2/NDF :31020.7/41

Out: -74.957+/-0.084 χ^2/NDF :36587.2/45

All: -74.255+/-0.060 χ^2/NDF : 67753.3/87

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.410 $\pm$ 0.003 χ^2 /NDF: 6958.5/47

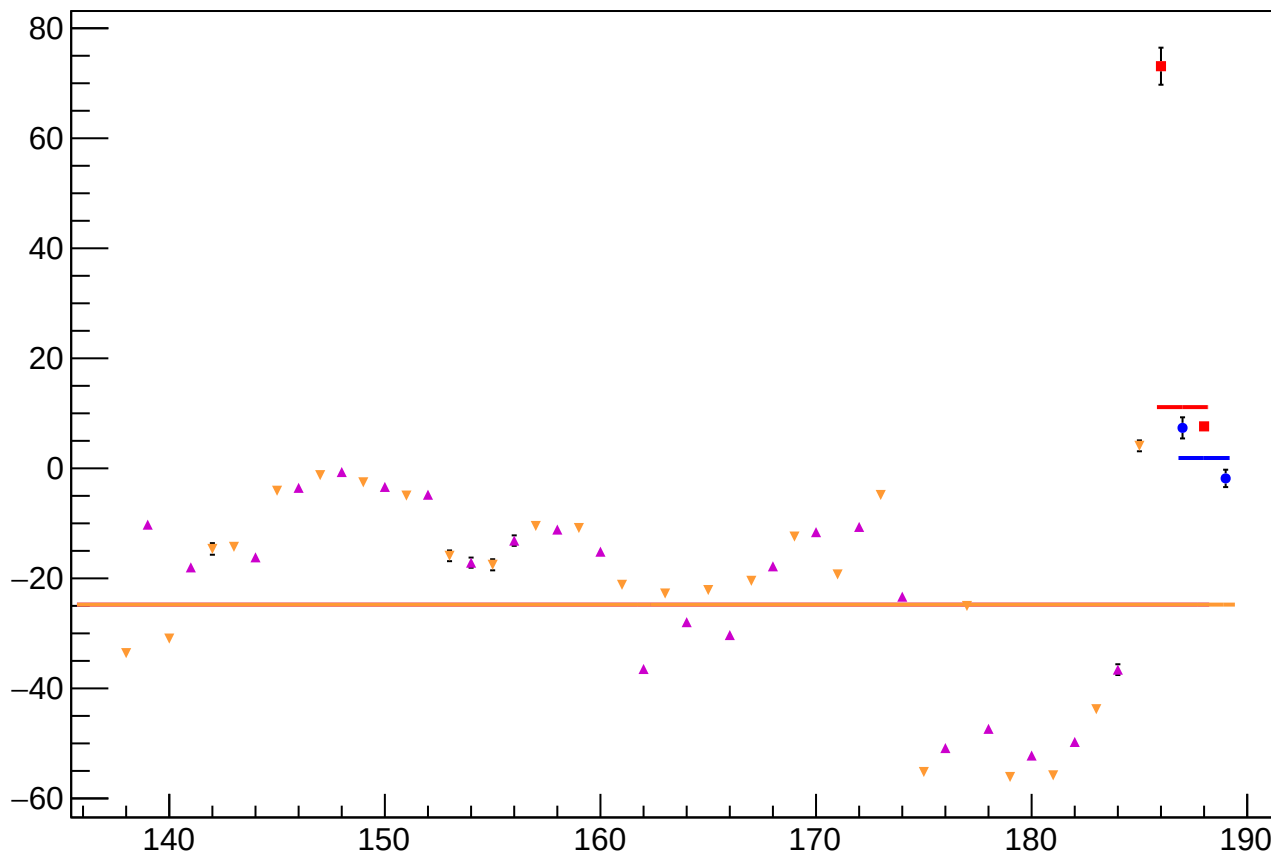
Right: 0.247 $\pm$ 0.009 χ^2 /NDF: 1721.0/39

In: 0.387 $\pm$ 0.004 χ^2 /NDF:4793.6/41

Out: 0.403 $\pm$ 0.004 χ^2 /NDF:4168.9/45

All: 0.395 $\pm$ 0.003 χ^2 /NDF: 8971.0/87

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.881+/-1.220 χ^2/NDF : 13.6/1

Left Out: -24.769+/-0.139 χ^2/NDF : 18318.8/24

Right Out: 11.132+/-0.779 χ^2/NDF : 357.5/1

Left In: -24.775+/-0.143 χ^2/NDF : 14807.4/22

Left: -24.772+/-0.100 χ^2/NDF : 33126.2/47

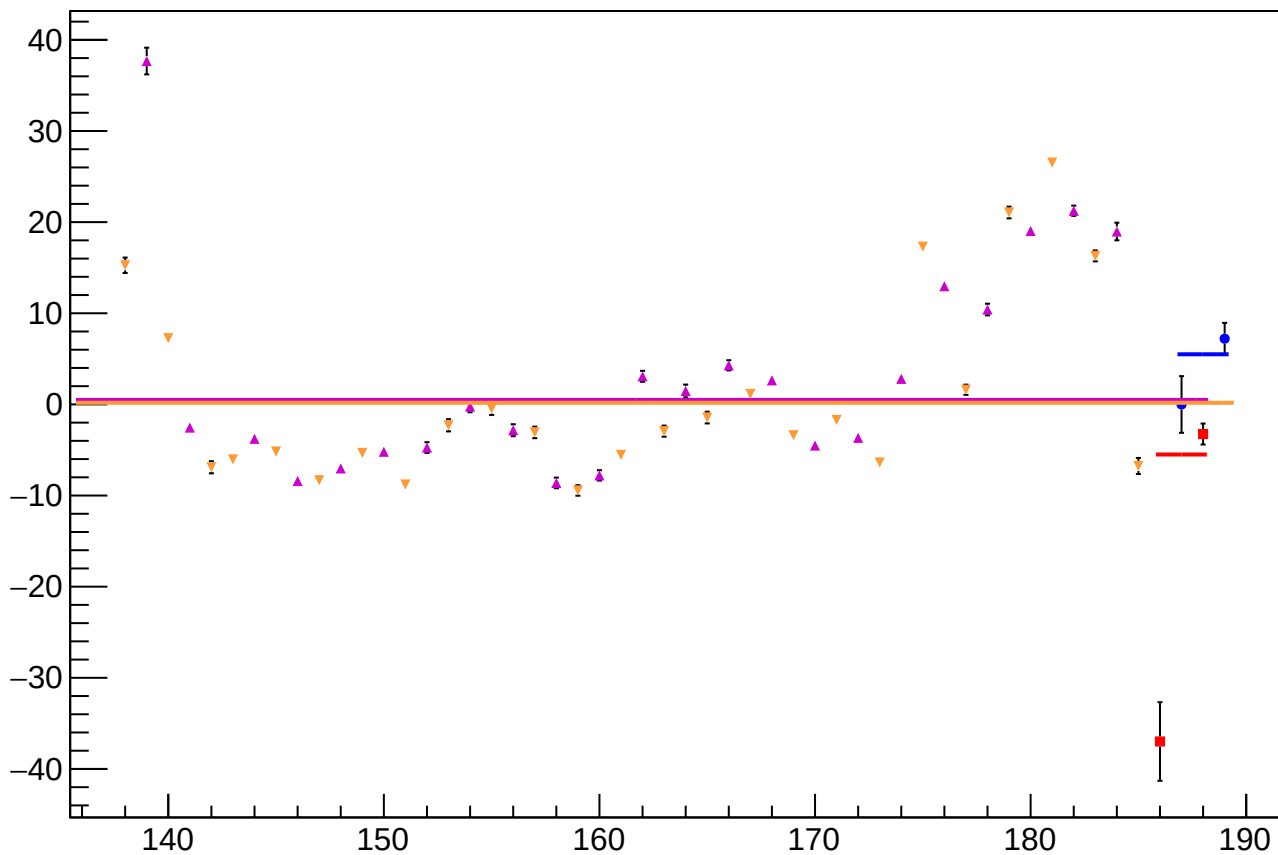
Right: 8.453+/-0.657 χ^2/NDF : 412.0/3

In: -24.415+/-0.142 χ^2/NDF : 15292.0/24

Out: -23.655+/-0.137 χ^2/NDF : 20734.4/26

All: -24.022+/-0.099 χ^2/NDF : 36041.2/51

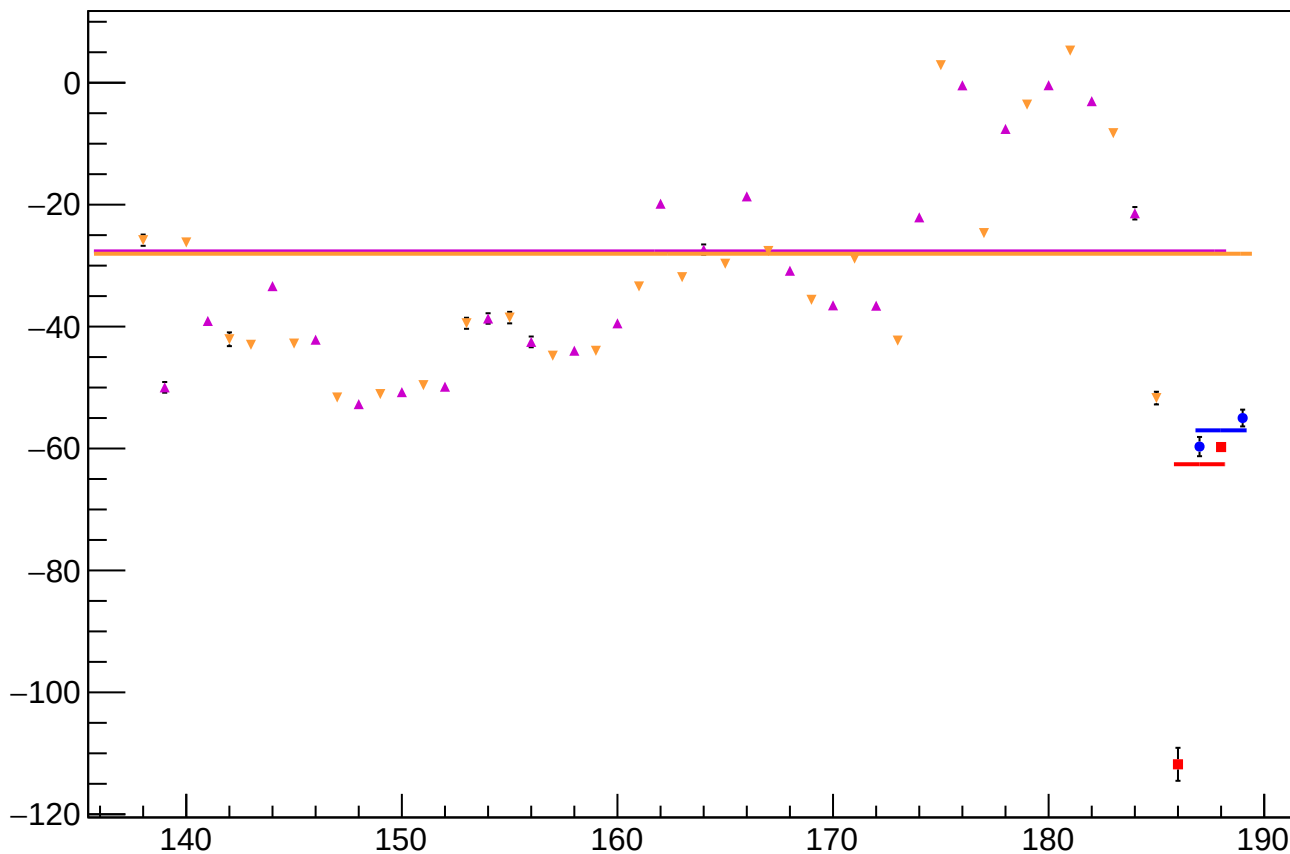
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.500+/-1.513 χ^2/NDF : 4.1/1
 Left Out: 0.177+/-0.109 χ^2/NDF :8295.6/24
 Right Out: -5.498+/-1.114 χ^2/NDF : 57.1/1
 Left In: 0.493+/-0.112 χ^2/NDF :6555.4/22

Left: 0.330+/-0.078 χ^2/NDF : 14855.0/47
 Right: -1.635+/-0.897 χ^2/NDF : 95.4/3
 In: 0.521+/-0.112 χ^2/NDF :6570.4/24
 Out: 0.124+/-0.108 χ^2/NDF :8378.4/26
 All: 0.315+/-0.078 χ^2/NDF : 14955.2/51

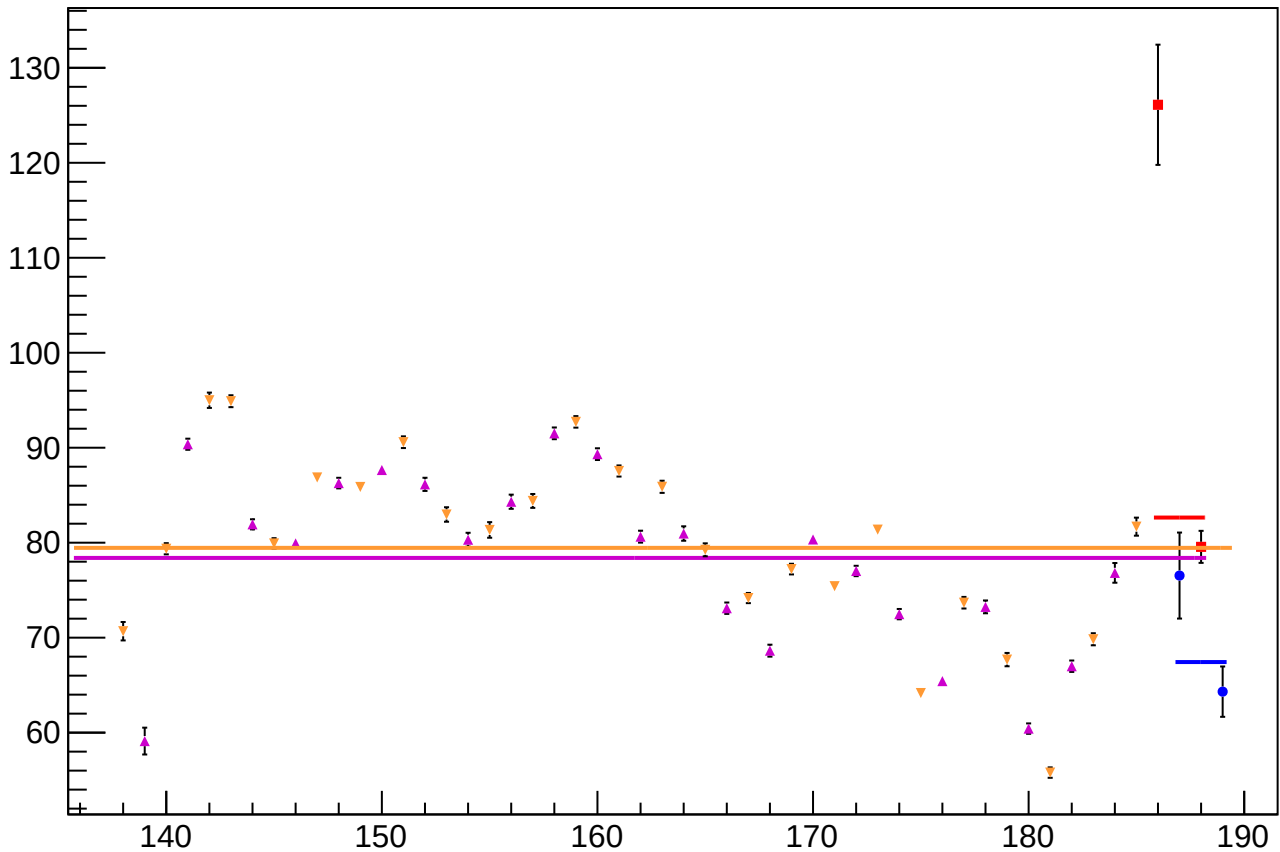
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -57.020 $\pm$ 1.037 χ^2 /NDF: 5.0/1
 Left Out: -28.050 $\pm$ 0.140 χ^2 /NDF:17144.5/24
 Right Out: -62.579 $\pm$ 0.630 χ^2 /NDF: 349.9/1
 Left In: -27.666 $\pm$ 0.142 χ^2 /NDF:15003.2/22

Left: -27.862 $\pm$ 0.100 χ^2 /NDF: 32151.3/47
 Right: -61.082 $\pm$ 0.538 χ^2 /NDF: 375.9/3
 In: -28.210 $\pm$ 0.141 χ^2 /NDF:15794.2/24
 Out: -29.673 $\pm$ 0.137 χ^2 /NDF:20359.6/26
 All: -28.966 $\pm$ 0.098 χ^2 /NDF: 36209.4/51

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 67.432 ± 2.287 $\chi^2/\text{NDF}: 5.4/1$

Left Out: 79.456 ± 0.123 $\chi^2/\text{NDF}: 6077.1/24$

Right Out: 82.646 ± 1.629 $\chi^2/\text{NDF}: 50.5/1$

Left In: 78.396 ± 0.127 $\chi^2/\text{NDF}: 4707.3/22$

Left: 78.941 ± 0.088 $\chi^2/\text{NDF}: 10820.4/47$

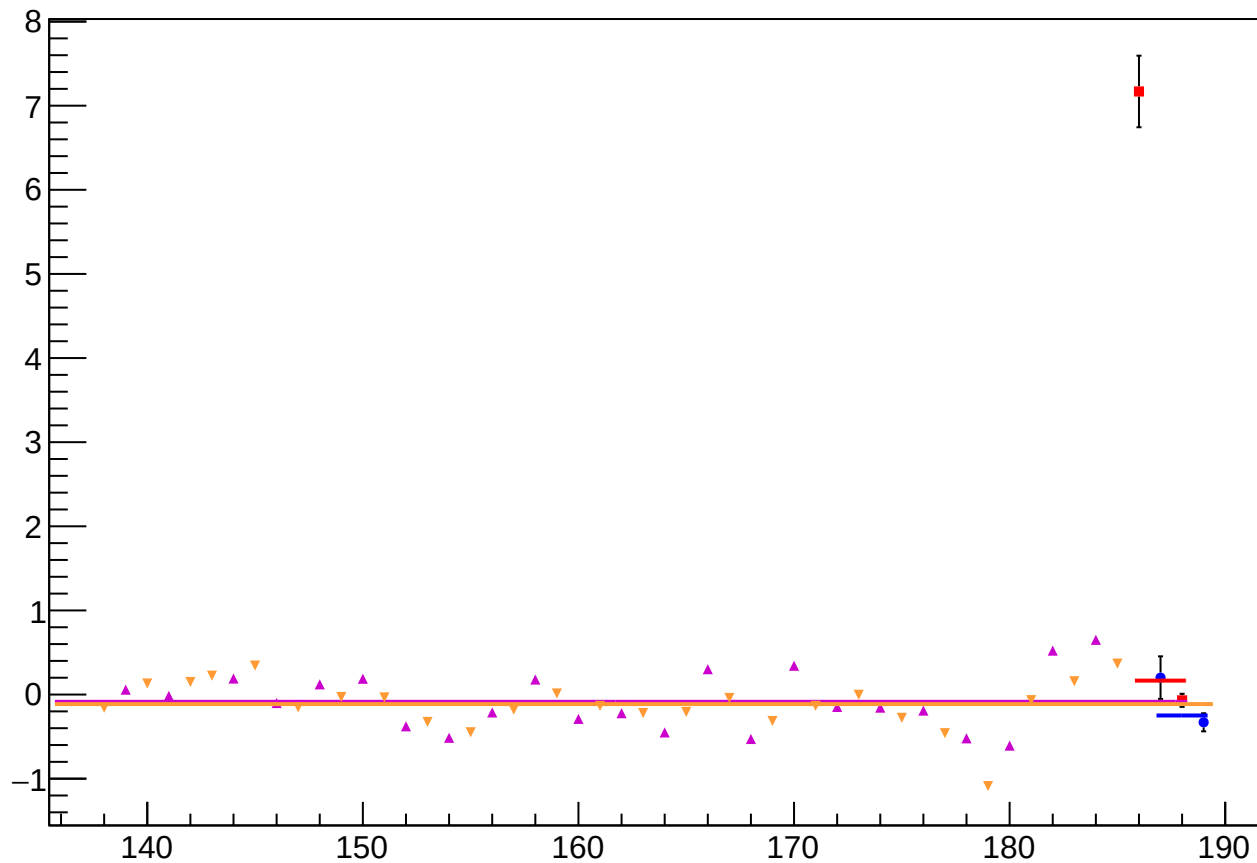
Right: 77.524 ± 1.327 $\chi^2/\text{NDF}: 85.3/3$

In: 78.363 ± 0.127 $\chi^2/\text{NDF}: 4735.7/24$

Out: 79.474 ± 0.123 $\chi^2/\text{NDF}: 6131.4/26$

All: 78.935 ± 0.088 $\chi^2/\text{NDF}: 10906.8/51$

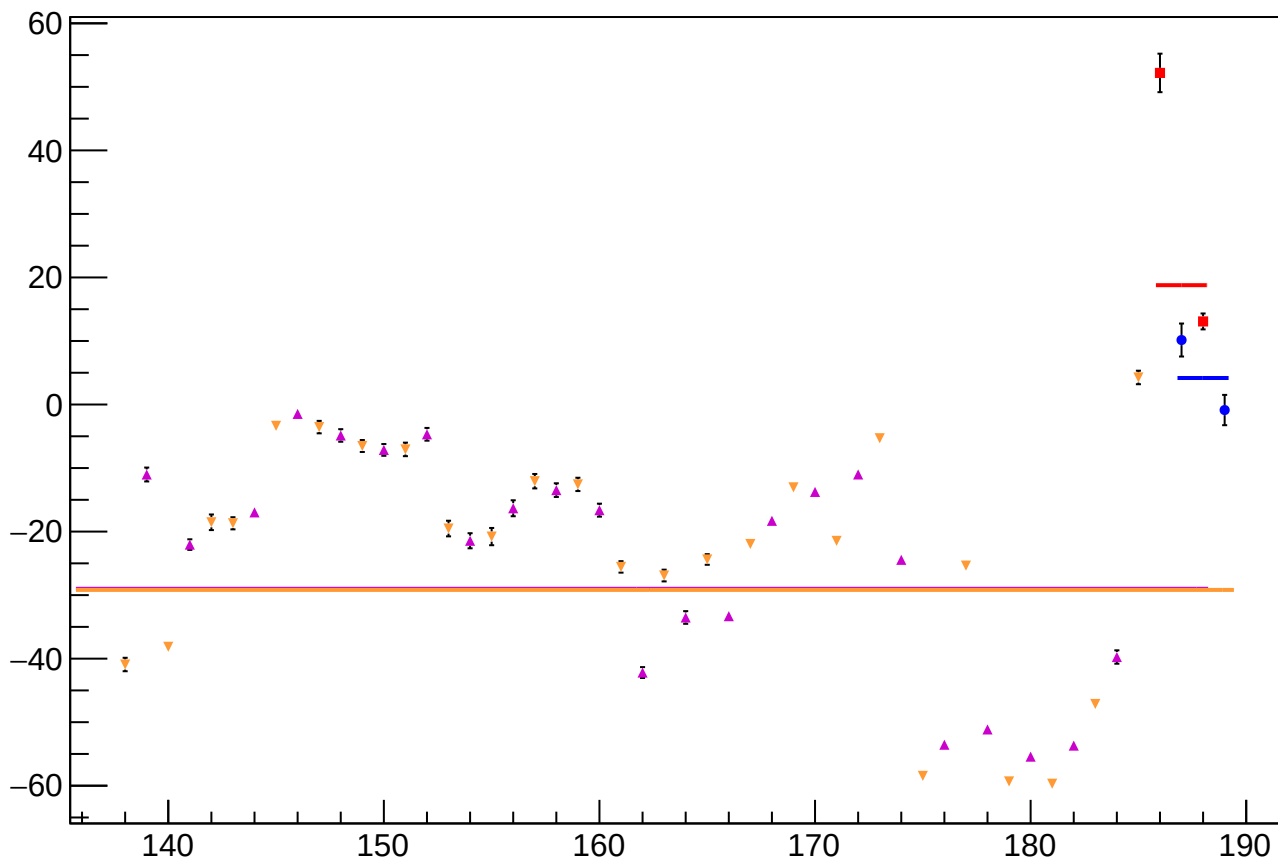
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -0.100 ± 0.004 χ^2/NDF : 5446.4/47
 Right: 0.010 ± 0.061 χ^2/NDF : 294.8/3
 In: -0.087 ± 0.006 χ^2/NDF : 3138.5/24
 Out: -0.112 ± 0.006 χ^2/NDF : 2596.4/26
 All: -0.100 ± 0.004 χ^2/NDF : 5744.5/51

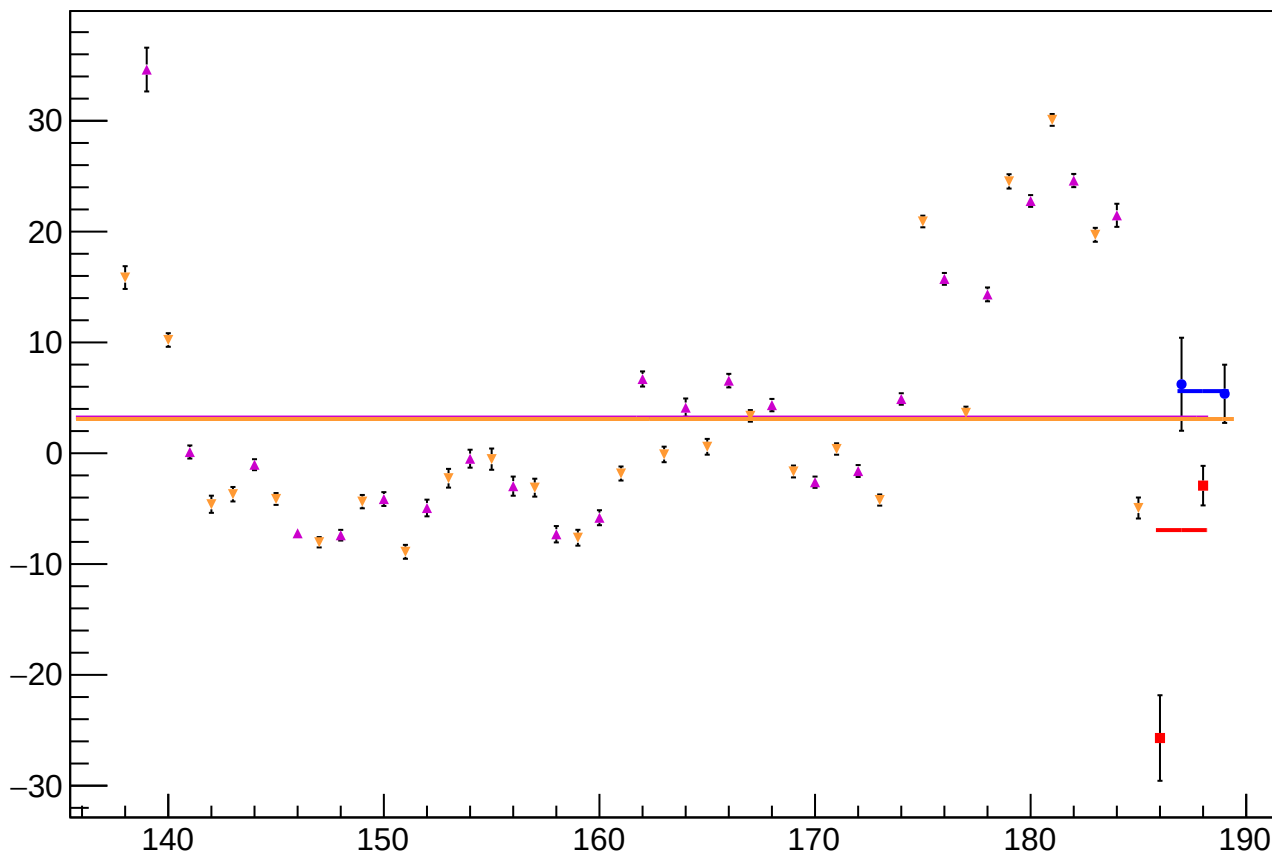
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.175+/-1.756 χ^2/NDF : 9.8/1
 Left Out: -29.180+/-0.157 χ^2/NDF :16912.2/24
 Right Out: 18.783+/-1.157 χ^2/NDF : 142.3/1
 Left In: -29.003+/-0.160 χ^2/NDF :13416.8/22

Left: -29.093+/-0.112 χ^2/NDF : 30329.6/47
 Right: 14.361+/-0.966 χ^2/NDF : 200.3/3
 In: -28.730+/-0.159 χ^2/NDF :13780.4/24
 Out: -28.316+/-0.155 χ^2/NDF :18741.3/26
 All: -28.518+/-0.111 χ^2/NDF : 32525.2/51

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.607 $\pm$ 2.227 χ^2 /NDF: 0.0/1

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF:8084.1/24

Right Out: -6.934 $\pm$ 1.620 χ^2 /NDF: 28.7/1

Left In: 3.221 $\pm$ 0.127 χ^2 /NDF:6237.6/22

Left: 3.155 $\pm$ 0.089 χ^2 /NDF: 14322.2/47

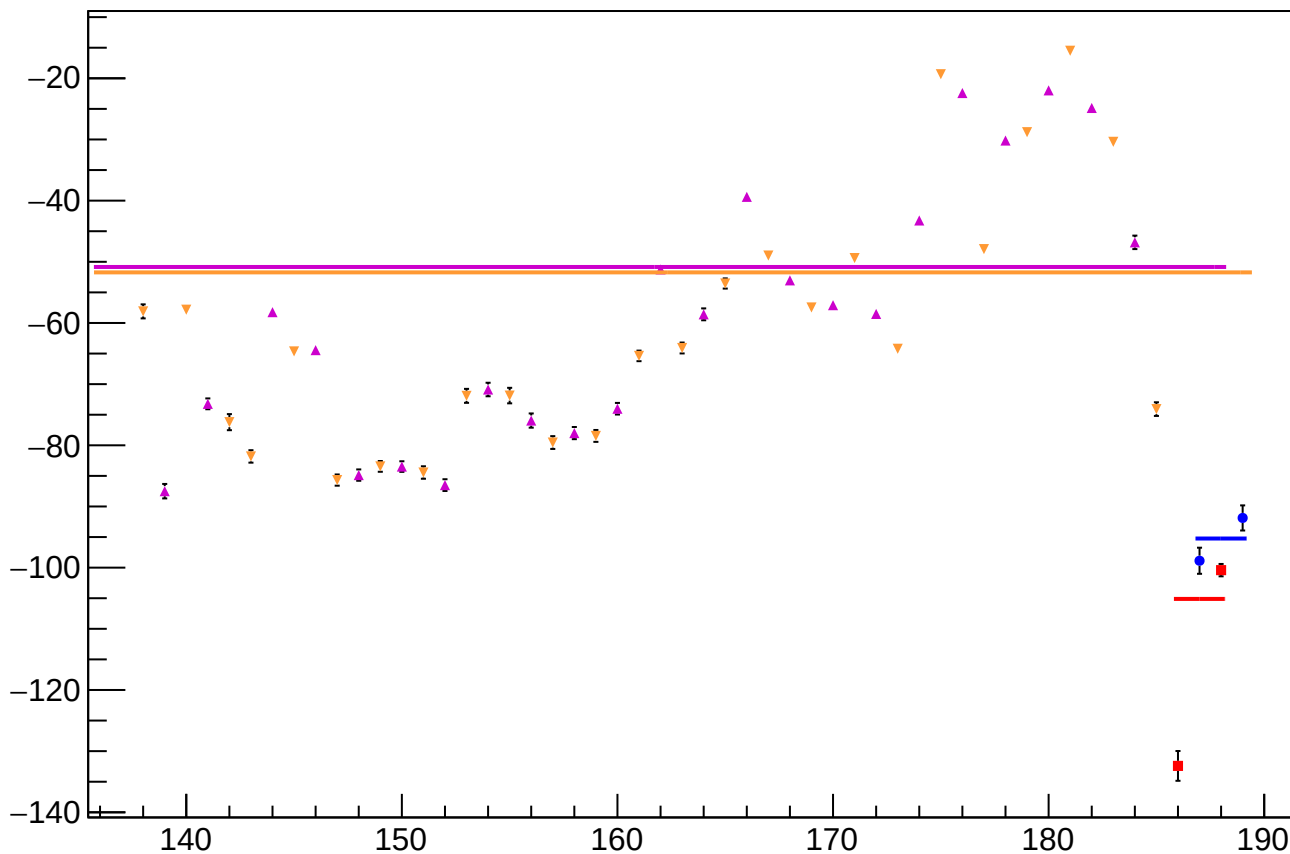
Right: -2.593 $\pm$ 1.310 χ^2 /NDF: 49.4/3

In: 3.229 $\pm$ 0.127 χ^2 /NDF:6238.8/24

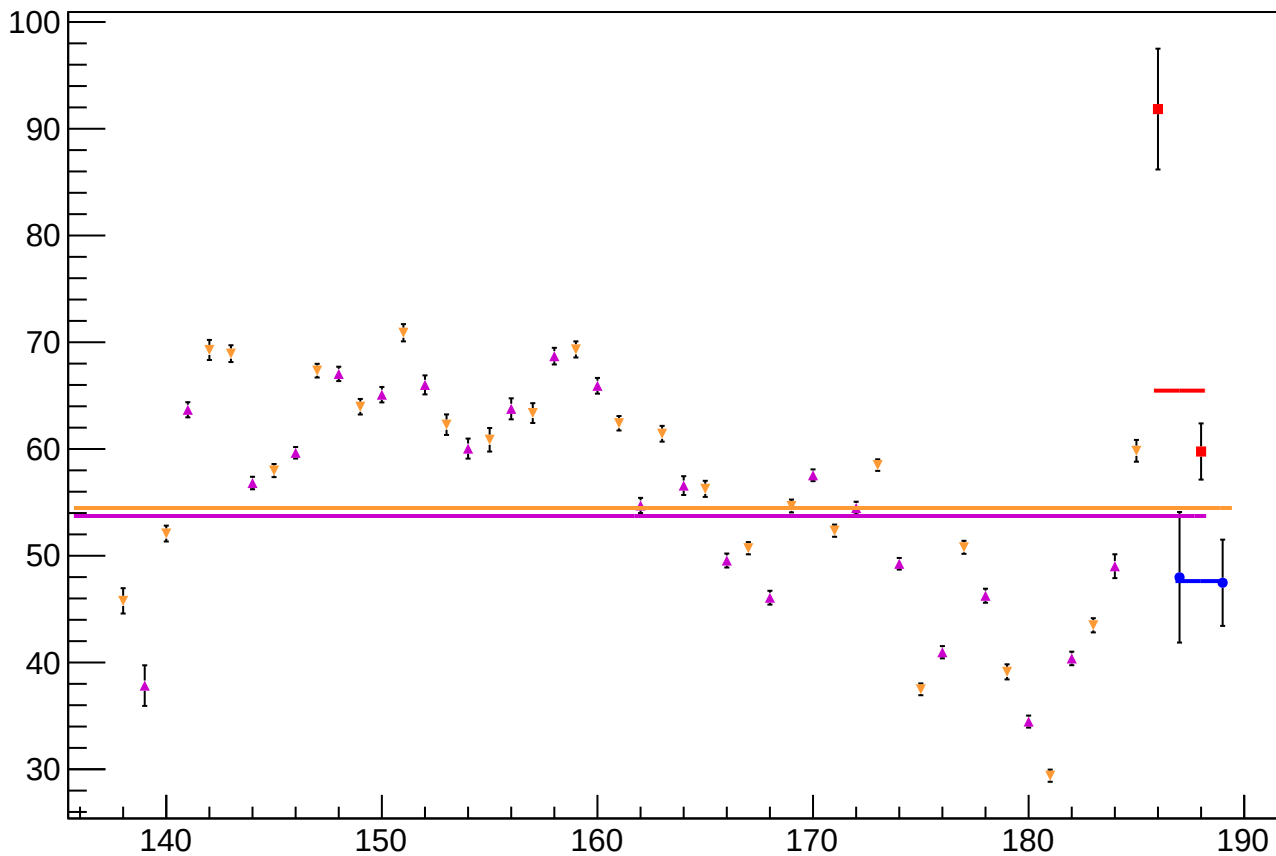
Out: 3.032 $\pm$ 0.124 χ^2 /NDF:8150.8/26

All: 3.128 $\pm$ 0.089 χ^2 /NDF: 14390.8/51

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 54.107+/-0.100 χ^2/NDF : 10866.7/47

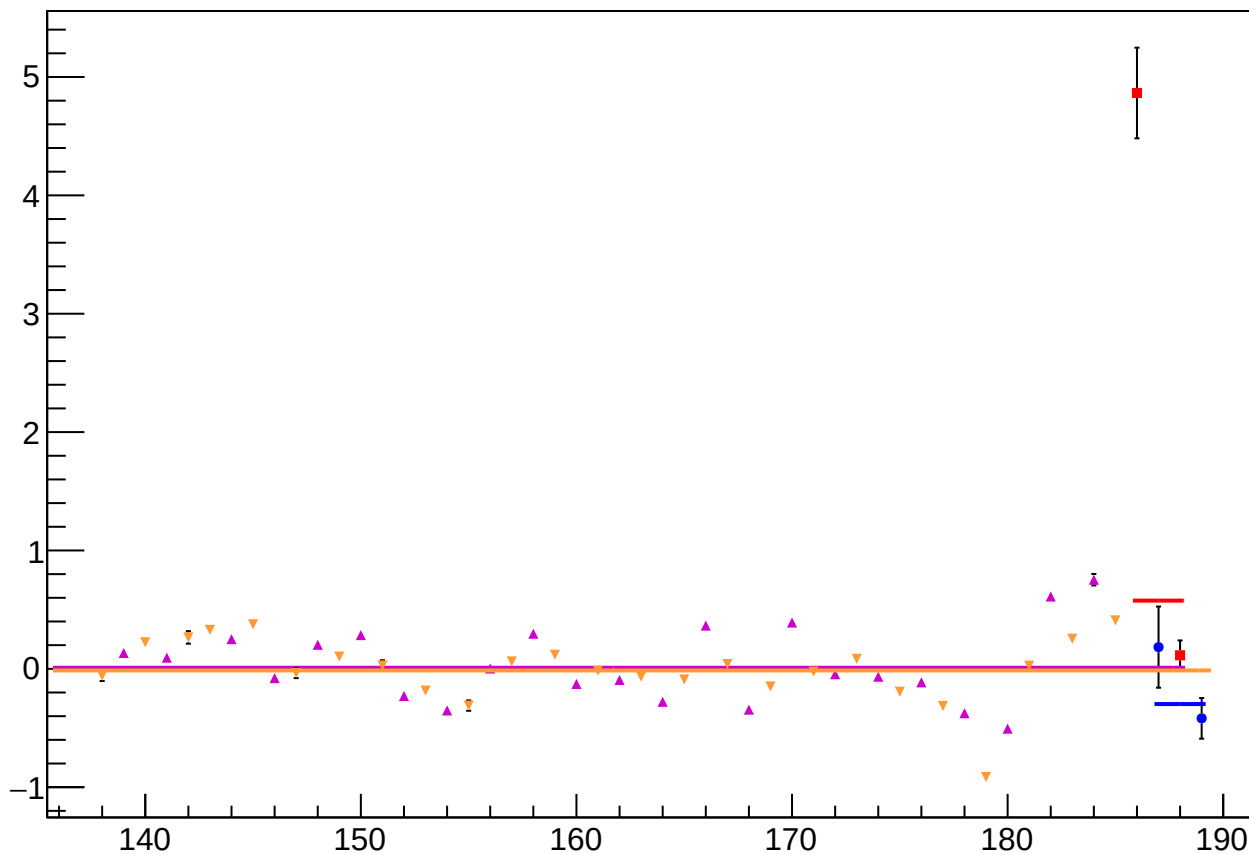
Right: 59.514+/-1.948 χ^2/NDF : 45.1/3

In: 53.713+/-0.143 χ^2/NDF : 4589.0/24

Out: 54.514+/-0.140 χ^2/NDF : 6314.5/26

All: 54.122+/-0.100 χ^2/NDF : 10919.5/51

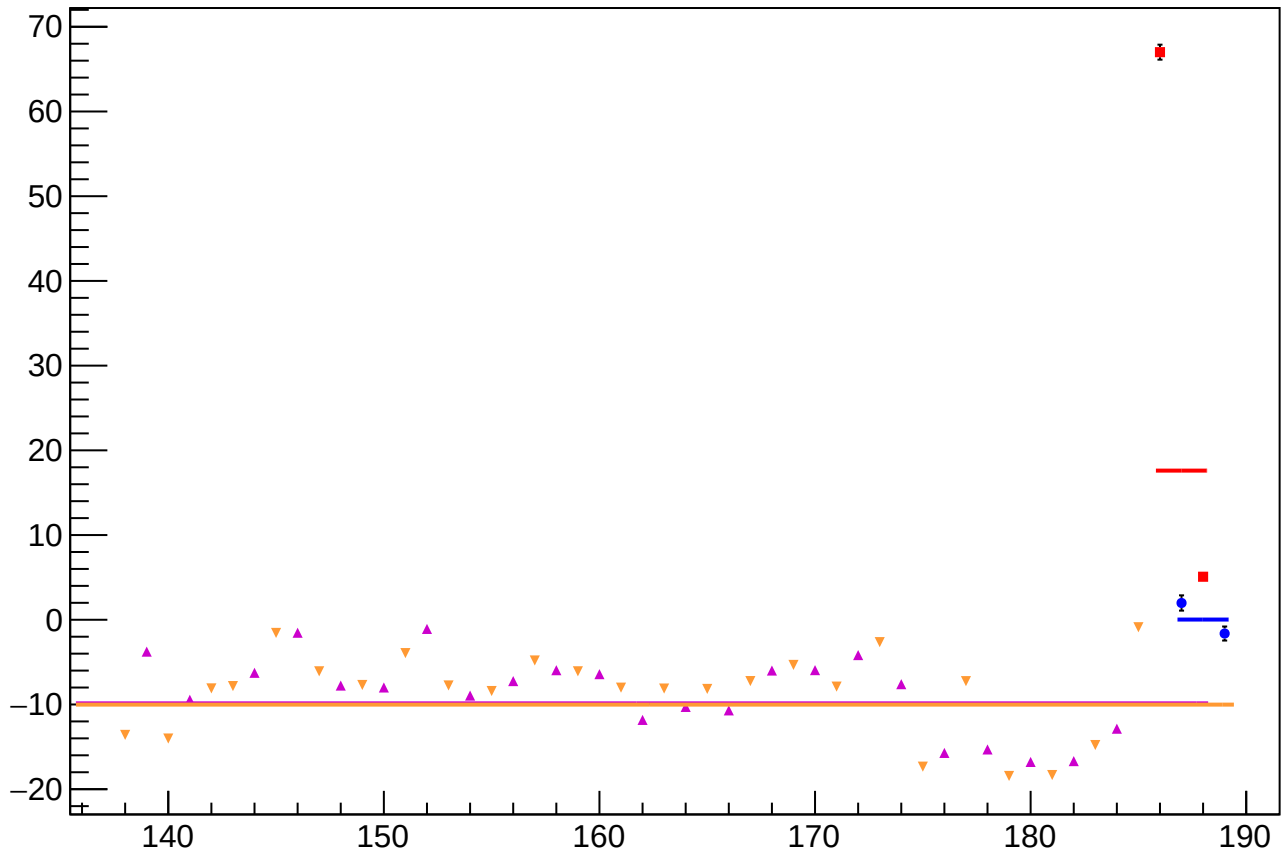
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -0.003 ± 0.005 χ^2/NDF : 3881.4/47
 Right: 0.247 ± 0.094 χ^2/NDF : 161.5/3
 In: 0.009 ± 0.007 χ^2/NDF : 2227.0/24
 Out: -0.012 ± 0.006 χ^2/NDF : 1817.9/26
 All: -0.002 ± 0.005 χ^2/NDF : 4049.8/51

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.025 ± 0.610 $\chi^2/\text{NDF}: 8.7/1$

Left Out: -10.017 ± 0.051 $\chi^2/\text{NDF}: 12552.8/24$

Right Out: 17.607 ± 0.398 $\chi^2/\text{NDF}: 3906.7/1$

Left In: -9.865 ± 0.051 $\chi^2/\text{NDF}: 9345.4/22$

Left: -9.942 ± 0.036 $\chi^2/\text{NDF}: 21902.5/47$

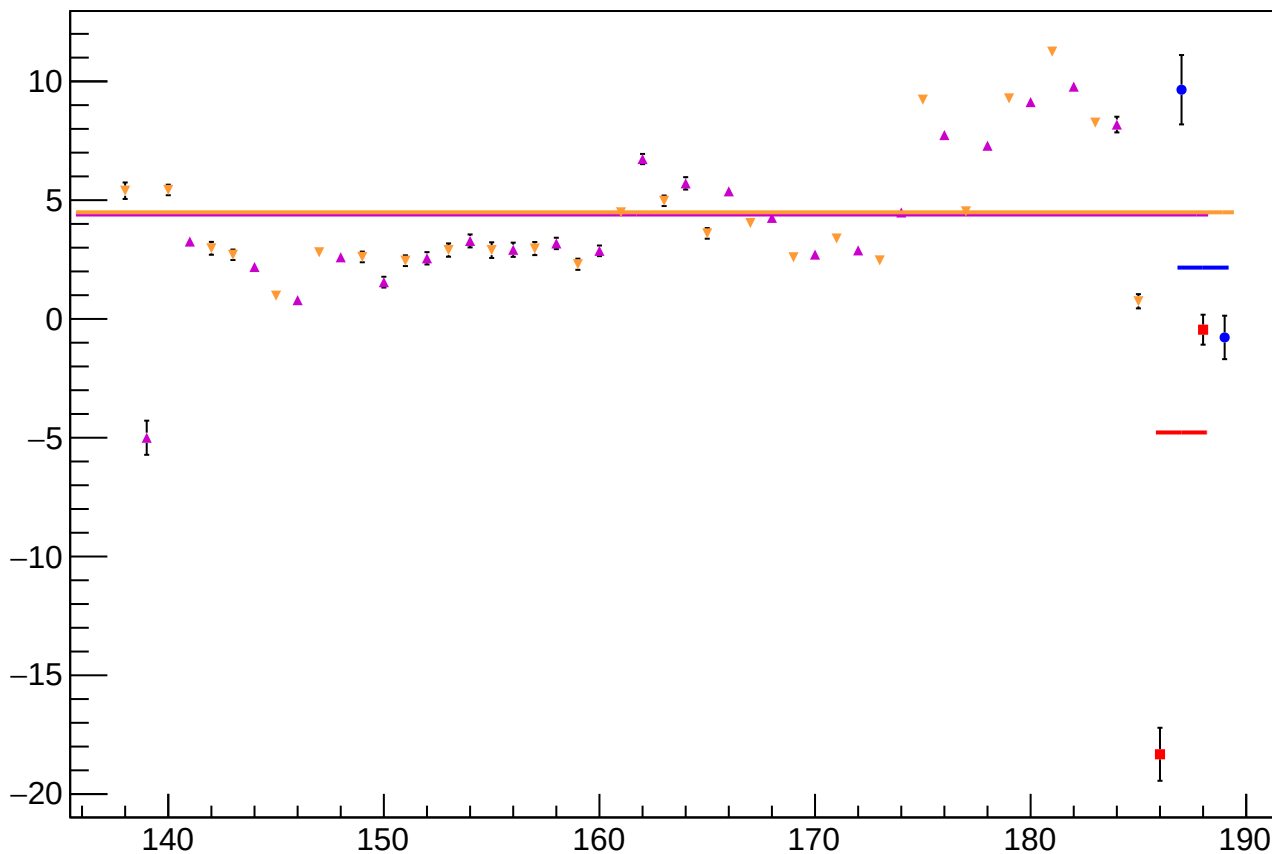
Right: 12.358 ± 0.333 $\chi^2/\text{NDF}: 4498.0/3$

In: -9.796 ± 0.051 $\chi^2/\text{NDF}: 9615.0/24$

Out: -9.577 ± 0.050 $\chi^2/\text{NDF}: 21200.2/26$

All: -9.684 ± 0.036 $\chi^2/\text{NDF}: 30824.5/51$

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.161+/-0.775 χ^2/NDF : 36.6/1

Left Out: 4.489+/-0.041 χ^2/NDF : 4832.3/24

Right Out: -4.779+/-0.549 χ^2/NDF : 194.3/1

Left In: 4.396+/-0.041 χ^2/NDF : 4230.4/22

Left: 4.443+/-0.029 χ^2/NDF : 9065.3/47

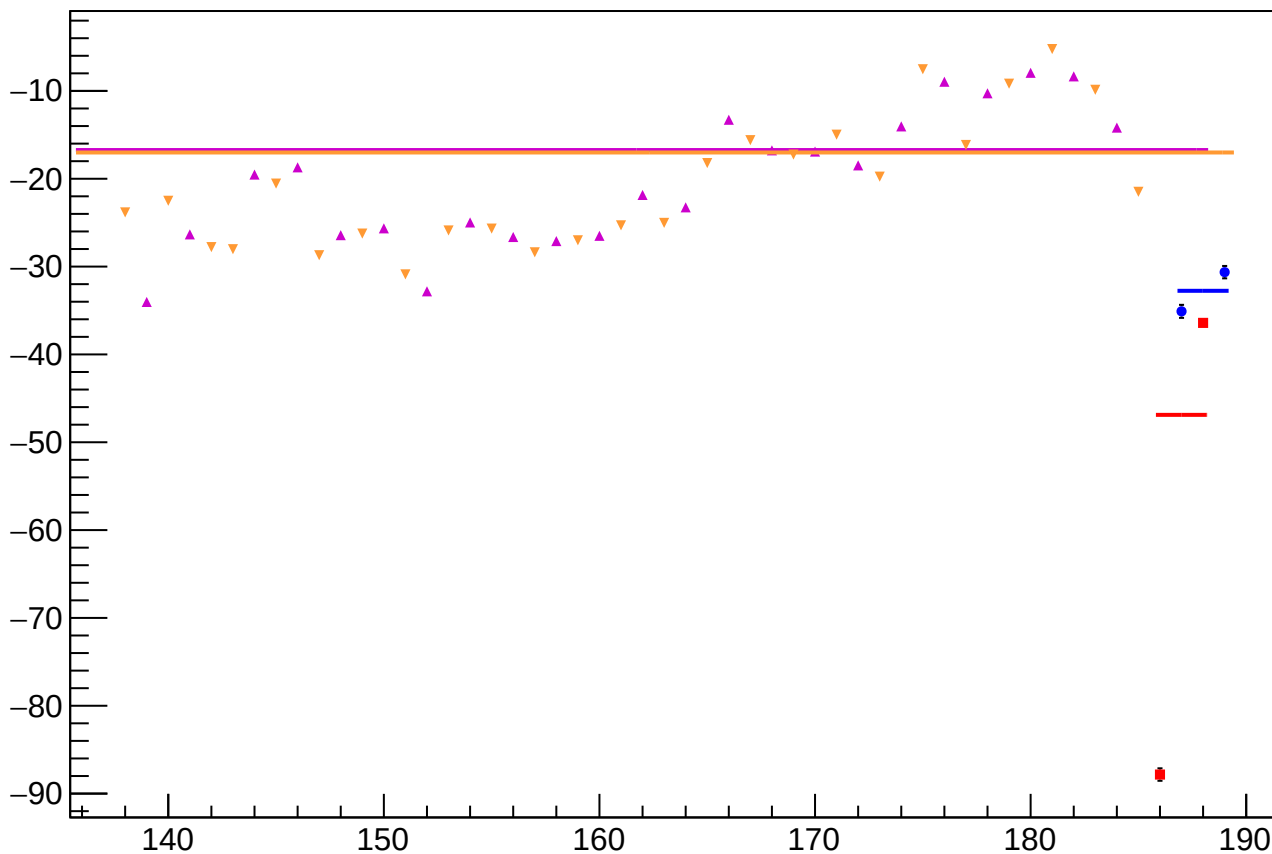
Right: -2.460+/-0.448 χ^2/NDF : 284.3/3

In: 4.390+/-0.041 χ^2/NDF : 4275.3/24

Out: 4.438+/-0.041 χ^2/NDF : 5309.9/26

All: 4.414+/-0.029 χ^2/NDF : 9585.9/51

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 18777.2/22$

Left: -16.871 ± 0.036 $\chi^2/\text{NDF}: 40886.5/47$

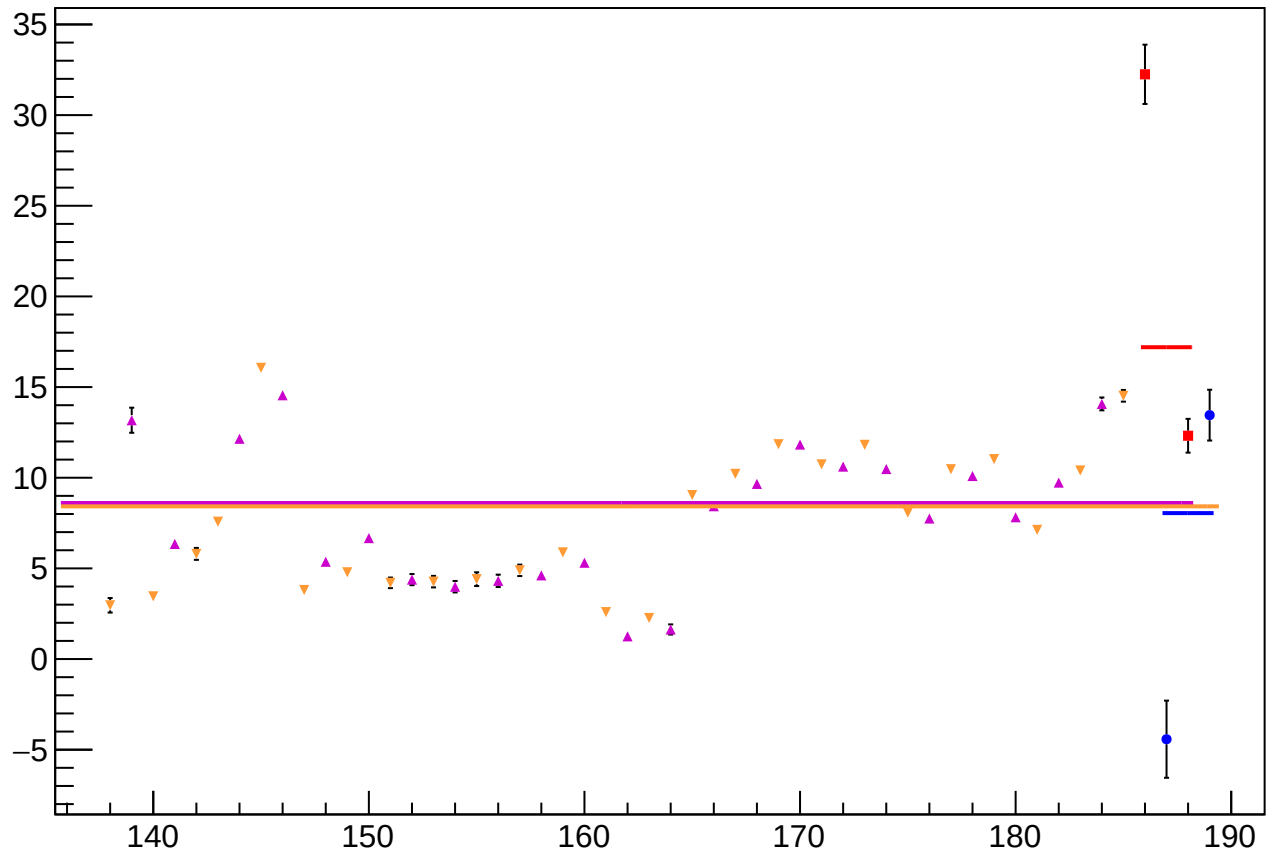
Right: -42.893 ± 0.272 $\chi^2/\text{NDF}: 4733.0/3$

In: -16.893 ± 0.051 $\chi^2/\text{NDF}: 19768.3/24$

Out: -17.747 ± 0.050 $\chi^2/\text{NDF}: 34717.8/26$

All: -17.327 ± 0.036 $\chi^2/\text{NDF}: 54627.0/51$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 8.513 $\pm$ 0.032 χ^2 /NDF: 11982.4/47

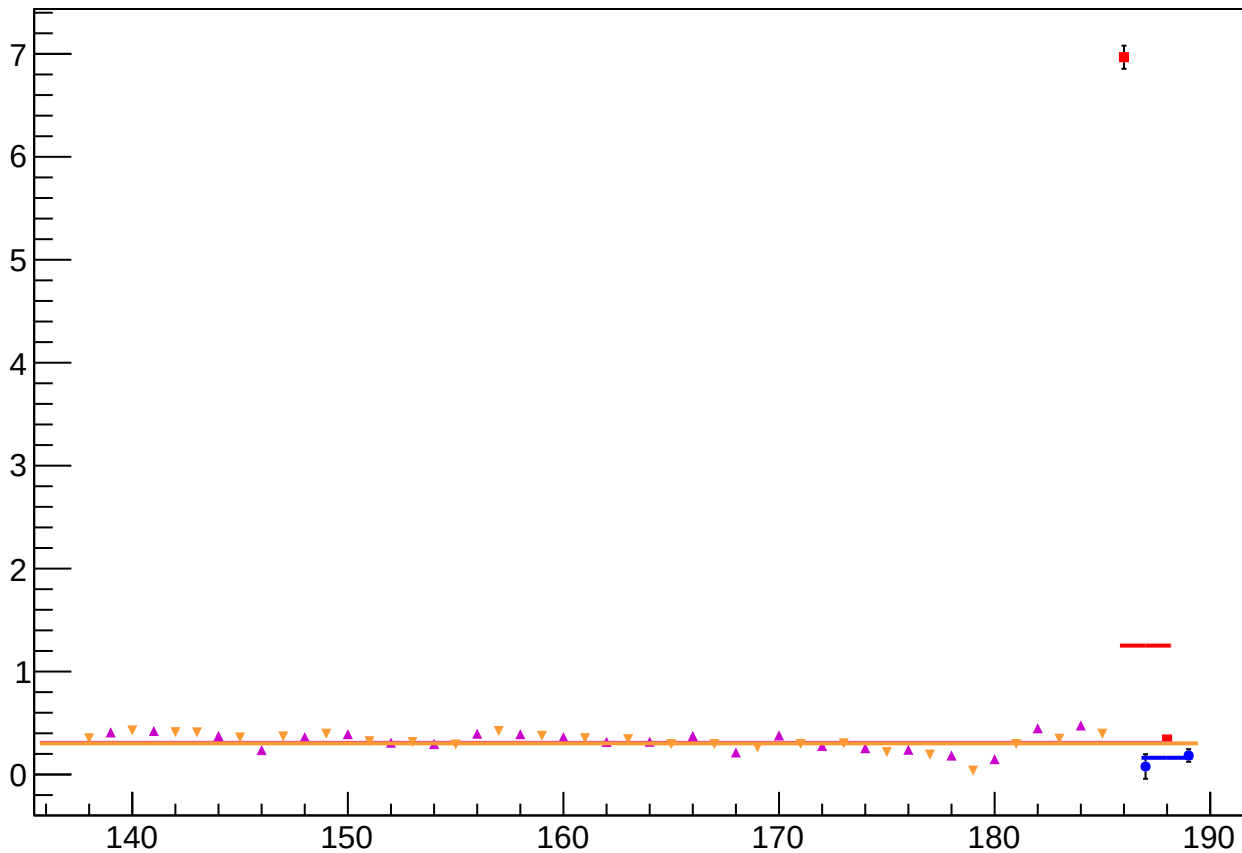
Right: 14.238 $\pm$ 0.666 χ^2 /NDF: 202.8/3

In: 8.605 $\pm$ 0.046 χ^2 /NDF:5553.7/24

Out: 8.450 $\pm$ 0.045 χ^2 /NDF:6699.5/26

All: 8.526 $\pm$ 0.032 χ^2 /NDF: 12259.0/51

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.305 $\pm$ 0.001 χ^2 /NDF: 3293.0/47

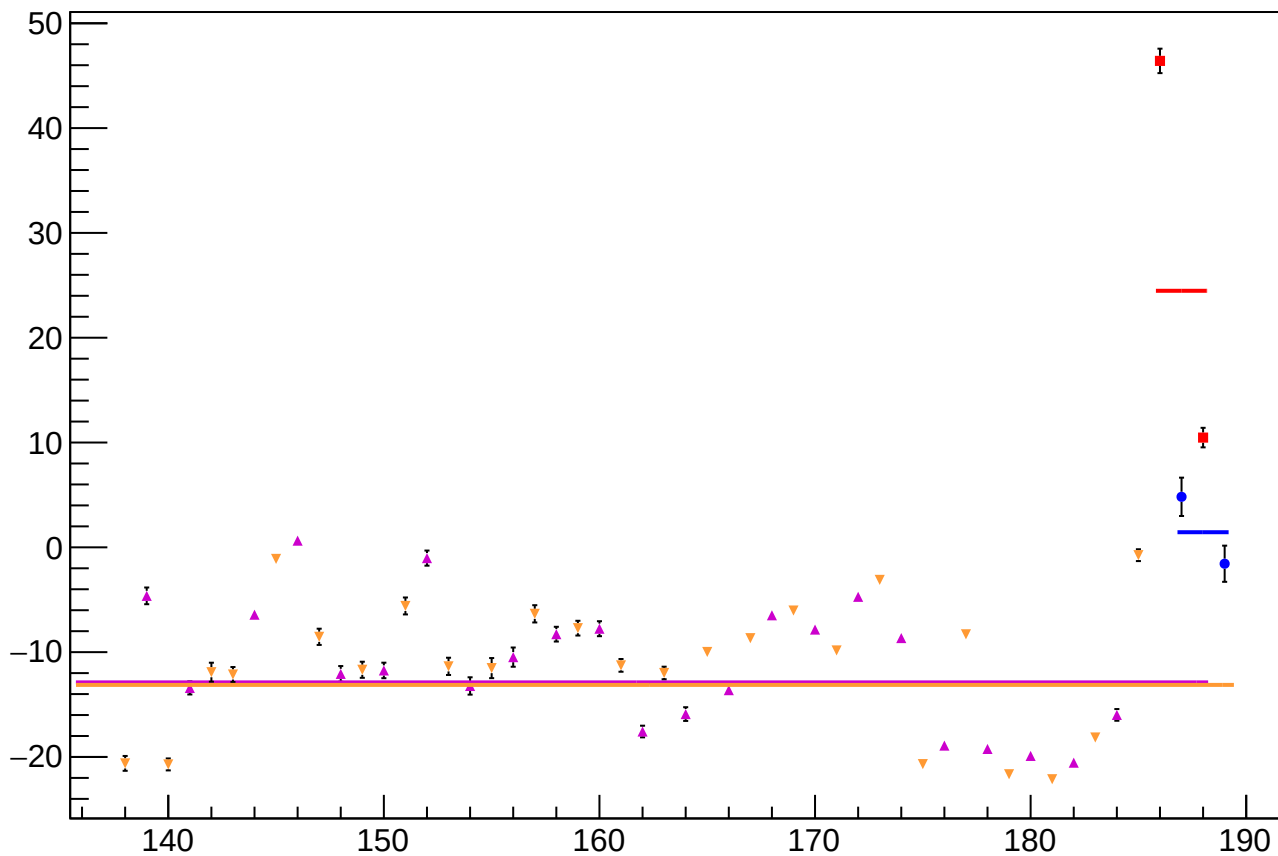
Right: 0.850 $\pm$ 0.033 χ^2 /NDF: 3263.3/3

In: 0.307 $\pm$ 0.002 χ^2 /NDF:1707.2/24

Out: 0.305 $\pm$ 0.002 χ^2 /NDF:5119.8/26

All: 0.306 $\pm$ 0.001 χ^2 /NDF: 6827.6/51

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.442 ± 1.255 $\chi^2/\text{NDF}: 6.4/1$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: 24.477 ± 0.728 $\chi^2/\text{NDF}: 579.3/1$

Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

Left: -13.007 ± 0.067 $\chi^2/\text{NDF}: 10757.0/47$

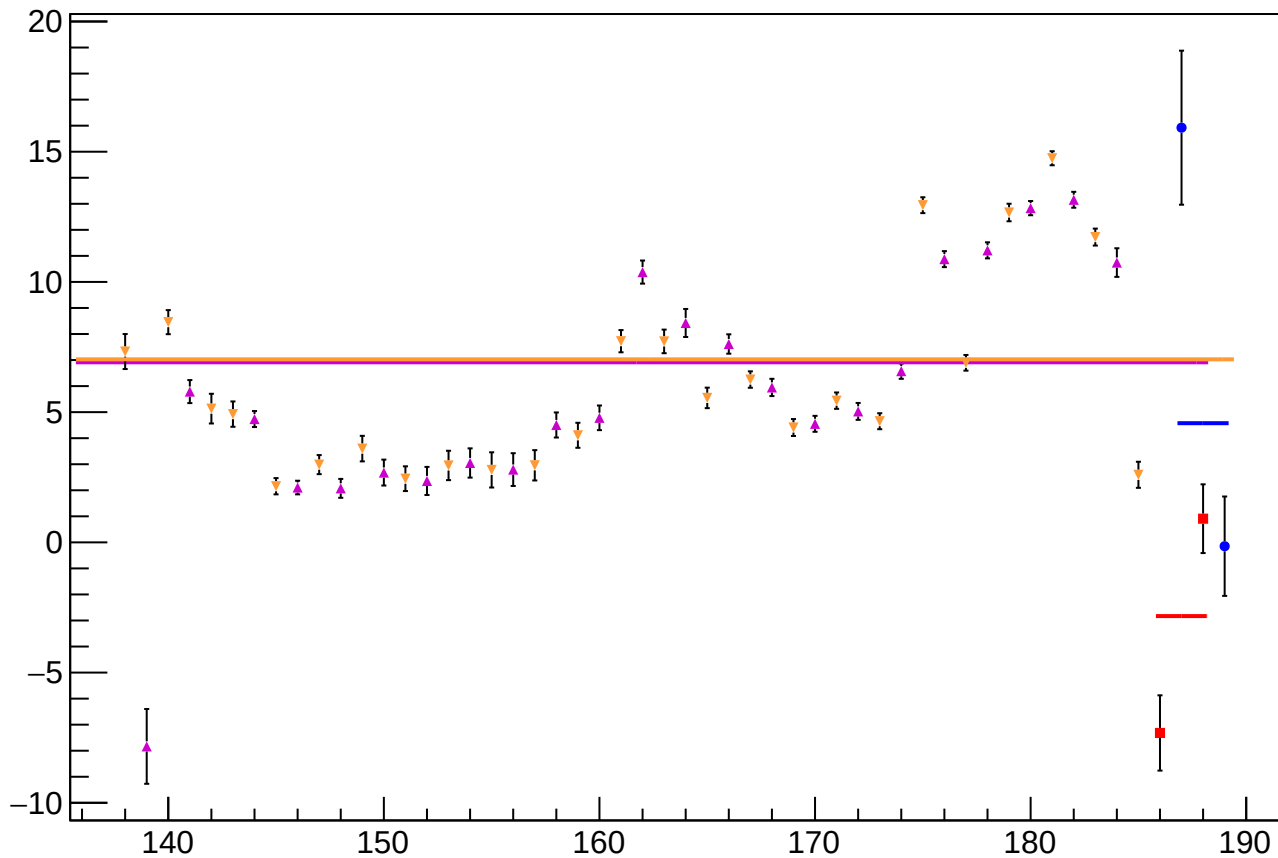
Right: 18.676 ± 0.630 $\chi^2/\text{NDF}: 837.8/3$

In: -12.804 ± 0.095 $\chi^2/\text{NDF}: 4912.2/24$

Out: -12.513 ± 0.093 $\chi^2/\text{NDF}: 9179.9/26$

All: -12.655 ± 0.066 $\chi^2/\text{NDF}: 14096.8/51$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.576 $\pm$ 1.603 χ^2 /NDF: 20.9/1

Left Out: 7.028 $\pm$ 0.077 χ^2 /NDF:2665.3/24

Right Out: -2.831 $\pm$ 0.975 χ^2 /NDF: 17.7/1

Left In: 6.914 $\pm$ 0.078 χ^2 /NDF:2428.2/22

Left: 6.971 $\pm$ 0.055 χ^2 /NDF: 5094.6/47

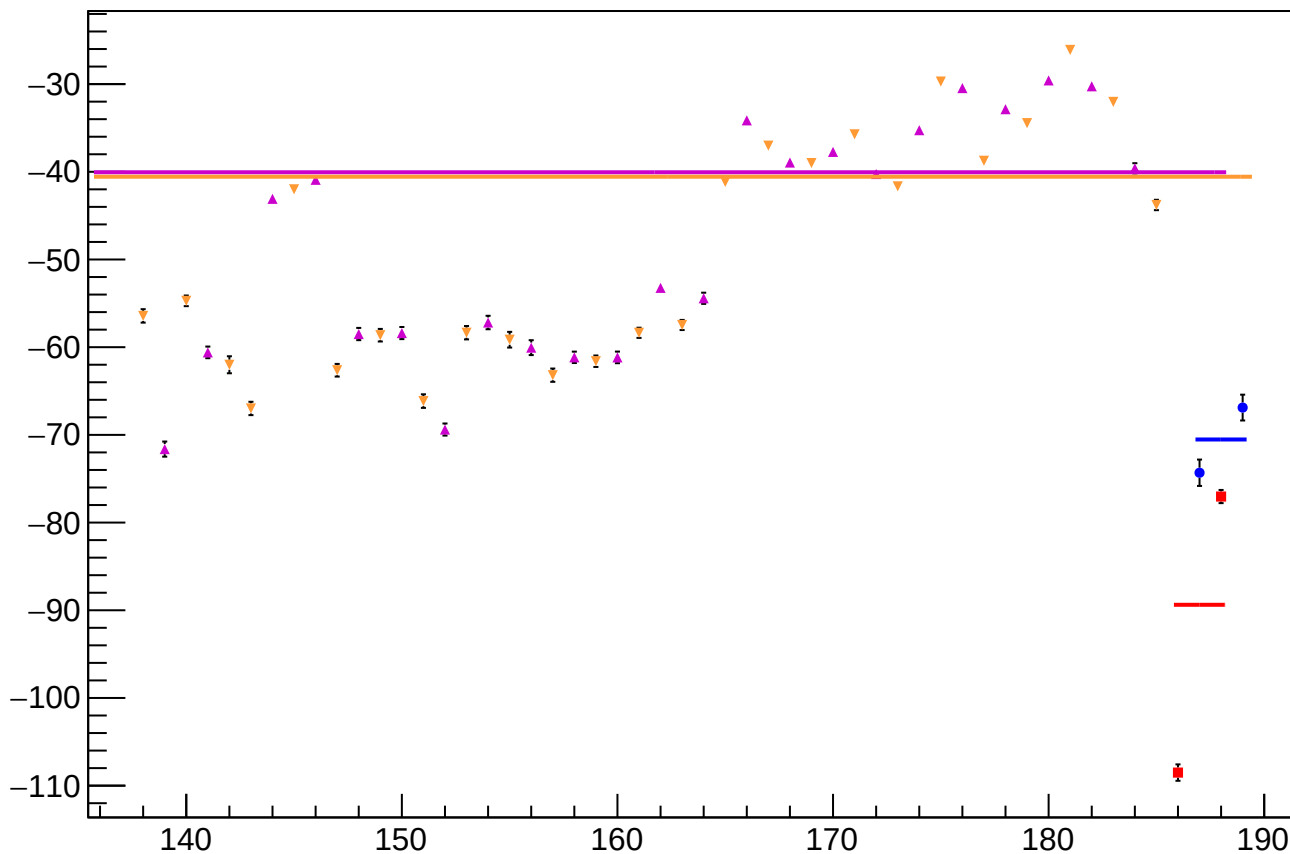
Right: -0.832 $\pm$ 0.833 χ^2 /NDF: 54.1/3

In: 6.908 $\pm$ 0.078 χ^2 /NDF:2451.2/24

Out: 6.966 $\pm$ 0.077 χ^2 /NDF:2784.7/26

All: 6.938 $\pm$ 0.055 χ^2 /NDF: 5236.2/51

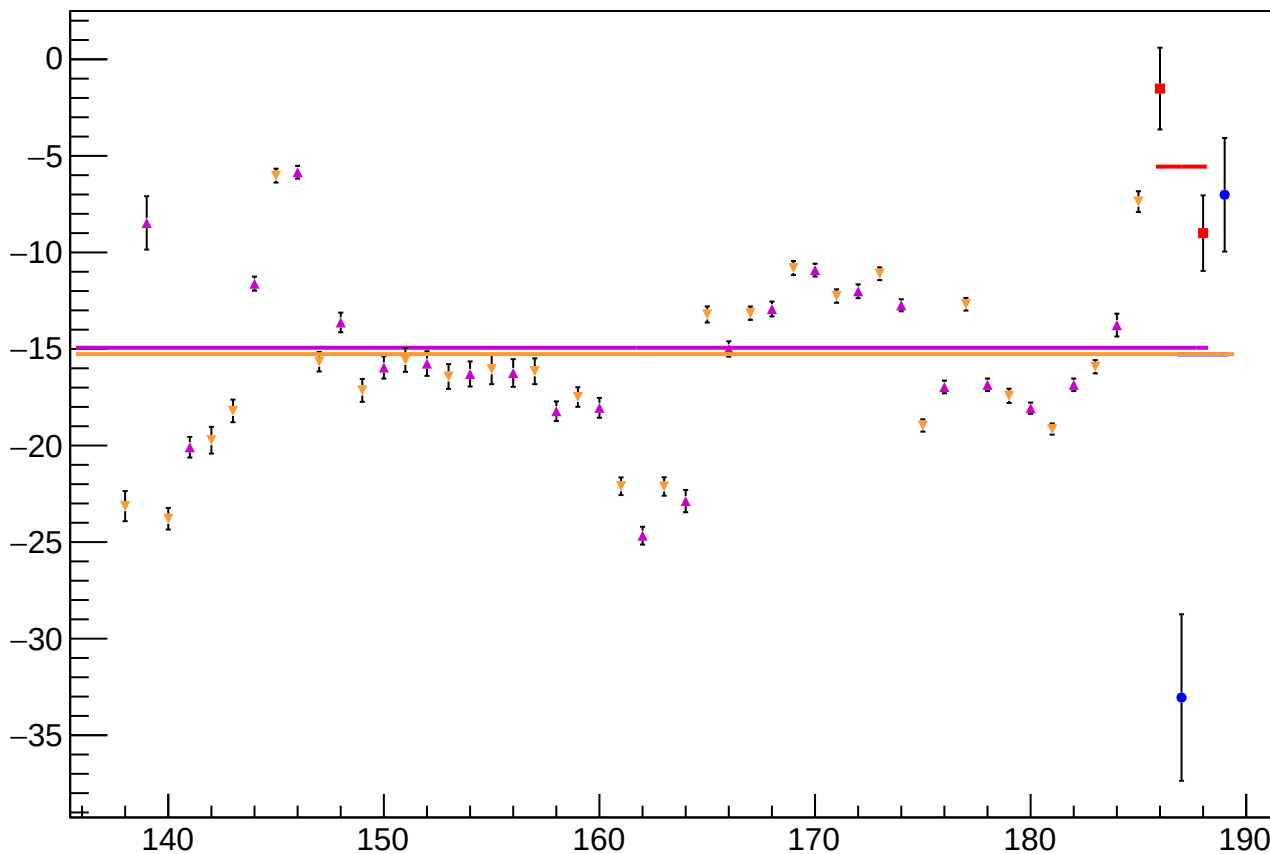
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 13927.3/22$

Left: -40.310 ± 0.067 $\chi^2/\text{NDF}: 29579.2/47$
 Right: -84.911 ± 0.512 $\chi^2/\text{NDF}: 945.7/3$
 In: -40.303 ± 0.095 $\chi^2/\text{NDF}: 14772.4/24$
 Out: -41.806 ± 0.094 $\chi^2/\text{NDF}: 23089.5/26$
 All: -41.069 ± 0.067 $\chi^2/\text{NDF}: 37988.6/51$

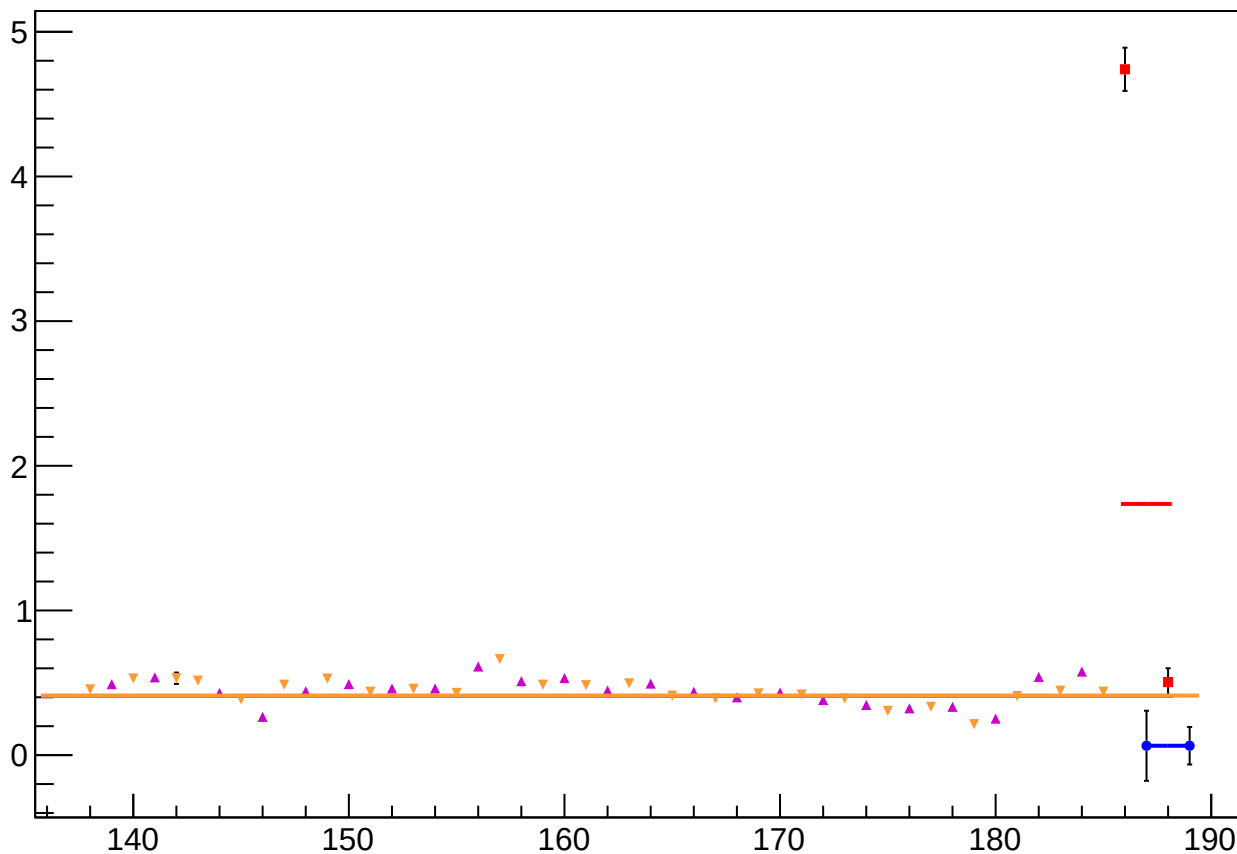
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 2199.7/22$

Left: -15.103 ± 0.061 $\chi^2/\text{NDF}: 4802.4/47$
 Right: -8.075 ± 1.236 $\chi^2/\text{NDF}: 43.5/3$
 In: -14.937 ± 0.087 $\chi^2/\text{NDF}: 2224.6/24$
 Out: -15.231 ± 0.086 $\chi^2/\text{NDF}: 2647.7/26$
 All: -15.086 ± 0.061 $\chi^2/\text{NDF}: 4878.2/51$

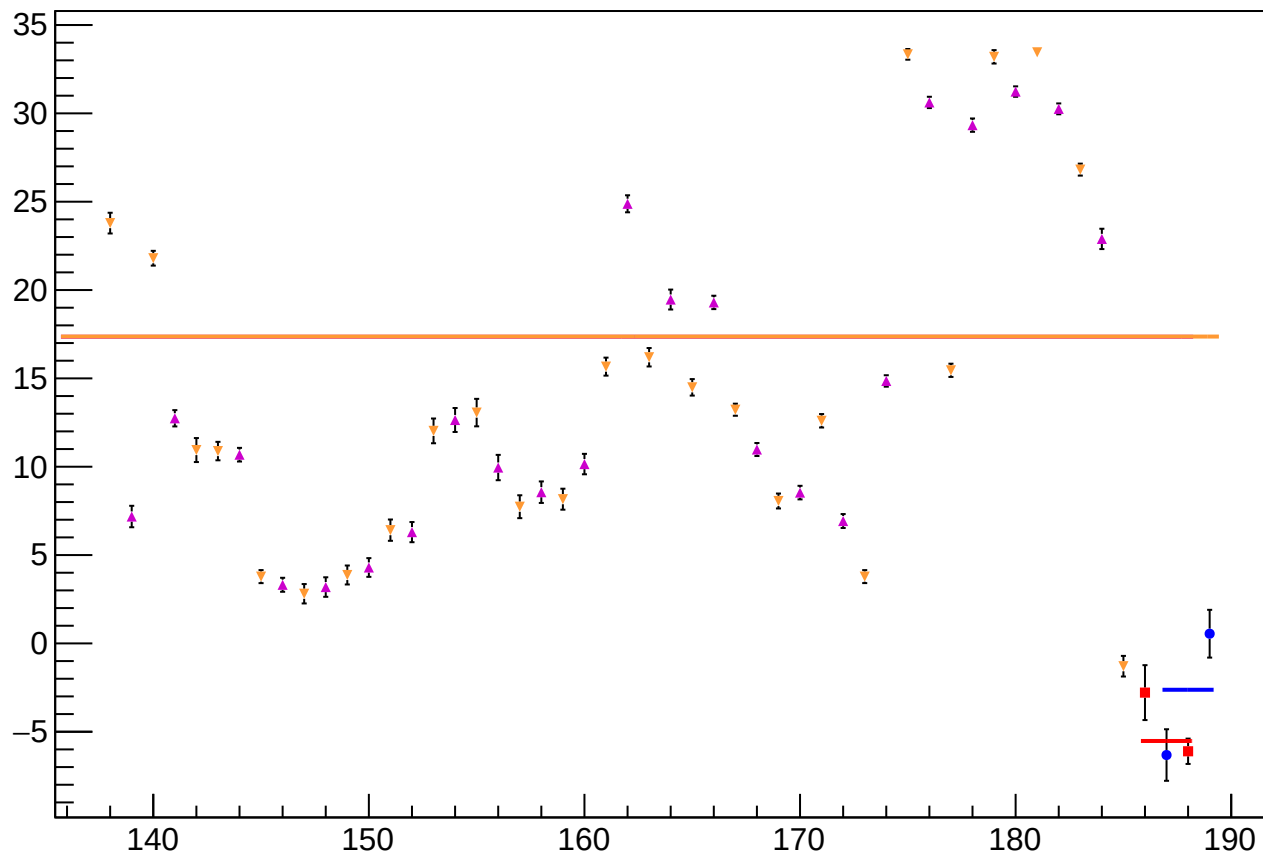
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065 ± 0.114 $\chi^2/\text{NDF}: 0.0/1$
 Left Out: 0.411 ± 0.004 $\chi^2/\text{NDF}: 428.7/24$
 Right Out: 1.736 ± 0.081 $\chi^2/\text{NDF}: 570.4/1$
 Left In: 0.409 ± 0.004 $\chi^2/\text{NDF}: 557.8/22$

Left: 0.410 ± 0.003 $\chi^2/\text{NDF}: 986.7/47$
 Right: 1.181 ± 0.066 $\chi^2/\text{NDF}: 713.6/3$
 In: 0.409 ± 0.004 $\chi^2/\text{NDF}: 567.0/24$
 Out: 0.415 ± 0.004 $\chi^2/\text{NDF}: 1269.1/26$
 All: 0.412 ± 0.003 $\chi^2/\text{NDF}: 1837.0/51$

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 12745.1/22$

Left: 17.361 ± 0.062 $\chi^2/\text{NDF}: 29082.8/47$

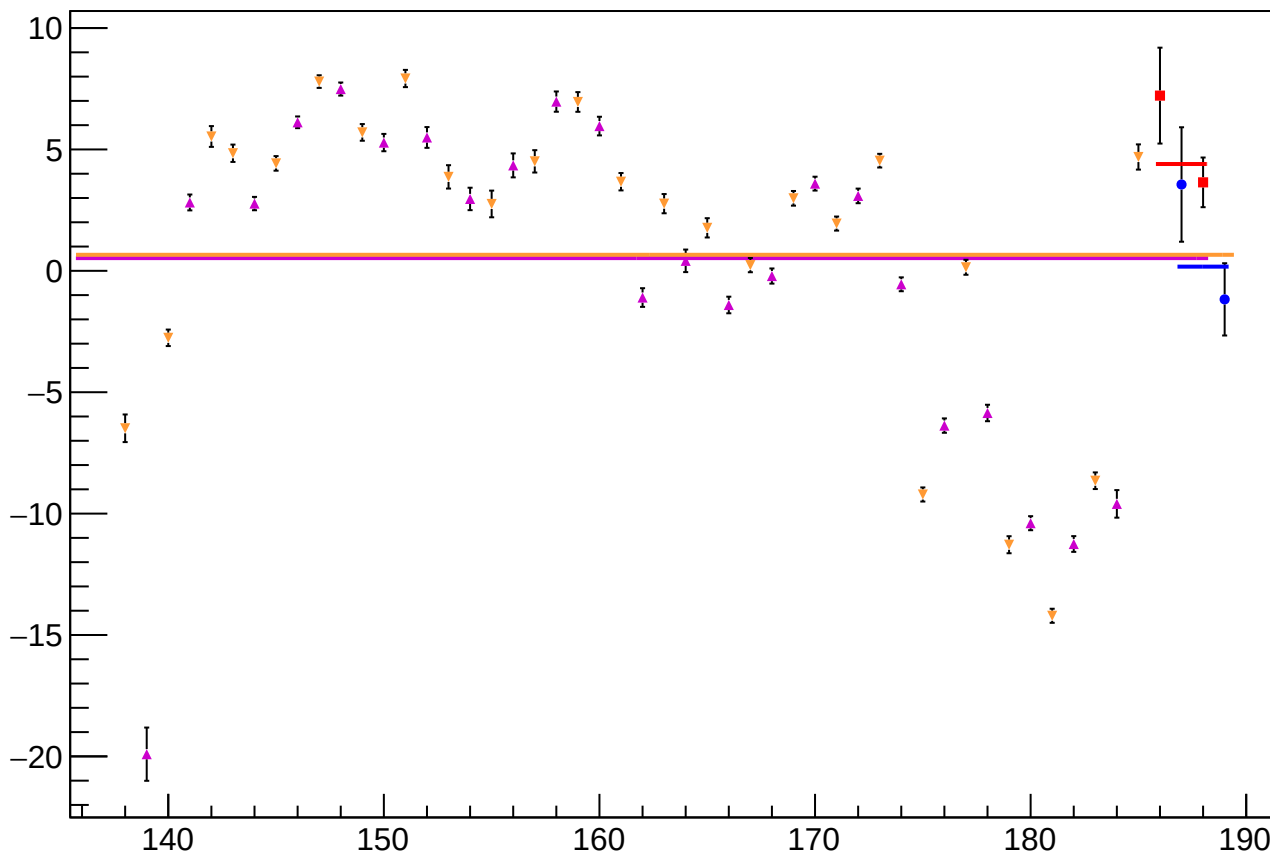
Right: -4.650 ± 0.544 $\chi^2/\text{NDF}: 21.7/3$

In: 17.196 ± 0.089 $\chi^2/\text{NDF}: 13159.9/24$

Out: 16.965 ± 0.086 $\chi^2/\text{NDF}: 17556.5/26$

All: 17.077 ± 0.062 $\chi^2/\text{NDF}: 30719.8/51$

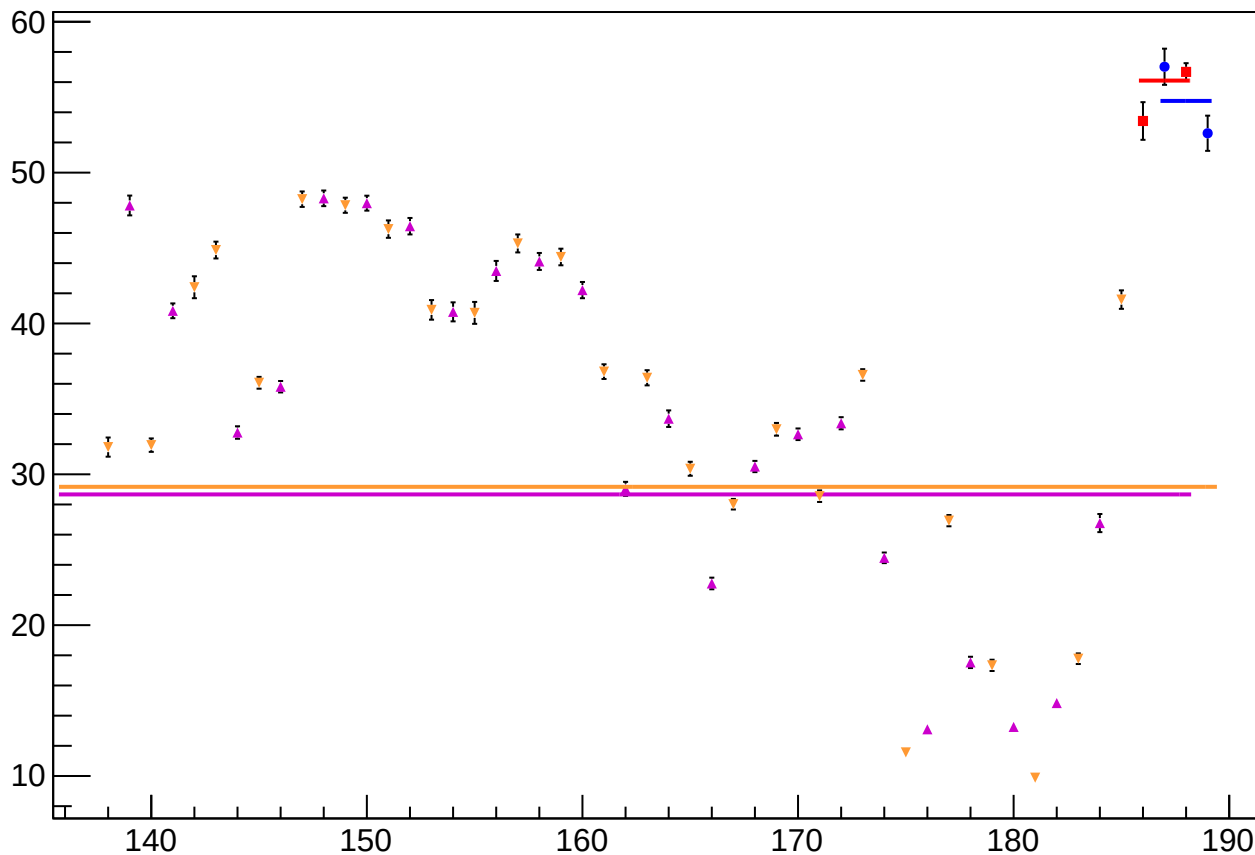
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.173 ± 1.258 $\chi^2/\text{NDF}: 2.9/1$
 Left Out: 0.661 ± 0.069 $\chi^2/\text{NDF}: 8553.9/24$
 Right Out: 4.400 ± 0.908 $\chi^2/\text{NDF}: 2.6/1$
 Left In: 0.524 ± 0.071 $\chi^2/\text{NDF}: 6729.7/22$

Left: 0.594 ± 0.050 $\chi^2/\text{NDF}: 15285.5/47$
 Right: 2.952 ± 0.736 $\chi^2/\text{NDF}: 12.9/3$
 In: 0.523 ± 0.071 $\chi^2/\text{NDF}: 6732.7/24$
 Out: 0.682 ± 0.069 $\chi^2/\text{NDF}: 8573.3/26$
 All: 0.604 ± 0.049 $\chi^2/\text{NDF}: 15308.6/51$

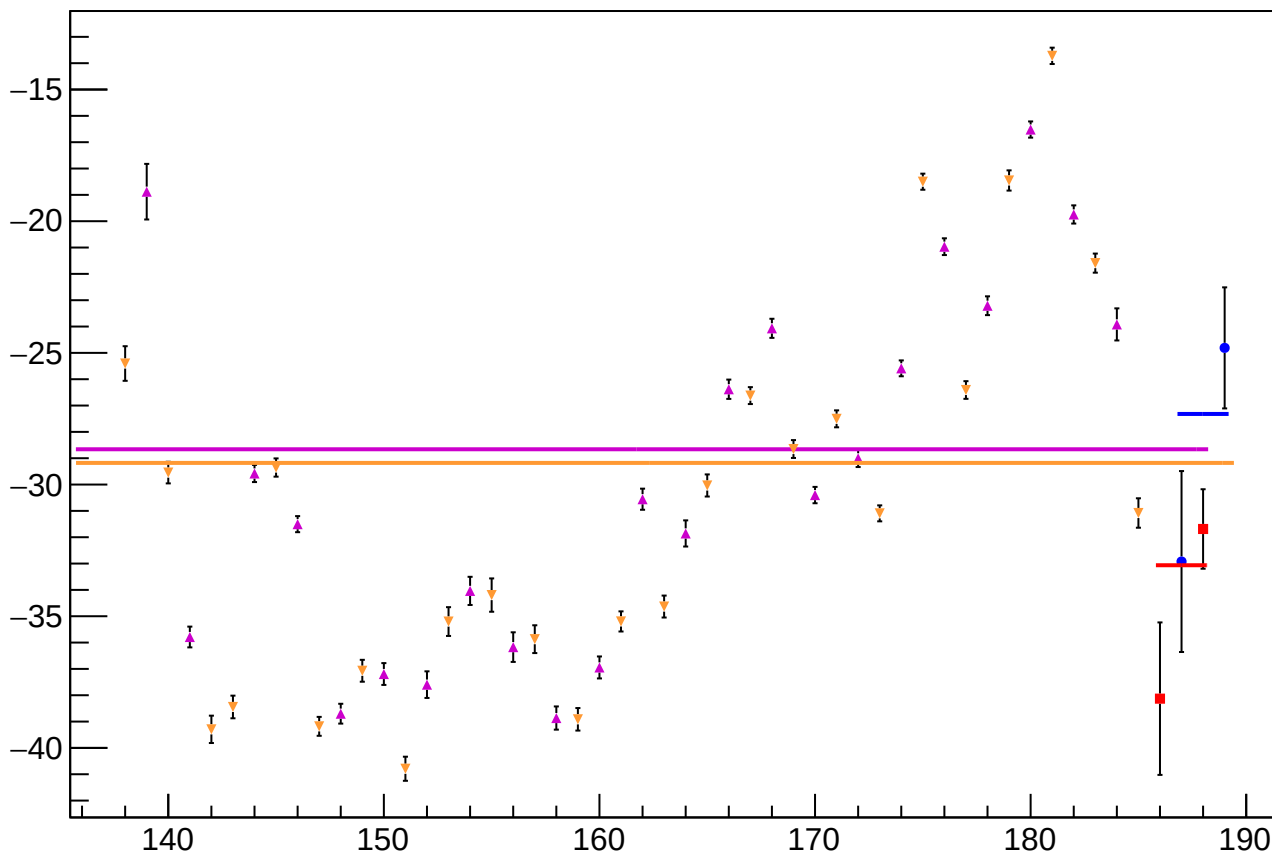
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 28.923 $\pm$ 0.063 χ^2 /NDF: 35838.1/47
 Right: 55.721 $\pm$ 0.445 χ^2 /NDF: 14.4/3
 In: 28.960 $\pm$ 0.089 χ^2 /NDF:17816.7/24
 Out: 29.904 $\pm$ 0.087 χ^2 /NDF:21541.1/26
 All: 29.443 $\pm$ 0.062 χ^2 /NDF: 39415.7/51

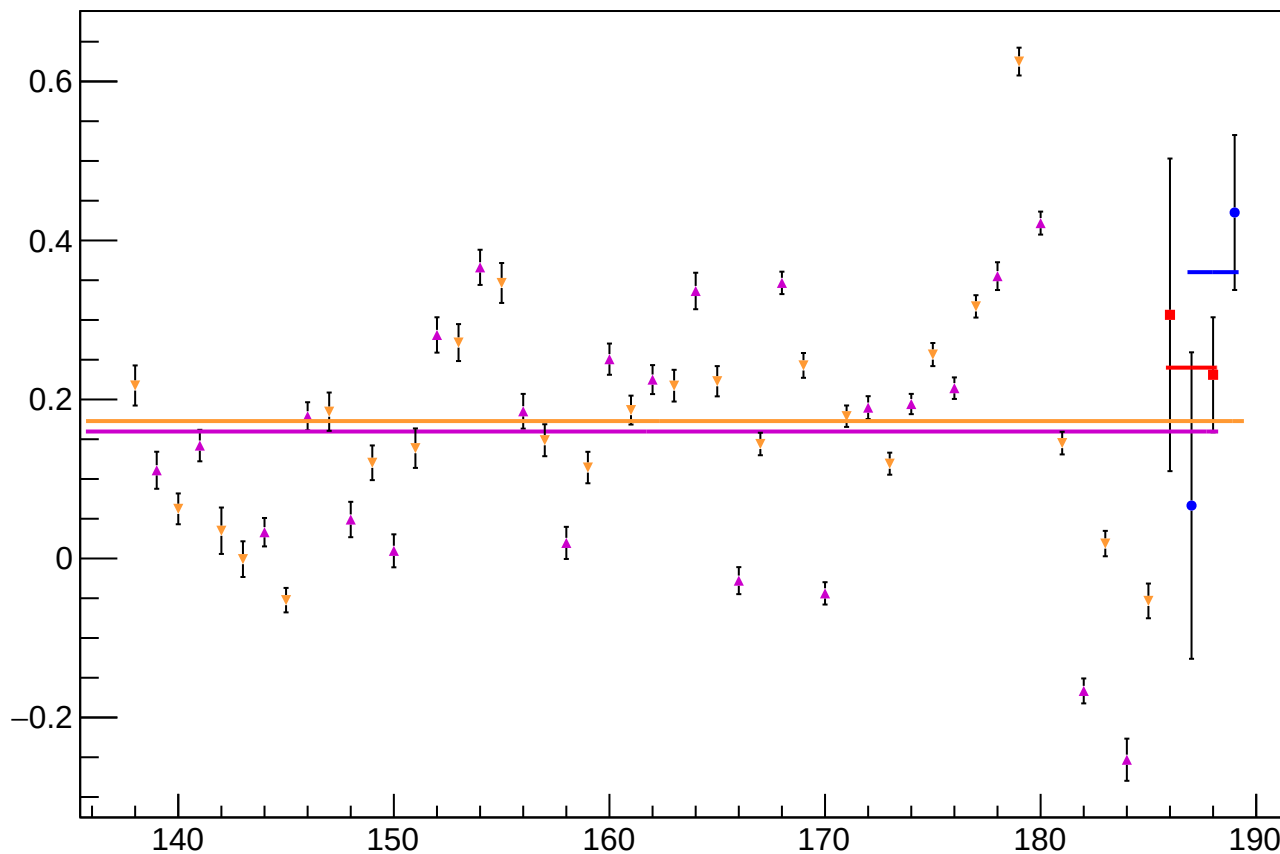
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -28.924 ± 0.056 χ^2/NDF : 15773.0/47
 Right: -31.173 ± 1.096 χ^2/NDF : 13.8/3
 In: -28.658 ± 0.080 χ^2/NDF : 6674.5/24
 Out: -29.191 ± 0.078 χ^2/NDF : 9093.7/26
 All: -28.930 ± 0.056 χ^2/NDF : 15791.0/51

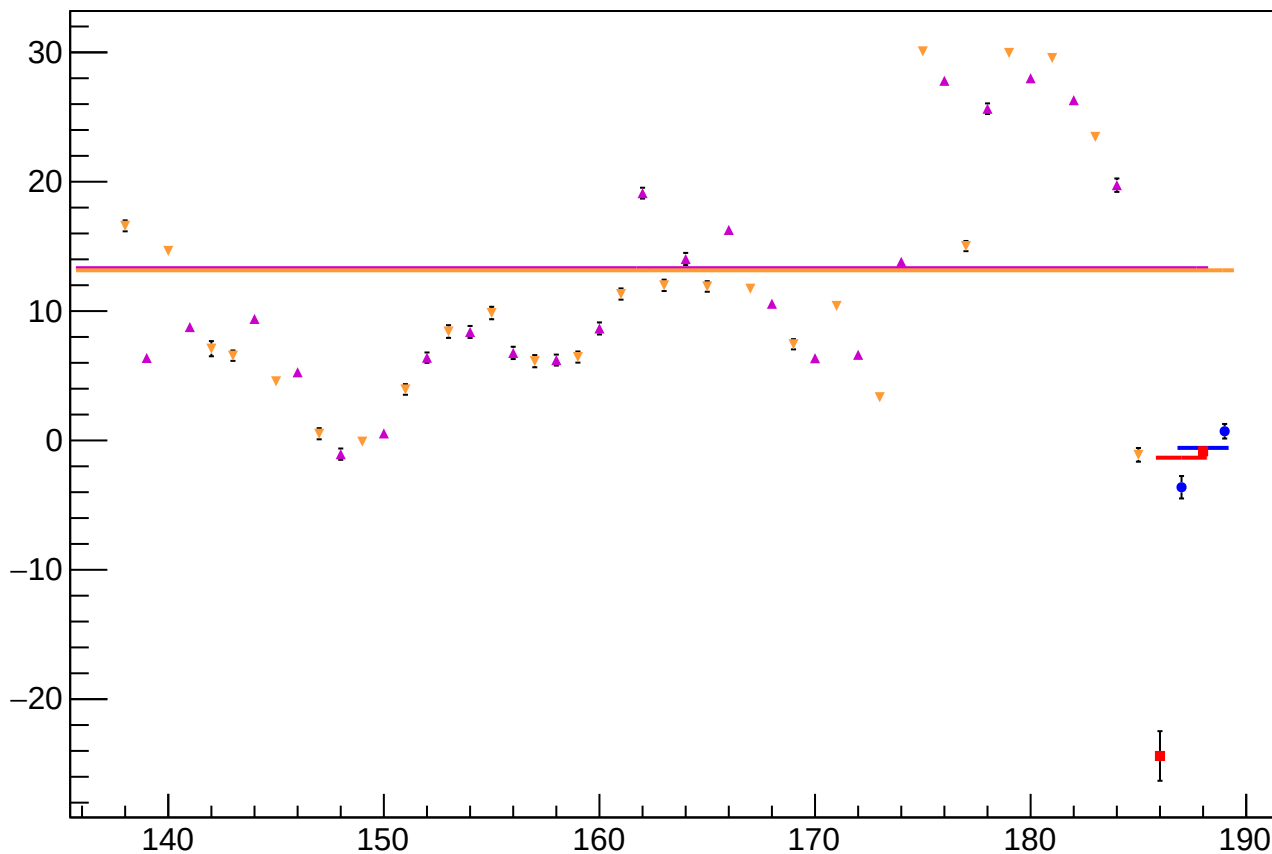
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.360 $\pm$ 0.087 χ^2 /NDF: 2.9/1
 Left Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1478.5/24
 Right Out: 0.240 $\pm$ 0.068 χ^2 /NDF: 0.1/1
 Left In: 0.160 $\pm$ 0.004 χ^2 /NDF:2057.9/22

Left: 0.166 $\pm$ 0.003 χ^2 /NDF: 3542.9/47
 Right: 0.286 $\pm$ 0.054 χ^2 /NDF: 4.2/3
 In: 0.160 $\pm$ 0.004 χ^2 /NDF:2066.1/24
 Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1479.6/26
 All: 0.167 $\pm$ 0.003 χ^2 /NDF: 3552.1/51

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 13.232 ± 0.054 χ^2/NDF : 31059.6/47

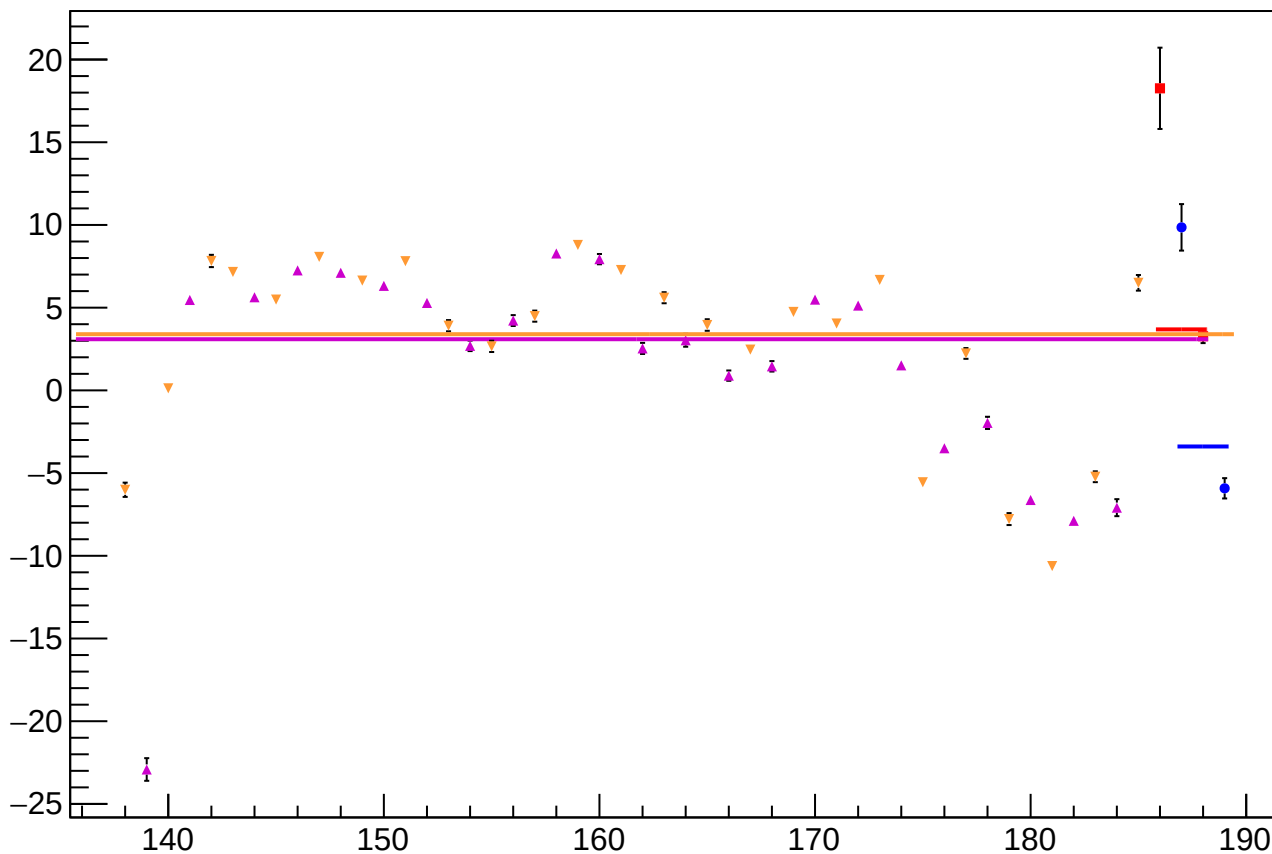
Right: -1.137 ± 0.240 χ^2/NDF : 166.9/3

In: 12.955 ± 0.076 χ^2/NDF : 14836.6/24

Out: 12.171 ± 0.073 χ^2/NDF : 19741.4/26

All: 12.545 ± 0.053 χ^2/NDF : 34633.4/51

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.392+/-0.563 χ^2/NDF : 105.8/1

Left Out: 3.396+/-0.058 χ^2/NDF :8101.5/24

Right Out: 3.687+/-0.409 χ^2/NDF : 36.2/1

Left In: 3.092+/-0.061 χ^2/NDF :7104.4/22

Left: 3.250+/-0.042 χ^2/NDF : 15218.9/47

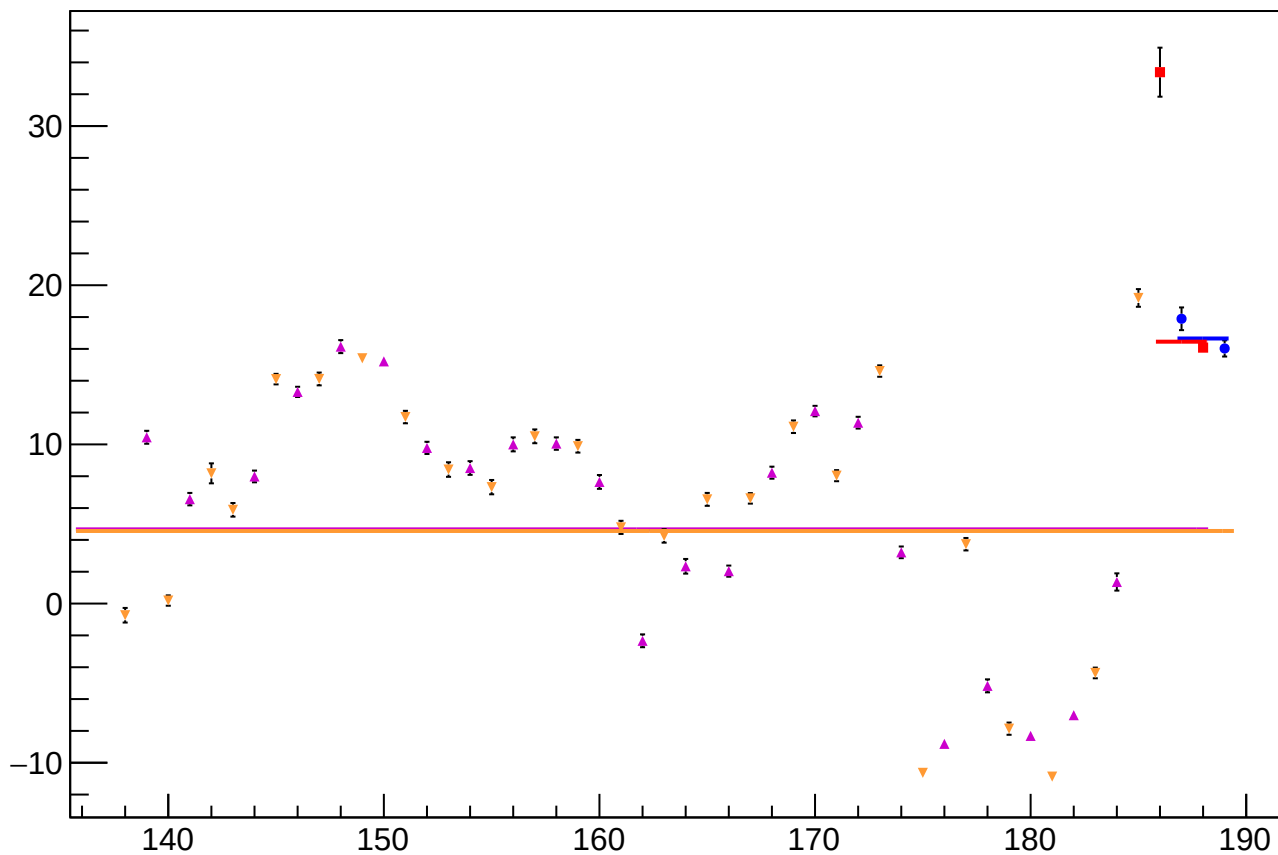
Right: 1.242+/-0.331 χ^2/NDF : 245.6/3

In: 3.018+/-0.060 χ^2/NDF :7341.5/24

Out: 3.402+/-0.058 χ^2/NDF :8138.2/26

All: 3.218+/-0.042 χ^2/NDF : 15500.8/51

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 4.610 $\pm$ 0.054 χ^2 /NDF: 24874.4/47

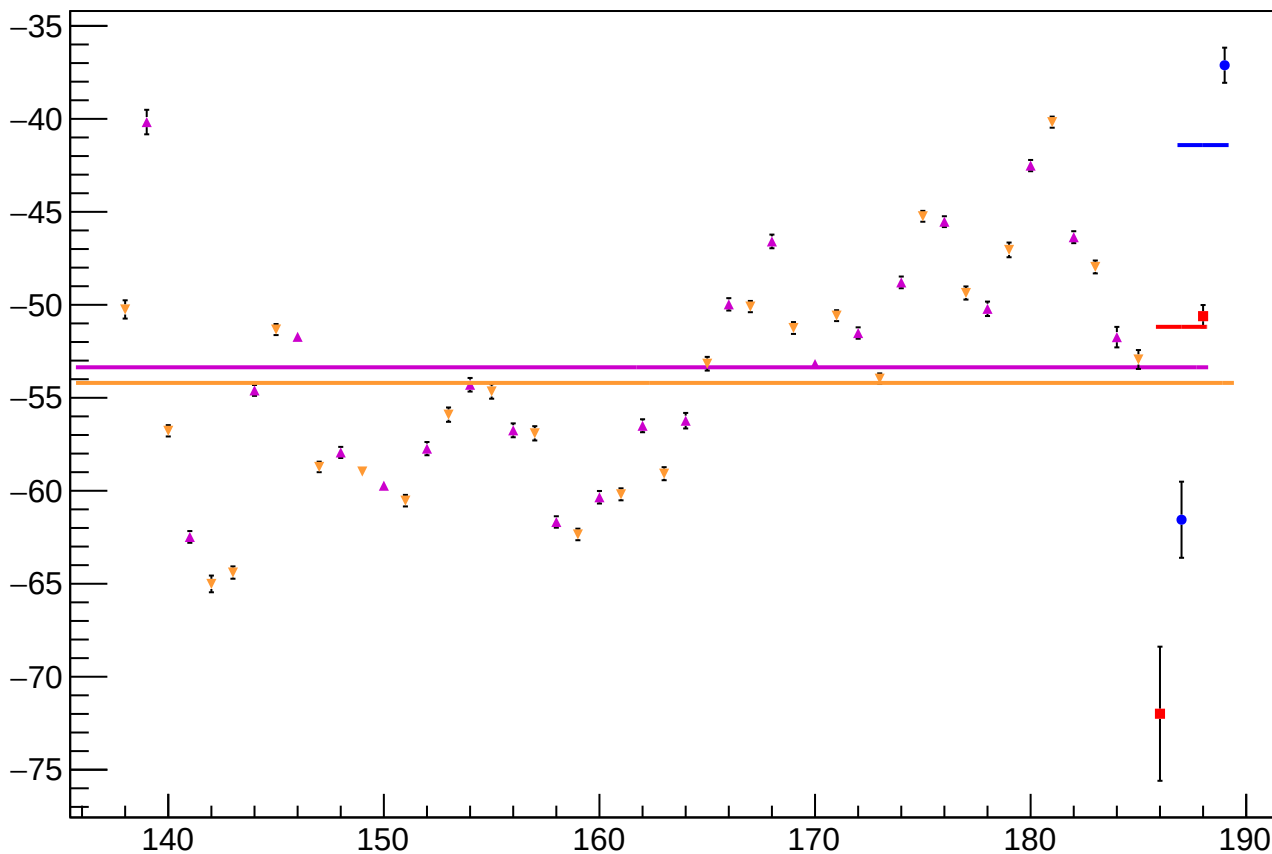
Right: 16.499 $\pm$ 0.198 χ^2 /NDF: 128.3/3

In: 5.062 $\pm$ 0.076 χ^2 /NDF:12099.2/24

Out: 5.750 $\pm$ 0.072 χ^2 /NDF:16203.5/26

All: 5.424 $\pm$ 0.052 χ^2 /NDF: 28346.4/51

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



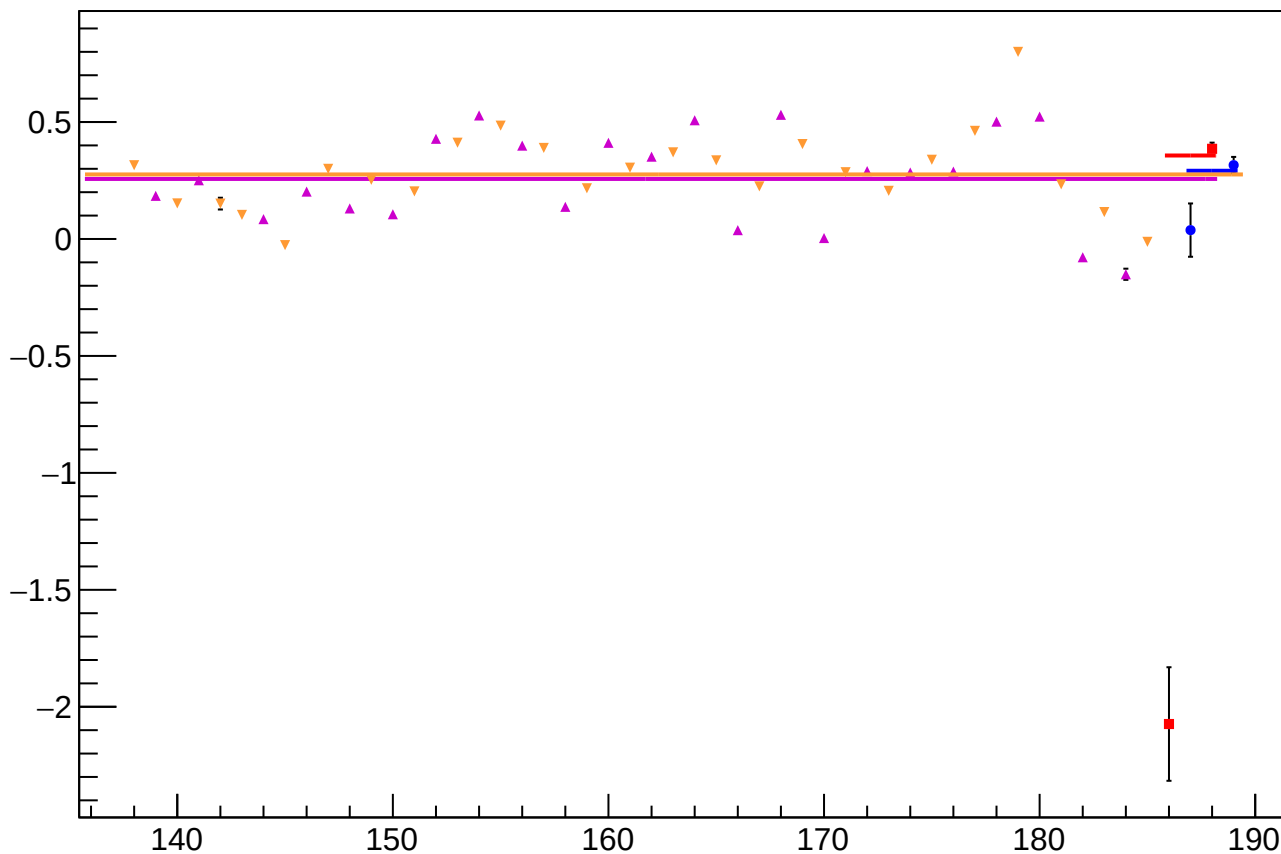
Right In: -41.410 ± 0.858 $\chi^2/\text{NDF}: 117.6/1$
 Left Out: -54.199 ± 0.066 $\chi^2/\text{NDF}: 8454.7/24$
 Right Out: -51.184 ± 0.591 $\chi^2/\text{NDF}: 34.2/1$
 Left In: -53.359 ± 0.068 $\chi^2/\text{NDF}: 6882.0/22$

Left: -53.792 ± 0.048 $\chi^2/\text{NDF}: 15414.3/47$
 Right: -48.039 ± 0.487 $\chi^2/\text{NDF}: 239.8/3$

In: -53.283 ± 0.068 $\chi^2/\text{NDF}: 7192.4/24$
 Out: -54.161 ± 0.066 $\chi^2/\text{NDF}: 8514.7/26$

All: -53.737 ± 0.047 $\chi^2/\text{NDF}: 15792.6/51$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.292 $\pm$ 0.034 χ^2 /NDF: 5.4/1

Left Out: 0.276 $\pm$ 0.003 χ^2 /NDF:2623.6/24

Right Out: 0.357 $\pm$ 0.026 χ^2 /NDF: 101.4/1

Left In: 0.257 $\pm$ 0.003 χ^2 /NDF:3623.9/22

Left: 0.266 $\pm$ 0.002 χ^2 /NDF: 6267.0/47

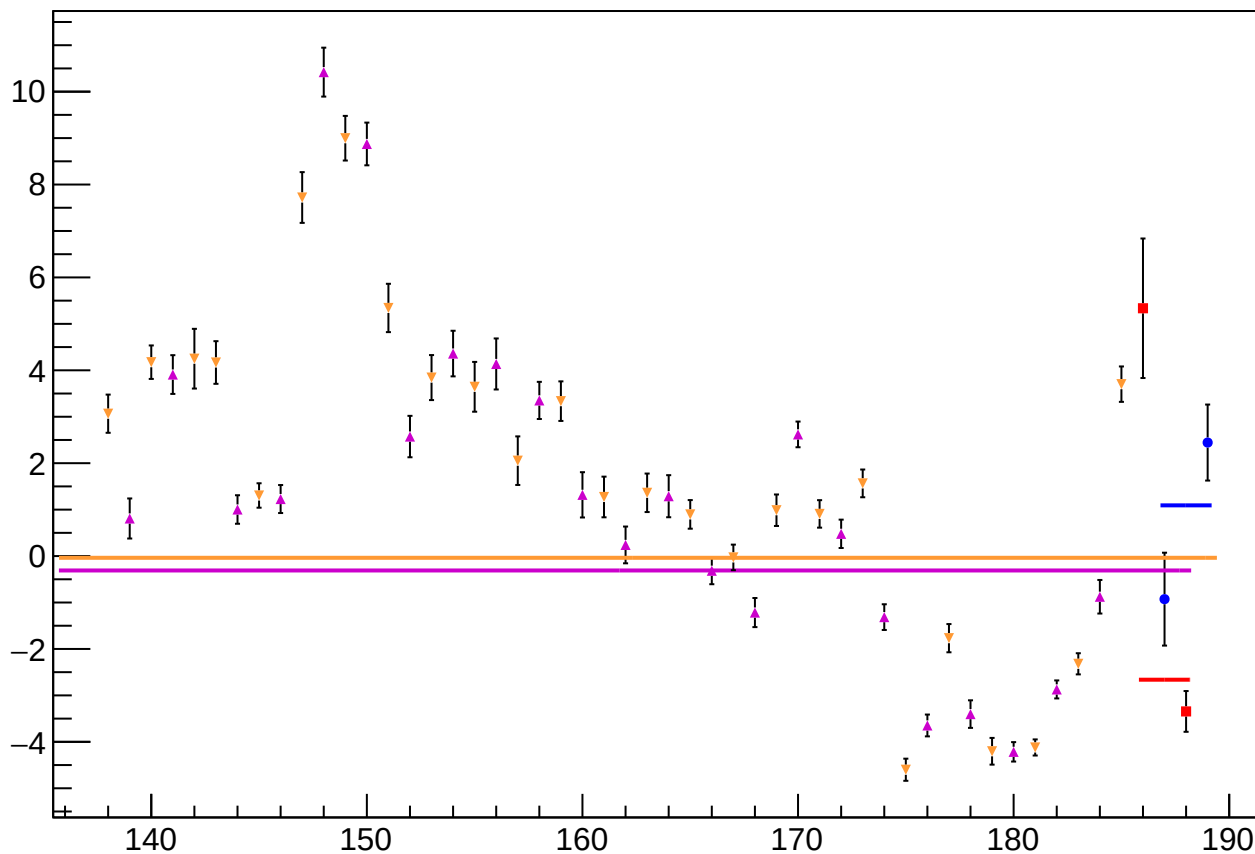
Right: 0.332 $\pm$ 0.021 χ^2 /NDF: 109.2/3

In: 0.257 $\pm$ 0.003 χ^2 /NDF:3630.4/24

Out: 0.277 $\pm$ 0.003 χ^2 /NDF:2734.4/26

All: 0.267 $\pm$ 0.002 χ^2 /NDF: 6386.2/51

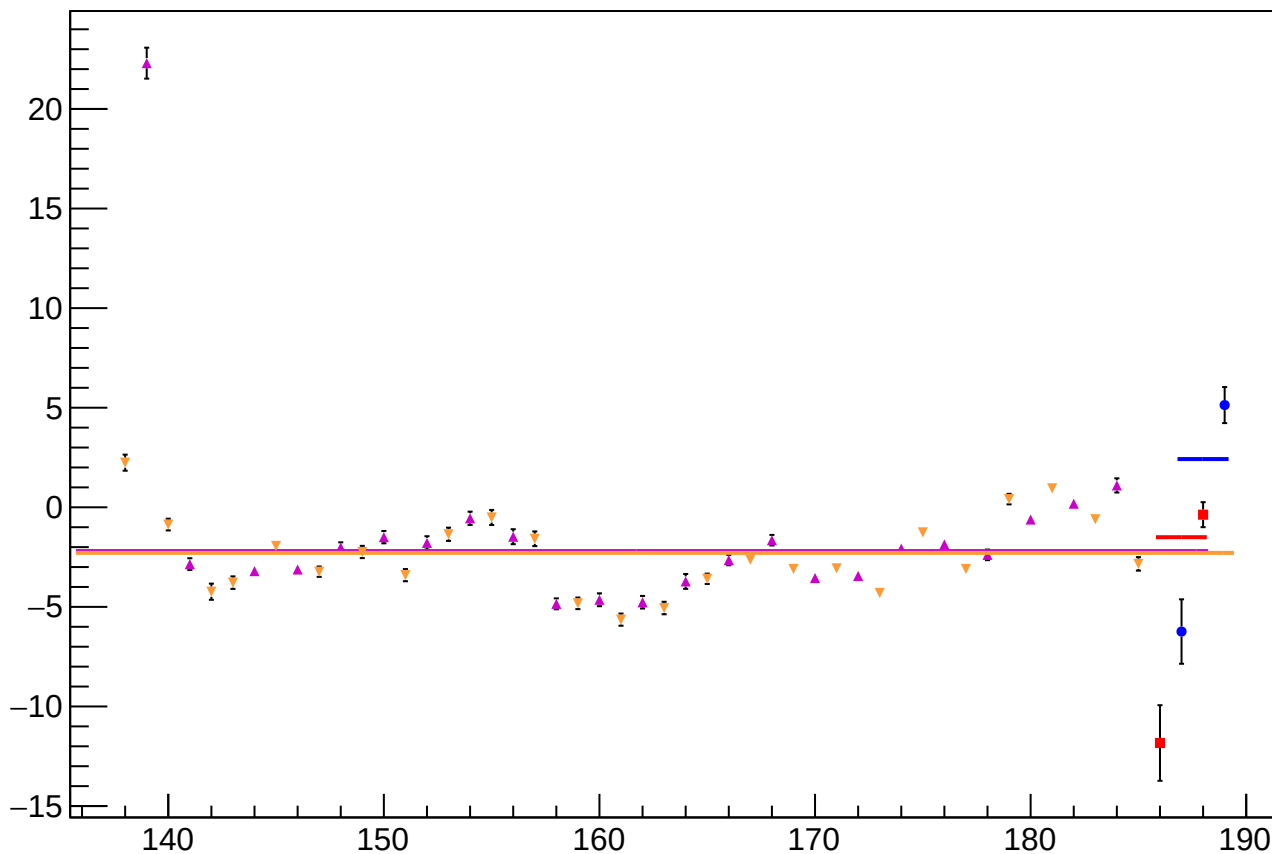
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.092 ± 0.633 $\chi^2/\text{NDF}: 6.8/1$
 Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$
 Right Out: -2.662 ± 0.421 $\chi^2/\text{NDF}: 30.8/1$
 Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

Left: -0.171 ± 0.047 $\chi^2/\text{NDF}: 4896.5/47$
 Right: -1.511 ± 0.351 $\chi^2/\text{NDF}: 61.9/3$
 In: -0.294 ± 0.067 $\chi^2/\text{NDF}: 2262.1/24$
 Out: -0.100 ± 0.065 $\chi^2/\text{NDF}: 2706.3/26$
 All: -0.195 ± 0.047 $\chi^2/\text{NDF}: 4972.8/51$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.422 ± 0.790 $\chi^2/\text{NDF}: 37.6/1$

Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$

Right Out: -1.501 ± 0.596 $\chi^2/\text{NDF}: 32.9/1$

Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

Left: -2.244 ± 0.039 $\chi^2/\text{NDF}: 2813.0/47$

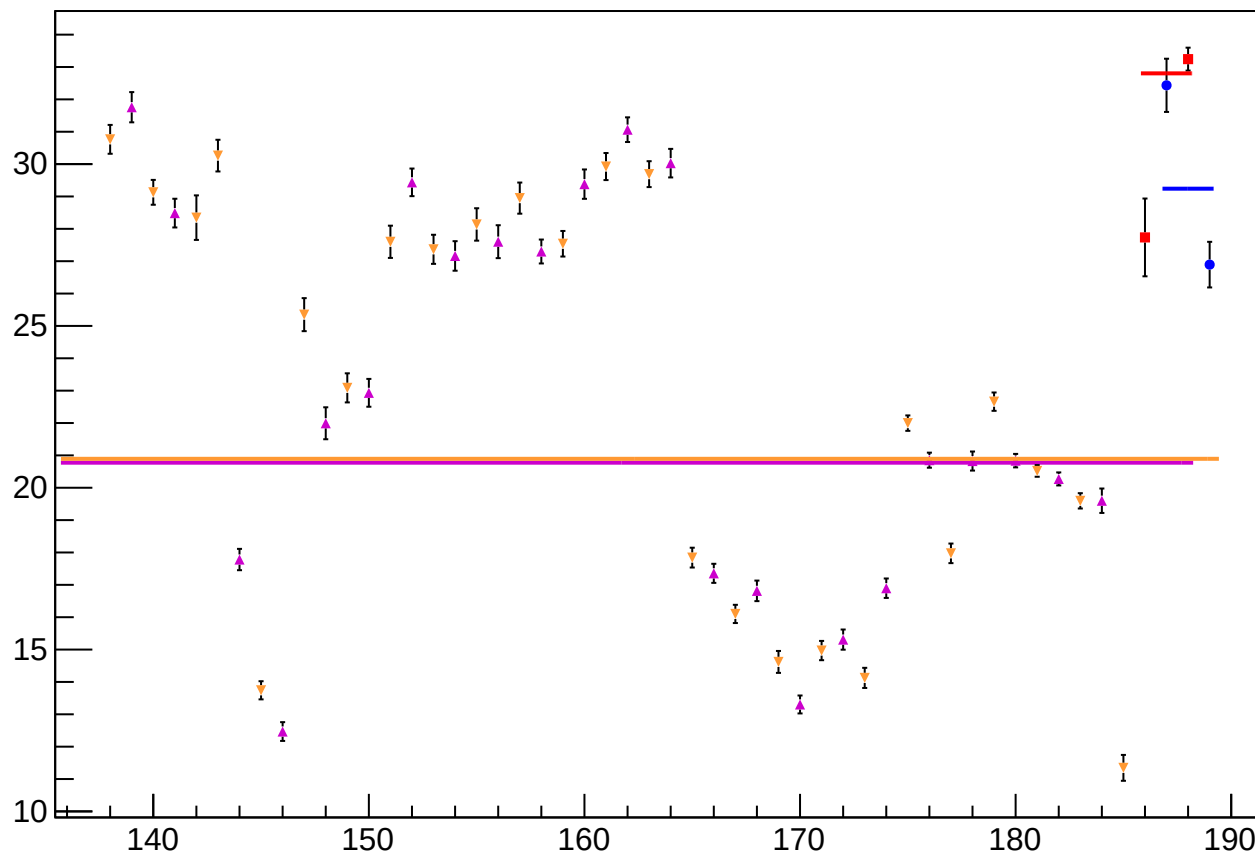
Right: -0.078 ± 0.476 $\chi^2/\text{NDF}: 86.2/3$

In: -2.175 ± 0.055 $\chi^2/\text{NDF}: 1745.5/24$

Out: -2.282 ± 0.054 $\chi^2/\text{NDF}: 1172.3/26$

All: -2.230 ± 0.038 $\chi^2/\text{NDF}: 2919.8/51$

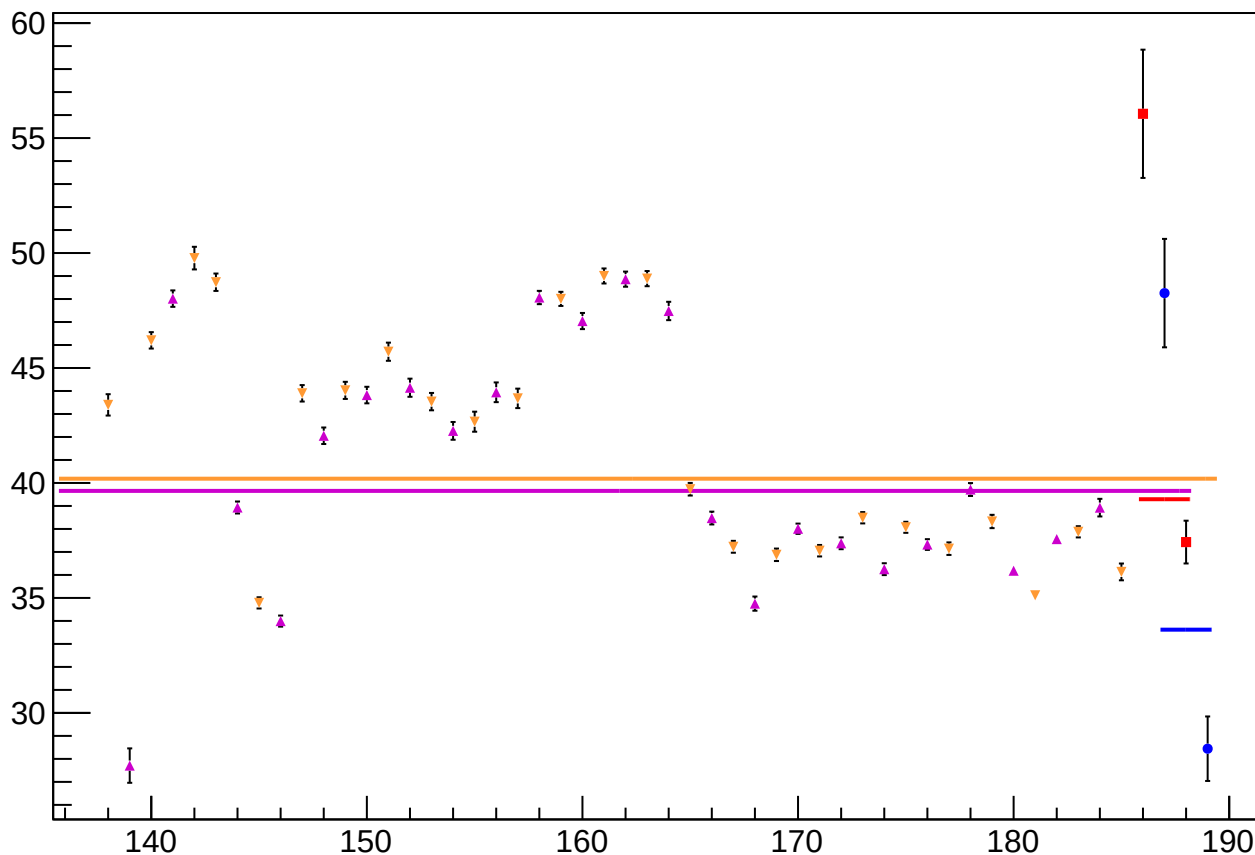
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.240 ± 0.535 $\chi^2/\text{NDF}: 26.2/1$
 Left Out: 20.894 ± 0.067 $\chi^2/\text{NDF}: 6655.4/24$
 Right Out: 32.804 ± 0.340 $\chi^2/\text{NDF}: 19.3/1$
 Left In: 20.774 ± 0.068 $\chi^2/\text{NDF}: 5927.9/22$

Left: 20.835 ± 0.047 $\chi^2/\text{NDF}: 12584.8/47$
 Right: 31.781 ± 0.287 $\chi^2/\text{NDF}: 77.1/3$
 In: 20.907 ± 0.067 $\chi^2/\text{NDF}: 6200.5/24$
 Out: 21.337 ± 0.065 $\chi^2/\text{NDF}: 7859.4/26$
 All: 21.127 ± 0.047 $\chi^2/\text{NDF}: 14080.9/51$

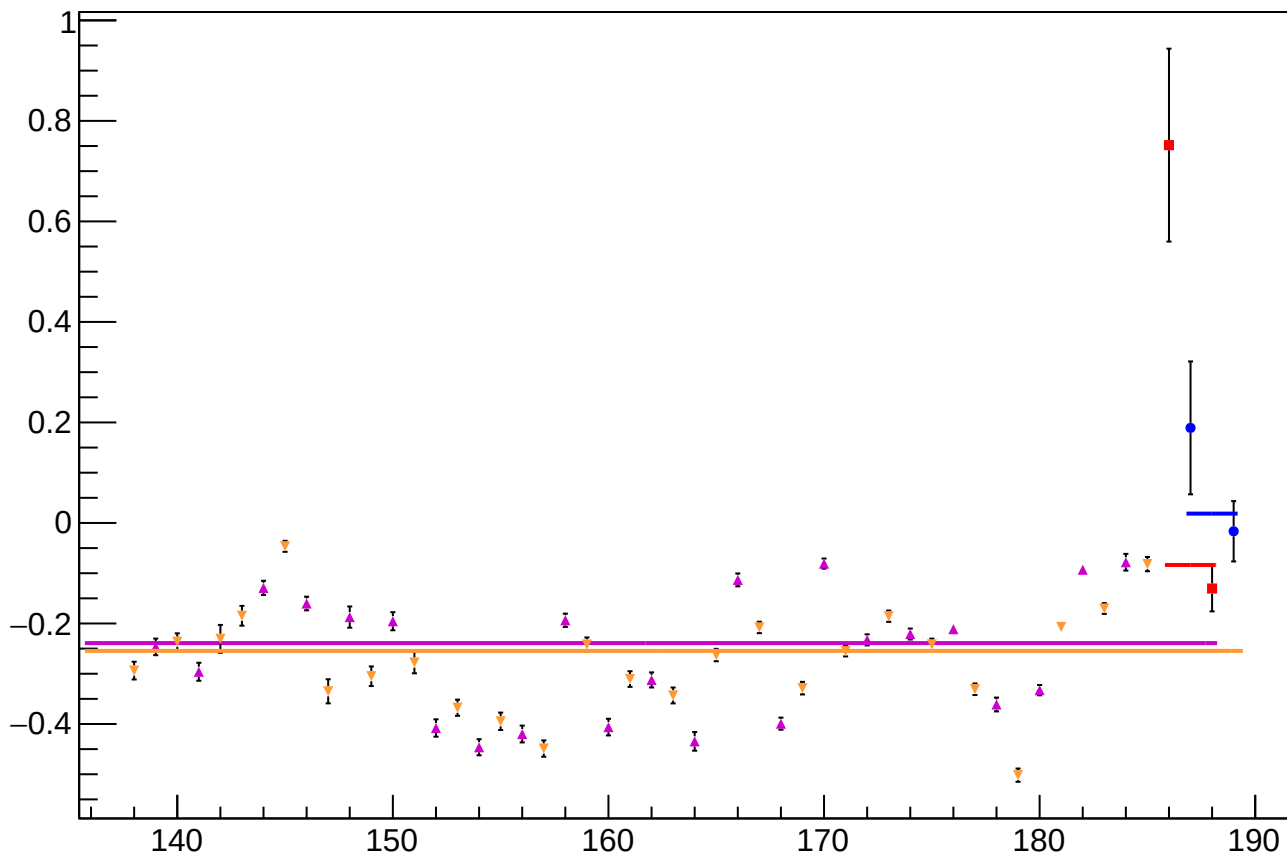
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 39.925 $\pm$ 0.043 χ^2 /NDF: 11269.2/47
 Right: 37.314 $\pm$ 0.712 χ^2 /NDF: 106.7/3
 In: 39.639 $\pm$ 0.061 χ^2 /NDF:5375.7/24
 Out: 40.182 $\pm$ 0.060 χ^2 /NDF:5973.8/26
 All: 39.916 $\pm$ 0.043 χ^2 /NDF: 11389.3/51

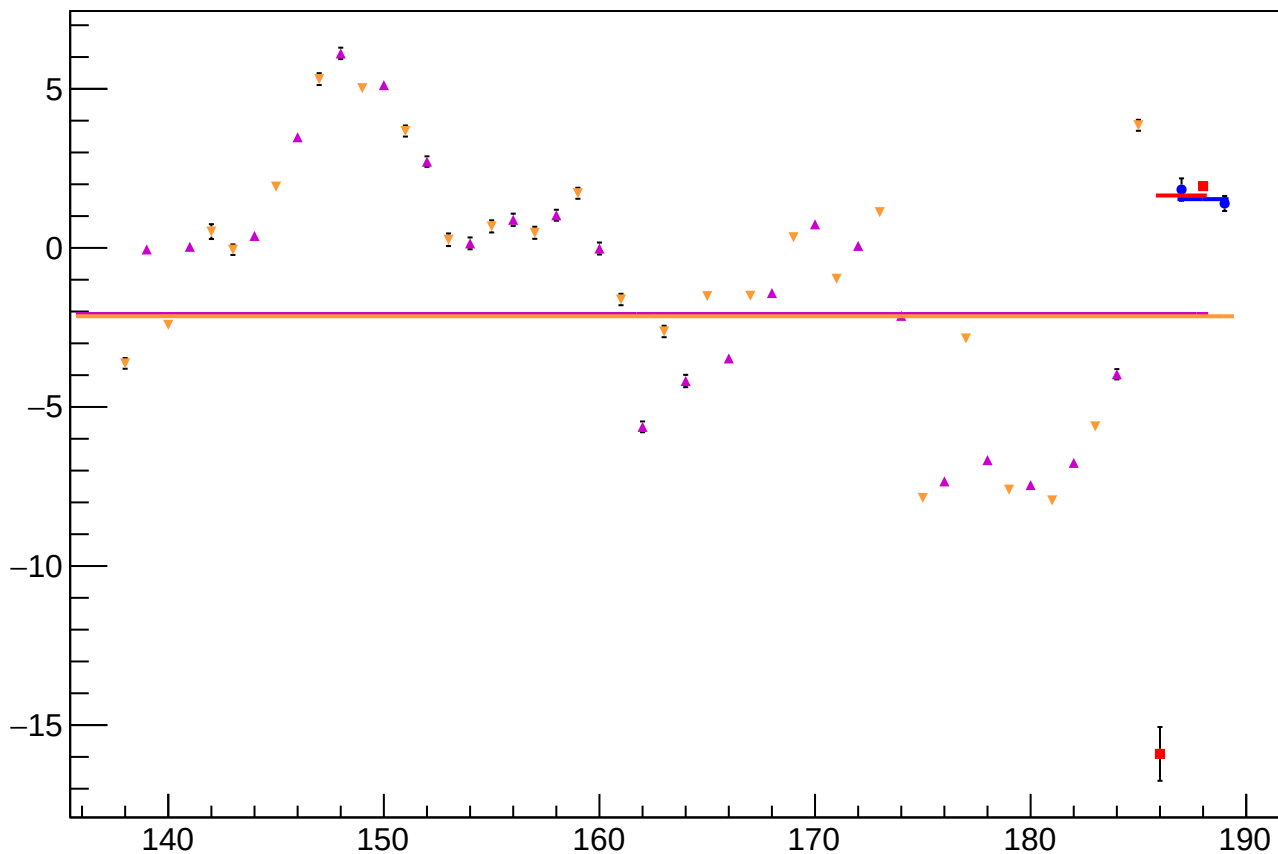
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 1750.5/22$

Left: -0.247 ± 0.002 $\chi^2/\text{NDF}: 3186.7/47$
 Right: -0.043 ± 0.034 $\chi^2/\text{NDF}: 24.1/3$
 In: -0.238 ± 0.003 $\chi^2/\text{NDF}: 1774.6/24$
 Out: -0.254 ± 0.003 $\chi^2/\text{NDF}: 1455.3/26$
 All: -0.246 ± 0.002 $\chi^2/\text{NDF}: 3245.9/51$

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.533+/-0.197 χ^2/NDF : 1.1/1
 Left Out: -2.149+/-0.026 χ^2/NDF : 24536.3/24
 Right Out: 1.648+/-0.109 χ^2/NDF : 438.4/1
 Left In: -2.078+/-0.026 χ^2/NDF : 23245.8/22

Left: -2.114+/-0.018 χ^2/NDF : 47785.8/47

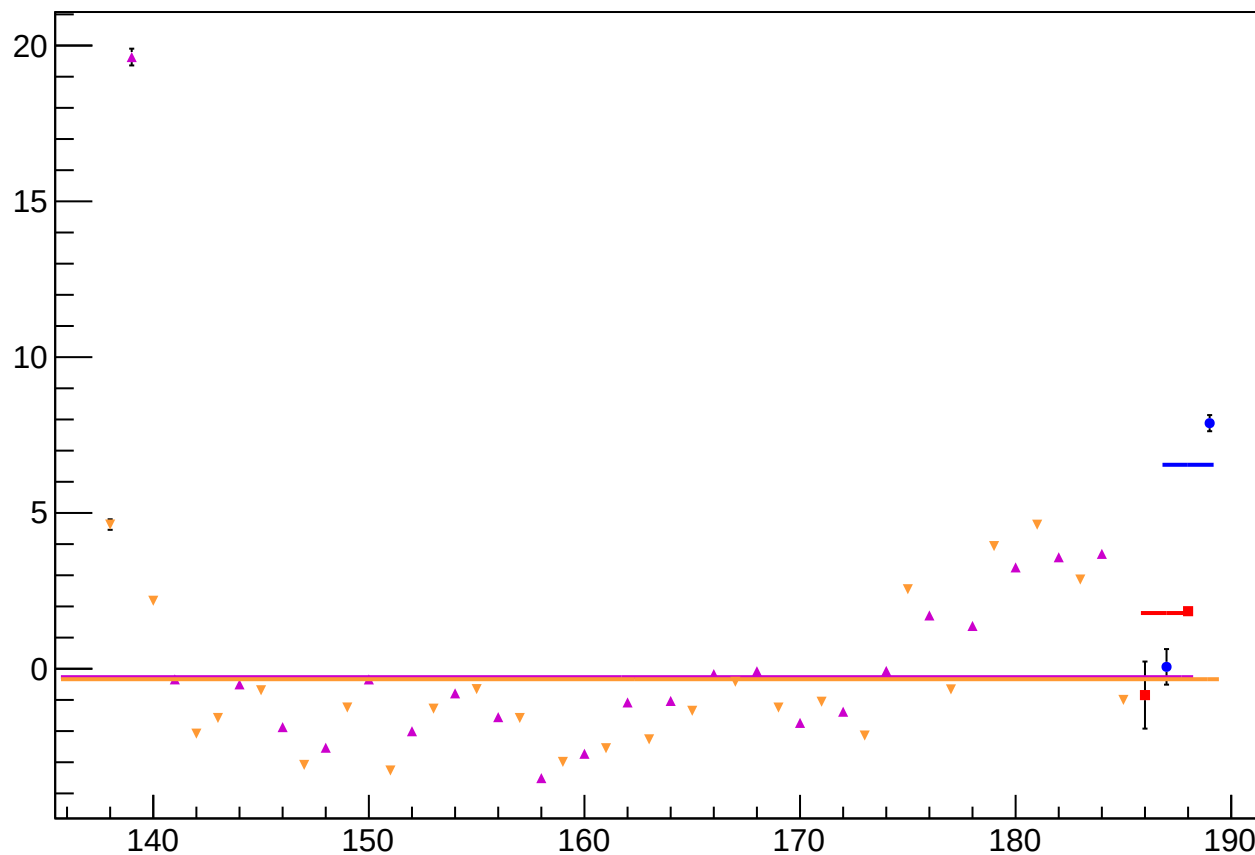
Right: 1.621+/-0.095 χ^2/NDF : 439.7/3

In: -2.016+/-0.026 χ^2/NDF : 23578.4/24

Out: -1.949+/-0.025 χ^2/NDF : 26129.1/26

All: -1.981+/-0.018 χ^2/NDF : 49711.0/51

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



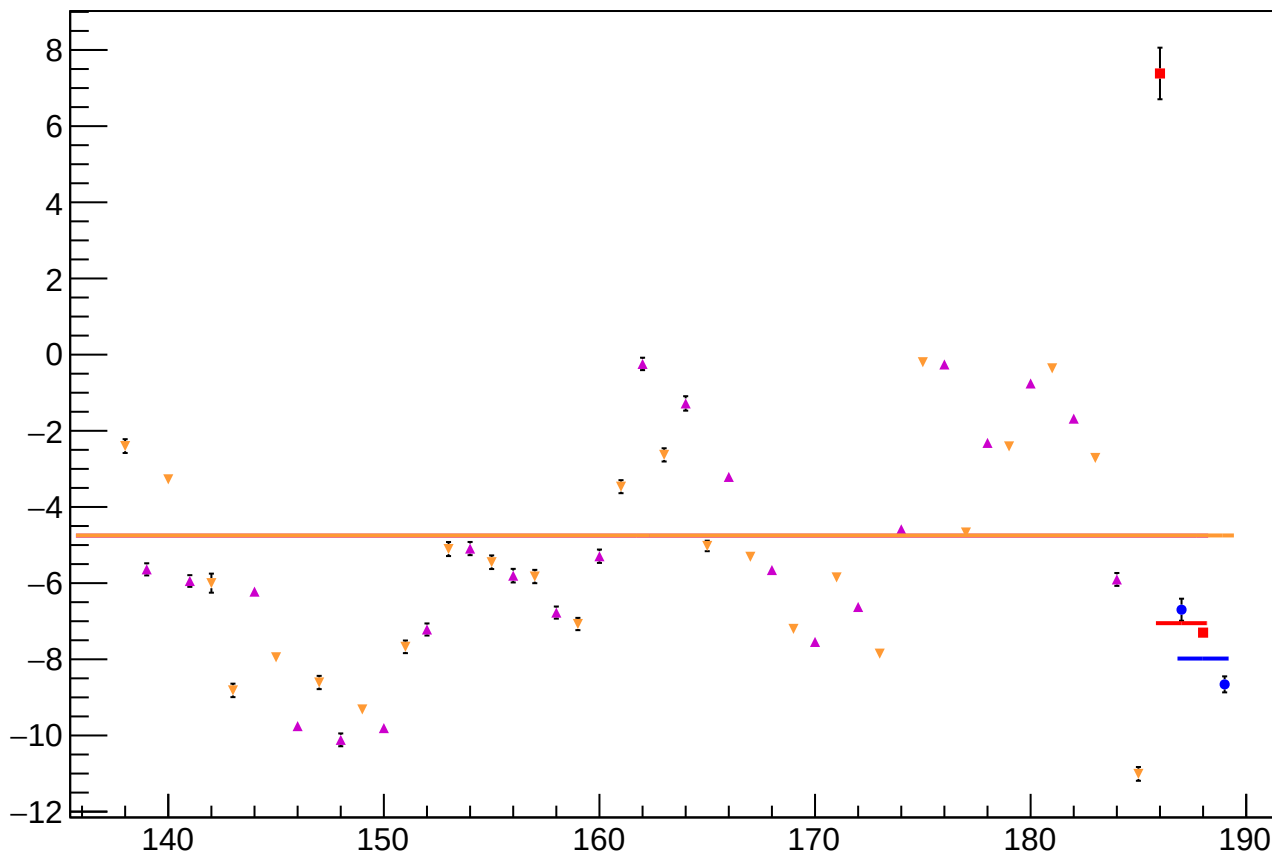
Right In: 6.546 ± 0.236 $\chi^2/\text{NDF}: 155.6/1$
 Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$
 Right Out: 1.789 ± 0.160 $\chi^2/\text{NDF}: 6.1/1$
 Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

Left: -0.303 ± 0.015 $\chi^2/\text{NDF}: 25924.2/47$
 Right: 3.282 ± 0.132 $\chi^2/\text{NDF}: 440.7/3$

In: -0.216 ± 0.021 $\chi^2/\text{NDF}: 14306.7/24$
 Out: -0.301 ± 0.020 $\chi^2/\text{NDF}: 12776.4/26$

All: -0.259 ± 0.015 $\chi^2/\text{NDF}: 27091.4/51$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



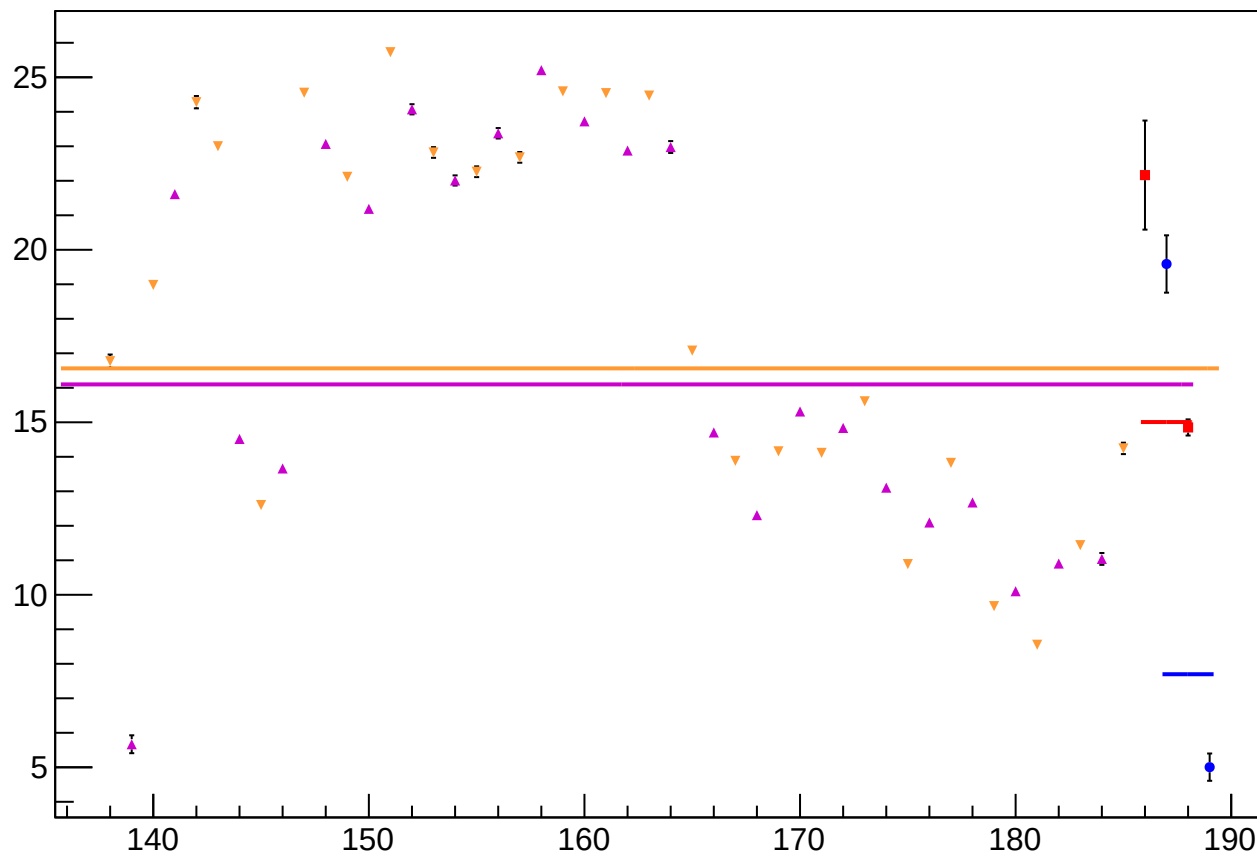
Right In: -7.980 ± 0.170 χ^2/NDF : 30.0/1
 Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24
 Right Out: -7.051 ± 0.088 χ^2/NDF : 462.0/1
 Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

Left: -4.751 ± 0.018 χ^2/NDF : 27409.0/47
 Right: -7.248 ± 0.078 χ^2/NDF : 515.6/3

In: -4.828 ± 0.026 χ^2/NDF : 14501.0/24
 Out: -4.930 ± 0.025 χ^2/NDF : 14380.5/26

All: -4.881 ± 0.018 χ^2/NDF : 28889.6/51

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 7.698 $\pm$ 0.357 χ^2/NDF : 251.0/1

Left Out: 16.563 $\pm$ 0.023 χ^2/NDF :53858.5/24

Right Out: 15.007 $\pm$ 0.231 χ^2/NDF : 21.0/1

Left In: 16.098 $\pm$ 0.024 χ^2/NDF :42345.7/22

Left: 16.335 $\pm$ 0.017 χ^2/NDF : 96401.9/47

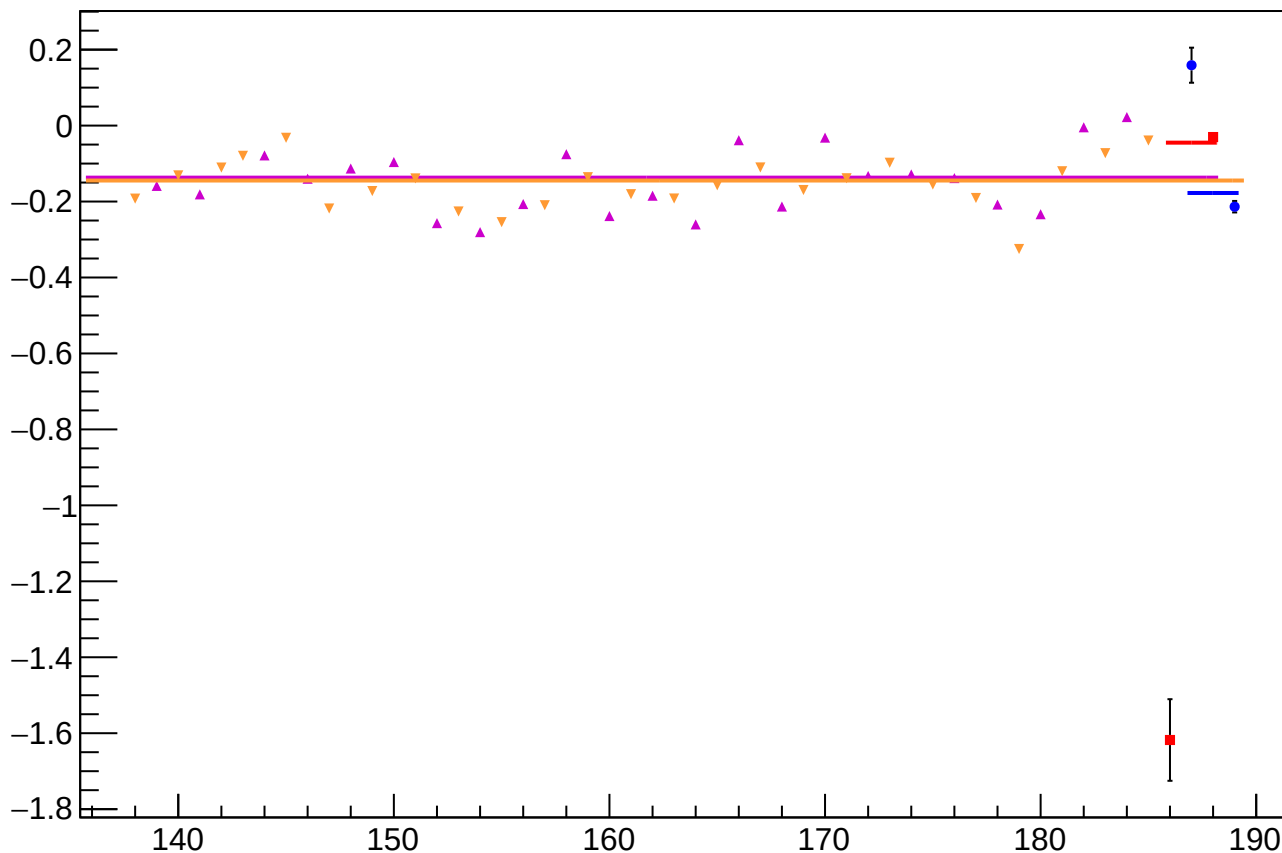
Right: 12.846 $\pm$ 0.194 χ^2/NDF : 567.0/3

In: 16.062 $\pm$ 0.024 χ^2/NDF :43147.4/24

Out: 16.547 $\pm$ 0.023 χ^2/NDF :53924.2/26

All: 16.310 $\pm$ 0.016 χ^2/NDF : 97289.1/51

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.014 $\chi^2/\text{NDF}: 58.8/1$

Left Out: -0.145 ± 0.001 $\chi^2/\text{NDF}: 3769.7/24$

Right Out: -0.045 ± 0.010 $\chi^2/\text{NDF}: 216.3/1$

Left In: -0.137 ± 0.001 $\chi^2/\text{NDF}: 5392.6/22$

Left: -0.141 ± 0.001 $\chi^2/\text{NDF}: 9187.6/47$

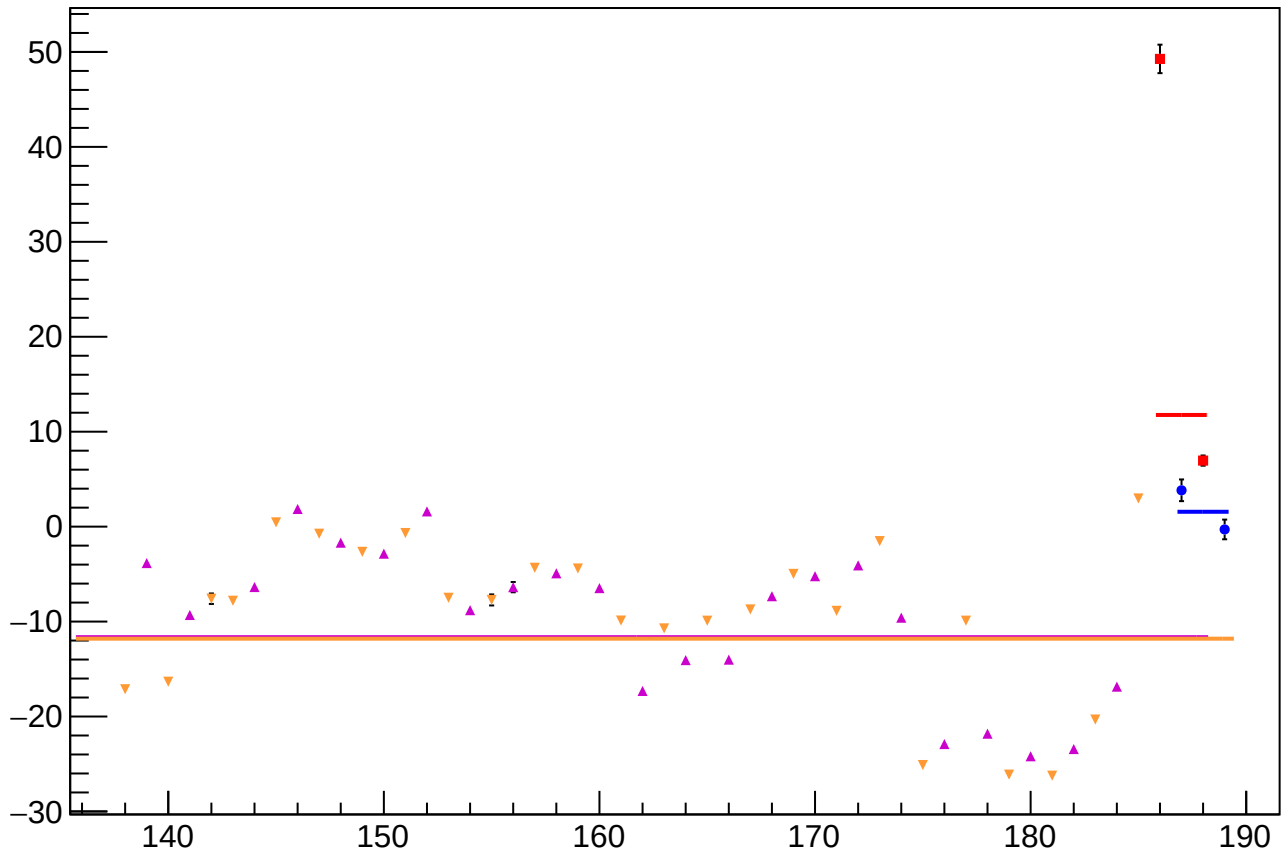
Right: -0.090 ± 0.008 $\chi^2/\text{NDF}: 331.0/3$

In: -0.137 ± 0.001 $\chi^2/\text{NDF}: 5459.2/24$

Out: -0.144 ± 0.001 $\chi^2/\text{NDF}: 4077.5/26$

All: -0.141 ± 0.001 $\chi^2/\text{NDF}: 9554.6/51$

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.566+/-0.768 χ^2/NDF : 7.1/1

Left Out: -11.801+/-0.070 χ^2/NDF : 17308.2/24

Right Out: 11.763+/-0.505 χ^2/NDF : 705.5/1

Left In: -11.642+/-0.072 χ^2/NDF : 14121.2/22

Left: -11.723+/-0.050 χ^2/NDF : 31432.0/47

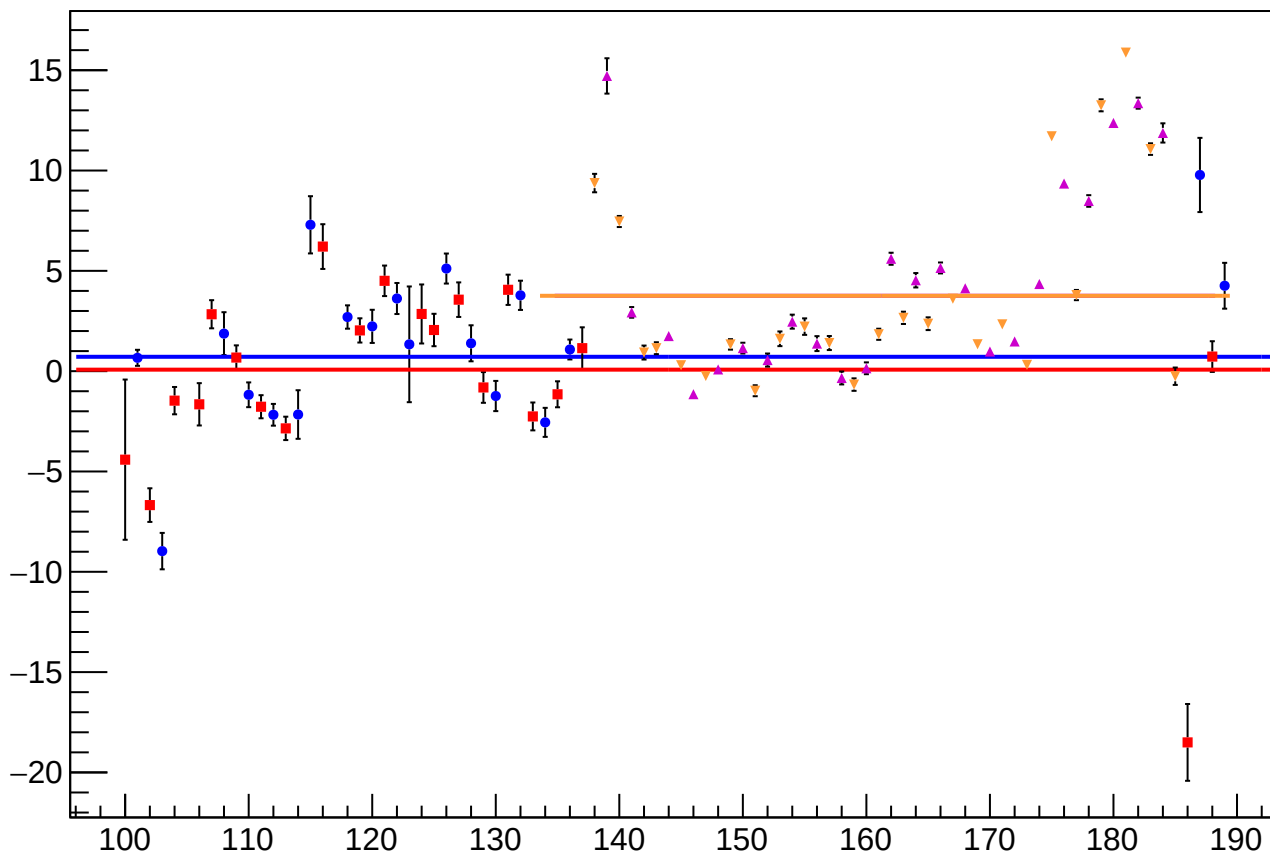
Right: 8.680+/-0.422 χ^2/NDF : 835.6/3

In: -11.528+/-0.071 χ^2/NDF : 14421.7/24

Out: -11.354+/-0.070 χ^2/NDF : 20145.7/26

All: -11.439+/-0.050 χ^2/NDF : 34570.5/51

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.717 ± 0.168 $\chi^2/\text{NDF}: 323.1/18$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 0.075 ± 0.170 $\chi^2/\text{NDF}: 366.6/20$

Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

Left: 3.757 ± 0.040 $\chi^2/\text{NDF}: 13080.0/47$

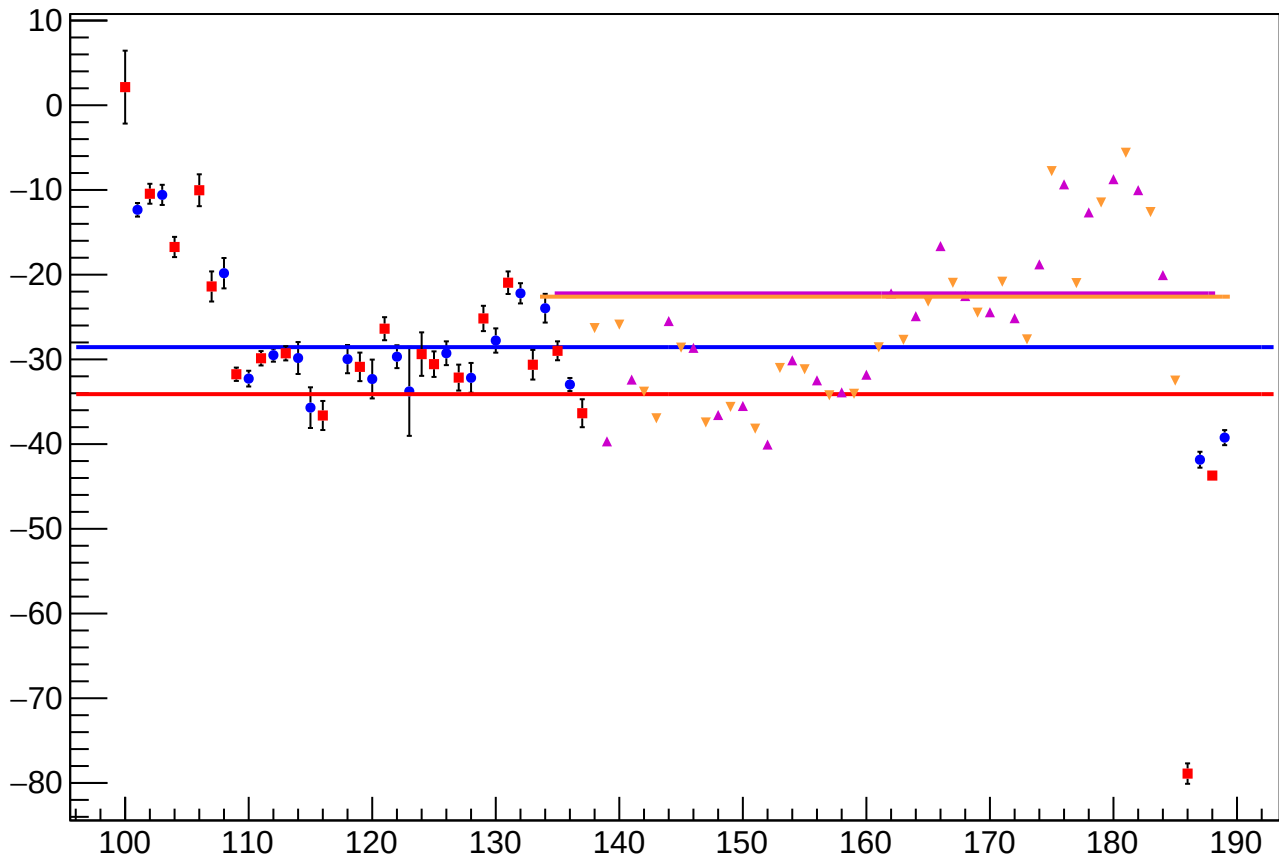
Right: 0.400 ± 0.119 $\chi^2/\text{NDF}: 696.9/39$

In: 3.447 ± 0.054 $\chi^2/\text{NDF}: 6247.0/41$

Out: 3.401 ± 0.053 $\chi^2/\text{NDF}: 8242.0/45$

All: 3.423 ± 0.038 $\chi^2/\text{NDF}: 14489.4/87$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -28.554 ± 0.273 $\chi^2/\text{NDF}: 1109.2/18$

Left Out: -22.598 ± 0.071 $\chi^2/\text{NDF}: 19933.4/24$

Right Out: -34.103 ± 0.241 $\chi^2/\text{NDF}: 3051.1/20$

Left In: -22.209 ± 0.072 $\chi^2/\text{NDF}: 17627.4/22$

Left: -22.406 ± 0.050 $\chi^2/\text{NDF}: 37575.6/47$

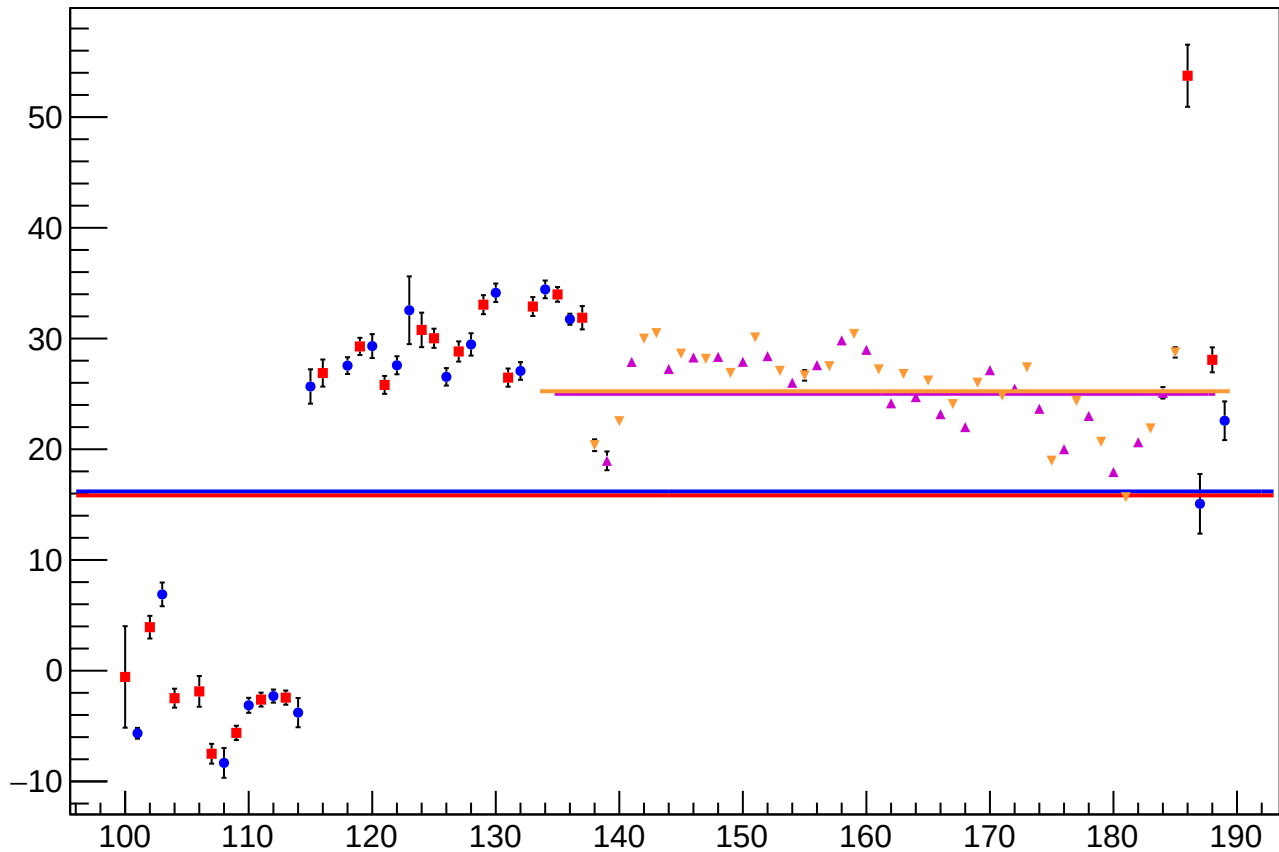
Right: -31.674 ± 0.180 $\chi^2/\text{NDF}: 4393.0/39$

In: -22.618 ± 0.069 $\chi^2/\text{NDF}: 19242.7/41$

Out: -23.512 ± 0.068 $\chi^2/\text{NDF}: 25088.6/45$

All: -23.074 ± 0.048 $\chi^2/\text{NDF}: 44416.3/87$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 25.128 $\pm$ 0.045 χ^2 /NDF: 6515.2/47

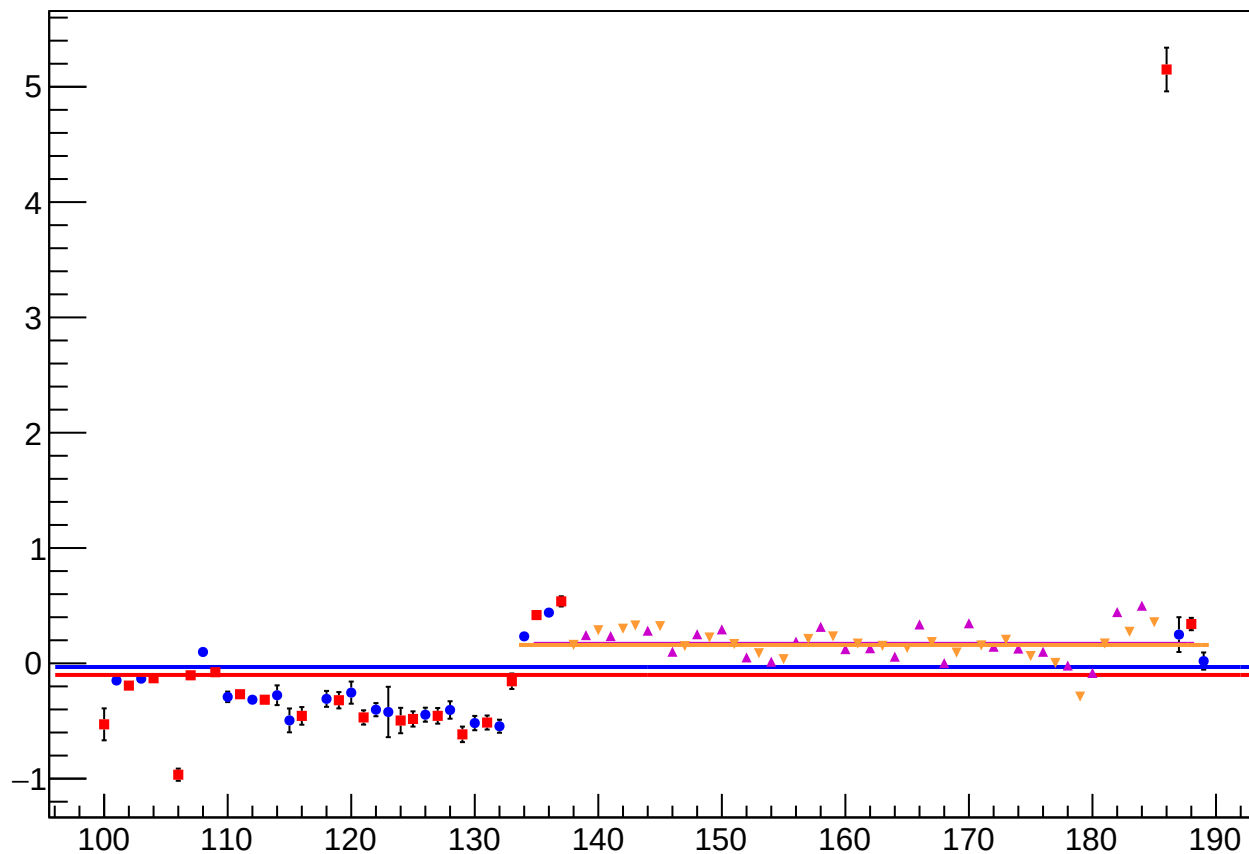
Right: 16.012 $\pm$ 0.136 χ^2 /NDF: 15128.0/39

In: 24.120 $\pm$ 0.061 χ^2 /NDF:12201.1/41

Out: 24.353 $\pm$ 0.060 χ^2 /NDF:13488.8/45

All: 24.239 $\pm$ 0.042 χ^2 /NDF: 25697.4/87

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.032 ± 0.010 χ^2/NDF : 1015.4/18

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.101 ± 0.010 χ^2/NDF : 2006.6/20

Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

Left: 0.164 ± 0.002 χ^2/NDF : 4288.4/47

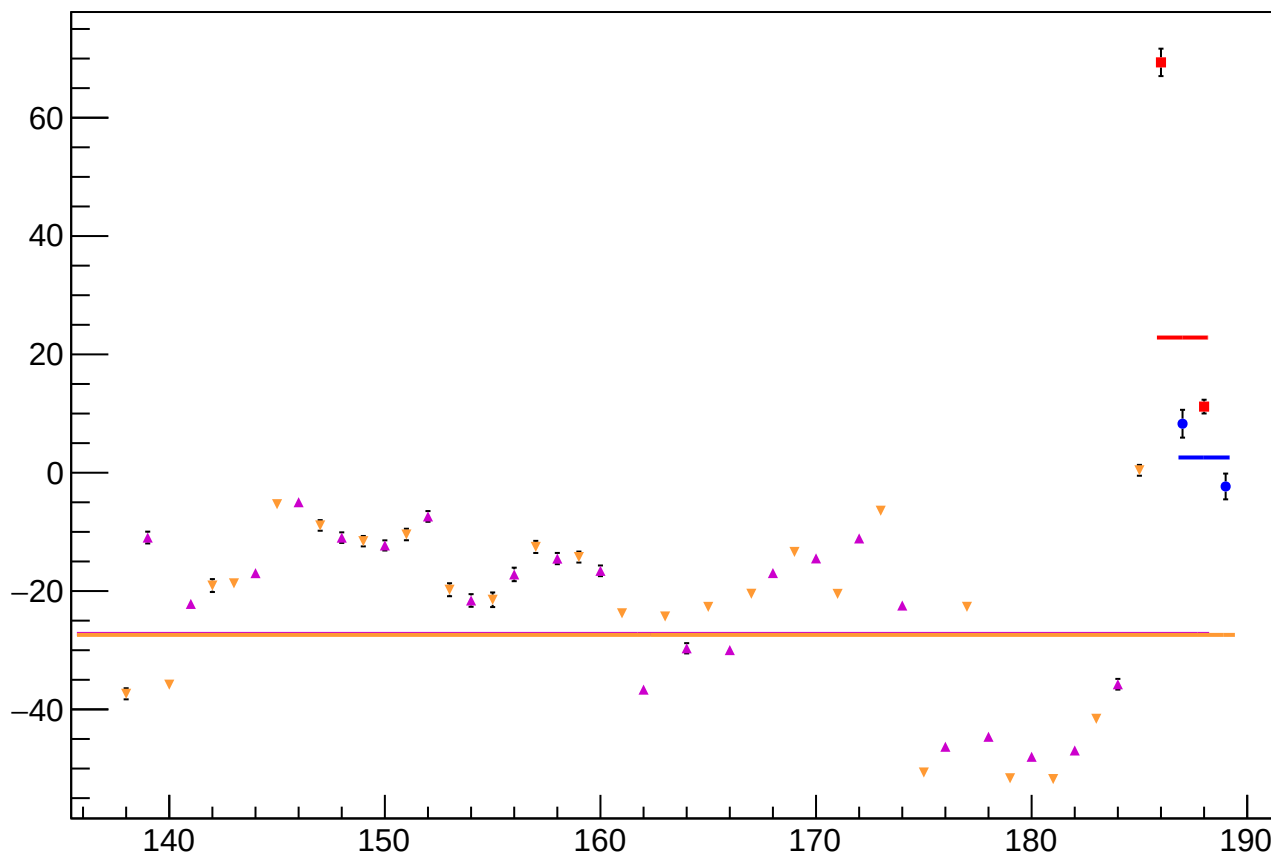
Right: -0.066 ± 0.007 χ^2/NDF : 3044.8/39

In: 0.154 ± 0.003 χ^2/NDF : 3791.4/41

Out: 0.140 ± 0.003 χ^2/NDF : 4475.8/45

All: 0.147 ± 0.002 χ^2/NDF : 8279.0/87

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.575+/-1.598 χ^2/NDF : 11.0/1

Left Out: -27.408+/-0.137 χ^2/NDF :14850.5/24

Right Out: 22.847+/-1.038 χ^2/NDF : 503.8/1

Left In: -27.243+/-0.139 χ^2/NDF :11305.2/22

Left: -27.327+/-0.098 χ^2/NDF : 26156.4/47

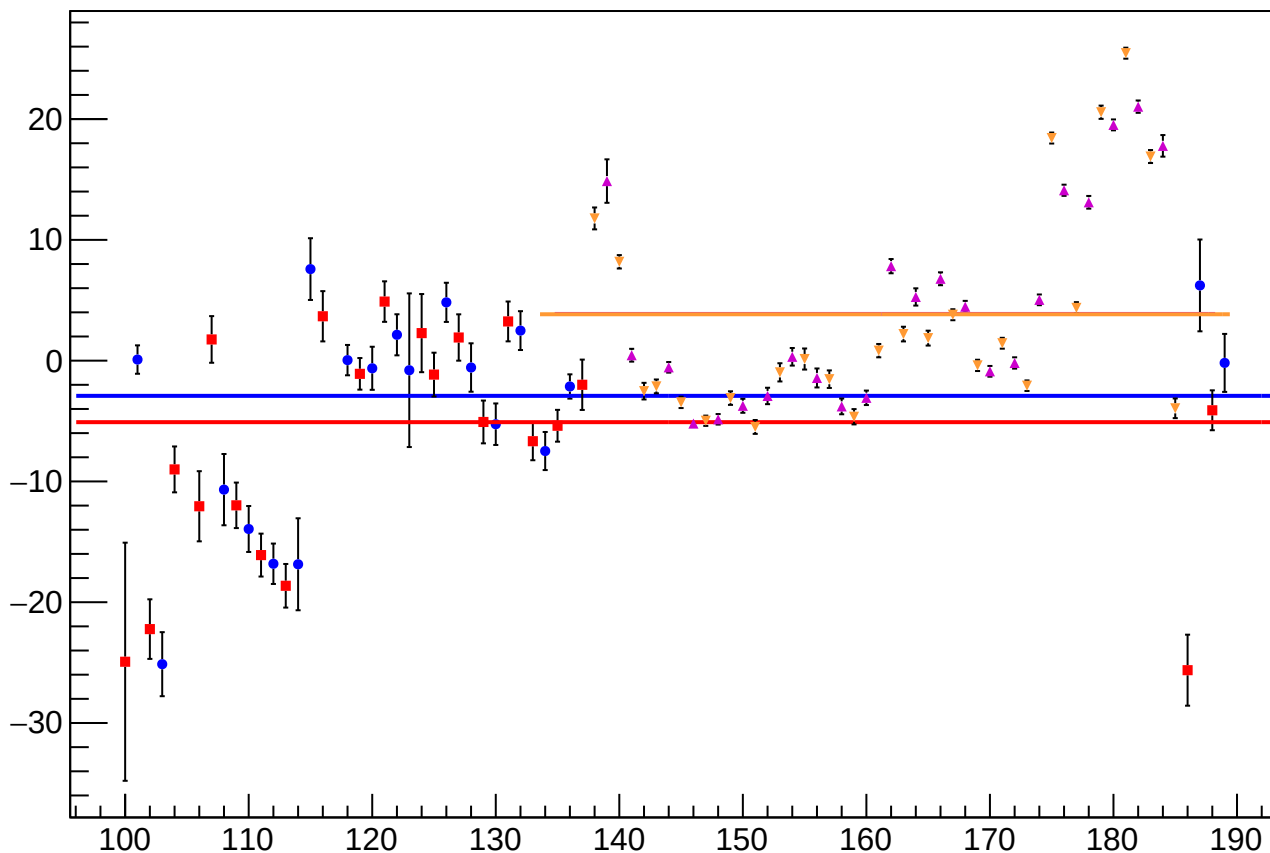
Right: 16.830+/-0.870 χ^2/NDF : 627.9/3

In: -27.018+/-0.139 χ^2/NDF :11661.9/24

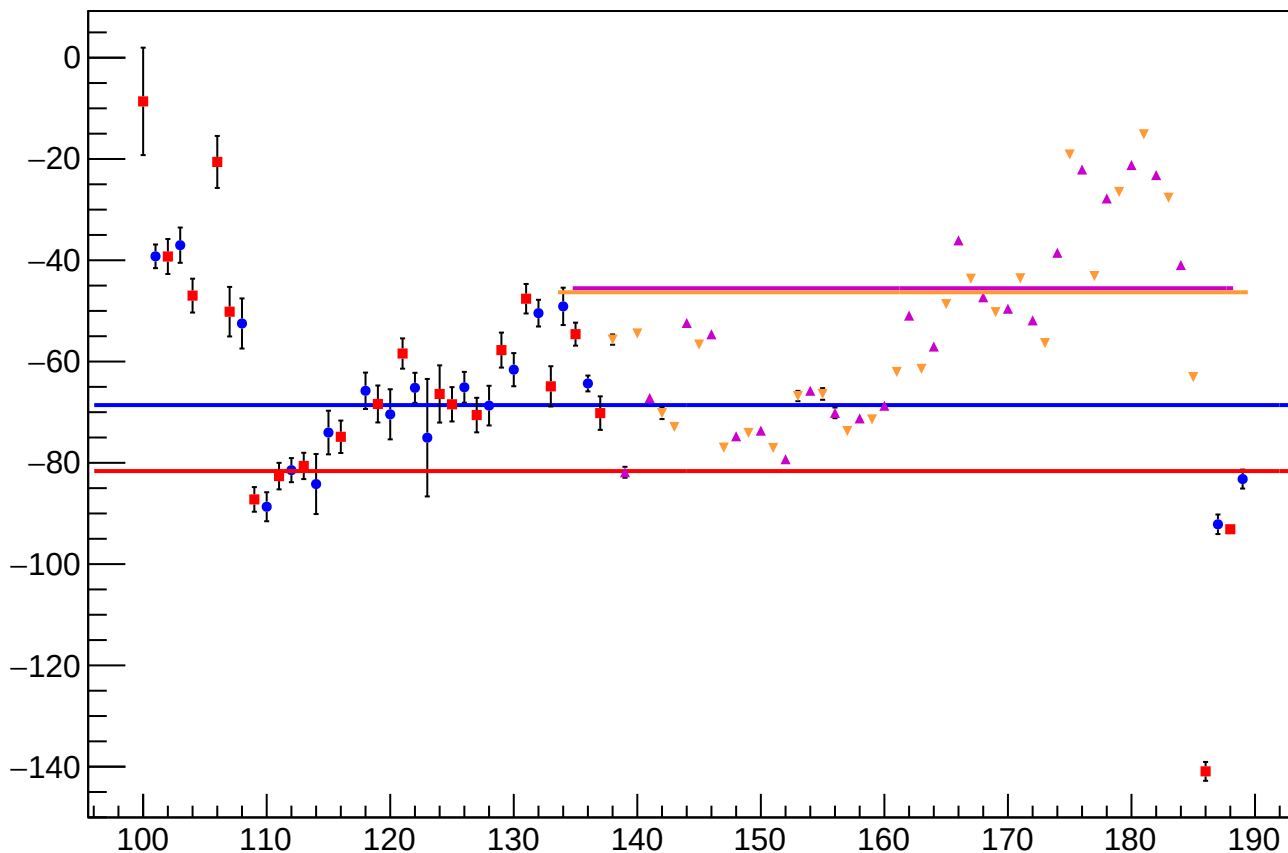
Out: -26.549+/-0.136 χ^2/NDF :17658.1/26

All: -26.778+/-0.097 χ^2/NDF : 29325.8/51

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.598 ± 0.649 χ^2/NDF : 637.6/18
 Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24
 Right Out: -81.629 ± 0.560 χ^2/NDF : 2124.1/20
 Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

Left: -45.925 ± 0.098 χ^2/NDF : 37676.5/47

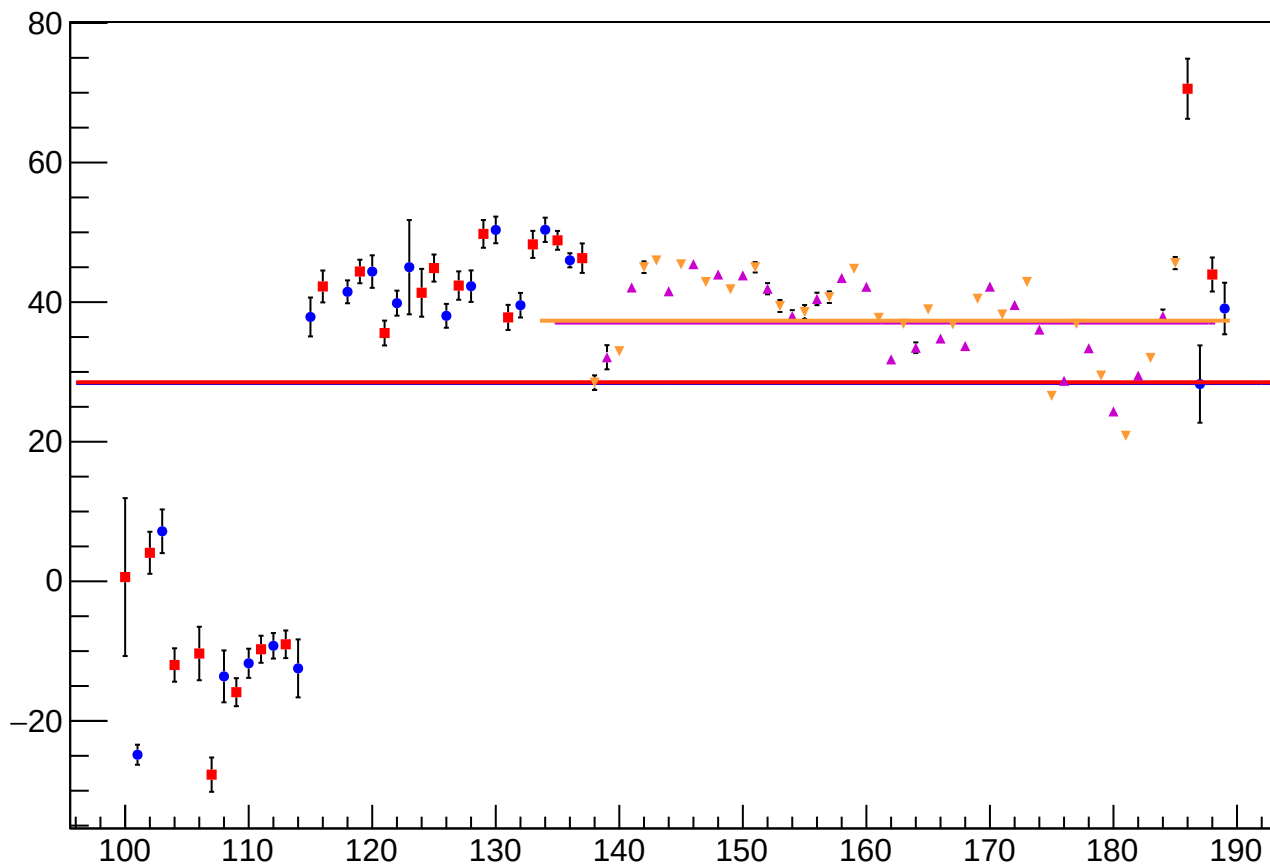
Right: -76.074 ± 0.424 χ^2/NDF : 2992.8/39

In: -46.543 ± 0.137 χ^2/NDF : 19369.6/41

Out: -48.339 ± 0.134 χ^2/NDF : 26009.8/45

All: -47.459 ± 0.096 χ^2/NDF : 45467.6/87

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.412 ± 0.456 χ^2/NDF : 3319.3/18

Left Out: 37.340 ± 0.123 χ^2/NDF : 3149.1/24

Right Out: 28.519 ± 0.468 χ^2/NDF : 3172.4/20

Left In: 37.074 ± 0.125 χ^2/NDF : 2397.3/22

Left: 37.209 ± 0.088 χ^2/NDF : 5548.7/47

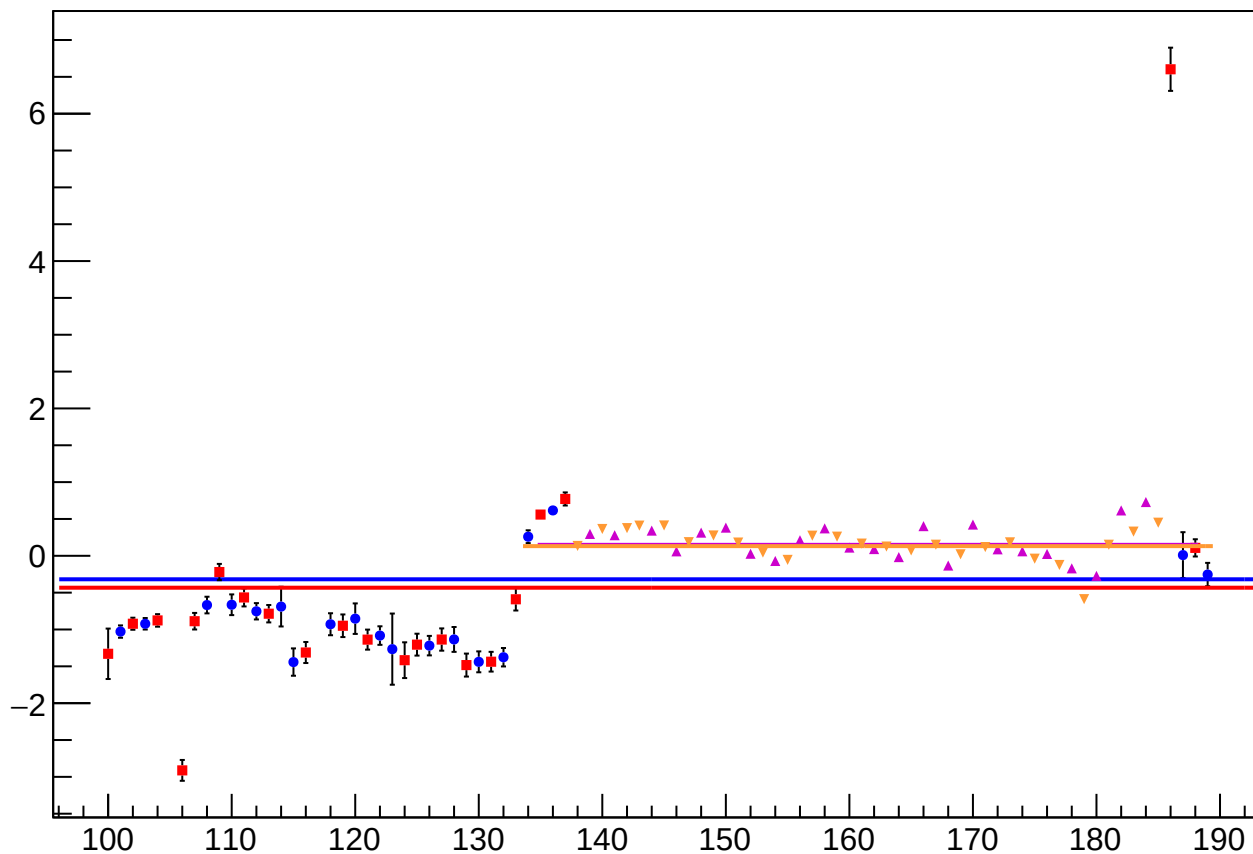
Right: 28.464 ± 0.326 χ^2/NDF : 6491.7/39

In: 36.466 ± 0.121 χ^2/NDF : 6052.5/41

Out: 36.771 ± 0.119 χ^2/NDF : 6654.1/45

All: 36.621 ± 0.085 χ^2/NDF : 12709.8/87

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.319 ± 0.025 χ^2/NDF : 1011.4/18

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.433 ± 0.025 χ^2/NDF : 1766.1/20

Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

Left: 0.140 ± 0.004 χ^2/NDF : 3234.6/47

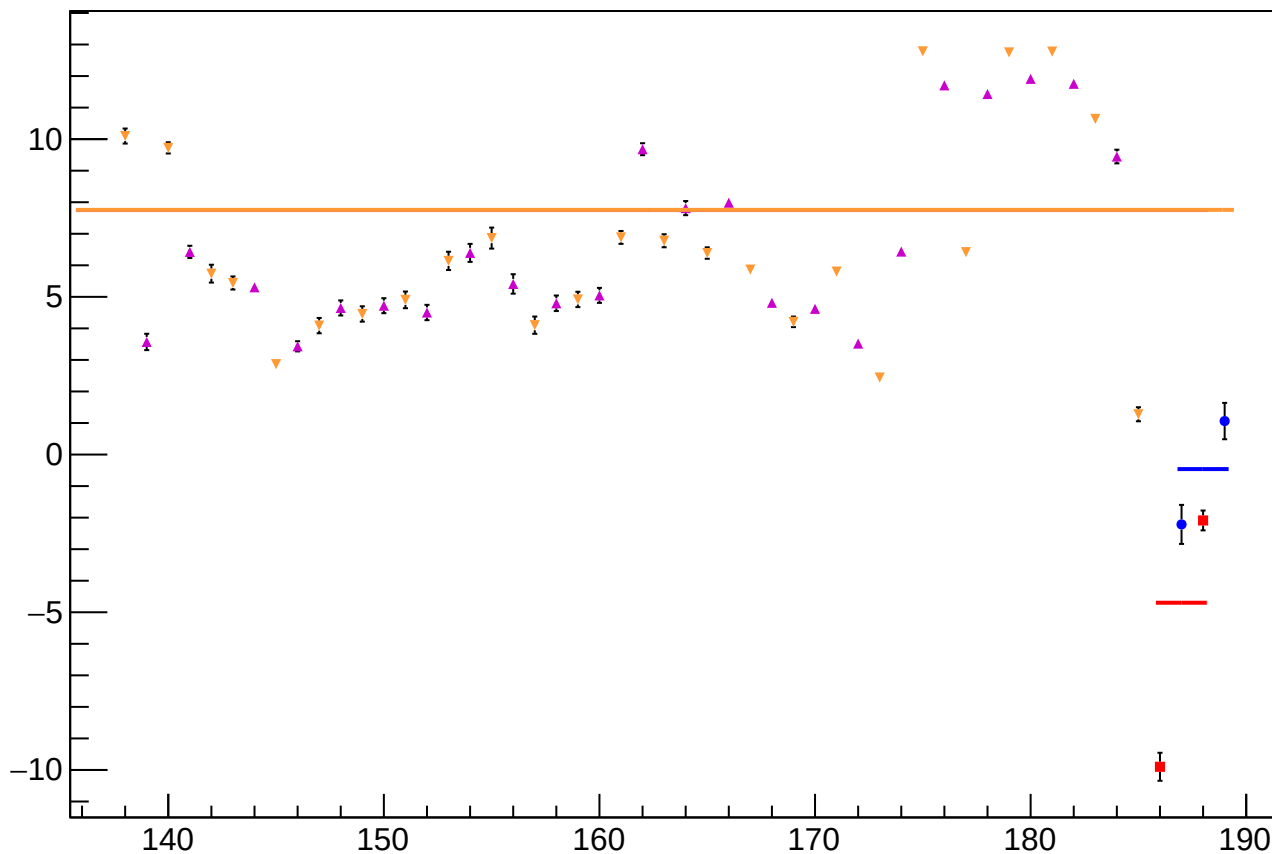
Right: -0.375 ± 0.018 χ^2/NDF : 2788.1/39

In: 0.125 ± 0.006 χ^2/NDF : 3157.6/41

Out: 0.104 ± 0.005 χ^2/NDF : 3674.0/45

All: 0.114 ± 0.004 χ^2/NDF : 6838.4/87

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.461 ± 0.422 χ^2/NDF : 15.0/1

Left Out: 7.757 ± 0.034 χ^2/NDF : 11728.6/24

Right Out: -4.698 ± 0.257 χ^2/NDF : 205.8/1

Left In: 7.753 ± 0.035 χ^2/NDF : 8345.2/22

Left: 7.755 ± 0.025 χ^2/NDF : 20073.8/47

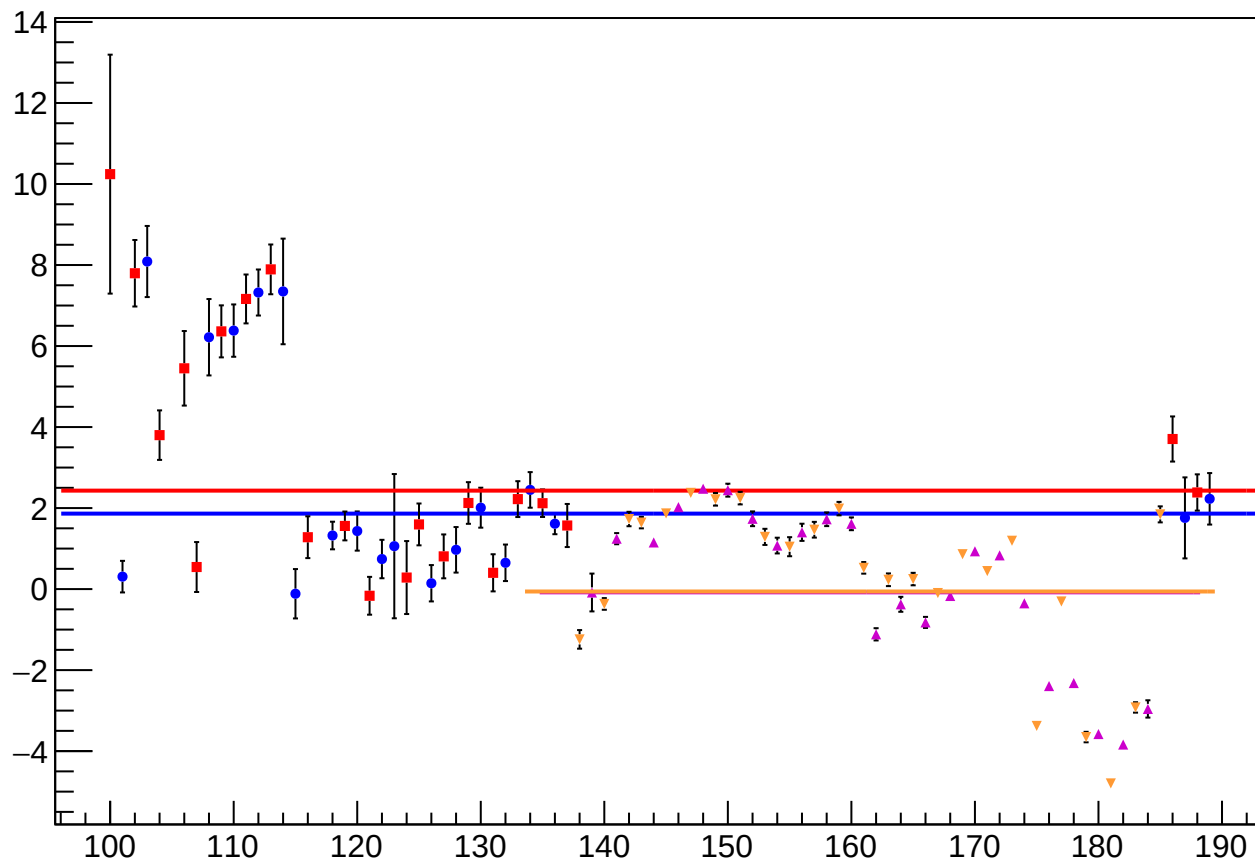
Right: -3.553 ± 0.219 χ^2/NDF : 294.4/3

In: 7.696 ± 0.035 χ^2/NDF : 8736.5/24

Out: 7.538 ± 0.034 χ^2/NDF : 14246.4/26

All: 7.615 ± 0.024 χ^2/NDF : 22993.4/51

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.863 ± 0.115 $\chi^2/\text{NDF}: 293.6/18$

Left Out: -0.059 ± 0.028 $\chi^2/\text{NDF}: 6068.8/24$

Right Out: 2.431 ± 0.116 $\chi^2/\text{NDF}: 341.0/20$

Left In: -0.080 ± 0.028 $\chi^2/\text{NDF}: 4979.5/22$

Left: -0.070 ± 0.020 $\chi^2/\text{NDF}: 11048.5/47$

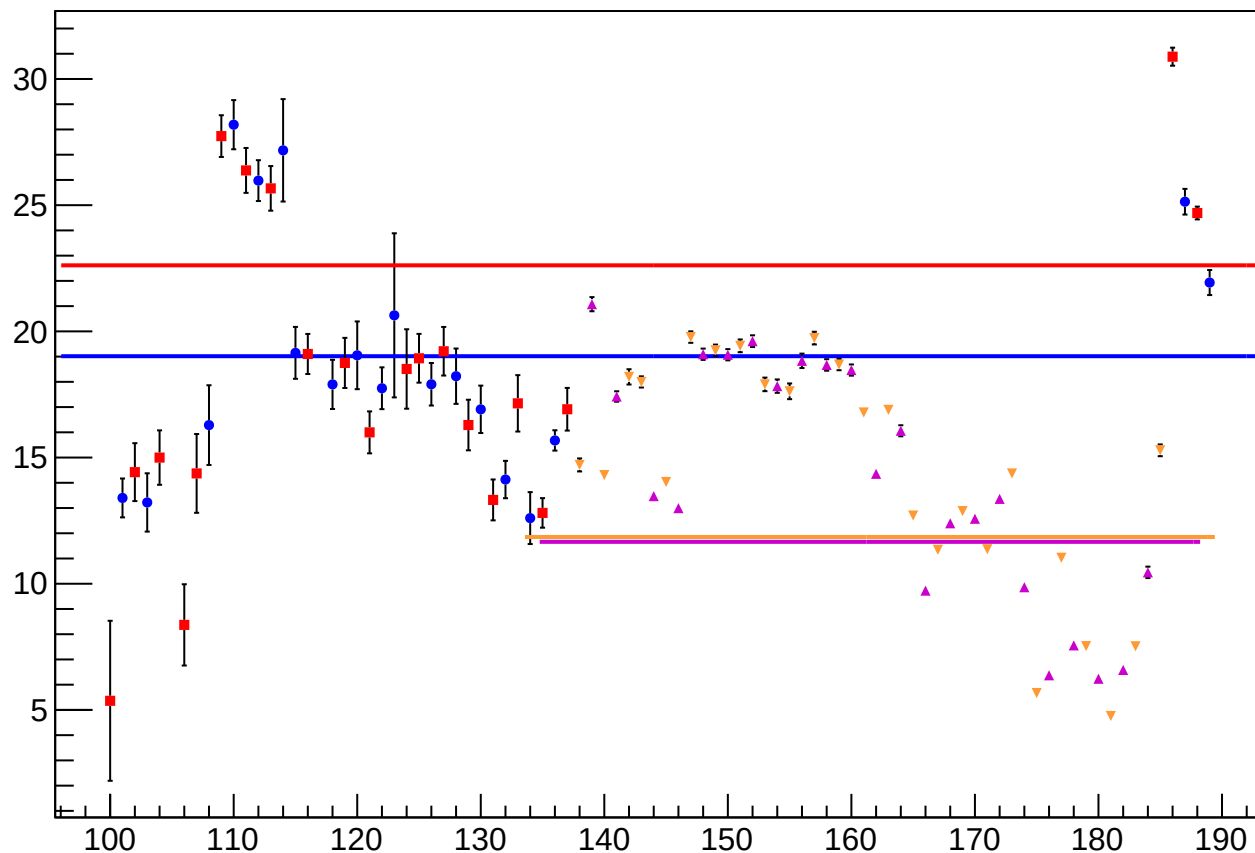
Right: 2.144 ± 0.081 $\chi^2/\text{NDF}: 646.7/39$

In: 0.031 ± 0.027 $\chi^2/\text{NDF}: 5544.2/41$

Out: 0.076 ± 0.027 $\chi^2/\text{NDF}: 6847.1/45$

All: 0.054 ± 0.019 $\chi^2/\text{NDF}: 12392.7/87$

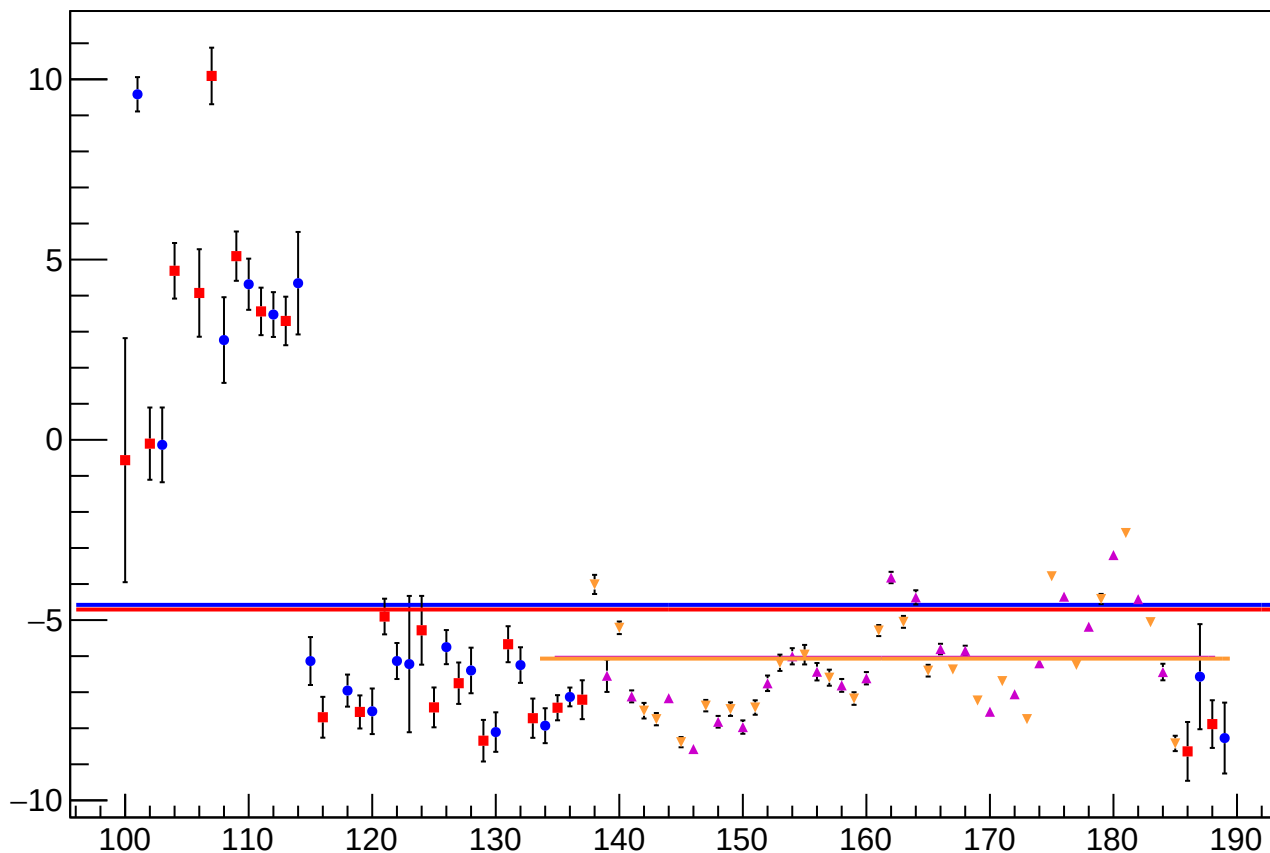
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 11.758 $\pm$ 0.025 χ^2 /NDF: 35874.9/47
 Right: 21.160 $\pm$ 0.116 χ^2 /NDF: 2395.2/39
 In: 11.923 $\pm$ 0.035 χ^2 /NDF:18876.8/41
 Out: 12.395 $\pm$ 0.034 χ^2 /NDF:25566.8/45
 All: 12.165 $\pm$ 0.024 χ^2 /NDF: 44539.0/87

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.578 ± 0.129 $\chi^2/\text{NDF}: 1599.2/18$

Left Out: -6.068 ± 0.031 $\chi^2/\text{NDF}: 2671.7/24$

Right Out: -4.707 ± 0.133 $\chi^2/\text{NDF}: 1390.1/20$

Left In: -6.045 ± 0.032 $\chi^2/\text{NDF}: 2293.7/22$

Left: -6.057 ± 0.022 $\chi^2/\text{NDF}: 4965.7/47$

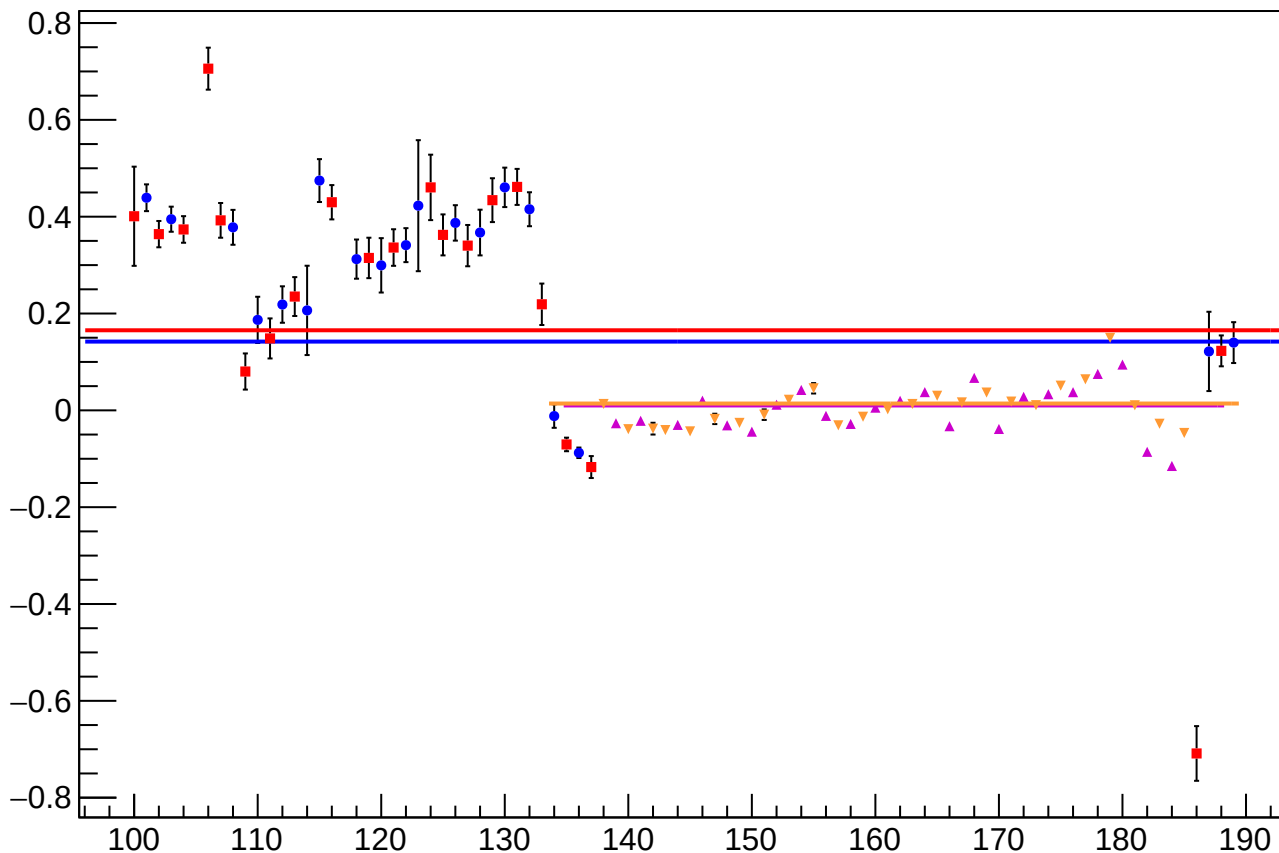
Right: -4.640 ± 0.092 $\chi^2/\text{NDF}: 2989.8/39$

In: -5.961 ± 0.031 $\chi^2/\text{NDF}: 4015.0/41$

Out: -5.997 ± 0.030 $\chi^2/\text{NDF}: 4161.9/45$

All: -5.980 ± 0.022 $\chi^2/\text{NDF}: 8177.6/87$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.012 $\pm$ 0.001 χ^2 /NDF: 2176.2/47

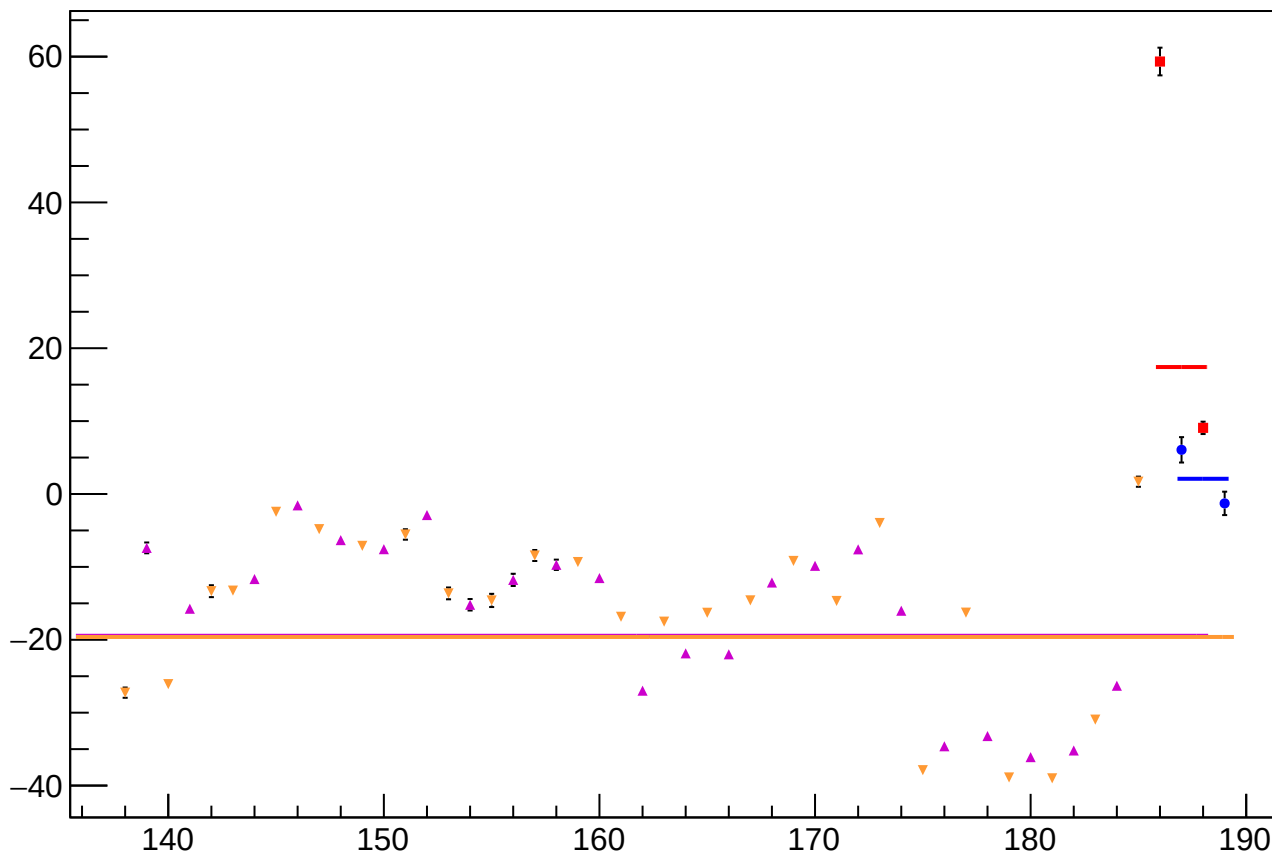
Right: 0.153 $\pm$ 0.005 χ^2 /NDF: 2309.2/39

In: 0.016 $\pm$ 0.001 χ^2 /NDF: 2619.0/41

Out: 0.020 $\pm$ 0.001 χ^2 /NDF: 2631.2/45

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5254.6/87

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -19.533+/-0.074 χ^2/NDF : 28045.6/47

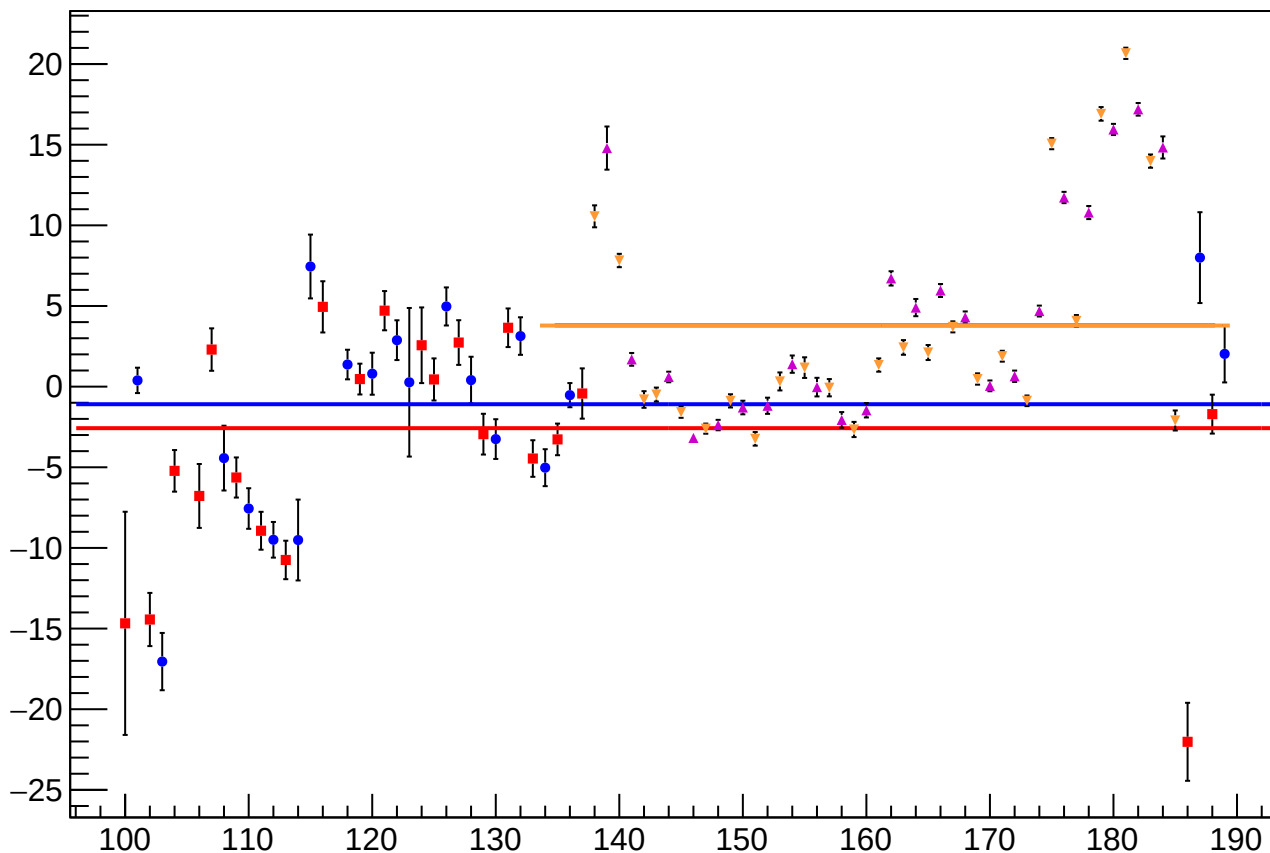
Right: 12.804+/-0.647 χ^2/NDF : 710.6/3

In: -19.281+/-0.105 χ^2/NDF :12623.1/24

Out: -18.966+/-0.102 χ^2/NDF :18590.7/26

All: -19.120+/-0.073 χ^2/NDF : 31218.5/51

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 3.793 ± 0.059 χ^2/NDF : 12667.5/47

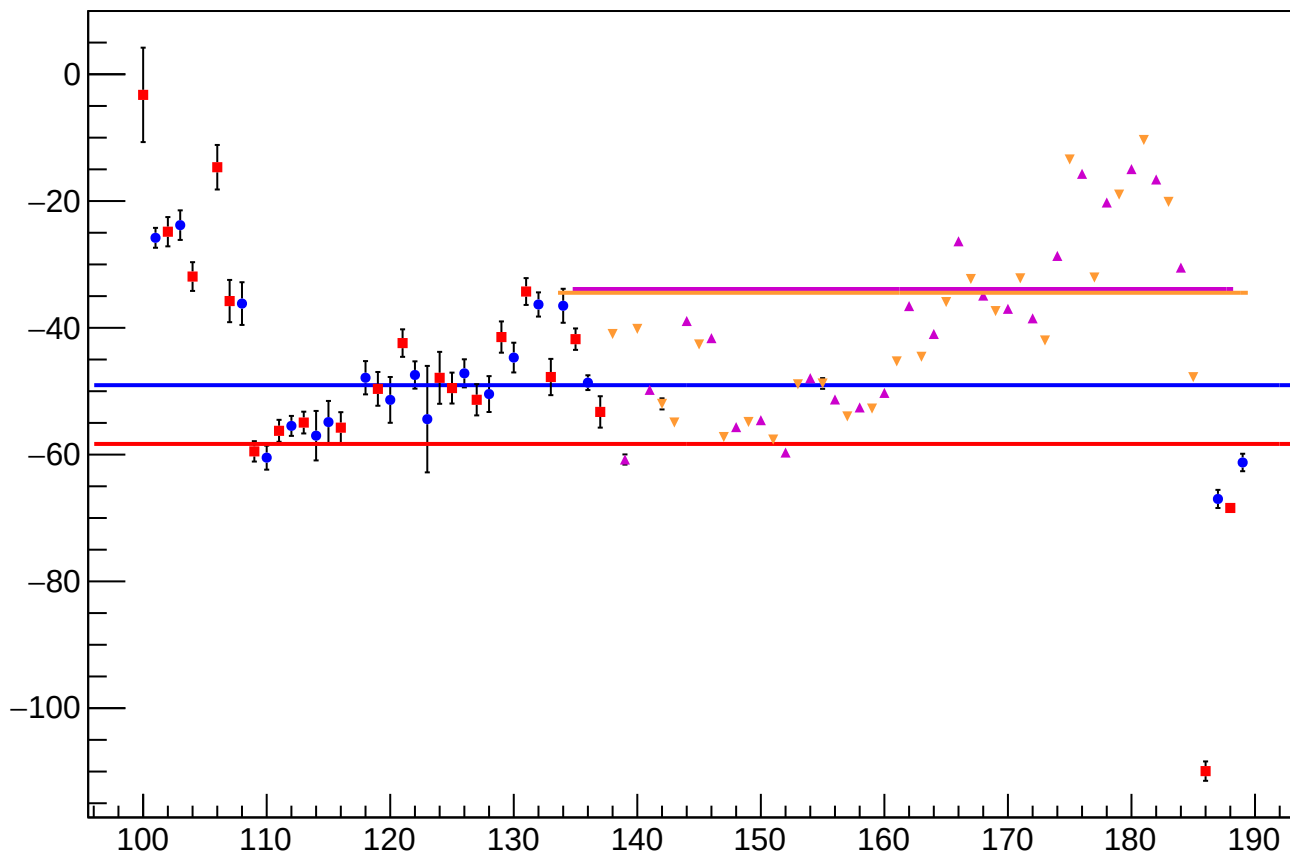
Right: -1.822 ± 0.205 χ^2/NDF : 654.0/39

In: 3.417 ± 0.080 χ^2/NDF : 6074.3/41

Out: 3.321 ± 0.079 χ^2/NDF : 7942.3/45

All: 3.368 ± 0.056 χ^2/NDF : 14017.3/87

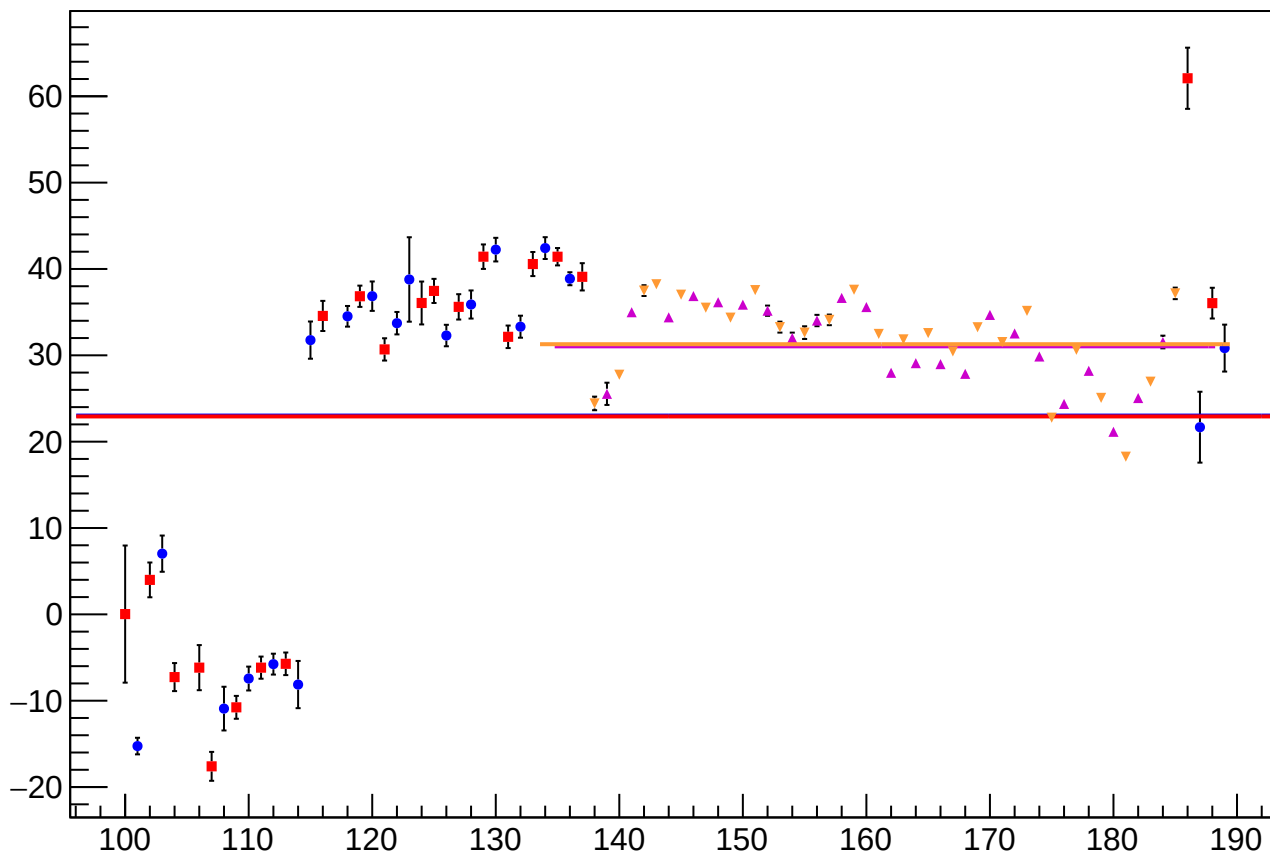
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -34.177 ± 0.074 χ^2/NDF : 37851.2/47
 Right: -54.324 ± 0.305 χ^2/NDF : 3294.6/39
 In: -34.617 ± 0.103 χ^2/NDF : 19373.9/41
 Out: -35.953 ± 0.101 χ^2/NDF : 25814.4/45
 All: -35.298 ± 0.072 χ^2/NDF : 45274.5/87

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 31.165 $\pm$ 0.066 χ^2 /NDF: 5829.2/47

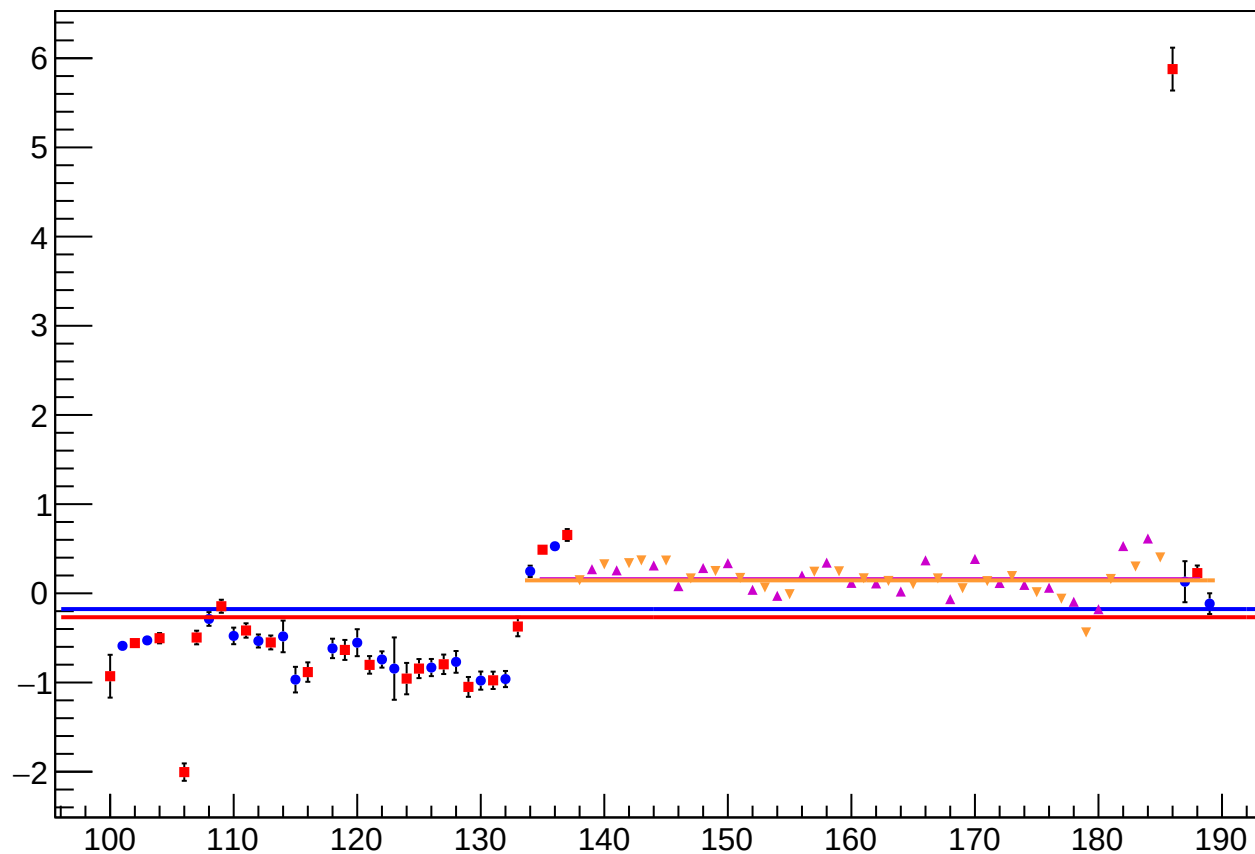
Right: 22.973 $\pm$ 0.233 χ^2 /NDF: 8538.3/39

In: 30.419 $\pm$ 0.090 χ^2 /NDF:7366.2/41

Out: 30.688 $\pm$ 0.089 χ^2 /NDF:8144.3/45

All: 30.556 $\pm$ 0.063 χ^2 /NDF: 15515.0/87

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.152 ± 0.003 χ^2/NDF : 3594.3/47

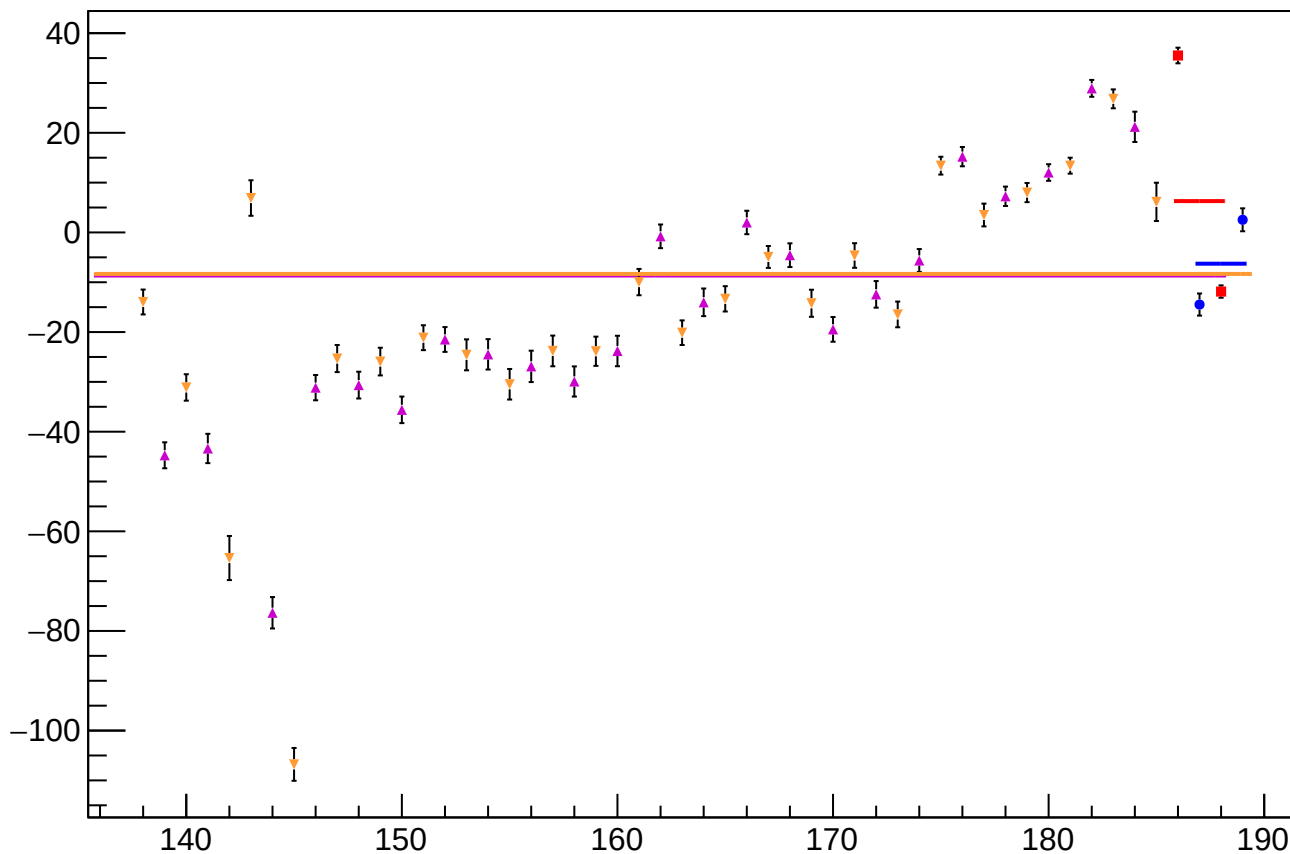
Right: -0.222 ± 0.012 χ^2/NDF : 2882.8/39

In: 0.140 ± 0.004 χ^2/NDF : 3352.4/41

Out: 0.123 ± 0.004 χ^2/NDF : 3963.8/45

All: 0.131 ± 0.003 χ^2/NDF : 7324.1/87

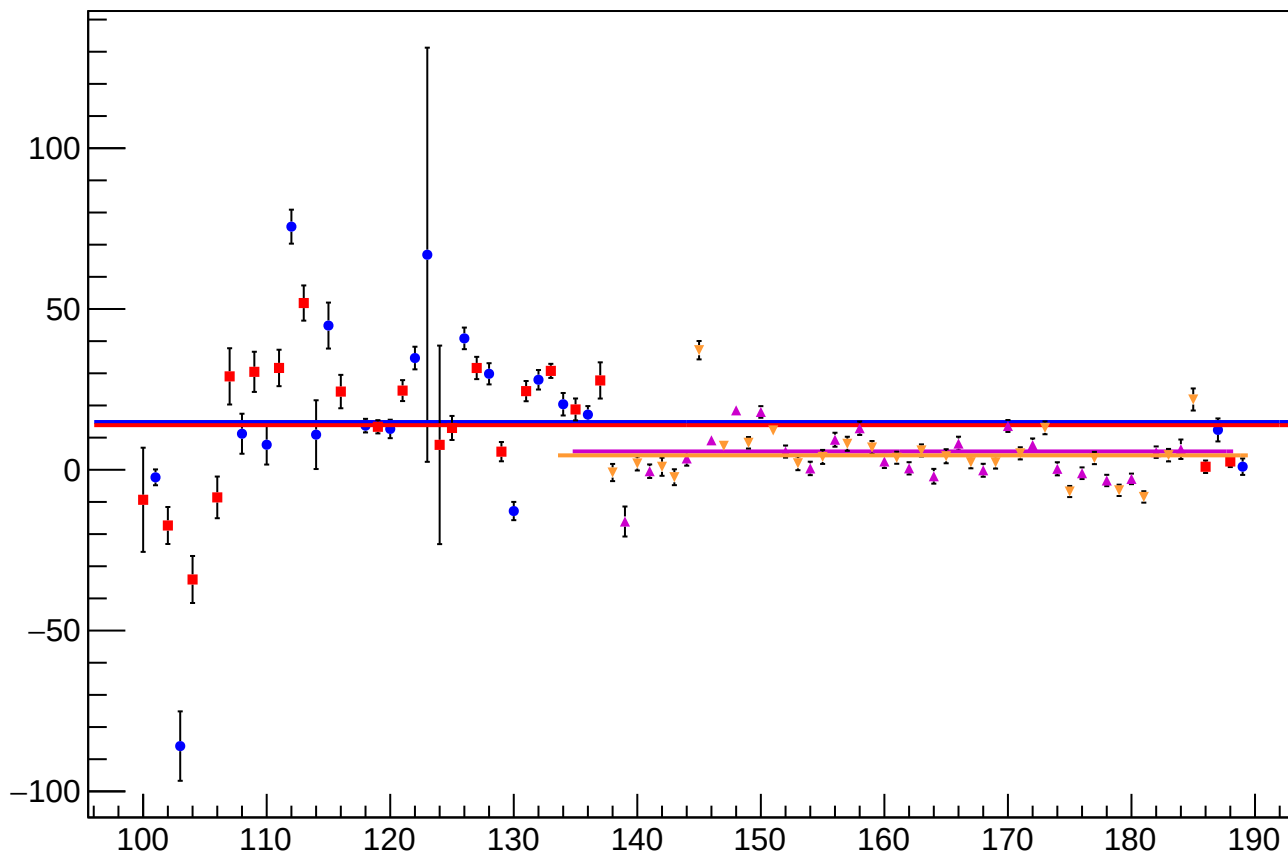
reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -8.490 ± 0.356 χ^2/NDF : 4450.2/47
 Right: 2.891 ± 0.831 χ^2/NDF : 634.4/3
 In: -8.434 ± 0.483 χ^2/NDF : 2254.1/24
 Out: -5.280 ± 0.444 χ^2/NDF : 2965.9/26
 All: -6.725 ± 0.327 χ^2/NDF : 5243.1/51

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 14.852 $\pm$ 0.795 χ^2 /NDF: 548.7/18

Left Out: 4.484 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 13.875 $\pm$ 0.737 χ^2 /NDF: 369.4/20

Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

Left: 5.076 $\pm$ 0.281 χ^2 /NDF: 700.6/47

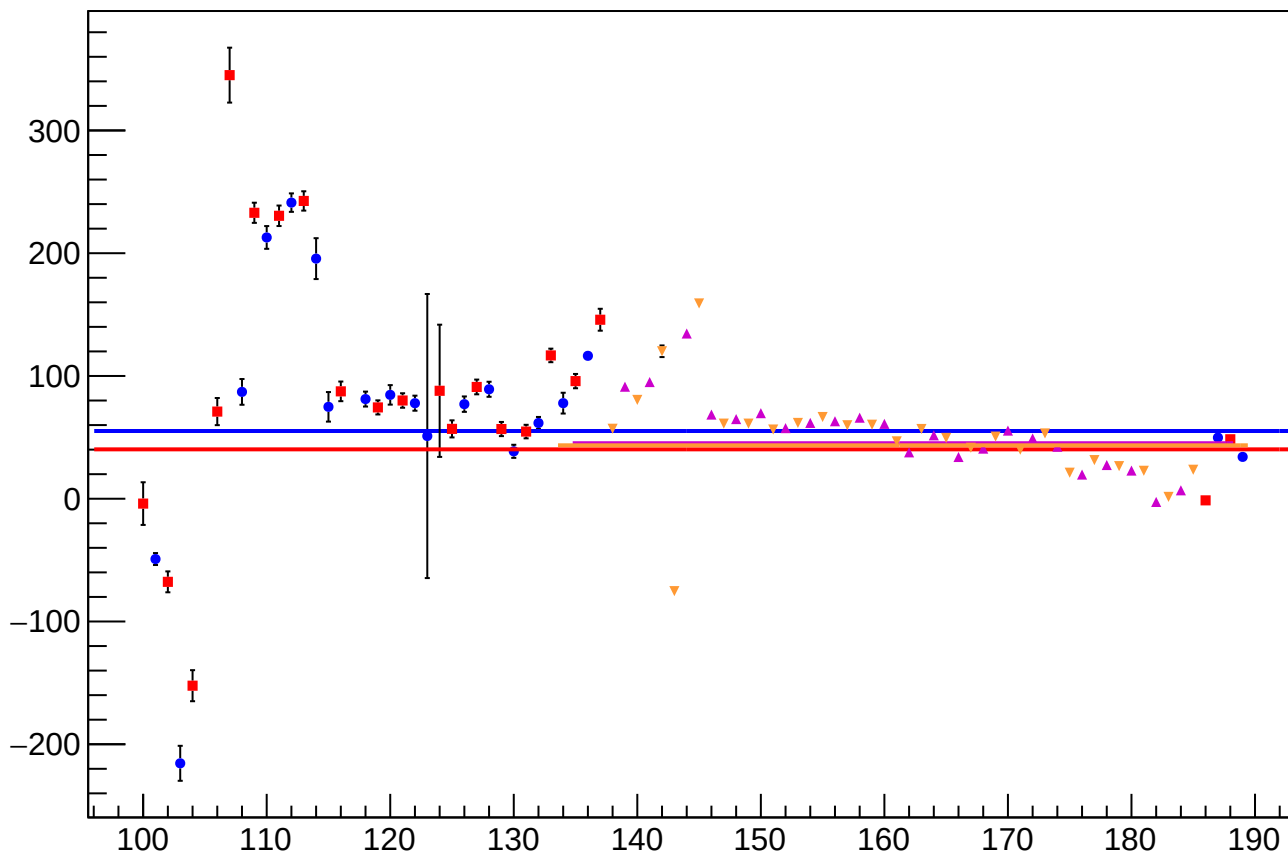
Right: 14.327 $\pm$ 0.541 χ^2 /NDF: 918.9/39

In: 7.584 $\pm$ 0.360 χ^2 /NDF: 978.0/41

Out: 6.555 $\pm$ 0.346 χ^2 /NDF: 867.7/45

All: 7.049 $\pm$ 0.250 χ^2 /NDF: 1849.9/87

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 44.358+/-0.354 χ^2/NDF : 6884.8/47

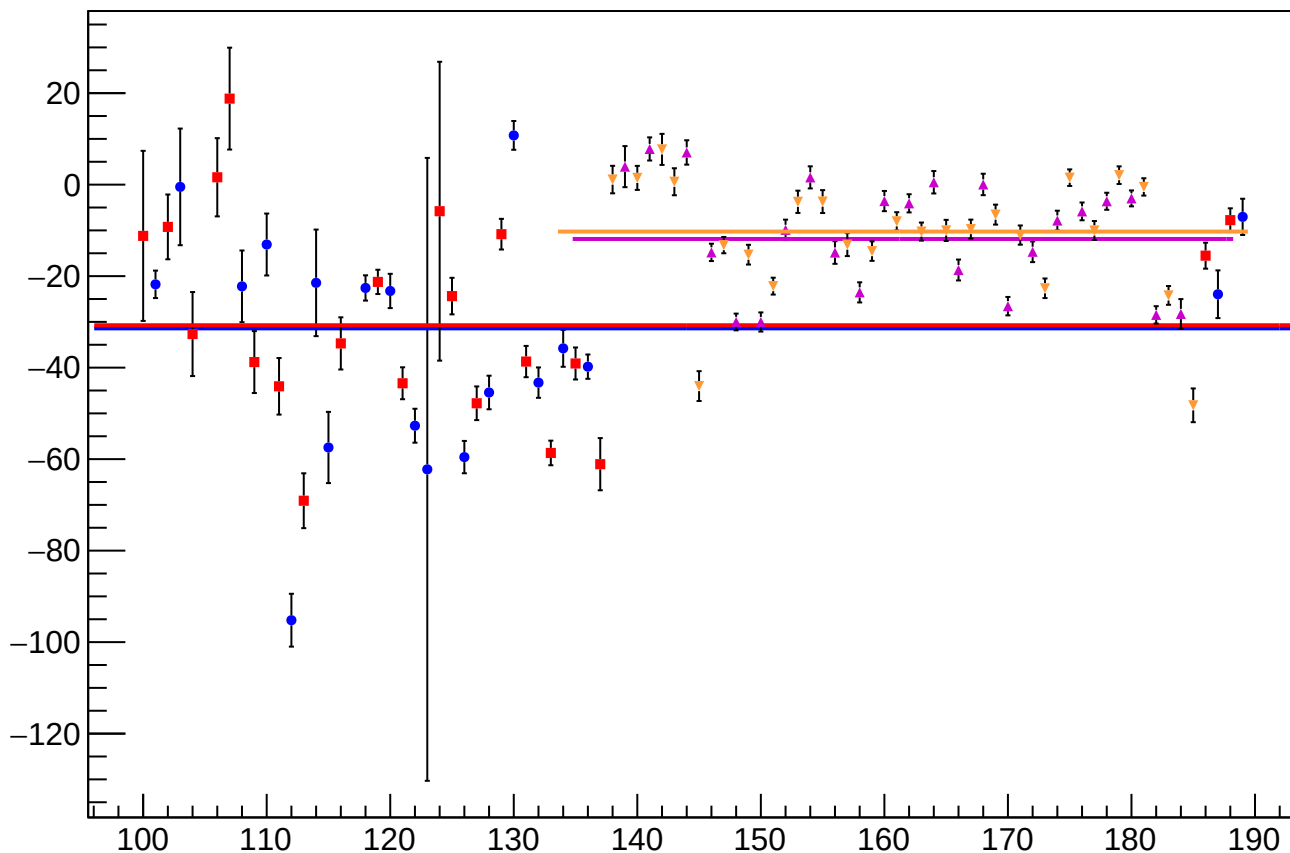
Right: 45.017+/-0.586 χ^2/NDF : 6520.9/39

In: 47.124+/-0.453 χ^2/NDF : 5386.5/41

Out: 42.436+/-0.408 χ^2/NDF : 7961.2/45

All: 44.535+/-0.303 χ^2/NDF : 13406.7/87

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 666.2/22$

Left: -11.046 ± 0.318 $\chi^2/\text{NDF}: 1225.1/47$

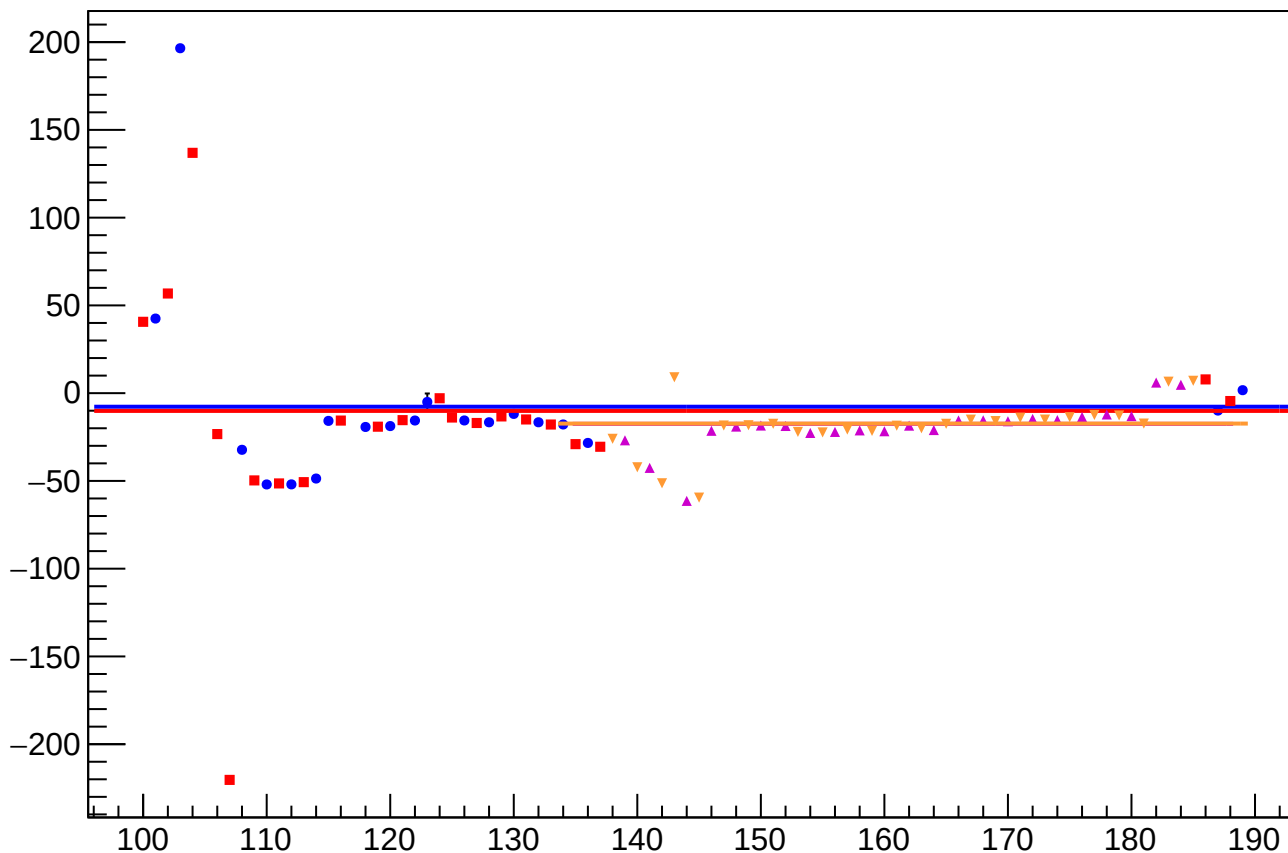
Right: -31.061 ± 0.651 $\chi^2/\text{NDF}: 961.5/39$

In: -15.605 ± 0.410 $\chi^2/\text{NDF}: 1545.0/41$

Out: -14.239 ± 0.399 $\chi^2/\text{NDF}: 1398.3/45$

All: -14.903 ± 0.286 $\chi^2/\text{NDF}: 2949.0/87$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -7.729 ± 0.055 $\chi^2/\text{NDF}: 578514.6/18$

Left Out: -17.333 ± 0.020 $\chi^2/\text{NDF}: 325197.2/24$

Right Out: -10.111 ± 0.054 $\chi^2/\text{NDF}: 570320.9/20$

Left In: -17.491 ± 0.021 $\chi^2/\text{NDF}: 259215.8/22$

Left: -17.411 ± 0.015 $\chi^2/\text{NDF}: 584442.6/47$

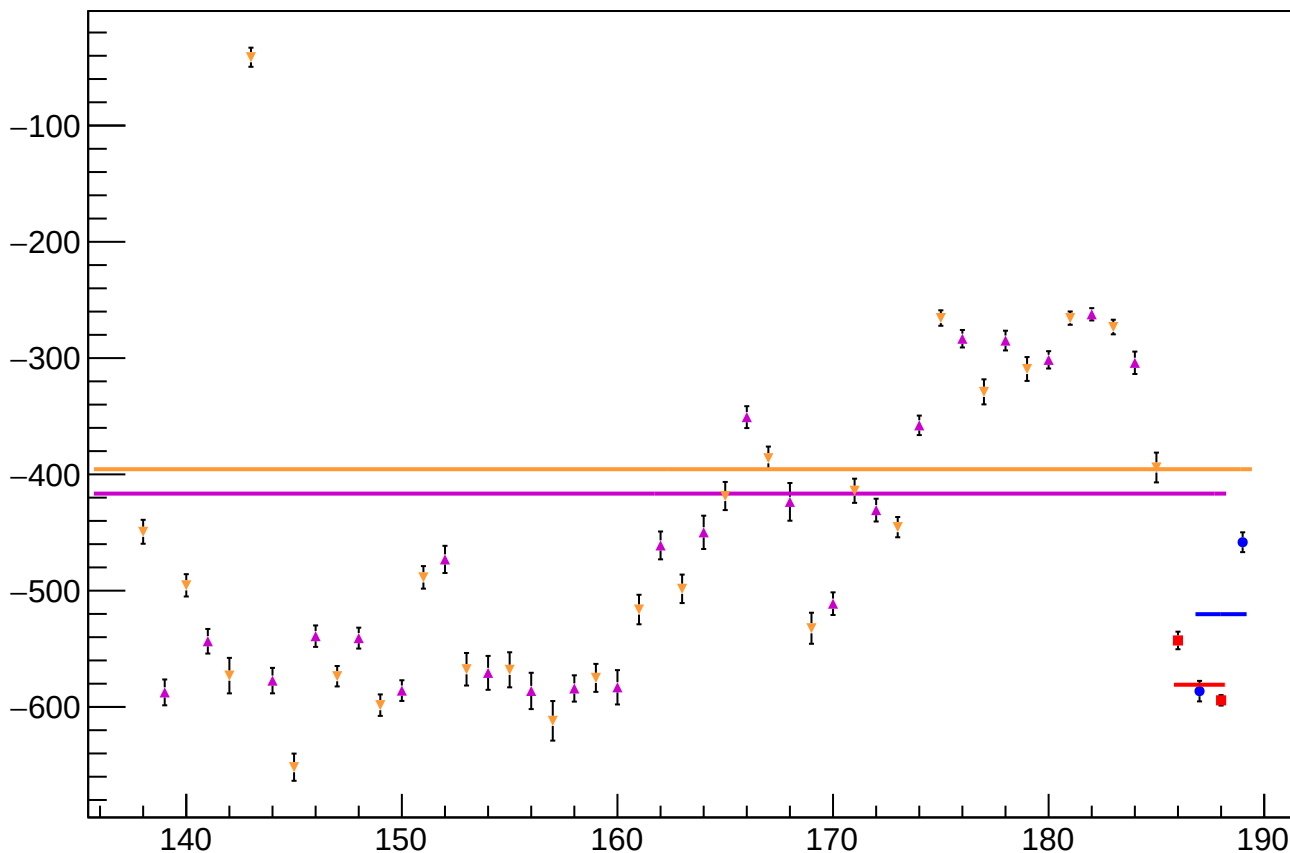
Right: -8.950 ± 0.039 $\chi^2/\text{NDF}: 1149787.9/39$

In: -16.292 ± 0.019 $\chi^2/\text{NDF}: 865101.3/41$

Out: -16.428 ± 0.019 $\chi^2/\text{NDF}: 911218.1/45$

All: -16.361 ± 0.014 $\chi^2/\text{NDF}: 1776344.3/87$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -405.762+/-1.399 χ^2/NDF : 9919.7/47

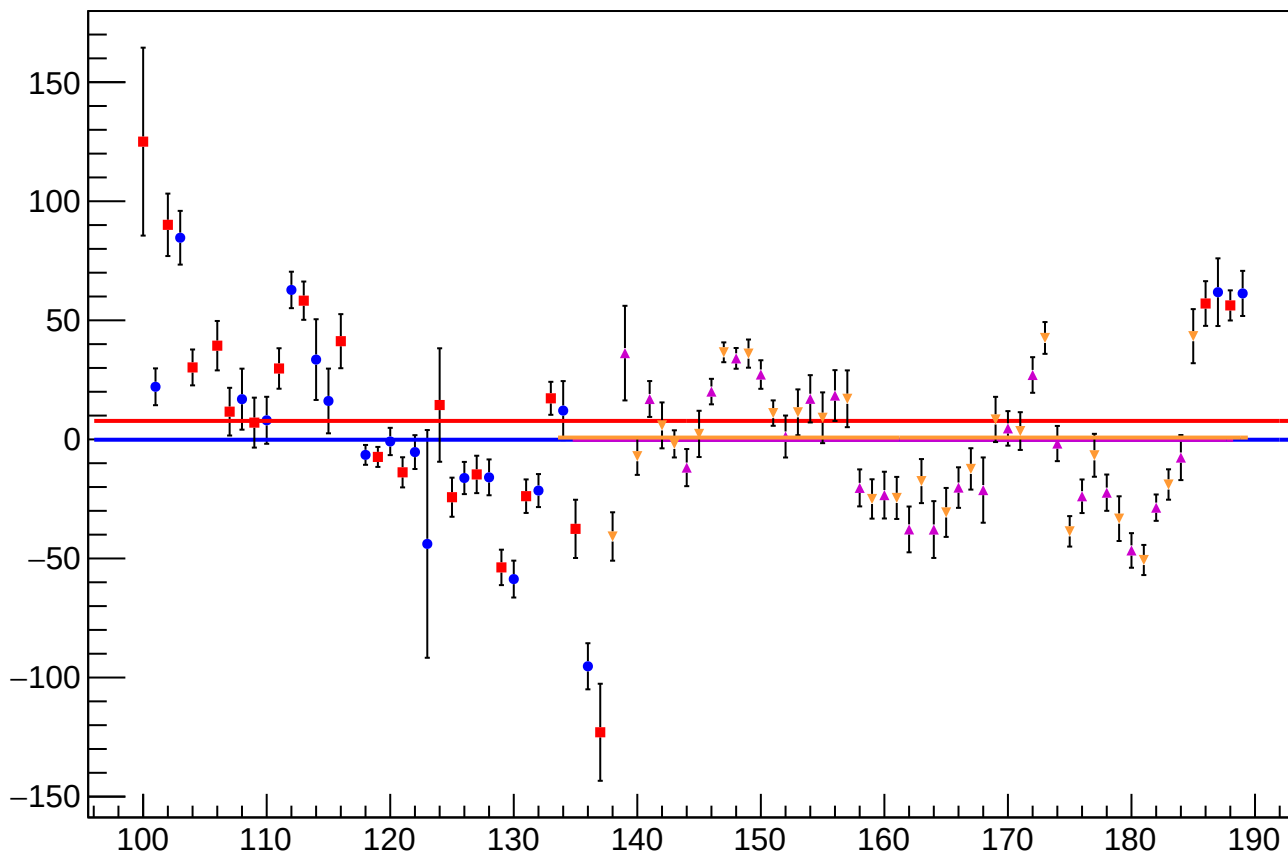
Right: -563.681+/-3.264 χ^2/NDF : 213.6/3

In: -426.545+/-1.905 χ^2/NDF : 4284.6/24

Out: -433.394+/-1.743 χ^2/NDF : 7819.1/26

All: -430.275+/-1.286 χ^2/NDF : 12110.8/51

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.305 ± 1.087 χ^2/NDF : 611.1/47

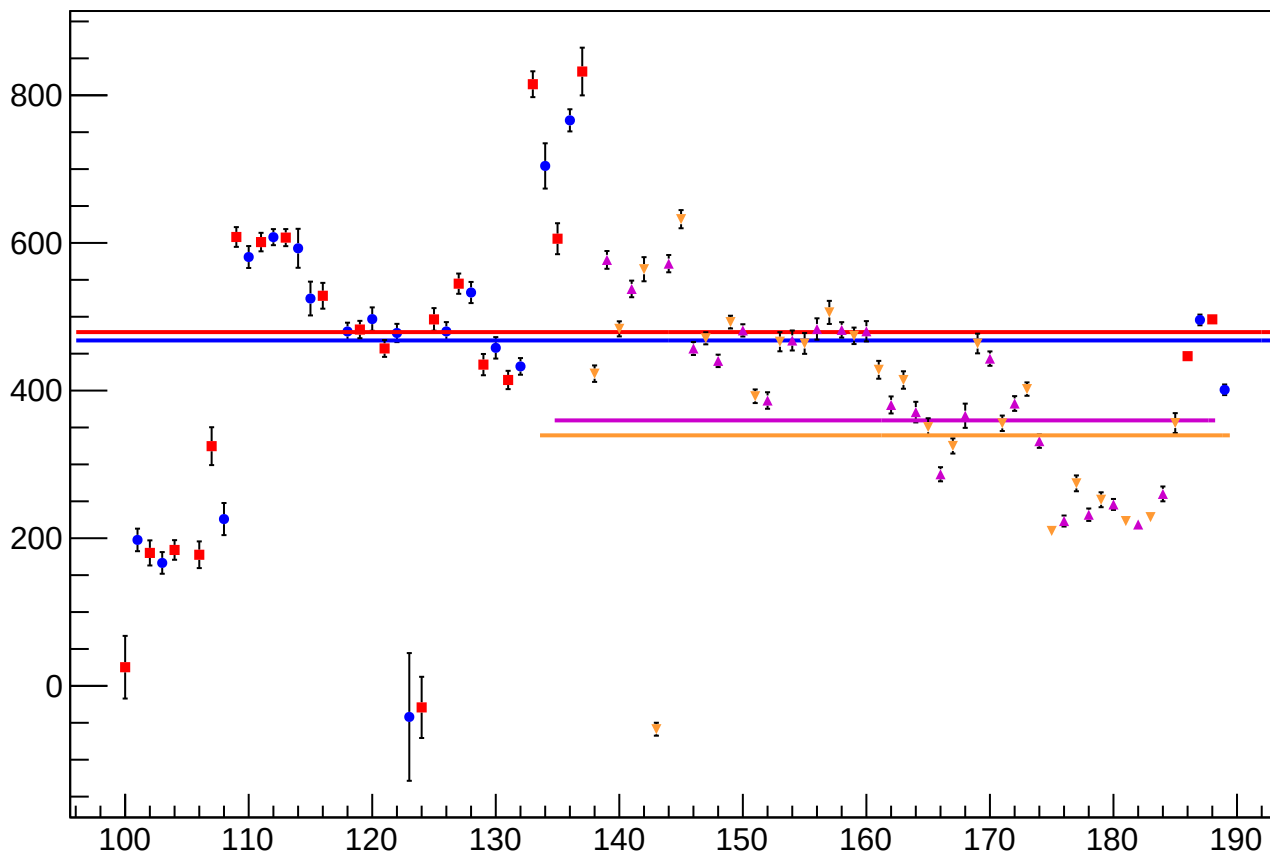
Right: 3.963 ± 1.298 χ^2/NDF : 789.6/39

In: -0.177 ± 1.205 χ^2/NDF : 639.9/41

Out: 3.639 ± 1.154 χ^2/NDF : 760.2/45

All: 1.814 ± 0.833 χ^2/NDF : 1405.3/87

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 349.278 $\pm$ 1.402 χ^2 /NDF: 8953.2/47

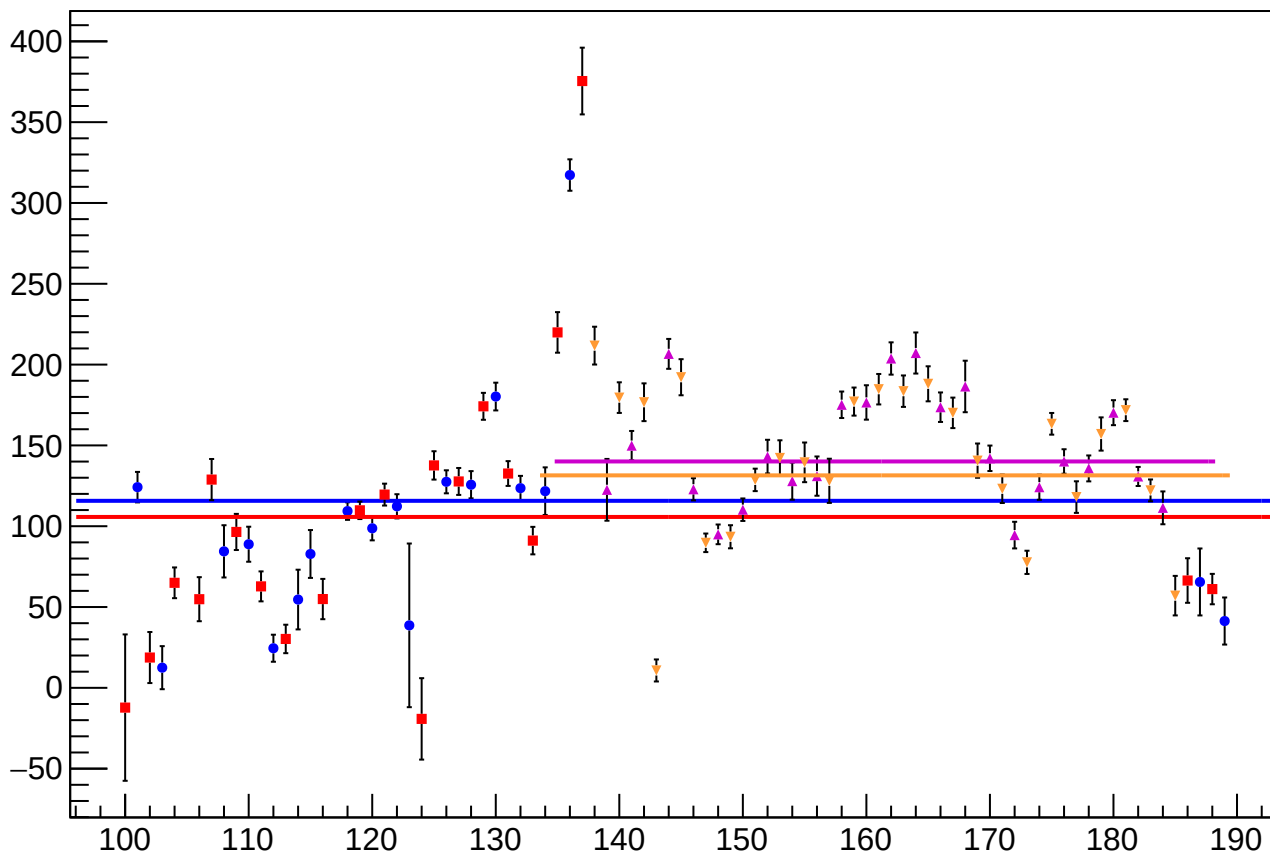
Right: 474.919 $\pm$ 1.836 χ^2 /NDF: 4085.0/39

In: 393.289 $\pm$ 1.662 χ^2 /NDF:6044.0/41

Out: 397.360 $\pm$ 1.501 χ^2 /NDF:9948.5/45

All: 395.531 $\pm$ 1.114 χ^2 /NDF: 15995.8/87

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 115.710 $\pm$ 2.192 χ^2 /NDF: 738.1/18

Left Out: 131.464 $\pm$ 1.728 χ^2 /NDF: 809.3/24

Right Out: 105.736 $\pm$ 2.125 χ^2 /NDF: 601.3/20

Left In: 140.069 $\pm$ 1.795 χ^2 /NDF: 316.5/22

Left: 135.602 $\pm$ 1.245 χ^2 /NDF: 1137.8/47

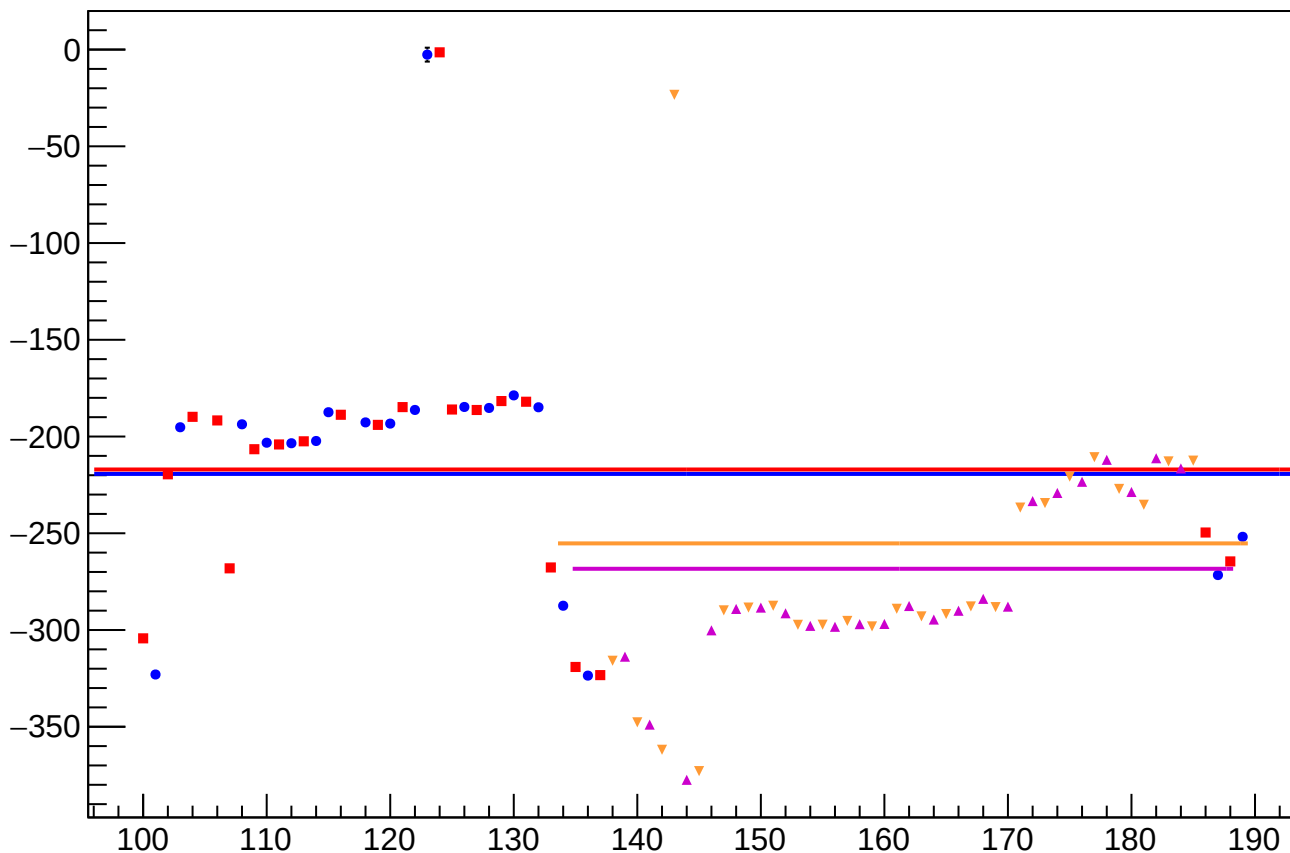
Right: 110.567 $\pm$ 1.526 χ^2 /NDF: 1350.0/39

In: 130.293 $\pm$ 1.389 χ^2 /NDF: 1128.5/41

Out: 121.226 $\pm$ 1.340 χ^2 /NDF: 1498.9/45

All: 125.599 $\pm$ 0.965 χ^2 /NDF: 2649.4/87

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 262479.3/22$

Left: -261.661 ± 0.059 $\chi^2/\text{NDF}: 1003051.2/47$

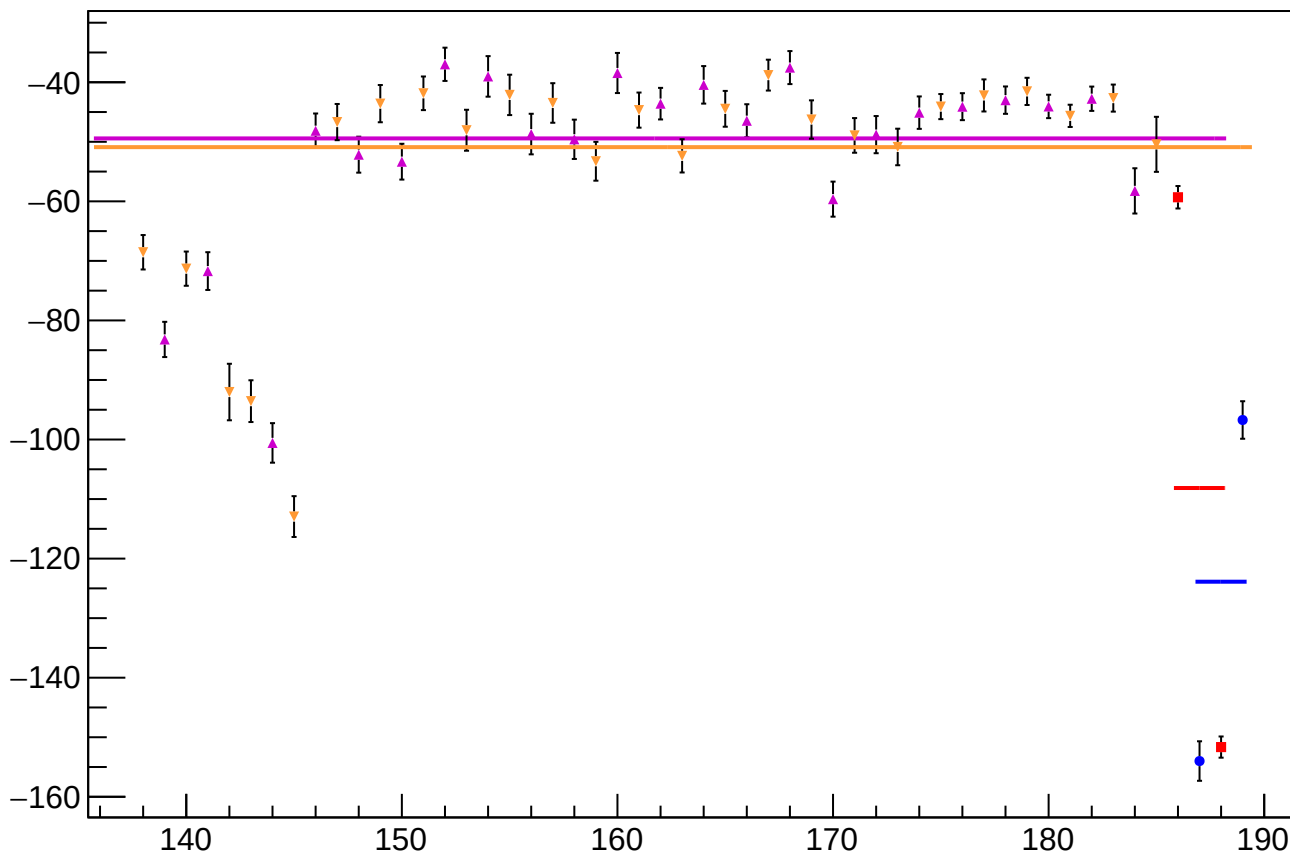
Right: -218.106 ± 0.091 $\chi^2/\text{NDF}: 279285.5/39$

In: -254.470 ± 0.071 $\chi^2/\text{NDF}: 510955.3/41$

Out: -243.689 ± 0.068 $\chi^2/\text{NDF}: 921631.9/45$

All: -248.899 ± 0.049 $\chi^2/\text{NDF}: 1444568.6/87$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -123.879 ± 2.285 χ^2/NDF : 156.7/1

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -108.144 ± 1.295 χ^2/NDF : 1267.7/1

Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

Left: -50.179 ± 0.409 χ^2/NDF : 1307.8/47

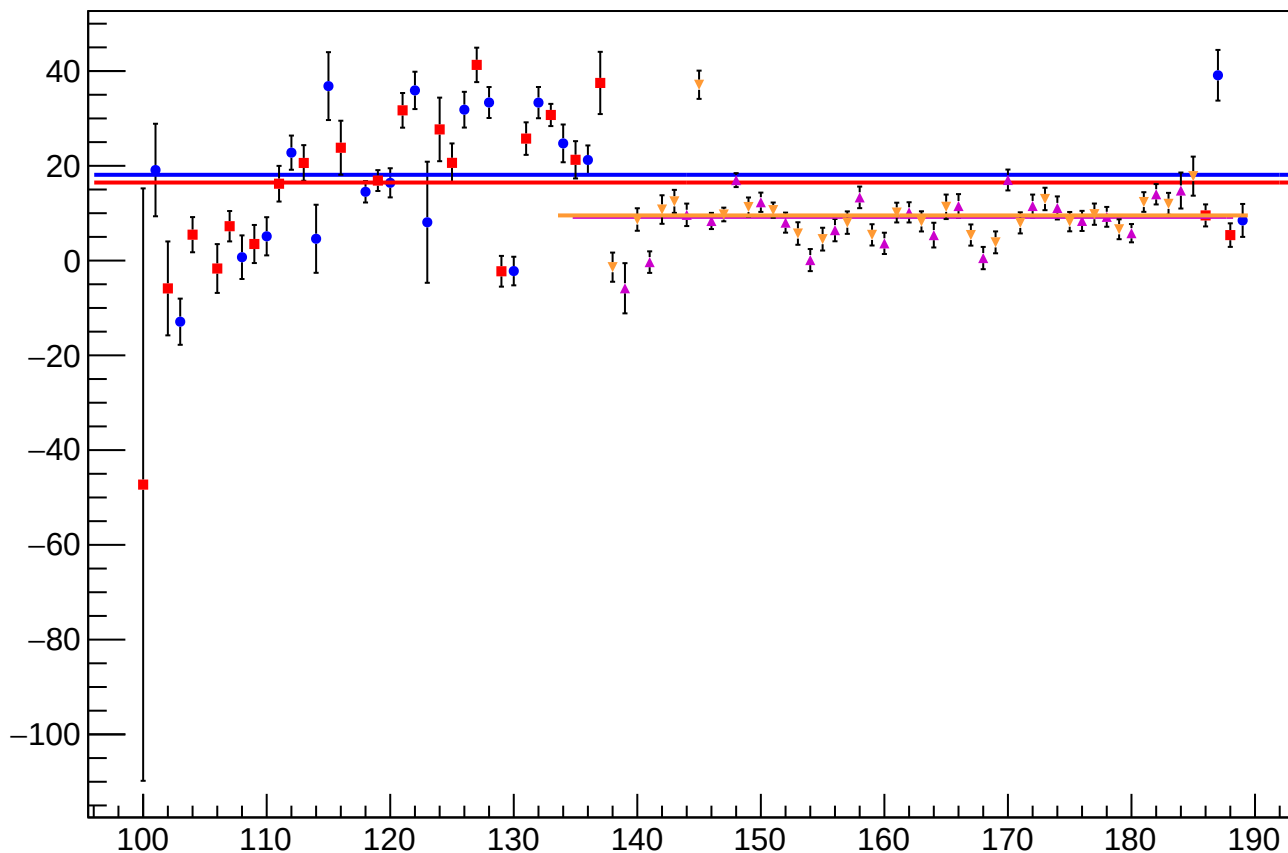
Right: -111.968 ± 1.126 χ^2/NDF : 1460.3/3

In: -53.996 ± 0.566 χ^2/NDF : 1696.7/24

Out: -60.269 ± 0.524 χ^2/NDF : 3664.2/26

All: -57.374 ± 0.384 χ^2/NDF : 5427.1/51

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 9.386 $\pm$ 0.321 χ^2 /NDF: 258.5/47

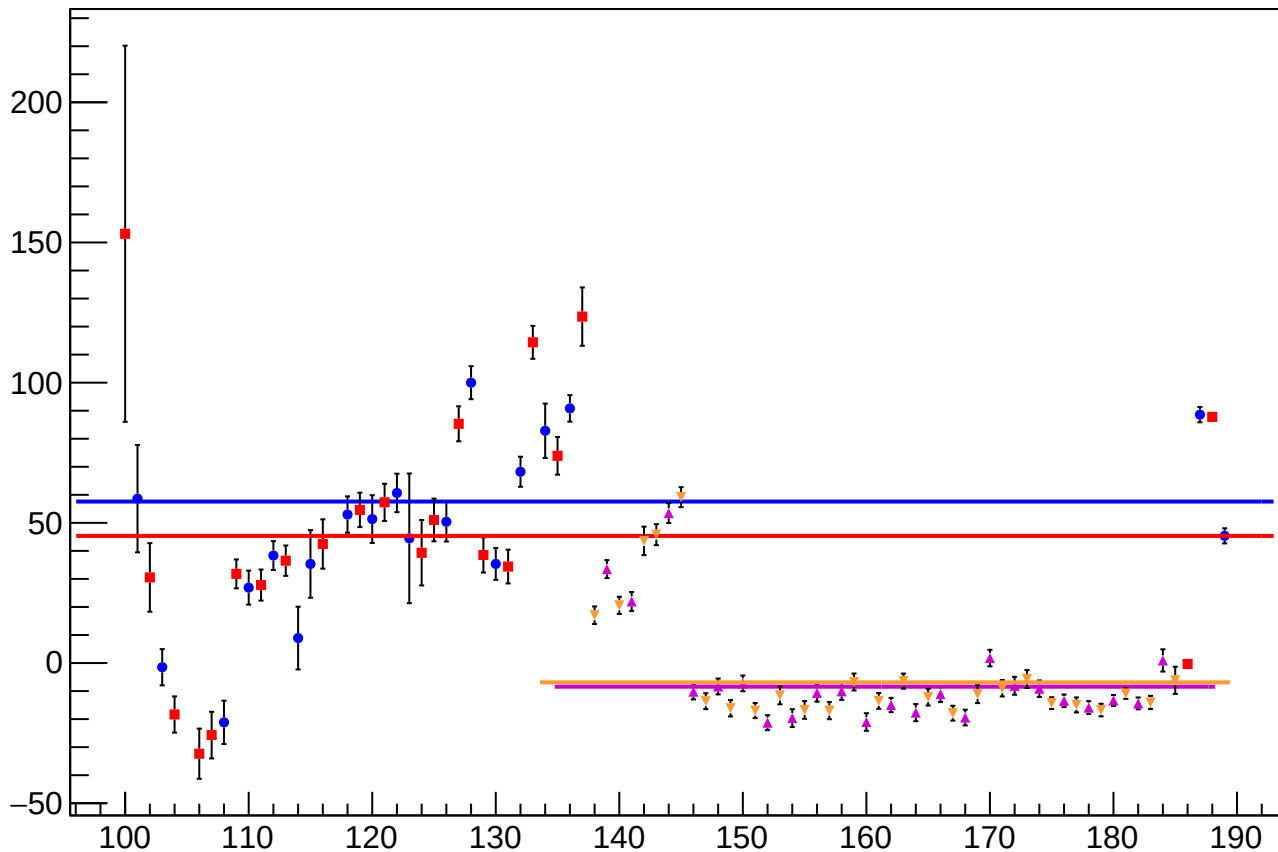
Right: 17.184 $\pm$ 0.578 χ^2 /NDF: 466.6/39

In: 11.159 $\pm$ 0.408 χ^2 /NDF:433.9/41

Out: 11.274 $\pm$ 0.386 χ^2 /NDF:430.2/45

All: 11.220 $\pm$ 0.280 χ^2 /NDF: 864.2/87

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 57.599 $\pm$ 1.263 χ^2 /NDF: 529.0/18

Left Out: -6.888 $\pm$ 0.571 χ^2 /NDF: 914.2/24

Right Out: 45.344 $\pm$ 0.873 χ^2 /NDF: 2323.2/20

Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

Left: -7.658 $\pm$ 0.407 χ^2 /NDF: 1606.8/47

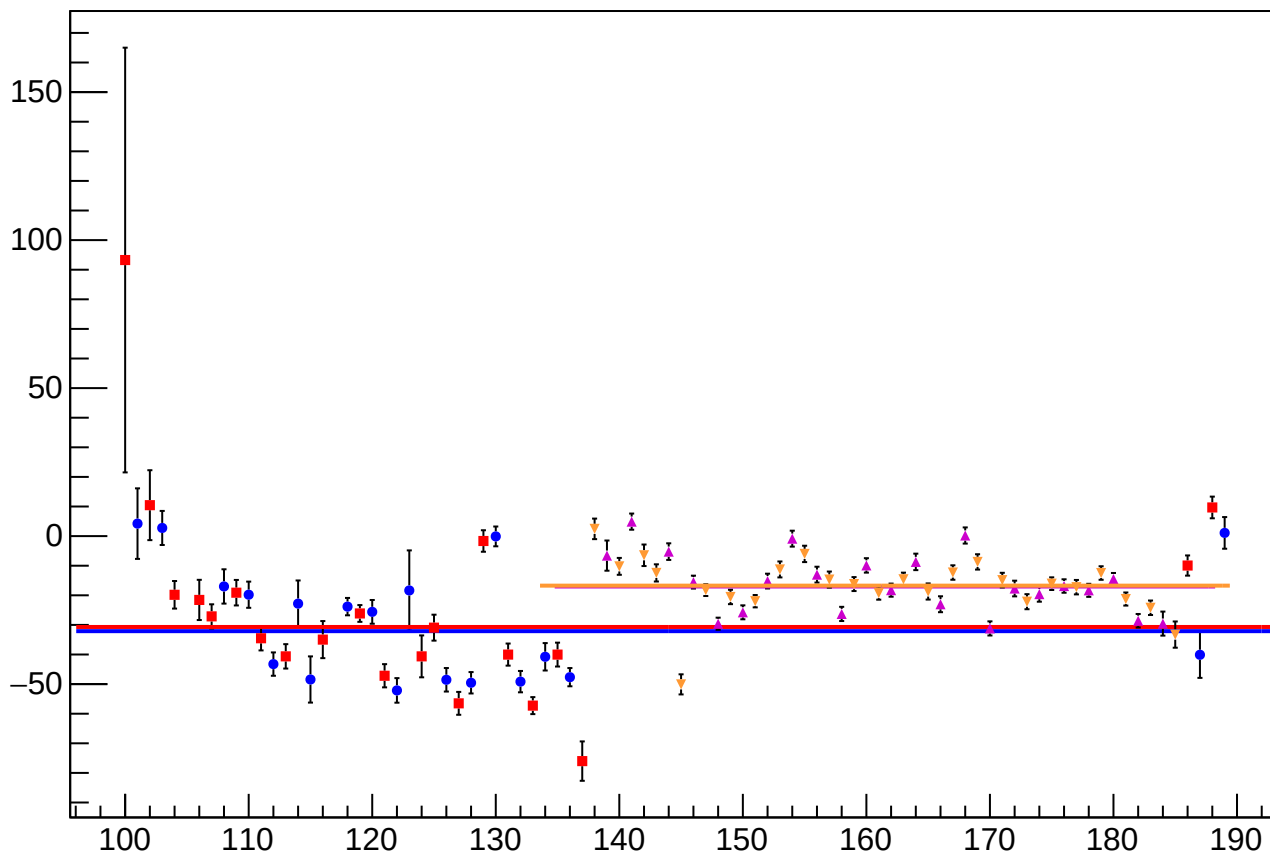
Right: 49.305 $\pm$ 0.718 χ^2 /NDF: 2915.9/39

In: 3.039 $\pm$ 0.527 χ^2 /NDF: 3475.4/41

Out: 8.756 $\pm$ 0.478 χ^2 /NDF: 5743.9/45

All: 6.176 $\pm$ 0.354 χ^2 /NDF: 9283.8/87

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.113 ± 1.017 $\chi^2/\text{NDF}: 332.1/18$

Left Out: -16.733 ± 0.507 $\chi^2/\text{NDF}: 223.3/24$

Right Out: -30.697 ± 0.923 $\chi^2/\text{NDF}: 470.4/20$

Left In: -17.023 ± 0.522 $\chi^2/\text{NDF}: 327.6/22$

Left: -16.874 ± 0.364 $\chi^2/\text{NDF}: 551.0/47$

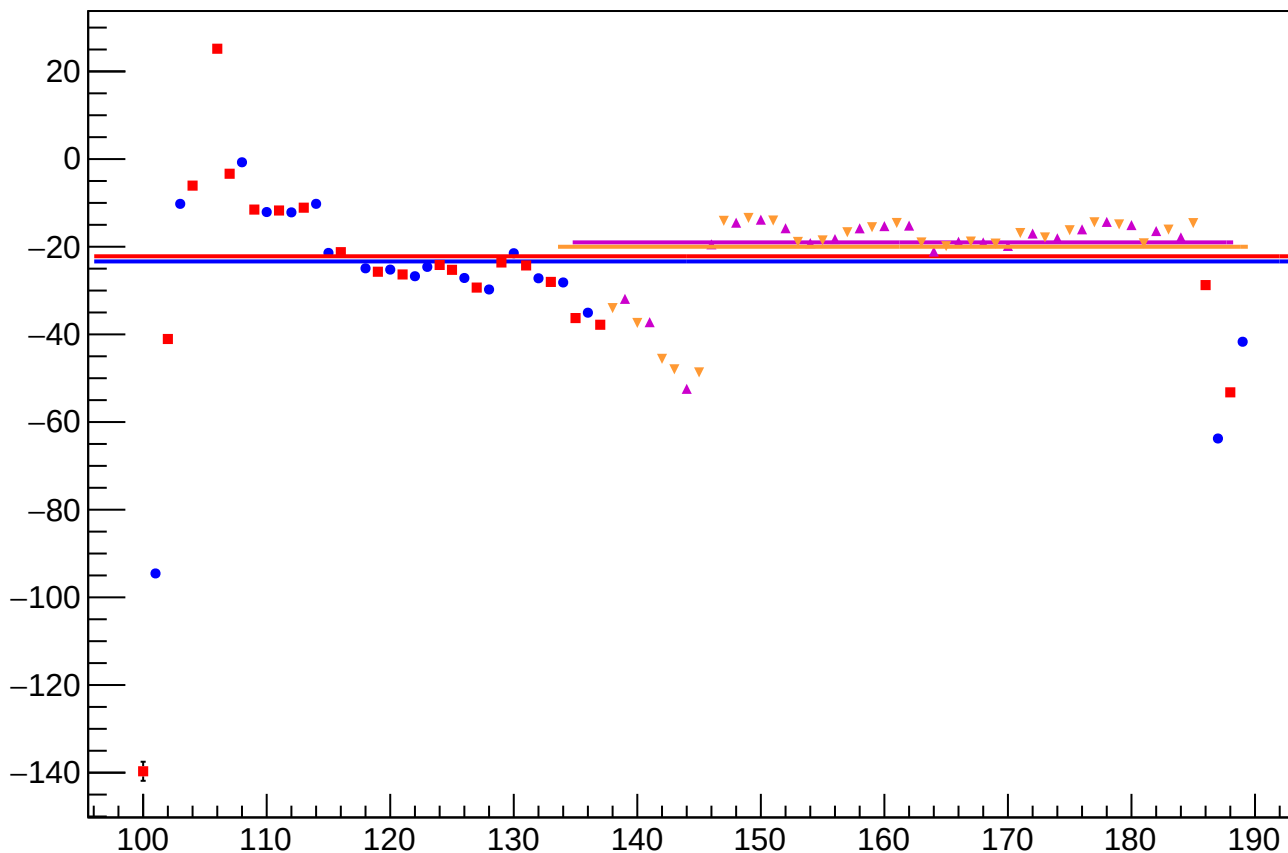
Right: -31.336 ± 0.683 $\chi^2/\text{NDF}: 803.5/39$

In: -20.167 ± 0.464 $\chi^2/\text{NDF}: 833.9/41$

Out: -19.968 ± 0.444 $\chi^2/\text{NDF}: 869.6/45$

All: -20.063 ± 0.321 $\chi^2/\text{NDF}: 1703.6/87$

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -19.514+/-0.017 χ^2/NDF : 237400.2/47

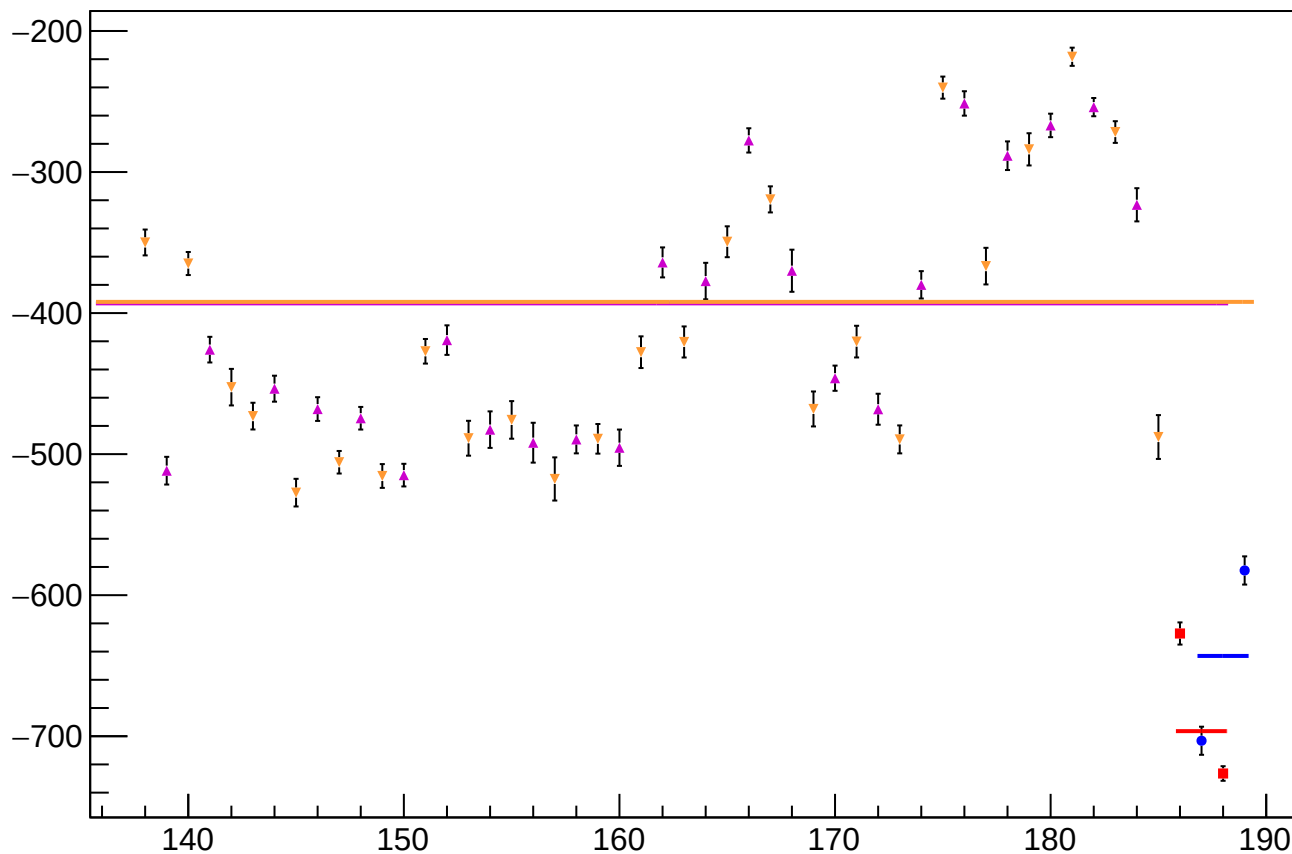
Right: -22.729+/-0.039 χ^2/NDF : 181958.9/39

In: -19.653+/-0.022 χ^2/NDF : 160585.3/41

Out: -20.355+/-0.021 χ^2/NDF : 264047.0/45

All: -20.012+/-0.015 χ^2/NDF : 425159.8/87

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -643.077 $\pm$ 7.059 χ^2 /NDF: 73.1/1
 Left Out: -392.054 $\pm$ 1.967 χ^2 /NDF:2717.2/24
 Right Out: -696.396 $\pm$ 4.325 χ^2 /NDF: 111.2/1
 Left In: -393.113 $\pm$ 2.006 χ^2 /NDF:2253.3/22

Left: -392.573 $\pm$ 1.404 χ^2 /NDF: 4970.6/47

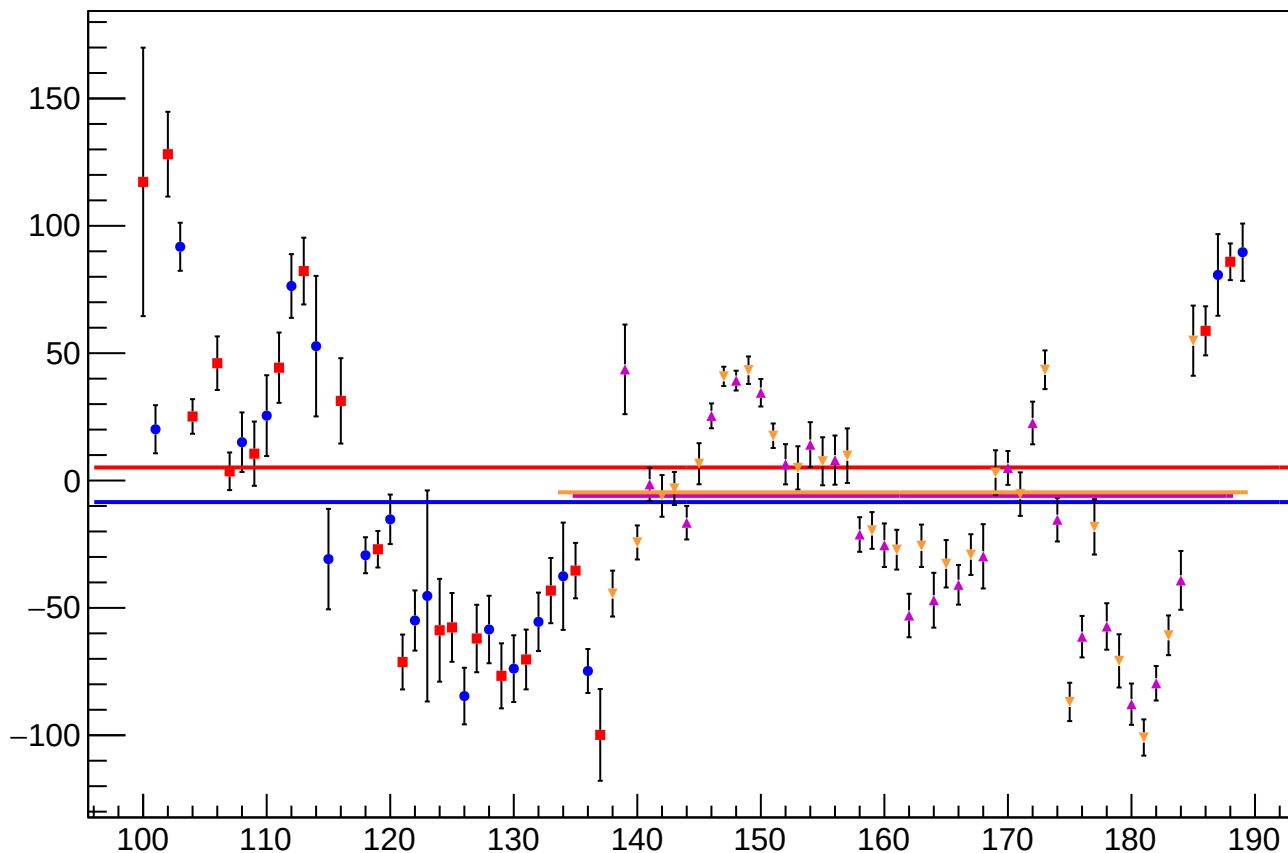
Right: -681.847 $\pm$ 3.688 χ^2 /NDF: 225.8/3

In: -411.781 $\pm$ 1.929 χ^2 /NDF:3486.5/24

Out: -444.205 $\pm$ 1.790 χ^2 /NDF:6932.3/26

All: -429.203 $\pm$ 1.312 χ^2 /NDF: 10570.6/51

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: -5.296 ± 1.053 χ^2/NDF : 1427.4/47

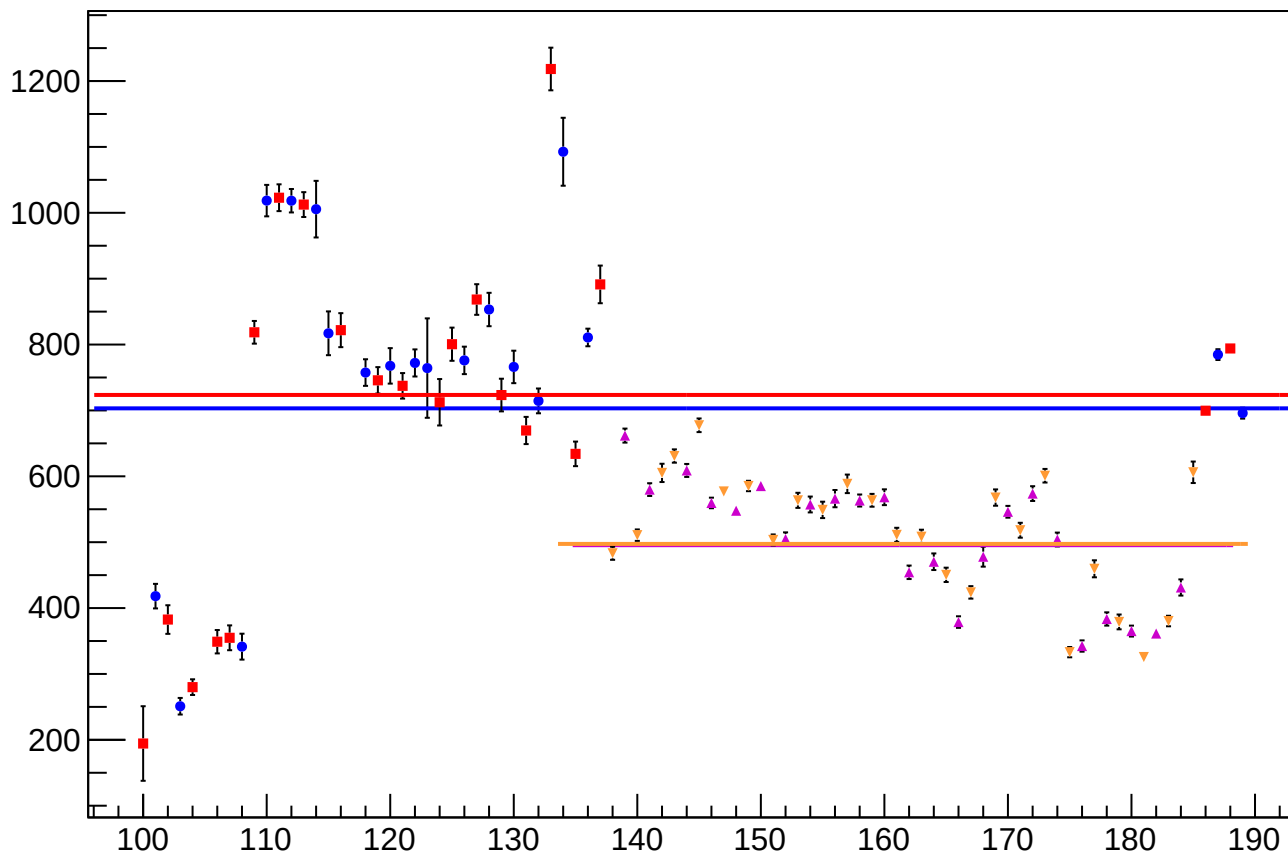
Right: -0.804 ± 1.785 χ^2/NDF : 1050.5/39

In: -6.603 ± 1.322 χ^2/NDF : 1133.8/41

Out: -1.948 ± 1.246 χ^2/NDF : 1342.3/45

All: -4.137 ± 0.907 χ^2/NDF : 2482.6/87

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 703.162+/-3.828 χ^2/NDF : 2712.6/18

Left Out: 497.381+/-1.966 χ^2/NDF : 2614.6/24

Right Out: 723.507+/-2.802 χ^2/NDF : 3697.0/20

Left In: 495.454+/-1.992 χ^2/NDF : 2253.8/22

Left: 496.430+/-1.399 χ^2/NDF : 4868.9/47

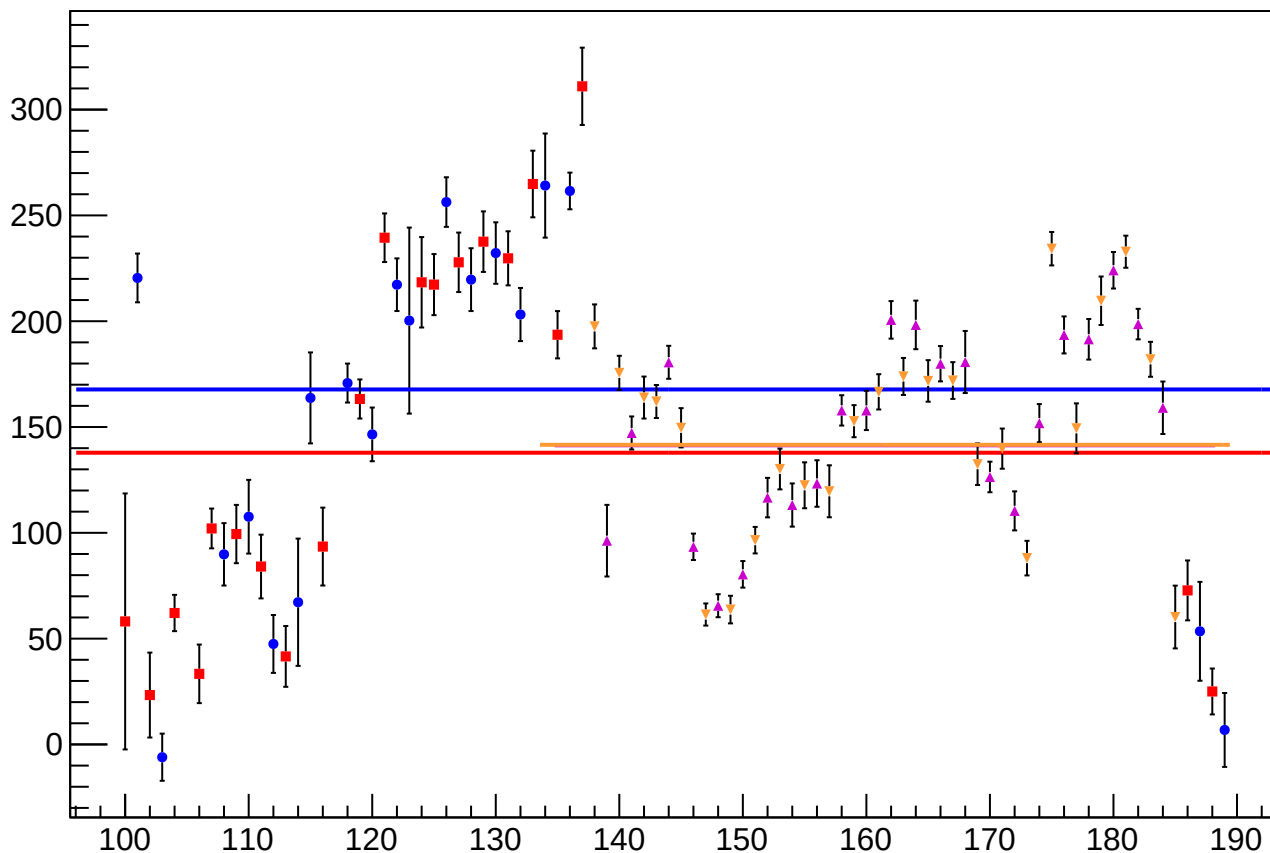
Right: 716.407+/-2.261 χ^2/NDF : 6428.0/39

In: 539.726+/-1.767 χ^2/NDF : 7283.4/41

Out: 571.958+/-1.609 χ^2/NDF : 10675.0/45

All: 557.345+/-1.190 χ^2/NDF : 18140.3/87

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 141.478 $\pm$ 1.218 χ^2 /NDF: 1700.8/47

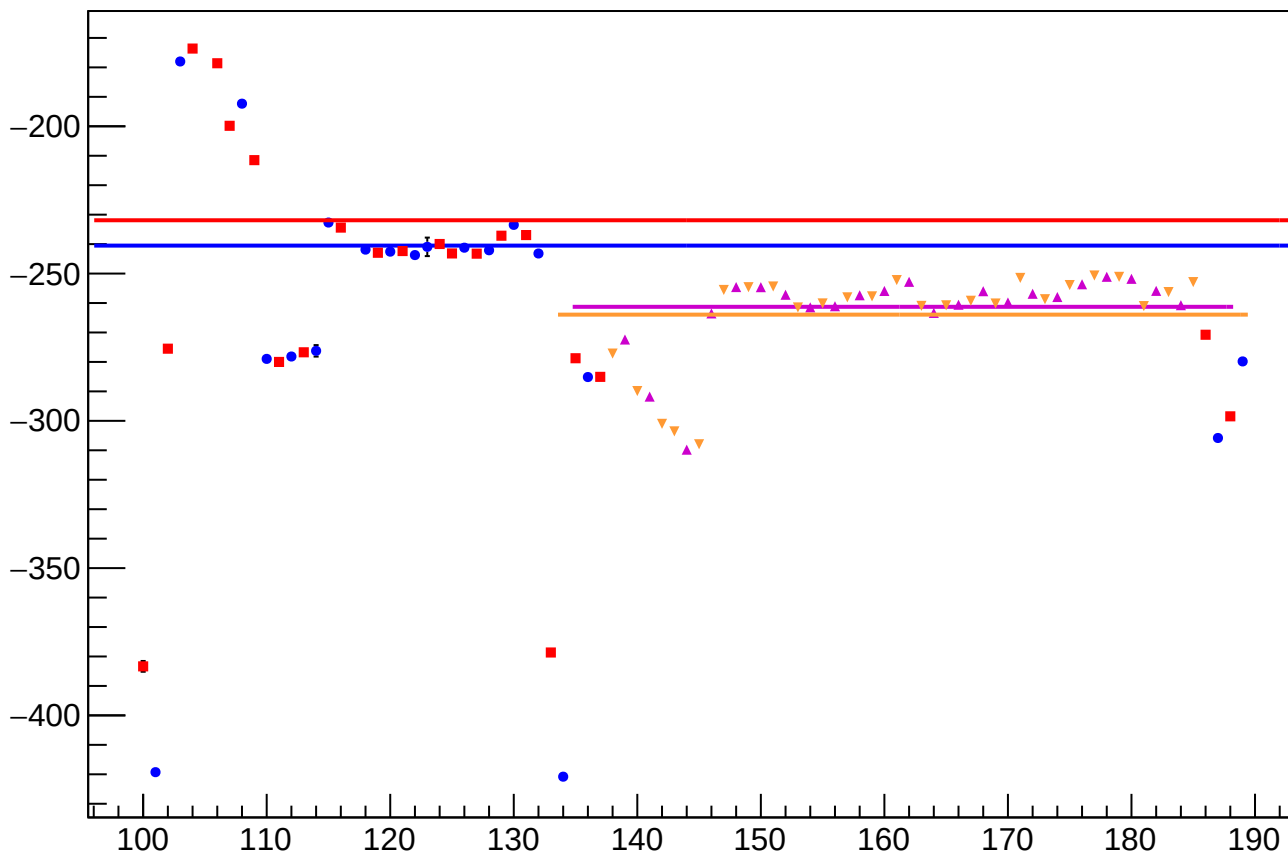
Right: 151.371 $\pm$ 2.126 χ^2 /NDF: 1634.7/39

In: 147.539 $\pm$ 1.530 χ^2 /NDF:1544.5/41

Out: 140.621 $\pm$ 1.462 χ^2 /NDF:1796.7/45

All: 143.923 $\pm$ 1.057 χ^2 /NDF: 3351.9/87

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -240.506+/-0.157 χ^2 /NDF: 171792.1/18

Left Out: -263.943+/-0.081 χ^2 /NDF: 39085.0/24

Right Out: -231.904+/-0.145 χ^2 /NDF: 118263.3/20

Left In: -261.286+/-0.082 χ^2 /NDF: 23348.4/22

Left: -262.627+/-0.058 χ^2 /NDF: 62963.4/47

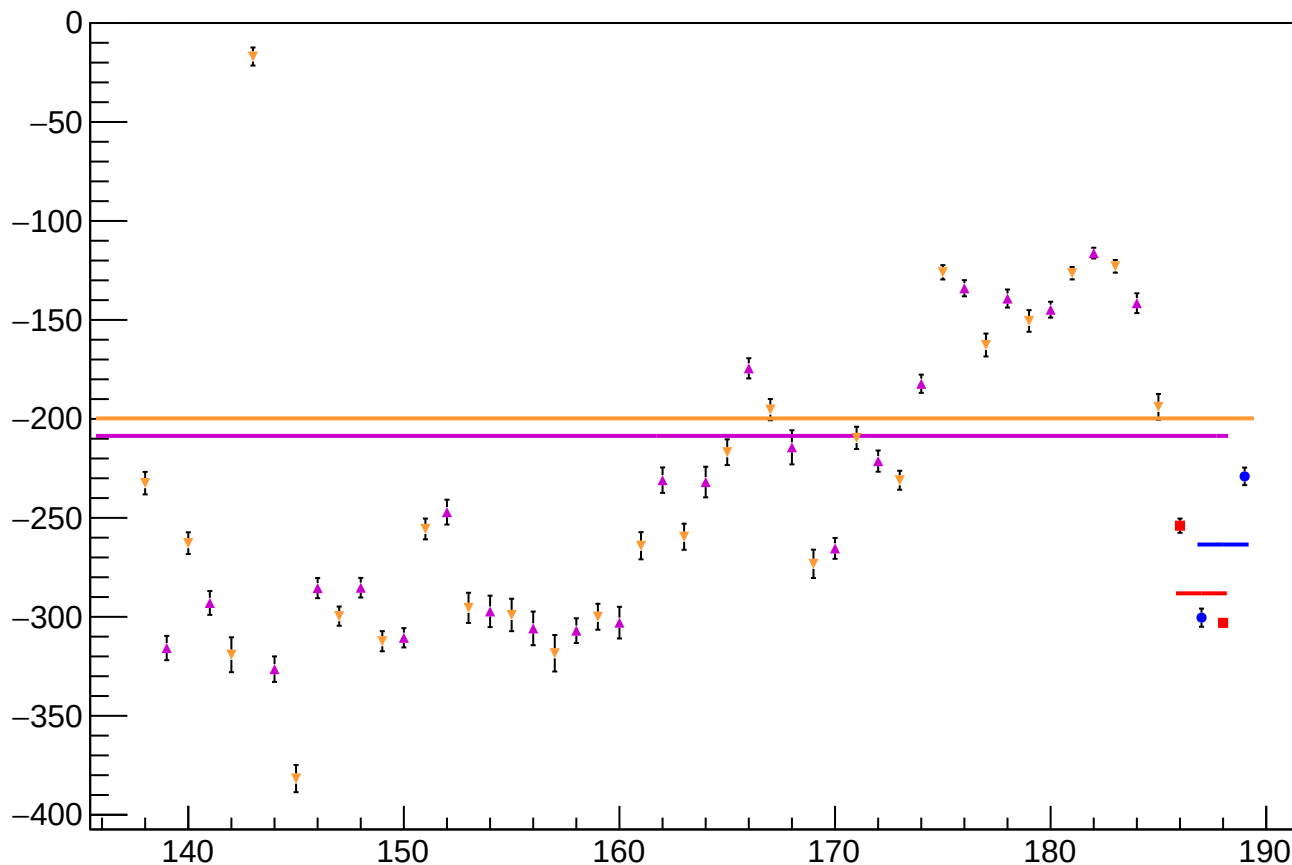
Right: -235.869+/-0.106 χ^2 /NDF: 291677.8/39

In: -256.826+/-0.073 χ^2 /NDF: 208934.7/41

Out: -256.287+/-0.071 χ^2 /NDF: 194508.8/45

All: -256.550+/-0.051 χ^2 /NDF: 403471.7/87

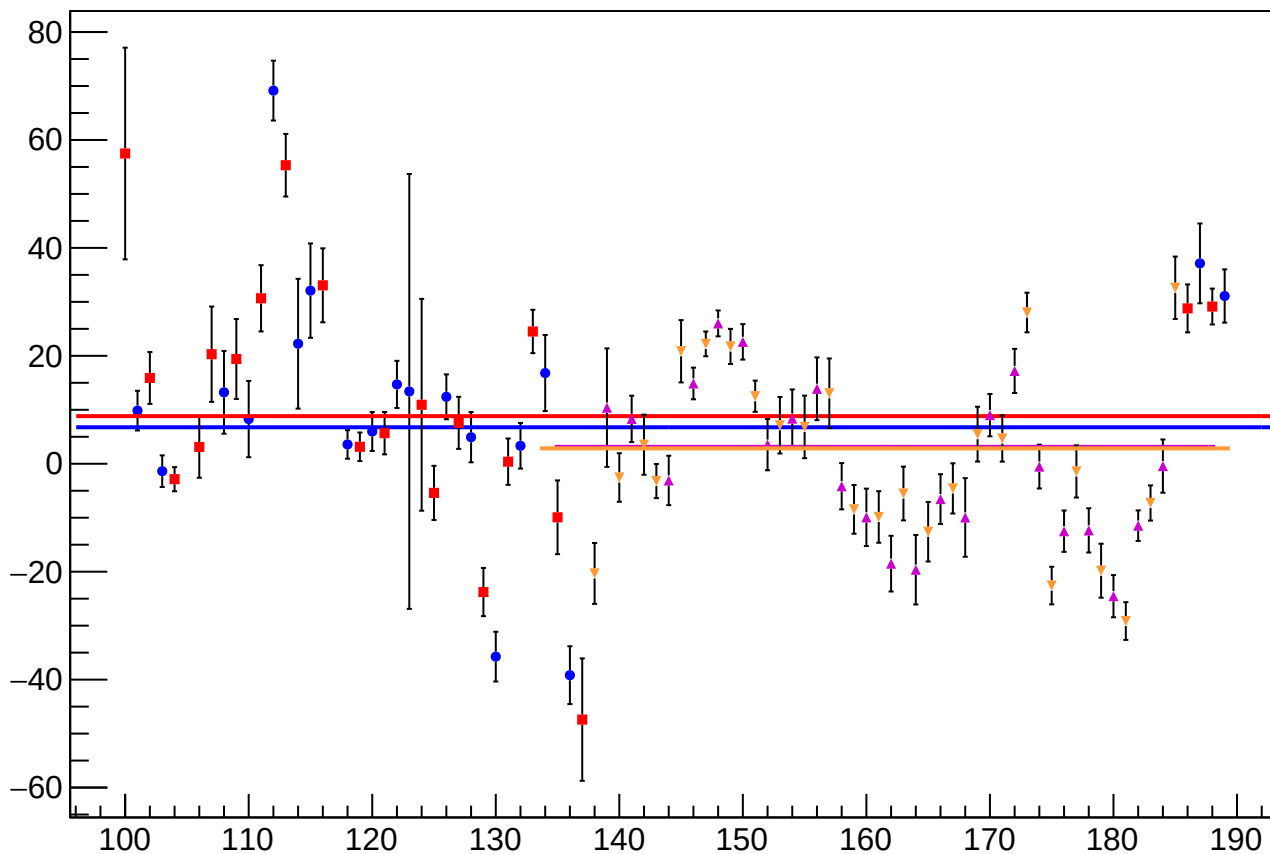
reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 4805.1/22$

Left: -204.073 ± 0.758 $\chi^2/\text{NDF}: 11200.6/47$
 Right: -281.277 ± 1.681 $\chi^2/\text{NDF}: 298.7/3$
 In: -214.248 ± 1.025 $\chi^2/\text{NDF}: 5195.9/24$
 Out: -219.495 ± 0.935 $\chi^2/\text{NDF}: 8042.5/26$
 All: -217.111 ± 0.691 $\chi^2/\text{NDF}: 13252.6/51$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.762 $\pm$ 1.069 χ^2 /NDF: 355.1/18

Left Out: 2.853 $\pm$ 0.820 χ^2 /NDF:419.8/24

Right Out: 8.824 $\pm$ 0.993 χ^2 /NDF: 305.2/20

Left In: 3.136 $\pm$ 0.857 χ^2 /NDF:319.8/22

Left: 2.988 $\pm$ 0.592 χ^2 /NDF: 739.7/47

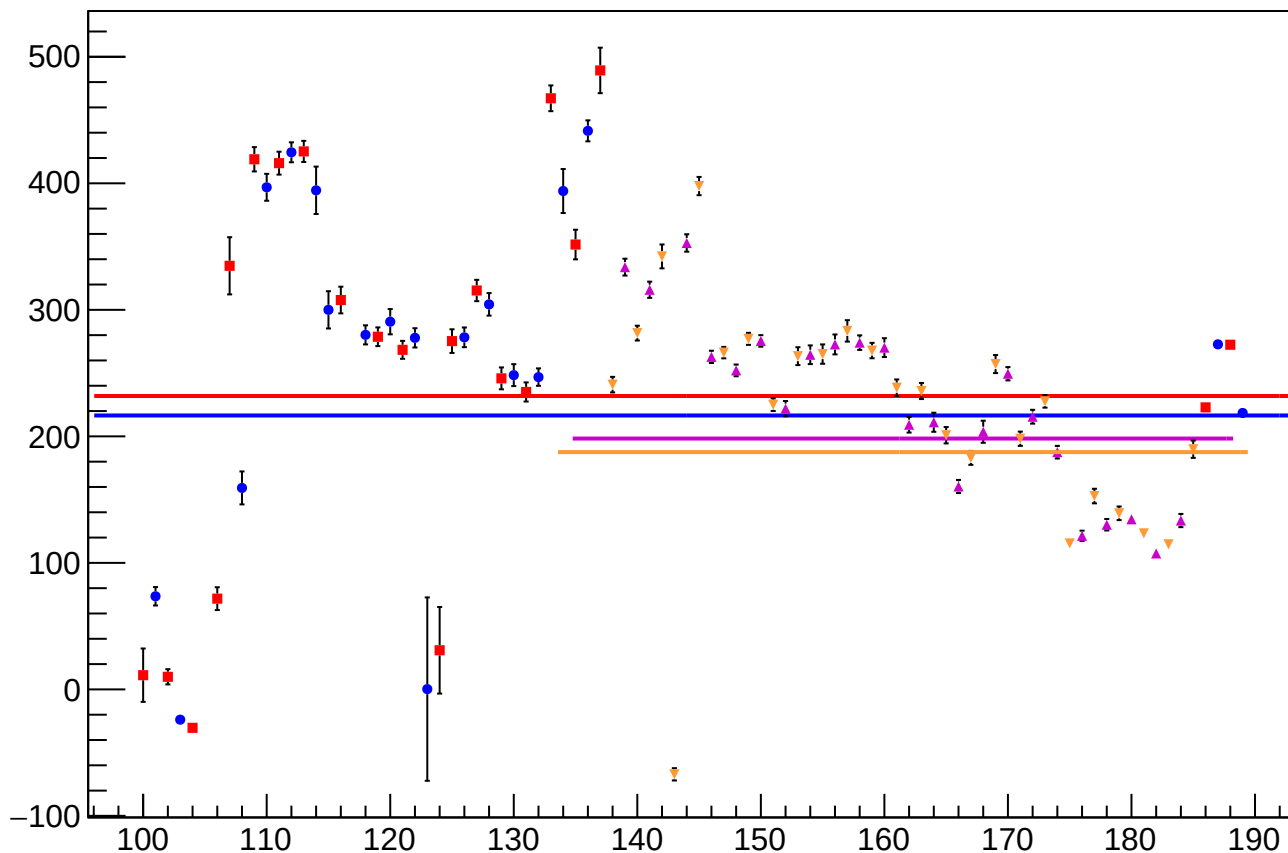
Right: 7.869 $\pm$ 0.727 χ^2 /NDF: 662.2/39

In: 4.554 $\pm$ 0.668 χ^2 /NDF:681.9/41

Out: 5.274 $\pm$ 0.632 χ^2 /NDF:746.5/45

All: 4.934 $\pm$ 0.459 χ^2 /NDF: 1429.0/87

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 216.500 $\pm$ 1.591 χ^2/NDF : 7006.1/18

Left Out: 187.565 $\pm$ 1.066 χ^2/NDF : 7082.0/24

Right Out: 231.904 $\pm$ 1.226 χ^2/NDF : 9077.2/20

Left In: 198.269 $\pm$ 1.082 χ^2/NDF : 4515.8/22

Left: 192.839 $\pm$ 0.759 χ^2/NDF : 11647.5/47

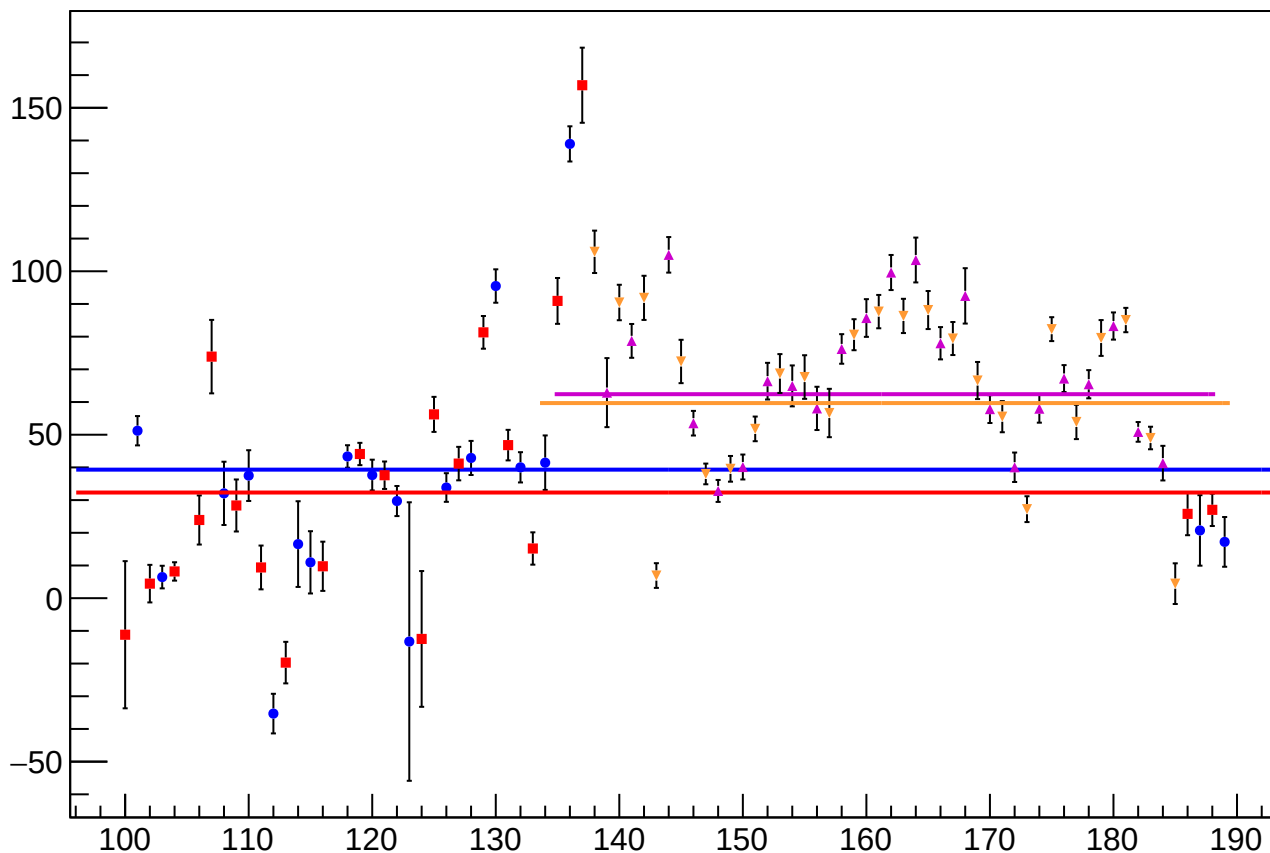
Right: 226.165 $\pm$ 0.971 χ^2/NDF : 16142.1/39

In: 204.032 $\pm$ 0.894 χ^2/NDF : 11611.7/41

Out: 206.657 $\pm$ 0.804 χ^2/NDF : 16904.4/45

All: 205.483 $\pm$ 0.598 χ^2/NDF : 28520.8/87

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 406.3/22$

Left: 60.993 ± 0.677 $\chi^2/\text{NDF}: 1167.9/47$

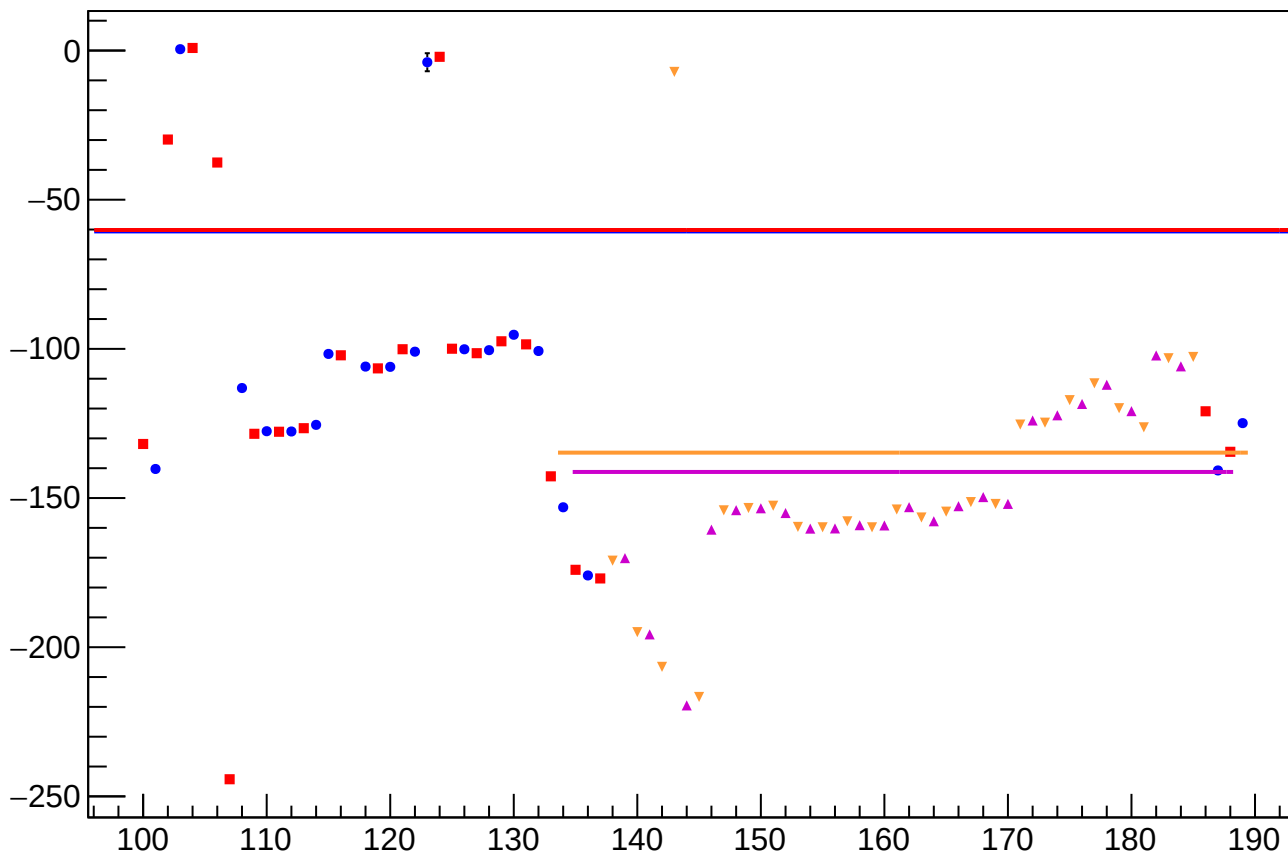
Right: 35.632 ± 0.866 $\chi^2/\text{NDF}: 1314.2/39$

In: 53.756 ± 0.770 $\chi^2/\text{NDF}: 1362.3/41$

Out: 49.198 ± 0.739 $\chi^2/\text{NDF}: 1633.9/45$

All: 51.382 ± 0.533 $\chi^2/\text{NDF}: 3014.5/87$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 347229.8/22$

Left: -137.961 ± 0.032 $\chi^2/\text{NDF}: 1162377.9/47$

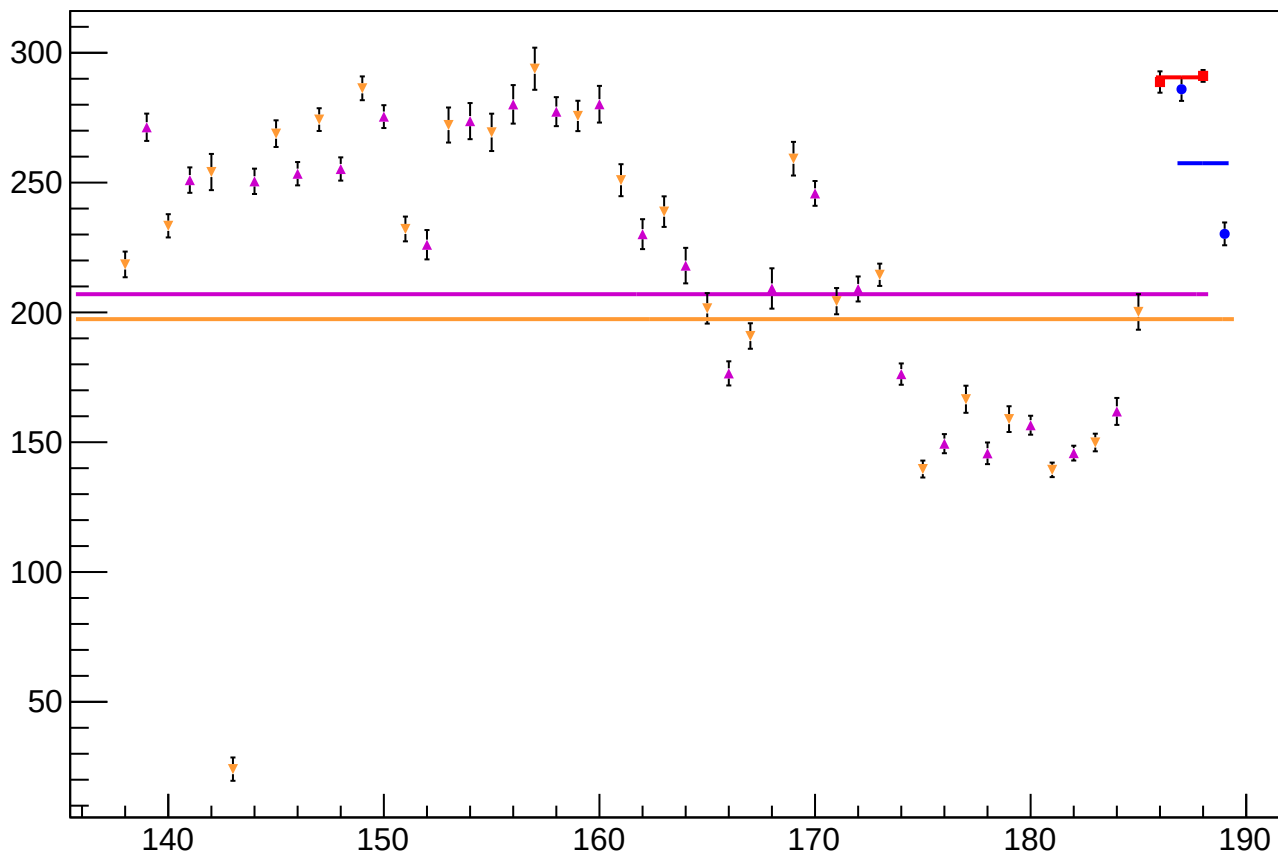
Right: -60.380 ± 0.042 $\chi^2/\text{NDF}: 2268612.2/39$

In: -112.340 ± 0.036 $\chi^2/\text{NDF}: 2638109.0/41$

Out: -107.197 ± 0.035 $\chi^2/\text{NDF}: 2958369.8/45$

All: -109.701 ± 0.025 $\chi^2/\text{NDF}: 5606794.9/87$

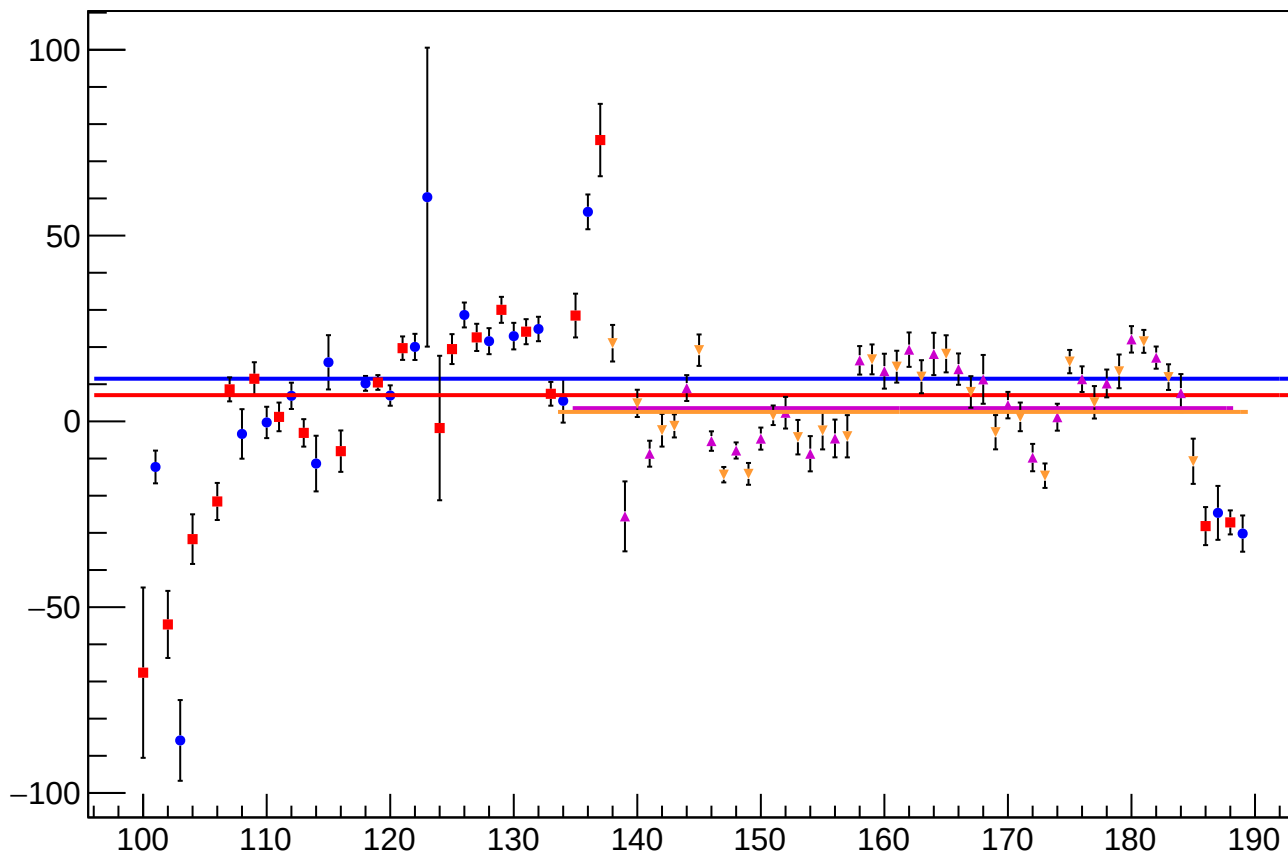
reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 202.077 $\pm$ 0.690 χ^2 /NDF: 7044.1/47
 Right: 281.059 $\pm$ 1.683 χ^2 /NDF: 157.7/3
 In: 211.568 $\pm$ 0.944 χ^2 /NDF:2924.3/24
 Out: 215.030 $\pm$ 0.867 χ^2 /NDF:6154.6/26
 All: 213.447 $\pm$ 0.639 χ^2 /NDF: 9086.2/51

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.481 ± 0.914 $\chi^2/\text{NDF}: 396.2/18$

Left Out: 2.548 ± 0.741 $\chi^2/\text{NDF}: 275.4/24$

Right Out: 7.061 ± 0.867 $\chi^2/\text{NDF}: 480.2/20$

Left In: 3.559 ± 0.774 $\chi^2/\text{NDF}: 192.0/22$

Left: 3.031 ± 0.535 $\chi^2/\text{NDF}: 468.3/47$

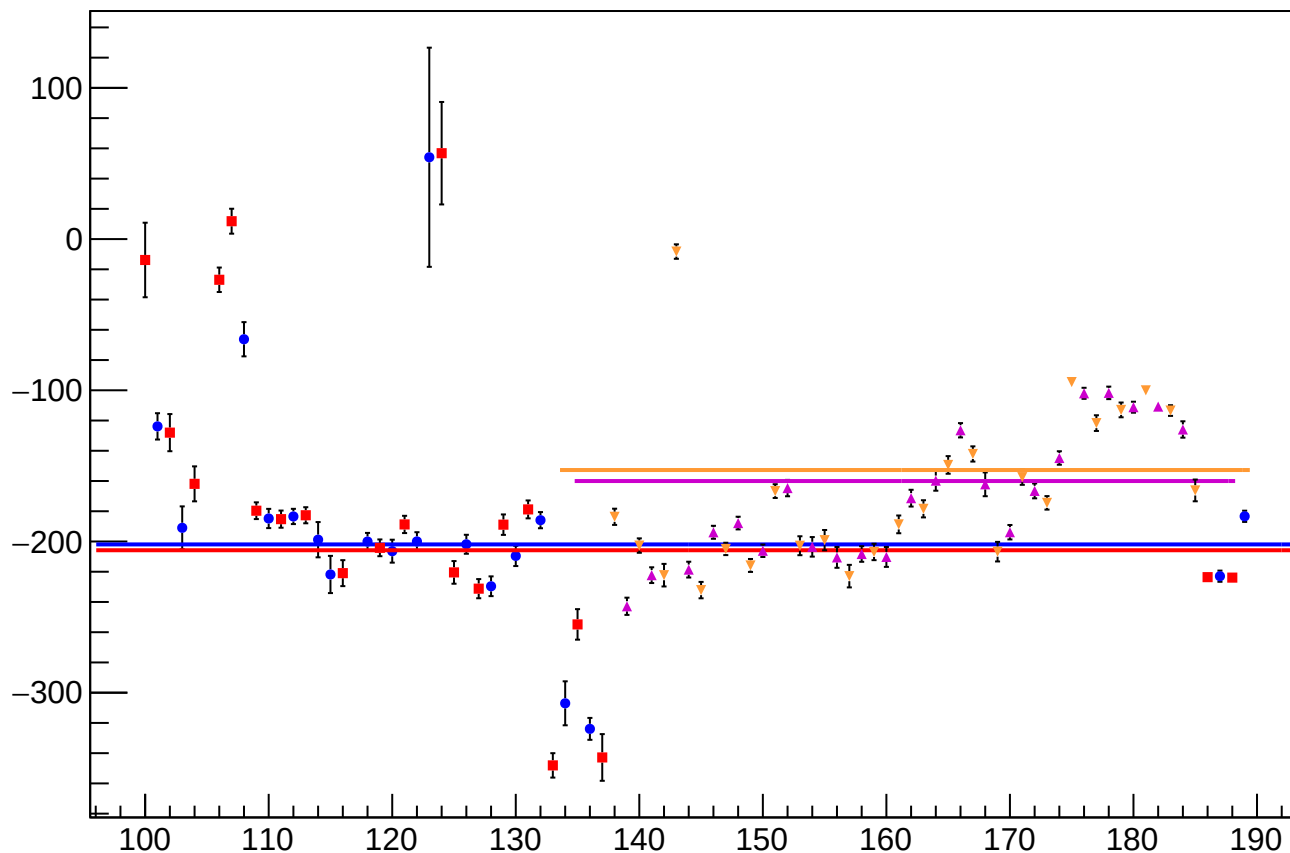
Right: 9.156 ± 0.629 $\chi^2/\text{NDF}: 888.8/39$

In: 6.868 ± 0.591 $\chi^2/\text{NDF}: 632.0/41$

Out: 4.451 ± 0.563 $\chi^2/\text{NDF}: 771.3/45$

All: 5.603 ± 0.408 $\chi^2/\text{NDF}: 1412.1/87$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.937 ± 1.484 χ^2/NDF : 682.4/18

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -205.794 ± 1.167 χ^2/NDF : 2013.9/20

Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

Left: -156.299 ± 0.691 χ^2/NDF : 5129.9/47

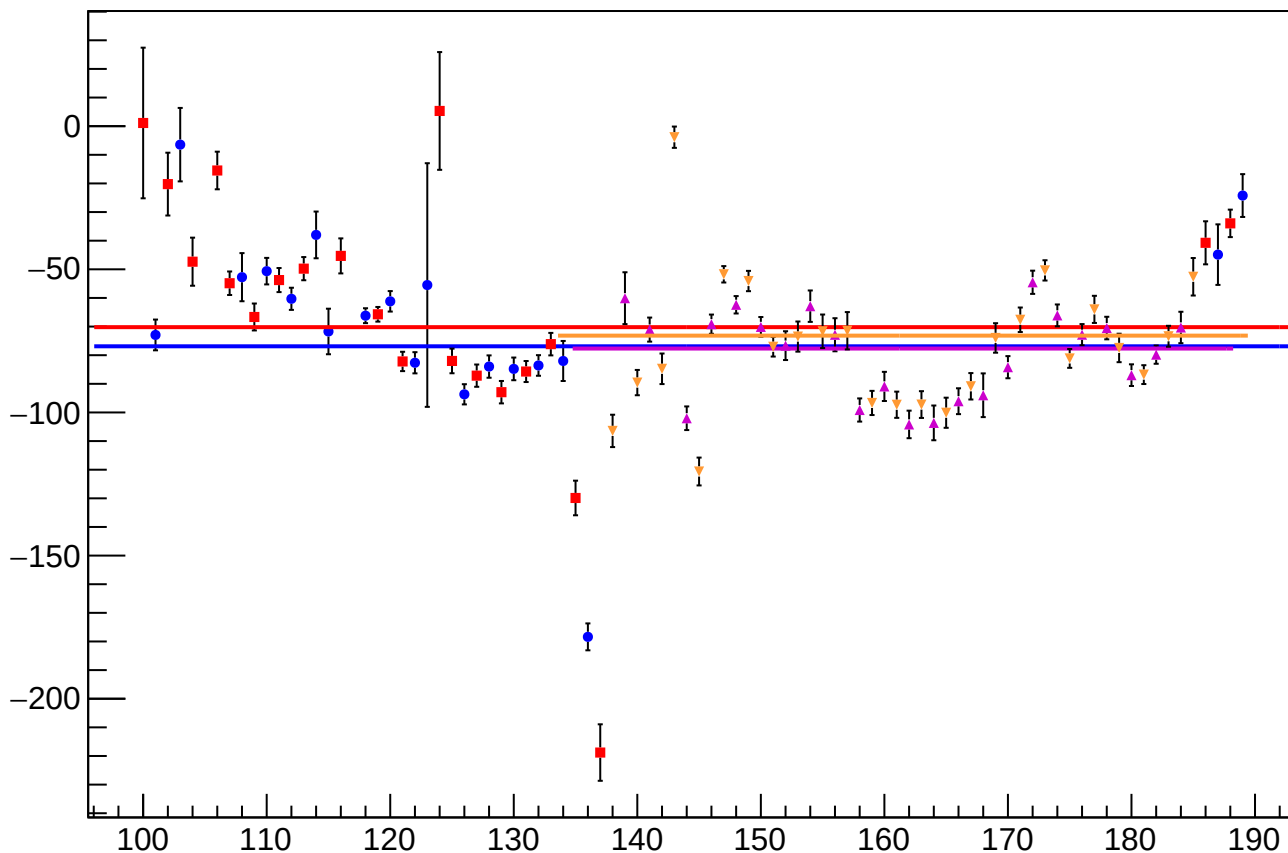
Right: -204.319 ± 0.917 χ^2/NDF : 2700.4/39

In: -172.912 ± 0.823 χ^2/NDF : 3259.5/41

Out: -174.330 ± 0.745 χ^2/NDF : 6316.9/45

All: -173.691 ± 0.552 χ^2/NDF : 9578.0/87

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -75.339 ± 0.613 χ^2/NDF : 1050.4/47

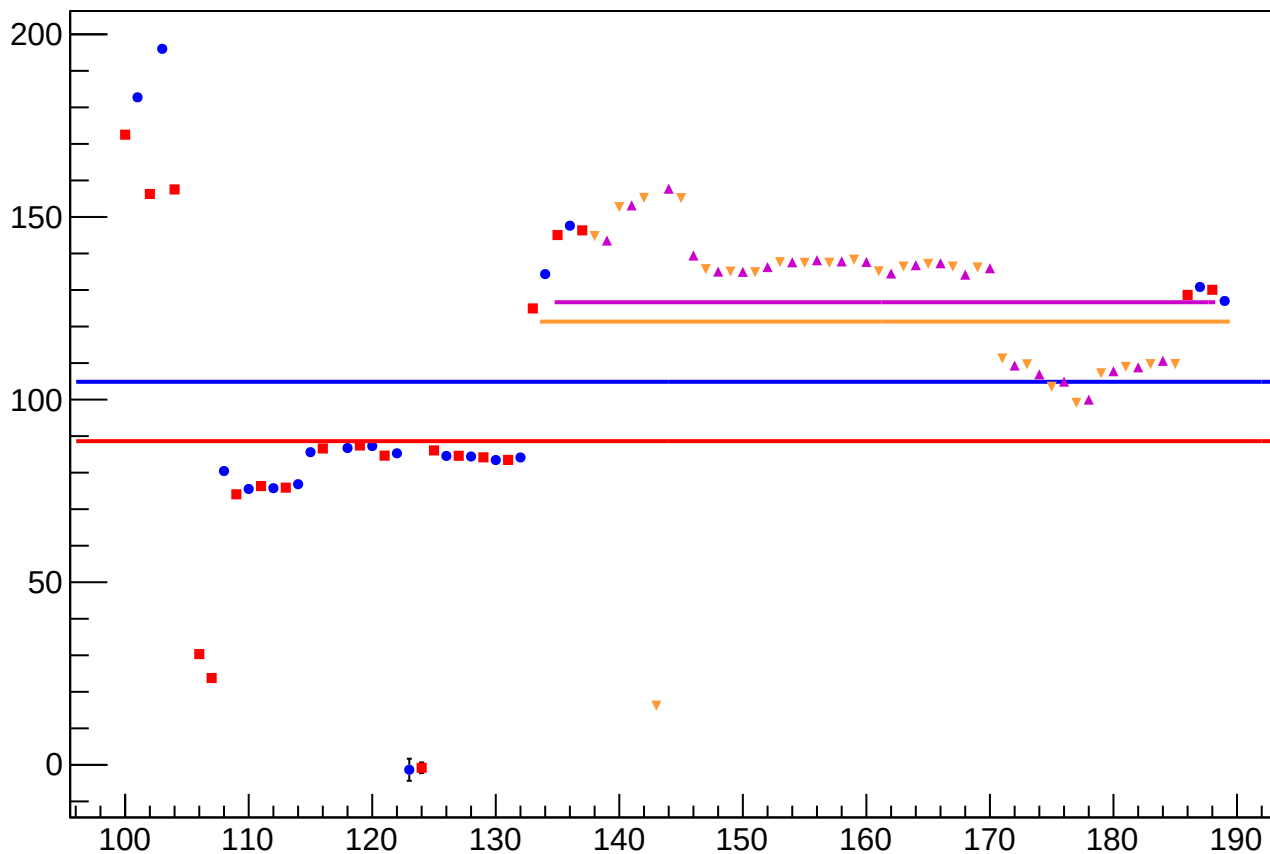
Right: -73.396 ± 0.737 χ^2/NDF : 1413.7/39

In: -77.358 ± 0.680 χ^2/NDF : 958.9/41

Out: -71.949 ± 0.653 χ^2/NDF : 1476.3/45

All: -74.545 ± 0.471 χ^2/NDF : 2468.2/87

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 104.873+/-0.069 χ^2/NDF : 279134.2/18

Left Out: 121.356+/-0.040 χ^2/NDF : 481977.3/24

Right Out: 88.621+/-0.061 χ^2/NDF : 461750.5/20

Left In: 126.653+/-0.041 χ^2/NDF : 163046.1/22

Left: 123.954+/-0.029 χ^2/NDF : 653496.6/47

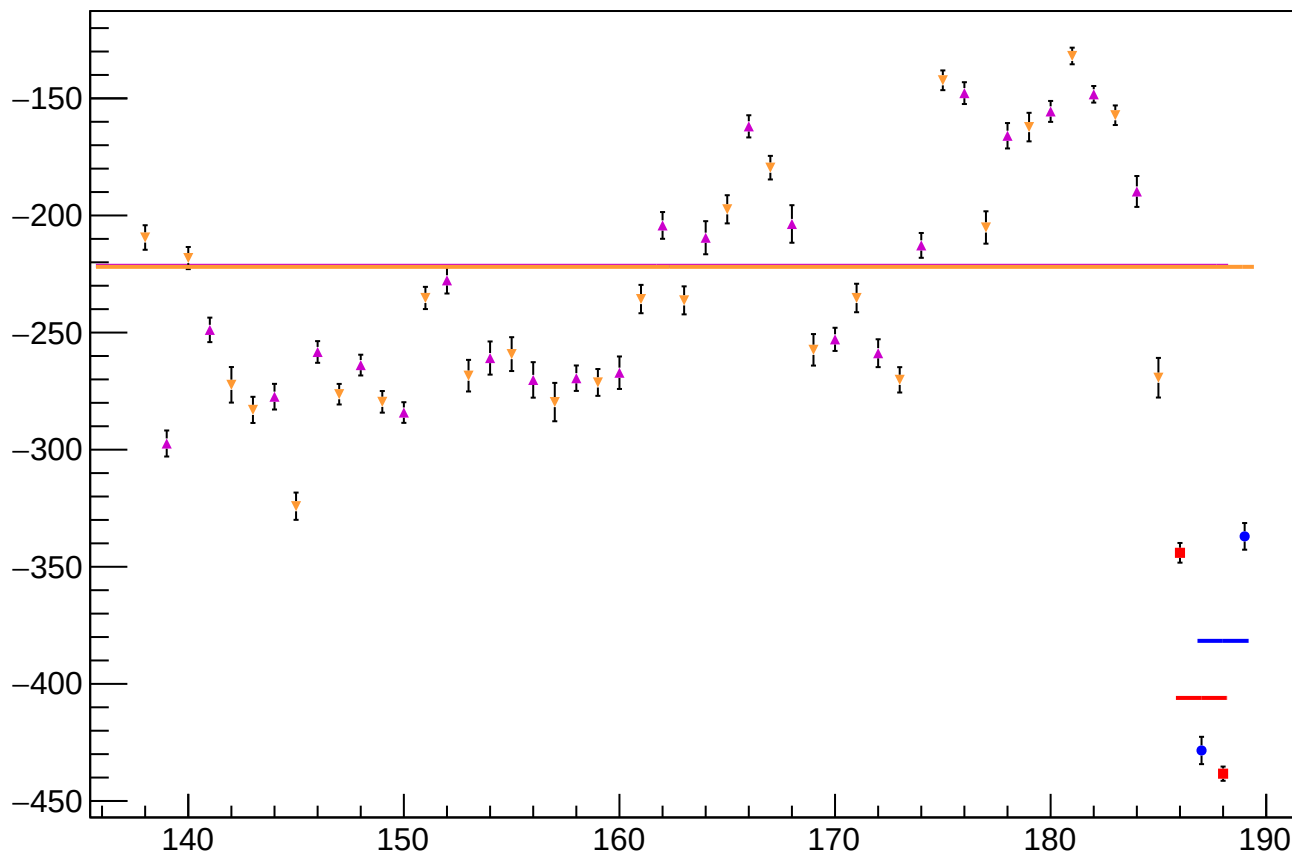
Right: 95.780+/-0.046 χ^2/NDF : 771925.4/39

In: 120.954+/-0.035 χ^2/NDF : 515748.3/41

Out: 111.459+/-0.034 χ^2/NDF : 1143172.5/45

All: 115.982+/-0.024 χ^2/NDF : 1696814.6/87

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -221.712+/-0.773 χ^2 /NDF: 4728.2/47

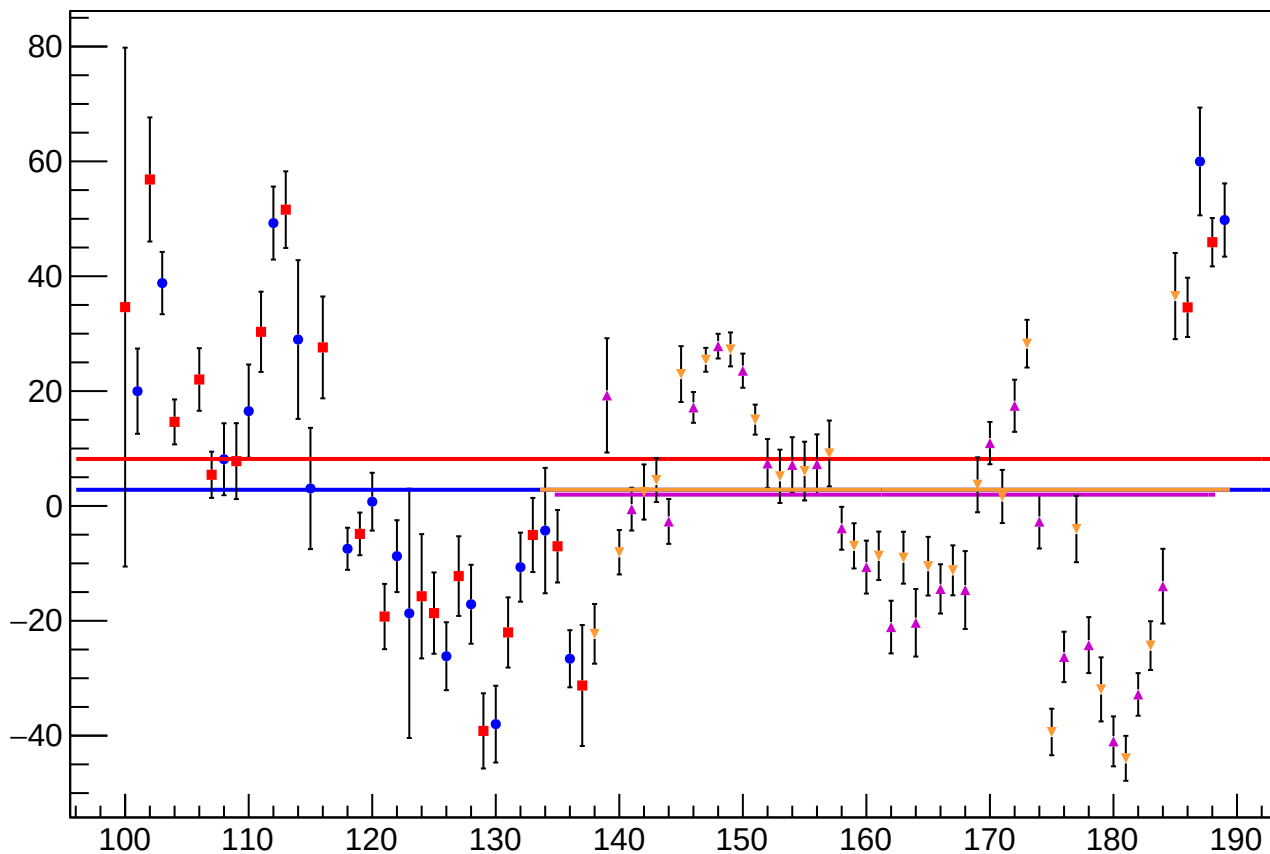
Right: -399.479+/-2.107 χ^2 /NDF: 482.6/3

In: -232.405+/-1.064 χ^2 /NDF:3715.3/24

Out: -251.842+/-0.992 χ^2 /NDF:7590.1/26

All: -242.799+/-0.726 χ^2 /NDF: 11483.9/51

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 589.1/22$

Left: 2.415 ± 0.580 $\chi^2/\text{NDF}: 1276.5/47$

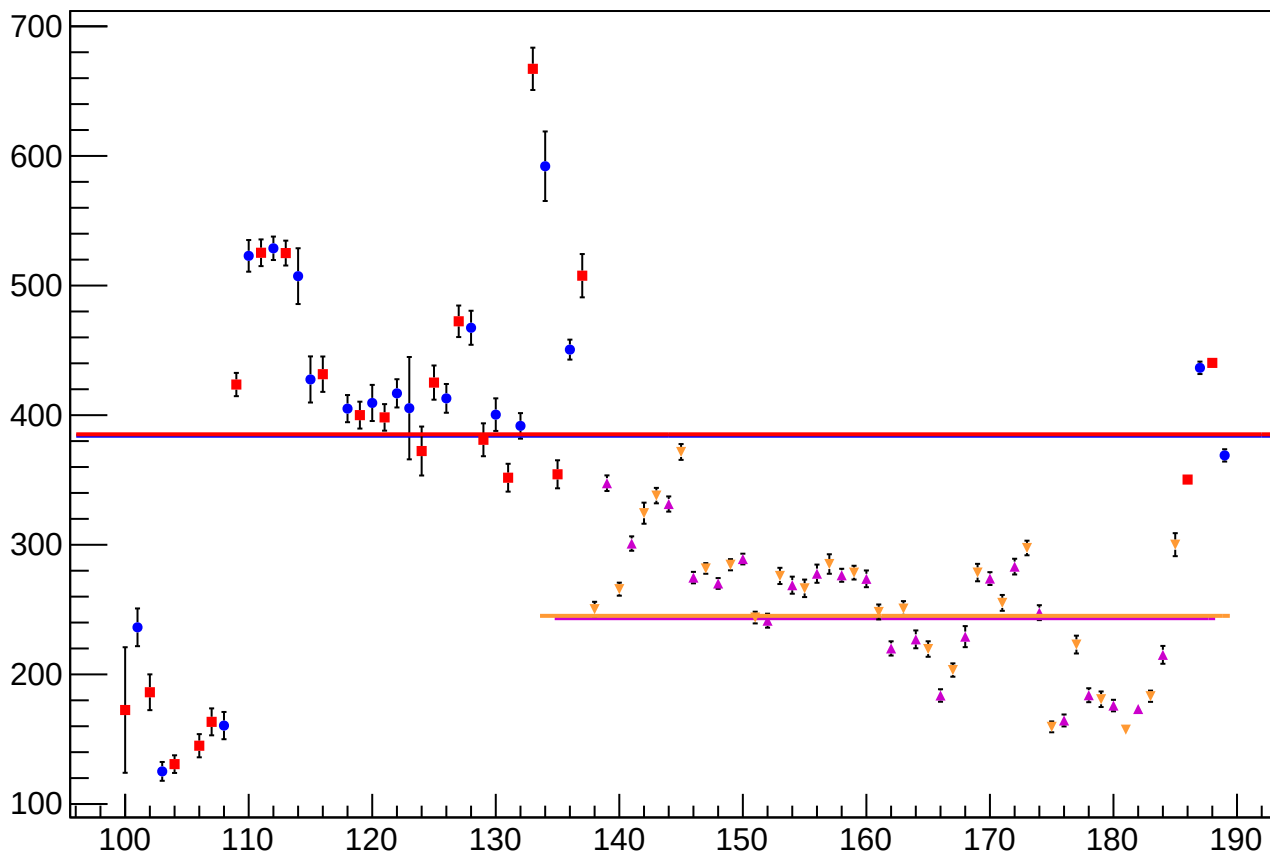
Right: 5.868 ± 0.971 $\chi^2/\text{NDF}: 689.5/39$

In: 2.174 ± 0.727 $\chi^2/\text{NDF}: 913.2/41$

Out: 4.342 ± 0.684 $\chi^2/\text{NDF}: 1057.5/45$

All: 3.324 ± 0.498 $\chi^2/\text{NDF}: 1975.4/87$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 384.145 $\pm$ 2.147 χ^2 /NDF: 2579.9/18

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF:2597.4/24

Right Out: 385.230 $\pm$ 1.564 χ^2 /NDF: 4279.5/20

Left In: 243.366 $\pm$ 1.094 χ^2 /NDF:2236.7/22

Left: 244.282 $\pm$ 0.769 χ^2 /NDF: 4835.5/47

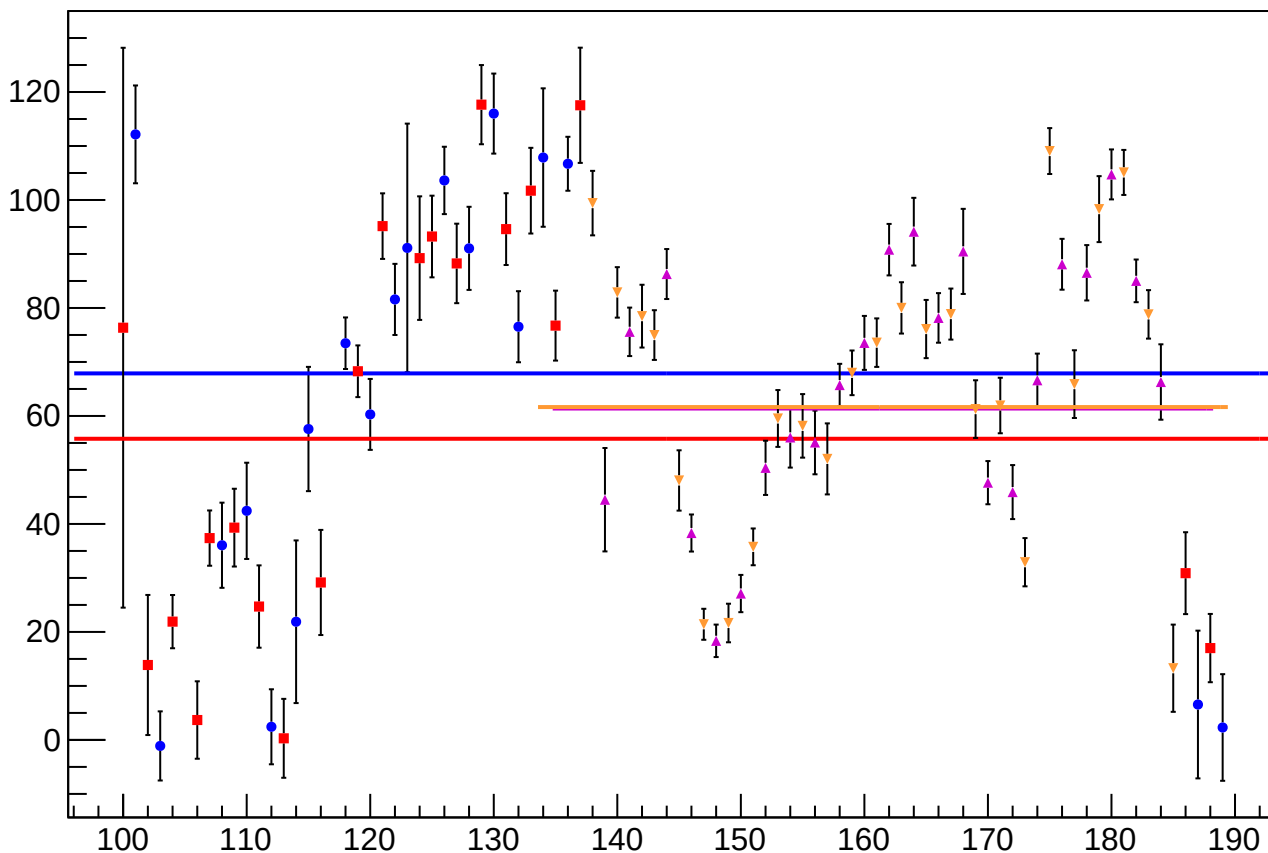
Right: 384.854 $\pm$ 1.264 χ^2 /NDF: 6859.6/39

In: 272.369 $\pm$ 0.974 χ^2 /NDF:8230.4/41

Out: 290.513 $\pm$ 0.890 χ^2 /NDF:12299.7/45

All: 282.263 $\pm$ 0.657 χ^2 /NDF: 20719.2/87

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 67.883 ± 1.726 $\chi^2/\text{NDF}: 491.4/18$

Left Out: 61.647 ± 0.936 $\chi^2/\text{NDF}: 871.5/24$

Right Out: 55.776 ± 1.548 $\chi^2/\text{NDF}: 543.0/20$

Left In: 61.375 ± 0.961 $\chi^2/\text{NDF}: 699.7/22$

Left: 61.515 ± 0.671 $\chi^2/\text{NDF}: 1571.3/47$

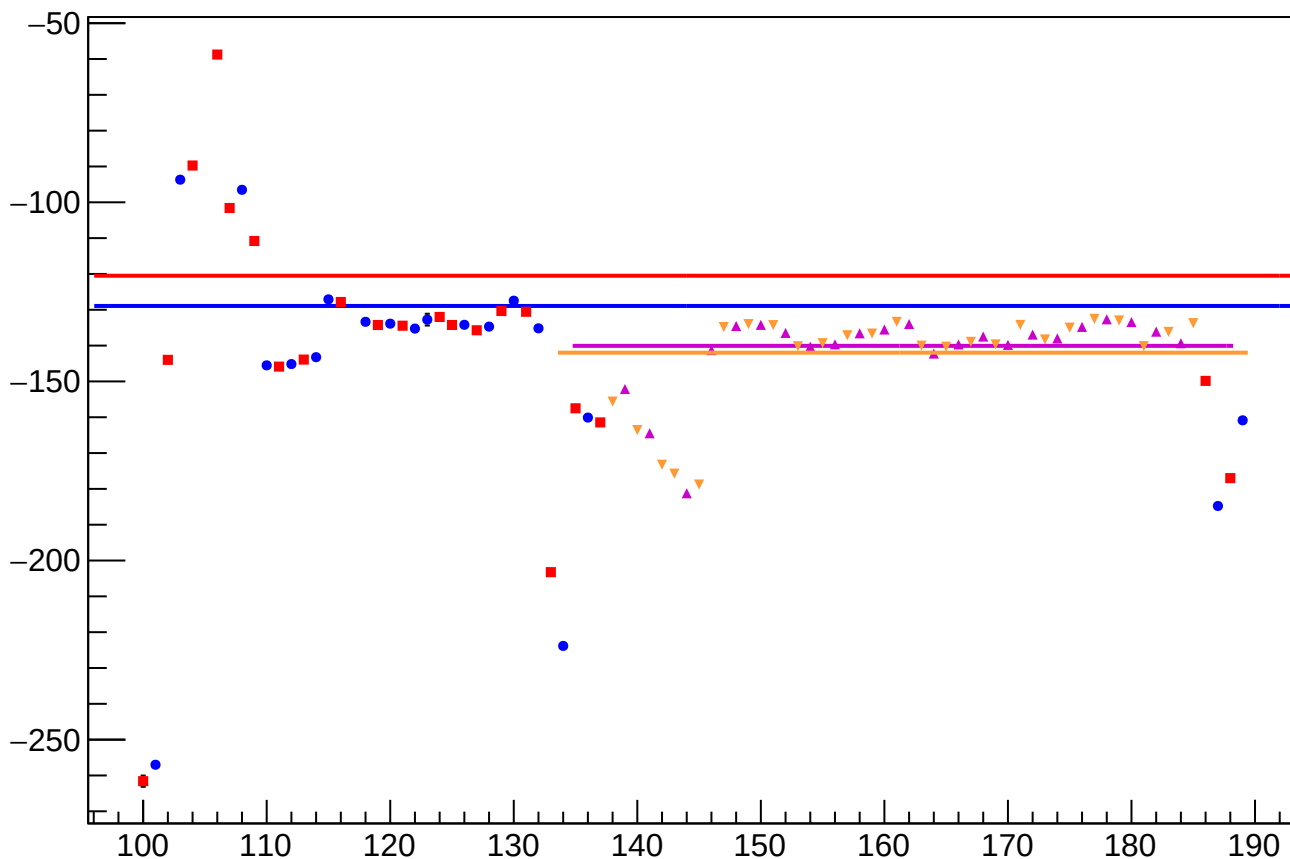
Right: 61.172 ± 1.153 $\chi^2/\text{NDF}: 1061.7/39$

In: 62.915 ± 0.840 $\chi^2/\text{NDF}: 1202.0/41$

Out: 60.075 ± 0.801 $\chi^2/\text{NDF}: 1425.1/45$

All: 61.428 ± 0.580 $\chi^2/\text{NDF}: 2633.0/87$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 48030.7/22$

Left: -141.025 ± 0.032 $\chi^2/\text{NDF}: 129181.1/47$

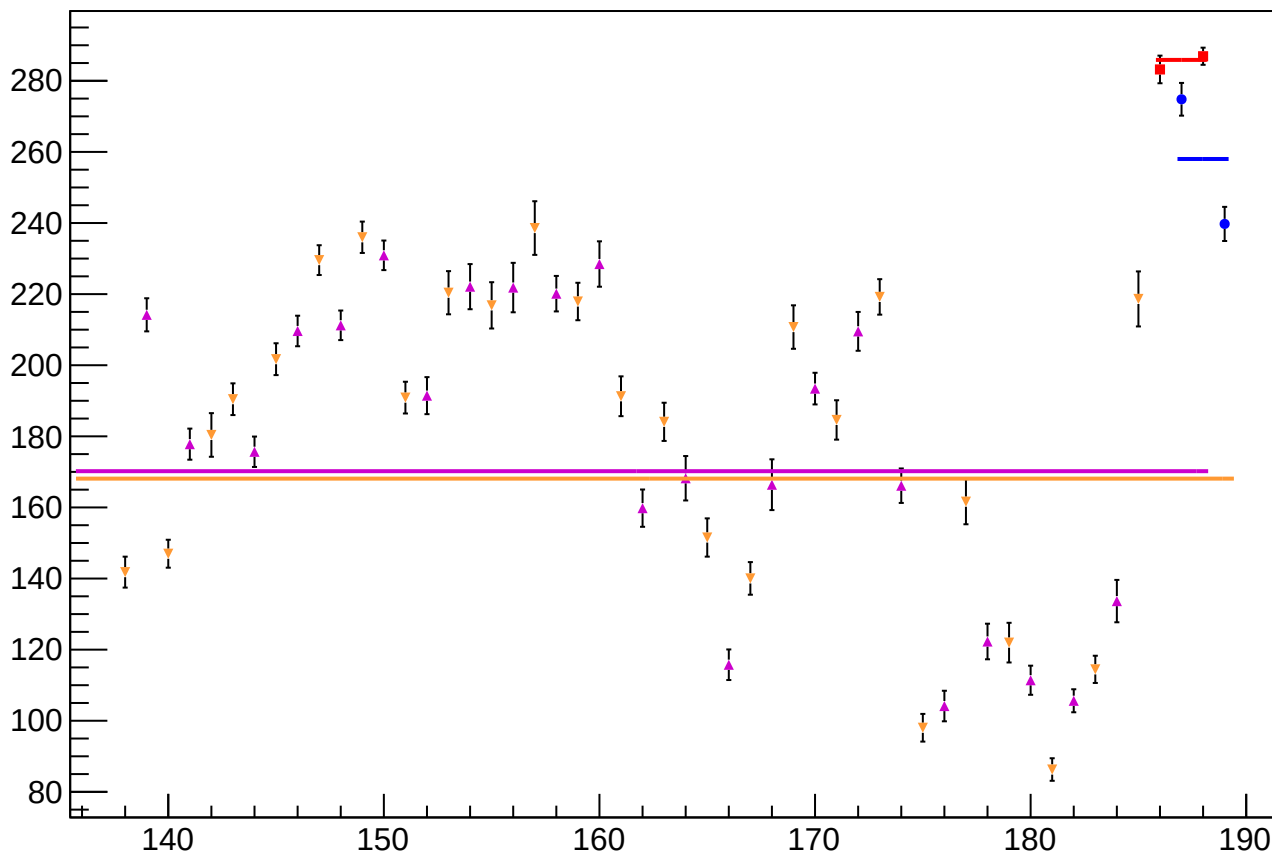
Right: -124.311 ± 0.059 $\chi^2/\text{NDF}: 383882.0/39$

In: -137.748 ± 0.040 $\chi^2/\text{NDF}: 237983.0/41$

Out: -136.829 ± 0.039 $\chi^2/\text{NDF}: 337100.6/45$

All: -137.276 ± 0.028 $\chi^2/\text{NDF}: 575353.9/87$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 258.011 $\pm$ 3.322 χ^2 /NDF: 27.8/1

Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF:2468.8/24

Right Out: 285.879 $\pm$ 2.048 χ^2 /NDF: 0.7/1

Left In: 170.198 $\pm$ 0.995 χ^2 /NDF:2024.5/22

Left: 169.125 $\pm$ 0.695 χ^2 /NDF: 4495.5/47

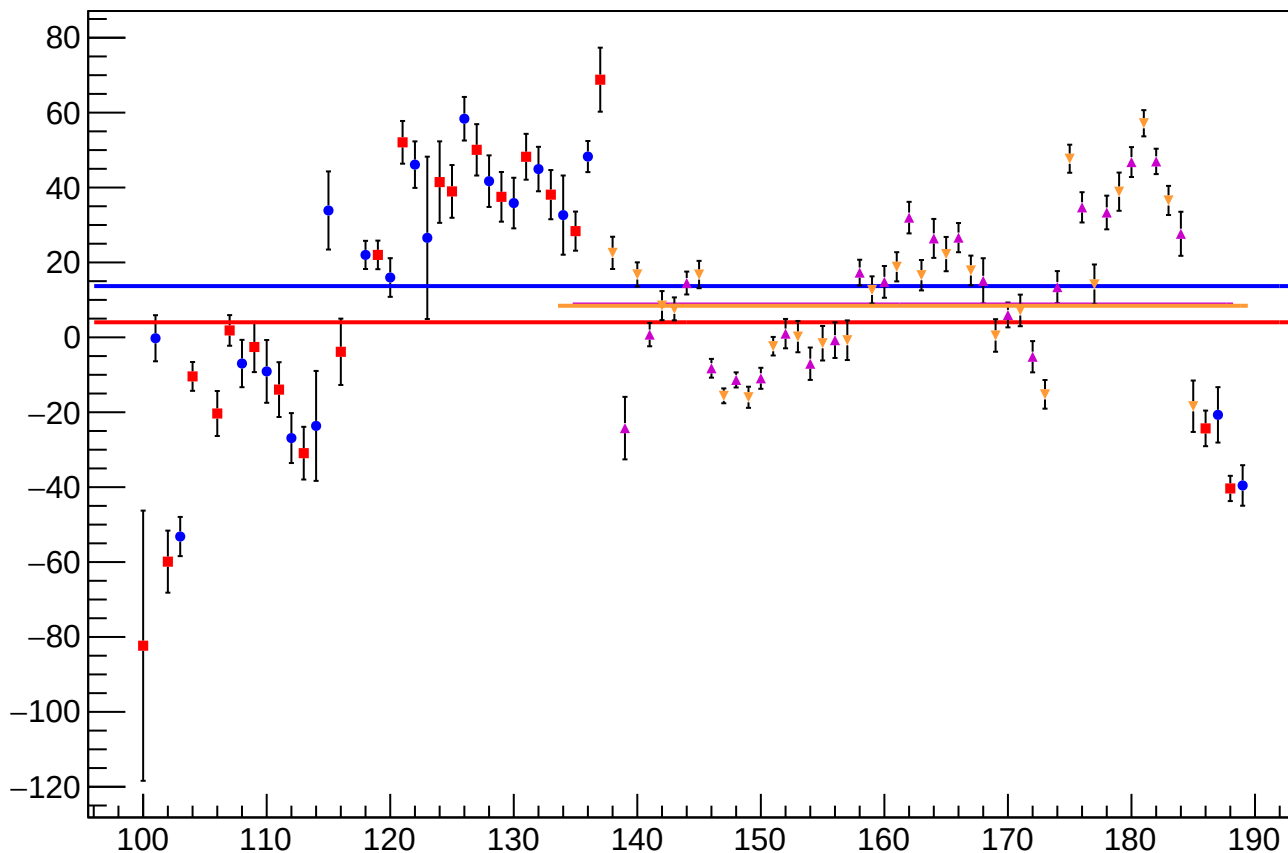
Right: 278.202 $\pm$ 1.744 χ^2 /NDF: 79.5/3

In: 177.433 $\pm$ 0.953 χ^2 /NDF:2693.6/24

Out: 189.687 $\pm$ 0.877 χ^2 /NDF:5169.5/26

All: 184.072 $\pm$ 0.645 χ^2 /NDF: 7952.5/51

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 626.8/22$

Left: 8.596 ± 0.525 $\chi^2/\text{NDF}: 1379.0/47$

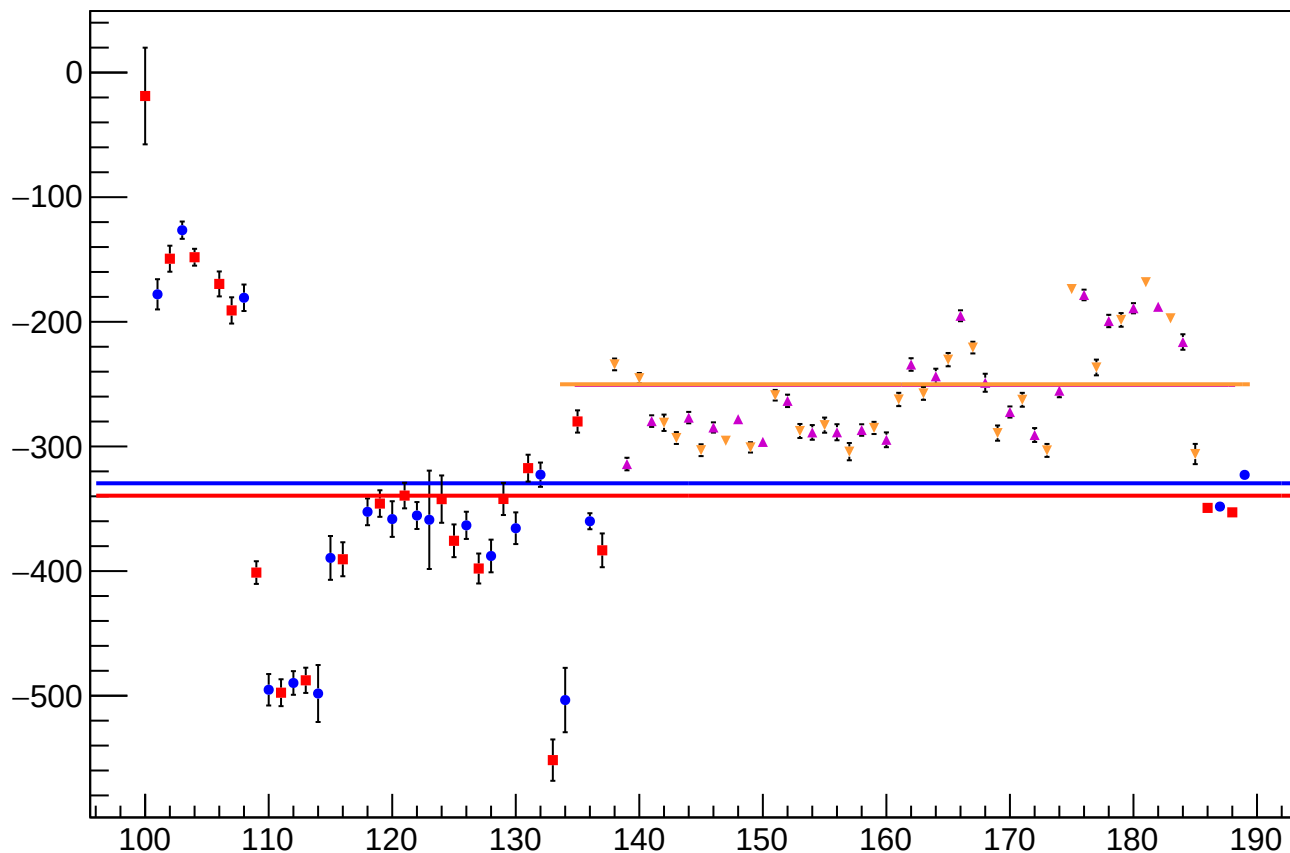
Right: 8.204 ± 0.935 $\chi^2/\text{NDF}: 1293.4/39$

In: 9.858 ± 0.669 $\chi^2/\text{NDF}: 1207.5/41$

Out: 7.307 ± 0.628 $\chi^2/\text{NDF}: 1457.3/45$

All: 8.502 ± 0.458 $\chi^2/\text{NDF}: 2672.5/87$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -329.558 ± 1.918 $\chi^2/\text{NDF}: 1879.7/18$

Left Out: -250.119 ± 0.972 $\chi^2/\text{NDF}: 2246.9/24$

Right Out: -339.494 ± 1.376 $\chi^2/\text{NDF}: 2490.7/20$

Left In: -250.628 ± 0.990 $\chi^2/\text{NDF}: 1937.1/22$

Left: -250.369 ± 0.694 $\chi^2/\text{NDF}: 4184.2/47$

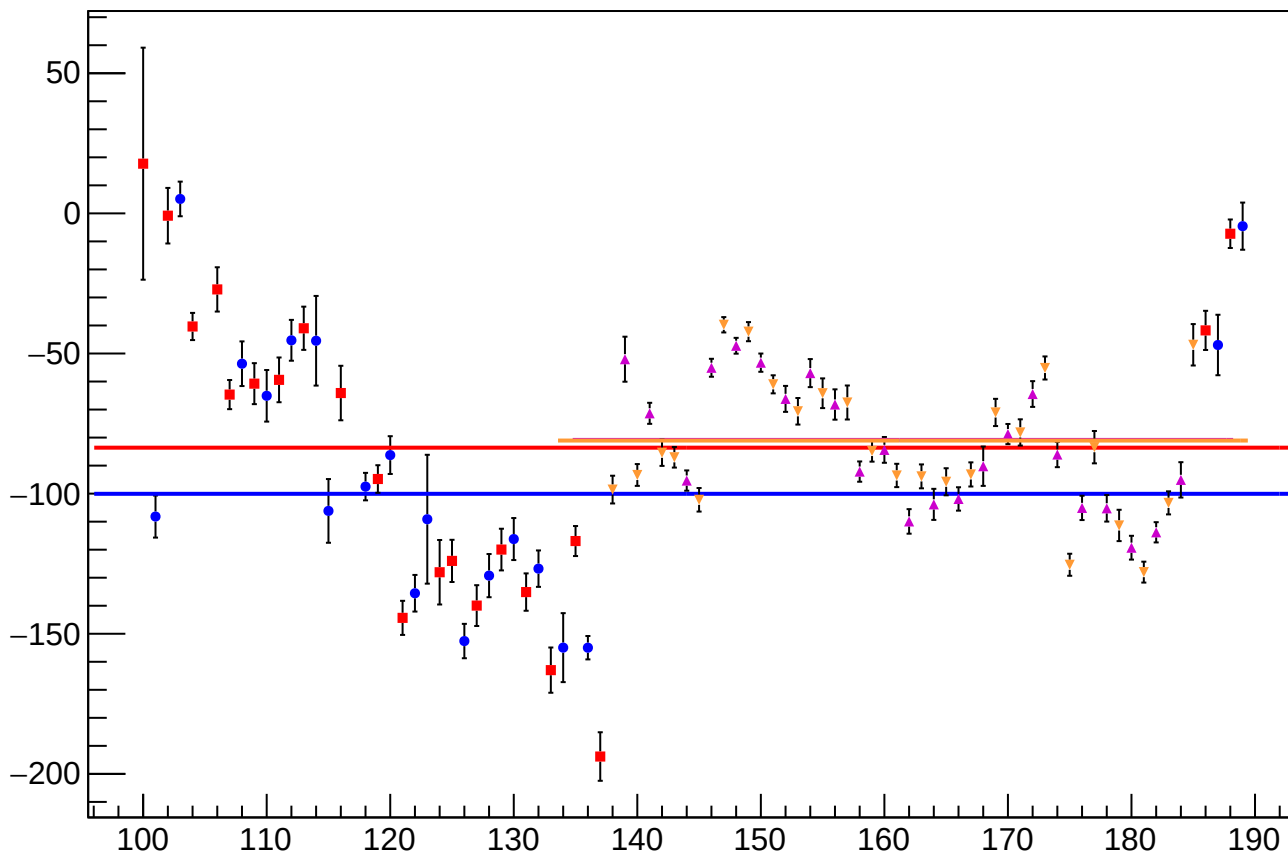
Right: -336.117 ± 1.118 $\chi^2/\text{NDF}: 4388.2/39$

In: -267.240 ± 0.880 $\chi^2/\text{NDF}: 5153.6/41$

Out: -279.876 ± 0.794 $\chi^2/\text{NDF}: 7550.9/45$

All: -274.205 ± 0.590 $\chi^2/\text{NDF}: 12818.1/87$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -80.949 ± 0.606 χ^2/NDF : 1606.2/47

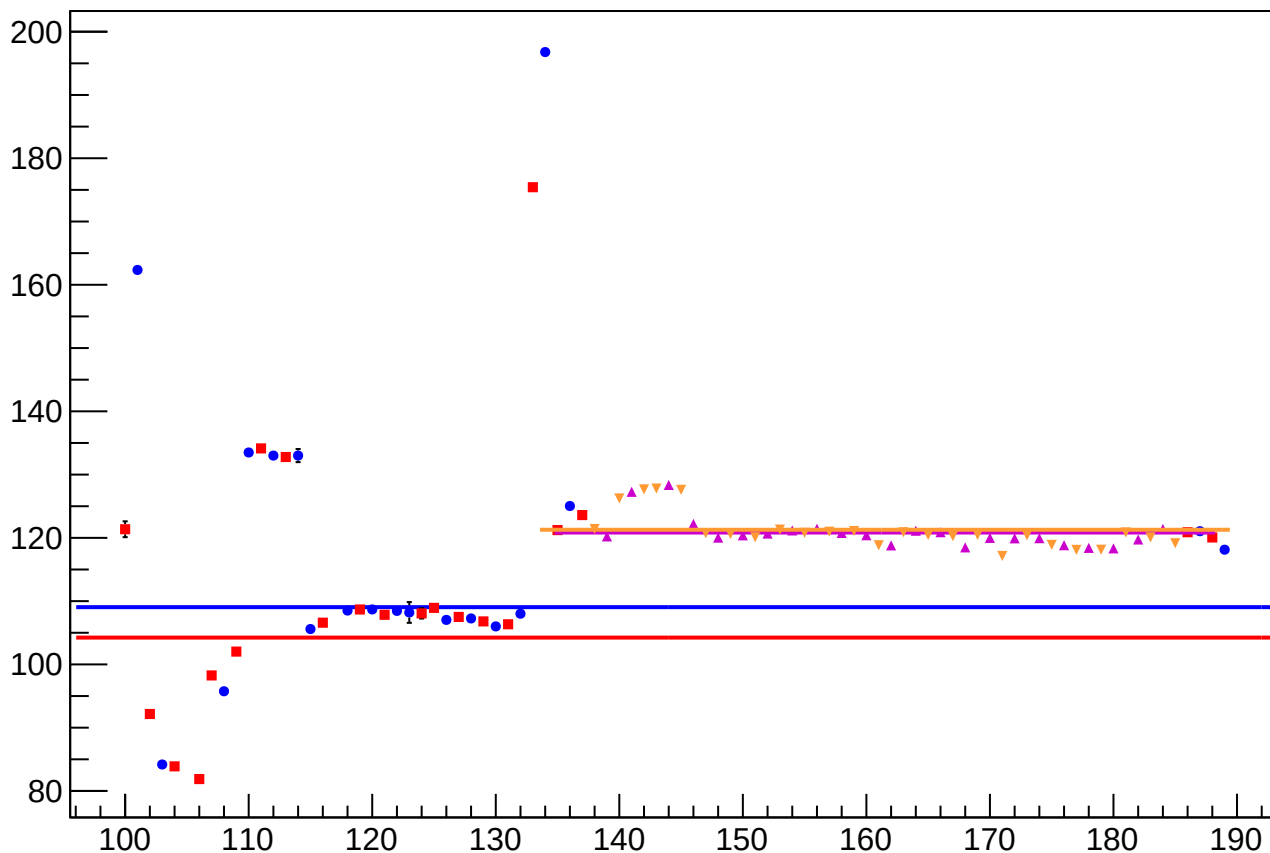
Right: -91.002 ± 1.114 χ^2/NDF : 2075.2/39

In: -84.988 ± 0.772 χ^2/NDF : 1695.5/41

Out: -81.667 ± 0.735 χ^2/NDF : 2039.0/45

All: -83.246 ± 0.532 χ^2/NDF : 3744.2/87

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 121.066 $\pm$ 0.029 χ^2 /NDF: 8366.9/47

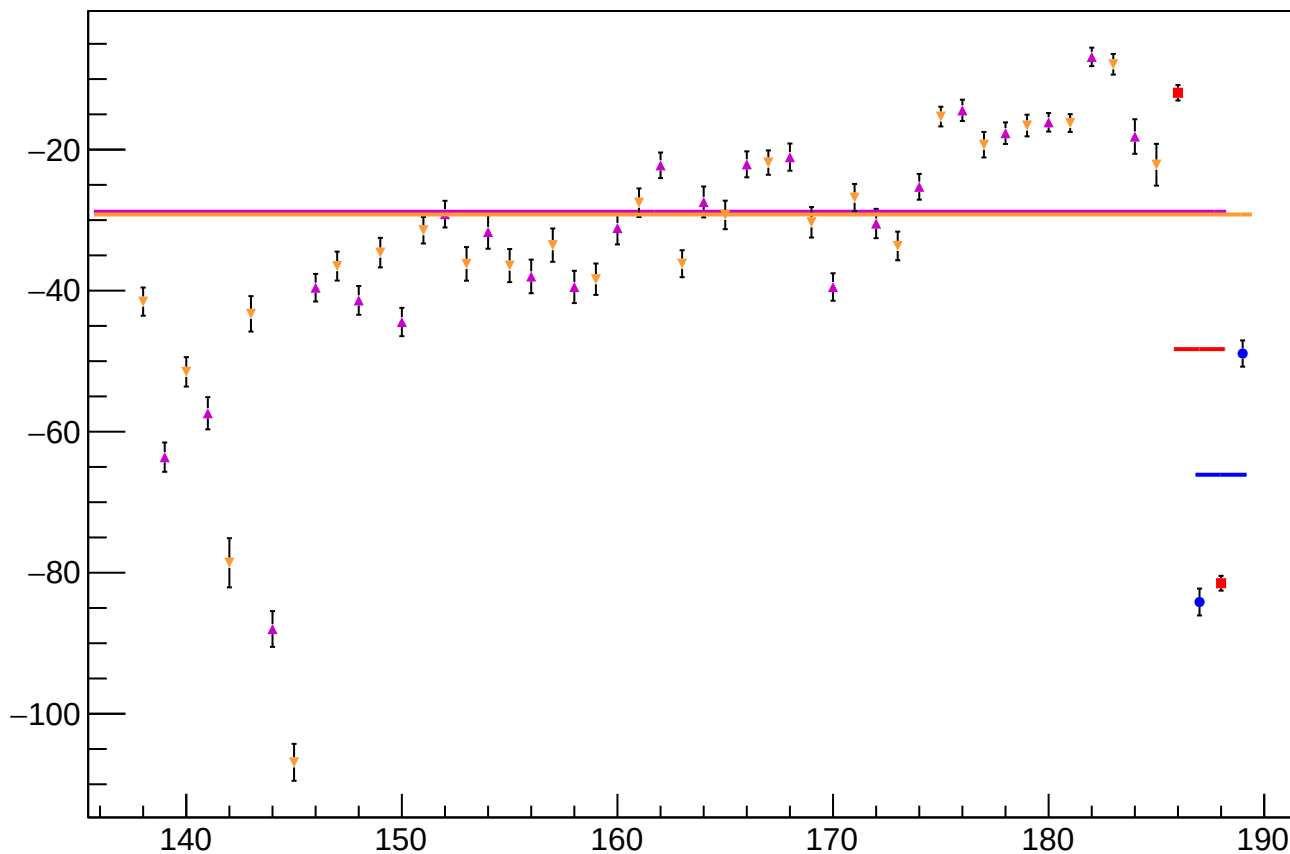
Right: 106.429 $\pm$ 0.056 χ^2 /NDF: 133816.5/39

In: 118.541 $\pm$ 0.037 χ^2 /NDF: 93917.0/41

Out: 117.542 $\pm$ 0.035 χ^2 /NDF: 102407.8/45

All: 118.027 $\pm$ 0.025 χ^2 /NDF: 196710.7/87

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected

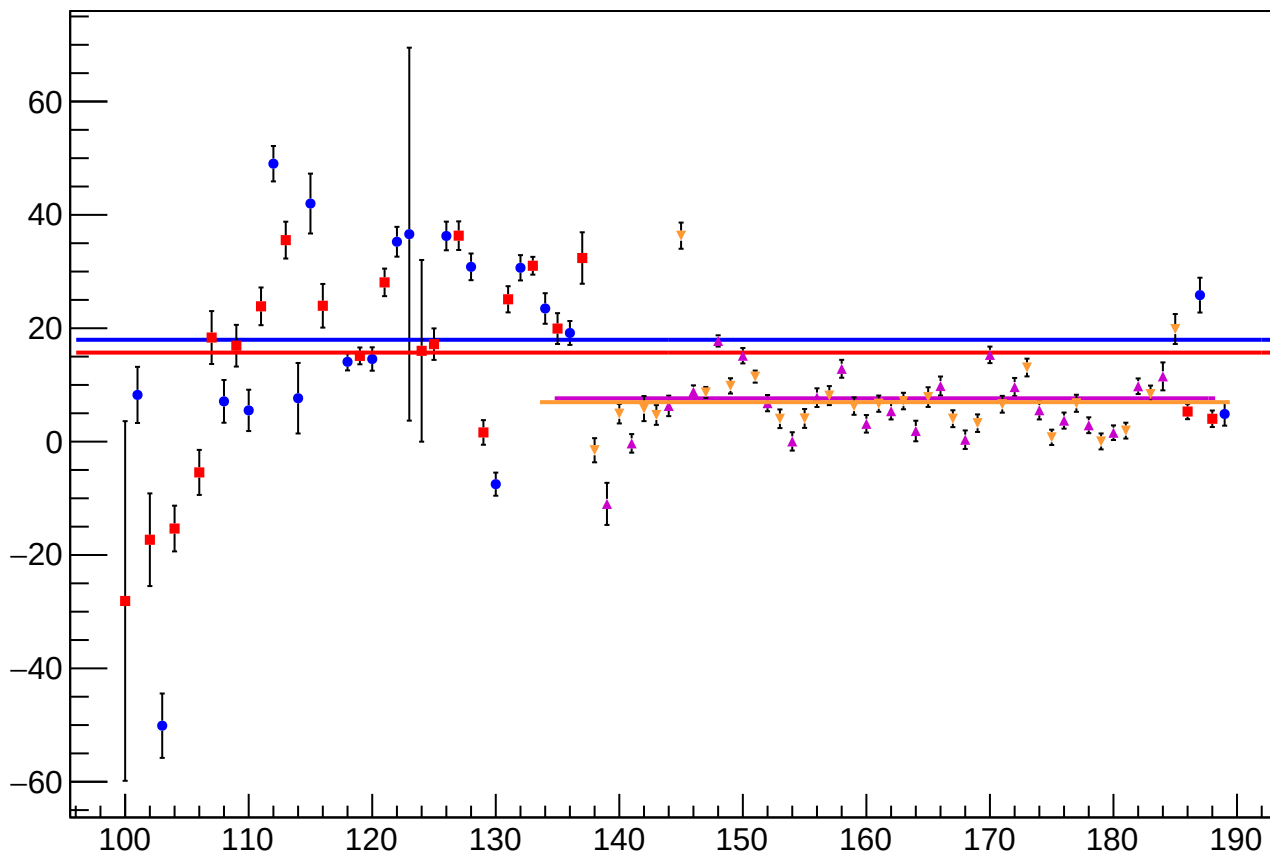


Right In: -66.105 ± 1.331 $\chi^2/\text{NDF}: 175.1/1$
 Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$
 Right Out: -48.292 ± 0.759 $\chi^2/\text{NDF}: 2097.3/1$
 Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

Left: -29.008 ± 0.277 $\chi^2/\text{NDF}: 3645.8/47$
 Right: -52.660 ± 0.659 $\chi^2/\text{NDF}: 2407.6/3$
 In: -31.833 ± 0.379 $\chi^2/\text{NDF}: 2660.4/24$
 Out: -33.167 ± 0.346 $\chi^2/\text{NDF}: 4480.6/26$

All: -32.561 ± 0.255 $\chi^2/\text{NDF}: 7147.8/51$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.965 $\pm$ 0.611 χ^2 /NDF: 665.2/18

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF:321.3/24

Right Out: 15.704 $\pm$ 0.539 χ^2 /NDF: 540.8/20

Left In: 7.638 $\pm$ 0.313 χ^2 /NDF:337.7/22

Left: 7.287 $\pm$ 0.218 χ^2 /NDF: 661.5/47

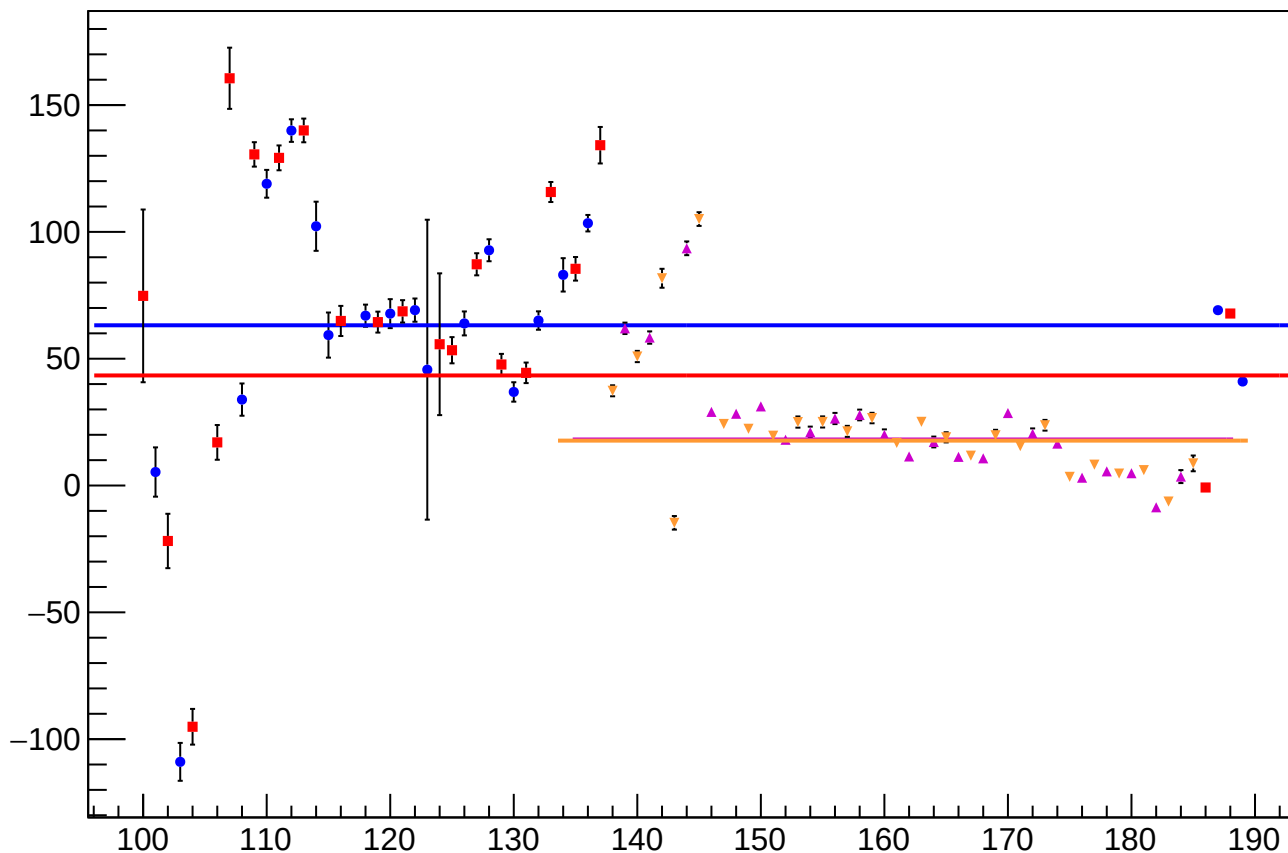
Right: 16.694 $\pm$ 0.404 χ^2 /NDF: 1213.6/39

In: 9.791 $\pm$ 0.279 χ^2 /NDF:1229.0/41

Out: 9.058 $\pm$ 0.264 χ^2 /NDF:1062.0/45

All: 9.404 $\pm$ 0.192 χ^2 /NDF: 2294.6/87

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 17.924+/-0.276 χ^2/NDF : 4772.2/47

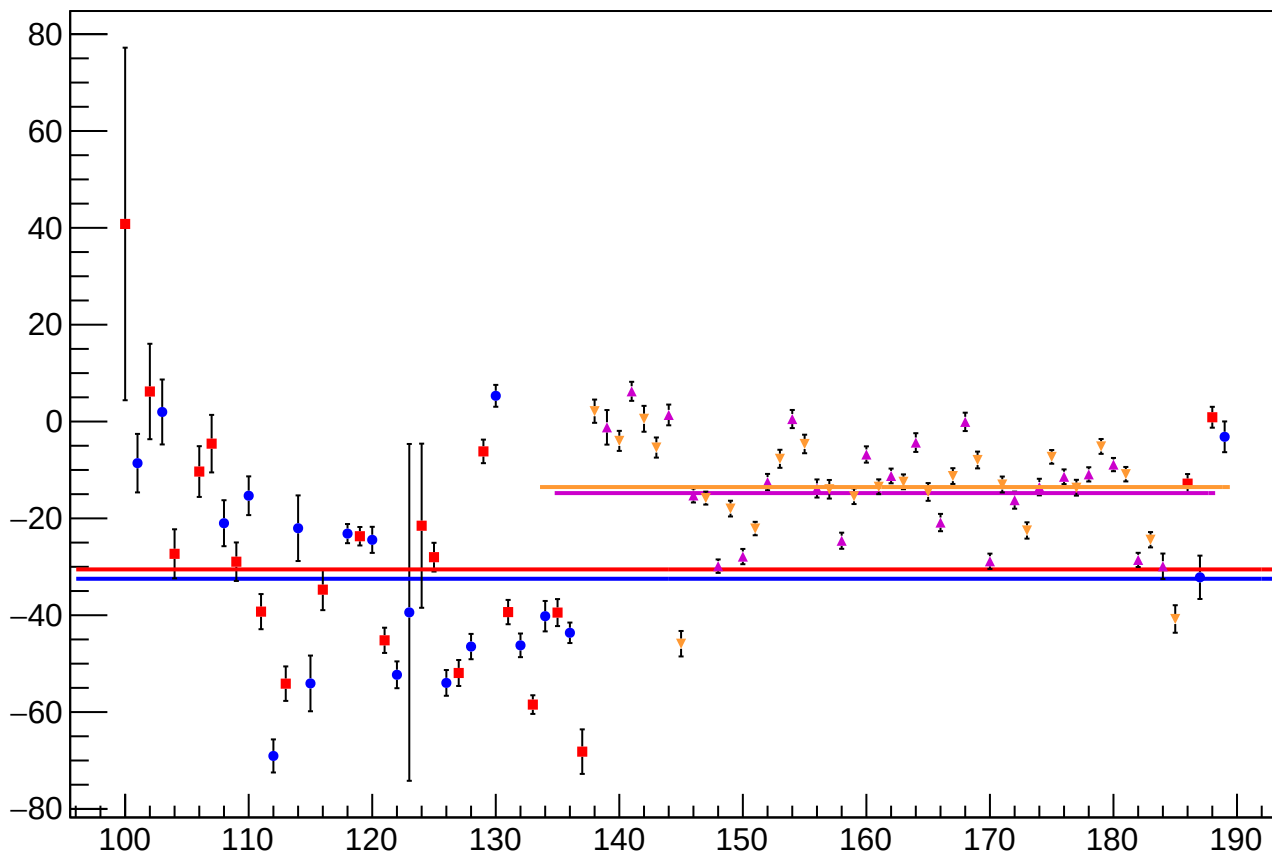
Right: 49.394+/-0.455 χ^2/NDF : 7594.2/39

In: 26.437+/-0.355 χ^2/NDF : 6238.5/41

Out: 26.319+/-0.316 χ^2/NDF : 9625.5/45

All: 26.371+/-0.236 χ^2/NDF : 15864.0/87

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 838.0/22$

Left: -14.136 ± 0.247 $\chi^2/\text{NDF}: 1417.2/47$

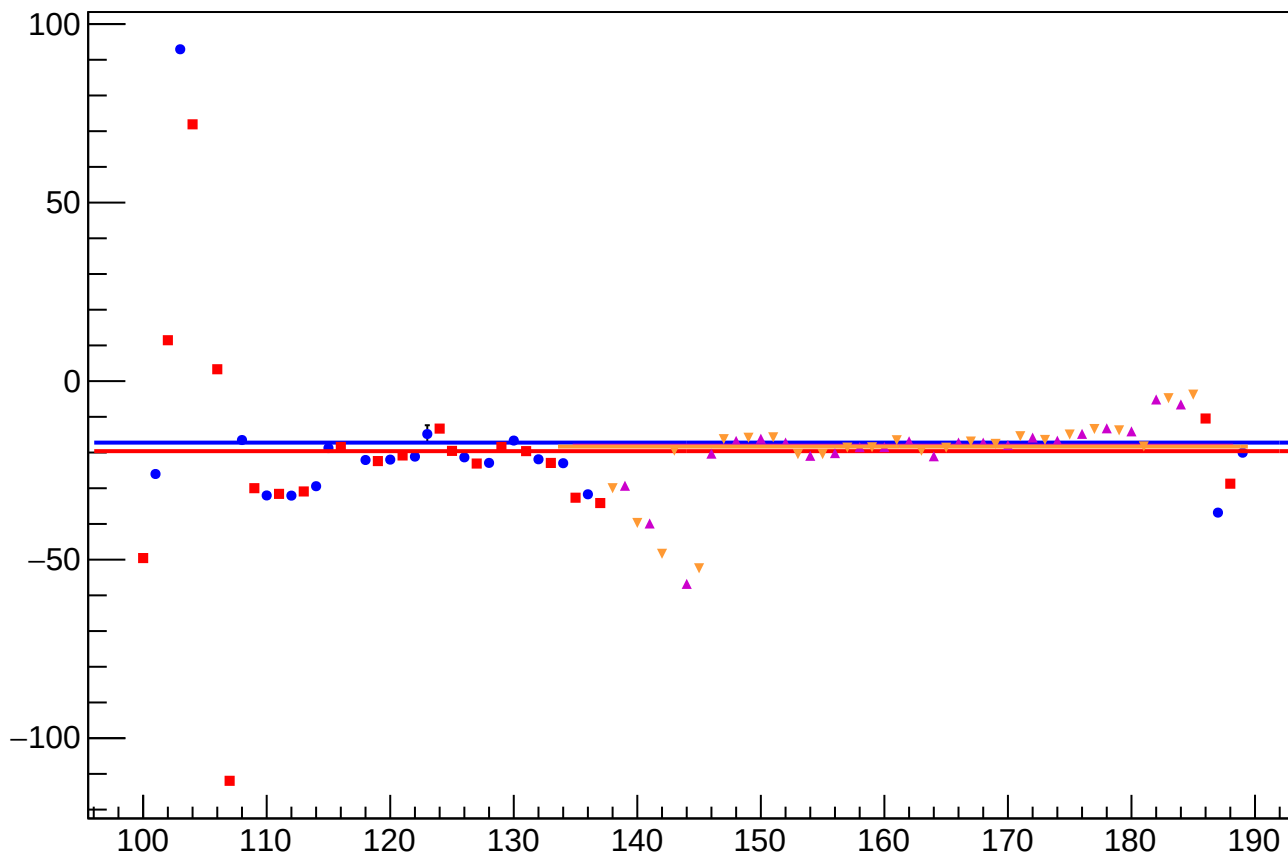
Right: -31.420 ± 0.485 $\chi^2/\text{NDF}: 1713.3/39$

In: -18.247 ± 0.318 $\chi^2/\text{NDF}: 2132.2/41$

Out: -17.183 ± 0.305 $\chi^2/\text{NDF}: 2002.1/45$

All: -17.693 ± 0.220 $\chi^2/\text{NDF}: 4140.1/87$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.220 ± 0.042 $\chi^2/\text{NDF}: 480917.9/18$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -19.614 ± 0.040 $\chi^2/\text{NDF}: 445635.8/20$

Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

Left: -18.211 ± 0.011 $\chi^2/\text{NDF}: 526224.9/47$

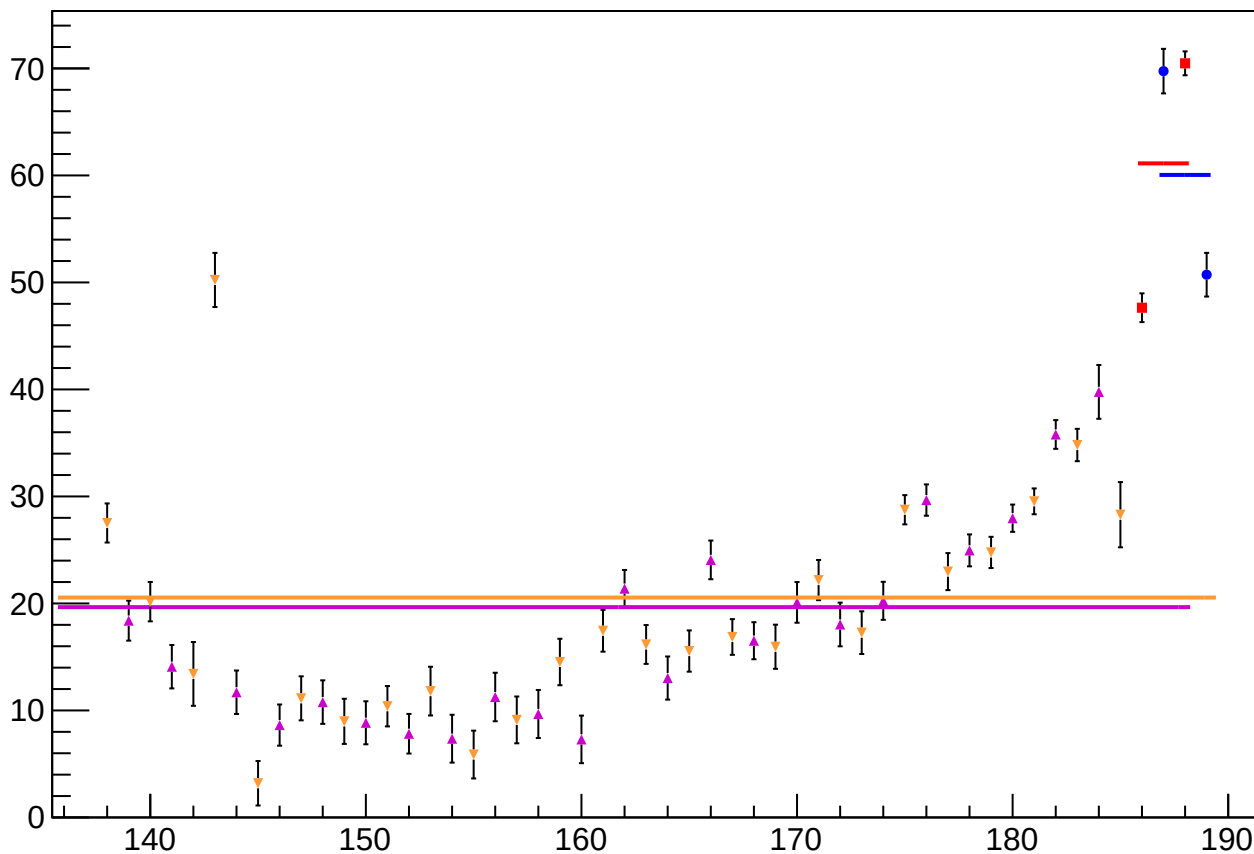
Right: -18.477 ± 0.029 $\chi^2/\text{NDF}: 928255.7/39$

In: -17.973 ± 0.015 $\chi^2/\text{NDF}: 723235.2/41$

Out: -18.508 ± 0.015 $\chi^2/\text{NDF}: 730673.3/45$

All: -18.246 ± 0.011 $\chi^2/\text{NDF}: 1454554.1/87$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 20.112 $\pm$ 0.266 χ^2 /NDF: 1201.0/47

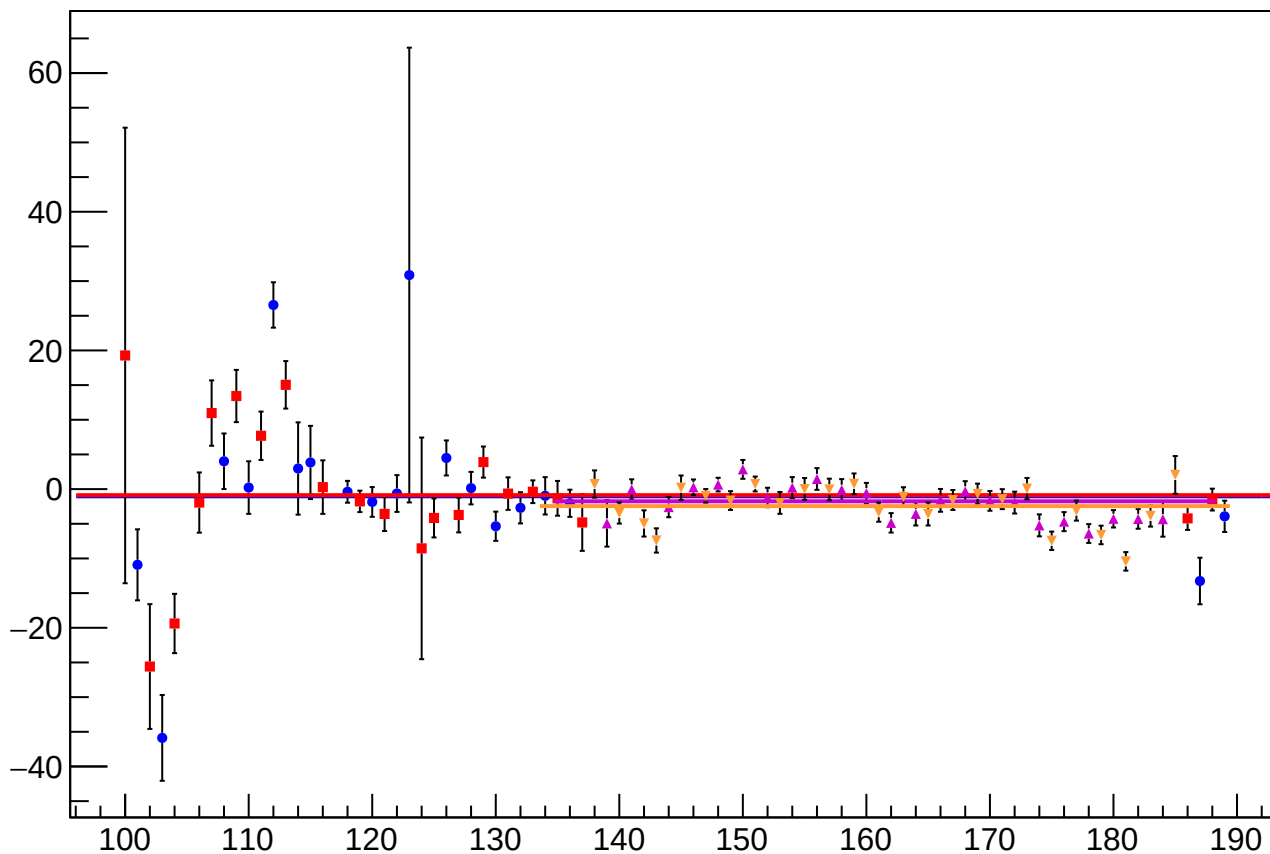
Right: 60.848 $\pm$ 0.740 χ^2 /NDF: 213.7/3

In: 22.230 $\pm$ 0.368 χ^2 /NDF:1333.0/24

Out: 26.983 $\pm$ 0.342 χ^2 /NDF:2672.6/26

All: 24.779 $\pm$ 0.251 χ^2 /NDF: 4095.0/51

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: -2.118 ± 0.210 χ^2/NDF : 176.1/47

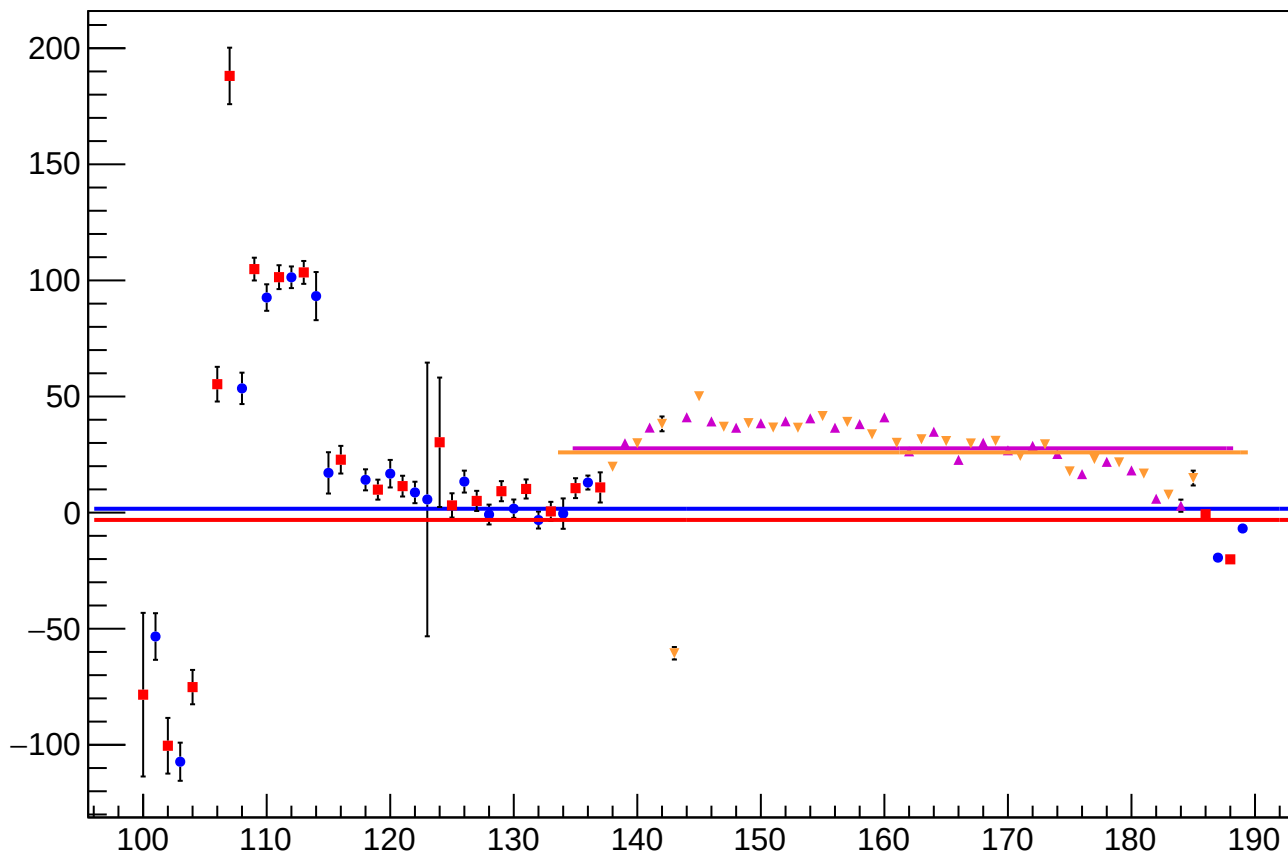
Right: -0.946 ± 0.421 χ^2/NDF : 225.1/39

In: -1.621 ± 0.272 χ^2/NDF : 204.2/41

Out: -2.125 ± 0.260 χ^2/NDF : 201.4/45

All: -1.884 ± 0.188 χ^2/NDF : 407.4/87

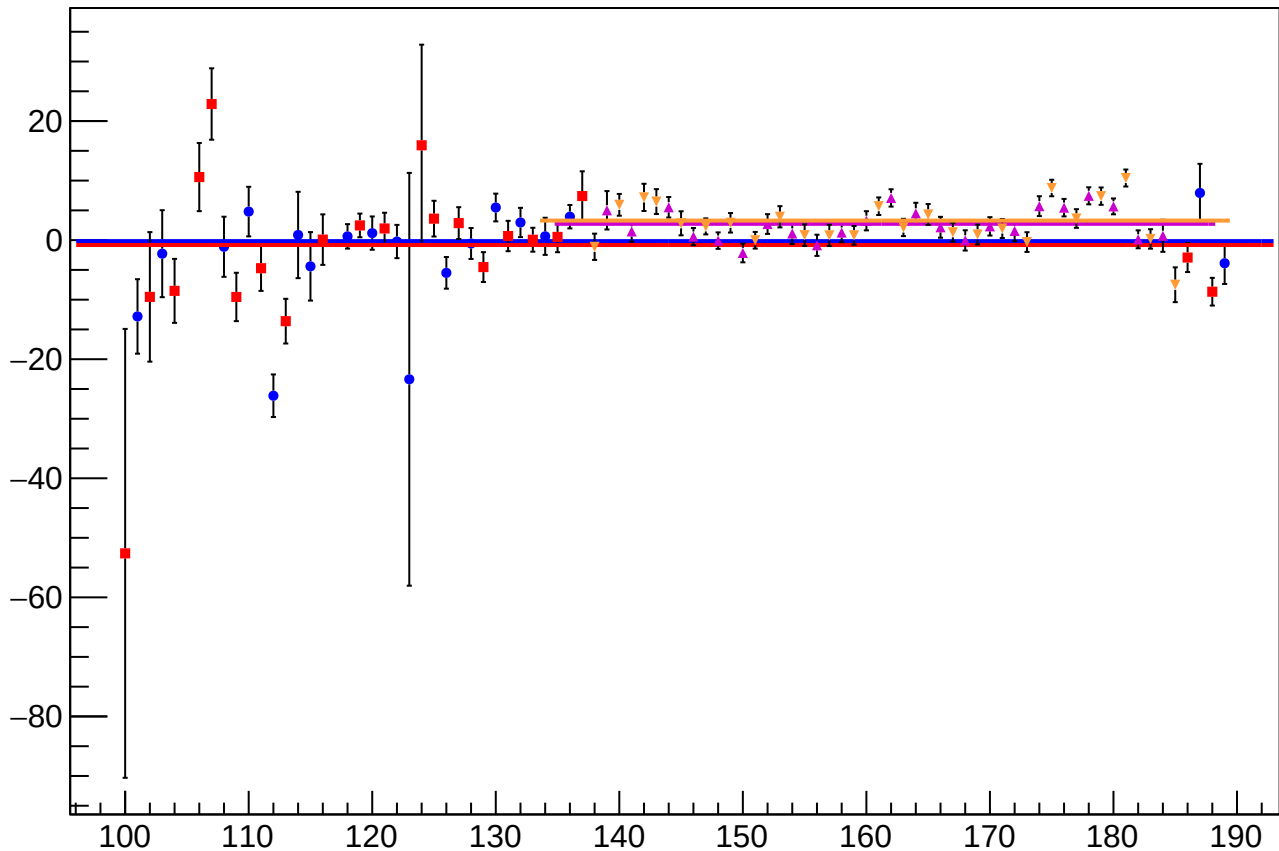
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.662 ± 0.873 $\chi^2/\text{NDF}: 1270.9/18$
 Left Out: 25.938 ± 0.372 $\chi^2/\text{NDF}: 1711.6/24$
 Right Out: -3.146 ± 0.604 $\chi^2/\text{NDF}: 2279.0/20$
 Left In: 27.677 ± 0.378 $\chi^2/\text{NDF}: 803.9/22$

Left: 26.794 ± 0.265 $\chi^2/\text{NDF}: 2526.2/47$
 Right: -1.589 ± 0.497 $\chi^2/\text{NDF}: 3570.4/39$
 In: 23.568 ± 0.347 $\chi^2/\text{NDF}: 2822.0/41$
 Out: 17.936 ± 0.317 $\chi^2/\text{NDF}: 5669.4/45$
 All: 20.498 ± 0.234 $\chi^2/\text{NDF}: 8634.9/87$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 3.018 ± 0.238 χ^2/NDF : 168.1/47

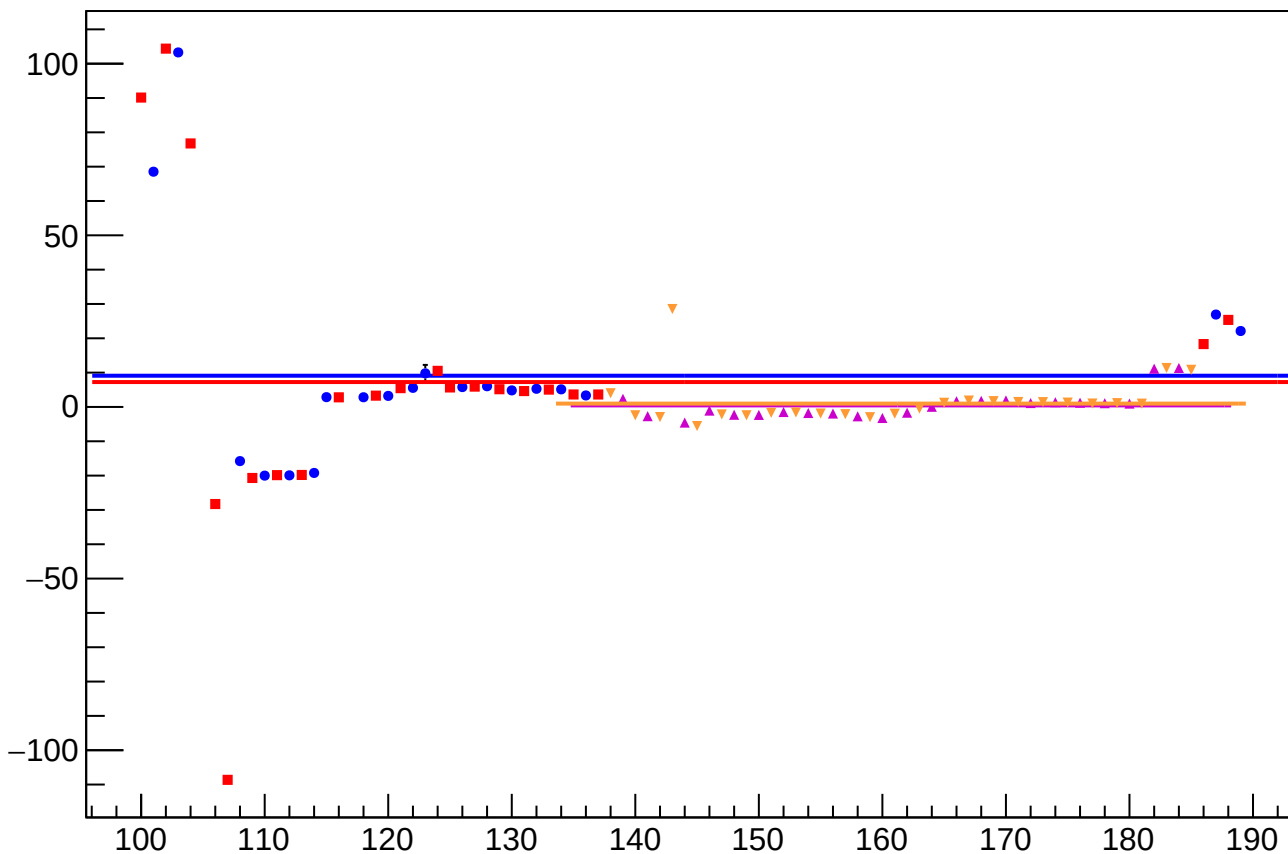
Right: -0.509 ± 0.499 χ^2/NDF : 149.4/39

In: 2.215 ± 0.309 χ^2/NDF : 157.1/41

Out: 2.506 ± 0.298 χ^2/NDF : 200.6/45

All: 2.366 ± 0.215 χ^2/NDF : 358.1/87

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 9.098 $\pm$ 0.042 χ^2 /NDF: 368587.9/18

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF:117391.3/24

Right Out: 7.254 $\pm$ 0.041 χ^2 /NDF: 547282.5/20

Left In: 0.451 $\pm$ 0.015 χ^2 /NDF:50699.8/22

Left: 0.719 $\pm$ 0.011 χ^2 /NDF: 168685.3/47

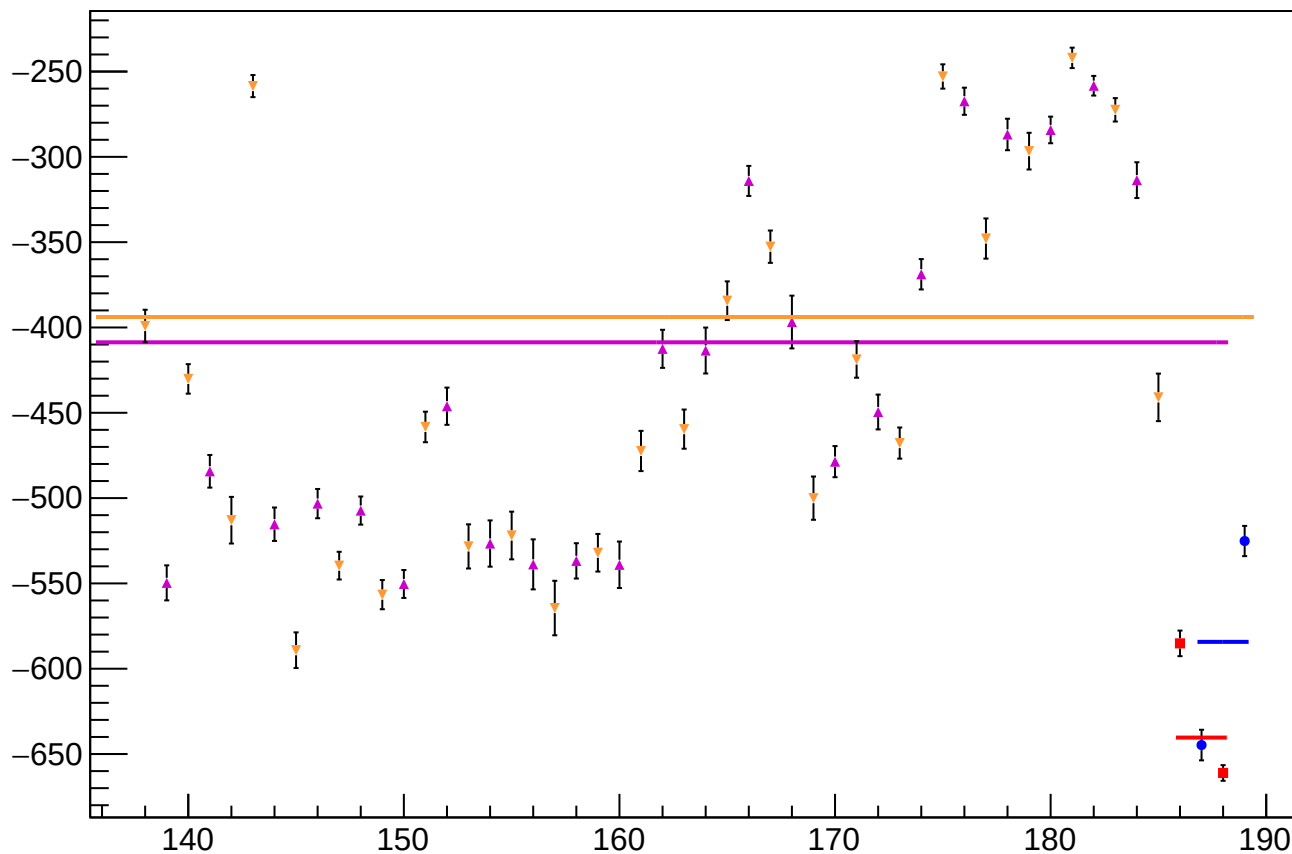
Right: 8.149 $\pm$ 0.030 χ^2 /NDF: 916846.1/39

In: 1.464 $\pm$ 0.014 χ^2 /NDF:456071.1/41

Out: 1.733 $\pm$ 0.014 χ^2 /NDF:685167.8/45

All: 1.601 $\pm$ 0.010 χ^2 /NDF: 1141413.4/87

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -584.264+/-6.302 χ^2/NDF : 90.0/1

Left Out: -393.871+/-1.897 χ^2/NDF : 3772.8/24

Right Out: -640.360+/-3.917 χ^2/NDF : 74.6/1

Left In: -408.696+/-1.979 χ^2/NDF : 3062.9/22

Left: -400.970+/-1.369 χ^2/NDF : 6864.9/47

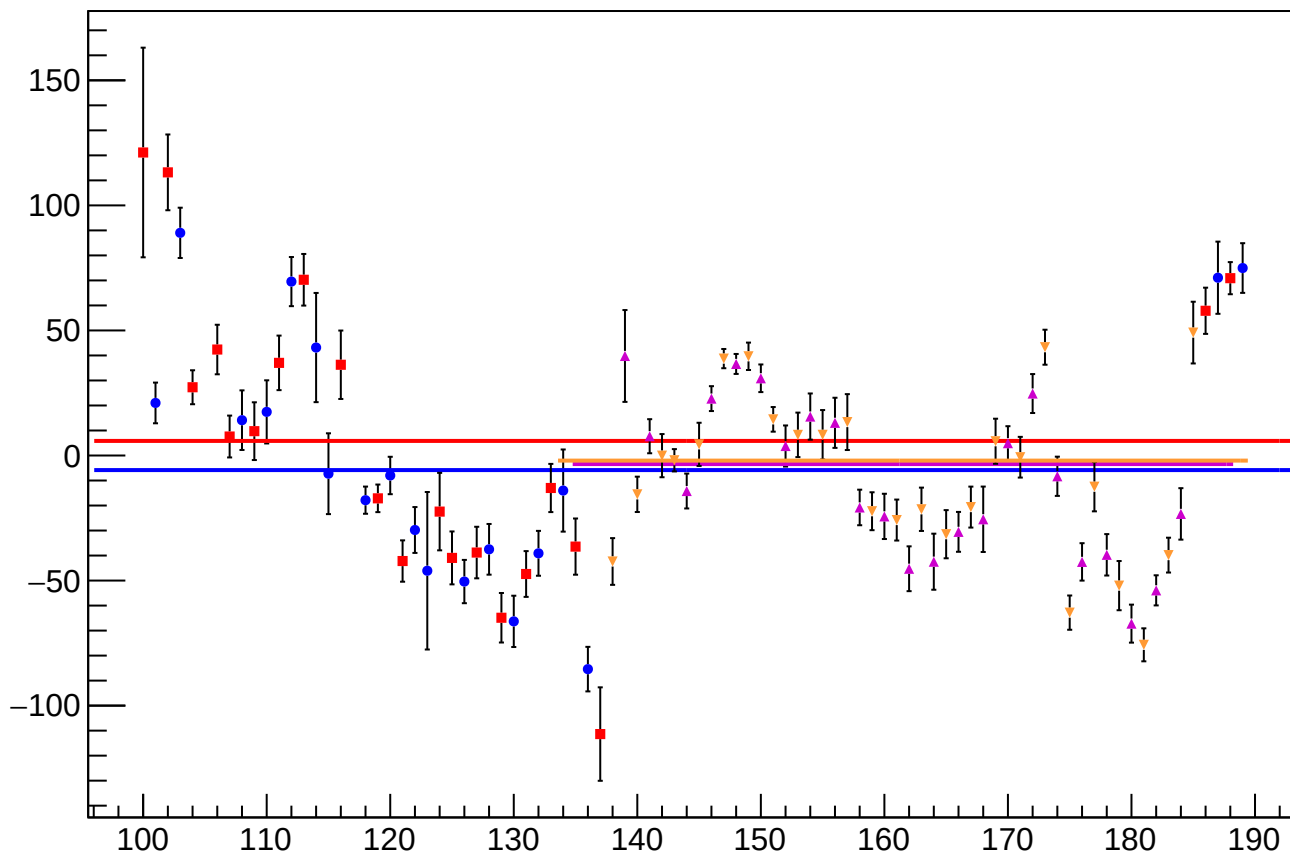
Right: -624.729+/-3.327 χ^2/NDF : 221.8/3

In: -424.453+/-1.888 χ^2/NDF : 3859.3/24

Out: -440.700+/-1.707 χ^2/NDF : 7055.0/26

All: -433.392+/-1.266 χ^2/NDF : 10955.0/51

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.828 ± 2.261 $\chi^2/\text{NDF}: 443.0/18$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 5.833 ± 2.078 $\chi^2/\text{NDF}: 503.0/20$

Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

Left: -2.683 ± 1.039 $\chi^2/\text{NDF}: 1015.2/47$

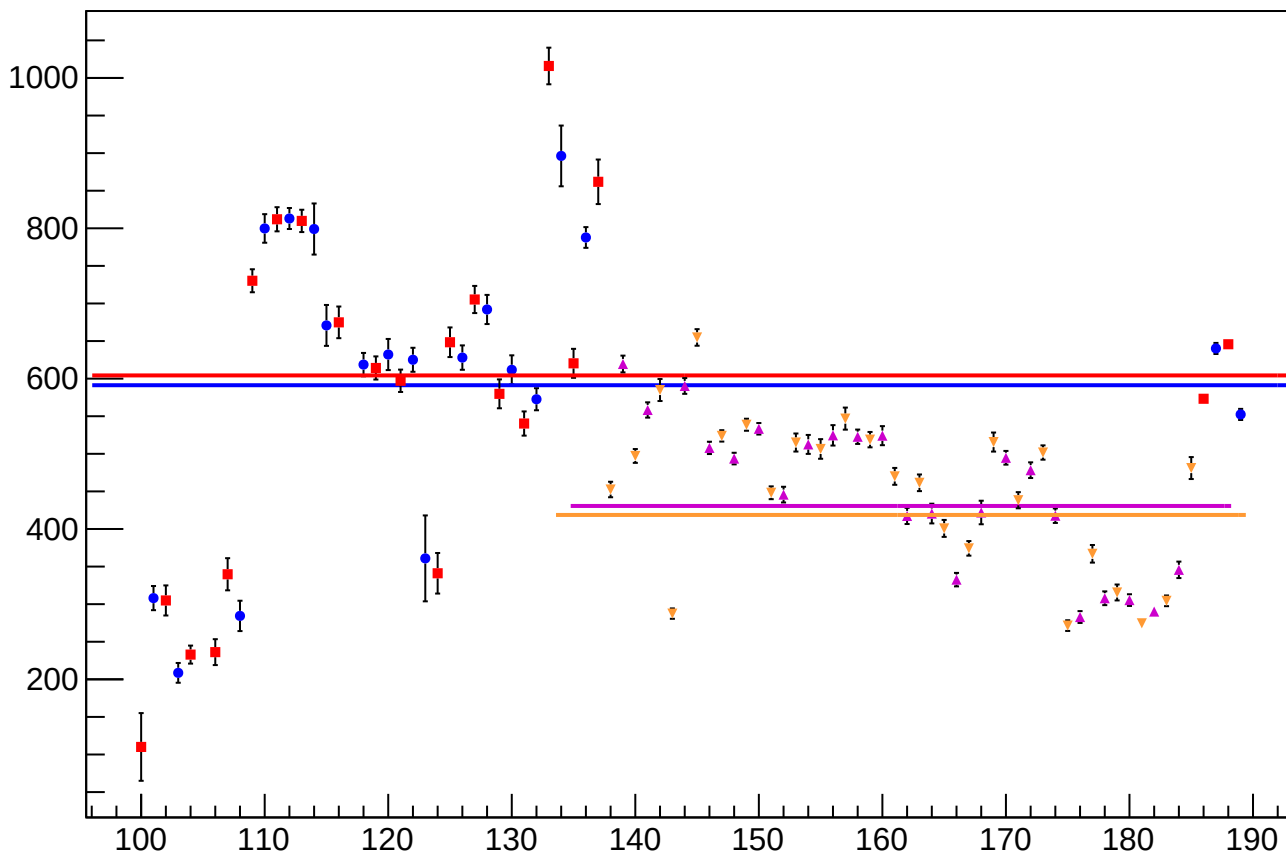
Right: 0.494 ± 1.530 $\chi^2/\text{NDF}: 960.4/39$

In: -4.169 ± 1.262 $\chi^2/\text{NDF}: 894.7/41$

Out: 0.478 ± 1.175 $\chi^2/\text{NDF}: 1076.5/45$

All: -1.681 ± 0.860 $\chi^2/\text{NDF}: 1978.5/87$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 424.457 ± 1.370 χ^2/NDF : 6166.1/47

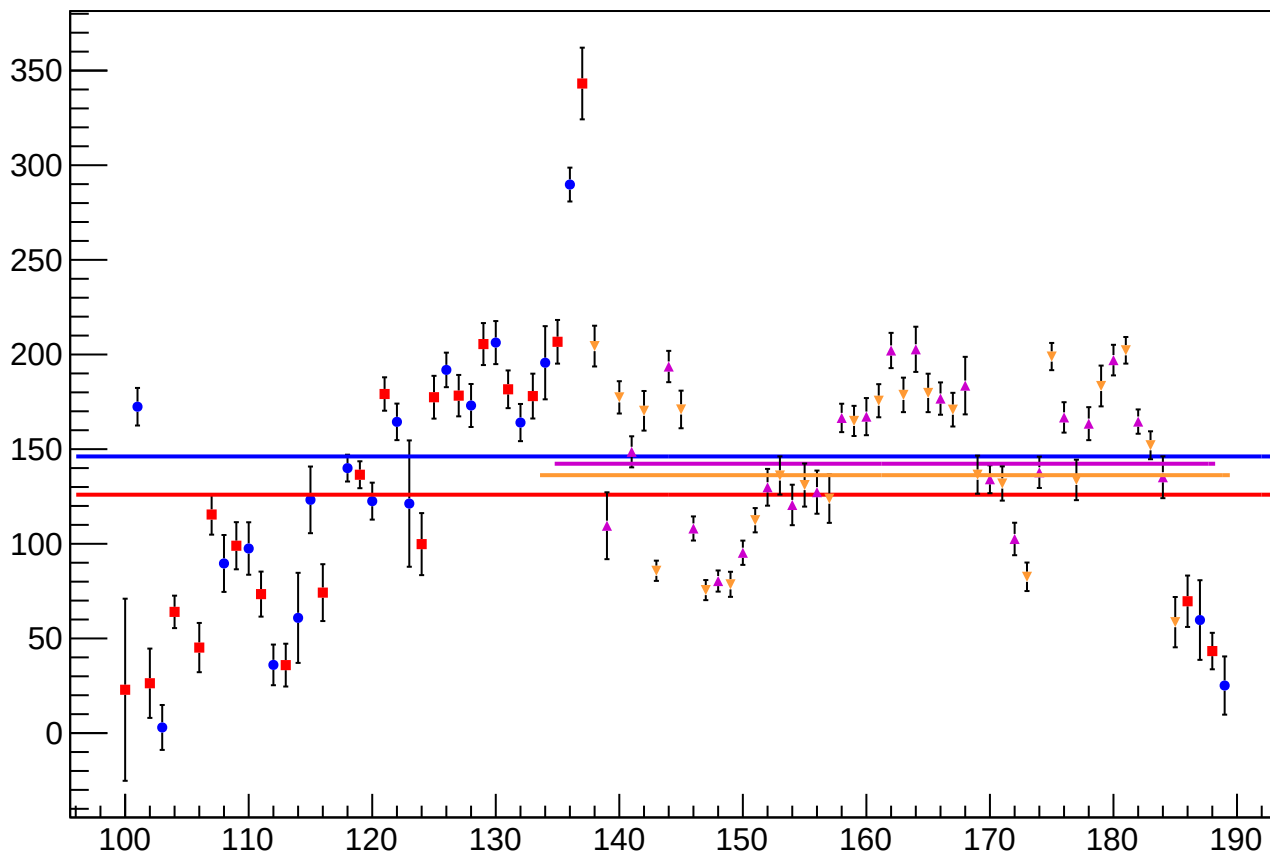
Right: 599.611 ± 2.004 χ^2/NDF : 5226.3/39

In: 472.000 ± 1.698 χ^2/NDF : 6760.6/41

Out: 486.753 ± 1.516 χ^2/NDF : 9795.5/45

All: 480.210 ± 1.131 χ^2/NDF : 16598.1/87

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 139.111 $\pm$ 1.199 χ^2/NDF : 1224.4/47

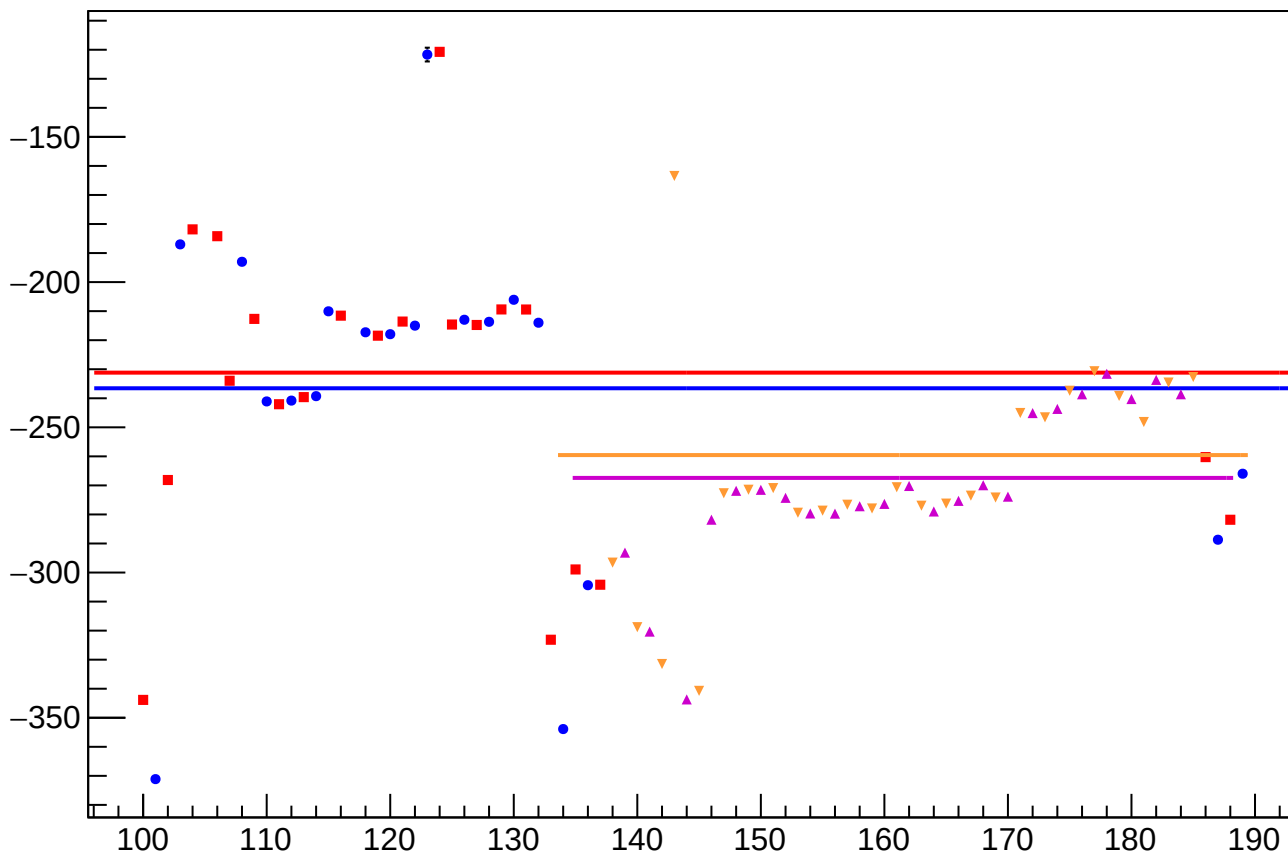
Right: 135.389 $\pm$ 1.814 χ^2/NDF : 1429.0/39

In: 143.459 $\pm$ 1.458 χ^2/NDF : 1175.9/41

Out: 133.100 $\pm$ 1.375 χ^2/NDF : 1453.7/45

All: 137.978 $\pm$ 1.000 χ^2/NDF : 2656.3/87

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -263.361+/-0.057 χ^2/NDF : 341051.4/47

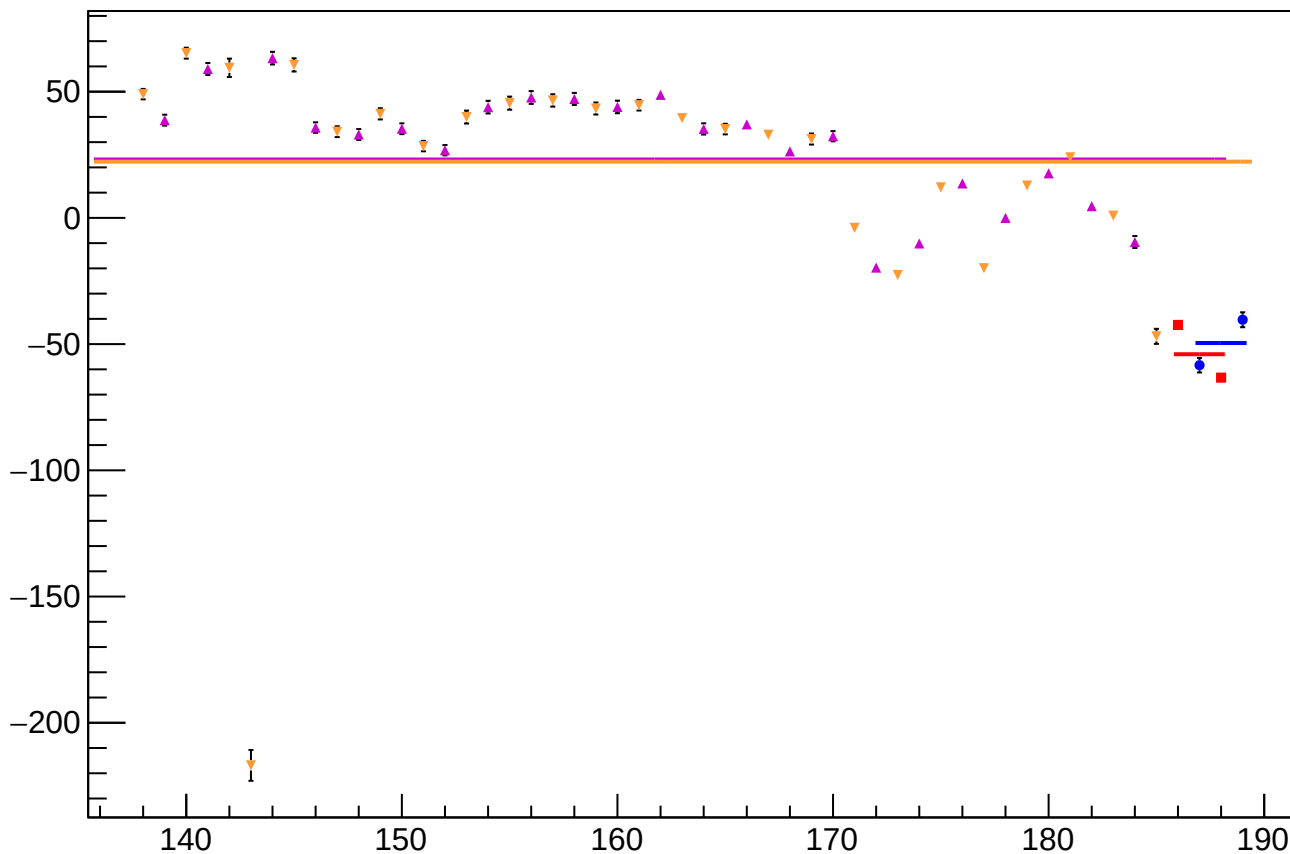
Right: -233.668+/-0.099 χ^2/NDF : 260378.4/39

In: -259.996+/-0.071 χ^2/NDF : 281082.5/41

Out: -252.303+/-0.068 χ^2/NDF : 382085.3/45

All: -255.987+/-0.049 χ^2/NDF : 669254.7/87

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 2744.7/22$

Left: 22.705 ± 0.283 $\chi^2/\text{NDF}: 7918.0/47$

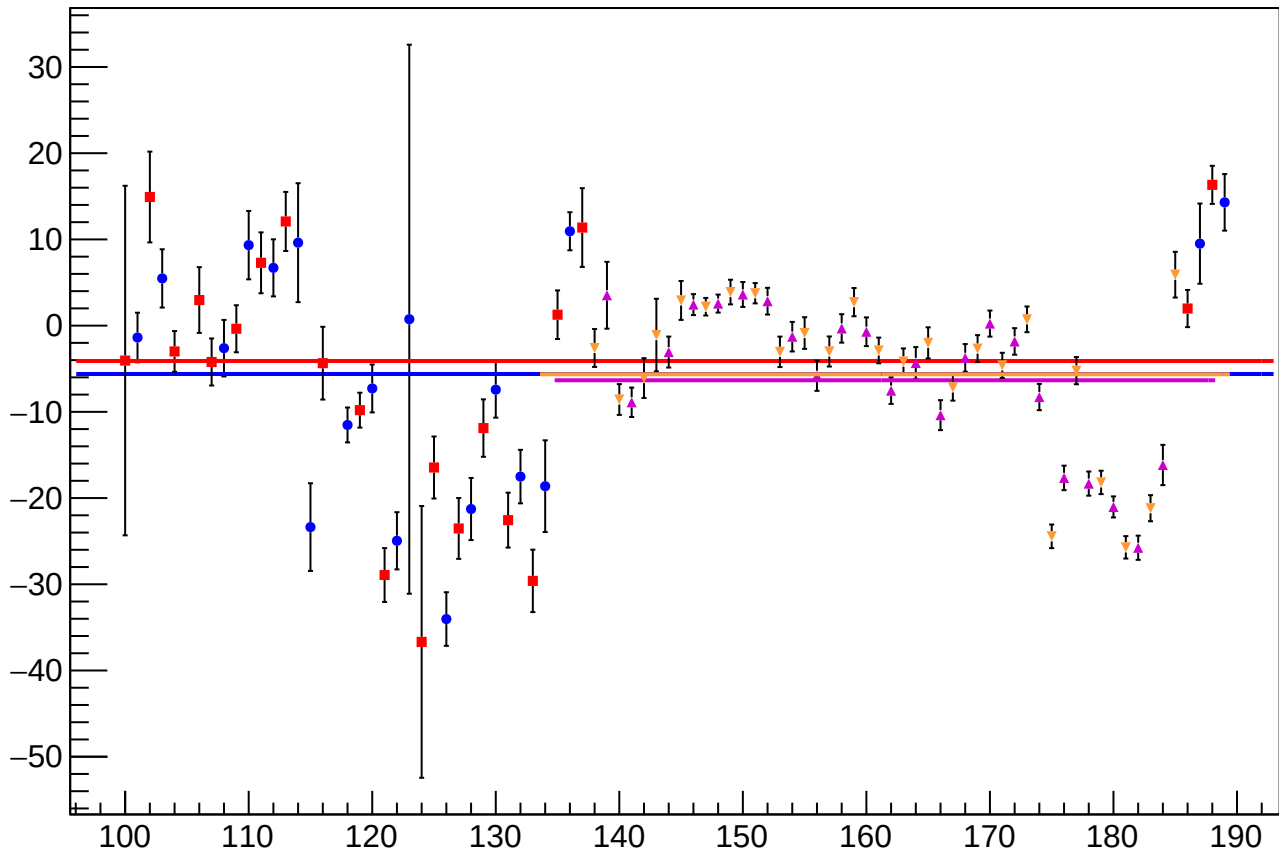
Right: -52.940 ± 1.014 $\chi^2/\text{NDF}: 102.0/3$

In: 20.491 ± 0.394 $\chi^2/\text{NDF}: 3956.7/24$

Out: 14.259 ± 0.377 $\chi^2/\text{NDF}: 9098.5/26$

All: 17.239 ± 0.273 $\chi^2/\text{NDF}: 13185.7/51$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.610 ± 0.758 χ^2/NDF : 328.9/18

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -4.100 ± 0.683 χ^2/NDF : 366.0/20

Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

Left: -5.983 ± 0.225 χ^2/NDF : 1679.1/47

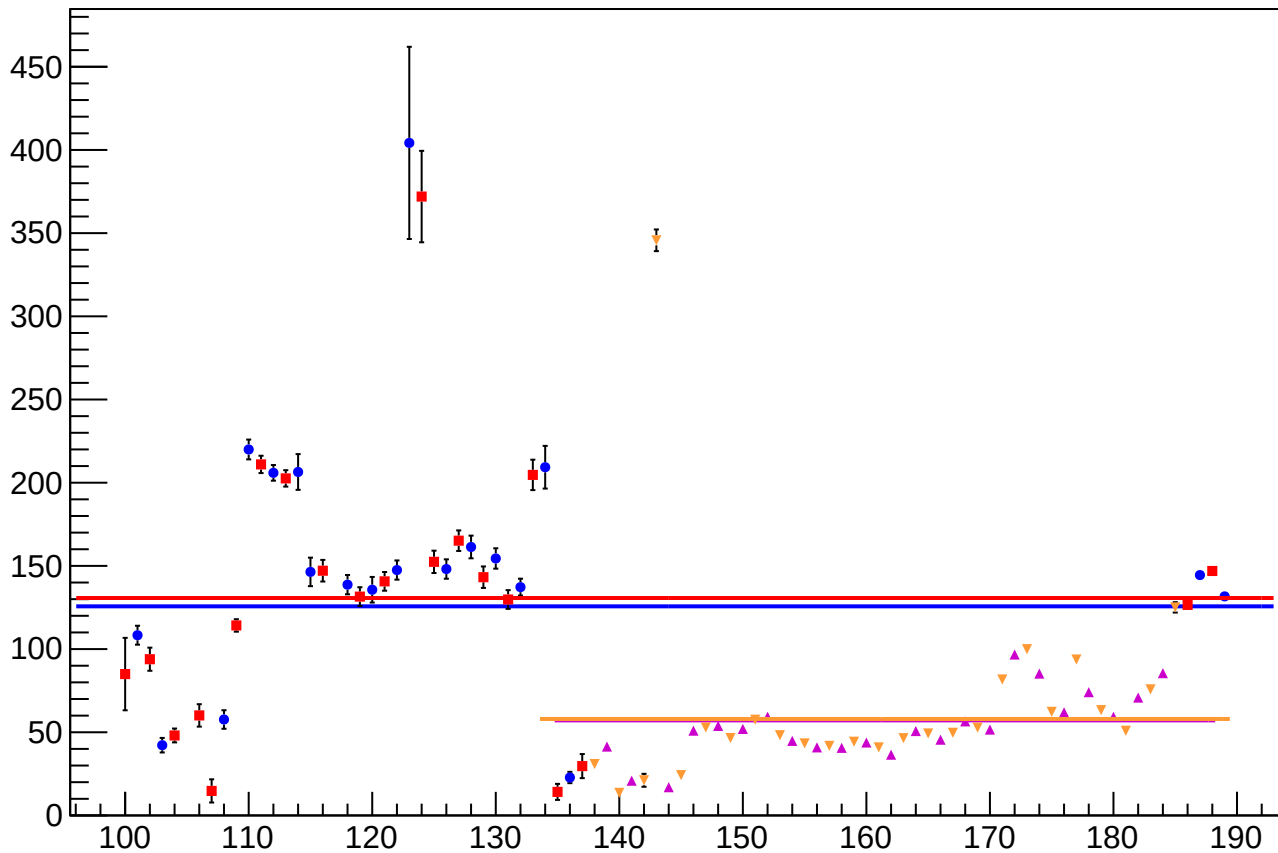
Right: -4.777 ± 0.507 χ^2/NDF : 697.2/39

In: -6.226 ± 0.296 χ^2/NDF : 1112.7/41

Out: -5.371 ± 0.286 χ^2/NDF : 1264.0/45

All: -5.785 ± 0.206 χ^2/NDF : 2380.9/87

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 125.689 $\pm$ 1.095 χ^2 /NDF: 2264.5/18

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 130.695 $\pm$ 0.771 χ^2 /NDF: 2435.2/20

Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

Left: 57.566 $\pm$ 0.282 χ^2 /NDF: 6441.4/47

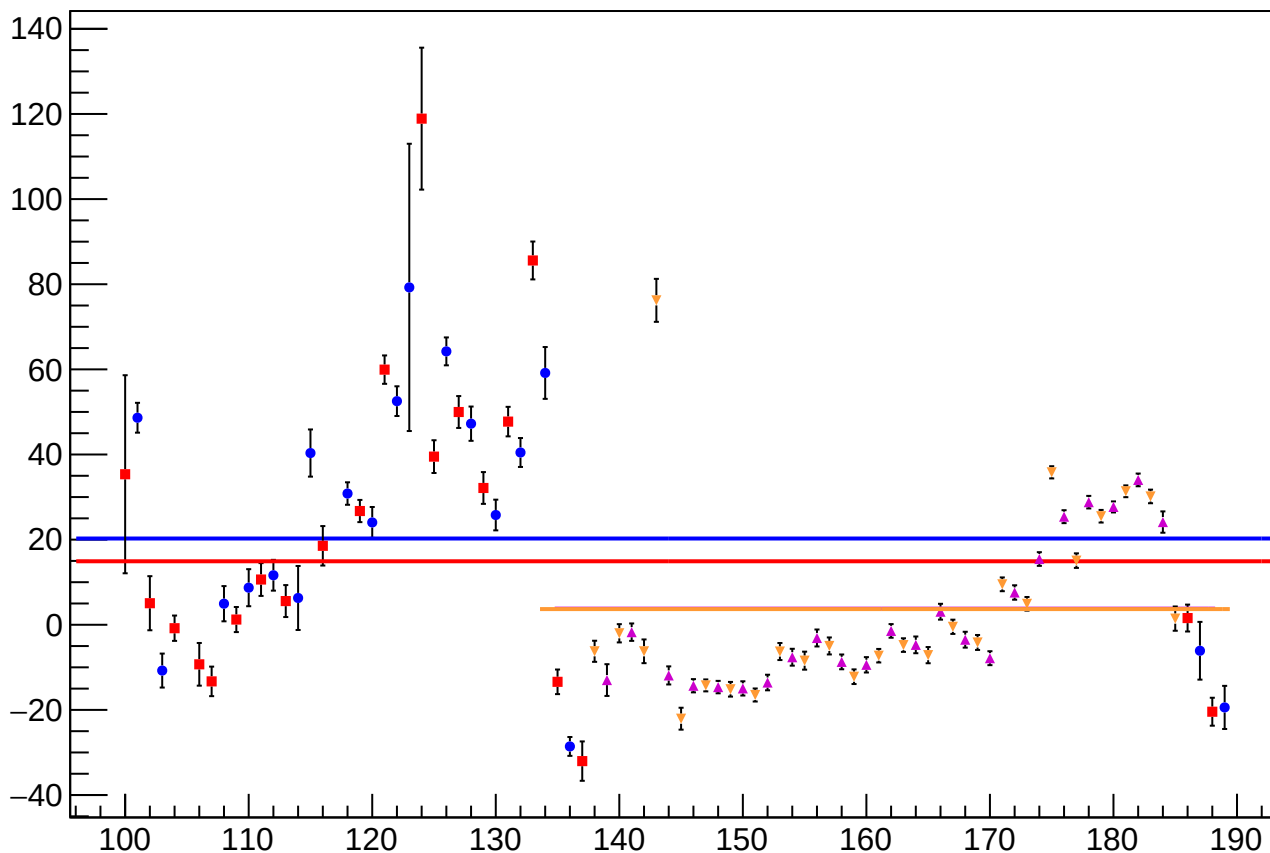
Right: 129.036 $\pm$ 0.631 χ^2 /NDF: 4713.7/39

In: 65.189 $\pm$ 0.375 χ^2 /NDF:7524.6/41

Out: 73.274 $\pm$ 0.354 χ^2 /NDF:14088.1/45

All: 69.472 $\pm$ 0.257 χ^2 /NDF: 21858.5/87

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.263 $\pm$ 0.879 χ^2 /NDF: 1141.4/18

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF:2541.7/24

Right Out: 14.916 $\pm$ 0.815 χ^2 /NDF: 1216.0/20

Left In: 3.786 $\pm$ 0.362 χ^2 /NDF:2198.8/22

Left: 3.734 $\pm$ 0.254 χ^2 /NDF: 4740.5/47

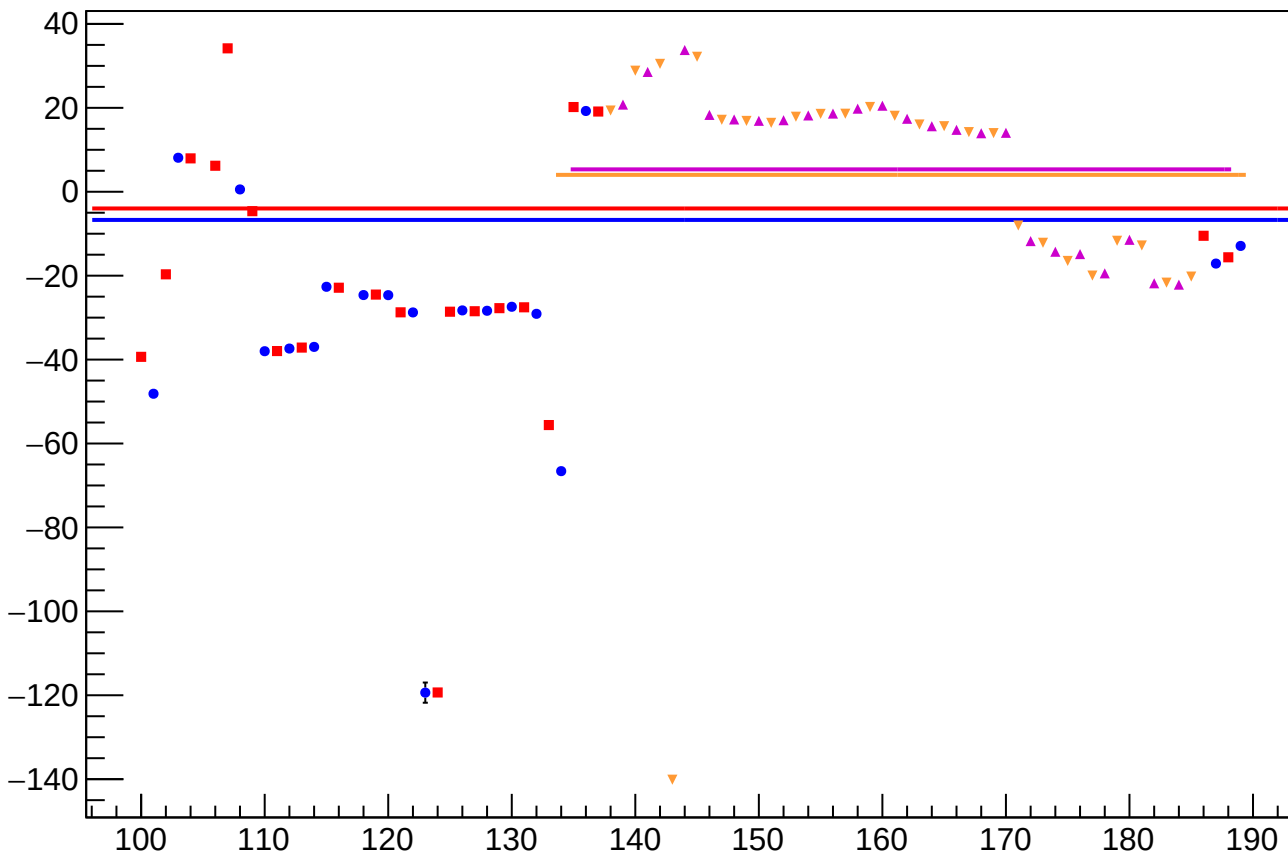
Right: 17.387 $\pm$ 0.598 χ^2 /NDF: 2377.3/39

In: 6.173 $\pm$ 0.335 χ^2 /NDF:3640.7/41

Out: 5.491 $\pm$ 0.327 χ^2 /NDF:3917.2/45

All: 5.824 $\pm$ 0.234 χ^2 /NDF: 7560.0/87

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 4.678 ± 0.012 χ^2/NDF : 2464153.9/47

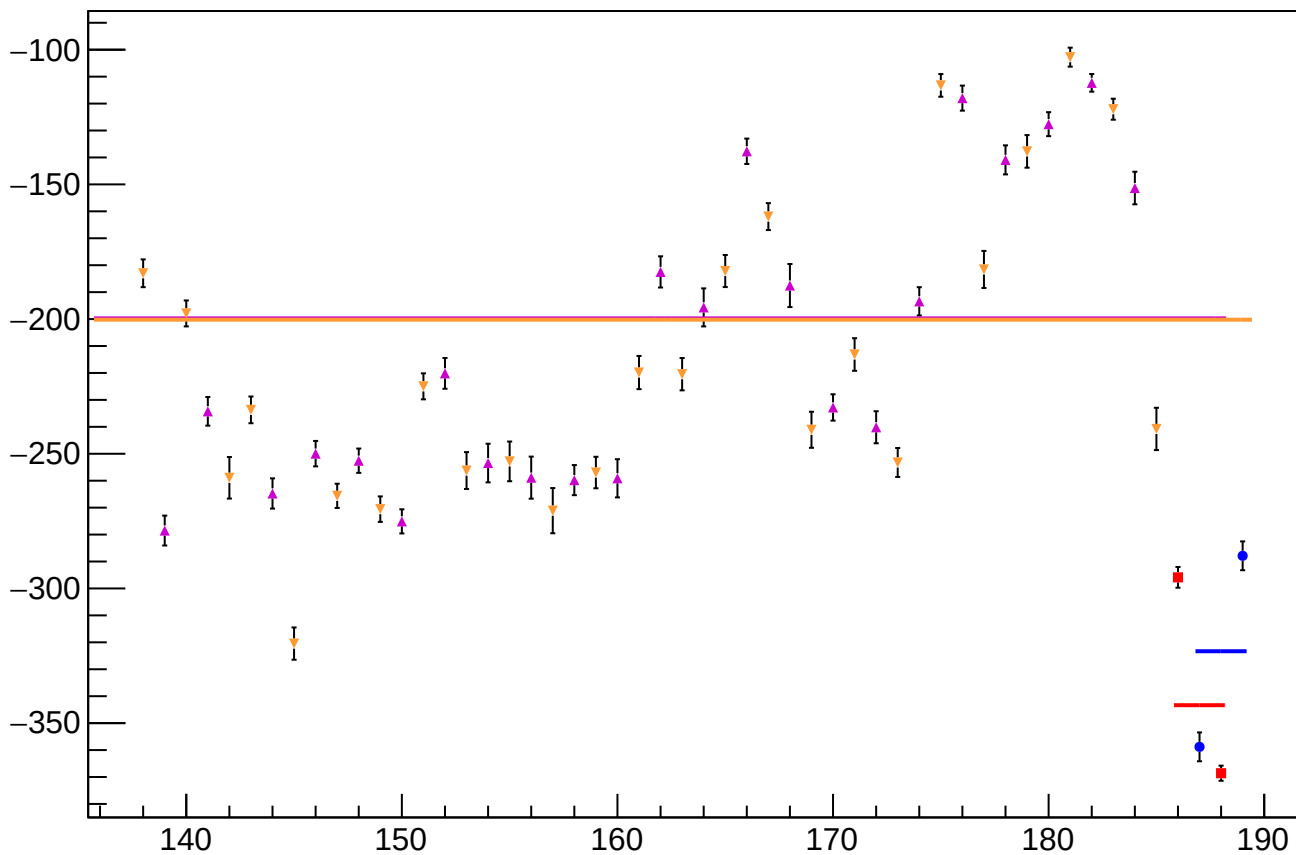
Right: -5.291 ± 0.031 χ^2/NDF : 539202.2/39

In: 3.925 ± 0.015 χ^2/NDF : 1406450.2/41

Out: 3.023 ± 0.015 χ^2/NDF : 1684783.4/45

All: 3.470 ± 0.011 χ^2/NDF : 3092958.6/87

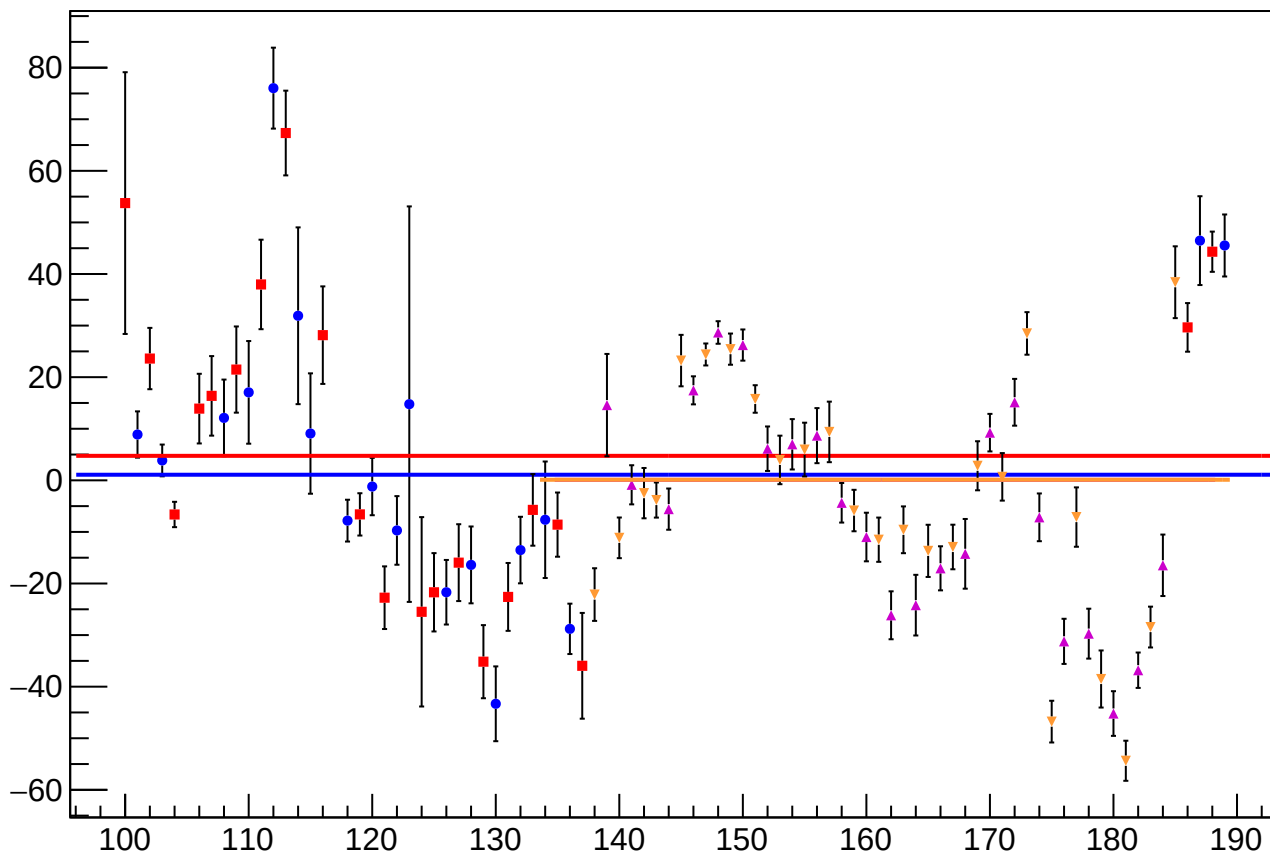
reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -323.309 ± 3.785 $\chi^2/\text{NDF}: 87.8/1$
 Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$
 Right Out: -343.343 ± 2.272 $\chi^2/\text{NDF}: 232.2/1$
 Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

Left: -199.988 ± 0.769 $\chi^2/\text{NDF}: 6193.2/47$
 Right: -338.037 ± 1.948 $\chi^2/\text{NDF}: 340.5/3$
 In: -209.320 ± 1.054 $\chi^2/\text{NDF}: 4038.8/24$
 Out: -226.520 ± 0.974 $\chi^2/\text{NDF}: 6696.1/26$
 All: -218.599 ± 0.715 $\chi^2/\text{NDF}: 10878.6/51$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.086+/-1.408 χ^2/NDF : 293.2/18

Left Out: 0.109+/-0.807 χ^2/NDF :831.2/24

Right Out: 4.750+/-1.267 χ^2/NDF : 375.5/20

Left In: 0.097+/-0.838 χ^2/NDF :715.5/22

Left: 0.103+/-0.581 χ^2/NDF : 1546.7/47

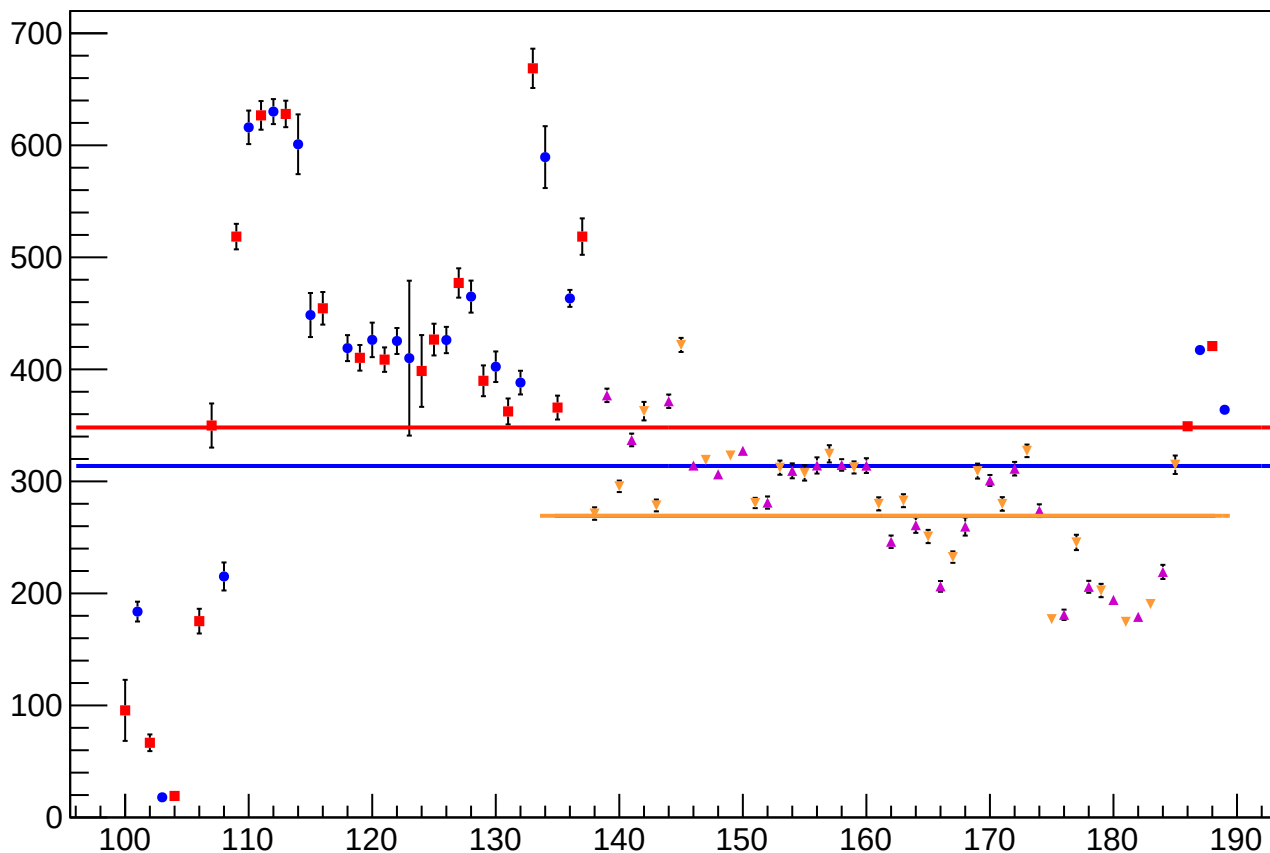
Right: 3.110+/-0.942 χ^2/NDF : 672.4/39

In: 0.356+/-0.720 χ^2/NDF :1009.0/41

Out: 1.448+/-0.681 χ^2/NDF :1216.2/45

All: 0.933+/-0.495 χ^2/NDF : 2226.5/87

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 313.745 $\pm$ 1.949 χ^2 /NDF: 8679.8/18

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 348.130 $\pm$ 1.463 χ^2 /NDF: 10482.4/20

Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

Left: 269.235 $\pm$ 0.767 χ^2 /NDF: 6316.9/47

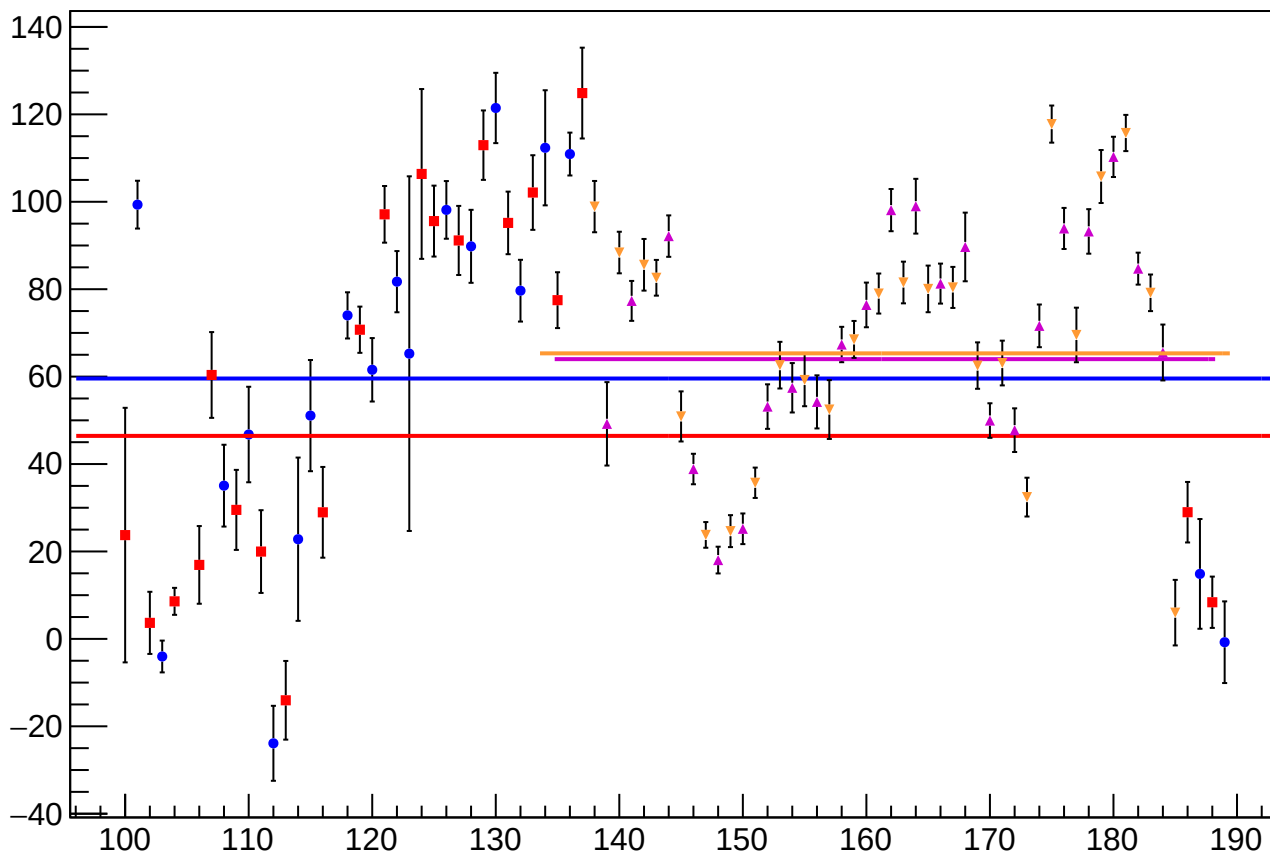
Right: 335.736 $\pm$ 1.170 χ^2 /NDF: 19361.3/39

In: 279.816 $\pm$ 0.952 χ^2 /NDF:12248.0/41

Out: 297.010 $\pm$ 0.868 χ^2 /NDF:15512.2/45

All: 289.206 $\pm$ 0.641 χ^2 /NDF: 27938.5/87

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 64.681 $\pm$ 0.671 χ^2 /NDF: 1807.5/47

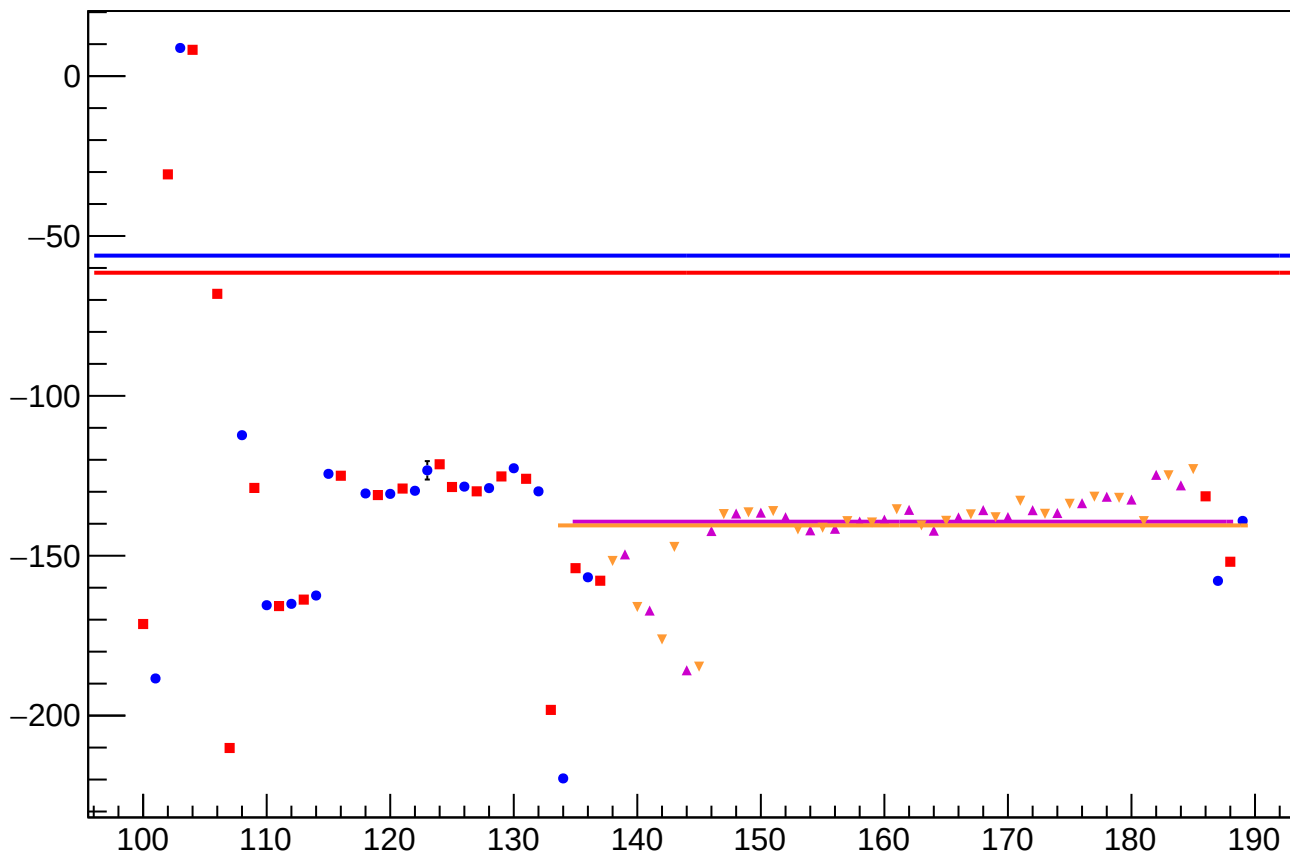
Right: 52.547 $\pm$ 1.129 χ^2 /NDF: 1519.7/39

In: 62.878 $\pm$ 0.832 χ^2 /NDF:1582.8/41

Out: 60.256 $\pm$ 0.799 χ^2 /NDF:1824.7/45

All: 61.514 $\pm$ 0.577 χ^2 /NDF: 3412.6/87

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -56.140 $\pm$ 0.069 χ^2 /NDF: 1279066.0/18

Left Out: -140.519 $\pm$ 0.045 χ^2 /NDF: 77489.0/24

Right Out: -61.492 $\pm$ 0.069 χ^2 /NDF: 1075644.0/20

Left In: -139.360 $\pm$ 0.045 χ^2 /NDF: 62449.0/22

Left: -139.945 $\pm$ 0.032 χ^2 /NDF: 140272.6/47

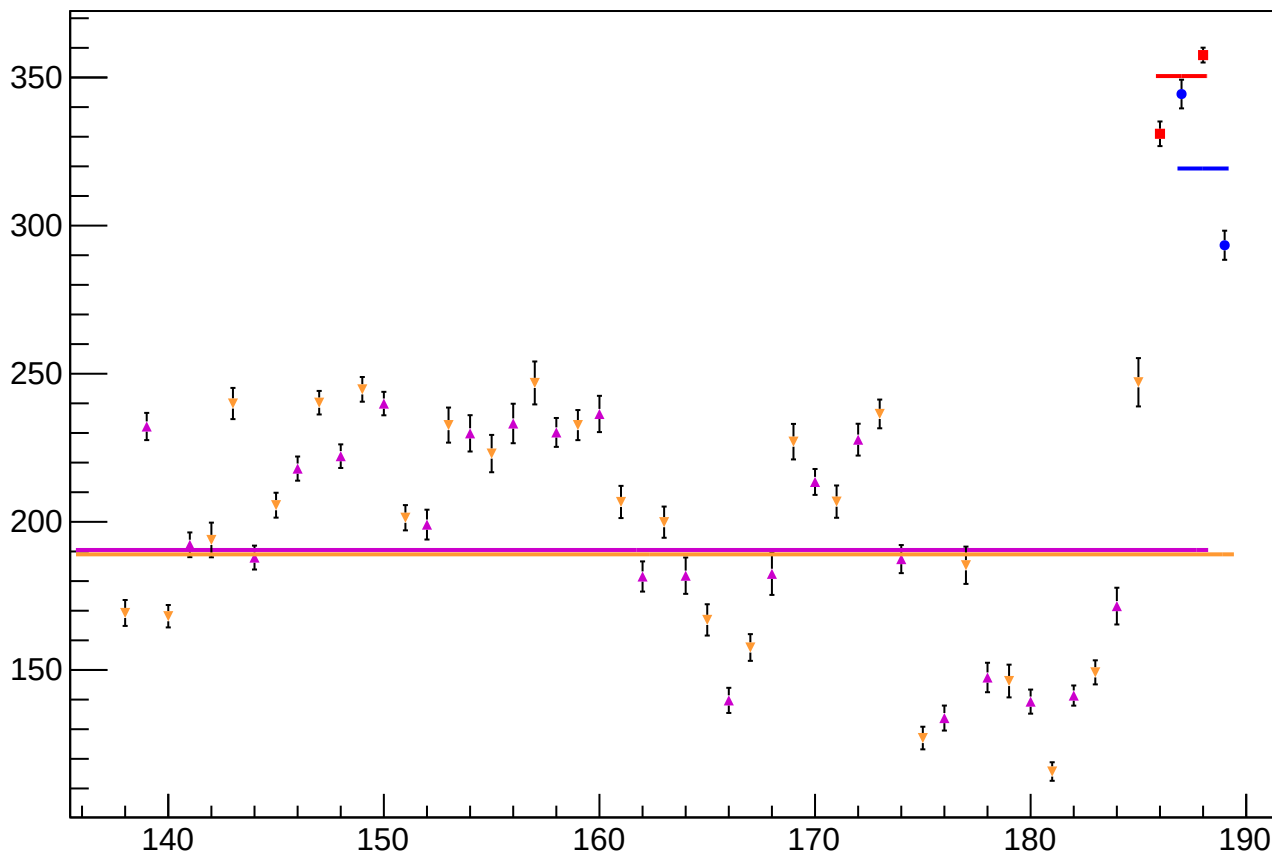
Right: -58.809 $\pm$ 0.049 χ^2 /NDF: 2357683.8/39

In: -114.668 $\pm$ 0.038 χ^2 /NDF: 2355801.6/41

Out: -117.495 $\pm$ 0.038 χ^2 /NDF: 2069750.2/45

All: -116.091 $\pm$ 0.027 χ^2 /NDF: 4428374.2/87

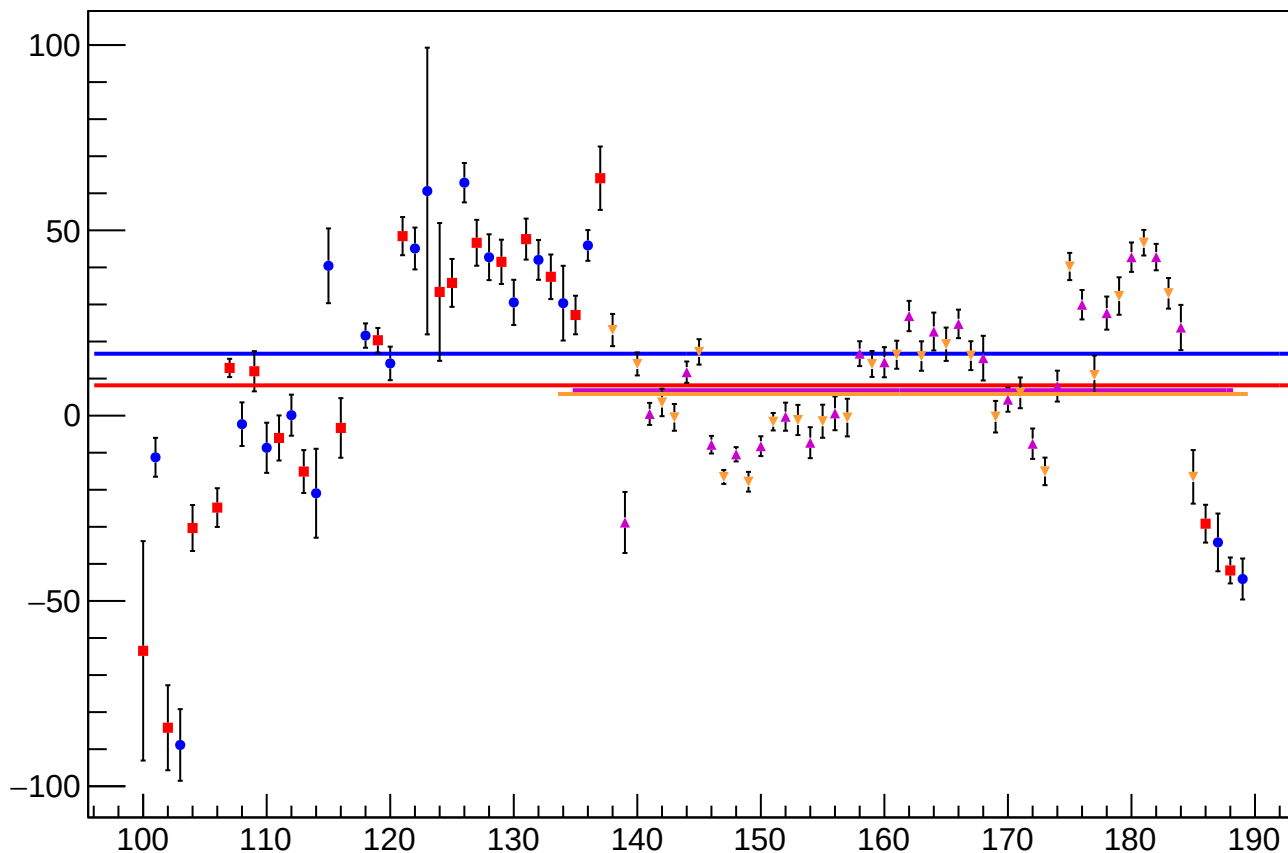
reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 319.276 ± 3.448 $\chi^2/\text{NDF}: 54.8/1$
 Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$
 Right Out: 350.479 ± 2.146 $\chi^2/\text{NDF}: 30.0/1$
 Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

Left: 189.753 ± 0.683 $\chi^2/\text{NDF}: 3394.8/47$
 Right: 341.771 ± 1.822 $\chi^2/\text{NDF}: 143.8/3$
 In: 200.040 ± 0.938 $\chi^2/\text{NDF}: 2758.7/24$
 Out: 215.769 ± 0.873 $\chi^2/\text{NDF}: 6735.7/26$
 All: 208.469 ± 0.639 $\chi^2/\text{NDF}: 9645.0/51$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.709+/-1.335 χ^2/NDF : 561.1/18

Left Out: 5.834+/-0.712 χ^2/NDF : 652.2/24

Right Out: 8.176+/-1.130 χ^2/NDF : 728.9/20

Left In: 6.862+/-0.736 χ^2/NDF : 522.7/22

Left: 6.331+/-0.512 χ^2/NDF : 1176.0/47

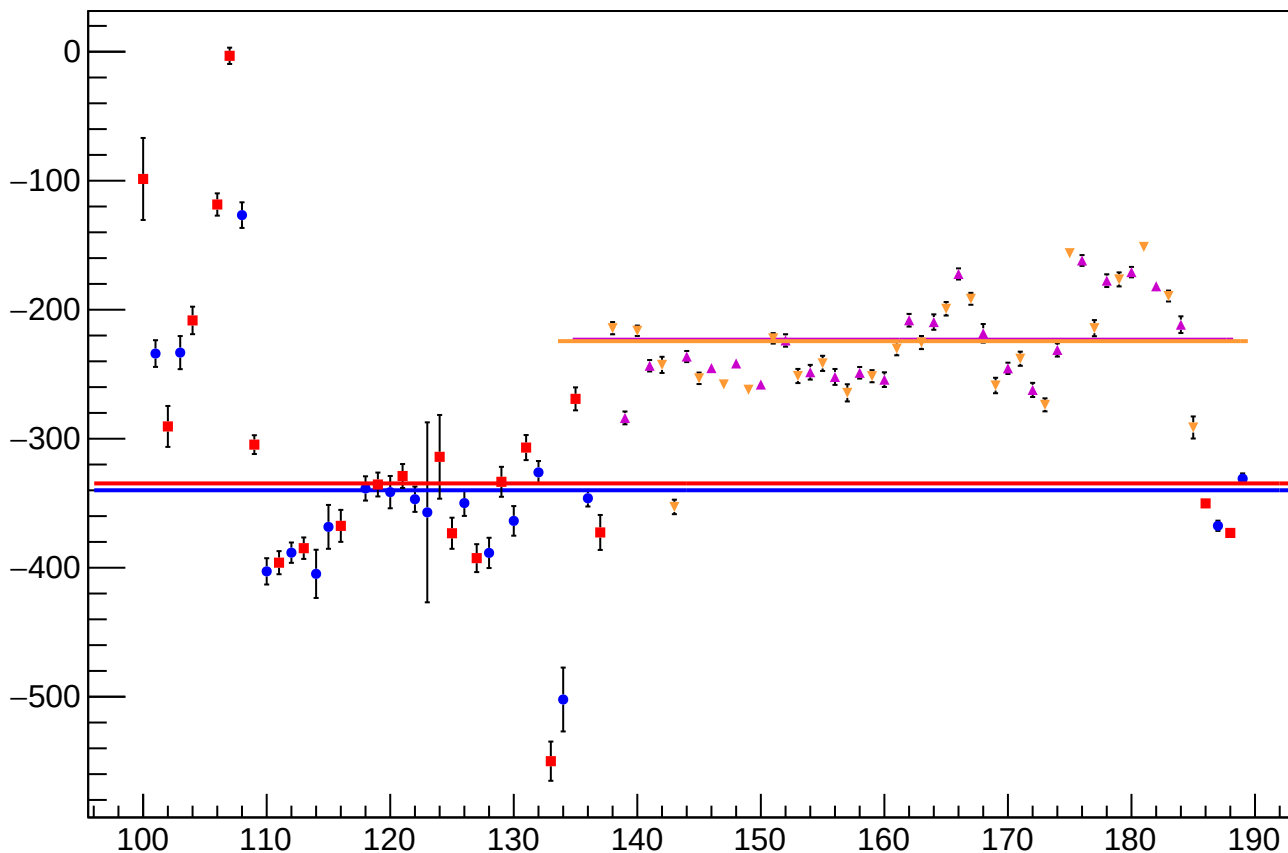
Right: 11.739+/-0.863 χ^2/NDF : 1313.8/39

In: 9.157+/-0.645 χ^2/NDF : 1125.6/41

Out: 6.500+/-0.603 χ^2/NDF : 1384.2/45

All: 7.739+/-0.440 χ^2/NDF : 2518.8/87

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -223.801 ± 0.681 χ^2/NDF : 3373.2/47

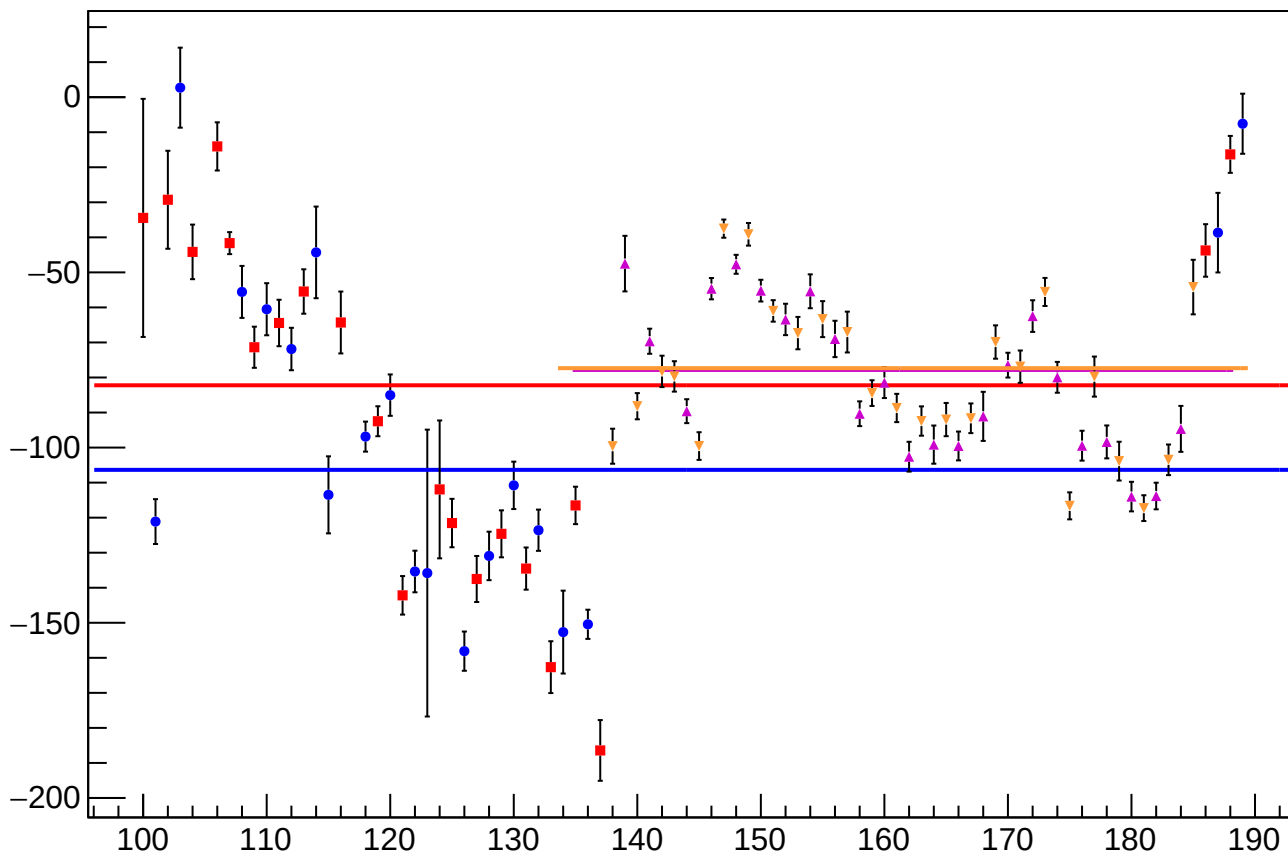
Right: -336.469 ± 1.121 χ^2/NDF : 5241.1/39

In: -247.060 ± 0.865 χ^2/NDF : 5080.1/41

Out: -260.021 ± 0.786 χ^2/NDF : 10793.4/45

All: -254.153 ± 0.582 χ^2/NDF : 15996.4/87

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.356 $\pm$ 1.559 χ^2 /NDF: 681.8/18

Left Out: -77.343 $\pm$ 0.827 χ^2 /NDF: 846.2/24

Right Out: -82.225 $\pm$ 1.362 χ^2 /NDF: 1170.5/20

Left In: -77.838 $\pm$ 0.849 χ^2 /NDF: 622.8/22

Left: -77.584 $\pm$ 0.592 χ^2 /NDF: 1469.2/47

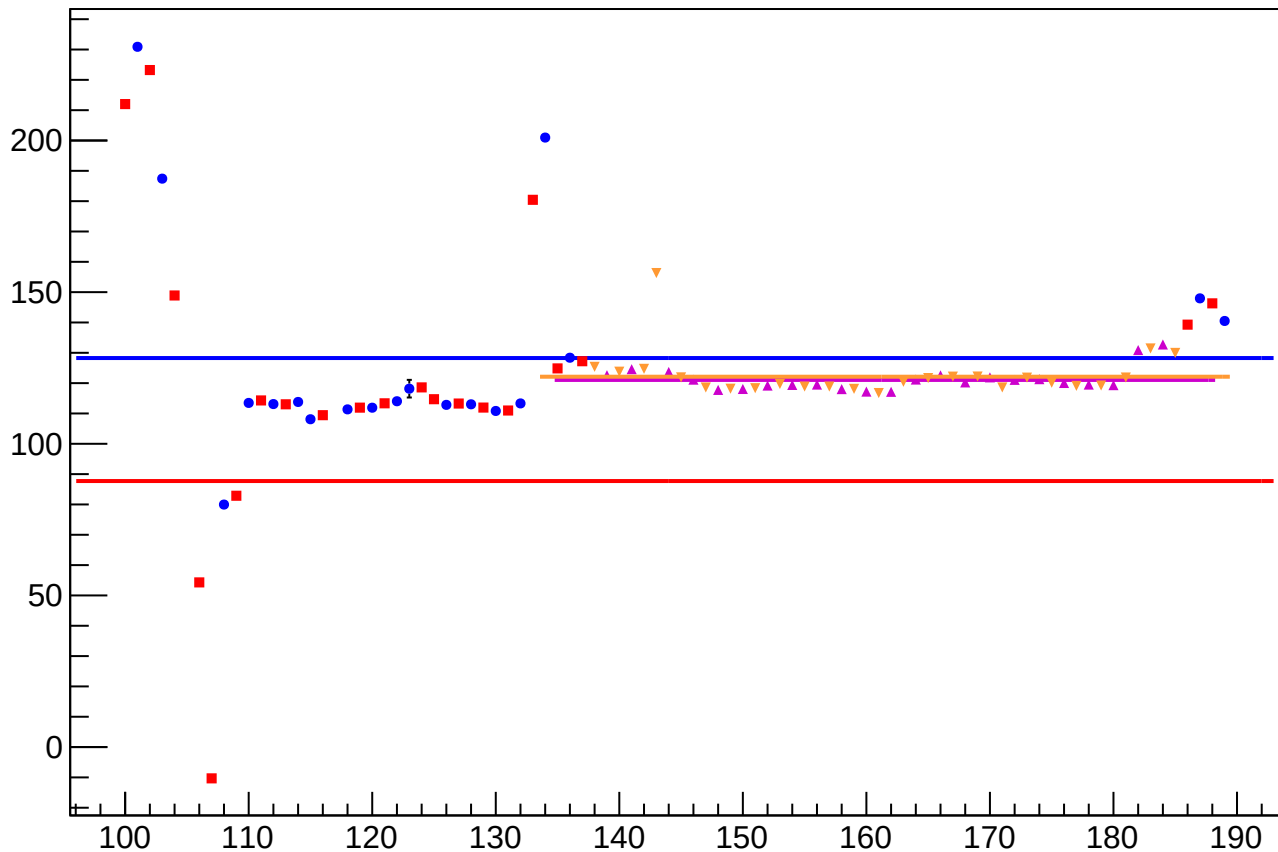
Right: -92.668 $\pm$ 1.025 χ^2 /NDF: 1988.2/39

In: -84.359 $\pm$ 0.745 χ^2 /NDF: 1562.7/41

Out: -78.658 $\pm$ 0.707 χ^2 /NDF: 2026.2/45

All: -81.356 $\pm$ 0.513 χ^2 /NDF: 3619.7/87

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 121.591 $\pm$ 0.028 χ^2 /NDF: 38773.7/47

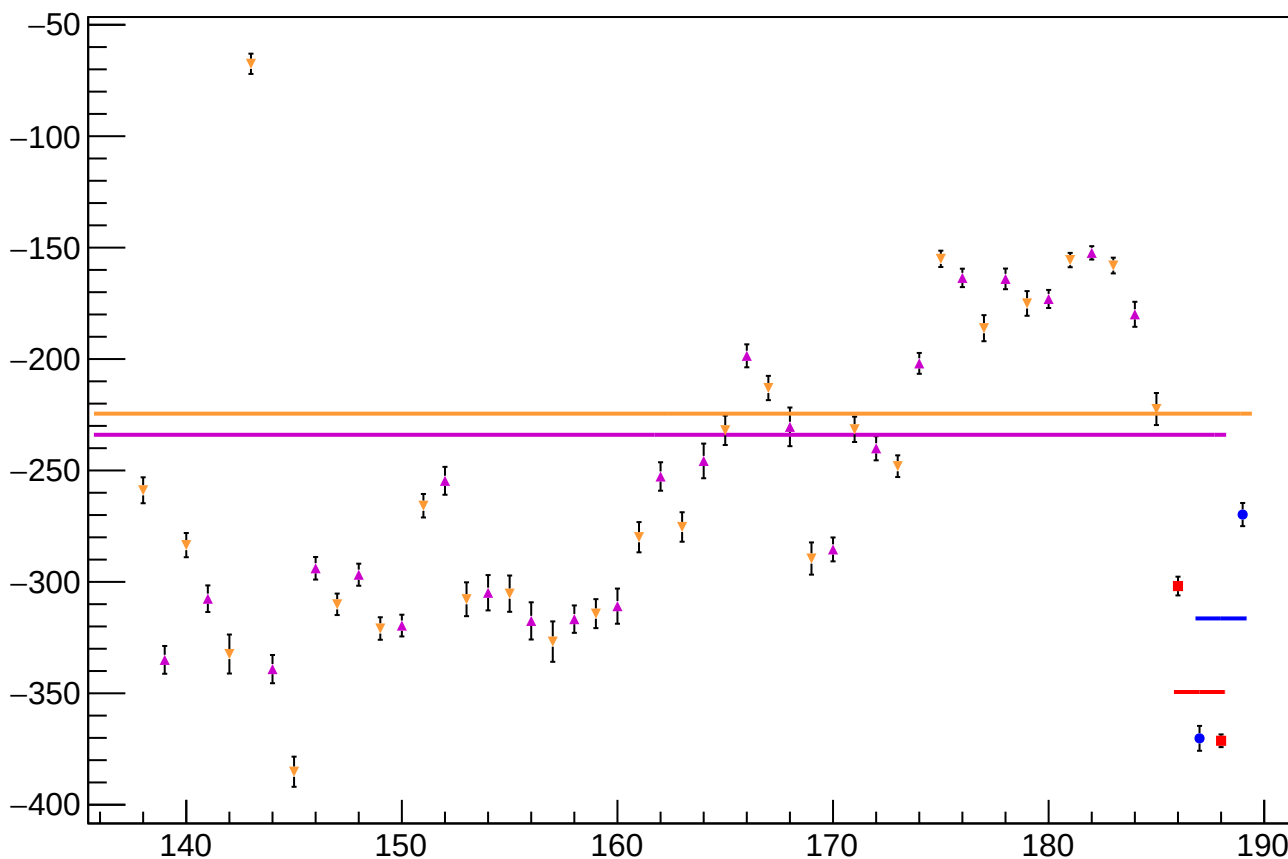
Right: 104.300 $\pm$ 0.056 χ^2 /NDF: 1139954.0/39

In: 122.305 $\pm$ 0.036 χ^2 /NDF:203236.1/41

Out: 114.226 $\pm$ 0.035 χ^2 /NDF:1026733.4/45

All: 118.090 $\pm$ 0.025 χ^2 /NDF: 1256048.6/87

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -316.399 ± 3.804 χ^2/NDF : 173.3/1

Left Out: -224.501 ± 1.079 χ^2/NDF : 4870.6/24

Right Out: -349.411 ± 2.360 χ^2/NDF : 186.8/1

Left In: -233.988 ± 1.109 χ^2/NDF : 3538.4/22

Left: -229.116 ± 0.773 χ^2/NDF : 8446.6/47

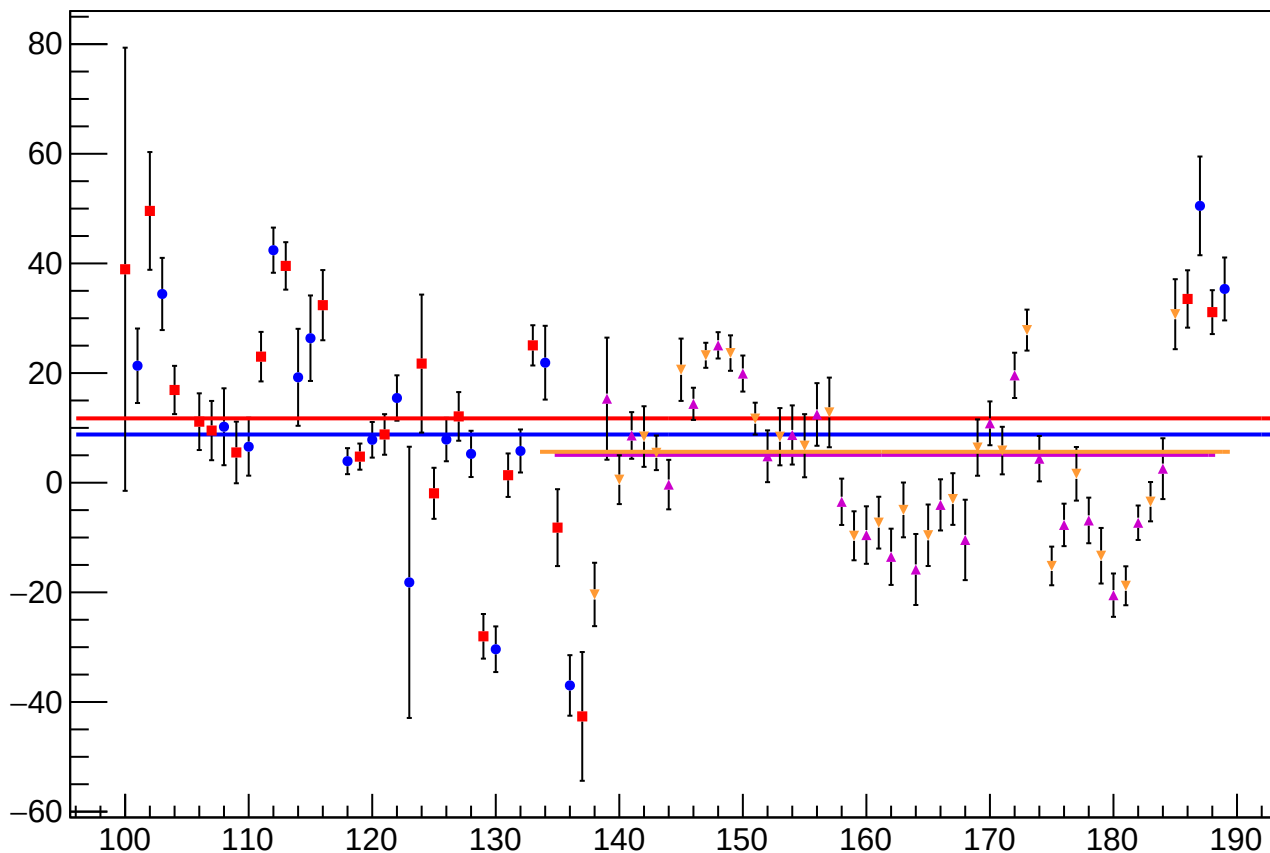
Right: -340.236 ± 2.006 χ^2/NDF : 414.5/3

In: -240.438 ± 1.064 χ^2/NDF : 4144.2/24

Out: -246.095 ± 0.981 χ^2/NDF : 7374.0/26

All: -243.495 ± 0.721 χ^2/NDF : 11533.5/51

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 239.7/22$

Left: 5.371 ± 0.599 $\chi^2/\text{NDF}: 553.6/47$

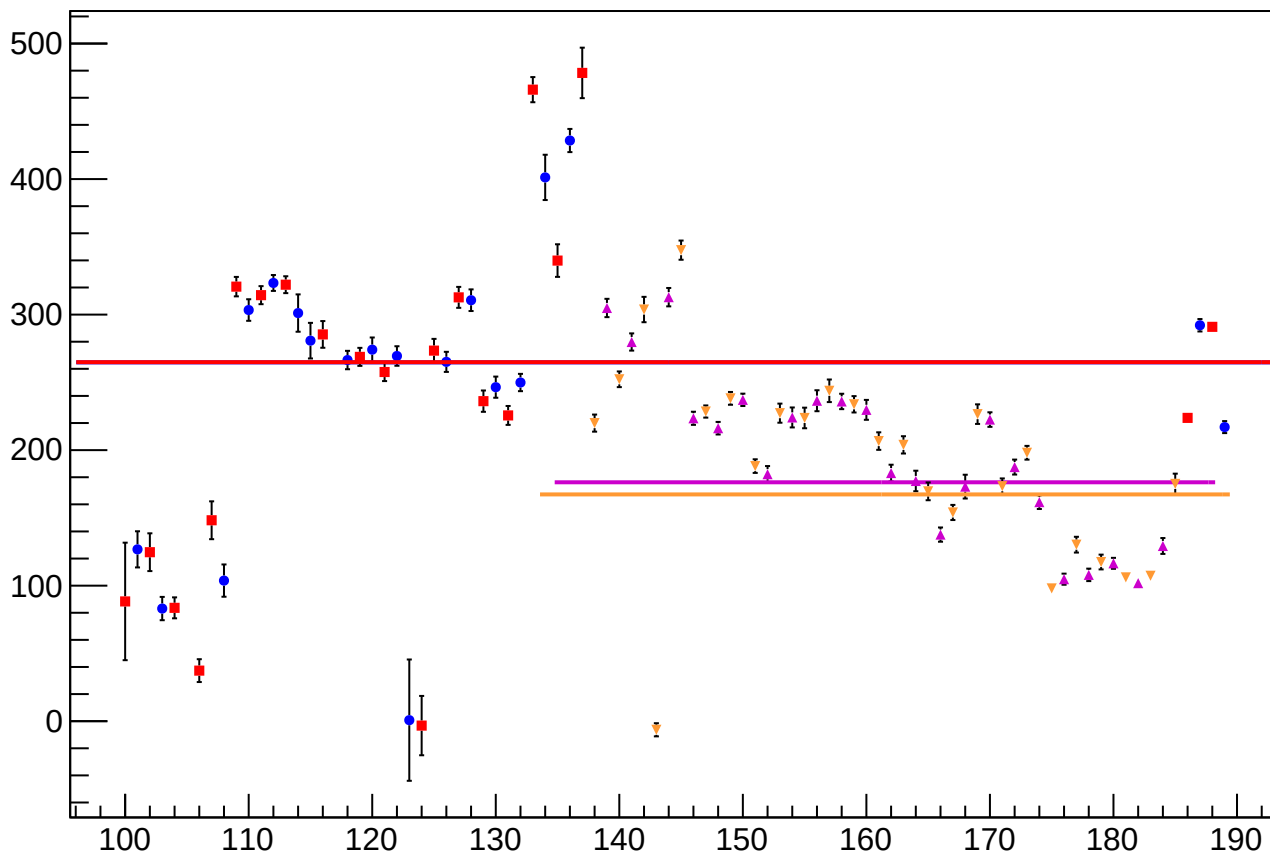
Right: 10.350 ± 0.739 $\chi^2/\text{NDF}: 586.7/39$

In: 6.542 ± 0.676 $\chi^2/\text{NDF}: 552.0/41$

Out: 8.069 ± 0.642 $\chi^2/\text{NDF}: 612.9/45$

All: 7.346 ± 0.466 $\chi^2/\text{NDF}: 1167.6/87$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 264.754+/-1.750 χ^2/NDF : 1533.3/18

Left Out: 167.327+/-1.082 χ^2/NDF : 4454.5/24

Right Out: 264.901+/-1.371 χ^2/NDF : 2824.8/20

Left In: 176.272+/-1.106 χ^2/NDF : 3169.5/22

Left: 171.704+/-0.774 χ^2/NDF : 7657.4/47

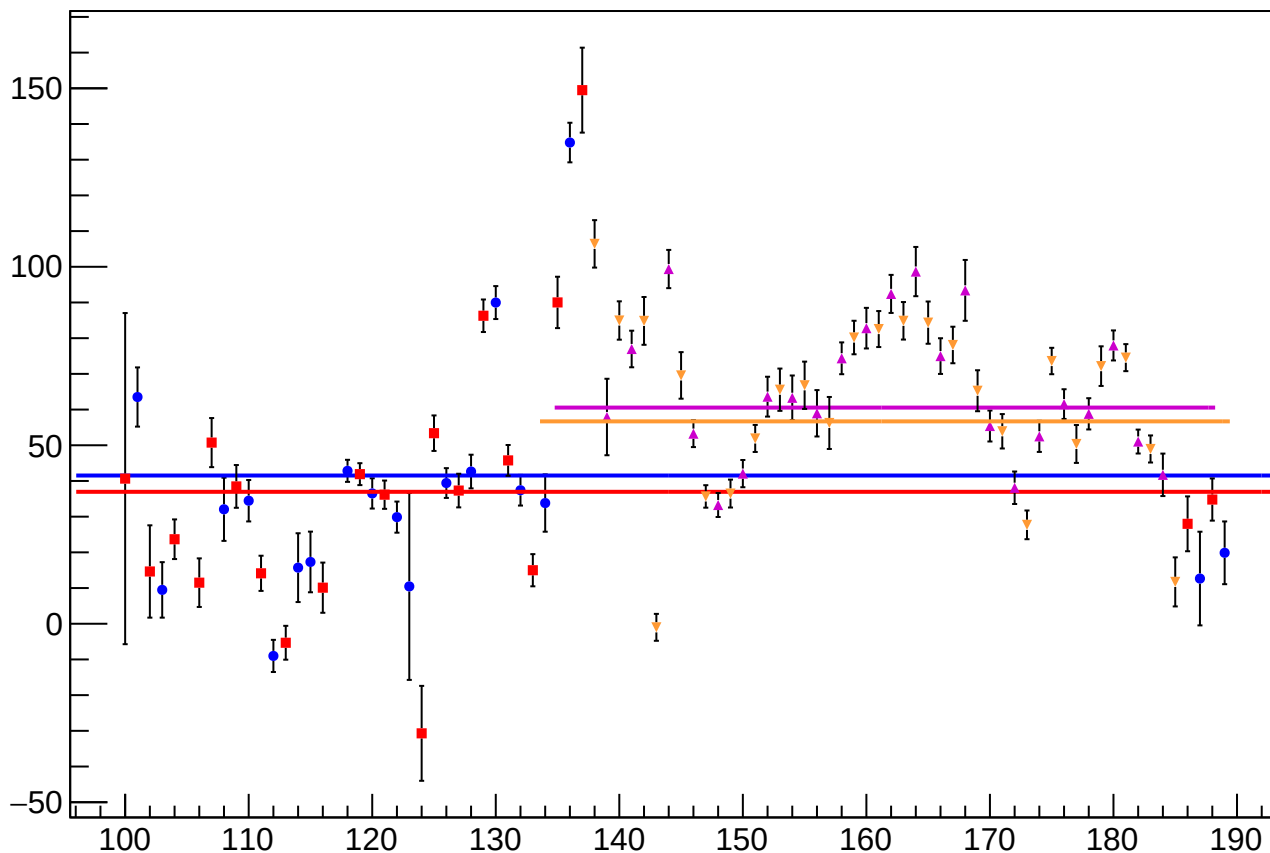
Right: 264.845+/-1.079 χ^2/NDF : 4358.1/39

In: 201.516+/-0.935 χ^2/NDF : 6529.8/41

Out: 204.809+/-0.850 χ^2/NDF : 10400.3/45

All: 203.319+/-0.629 χ^2/NDF : 16936.9/87

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 335.6/22$

Left: 58.548 ± 0.686 $\chi^2/\text{NDF}: 1034.0/47$

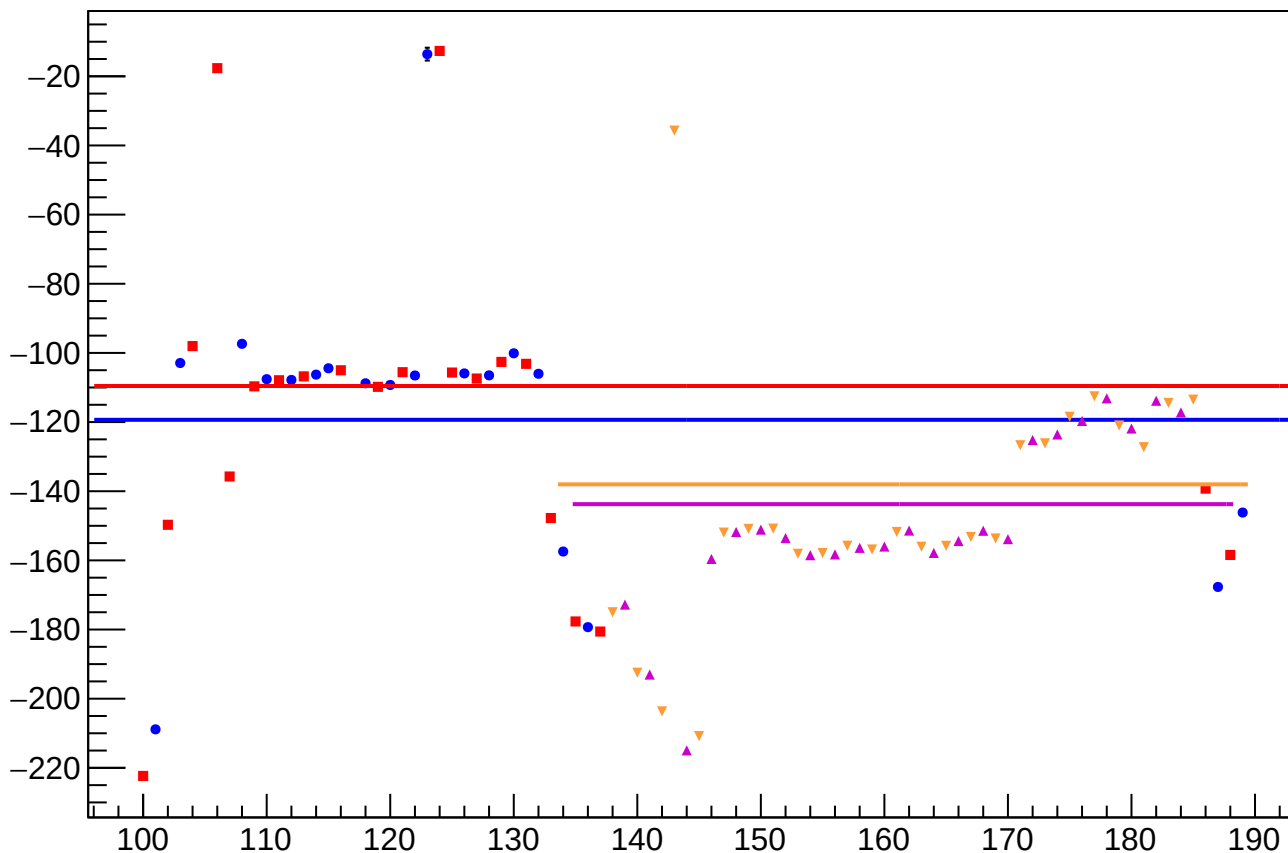
Right: 39.129 ± 0.867 $\chi^2/\text{NDF}: 1063.3/39$

In: 53.272 ± 0.778 $\chi^2/\text{NDF}: 1061.3/41$

Out: 49.043 ± 0.745 $\chi^2/\text{NDF}: 1329.2/45$

All: 51.065 ± 0.538 $\chi^2/\text{NDF}: 2406.0/87$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -119.347+/-0.077 χ^2/NDF : 151534.3/18

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -109.570+/-0.070 χ^2/NDF : 358524.7/20

Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

Left: -140.811+/-0.032 χ^2/NDF : 832055.2/47

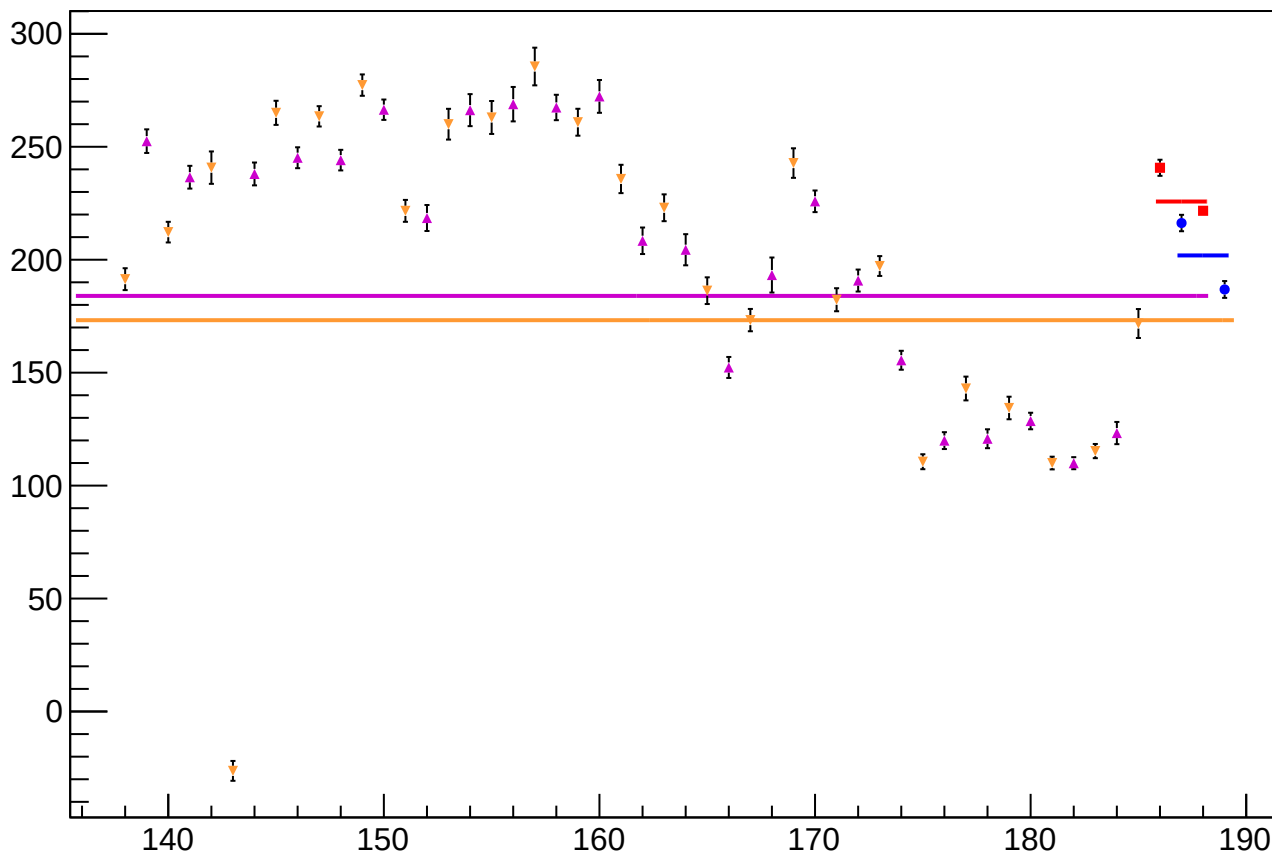
Right: -114.019+/-0.052 χ^2/NDF : 518931.6/39

In: -137.253+/-0.039 χ^2/NDF : 484338.6/41

Out: -129.661+/-0.038 χ^2/NDF : 1040845.2/45

All: -133.303+/-0.027 χ^2/NDF : 1544399.0/87

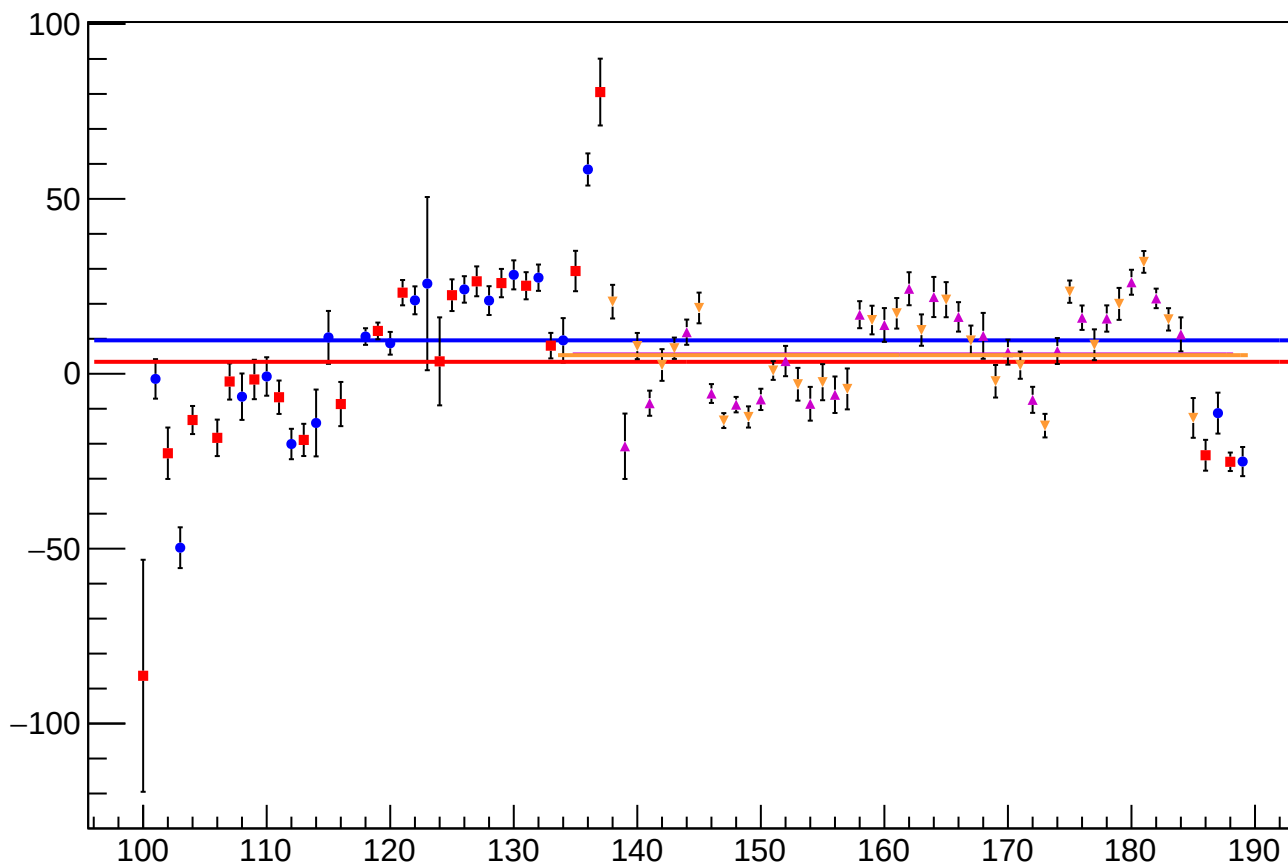
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 178.467 $\pm$ 0.692 χ^2 /NDF: 9520.1/47
 Right: 218.899 $\pm$ 1.394 χ^2 /NDF: 114.5/3
 In: 186.258 $\pm$ 0.926 χ^2 /NDF:3687.2/24
 Out: 186.618 $\pm$ 0.834 χ^2 /NDF:6622.7/26
 All: 186.457 $\pm$ 0.619 χ^2 /NDF: 10310.0/51

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 5.420 ± 0.540 χ^2/NDF : 601.9/47

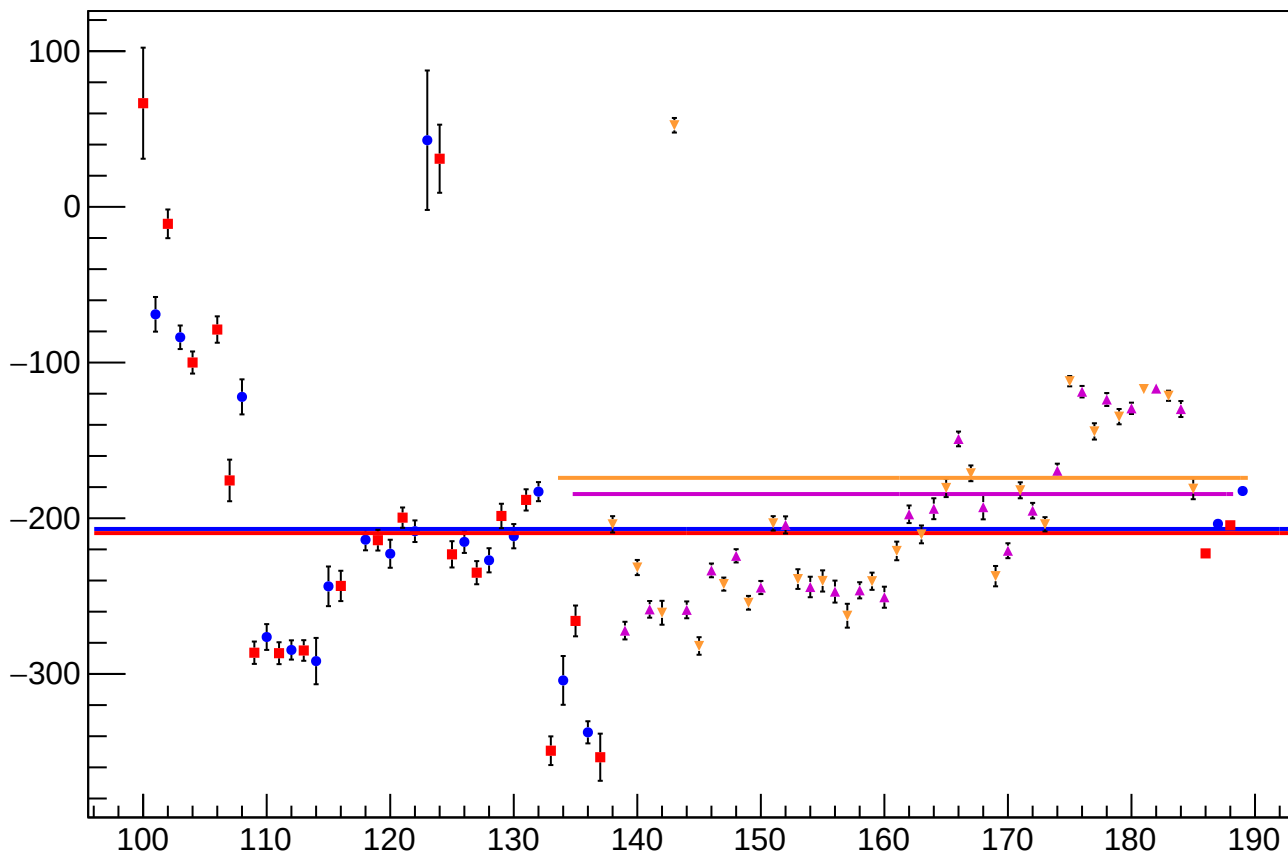
Right: 6.257 ± 0.698 χ^2/NDF : 939.5/39

In: 7.005 ± 0.621 χ^2/NDF : 704.6/41

Out: 4.595 ± 0.588 χ^2/NDF : 829.7/45

All: 5.733 ± 0.427 χ^2/NDF : 1542.2/87

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -179.154 ± 0.693 χ^2/NDF : 8551.0/47

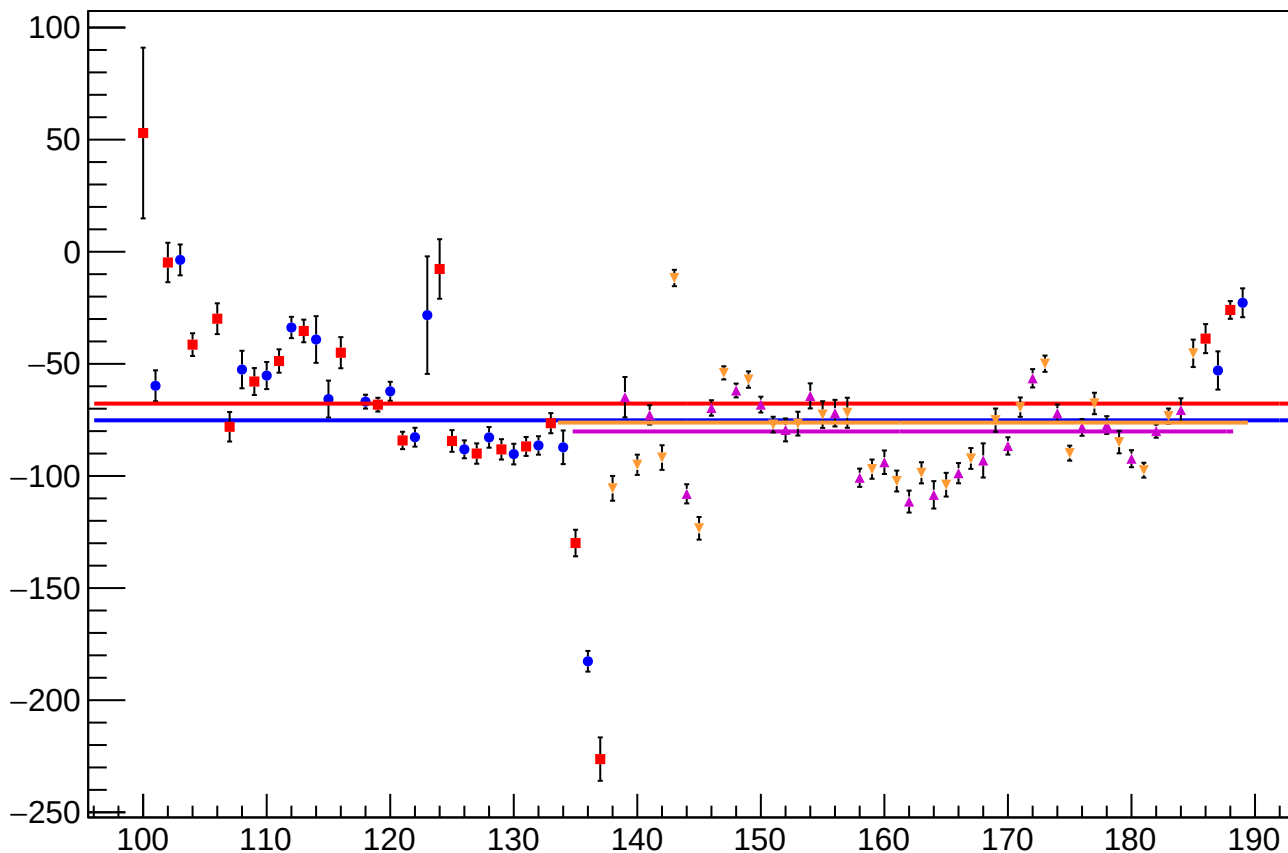
Right: -208.595 ± 0.878 χ^2/NDF : 3161.9/39

In: -191.421 ± 0.822 χ^2/NDF : 4452.1/41

Out: -189.718 ± 0.726 χ^2/NDF : 7951.0/45

All: -190.463 ± 0.544 χ^2/NDF : 12405.5/87

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -78.094 ± 0.617 χ^2/NDF : 1094.6/47

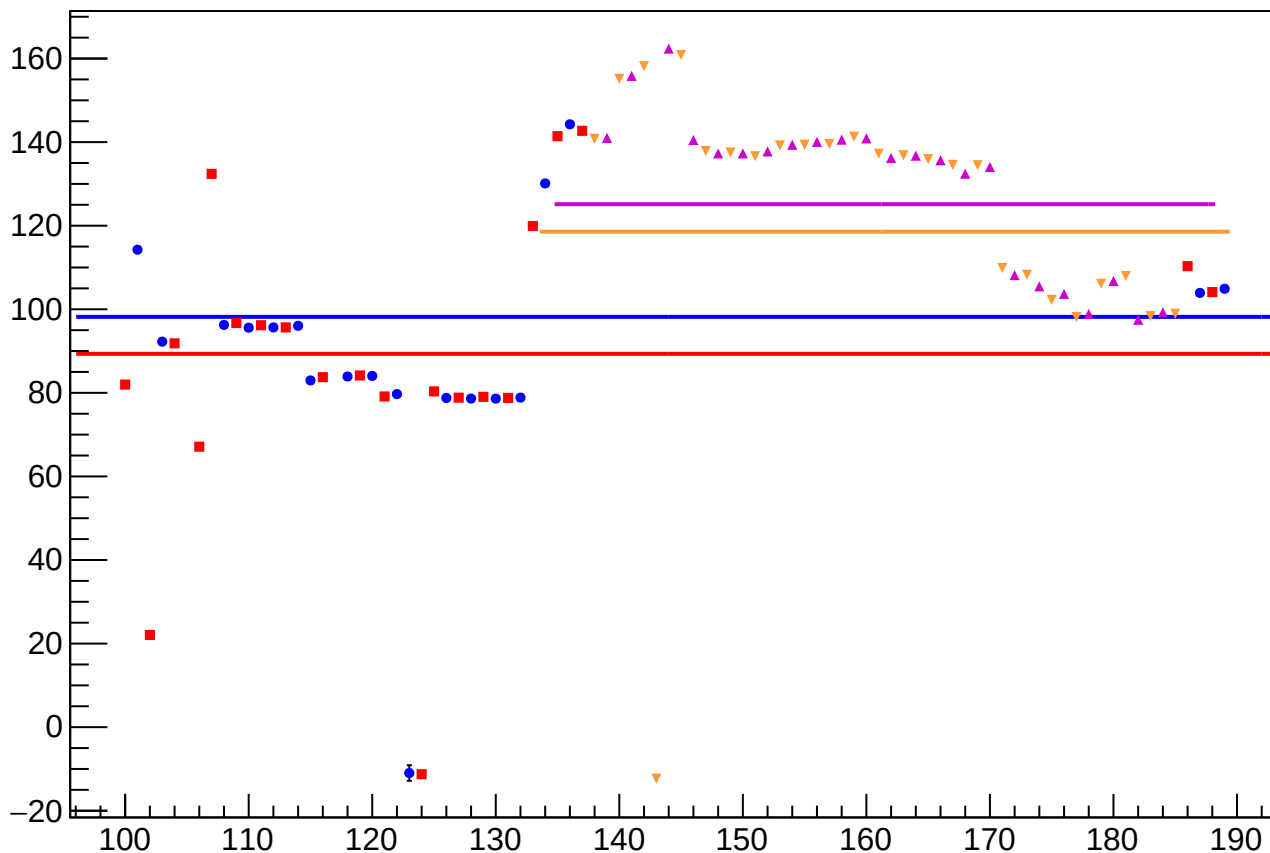
Right: -71.238 ± 0.827 χ^2/NDF : 1731.8/39

In: -78.398 ± 0.715 χ^2/NDF : 1187.5/41

Out: -73.118 ± 0.685 χ^2/NDF : 1654.5/45

All: -75.642 ± 0.495 χ^2/NDF : 2870.5/87

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 121.790 $\pm$ 0.029 χ^2 /NDF: 962526.8/47

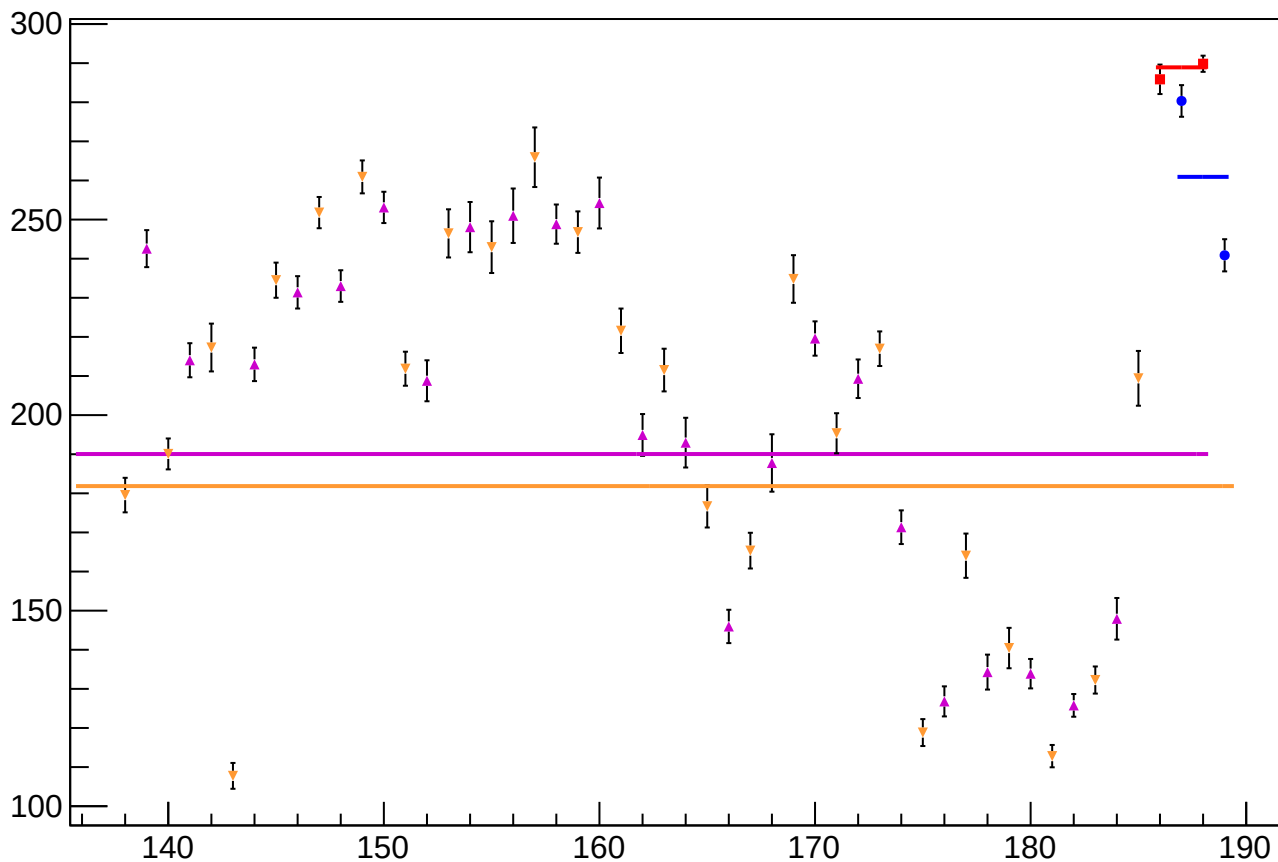
Right: 93.317 $\pm$ 0.048 χ^2 /NDF: 332154.9/39

In: 118.327 $\pm$ 0.036 χ^2 /NDF: 423258.9/41

Out: 110.254 $\pm$ 0.034 χ^2 /NDF: 1105961.9/45

All: 114.125 $\pm$ 0.025 χ^2 /NDF: 1555854.2/87

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 260.923+/-2.885 χ^2/NDF : 46.8/1

Left Out: 181.850+/-0.913 χ^2/NDF : 3303.4/24

Right Out: 288.923+/-1.813 χ^2/NDF : 0.9/1

Left In: 190.048+/-0.953 χ^2/NDF : 2438.4/22

Left: 185.775+/-0.659 χ^2/NDF : 5780.3/47

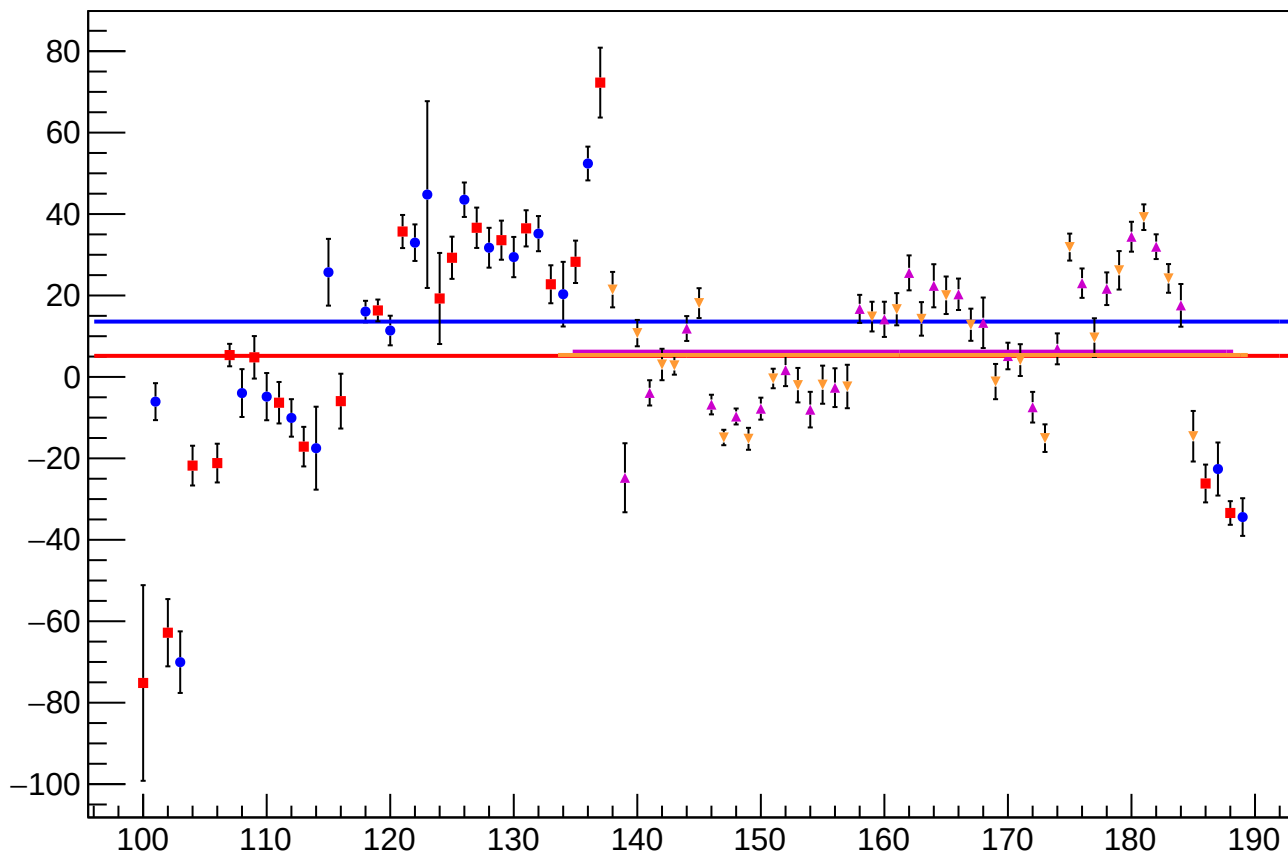
Right: 280.997+/-1.535 χ^2/NDF : 115.2/3

In: 197.019+/-0.905 χ^2/NDF : 3029.4/24

Out: 203.529+/-0.816 χ^2/NDF : 6086.7/26

All: 200.610+/-0.606 χ^2/NDF : 9144.6/51

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.591+/-1.116 χ^2/NDF : 545.8/18

Left Out: 5.394+/-0.688 χ^2/NDF : 526.5/24

Right Out: 5.174+/-0.993 χ^2/NDF : 707.9/20

Left In: 6.206+/-0.732 χ^2/NDF : 407.5/22

Left: 5.775+/-0.501 χ^2/NDF : 934.7/47

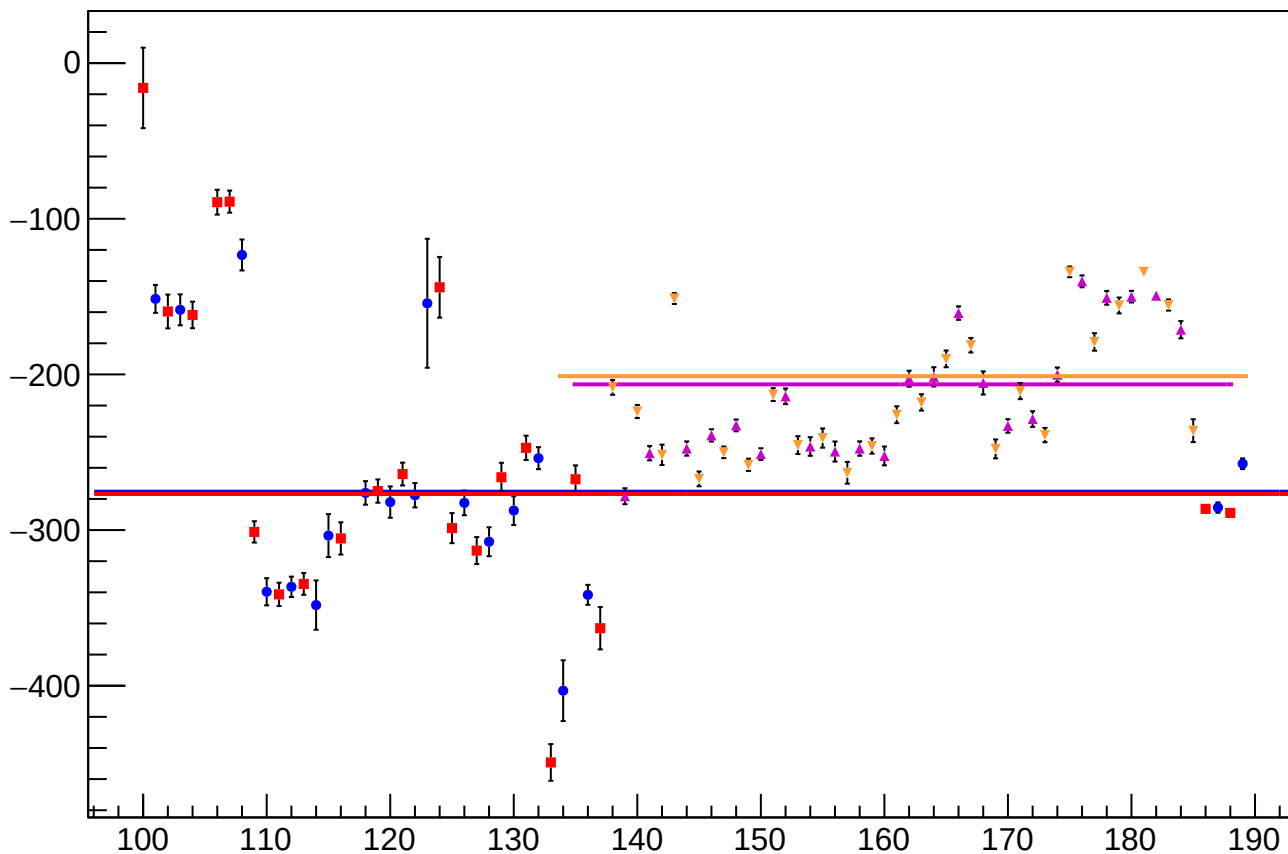
Right: 8.893+/-0.742 χ^2/NDF : 1285.4/39

In: 8.427+/-0.612 χ^2/NDF : 983.9/41

Out: 5.322+/-0.565 χ^2/NDF : 1234.4/45

All: 6.752+/-0.415 χ^2/NDF : 2232.2/87

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -275.356 ± 1.612 χ^2/NDF : 949.1/18

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -276.834 ± 1.181 χ^2/NDF : 2221.6/20

Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

Left: -203.672 ± 0.660 χ^2/NDF : 4616.1/47

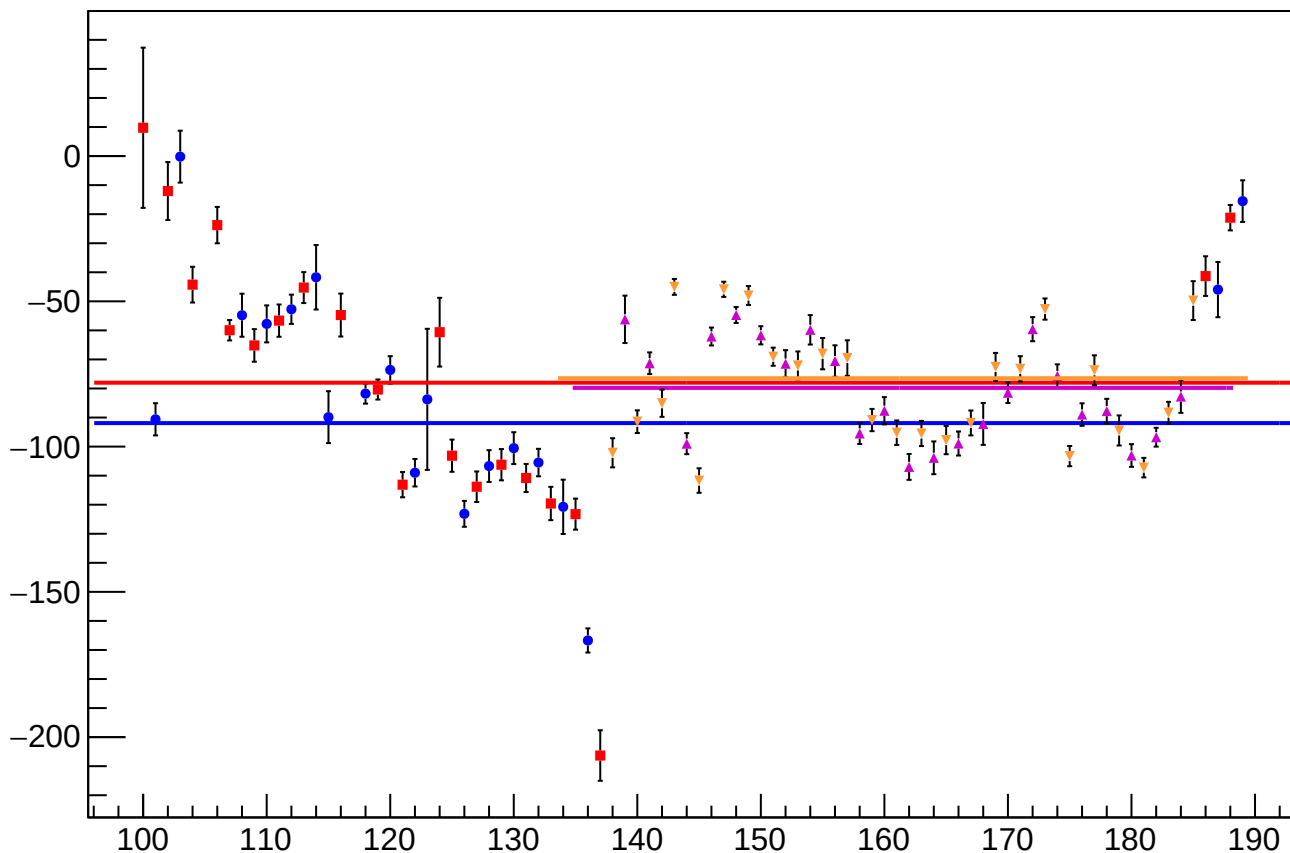
Right: -276.318 ± 0.952 χ^2/NDF : 3171.3/39

In: -224.148 ± 0.818 χ^2/NDF : 4420.0/41

Out: -229.658 ± 0.725 χ^2/NDF : 7272.4/45

All: -227.236 ± 0.542 χ^2/NDF : 11717.7/87

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -78.038 ± 0.578 χ^2/NDF : 1201.9/47

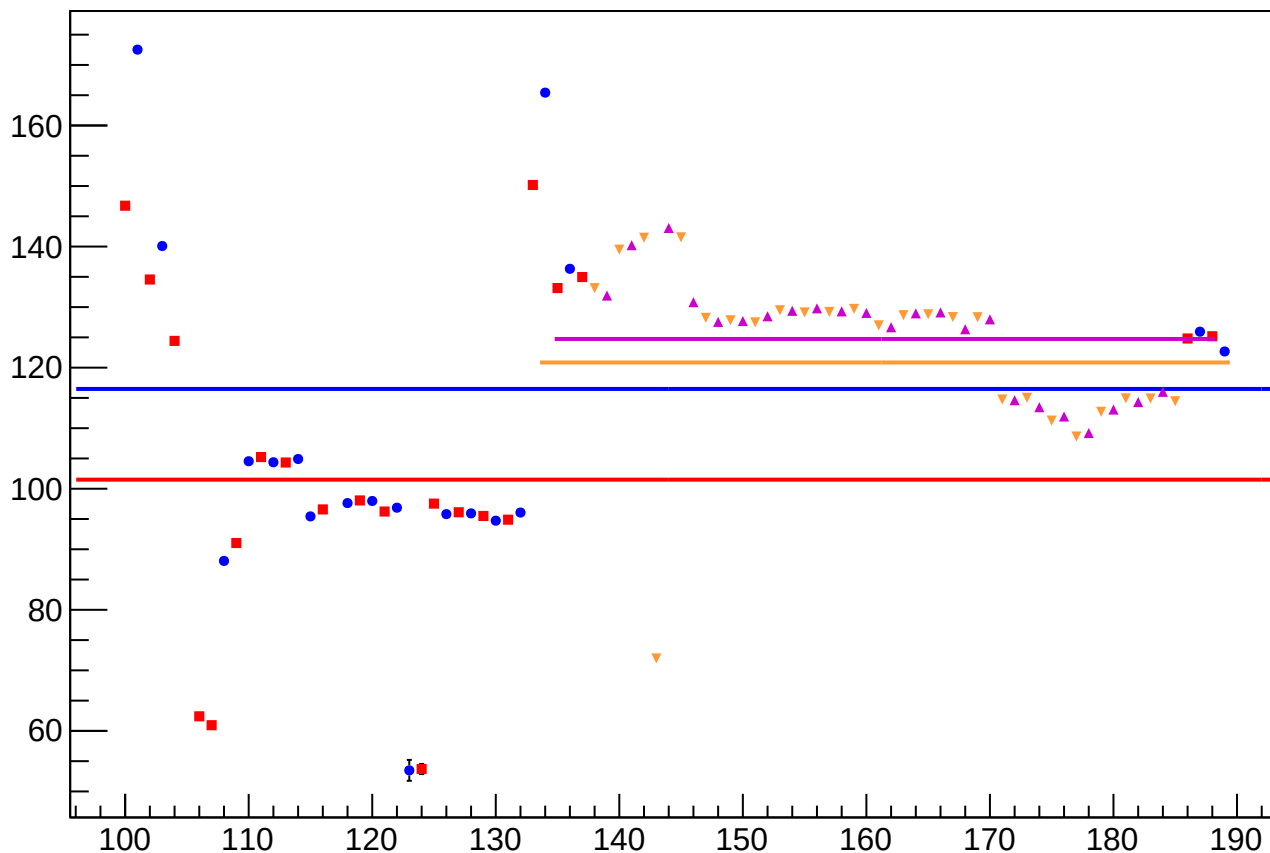
Right: -84.308 ± 0.881 χ^2/NDF : 1877.2/39

In: -83.329 ± 0.707 χ^2/NDF : 1286.5/41

Out: -76.937 ± 0.662 χ^2/NDF : 1784.5/45

All: -79.926 ± 0.483 χ^2/NDF : 3114.6/87

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 122.737+/-0.027 χ^2/NDF : 239101.1/47

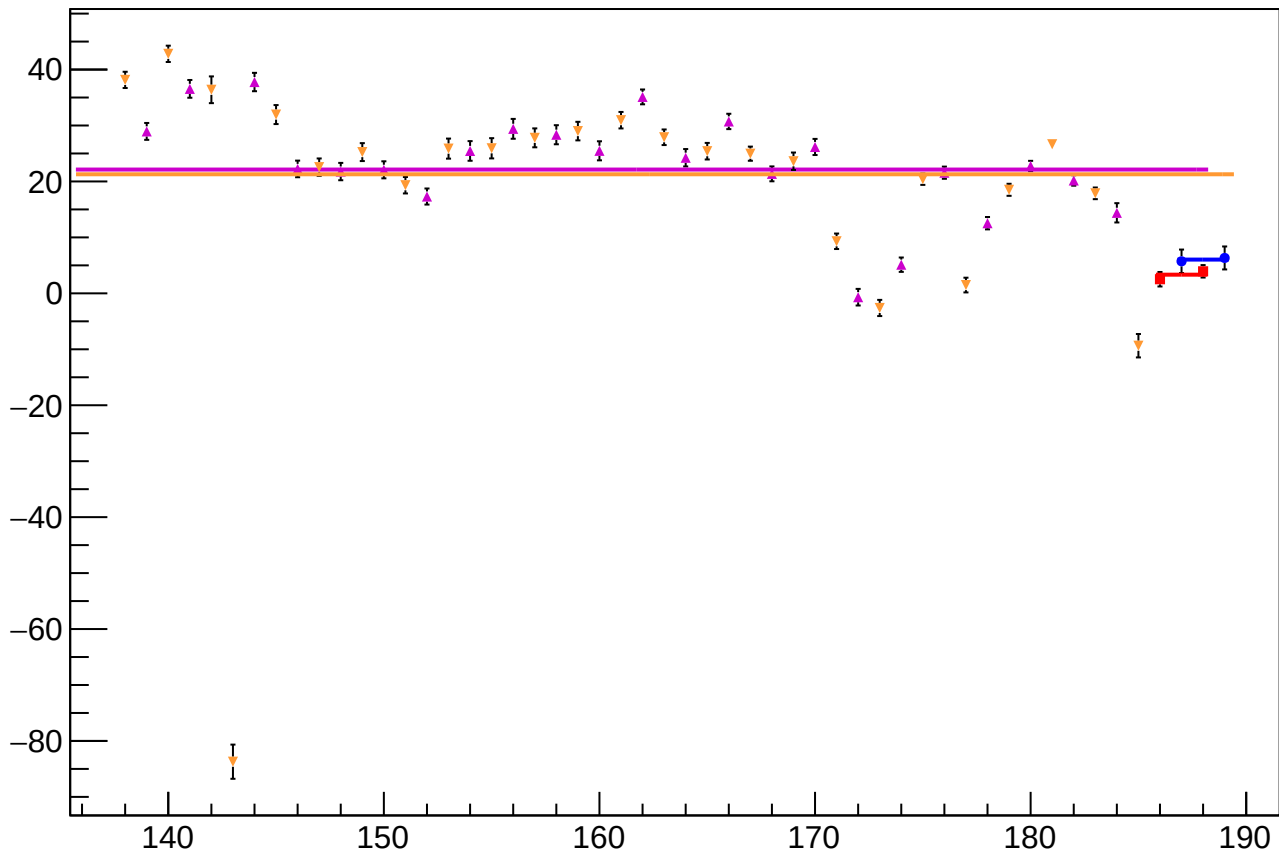
Right: 107.865+/-0.049 χ^2/NDF : 315694.5/39

In: 122.996+/-0.035 χ^2/NDF :166950.7/41

Out: 115.940+/-0.033 χ^2/NDF :435414.7/45

All: 119.260+/-0.024 χ^2/NDF : 624051.7/87

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.035 ± 1.467 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 21.282 ± 0.282 $\chi^2/\text{NDF}: 2600.5/24$

Right Out: 3.337 ± 0.844 $\chi^2/\text{NDF}: 0.7/1$

Left In: 22.127 ± 0.285 $\chi^2/\text{NDF}: 900.2/22$

Left: 21.700 ± 0.201 $\chi^2/\text{NDF}: 3505.2/47$

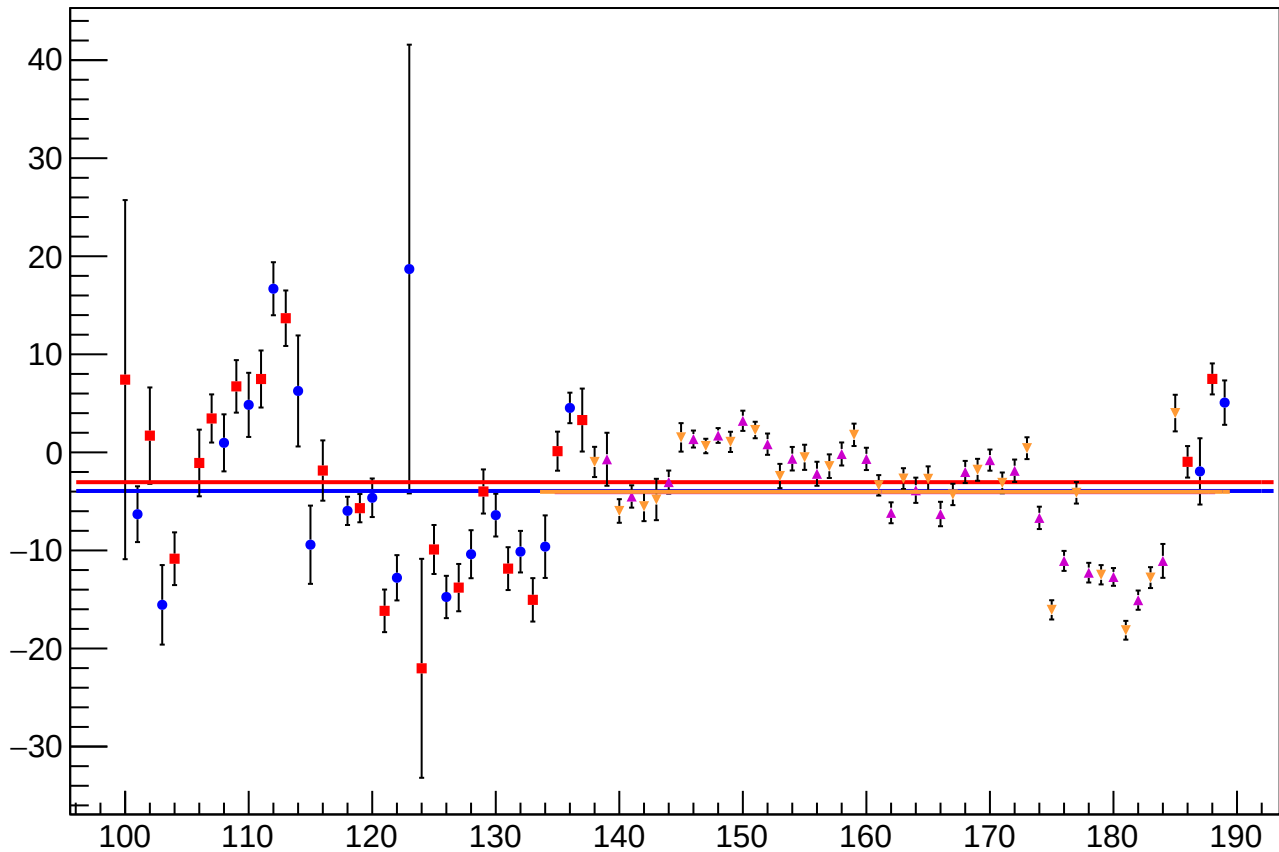
Right: 4.008 ± 0.732 $\chi^2/\text{NDF}: 3.3/3$

In: 21.539 ± 0.280 $\chi^2/\text{NDF}: 1016.3/24$

Out: 19.476 ± 0.268 $\chi^2/\text{NDF}: 3007.4/26$

All: 20.461 ± 0.194 $\chi^2/\text{NDF}: 4052.0/51$

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 577.2/22$

Left: -4.040 ± 0.159 $\chi^2/\text{NDF}: 1311.4/47$

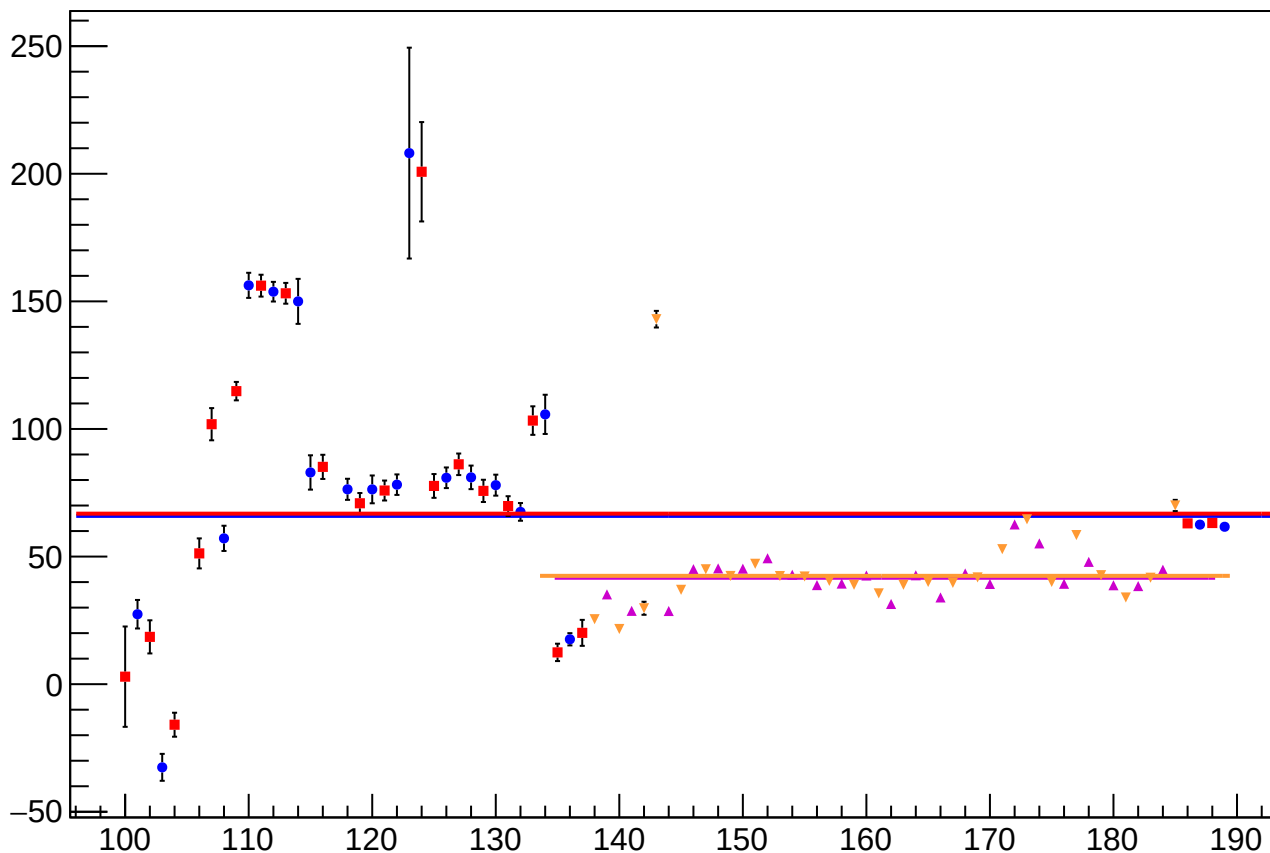
Right: -3.452 ± 0.382 $\chi^2/\text{NDF}: 439.2/39$

In: -4.041 ± 0.211 $\chi^2/\text{NDF}: 768.1/41$

Out: -3.869 ± 0.205 $\chi^2/\text{NDF}: 984.1/45$

All: -3.952 ± 0.147 $\chi^2/\text{NDF}: 1752.6/87$

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 65.942 ± 0.814 χ^2/NDF : 1861.3/18

Left Out: 42.452 ± 0.282 χ^2/NDF : 2016.0/24

Right Out: 66.815 ± 0.574 χ^2/NDF : 1986.6/20

Left In: 41.695 ± 0.284 χ^2/NDF : 630.2/22

Left: 42.077 ± 0.200 χ^2/NDF : 2649.8/47

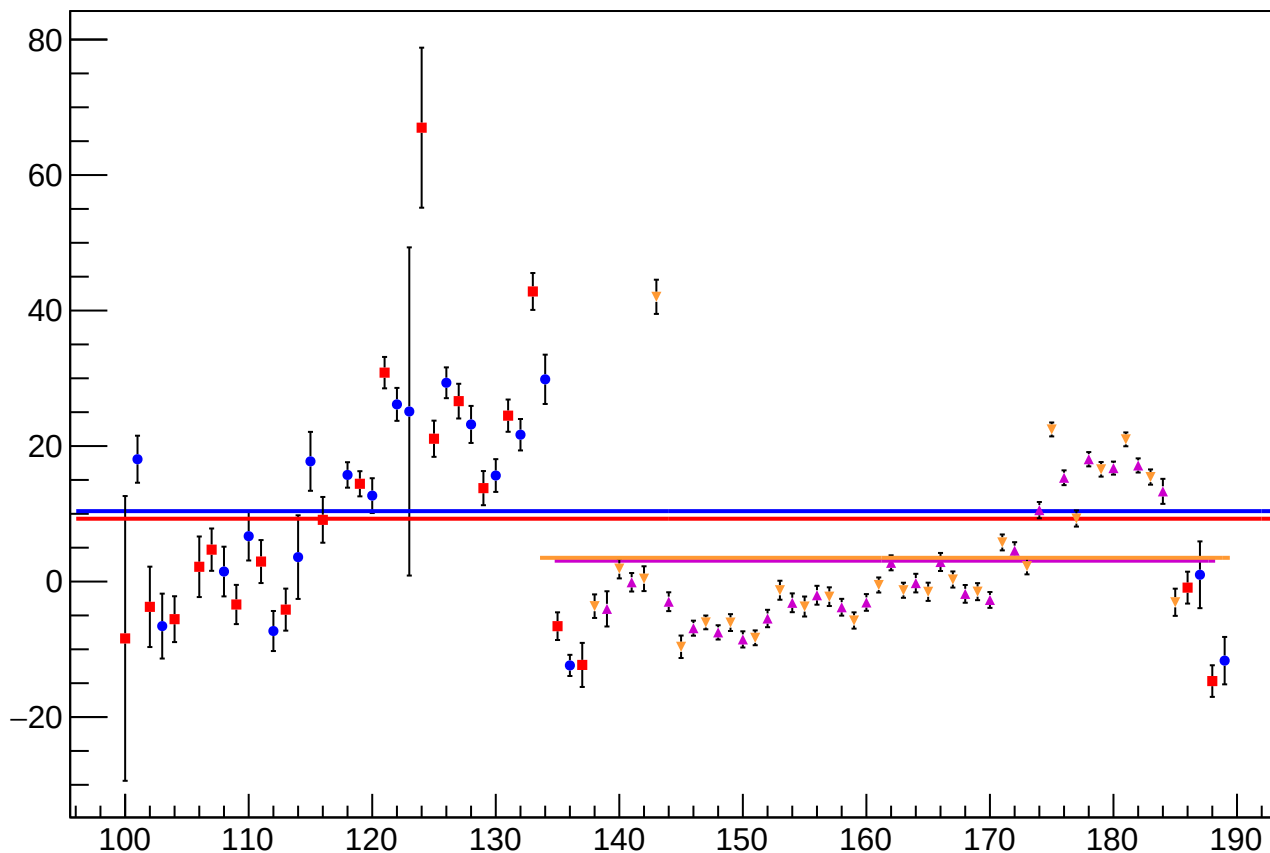
Right: 66.525 ± 0.469 χ^2/NDF : 3848.7/39

In: 44.325 ± 0.268 χ^2/NDF : 3281.6/41

Out: 47.187 ± 0.253 χ^2/NDF : 5453.9/45

All: 45.840 ± 0.184 χ^2/NDF : 8795.7/87

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 3.297 $\pm$ 0.180 χ^2 /NDF: 2958.4/47

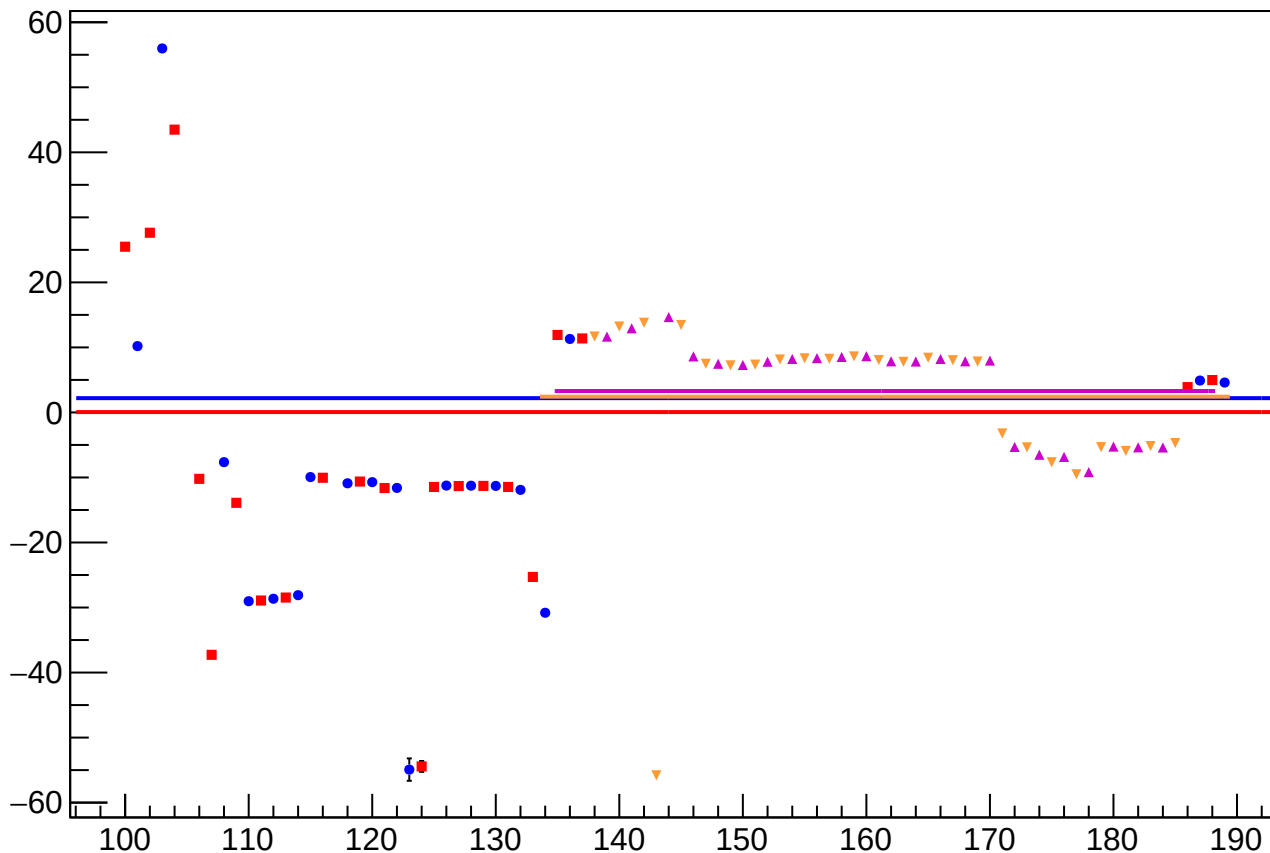
Right: 9.806 $\pm$ 0.447 χ^2 /NDF: 1200.5/39

In: 4.072 $\pm$ 0.239 χ^2 /NDF:1895.2/41

Out: 4.331 $\pm$ 0.234 χ^2 /NDF:2445.2/45

All: 4.204 $\pm$ 0.167 χ^2 /NDF: 4341.0/87

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 2.855 $\pm$ 0.008 χ^2 /NDF: 1023497.1/47

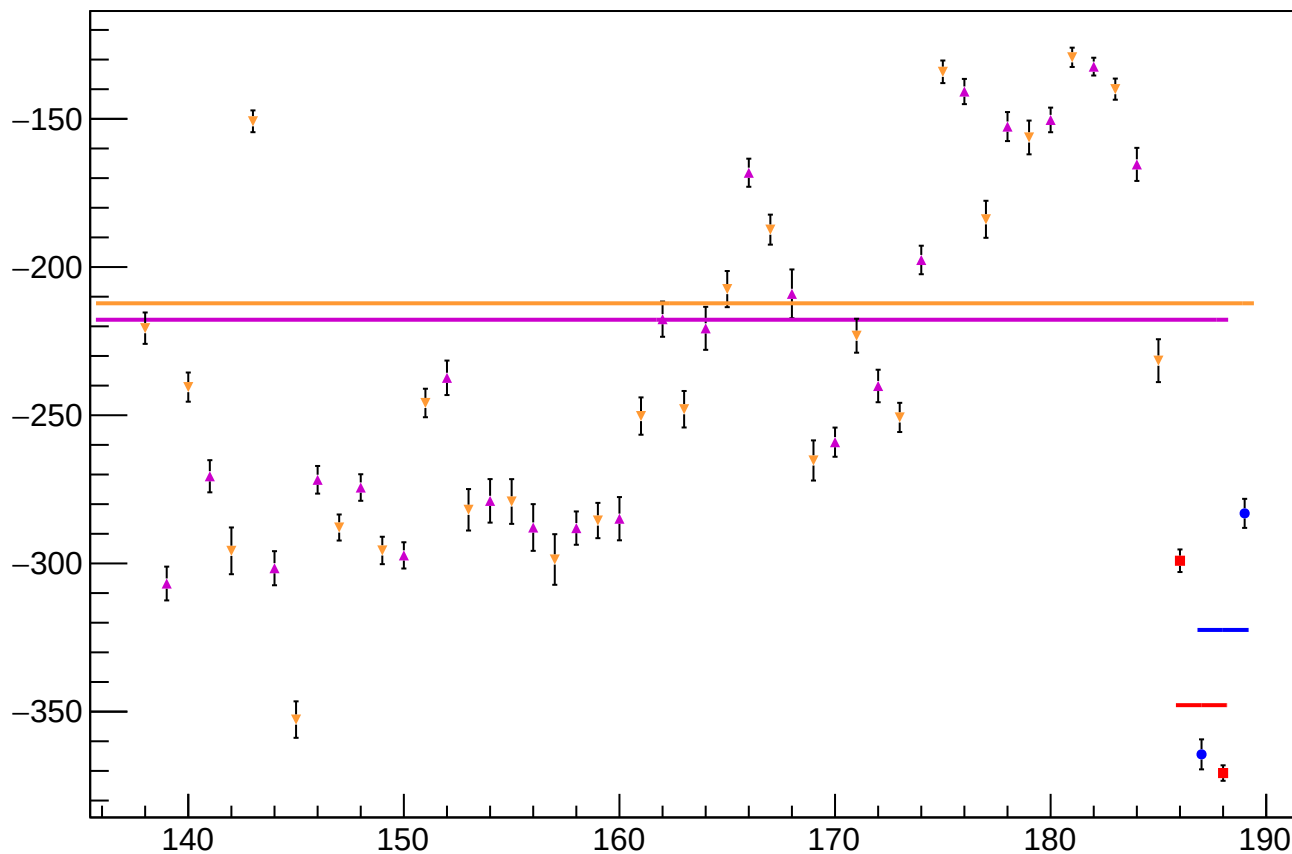
Right: 1.086 $\pm$ 0.025 χ^2 /NDF: 723910.7/39

In: 3.188 $\pm$ 0.011 χ^2 /NDF: 763418.3/41

Out: 2.186 $\pm$ 0.011 χ^2 /NDF: 984430.6/45

All: 2.681 $\pm$ 0.008 χ^2 /NDF: 1751977.0/87

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -214.906 ± 0.741 χ^2/NDF : 7338.3/47

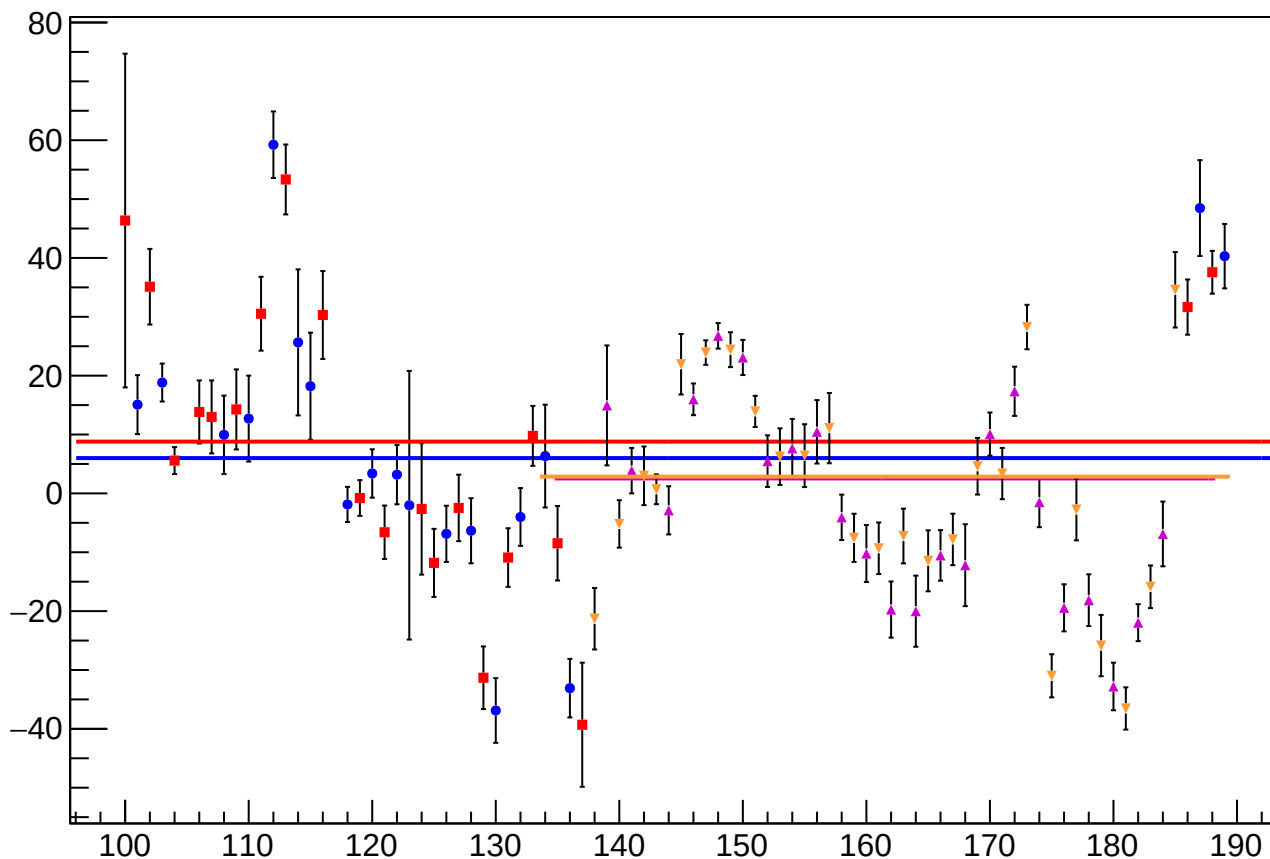
Right: -340.901 ± 1.838 χ^2/NDF : 411.5/3

In: -226.581 ± 1.021 χ^2/NDF : 4391.6/24

Out: -237.431 ± 0.929 χ^2/NDF : 7340.2/26

All: -232.518 ± 0.687 χ^2/NDF : 11793.6/51

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.997 ± 1.201 $\chi^2/\text{NDF}: 326.5/18$

Left Out: 2.848 ± 0.775 $\chi^2/\text{NDF}: 582.1/24$

Right Out: 8.795 ± 1.075 $\chi^2/\text{NDF}: 325.2/20$

Left In: 2.540 ± 0.822 $\chi^2/\text{NDF}: 473.6/22$

Left: 2.703 ± 0.564 $\chi^2/\text{NDF}: 1055.8/47$

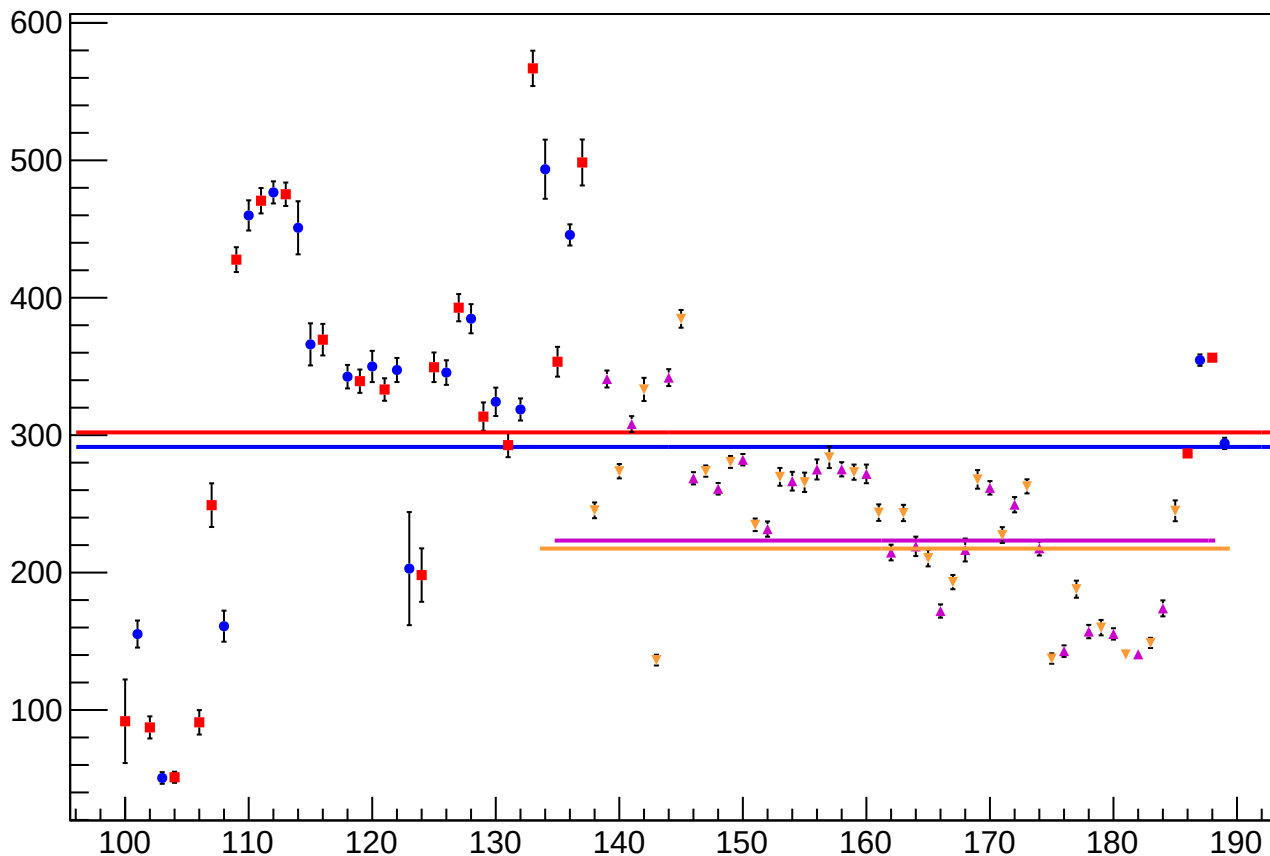
Right: 7.552 ± 0.801 $\chi^2/\text{NDF}: 654.8/39$

In: 3.643 ± 0.679 $\chi^2/\text{NDF}: 805.8/41$

Out: 4.882 ± 0.628 $\chi^2/\text{NDF}: 927.5/45$

All: 4.310 ± 0.461 $\chi^2/\text{NDF}: 1735.1/87$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 220.314 $\pm$ 0.740 χ^2 /NDF: 7163.0/47

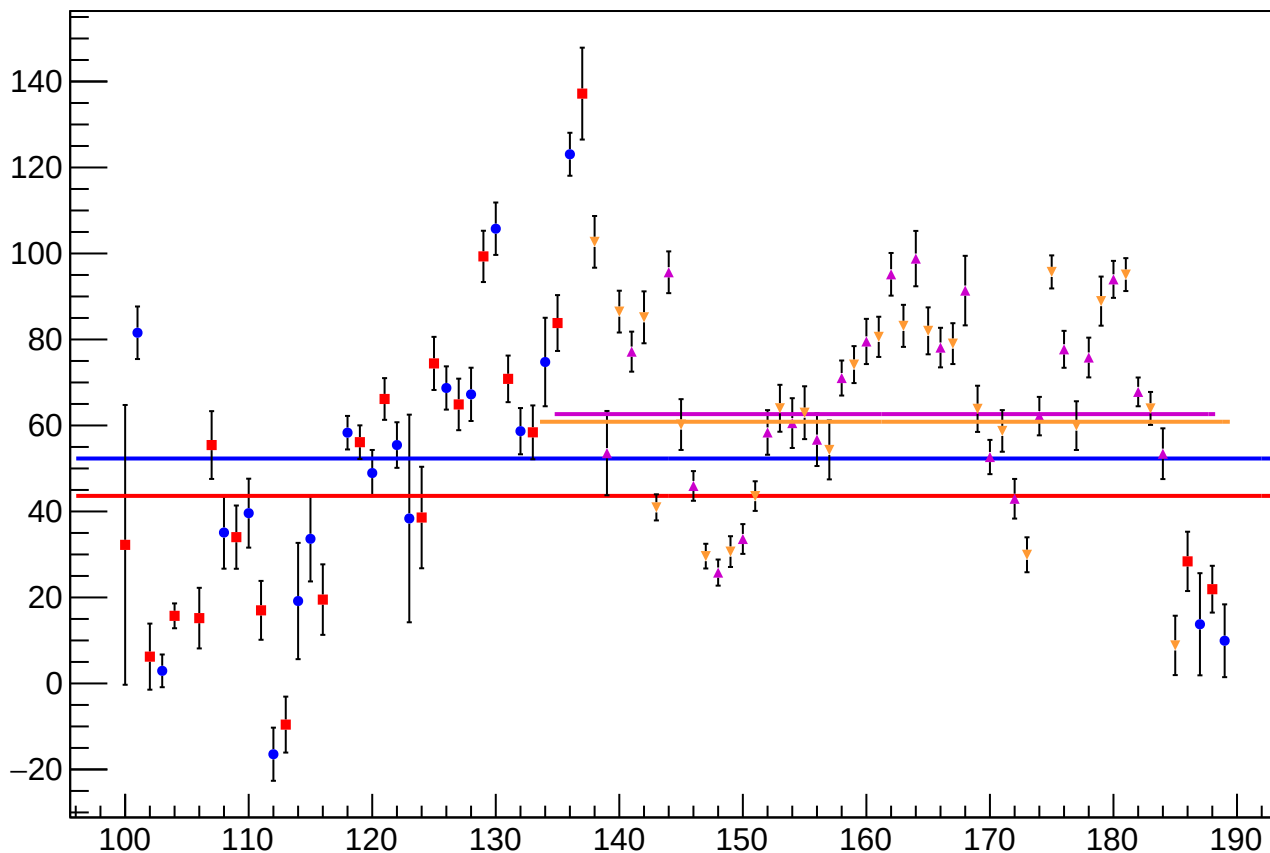
Right: 298.170 $\pm$ 1.061 χ^2 /NDF: 13039.3/39

In: 241.464 $\pm$ 0.909 χ^2 /NDF:9868.3/41

Out: 249.267 $\pm$ 0.815 χ^2 /NDF:13913.1/45

All: 245.790 $\pm$ 0.607 χ^2 /NDF: 23822.2/87

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 61.707 $\pm$ 0.650 χ^2 /NDF: 1248.9/47

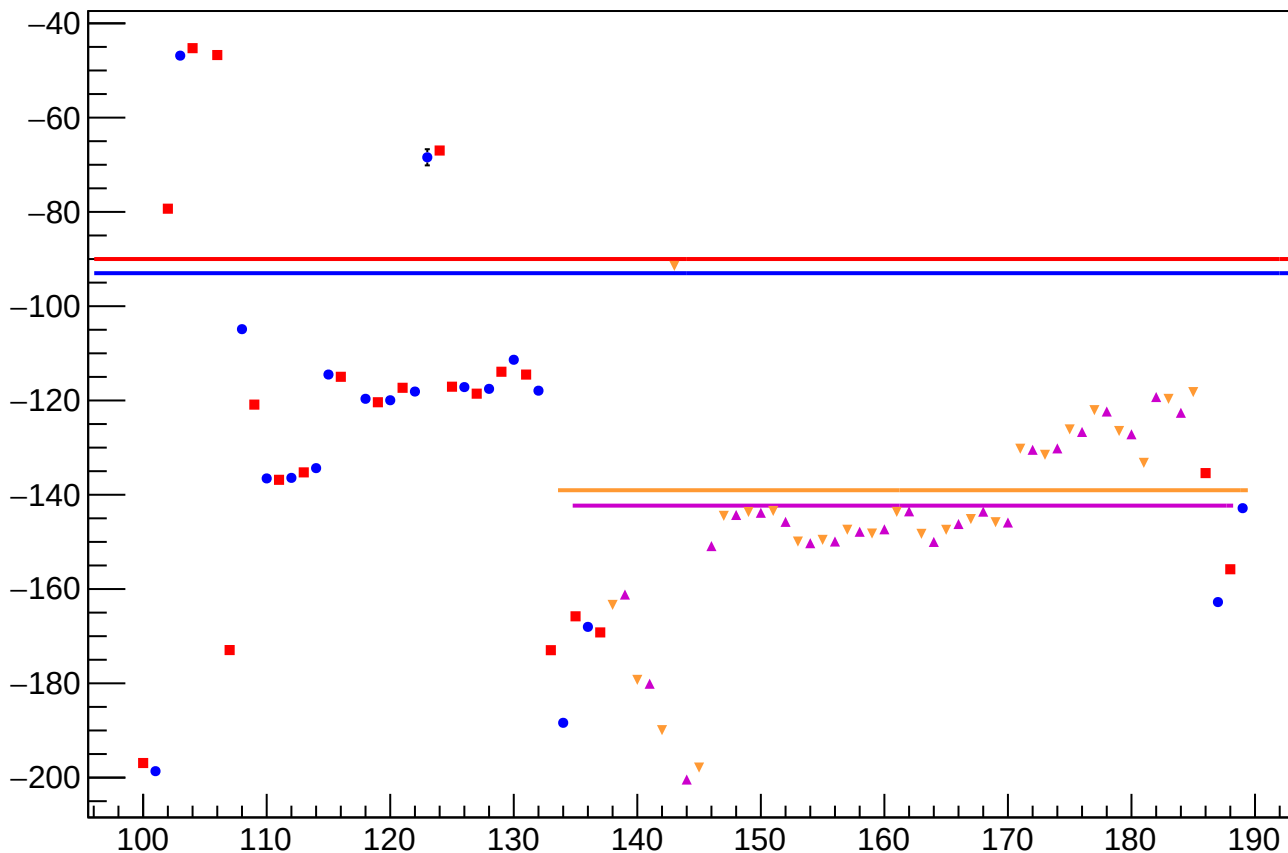
Right: 47.599 $\pm$ 0.954 χ^2 /NDF: 1242.1/39

In: 59.451 $\pm$ 0.784 χ^2 /NDF: 1222.9/41

Out: 55.277 $\pm$ 0.737 χ^2 /NDF: 1402.5/45

All: 57.237 $\pm$ 0.537 χ^2 /NDF: 2640.4/87

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -140.627 $\pm$ 0.031 χ^2 /NDF: 404285.9/47

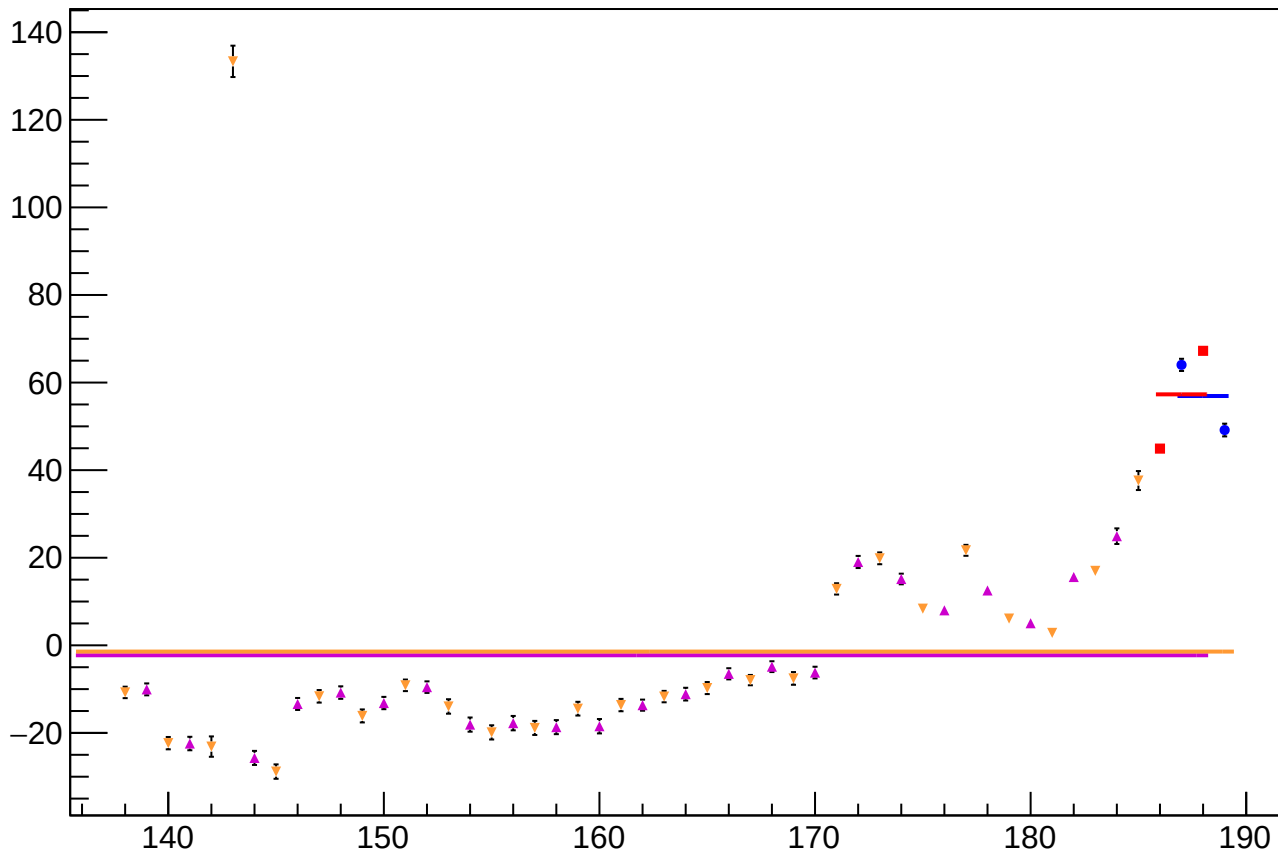
Right: -91.414 $\pm$ 0.046 χ^2 /NDF: 1123191.5/39

In: -127.258 $\pm$ 0.037 χ^2 /NDF: 1085888.2/41

Out: -123.488 $\pm$ 0.035 χ^2 /NDF: 1234604.5/45

All: -125.304 $\pm$ 0.026 χ^2 /NDF: 2325947.5/87

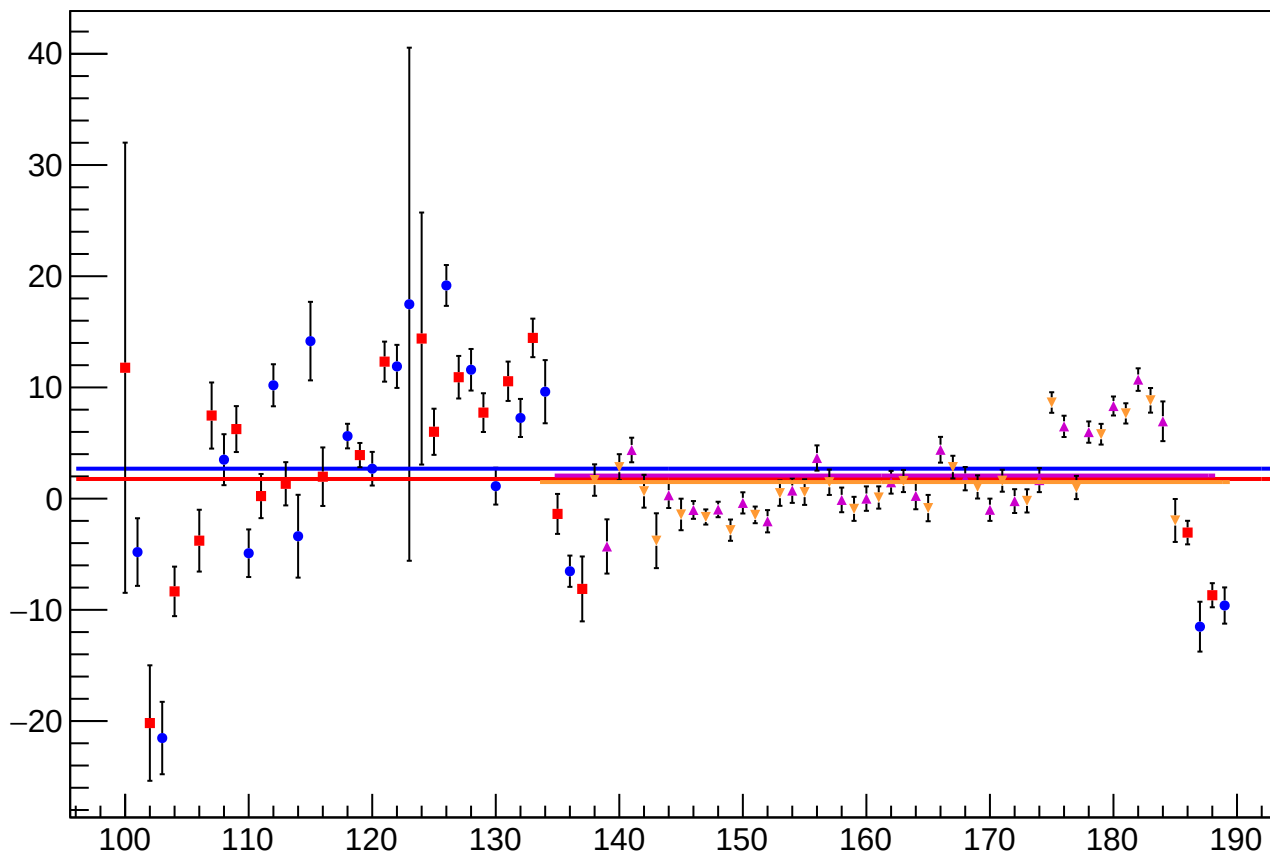
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 56.930+/-1.007 χ^2/NDF : 54.5/1
 Left Out: -1.427+/-0.268 χ^2/NDF : 4339.0/24
 Right Out: 57.309+/-0.577 χ^2/NDF : 369.9/1
 Left In: -2.270+/-0.271 χ^2/NDF : 2521.6/22

Left: -1.844+/-0.190 χ^2/NDF : 6865.5/47
 Right: 57.215+/-0.501 χ^2/NDF : 424.6/3
 In: 1.724+/-0.261 χ^2/NDF : 5802.1/24
 Out: 8.975+/-0.243 χ^2/NDF : 13238.8/26
 All: 5.618+/-0.178 χ^2/NDF : 19453.9/51

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.694 $\pm$ 0.444 χ^2 /NDF: 390.4/18

Left Out: 1.491 $\pm$ 0.210 χ^2 /NDF:259.1/24

Right Out: 1.767 $\pm$ 0.402 χ^2 /NDF: 336.6/20

Left In: 2.075 $\pm$ 0.215 χ^2 /NDF:274.6/22

Left: 1.776 $\pm$ 0.150 χ^2 /NDF: 537.4/47

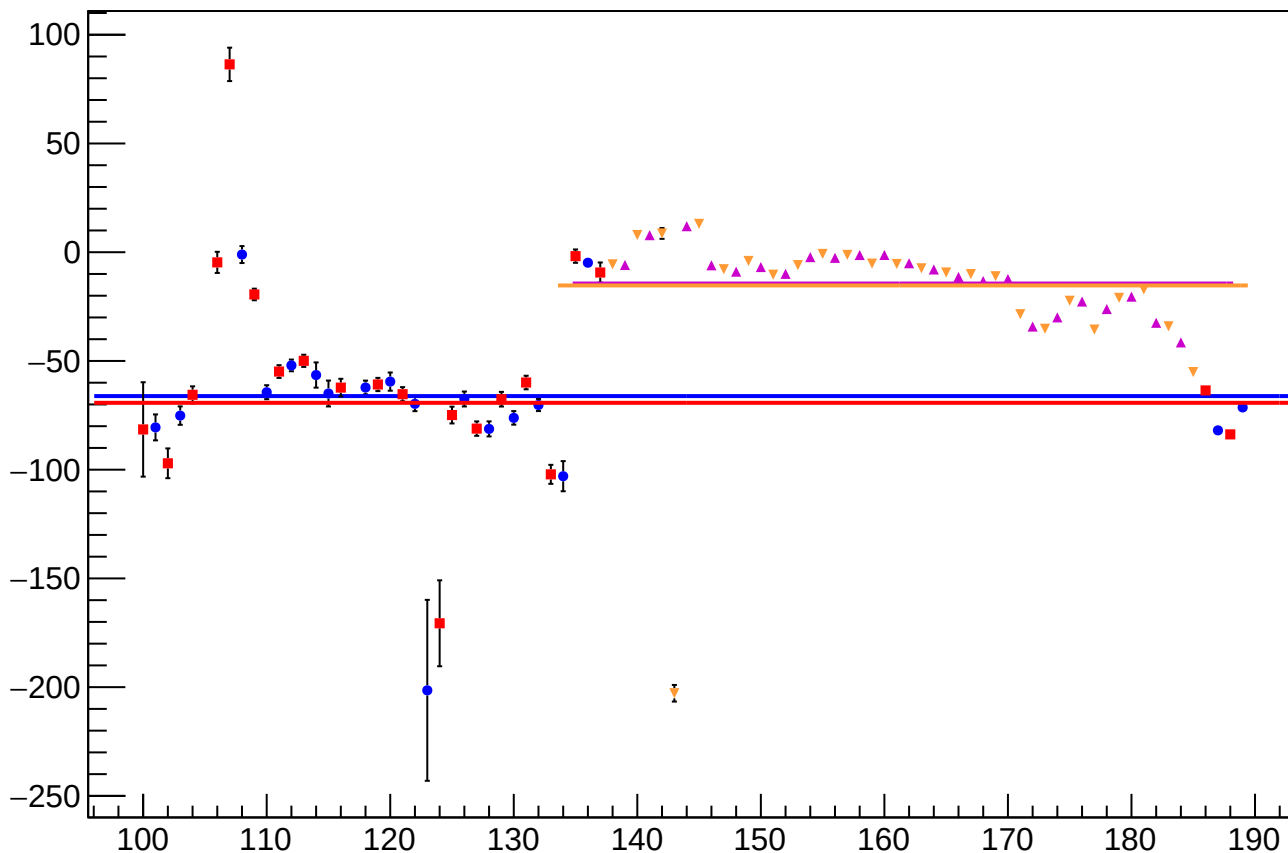
Right: 2.184 $\pm$ 0.298 χ^2 /NDF: 729.4/39

In: 2.192 $\pm$ 0.194 χ^2 /NDF:666.5/41

Out: 1.550 $\pm$ 0.186 χ^2 /NDF:596.1/45

All: 1.859 $\pm$ 0.134 χ^2 /NDF: 1268.3/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -14.846+/-0.189 χ^2/NDF : 6857.8/47

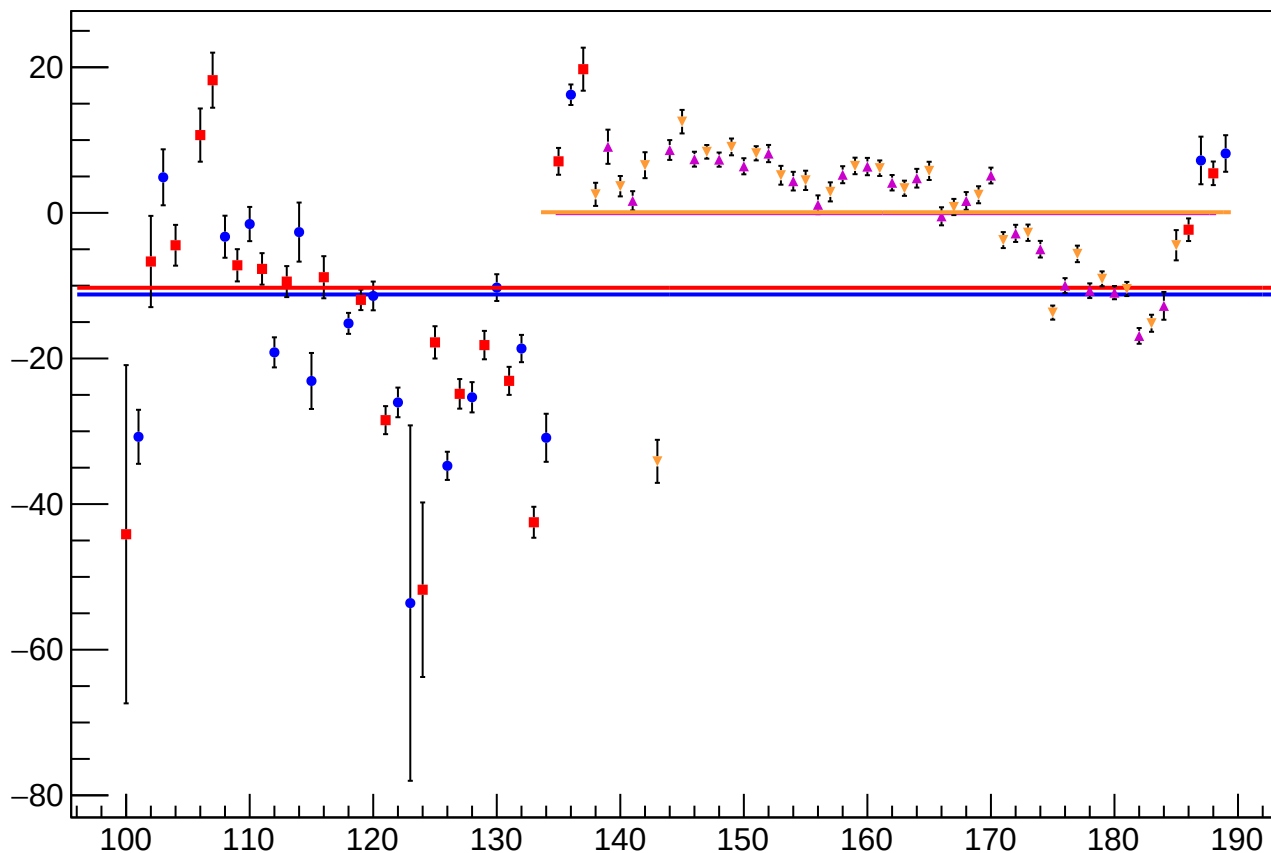
Right: -68.276+/-0.337 χ^2/NDF : 3832.3/39

In: -23.031+/-0.246 χ^2/NDF : 9602.4/41

Out: -31.474+/-0.223 χ^2/NDF : 19507.3/45

All: -27.656+/-0.165 χ^2/NDF : 29756.8/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 0.023 ± 0.170 χ^2/NDF : 2200.6/47

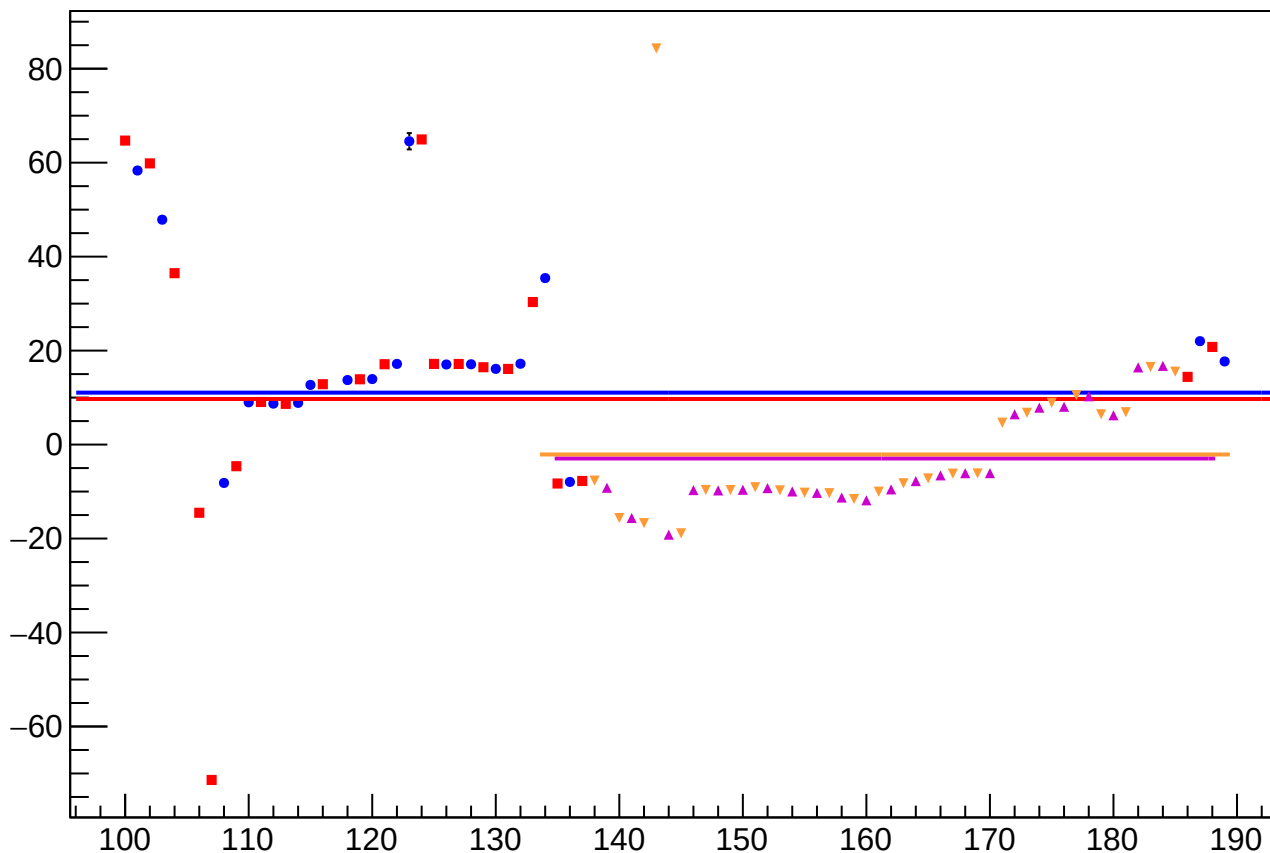
Right: -10.717 ± 0.355 χ^2/NDF : 1746.5/39

In: -2.052 ± 0.220 χ^2/NDF : 2285.1/41

Out: -1.927 ± 0.214 χ^2/NDF : 2407.6/45

All: -1.987 ± 0.153 χ^2/NDF : 4692.8/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -2.529+/-0.008 χ^2/NDF : 1859155.7/47

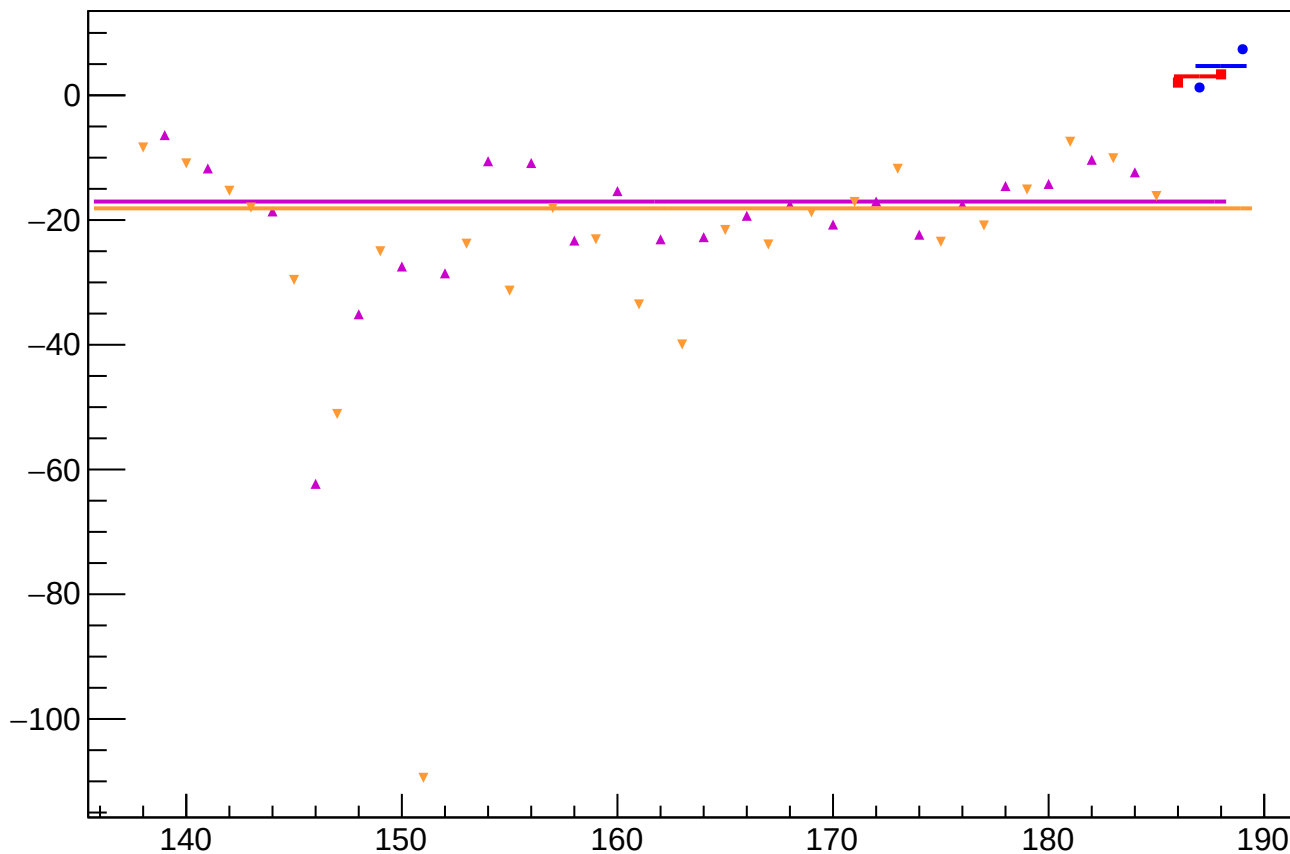
Right: 10.354+/-0.020 χ^2/NDF : 956183.1/39

In: -1.236+/-0.010 χ^2/NDF : 1350347.8/41

Out: -0.581+/-0.010 χ^2/NDF : 1811119.9/45

All: -0.905+/-0.007 χ^2/NDF : 3163508.9/87

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.692 $\pm$ 0.187 χ^2 /NDF: 266.5/1

Left Out: -18.128 $\pm$ 0.039 χ^2 /NDF: 88551.6/24

Right Out: 3.035 $\pm$ 0.096 χ^2 /NDF: 34.7/1

Left In: -17.038 $\pm$ 0.038 χ^2 /NDF: 44141.1/22

Left: -17.572 $\pm$ 0.027 χ^2 /NDF: 133092.4/47

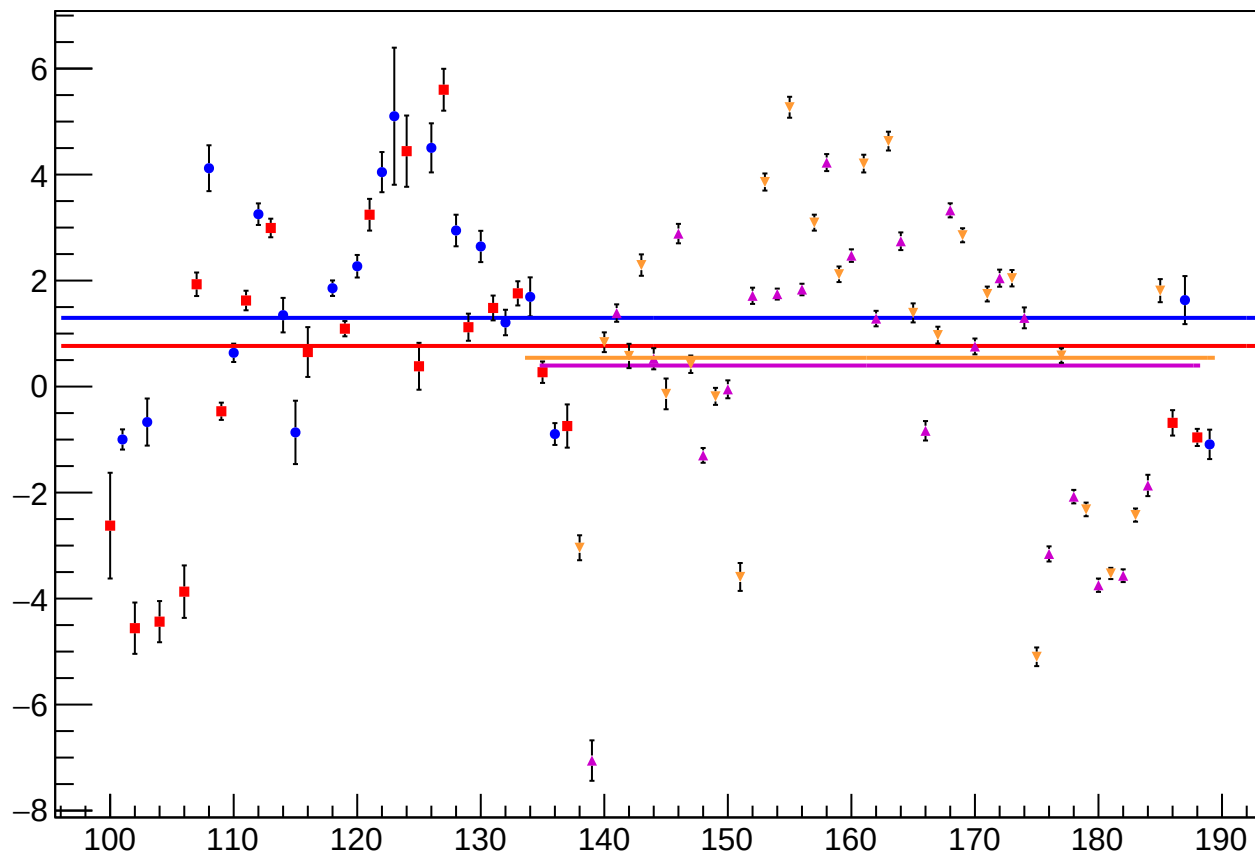
Right: 3.381 $\pm$ 0.085 χ^2 /NDF: 363.6/3

In: -16.166 $\pm$ 0.037 χ^2 /NDF: 57422.0/24

Out: -15.139 $\pm$ 0.036 χ^2 /NDF: 130355.2/26

All: -15.634 $\pm$ 0.026 χ^2 /NDF: 188168.6/51

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 6235.6/22$

Left: 0.466 ± 0.022 $\chi^2/\text{NDF}: 13331.6/47$

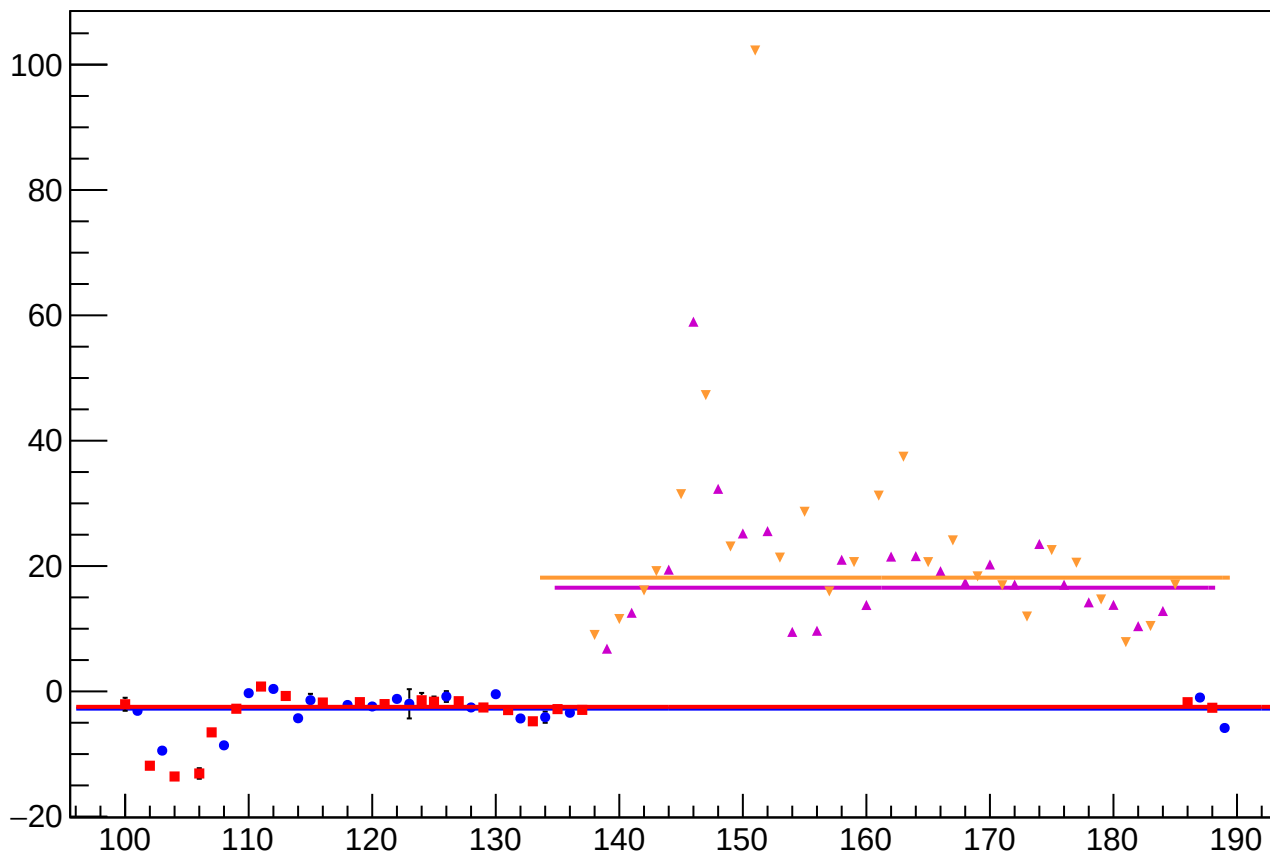
Right: 1.000 ± 0.040 $\chi^2/\text{NDF}: 1877.1/39$

In: 0.583 ± 0.027 $\chi^2/\text{NDF}: 7125.8/41$

Out: 0.603 ± 0.028 $\chi^2/\text{NDF}: 8219.4/45$

All: 0.593 ± 0.019 $\chi^2/\text{NDF}: 15345.4/87$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 40855.0/22$

Left: 17.318 ± 0.027 $\chi^2/\text{NDF}: 119577.9/47$

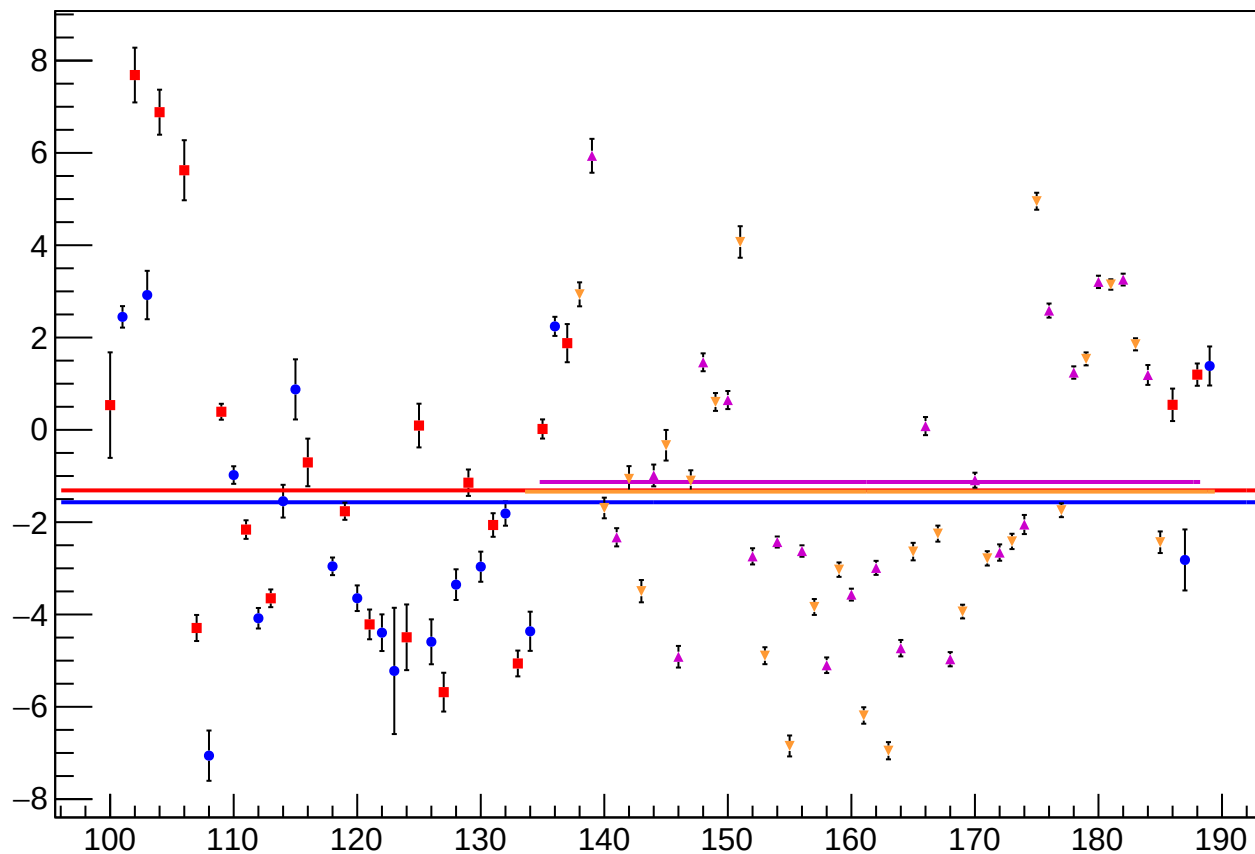
Right: -2.552 ± 0.051 $\chi^2/\text{NDF}: 1664.6/39$

In: 13.689 ± 0.035 $\chi^2/\text{NDF}: 80215.2/41$

Out: 12.129 ± 0.033 $\chi^2/\text{NDF}: 159970.6/45$

All: 12.864 ± 0.024 $\chi^2/\text{NDF}: 241244.8/87$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -1.228 ± 0.025 χ^2/NDF : 14701.0/47

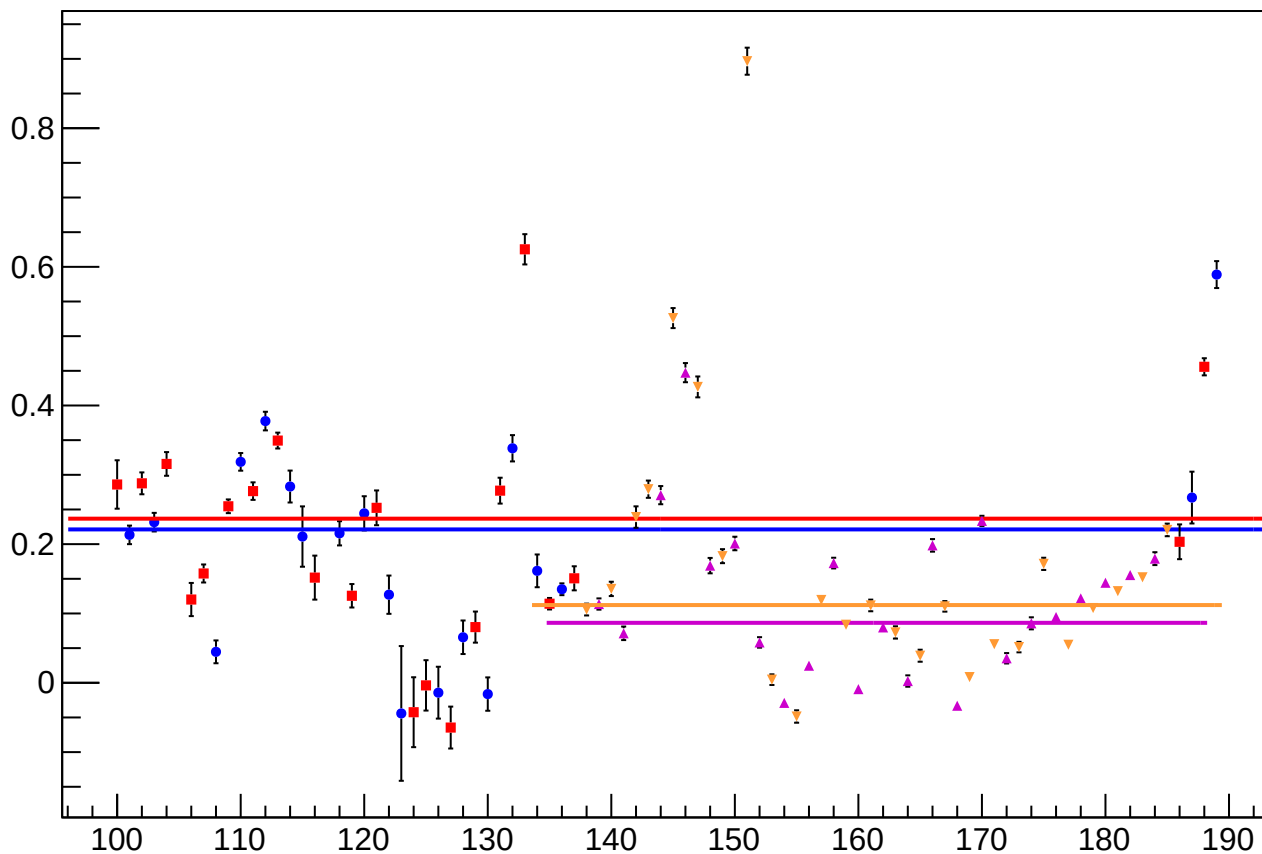
Right: -1.425 ± 0.047 χ^2/NDF : 2973.3/39

In: -1.214 ± 0.031 χ^2/NDF : 8083.9/41

Out: -1.331 ± 0.031 χ^2/NDF : 9597.1/45

All: -1.272 ± 0.022 χ^2/NDF : 17688.2/87

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.098 $\pm$ 0.001 χ^2 /NDF: 8295.3/47

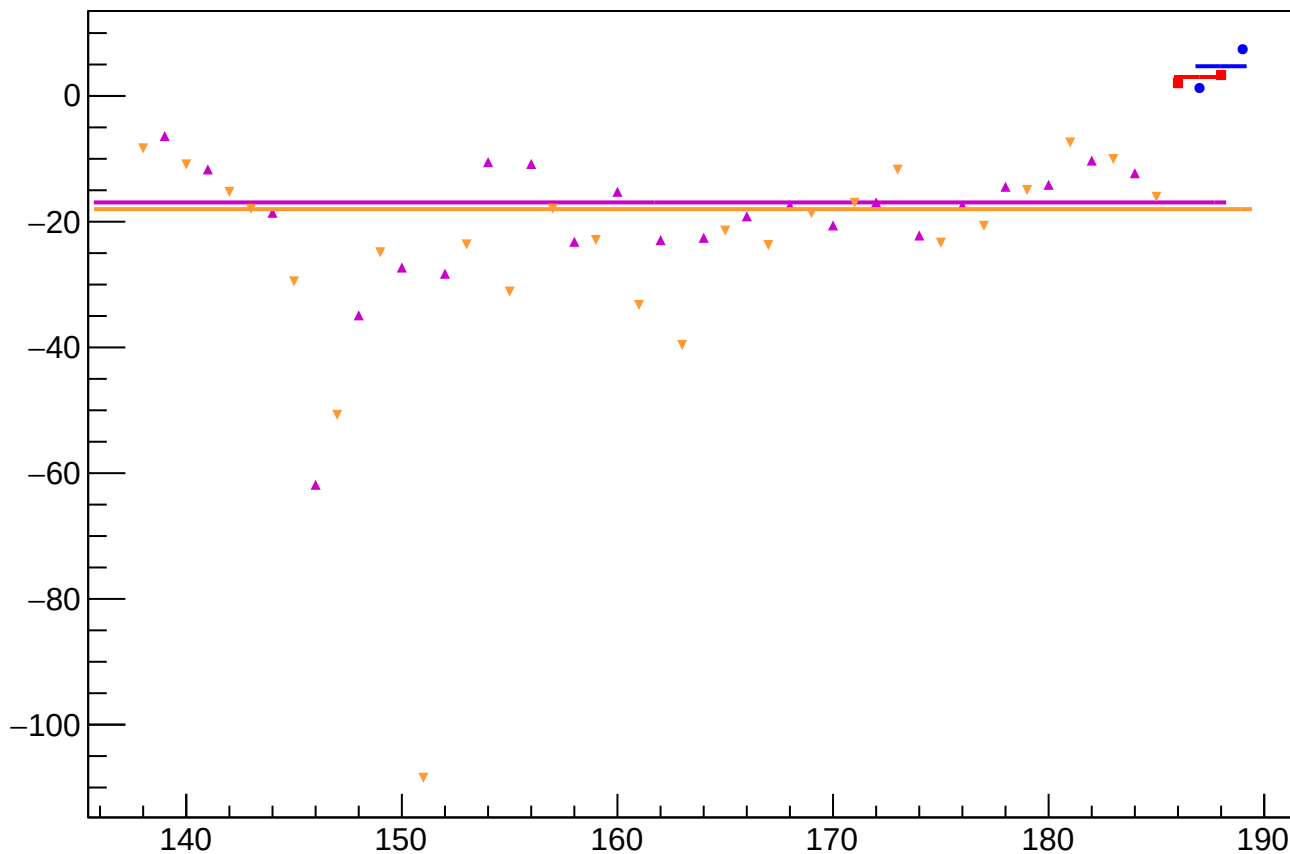
Right: 0.230 $\pm$ 0.003 χ^2 /NDF: 2389.0/39

In: 0.103 $\pm$ 0.001 χ^2 /NDF:5653.9/41

Out: 0.134 $\pm$ 0.001 χ^2 /NDF:6905.9/45

All: 0.118 $\pm$ 0.001 χ^2 /NDF: 12790.9/87

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -17.459 ± 0.027 χ^2/NDF : 132843.0/47

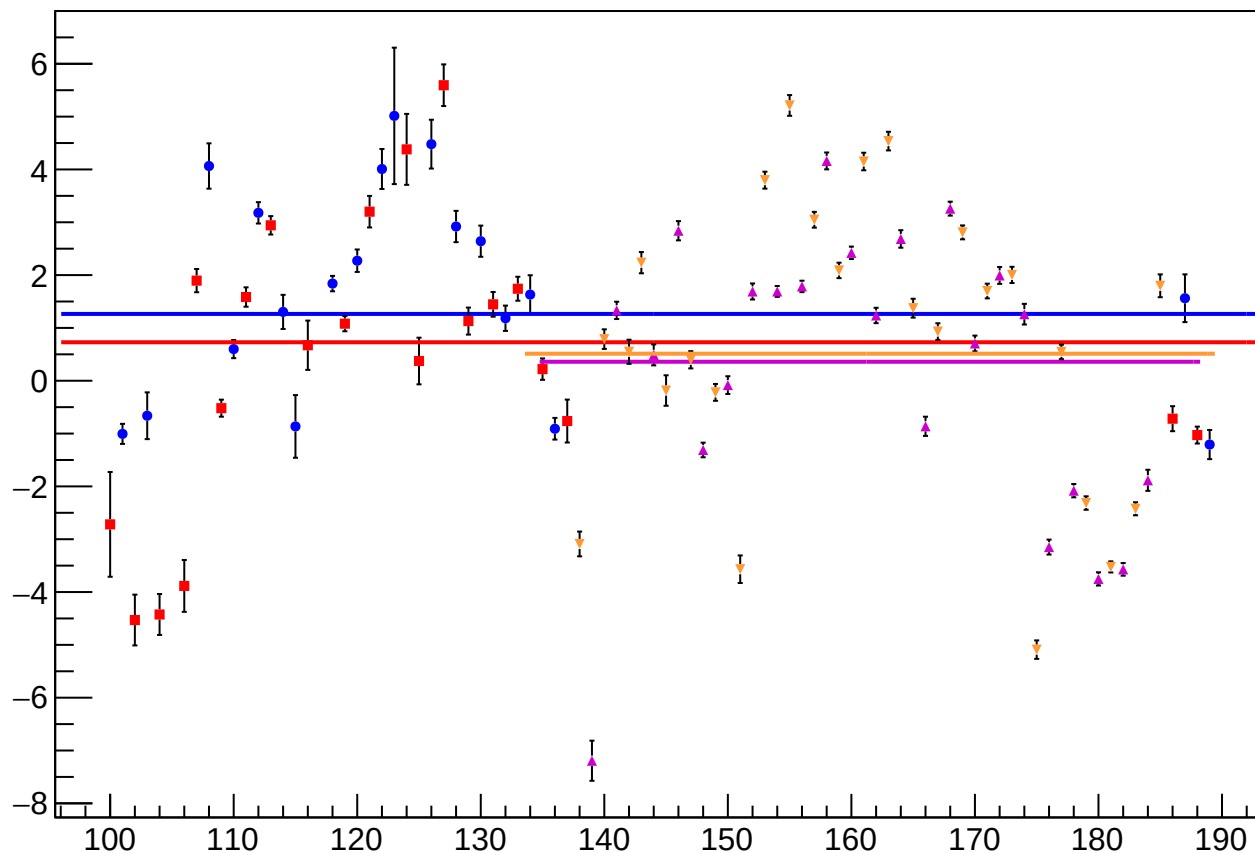
Right: 3.368 ± 0.084 χ^2/NDF : 372.9/3

In: -16.069 ± 0.037 χ^2/NDF : 57371.3/24

Out: -15.011 ± 0.036 χ^2/NDF : 130575.8/26

All: -15.520 ± 0.026 χ^2/NDF : 188368.4/51

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.265 ± 0.060 χ^2/NDF : 716.4/18

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.729 ± 0.053 χ^2/NDF : 1134.6/20

Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

Left: 0.432 ± 0.022 χ^2/NDF : 13303.2/47

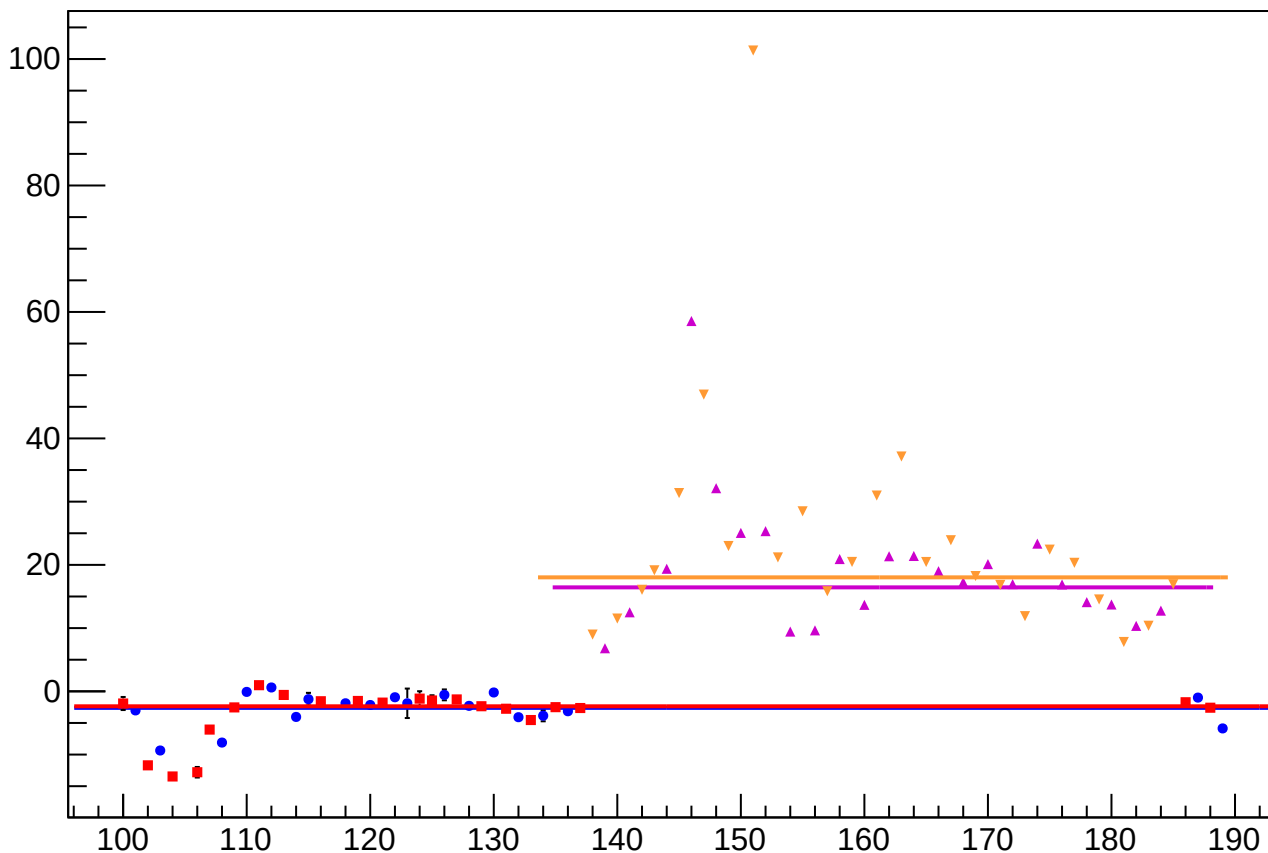
Right: 0.965 ± 0.040 χ^2/NDF : 1896.1/39

In: 0.547 ± 0.027 χ^2/NDF : 7119.5/41

Out: 0.570 ± 0.027 χ^2/NDF : 8217.3/45

All: 0.558 ± 0.019 χ^2/NDF : 15337.1/87

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.610 ± 0.090 $\chi^2/\text{NDF}: 766.3/18$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -2.367 ± 0.060 $\chi^2/\text{NDF}: 918.9/20$

Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

Left: 17.207 ± 0.027 $\chi^2/\text{NDF}: 119360.0/47$

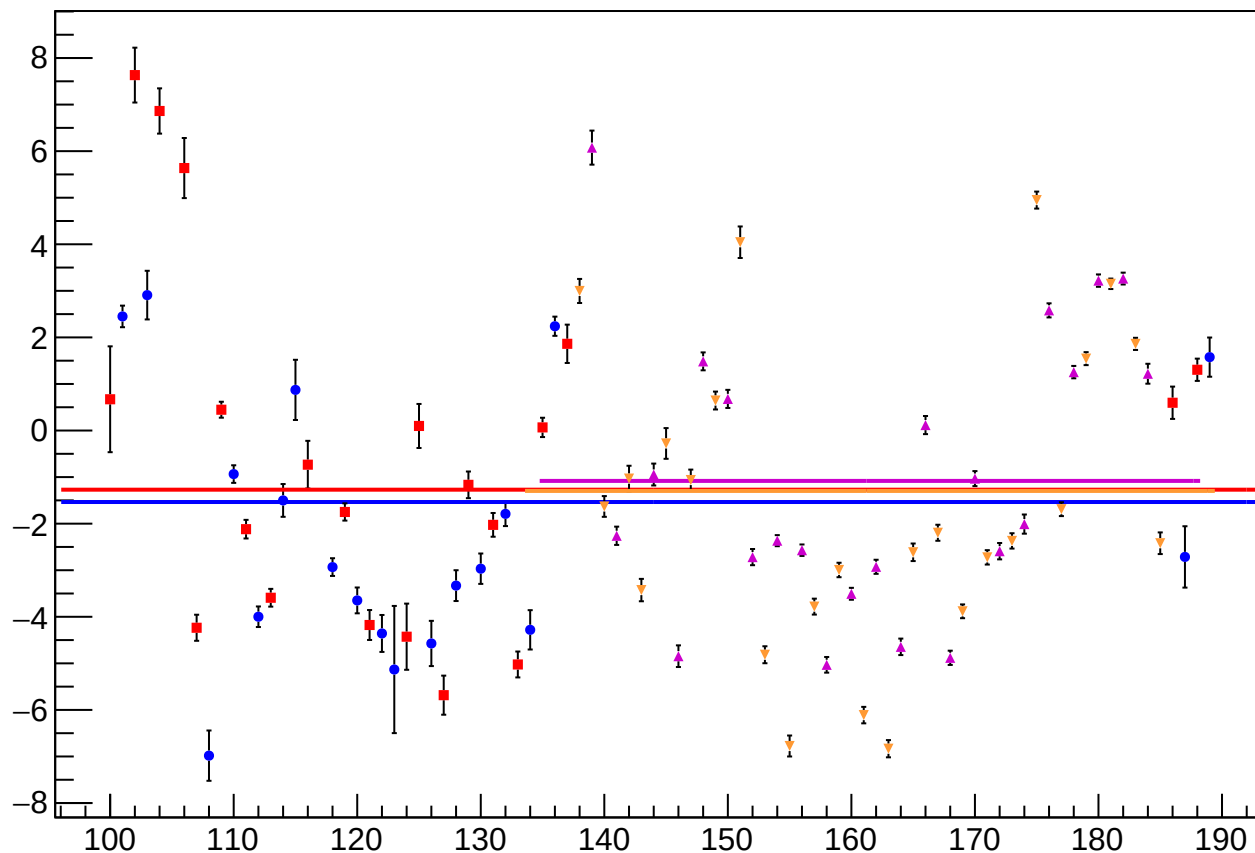
Right: -2.442 ± 0.050 $\chi^2/\text{NDF}: 1690.2/39$

In: 13.633 ± 0.035 $\chi^2/\text{NDF}: 79588.9/41$

Out: 12.049 ± 0.033 $\chi^2/\text{NDF}: 159527.9/45$

All: 12.794 ± 0.024 $\chi^2/\text{NDF}: 240224.9/87$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -1.184 ± 0.025 χ^2/NDF : 14668.4/47

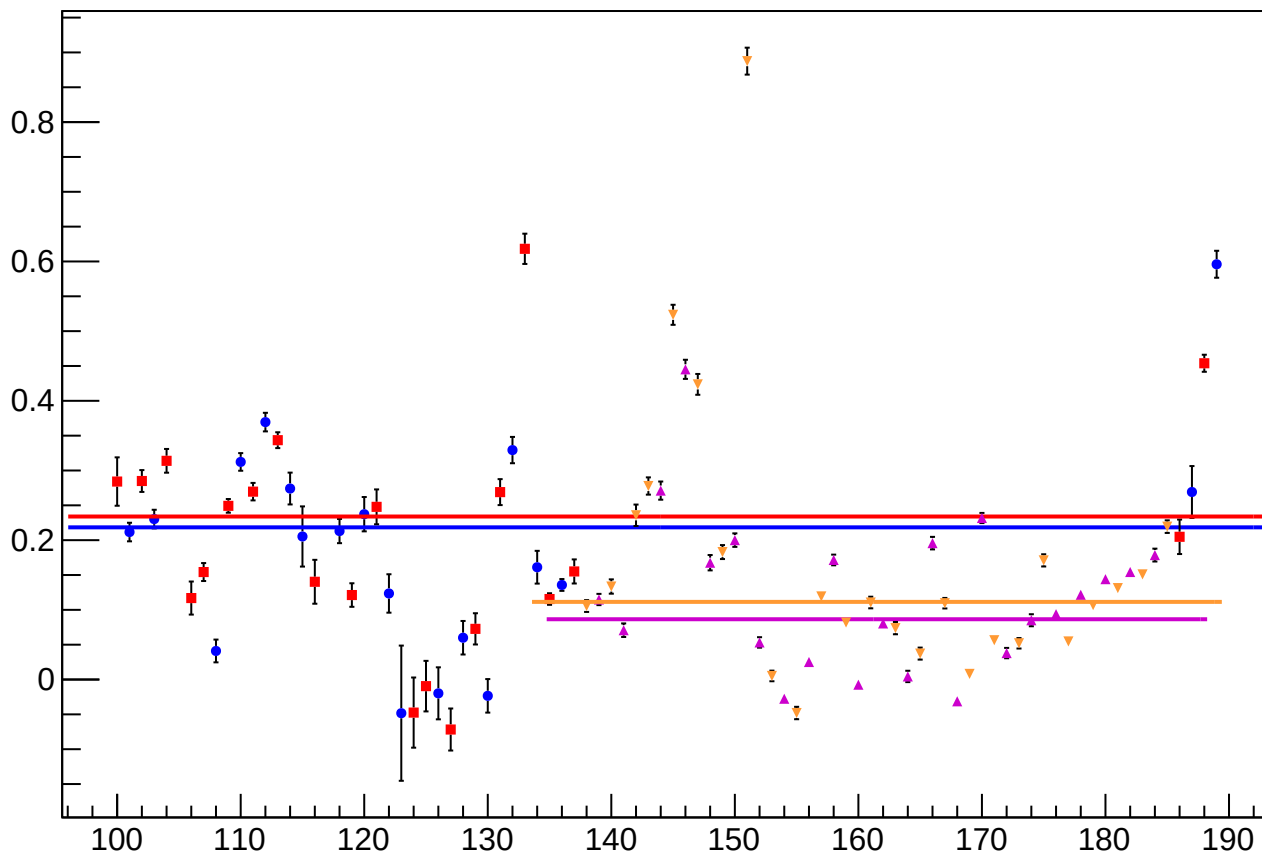
Right: -1.388 ± 0.046 χ^2/NDF : 2988.8/39

In: -1.169 ± 0.030 χ^2/NDF : 8070.6/41

Out: -1.290 ± 0.031 χ^2/NDF : 9593.8/45

All: -1.229 ± 0.022 χ^2/NDF : 17672.2/87

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.218 ± 0.004 $\chi^2/\text{NDF}: 1031.8/18$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4496.0/24$

Right Out: 0.234 ± 0.003 $\chi^2/\text{NDF}: 1350.8/20$

Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3625.5/22$

Left: 0.098 ± 0.001 $\chi^2/\text{NDF}: 8251.9/47$

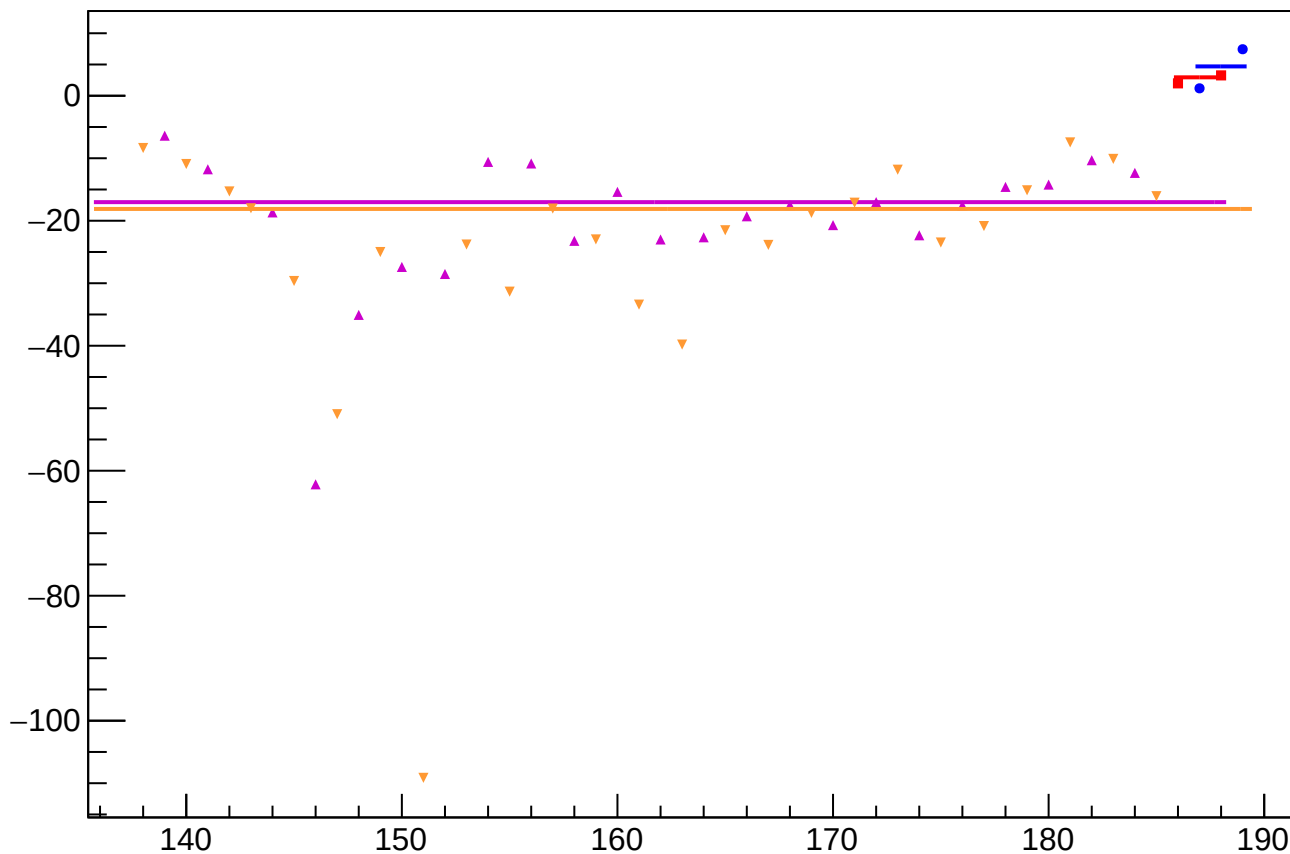
Right: 0.227 ± 0.003 $\chi^2/\text{NDF}: 2391.1/39$

In: 0.102 ± 0.001 $\chi^2/\text{NDF}: 5601.8/41$

Out: 0.133 ± 0.001 $\chi^2/\text{NDF}: 6867.4/45$

All: 0.117 ± 0.001 $\chi^2/\text{NDF}: 12692.5/87$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -17.557+/-0.027 χ^2/NDF : 133072.9/47

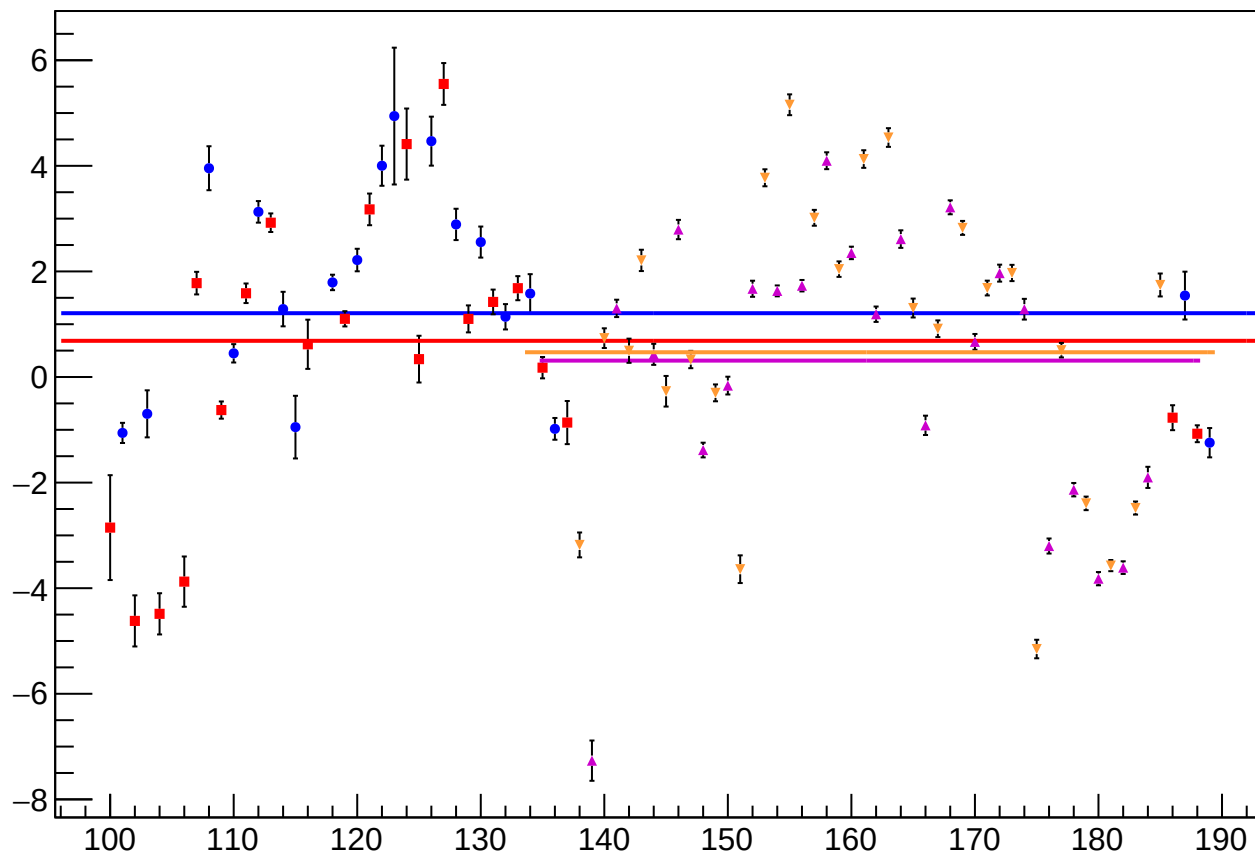
Right: 3.304+/-0.084 χ^2/NDF : 380.3/3

In: -16.157+/-0.037 χ^2/NDF : 57424.4/24

Out: -15.081+/-0.036 χ^2/NDF : 130947.2/26

All: -15.599+/-0.026 χ^2/NDF : 188803.2/51

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.209 ± 0.060 $\chi^2/\text{NDF}: 719.3/18$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7093.0/24$

Right Out: 0.685 ± 0.053 $\chi^2/\text{NDF}: 1147.0/20$

Left In: 0.311 ± 0.031 $\chi^2/\text{NDF}: 6183.1/22$

Left: 0.386 ± 0.022 $\chi^2/\text{NDF}: 13288.8/47$

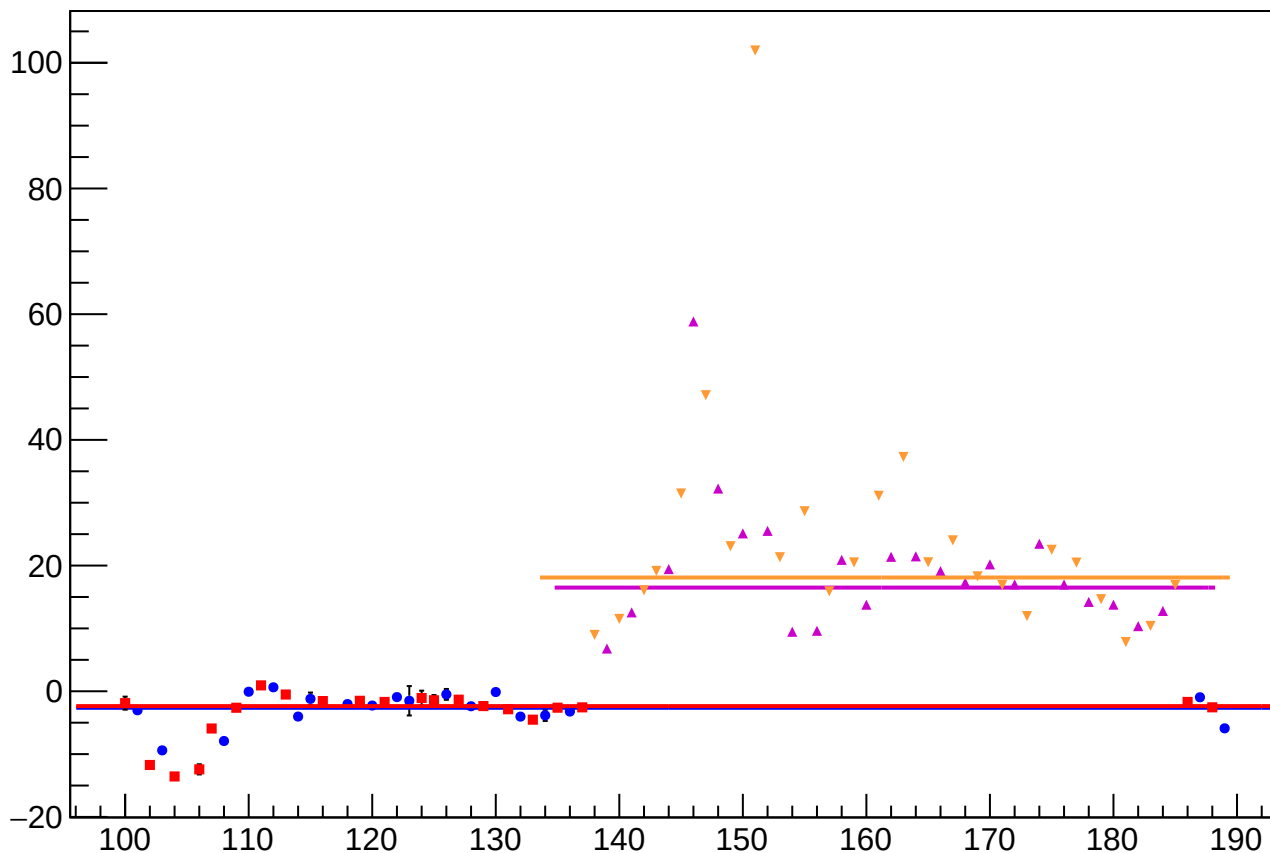
Right: 0.915 ± 0.040 $\chi^2/\text{NDF}: 1908.9/39$

In: 0.496 ± 0.027 $\chi^2/\text{NDF}: 7079.9/41$

Out: 0.527 ± 0.028 $\chi^2/\text{NDF}: 8252.2/45$

All: 0.512 ± 0.019 $\chi^2/\text{NDF}: 15332.8/87$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.626 ± 0.091 $\chi^2/\text{NDF}: 767.6/18$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -2.362 ± 0.060 $\chi^2/\text{NDF}: 912.7/20$

Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

Left: 17.270 ± 0.027 $\chi^2/\text{NDF}: 119584.1/47$

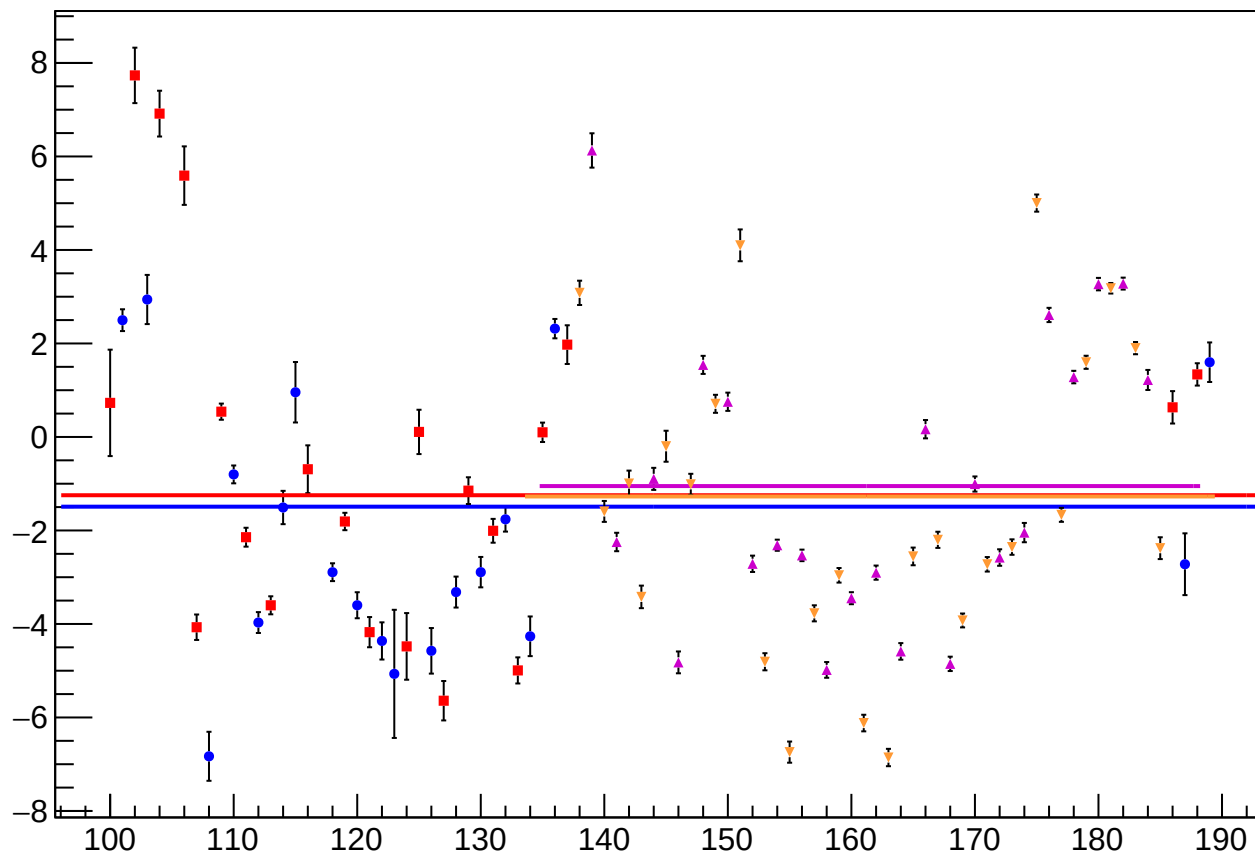
Right: -2.443 ± 0.050 $\chi^2/\text{NDF}: 1686.1/39$

In: 13.681 ± 0.035 $\chi^2/\text{NDF}: 79592.6/41$

Out: 12.073 ± 0.033 $\chi^2/\text{NDF}: 159904.5/45$

All: 12.829 ± 0.024 $\chi^2/\text{NDF}: 240631.3/87$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.491 ± 0.070 χ^2/NDF : 1316.0/18

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -1.247 ± 0.062 χ^2/NDF : 1681.2/20

Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

Left: -1.156 ± 0.025 χ^2/NDF : 14645.3/47

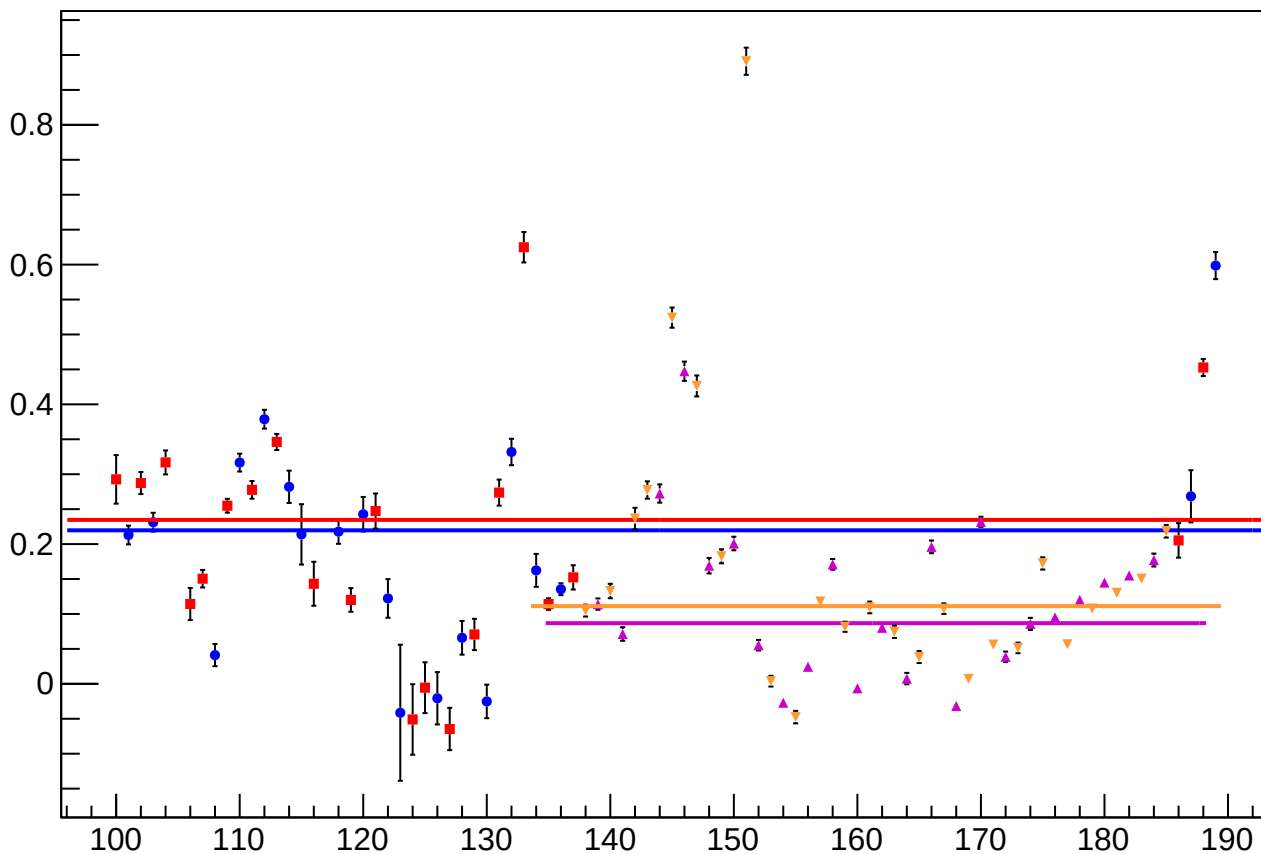
Right: -1.355 ± 0.046 χ^2/NDF : 3004.1/39

In: -1.135 ± 0.031 χ^2/NDF : 8021.6/41

Out: -1.266 ± 0.031 χ^2/NDF : 9633.0/45

All: -1.200 ± 0.022 χ^2/NDF : 17663.6/87

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.098 $\pm$ 0.001 χ^2 /NDF: 8197.1/47

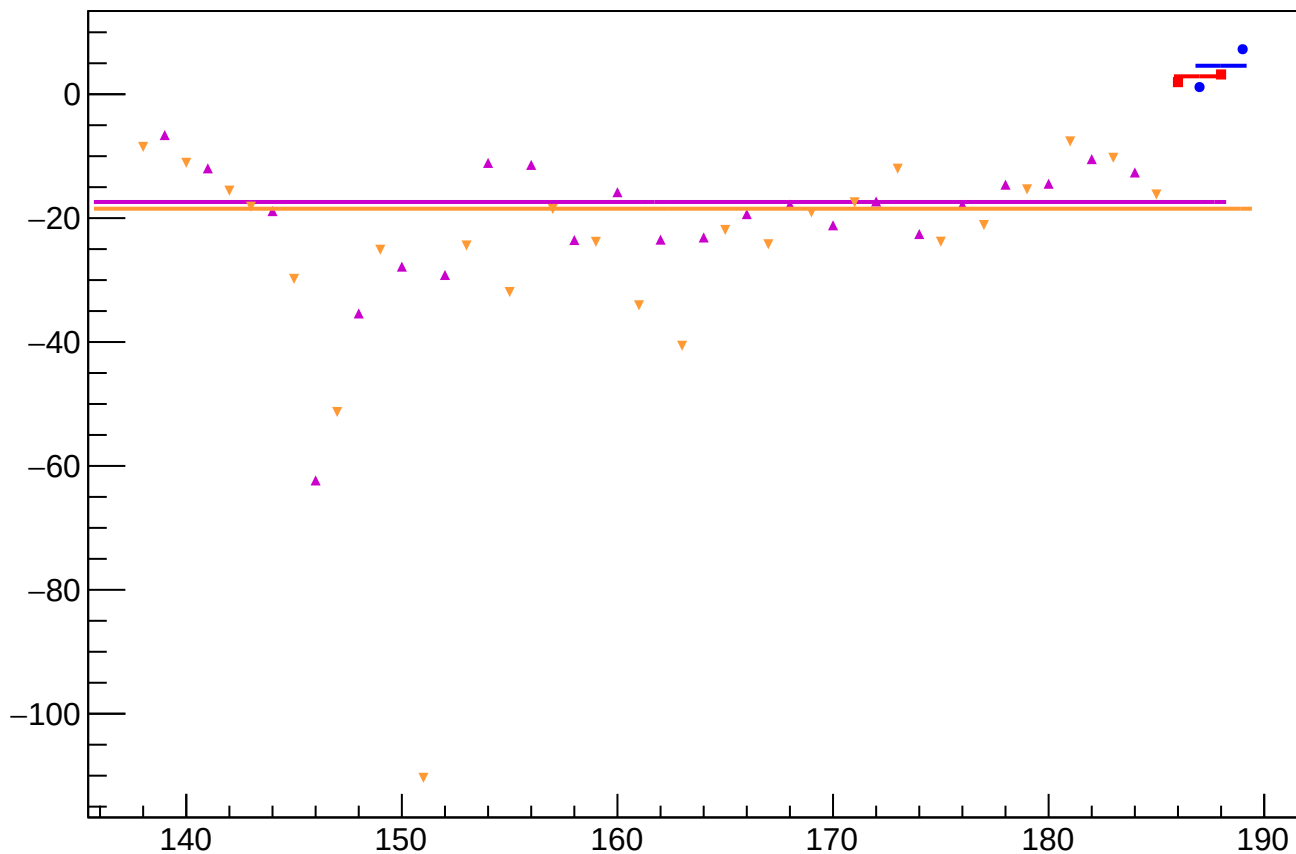
Right: 0.228 $\pm$ 0.003 χ^2 /NDF: 2444.7/39

In: 0.103 $\pm$ 0.001 χ^2 /NDF:5609.4/41

Out: 0.133 $\pm$ 0.001 χ^2 /NDF:6883.4/45

All: 0.117 $\pm$ 0.001 χ^2 /NDF: 12708.7/87

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -17.926 ± 0.028 χ^2/NDF : 131443.9/47

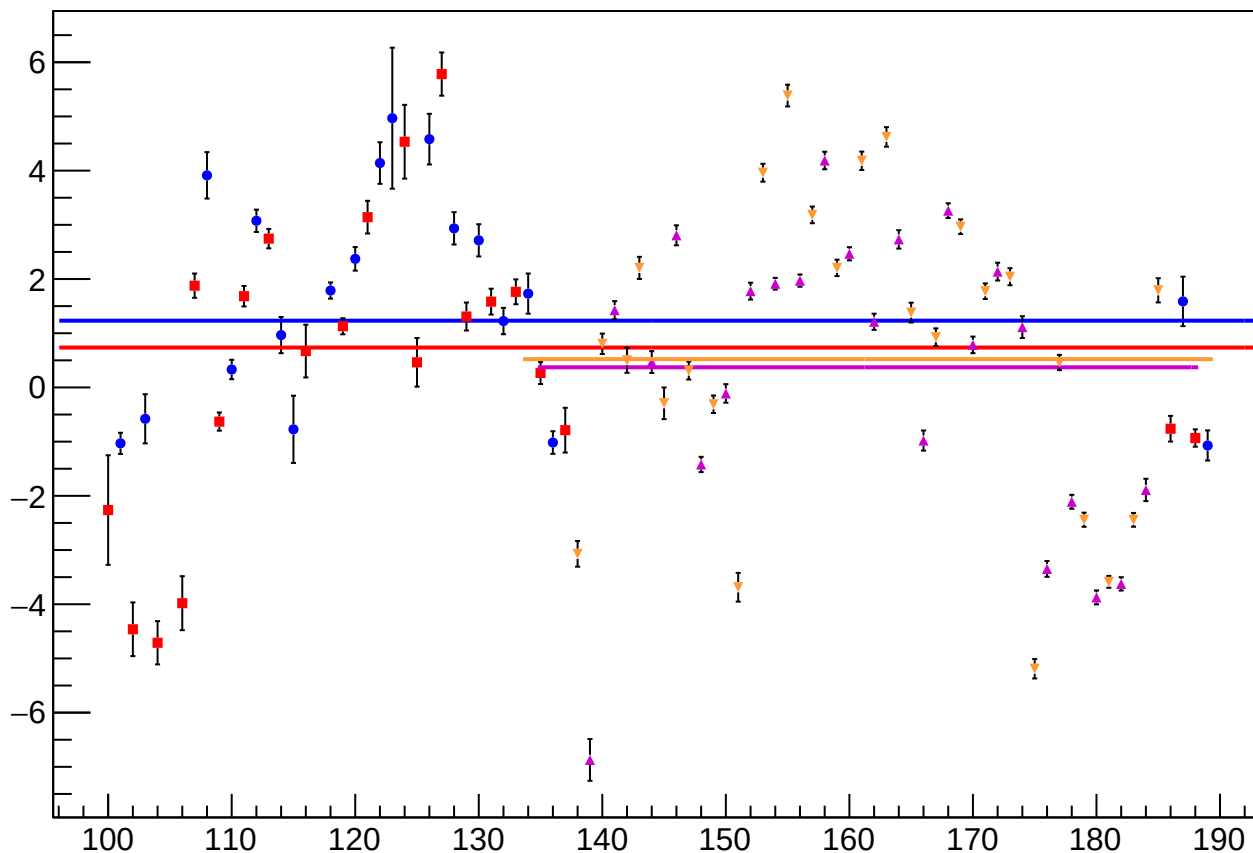
Right: 3.240 ± 0.085 χ^2/NDF : 359.4/3

In: -16.481 ± 0.038 χ^2/NDF : 56661.0/24

Out: -15.298 ± 0.037 χ^2/NDF : 131048.5/26

All: -15.865 ± 0.026 χ^2/NDF : 188209.5/51

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.232 ± 0.061 $\chi^2/\text{NDF}: 708.6/18$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.736 ± 0.054 $\chi^2/\text{NDF}: 1105.0/20$

Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

Left: 0.443 ± 0.023 $\chi^2/\text{NDF}: 13283.4/47$

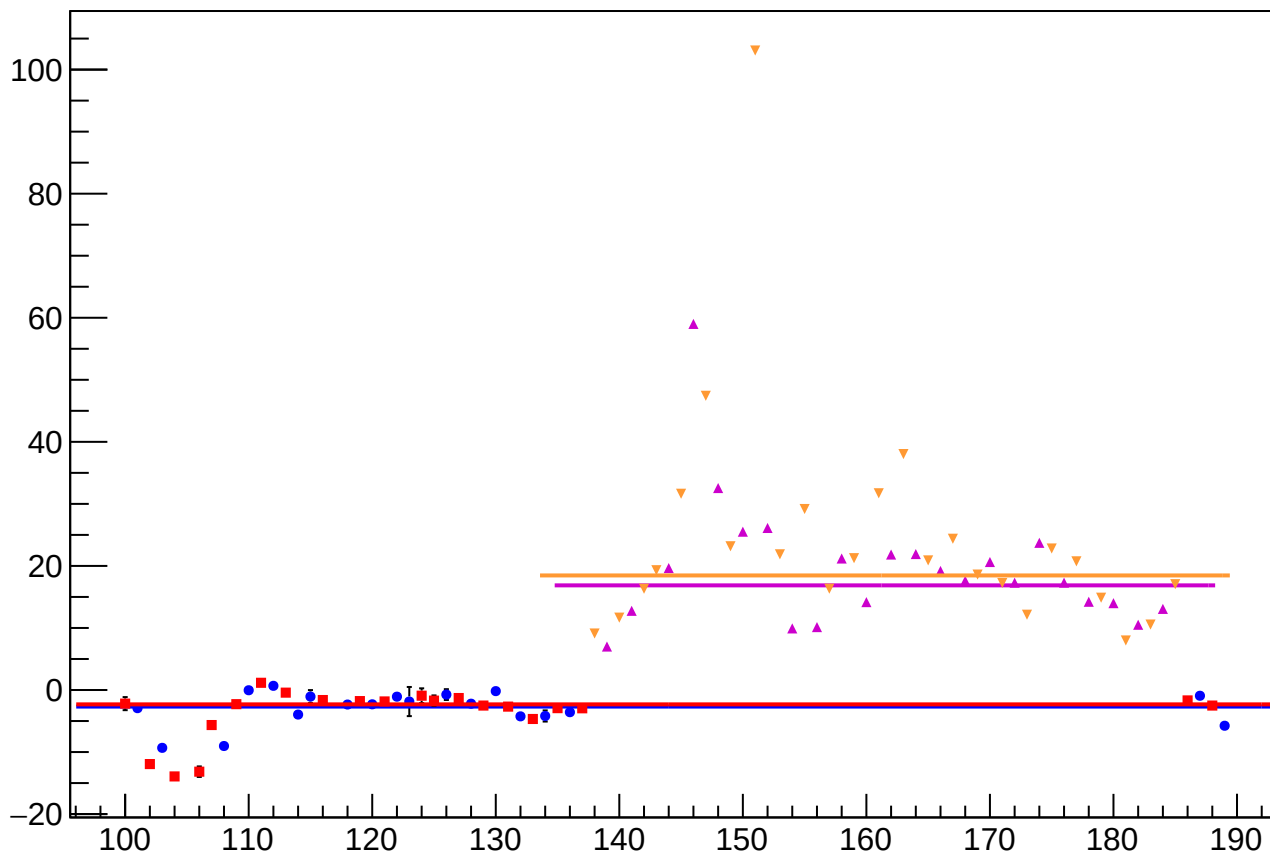
Right: 0.954 ± 0.040 $\chi^2/\text{NDF}: 1850.6/39$

In: 0.551 ± 0.028 $\chi^2/\text{NDF}: 7083.1/41$

Out: 0.580 ± 0.028 $\chi^2/\text{NDF}: 8171.6/45$

All: 0.565 ± 0.020 $\chi^2/\text{NDF}: 15255.2/87$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 17.640+/-0.028 χ^2/NDF : 117837.8/47

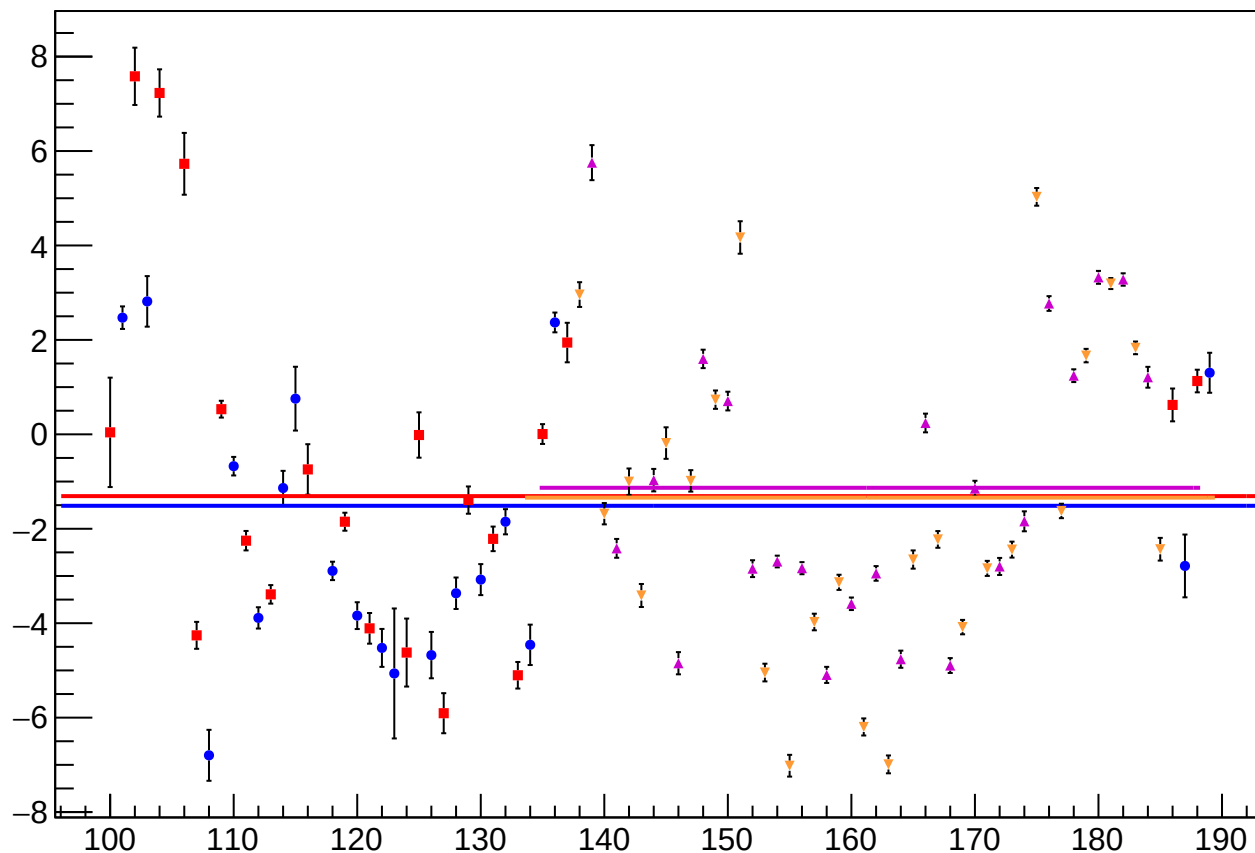
Right: -2.423+/-0.051 χ^2/NDF : 1705.8/39

In: 13.936+/-0.036 χ^2/NDF :79031.3/41

Out: 12.231+/-0.033 χ^2/NDF :159624.4/45

All: 13.030+/-0.024 χ^2/NDF : 239878.6/87

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.513 ± 0.071 $\chi^2/\text{NDF}: 1296.5/18$

Left Out: -1.340 ± 0.037 $\chi^2/\text{NDF}: 7907.4/24$

Right Out: -1.308 ± 0.063 $\chi^2/\text{NDF}: 1627.1/20$

Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

Left: -1.231 ± 0.025 $\chi^2/\text{NDF}: 14632.9/47$

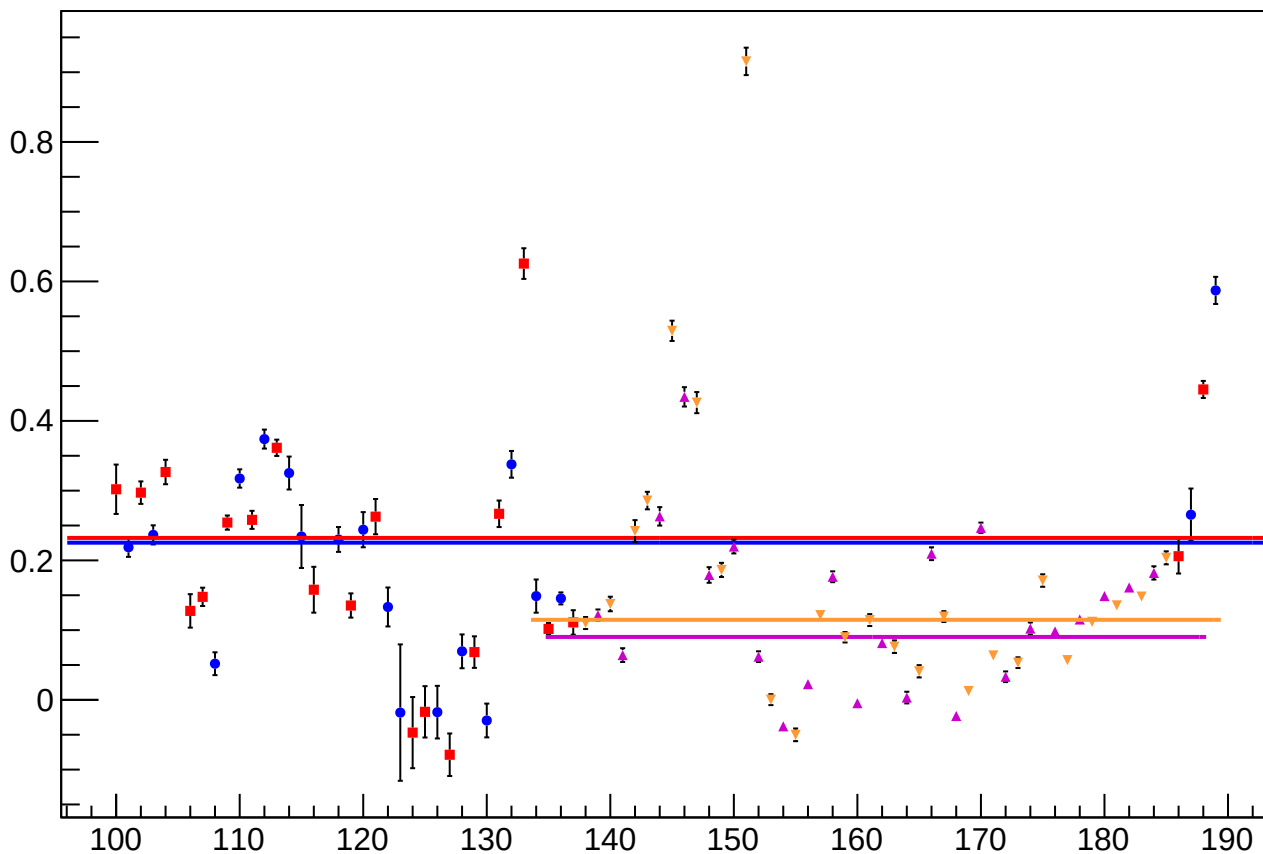
Right: -1.399 ± 0.047 $\chi^2/\text{NDF}: 2928.3/39$

In: -1.206 ± 0.031 $\chi^2/\text{NDF}: 8028.2/41$

Out: -1.332 ± 0.032 $\chi^2/\text{NDF}: 9534.7/45$

All: -1.268 ± 0.022 $\chi^2/\text{NDF}: 17571.0/87$

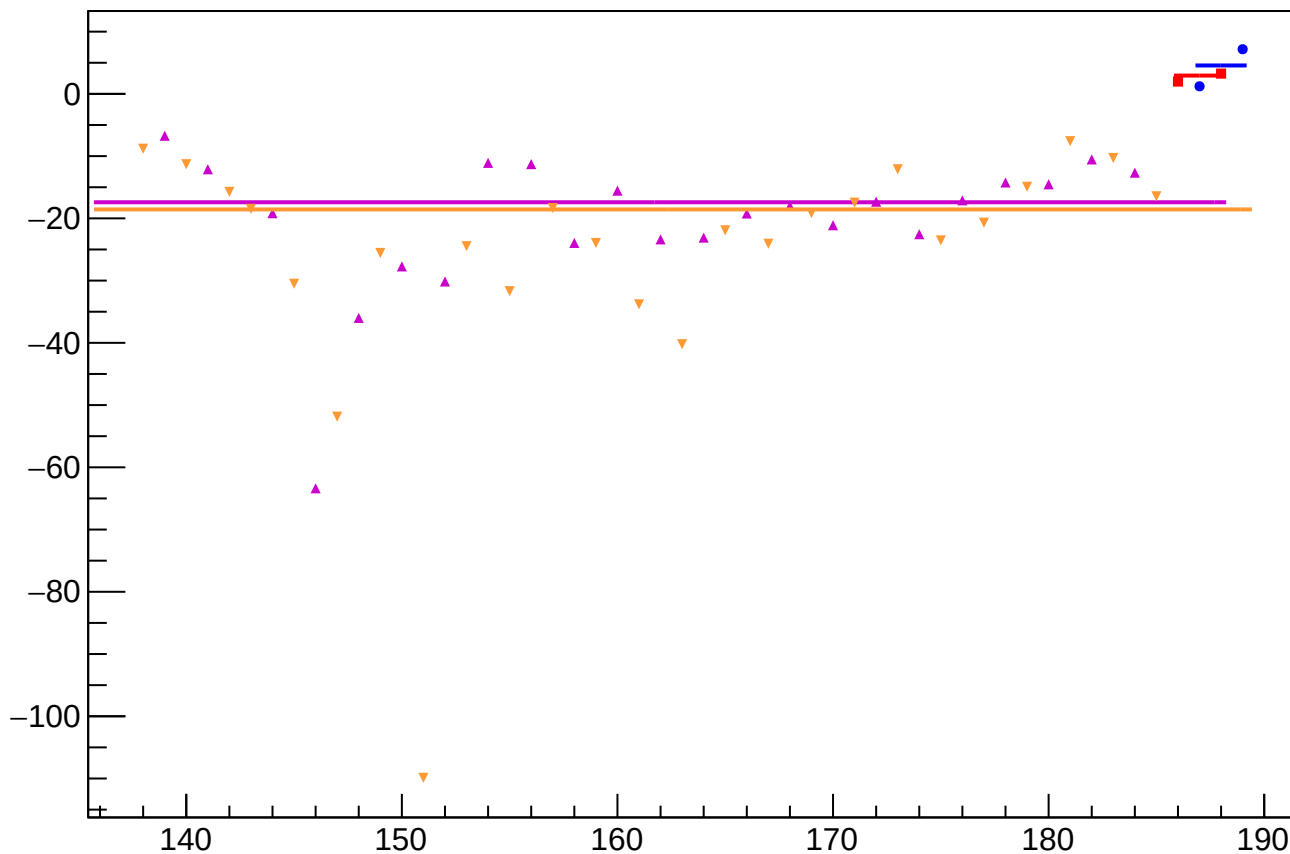
reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.102 ± 0.001 $\chi^2/\text{NDF}: 8228.2/47$
 Right: 0.229 ± 0.003 $\chi^2/\text{NDF}: 2415.2/39$
 In: 0.107 ± 0.001 $\chi^2/\text{NDF}: 5614.2/41$
 Out: 0.135 ± 0.001 $\chi^2/\text{NDF}: 6757.0/45$
 All: 0.121 ± 0.001 $\chi^2/\text{NDF}: 12560.2/87$

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 $\chi^2/\text{NDF}: 3676.5/22$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -17.979+/-0.028 χ^2/NDF : 130314.7/47

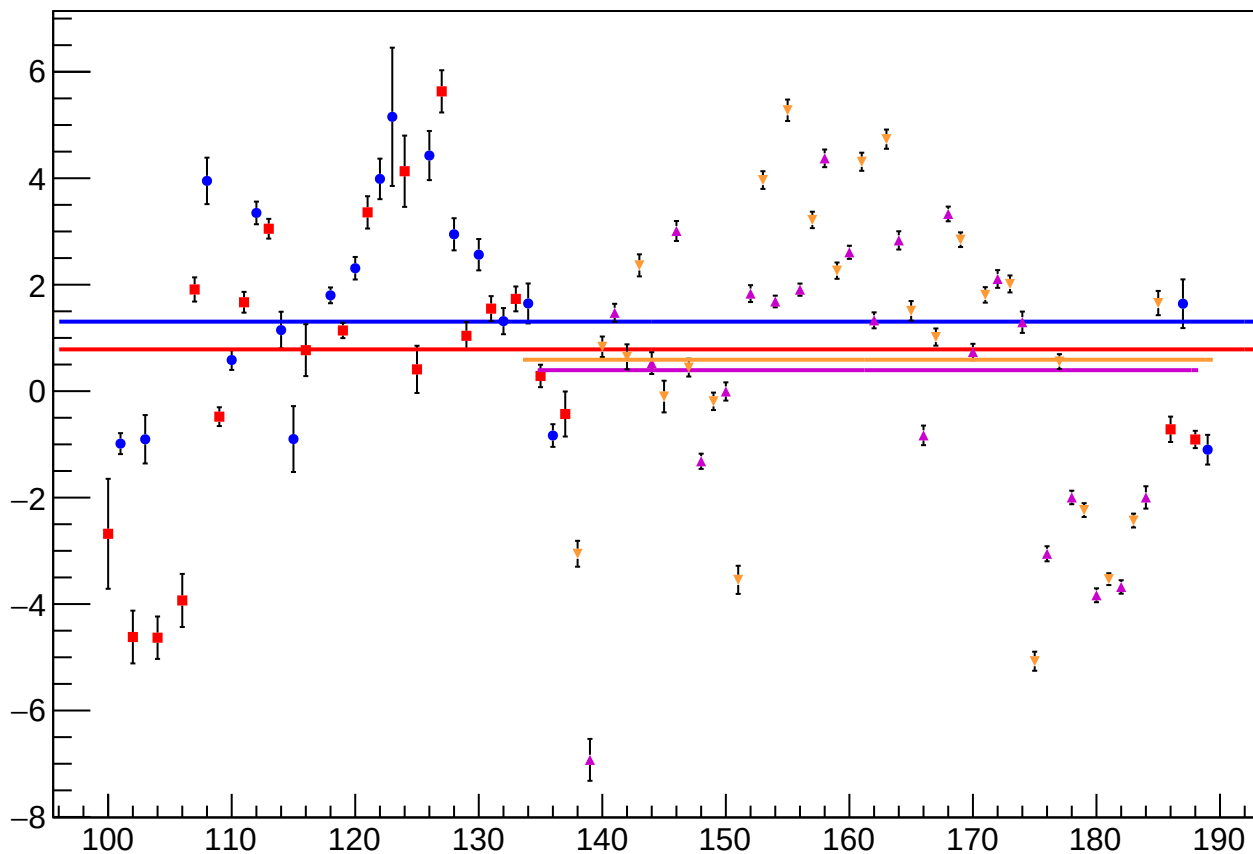
Right: 3.279+/-0.086 χ^2/NDF : 339.2/3

In: -16.494+/-0.038 χ^2/NDF : 56851.4/24

Out: -15.375+/-0.037 χ^2/NDF : 129108.1/26

All: -15.913+/-0.027 χ^2/NDF : 186398.4/51

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.488 $\pm$ 0.023 χ^2 /NDF: 12874.6/47

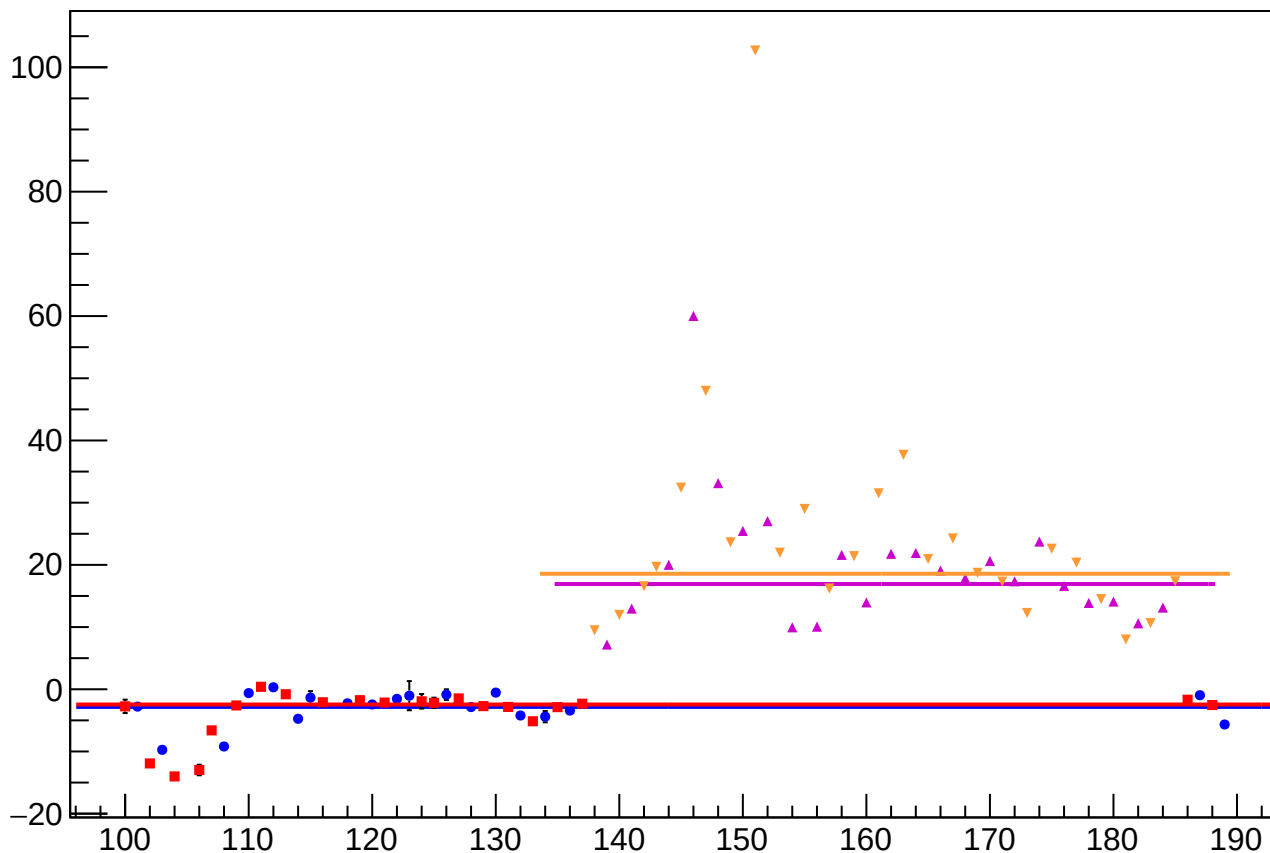
Right: 1.015 $\pm$ 0.041 χ^2 /NDF: 1811.4/39

In: 0.585 $\pm$ 0.028 χ^2 /NDF: 6911.2/41

Out: 0.643 $\pm$ 0.028 χ^2 /NDF: 7899.0/45

All: 0.614 $\pm$ 0.020 χ^2 /NDF: 14812.3/87

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.833 ± 0.093 $\chi^2/\text{NDF}: 682.5/18$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -2.453 ± 0.062 $\chi^2/\text{NDF}: 862.3/20$

Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

Left: 17.718 ± 0.028 $\chi^2/\text{NDF}: 117057.3/47$

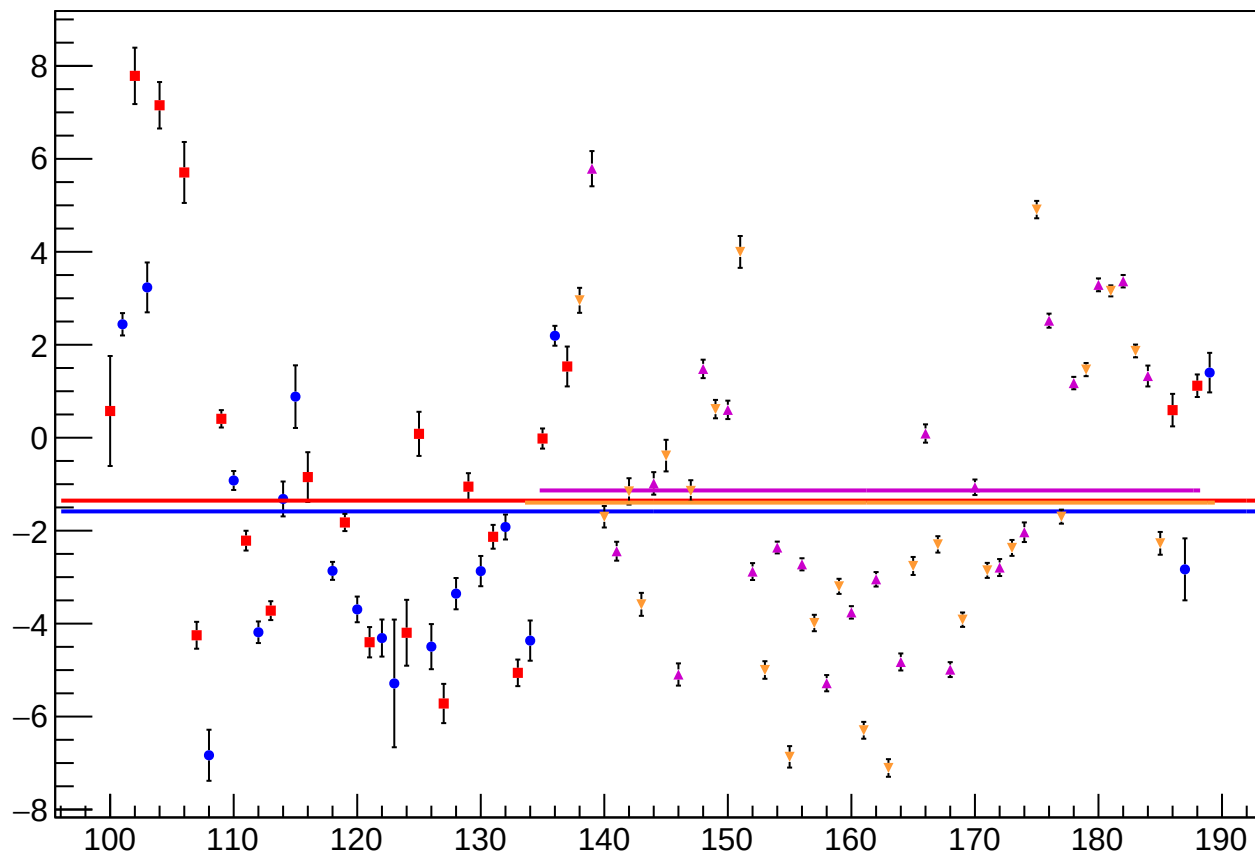
Right: -2.570 ± 0.051 $\chi^2/\text{NDF}: 1556.4/39$

In: 13.968 ± 0.036 $\chi^2/\text{NDF}: 79346.2/41$

Out: 12.317 ± 0.034 $\chi^2/\text{NDF}: 158037.8/45$

All: 13.092 ± 0.025 $\chi^2/\text{NDF}: 238506.2/87$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.586 ± 0.072 $\chi^2/\text{NDF}: 1244.7/18$

Left Out: -1.396 ± 0.037 $\chi^2/\text{NDF}: 7651.5/24$

Right Out: -1.353 ± 0.064 $\chi^2/\text{NDF}: 1599.0/20$

Left In: -1.135 ± 0.035 $\chi^2/\text{NDF}: 6597.7/22$

Left: -1.259 ± 0.025 $\chi^2/\text{NDF}: 14275.6/47$

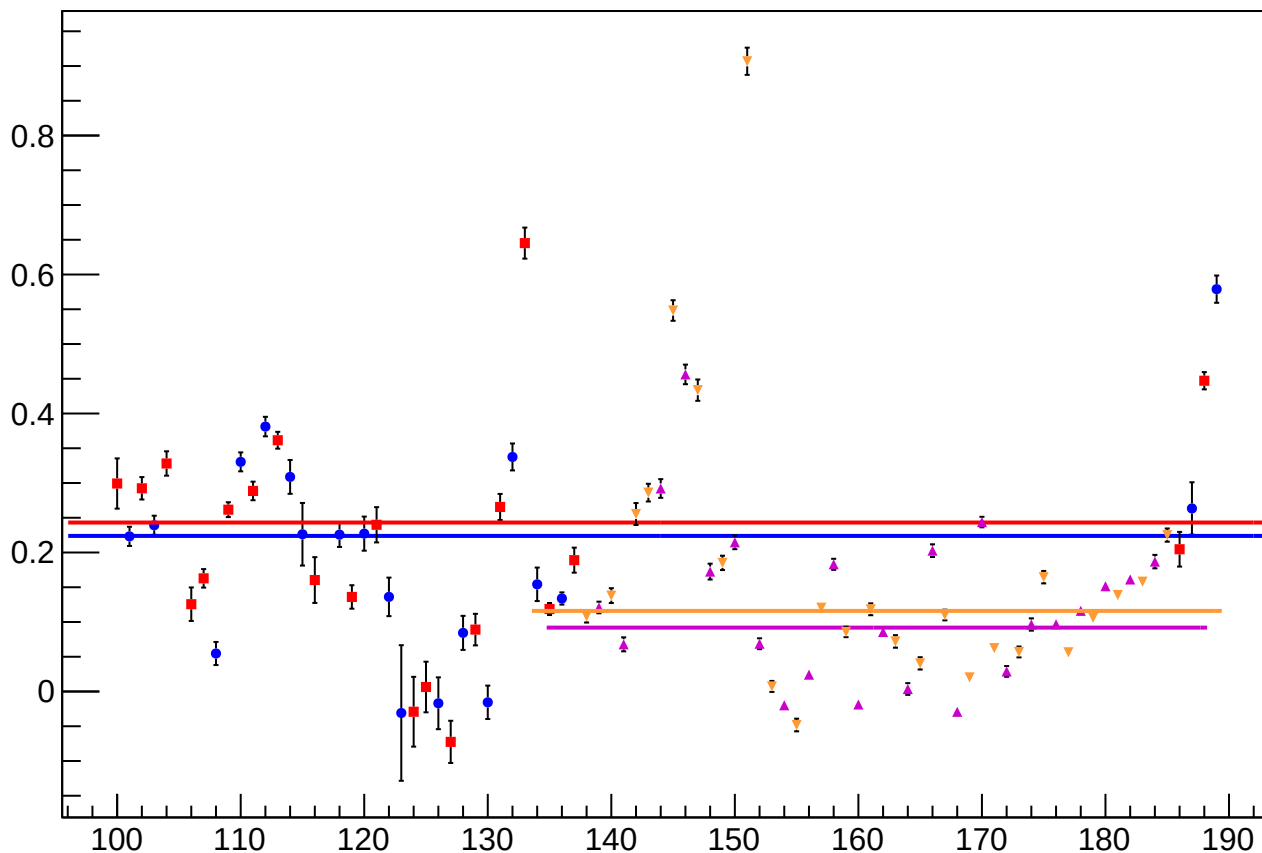
Right: -1.457 ± 0.048 $\chi^2/\text{NDF}: 2849.5/39$

In: -1.222 ± 0.032 $\chi^2/\text{NDF}: 7874.2/41$

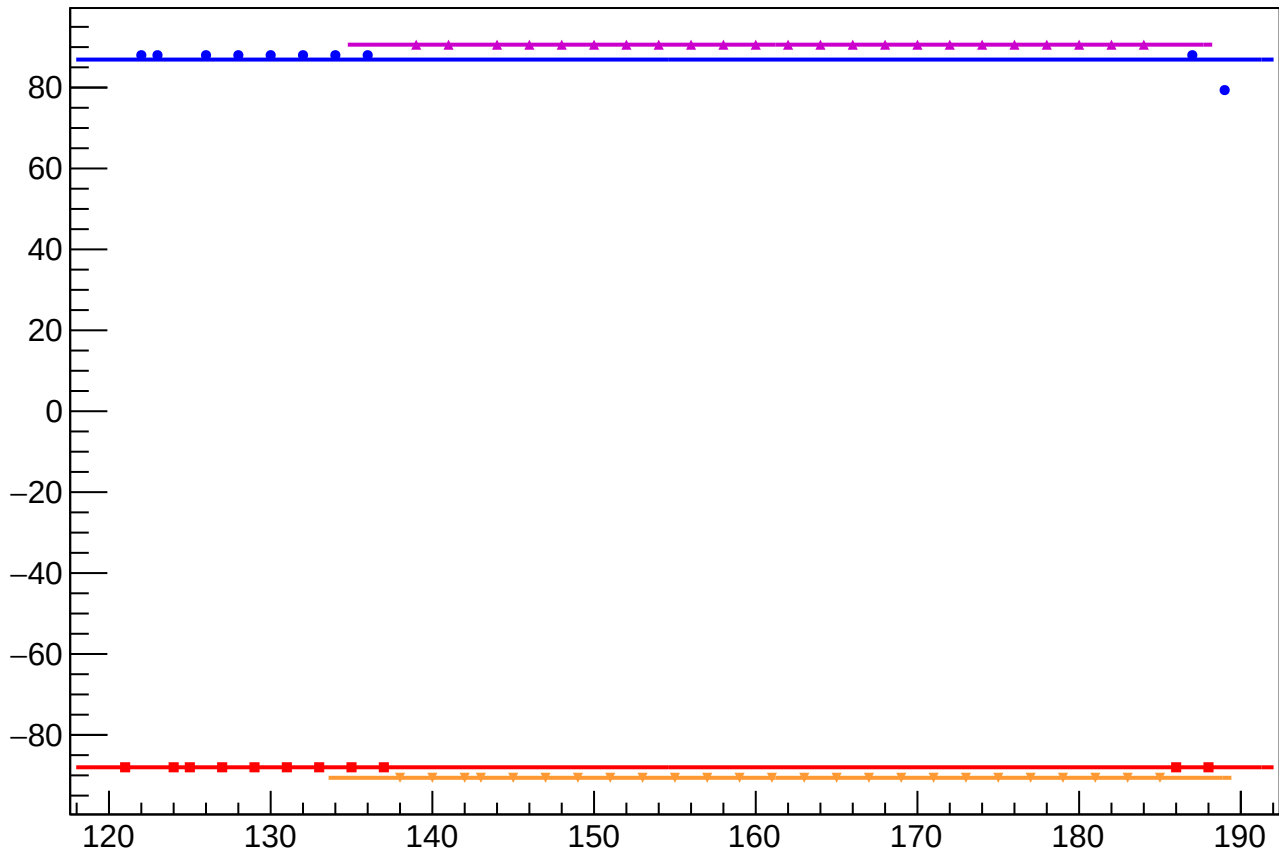
Out: -1.386 ± 0.032 $\chi^2/\text{NDF}: 9250.9/45$

All: -1.303 ± 0.022 $\chi^2/\text{NDF}: 17138.3/87$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



VWienAngle_mean vs Slug, Sign Corrected



Right In: 86.917+/-0.000

χ^2/NDF : 3319284182634901889497368914558976.0/9

Left: -2.410+/-0.000 χ^2/NDF : 30521213250005045

Right: -4.940+/-0.000 χ^2/NDF : 6526712332680861

Left Out: -90.599+/-0.000

χ^2/NDF : 6053403.0/24

In: 89.925+/-0.000 χ^2/NDF : 781633749868676797

Right Out: -88.001+/-0.000

χ^2/NDF : 211440.0/10

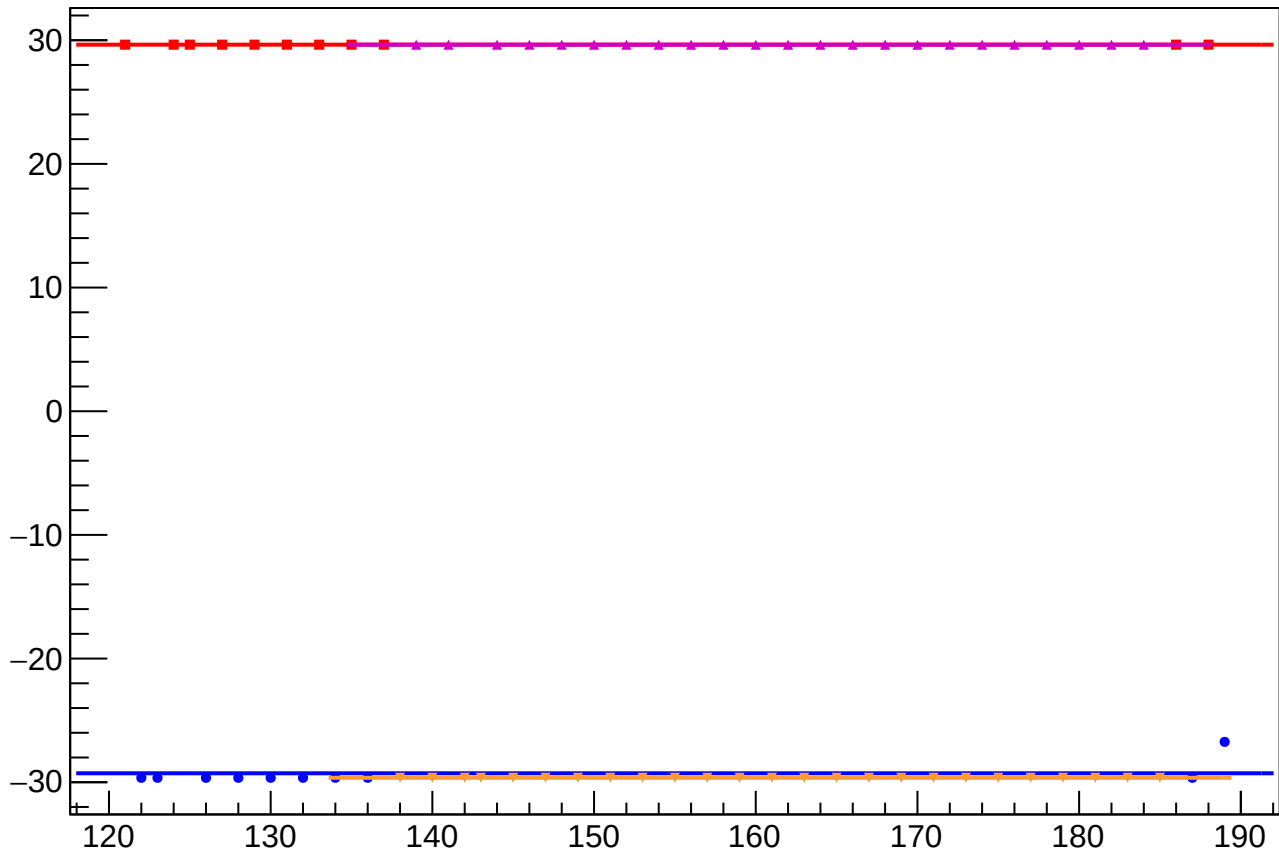
Out: -90.105+/-0.000 χ^2/NDF : 2454870270895208

Left In: 90.599+/-0.000

χ^2/NDF : 5932436.0/22

All: -2.883+/-0.000 χ^2/NDF : 3705237554254

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.276+/-0.000

Left Out: -29.641+/-0.000

Right Out: 29.641+/-0.000

Left In: 29.641+/-0.000

χ^2/NDF : 376572980077339540526258479693824.0/9

χ^2/NDF : 654199.2/24

χ^2/NDF : 352399.9/10

χ^2/NDF : 511825.6/22

Left: -0.789+/-0.000 χ^2/NDF : 32668496095314519

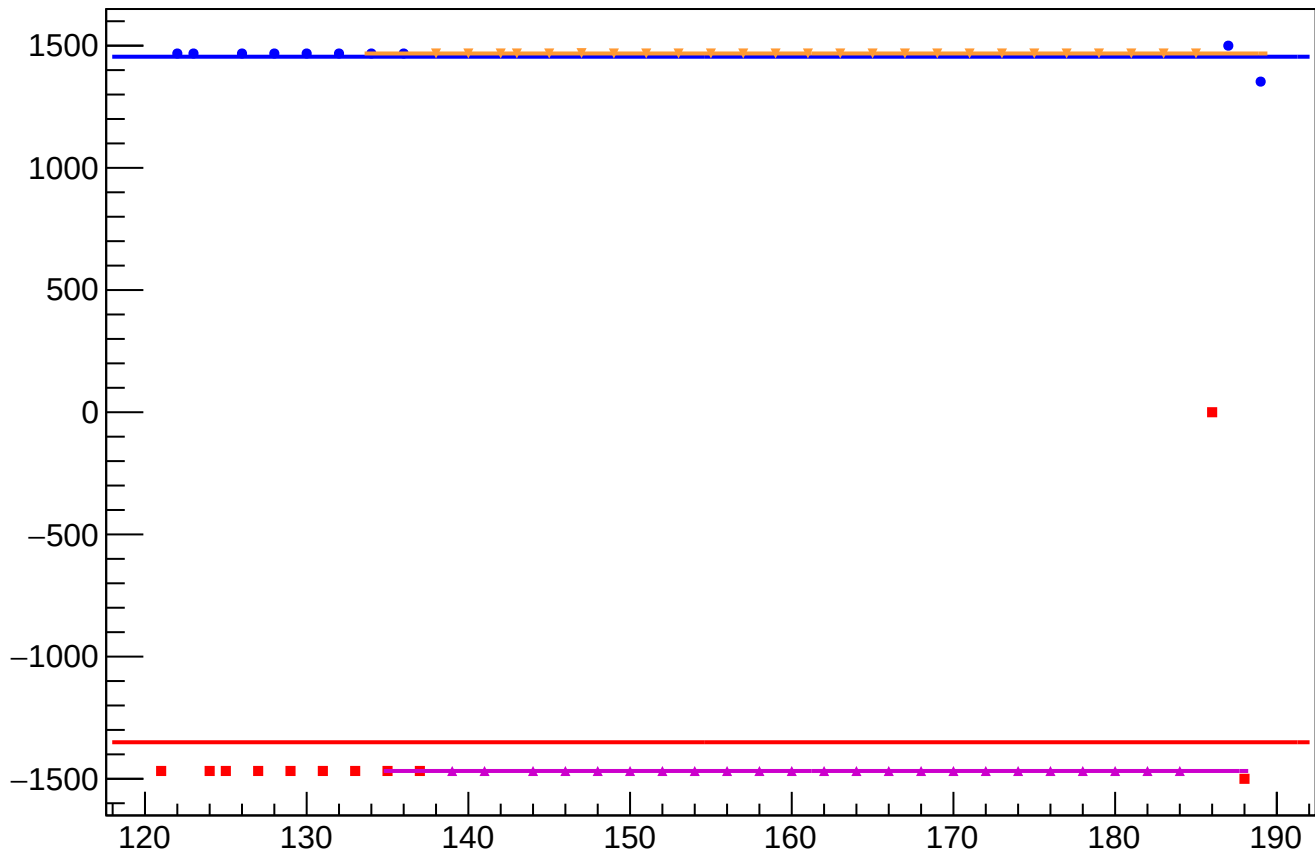
Right: 1.664+/-0.000 χ^2/NDF : 74045588686960551

In: 18.851+/-0.000 χ^2/NDF : 115157661358864937

Out: -18.357+/-0.000 χ^2/NDF : 1277581933889215

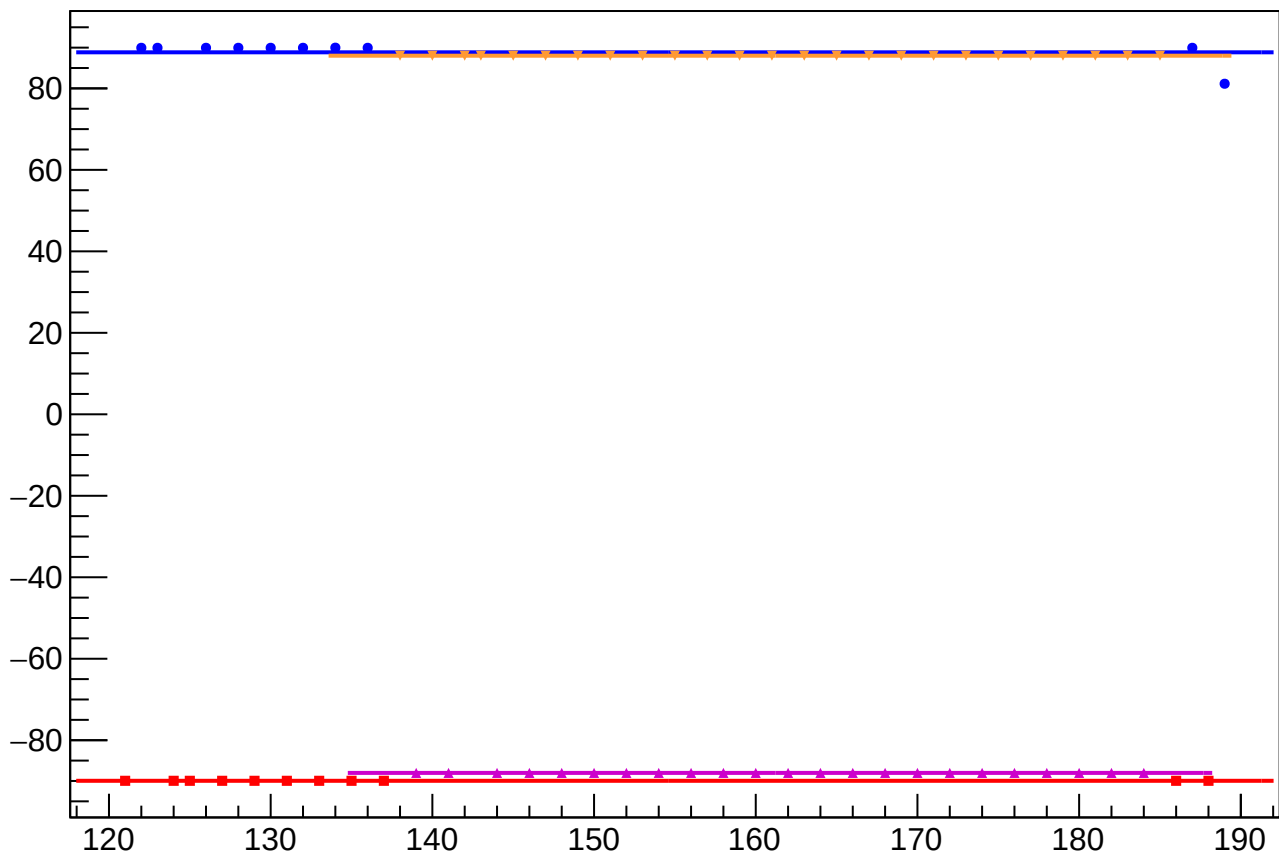
All: -0.330+/-0.000 χ^2/NDF : 4011487764418

psub_pl_pos_mean vs Slug, Sign Corrected



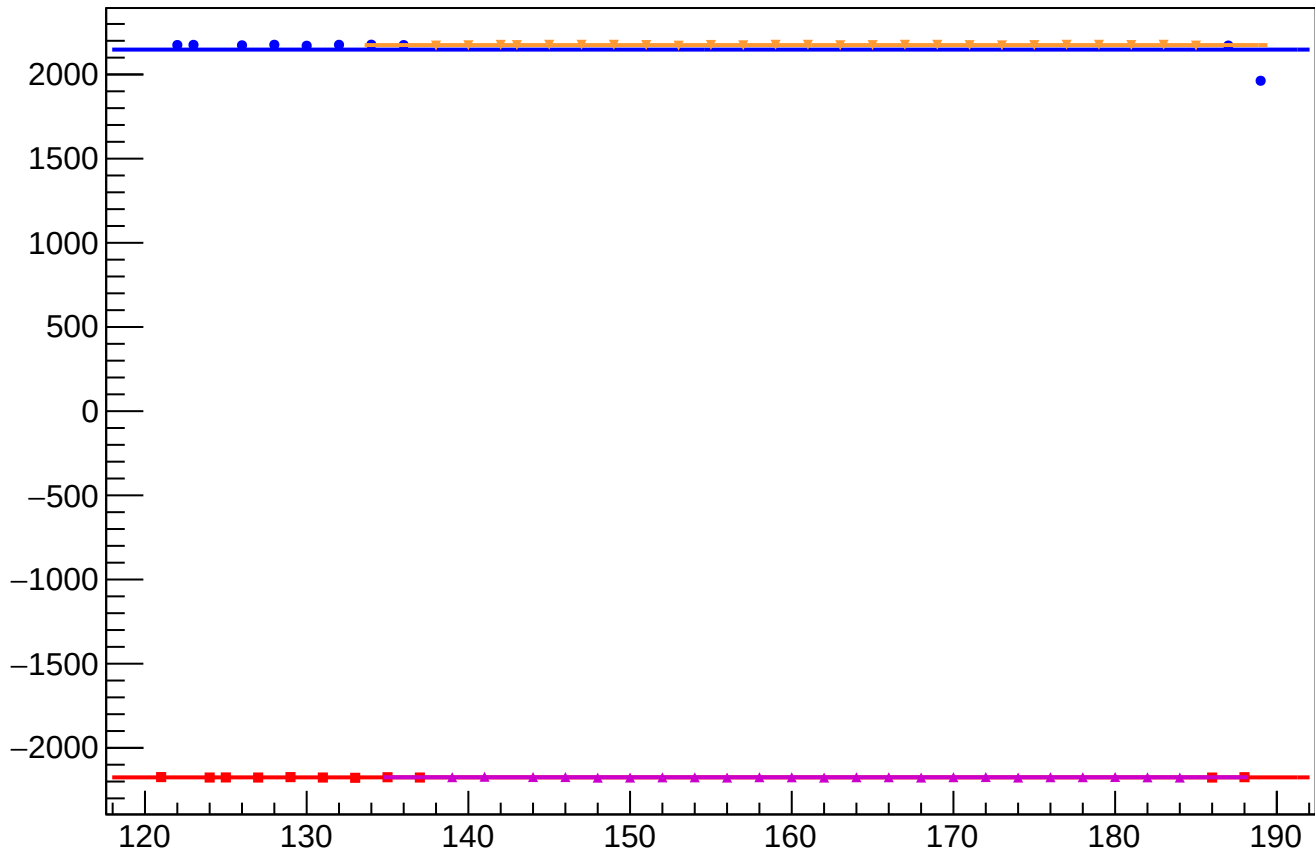
Right In: 1454.791+/-0.000 χ^2/NDF : 620701470025135611061893911168417792.0/9
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24
 Right Out: -1350.445+/-0.000 χ^2/NDF : 75781328288501182140186914980007772160.0/10
 Left In: -1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22
 All: 28.350+/-0.000 χ^2/NDF : 9769910180077

Phi_FG_mean vs Slug, Sign Corrected



Right In: 88.853+/-0.000	χ^2/NDF : 3470239709183582261005318560415744.0/9	Left: 2.342+/-0.000	χ^2/NDF : 288085769312401978
Left Out: 88.021+/-0.000	χ^2/NDF : 5326388.8/24	Right: -5.050+/-0.000	χ^2/NDF : 6820601724037552
Right Out: -89.959+/-0.000	χ^2/NDF : 1123842.8/10	In: -55.630+/-0.000	χ^2/NDF : 10378897307600813
Left In: -88.021+/-0.000	χ^2/NDF : 6084099.2/22	Out: 54.145+/-0.000	χ^2/NDF : 11515801552452712
		All: 0.961+/-0.000	χ^2/NDF : 35667161912342

HALLA_p_mean vs Slug, Sign Corrected



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

Left: 57.898 $\pm$ 0.000 χ^2 /NDF: 1758341875465085.0/9

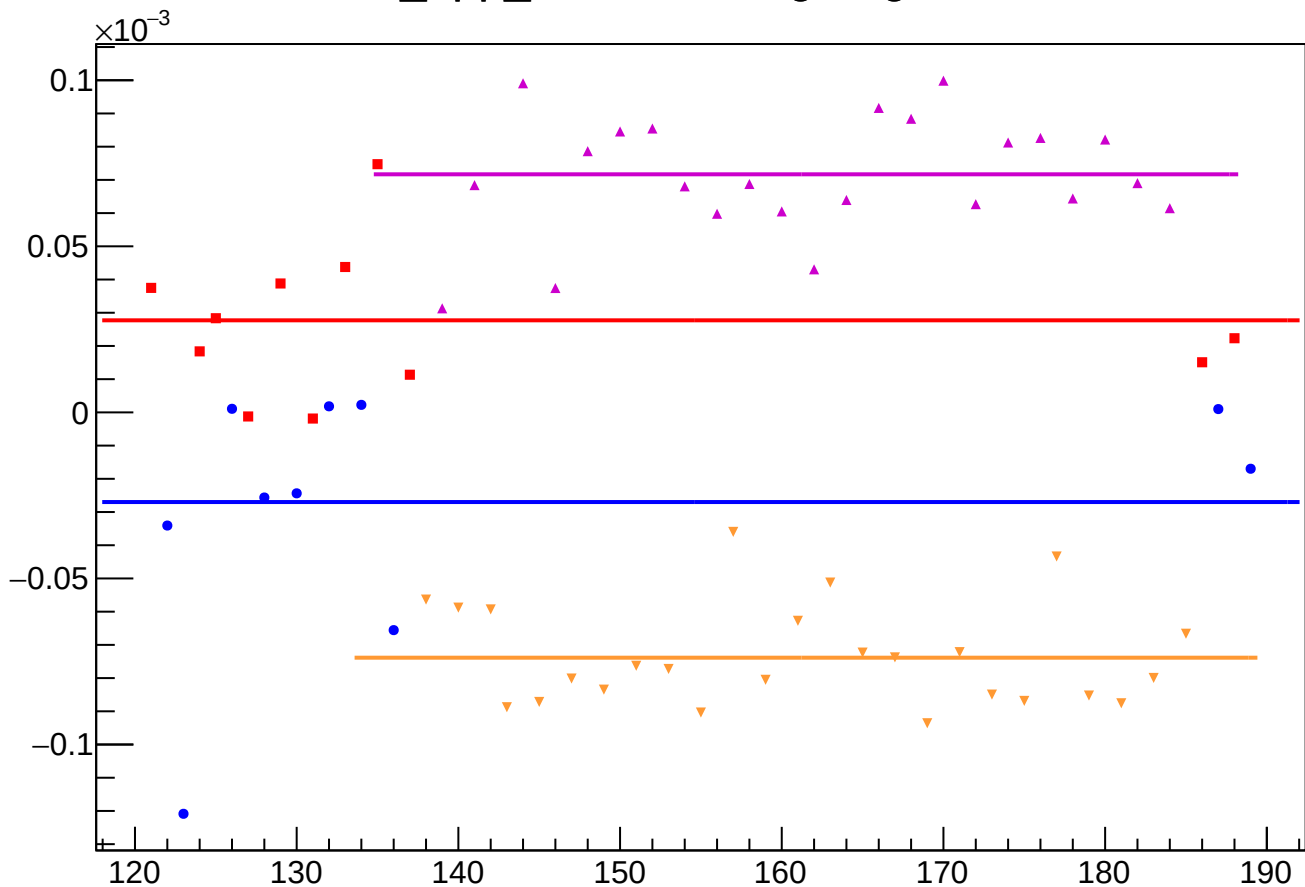
Right: -122.439 $\pm$ 0.000 χ^2 /NDF: 39865773930039.0/9

In: -1382.991 $\pm$ 0.000 χ^2 /NDF: 619802404592047.0/9

Out: 1346.691 $\pm$ 0.000 χ^2 /NDF: 687866301558356.0/9

All: 24.203 $\pm$ 0.000 χ^2 /NDF: 2159260661373.0/9

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000

χ^2/NDF : 269004303271763004882944.0/9

Left: -0.000+/-0.000

χ^2/NDF : 20702696564433151

Right: 0.000+/-0.000

χ^2/NDF : 11145901168513864

Left Out: -0.000+/-0.000

χ^2/NDF : 450400934180541069000704.0/24

In: 0.000+/-0.000

χ^2/NDF : 4060321979367252033

Right Out: 0.000+/-0.000

χ^2/NDF : 207362101773390716076032.0/10

Out: -0.000+/-0.000

χ^2/NDF : 44086669313858049

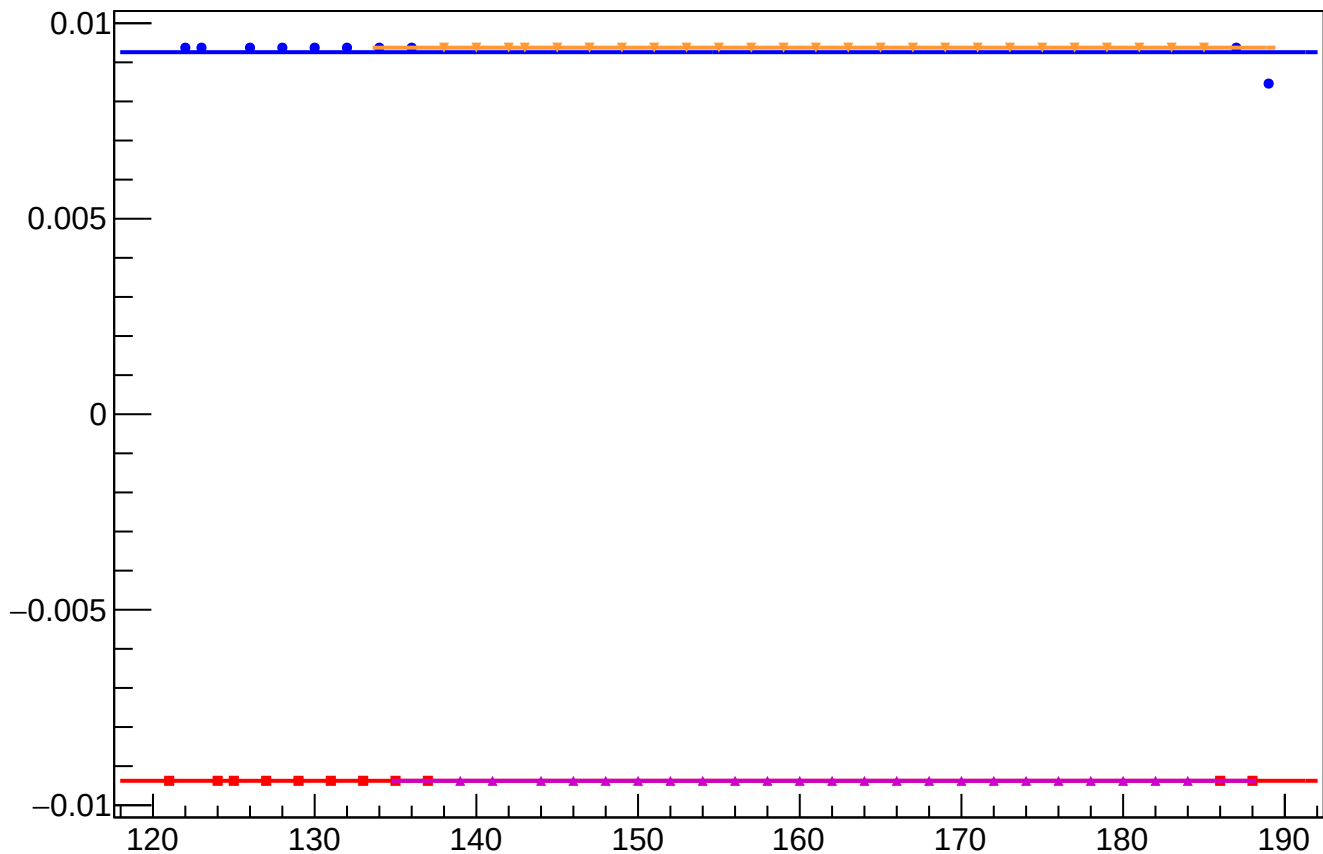
Left In: 0.000+/-0.000

χ^2/NDF : 562166279020739416817664.0/22

All: -0.000+/-0.000

χ^2/NDF : 2183305761877

MQ171LM_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000

χ^2/NDF : 326809514411447718

Right: -0.001+/-0.000

χ^2/NDF : 7407381965944261

In: -0.006+/-0.000

χ^2/NDF : 115201566915246860

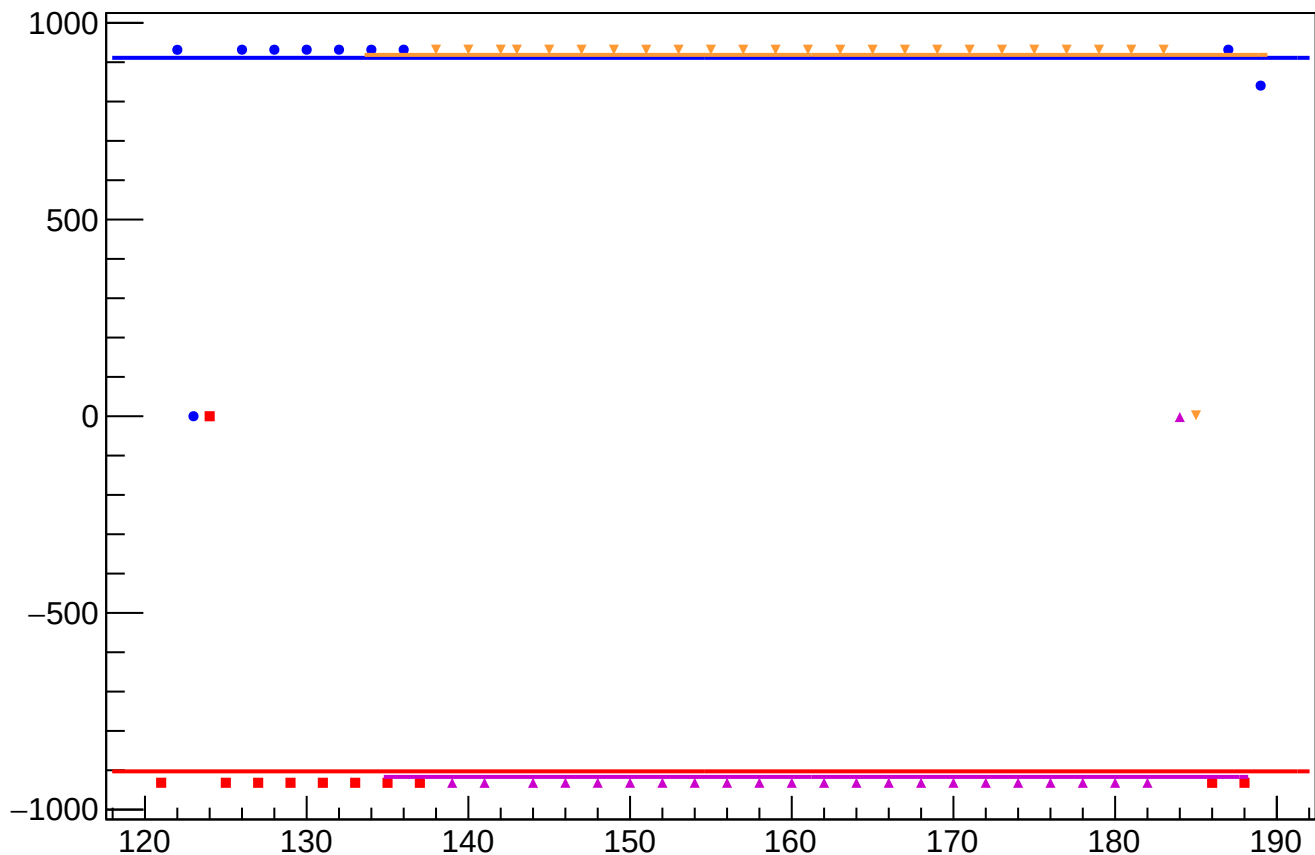
Out: 0.006+/-0.000

χ^2/NDF : 127806903083933578

All: 0.000+/-0.000

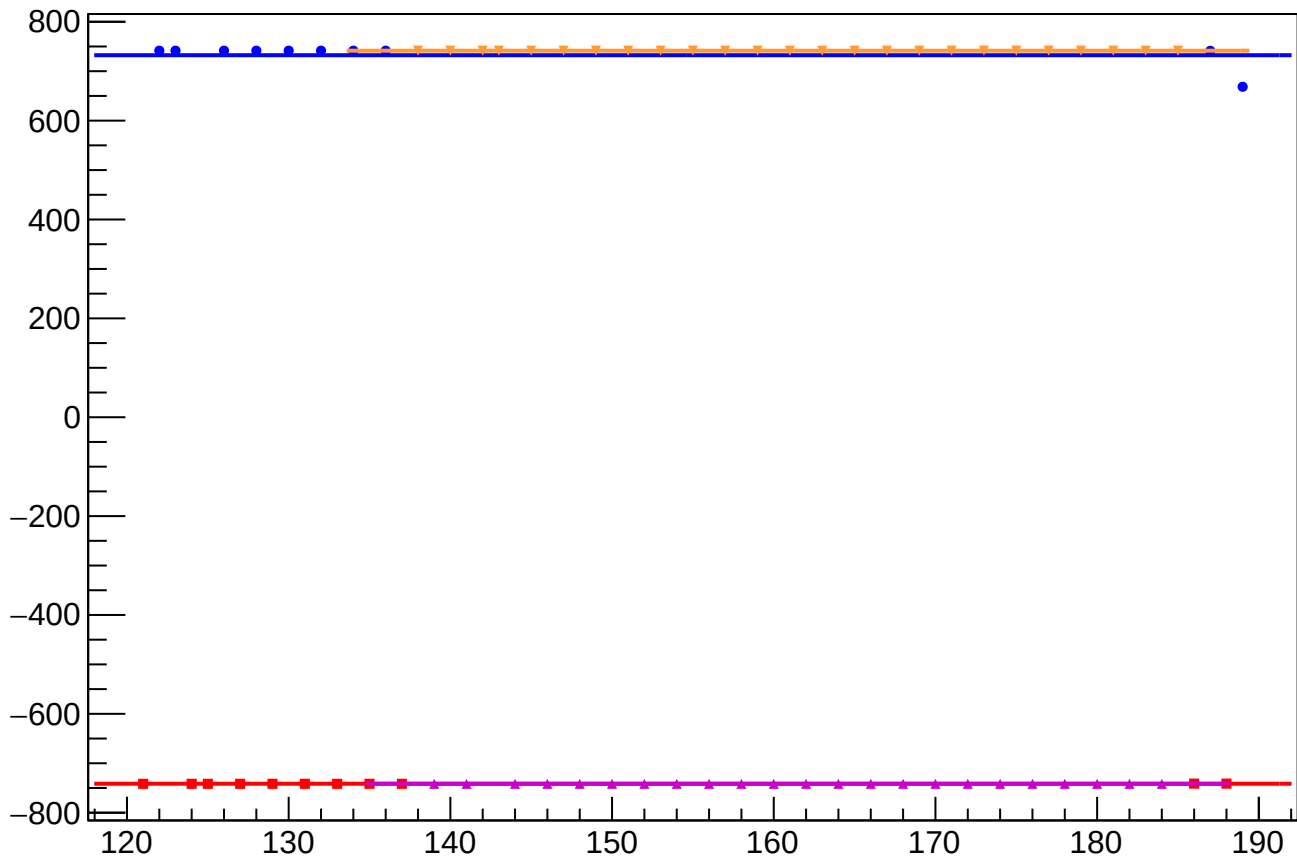
χ^2/NDF : 40130172032772

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



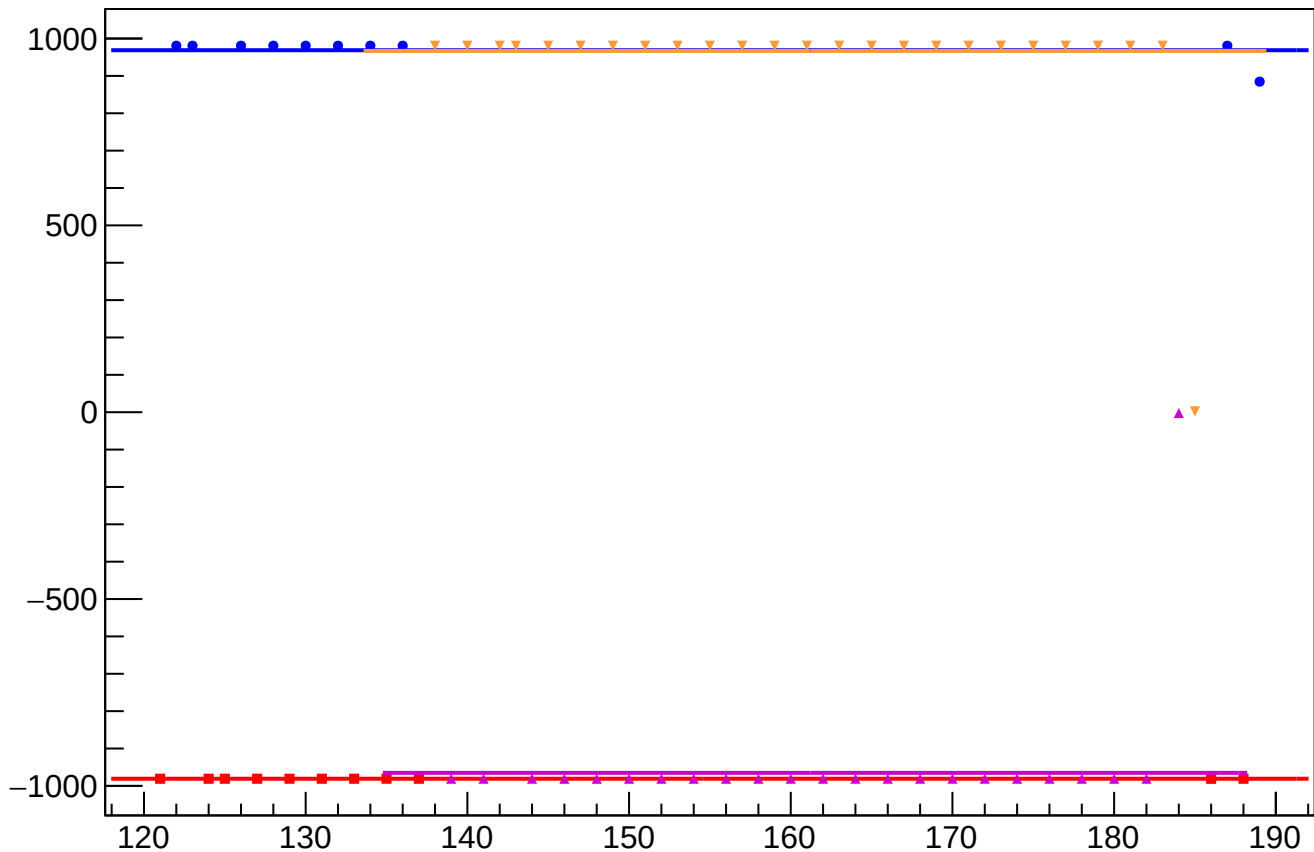
Right In: 911.148+/-0.000 χ^2/NDF : 3724814795110127321454463350940368896.0/9
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: -902.771+/-0.000 χ^2/NDF : 11776332241728664089316920406025699328.0/10
 Left In: -916.890+/-0.000 χ^2/NDF : 2466789491747623125028694438888133632.0/22
 All: 12.829+/-0.000 χ^2/NDF : 3899758206073

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 732.340+/-0.000	χ^2/NDF : 237710663434083416401695996945367040.0/9	Left: 19.729+/-0.000	χ^2/NDF : 20445098666994125
Left Out: 741.513+/-0.000	χ^2/NDF : 244782737401533731539808944128.0/24	Right: -41.600+/-0.000	χ^2/NDF : 463322692020608
Right Out: -741.421+/-0.000	χ^2/NDF : 12365524190581469761062494535680.0/10	In: -471.605+/-0.000	χ^2/NDF : 7206593445556773
Left In: -741.512+/-0.000	χ^2/NDF : 215375309108434607405602439168.0/22	Out: 459.259+/-0.000	χ^2/NDF : 7994579732677657
	All: 8.270+/-0.000		χ^2/NDF : 25104475588728

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 968.742+/-0.000

χ^2/NDF : 412556623891481458701173598650892288.0/9

Left Out: 966.936+/-0.000

χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: -980.851+/-0.000

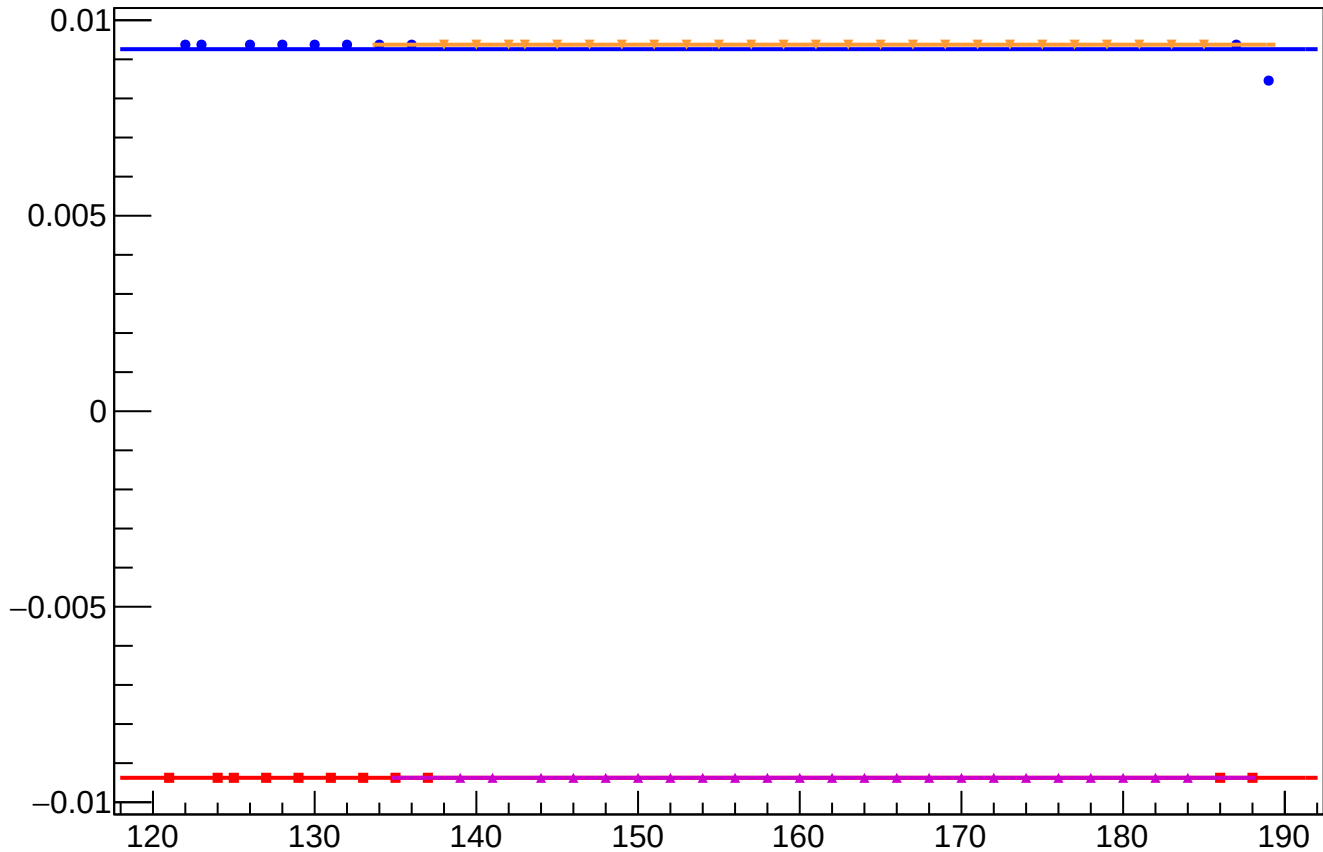
χ^2/NDF : 1772402309418359579980358221824.0/10

Left In: -965.102+/-0.000

χ^2/NDF : 27330319430012441419356351914146004992.0/22

All: 11.354+/-0.000 χ^2/NDF : 4338212247480

MQ172RM_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000

χ^2/NDF : 326809514411447718

Right: -0.001+/-0.000

χ^2/NDF : 7407381965944261

In: -0.006+/-0.000

χ^2/NDF : 115201566915246860

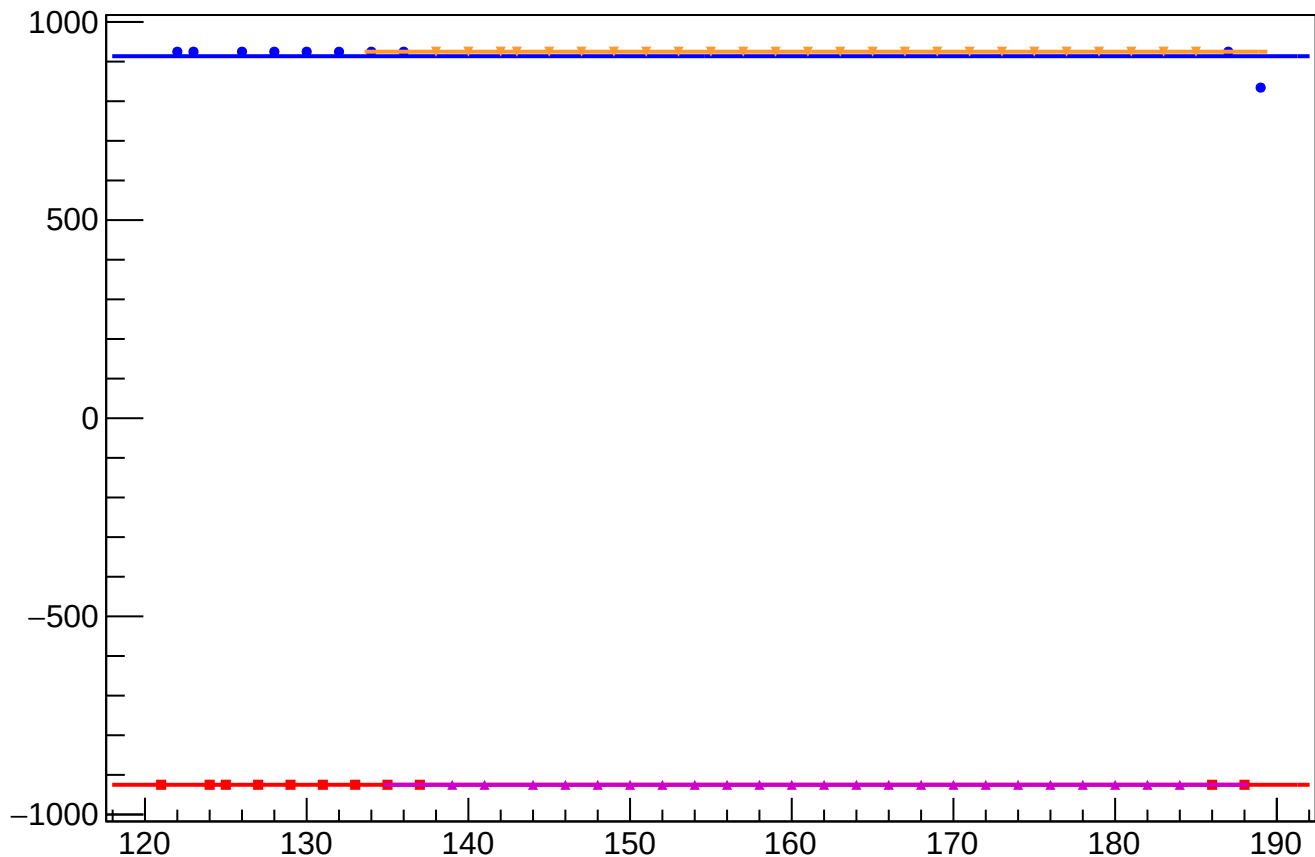
Out: 0.006+/-0.000

χ^2/NDF : 127806903083933578

All: 0.000+/-0.000

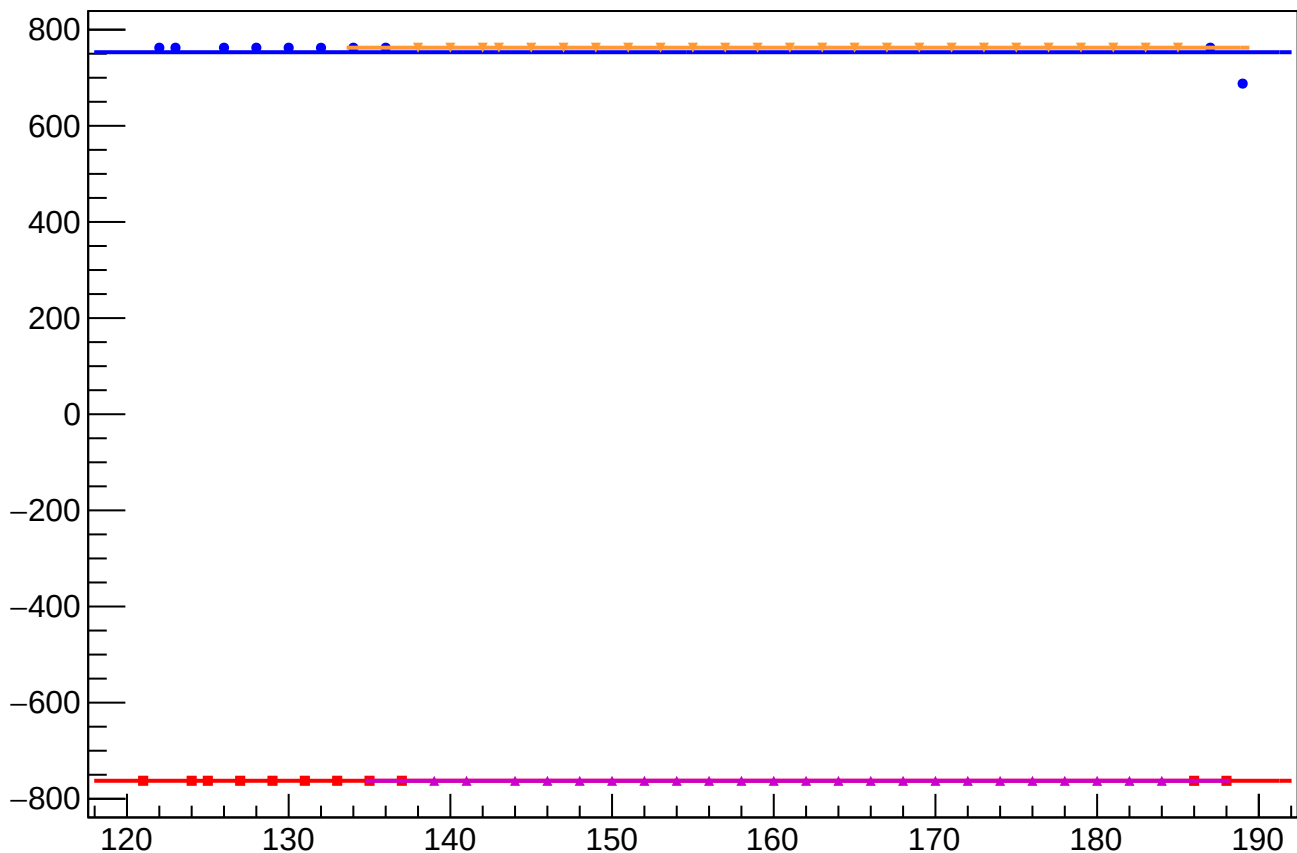
χ^2/NDF : 40130172032772

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



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: 10.307+/-0.000 χ^2/NDF : 3906543331789

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 753.107+/-0.000

χ^2/NDF : 248676605118673056468442306043707392.0/9

Left Out: 762.518+/-0.000

χ^2/NDF : 731741258759628909874415403008.0/24

Right Out: -762.523+/-0.000

χ^2/NDF : 493880802026286301529266716672.0/10

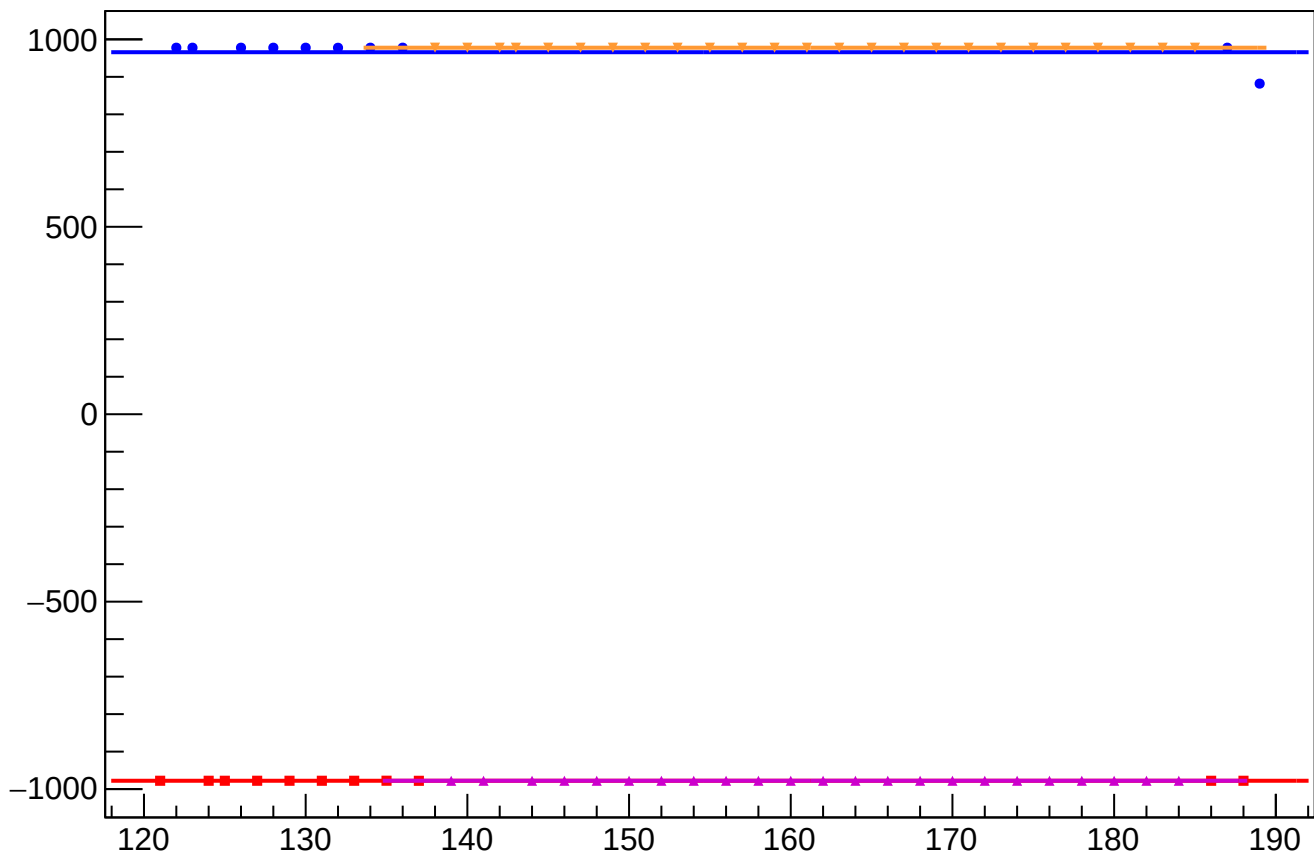
Left In: -762.519+/-0.000

χ^2/NDF : 629058355419214408155297480704.0/22

All: 8.496+/-0.000

χ^2/NDF : 26547752212863

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 965.707+/-0.000

χ^2/NDF : 409469280914675504381927925097693184.0/9

Left Out: 977.738+/-0.000

χ^2/NDF : 1154150409979077132991401558016.0/24

Right Out: -977.751+/-0.000

χ^2/NDF : 978503395733679533050610843648.0/10

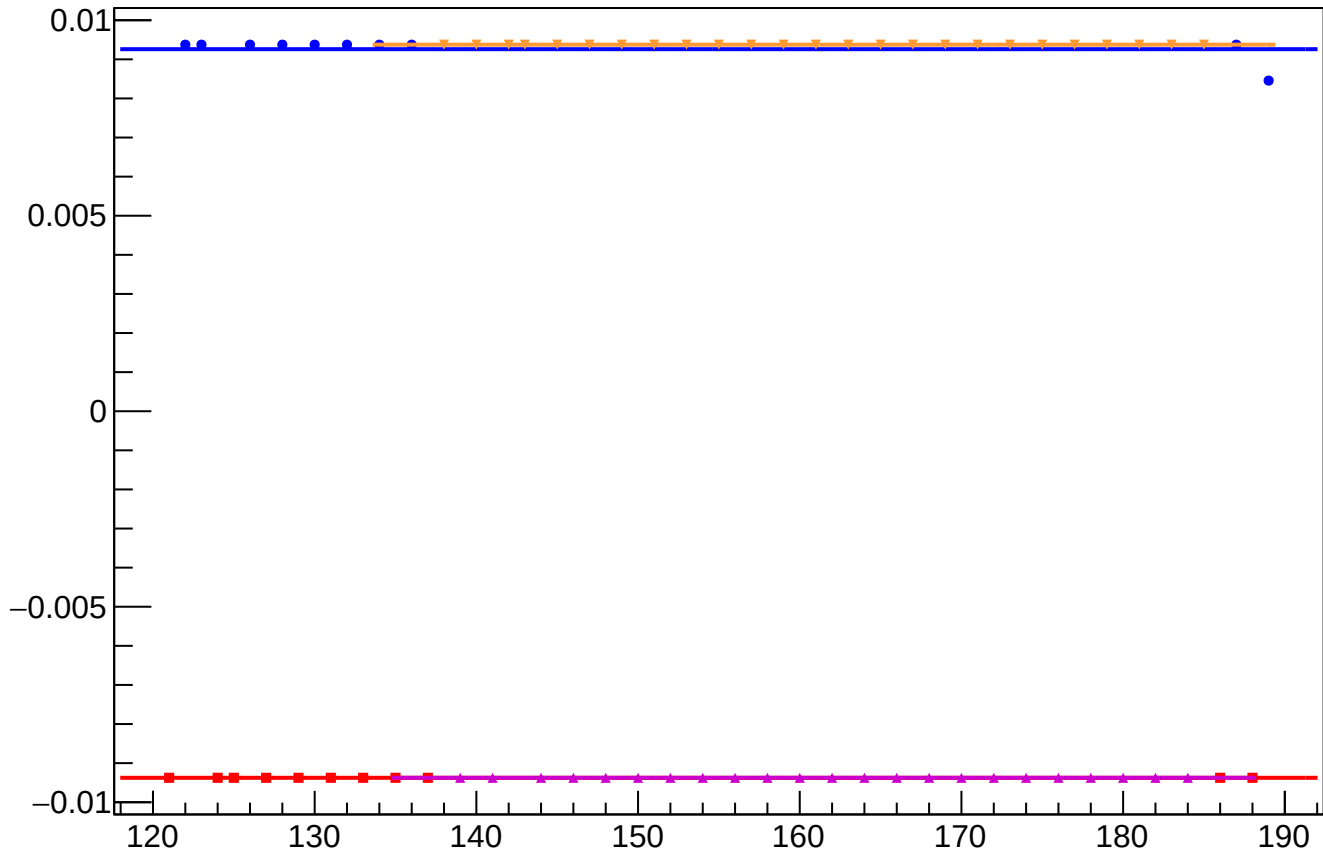
Left In: -977.735+/-0.000

χ^2/NDF : 976503887937607318263199432704.0/22

All: 10.898+/-0.000

χ^2/NDF : 4364897511646

hesDipole_current_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000

χ^2/NDF : 326809514411447718

Right: -0.001+/-0.000

χ^2/NDF : 7407381965944261

In: -0.006+/-0.000

χ^2/NDF : 115201566915246860

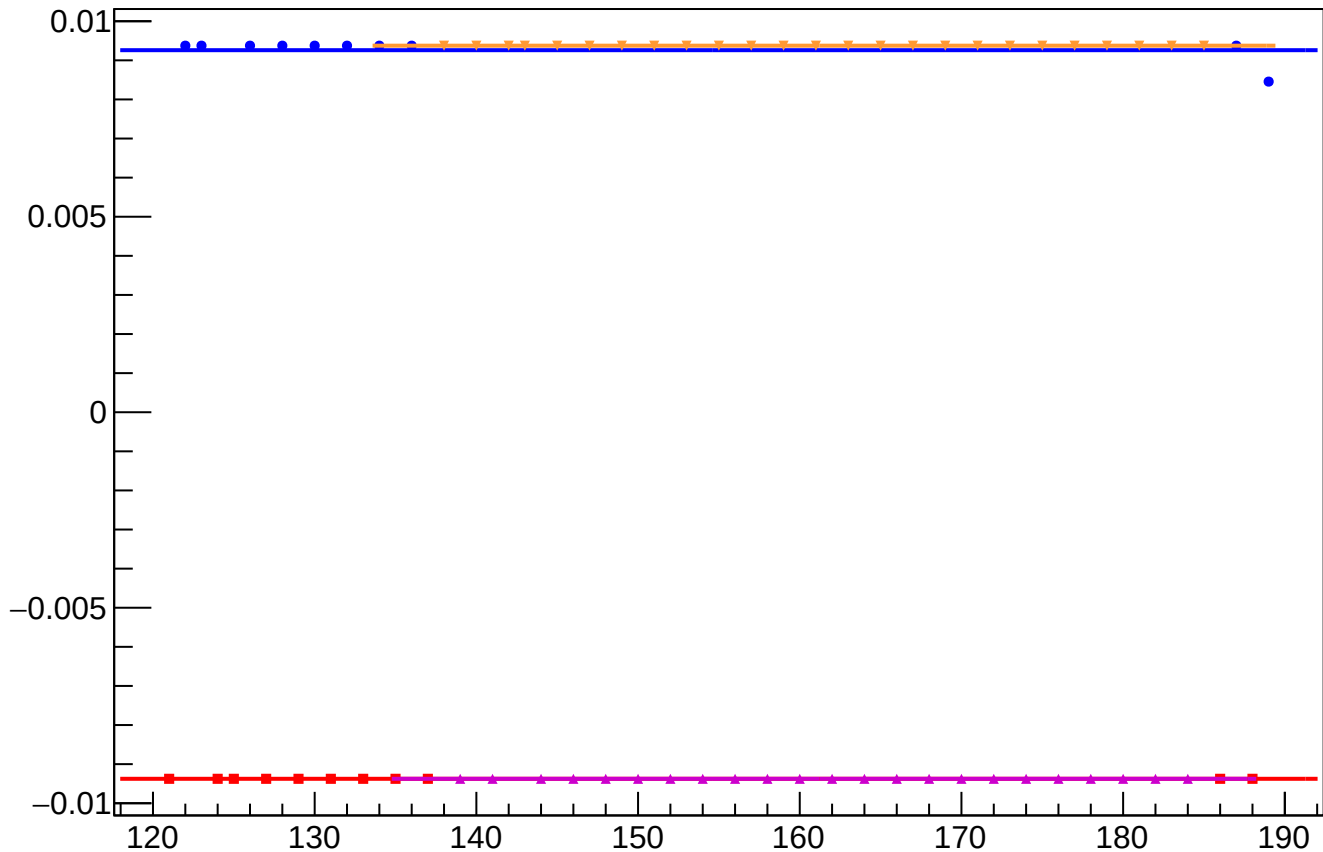
Out: 0.006+/-0.000

χ^2/NDF : 127806903083933578

All: 0.000+/-0.000

χ^2/NDF : 40130172032772

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000

χ^2/NDF : 326809514411447718

Right: -0.001+/-0.000

χ^2/NDF : 7407381965944261

In: -0.006+/-0.000

χ^2/NDF : 115201566915246860

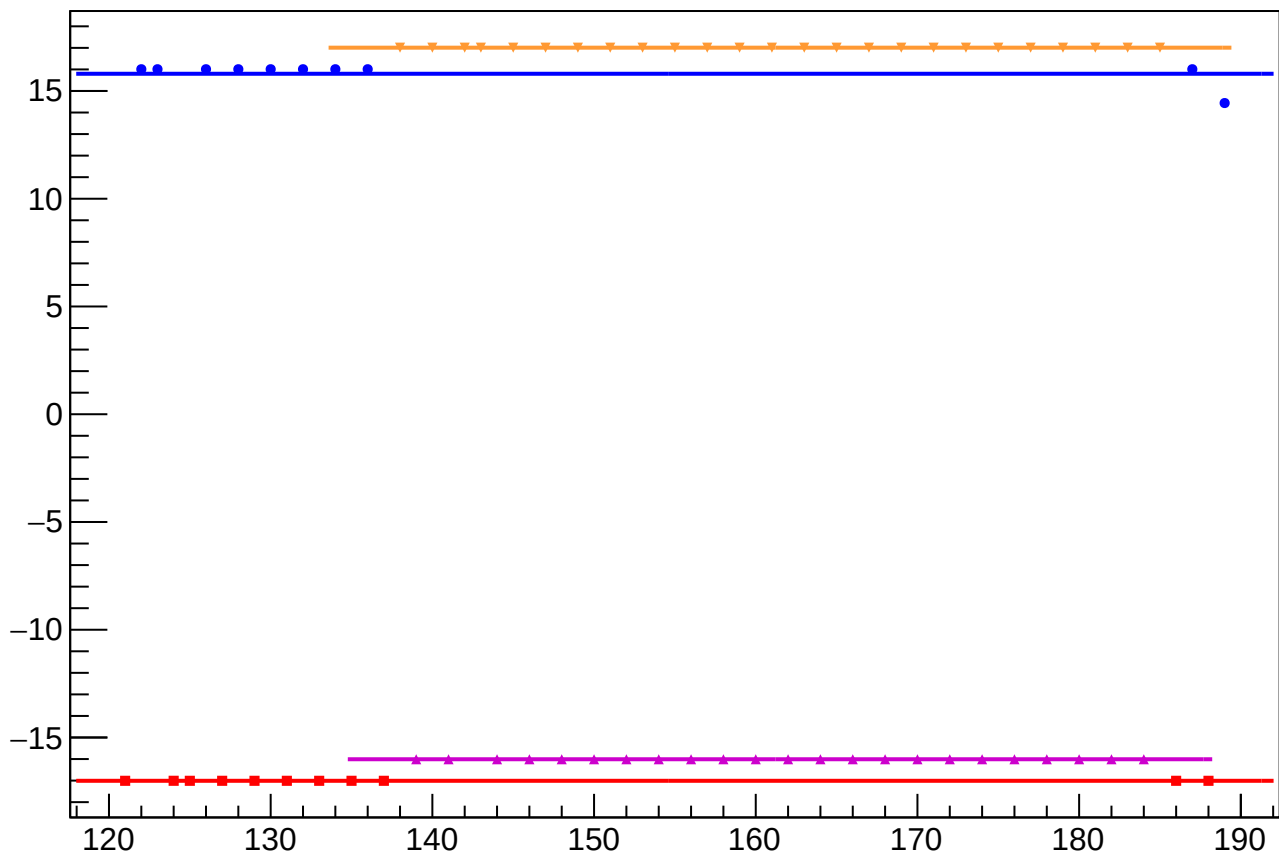
Out: 0.006+/-0.000

χ^2/NDF : 127806903083933578

All: 0.000+/-0.000

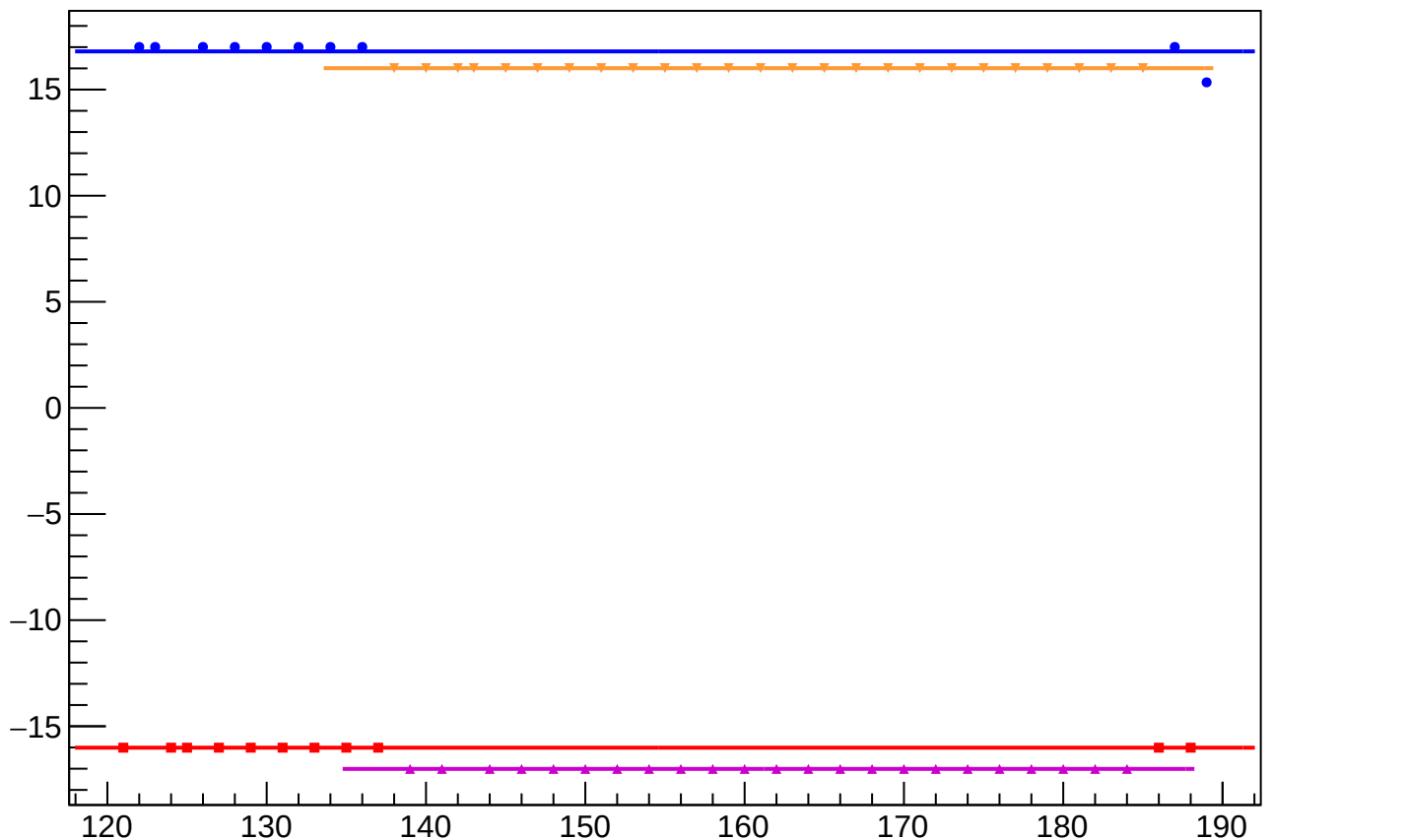
χ^2/NDF : 40130172032772

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



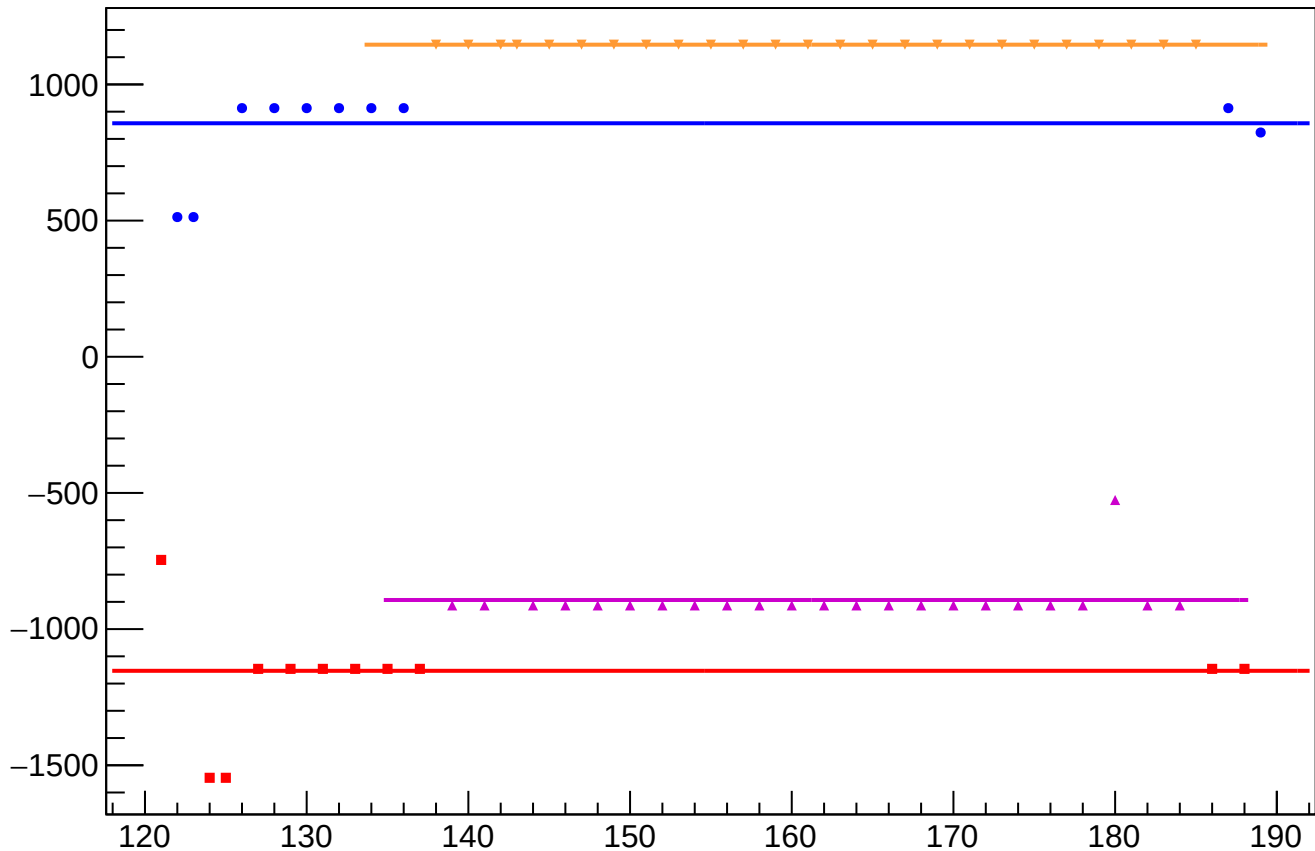
Right In: 15.799 $\pm$ 0.000 χ^2 /NDF: 108775450098059645296703598231552.0/9
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26284444608576238643052544.0/24
 Right Out: -17.009 $\pm$ 0.000 χ^2 /NDF: 9986180366773979357118464.0/10
 Left In: -16.009 $\pm$ 0.000 χ^2 /NDF: 127973174512756677672960.0/22
 All: 0.442 $\pm$ 0.000 χ^2 /NDF: 11642843918475

IGL1I00OD16_16_mean vs Slug, Sign Corrected



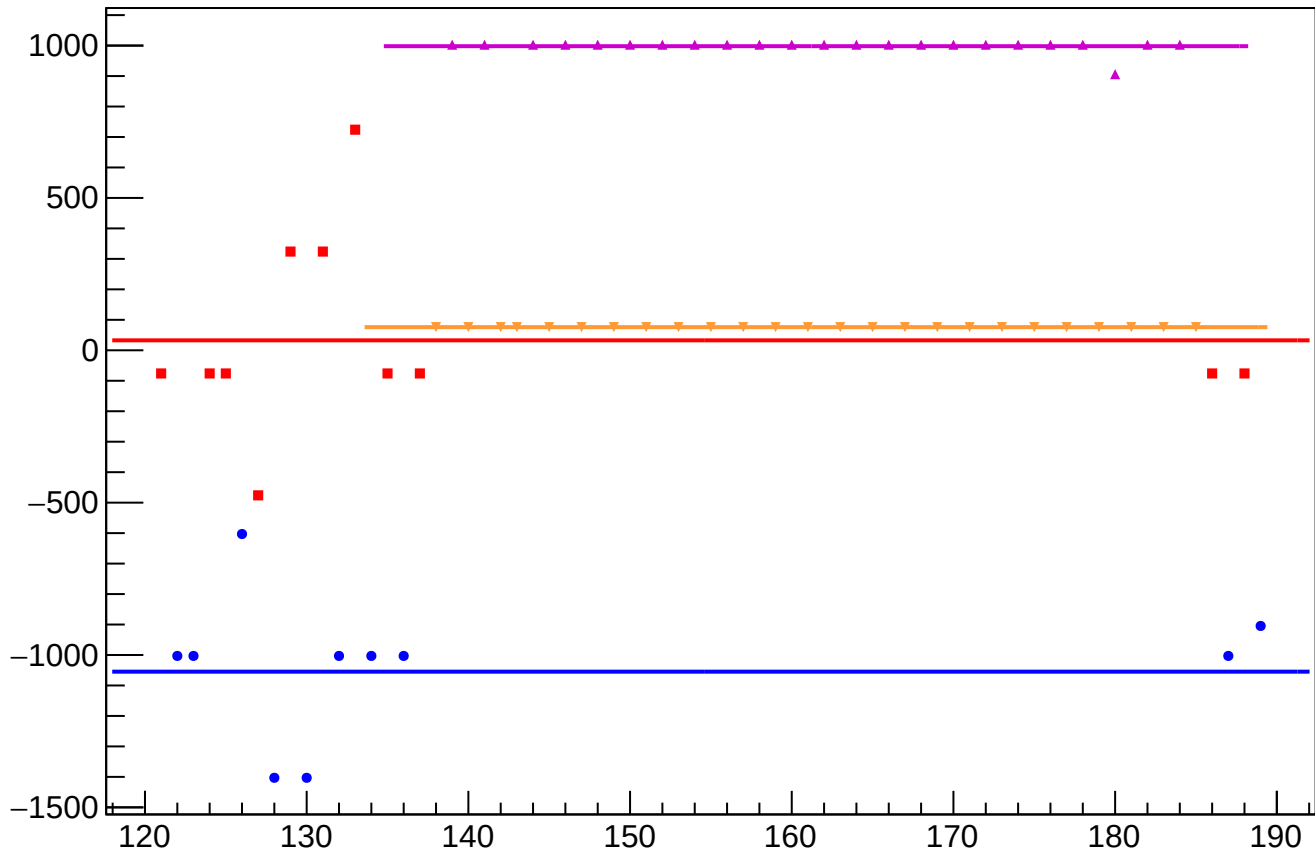
Right In: 16.800 $\pm$ 0.000 χ^2 /NDF: 124007760372804678512643332374528.0/9
 Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 89740.8/24
 Right Out: -16.009 $\pm$ 0.000 χ^2 /NDF: 144834.9/10
 Left In: -17.009 $\pm$ 0.000 χ^2 /NDF: 115033472633445654986752.0/22
 All: -0.047 $\pm$ 0.000 χ^2 /NDF: 1224099747048

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 857.414 $\pm$ 0.000 χ^2 /NDF: 6354508219207121827863428688842326016.0/9
 Left Out: 1146.011 $\pm$ 0.000 χ^2 /NDF: 8041760976861450519237885952.0/24
 Right Out: -1153.137 $\pm$ 0.000 χ^2 /NDF: 13737861351801416055381959770321715200.0/10
 Left In: -893.116 $\pm$ 0.000 χ^2 /NDF: 13219826761707982974212661987208331264.0/22
 All: 87.806 $\pm$ 0.000 χ^2 /NDF: 4846591418850

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1054.676±/0.000

χ²/NDF: 22608131434739457083296378094400569344.0/9

Left Out: 76.011±/0.000

χ²/NDF: 11003263624957134120836661248.0/24

Right Out: 32.676±/0.000

χ²/NDF: 41735832039784643419524751117523091456.0/10

Left In: 998.020±/0.000

χ²/NDF: 826231736084035689068445378231140352.0/22

All: 336.335±/0.000 χ²/NDF: 181448986560