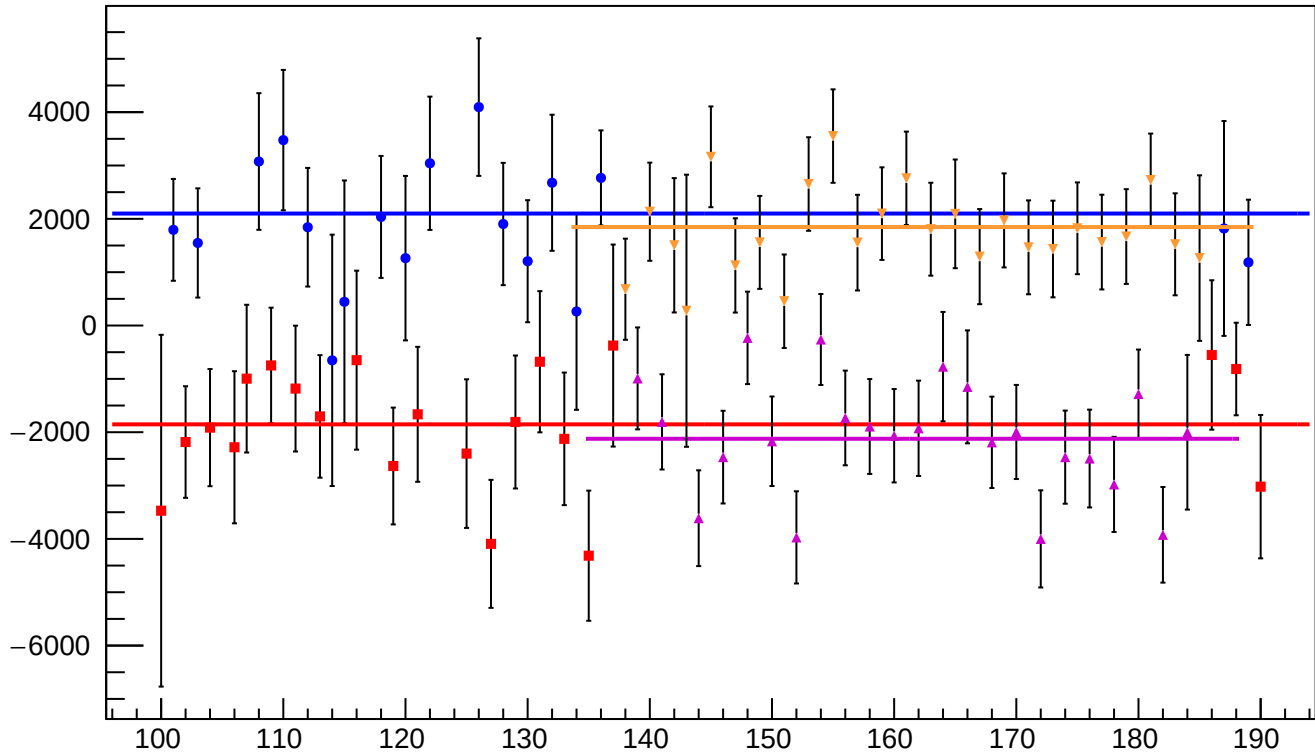


reg_asym_us_avg_mean vs Slug



Right In: 2099.413 $\pm$ 294.712

χ^2 /NDF: 10.3/17

Left Out: 1845.799 $\pm$ 186.902

χ^2 /NDF: 15.5/24

Right Out: -1852.727 $\pm$ 273.111

χ^2 /NDF: 15.5/20

Left In: -2123.138 $\pm$ 188.684

χ^2 /NDF: 32.0/22

+ sign 1918.543 $\pm$ 157.837

χ^2 /NDF: 26.3/42

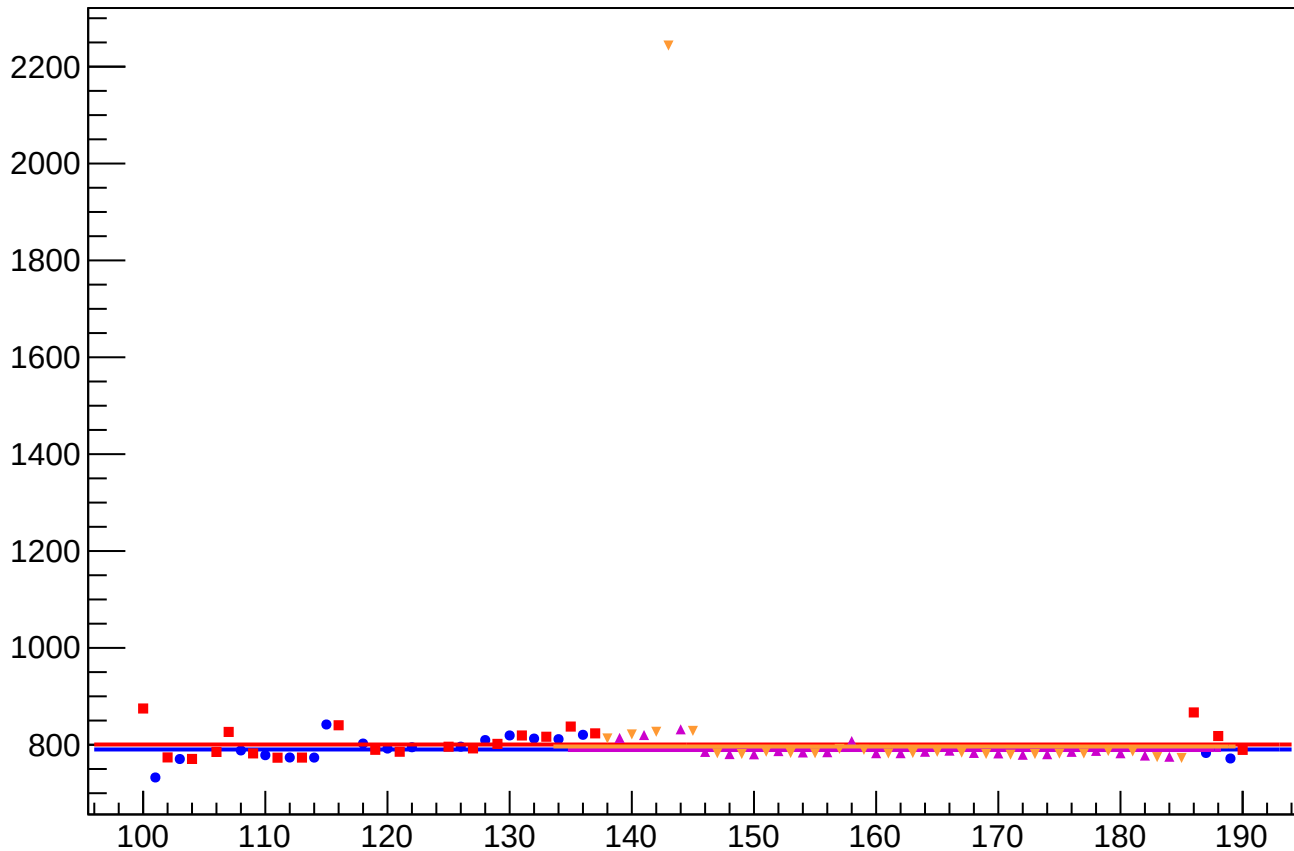
All: -91.429 $\pm$ 110.678

χ^2 /NDF: 393.5/86

- sign -2035.771 $\pm$ 155.239

χ^2 /NDF: 48.1/43

reg_asym_us_avg_rms vs Slug



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

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

Right Out: 800.541 ± 0.193 χ^2/NDF : 17468.2/20

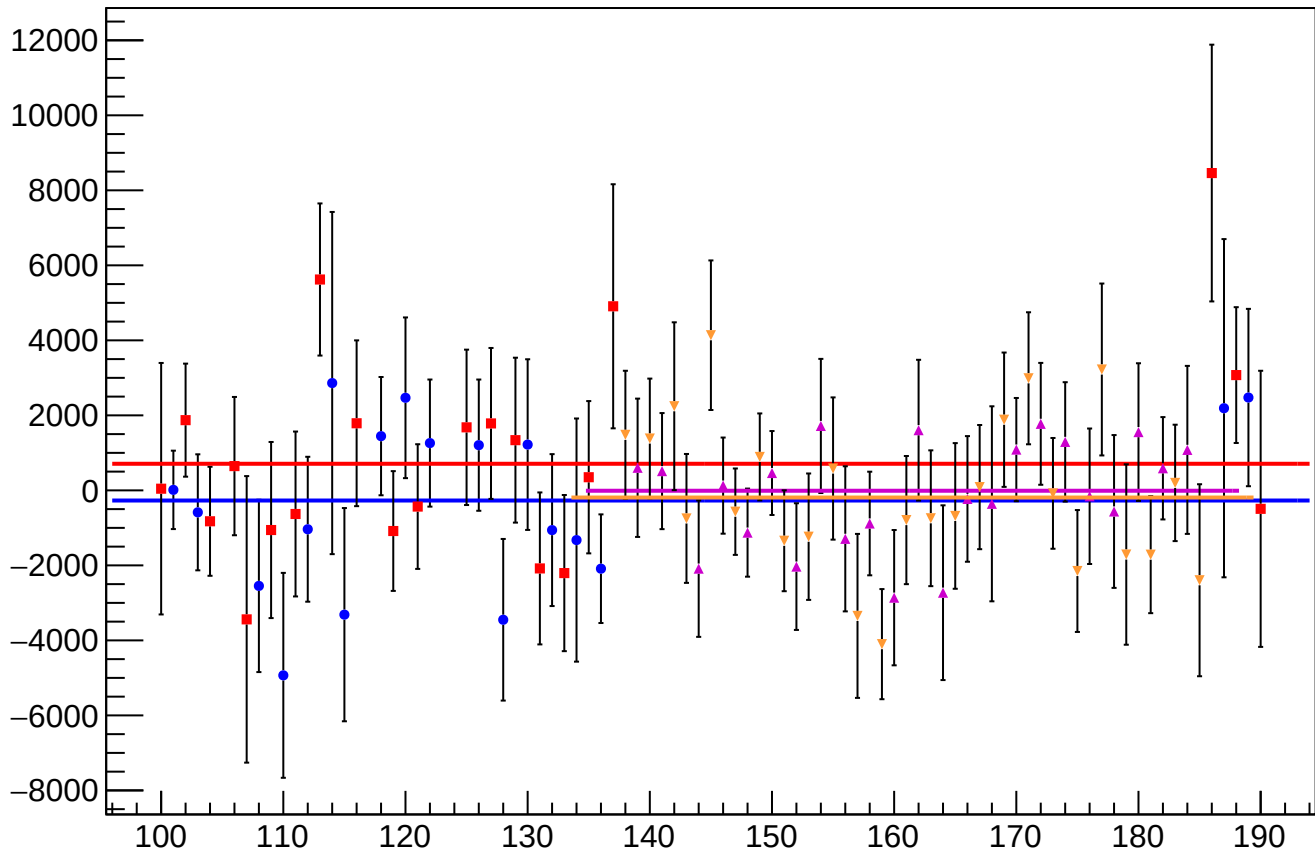
Left In: 789.185 ± 0.133 χ^2/NDF : 11343.2/22

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

All: 793.748 ± 0.078 χ^2/NDF : 706311.7/86

- sign 792.854 ± 0.110 χ^2/NDF : 31152.3/43

asym_us_avg_correction_mean vs Slug



Right In: -270.645+/-454.366 χ^2/NDF : 16.2/17

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

Right Out: 709.134+/-450.918 χ^2/NDF : 24.8/20

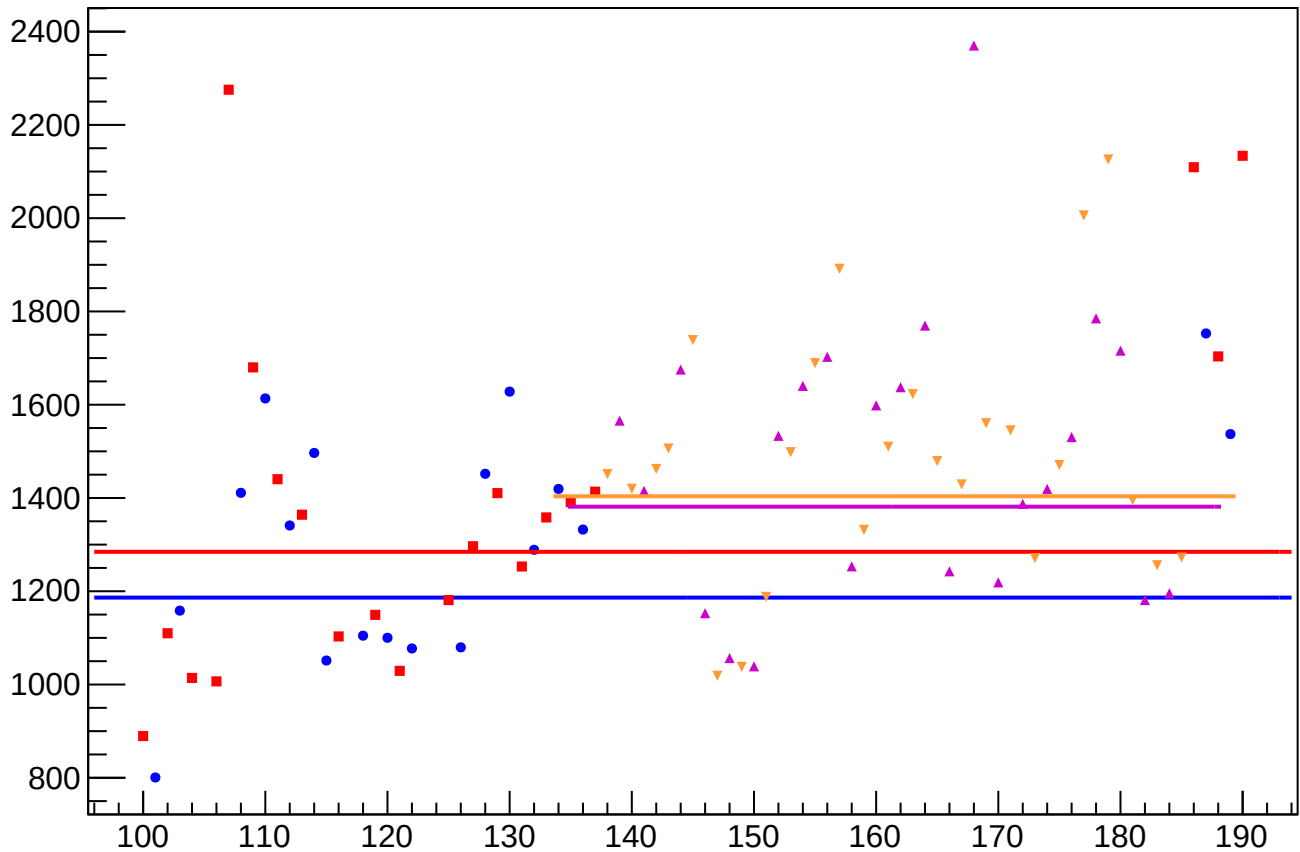
Left In: -10.093+/-337.810 χ^2/NDF : 14.2/22

+ sign -218.946+/-269.063 χ^2/NDF : 46.4/42

All: 13.635+/-190.712 χ^2/NDF : 88.5/86

- sign 248.458+/-270.357 χ^2/NDF : 40.6/43

asym_us_avg_correction_rms vs Slug



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

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

Right Out: 1284.566 $\pm$ 0.319 χ^2 /NDF: 801596.7/20

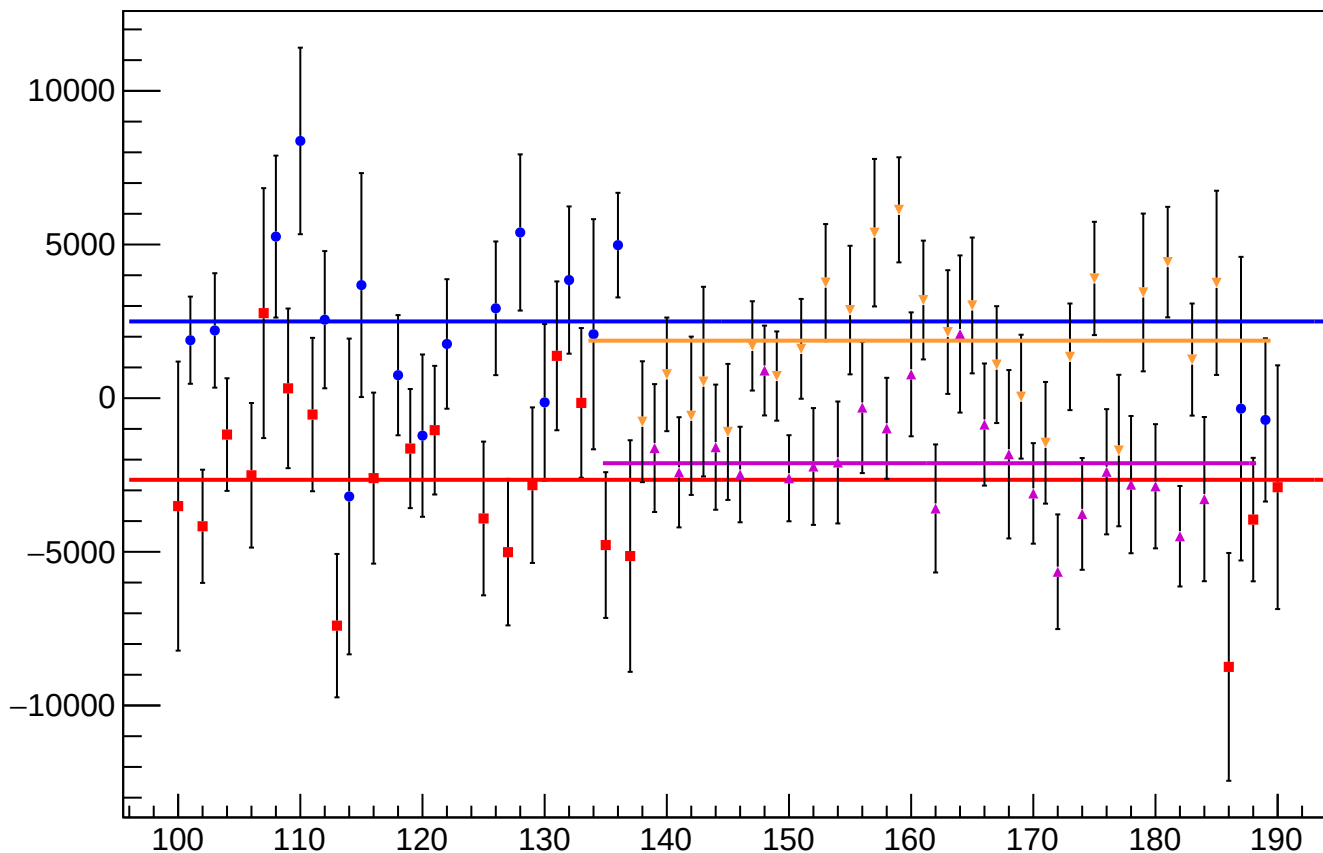
Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF: 1276488.2/22

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

All: 1336.957 $\pm$ 0.135 χ^2 /NDF: 4174337.2/80

- sign 1346.563 $\pm$ 0.191 χ^2 /NDF: 2137111.6/43

asym_us_avg_mean vs Slug



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: -2656.313 $\pm$ 537.725 χ^2/NDF : 19.6/20

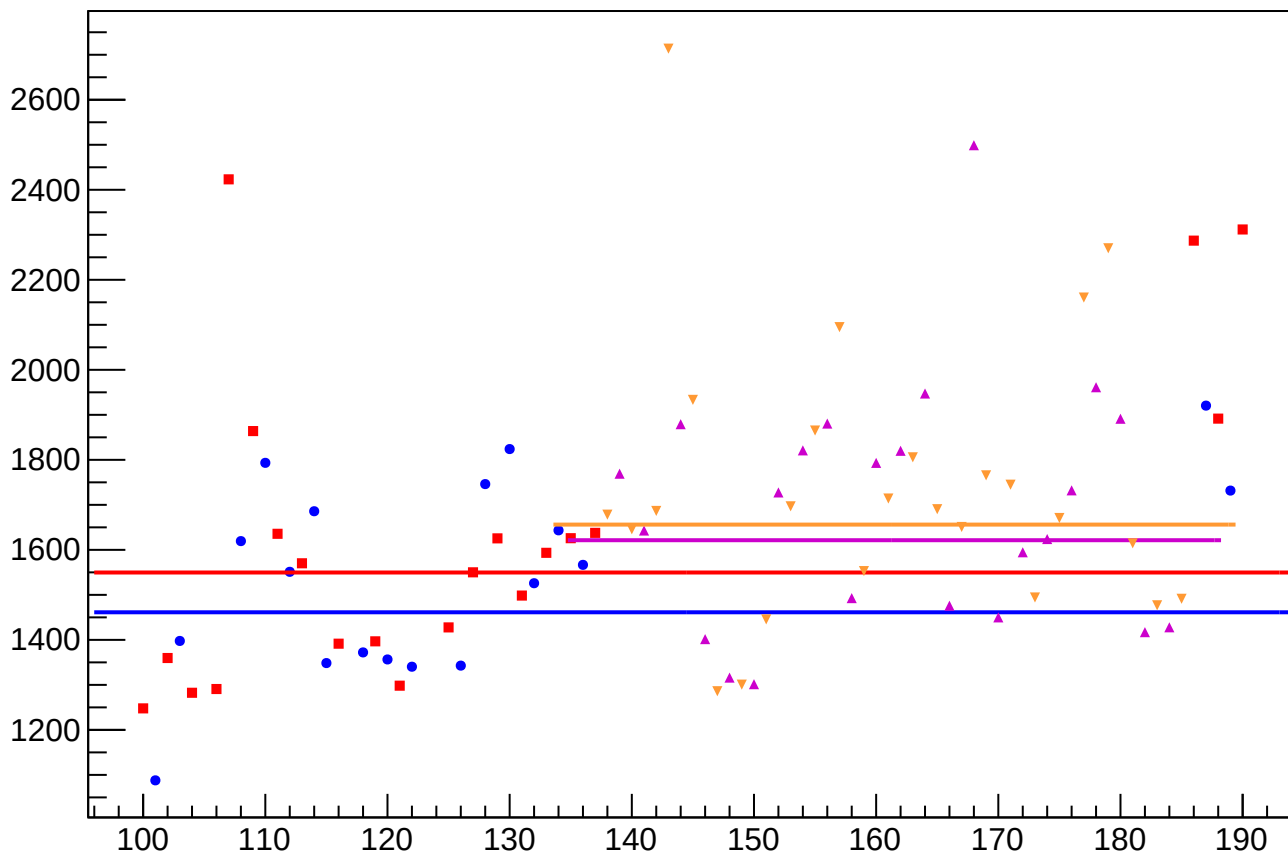
Left In: -2116.114 $\pm$ 392.997 χ^2/NDF : 18.8/22

+ sign 2080.914 $\pm$ 319.535 χ^2/NDF : 42.9/42

All: -127.104 $\pm$ 225.148 χ^2/NDF : 176.8/86

- sign -2304.195 $\pm$ 317.290 χ^2/NDF : 39.0/43

asym_us_avg_rms vs Slug



Right In: 1461.282 $\pm$ 0.391 χ^2 /NDF: 318412.3/17

Left Out: 1656.119 $\pm$ 0.277 χ^2 /NDF: 910573.4/24

Right Out: 1549.678 $\pm$ 0.380 χ^2 /NDF: 490316.5/20

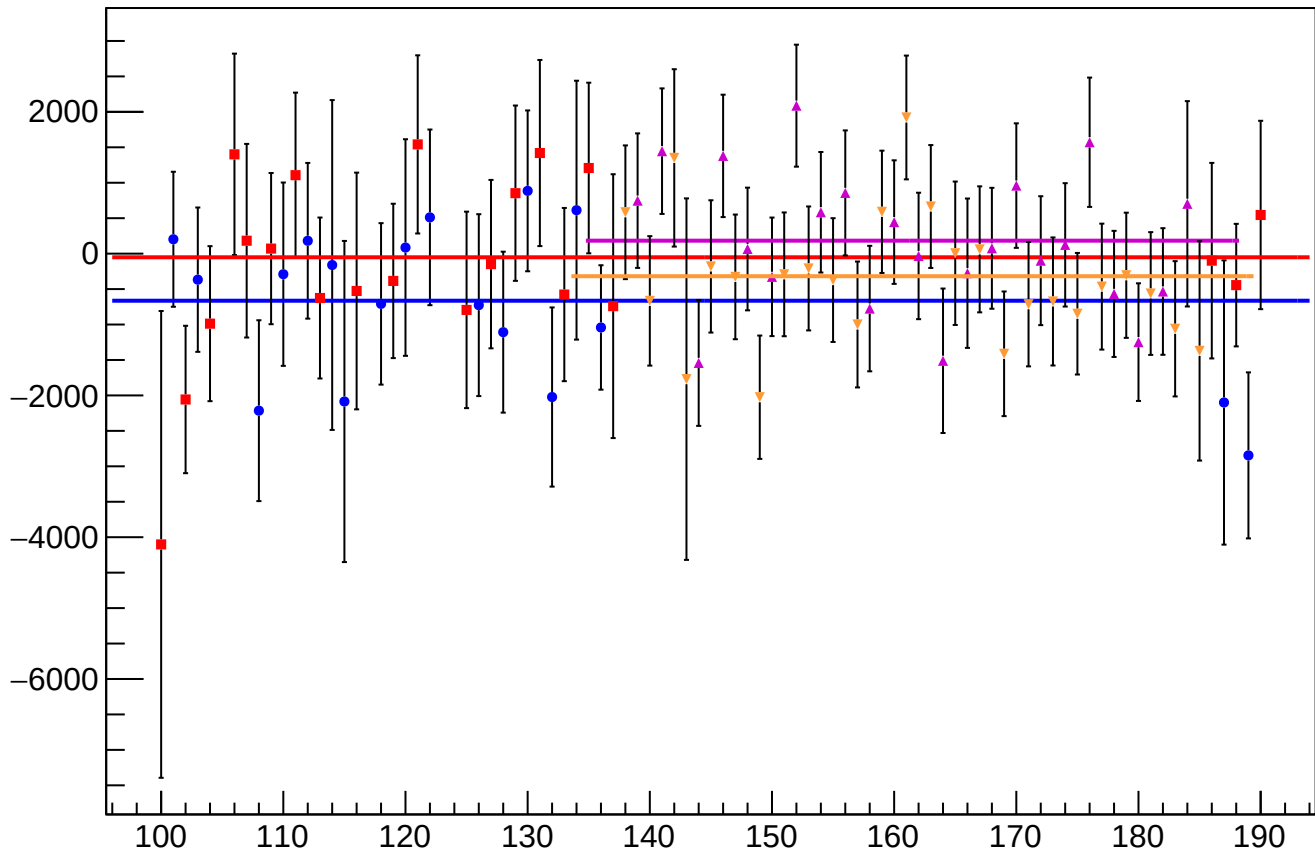
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1590.952 $\pm$ 0.226 χ^2 /NDF: 1394509.4/42

All: 1593.715 $\pm$ 0.159 χ^2 /NDF: 2683636.3/80

- sign 1596.440 $\pm$ 0.224 χ^2 /NDF: 1288829.9/43

reg_asym_us_dd_mean vs Slug



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: -51.402 ± 270.587 χ^2/NDF : 14.0/20

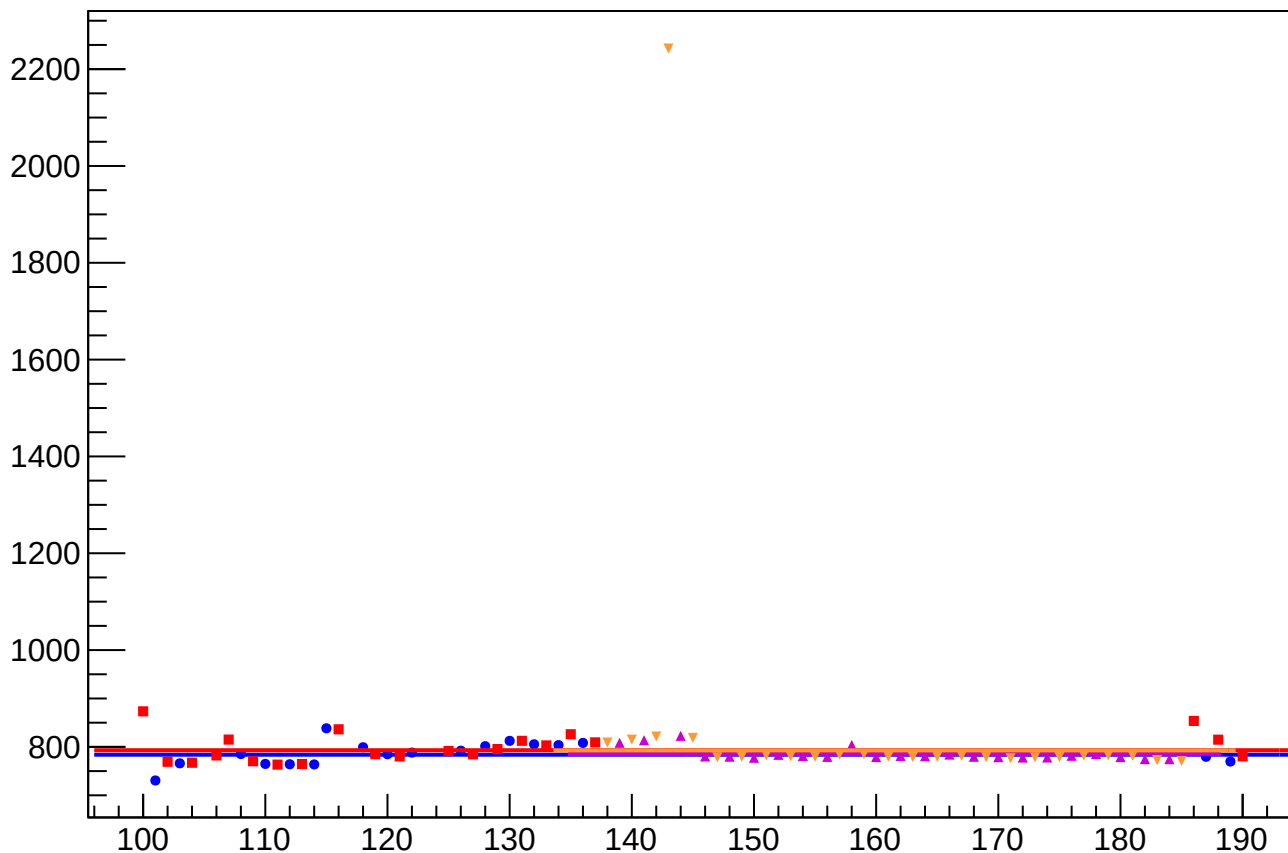
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -418.016 ± 156.948 χ^2/NDF : 33.8/42

All: -151.172 ± 110.028 χ^2/NDF : 80.2/86

- sign 106.715 ± 154.292 χ^2/NDF : 40.6/43

reg_asym_us_dd_rms vs Slug



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

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

Right Out: 793.175 $\pm$ 0.191 χ^2 /NDF: 16781.6/20

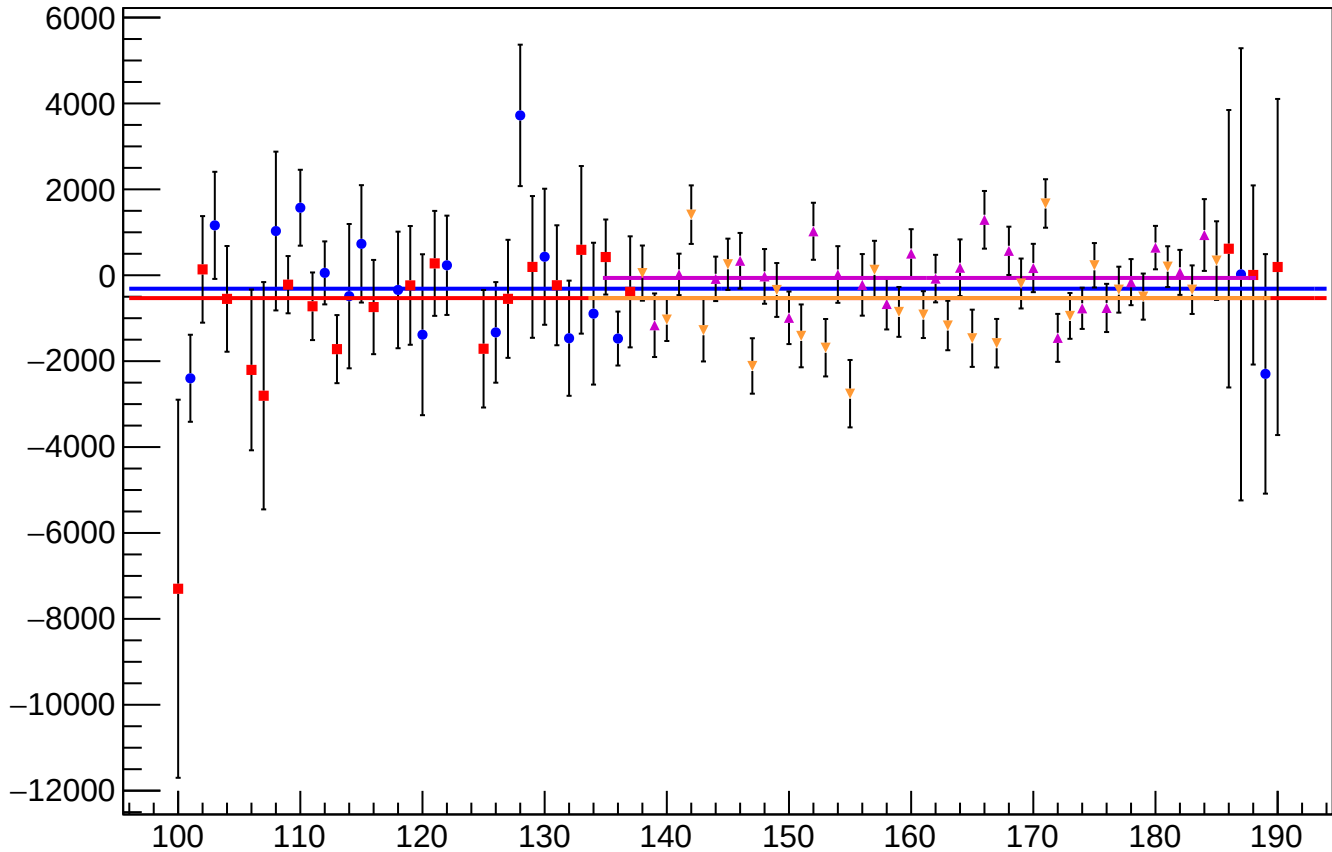
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

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

All: 789.119 $\pm$ 0.078 χ^2 /NDF: 702385.7/86

- sign 788.058 $\pm$ 0.109 χ^2 /NDF: 27215.4/43

asym_us_dd_correction_mean vs Slug



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

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

Right Out: -532.188 ± 269.414 χ^2/NDF : 10.0/20

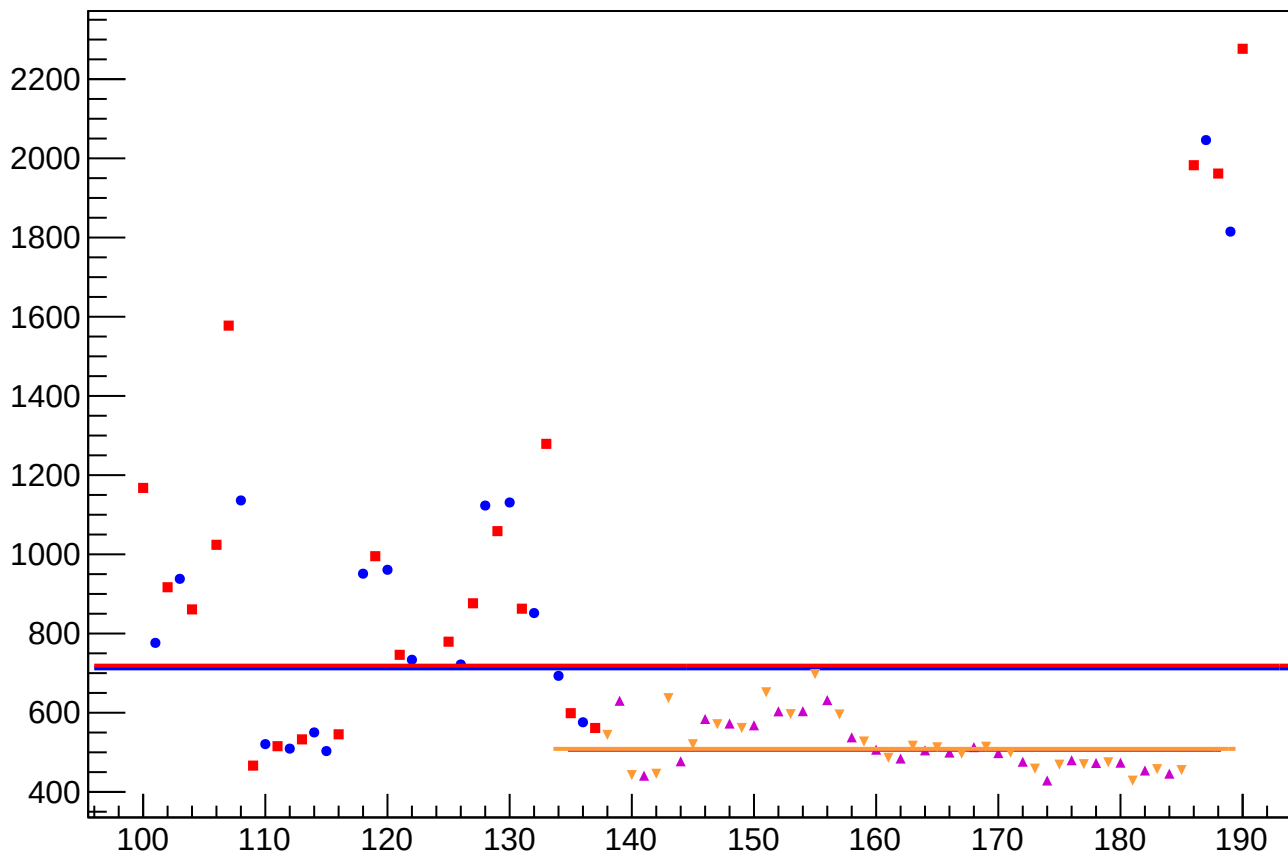
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

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

All: -321.655 ± 78.200 χ^2/NDF : 132.4/86

- sign -142.696 ± 111.171 χ^2/NDF : 41.3/43

asym_us_dd_correction_rms vs Slug



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

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

Right Out: 718.881+/-0.191 χ^2/NDF : 2725713.7/20

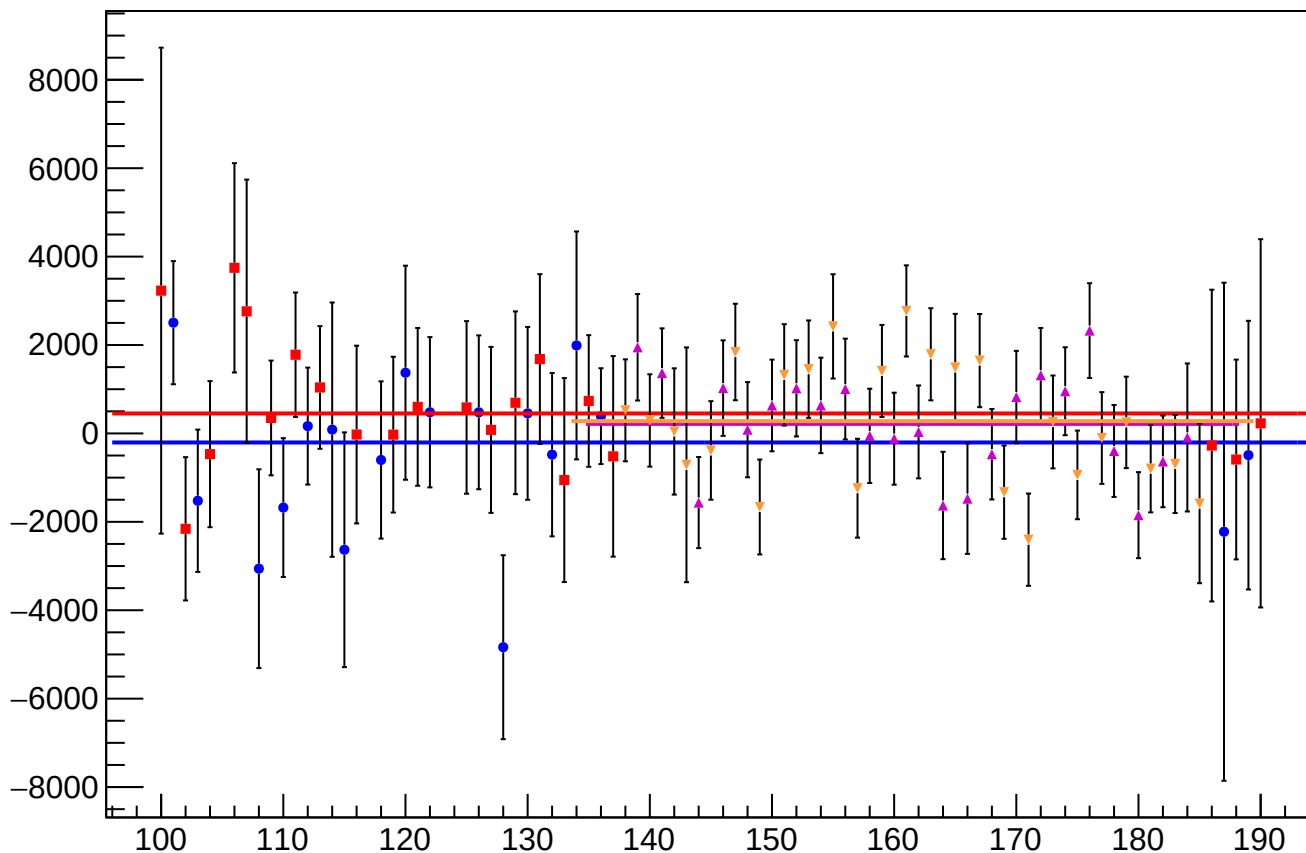
Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

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

All: 541.197+/-0.055 χ^2/NDF : 7039765.7/86

- sign 542.563+/-0.079 χ^2/NDF : 4194402.8/43

asym_us_dd_mean vs Slug



Right In: -204.703 ± 429.219 $\chi^2/\text{NDF}: 14.9/17$

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

Right Out: 451.868 ± 415.521 $\chi^2/\text{NDF}: 8.3/20$

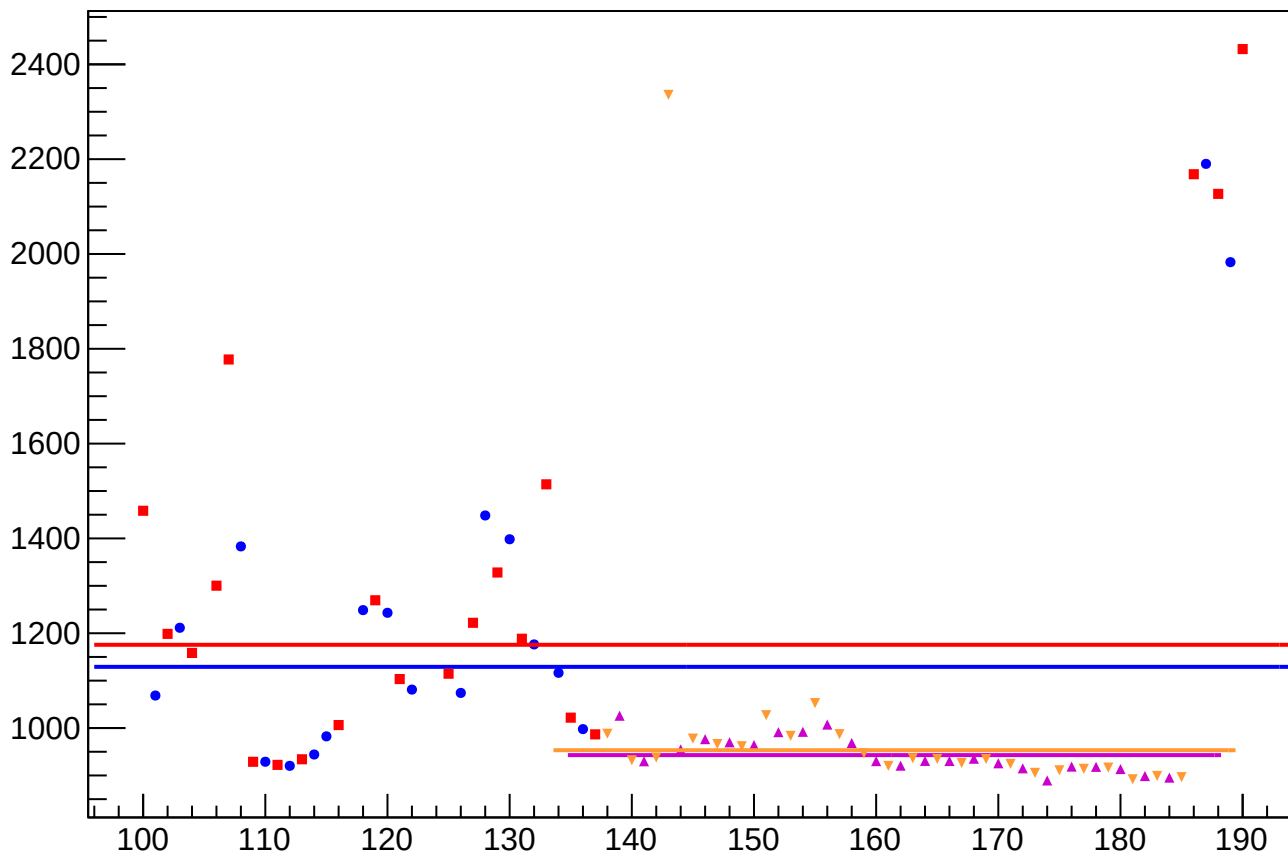
Left In: 216.121 ± 225.600 $\chi^2/\text{NDF}: 24.4/22$

+ sign 175.049 ± 198.291 $\chi^2/\text{NDF}: 54.3/42$

All: 222.428 ± 140.203 $\chi^2/\text{NDF}: 87.4/86$

- sign 269.793 ± 198.263 $\chi^2/\text{NDF}: 33.0/43$

asym_us_dd_rms vs Slug



Right In: 1129.116+/-0.304 χ^2/NDF : 492812.2/17

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

Right Out: 1175.617+/-0.294 χ^2/NDF : 1101288.9/20

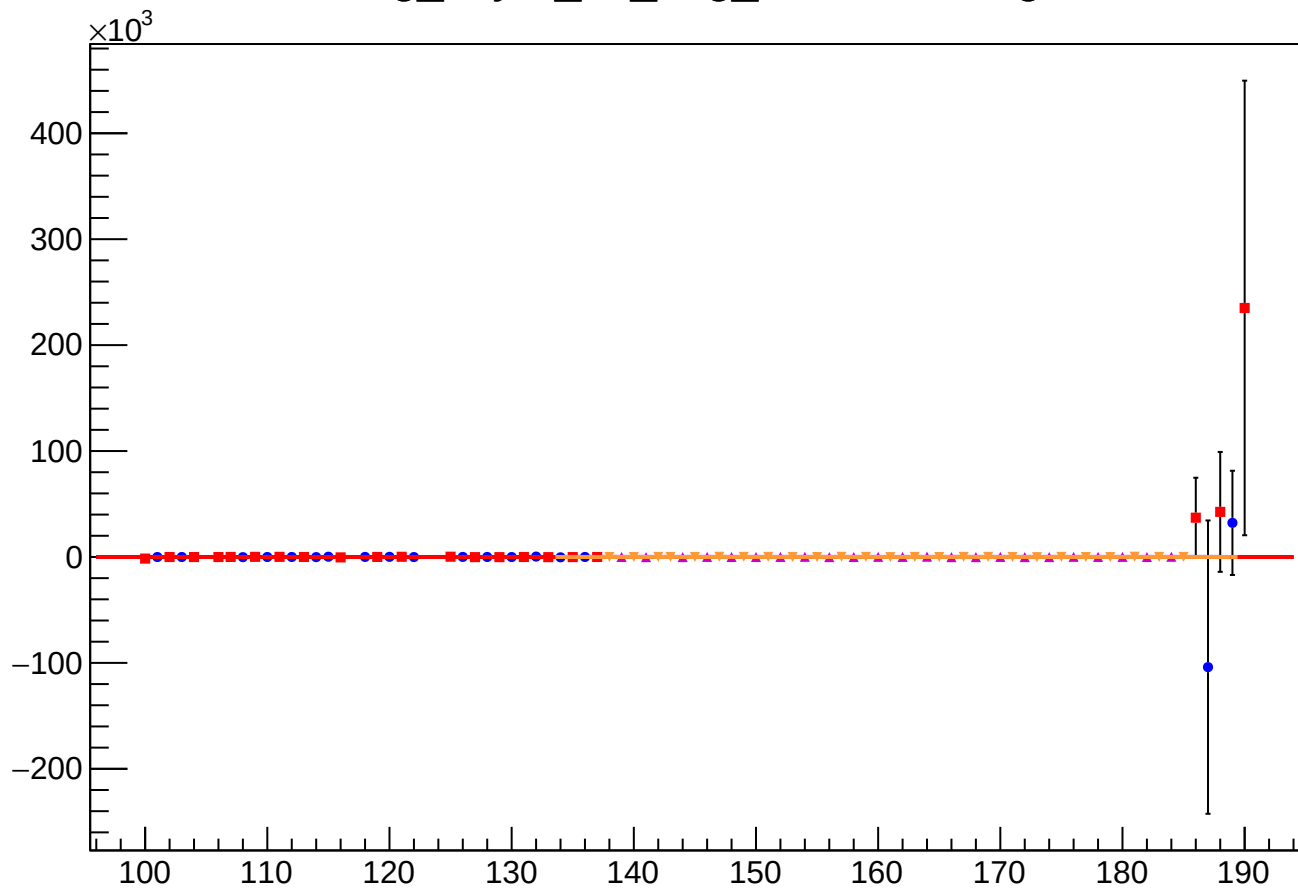
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 990.762+/-0.140 χ^2/NDF : 1363275.7/42

All: 993.332+/-0.099 χ^2/NDF : 2998044.4/86

- sign 995.902+/-0.140 χ^2/NDF : 1634096.5/43

reg_asym_ds_avg_mean vs Slug



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

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

Right Out: -31.713 ± 30.492 χ^2/NDF : 19.5/20

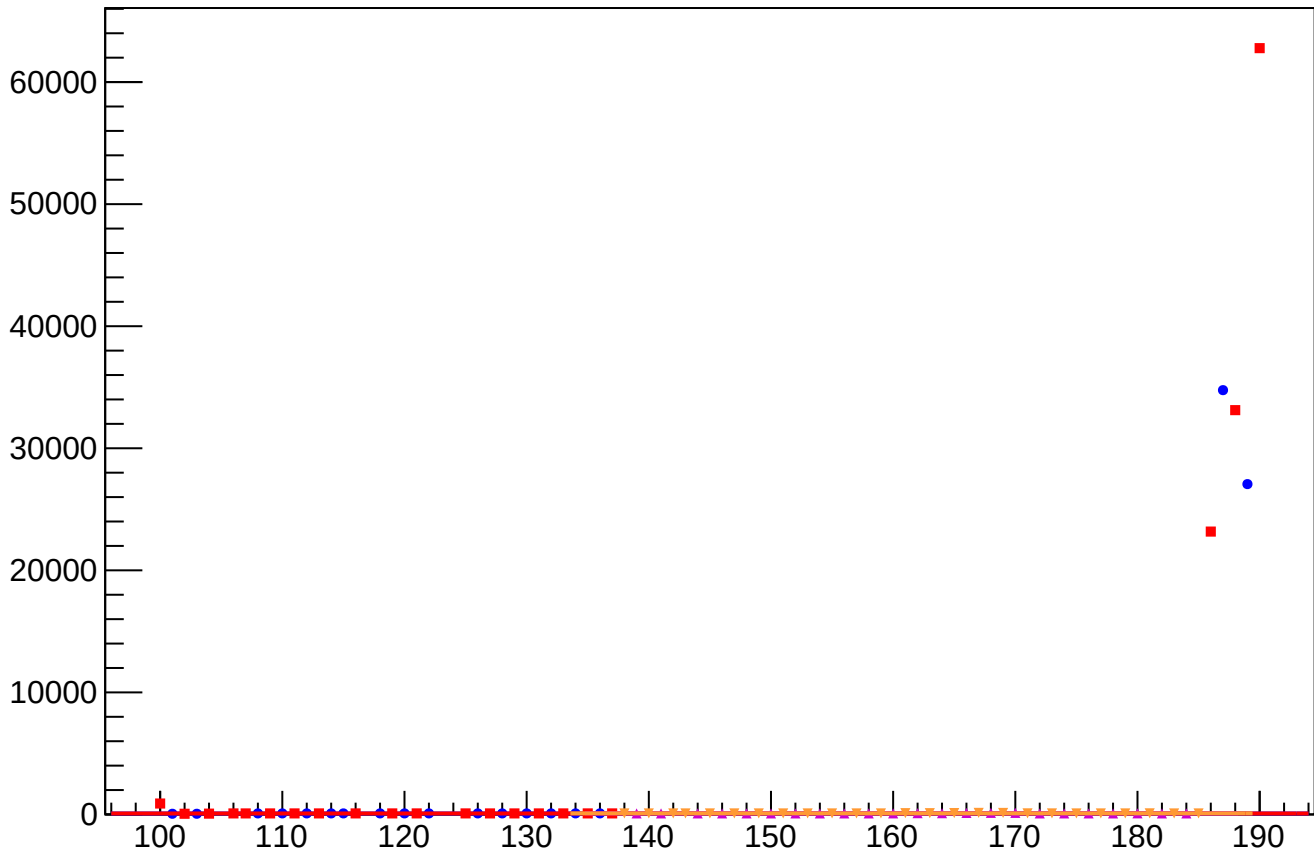
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

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

All: 1.249 ± 12.302 χ^2/NDF : 84.0/86

- sign 4.690 ± 17.617 χ^2/NDF : 44.2/43

reg_asym_ds_avg_rms vs Slug



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

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

Right Out: 79.397 $\pm$ 0.022 χ^2 /NDF: 2016978.3/20

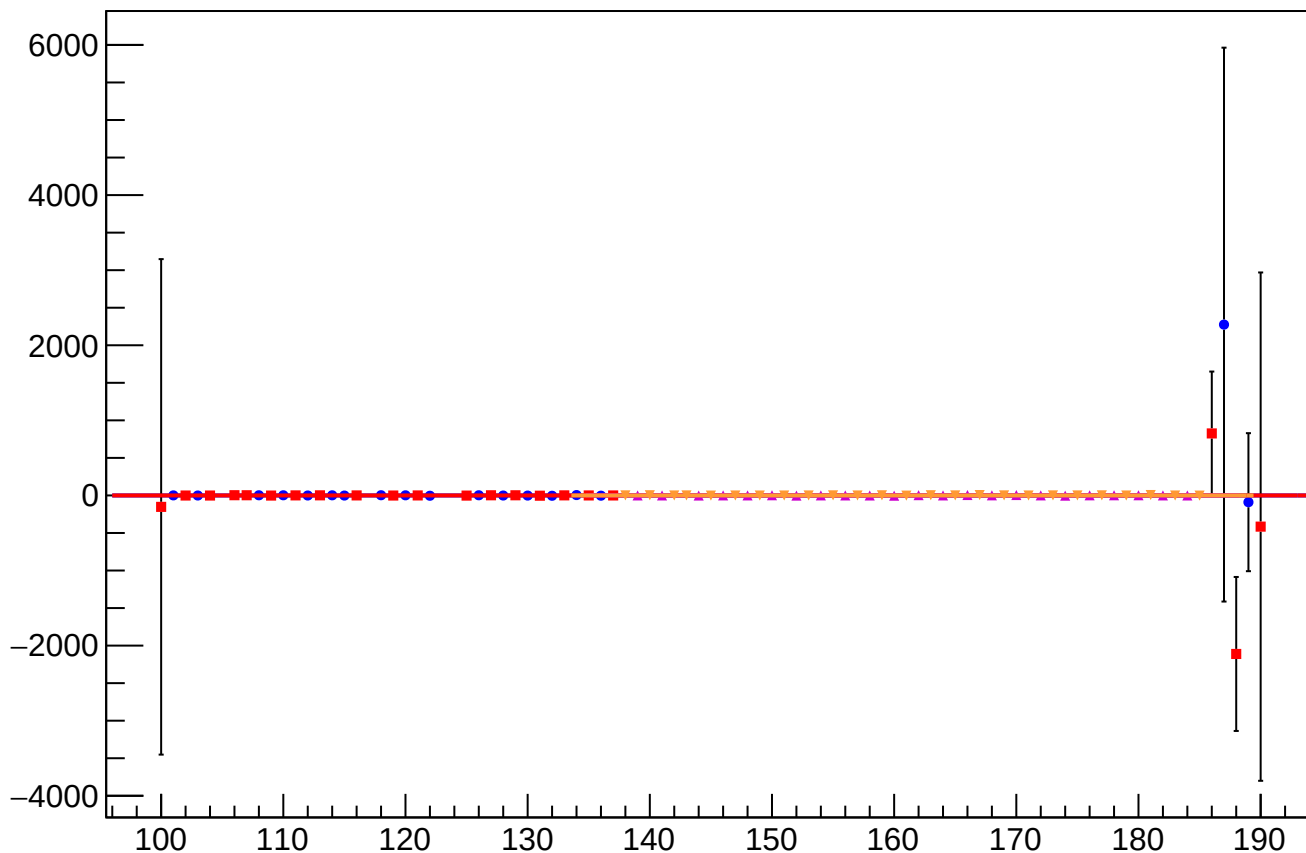
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

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

All: 85.626 $\pm$ 0.009 χ^2 /NDF: 4561995.6/86

- sign 86.191 $\pm$ 0.012 χ^2 /NDF: 2674536.2/43

asym_ds_avg_correction_mean vs Slug



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

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

Right Out: -0.039 ± 0.525 χ^2/NDF : 15.2/20

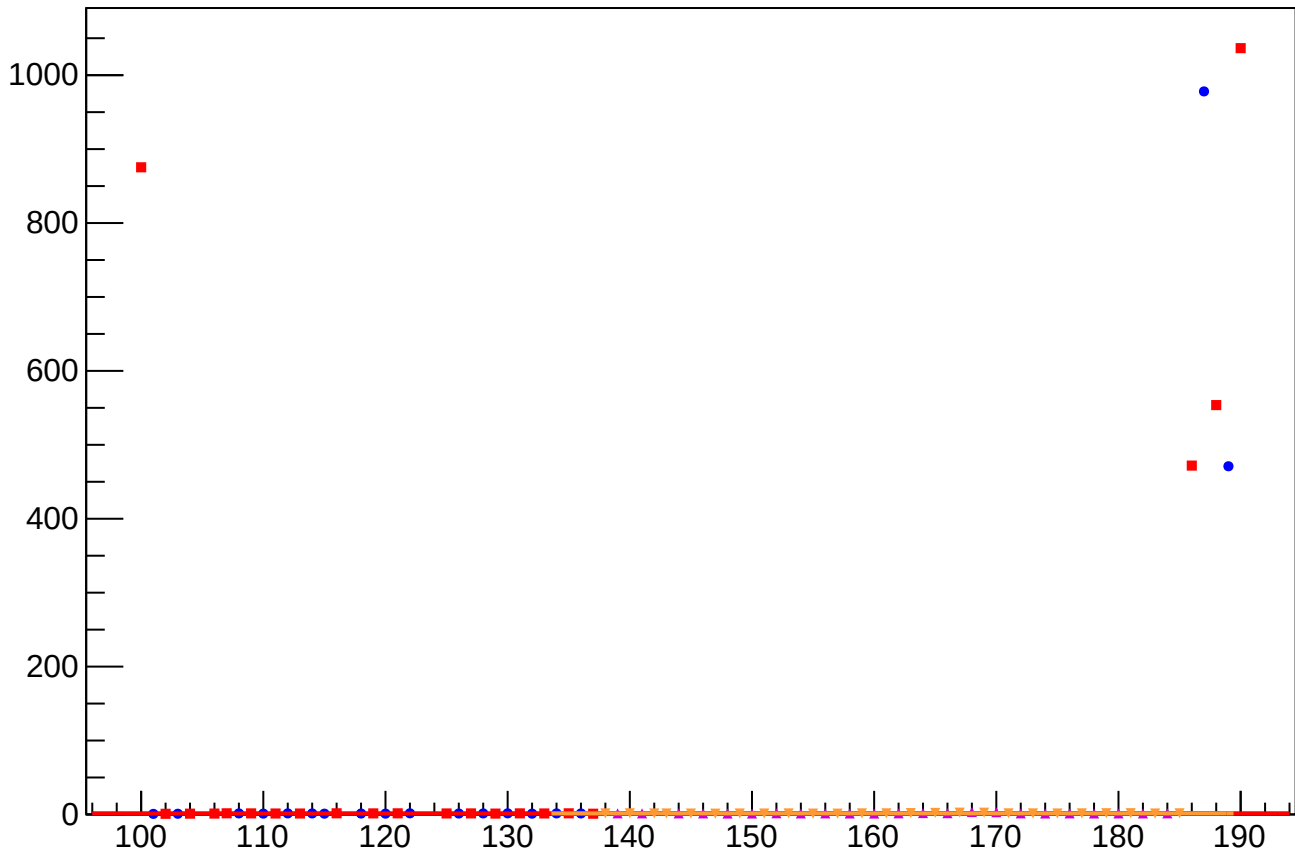
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

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

All: 0.146 ± 0.215 χ^2/NDF : 86.0/86

- sign 0.322 ± 0.312 χ^2/NDF : 42.3/43

asym_ds_avg_correction_rms vs Slug



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

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

Right Out: 1.259+/-0.000 χ^2/NDF : 1909469.8/20

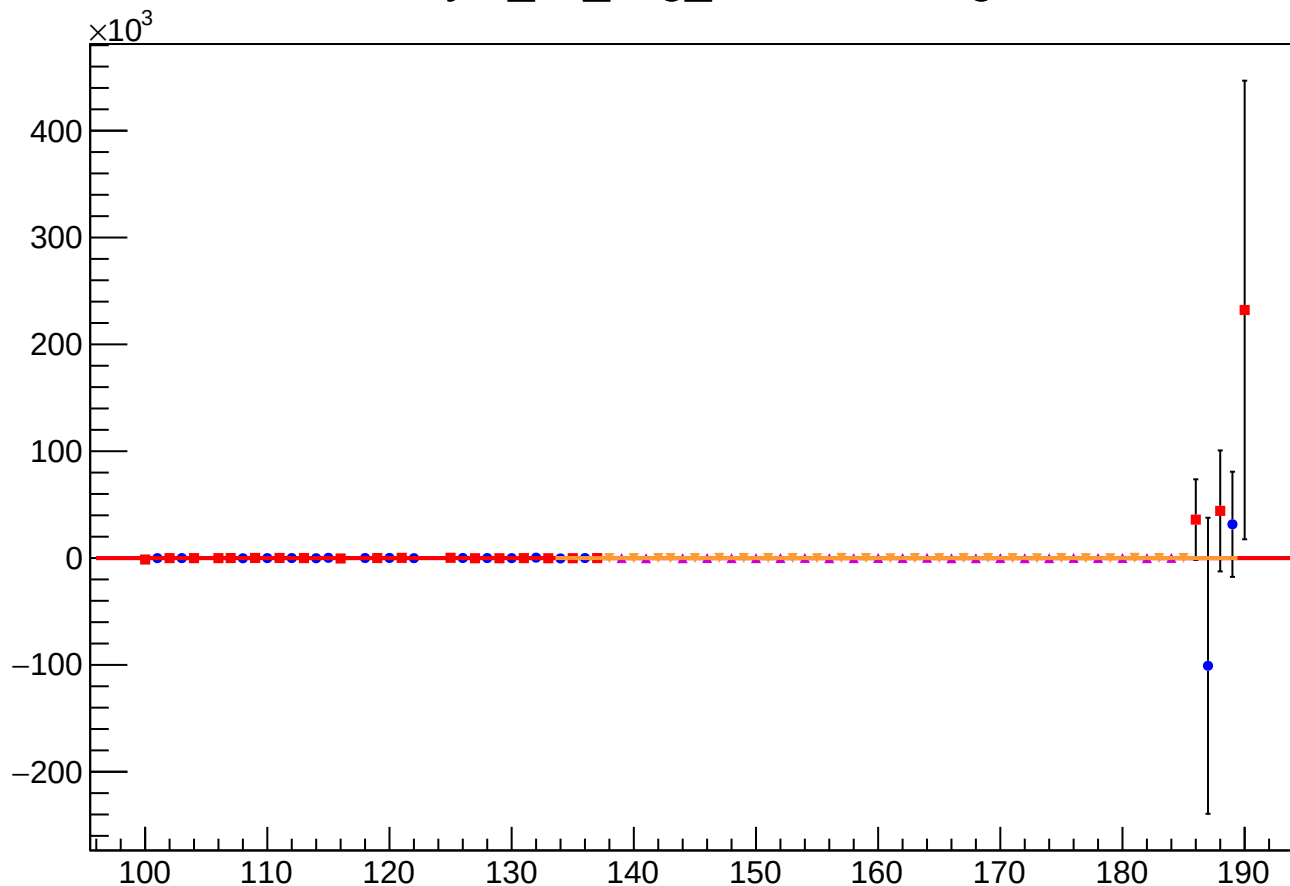
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

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

All: 1.349+/-0.000 χ^2/NDF : 5622951.2/86

- sign 1.385+/-0.000 χ^2/NDF : 3081872.1/43

asym_ds_avg_mean vs Slug



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

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

Right Out: -31.992 ± 30.500 χ^2/NDF : 19.5/20

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

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

All: 1.175 ± 12.306 χ^2/NDF : 83.6/86

- sign 4.272 ± 17.623 χ^2/NDF : 43.9/43

asym_ds_avg_rms vs Slug



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

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

Right Out: 79.401+/-0.022 χ^2/NDF : 2023508.4/20

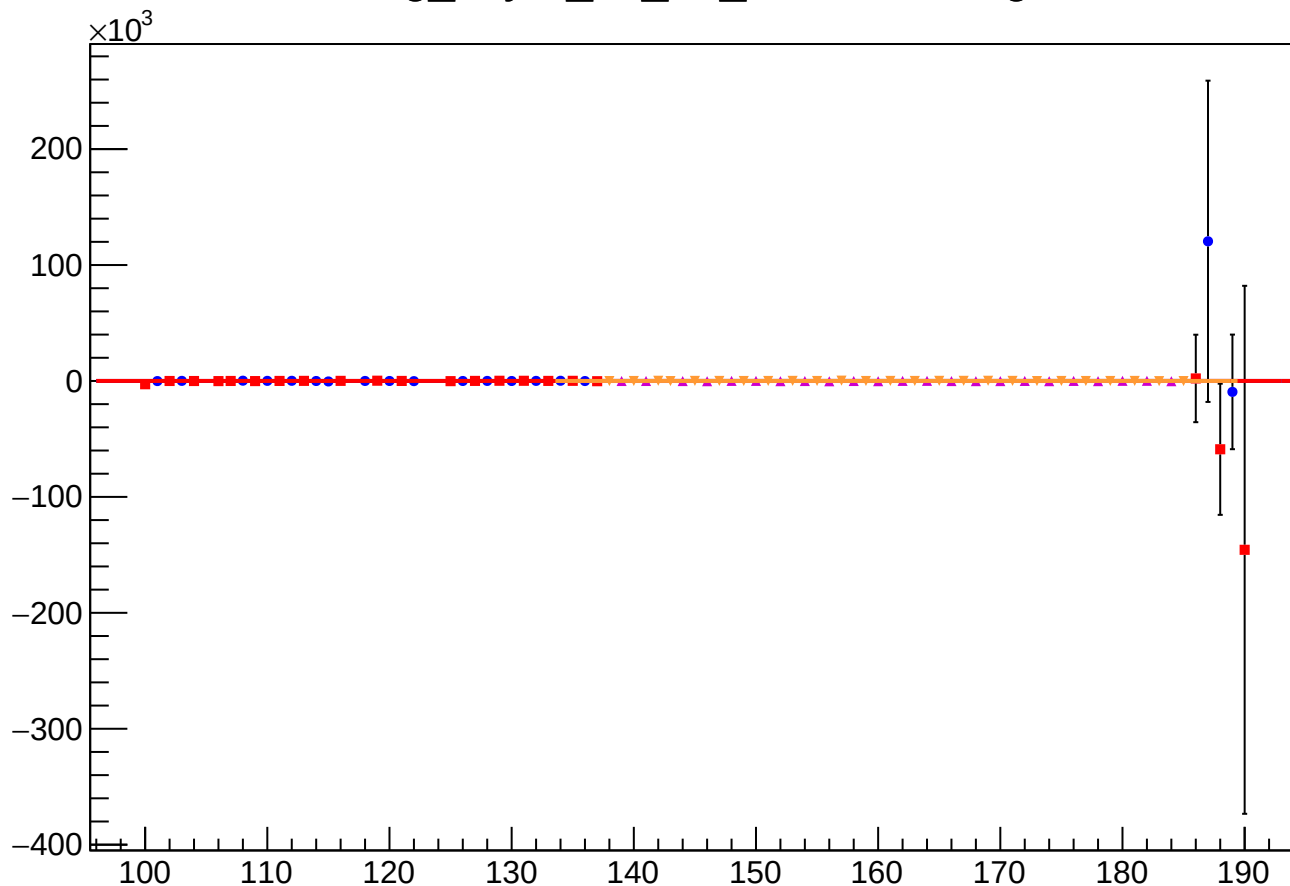
Left In: 89.622+/-0.015 χ^2/NDF : 509391.8/22

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

All: 85.648+/-0.009 χ^2/NDF : 4570849.5/86

- sign 86.210+/-0.012 χ^2/NDF : 2682540.7/43

reg_asym_ds_dd_mean vs Slug



Right In: 8.116 ± 30.012 χ^2/NDF : 14.8/17

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

Right Out: 25.756 ± 30.473 χ^2/NDF : 14.3/20

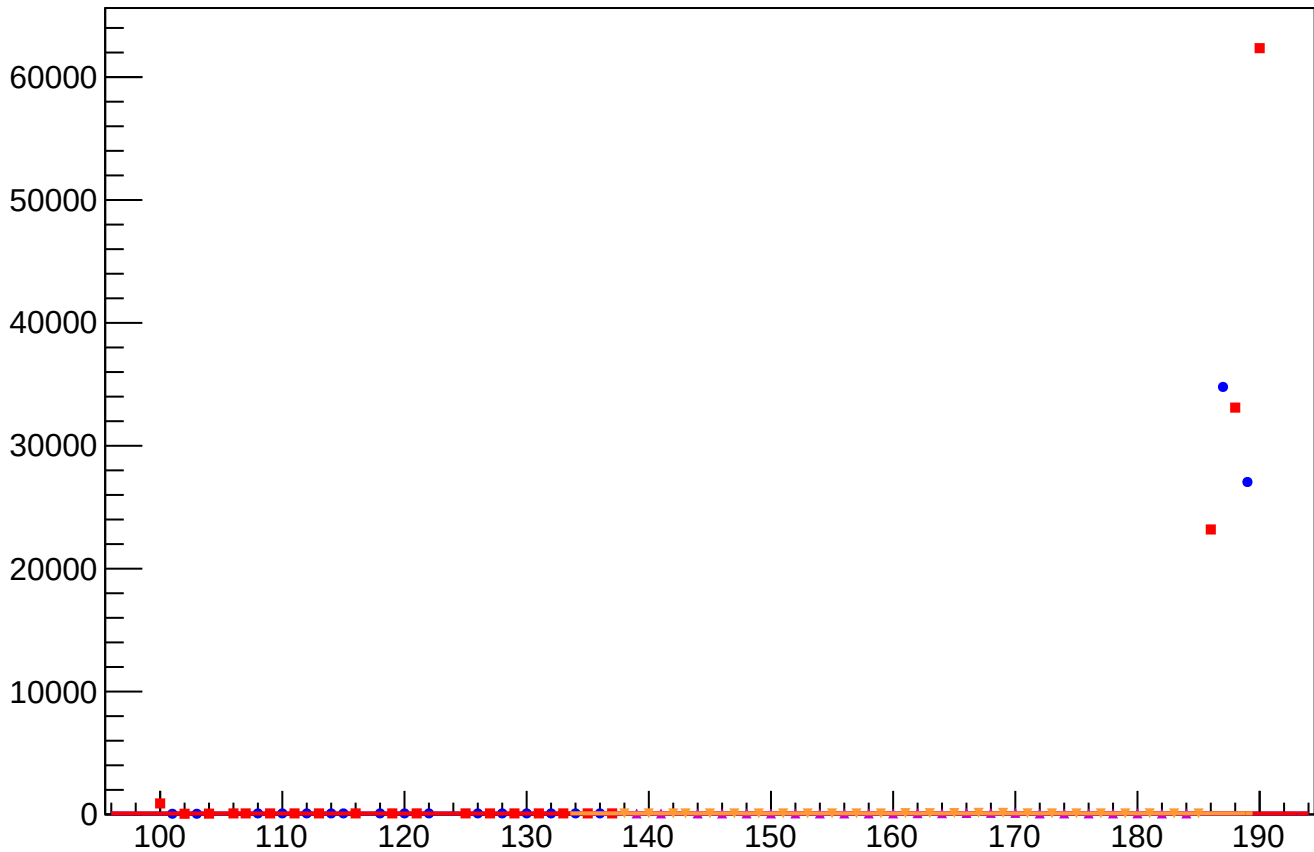
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 9.300 ± 17.187 χ^2/NDF : 33.3/42

All: -5.133 ± 12.303 χ^2/NDF : 83.9/86

- sign -20.299 ± 17.618 χ^2/NDF : 49.2/43

reg_asym_ds_dd_rms vs Slug



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: 79.349+/-0.022 χ^2/NDF : 2016282.7/20

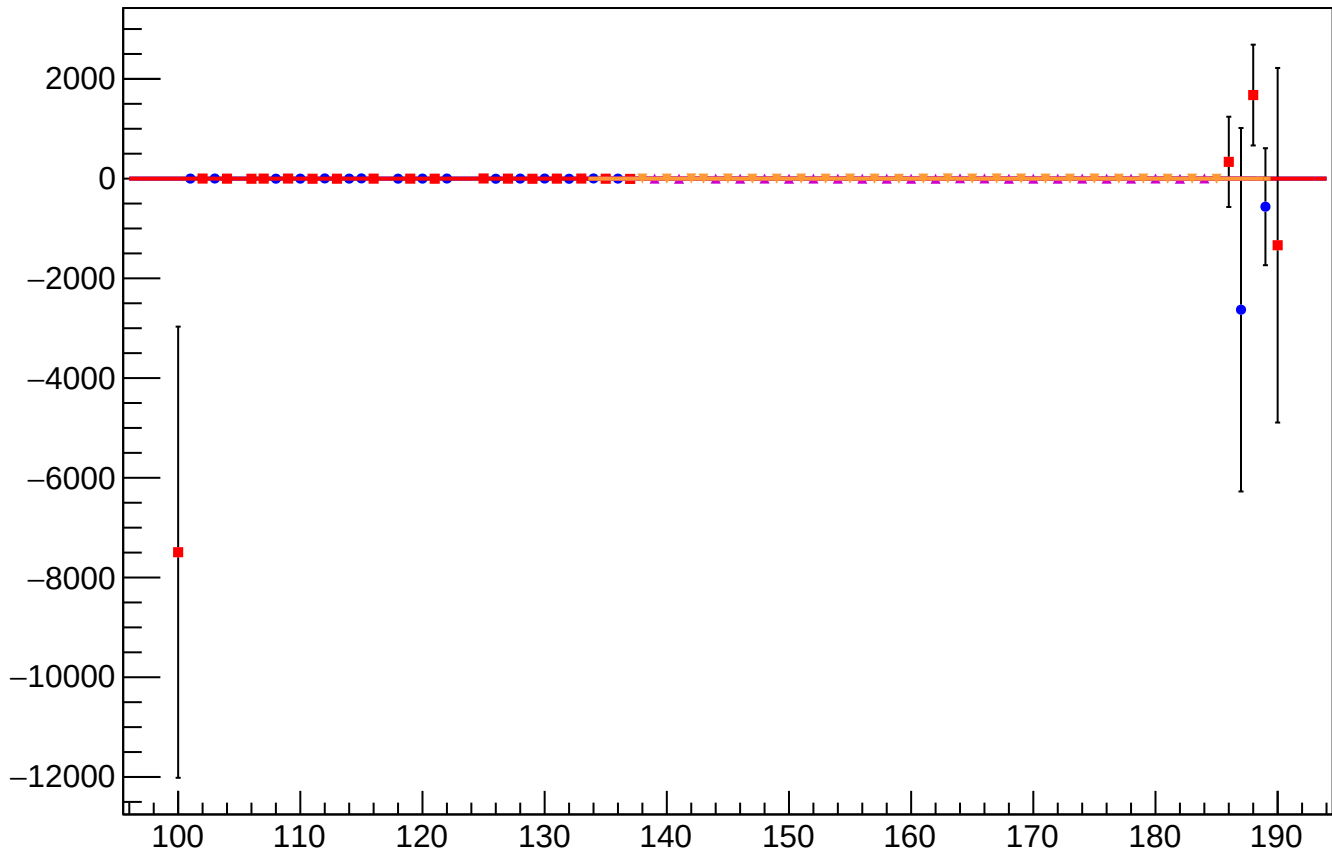
Left In: 89.628+/-0.015 χ^2/NDF : 511042.3/22

+ sign 85.083+/-0.012 χ^2/NDF : 1884966.1/42

All: 85.624+/-0.009 χ^2/NDF : 4567847.1/86

- sign 86.192+/-0.012 χ^2/NDF : 2678822.9/43

asym_ds_dd_correction_mean vs Slug



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

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

Right Out: -0.347 ± 0.549 χ^2/NDF : 16.5/20

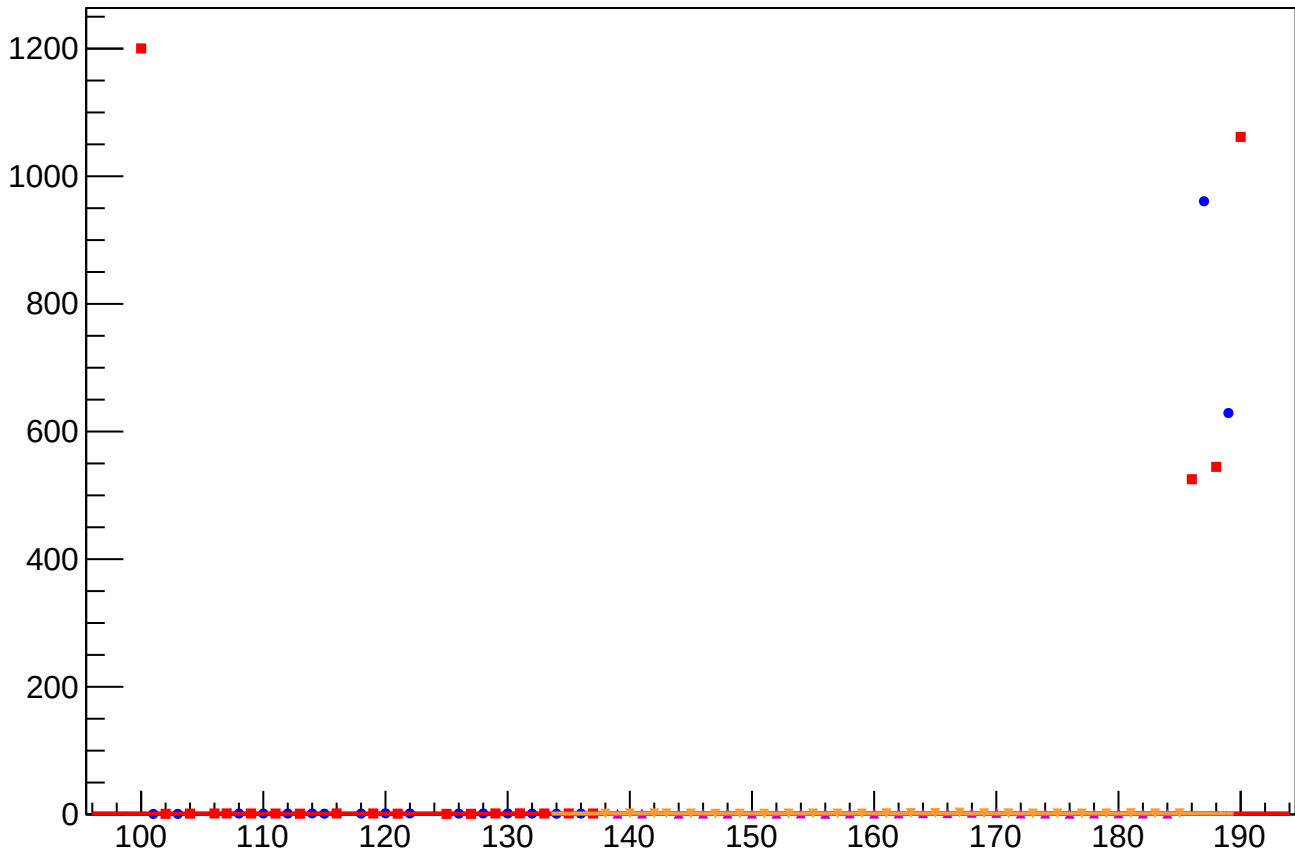
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

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

All: -0.052 ± 0.222 χ^2/NDF : 75.3/86

- sign -0.069 ± 0.318 χ^2/NDF : 37.2/43

asym_ds_dd_correction_rms vs Slug



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

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

Right Out: 1.316+/-0.000 χ^2/NDF : 1943402.4/20

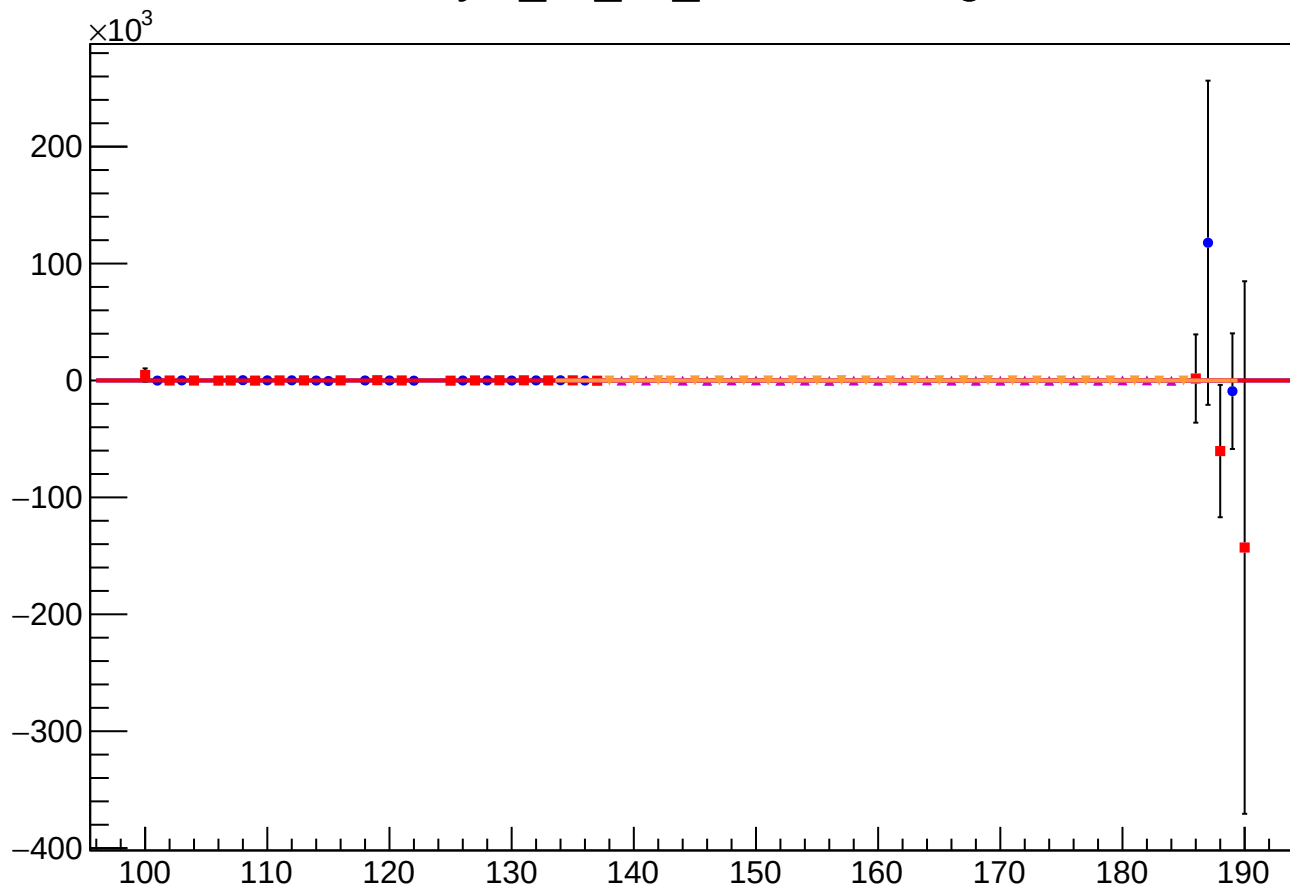
Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

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

All: 1.401+/-0.000 χ^2/NDF : 5849833.6/86

- sign 1.412+/-0.000 χ^2/NDF : 3085153.0/43

asym_ds_dd_mean vs Slug



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

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

Right Out: 26.365 ± 30.482 $\chi^2/NDF: 14.5/20$

Left In: -43.905 ± 21.600 $\chi^2/NDF: 31.1/22$

+ sign 9.434 ± 17.192 $\chi^2/NDF: 33.1/42$

All: -5.120 ± 12.306 $\chi^2/NDF: 83.7/86$

- sign -20.415 ± 17.624 $\chi^2/NDF: 49.2/43$

asym_ds_dd_rms vs Slug



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

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

Right Out: 79.345+/-0.022 χ^2/NDF : 2025531.9/20

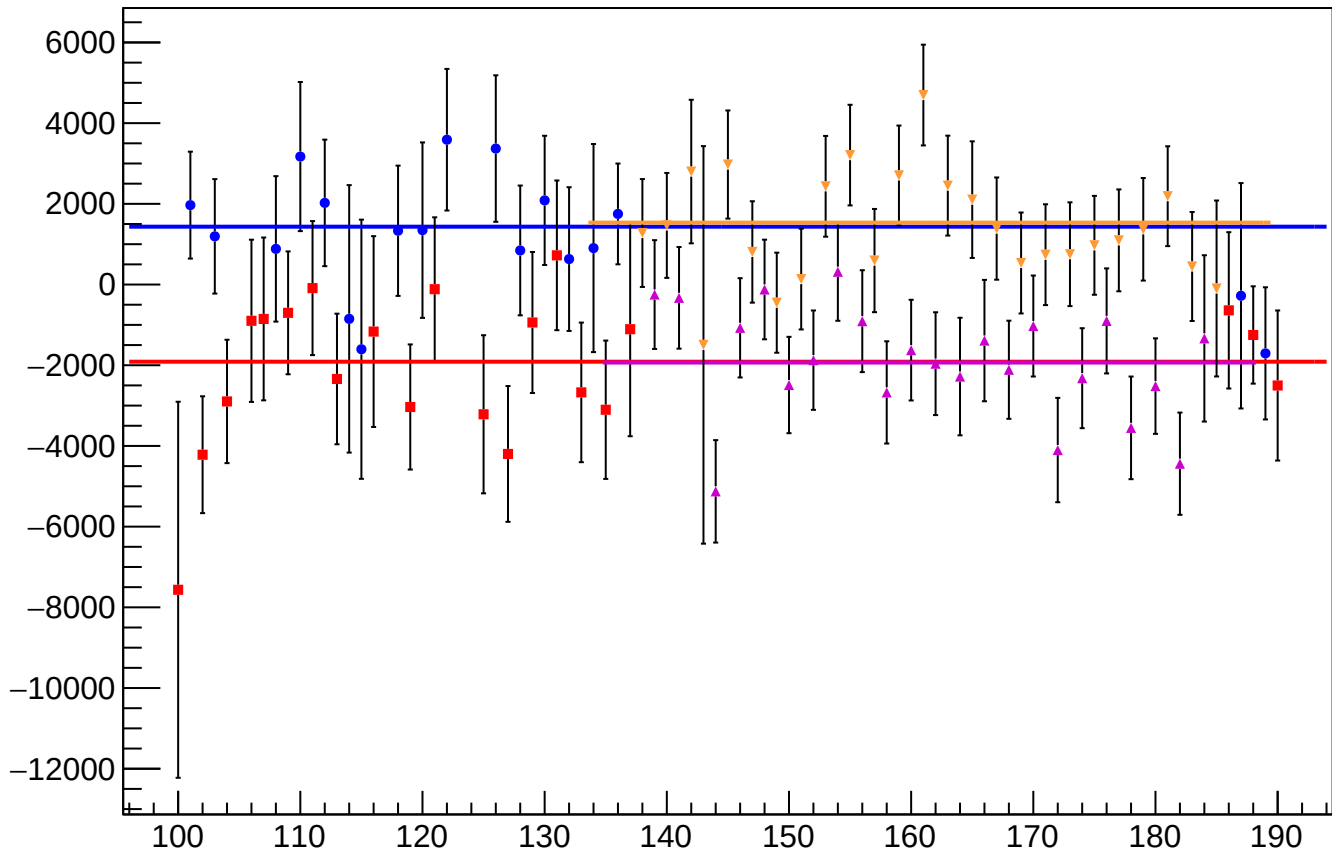
Left In: 89.655+/-0.015 χ^2/NDF : 511848.9/22

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

All: 85.644+/-0.009 χ^2/NDF : 4579559.2/86

- sign 86.208+/-0.012 χ^2/NDF : 2689677.1/43

reg_asym_usl_mean vs Slug



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: -1912.310+/-382.908 χ^2/NDF : 14.7/20

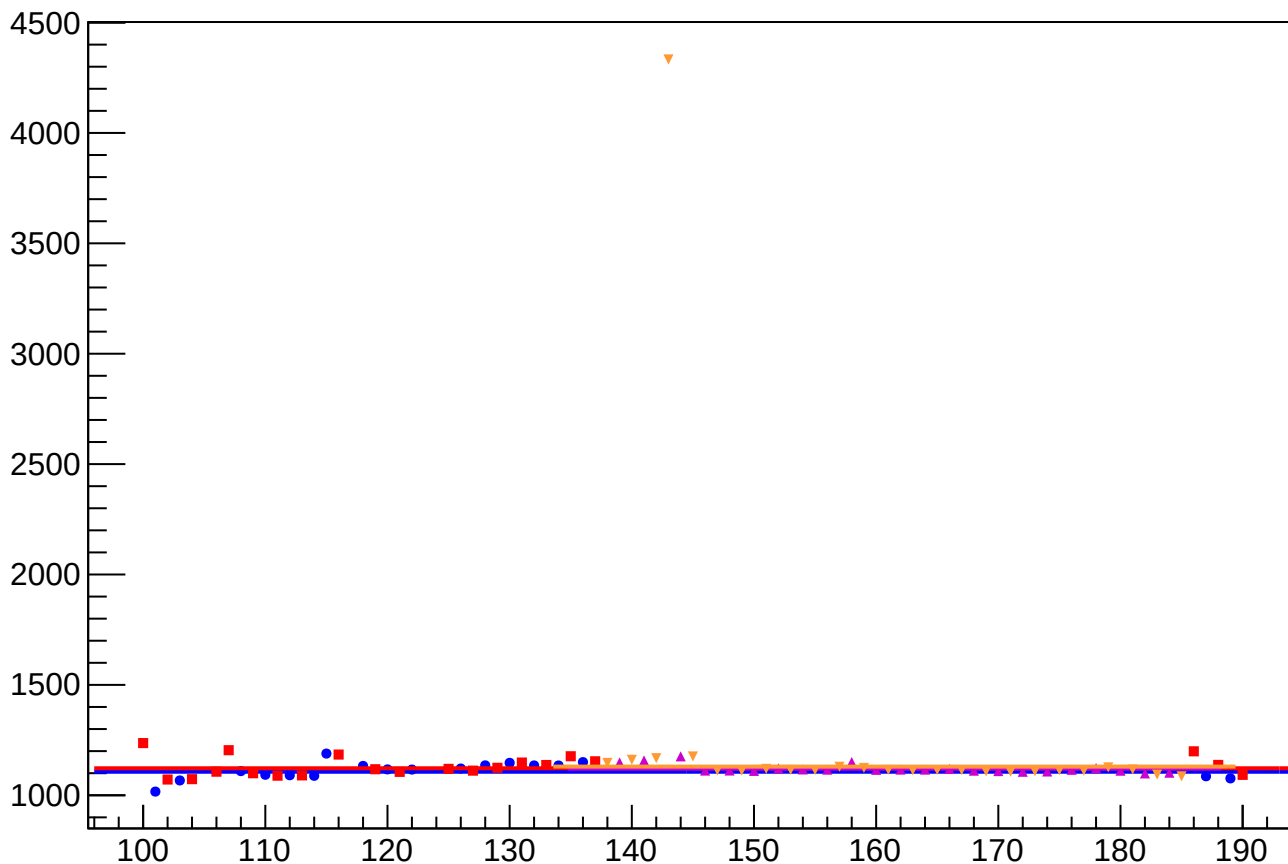
Left In: -1933.000+/-268.006 χ^2/NDF : 27.0/22

+ sign 1505.522+/-223.518 χ^2/NDF : 30.4/42

All: -240.933+/-156.636 χ^2/NDF : 192.1/86

- sign -1926.197+/-219.567 χ^2/NDF : 41.7/43

reg_asym_usl_rms vs Slug



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

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

Right Out: 1122.330+/-0.271 χ^2/NDF : 19667.2/20

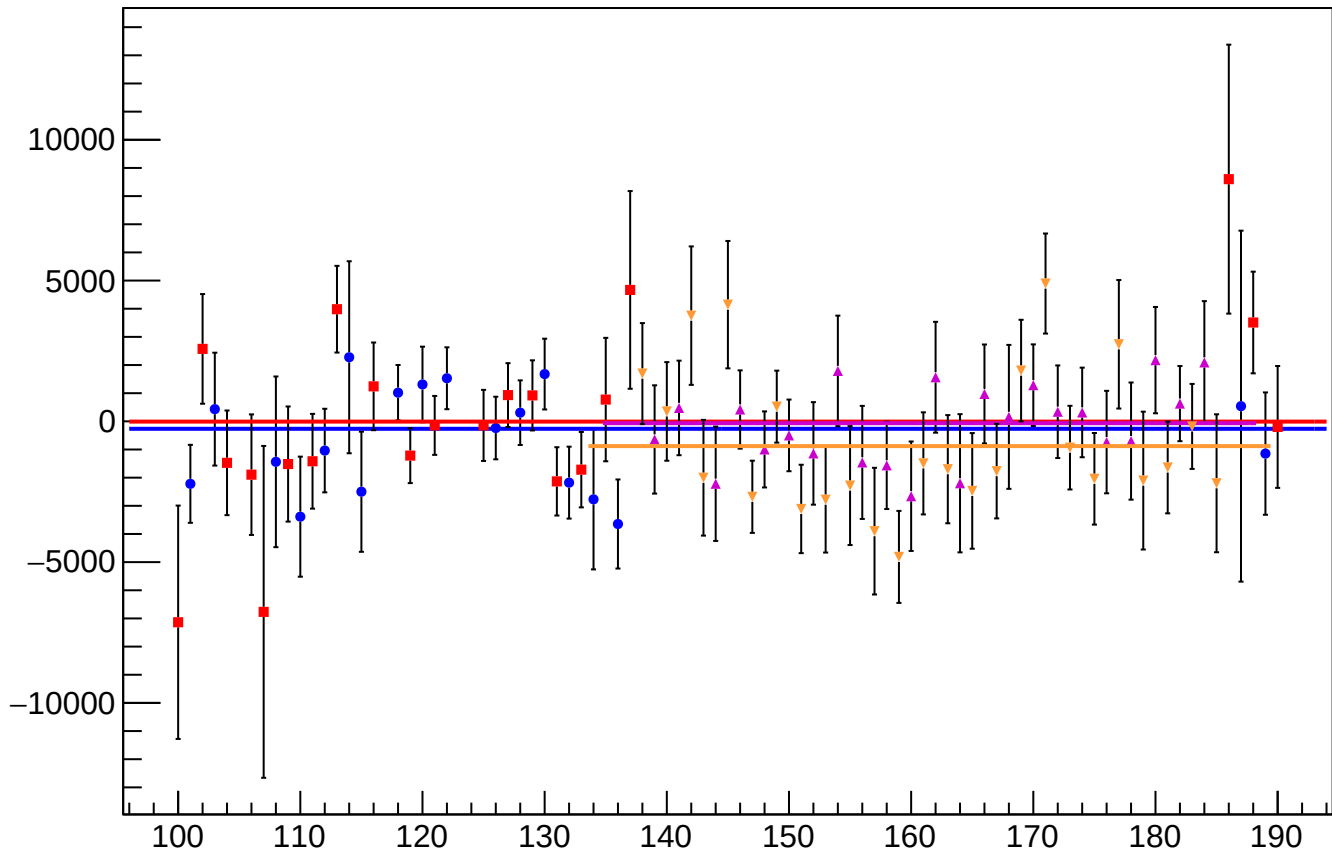
Left In: 1120.991+/-0.190 χ^2/NDF : 9641.8/22

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

All: 1122.238+/-0.111 χ^2/NDF : 911233.5/86

- sign 1121.431+/-0.155 χ^2/NDF : 29325.4/43

asym_usl_correction_mean vs Slug



Right In: -264.656 ± 356.003 $\chi^2/\text{NDF}: 22.7/17$

Left Out: -879.685 ± 355.692 $\chi^2/\text{NDF}: 43.5/24$

Right Out: -8.702 ± 345.321 $\chi^2/\text{NDF}: 32.5/20$

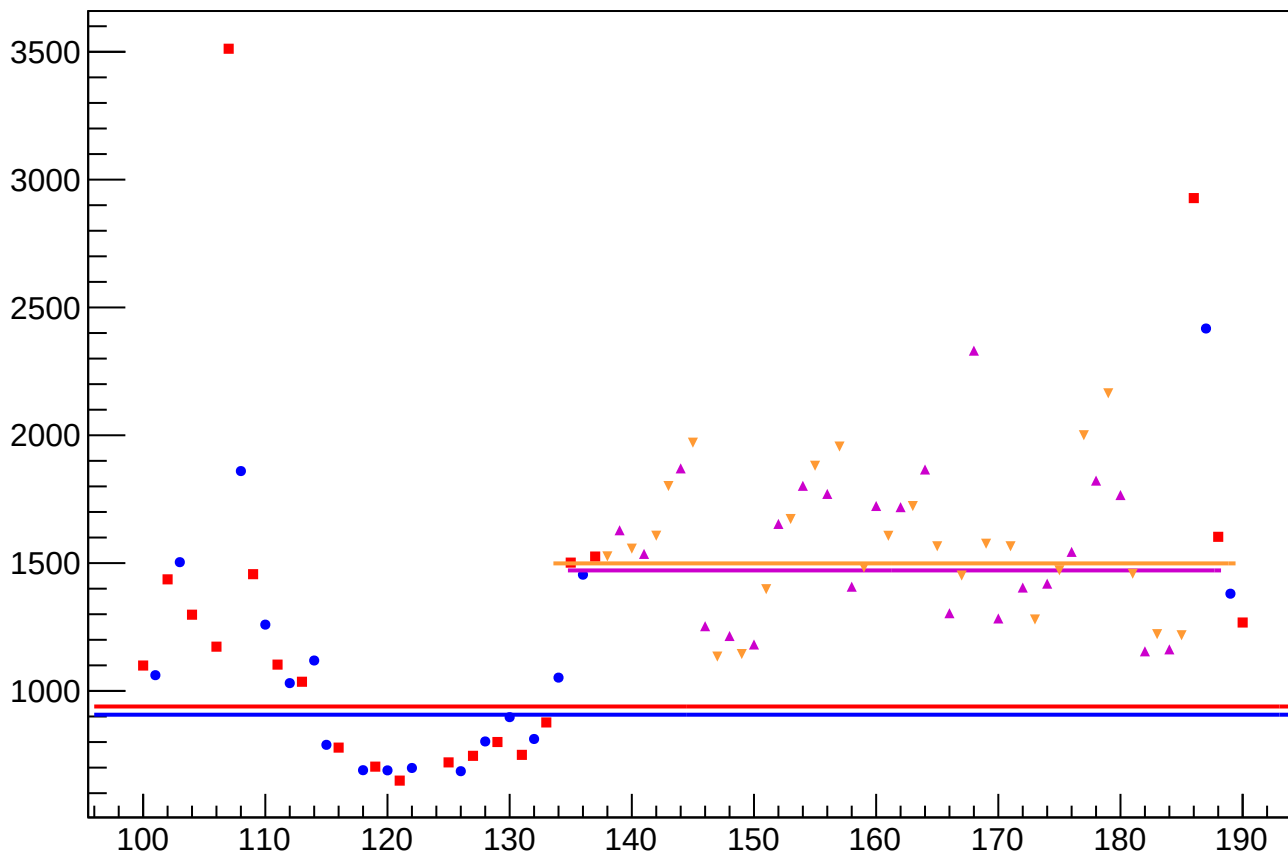
Left In: -65.738 ± 358.785 $\chi^2/\text{NDF}: 12.1/22$

+ sign -572.440 ± 251.622 $\chi^2/\text{NDF}: 67.8/42$

All: -301.263 ± 176.918 $\chi^2/\text{NDF}: 114.7/86$

- sign -36.130 ± 248.803 $\chi^2/\text{NDF}: 44.6/43$

asym_usl_correction_rms vs Slug



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

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

Right Out: 939.116+/-0.244 χ^2/NDF : 2105553.7/20

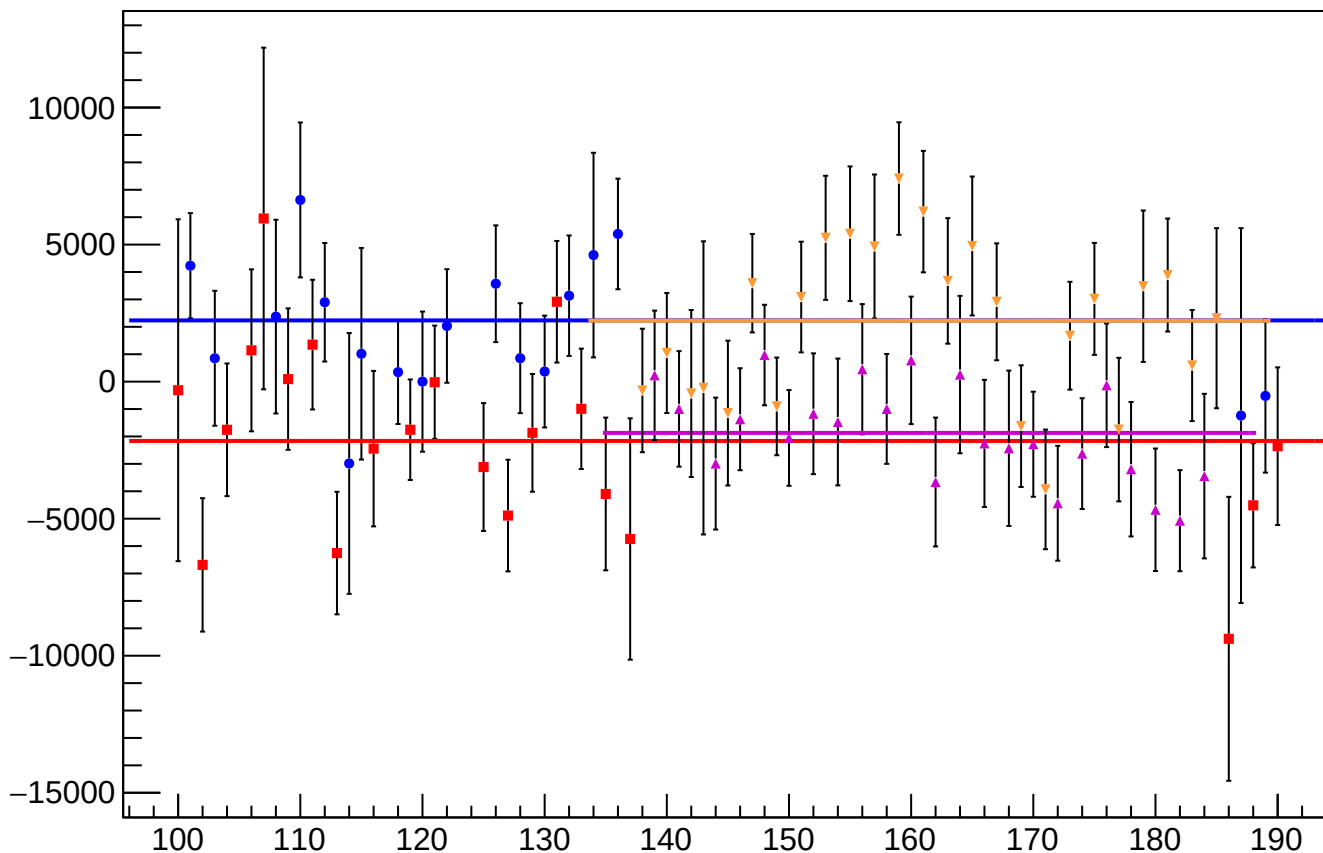
Left In: 1471.394+/-0.254 χ^2/NDF :1105310.5/22

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

All: 1199.083+/-0.125 χ^2/NDF : 10587351.1/8

- sign 1195.079+/-0.176 χ^2/NDF : 5495946.7/43

asym_usl_mean vs Slug



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

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

Right Out: -2163.513 $\pm$ 552.535 χ^2 /NDF: 25.6/20

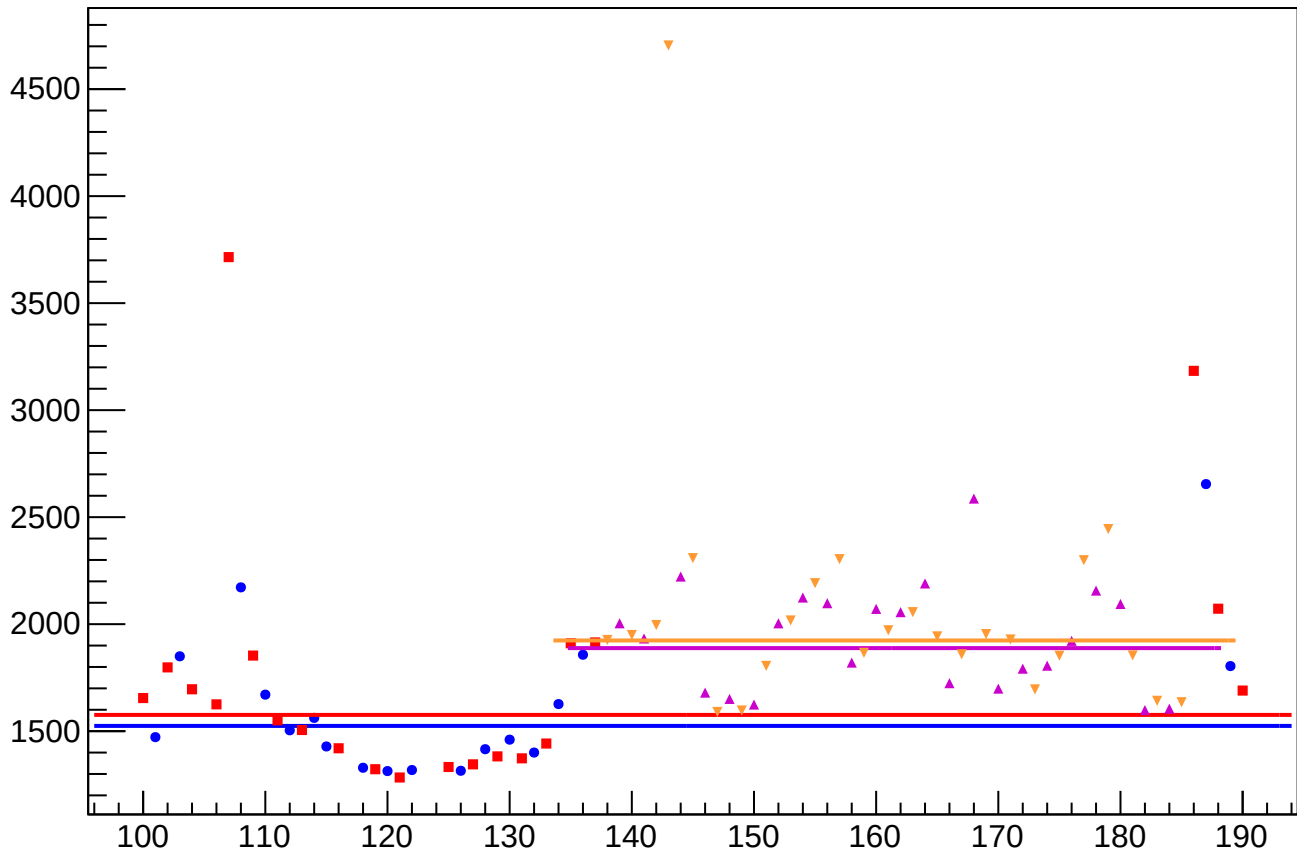
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

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

All: 87.750 $\pm$ 250.429 χ^2 /NDF: 163.3/86

- sign -1988.627 $\pm$ 351.451 χ^2 /NDF: 40.7/43

asym_usl_rms vs Slug



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

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

Right Out: 1575.985+/-0.391 χ^2/NDF : 788063.5/20

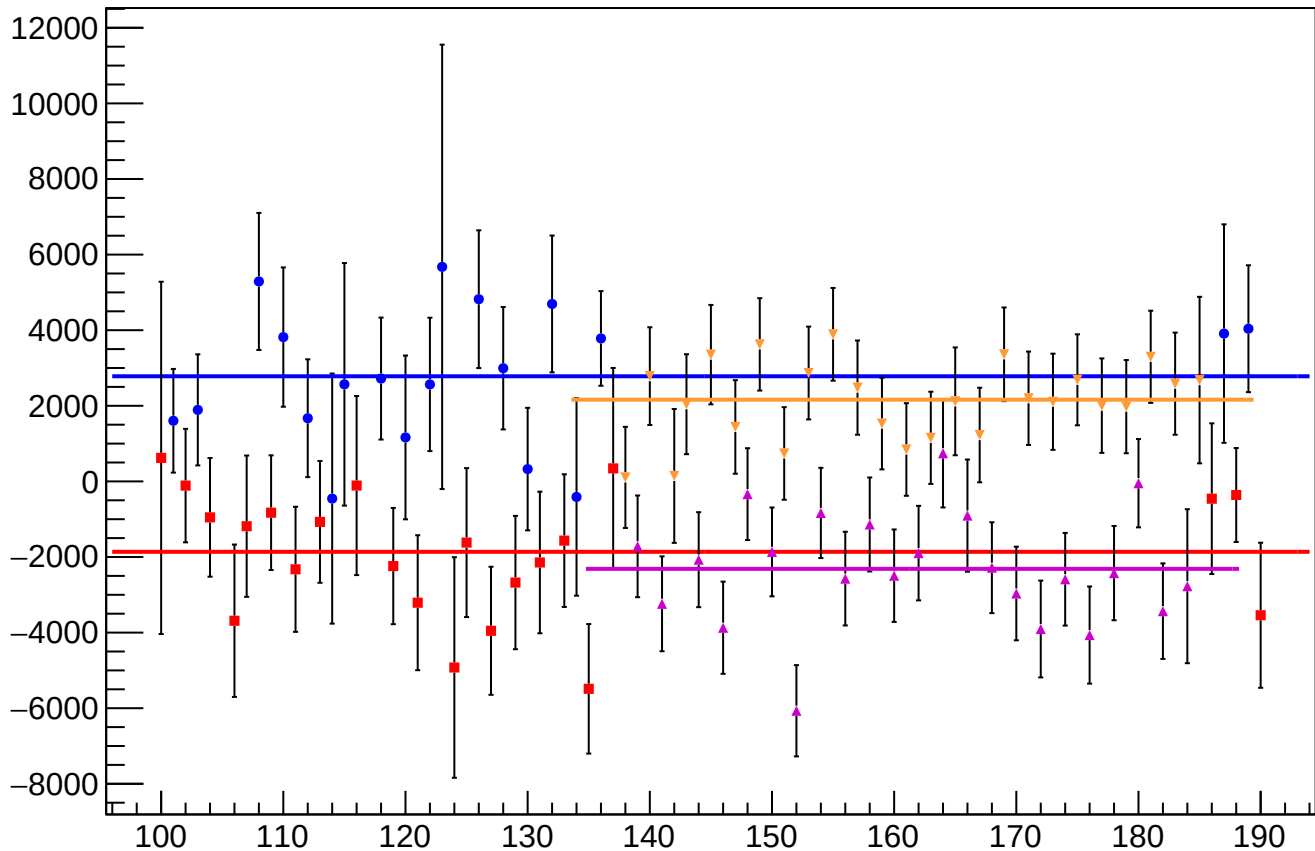
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

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

All: 1766.084+/-0.177 χ^2/NDF : 3600653.5/86

- sign 1761.836+/-0.249 χ^2/NDF : 1672662.2/43

reg_asym_usr_mean vs Slug



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

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

Right Out: -1862.493 $\pm$ 382.482 χ^2 /NDF: 15.7/21

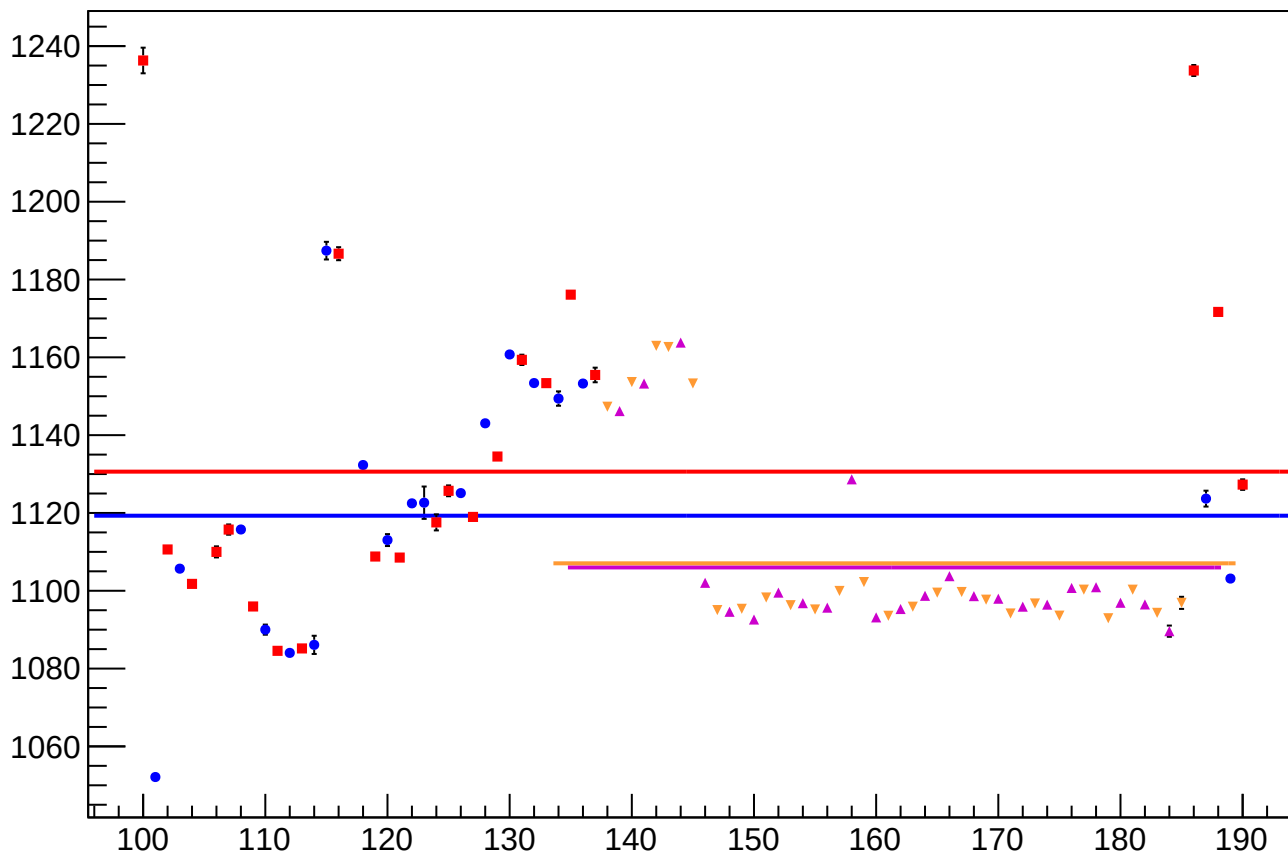
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

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

All: 67.231 $\pm$ 154.328 χ^2 /NDF: 290.3/88

- sign -2167.651 $\pm$ 217.509 χ^2 /NDF: 47.9/44

reg_asym_usr_rms vs Slug



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

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

Right Out: 1130.621 $\pm$ 0.270 χ^2 /NDF: 18496.6/21

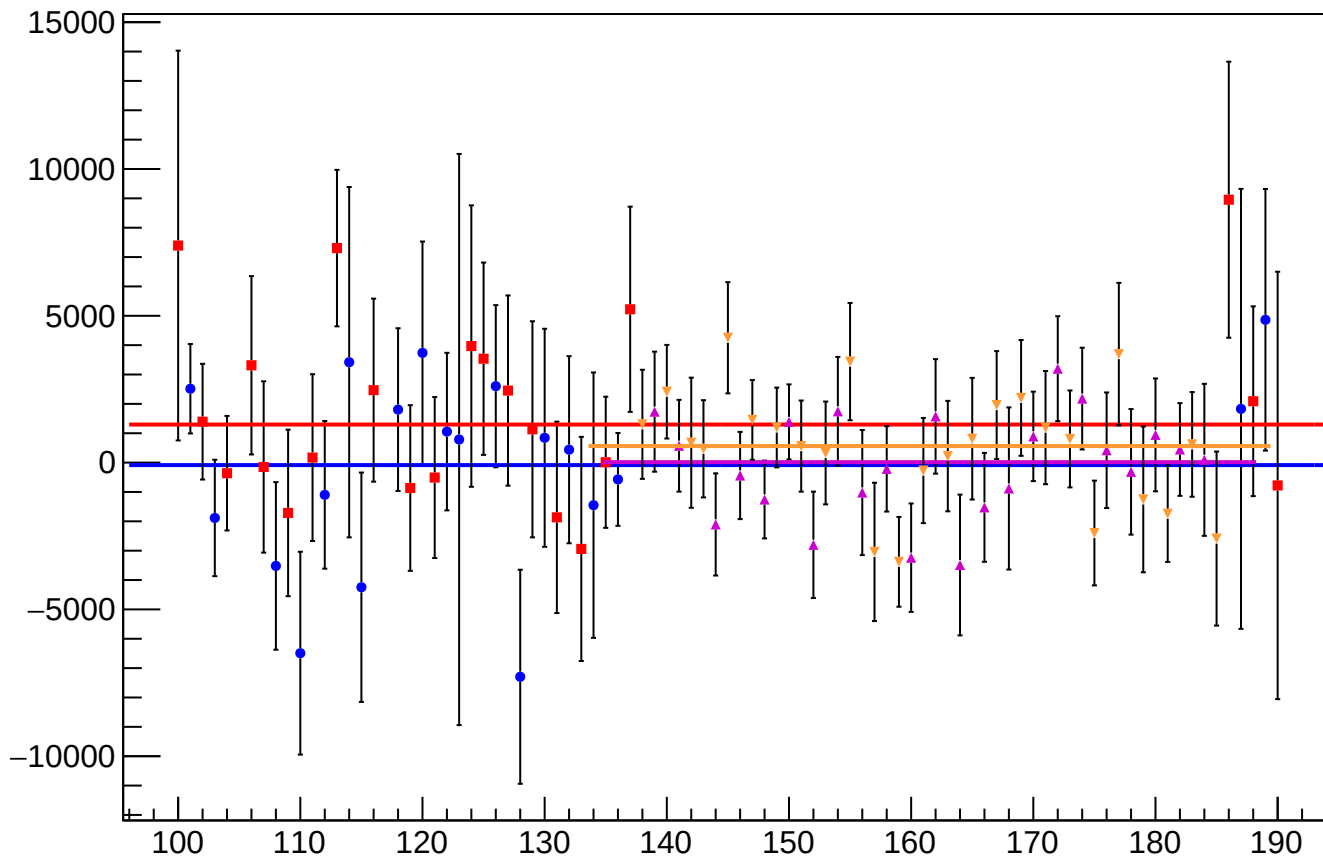
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

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

All: 1112.214 $\pm$ 0.109 χ^2 /NDF: 64504.7/88

- sign 1113.960 $\pm$ 0.154 χ^2 /NDF: 35656.8/44

asym_usr_correction_mean vs Slug



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: 1296.251 ± 641.381 χ^2/NDF : 17.3/21

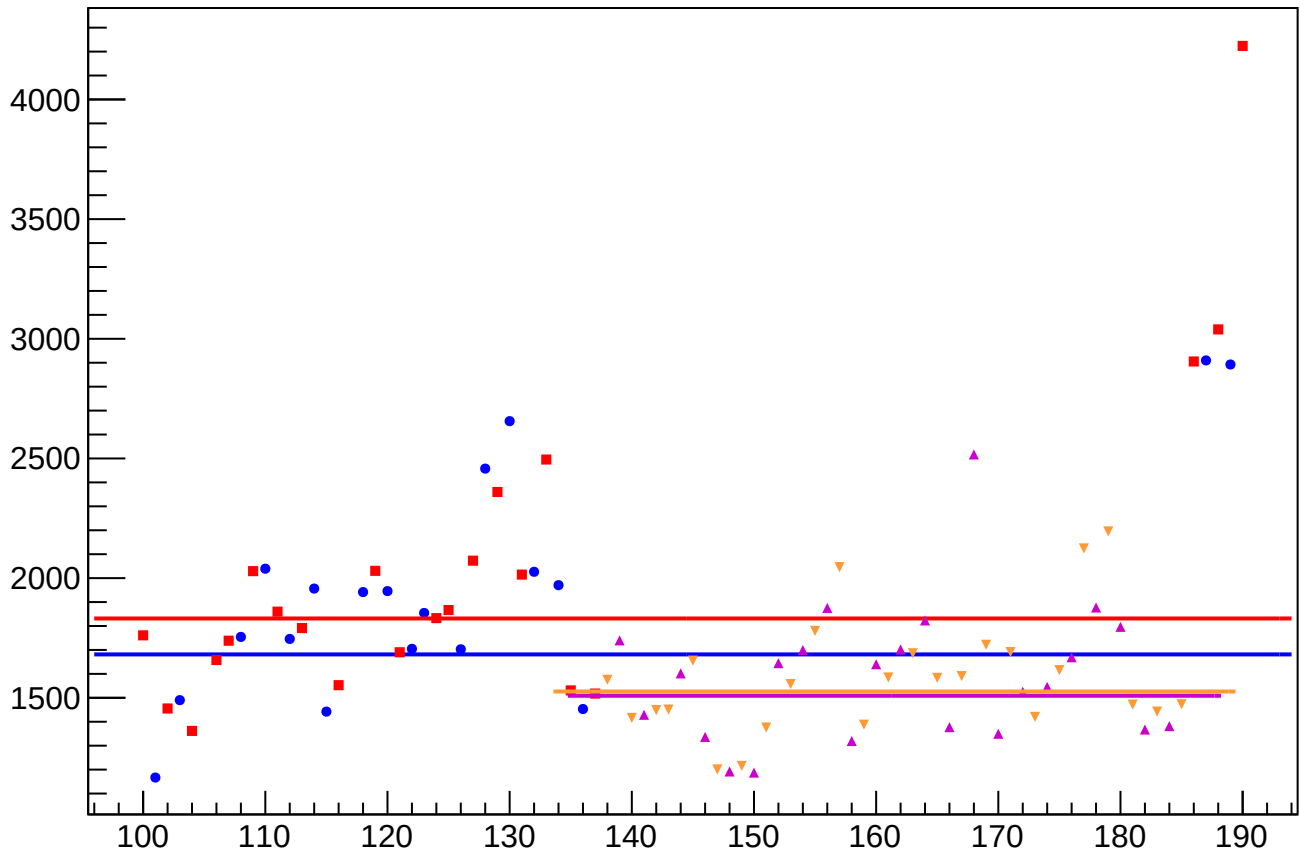
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 409.469 ± 315.204 χ^2/NDF : 45.9/43

All: 370.750 ± 224.020 χ^2/NDF : 86.3/88

- sign 331.232 ± 318.444 χ^2/NDF : 40.4/44

asym_usr_correction_rms vs Slug



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

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

Right Out: 1831.443+/-0.454 χ^2/NDF : 1010889.0/21

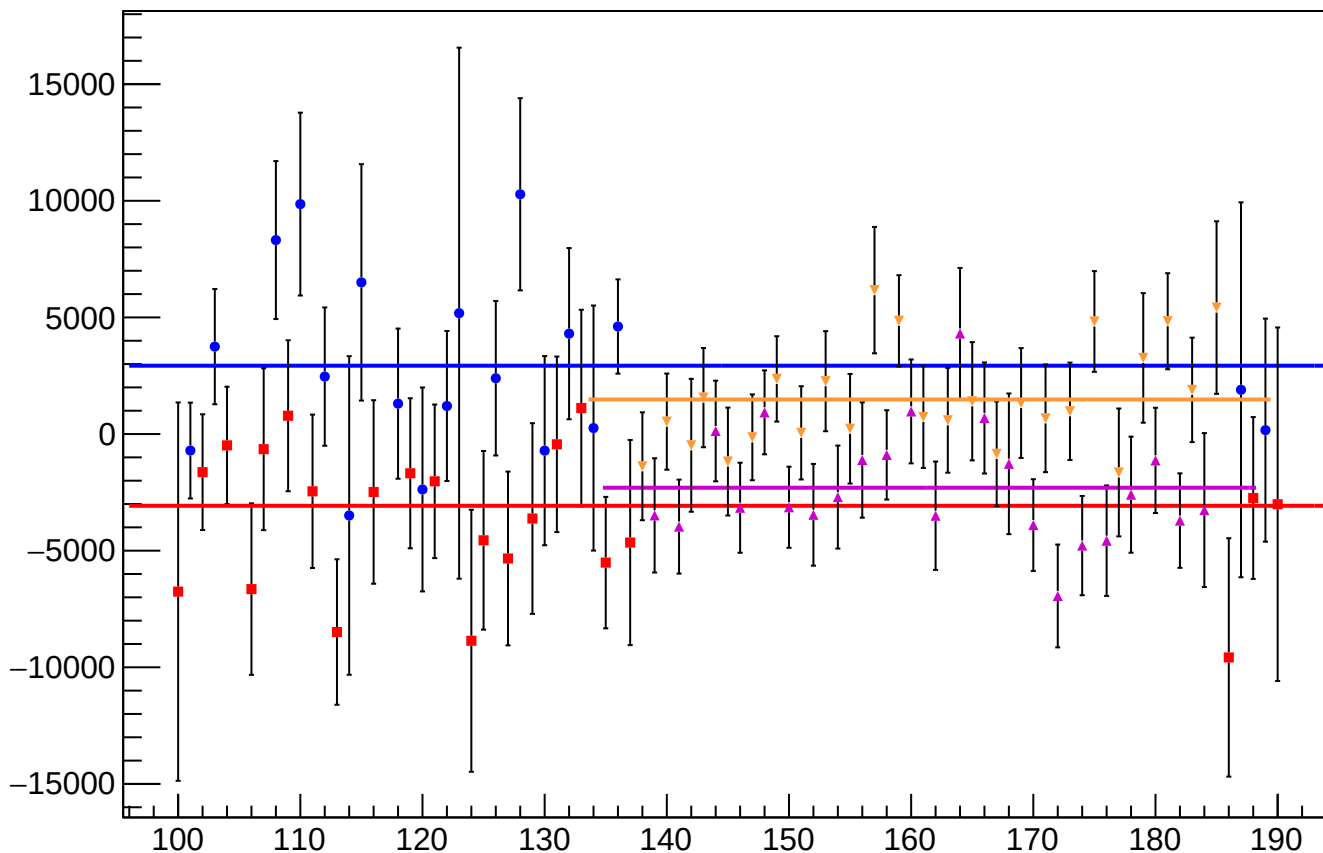
Left In: 1508.581+/-0.259 χ^2/NDF : 931684.8/22

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

All: 1575.528+/-0.158 χ^2/NDF : 3986057.5/80

- sign 1588.169+/-0.225 χ^2/NDF : 2324439.4/44

asym_usr_mean vs Slug



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

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

Right Out: -3076.318 $\pm$ 764.178 χ^2 /NDF: 13.4/21

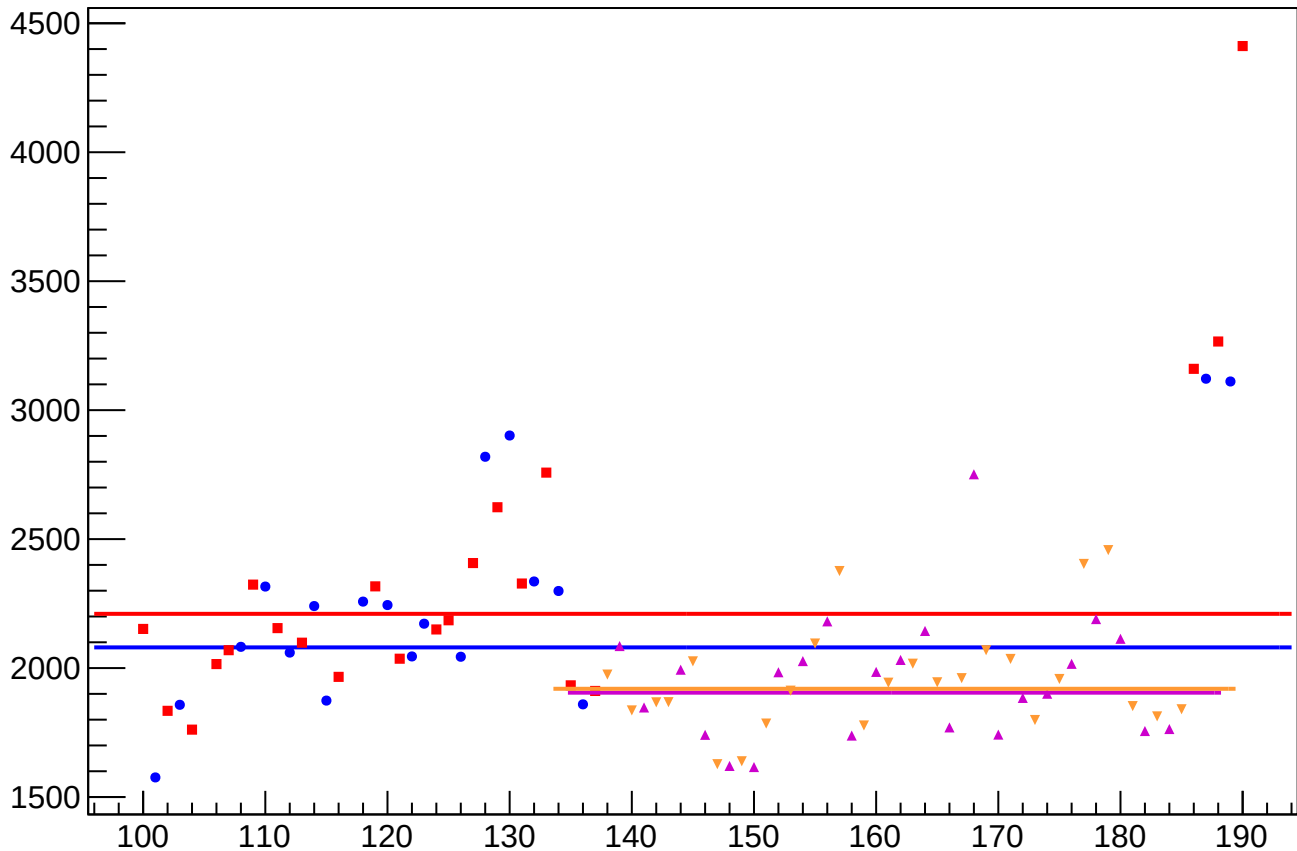
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

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

All: -320.078 $\pm$ 277.319 χ^2 /NDF: 141.6/88

- sign -2506.764 $\pm$ 393.502 χ^2 /NDF: 39.0/44

asym_usr_rms vs Slug



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: 2210.300 $\pm$ 0.540 χ^2 /NDF: 653506.2/21

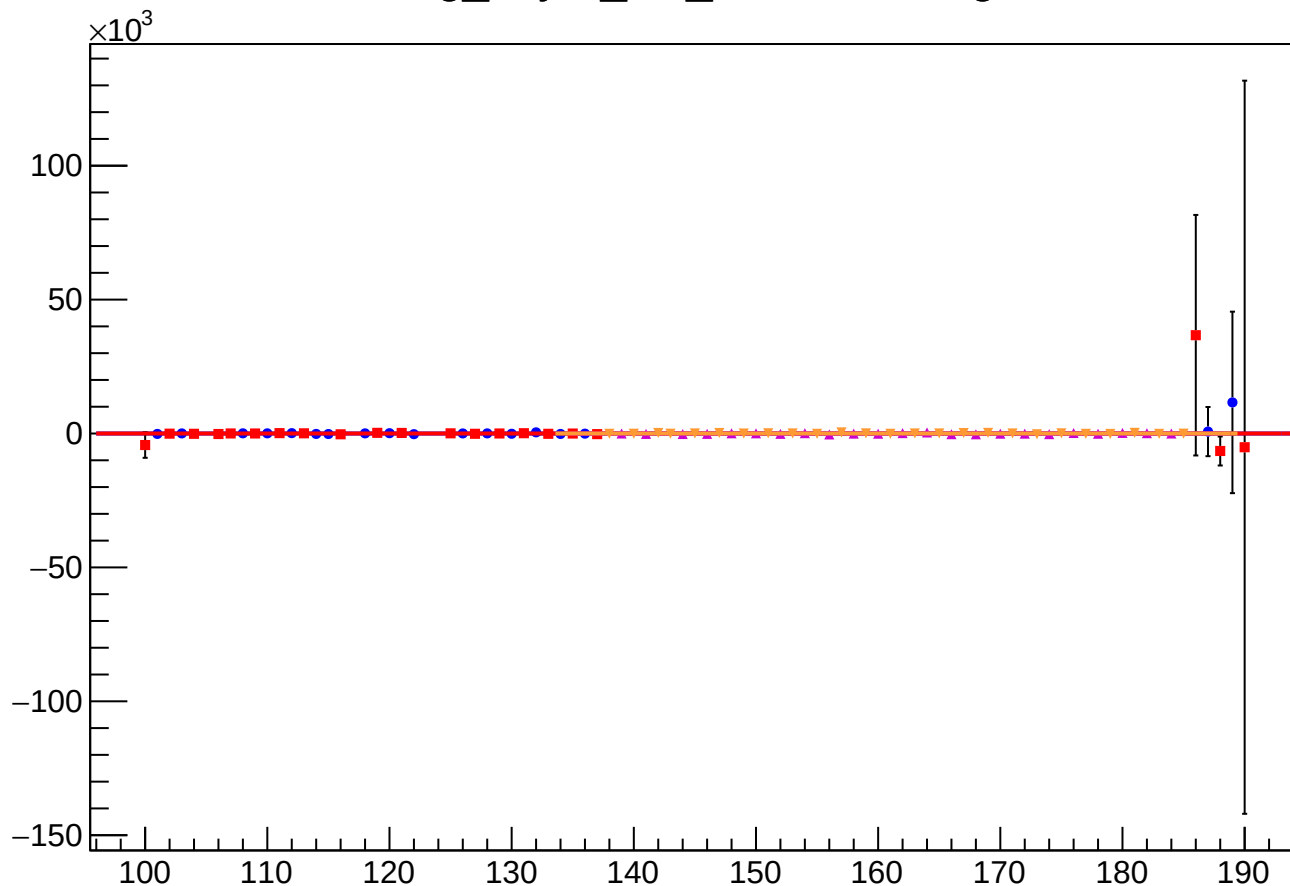
Left In: 1904.629 $\pm$ 0.325 χ^2 /NDF: 447350.7/22

+ sign 1959.114 $\pm$ 0.276 χ^2 /NDF: 896621.4/43

All: 1972.308 $\pm$ 0.196 χ^2 /NDF: 2237216.5/89

- sign 1985.680 $\pm$ 0.278 χ^2 /NDF: 1336006.7/44

reg_asym_dsl_mean vs Slug



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

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

Right Out: -1.736 ± 36.755 χ^2/NDF : 15.9/20

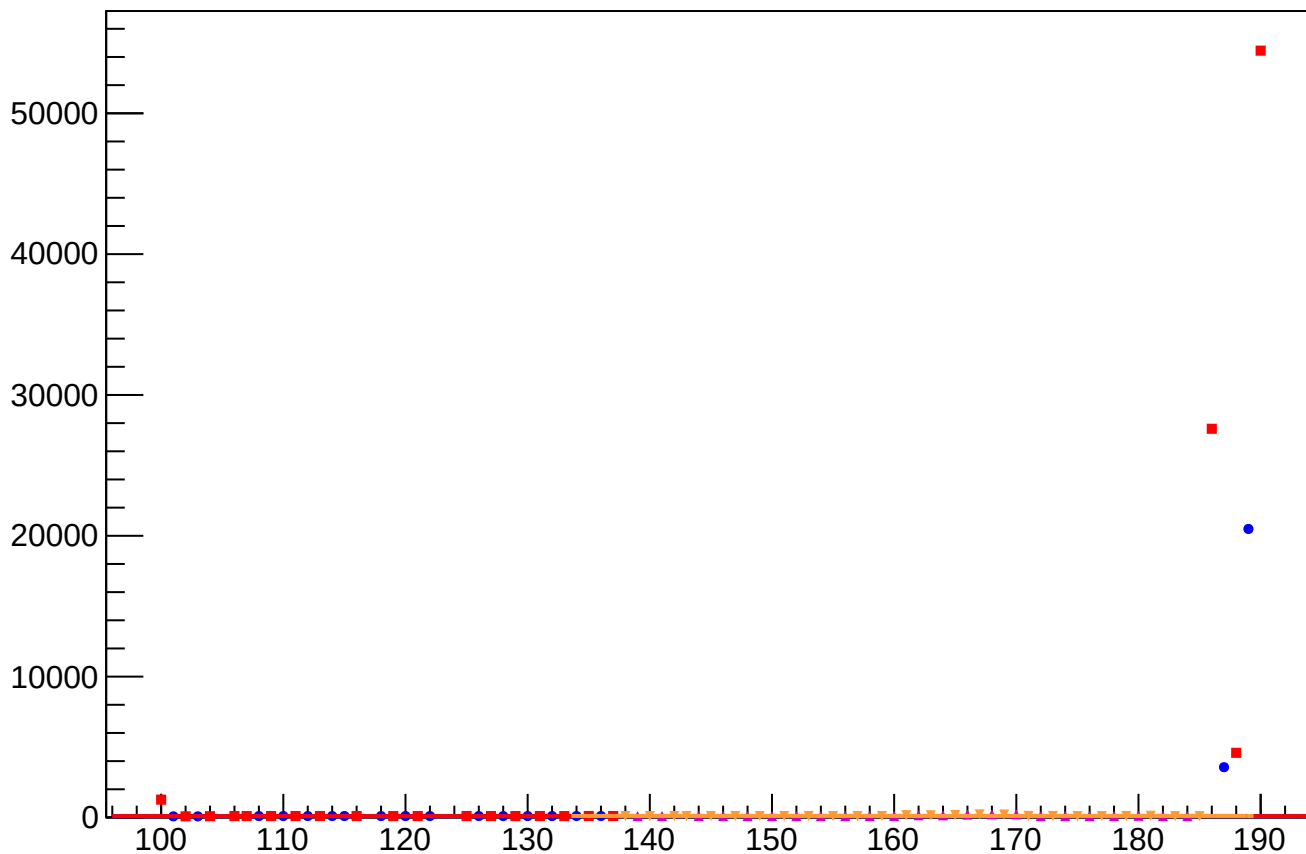
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

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

All: -5.824 ± 14.991 χ^2/NDF : 106.2/86

- sign -16.964 ± 21.412 χ^2/NDF : 52.6/43

reg_asym_dsl_rms vs Slug



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: 96.588+/-0.026 χ^2/NDF : 2691782.7/20

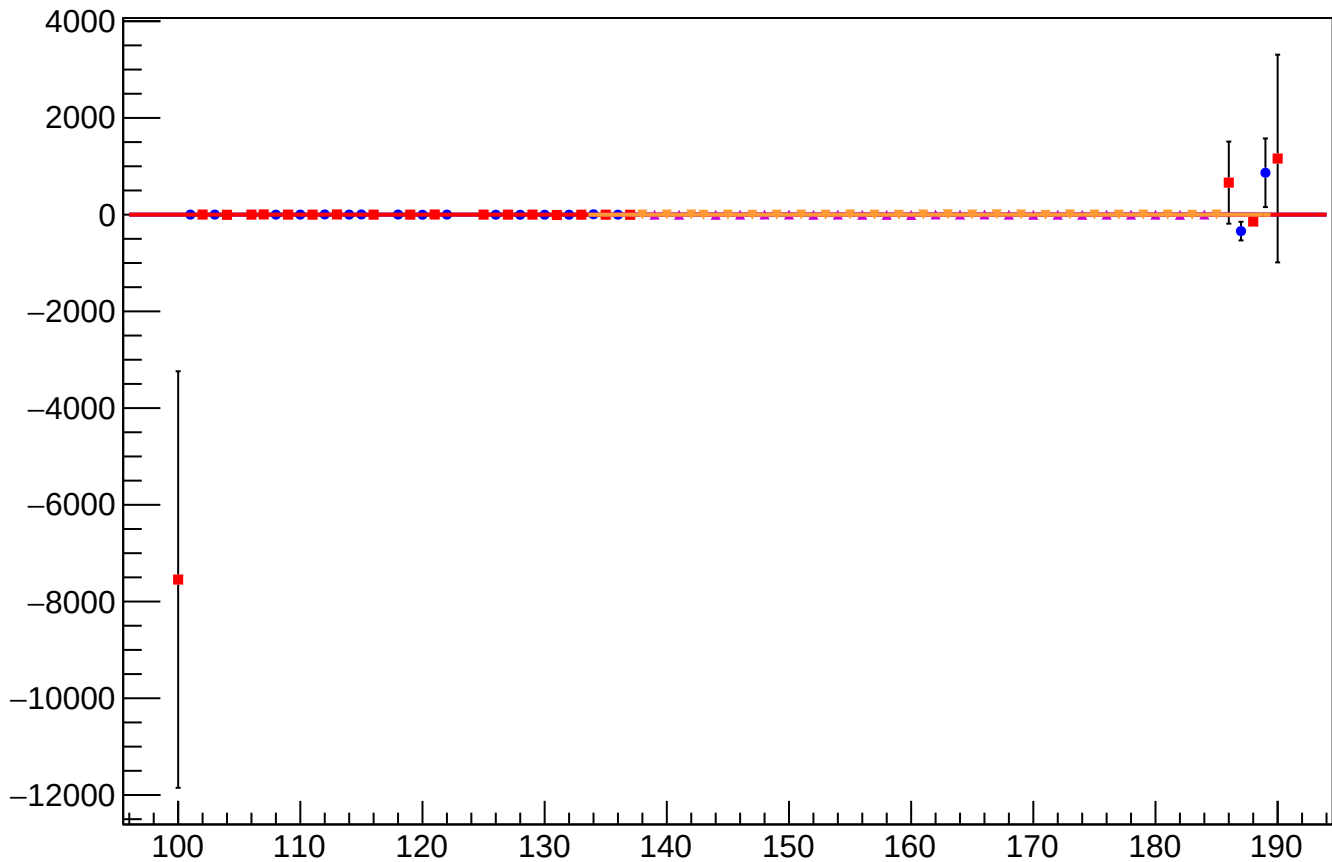
Left In: 107.672+/-0.019 χ^2/NDF : 1491034.7/22

+ sign 103.201+/-0.015 χ^2/NDF : 2791608.1/42

All: 103.549+/-0.011 χ^2/NDF : 7095718.7/86

- sign 103.911+/-0.015 χ^2/NDF : 4302990.4/43

asym_dsl_correction_mean vs Slug



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

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

Right Out: 0.339 ± 0.644 χ^2/NDF : 23.8/20

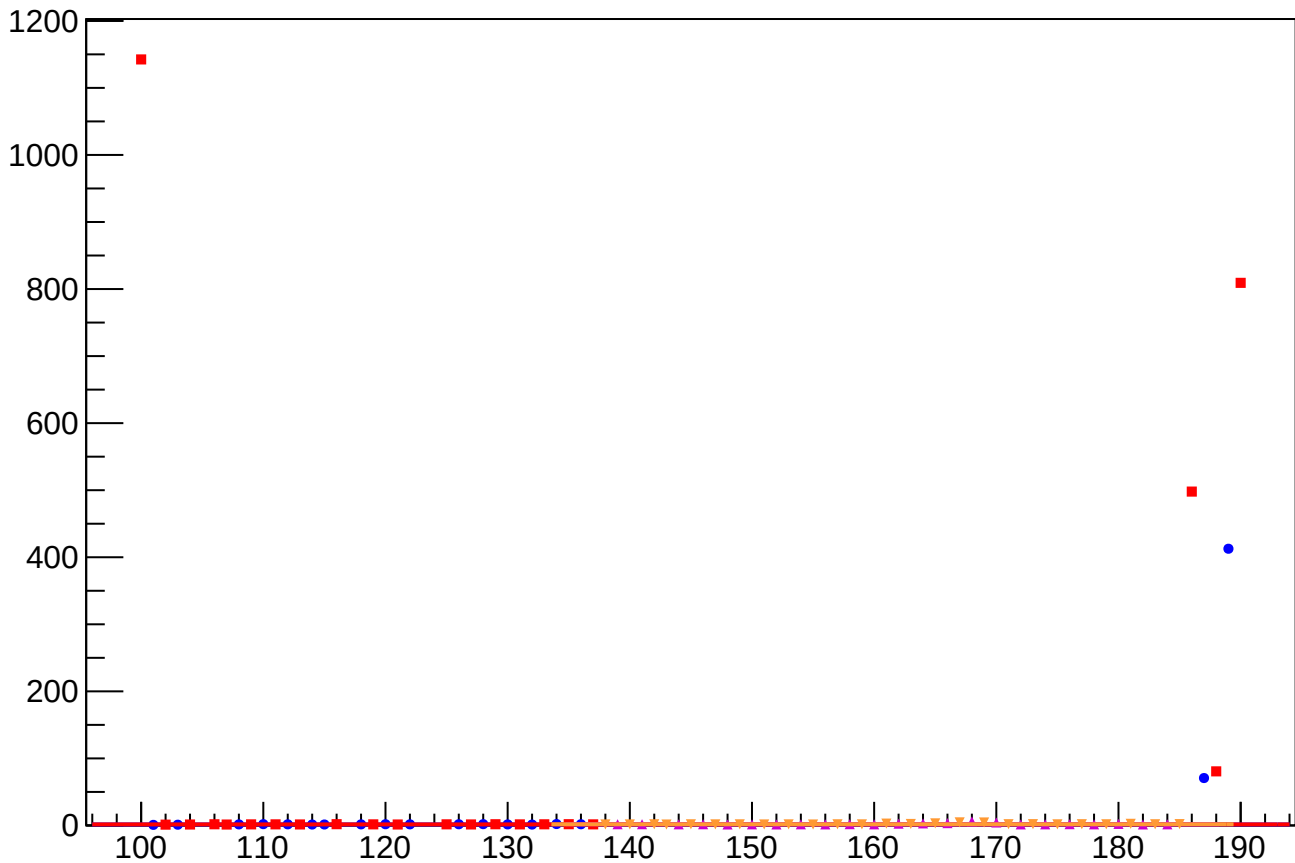
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

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

All: -0.107 ± 0.267 χ^2/NDF : 101.3/86

- sign 0.166 ± 0.387 χ^2/NDF : 48.9/43

asym_dsl_correction_rms vs Slug



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

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

Right Out: 1.558+/-0.000 χ^2/NDF : 2485757.9/20

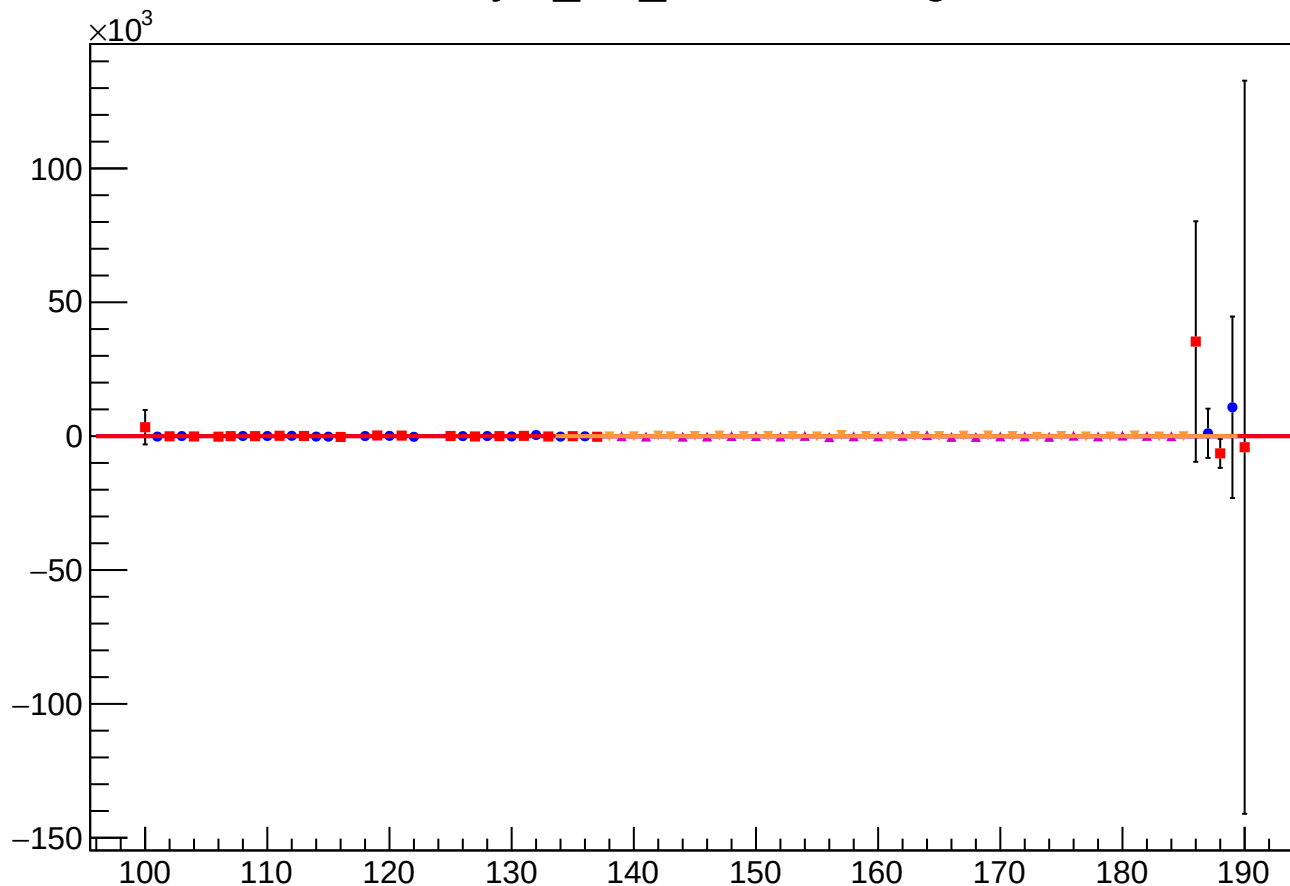
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

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

All: 1.670+/-0.000 χ^2/NDF : 8324814.6/86

- sign 1.714+/-0.000 χ^2/NDF : 4590519.6/43

asym_dsl_mean vs Slug



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

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

Right Out: -1.496 ± 36.765 χ^2/NDF : 15.3/20

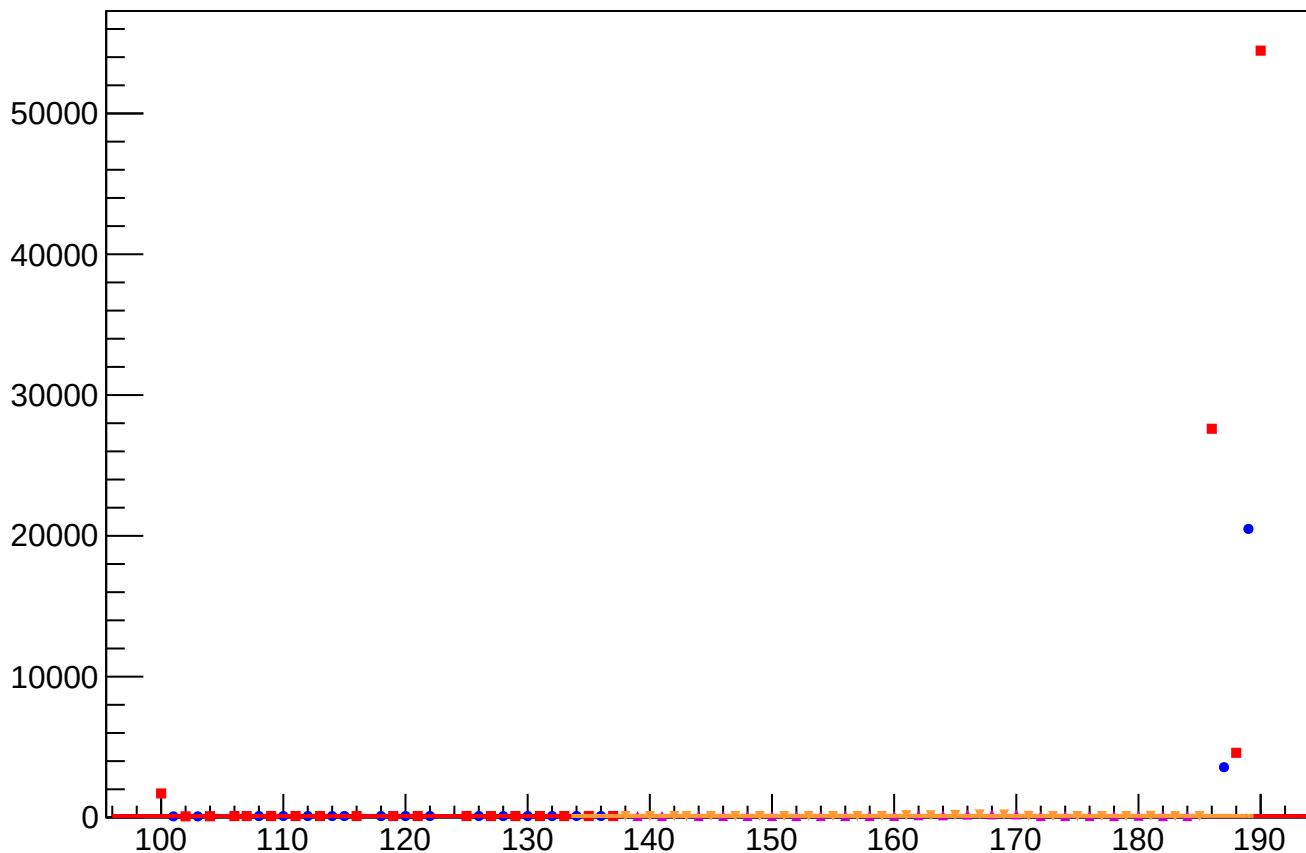
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

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

All: -5.628 ± 14.995 χ^2/NDF : 105.0/86

- sign -17.229 ± 21.418 χ^2/NDF : 51.3/43

asym_dsl_rms vs Slug



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

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

Right Out: 96.597+/-0.026 χ^2 /NDF: 2696953.5/20

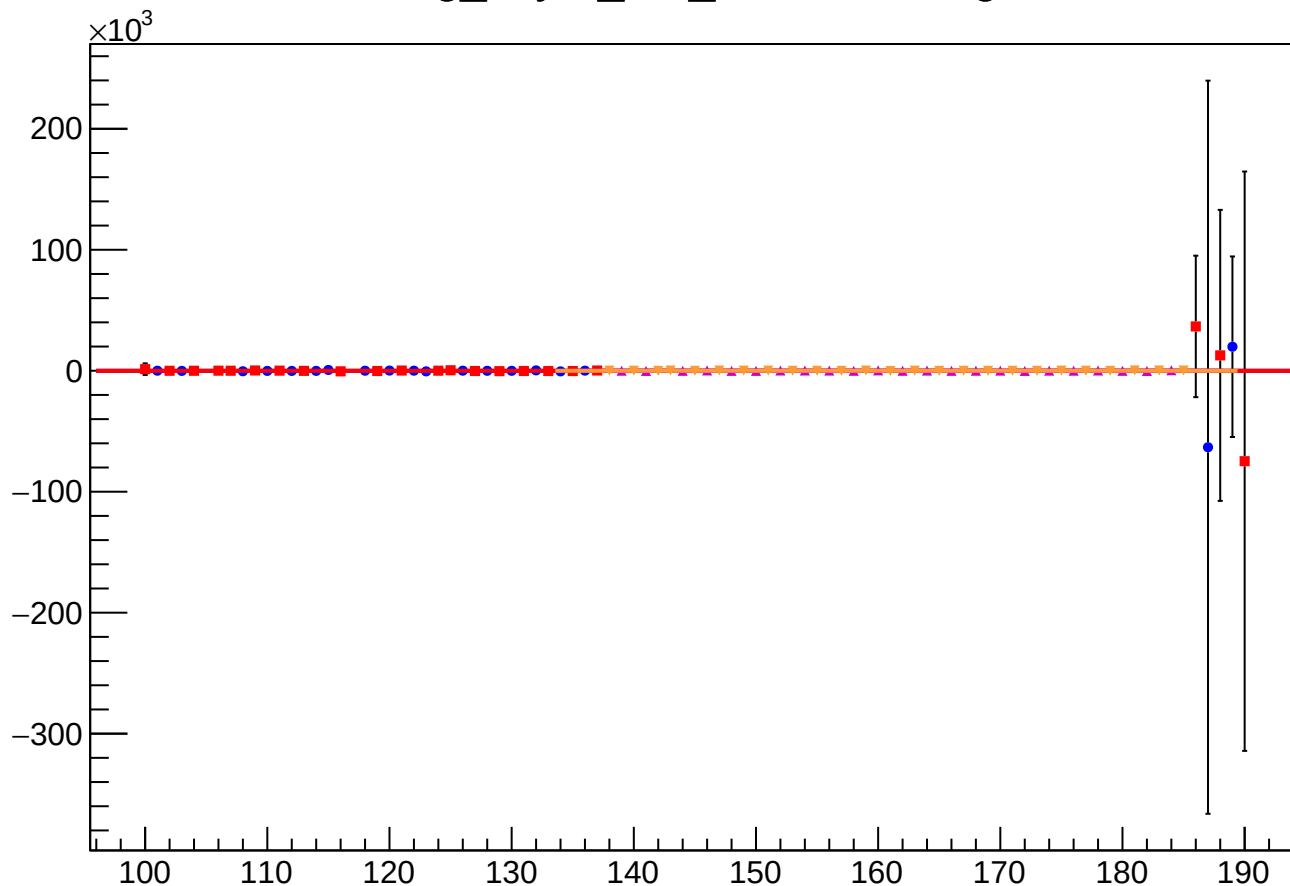
Left In: 107.703+/-0.019 χ^2 /NDF: 1492338.5/22

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

All: 103.575+/-0.011 χ^2 /NDF: 7104046.0/86

- sign 103.934+/-0.015 χ^2 /NDF: 4309870.9/43

reg_asym_dsr_mean vs Slug



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

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

Right Out: -53.361 ± 47.775 χ^2/NDF : 15.9/21

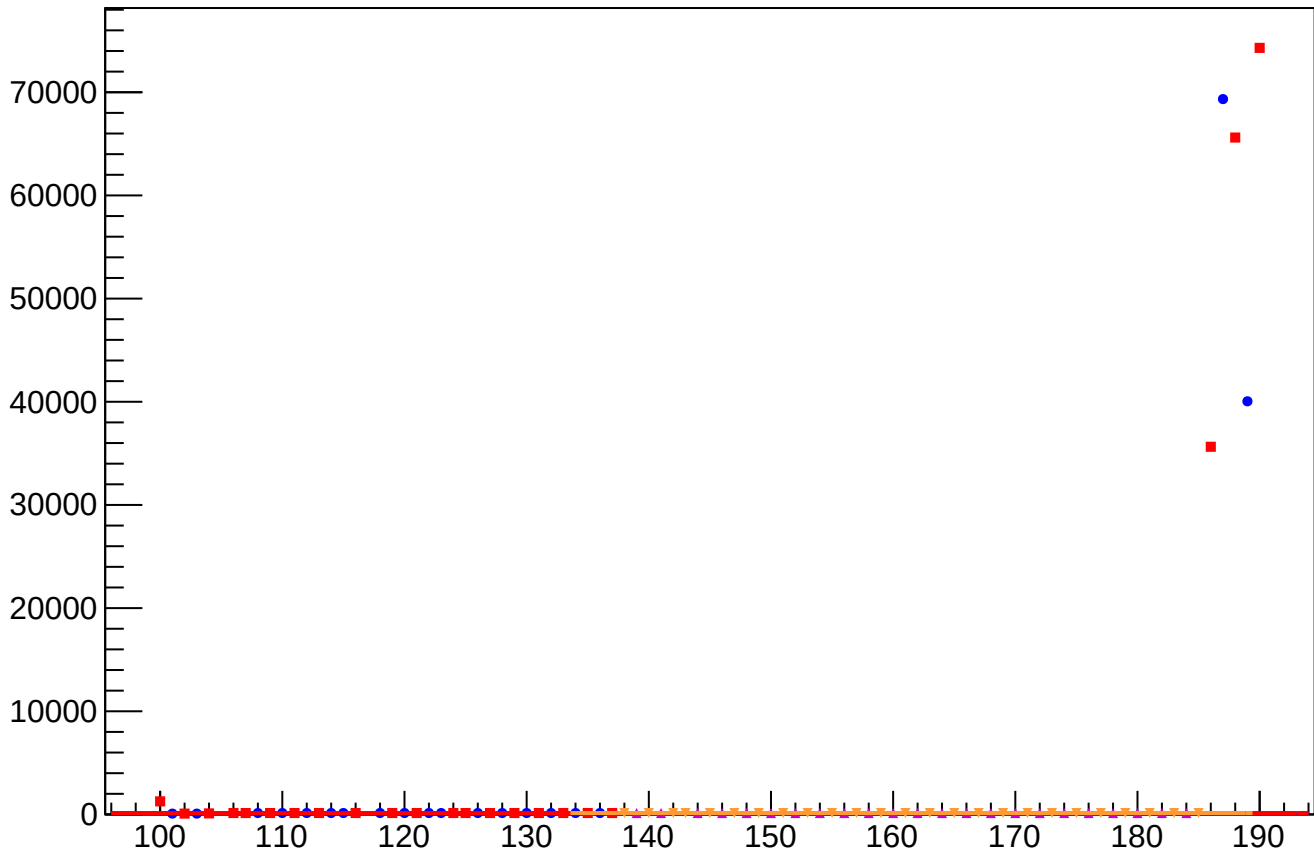
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

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

All: 4.351 ± 18.939 χ^2/NDF : 67.4/88

- sign 27.084 ± 27.121 χ^2/NDF : 39.4/44

reg_asym_dsr_rms vs Slug



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

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

Right Out: 124.764 $\pm$ 0.034 χ^2 /NDF: 2260988.7/21

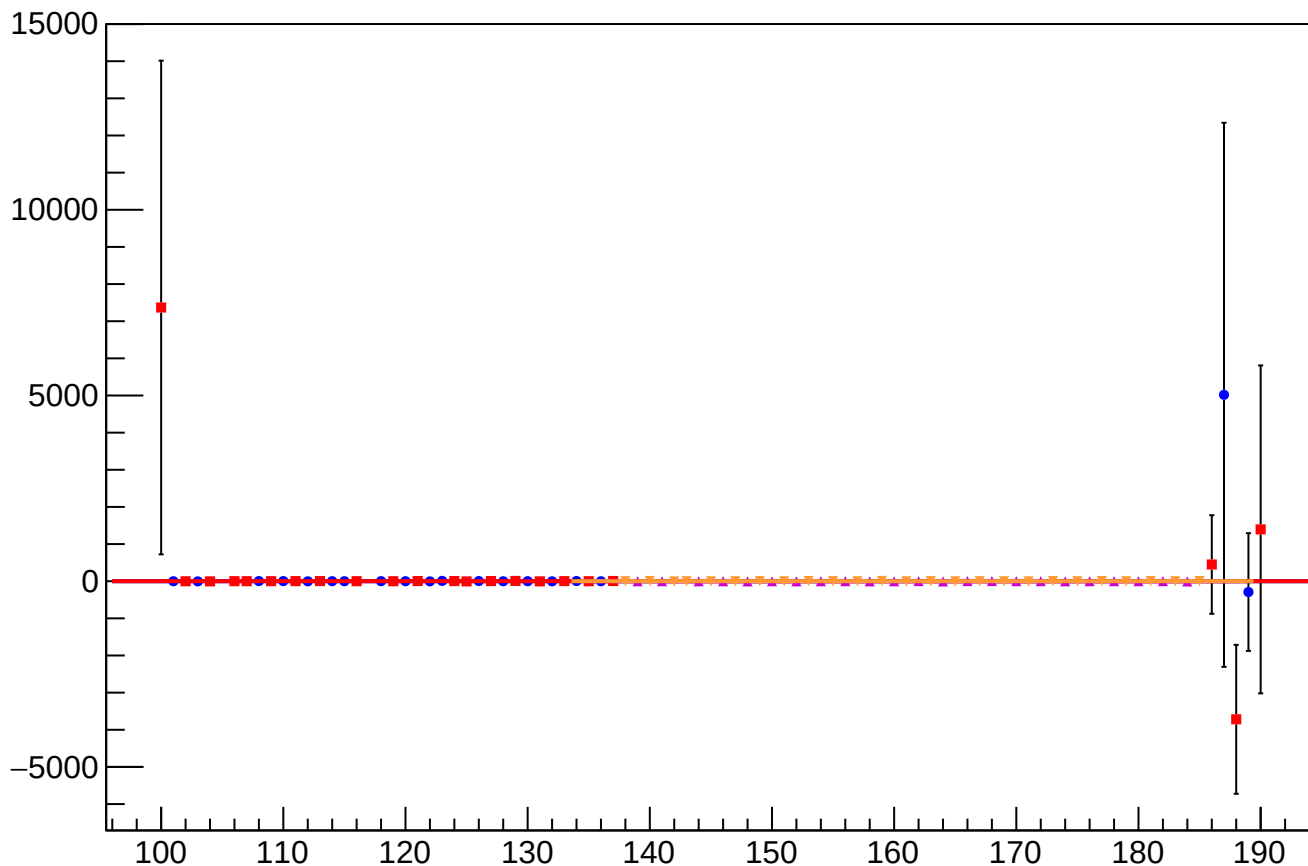
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

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

All: 132.500 $\pm$ 0.013 χ^2 /NDF: 4011866.7/88

- sign 133.602 $\pm$ 0.019 χ^2 /NDF: 2362439.0/44

asym_dsr_correction_mean vs Slug



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

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

Right Out: 0.638 ± 0.852 χ^2/NDF : 18.4/21

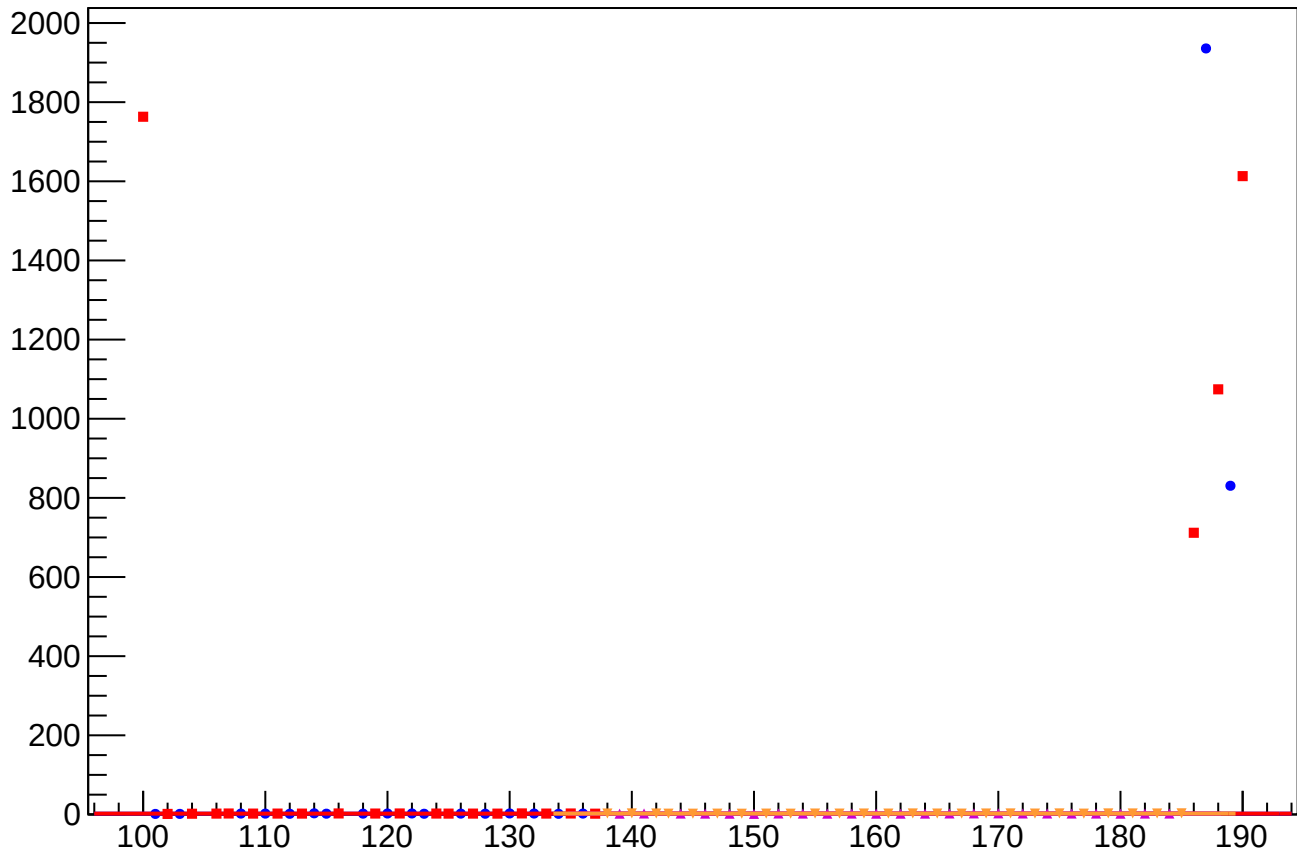
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

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

All: 0.046 ± 0.334 χ^2/NDF : 83.0/88

- sign 0.003 ± 0.479 χ^2/NDF : 39.8/44

asym_dsr_correction_rms vs Slug



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

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

Right Out: 2.064 $\pm$ 0.001 χ^2 /NDF: 1932125.7/21

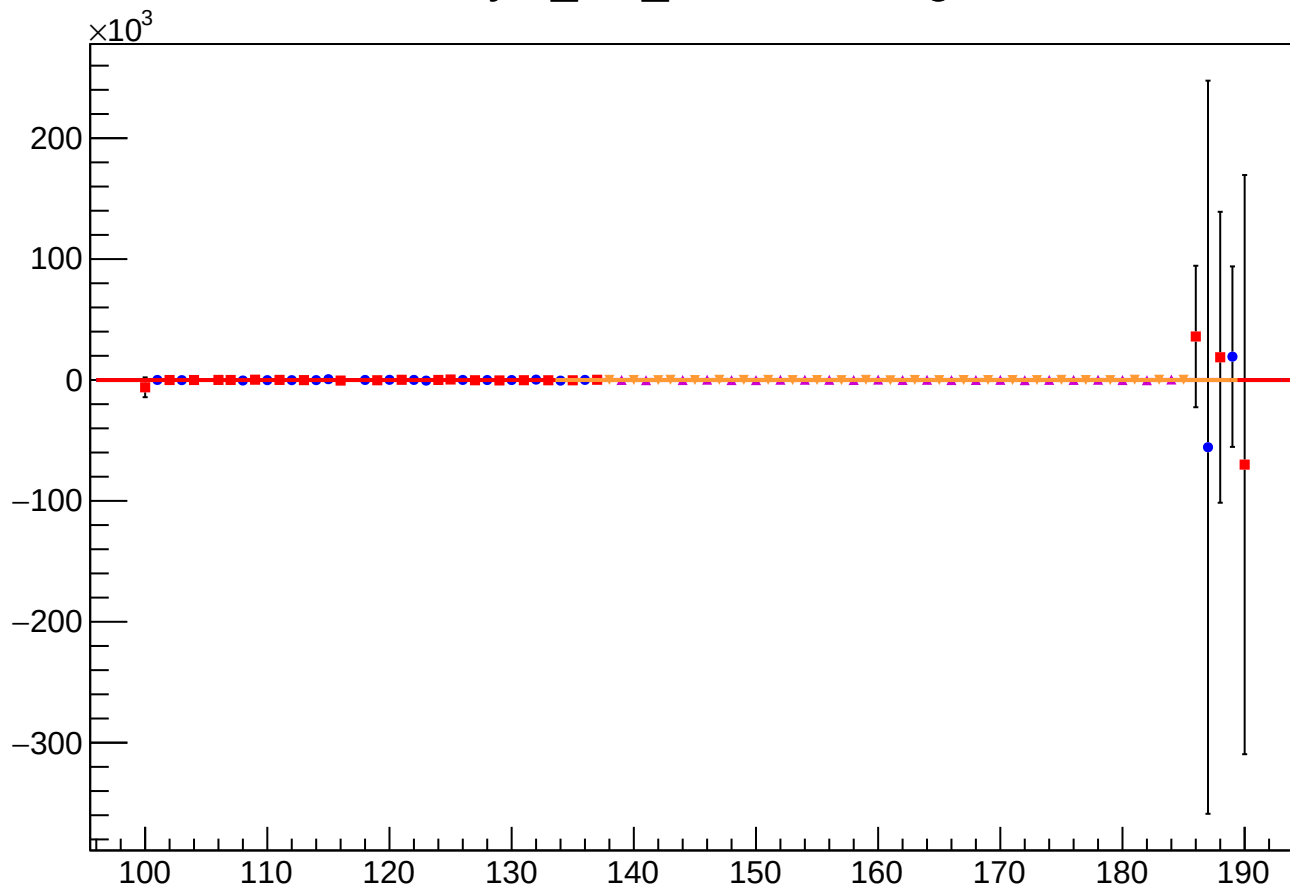
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF: 510890.7/22

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

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 4347069.1/88

- sign 2.152 $\pm$ 0.000 χ^2 /NDF: 2474264.1/44

asym_dsr_mean vs Slug



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

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

Right Out: -54.261 ± 47.789 χ^2/NDF : 16.6/21

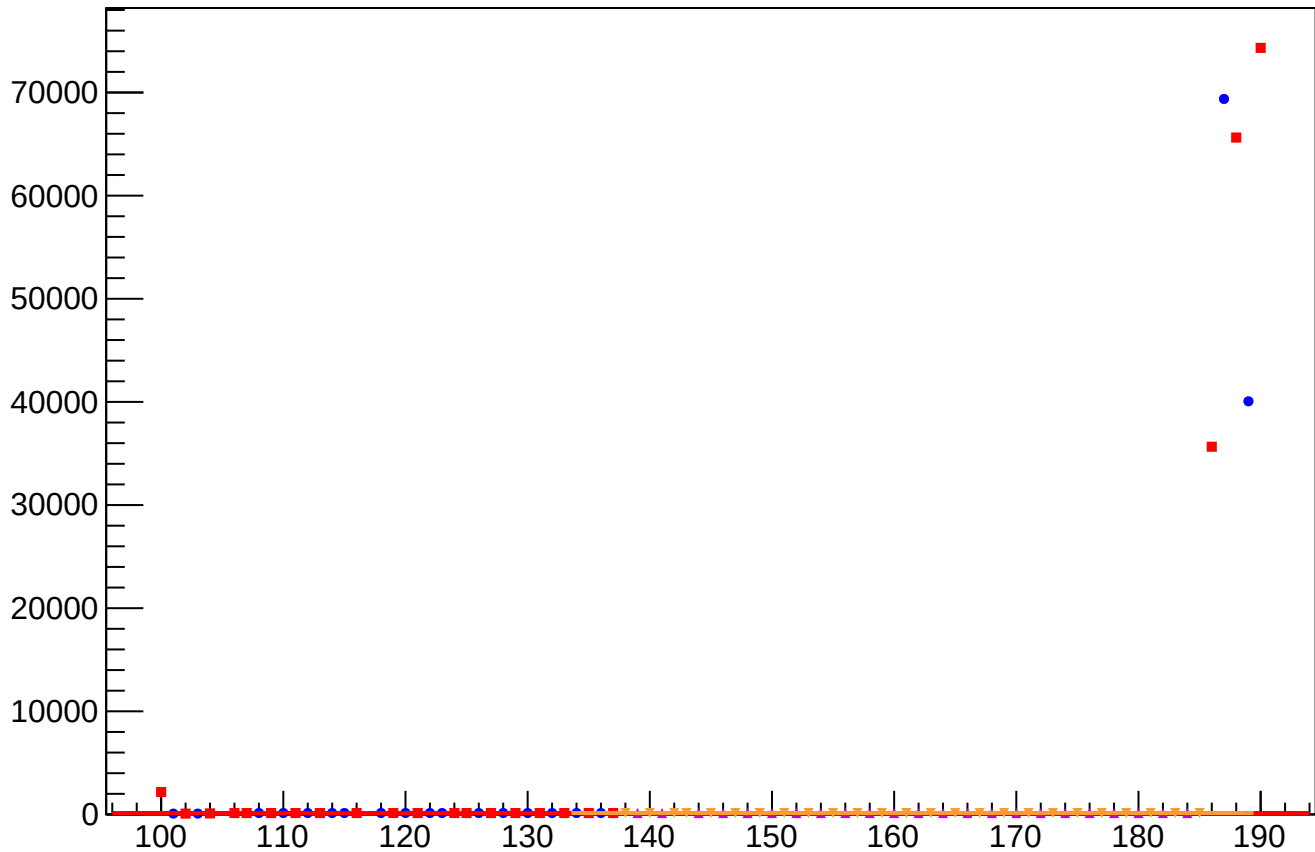
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

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

All: 4.266 ± 18.944 χ^2/NDF : 67.9/88

- sign 26.724 ± 27.129 χ^2/NDF : 40.2/44

asym_dsr_rms vs Slug



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

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

Right Out: 124.753 $\pm$ 0.034 χ^2 /NDF: 2271575.4/21

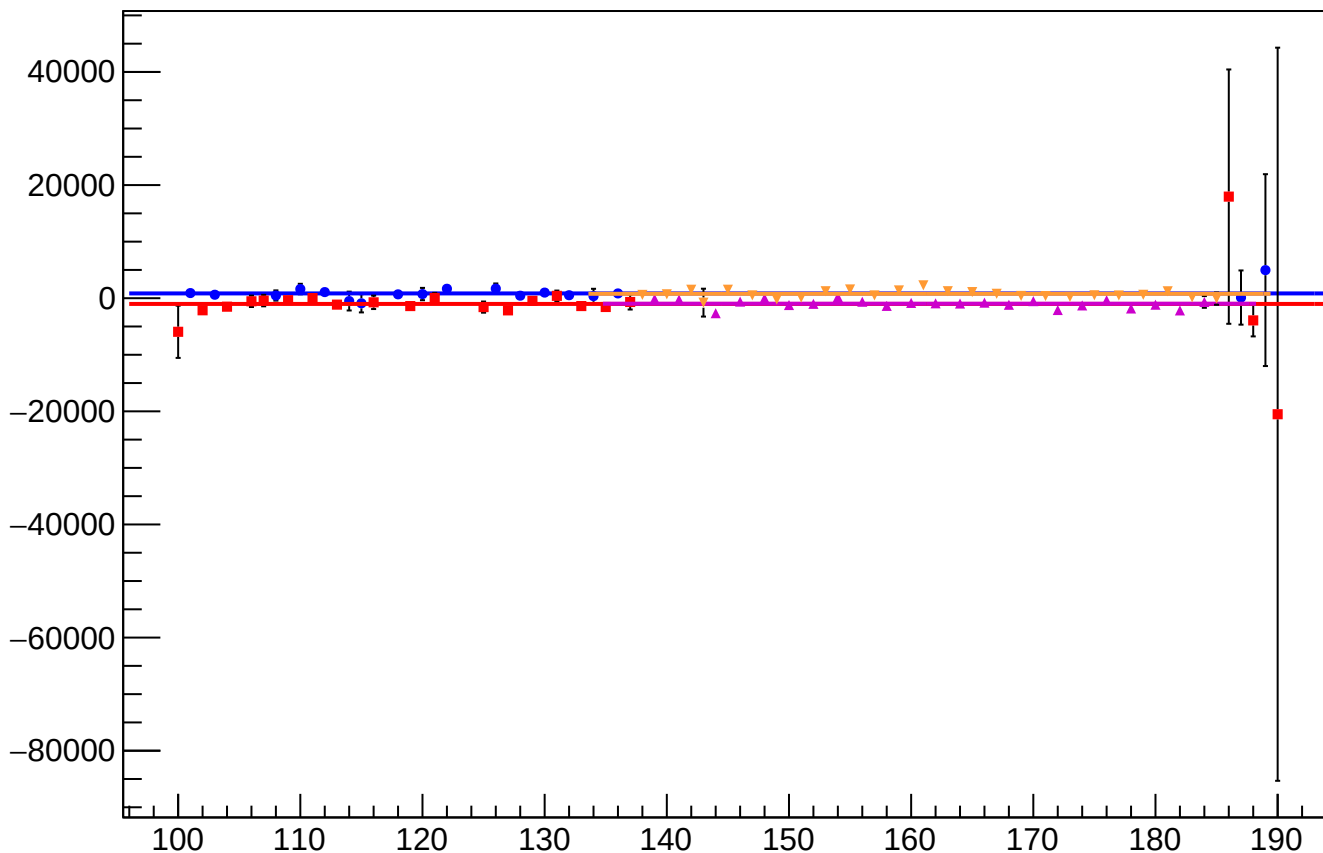
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

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

All: 132.530 $\pm$ 0.013 χ^2 /NDF: 4023147.9/88

- sign 133.625 $\pm$ 0.019 χ^2 /NDF: 2373737.7/44

reg_asym_left_avg_mean vs Slug



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

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

Right Out: -1012.156+/-212.650 χ^2/NDF : 15.9/20

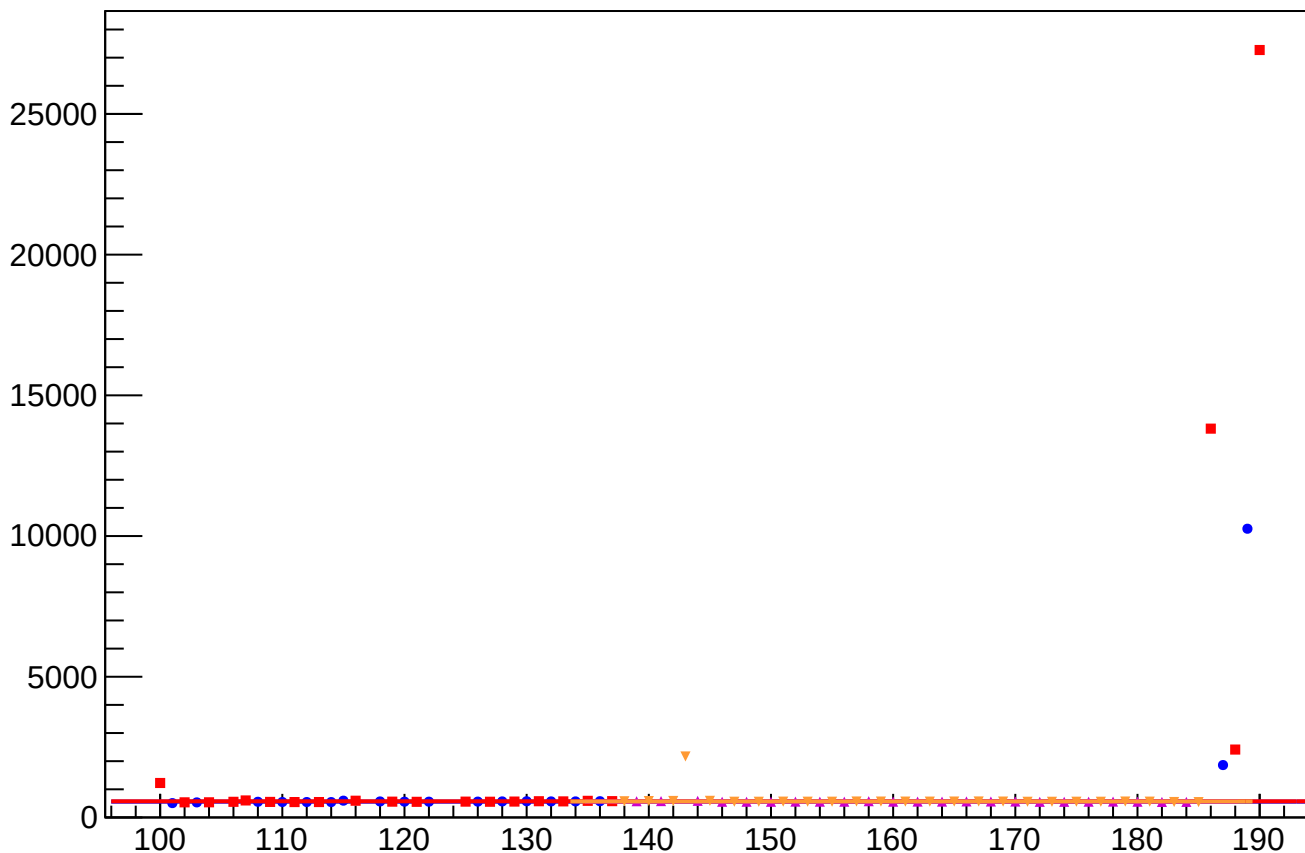
Left In: -974.402+/-134.932 χ^2/NDF : 27.4/22

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

All: -92.851+/-80.530 χ^2/NDF : 191.0/86

- sign -985.239+/-113.932 χ^2/NDF : 43.4/43

reg_asym_left_avg_rms vs Slug



Right In: 561.116 $\pm$ 0.153 χ^2 /NDF: 821064.8/17

Left Out: 568.874 $\pm$ 0.095 χ^2 /NDF: 853714.5/24

Right Out: 574.392 $\pm$ 0.150 χ^2 /NDF: 1945008.6/20

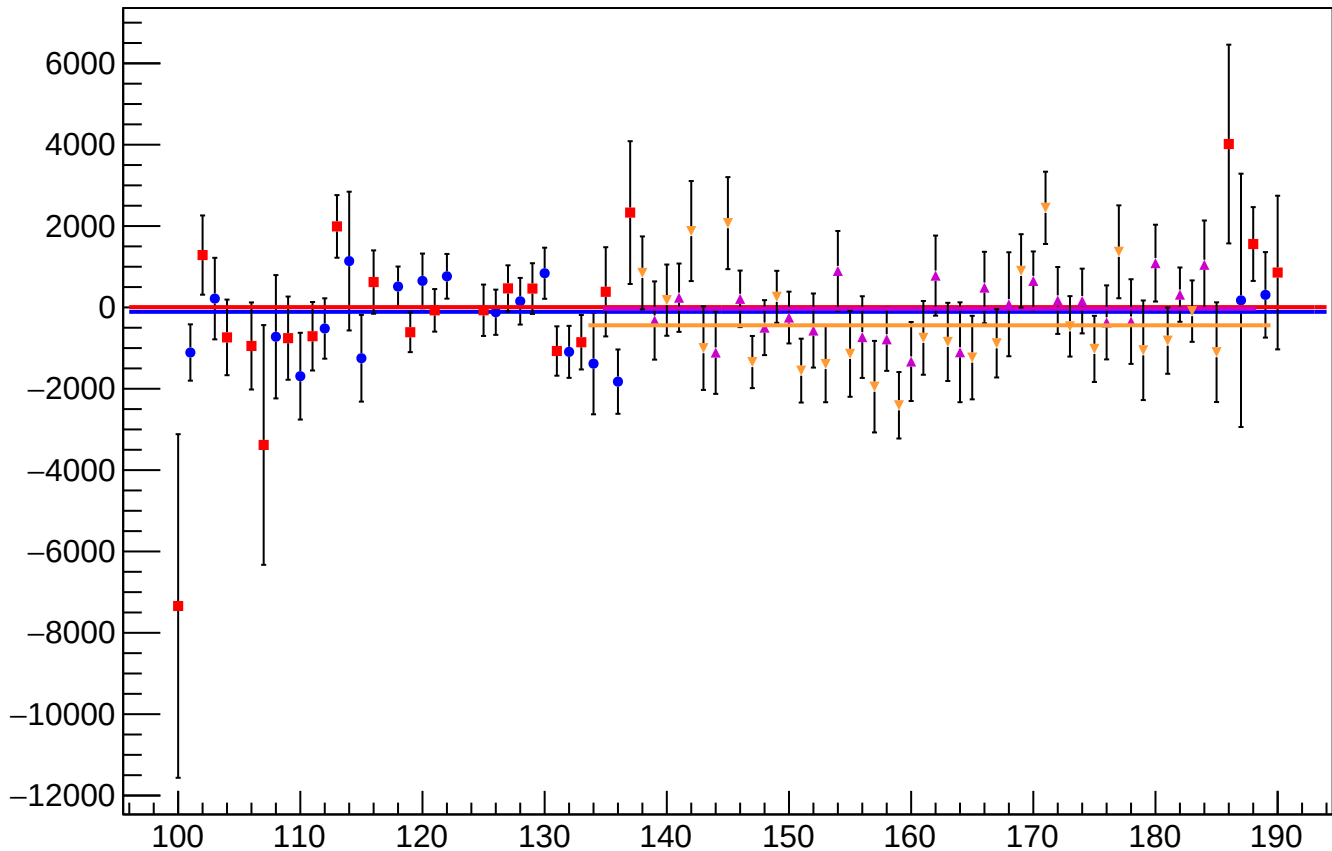
Left In: 564.383 $\pm$ 0.095 χ^2 /NDF: 9209.5/22

+ sign 566.728 $\pm$ 0.080 χ^2 /NDF: 1676638.4/42

All: 566.992 $\pm$ 0.057 χ^2 /NDF: 3634036.9/86

- sign 567.256 $\pm$ 0.081 χ^2 /NDF: 1957377.0/43

asym_left_avg_correction_mean vs Slug



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

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

Right Out: 7.583+/-174.719 χ^2/NDF : 31.4/20

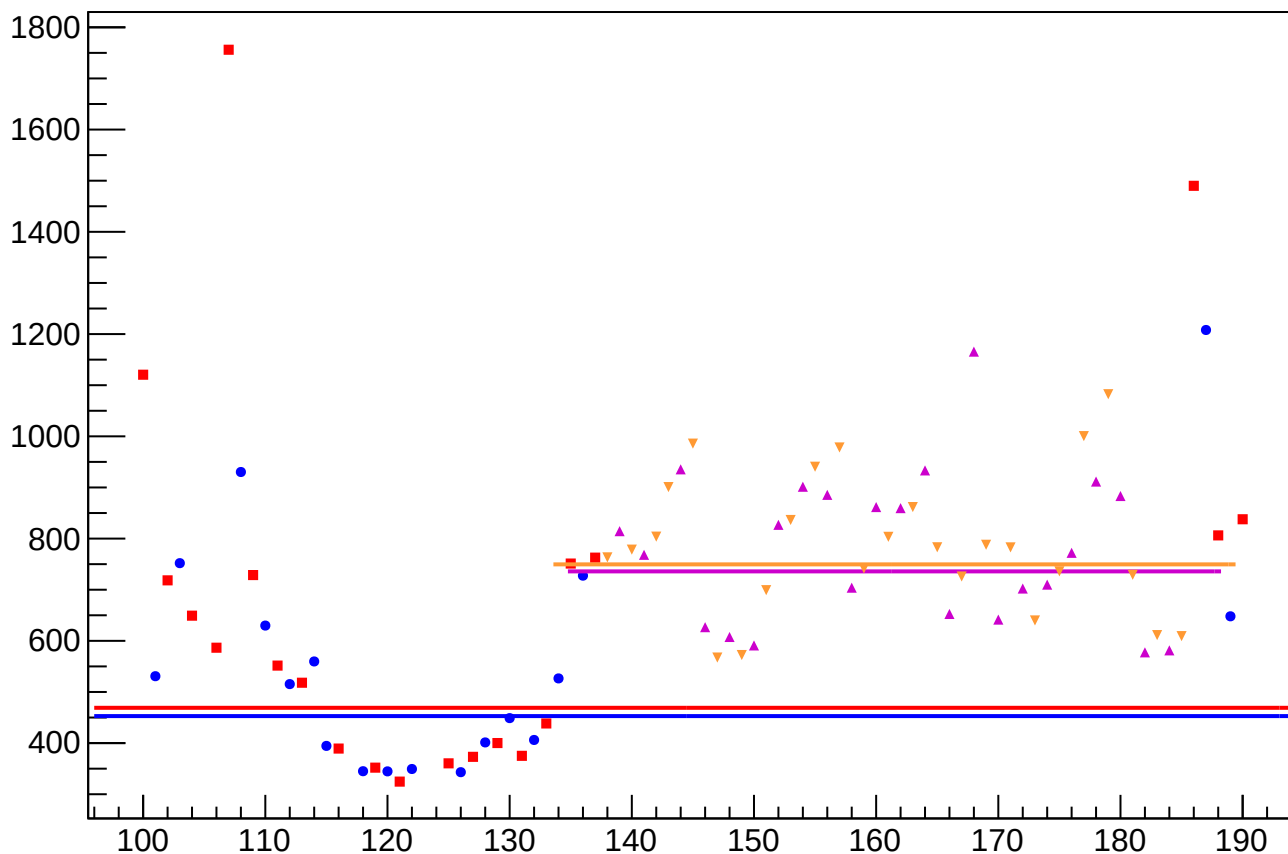
Left In: -32.411+/-179.430 χ^2/NDF : 12.2/22

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

All: -142.433+/-88.727 χ^2/NDF : 113.8/86

- sign -11.882+/-125.177 χ^2/NDF : 43.6/43

asym_left_avg_correction_rms vs Slug



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

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

Right Out: 469.045 $\pm$ 0.124 χ^2 /NDF: 2186904.3/20

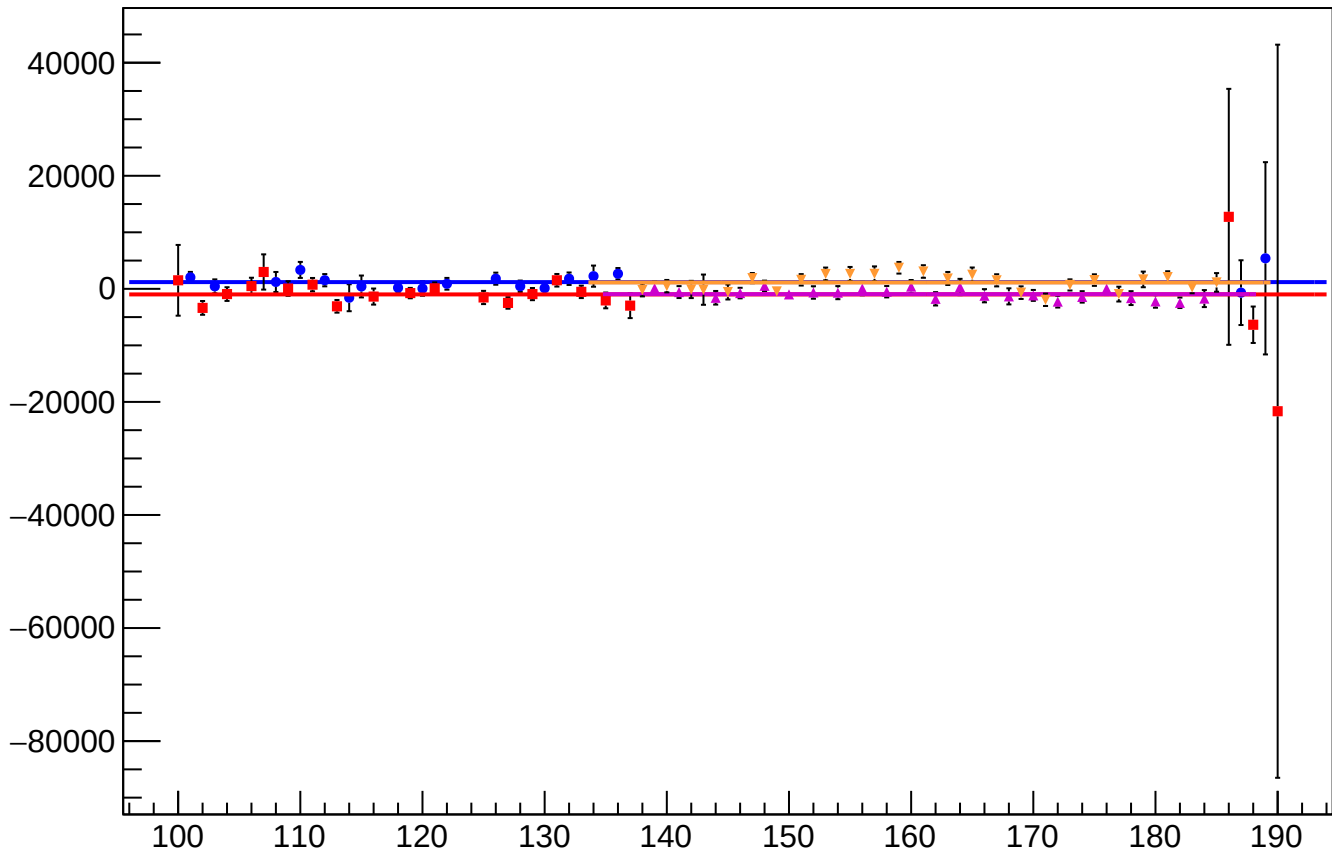
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

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

All: 600.044 $\pm$ 0.063 χ^2 /NDF: 10642481.2/80

- sign 598.899 $\pm$ 0.089 χ^2 /NDF: 5562168.9/43

asym_left_avg_mean vs Slug



Right In: 1192.464+/-295.658 χ^2/NDF : 11.9/17

Left Out: 1128.601+/-228.001 χ^2/NDF : 39.1/24

Right Out: -985.644+/-292.975 χ^2/NDF : 26.4/20

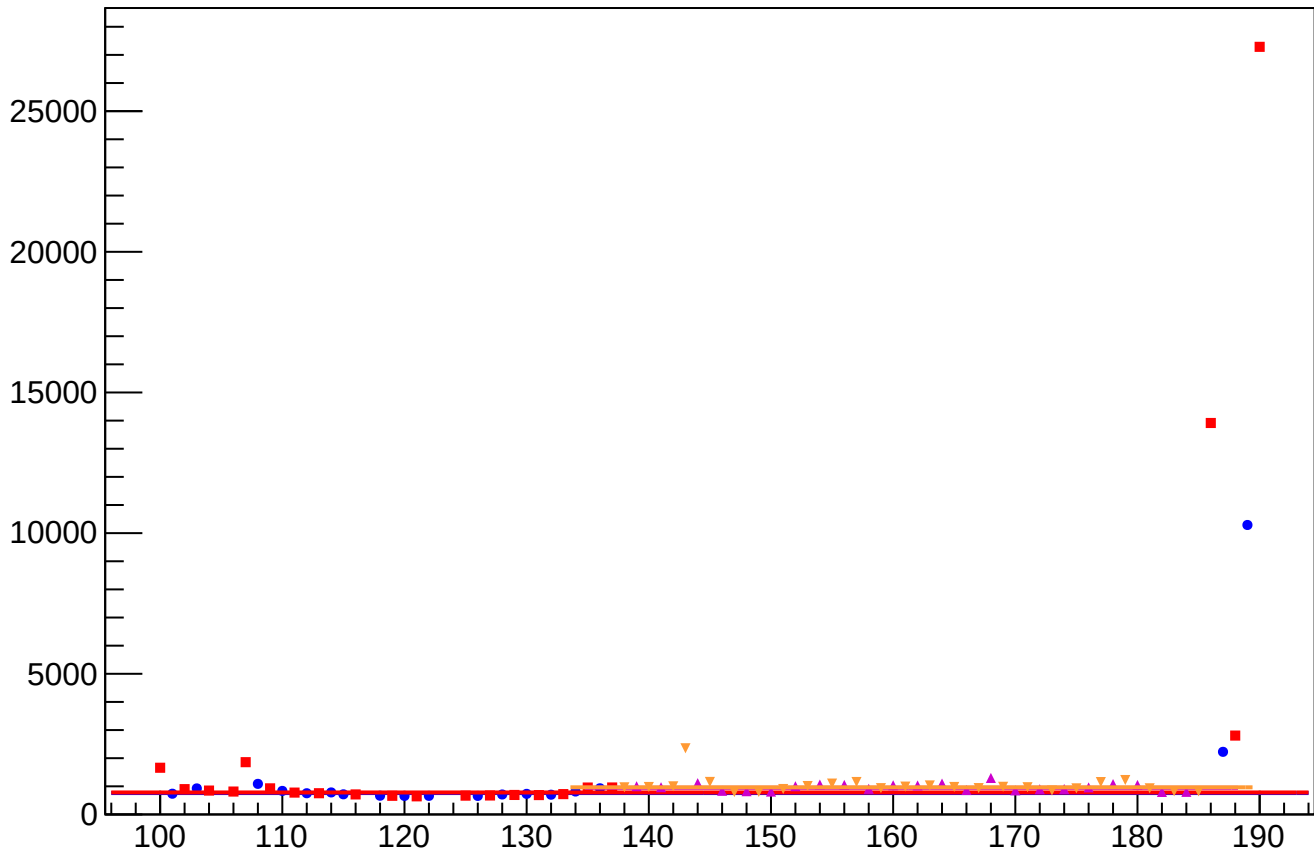
Left In: -941.702+/-228.324 χ^2/NDF : 14.8/22

+ sign 1152.417+/-180.550 χ^2/NDF : 51.0/42

All: 94.376+/-127.506 χ^2/NDF : 160.7/86

- sign -958.306+/-180.092 χ^2/NDF : 41.1/43

asym_left_avg_rms vs Slug



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

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

Right Out: 781.951+/-0.207 χ^2/NDF : 2322880.0/20

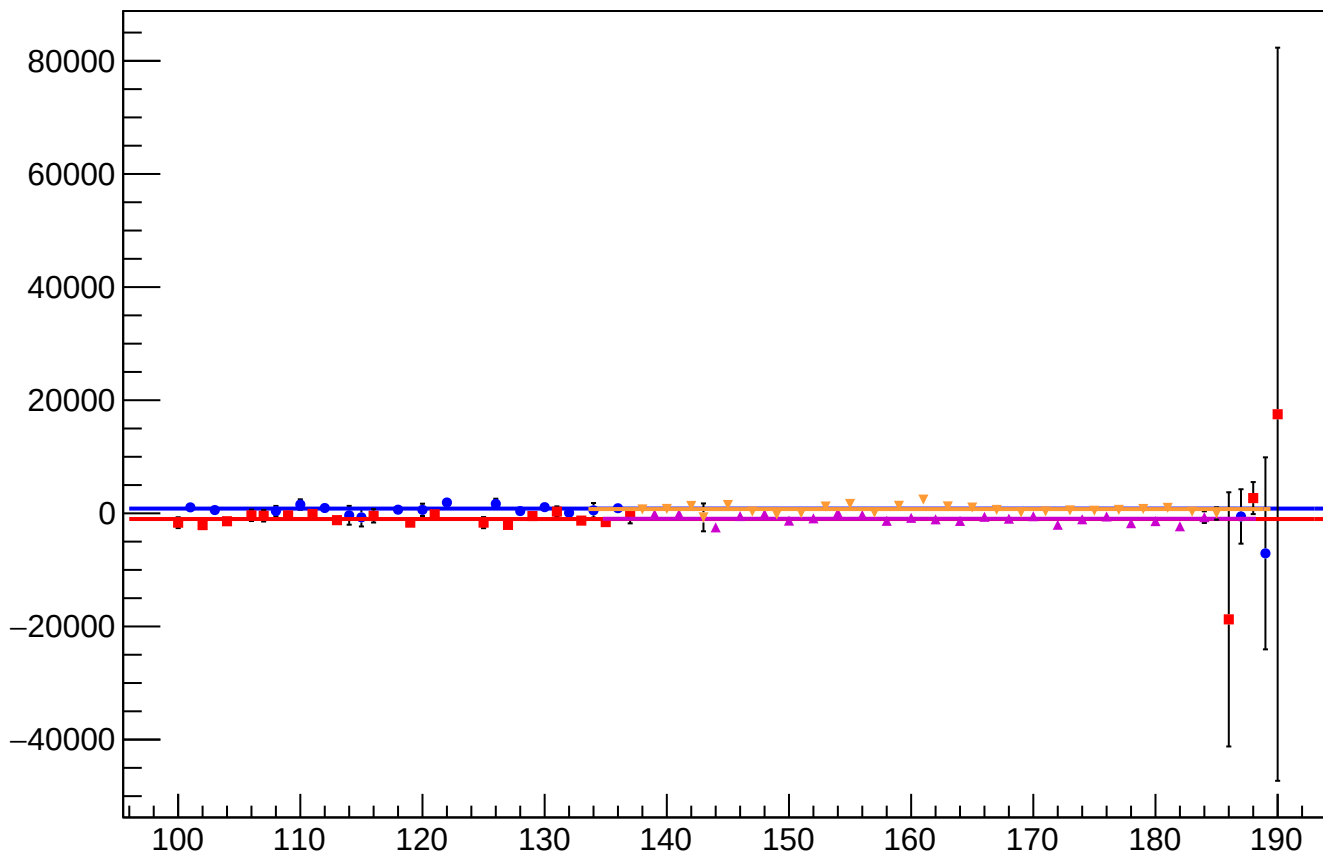
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

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

All: 886.411+/-0.090 χ^2/NDF : 5827163.3/86

- sign 884.369+/-0.127 χ^2/NDF : 3217102.1/43

reg_asym_left_dd_mean vs Slug



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

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

Right Out: -1004.368+/-207.659 χ^2/NDF : 14.8/20

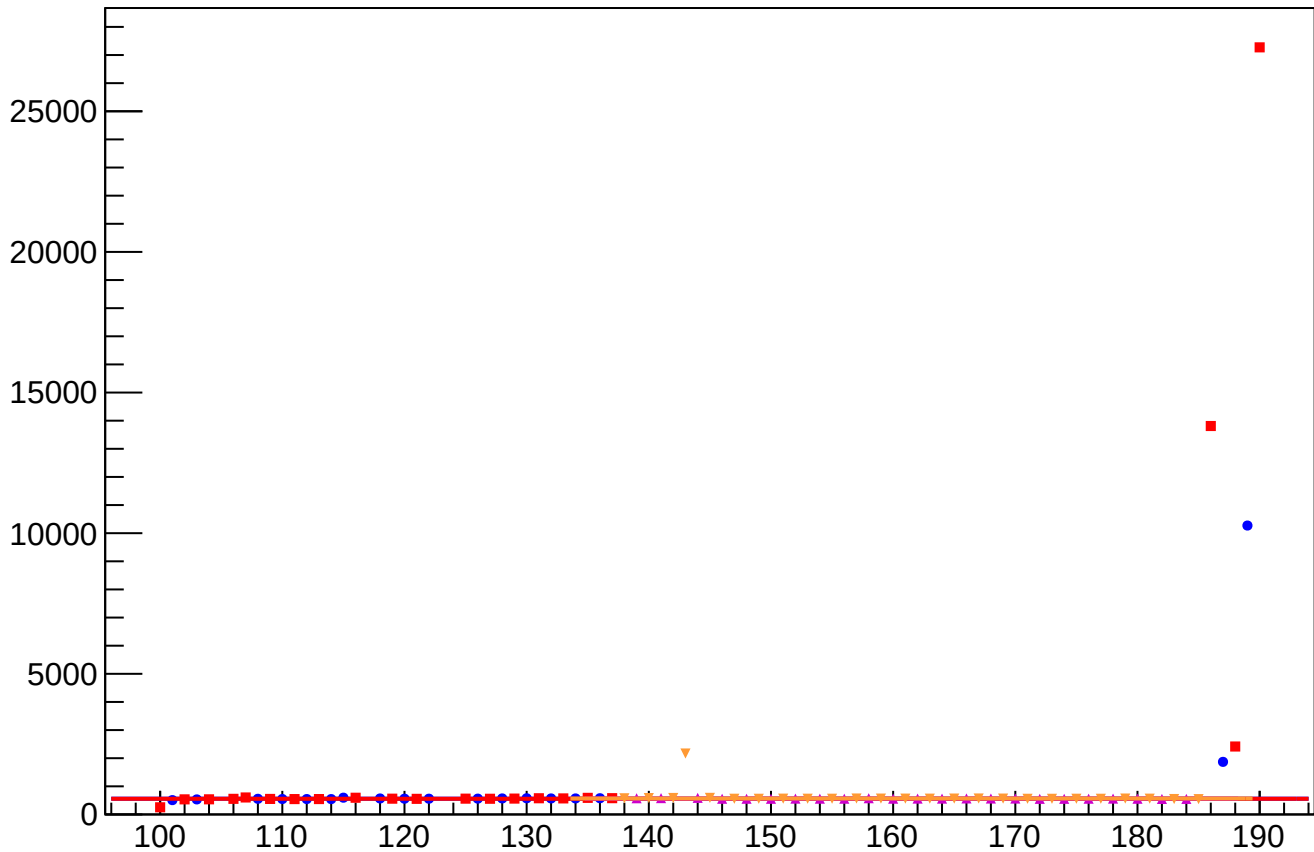
Left In: -958.517+/-134.824 χ^2/NDF : 26.8/22

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

All: -102.393+/-80.196 χ^2/NDF : 188.5/86

- sign -972.113+/-113.081 χ^2/NDF : 41.6/43

reg_asym_left_dd_rms vs Slug



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

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

Right Out: 557.626 $\pm$ 0.147 χ^2 /NDF: 2115838.7/20

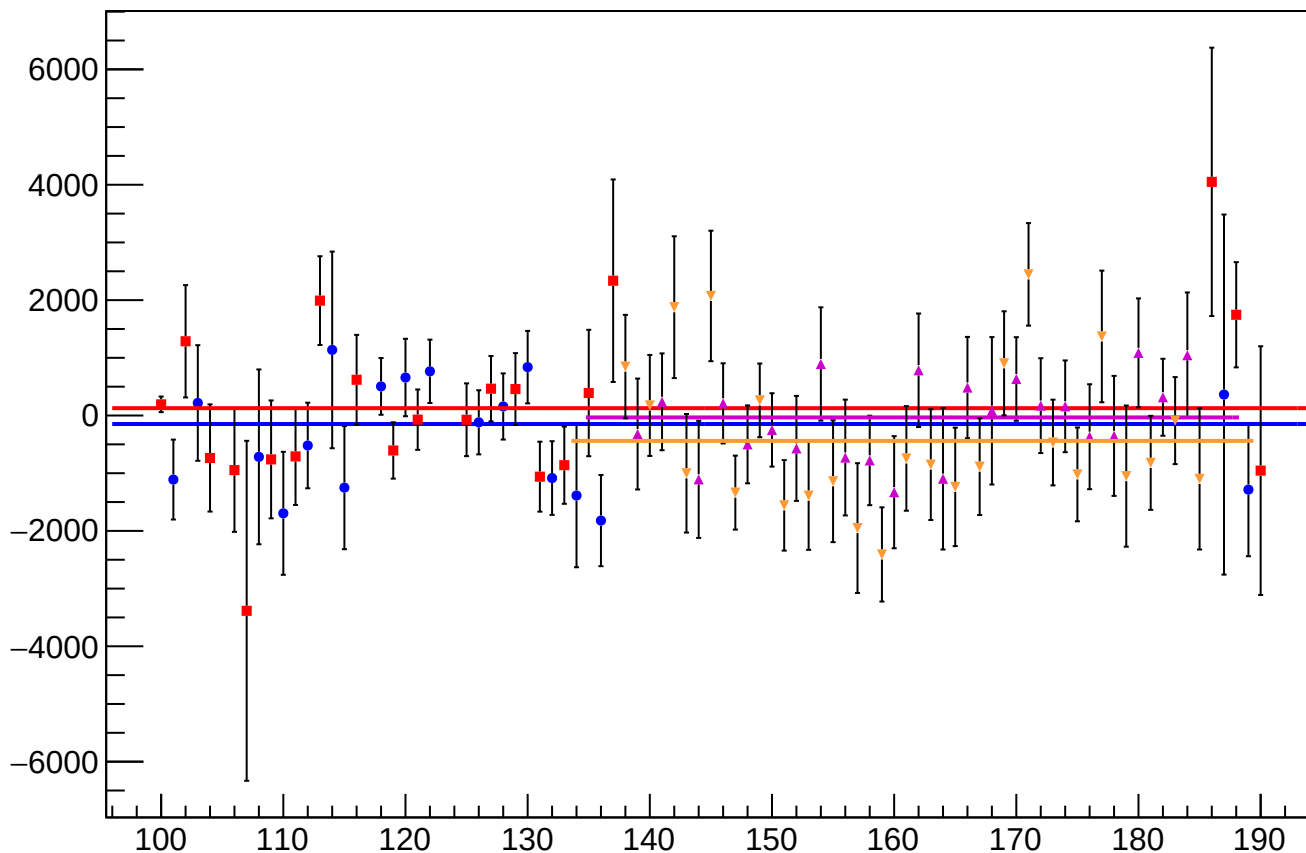
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

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

All: 564.150 $\pm$ 0.057 χ^2 /NDF: 3805698.0/86

- sign 562.064 $\pm$ 0.080 χ^2 /NDF: 2126341.4/43

asym_left_dd_correction_mean vs Slug



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

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

Right Out: 127.151+/-106.862 χ^2/NDF : 30.0/20

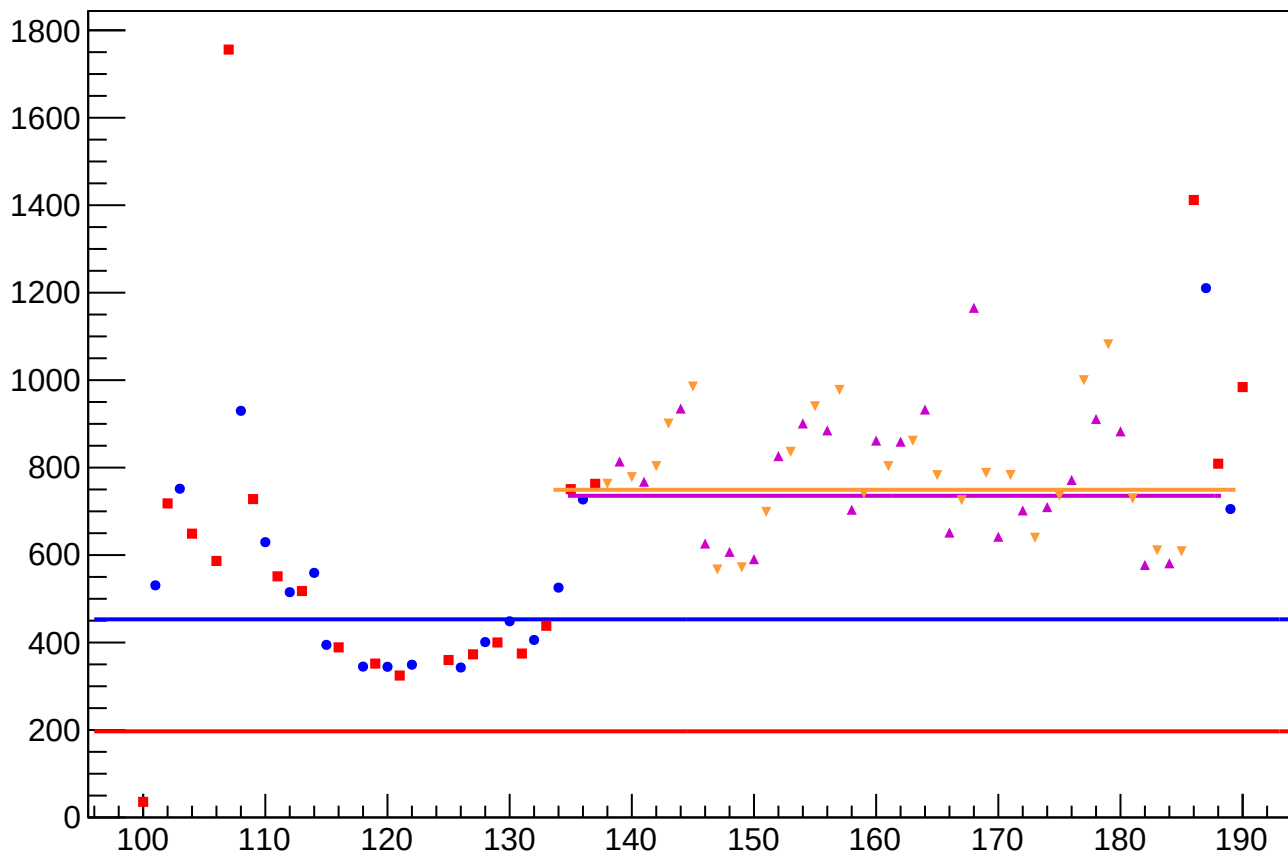
Left In: -33.325+/-179.355 χ^2/NDF : 12.1/22

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

All: -46.470+/-74.173 χ^2/NDF : 117.1/86

- sign 85.108+/-91.802 χ^2/NDF : 42.7/43

asym_left_dd_correction_rms vs Slug



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

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

Right Out: 196.972+/-0.076 χ^2/NDF : 9814601.1/20

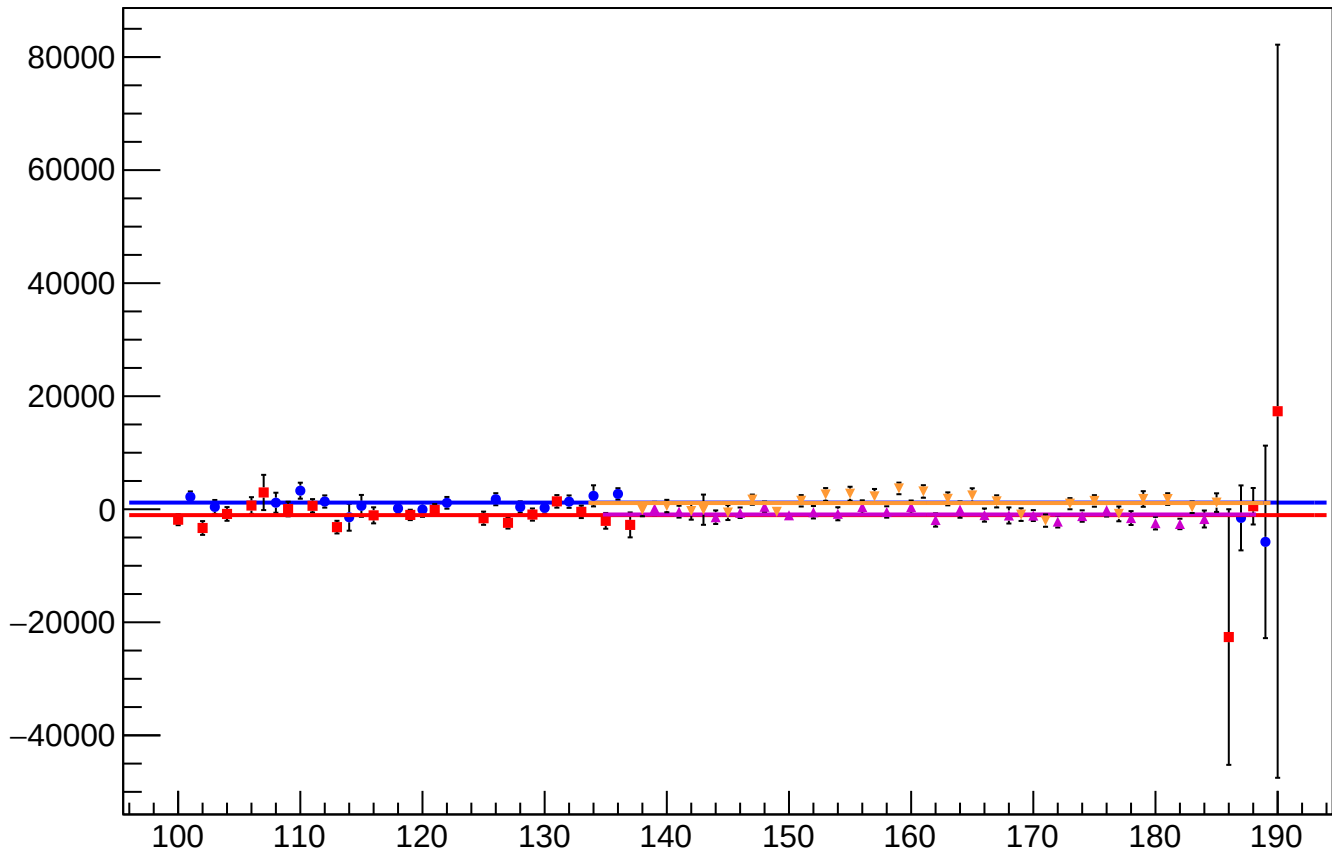
Left In: 735.543+/-0.127 χ^2/NDF : 1105222.3/22

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

All: 429.532+/-0.052 χ^2/NDF : 35040918.0/80

- sign 338.070+/-0.065 χ^2/NDF : 24229012.1/43

asym_left_dd_mean vs Slug



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

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

Right Out: -1038.722 $\pm$ 280.548 χ^2 /NDF: 23.7/20

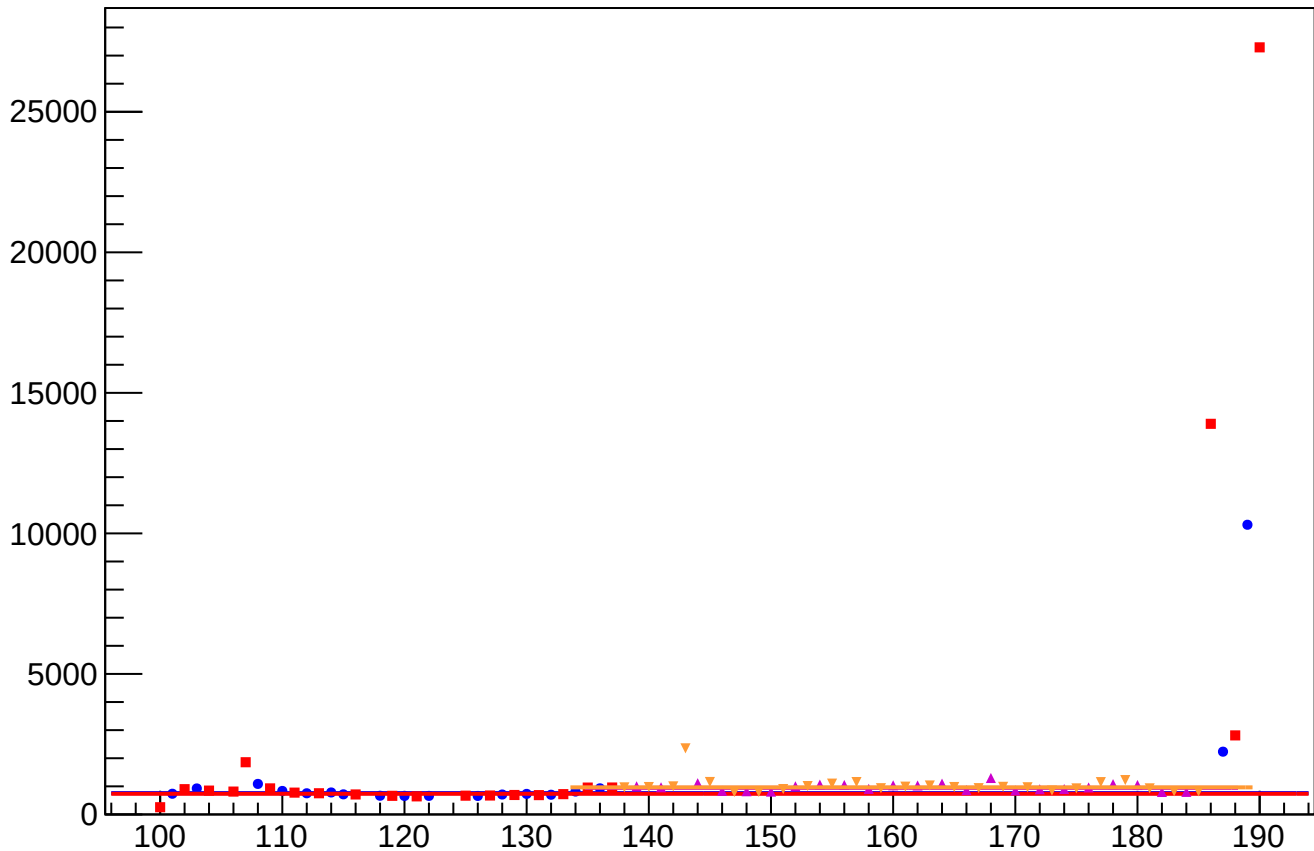
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

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

All: 57.860 $\pm$ 126.367 χ^2 /NDF: 158.3/86

- sign -971.052 $\pm$ 177.029 χ^2 /NDF: 38.9/43

asym_left_dd_rms vs Slug



Right In: 760.080 $\pm$ 0.209 χ^2 /NDF: 1011655.8/17

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

Right Out: 735.662 $\pm$ 0.198 χ^2 /NDF: 2818992.2/20

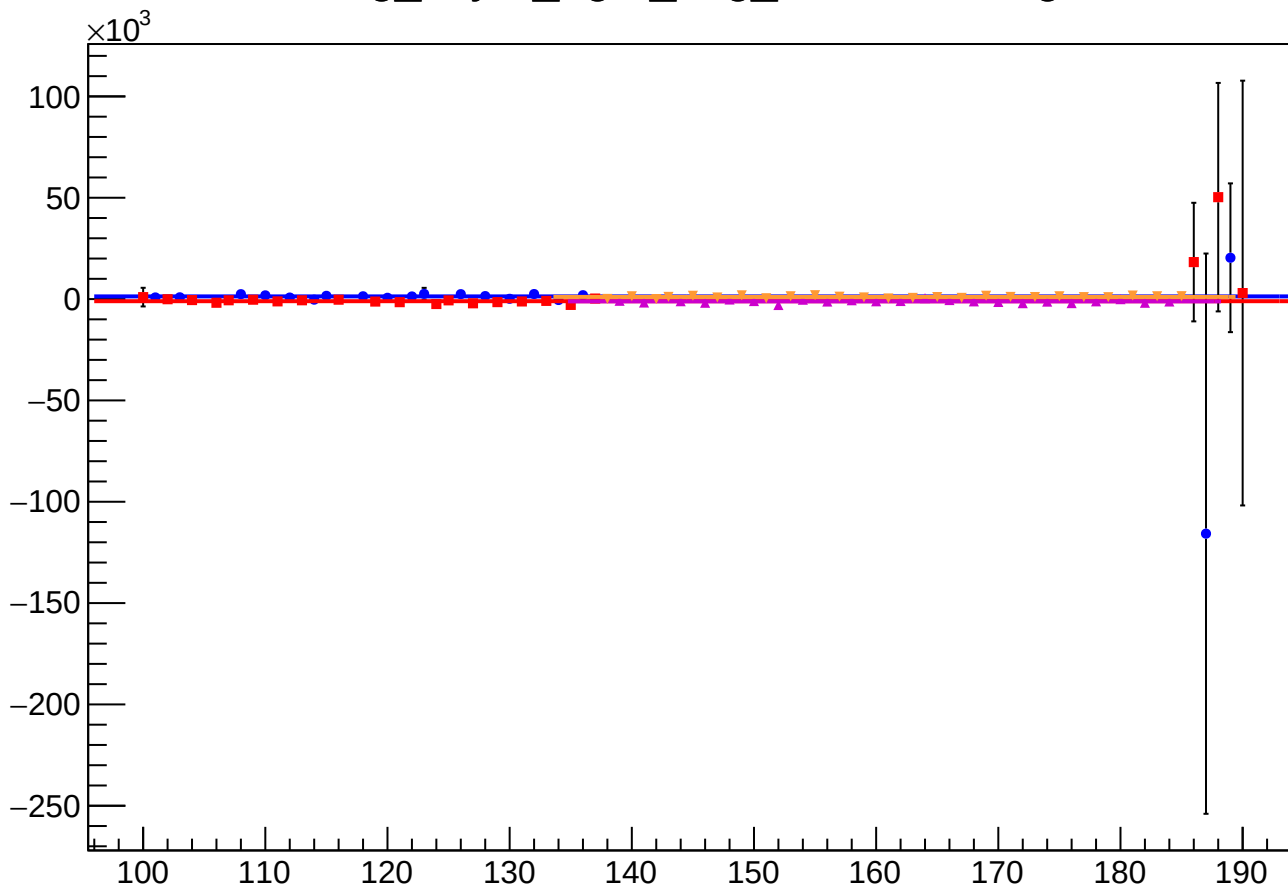
Left In: 946.041 $\pm$ 0.161 χ^2 /NDF:501442.7/22

+ sign 887.904 $\pm$ 0.128 χ^2 /NDF: 2611731.8/42

All: 874.844 $\pm$ 0.089 χ^2 /NDF: 6629576.2/86

- sign 862.273 $\pm$ 0.125 χ^2 /NDF: 3997282.2/43

reg_asym_right_avg_mean vs Slug



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: -1038.744 $\pm$ 212.072 χ^2 /NDF: 14.8/21

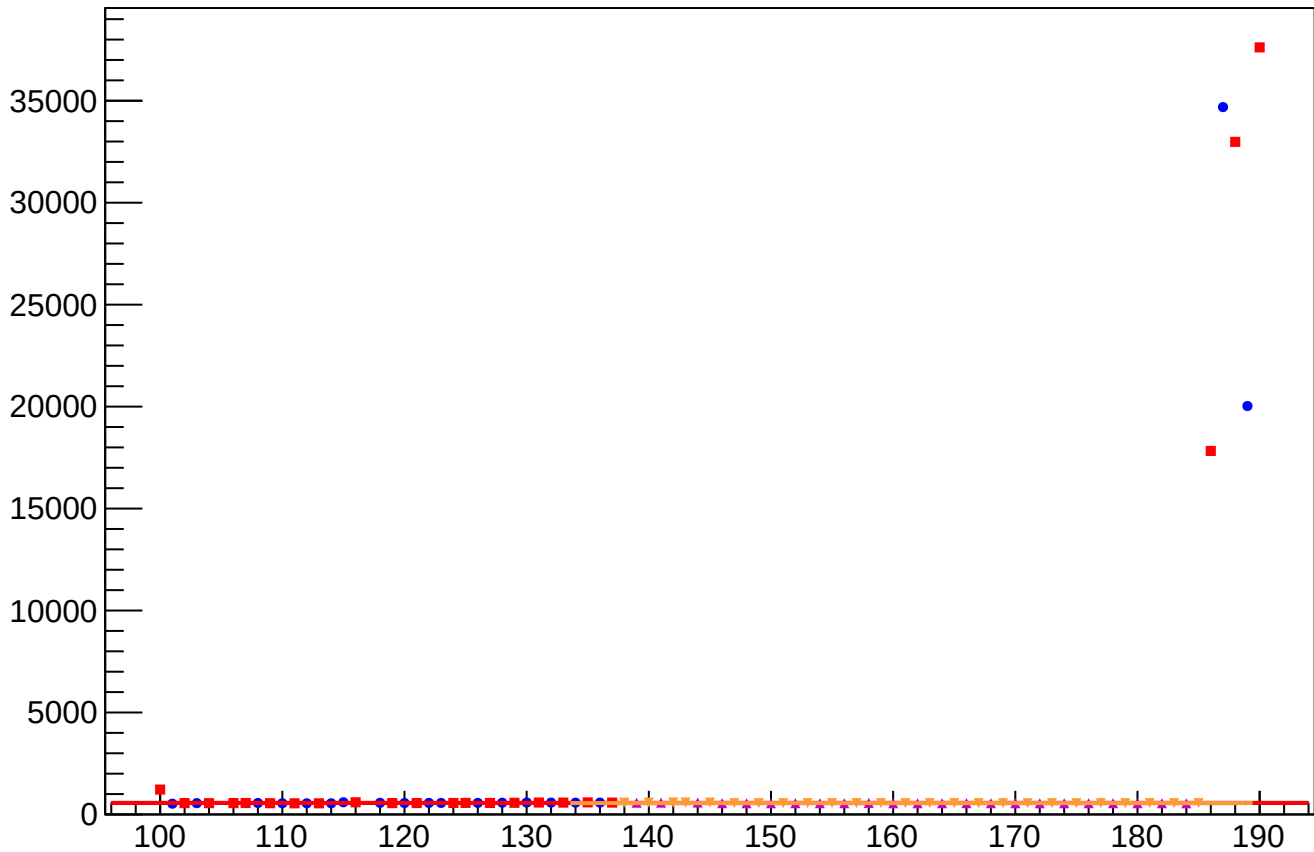
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

+ sign 1138.923 $\pm$ 111.537 χ^2 /NDF: 29.9/43

All: 31.914 $\pm$ 79.302 χ^2 /NDF: 274.0/88

- sign -1099.788 $\pm$ 112.774 χ^2 /NDF: 44.9/44

reg_asym_right_avg_rms vs Slug



Right In: 564.305+/-0.155 χ^2/NDF : 705889.2/18

Left Out: 557.534+/-0.092 χ^2/NDF : 14752.8/24

Right Out: 566.864+/-0.150 χ^2/NDF : 1685991.1/21

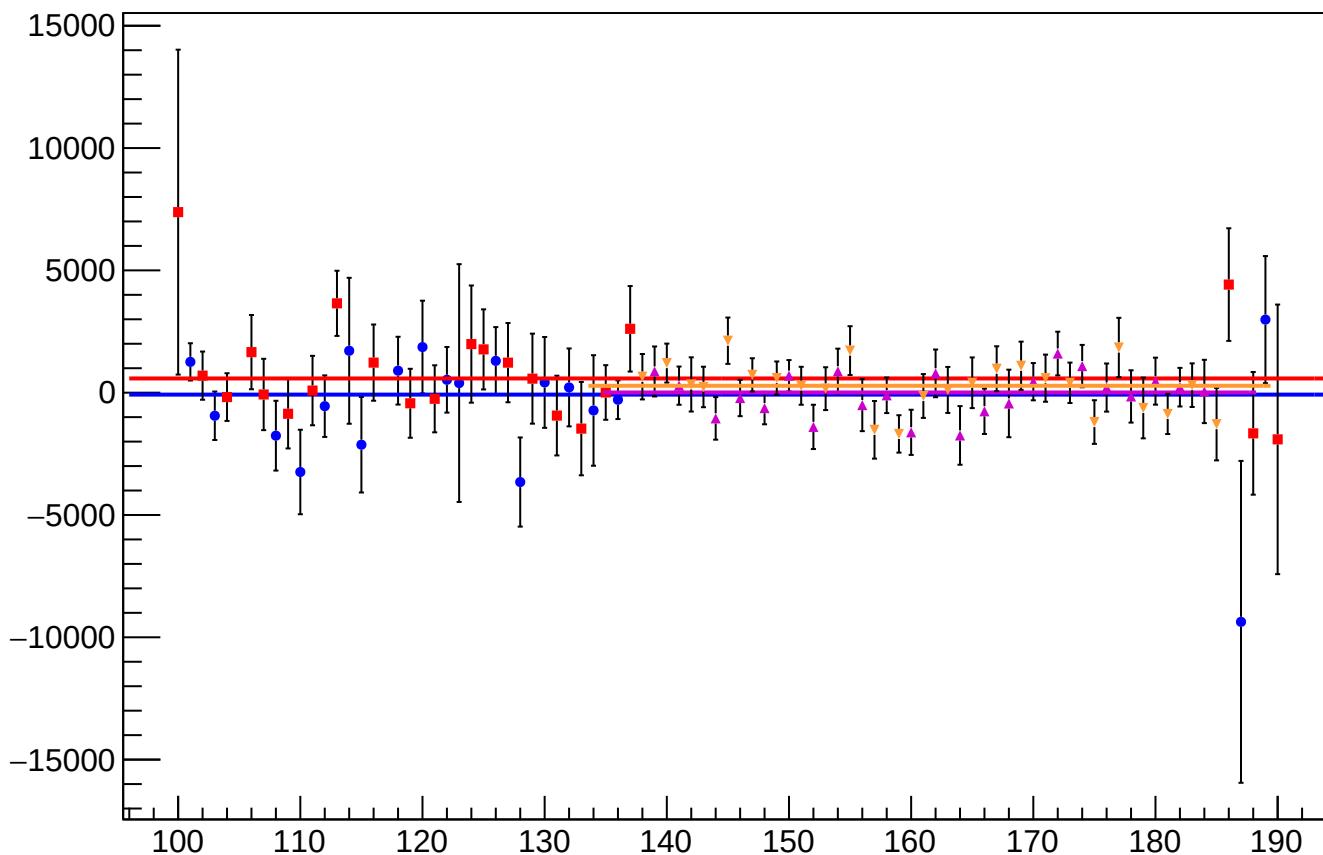
Left In: 556.969+/-0.094 χ^2/NDF : 11209.7/22

+ sign 559.297+/-0.079 χ^2/NDF : 722061.4/43

All: 559.529+/-0.056 χ^2/NDF : 2422402.6/88

- sign 559.767+/-0.080 χ^2/NDF : 1700323.7/44

asym_right_avg_correction_mean vs Slug



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

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

Right Out: 581.269 ± 326.168 χ^2/NDF : 18.4/21

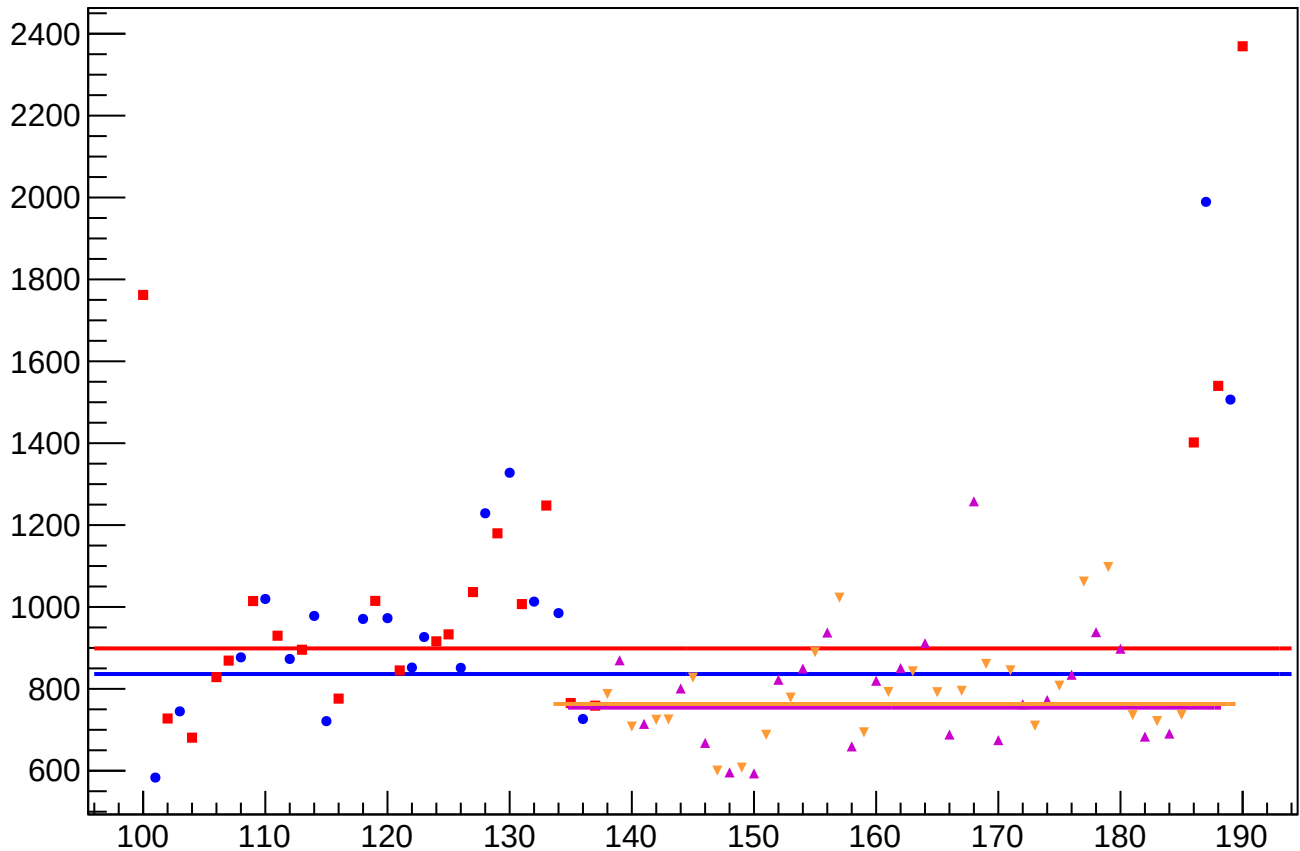
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

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

All: 171.745 ± 112.291 χ^2/NDF : 89.0/88

- sign 145.849 ± 159.849 χ^2/NDF : 40.9/44

asym_right_avg_correction_rms vs Slug



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

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

Right Out: 898.823 $\pm$ 0.231 χ^2 /NDF: 790470.9/21

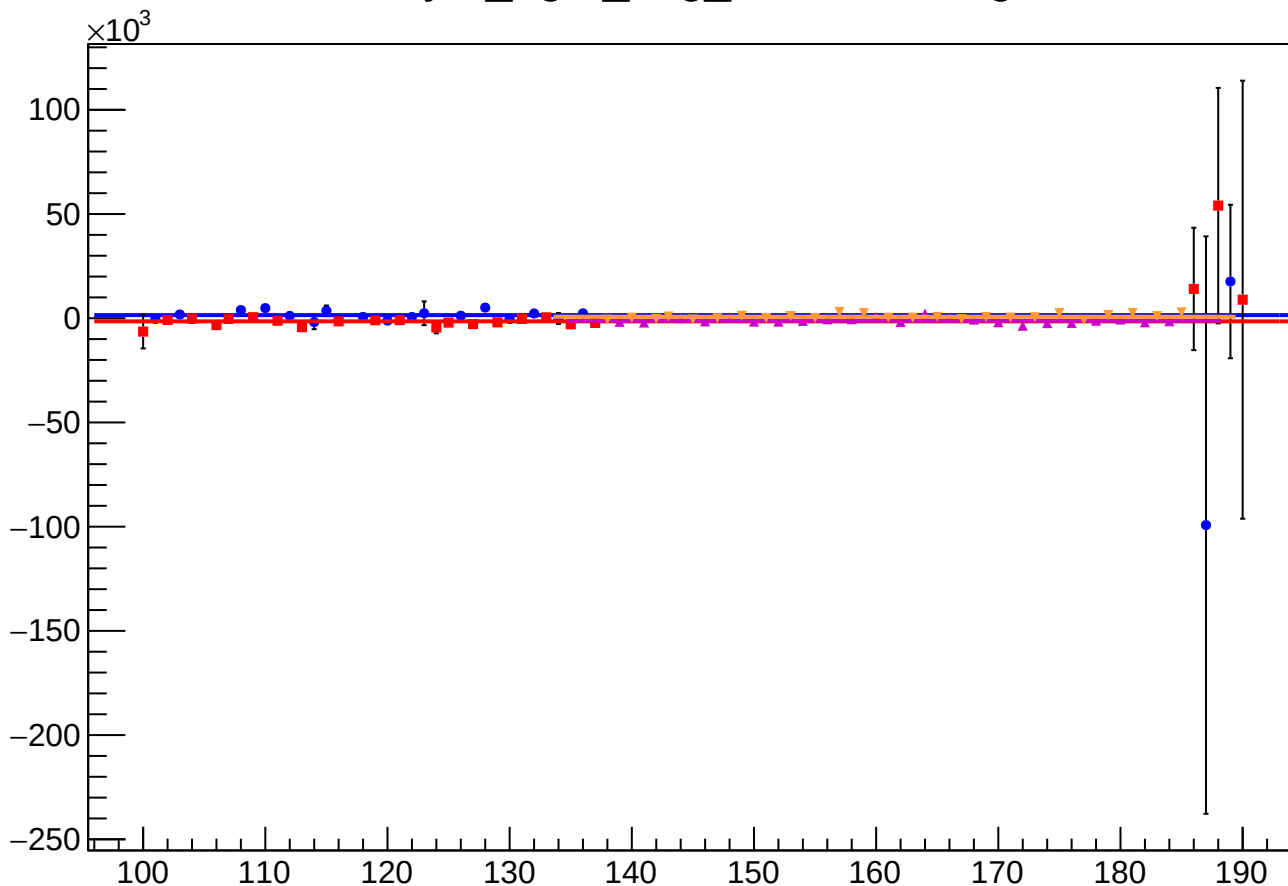
Left In: 754.099 $\pm$ 0.130 χ^2 /NDF: 931829.3/22

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

All: 784.522 $\pm$ 0.079 χ^2 /NDF: 3660208.3/88

- sign 788.859 $\pm$ 0.113 χ^2 /NDF: 2021484.1/44

asym_right_avg_mean vs Slug



Right In: 1499.046 ± 402.641 χ^2/NDF : 17.8/18

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

Right Out: -1481.911 ± 400.668 χ^2/NDF : 13.3/21

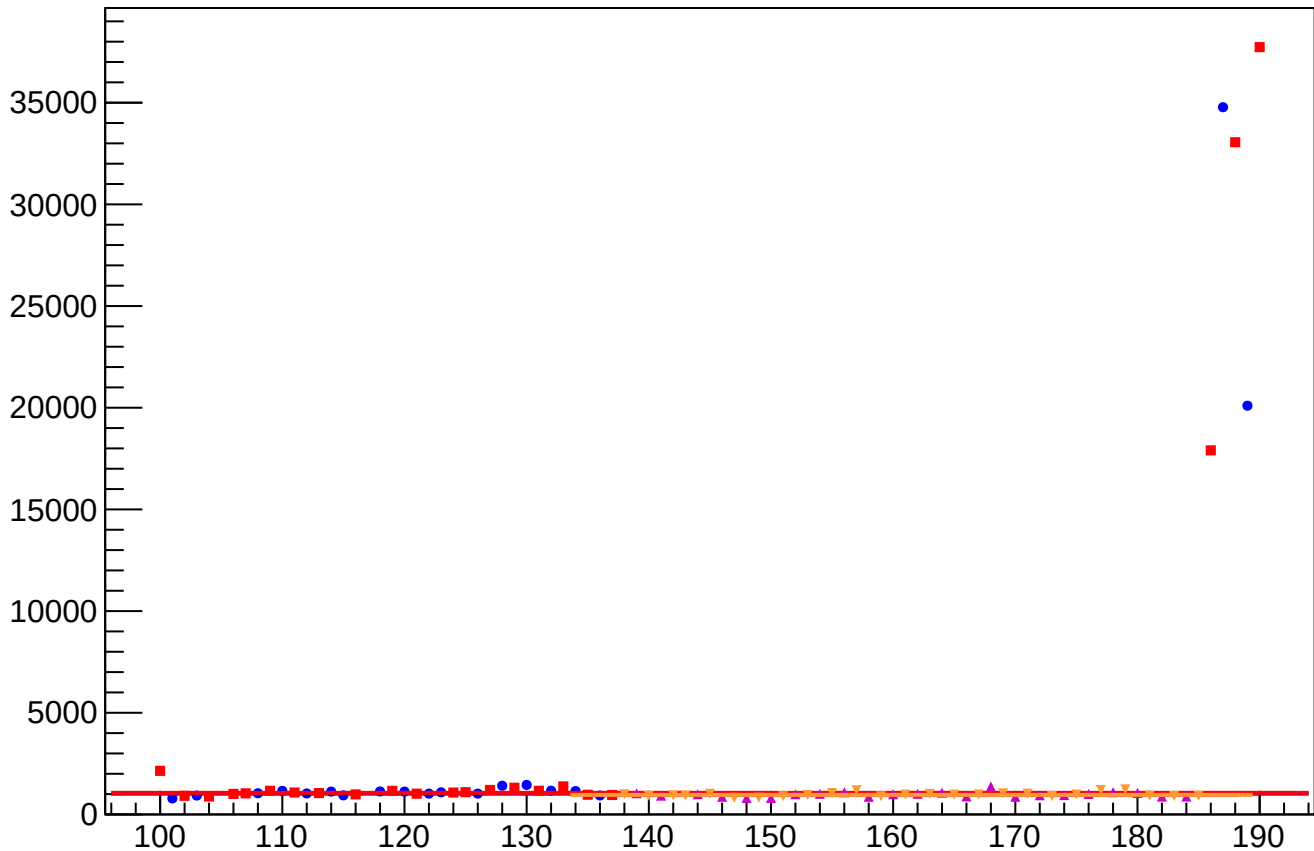
Left In: -1124.587 ± 230.065 χ^2/NDF : 25.4/22

+ sign 921.005 ± 196.769 χ^2/NDF : 42.1/43

All: -131.312 ± 140.097 χ^2/NDF : 139.3/88

- sign -1213.188 ± 199.513 χ^2/NDF : 39.2/44

asym_right_avg_rms vs Slug



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

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

Right Out: 1063.247+/-0.283 χ^2/NDF : 1803679.4/21

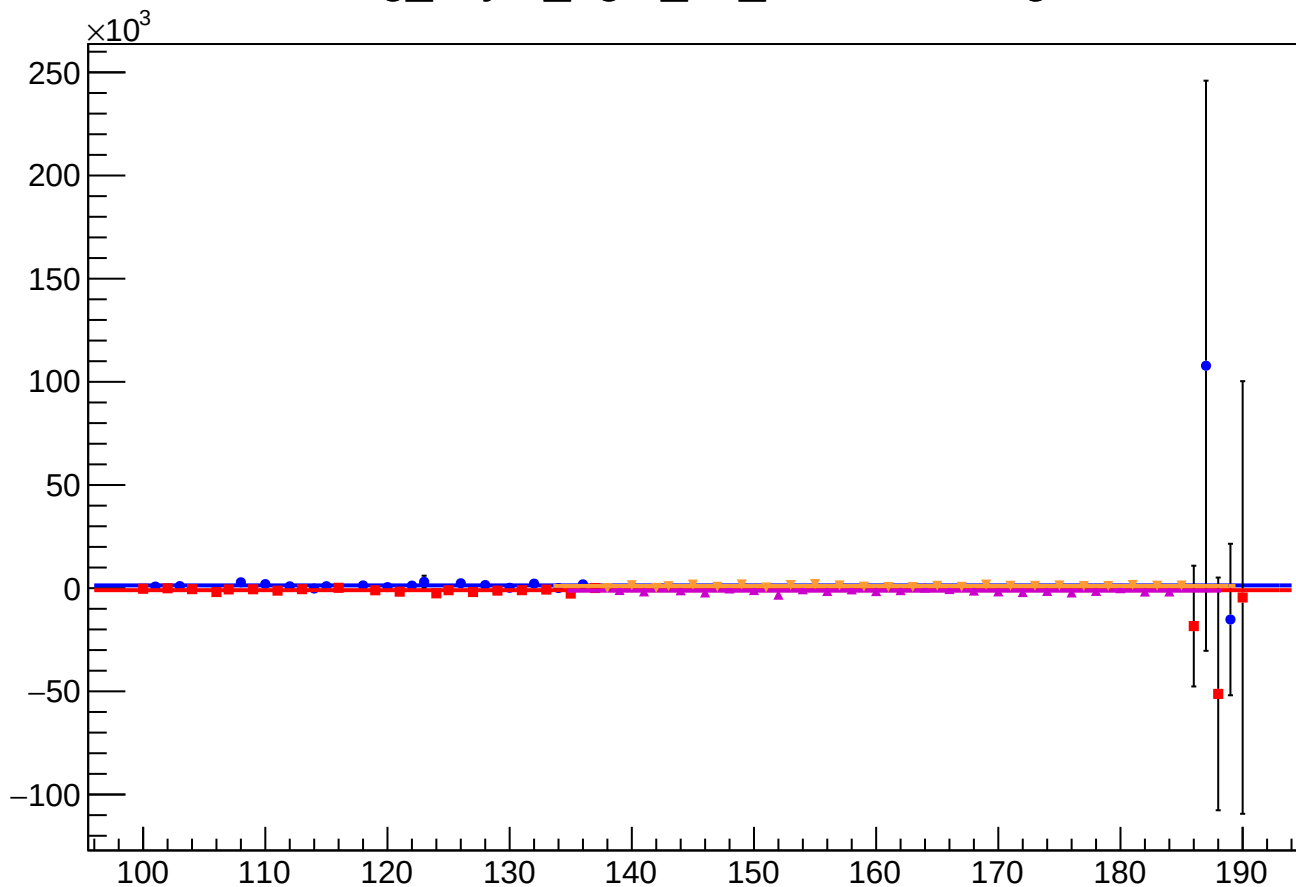
Left In: 954.643+/-0.163 χ^2/NDF : 443395.0/22

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

All: 979.328+/-0.099 χ^2/NDF : 3758057.3/88

- sign 981.572+/-0.141 χ^2/NDF : 2357581.9/44

reg_asym_right_dd_mean vs Slug



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: -967.025 $\pm$ 208.607 χ^2 /NDF: 13.4/21

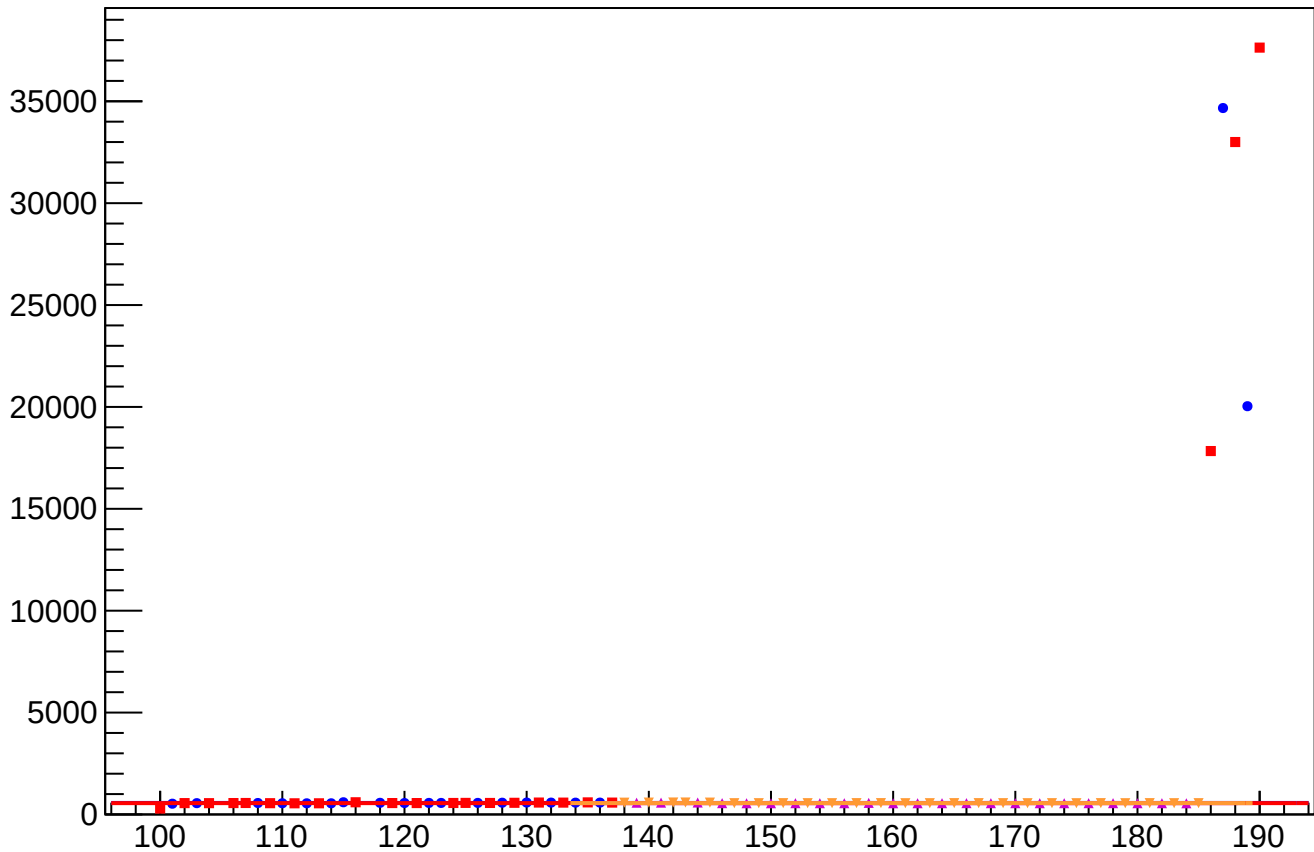
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.639 $\pm$ 111.655 χ^2 /NDF: 28.8/43

All: 21.744 $\pm$ 79.191 χ^2 /NDF: 282.2/88

- sign -1124.974 $\pm$ 112.334 χ^2 /NDF: 46.3/44

reg_asym_right_dd_rms vs Slug



Right In: 564.959 $\pm$ 0.155 χ^2 /NDF: 705966.4/18

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

Right Out: 555.950 $\pm$ 0.148 χ^2 /NDF: 1770733.6/21

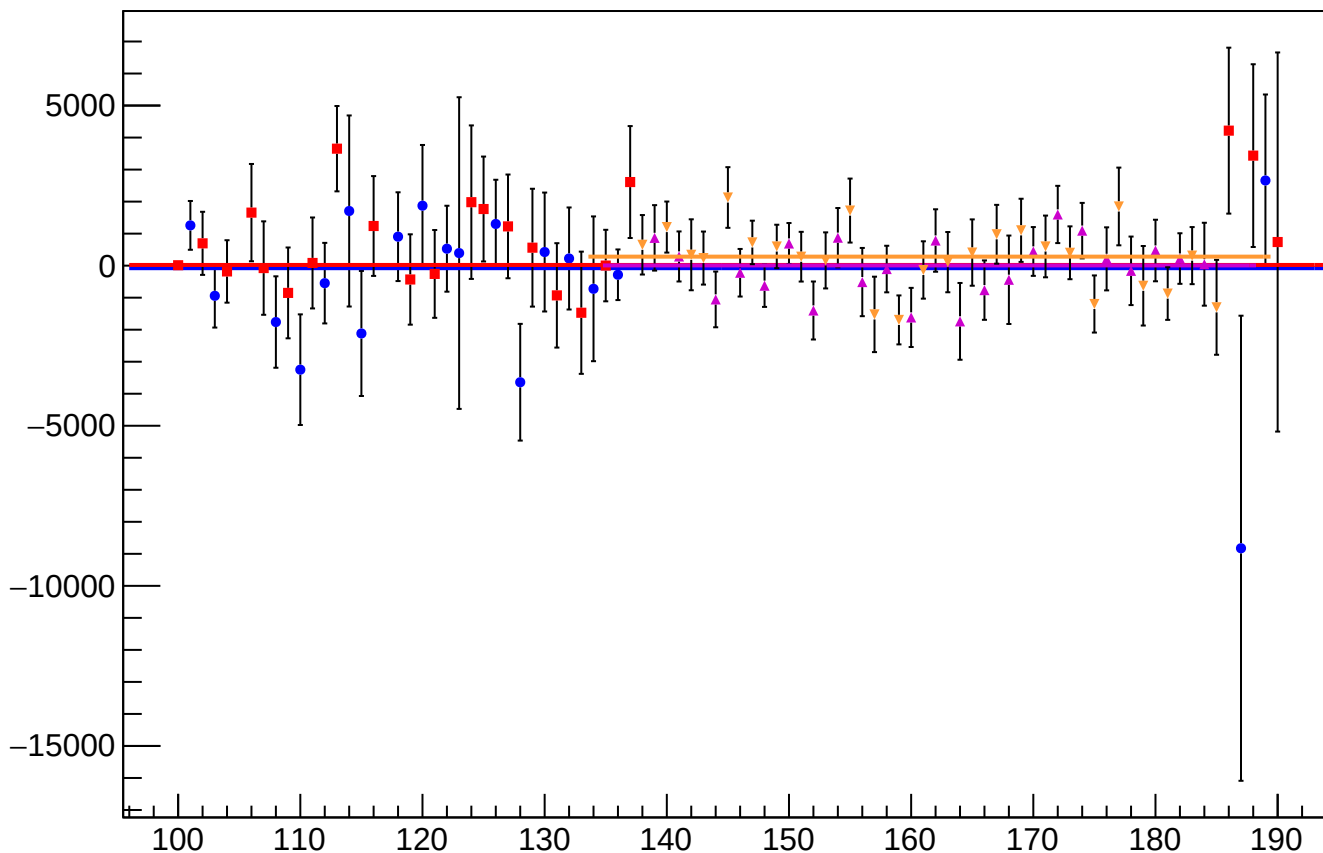
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF: 11276.8/22

+ sign 559.885 $\pm$ 0.079 χ^2 /NDF: 722205.4/43

All: 558.510 $\pm$ 0.056 χ^2 /NDF: 2504914.1/88

- sign 557.119 $\pm$ 0.079 χ^2 /NDF: 1782098.9/44

asym_right_dd_correction_mean vs Slug



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

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

Right Out: 21.695 ± 38.946 χ^2/NDF : 19.9/21

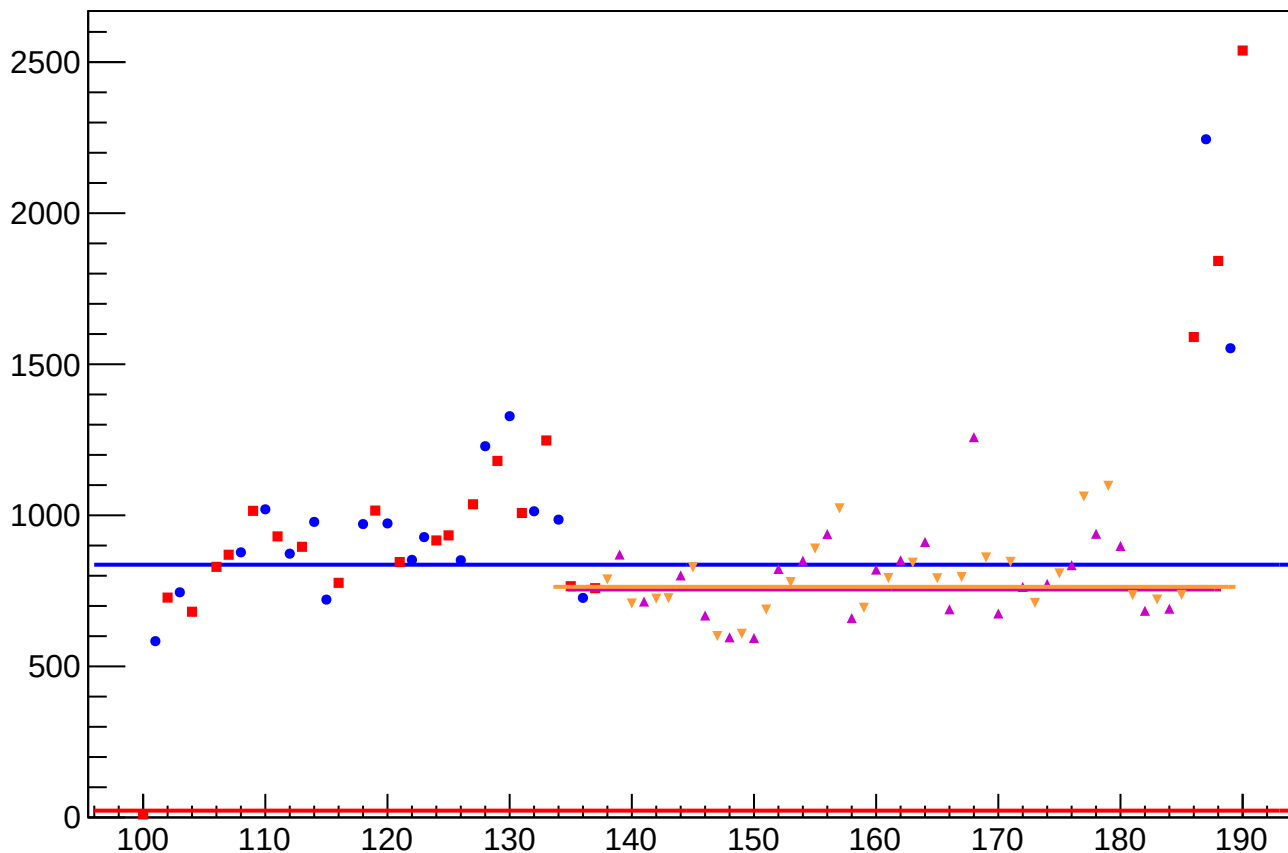
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

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

All: 30.736 ± 37.034 χ^2/NDF : 88.5/88

- sign 21.074 ± 38.097 χ^2/NDF : 40.1/44

asym_right_dd_correction_rms vs Slug



Right In: 836.508+/-0.230 χ^2/NDF : 827671.7/18

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

Right Out: 22.573+/-0.028 χ^2/NDF : 15385097.0/21

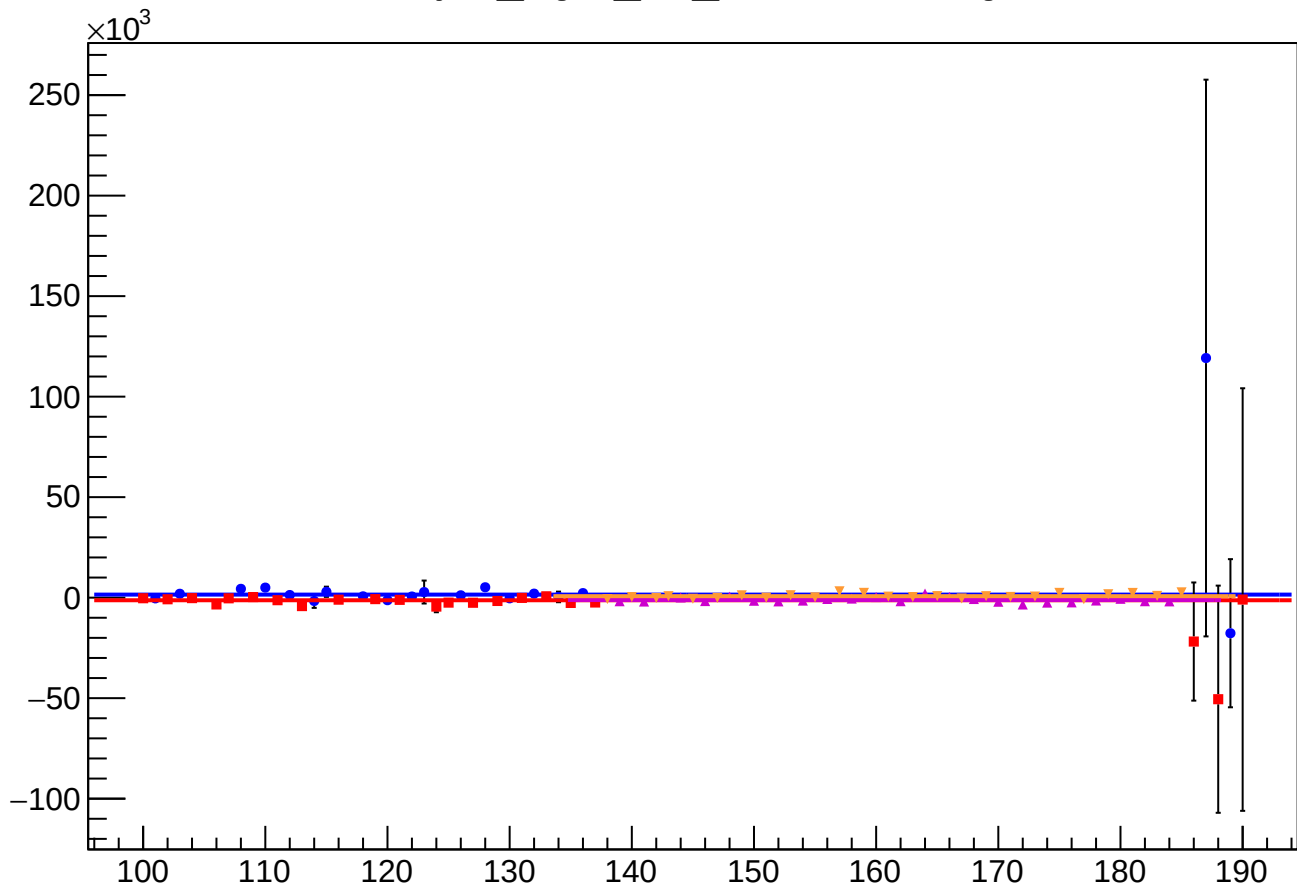
Left In: 754.483+/-0.130 χ^2/NDF : 931536.8/22

+ sign 780.510+/-0.112 χ^2/NDF : 1658726.6/43

All: 94.113+/-0.026 χ^2/NDF : 88449728.7/88

- sign 54.131+/-0.027 χ^2/NDF : 46771652.4/44

asym_right_dd_mean vs Slug



Right In: 1518.185 ± 402.864 χ^2/NDF : 18.8/18

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

Right Out: -1293.094 ± 376.637 χ^2/NDF : 13.6/21

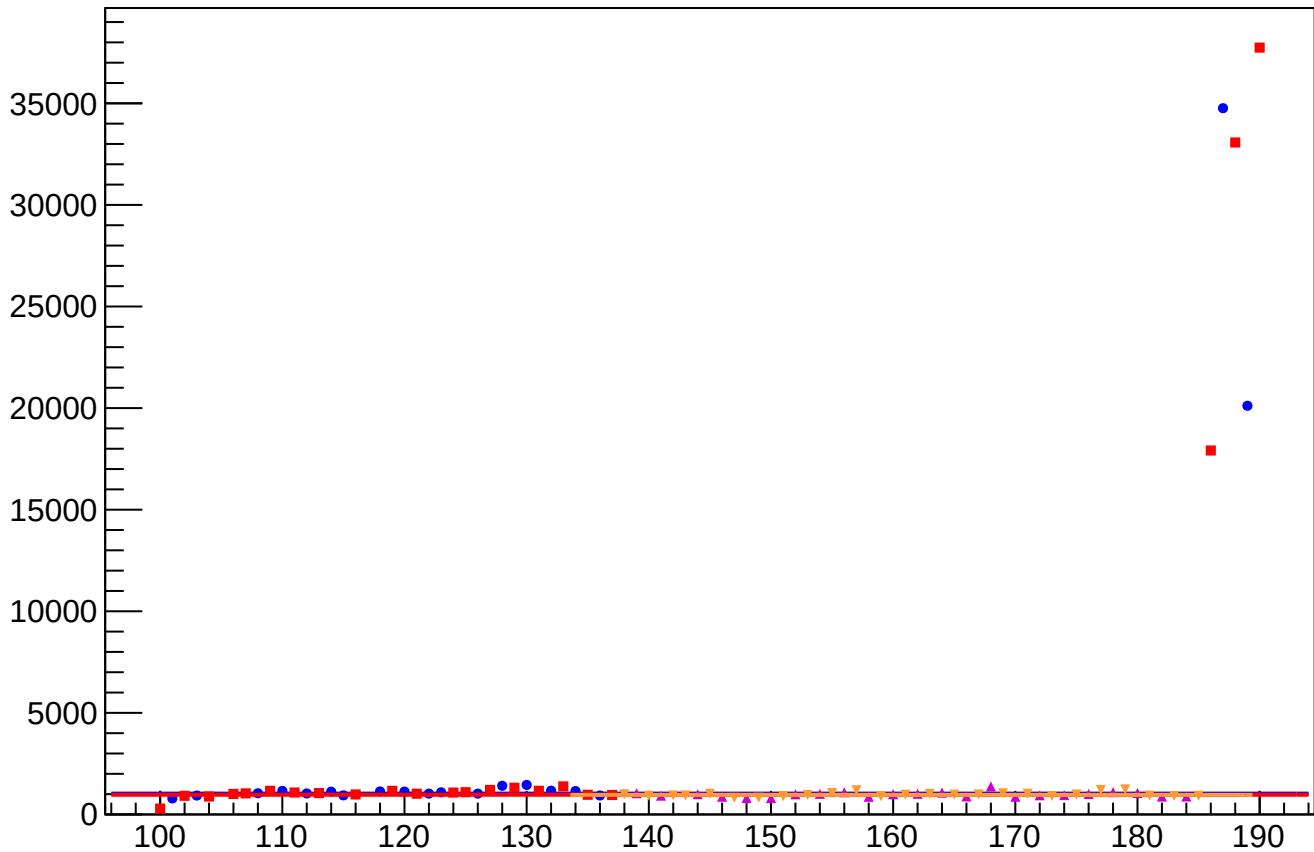
Left In: -1176.288 ± 230.229 χ^2/NDF : 24.2/22

+ sign 927.996 ± 196.877 χ^2/NDF : 41.9/43

All: -142.427 ± 139.057 χ^2/NDF : 138.8/88

- sign -1208.061 ± 196.436 χ^2/NDF : 37.9/44

asym_right_dd_rms vs Slug



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

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

Right Out: 968.891+/-0.266 χ^2/NDF : 2652556.9/21

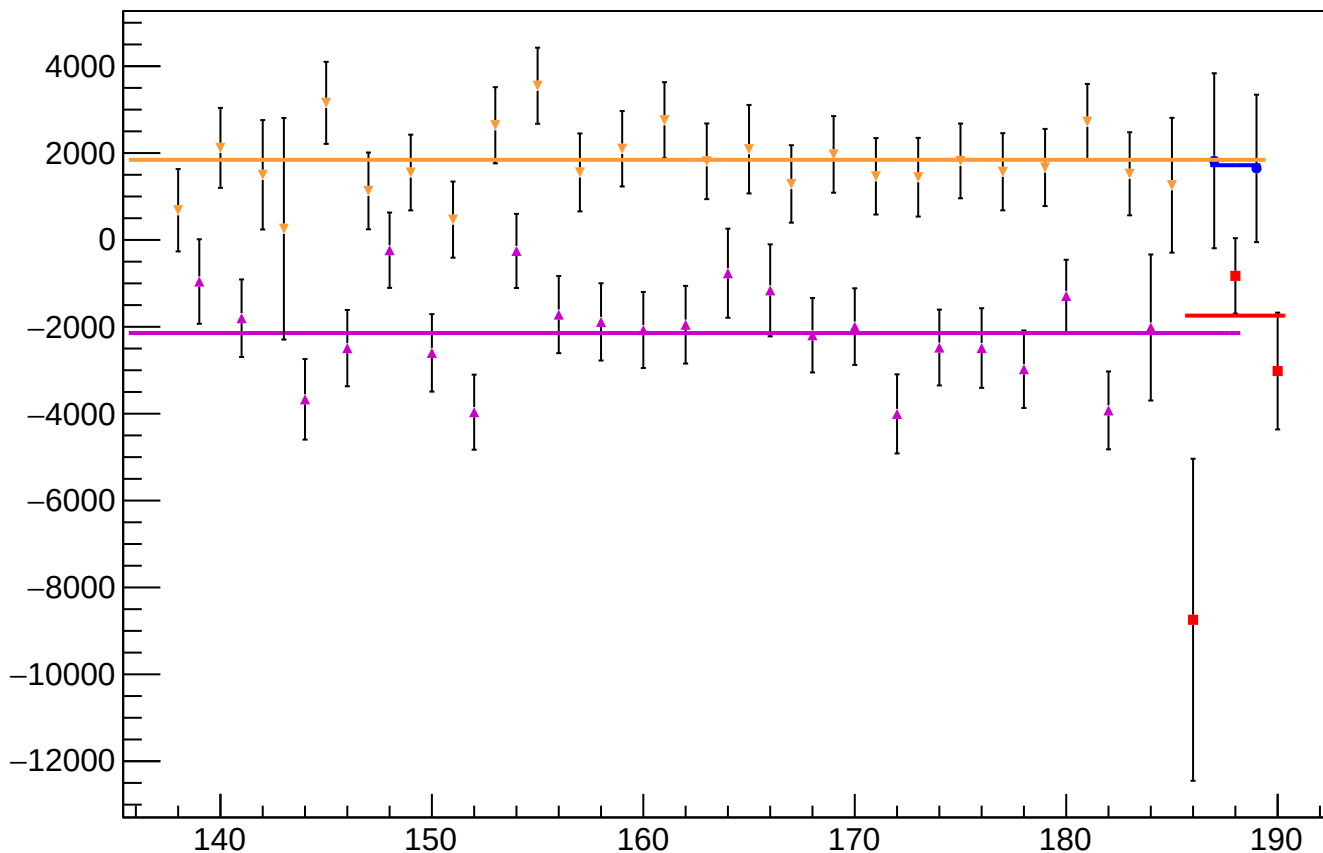
Left In: 955.331+/-0.163 χ^2/NDF : 443068.5/22

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

All: 968.328+/-0.098 χ^2/NDF : 4506344.8/88

- sign 959.019+/-0.139 χ^2/NDF : 3097512.7/44

cor_asym_us_avg_mean vs Slug



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

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

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

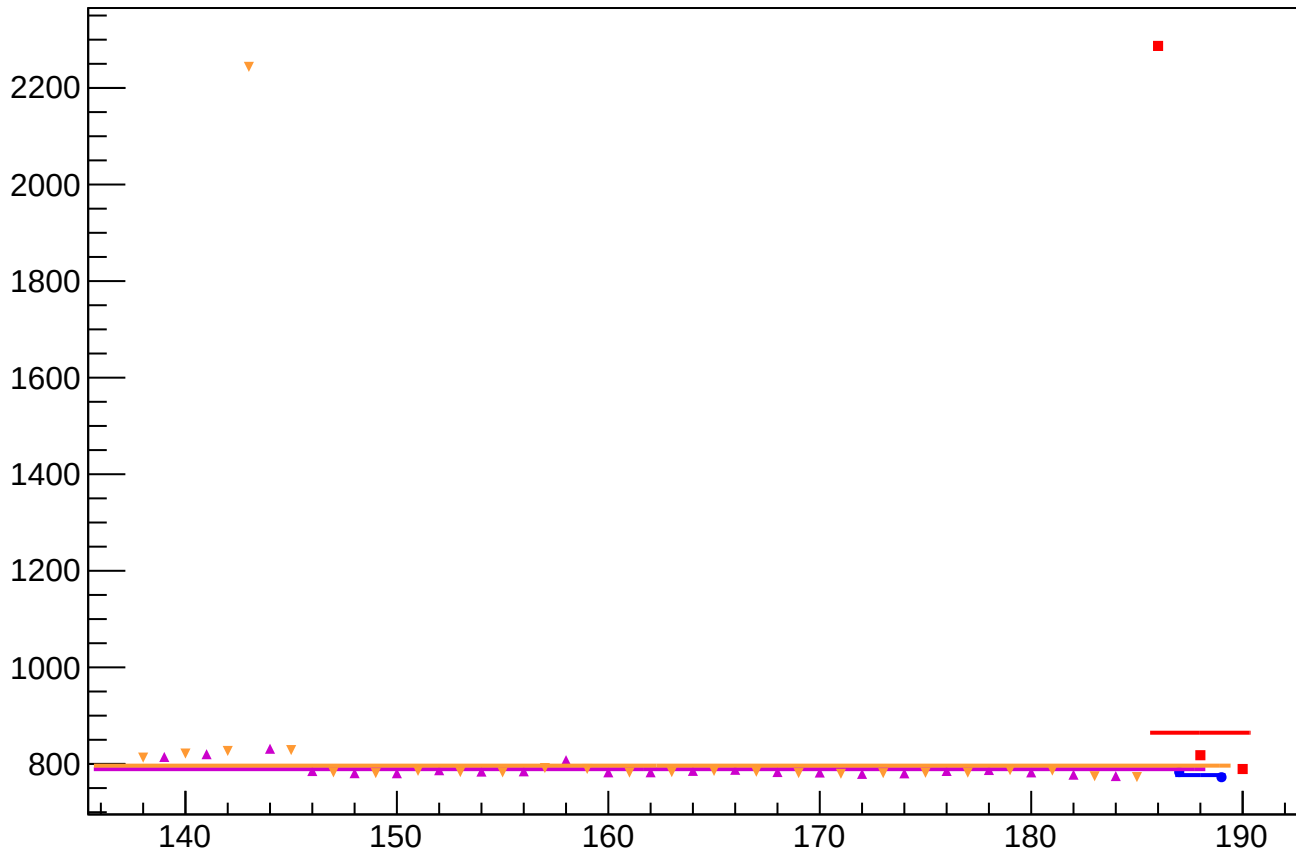
Left In: -2143.254+/-190.144 χ^2/NDF :32.4/22

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

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

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

cor_asym_us_avg_rms vs Slug



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

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

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

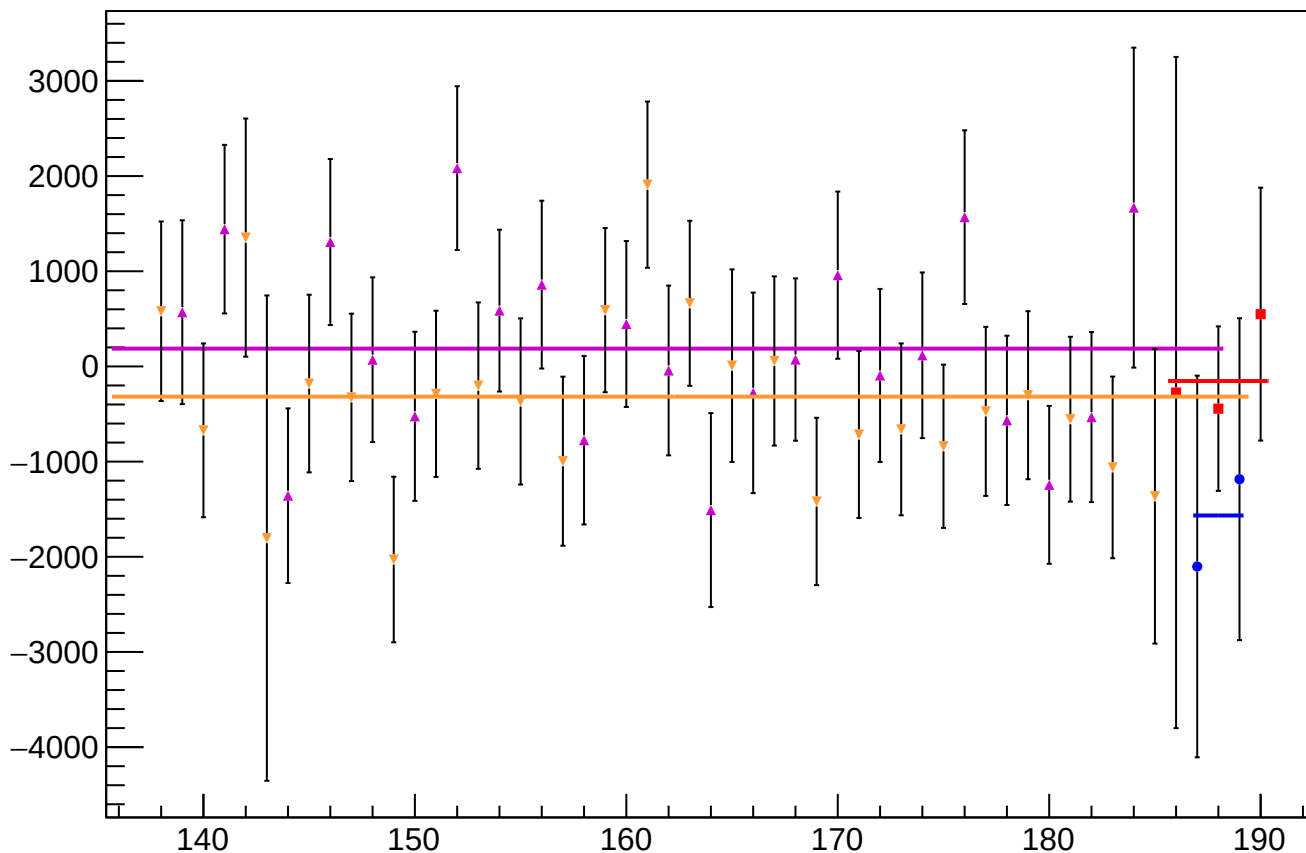
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

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

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

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

cor_asym_us_dd_mean vs Slug



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

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

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

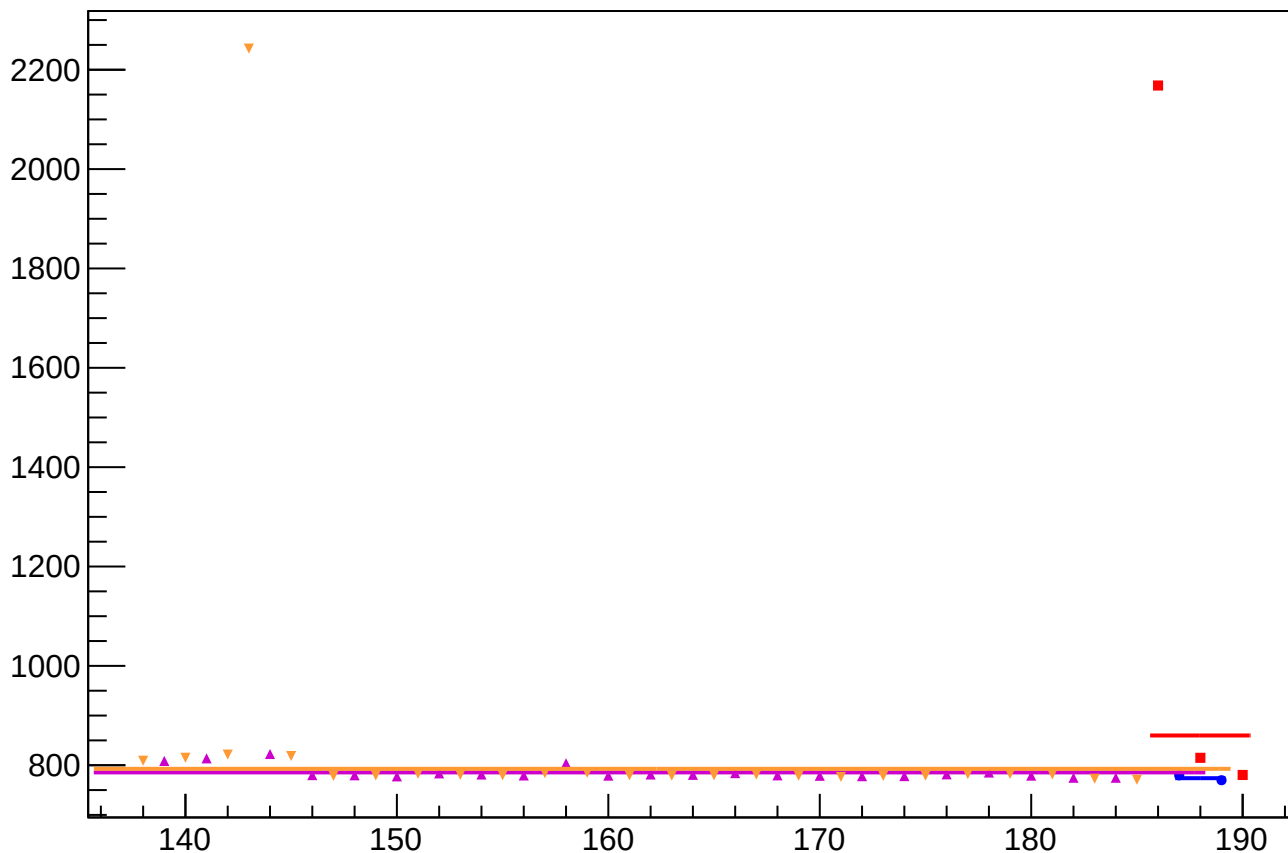
Left In: 187.105+/-189.265 χ^2/NDF : 25.6/22

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

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

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

cor_asym_us_dd_rms vs Slug



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

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

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

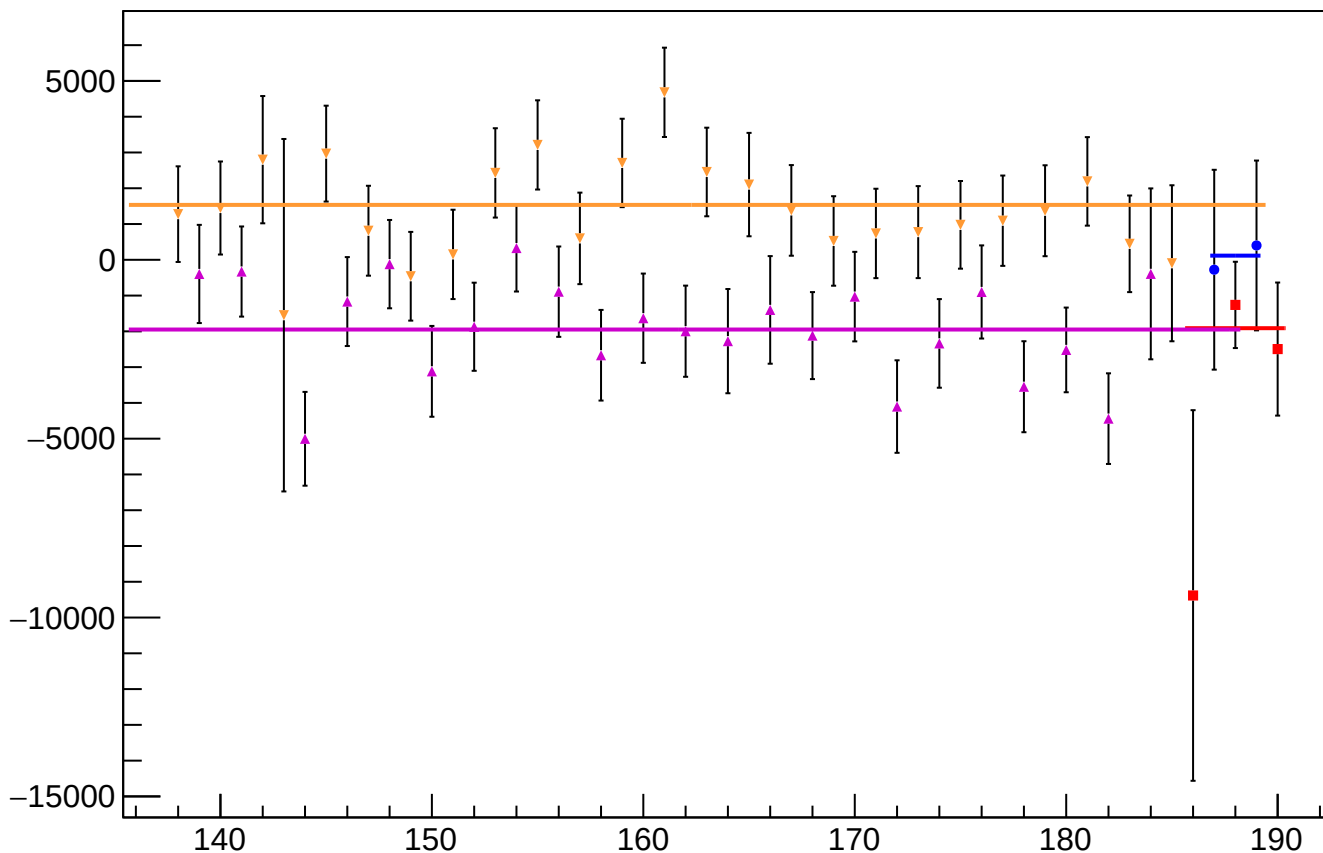
Left In: 785.562 $\pm$ 0.134 χ^2/NDF : 9033.0/22

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

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

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

cor_asym_usl_mean vs Slug



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

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

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

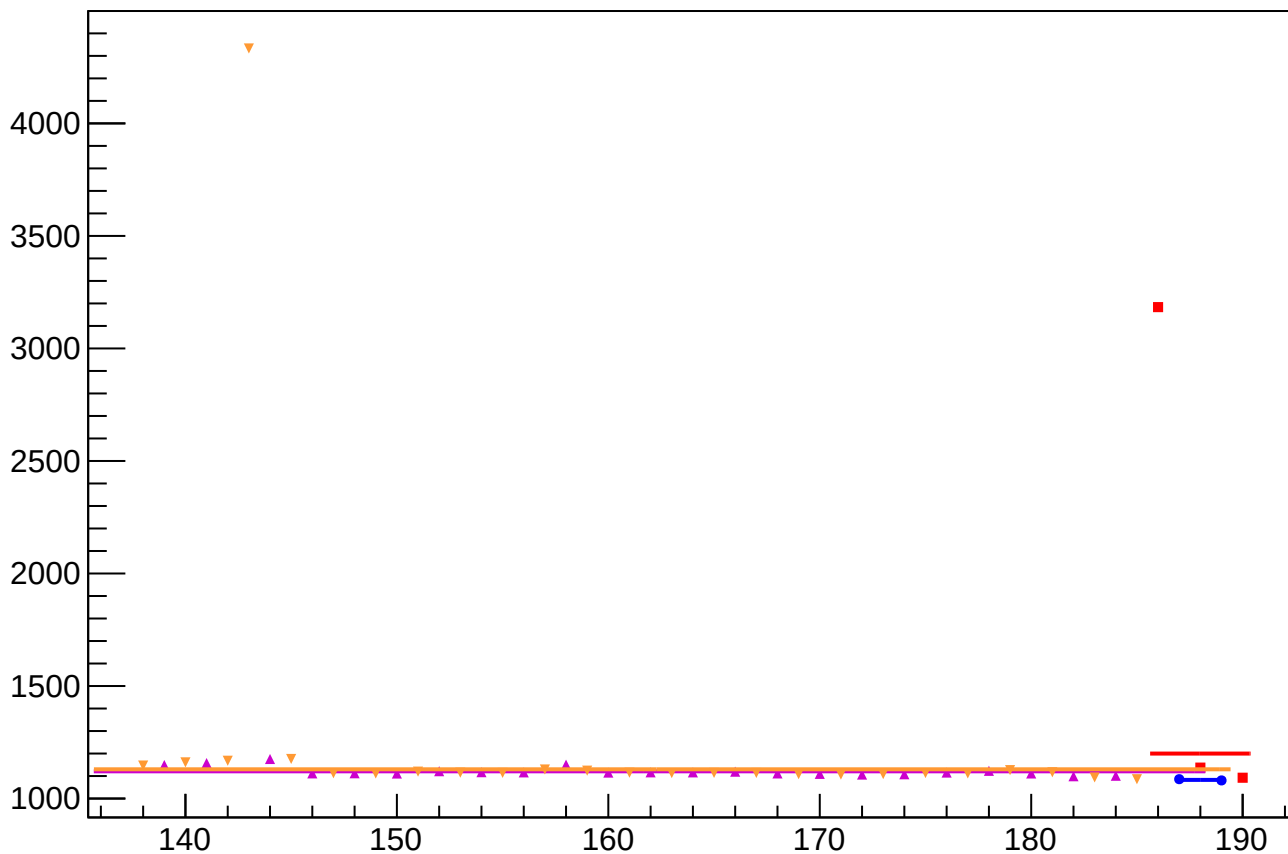
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

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

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

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

cor_asym_usl_rms vs Slug



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

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

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

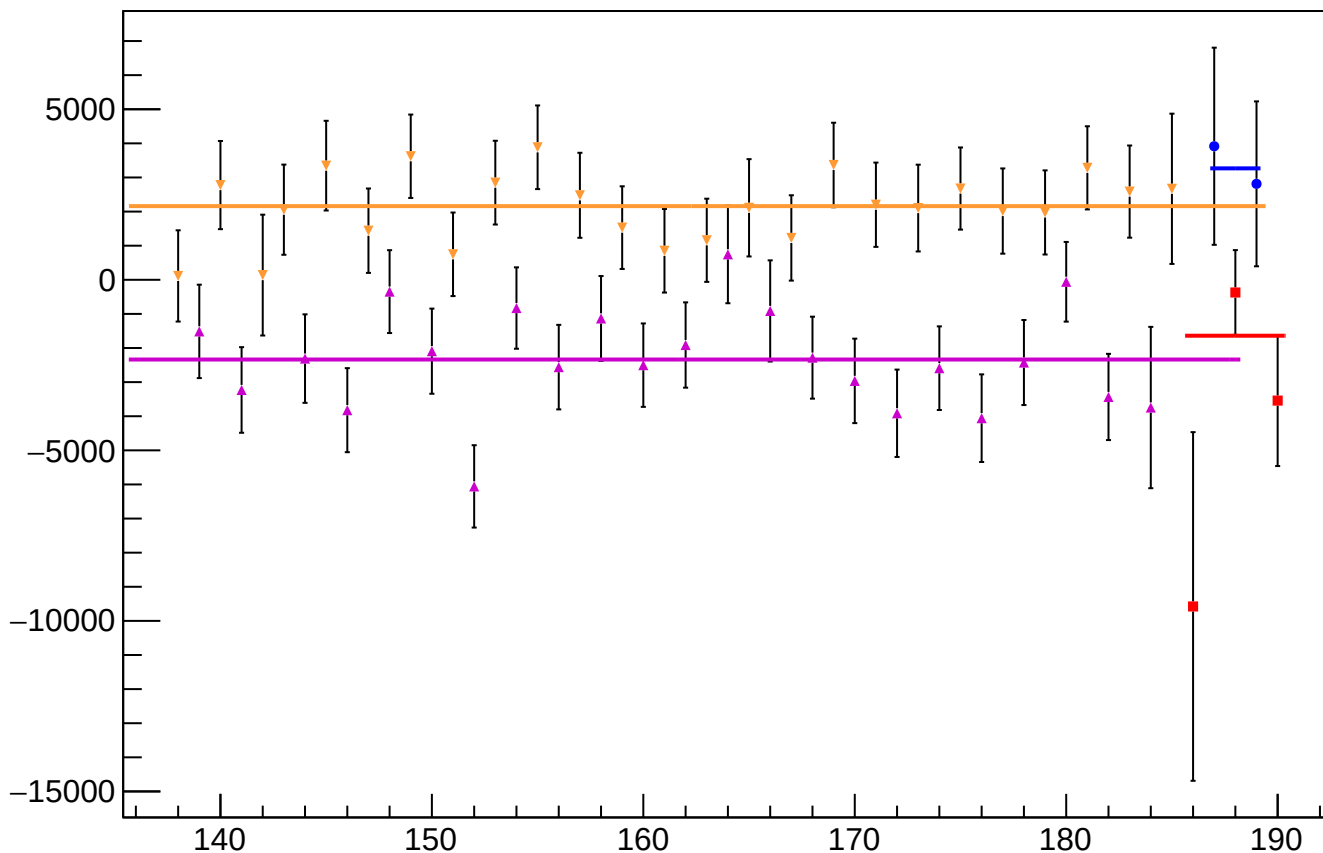
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

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

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

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

cor_asym_usr_mean vs Slug



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

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

Right Out: -1639.449 ± 1022.123 χ^2/NDF : 4.4/2

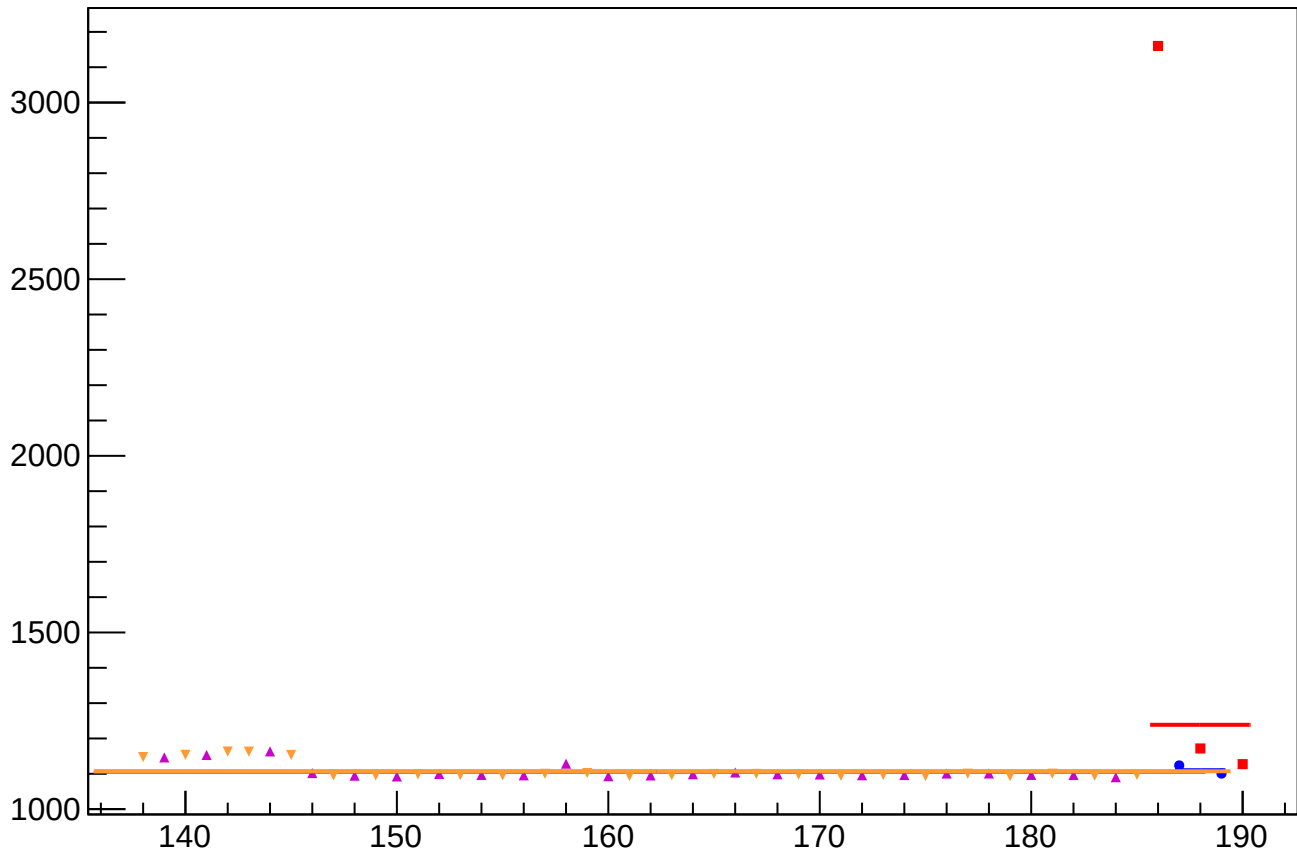
Left In: -2337.232 ± 266.468 χ^2/NDF : 31.3/22

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

All: -31.822 ± 181.339 χ^2/NDF : 203.7/52

- sign -2292.825 ± 257.850 χ^2/NDF : 36.2/25

cor_asym_usr_rms vs Slug



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

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

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

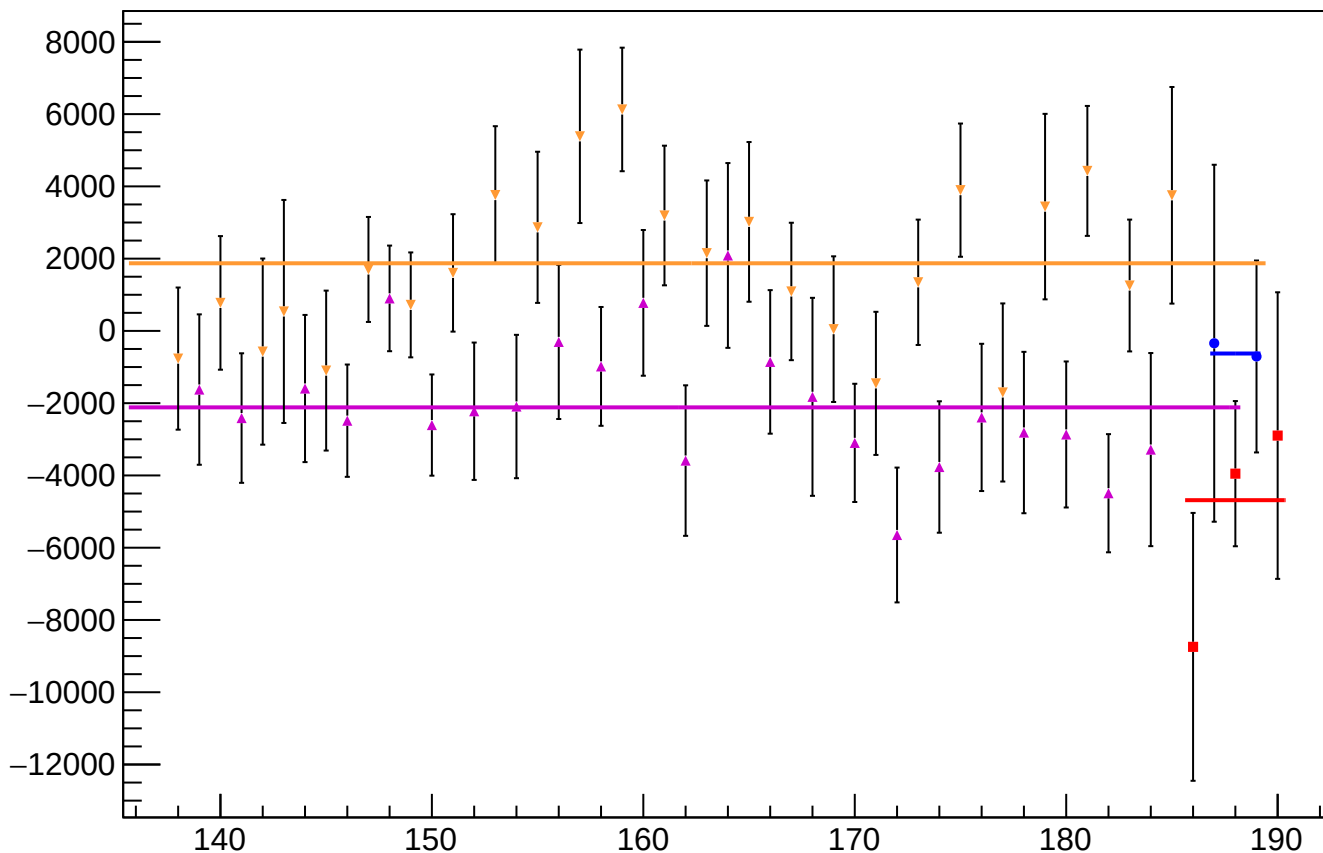
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

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

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

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

asym_us_agg_avg_mean vs Slug



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

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

Right Out: -4684.502 ± 1613.584 χ^2/NDF : 1.5/2

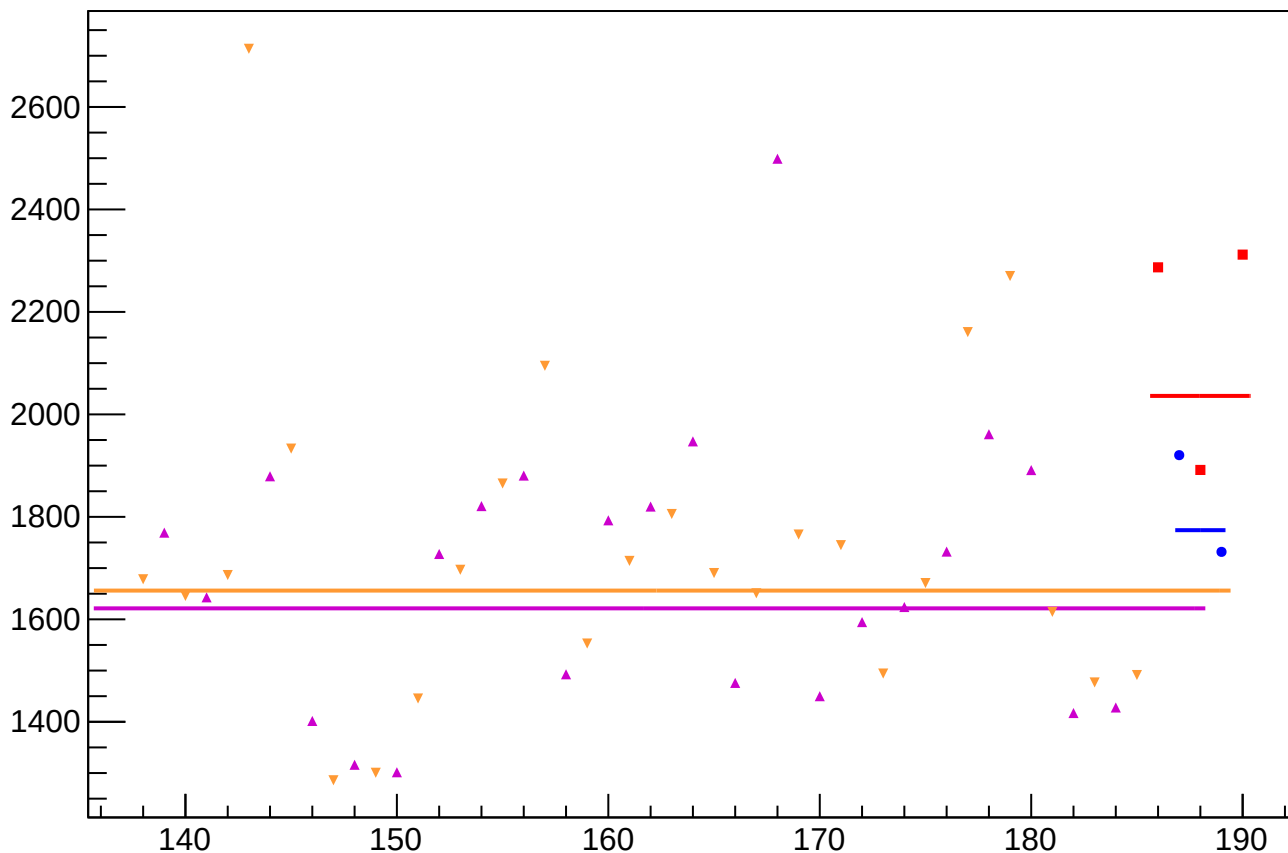
Left In: -2116.114 ± 392.997 χ^2/NDF : 18.8/22

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

All: -251.852 ± 271.565 χ^2/NDF : 105.9/52

- sign -2259.937 ± 381.835 χ^2/NDF : 22.7/25

asym_us_agg_avg_rms vs Slug



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

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

Right Out: 2036.072+/-1.141 χ^2/NDF : 29181.1/2

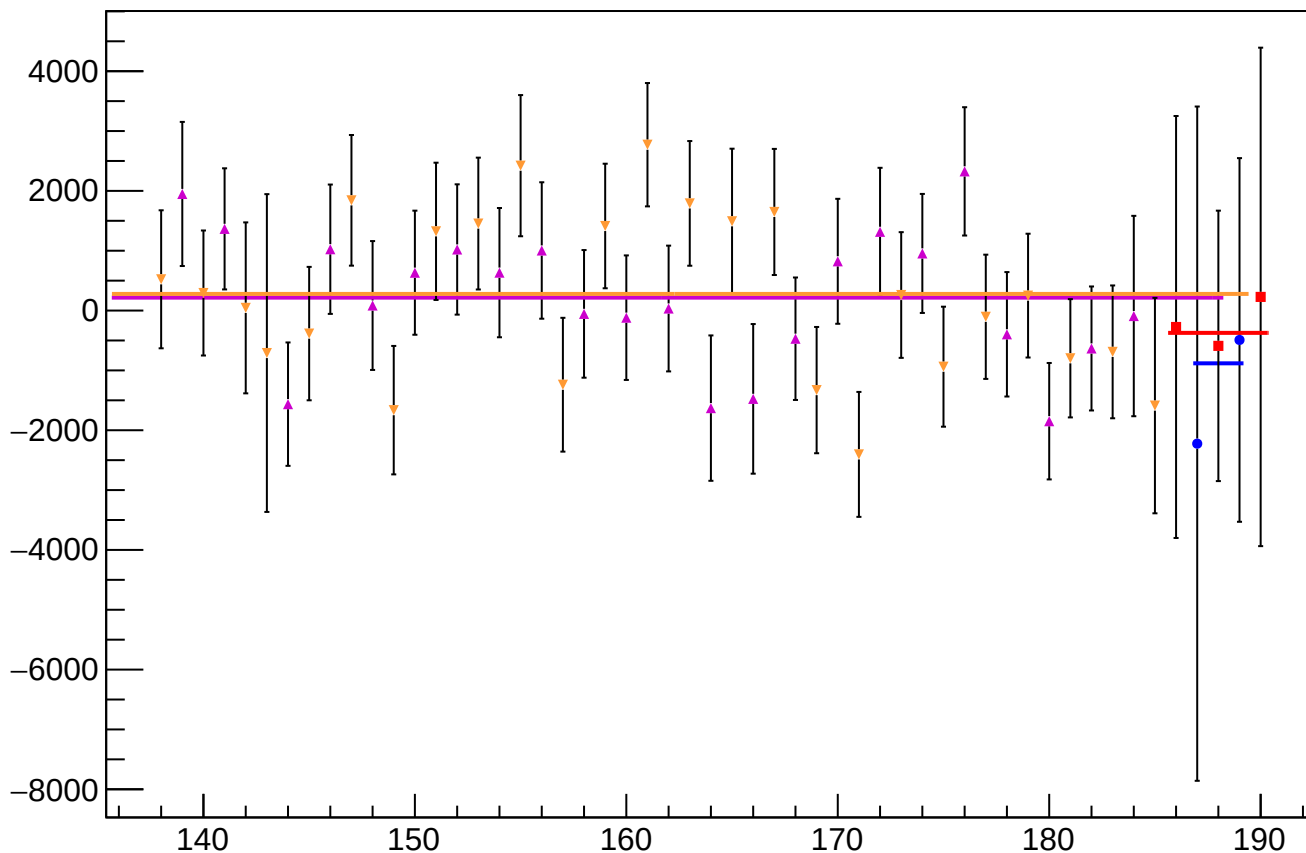
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

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

All: 1651.900+/-0.192 χ^2/NDF : 1848415.2/52

- sign 1644.636+/-0.270 χ^2/NDF : 929170.1/25

asym_us_agg_dd_mean vs Slug



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

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

Right Out: -372.800 ± 1730.546 χ^2/NDF : 0.0/2

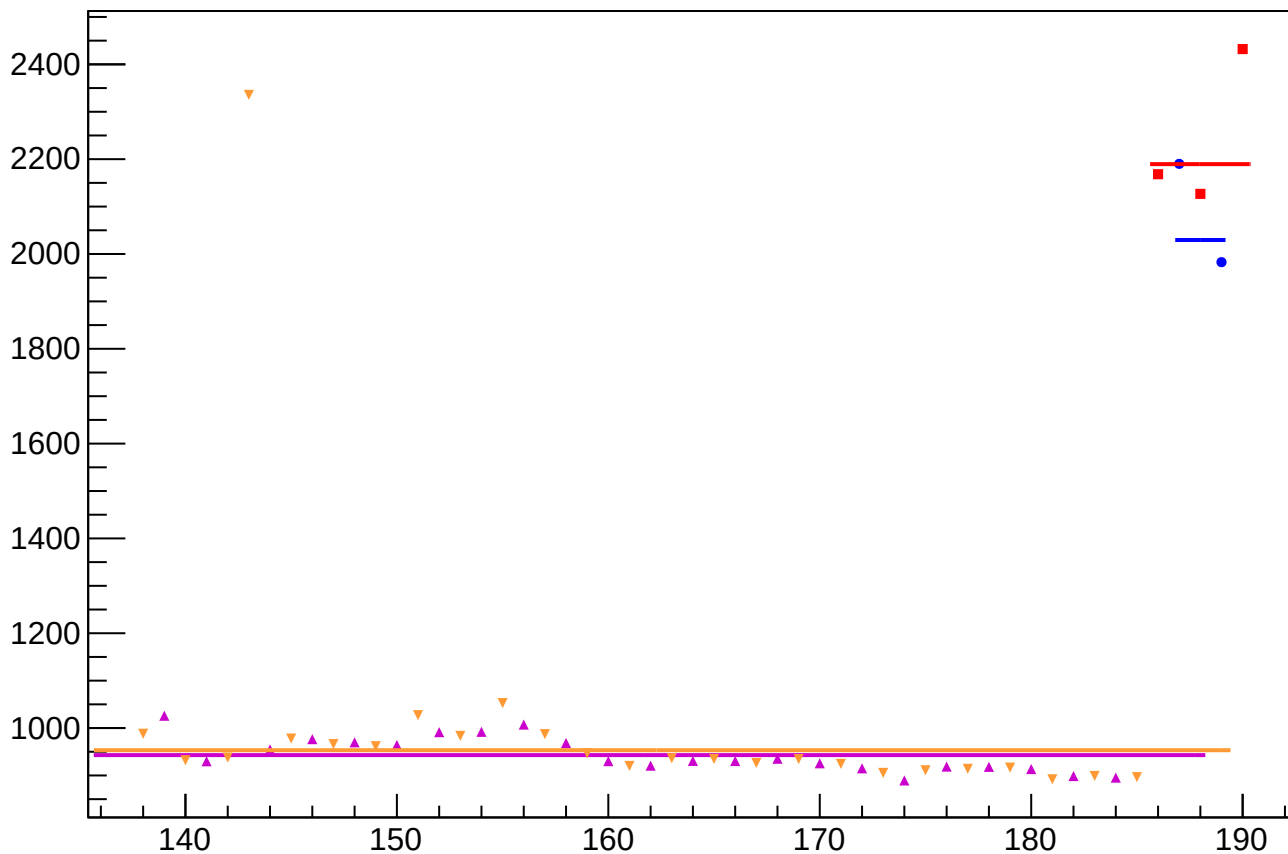
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

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

All: 238.289 ± 157.864 χ^2/NDF : 63.3/52

- sign 206.280 ± 223.707 χ^2/NDF : 24.6/25

asym_us_agg_dd_rms vs Slug



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

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

Right Out: 2189.532+/-1.224 χ^2/NDF : 8405.3/2

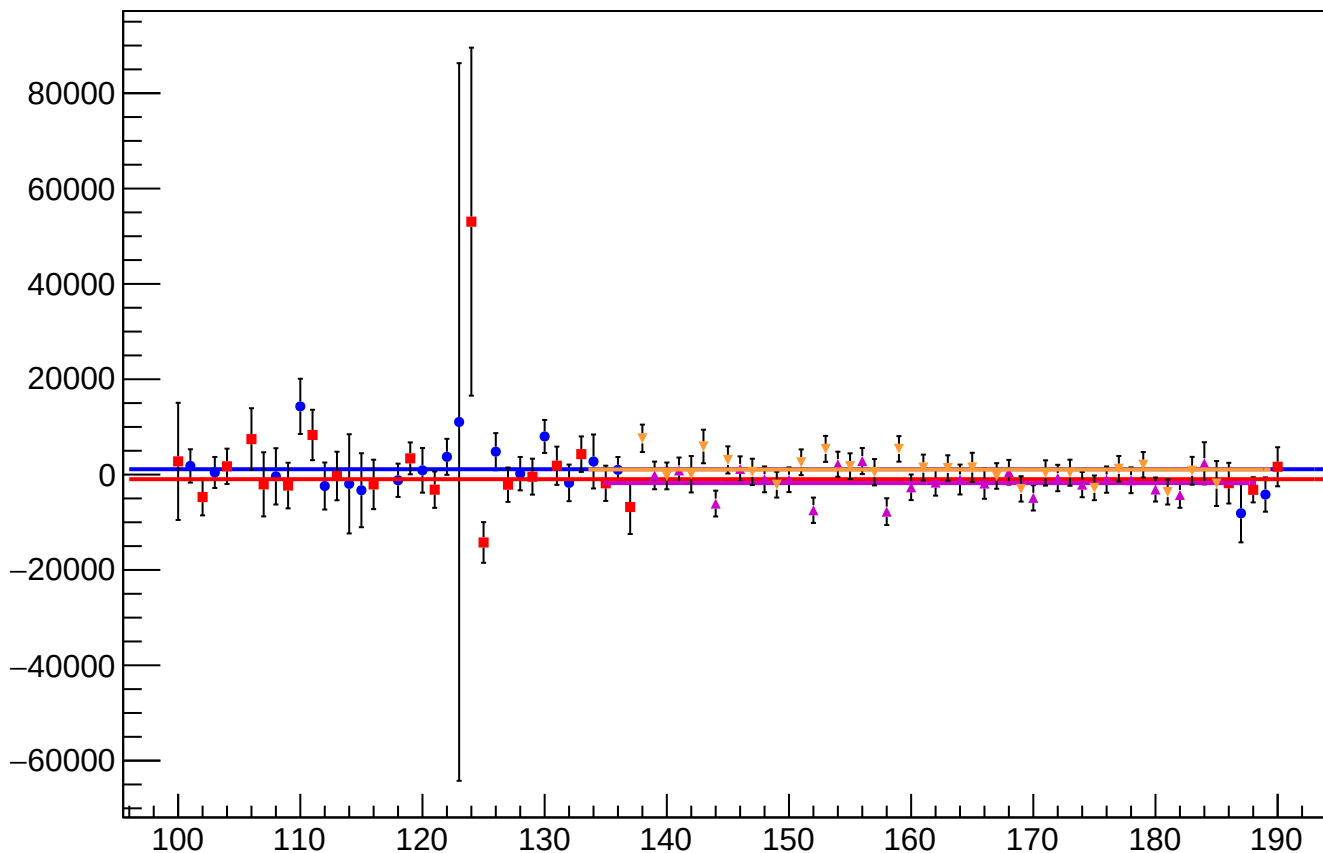
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

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

All: 962.218+/-0.112 χ^2/NDF : 2007478.7/52

- sign 963.758+/-0.158 χ^2/NDF : 1077283.7/25

reg_asym_atl1_mean vs Slug



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: -961.399 $\pm$ 910.421 χ^2 /NDF: 25.3/21

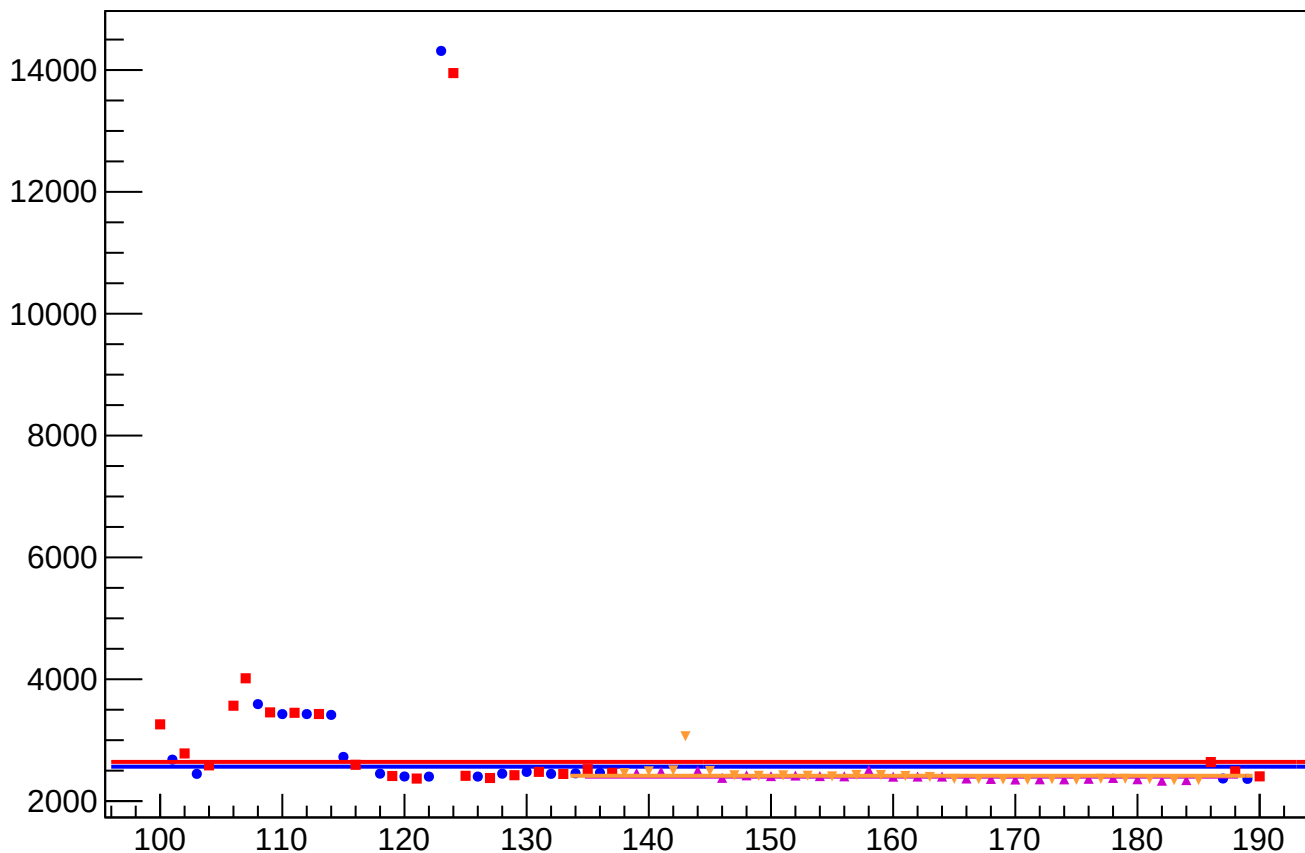
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1090.794 $\pm$ 486.976 χ^2 /NDF: 40.8/43

All: -227.351 $\pm$ 344.245 χ^2 /NDF: 105.4/88

- sign -1543.988 $\pm$ 486.697 χ^2 /NDF: 49.9/44

reg_asym_atl1_rms vs Slug



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: 2643.567 $\pm$ 0.644 χ^2 /NDF: 545425.2/21

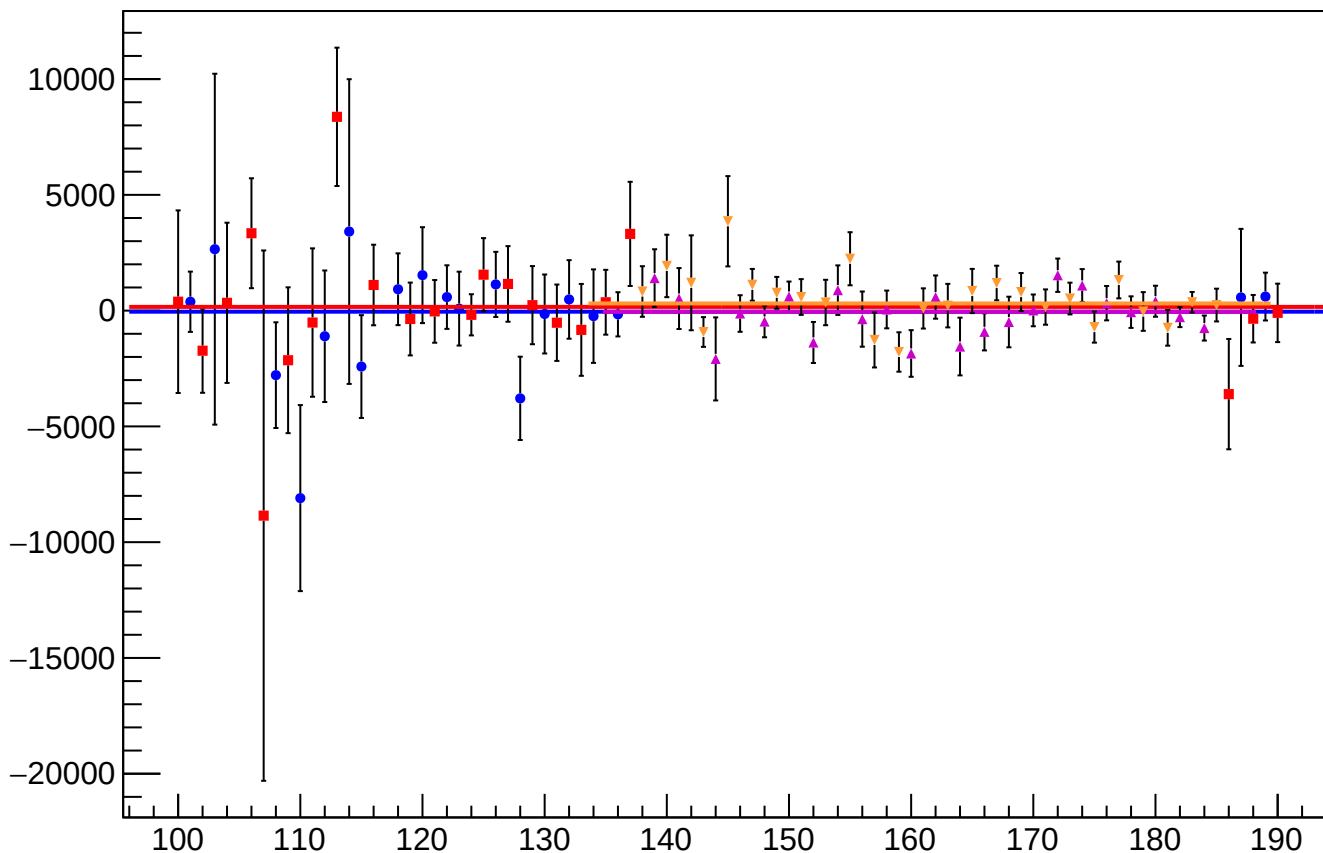
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

+ sign 2453.947 $\pm$ 0.344 χ^2 /NDF: 381128.2/43

All: 2462.289 $\pm$ 0.243 χ^2 /NDF: 1042522.9/86

- sign 2470.622 $\pm$ 0.344 χ^2 /NDF: 660221.4/44

asym_atl1_correction_mean vs Slug



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

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

Right Out: 161.955 ± 360.319 χ^2/NDF : 18.6/21

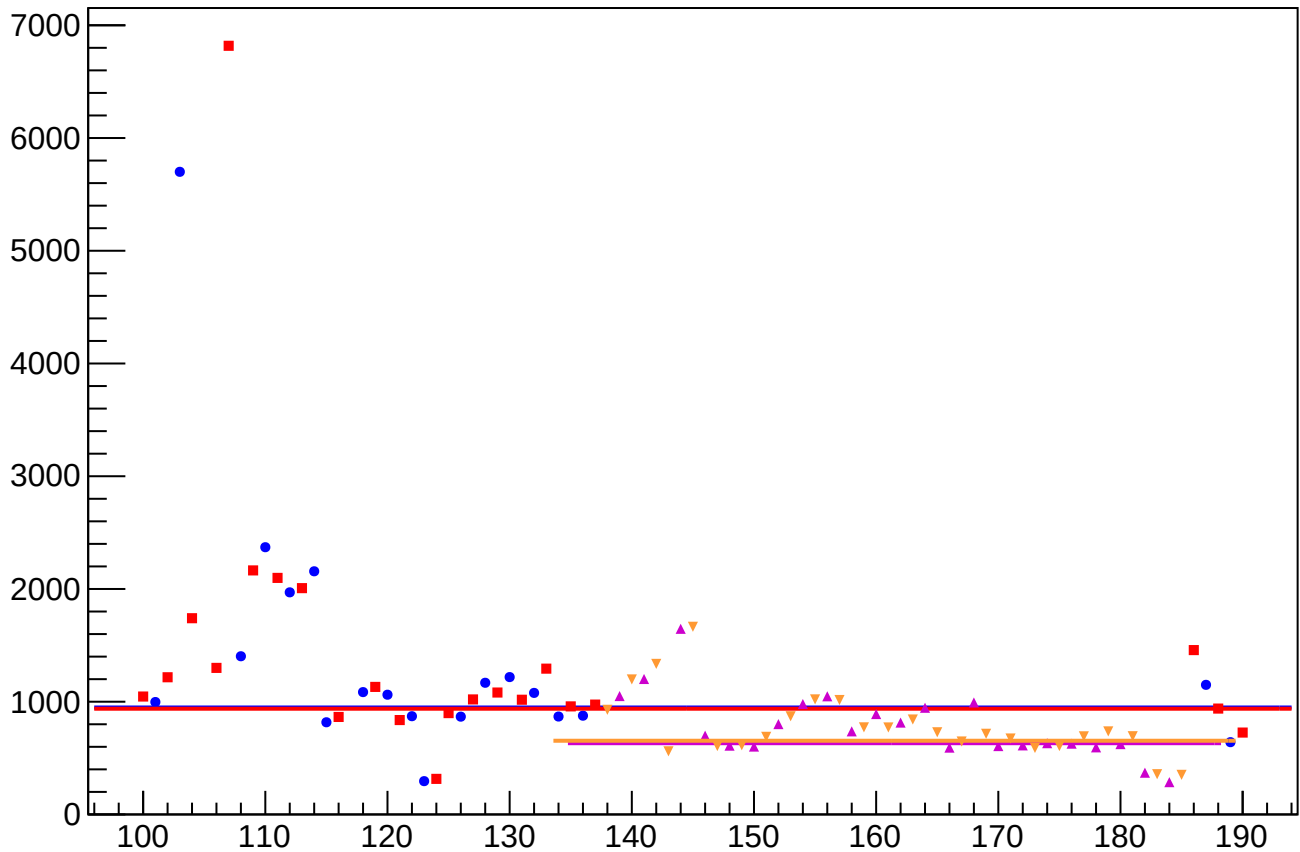
Left In: -51.454 ± 161.744 χ^2/NDF : 23.8/22

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

All: 120.643 ± 104.623 χ^2/NDF : 88.9/88

- sign -15.663 ± 147.559 χ^2/NDF : 42.7/44

asym_atl1_correction_rms vs Slug



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

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

Right Out: 937.875 $\pm$ 0.255 χ^2 /NDF: 2818480.4/21

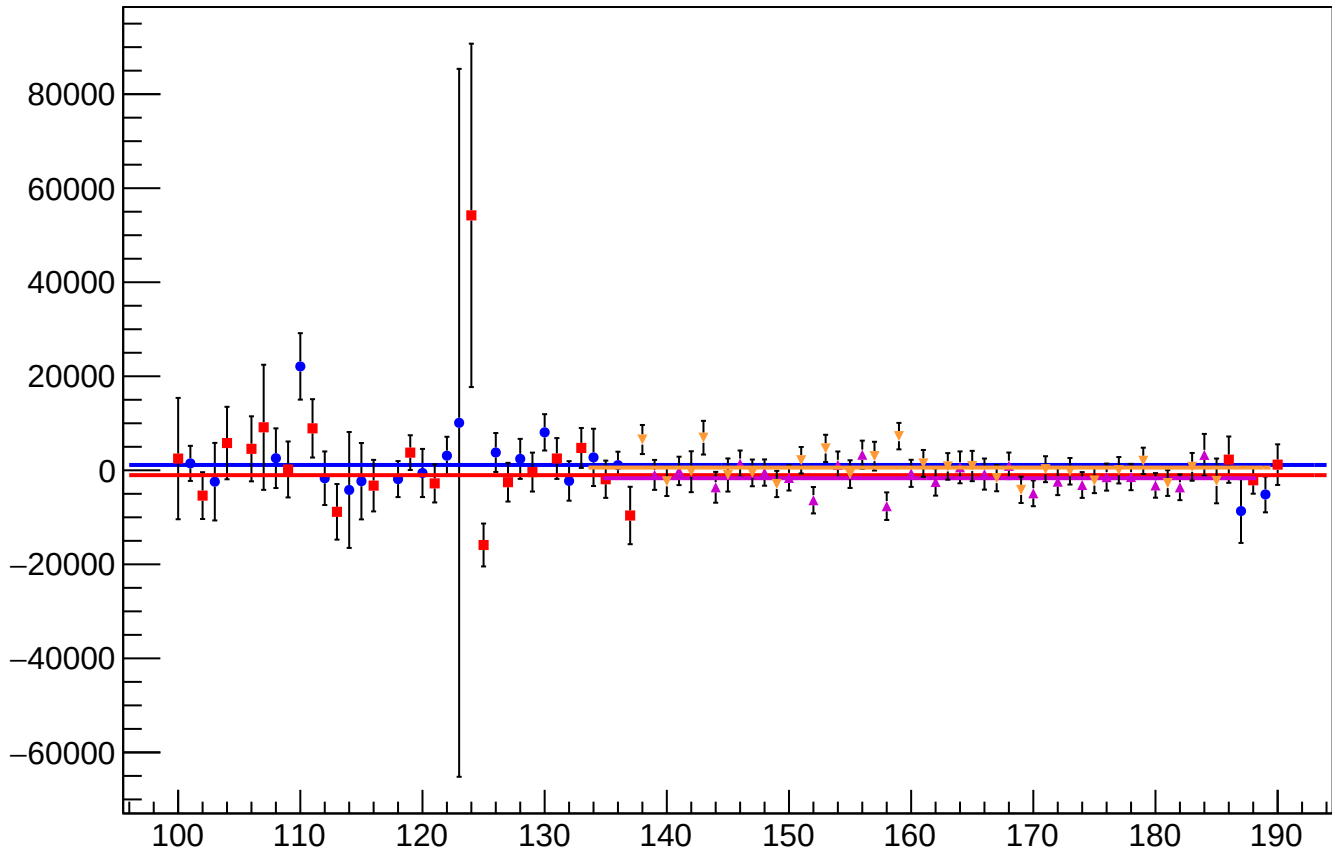
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF:3942853.4/22

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

All: 690.230 $\pm$ 0.074 χ^2 /NDF: 14330287.3/88

- sign 683.342 $\pm$ 0.104 χ^2 /NDF: 7960468.7/44

asym_atl1_mean vs Slug



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

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

Right Out: -1033.523 $\pm$ 1041.450 χ^2 /NDF: 27.7/21

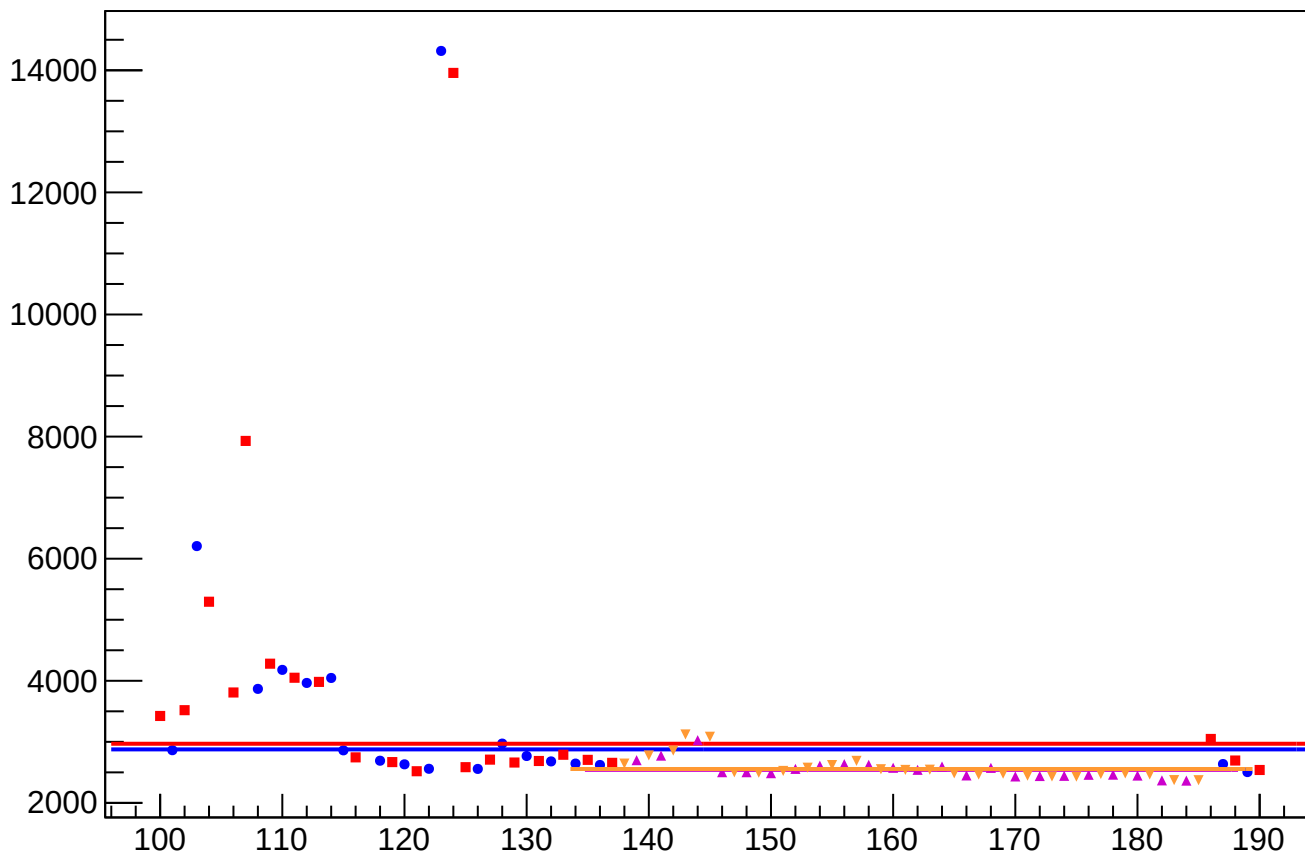
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

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

All: -399.589 $\pm$ 371.602 χ^2 /NDF: 100.5/88

- sign -1514.503 $\pm$ 526.428 χ^2 /NDF: 46.2/44

asym_atl1_rms vs Slug



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: 2968.780+/-0.736 χ^2/NDF : 1053534.6/21

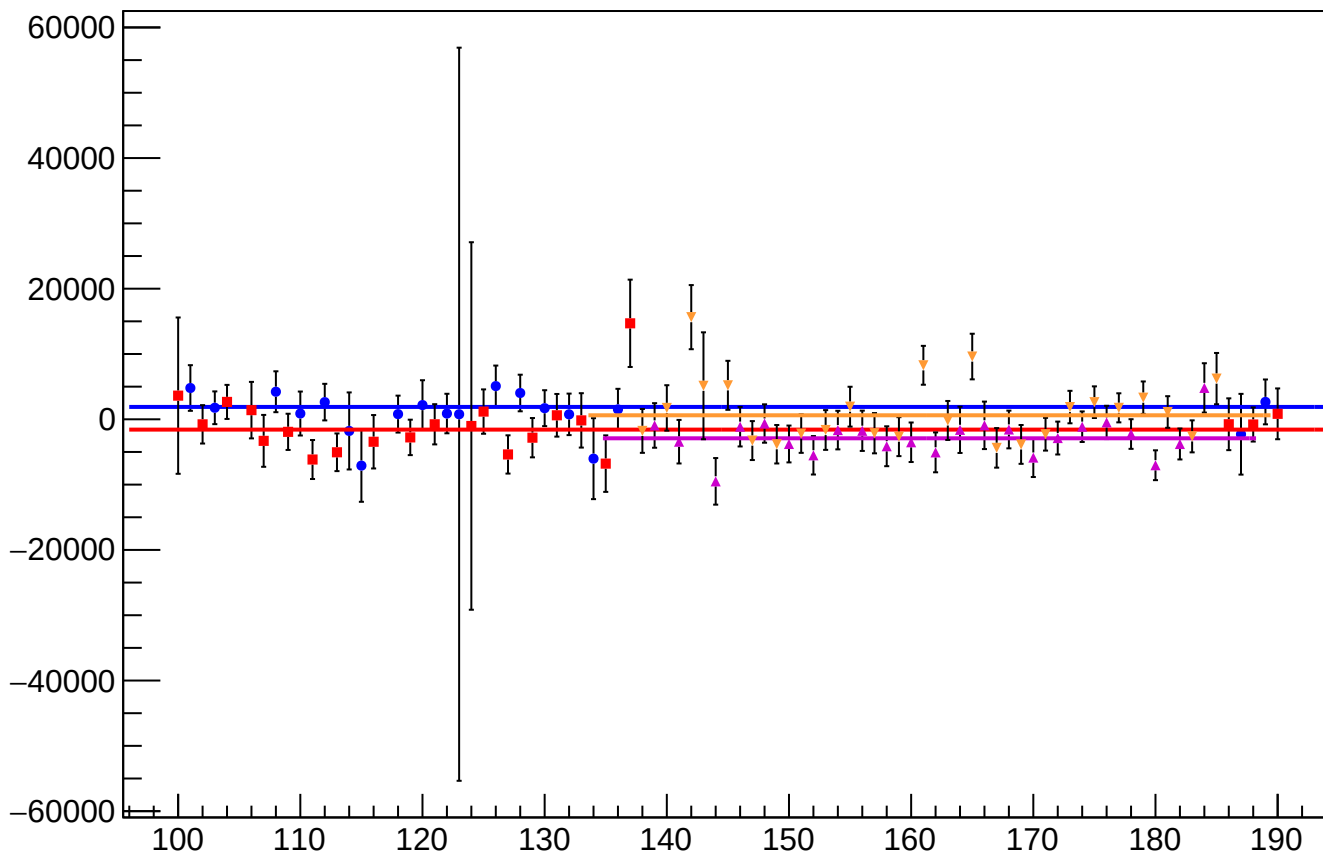
Left In: 2540.988+/-0.431 χ^2/NDF : 94756.7/22

+ sign 2628.545+/-0.371 χ^2/NDF : 947446.9/43

All: 2639.381+/-0.263 χ^2/NDF : 2348686.1/86

- sign 2650.291+/-0.372 χ^2/NDF : 1399526.8/44

reg_asym_atl2_mean vs Slug



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

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

Right Out: -1578.122 ± 731.511 χ^2/NDF : 18.8/21

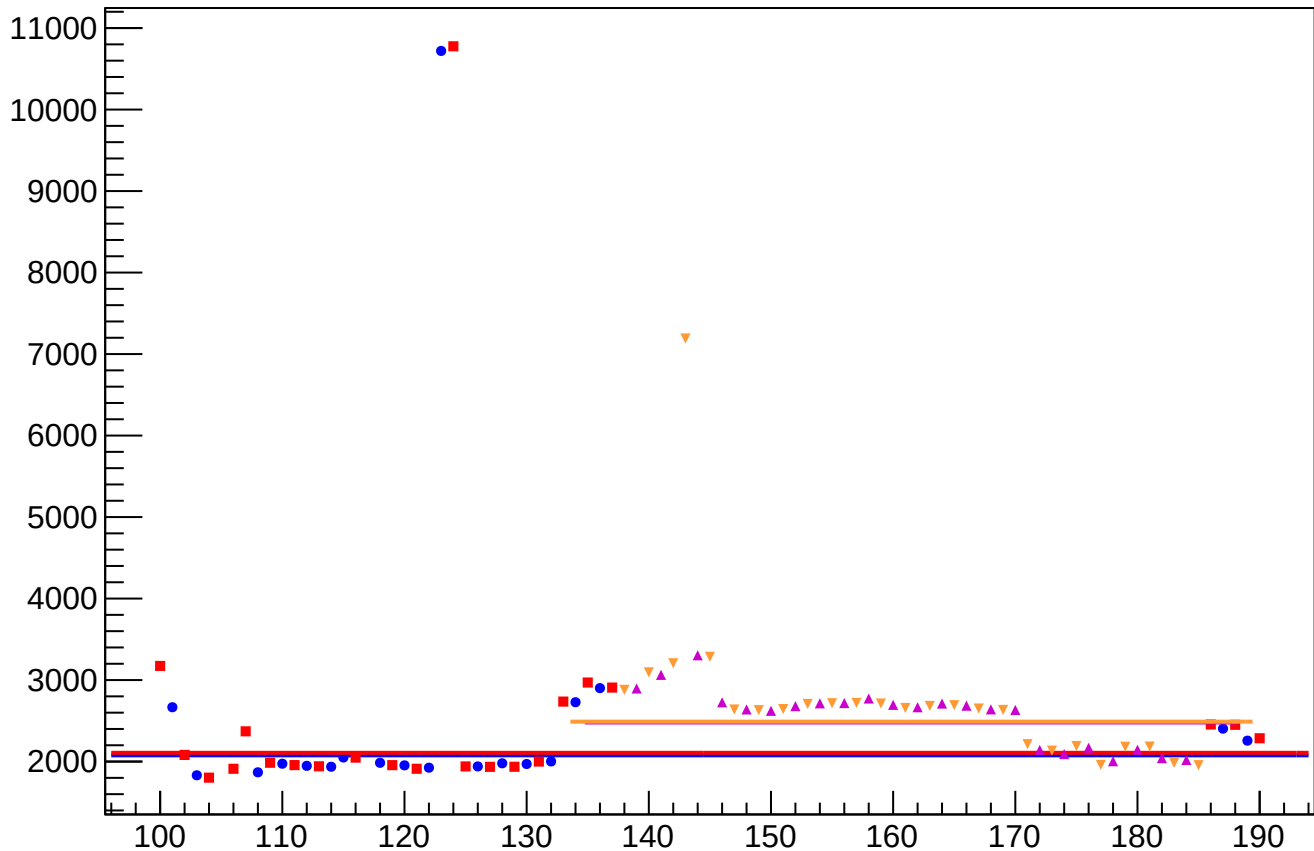
Left In: -2909.108 ± 599.673 χ^2/NDF : 17.4/22

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

All: -679.618 ± 330.901 χ^2/NDF : 120.9/88

- sign -2374.152 ± 463.759 χ^2/NDF : 38.2/44

reg_asym_atl2_rms vs Slug



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

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

Right Out: 2107.530+/-0.517 χ^2/NDF : 504649.8/21

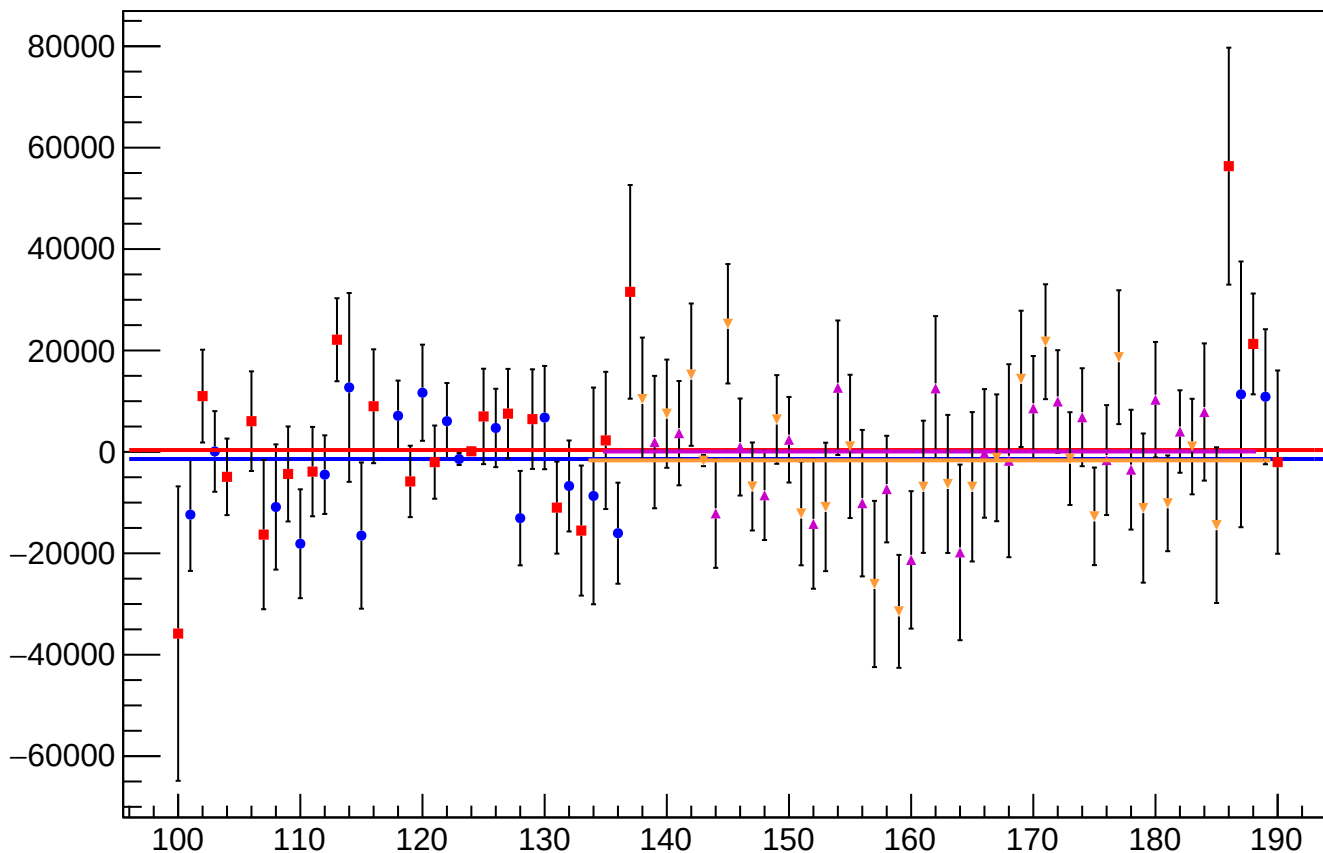
Left In: 2479.348+/-0.424 χ^2/NDF : 668398.2/22

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

All: 2334.942+/-0.234 χ^2/NDF : 3529458.6/88

- sign 2329.905+/-0.328 χ^2/NDF : 1482083.7/44

asym_atl2_correction_mean vs Slug



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

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

Right Out: 368.342 $\pm$ 692.829 χ^2 /NDF: 31.2/21

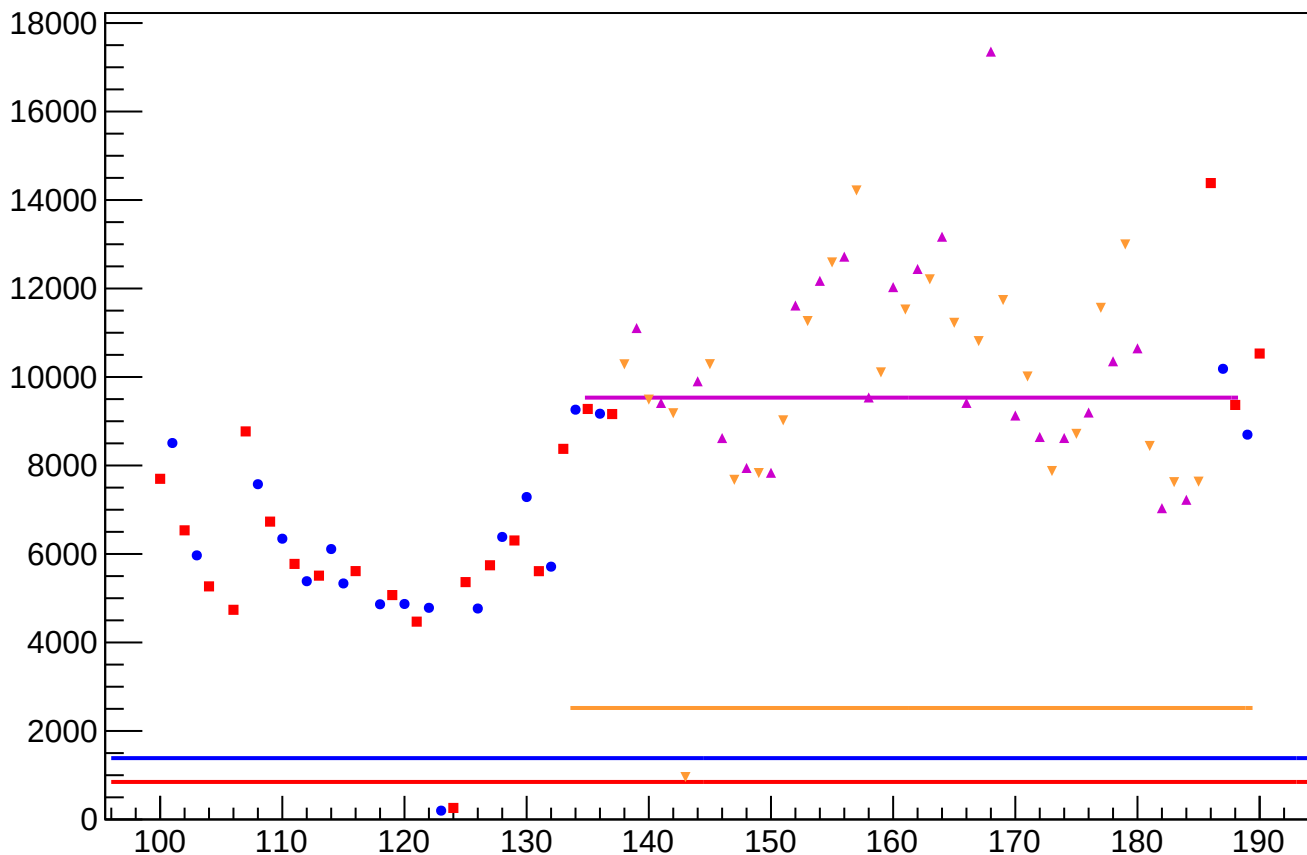
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

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

All: -519.996 $\pm$ 488.684 χ^2 /NDF: 97.9/88

- sign 344.969 $\pm$ 664.127 χ^2 /NDF: 45.0/44

asym_atl2_correction_rms vs Slug



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

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

Right Out: 847.794+/-0.490 χ^2/NDF : 14139319.6/21

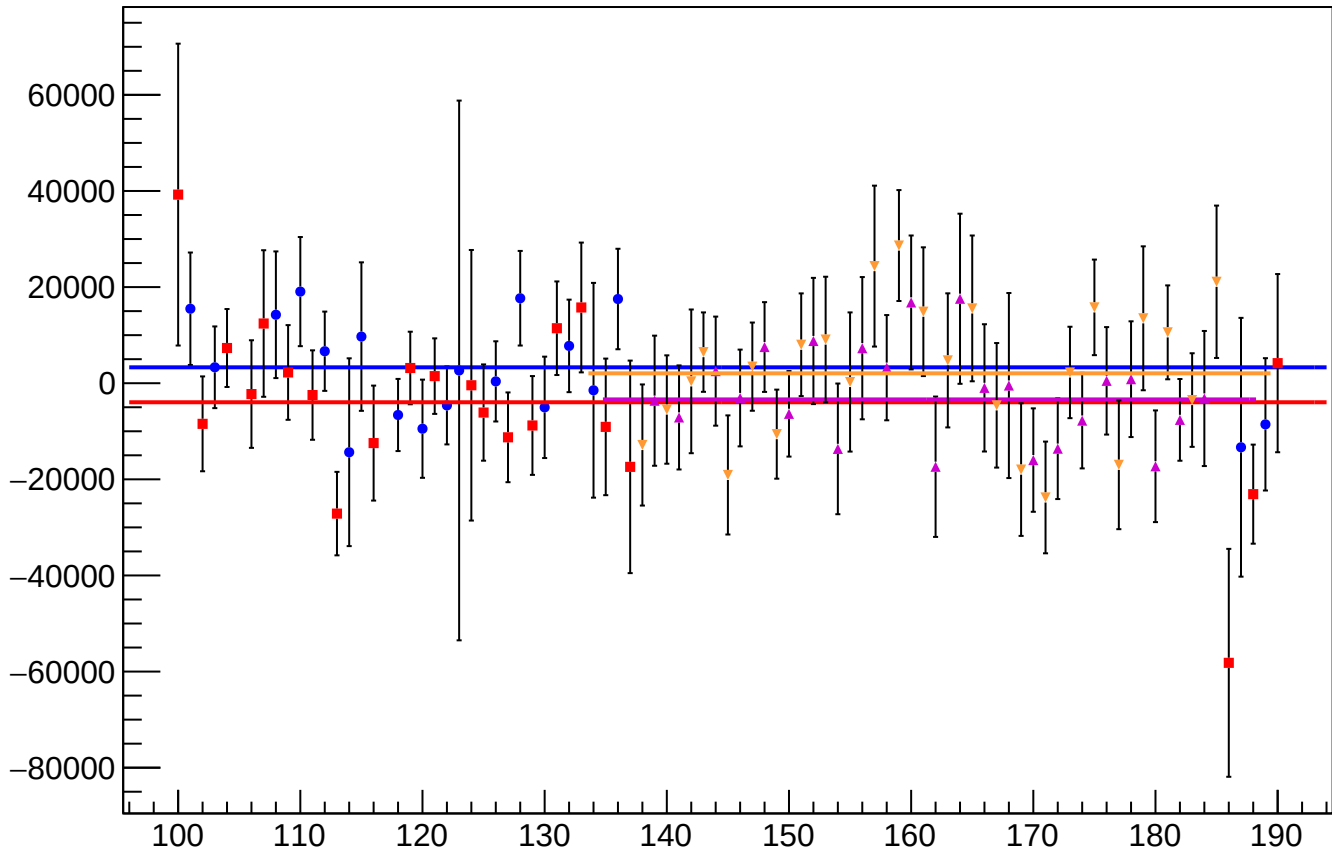
Left In: 9533.563+/-1.649 χ^2/NDF : 1316640.0/22

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

All: 1750.663+/-0.346 χ^2/NDF : 77082058.4/8

- sign 1552.532+/-0.470 χ^2/NDF : 40960346.1/44

asym_atl2_mean vs Slug



Right In: 3305.089 $\pm$ 2490.068 χ^2 /NDF: 15.2/18

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

Right Out: -3963.143 $\pm$ 2332.050 χ^2 /NDF: 29.5/21

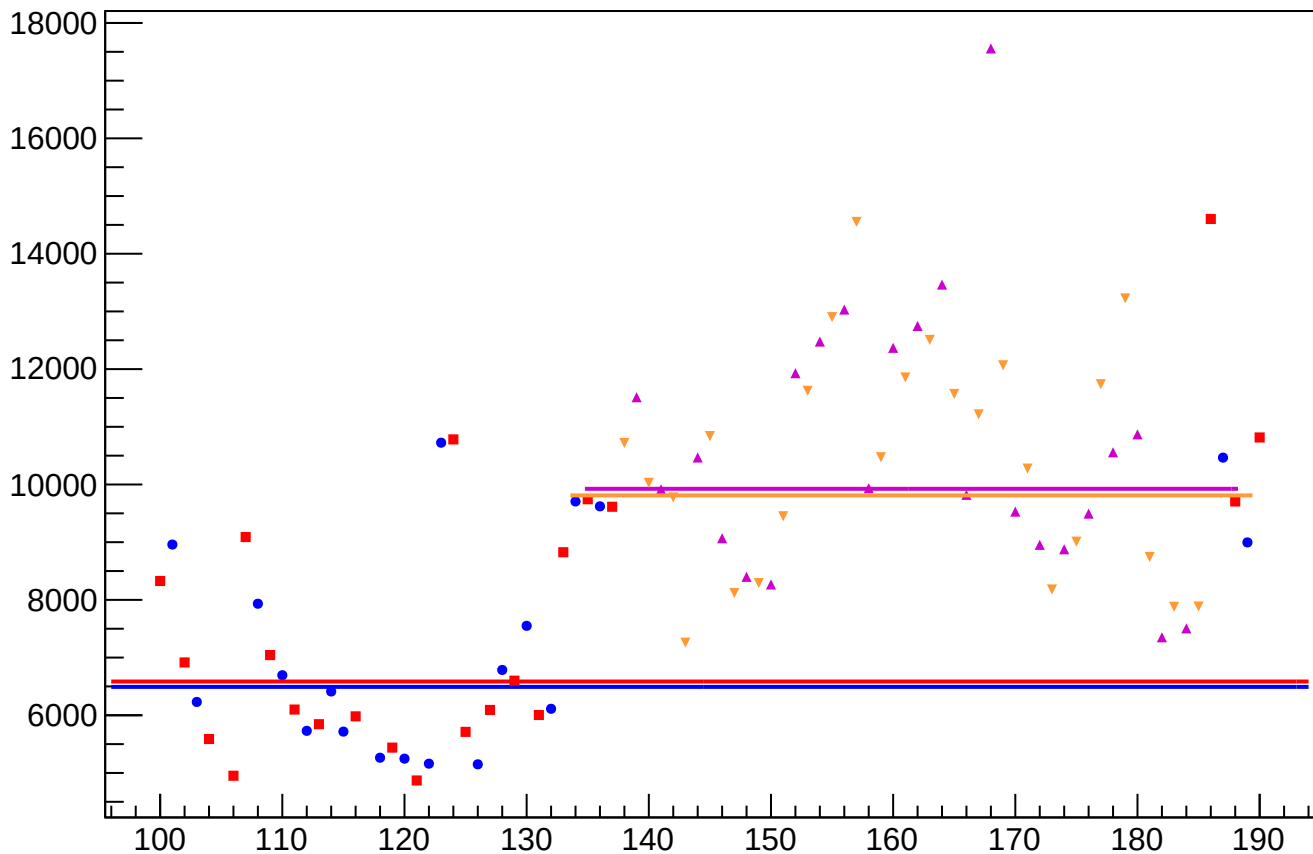
Left In: -3371.931 $\pm$ 2423.242 χ^2 /NDF:13.1/22

+ sign 2640.015 $\pm$ 1702.693 χ^2 /NDF: 46.1/43

All: -561.211 $\pm$ 1195.998 χ^2 /NDF: 95.7/88

- sign -3678.871 $\pm$ 1680.322 χ^2 /NDF: 42.7/44

asym_atl2_rms vs Slug



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

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

Right Out: 6585.026+/-1.649 χ^2/NDF : 1085692.0/21

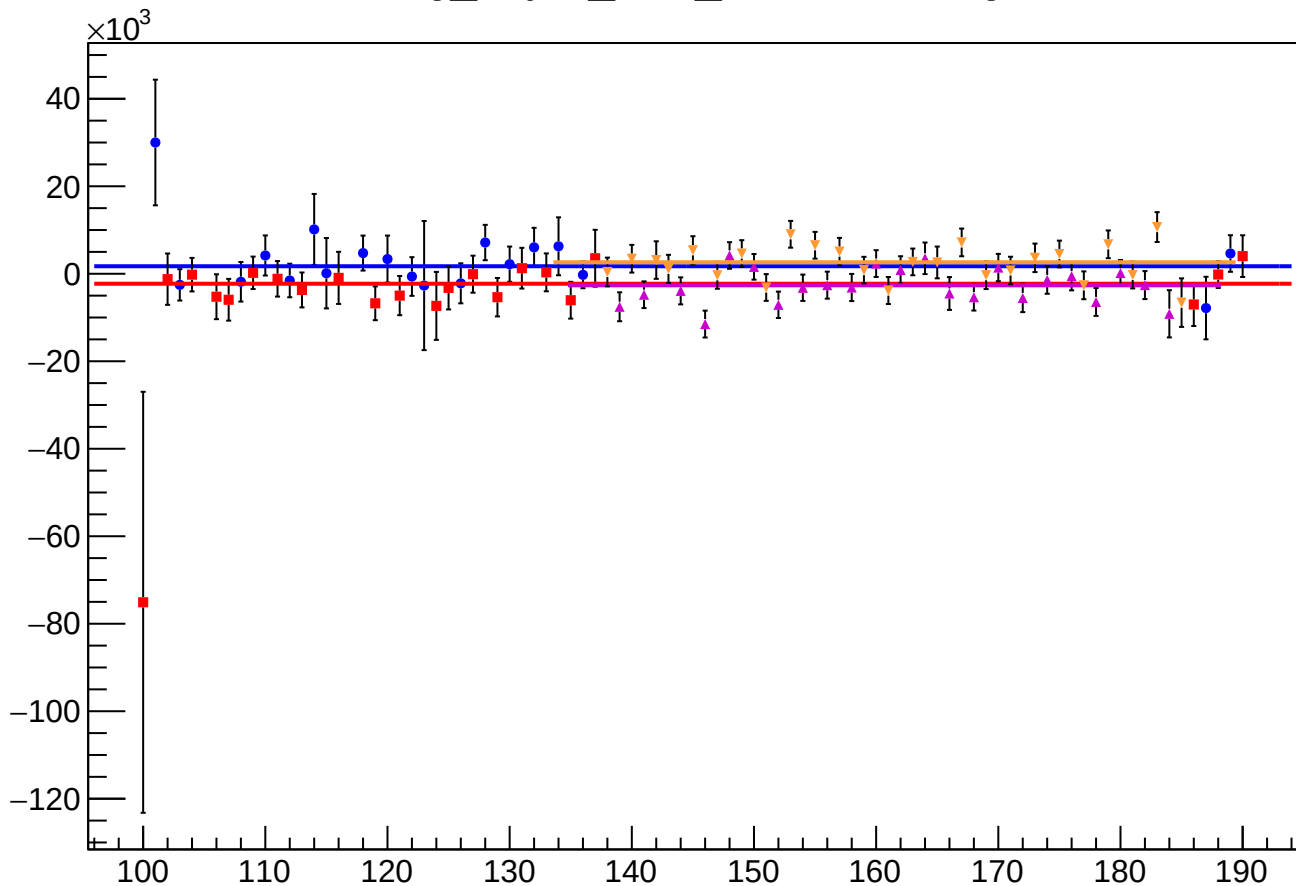
Left In: 9925.337+/-1.713 χ^2/NDF :1211554.7/22

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

All: 8224.626+/-0.846 χ^2/NDF : 8070803.6/80

- sign 8191.077+/-1.188 χ^2/NDF : 4270294.0/44

reg_asym_atr1_mean vs Slug



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

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

Right Out: -2278.097 $\pm$ 972.680 χ^2 /NDF: 12.9/21

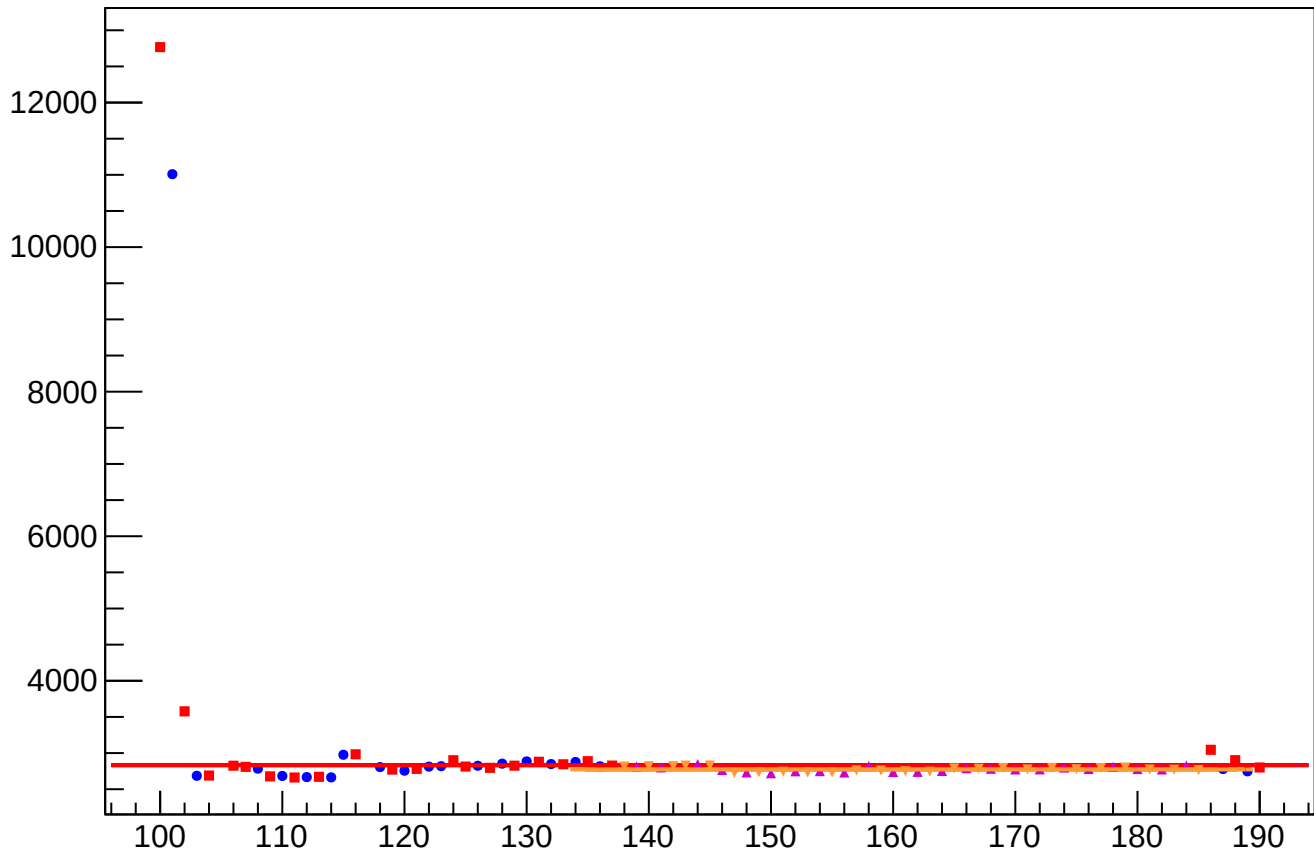
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF: 35.2/22

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

All: -90.172 $\pm$ 389.997 χ^2 /NDF: 139.2/88

- sign -2523.876 $\pm$ 548.723 χ^2 /NDF: 48.2/44

reg_asym_atr1_rms vs Slug



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: 2831.740 $\pm$ 0.688 χ^2 /NDF: 138428.2/21

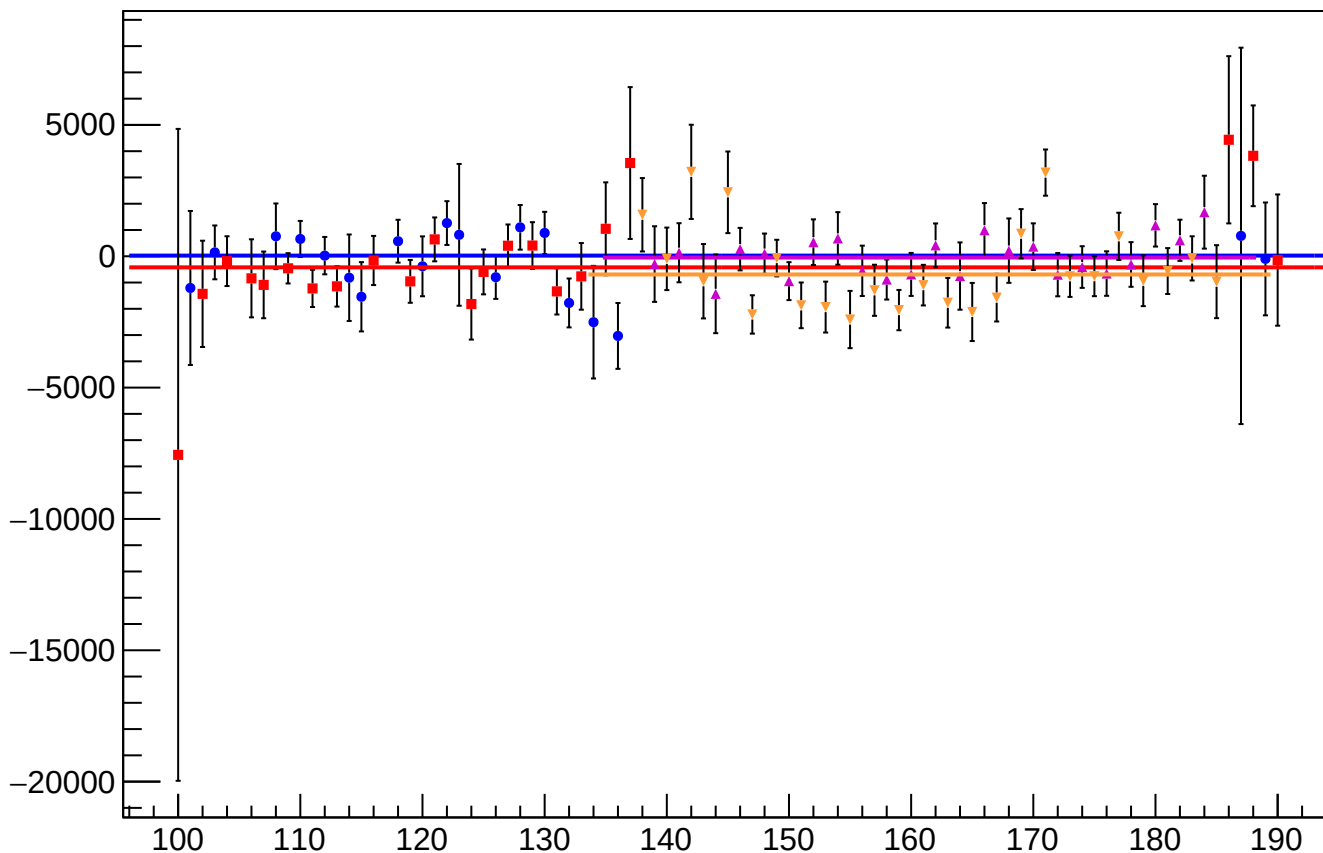
Left In: 2774.036 $\pm$ 0.470 χ^2 /NDF: 4985.3/22

+ sign 2789.284 $\pm$ 0.392 χ^2 /NDF: 670183.5/43

All: 2790.858 $\pm$ 0.276 χ^2 /NDF: 818427.7/88

- sign 2792.400 $\pm$ 0.388 χ^2 /NDF: 148212.3/44

asym_atr1_correction_mean vs Slug



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

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

Right Out: -422.087 ± 219.325 $\chi^2/\text{NDF}: 19.3/21$

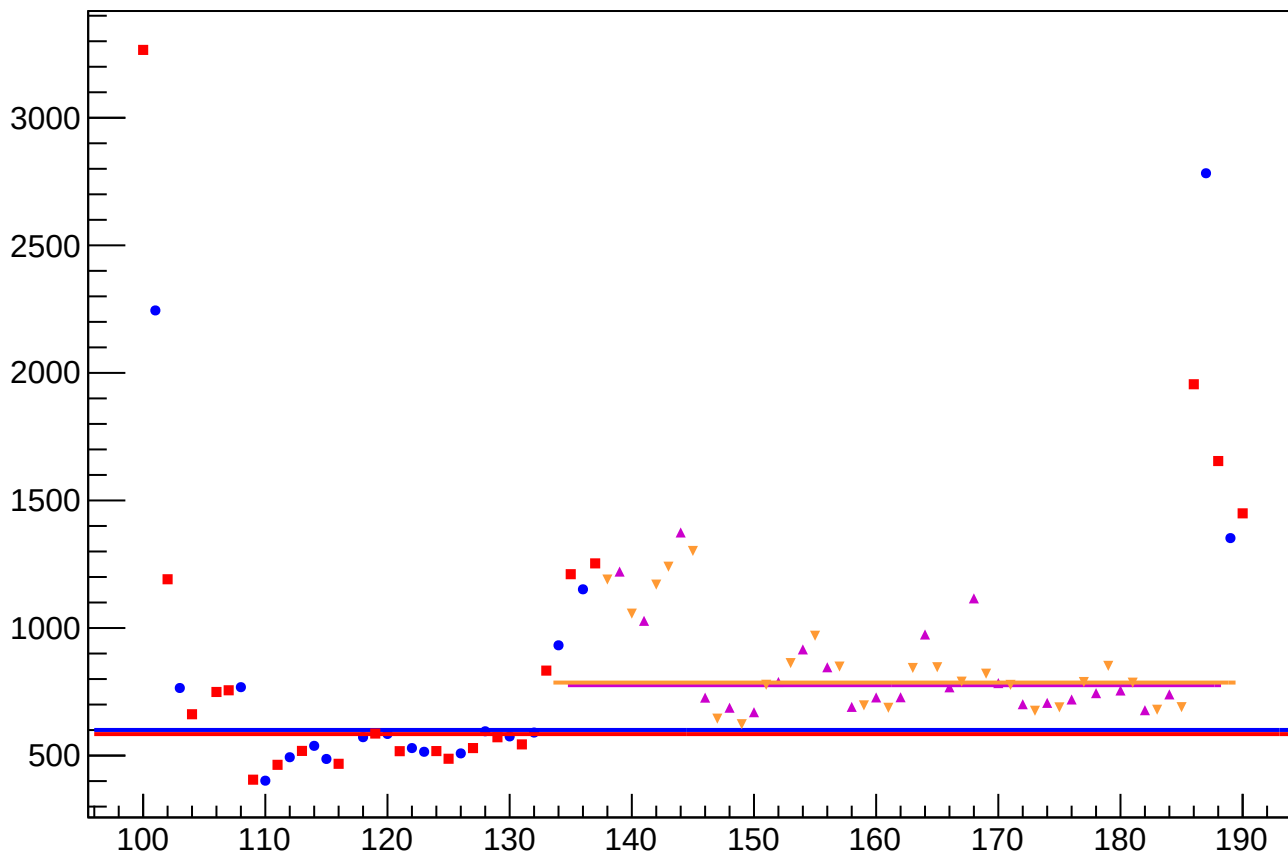
Left In: -49.244 ± 189.190 $\chi^2/\text{NDF}: 13.6/22$

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

All: -311.899 ± 102.879 $\chi^2/\text{NDF}: 118.0/88$

- sign -208.311 ± 143.257 $\chi^2/\text{NDF}: 34.6/44$

asym_atr1_correction_rms vs Slug



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

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

Right Out: 584.174+/-0.155 χ^2/NDF : 2370600.3/21

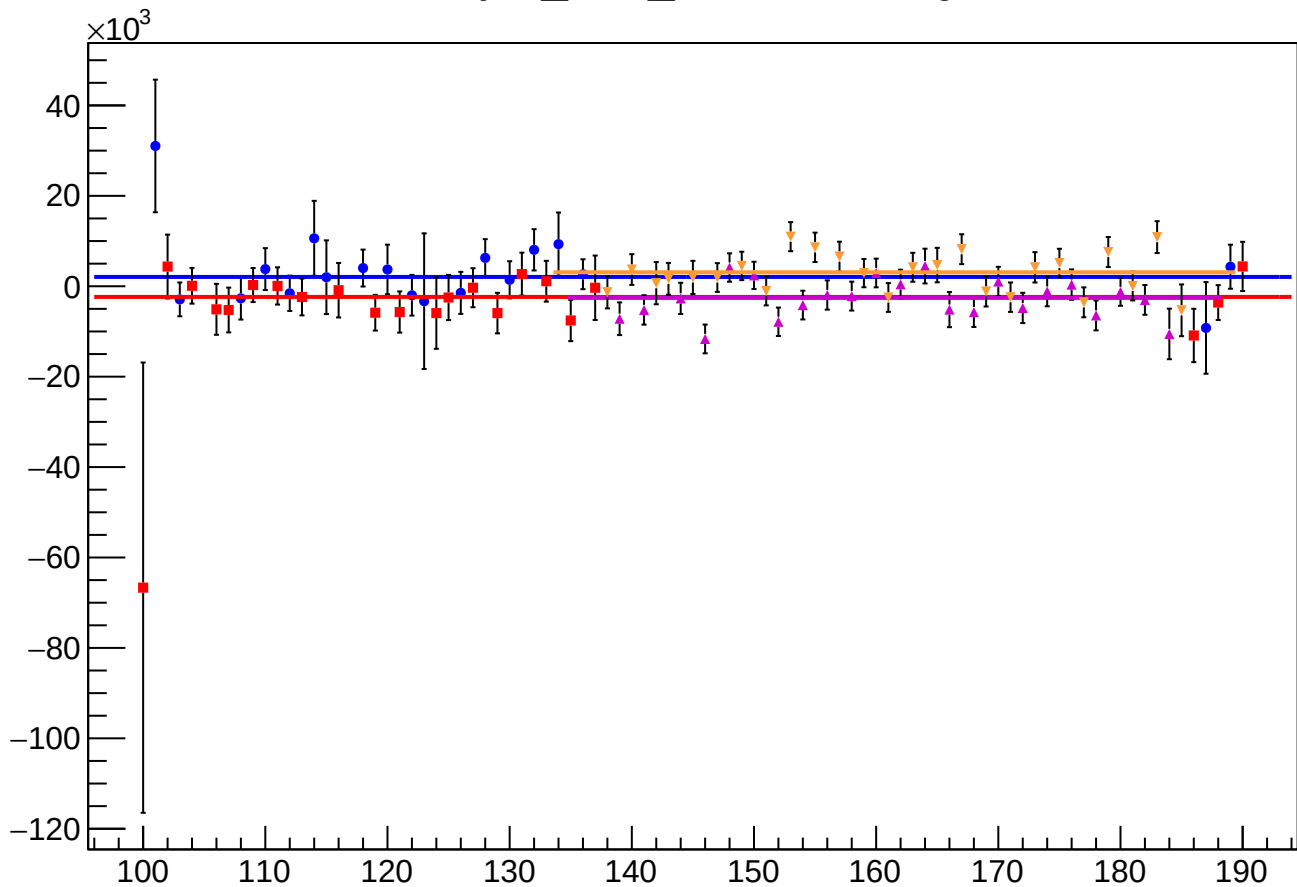
Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

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

All: 704.796+/-0.073 χ^2/NDF : 8177155.5/88

- sign 694.121+/-0.101 χ^2/NDF : 4303938.7/44

asym_atr1_mean vs Slug



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

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

Right Out: -2359.998 $\pm$ 1033.043 χ^2 /NDF: 13.7/21

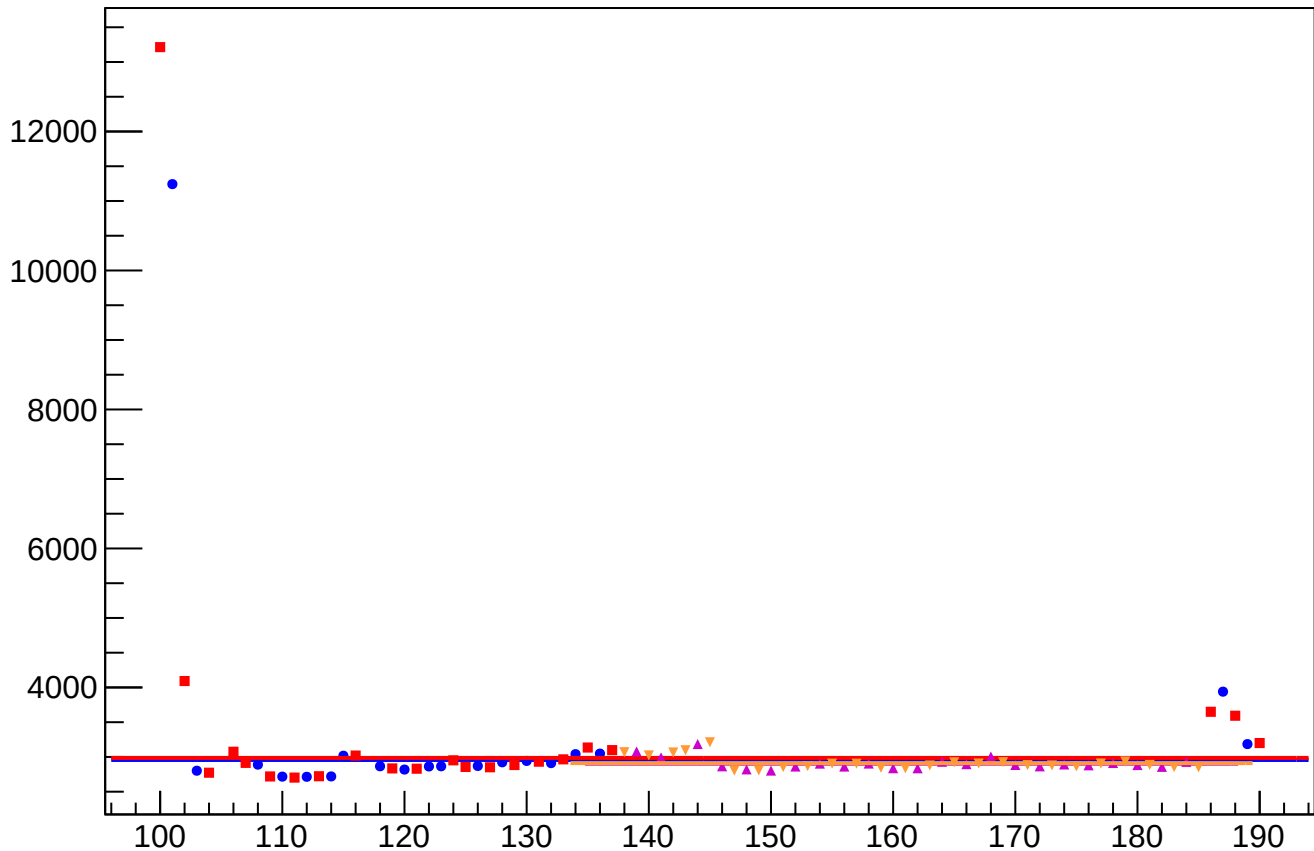
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

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

All: 137.083 $\pm$ 409.596 χ^2 /NDF: 146.9/88

- sign -2506.653 $\pm$ 577.099 χ^2 /NDF: 49.4/44

asym_atr1_rms vs Slug



Right In: 2956.716 $\pm$ 0.798 χ^2 /NDF: 686311.4/18

Left Out: 2911.226 $\pm$ 0.480 χ^2 /NDF: 36644.3/24

Right Out: 2986.040 $\pm$ 0.730 χ^2 /NDF: 258726.8/21

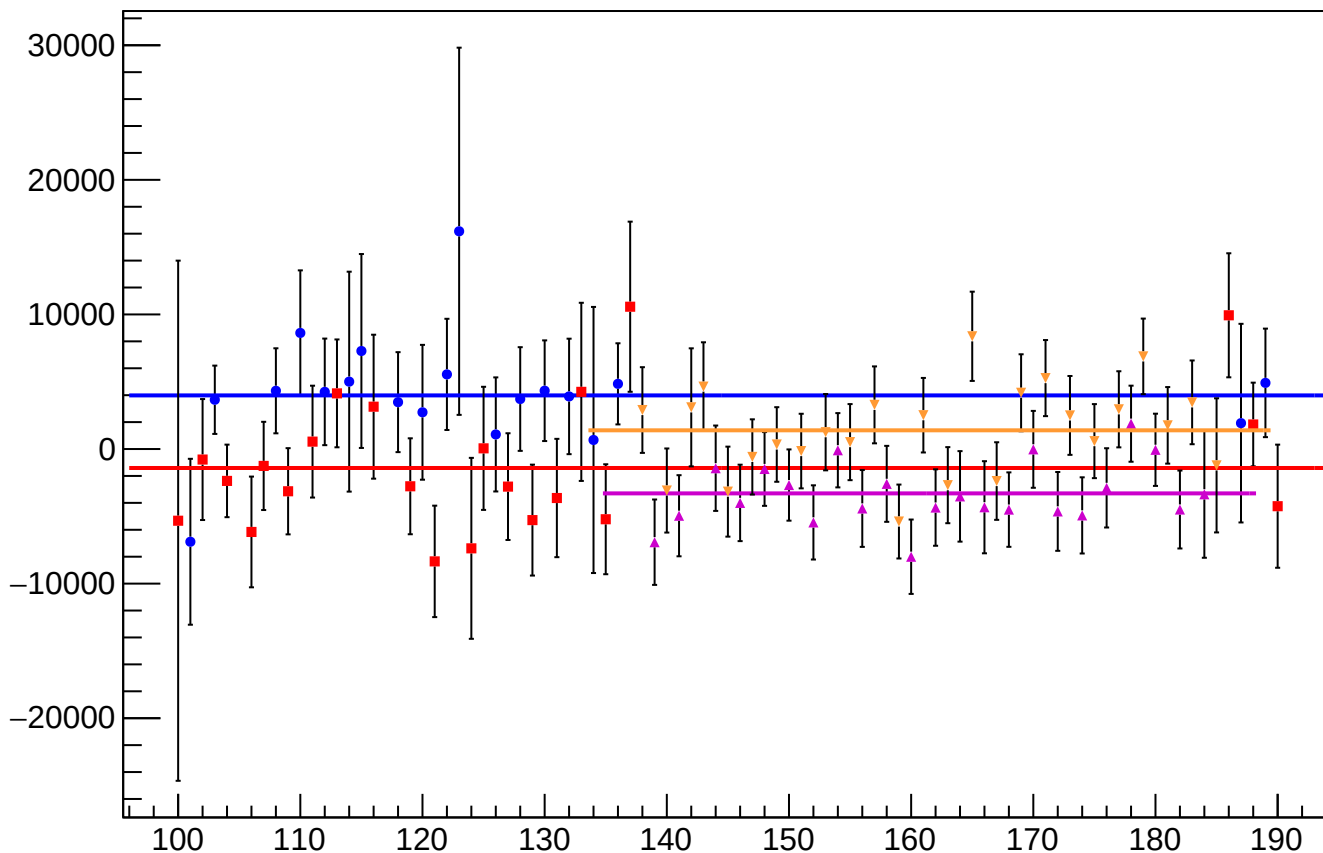
Left In: 2903.411 $\pm$ 0.492 χ^2 /NDF: 28838.5/22

+ sign 2923.311 $\pm$ 0.411 χ^2 /NDF: 725344.0/43

All: 2926.276 $\pm$ 0.290 χ^2 /NDF: 1021815.0/80

- sign 2929.197 $\pm$ 0.408 χ^2 /NDF: 296367.7/44

reg_asym_atr2_mean vs Slug



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

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

Right Out: -1408.980+/-883.127 χ^2/NDF : 22.5/21

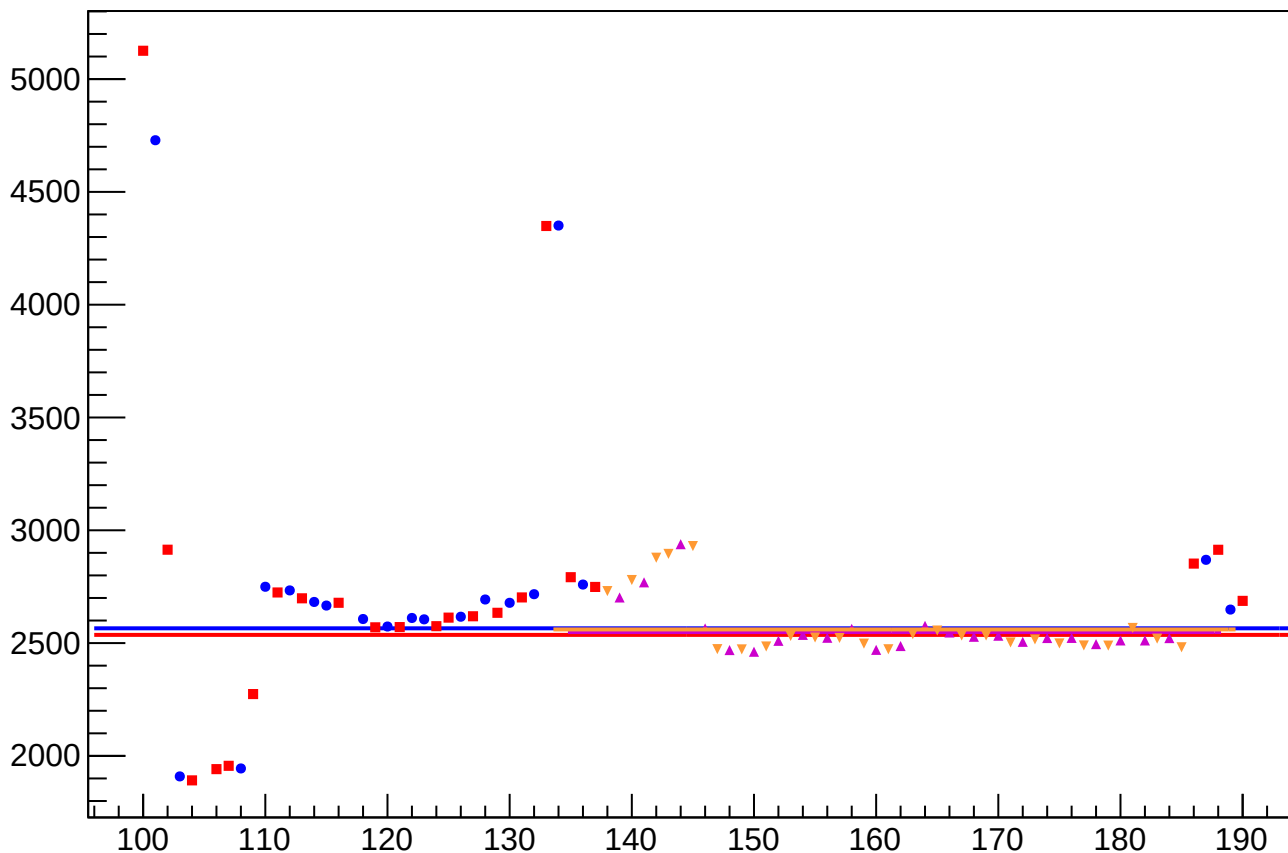
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

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

All: -327.673+/-357.334 χ^2/NDF : 125.8/88

- sign -2686.076+/-501.903 χ^2/NDF : 40.5/44

reg_asym_atr2_rms vs Slug



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: 2536.374 $\pm$ 0.624 χ^2 /NDF: 498261.9/21

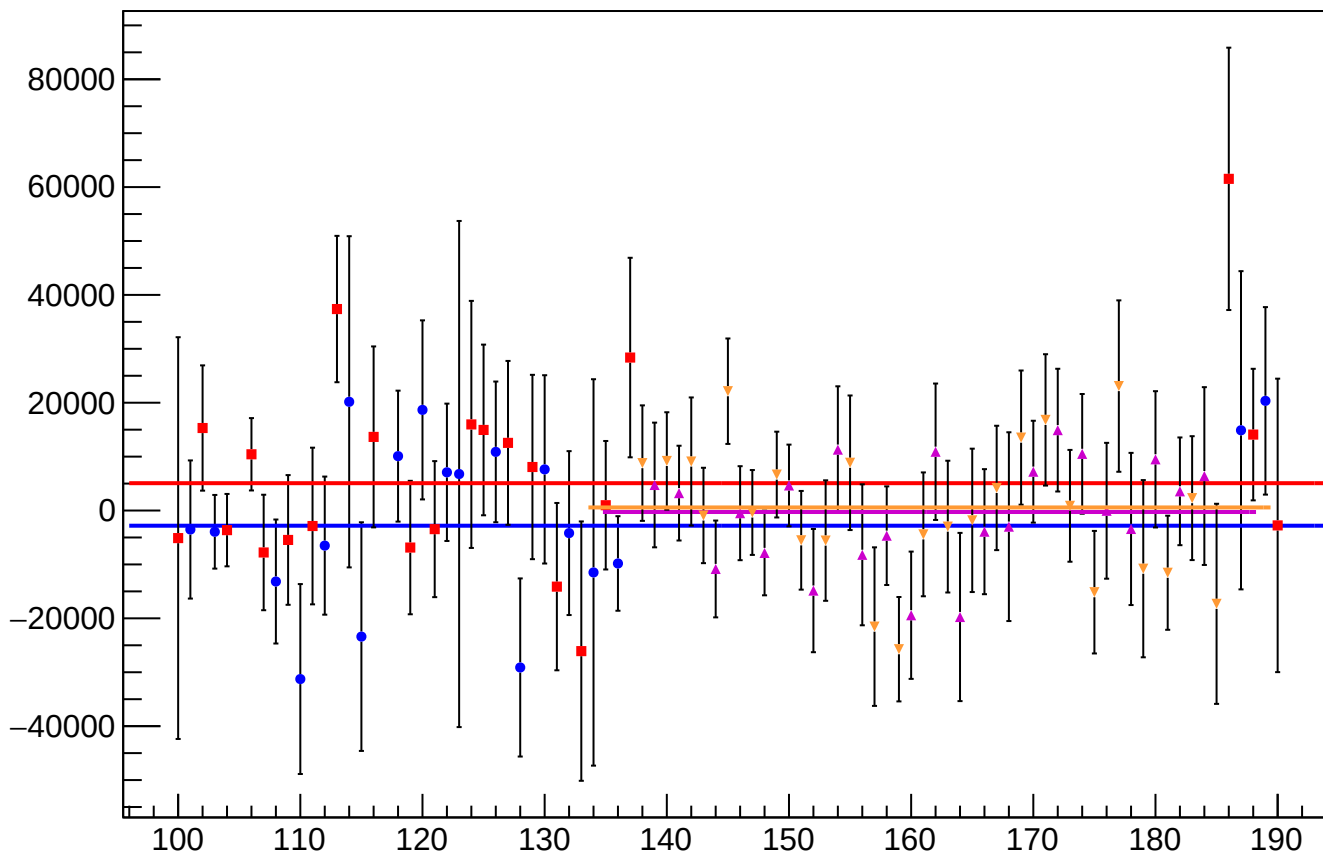
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2561.886 $\pm$ 0.360 χ^2 /NDF: 637049.9/43

All: 2553.242 $\pm$ 0.253 χ^2 /NDF: 1191987.5/86

- sign 2544.834 $\pm$ 0.355 χ^2 /NDF: 553799.1/44

asym_atr2_correction_mean vs Slug



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

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

Right Out: 5073.001 ± 2732.934 χ^2/NDF : 24.8/21

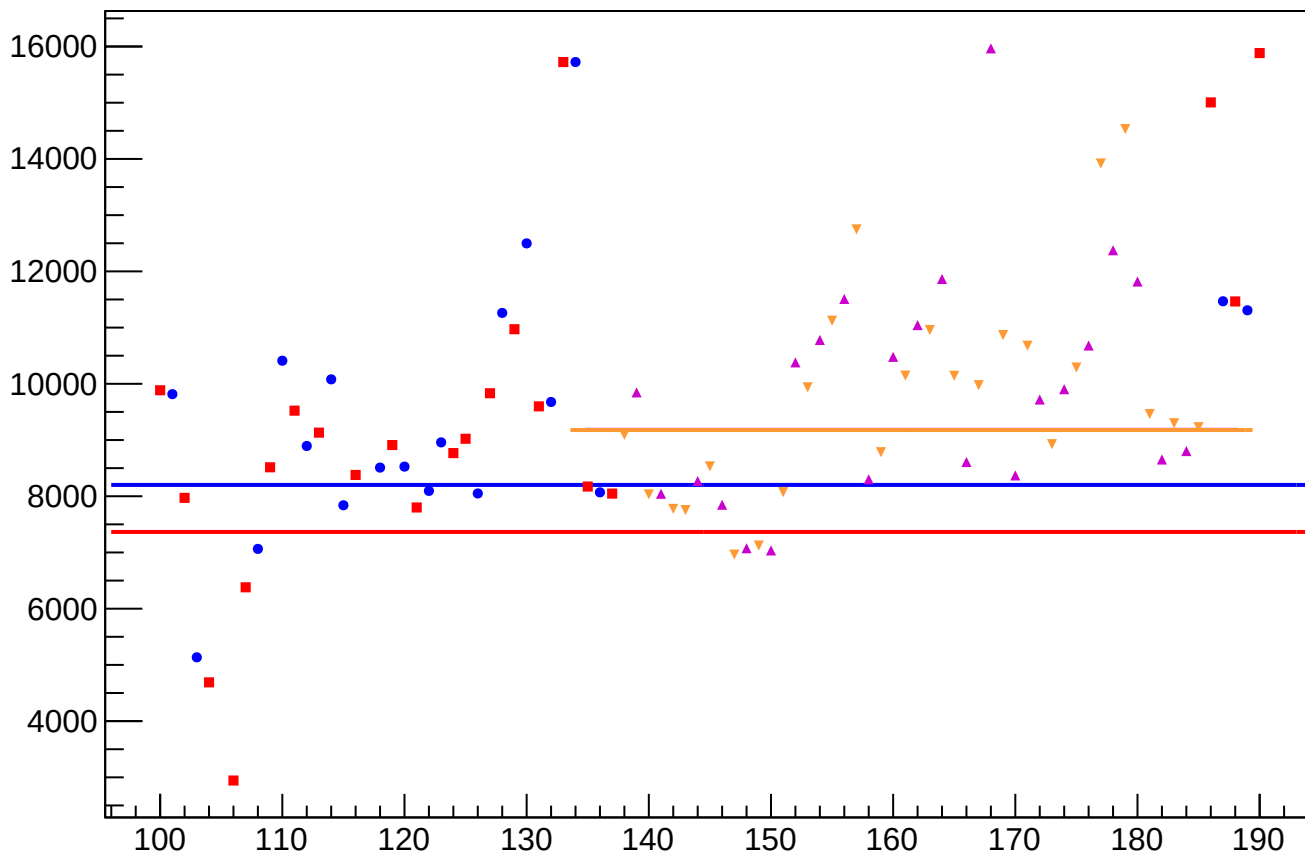
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

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

All: 720.318 ± 1247.741 χ^2/NDF : 88.0/88

- sign 1877.231 ± 1733.744 χ^2/NDF : 42.8/44

asym_atr2_correction_rms vs Slug



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

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

Right Out: 7365.128+/-1.932 χ^2/NDF : 2438948.7/21

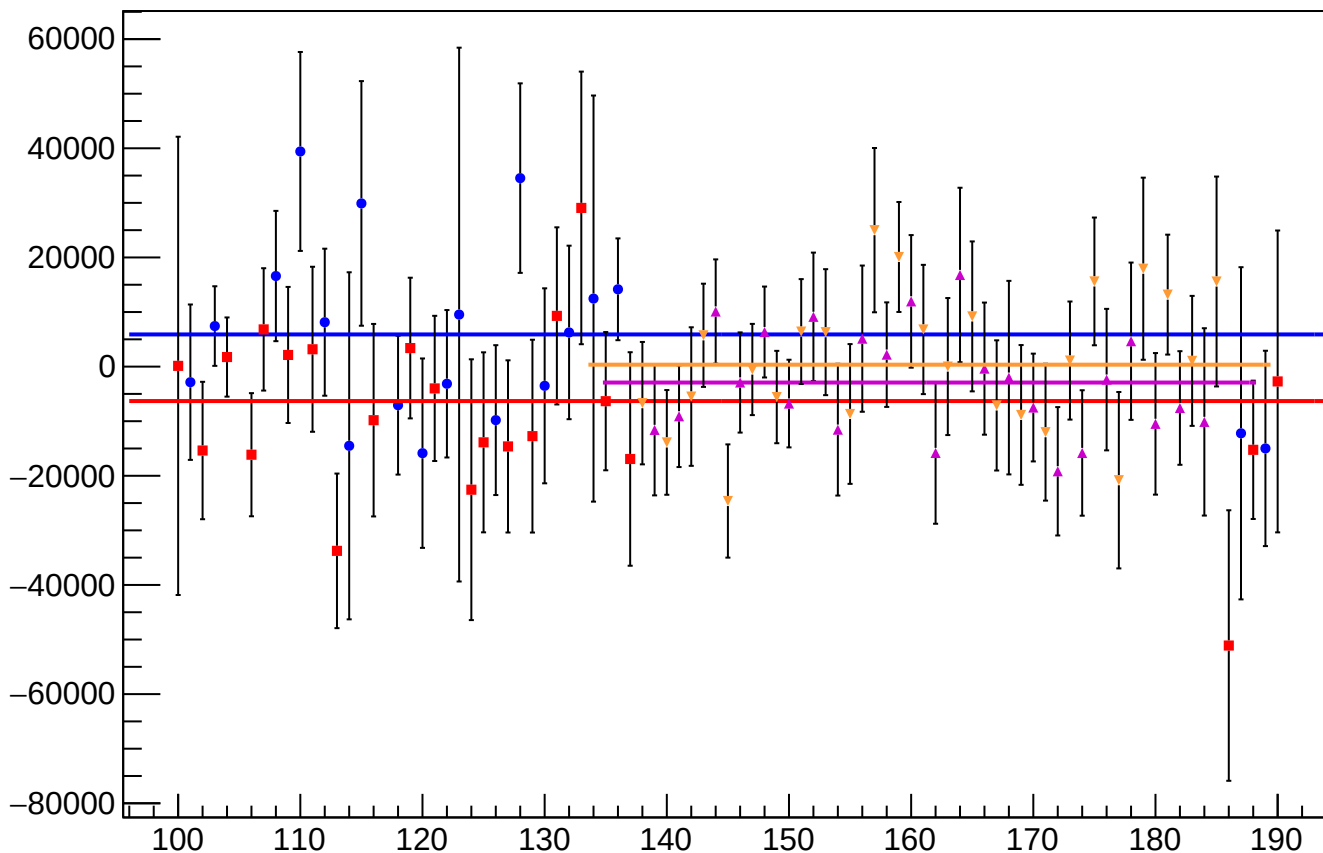
Left In: 9181.254+/-1.586 χ^2/NDF : 1236469.7/22

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

All: 8648.904+/-0.882 χ^2/NDF : 6450608.8/88

- sign 8450.355+/-1.226 χ^2/NDF : 4203180.8/44

asym_atr2_mean vs Slug



Right In: 5896.544 $\pm$ 3336.773 χ^2 /NDF: 16.1/18

Left Out: 355.717 $\pm$ 2281.682 χ^2 /NDF:26.2/24

Right Out: -6306.728 $\pm$ 3036.306 χ^2 /NDF: 17.2/21

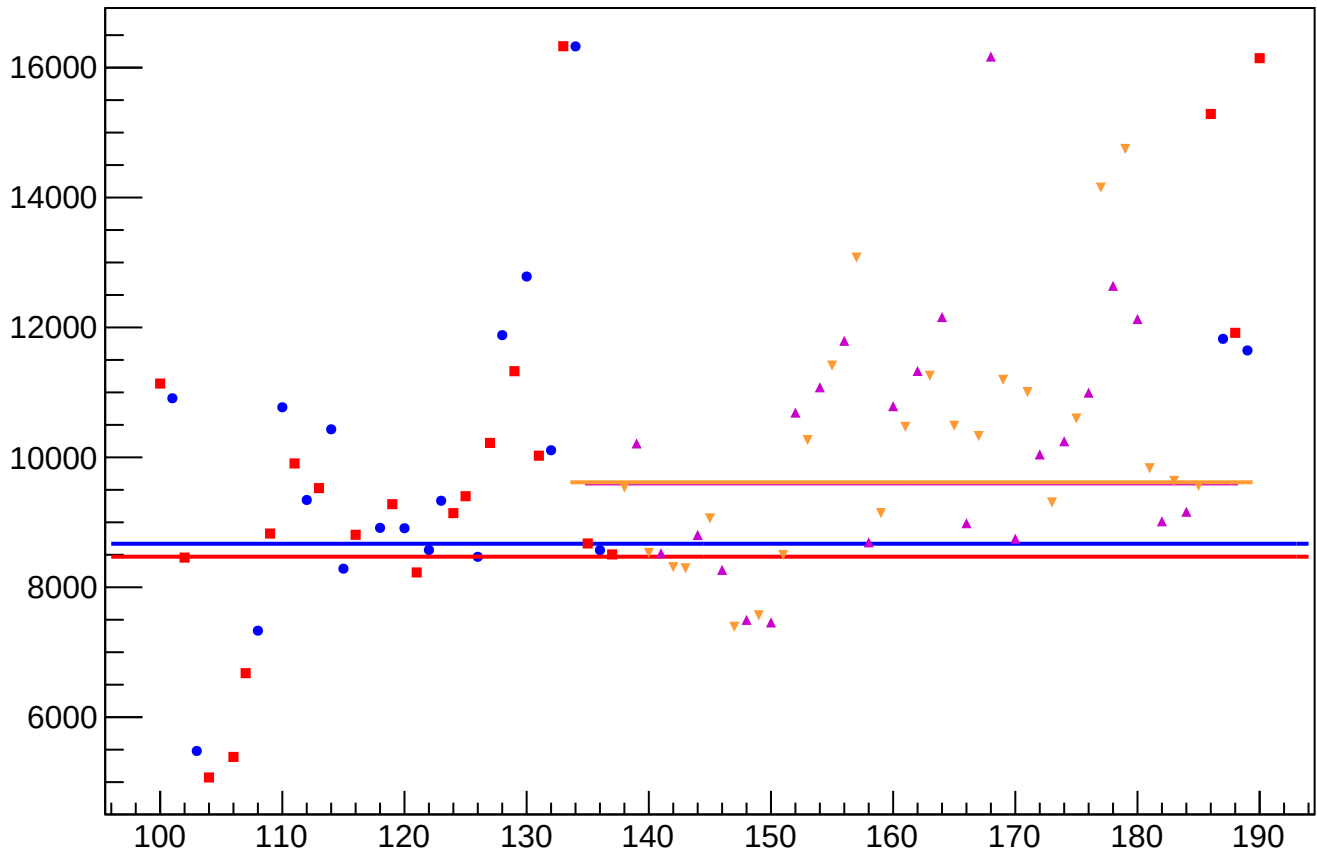
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF:14.9/22

+ sign 2121.062 $\pm$ 1883.450 χ^2 /NDF: 44.2/43

All: -1081.304 $\pm$ 1320.788 χ^2 /NDF: 82.9/88

- sign -4179.898 $\pm$ 1852.682 χ^2 /NDF: 33.0/44

asym_atr2_rms vs Slug



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

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

Right Out: 8470.488+/-2.147 χ^2/NDF : 1443149.4/21

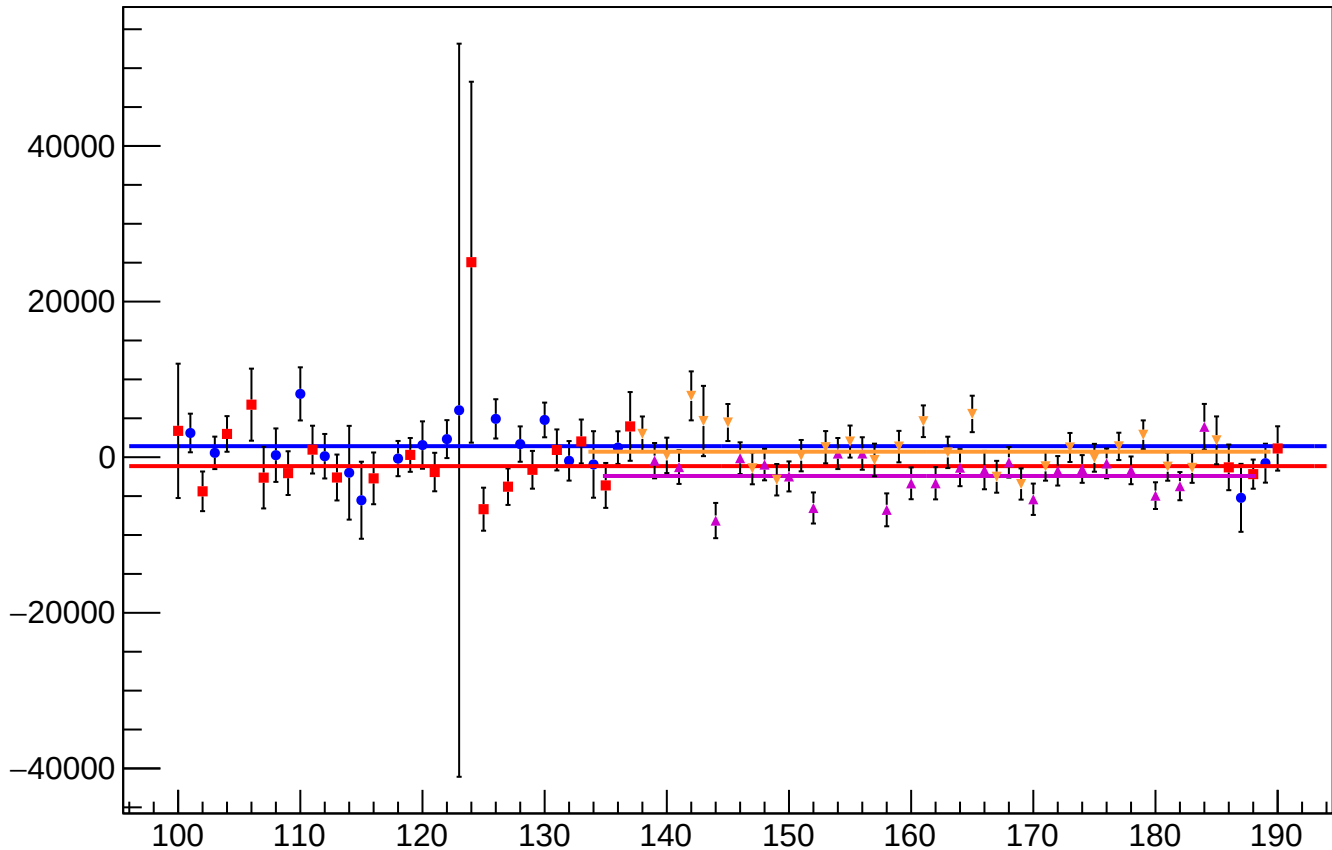
Left In: 9598.531+/-1.654 χ^2/NDF : 1082171.6/22

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

All: 9245.549+/-0.934 χ^2/NDF : 4675578.4/86

- sign 9178.526+/-1.310 χ^2/NDF : 2698601.4/44

reg_asym_atl_avg_mean vs Slug



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

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

Right Out: -1146.337+/-605.125 χ^2 /NDF: 21.3/21

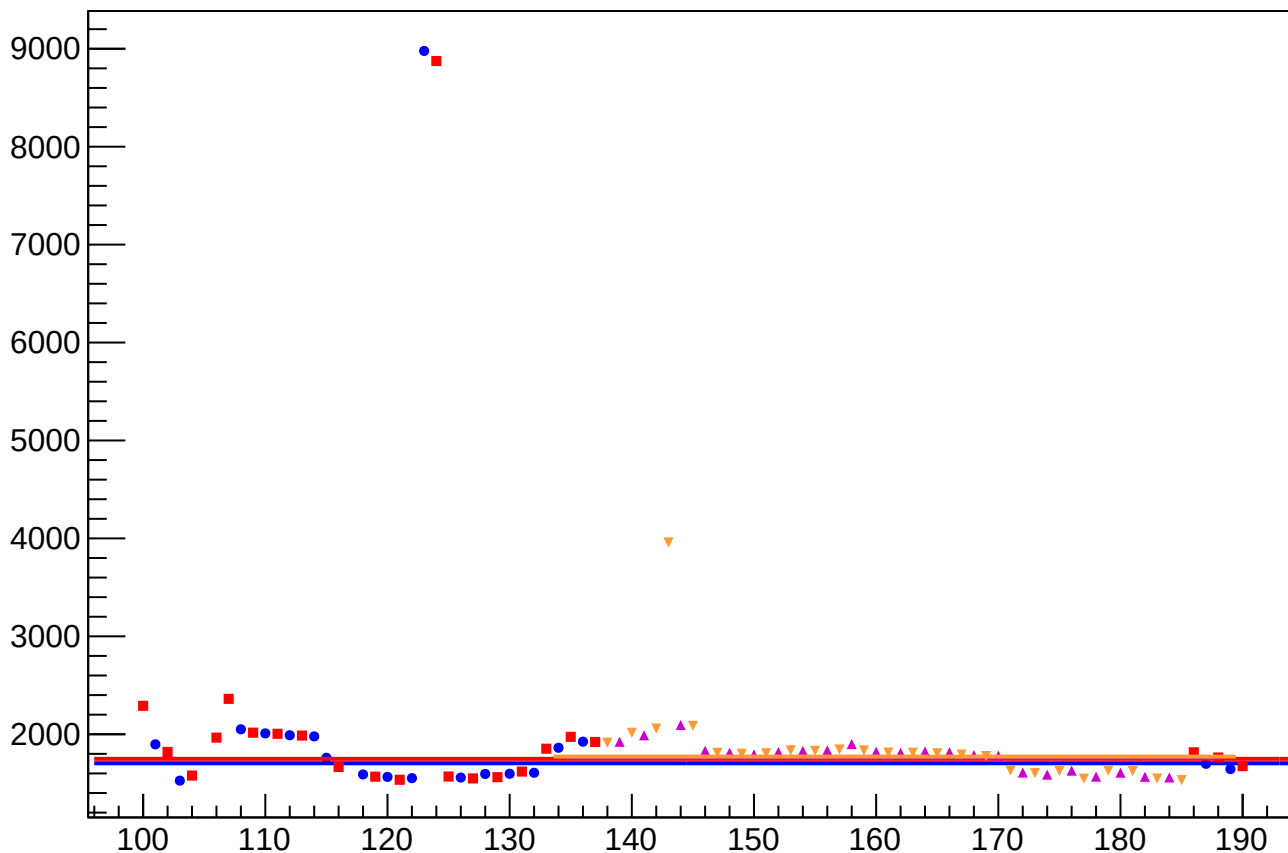
Left In: -2414.749+/-423.472 χ^2 /NDF: 34.0/22

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

All: -551.287+/-246.381 χ^2 /NDF: 144.9/88

- sign -1997.773+/-346.953 χ^2 /NDF: 58.2/44

reg_asym_atl_avg_rms vs Slug



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: 1749.161 $\pm$ 0.426 χ^2 /NDF: 398865.7/21

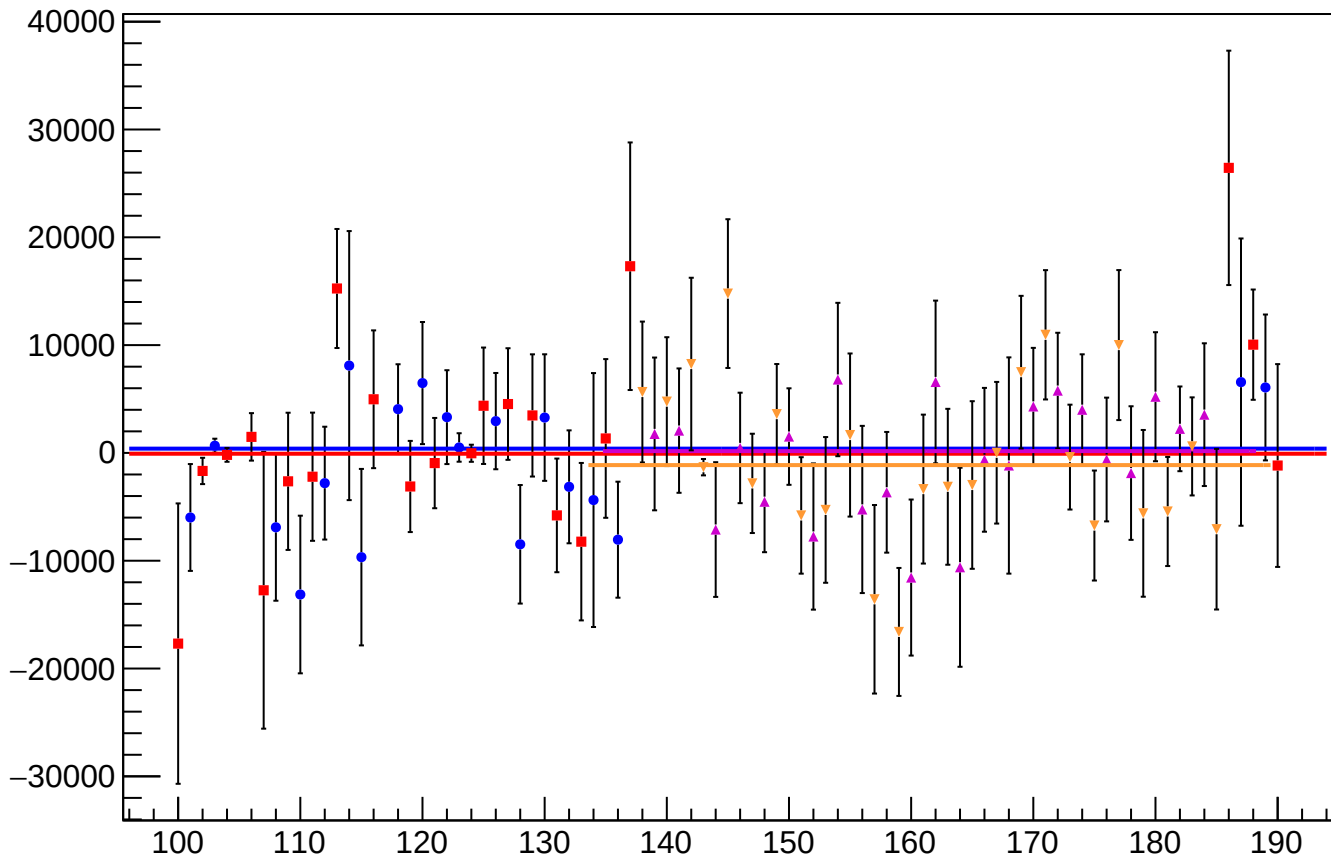
Left In: 1759.600 $\pm$ 0.299 χ^2 /NDF: 214891.5/22

+ sign 1751.769 $\pm$ 0.247 χ^2 /NDF: 915358.2/43

All: 1753.982 $\pm$ 0.174 χ^2 /NDF: 1529675.2/80

- sign 1756.151 $\pm$ 0.245 χ^2 /NDF: 614158.6/44

asym_atl_avg_correction_mean vs Slug



Right In: 397.009+/-538.506 χ^2/NDF : 18.2/18

Left Out: -1129.807+/-647.600 χ^2/NDF : 31.5/24

Right Out: -75.585+/-431.327 χ^2/NDF : 30.7/21

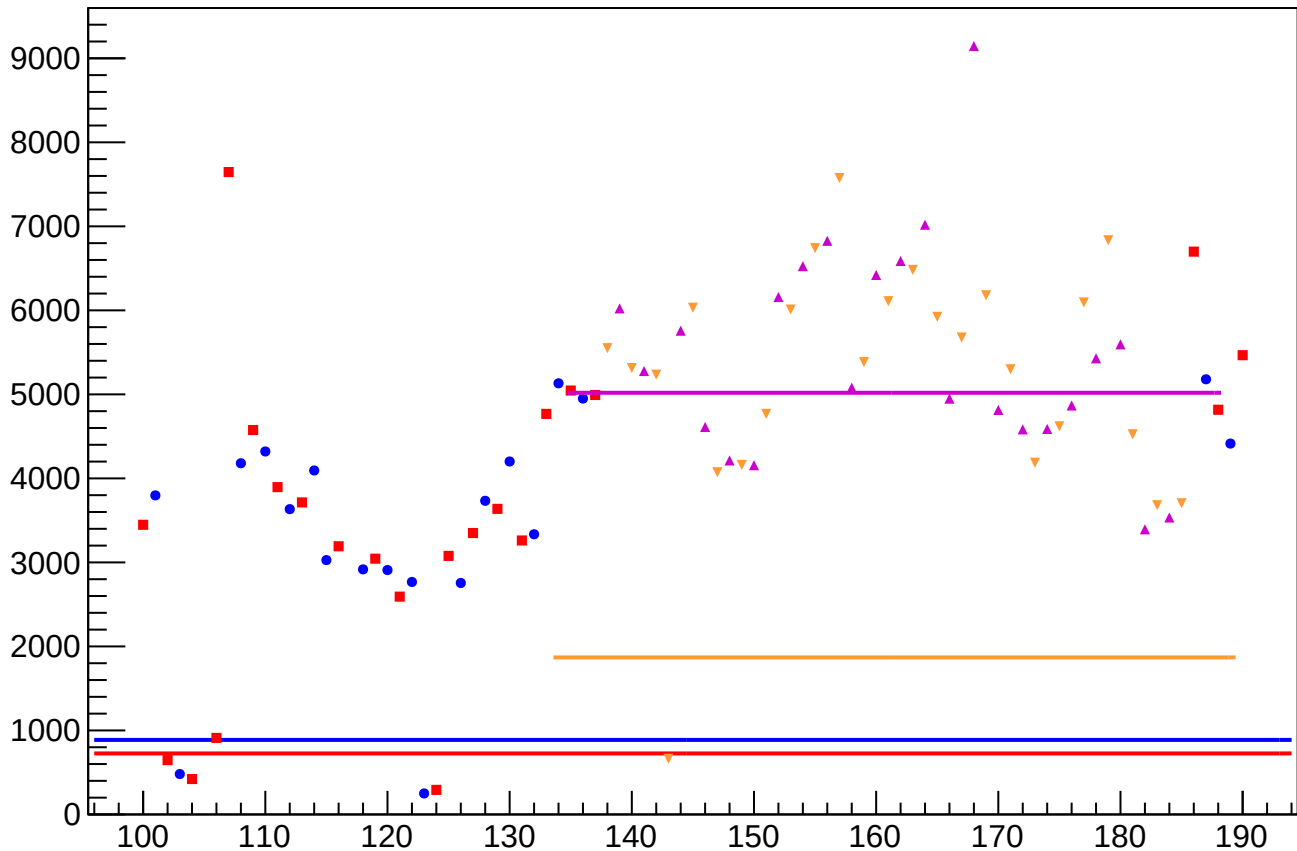
Left In: 168.182+/-1232.411 χ^2/NDF : 14.2/22

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

All: -136.559+/-290.296 χ^2/NDF : 98.0/88

- sign -48.984+/-407.113 χ^2/NDF : 44.9/44

asym_atl_avg_correction_rms vs Slug



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

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

Right Out: 726.362+/-0.305 χ^2/NDF : 10773888.7/21

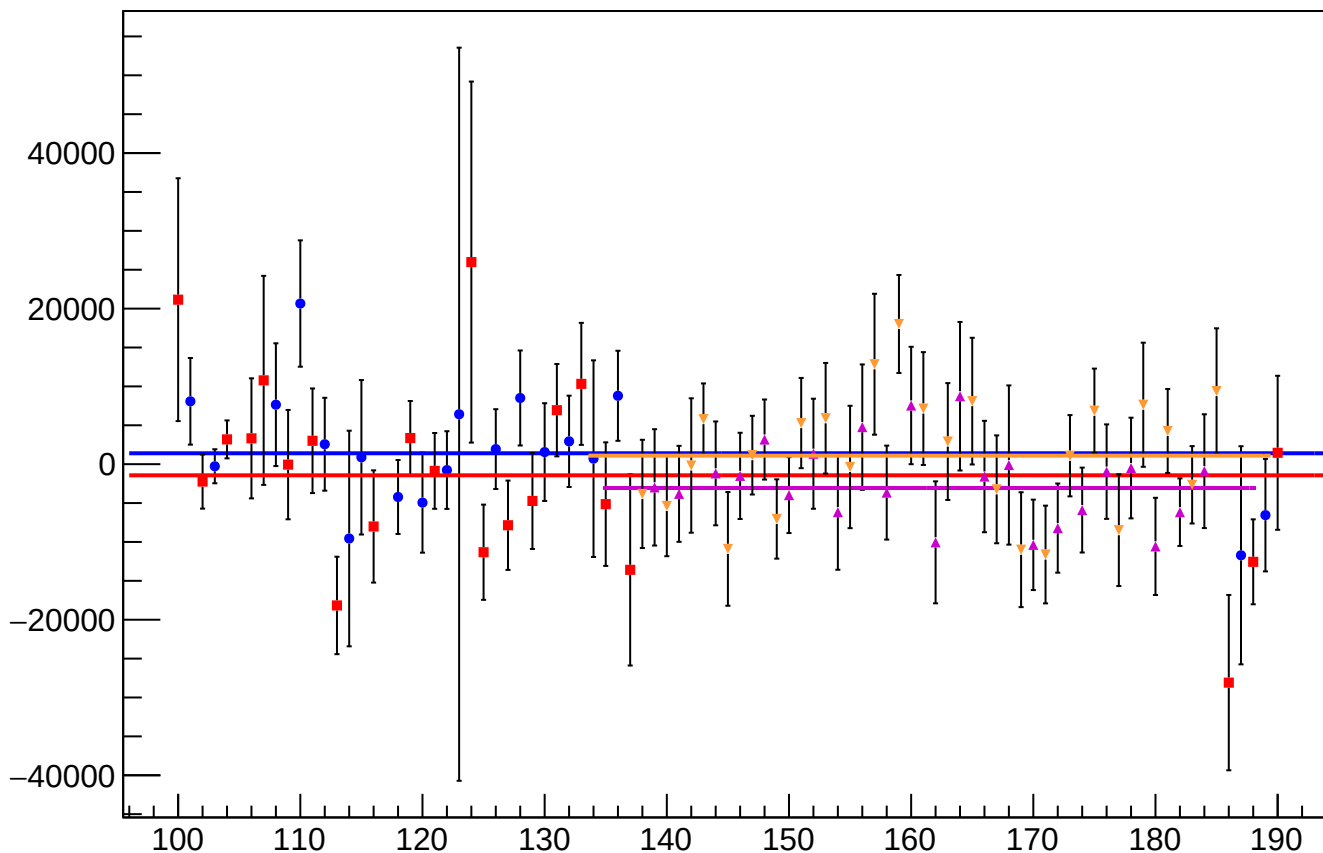
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

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

All: 1240.935+/-0.205 χ^2/NDF : 65465156.2/8

- sign 1194.803+/-0.288 χ^2/NDF : 33960526.9/44

asym_atl_avg_mean vs Slug



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

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

Right Out: -1431.127+/-1236.550 χ^2/NDF : 37.2/21

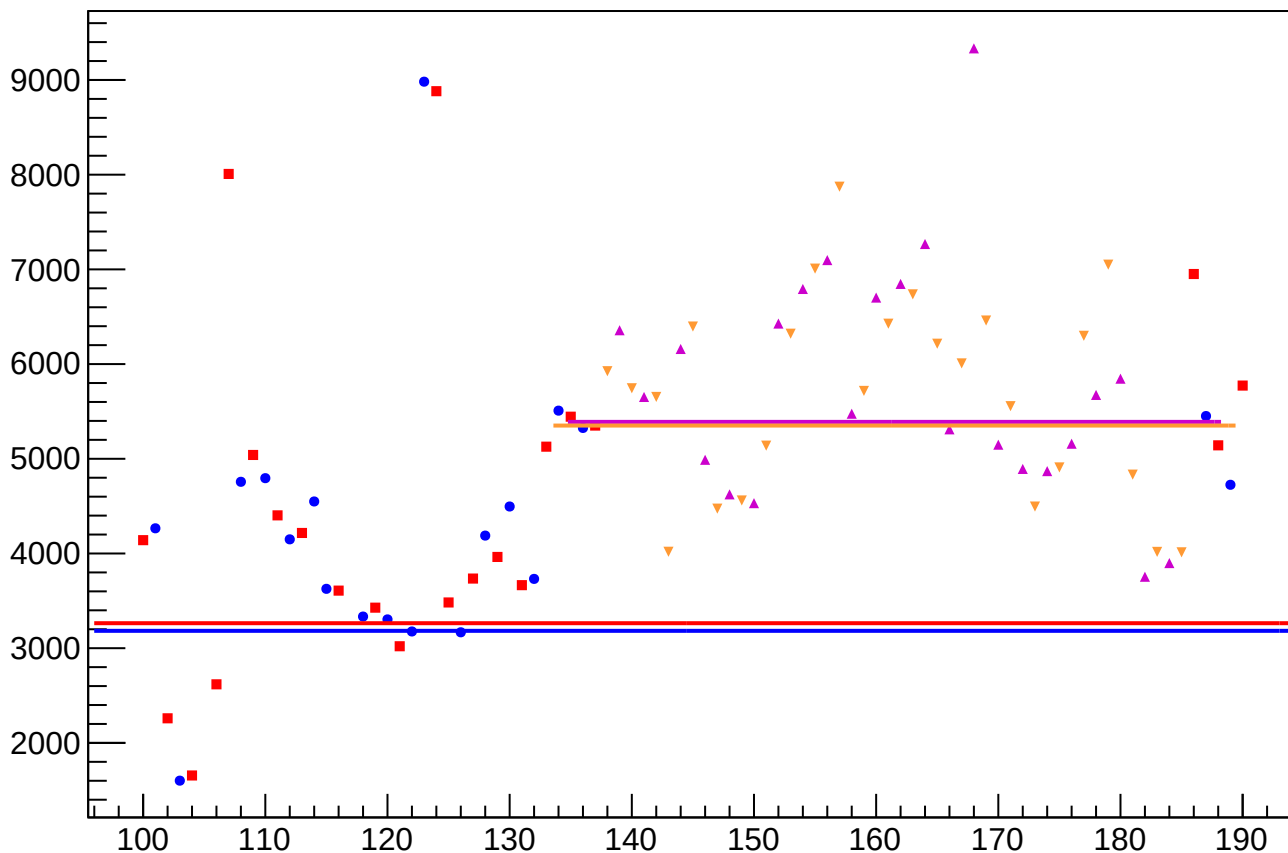
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

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

All: -480.880+/-638.811 χ^2/NDF : 106.5/88

- sign -2195.809+/-901.849 χ^2/NDF : 50.6/44

asym_atl_avg_rms vs Slug



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

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

Right Out: 3263.919+/-0.863 χ^2/NDF : 2630657.8/21

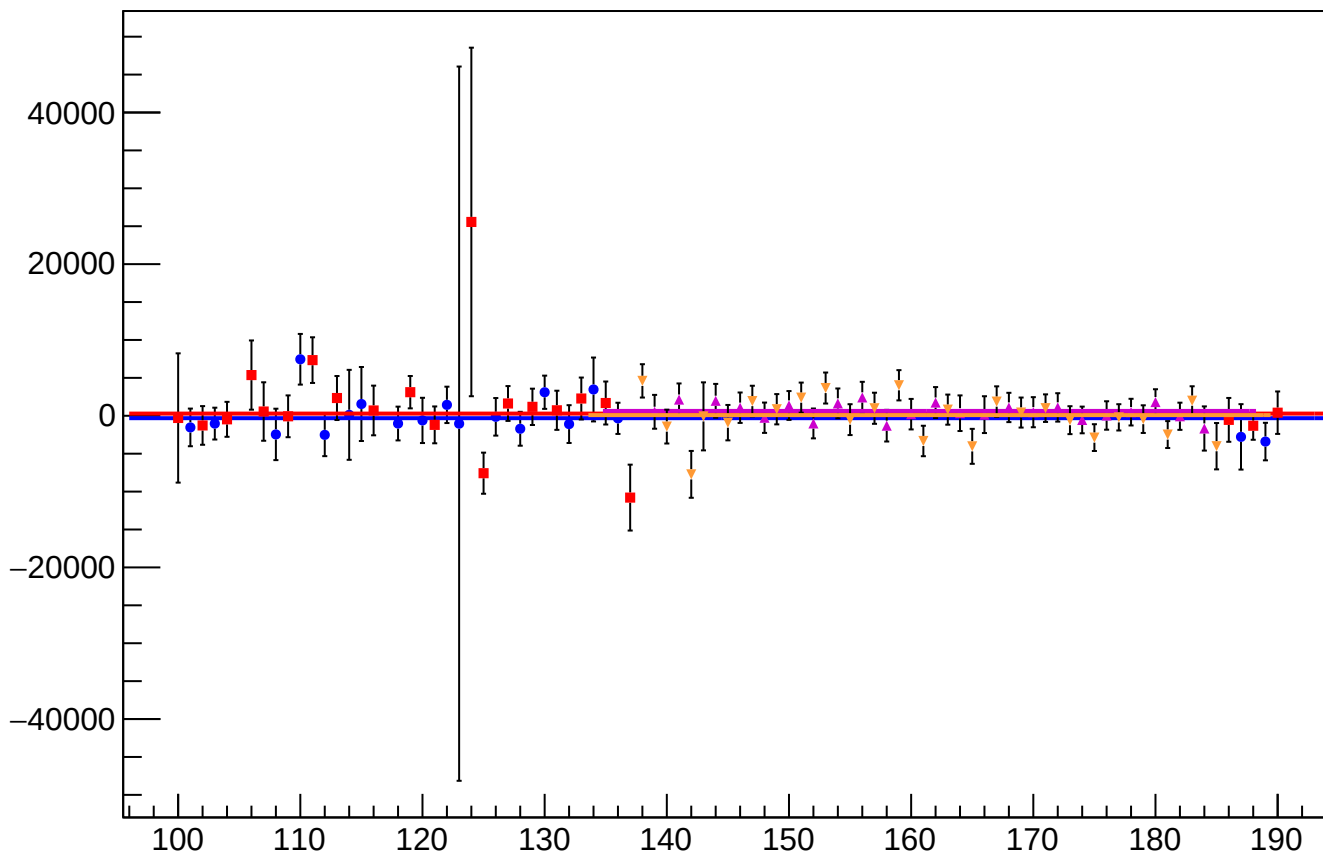
Left In: 5389.724+/-0.932 χ^2/NDF :1309863.0/22

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

All: 4261.447+/-0.450 χ^2/NDF : 12884530.6/8

- sign 4244.701+/-0.633 χ^2/NDF : 6742226.6/44

reg_asym_atl_dd_mean vs Slug



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

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

Right Out: 287.703 ± 596.308 χ^2/NDF : 28.1/21

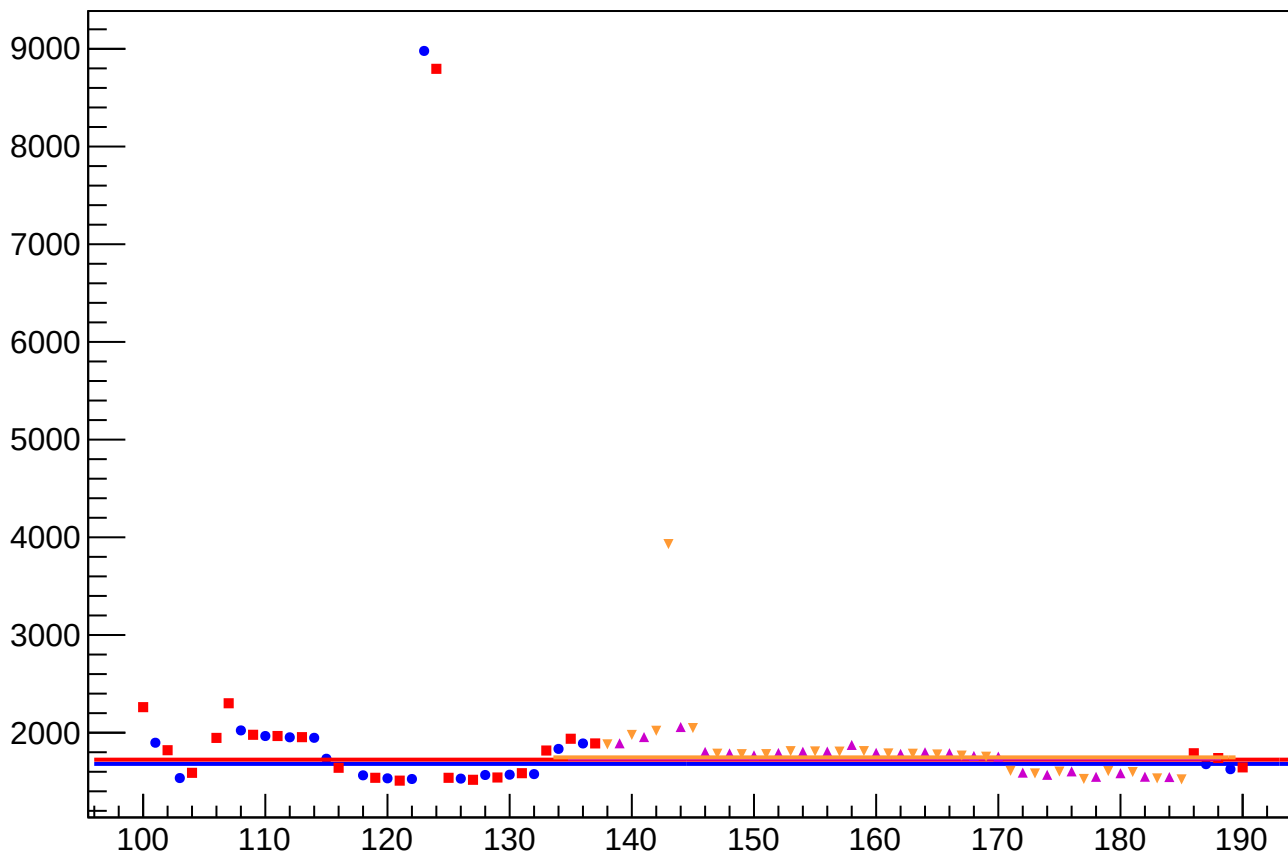
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

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

All: 247.680 ± 242.943 χ^2/NDF : 85.3/88

- sign 524.216 ± 342.086 χ^2/NDF : 34.5/44

reg_asym_atl_dd_rms vs Slug



Right In: 1680.719+/-0.448 χ^2/NDF : 195050.4/18

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

Right Out: 1724.101+/-0.420 χ^2/NDF : 395337.3/21

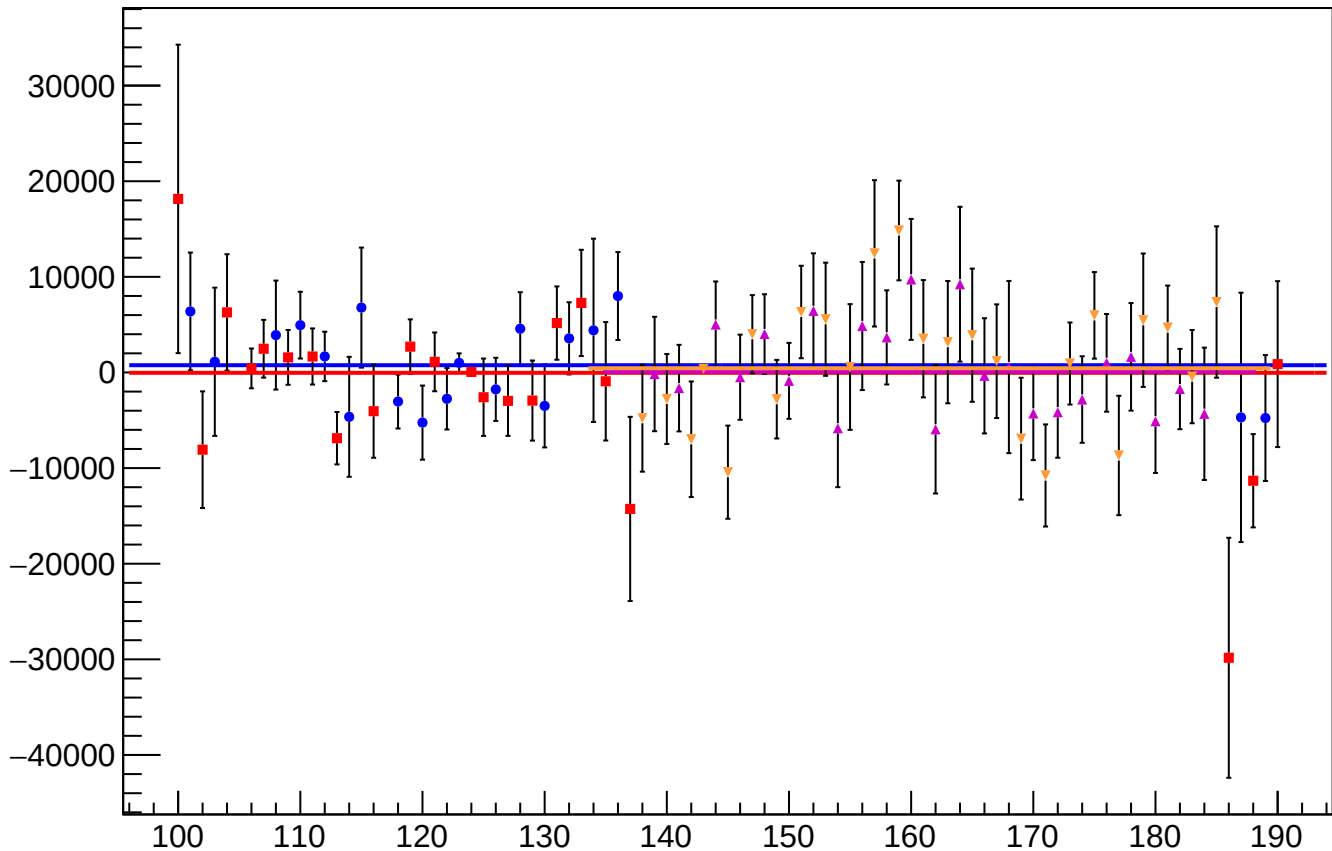
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1727.548+/-0.244 χ^2/NDF : 908793.9/43

All: 1729.674+/-0.172 χ^2/NDF : 1511544.2/80

- sign 1731.758+/-0.242 χ^2/NDF : 602600.1/44

asym_atl_dd_correction_mean vs Slug



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: -35.626 $\pm$ 355.909 χ^2 /NDF: 31.8/21

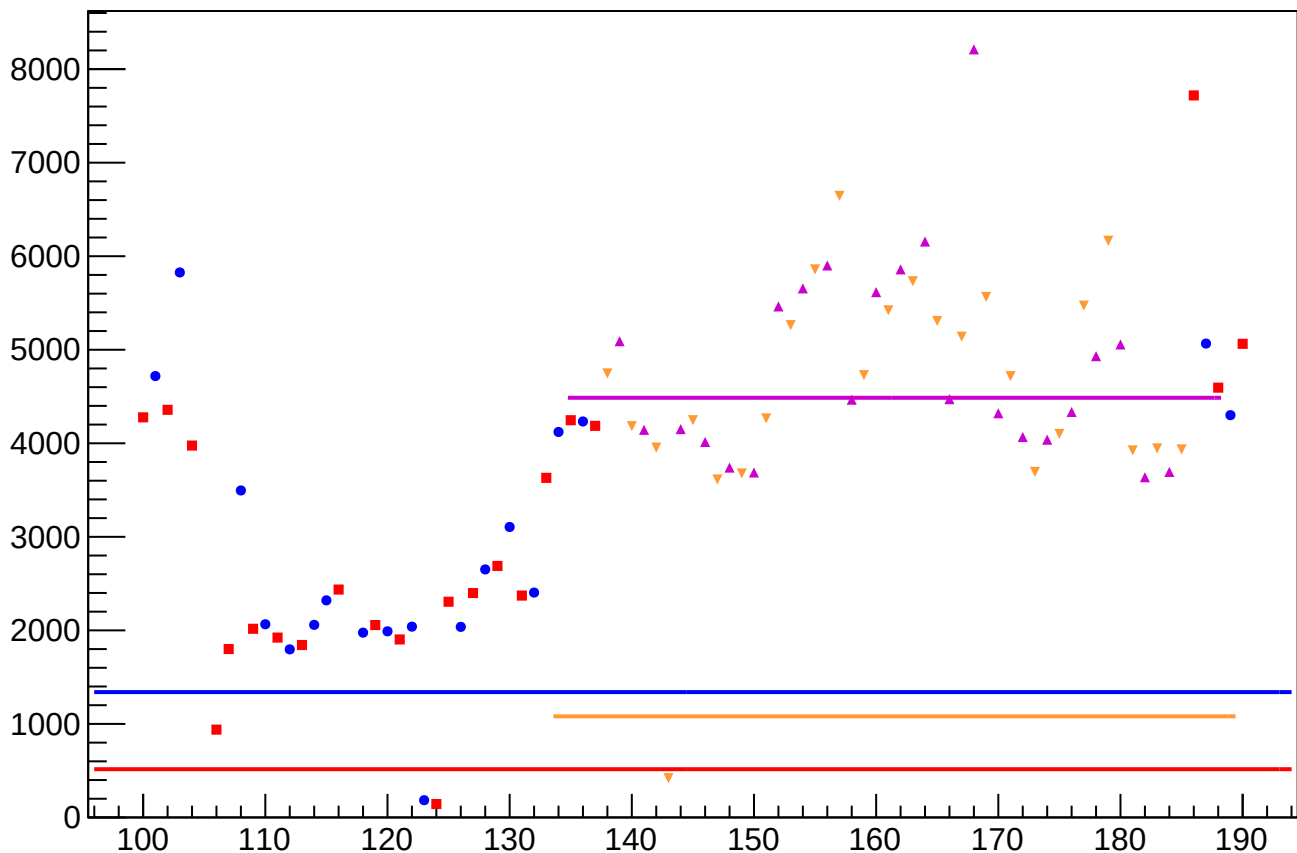
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF:13.4/22

+ sign 531.552 $\pm$ 372.991 χ^2 /NDF: 50.5/43

All: 227.018 $\pm$ 250.654 χ^2 /NDF: 97.0/88

- sign -23.761 $\pm$ 338.474 χ^2 /NDF: 45.3/44

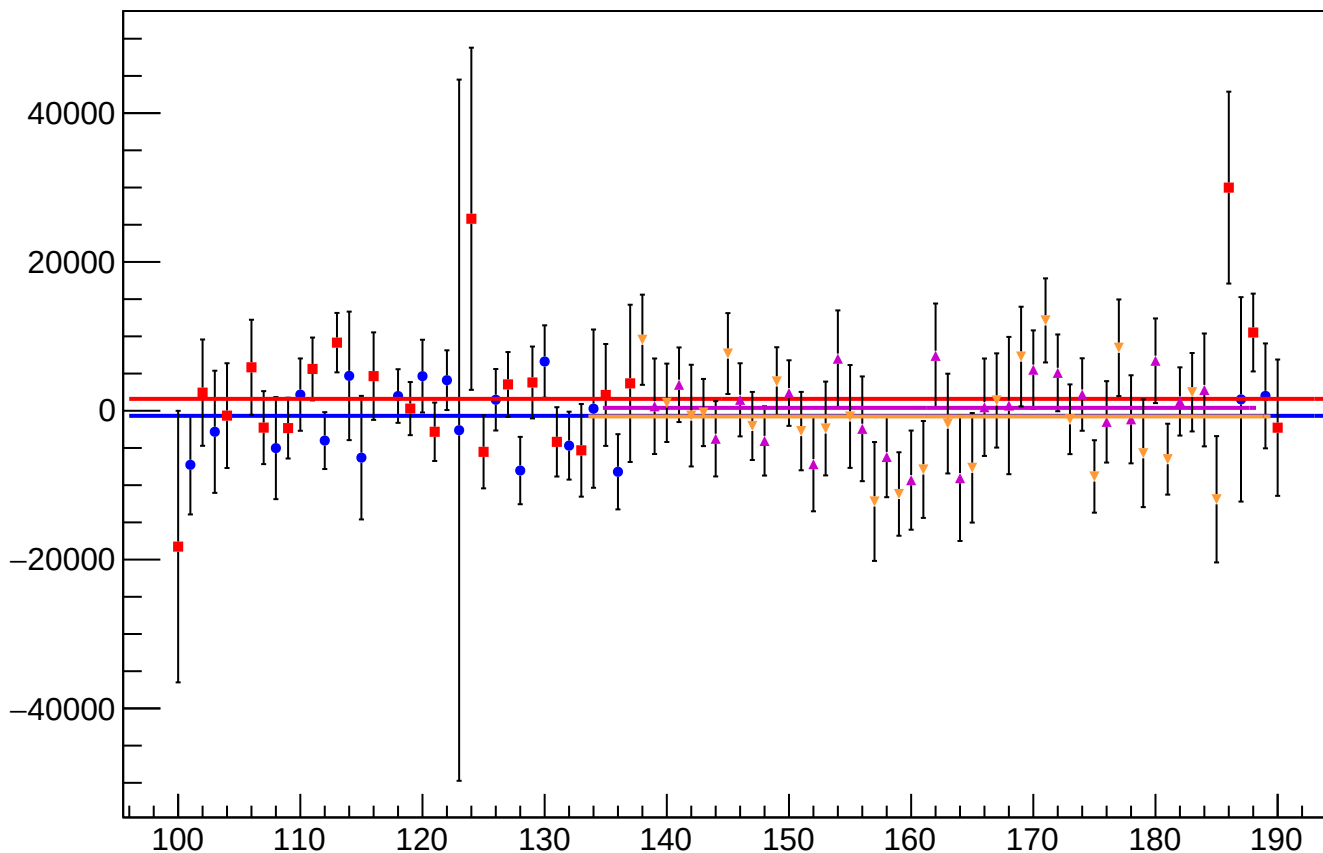
asym_atl_dd_correction_rms vs Slug



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: 515.840+/-0.252 χ^2/NDF : 12743207.3/21
 Left In: 4486.570+/-0.774 χ^2/NDF : 1181598.1/22

+ sign 1154.209+/-0.264 χ^2/NDF : 31737405.5/43
 All: 1012.249+/-0.177 χ^2/NDF : 69983135.2/8
 - sign 895.348+/-0.239 χ^2/NDF : 37717449.4/44

asym_atl_dd_mean vs Slug



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

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

Right Out: 1599.895+/-1150.311 χ^2/NDF : 23.8/21

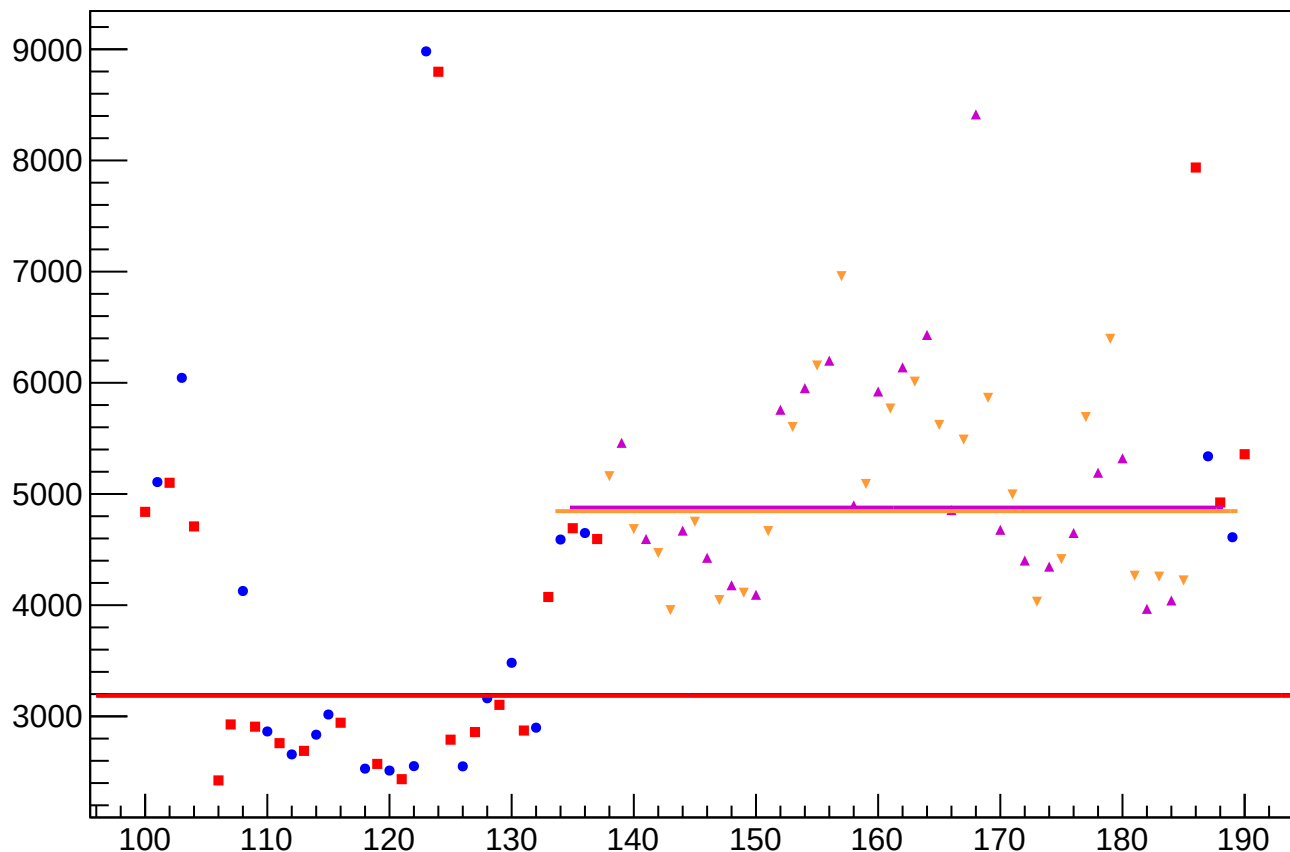
Left In: 388.944+/-1186.300 χ^2/NDF : 14.2/22

+ sign -727.029+/-842.325 χ^2/NDF : 44.8/43

All: 160.231+/-589.693 χ^2/NDF : 85.5/88

- sign 1013.066+/-825.823 χ^2/NDF : 38.5/44

asym_atl_dd_rms vs Slug



Right In: 3191.100+/-0.877 χ^2/NDF : 1077929.6/18

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

Right Out: 3184.547+/-0.804 χ^2/NDF : 1435560.4/21

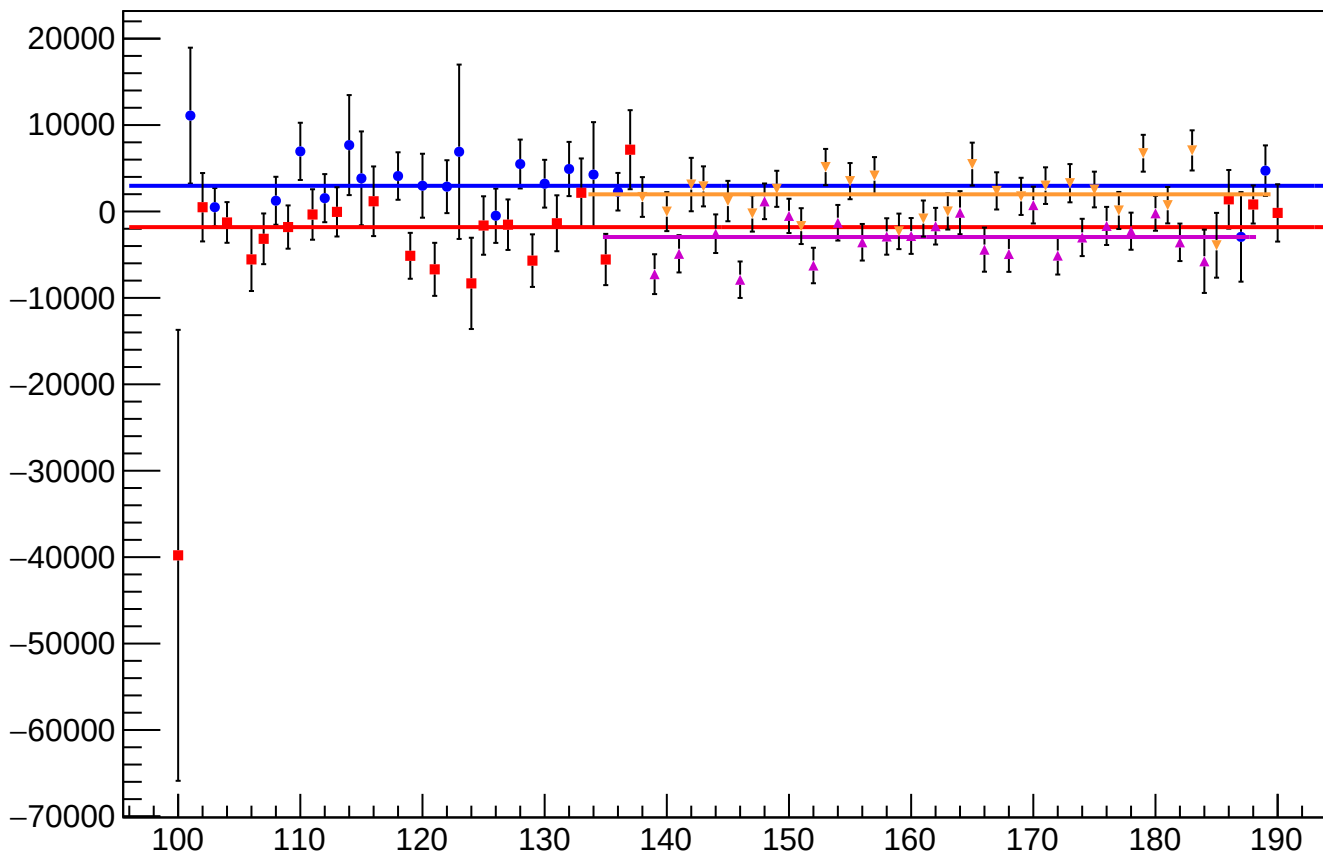
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4082.890+/-0.596 χ^2/NDF : 3904872.6/43

All: 4037.833+/-0.416 χ^2/NDF : 8433191.0/80

- sign 3995.045+/-0.580 χ^2/NDF : 4517160.9/44

reg_asym_atr_avg_mean vs Slug



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: -1811.893 ± 674.433 χ^2/NDF : 21.2/21

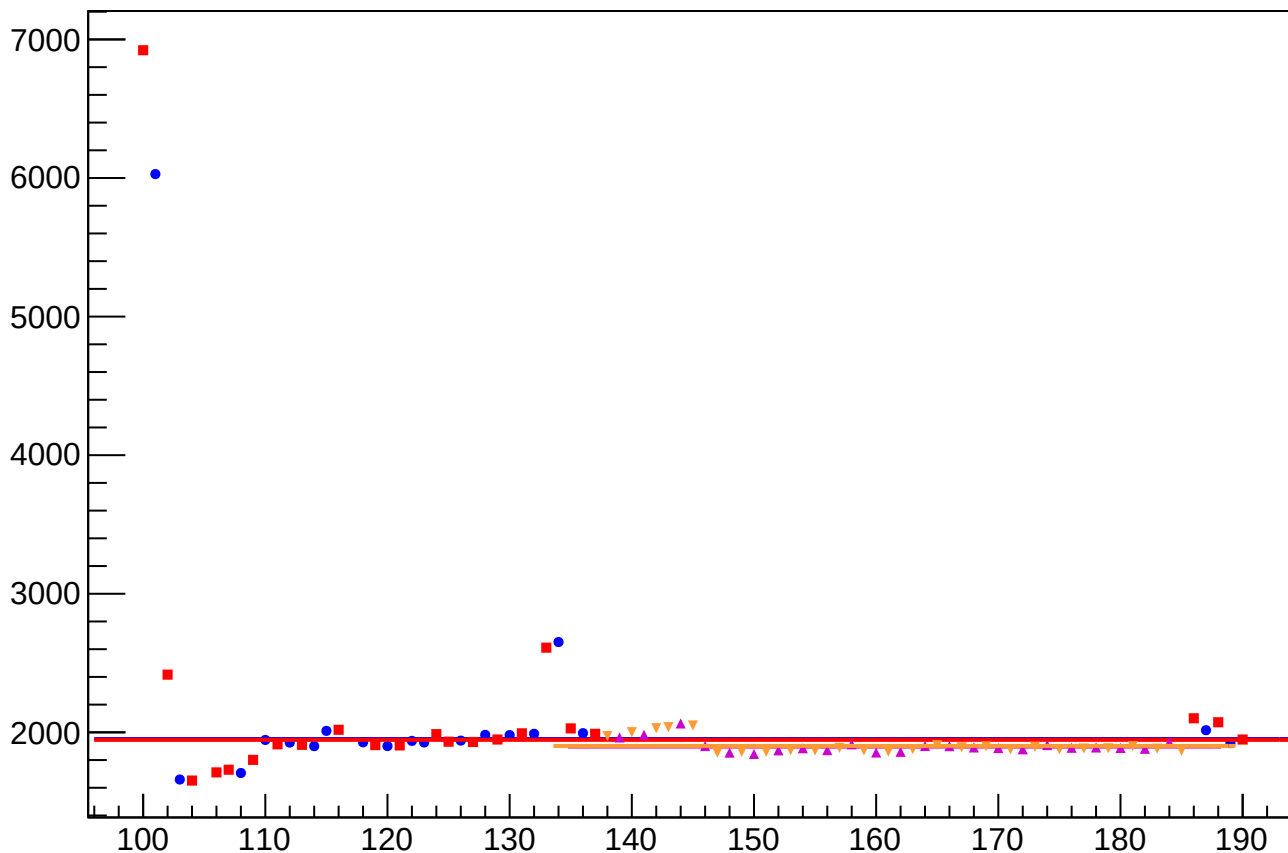
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2243.276 ± 380.714 χ^2/NDF : 43.4/43

All: -201.809 ± 267.859 χ^2/NDF : 176.7/88

- sign -2598.562 ± 376.933 χ^2/NDF : 51.6/44

reg_asym_atr_avg_rms vs Slug



Right In: 1951.455+/-0.526 χ^2/NDF : 617898.9/18

Left Out: 1901.884+/-0.313 χ^2/NDF : 30446.9/24

Right Out: 1945.847+/-0.476 χ^2/NDF : 230076.4/21

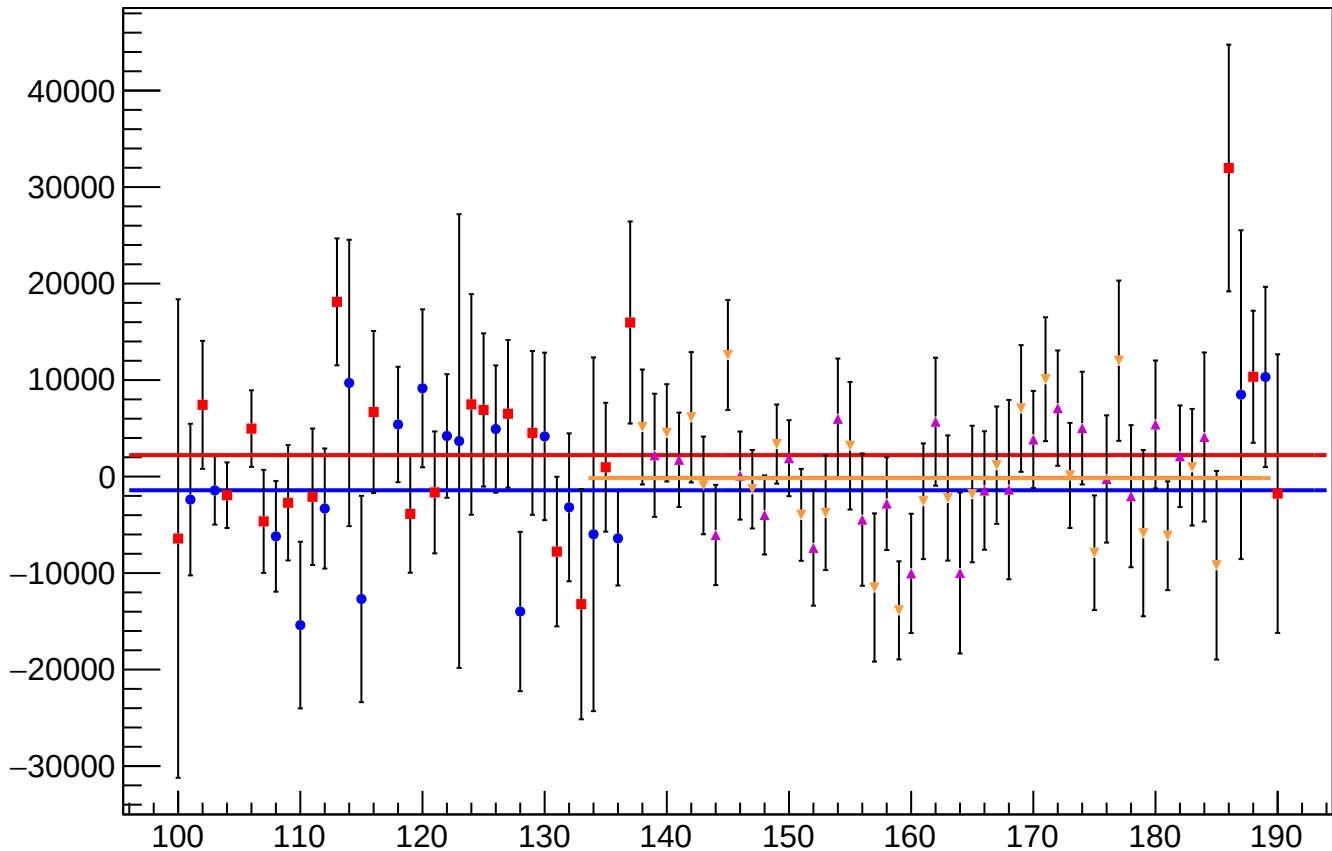
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1914.875+/-0.269 χ^2/NDF : 654903.0/43

All: 1913.731+/-0.189 χ^2/NDF : 913294.5/88

- sign 1912.612+/-0.266 χ^2/NDF : 258355.7/44

asym_atr_avg_correction_mean vs Slug



Right In: -1418.018 $\pm$ 1631.646 χ^2 /NDF: 15.6/18

Left Out: -157.539 $\pm$ 1165.844 χ^2 /NDF: 29.5/24

Right Out: 2226.873 $\pm$ 1430.015 χ^2 /NDF: 25.9/21

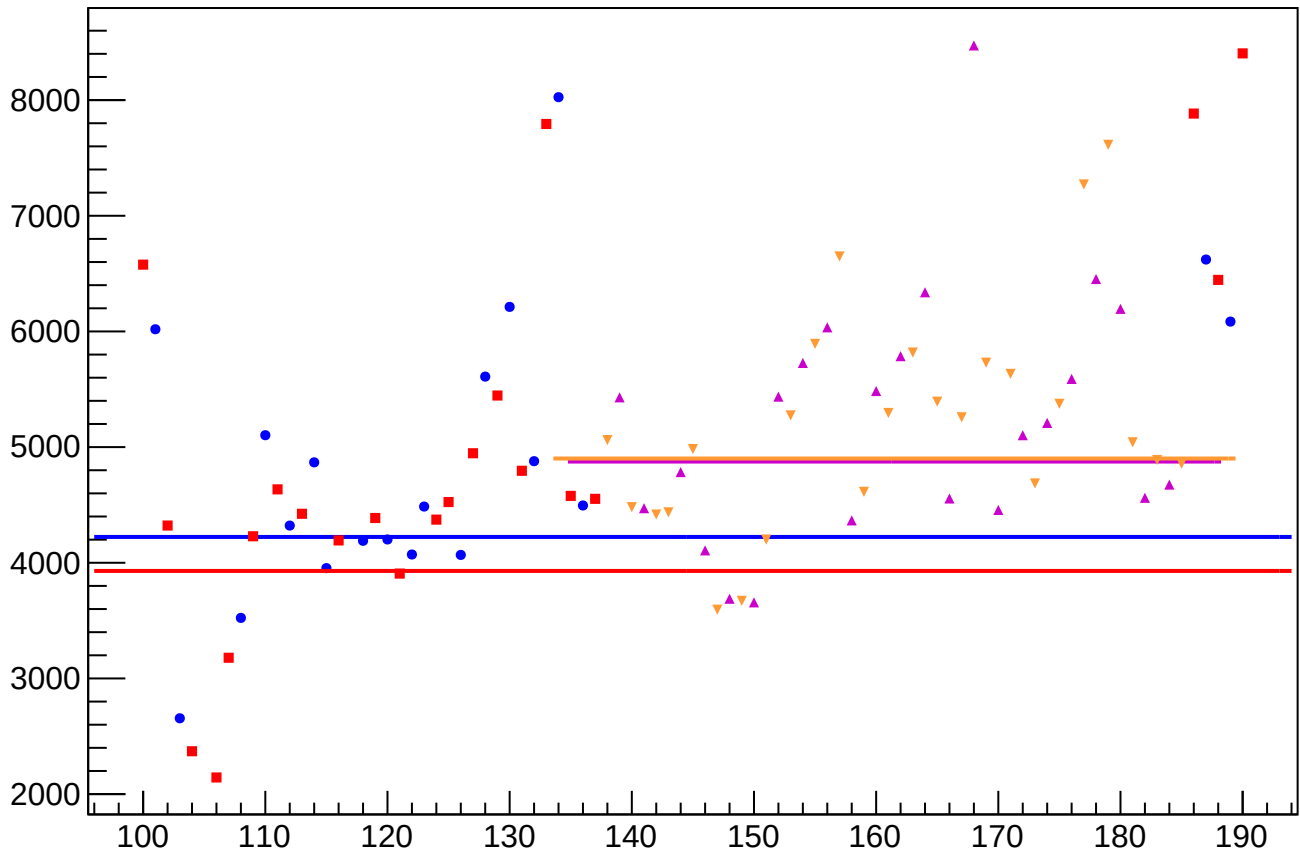
Left In: -139.000 $\pm$ 1190.889 χ^2 /NDF: 14.7/22

+ sign -583.562 $\pm$ 948.581 χ^2 /NDF: 45.5/43

All: 148.522 $\pm$ 658.597 χ^2 /NDF: 88.8/88

- sign 829.862 $\pm$ 915.115 χ^2 /NDF: 42.2/44

asym_atr_avg_correction_rms vs Slug



Right In: 4223.310+/-1.154 χ^2/NDF : 942064.6/18

Left Out: 4901.357+/-0.824 χ^2/NDF : 1136916.0/24

Right Out: 3929.483+/-1.011 χ^2/NDF : 1973603.6/21

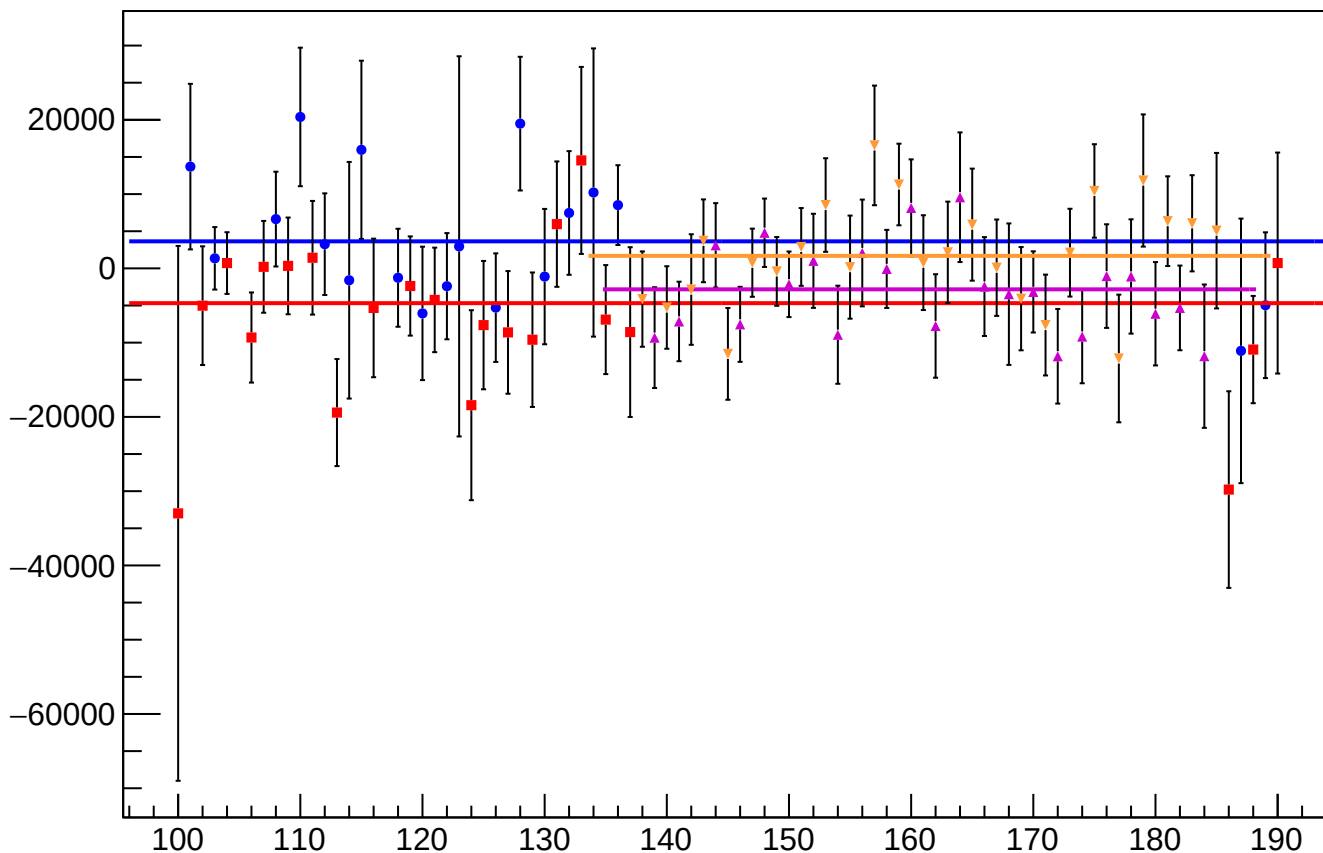
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4672.187+/-0.671 χ^2/NDF : 2307627.5/43

All: 4576.716+/-0.466 χ^2/NDF : 6065959.3/80

- sign 4487.862+/-0.647 χ^2/NDF : 3719217.3/44

asym_atr_avg_mean vs Slug



Right In: 3638.494+/-1833.085 χ^2/NDF : 15.6/18

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -4684.112+/-1657.142 χ^2/NDF : 19.5/21

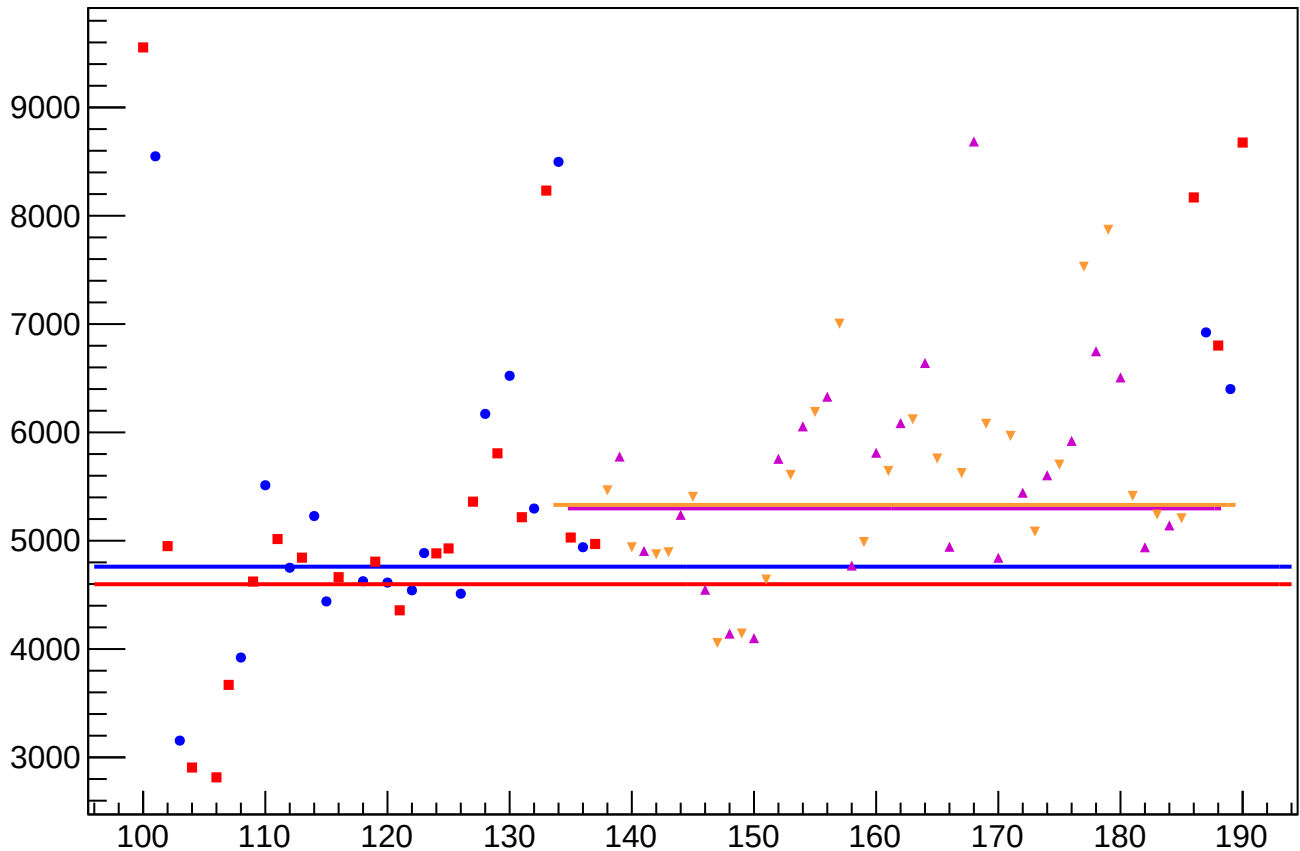
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2313.971+/-1039.281 χ^2/NDF : 41.8/43

All: -668.256+/-726.933 χ^2/NDF : 96.2/88

- sign -3524.847+/-1017.154 χ^2/NDF : 38.3/44

asym_atr_avg_rms vs Slug



Right In: 4760.324+/-1.296 χ^2/NDF : 872336.6/18

Left Out: 5330.725+/-0.892 χ^2/NDF : 868061.7/24

Right Out: 4598.408+/-1.166 χ^2/NDF : 1354312.5/21

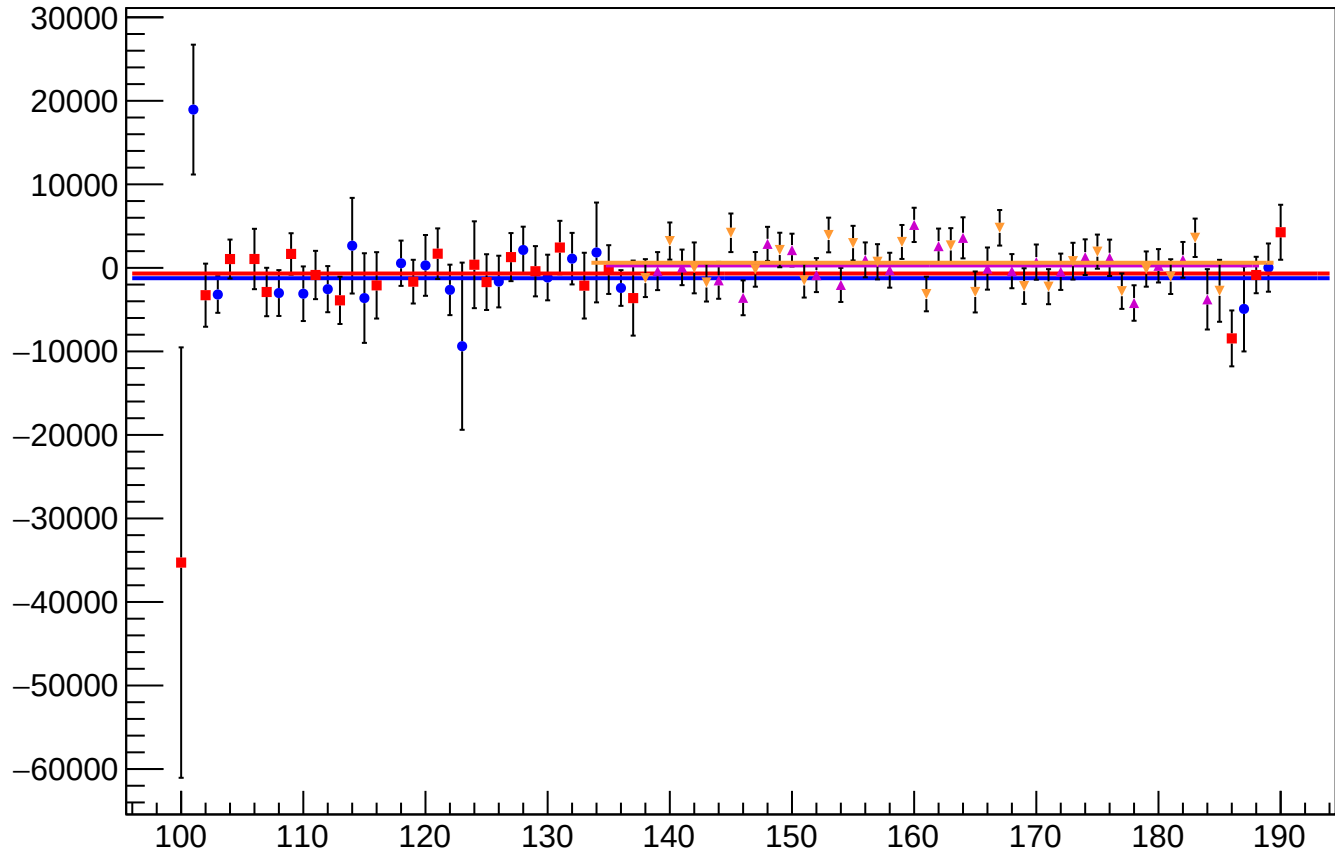
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5147.375+/-0.735 χ^2/NDF : 1871803.5/43

All: 5088.777+/-0.513 χ^2/NDF : 4418412.1/86

- sign 5032.875+/-0.718 χ^2/NDF : 2534184.9/44

reg_asym_atr_dd_mean vs Slug



Right In: -1239.174 ± 733.934 χ^2/NDF : 14.0/18

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -676.317 ± 665.817 χ^2/NDF : 16.5/21

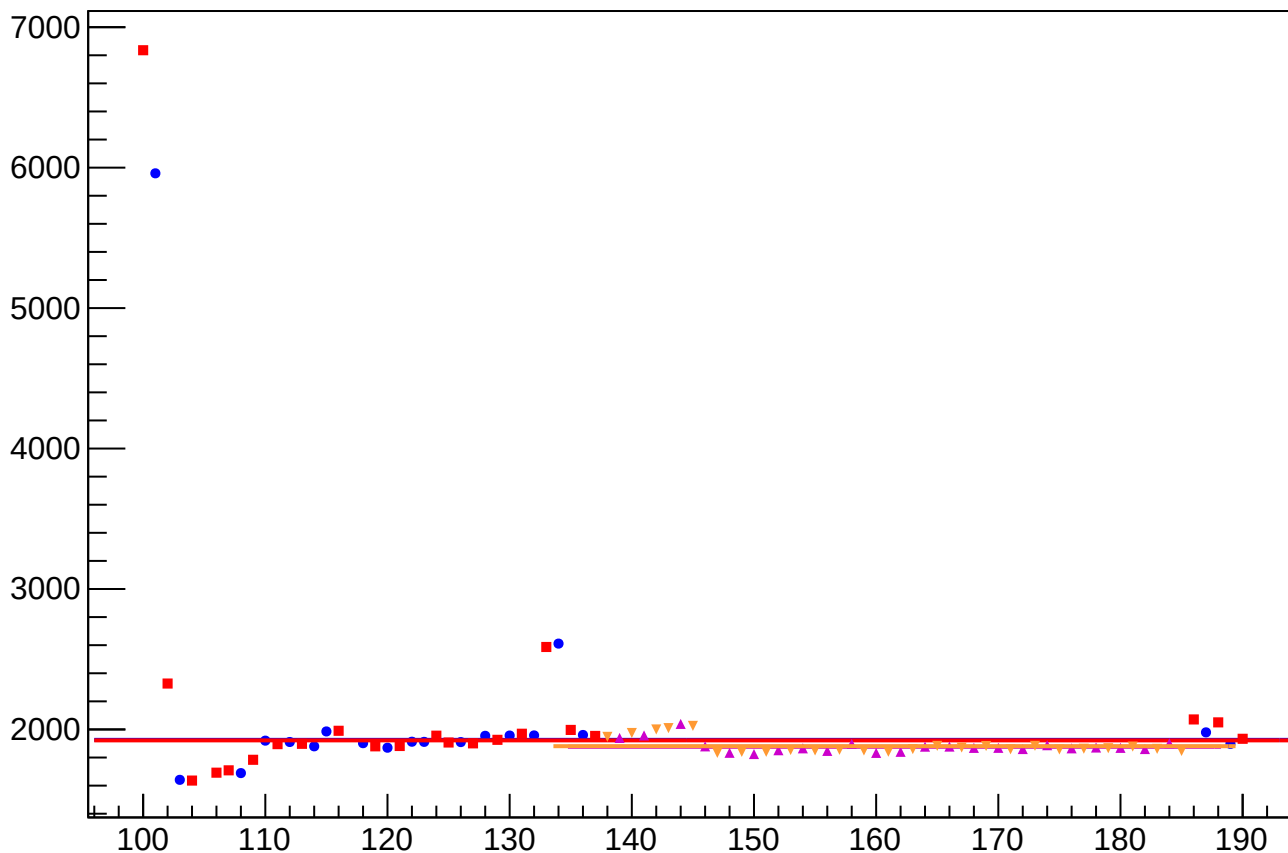
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign 125.646 ± 376.282 χ^2/NDF : 51.4/43

All: 56.883 ± 264.757 χ^2/NDF : 93.0/88

- sign -10.538 ± 372.591 χ^2/NDF : 41.6/44

reg_asym_atr_dd_rms vs Slug



Right In: 1925.873+/-0.519 χ^2/NDF : 616318.5/18

Left Out: 1880.808+/-0.310 χ^2/NDF : 28655.5/24

Right Out: 1922.182+/-0.470 χ^2/NDF : 223698.3/21

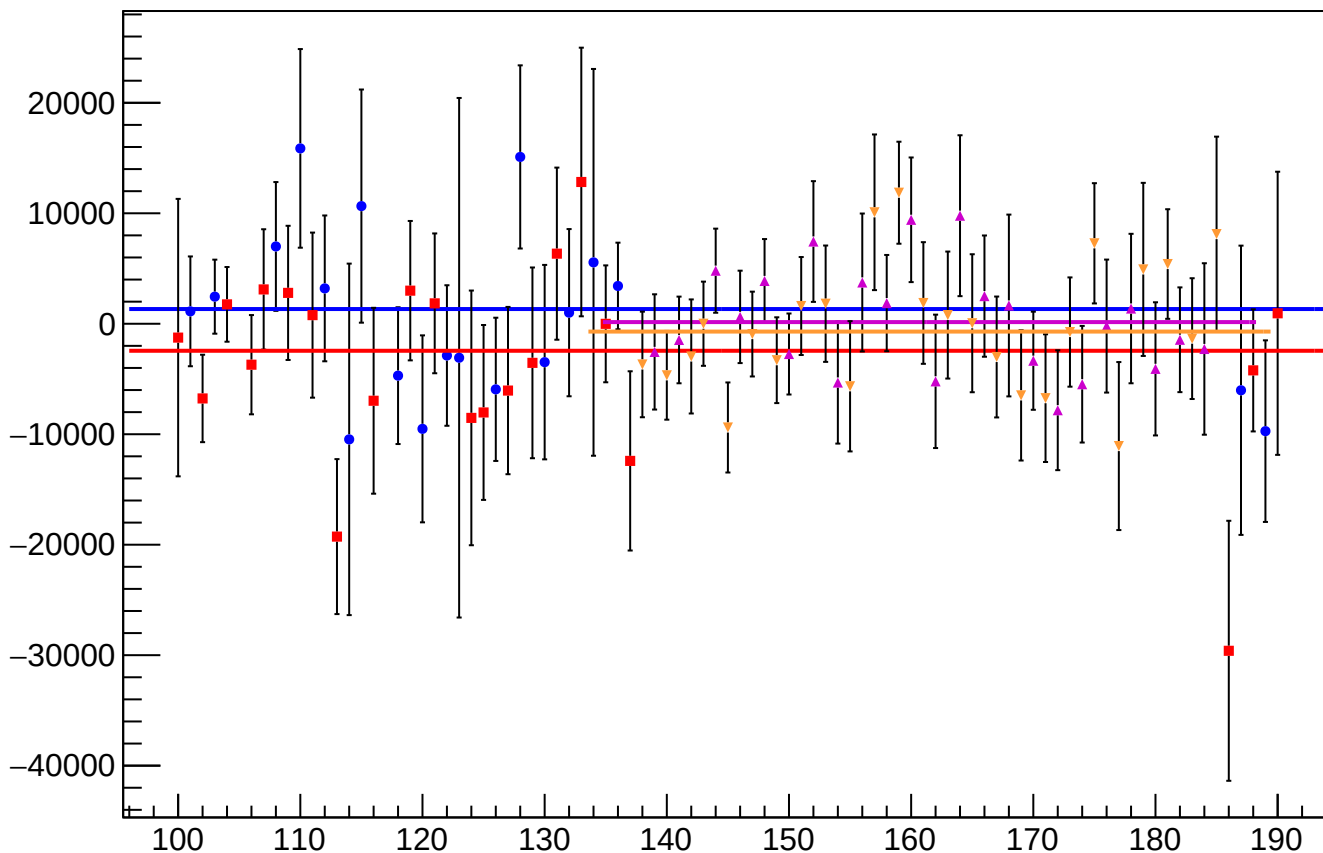
Left In: 1876.685+/-0.318 χ^2/NDF : 20499.7/22

+ sign 1892.653+/-0.266 χ^2/NDF : 650532.2/43

All: 1891.803+/-0.187 χ^2/NDF : 901181.5/88

- sign 1890.969+/-0.263 χ^2/NDF : 250629.1/44

asym_atr_dd_correction_mean vs Slug



Right In: 1332.130 $\pm$ 1522.207 χ^2 /NDF: 14.9/18

Left Out: -707.785 $\pm$ 1017.719 χ^2 /NDF: 27.1/24

Right Out: -2444.954 $\pm$ 1354.497 χ^2 /NDF: 23.1/21

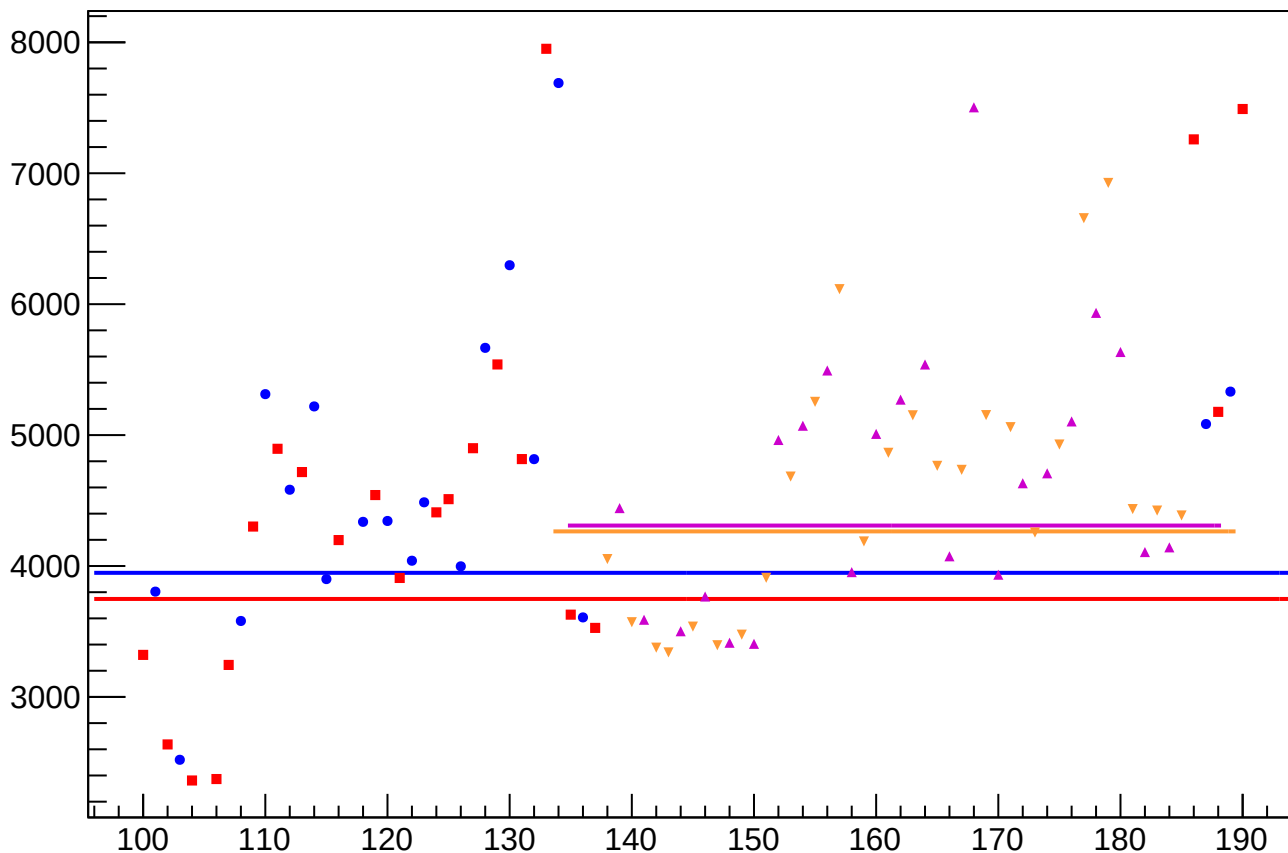
Left In: 150.495 $\pm$ 1053.655 χ^2 /NDF: 16.9/22

+ sign -77.624 $\pm$ 846.045 χ^2 /NDF: 43.3/43

All: -459.232 $\pm$ 593.092 χ^2 /NDF: 86.0/88

- sign -827.971 $\pm$ 831.658 χ^2 /NDF: 42.3/44

asym_atr_dd_correction_rms vs Slug



Right In: 3947.916+/-1.076 χ^2/NDF : 897359.3/18

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 3748.367+/-0.958 χ^2/NDF : 1760301.1/21

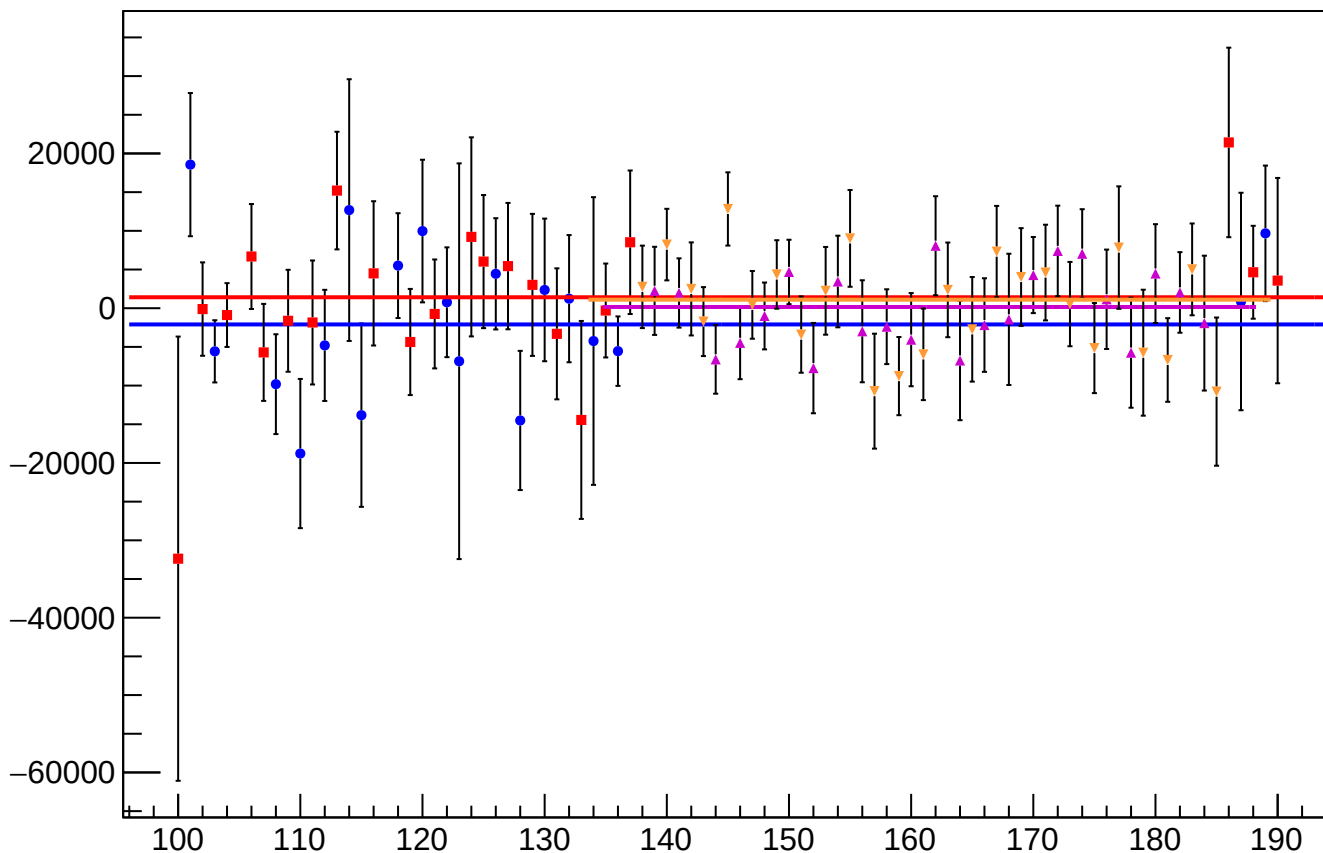
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4166.656+/-0.598 χ^2/NDF : 2312019.9/43

All: 4131.569+/-0.419 χ^2/NDF : 5597707.2/86

- sign 4097.666+/-0.588 χ^2/NDF : 3278923.9/44

asym_atr_dd_mean vs Slug



Right In: -2096.938 ± 1761.729 χ^2/NDF : 20.8/18

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1414.371 ± 1603.572 χ^2/NDF : 14.7/21

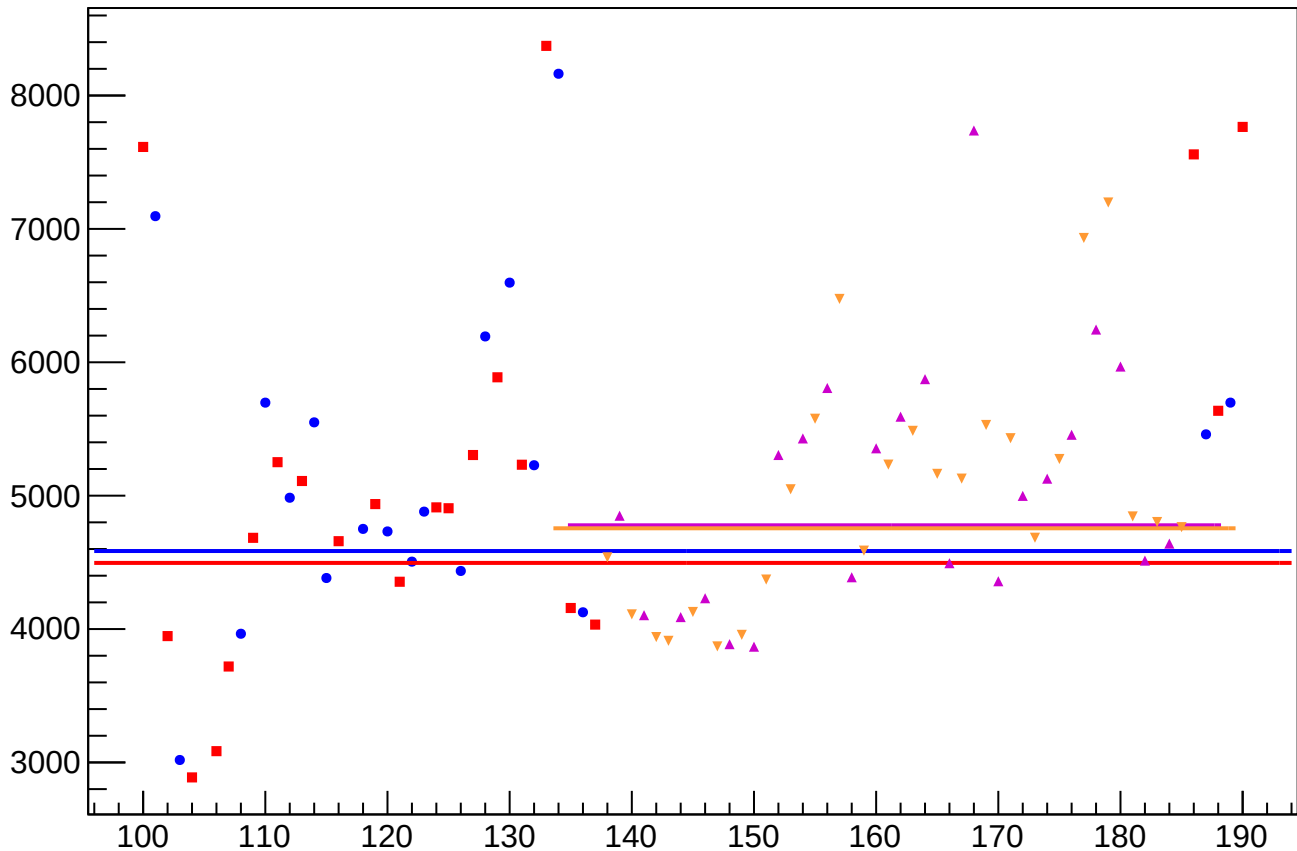
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 173.587 ± 949.162 χ^2/NDF : 51.7/43

All: 384.057 ± 668.136 χ^2/NDF : 82.4/88

- sign 590.778 ± 940.670 χ^2/NDF : 30.6/44

asym_atr_dd_rms vs Slug



Right In: 4585.019+/-1.246 χ^2/NDF : 818980.5/18

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

+ sign 4705.931+/-0.671 χ^2/NDF : 1785582.5/43

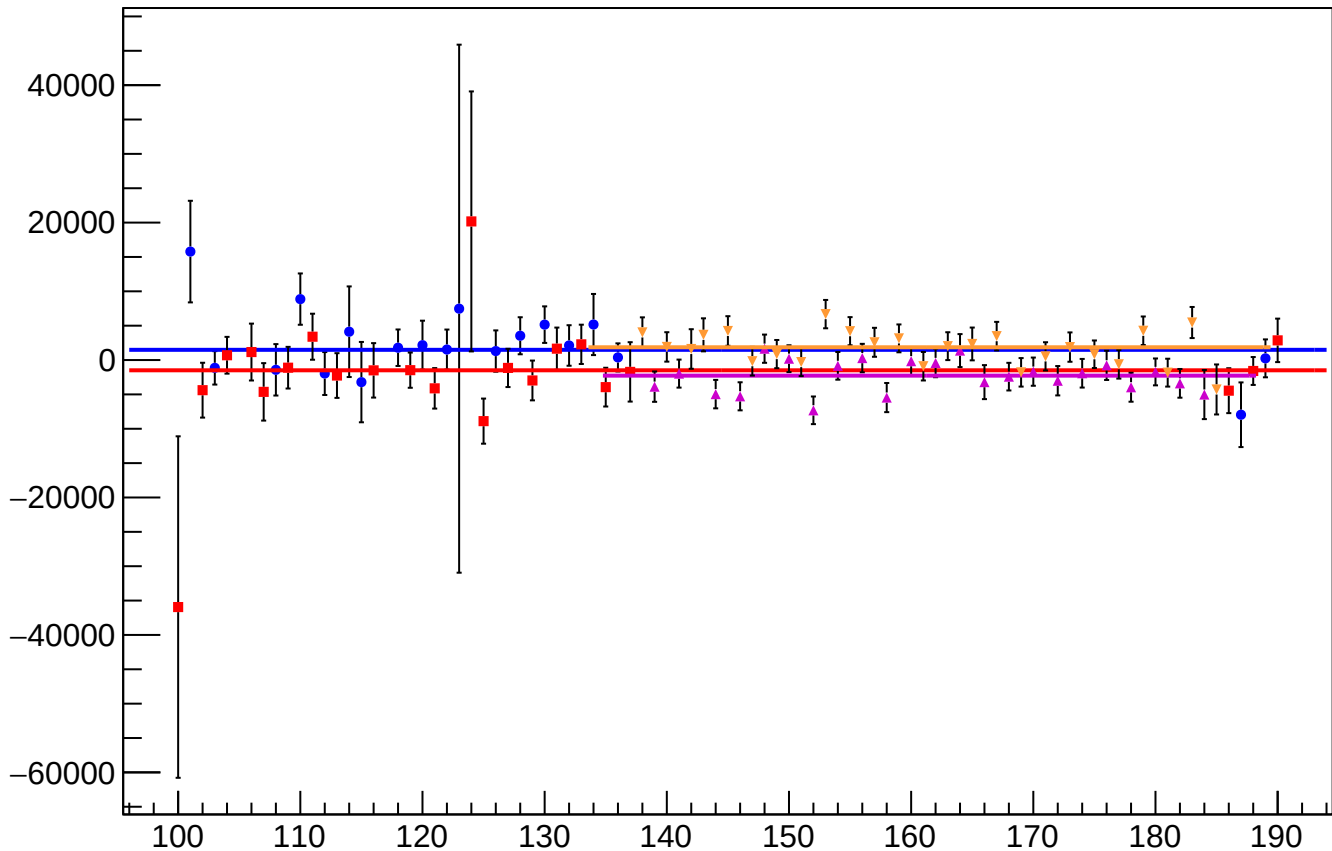
Right Out: 4495.859+/-1.128 χ^2/NDF : 1120125.2/21

All: 4692.909+/-0.472 χ^2/NDF : 3897570.5/80

- sign 4680.163+/-0.664 χ^2/NDF : 2111243.1/44

Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

reg_asym_at1_avg_mean vs Slug



Right In: 1486.729+/-746.187 χ^2/NDF : 19.3/18

Left Out: 1856.570+/-430.977 χ^2/NDF : 30.0/24

Right Out: -1492.357+/-684.963 χ^2/NDF : 20.0/21

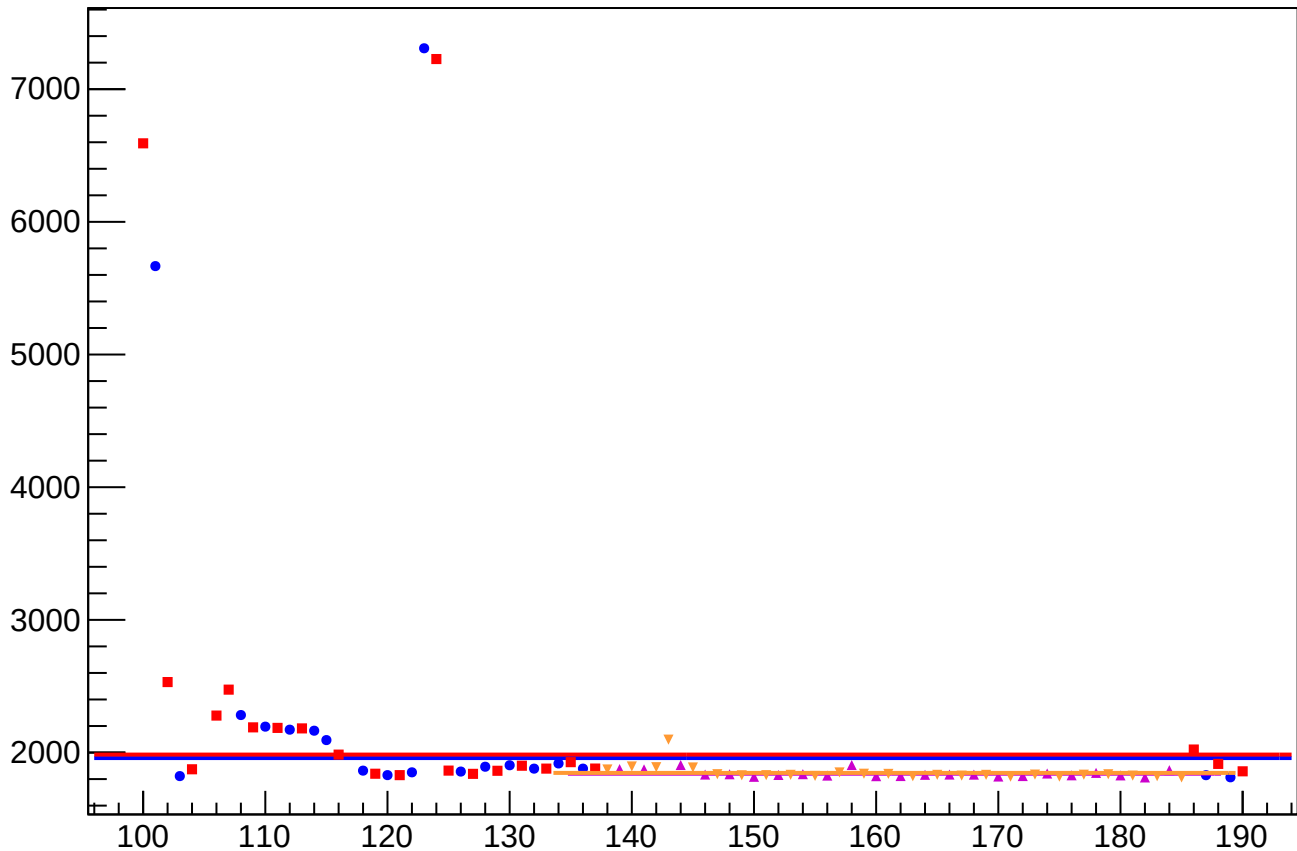
Left In: -2268.464+/-441.710 χ^2/NDF : 26.9/22

+ sign 1764.057+/-373.201 χ^2/NDF : 49.4/43

All: -148.364+/-263.189 χ^2/NDF : 149.5/88

- sign -2040.512+/-371.218 χ^2/NDF : 47.8/44

reg_asym_at1_avg_rms vs Slug



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: 1984.695 $\pm$ 0.484 χ^2 /NDF: 360264.2/21

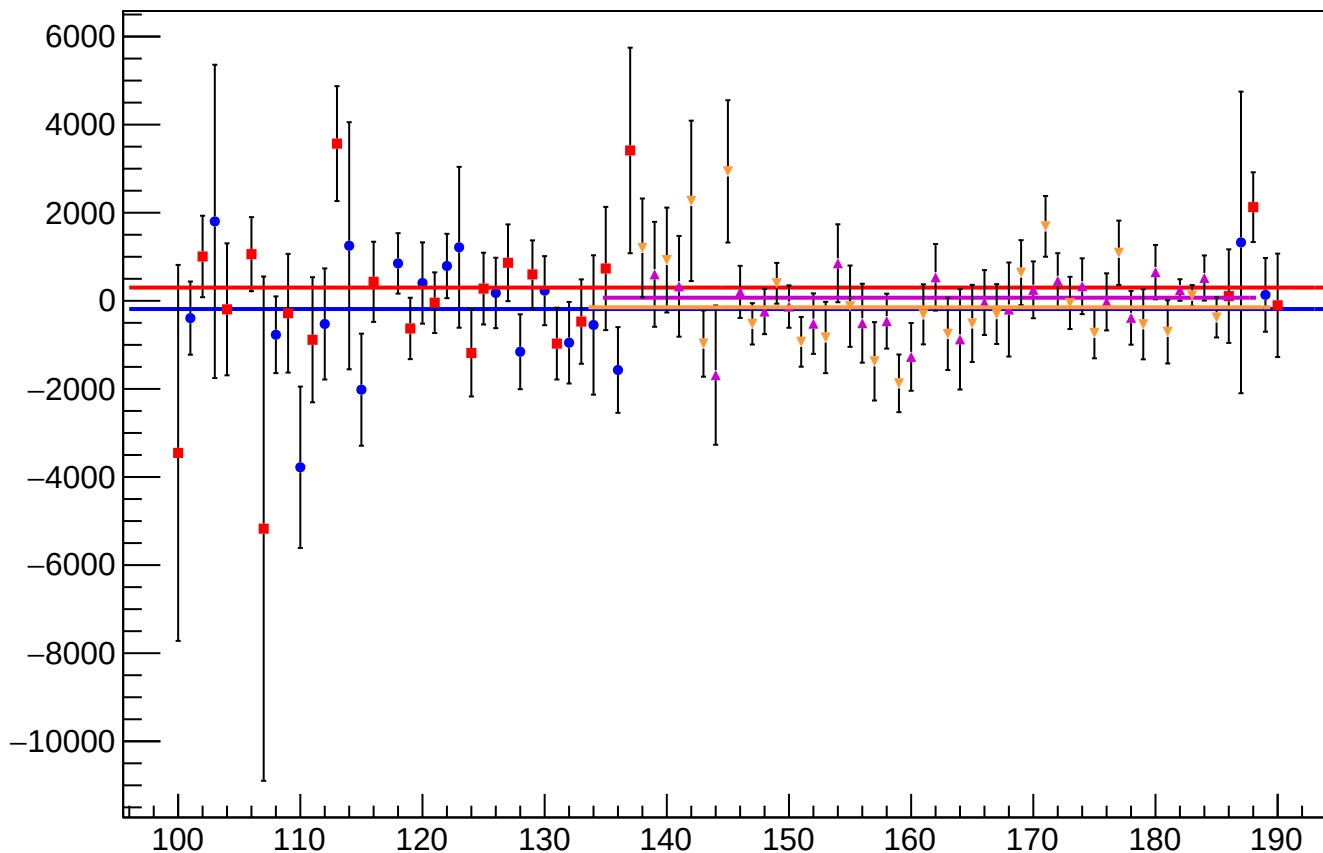
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1874.580 $\pm$ 0.264 χ^2 /NDF: 668667.8/43

All: 1878.753 $\pm$ 0.186 χ^2 /NDF: 1098734.0/86

- sign 1882.881 $\pm$ 0.262 χ^2 /NDF: 429568.8/44

asym_at1_avg_correction_mean vs Slug



Right In: -186.539+/-231.254 χ^2/NDF : 17.0/18

Left Out: -146.999+/-121.984 χ^2/NDF : 37.7/24

Right Out: 300.753+/-212.479 χ^2/NDF : 25.7/21

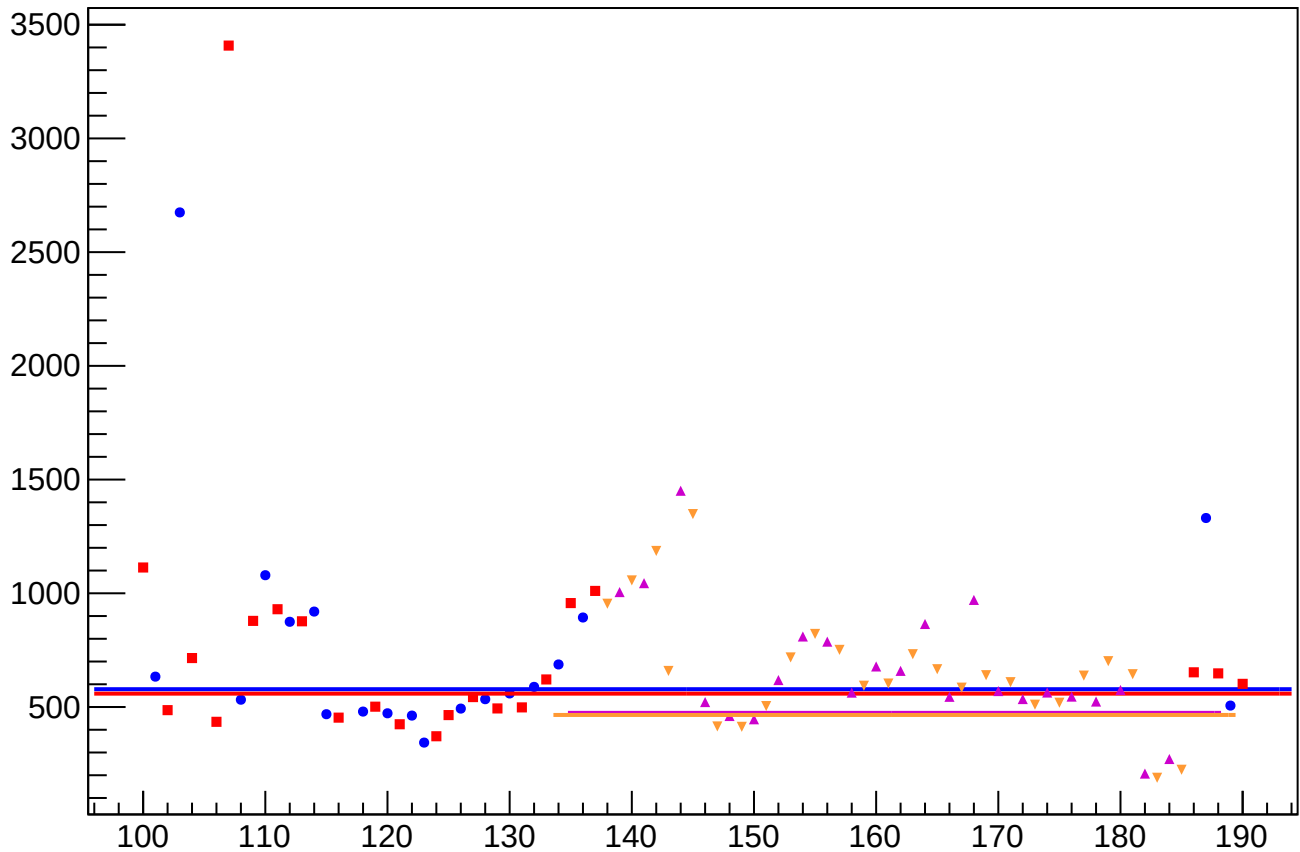
Left In: 70.340+/-126.373 χ^2/NDF : 12.3/22

+ sign -155.606+/-107.894 χ^2/NDF : 54.7/43

All: -13.482+/-76.546 χ^2/NDF : 97.0/88

- sign 130.547+/-108.615 χ^2/NDF : 38.8/44

asym_at1_avg_correction_rms vs Slug



Right In: 578.333 $\pm$ 0.164 χ^2 /NDF: 1525403.5/18

Left Out: 465.080 $\pm$ 0.086 χ^2 /NDF: 7086137.6/24

Right Out: 558.817 $\pm$ 0.150 χ^2 /NDF: 1506076.4/21

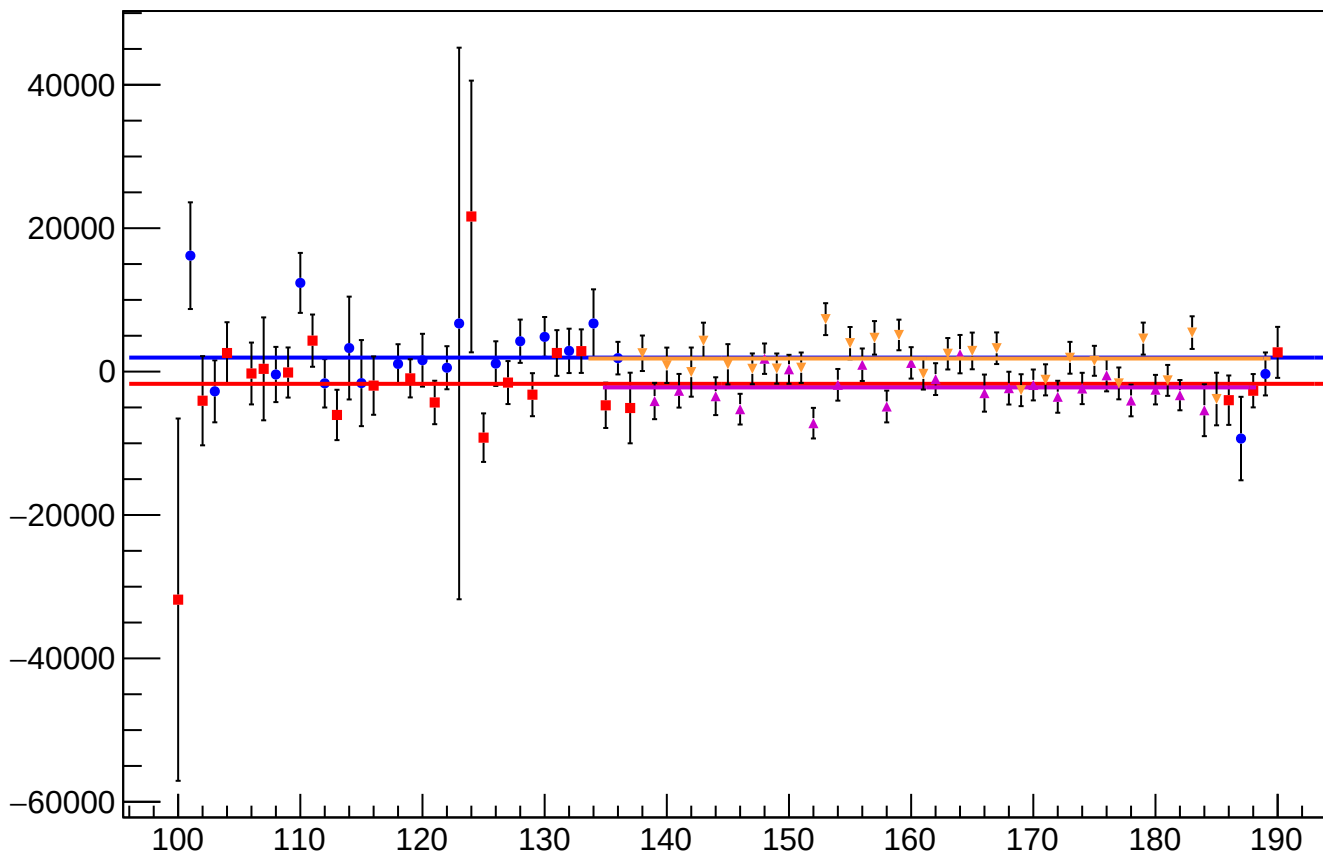
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 489.733 $\pm$ 0.076 χ^2 /NDF: 8986800.8/43

All: 493.023 $\pm$ 0.054 χ^2 /NDF: 16903680.6/89

- sign 496.357 $\pm$ 0.077 χ^2 /NDF: 7913135.5/44

asym_at1_avg_mean vs Slug



Right In: 1954.267+/-823.282 χ^2/NDF : 20.4/18

Left Out: 1824.066+/-462.694 χ^2/NDF :32.1/24

Right Out: -1706.066+/-764.113 χ^2/NDF : 22.3/21

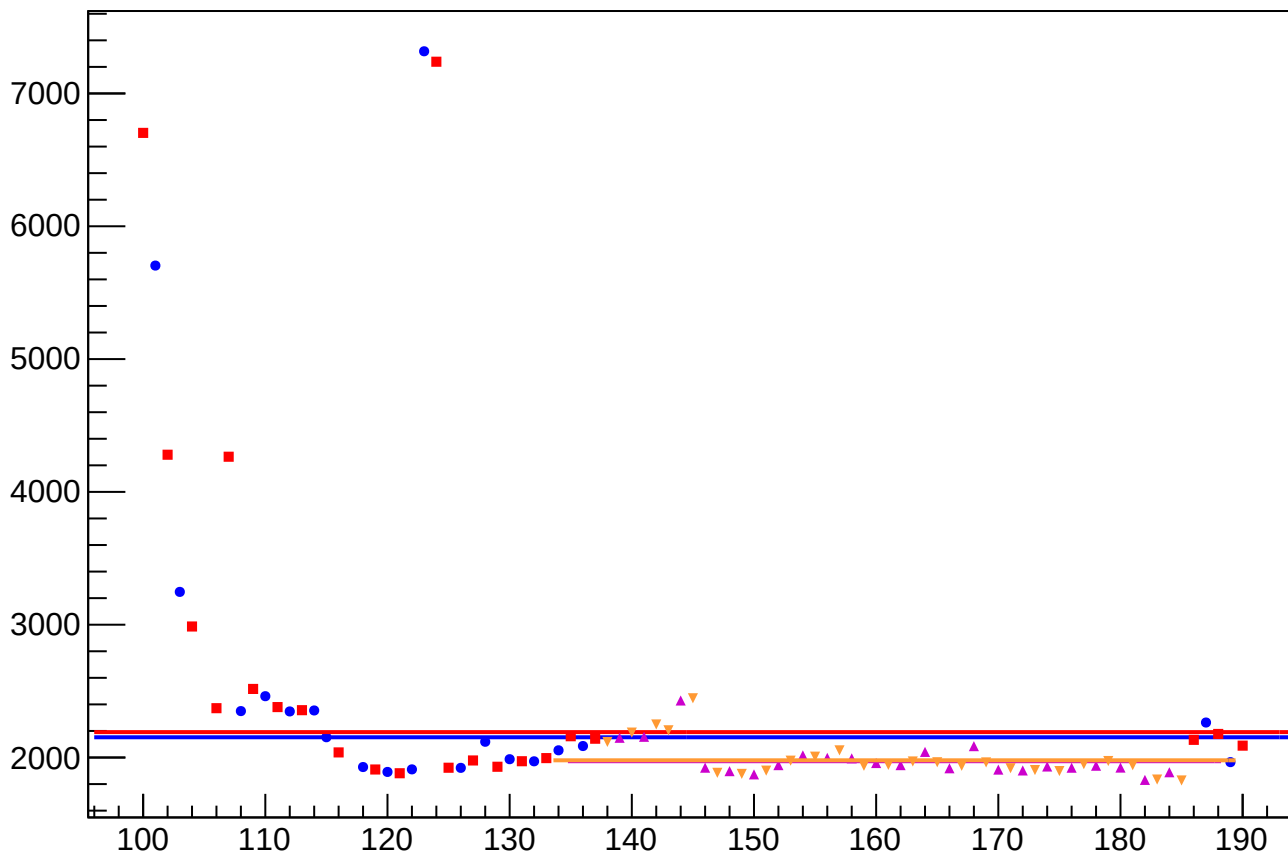
Left In: -2208.114+/-474.050 χ^2/NDF :25.3/22

+ sign 1855.319+/-403.357 χ^2/NDF : 52.6/43

All: -109.218+/-285.028 χ^2/NDF : 147.9/88

- sign -2068.585+/-402.825 χ^2/NDF : 48.0/44

asym_at1_avg_rms vs Slug



Right In: 2152.396+/-0.582 χ^2/NDF : 716804.1/18

Left Out: 1978.997+/-0.327 χ^2/NDF :139299.8/24

Right Out: 2191.296+/-0.540 χ^2/NDF : 801710.6/21

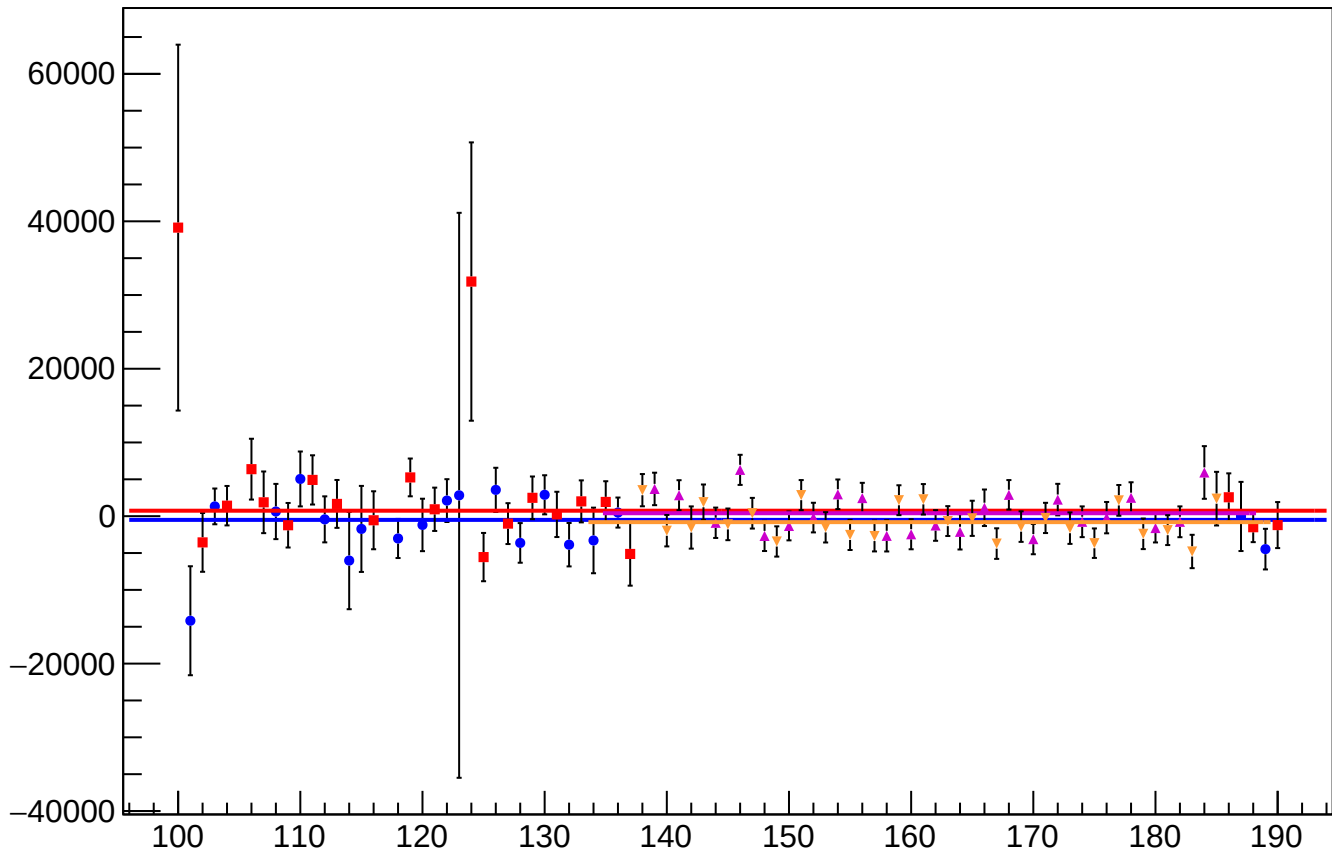
Left In: 1972.166+/-0.335 χ^2/NDF :116452.5/22

+ sign 2020.620+/-0.285 χ^2/NDF : 923528.1/43

All: 2026.851+/-0.202 χ^2/NDF : 1961414.1/80

- sign 2033.067+/-0.285 χ^2/NDF : 1036932.4/44

reg_asym_at1_dd_mean vs Slug



Right In: -503.475 ± 744.833 χ^2/NDF : 17.7/18

Left Out: -808.436 ± 430.304 χ^2/NDF : 27.9/24

Right Out: 741.610 ± 682.924 χ^2/NDF : 22.2/21

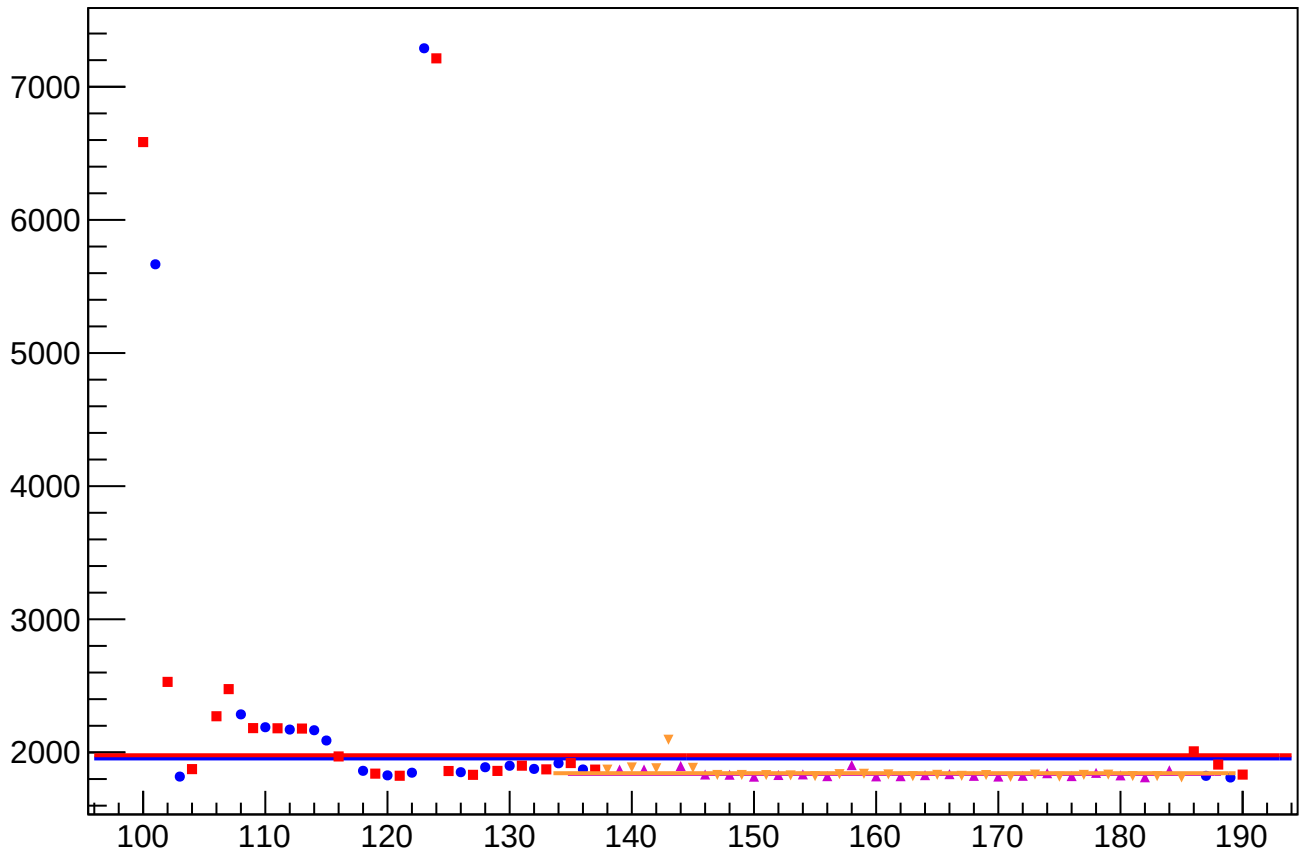
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -732.123 ± 372.594 χ^2/NDF : 45.7/43

All: -112.903 ± 262.762 χ^2/NDF : 108.0/88

- sign 499.760 ± 370.617 χ^2/NDF : 56.8/44

reg_asym_at1_dd_rms vs Slug



Right In: 1954.696 $\pm$ 0.527 χ^2 /NDF: 609711.6/18

Left Out: 1843.747 $\pm$ 0.304 χ^2 /NDF: 26867.4/24

Right Out: 1978.619 $\pm$ 0.483 χ^2 /NDF: 362177.7/21

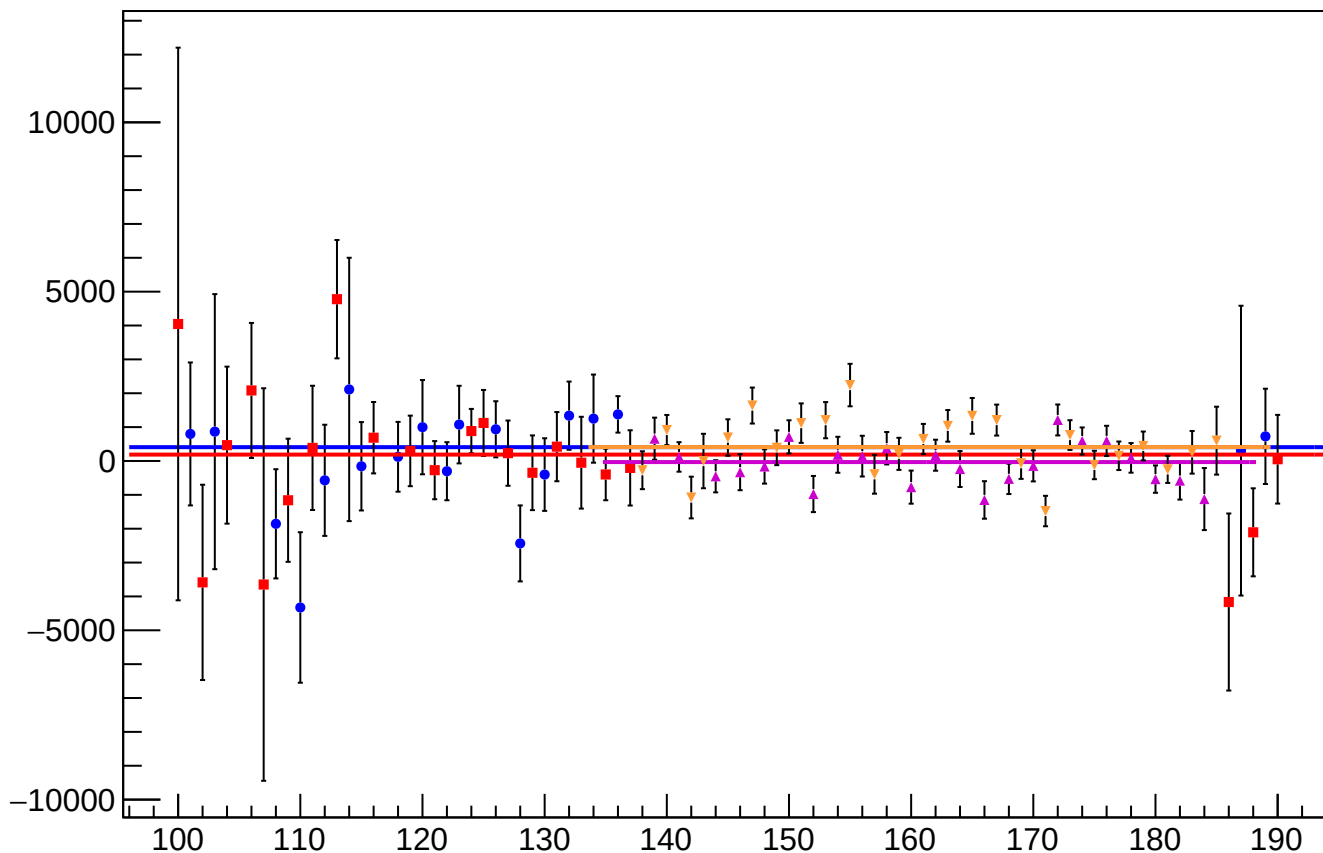
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1871.511 $\pm$ 0.263 χ^2 /NDF: 669851.6/43

All: 1875.700 $\pm$ 0.186 χ^2 /NDF: 1098171.1/86

- sign 1879.845 $\pm$ 0.262 χ^2 /NDF: 427816.5/44

asym_at1_dd_correction_mean vs Slug



Right In: 408.102 $\pm$ 265.526 χ^2 /NDF: 20.5/18

Left Out: 411.072 $\pm$ 100.456 χ^2 /NDF: 61.2/24

Right Out: 188.432 $\pm$ 255.151 χ^2 /NDF: 20.3/21

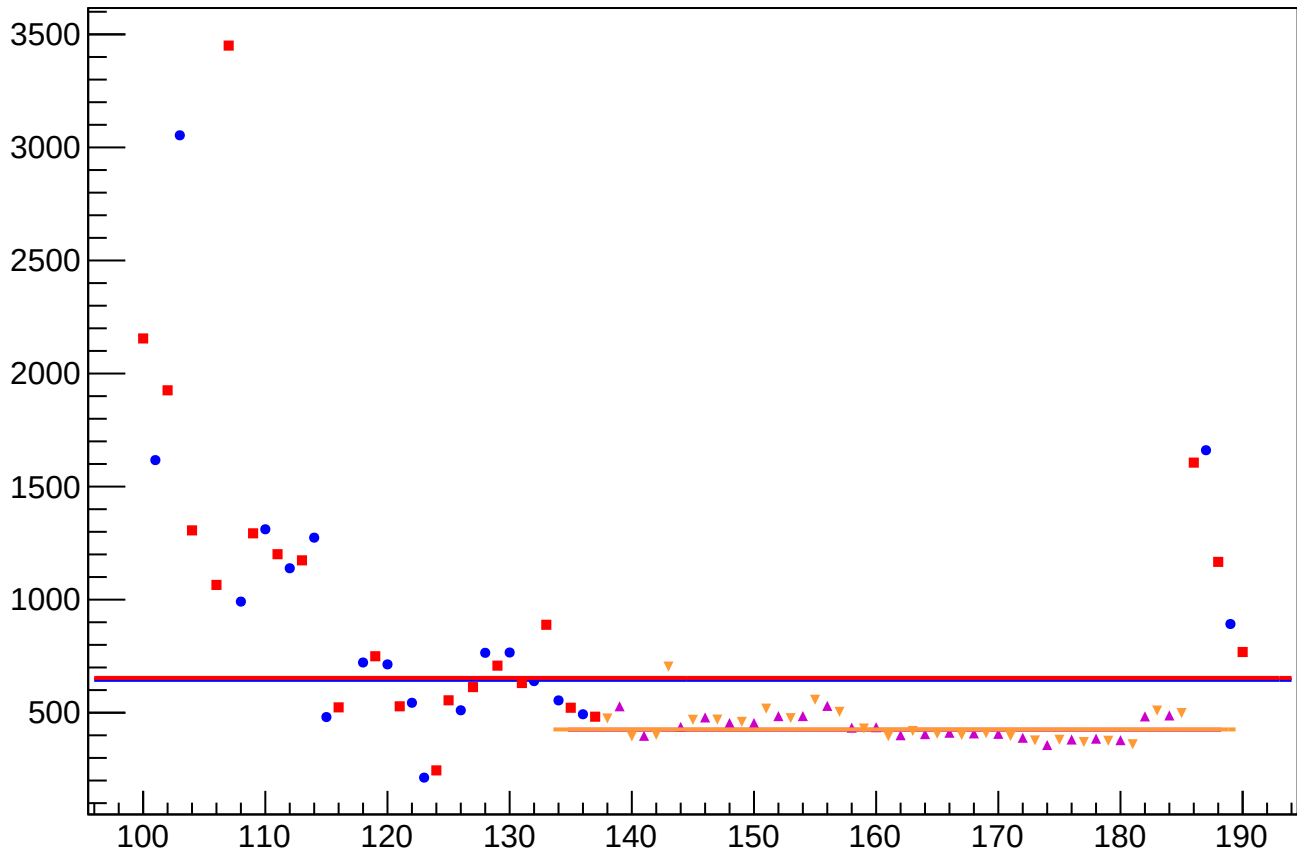
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 410.700 $\pm$ 93.957 χ^2 /NDF: 81.7/43

All: 206.797 $\pm$ 66.815 χ^2 /NDF: 144.9/88

- sign -1.812 $\pm$ 95.035 χ^2 /NDF: 53.6/44

asym_at1_dd_correction_rms vs Slug



Right In: 645.318 $\pm$ 0.188 χ^2 /NDF: 2437432.7/18

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 653.845 $\pm$ 0.180 χ^2 /NDF: 3431907.9/21

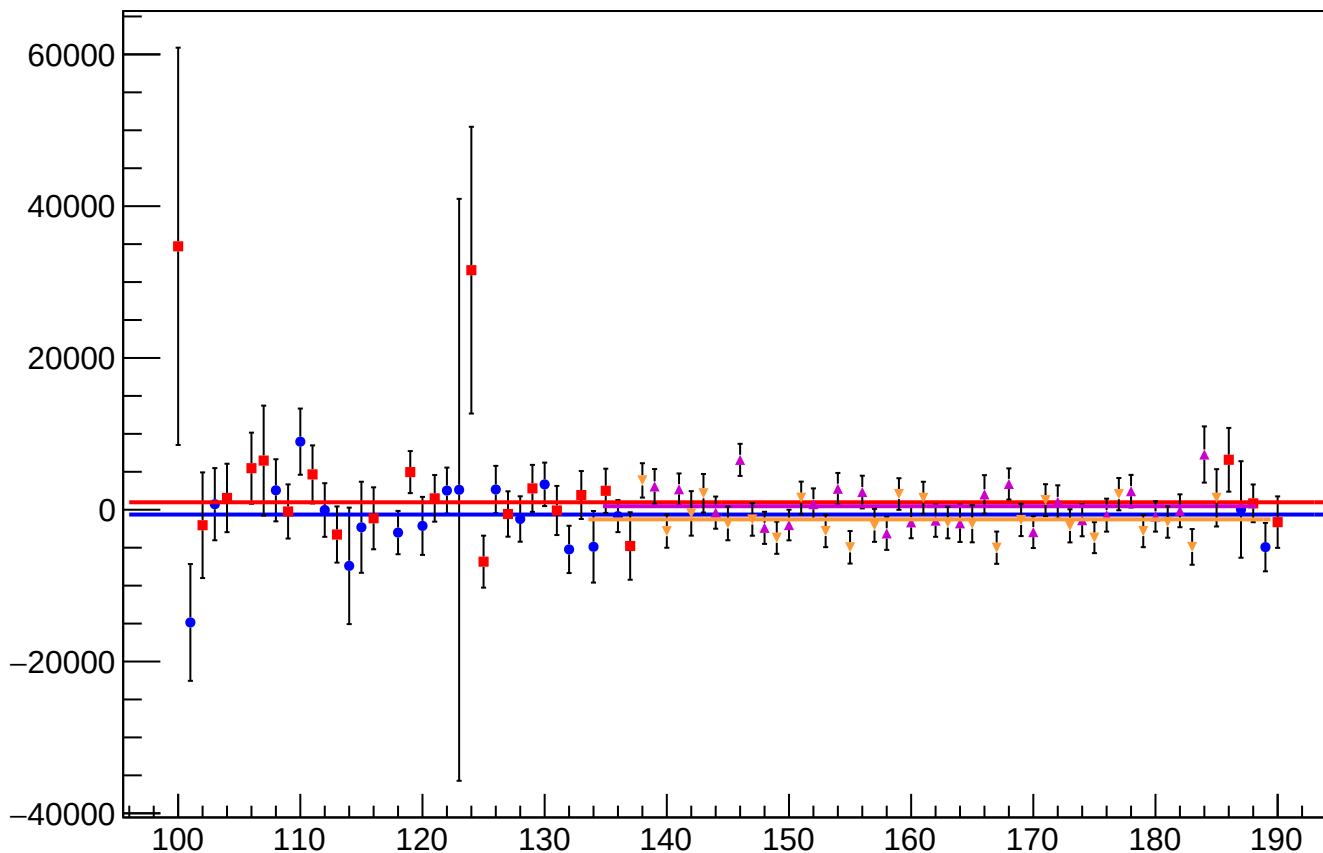
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 453.485 $\pm$ 0.066 χ^2 /NDF: 4363825.8/43

All: 454.944 $\pm$ 0.047 χ^2 /NDF: 9578360.1/88

- sign 456.436 $\pm$ 0.067 χ^2 /NDF: 5213558.7/44

asym_at1_dd_mean vs Slug



Right In: -634.562 ± 835.923 χ^2/NDF : 19.7/18

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 983.106 ± 784.254 χ^2/NDF : 21.1/21

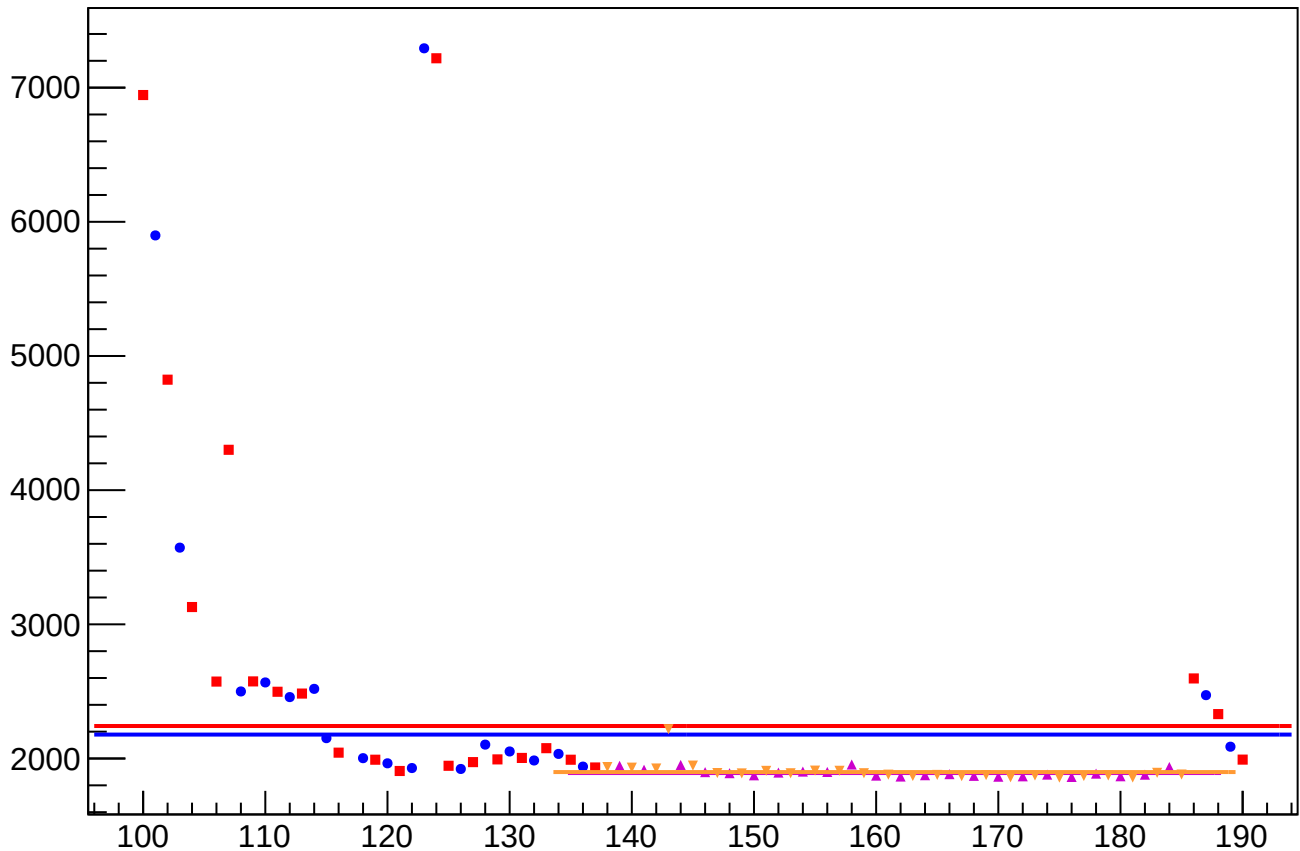
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1128.910 ± 391.581 χ^2/NDF : 50.9/43

All: -270.689 ± 277.347 χ^2/NDF : 114.5/88

- sign 593.225 ± 392.878 χ^2/NDF : 53.9/44

asym_at1_dd_rms vs Slug



Right In: 2178.290+/-0.591 χ^2 /NDF: 806714.1/18

Left Out: 1898.962+/-0.313 χ^2 /NDF: 38680.4/24

Right Out: 2242.190+/-0.555 χ^2 /NDF: 919972.4/21

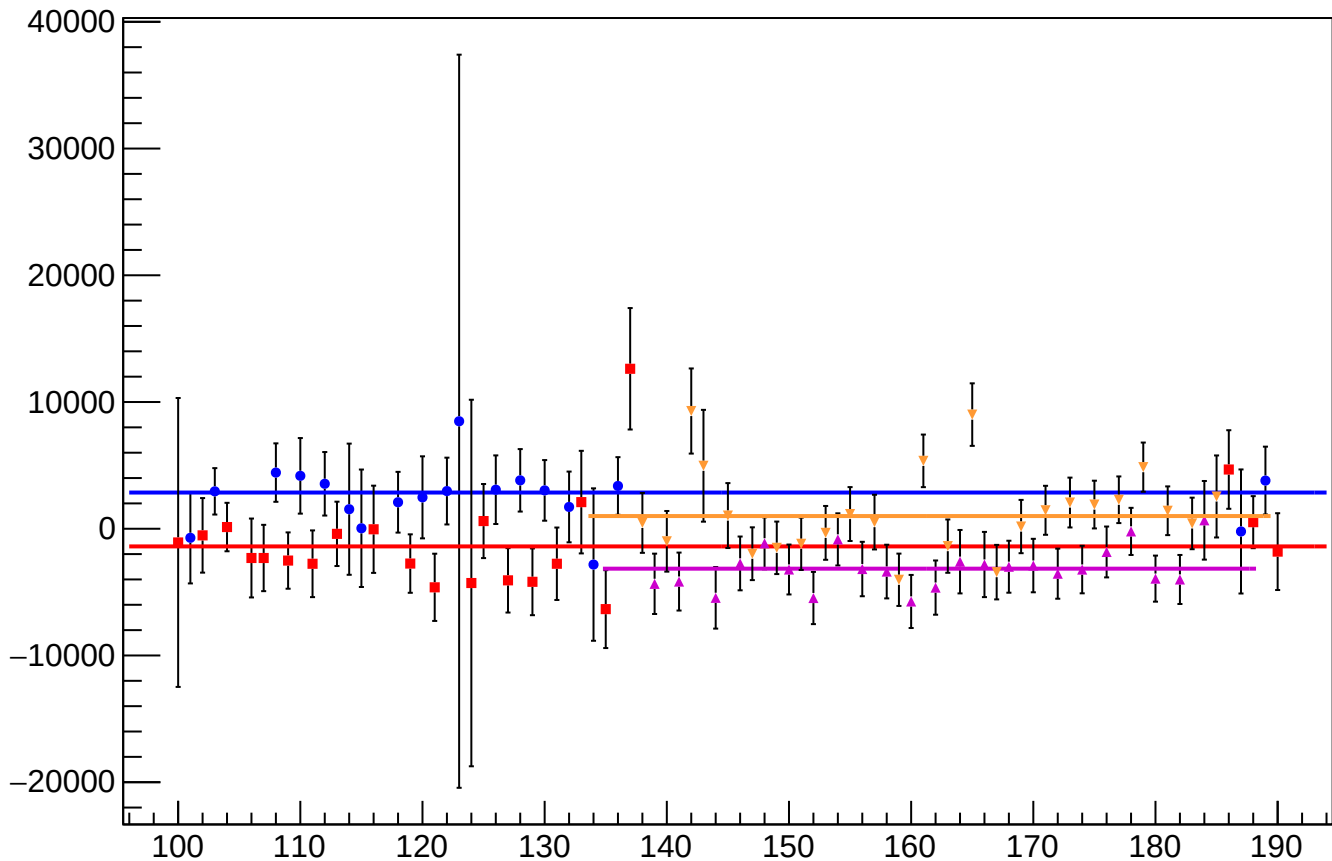
Left In: 1891.693+/-0.321 χ^2 /NDF: 7420.7/22

+ sign 1960.257+/-0.277 χ^2 /NDF: 1019709.6/43

All: 1969.923+/-0.196 χ^2 /NDF: 2248769.5/80

- sign 1979.653+/-0.278 χ^2 /NDF: 1226614.5/44

reg_asym_at2_avg_mean vs Slug



Right In: 2857.010 ± 653.656 χ^2/NDF : 4.1/18

Left Out: 1001.263 ± 435.247 χ^2/NDF : 44.6/24

Right Out: -1393.779 ± 601.176 χ^2/NDF : 23.2/21

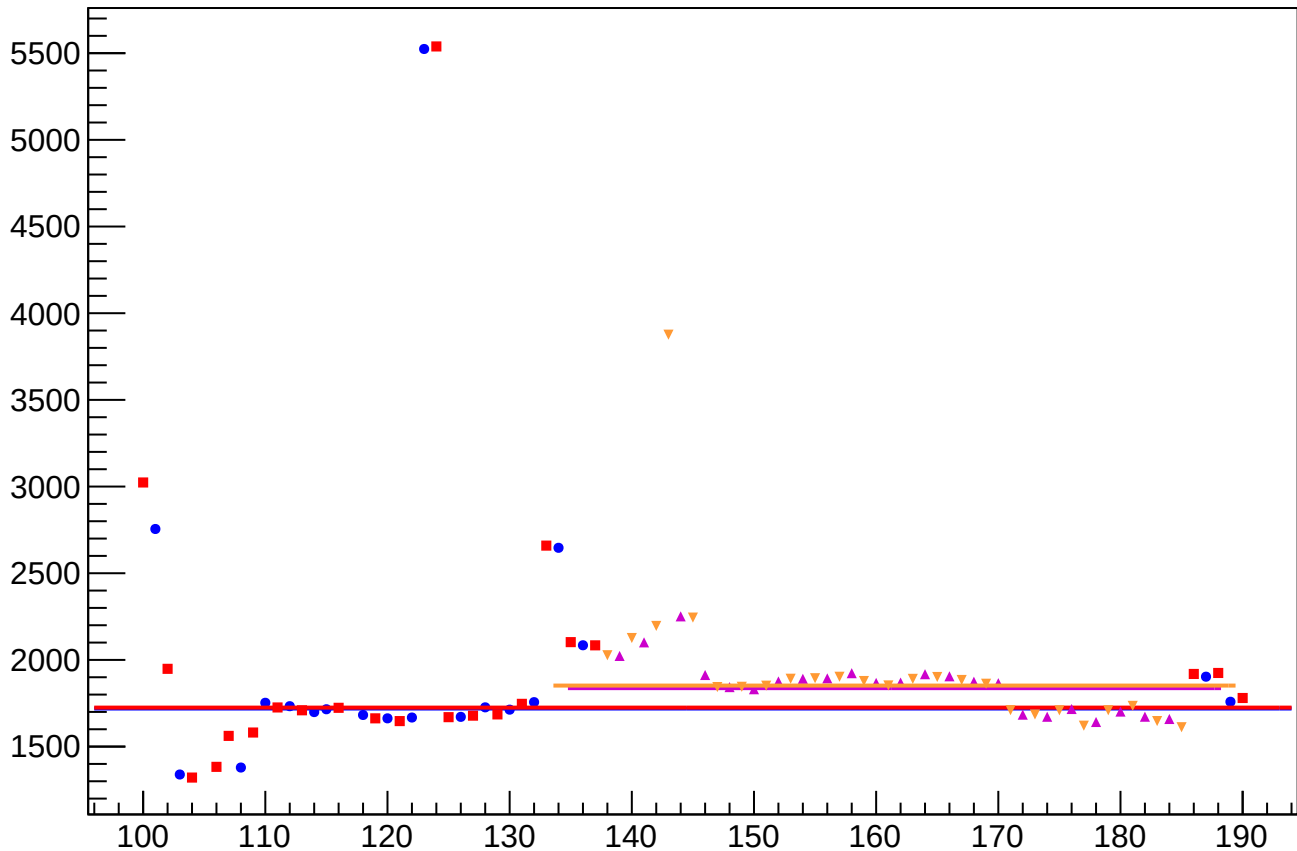
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1571.312 ± 362.281 χ^2/NDF : 54.3/43

All: -520.008 ± 253.799 χ^2/NDF : 160.3/88

- sign -2535.602 ± 355.662 χ^2/NDF : 40.6/44

reg_asym_at2_avg_rms vs Slug



Right In: 1719.619+/-0.462 χ^2/NDF : 435698.3/18

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1724.878+/-0.425 χ^2/NDF : 486792.3/21

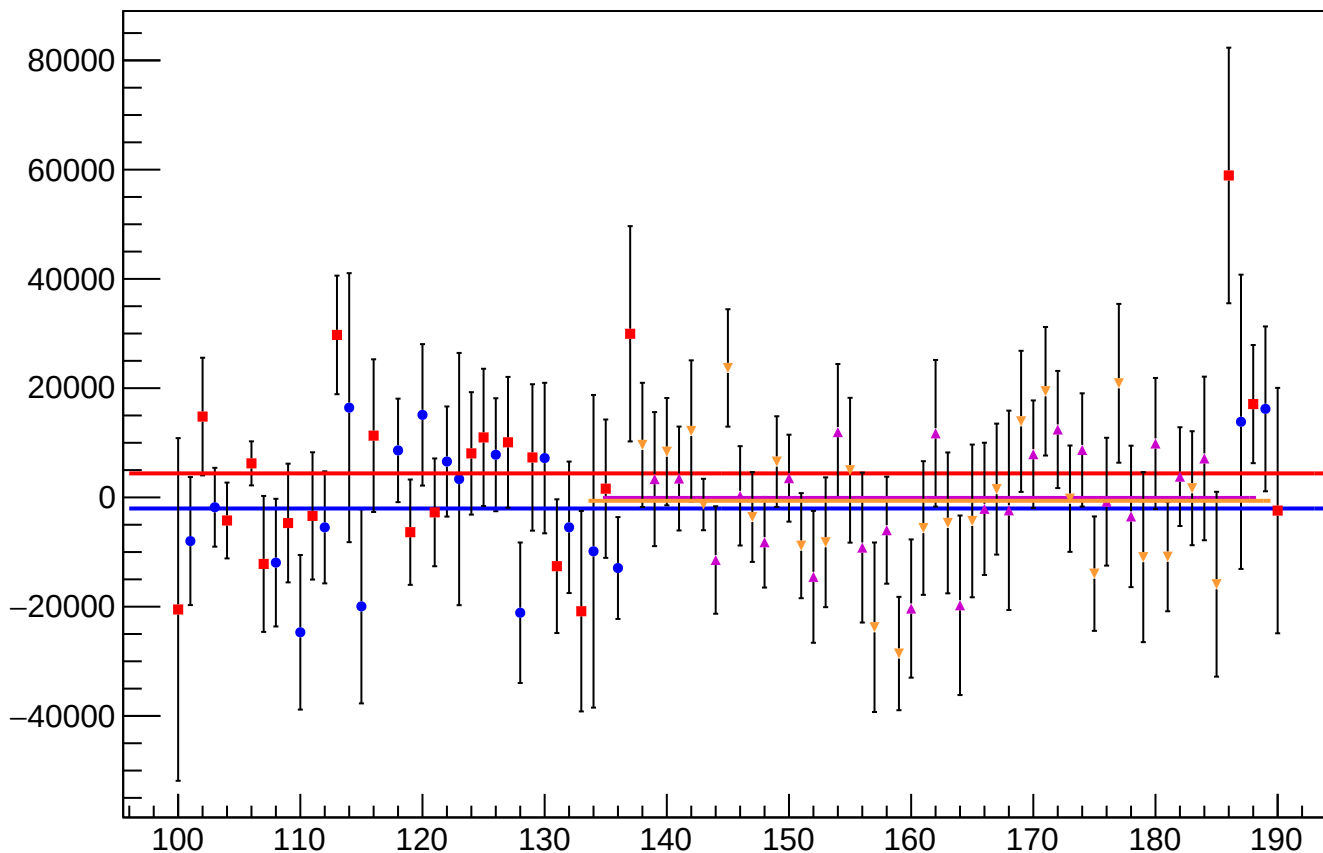
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1811.306+/-0.256 χ^2/NDF : 1141450.7/43

All: 1804.456+/-0.179 χ^2/NDF : 1875501.9/86

- sign 1797.855+/-0.251 χ^2/NDF : 732647.1/44

asym_at2_avg_correction_mean vs Slug



Right In: -2027.182 ± 2794.653 $\chi^2/\text{NDF}: 15.9/18$

Left Out: -619.372 ± 2069.686 $\chi^2/\text{NDF}: 30.1/24$

Right Out: 4397.557 ± 2200.822 $\chi^2/\text{NDF}: 26.8/21$

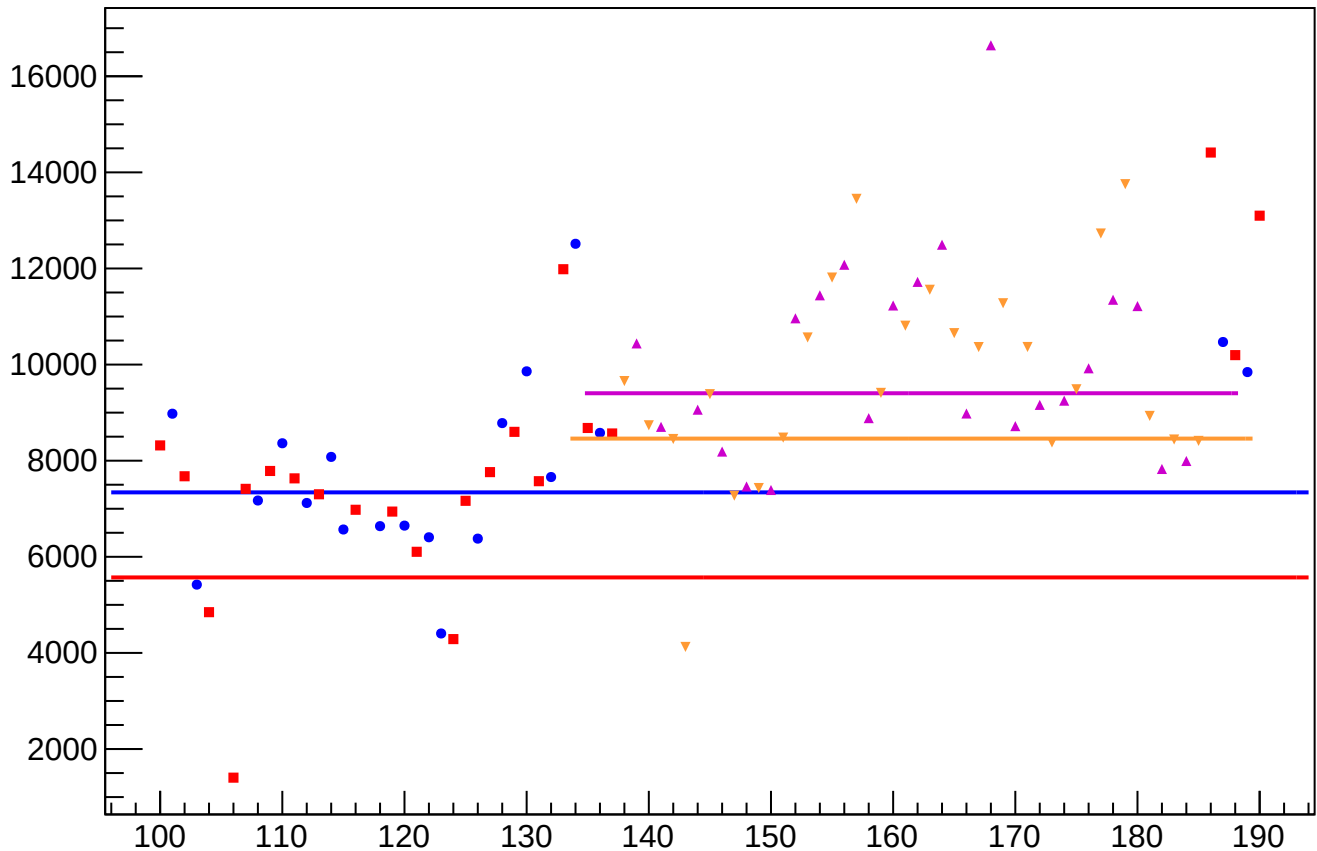
Left In: -93.334 ± 2293.826 $\chi^2/\text{NDF}: 14.6/22$

+ sign -1118.020 ± 1663.233 $\chi^2/\text{NDF}: 46.2/43$

All: 641.185 ± 1148.591 $\chi^2/\text{NDF}: 91.8/88$

- sign 2244.998 ± 1588.078 $\chi^2/\text{NDF}: 43.4/44$

asym_at2_avg_correction_rms vs Slug



Right In: 7340.783+/-1.976 χ^2/NDF : 557570.6/18

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 5570.744+/-1.556 χ^2/NDF : 4123612.9/21

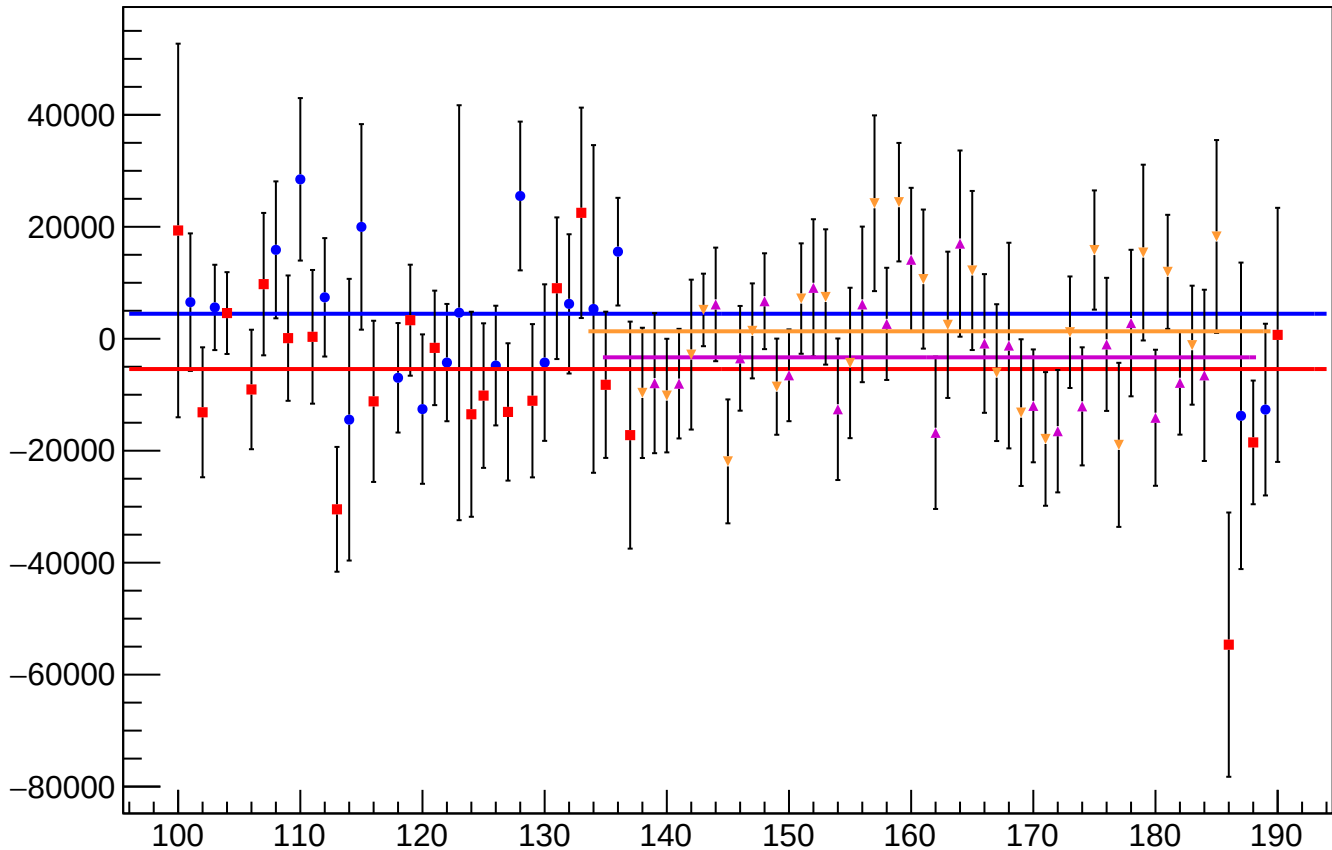
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8063.546+/-1.176 χ^2/NDF : 3851913.4/43

All: 7720.544+/-0.812 χ^2/NDF : 12188150.2/8

- sign 7407.839+/-1.123 χ^2/NDF : 8173633.0/44

asym_at2_avg_mean vs Slug



Right In: 4467.701+/-2908.361 χ^2/NDF : 15.4/18

Left Out: 1332.828+/-2213.733 χ^2/NDF : 28.0/24

Right Out: -5409.011+/-2674.047 χ^2/NDF : 21.6/21

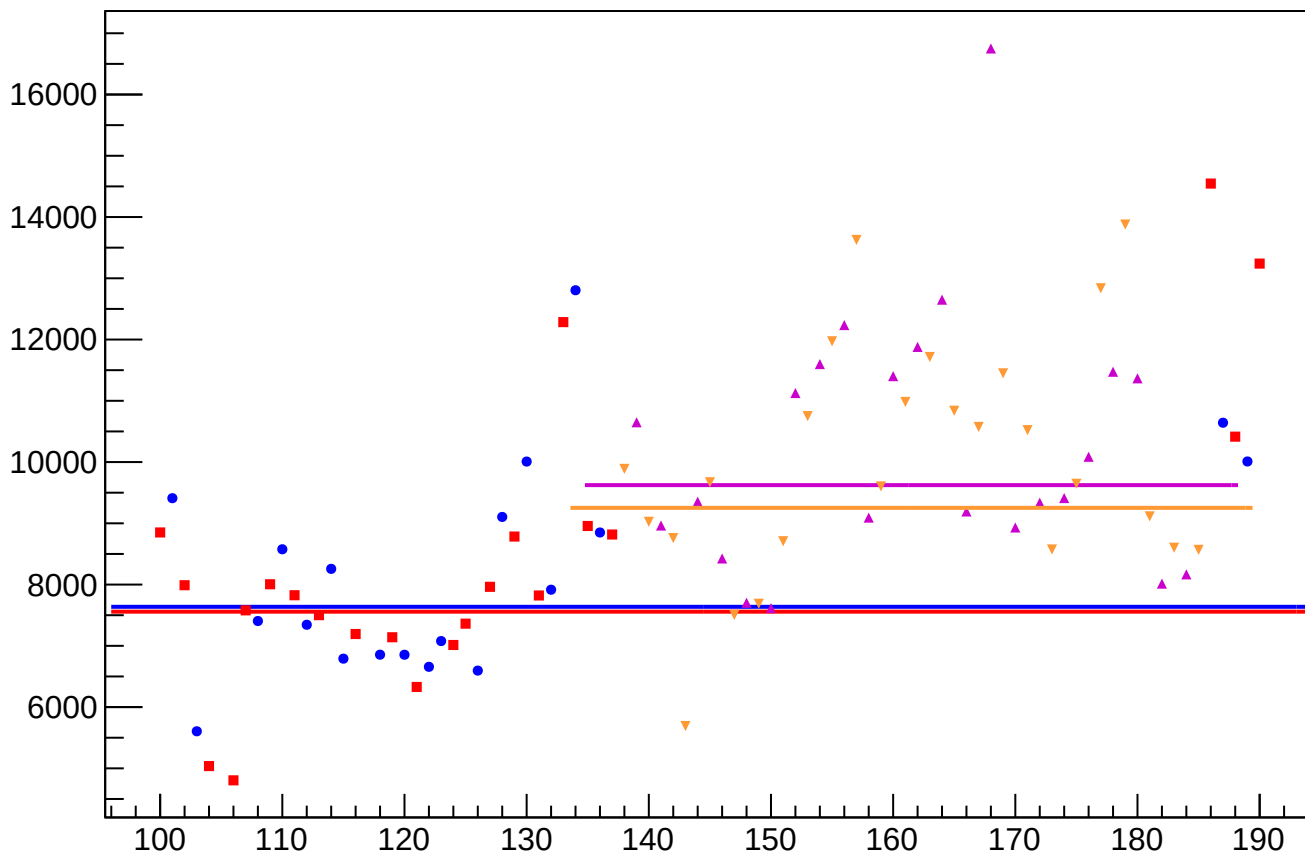
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 2482.809+/-1761.504 χ^2/NDF : 44.2/43

All: -869.043+/-1246.063 χ^2/NDF : 87.1/88

- sign -4226.189+/-1762.895 χ^2/NDF : 35.7/44

asym_at2_avg_rms vs Slug



Right In: 7637.099+/-2.056 χ^2/NDF : 505585.2/18

Left Out: 9252.712+/-1.565 χ^2/NDF : 1597668.9/24

Right Out: 7557.799+/-1.891 χ^2/NDF : 1028103.6/21

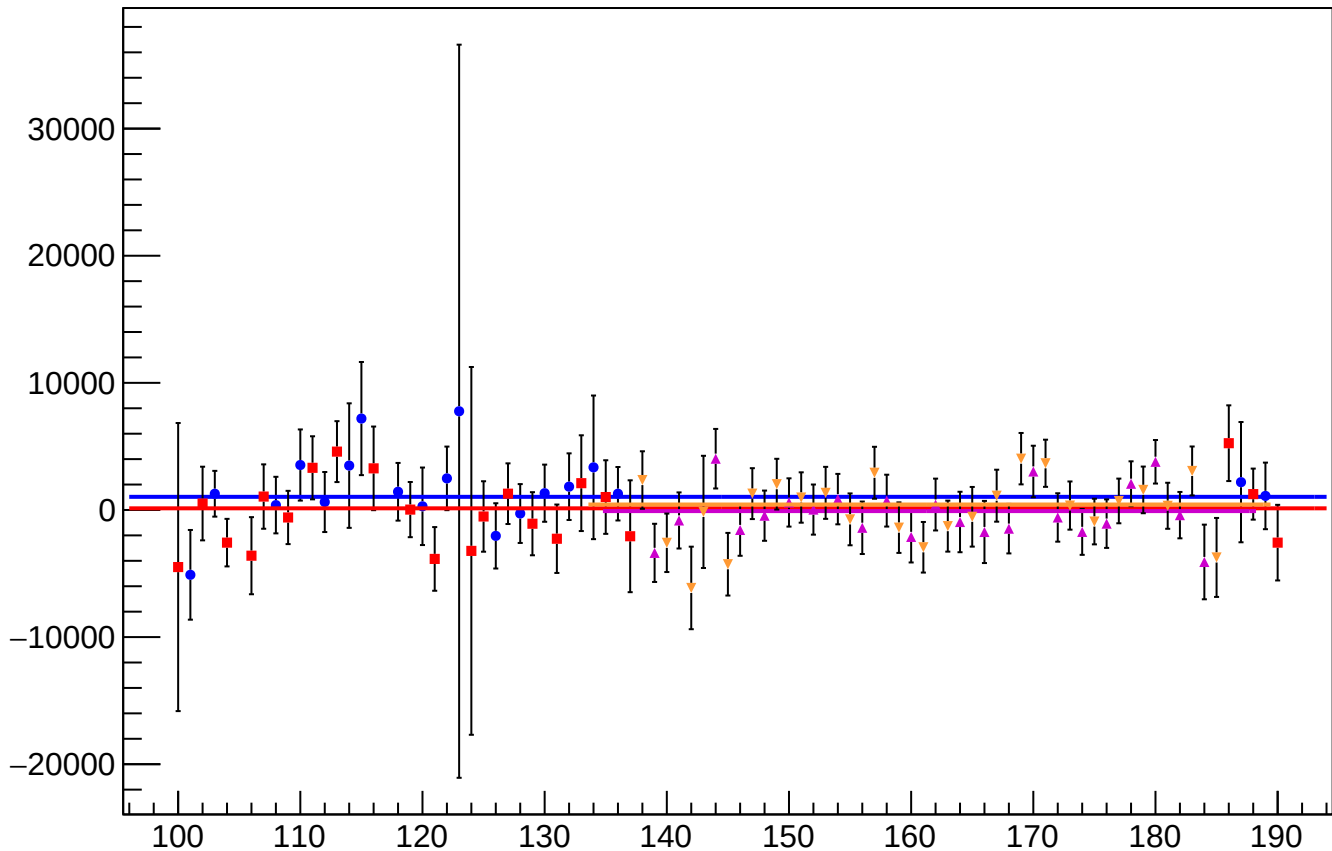
Left In: 9623.485+/-1.658 χ^2/NDF : 1069924.0/22

+ sign 8660.030+/-1.246 χ^2/NDF : 2494040.0/43

All: 8692.774+/-0.881 χ^2/NDF : 5268313.0/88

- sign 8725.567+/-1.246 χ^2/NDF : 2772889.9/44

reg_asym_at2_dd_mean vs Slug



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: 129.138 ± 574.257 χ^2/NDF : 18.7/21

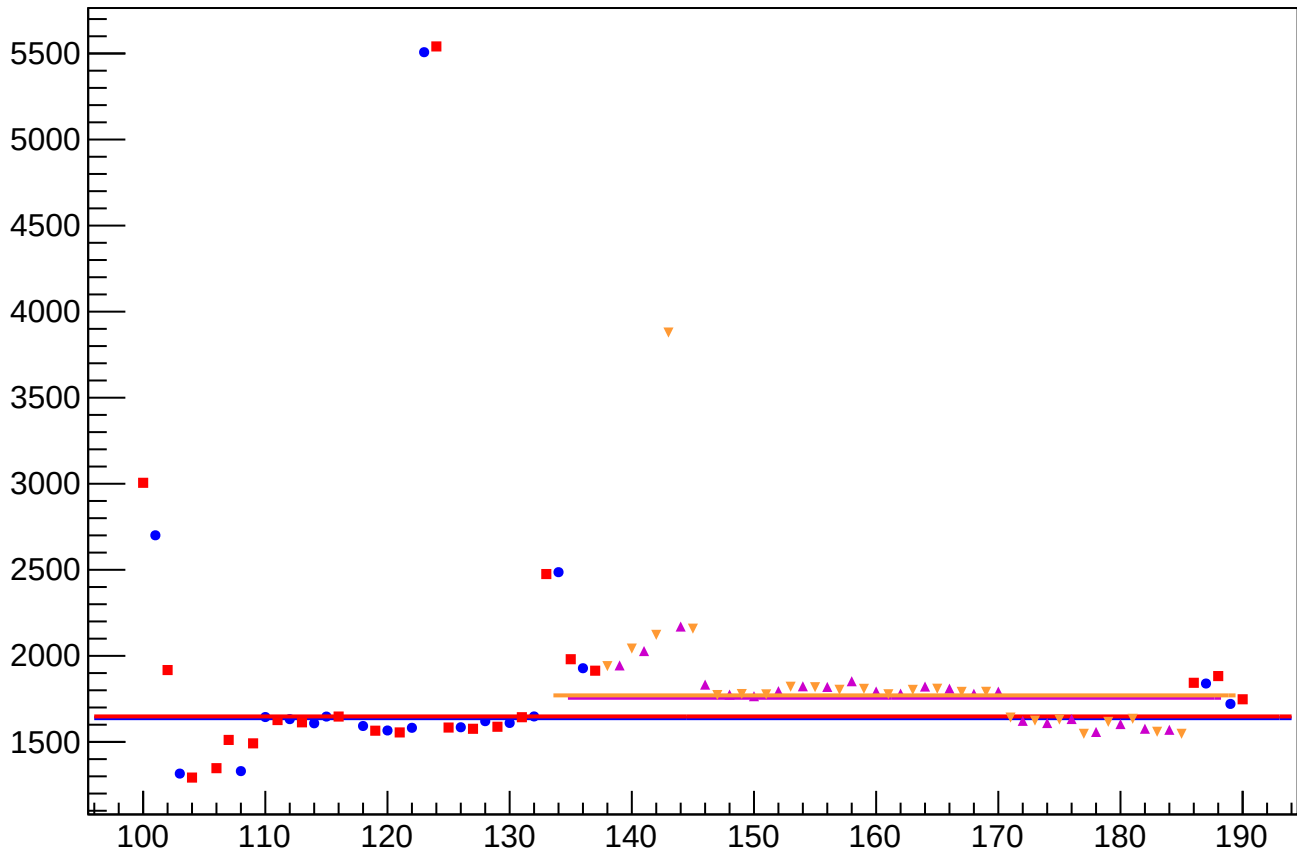
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 616.272 ± 346.049 χ^2/NDF : 38.1/43

All: 296.570 ± 242.538 χ^2/NDF : 79.5/88

- sign -12.111 ± 340.032 χ^2/NDF : 39.7/44

reg_asym_at2_dd_rms vs Slug



Right In: 1638.005 $\pm$ 0.440 χ^2 /NDF: 412736.4/18

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1648.104 $\pm$ 0.406 χ^2 /NDF: 478206.9/21

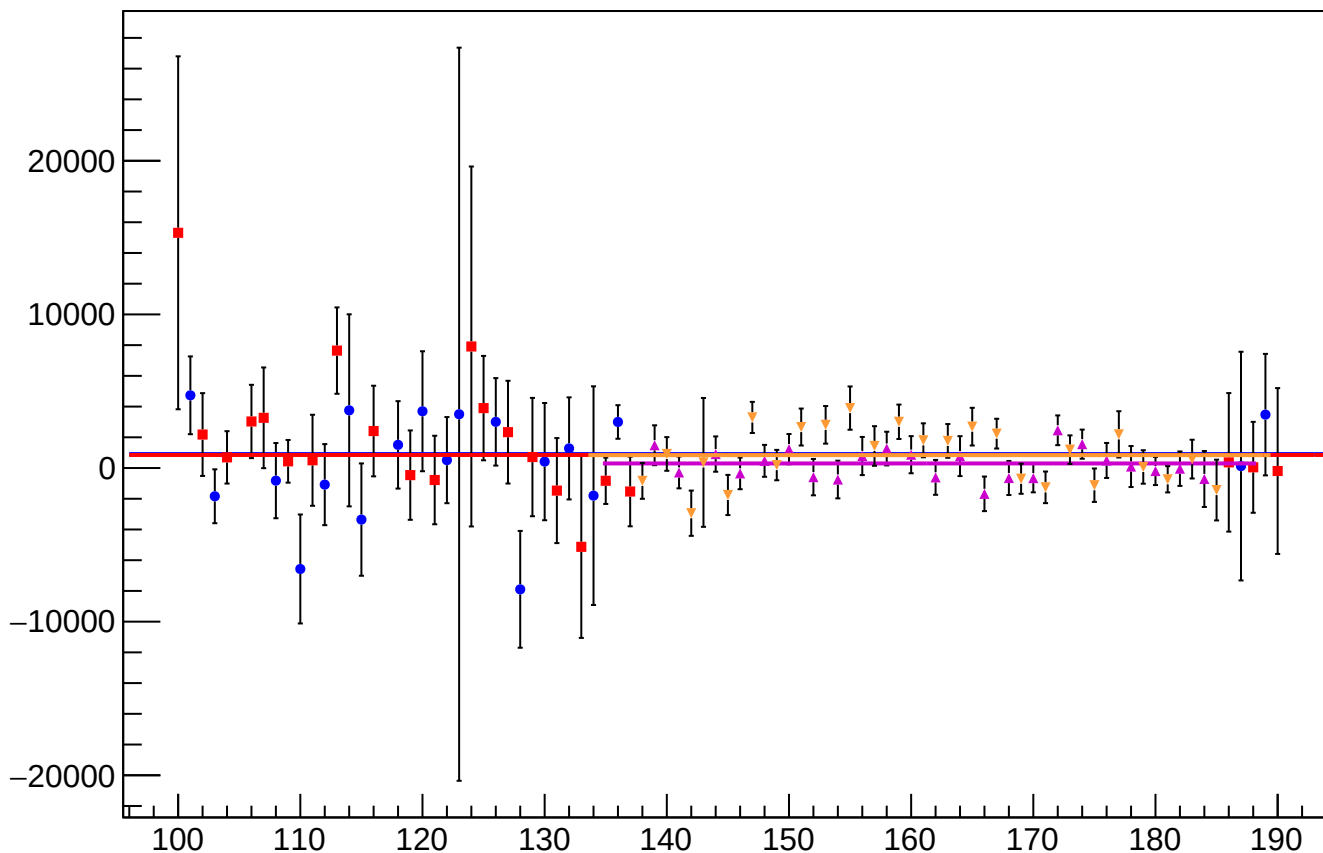
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1729.441 $\pm$ 0.245 χ^2 /NDF: 1174797.1/43

All: 1723.913 $\pm$ 0.172 χ^2 /NDF: 1923465.4/80

- sign 1718.575 $\pm$ 0.240 χ^2 /NDF: 747664.9/44

asym_at2_dd_correction_mean vs Slug



Right In: 906.579+/-622.640 χ^2/NDF : 22.6/18

Left Out: 839.344+/-230.465 χ^2/NDF : 54.4/24

Right Out: 850.321+/-571.119 χ^2/NDF : 15.3/21

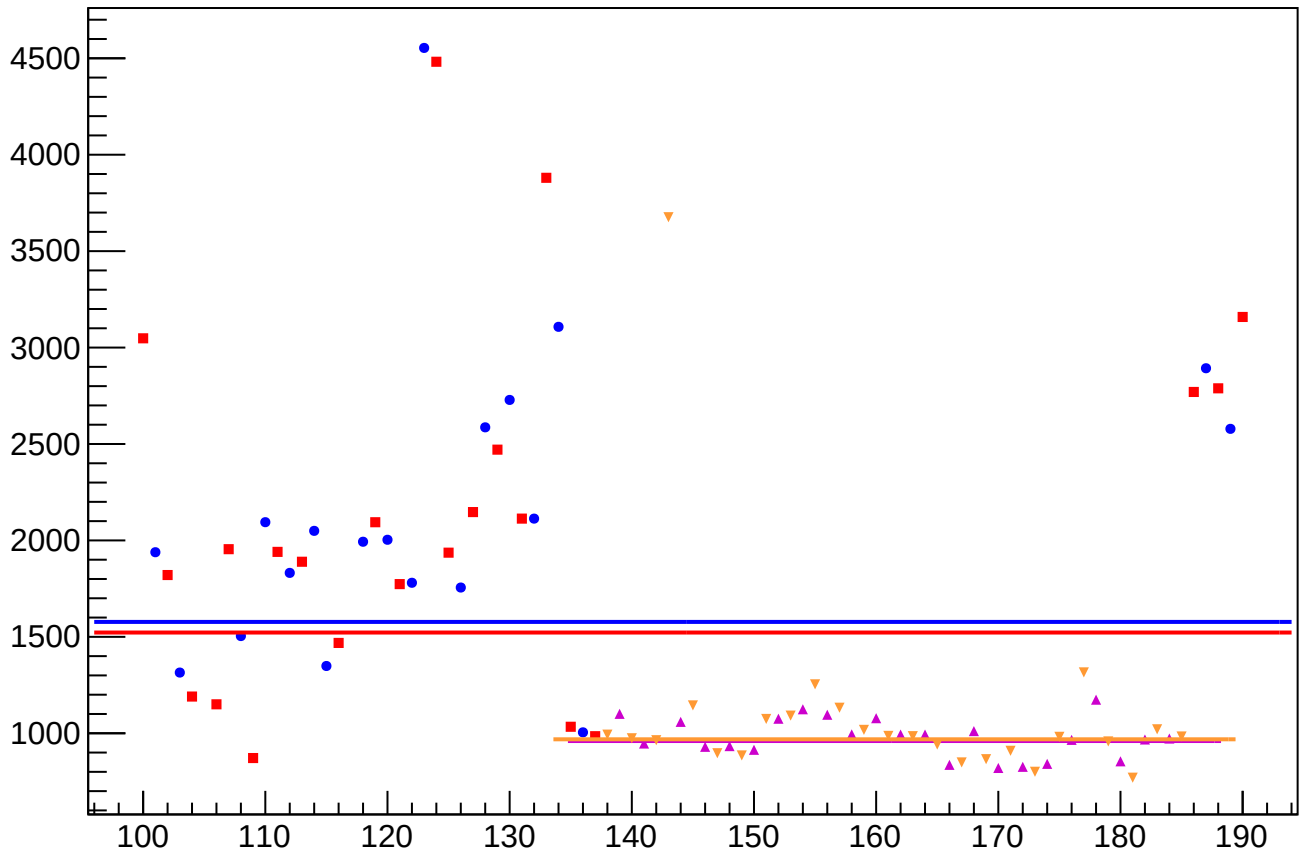
Left In: 298.801+/-231.400 χ^2/NDF : 18.3/22

+ sign 847.445+/-216.134 χ^2/NDF : 77.0/43

All: 610.183+/-152.236 χ^2/NDF : 113.8/88

- sign 376.573+/-214.465 χ^2/NDF : 34.4/44

asym_at2_dd_correction_rms vs Slug



Right In: 1577.436 $\pm$ 0.440 χ^2 /NDF: 1490057.1/18

Left Out: 968.712 $\pm$ 0.163 χ^2 /NDF: 1393696.6/24

+ sign 1042.061 $\pm$ 0.153 χ^2 /NDF: 4565015.0/43

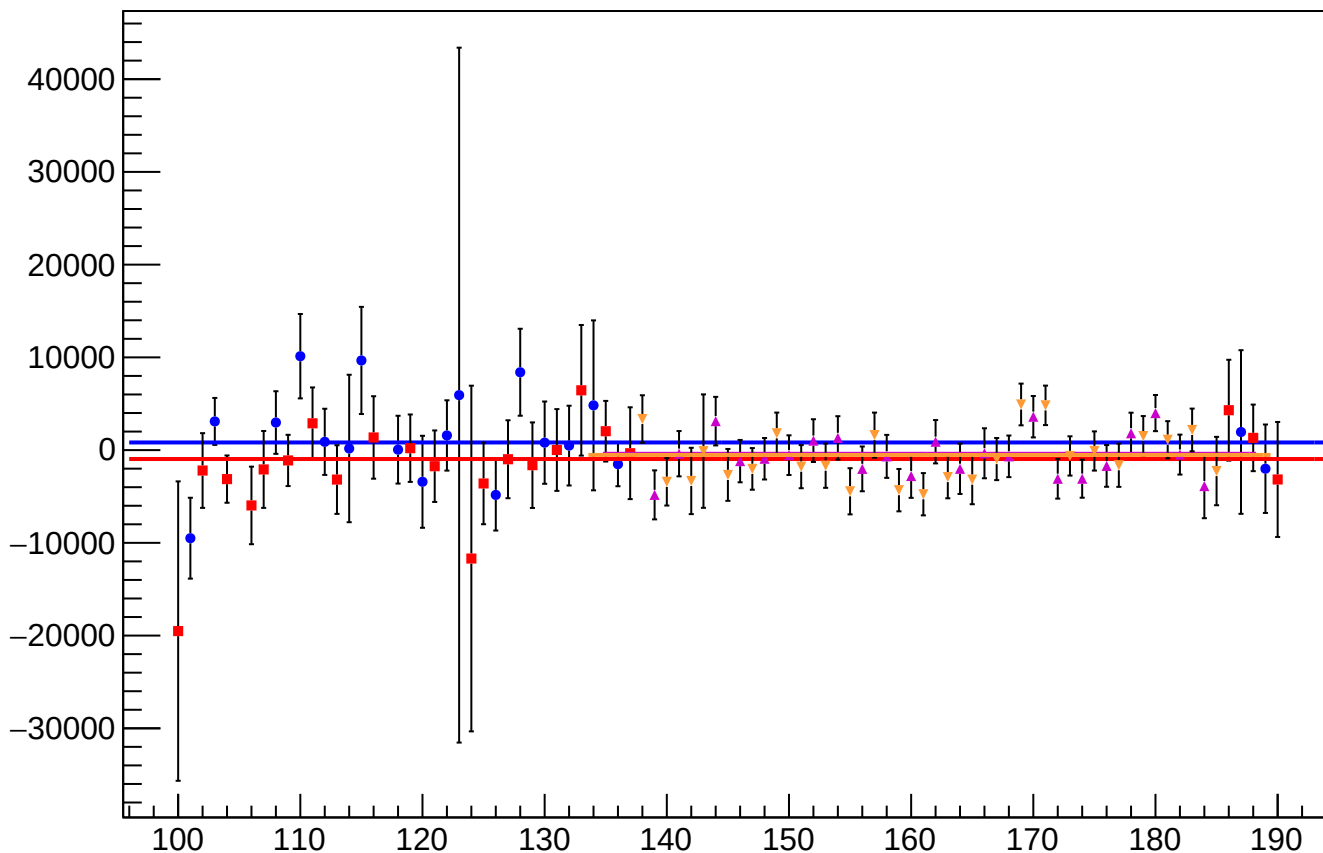
Right Out: 1522.357 $\pm$ 0.404 χ^2 /NDF: 2574065.6/21

All: 1040.585 $\pm$ 0.108 χ^2 /NDF: 9177301.0/86

Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

- sign 1039.132 $\pm$ 0.152 χ^2 /NDF: 4612100.9/44

asym_at2_dd_mean vs Slug



Right In: 824.691 ± 945.569 χ^2/NDF : 20.5/18

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -960.376 ± 876.875 χ^2/NDF : 9.6/21

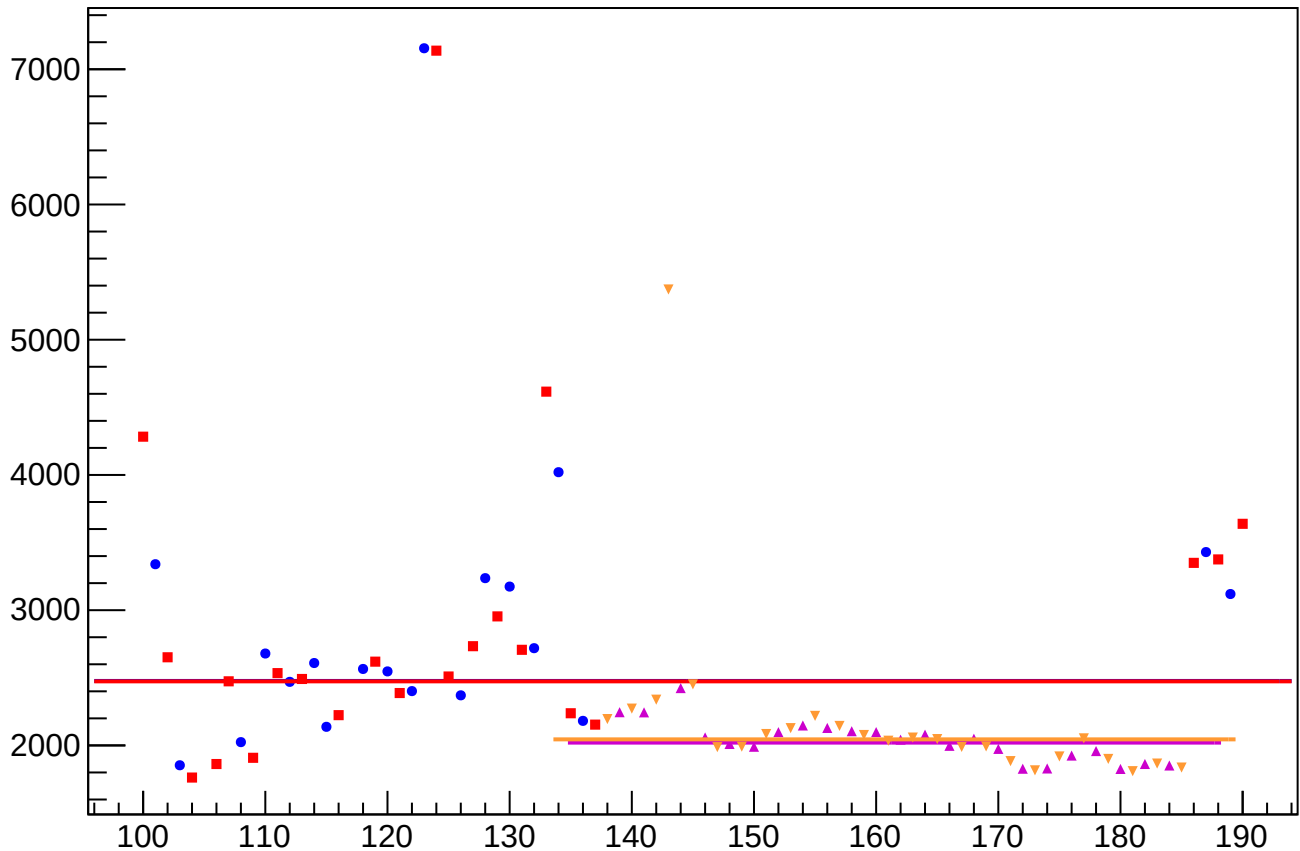
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -241.317 ± 429.063 χ^2/NDF : 56.1/43

All: -386.868 ± 301.746 χ^2/NDF : 88.1/88

- sign -529.299 ± 424.440 χ^2/NDF : 31.7/44

asym_at2_dd_rms vs Slug



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: 2473.793 $\pm$ 0.620 χ^2 /NDF: 935149.7/21

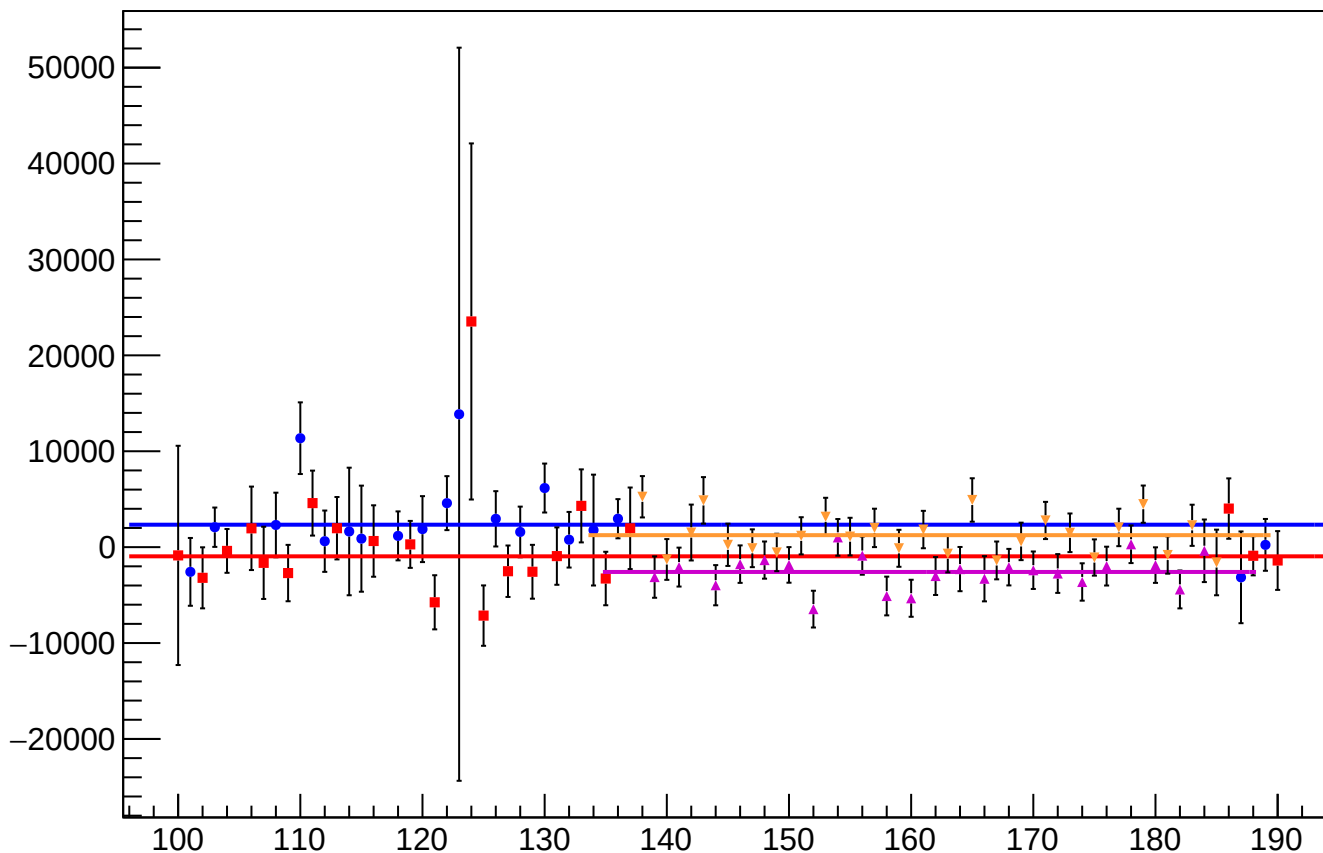
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2133.658 $\pm$ 0.303 χ^2 /NDF: 1657858.7/43

All: 2130.260 $\pm$ 0.213 χ^2 /NDF: 3175454.9/86

- sign 2126.934 $\pm$ 0.300 χ^2 /NDF: 1517348.0/44

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2340.801 $\pm$ 710.375 χ^2 /NDF: 13.8/18

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF:23.0/24

Right Out: -957.139 $\pm$ 664.533 χ^2 /NDF: 20.1/21

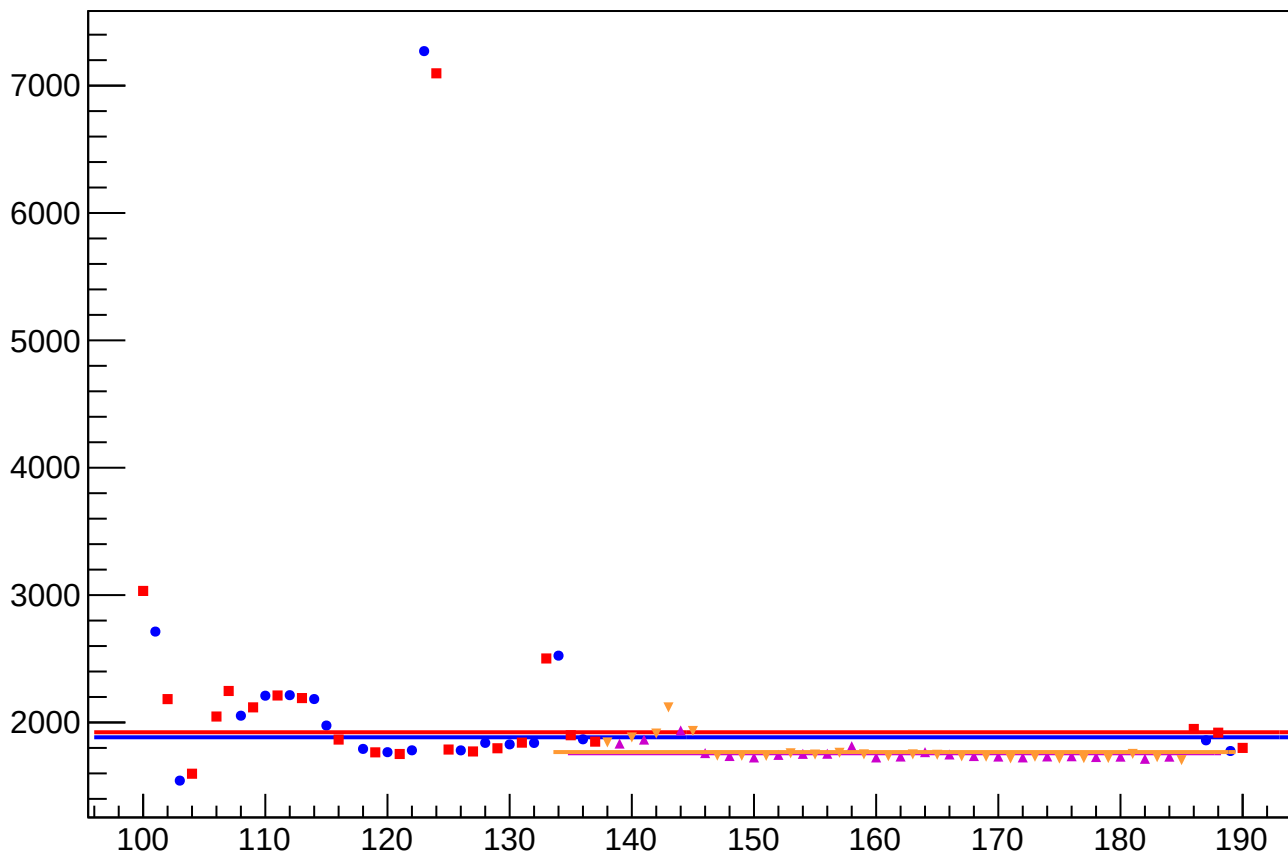
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1524.983 $\pm$ 356.711 χ^2 /NDF: 38.6/43

All: -301.098 $\pm$ 251.961 χ^2 /NDF: 132.7/88

- sign -2119.346 $\pm$ 355.945 χ^2 /NDF: 41.8/44

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1883.600+/-0.502 χ^2/NDF : 291233.9/18

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1923.062+/-0.469 χ^2/NDF : 363774.9/21

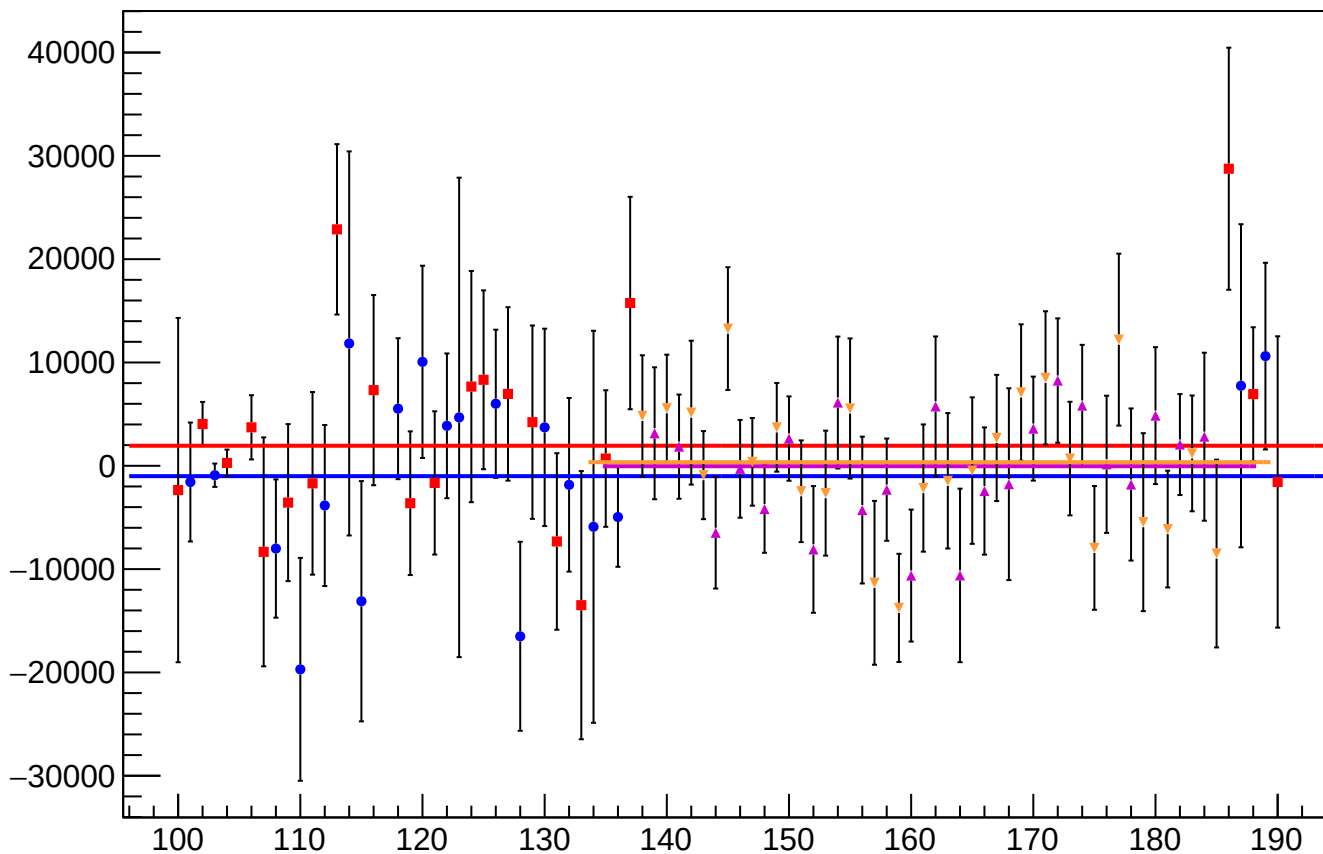
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1796.787+/-0.252 χ^2/NDF : 408848.9/43

All: 1801.153+/-0.178 χ^2/NDF : 891097.0/88

- sign 1805.497+/-0.252 χ^2/NDF : 481650.5/44

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1002.385 ± 977.533 χ^2/NDF : 15.5/18

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 1942.661 ± 927.278 χ^2/NDF : 23.8/21

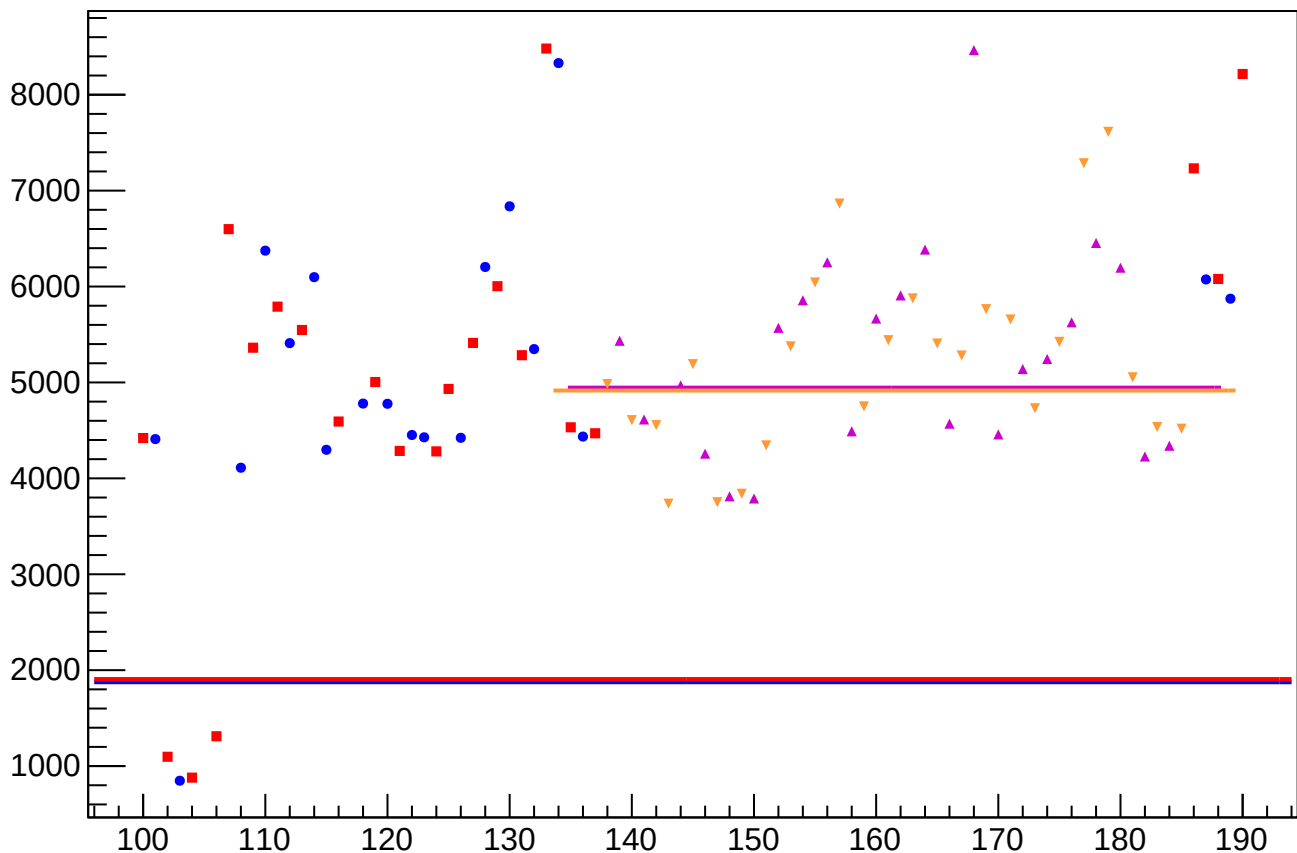
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -445.955 ± 750.176 χ^2/NDF : 44.1/43

All: 396.884 ± 525.168 χ^2/NDF : 88.1/88

- sign 1206.941 ± 735.442 χ^2/NDF : 41.5/44

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1874.316 $\pm$ 0.691 χ^2 /NDF: 6983152.7/18

Left Out: 4915.865 $\pm$ 0.827 χ^2 /NDF:1186479.7/24

Right Out: 1907.240 $\pm$ 0.656 χ^2 /NDF: 7992049.0/21

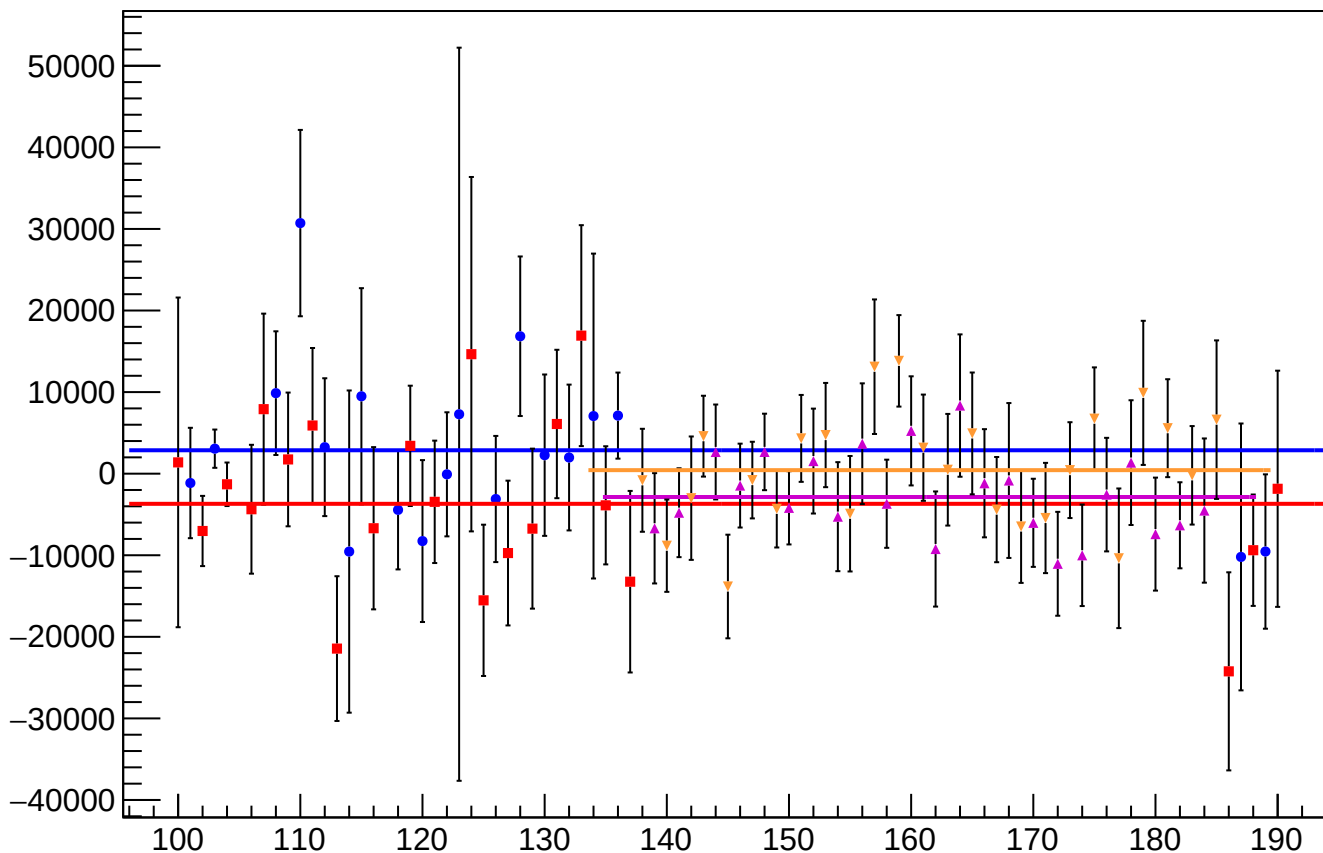
Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

+ sign 3124.608 $\pm$ 0.530 χ^2 /NDF: 16128895.6/43

All: 3078.628 $\pm$ 0.371 χ^2 /NDF: 33290684.8/8

- sign 3034.436 $\pm$ 0.520 χ^2 /NDF: 17147054.4/44

asym_atl1r2_avg_mean vs Slug



Right In: 2868.660 $\pm$ 1579.089 χ^2 /NDF: 15.9/18

Left Out: 430.860 $\pm$ 1258.273 χ^2 /NDF:27.1/24

Right Out: -3695.313 $\pm$ 1543.513 χ^2 /NDF: 19.6/21

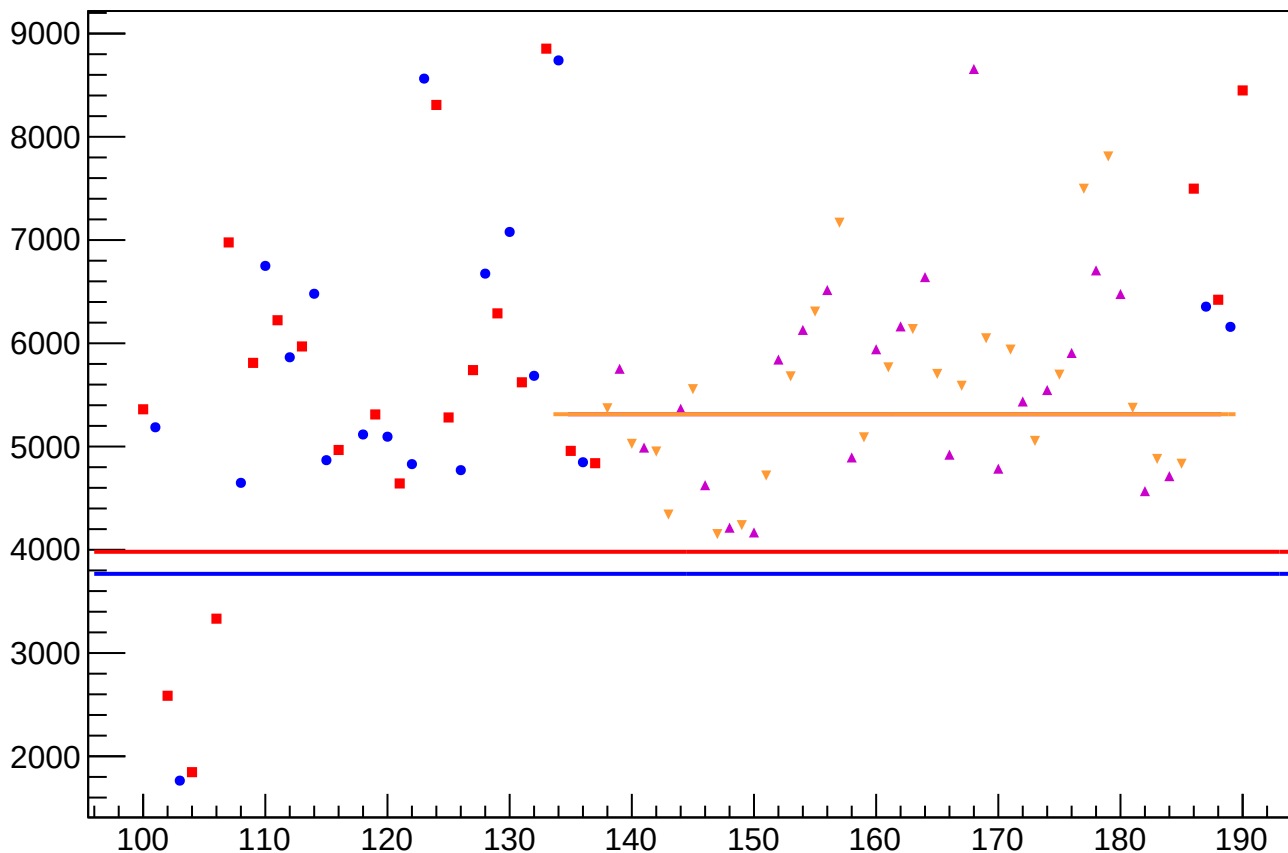
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1377.601 $\pm$ 984.064 χ^2 /NDF: 44.5/43

All: -897.592 $\pm$ 698.234 χ^2 /NDF: 87.9/88

- sign -3204.392 $\pm$ 990.876 χ^2 /NDF: 32.7/44

asym_atl1r2_avg_rms vs Slug



Right In: 3766.997 ± 1.117 $\chi^2/\text{NDF}: 2964953.1/18$

Left Out: 5313.008 ± 0.890 $\chi^2/\text{NDF}: 894369.8/24$

Right Out: 3980.603 ± 1.085 $\chi^2/\text{NDF}: 3355133.7/21$

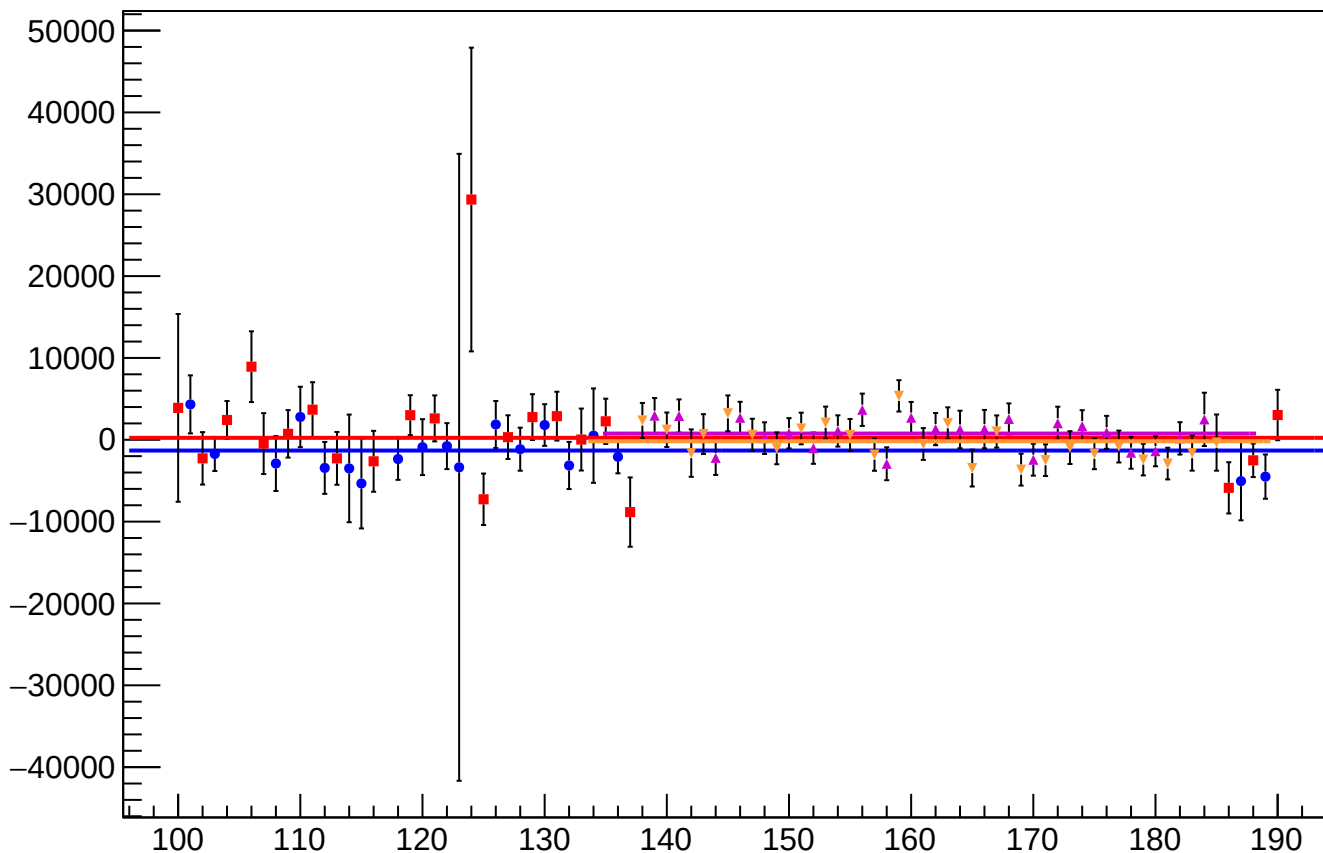
Left In: 5312.861 ± 0.914 $\chi^2/\text{NDF}: 957400.7/22$

+ sign 4712.601 ± 0.696 $\chi^2/\text{NDF}: 5031892.3/43$

All: 4736.117 ± 0.493 $\chi^2/\text{NDF}: 10229018.9/8$

- sign 4759.839 ± 0.699 $\chi^2/\text{NDF}: 5194832.4/44$

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1314.364 $\pm$ 708.443 χ^2/NDF : 10.7/18

Left Out: -179.794 $\pm$ 410.976 χ^2/NDF : 29.3/24

Right Out: 239.368 $\pm$ 663.127 χ^2/NDF : 31.3/21

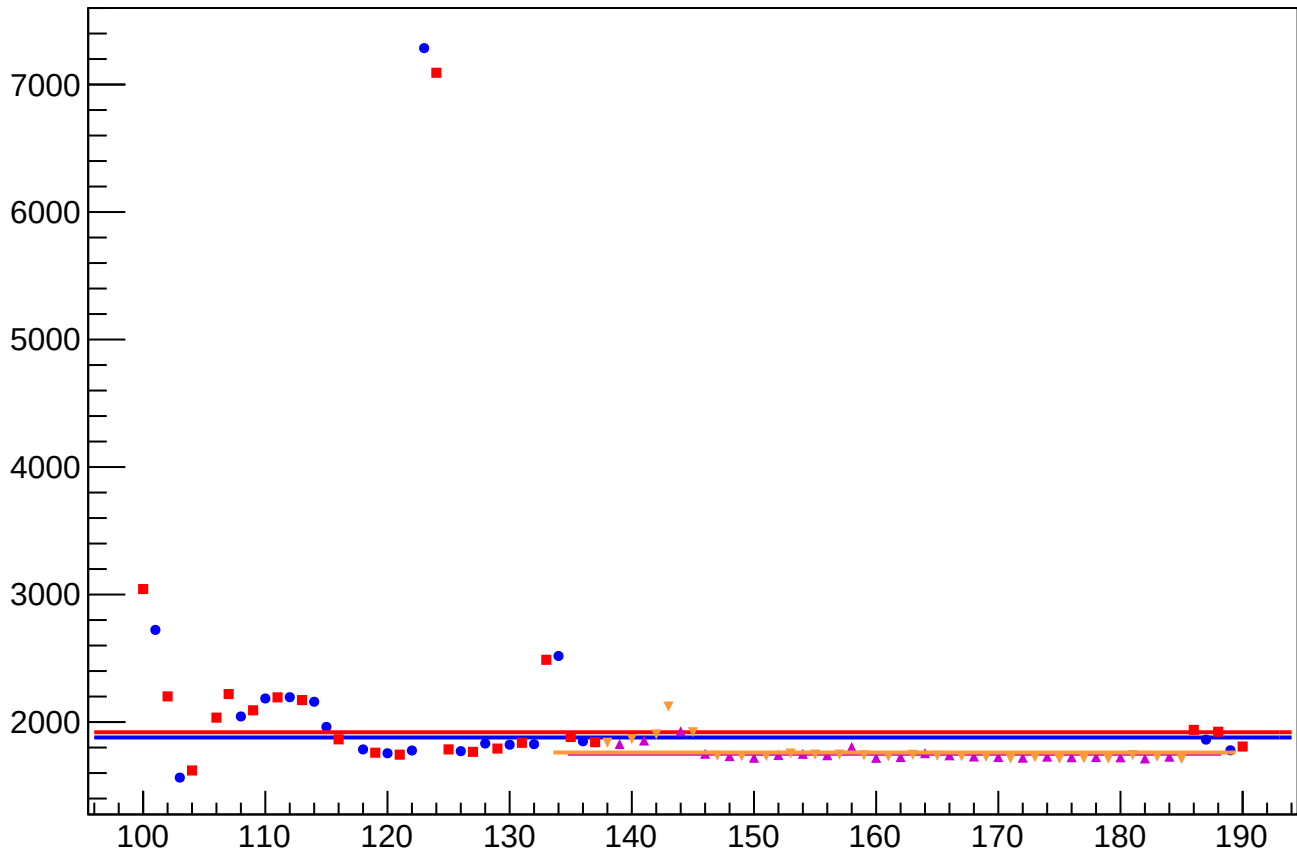
Left In: 759.753 $\pm$ 419.905 χ^2/NDF : 20.3/22

+ sign -465.471 $\pm$ 355.490 χ^2/NDF : 41.9/43

All: 73.775 $\pm$ 251.112 χ^2/NDF : 98.5/88

- sign 610.815 $\pm$ 354.762 χ^2/NDF : 52.0/44

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1879.043 ± 0.501 $\chi^2/\text{NDF}: 282189.9/18$

Left Out: 1761.091 ± 0.291 $\chi^2/\text{NDF}: 77468.5/24$

Right Out: 1919.939 ± 0.468 $\chi^2/\text{NDF}: 352366.7/21$

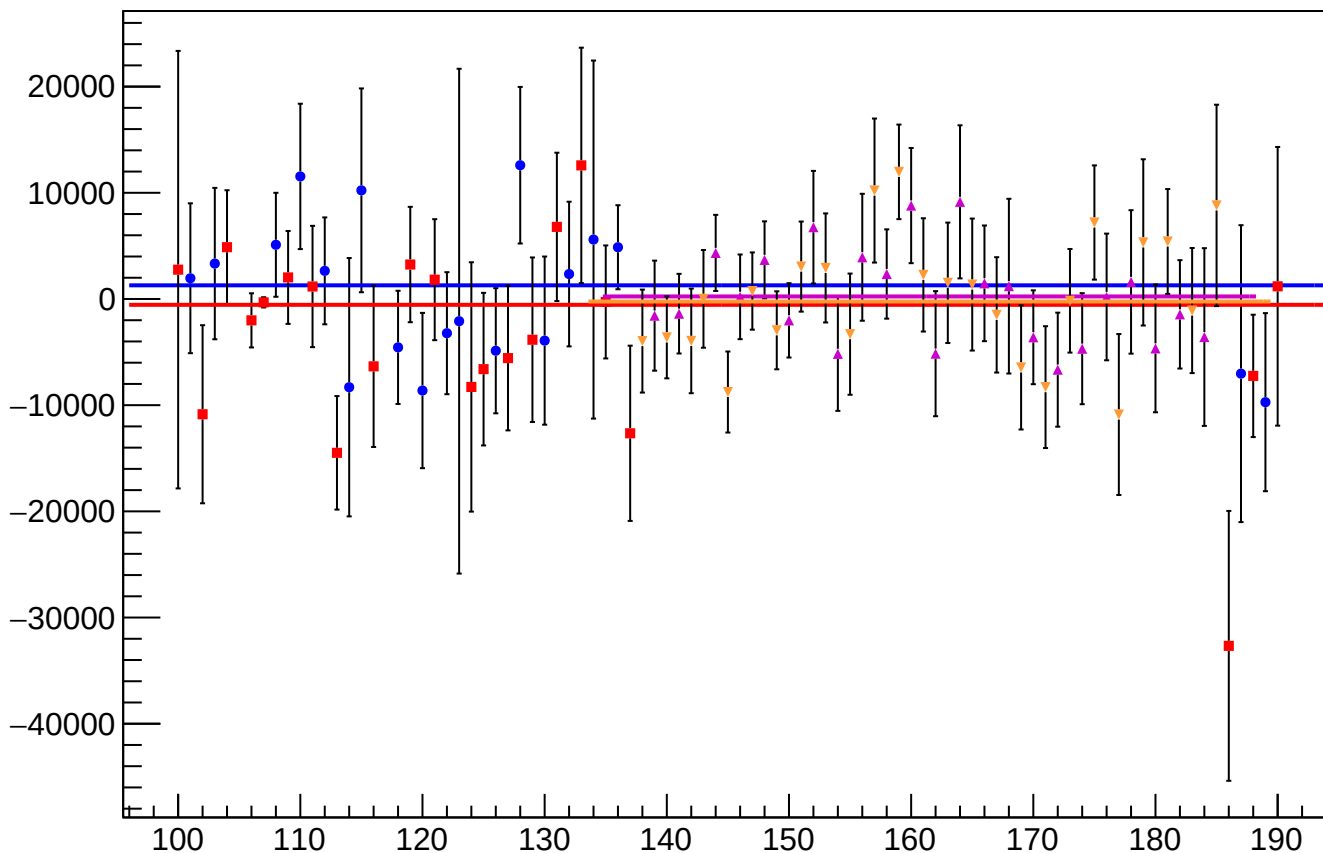
Left In: 1751.418 ± 0.297 $\chi^2/\text{NDF}: 28578.7/22$

+ sign 1790.790 ± 0.251 $\chi^2/\text{NDF}: 401140.2/43$

All: 1795.274 ± 0.178 $\chi^2/\text{NDF}: 875083.8/88$

- sign 1799.737 ± 0.251 $\chi^2/\text{NDF}: 473308.7/44$

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1286.861 $\pm$ 1548.151 χ^2 /NDF: 15.0/18

Left Out: -235.806 $\pm$ 1005.144 χ^2 /NDF: 28.9/24

Right Out: -549.941 $\pm$ 451.810 χ^2 /NDF: 25.9/21

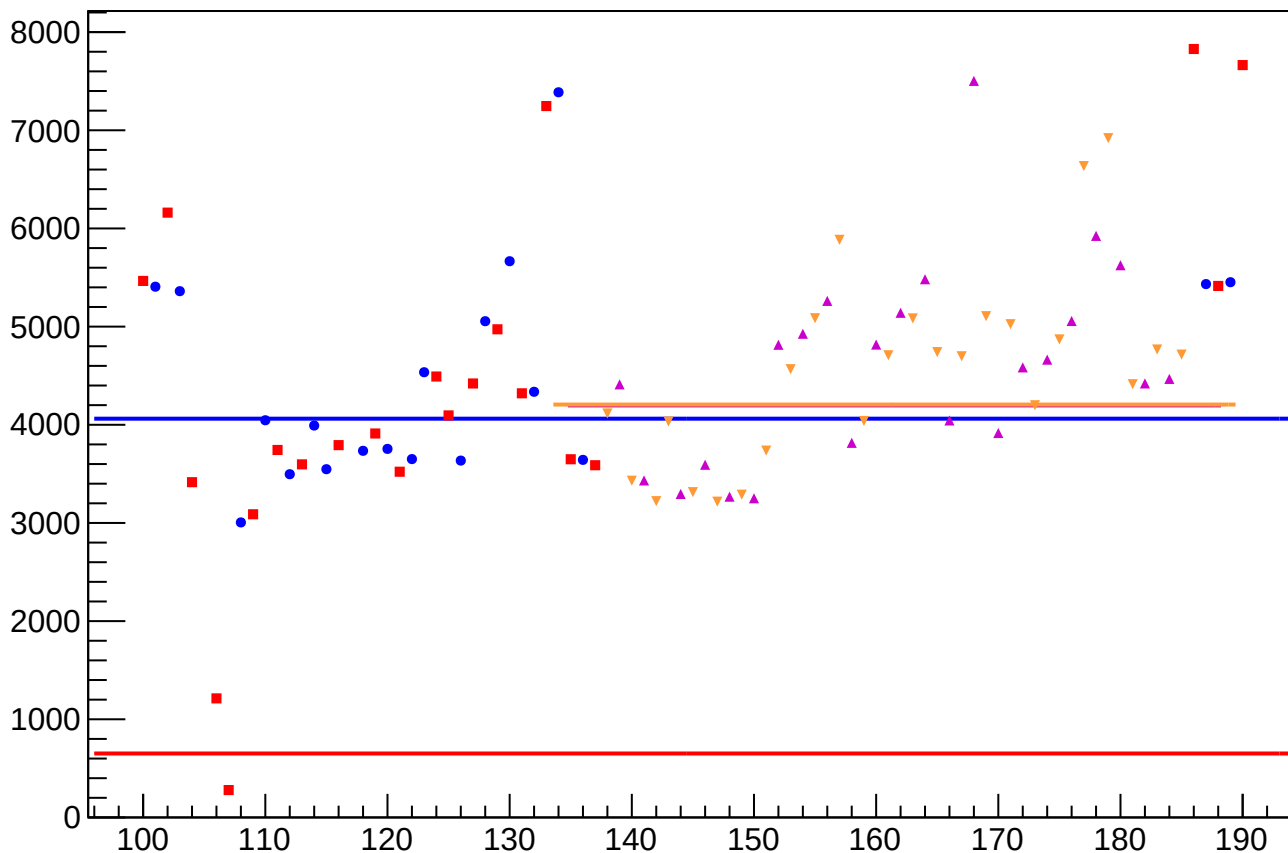
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF: 15.3/22

+ sign 215.715 $\pm$ 843.043 χ^2 /NDF: 44.6/43

All: -298.540 $\pm$ 371.379 χ^2 /NDF: 86.8/88

- sign -422.366 $\pm$ 413.682 χ^2 /NDF: 41.7/44

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4062.173+/-1.095 χ^2/NDF : 591942.3/18

Left Out: 4206.076+/-0.711 χ^2/NDF : 1442269.3/24

Right Out: 651.670+/-0.319 χ^2/NDF : 12810187.6/21

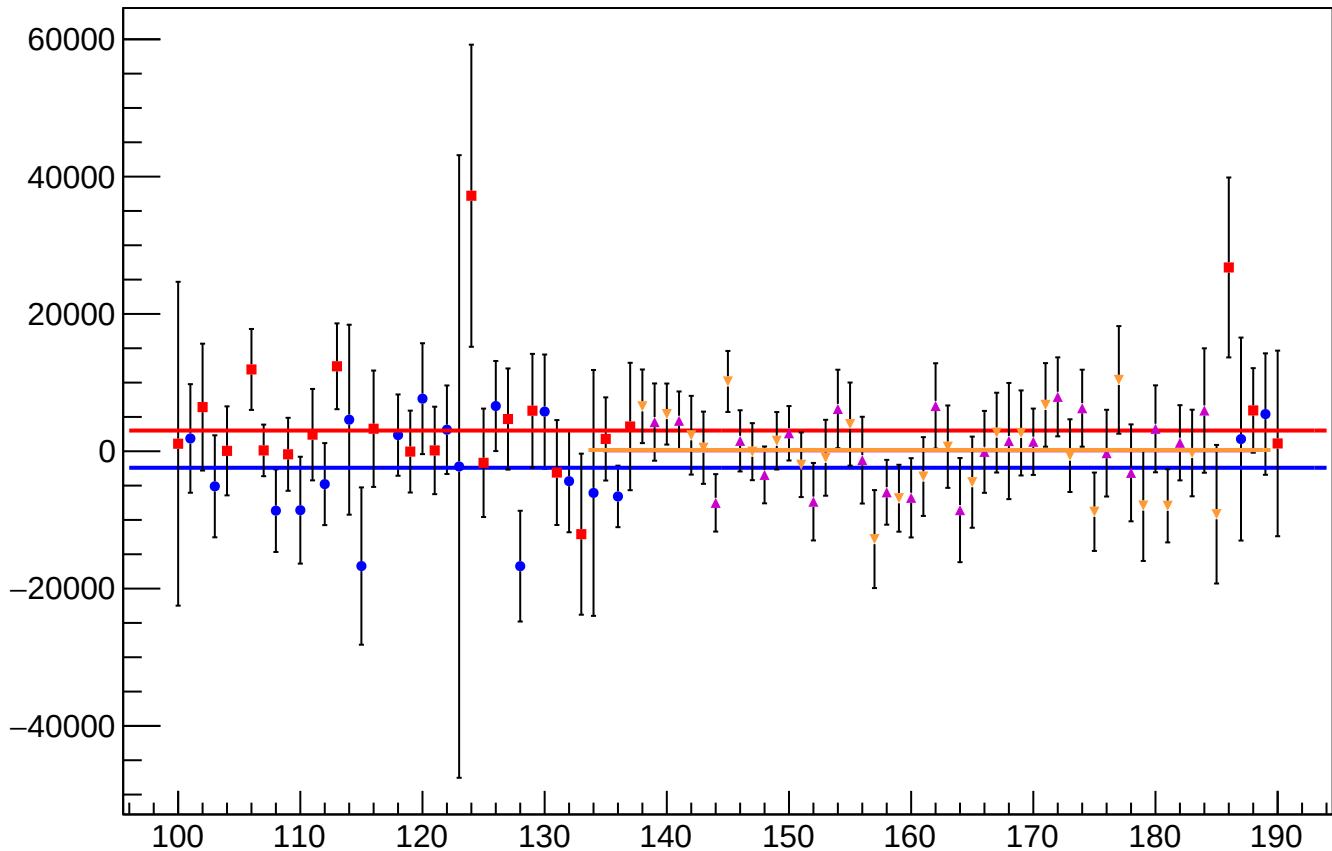
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4163.404+/-0.596 χ^2/NDF : 2046367.5/43

All: 1795.103+/-0.263 χ^2/NDF : 55822737.2/8

- sign 1224.848+/-0.293 χ^2/NDF : 34192393.4/44

asym_atl1r2_dd_mean vs Slug



Right In: -2403.730 $\pm$ 1743.446 χ^2/NDF : 14.9/18

Left Out: 189.721 $\pm$ 1106.851 χ^2/NDF : 25.0/24

Right Out: 3017.016 $\pm$ 1508.806 χ^2/NDF : 15.2/21

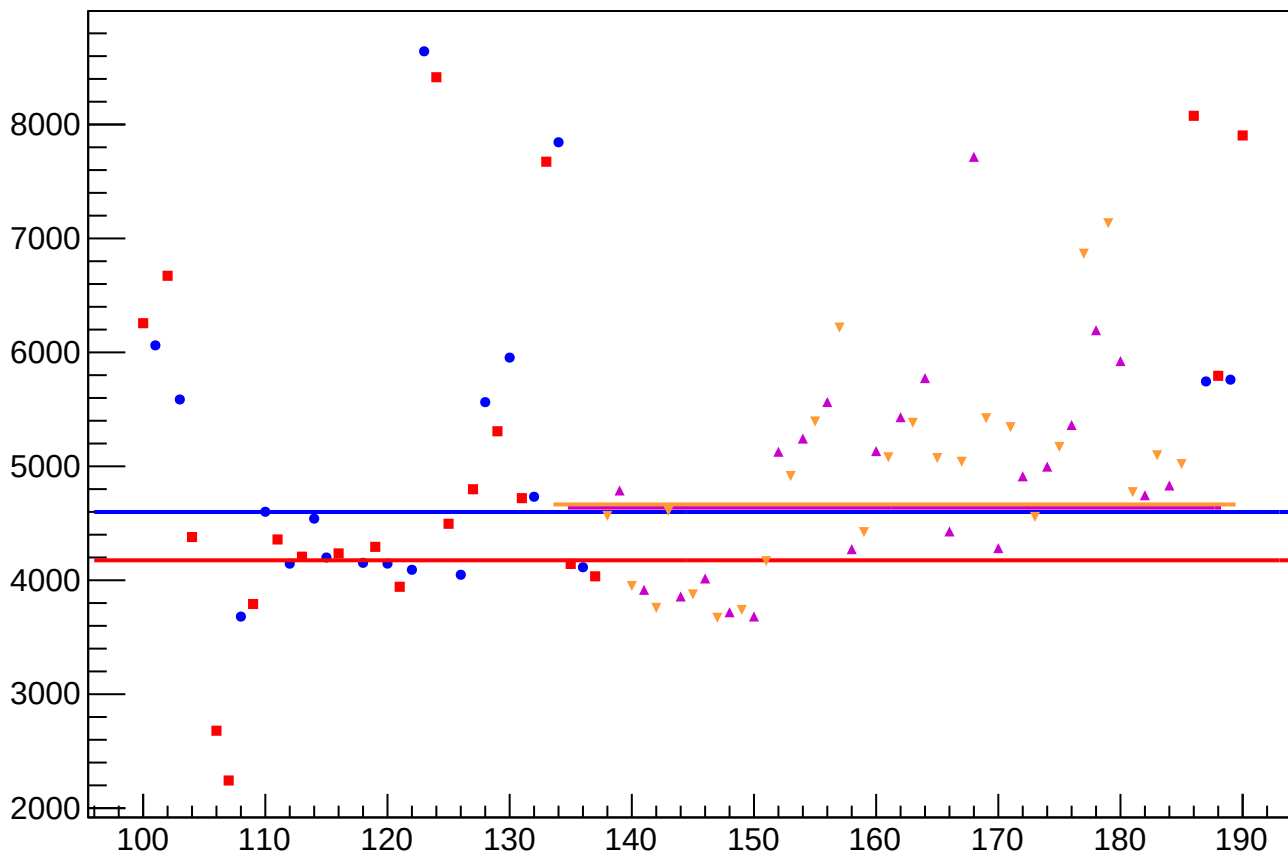
Left In: 137.477 $\pm$ 1129.656 χ^2/NDF : 18.6/22

+ sign -555.296 $\pm$ 934.442 χ^2/NDF : 41.5/43

All: 336.584 $\pm$ 649.826 χ^2/NDF : 79.3/88

- sign 1171.826 $\pm$ 904.285 χ^2/NDF : 36.1/44

asym_atl1r2_dd_rms vs Slug



Right In: 4599.219+/-1.233 χ^2/NDF : 442299.0/18

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

Right Out: 4175.208+/-1.061 χ^2/NDF : 1645918.0/21

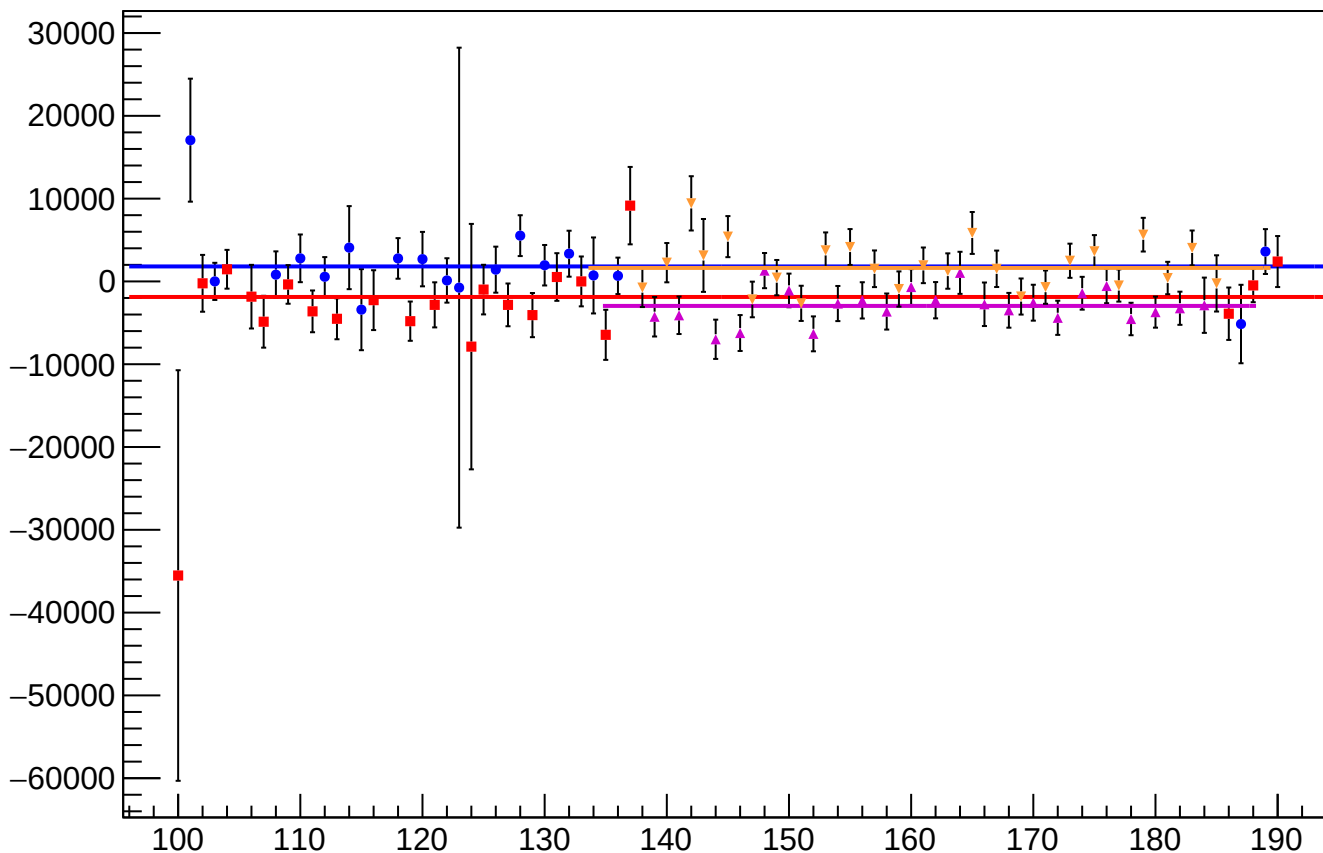
Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

+ sign 4646.545+/-0.661 χ^2/NDF : 1461601.6/43

All: 4555.379+/-0.459 χ^2/NDF : 4330893.6/80

- sign 4470.364+/-0.638 χ^2/NDF : 2832503.2/44

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1809.882 $\pm$ 682.522 χ^2 /NDF: 12.9/18

Left Out: 1630.035 $\pm$ 447.063 χ^2 /NDF: 35.4/24

Right Out: -1877.850 $\pm$ 623.432 χ^2 /NDF: 21.5/21

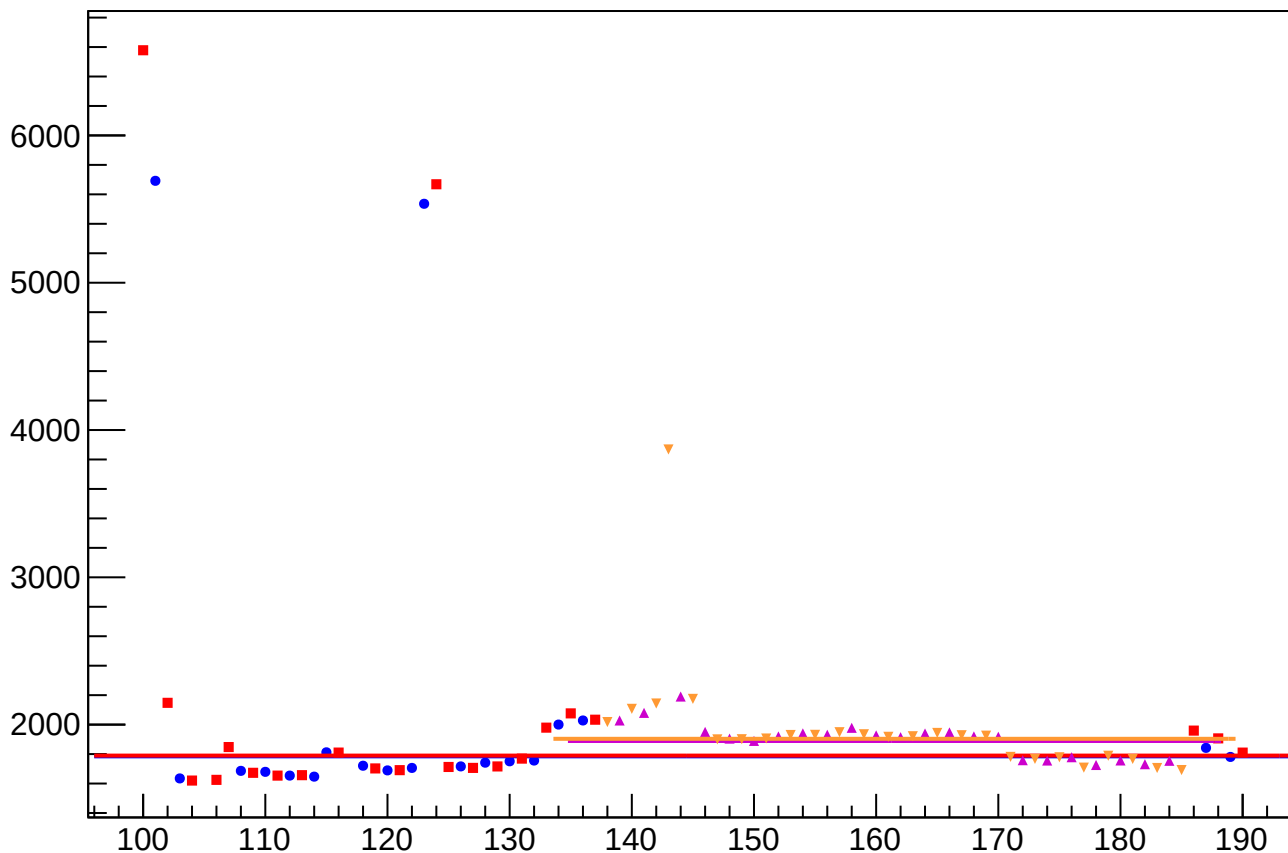
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1684.031 $\pm$ 373.978 χ^2 /NDF: 48.4/43

All: -491.352 $\pm$ 261.880 χ^2 /NDF: 158.7/88

- sign -2584.427 $\pm$ 366.835 χ^2 /NDF: 43.9/44

reg_asym_atr1l2_avg_rms vs Slug



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: 1789.675+/-0.438 χ^2/NDF : 320597.1/21

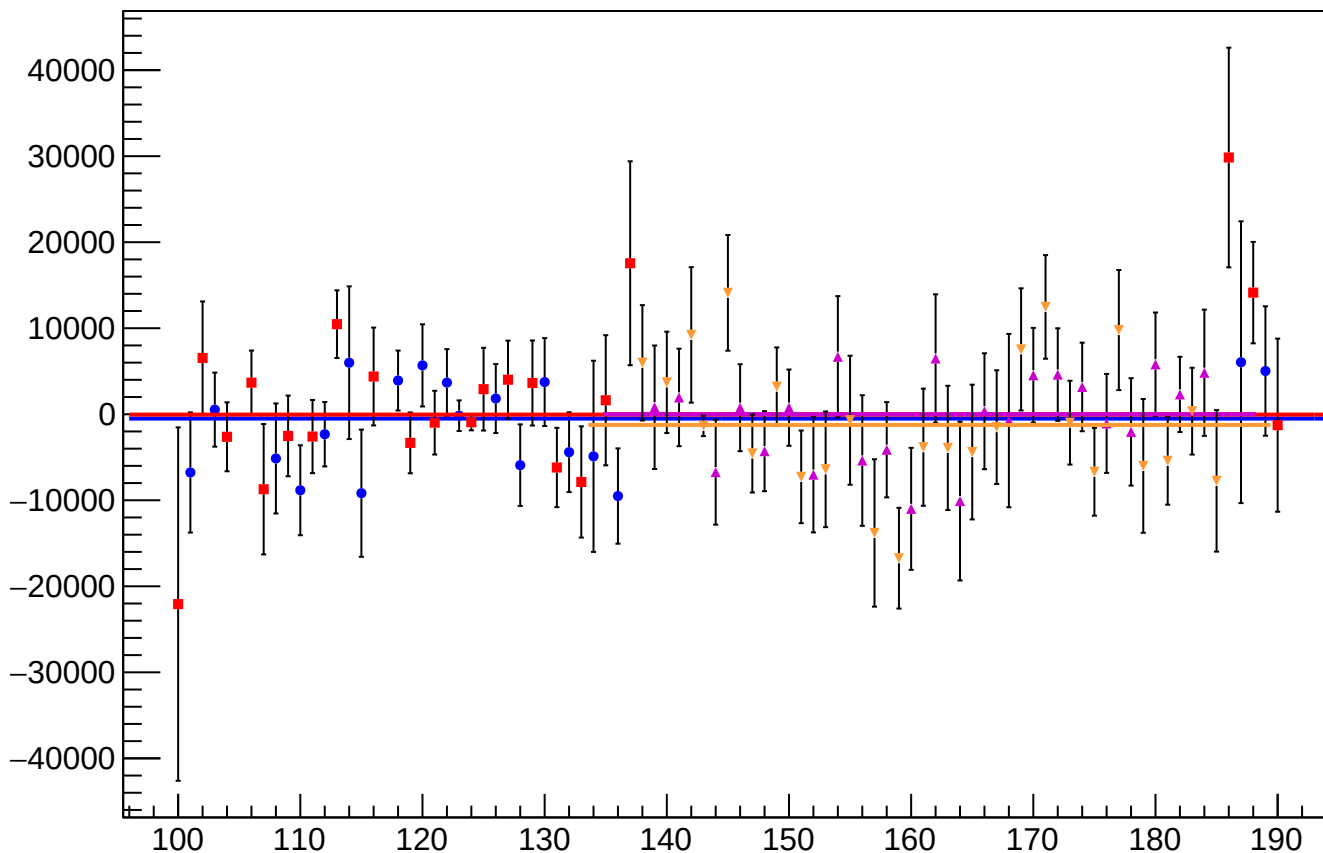
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1867.860+/-0.264 χ^2/NDF : 1229122.8/43

All: 1860.939+/-0.185 χ^2/NDF : 1710867.0/80

- sign 1854.306+/-0.259 χ^2/NDF : 480402.5/44

asym_atr1l2_avg_correction_mean vs Slug



Right In: -503.380 ± 1000.107 χ^2/NDF : 17.1/18

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: -42.680 ± 717.462 χ^2/NDF : 33.6/21

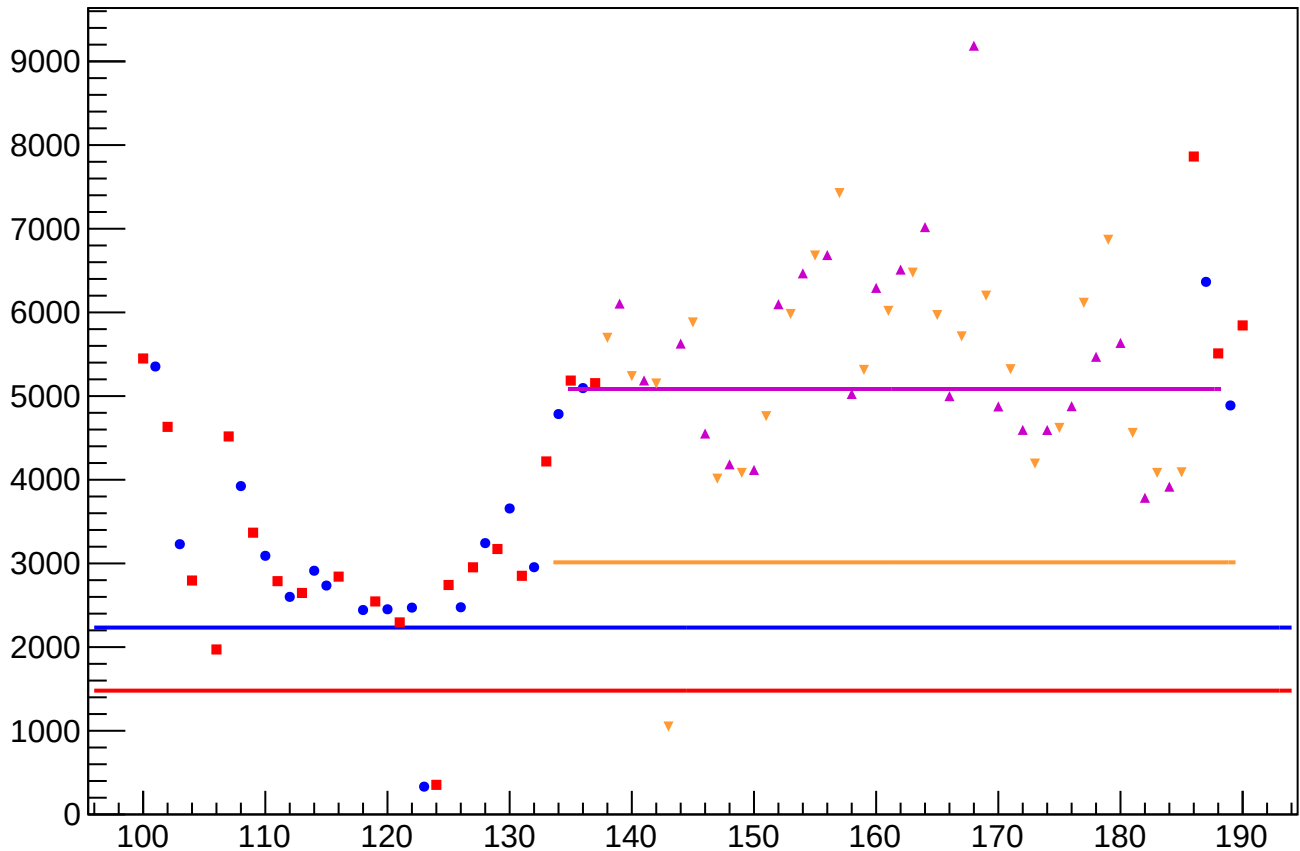
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -924.592 ± 654.327 χ^2/NDF : 51.3/43

All: -453.213 ± 450.595 χ^2/NDF : 99.1/88

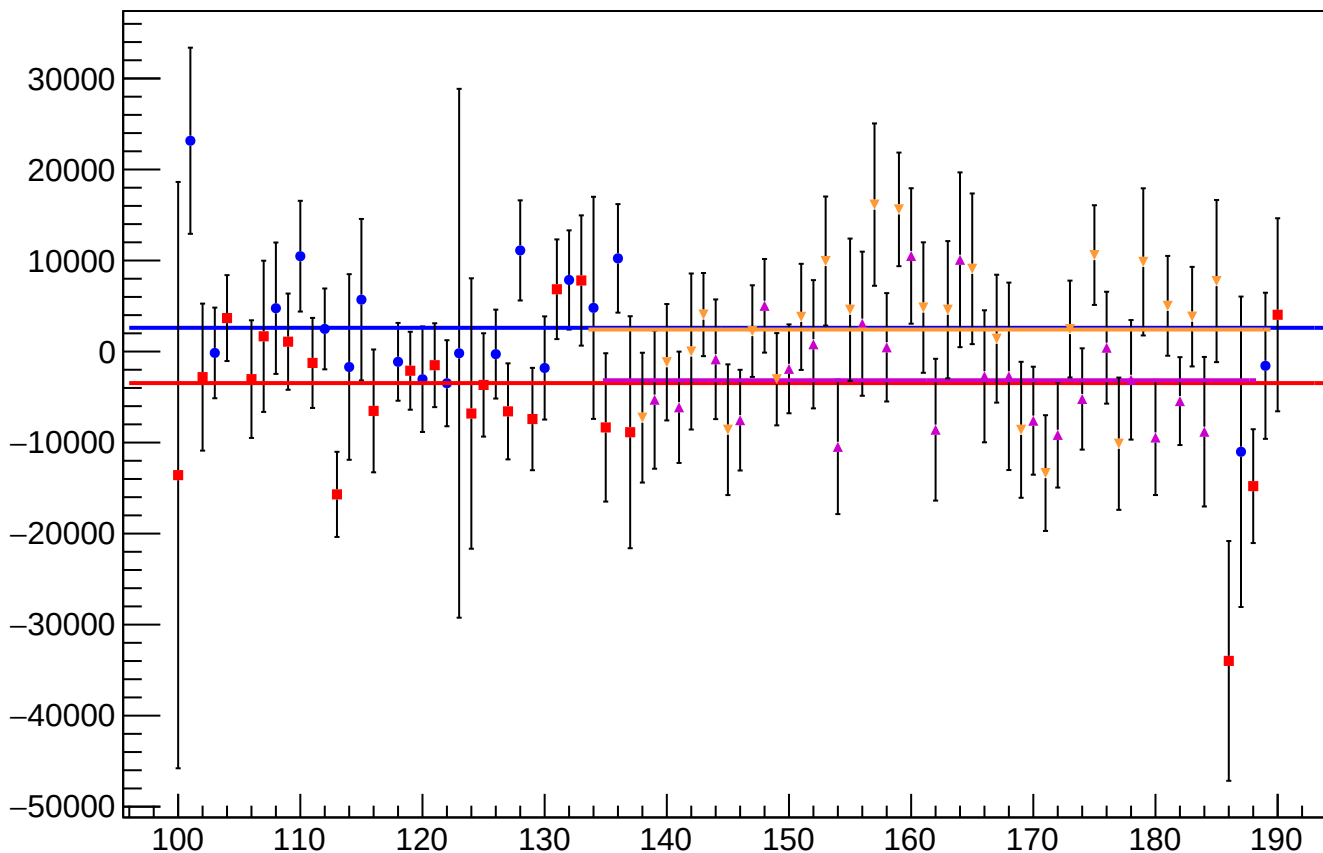
- sign -28.055 ± 621.420 χ^2/NDF : 46.8/44

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2233.606 $\pm$ 0.707	χ^2 /NDF: 4362355.7/18	+ sign 2679.531 $\pm$ 0.463	χ^2 /NDF: 17328304.8/43
Left Out: 3013.268 $\pm$ 0.612	χ^2 /NDF: 12270753.9/24	All: 2522.214 $\pm$ 0.319	χ^2 /NDF: 40155427.6/8
Right Out: 1479.805 $\pm$ 0.507	χ^2 /NDF: 8690877.0/21	- sign 2380.322 $\pm$ 0.439	χ^2 /NDF: 22607238.9/44
Left In: 5084.645 $\pm$ 0.879	χ^2 /NDF: 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2607.194+/-1423.985 χ^2/NDF : 16.6/18

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -3465.261+/-1332.615 χ^2/NDF : 27.6/21

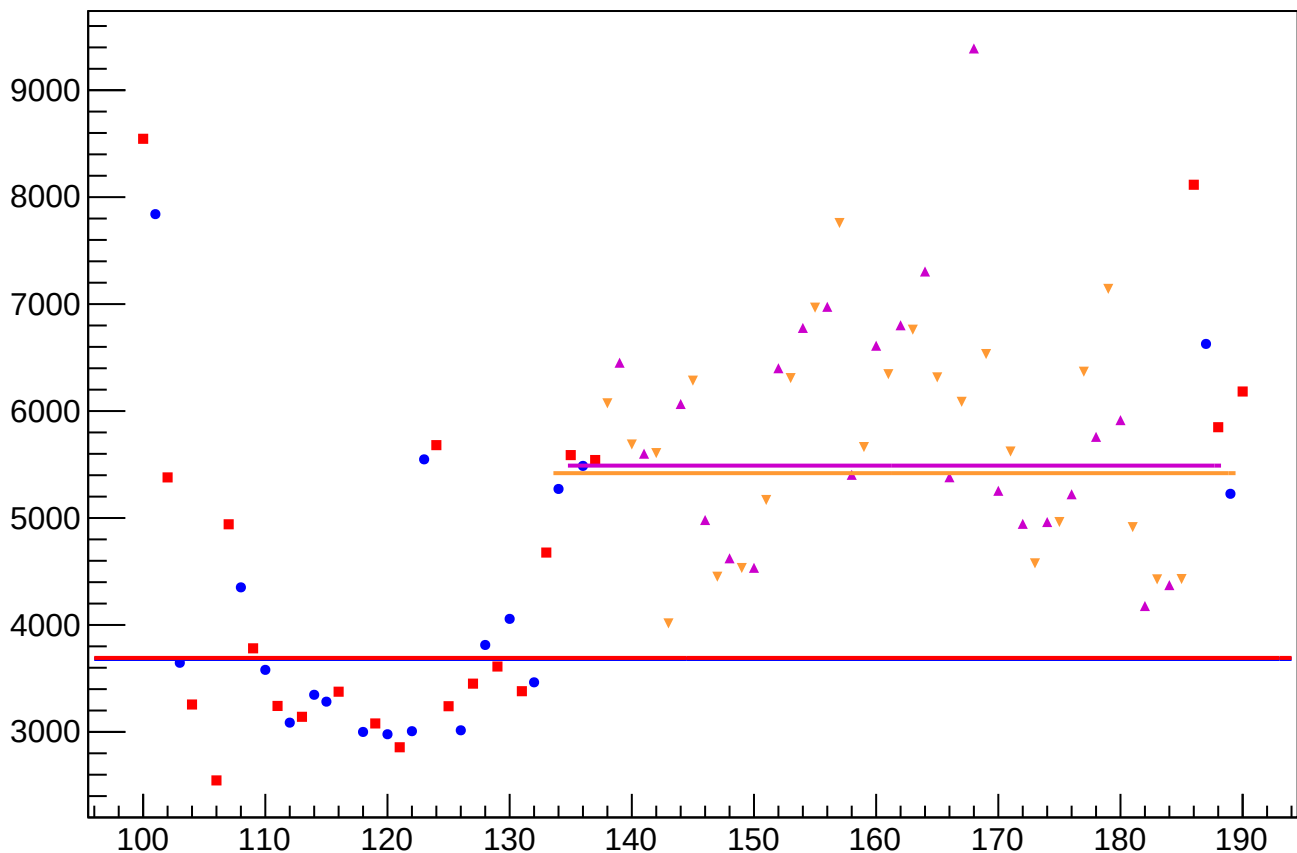
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2502.589+/-954.601 χ^2/NDF : 46.5/43

All: -436.175+/-671.218 χ^2/NDF : 108.5/88

- sign -3309.911+/-943.980 χ^2/NDF : 43.2/44

asym_atr1l2_avg_rms vs Slug



Right In: 3681.931+/-1.007 χ^2/NDF : 921834.5/18

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 3691.910+/-0.930 χ^2/NDF : 1274864.1/21

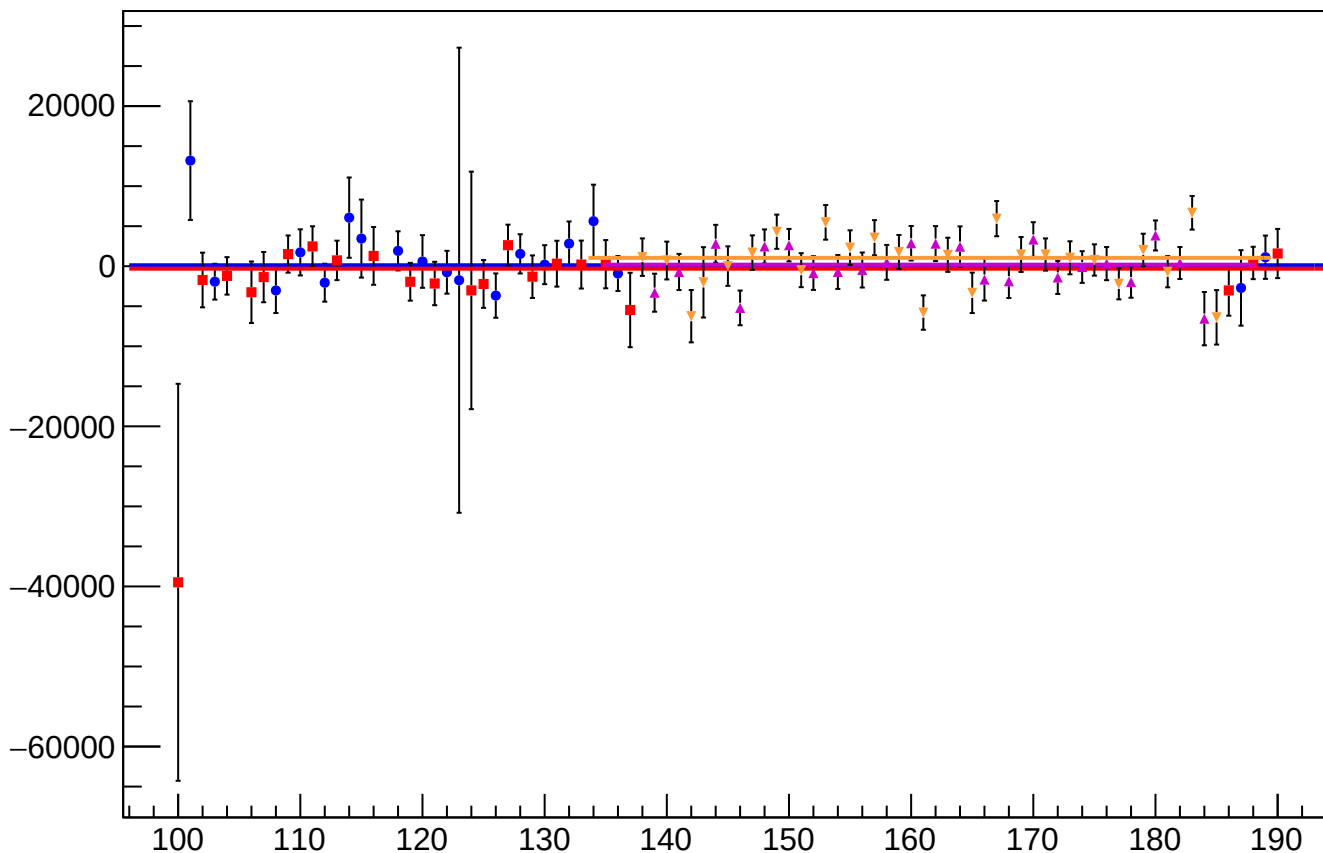
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4638.524+/-0.675 χ^2/NDF : 3671056.7/43

All: 4606.672+/-0.473 χ^2/NDF : 7852154.2/86

- sign 4575.934+/-0.663 χ^2/NDF : 4176722.0/44

reg_asym_atr1l2_dd_mean vs Slug



Right In: 120.749 $\pm$ 680.472 χ^2 /NDF: 14.2/18

Left Out: 1041.262 $\pm$ 446.249 χ^2 /NDF: 48.6/24

Right Out: -306.212 $\pm$ 621.340 χ^2 /NDF: 11.2/21

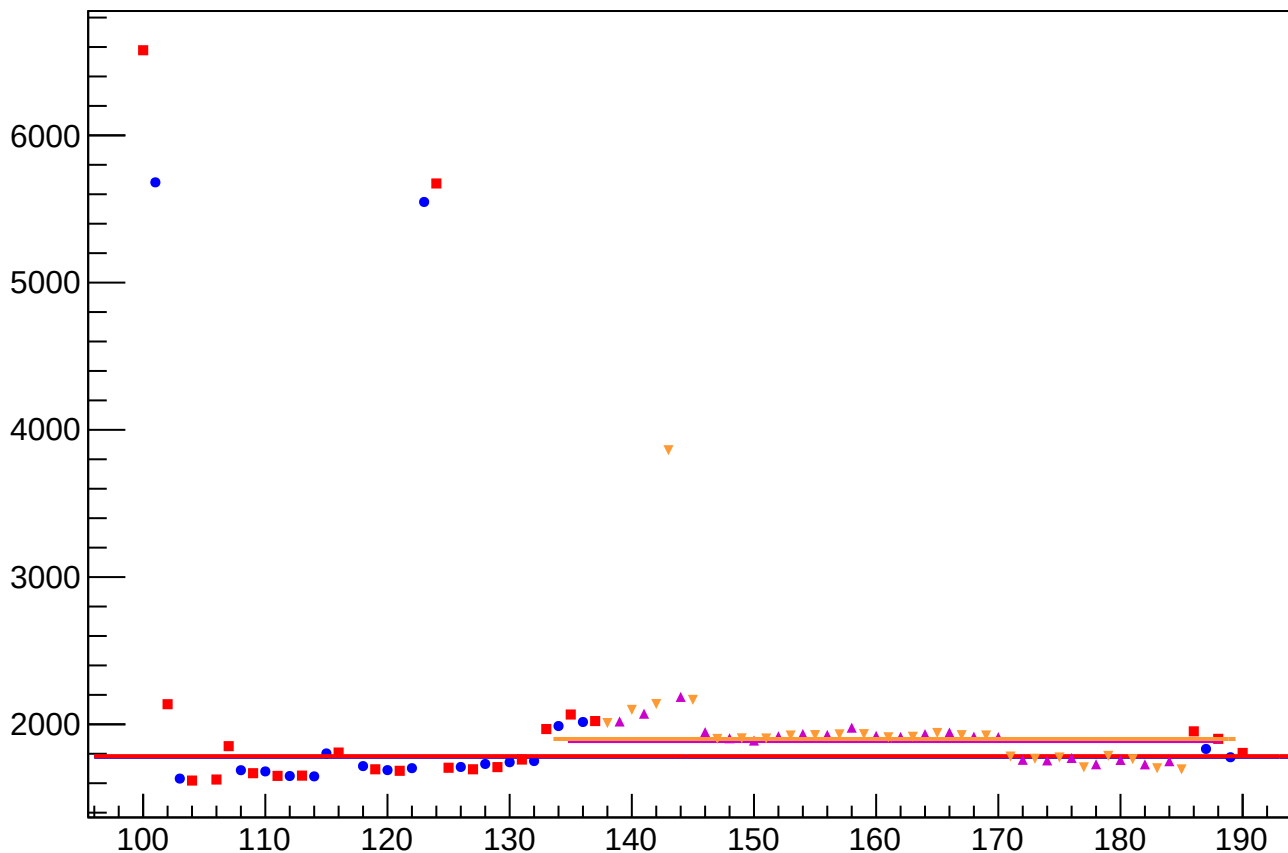
Left In: 191.966 $\pm$ 453.055 χ^2 /NDF: 30.0/22

+ sign 764.435 $\pm$ 373.164 χ^2 /NDF: 64.1/43

All: 384.588 $\pm$ 261.324 χ^2 /NDF: 107.7/88

- sign 19.040 $\pm$ 366.073 χ^2 /NDF: 41.6/44

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1779.227 $\pm$ 0.481 χ^2 /NDF: 643247.4/18

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1783.779 $\pm$ 0.437 χ^2 /NDF: 320054.7/21

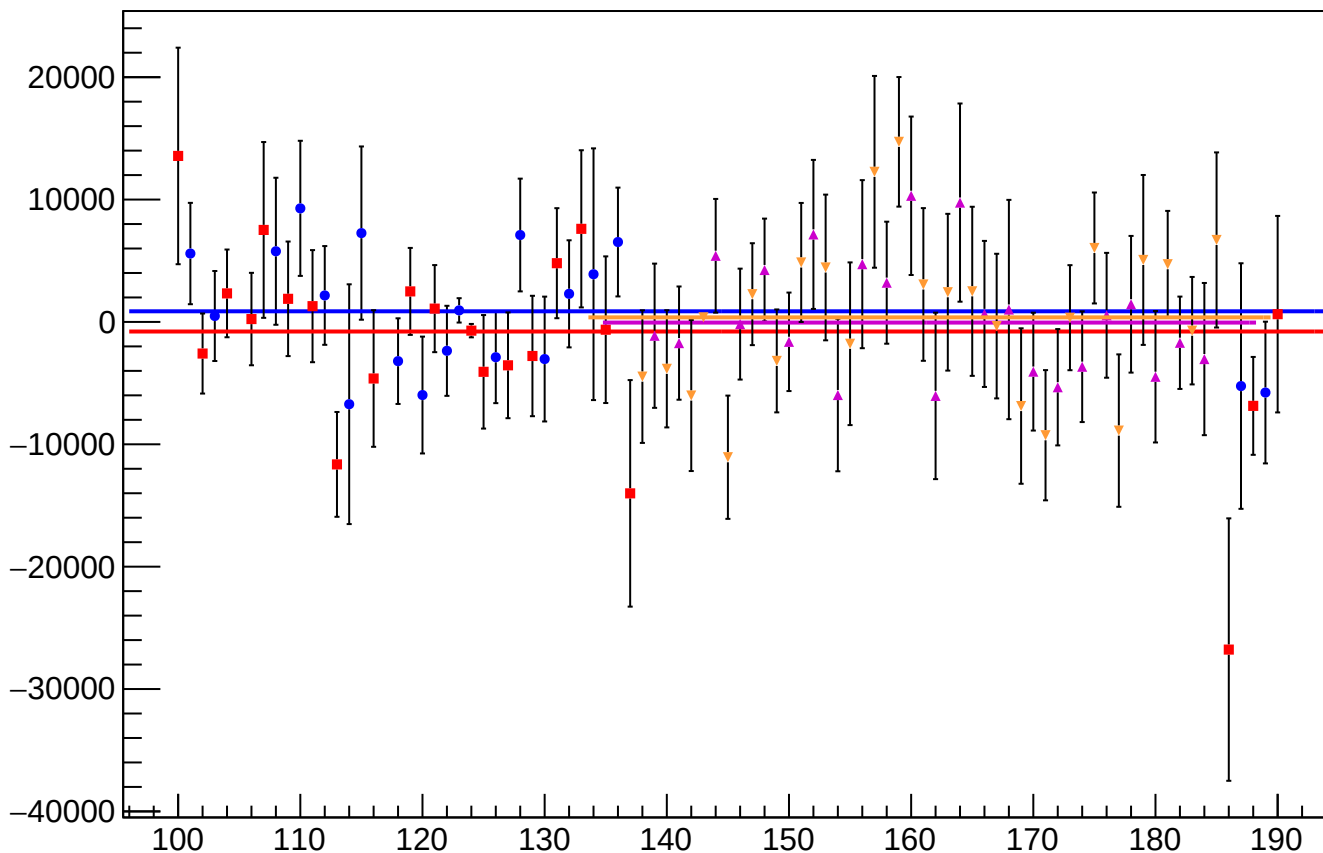
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1863.886 $\pm$ 0.264 χ^2 /NDF: 1225409.7/43

All: 1857.051 $\pm$ 0.185 χ^2 /NDF: 1706166.1/80

- sign 1850.500 $\pm$ 0.258 χ^2 /NDF: 479442.4/44

asym_atr1l2_dd_correction_mean vs Slug



Right In: 869.084 ± 744.968 χ^2/NDF : 16.9/18

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -782.910 ± 483.305 χ^2/NDF : 28.3/21

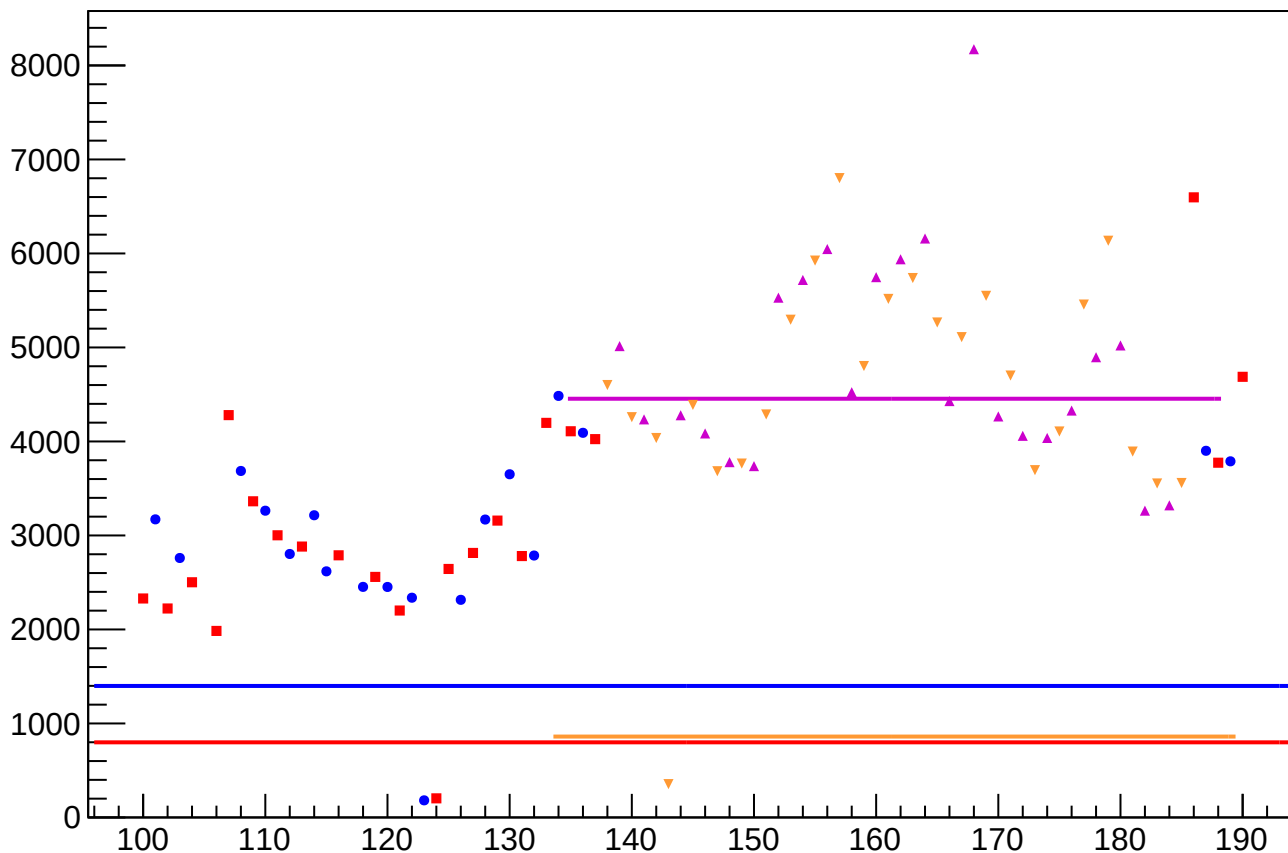
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 476.532 ± 339.967 χ^2/NDF : 48.1/43

All: 52.748 ± 269.433 χ^2/NDF : 95.4/88

- sign -662.981 ± 441.814 χ^2/NDF : 43.2/44

asym_atr1l2_dd_correction_rms vs Slug



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: 799.144 $\pm$ 0.342 χ^2/NDF : 11682114.9/21

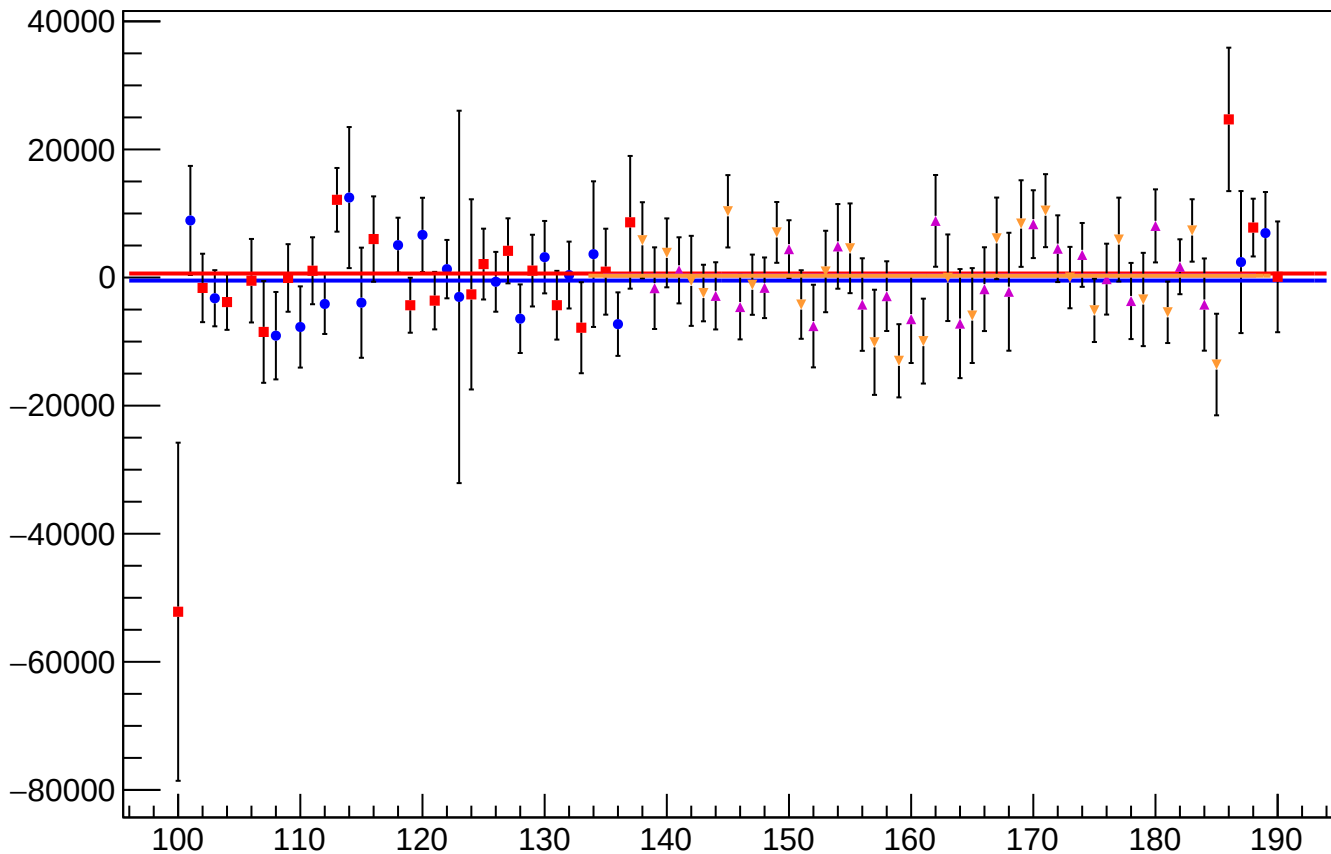
Left In: 4454.402 $\pm$ 0.771 χ^2/NDF : 1349758.1/22

+ sign 972.684 $\pm$ 0.240 χ^2/NDF : 34478237.0/43

All: 1131.532 $\pm$ 0.191 χ^2/NDF : 67483304.4/8

- sign 1399.810 $\pm$ 0.312 χ^2/NDF : 31831000.0/44

asym_atr1l2_dd_mean vs Slug



Right In: -474.044 ± 1357.559 χ^2/NDF : 15.1/18

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 627.629 ± 1256.875 χ^2/NDF : 25.5/21

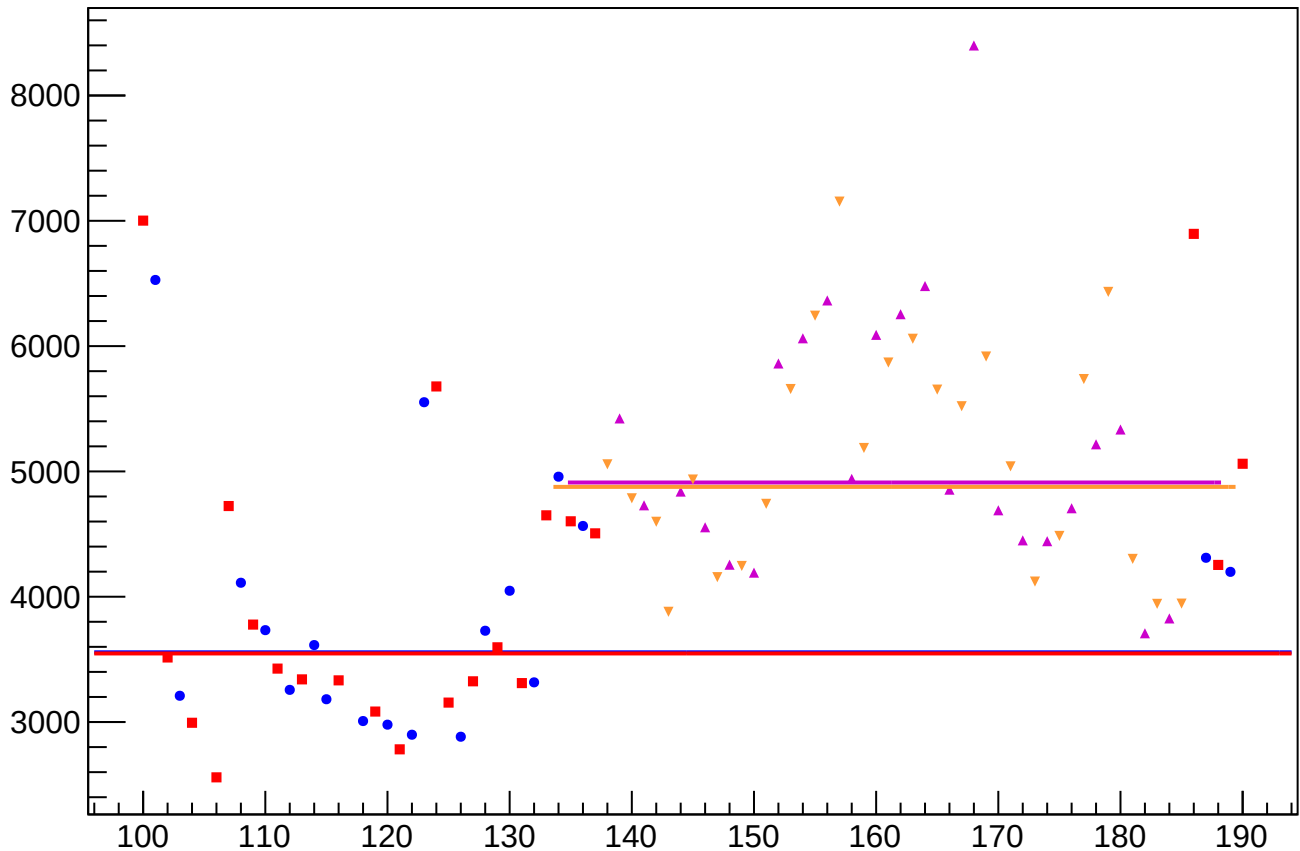
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign -31.824 ± 879.881 χ^2/NDF : 47.7/43

All: 224.345 ± 617.358 χ^2/NDF : 88.0/88

- sign 472.739 ± 866.426 χ^2/NDF : 40.2/44

asym_atr1l2_dd_rms vs Slug



Right In: 3556.356 $\pm$ 0.960 χ^2 /NDF: 591967.9/18

Left Out: 4876.564 $\pm$ 0.817 χ^2 /NDF: 972528.1/24

Right Out: 3547.247 $\pm$ 0.878 χ^2 /NDF: 740812.9/21

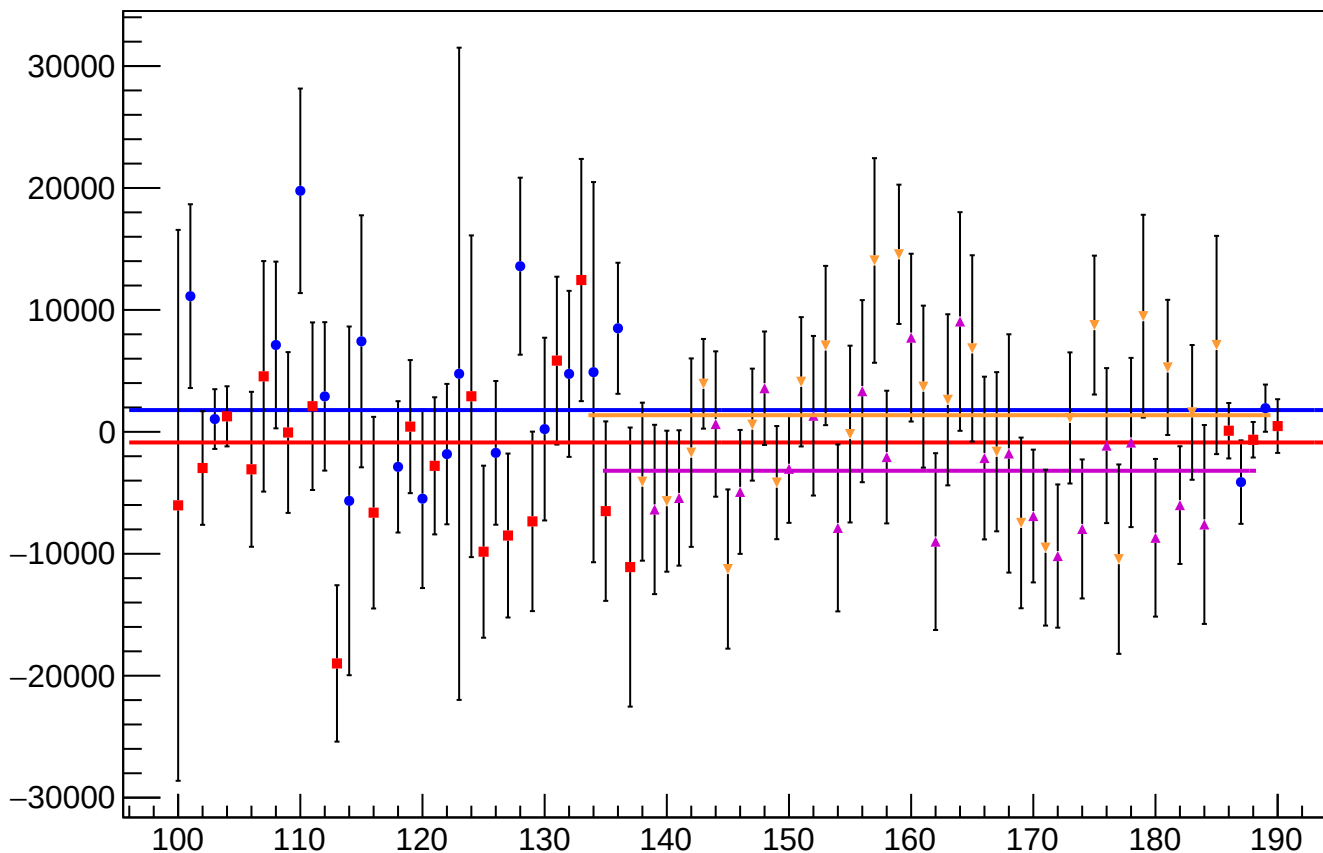
Left In: 4911.546 $\pm$ 0.846 χ^2 /NDF: 1043164.6/22

+ sign 4321.970 $\pm$ 0.622 χ^2 /NDF: 2661399.7/43

All: 4287.932 $\pm$ 0.435 χ^2 /NDF: 5703056.0/88

- sign 4255.293 $\pm$ 0.609 χ^2 /NDF: 3035793.4/44

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1785.681 $\pm$ 1101.625 χ^2 /NDF: 17.4/18

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -870.691 $\pm$ 847.362 χ^2 /NDF: 18.8/21

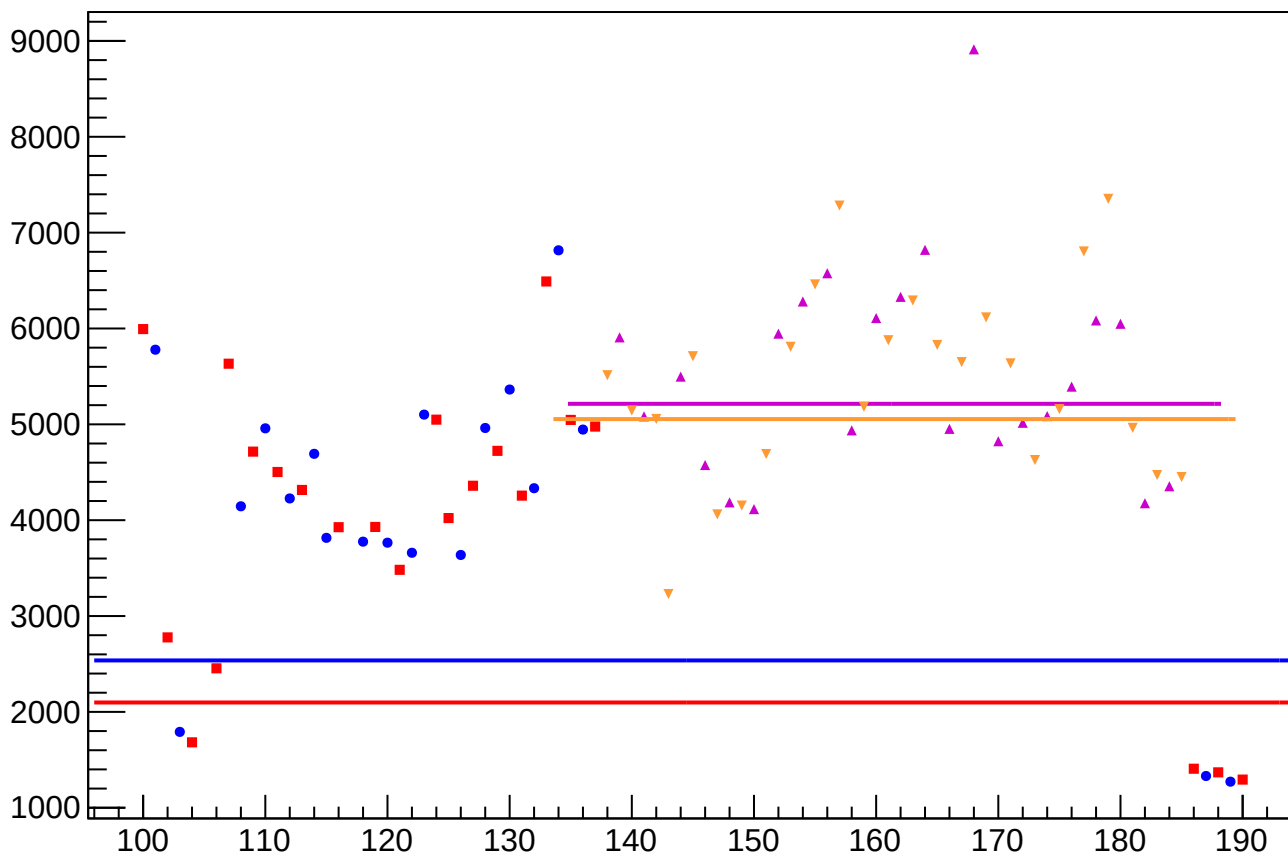
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 1594.413 $\pm$ 813.450 χ^2 /NDF: 45.4/43

All: -221.772 $\pm$ 532.703 χ^2 /NDF: 89.3/88

- sign -1585.477 $\pm$ 704.873 χ^2 /NDF: 35.1/44

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 2536.899+/-0.779 χ^2/NDF : 3690749.4/18

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 2098.178+/-0.597 χ^2/NDF : 4417438.5/21

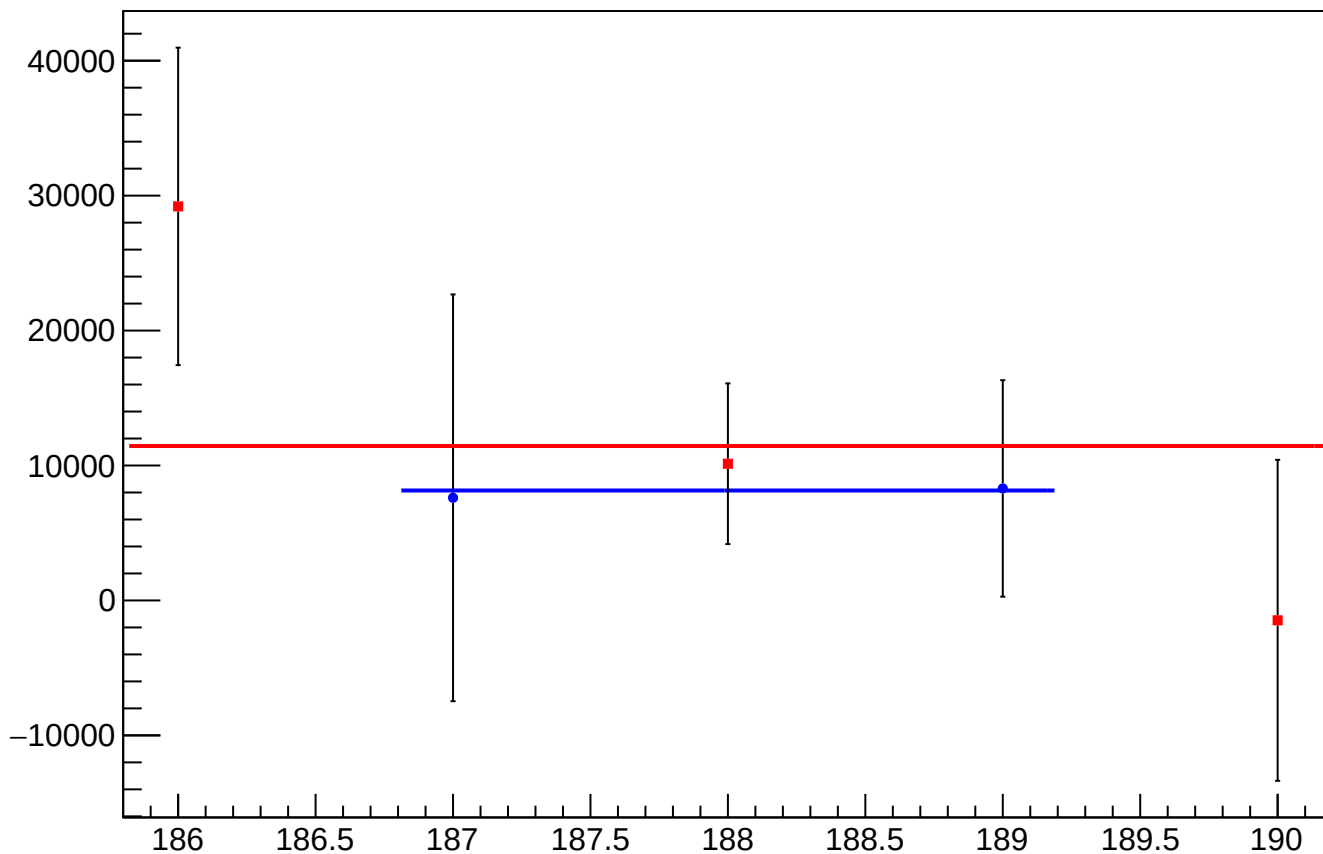
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 3681.861+/-0.575 χ^2/NDF : 9879019.2/43

All: 3322.174+/-0.376 χ^2/NDF : 24380512.5/8

- sign 3053.391+/-0.497 χ^2/NDF : 13818235.4/44

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 8148.175+/-7081.731 χ^2/NDF : 0.0/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 11443.946+/-4850.615 χ^2/NDF : 3.5/2

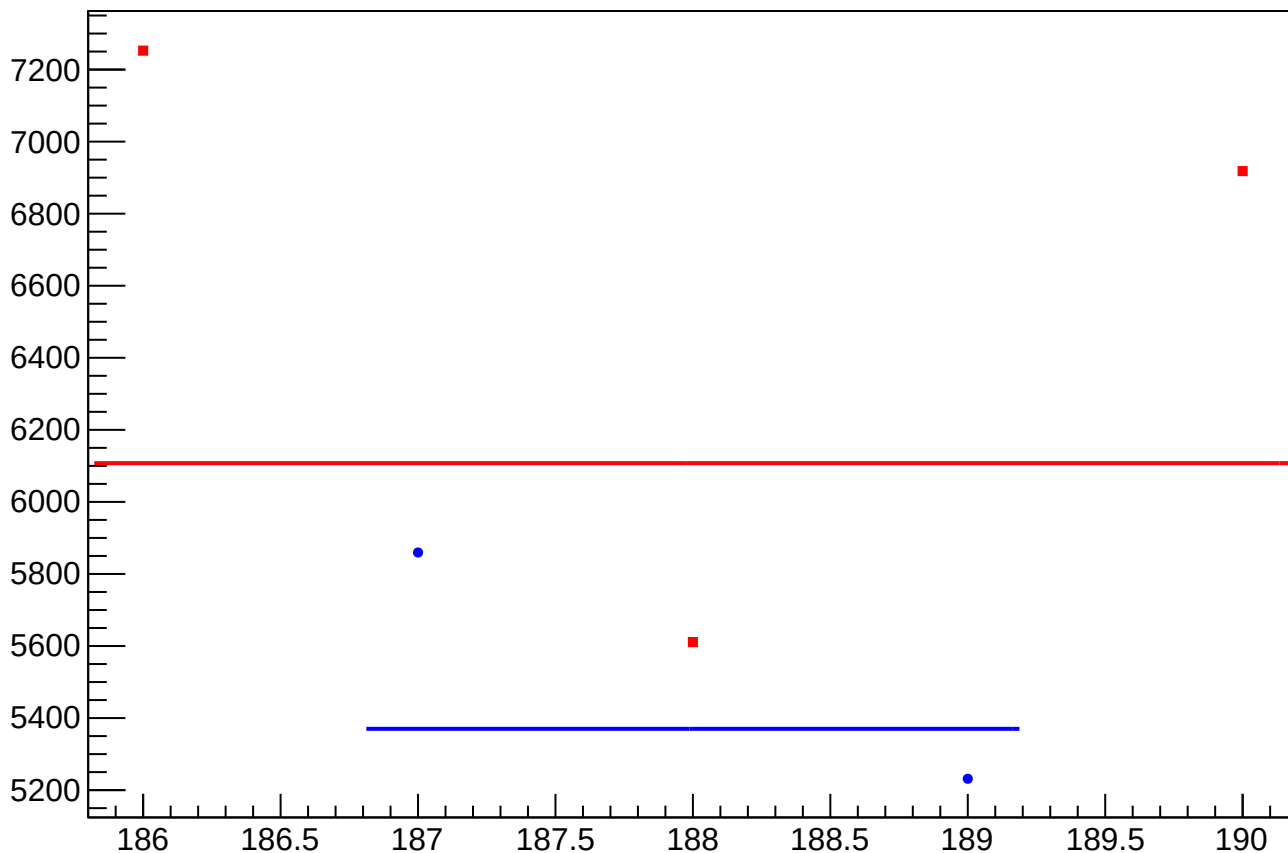
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 10391.488+/-4001.873 χ^2/NDF : 3.7/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5370.188 $\pm$ 5.008 χ^2 /NDF: 2704.9/1

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 6107.559 $\pm$ 3.430 χ^2 /NDF: 42150.2/2

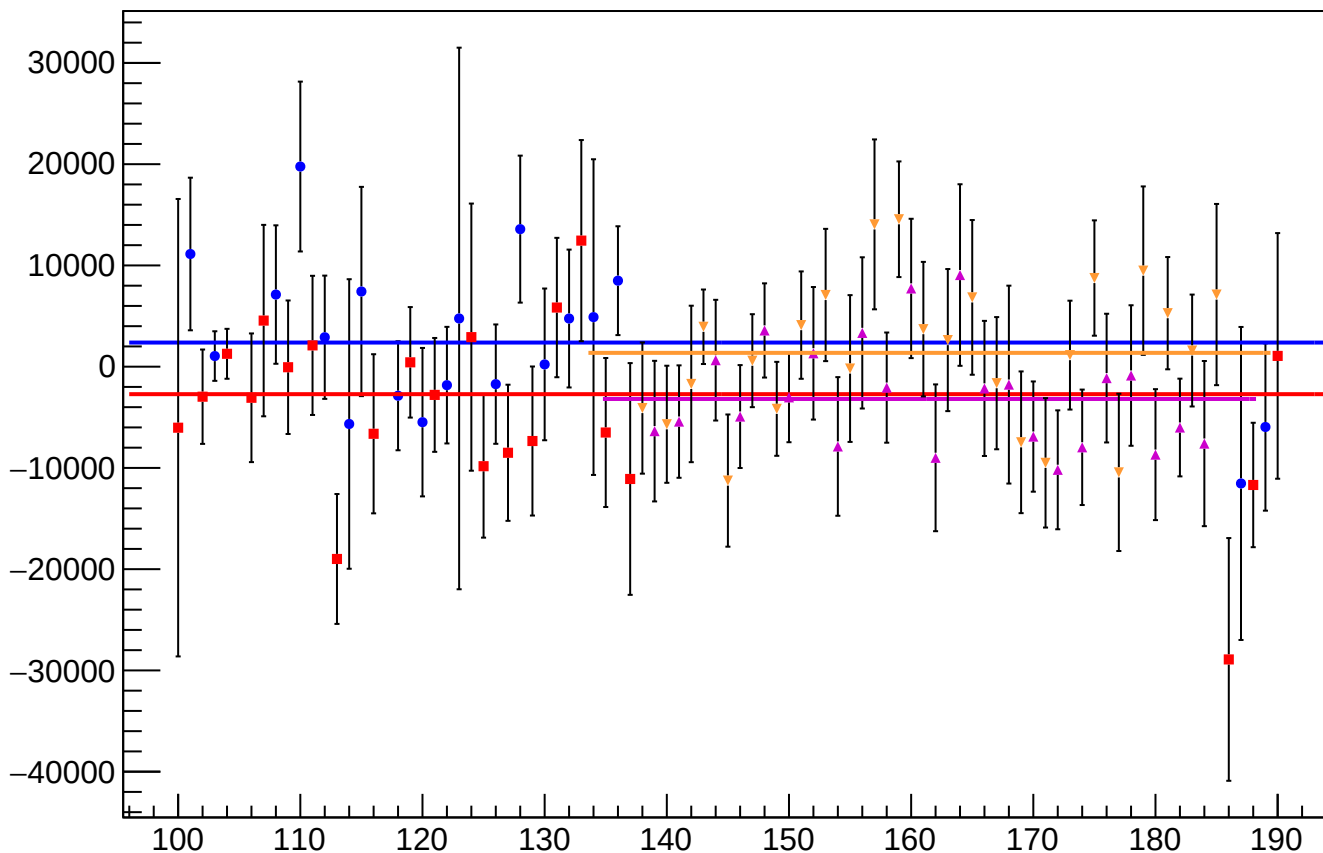
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 5872.090 $\pm$ 2.830 χ^2 /NDF: 59614.1/4

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2382.584 $\pm$ 1427.736 χ^2 /NDF: 15.8/18

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -2714.889 $\pm$ 1333.495 χ^2 /NDF: 24.9/21

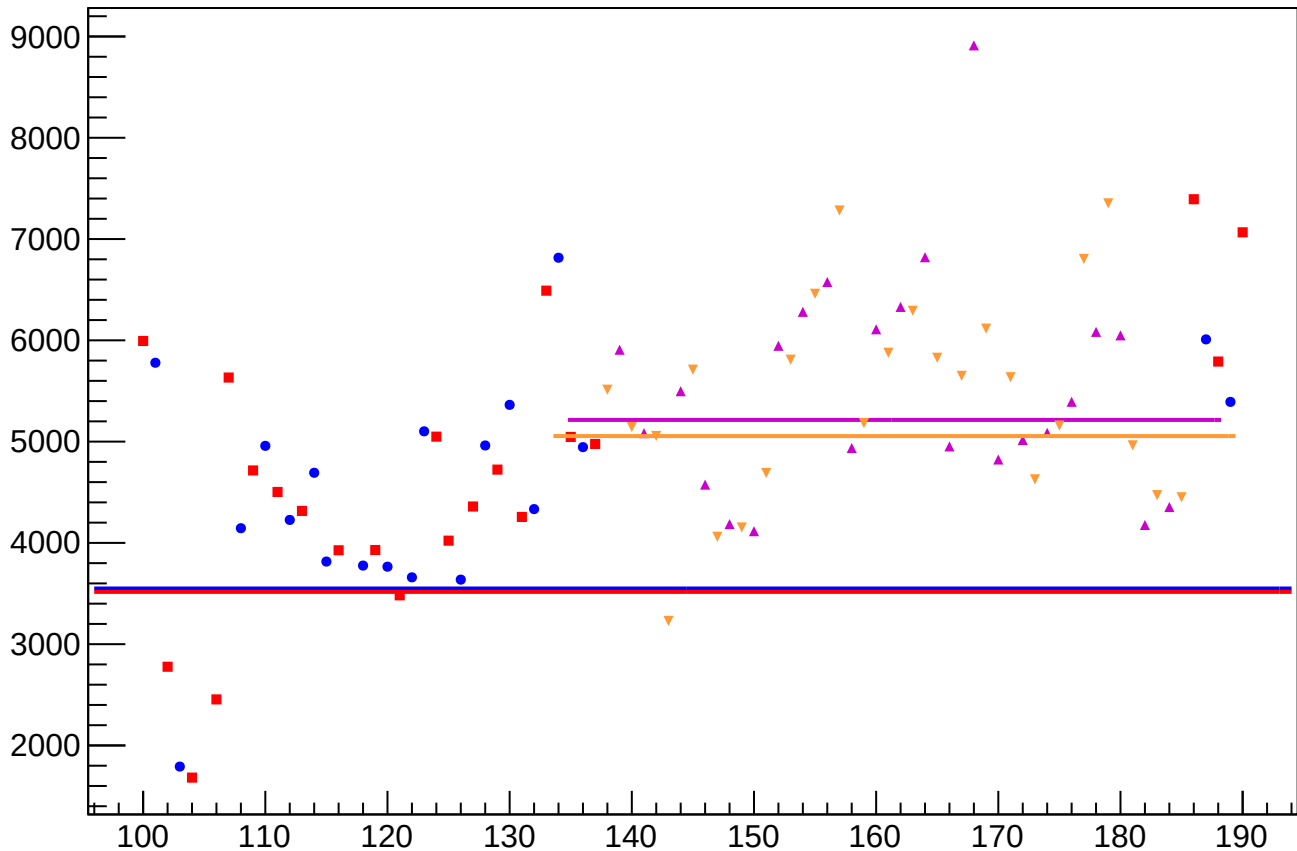
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 1788.881 $\pm$ 921.426 χ^2 /NDF: 44.1/43

All: -592.429 $\pm$ 650.922 χ^2 /NDF: 96.4/88

- sign -2964.629 $\pm$ 919.662 χ^2 /NDF: 39.0/44

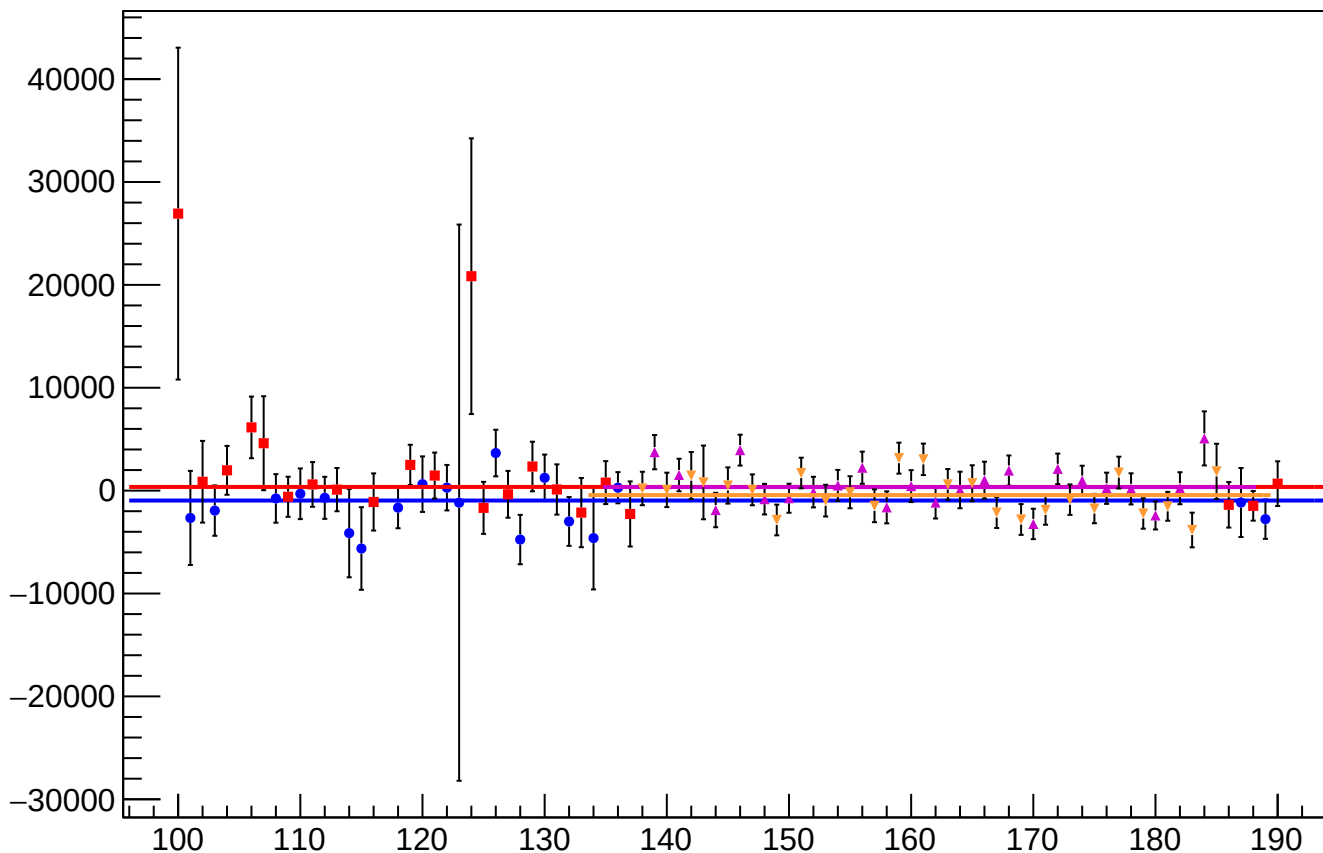
asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3549.664 $\pm$ 1.010 χ^2 /NDF: 1921857.4/18
 Left Out: 5054.711 $\pm$ 0.853 χ^2 /NDF:1437224.7/24
 Right Out: 3516.190 $\pm$ 0.935 χ^2 /NDF: 2612797.0/21
 Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF:1052501.5/22

+ sign 4427.827 $\pm$ 0.652 χ^2 /NDF: 4655904.5/43
 All: 4413.466 $\pm$ 0.459 χ^2 /NDF: 10037713.1/8
 - sign 4399.277 $\pm$ 0.648 χ^2 /NDF: 5380842.7/44

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -962.572 $\pm$ 568.982 χ^2 /NDF: 13.5/18

Left Out: -431.715 $\pm$ 320.540 χ^2 /NDF:33.1/24

Right Out: 358.479 $\pm$ 519.255 χ^2 /NDF: 17.1/21

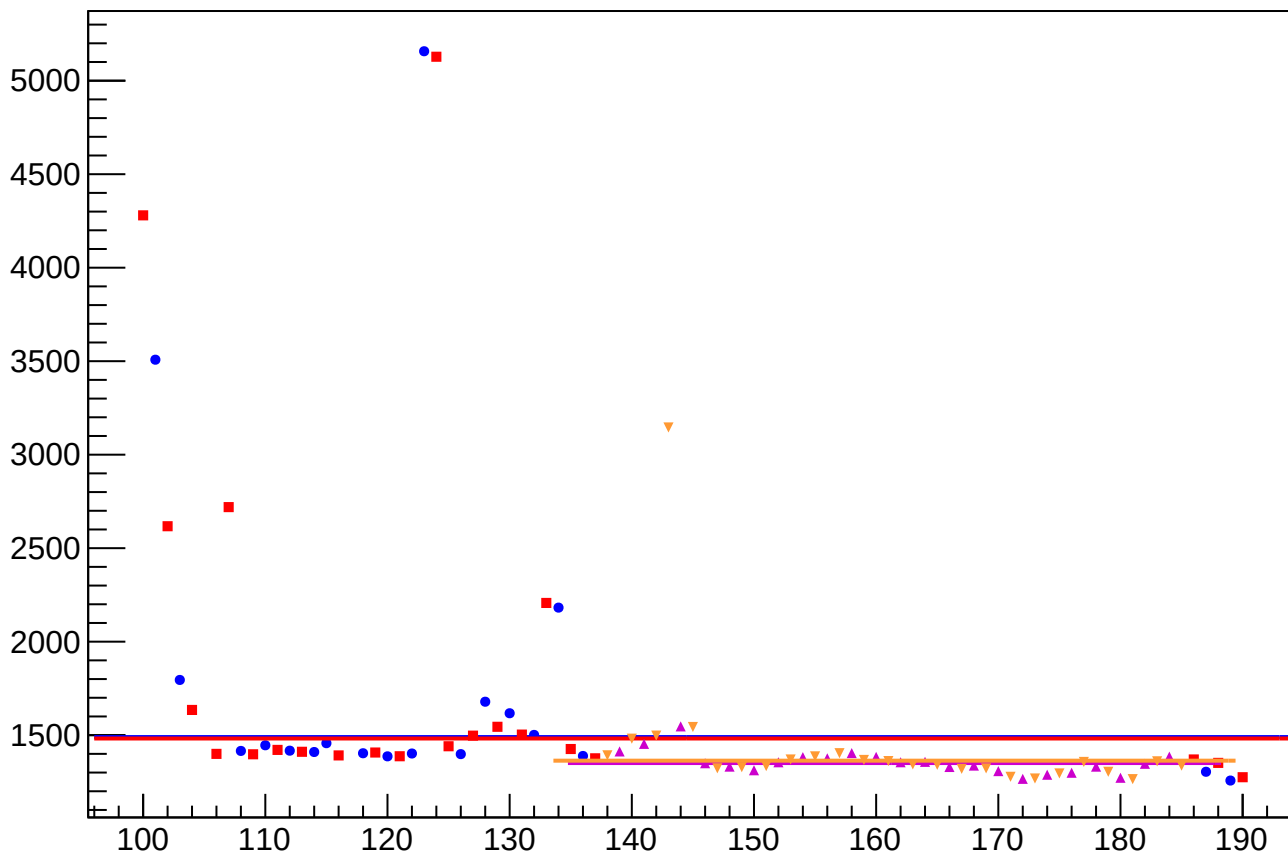
Left In: 343.737 $\pm$ 324.368 χ^2 /NDF:33.8/22

+ sign -559.605 $\pm$ 279.272 χ^2 /NDF: 47.3/43

All: -99.041 $\pm$ 195.985 χ^2 /NDF: 103.5/88

- sign 347.875 $\pm$ 275.103 χ^2 /NDF: 50.9/44

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1489.814+/-0.402 χ^2/NDF : 578059.2/18

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1482.177+/-0.367 χ^2/NDF : 682986.8/21

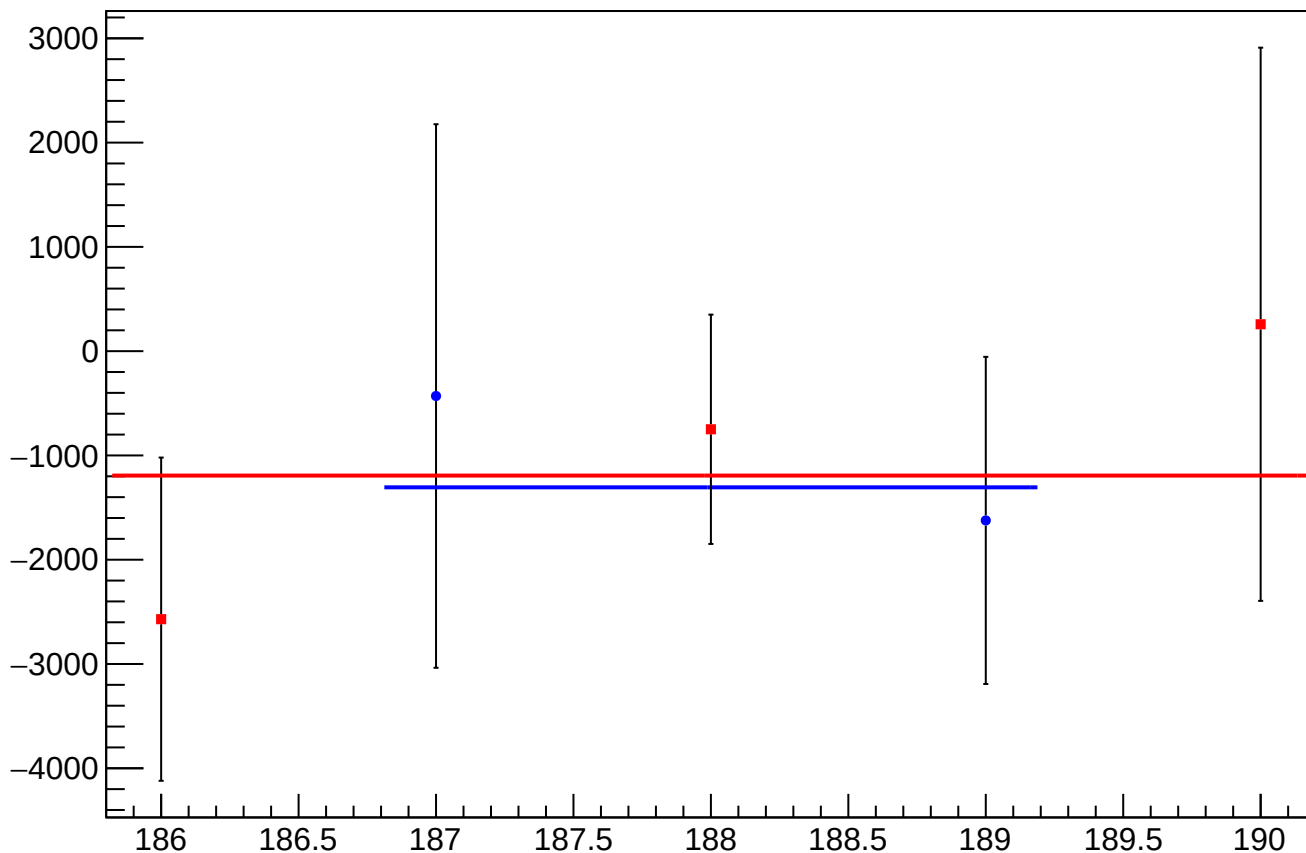
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1393.977+/-0.197 χ^2/NDF : 1228035.2/43

All: 1390.819+/-0.139 χ^2/NDF : 2070609.9/86

- sign 1387.755+/-0.195 χ^2/NDF : 842070.8/44

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -1305.933 $\pm$ 1343.931 χ^2 /NDF: 0.2/1

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: -1193.097 $\pm$ 849.578 χ^2 /NDF: 1.3/2

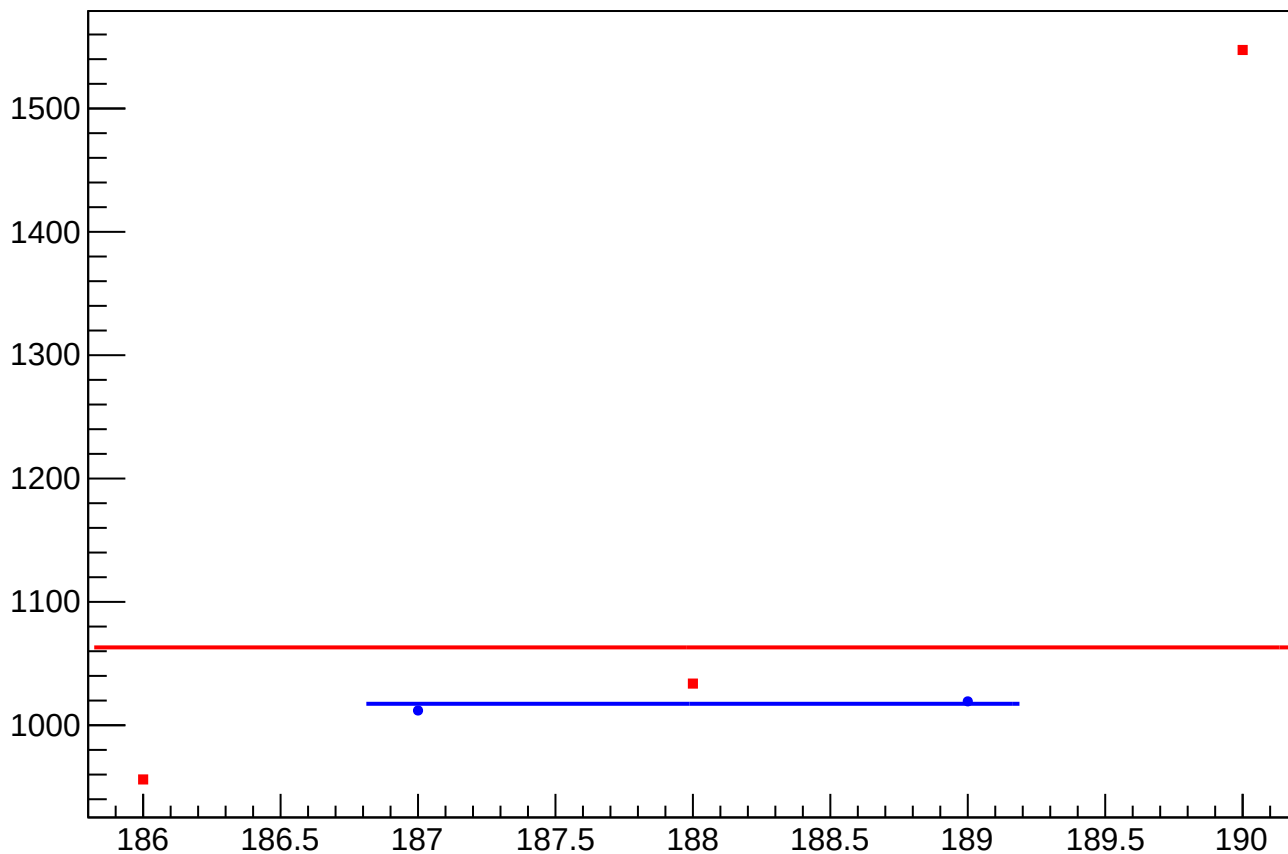
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -1225.314 $\pm$ 718.121 χ^2 /NDF: 1.4/4

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1017.385 $\pm$ 0.950 χ^2 /NDF: 11.9/1

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1063.107 $\pm$ 0.601 χ^2 /NDF: 77647.9/2

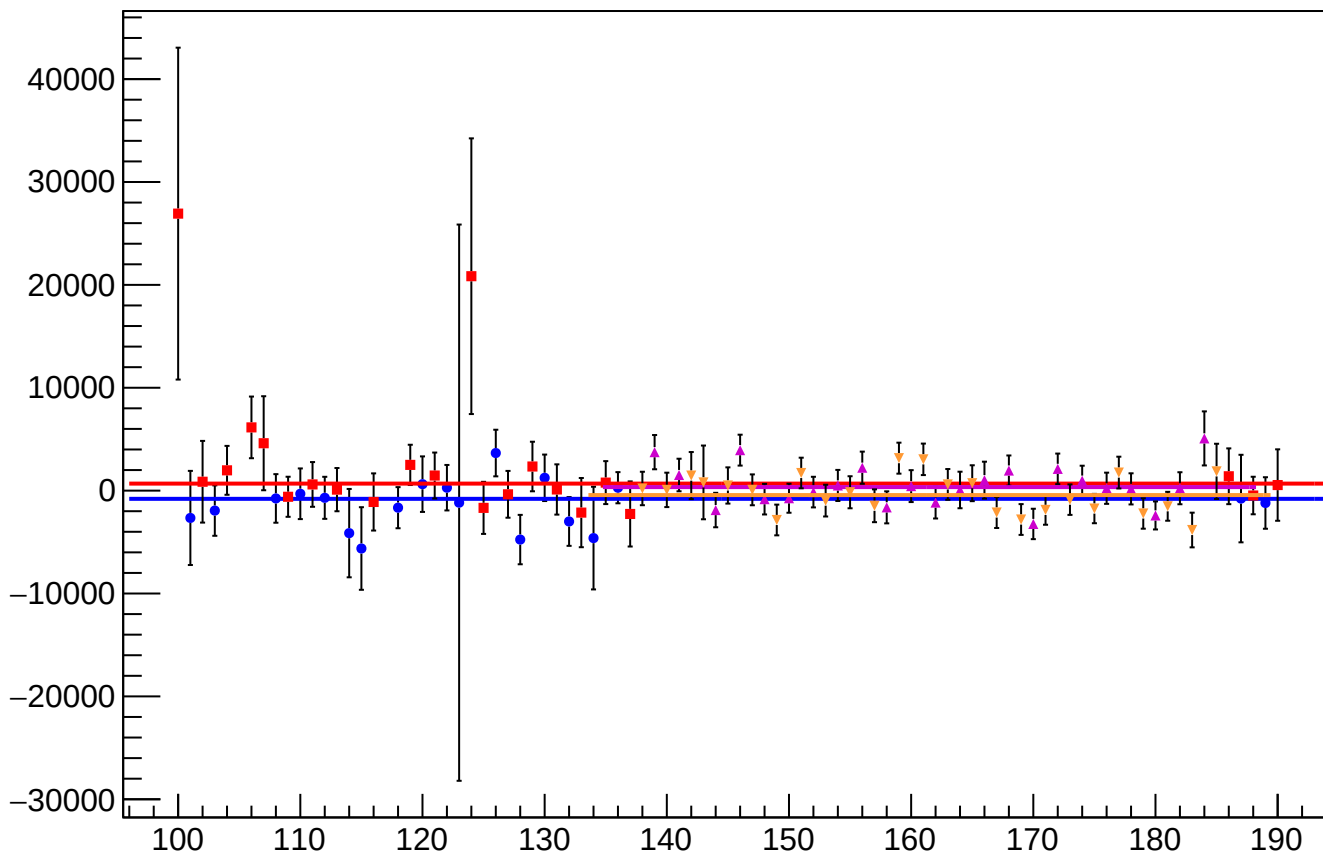
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1050.052 $\pm$ 0.508 χ^2 /NDF: 79313.8/4

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.764+/-583.069 χ^2/NDF : 12.6/18

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 683.216+/-548.138 χ^2/NDF : 14.8/21

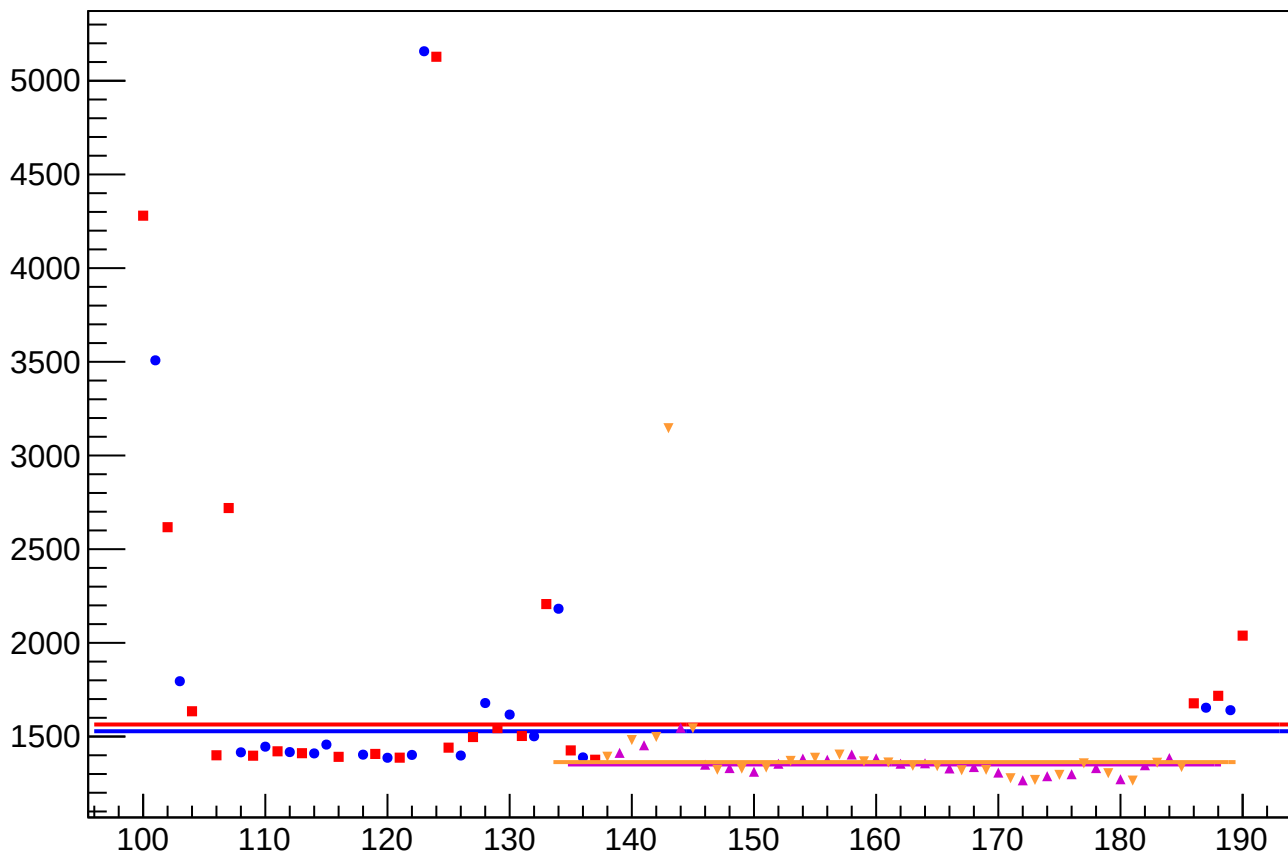
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -516.668+/-280.892 χ^2/NDF : 45.9/43

All: -39.496+/-198.003 χ^2/NDF : 100.6/88

- sign 431.784+/-279.153 χ^2/NDF : 48.9/44

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1528.291+/-0.412 χ^2/NDF : 543906.7/18

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1564.287+/-0.388 χ^2/NDF : 693257.2/21

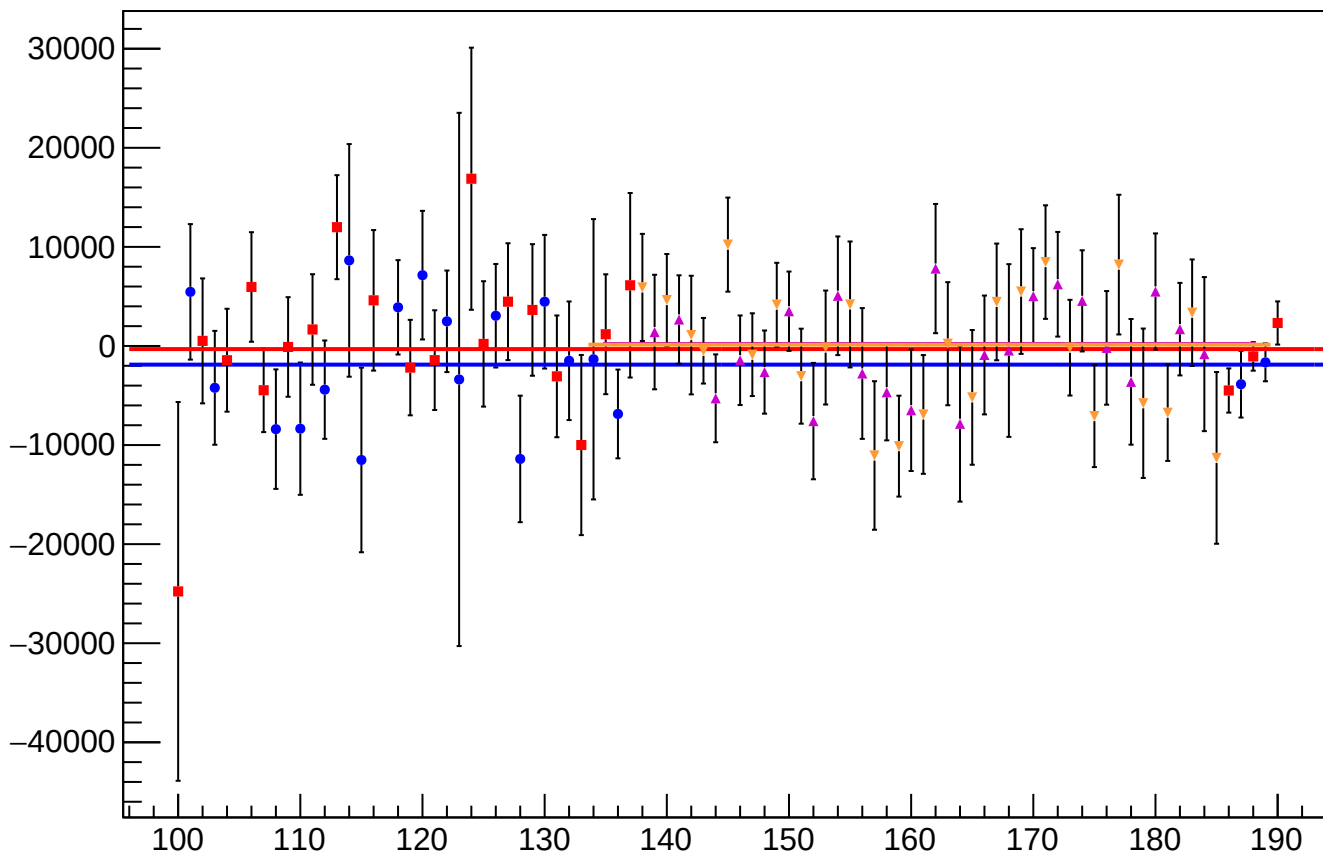
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1401.792+/-0.199 χ^2/NDF : 1241721.8/43

All: 1404.035+/-0.140 χ^2/NDF : 2226847.2/80

- sign 1406.251+/-0.197 χ^2/NDF : 984871.8/44

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1883.090 $\pm$ 1120.731 χ^2 /NDF: 15.3/18

Left Out: 132.142 $\pm$ 1065.543 χ^2 /NDF: 28.1/24

Right Out: -315.047 $\pm$ 839.905 χ^2 /NDF: 20.1/21

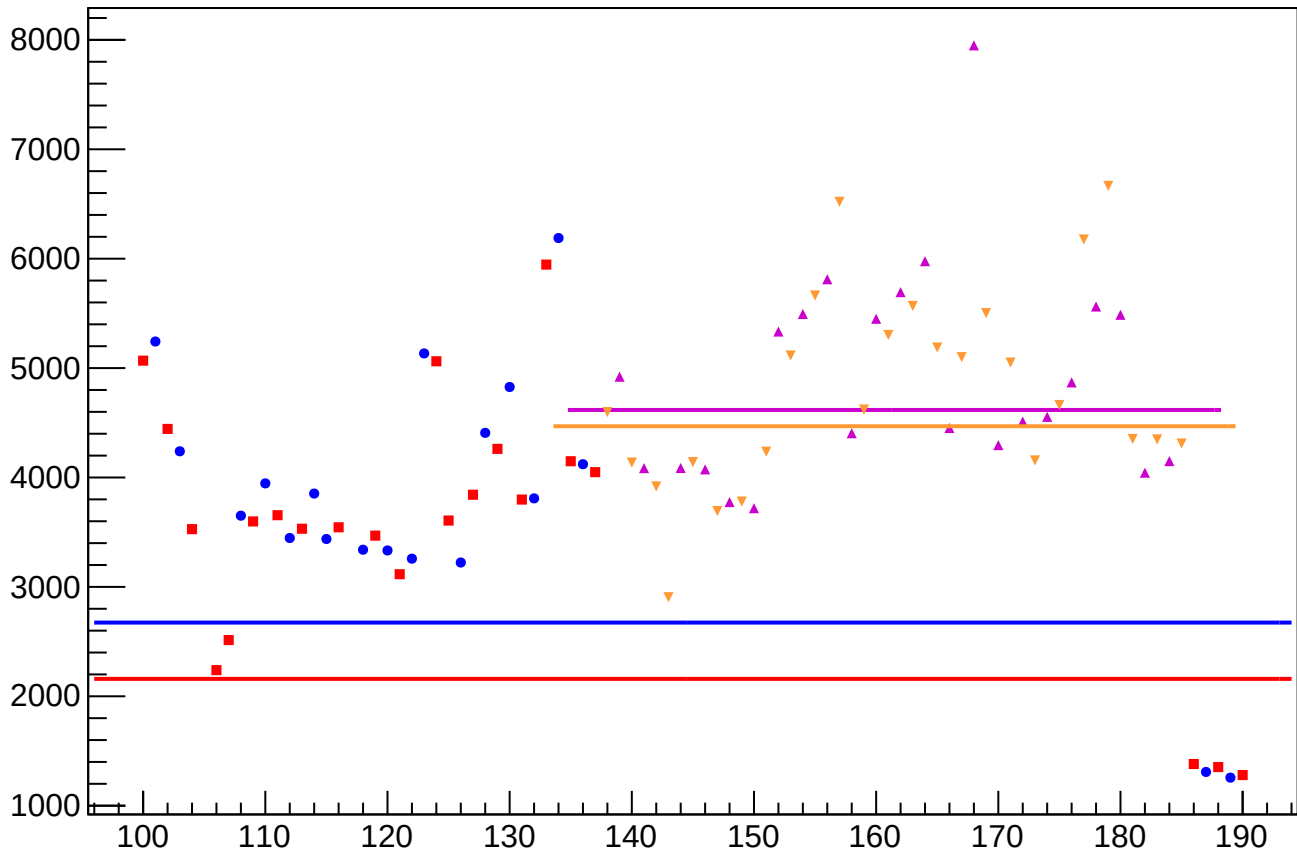
Left In: 200.182 $\pm$ 1123.499 χ^2 /NDF: 14.7/22

+ sign -824.635 $\pm$ 772.226 χ^2 /NDF: 45.1/43

All: -429.888 $\pm$ 507.235 χ^2 /NDF: 80.5/88

- sign -130.331 $\pm$ 672.705 χ^2 /NDF: 35.0/44

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 2673.895 $\pm$ 0.792 χ^2 /NDF: 2947428.3/18

Left Out: 4468.520 $\pm$ 0.753 χ^2 /NDF:1380601.0/24

Right Out: 2159.244 $\pm$ 0.592 χ^2 /NDF: 3750941.6/21

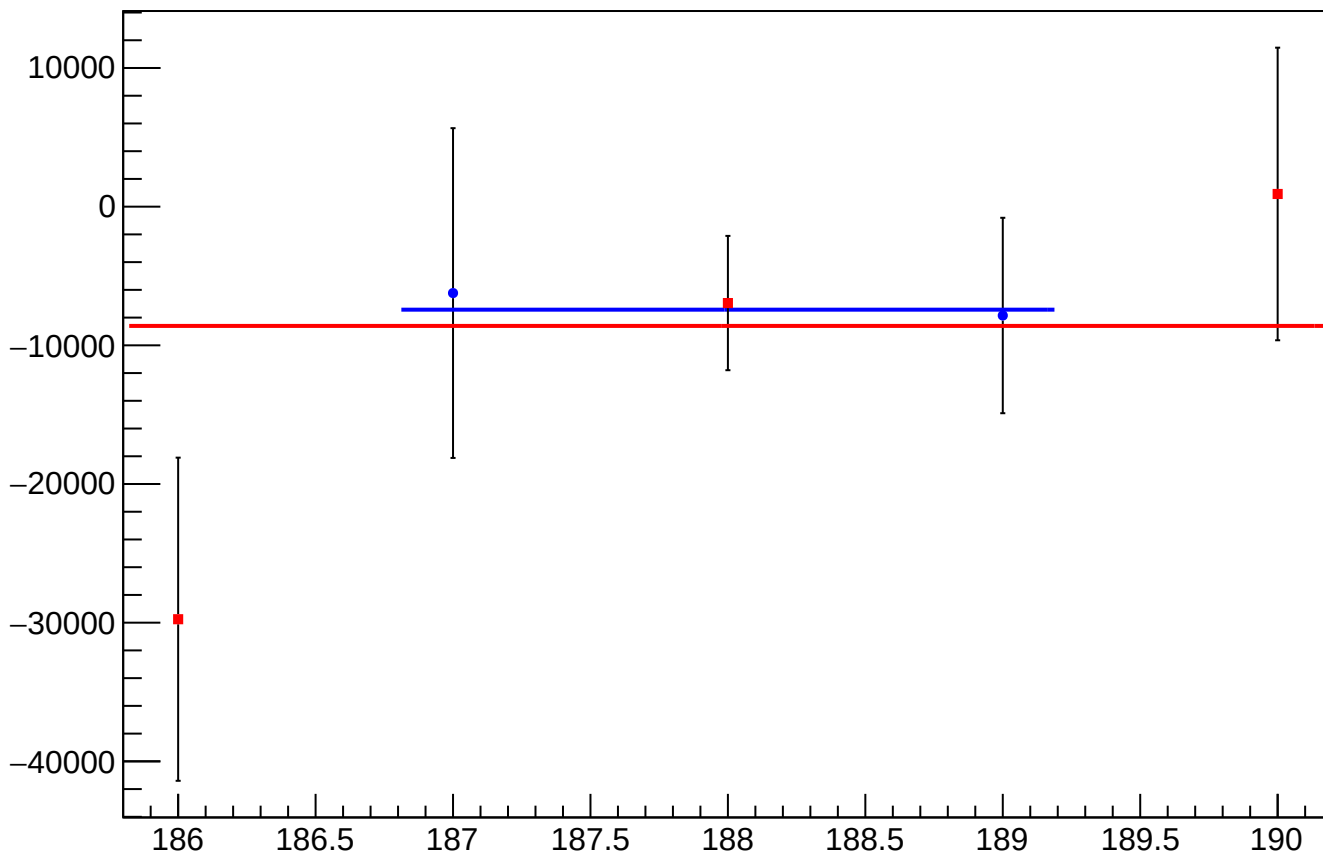
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 3616.468 $\pm$ 0.546 χ^2 /NDF: 7021596.4/43

All: 3286.183 $\pm$ 0.358 χ^2 /NDF: 18570639.1/8

- sign 3036.635 $\pm$ 0.475 χ^2 /NDF: 10906742.5/44

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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: -8599.987+/-4117.357 χ^2 /NDF: 4.2/2

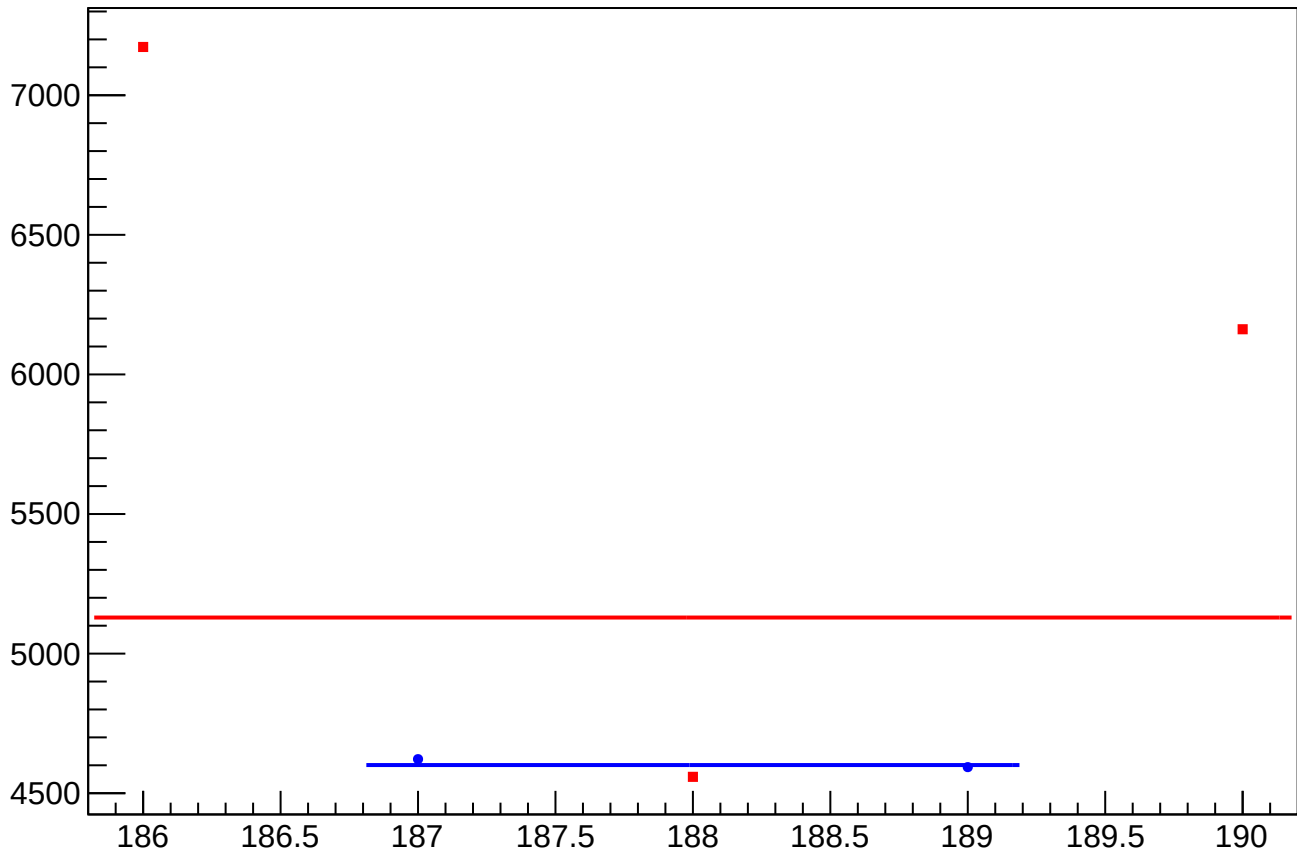
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -8230.108+/-3405.986 χ^2 /NDF: 4.3/4

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 4600.878+/-4.286 χ^2/NDF : 8.6/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 5129.238+/-2.911 χ^2/NDF : 108448.7/2

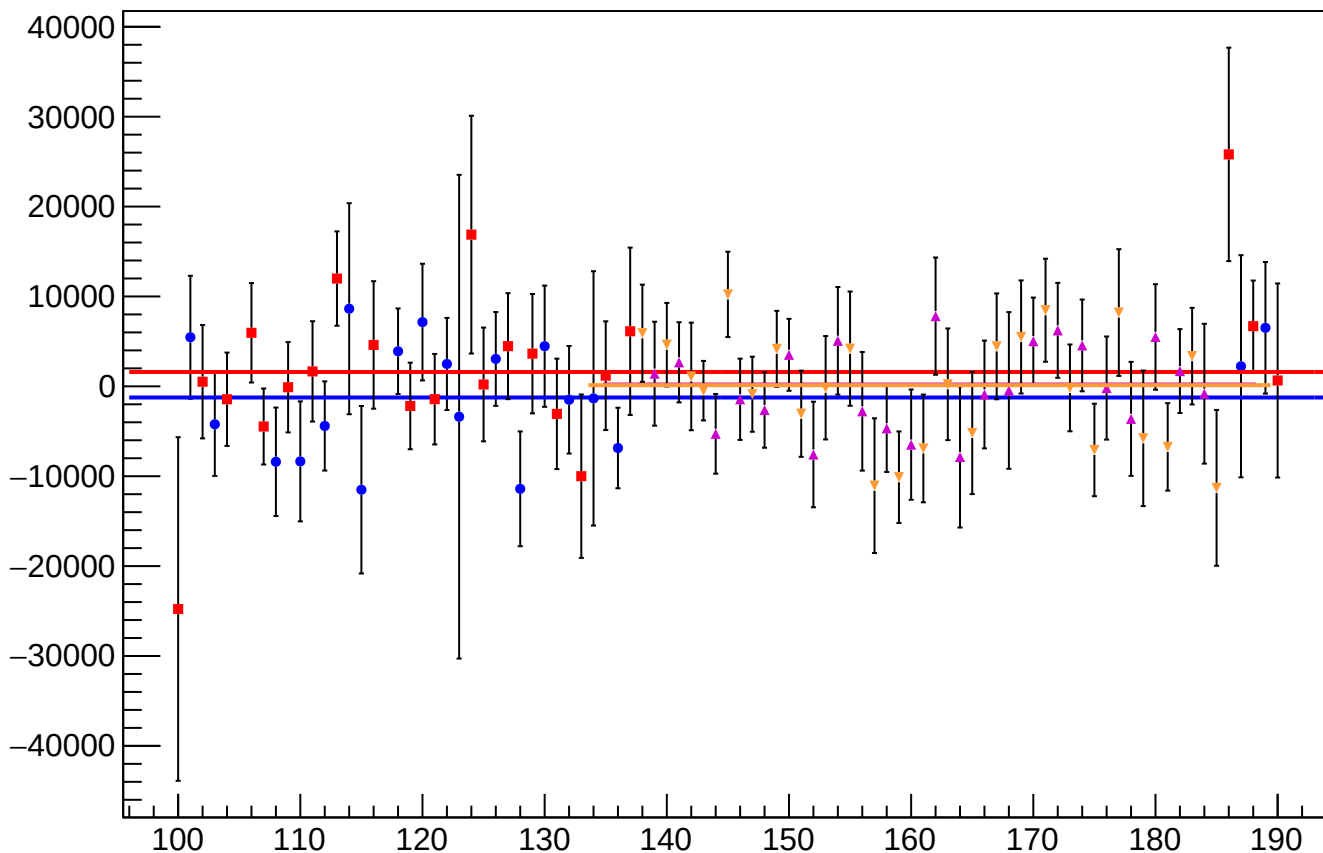
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4962.437+/-2.408 χ^2/NDF : 118854.6/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1240.956 $\pm$ 1475.415 χ^2/NDF : 16.2/18

Left Out: 132.142 $\pm$ 1065.543 χ^2/NDF : 28.1/24

Right Out: 1597.715 $\pm$ 1315.152 χ^2/NDF : 19.5/21

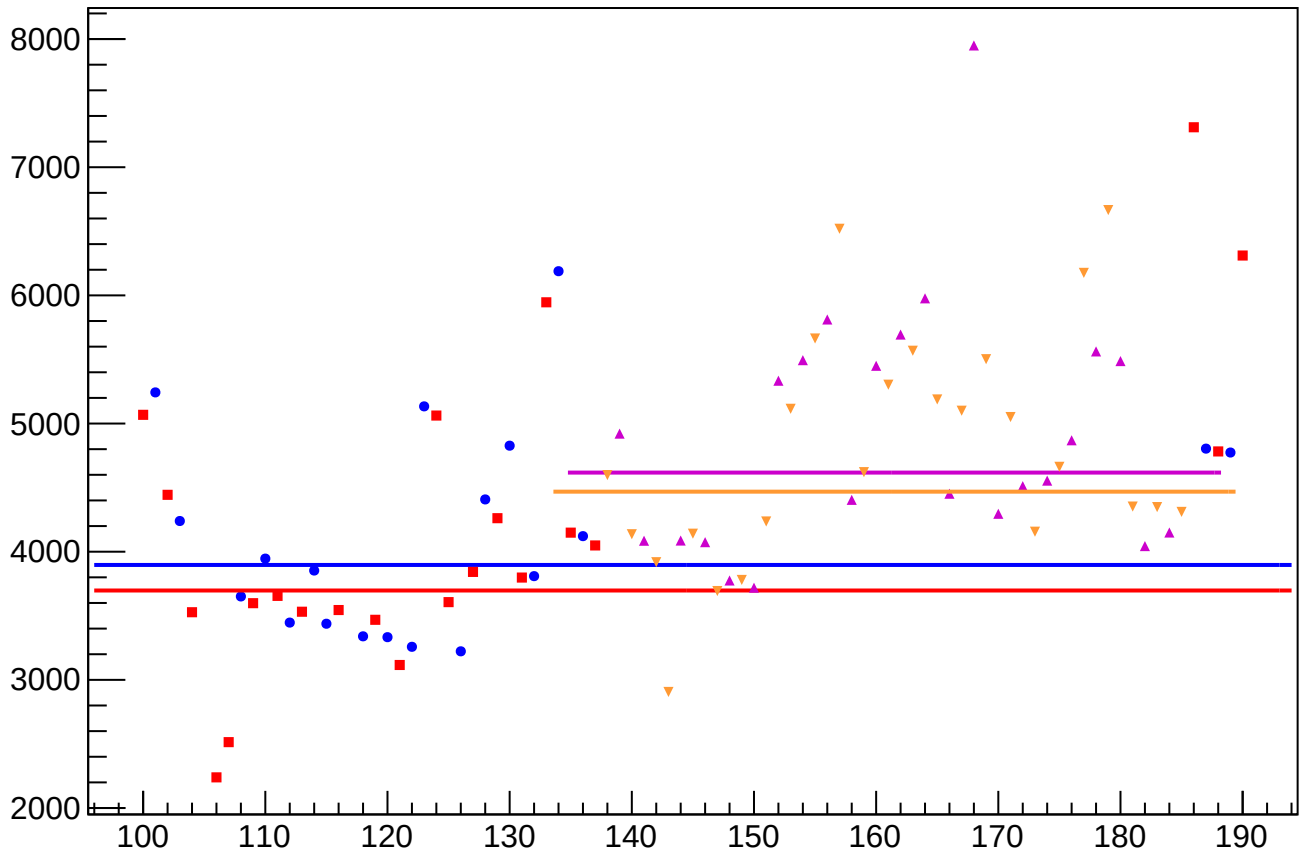
Left In: 200.182 $\pm$ 1123.499 χ^2/NDF : 14.7/22

+ sign -338.534 $\pm$ 863.823 χ^2/NDF : 44.9/43

All: 231.926 $\pm$ 607.397 χ^2/NDF : 80.6/88

- sign 789.791 $\pm$ 854.234 χ^2/NDF : 34.9/44

asym_atl_dd_atr_dd_avg_rms vs Slug



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: 3697.261+/-0.922 χ^2 /NDF: 980721.1/21

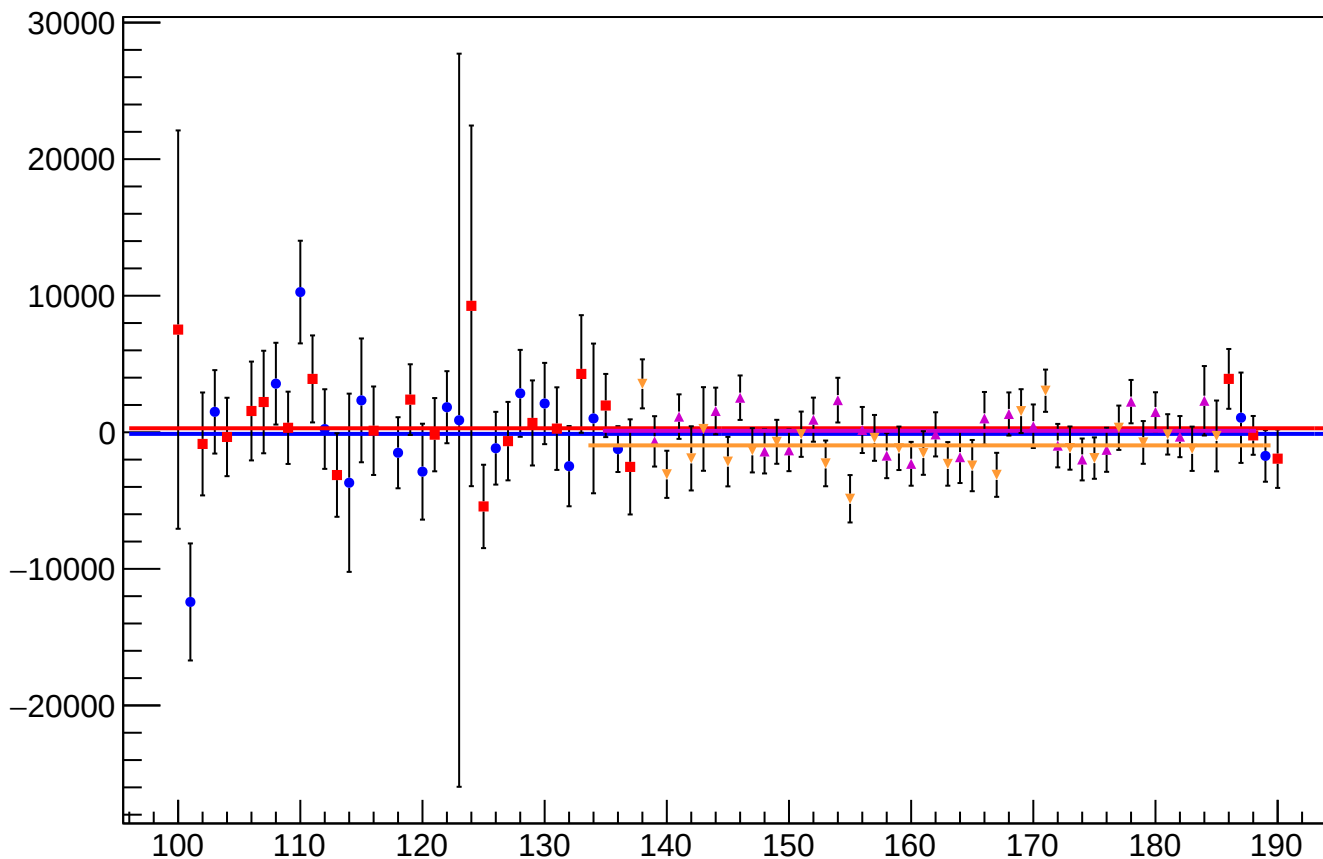
Left In: 4617.293+/-0.794 χ^2 /NDF:999599.8/22

+ sign 4272.474+/-0.611 χ^2 /NDF: 1946881.8/43

All: 4248.593+/-0.429 χ^2 /NDF: 4501500.4/80

- sign 4225.402+/-0.602 χ^2 /NDF: 2551605.6/44

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -116.336 ± 684.297 χ^2/NDF : 23.3/18

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 293.806 ± 601.169 χ^2/NDF : 14.1/21

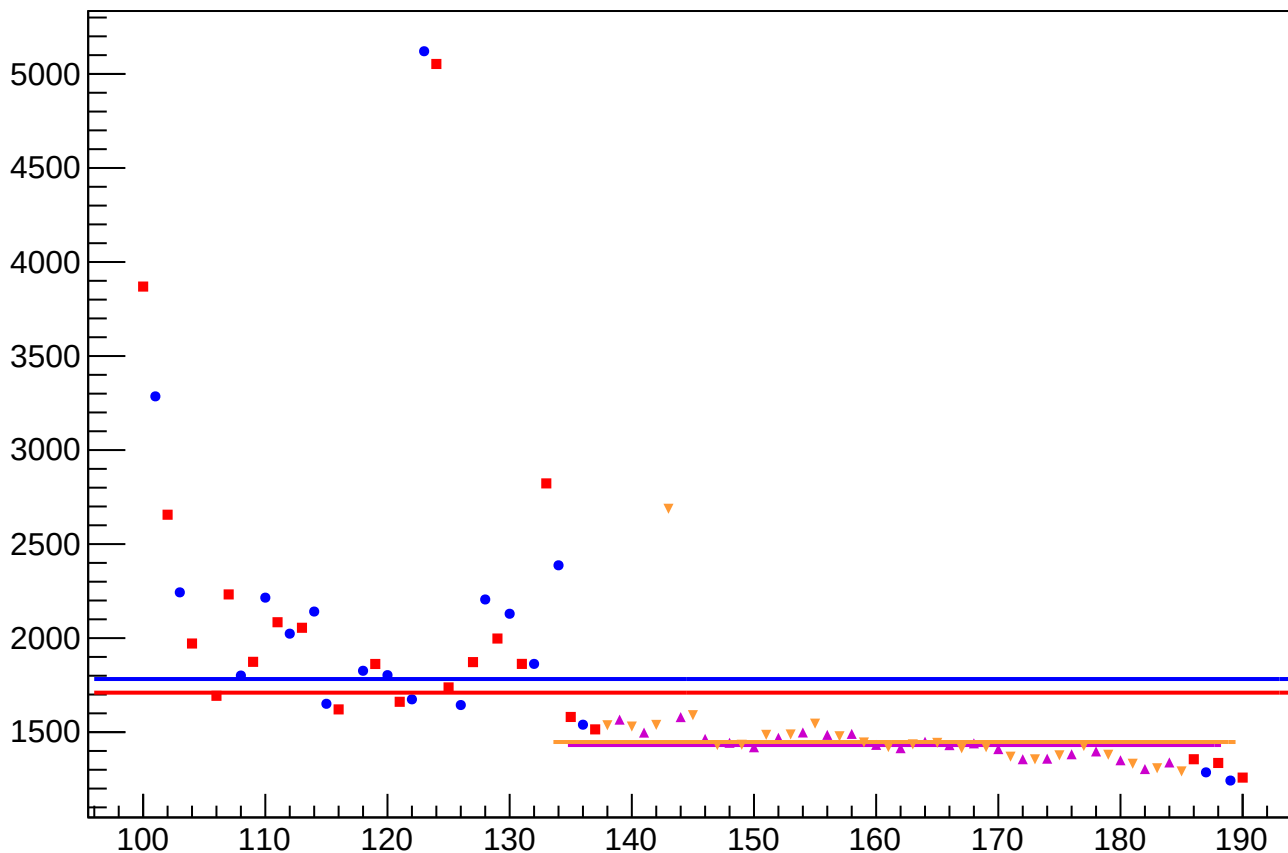
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -792.082 ± 304.125 χ^2/NDF : 53.0/43

All: -310.286 ± 212.979 χ^2/NDF : 91.6/88

- sign 153.397 ± 298.353 χ^2/NDF : 33.6/44

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1782.485+/-0.484 χ^2/NDF : 718264.6/18

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1709.954+/-0.425 χ^2/NDF : 877950.2/21

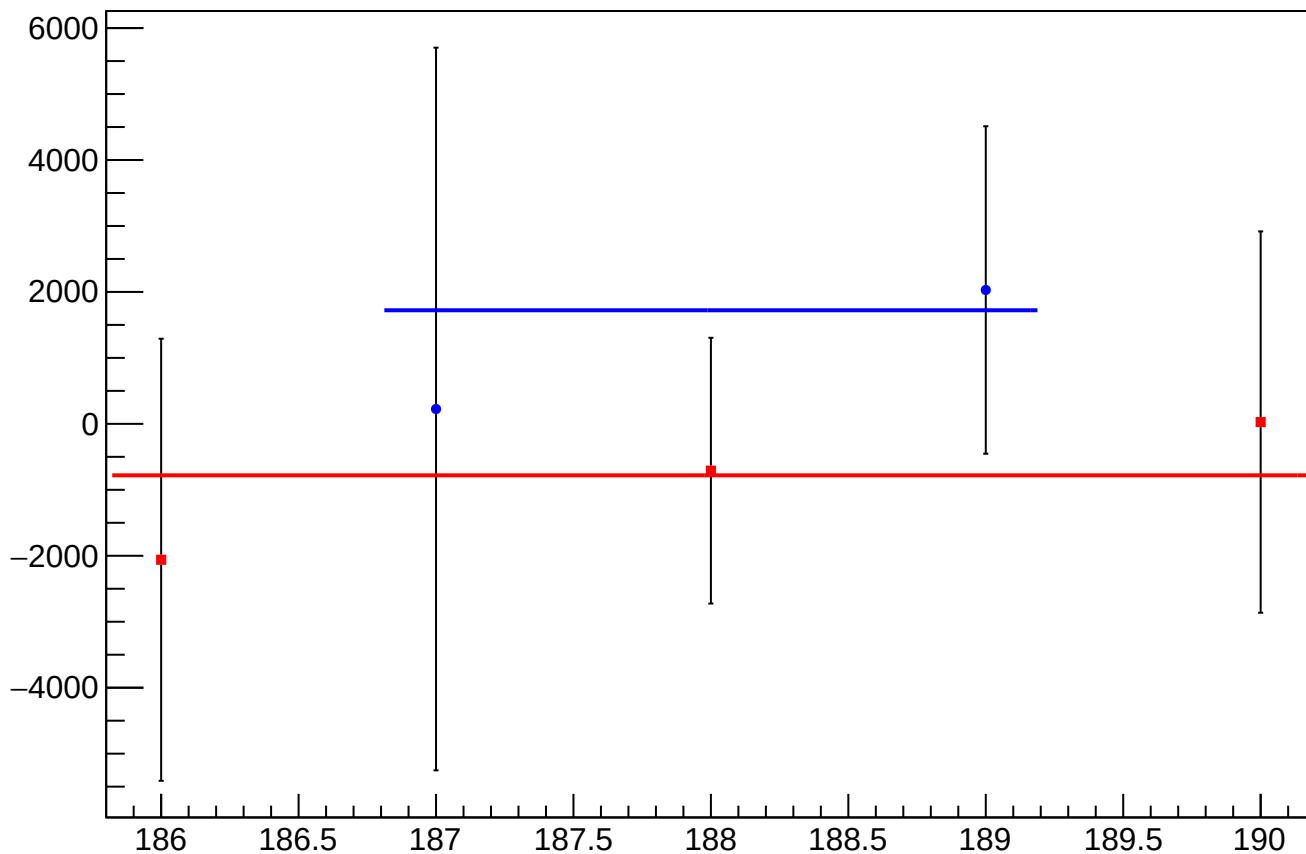
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1513.711+/-0.215 χ^2/NDF : 1522011.1/43

All: 1506.750+/-0.151 χ^2/NDF : 2800657.2/88

- sign 1500.052+/-0.211 χ^2/NDF : 1276590.2/44

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1722.009 $\pm$ 2260.946 χ^2 /NDF: 0.1/1

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: -780.374 $\pm$ 1482.273 χ^2 /NDF: 0.2/2

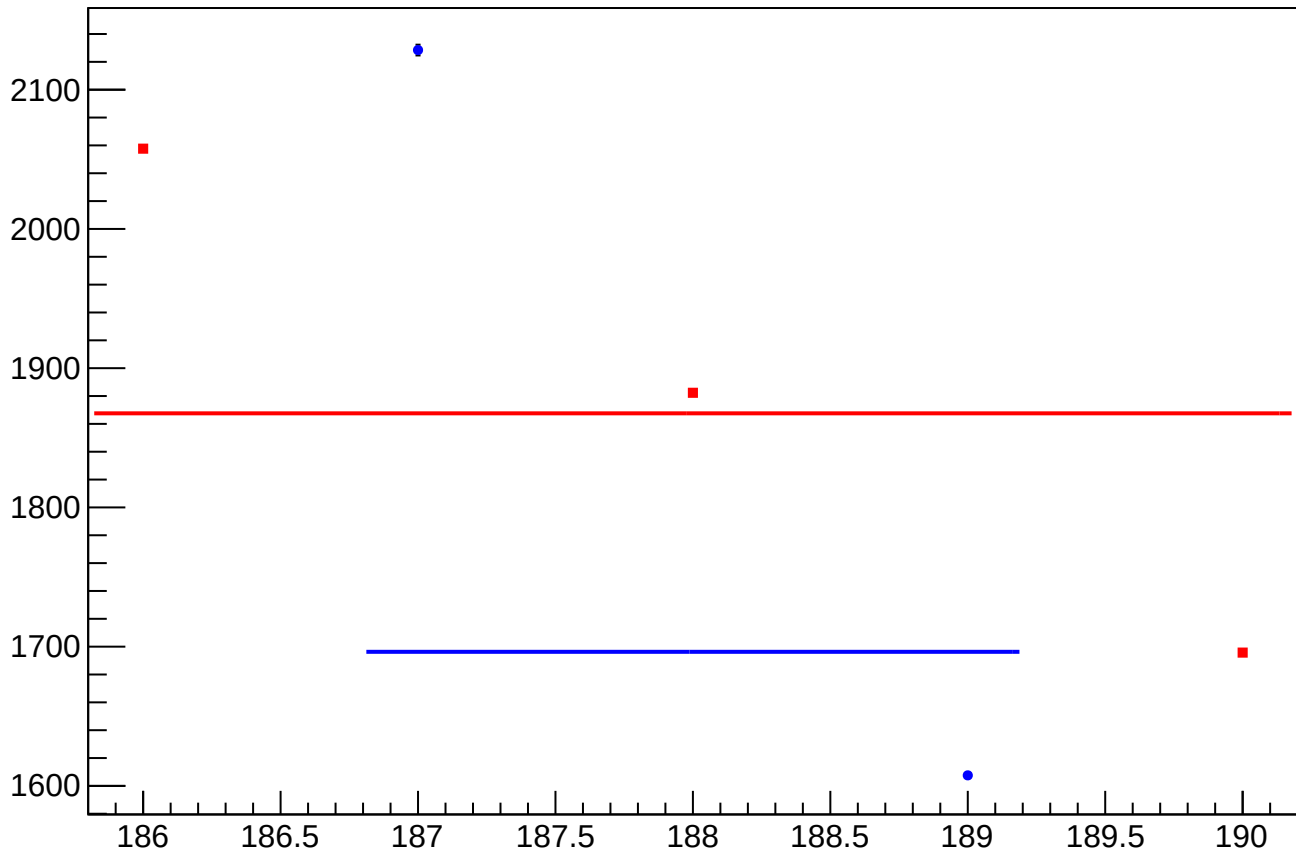
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -28.142 $\pm$ 1239.622 χ^2 /NDF: 1.2/4

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1696.295+/-1.599 χ^2/NDF : 15002.0/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1867.572+/-1.048 χ^2/NDF : 13609.9/2

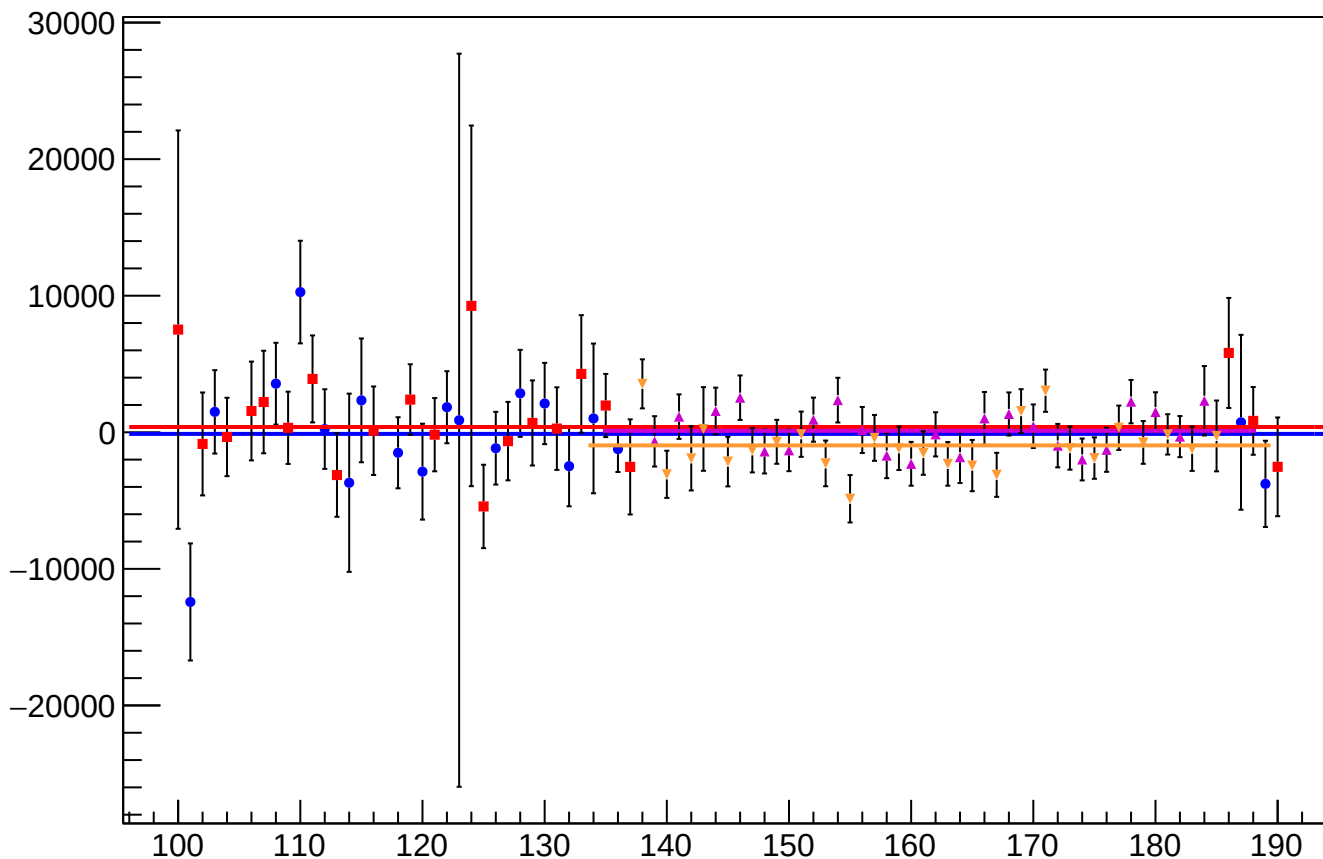
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1816.085+/-0.877 χ^2/NDF : 36639.2/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -117.936+/-727.584 χ^2/NDF : 23.8/18

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 387.184+/-682.559 χ^2/NDF : 12.6/21

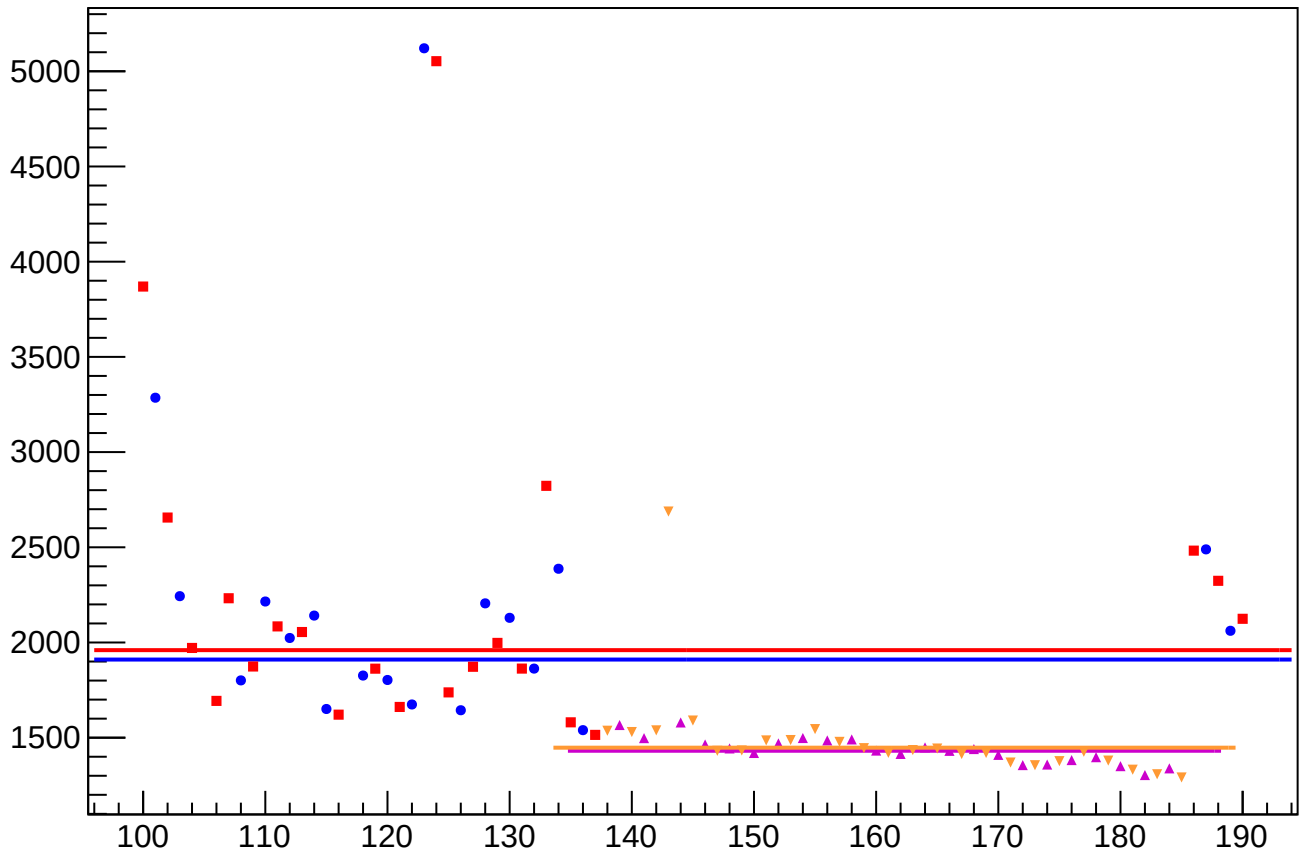
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -808.138+/-307.653 χ^2/NDF : 53.4/43

All: -320.923+/-217.295 χ^2/NDF : 90.7/88

- sign 164.072+/-306.951 χ^2/NDF : 32.2/44

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1910.381 ± 0.514 $\chi^2/\text{NDF}: 488328.6/18$

Left Out: 1447.554 ± 0.240 $\chi^2/\text{NDF}: 419254.7/24$

Right Out: 1959.812 ± 0.483 $\chi^2/\text{NDF}: 552855.1/21$

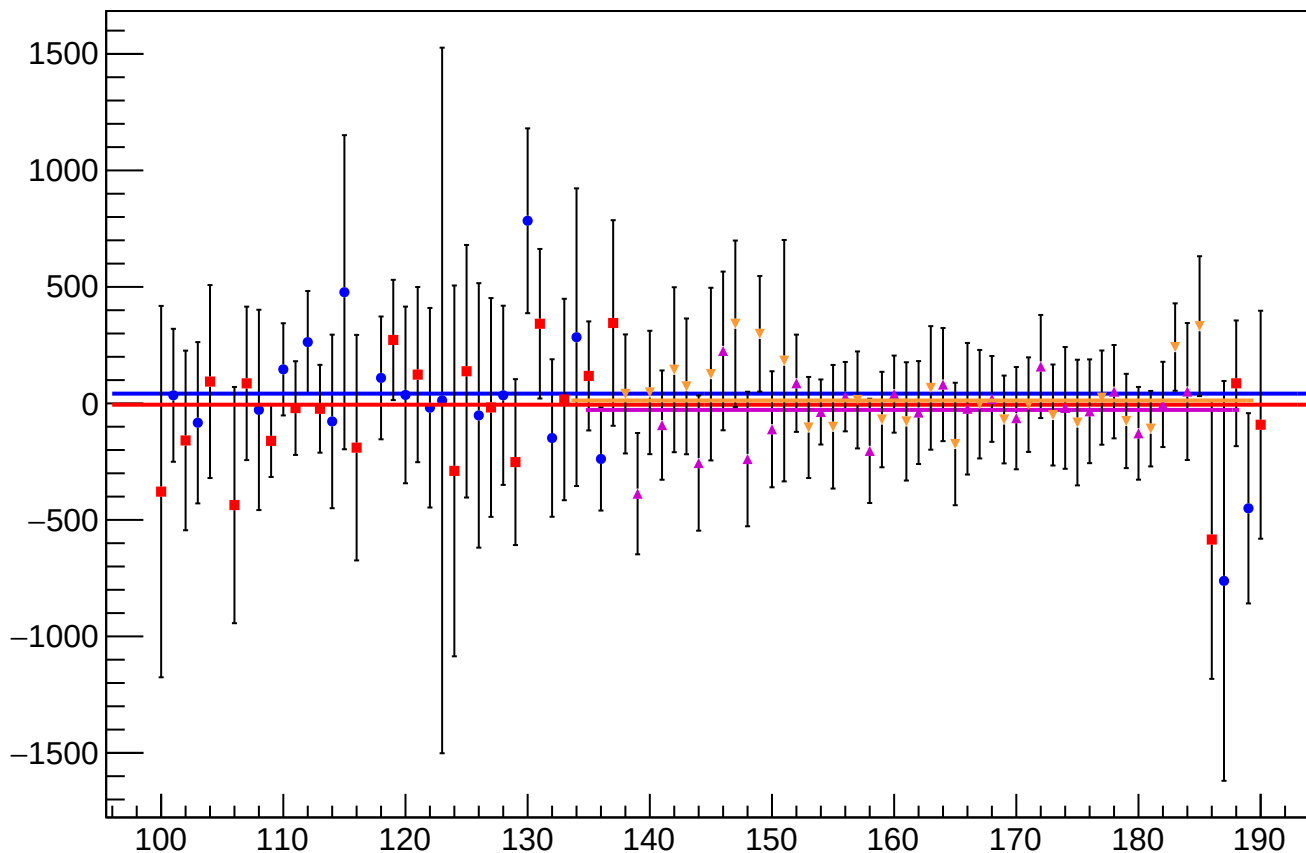
Left In: 1431.456 ± 0.243 $\chi^2/\text{NDF}: 75130.4/22$

+ sign 1530.306 ± 0.218 $\chi^2/\text{NDF}: 1572177.6/43$

All: 1534.318 ± 0.154 $\chi^2/\text{NDF}: 3156906.1/80$

- sign 1538.311 ± 0.217 $\chi^2/\text{NDF}: 1584050.1/44$

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 41.968 $\pm$ 78.029 χ^2 /NDF: 10.0/18

Left Out: 12.618 $\pm$ 47.486 χ^2 /NDF: 7.7/24

Right Out: -5.561 $\pm$ 66.714 χ^2 /NDF: 7.5/21

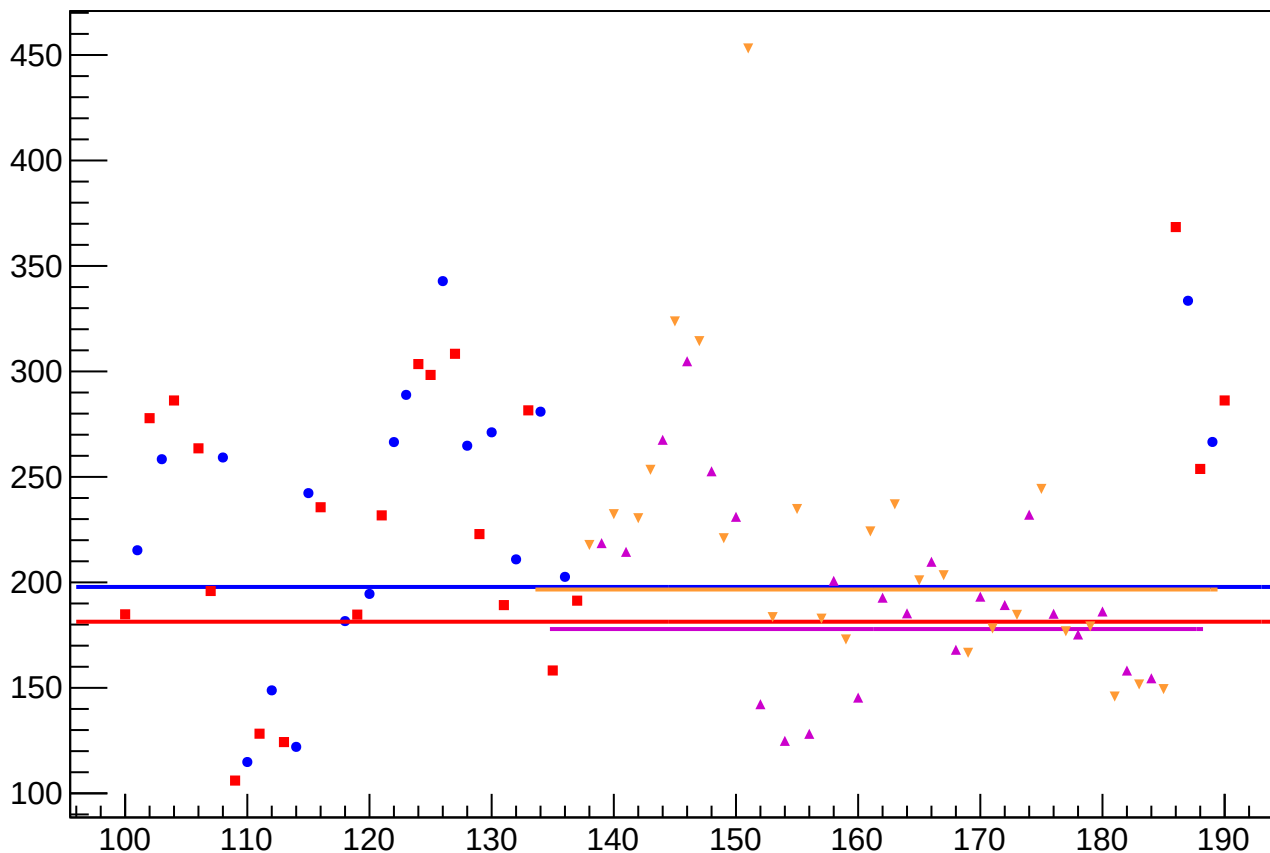
Left In: -27.921 $\pm$ 44.523 χ^2 /NDF: 6.5/22

+ sign 20.551 $\pm$ 40.565 χ^2 /NDF: 17.8/43

All: -2.128 $\pm$ 27.350 χ^2 /NDF: 32.5/88

- sign -21.031 $\pm$ 37.034 χ^2 /NDF: 14.1/44

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 197.835 $\pm$ 0.055 χ^2 /NDF: 1123176.1/18

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF: 1793507.9/24

Right Out: 181.353 $\pm$ 0.047 χ^2 /NDF: 2040905.0/21

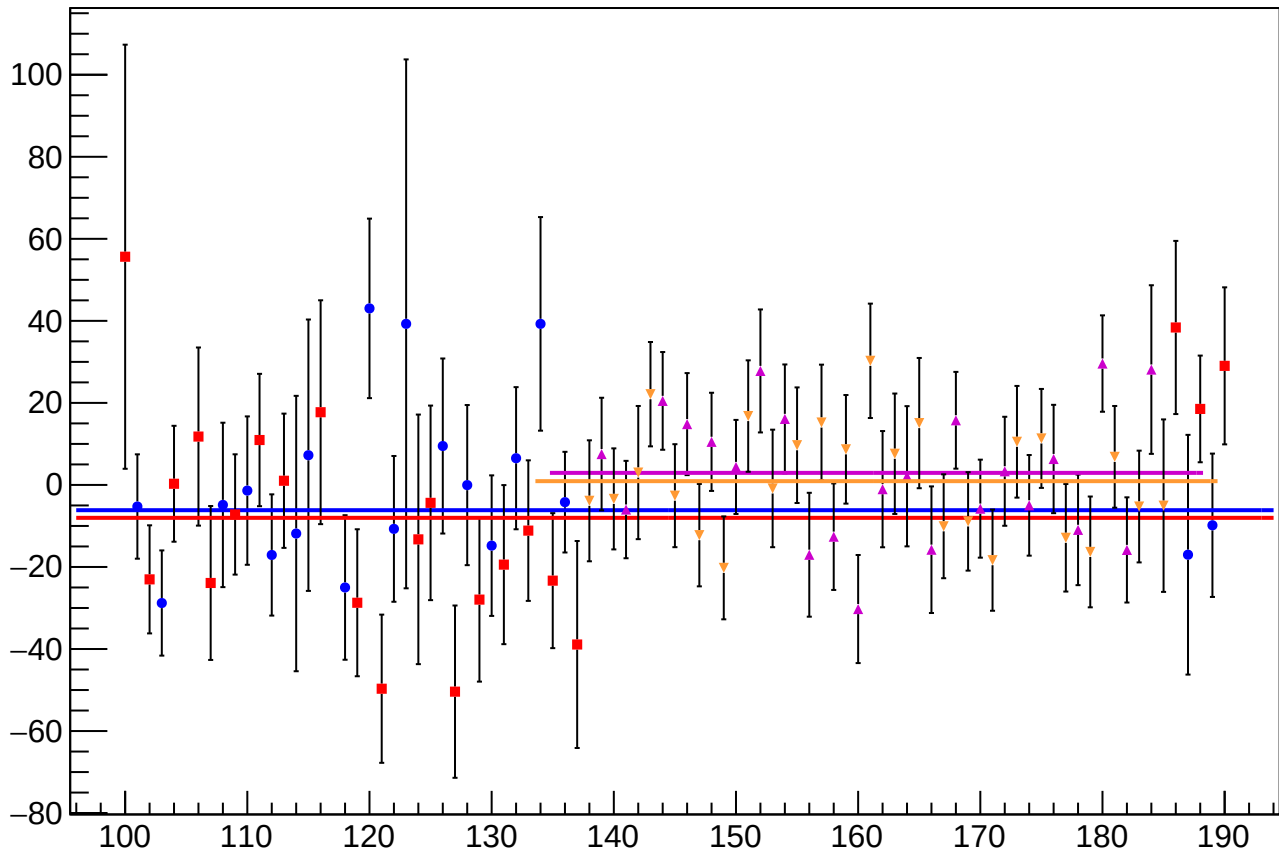
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF: 1644086.7/22

+ sign 196.948 $\pm$ 0.029 χ^2 /NDF: 2917038.2/43

All: 187.131 $\pm$ 0.019 χ^2 /NDF: 6820558.2/88

- sign 178.949 $\pm$ 0.026 χ^2 /NDF: 3688746.9/44

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.158 ± 4.188 χ^2/NDF : 15.4/18

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -8.020 ± 3.901 χ^2/NDF : 34.6/21

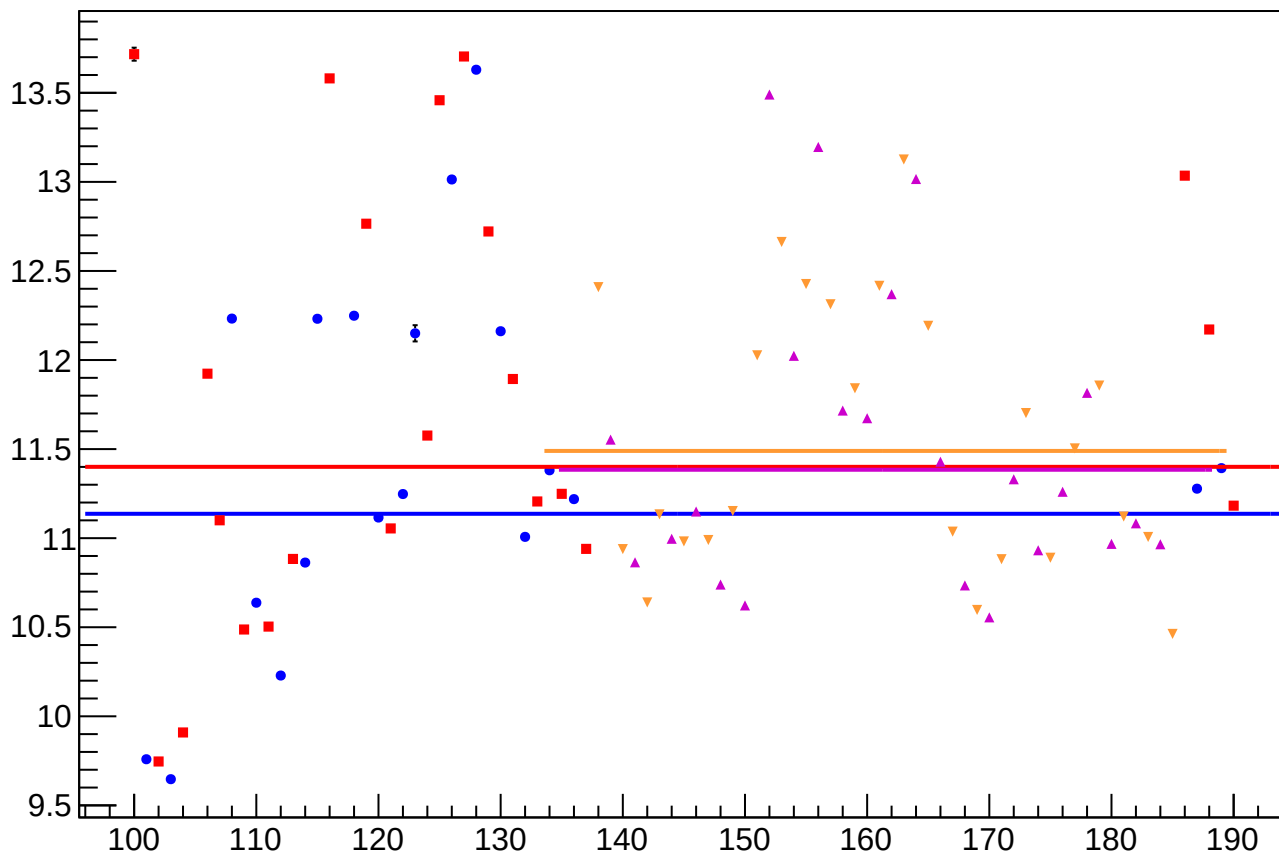
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign -1.154 ± 2.267 χ^2/NDF : 41.4/43

All: -0.919 ± 1.595 χ^2/NDF : 112.3/88

- sign -0.688 ± 2.245 χ^2/NDF : 70.9/44

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.137 $\pm$ 0.003 χ^2 /NDF: 132466.1/18

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF: 132399.1/24

Right Out: 11.400 $\pm$ 0.003 χ^2 /NDF: 170107.8/21

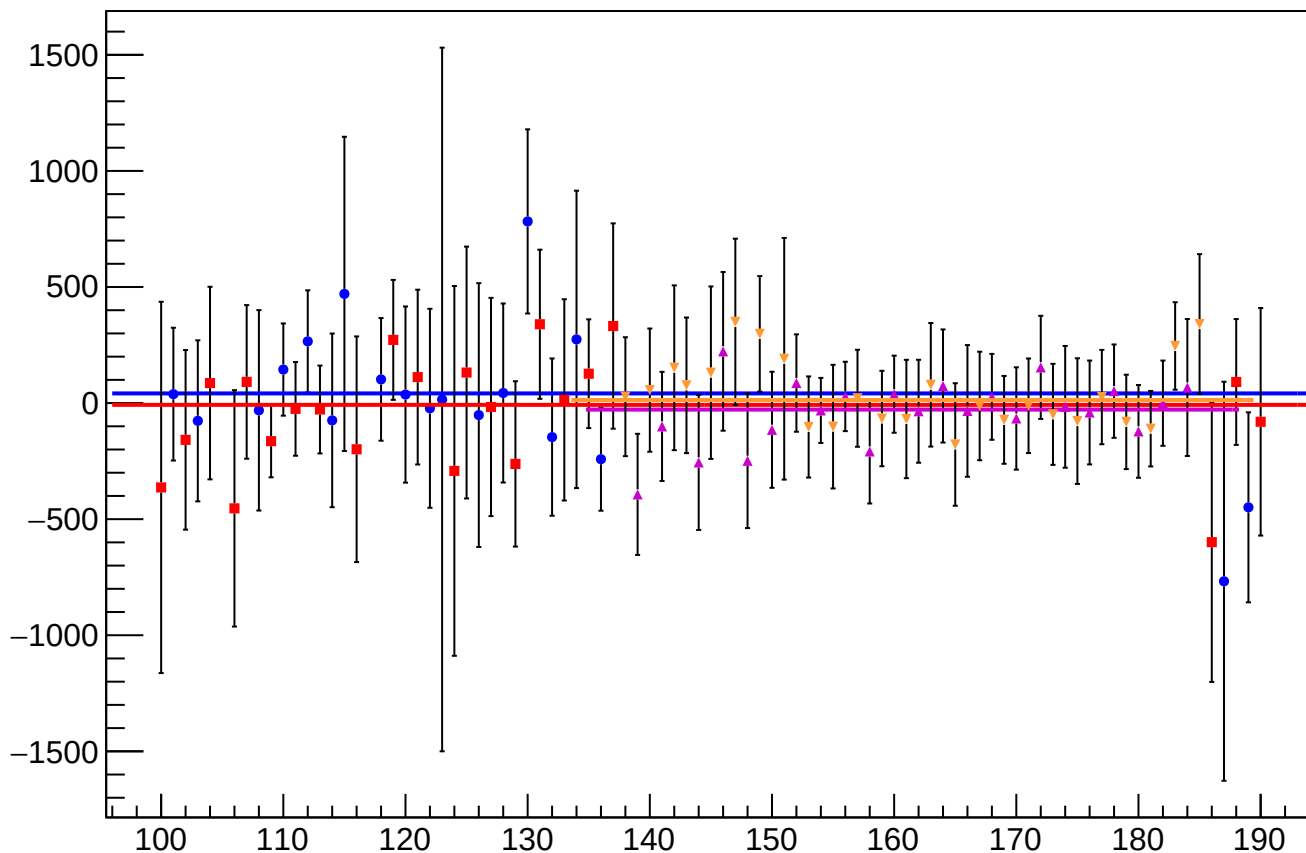
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF: 149799.6/22

+ sign 11.386 $\pm$ 0.002 χ^2 /NDF: 274908.5/43

All: 11.388 $\pm$ 0.001 χ^2 /NDF: 594841.2/88

- sign 11.389 $\pm$ 0.002 χ^2 /NDF: 319930.8/44

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 41.656 $\pm$ 78.232 χ^2 /NDF: 9.9/18

Left Out: 13.323 $\pm$ 47.662 χ^2 /NDF: 7.9/24

Right Out: -7.642 $\pm$ 66.919 χ^2 /NDF: 7.6/21

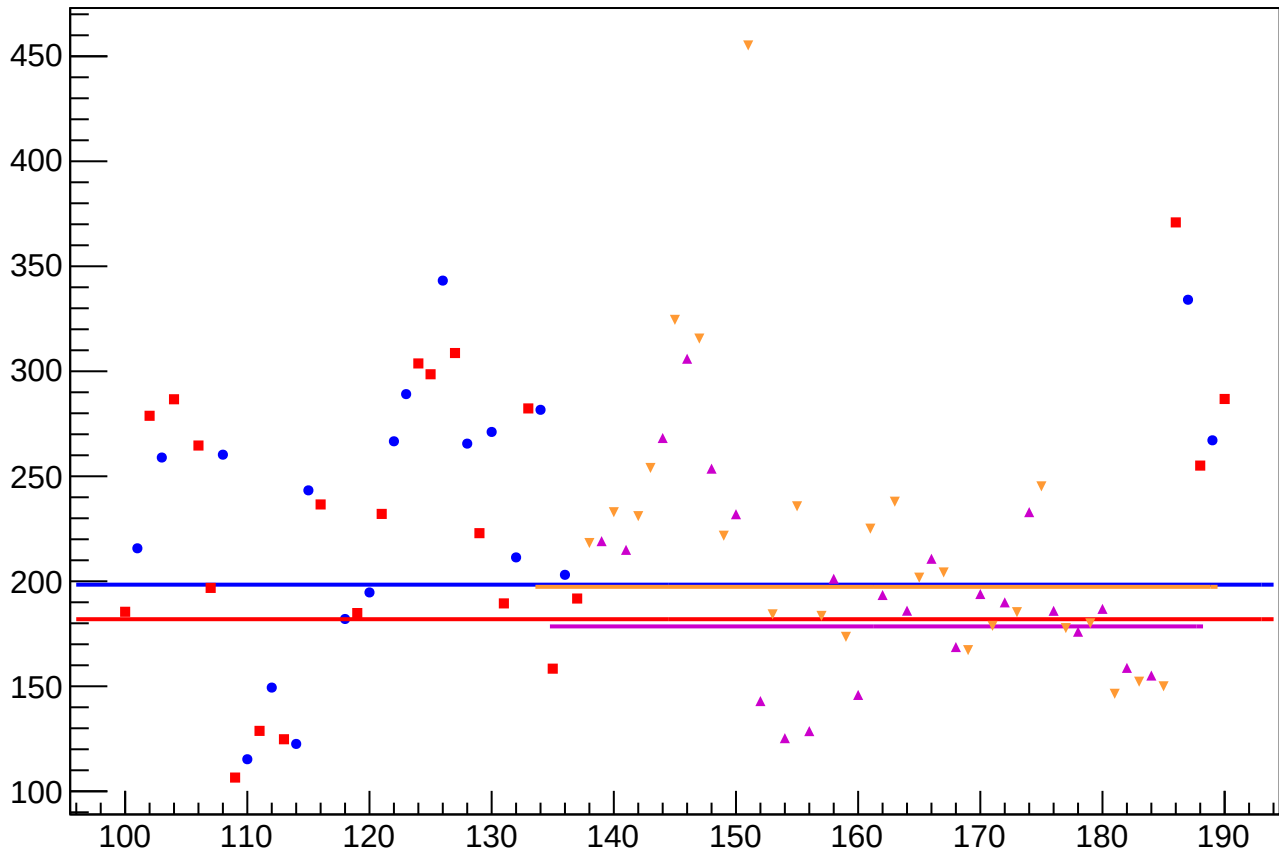
Left In: -28.050 $\pm$ 44.681 χ^2 /NDF: 6.6/22

+ sign 20.992 $\pm$ 40.703 χ^2 /NDF: 17.9/43

All: -2.324 $\pm$ 27.443 χ^2 /NDF: 32.8/88

- sign -21.757 $\pm$ 37.159 χ^2 /NDF: 14.3/44

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 198.391 ± 0.055 χ^2/NDF : 1117806.8/18

Left Out: 197.355 ± 0.034 χ^2/NDF : 1790824.5/24

Right Out: 181.944 ± 0.047 χ^2/NDF : 2036041.0/21

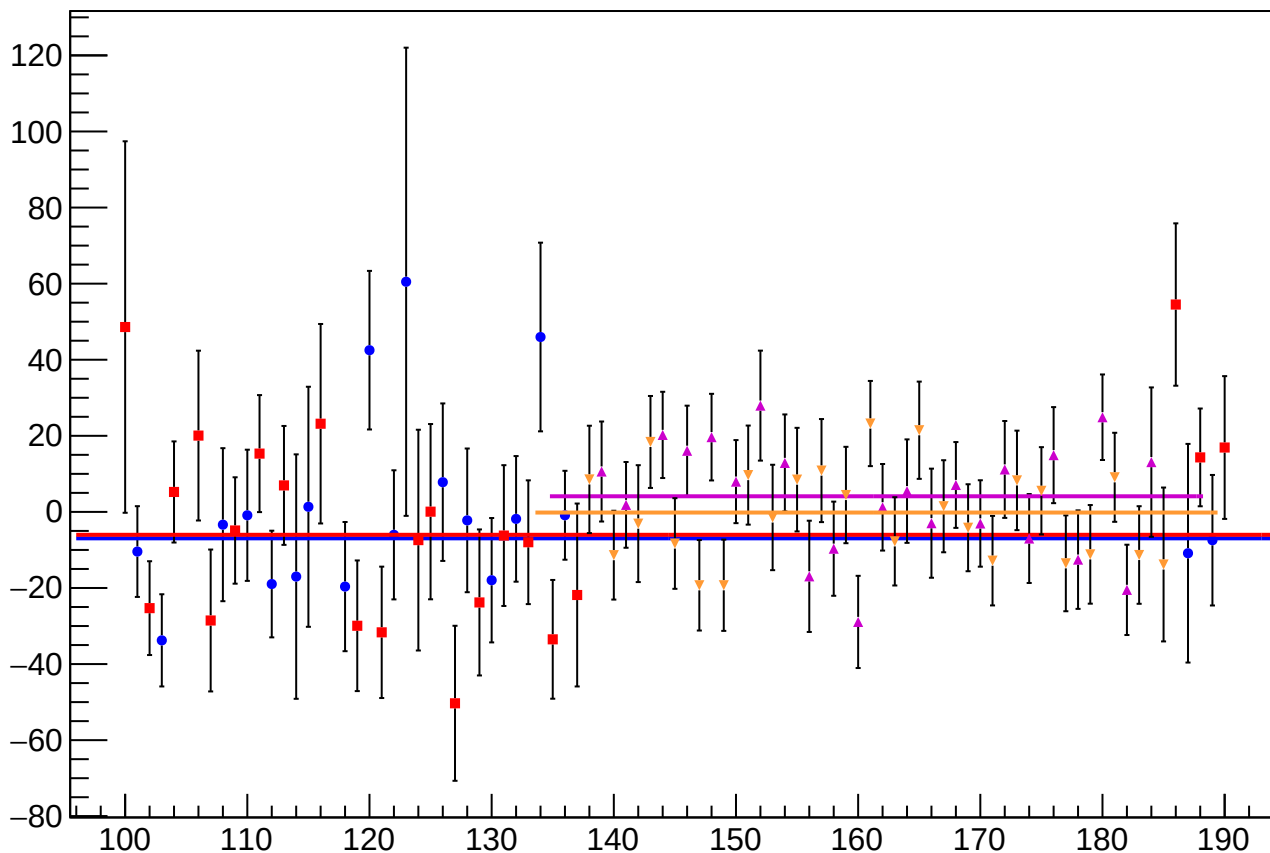
Left In: 178.512 ± 0.032 χ^2/NDF : 1642304.1/22

+ sign 197.636 ± 0.029 χ^2/NDF : 2908886.8/43

All: 187.782 ± 0.019 χ^2/NDF : 6805748.7/88

- sign 179.570 ± 0.026 χ^2/NDF : 3681983.1/44

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



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: -6.019 ± 3.753 $\chi^2/\text{NDF}: 36.5/21$

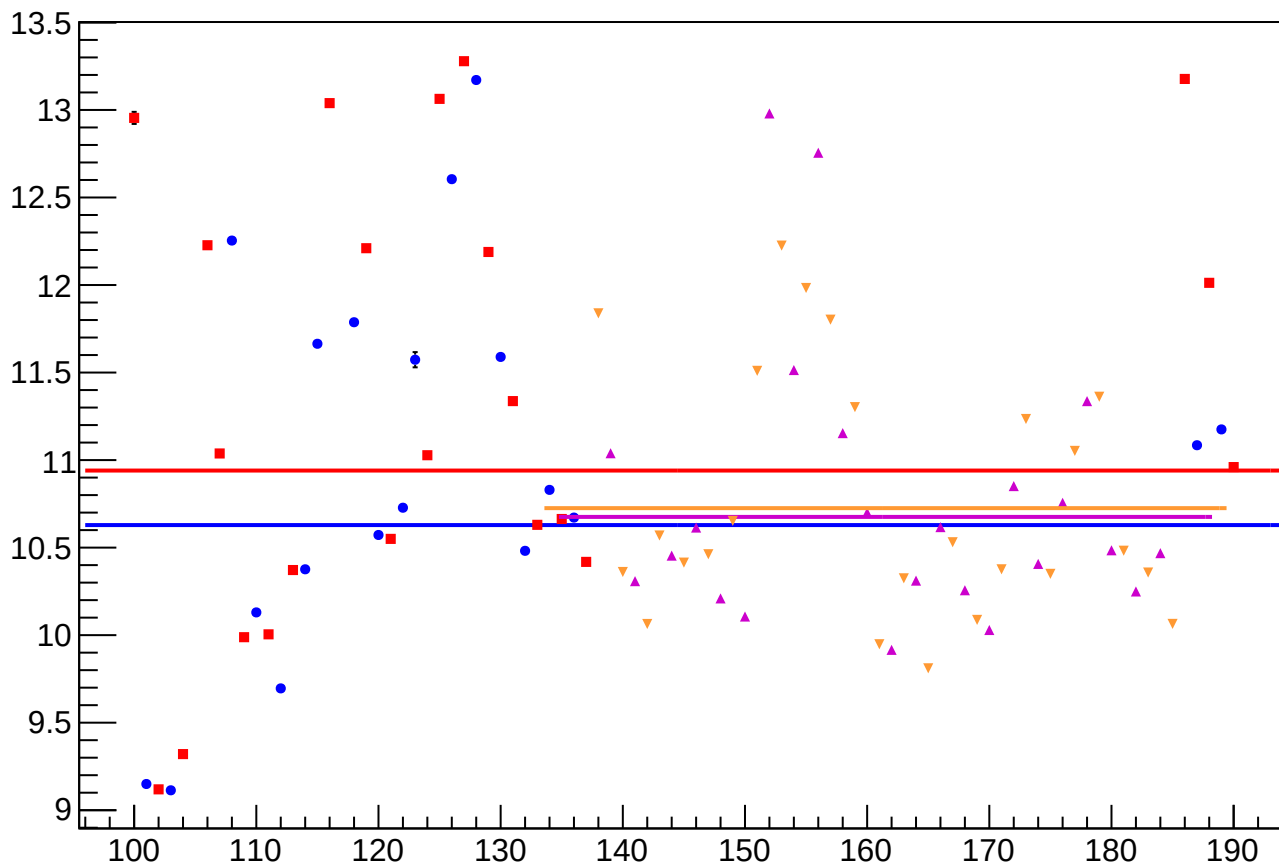
Left In: 4.107 ± 2.577 $\chi^2/\text{NDF}: 31.5/22$

+ sign -2.094 ± 2.133 $\chi^2/\text{NDF}: 45.8/43$

All: -0.610 ± 1.505 $\chi^2/\text{NDF}: 119.8/88$

- sign 0.862 ± 2.125 $\chi^2/\text{NDF}: 73.0/44$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.629 ± 0.003 $\chi^2/\text{NDF}: 161956.8/18$

Left Out: 10.725 ± 0.002 $\chi^2/\text{NDF}: 132170.8/24$

Right Out: 10.940 ± 0.003 $\chi^2/\text{NDF}: 218481.7/21$

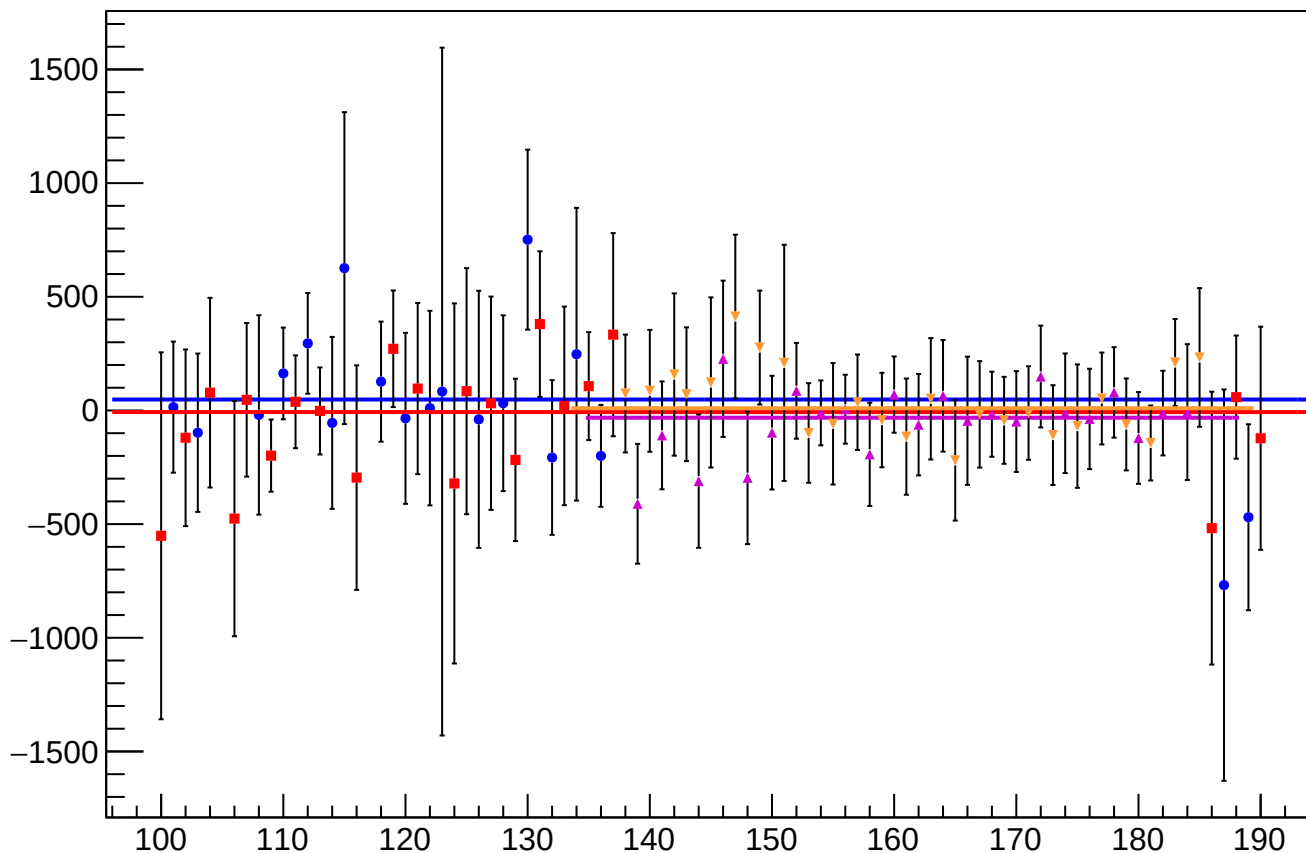
Left In: 10.675 ± 0.002 $\chi^2/\text{NDF}: 145938.2/22$

+ sign 10.698 ± 0.002 $\chi^2/\text{NDF}: 294962.7/43$

All: 10.729 ± 0.001 $\chi^2/\text{NDF}: 667003.1/88$

- sign 10.760 ± 0.002 $\chi^2/\text{NDF}: 371185.3/44$

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 48.105 $\pm$ 78.731 χ^2 /NDF: 10.3/18

Left Out: 9.801 $\pm$ 47.979 χ^2 /NDF: 7.5/24

Right Out: -7.087 $\pm$ 67.496 χ^2 /NDF: 8.2/21

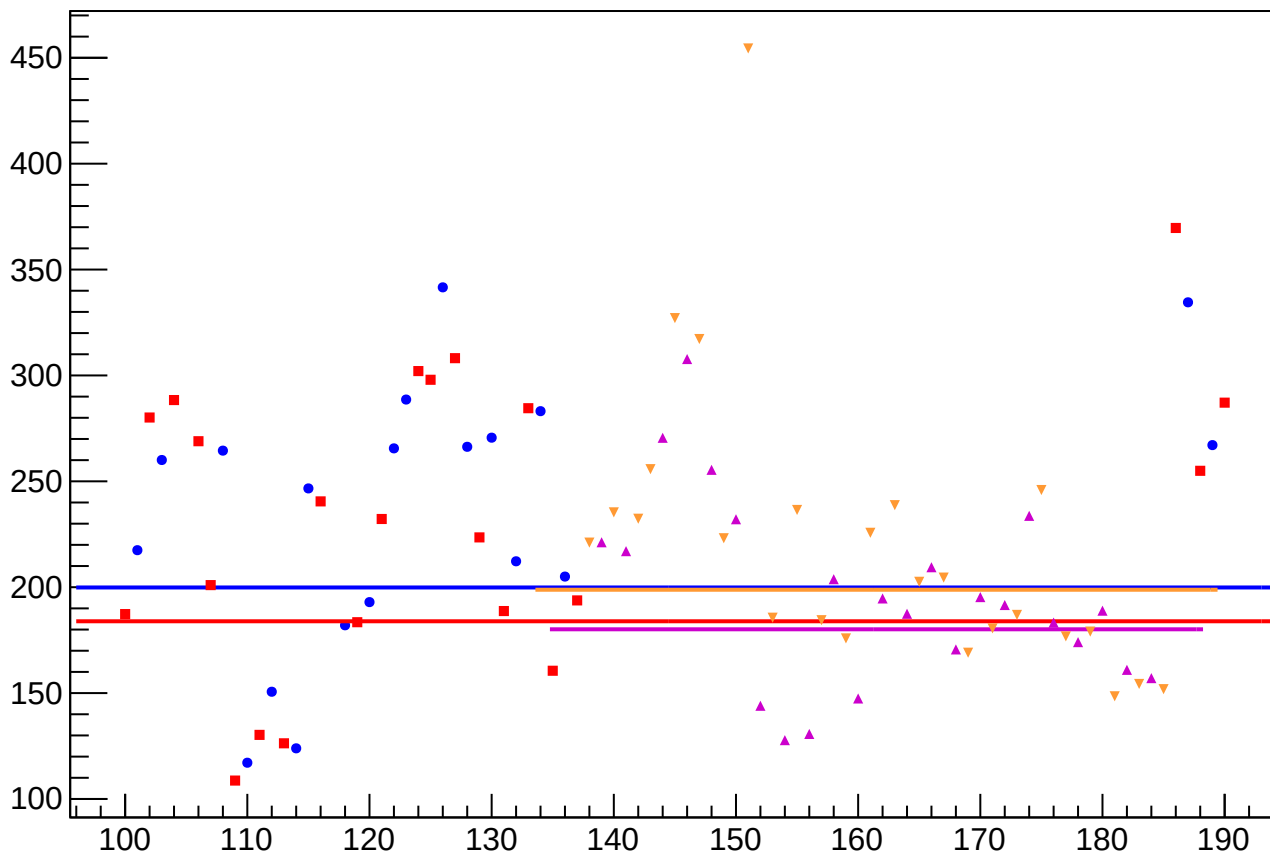
Left In: -31.989 $\pm$ 45.038 χ^2 /NDF: 7.2/22

+ sign 20.174 $\pm$ 40.971 χ^2 /NDF: 18.0/43

All: -4.057 $\pm$ 27.648 χ^2 /NDF: 34.1/88

- sign -24.317 $\pm$ 37.464 χ^2 /NDF: 15.5/44

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



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: 183.912 $\pm$ 0.048 χ^2 /NDF: 1978234.6/21

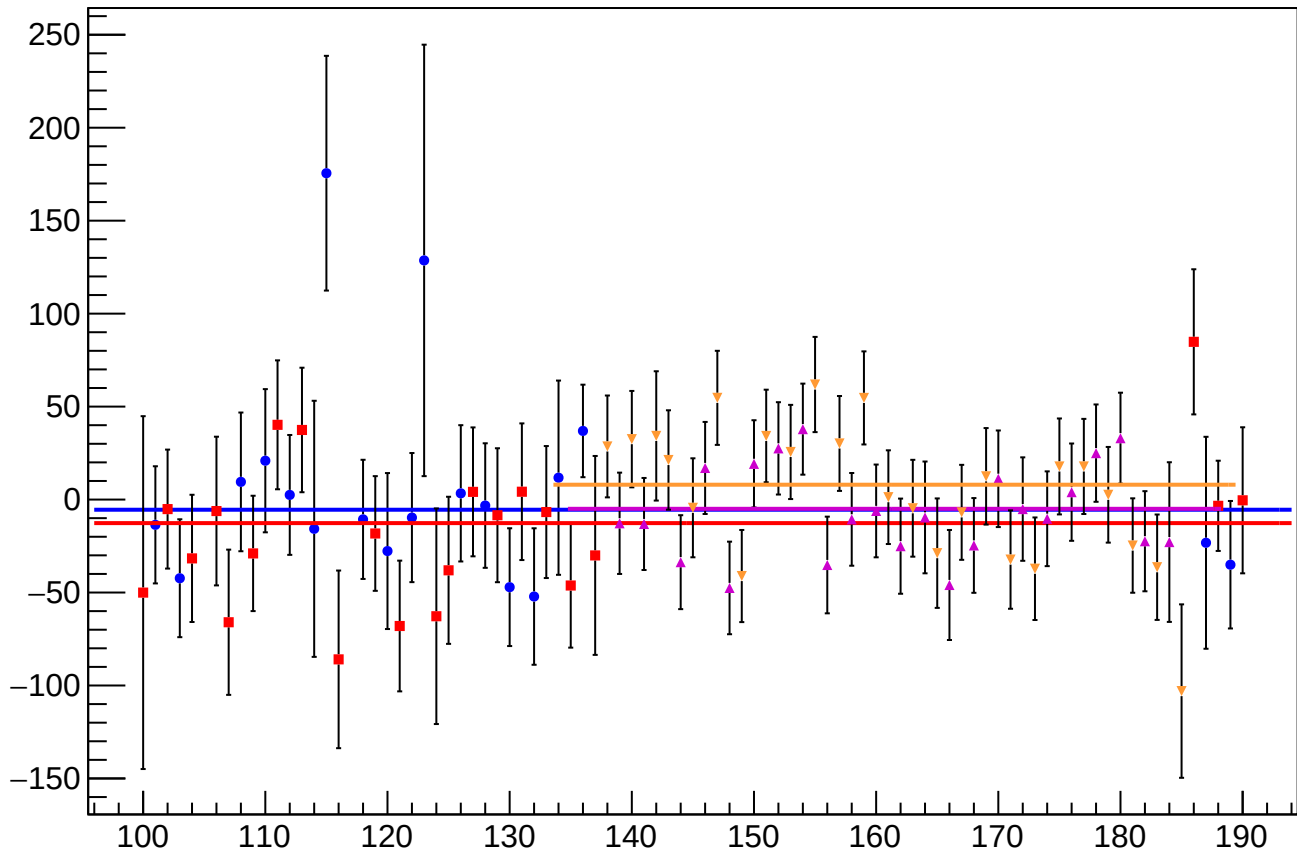
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF: 1593842.6/22

+ sign 199.091 $\pm$ 0.029 χ^2 /NDF: 2851946.8/43

All: 189.397 $\pm$ 0.020 χ^2 /NDF: 6634006.9/88

- sign 181.291 $\pm$ 0.026 χ^2 /NDF: 3576439.1/44

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.470 $\pm$ 8.519 χ^2/NDF : 19.3/18

Left Out: 7.990 $\pm$ 5.327 χ^2/NDF : 37.4/24

Right Out: -12.662 $\pm$ 7.760 χ^2/NDF : 21.4/21

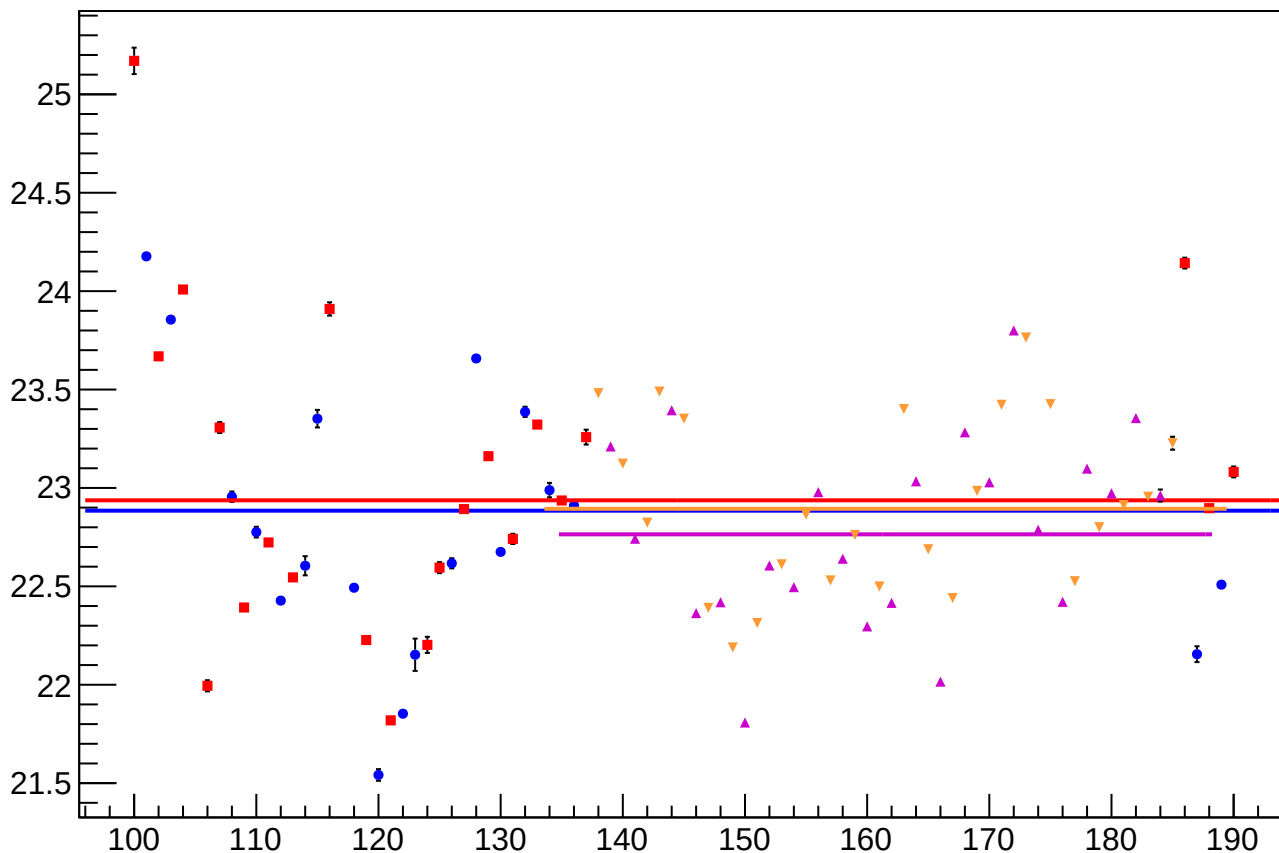
Left In: -4.973 $\pm$ 5.444 χ^2/NDF : 20.5/22

+ sign 4.206 $\pm$ 4.517 χ^2/NDF : 58.5/43

All: -1.730 $\pm$ 3.172 χ^2/NDF : 104.4/88

- sign -7.509 $\pm$ 4.457 χ^2/NDF : 42.5/44

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.885 $\pm$ 0.006 χ^2 /NDF: 12215.6/18

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.937 $\pm$ 0.005 χ^2 /NDF: 13137.3/21

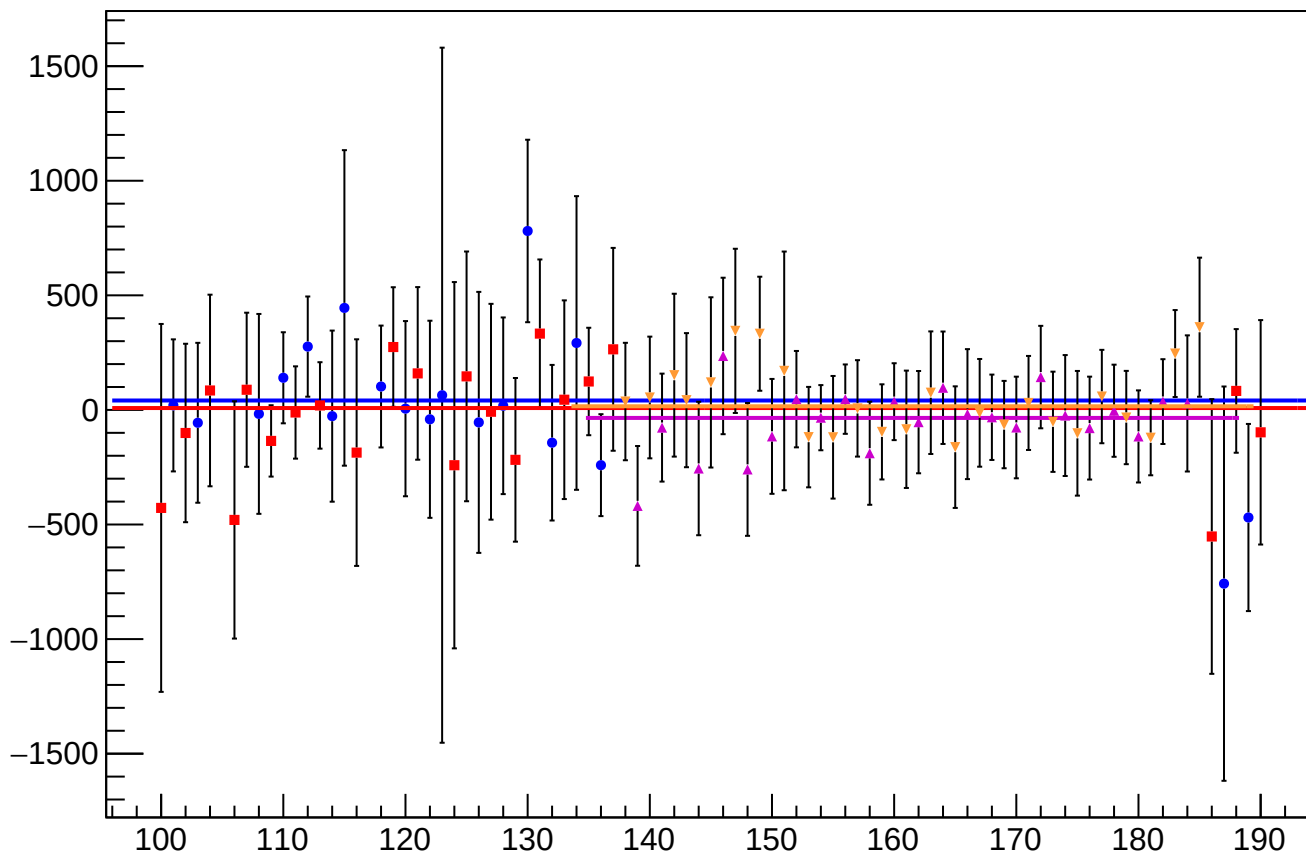
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.891 $\pm$ 0.003 χ^2 /NDF: 25287.9/43

All: 22.856 $\pm$ 0.002 χ^2 /NDF: 54000.1/88

- sign 22.821 $\pm$ 0.003 χ^2 /NDF: 28467.9/44

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 41.115 $\pm$ 78.396 χ^2 /NDF: 10.0/18

Left Out: 15.904 $\pm$ 47.898 χ^2 /NDF: 8.4/24

Right Out: 8.174 $\pm$ 67.044 χ^2 /NDF: 6.7/21

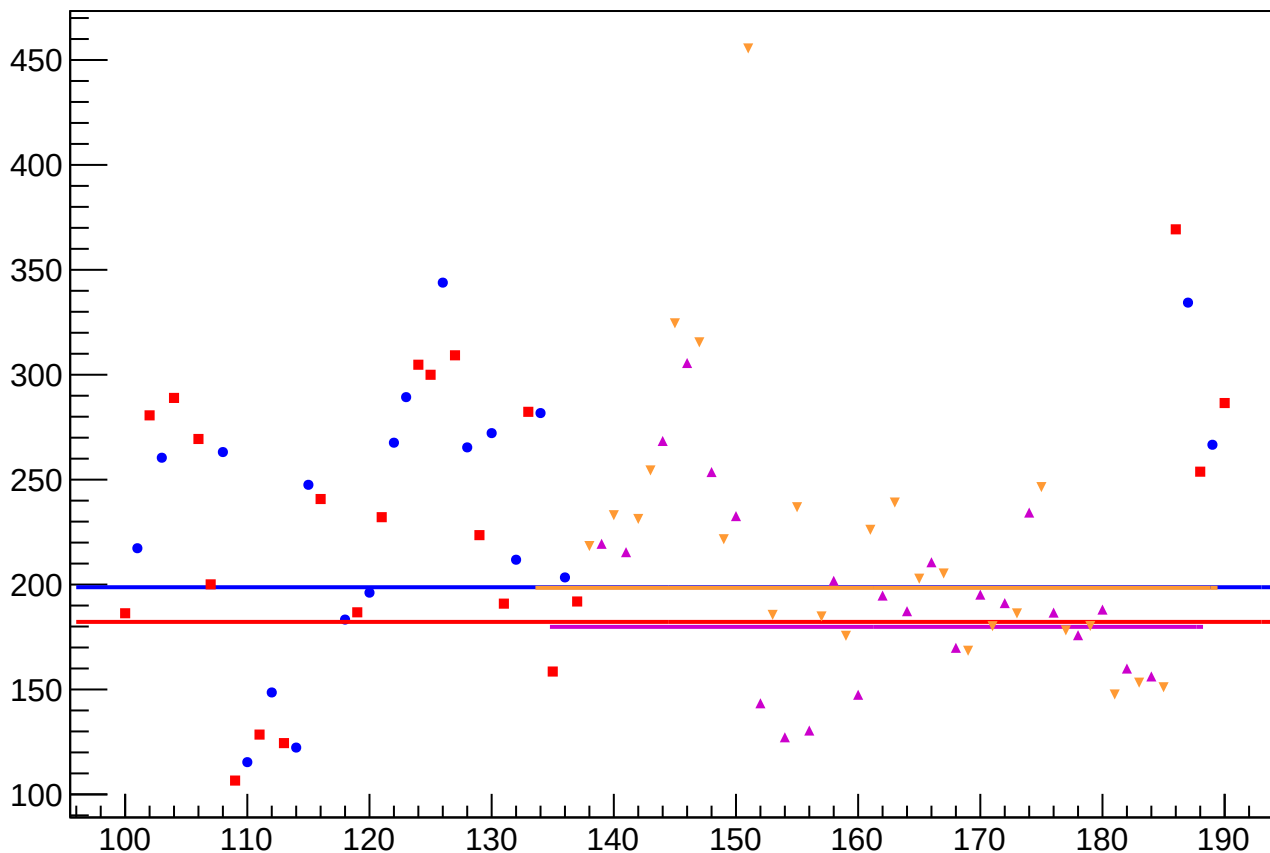
Left In: -34.919 $\pm$ 44.971 χ^2 /NDF: 6.6/22

+ sign 22.757 $\pm$ 40.873 χ^2 /NDF: 18.5/43

All: -1.388 $\pm$ 27.571 χ^2 /NDF: 32.7/88

- sign -21.547 $\pm$ 37.347 χ^2 /NDF: 13.6/44

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 198.728 $\pm$ 0.055 χ^2 /NDF: 1131412.7/18

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF: 1761433.9/24

Right Out: 182.206 $\pm$ 0.047 χ^2 /NDF: 2055214.6/21

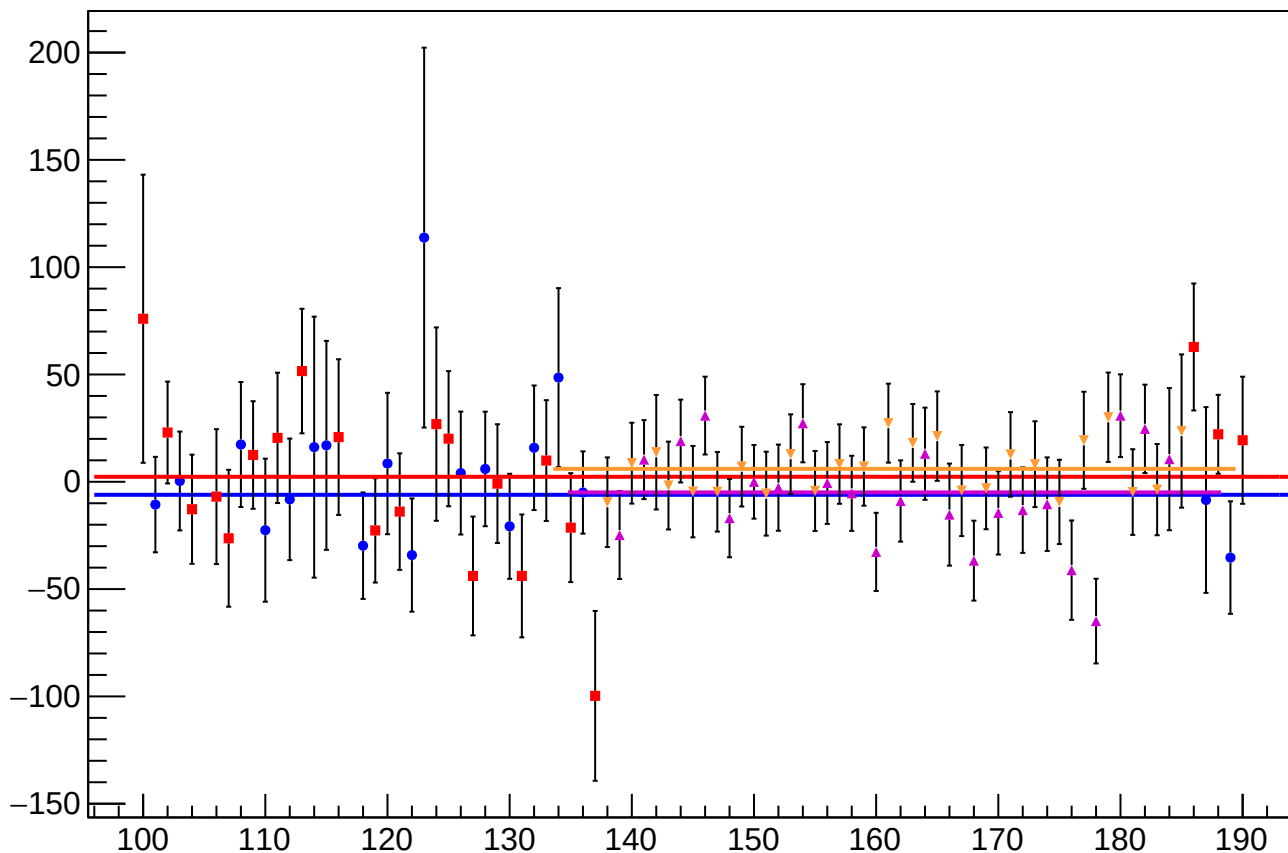
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF: 1588834.3/22

+ sign 198.525 $\pm$ 0.029 χ^2 /NDF: 2892865.0/43

All: 188.742 $\pm$ 0.019 χ^2 /NDF: 6748890.6/88

- sign 180.574 $\pm$ 0.026 χ^2 /NDF: 3645768.8/44

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



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: 2.333 ± 6.059 χ^2/NDF : 27.6/21

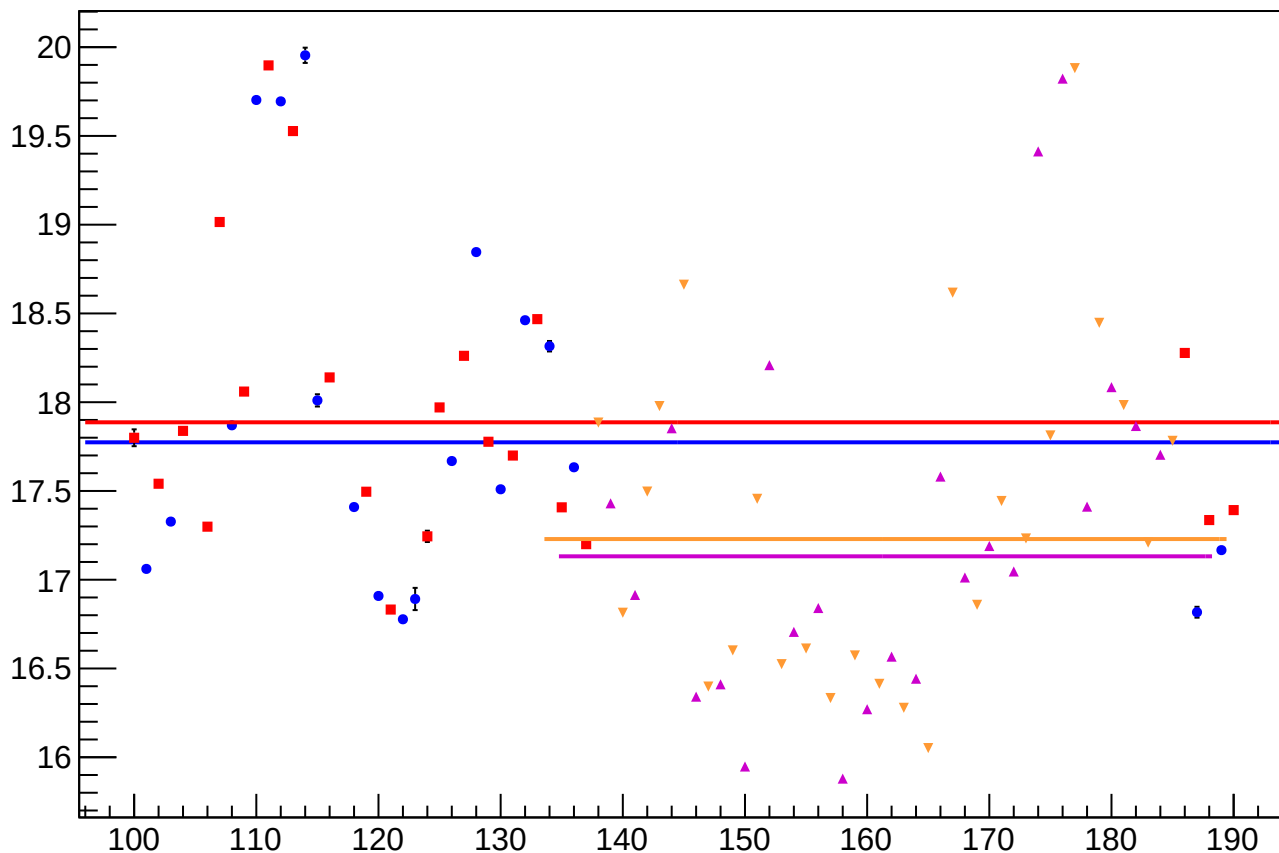
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 2.769 ± 3.435 χ^2/NDF : 20.3/43

All: 0.031 ± 2.416 χ^2/NDF : 84.9/88

- sign -2.652 ± 3.400 χ^2/NDF : 63.4/44

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.774 $\pm$ 0.005 χ^2 /NDF: 33315.5/18

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 17.887 $\pm$ 0.004 χ^2 /NDF: 28303.2/21

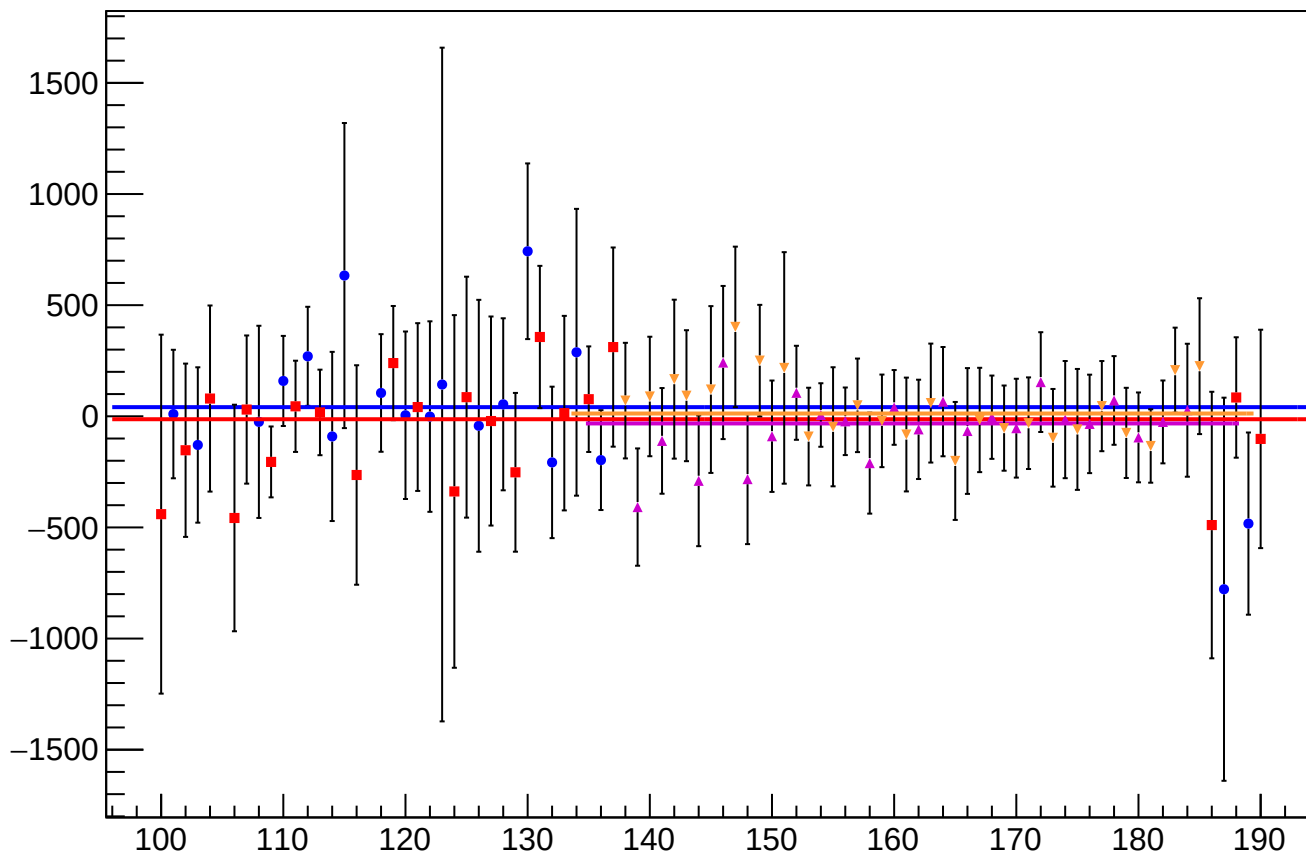
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 17.376 $\pm$ 0.002 χ^2 /NDF: 141838.9/43

All: 17.373 $\pm$ 0.002 χ^2 /NDF: 295417.9/88

- sign 17.370 $\pm$ 0.002 χ^2 /NDF: 153575.7/44

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 41.153 $\pm$ 78.925 χ^2 /NDF: 10.1/18

Left Out: 12.474 $\pm$ 48.086 χ^2 /NDF: 6.8/24

Right Out: -13.207 $\pm$ 67.632 χ^2 /NDF: 7.5/21

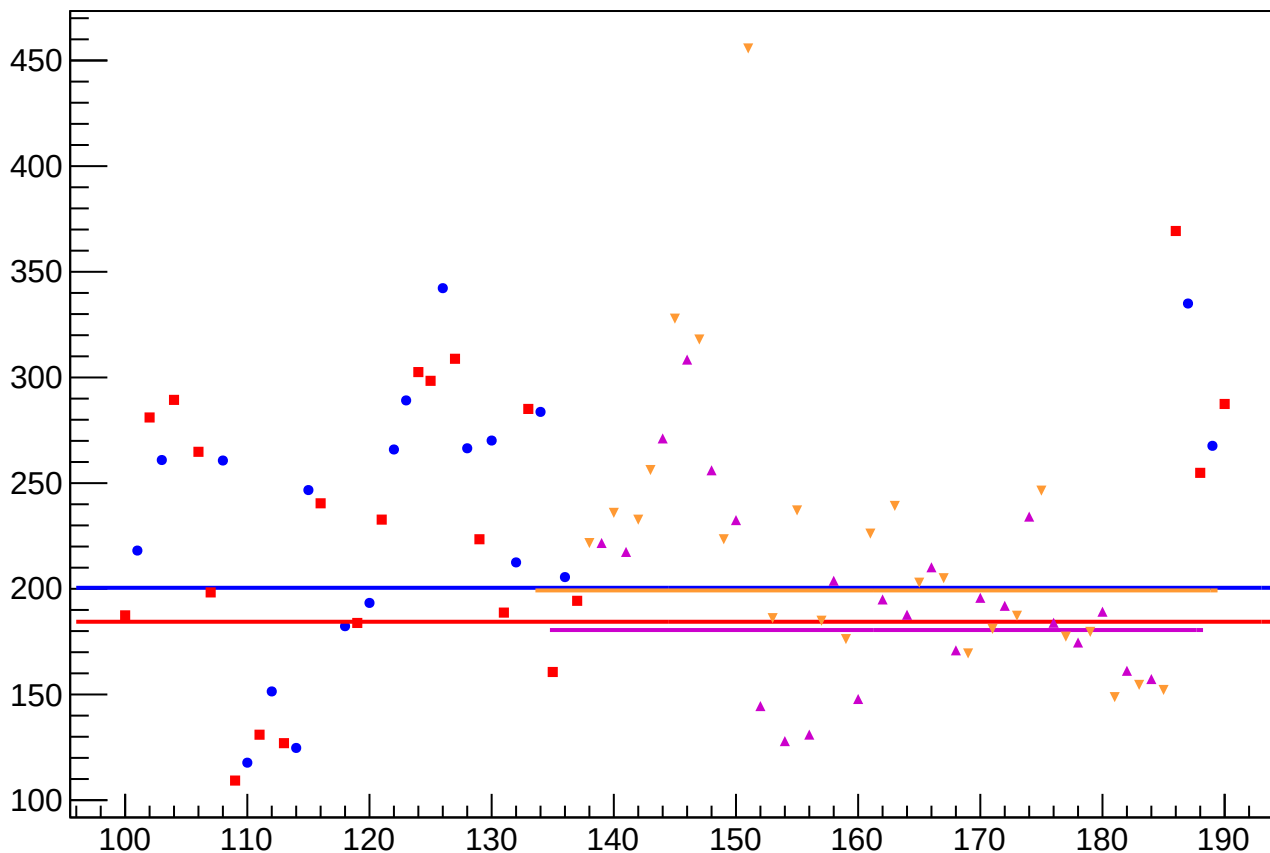
Left In: -32.159 $\pm$ 45.131 χ^2 /NDF: 6.9/22

+ sign 20.238 $\pm$ 41.065 χ^2 /NDF: 17.1/43

All: -5.125 $\pm$ 27.707 χ^2 /NDF: 32.3/88

- sign -26.320 $\pm$ 37.540 χ^2 /NDF: 14.5/44

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 200.482 $\pm$ 0.056 χ^2 /NDF: 1073012.9/18

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 184.416 $\pm$ 0.048 χ^2 /NDF: 1956178.2/21

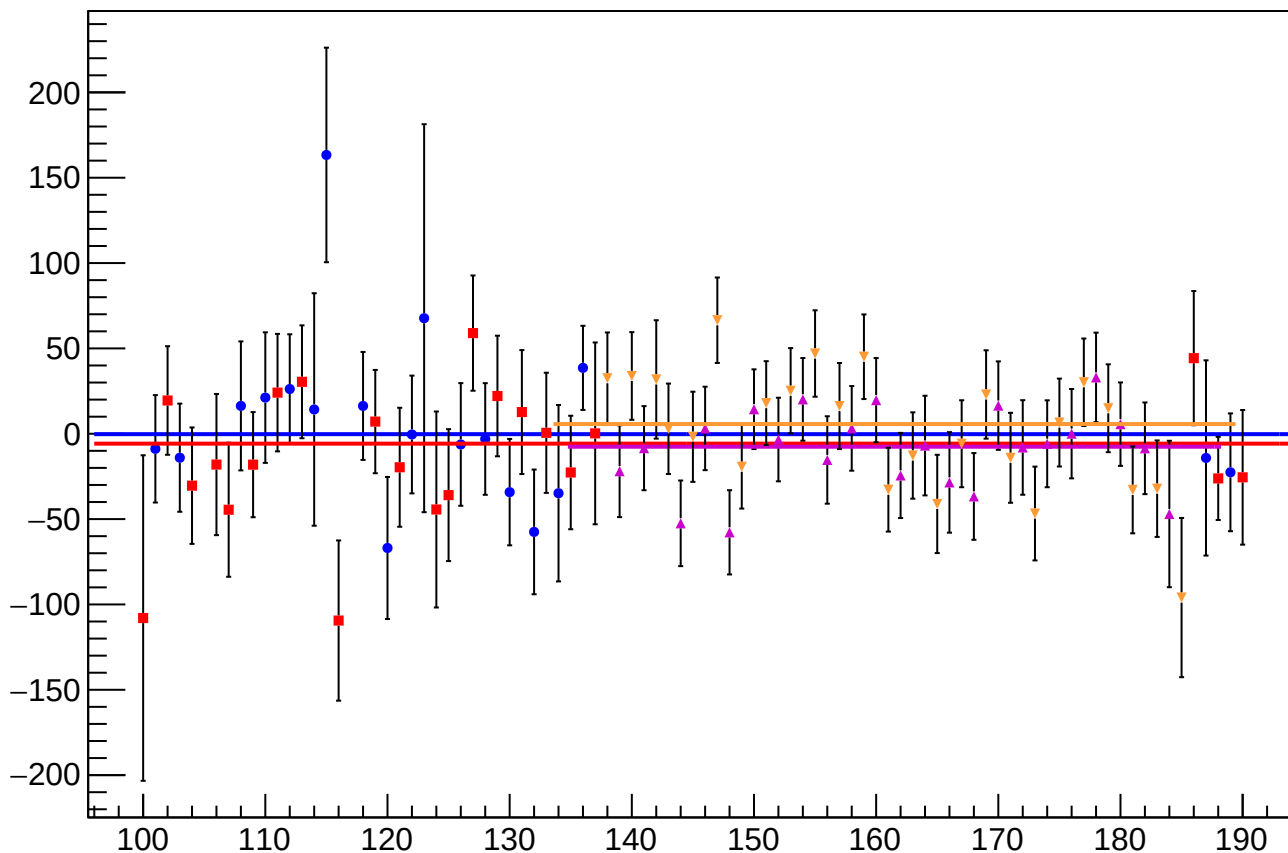
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 199.577 $\pm$ 0.029 χ^2 /NDF: 2837471.0/43

All: 189.840 $\pm$ 0.020 χ^2 /NDF: 6598521.0/88

- sign 181.702 $\pm$ 0.027 χ^2 /NDF: 3554615.6/44

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.237 ± 8.457 $\chi^2/\text{NDF}: 18.6/18$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -5.790 ± 7.709 $\chi^2/\text{NDF}: 19.2/21$

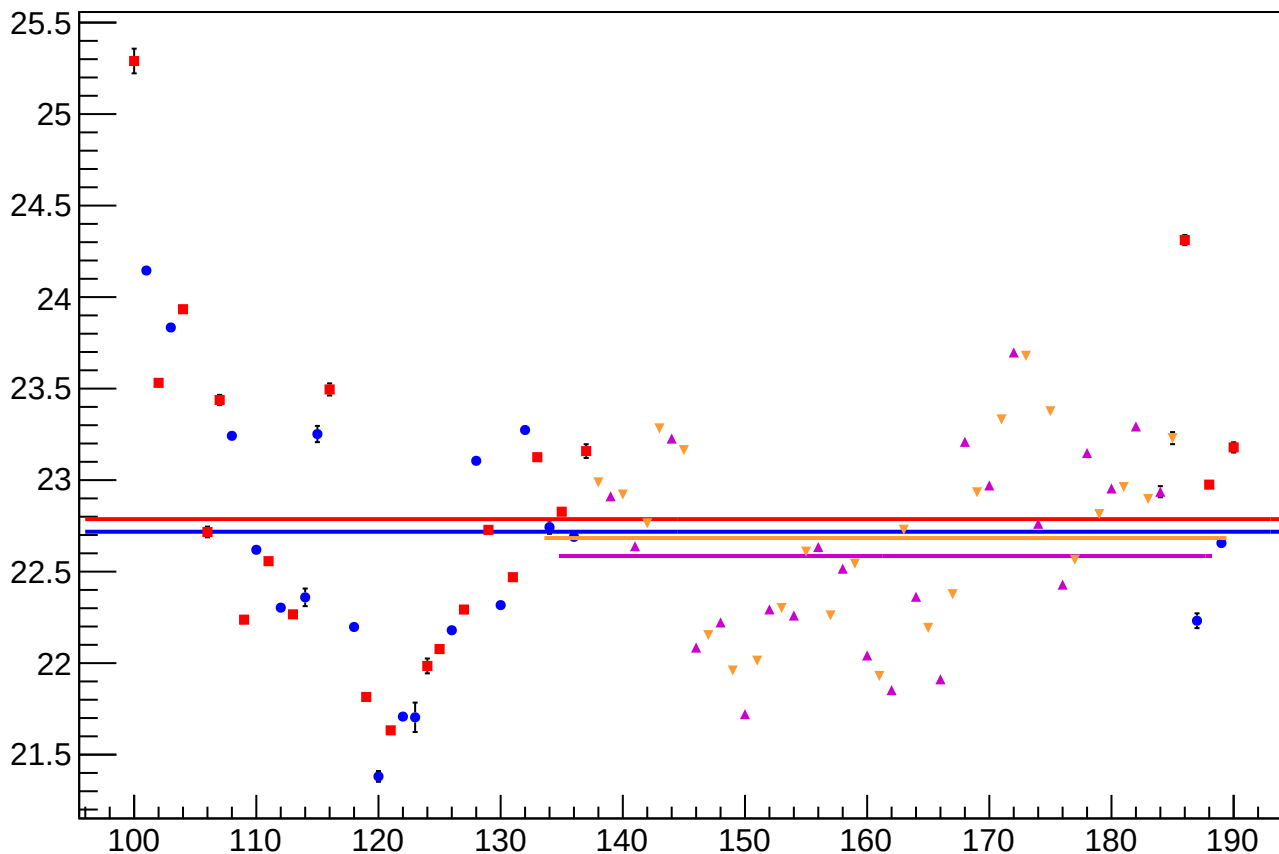
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 4.016 ± 4.477 $\chi^2/\text{NDF}: 55.3/43$

All: -1.558 ± 3.147 $\chi^2/\text{NDF}: 95.9/88$

- sign -7.000 ± 4.424 $\chi^2/\text{NDF}: 37.5/44$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.718 ± 0.006 $\chi^2/\text{NDF}: 13687.6/18$

Left Out: 22.683 ± 0.004 $\chi^2/\text{NDF}: 16318.1/24$

Right Out: 22.787 ± 0.005 $\chi^2/\text{NDF}: 16489.6/21$

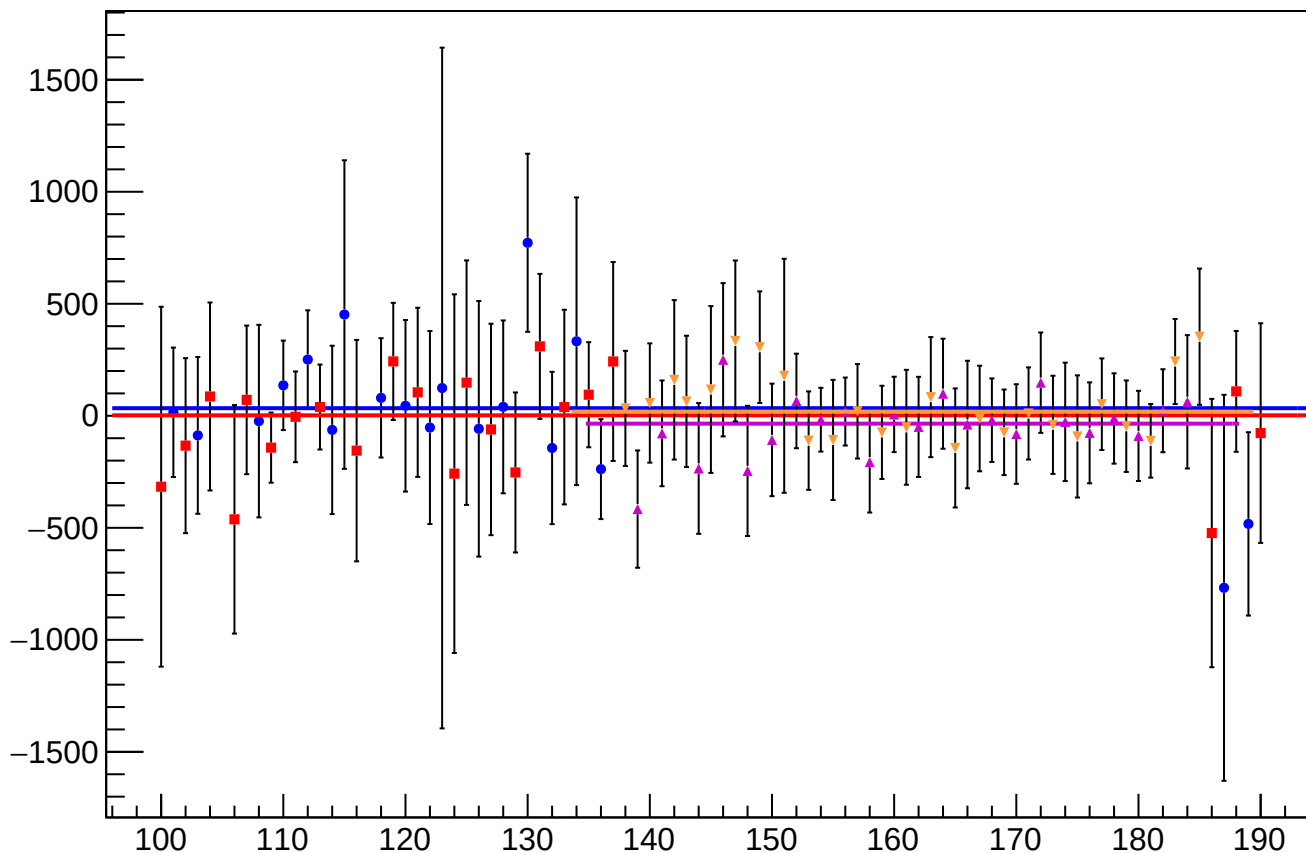
Left In: 22.585 ± 0.004 $\chi^2/\text{NDF}: 18087.5/22$

+ sign 22.693 ± 0.003 $\chi^2/\text{NDF}: 30029.6/43$

All: 22.672 ± 0.002 $\chi^2/\text{NDF}: 65609.5/88$

- sign 22.652 ± 0.003 $\chi^2/\text{NDF}: 35492.8/44$

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 33.985 $\pm$ 78.592 χ^2 /NDF: 9.8/18

Left Out: 18.633 $\pm$ 48.006 χ^2 /NDF: 7.6/24

Right Out: 2.218 $\pm$ 67.184 χ^2 /NDF: 6.1/21

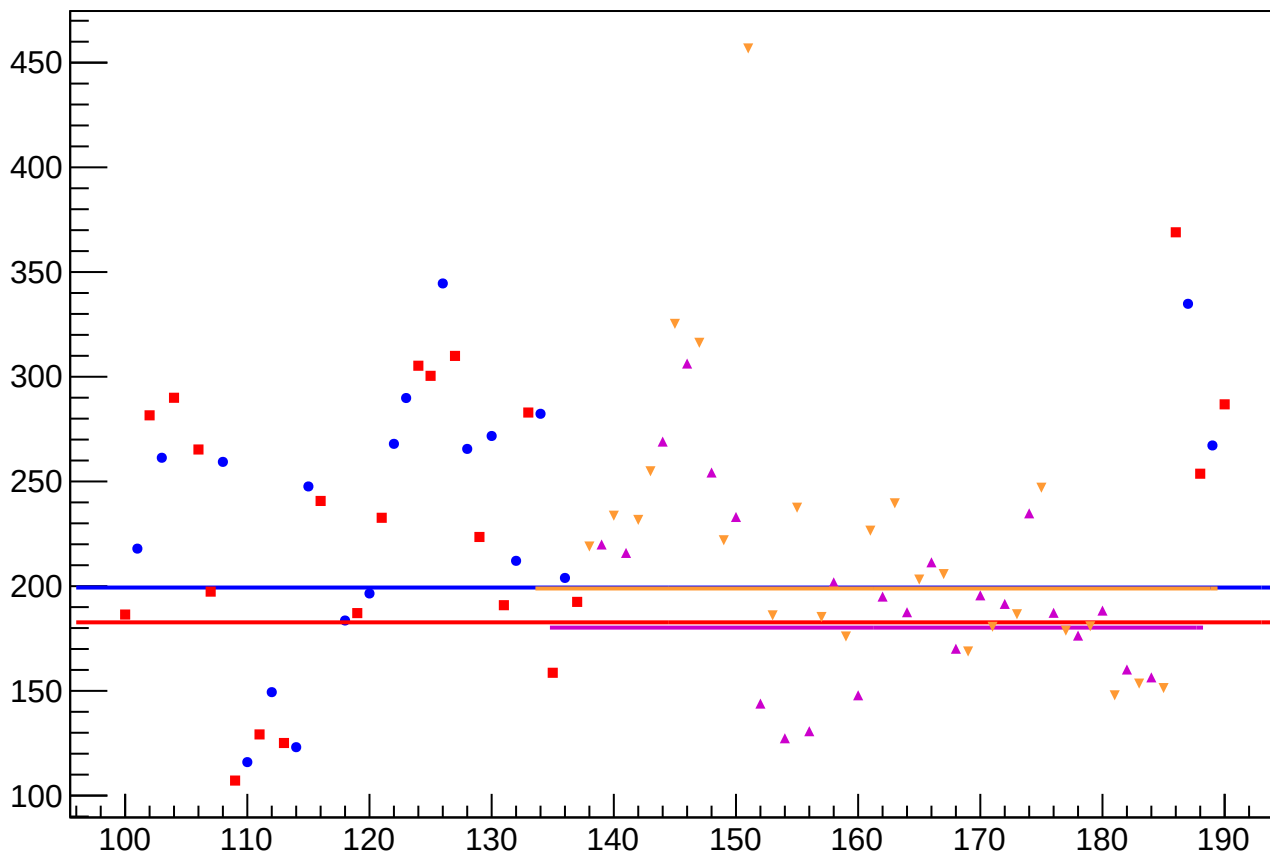
Left In: -35.046 $\pm$ 45.063 χ^2 /NDF: 6.3/22

+ sign 22.804 $\pm$ 40.968 χ^2 /NDF: 17.4/43

All: -2.428 $\pm$ 27.631 χ^2 /NDF: 30.7/88

- sign -23.483 $\pm$ 37.424 χ^2 /NDF: 12.6/44

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 199.346 $\pm$ 0.056 χ^2 /NDF: 1115131.7/18

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF: 1762454.6/24

Right Out: 182.726 $\pm$ 0.048 χ^2 /NDF: 2032095.8/21

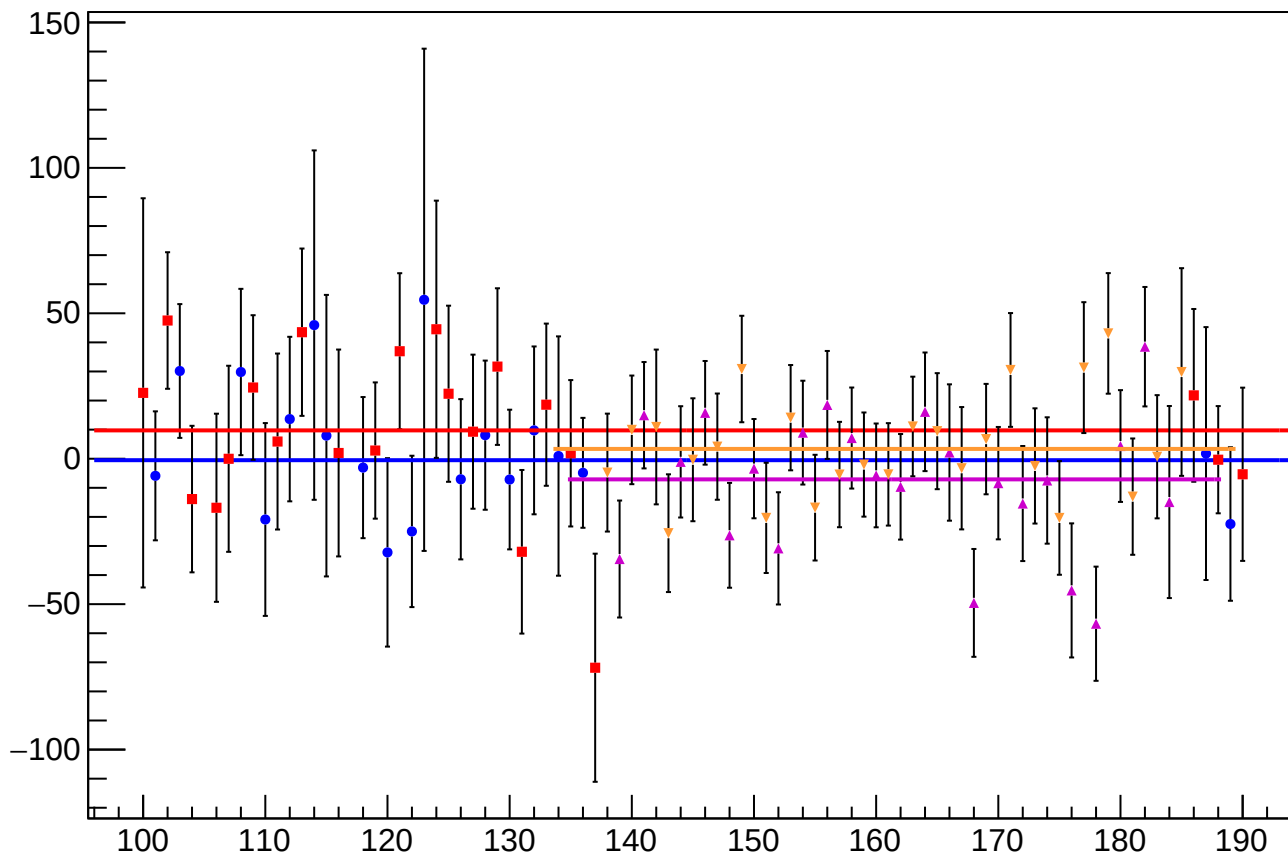
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF: 1589005.4/22

+ sign 199.014 $\pm$ 0.029 χ^2 /NDF: 2877635.1/43

All: 189.188 $\pm$ 0.020 χ^2 /NDF: 6711738.2/88

- sign 180.989 $\pm$ 0.026 χ^2 /NDF: 3623039.5/44

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.503 ± 6.536 χ^2/NDF : 7.6/18

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: 9.743 ± 5.991 χ^2/NDF : 16.1/21

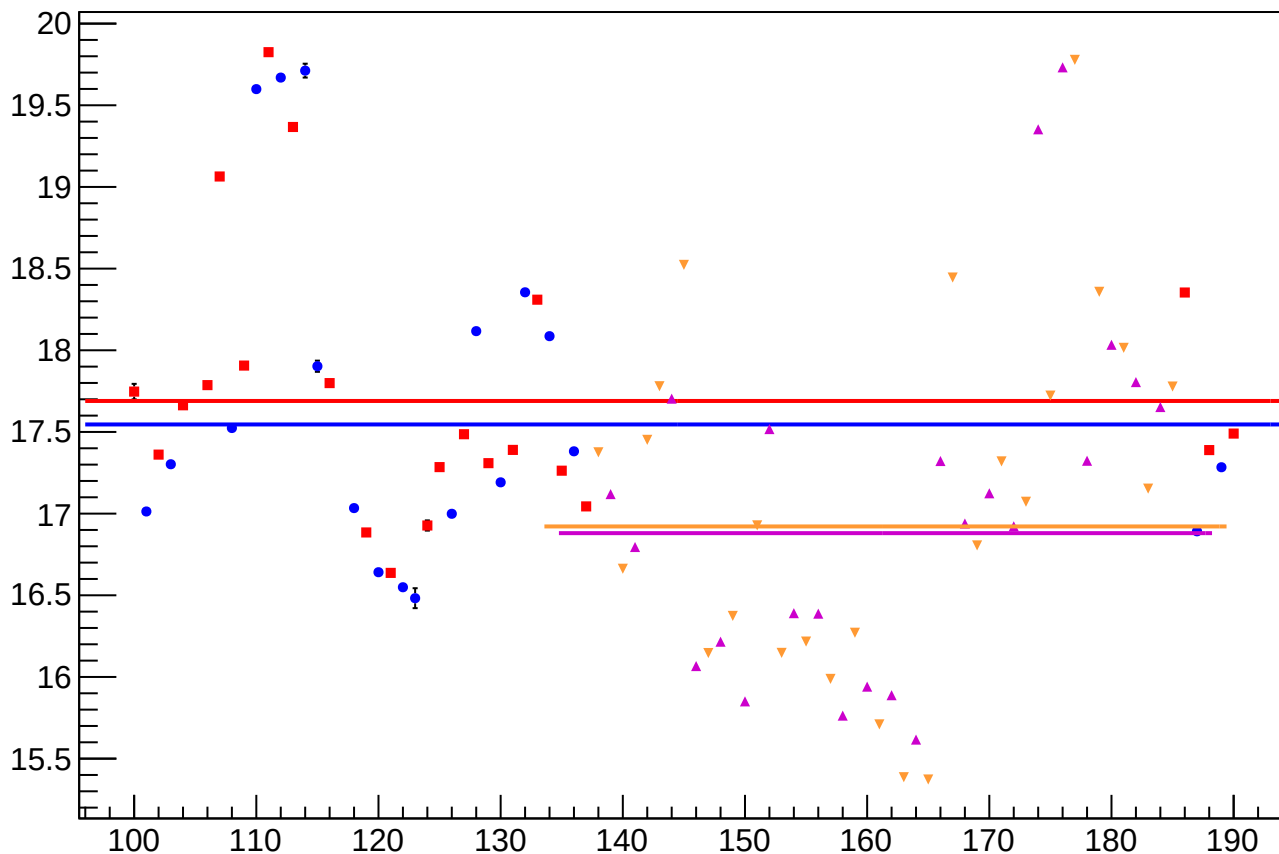
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 2.336 ± 3.379 χ^2/NDF : 26.7/43

All: 0.242 ± 2.380 χ^2/NDF : 81.5/88

- sign -1.821 ± 3.354 χ^2/NDF : 54.0/44

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.546 $\pm$ 0.005 χ^2 /NDF: 33660.6/18

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.690 $\pm$ 0.004 χ^2 /NDF: 31909.8/21

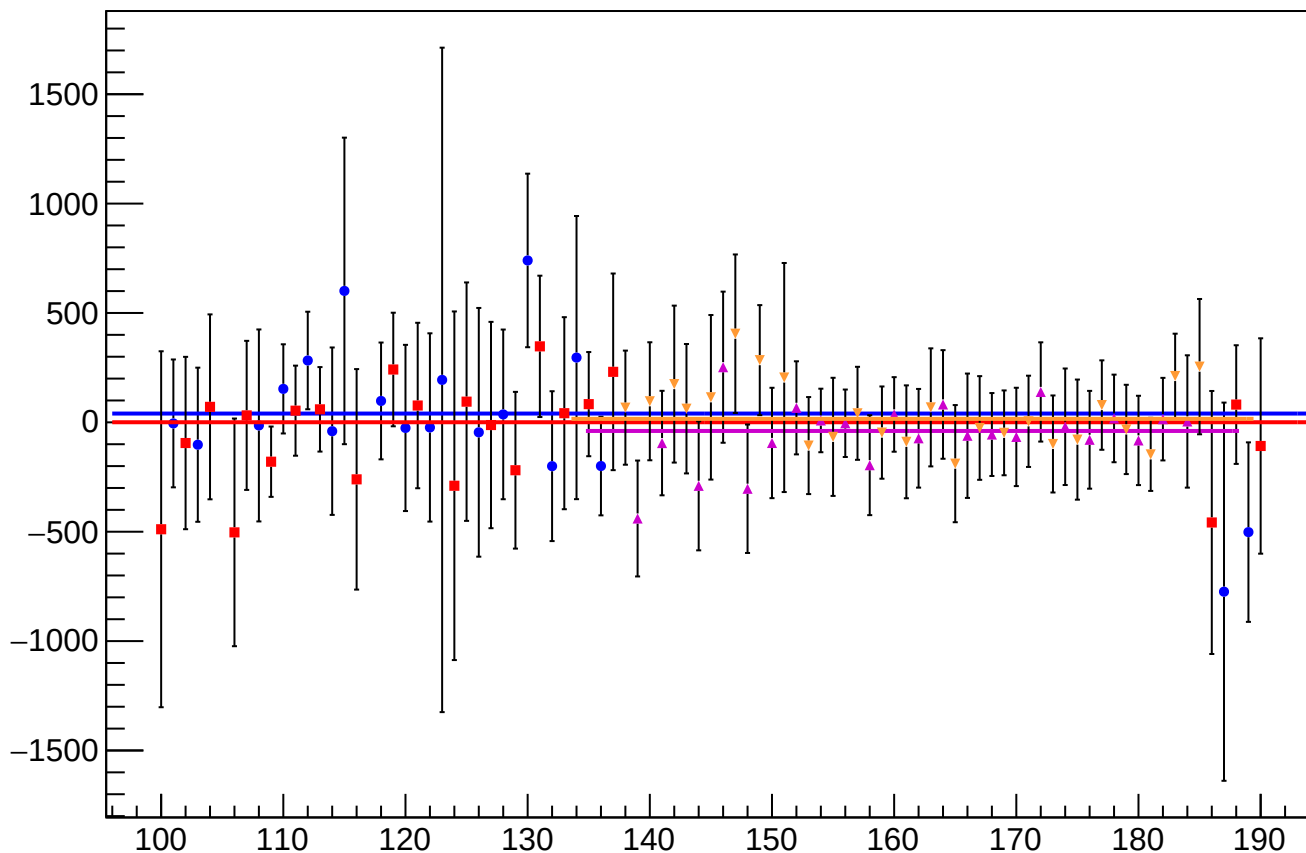
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 17.088 $\pm$ 0.002 χ^2 /NDF: 186027.2/43

All: 17.111 $\pm$ 0.002 χ^2 /NDF: 364913.2/88

- sign 17.134 $\pm$ 0.002 χ^2 /NDF: 178701.4/44

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



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: 0.455 $\pm$ 68.070 χ^2 /NDF: 6.8/21

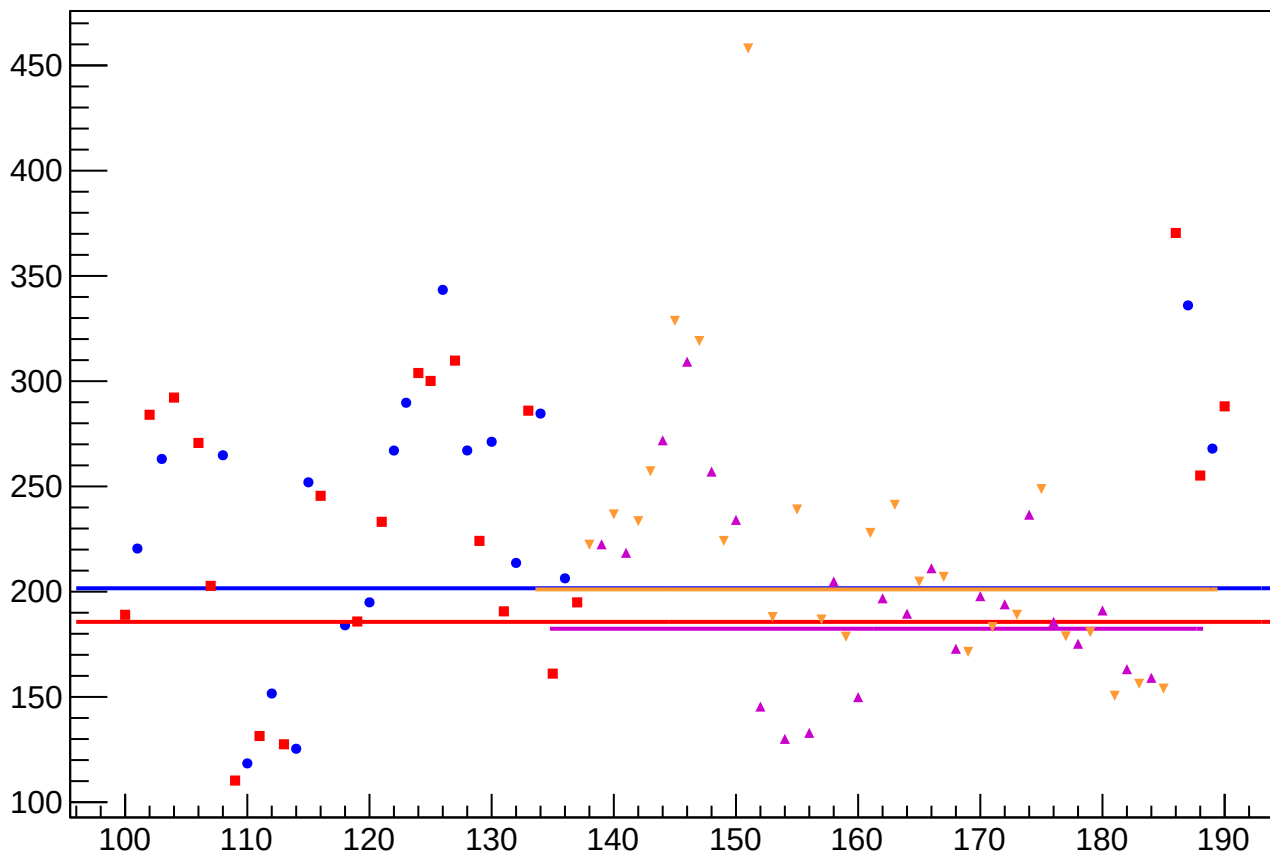
Left In: -39.377 $\pm$ 45.571 χ^2 /NDF: 6.9/22

+ sign 22.551 $\pm$ 41.387 χ^2 /NDF: 17.5/43

All: -4.448 $\pm$ 27.938 χ^2 /NDF: 32.2/88

- sign -27.050 $\pm$ 37.868 χ^2 /NDF: 13.9/44

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 201.622 ± 0.056 $\chi^2/\text{NDF}: 1076068.3/18$

Left Out: 201.091 ± 0.034 $\chi^2/\text{NDF}: 1731069.1/24$

Right Out: 185.655 ± 0.048 $\chi^2/\text{NDF}: 1957865.2/21$

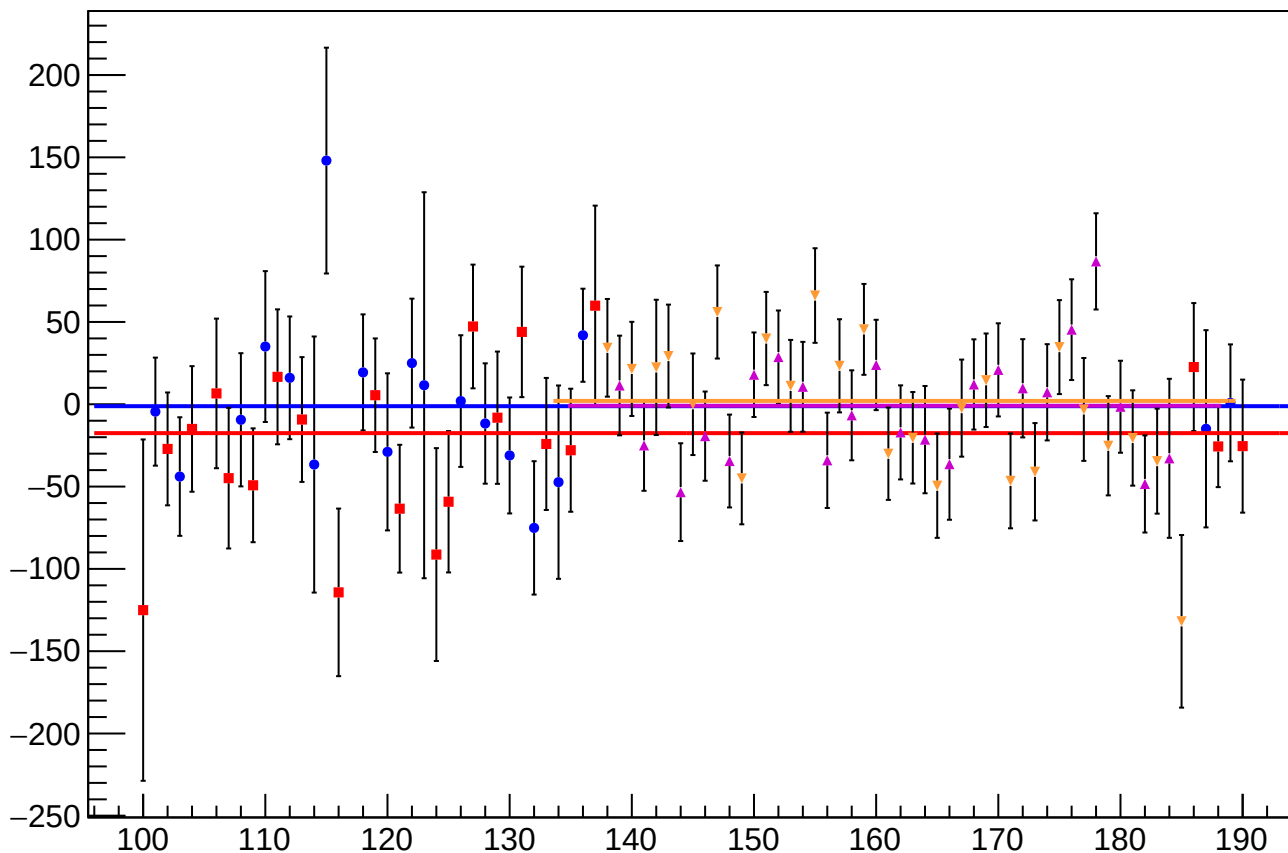
Left In: 182.396 ± 0.032 $\chi^2/\text{NDF}: 1548907.7/22$

+ sign 201.235 ± 0.029 $\chi^2/\text{NDF}: 2807202.5/43$

All: 191.530 ± 0.020 $\chi^2/\text{NDF}: 6519201.9/88$

- sign 183.405 ± 0.027 $\chi^2/\text{NDF}: 3509938.7/44$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.169 ± 9.426 χ^2/NDF : 15.5/18

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -17.534 ± 8.468 χ^2/NDF : 19.5/21

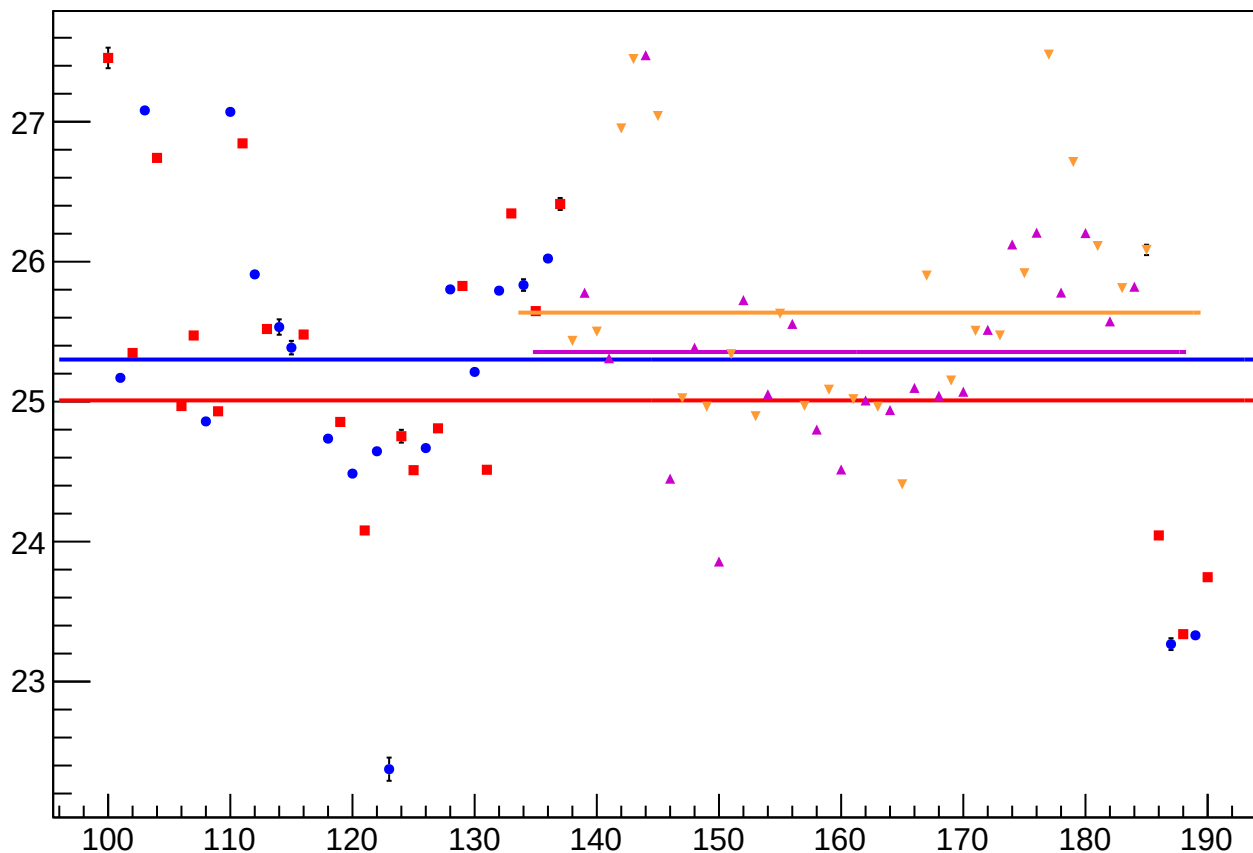
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 1.131 ± 5.044 χ^2/NDF : 55.0/43

All: -2.792 ± 3.527 χ^2/NDF : 105.3/88

- sign -6.546 ± 4.933 χ^2/NDF : 49.1/44

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.301 $\pm$ 0.007 χ^2 /NDF: 22711.3/18

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 25.009 $\pm$ 0.006 χ^2 /NDF: 29099.5/21

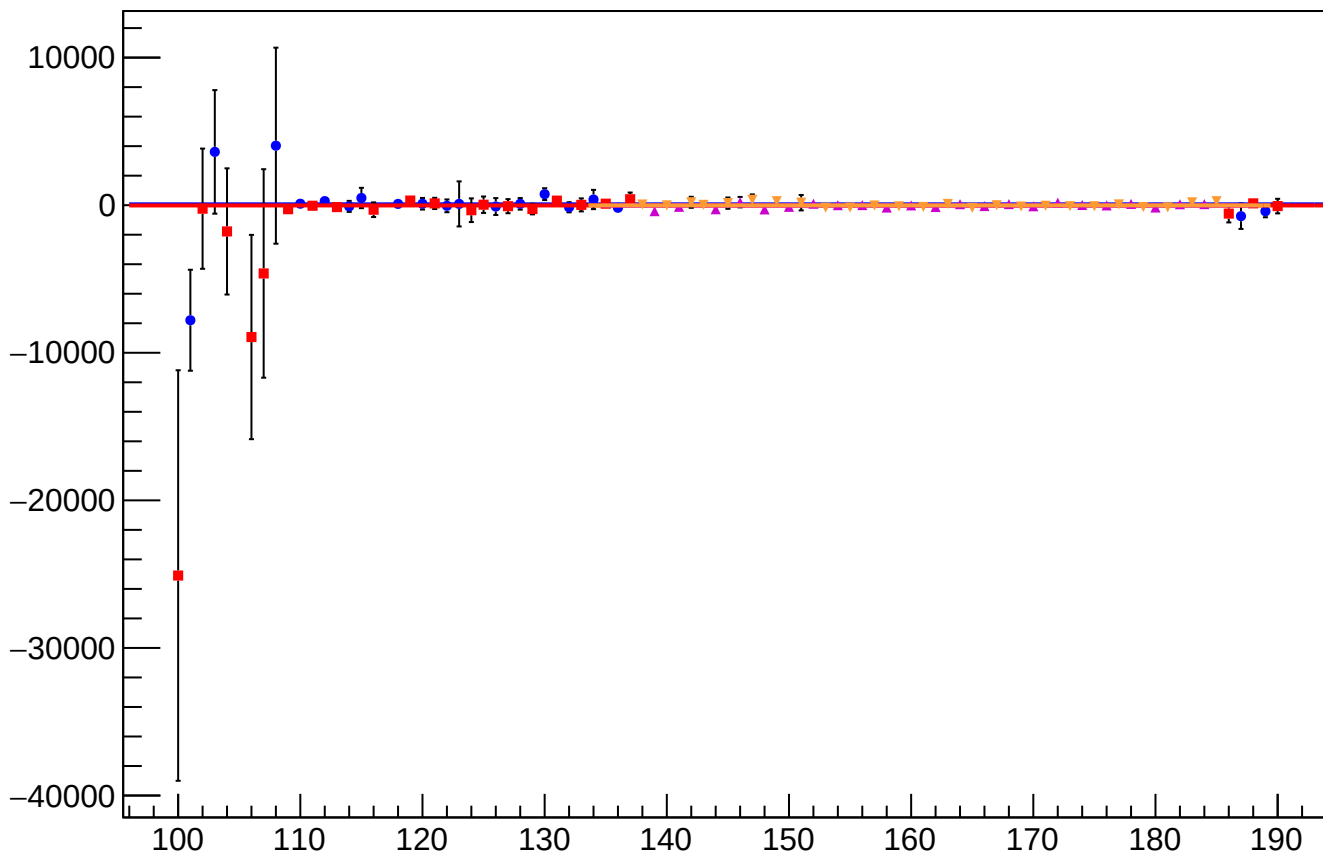
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.540 $\pm$ 0.004 χ^2 /NDF: 59646.8/43

All: 25.385 $\pm$ 0.002 χ^2 /NDF: 124400.5/88

- sign 25.237 $\pm$ 0.003 χ^2 /NDF: 61069.9/44

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 57.833+/-86.302 χ^2/NDF : 14.8/18

Left Out: -12.820+/-48.216 χ^2/NDF : 7.9/24

Right Out: -18.151+/-76.032 χ^2/NDF : 13.1/21

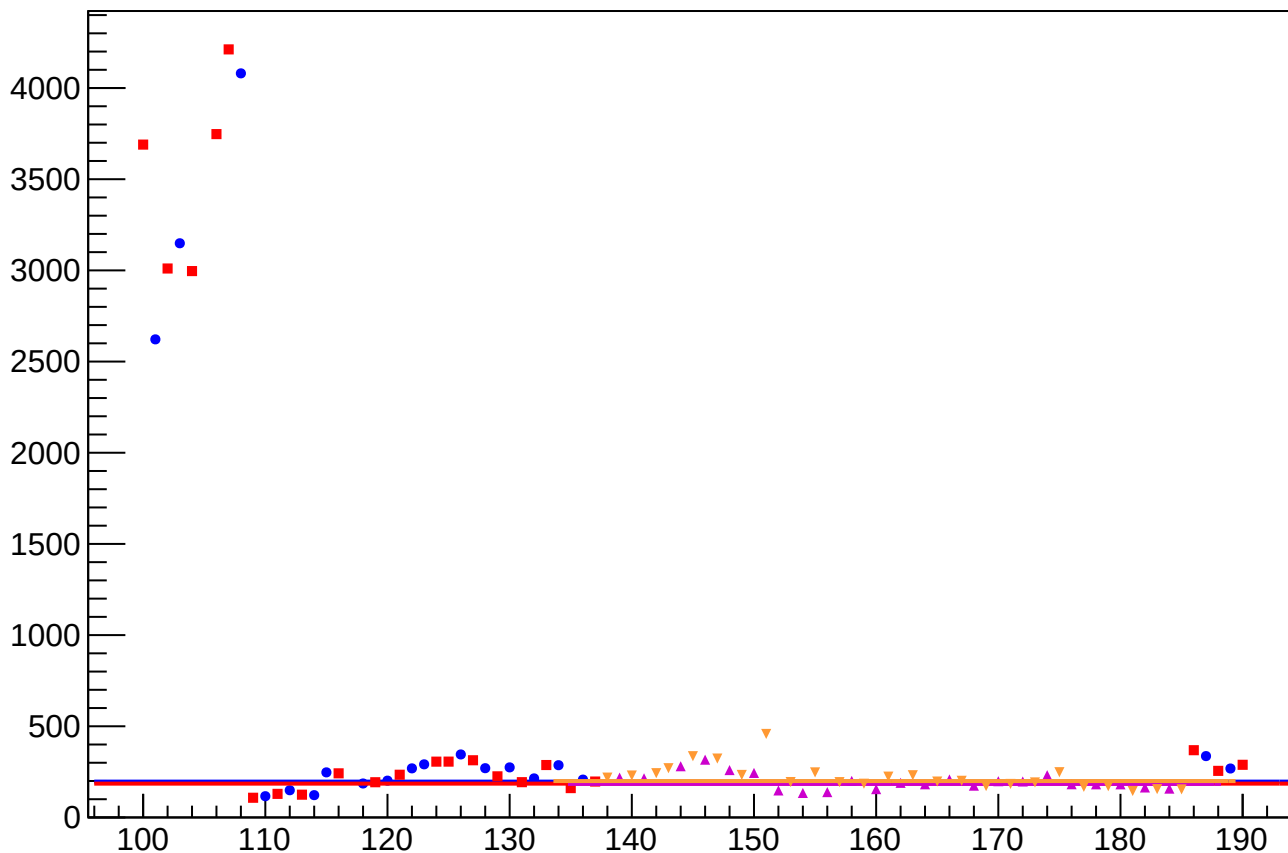
Left In: -26.836+/-45.876 χ^2/NDF : 7.5/22

+ sign 3.987+/-42.092 χ^2/NDF : 23.2/43

All: -11.250+/-28.718 χ^2/NDF : 44.1/88

- sign -24.518+/-39.280 χ^2/NDF : 20.6/44

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.531 $\pm$ 0.061 χ^2 /NDF: 3695241.8/18

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 185.456 $\pm$ 0.054 χ^2 /NDF: 4656590.3/21

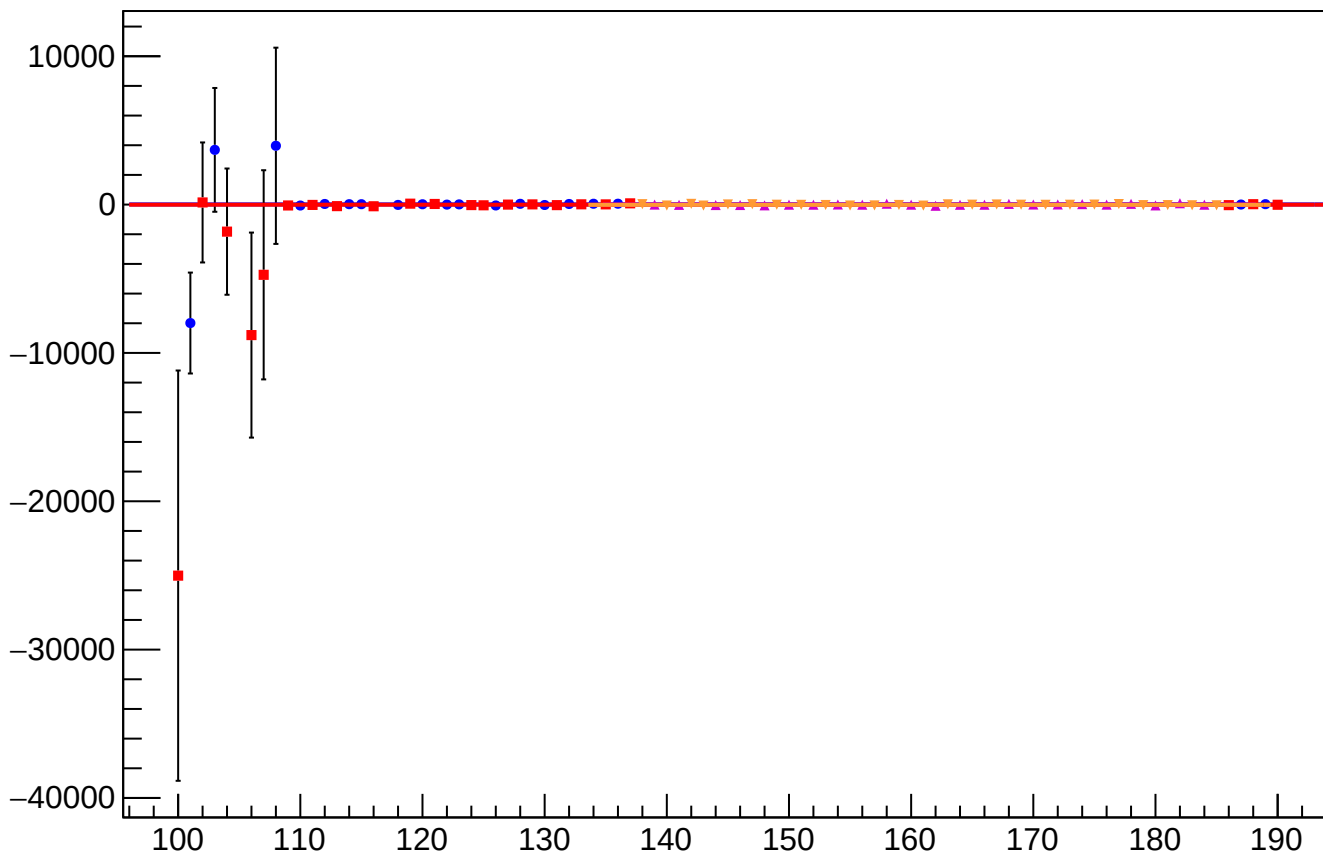
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 198.821 $\pm$ 0.030 χ^2 /NDF: 5577637.9/43

All: 191.119 $\pm$ 0.020 χ^2 /NDF: 11783470.8/88

- sign 184.412 $\pm$ 0.028 χ^2 /NDF: 6080559.5/44

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



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: -8.069+/-10.785 χ^2/NDF : 26.0/21

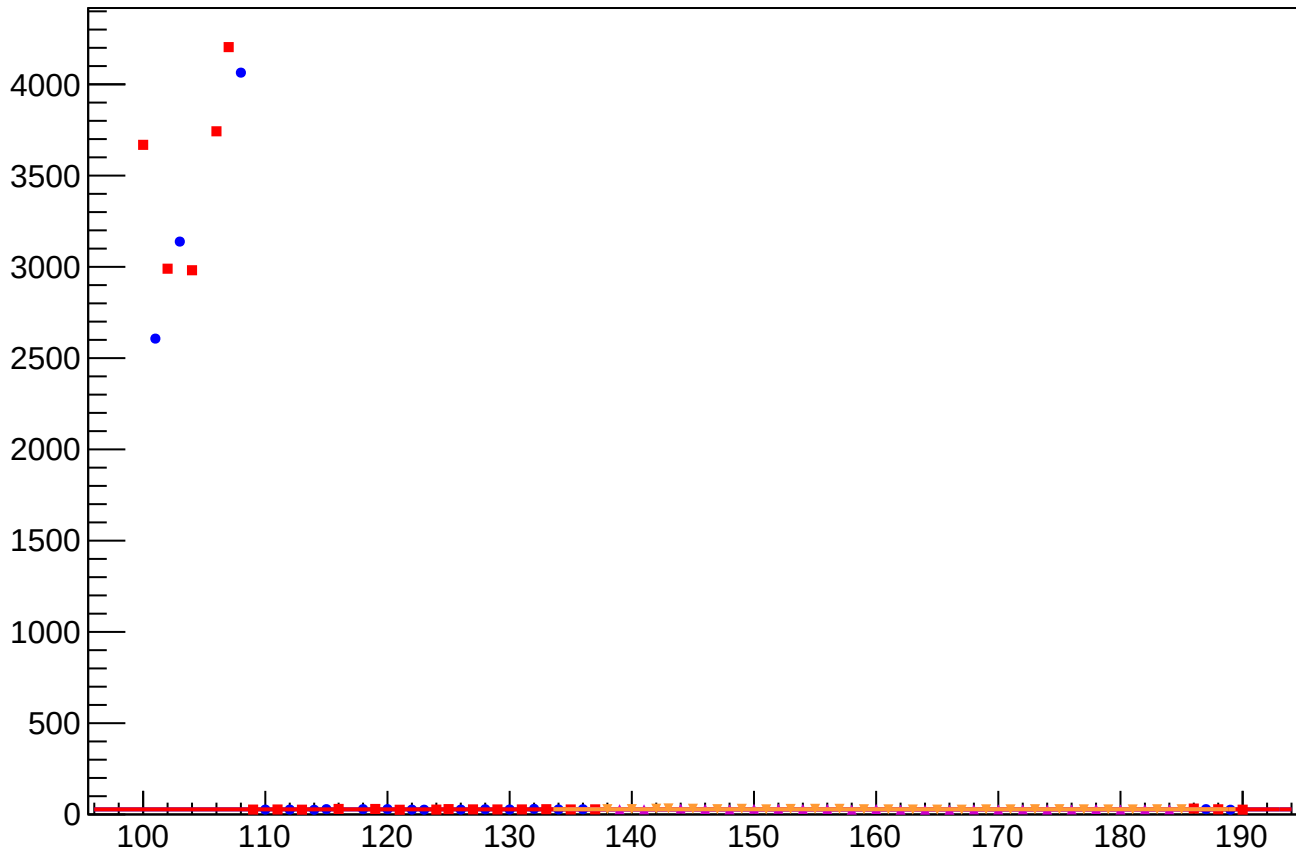
Left In: -1.038+/-6.880 χ^2/NDF : 32.4/22

+ sign -10.221+/-5.800 χ^2/NDF : 46.3/43

All: -6.646+/-4.101 χ^2/NDF : 105.8/88

- sign -3.071+/-5.801 χ^2/NDF : 58.7/44

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.733 $\pm$ 0.008 χ^2 /NDF: 3032863.2/18

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.885 $\pm$ 0.008 χ^2 /NDF: 3494294.3/21

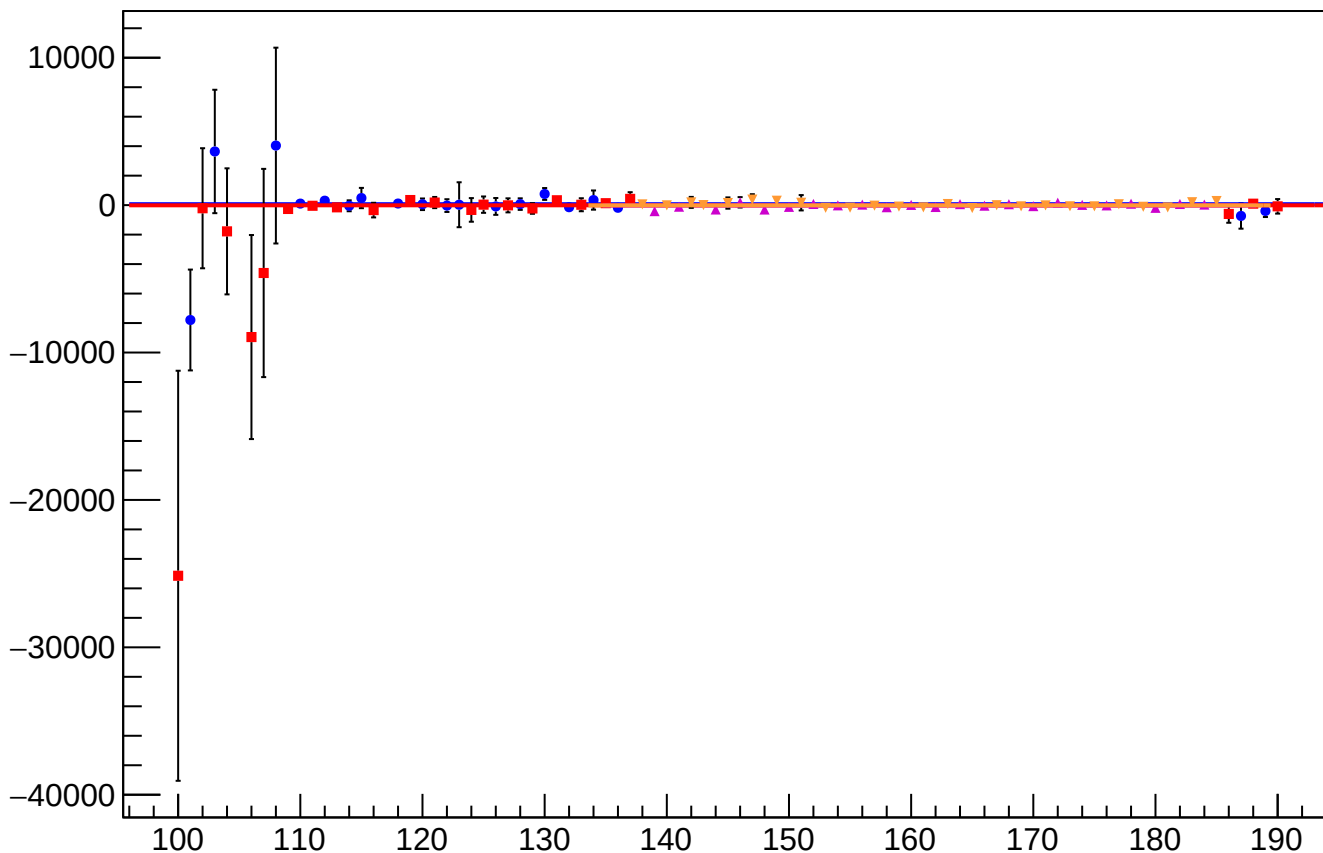
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.452 $\pm$ 0.004 χ^2 /NDF: 3153542.9/43

All: 28.449 $\pm$ 0.003 χ^2 /NDF: 6780172.8/88

- sign 28.445 $\pm$ 0.004 χ^2 /NDF: 3626628.3/44

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 63.840+/-86.038 χ^2/NDF : 15.0/18

Left Out: -15.483+/-48.109 χ^2/NDF : 8.7/24

Right Out: -12.378+/-75.816 χ^2/NDF : 13.9/21

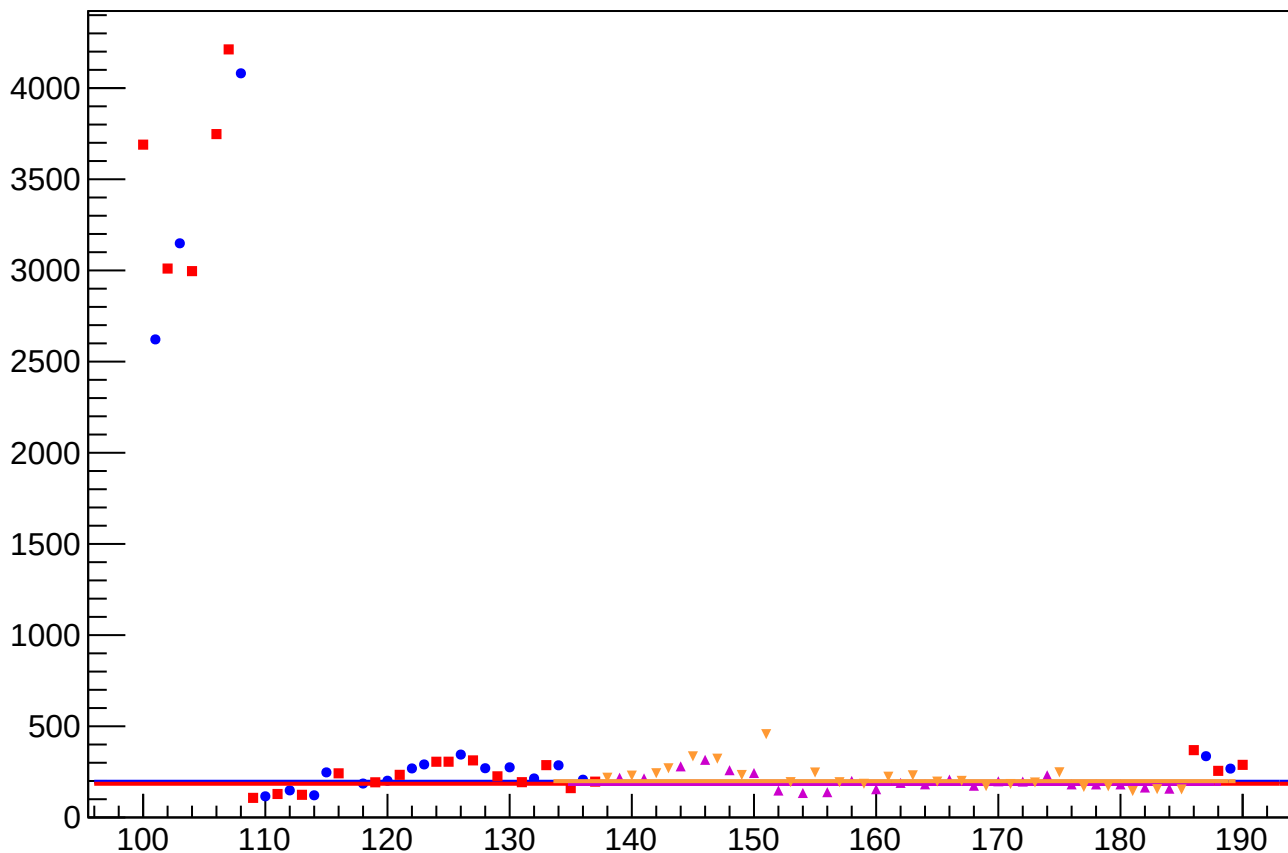
Left In: -27.009+/-45.785 χ^2/NDF : 7.8/22

+ sign 3.411+/-41.990 χ^2/NDF : 24.3/43

All: -10.757+/-28.651 χ^2/NDF : 46.3/88

- sign -23.099+/-39.193 χ^2/NDF : 21.8/44

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.815 $\pm$ 0.061 χ^2 /NDF: 3708052.3/18

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 184.801 $\pm$ 0.054 χ^2 /NDF: 4673506.3/21

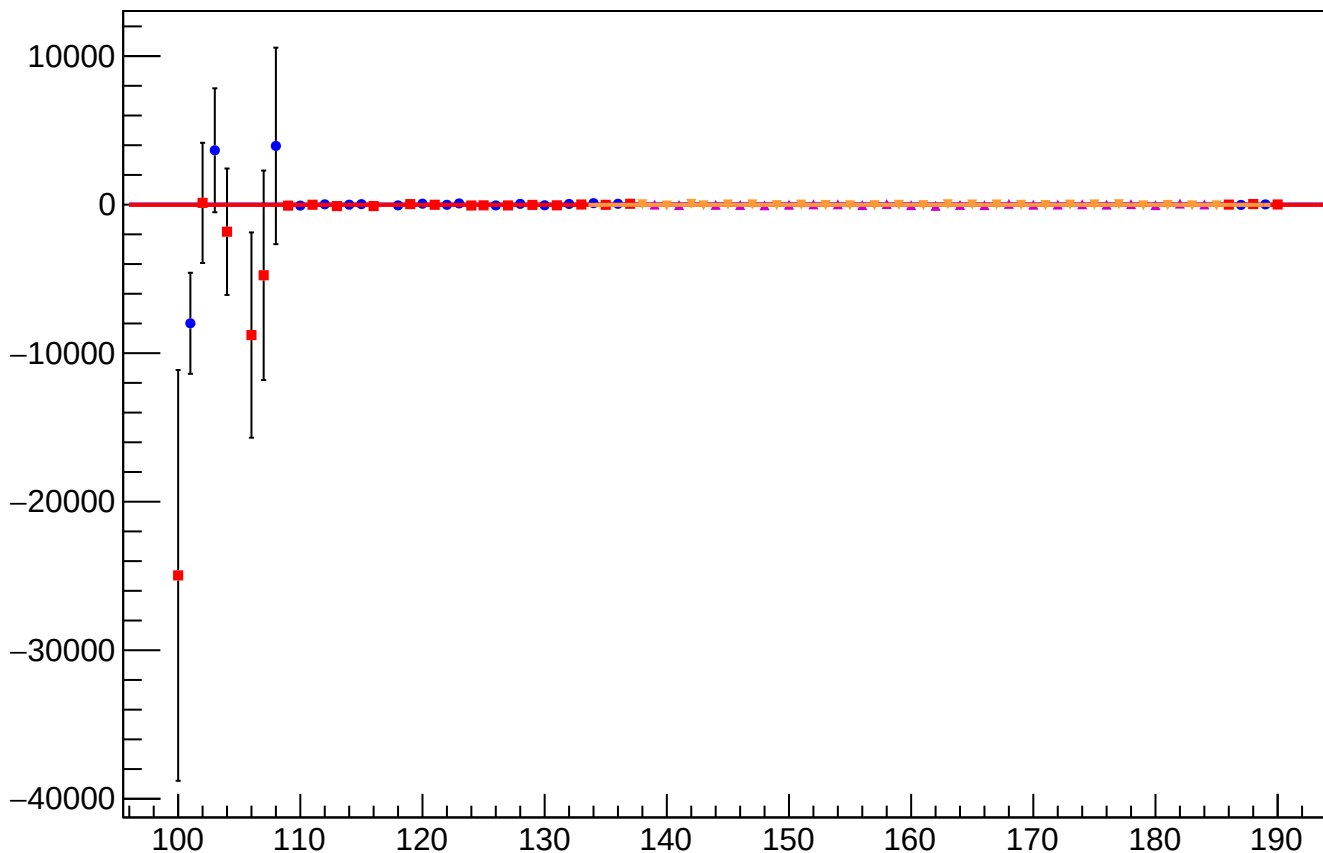
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 198.313 $\pm$ 0.030 χ^2 /NDF: 5590608.2/43

All: 190.648 $\pm$ 0.020 χ^2 /NDF: 11812041.5/80

- sign 183.970 $\pm$ 0.028 χ^2 /NDF: 6096729.7/44

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.055 ± 11.683 χ^2/NDF : 23.0/18

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -15.769 ± 10.832 χ^2/NDF : 21.4/21

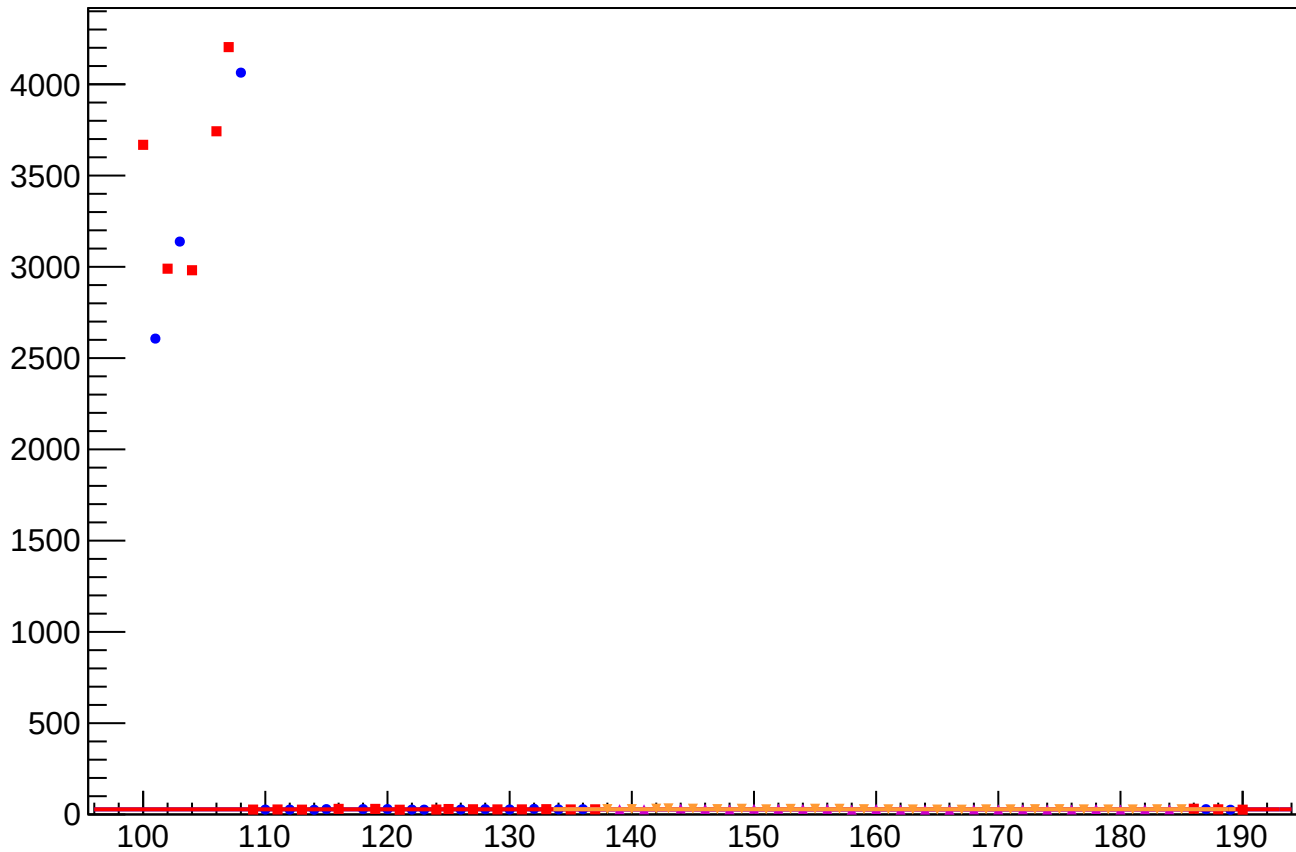
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -9.269 ± 5.827 χ^2/NDF : 43.4/43

All: -6.664 ± 4.120 χ^2/NDF : 93.2/88

- sign -4.061 ± 5.825 χ^2/NDF : 49.4/44

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



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: 28.007 $\pm$ 0.008 χ^2 /NDF: 3491945.4/21

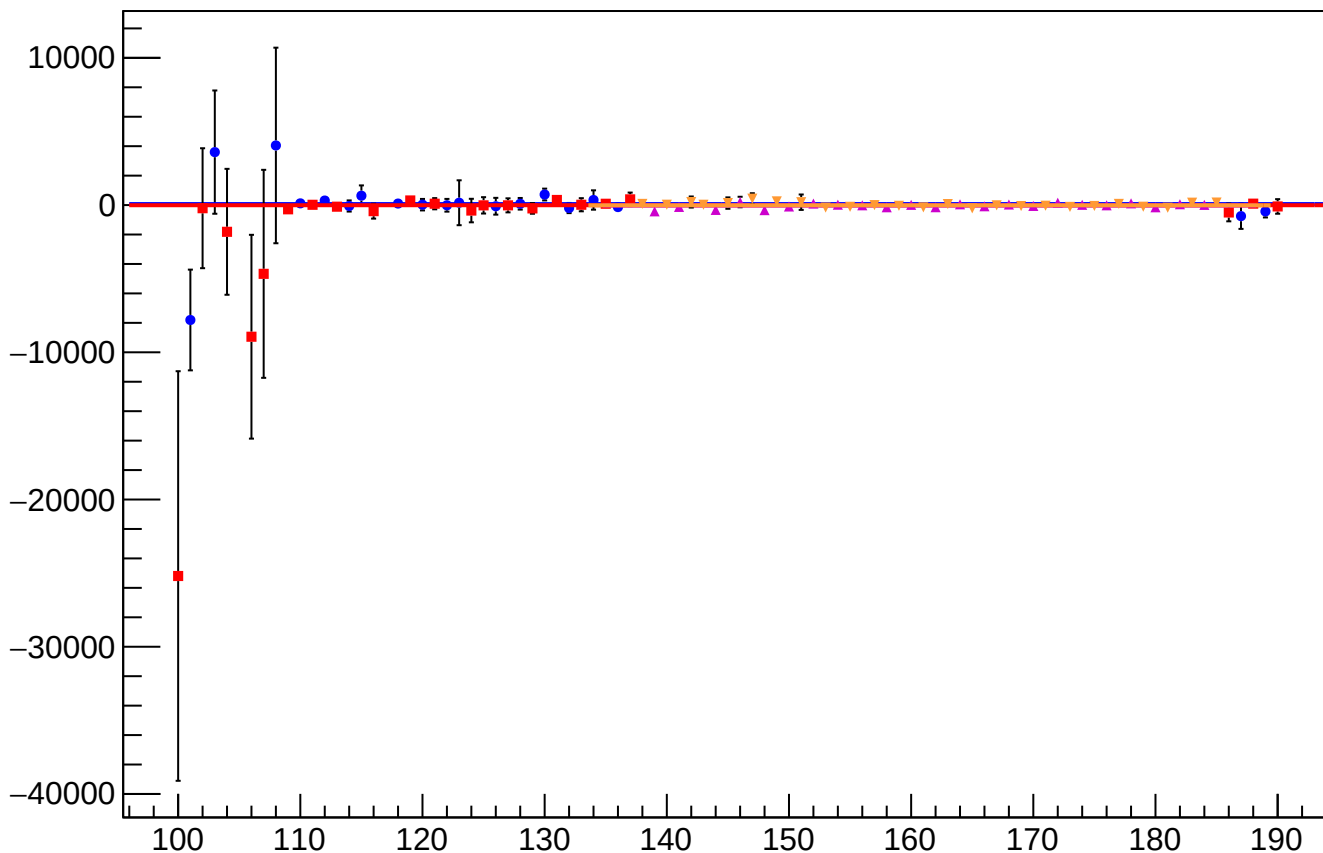
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.580 $\pm$ 0.004 χ^2 /NDF: 3166316.4/43

All: 28.573 $\pm$ 0.003 χ^2 /NDF: 6795143.6/88

- sign 28.565 $\pm$ 0.004 χ^2 /NDF: 3628820.3/44

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



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: -10.236+/-76.753 χ^2/NDF : 13.2/21

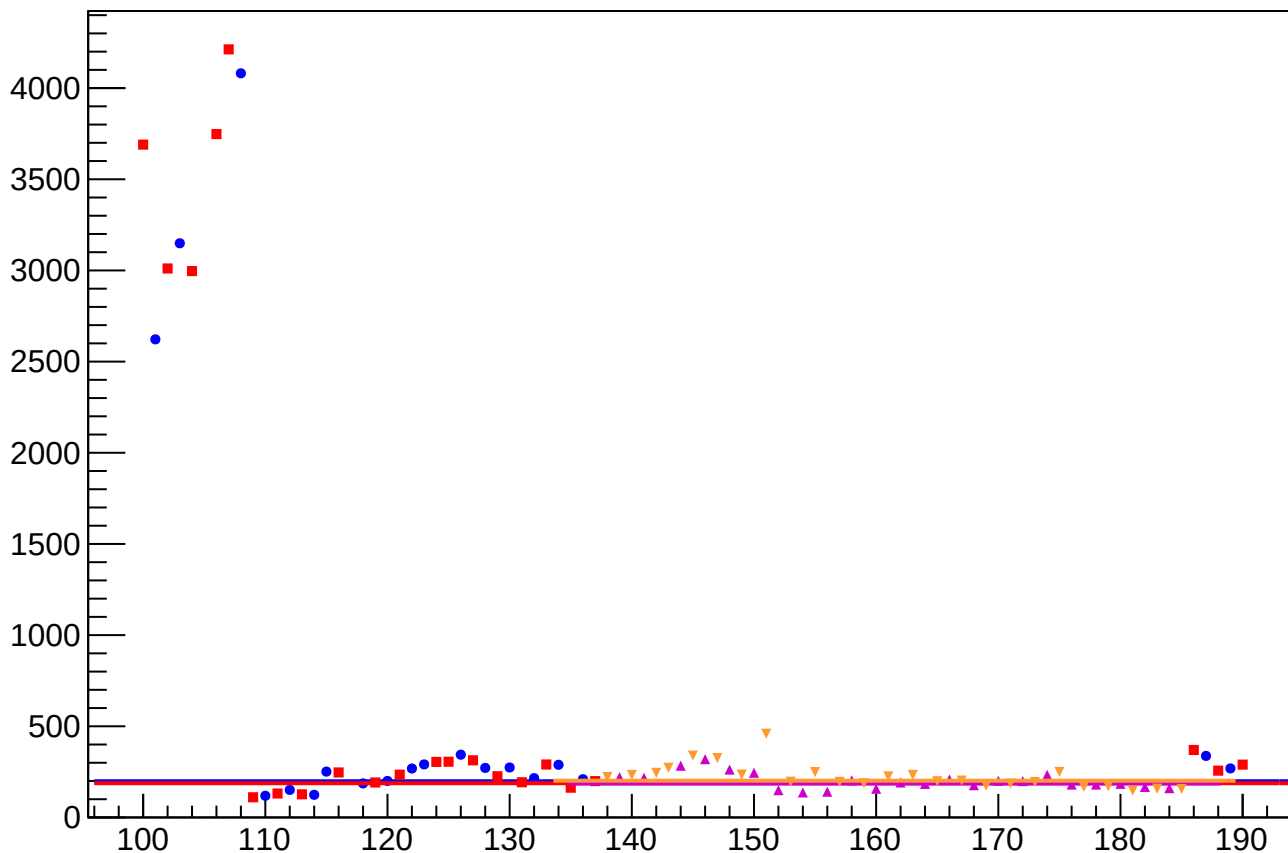
Left In: -31.170+/-46.359 χ^2/NDF : 8.2/22

+ sign 4.259+/-42.491 χ^2/NDF : 23.7/43

All: -11.676+/-29.002 χ^2/NDF : 45.4/88

- sign -25.574+/-39.682 χ^2/NDF : 21.4/44

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 198.551 $\pm$ 0.062 χ^2 /NDF: 3655428.7/18

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF:1857453.2/24

Right Out: 187.675 $\pm$ 0.054 χ^2 /NDF: 4603461.2/21

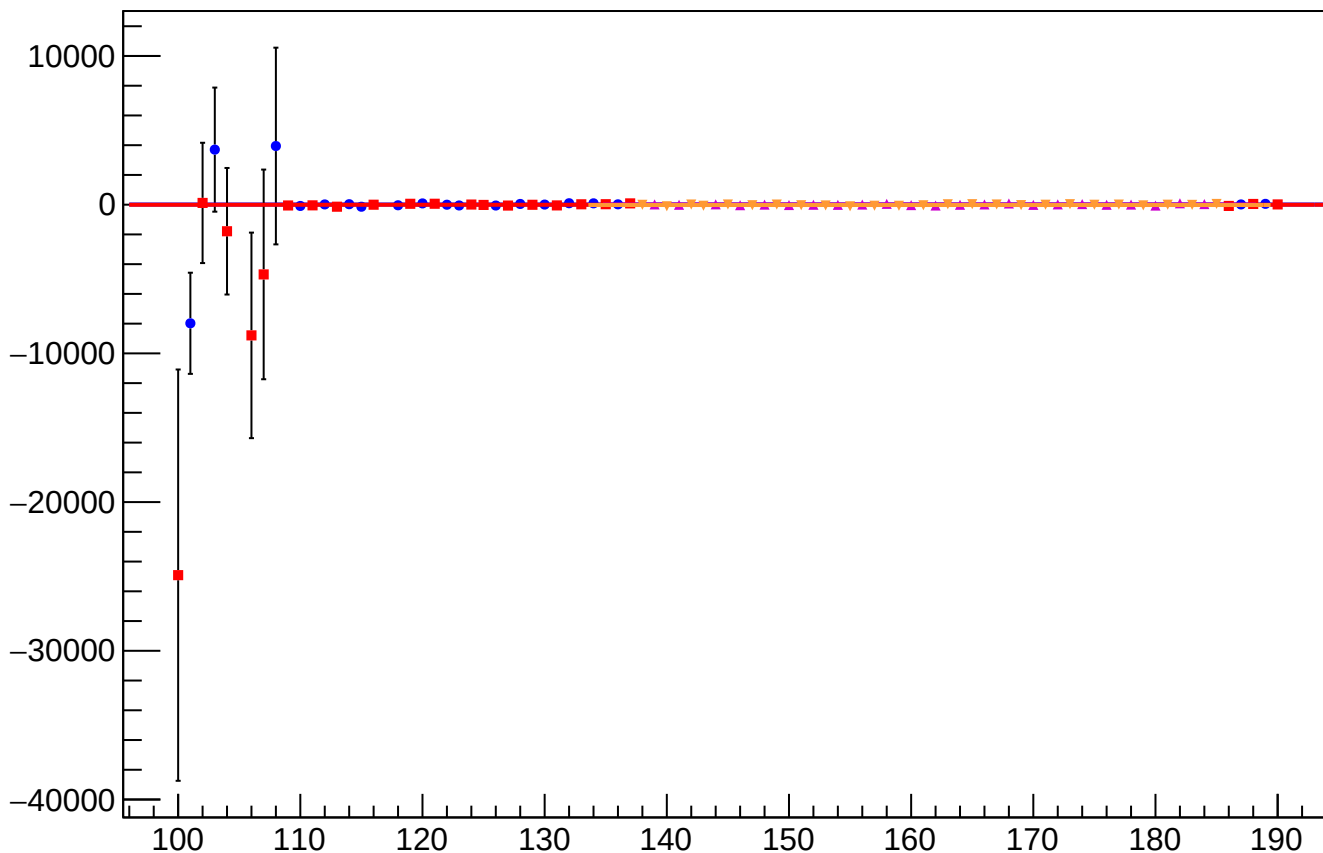
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 200.873 $\pm$ 0.030 χ^2 /NDF: 5514751.6/43

All: 193.210 $\pm$ 0.021 χ^2 /NDF: 11631944.4/88

- sign 186.526 $\pm$ 0.028 χ^2 /NDF: 5995400.3/44

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 11.308+/-14.248 χ^2/NDF : 21.1/18

Left Out: -23.360+/-8.064 χ^2/NDF : 25.8/24

Right Out: -5.547+/-13.155 χ^2/NDF : 25.7/21

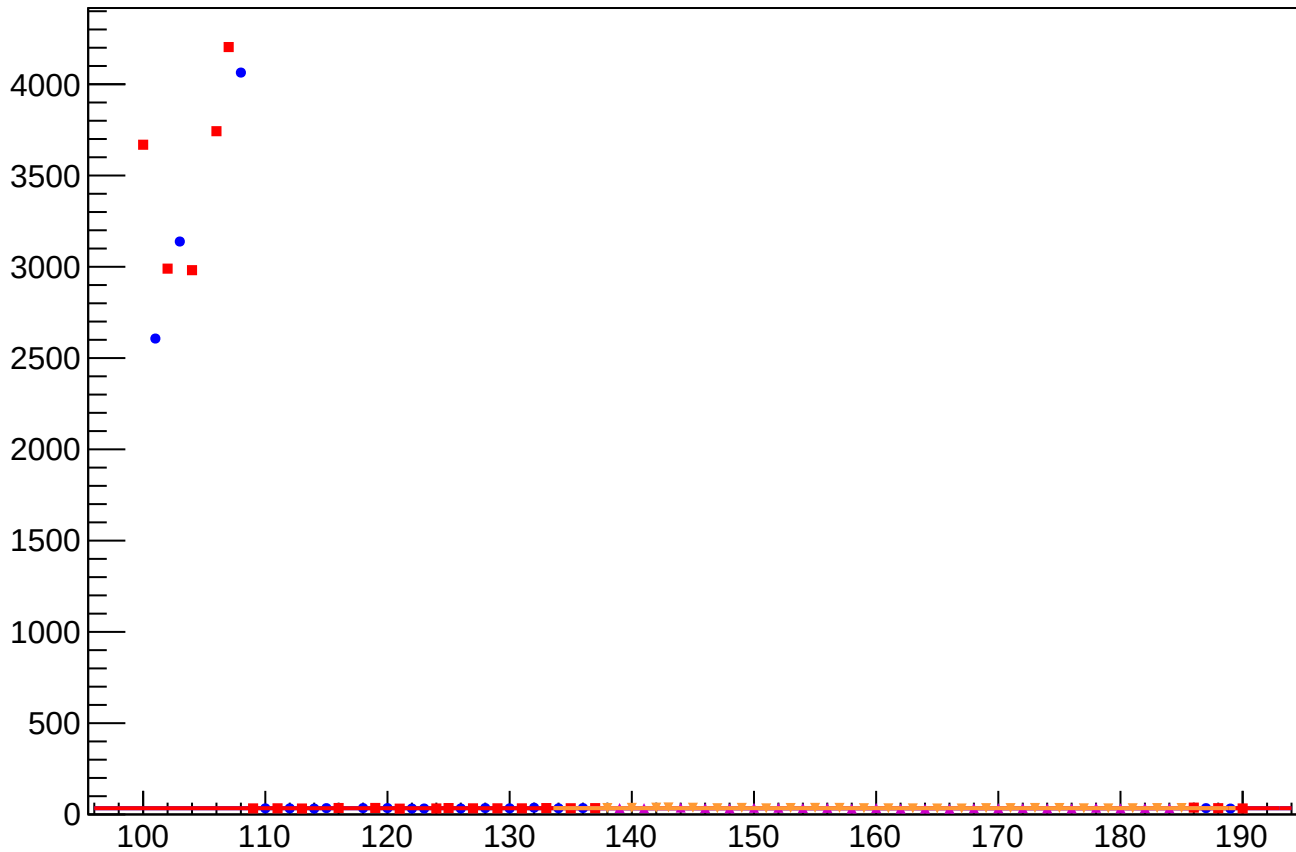
Left In: 6.001+/-8.309 χ^2/NDF : 21.1/22

+ sign -14.948+/-7.018 χ^2/NDF : 51.4/43

All: -6.128+/-4.965 χ^2/NDF : 101.9/88

- sign 2.708+/-7.025 χ^2/NDF : 47.3/44

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.044 $\pm$ 0.010 χ^2 /NDF: 3009304.8/18

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 34.097 $\pm$ 0.009 χ^2 /NDF: 3458961.4/21

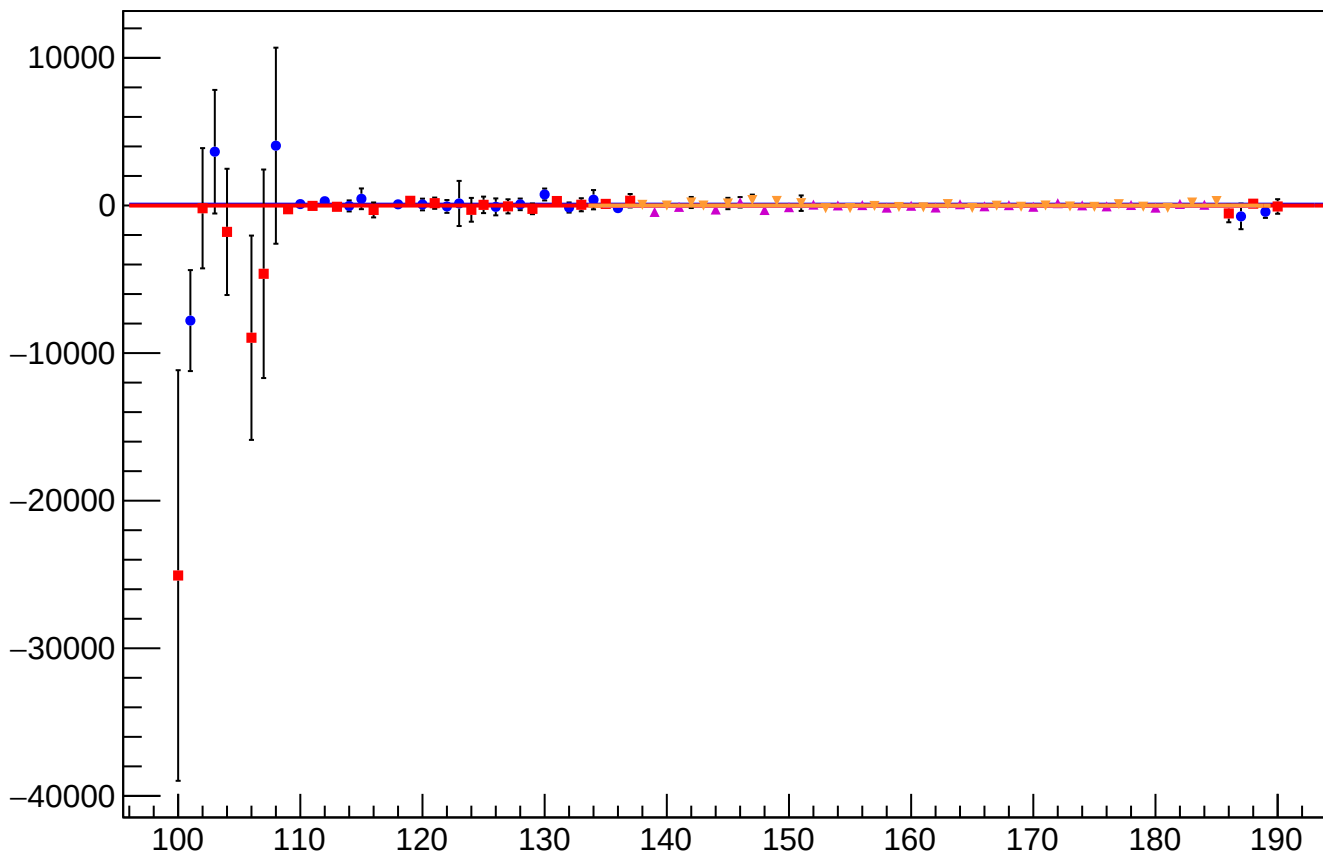
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.476 $\pm$ 0.005 χ^2 /NDF: 3069680.9/43

All: 34.497 $\pm$ 0.004 χ^2 /NDF: 6591847.1/88

- sign 34.517 $\pm$ 0.005 χ^2 /NDF: 3522131.2/44

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



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: -5.220+/-76.294 χ^2/NDF : 12.1/21

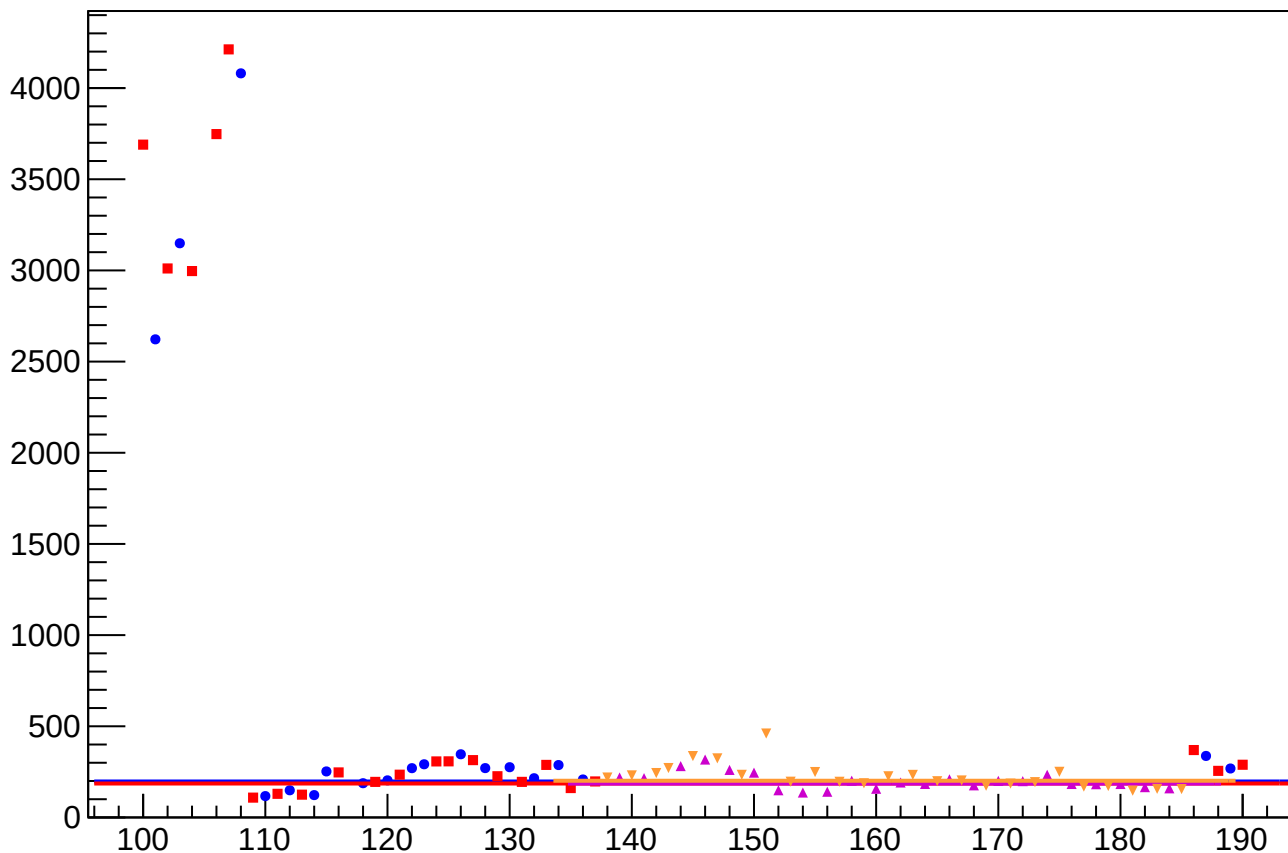
Left In: -34.127+/-46.296 χ^2/NDF : 7.4/22

+ sign 6.616+/-42.393 χ^2/NDF : 23.9/43

All: -10.996+/-28.930 χ^2/NDF : 43.9/88

- sign -26.347+/-39.579 χ^2/NDF : 19.7/44

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



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: 186.130+/-0.054 χ^2/NDF : 4656771.1/21

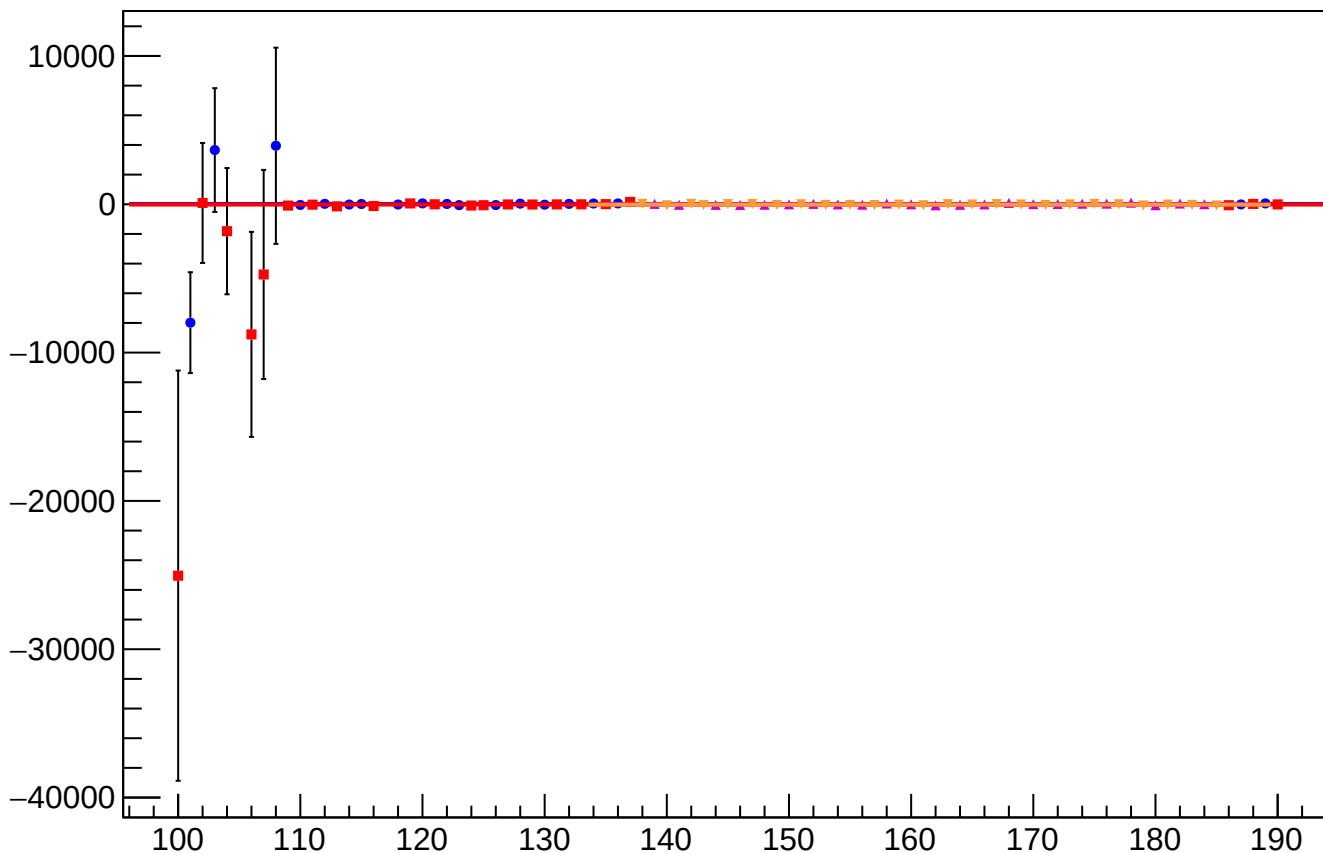
Left In: 185.854+/-0.033 χ^2/NDF : 1381771.9/22

+ sign 200.323+/-0.030 χ^2/NDF : 5550364.2/43

All: 192.632+/-0.020 χ^2/NDF : 11712134.9/86

- sign 185.928+/-0.028 χ^2/NDF : 6038562.1/44

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 15.765+/-12.964 χ^2/NDF : 15.6/18

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -17.152+/-11.977 χ^2/NDF : 30.2/21

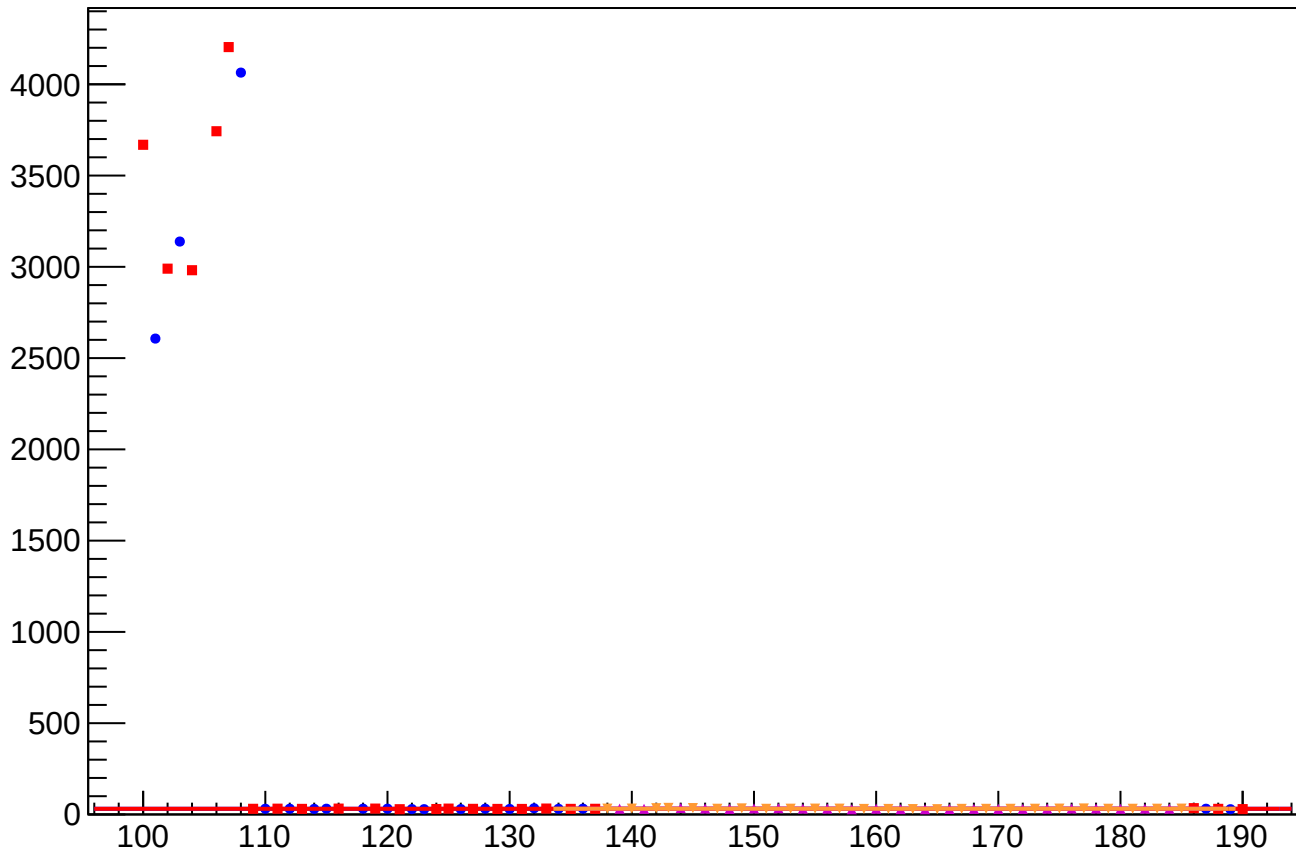
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -13.498+/-6.387 χ^2/NDF : 41.1/43

All: -7.060+/-4.516 χ^2/NDF : 114.4/88

- sign -0.624+/-6.387 χ^2/NDF : 71.2/44

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.971 $\pm$ 0.009 χ^2 /NDF: 3020113.3/18

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 31.007 $\pm$ 0.008 χ^2 /NDF: 3469608.9/21

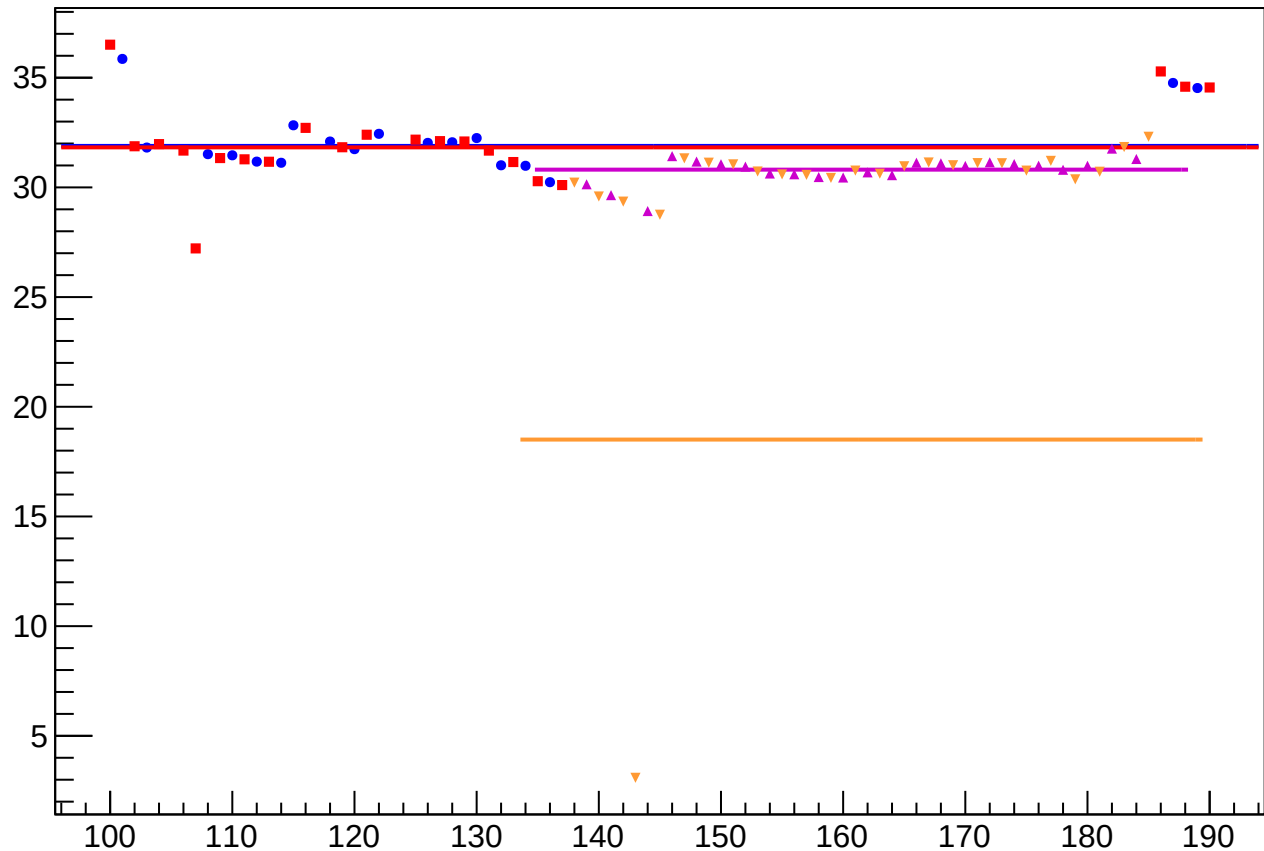
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.358 $\pm$ 0.005 χ^2 /NDF: 3104898.0/43

All: 31.353 $\pm$ 0.003 χ^2 /NDF: 6664763.8/88

- sign 31.349 $\pm$ 0.005 χ^2 /NDF: 3559863.7/44

yield_usl_mean vs Slug



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: 31.824+/-0.000 χ^2/NDF : 1563674406.9/20

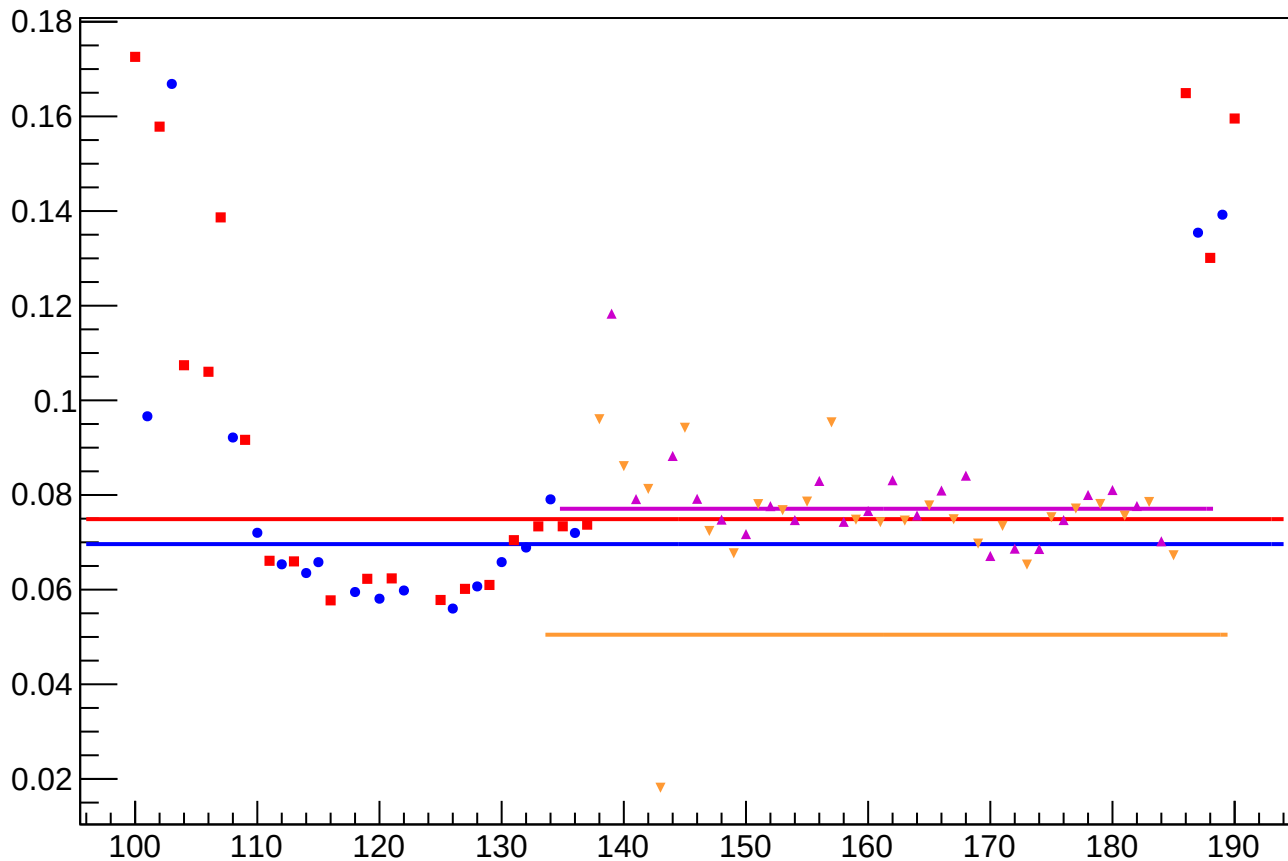
Left In: 30.809+/-0.000 χ^2/NDF : 821961762.3/22

+ sign 21.238+/-0.000 χ^2/NDF : 1123834948354.5/4

All: 25.066+/-0.000 χ^2/NDF : 1363236403690

- sign 31.136+/-0.000 χ^2/NDF : 3269627990.2/43

yield_usl_rms vs Slug



Right In: 0.070 $\pm$ 0.000 χ^2 /NDF: 910263.1/17

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF:8543648.6/24

Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 1613281.1/20

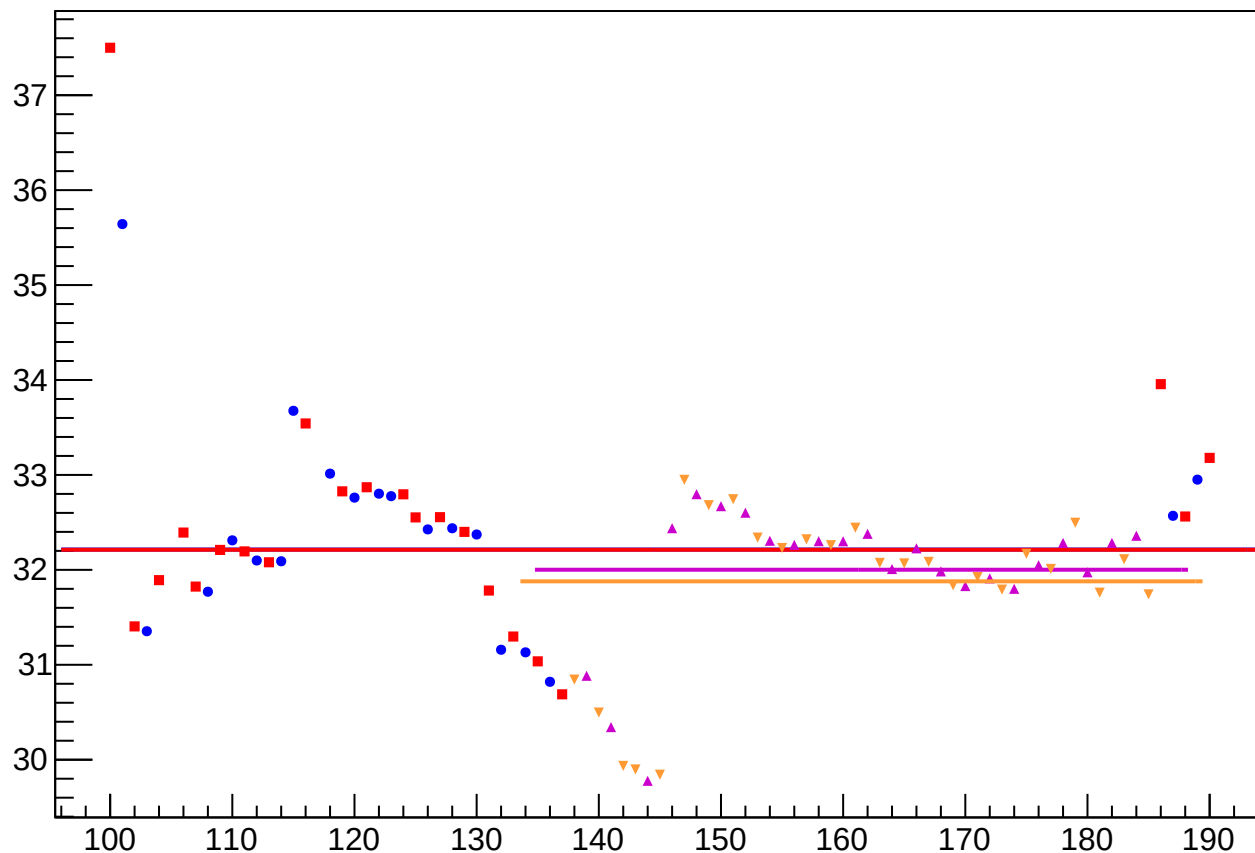
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 10196253.0/42

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 14476533.4/86

- sign 0.076 $\pm$ 0.000 χ^2 /NDF: 1947364.4/43

yield_usr_mean vs Slug



Right In: 32.214+/-0.000 χ^2 /NDF: 1012503660.7/18

Left Out: 31.879+/-0.000 χ^2 /NDF:1976281391.1/24

Right Out: 32.212+/-0.000 χ^2 /NDF: 497629794.2/21

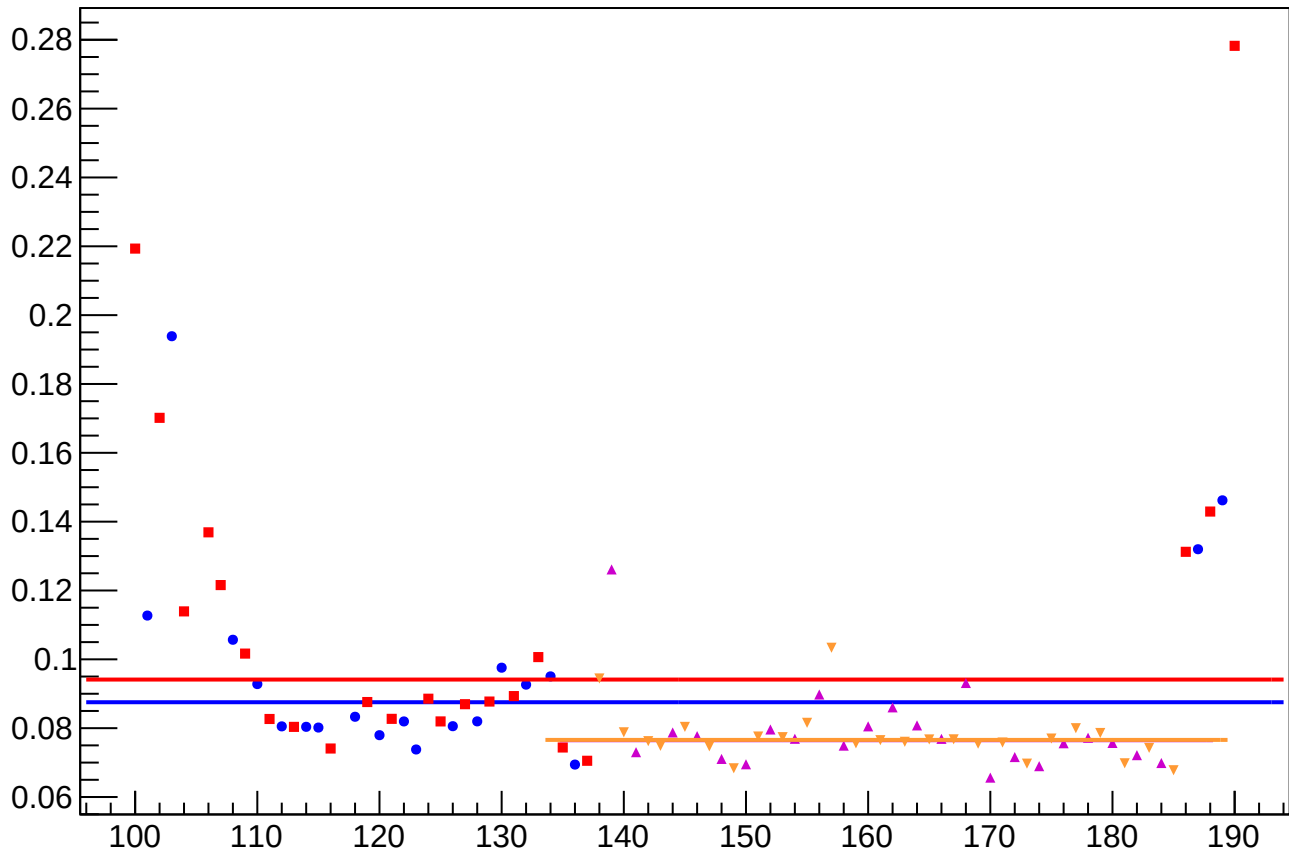
Left In: 32.001+/-0.000 χ^2 /NDF:1411110671.9/22

+ sign 31.953+/-0.000 χ^2 /NDF: 3059695967.1/43

All: 32.001+/-0.000 χ^2 /NDF: 5013837405.8/8

- sign 32.050+/-0.000 χ^2 /NDF: 1936927743.5/44

yield_usr_rms vs Slug



Right In: 0.088 ± 0.000 χ^2/NDF : 707941.5/18

Left Out: 0.077 ± 0.000 χ^2/NDF : 209648.5/24

Right Out: 0.094 ± 0.000 χ^2/NDF : 1112841.7/21

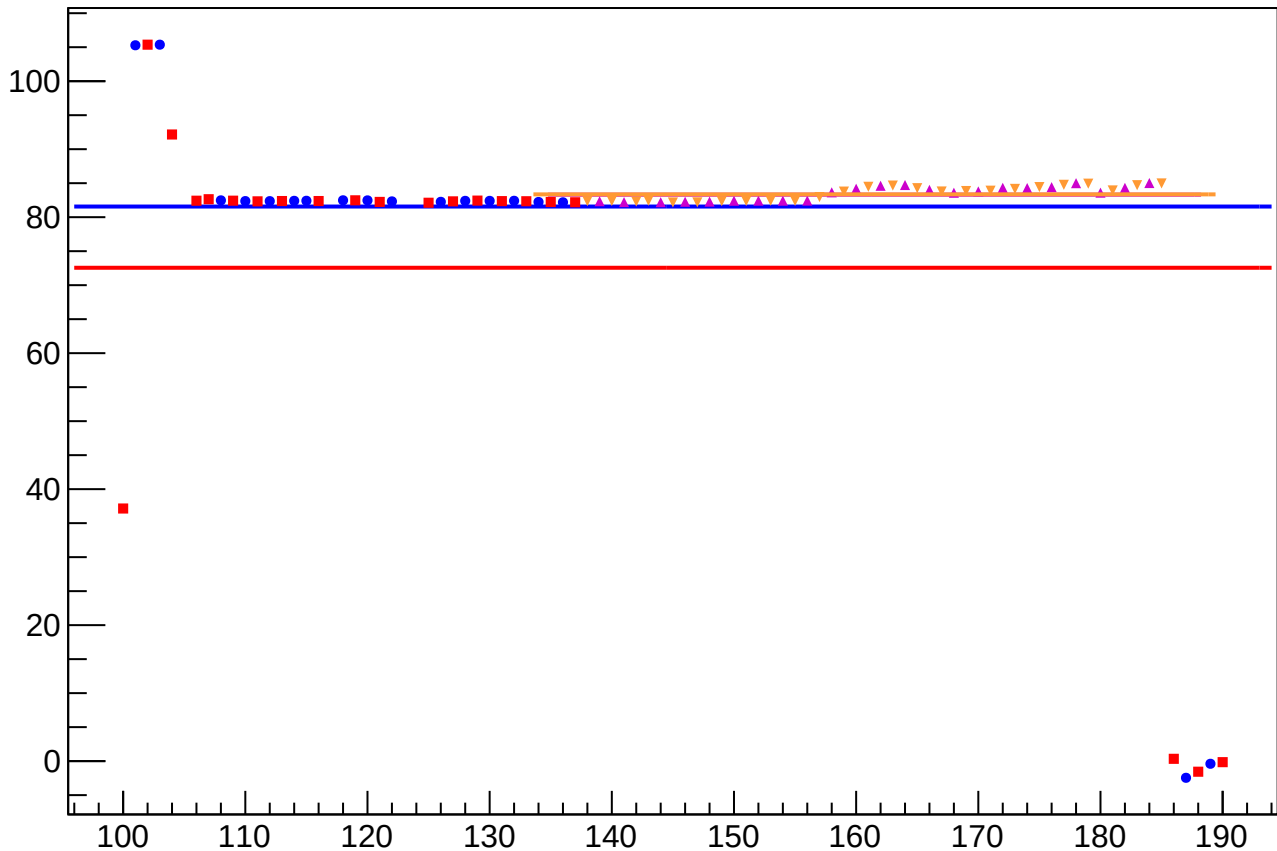
Left In: 0.076 ± 0.000 χ^2/NDF : 432563.3/22

+ sign 0.079 ± 0.000 χ^2/NDF : 1068998.9/43

All: 0.080 ± 0.000 χ^2/NDF : 3019371.2/88

- sign 0.081 ± 0.000 χ^2/NDF : 1941189.6/44

yield_dsl_mean vs Slug



Right In: 81.565 $\pm$ 0.000 χ^2 /NDF: 1901450979326.3/17

Left Out: 83.355 $\pm$ 0.000 χ^2 /NDF: 9142393022.8/24

Right Out: 72.560 $\pm$ 0.000 χ^2 /NDF: 4297447228827.9/20

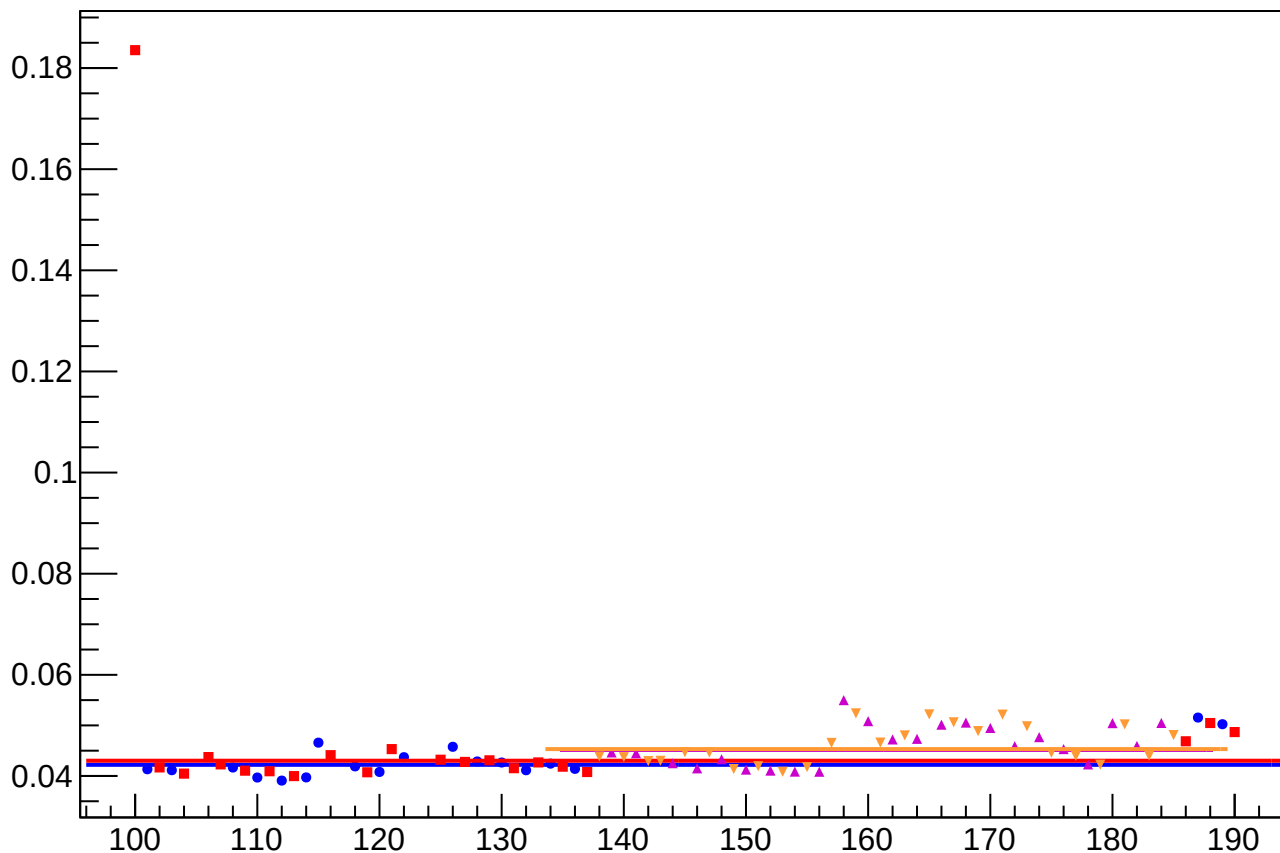
Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22

+ sign 82.793 $\pm$ 0.000 χ^2 /NDF: 1919340307344.1/4

All: 81.139 $\pm$ 0.000 χ^2 /NDF: 6633863765059

- sign 79.509 $\pm$ 0.000 χ^2 /NDF: 4645640226297.0/4

yield_dsl_rms vs Slug



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 : 157558.2/20

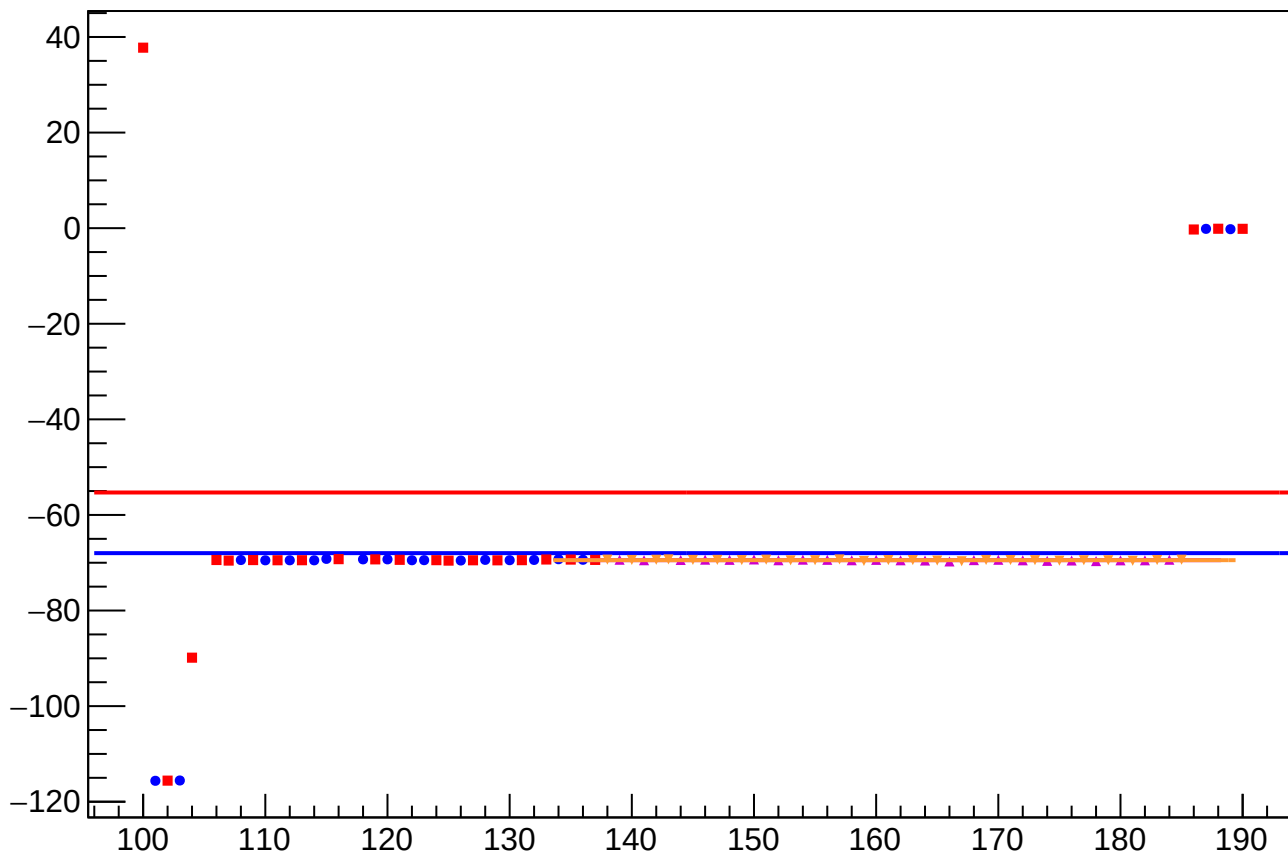
Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

+ sign 0.044+/-0.000 χ^2/NDF : 316841.1/42

All: 0.044+/-0.000 χ^2/NDF : 743912.0/86

- sign 0.044+/-0.000 χ^2/NDF : 427035.7/43

yield_dsr_mean vs Slug



Right In: -67.992+/-0.000 χ^2/NDF : 1901975430878.5/18

Left Out: -69.461+/-0.000 χ^2/NDF : 49572401.9/24

Right Out: -55.303+/-0.000 χ^2/NDF : 3293468697742.5/21

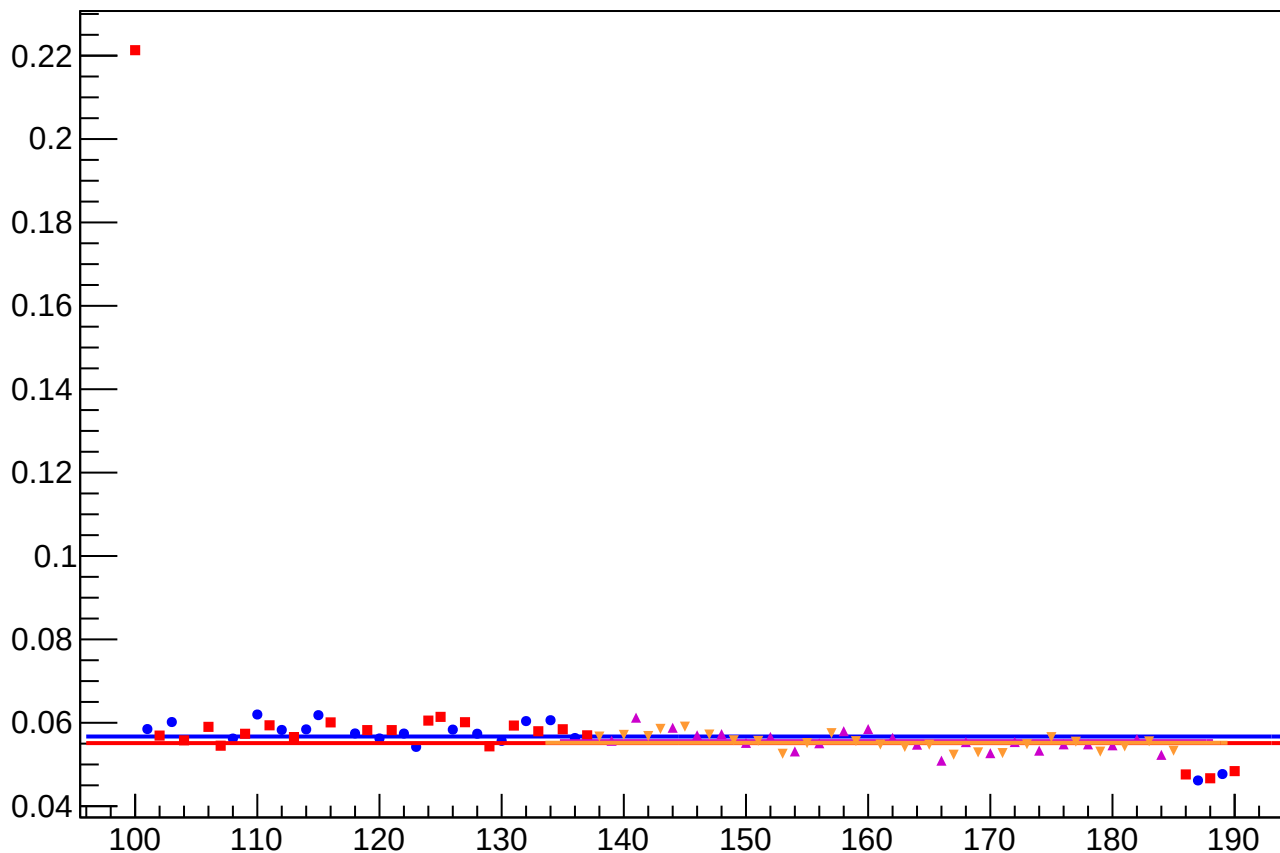
Left In: -69.458+/-0.000 χ^2/NDF : 52798704.3/22

+ sign -69.063+/-0.000 χ^2/NDF : 1905434455014.1/18

All: -66.858+/-0.000 χ^2/NDF : 564218012007.5/18

- sign -64.708+/-0.000 χ^2/NDF : 3659952523758.1/18

yield_dsr_rms vs Slug



Right In: 0.057+/-0.000 χ^2/NDF : 64184.9/18

Left Out: 0.055+/-0.000 χ^2/NDF : 38761.8/24

Right Out: 0.055+/-0.000 χ^2/NDF : 207474.9/21

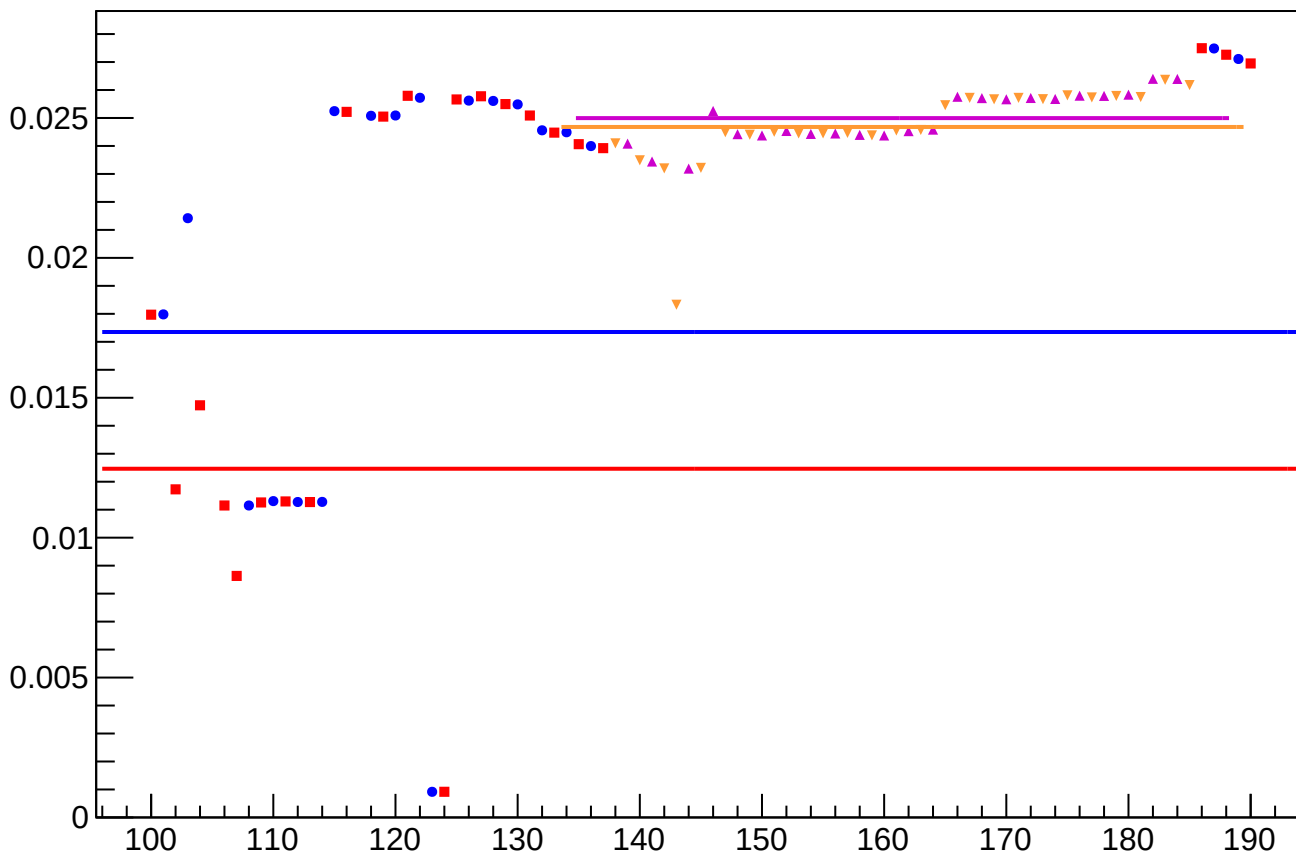
Left In: 0.056+/-0.000 χ^2/NDF : 52190.5/22

+ sign 0.056+/-0.000 χ^2/NDF : 110038.0/43

All: 0.056+/-0.000 χ^2/NDF : 370755.2/88

- sign 0.055+/-0.000 χ^2/NDF : 260460.9/44

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 133706537108.2/18

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 277917099040.0/21

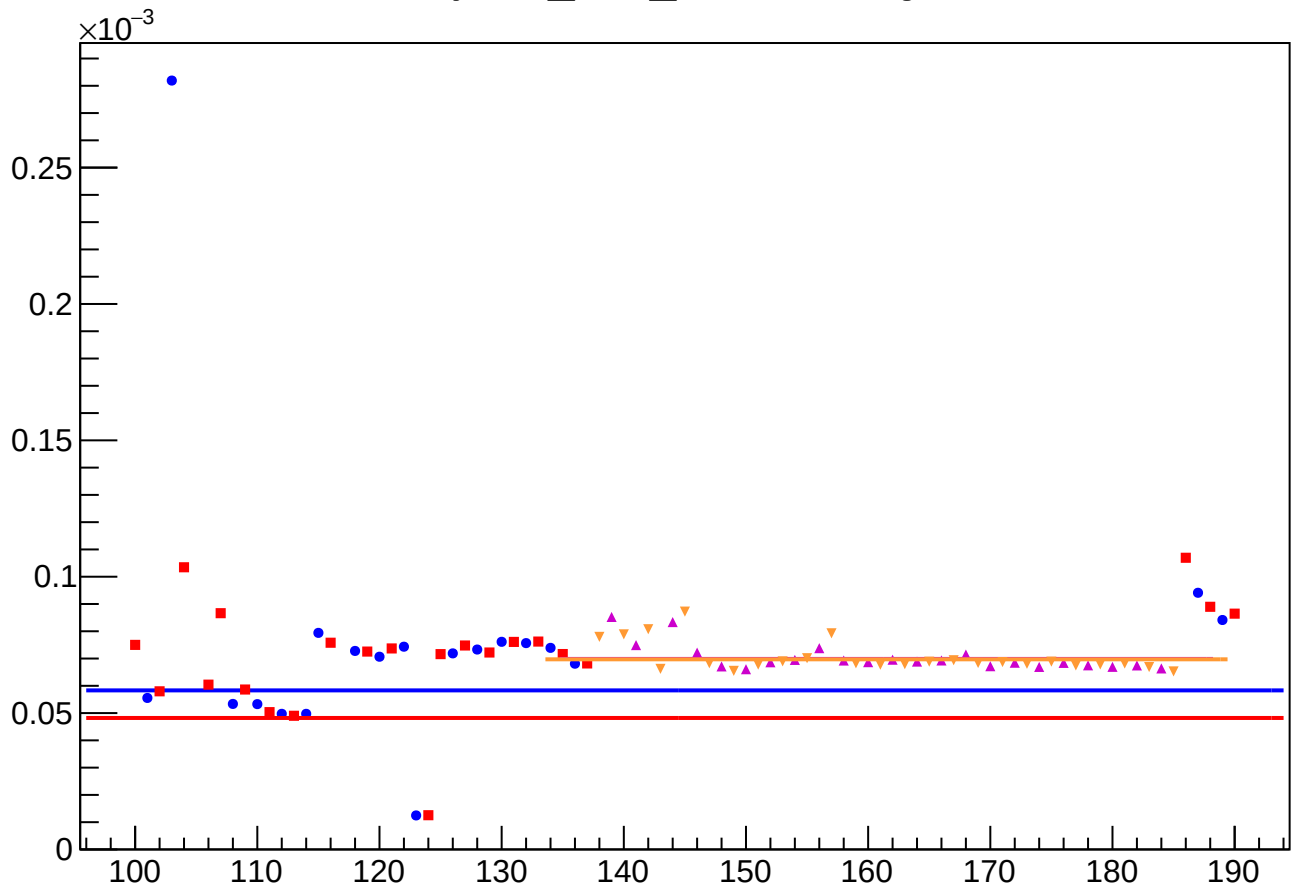
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 207296694388.9/43

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 741696630732.6

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 514323452708.8/44

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2124648.0/18

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:158125.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4372548.7/21

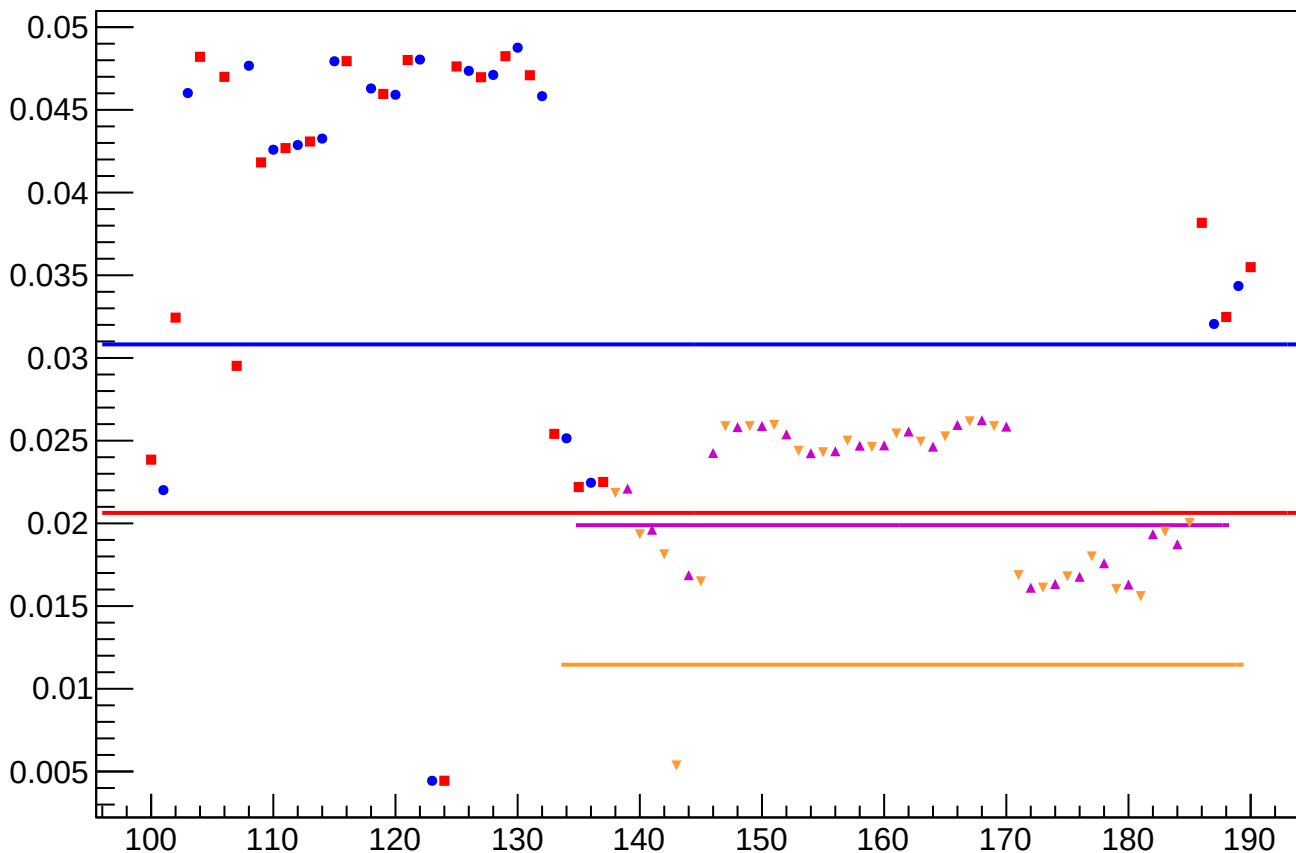
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:129289.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2591783.0/43

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8655602.4/88

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5897639.4/44

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21107654373.1/18

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

+ sign 0.013+/-0.000 χ^2/NDF : 86361416937.8/43

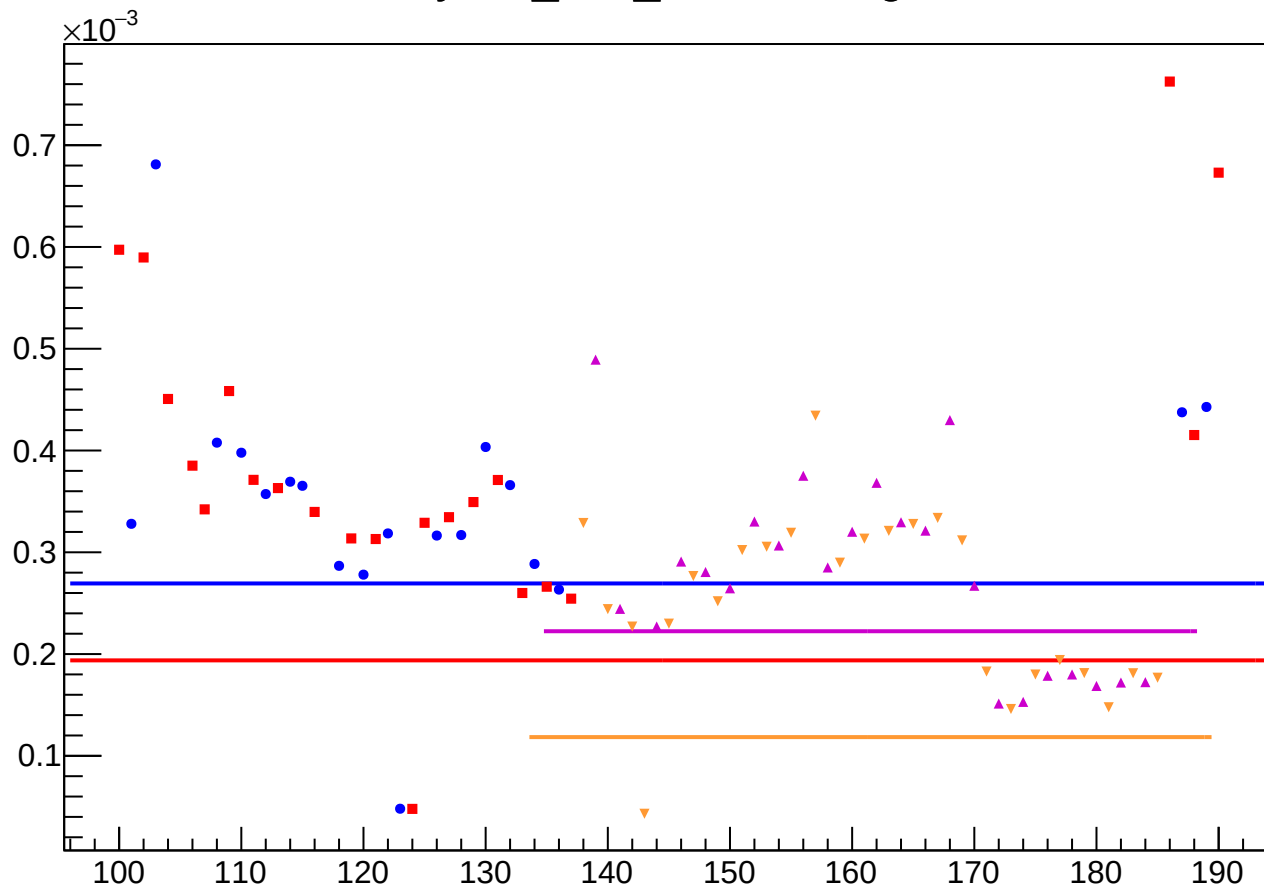
Right Out: 0.021+/-0.000 χ^2/NDF : 40857808668.7/21

All: 0.016+/-0.000 χ^2/NDF : 144527361487.0

- sign 0.020+/-0.000 χ^2/NDF : 45364548153.7/44

Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2556592.3/18

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13563132.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6620441.6/21

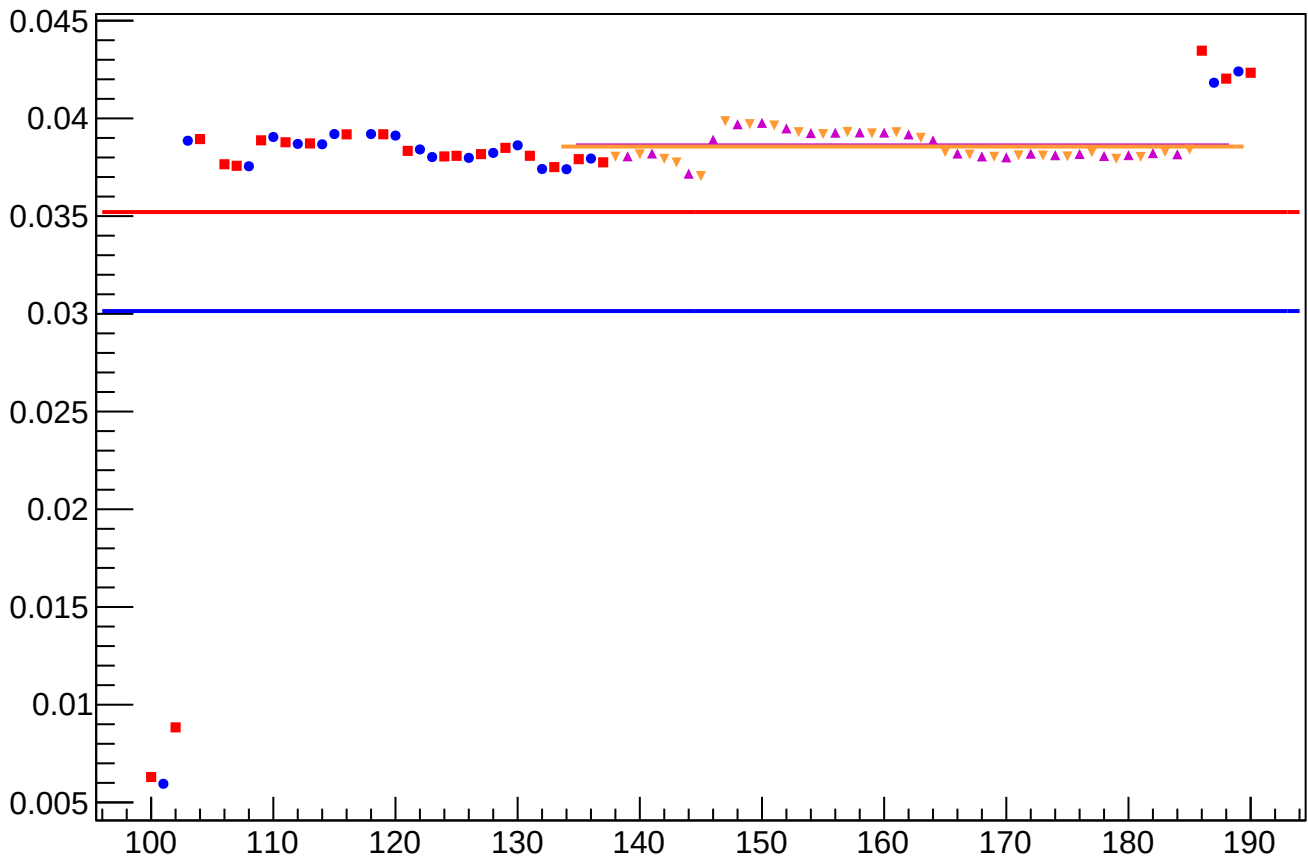
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3281119.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19153464.8/43

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32813668.1/88

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10043797.4/44

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 99050733700.2/18

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 123321666343.3/43

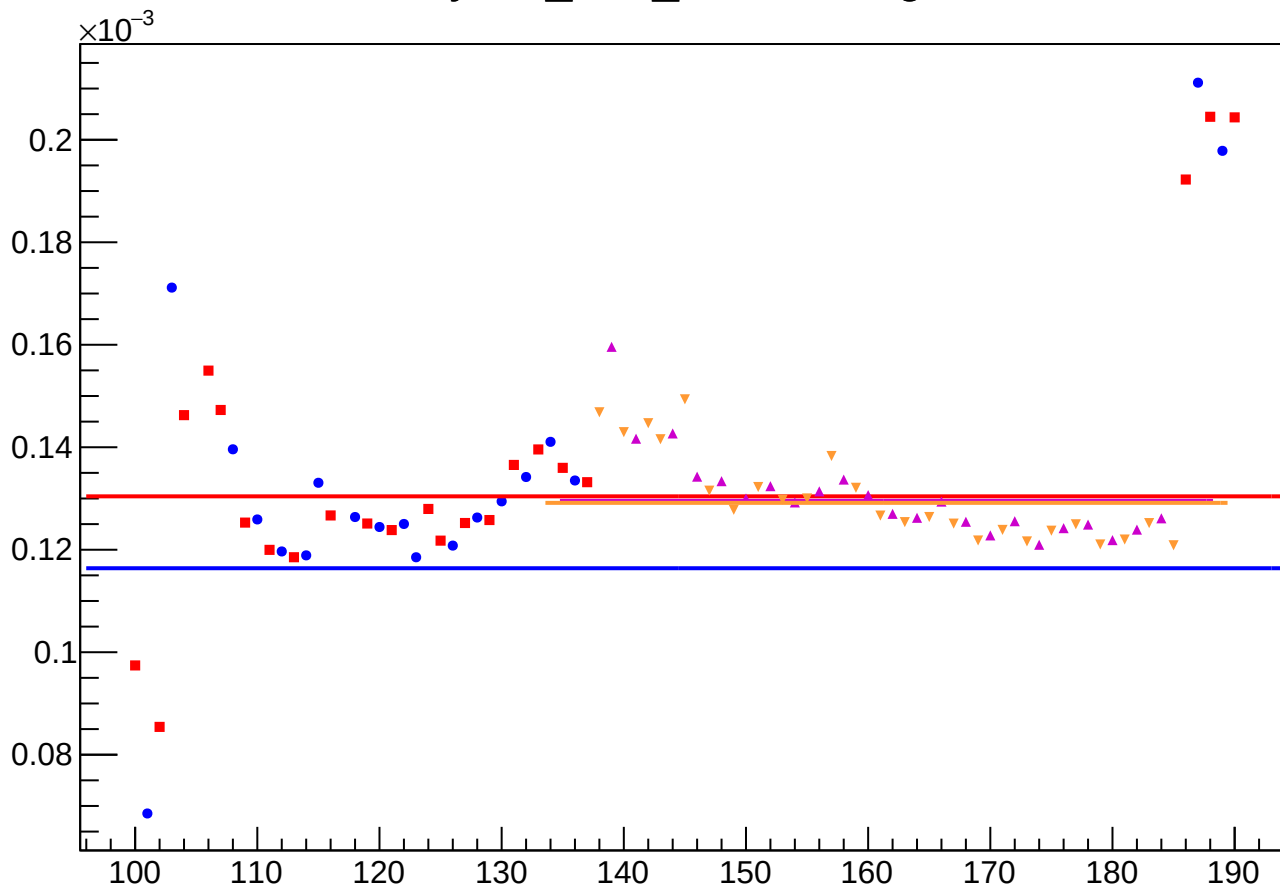
Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 45799785992.4/21

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 175262997776.8

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 50010234703.0/44

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 999219.7/18

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 675456.9/21

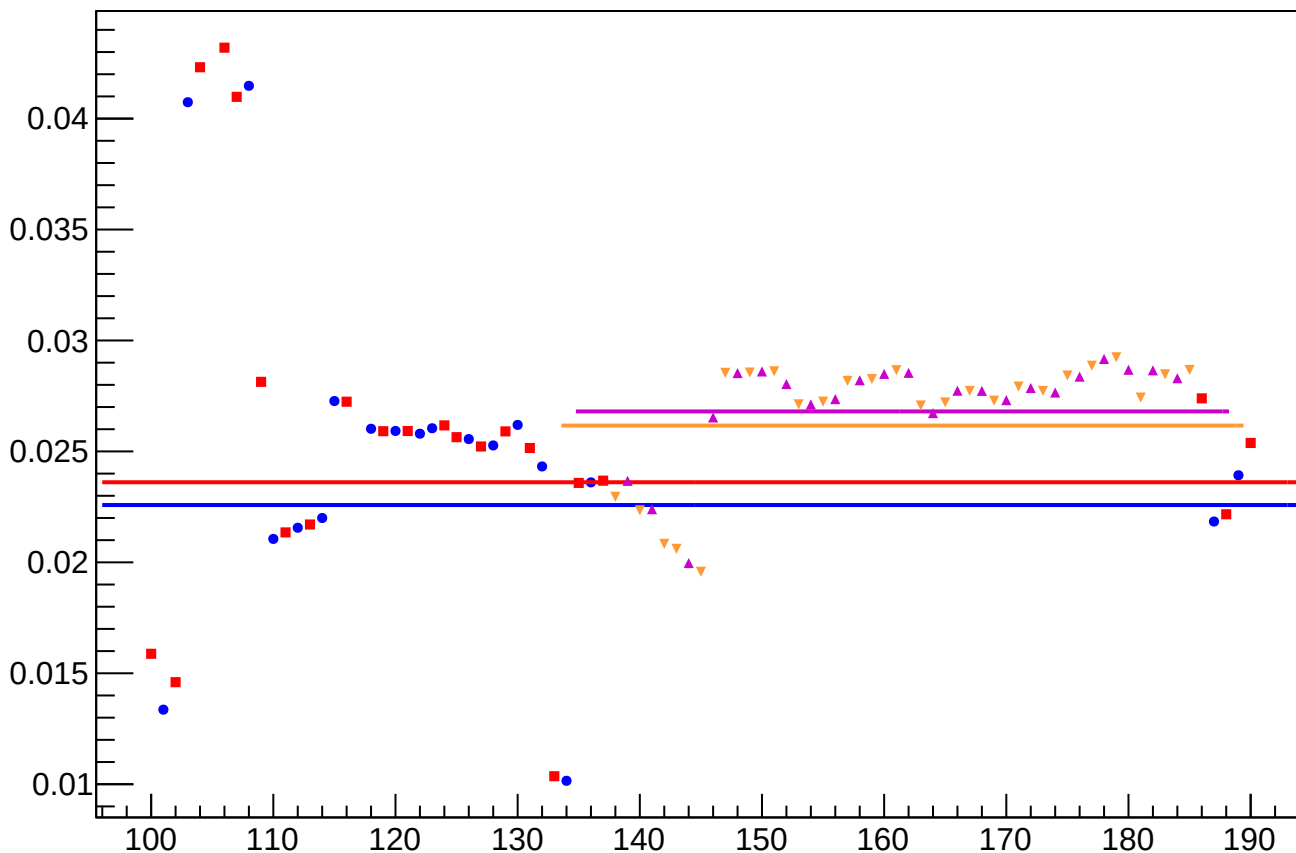
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1238591.7/43

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 2061854.6/88

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 790730.7/44

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4242491423.9/18

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.024+/-0.000 χ^2/NDF : 5681817413.8/21

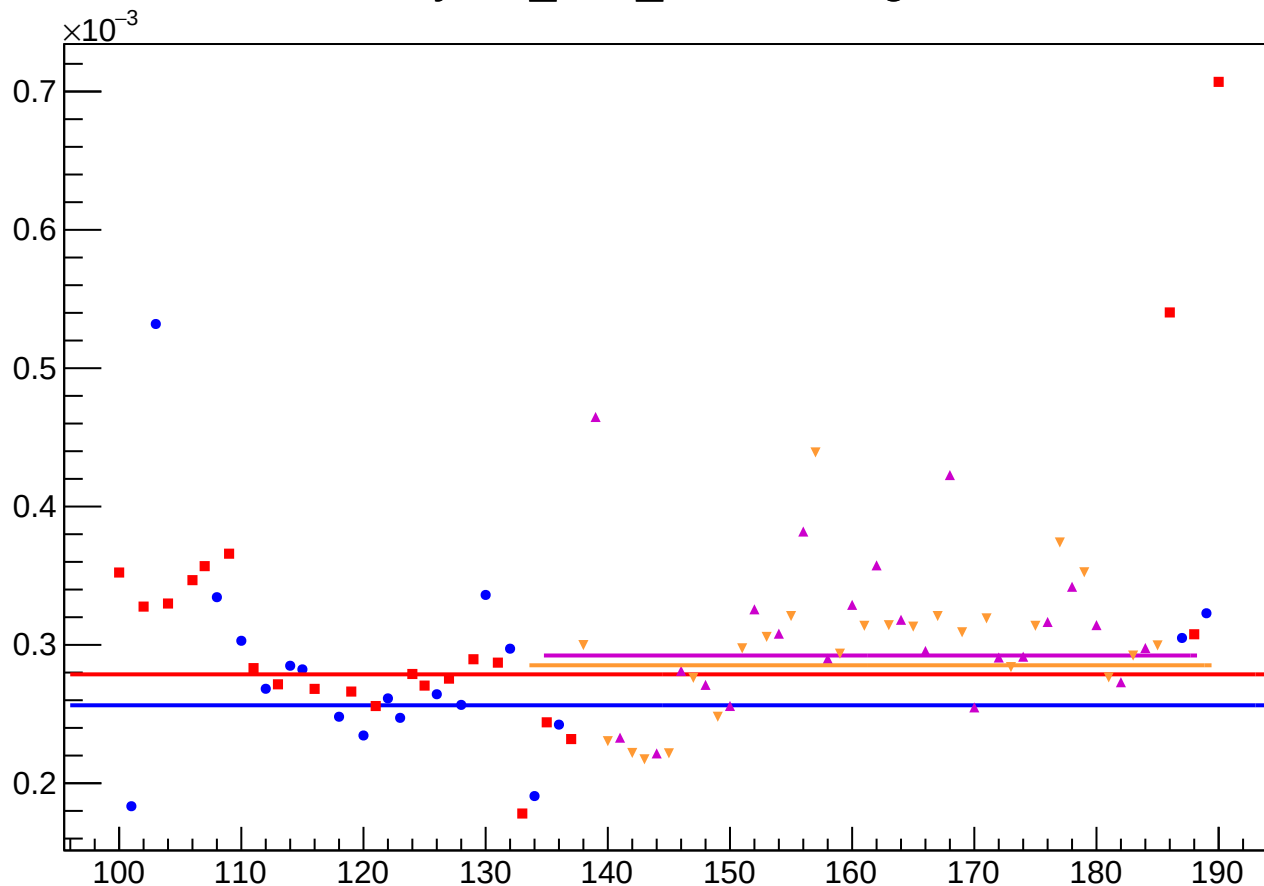
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7124903399.8/43

All: 0.025+/-0.000 χ^2/NDF : 14848715672.2/8

- sign 0.026+/-0.000 χ^2/NDF : 7653883027.0/44

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 663341.4/18

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 879452.0/21

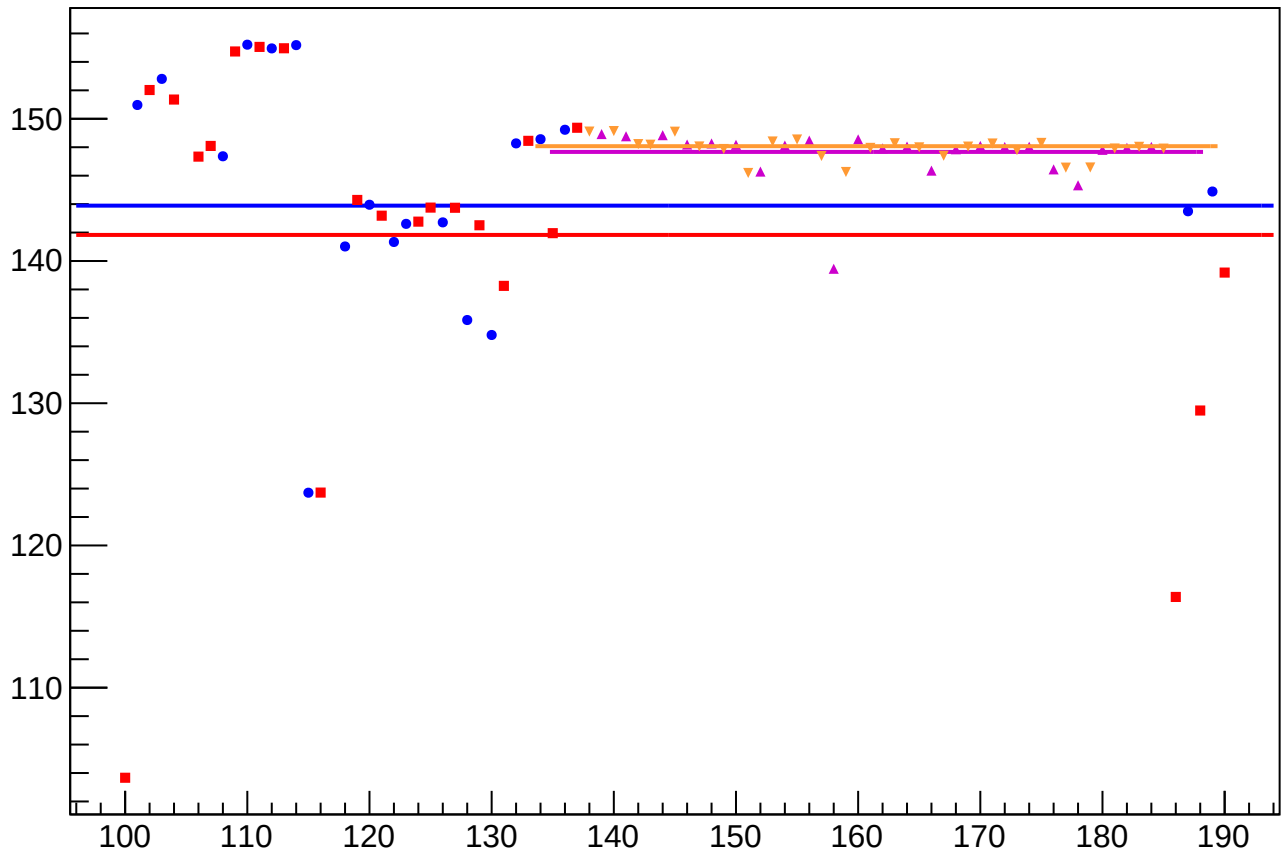
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1584521.2/43

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 3425360.2/88

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1801570.0/44

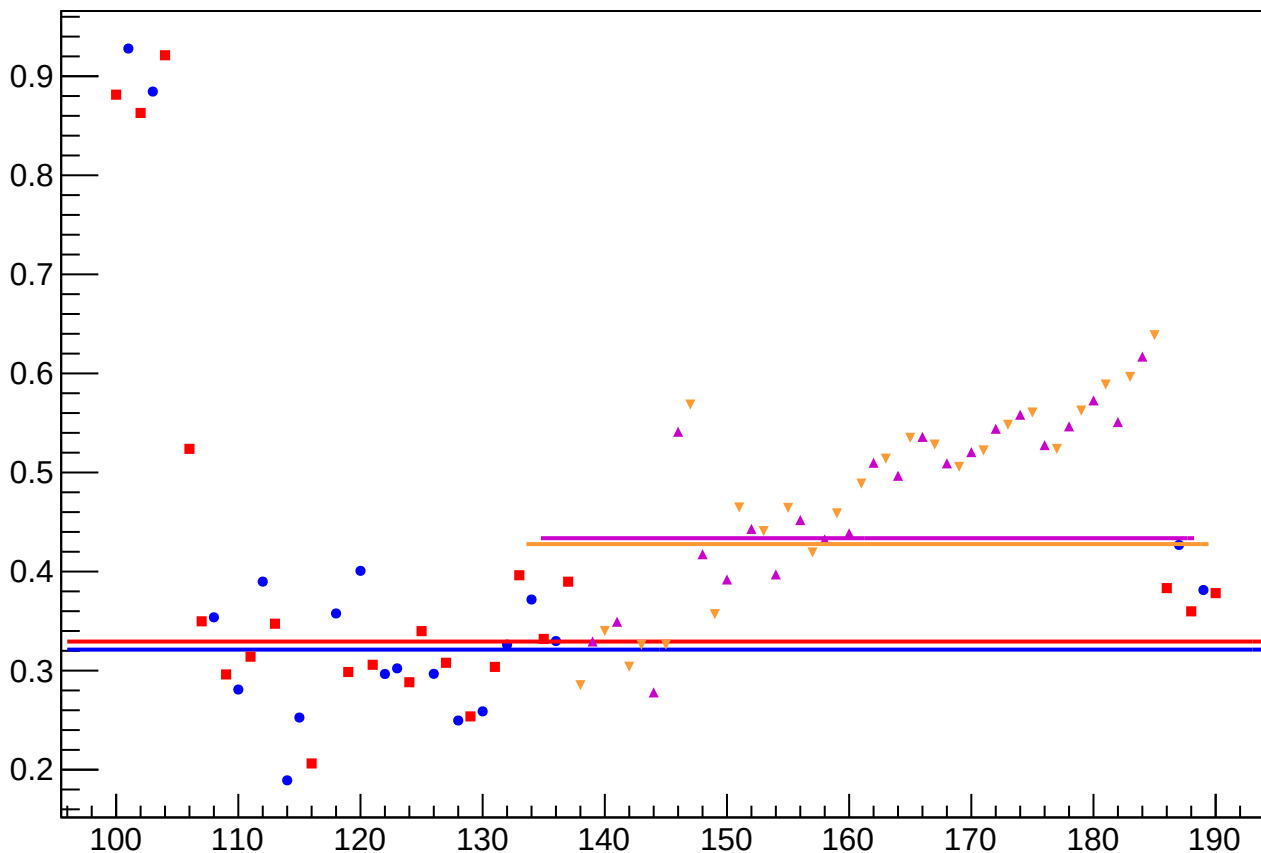
yield_bcm_an_ds_mean vs Slug



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: 141.834 $\pm$ 0.000 χ^2 /NDF: 7213339110.6/21
 Left In: 147.670 $\pm$ 0.000 χ^2 /NDF: 345222604.4/22

+ sign 146.454 $\pm$ 0.000 χ^2 /NDF: 4147419949.0/43
 All: 145.773 $\pm$ 0.000 χ^2 /NDF: 13140266173.
 - sign 145.104 $\pm$ 0.000 χ^2 /NDF: 8853604972.5/44

yield_bcm_an_ds_rms vs Slug



Right In: 0.321 ± 0.000 χ^2/NDF : 1299432.5/18

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.329 ± 0.000 χ^2/NDF : 1261291.6/21

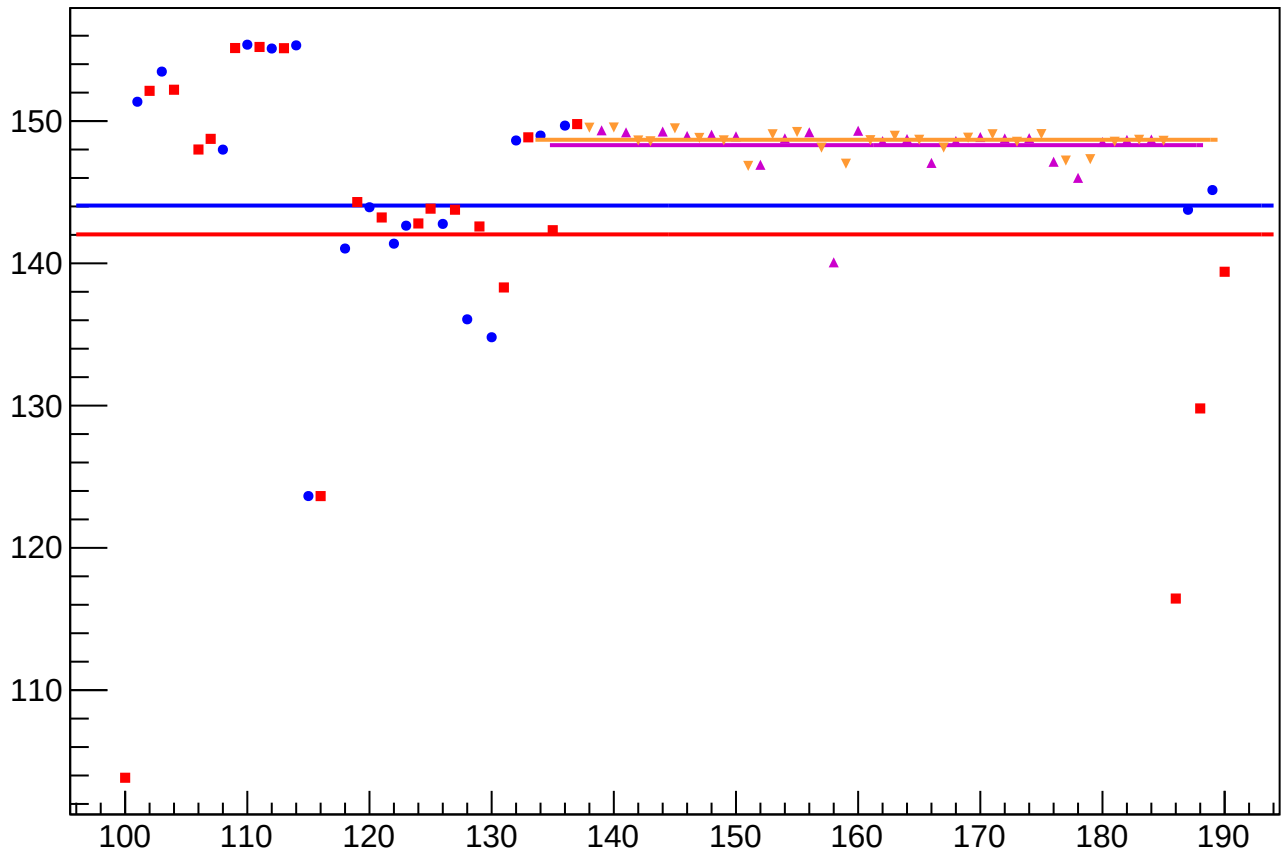
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.386 ± 0.000 χ^2/NDF : 4011882.6/43

All: 0.387 ± 0.000 χ^2/NDF : 7597341.8/88

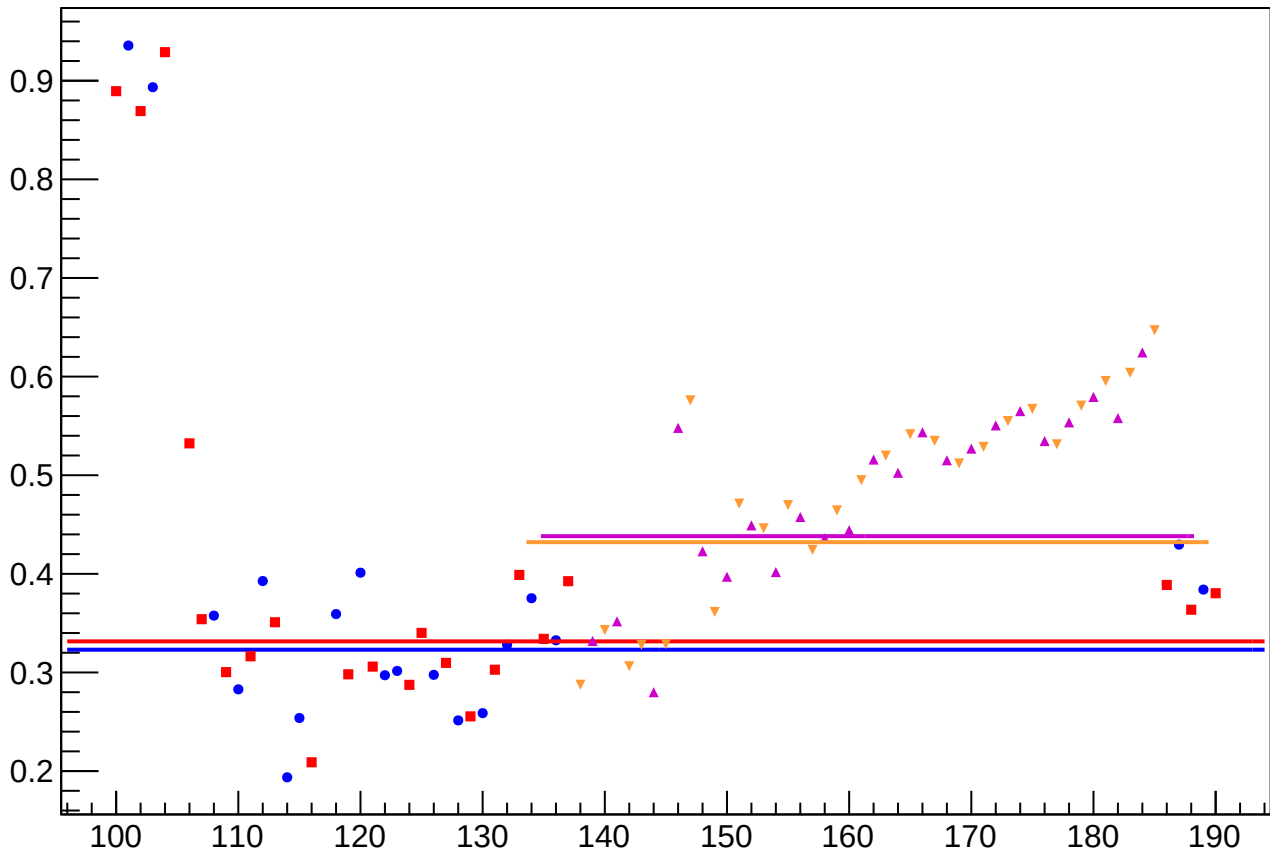
- sign 0.388 ± 0.000 χ^2/NDF : 3585190.2/44

yield_bcm_an_ds3_mean vs Slug



Right In: 144.062 $\pm$ 0.000	χ^2 /NDF: 3498683002.4/18	+ sign 146.884 $\pm$ 0.000	χ^2 /NDF: 4307677851.4/43
Left Out: 148.686 $\pm$ 0.000	χ^2 /NDF: 52218185.1/24	All: 146.204 $\pm$ 0.000	χ^2 /NDF: 13404491613.0
Right Out: 142.034 $\pm$ 0.000	χ^2 /NDF: 7156163142.3/21	- sign 145.537 $\pm$ 0.000	χ^2 /NDF: 8960405936.7/44
Left In: 148.307 $\pm$ 0.000	χ^2 /NDF: 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.323 $\pm$ 0.000 χ^2 /NDF: 1301526.0/18

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1929031.5/24

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 1266264.5/21

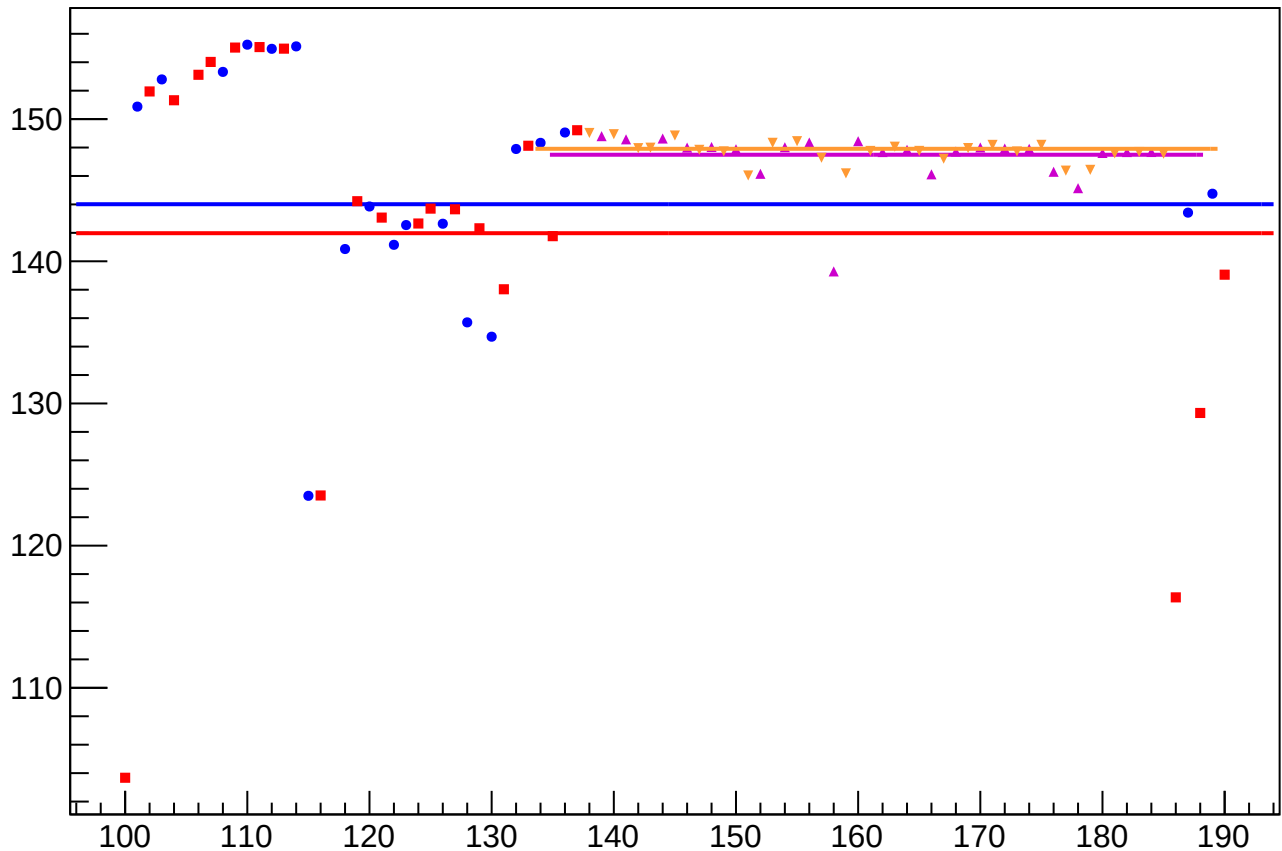
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.390 $\pm$ 0.000 χ^2 /NDF: 4072319.1/43

All: 0.390 $\pm$ 0.000 χ^2 /NDF: 7711431.7/88

- sign 0.391 $\pm$ 0.000 χ^2 /NDF: 3638794.9/44

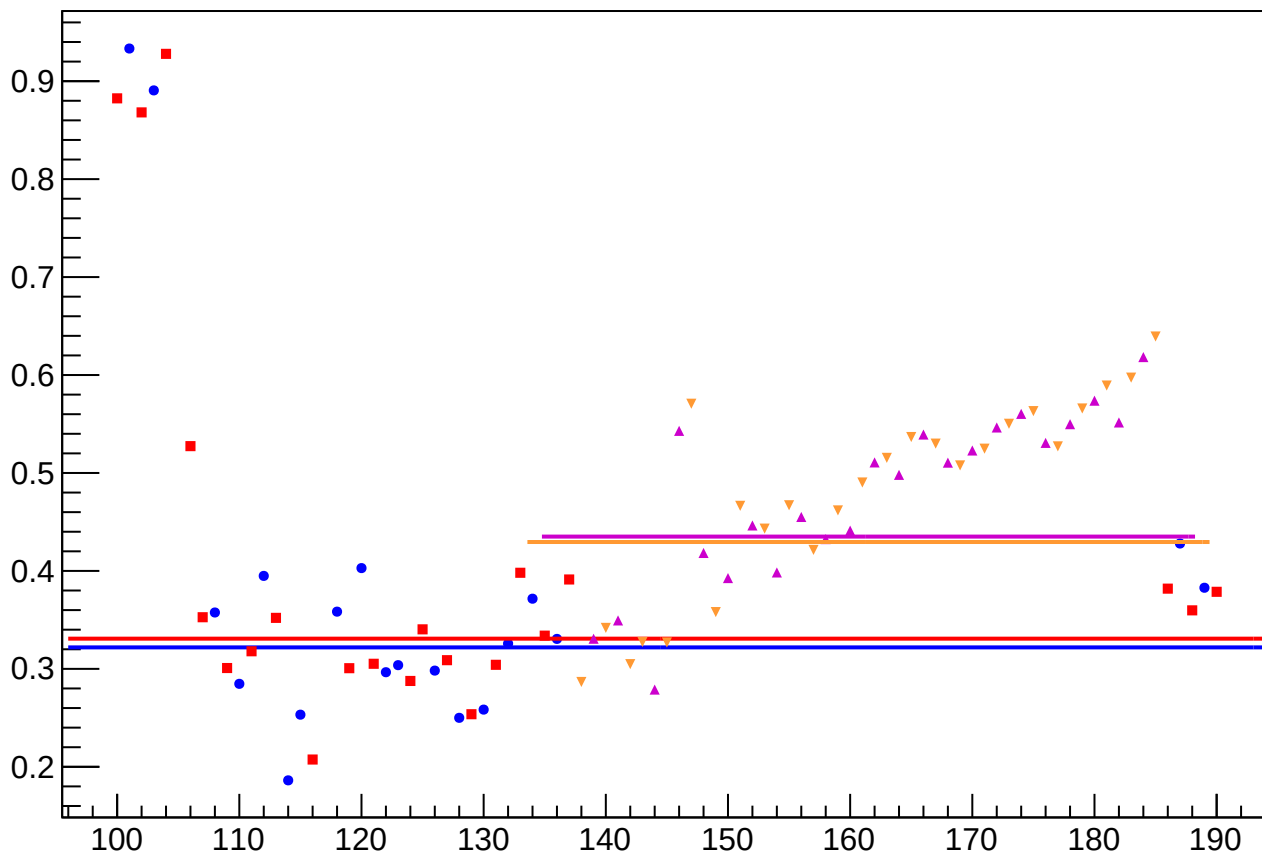
yield_bcm_an_us_mean vs Slug



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: 141.975 $\pm$ 0.000 χ^2 /NDF: 7610613380.6/21
 Left In: 147.493 $\pm$ 0.000 χ^2 /NDF: 343978473.2/22

+ sign 146.399 $\pm$ 0.000 χ^2 /NDF: 4272831217.4/43
 All: 145.729 $\pm$ 0.000 χ^2 /NDF: 13509840422.
 - sign 145.070 $\pm$ 0.000 χ^2 /NDF: 9103007960.3/44

yield_bcm_an_us_rms vs Slug



Right In: 0.322 ± 0.000 χ^2/NDF : 1314449.4/18

Left Out: 0.430 ± 0.000 χ^2/NDF : 1895701.4/24

Right Out: 0.331 ± 0.000 χ^2/NDF : 1262267.4/21

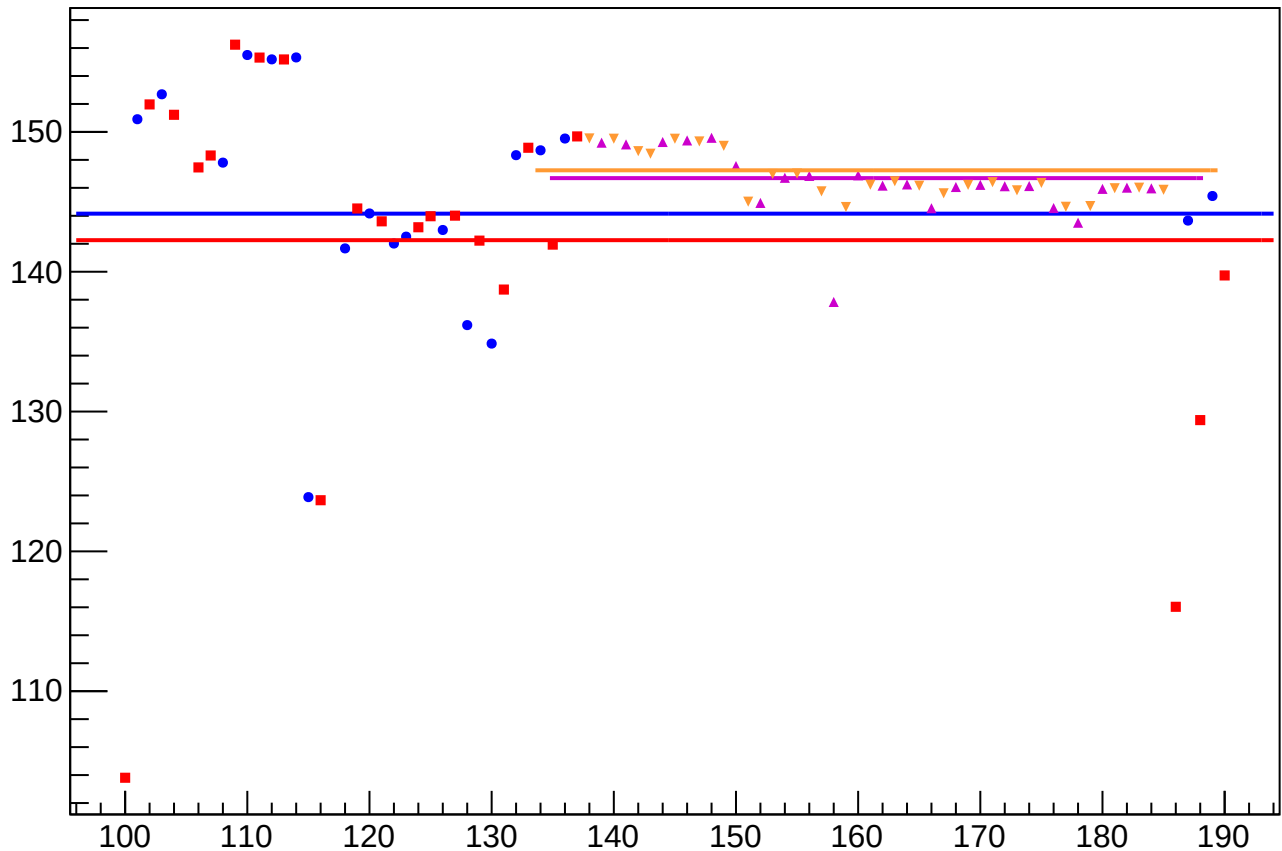
Left In: 0.435 ± 0.000 χ^2/NDF : 1502712.5/22

+ sign 0.388 ± 0.000 χ^2/NDF : 4036537.9/43

All: 0.389 ± 0.000 χ^2/NDF : 7621073.9/88

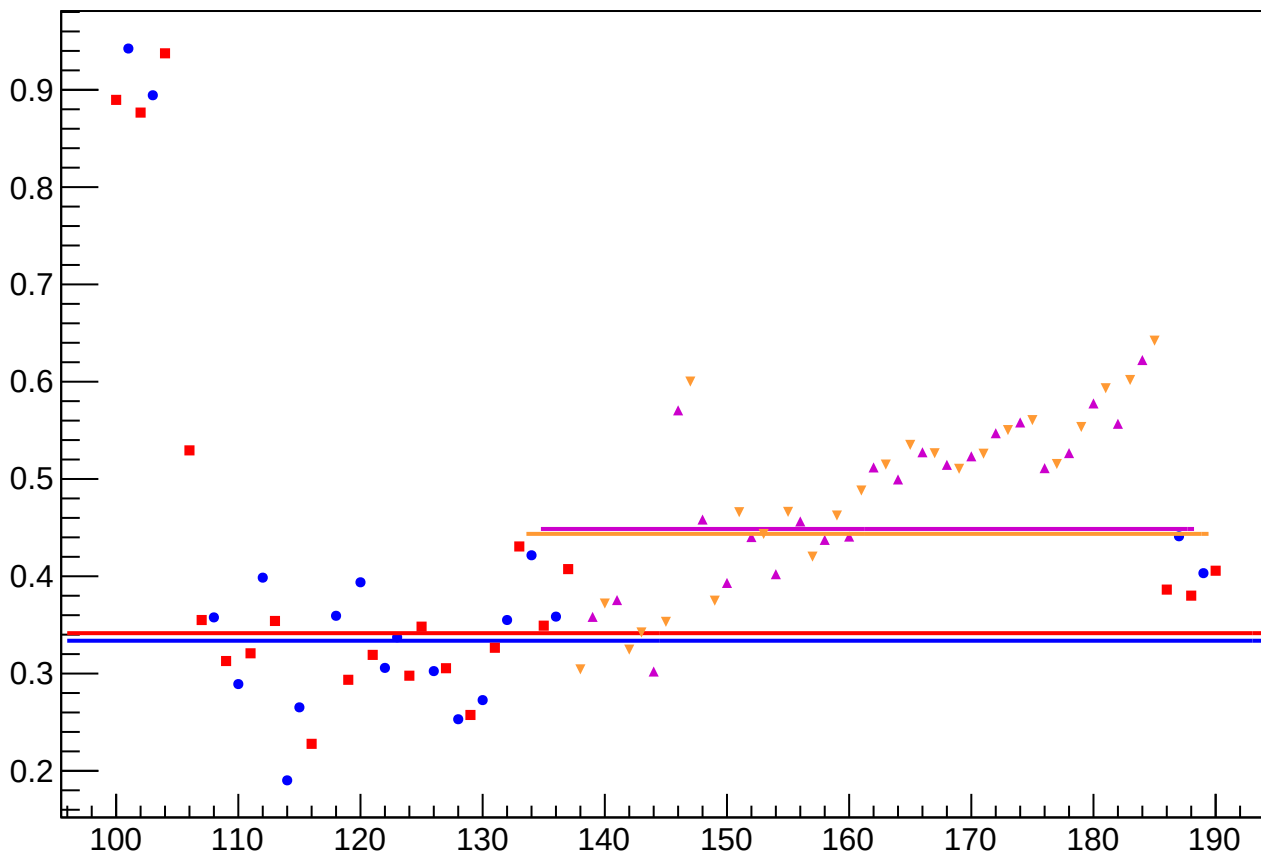
- sign 0.389 ± 0.000 χ^2/NDF : 3584190.6/44

yield_bcm_dg_us_mean vs Slug



Right In: 144.154+/-0.000	χ^2/NDF : 3167418526.7/18	+ sign 146.067+/-0.000	χ^2/NDF : 3750253231.7/43
Left Out: 147.255+/-0.000	χ^2/NDF : 262138049.8/24	All: 145.407+/-0.000	χ^2/NDF : 12042135144.
Right Out: 142.258+/-0.000	χ^2/NDF : 6912818480.0/21	- sign 144.763+/-0.000	χ^2/NDF : 8170436382.7/44
Left In: 146.695+/-0.000	χ^2/NDF : 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.334 ± 0.000 χ^2/NDF : 1301512.5/18

Left Out: 0.444 ± 0.000 χ^2/NDF : 1483434.7/24

Right Out: 0.342 ± 0.000 χ^2/NDF : 1233386.0/21

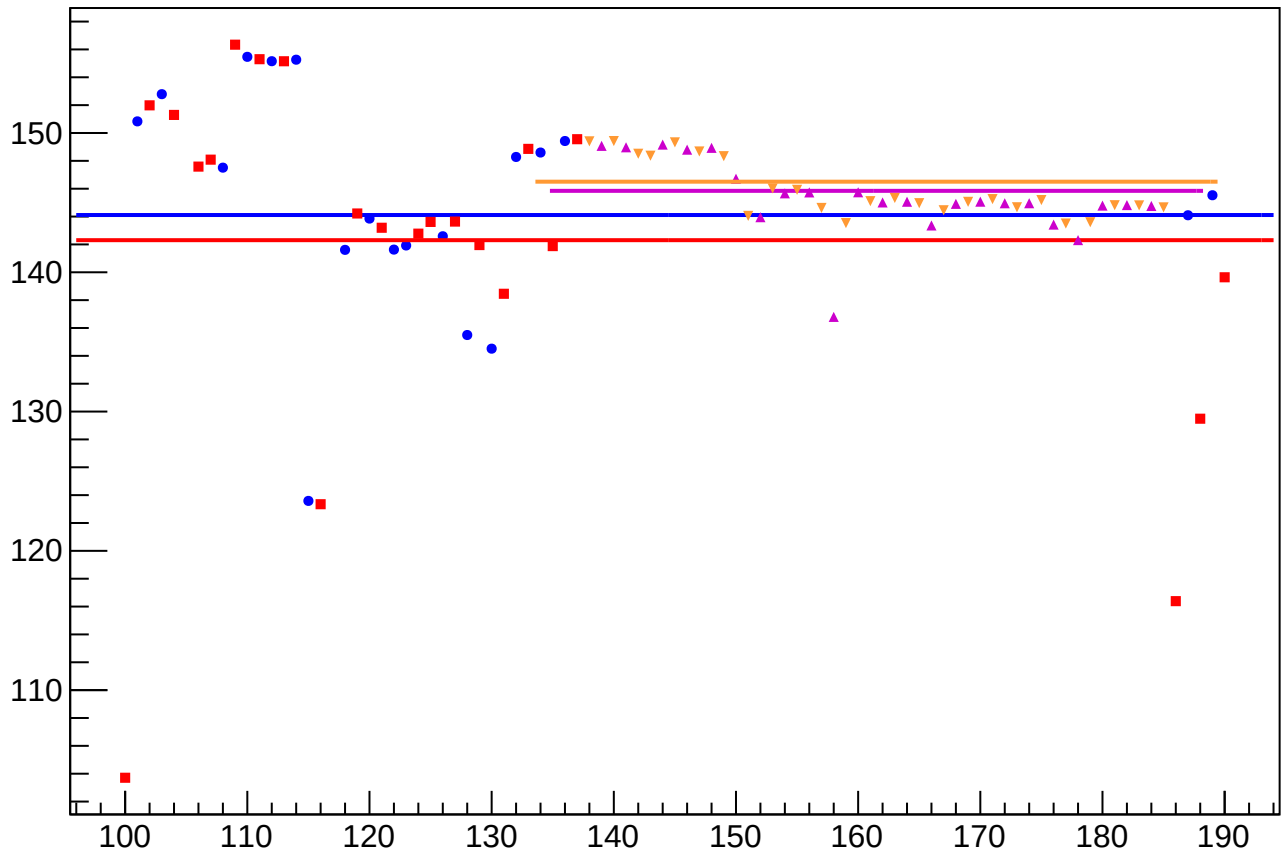
Left In: 0.449 ± 0.000 χ^2/NDF : 1132620.8/22

+ sign 0.402 ± 0.000 χ^2/NDF : 3589933.3/43

All: 0.402 ± 0.000 χ^2/NDF : 6771476.6/88

- sign 0.402 ± 0.000 χ^2/NDF : 3181510.1/44

yield_bcm_dg_ds_mean vs Slug



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: 142.305 $\pm$ 0.000 χ^2 /NDF: 6895511306.0/21

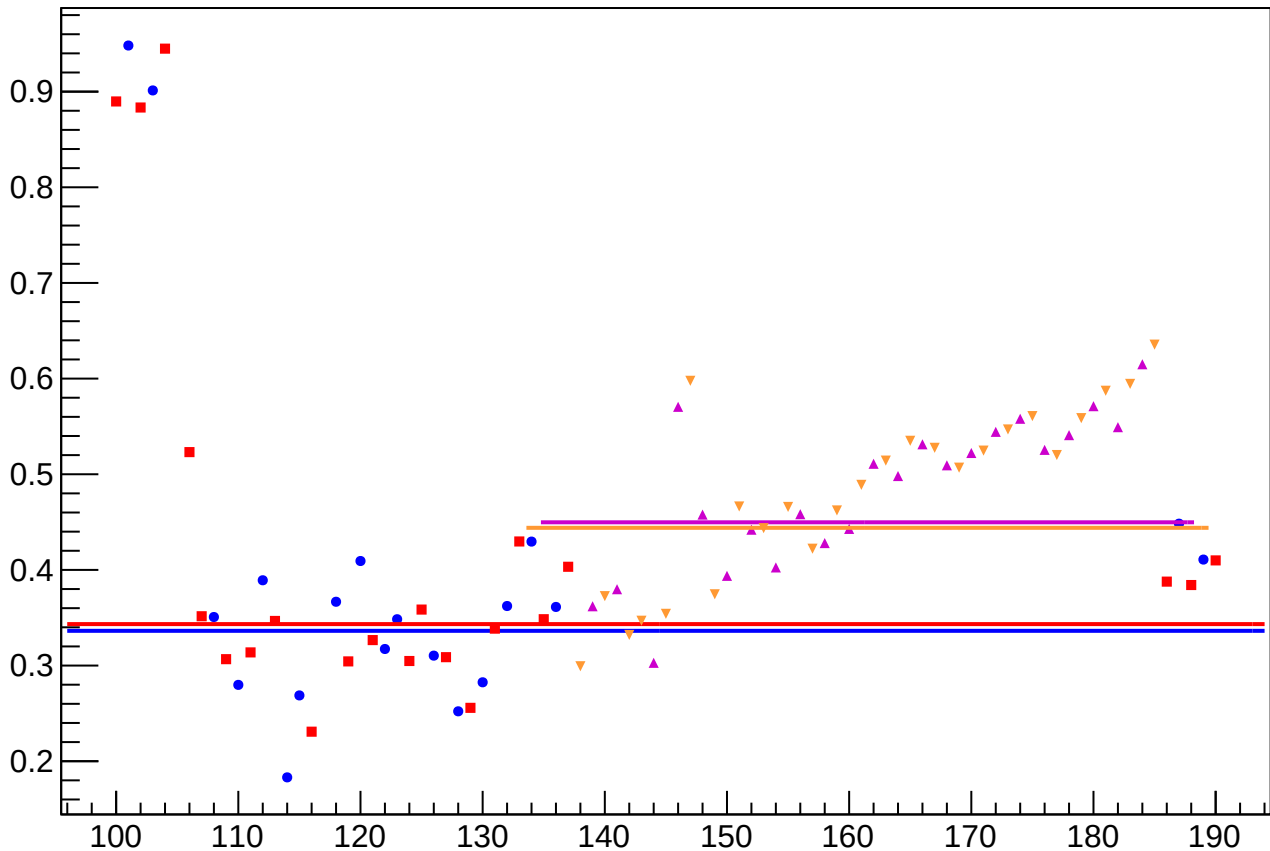
Left In: 145.847 $\pm$ 0.000 χ^2 /NDF: 694764545.6/22

+ sign 145.598 $\pm$ 0.000 χ^2 /NDF: 3878144088.8/43

All: 144.947 $\pm$ 0.000 χ^2 /NDF: 12027233239.

- sign 144.311 $\pm$ 0.000 χ^2 /NDF: 8031841068.0/44

yield_bcm_dg_ds_rms vs Slug



Right In: 0.336 ± 0.000 χ^2/NDF : 1320914.7/18

Left Out: 0.444 ± 0.000 χ^2/NDF : 1463293.5/24

Right Out: 0.343 ± 0.000 χ^2/NDF : 1224605.5/21

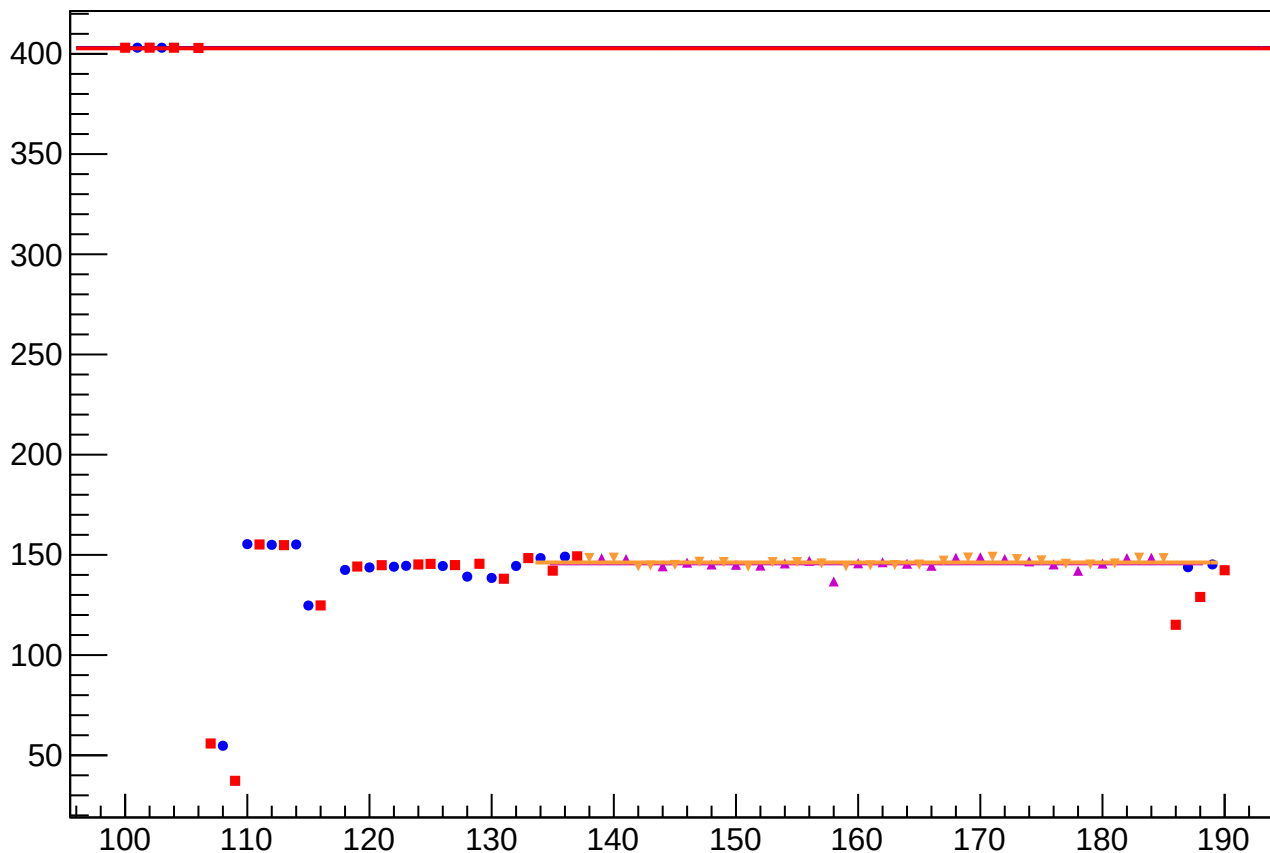
Left In: 0.450 ± 0.000 χ^2/NDF : 1105405.0/22

+ sign 0.403 ± 0.000 χ^2/NDF : 3547999.4/43

All: 0.403 ± 0.000 χ^2/NDF : 6675334.3/88

- sign 0.404 ± 0.000 χ^2/NDF : 3127309.0/44

yield_cav4bQ_mean vs Slug



Right In: 402.950 +/- 0.000 χ^2/NDF : 1150923173641.2/18

Left Out: 146.205 +/- 0.000 χ^2/NDF : 86658381.3/24

Right Out: 402.777 +/- 0.000 χ^2/NDF : 3316457742831.7/21

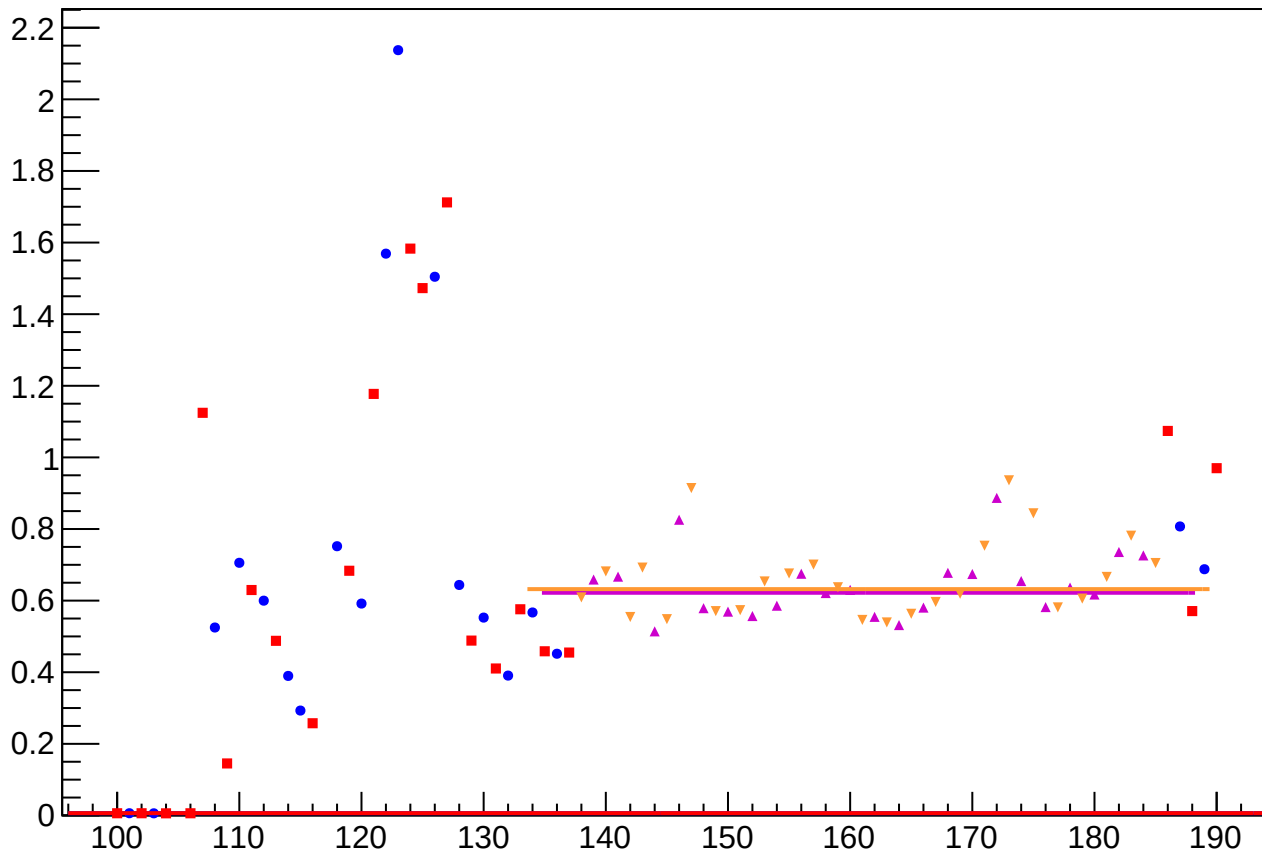
Left In: 145.773 +/- 0.000 χ^2/NDF : 207332354.9/22

+ sign 402.654 +/- 0.000 χ^2/NDF : 3522788501110.1

All: 402.582 +/- 0.000 χ^2/NDF : 918659310730

- sign 402.518 +/- 0.000 χ^2/NDF : 5663496858100.8

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9884912.2/18

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 11734353.1/21

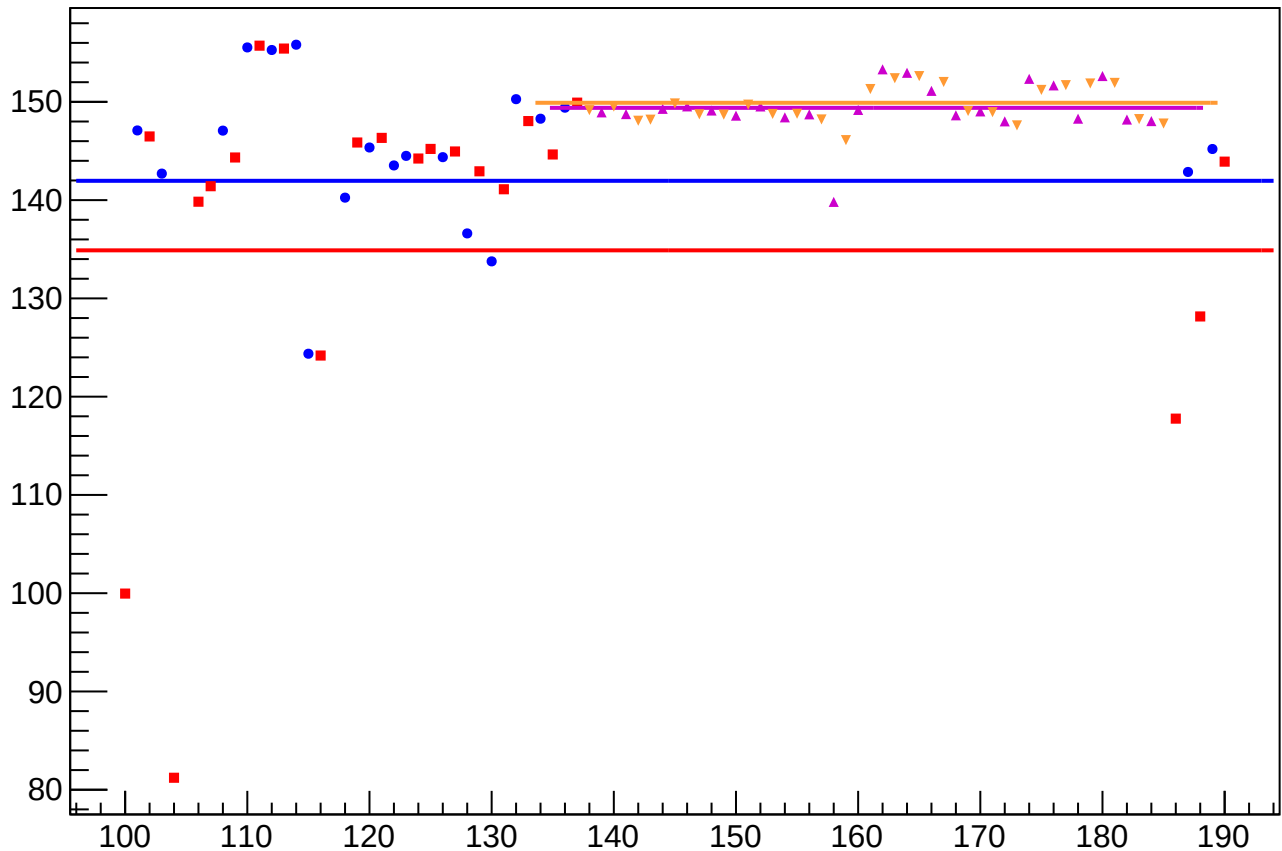
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 38676903.9/43

All: 0.007+/-0.000 χ^2/NDF : 77742016.5/88

- sign 0.007+/-0.000 χ^2/NDF : 39064903.7/44

yield_cav4cQ_mean vs Slug



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: 134.889 $\pm$ 0.000 χ^2 /NDF: 1774426990.2/21

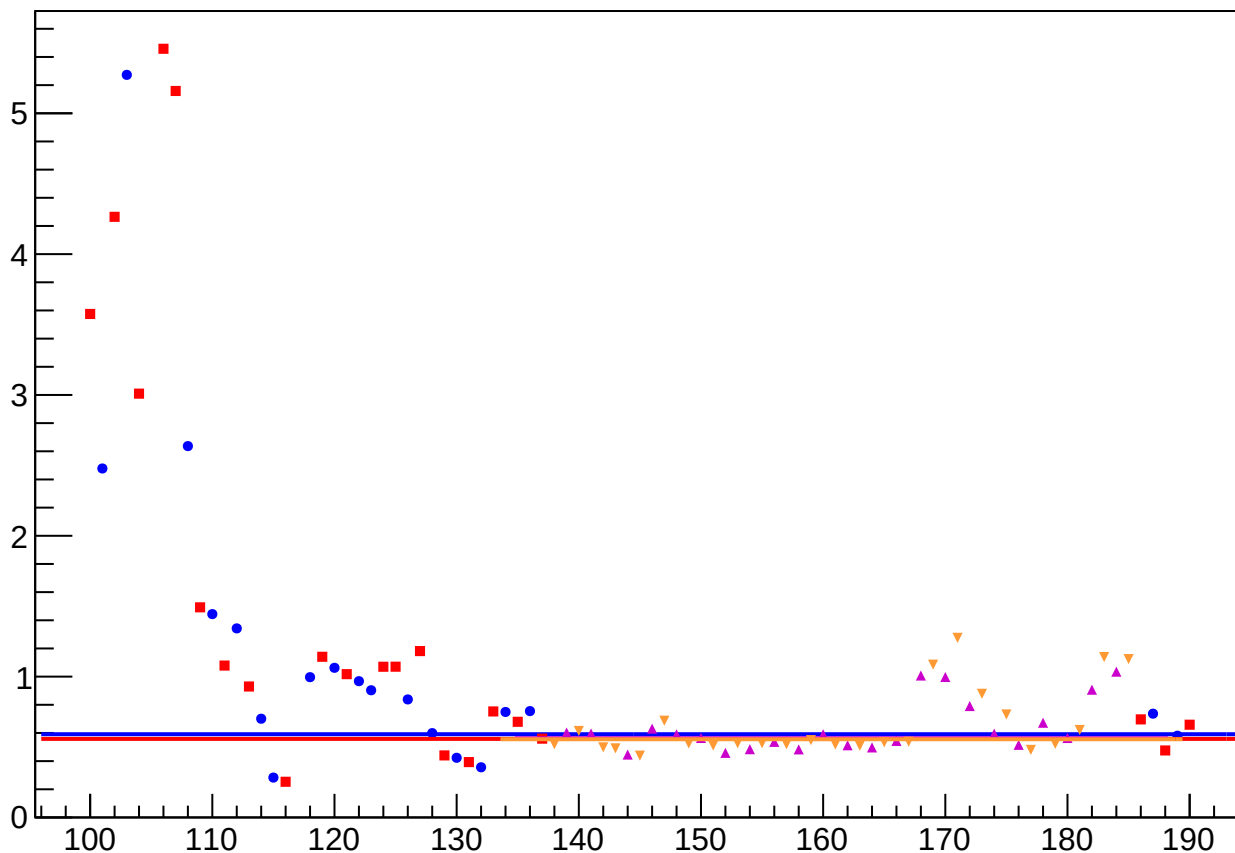
Left In: 149.391 $\pm$ 0.000 χ^2 /NDF: 437129920.4/22

+ sign 148.462 $\pm$ 0.000 χ^2 /NDF: 1736263863.0/43

All: 147.185 $\pm$ 0.000 χ^2 /NDF: 6548413685.8

- sign 145.916 $\pm$ 0.000 χ^2 /NDF: 4609865102.9/44

yield_cav4cQ_rms vs Slug



Right In: 0.591 $\pm$ 0.000 χ^2 /NDF: 3482673.6/18

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773380.1/24

Right Out: 0.558 $\pm$ 0.000 χ^2 /NDF: 4729939.3/21

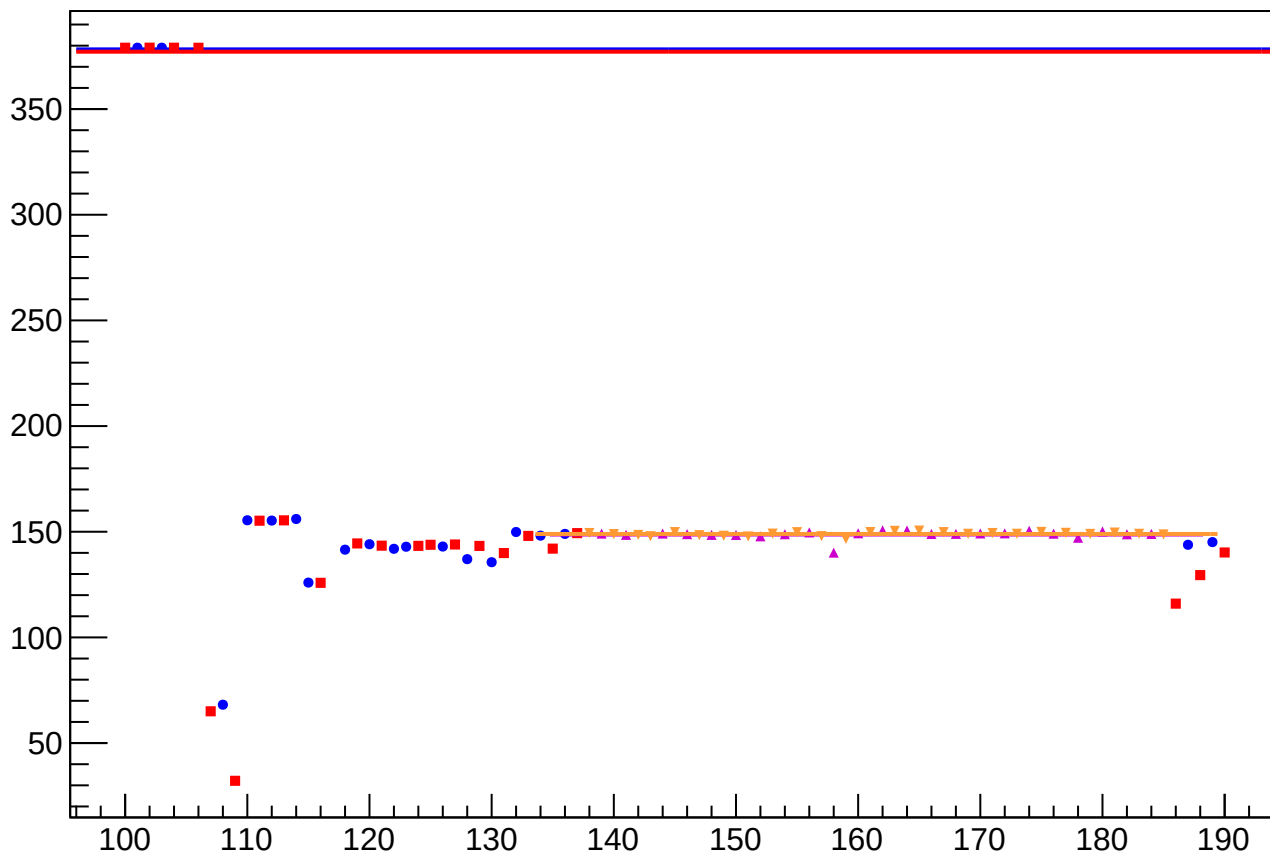
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1311075.2/22

+ sign 0.562 $\pm$ 0.000 χ^2 /NDF: 5279572.3/43

All: 0.561 $\pm$ 0.000 χ^2 /NDF: 11321029.9/88

- sign 0.561 $\pm$ 0.000 χ^2 /NDF: 6041416.3/44

yield_cav4dQ_mean vs Slug



Right In: 378.246+/-0.000 χ^2/NDF : 2622470003955.9/18

Left Out: 148.946+/-0.000 χ^2/NDF : 63974844.7/24

Right Out: 377.151+/-0.000 χ^2/NDF : 8800885064336.4/21

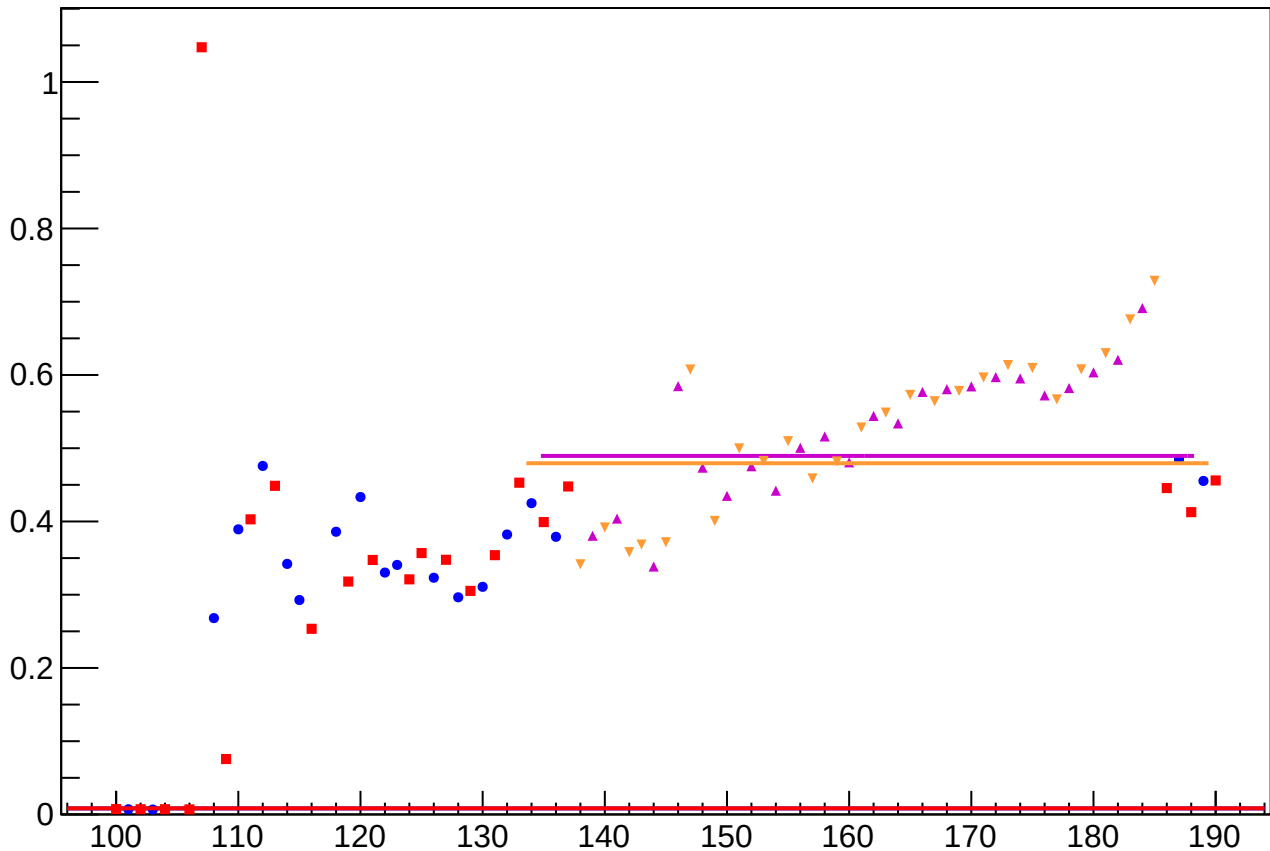
Left In: 148.683+/-0.000 χ^2/NDF : 253848207.3/22

+ sign 376.964+/-0.000 χ^2/NDF : 6536543034524.6

All: 376.514+/-0.000 χ^2/NDF : 18923408694.1

- sign 376.120+/-0.000 χ^2/NDF : 12381778579279.1

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 10798817.2/18

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1518765.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 12428424.8/21

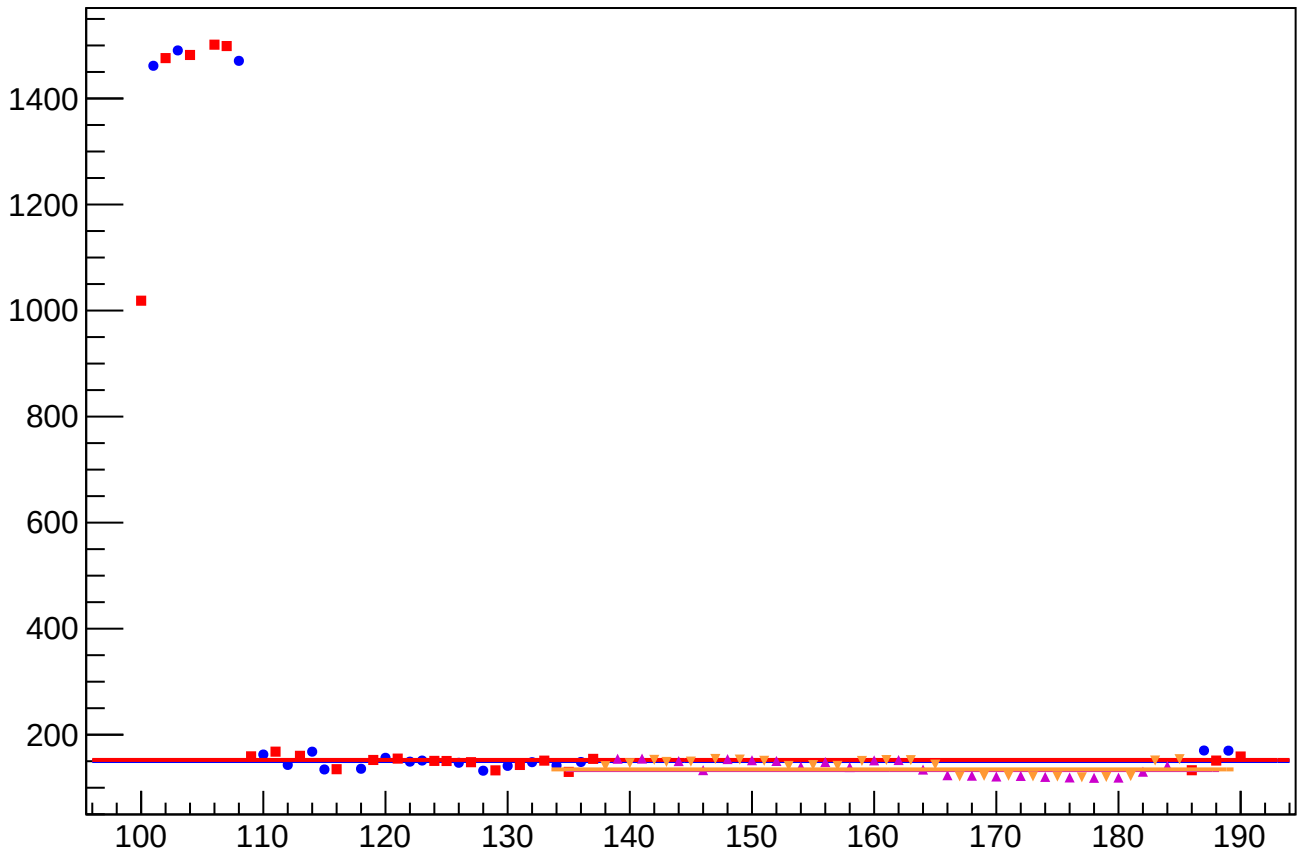
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 45386833.1/43

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 90667439.8/88

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 45279430.7/44

yield_bcm0l02_mean vs Slug



Right In: 150.387+/-0.000 χ^2/NDF : 24782910683.2/18

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 152.428+/-0.000 χ^2/NDF : 33991745835.6/21

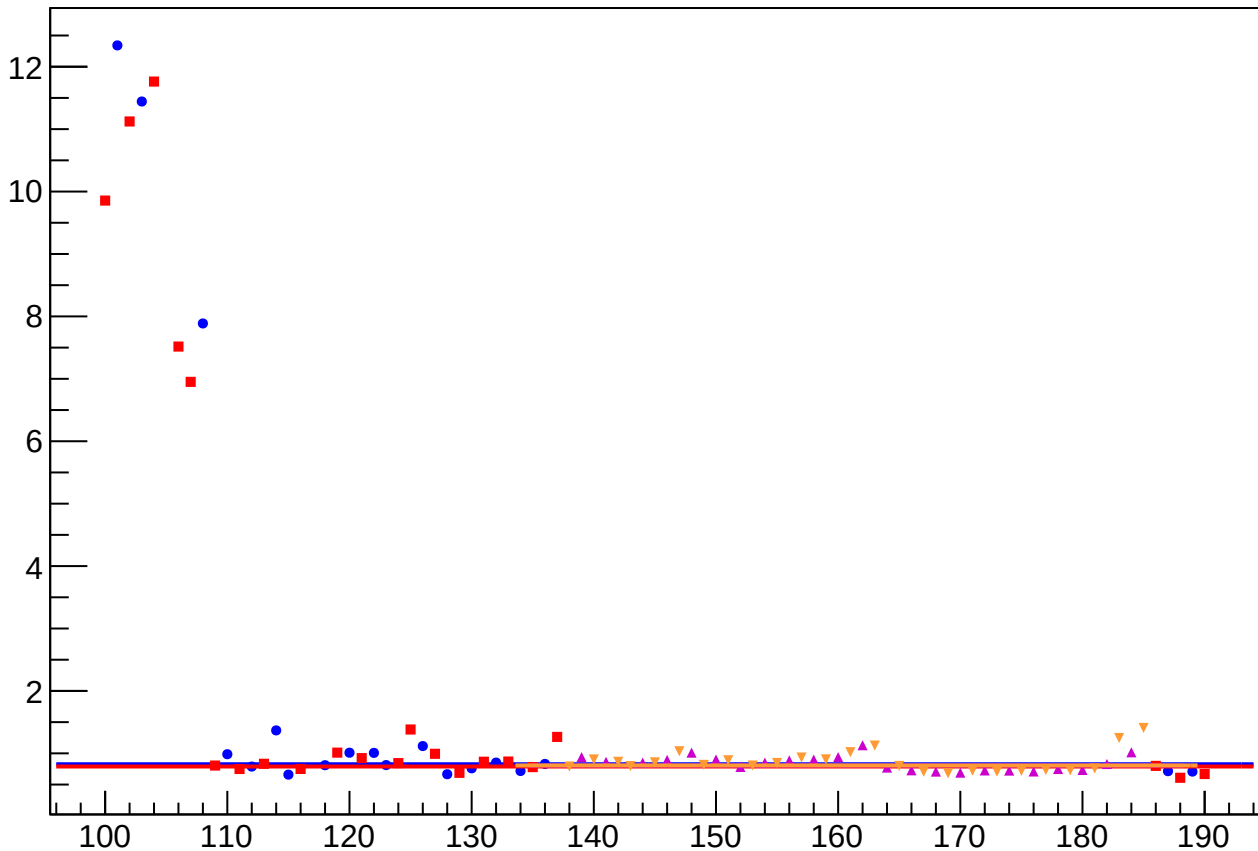
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 137.859+/-0.000 χ^2/NDF : 30398662735.3/43

All: 138.184+/-0.000 χ^2/NDF : 71023677235.6/44

- sign 138.493+/-0.000 χ^2/NDF : 40618856786.8/44

yield_bcm0l02_rms vs Slug



Right In: 0.825 ± 0.000 χ^2/NDF : 2698224.9/18

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.789 ± 0.000 χ^2/NDF : 3066206.7/21

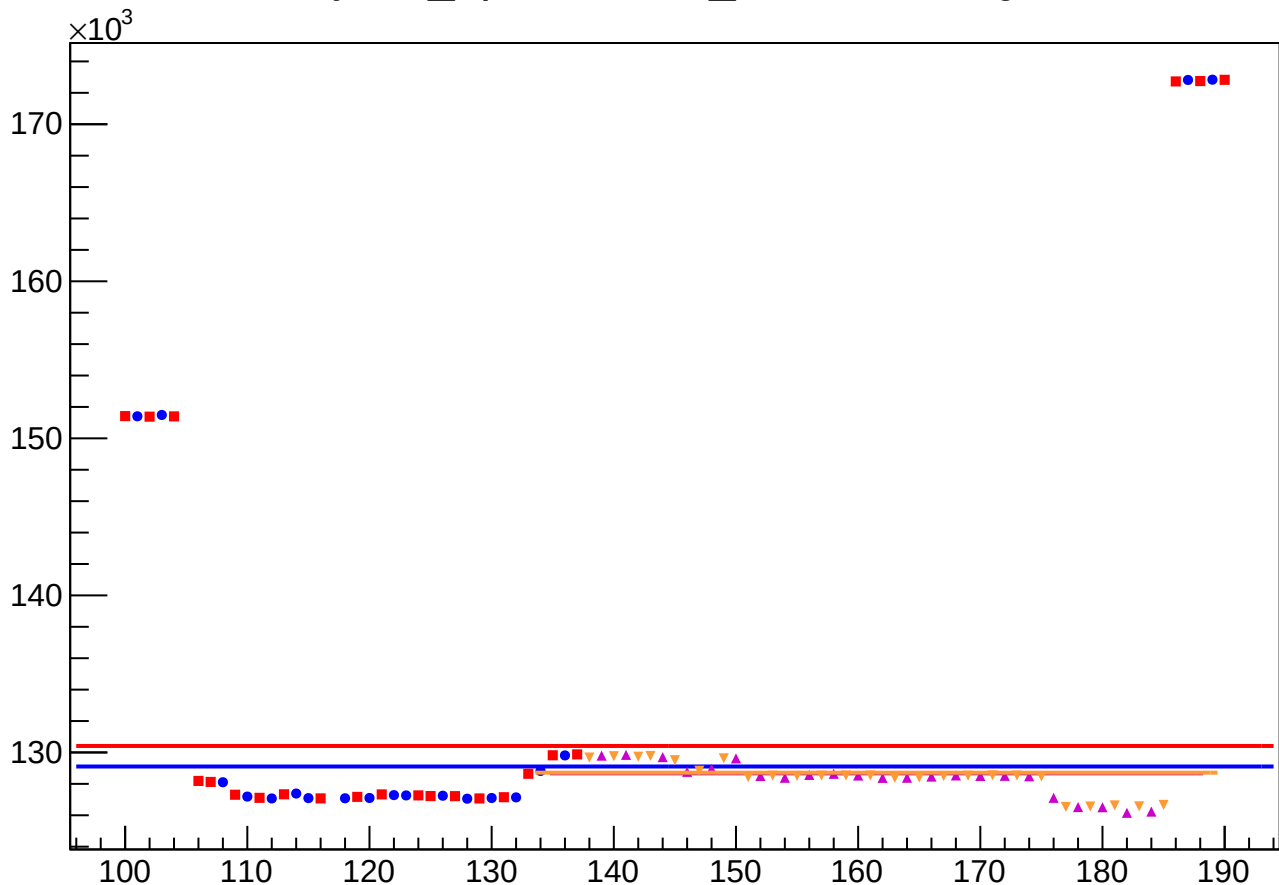
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.811 ± 0.000 χ^2/NDF : 3405867.5/43

All: 0.805 ± 0.000 χ^2/NDF : 6957829.2/88

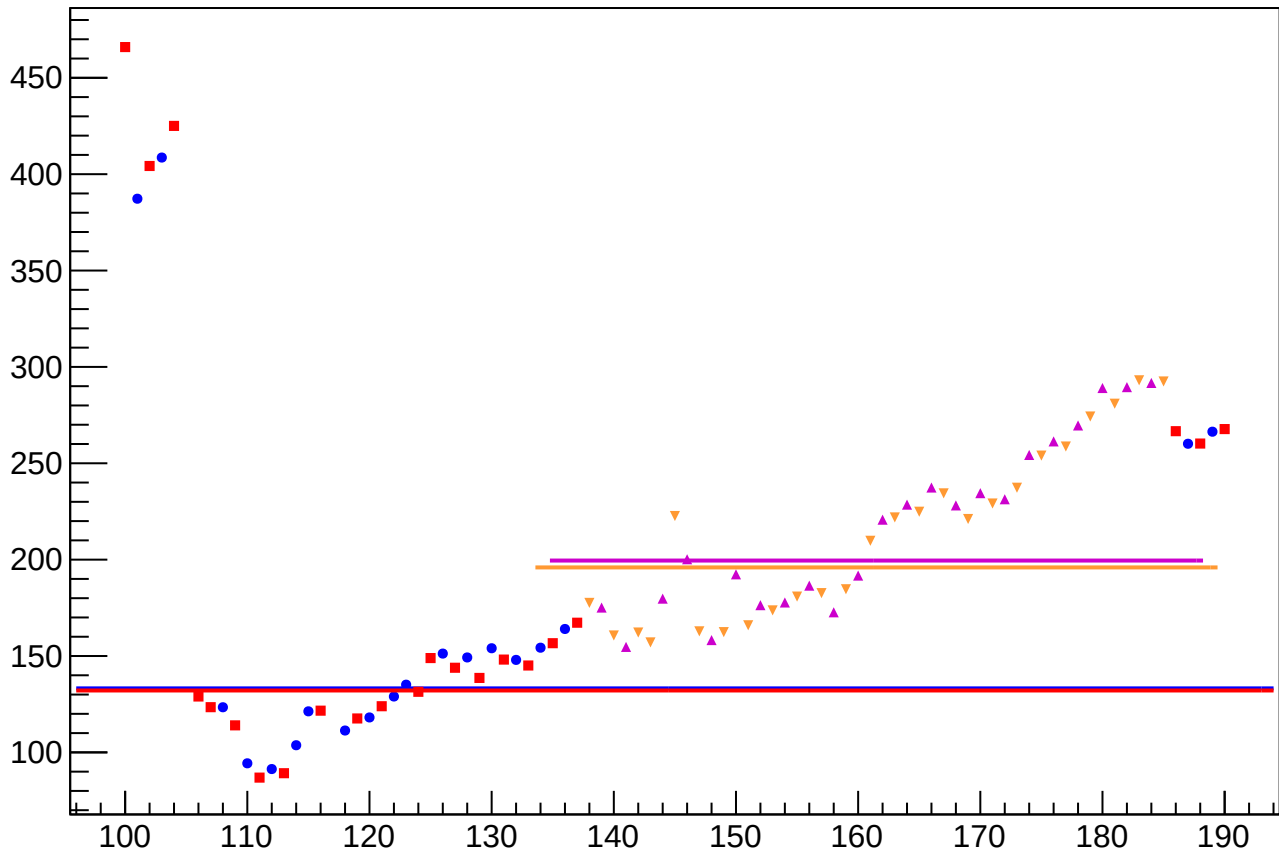
- sign 0.800 ± 0.000 χ^2/NDF : 3548794.5/44

yield_bpm2i01WS_mean vs Slug



Right In: 129105.693 ± 0.054 $\chi^2/\text{NDF}: 20521182336.8/18$
 Left Out: 128713.791 ± 0.047 $\chi^2/\text{NDF}: 348293942.5/24$ + sign 128881.387 ± 0.035 $\chi^2/\text{NDF}: 20899655484.0$
 Right Out: 130413.184 ± 0.049 $\chi^2/\text{NDF}: 47661168919.6/21$ All: 129217.065 ± 0.025 $\chi^2/\text{NDF}: 697082883.0$
 Left In: 128670.094 ± 0.049 $\chi^2/\text{NDF}: 334875494.0/22$ - sign 129539.259 ± 0.035 $\chi^2/\text{NDF}: 48631350083.0$

yield_bpm2i01WS_rms vs Slug



Right In: 133.203 $\pm$ 0.038 χ^2 /NDF: 1777332.4/18

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF: 1316091.7/24

Right Out: 132.117 $\pm$ 0.035 χ^2 /NDF: 2368457.6/21

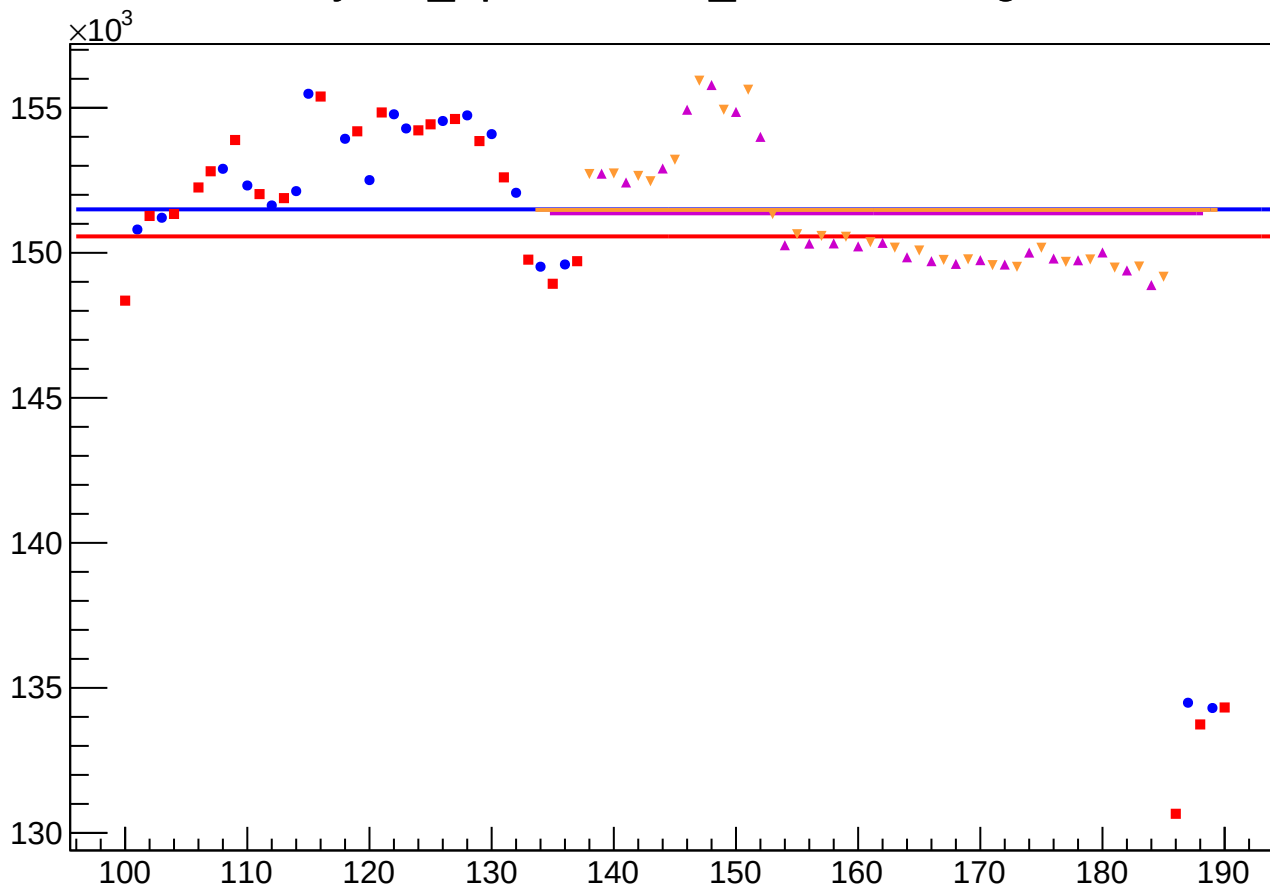
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF: 1175342.5/22

+ sign 169.124 $\pm$ 0.025 χ^2 /NDF: 4641397.7/43

All: 167.487 $\pm$ 0.017 χ^2 /NDF: 10094155.1/80

- sign 165.916 $\pm$ 0.024 χ^2 /NDF: 5444326.2/44

yield_bpm0i07WS_mean vs Slug



Right In: 151498.609 $\pm$ 0.070 χ^2 /NDF: 4474378786.9/18

Left Out: 151480.339 $\pm$ 0.049 χ^2 /NDF: 1483692735.3/24

Right Out: 150566.423 $\pm$ 0.062 χ^2 /NDF: 11007931772.1/21

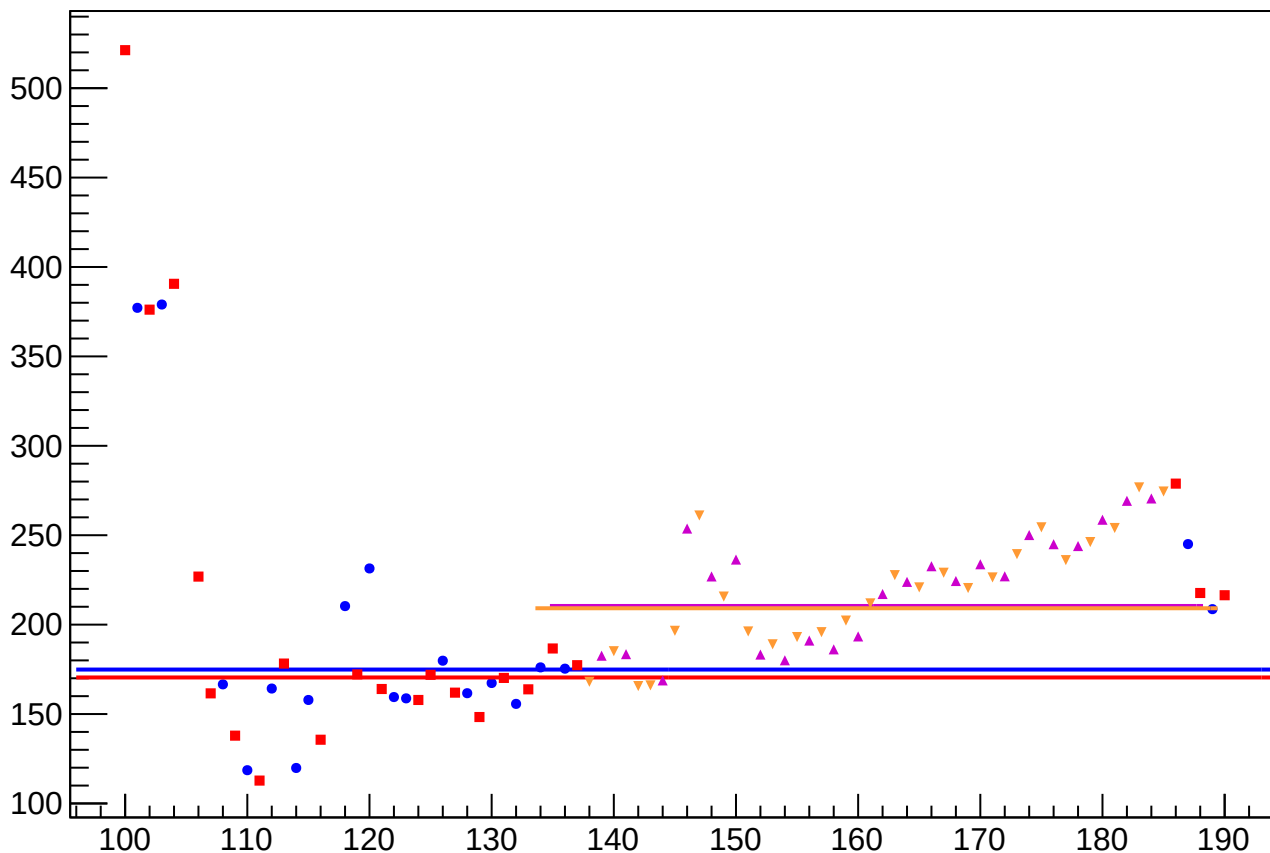
Left In: 151362.440 $\pm$ 0.051 χ^2 /NDF: 1426782789.9/22

+ sign 151486.407 $\pm$ 0.040 χ^2 /NDF: 5958116820.2

All: 151258.528 $\pm$ 0.028 χ^2 /NDF: 185526137

- sign 151040.620 $\pm$ 0.040 χ^2 /NDF: 12532348445.4

yield_bpm0i07WS_rms vs Slug



Right In: 174.881 $\pm$ 0.050 χ^2 /NDF: 974519.3/18

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 170.454 $\pm$ 0.044 χ^2 /NDF: 1285477.3/21

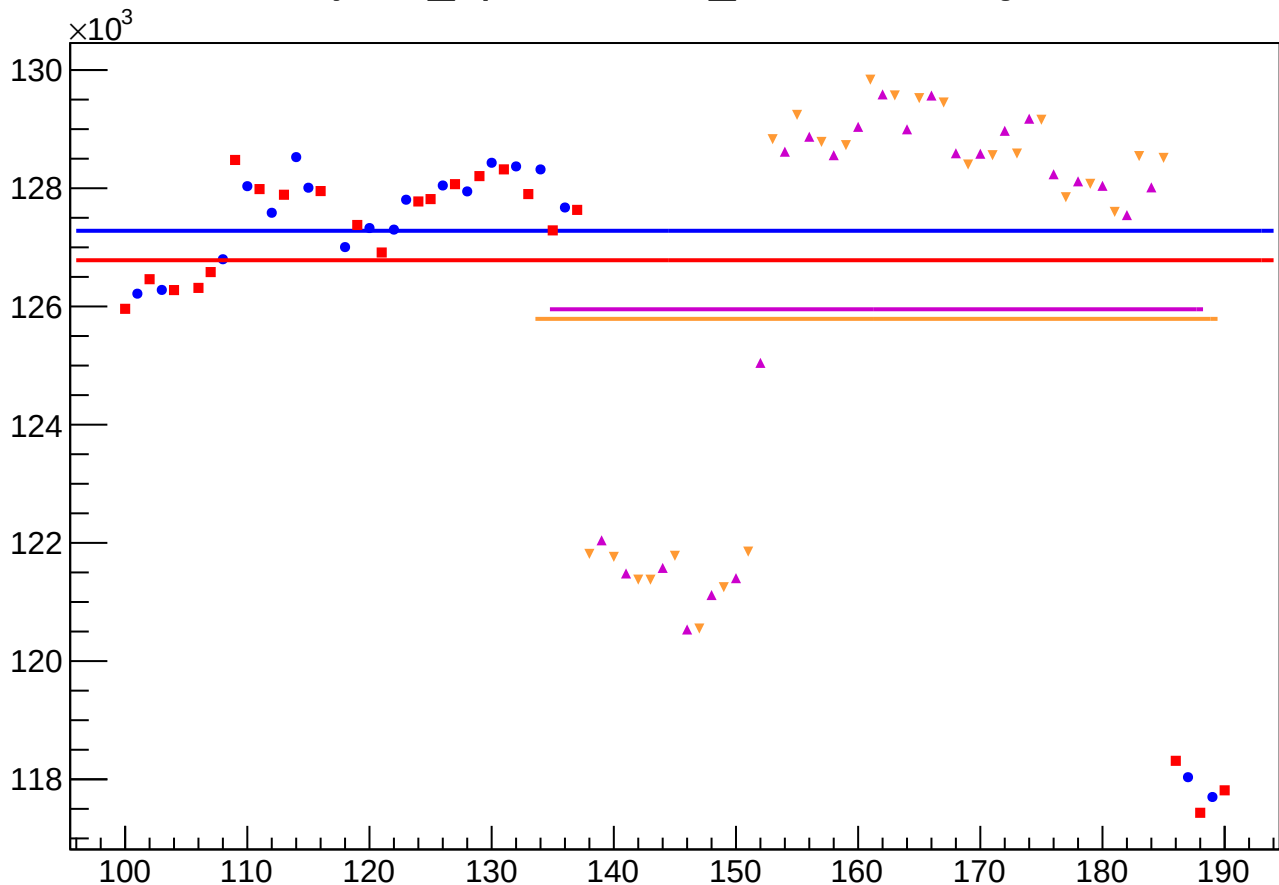
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 197.772 $\pm$ 0.029 χ^2 /NDF: 2003467.0/43

All: 195.981 $\pm$ 0.020 χ^2 /NDF: 4473112.6/88

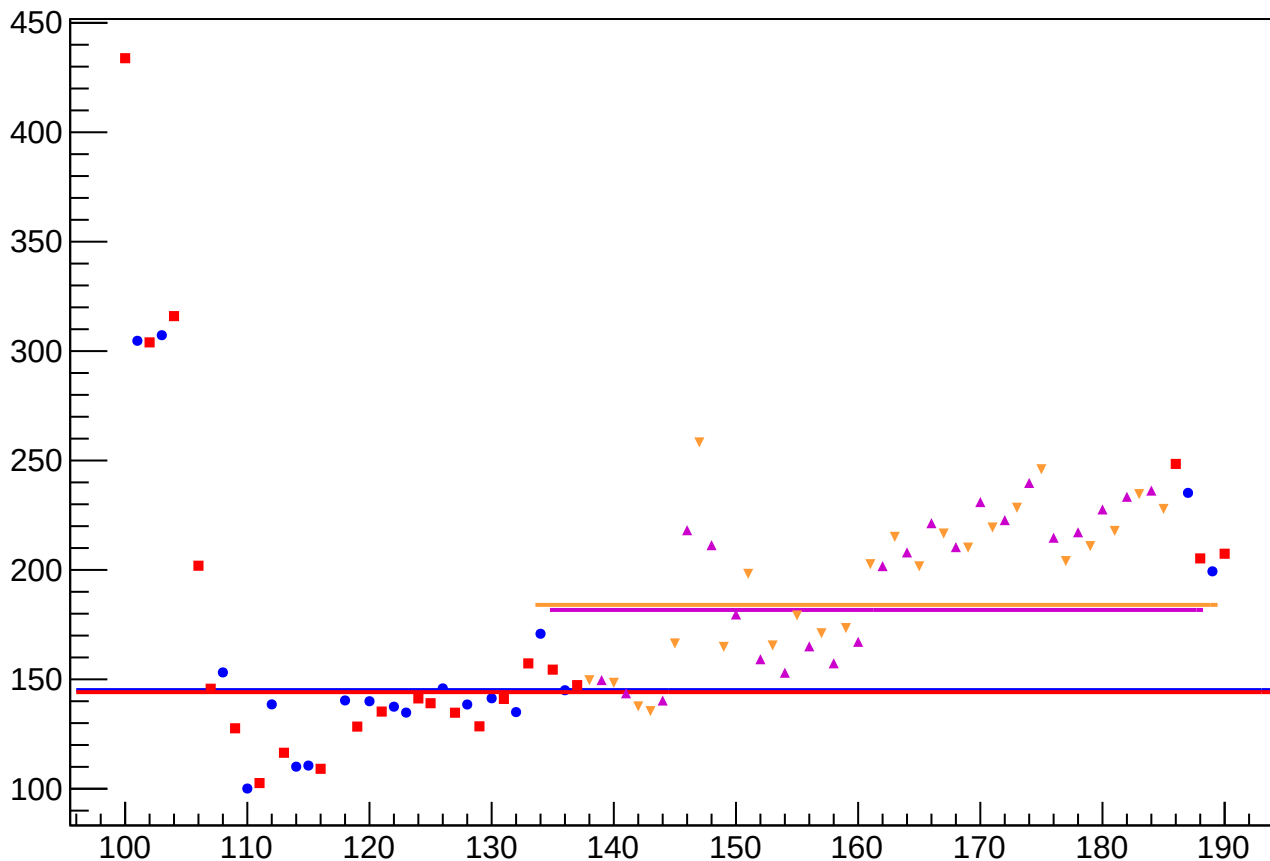
- sign 194.269 $\pm$ 0.028 χ^2 /NDF: 2461971.4/44

yield_bpm0l01WS_mean vs Slug



Right In: 127280.321 $\pm$ 0.057 χ^2/NDF : 1366376025.4/18
 Left Out: 125790.126 $\pm$ 0.044 χ^2/NDF : 6744310079.8/24
 Right Out: 126782.036 $\pm$ 0.052 χ^2/NDF : 3300030167.6/21
 Left In: 125952.447 $\pm$ 0.045 χ^2/NDF : 5841800367.5/22
 All: 126324.304 $\pm$ 0.024 χ^2/NDF : 17827359
 + sign 126344.503 $\pm$ 0.035 χ^2/NDF : 8538161692.5
 - sign 126305.222 $\pm$ 0.034 χ^2/NDF : 9288544475.0

yield_bpm0l01WS_rms vs Slug



Right In: 145.084 $\pm$ 0.040 χ^2 /NDF: 946955.7/18

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF: 1126592.5/24

Right Out: 144.151 $\pm$ 0.037 χ^2 /NDF: 1342888.4/21

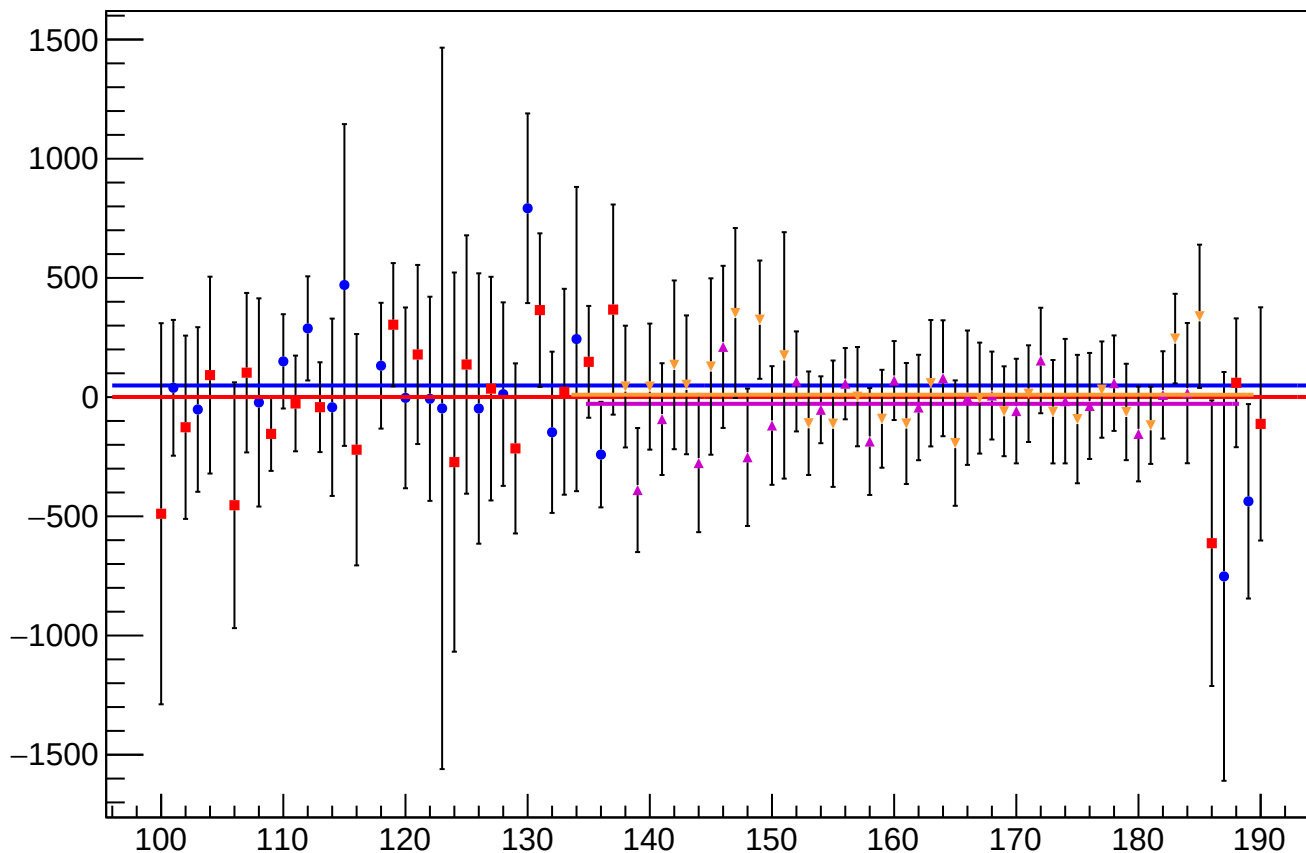
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 169.541 $\pm$ 0.025 χ^2 /NDF: 2657472.6/43

All: 167.587 $\pm$ 0.017 χ^2 /NDF: 5730313.3/88

- sign 165.741 $\pm$ 0.024 χ^2 /NDF: 3060601.9/44

asym_bcm_an_ds_mean vs Slug



Right In: 48.848 $\pm$ 78.019 χ^2 /NDF: 10.1/18

Left Out: 10.078 $\pm$ 47.488 χ^2 /NDF: 8.5/24

Right Out: 0.617 $\pm$ 66.799 χ^2 /NDF: 8.4/21

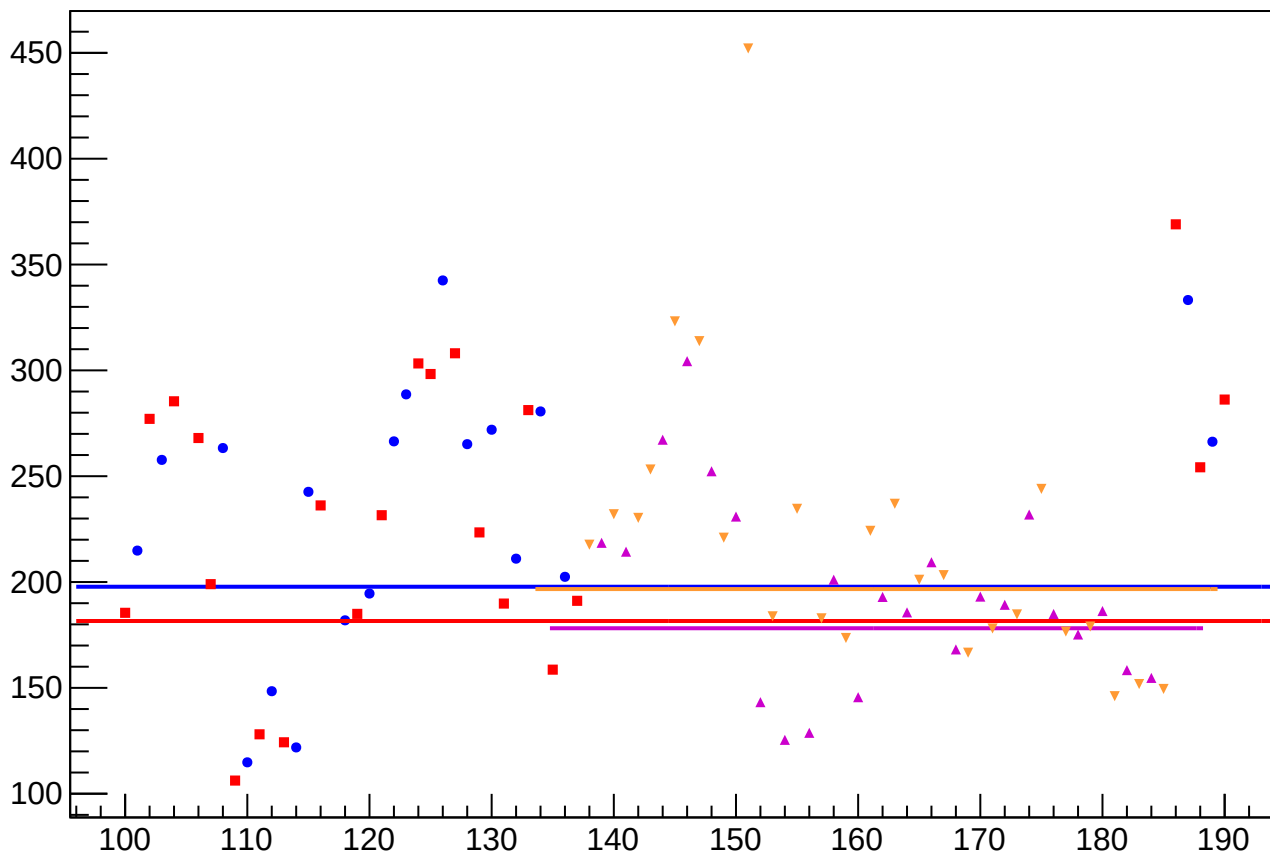
Left In: -28.050 $\pm$ 44.573 χ^2 /NDF: 7.0/22

+ sign 20.559 $\pm$ 40.565 χ^2 /NDF: 18.8/43

All: -1.113 $\pm$ 27.367 χ^2 /NDF: 34.7/88

- sign -19.218 $\pm$ 37.076 χ^2 /NDF: 15.4/44

asym_bcm_an_ds_rms vs Slug



Right In: 197.781+/-0.055 χ^2/NDF : 1129770.3/18

Left Out: 196.682+/-0.034 χ^2/NDF : 1782715.7/24

Right Out: 181.590+/-0.047 χ^2/NDF : 2043909.7/21

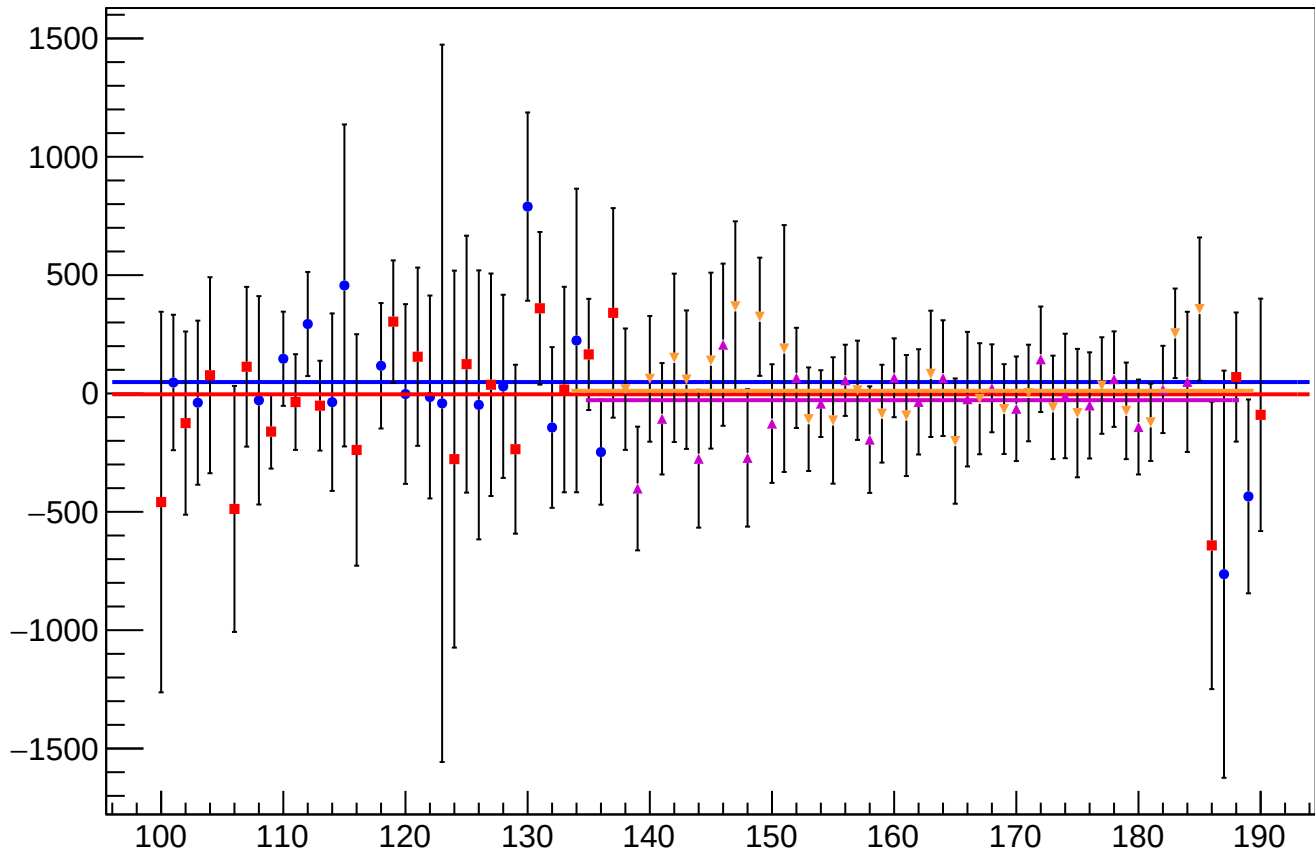
Left In: 178.166+/-0.032 χ^2/NDF : 1618967.9/22

+ sign 196.979+/-0.029 χ^2/NDF : 2912775.6/43

All: 187.303+/-0.019 χ^2/NDF : 6788121.7/88

- sign 179.221+/-0.026 χ^2/NDF : 3666514.4/44

asym_bcm_an_ds3_mean vs Slug



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: -3.487 $\pm$ 67.175 χ^2 /NDF: 8.6/21

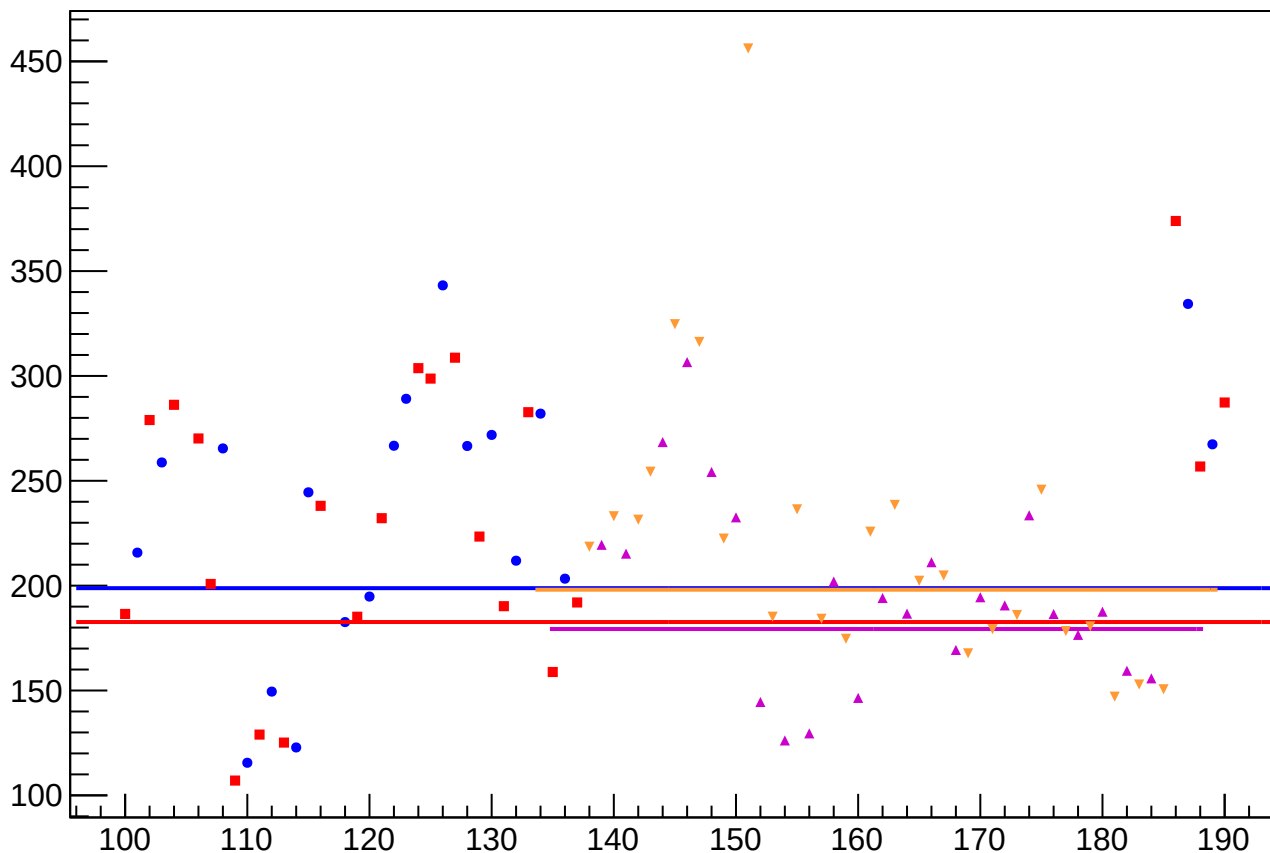
Left In: -28.280 $\pm$ 44.863 χ^2 /NDF: 7.1/22

+ sign 21.456 $\pm$ 40.824 χ^2 /NDF: 19.1/43

All: -1.478 $\pm$ 27.540 χ^2 /NDF: 35.4/88

- sign -20.633 $\pm$ 37.308 χ^2 /NDF: 15.8/44

asym_bcm_an_ds3_rms vs Slug



Right In: 198.802 $\pm$ 0.055 χ^2 /NDF: 1120602.6/18

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF: 1778526.5/24

Right Out: 182.657 $\pm$ 0.047 χ^2 /NDF: 2037285.1/21

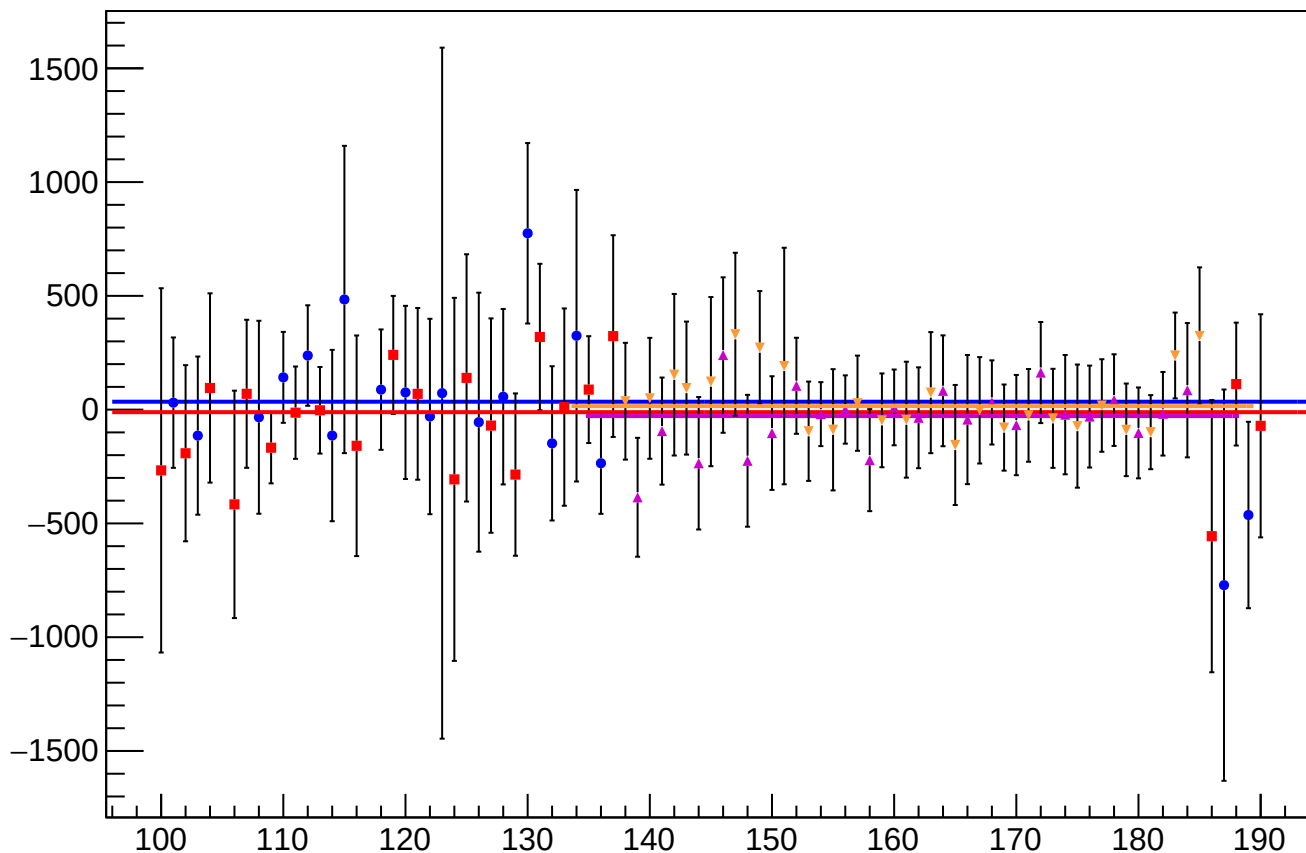
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF: 1618266.2/22

+ sign 198.260 $\pm$ 0.029 χ^2 /NDF: 2899260.1/43

All: 188.502 $\pm$ 0.019 χ^2 /NDF: 6767935.8/88

- sign 180.352 $\pm$ 0.026 χ^2 /NDF: 3658957.6/44

asym_bcm_an_us_mean vs Slug



Right In: 34.817 ± 78.393 χ^2/NDF : 9.9/18

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: -11.068 ± 67.050 χ^2/NDF : 6.9/21

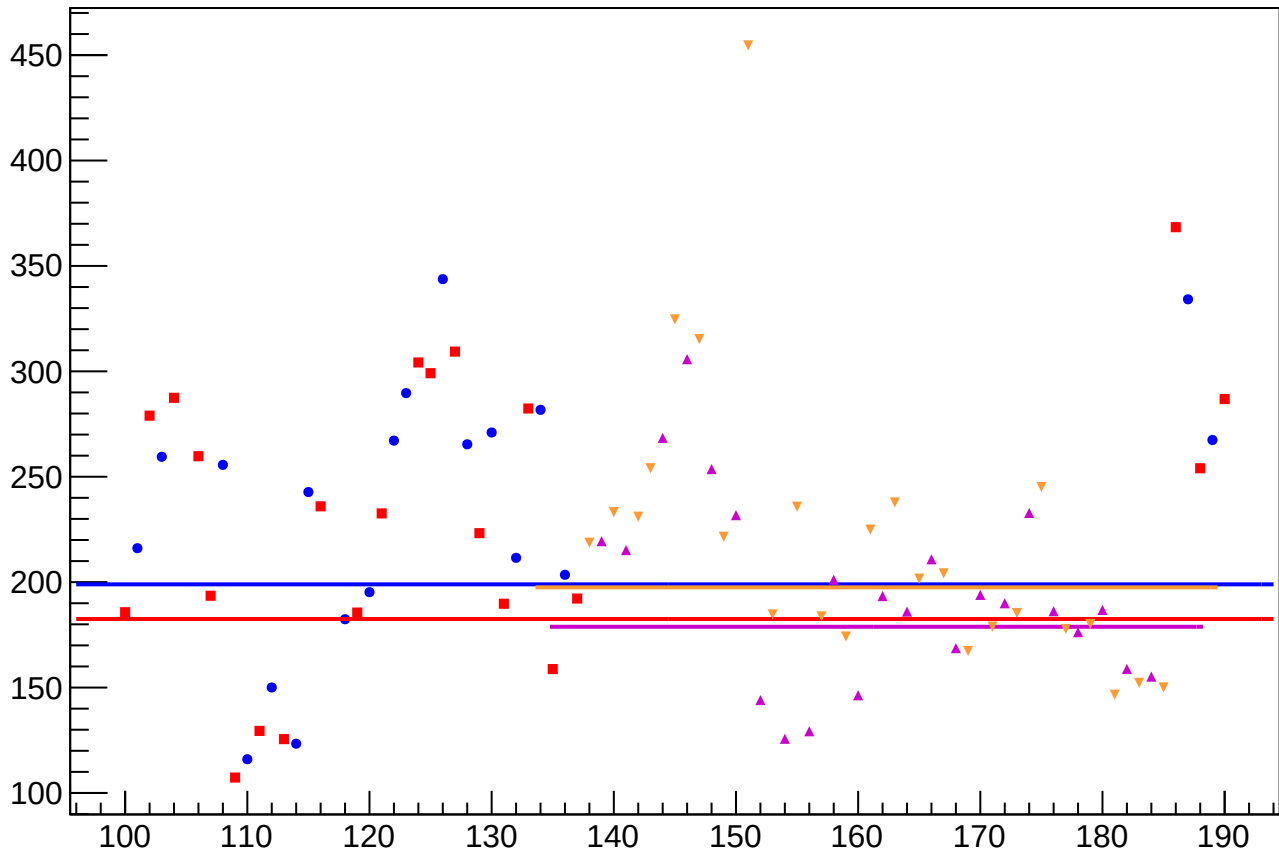
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign 20.673 ± 40.746 χ^2/NDF : 16.9/43

All: -3.122 ± 27.480 χ^2/NDF : 30.8/88

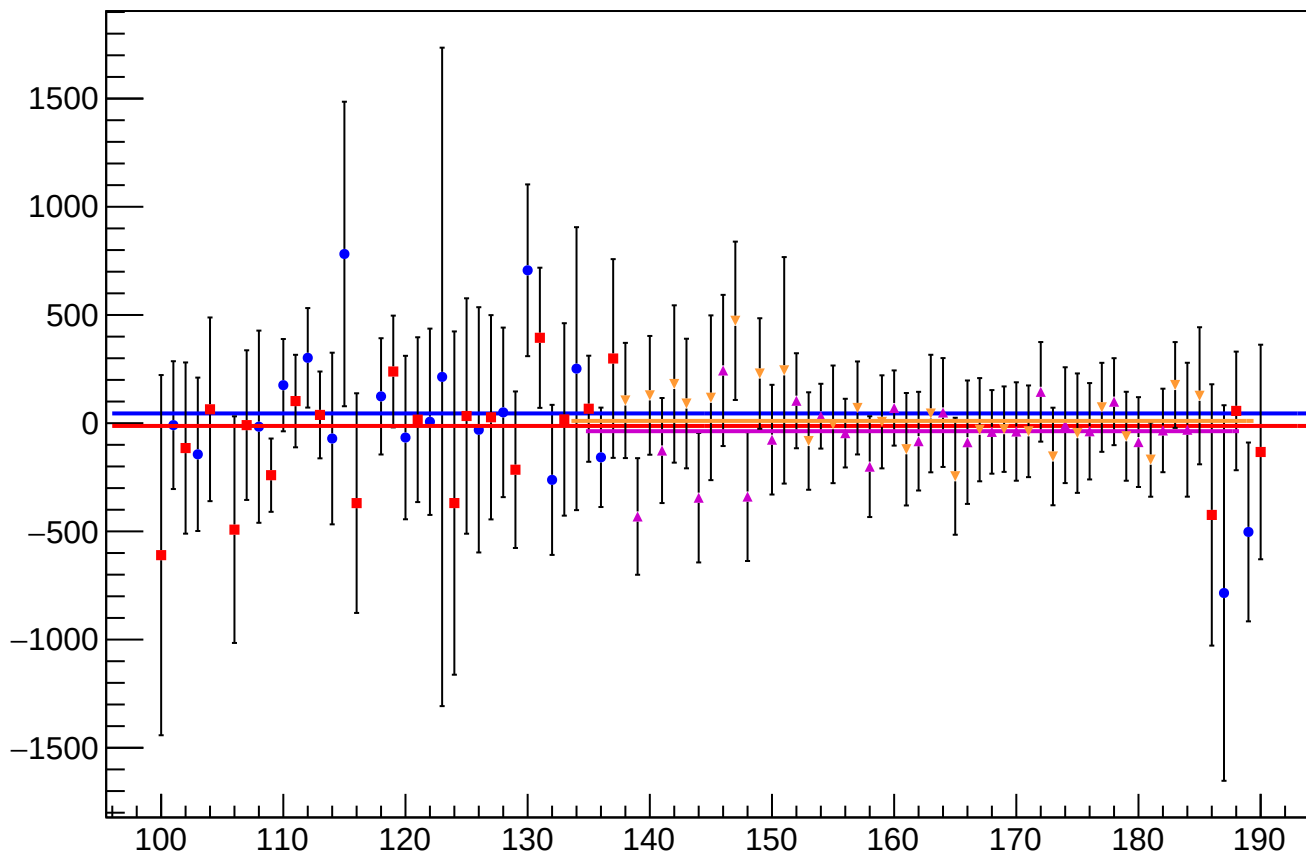
- sign -22.975 ± 37.218 χ^2/NDF : 13.3/44

asym_bcm_an_us_rms vs Slug



Right In: 198.960 $\pm$ 0.055	χ^2 /NDF: 1098169.6/18	+ sign 197.914 $\pm$ 0.029	χ^2 /NDF: 2882882.6/43
Left Out: 197.527 $\pm$ 0.034	χ^2 /NDF: 1784225.5/24	All: 188.135 $\pm$ 0.019	χ^2 /NDF: 6720986.4/88
Right Out: 182.534 $\pm$ 0.047	χ^2 /NDF: 2000281.6/21	- sign 179.975 $\pm$ 0.026	χ^2 /NDF: 3626758.9/44
Left In: 178.836 $\pm$ 0.032	χ^2 /NDF: 1622266.9/22		

asym_bcm_dg_us_mean vs Slug



Right In: 45.039 $\pm$ 80.779 χ^2 /NDF: 10.5/18

Left Out: 10.534 $\pm$ 49.197 χ^2 /NDF: 7.5/24

Right Out: -12.785 $\pm$ 69.678 χ^2 /NDF: 8.3/21

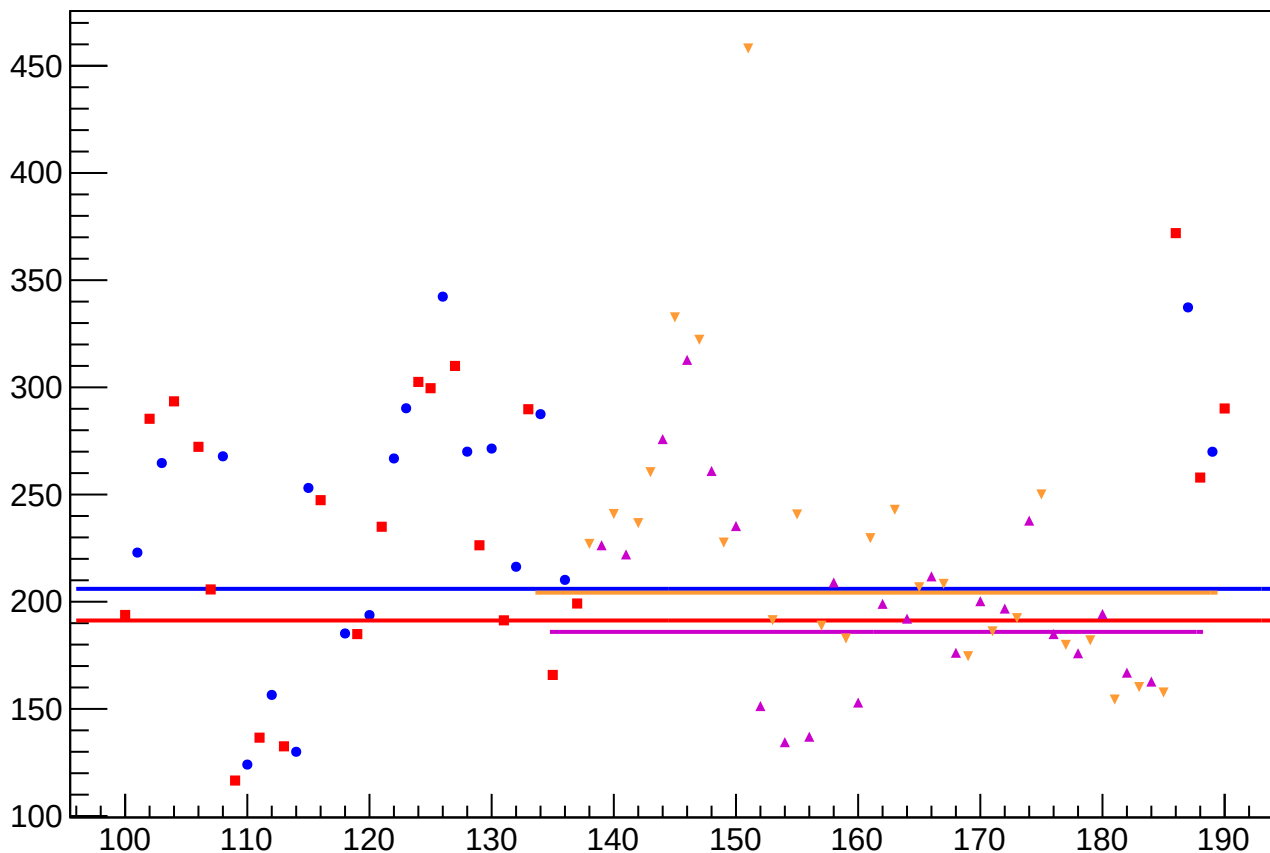
Left In: -37.000 $\pm$ 46.358 χ^2 /NDF: 7.9/22

+ sign 19.870 $\pm$ 42.017 χ^2 /NDF: 18.1/43

All: -6.945 $\pm$ 28.424 χ^2 /NDF: 35.1/88

- sign -29.570 $\pm$ 38.596 χ^2 /NDF: 16.3/44

asym_bcm_dg_us_rms vs Slug



Right In: 206.009 $\pm$ 0.057 χ^2 /NDF: 981550.6/18

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 191.248 $\pm$ 0.049 χ^2 /NDF: 1784844.2/21

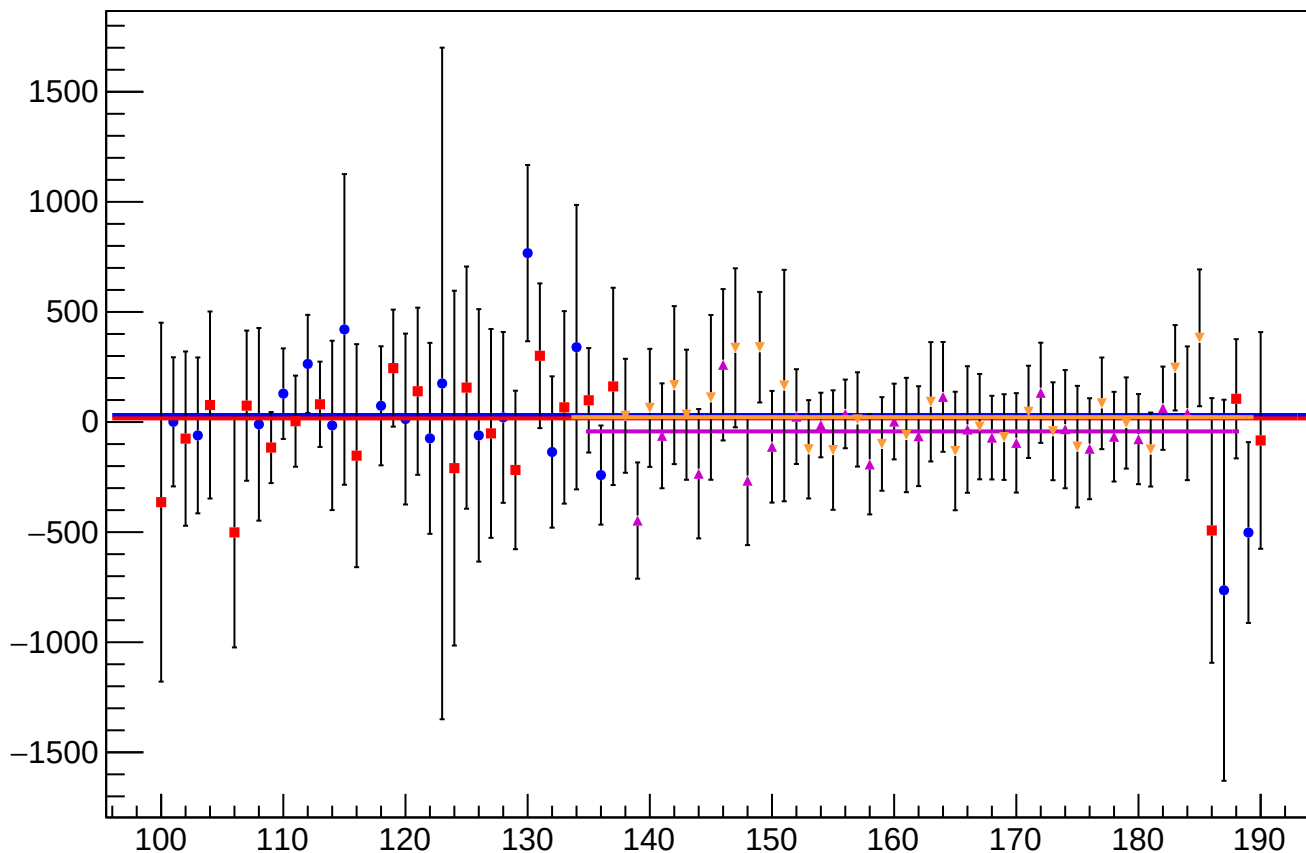
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 204.716 $\pm$ 0.030 χ^2 /NDF: 2657919.5/43

All: 195.412 $\pm$ 0.020 χ^2 /NDF: 6091677.3/88

- sign 187.563 $\pm$ 0.027 χ^2 /NDF: 3252979.2/44

asym_bcm_dg_ds_mean vs Slug



Right In: 31.927 ± 79.749 χ^2/NDF : 9.7/18

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 16.615 ± 68.373 χ^2/NDF : 5.5/21

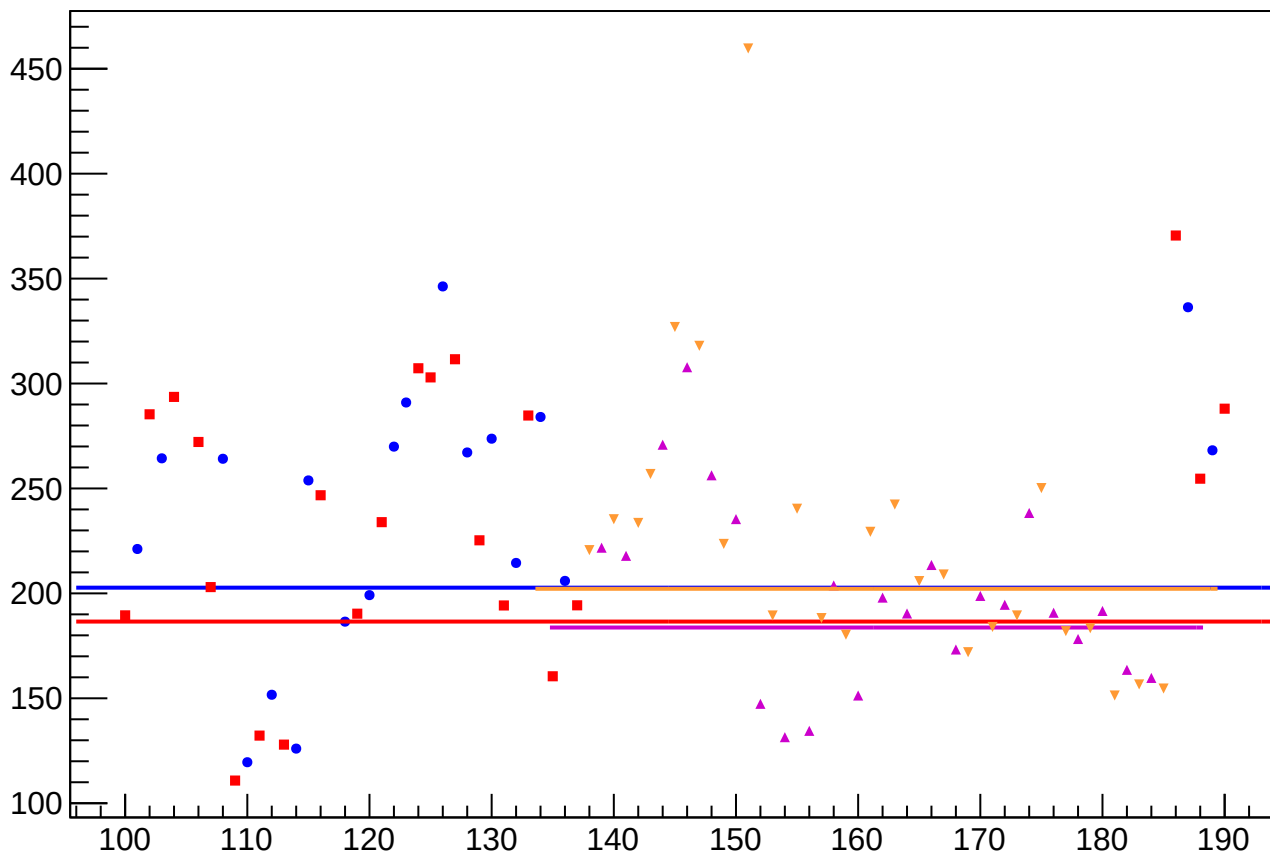
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign 24.837 ± 41.587 χ^2/NDF : 18.1/43

All: -1.788 ± 28.087 χ^2/NDF : 31.6/88

- sign -24.120 ± 38.087 χ^2/NDF : 12.7/44

asym_bcm_dg_ds_rms vs Slug



Right In: 202.721 $\pm$ 0.056 χ^2 /NDF: 1068562.9/18

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF:1696571.9/24

Right Out: 186.565 $\pm$ 0.048 χ^2 /NDF: 1954001.3/21

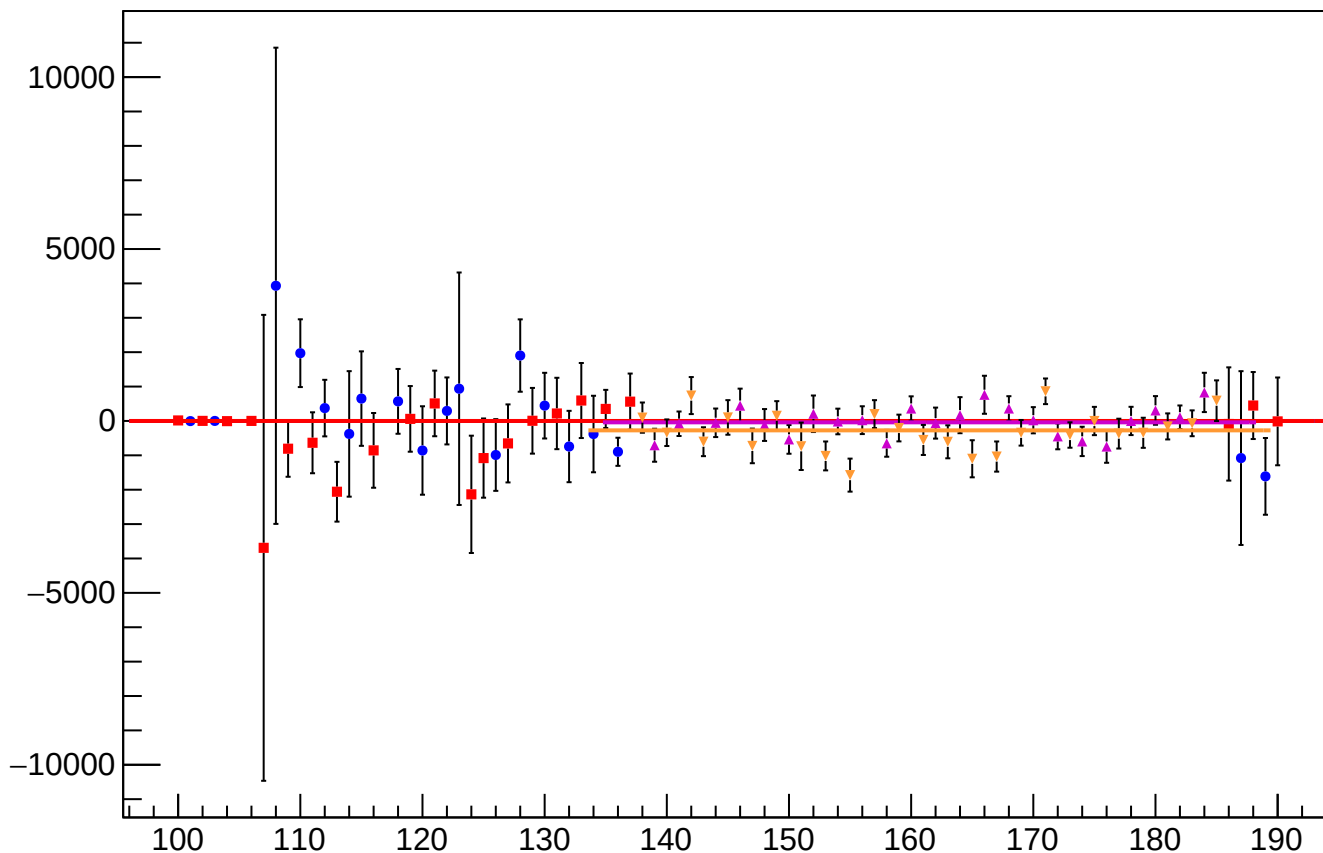
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF:1495930.4/22

+ sign 202.332 $\pm$ 0.029 χ^2 /NDF: 2765200.3/43

All: 192.694 $\pm$ 0.020 χ^2 /NDF: 6414986.8/88

- sign 184.611 $\pm$ 0.027 χ^2 /NDF: 3452300.0/44

asym_cav4bQ_mean vs Slug



Right In: -1.536 ± 2.251 χ^2/NDF : 19.2/18

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.729 ± 2.111 χ^2/NDF : 18.4/21

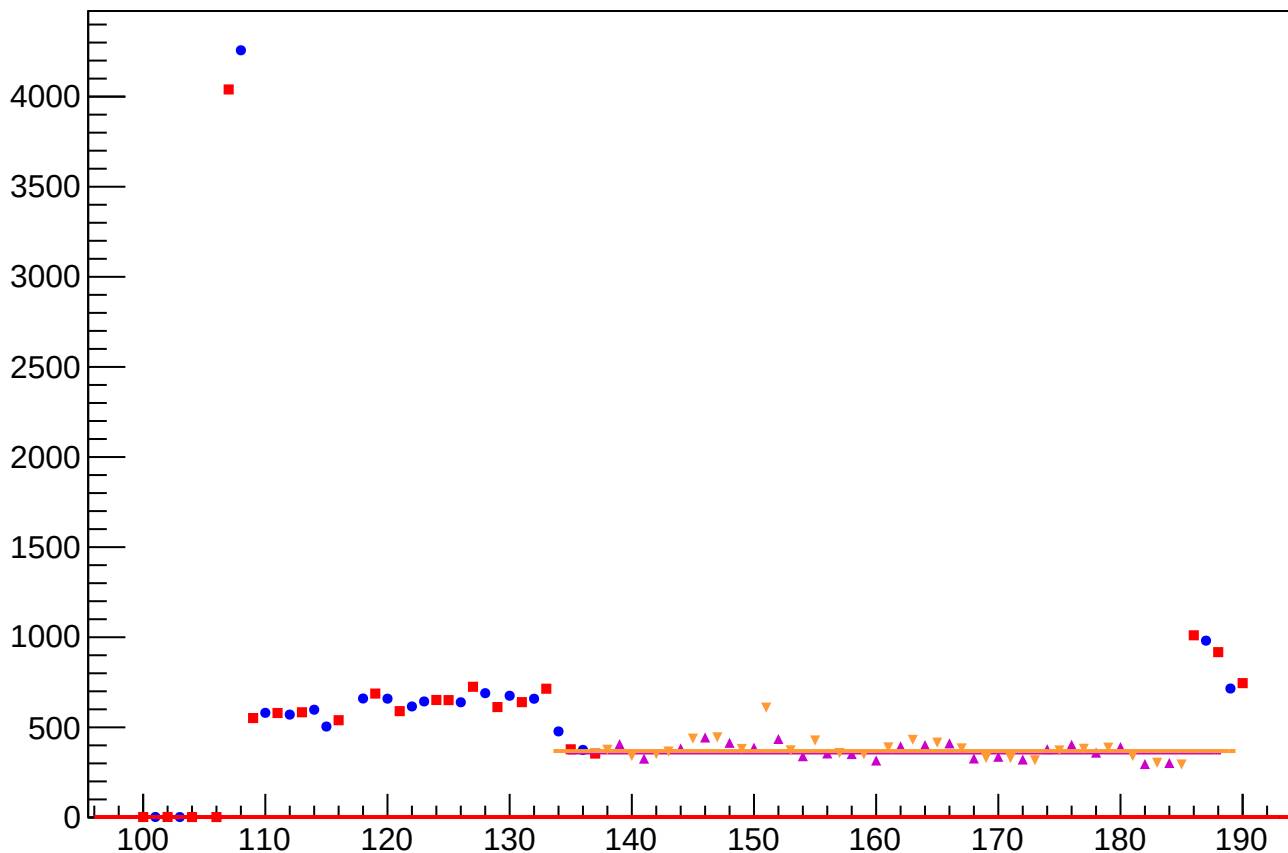
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.719 ± 2.251 χ^2/NDF : 67.3/43

All: -1.204 ± 1.540 χ^2/NDF : 106.2/88

- sign -0.752 ± 2.111 χ^2/NDF : 38.8/44

asym_cav4bQ_rms vs Slug



Right In: 2.460+/-0.002 χ^2/NDF : 11783286.9/18

Left Out: 368.500+/-0.061 χ^2/NDF : 623011.6/24

Right Out: 2.444+/-0.001 χ^2/NDF : 14285275.8/21

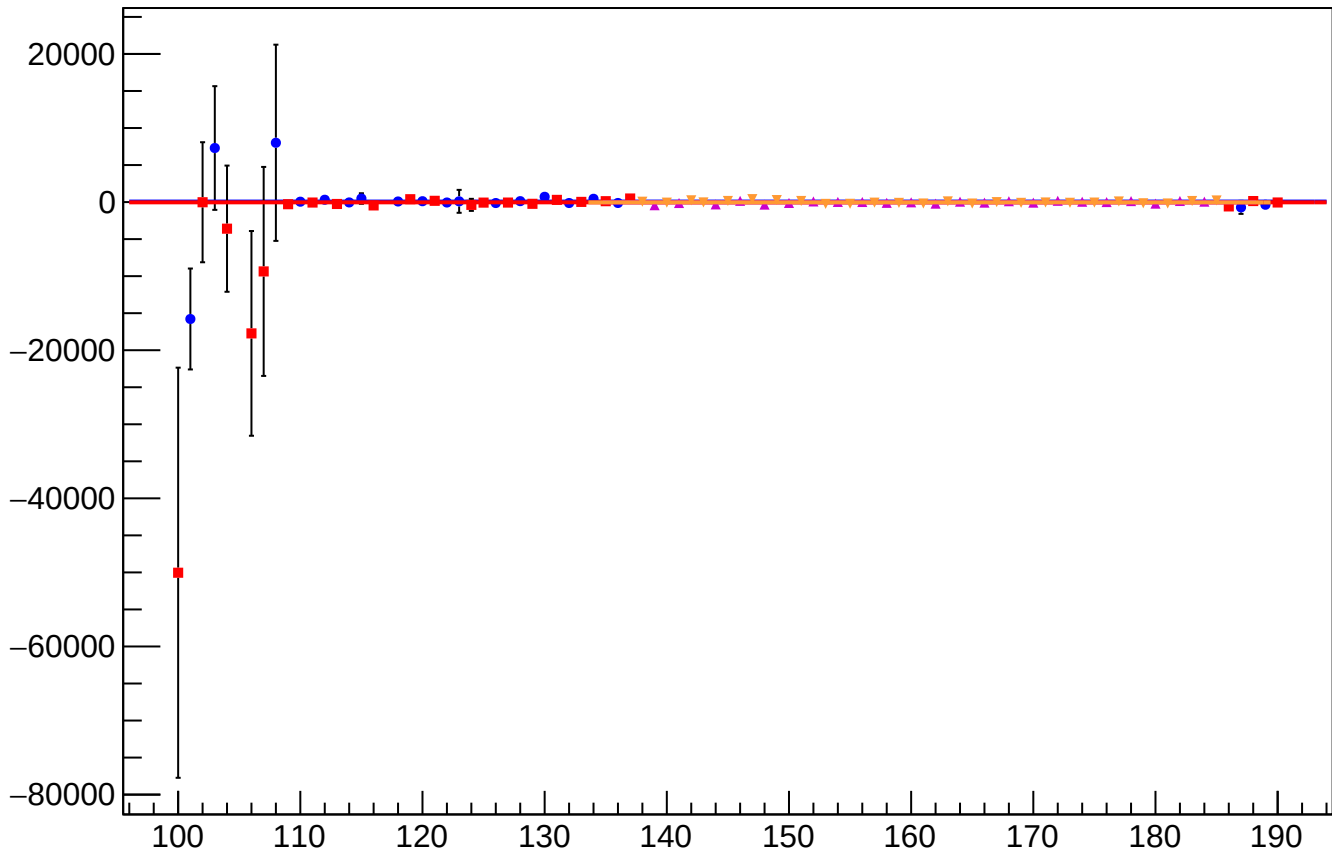
Left In: 360.571+/-0.062 χ^2/NDF : 421995.5/22

+ sign 2.705+/-0.002 χ^2/NDF : 47892877.6/43

All: 2.677+/-0.001 χ^2/NDF : 96107539.2/88

- sign 2.653+/-0.001 χ^2/NDF : 48214087.1/44

asym_cav4cQ_mean vs Slug



Right In: 69.876 $\pm$ 89.394 χ^2 /NDF: 14.0/18

Left Out: -39.036 $\pm$ 49.576 χ^2 /NDF: 9.1/24

Right Out: -33.490 $\pm$ 79.167 χ^2 /NDF: 15.3/21

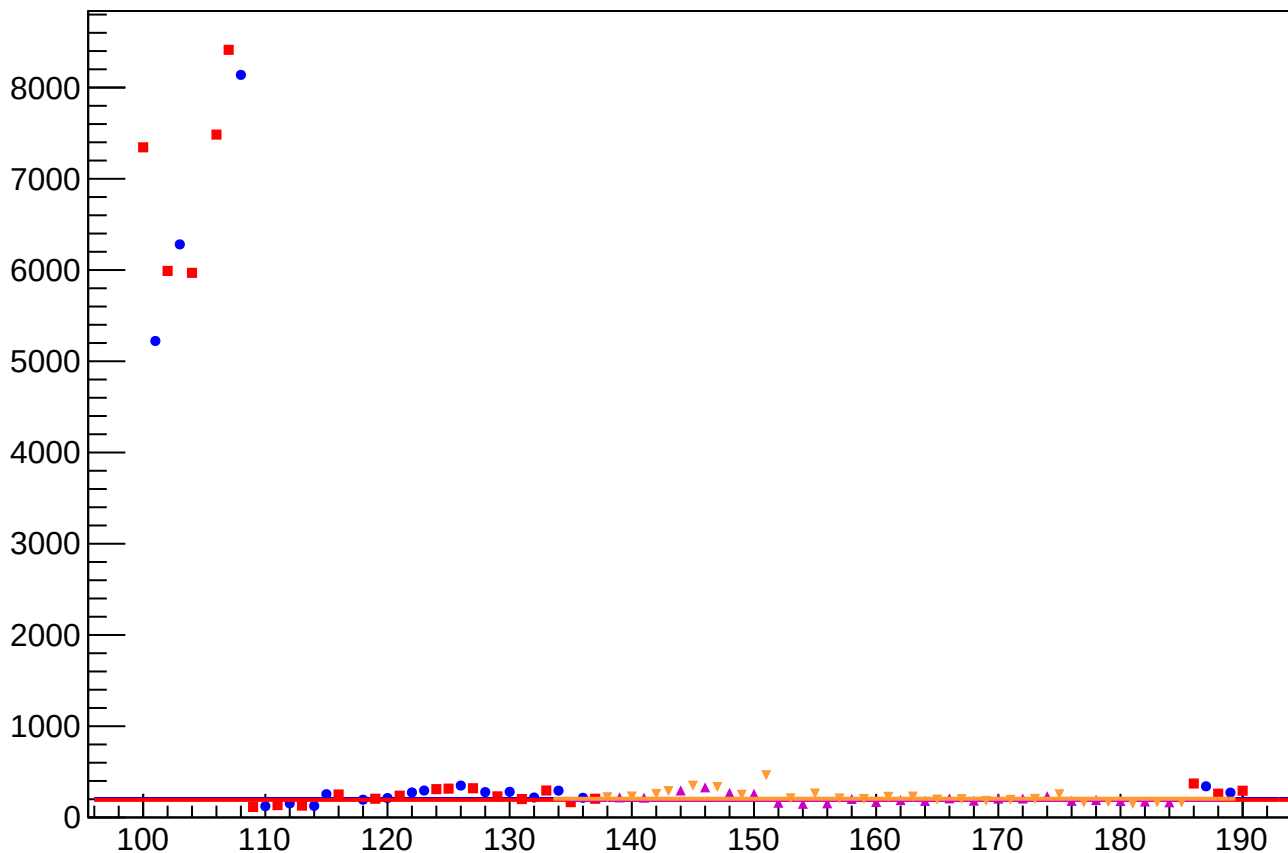
Left In: -28.062 $\pm$ 48.032 χ^2 /NDF: 9.6/22

+ sign -13.418 $\pm$ 43.355 χ^2 /NDF: 24.2/43

All: -21.907 $\pm$ 29.814 χ^2 /NDF: 49.3/88

- sign -29.522 $\pm$ 41.065 χ^2 /NDF: 24.9/44

asym_cav4cQ_rms vs Slug



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: 192.515+/-0.056 χ^2/NDF : 4739525.6/21

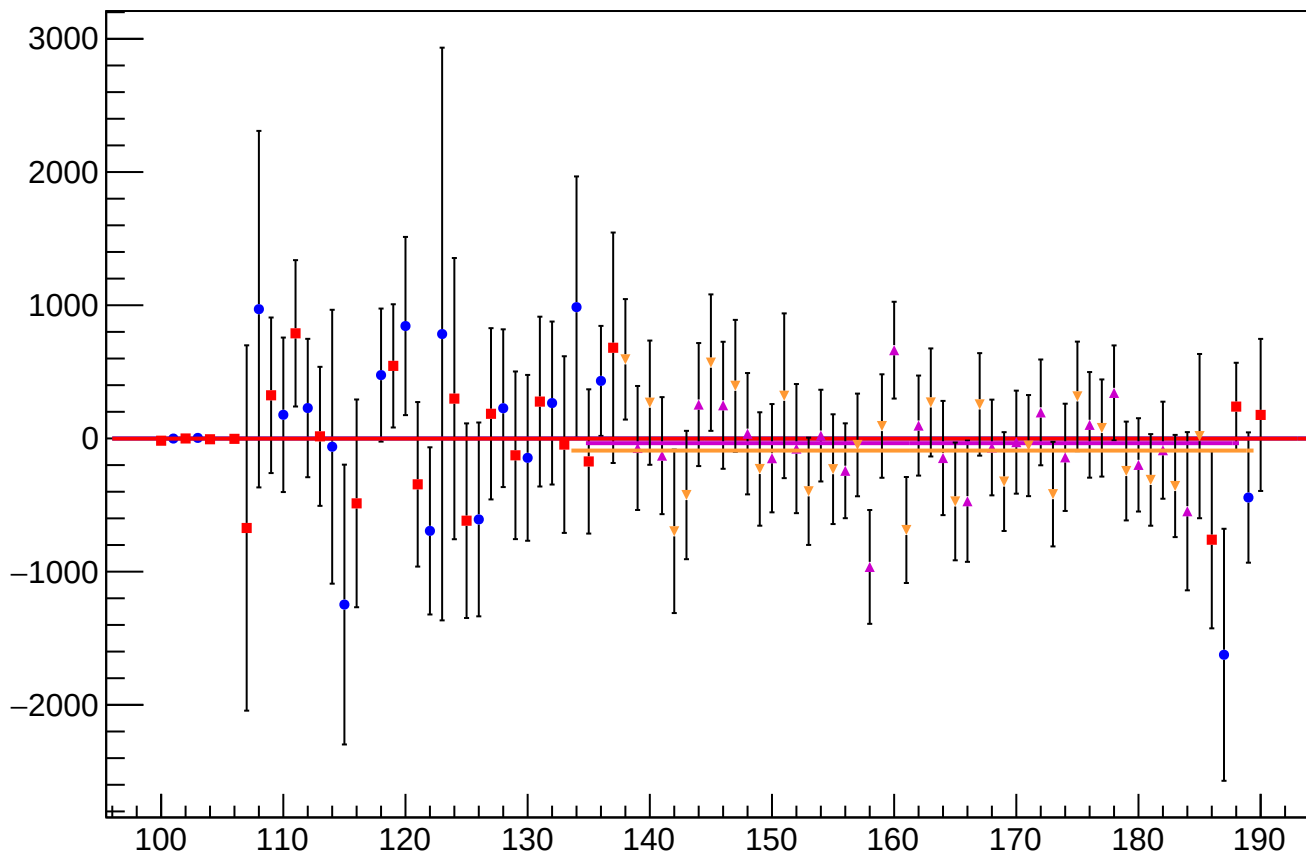
Left In: 193.616+/-0.034 χ^2/NDF : 1179471.1/22

+ sign 204.514+/-0.031 χ^2/NDF : 5769651.0/43

All: 198.613+/-0.021 χ^2/NDF : 11759211.1/88

- sign 193.320+/-0.029 χ^2/NDF : 5919279.6/44

asym_cav4dQ_mean vs Slug



Right In: -0.152 ± 1.737 χ^2/NDF : 13.9/18

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.320 ± 1.623 χ^2/NDF : 11.2/21

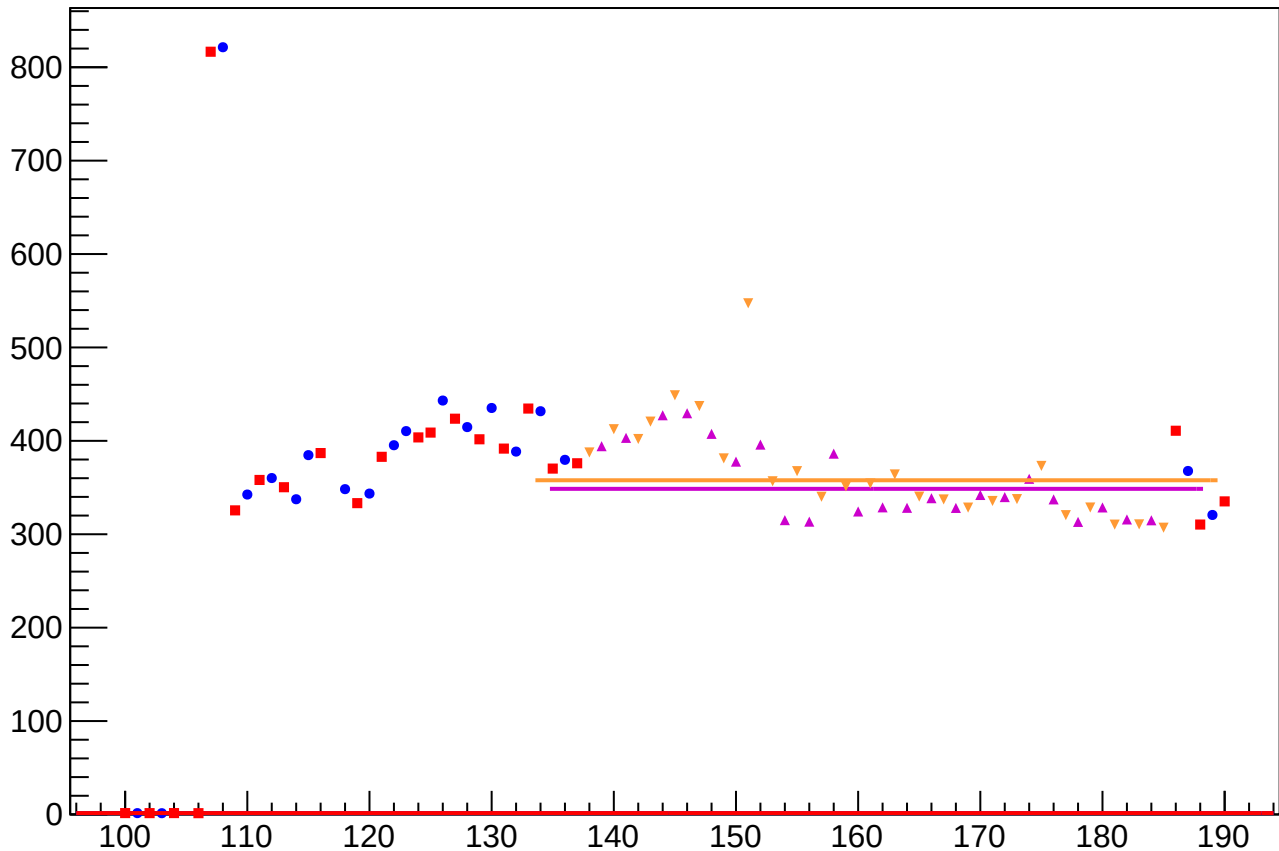
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.191 ± 1.736 χ^2/NDF : 31.5/43

All: -0.800 ± 1.185 χ^2/NDF : 56.5/88

- sign -1.333 ± 1.622 χ^2/NDF : 24.8/44

asym_cav4dQ_rms vs Slug



Right In: 1.457 $\pm$ 0.001 χ^2 /NDF: 11923143.1/18

Left Out: 357.804 $\pm$ 0.059 χ^2 /NDF: 547036.5/24

Right Out: 1.464 $\pm$ 0.001 χ^2 /NDF: 14035746.1/21

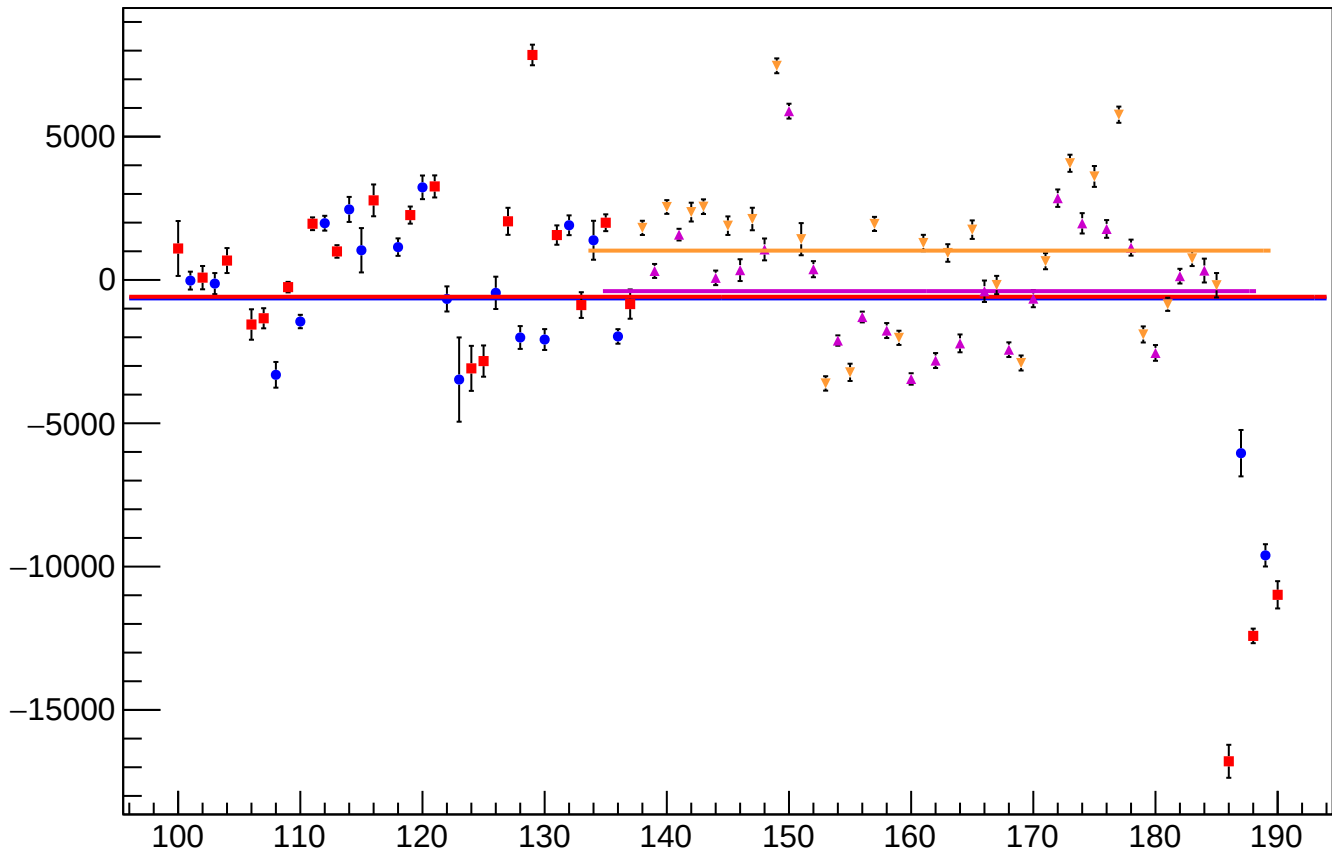
Left In: 348.611 $\pm$ 0.060 χ^2 /NDF: 362511.2/22

+ sign 1.609 $\pm$ 0.001 χ^2 /NDF: 48380580.4/43

All: 1.600 $\pm$ 0.001 χ^2 /NDF: 96616128.3/88

- sign 1.592 $\pm$ 0.001 χ^2 /NDF: 48235441.2/44

asym_bcm0l02_mean vs Slug



Right In: -643.837 ± 85.640 χ^2/NDF : 1032.3/18

Left Out: 1023.439 ± 57.338 χ^2/NDF : 2309.4/24

Right Out: -586.604 ± 73.449 χ^2/NDF : 4603.9/21

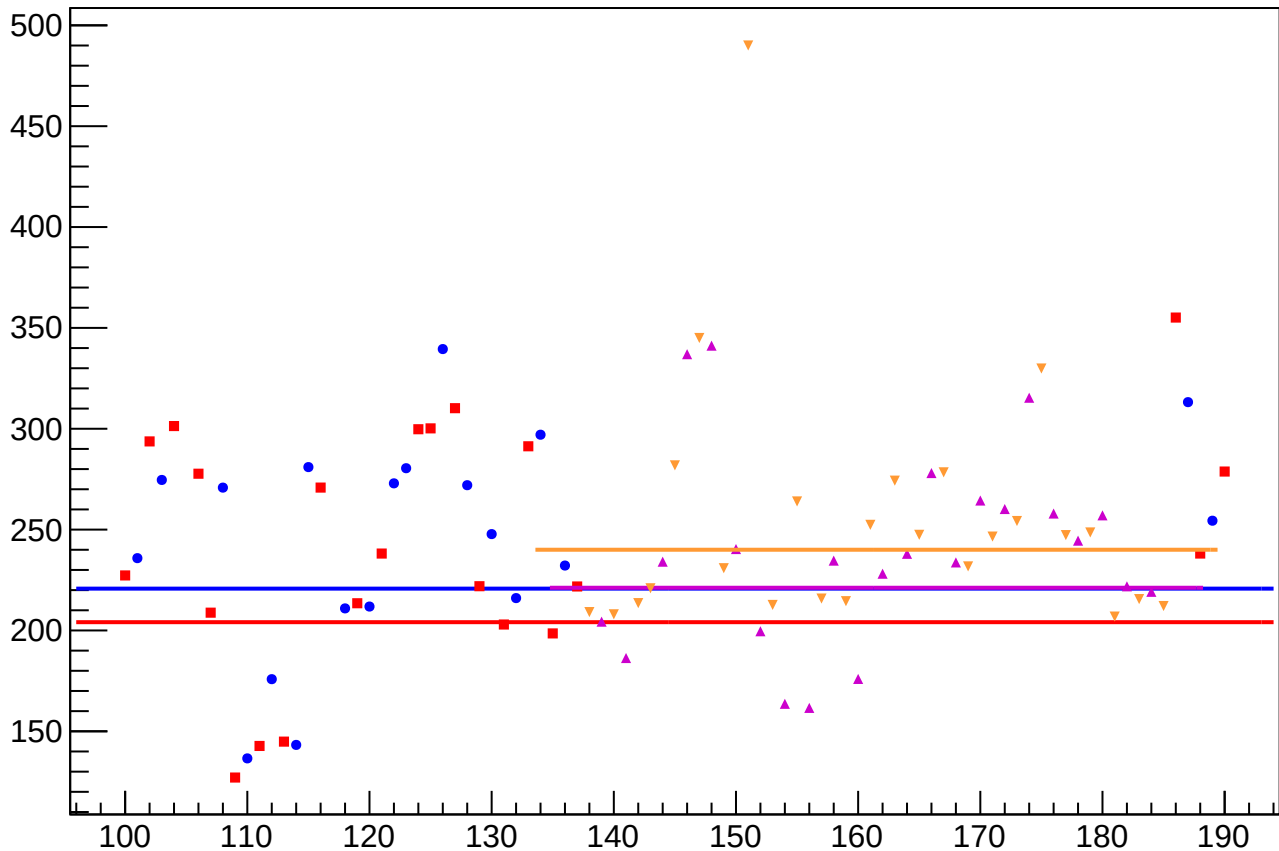
Left In: -390.237 ± 54.931 χ^2/NDF : 1584.9/22

+ sign 507.390 ± 47.645 χ^2/NDF : 3603.3/43

All: -15.201 ± 32.321 χ^2/NDF : 10019.6/88

- sign -460.674 ± 43.990 χ^2/NDF : 6193.4/44

asym_bcm0l02_rms vs Slug



Right In: 220.736 $\pm$ 0.061 χ^2 /NDF: 705186.3/18

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 204.103 $\pm$ 0.052 χ^2 /NDF: 1433293.7/21

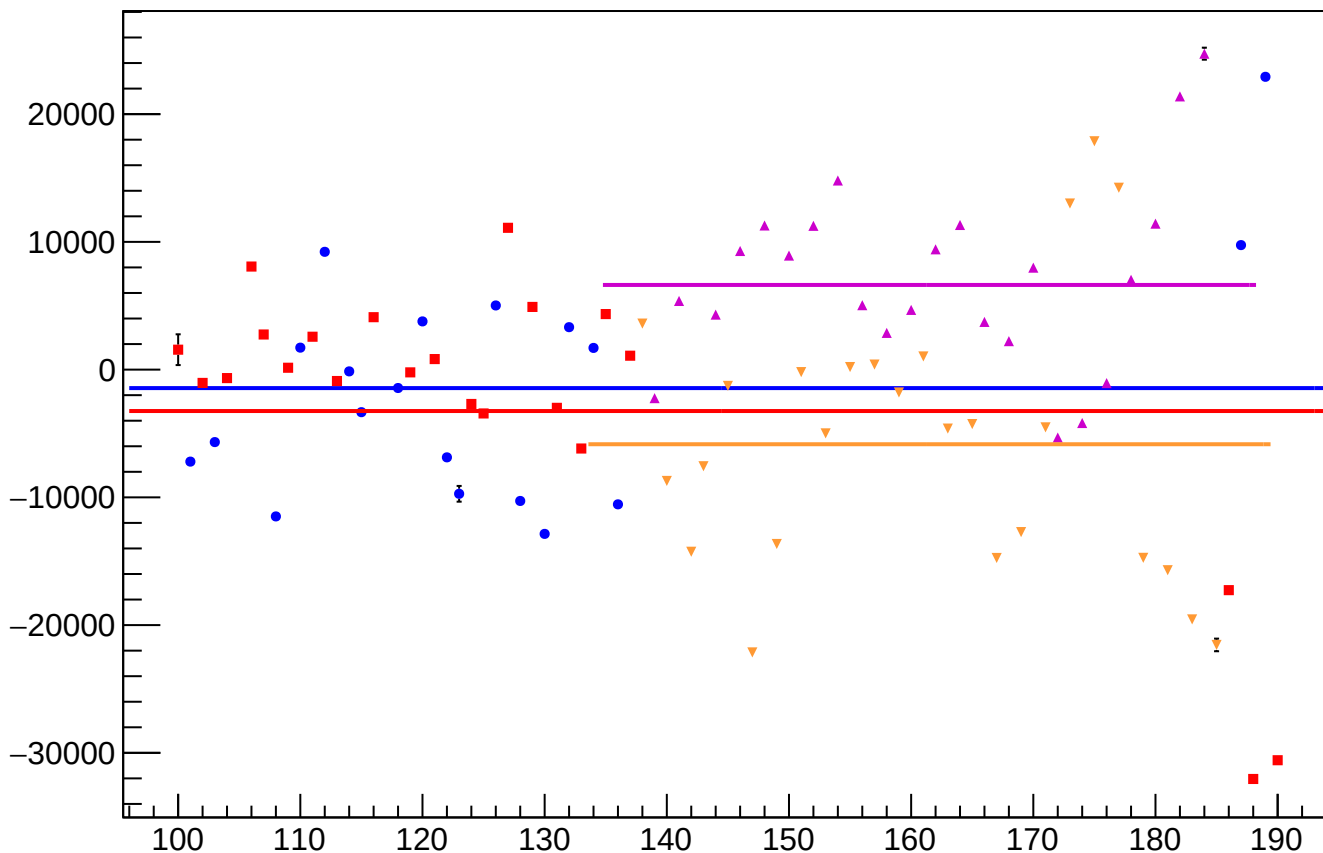
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 234.051 $\pm$ 0.034 χ^2 /NDF: 1777631.2/43

All: 223.793 $\pm$ 0.023 χ^2 /NDF: 4794420.6/88

- sign 215.050 $\pm$ 0.031 χ^2 /NDF: 2845084.0/44

asym_bpm2i01WS_mean vs Slug



Right In: -1446.436+/-47.042 χ^2/NDF : 36027.2/18

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -3241.928+/-42.571 χ^2/NDF : 76020.4/21

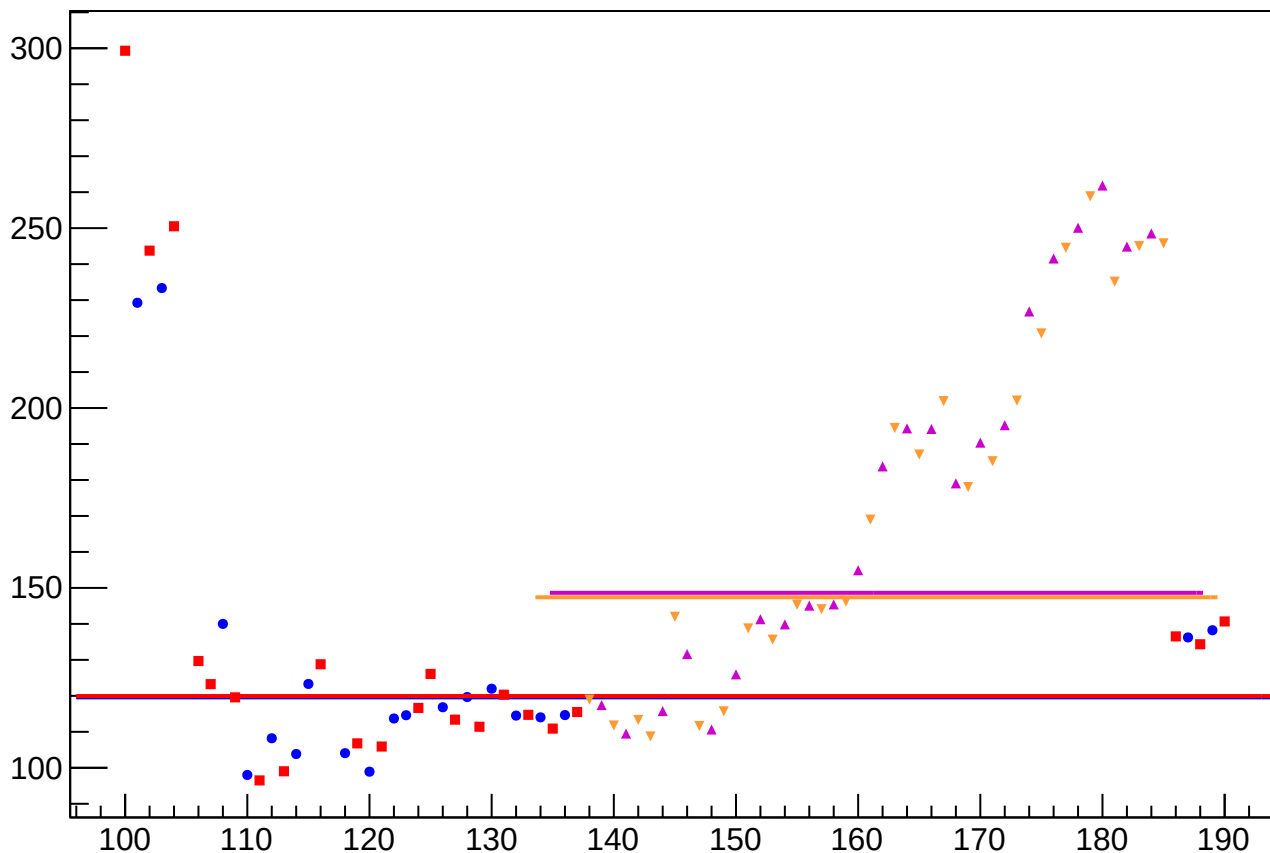
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -4226.953+/-28.512 χ^2/NDF : 104947.0/43

All: -873.149+/-19.976 χ^2/NDF : 260389.0/88

- sign 2360.042+/-27.995 χ^2/NDF : 128268.0/44

asym_bpm2i01WS_rms vs Slug



Right In: 119.577 $\pm$ 0.033 χ^2 /NDF: 658356.7/18

Left Out: 147.396 $\pm$ 0.025 χ^2 /NDF: 2517097.1/24

Right Out: 119.952 $\pm$ 0.030 χ^2 /NDF: 744544.4/21

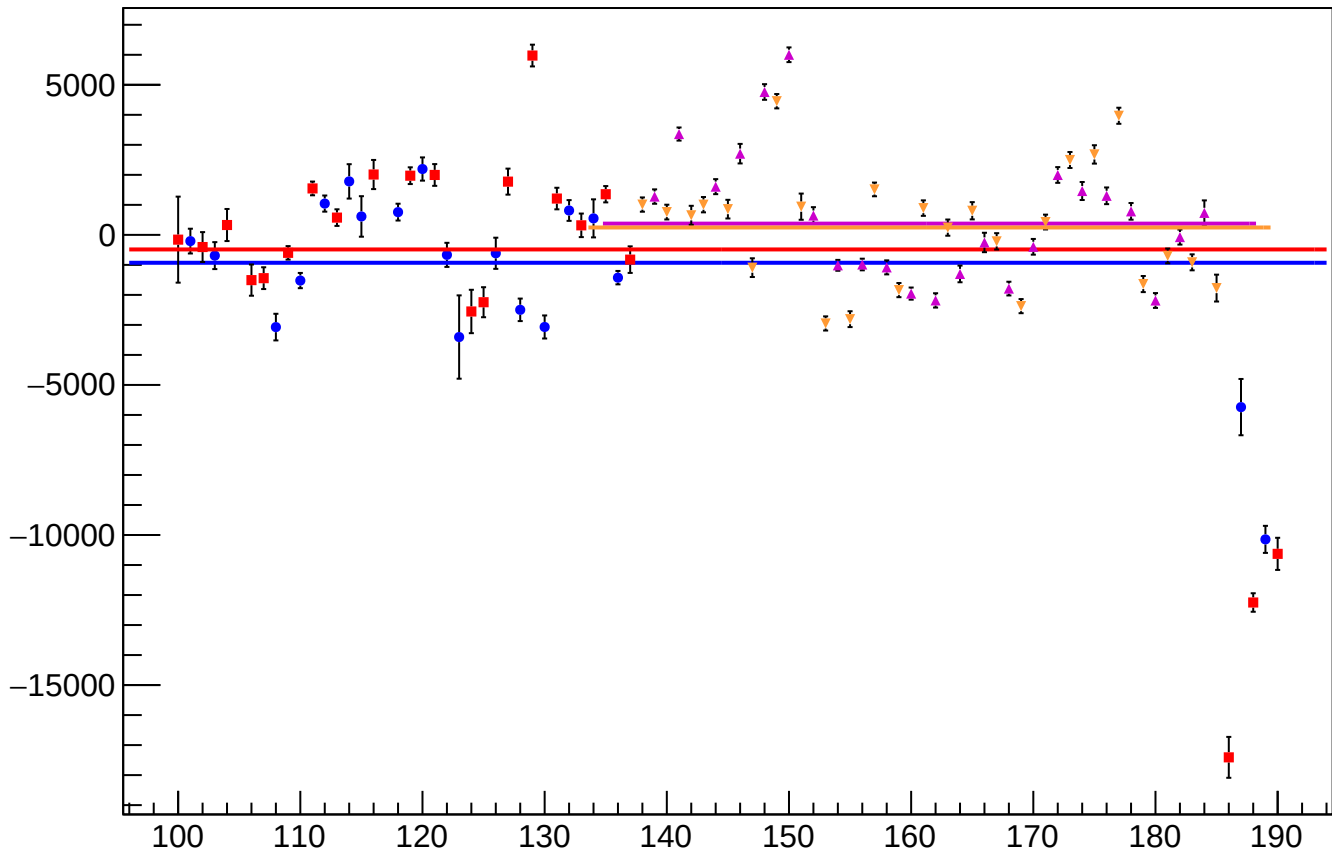
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF: 2415531.9/22

+ sign 137.176 $\pm$ 0.020 χ^2 /NDF: 3617956.0/43

All: 136.697 $\pm$ 0.014 χ^2 /NDF: 7294693.2/88

- sign 136.235 $\pm$ 0.020 χ^2 /NDF: 3675628.4/44

asym_bpm0i07WS_mean vs Slug



Right In: -929.490 ± 87.314 χ^2/NDF : 747.7/18

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -485.356 ± 78.103 χ^2/NDF : 3127.6/21

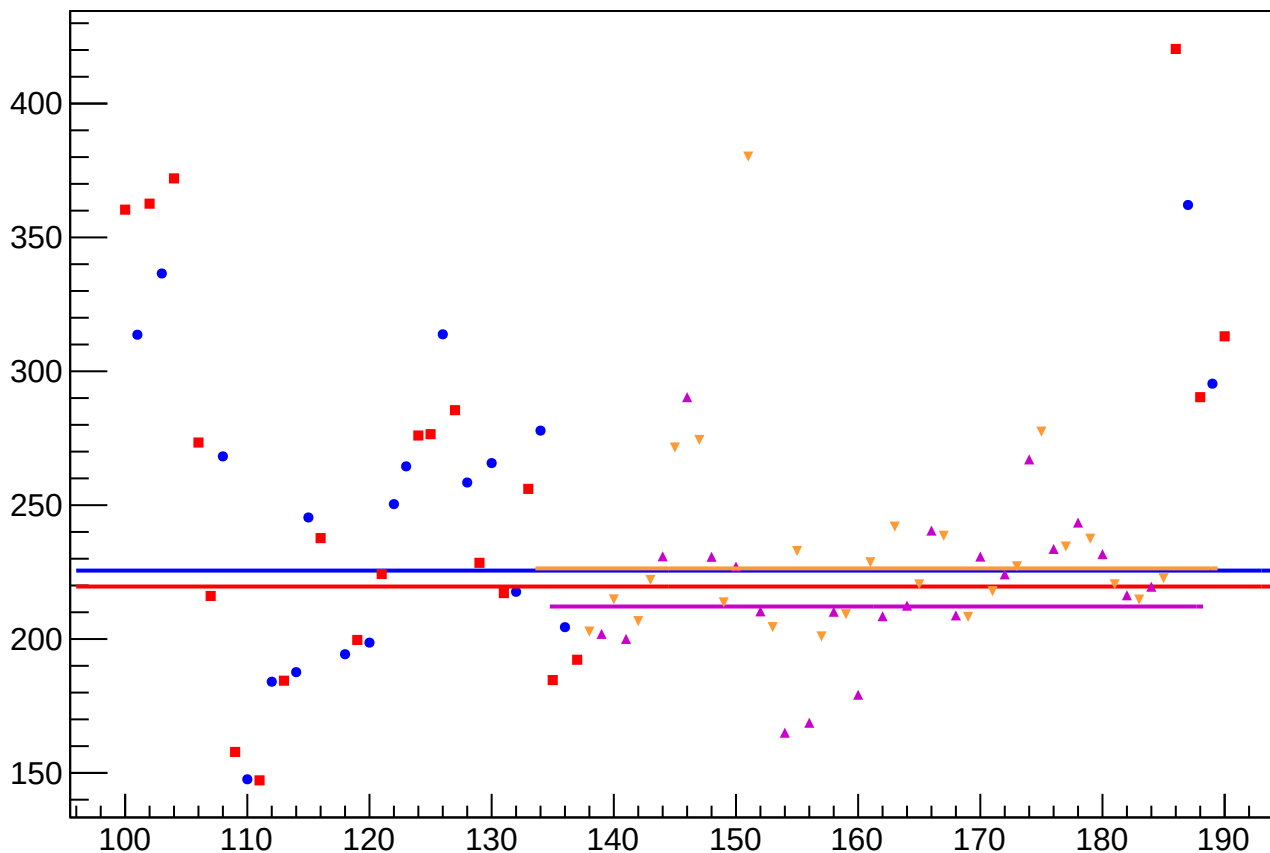
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -74.701 ± 45.613 χ^2/NDF : 2234.3/43

All: 23.220 ± 31.374 χ^2/NDF : 7253.0/88

- sign 111.146 ± 43.222 χ^2/NDF : 5009.9/44

asym_bpm0i07WS_rms vs Slug



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: 219.613 $\pm$ 0.055 χ^2 /NDF: 1249641.6/21

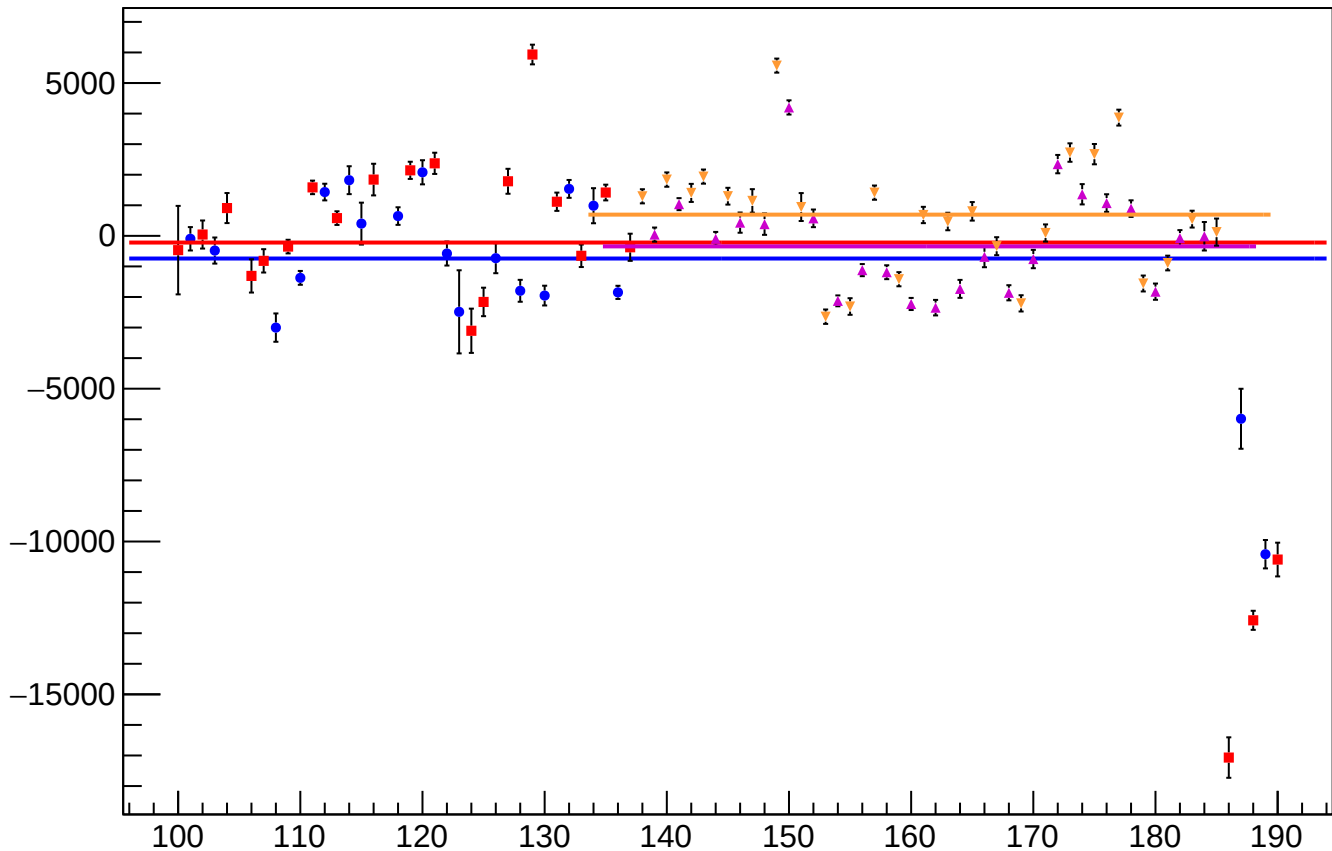
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 226.154 $\pm$ 0.032 χ^2 /NDF: 1262031.9/43

All: 219.978 $\pm$ 0.022 χ^2 /NDF: 3185658.7/88

- sign 214.432 $\pm$ 0.031 χ^2 /NDF: 1854026.2/44

asym_bpm0l01WS_mean vs Slug



Right In: -741.598 ± 82.806 χ^2/NDF : 790.5/18

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: -219.013 ± 74.223 χ^2/NDF : 3290.7/21

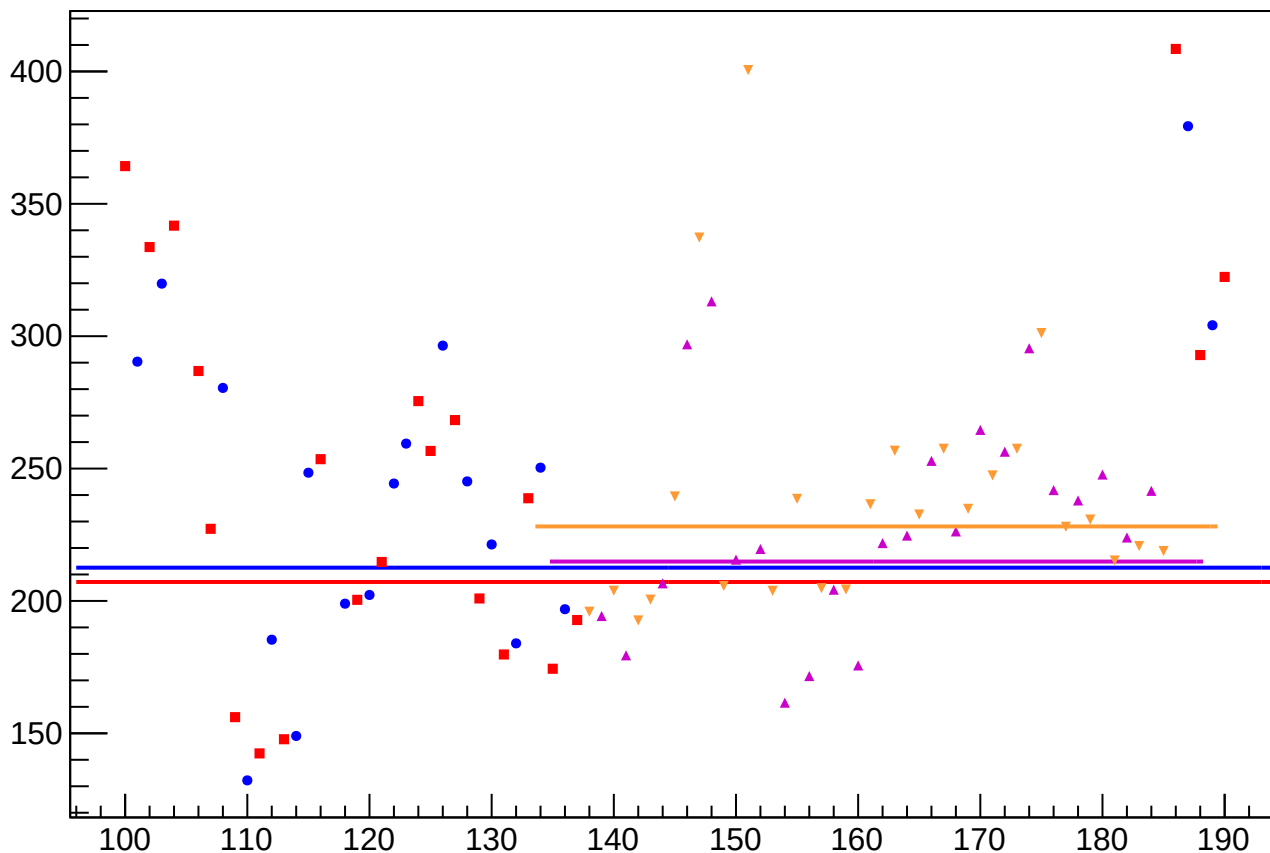
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 263.131 ± 45.376 χ^2/NDF : 2423.0/43

All: -34.033 ± 31.253 χ^2/NDF : 6782.2/88

- sign -302.223 ± 43.108 χ^2/NDF : 4277.6/44

asym_bpm0l01WS_rms vs Slug



Right In: 212.569 ± 0.059 χ^2/NDF : 839380.2/18

Left Out: 228.144 ± 0.038 χ^2/NDF : 828399.3/24

Right Out: 207.165 ± 0.052 χ^2/NDF : 1384325.0/21

Left In: 214.878 ± 0.037 χ^2/NDF : 1037509.6/22

+ sign 223.467 ± 0.032 χ^2/NDF : 1717289.2/43

All: 217.585 ± 0.022 χ^2/NDF : 4217372.6/88

- sign 212.276 ± 0.030 χ^2/NDF : 2436149.1/44

bcm_an_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

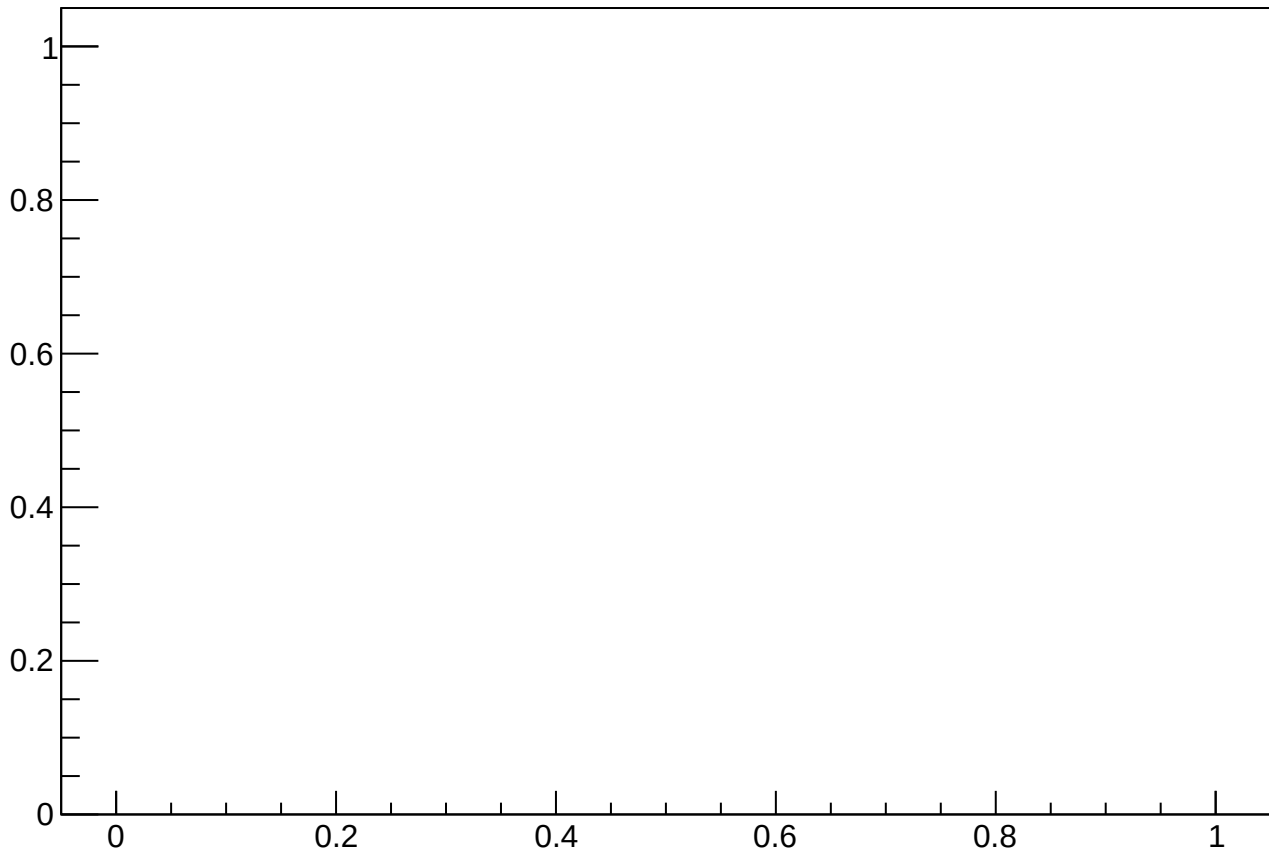
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

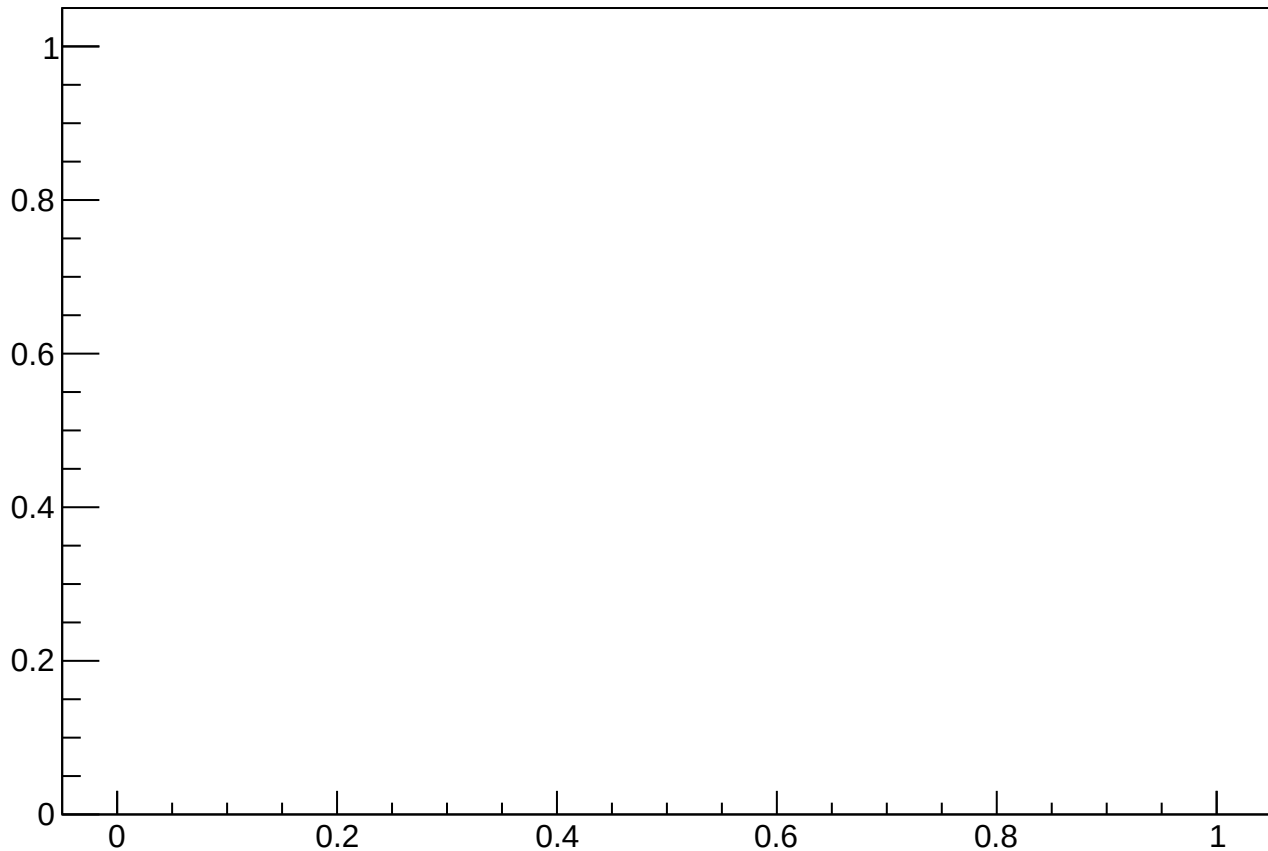
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

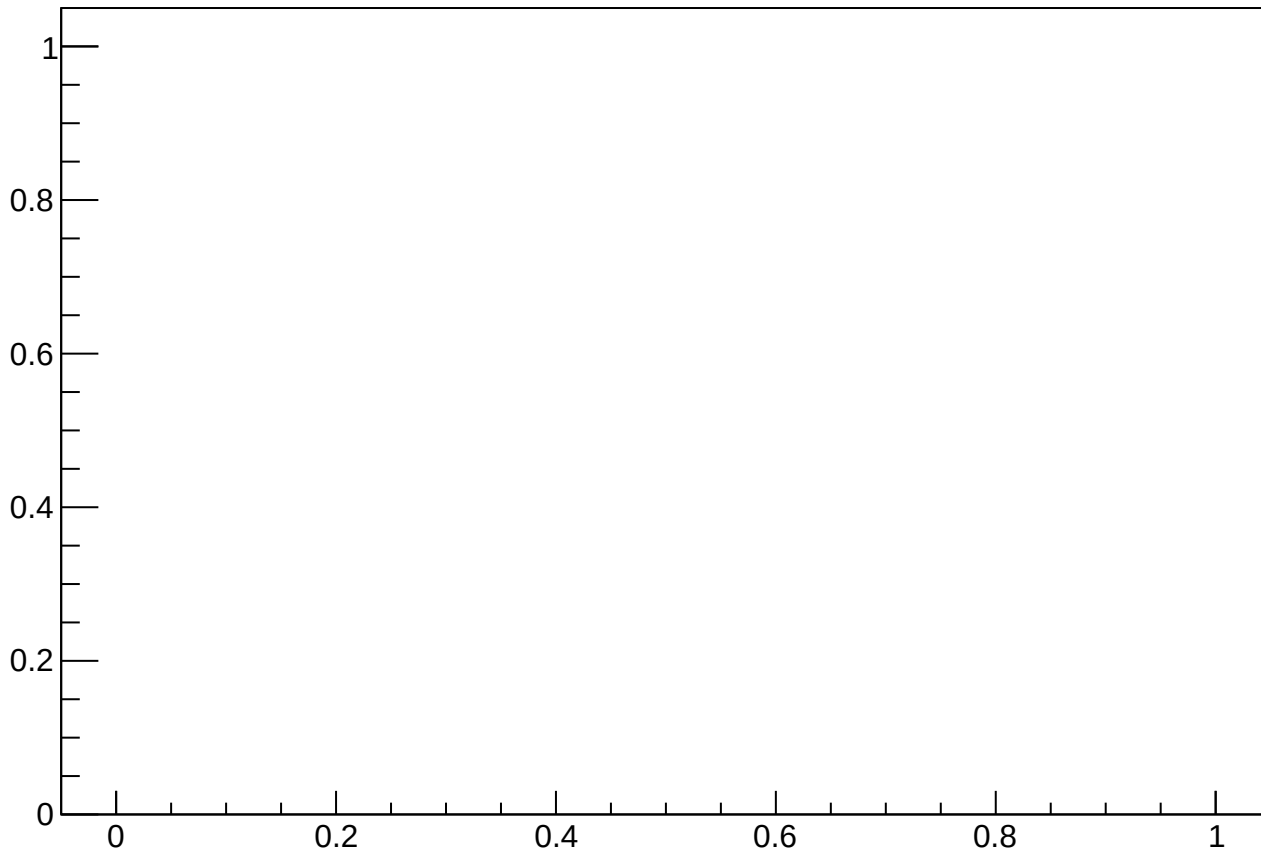
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

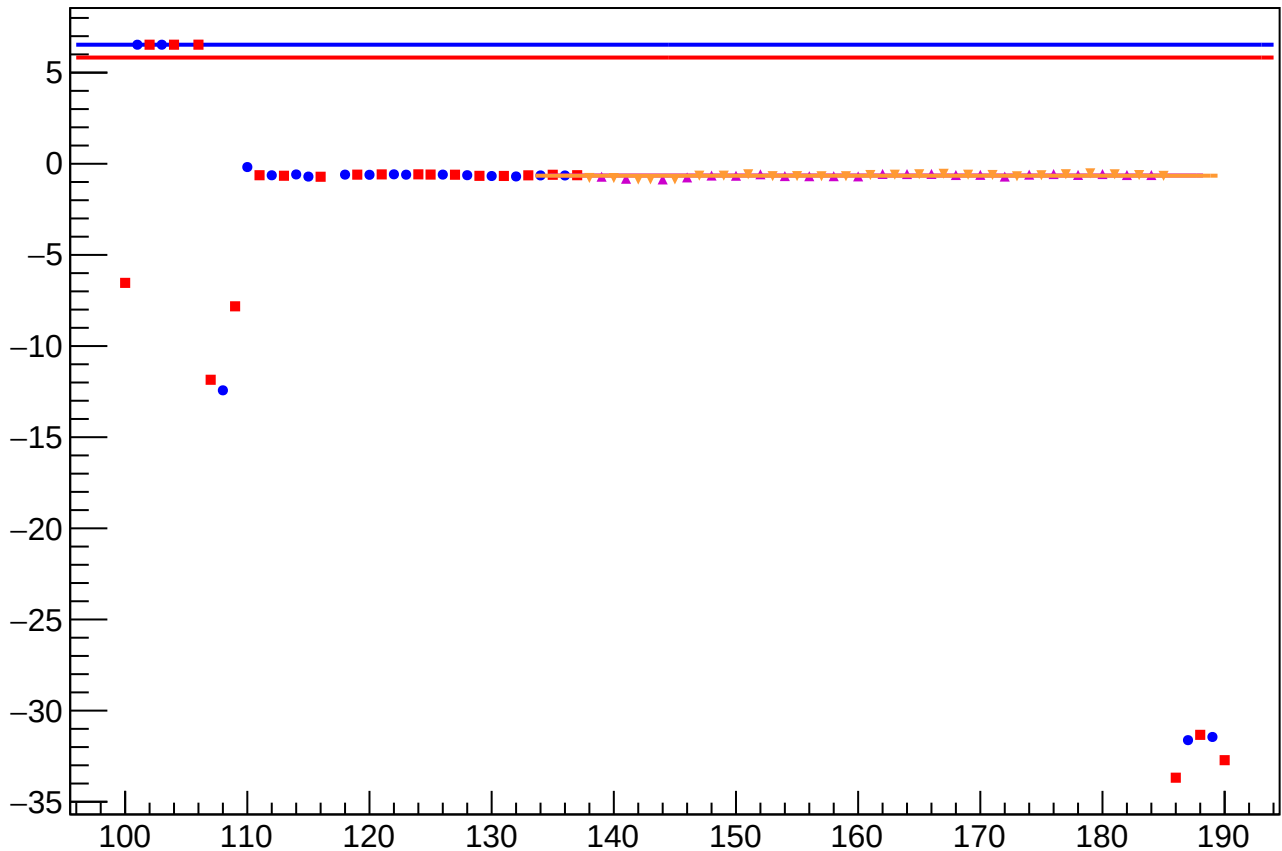
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127660933106.7/18

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962065575714.2/21

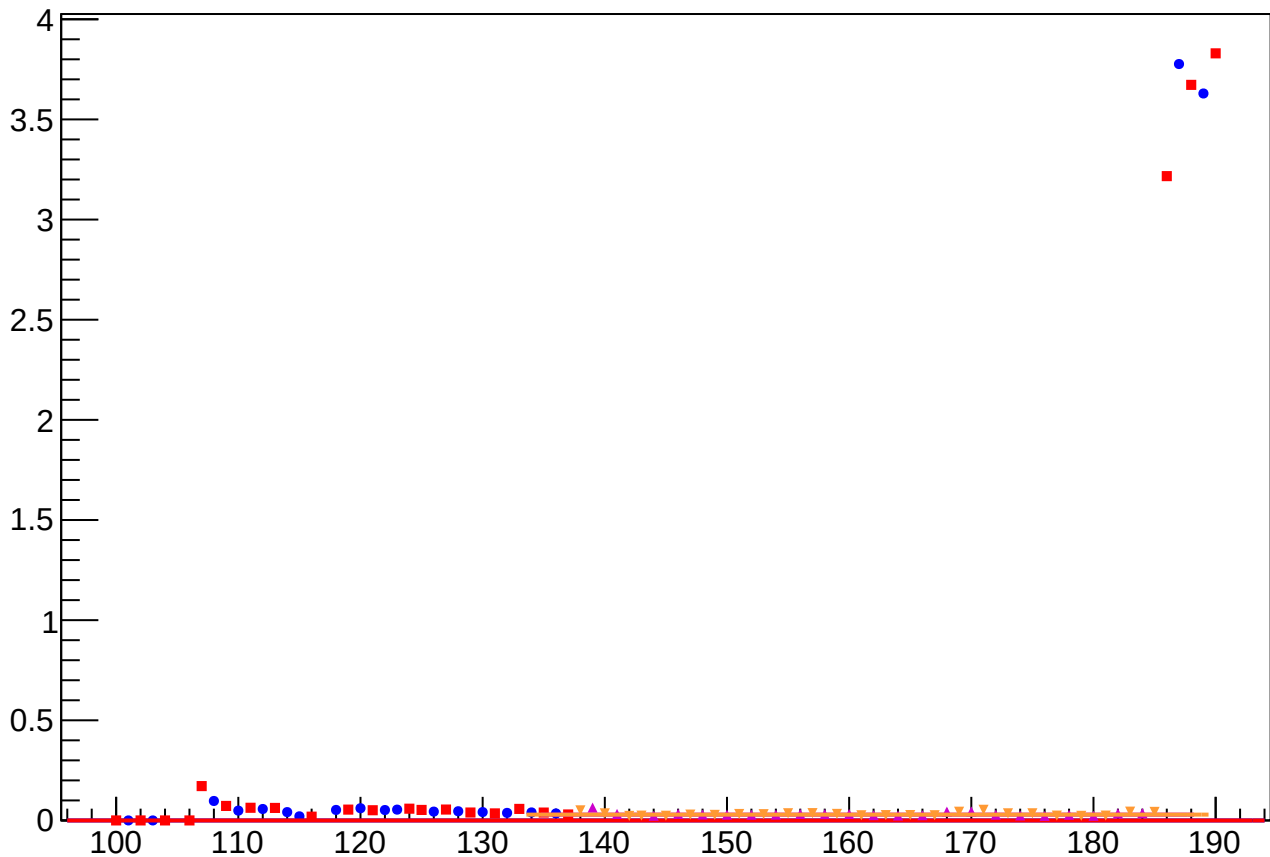
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001500452645.1/43

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762712308787

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640528726398.2/21

yield_cav4bX_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9947577.5/18

Left Out: 0.029 $\pm$ 0.000 χ^2 /NDF:1484308.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12414318.1/21

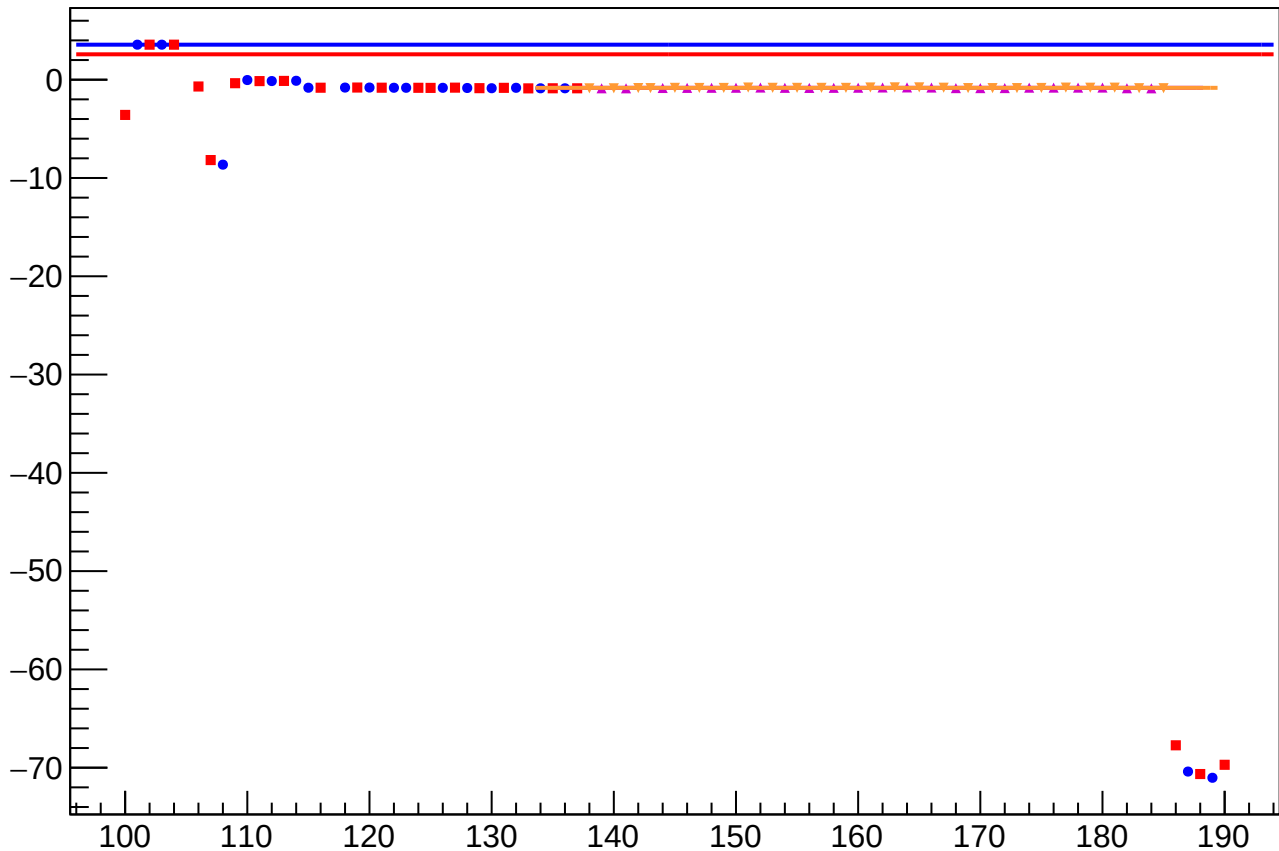
Left In: 0.029 $\pm$ 0.000 χ^2 /NDF:1206492.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 39911354.6/43

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 80508198.6/88

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40596176.2/44

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2/NDF : 480884326821.9/18

Left Out: -0.827 $\pm$ 0.000 χ^2/NDF : 170052639.9/24

Right Out: 2.583 $\pm$ 0.000 χ^2/NDF : 1253503460552551.5/21

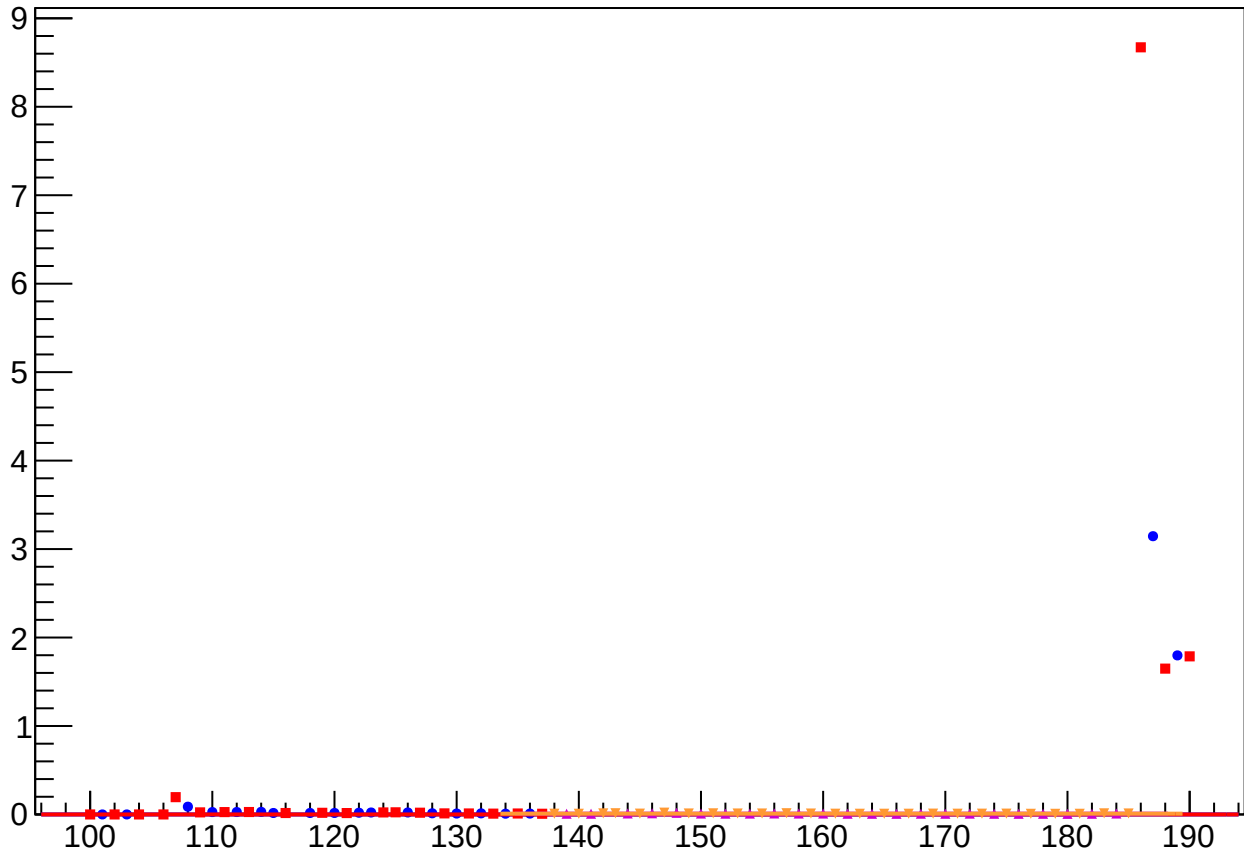
Left In: -0.827 $\pm$ 0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560 $\pm$ 0.000 χ^2/NDF : 4177333432068.3/43

All: 3.038 $\pm$ 0.000 χ^2/NDF : 13879800274474

- sign 2.581 $\pm$ 0.000 χ^2/NDF : 1255724555716102.5

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10747935.2/18

Left Out: 0.009+/-0.000 χ^2/NDF : 1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12731021.2/21

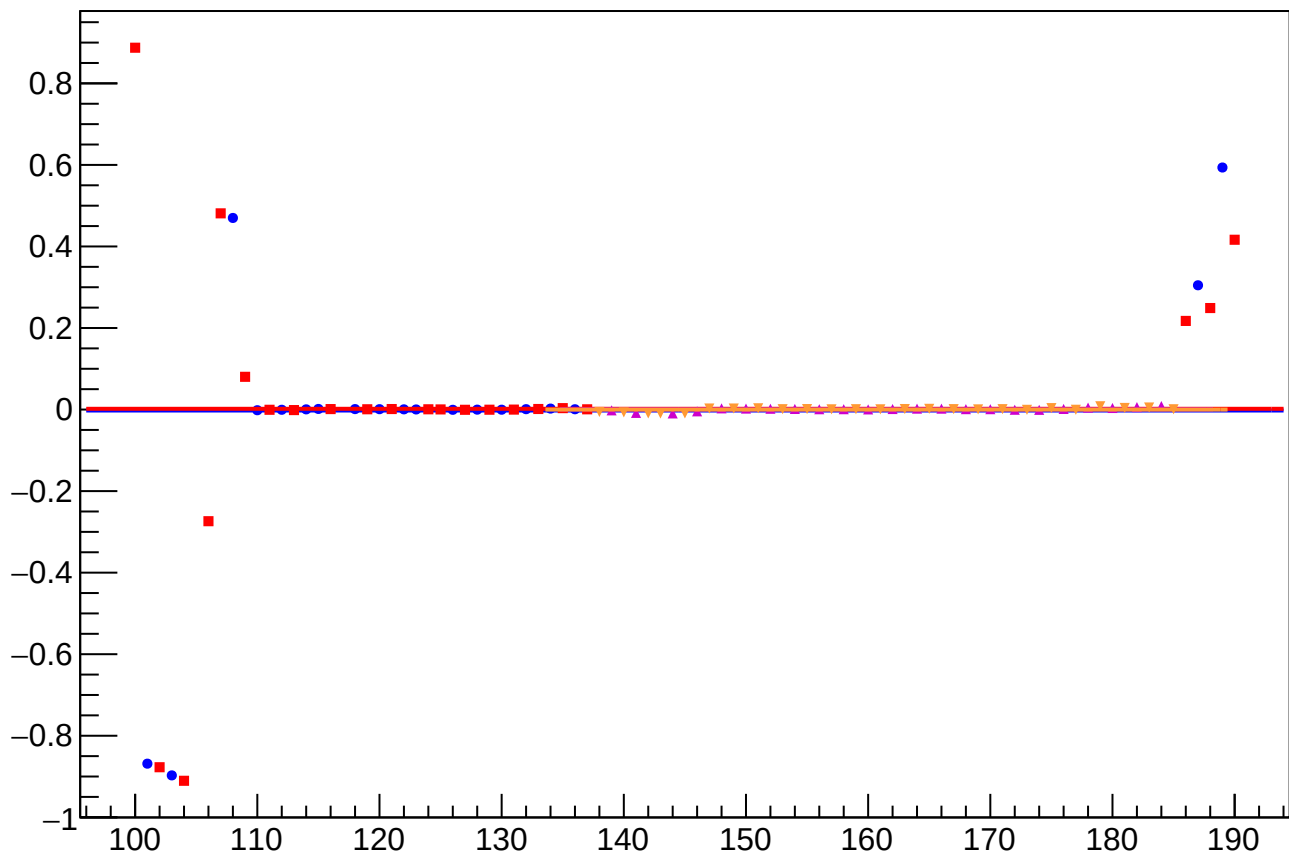
Left In: 0.009+/-0.000 χ^2/NDF : 1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 42256384.5/43

All: 0.000+/-0.000 χ^2/NDF : 84795195.8/88

- sign 0.000+/-0.000 χ^2/NDF : 42537733.7/44

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794978081.0/18

Left Out: -0.000+/-0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3041391361.7/21

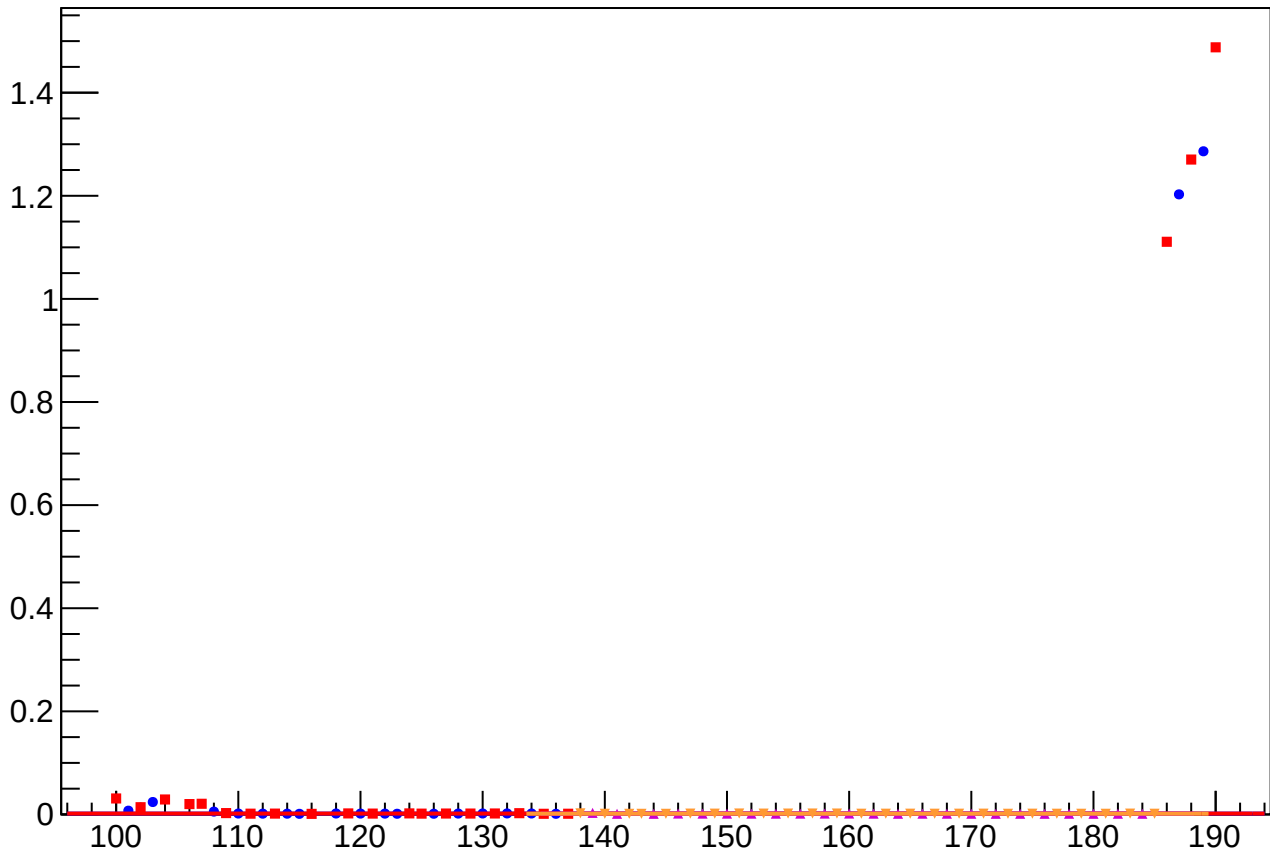
Left In: 0.001+/-0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001+/-0.000 χ^2/NDF : 9953502306.2/43

All: 0.000+/-0.000 χ^2/NDF : 13105887645.8/8

- sign 0.001+/-0.000 χ^2/NDF : 3144834456.2/44

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3008112.8/18

Left Out: 0.001+/-0.000 χ^2/NDF : 539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 6091804.9/21

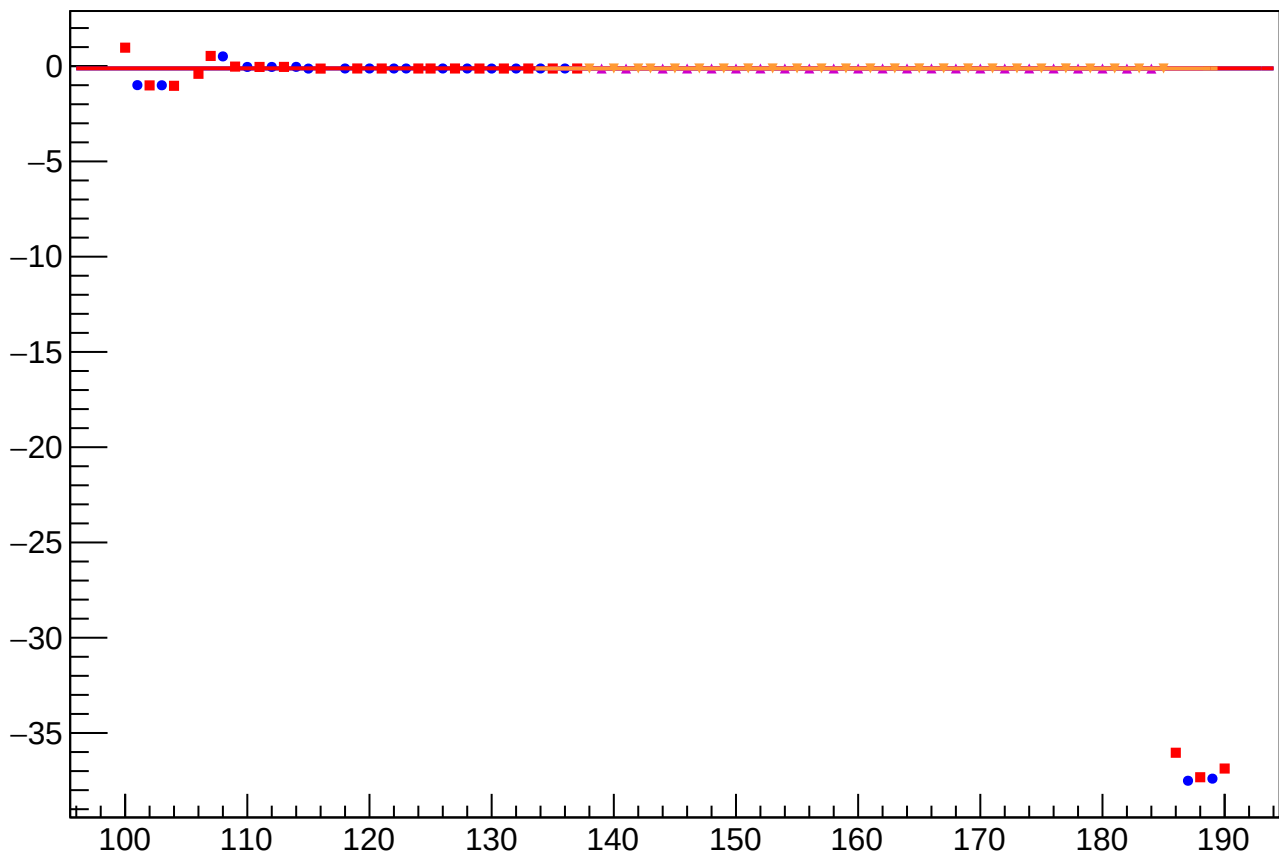
Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 3616731.7/43

All: 0.002+/-0.000 χ^2/NDF : 10484138.3/88

- sign 0.002+/-0.000 χ^2/NDF : 6859516.7/44

yield_cav4cY_mean vs Slug



Right In: -0.120 ± 0.000 χ^2/NDF : 5849978534.1/18

Left Out: -0.121 ± 0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.115 ± 0.000 χ^2/NDF : 8875269234.8/21

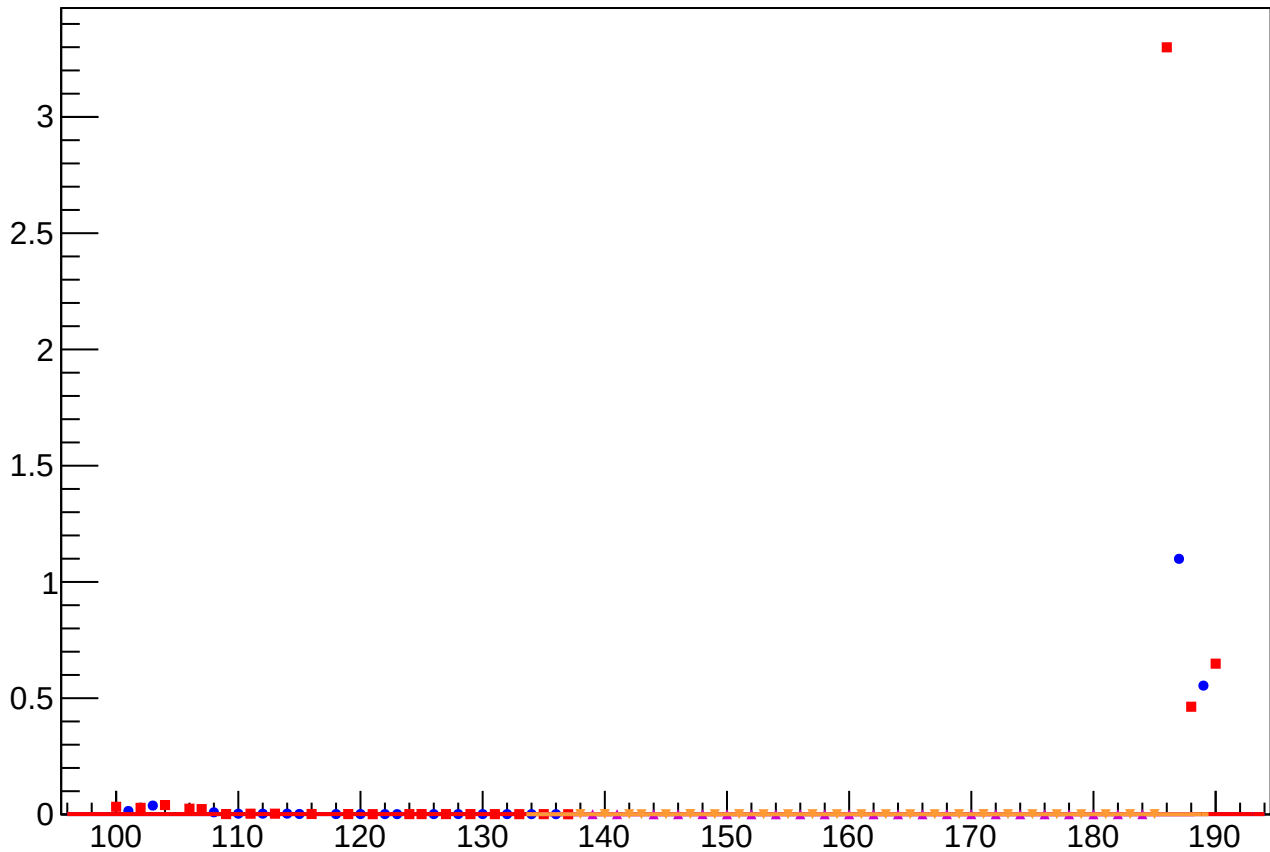
Left In: -0.121 ± 0.000 χ^2/NDF : 53134323.3/22

+ sign -0.121 ± 0.000 χ^2/NDF : 5909244498.1/43

All: -0.121 ± 0.000 χ^2/NDF : 14891766242.9/100

- sign -0.120 ± 0.000 χ^2/NDF : 8978507036.9/44

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3953840.1/18

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 6533736.7/21

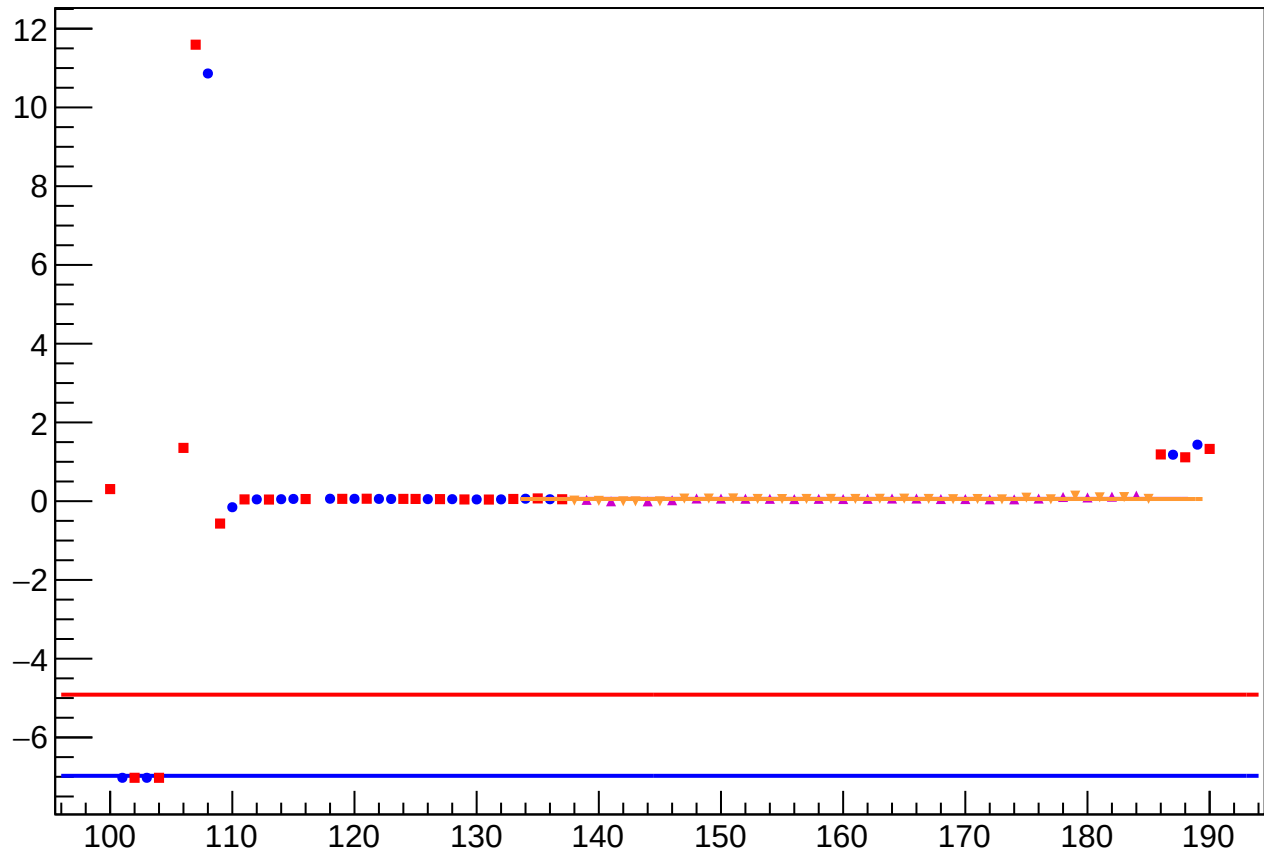
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 6473882.7/43

All: 0.001+/-0.000 χ^2/NDF : 15090504.6/88

- sign 0.001+/-0.000 χ^2/NDF : 8614602.9/44

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762478494975.9/18

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348578006377.2/21

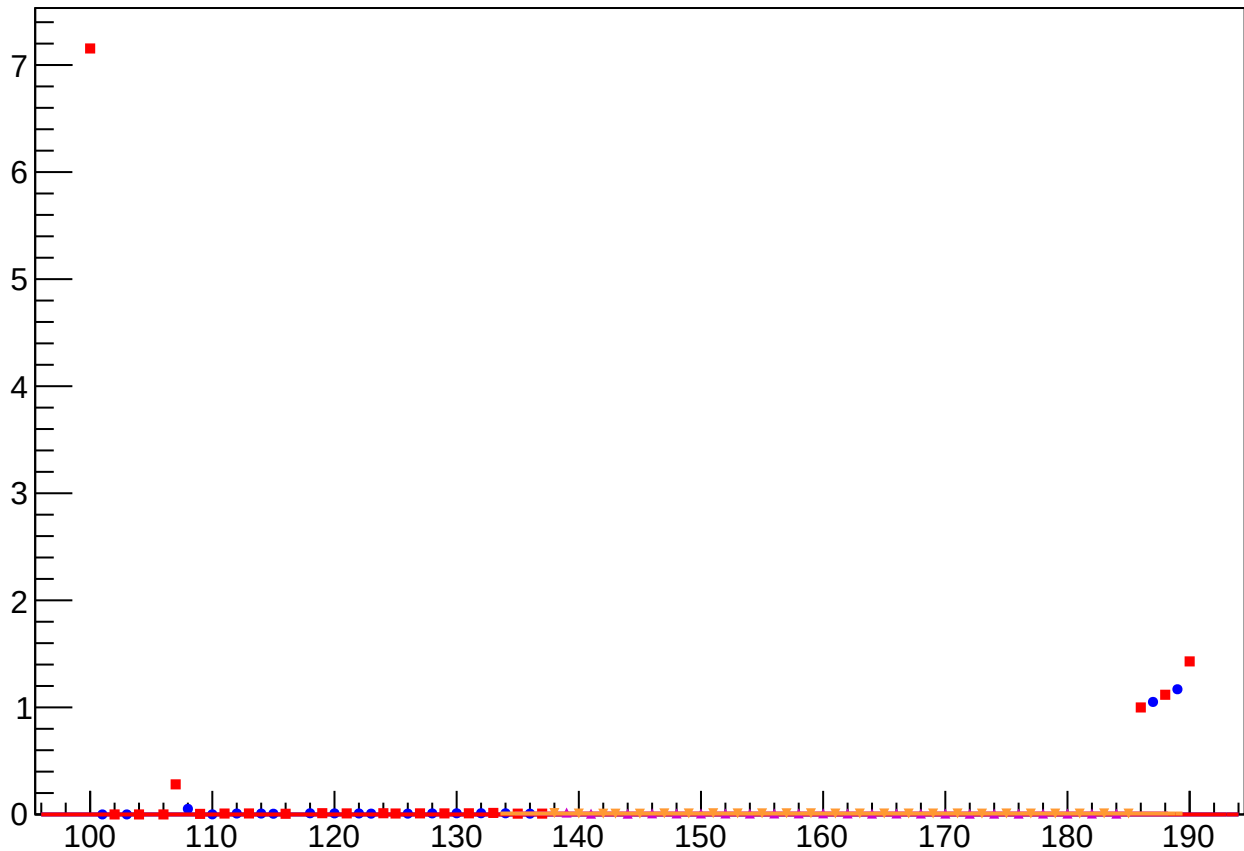
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417468862559.2/18

All: -5.858 ± 0.000 χ^2/NDF : 4435812395065.2/18

- sign -4.882 ± 0.000 χ^2/NDF : 369770869664055.2/18

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9316884.8/18

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11832902.2/21

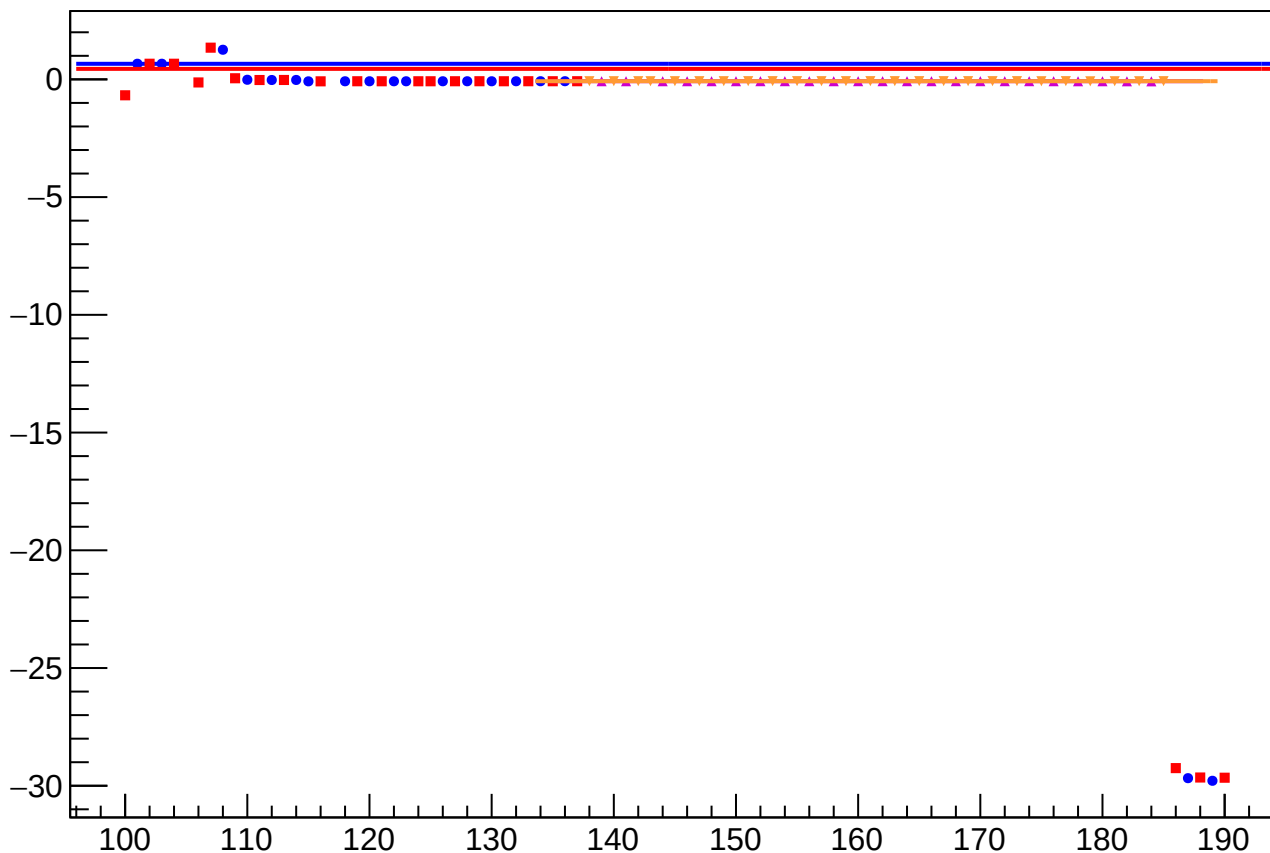
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 38304862.8/43

All: 0.000+/-0.000 χ^2/NDF : 77816574.3/88

- sign 0.000+/-0.000 χ^2/NDF : 39507260.5/44

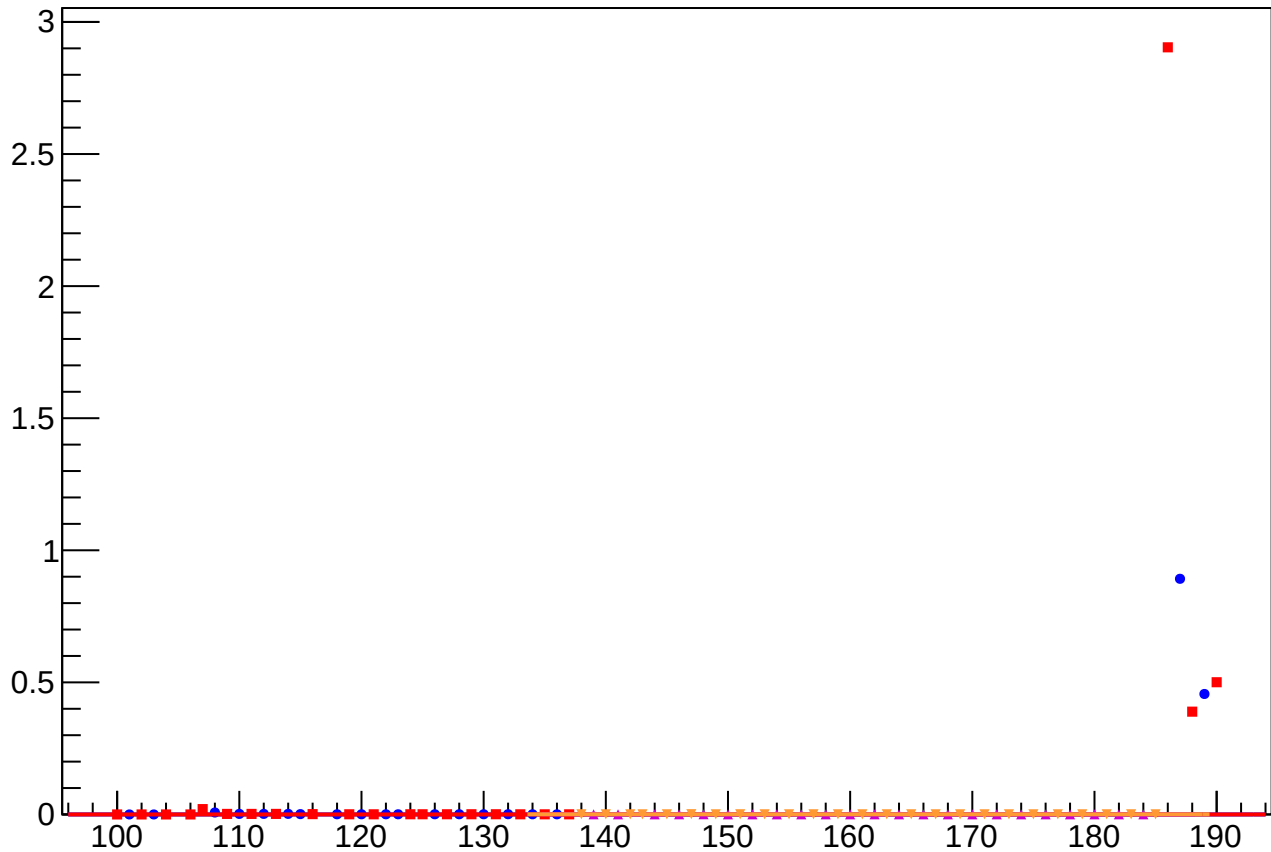
yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 χ^2/NDF : 5587089923121.8/18
 Left Out: -0.078 ± 0.000 χ^2/NDF : 156525648.0/24
 Right Out: 0.446 ± 0.000 χ^2/NDF : 405422974901247.0/21
 Left In: -0.077 ± 0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646 ± 0.000 χ^2/NDF : 35754602705406.3/4
 All: 0.537 ± 0.000 χ^2/NDF : 51598935695343
 - sign 0.437 ± 0.000 χ^2/NDF : 419654523859733.6/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10914076.6/18

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12481201.1/21

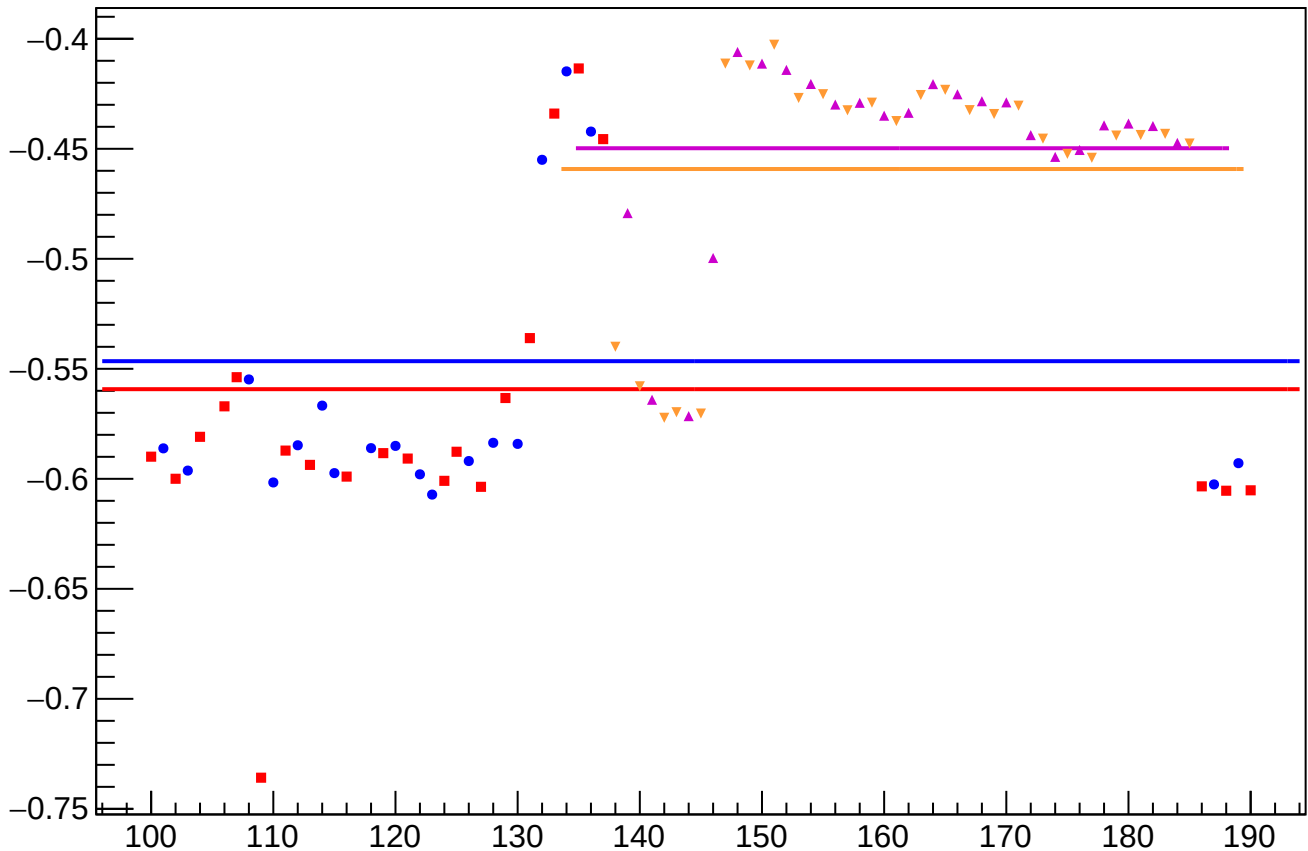
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 43563697.0/43

All: 0.000+/-0.000 χ^2/NDF : 87089152.4/88

- sign 0.000+/-0.000 χ^2/NDF : 43518312.7/44

yield_bpm4aX_mean vs Slug



Right In: -0.547+/-0.000 χ^2/NDF : 46933714.9/18

Left Out: -0.459+/-0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.559+/-0.000 χ^2/NDF : 65158325.5/21

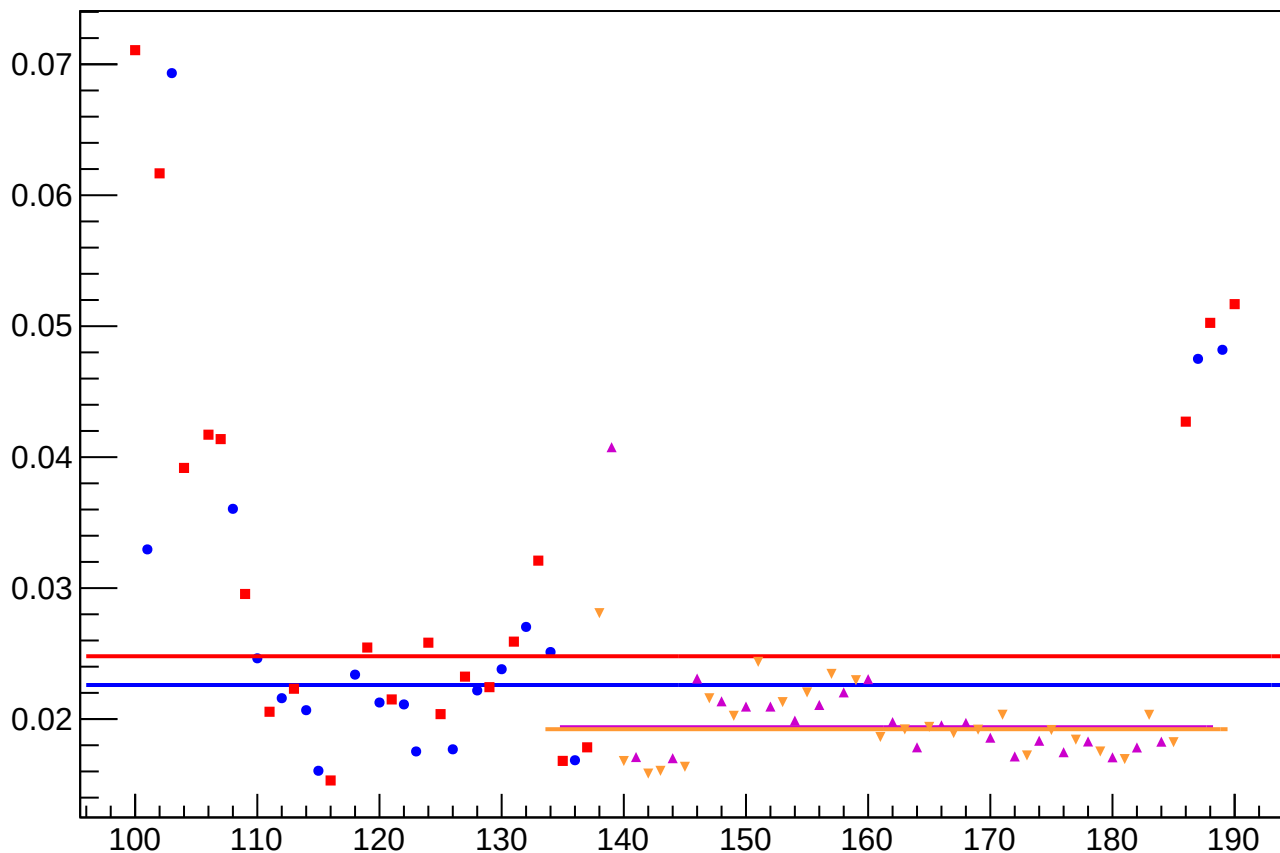
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.477+/-0.000 χ^2/NDF : 224815414.3/43

All: -0.476+/-0.000 χ^2/NDF : 464617726.6/88

- sign -0.474+/-0.000 χ^2/NDF : 239463067.8/44

yield_bpm4aX_rms vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 1268842.7/18

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 501253.7/24

Right Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 1938823.0/21

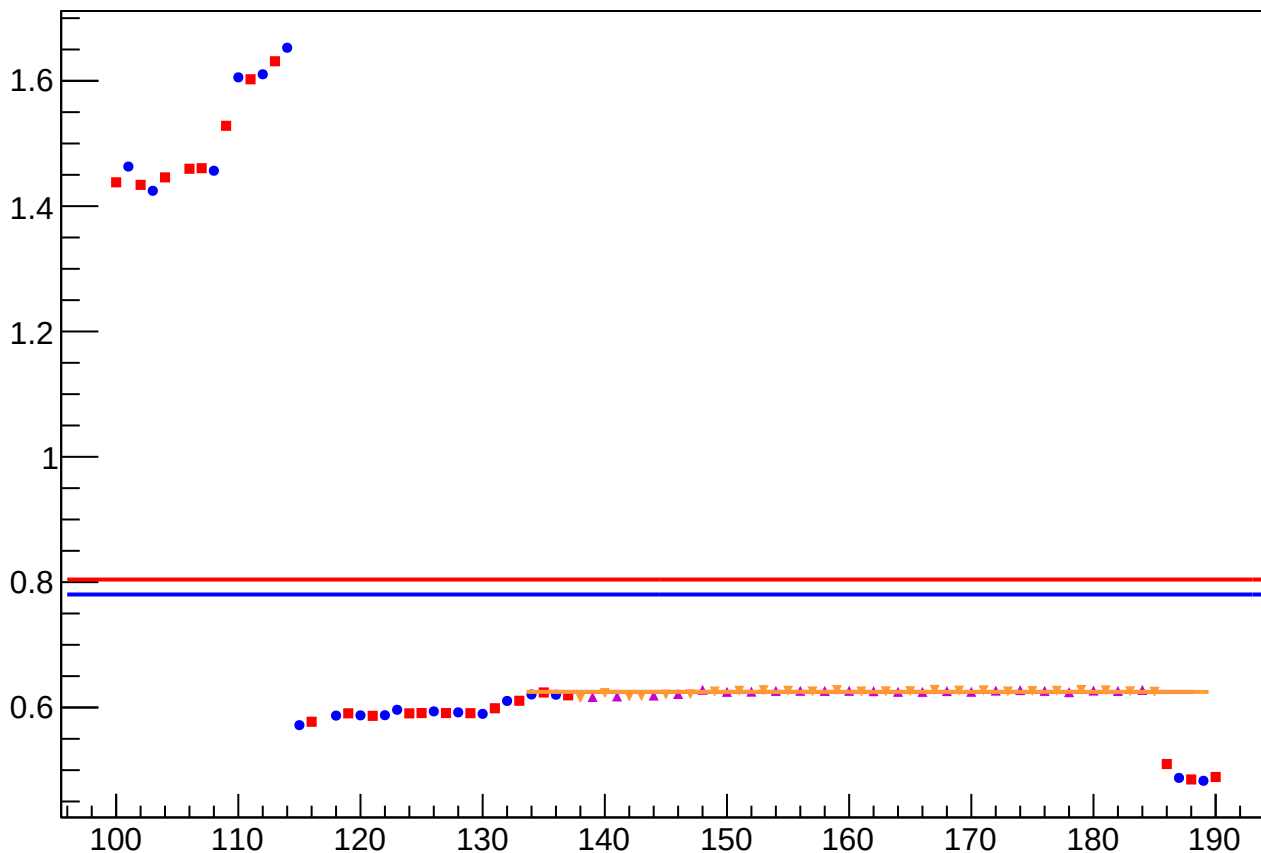
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 656155.9/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1961467.4/43

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 5056996.3/88

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 3075777.4/44

yield_bpm4aY_mean vs Slug



Right In: 0.780 $\pm$ 0.000 χ^2 /NDF: 3647532295.0/18

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.804 $\pm$ 0.000 χ^2 /NDF: 4442700201.2/21

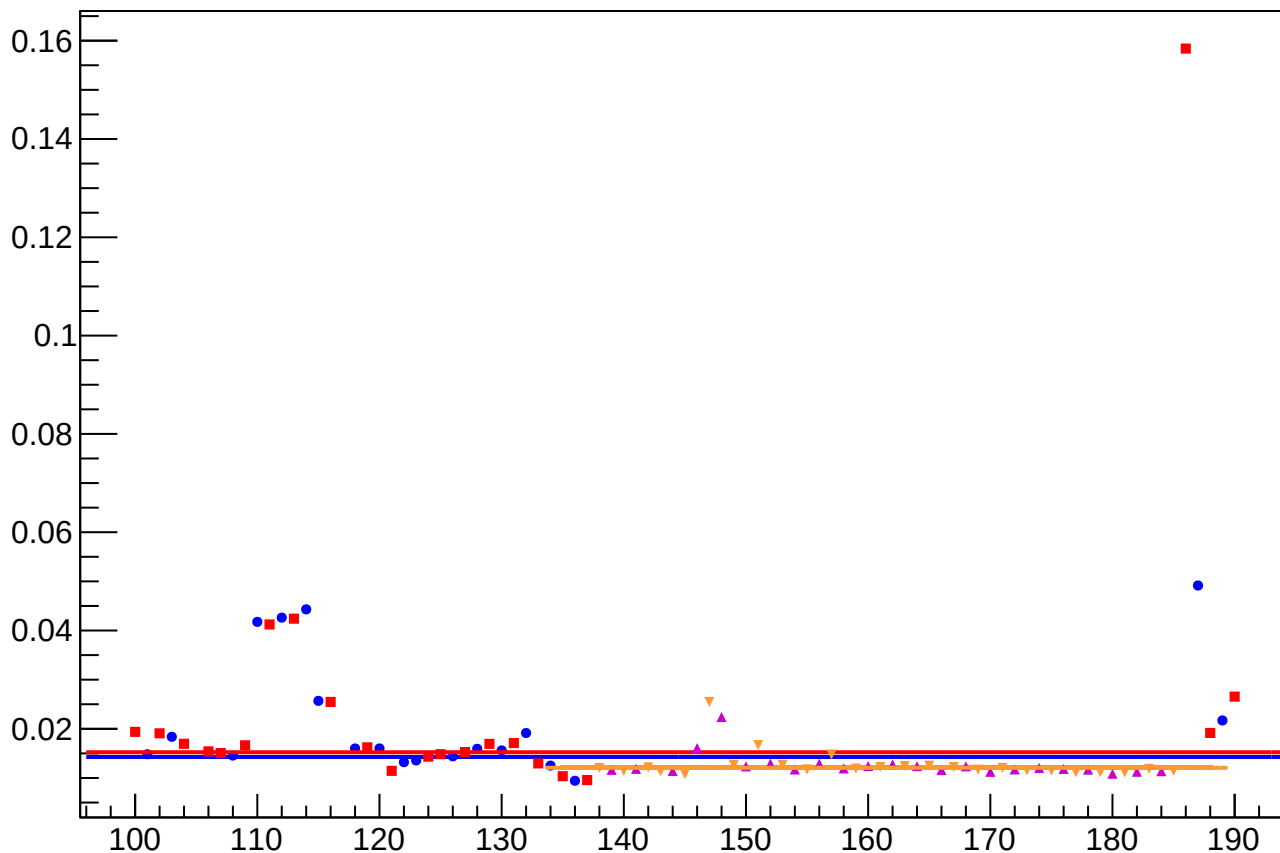
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.655 $\pm$ 0.000 χ^2 /NDF: 4220778400.0/43

All: 0.659 $\pm$ 0.000 χ^2 /NDF: 9442470591.9/86

- sign 0.663 $\pm$ 0.000 χ^2 /NDF: 5217679616.1/44

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1626148.0/18

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2032480.7/21

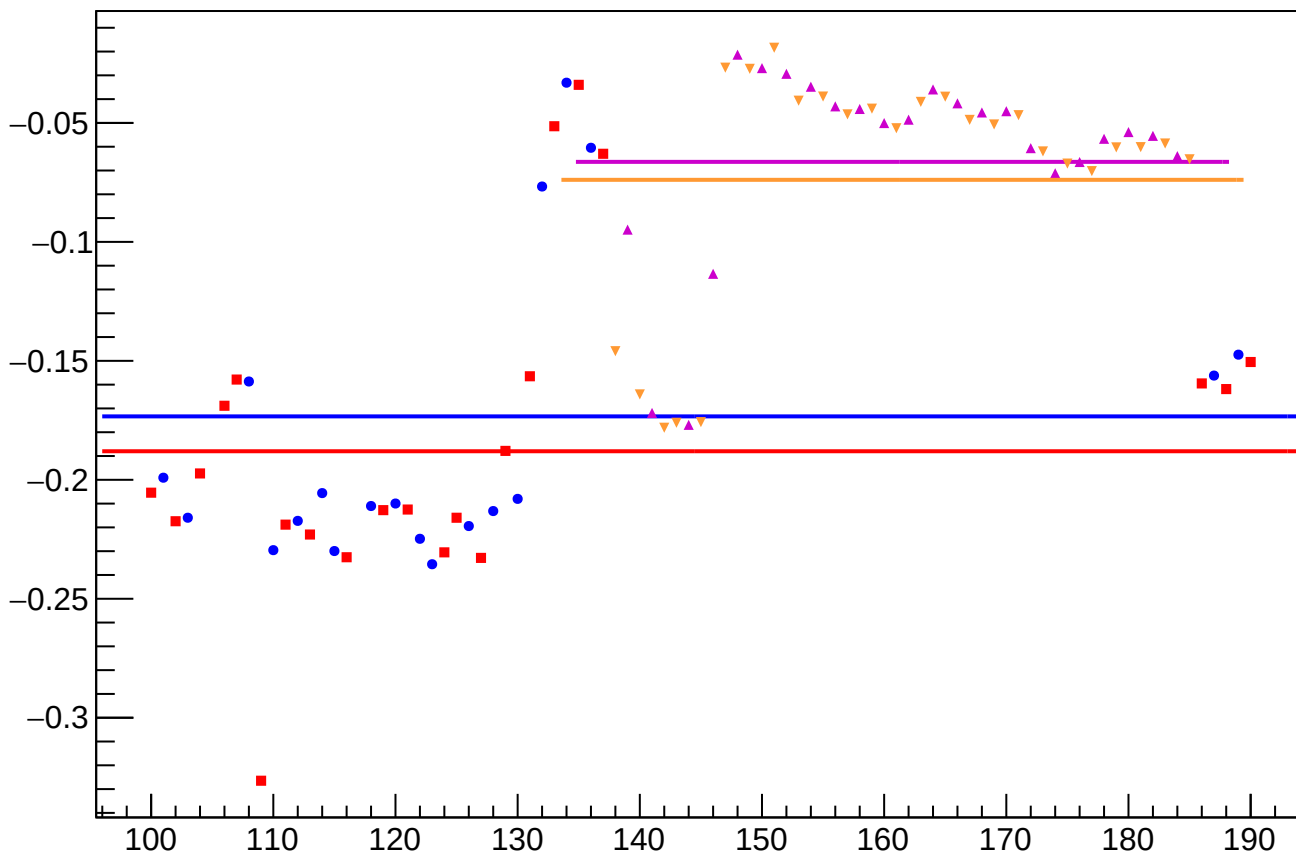
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2511926.3/43

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5506712.8/88

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2982658.4/44

yield_bpm4eX_mean vs Slug



Right In: -0.173+/-0.000 χ^2/NDF : 66953093.3/18

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.188+/-0.000 χ^2/NDF : 81938371.5/21

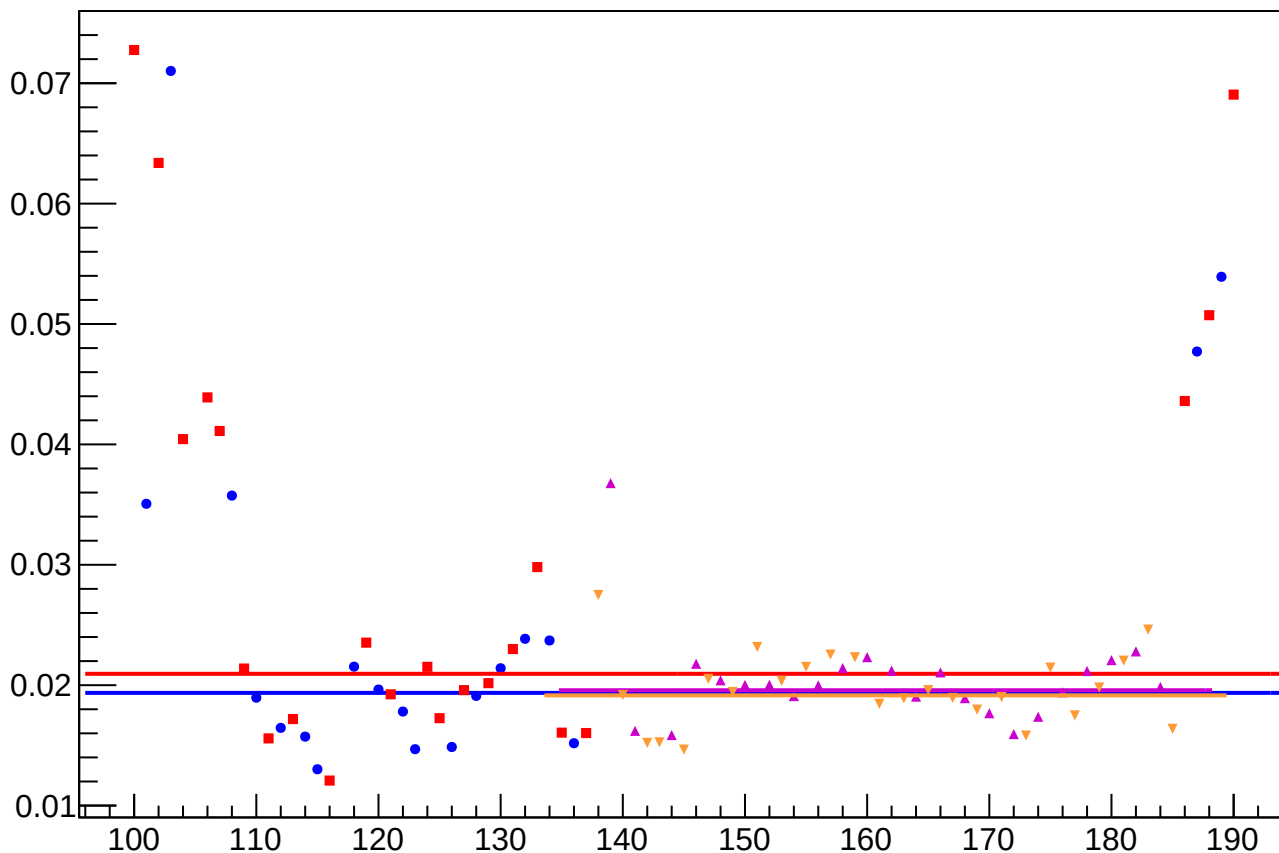
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.099+/-0.000 χ^2/NDF : 278302177.8/43

All: -0.099+/-0.000 χ^2/NDF : 587172273.7/88

- sign -0.099+/-0.000 χ^2/NDF : 308868311.8/44

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1648294.6/18

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 641027.3/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 2606567.3/21

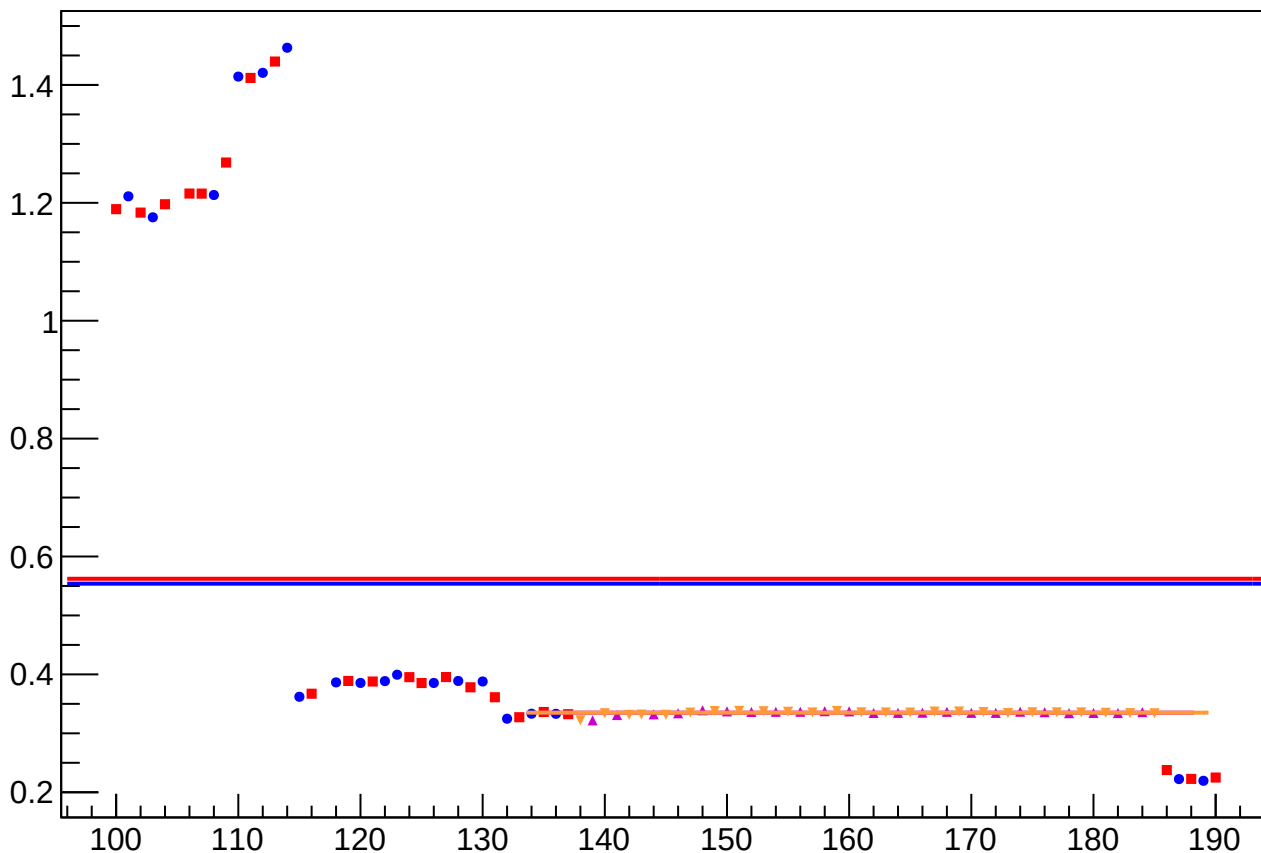
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 651328.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2290213.4/43

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 5615562.8/88

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 3295847.7/44

yield_bpm4eY_mean vs Slug



Right In: 0.554+/-0.000 χ^2/NDF : 5191614530.6/18

Left Out: 0.335+/-0.000 χ^2/NDF : 1153956.7/24

Right Out: 0.562+/-0.000 χ^2/NDF : 6144688042.1/21

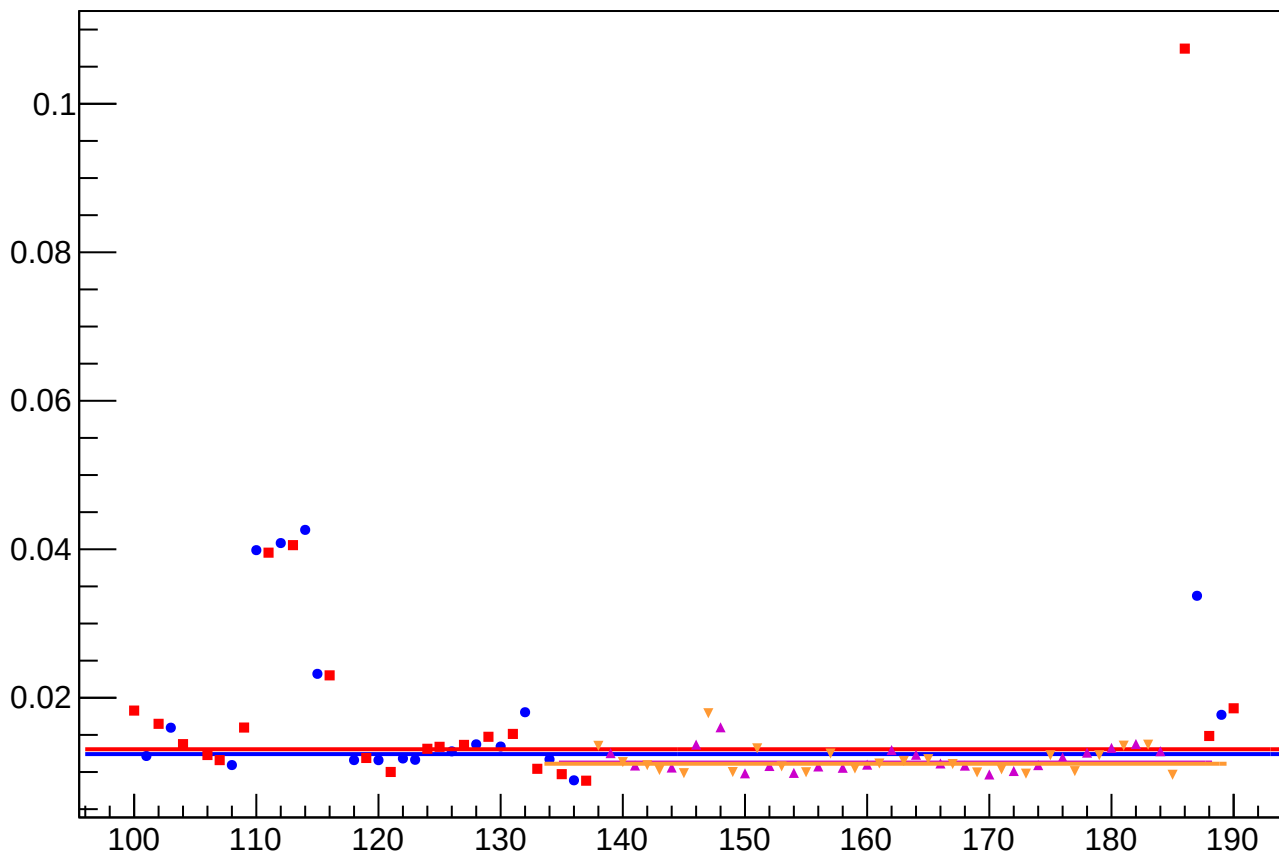
Left In: 0.335+/-0.000 χ^2/NDF : 1198302.8/22

+ sign 0.382+/-0.000 χ^2/NDF : 6662429817.5/43

All: 0.386+/-0.000 χ^2/NDF : 14436486626.1/8

- sign 0.390+/-0.000 χ^2/NDF : 7769550788.9/44

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1492791.4/18

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1910082.0/21

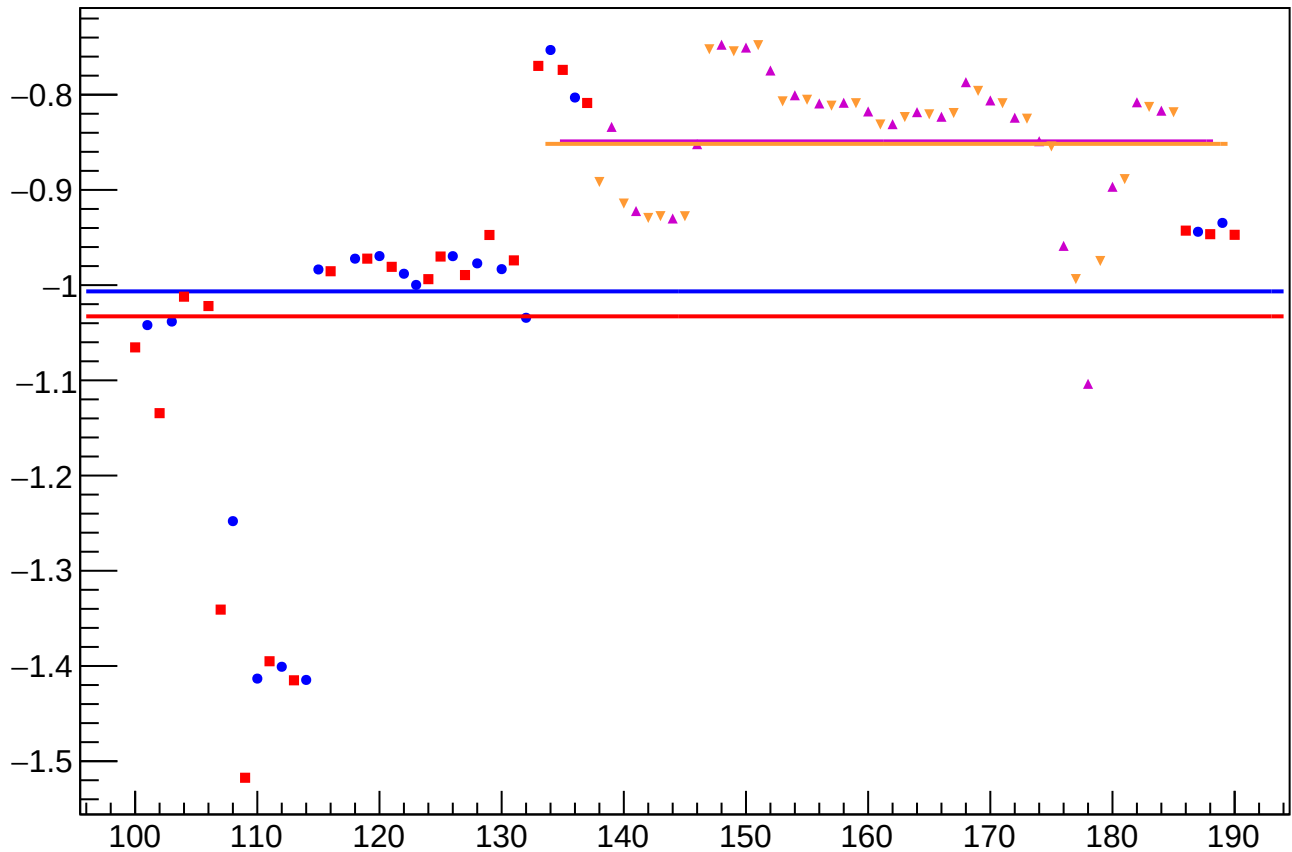
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502226.7/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2204557.9/43

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4835944.2/88

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2614646.8/44

yield_bpm4acX_mean vs Slug



Right In: -1.007 ± 0.000 χ^2/NDF : 394322760.8/18

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.033 ± 0.000 χ^2/NDF : 540056250.8/21

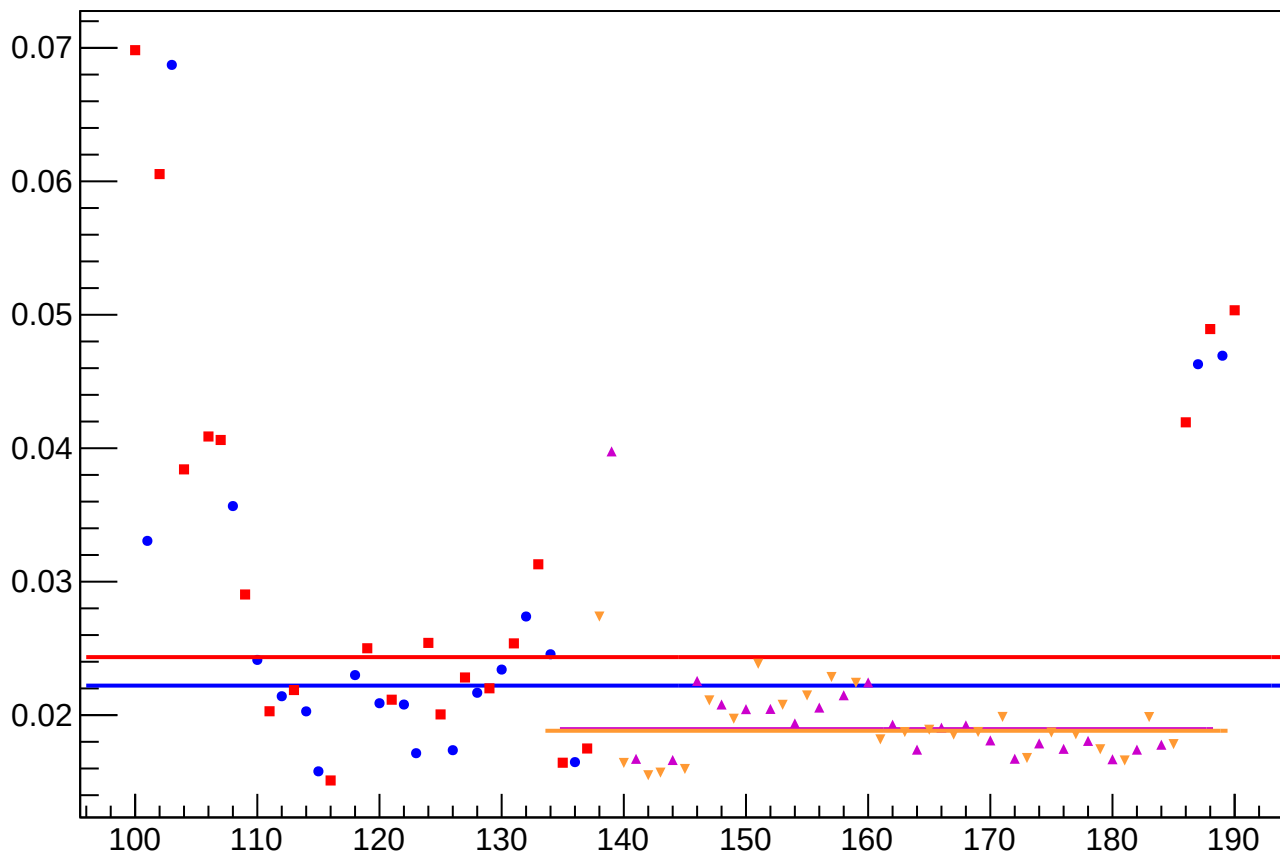
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792392114.6/43

All: -0.886 ± 0.000 χ^2/NDF : 1876480332.1/8

- sign -0.889 ± 0.000 χ^2/NDF : 1083399059.0/44

yield_bpm4acX_rms vs Slug



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 : 1925286.1/21

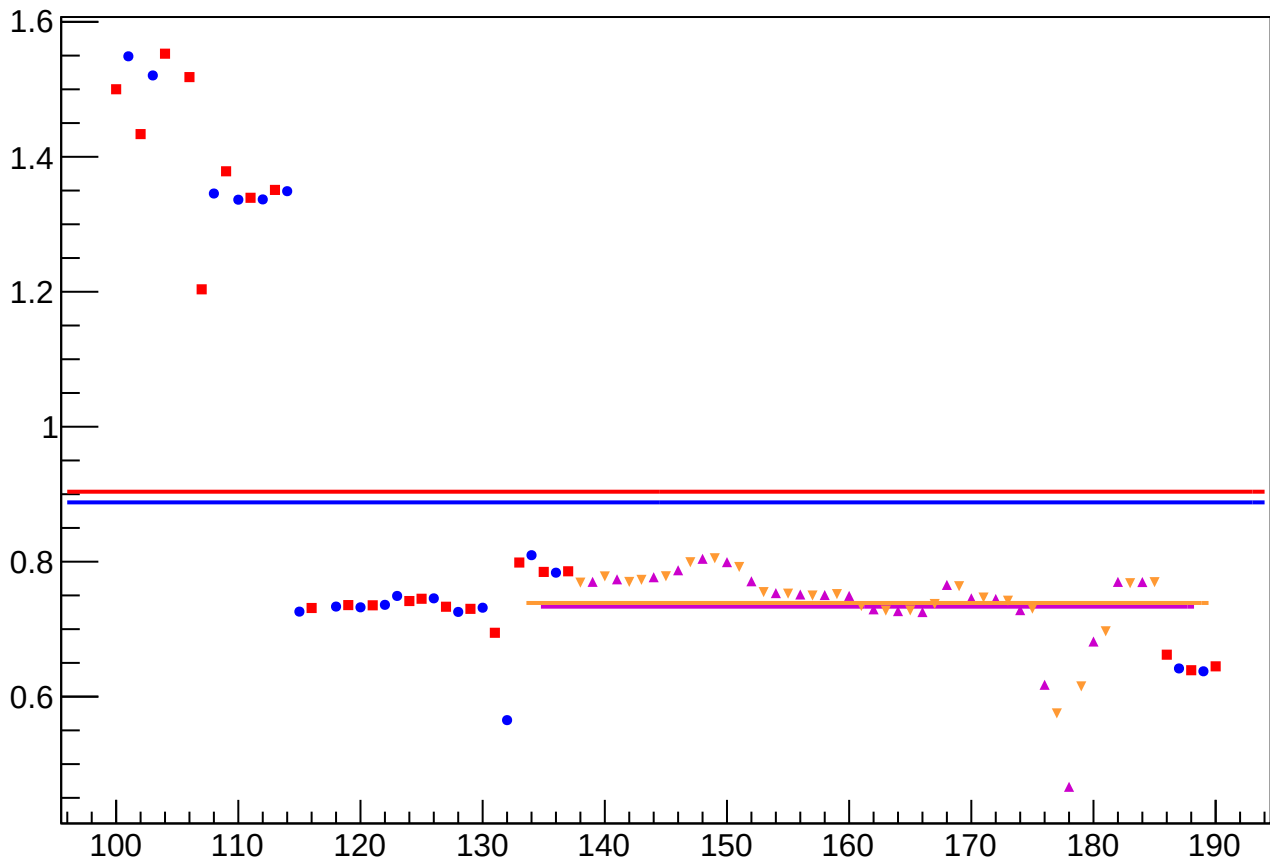
Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

+ sign 0.020+/-0.000 χ^2/NDF : 1978435.4/43

All: 0.020+/-0.000 χ^2/NDF : 5061893.9/88

- sign 0.020+/-0.000 χ^2/NDF : 3065441.5/44

yield_bpm4acY_mean vs Slug



Right In: 0.888 $\pm$ 0.000 χ^2 /NDF: 2446634818.2/18

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

+ sign 0.767 $\pm$ 0.000 χ^2 /NDF: 3288940008.1/43

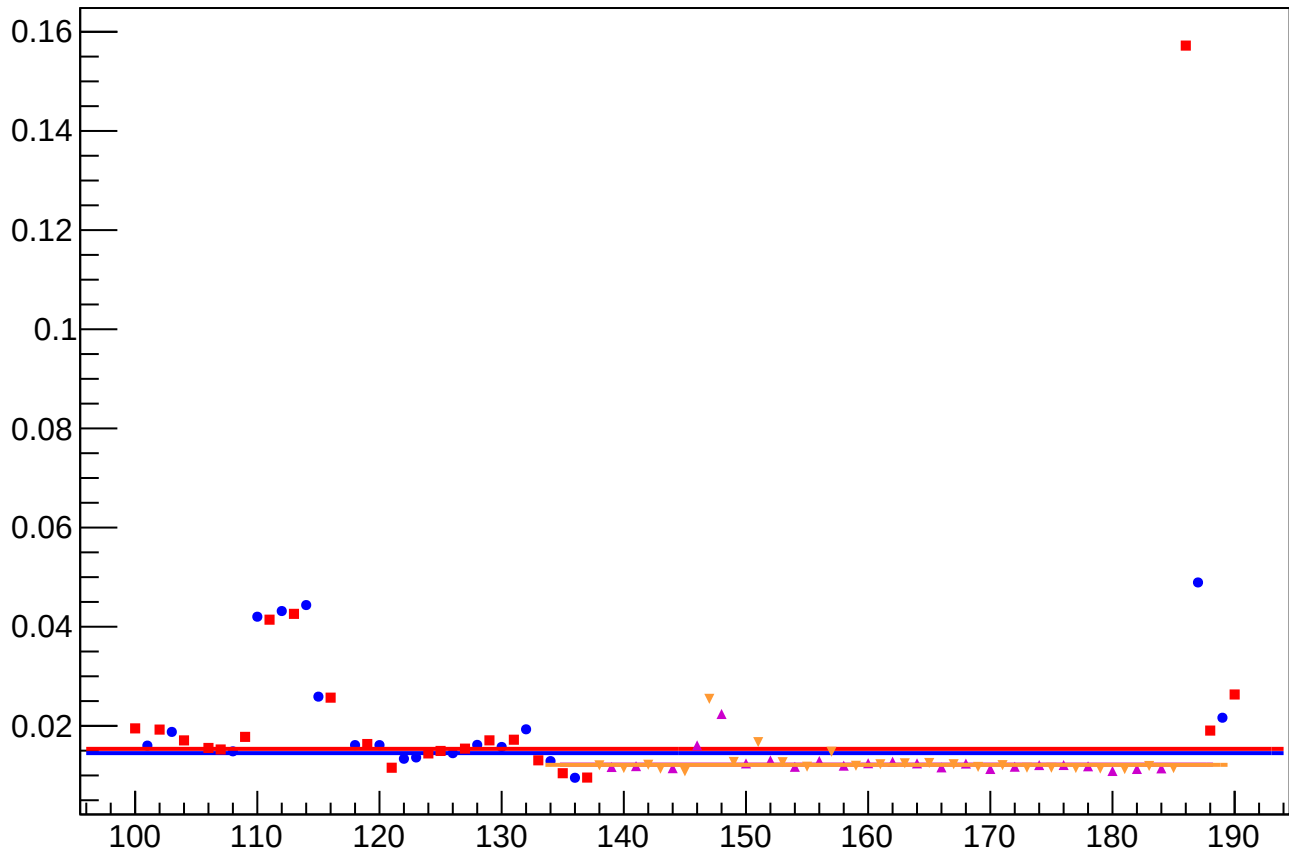
Right Out: 0.904 $\pm$ 0.000 χ^2 /NDF: 2626729801.6/21

All: 0.768 $\pm$ 0.000 χ^2 /NDF: 7172221508.6/80

- sign 0.769 $\pm$ 0.000 χ^2 /NDF: 3883099453.8/44

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1627700.9/18

Left Out: 0.012+/-0.000 χ^2/NDF : 638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2027520.3/21

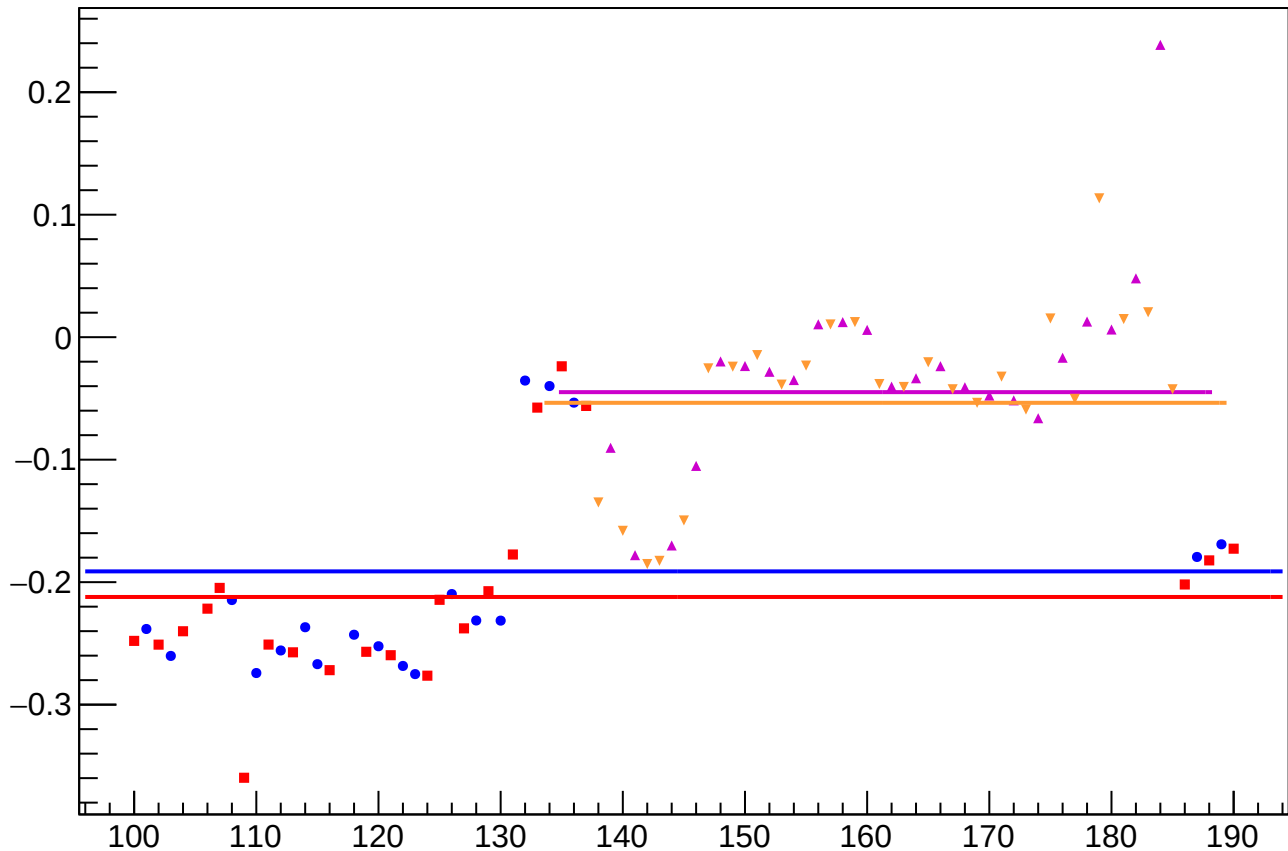
Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 2521663.6/43

All: 0.013+/-0.000 χ^2/NDF : 5517109.1/88

- sign 0.013+/-0.000 χ^2/NDF : 2985589.3/44

yield_bpm4ecX_mean vs Slug



Right In: -0.191 ± 0.000 $\chi^2/\text{NDF}: 106032611.1/18$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167879648.0/24$

Right Out: -0.212 ± 0.000 $\chi^2/\text{NDF}: 110037288.6/21$

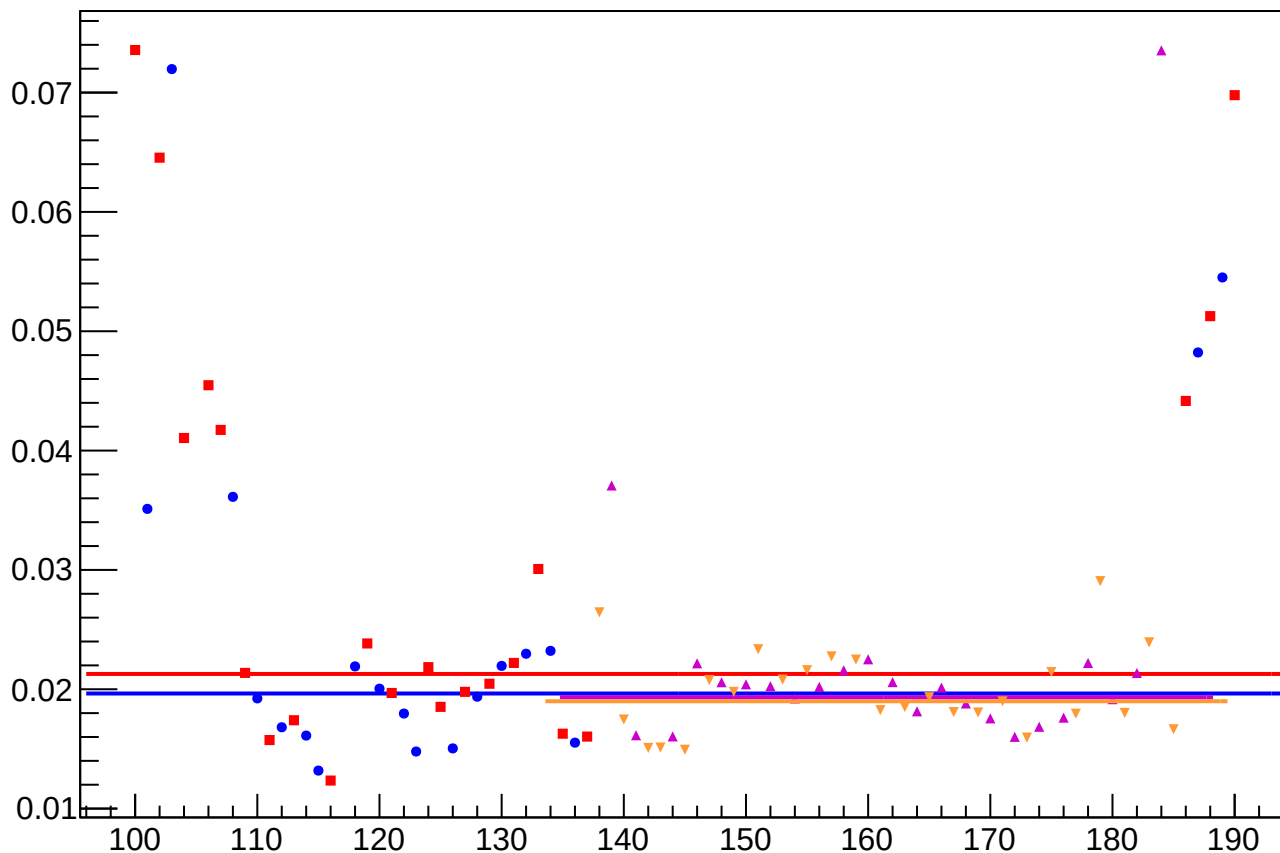
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127324000.1/22$

+ sign -0.088 ± 0.000 $\chi^2/\text{NDF}: 467411705.4/43$

All: -0.089 ± 0.000 $\chi^2/\text{NDF}: 982543887.7/88$

- sign -0.089 ± 0.000 $\chi^2/\text{NDF}: 515097295.8/44$

yield_bpm4ecX_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 1617441.9/18

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 699267.5/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 2590452.0/21

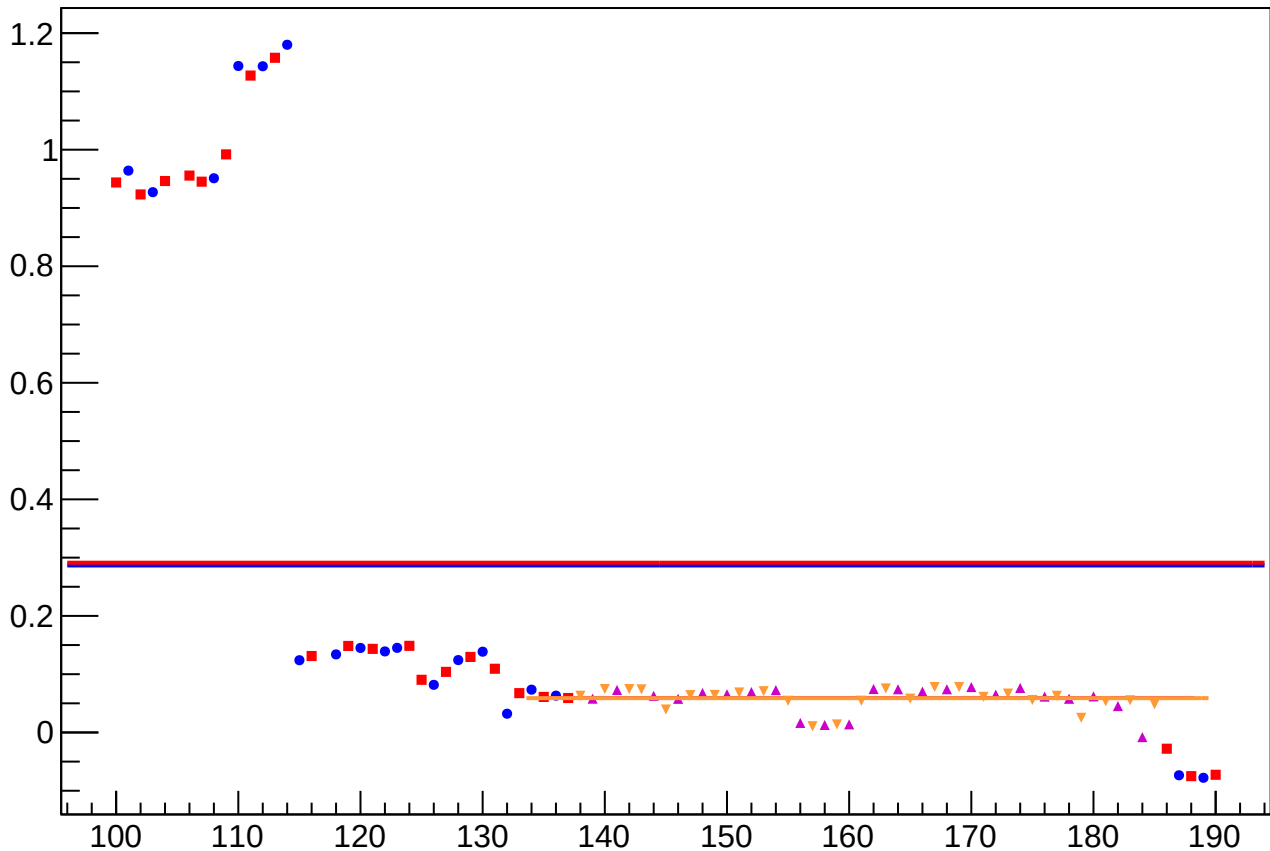
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 892810.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2325267.6/43

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 5909189.8/88

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 3558926.2/44

yield_bpm4ecY_mean vs Slug



Right In: 0.287 $\pm$ 0.000 χ^2 /NDF: 5373422617.0/18

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.291 $\pm$ 0.000 χ^2 /NDF: 6221835000.0/21

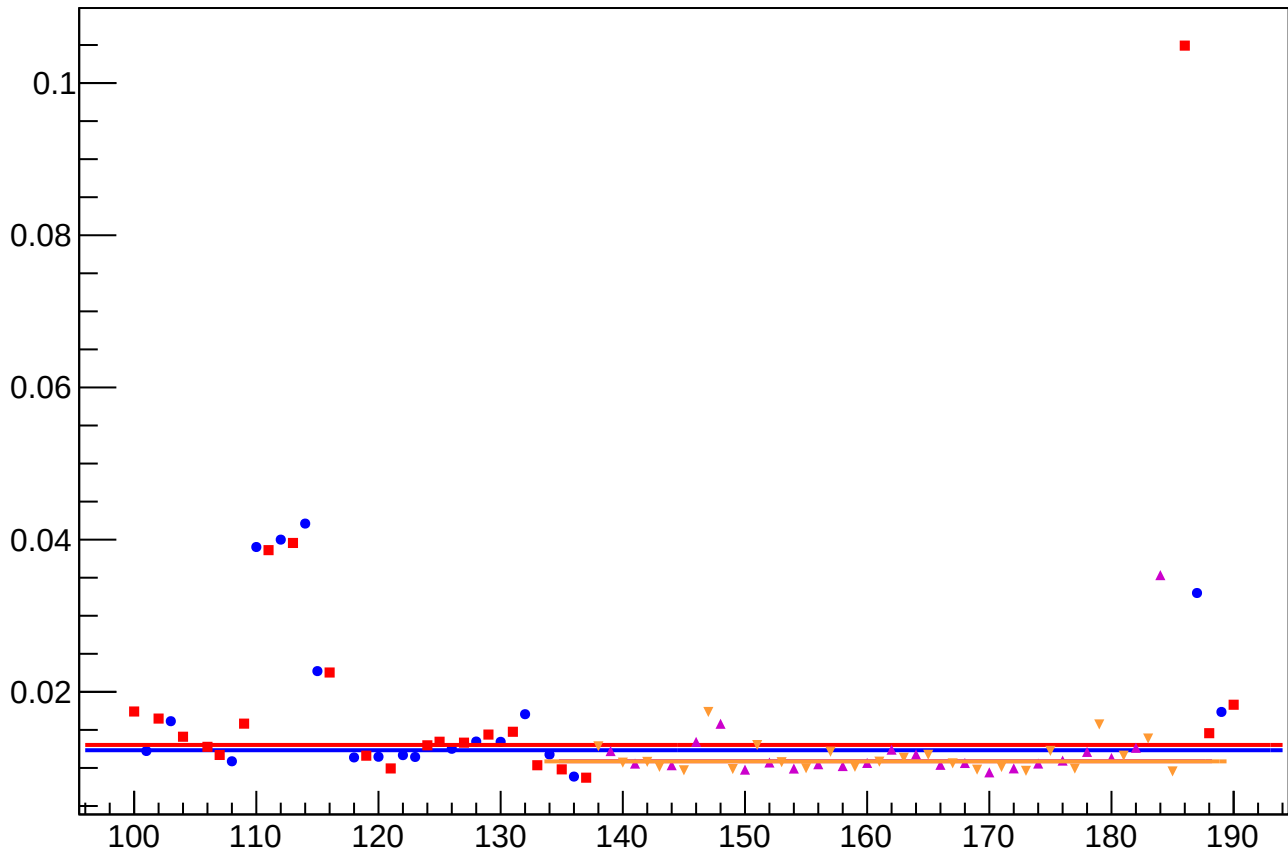
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.108 $\pm$ 0.000 χ^2 /NDF: 7037189367.6/43

All: 0.111 $\pm$ 0.000 χ^2 /NDF: 15043534088.7/8

- sign 0.113 $\pm$ 0.000 χ^2 /NDF: 8003829125.3/44

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1459137.5/18

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1866052.3/21

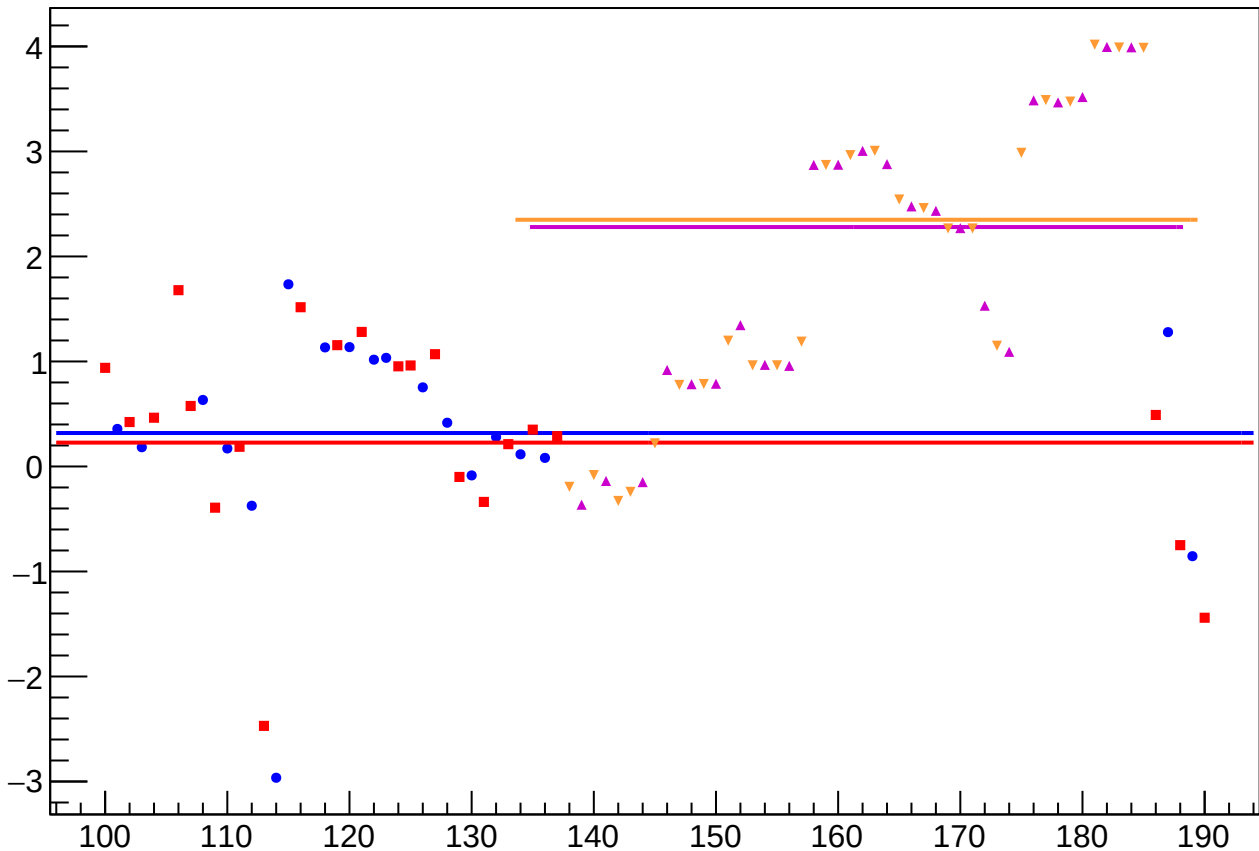
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:529867.3/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2198301.5/43

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4892829.1/88

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2686622.3/44

yield_bpm1X_mean vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 524148574.9/18

Left Out: 2.349 ± 0.000 χ^2/NDF : 63600066268.3/24

Right Out: 0.227 ± 0.000 χ^2/NDF : 1643834810.5/21

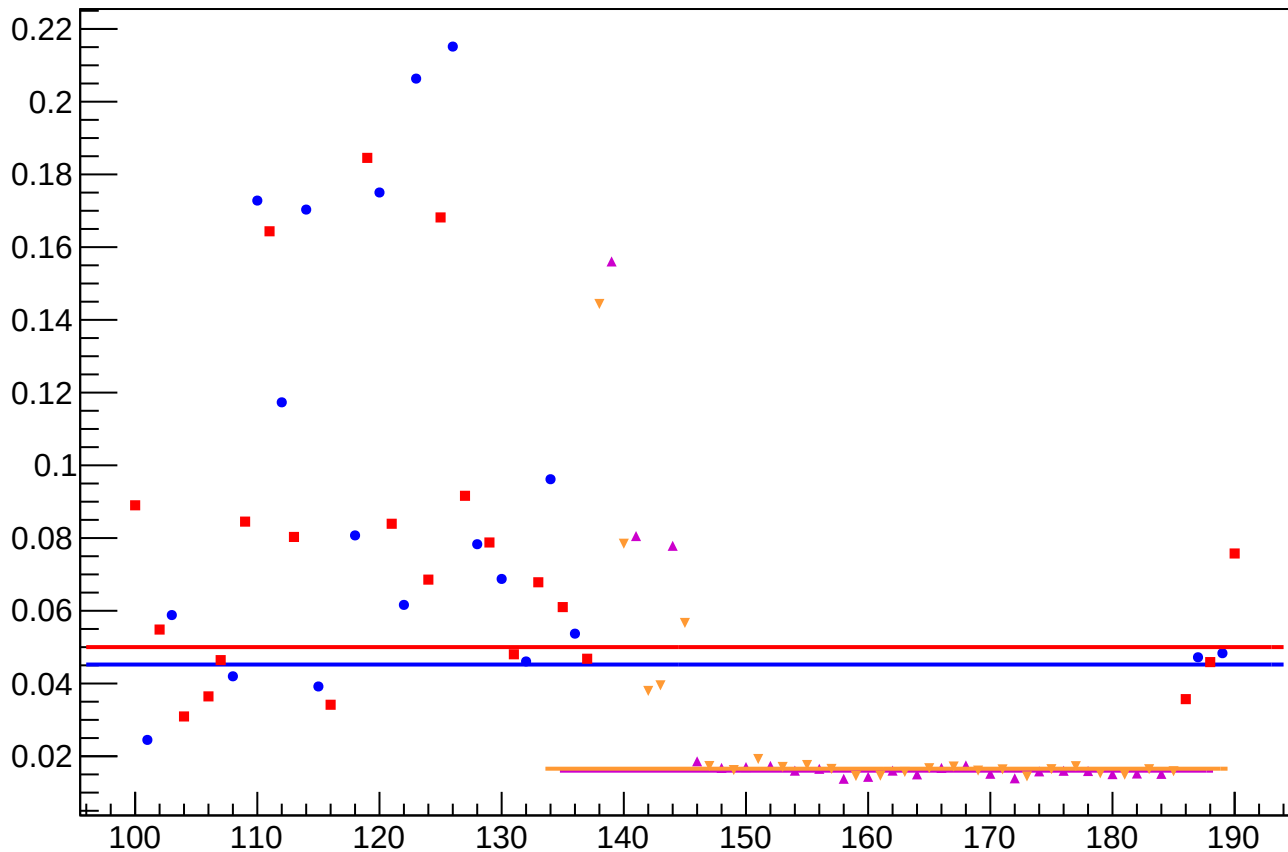
Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

+ sign 2.274 ± 0.000 χ^2/NDF : 71929469044.5/43

All: 2.235 ± 0.000 χ^2/NDF : 144040032304.6

- sign 2.197 ± 0.000 χ^2/NDF : 71951586791.9/44

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2776822.3/18

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.050 $\pm$ 0.000 χ^2 /NDF: 2394801.6/21

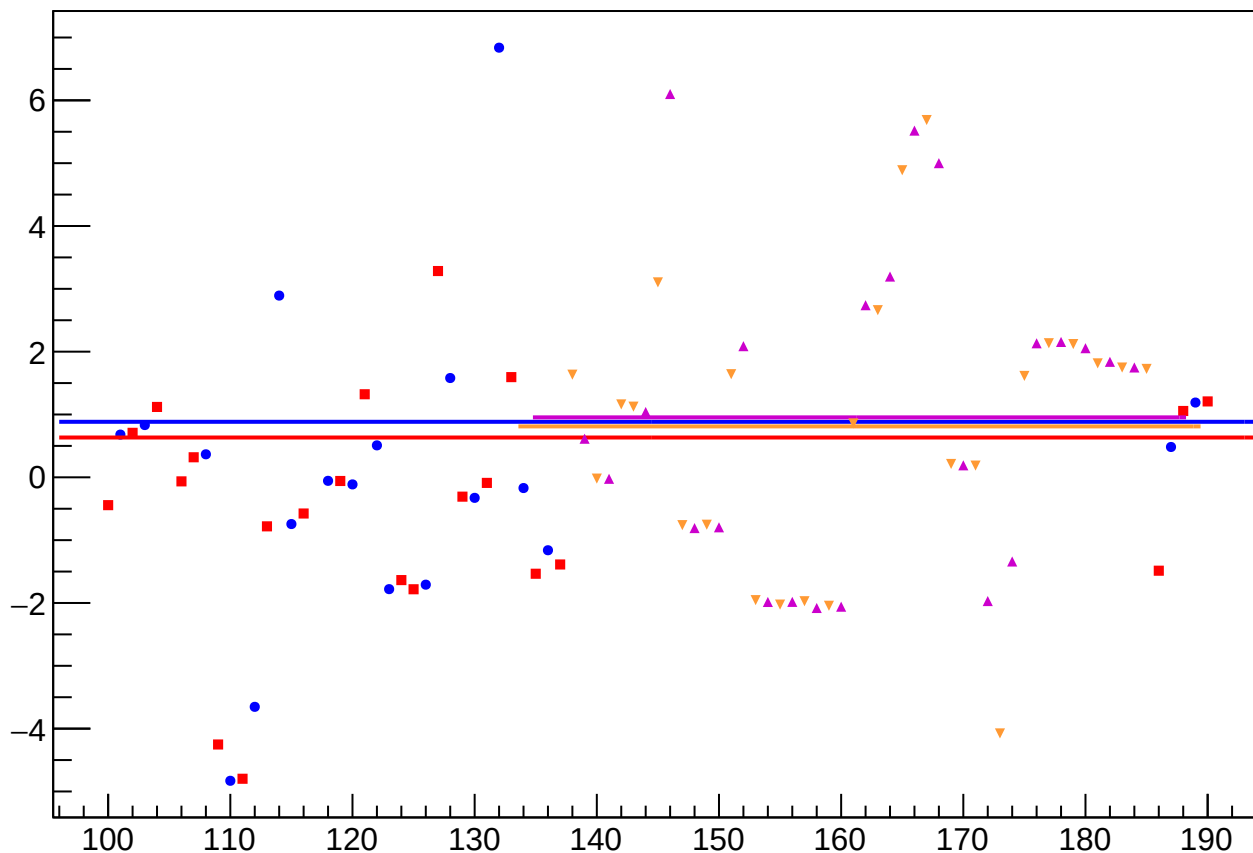
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8505628.4/43

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 18225049.3/88

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 9716412.9/44

yield_bpm1Y_mean vs Slug



Right In: 0.884 ± 0.000 χ^2/NDF : 11031663991.3/18

Left Out: 0.810 ± 0.000 χ^2/NDF : 507583198570.2/24

Right Out: 0.634 ± 0.000 χ^2/NDF : 5664673322.7/21

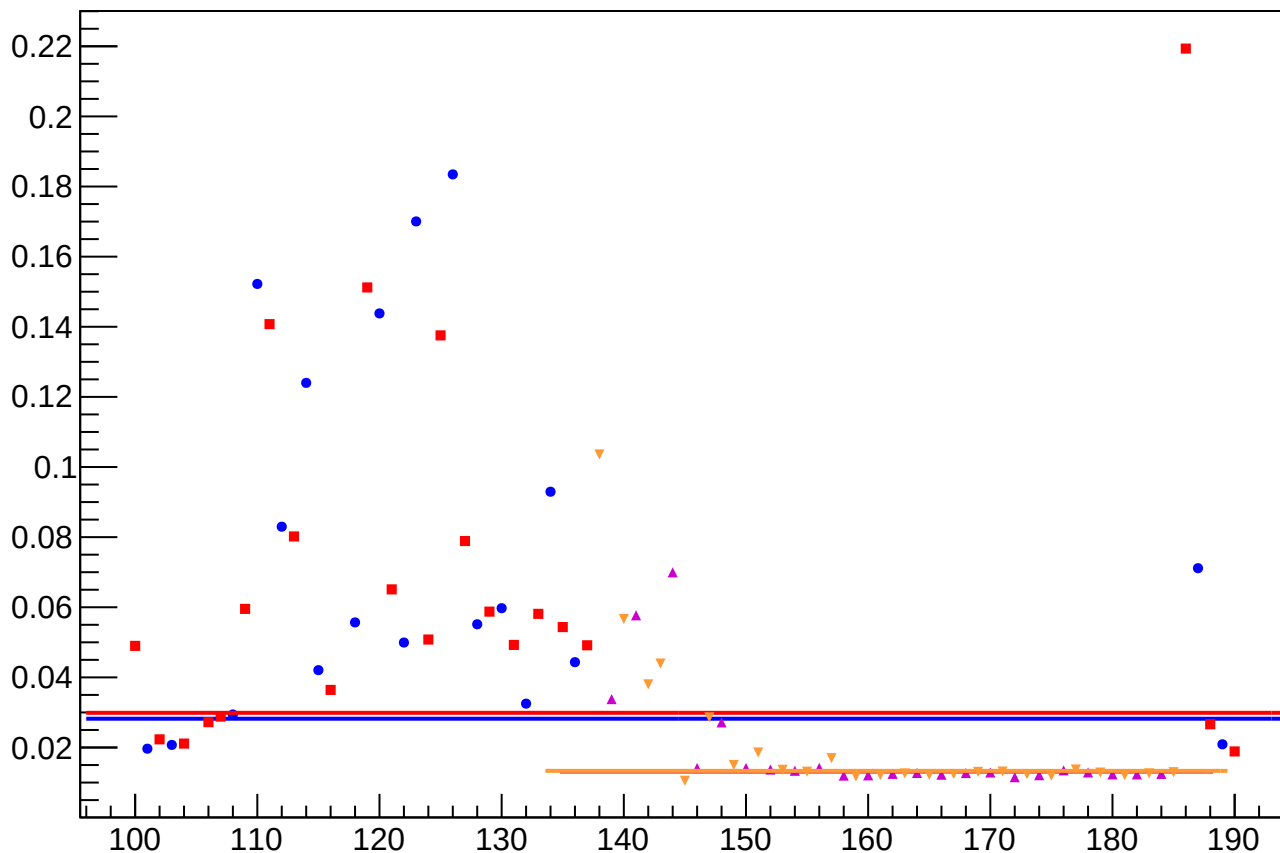
Left In: 0.954 ± 0.000 χ^2/NDF : 574792794608.3/22

+ sign 0.814 ± 0.000 χ^2/NDF : 518638896754.0/43

All: 0.875 ± 0.000 χ^2/NDF : 1100278640601.0

- sign 0.935 ± 0.000 χ^2/NDF : 580975657014.3/44

yield_bpm1Y_rms vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 3159291.0/18

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829070.5/24

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 3901879.7/21

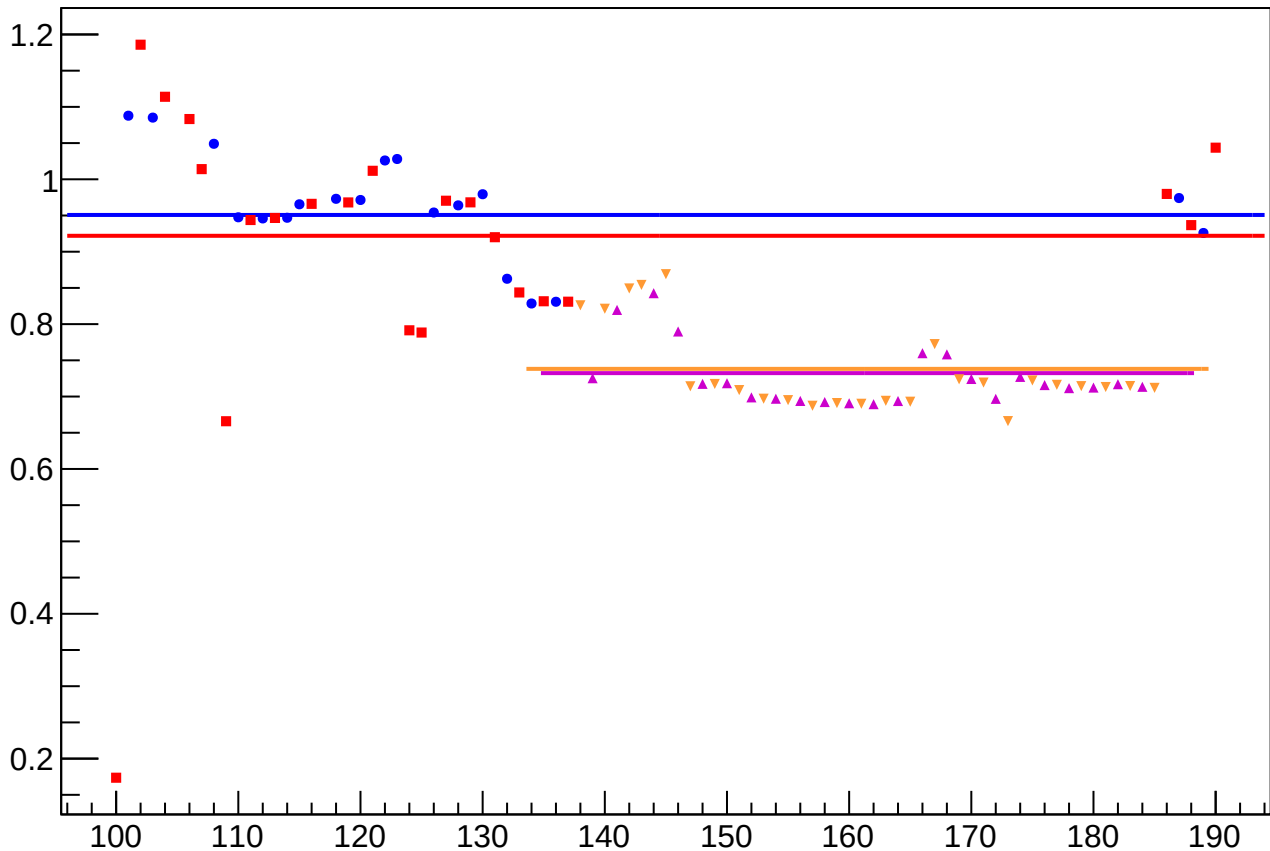
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7965693.9/43

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 16669102.6/88

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8703408.7/44

yield_bpm11X_mean vs Slug



Right In: 0.951 ± 0.000 χ^2/NDF : 174722498.3/18

Left Out: 0.738 ± 0.000 χ^2/NDF : 310610047.7/24

Right Out: 0.922 ± 0.000 χ^2/NDF : 381233551.8/21

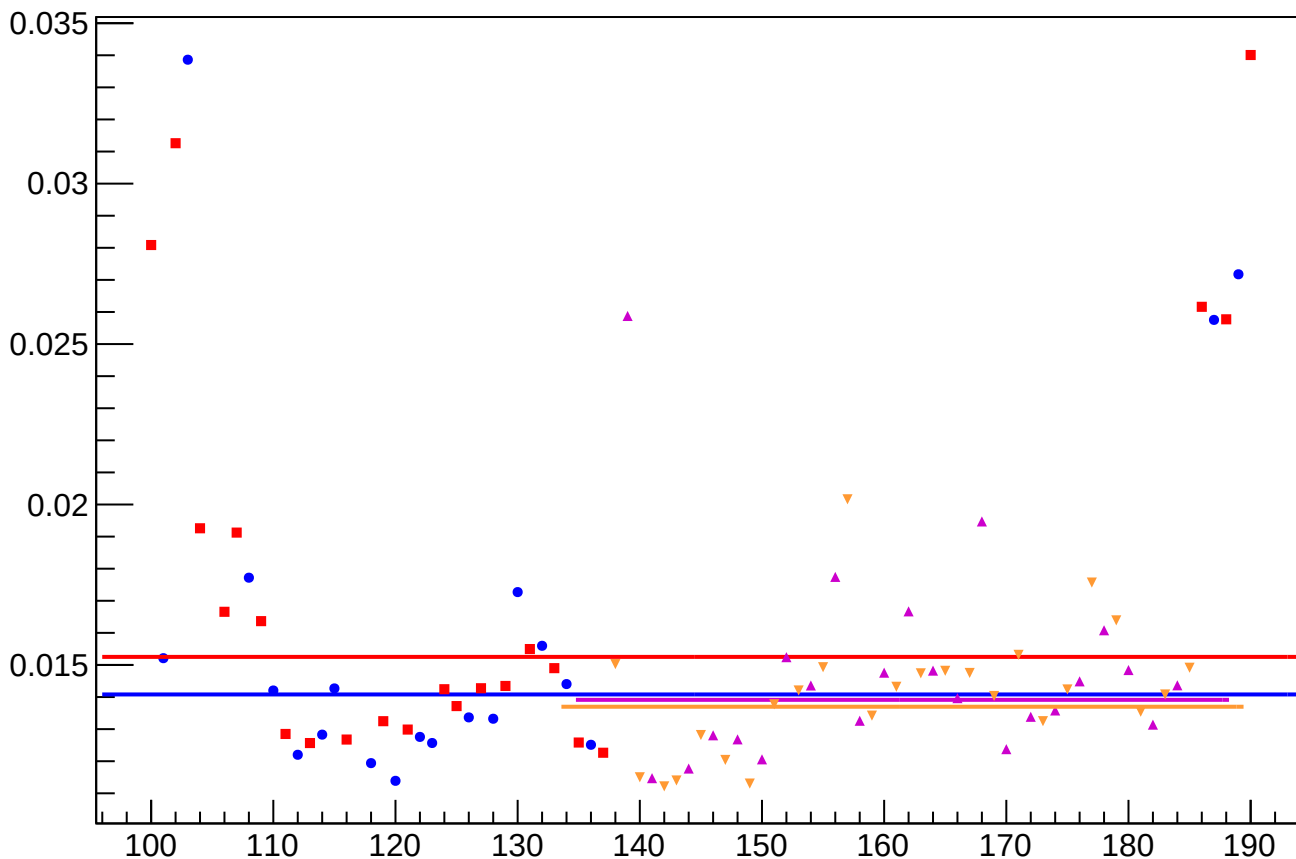
Left In: 0.732 ± 0.000 χ^2/NDF : 170806298.1/22

+ sign 0.794 ± 0.000 χ^2/NDF : 1517372064.2/43

All: 0.790 ± 0.000 χ^2/NDF : 2885284239.3/80

- sign 0.786 ± 0.000 χ^2/NDF : 1363454127.1/44

yield_bpm11X_rms vs Slug



Right In: 0.014 ± 0.000 χ^2/NDF : 791202.1/18

Left Out: 0.014 ± 0.000 χ^2/NDF : 530851.9/24

Right Out: 0.015 ± 0.000 χ^2/NDF : 1168185.1/21

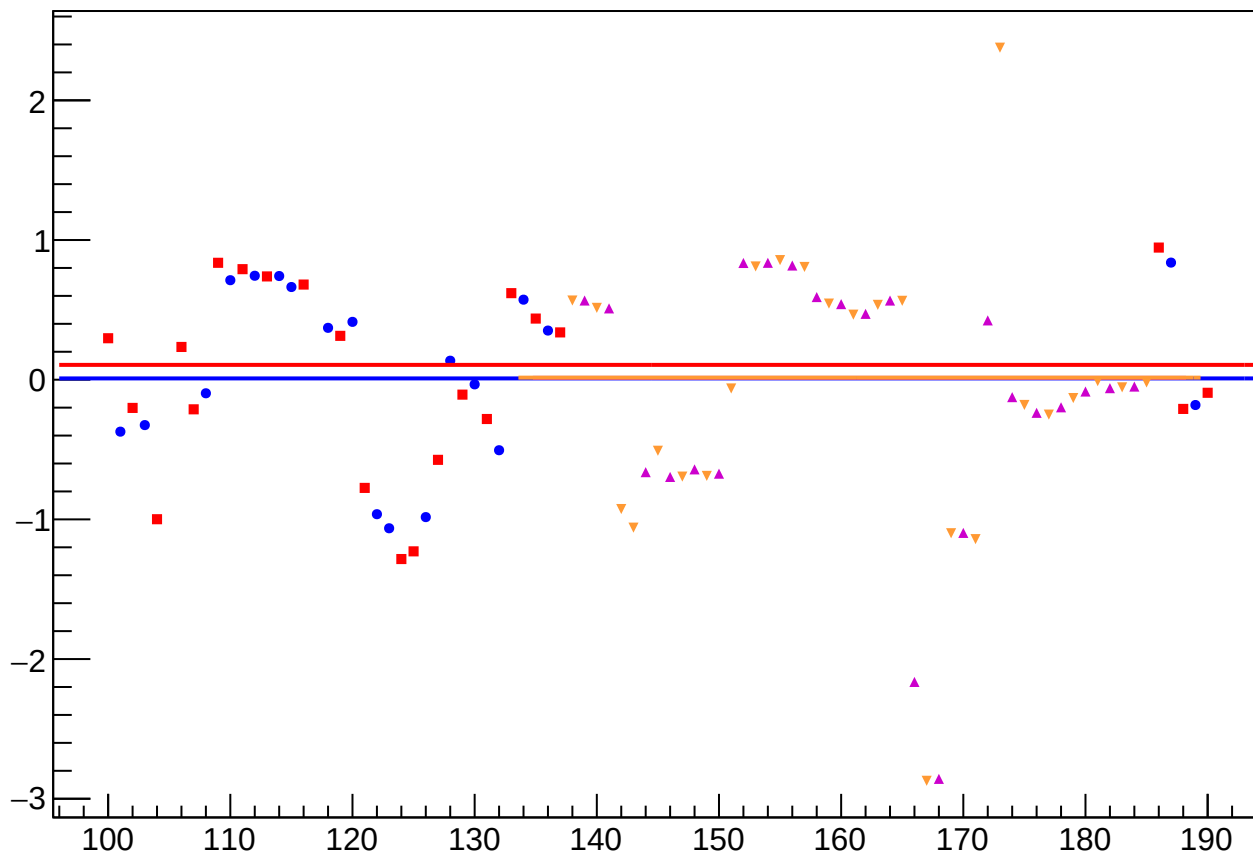
Left In: 0.014 ± 0.000 χ^2/NDF : 794558.0/22

+ sign 0.014 ± 0.000 χ^2/NDF : 1328747.8/43

All: 0.014 ± 0.000 χ^2/NDF : 3399768.7/88

- sign 0.014 ± 0.000 χ^2/NDF : 2043583.9/44

yield_bpm11Y_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 6404341931.0/18

Left Out: 0.015+/-0.000 χ^2/NDF : 96087835995.8/24

Right Out: 0.106+/-0.000 χ^2/NDF : 13140245639.7/21

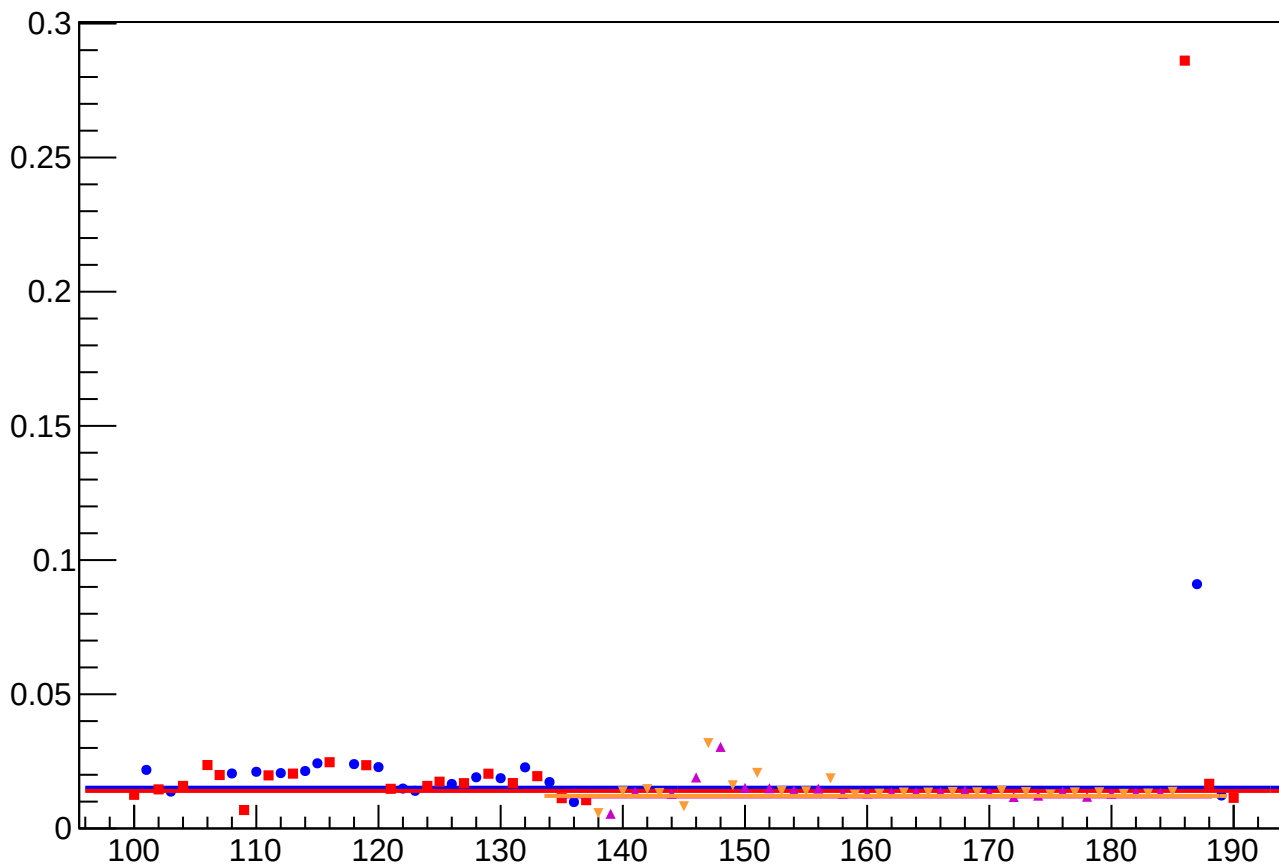
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.014+/-0.000 χ^2/NDF : 102492821052.2/43

All: 0.025+/-0.000 χ^2/NDF : 195329576689.7

- sign 0.035+/-0.000 χ^2/NDF : 92805090317.8/44

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1374005.4/18

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 3107648.9/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2256455.0/21

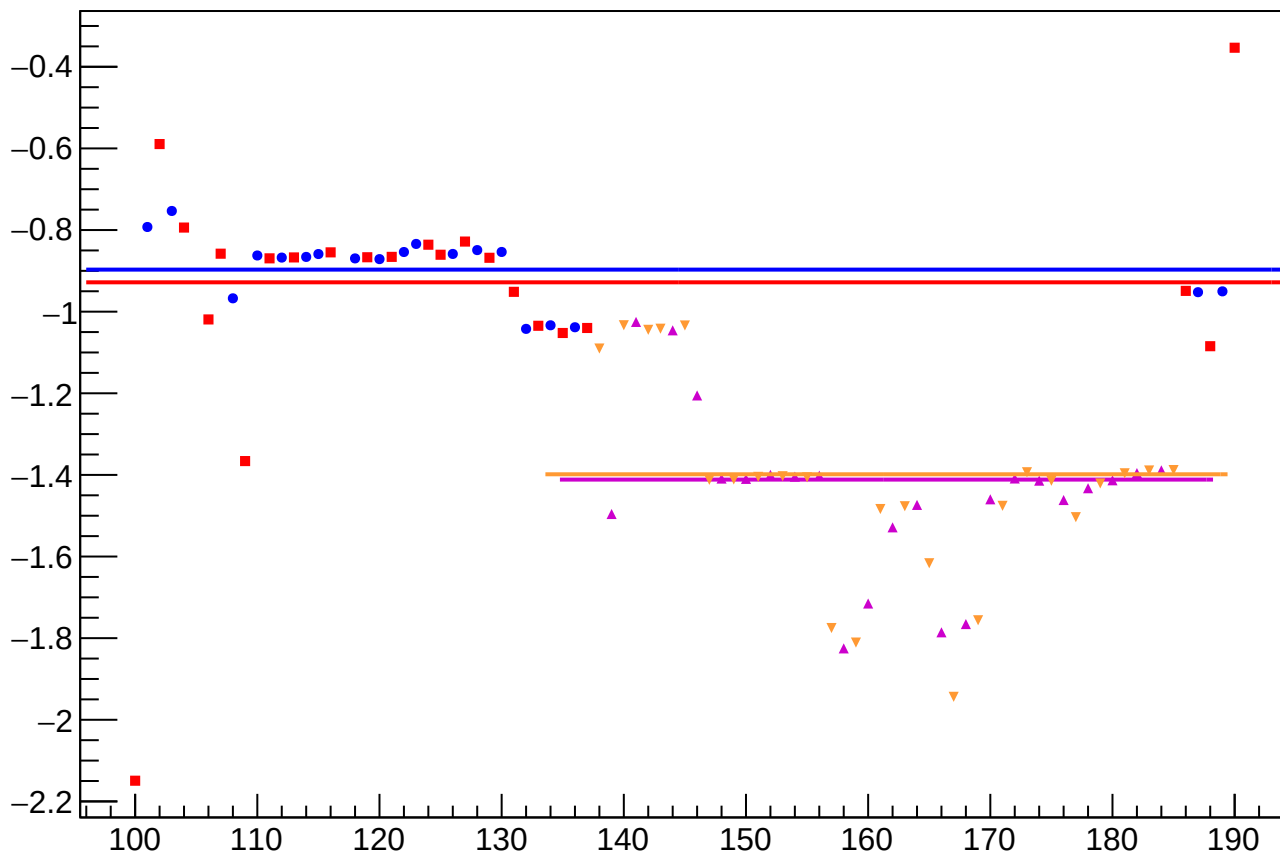
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 3105948.8/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4874785.0/43

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 10463338.0/88

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5577604.9/44

yield_bpm12X_mean vs Slug



Right In: -0.897 ± 0.000 χ^2/NDF : 38418076.5/18

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.928 ± 0.000 χ^2/NDF : 151146541.2/21

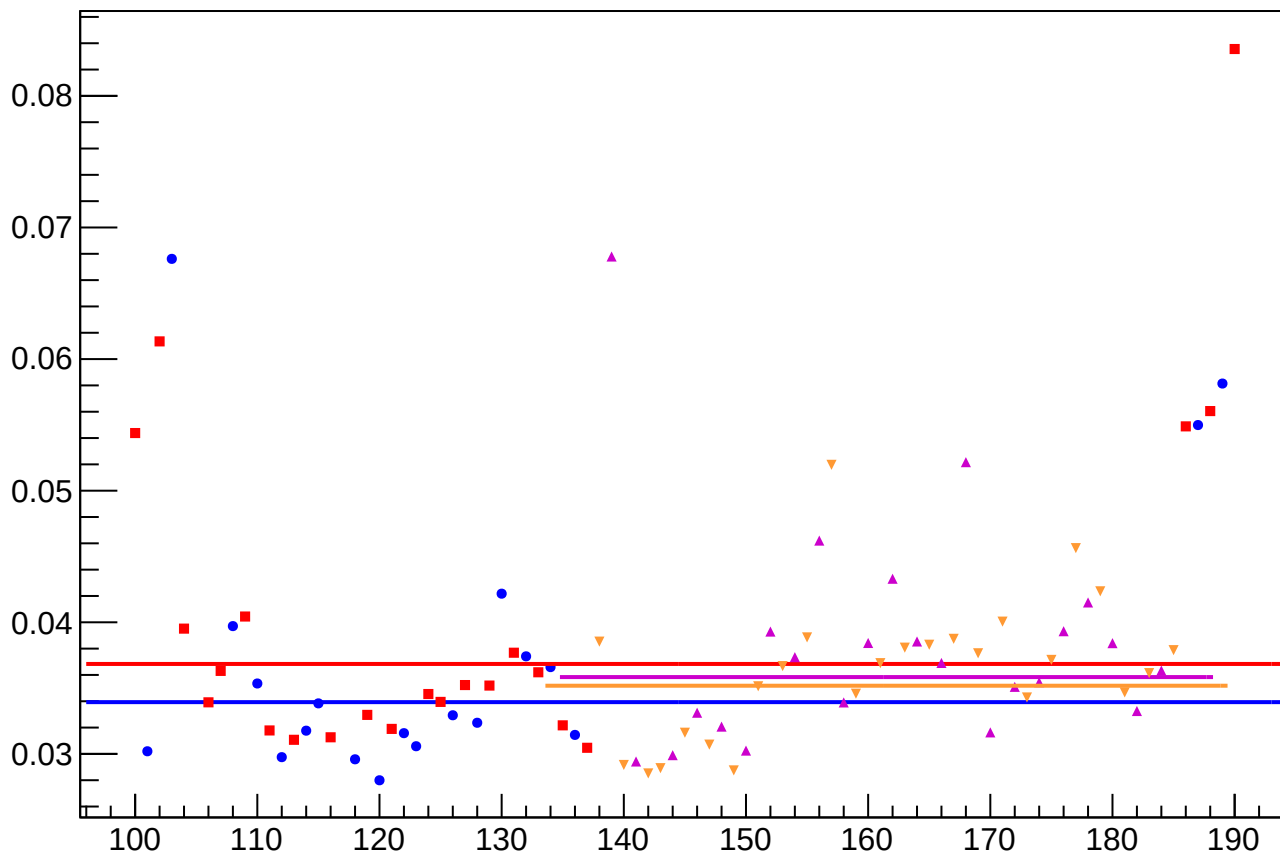
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.251 ± 0.000 χ^2/NDF : 1734758757.6/43

All: -1.255 ± 0.000 χ^2/NDF : 3277412185.0/8

- sign -1.260 ± 0.000 χ^2/NDF : 1541918439.1/44

yield_bpm12X_rms vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 584818.3/18

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.037 $\pm$ 0.000 χ^2 /NDF: 805454.6/21

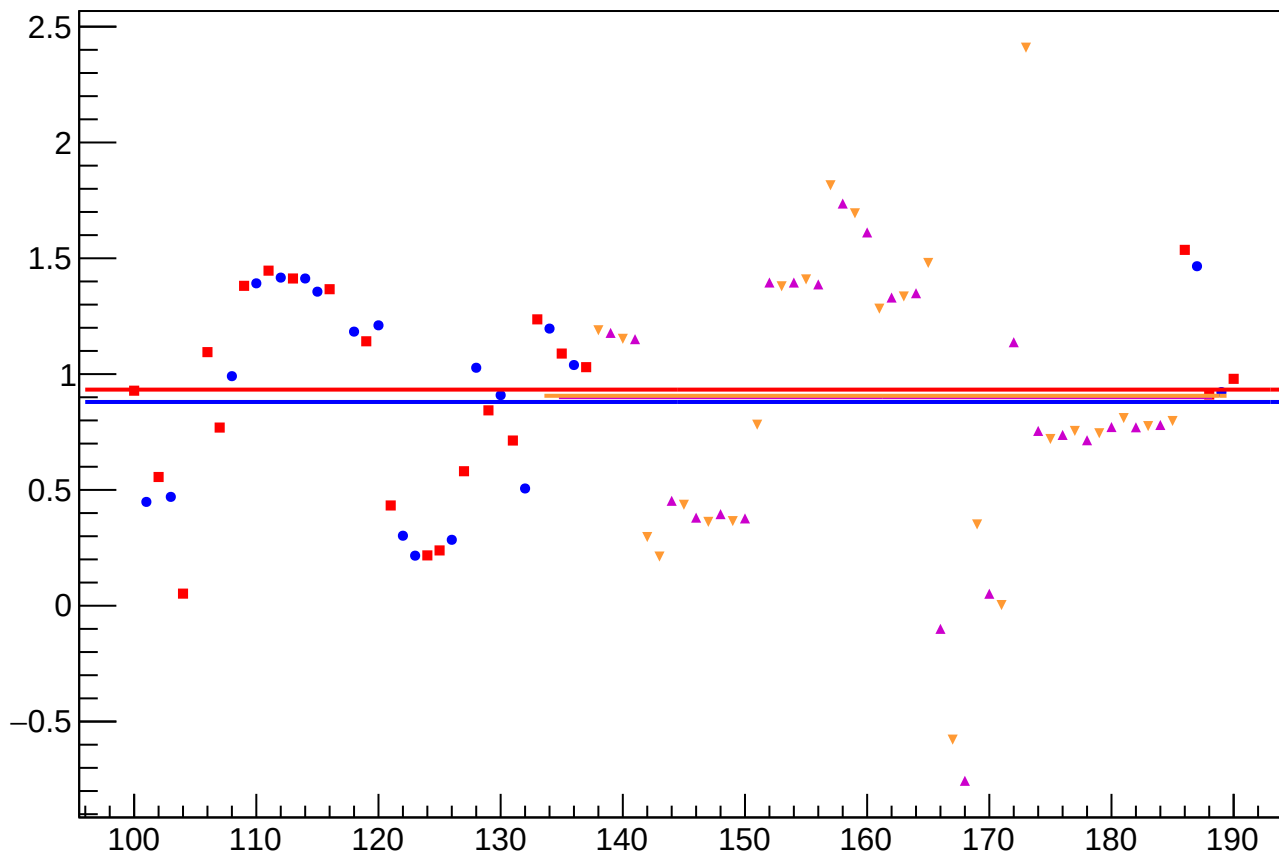
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1194603.8/43

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 2930557.6/88

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 1703924.2/44

yield_bpm12Y_mean vs Slug



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: 0.933 ± 0.000 χ^2/NDF : 9973039173.7/21

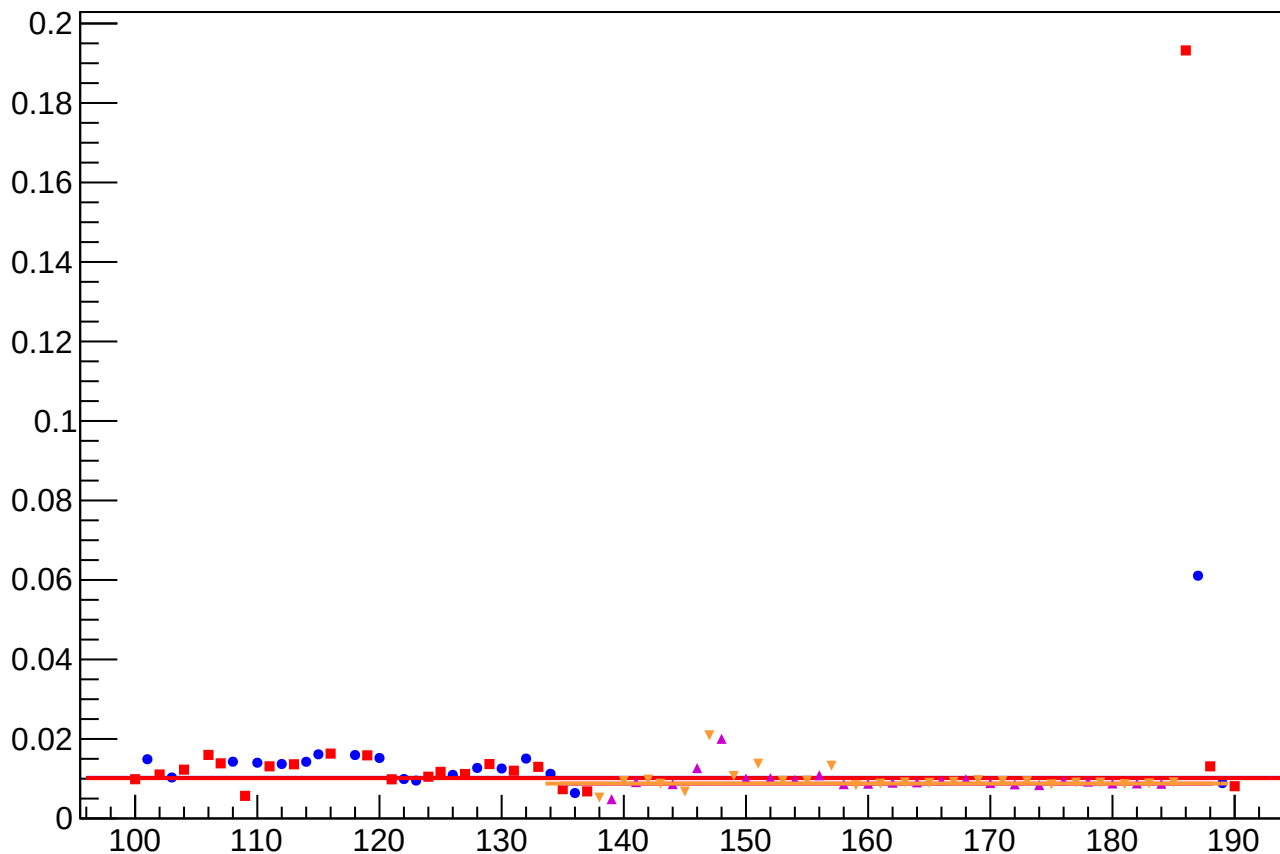
Left In: 0.901 ± 0.000 χ^2/NDF : 66932223067.8/22

+ sign 0.901 ± 0.000 χ^2/NDF : 90621334520.7/43

All: 0.905 ± 0.000 χ^2/NDF : 167586809418.2

- sign 0.908 ± 0.000 χ^2/NDF : 76957804458.8/44

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1415700.3/18

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1910290.7/21

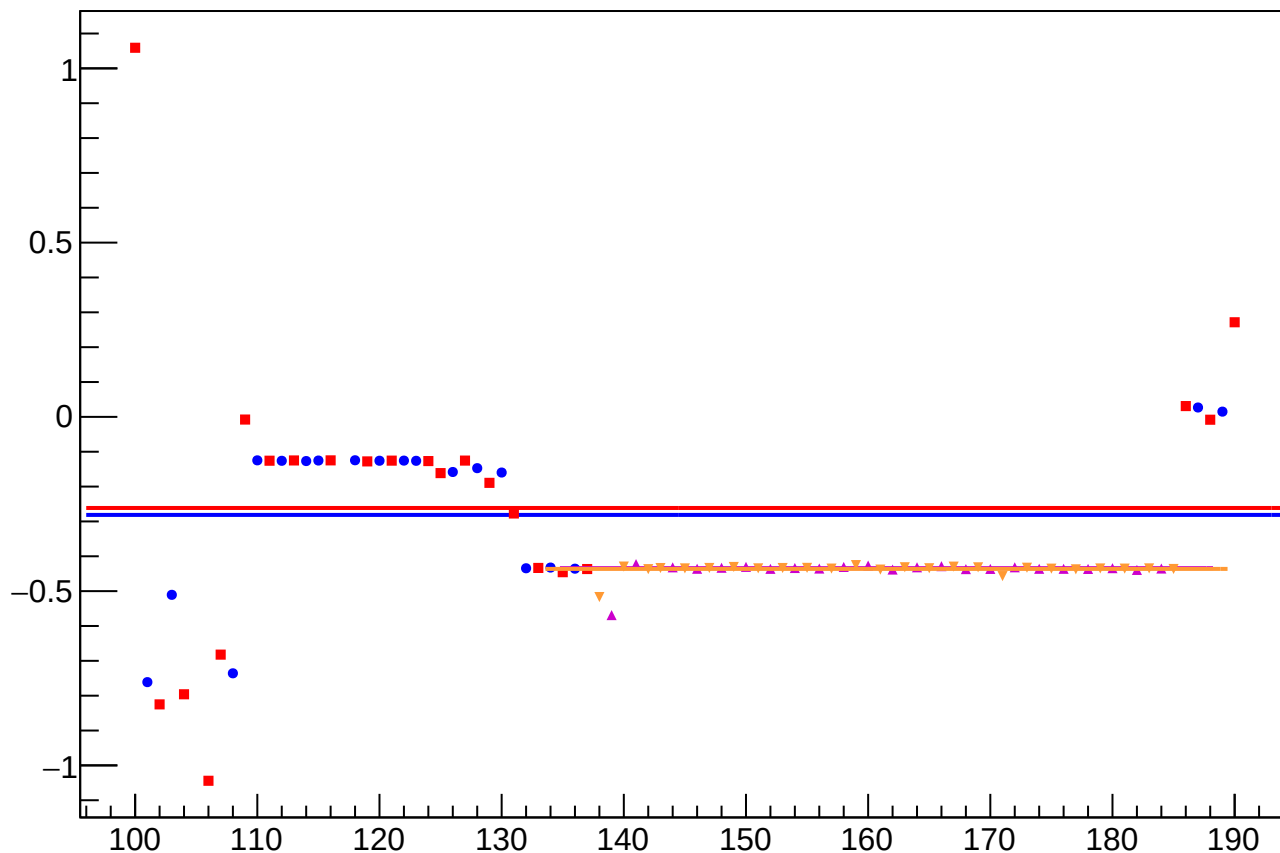
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3297751.1/43

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7076976.8/88

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3779223.7/44

yield_bpm16X_mean vs Slug



Right In: -0.281+/-0.000 χ^2/NDF : 914770478.3/18

Left Out: -0.436+/-0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.261+/-0.000 χ^2/NDF : 1026494376.3/21

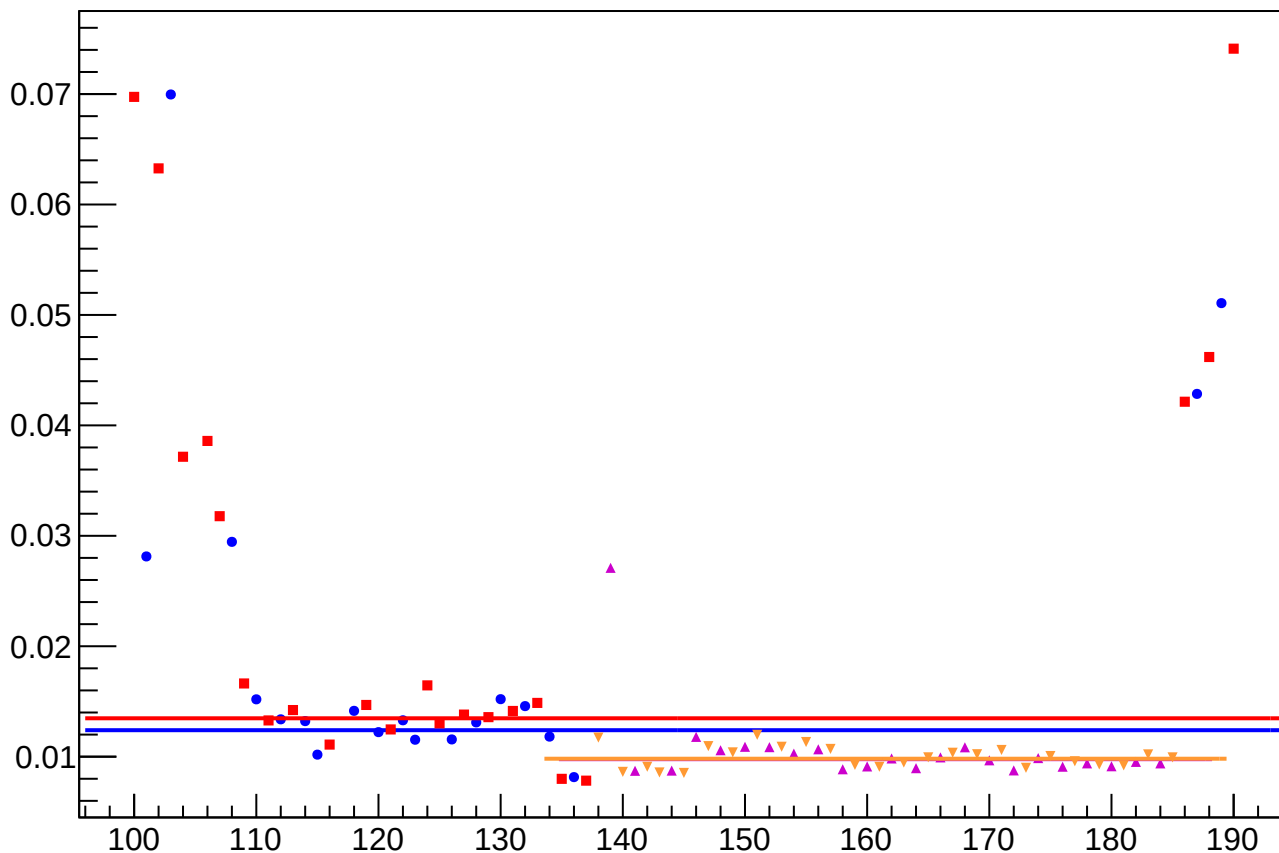
Left In: -0.434+/-0.000 χ^2/NDF : 20164730.3/22

+ sign -0.411+/-0.000 χ^2/NDF : 1580634369.0/43

All: -0.408+/-0.000 χ^2/NDF : 3386178479.9/8

- sign -0.405+/-0.000 χ^2/NDF : 1802728591.9/44

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2312636.4/18

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 271172.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 3624101.2/21

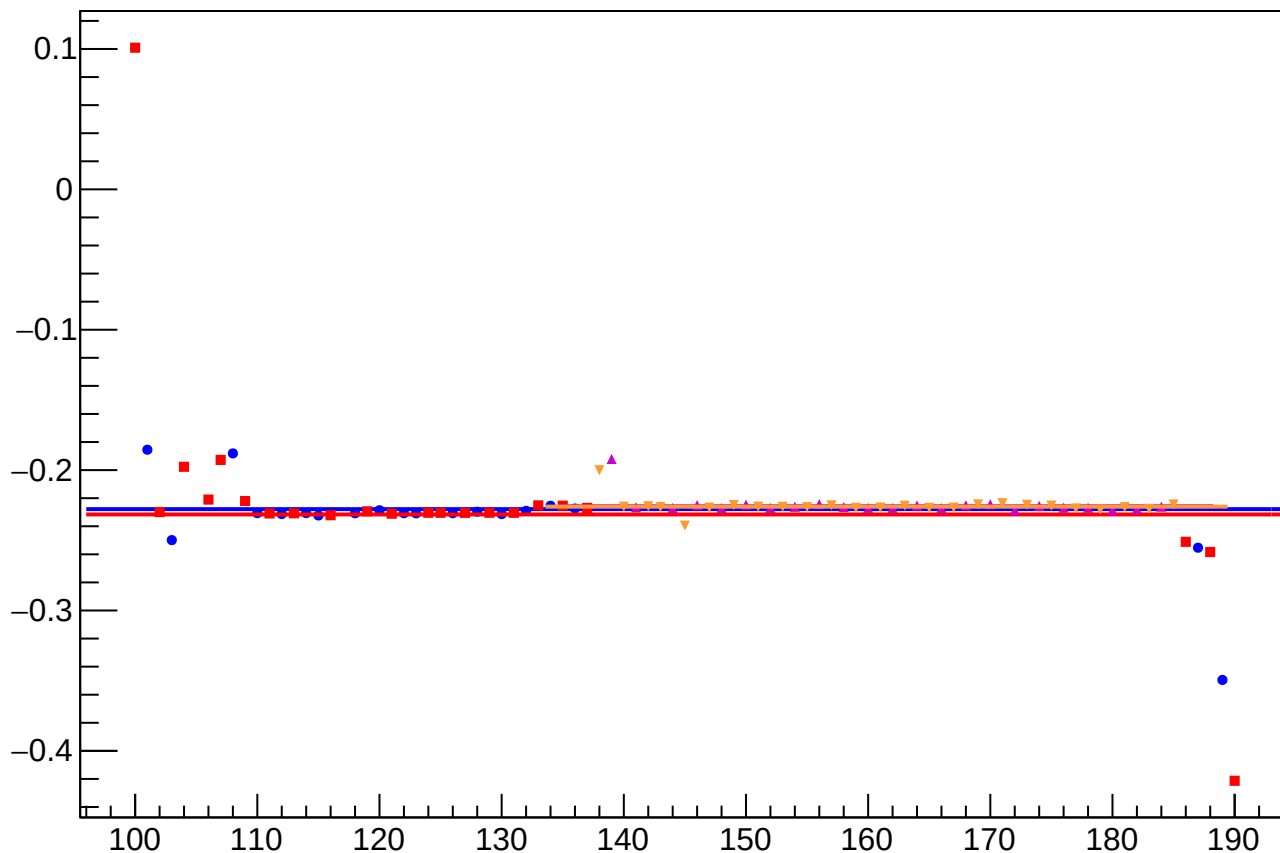
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 786577.8/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2938118.7/43

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 8049008.2/88

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 5106735.3/44

yield_bpm16Y_mean vs Slug



Right In: -0.228 ± 0.000 χ^2/NDF : 209786854.9/18

Left Out: -0.226 ± 0.000 χ^2/NDF : 21207366.3/24

Right Out: -0.232 ± 0.000 χ^2/NDF : 532611402.0/21

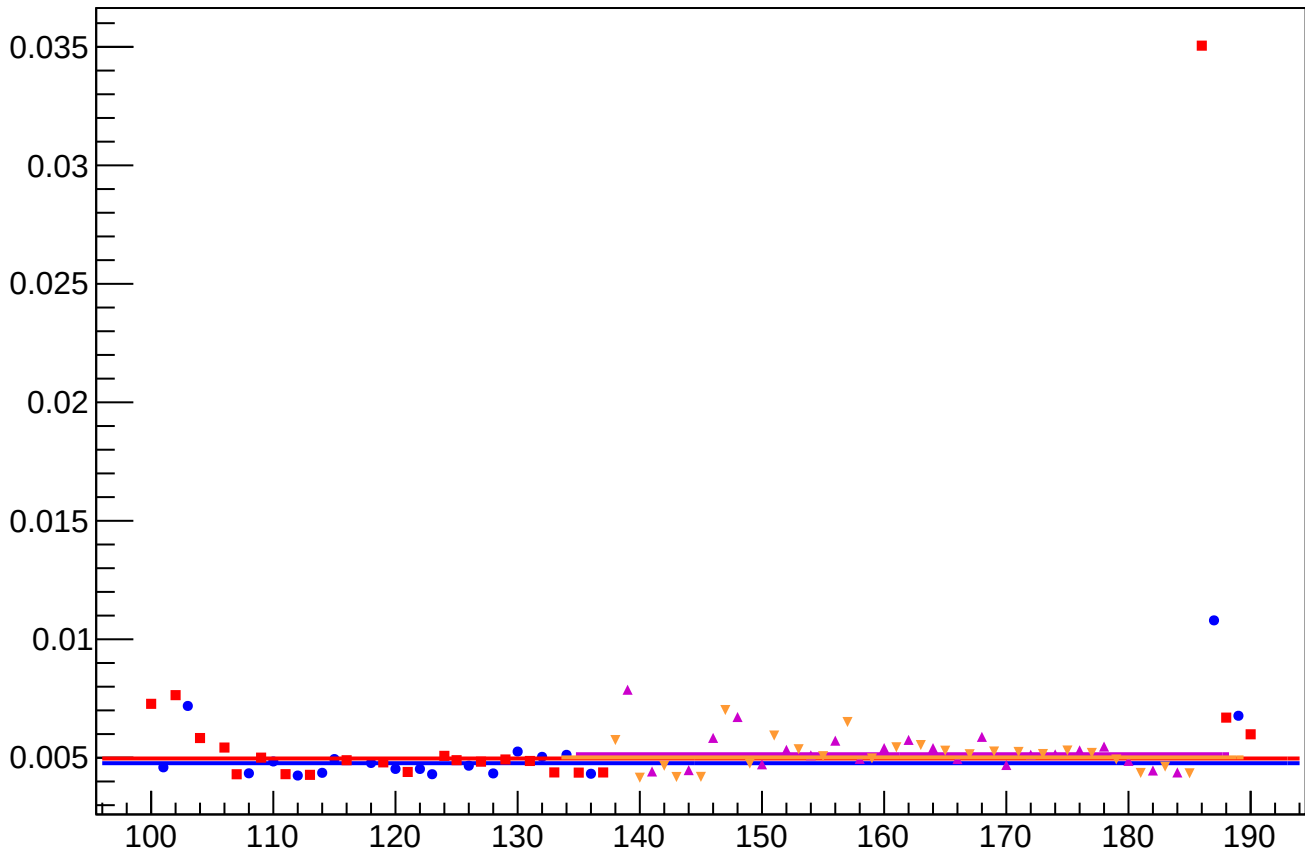
Left In: -0.226 ± 0.000 χ^2/NDF : 13717302.5/22

+ sign -0.227 ± 0.000 χ^2/NDF : 231634795.5/43

All: -0.227 ± 0.000 χ^2/NDF : 785575094.4/88

- sign -0.228 ± 0.000 χ^2/NDF : 553337854.0/44

yield_bpm16Y_rms vs Slug



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 : 921577.9/21

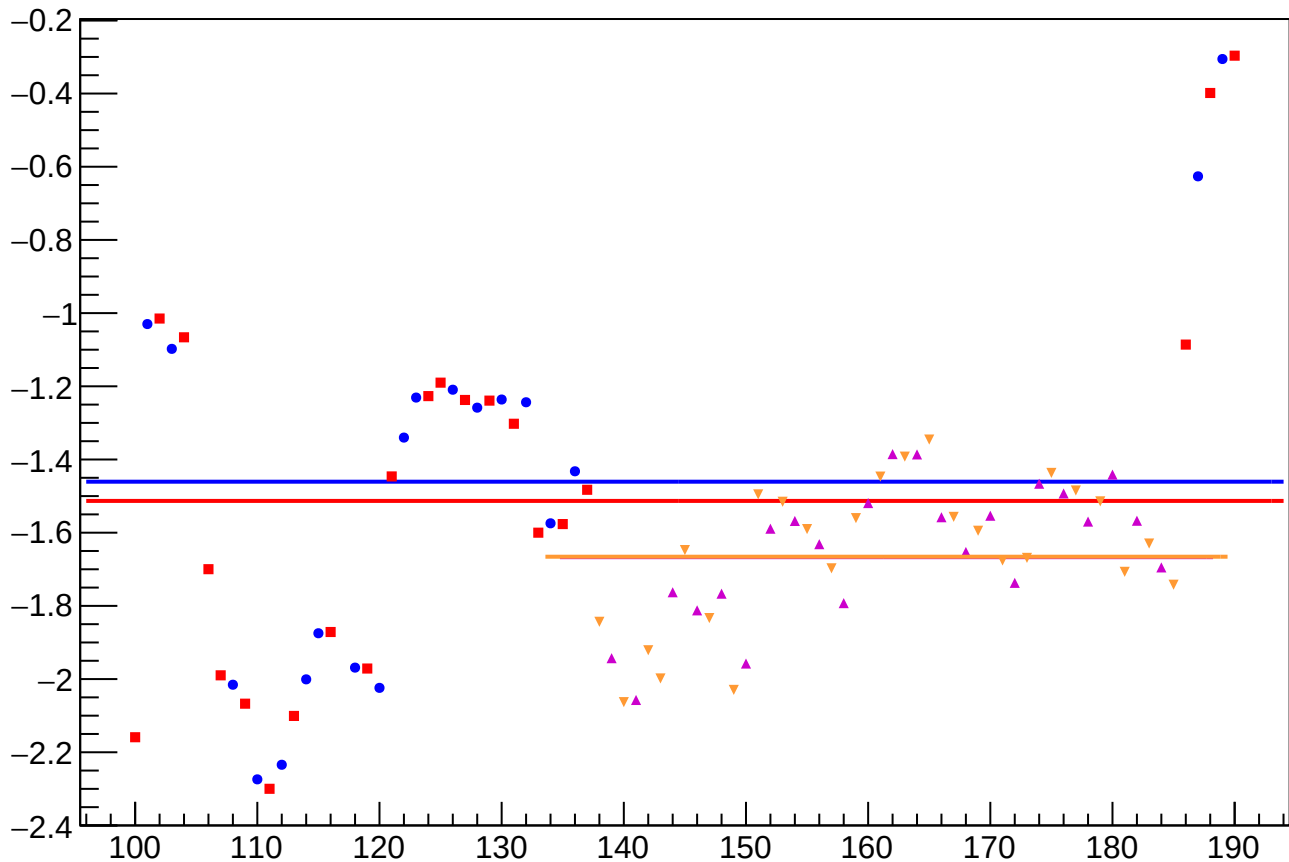
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 898269.2/43

All: 0.005+/-0.000 χ^2/NDF : 2357117.8/88

- sign 0.005+/-0.000 χ^2/NDF : 1438875.9/44

yield_bpm0l01X_mean vs Slug



Right In: -1.461 ± 0.000 $\chi^2/\text{NDF}: 27993737079.2/18$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18368038680.8/24$

Right Out: -1.513 ± 0.000 $\chi^2/\text{NDF}: 46182499982.8/21$

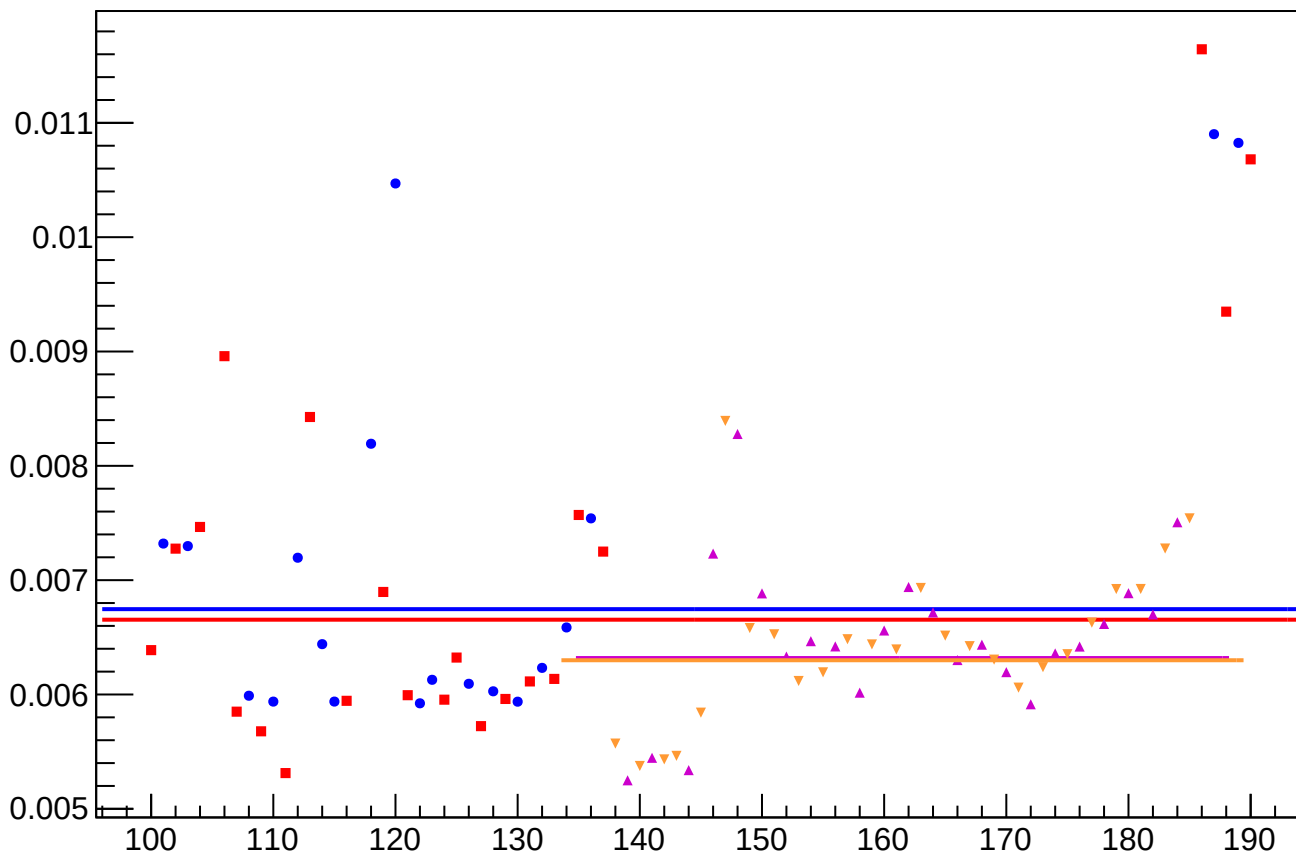
Left In: -1.667 ± 0.000 $\chi^2/\text{NDF}: 14615453869.3/22$

+ sign -1.616 ± 0.000 $\chi^2/\text{NDF}: 50894620706.8/43$

All: -1.618 ± 0.000 $\chi^2/\text{NDF}: 114645926016.7$

- sign -1.621 ± 0.000 $\chi^2/\text{NDF}: 63743959743.1/44$

yield_bpm0l01X_rms vs Slug



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 : 620260.6/21

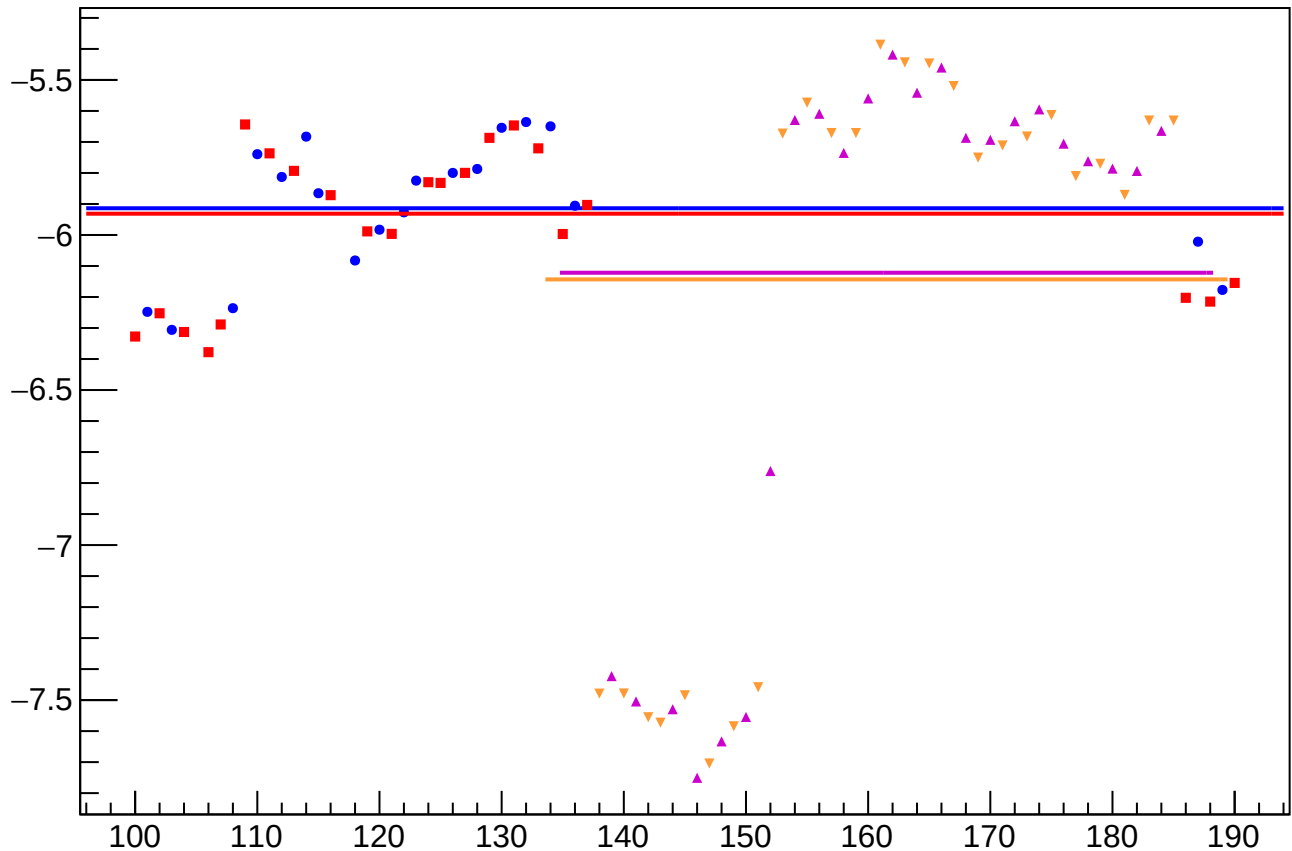
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 713544.8/43

All: 0.006+/-0.000 χ^2/NDF : 1696256.7/88

- sign 0.006+/-0.000 χ^2/NDF : 982638.1/44

yield_bpm0l01Y_mean vs Slug



Right In: -5.914 ± 0.000 χ^2/NDF : 11301128442.2/18

Left Out: -6.143 ± 0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.931 ± 0.000 χ^2/NDF : 13563190391.0/21

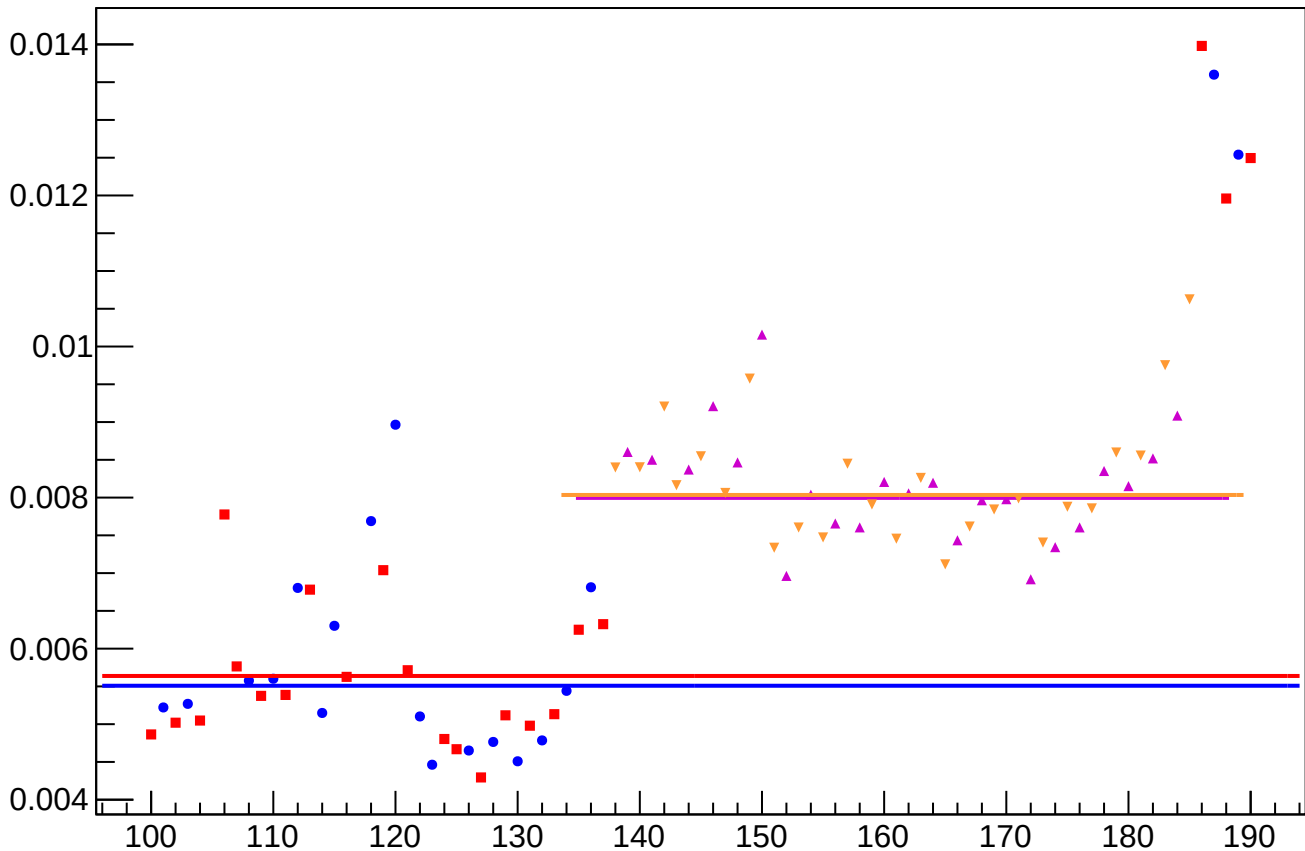
Left In: -6.122 ± 0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.042 ± 0.000 χ^2/NDF : 203030344978.9/43

All: -6.036 ± 0.000 χ^2/NDF : 380898023894.9

- sign -6.030 ± 0.000 χ^2/NDF : 177834057168.6/44

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 710854.5/18

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1210449.1/21

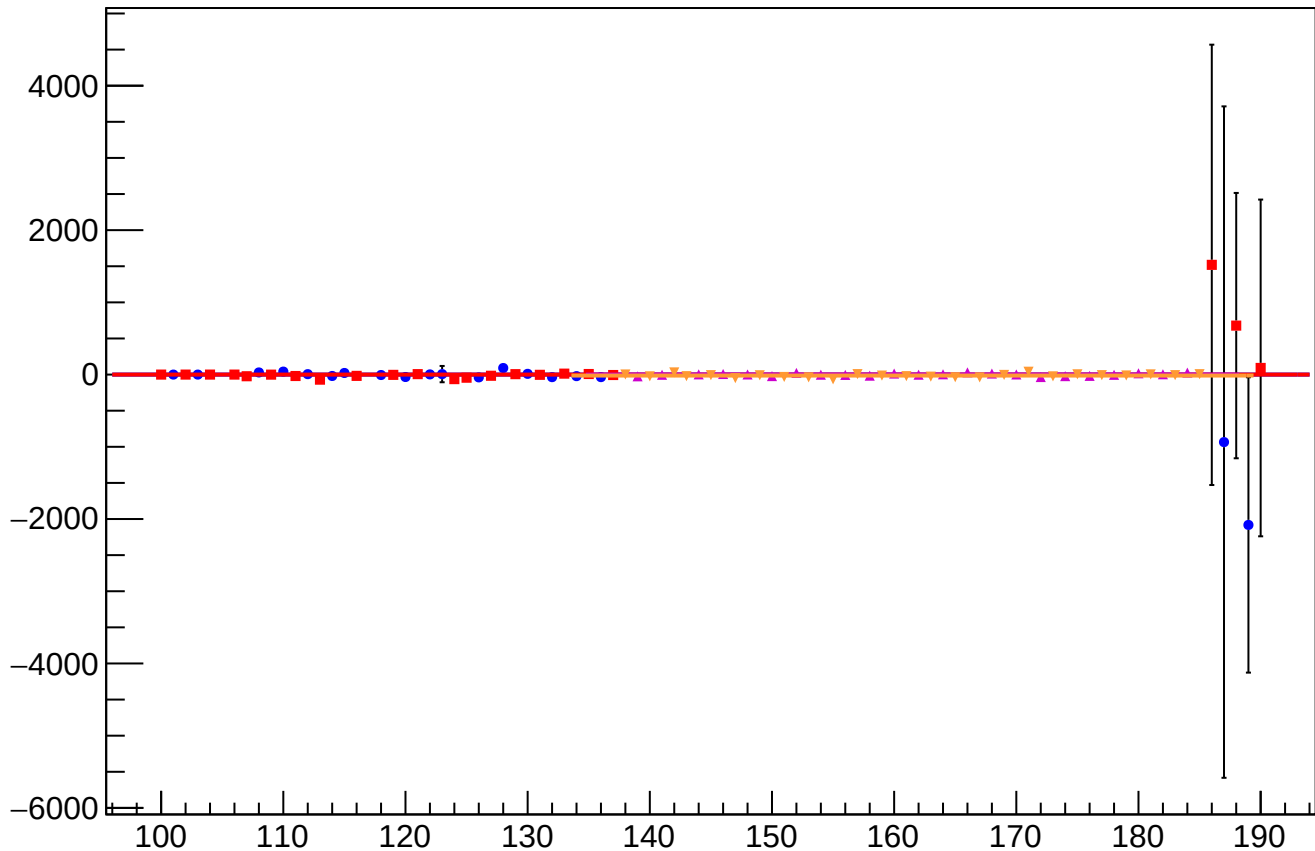
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 2372486.7/43

All: 0.007+/-0.000 χ^2/NDF : 5142153.9/88

- sign 0.007+/-0.000 χ^2/NDF : 2767980.9/44

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 17.3/18

Left Out: -13.472 $\pm$ 2.796 χ^2 /NDF: 58.5/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 15.3/21

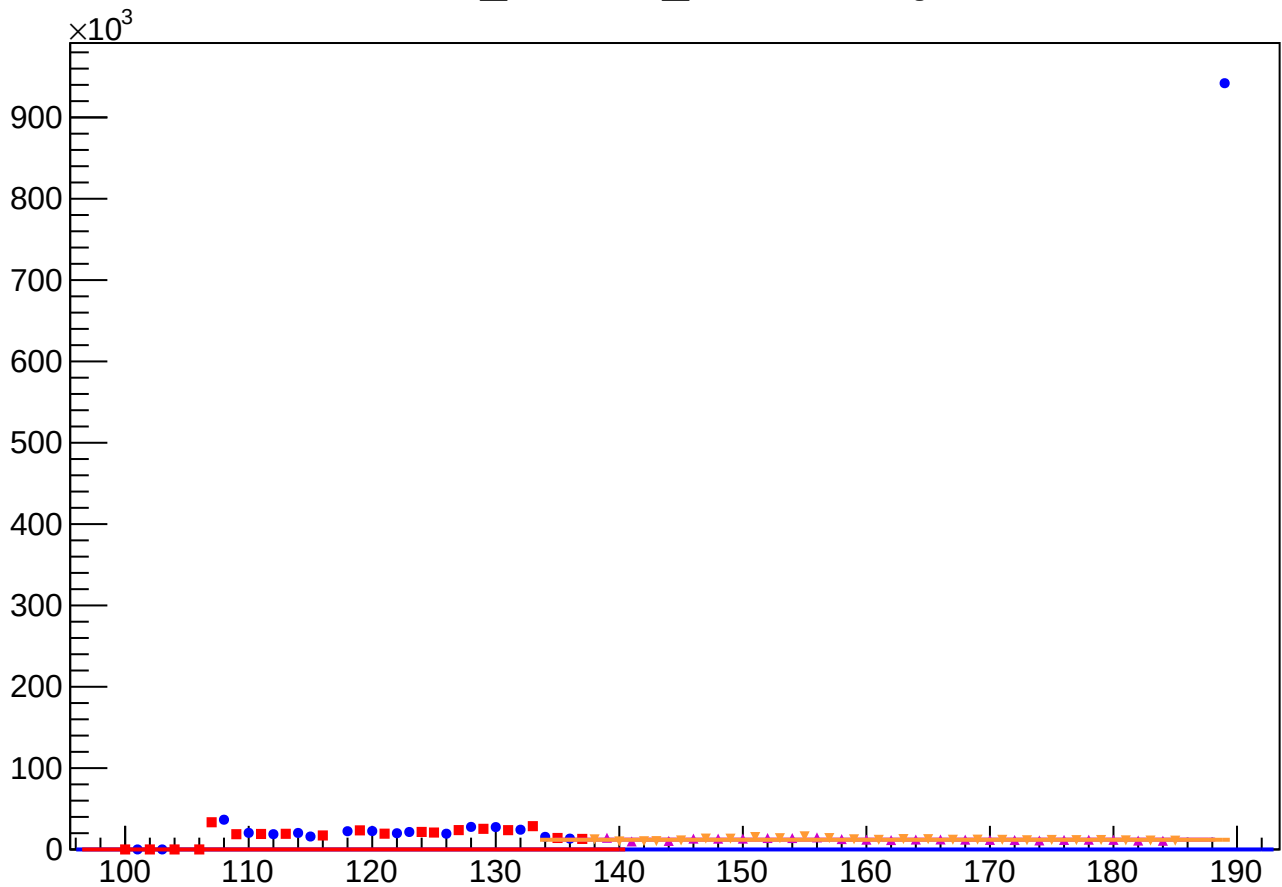
Left In: -0.489 $\pm$ 2.905 χ^2 /NDF: 28.7/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 99.1/43

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 143.3/88

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 44.0/44

diff_cav4bX_rms vs Slug



Right In: 18.640 ± 0.012 χ^2/NDF : 10982766.4/17

Left Out: 11909.835 ± 1.977 χ^2/NDF : 475310.2/24

Right Out: 18.311 ± 0.011 χ^2/NDF : 11056055.0/18

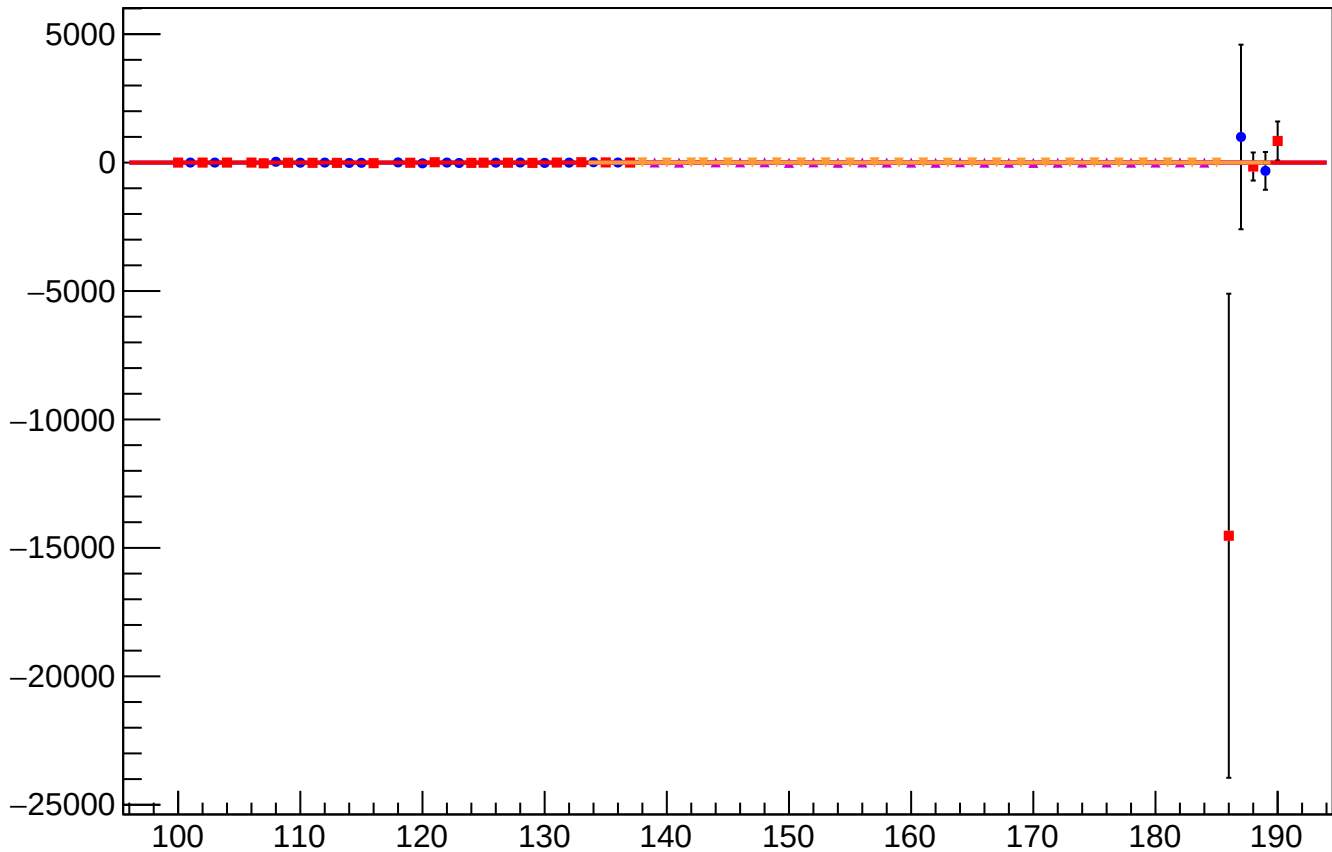
Left In: 12064.321 ± 2.054 χ^2/NDF : 372586.0/22

+ sign 19.097 ± 0.012 χ^2/NDF : 47623008.9/42

All: 18.873 ± 0.008 χ^2/NDF : 93432232.0/84

- sign 18.680 ± 0.011 χ^2/NDF : 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/18

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF:17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 22.3/21

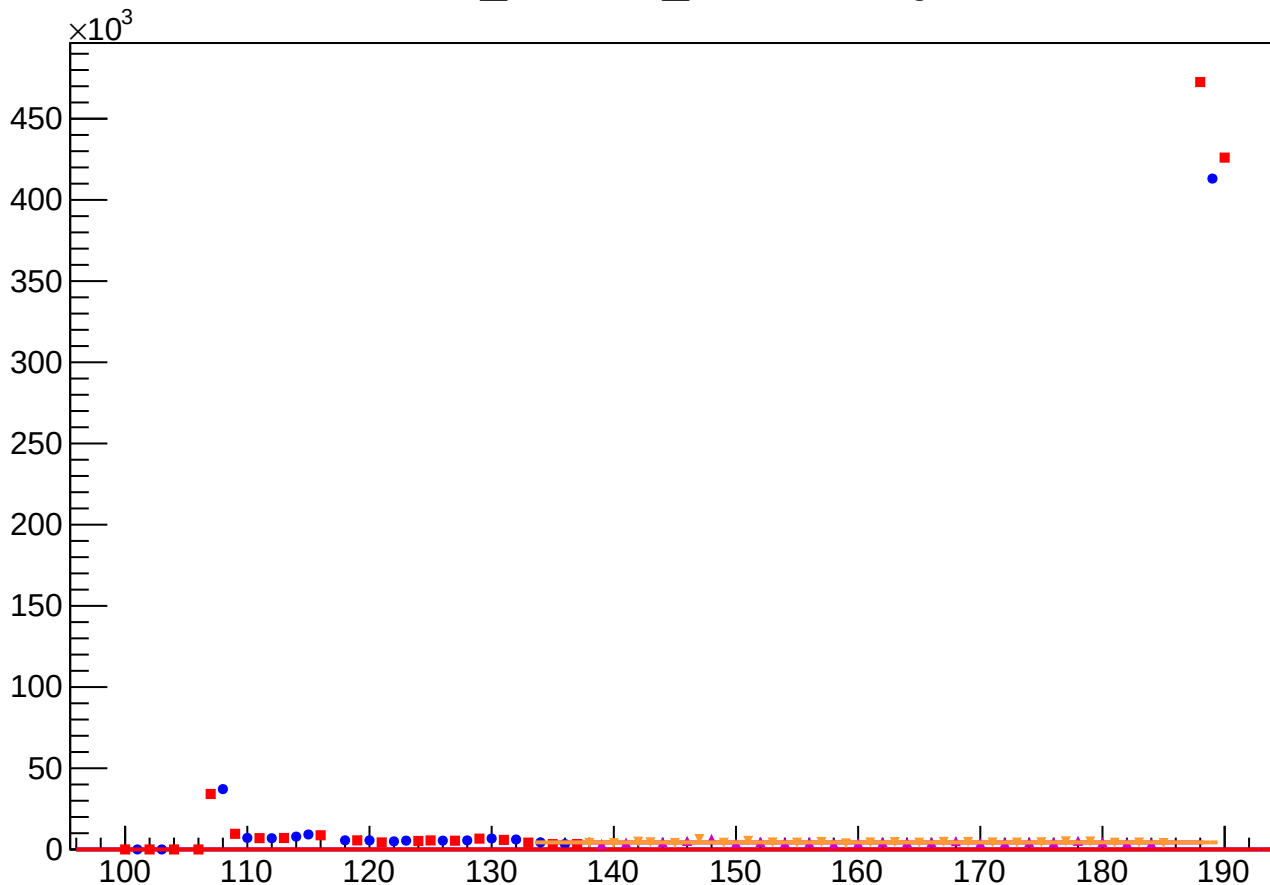
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF:35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.5/43

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 95.2/88

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 58.6/44

diff_cav4bY_rms vs Slug



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 : 13209922.7/20

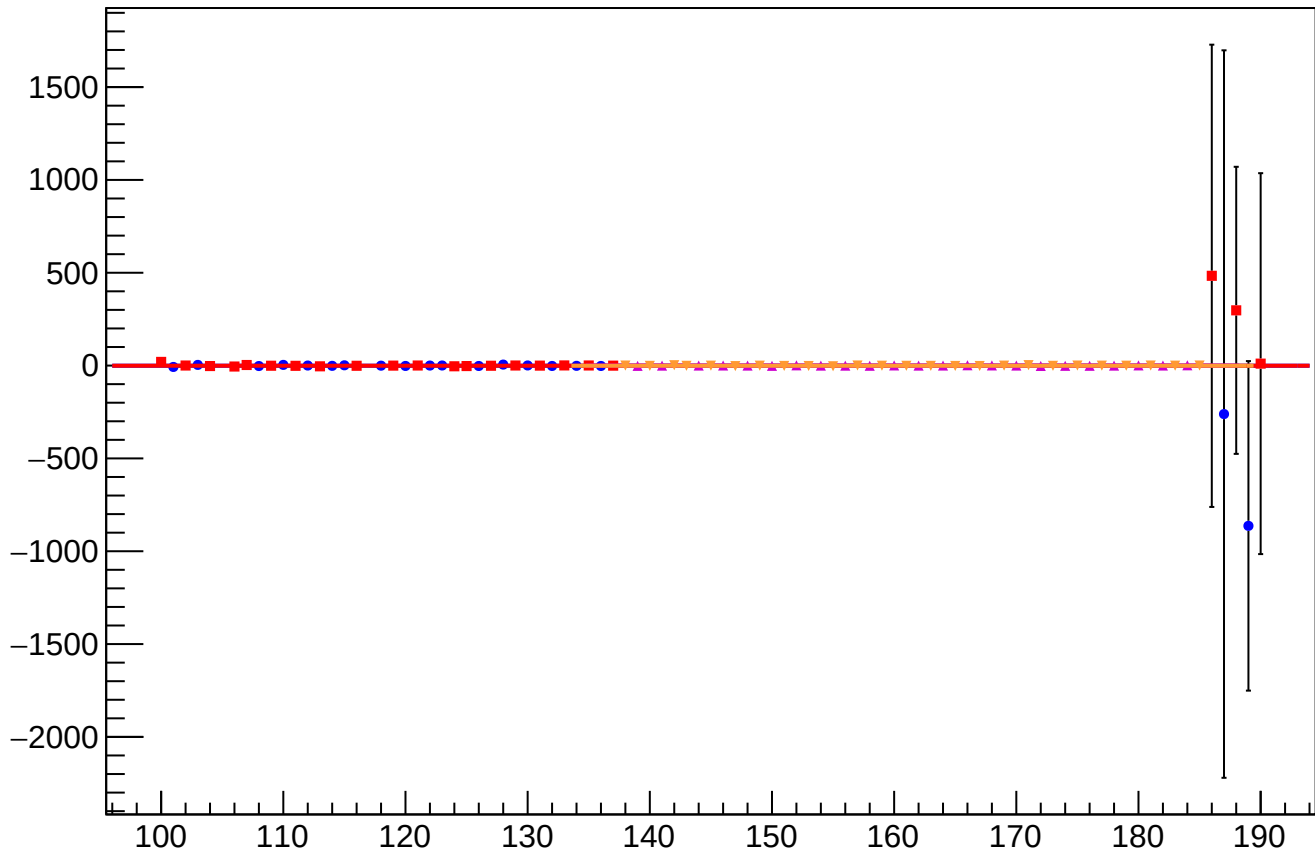
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.290 ± 0.007 χ^2/NDF : 48062471.2/42

All: 10.216 ± 0.004 χ^2/NDF : 95870303.2/86

- sign 10.150 ± 0.006 χ^2/NDF : 47807585.9/43

diff_cav4cX_mean vs Slug



Right In: -0.702 ± 0.485 χ^2/NDF : 23.5/18

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.760 ± 0.502 χ^2/NDF : 12.1/21

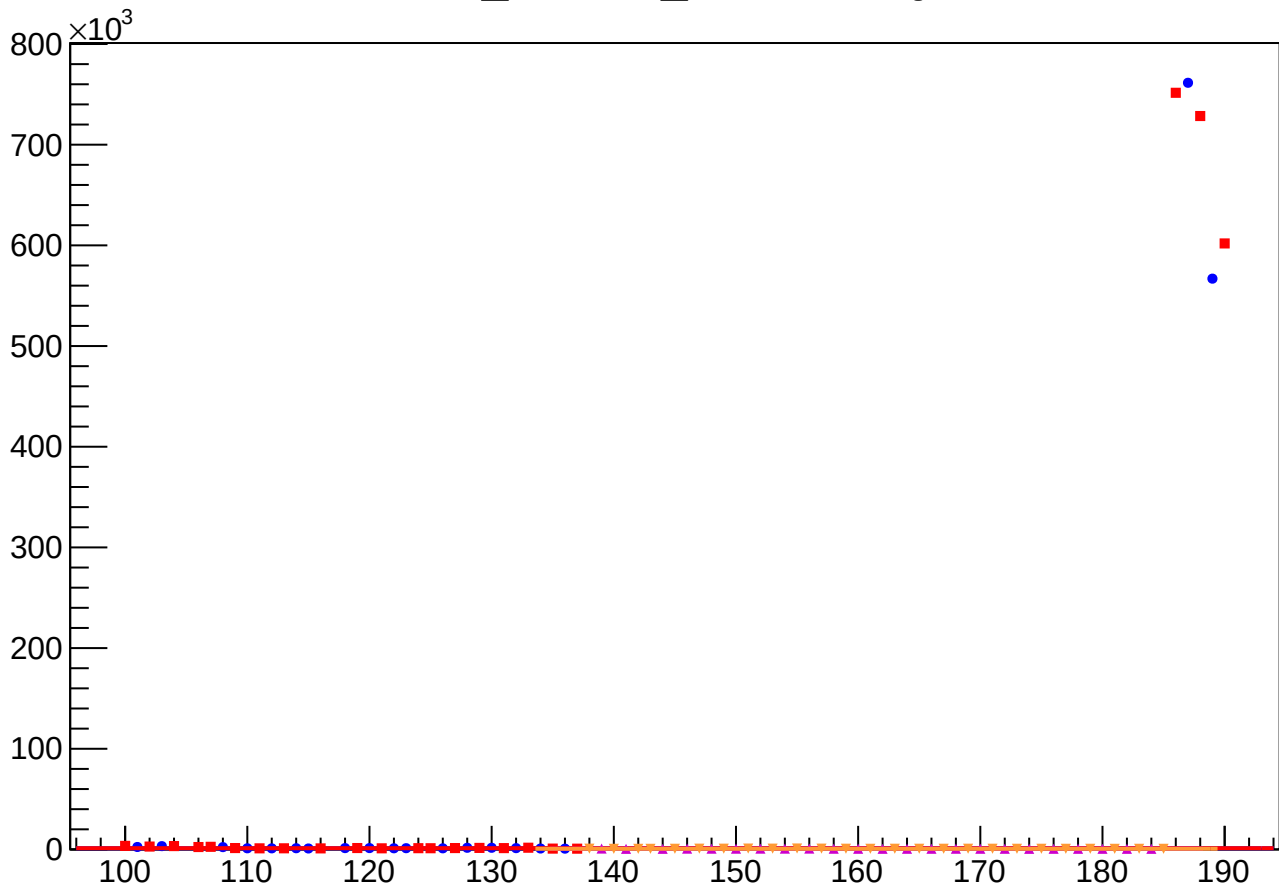
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 81.8/43

All: -0.443 ± 0.112 χ^2/NDF : 134.0/88

- sign -0.097 ± 0.161 χ^2/NDF : 43.2/44

diff_cav4cX_rms vs Slug



Right In: 1164.427+/-0.343 χ^2/NDF : 2700131.6/18

Left Out: 700.797+/-0.116 χ^2/NDF : 392521.4/24

Right Out: 1249.840+/-0.355 χ^2/NDF : 4798173.7/21

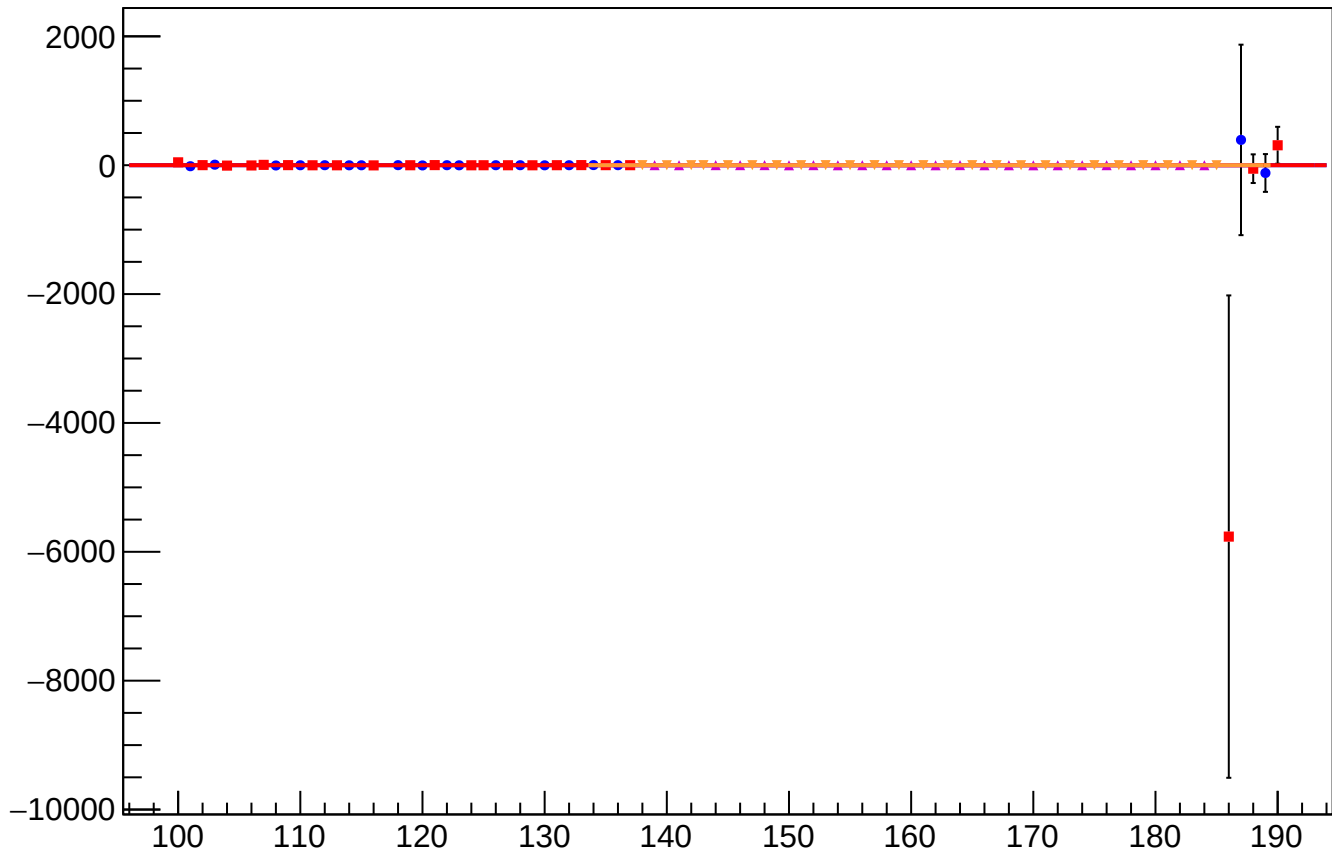
Left In: 706.950+/-0.120 χ^2/NDF : 338177.1/22

+ sign 748.524+/-0.110 χ^2/NDF : 4732057.0/43

All: 755.441+/-0.079 χ^2/NDF : 11974019.3/80

- sign 762.857+/-0.114 χ^2/NDF : 7233774.2/44

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.271 χ^2/NDF : 21.2/18

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 24.3/21

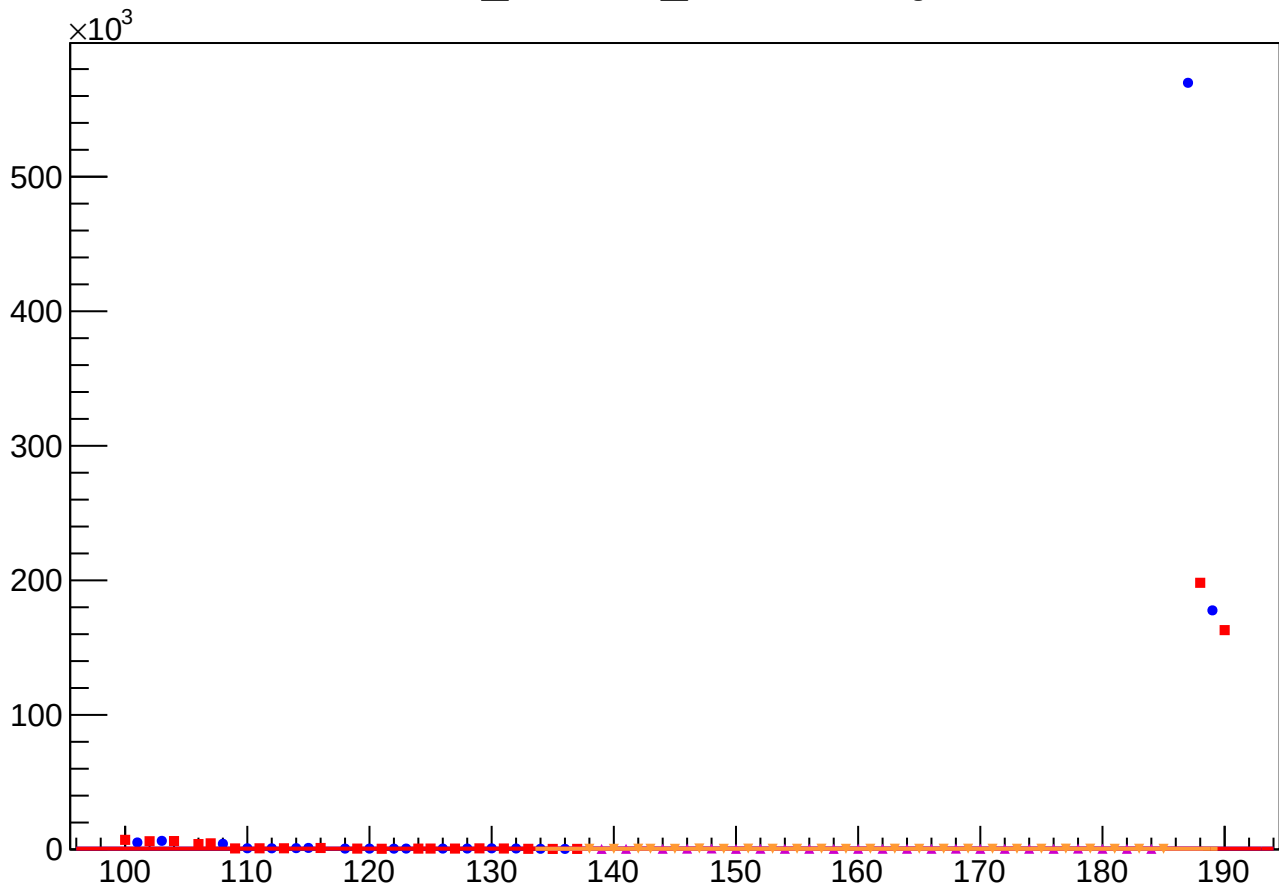
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 ± 0.112 χ^2/NDF : 39.7/43

All: 0.163 ± 0.080 χ^2/NDF : 99.3/88

- sign 0.139 ± 0.113 χ^2/NDF : 59.5/44

diff_cav4cY_rms vs Slug



Right In: 608.759 $\pm$ 0.191 χ^2 /NDF: 4163317.3/18

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 600.134 $\pm$ 0.187 χ^2 /NDF: 5768616.0/20

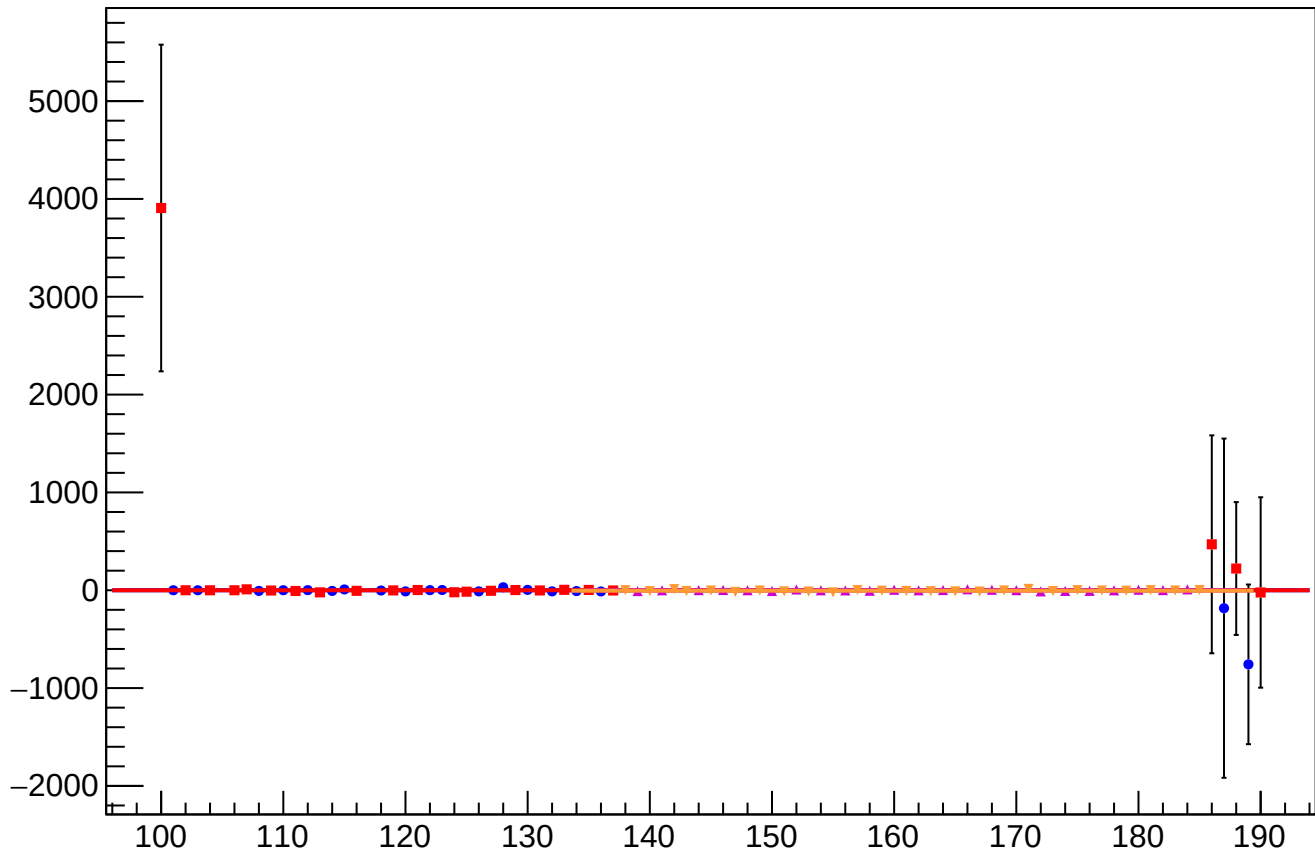
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.101 $\pm$ 0.079 χ^2 /NDF: 4663925.6/43

All: 535.880 $\pm$ 0.056 χ^2 /NDF: 11027637.7/87

- sign 534.619 $\pm$ 0.080 χ^2 /NDF: 6363225.1/43

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 16.5/18

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.1/21

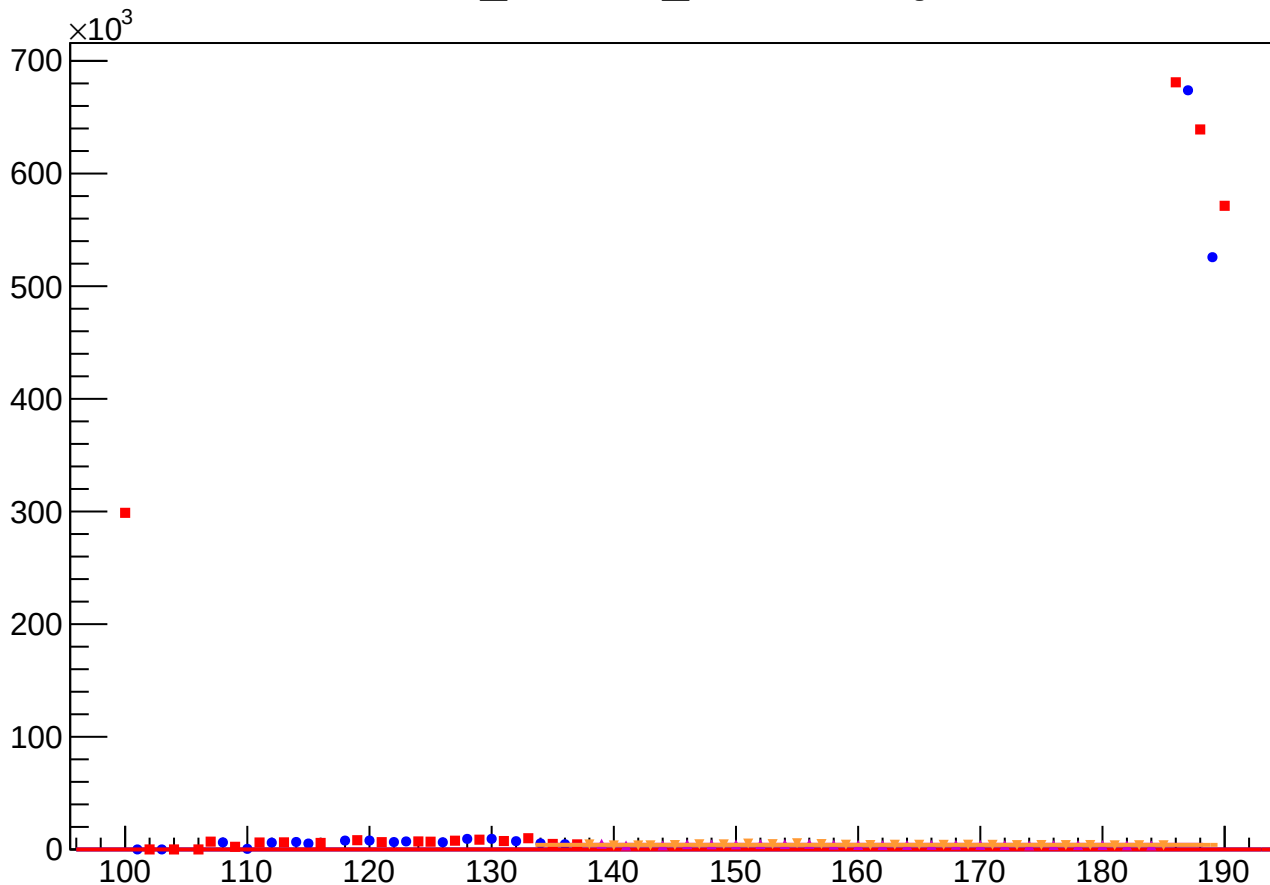
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 96.4/43

All: -0.025 ± 0.014 χ^2/NDF : 142.8/88

- sign -0.027 ± 0.020 χ^2/NDF : 46.4/44

diff_cav4dX_rms vs Slug



Right In: 17.336 ± 0.015 $\chi^2/\text{NDF}: 11447676.3/18$

Left Out: 4074.257 ± 0.676 $\chi^2/\text{NDF}: 416916.0/24$

Right Out: 17.268 ± 0.014 $\chi^2/\text{NDF}: 13967969.1/21$

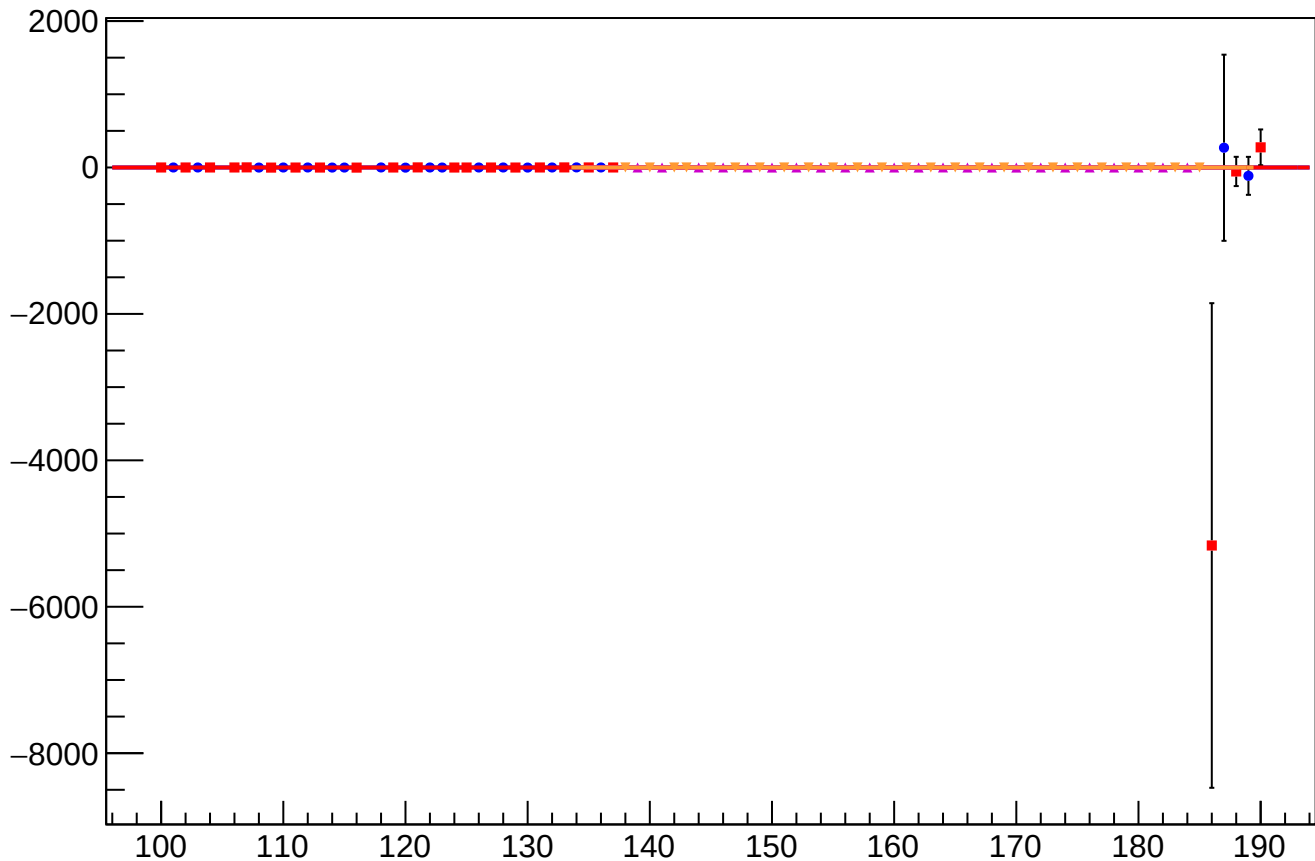
Left In: 4113.744 ± 0.700 $\chi^2/\text{NDF}: 354965.8/22$

+ sign 19.256 ± 0.015 $\chi^2/\text{NDF}: 47897820.4/43$

All: 19.070 ± 0.010 $\chi^2/\text{NDF}: 96437909.7/88$

- sign 18.901 ± 0.014 $\chi^2/\text{NDF}: 48539783.6/44$

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.6/18

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF: 16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 21.8/21

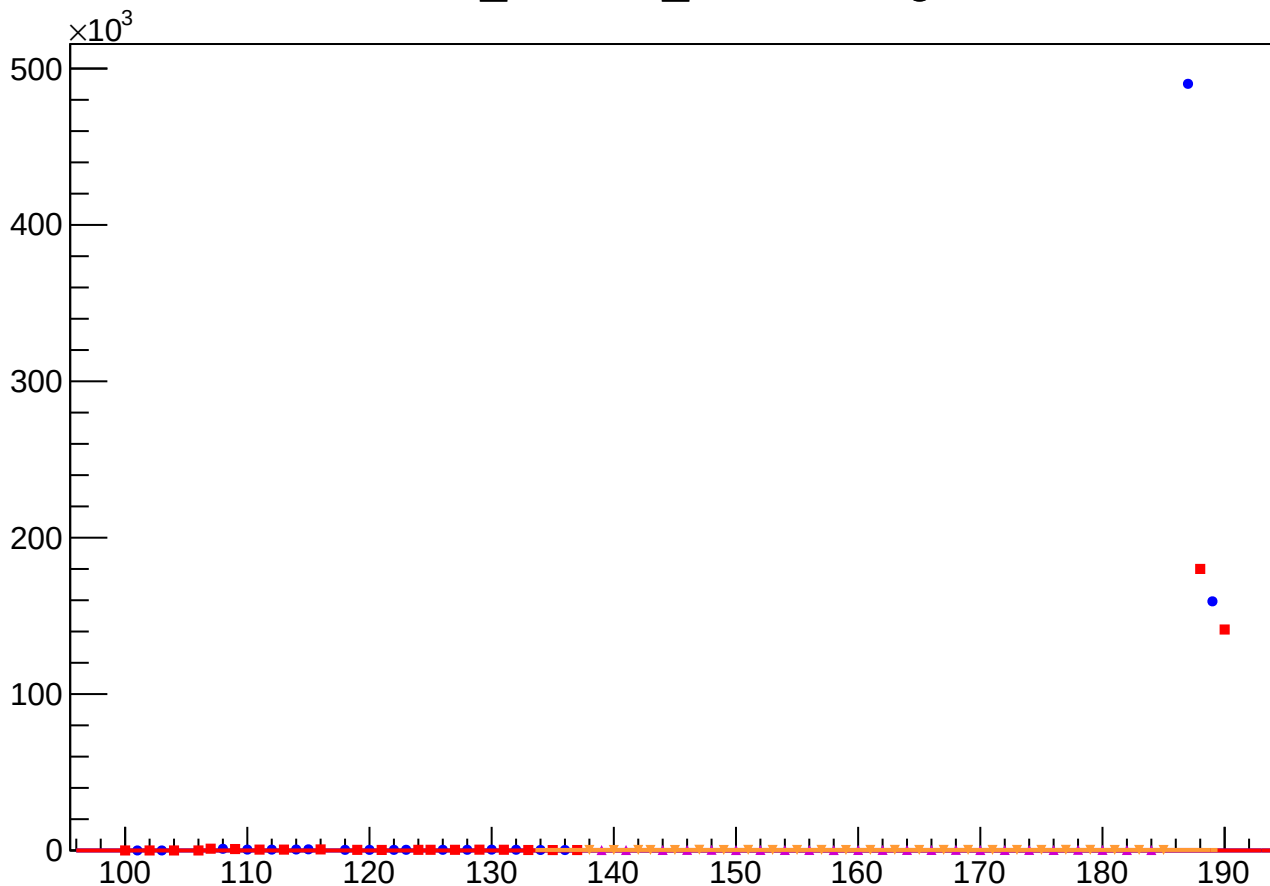
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF: 34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 36.2/43

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 93.8/88

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 57.5/44

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 11916633.7/18

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 12982687.2/20

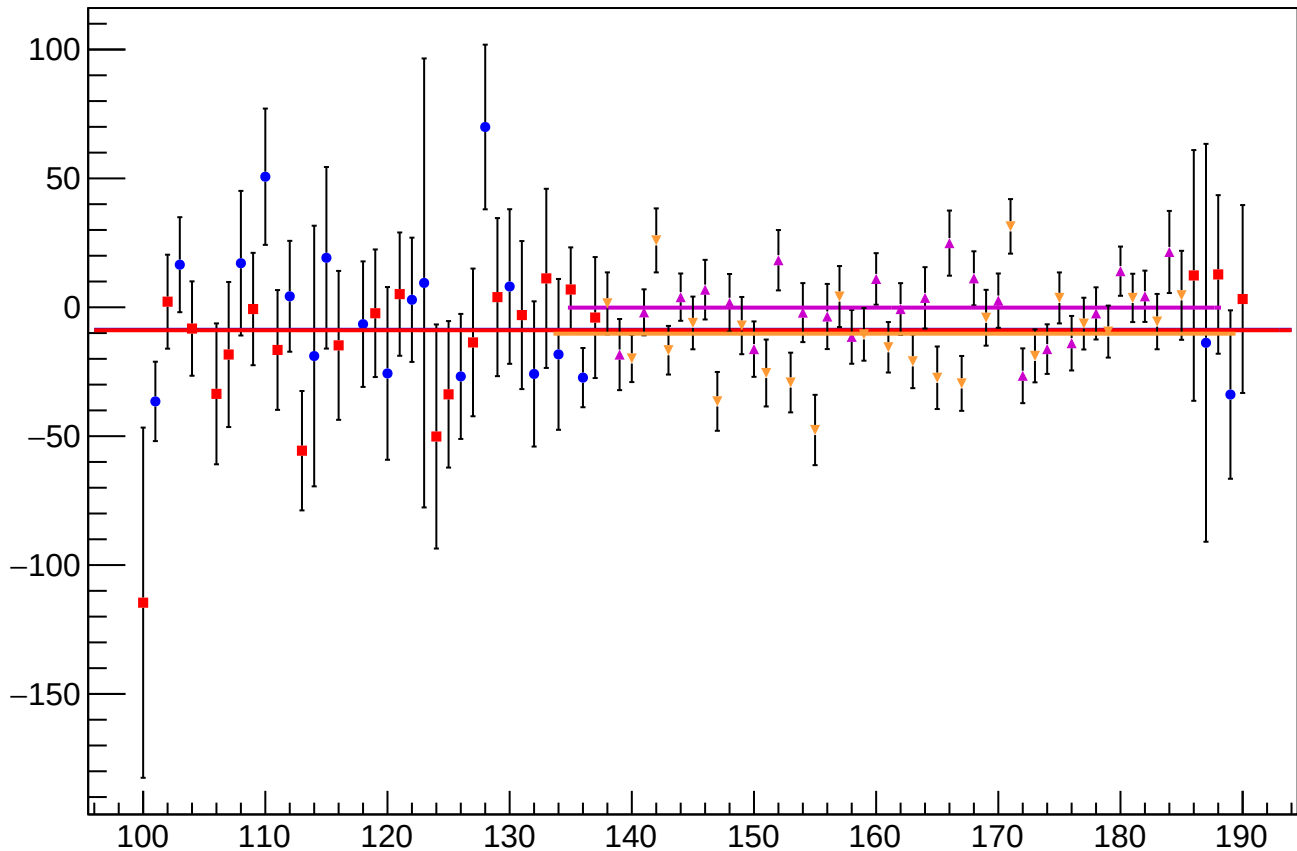
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 48229008.8/43

All: 1.926 $\pm$ 0.001 χ^2 /NDF: 95610770.6/87

- sign 1.926 $\pm$ 0.001 χ^2 /NDF: 47381761.8/43

diff_bpm4aX_mean vs Slug



Right In: -8.728 ± 5.542 χ^2/NDF : 23.2/18

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -8.905 ± 5.497 χ^2/NDF : 12.5/21

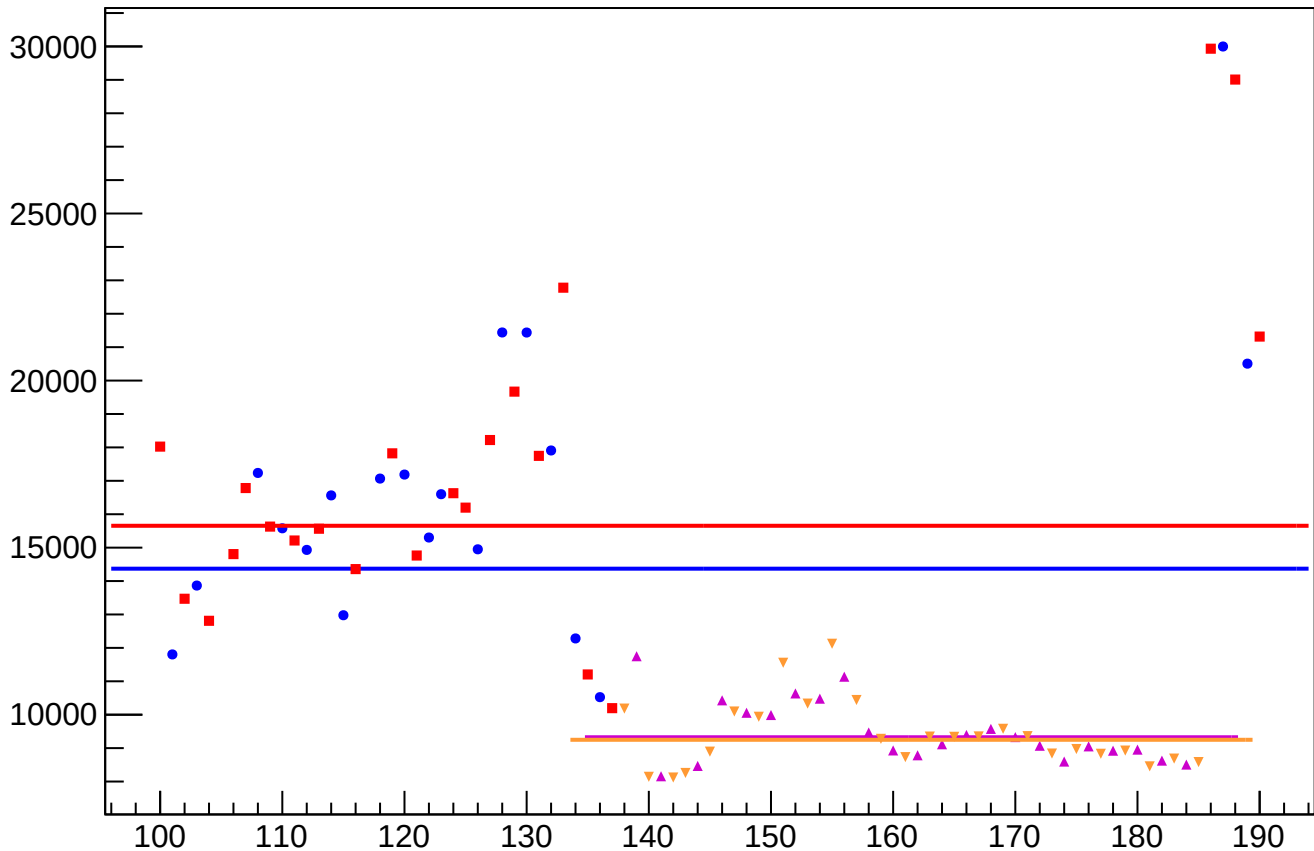
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.035 ± 2.018 χ^2/NDF : 81.3/43

All: -5.831 ± 1.447 χ^2/NDF : 134.7/88

- sign -1.382 ± 2.076 χ^2/NDF : 44.5/44

diff_bpm4aX_rms vs Slug



Right In: 14370.340+/-3.919 χ^2/NDF : 761880.3/18

Left Out: 9249.358+/-1.532 χ^2/NDF :332003.4/24

+ sign 9928.249+/-1.427 χ^2/NDF : 2575065.2/43

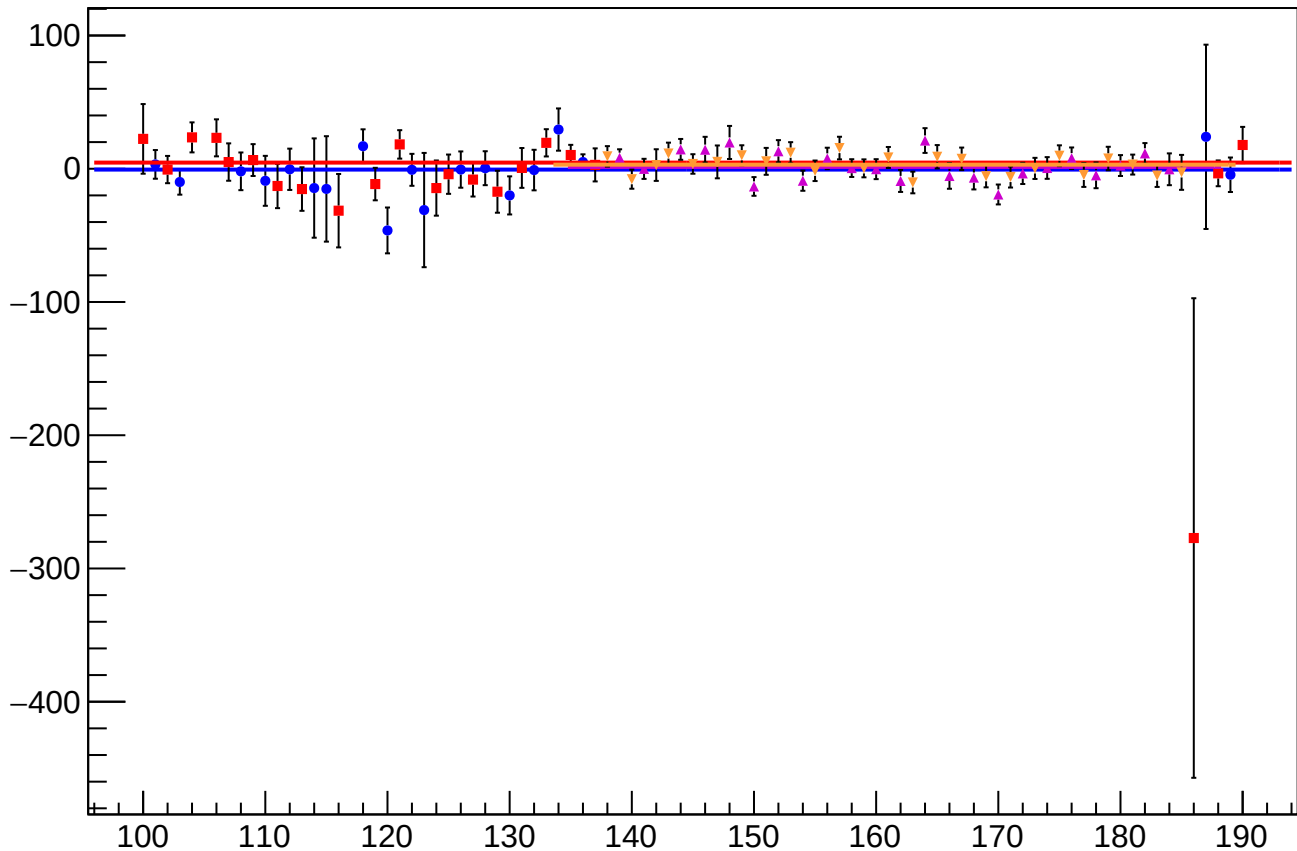
Right Out: 15654.493+/-3.887 χ^2/NDF : 1108269.7/21

All: 10073.846+/-1.023 χ^2/NDF : 6258994.9/8

- sign 10227.965+/-1.468 χ^2/NDF : 3662496.6/44

Left In: 9325.112+/-1.585 χ^2/NDF :280927.7/22

diff_bpm4aY_mean vs Slug



Right In: -0.628 ± 3.002 χ^2/NDF : 17.7/18

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 4.615 ± 2.759 χ^2/NDF : 24.0/21

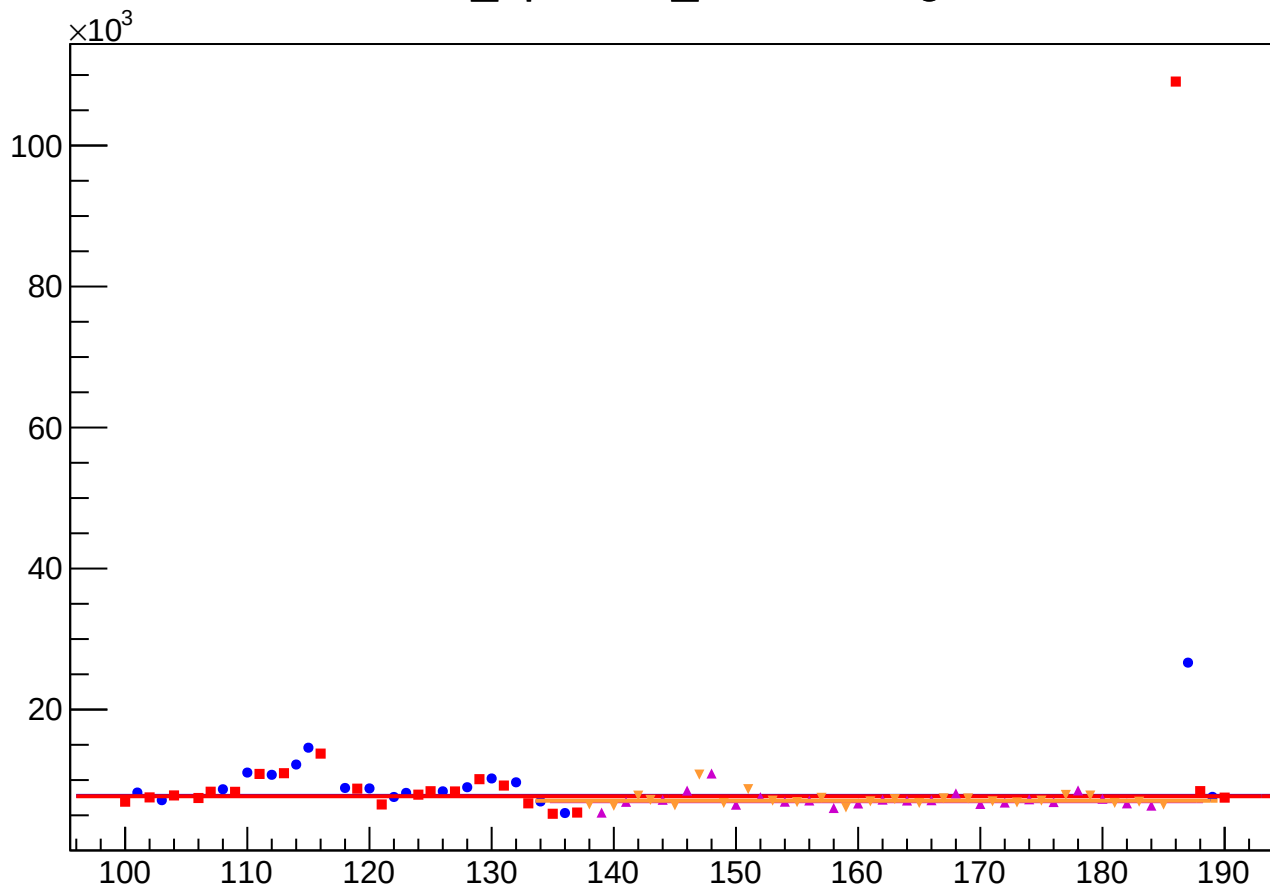
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.199 ± 1.452 χ^2/NDF : 37.1/43

All: 2.237 ± 1.024 χ^2/NDF : 97.5/88

- sign 2.275 ± 1.443 χ^2/NDF : 60.4/44

diff_bpm4aY_rms vs Slug



Right In: 7756.485 ± 2.123 χ^2/NDF : 892353.9/18

Left Out: 7066.826 ± 1.173 χ^2/NDF : 387449.8/24

Right Out: 7705.085 ± 1.951 χ^2/NDF : 1327043.9/21

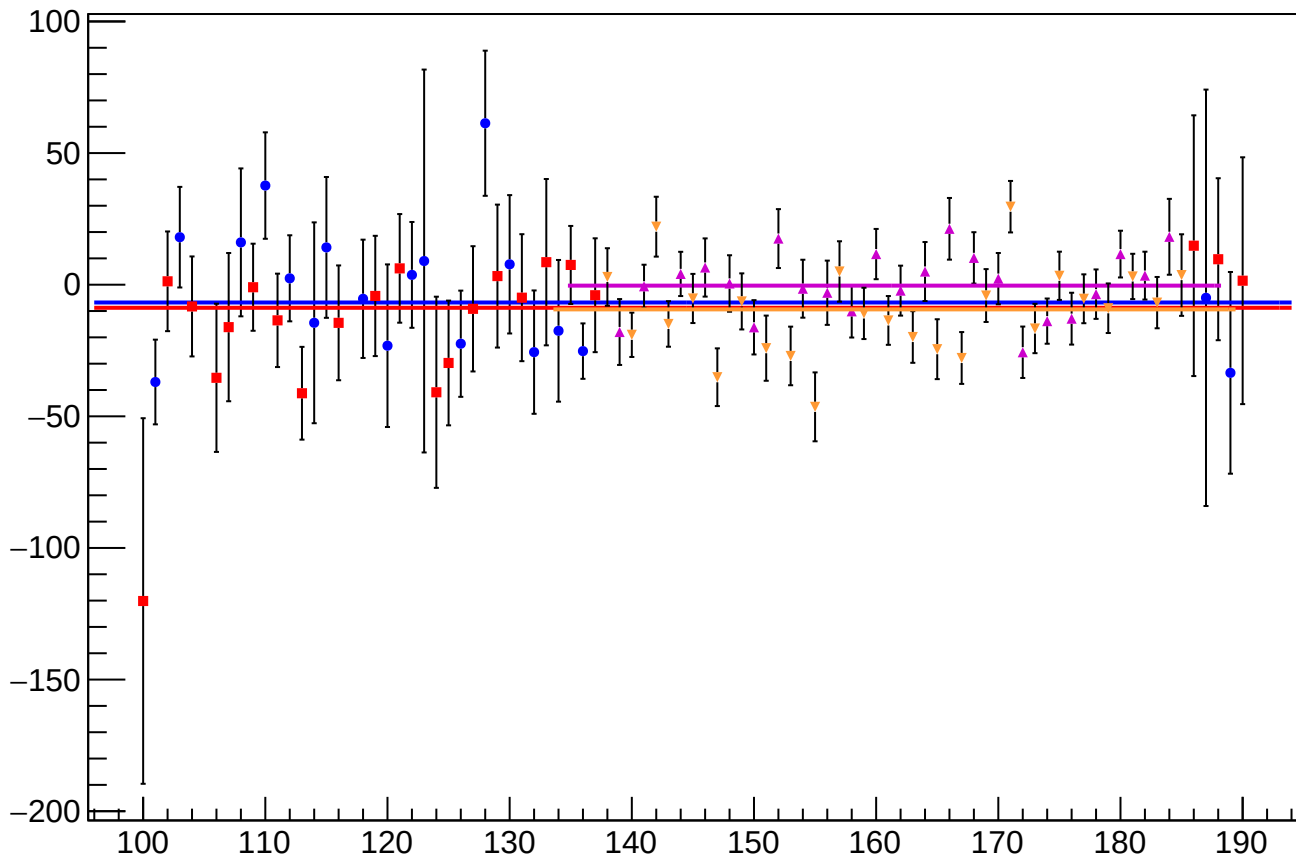
Left In: 7000.532 ± 1.197 χ^2/NDF : 550029.3/22

+ sign 7228.141 ± 1.027 χ^2/NDF : 1360663.4/43

All: 7210.597 ± 0.724 χ^2/NDF : 3333047.6/86

- sign 7193.265 ± 1.020 χ^2/NDF : 1971803.8/44

diff_bpm4eX_mean vs Slug



Right In: -6.759 ± 4.992 χ^2/NDF : 23.7/18

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -8.765 ± 4.896 χ^2/NDF : 12.1/21

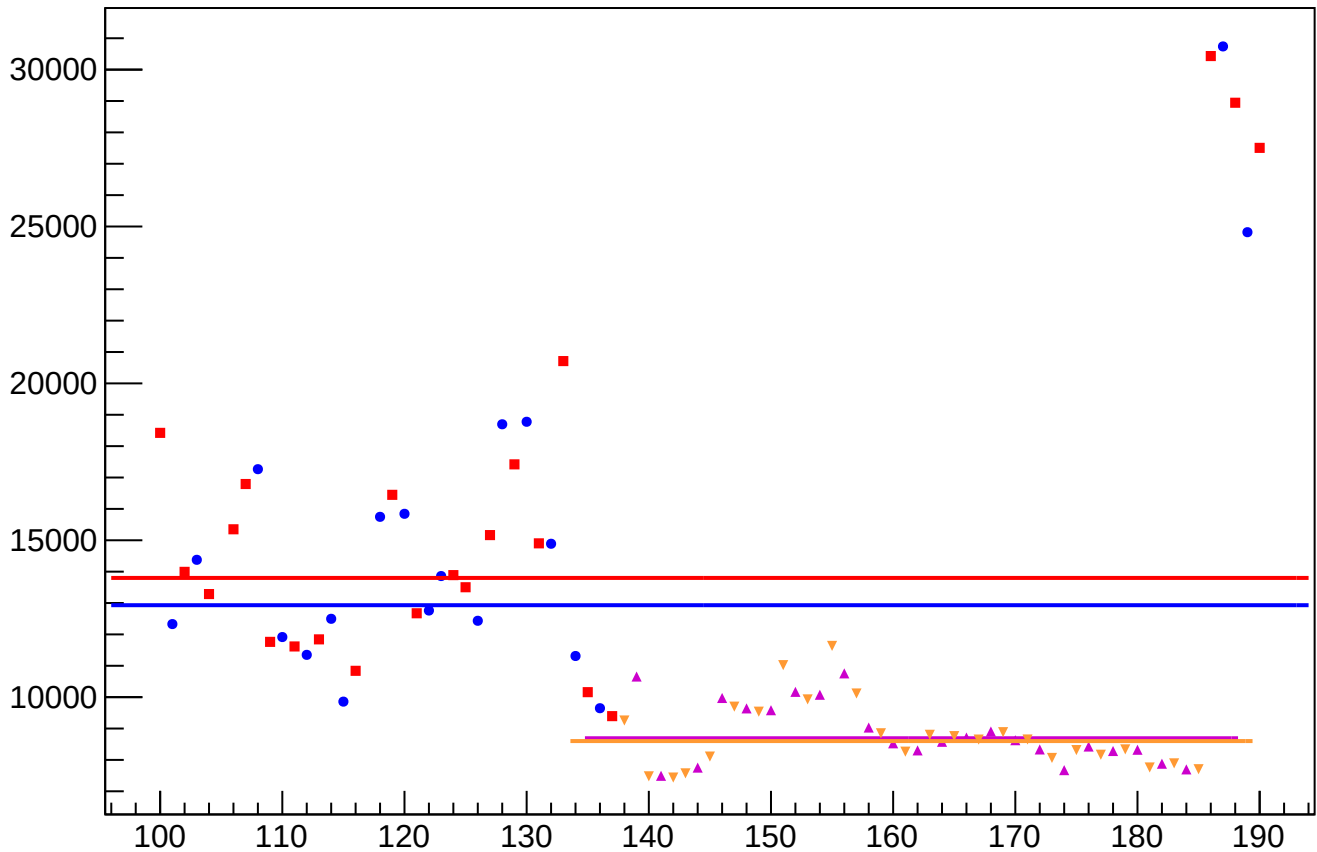
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.009 ± 1.871 χ^2/NDF : 82.3/43

All: -5.434 ± 1.341 χ^2/NDF : 134.1/88

- sign -1.652 ± 1.924 χ^2/NDF : 44.3/44

diff_bpm4eX_rms vs Slug



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

+ sign 9208.556 $\pm$ 1.323 χ^2 /NDF: 2591185.5/43

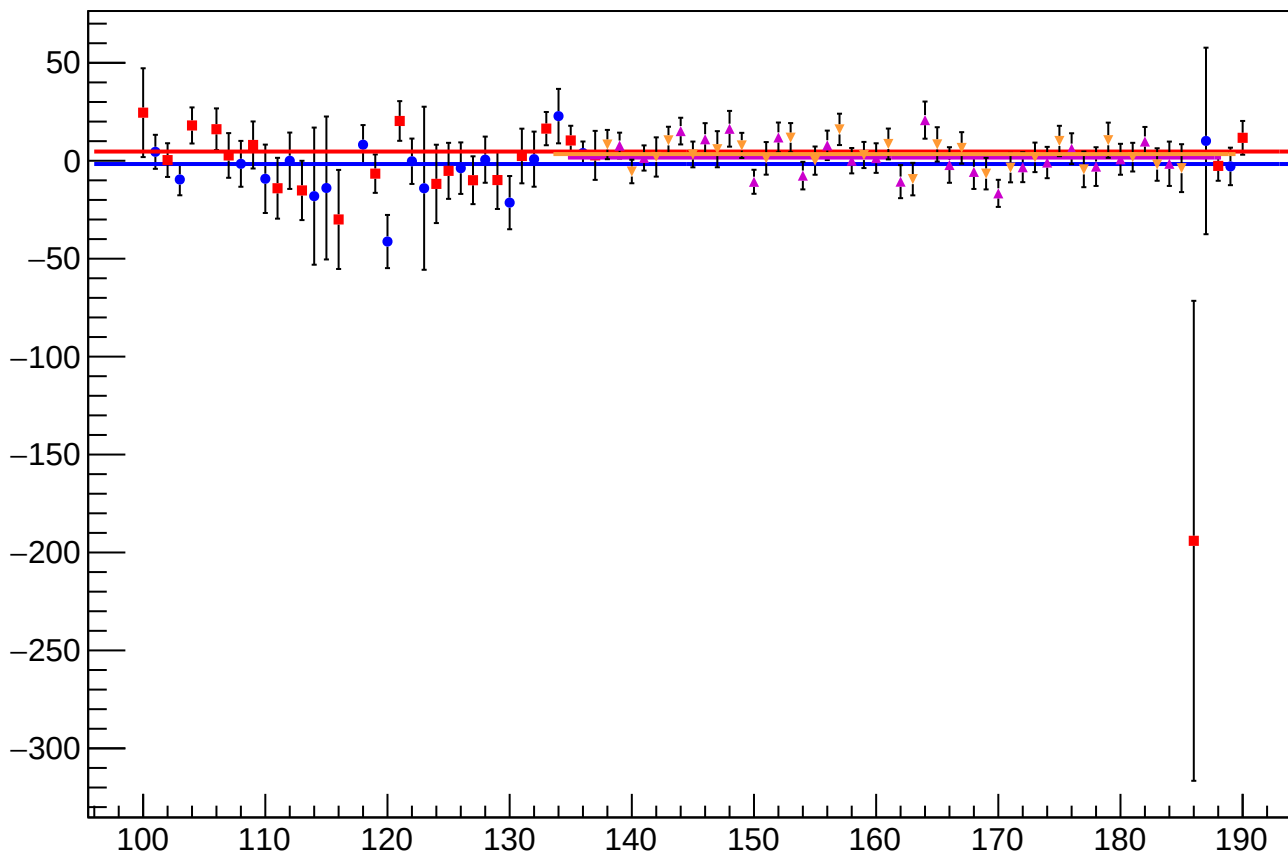
Right Out: 13799.940 $\pm$ 3.462 χ^2 /NDF: 1421455.4/21

All: 9340.056 $\pm$ 0.948 χ^2 /NDF: 6245659.2/80

- sign 9479.143 $\pm$ 1.360 χ^2 /NDF: 3634138.8/44

Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF:370834.1/22

diff_bpm4eY_mean vs Slug



Right In: -1.668 ± 2.693 χ^2/NDF : 17.8/18

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 4.703 ± 2.400 χ^2/NDF : 23.4/21

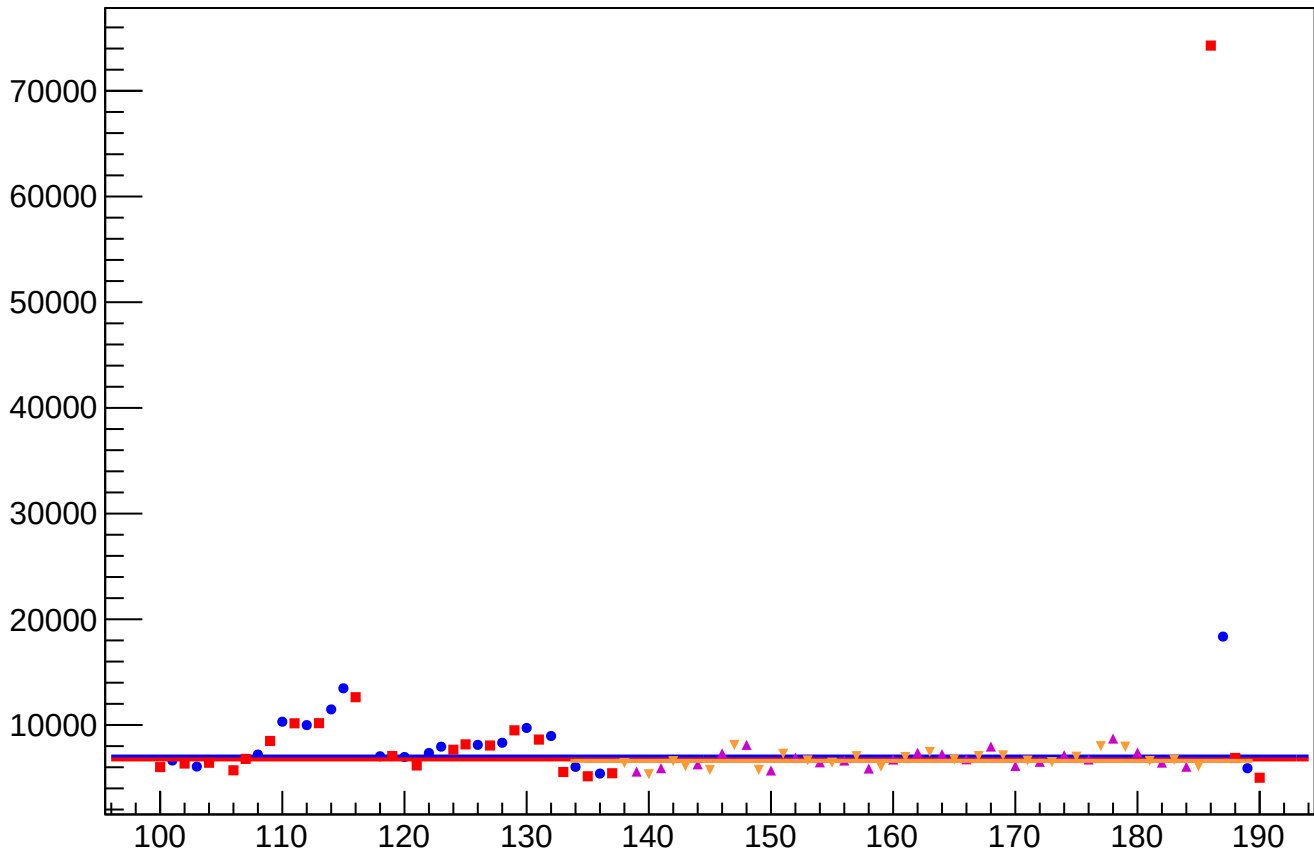
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.142 ± 1.344 χ^2/NDF : 37.4/43

All: 2.360 ± 0.946 χ^2/NDF : 95.4/88

- sign 2.573 ± 1.331 χ^2/NDF : 58.0/44

diff_bpm4eY_rms vs Slug



Right In: 7013.763 $\pm$ 1.904 χ^2 /NDF: 742918.1/18

Left Out: 6607.100 $\pm$ 1.096 χ^2 /NDF: 398416.1/24

Right Out: 6741.059 $\pm$ 1.697 χ^2 /NDF: 1379510.7/21

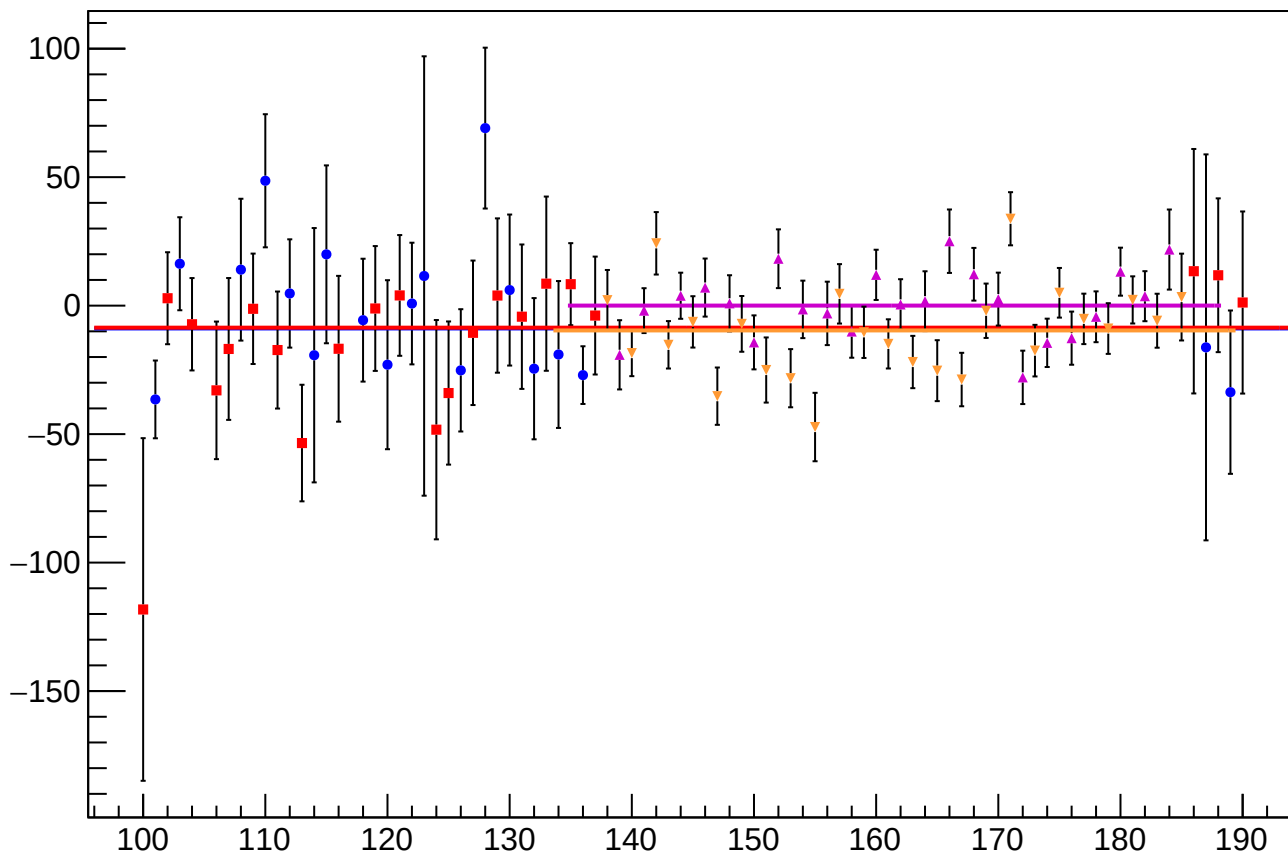
Left In: 6628.653 $\pm$ 1.131 χ^2 /NDF: 430282.2/22

+ sign 6708.356 $\pm$ 0.950 χ^2 /NDF: 1175593.6/43

All: 6685.568 $\pm$ 0.669 χ^2 /NDF: 2989564.5/80

- sign 6663.214 $\pm$ 0.941 χ^2 /NDF: 1812831.3/44

diff_bpm4acX_mean vs Slug



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: -8.573 $\pm$ 5.387 χ^2 /NDF: 12.8/21

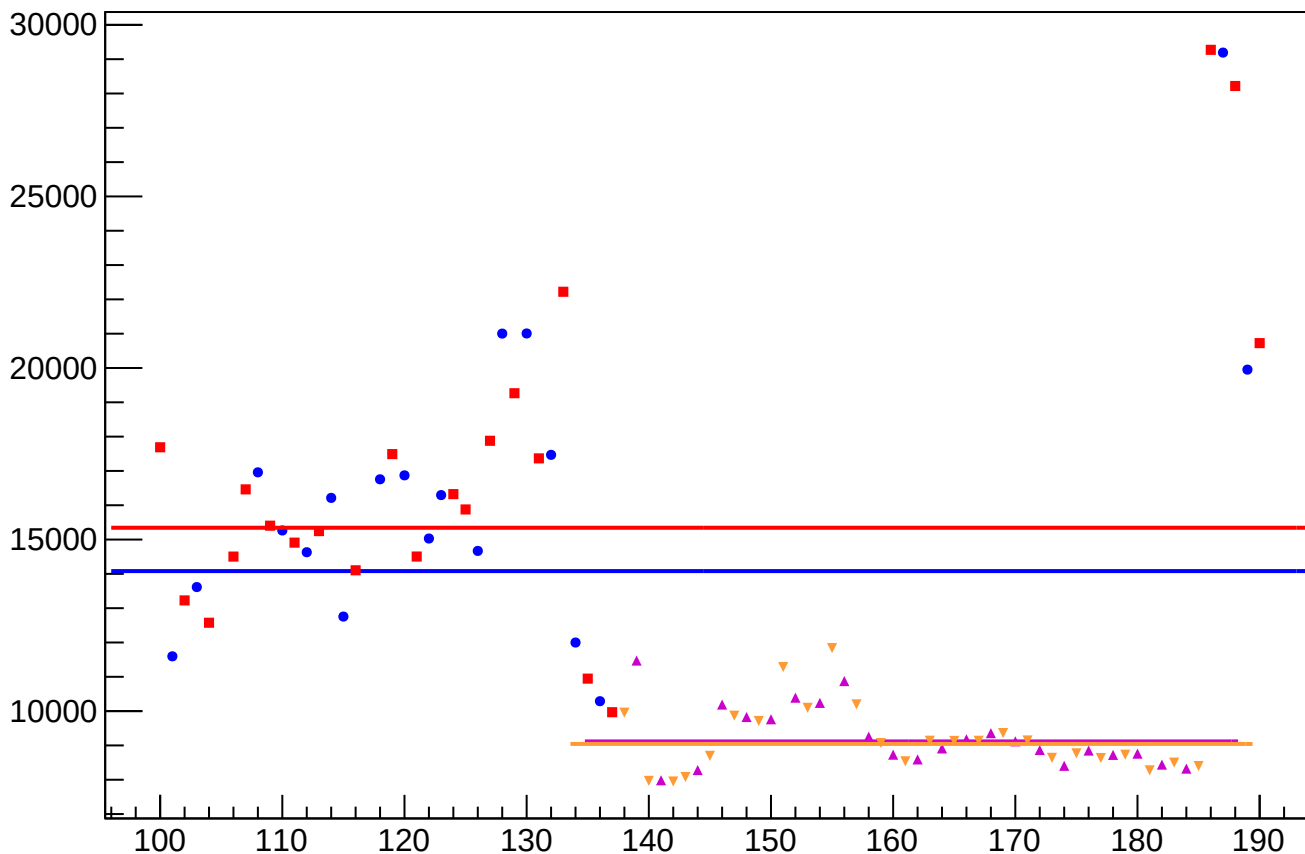
Left In: 0.019 $\pm$ 2.192 χ^2 /NDF: 30.6/22

+ sign -9.546 $\pm$ 1.973 χ^2 /NDF: 82.9/43

All: -5.492 $\pm$ 1.415 χ^2 /NDF: 137.2/88

- sign -1.201 $\pm$ 2.030 χ^2 /NDF: 45.6/44

diff_bpm4acX_rms vs Slug



Right In: 14081.194+/-3.840 χ^2/NDF : 761592.0/18

Left Out: 9043.485+/-1.498 χ^2/NDF : 328192.2/24

Right Out: 15344.137+/-3.809 χ^2/NDF : 1100126.8/21

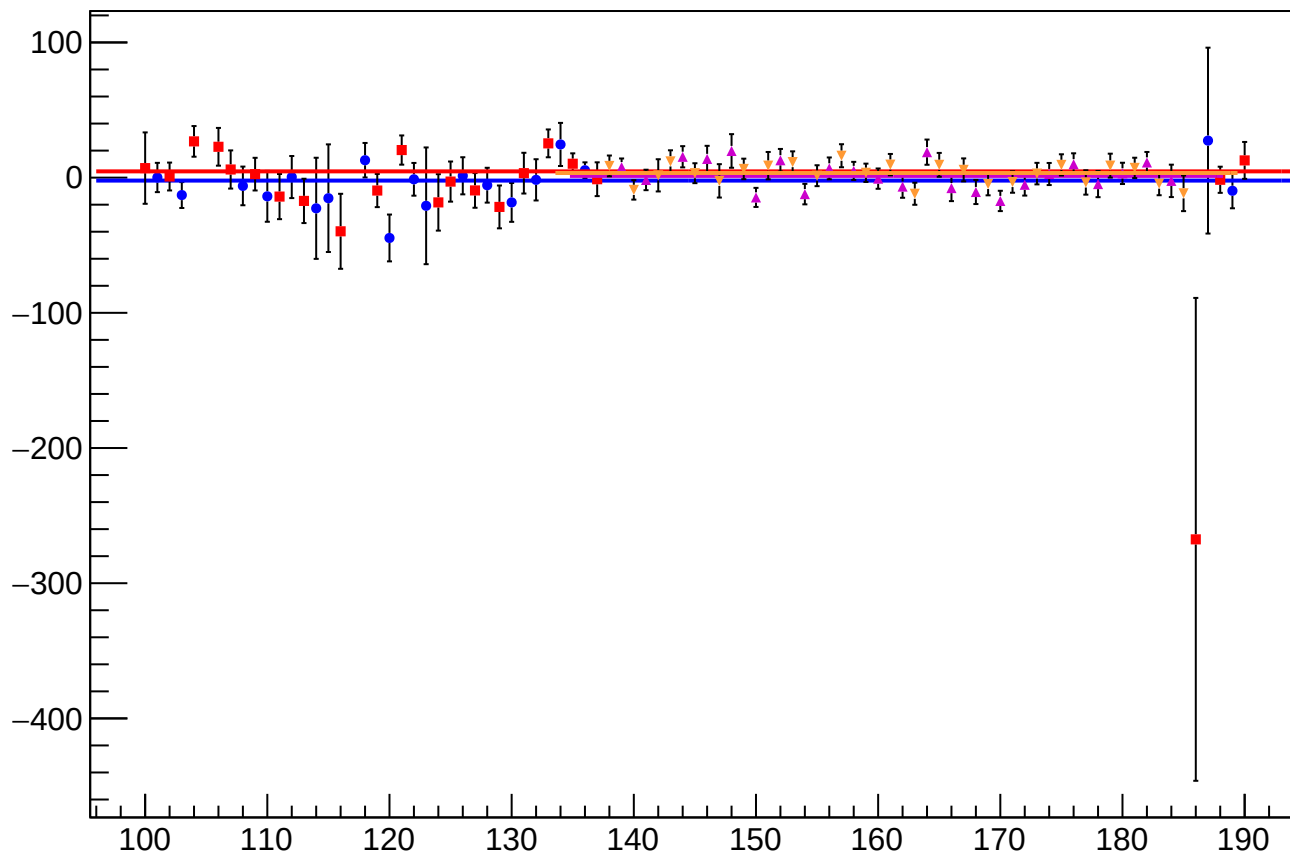
Left In: 9116.921+/-1.550 χ^2/NDF : 277594.8/22

+ sign 9708.719+/-1.395 χ^2/NDF : 2583579.4/43

All: 9850.995+/-1.001 χ^2/NDF : 6275826.3/88

- sign 10001.594+/-1.436 χ^2/NDF : 3670847.3/44

diff_bpm4acY_mean vs Slug



Right In: -2.181 ± 3.023 χ^2/NDF : 16.2/18

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 4.643 ± 2.778 χ^2/NDF : 28.1/21

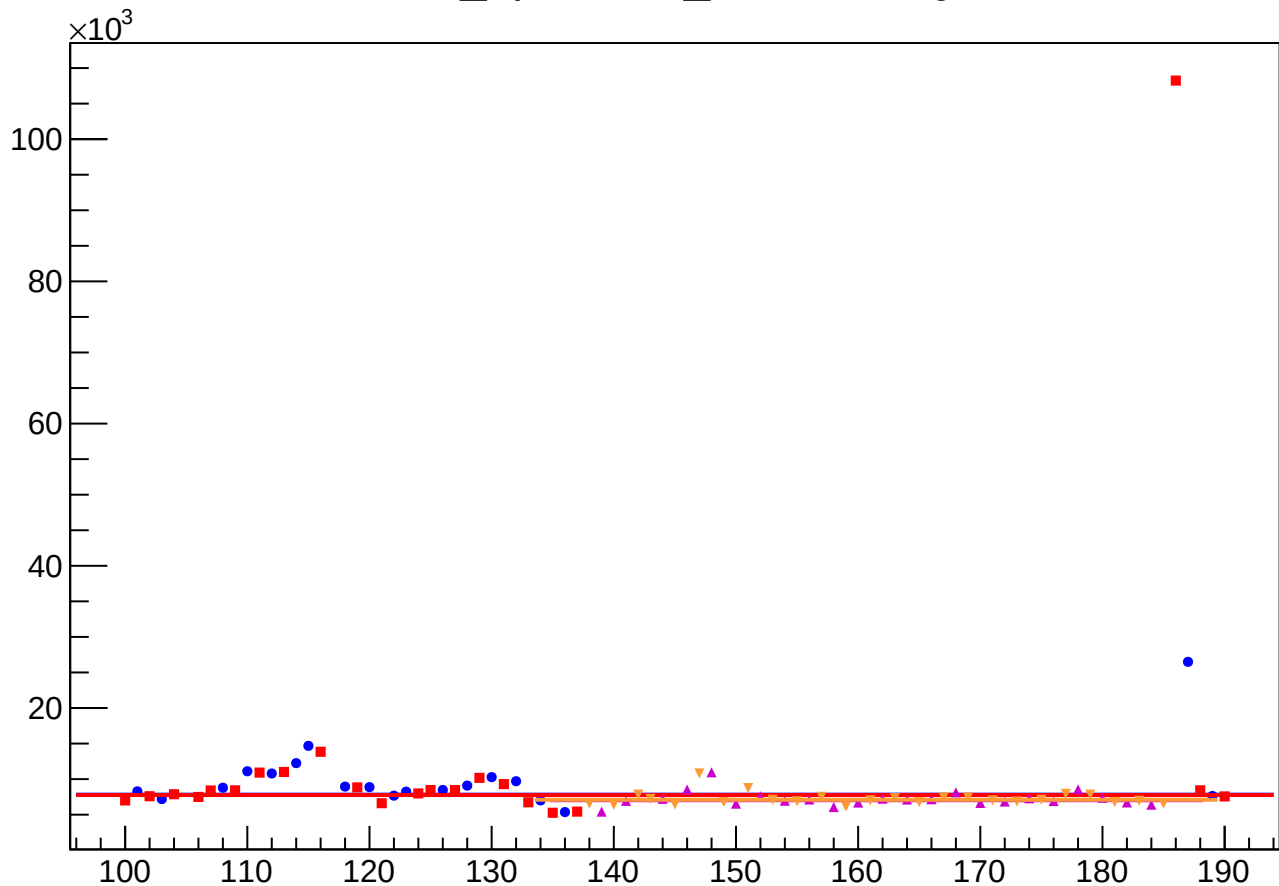
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.130 ± 1.459 χ^2/NDF : 37.8/43

All: 2.168 ± 1.029 χ^2/NDF : 103.5/88

- sign 2.205 ± 1.451 χ^2/NDF : 65.7/44

diff_bpm4acY_rms vs Slug



Right In: 7813.086 ± 2.138 $\chi^2/\text{NDF}: 886370.3/18$

Left Out: 7098.726 ± 1.178 $\chi^2/\text{NDF}: 382550.4/24$

Right Out: 7762.162 ± 1.964 $\chi^2/\text{NDF}: 1317150.3/21$

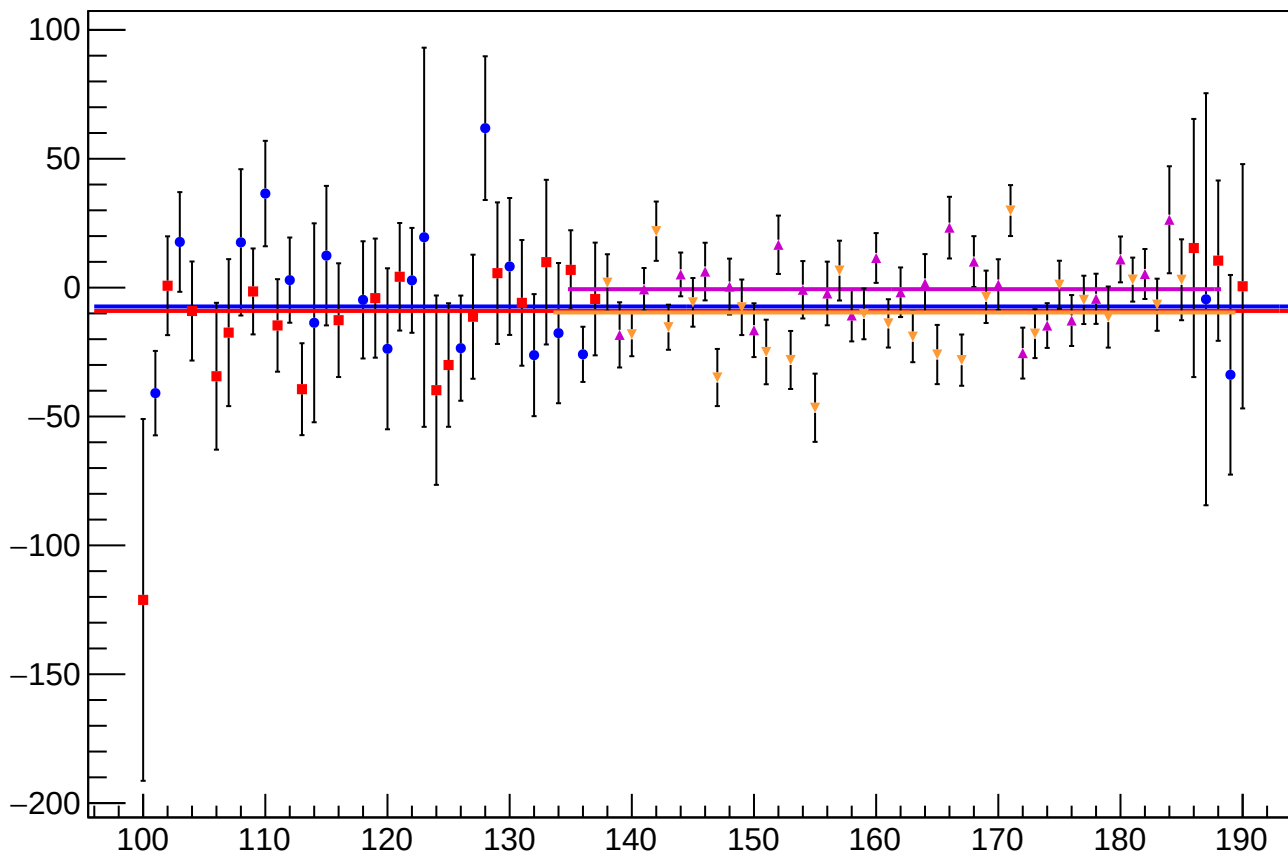
Left In: 7033.702 ± 1.203 $\chi^2/\text{NDF}: 541035.5/22$

+ sign 7265.159 ± 1.032 $\chi^2/\text{NDF}: 1354583.0/43$

All: 7248.642 ± 0.727 $\chi^2/\text{NDF}: 3313301.5/86$

- sign 7232.317 ± 1.026 $\chi^2/\text{NDF}: 1958209.0/44$

diff_bpm4ecX_mean vs Slug



Right In: -7.306 ± 5.059 χ^2/NDF : 24.2/18

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -9.039 ± 4.965 χ^2/NDF : 11.3/21

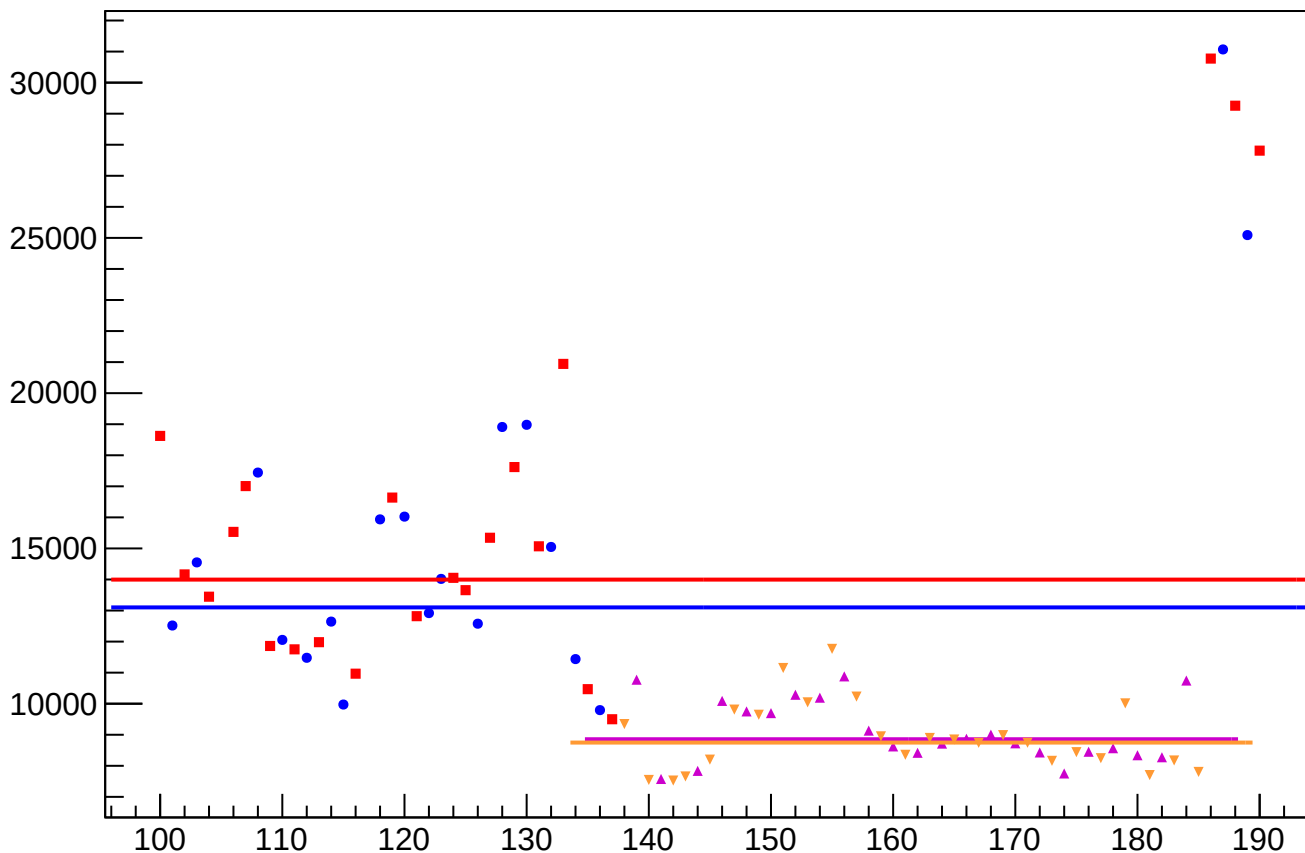
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.309 ± 1.906 χ^2/NDF : 82.1/43

All: -5.719 ± 1.367 χ^2/NDF : 132.8/88

- sign -1.916 ± 1.961 χ^2/NDF : 43.4/44

diff_bpm4ecX_rms vs Slug



Right In: 13101.050+/-3.577 χ^2/NDF : 851859.2/18

Left Out: 8748.407+/-1.455 χ^2/NDF :463394.1/24

Right Out: 13996.173+/-3.511 χ^2/NDF : 1404256.8/21

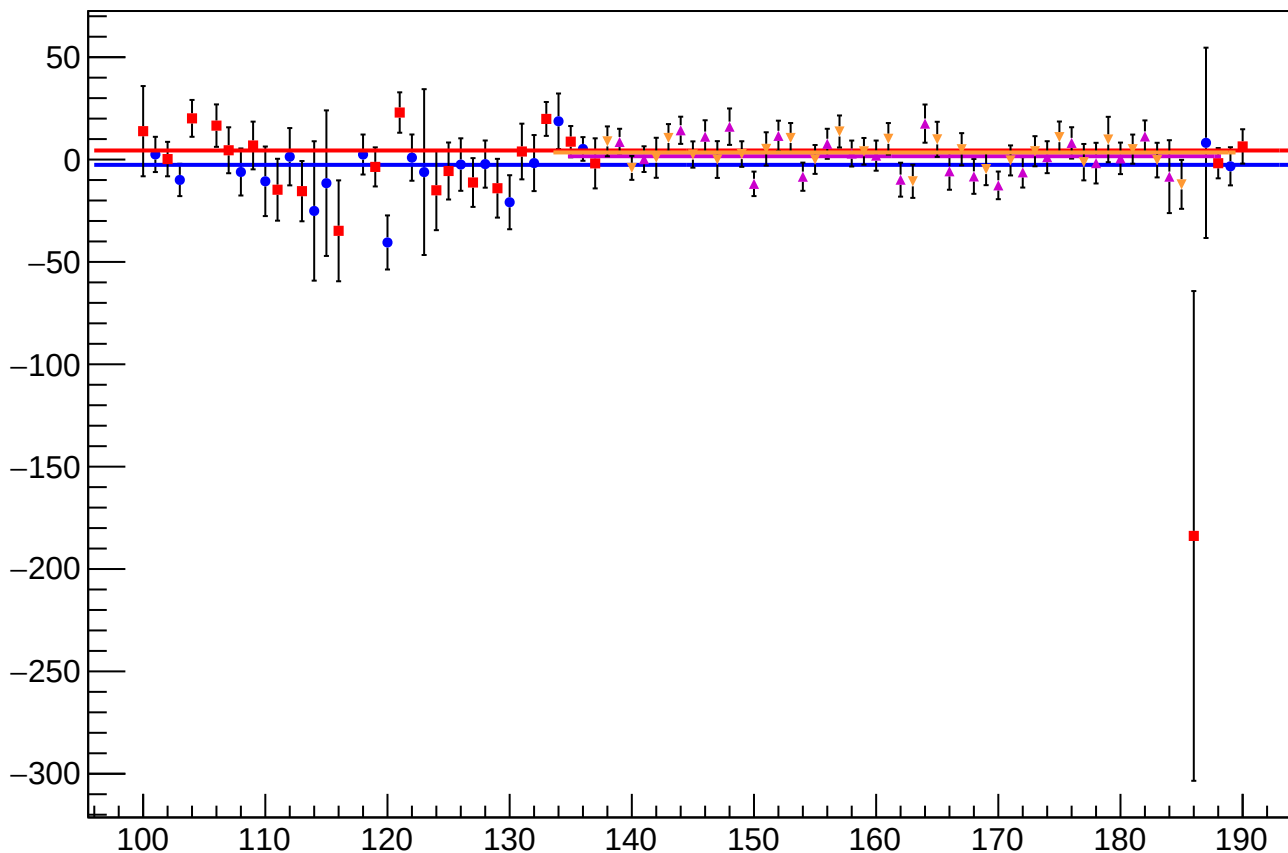
Left In: 8855.591+/-1.510 χ^2/NDF :367542.7/22

+ sign 9366.089+/-1.348 χ^2/NDF : 2585736.5/43

All: 9507.715+/-0.966 χ^2/NDF : 6189485.5/80

- sign 9657.738+/-1.387 χ^2/NDF : 3581002.3/44

diff_bpm4ecY_mean vs Slug



Right In: -2.590 ± 2.635 χ^2/NDF : 17.0/18

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 4.433 ± 2.350 χ^2/NDF : 27.3/21

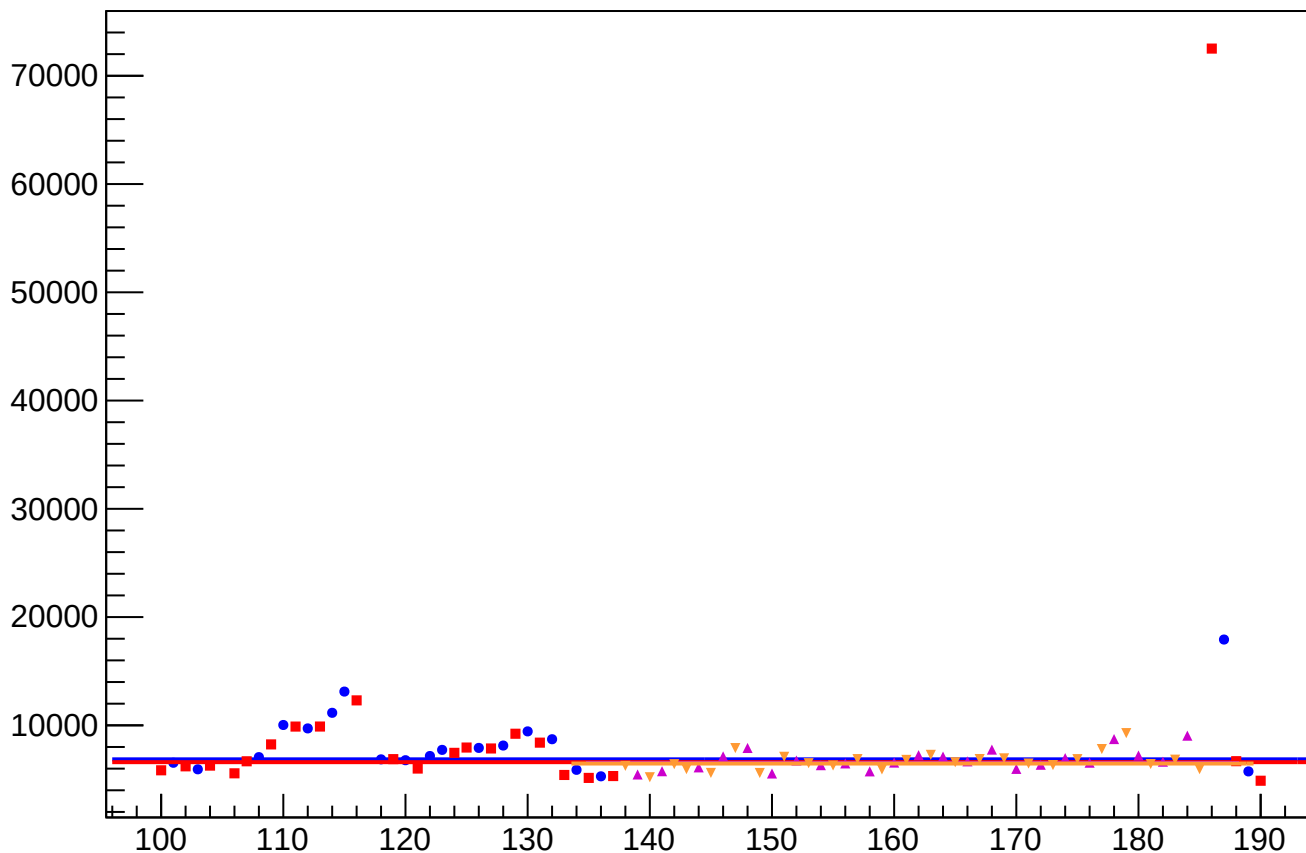
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 1.953 ± 1.319 χ^2/NDF : 36.7/43

All: 2.232 ± 0.930 χ^2/NDF : 98.8/88

- sign 2.507 ± 1.310 χ^2/NDF : 62.0/44

diff_bpm4ecY_rms vs Slug



Right In: 6859.033+/-1.863 χ^2/NDF : 730966.9/18

Left Out: 6471.976+/-1.078 χ^2/NDF : 490282.9/24

Right Out: 6597.863+/-1.662 χ^2/NDF : 1353464.8/21

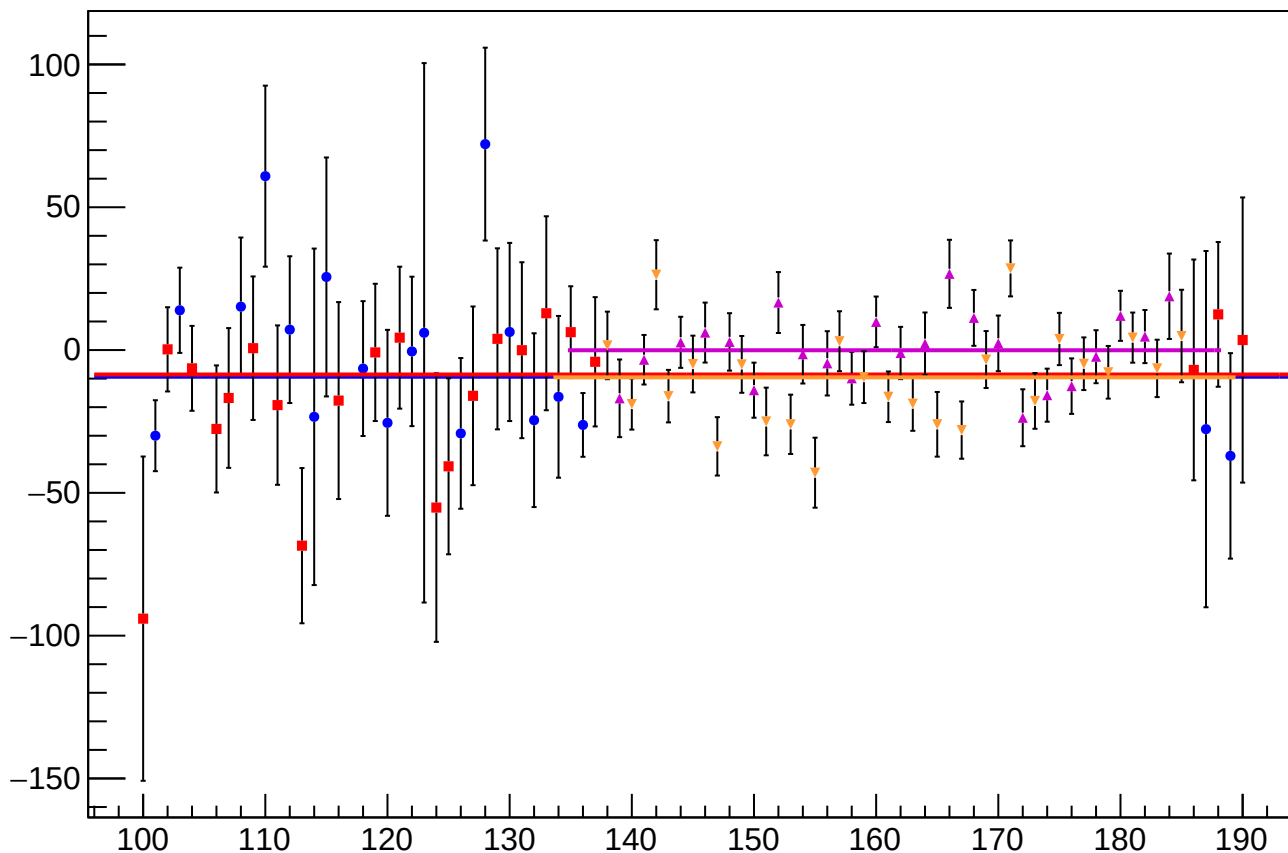
Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22

+ sign 6569.032+/-0.933 χ^2/NDF : 1253585.6/43

All: 6557.211+/-0.657 χ^2/NDF : 3088841.7/86

- sign 6545.560+/-0.926 χ^2/NDF : 1834937.4/44

diff_bpm1X_mean vs Slug



Right In: -9.339 ± 5.339 χ^2/NDF : 22.6/18

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -8.562 ± 5.312 χ^2/NDF : 13.5/21

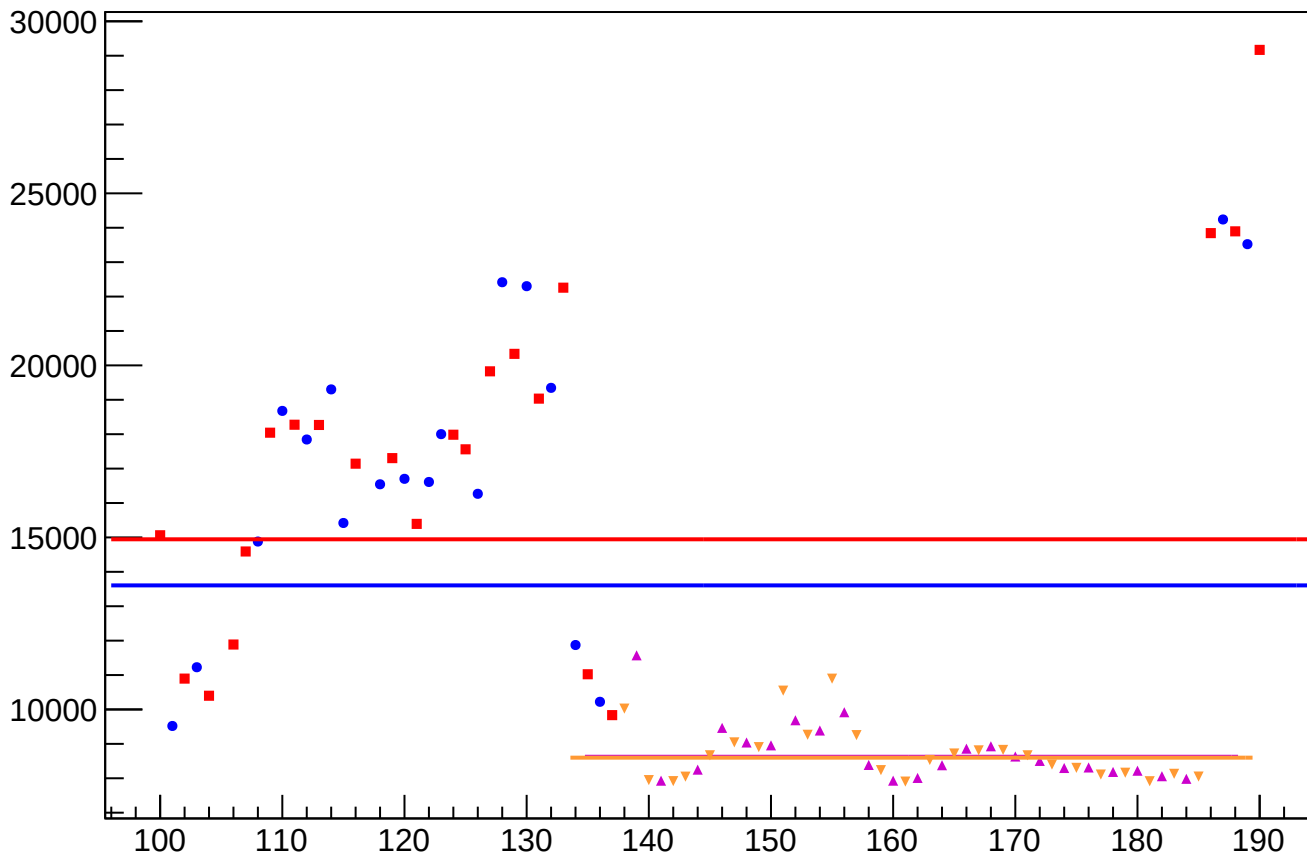
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.527 ± 1.883 χ^2/NDF : 82.2/43

All: -5.466 ± 1.348 χ^2/NDF : 137.2/88

- sign -1.193 ± 1.931 χ^2/NDF : 45.5/44

diff_bpm1X_rms vs Slug



Right In: 13605.706+/-3.775 χ^2/NDF : 1265371.9/18

Left Out: 8598.983+/-1.423 χ^2/NDF : 249070.5/24

Right Out: 14945.299+/-3.756 χ^2/NDF : 1489173.7/21

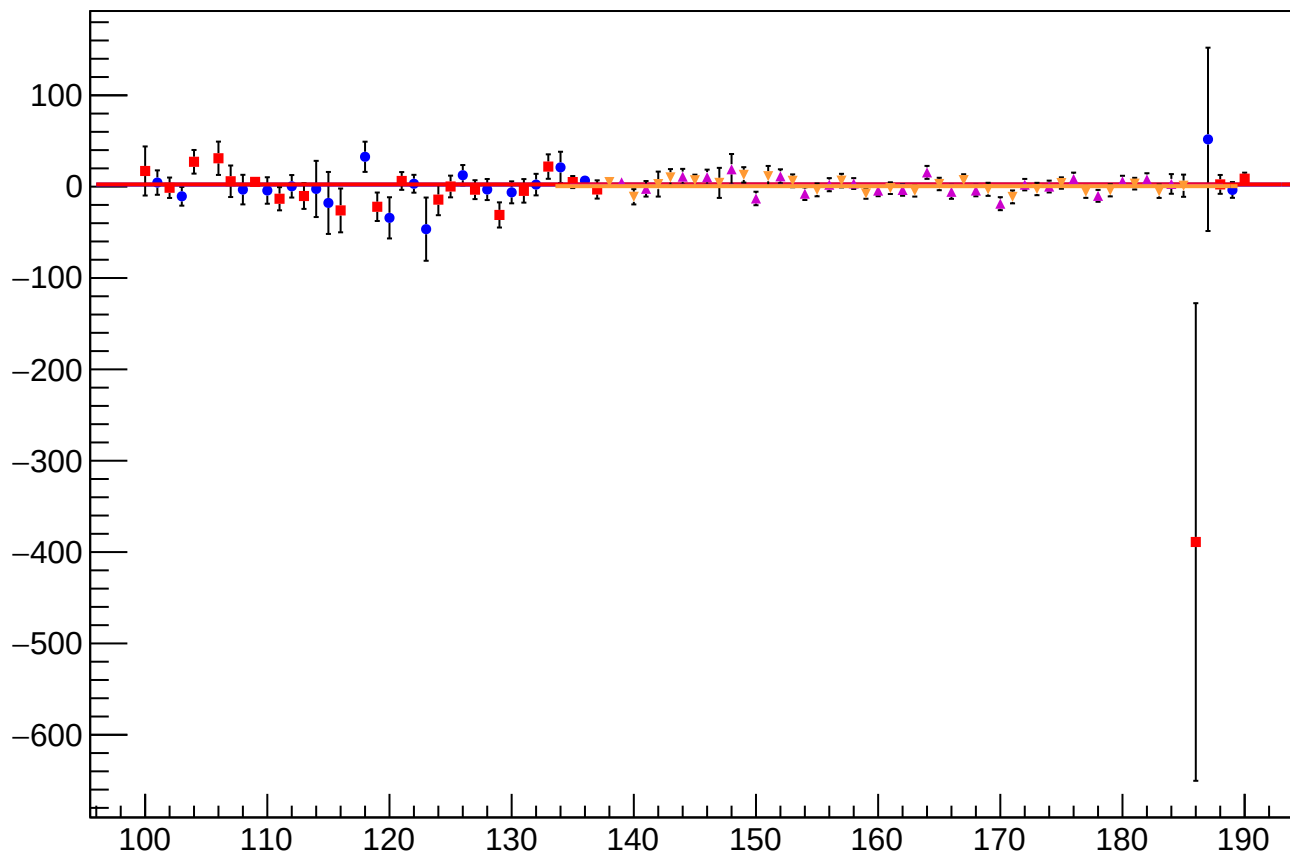
Left In: 8625.233+/-1.466 χ^2/NDF : 237310.9/22

+ sign 9221.552+/-1.331 χ^2/NDF : 3054790.0/43

All: 9337.881+/-0.953 χ^2/NDF : 7253752.8/88

- sign 9460.270+/-1.365 χ^2/NDF : 4183291.2/44

diff_bpm1Y_mean vs Slug



Right In: 2.256 $\pm$ 2.630 χ^2 /NDF: 14.7/18

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 2.465 $\pm$ 2.240 χ^2 /NDF: 26.5/21

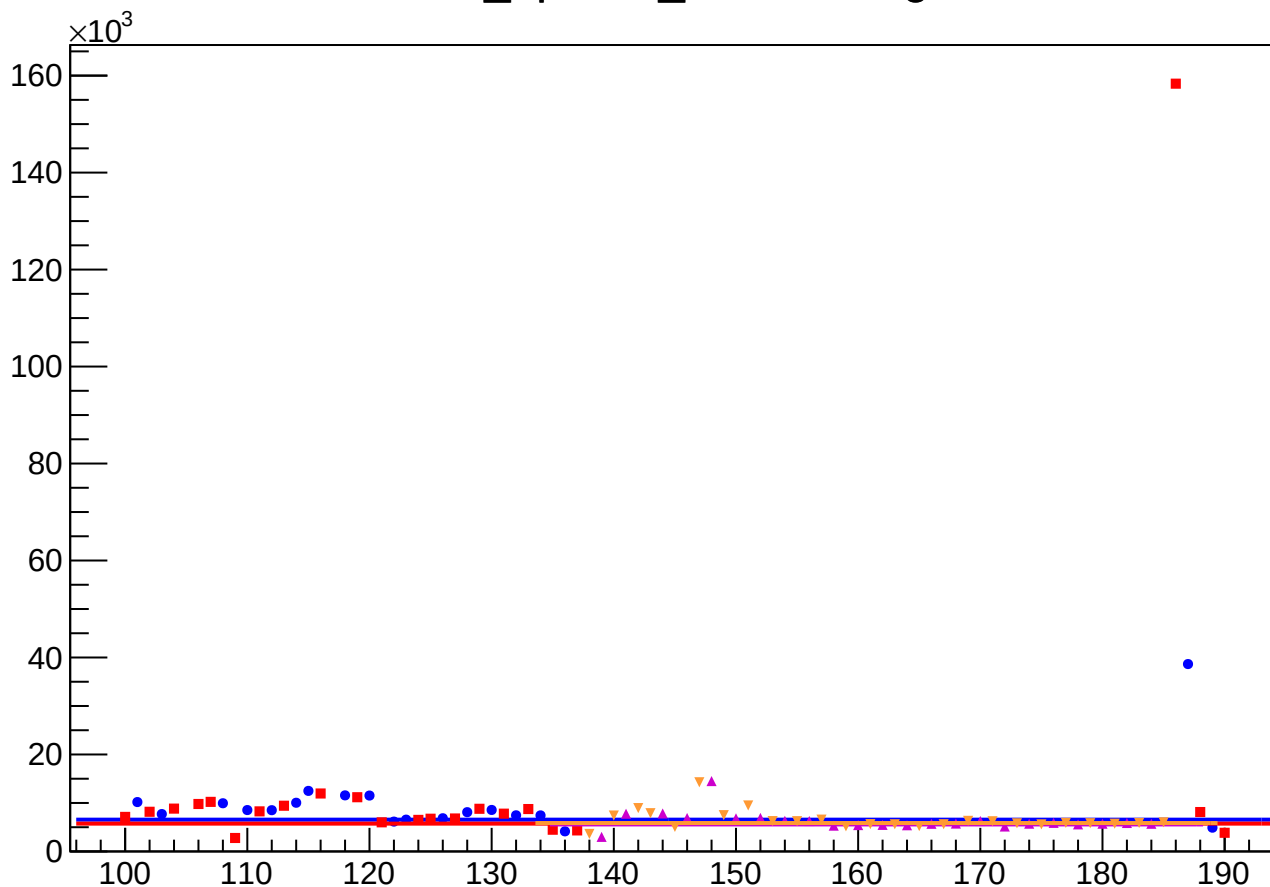
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.917 $\pm$ 1.248 χ^2 /NDF: 34.5/43

All: 1.195 $\pm$ 0.859 χ^2 /NDF: 93.9/88

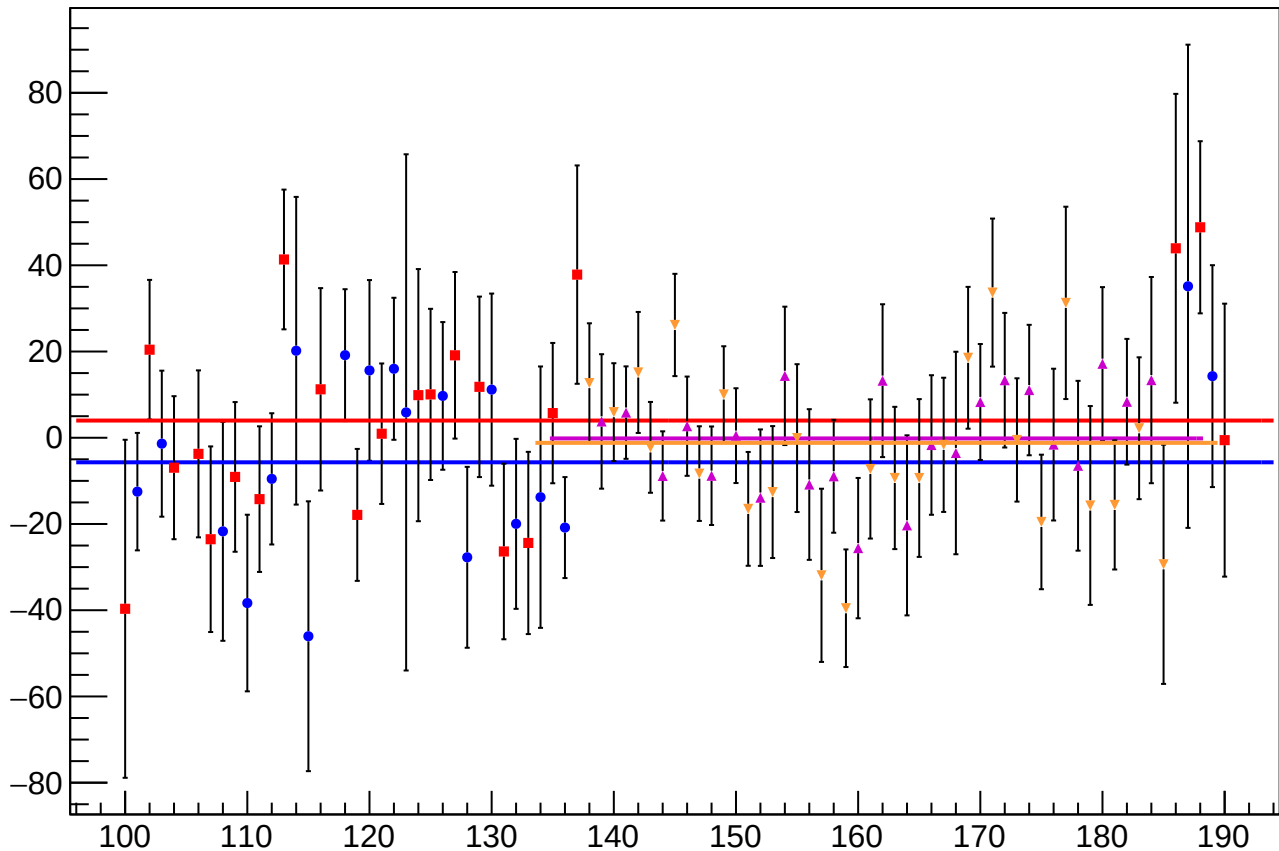
- sign 1.445 $\pm$ 1.185 χ^2 /NDF: 59.3/44

diff_bpm1Y_rms vs Slug



Right In: 6557.599 ± 1.860	$\chi^2/\text{NDF}: 1673038.0/18$	+ sign 6017.526 ± 0.882	$\chi^2/\text{NDF}: 3471934.9/43$
Left Out: 5860.605 ± 1.002	$\chi^2/\text{NDF}: 1690049.2/24$	All: 5807.324 ± 0.607	$\chi^2/\text{NDF}: 8988345.7/88$
Right Out: 5738.000 ± 1.584	$\chi^2/\text{NDF}: 3237764.9/21$	- sign 5617.923 ± 0.838	$\chi^2/\text{NDF}: 5408528.1/44$
Left In: 5571.330 ± 0.987	$\chi^2/\text{NDF}: 2162788.3/22$		

diff_bpm11X_mean vs Slug



Right In: -5.694 ± 4.475 $\chi^2/\text{NDF}: 16.8/18$

Left Out: -1.182 ± 2.939 $\chi^2/\text{NDF}: 33.7/24$

Right Out: 3.991 ± 4.212 $\chi^2/\text{NDF}: 26.7/21$

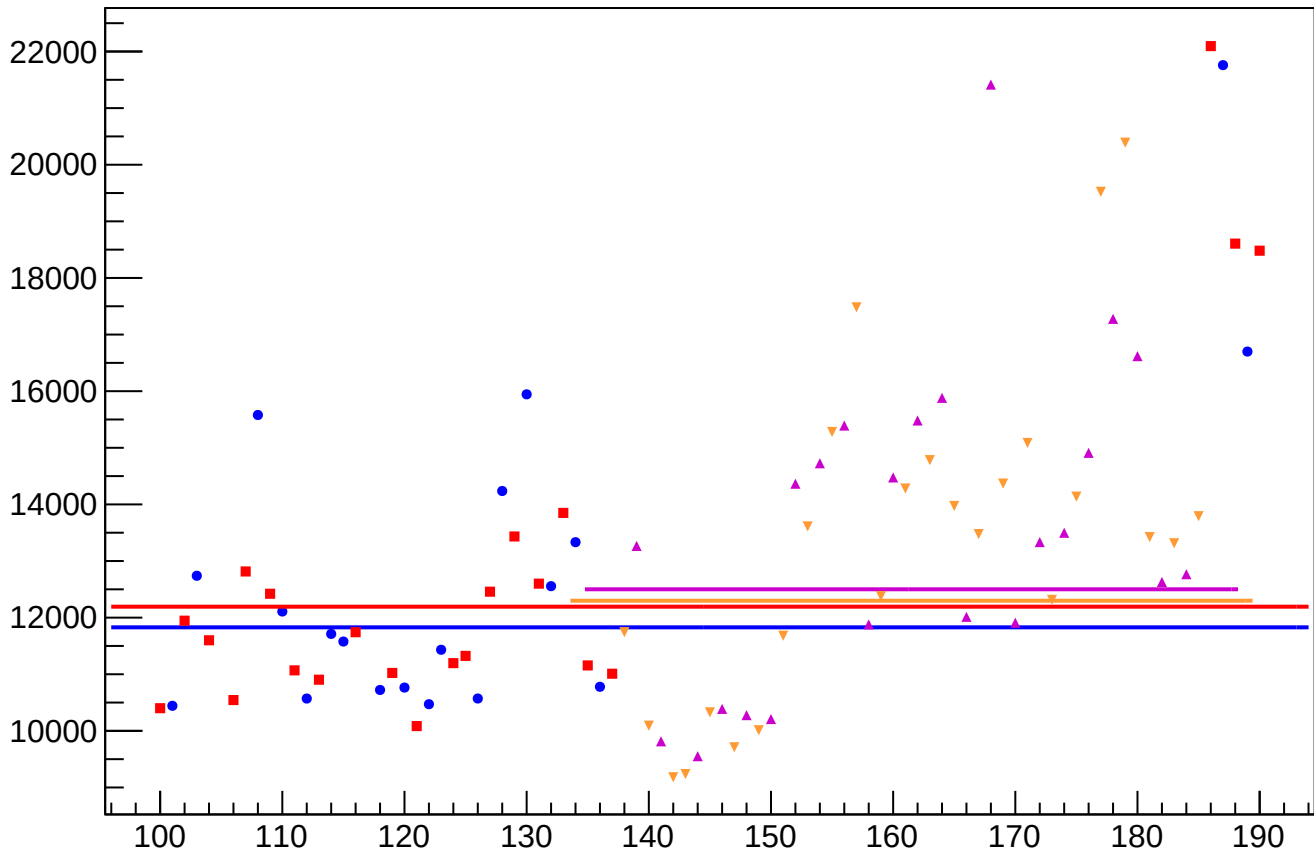
Left In: -0.157 ± 3.058 $\chi^2/\text{NDF}: 11.5/22$

+ sign -2.542 ± 2.456 $\chi^2/\text{NDF}: 51.2/43$

All: -0.648 ± 1.743 $\chi^2/\text{NDF}: 91.3/88$

- sign 1.275 ± 2.475 $\chi^2/\text{NDF}: 38.9/44$

diff_bpm11X_rms vs Slug



Right In: 11828.505 $\pm$ 3.164 χ^2 /NDF: 377224.5/18

Left Out: 12298.676 $\pm$ 2.078 χ^2 /NDF:1506026.8/24

Right Out: 12193.444 $\pm$ 2.979 χ^2 /NDF: 568599.4/21

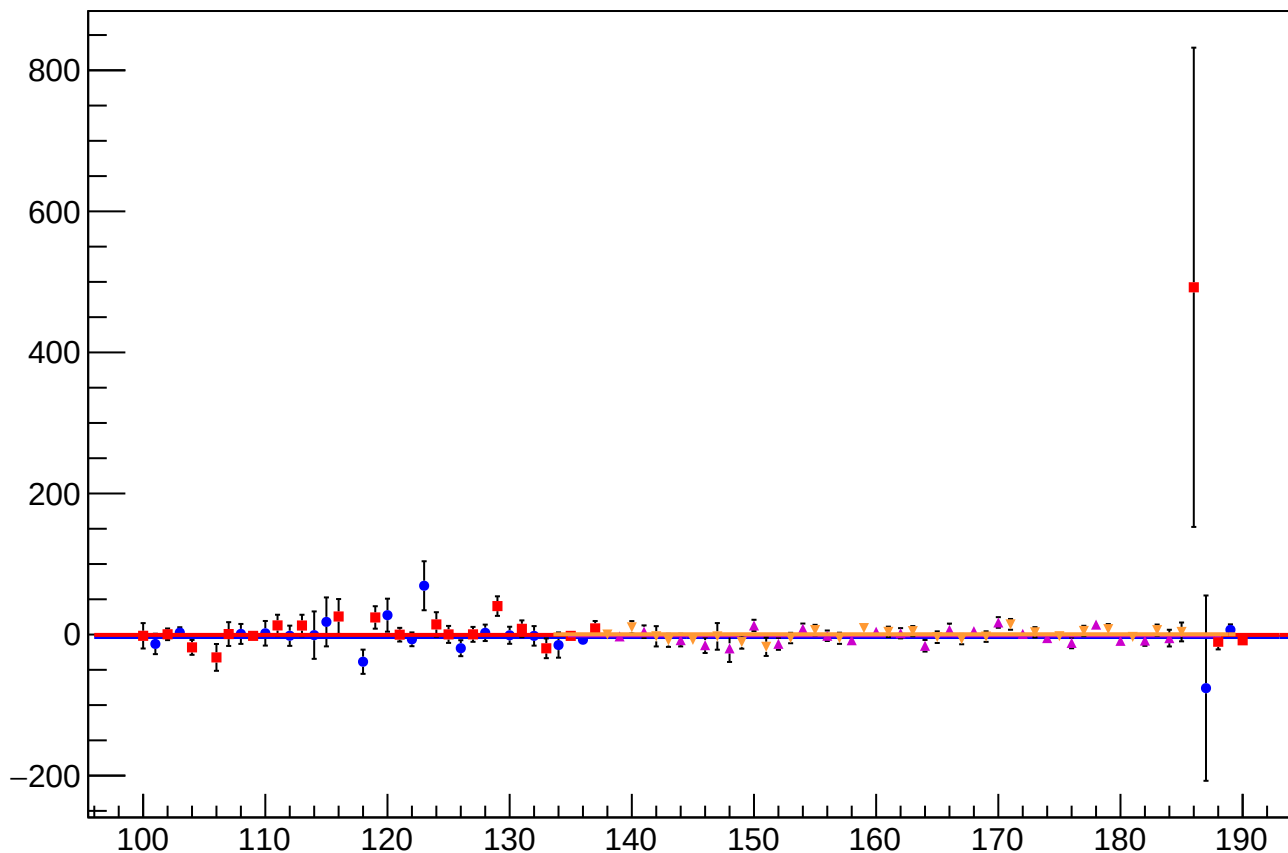
Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF:1357889.1/22

+ sign 12157.003 $\pm$ 1.737 χ^2 /NDF: 1898676.1/43

All: 12274.984 $\pm$ 1.233 χ^2 /NDF: 3841432.7/8

- sign 12394.720 $\pm$ 1.750 χ^2 /NDF: 1933461.1/44

diff_bpm11Y_mean vs Slug



Right In: -3.488 ± 2.622 χ^2/NDF : 17.5/18

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -0.479 ± 2.234 χ^2/NDF : 27.7/21

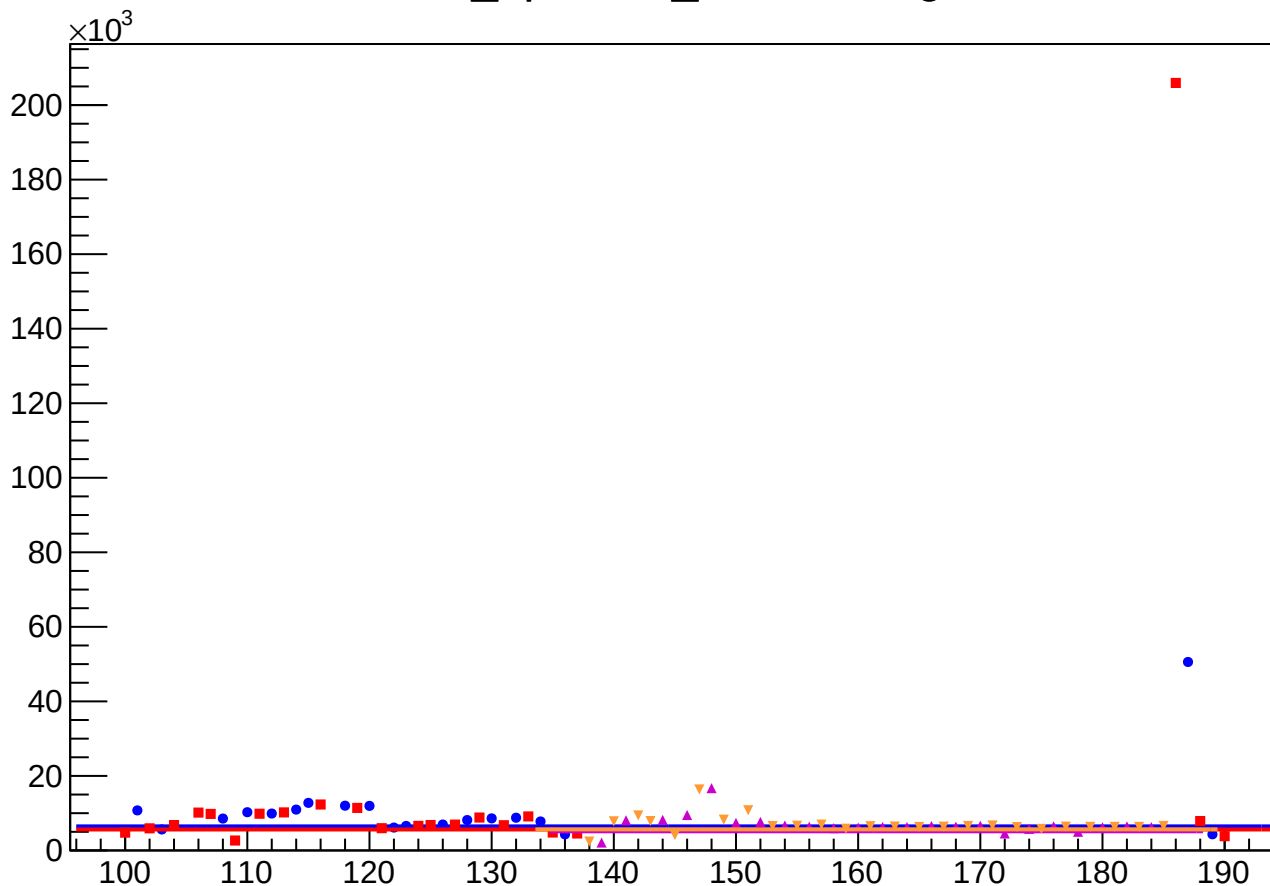
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign -0.530 ± 1.258 χ^2/NDF : 38.3/43

All: -0.770 ± 0.856 χ^2/NDF : 99.7/88

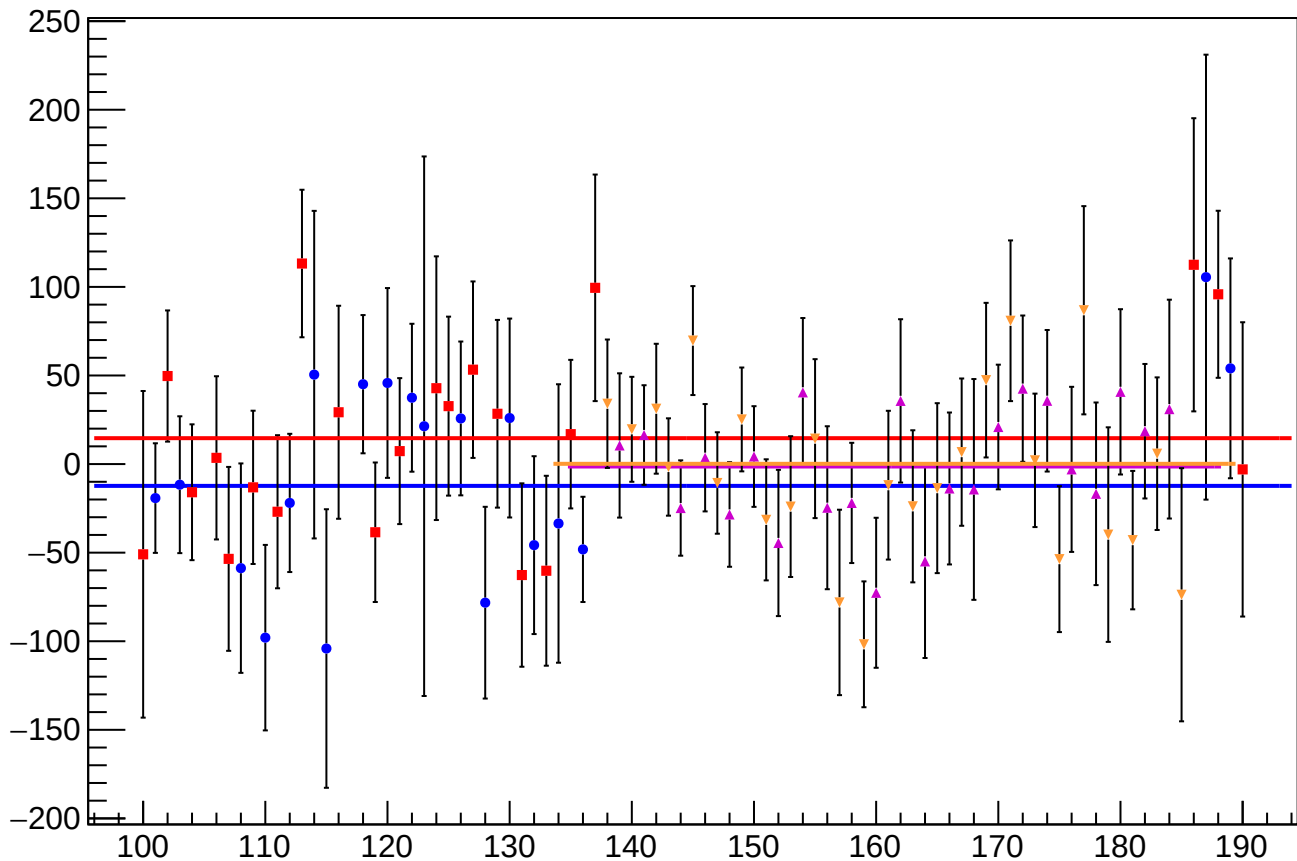
- sign -0.977 ± 1.169 χ^2/NDF : 61.3/44

diff_bpm11Y_rms vs Slug



Right In: 6457.543 ± 1.854 $\chi^2/\text{NDF}: 1837976.6/18$ + sign 5843.053 ± 0.889 $\chi^2/\text{NDF}: 6109204.1/43$
 Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$ All: 5536.391 ± 0.605 $\chi^2/\text{NDF}: 15000141.4/8$
 Right Out: 5626.699 ± 1.579 $\chi^2/\text{NDF}: 3104187.8/21$ - sign 5271.624 ± 0.826 $\chi^2/\text{NDF}: 8669392.9/44$
 Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

diff_bpm12X_mean vs Slug



Right In: -12.309 ± 11.090 χ^2/NDF : 16.8/18

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 14.616 ± 10.462 χ^2/NDF : 24.0/21

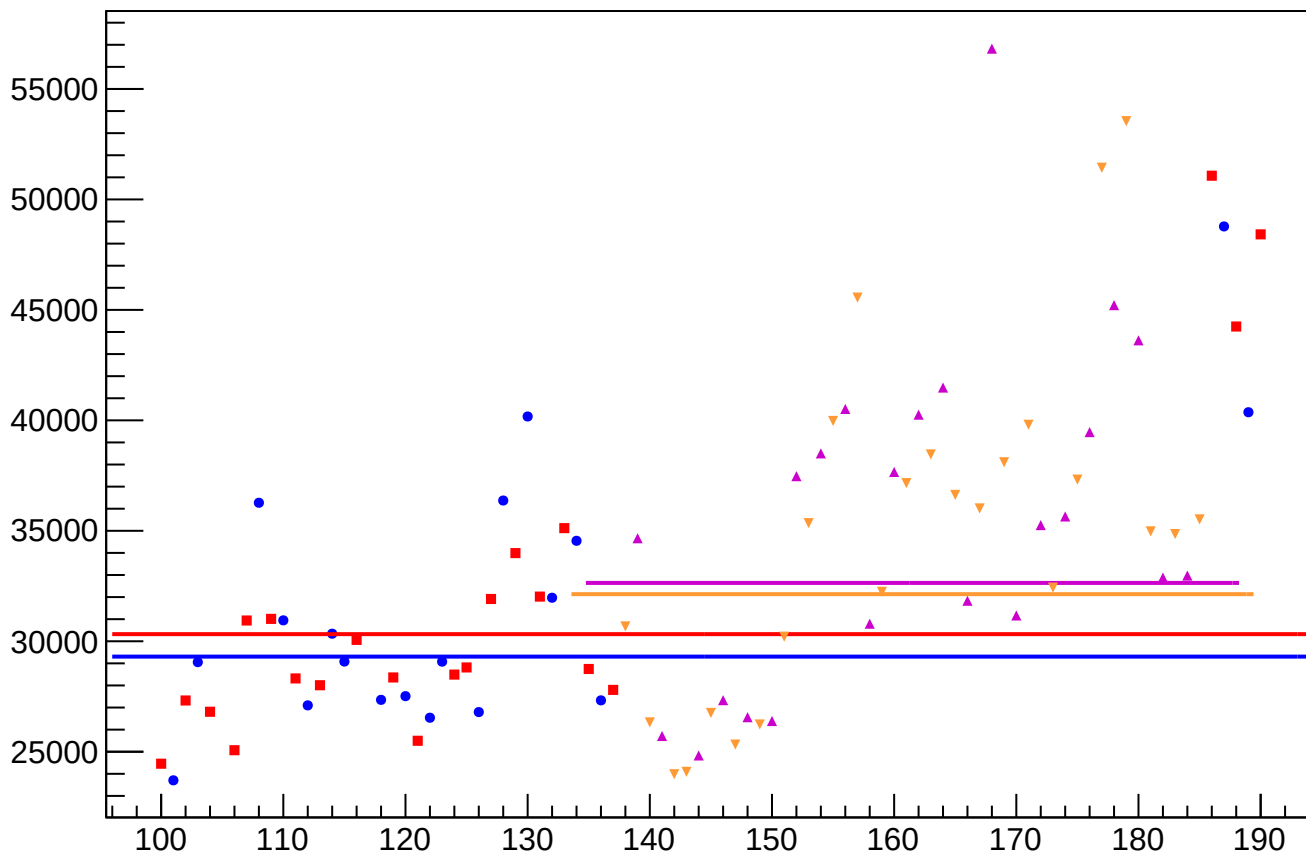
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -3.896 ± 6.316 χ^2/NDF : 48.9/43

All: 0.288 ± 4.478 χ^2/NDF : 88.5/88

- sign 4.517 ± 6.350 χ^2/NDF : 38.7/44

diff_bpm12X_rms vs Slug



Right In: 29305.464 $\pm$ 7.842 χ^2 /NDF: 368966.0/18

Left Out: 32132.314 $\pm$ 5.433 χ^2 /NDF:1540079.4/24

Right Out: 30322.247 $\pm$ 7.398 χ^2 /NDF: 541813.5/21

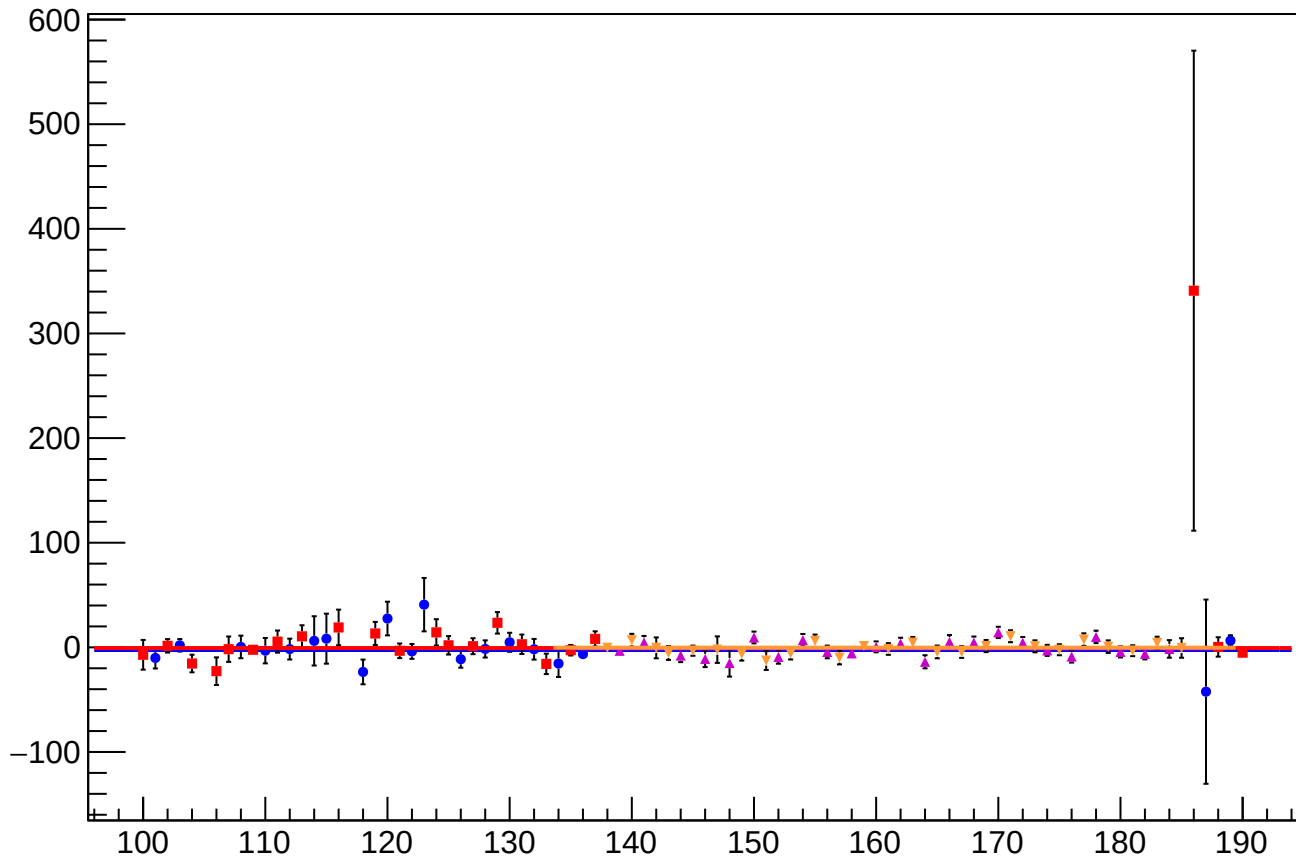
Left In: 32641.162 $\pm$ 5.650 χ^2 /NDF:1402162.4/22

+ sign 31215.525 $\pm$ 4.466 χ^2 /NDF: 1996848.6/43

All: 31499.632 $\pm$ 3.166 χ^2 /NDF: 4011022.9/8

- sign 31786.843 $\pm$ 4.490 χ^2 /NDF: 2006035.7/44

diff_bpm12Y_mean vs Slug



Right In: -2.529 ± 1.876 χ^2/NDF : 18.5/18

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -0.679 ± 1.695 χ^2/NDF : 25.5/21

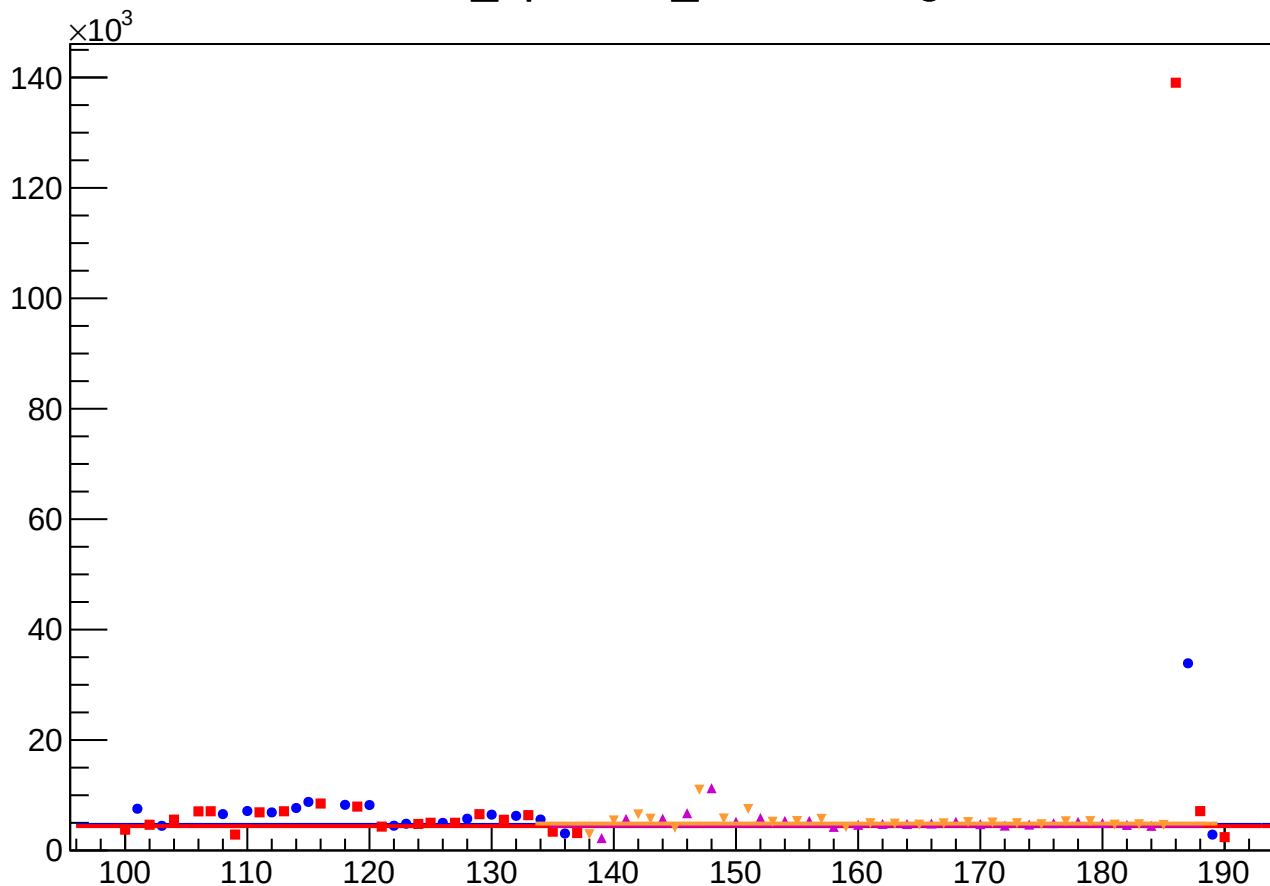
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.934 ± 0.994 χ^2/NDF : 37.2/43

All: -0.883 ± 0.686 χ^2/NDF : 98.9/88

- sign -0.836 ± 0.947 χ^2/NDF : 61.7/44

diff_bpm12Y_rms vs Slug



Right In: 4621.750 ± 1.327 $\chi^2/\text{NDF}: 1886799.6/18$

Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$

Right Out: 4407.671 ± 1.199 $\chi^2/\text{NDF}: 2689902.4/21$

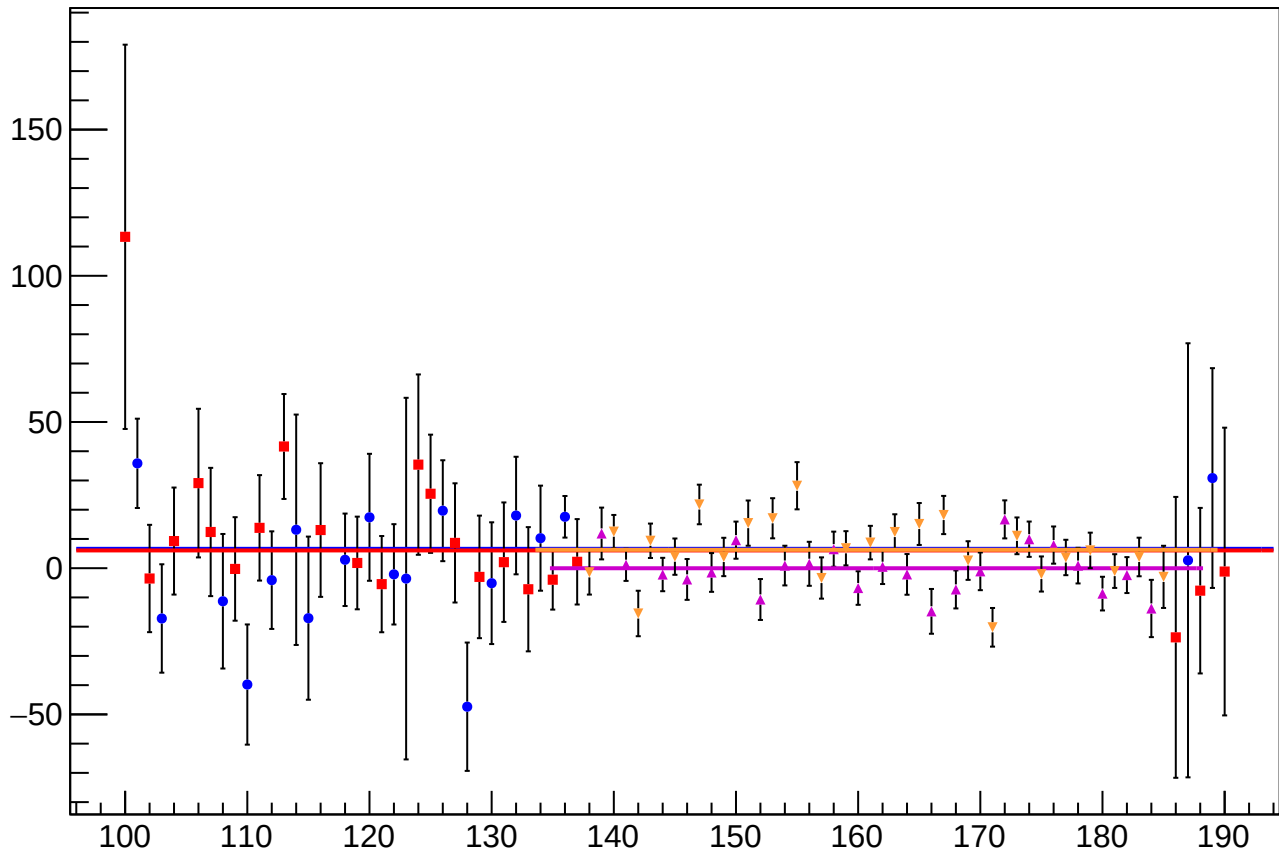
Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

+ sign 4799.319 ± 0.703 $\chi^2/\text{NDF}: 3422850.6/43$

All: 4643.356 ± 0.485 $\chi^2/\text{NDF}: 8850012.8/88$

- sign 4501.667 ± 0.670 $\chi^2/\text{NDF}: 5333156.8/44$

diff_bpm16X_mean vs Slug



Right In: 6.623 ± 4.058 χ^2/NDF : 22.9/18

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 6.076 ± 4.155 χ^2/NDF : 12.9/21

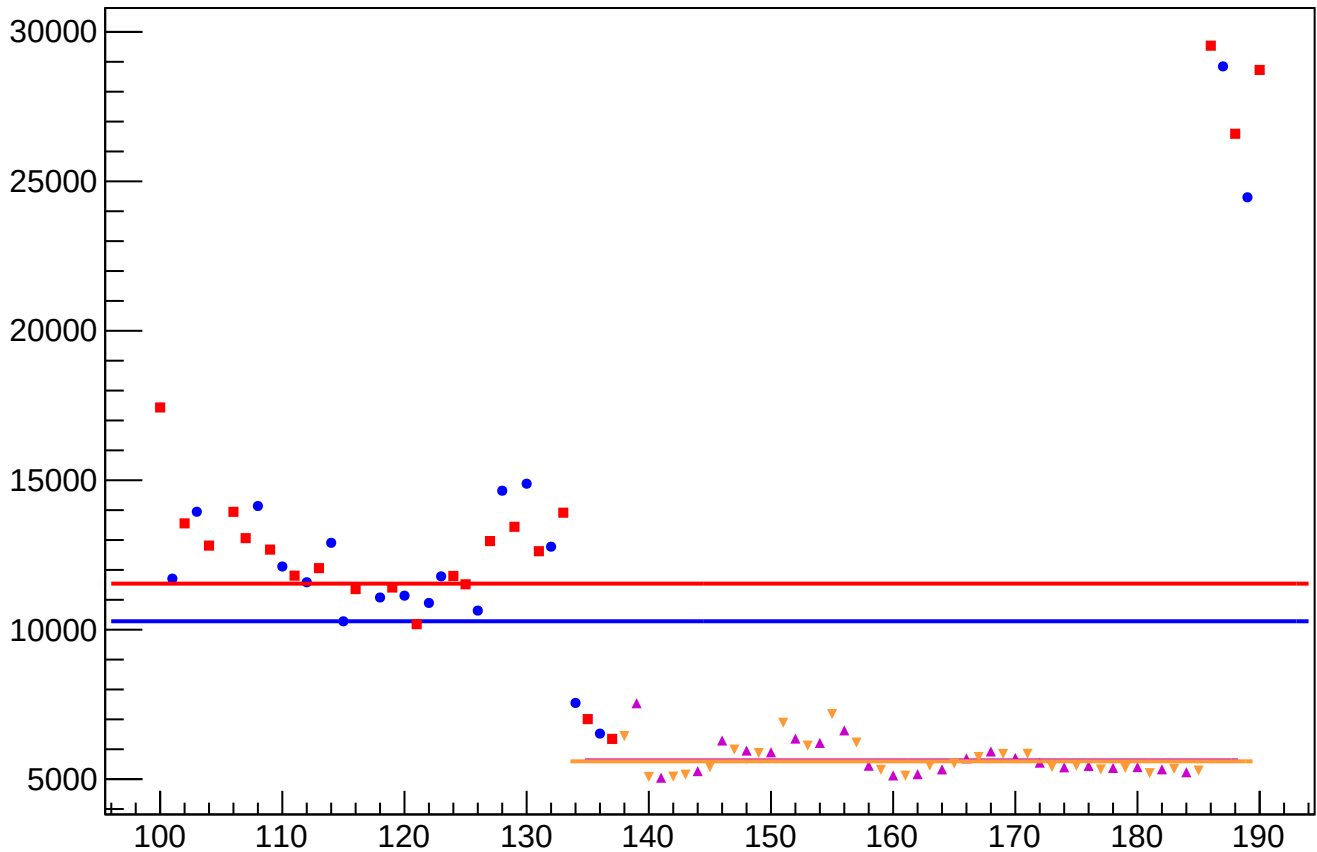
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.327 ± 1.247 χ^2/NDF : 79.4/43

All: 3.536 ± 0.895 χ^2/NDF : 134.5/88

- sign 0.564 ± 1.287 χ^2/NDF : 44.8/44

diff_bpm16X_rms vs Slug



Right In: 10281.939 $\pm$ 2.870 χ^2 /NDF: 1423700.5/18

Left Out: 5596.370 $\pm$ 0.926 χ^2 /NDF:283998.1/24

Right Out: 11541.390 $\pm$ 2.938 χ^2 /NDF: 1895015.8/21

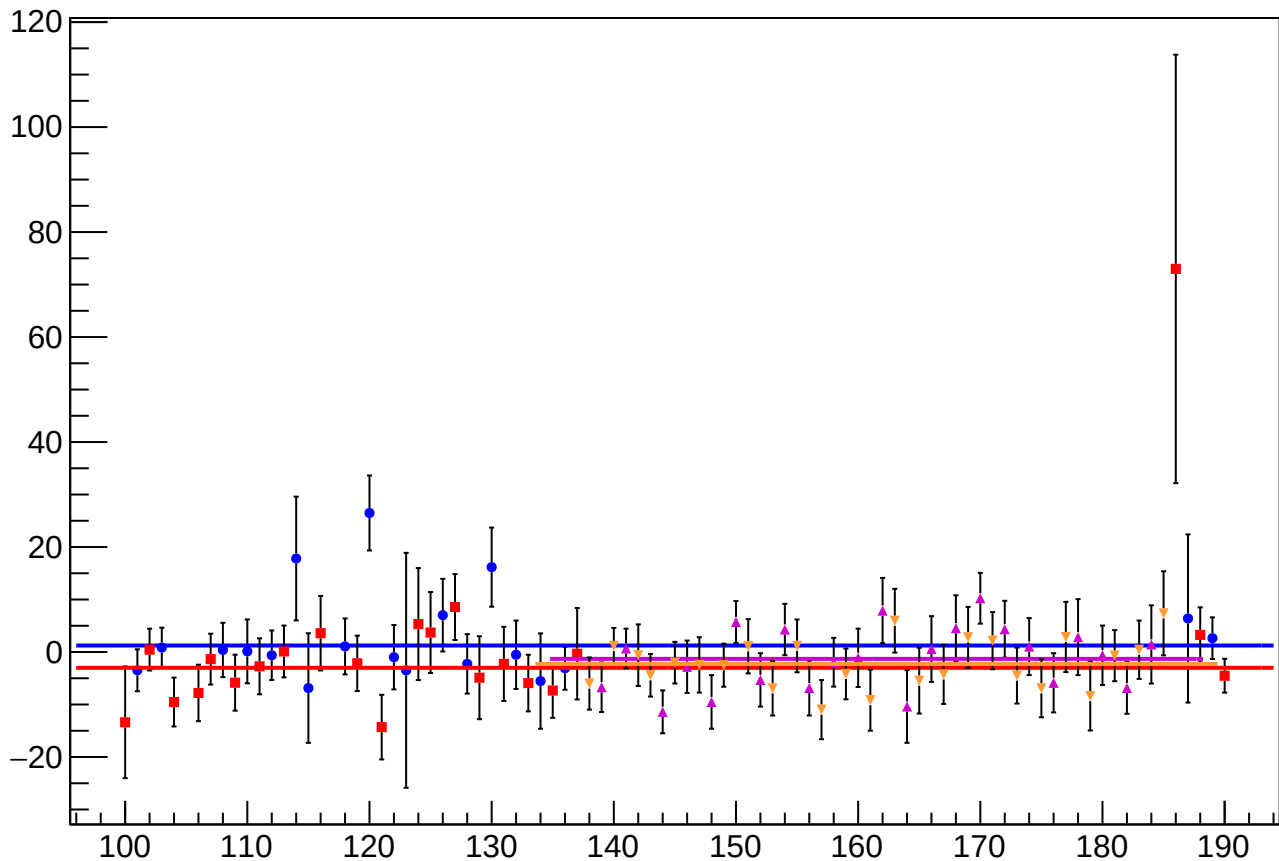
Left In: 5627.283 $\pm$ 0.957 χ^2 /NDF:279318.7/22

+ sign 6038.607 $\pm$ 0.882 χ^2 /NDF: 4121957.3/43

All: 6114.018 $\pm$ 0.633 χ^2 /NDF: 9974742.6/80

- sign 6194.314 $\pm$ 0.910 χ^2 /NDF: 5837678.9/44

diff_bpm16Y_mean vs Slug



Right In: 1.239 ± 1.320 χ^2/NDF : 23.9/18

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -3.006 ± 1.201 χ^2/NDF : 20.6/21

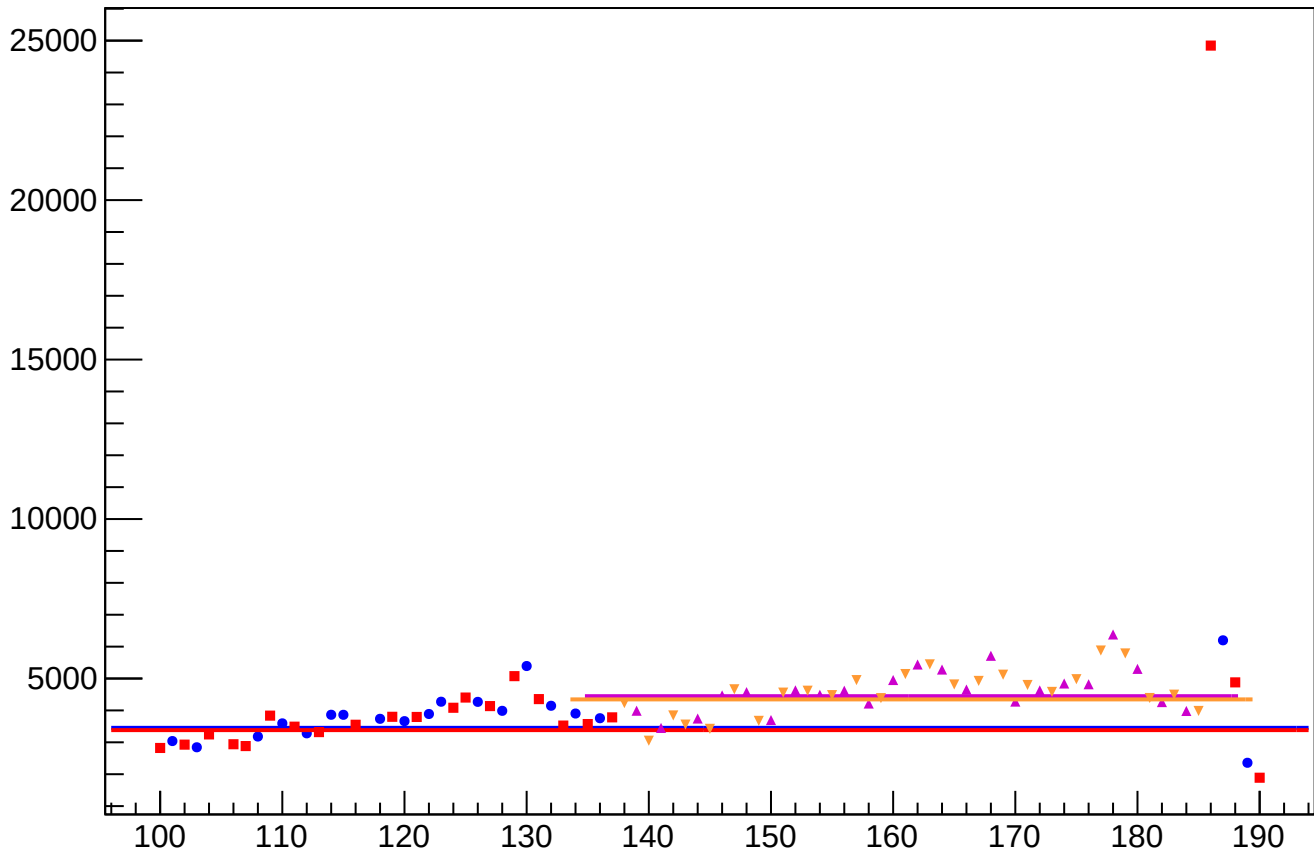
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -0.942 ± 0.812 χ^2/NDF : 43.6/43

All: -1.509 ± 0.570 χ^2/NDF : 97.1/88

- sign -2.063 ± 0.802 χ^2/NDF : 52.5/44

diff_bpm16Y_rms vs Slug



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

+ sign 4008.167 $\pm$ 0.574 χ^2 /NDF: 2103536.8/43

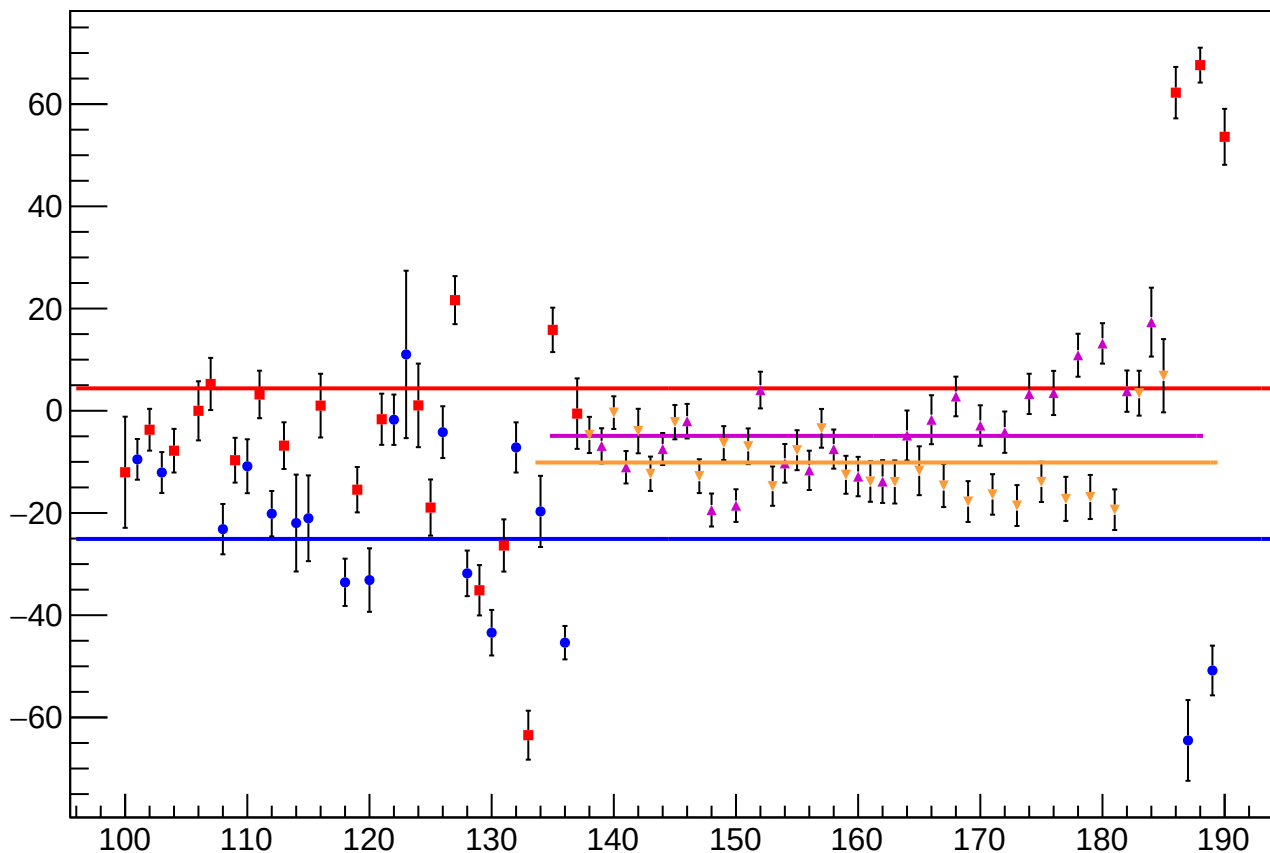
Right Out: 3382.255 $\pm$ 0.849 χ^2 /NDF: 1461475.2/21

All: 3989.774 $\pm$ 0.403 χ^2 /NDF: 5139929.3/86

Left In: 4446.181 $\pm$ 0.762 χ^2 /NDF: 702797.6/22

- sign 3971.832 $\pm$ 0.567 χ^2 /NDF: 3034364.3/44

diff_bpm0l01X_mean vs Slug



Right In: -25.075 ± 1.155 χ^2/NDF : 208.8/18

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 4.385 ± 1.052 χ^2/NDF : 949.6/21

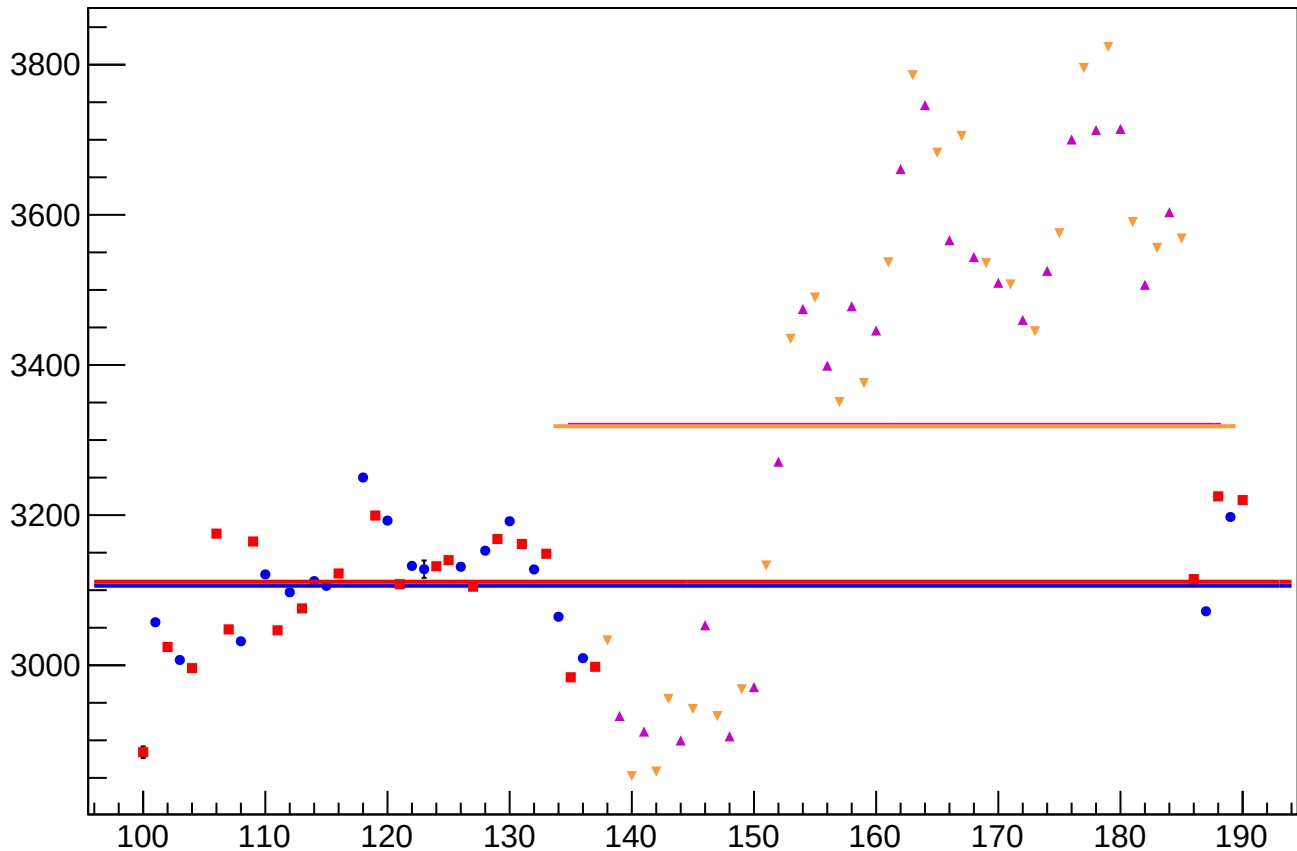
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -14.770 ± 0.644 χ^2/NDF : 392.2/43

All: -8.059 ± 0.452 χ^2/NDF : 1733.9/88

- sign -1.521 ± 0.635 χ^2/NDF : 1127.1/44

diff_bpm0l01X_rms vs Slug



Right In: 3105.963+/-0.817 χ^2/NDF : 8003.5/18

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3111.307+/-0.744 χ^2/NDF : 11303.1/21

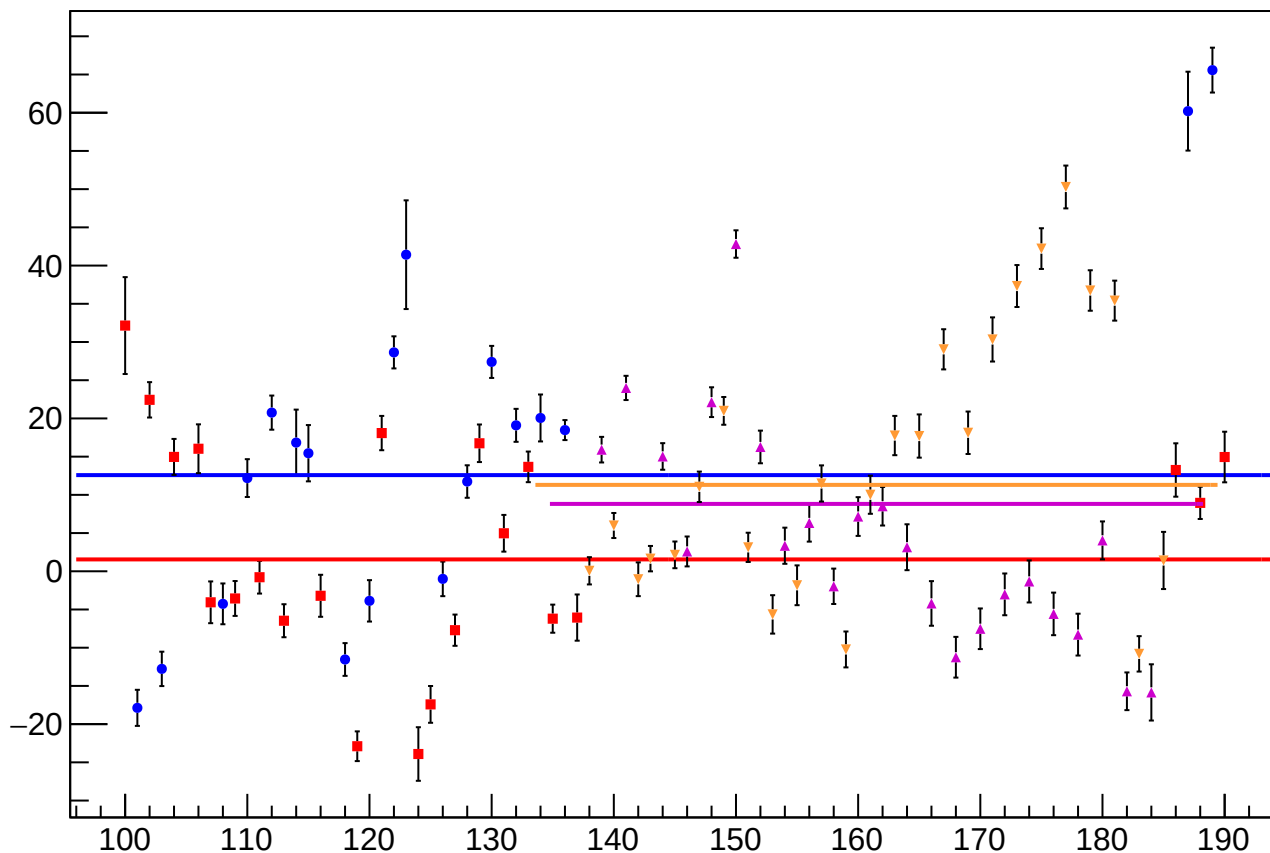
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3252.460+/-0.455 χ^2/NDF : 392385.5/43

All: 3248.178+/-0.320 χ^2/NDF : 741568.0/88

- sign 3244.007+/-0.449 χ^2/NDF : 349007.9/44

diff_bpm0l01Y_mean vs Slug



Right In: 12.583+/-0.549 χ^2/NDF : 1118.9/18

Left Out: 11.305+/-0.454 χ^2/NDF : 1144.3/24

Right Out: 1.552+/-0.518 χ^2/NDF : 673.4/21

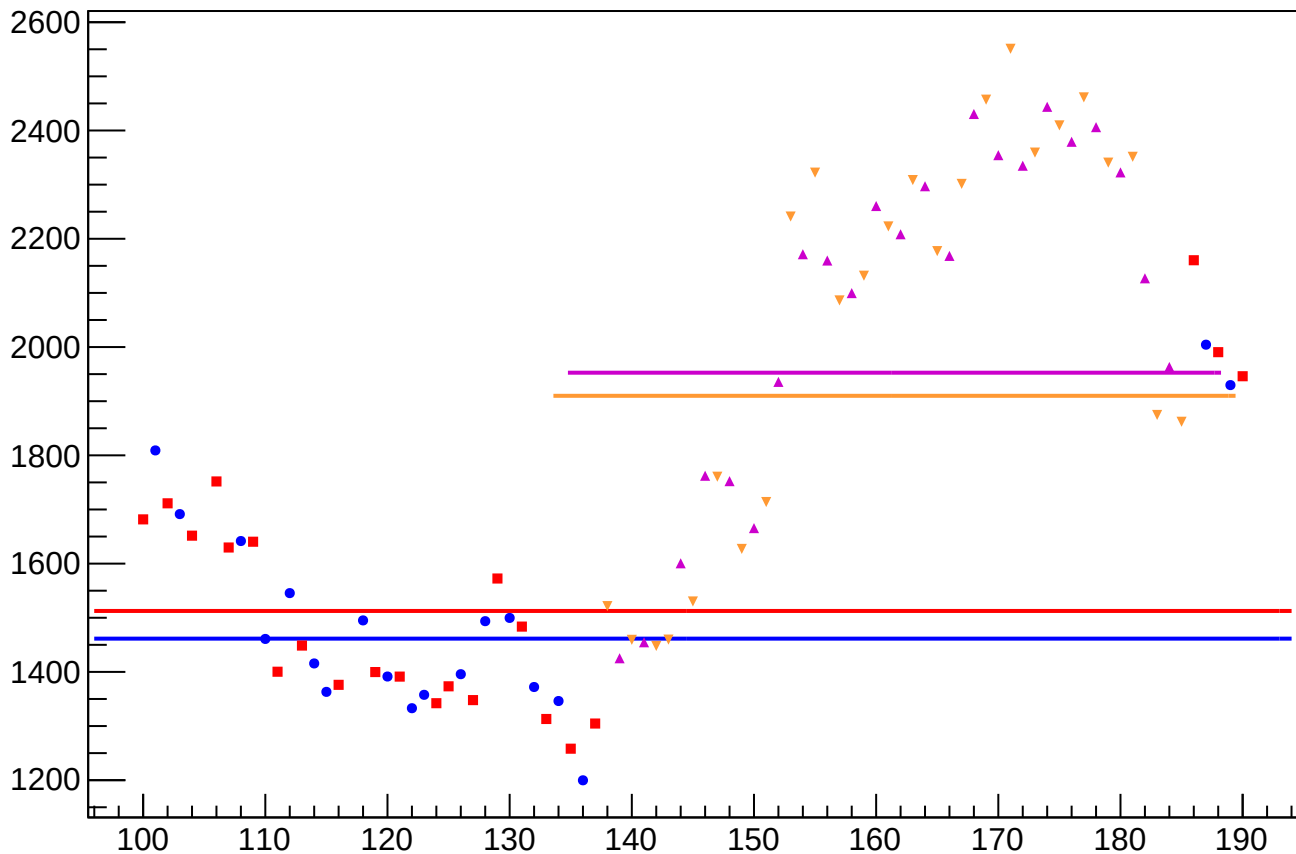
Left In: 8.815+/-0.475 χ^2/NDF : 942.2/22

+ sign 11.823+/-0.350 χ^2/NDF : 2266.4/43

All: 8.661+/-0.248 χ^2/NDF : 4152.2/88

- sign 5.494+/-0.350 χ^2/NDF : 1722.3/44

diff_bpm0l01Y_rms vs Slug



Right In: 1461.448 $\pm$ 0.389 χ^2 /NDF: 249731.6/18

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1512.572 $\pm$ 0.366 χ^2 /NDF: 368478.1/21

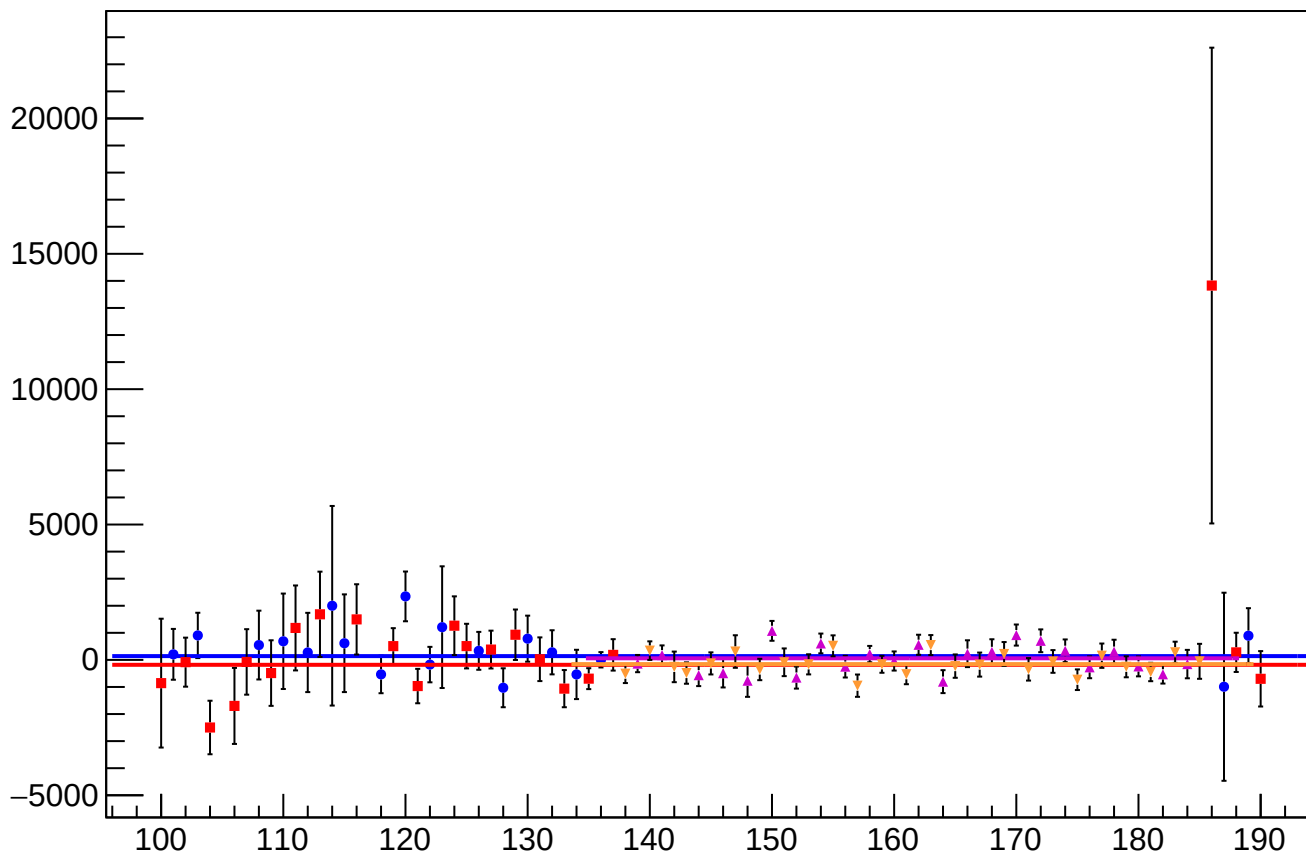
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1728.067 $\pm$ 0.247 χ^2 /NDF: 2441350.6/43

All: 1739.721 $\pm$ 0.175 χ^2 /NDF: 4663408.1/80

- sign 1751.394 $\pm$ 0.248 χ^2 /NDF: 2217616.6/44

asym_sam1_mean vs Slug



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: -181.386 $\pm$ 176.337 χ^2 /NDF: 24.9/21

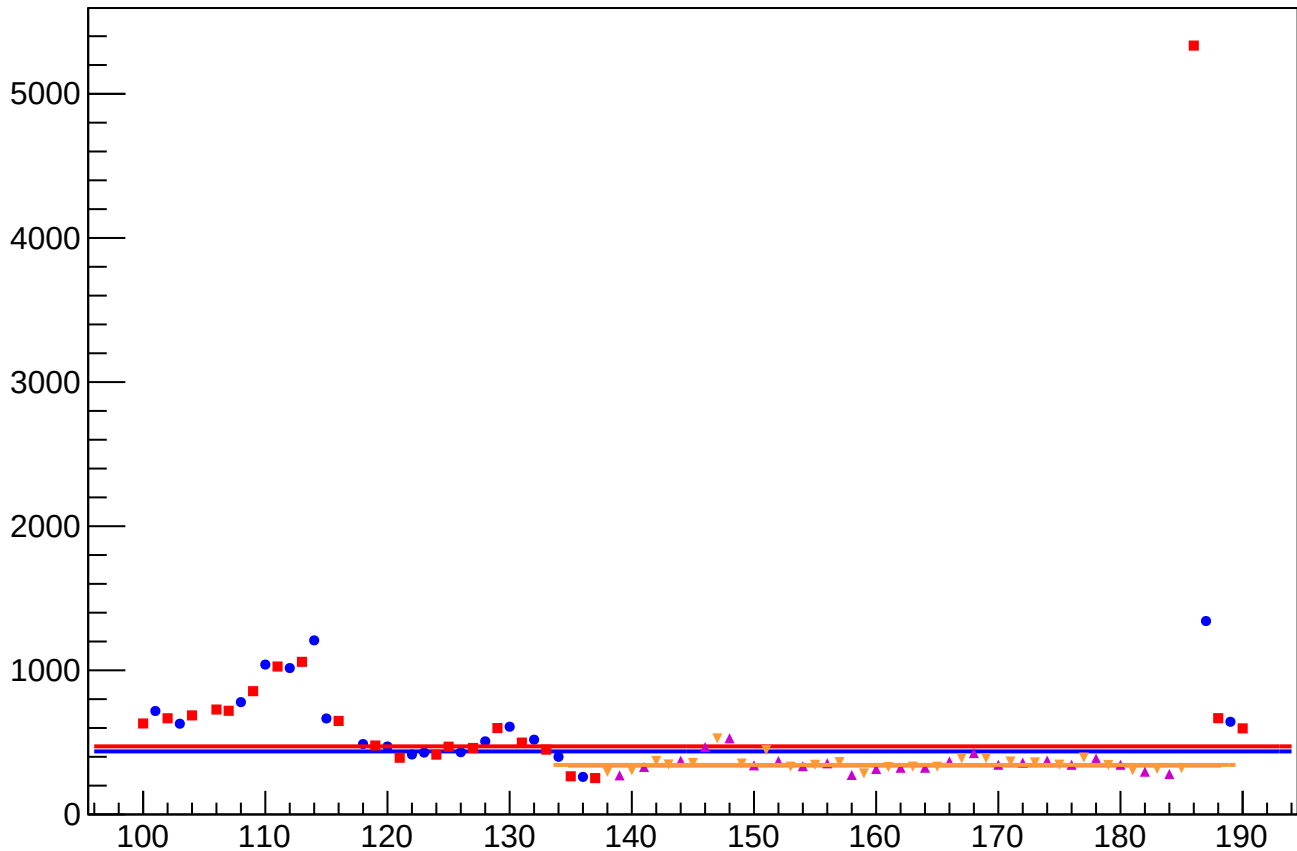
Left In: 58.934 $\pm$ 82.584 χ^2 /NDF:38.5/22

+ sign -106.259 $\pm$ 73.542 χ^2 /NDF: 37.6/43

All: -46.302 $\pm$ 52.437 χ^2 /NDF: 103.9/88

- sign 15.705 $\pm$ 74.789 χ^2 /NDF: 64.9/44

asym_sam1_rms vs Slug



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: 472.523 ± 0.125 χ^2/NDF : 2841217.4/21

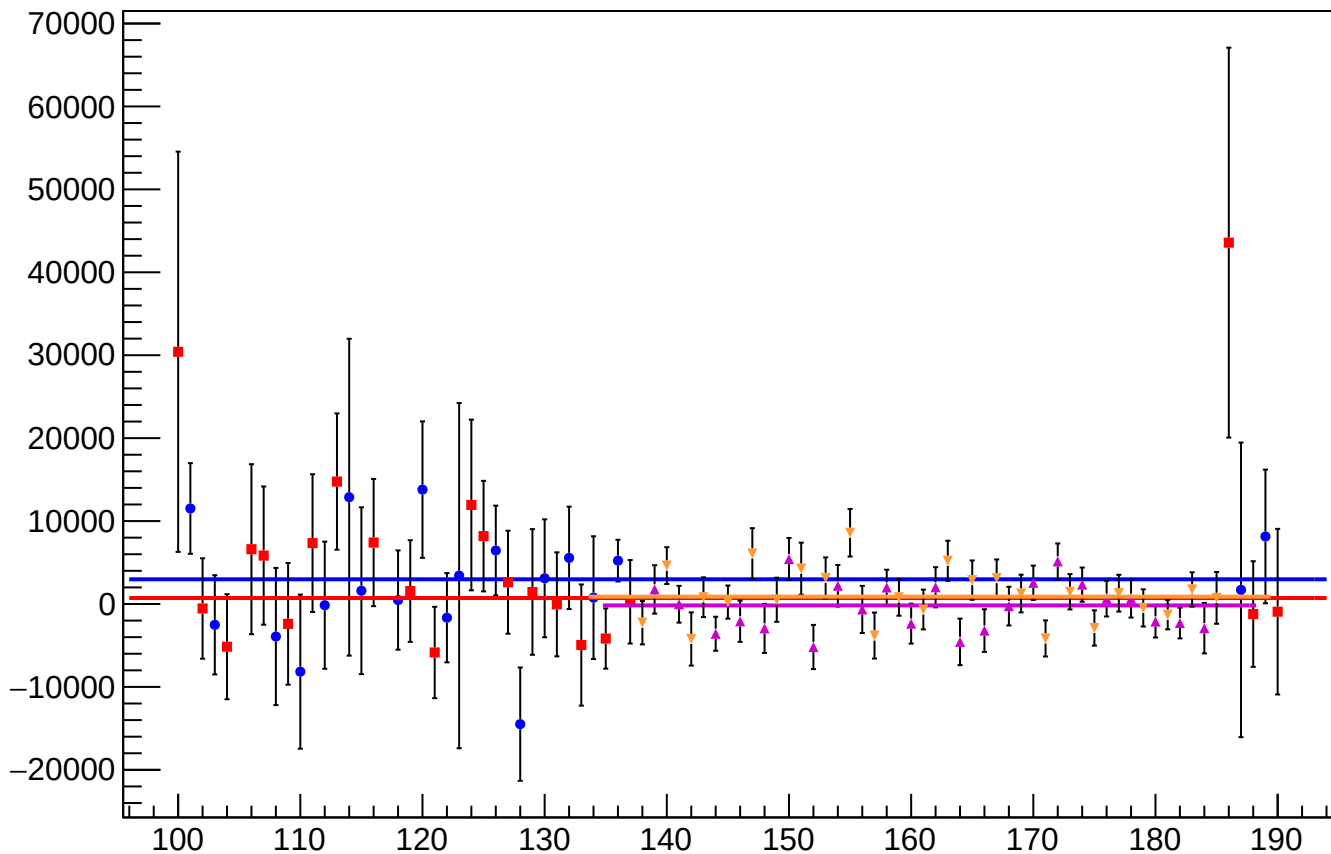
Left In: 340.876 ± 0.058 χ^2/NDF : 724672.0/22

+ sign 359.850 ± 0.052 χ^2/NDF : 3228599.5/43

All: 362.164 ± 0.037 χ^2/NDF : 7712724.7/88

- sign 364.557 ± 0.053 χ^2/NDF : 4480097.3/44

asym_sam2_mean vs Slug



Right In: 2978.503 $\pm$ 1423.256 χ^2 /NDF: 16.9/18

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF:38.0/24

Right Out: 722.389 $\pm$ 1453.203 χ^2 /NDF: 17.5/21

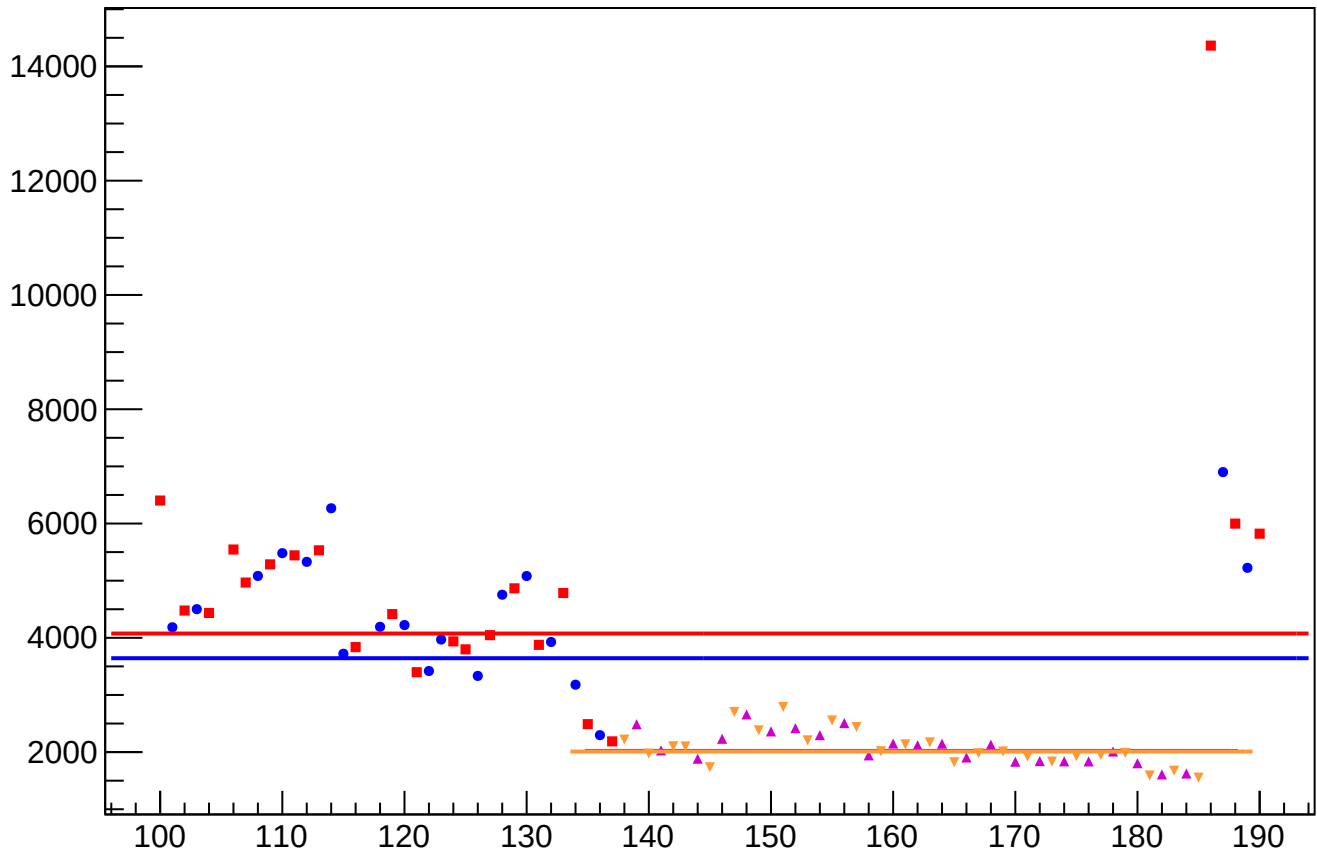
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF:33.2/22

+ sign 1098.290 $\pm$ 449.085 χ^2 /NDF: 56.8/43

All: 525.877 $\pm$ 322.247 χ^2 /NDF: 111.2/88

- sign -81.691 $\pm$ 462.670 χ^2 /NDF: 51.0/44

asym_sam2_rms vs Slug



Right In: 3643.152+/-1.006 χ^2/NDF : 1237215.6/18

Left Out: 2009.631+/-0.335 χ^2/NDF : 709977.6/24

Right Out: 4074.839+/-1.028 χ^2/NDF : 1643061.1/21

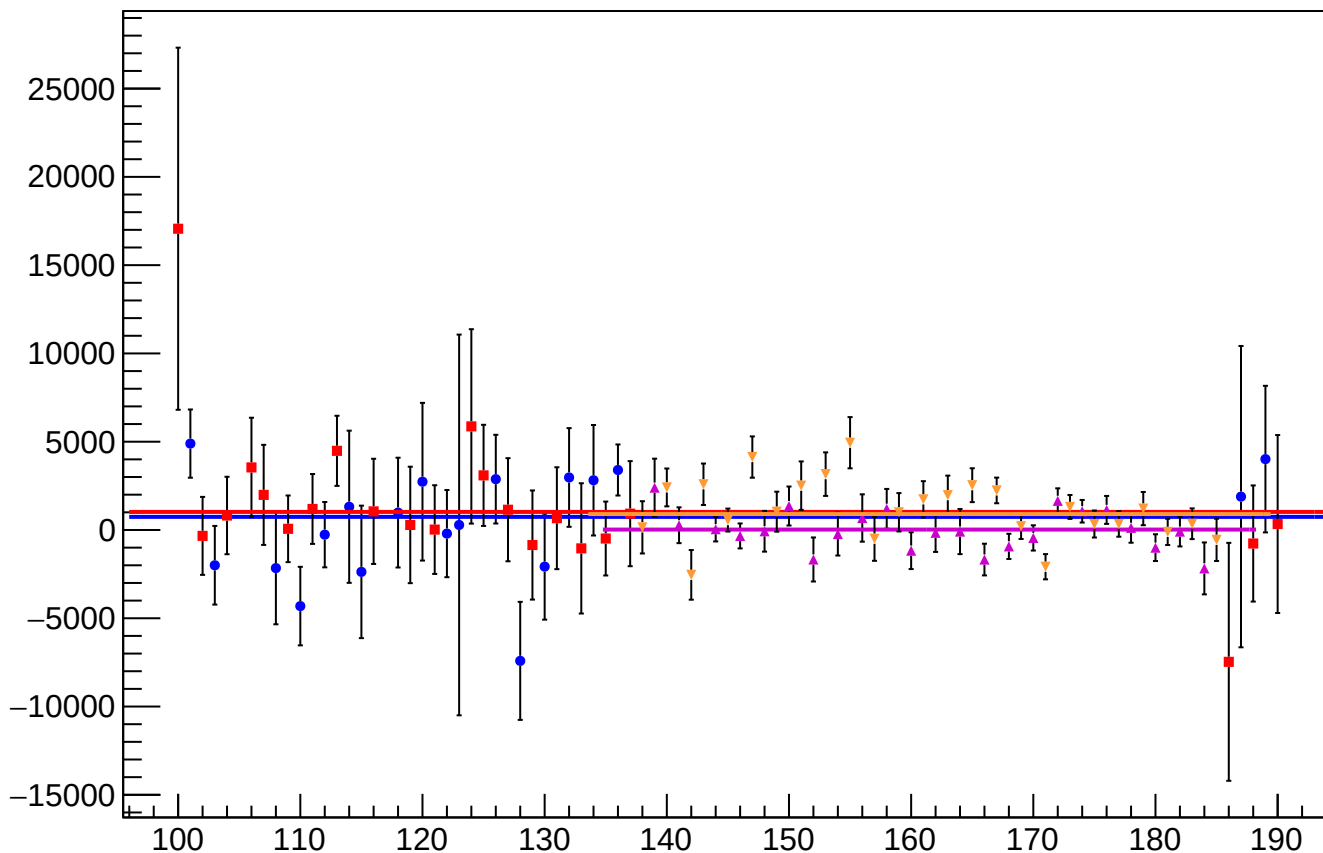
Left In: 2020.365+/-0.345 χ^2/NDF : 573483.0/22

+ sign 2172.267+/-0.318 χ^2/NDF : 4319480.0/43

All: 2199.603+/-0.228 χ^2/NDF : 10143509.1/8

- sign 2228.618+/-0.327 χ^2/NDF : 5808753.1/44

asym_sam3_mean vs Slug



Right In: 743.064 $\pm$ 614.033 χ^2 /NDF: 26.1/18

Left Out: 902.091 $\pm$ 185.850 χ^2 /NDF: 63.5/24

Right Out: 1023.772 $\pm$ 588.056 χ^2 /NDF: 11.7/21

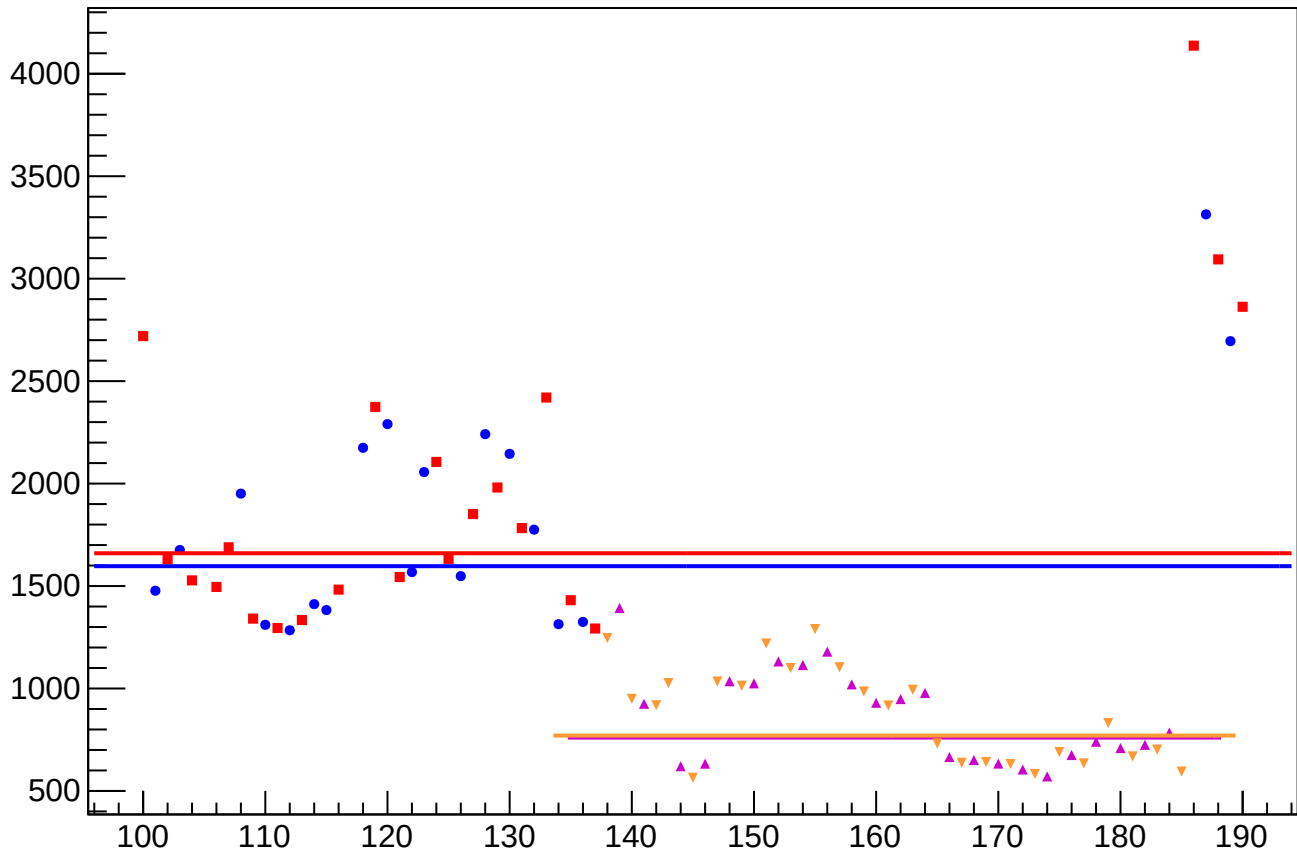
Left In: 23.529 $\pm$ 188.137 χ^2 /NDF: 28.2/22

+ sign 888.746 $\pm$ 177.881 χ^2 /NDF: 89.7/43

All: 505.405 $\pm$ 126.241 χ^2 /NDF: 141.6/88

- sign 116.403 $\pm$ 179.190 χ^2 /NDF: 42.5/44

asym_sam3_rms vs Slug



Right In: 1596.929 $\pm$ 0.434 χ^2 /NDF: 714474.6/18

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 1660.004 $\pm$ 0.416 χ^2 /NDF: 1271078.6/21

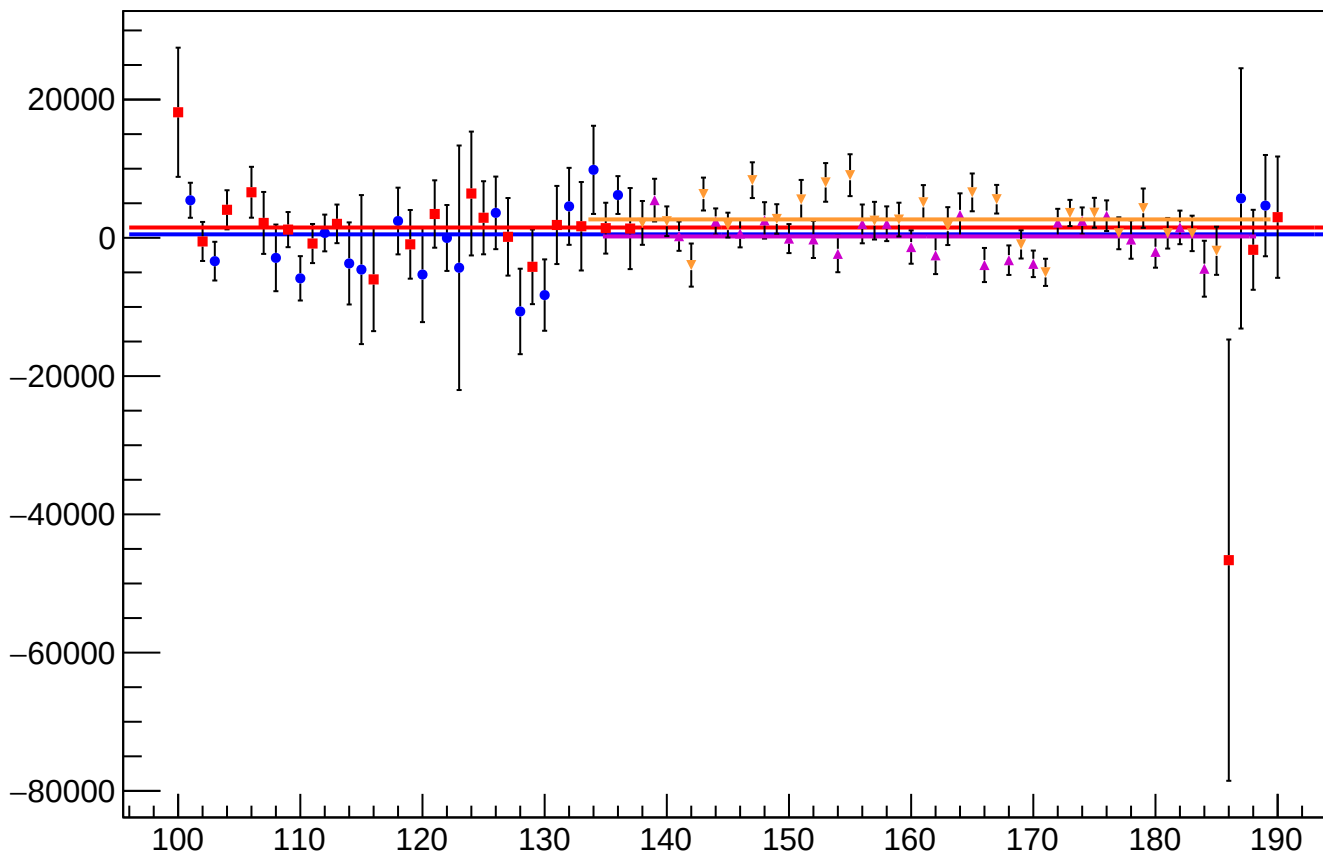
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 839.691 $\pm$ 0.126 χ^2 /NDF: 6322447.4/43

All: 841.773 $\pm$ 0.089 χ^2 /NDF: 13827217.1/80

- sign 843.886 $\pm$ 0.127 χ^2 /NDF: 7504217.5/44

asym_sam4_mean vs Slug



Right In: 502.879 ± 987.548 $\chi^2/\text{NDF}: 25.7/18$

Left Out: 2665.587 ± 479.773 $\chi^2/\text{NDF}: 49.2/24$

Right Out: 1494.550 ± 908.853 $\chi^2/\text{NDF}: 12.7/21$

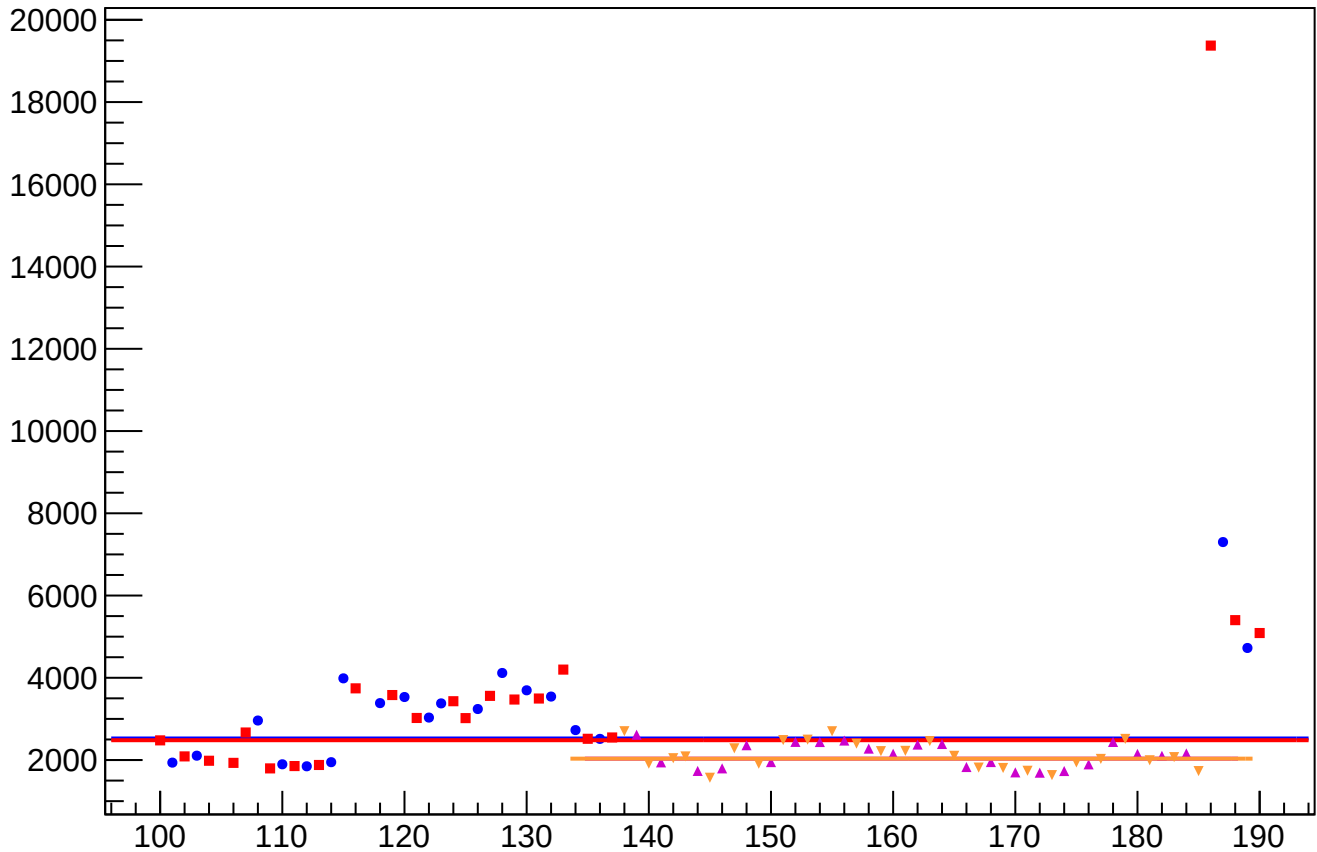
Left In: 199.371 ± 492.082 $\chi^2/\text{NDF}: 25.8/22$

+ sign 2252.610 ± 431.542 $\chi^2/\text{NDF}: 78.8/43$

All: 1375.207 ± 305.564 $\chi^2/\text{NDF}: 127.2/88$

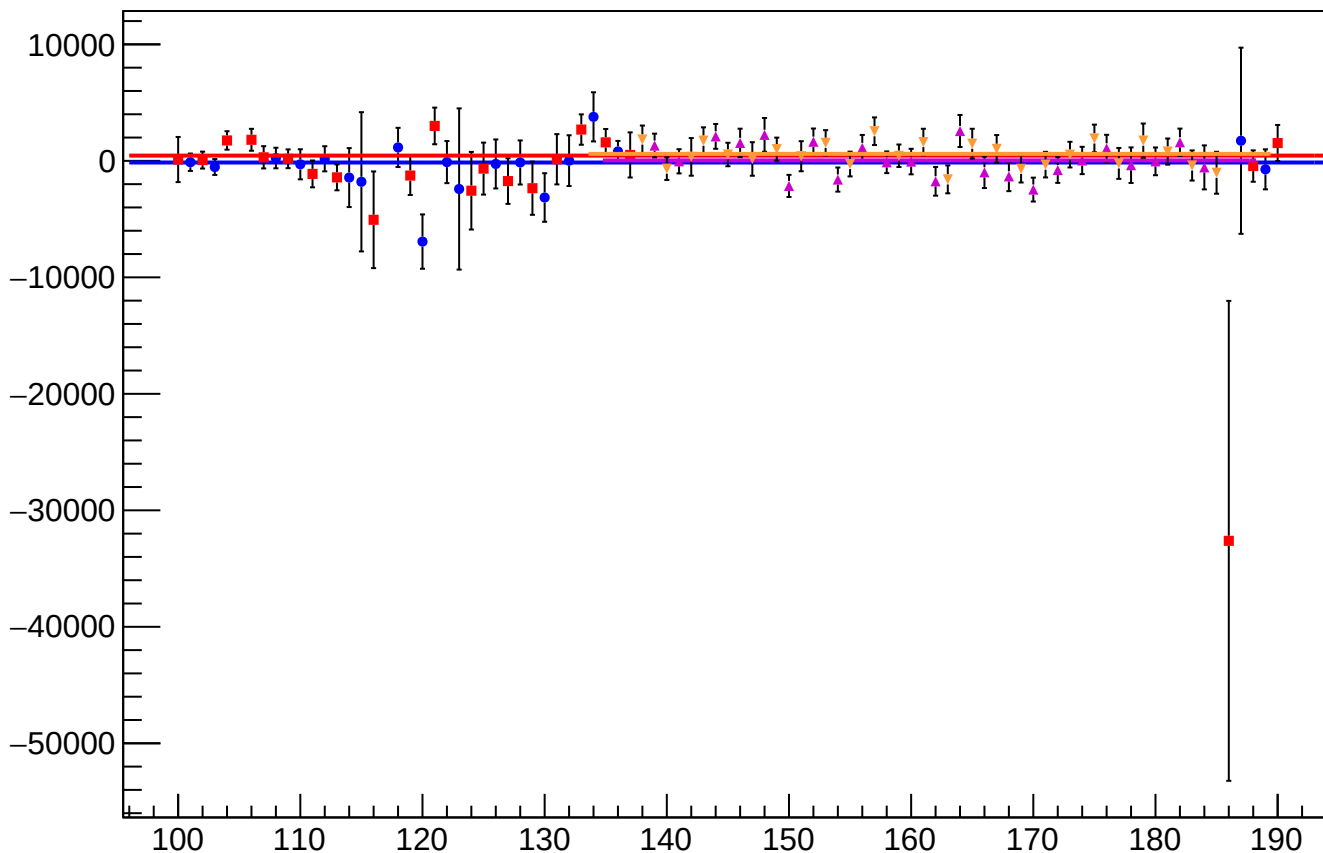
- sign 492.980 ± 432.726 $\chi^2/\text{NDF}: 40.1/44$

asym_sam4_rms vs Slug



Right In: 2523.531 $\pm$ 0.698 χ^2 /NDF: 1215492.1/18 + sign 2126.941 $\pm$ 0.305 χ^2 /NDF: 2438232.1/43
 Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24 All: 2130.705 $\pm$ 0.216 χ^2 /NDF: 5774249.8/88
 Right Out: 2481.874 $\pm$ 0.643 χ^2 /NDF: 2305106.3/21 - sign 2134.490 $\pm$ 0.306 χ^2 /NDF: 3335712.6/44
 Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

asym_sam5_mean vs Slug



Right In: -141.065 ± 308.398 χ^2/NDF : 17.0/18

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 451.360 ± 272.745 χ^2/NDF : 26.6/21

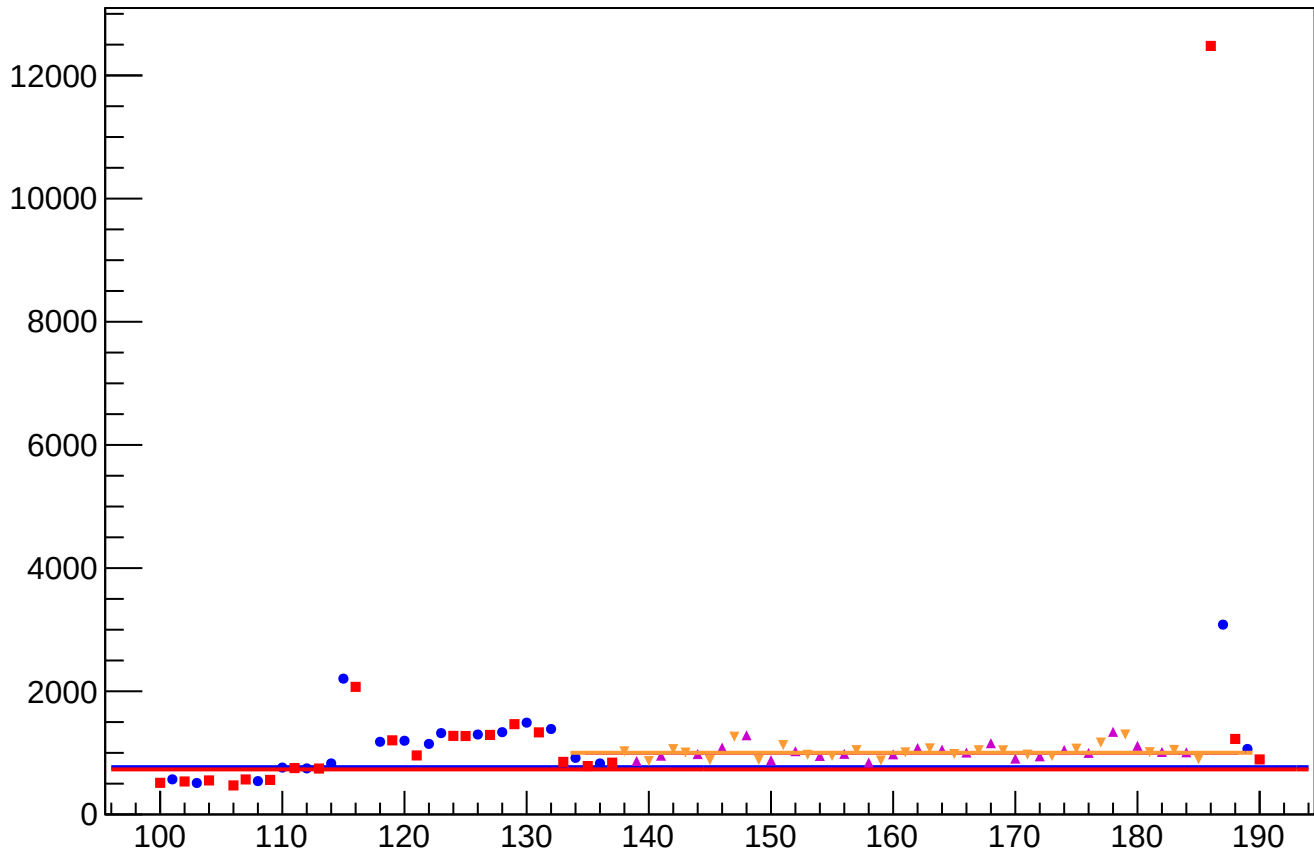
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 327.821 ± 186.901 χ^2/NDF : 39.1/43

All: 272.593 ± 129.843 χ^2/NDF : 103.5/88

- sign 221.072 ± 180.517 χ^2/NDF : 64.2/44

asym_sam5_rms vs Slug



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: 731.504 $\pm$ 0.193 χ^2 /NDF: 2652029.1/21

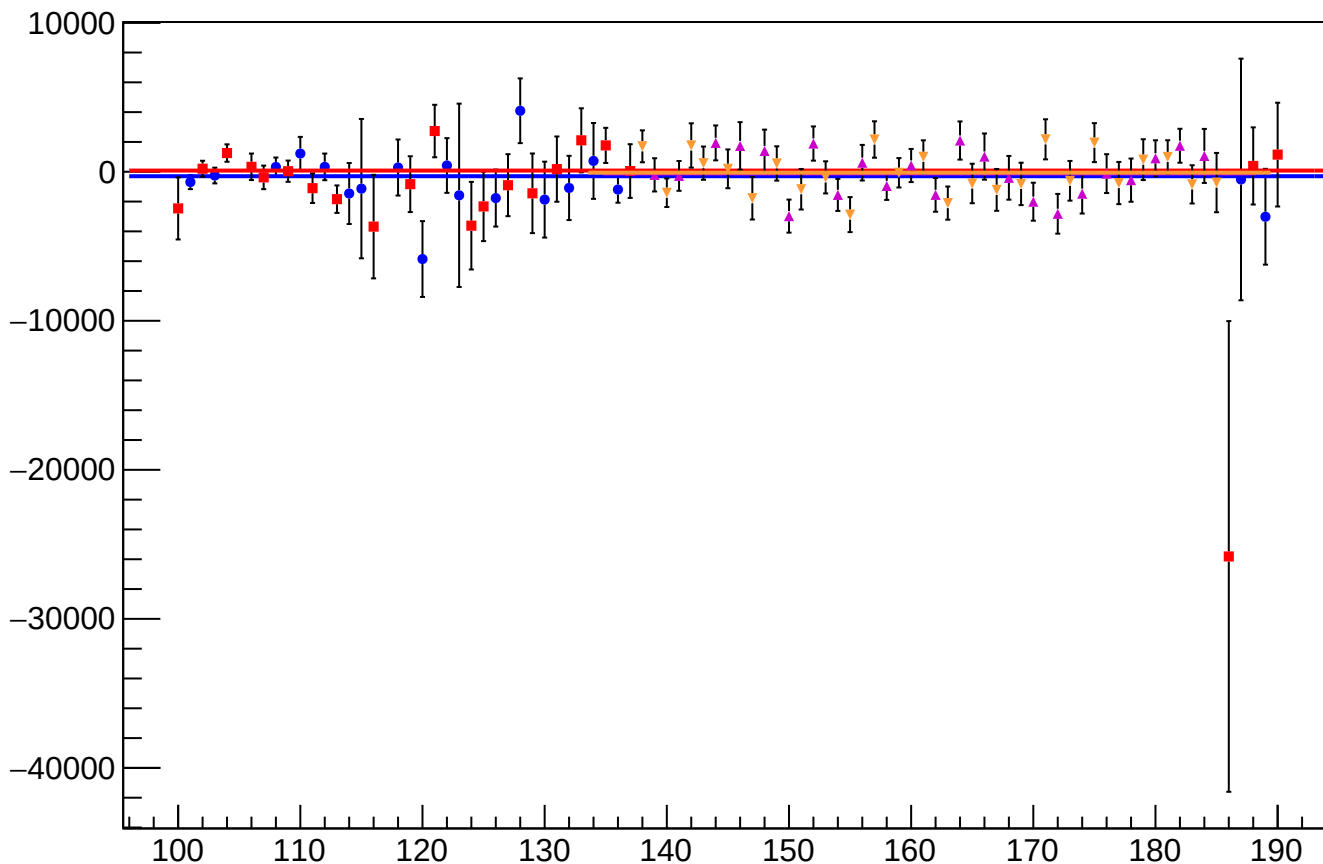
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 915.596 $\pm$ 0.132 χ^2 /NDF: 3017632.4/43

All: 897.847 $\pm$ 0.092 χ^2 /NDF: 7182570.6/88

- sign 881.290 $\pm$ 0.128 χ^2 /NDF: 4130075.4/44

asym_sam6_mean vs Slug



Right In: -299.920 ± 249.805 χ^2/NDF : 16.5/18

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: 79.456 ± 244.470 χ^2/NDF : 24.4/21

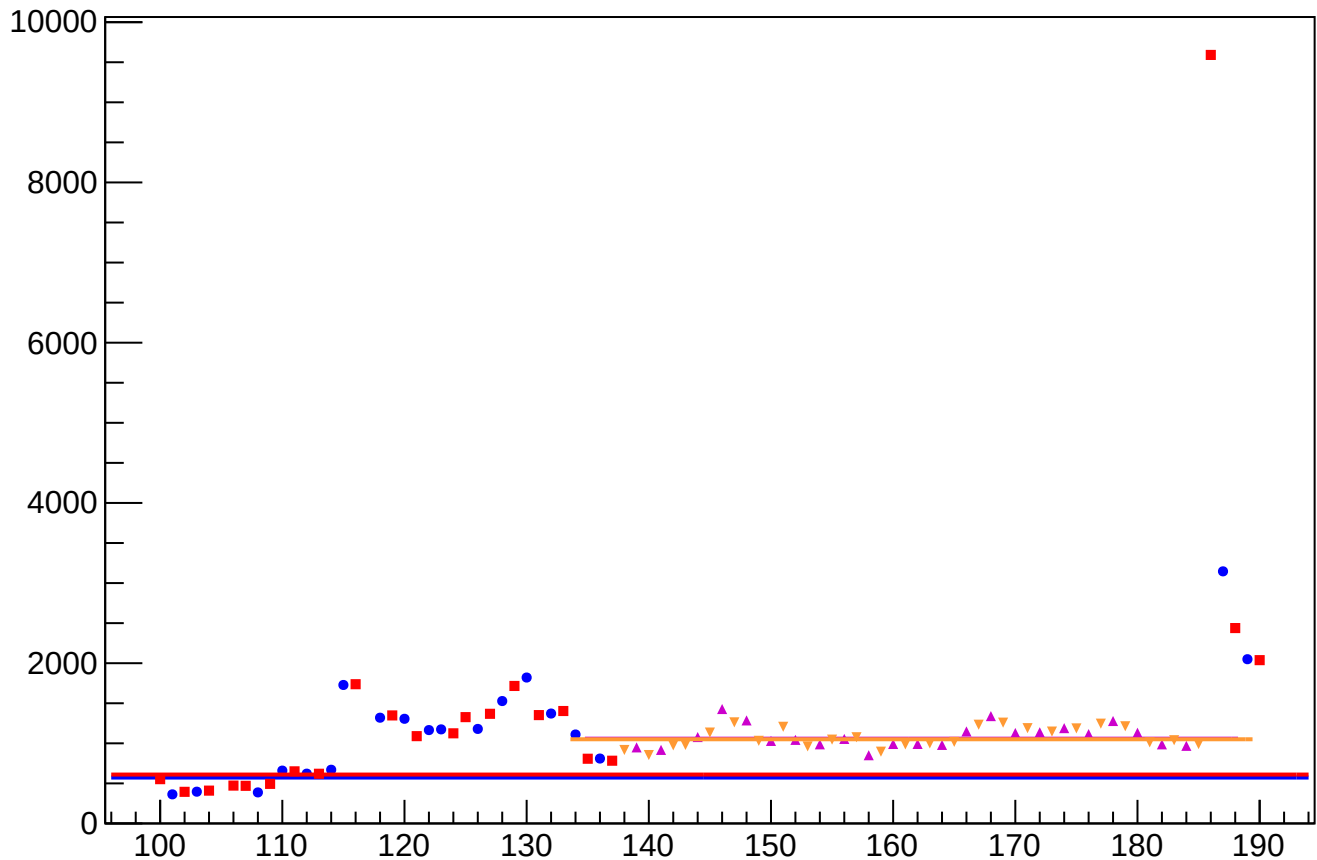
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -178.276 ± 175.460 χ^2/NDF : 48.0/43

All: -95.816 ± 124.472 χ^2/NDF : 107.9/88

- sign -12.274 ± 176.607 χ^2/NDF : 59.5/44

asym_sam6_rms vs Slug



Right In: 572.766+/-0.177 χ^2/NDF : 3839440.3/18

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 610.207+/-0.173 χ^2/NDF : 4816587.6/21

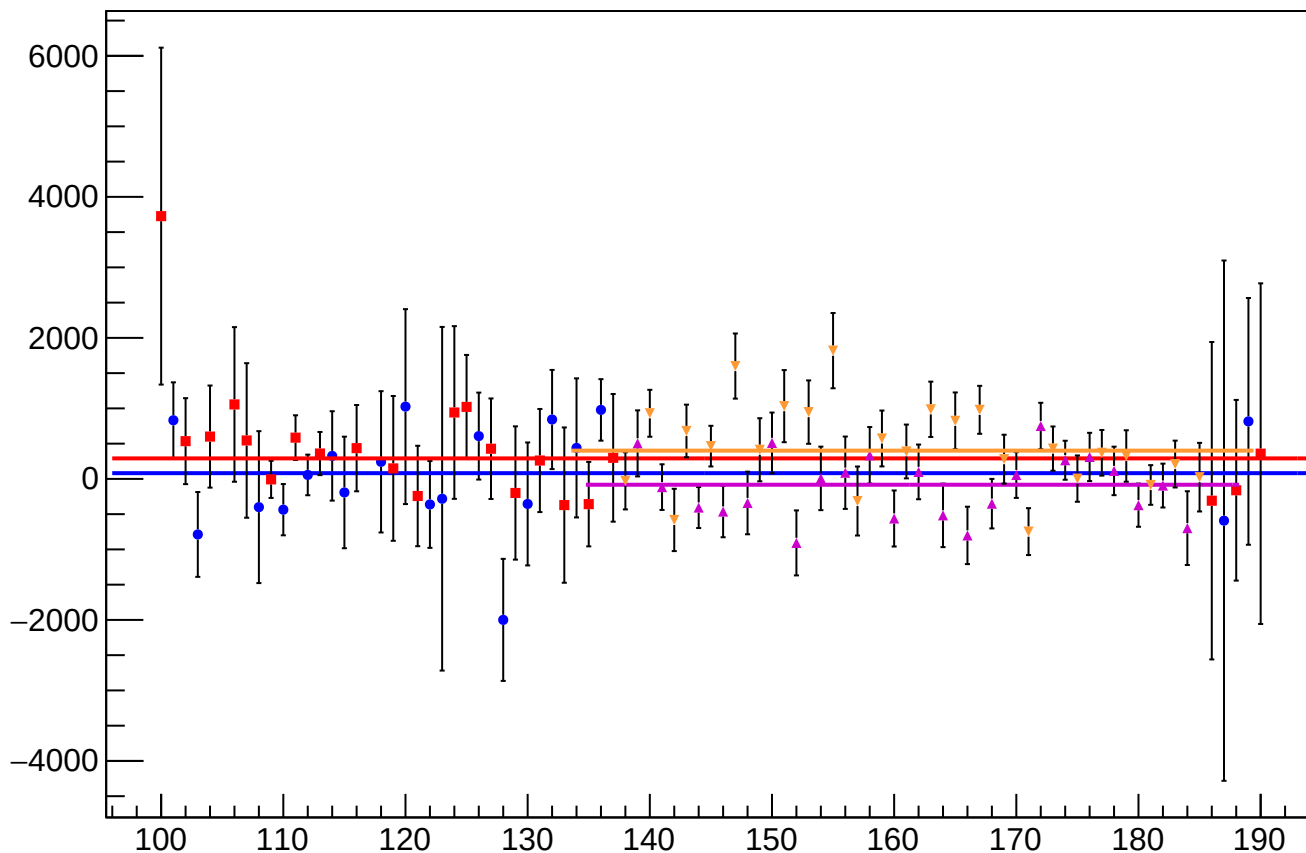
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 814.887+/-0.124 χ^2/NDF : 8030933.6/43

All: 819.590+/-0.088 χ^2/NDF : 16588689.8/80

- sign 824.355+/-0.125 χ^2/NDF : 8554863.2/44

asym_sam7_mean vs Slug



Right In: 81.325 ± 142.685 χ^2/NDF : 20.1/18

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 290.768 ± 128.757 χ^2/NDF : 9.1/21

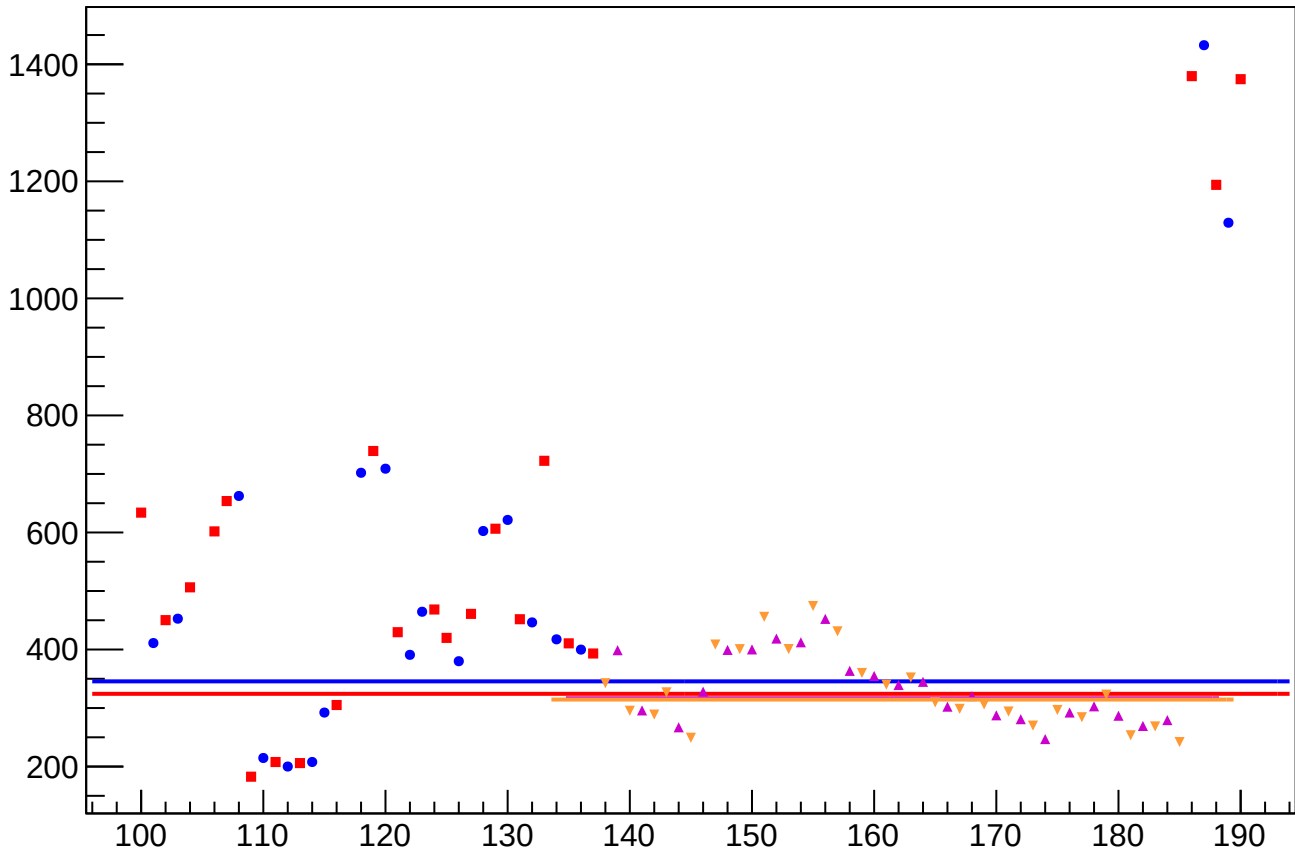
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 332.443 ± 66.072 χ^2/NDF : 76.1/43

All: 173.785 ± 46.703 χ^2/NDF : 131.9/88

- sign 15.360 ± 66.024 χ^2/NDF : 44.3/44

asym_sam7_rms vs Slug



Right In: 345.598 $\pm$ 0.101 χ^2 /NDF: 2586952.6/18

Left Out: 314.538 $\pm$ 0.053 χ^2 /NDF:1112445.6/24

Right Out: 324.304 $\pm$ 0.091 χ^2 /NDF: 4500384.0/21

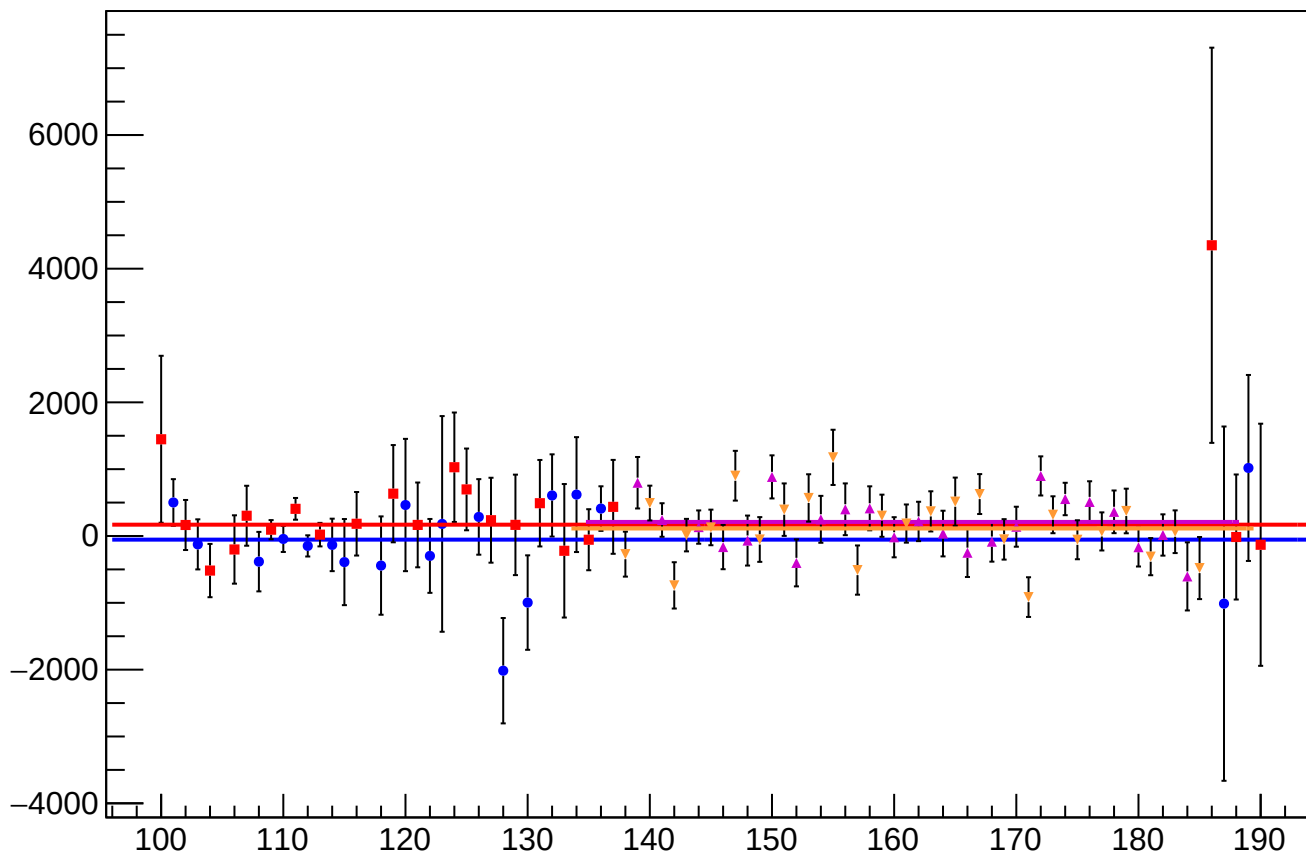
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF:920874.0/22

+ sign 321.198 $\pm$ 0.047 χ^2 /NDF: 3773848.3/43

All: 319.928 $\pm$ 0.033 χ^2 /NDF: 9201797.0/88

- sign 318.660 $\pm$ 0.047 χ^2 /NDF: 5426471.9/44

asym_sam8_mean vs Slug



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: 169.365 ± 76.614 χ^2/NDF : 12.9/21

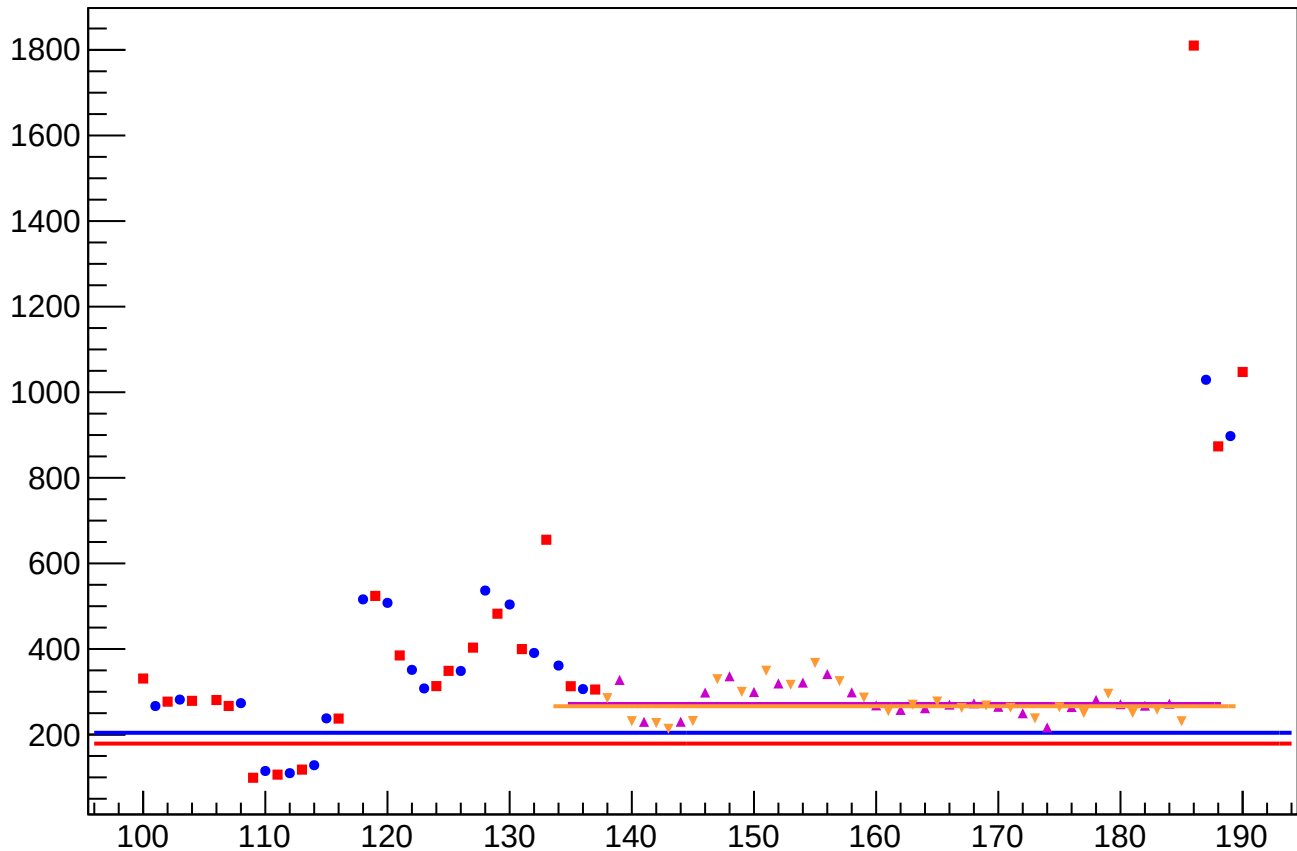
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 58.216 ± 51.498 χ^2/NDF : 68.8/43

All: 127.932 ± 35.796 χ^2/NDF : 114.5/88

- sign 193.100 ± 49.790 χ^2/NDF : 42.2/44

asym_sam8_rms vs Slug



Right In: 204.194 $\pm$ 0.064 χ^2 /NDF: 4075775.4/18

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 178.921 $\pm$ 0.054 χ^2 /NDF: 6272392.5/21

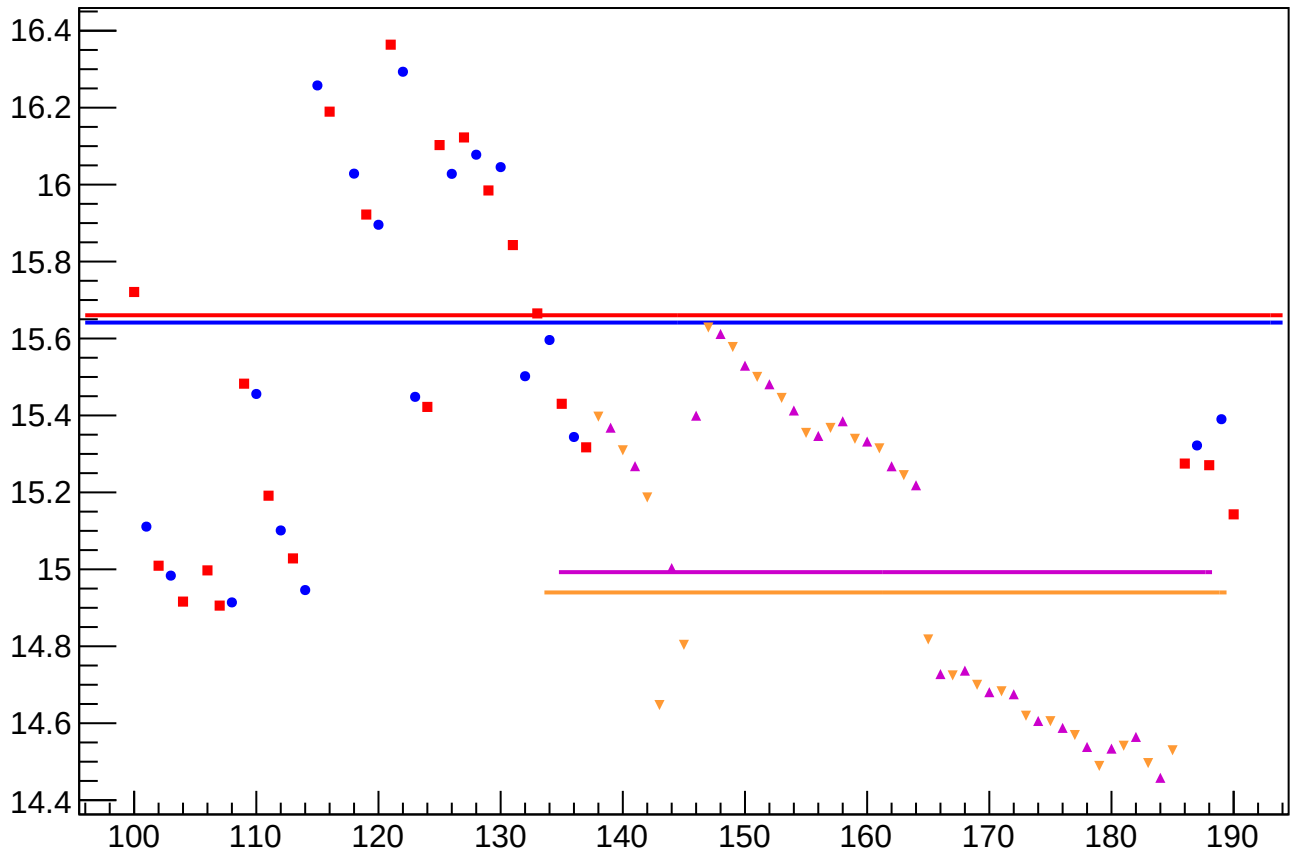
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 246.104 $\pm$ 0.036 χ^2 /NDF: 5360761.7/43

All: 238.996 $\pm$ 0.025 χ^2 /NDF: 13912612.7/80

- sign 232.350 $\pm$ 0.035 χ^2 /NDF: 8478115.7/44

yield_sam1_mean vs Slug



Right In: 15.641 $\pm$ 0.000 χ^2 /NDF: 5502660170.8/18

Left Out: 14.940 $\pm$ 0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.660 $\pm$ 0.000 χ^2 /NDF: 5684517269.9/21

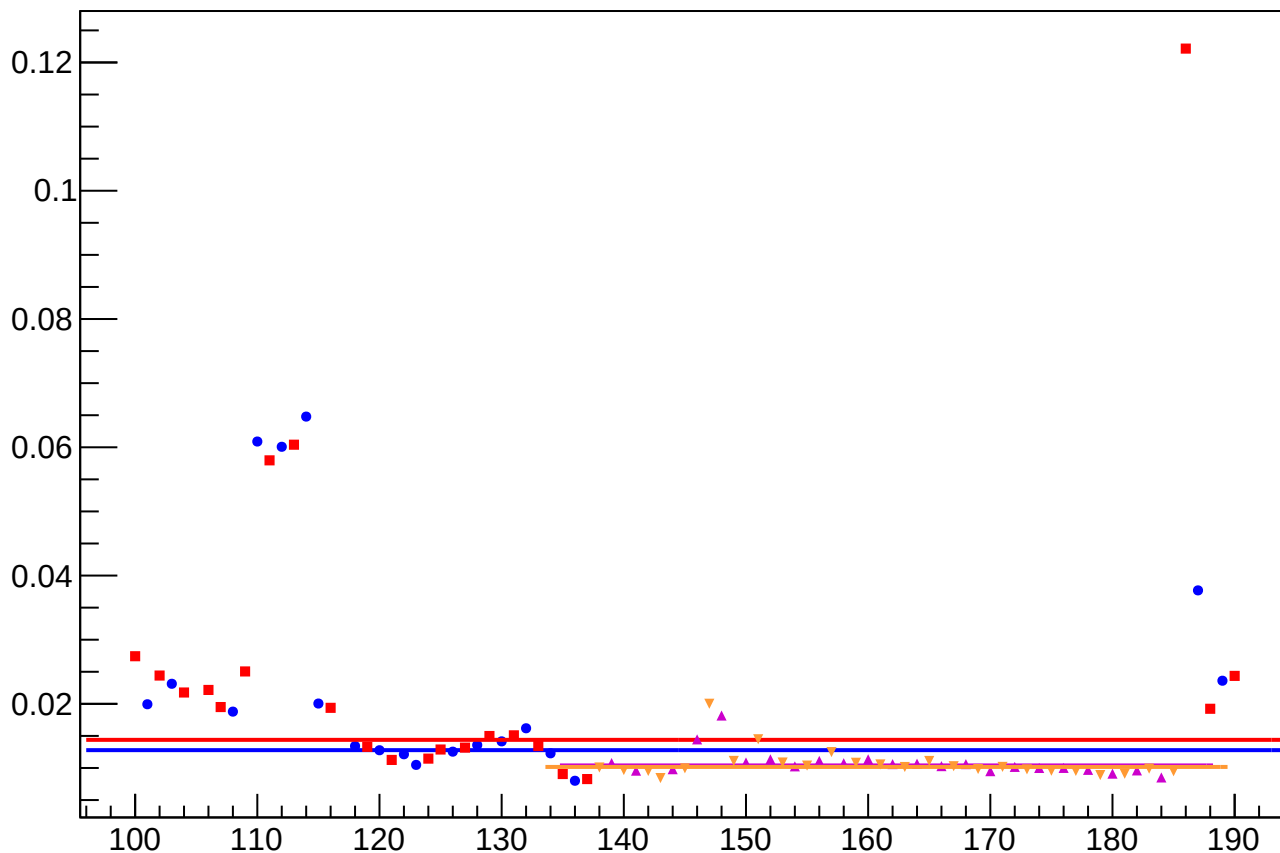
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 15.058 $\pm$ 0.000 χ^2 /NDF: 43579399303.6/43

All: 15.082 $\pm$ 0.000 χ^2 /NDF: 83225437823.0

- sign 15.108 $\pm$ 0.000 χ^2 /NDF: 39408862600.0/44

yield_sam1_rms vs Slug



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 : 2881348.5/21

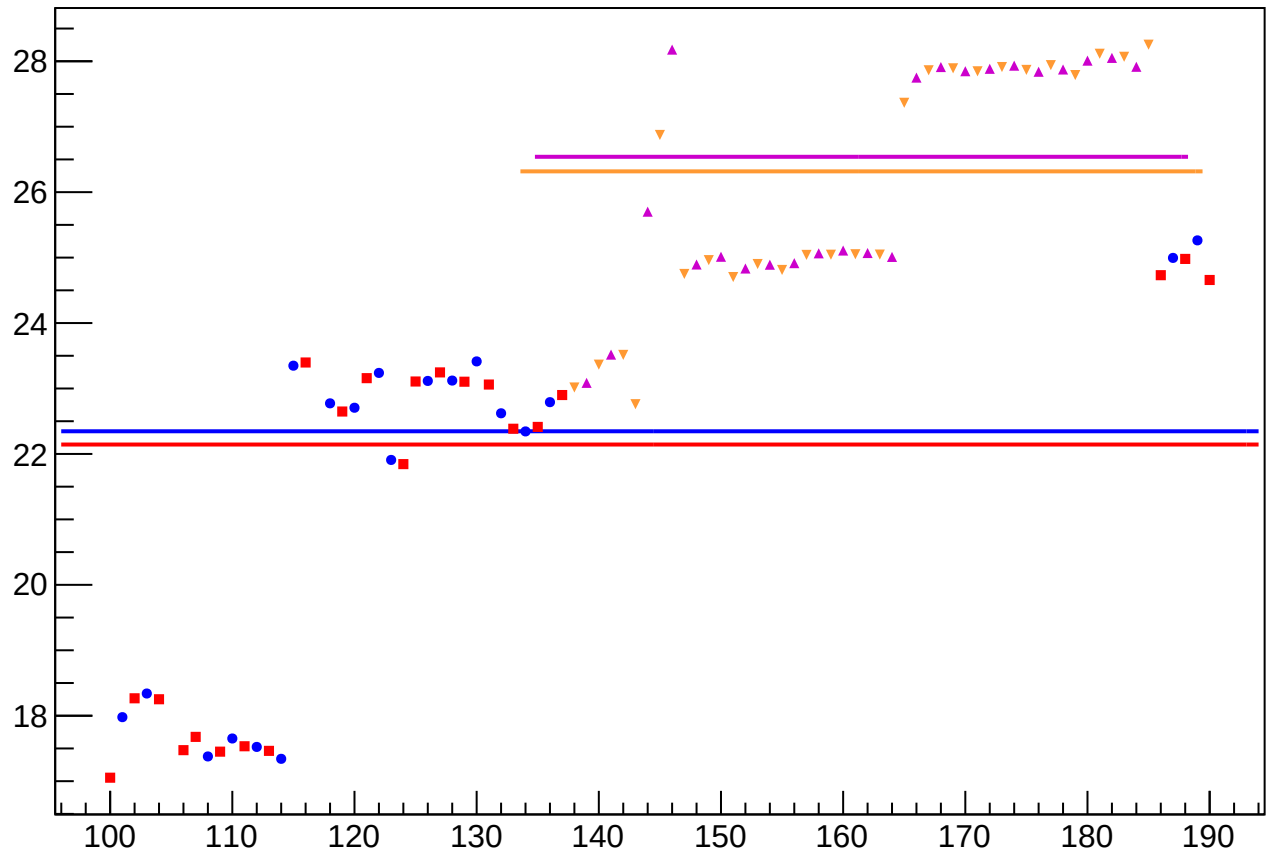
Left In: 0.010+/-0.000 χ^2/NDF : 544268.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 3550546.5/43

All: 0.011+/-0.000 χ^2/NDF : 7855668.8/88

- sign 0.011+/-0.000 χ^2/NDF : 4260721.4/44

yield_sam2_mean vs Slug



Right In: 22.346 $\pm$ 0.000 χ^2 /NDF: 986133887.4/18

Left Out: 26.318 $\pm$ 0.000 χ^2 /NDF: 4715403741.0/24

Right Out: 22.144 $\pm$ 0.000 χ^2 /NDF: 1187027153.4/21

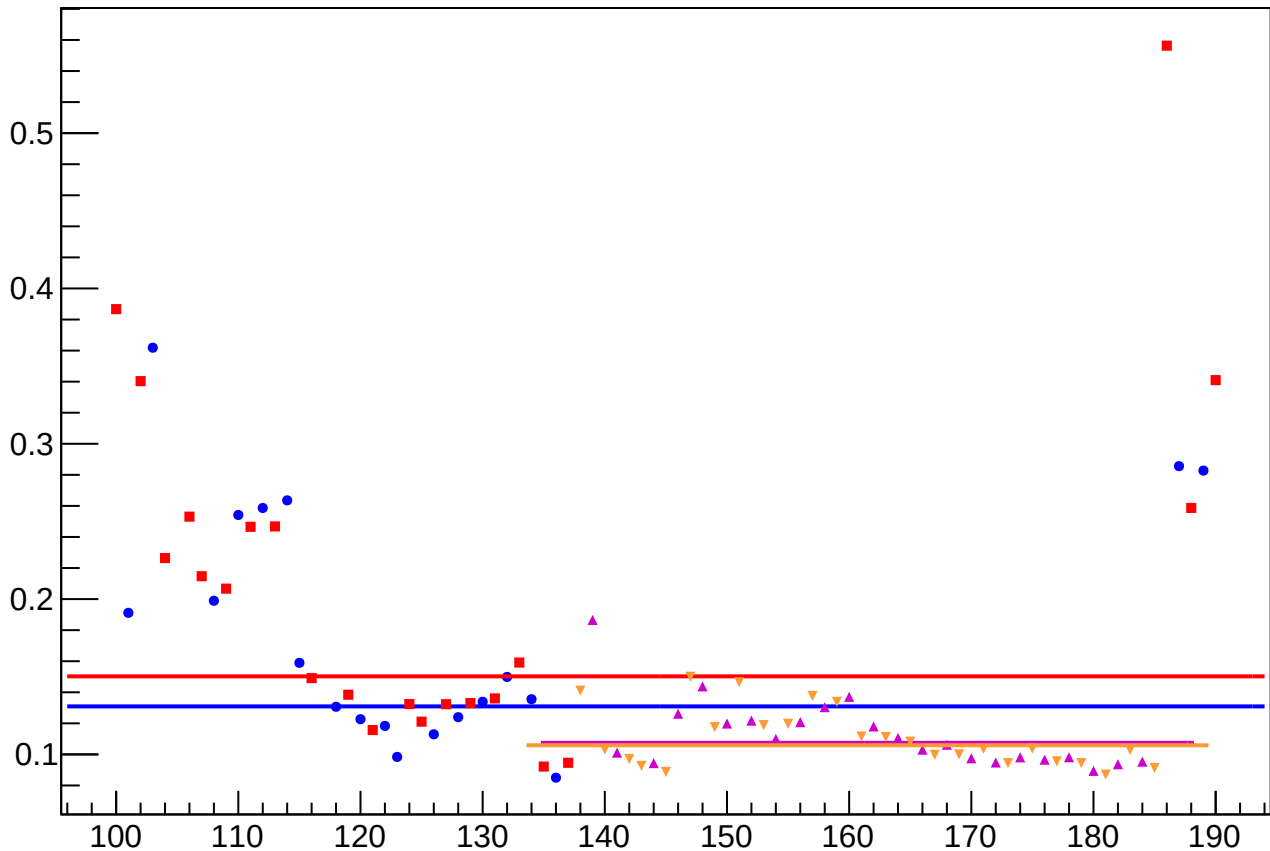
Left In: 26.540 $\pm$ 0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.588 $\pm$ 0.000 χ^2 /NDF: 9786365616.6/43

All: 25.658 $\pm$ 0.000 χ^2 /NDF: 18898842668.8

- sign 25.733 $\pm$ 0.000 χ^2 /NDF: 9095197841.6/44

yield_sam2_rms vs Slug



Right In: 0.131 ± 0.000 $\chi^2/\text{NDF}: 1817472.4/18$

Left Out: 0.106 ± 0.000 $\chi^2/\text{NDF}: 732883.8/24$

Right Out: 0.150 ± 0.000 $\chi^2/\text{NDF}: 2397662.4/21$

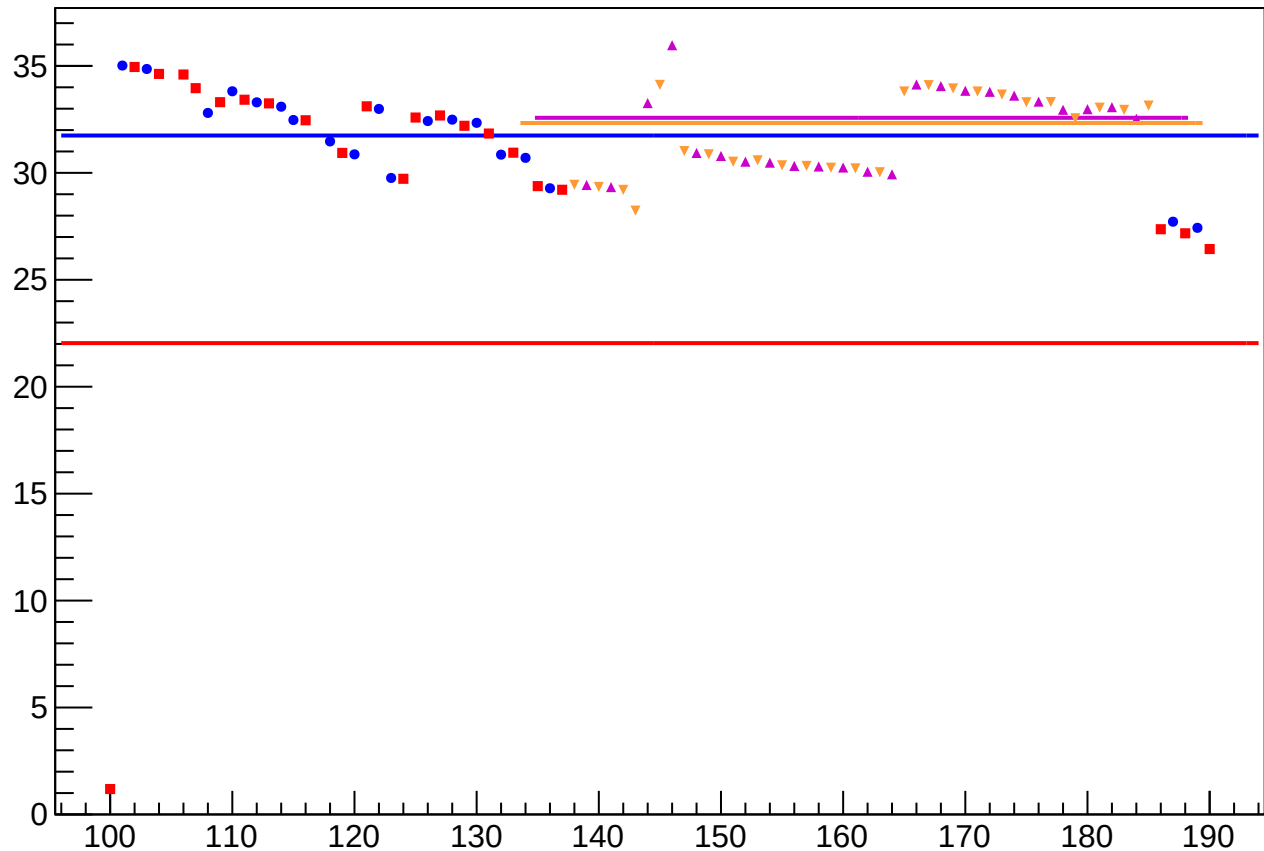
Left In: 0.107 ± 0.000 $\chi^2/\text{NDF}: 771132.0/22$

+ sign 0.110 ± 0.000 $\chi^2/\text{NDF}: 2875028.3/43$

All: 0.113 ± 0.000 $\chi^2/\text{NDF}: 6953905.9/88$

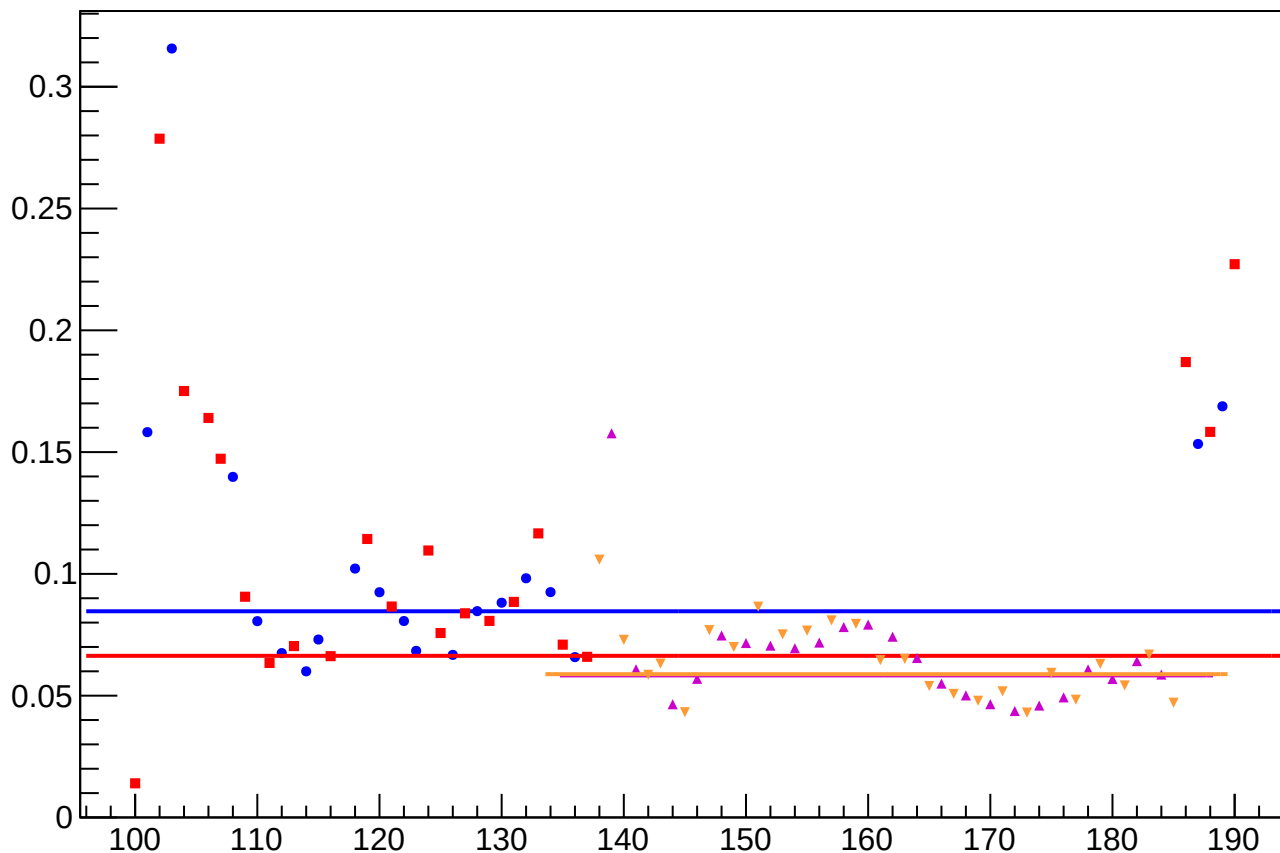
- sign 0.115 ± 0.000 $\chi^2/\text{NDF}: 4040008.4/44$

yield_sam3_mean vs Slug



Right In: 31.746 $\pm$ 0.000	χ^2 /NDF: 2264642334.6/18	+ sign 32.242 $\pm$ 0.000	χ^2 /NDF: 15329231730.1/43
Left Out: 32.331 $\pm$ 0.000	χ^2 /NDF: 12850475096.2/24	All: 31.225 $\pm$ 0.000	χ^2 /NDF: 363298435051.1
Right Out: 22.039 $\pm$ 0.000	χ^2 /NDF: 230314509214.8/21	- sign 30.248 $\pm$ 0.000	χ^2 /NDF: 338168142711.1/44
Left In: 32.574 $\pm$ 0.000	χ^2 /NDF: 11797772603.7/22		

yield_sam3_rms vs Slug



Right In: 0.085 $\pm$ 0.000 χ^2 /NDF: 1440250.9/18

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.066 $\pm$ 0.000 χ^2 /NDF: 4867779.4/21

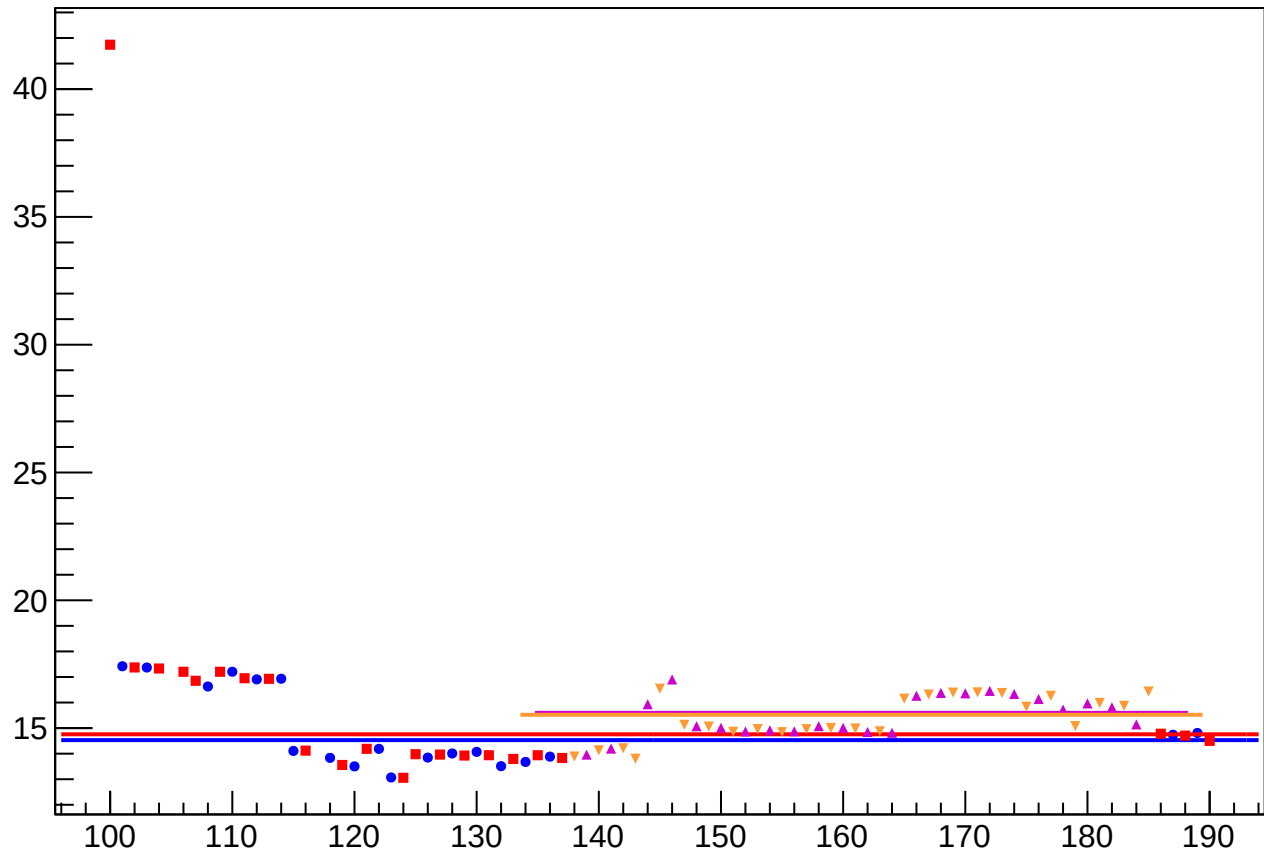
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.063 $\pm$ 0.000 χ^2 /NDF: 3676642.9/43

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 10217266.9/88

- sign 0.060 $\pm$ 0.000 χ^2 /NDF: 6505226.7/44

yield_sam4_mean vs Slug



Right In: 14.530+/-0.000 χ^2/NDF : 1486699613.9/18

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.757+/-0.000 χ^2/NDF : 1903682383.8/21

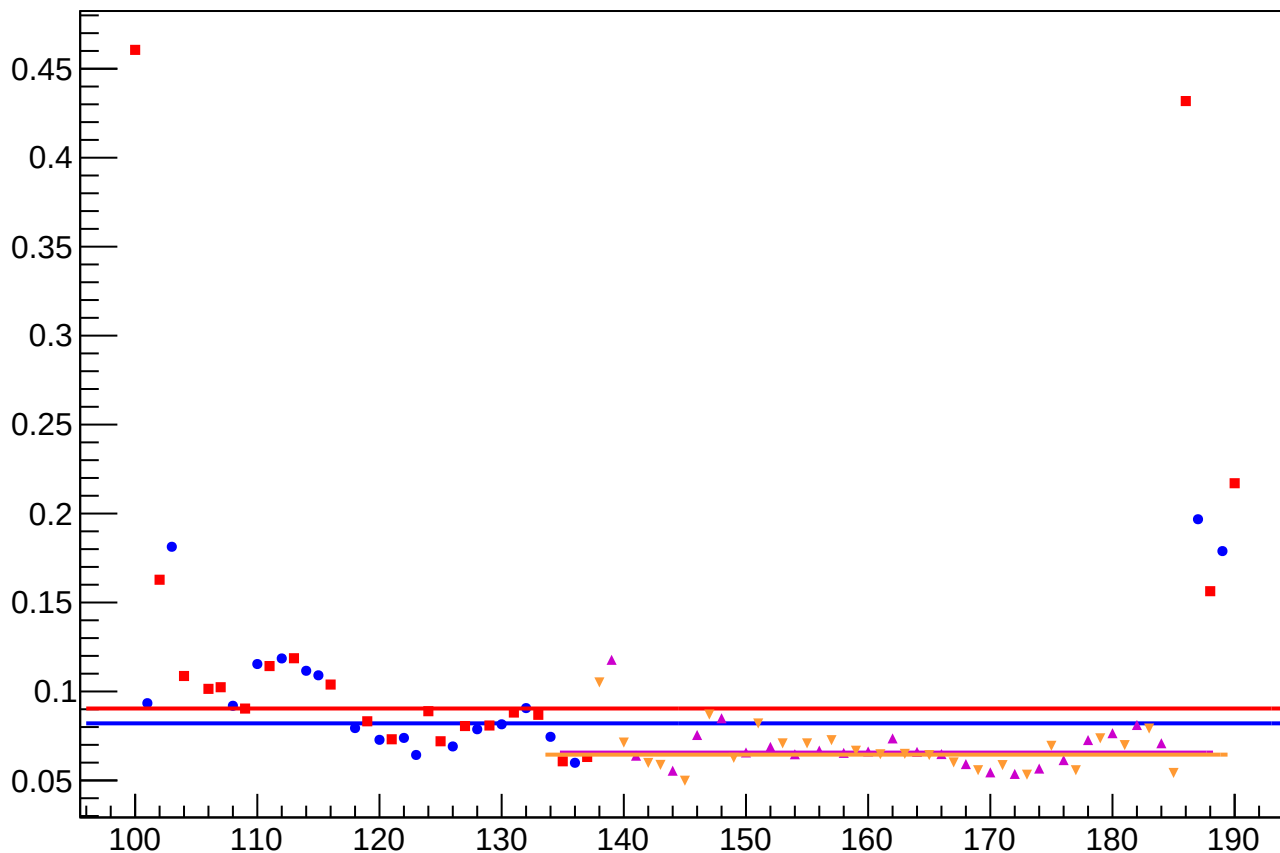
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.333+/-0.000 χ^2/NDF : 4775671631.3/43

All: 15.380+/-0.000 χ^2/NDF : 9085116007.3/8

- sign 15.430+/-0.000 χ^2/NDF : 4288703061.4/44

yield_sam4_rms vs Slug



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1124682.1/18

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 1768715.9/21

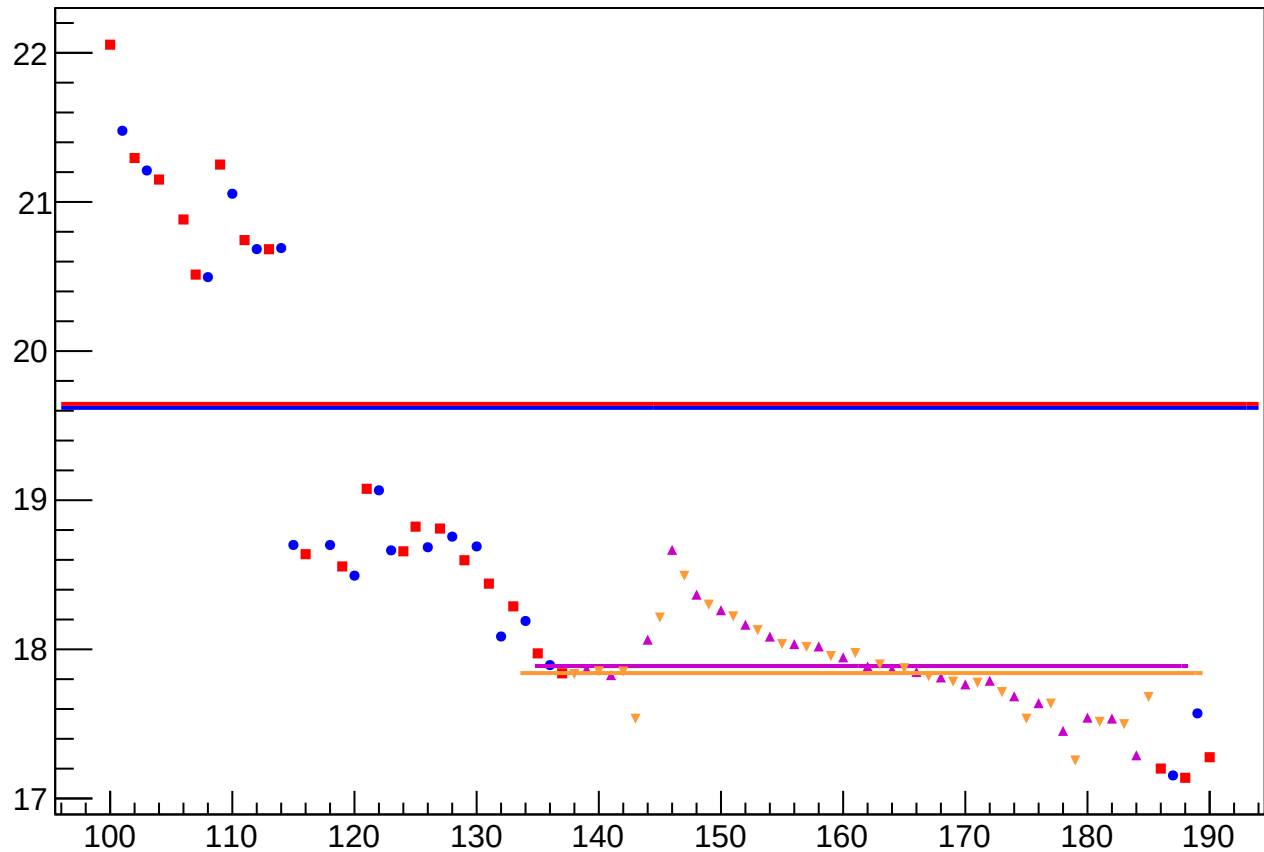
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.068 $\pm$ 0.000 χ^2 /NDF: 2324980.9/43

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 5674006.5/88

- sign 0.071 $\pm$ 0.000 χ^2 /NDF: 3316319.5/44

yield_sam5_mean vs Slug



Right In: 19.619+/-0.000 χ^2/NDF : 13097792466.1/18

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 19.646+/-0.000 χ^2/NDF : 15142022527.0/21

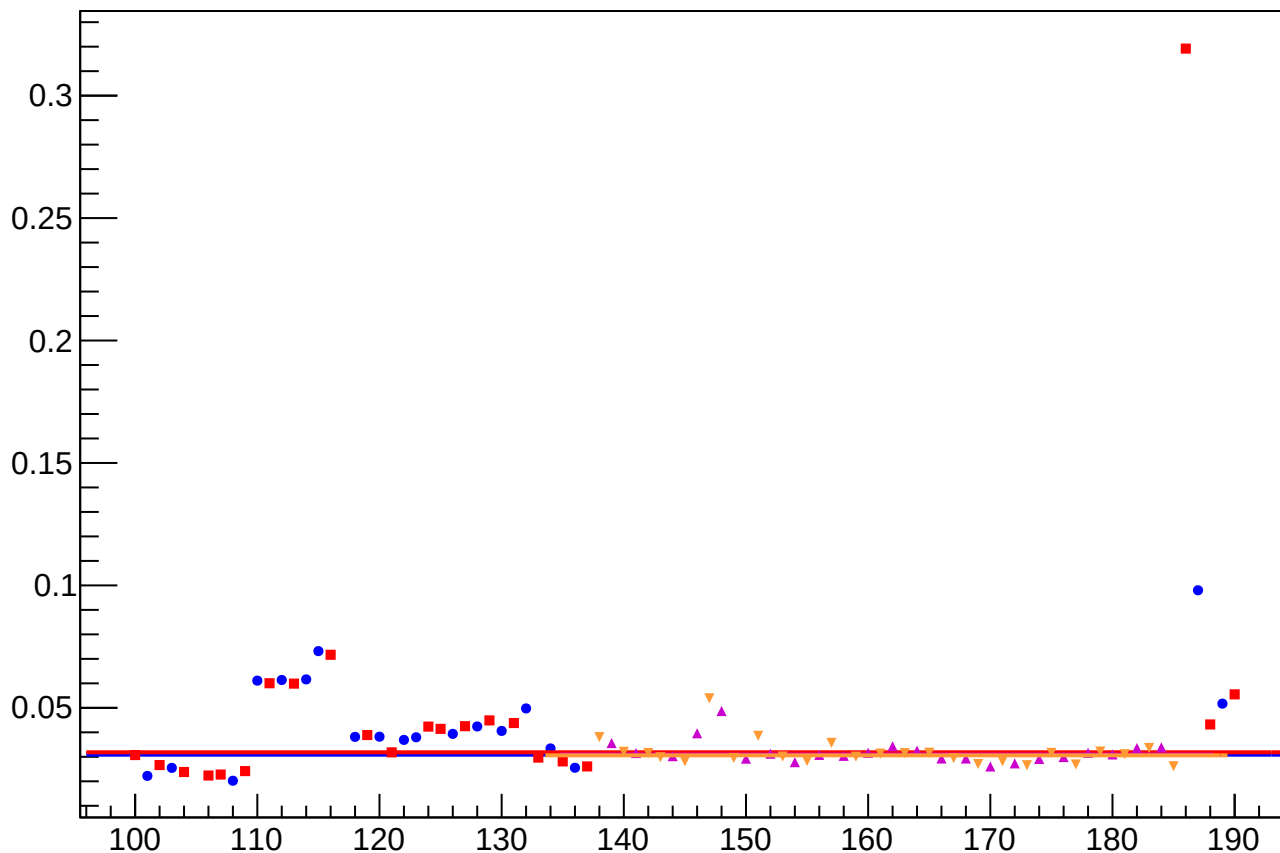
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.289+/-0.000 χ^2/NDF : 29218392142.7/43

All: 18.337+/-0.000 χ^2/NDF : 60899343944.0

- sign 18.387+/-0.000 χ^2/NDF : 31562329161.7/44

yield_sam5_rms vs Slug



Right In: 0.031 $\pm$ 0.000 χ^2 /NDF: 1587196.9/18

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 2011152.8/21

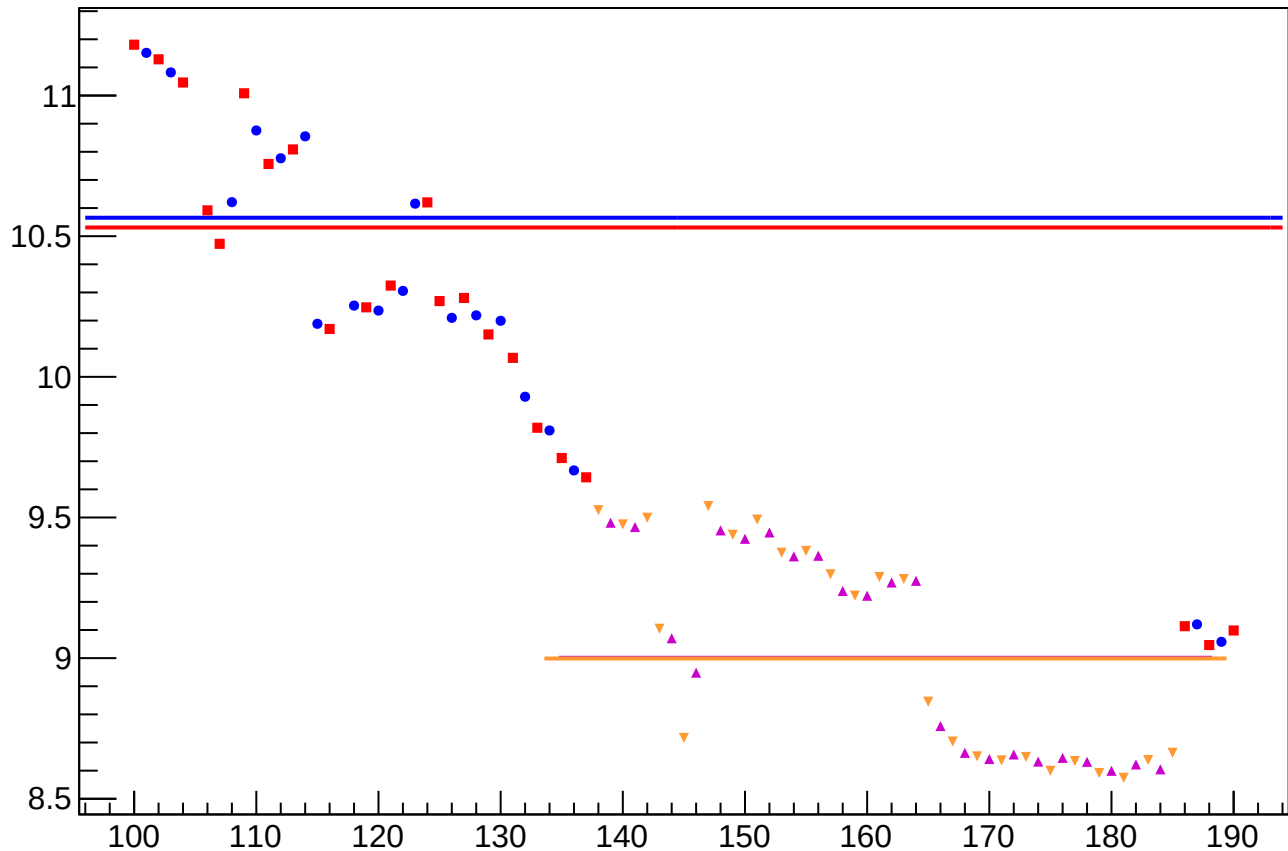
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2178343.5/43

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 4658079.7/88

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2473655.2/44

yield_sam6_mean vs Slug



Right In: 10.566 $\pm$ 0.000 χ^2 /NDF: 8137670605.9/18

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.531 $\pm$ 0.000 χ^2 /NDF: 7578336640.5/21

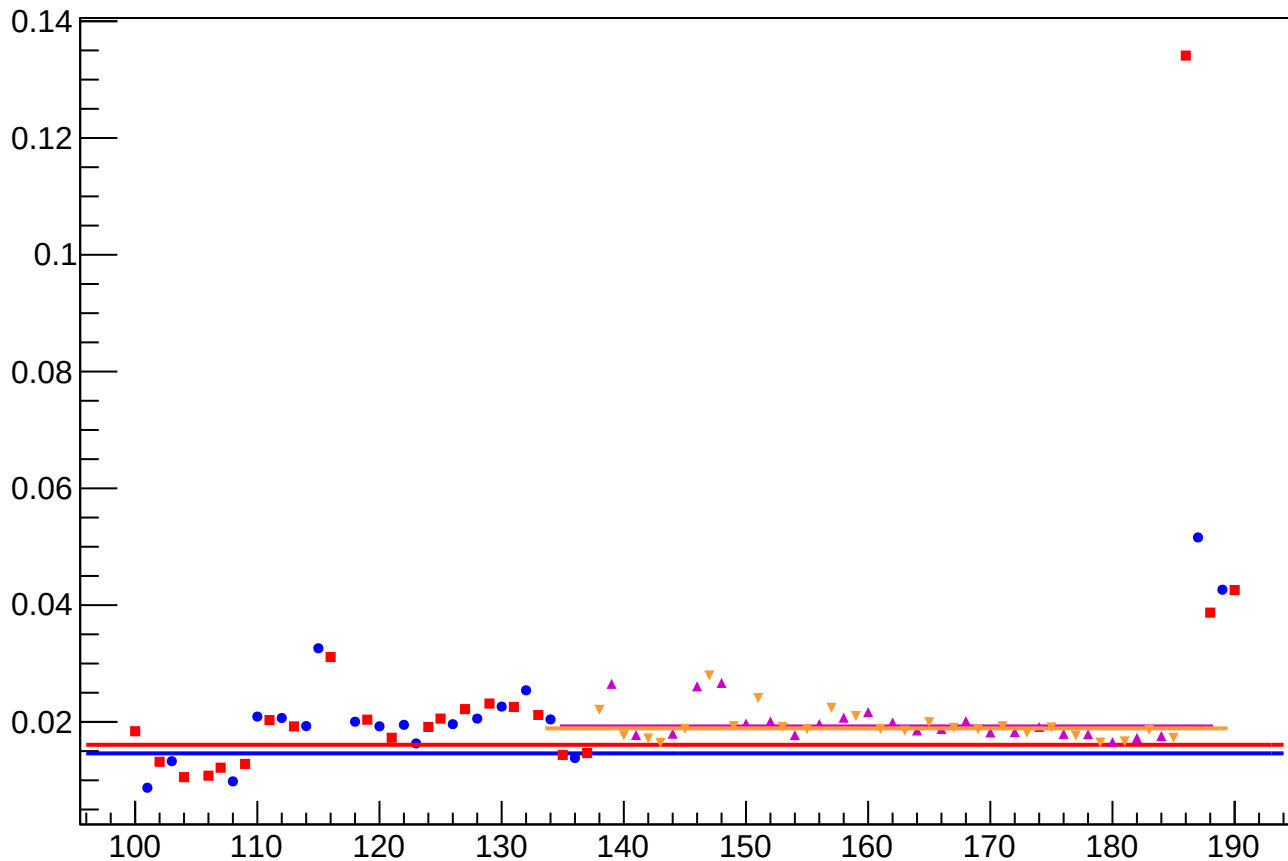
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.561 $\pm$ 0.000 χ^2 /NDF: 55940405587.0/43

All: 9.570 $\pm$ 0.000 χ^2 /NDF: 106712485675.7

- sign 9.580 $\pm$ 0.000 χ^2 /NDF: 50760251143.9/44

yield_sam6_rms vs Slug



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 : 2431077.5/21

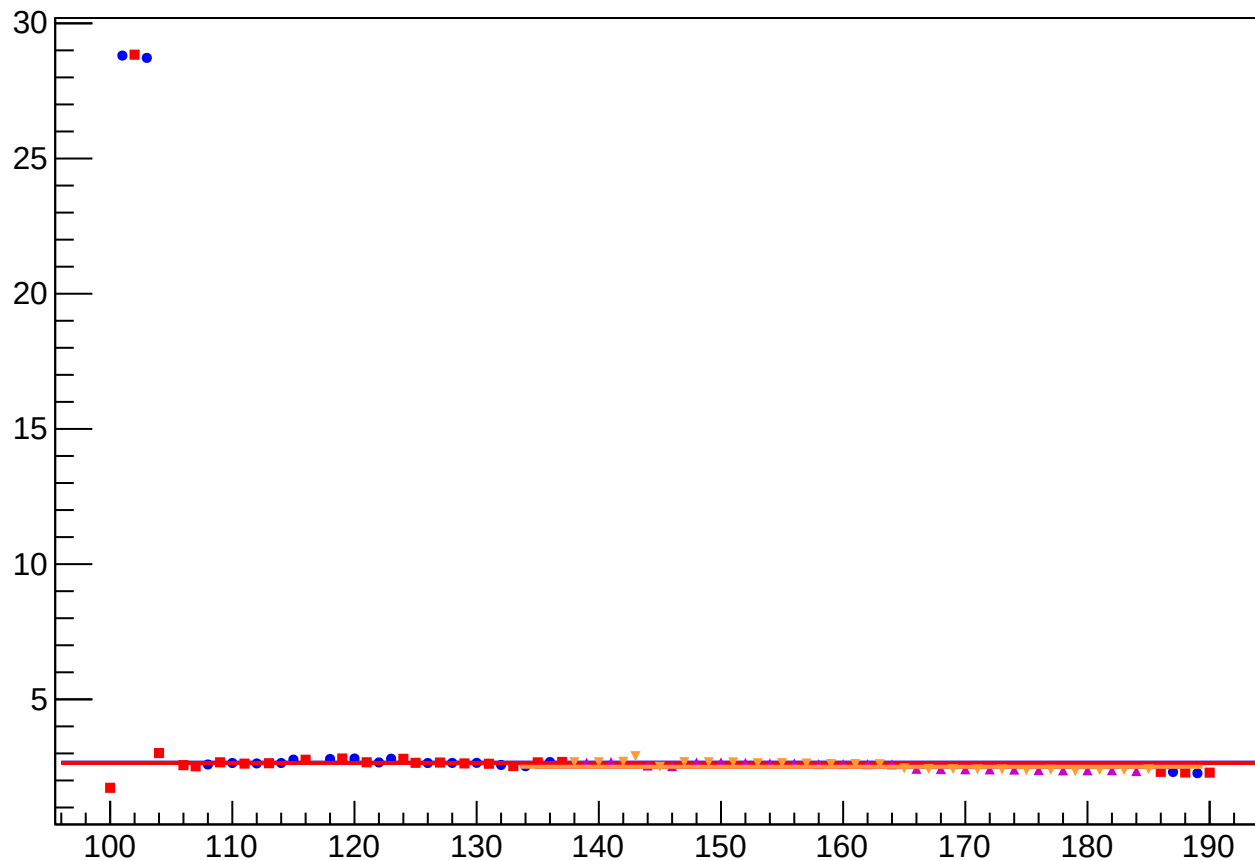
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.017+/-0.000 χ^2/NDF : 2963083.0/43

All: 0.018+/-0.000 χ^2/NDF : 6228468.7/88

- sign 0.018+/-0.000 χ^2/NDF : 3232833.6/44

yield_sam7_mean vs Slug



Right In: 2.659 $\pm$ 0.000 χ^2 /NDF: 165912511284.9/18

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.648 $\pm$ 0.000 χ^2 /NDF: 77221742565.1/21

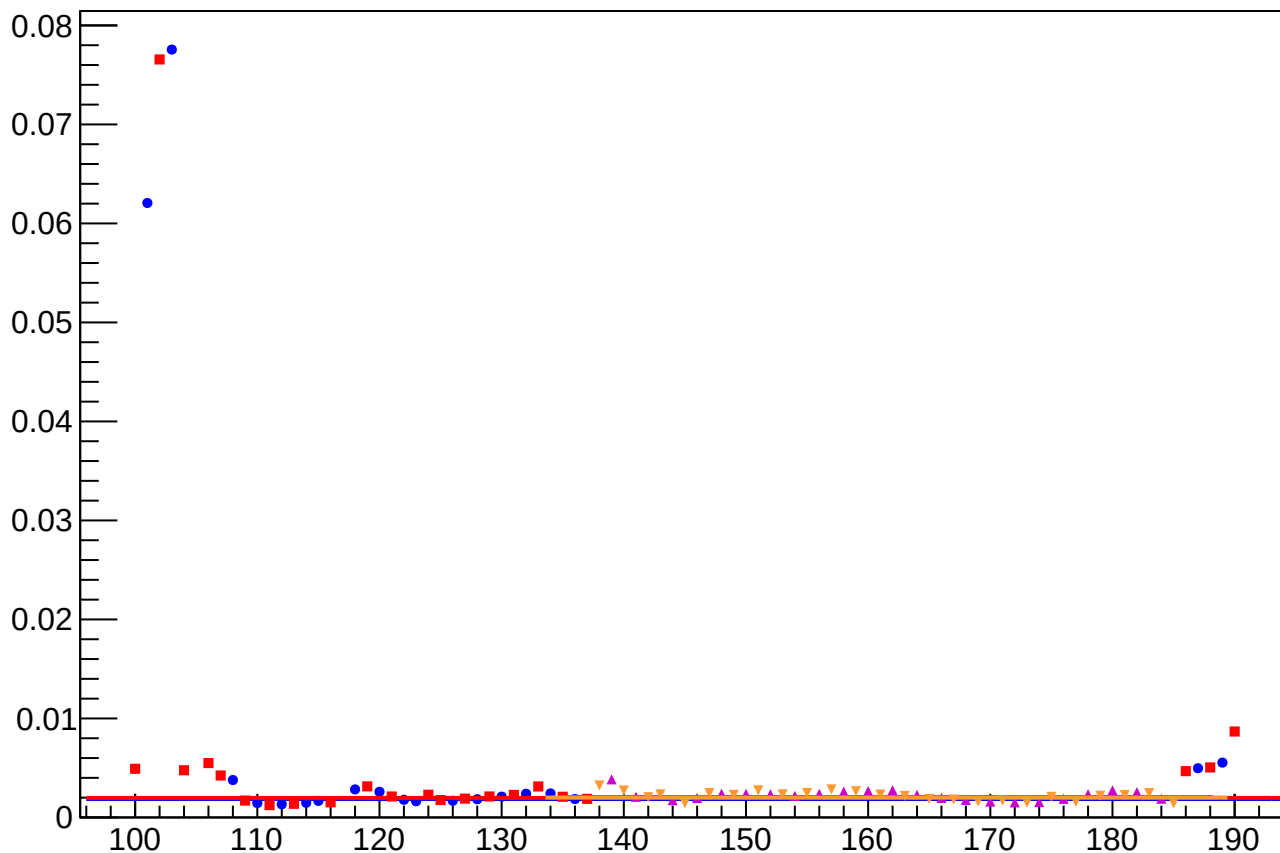
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.548 $\pm$ 0.000 χ^2 /NDF: 253122523505.2/43

All: 2.548 $\pm$ 0.000 χ^2 /NDF: 393748000450.0

- sign 2.549 $\pm$ 0.000 χ^2 /NDF: 140622836509.3/44

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3124003.6/18

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3641503.7/21

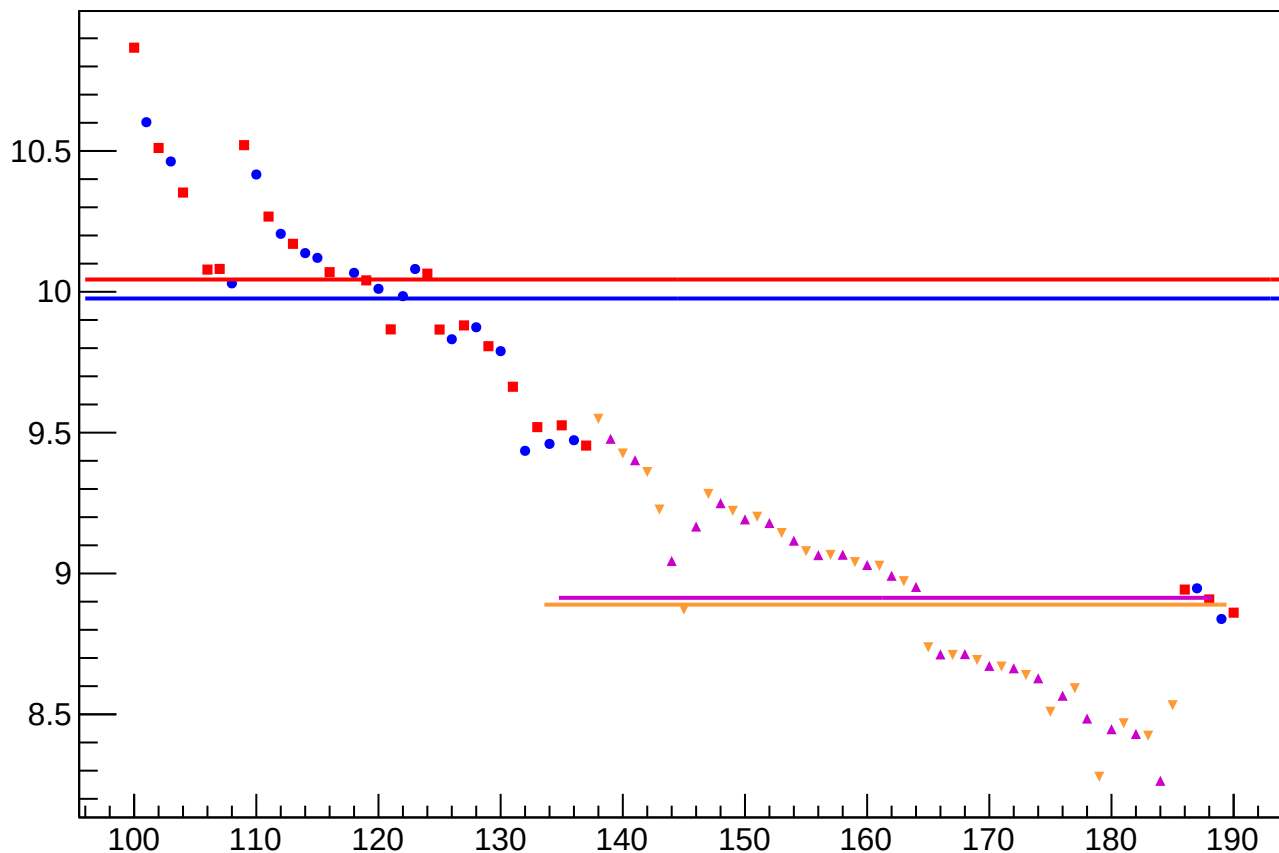
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4632554.4/43

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 9612550.2/88

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4959775.7/44

yield_sam8_mean vs Slug



Right In: 9.976 $\pm$ 0.000 χ^2 /NDF: 21519240033.9/18

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF:34704694045.9/24

Right Out: 10.044 $\pm$ 0.000 χ^2 /NDF: 23170218027.0/21

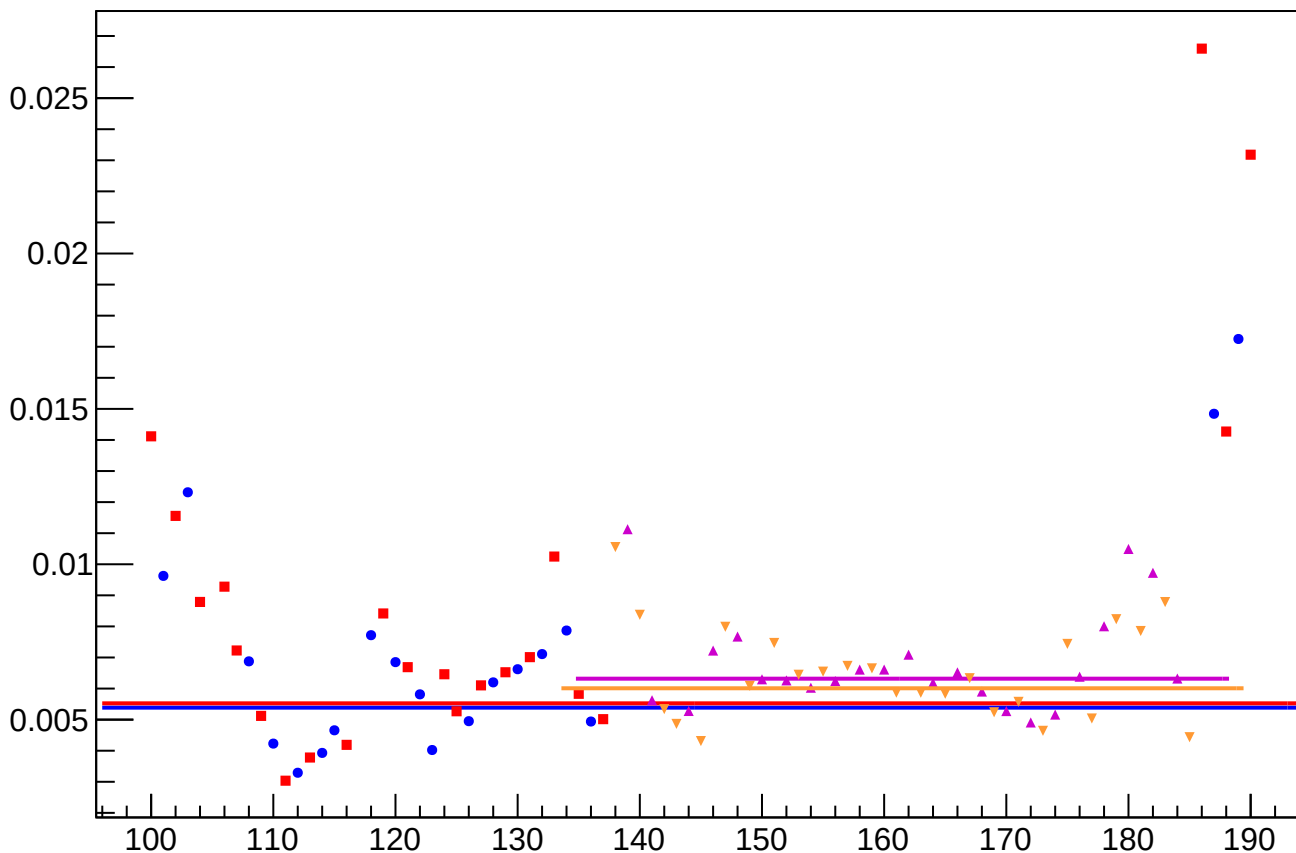
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF:28497227562.7/22

+ sign 9.229 $\pm$ 0.000 χ^2 /NDF: 204938792447.6/43

All: 9.274 $\pm$ 0.000 χ^2 /NDF: 419726966455.4

- sign 9.322 $\pm$ 0.000 χ^2 /NDF: 212352377807.1/44

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1750993.6/18

Left Out: 0.006+/-0.000 χ^2/NDF : 1312525.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 3202671.6/21

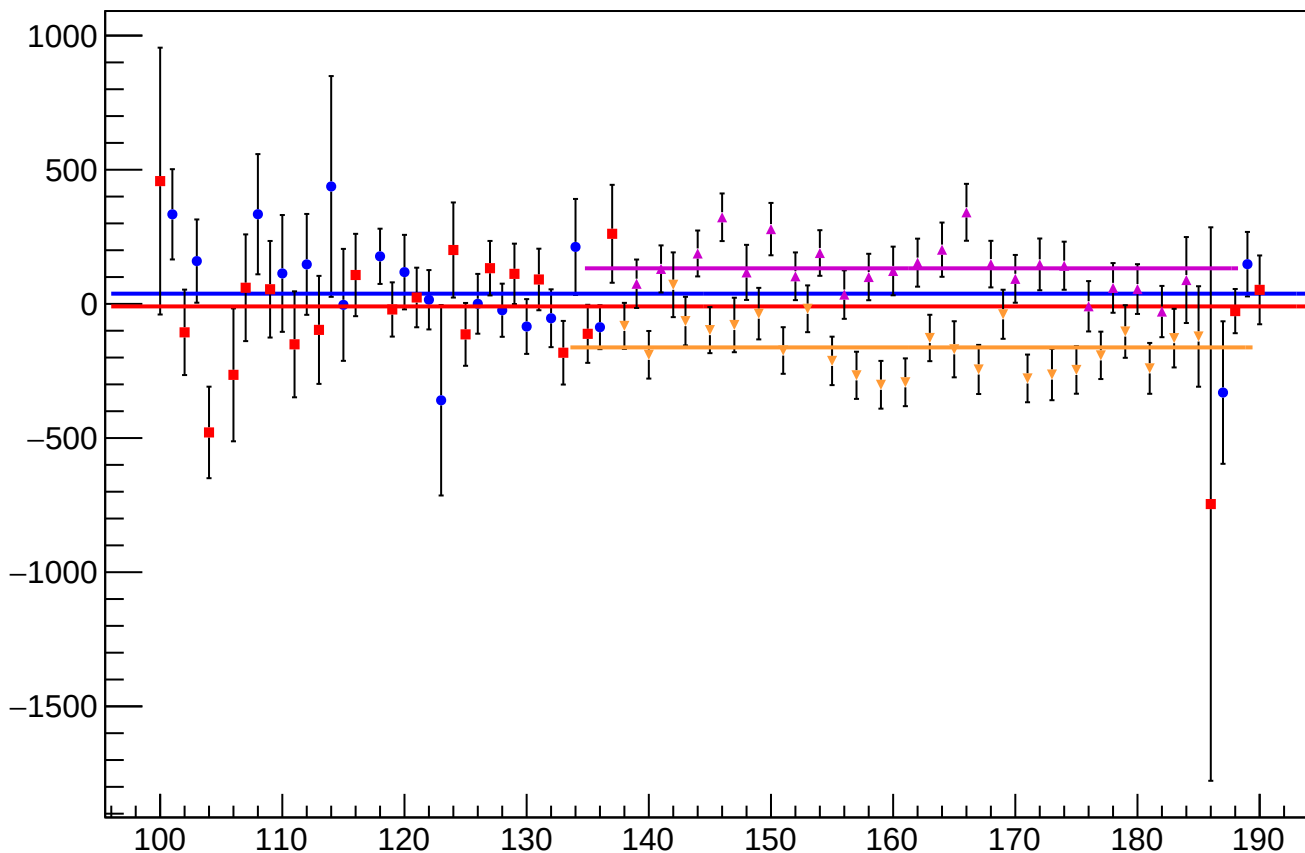
Left In: 0.006+/-0.000 χ^2/NDF : 1087051.3/22

+ sign 0.006+/-0.000 χ^2/NDF : 3161247.5/43

All: 0.006+/-0.000 χ^2/NDF : 7636039.2/88

- sign 0.006+/-0.000 χ^2/NDF : 4448212.7/44

reg_asym_sam1_mean vs Slug



Right In: 38.108 $\pm$ 31.017 χ^2 /NDF: 19.1/18

Left Out: -162.161 $\pm$ 18.745 χ^2 /NDF:25.7/24

Right Out: -9.414 $\pm$ 29.182 χ^2 /NDF: 23.6/21

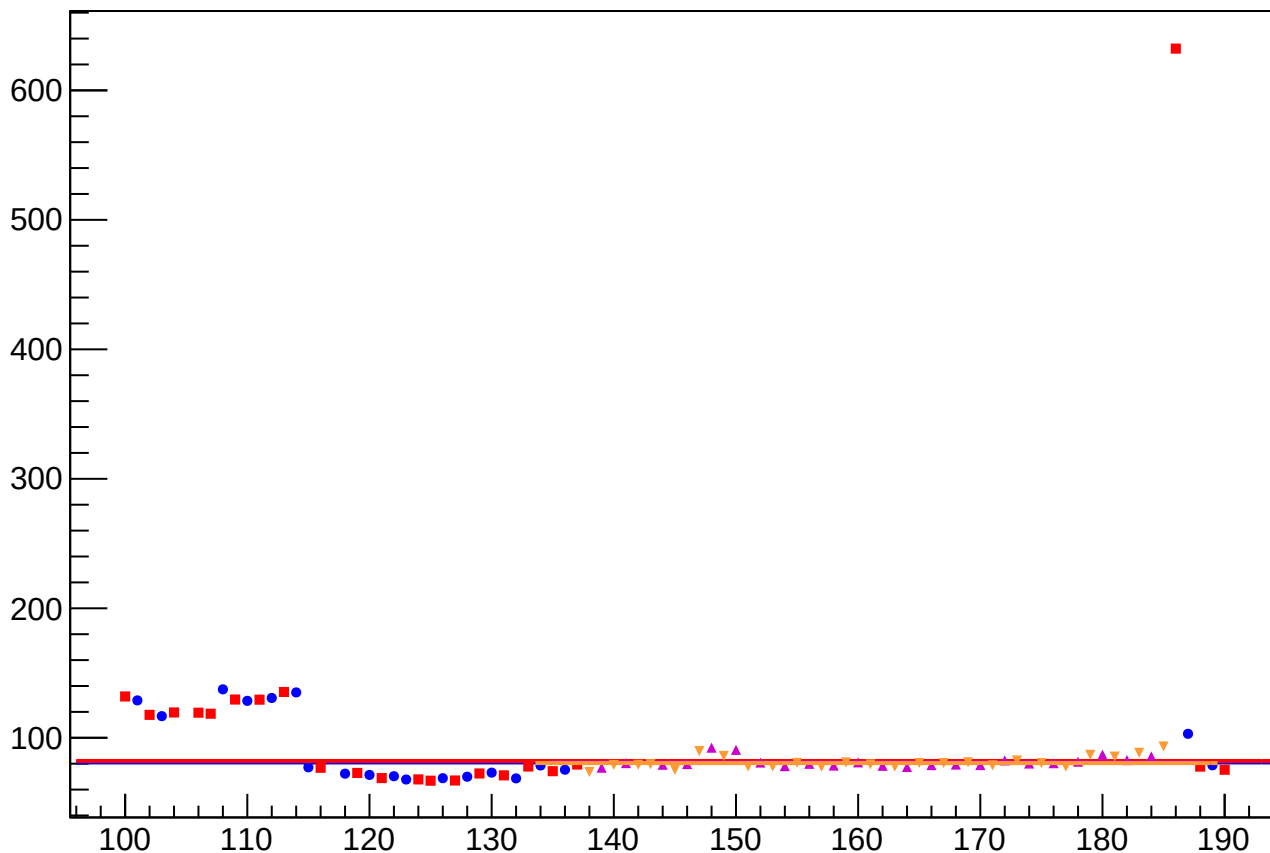
Left In: 132.557 $\pm$ 19.403 χ^2 /NDF:20.7/22

+ sign -108.586 $\pm$ 16.043 χ^2 /NDF: 75.3/43

All: -10.482 $\pm$ 11.384 χ^2 /NDF: 211.4/88

- sign 89.032 $\pm$ 16.158 χ^2 /NDF: 60.8/44

reg_asym_sam1_rms vs Slug



Right In: 80.950 $\pm$ 0.022 χ^2 /NDF: 822383.7/18

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 82.093 $\pm$ 0.021 χ^2 /NDF: 1489077.3/21

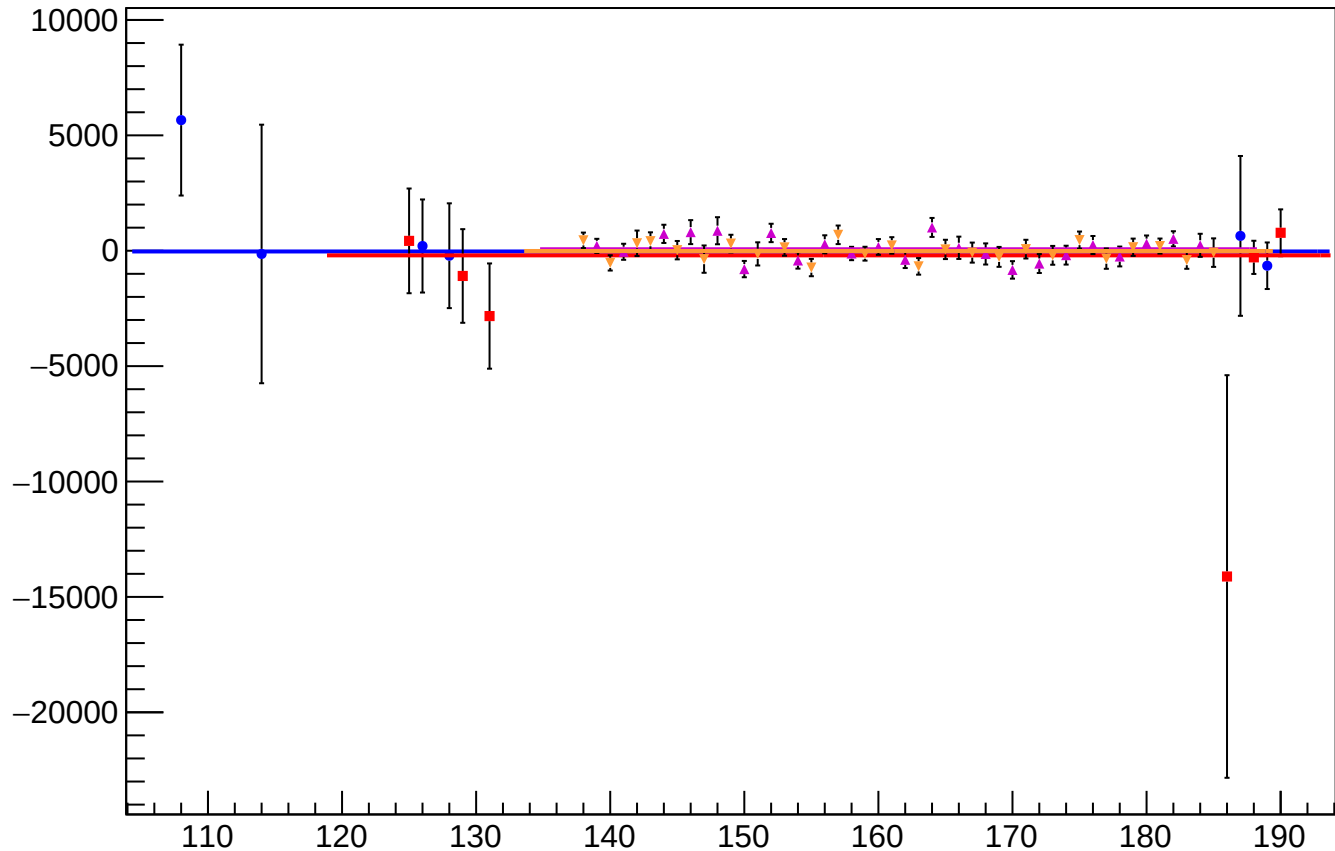
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 80.590 $\pm$ 0.011 χ^2 /NDF: 912693.0/43

All: 80.965 $\pm$ 0.008 χ^2 /NDF: 2478112.3/88

- sign 81.345 $\pm$ 0.011 χ^2 /NDF: 1563223.0/44

asym_sam1_correction_mean vs Slug



Right In: -31.367 ± 782.819 χ^2/NDF : 3.5/5

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -200.444 ± 530.829 χ^2/NDF : 5.1/5

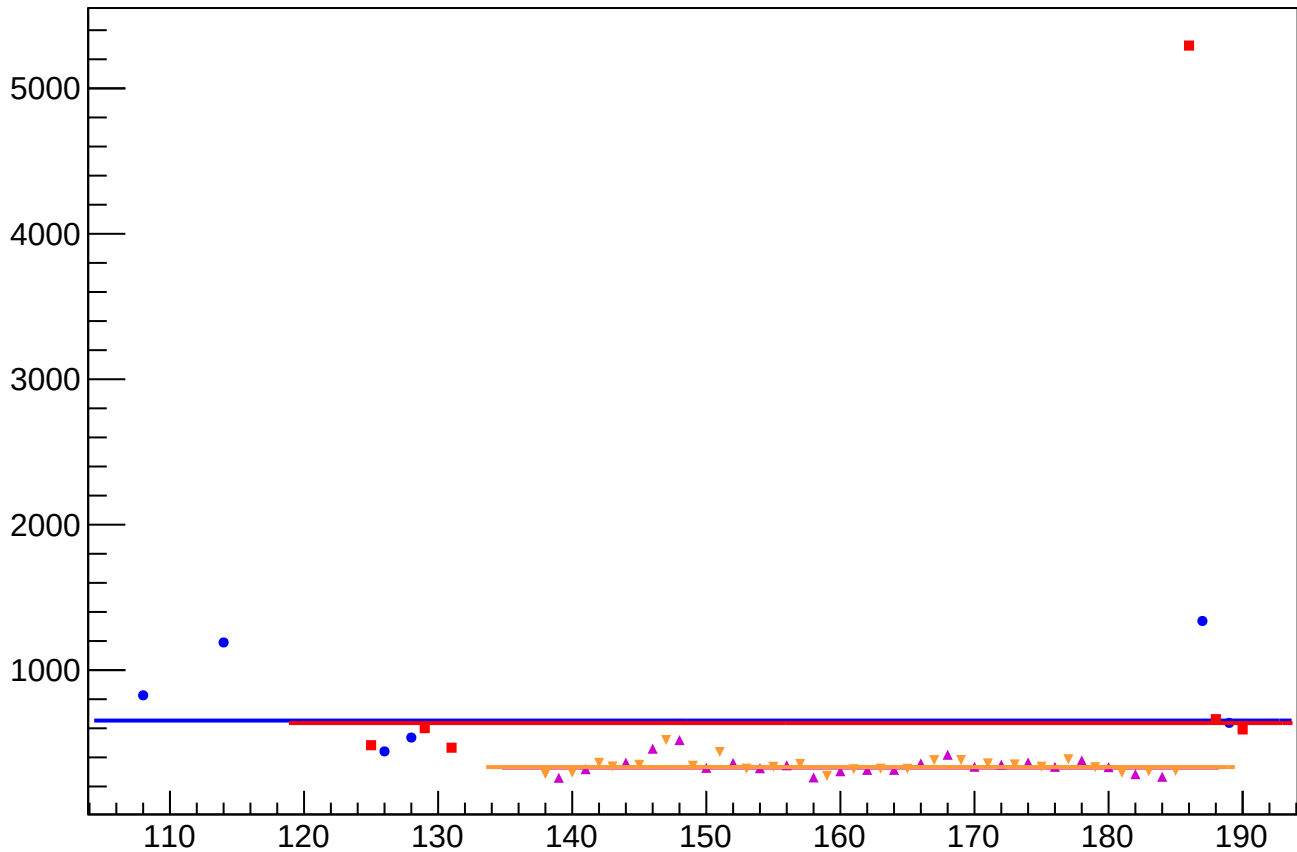
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -10.694 ± 78.001 χ^2/NDF : 26.0/30

All: 23.494 ± 55.557 χ^2/NDF : 69.1/59

- sign 58.698 ± 79.152 χ^2/NDF : 42.7/28

asym_sam1_correction_rms vs Slug



Right In: 653.235 $\pm$ 0.554 χ^2 /NDF: 130092.3/5

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 635.952 $\pm$ 0.375 χ^2 /NDF: 597506.0/5

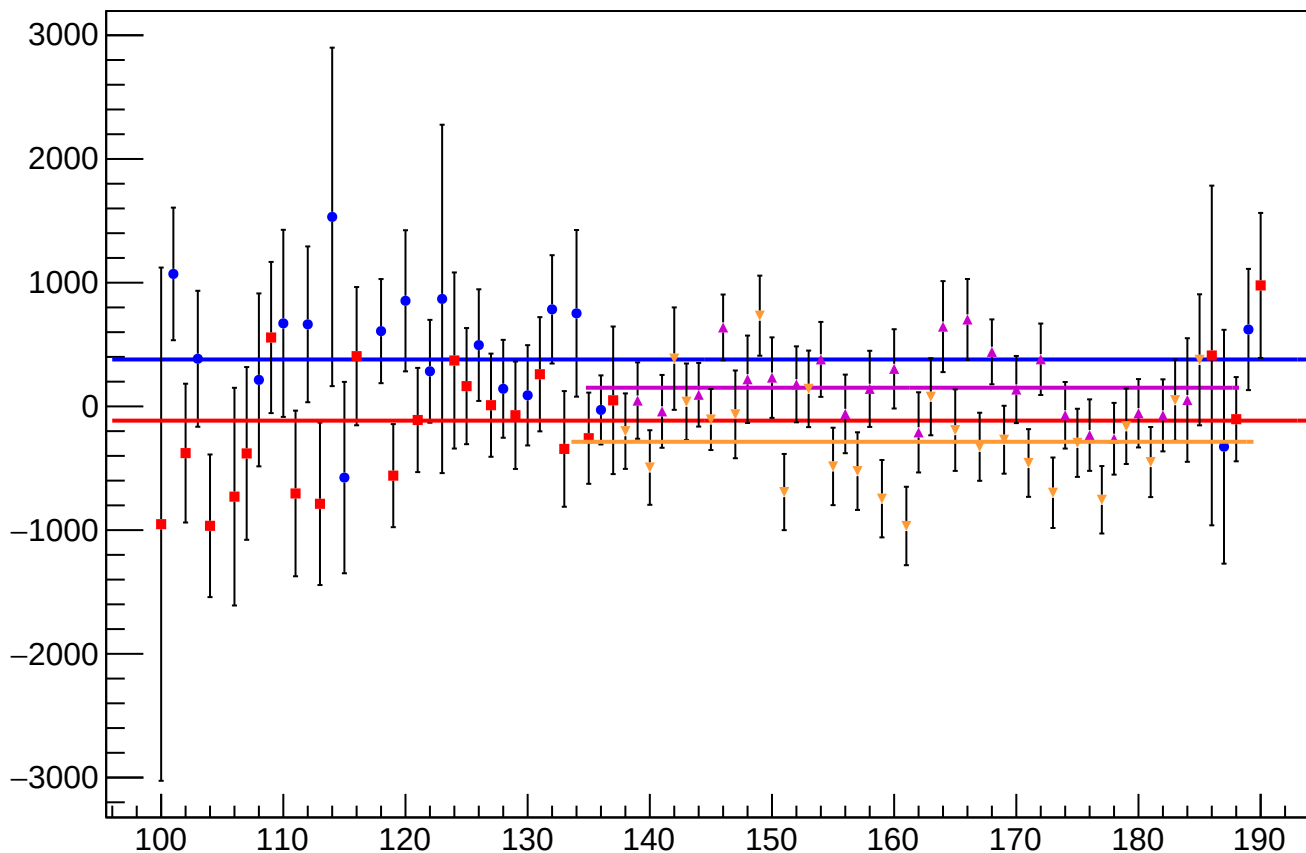
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 336.410 $\pm$ 0.055 χ^2 /NDF: 1053100.2/30

All: 336.596 $\pm$ 0.039 χ^2 /NDF: 3096283.7/59

- sign 336.788 $\pm$ 0.056 χ^2 /NDF: 2043160.3/28

reg_asym_sam2_mean vs Slug



Right In: 379.312 ± 116.834 χ^2/NDF : 10.5/18

Left Out: -286.030 ± 61.095 χ^2/NDF : 36.6/24

Right Out: -114.980 ± 111.334 χ^2/NDF : 13.9/21

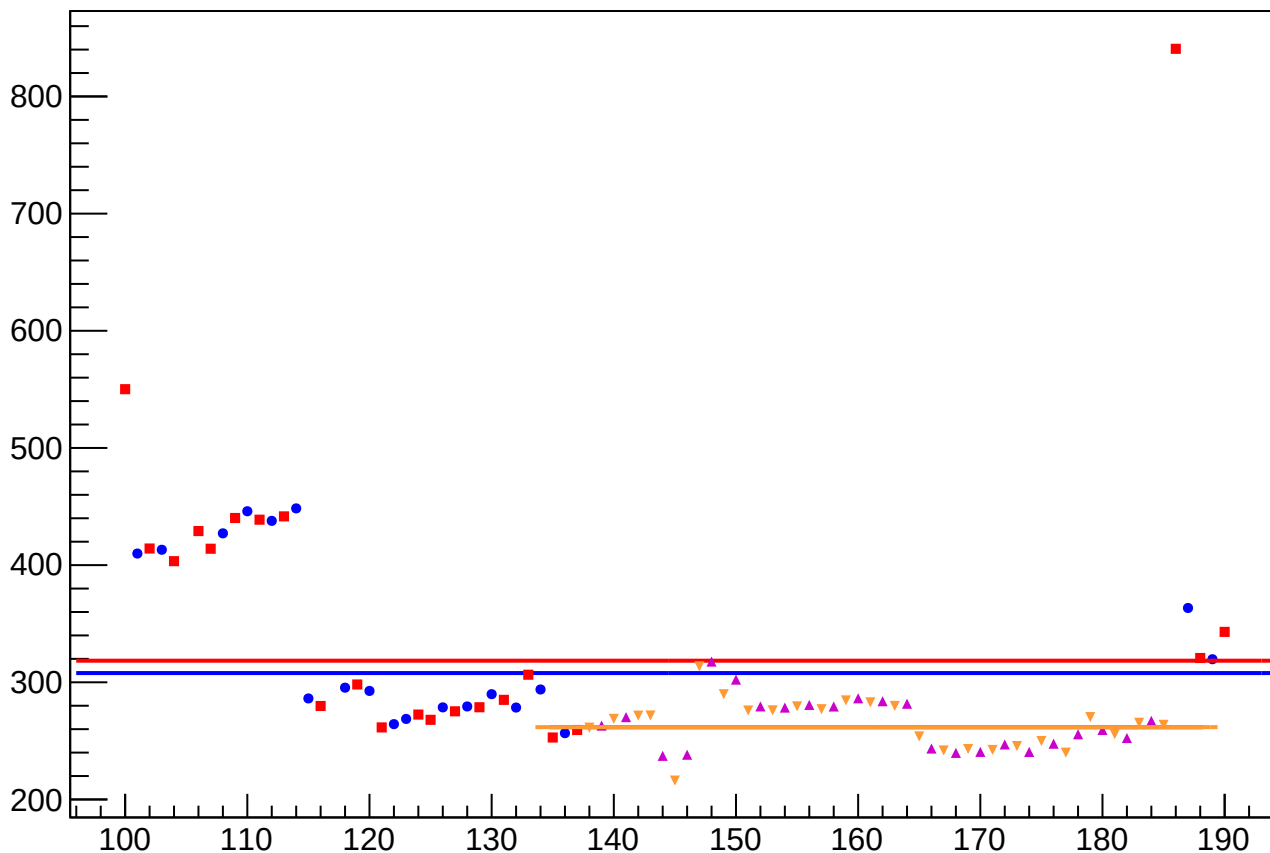
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -143.164 ± 54.139 χ^2/NDF : 72.5/43

All: -29.431 ± 38.482 χ^2/NDF : 118.4/88

- sign 86.710 ± 54.710 χ^2/NDF : 36.9/44

reg_asym_sam2_rms vs Slug



Right In: 307.880 $\pm$ 0.083 χ^2 /NDF: 513528.6/18

Left Out: 261.722 $\pm$ 0.043 χ^2 /NDF: 233222.6/24

Right Out: 318.437 $\pm$ 0.079 χ^2 /NDF: 918510.8/21

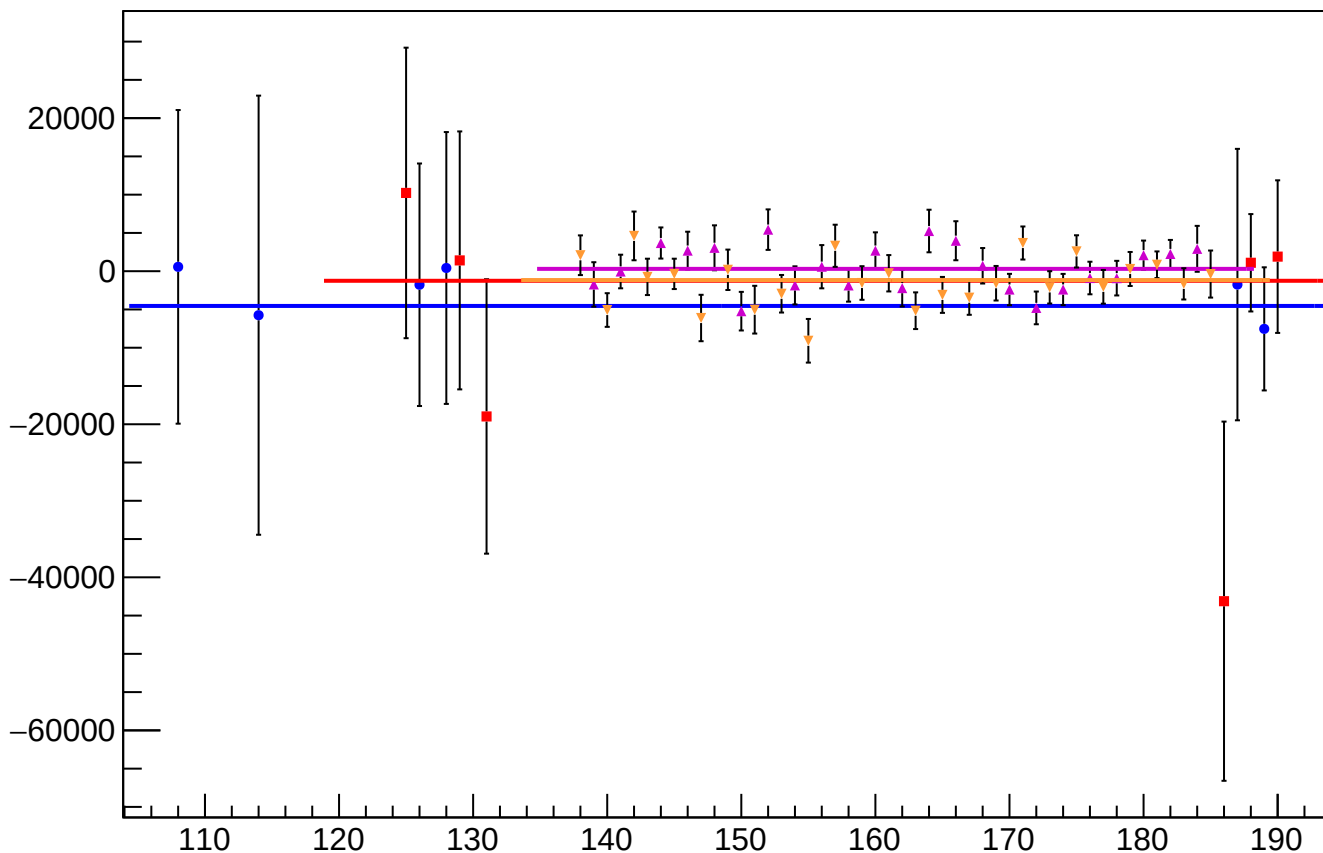
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 271.633 $\pm$ 0.038 χ^2 /NDF: 991886.6/43

All: 273.473 $\pm$ 0.027 χ^2 /NDF: 2538178.8/88

- sign 275.353 $\pm$ 0.039 χ^2 /NDF: 1541621.0/44

asym_sam2_correction_mean vs Slug



Right In: -4539.787 ± 5834.078 χ^2/NDF : 0.3/5

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -1253.286 ± 4662.915 χ^2/NDF : 4.8/5

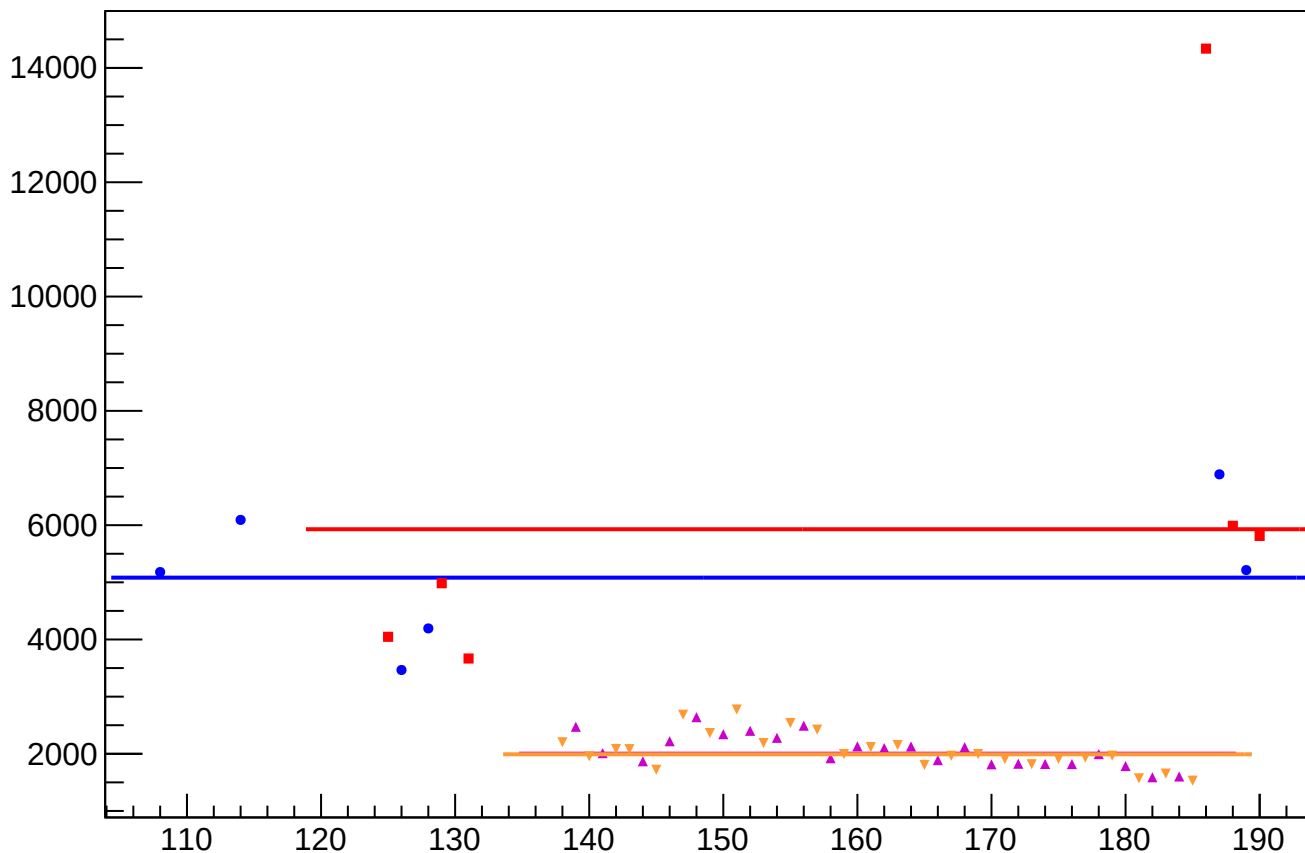
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1183.138 ± 467.528 χ^2/NDF : 39.4/30

All: -468.866 ± 335.320 χ^2/NDF : 84.5/59

- sign 287.778 ± 481.195 χ^2/NDF : 40.3/28

asym_sam2_correction_rms vs Slug



Right In: 5082.078+/-4.125 χ^2/NDF : 49639.0/5

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5929.110+/-3.297 χ^2/NDF : 315016.6/5

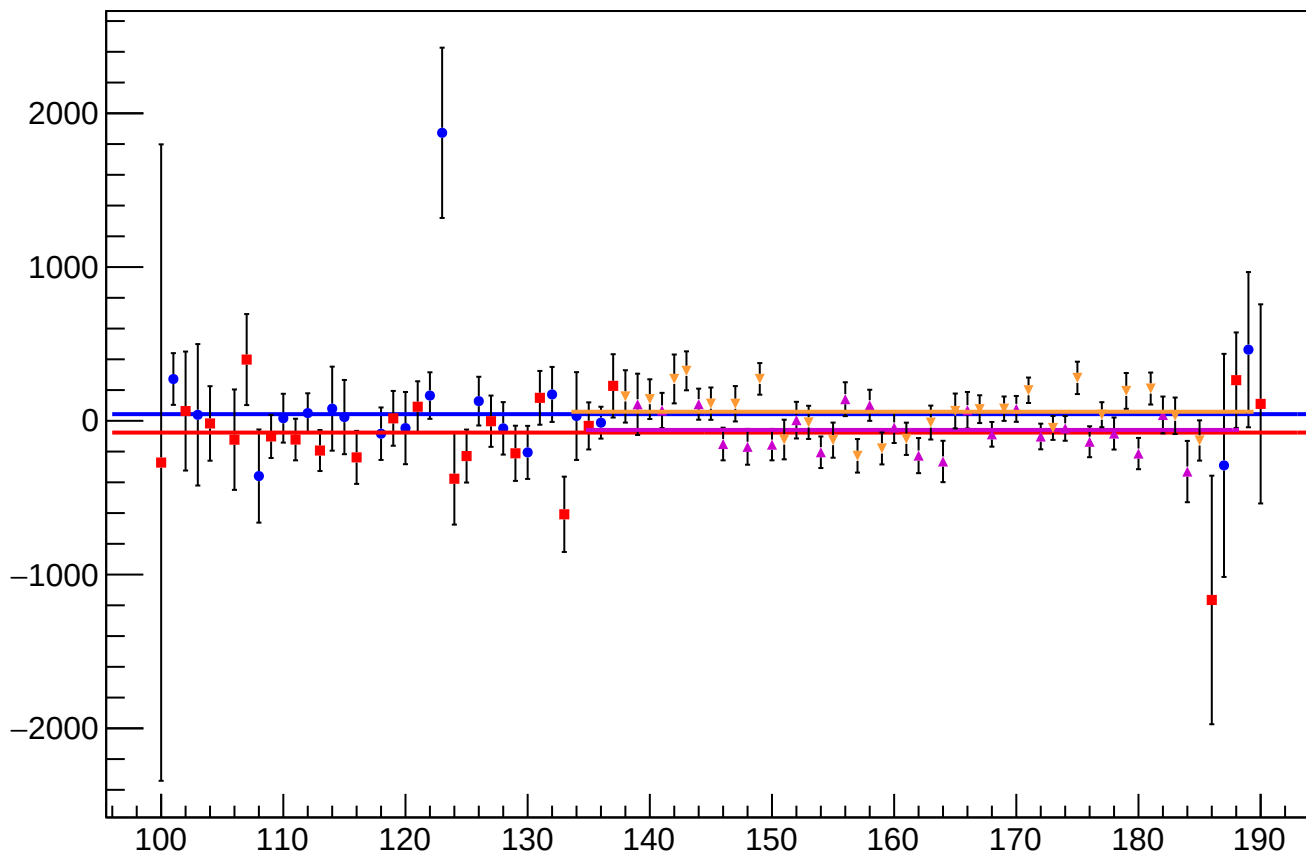
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2010.955+/-0.331 χ^2/NDF : 1333748.8/30

All: 2026.989+/-0.237 χ^2/NDF : 3642943.6/59

- sign 2043.974+/-0.340 χ^2/NDF : 2304350.6/28

reg_asym_sam3_mean vs Slug



Right In: 43.372 ± 43.393 χ^2/NDF : 20.3/18

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -76.480 ± 42.647 χ^2/NDF : 20.2/21

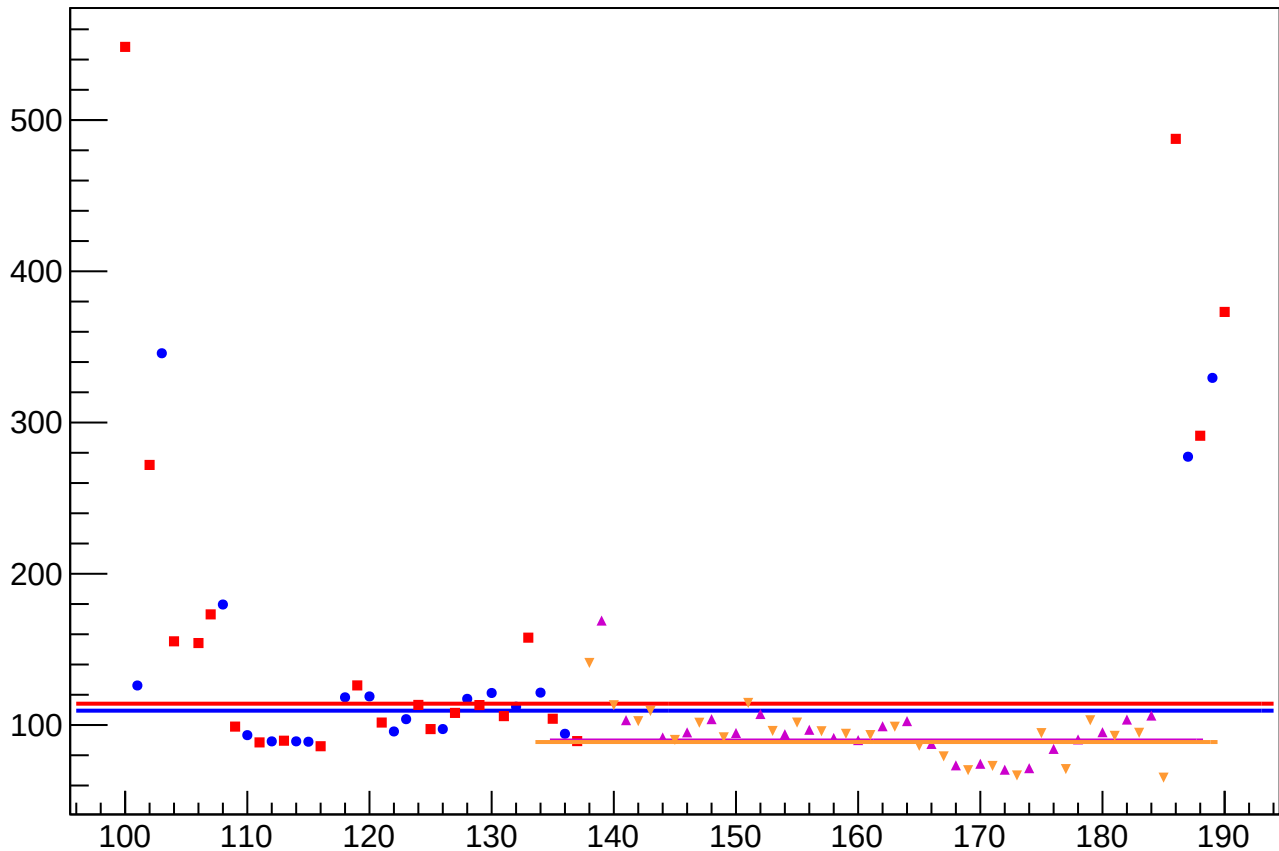
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 55.989 ± 19.003 χ^2/NDF : 67.3/43

All: -1.902 ± 13.608 χ^2/NDF : 136.1/88

- sign -62.839 ± 19.496 χ^2/NDF : 49.7/44

reg_asym_sam3_rms vs Slug



Right In: 109.483 $\pm$ 0.031 χ^2 /NDF: 1336088.9/18

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 114.102 $\pm$ 0.030 χ^2 /NDF: 2350445.2/21

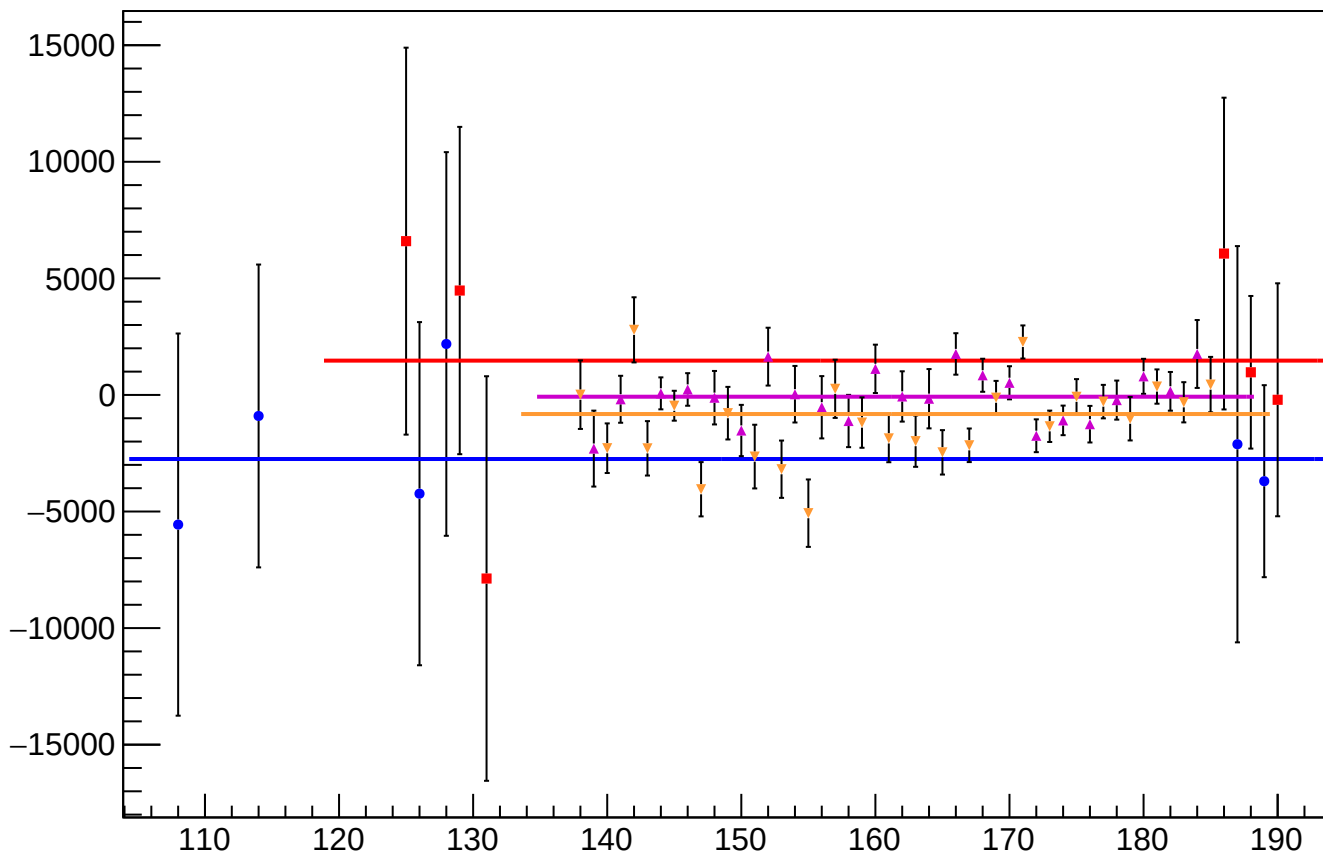
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 92.725 $\pm$ 0.013 χ^2 /NDF: 2784515.9/43

All: 93.761 $\pm$ 0.010 χ^2 /NDF: 6548142.0/88

- sign 94.852 $\pm$ 0.014 χ^2 /NDF: 3751417.0/44

asym_sam3_correction_mean vs Slug



Right In: -2748.005 ± 2629.321 χ^2/NDF : 0.7/5

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: 1471.818 ± 2214.604 χ^2/NDF : 2.3/5

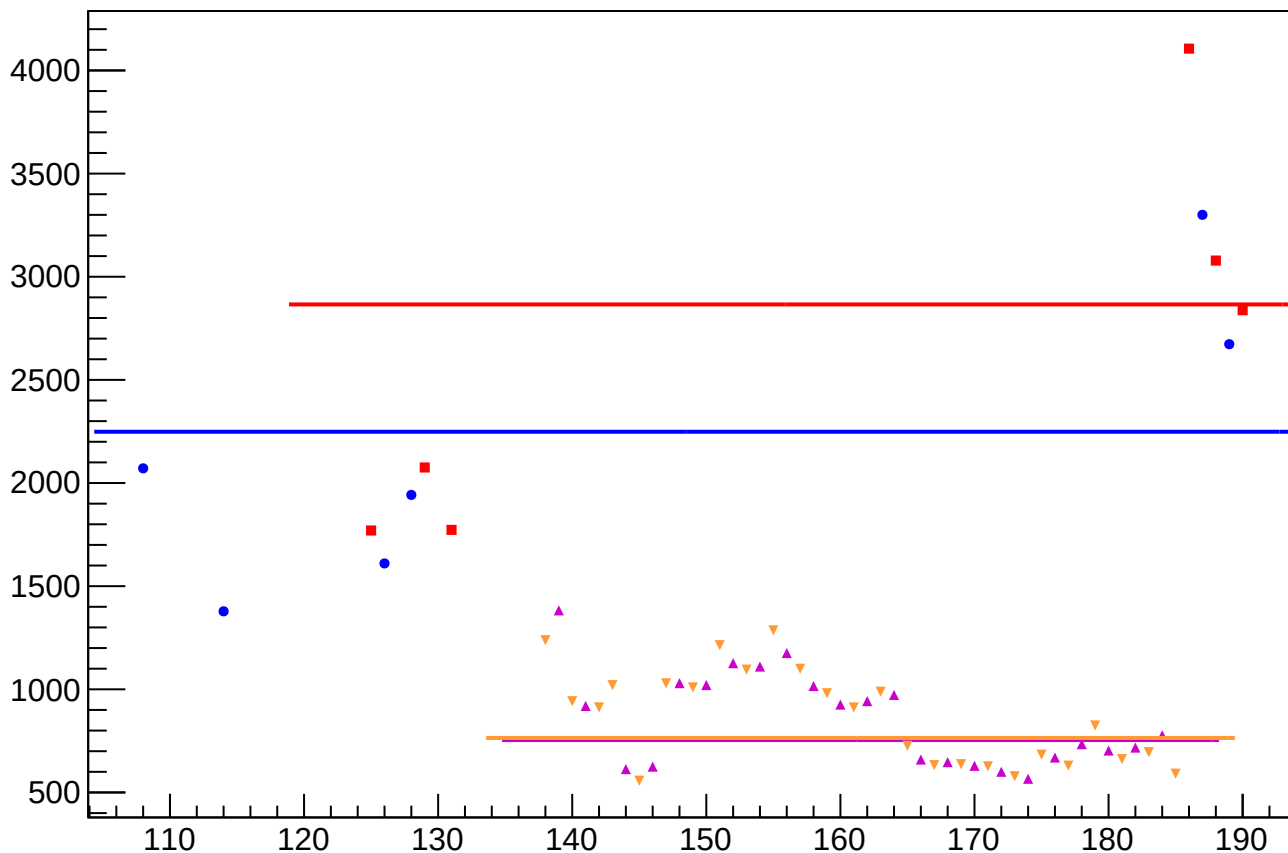
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -828.325 ± 184.012 χ^2/NDF : 69.4/30

All: -450.888 ± 130.810 χ^2/NDF : 109.0/59

- sign -65.285 ± 185.991 χ^2/NDF : 31.1/28

asym_sam3_correction_rms vs Slug



Right In: 2248.591+/-1.859 χ^2/NDF : 106546.6/5

Left Out: 764.280+/-0.130 χ^2/NDF : 2315985.8/24

Right Out: 2865.712+/-1.566 χ^2/NDF : 169268.7/5

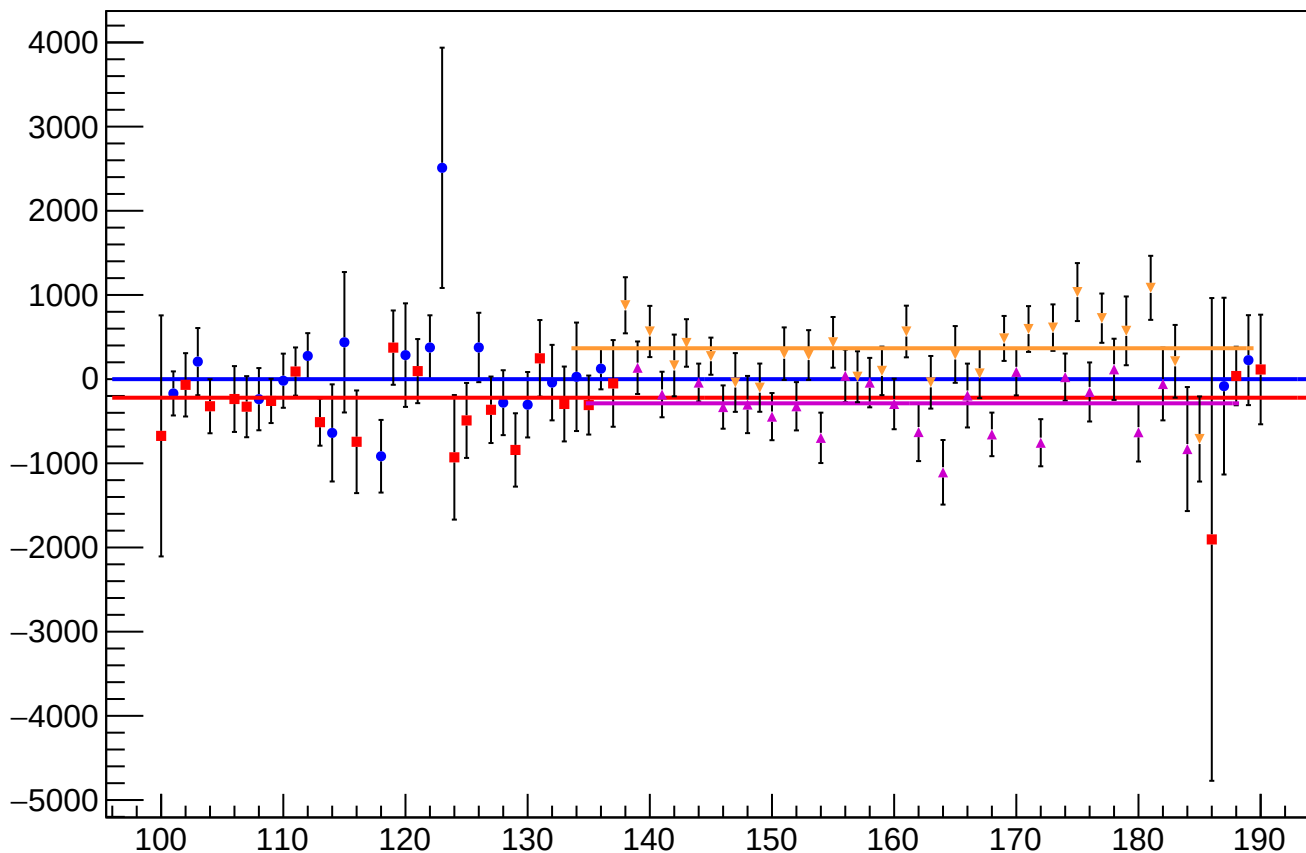
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 771.549+/-0.130 χ^2/NDF : 3056781.8/30

All: 770.249+/-0.092 χ^2/NDF : 7045242.9/59

- sign 768.921+/-0.132 χ^2/NDF : 3988259.3/28

reg_asym_sam4_mean vs Slug



Right In: -0.242 ± 91.712 χ^2/NDF : 14.9/18

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -220.662 ± 85.533 χ^2/NDF : 11.8/21

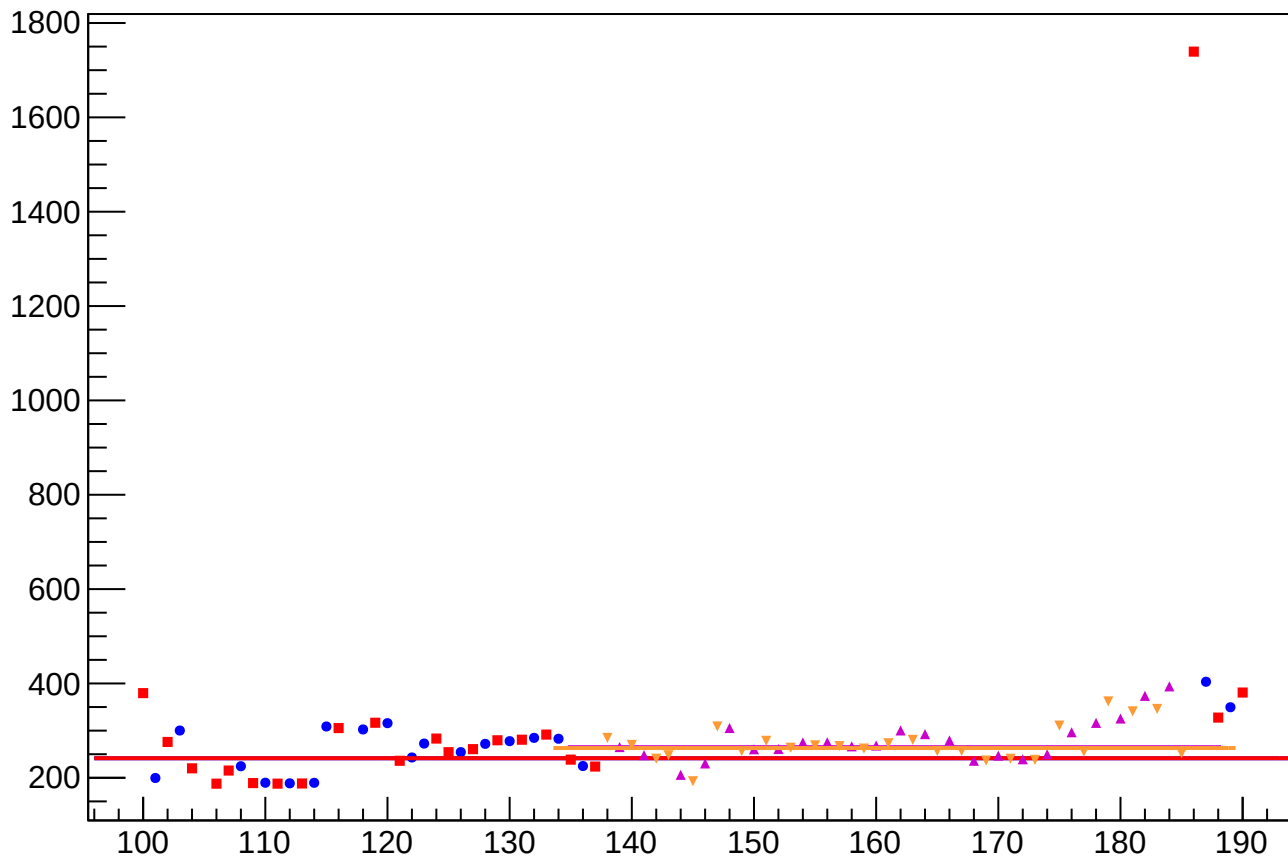
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 251.972 ± 51.332 χ^2/NDF : 54.1/43

All: -5.738 ± 36.291 χ^2/NDF : 140.6/88

- sign -263.280 ± 51.315 χ^2/NDF : 36.1/44

reg_asym_sam4_rms vs Slug



Right In: 241.348 $\pm$ 0.065 χ^2 /NDF: 524742.0/18

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 241.557 $\pm$ 0.060 χ^2 /NDF: 1228362.6/21

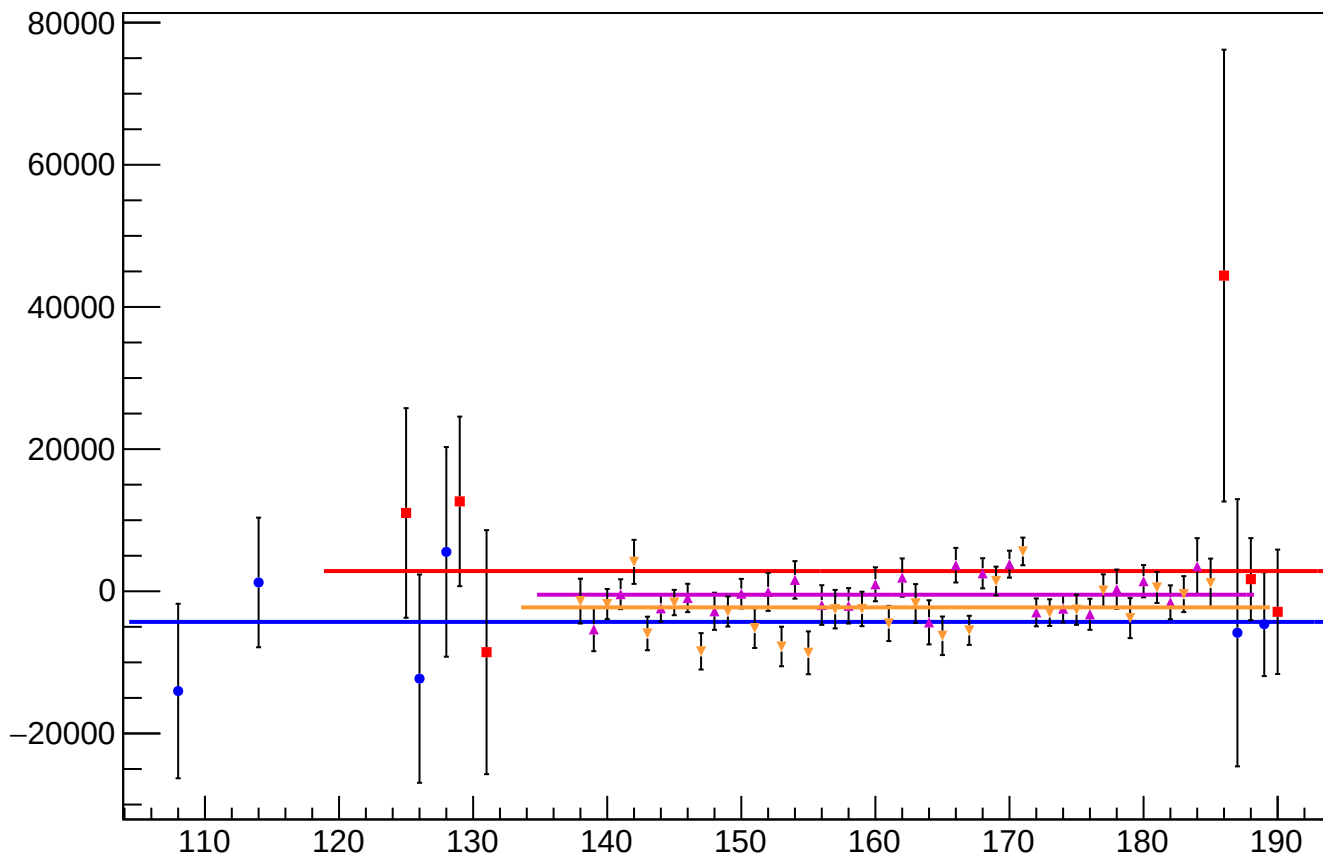
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 256.288 $\pm$ 0.036 χ^2 /NDF: 1244251.0/43

All: 256.400 $\pm$ 0.026 χ^2 /NDF: 3177194.3/88

- sign 256.513 $\pm$ 0.036 χ^2 /NDF: 1932924.1/44

asym_sam4_correction_mean vs Slug



Right In: -4305.651 ± 4494.661 $\chi^2/\text{NDF}: 1.7/5$

Left Out: -2260.196 ± 475.336 $\chi^2/\text{NDF}: 52.3/24$

Right Out: 2845.856 ± 4113.922 $\chi^2/\text{NDF}: 3.6/5$

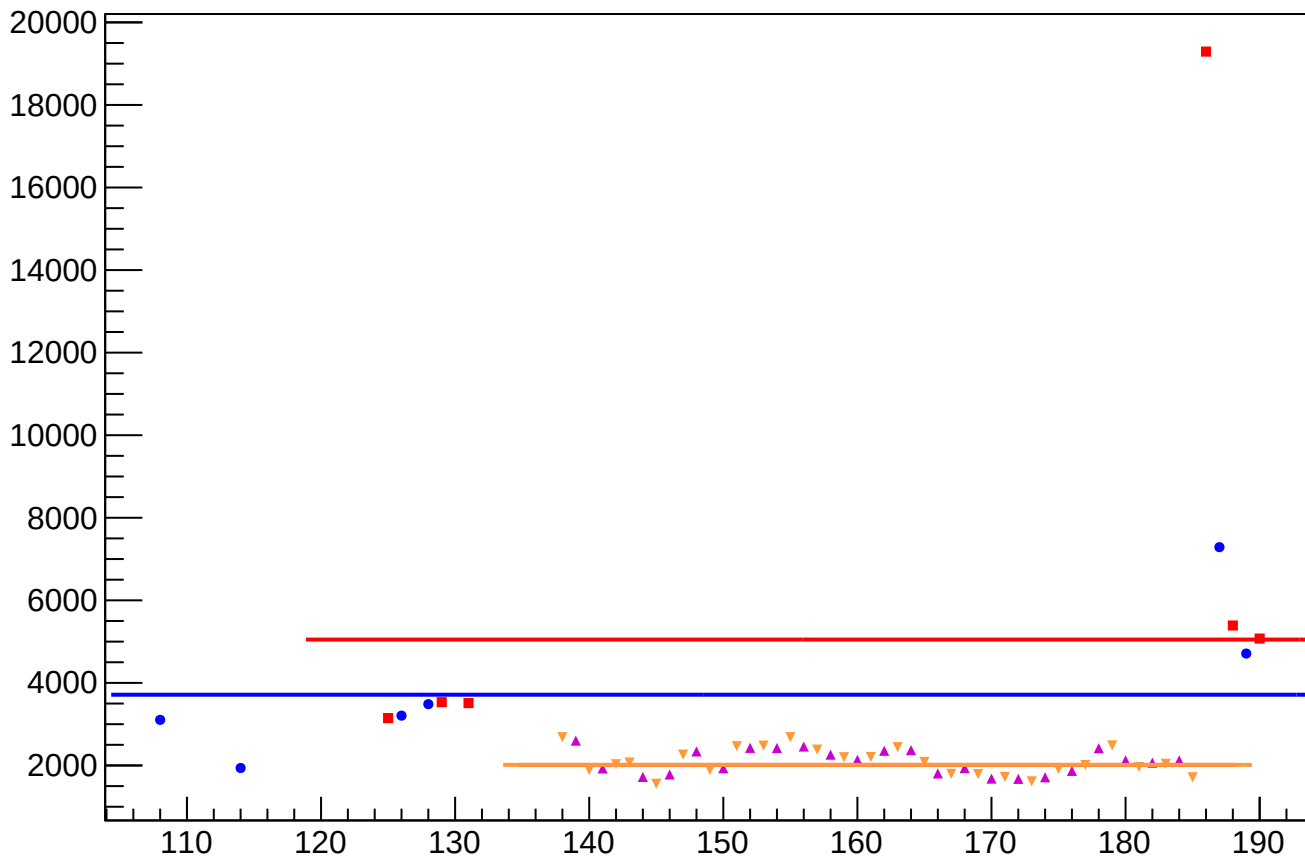
Left In: -485.590 ± 487.465 $\chi^2/\text{NDF}: 24.8/22$

+ sign -2282.820 ± 472.700 $\chi^2/\text{NDF}: 54.3/30$

All: -1383.062 ± 338.200 $\chi^2/\text{NDF}: 90.7/59$

- sign -439.463 ± 484.079 $\chi^2/\text{NDF}: 29.0/28$

asym_sam4_correction_rms vs Slug



Right In: 3713.848+/-3.178 χ^2/NDF : 193206.0/5

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 5049.853+/-2.909 χ^2/NDF : 490242.5/5

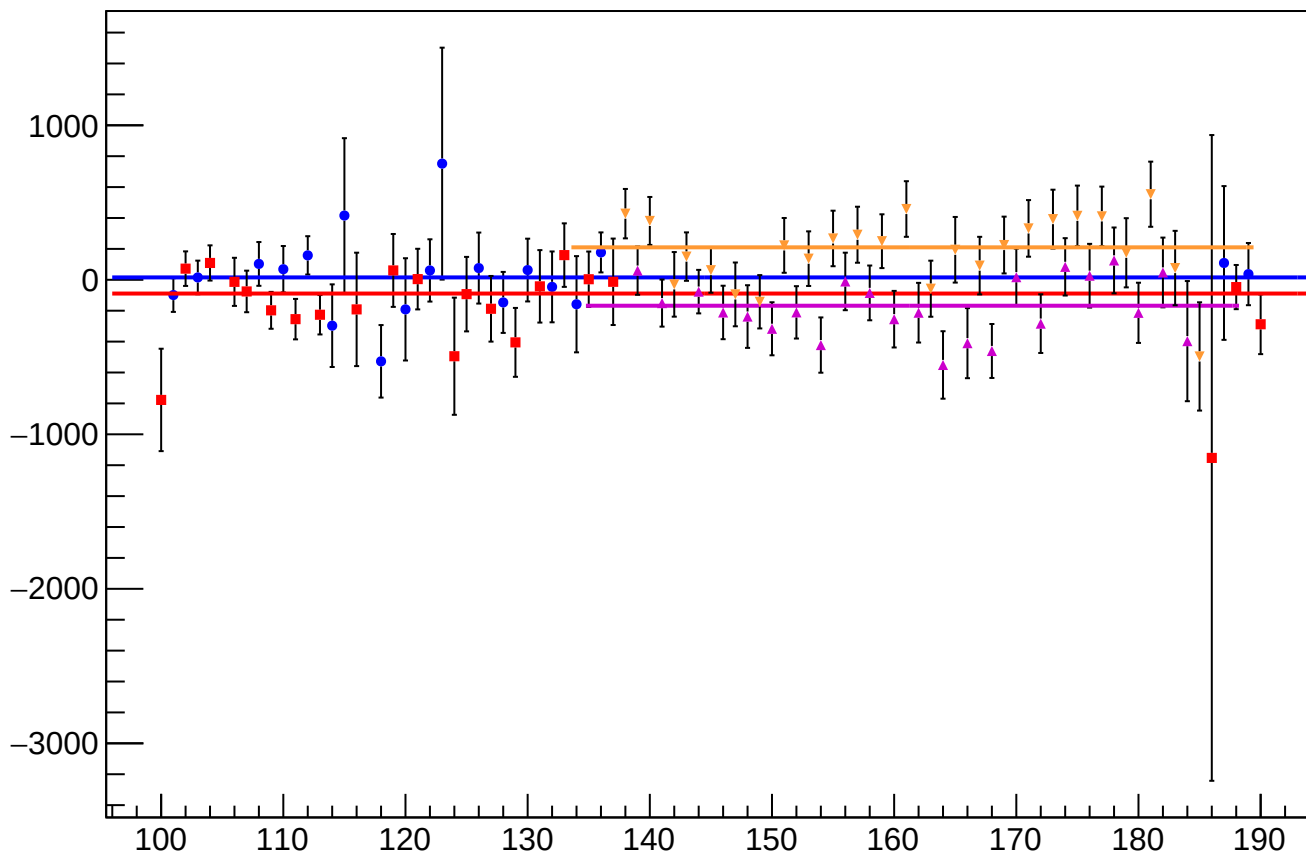
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2032.906+/-0.334 χ^2/NDF : 1311723.0/30

All: 2043.832+/-0.239 χ^2/NDF : 3540815.7/59

- sign 2055.290+/-0.342 χ^2/NDF : 2226903.7/28

reg_asym_sam5_mean vs Slug



Right In: 15.478 ± 41.313 χ^2/NDF : 14.5/18

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -89.002 ± 36.958 χ^2/NDF : 20.6/21

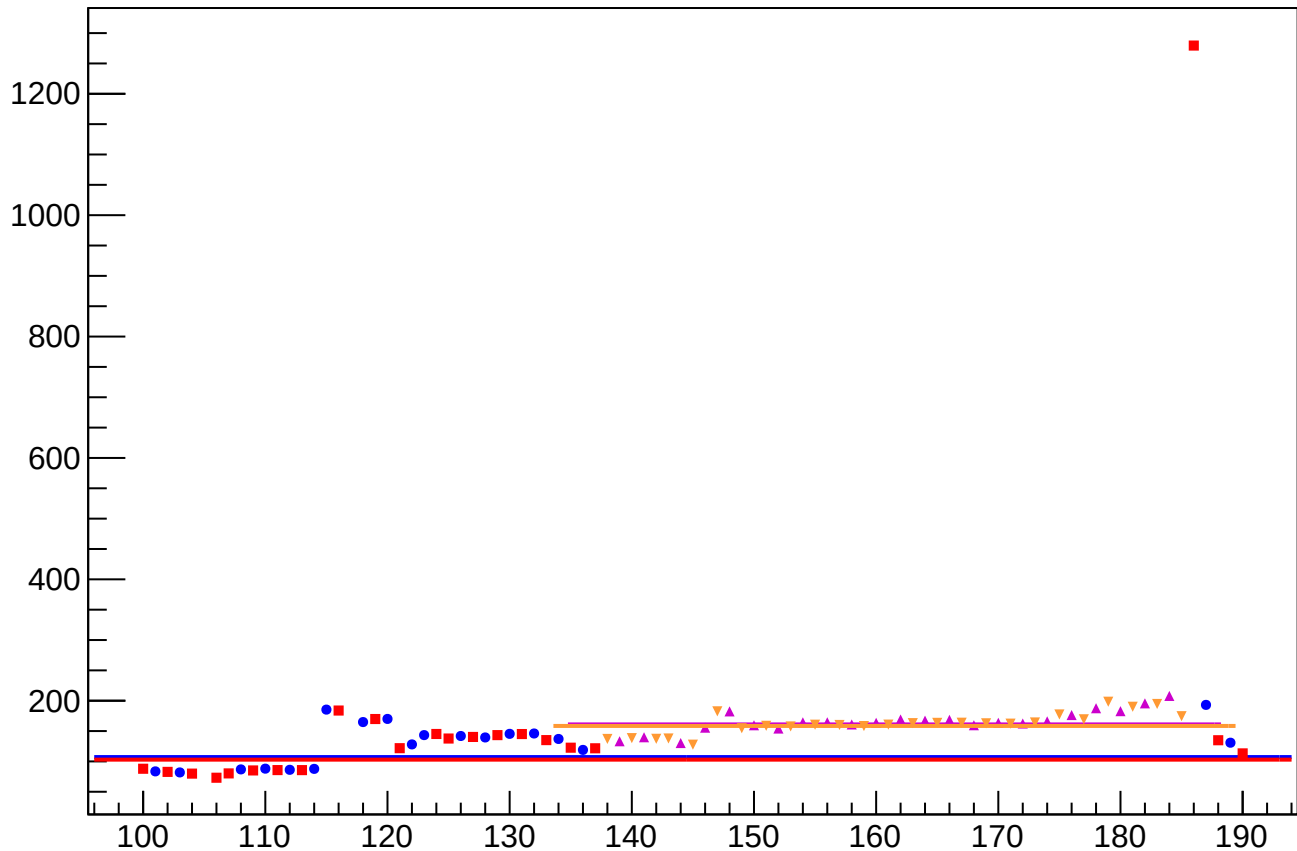
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 123.224 ± 27.601 χ^2/NDF : 54.3/43

All: -5.662 ± 19.203 χ^2/NDF : 140.4/88

- sign -126.580 ± 26.734 χ^2/NDF : 43.9/44

reg_asym_sam5_rms vs Slug



Right In: 107.142 $\pm$ 0.029 χ^2 /NDF: 960808.7/18

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 102.908 $\pm$ 0.026 χ^2 /NDF: 1753886.3/21

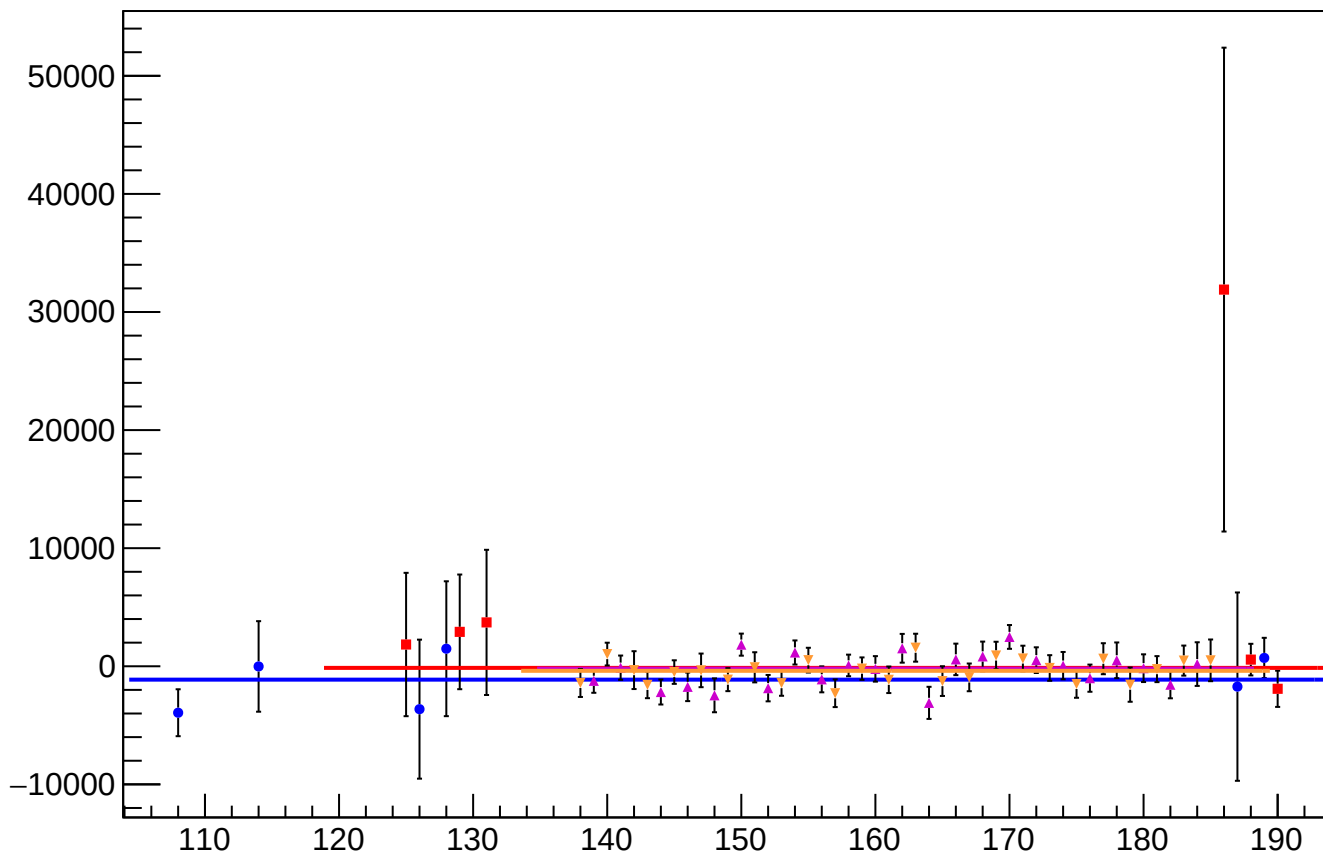
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.544 $\pm$ 0.020 χ^2 /NDF: 3102398.9/43

All: 132.982 $\pm$ 0.014 χ^2 /NDF: 7620913.0/88

- sign 130.579 $\pm$ 0.019 χ^2 /NDF: 4485125.4/44

asym_sam5_correction_mean vs Slug



Right In: -1132.146+/-1161.075 χ^2/NDF : 3.6/5

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: -136.357+/-961.652 χ^2/NDF : 4.9/5

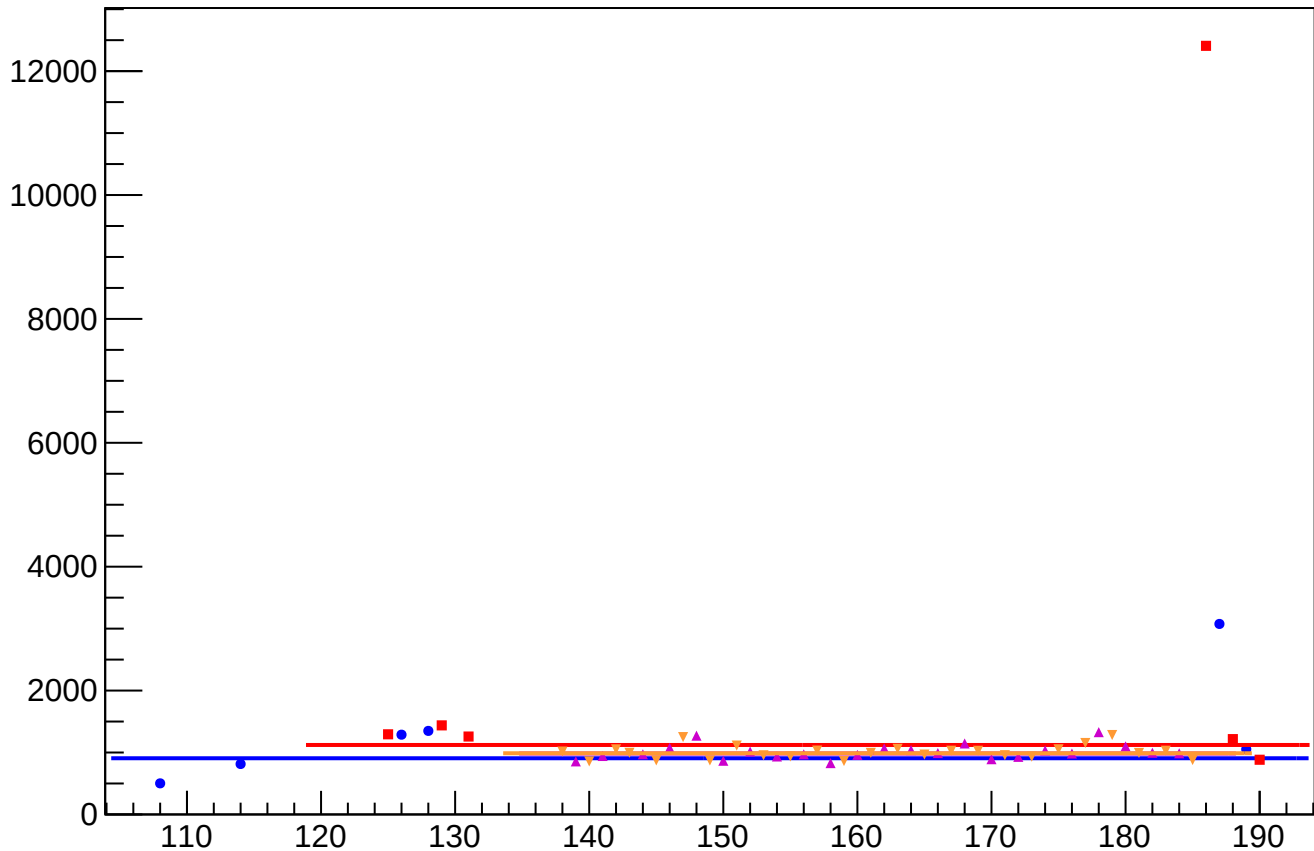
Left In: -202.234+/-237.460 χ^2/NDF : 35.5/22

+ sign -413.663+/-227.346 χ^2/NDF : 22.1/30

All: -307.555+/-161.874 χ^2/NDF : 63.0/59

- sign -198.448+/-230.535 χ^2/NDF : 40.4/28

asym_sam5_correction_rms vs Slug



Right In: 907.313+/-0.821 χ^2/NDF : 267239.8/5

Left Out: 987.869+/-0.164 χ^2/NDF : 376958.5/24

Right Out: 1121.758+/-0.680 χ^2/NDF : 676393.6/5

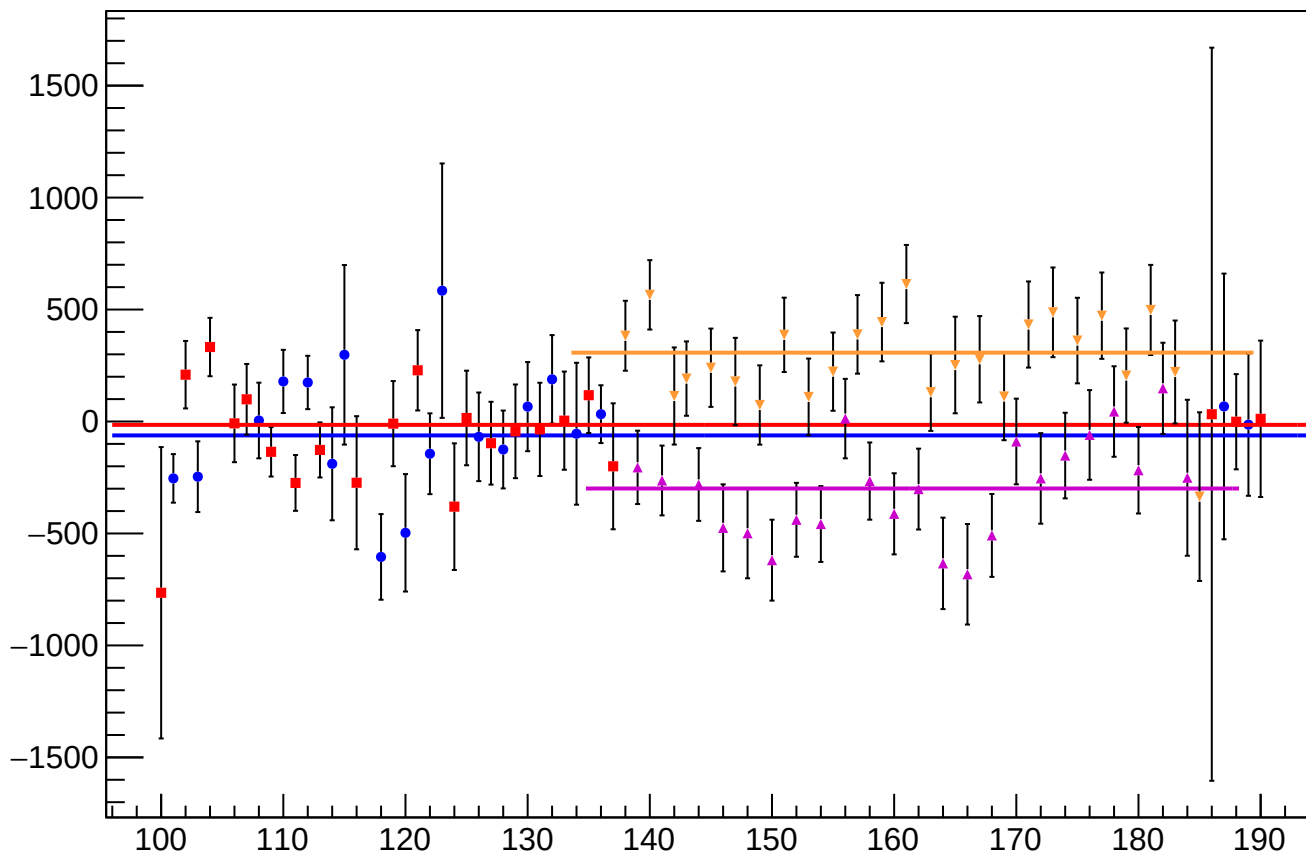
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 984.780+/-0.161 χ^2/NDF : 653456.4/30

All: 988.249+/-0.114 χ^2/NDF : 1785803.7/59

- sign 991.816+/-0.163 χ^2/NDF : 1131402.9/28

reg_asym_sam6_mean vs Slug



Right In: -62.115 ± 41.861 χ^2/NDF : 27.6/18

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: -15.002 ± 38.616 χ^2/NDF : 23.1/21

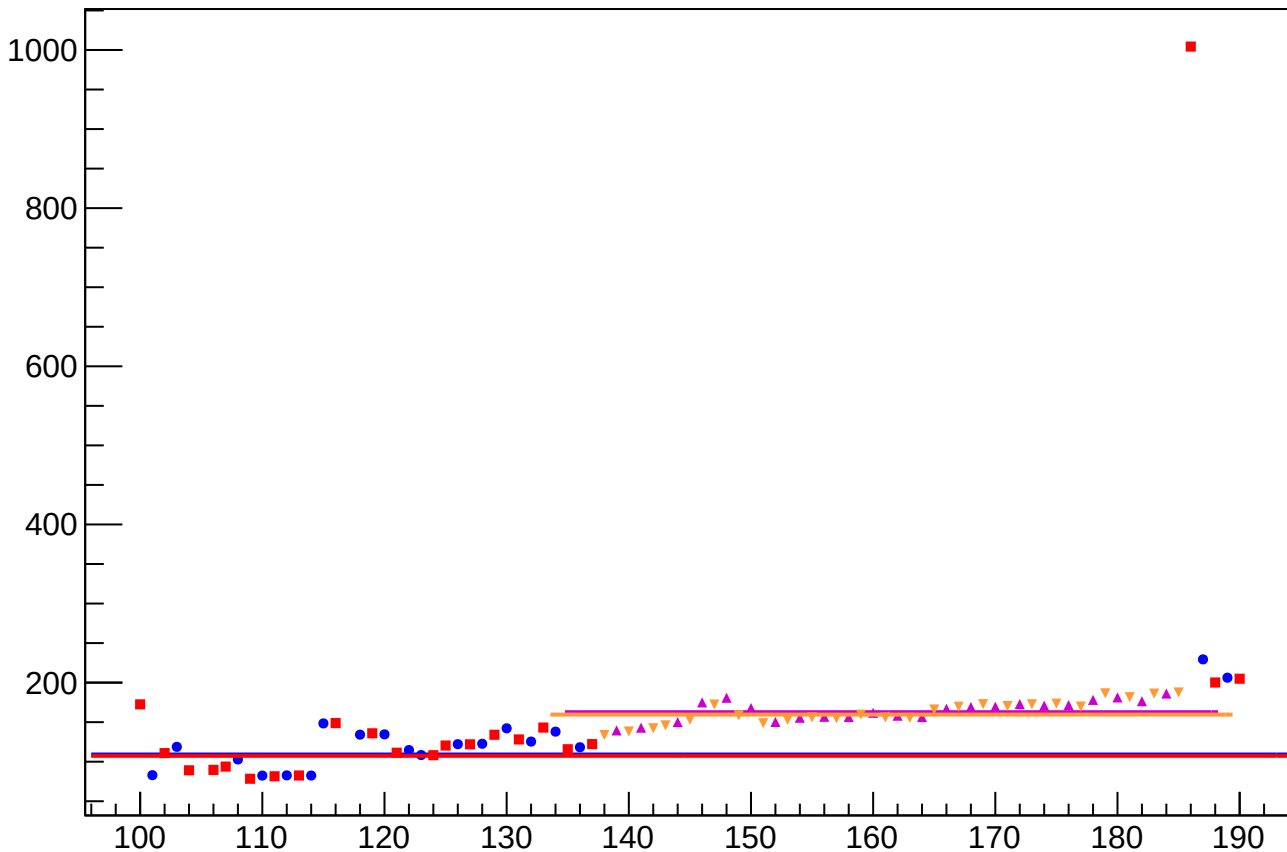
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 144.019 ± 27.839 χ^2/NDF : 91.8/43

All: -7.964 ± 19.544 χ^2/NDF : 229.0/88

- sign -155.660 ± 27.444 χ^2/NDF : 78.4/44

reg_asym_sam6_rms vs Slug



Right In: 109.071 $\pm$ 0.030 χ^2 /NDF: 778566.0/18

Left Out: 159.568+/-0.026 χ^2/NDF :287744.2/24

+ sign 137.234+/-0.020 χ^2/NDF : 2689484.6/43

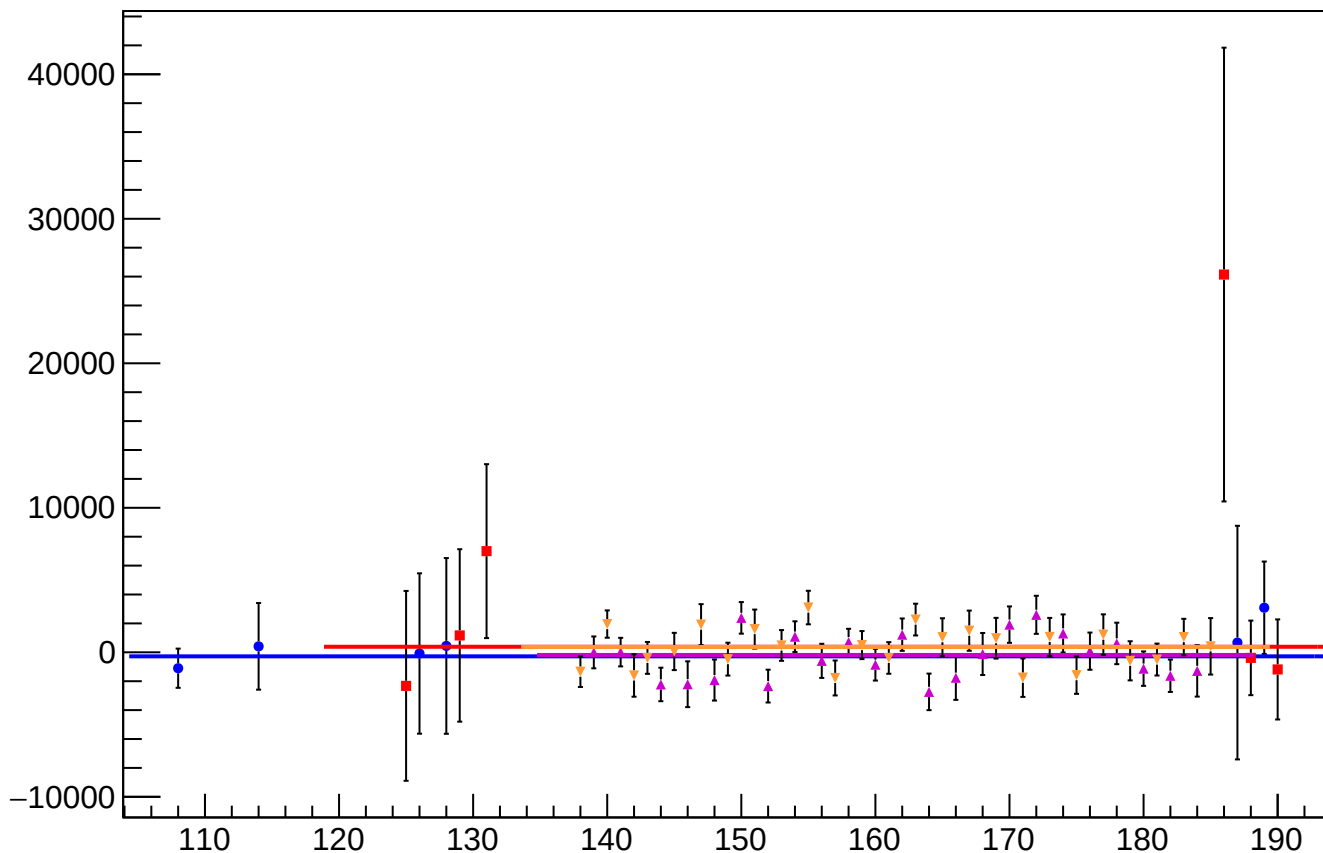
Right Out: 107.430 ± 0.027 χ^2/NDF : 1759421.1/21

All: 135.969+/-0.014 χ^2/NDF : 6677507.0/88

- sign 134.739+/-0.019 χ^2/NDF : 3979873.7/44

Left In: 162.606+/-0.028 χ^2 /NDF:199542.3/22

asym_sam6_correction_mean vs Slug



Right In: -278.910 ± 1099.441 χ^2/NDF : 1.6/5

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: 384.243 ± 1777.396 χ^2/NDF : 4.4/5

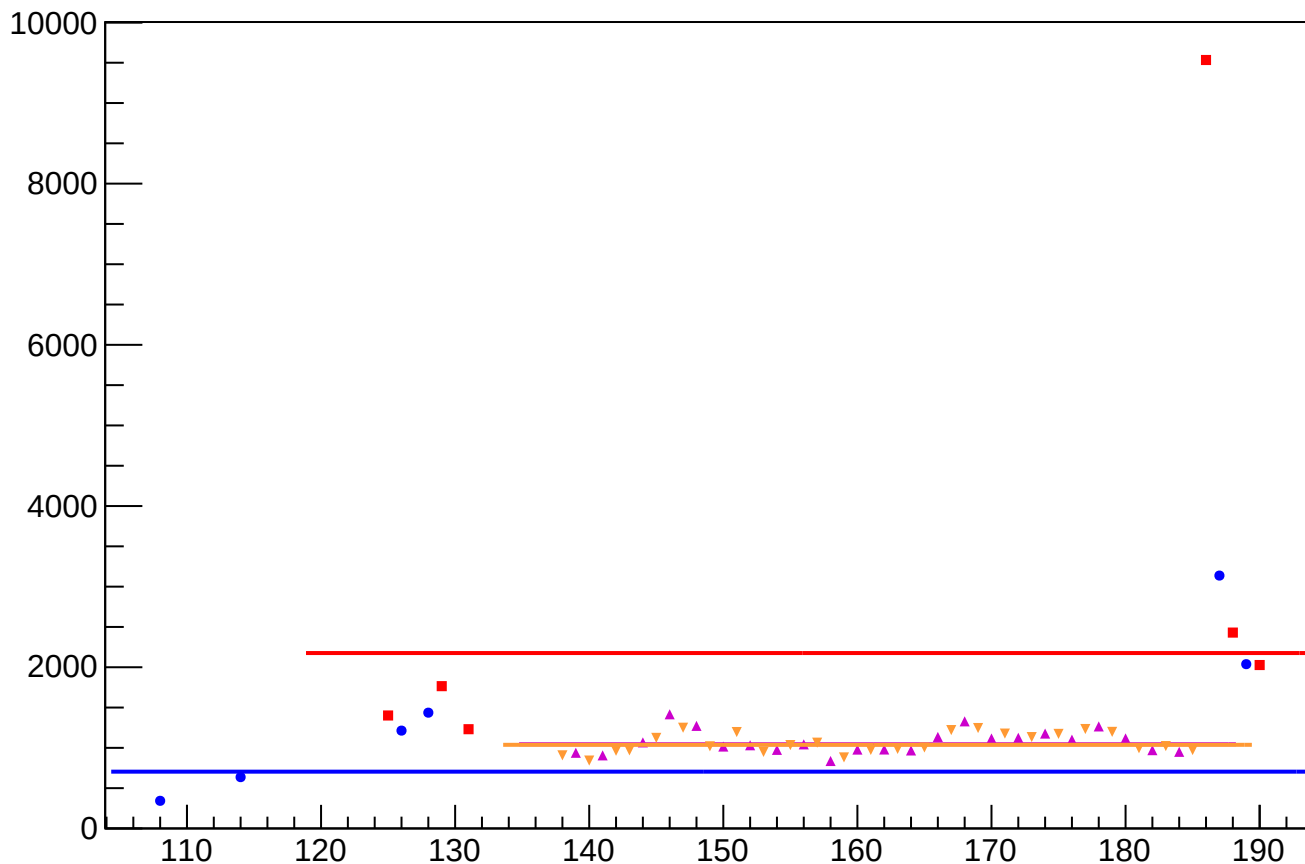
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 339.654 ± 237.758 χ^2/NDF : 32.4/30

All: 96.456 ± 172.206 χ^2/NDF : 75.5/59

- sign -171.905 ± 249.755 χ^2/NDF : 41.0/28

asym_sam6_correction_rms vs Slug



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: 2176.217+/-1.257 χ^2/NDF : 548877.4/5

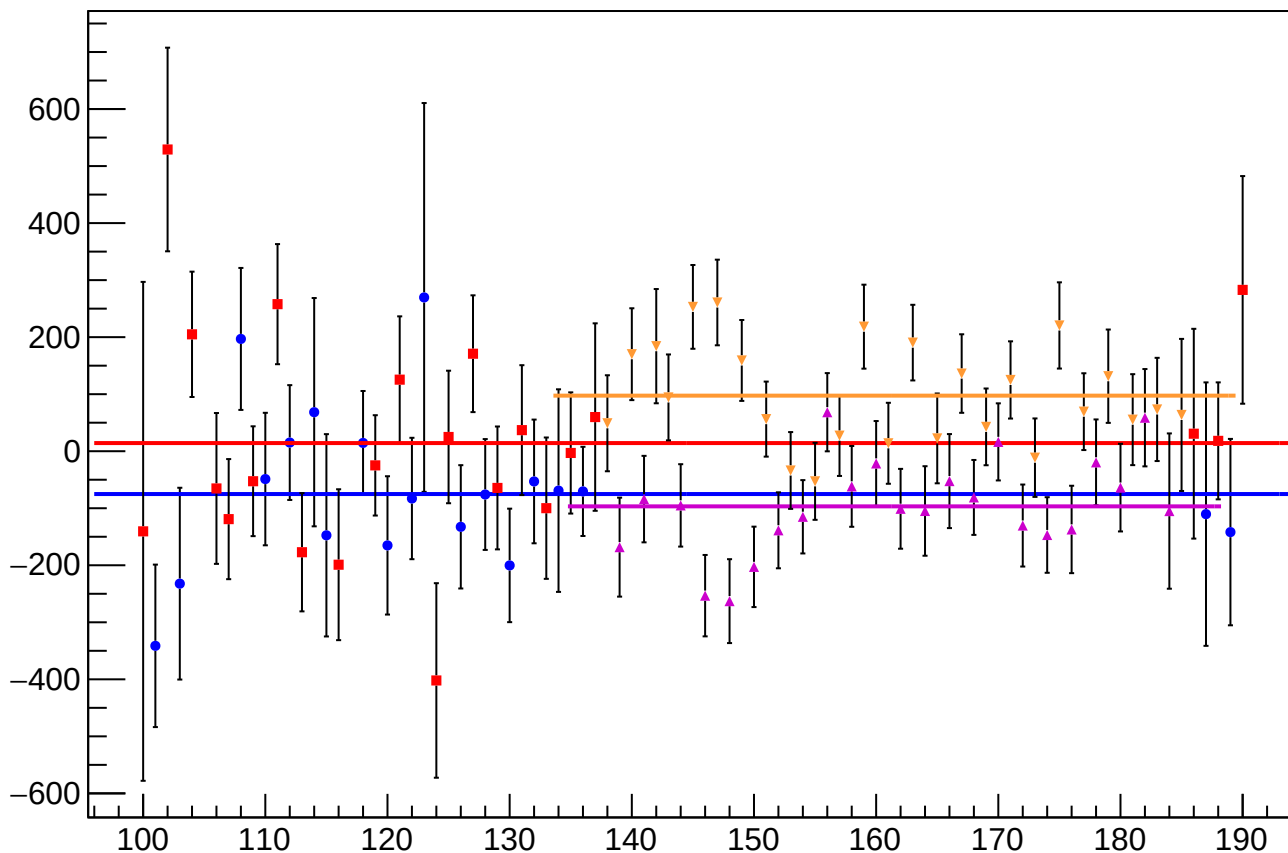
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1022.115+/-0.168 χ^2/NDF : 1388167.2/30

All: 1043.495+/-0.122 χ^2/NDF : 3308867.1/59

- sign 1067.087+/-0.177 χ^2/NDF : 1886681.7/28

reg_asym_sam7_mean vs Slug



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: 14.281 ± 25.542 χ^2/NDF : 38.1/21

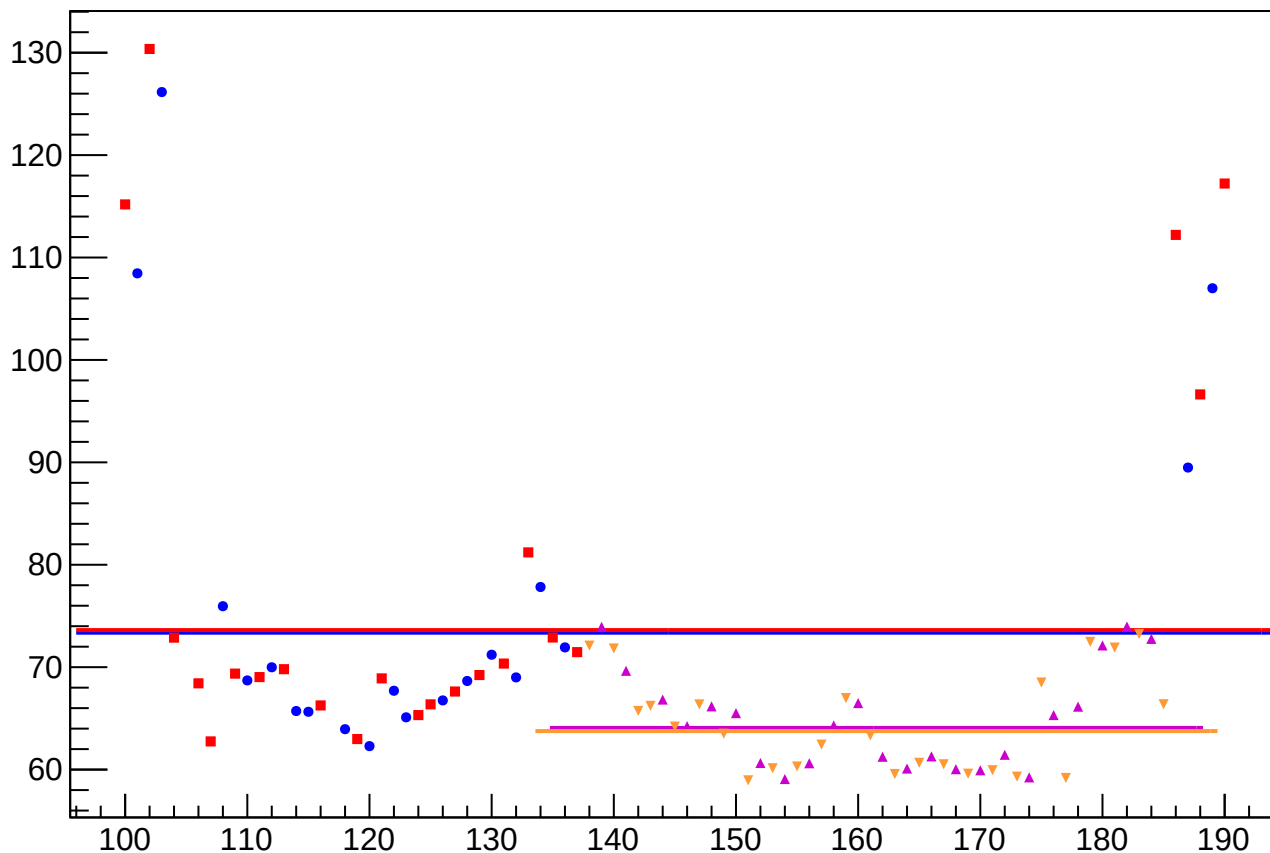
Left In: -96.704 ± 15.369 χ^2/NDF : 29.2/22

+ sign 59.042 ± 13.120 χ^2/NDF : 81.3/43

All: -3.843 ± 9.294 χ^2/NDF : 208.6/88

- sign -67.202 ± 13.169 χ^2/NDF : 81.2/44

reg_asym_sam7_rms vs Slug



Right In: 73.369+/-0.020 χ^2/NDF : 489168.8/18

Left Out: 63.761+/-0.011 χ^2/NDF : 192803.8/24

Right Out: 73.622+/-0.018 χ^2/NDF : 610478.0/21

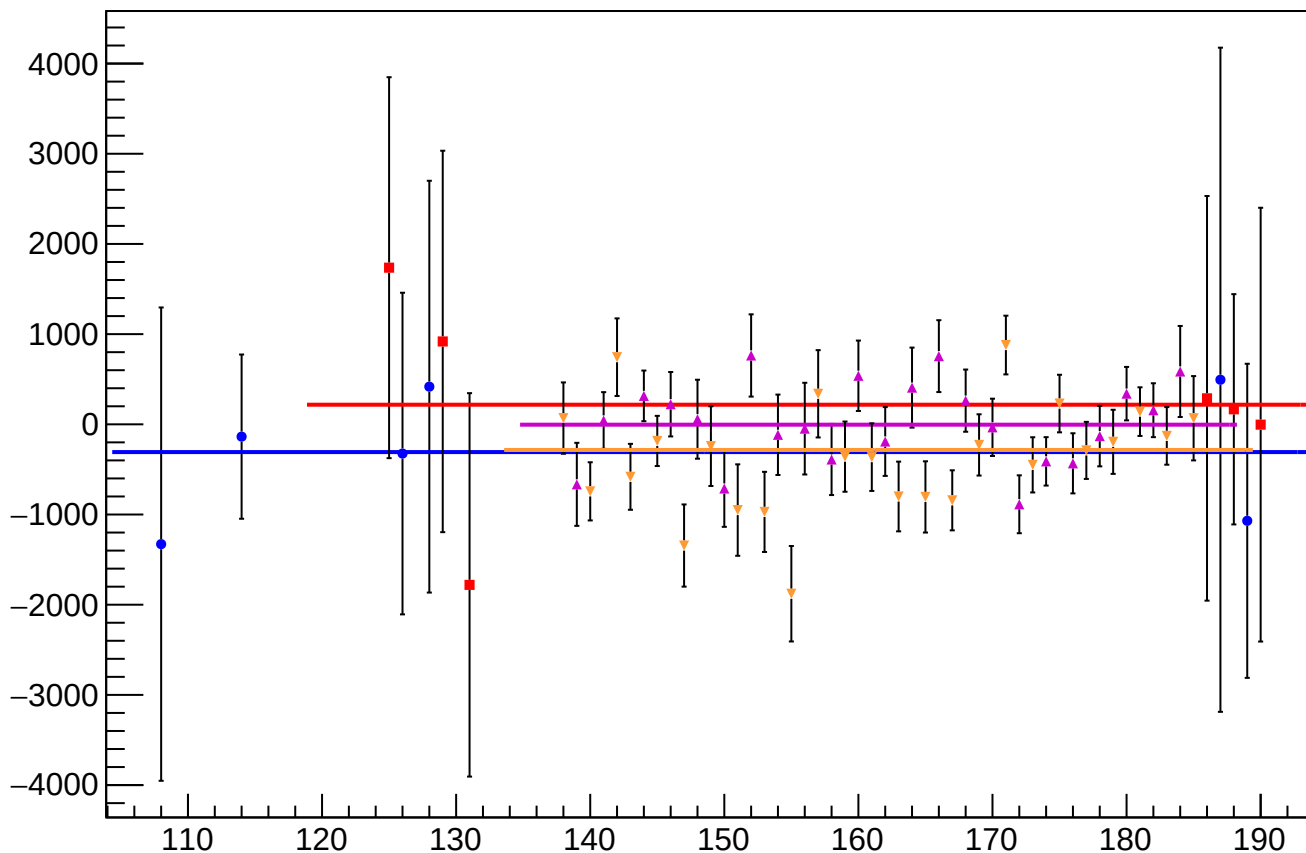
Left In: 64.069+/-0.011 χ^2/NDF : 164660.4/22

+ sign 65.899+/-0.009 χ^2/NDF : 867547.4/43

All: 66.252+/-0.007 χ^2/NDF : 1851028.6/88

- sign 66.608+/-0.009 χ^2/NDF : 980573.7/44

asym_sam7_correction_mean vs Slug



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: 217.532 $\pm$ 777.437 χ^2 /NDF: 1.5/5

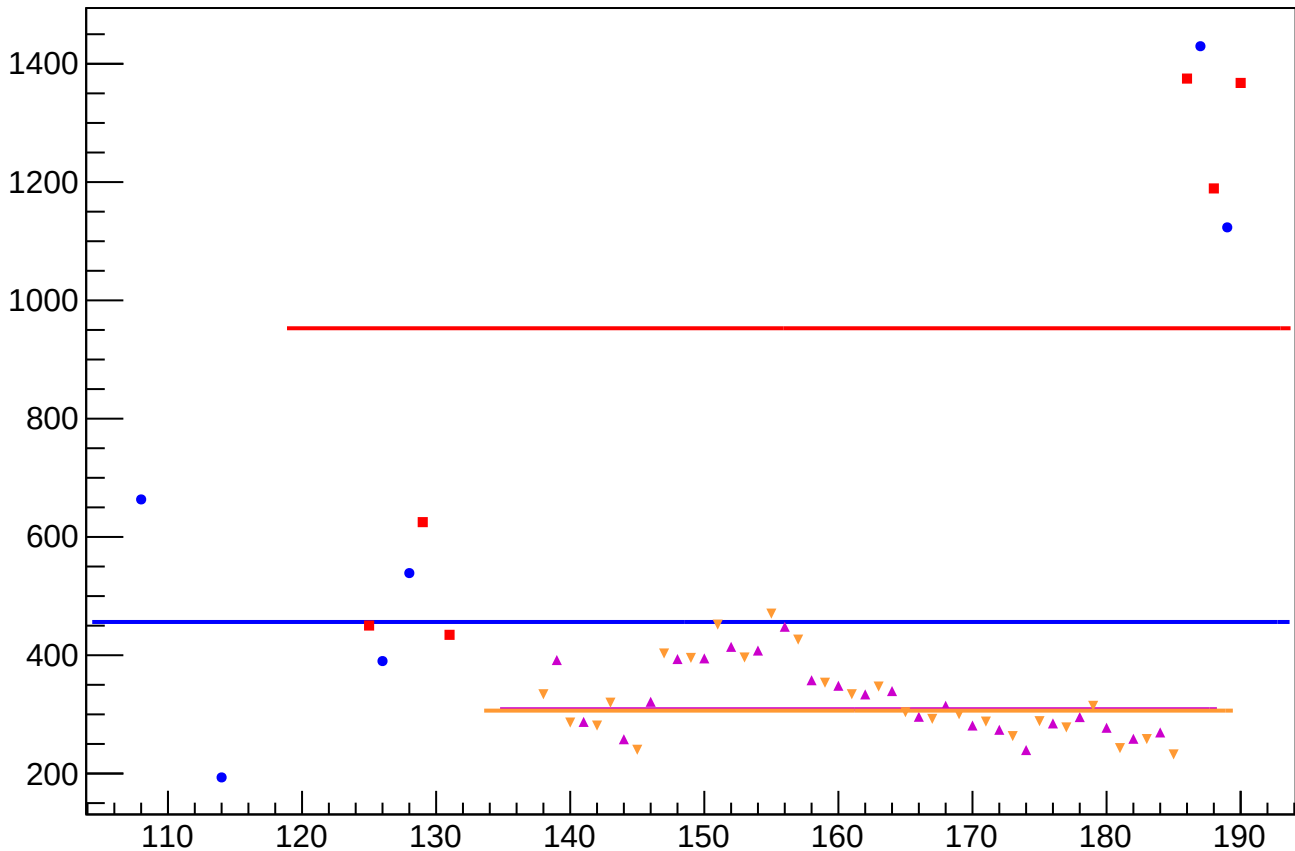
Left In: -4.037 $\pm$ 75.084 χ^2 /NDF: 32.4/22

+ sign -284.580 $\pm$ 72.301 χ^2 /NDF: 55.6/30

All: -147.964 $\pm$ 51.964 χ^2 /NDF: 96.9/59

- sign -1.989 $\pm$ 74.737 χ^2 /NDF: 34.0/28

asym_sam7_correction_rms vs Slug



Right In: 456.242+/-0.470 χ^2/NDF : 617928.7/5

Left Out: 306.363+/-0.051 χ^2/NDF :1215669.9/24

Right Out: 952.850+/-0.550 χ^2/NDF : 479210.7/5

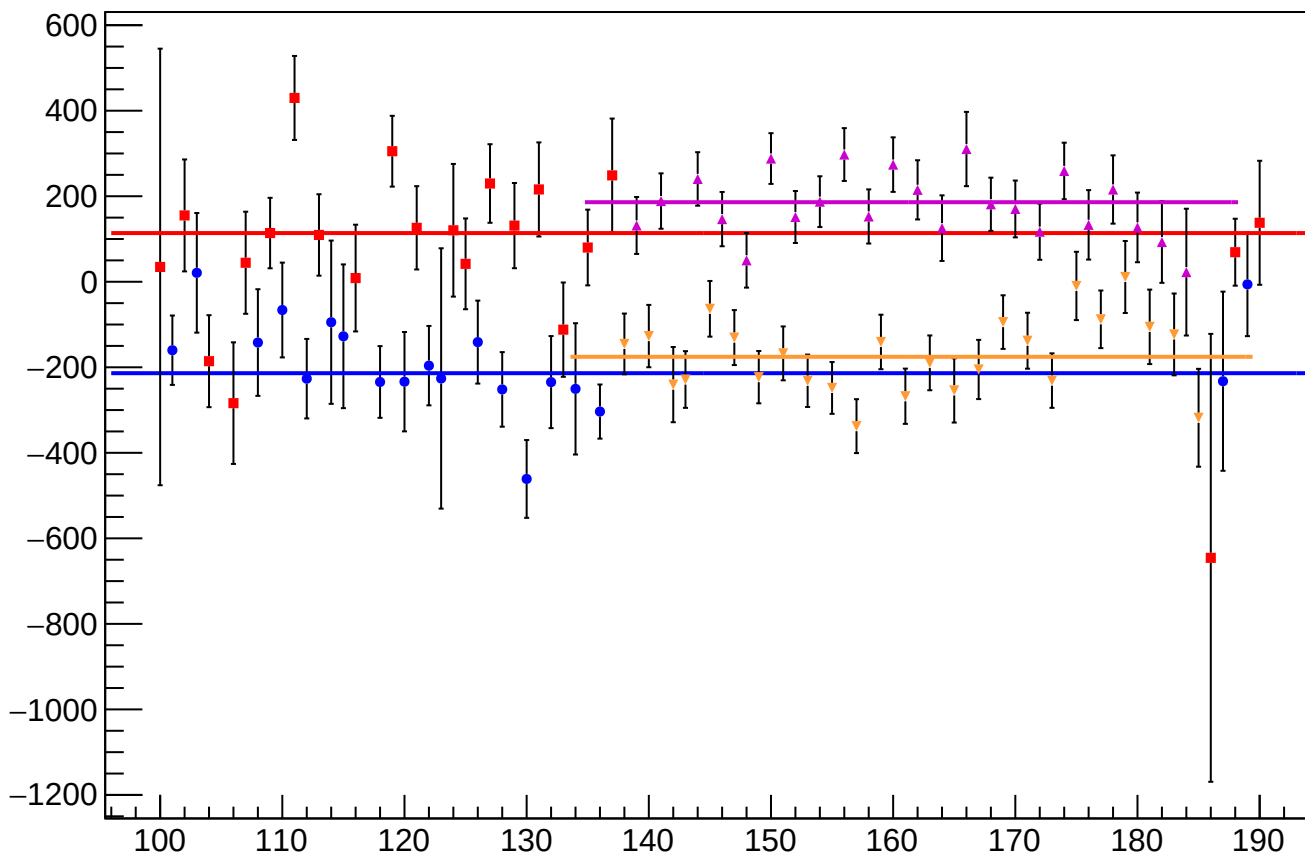
Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

+ sign 308.135+/-0.051 χ^2/NDF : 1933996.6/30

All: 311.299+/-0.037 χ^2/NDF : 4784284.3/59

- sign 314.679+/-0.053 χ^2/NDF : 2842365.6/28

reg_asym_sam8_mean vs Slug



Right In: -213.806 ± 24.264 χ^2/NDF : 19.4/18

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 113.878 ± 23.199 χ^2/NDF : 43.2/21

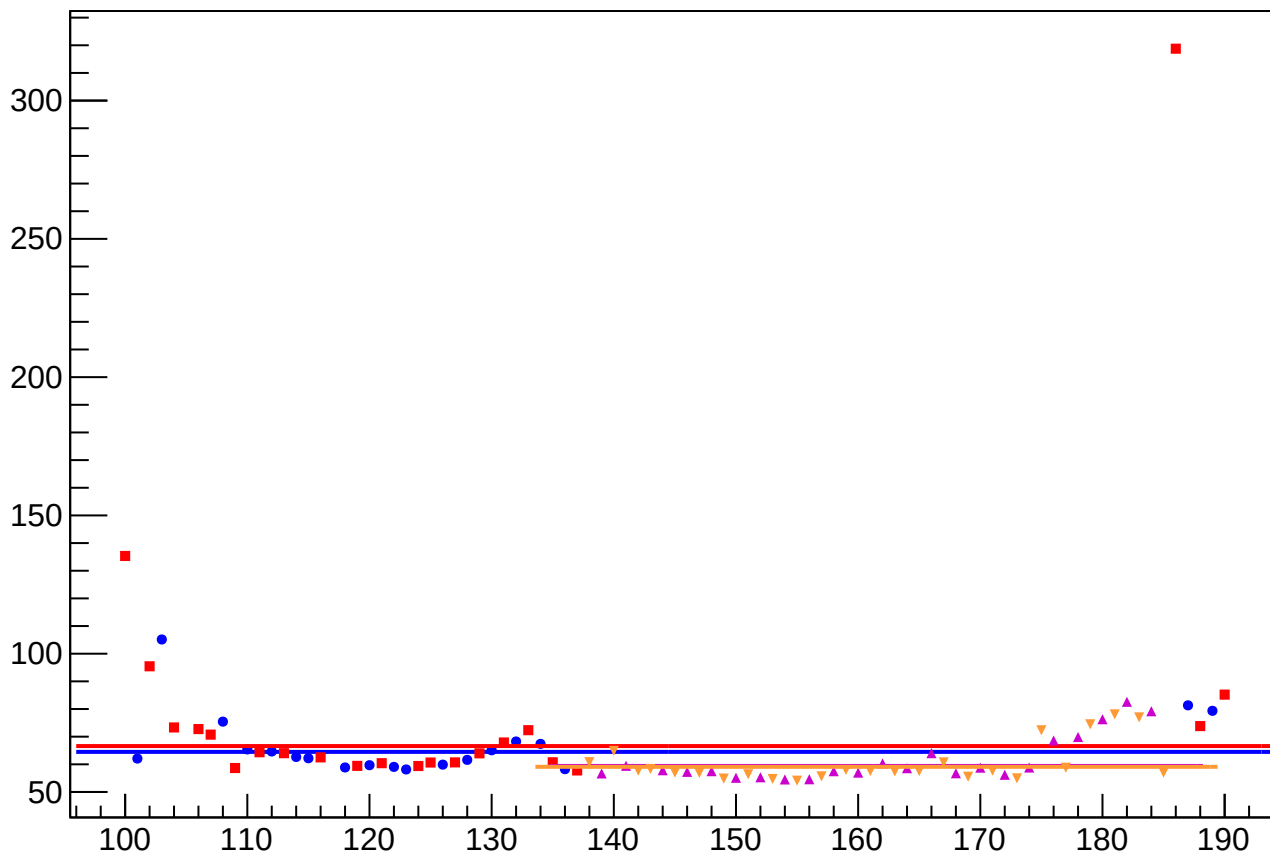
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -184.887 ± 12.026 χ^2/NDF : 55.9/43

All: -11.649 ± 8.558 χ^2/NDF : 550.2/88

- sign 166.145 ± 12.183 χ^2/NDF : 73.8/44

reg_asym_sam8_rms vs Slug



Right In: 64.497 $\pm$ 0.017 χ^2 /NDF: 279286.6/18

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 66.602 $\pm$ 0.016 χ^2 /NDF: 750785.2/21

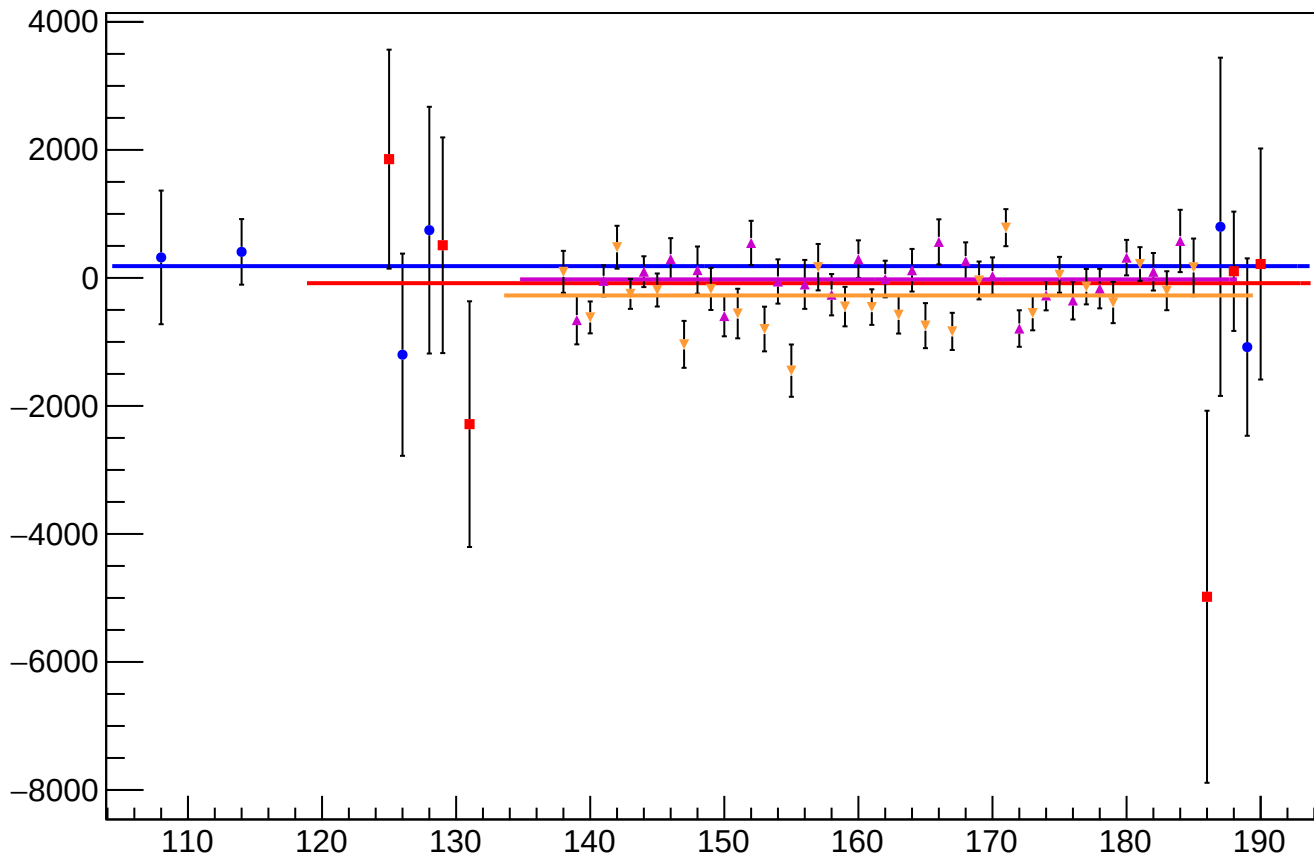
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 60.425 $\pm$ 0.009 χ^2 /NDF: 723729.4/43

All: 60.903 $\pm$ 0.006 χ^2 /NDF: 1993166.8/88

- sign 61.394 $\pm$ 0.009 χ^2 /NDF: 1263035.8/44

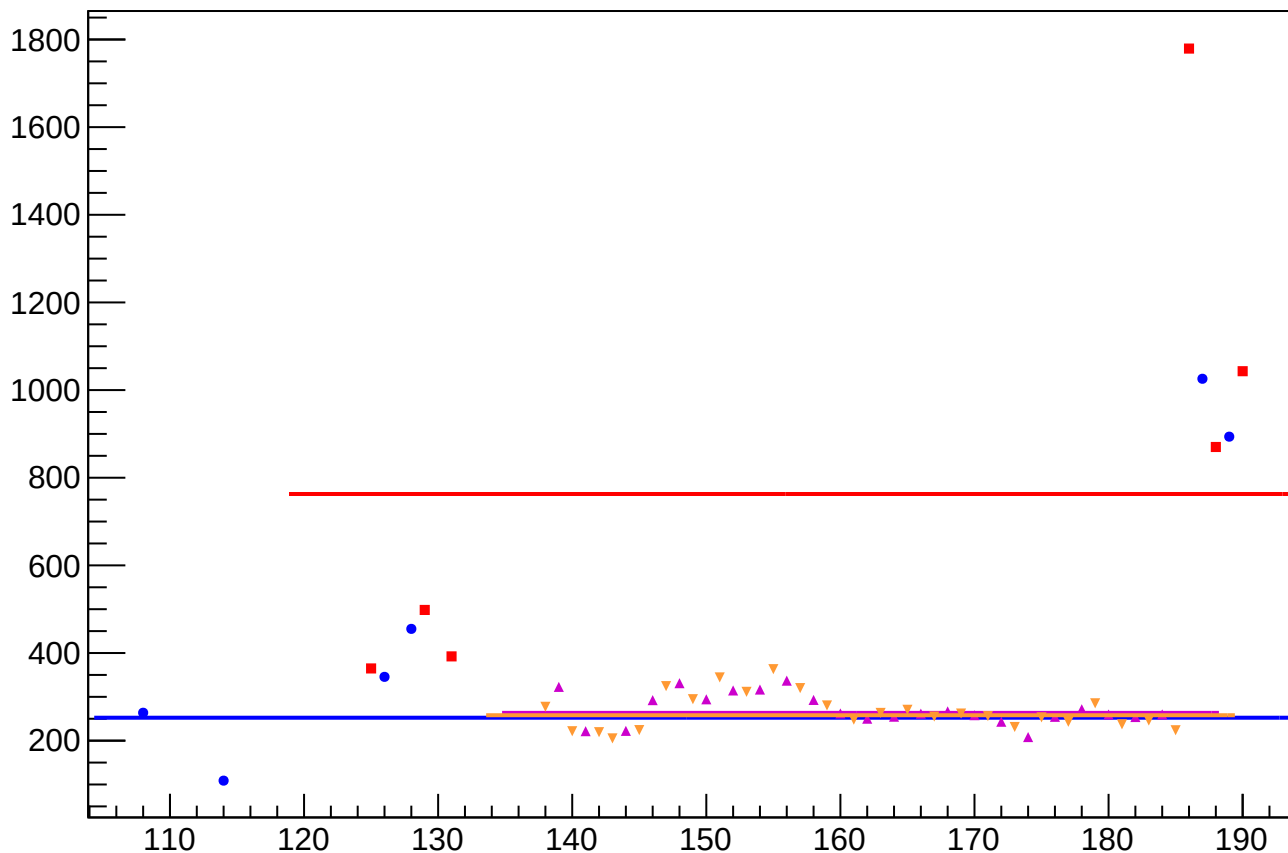
asym_sam8_correction_mean vs Slug



Right In: 184.150 ± 406.180 χ^2/NDF : 1.9/5
Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24
Right Out: -82.246 ± 627.206 χ^2/NDF : 5.6/5
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -264.049 ± 60.129 χ^2/NDF : 57.1/30
All: -149.859 ± 43.602 χ^2/NDF : 99.2/59
- sign -23.238 ± 63.318 χ^2/NDF : 34.5/28

asym_sam8_correction_rms vs Slug



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: 762.874+/-0.444 χ^2/NDF : 551445.8/5

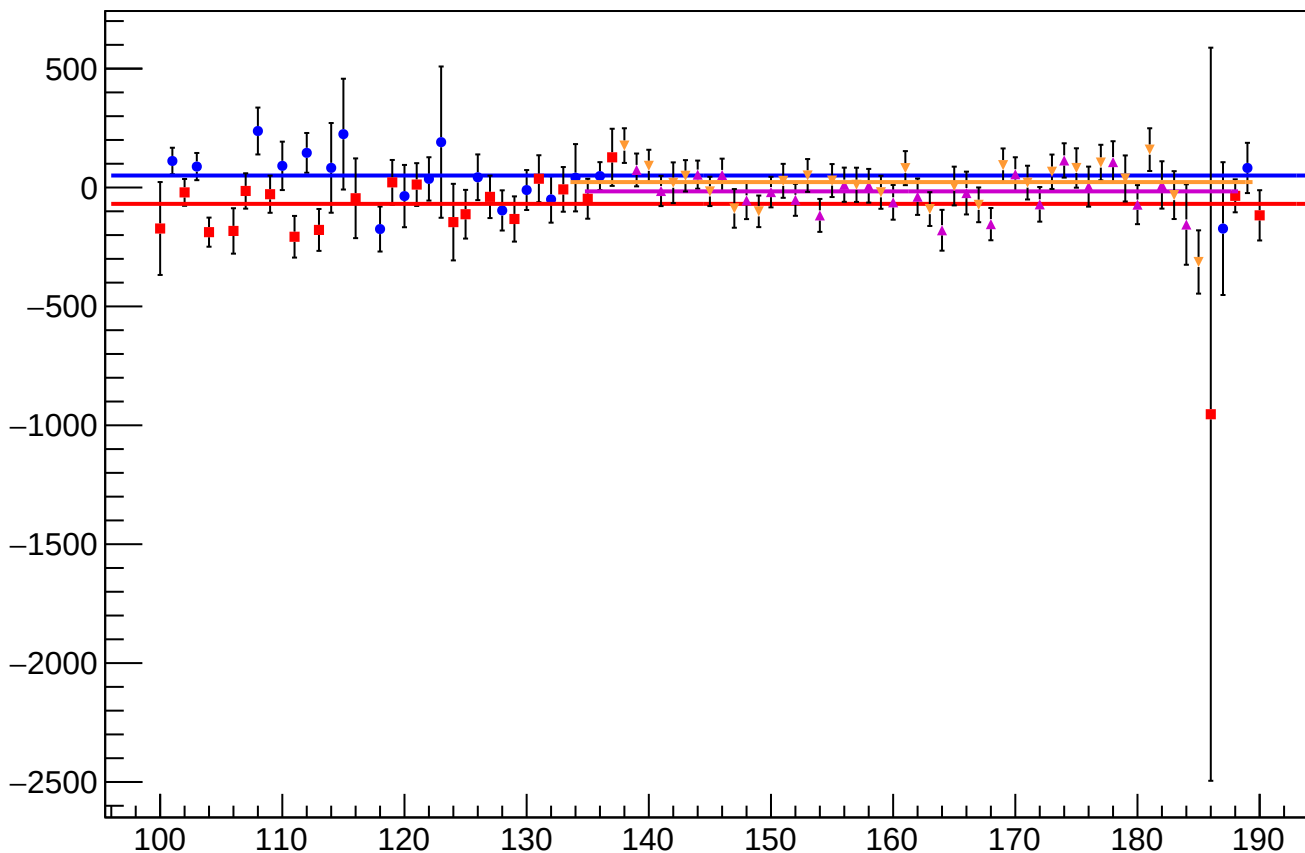
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 257.916+/-0.043 χ^2/NDF : 1511306.2/30

All: 262.929+/-0.031 χ^2/NDF : 3933095.6/59

- sign 268.487+/-0.045 χ^2/NDF : 2392476.9/28

reg_asym_sam_15_avg_mean vs Slug



Right In: 50.461 ± 21.053 χ^2/NDF : 18.9/18

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -68.757 ± 19.282 χ^2/NDF : 18.8/21

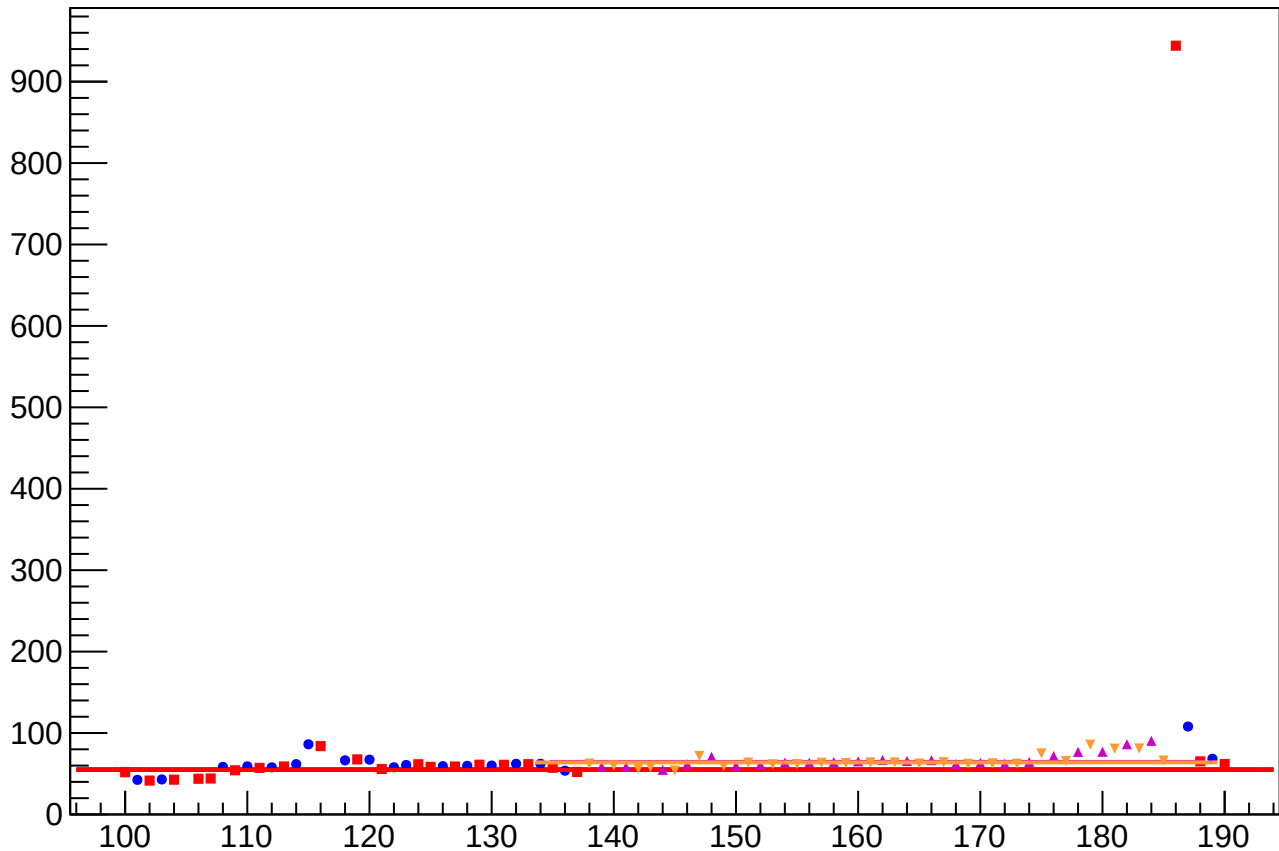
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 32.134 ± 12.199 χ^2/NDF : 49.1/43

All: -2.667 ± 8.589 χ^2/NDF : 111.9/88

- sign -36.879 ± 12.095 χ^2/NDF : 46.7/44

reg_asym_sam_15_avg_rms vs Slug



Right In: 55.488 $\pm$ 0.015 χ^2 /NDF: 422449.2/18

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 54.574 $\pm$ 0.014 χ^2 /NDF: 1119306.0/21

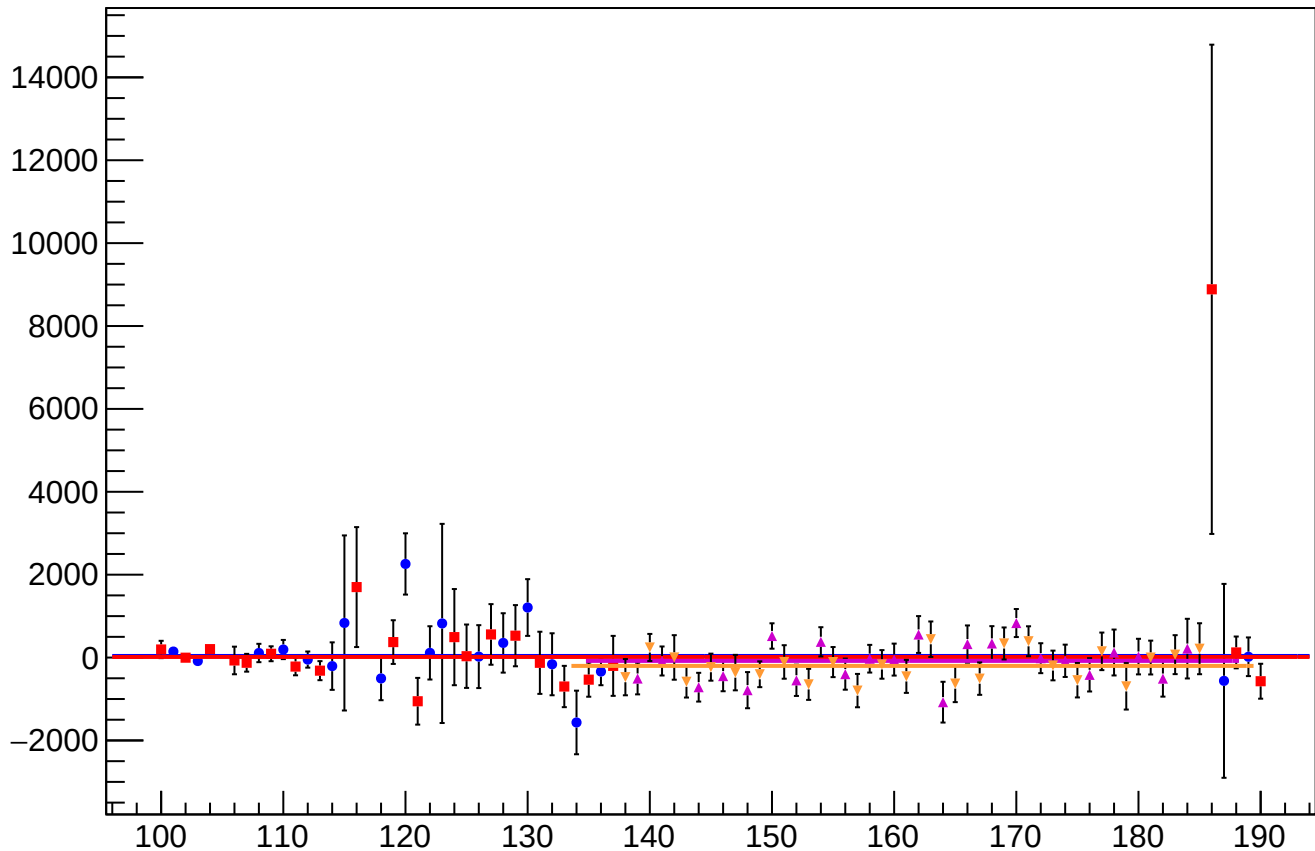
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.089 $\pm$ 0.009 χ^2 /NDF: 1030958.4/43

All: 60.843 $\pm$ 0.006 χ^2 /NDF: 2844511.0/88

- sign 60.601 $\pm$ 0.009 χ^2 /NDF: 1811940.5/44

asym_sam_15_avg_correction_mean vs Slug



Right In: 38.489 ± 51.237 χ^2/NDF : 23.9/18

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: 14.870 ± 52.371 χ^2/NDF : 23.1/21

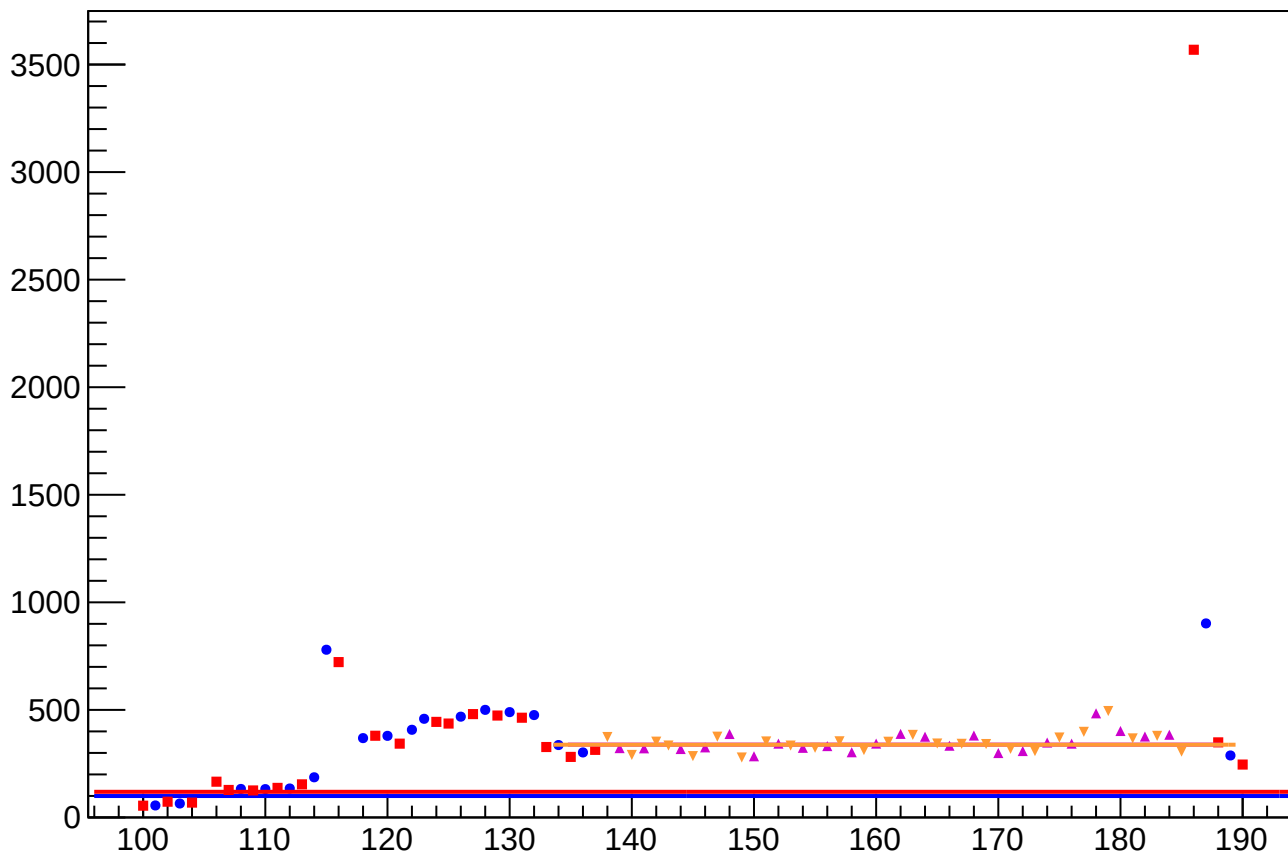
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -31.757 ± 43.075 χ^2/NDF : 50.0/43

All: -22.461 ± 30.816 χ^2/NDF : 107.5/88

- sign -12.715 ± 44.103 χ^2/NDF : 57.4/44

asym_sam_15_avg_correction_rms vs Slug



Right In: 99.593+/-0.036 χ^2/NDF : 6367896.2/18

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 119.257+/-0.037 χ^2/NDF : 6628425.9/21

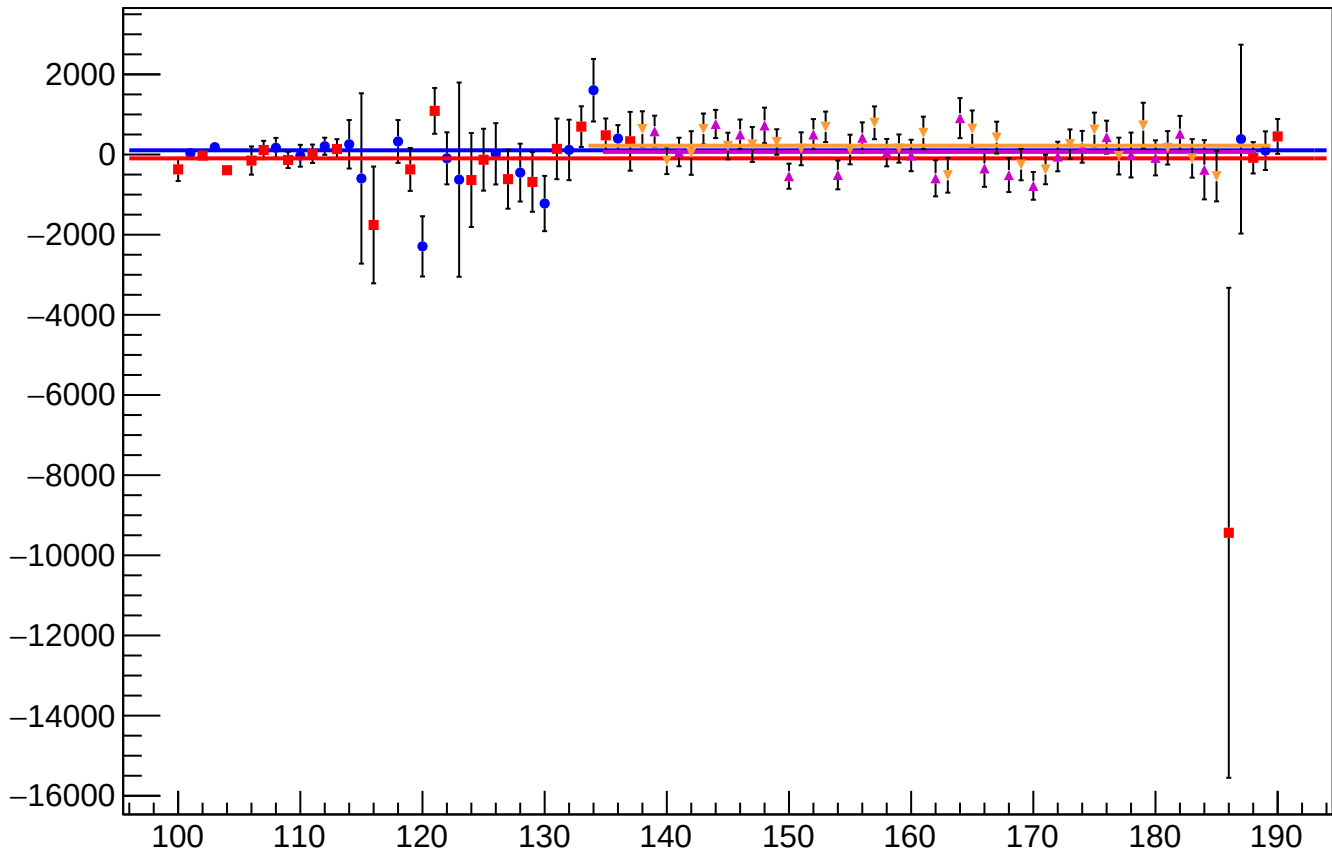
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 169.536+/-0.030 χ^2/NDF : 19576981.0/43

All: 176.126+/-0.022 χ^2/NDF : 36938248.7/80

- sign 183.036+/-0.031 χ^2/NDF : 17265357.8/44

asym_sam_15_avg_mean vs Slug



Right In: 105.708 $\pm$ 62.628 χ^2 /NDF: 21.0/18

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -95.578 $\pm$ 59.584 χ^2 /NDF: 25.2/21

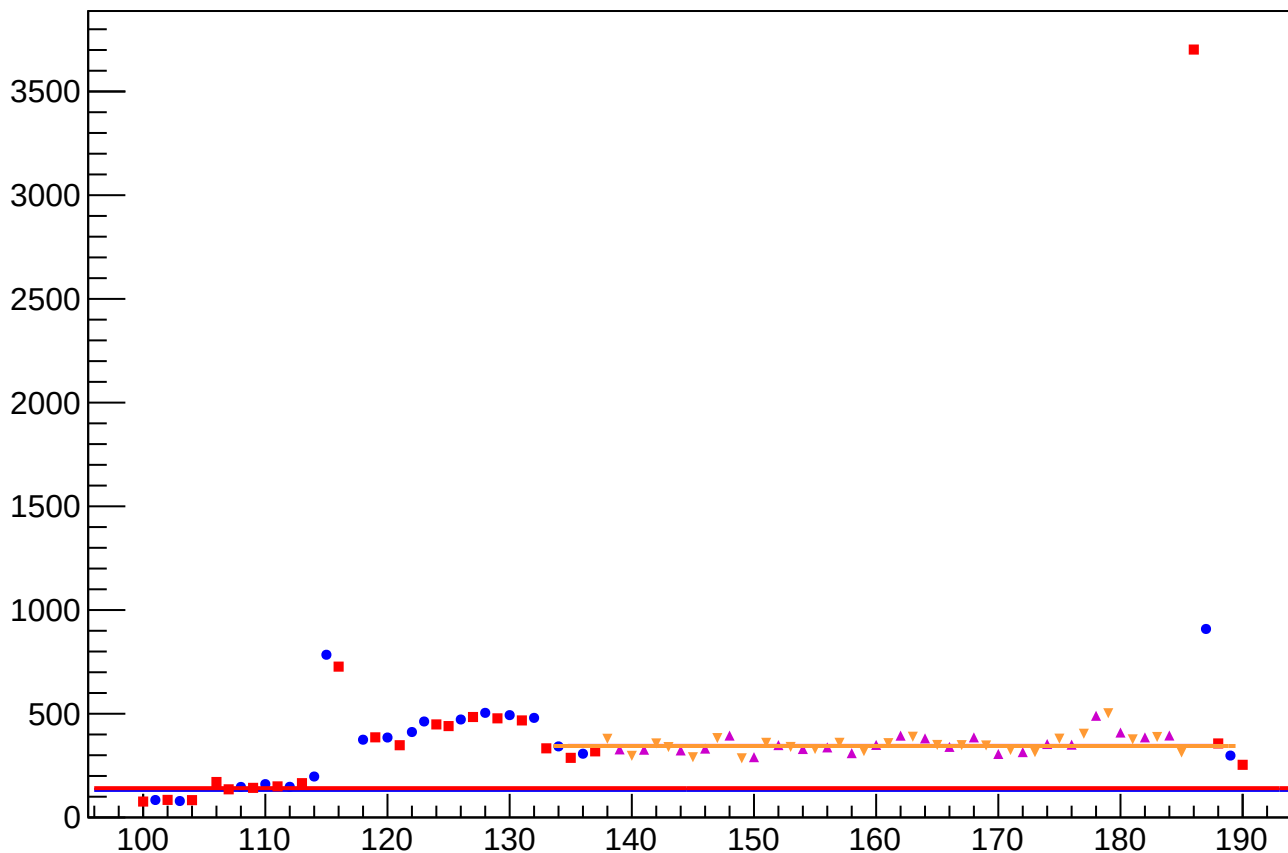
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 148.863 $\pm$ 49.550 χ^2 /NDF: 42.0/43

All: 51.796 $\pm$ 34.648 χ^2 /NDF: 111.1/88

- sign -41.071 $\pm$ 48.466 χ^2 /NDF: 61.6/44

asym_sam_15_avg_rms vs Slug



Right In: 132.782 $\pm$ 0.044 χ^2 /NDF: 5217364.5/18

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF:488323.4/24

Right Out: 141.206 $\pm$ 0.042 χ^2 /NDF: 5800892.1/21

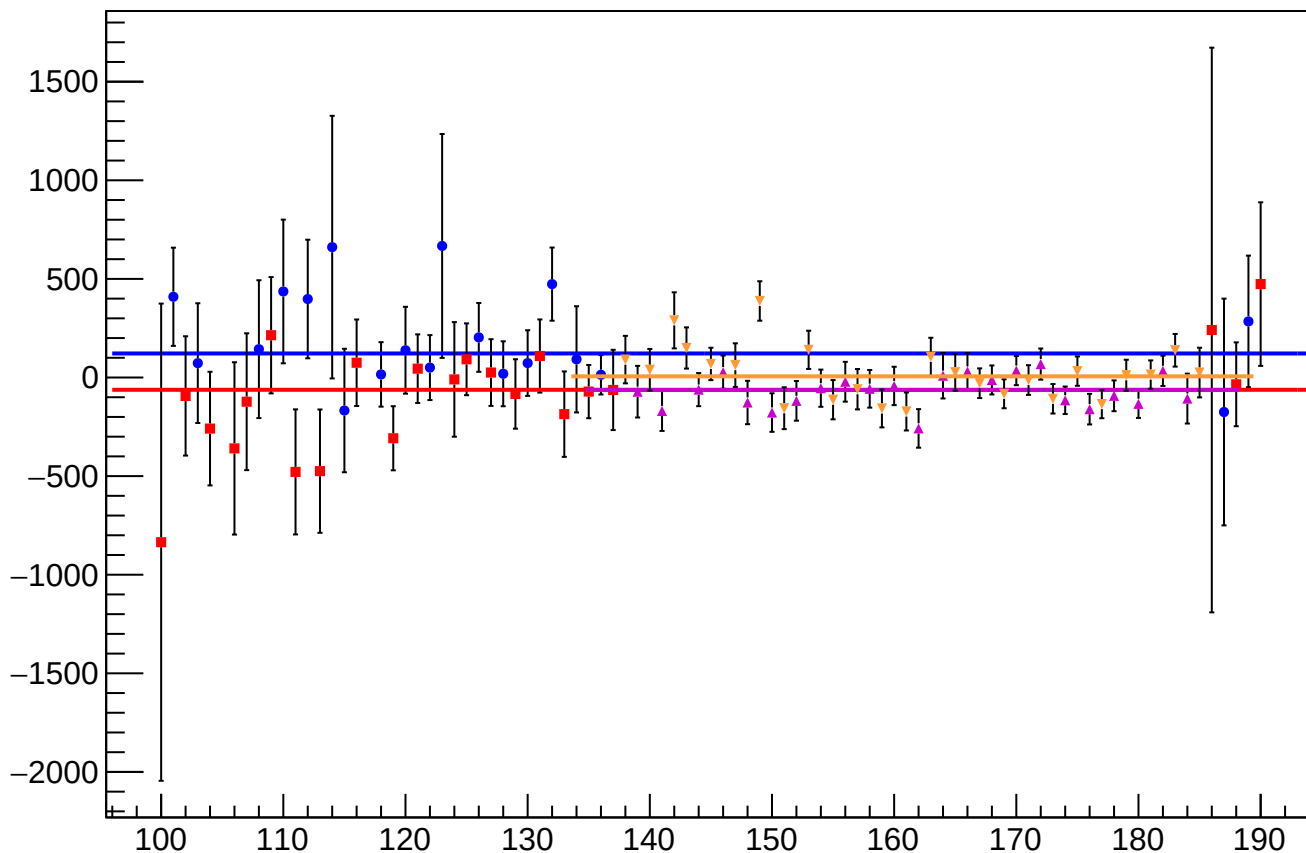
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF:427381.3/22

+ sign 211.975 $\pm$ 0.035 χ^2 /NDF: 14255324.5/43

All: 211.056 $\pm$ 0.024 χ^2 /NDF: 28404623.5/80

- sign 210.177 $\pm$ 0.034 χ^2 /NDF: 14147952.8/44

reg_asym_sam_26_avg_mean vs Slug



Right In: 121.952 ± 48.501 $\chi^2/\text{NDF}: 12.0/18$

Left Out: 6.020 ± 17.910 $\chi^2/\text{NDF}: 46.0/24$

Right Out: -62.302 ± 48.358 $\chi^2/\text{NDF}: 12.7/21$

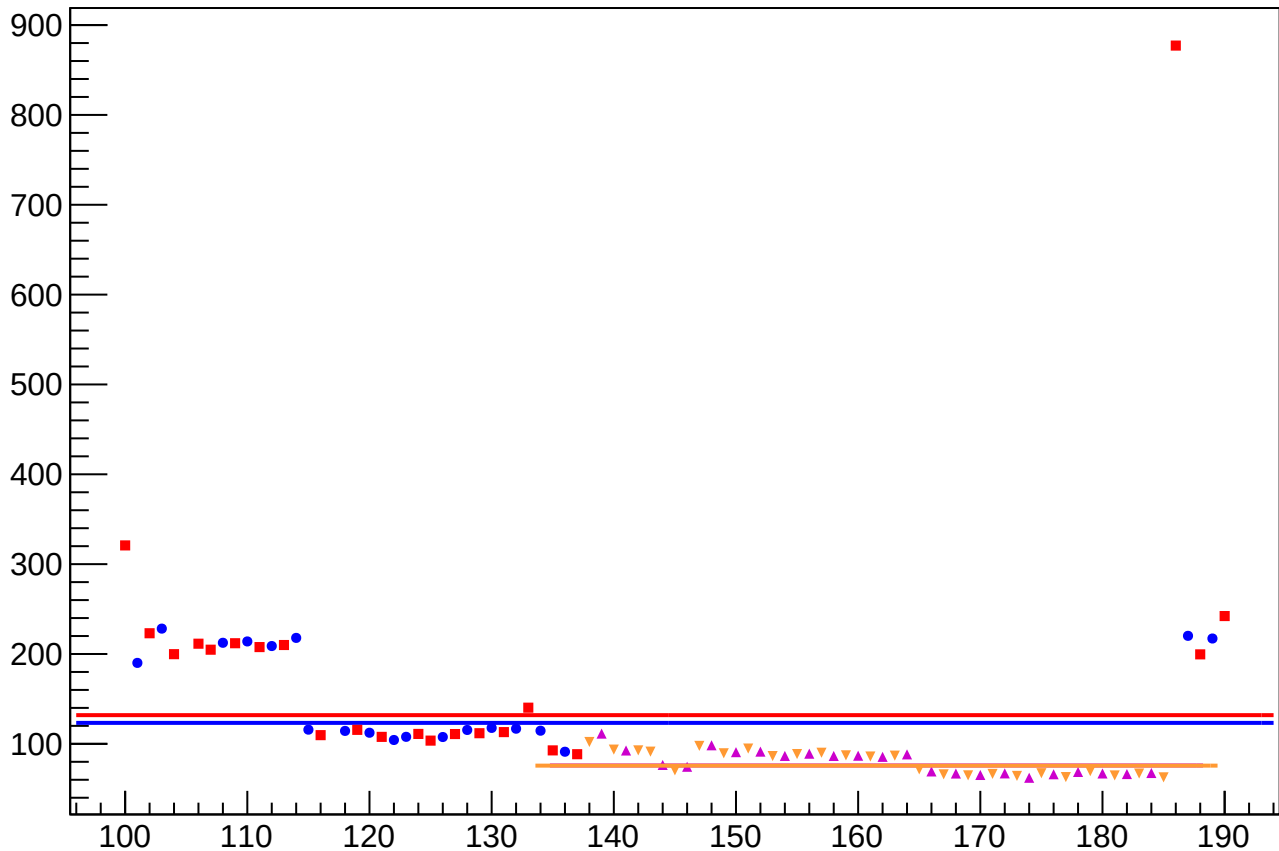
Left In: -63.279 ± 18.447 $\chi^2/\text{NDF}: 19.8/22$

+ sign 19.931 ± 16.801 $\chi^2/\text{NDF}: 63.0/43$

All: -20.552 ± 12.031 $\chi^2/\text{NDF}: 107.5/88$

- sign -63.155 ± 17.235 $\chi^2/\text{NDF}: 32.6/44$

reg_asym_sam_26_avg_rms vs Slug



Right In: 123.328 $\pm$ 0.034 χ^2 /NDF: 1328828.9/18

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 131.934 $\pm$ 0.034 χ^2 /NDF: 2246949.5/21

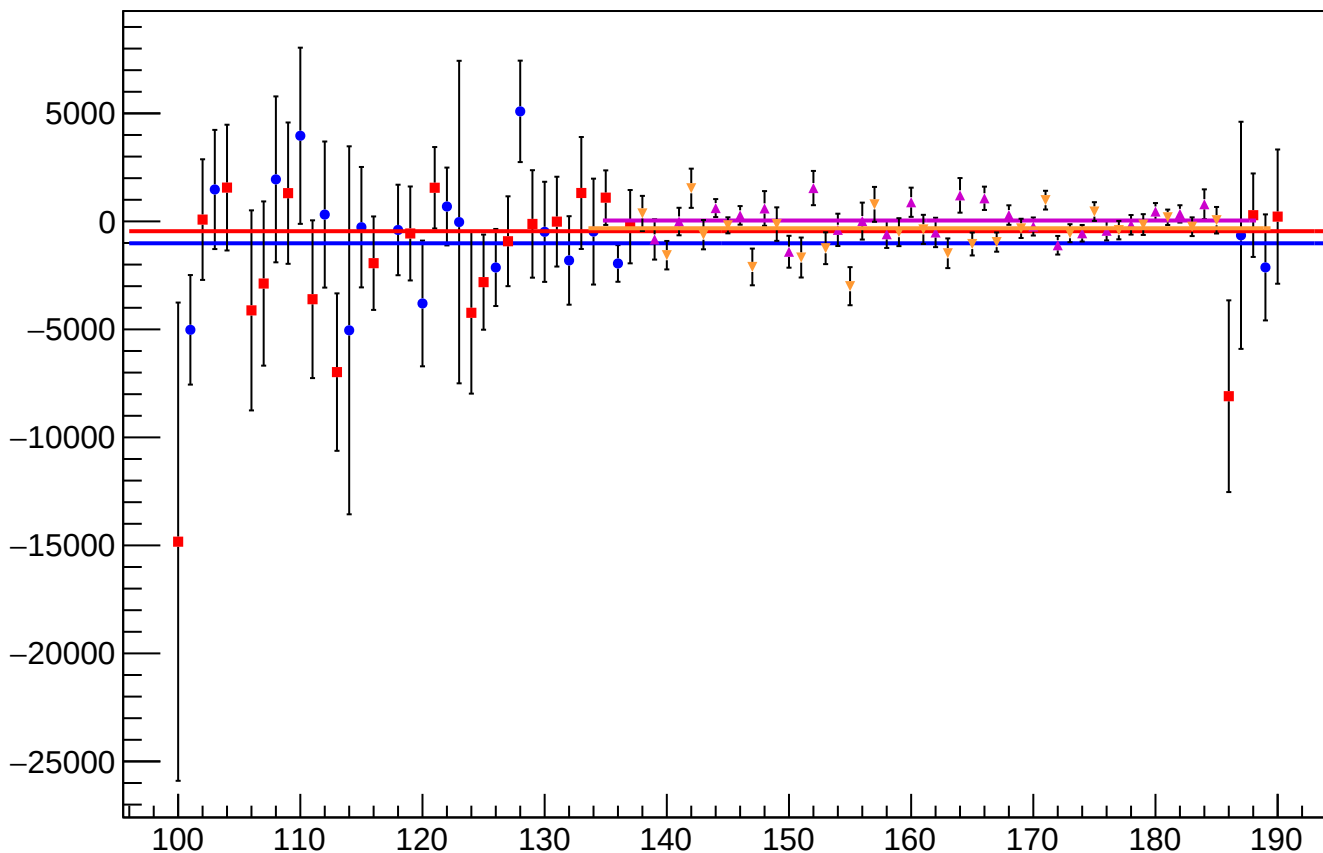
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 81.453 $\pm$ 0.012 χ^2 /NDF: 3960805.0/43

All: 82.219 $\pm$ 0.009 χ^2 /NDF: 9391073.4/88

- sign 83.026 $\pm$ 0.012 χ^2 /NDF: 5421724.1/44

asym_sam_26_avg_correction_mean vs Slug



Right In: -1013.987 ± 500.257 χ^2/NDF : 16.6/18

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -454.757 ± 515.244 χ^2/NDF : 16.5/21

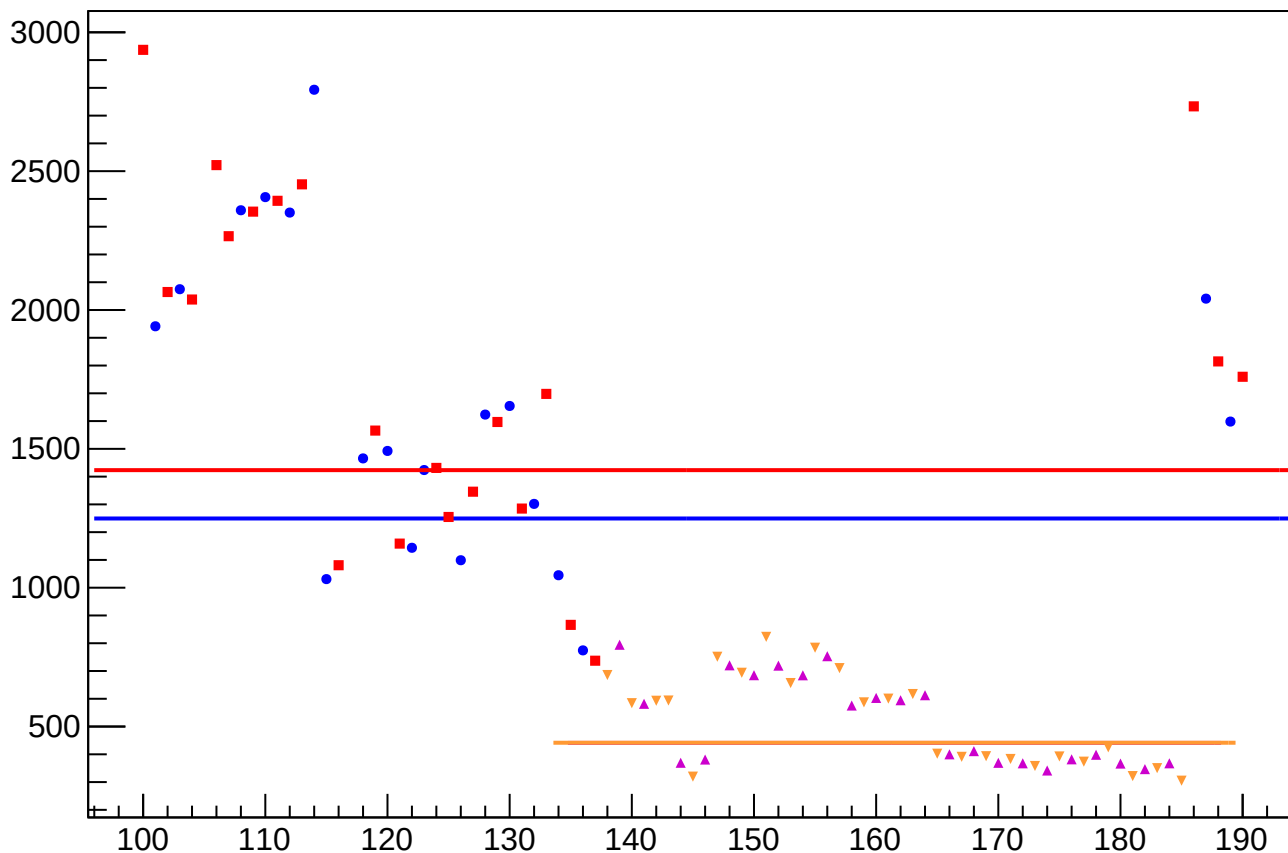
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -349.063 ± 105.581 χ^2/NDF : 68.5/43

All: -168.982 ± 75.433 χ^2/NDF : 126.5/88

- sign 18.790 ± 107.812 χ^2/NDF : 52.1/44

asym_sam_26_avg_correction_rms vs Slug



Right In: 1249.228 $\pm$ 0.354 χ^2 /NDF: 1844112.4/18

Left Out: 441.685 $\pm$ 0.076 χ^2 /NDF: 3169140.9/24

Right Out: 1423.329 $\pm$ 0.364 χ^2 /NDF: 2054709.5/21

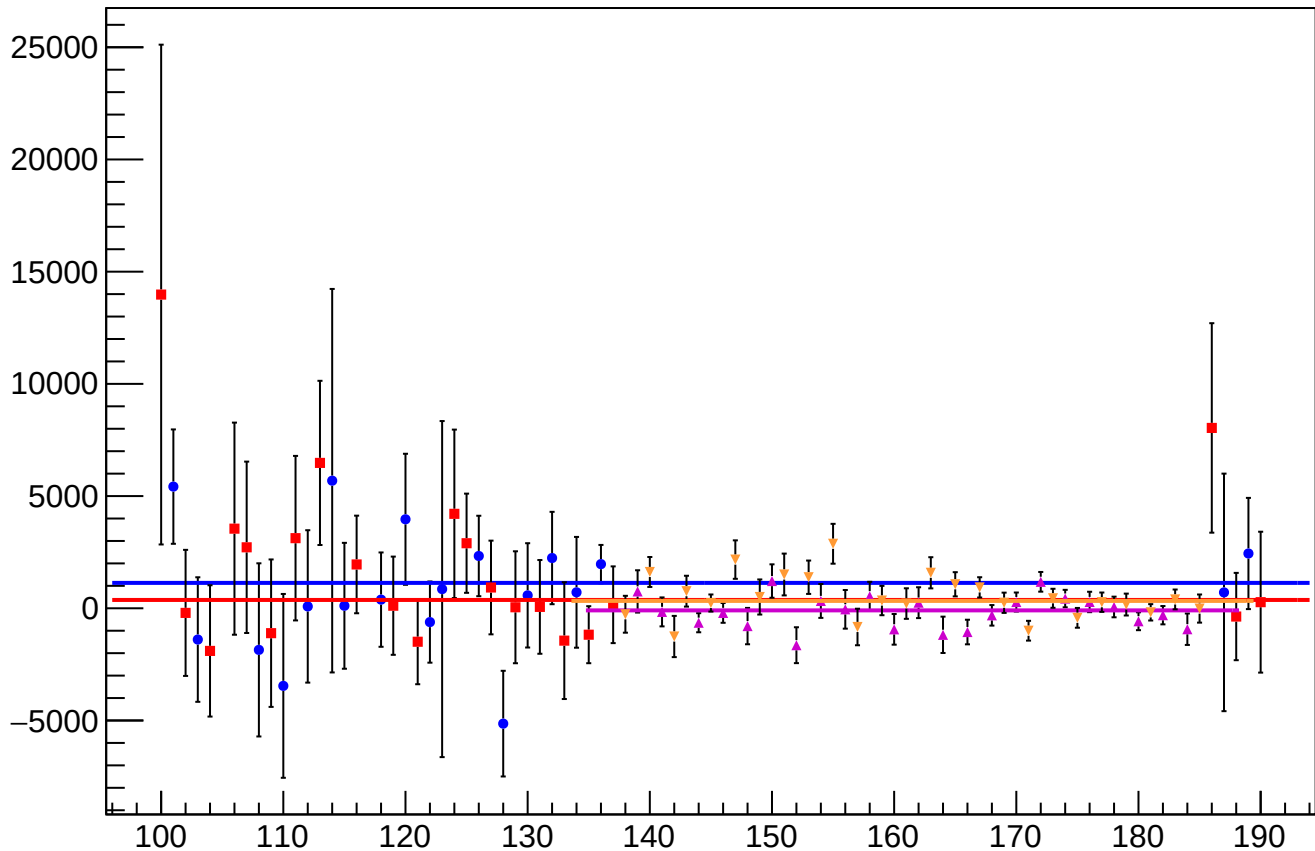
Left In: 441.009 $\pm$ 0.078 χ^2 /NDF: 2597018.1/22

+ sign 477.655 $\pm$ 0.075 χ^2 /NDF: 9992770.3/43

All: 480.770 $\pm$ 0.053 χ^2 /NDF: 21599369.3/88

- sign 484.018 $\pm$ 0.076 χ^2 /NDF: 11603043.4/44

asym_sam_26_avg_mean vs Slug



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: 371.294 $\pm$ 518.343 χ^2 /NDF: 15.3/21

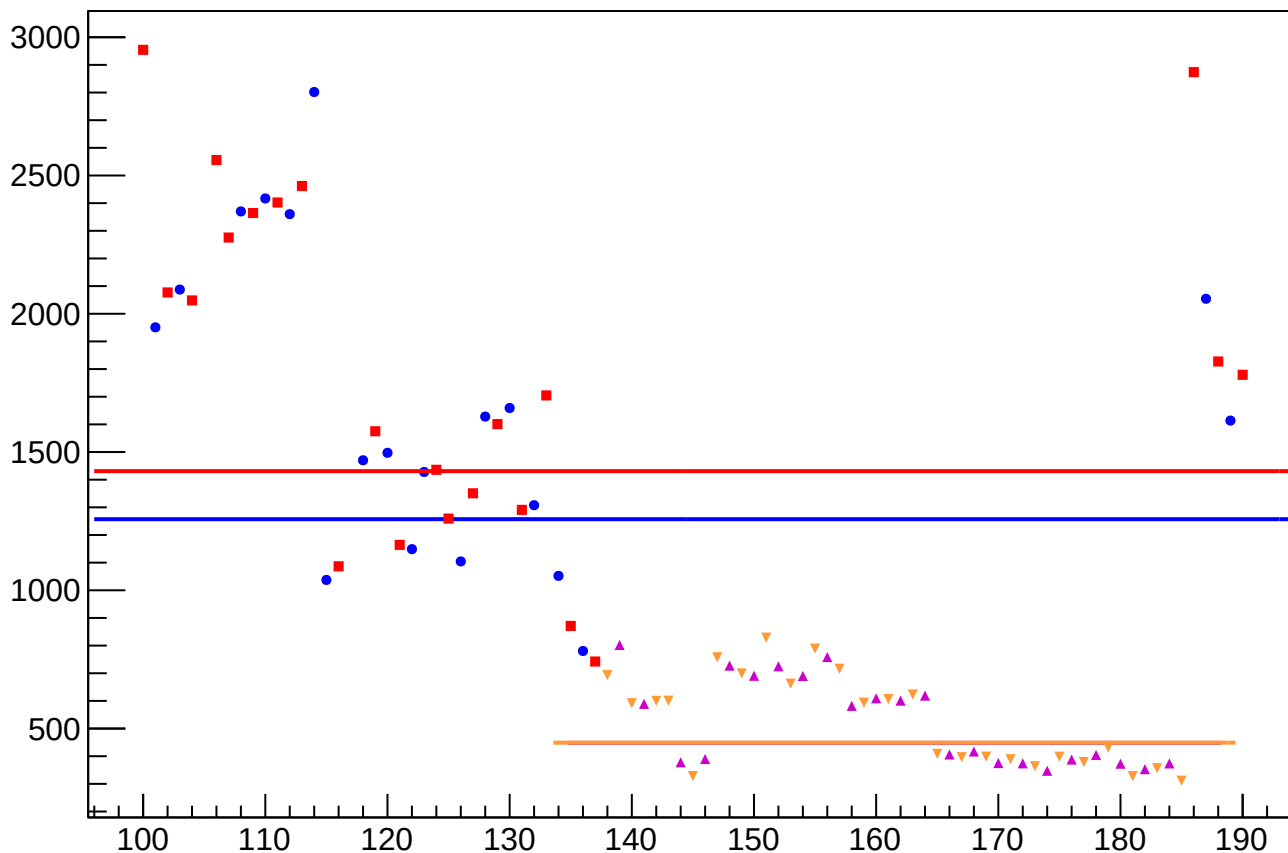
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 365.015 $\pm$ 107.153 χ^2 /NDF: 67.3/43

All: 150.820 $\pm$ 76.563 χ^2 /NDF: 124.9/88

- sign -72.601 $\pm$ 109.436 χ^2 /NDF: 49.4/44

asym_sam_26_avg_rms vs Slug



Right In: 1257.198 $\pm$ 0.356 χ^2 /NDF: 1832709.3/18

Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF: 3090476.2/24

Right Out: 1430.881 $\pm$ 0.367 χ^2 /NDF: 2069605.0/21

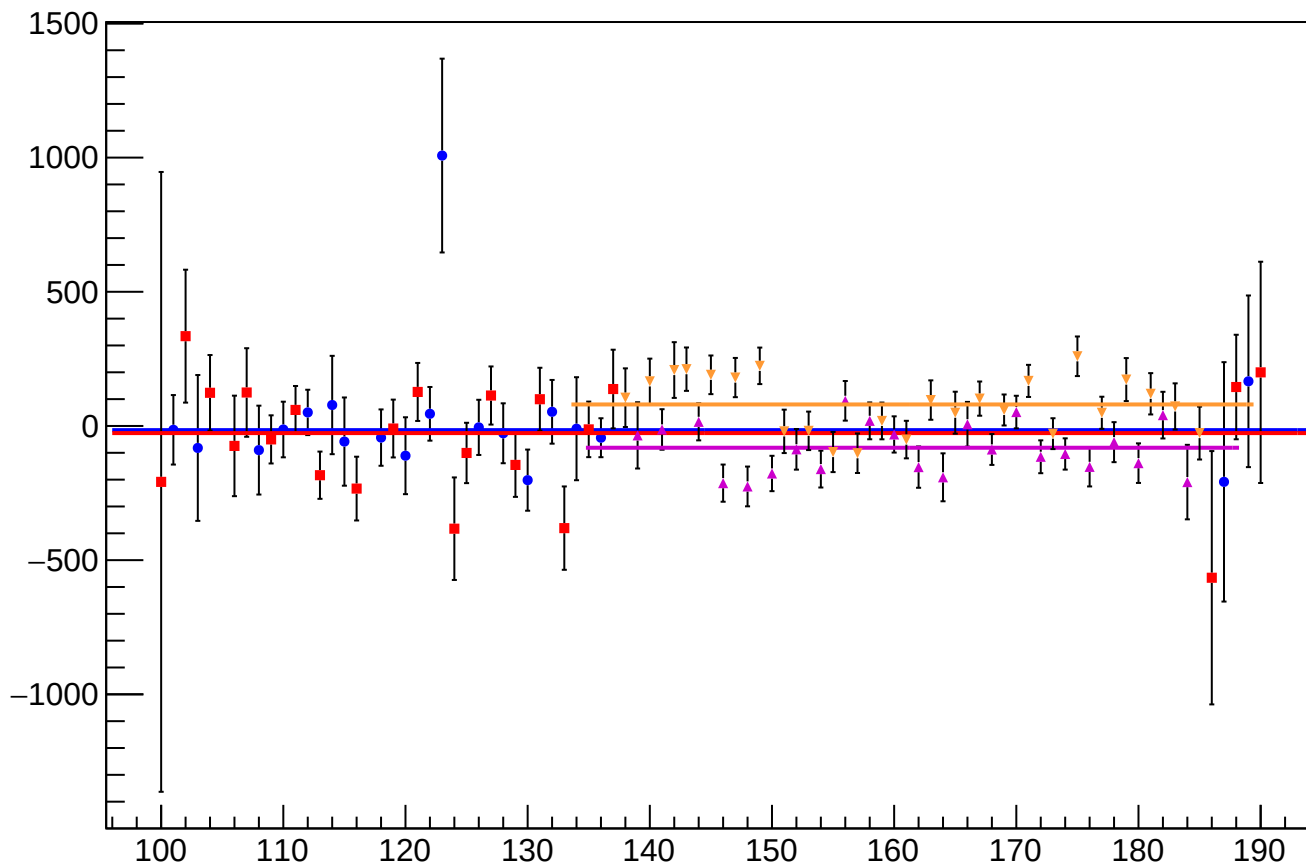
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF: 2537376.0/22

+ sign 485.663 $\pm$ 0.076 χ^2 /NDF: 9848269.8/43

All: 488.816 $\pm$ 0.054 χ^2 /NDF: 21325093.2/86

- sign 492.105 $\pm$ 0.077 χ^2 /NDF: 11473285.8/44

reg_asym_sam_37_avg_mean vs Slug



Right In: -15.527 ± 28.729 $\chi^2/\text{NDF}: 13.8/18$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -26.572 ± 27.653 $\chi^2/\text{NDF}: 30.0/21$

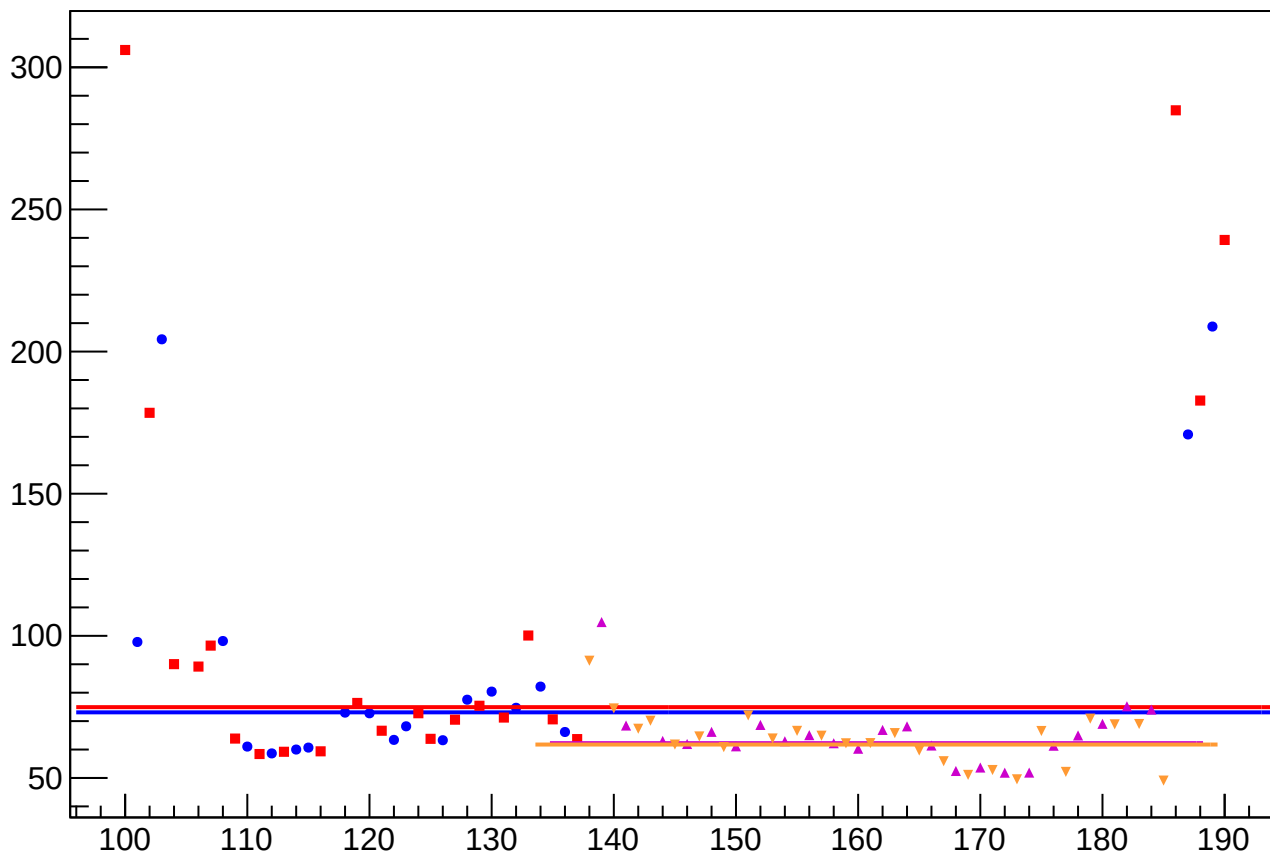
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 60.545 ± 13.010 $\chi^2/\text{NDF}: 71.2/43$

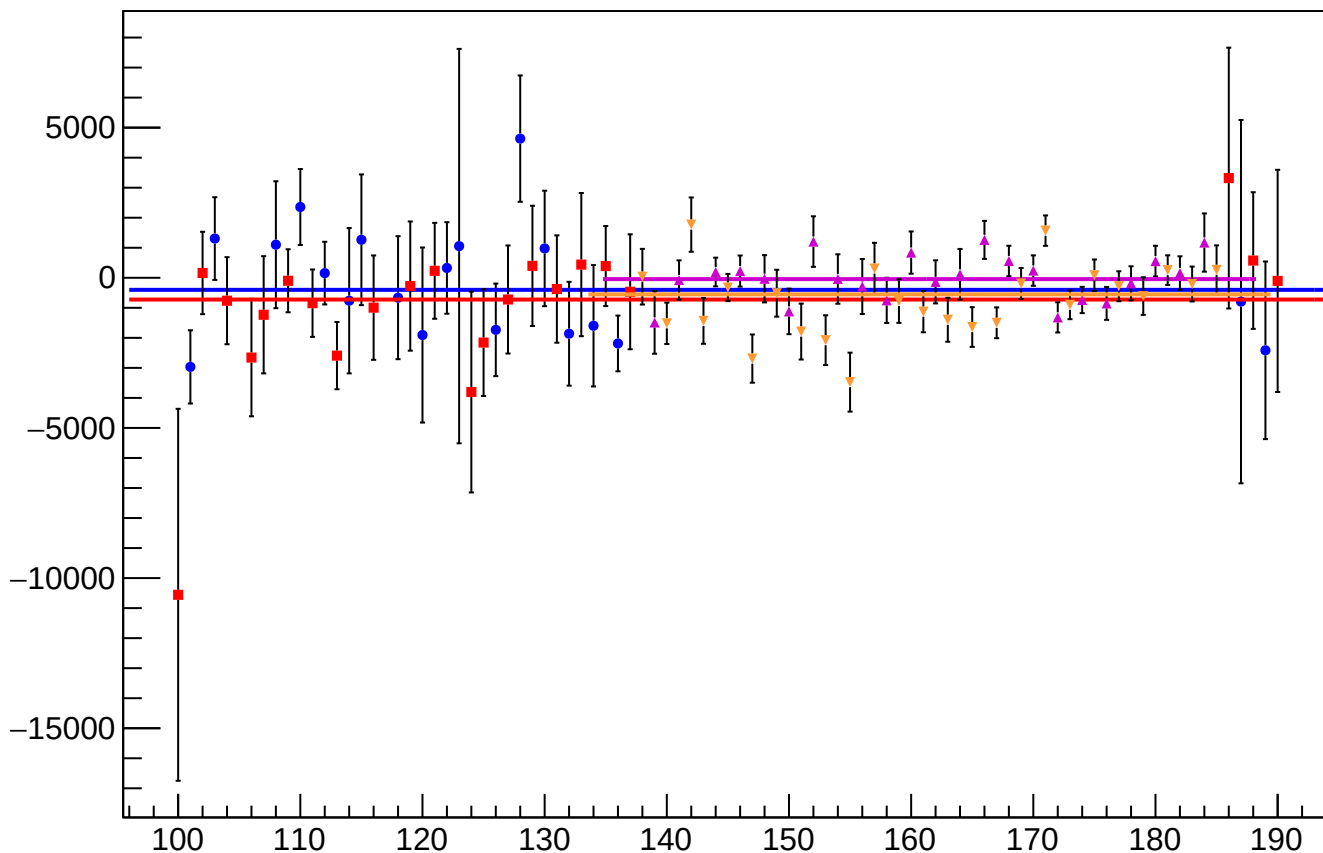
All: -2.822 ± 9.285 $\chi^2/\text{NDF}: 187.9/88$

- sign -68.612 ± 13.257 $\chi^2/\text{NDF}: 68.3/44$

reg_asym_sam_37_avg_rms vs Slug



asym_sam_37_avg_correction_mean vs Slug



Right In: -401.078 $\pm$ 379.061 χ^2/NDF : 24.9/18

Left Out: -552.511 $\pm$ 126.981 χ^2/NDF : 65.3/24

Right Out: -724.614 $\pm$ 362.683 χ^2/NDF : 11.6/21

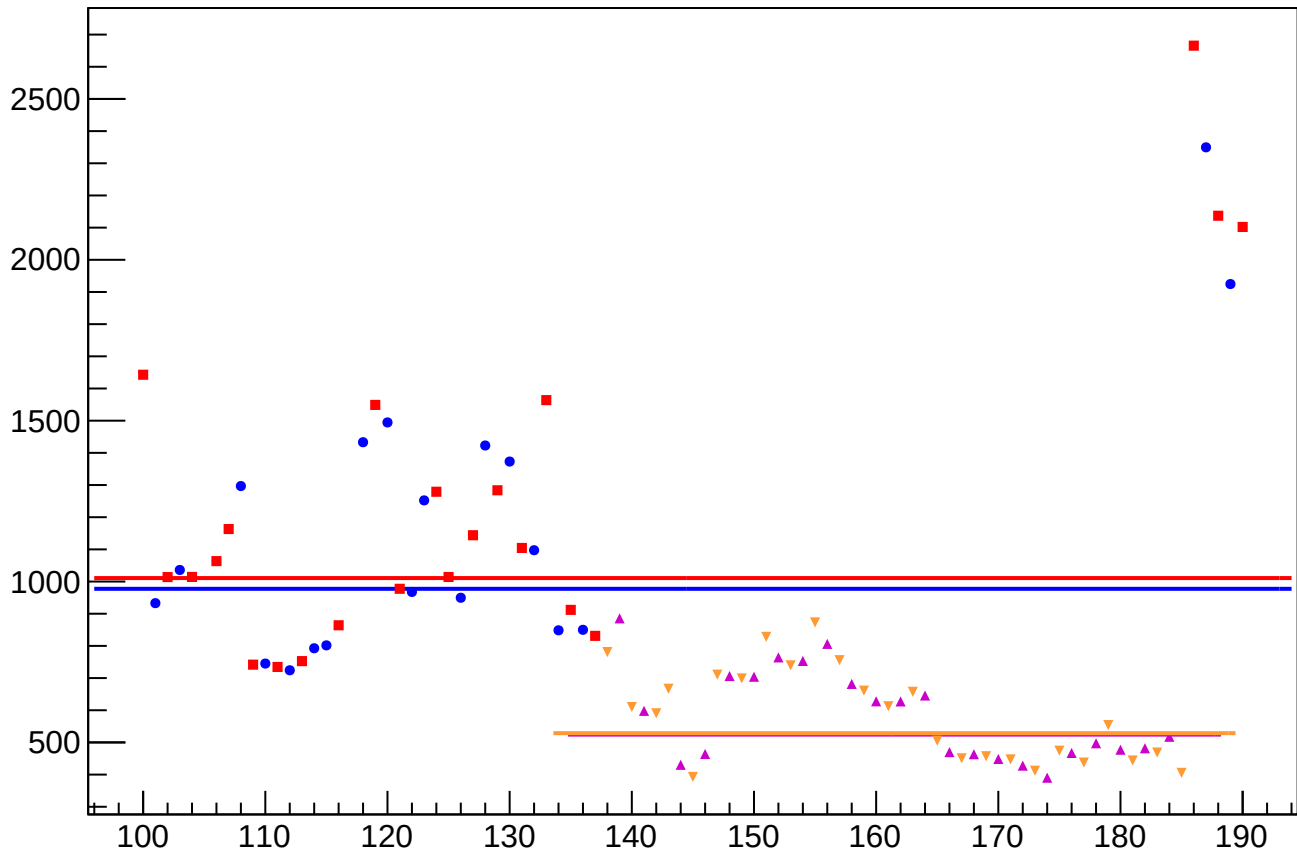
Left In: -44.578 $\pm$ 129.095 χ^2/NDF : 29.6/22

+ sign -537.232 $\pm$ 120.405 χ^2/NDF : 90.3/43

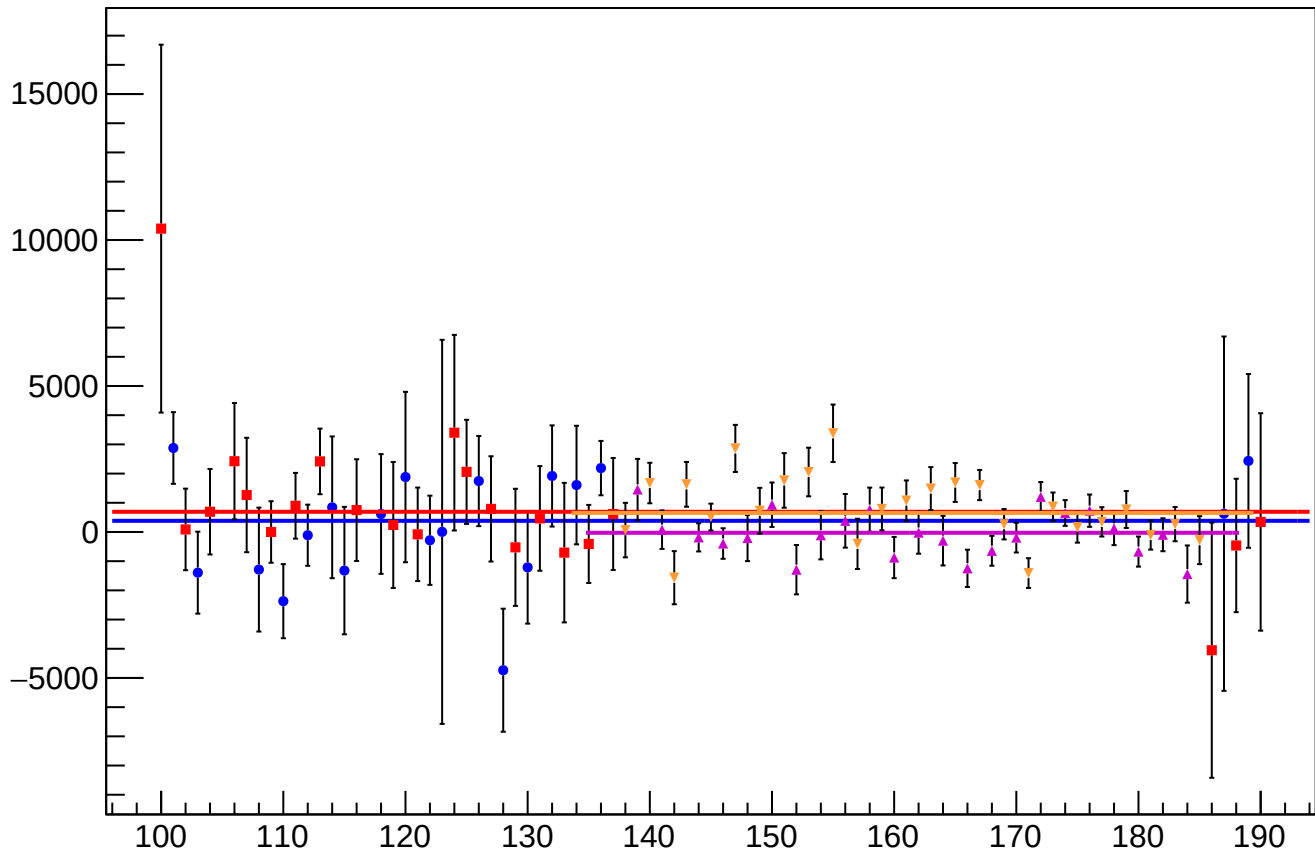
All: -331.229 $\pm$ 85.565 χ^2/NDF : 140.5/88

- sign -121.047 $\pm$ 121.620 χ^2/NDF : 44.2/44

asym_sam_37_avg_correction_rms vs Slug



asym_sam_37_avg_mean vs Slug



Right In: 382.423 ± 380.790 χ^2/NDF : 25.1/18

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 691.833 ± 364.517 χ^2/NDF : 10.6/21

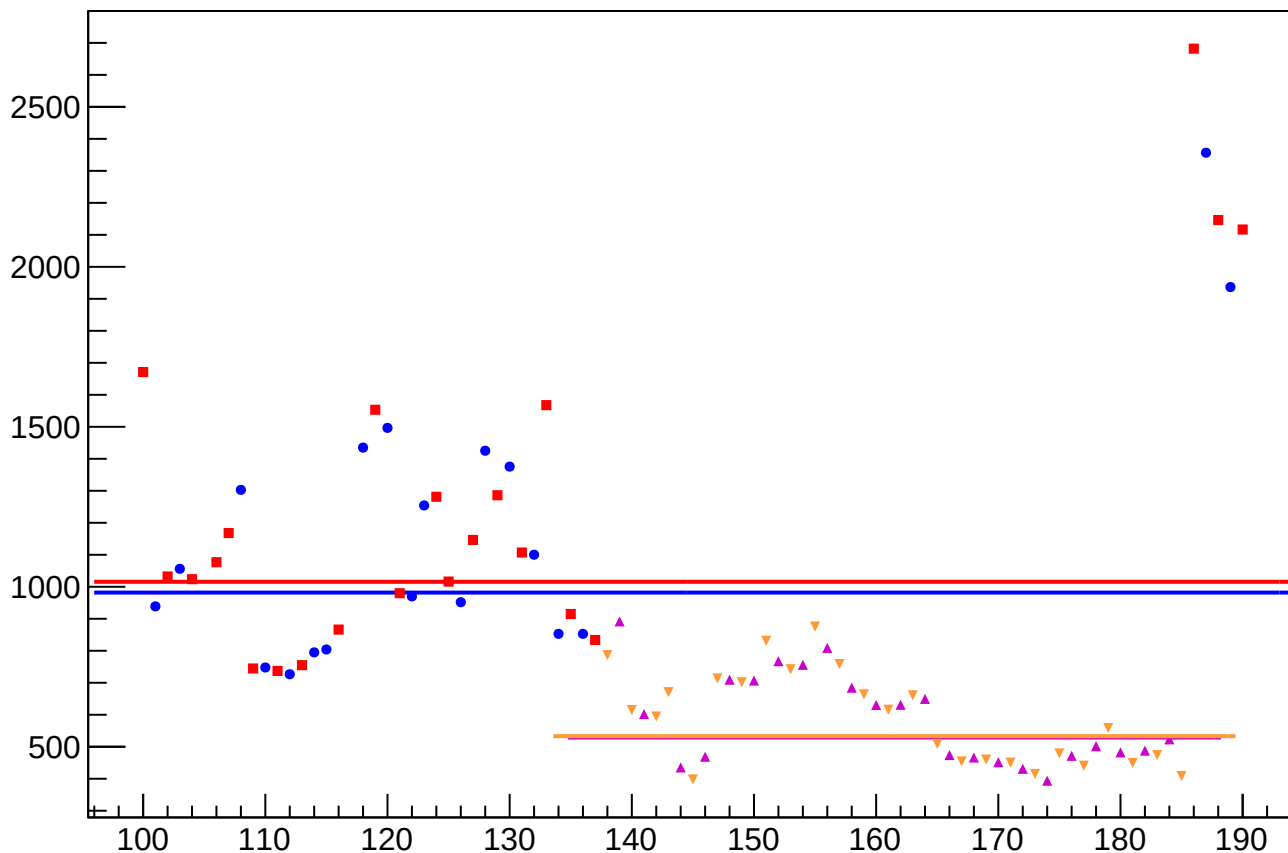
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 624.252 ± 121.296 χ^2/NDF : 86.7/43

All: 341.976 ± 86.210 χ^2/NDF : 140.1/88

- sign 53.823 ± 122.552 χ^2/NDF : 42.5/44

asym_sam_37_avg_rms vs Slug



Right In: 981.882 $\pm$ 0.269 χ^2 /NDF: 966544.4/18

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF: 1951536.4/24

Right Out: 1015.592 $\pm$ 0.258 χ^2 /NDF: 1694469.4/21

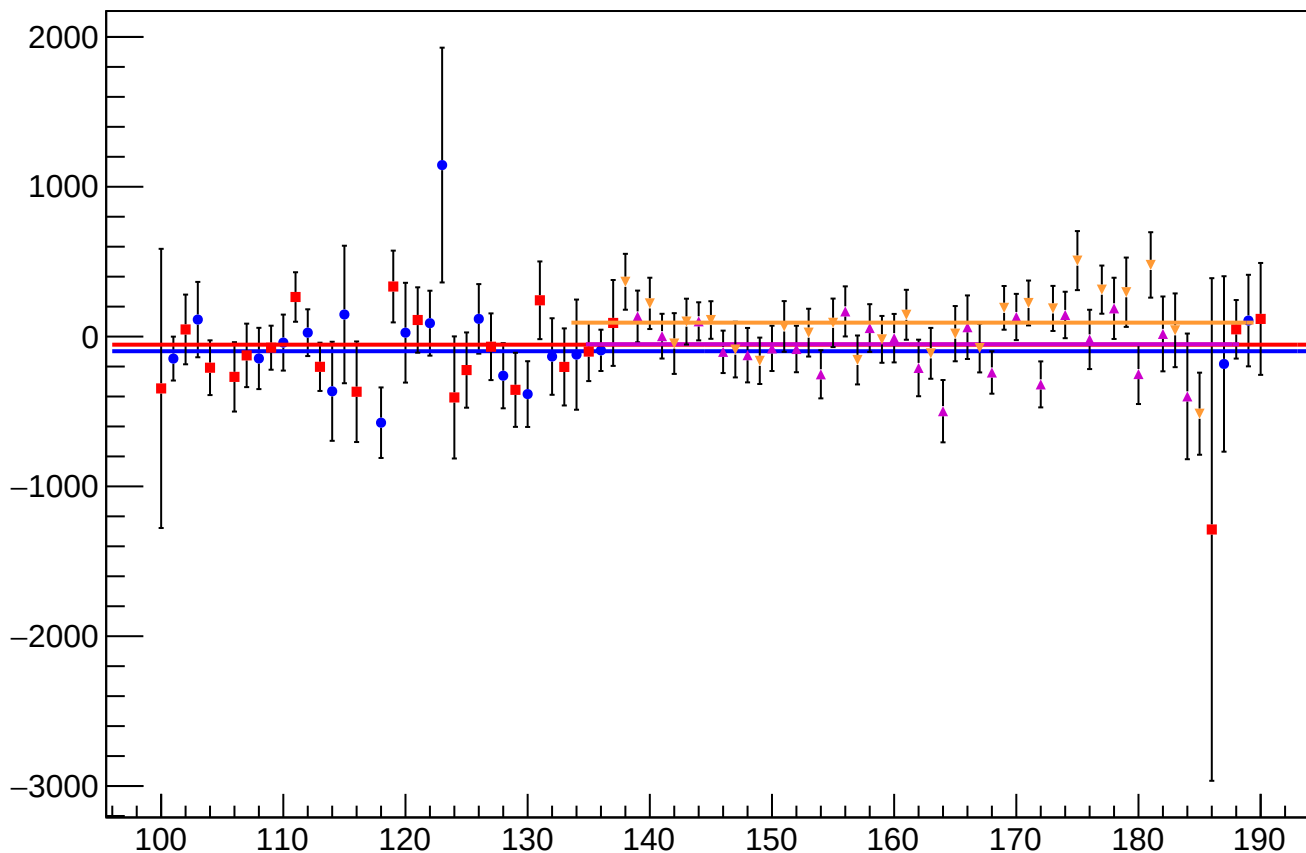
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF: 1688511.2/22

+ sign 578.600 $\pm$ 0.086 χ^2 /NDF: 5414639.9/43

All: 581.138 $\pm$ 0.061 χ^2 /NDF: 11964421.6/88

- sign 583.730 $\pm$ 0.087 χ^2 /NDF: 6548011.9/44

reg_asym_sam_48_avg_mean vs Slug



Right In: -97.721 ± 52.035 χ^2/NDF : 13.7/18

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: -54.055 ± 48.832 χ^2/NDF : 16.3/21

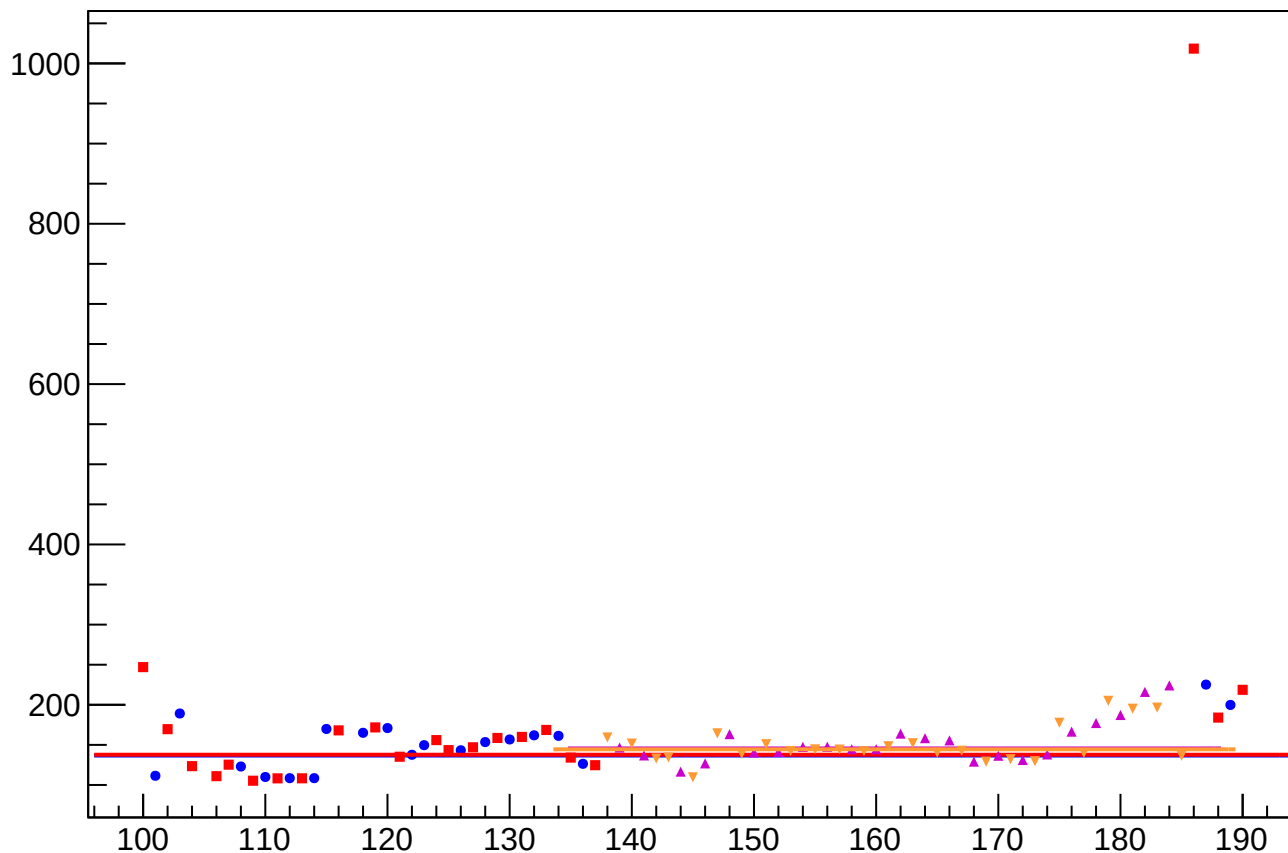
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 35.806 ± 28.494 χ^2/NDF : 52.5/43

All: -7.928 ± 20.185 χ^2/NDF : 97.0/88

- sign -51.979 ± 28.597 χ^2/NDF : 39.7/44

reg_asym_sam_48_avg_rms vs Slug



Right In: 136.747 $\pm$ 0.037 χ^2 /NDF: 538285.4/18

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 137.702 $\pm$ 0.035 χ^2 /NDF: 1224369.2/21

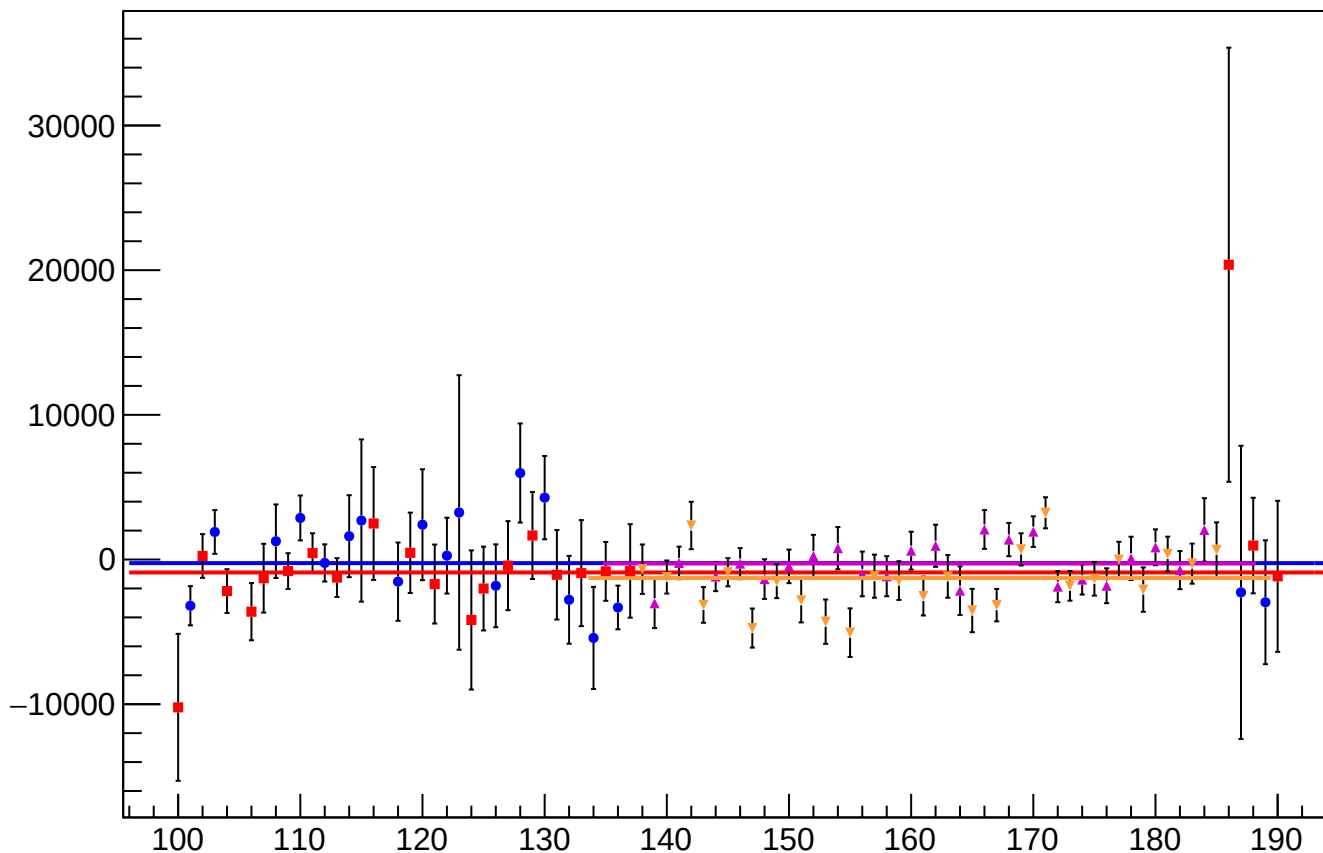
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 142.158 $\pm$ 0.020 χ^2 /NDF: 1239659.0/43

All: 142.502 $\pm$ 0.014 χ^2 /NDF: 3141950.8/88

- sign 142.849 $\pm$ 0.020 χ^2 /NDF: 1901706.5/44

asym_sam_48_avg_correction_mean vs Slug



Right In: -247.894 $\pm$ 520.296 χ^2/NDF : 26.2/18

Left Out: -1279.328 $\pm$ 259.299 χ^2/NDF :55.9/24

Right Out: -894.617 $\pm$ 474.325 χ^2/NDF : 12.4/21

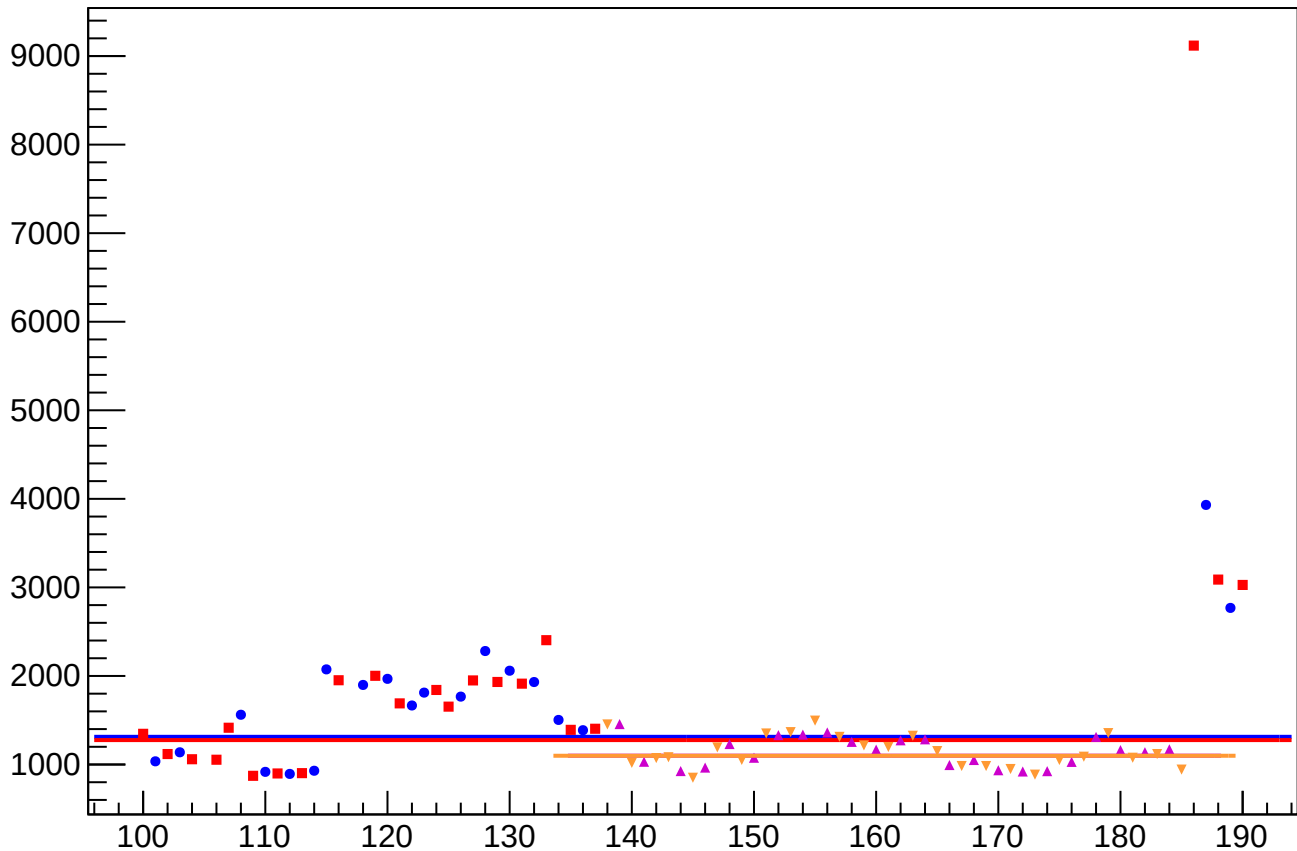
Left In: -269.952 $\pm$ 266.245 χ^2/NDF :24.3/22

+ sign -1074.118 $\pm$ 232.075 χ^2/NDF : 85.3/43

All: -747.000 $\pm$ 164.136 χ^2/NDF : 127.3/88

- sign -419.613 $\pm$ 232.170 χ^2/NDF : 38.0/44

asym_sam_48_avg_correction_rms vs Slug



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: 1275.704 $\pm$ 0.335 χ^2 /NDF: 2767825.0/21

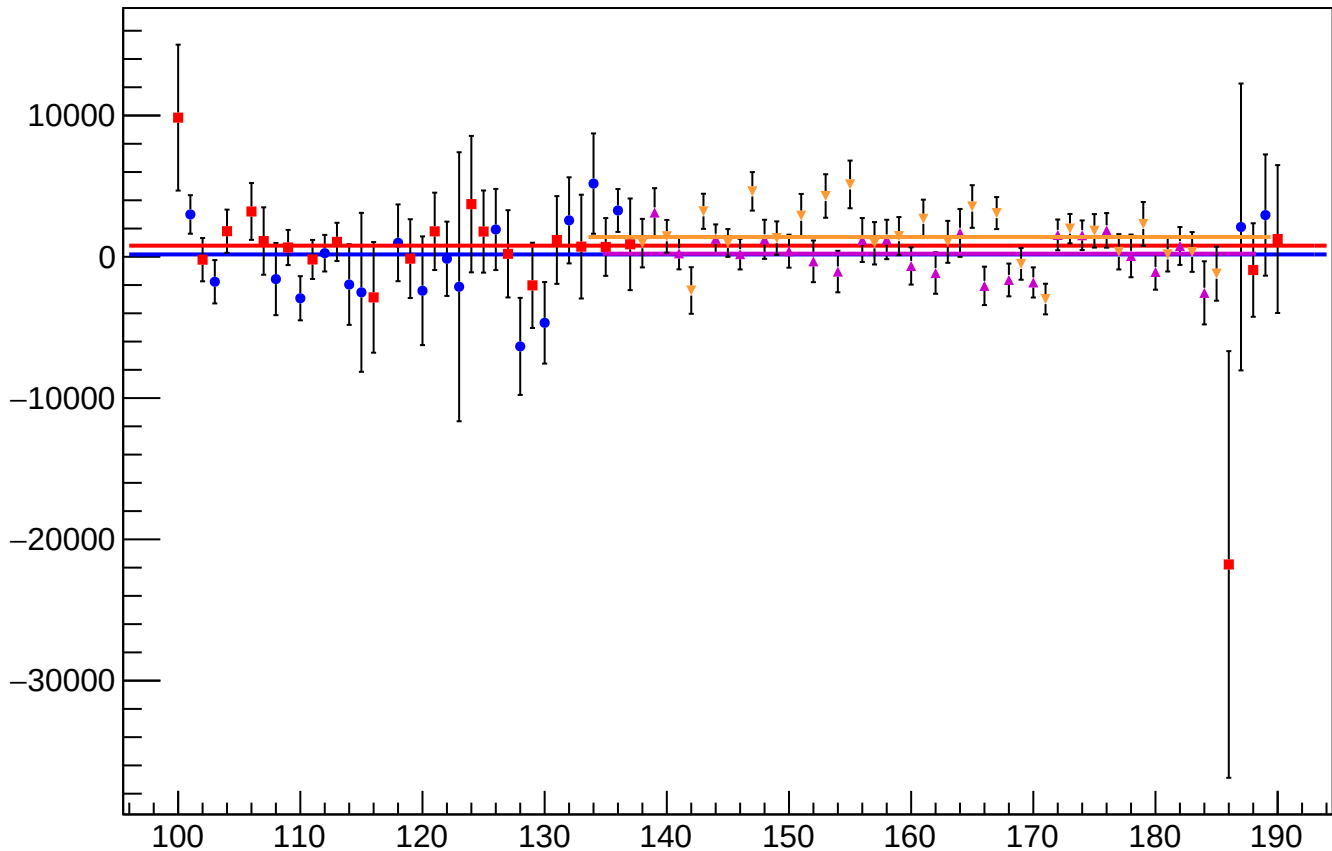
Left In: 1099.585 $\pm$ 0.188 χ^2 /NDF: 679896.1/22

+ sign 1141.466 $\pm$ 0.164 χ^2 /NDF: 2637879.9/43

All: 1141.623 $\pm$ 0.116 χ^2 /NDF: 6295274.8/88

- sign 1141.781 $\pm$ 0.164 χ^2 /NDF: 3657393.1/44

asym_sam_48_avg_mean vs Slug



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: 788.636 $\pm$ 477.880 χ^2 /NDF: 11.0/21

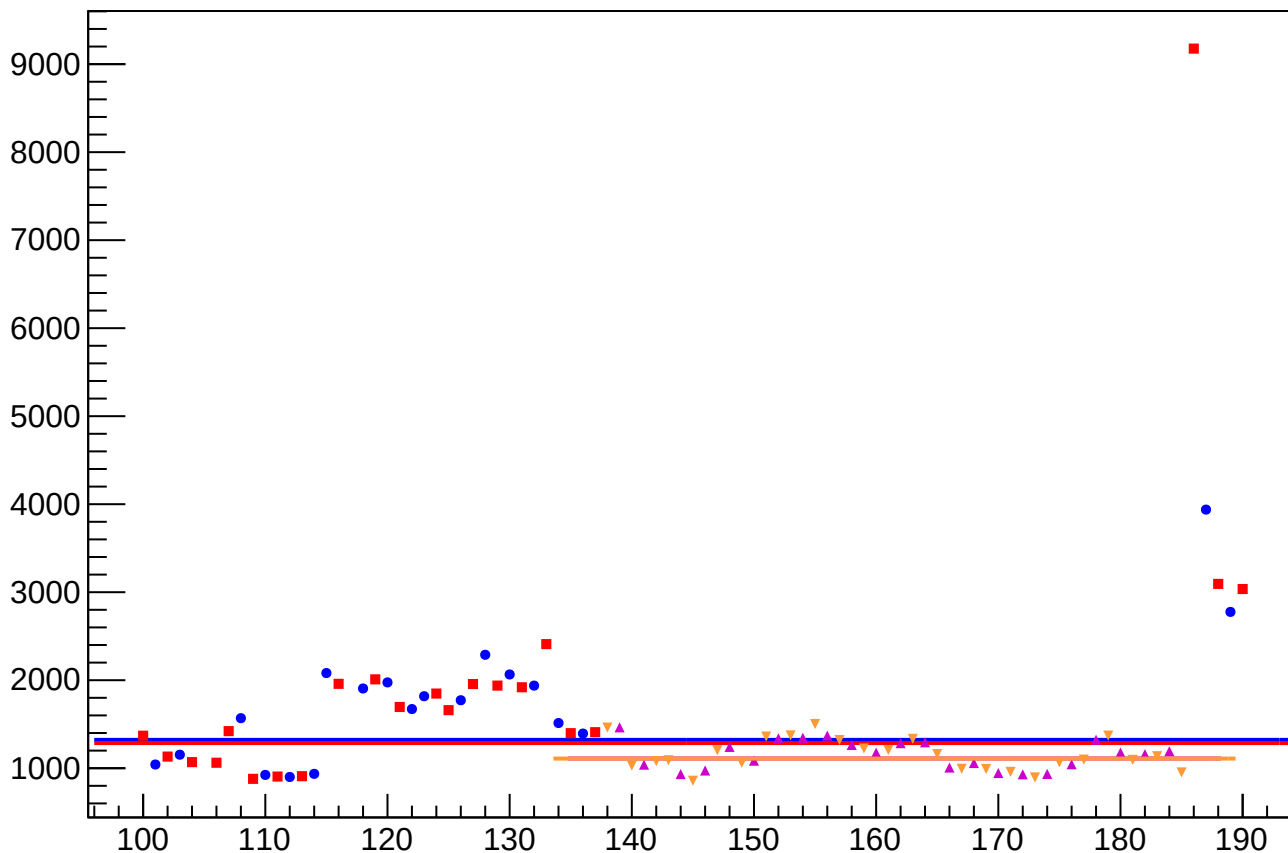
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1153.942 $\pm$ 234.168 χ^2 /NDF: 82.4/43

All: 755.346 $\pm$ 165.634 χ^2 /NDF: 125.3/88

- sign 356.249 $\pm$ 234.316 χ^2 /NDF: 37.1/44

asym_sam_48_avg_rms vs Slug



Right In: 1322.125+/-0.370 χ^2/NDF : 1527429.9/18

Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24

Right Out: 1285.816+/-0.338 χ^2/NDF : 2746068.4/21

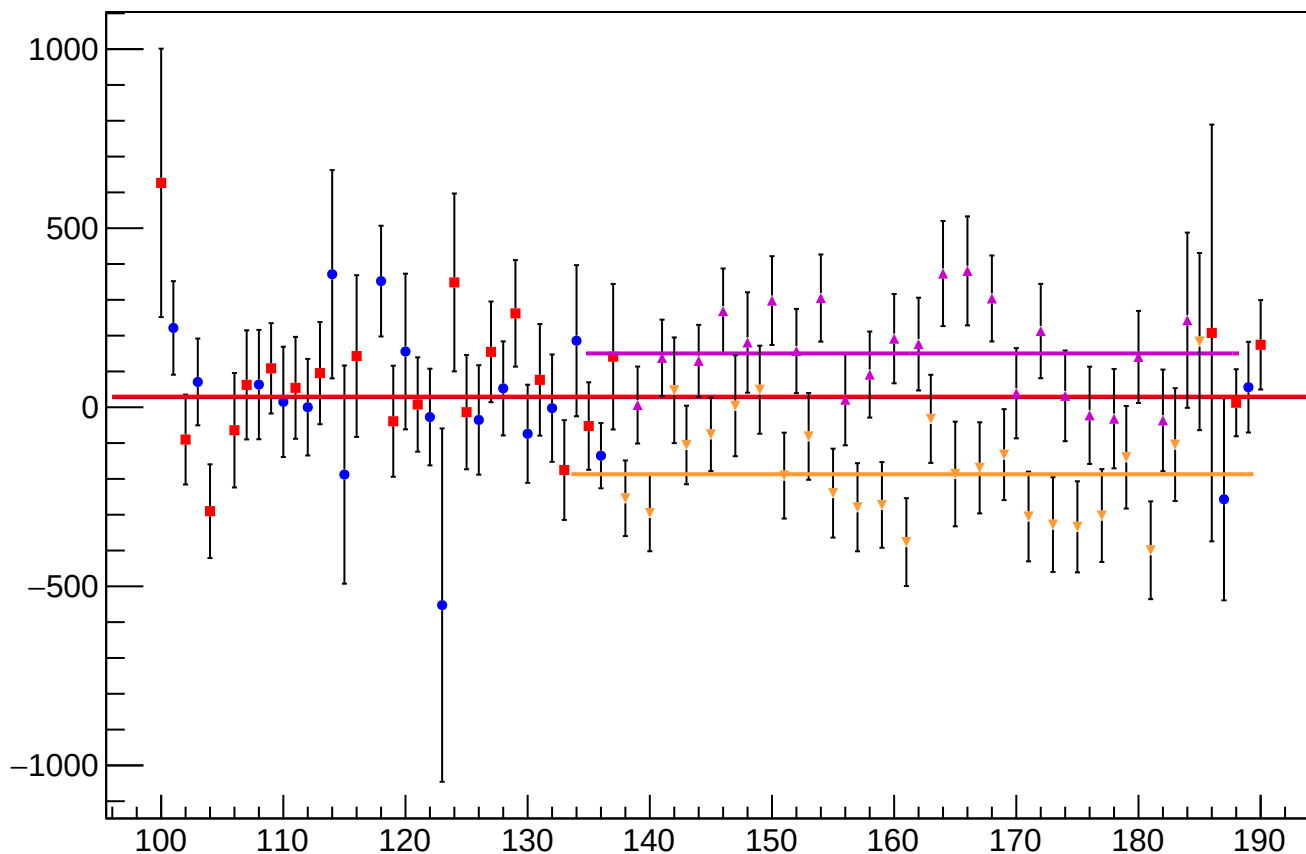
Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

+ sign 1152.229+/-0.166 χ^2/NDF : 2602763.2/43

All: 1152.455+/-0.117 χ^2/NDF : 6223128.8/88

- sign 1152.681+/-0.166 χ^2/NDF : 3620361.8/44

reg_asym_sam_15_dd_mean vs Slug



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: 29.642 ± 31.491 $\chi^2/\text{NDF}: 20.4/21$

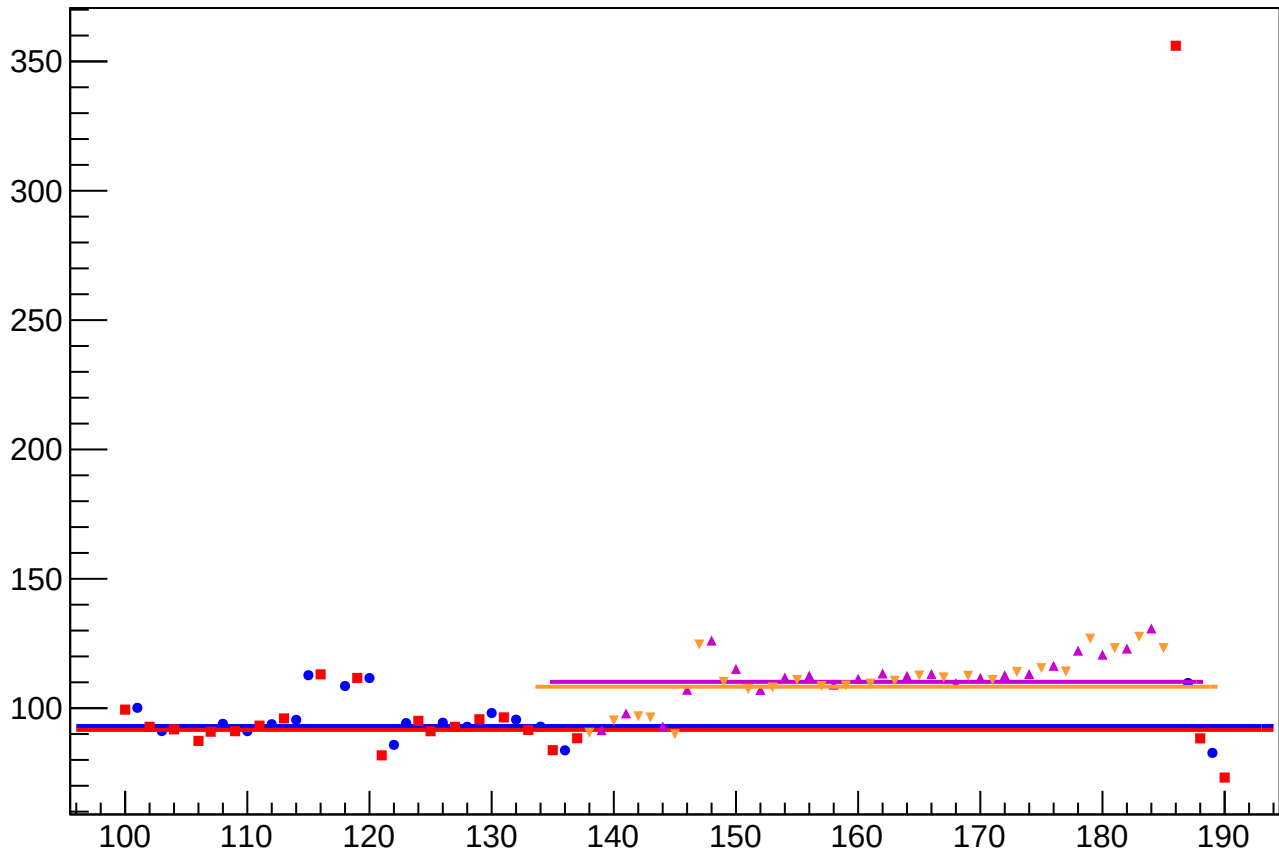
Left In: 150.315 ± 26.445 $\chi^2/\text{NDF}: 20.7/22$

+ sign -112.274 ± 20.457 $\chi^2/\text{NDF}: 67.9/43$

All: -4.856 ± 14.392 $\chi^2/\text{NDF}: 172.2/88$

- sign 100.409 ± 20.251 $\chi^2/\text{NDF}: 49.7/44$

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.088 $\pm$ 0.025 χ^2 /NDF: 100789.6/18

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 91.606 $\pm$ 0.022 χ^2 /NDF: 539610.8/21

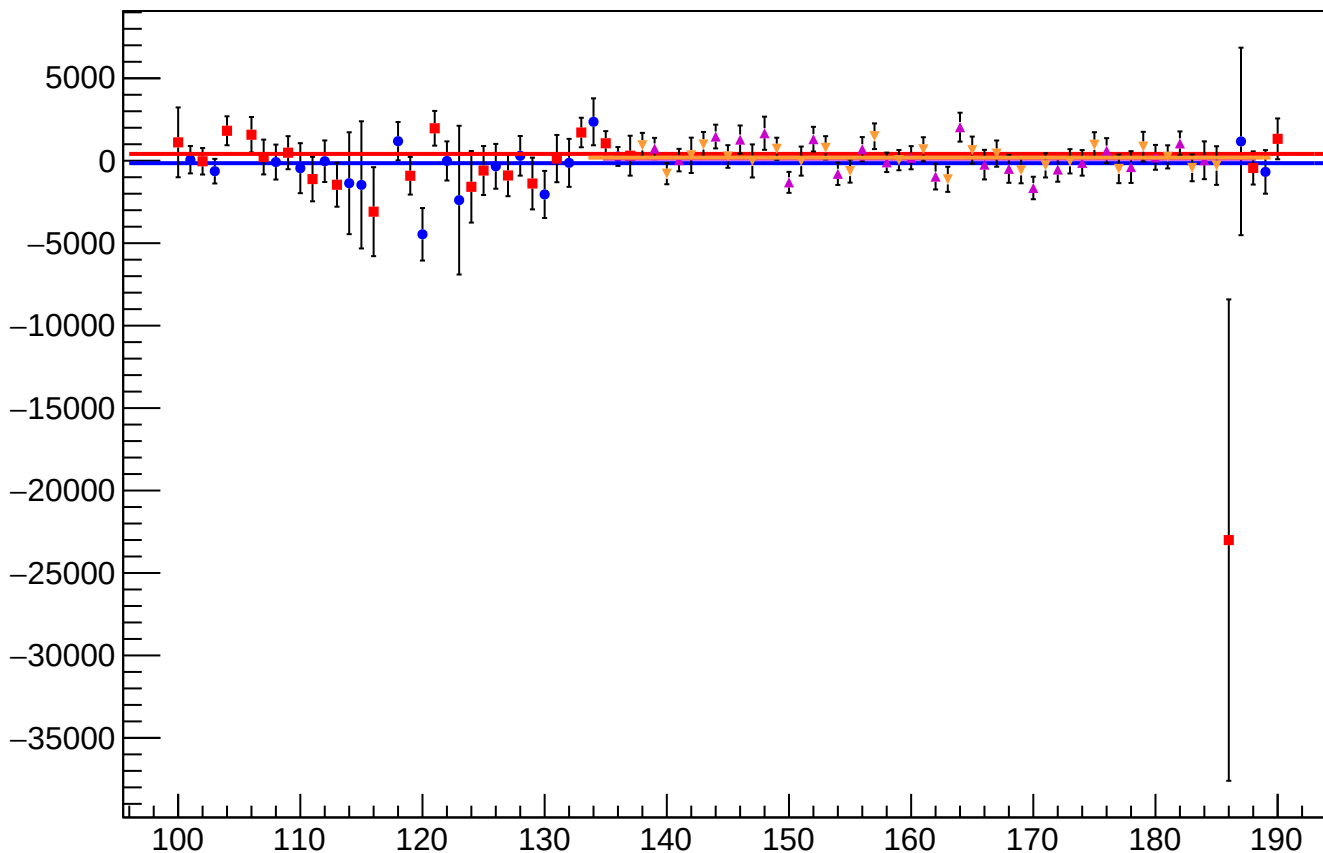
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 103.019 $\pm$ 0.014 χ^2 /NDF: 681517.0/43

All: 102.754 $\pm$ 0.010 χ^2 /NDF: 1876509.4/88

- sign 102.494 $\pm$ 0.014 χ^2 /NDF: 1194327.1/44

asym_sam_15_dd_correction_mean vs Slug



Right In: -148.110 $\pm$ 270.864 χ^2/NDF : 15.5/18

Left Out: 185.392 $\pm$ 153.683 χ^2/NDF : 18.4/24

Right Out: 413.758 $\pm$ 247.222 χ^2/NDF : 23.1/21

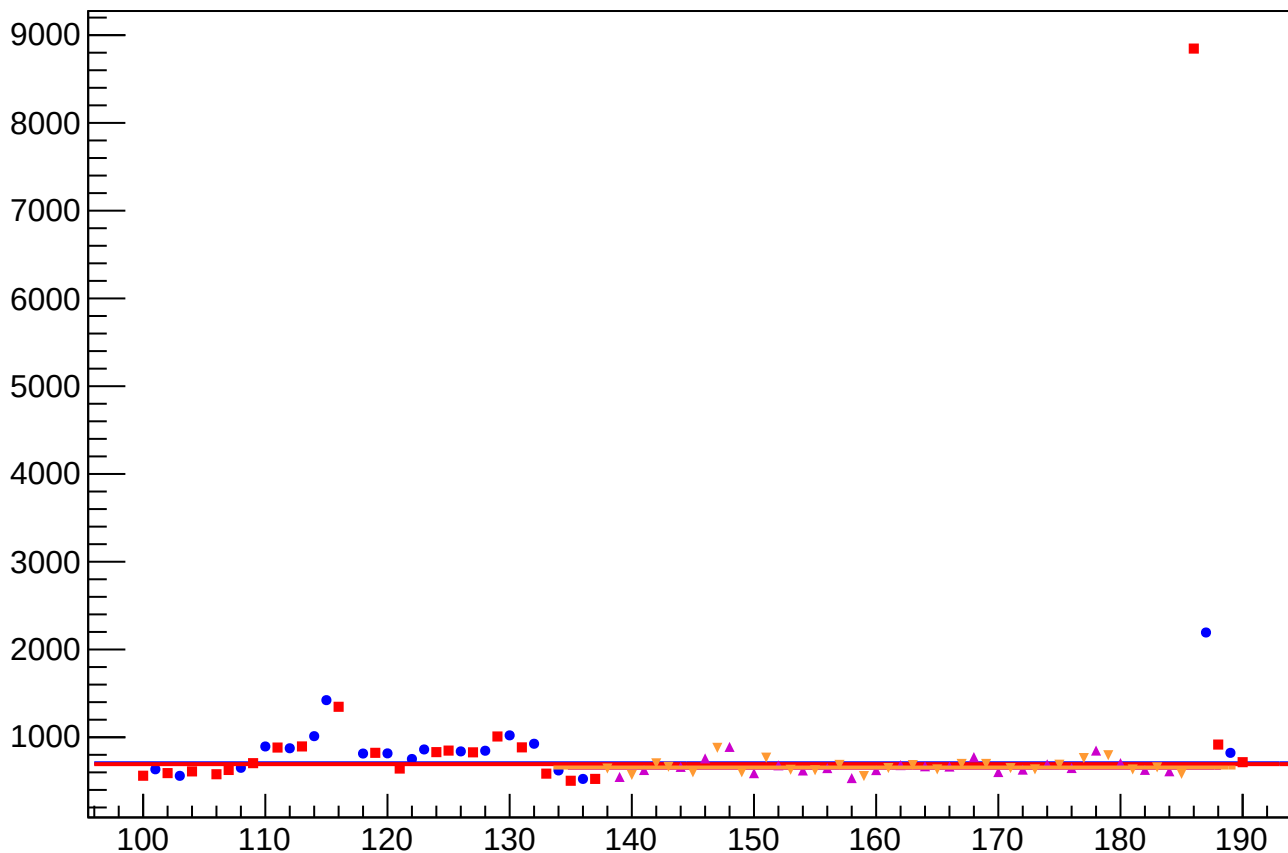
Left In: 128.782 $\pm$ 157.155 χ^2/NDF : 36.2/22

+ sign 104.176 $\pm$ 133.667 χ^2/NDF : 35.0/43

All: 157.903 $\pm$ 94.147 χ^2/NDF : 95.6/88

- sign 210.797 $\pm$ 132.627 χ^2/NDF : 60.2/44

asym_sam_15_dd_correction_rms vs Slug



Right In: 703.566 $\pm$ 0.192 χ^2 /NDF: 833420.4/18

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 693.597 $\pm$ 0.175 χ^2 /NDF: 1413165.7/21

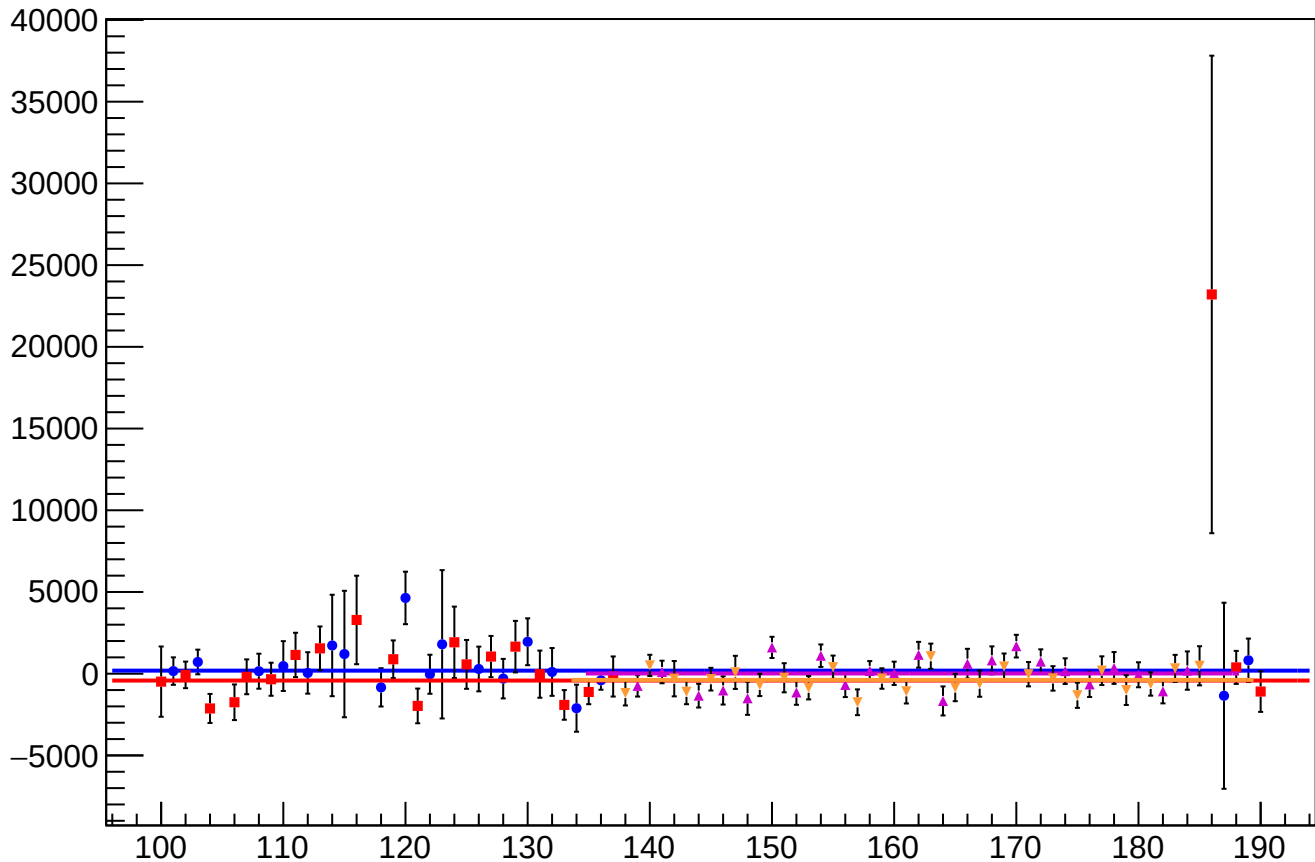
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 666.945 $\pm$ 0.095 χ^2 /NDF: 1249099.3/43

All: 665.046 $\pm$ 0.067 χ^2 /NDF: 3171702.7/88

- sign 663.176 $\pm$ 0.094 χ^2 /NDF: 1921802.2/44

asym_sam_15_dd_mean vs Slug



Right In: 187.803 $\pm$ 273.519 χ^2 /NDF: 15.0/18

Left Out: -379.470 $\pm$ 155.892 χ^2 /NDF:18.8/24

Right Out: -418.589 $\pm$ 249.663 χ^2 /NDF: 26.1/21

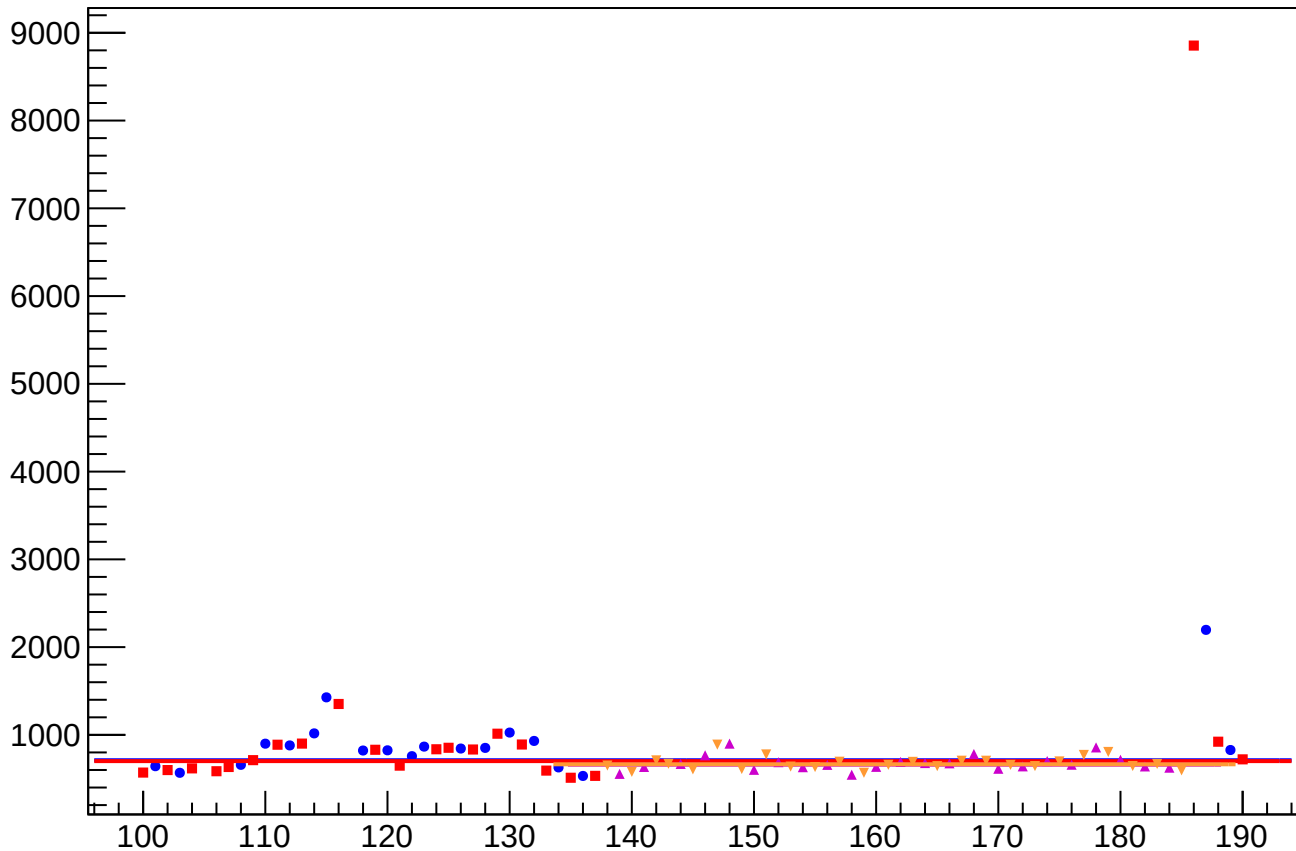
Left In: 14.768 $\pm$ 159.513 χ^2 /NDF:37.2/22

+ sign -240.379 $\pm$ 135.438 χ^2 /NDF: 37.1/43

All: -175.127 $\pm$ 95.407 χ^2 /NDF: 103.0/88

- sign -110.853 $\pm$ 134.420 χ^2 /NDF: 65.4/44

asym_sam_15_dd_rms vs Slug



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: 701.075+/-0.177 χ^2/NDF : 1392054.5/21

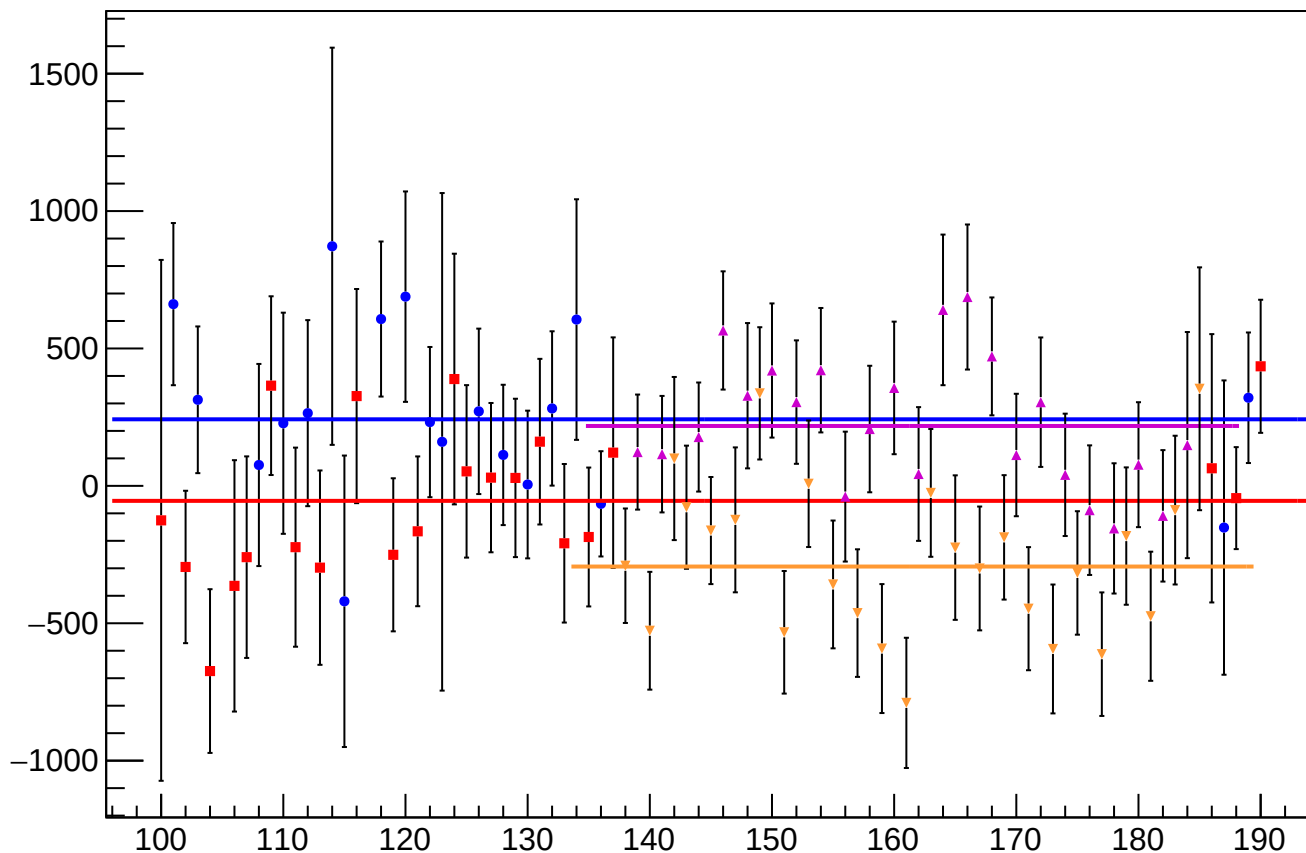
Left In: 660.890+/-0.113 χ^2/NDF : 449180.0/22

+ sign 676.114+/-0.096 χ^2/NDF : 1214521.4/43

All: 674.313+/-0.067 χ^2/NDF : 3093252.4/88

- sign 672.539+/-0.095 χ^2/NDF : 1878029.0/44

reg_asym_sam_26_dd_mean vs Slug



Right In: 242.211 $\pm$ 71.822 χ^2 /NDF: 12.6/18

Left Out: -293.590 $\pm$ 47.203 χ^2 /NDF:30.3/24

Right Out: -54.575 $\pm$ 65.821 χ^2 /NDF: 16.5/21

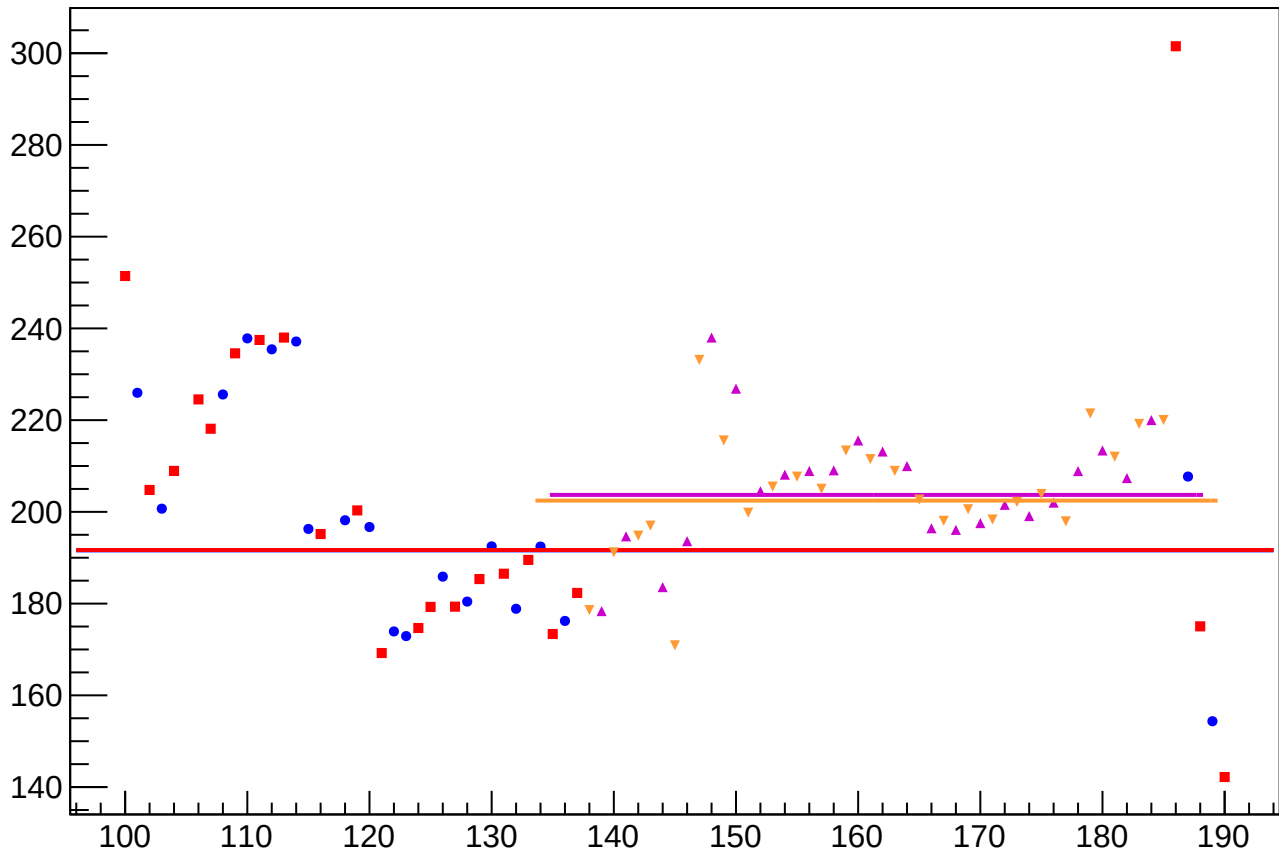
Left In: 217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

+ sign -131.968 $\pm$ 39.446 χ^2 /NDF: 81.8/43

All: -4.604 $\pm$ 27.809 χ^2 /NDF: 151.4/88

- sign 121.244 $\pm$ 39.211 χ^2 /NDF: 48.8/44

reg_asym_sam_26_dd_rms vs Slug



Right In: 191.606 $\pm$ 0.051 χ^2 /NDF: 197749.6/18

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 191.687 $\pm$ 0.047 χ^2 /NDF: 380538.5/21

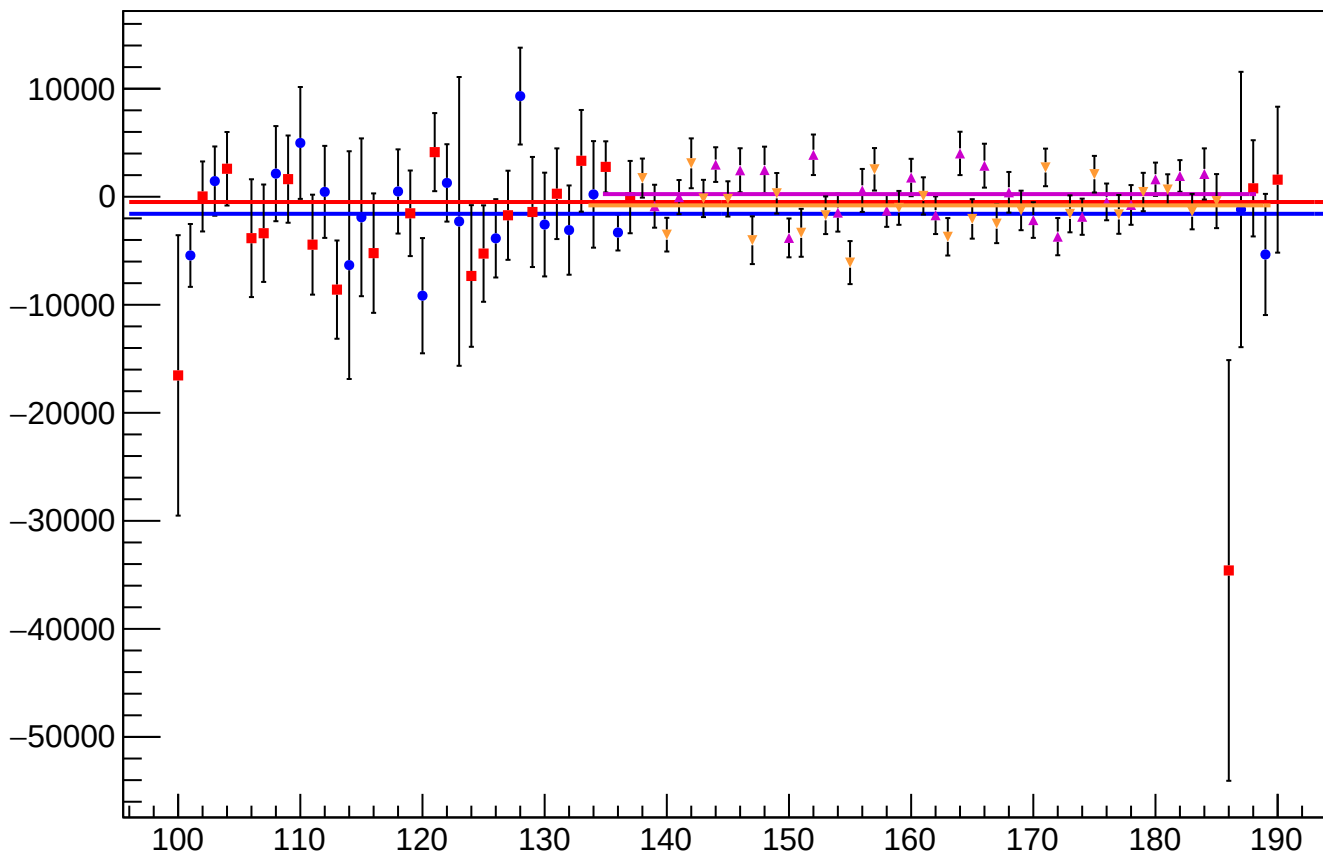
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 199.185 $\pm$ 0.028 χ^2 /NDF: 388222.3/43

All: 199.311 $\pm$ 0.020 χ^2 /NDF: 947965.6/88

- sign 199.436 $\pm$ 0.028 χ^2 /NDF: 559702.6/44

asym_sam_26_dd_correction_mean vs Slug



Right In: -1578.379 ± 898.469 χ^2/NDF : 16.5/18

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -486.869 ± 907.186 χ^2/NDF : 18.0/21

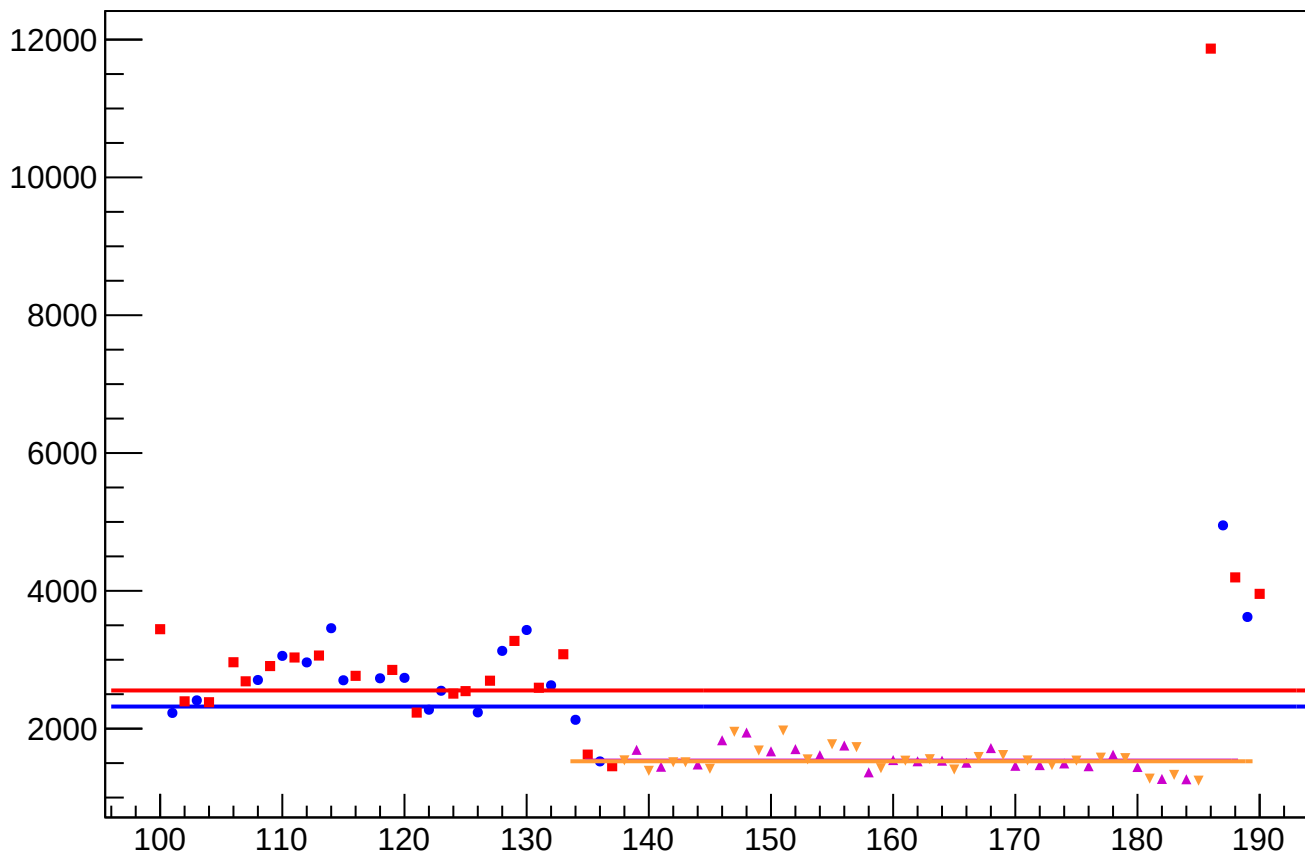
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -903.576 ± 332.452 χ^2/NDF : 52.9/43

All: -396.908 ± 238.545 χ^2/NDF : 111.9/88

- sign 140.782 ± 342.478 χ^2/NDF : 54.2/44

asym_sam_26_dd_correction_rms vs Slug



Right In: 2320.865 ± 0.635 $\chi^2/\text{NDF}: 1005067.2/18$

Left Out: 1526.712 ± 0.253 $\chi^2/\text{NDF}: 394892.7/24$

Right Out: 2554.324 ± 0.641 $\chi^2/\text{NDF}: 1531597.1/21$

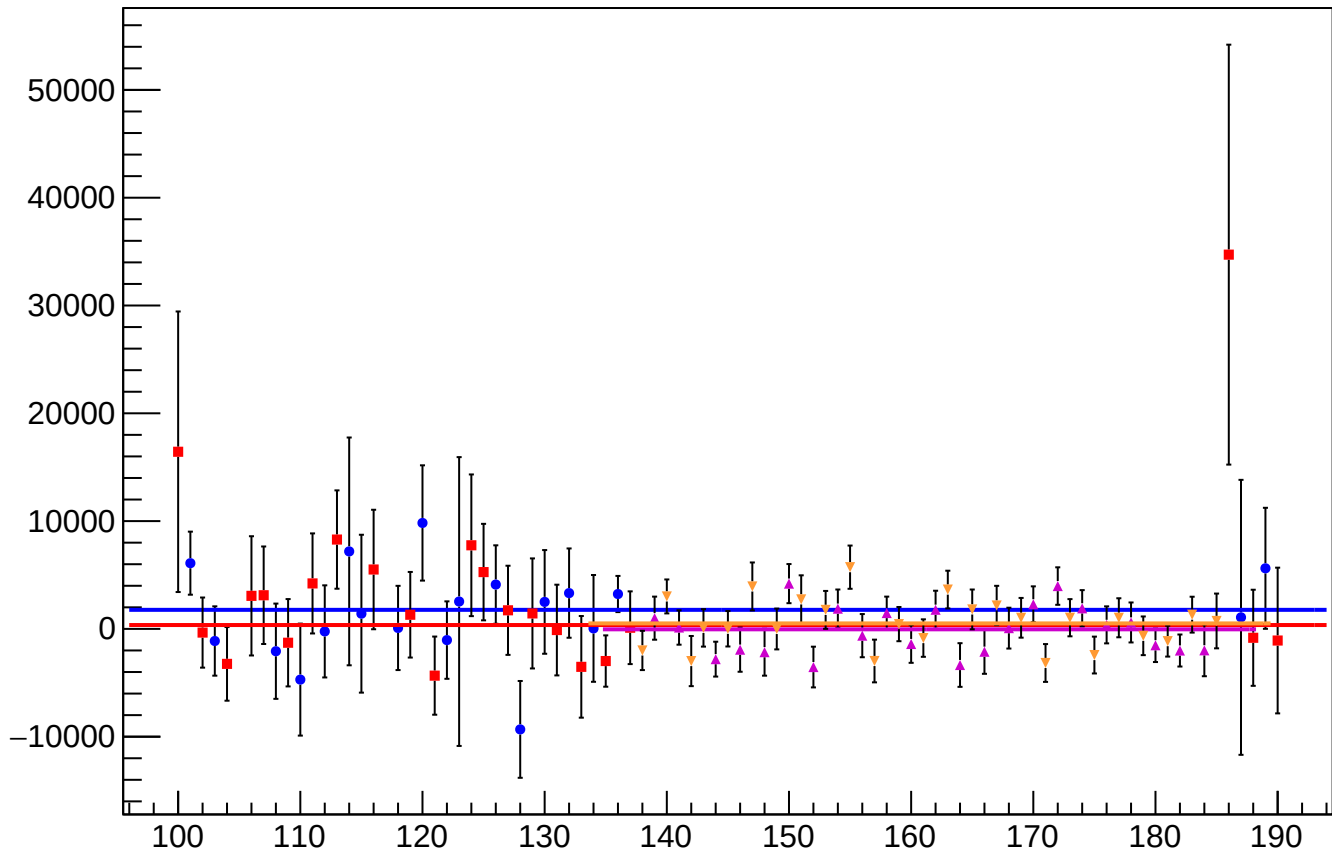
Left In: 1536.538 ± 0.262 $\chi^2/\text{NDF}: 350373.3/22$

+ sign 1635.443 ± 0.235 $\chi^2/\text{NDF}: 2748571.1/43$

All: 1657.832 ± 0.169 $\chi^2/\text{NDF}: 6807850.6/88$

- sign 1681.592 ± 0.242 $\chi^2/\text{NDF}: 4040582.9/44$

asym_sam_26_dd_mean vs Slug



Right In: 1767.799 $\pm$ 902.343 χ^2 /NDF: 16.9/18

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 358.310 $\pm$ 910.706 χ^2 /NDF: 18.3/21

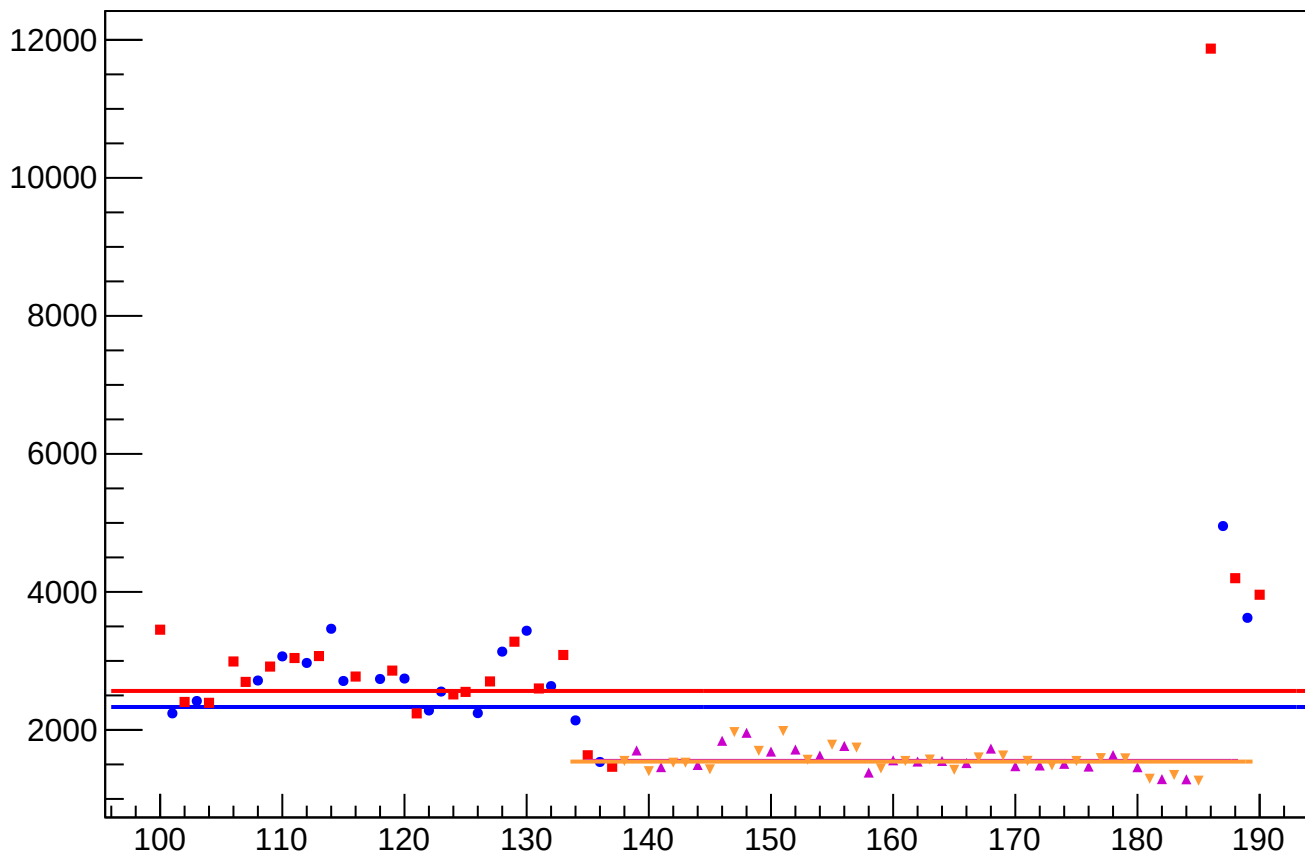
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 681.944 $\pm$ 335.310 χ^2 /NDF: 54.0/43

All: 359.411 $\pm$ 240.580 χ^2 /NDF: 107.9/88

- sign 17.219 $\pm$ 345.378 χ^2 /NDF: 52.0/44

asym_sam_26_dd_rms vs Slug



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: 2564.859 $\pm$ 0.644 χ^2 /NDF: 1518890.4/21

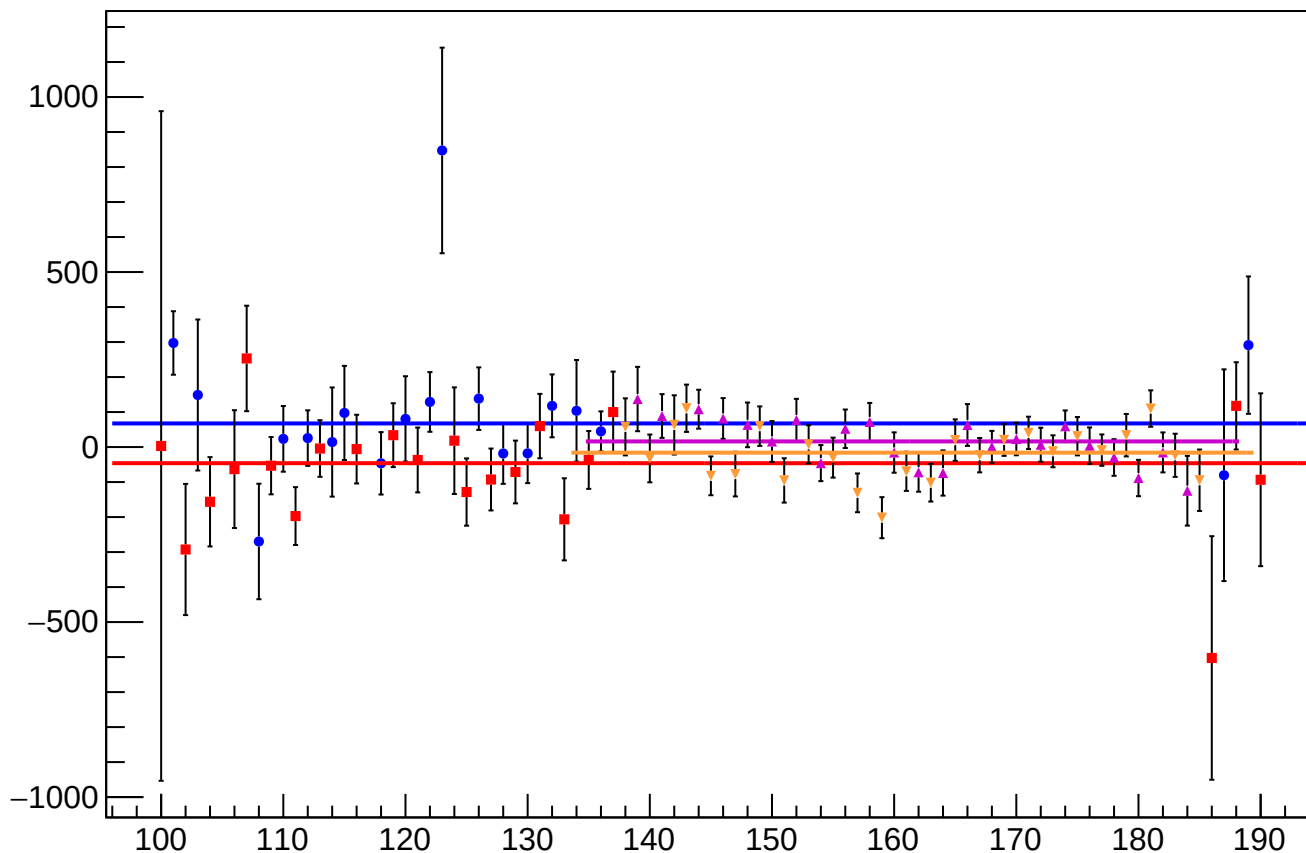
Left In: 1551.063 $\pm$ 0.264 χ^2 /NDF: 338898.9/22

+ sign 1650.475 $\pm$ 0.237 χ^2 /NDF: 2697748.5/43

All: 1672.987 $\pm$ 0.170 χ^2 /NDF: 6696079.5/80

- sign 1696.872 $\pm$ 0.244 χ^2 /NDF: 3979751.3/44

reg_asym_sam_37_dd_mean vs Slug



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: -46.121 $\pm$ 23.158 χ^2 /NDF: 21.4/21

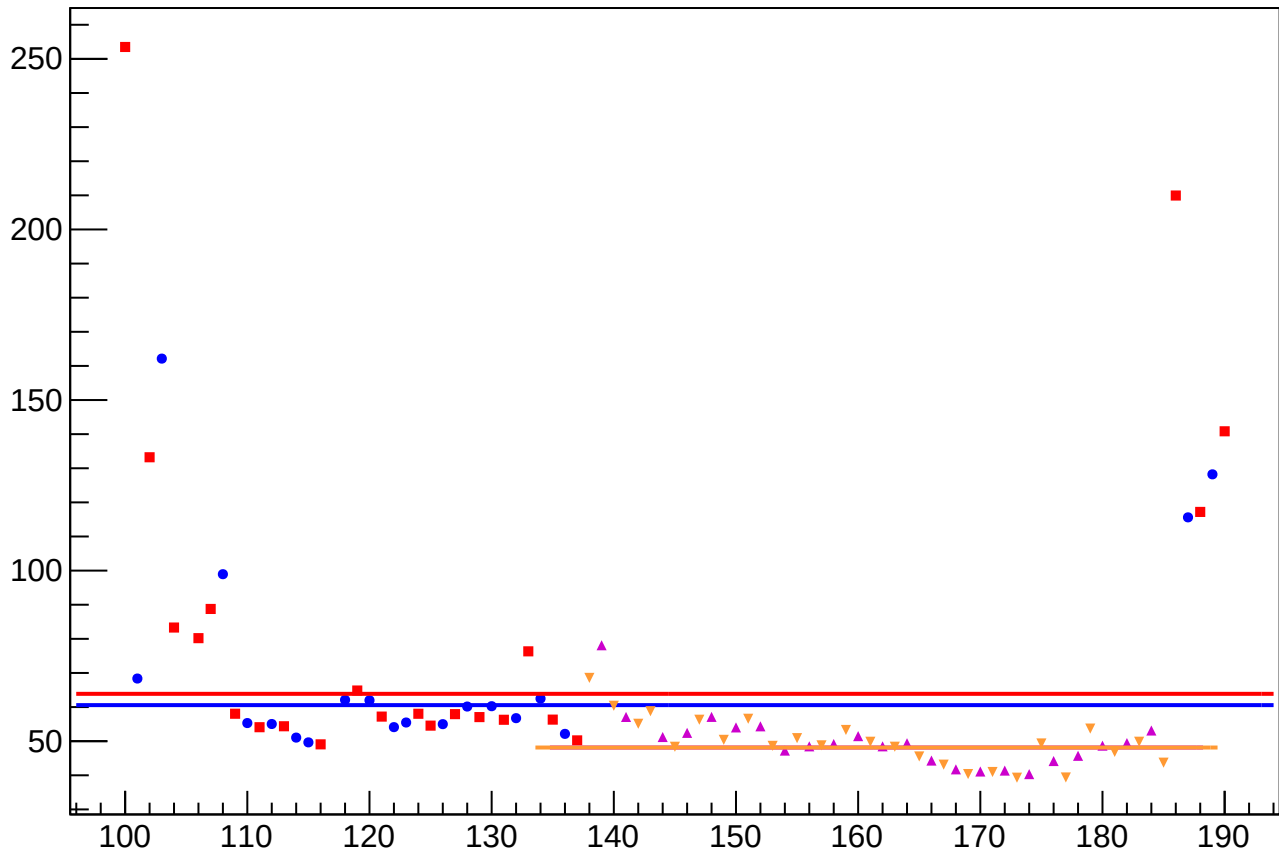
Left In: 16.162 $\pm$ 11.649 χ^2 /NDF:25.2/22

+ sign -0.331 $\pm$ 10.217 χ^2 /NDF: 75.2/43

All: 1.591 $\pm$ 7.291 χ^2 /NDF: 127.7/88

- sign 3.584 $\pm$ 10.407 χ^2 /NDF: 52.4/44

reg_asym_sam_37_dd_rms vs Slug



Right In: 60.571 $\pm$ 0.017 χ^2 /NDF: 975526.7/18

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 63.880 $\pm$ 0.016 χ^2 /NDF: 1630051.0/21

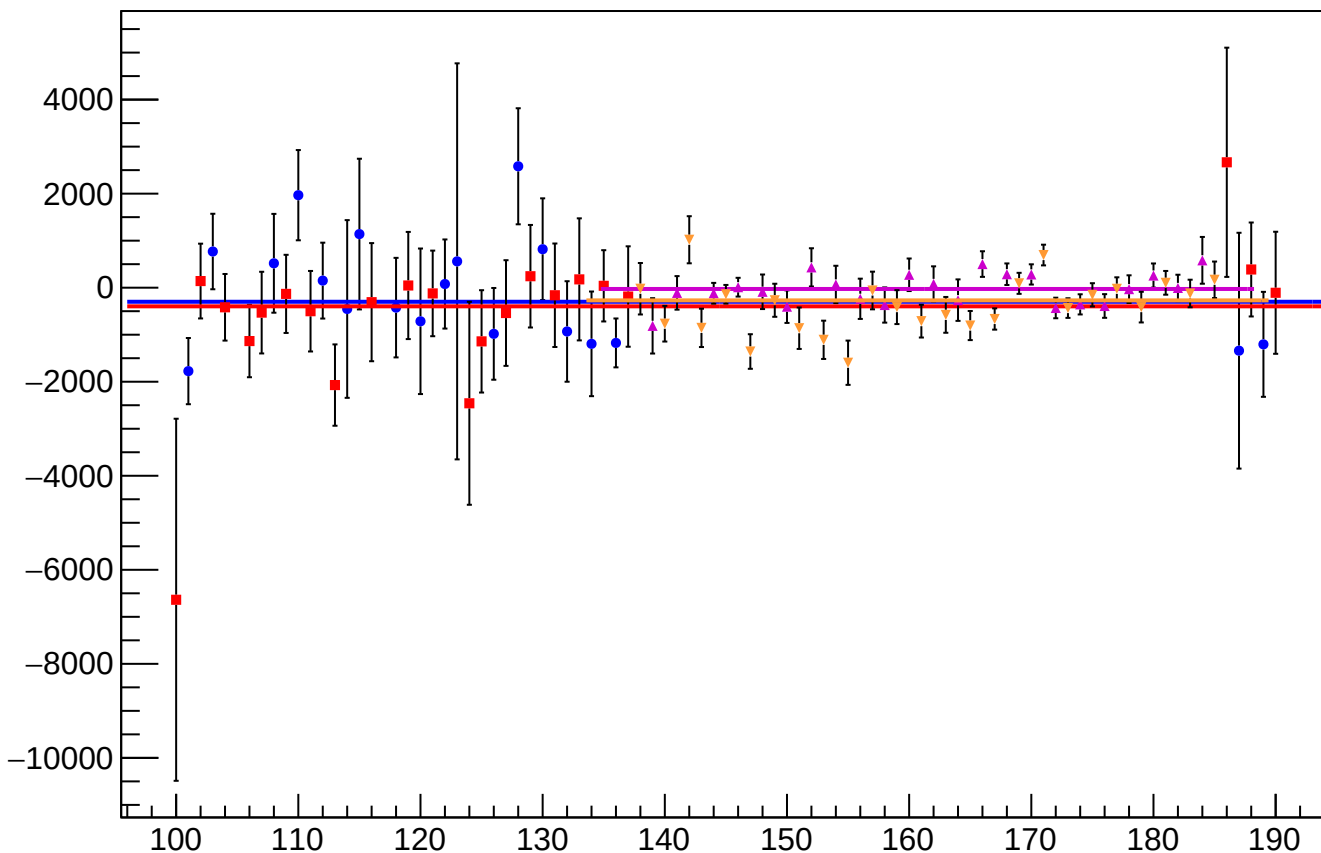
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 50.480 $\pm$ 0.007 χ^2 /NDF: 2083119.6/43

All: 50.891 $\pm$ 0.005 χ^2 /NDF: 5032198.5/88

- sign 51.318 $\pm$ 0.007 χ^2 /NDF: 2942484.1/44

asym_sam_37_dd_correction_mean vs Slug



Right In: -299.342 ± 228.502 χ^2/NDF : 25.4/18

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -396.628 ± 213.644 χ^2/NDF : 12.7/21

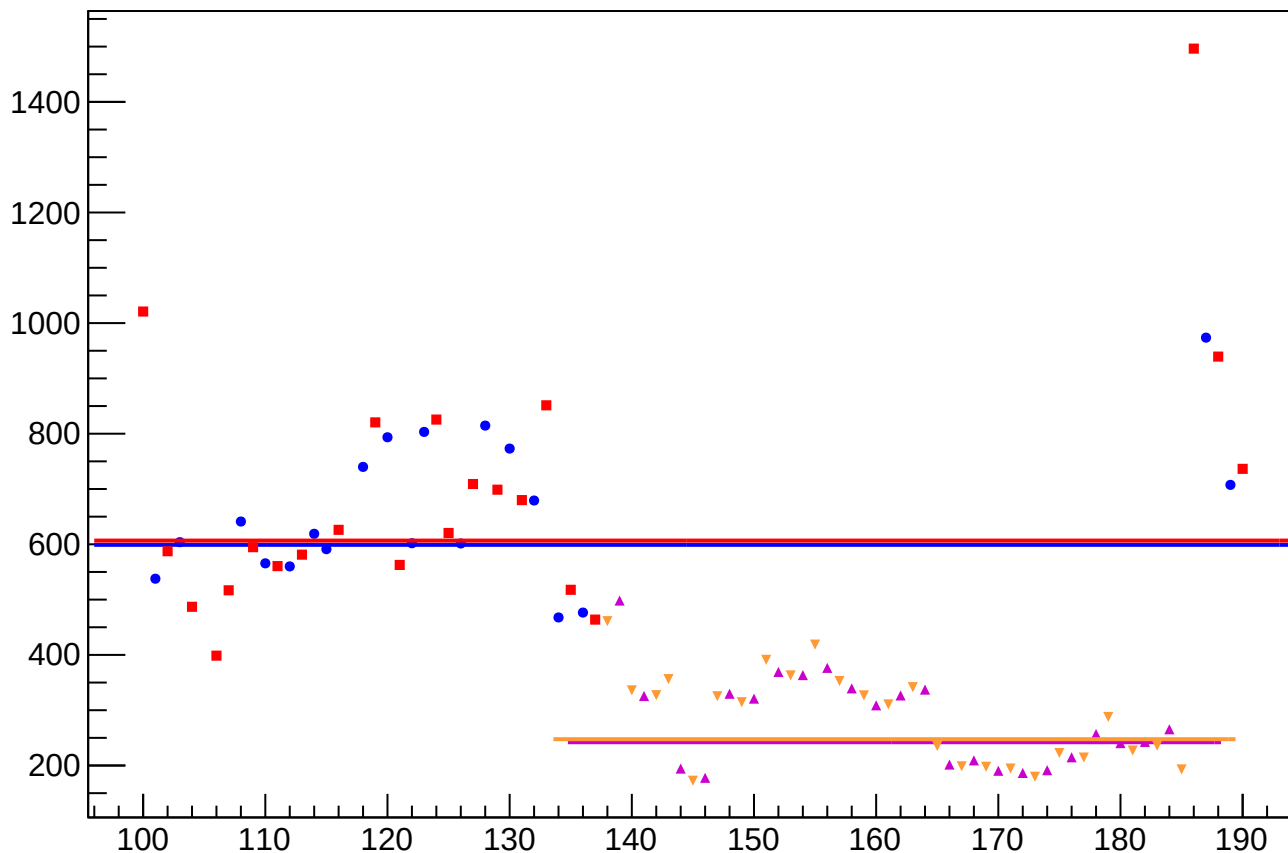
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -272.103 ± 58.193 χ^2/NDF : 95.5/43

All: -163.285 ± 41.133 χ^2/NDF : 143.1/88

- sign -54.633 ± 58.149 χ^2/NDF : 40.6/44

asym_sam_37_dd_correction_rms vs Slug



Right In: 599.060 $\pm$ 0.162 χ^2 /NDF: 424071.7/18

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 606.734 $\pm$ 0.151 χ^2 /NDF: 1035650.1/21

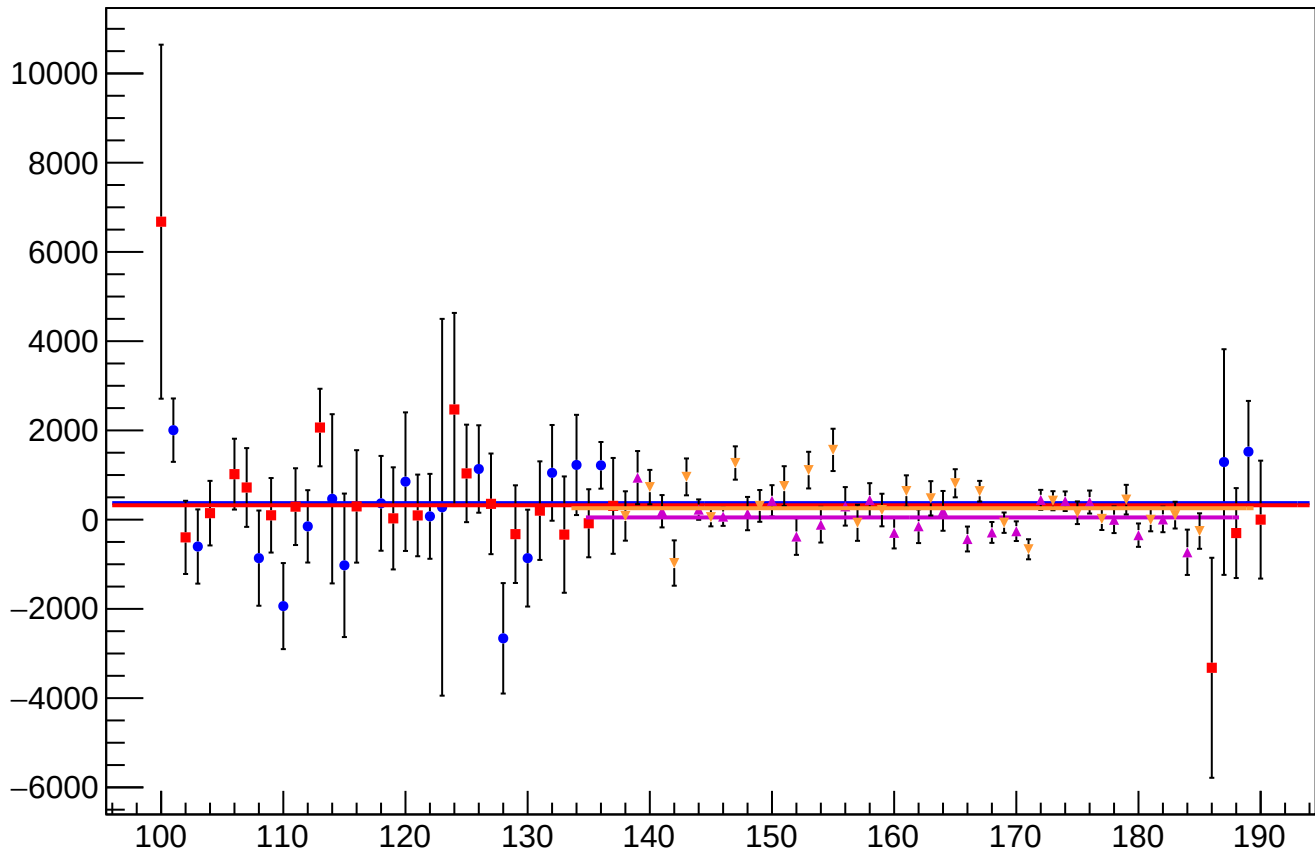
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 270.367 $\pm$ 0.041 χ^2 /NDF: 7630412.2/43

All: 269.747 $\pm$ 0.029 χ^2 /NDF: 16526421.5/80

- sign 269.127 $\pm$ 0.041 χ^2 /NDF: 8895555.0/44

asym_sam_37_dd_mean vs Slug



Right In: 370.204 $\pm$ 230.539 χ^2 /NDF: 27.7/18

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF:63.6/24

Right Out: 322.310 $\pm$ 216.103 χ^2 /NDF: 13.5/21

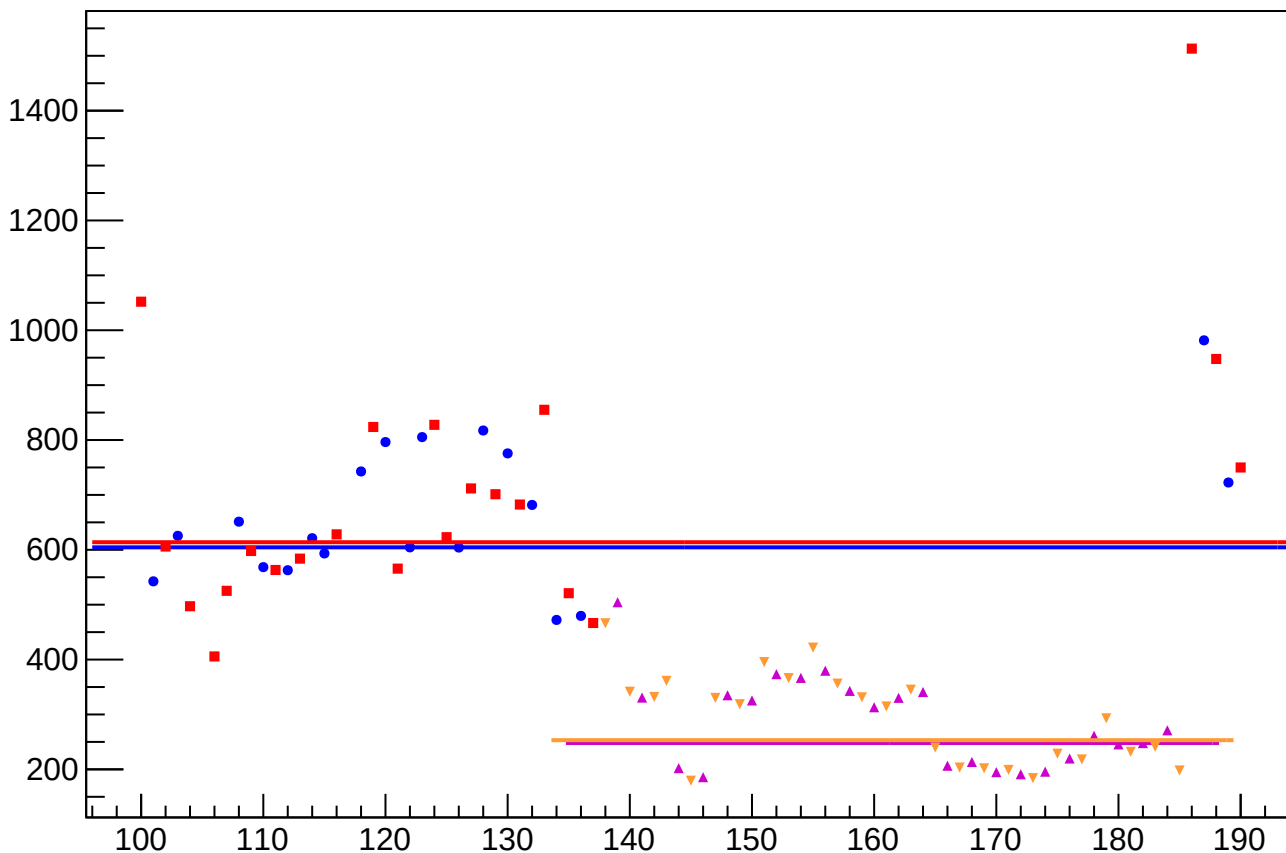
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF:27.5/22

+ sign 263.564 $\pm$ 59.348 χ^2 /NDF: 91.6/43

All: 167.078 $\pm$ 41.984 χ^2 /NDF: 139.4/88

- sign 70.419 $\pm$ 59.401 χ^2 /NDF: 42.5/44

asym_sam_37_dd_rms vs Slug



Right In: 604.483 ± 0.163 $\chi^2/\text{NDF}: 424488.1/18$

Left Out: 253.137 ± 0.043 $\chi^2/\text{NDF}: 2665975.8/24$

Right Out: 613.798 ± 0.153 $\chi^2/\text{NDF}: 1014942.8/21$

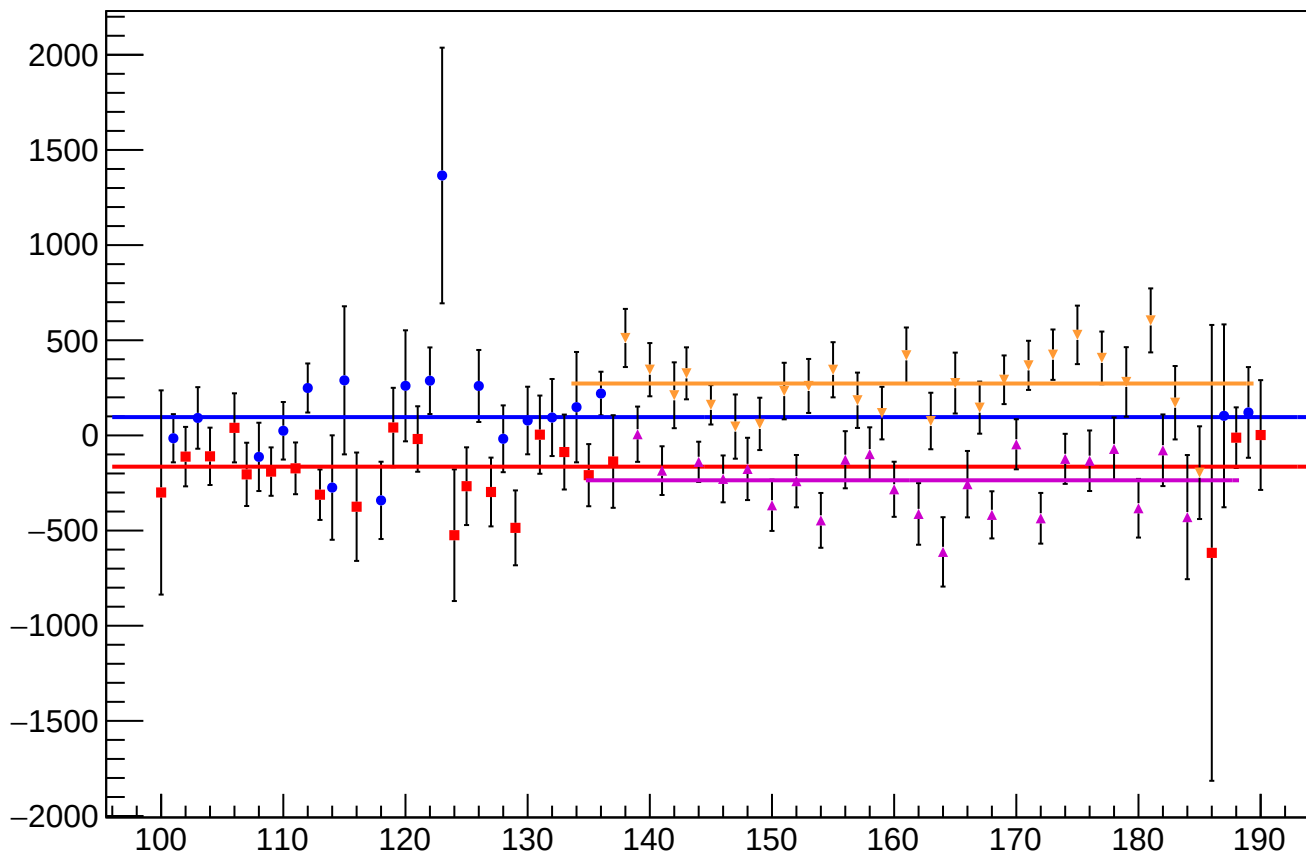
Left In: 248.069 ± 0.044 $\chi^2/\text{NDF}: 2343295.0/22$

+ sign 276.421 ± 0.042 $\chi^2/\text{NDF}: 7427907.9/43$

All: 276.062 ± 0.030 $\chi^2/\text{NDF}: 16081802.0/88$

- sign 275.702 ± 0.042 $\chi^2/\text{NDF}: 8653747.2/44$

reg_asym_sam_48_dd_mean vs Slug



Right In: 96.186 ± 42.527 χ^2/NDF : 17.9/18

Left Out: 272.684 ± 29.221 χ^2/NDF : 27.4/24

Right Out: -164.238 ± 39.474 χ^2/NDF : 12.0/21

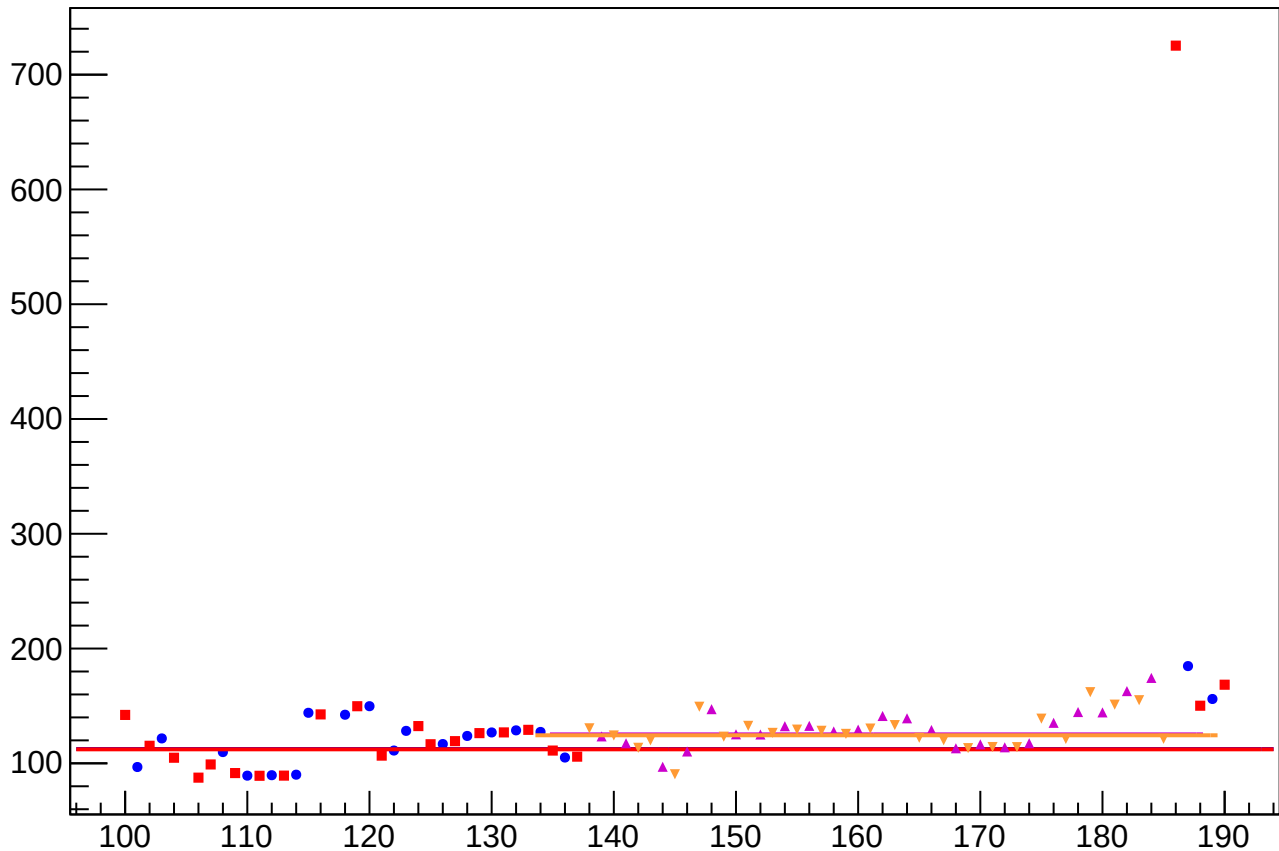
Left In: -235.801 ± 30.232 χ^2/NDF : 24.6/22

+ sign 216.078 ± 24.084 χ^2/NDF : 57.1/43

All: 2.638 ± 17.001 χ^2/NDF : 252.3/88

- sign -209.345 ± 24.001 χ^2/NDF : 38.7/44

reg_asym_sam_48_dd_rms vs Slug



Right In: 112.474+/-0.030 χ^2/NDF : 412555.8/18

Left Out: 124.429+/-0.021 χ^2/NDF : 539731.8/24

Right Out: 112.197+/-0.028 χ^2/NDF : 1083007.5/21

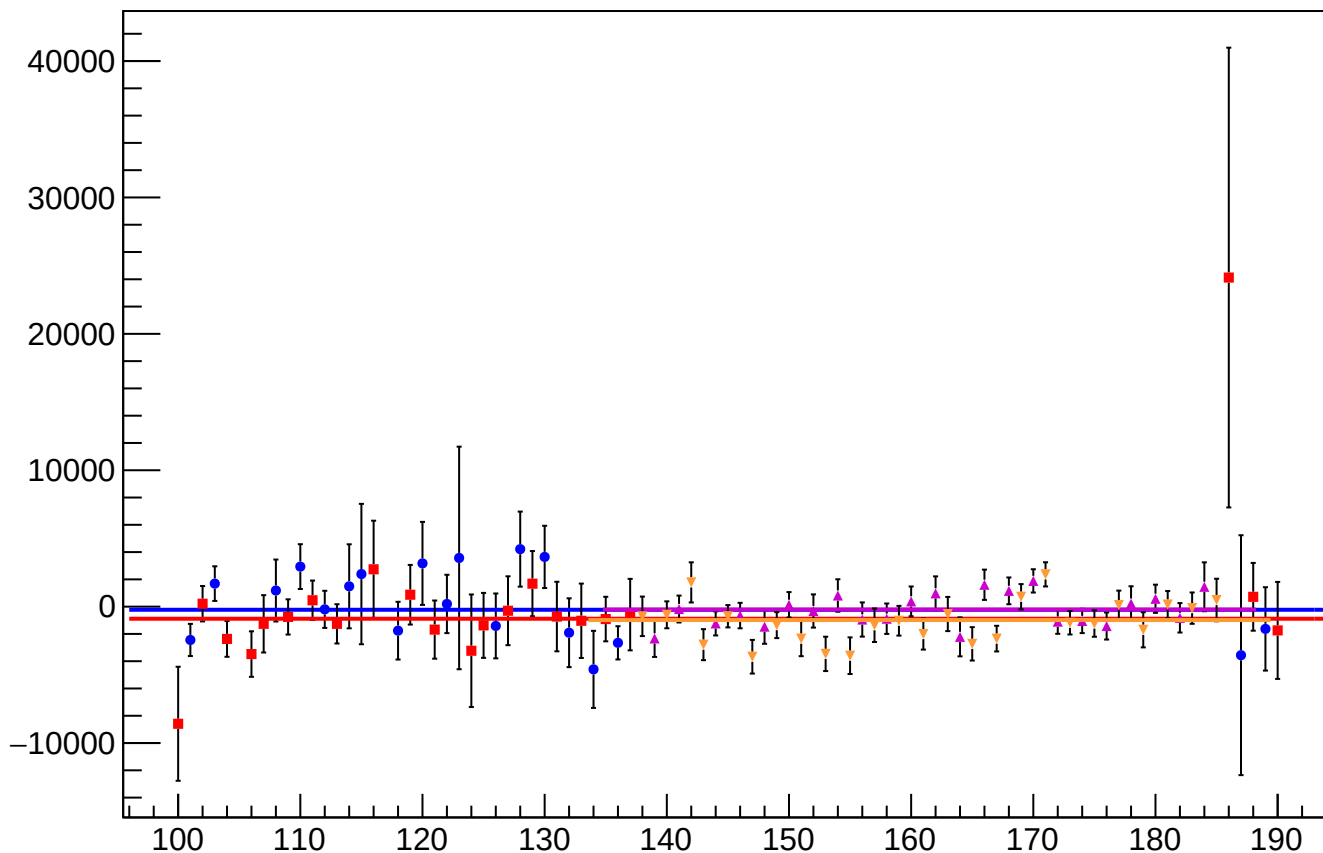
Left In: 125.205+/-0.021 χ^2/NDF : 501388.2/22

+ sign 120.595+/-0.017 χ^2/NDF : 1059638.8/43

All: 120.495+/-0.012 χ^2/NDF : 2780998.4/88

- sign 120.396+/-0.017 χ^2/NDF : 1721291.3/44

asym_sam_48_dd_correction_mean vs Slug



Right In: -228.702 ± 459.803 χ^2/NDF : 25.4/18

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -886.454 ± 426.025 χ^2/NDF : 14.9/21

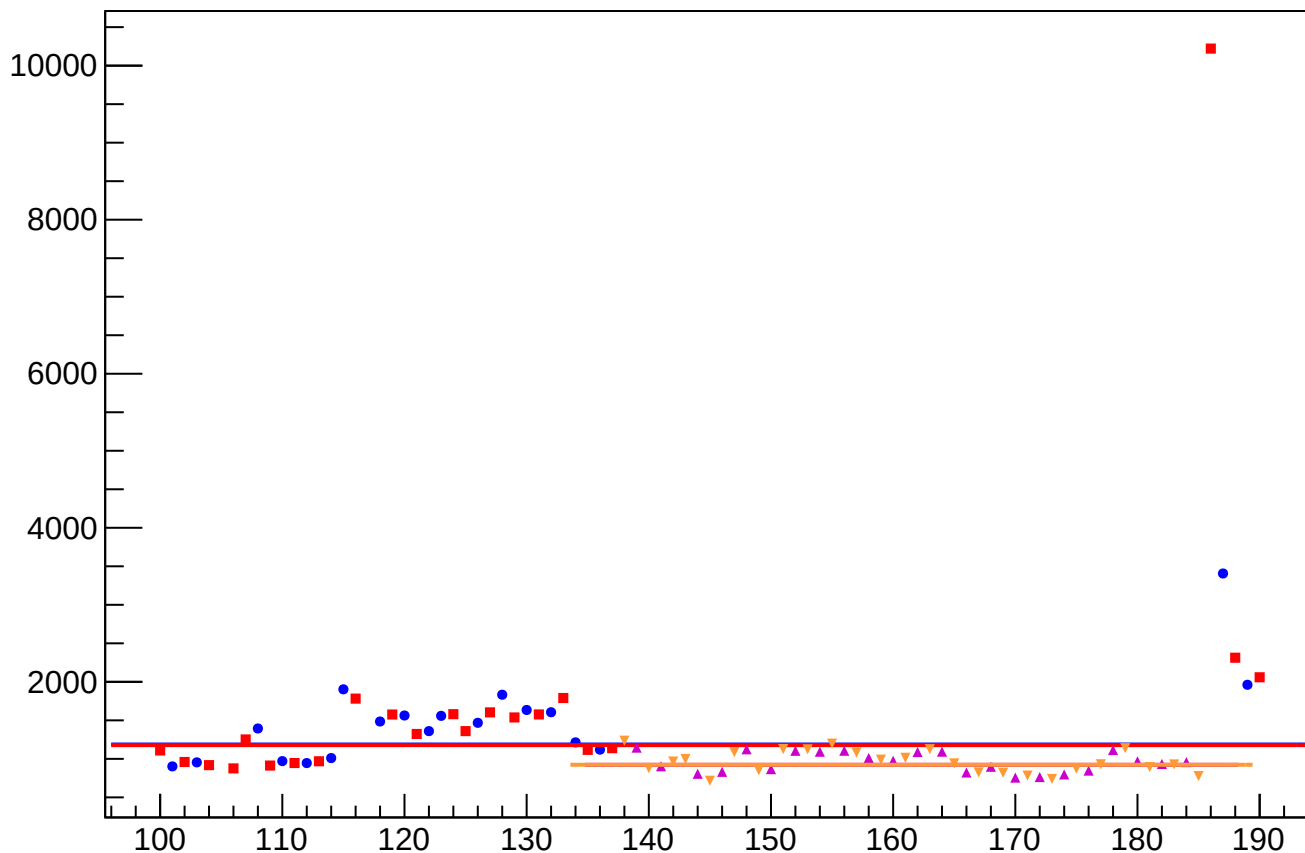
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -844.410 ± 196.997 χ^2/NDF : 74.8/43

All: -601.616 ± 139.573 χ^2/NDF : 120.4/88

- sign -356.900 ± 197.776 χ^2/NDF : 42.5/44

asym_sam_48_dd_correction_rms vs Slug



Right In: 1186.020 $\pm$ 0.325 χ^2 /NDF: 963049.5/18

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

+ sign 971.759 $\pm$ 0.139 χ^2 /NDF: 2337734.3/43

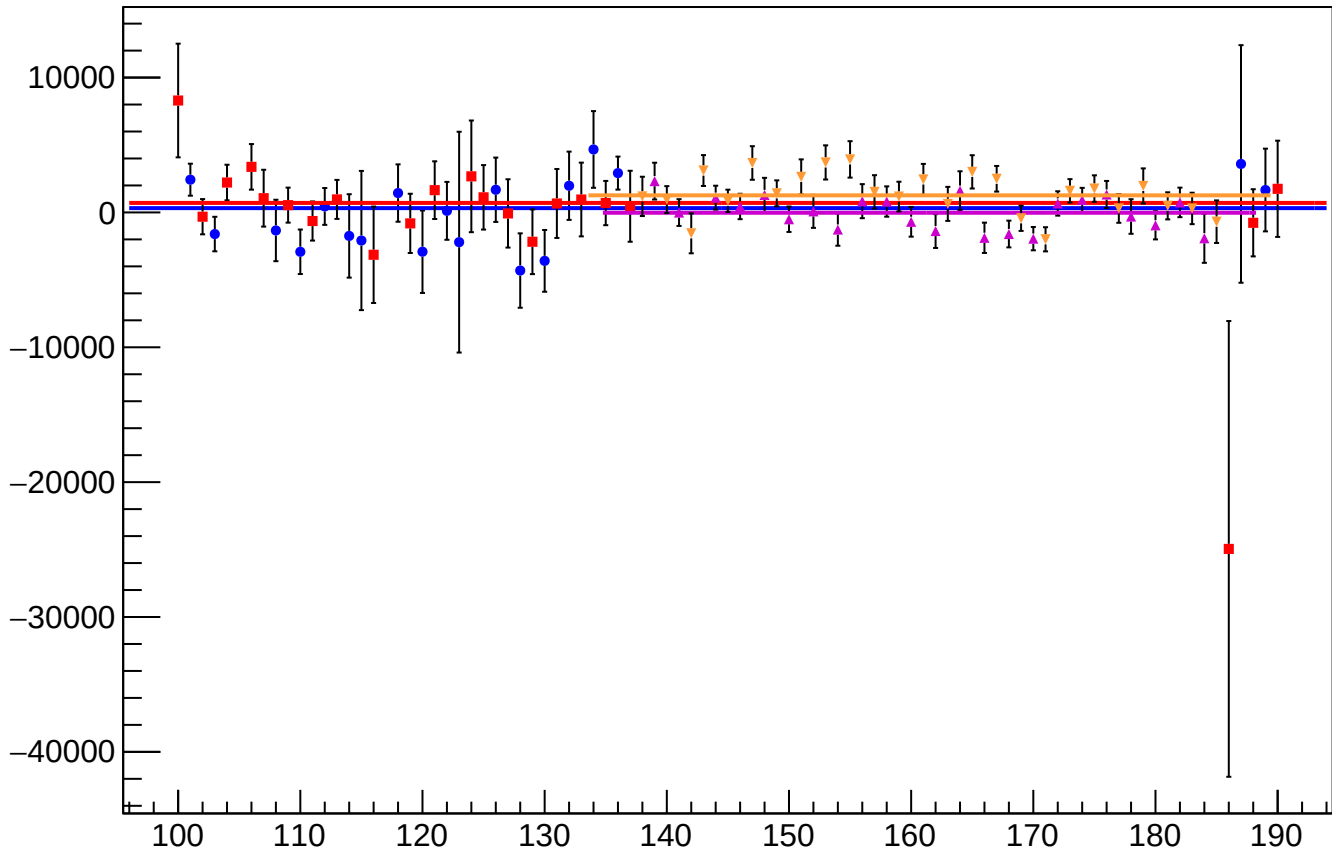
Right Out: 1178.186 $\pm$ 0.301 χ^2 /NDF: 1916587.5/21

All: 974.570 $\pm$ 0.099 χ^2 /NDF: 5456120.3/88

Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

- sign 977.404 $\pm$ 0.140 χ^2 /NDF: 3117568.0/44

asym_sam_48_dd_mean vs Slug



Right In: 318.413 ± 462.042 χ^2/NDF : 25.6/18

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 705.368 ± 428.301 χ^2/NDF : 15.0/21

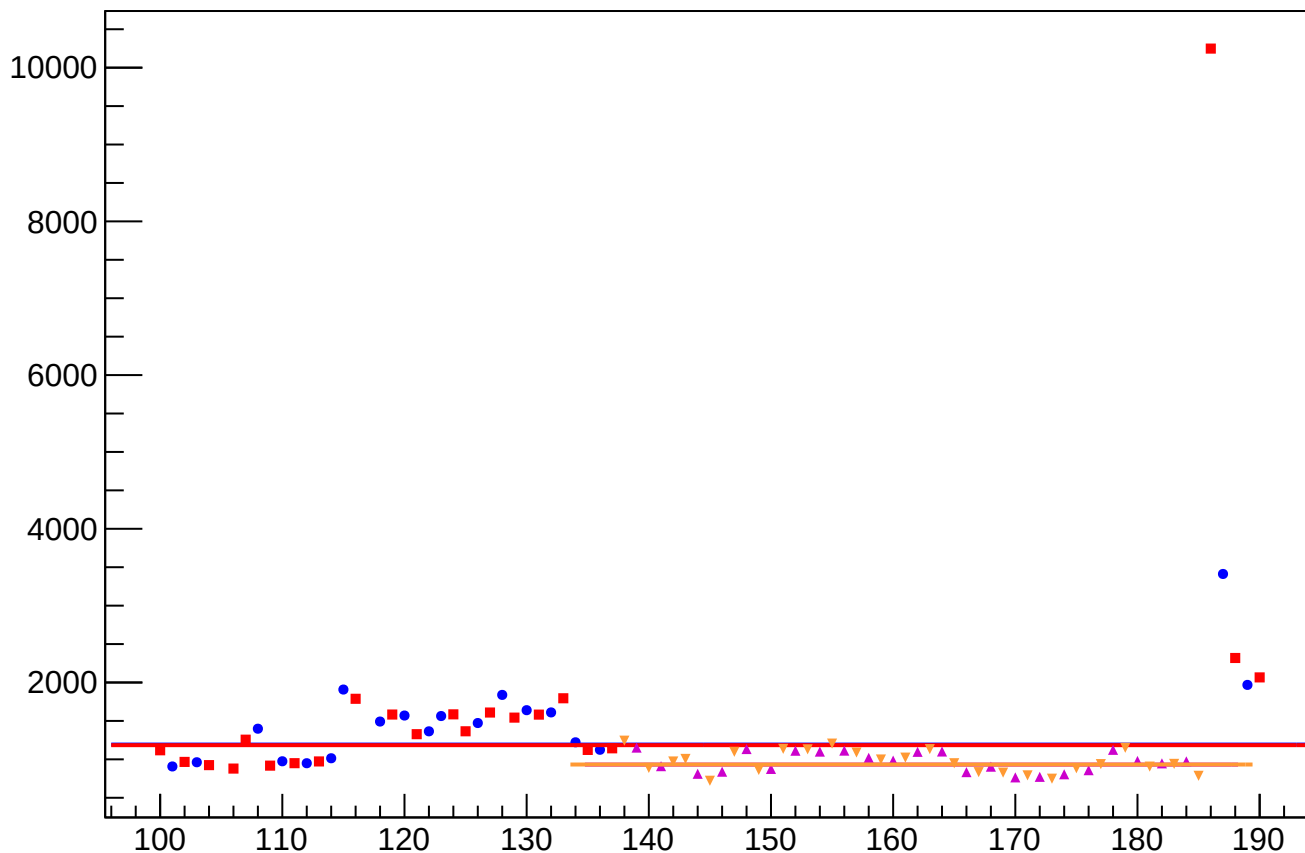
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1091.793 ± 198.731 χ^2/NDF : 74.0/43

All: 615.160 ± 140.805 χ^2/NDF : 129.9/88

- sign 134.699 ± 199.527 χ^2/NDF : 44.4/44

asym_sam_48_dd_rms vs Slug



Right In: 1192.145+/-0.327 χ^2/NDF : 956451.0/18

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1184.568+/-0.303 χ^2/NDF : 1906865.5/21

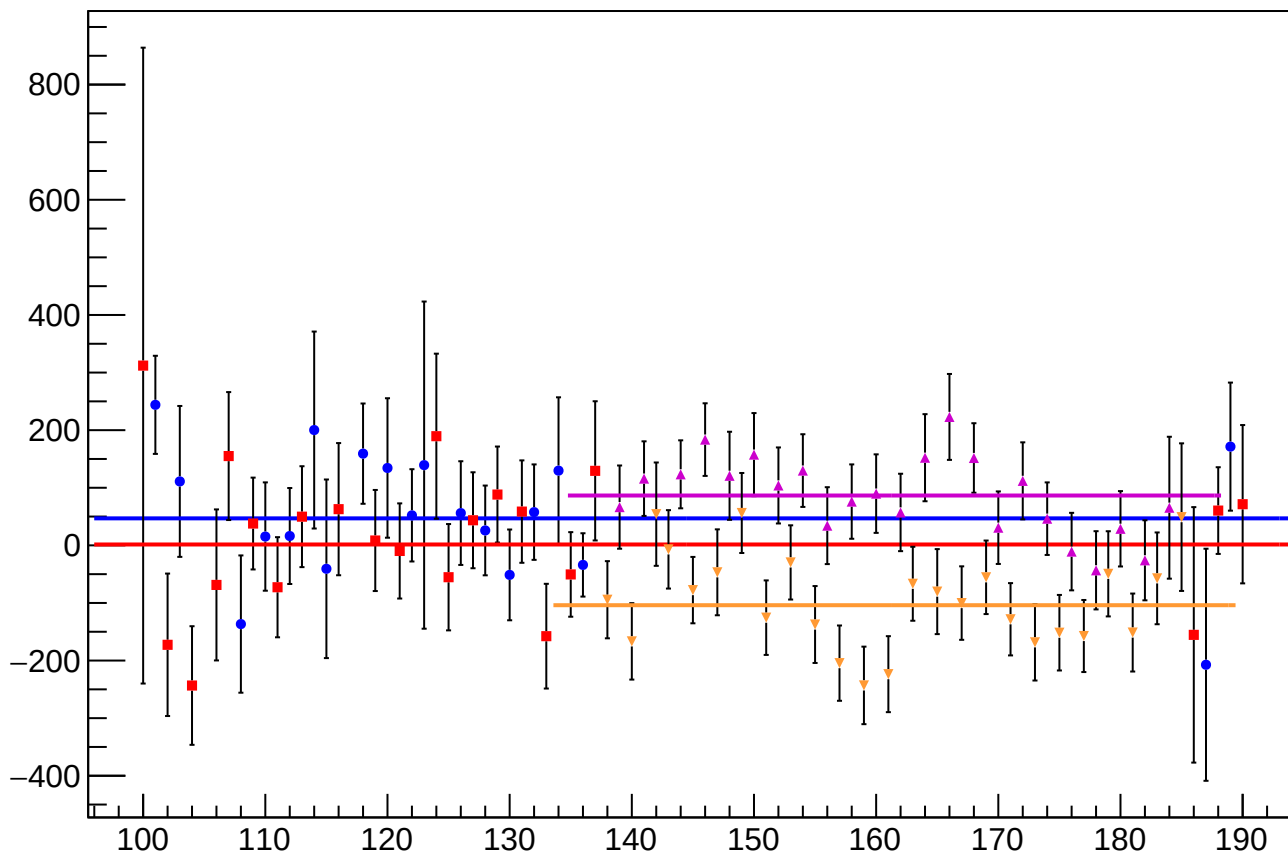
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 980.749+/-0.141 χ^2/NDF : 2299942.5/43

All: 983.571+/-0.100 χ^2/NDF : 5378795.4/88

- sign 986.416+/-0.141 χ^2/NDF : 3078043.0/44

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 46.870 ± 22.028 χ^2/NDF : 18.7/18

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: 1.523 ± 20.942 χ^2/NDF : 21.6/21

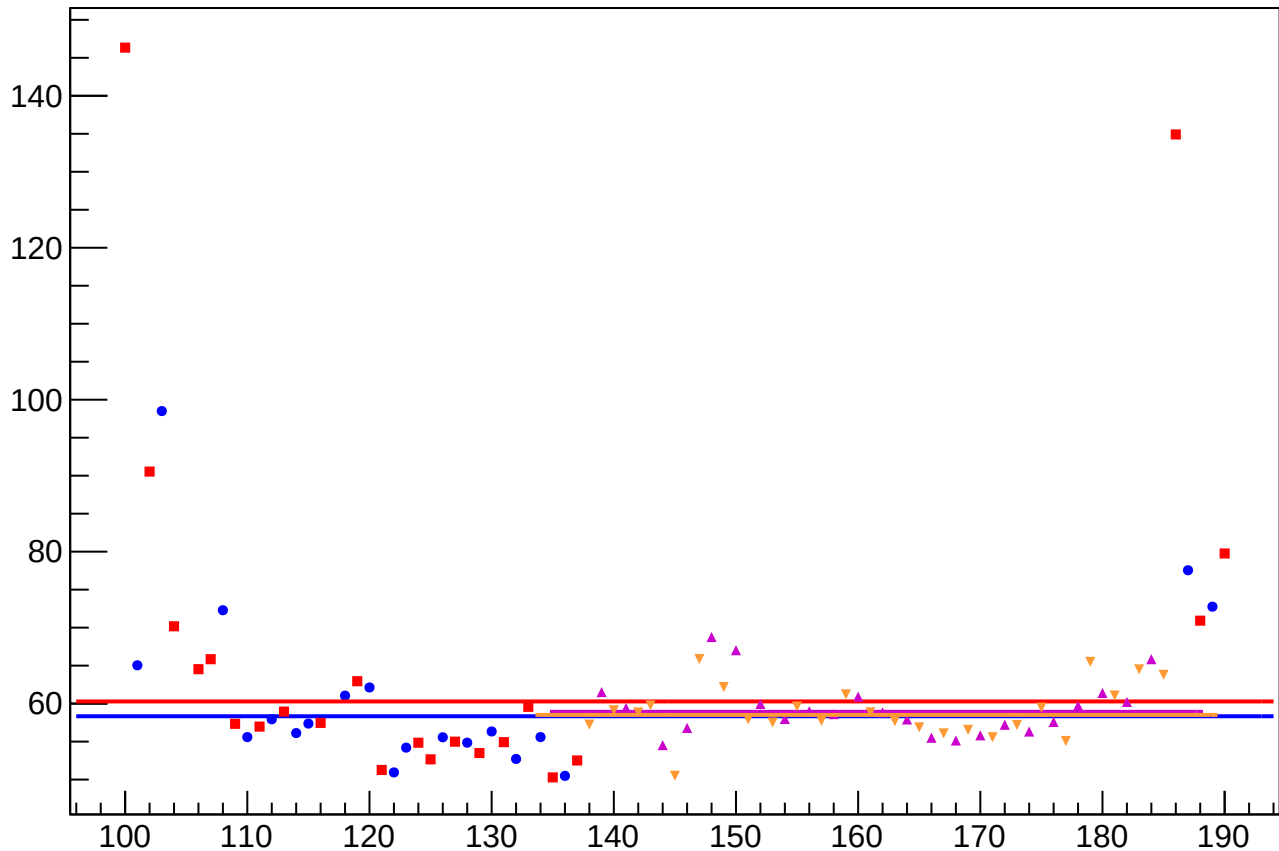
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -62.102 ± 11.598 χ^2/NDF : 82.5/43

All: -1.638 ± 8.239 χ^2/NDF : 191.7/88

- sign 59.971 ± 11.707 χ^2/NDF : 54.3/44

reg_asym_sam_13_57_dd_rms vs Slug



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: 60.284+/-0.015 χ^2/NDF : 624014.0/21

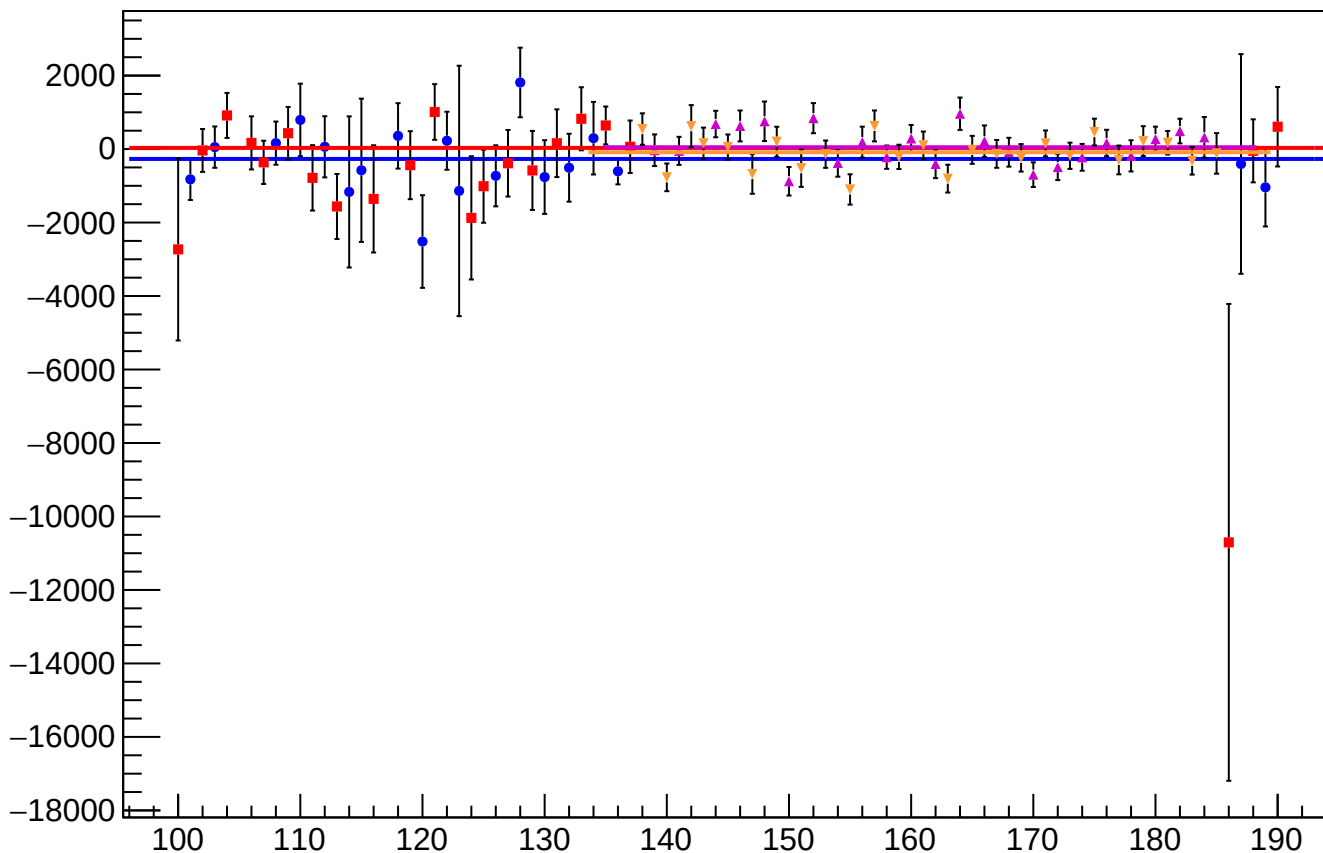
Left In: 58.913+/-0.010 χ^2/NDF : 109968.0/22

+ sign 58.463+/-0.008 χ^2/NDF : 484627.7/43

All: 58.898+/-0.006 χ^2/NDF : 1230185.5/88

- sign 59.342+/-0.008 χ^2/NDF : 739873.9/44

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -268.891 ± 181.366 χ^2/NDF : 14.7/18

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: 31.418 ± 175.739 χ^2/NDF : 19.3/21

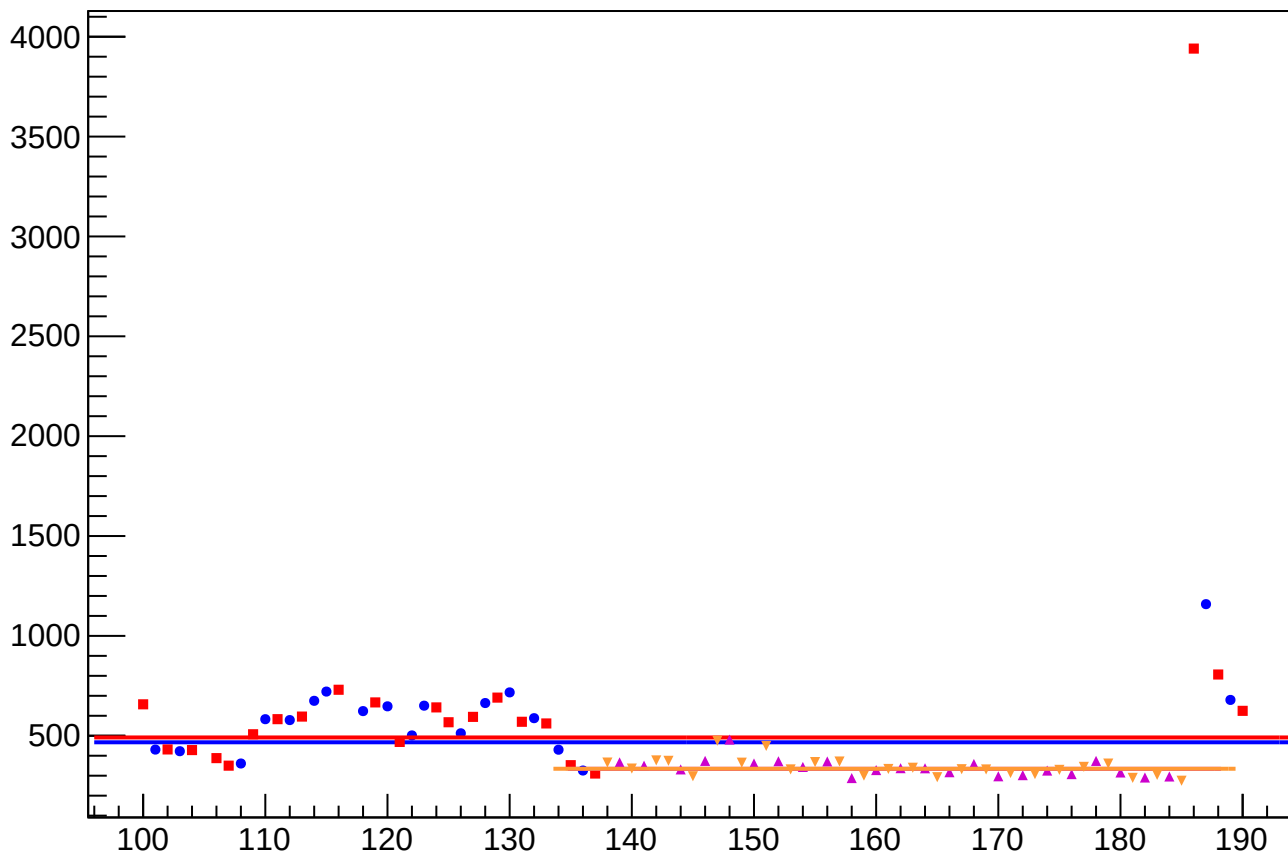
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -116.120 ± 72.085 χ^2/NDF : 43.3/43

All: -36.460 ± 51.369 χ^2/NDF : 100.4/88

- sign 45.734 ± 73.223 χ^2/NDF : 54.6/44

asym_sam_13_57_dd_correction_rms vs Slug



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: 491.468 $\pm$ 0.124 χ^2/NDF : 1673431.6/21

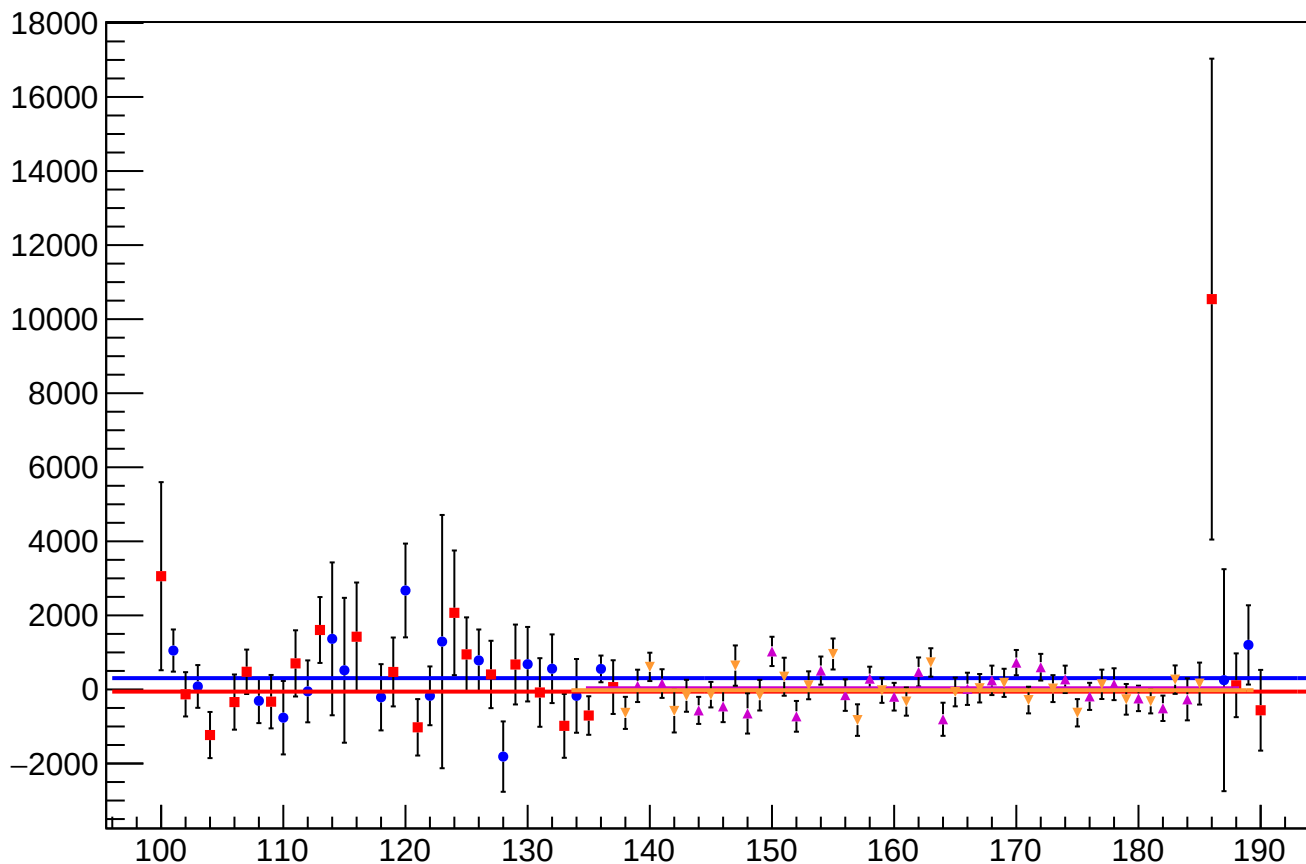
Left In: 334.147 $\pm$ 0.057 χ^2/NDF : 397200.6/22

+ sign 355.678 $\pm$ 0.051 χ^2/NDF : 2460681.5/43

All: 358.523 $\pm$ 0.036 χ^2/NDF : 5862157.2/88

- sign 361.458 $\pm$ 0.052 χ^2/NDF : 3395147.2/44

asym_sam_13_57_dd_mean vs Slug



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: -58.319 $\pm$ 177.826 χ^2 /NDF: 22.3/21

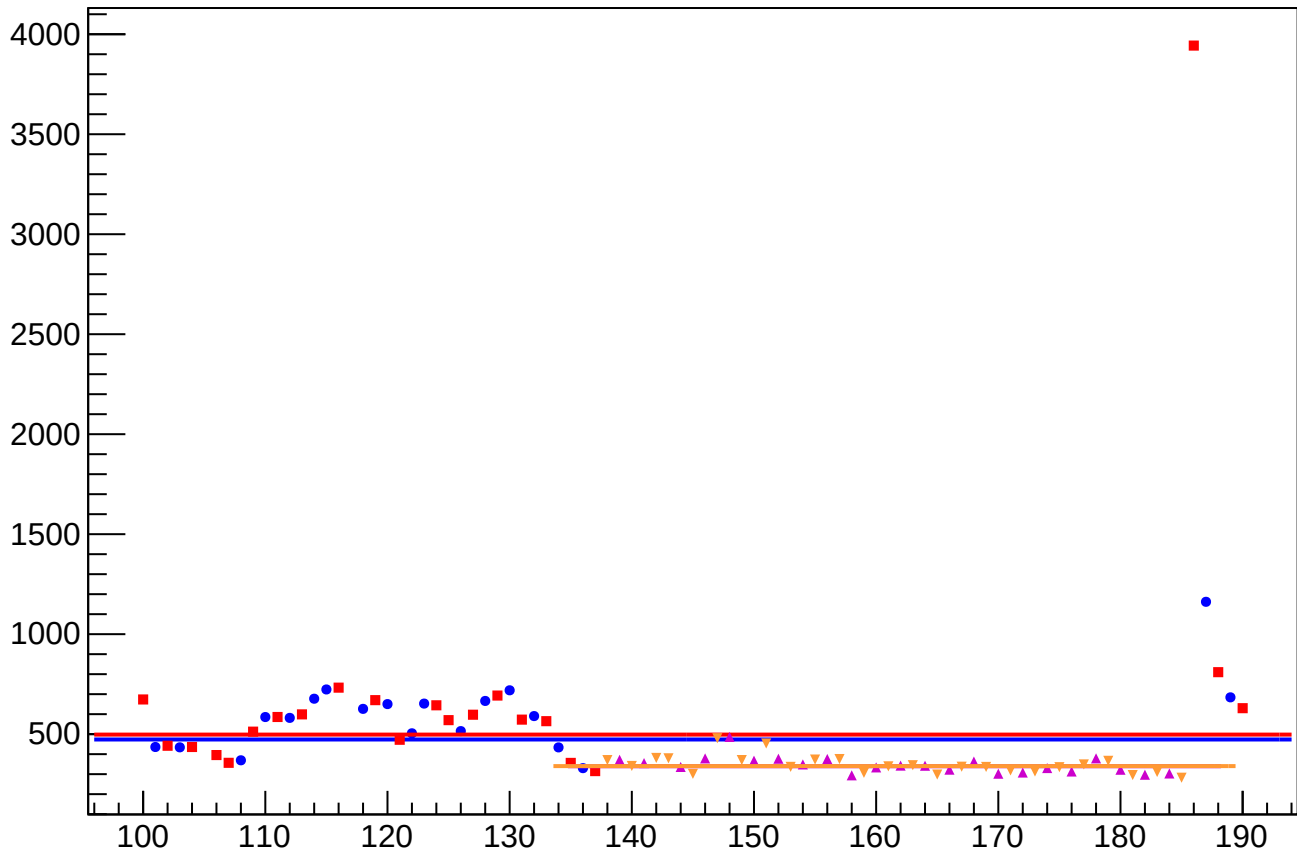
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 31.053 $\pm$ 73.187 χ^2 /NDF: 45.6/43

All: 23.669 $\pm$ 52.155 χ^2 /NDF: 102.1/88

- sign 16.049 $\pm$ 74.344 χ^2 /NDF: 56.5/44

asym_sam_13_57_dd_rms vs Slug



Right In: 473.324 $\pm$ 0.130 χ^2 /NDF: 1035670.8/18

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 497.799 $\pm$ 0.126 χ^2 /NDF: 1633671.4/21

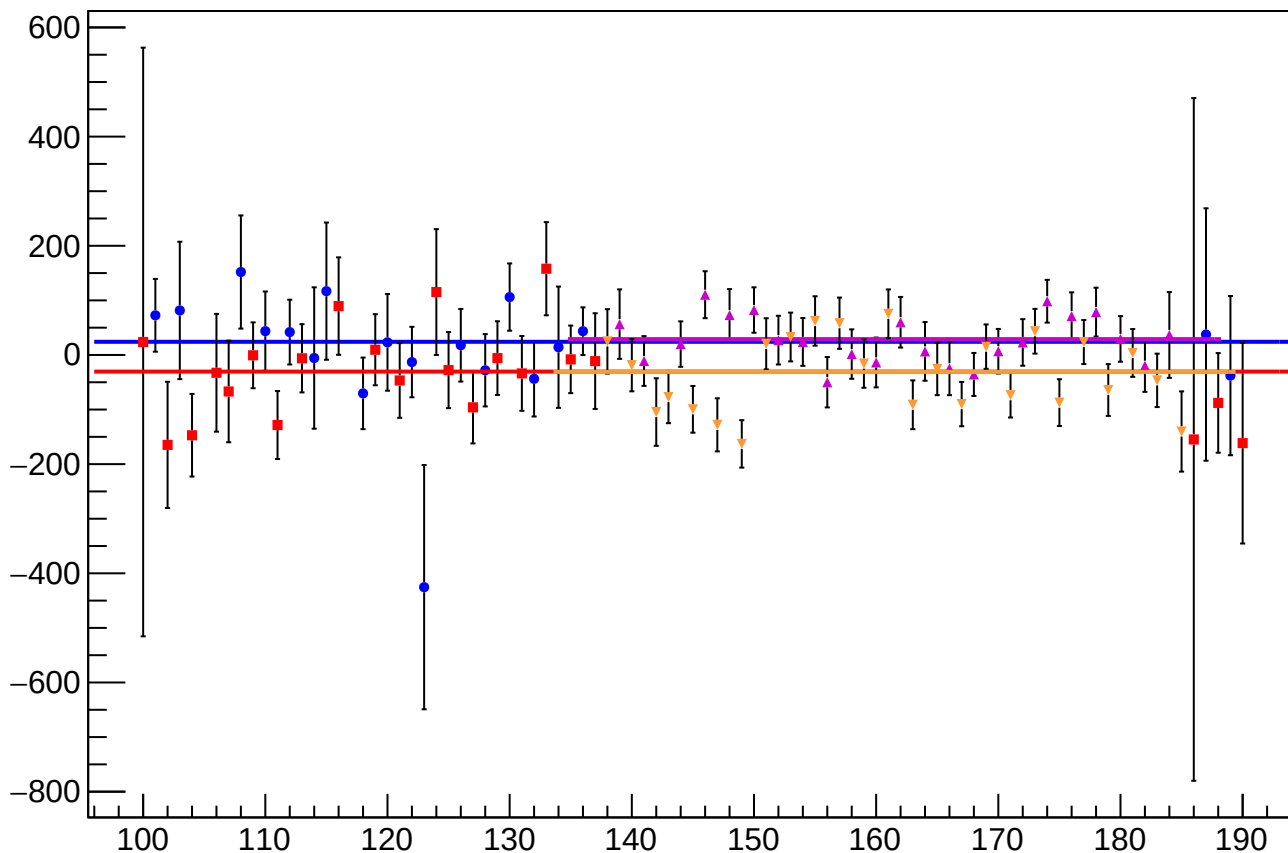
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 361.415 $\pm$ 0.052 χ^2 /NDF: 2389433.9/43

All: 364.295 $\pm$ 0.037 χ^2 /NDF: 5715083.0/88

- sign 367.268 $\pm$ 0.053 χ^2 /NDF: 3319352.5/44

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.124 $\pm$ 17.687 χ^2 /NDF: 13.2/18

Left Out: -31.063 $\pm$ 9.170 χ^2 /NDF: 52.6/24

Right Out: -30.465 $\pm$ 17.046 χ^2 /NDF: 17.7/21

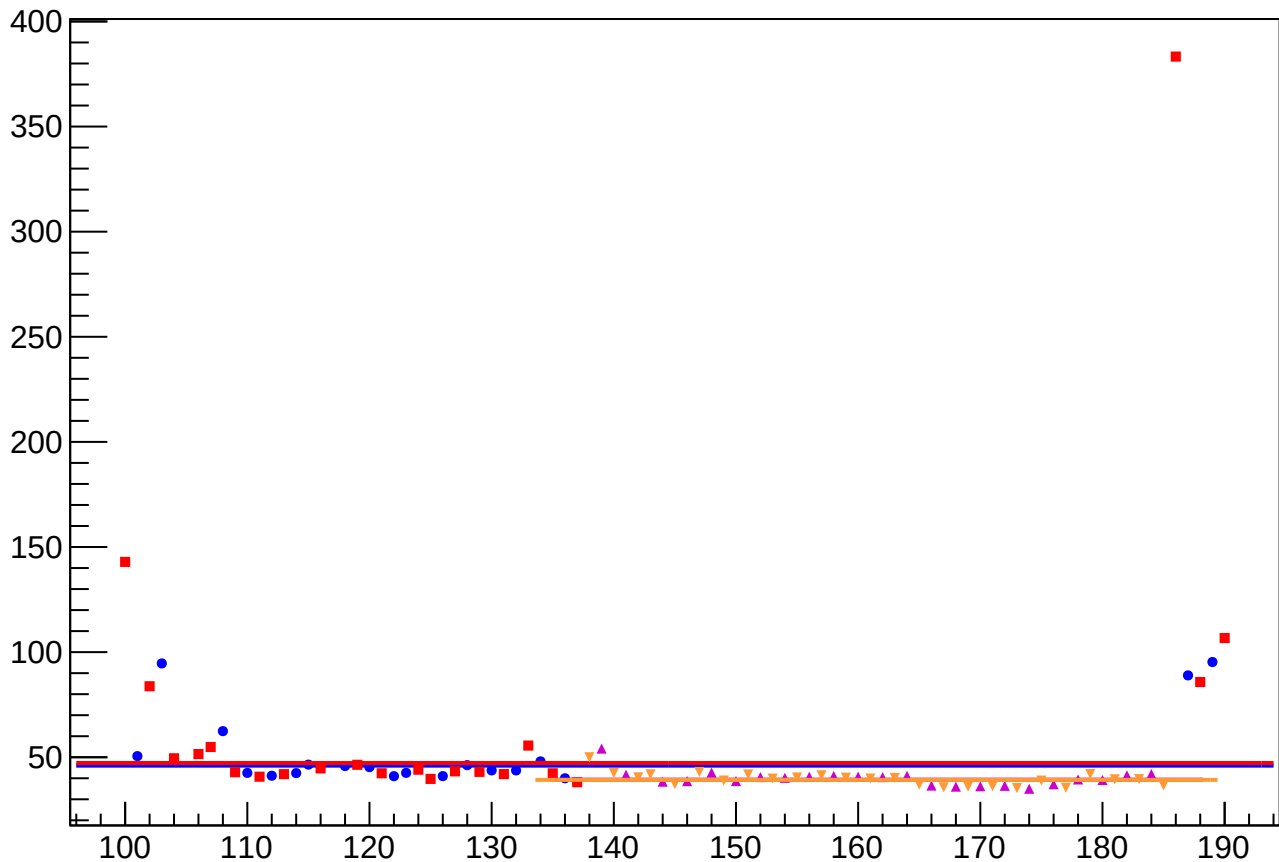
Left In: 29.055 $\pm$ 9.449 χ^2 /NDF: 22.4/22

+ sign -19.372 $\pm$ 8.141 χ^2 /NDF: 73.5/43

All: -2.414 $\pm$ 5.800 χ^2 /NDF: 131.8/88

- sign 15.064 $\pm$ 8.265 χ^2 /NDF: 49.5/44

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 46.006 $\pm$ 0.013 χ^2 /NDF: 741934.8/18

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 47.271 $\pm$ 0.012 χ^2 /NDF: 1587939.4/21

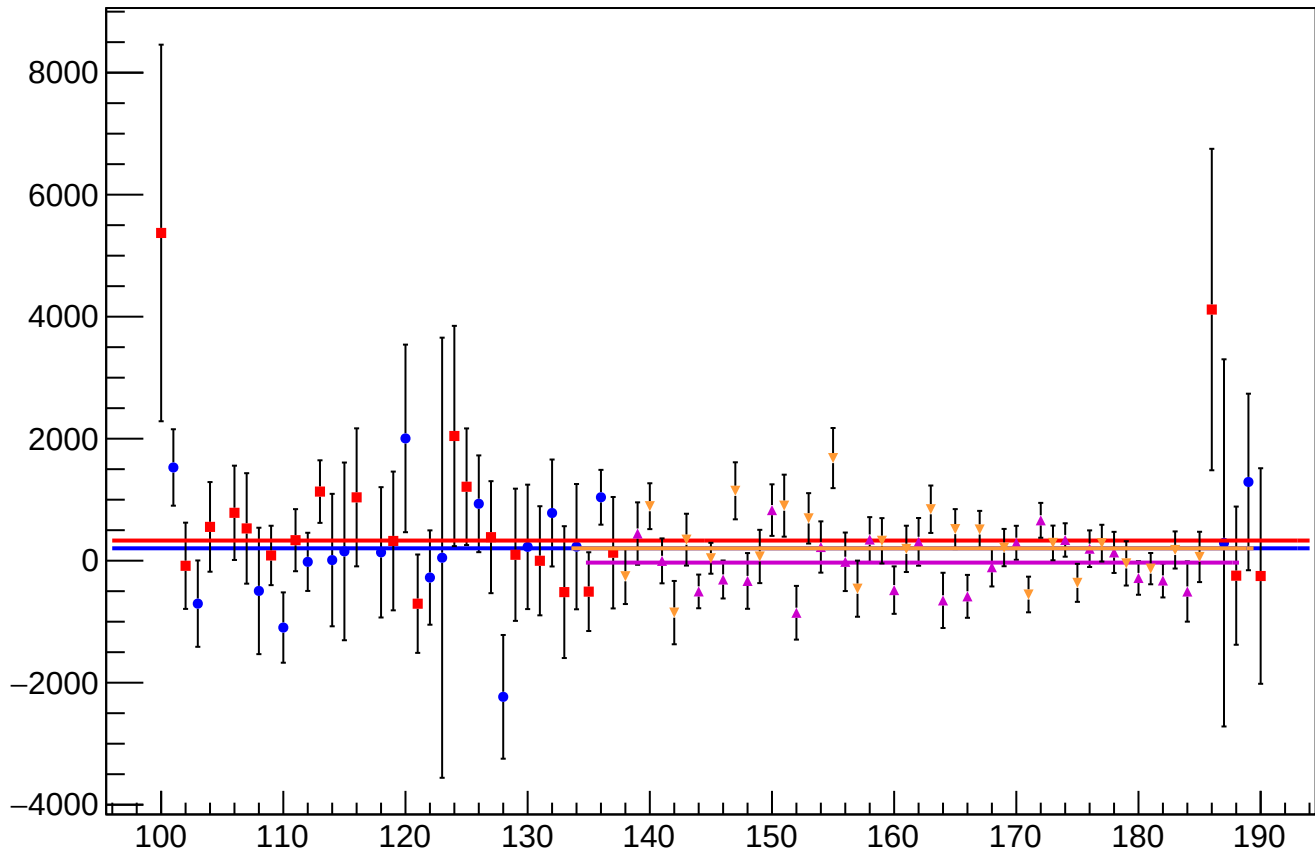
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 40.670 $\pm$ 0.006 χ^2 /NDF: 1174938.2/43

All: 40.932 $\pm$ 0.004 χ^2 /NDF: 3314108.0/88

- sign 41.203 $\pm$ 0.006 χ^2 /NDF: 2134939.8/44

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 202.994 ± 187.088 χ^2/NDF : 24.7/18

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 330.158 ± 176.189 χ^2/NDF : 15.0/21

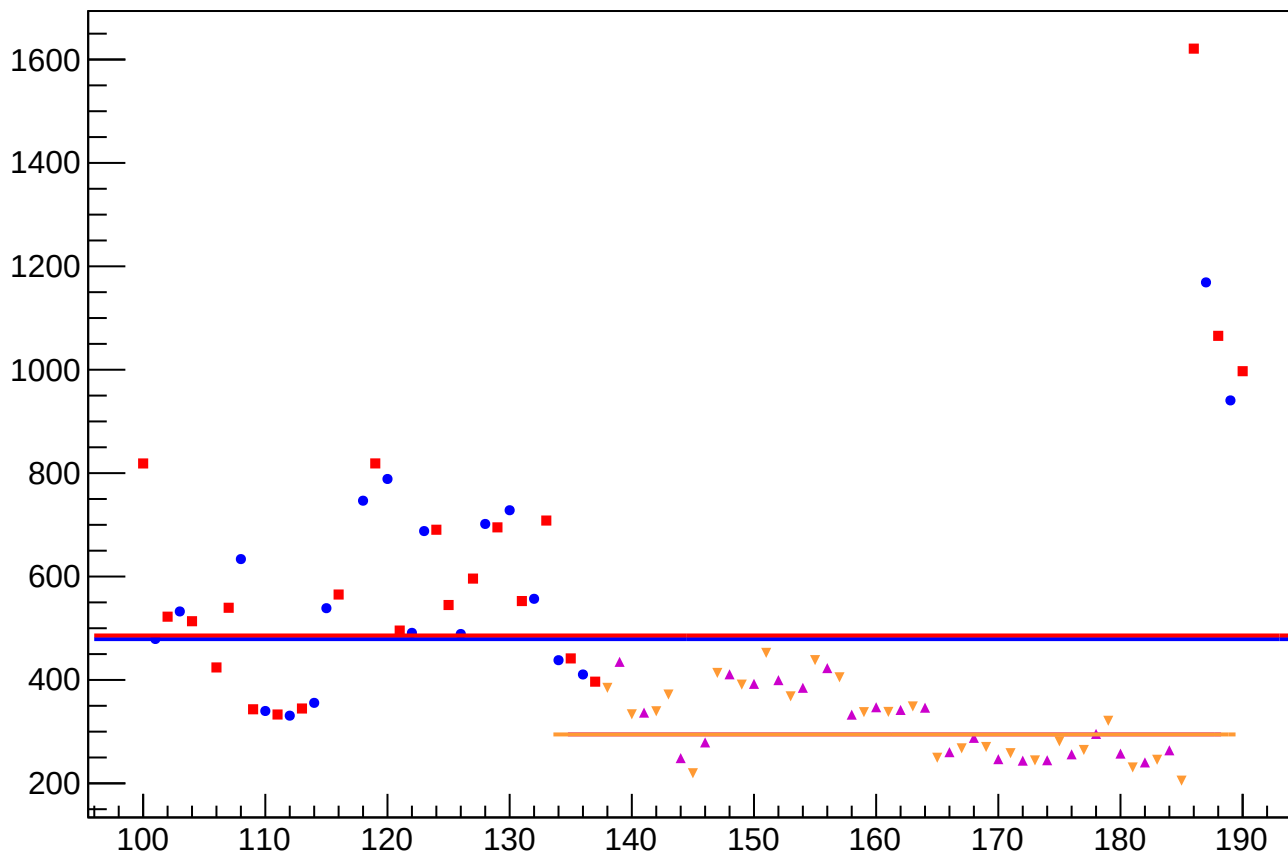
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 202.447 ± 65.911 χ^2/NDF : 69.6/43

All: 112.514 ± 46.893 χ^2/NDF : 125.3/88

- sign 20.335 ± 66.729 χ^2/NDF : 51.9/44

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 478.974 ± 0.132 $\chi^2/\text{NDF}: 1198788.5/18$

Left Out: 294.591 ± 0.050 $\chi^2/\text{NDF}: 1680474.5/24$

Right Out: 486.001 ± 0.125 $\chi^2/\text{NDF}: 2059476.9/21$

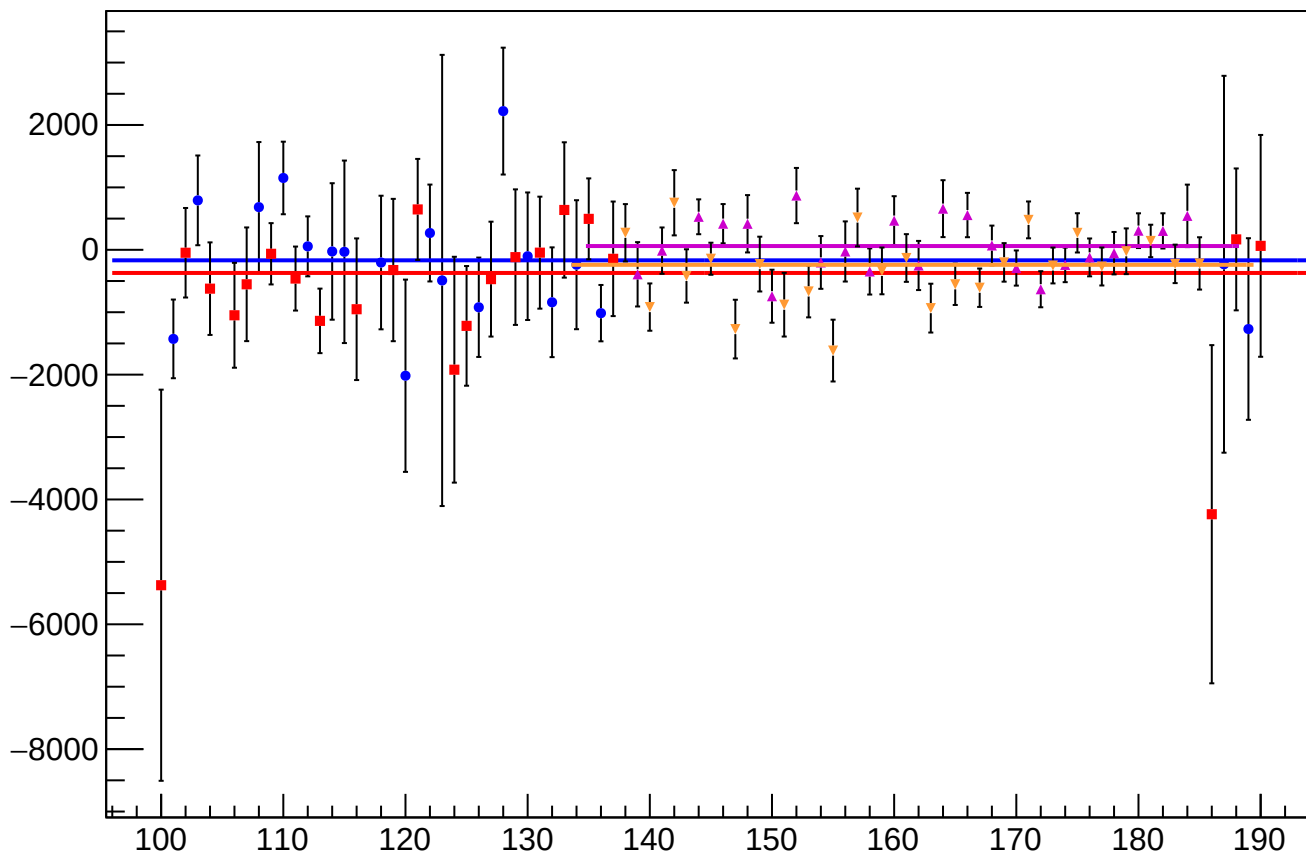
Left In: 294.722 ± 0.051 $\chi^2/\text{NDF}: 1297310.3/22$

+ sign 317.476 ± 0.047 $\chi^2/\text{NDF}: 4580738.2/43$

All: 319.789 ± 0.033 $\chi^2/\text{NDF}: 9961654.9/88$

- sign 322.159 ± 0.047 $\chi^2/\text{NDF}: 5375930.4/44$

asym_sam_15_37_dd_mean vs Slug



Right In: -168.564 ± 188.243 χ^2/NDF : 24.7/18

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -370.846 ± 178.012 χ^2/NDF : 14.8/21

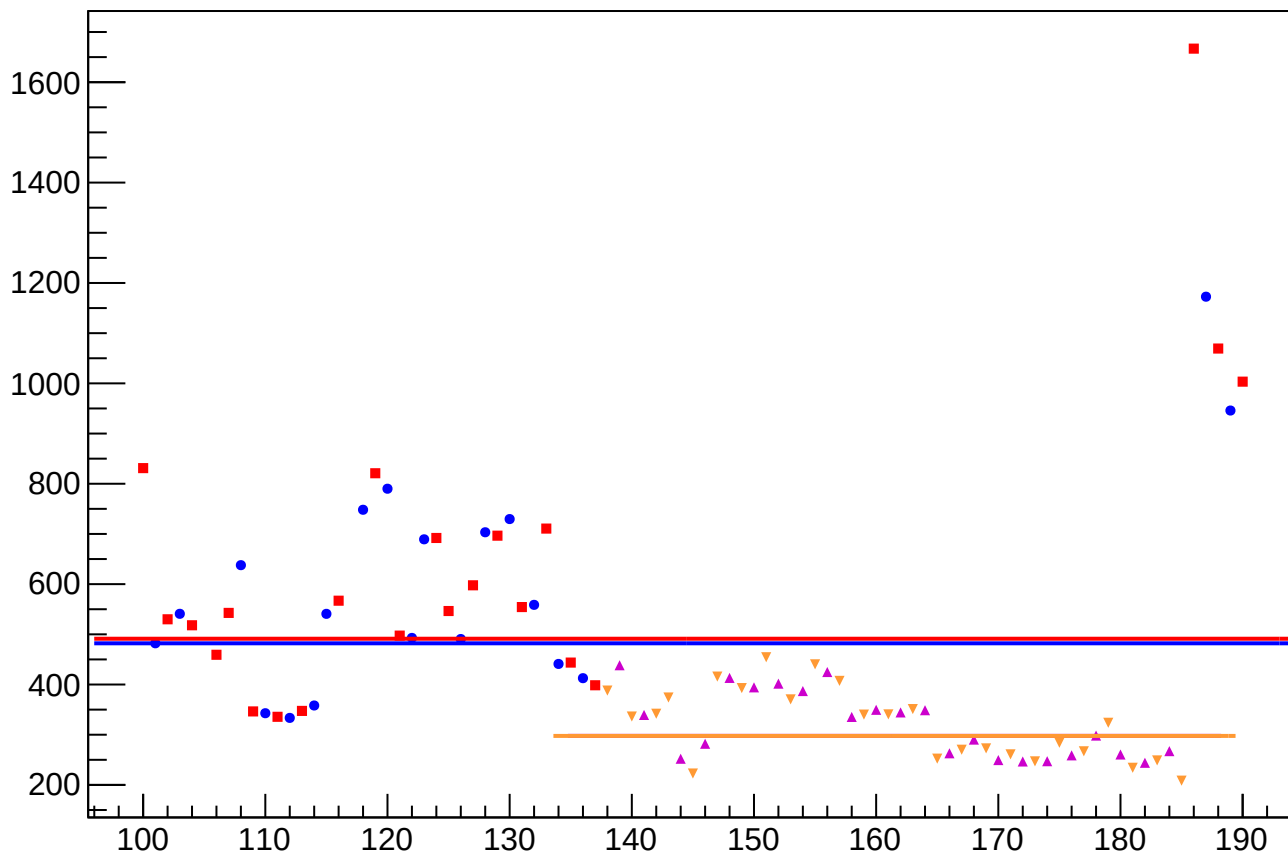
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -231.394 ± 66.514 χ^2/NDF : 67.8/43

All: -117.890 ± 47.333 χ^2/NDF : 124.4/88

- sign -1.434 ± 67.373 χ^2/NDF : 50.7/44

asym_sam_15_37_dd_rms vs Slug



Right In: 482.123+/-0.133 χ^2/NDF : 1189349.5/18

Left Out: 297.613 $\pm$ 0.050 χ^2 /NDF:1637757.8/24

+ sign 320.649+/-0.047 χ^2/NDF : 4508671.1/43

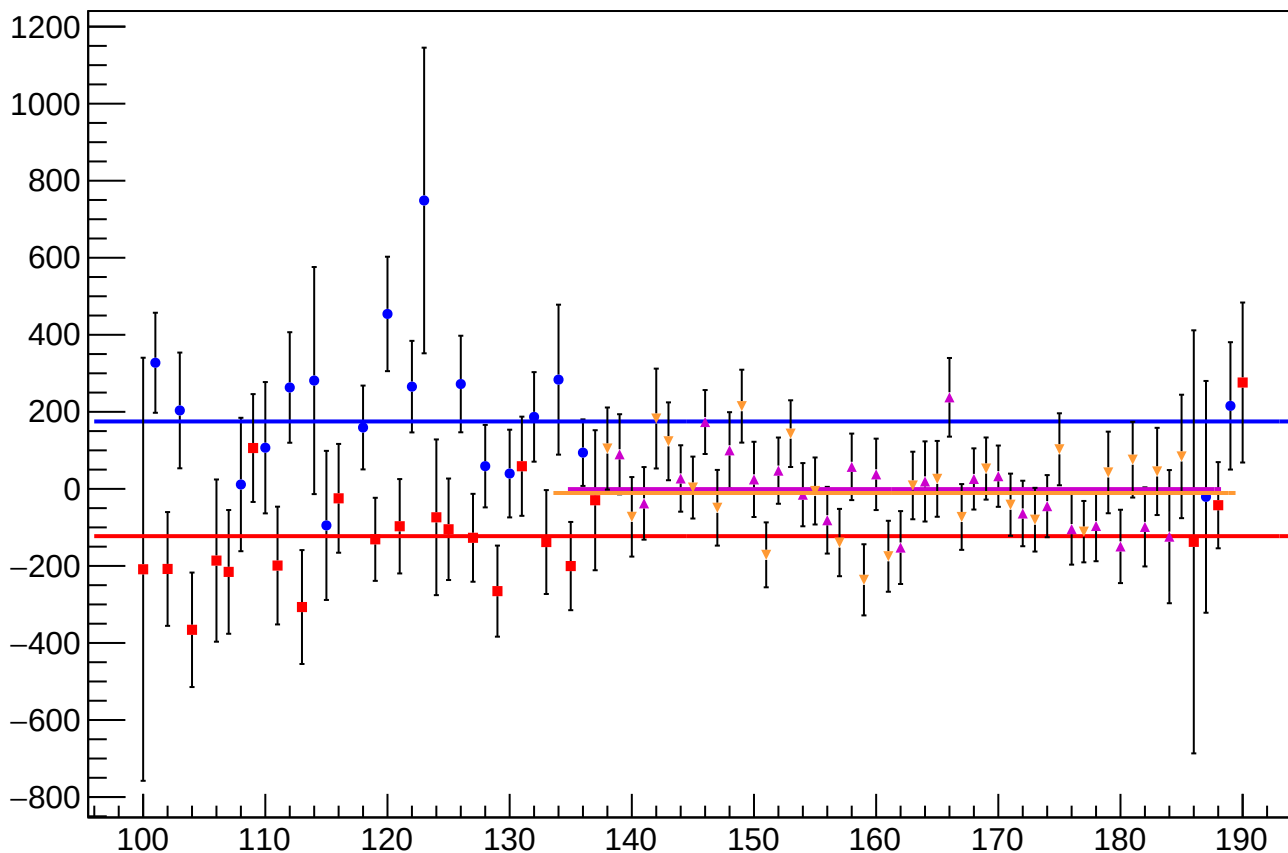
Right Out: 491.236 ± 0.126 χ^2/NDF : 2042823.2/21

All: 323.005 ± 0.033 $\chi^2/\text{NDF}: 9848314.9/88$

- sign 325.422+/-0.048 χ^2/NDF : 5334559.3/44

Left In: 297.699 ± 0.051 $\chi^2/\text{NDF}: 1266306.2/22$

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 175.035 $\pm$ 32.021 χ^2 /NDF: 16.0/18

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -122.712 $\pm$ 30.761 χ^2 /NDF: 16.9/21

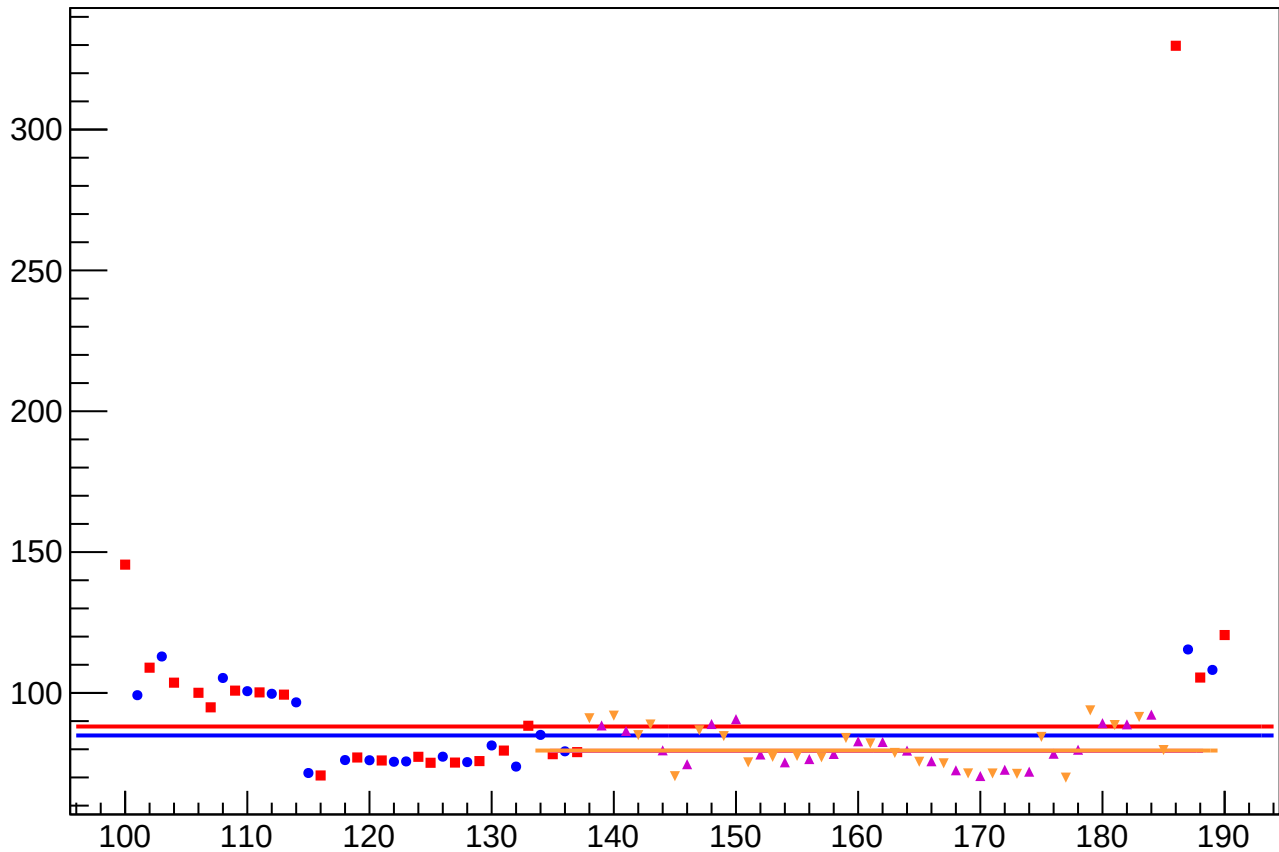
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 36.219 $\pm$ 16.090 χ^2 /NDF: 77.5/43

All: 1.128 $\pm$ 11.423 χ^2 /NDF: 139.2/88

- sign -34.538 $\pm$ 16.221 χ^2 /NDF: 52.1/44

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 84.903 ± 0.023 χ^2/NDF : 317533.3/18

Left Out: 79.551 ± 0.013 χ^2/NDF : 309075.2/24

Right Out: 88.085 ± 0.022 χ^2/NDF : 789676.5/21

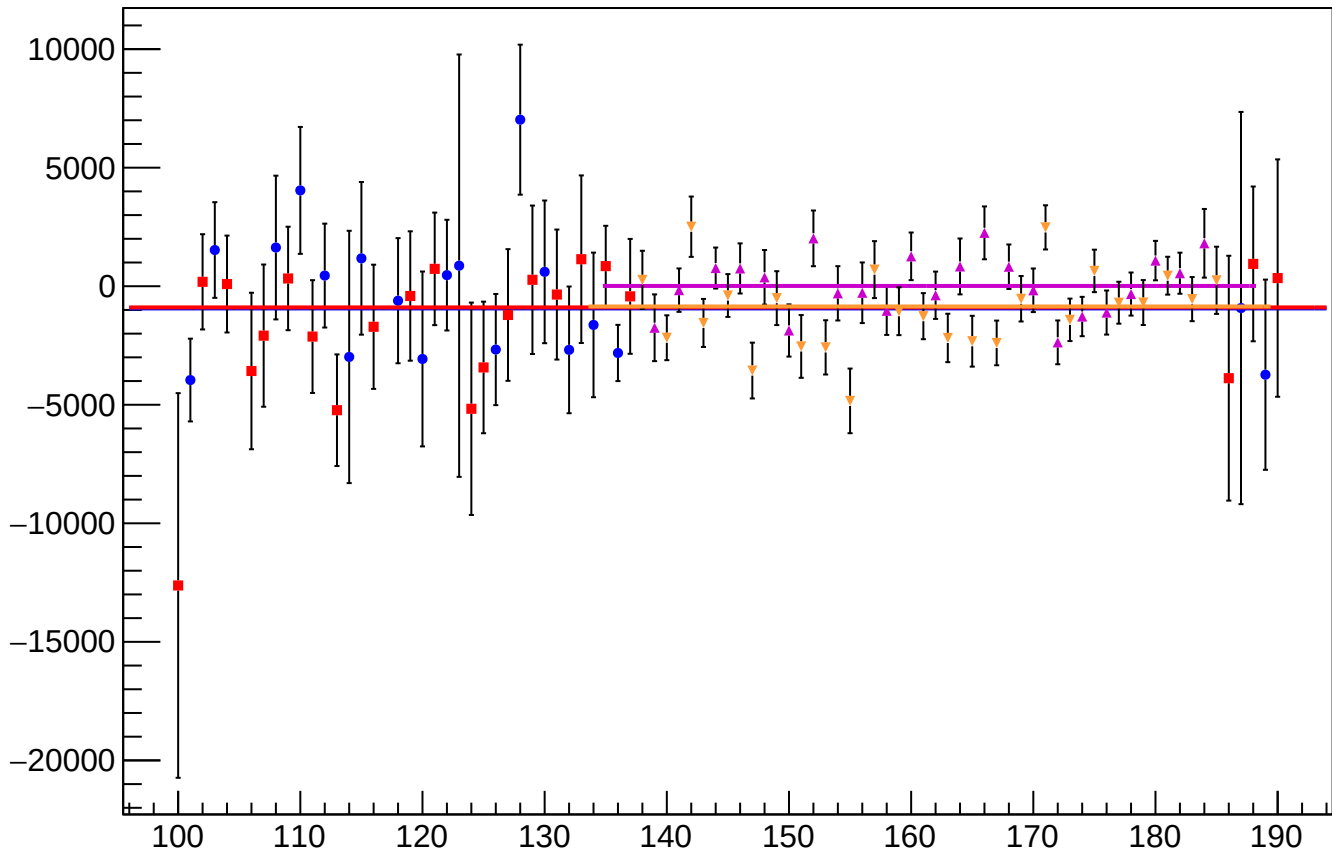
Left In: 79.436 ± 0.013 χ^2/NDF : 212440.1/22

+ sign 80.902 ± 0.011 χ^2/NDF : 668376.6/43

All: 81.368 ± 0.008 χ^2/NDF : 1788014.9/88

- sign 81.841 ± 0.011 χ^2/NDF : 1116258.9/44

asym_sam_24_68_dd_correction_mean vs Slug



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: -893.984+/-573.326 χ^2/NDF : 12.1/21

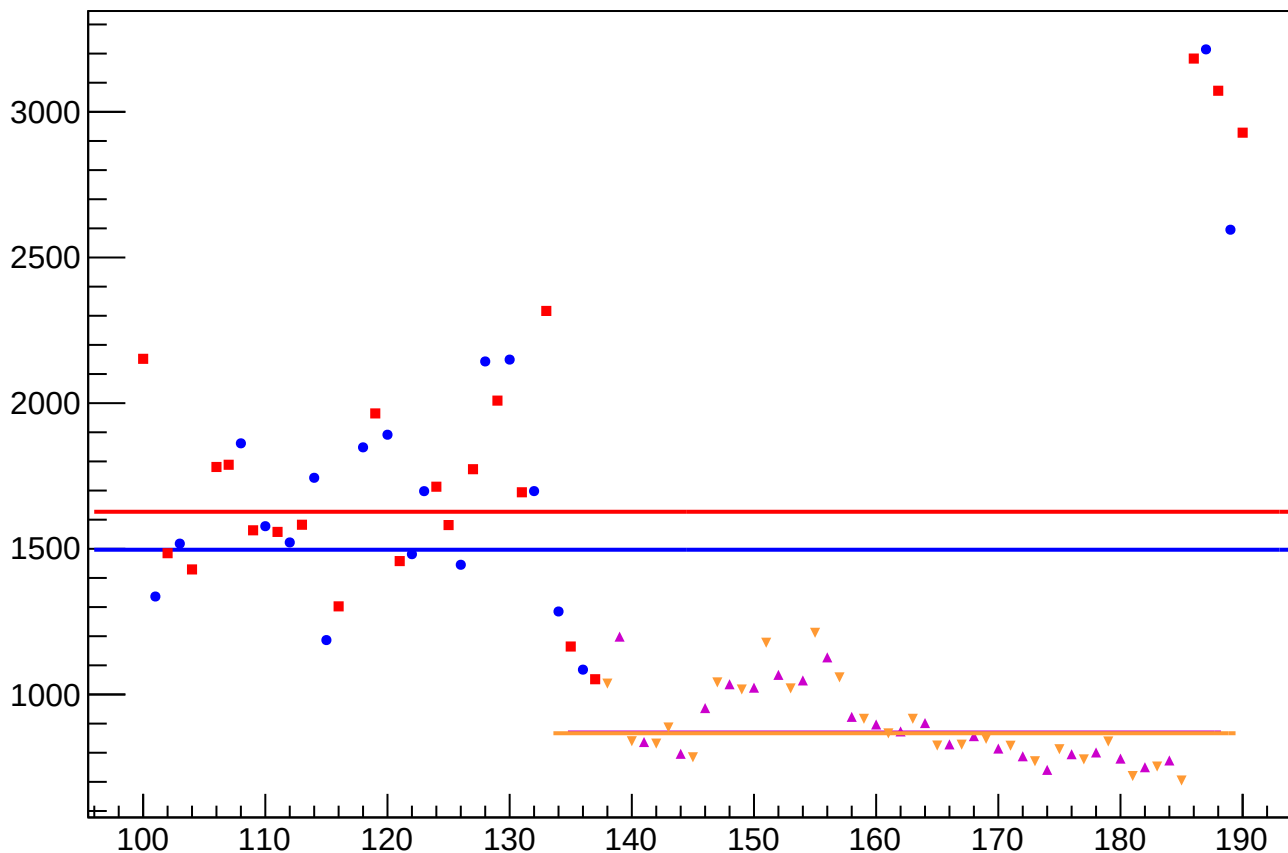
Left In: 11.687+/-210.073 χ^2/NDF : 31.2/22

+ sign -863.347+/-192.408 χ^2/NDF : 77.0/43

All: -488.968+/-137.733 χ^2/NDF : 130.3/88

- sign -95.513+/-197.249 χ^2/NDF : 45.5/44

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1496.826 ± 0.408 $\chi^2/\text{NDF}: 807553.3/18$

Left Out: 866.893 ± 0.144 $\chi^2/\text{NDF}: 661712.5/24$

Right Out: 1627.195 ± 0.405 $\chi^2/\text{NDF}: 1206302.7/21$

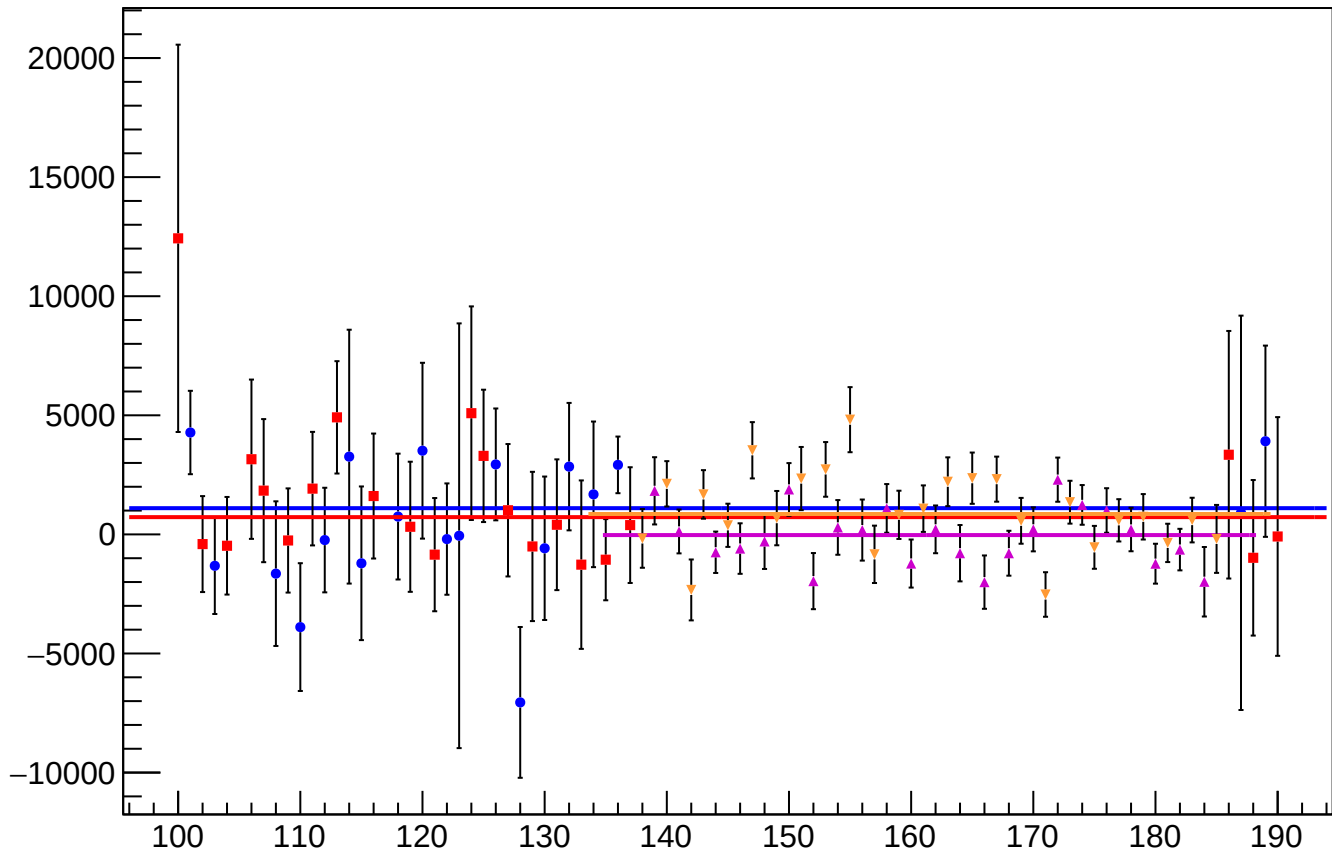
Left In: 869.569 ± 0.149 $\chi^2/\text{NDF}: 582301.2/22$

+ sign 936.944 ± 0.136 $\chi^2/\text{NDF}: 3588065.6/43$

All: 947.818 ± 0.097 $\chi^2/\text{NDF}: 8468874.5/88$

- sign 959.246 ± 0.139 $\chi^2/\text{NDF}: 4867707.4/44$

asym_sam_24_68_dd_mean vs Slug



Right In: 1101.324+/-578.166 χ^2/NDF : 21.7/18

Left Out: 855.664+/-205.047 χ^2/NDF : 54.1/24

Right Out: 724.658+/-574.601 χ^2/NDF : 11.6/21

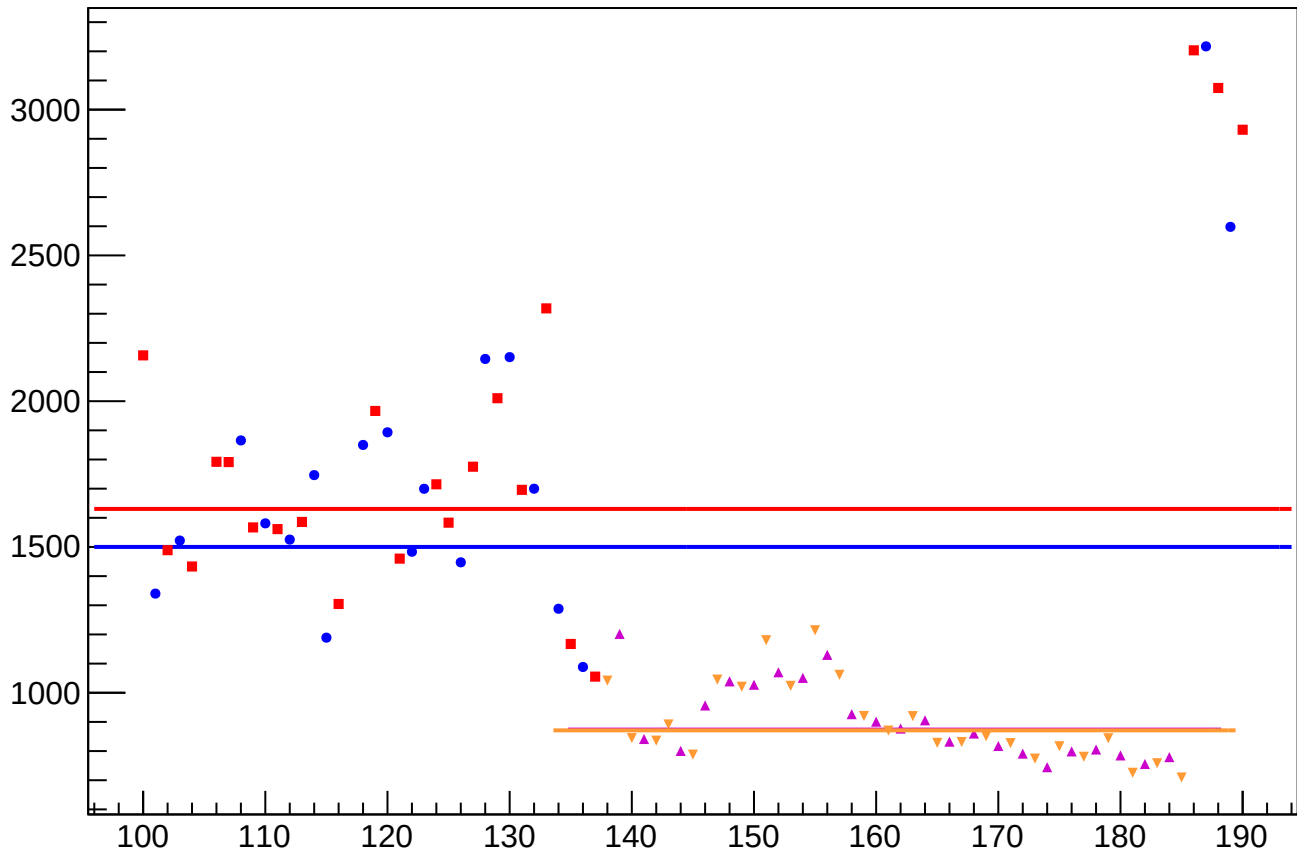
Left In: -28.553+/-211.034 χ^2/NDF : 29.7/22

+ sign 883.110+/-193.253 χ^2/NDF : 75.9/43

All: 482.212+/-138.331 χ^2/NDF : 127.5/88

- sign 60.970+/-198.096 χ^2/NDF : 42.8/44

asym_sam_24_68_dd_rms vs Slug



Right In: 1500.153 ± 0.409 $\chi^2/\text{NDF}: 803393.4/18$

Left Out: 871.109 ± 0.145 $\chi^2/\text{NDF}: 651751.1/24$

Right Out: 1630.523 ± 0.406 $\chi^2/\text{NDF}: 1204382.6/21$

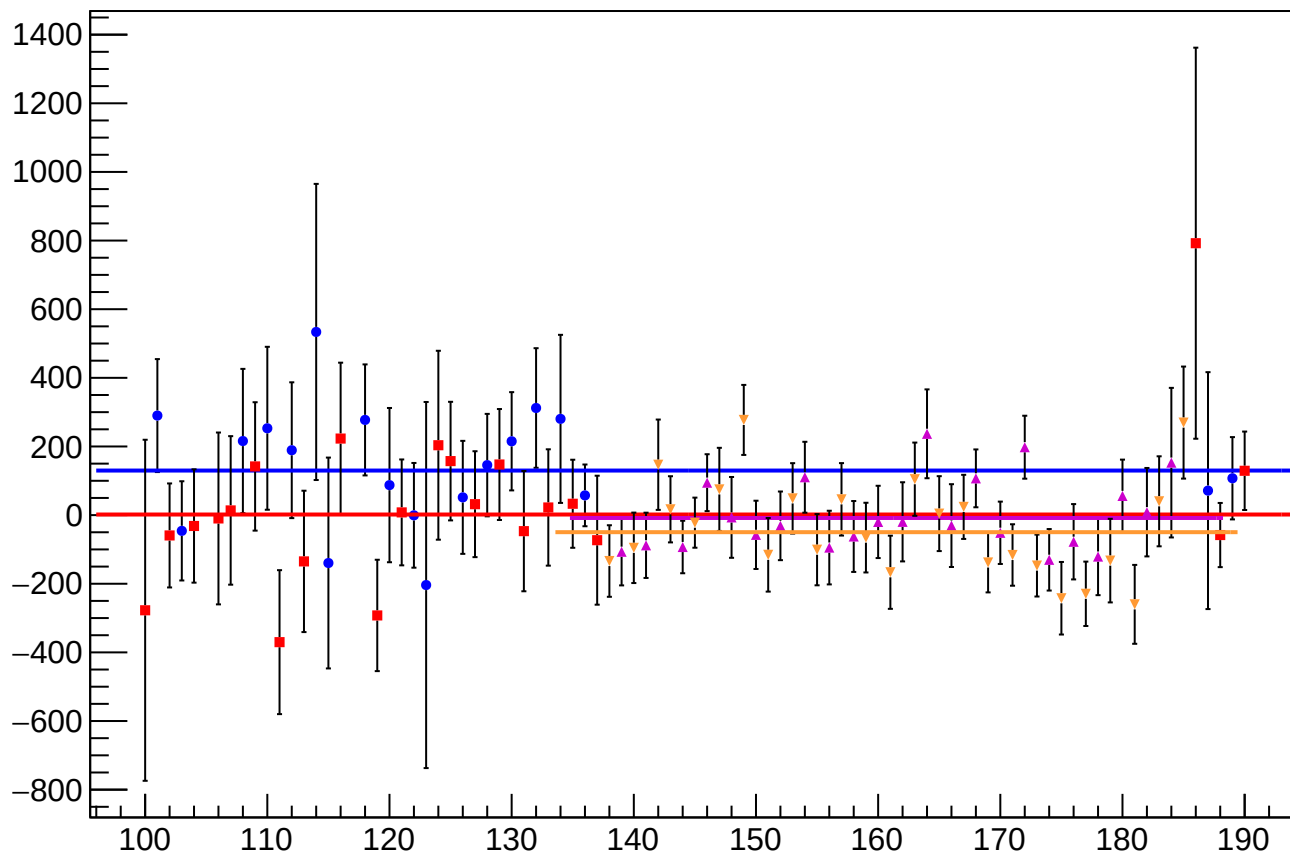
Left In: 873.675 ± 0.149 $\chi^2/\text{NDF}: 573822.5/22$

+ sign 941.389 ± 0.137 $\chi^2/\text{NDF}: 3558124.4/43$

All: 952.234 ± 0.098 $\chi^2/\text{NDF}: 8406709.9/88$

- sign 963.630 ± 0.140 $\chi^2/\text{NDF}: 4835667.5/44$

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 129.838 $\pm$ 39.136 χ^2 /NDF: 9.4/18

Left Out: -49.717 $\pm$ 20.580 χ^2 /NDF:39.4/24

Right Out: 1.731 $\pm$ 35.937 χ^2 /NDF: 15.0/21

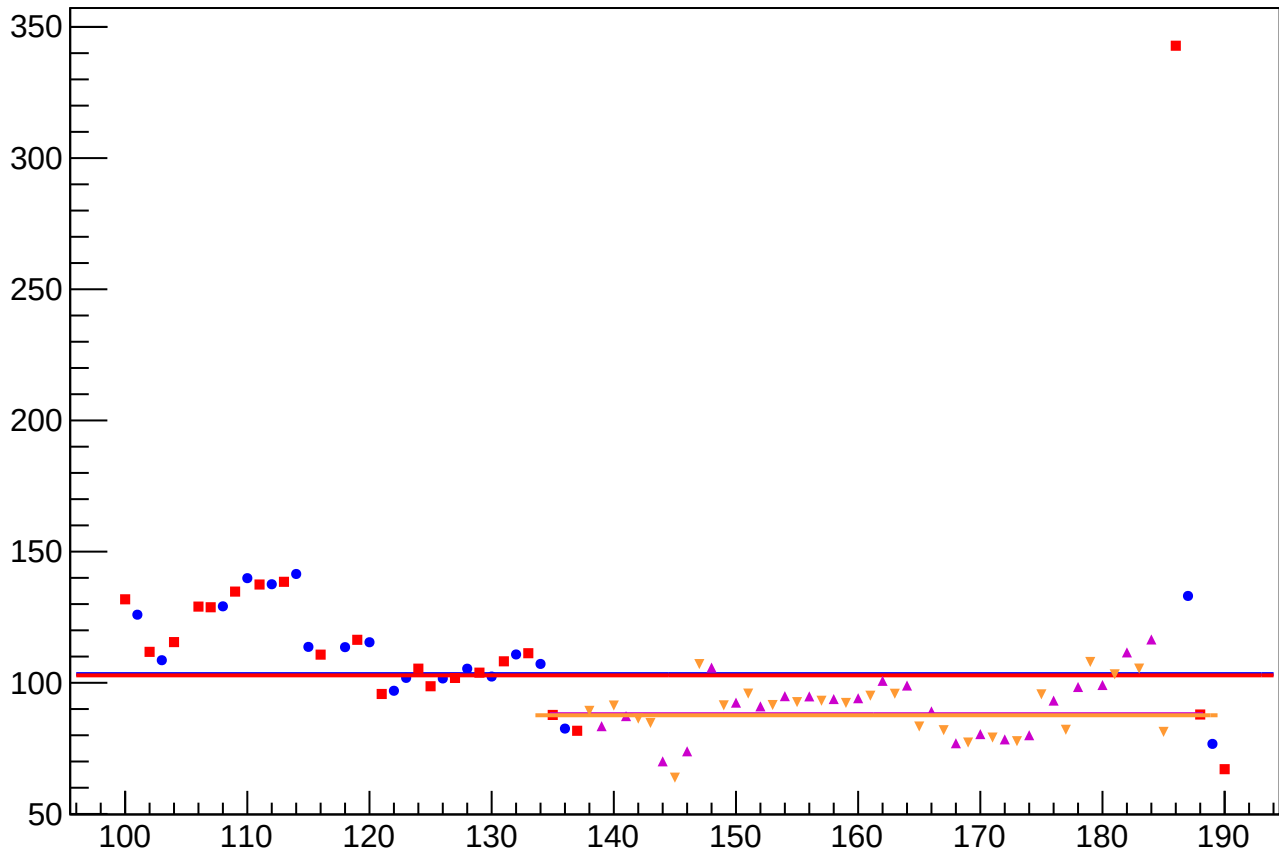
Left In: -8.343 $\pm$ 21.271 χ^2 /NDF:22.0/22

+ sign -10.821 $\pm$ 18.215 χ^2 /NDF: 65.3/43

All: -8.287 $\pm$ 12.912 χ^2 /NDF: 102.4/88

- sign -5.729 $\pm$ 18.305 χ^2 /NDF: 37.1/44

reg_asym_sam_26_48_dd_rms vs Slug



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: 102.839 ± 0.025 χ^2/NDF : 932634.8/21

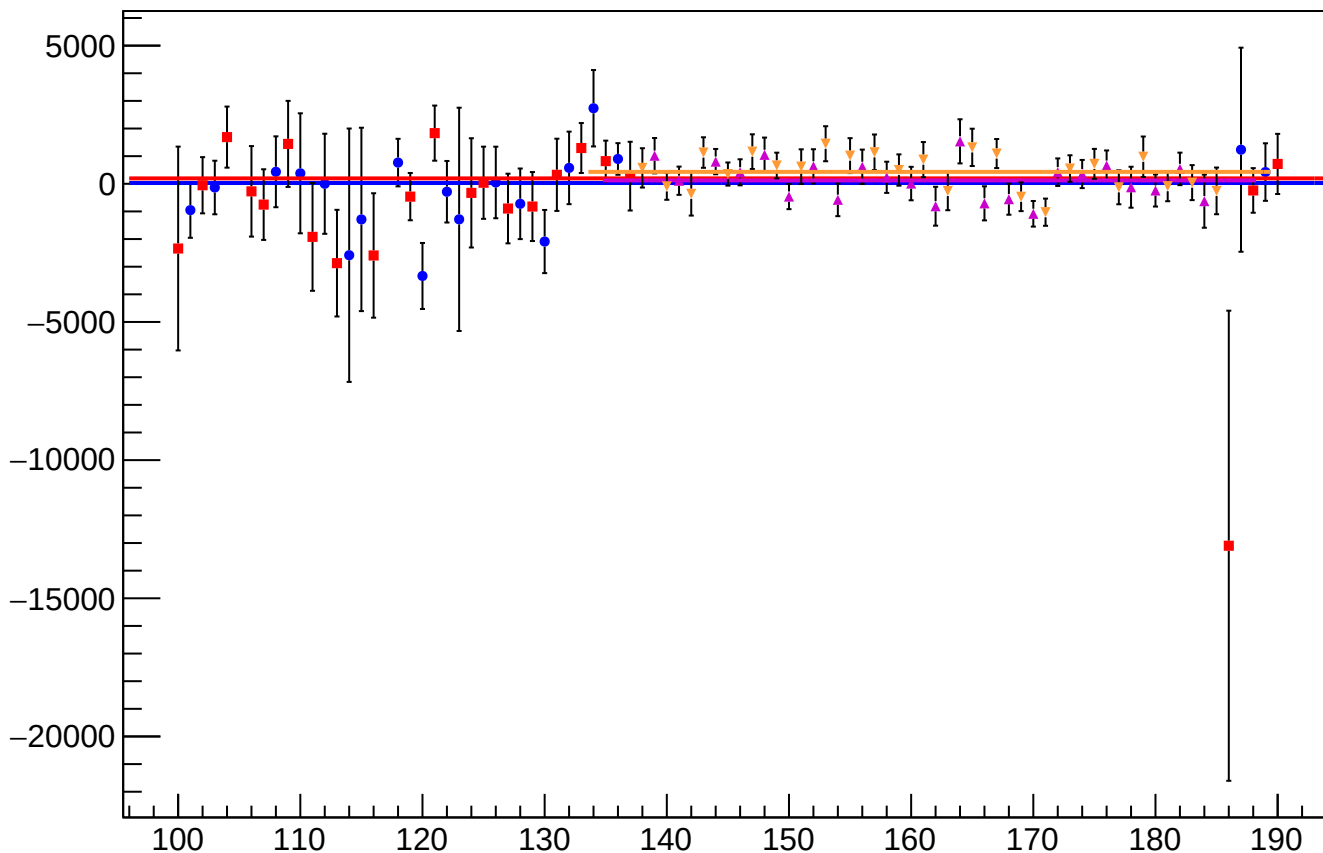
Left In: 88.032 ± 0.015 χ^2/NDF : 523710.9/22

+ sign 91.023 ± 0.013 χ^2/NDF : 1244676.2/43

All: 91.447 ± 0.009 χ^2/NDF : 2954643.7/88

- sign 91.874 ± 0.013 χ^2/NDF : 1707797.4/44

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 28.416 ± 273.469 χ^2/NDF : 20.8/18

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 195.581 ± 257.056 χ^2/NDF : 18.8/21

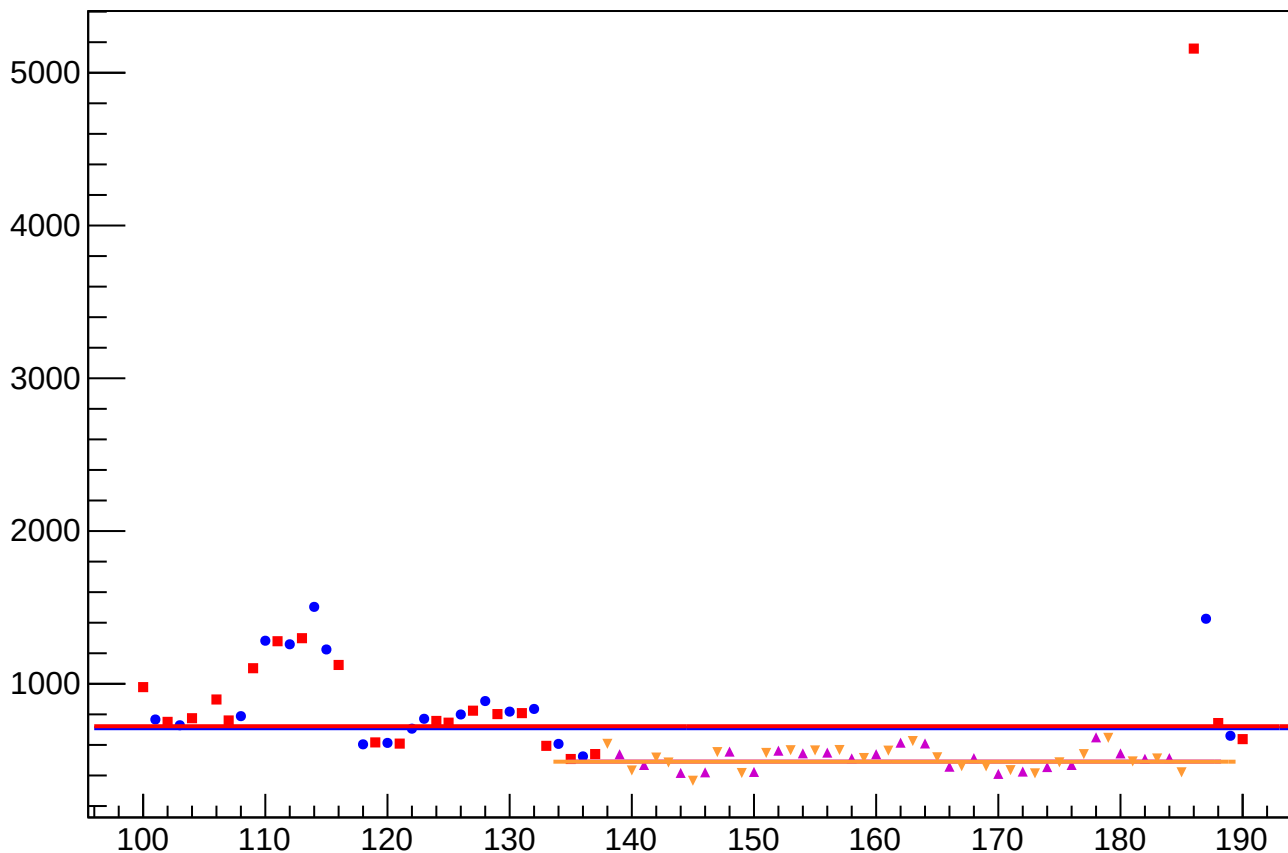
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 370.432 ± 106.560 χ^2/NDF : 53.1/43

All: 254.555 ± 75.811 χ^2/NDF : 103.6/88

- sign 135.797 ± 107.877 χ^2/NDF : 48.1/44

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 709.368 $\pm$ 0.193 χ^2 /NDF: 873342.4/18

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

+ sign 523.534 $\pm$ 0.075 χ^2 /NDF: 2712505.3/43

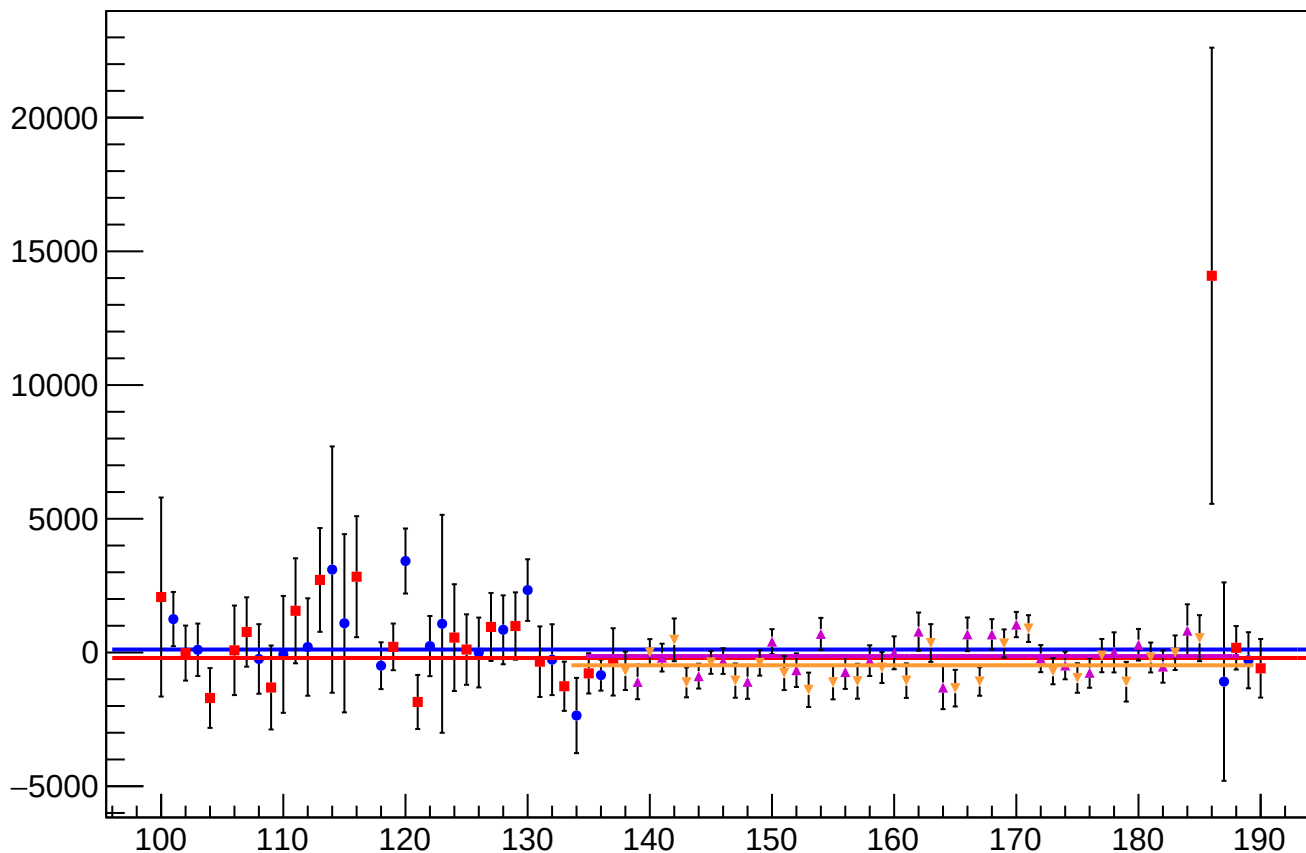
Right Out: 722.409 $\pm$ 0.182 χ^2 /NDF: 1459166.8/21

All: 527.557 $\pm$ 0.054 χ^2 /NDF: 6103096.5/88

- sign 531.681 $\pm$ 0.076 χ^2 /NDF: 3384818.1/44

Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

asym_sam_26_48_dd_mean vs Slug



Right In: 111.640 ± 276.712 χ^2/NDF : 20.0/18

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -205.022 ± 260.136 χ^2/NDF : 18.0/21

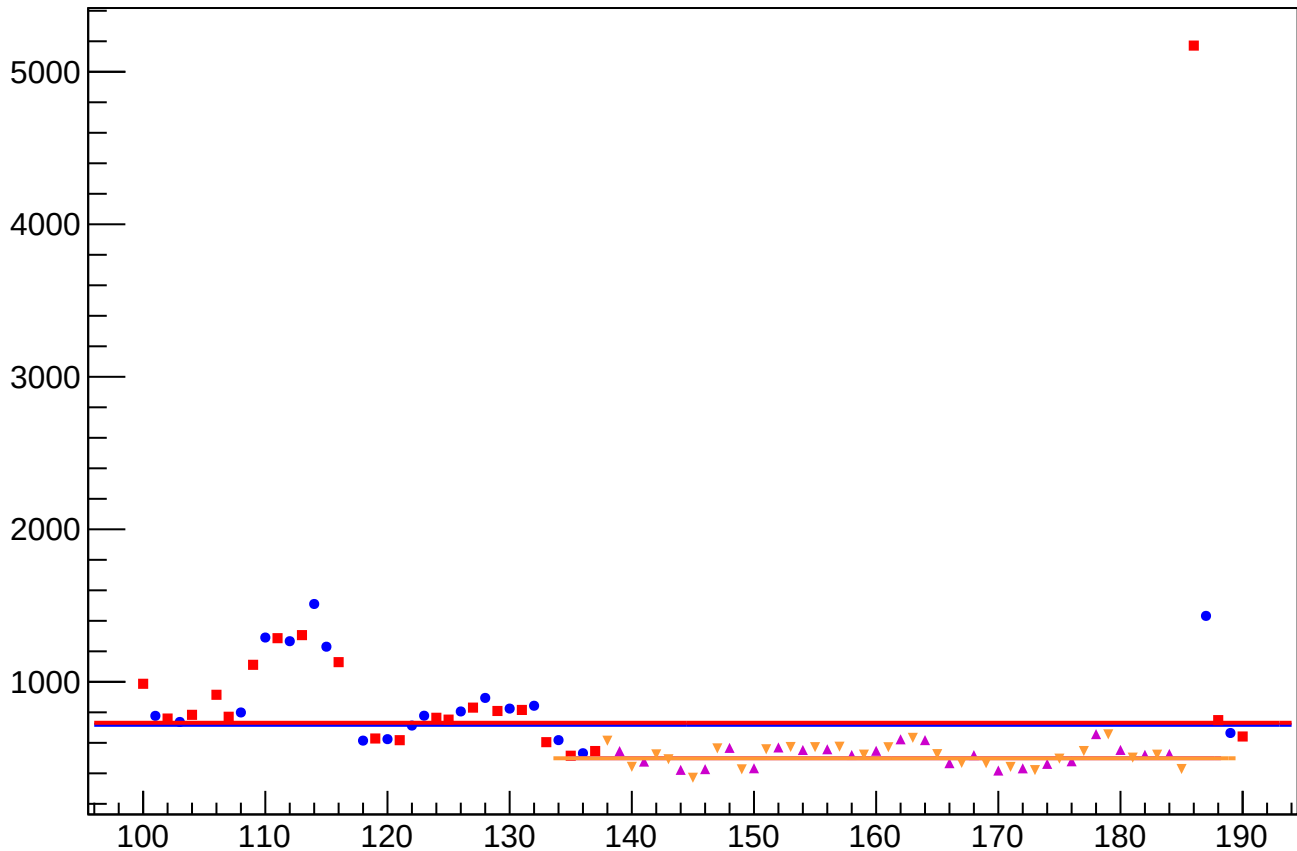
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -387.884 ± 108.277 χ^2/NDF : 51.6/43

All: -268.133 ± 77.031 χ^2/NDF : 101.8/88

- sign -145.412 ± 109.612 χ^2/NDF : 47.7/44

asym_sam_26_48_dd_rms vs Slug



Right In: 718.269 $\pm$ 0.196 χ^2 /NDF: 857833.8/18

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 731.545 $\pm$ 0.184 χ^2 /NDF: 1440237.4/21

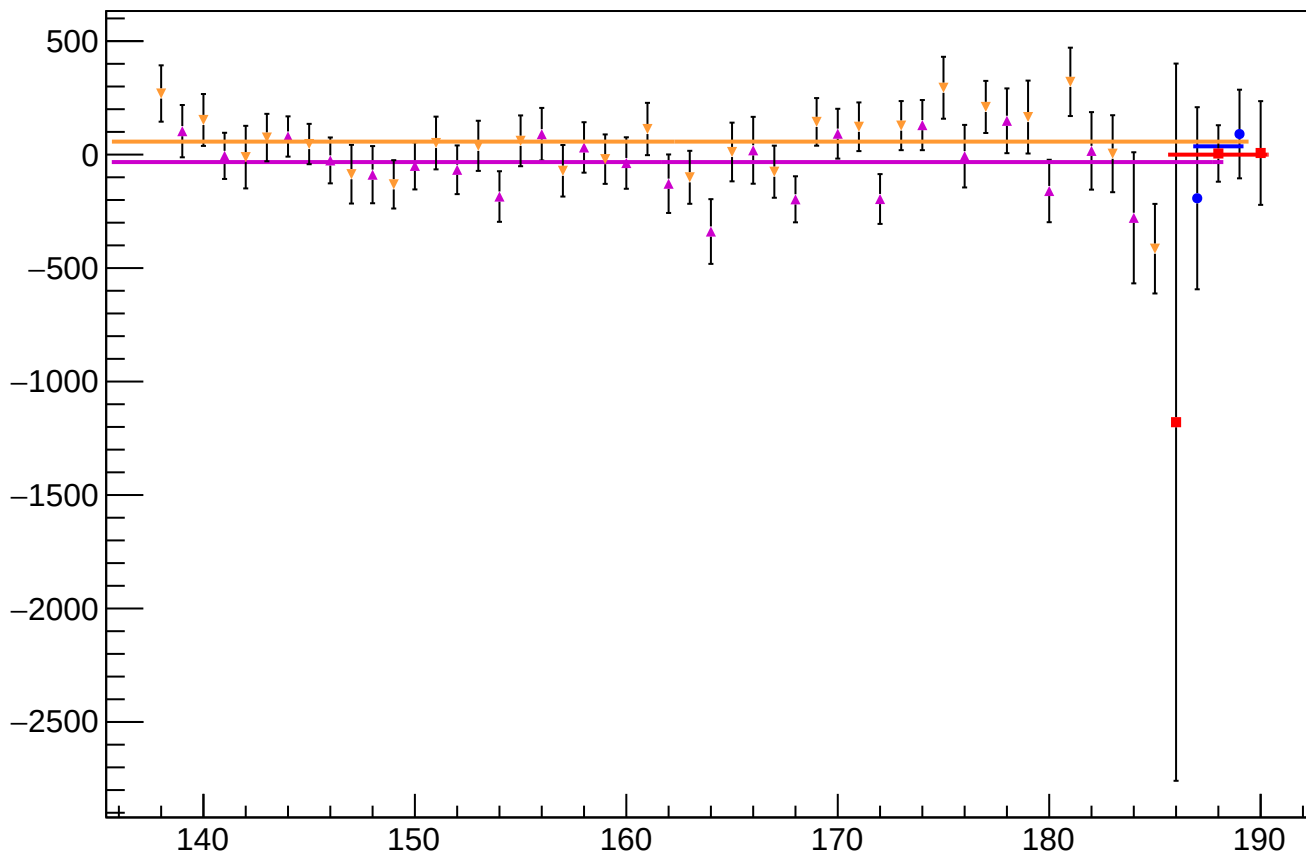
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 532.365 $\pm$ 0.077 χ^2 /NDF: 2658057.0/43

All: 536.438 $\pm$ 0.054 χ^2 /NDF: 5990599.6/88

- sign 540.611 $\pm$ 0.078 χ^2 /NDF: 3326814.0/44

reg_asym_sam_1548_avg_mean vs Slug



Right In: 36.446+/-175.597 χ^2/NDF : 0.4/1

Left Out: 57.211+/-23.714 χ^2/NDF :29.2/24

Right Out: -0.196+/-109.022 χ^2/NDF : 0.6/2

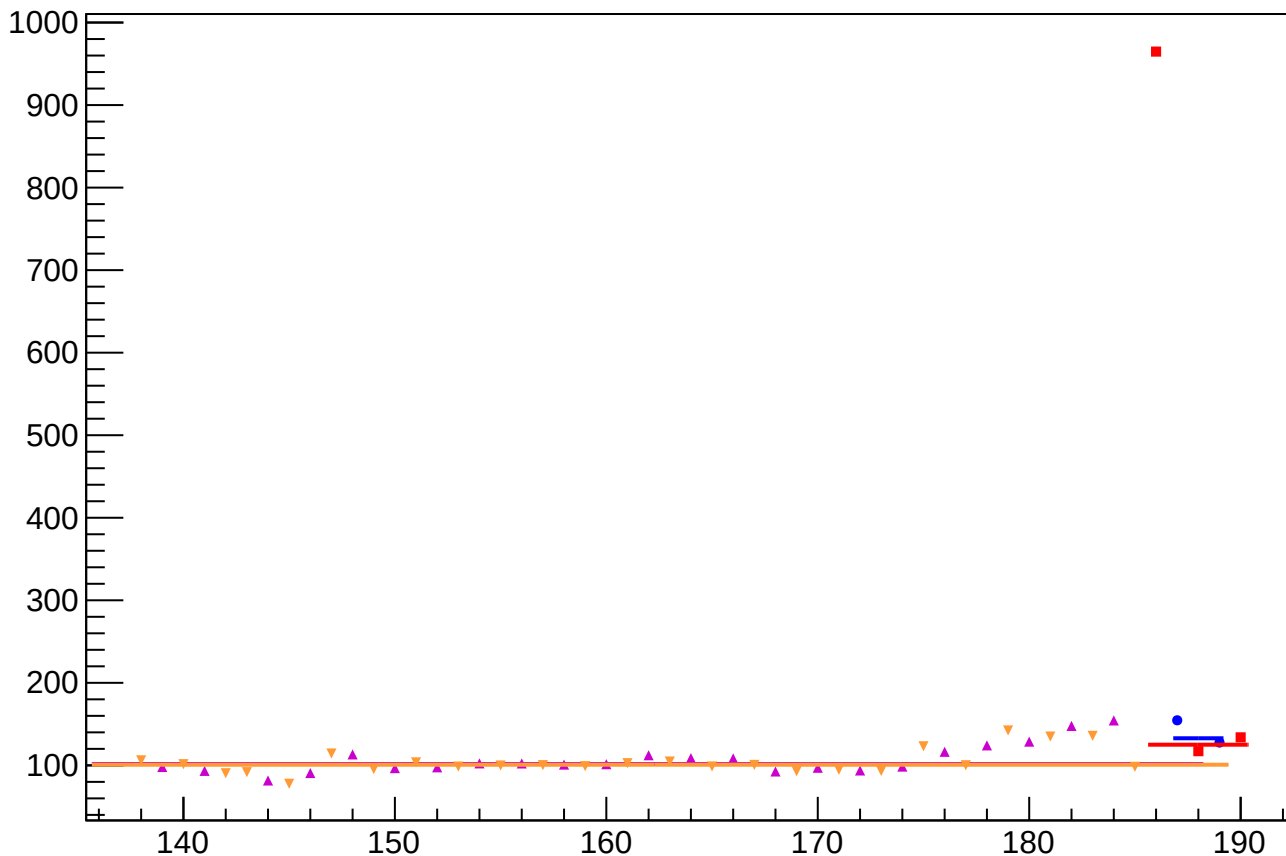
Left In: -32.948+/-24.587 χ^2/NDF :23.6/22

+ sign 56.839+/-23.500 χ^2/NDF : 29.6/26

All: 13.638+/-16.786 χ^2/NDF : 60.8/52

- sign -31.363+/-23.985 χ^2/NDF : 24.3/25

reg_asym_sam_1548_avg_rms vs Slug



Right In: 132.832 $\pm$ 0.124 χ^2 /NDF: 7297.0/1

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 125.043 $\pm$ 0.077 χ^2 /NDF: 575862.2/2

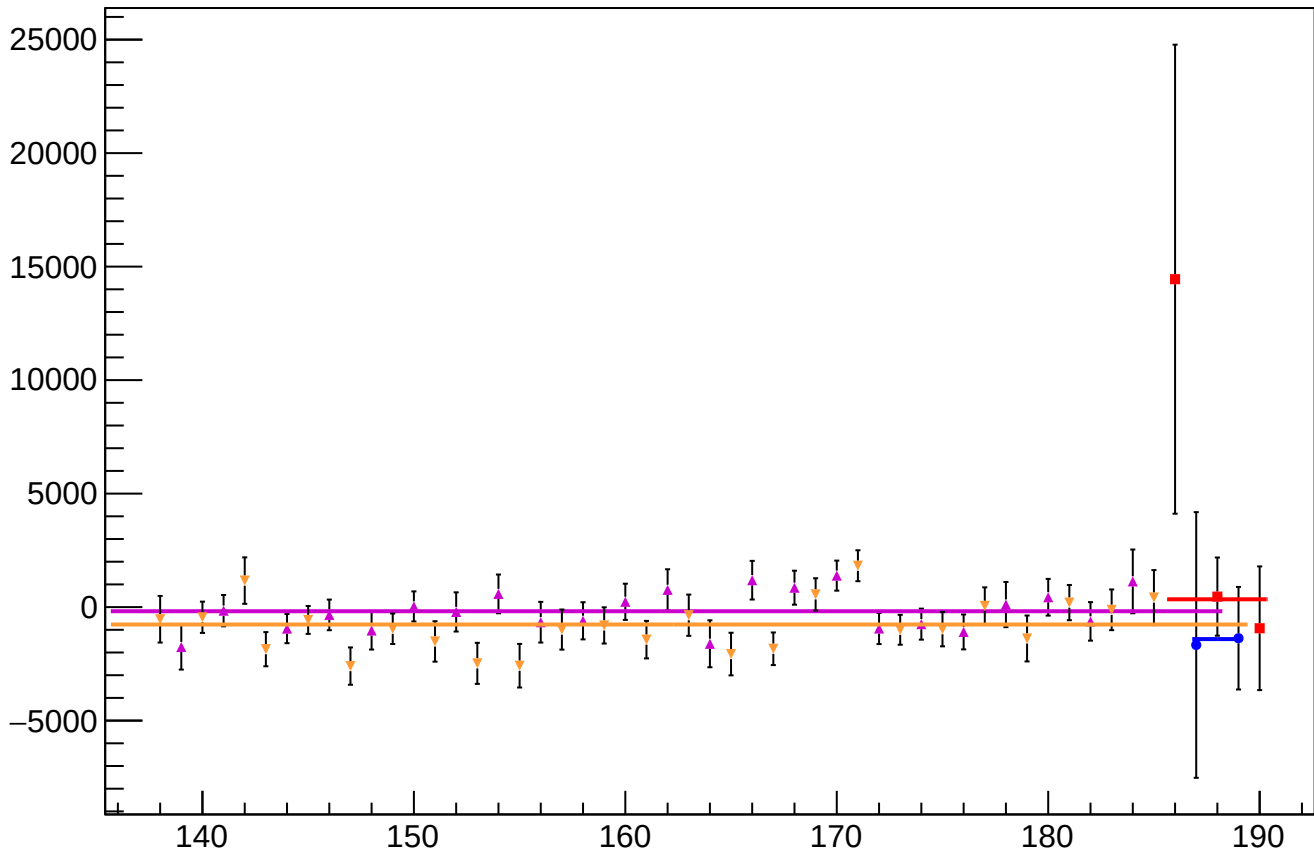
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 101.374 $\pm$ 0.017 χ^2 /NDF: 673158.1/26

All: 102.051 $\pm$ 0.012 χ^2 /NDF: 1922565.9/52

- sign 102.755 $\pm$ 0.017 χ^2 /NDF: 1246024.6/25

asym_sam_1548_avg_correction_mean vs Slug



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: 344.623 ± 1441.708 χ^2/NDF : 2.1/2

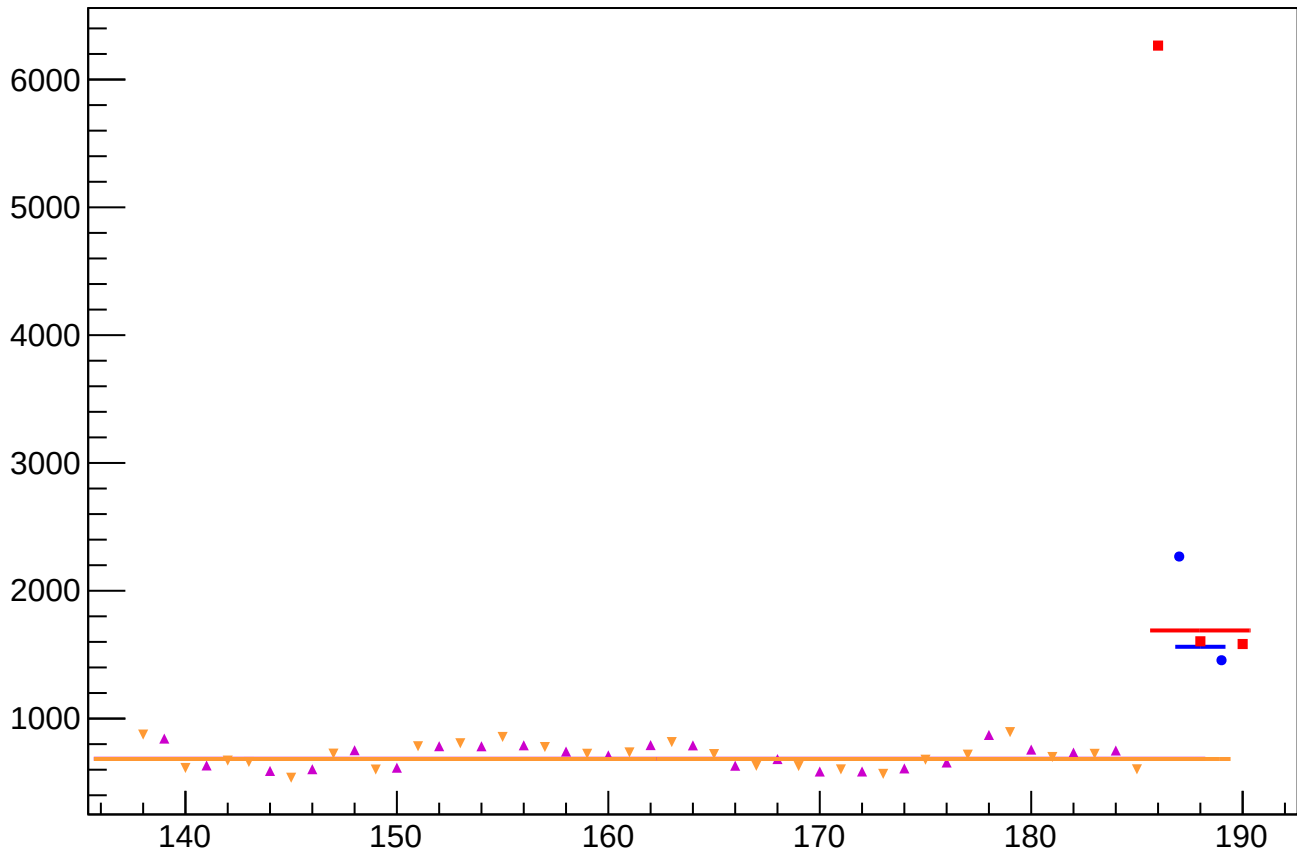
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -770.086 ± 160.598 χ^2/NDF : 46.6/26

All: -479.709 ± 114.945 χ^2/NDF : 80.6/52

- sign -174.726 ± 164.588 χ^2/NDF : 27.2/25

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1561.751 $\pm$ 1.490 χ^2/NDF : 33460.3/1

Left Out: 683.884 $\pm$ 0.114 χ^2/NDF : 667158.2/24

Right Out: 1689.469 $\pm$ 1.019 χ^2/NDF : 400214.6/2

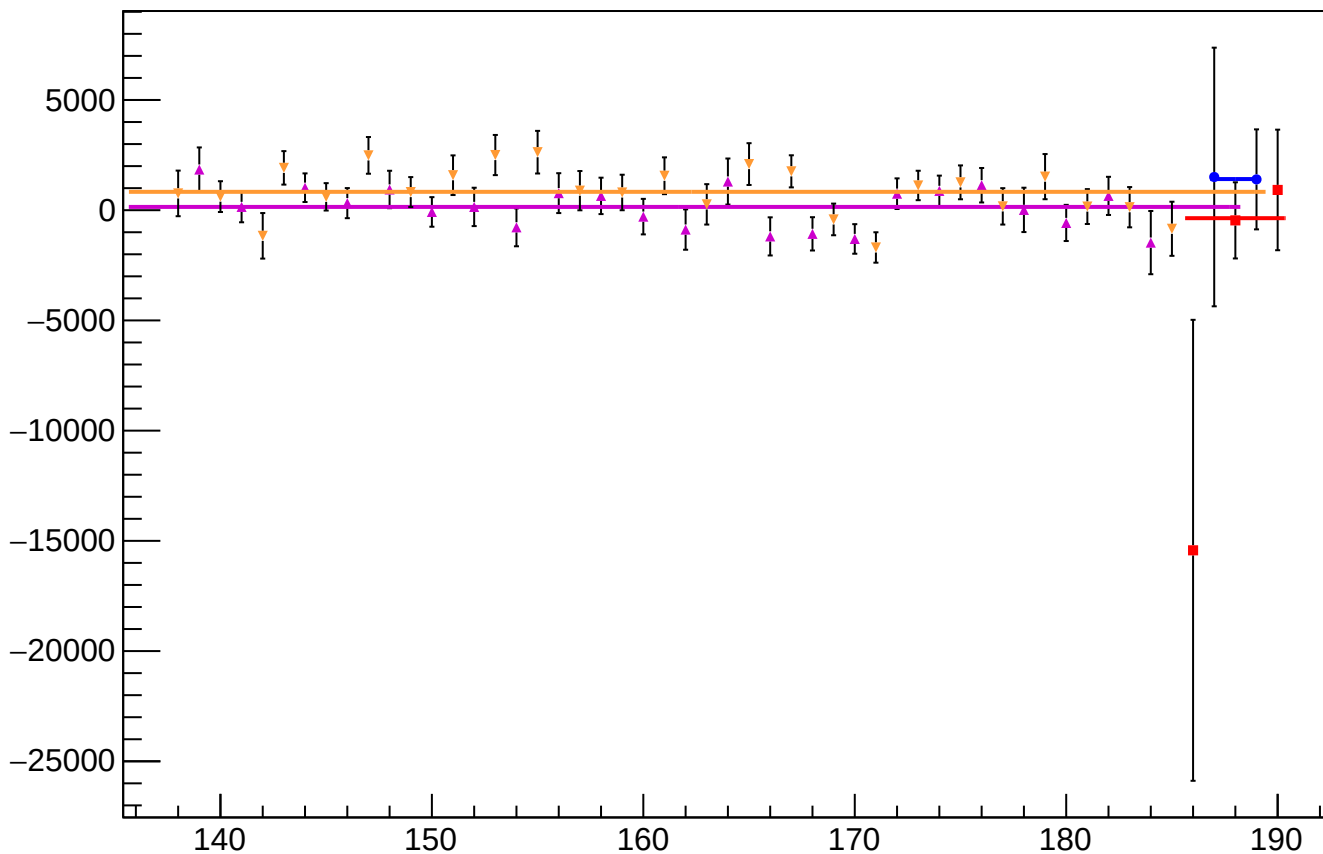
Left In: 685.593 $\pm$ 0.117 χ^2/NDF : 529353.6/22

+ sign 688.982 $\pm$ 0.114 χ^2/NDF : 1045589.6/26

All: 693.710 $\pm$ 0.081 χ^2/NDF : 2935770.3/52

- sign 698.676 $\pm$ 0.116 χ^2/NDF : 1886626.2/25

asym_sam_1548_avg_mean vs Slug



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: -362.042 ± 1446.513 χ^2/NDF : 2.3/2

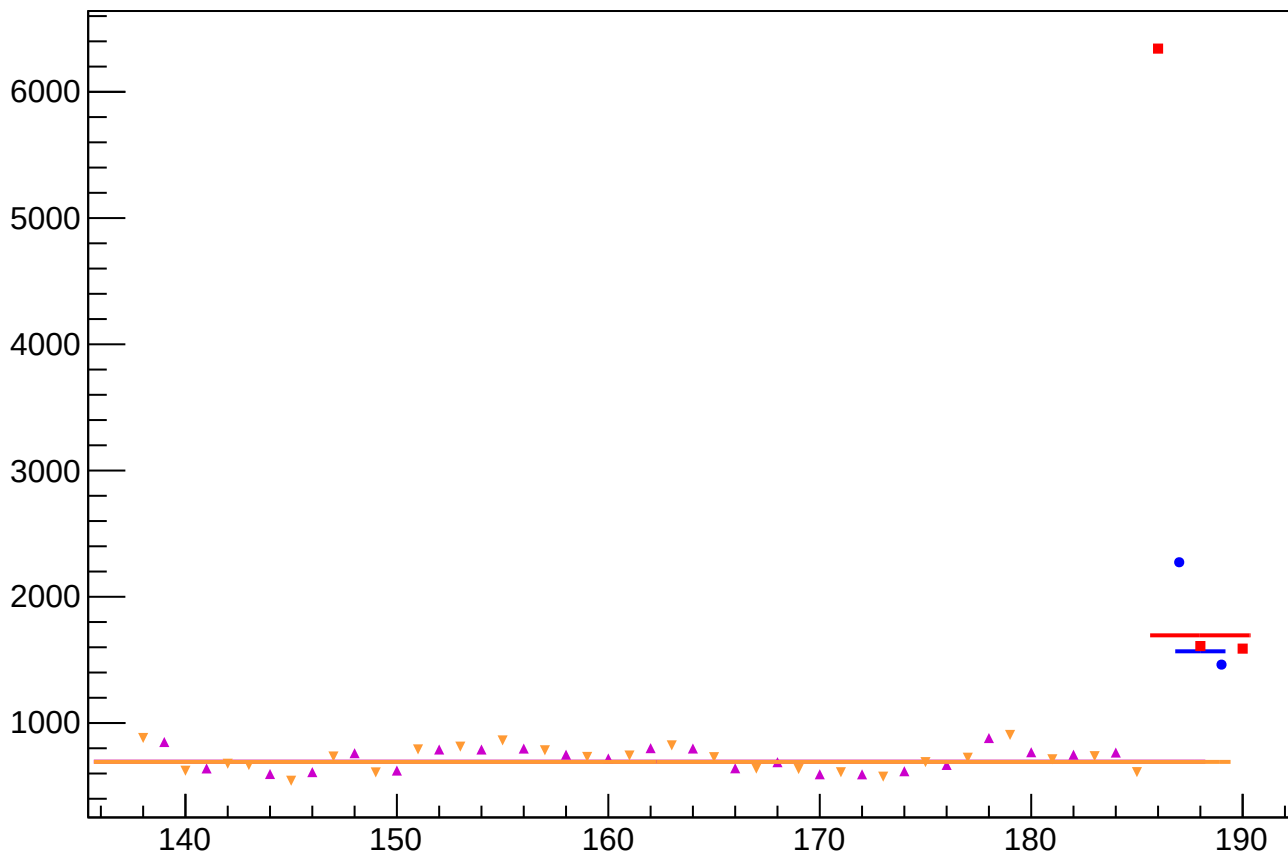
Left In: 148.814 ± 167.644 χ^2/NDF : 26.0/22

+ sign 836.810 ± 162.484 χ^2/NDF : 43.3/26

All: 497.969 ± 116.297 χ^2/NDF : 80.7/52

- sign 142.043 ± 166.529 χ^2/NDF : 28.4/25

asym_sam_1548_avg_rms vs Slug



Right In: 1568.075+/-1.496 χ^2/NDF : 33242.5/1

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1694.584+/-1.023 χ^2/NDF : 403011.9/2

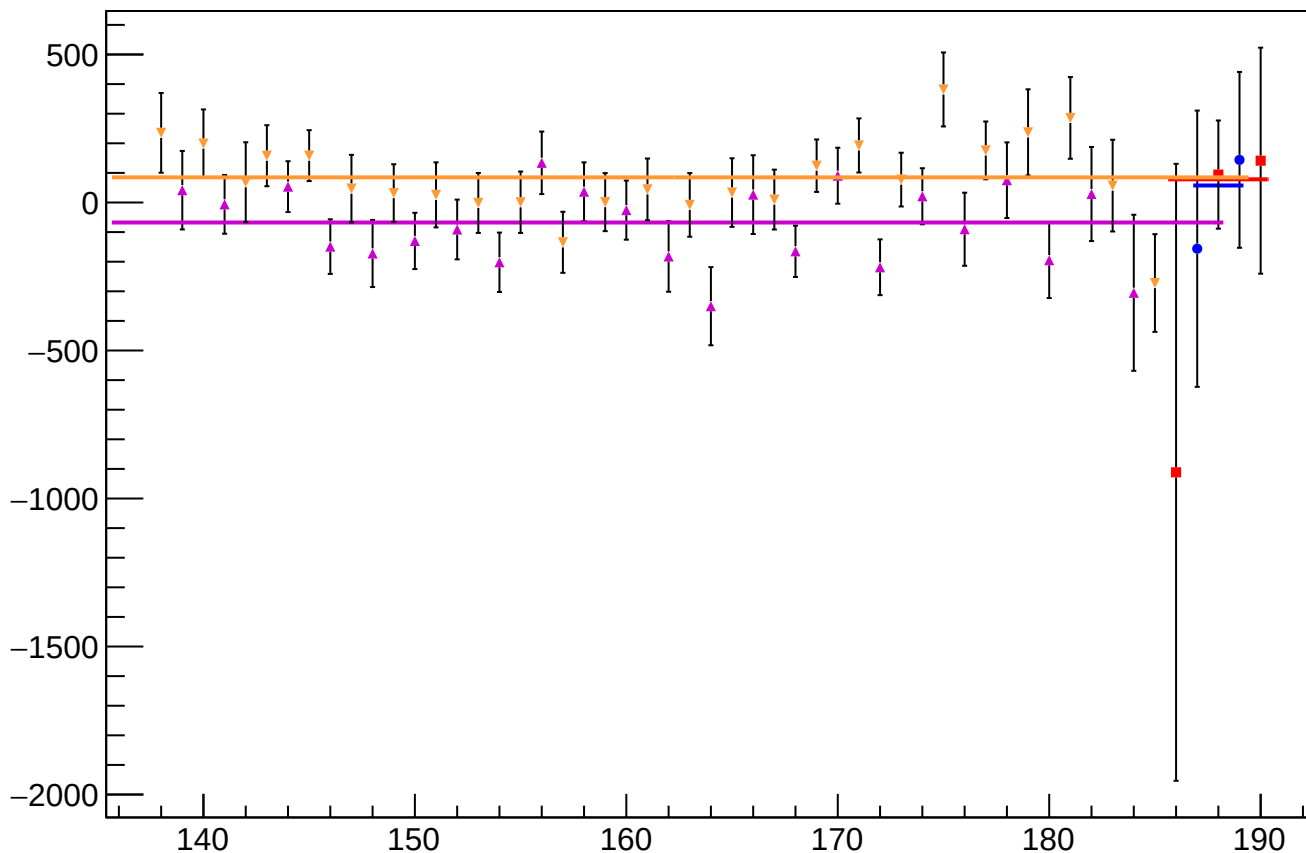
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 697.263+/-0.115 χ^2/NDF : 1031335.0/26

All: 702.075+/-0.082 χ^2/NDF : 2904521.4/52

- sign 707.130+/-0.118 χ^2/NDF : 1869589.5/25

reg_asym_sam_3748_avg_mean vs Slug



Right In: 57.476 ± 250.583 χ^2/NDF : 0.3/1

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 78.313 ± 162.820 χ^2/NDF : 0.9/2

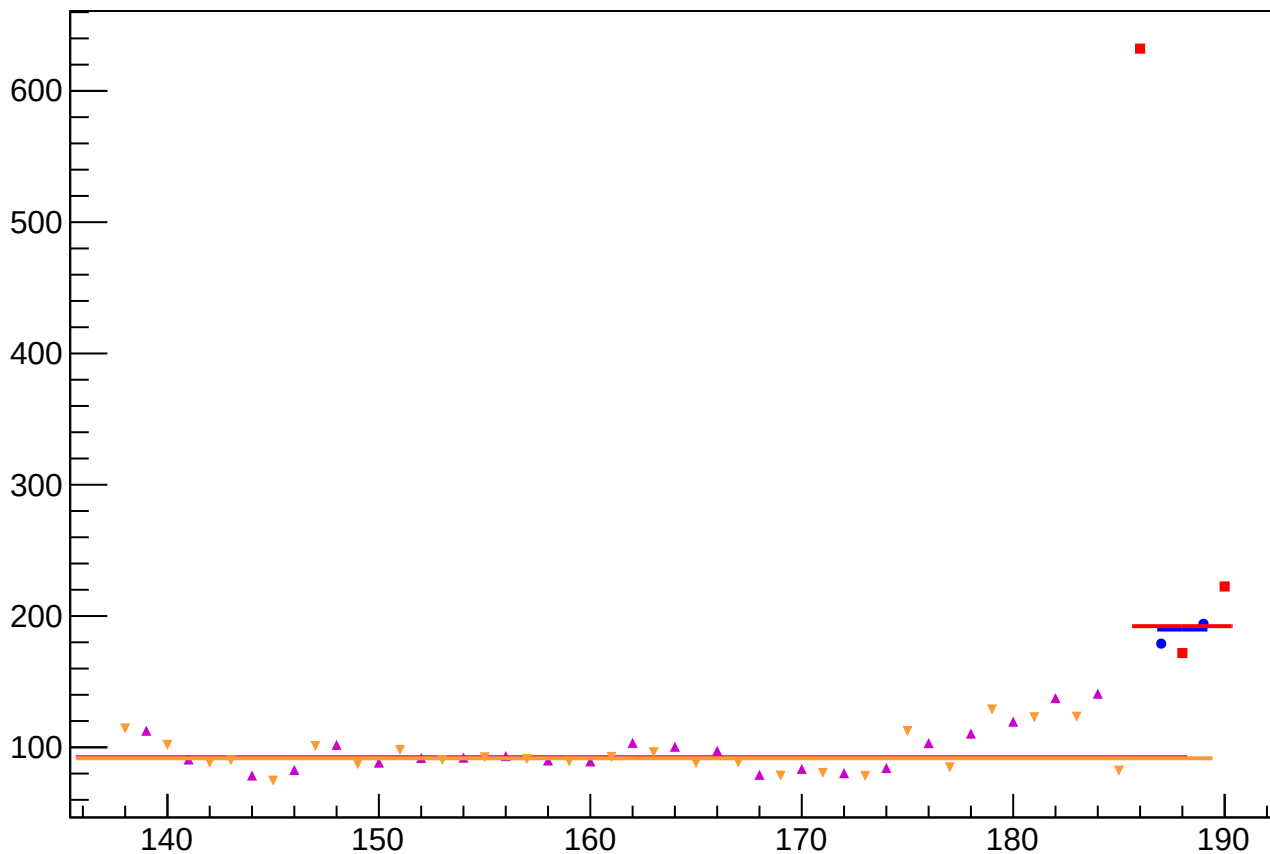
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 84.657 ± 21.563 χ^2/NDF : 28.8/26

All: 12.220 ± 15.481 χ^2/NDF : 82.7/52

- sign -64.831 ± 22.239 χ^2/NDF : 30.6/25

reg_asym_sam_3748_avg_rms vs Slug



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: 192.262 $\pm$ 0.115 χ^2 /NDF: 394052.6/2

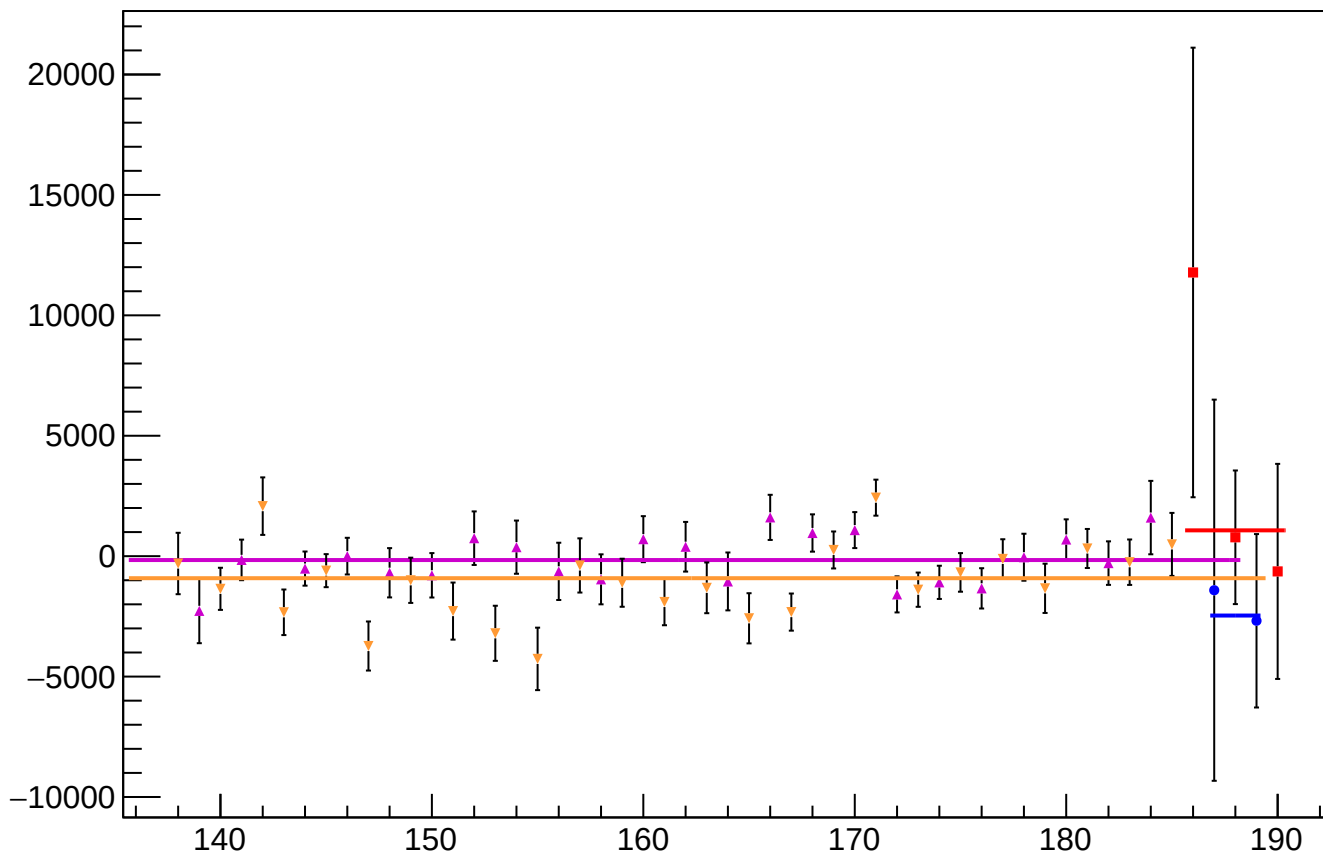
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 92.359 $\pm$ 0.015 χ^2 /NDF: 998849.2/26

All: 93.313 $\pm$ 0.011 χ^2 /NDF: 2794010.7/52

- sign 94.328 $\pm$ 0.016 χ^2 /NDF: 1787083.7/25

asym_sam_3748_avg_correction_mean vs Slug



Right In: -2465.447 ± 3277.219 χ^2/NDF : 0.0/1

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: 1071.717 ± 2284.717 χ^2/NDF : 1.5/2

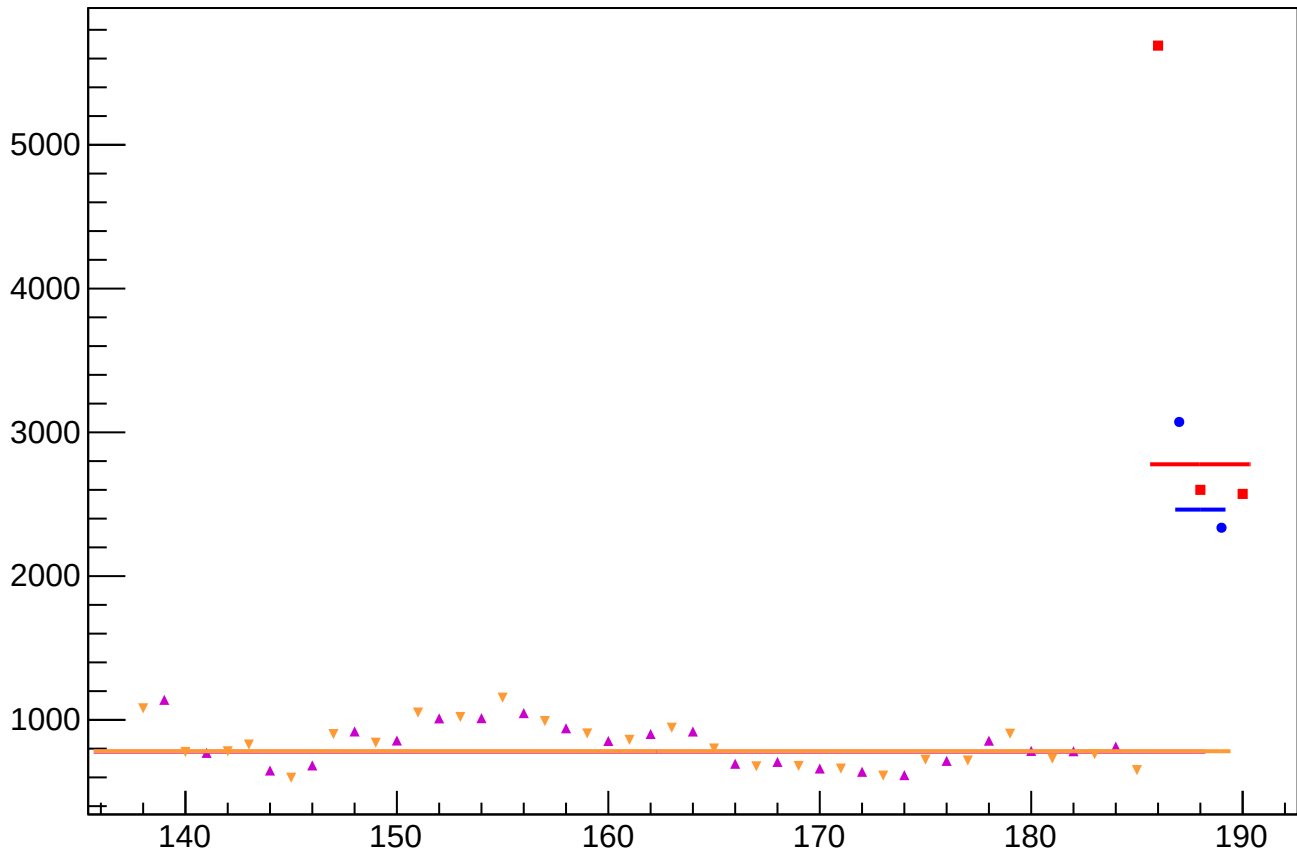
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -919.663 ± 185.045 χ^2/NDF : 64.4/26

All: -543.948 ± 132.169 χ^2/NDF : 99.7/52

- sign -152.654 ± 188.842 χ^2/NDF : 26.8/25

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2462.759 $\pm$ 2.317 χ^2/NDF : 14329.0/1

Left Out: 782.042 $\pm$ 0.131 χ^2/NDF :1130984.3/24

Right Out: 2777.911 $\pm$ 1.616 χ^2/NDF : 207136.3/2

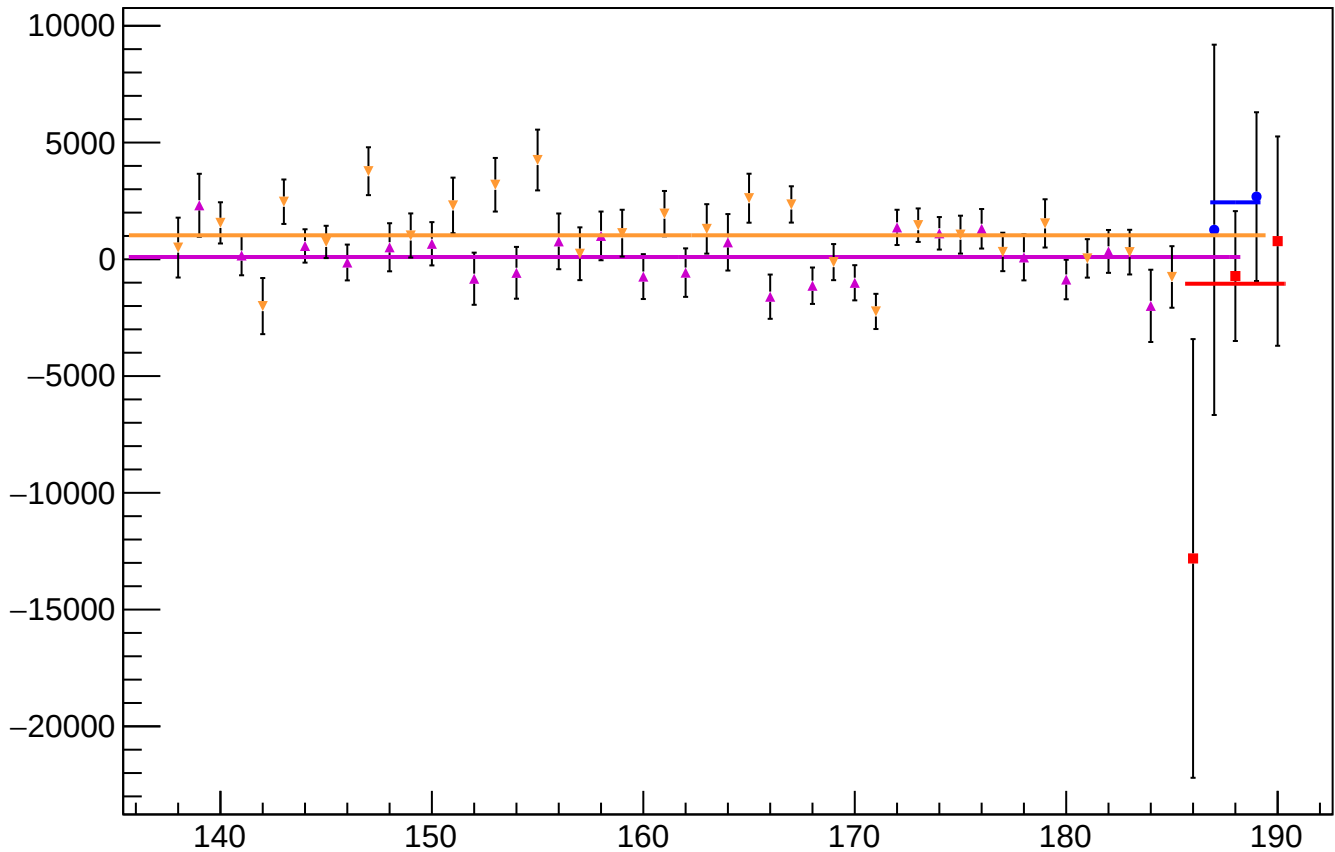
Left In: 778.995 $\pm$ 0.134 χ^2/NDF :980243.4/22

+ sign 787.400 $\pm$ 0.131 χ^2/NDF : 1669663.8/26

All: 789.972 $\pm$ 0.093 χ^2/NDF : 4378300.2/52

- sign 792.651 $\pm$ 0.134 χ^2/NDF : 2707847.7/25

asym_sam_3748_avg_mean vs Slug



Right In: 2439.763+/-3288.332 χ^2/NDF : 0.0/1

Left Out: 1028.864+/-186.810 χ^2/NDF : 60.2/24

Right Out: -1045.716+/-2291.672 χ^2/NDF : 1.7/2

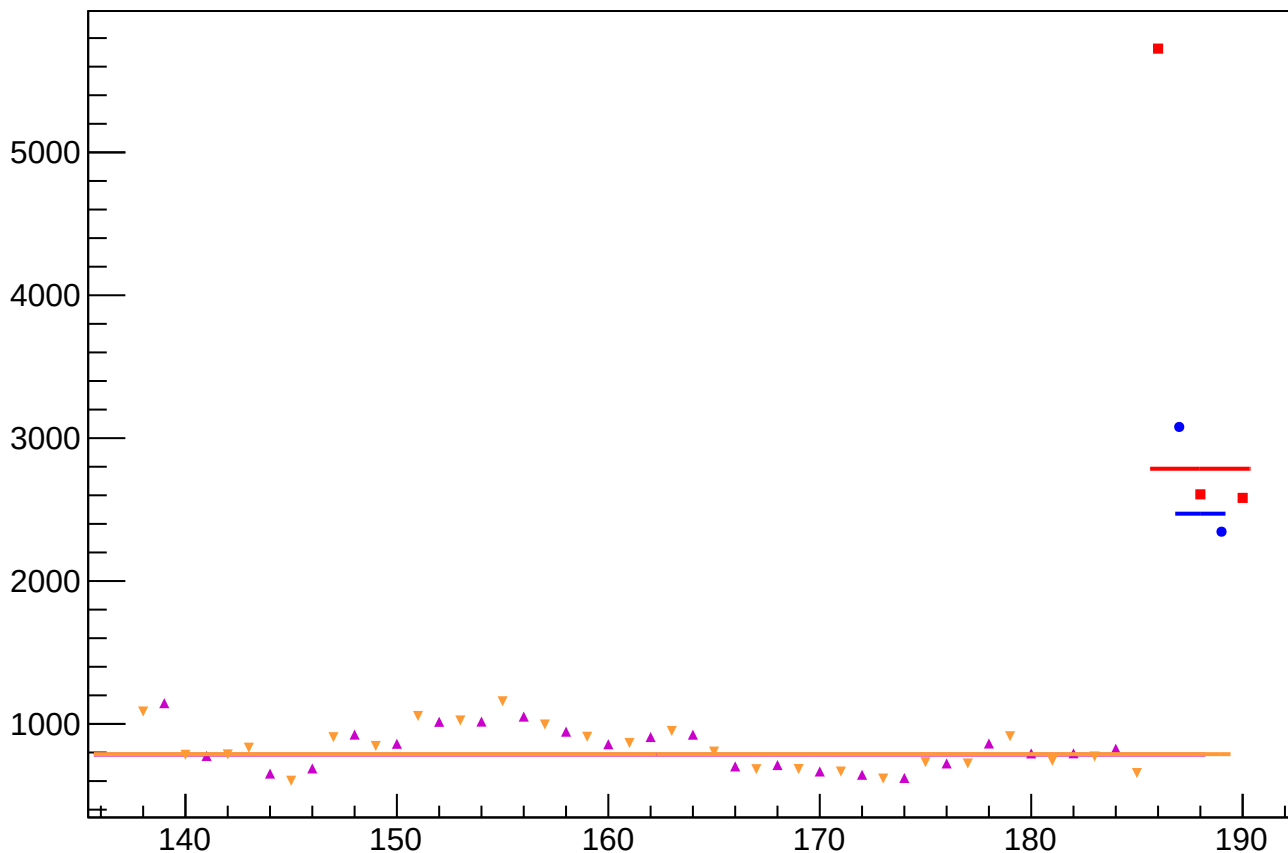
Left In: 98.691+/-191.027 χ^2/NDF : 25.4/22

+ sign 1033.403+/-186.509 χ^2/NDF : 60.4/26

All: 571.745+/-133.225 χ^2/NDF : 100.3/52

- sign 90.794+/-190.367 χ^2/NDF : 27.4/25

asym_sam_3748_avg_rms vs Slug



Right In: 2471.451+/-2.325 χ^2/NDF : 14155.6/1

Left Out: 788.442+/-0.132 χ^2/NDF : 1113741.6/24

Right Out: 2785.995+/-1.620 χ^2/NDF : 208378.9/2

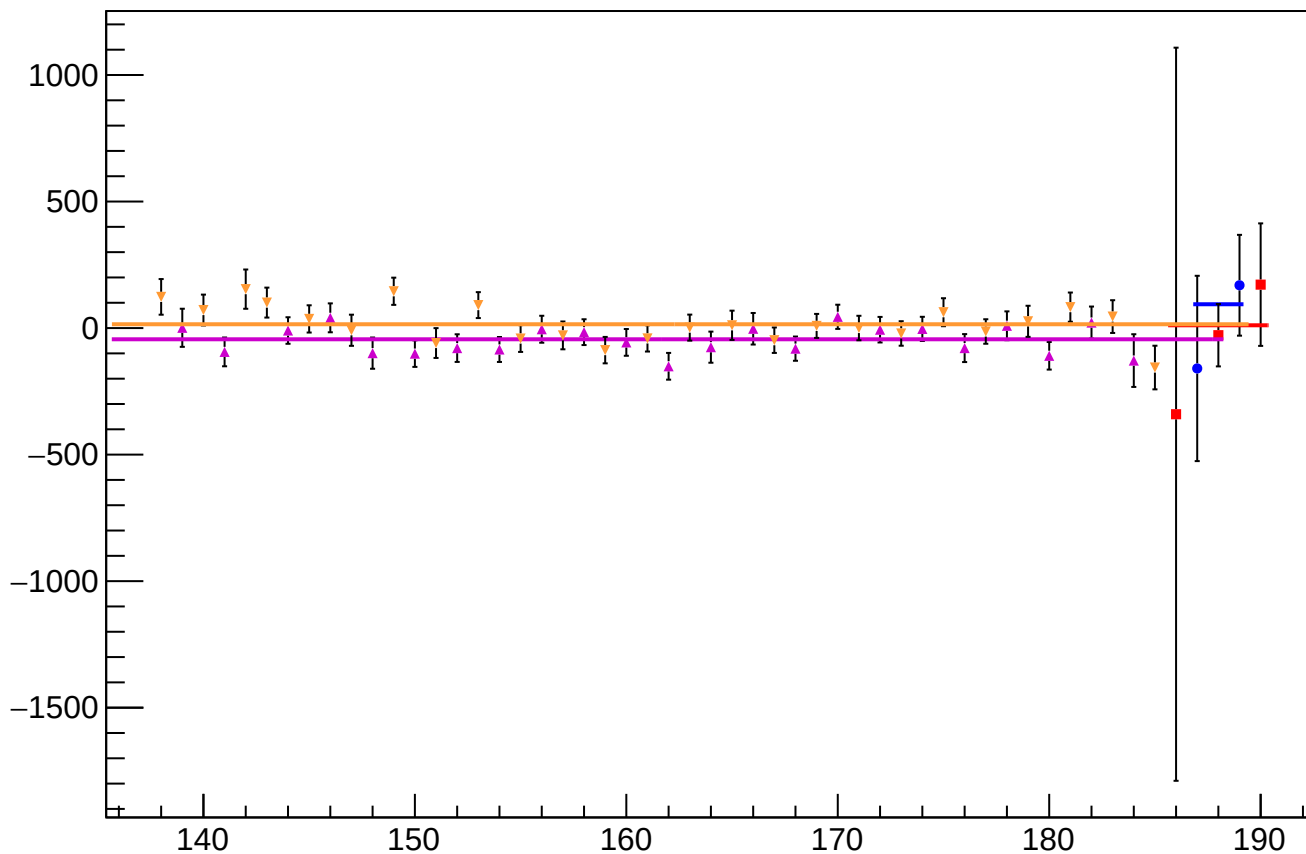
Left In: 785.490+/-0.135 χ^2/NDF : 965338.9/22

+ sign 793.856+/-0.132 χ^2/NDF : 1650115.4/26

All: 796.520+/-0.094 χ^2/NDF : 4338216.2/52

- sign 799.295+/-0.135 χ^2/NDF : 2687268.0/25

reg_asym_sam_1526_avg_mean vs Slug



Right In: 94.130 $\pm$ 174.959 χ^2 /NDF: 0.6/1

Left Out: 15.099 $\pm$ 11.154 χ^2 /NDF:34.2/24

Right Out: 11.022 $\pm$ 109.554 χ^2 /NDF: 0.6/2

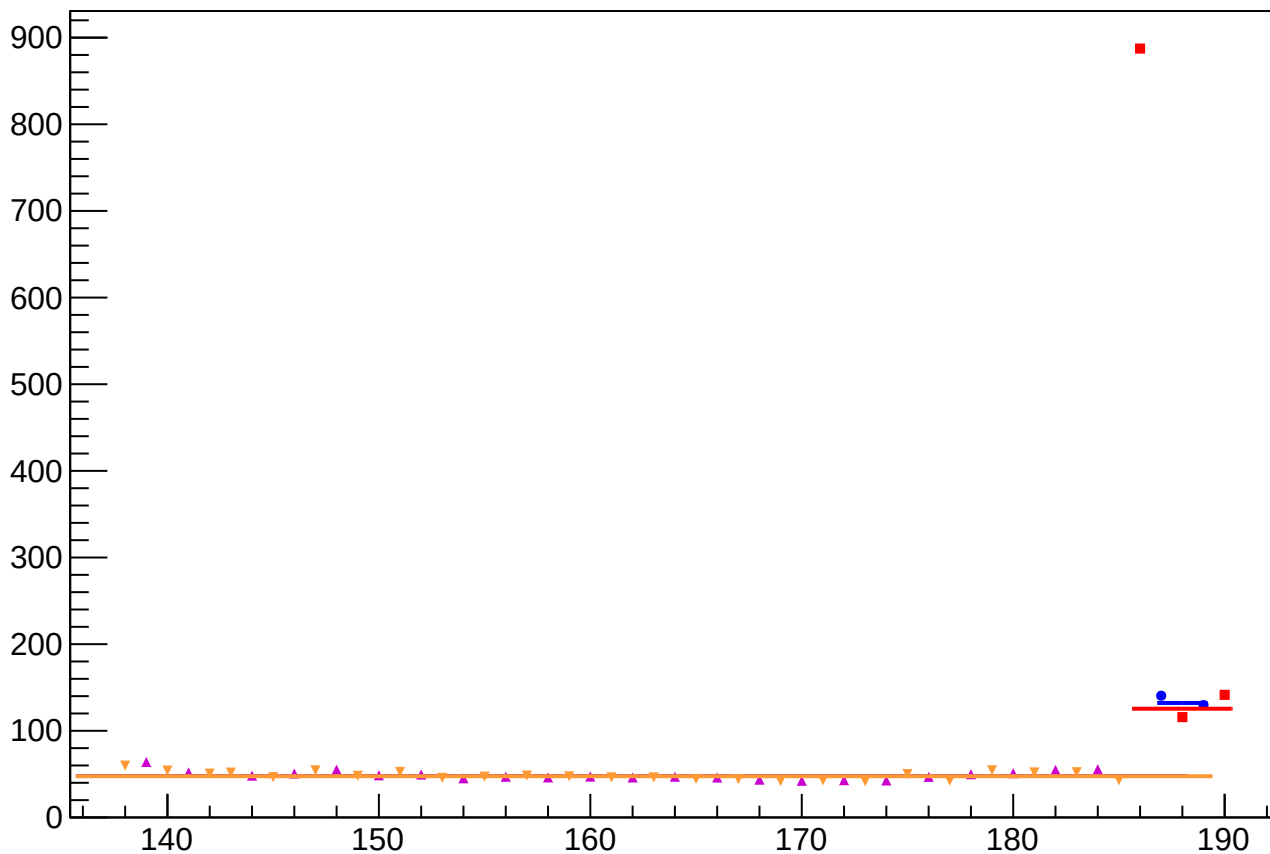
Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 15.419 $\pm$ 11.132 χ^2 /NDF: 35.0/26

All: -13.261 $\pm$ 7.987 χ^2 /NDF: 71.8/52

- sign -43.691 $\pm$ 11.466 χ^2 /NDF: 23.1/25

reg_asym_sam_1526_avg_rms vs Slug



Right In: 132.164 $\pm$ 0.124 χ^2 /NDF: 1348.3/1

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF:312874.8/24

Right Out: 125.487 $\pm$ 0.077 χ^2 /NDF: 574385.6/2

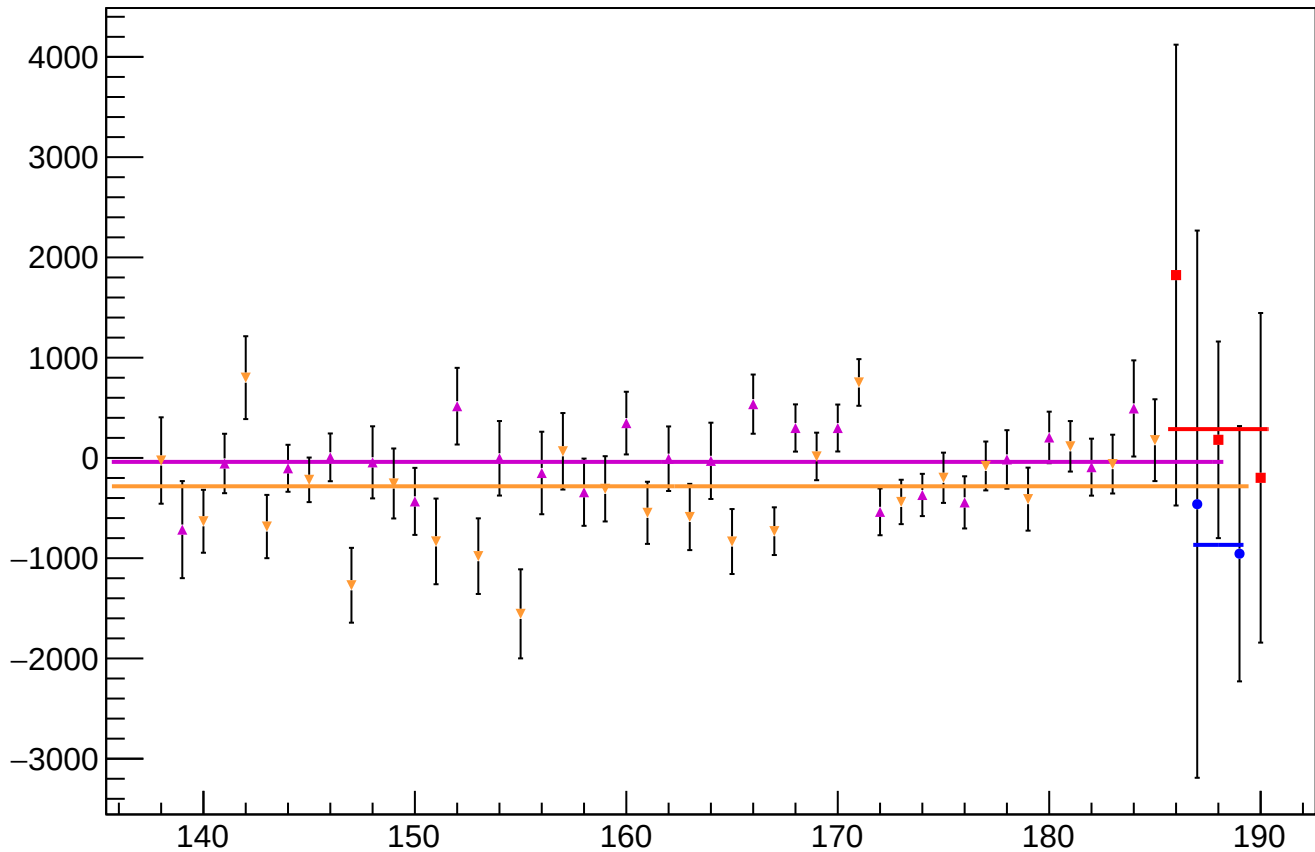
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF:281790.1/22

+ sign 47.929 $\pm$ 0.008 χ^2 /NDF: 779711.3/26

All: 48.301 $\pm$ 0.006 χ^2 /NDF: 2634011.5/52

- sign 48.697 $\pm$ 0.008 χ^2 /NDF: 1849681.2/25

asym_sam_1526_avg_correction_mean vs Slug



Right In: -867.113 ± 1153.869 χ^2/NDF : 0.0/1

Left Out: -282.798 ± 59.690 χ^2/NDF : 66.5/24

Right Out: 287.401 ± 790.680 χ^2/NDF : 0.5/2

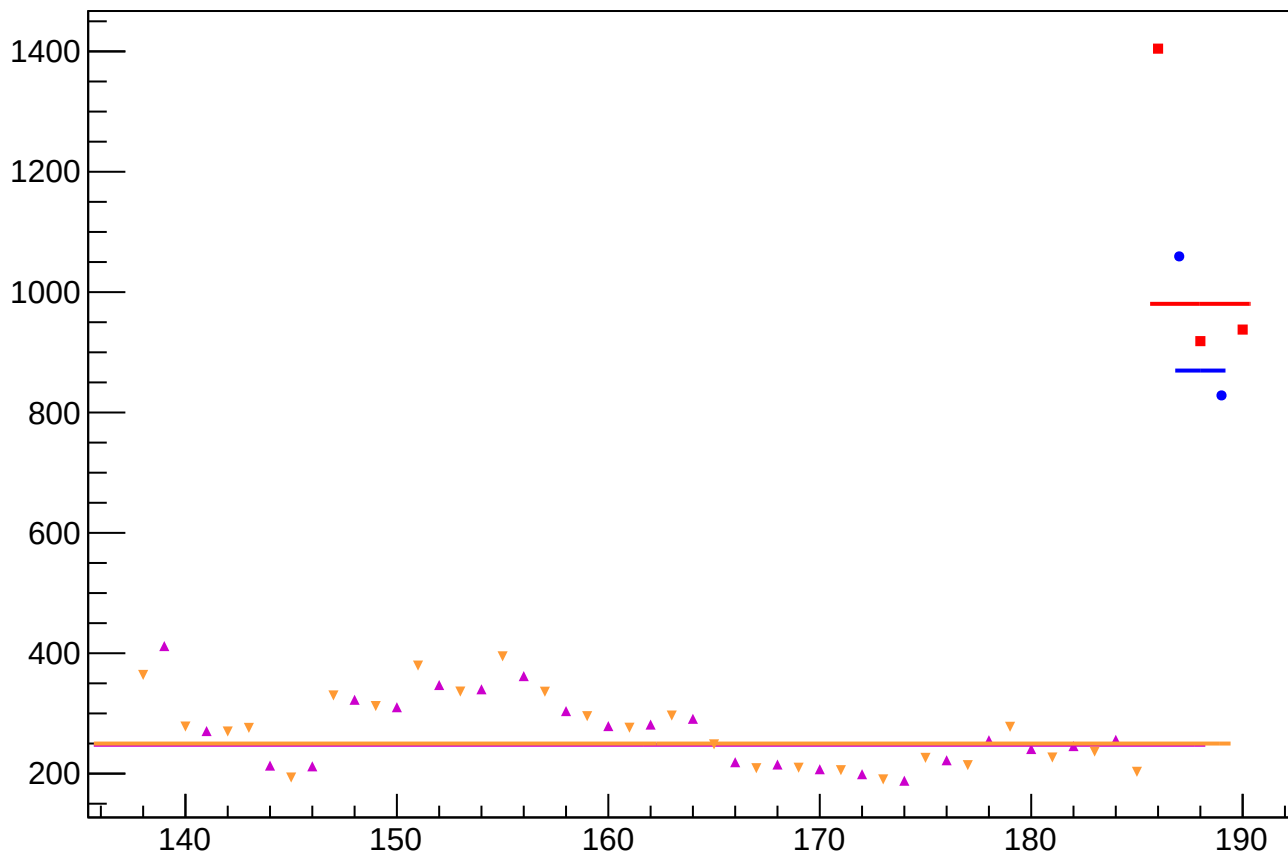
Left In: -39.432 ± 60.759 χ^2/NDF : 27.5/22

+ sign -284.358 ± 59.610 χ^2/NDF : 66.8/26

All: -162.928 ± 42.490 χ^2/NDF : 103.5/52

- sign -37.513 ± 60.580 χ^2/NDF : 28.3/25

asym_sam_1526_avg_correction_rms vs Slug



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: 980.555+/-0.559 χ^2/NDF : 77415.9/2

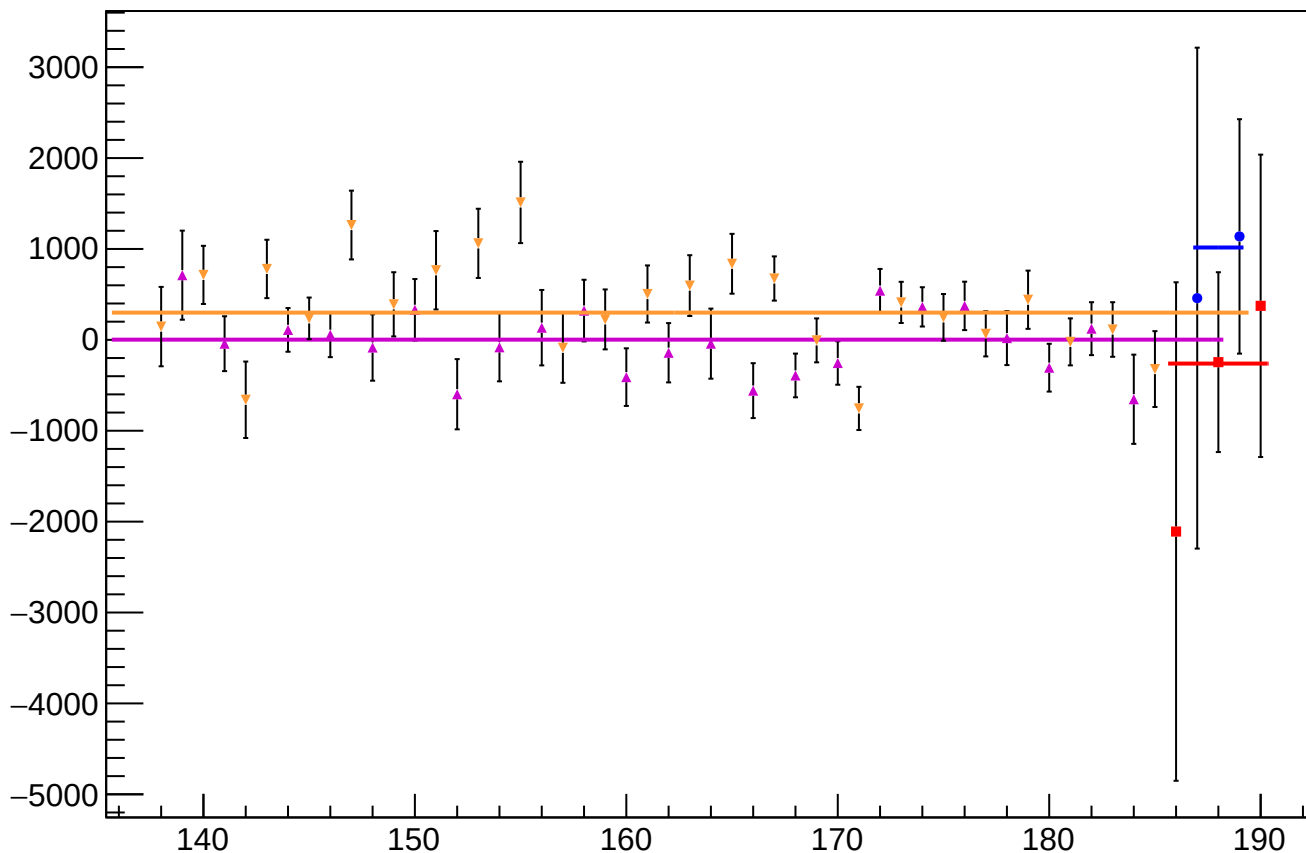
Left In: 247.917+/-0.043 χ^2/NDF : 1410847.5/22

+ sign 251.610+/-0.042 χ^2/NDF : 2201366.3/26

All: 251.909+/-0.030 χ^2/NDF : 5396802.1/52

- sign 252.218+/-0.043 χ^2/NDF : 3195333.7/25

asym_sam_1526_avg_mean vs Slug



Right In: 1016.027 $\pm$ 1167.997 χ^2 /NDF: 0.0/1

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF:62.5/24

Right Out: -261.043 $\pm$ 812.155 χ^2 /NDF: 0.6/2

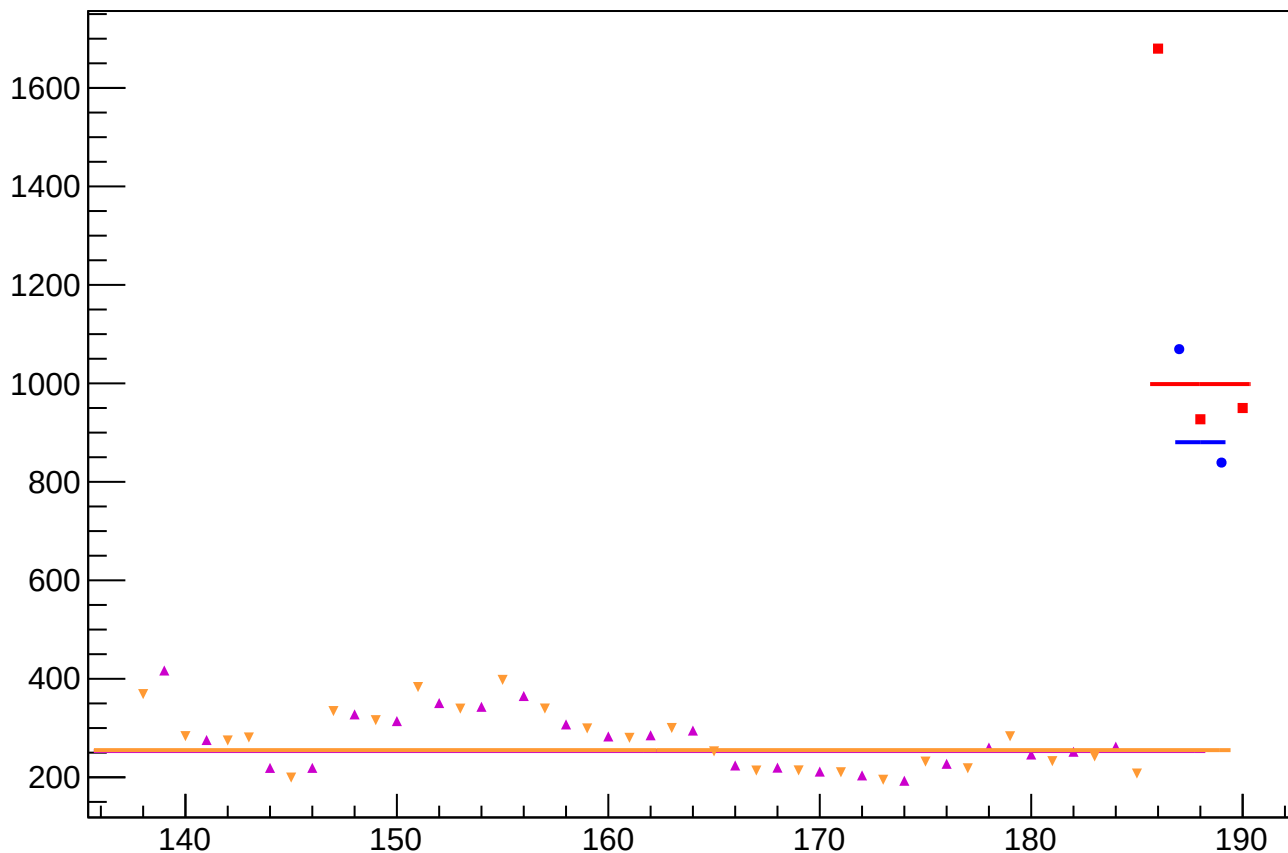
Left In: 2.185 $\pm$ 62.005 χ^2 /NDF:29.2/22

+ sign 301.502 $\pm$ 60.777 χ^2 /NDF: 62.9/26

All: 153.652 $\pm$ 43.342 χ^2 /NDF: 104.8/52

- sign 0.660 $\pm$ 61.825 χ^2 /NDF: 29.9/25

asym_sam_1526_avg_rms vs Slug



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: 998.569 $\pm$ 0.574 χ^2 /NDF: 135569.5/2

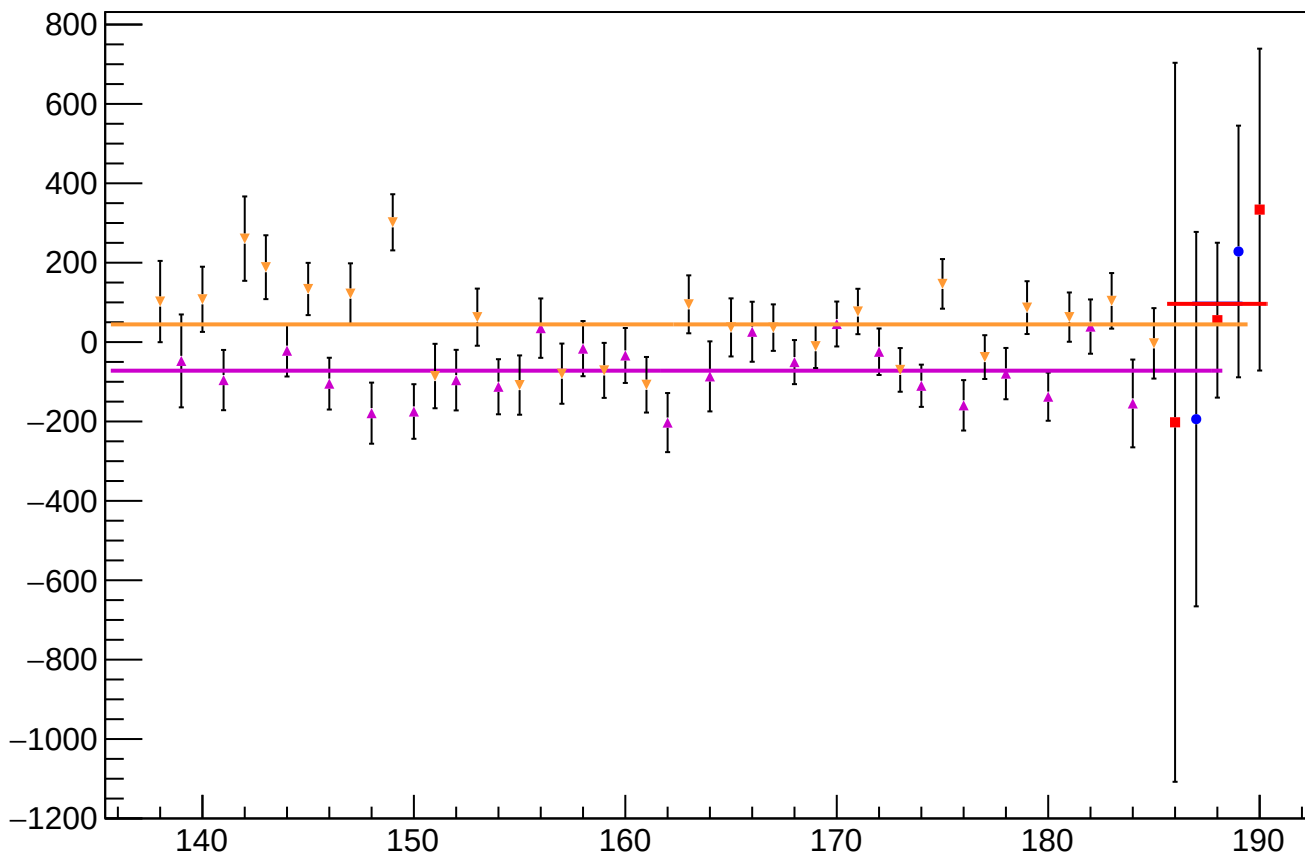
Left In: 253.287 $\pm$ 0.044 χ^2 /NDF: 1341662.3/22

+ sign 256.829 $\pm$ 0.043 χ^2 /NDF: 2125327.8/26

All: 257.211 $\pm$ 0.031 χ^2 /NDF: 5277156.5/52

- sign 257.606 $\pm$ 0.044 χ^2 /NDF: 3151667.9/25

reg_asym_sam_3726_avg_mean vs Slug



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: 96.310 $\pm$ 172.576 χ^2 /NDF: 0.5/2

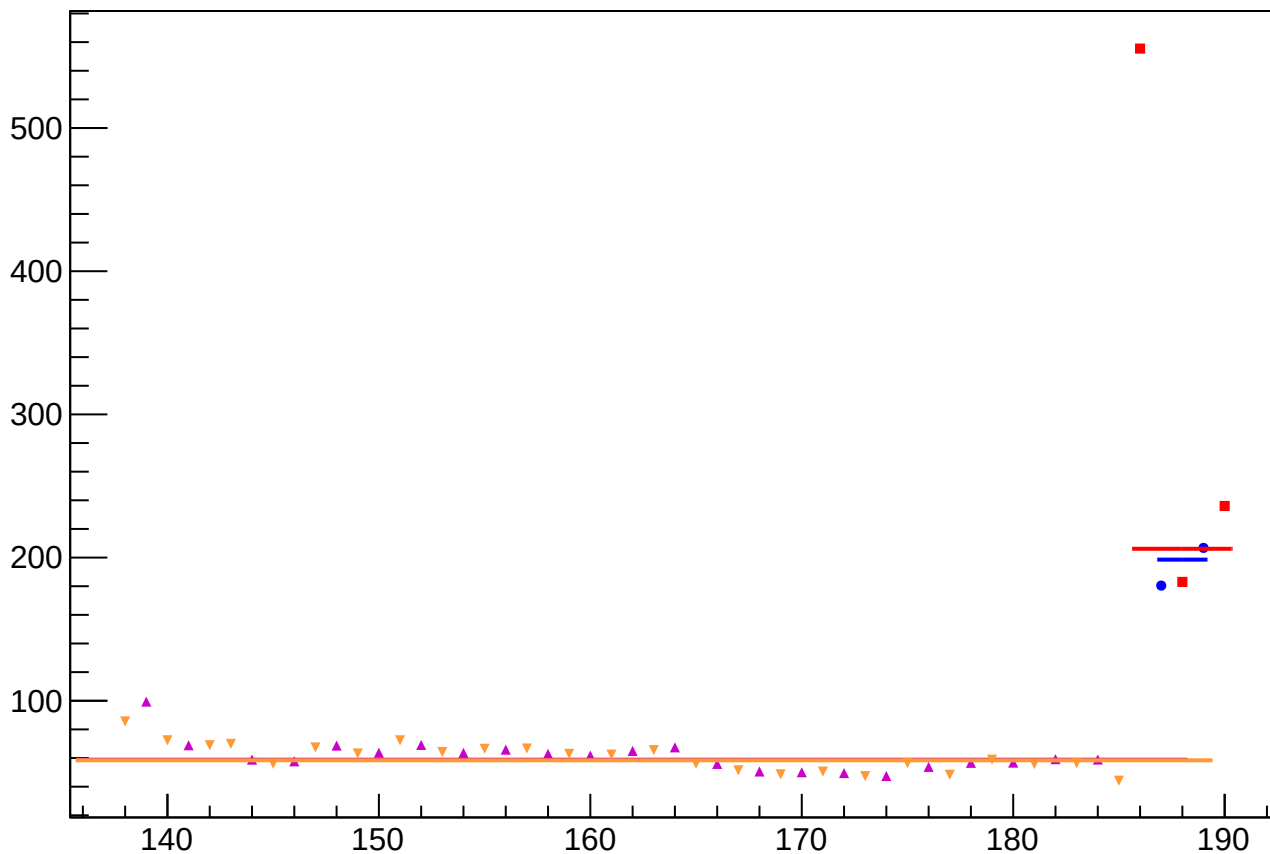
Left In: -72.037 $\pm$ 14.296 χ^2 /NDF:25.3/22

+ sign 44.746 $\pm$ 13.805 χ^2 /NDF: 54.5/26

All: -11.249 $\pm$ 9.914 χ^2 /NDF: 115.2/52

- sign -70.890 $\pm$ 14.248 χ^2 /NDF: 26.7/25

reg_asym_sam_3726_avg_rms vs Slug



Right In: 198.575 $\pm$ 0.186 χ^2 /NDF: 4294.4/1

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 206.145 $\pm$ 0.122 χ^2 /NDF: 336554.5/2

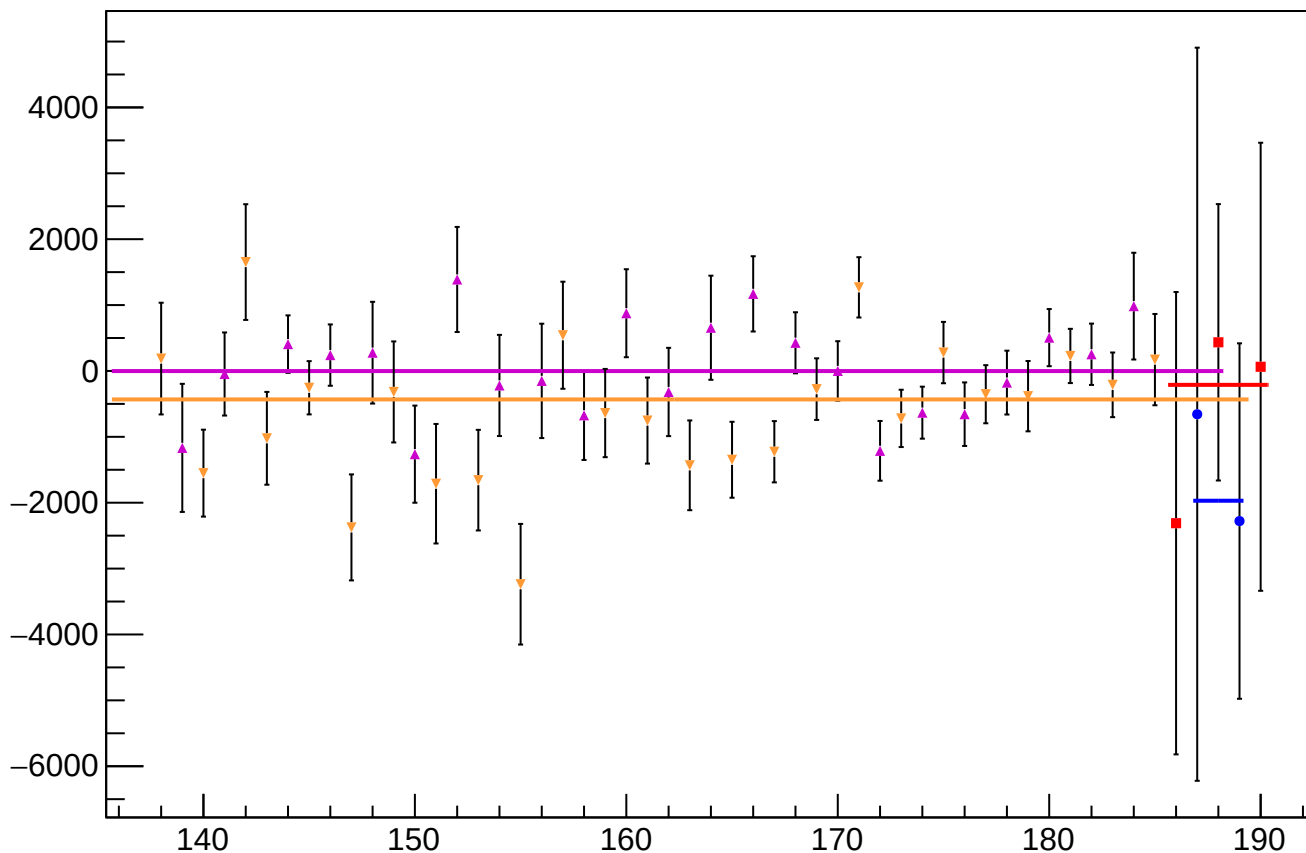
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 58.809 $\pm$ 0.010 χ^2 /NDF: 1360358.3/26

All: 59.310 $\pm$ 0.007 χ^2 /NDF: 3829506.5/52

- sign 59.844 $\pm$ 0.010 χ^2 /NDF: 2463704.0/25

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1969.950 ± 2427.505 χ^2/NDF : 0.1/1

Left Out: -432.330 ± 114.408 χ^2/NDF : 59.4/24

Right Out: -211.099 ± 1591.262 χ^2/NDF : 0.5/2

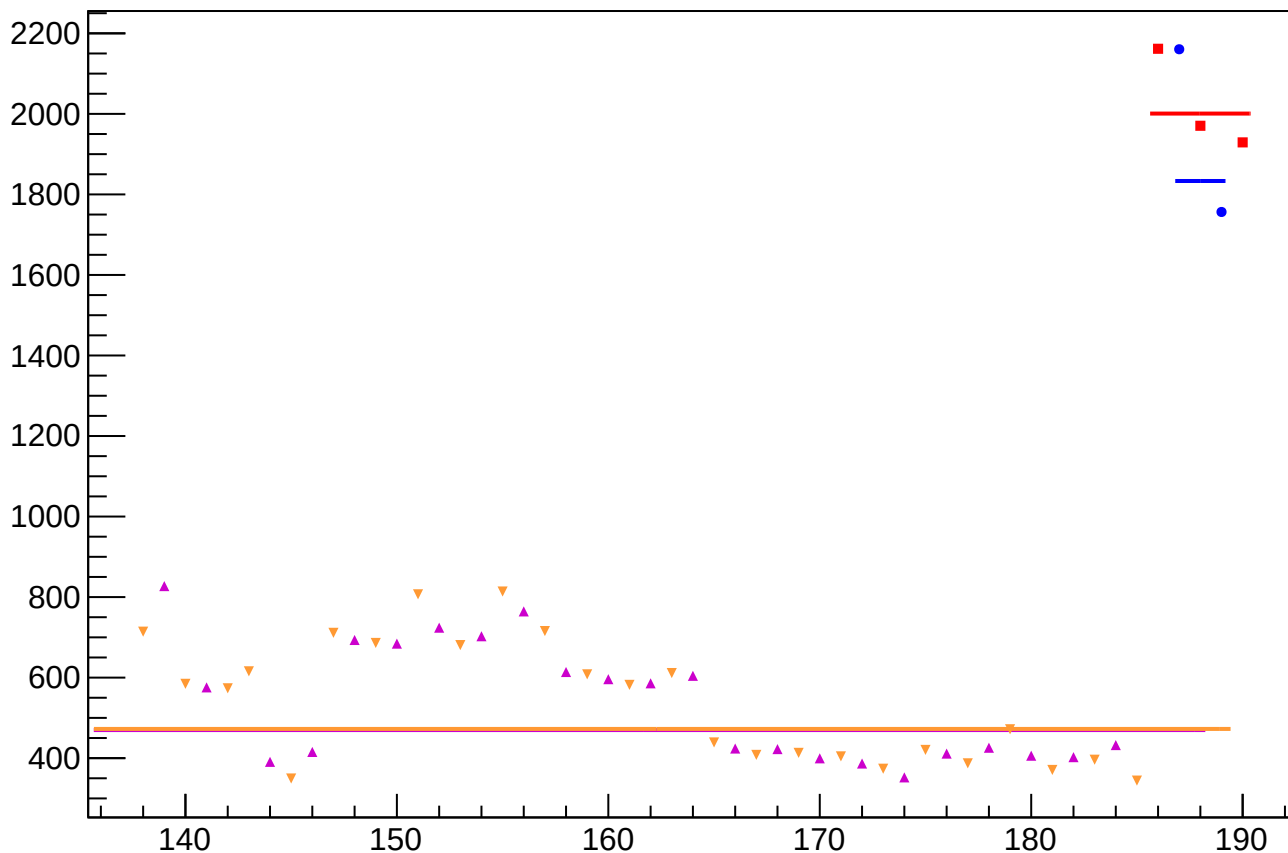
Left In: -1.825 ± 116.459 χ^2/NDF : 32.3/22

+ sign -435.738 ± 114.281 χ^2/NDF : 59.9/26

All: -222.845 ± 81.461 χ^2/NDF : 99.7/52

- sign -2.940 ± 116.148 χ^2/NDF : 32.8/25

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1833.326+/-1.717 χ^2/NDF : 8540.4/1

Left Out: 472.569+/-0.081 χ^2/NDF : 2508168.9/24

Right Out: 2000.765+/-1.125 χ^2/NDF : 5509.4/2

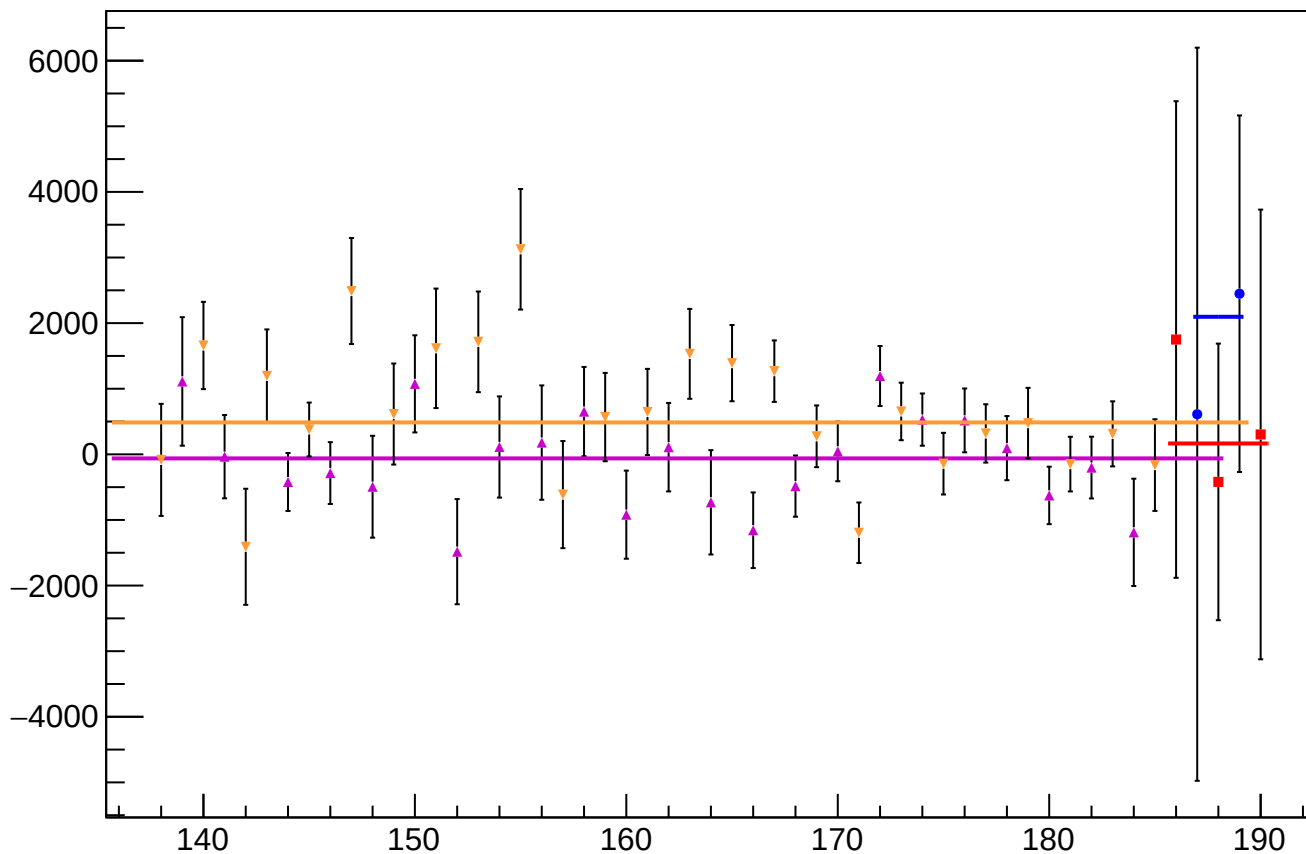
Left In: 469.761+/-0.082 χ^2/NDF : 2116885.7/22

+ sign 475.585+/-0.081 χ^2/NDF : 3143767.0/26

All: 476.732+/-0.058 χ^2/NDF : 7108103.8/52

- sign 477.918+/-0.082 χ^2/NDF : 3963926.7/25

asym_sam_3726_avg_mean vs Slug



Right In: 2096.604 $\pm$ 2443.685 χ^2 /NDF: 0.1/1

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 165.603 $\pm$ 1609.590 χ^2 /NDF: 0.3/2

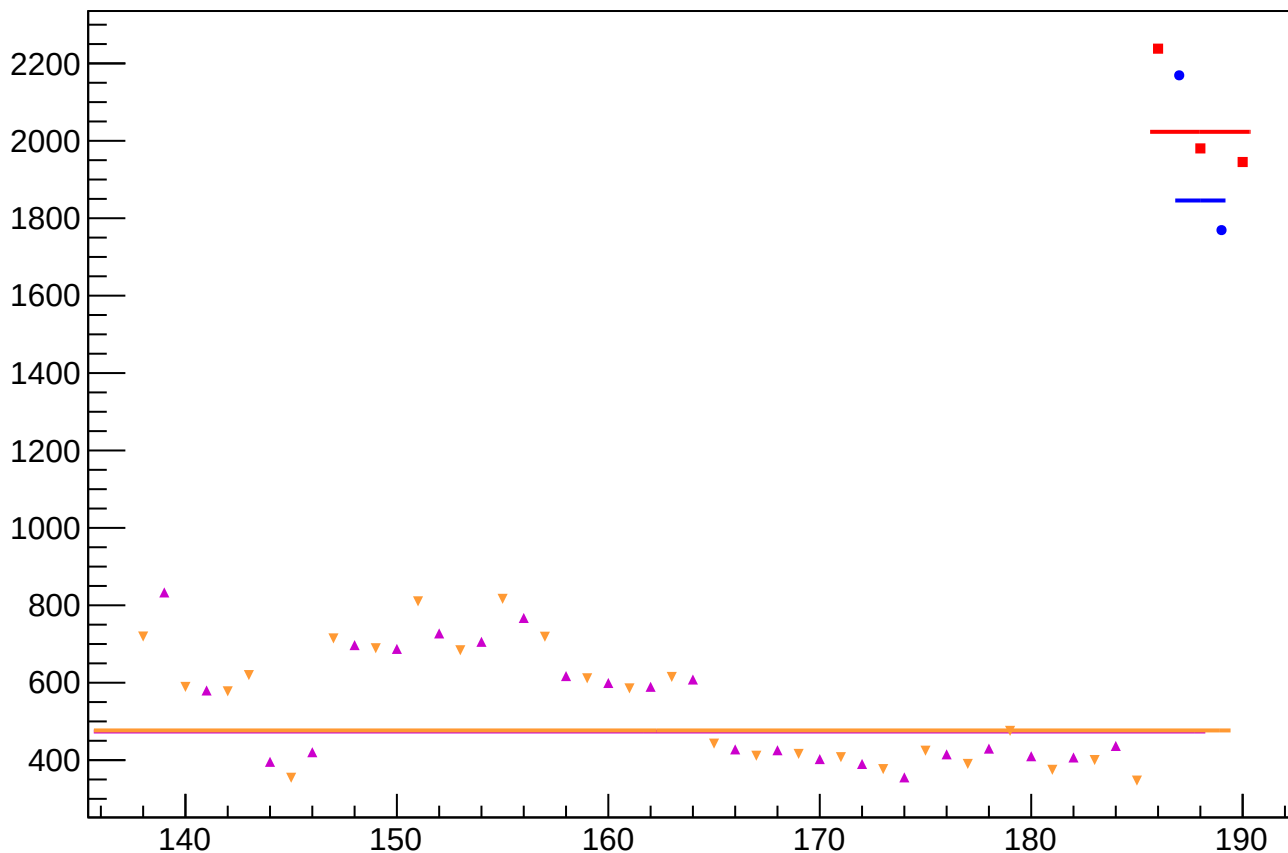
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 490.224 $\pm$ 115.218 χ^2 /NDF: 56.5/26

All: 219.377 $\pm$ 82.142 χ^2 /NDF: 99.2/52

- sign -60.571 $\pm$ 117.137 χ^2 /NDF: 31.4/25

asym_sam_3726_avg_rms vs Slug



Right In: 1845.834+/-1.728 χ^2/NDF : 8285.0/1

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 2023.262+/-1.138 χ^2/NDF : 8859.7/2

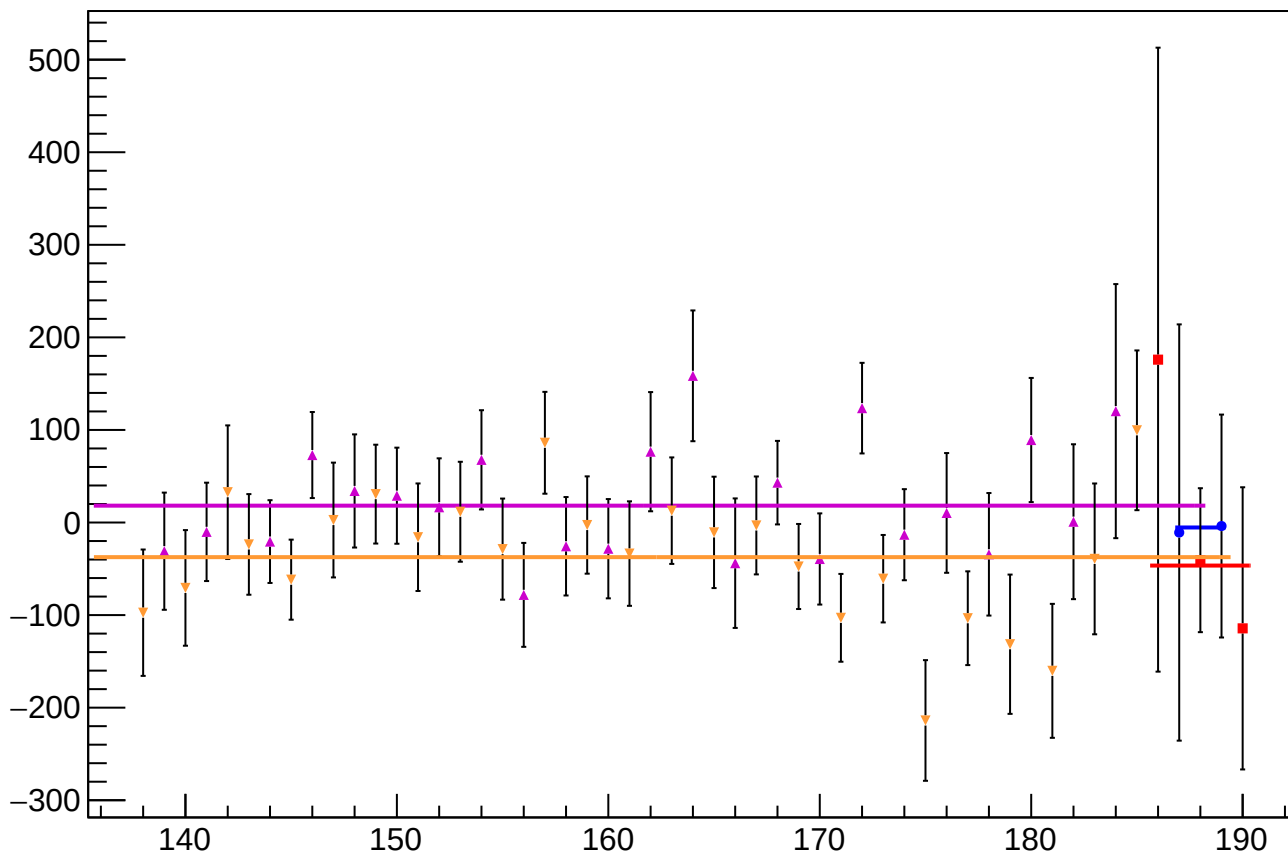
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 479.734+/-0.081 χ^2/NDF : 3107450.9/26

All: 480.941+/-0.058 χ^2/NDF : 7046986.2/52

- sign 482.189+/-0.083 χ^2/NDF : 3939088.7/25

reg_asym_sam_15_48_dd_mean vs Slug



Right In: -5.364 ± 106.140 χ^2/NDF : 0.0/1

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -46.509 ± 67.844 χ^2/NDF : 0.6/2

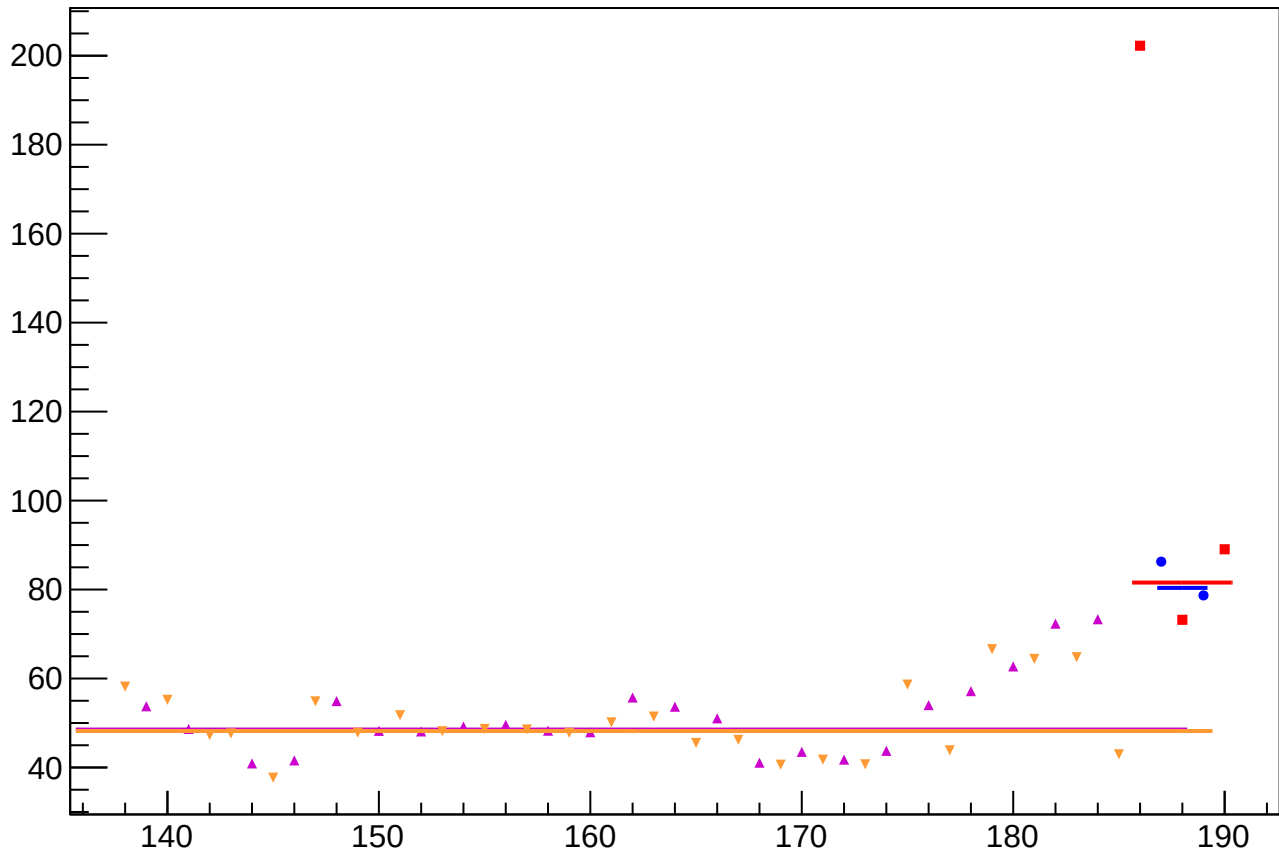
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -37.048 ± 11.325 χ^2/NDF : 30.6/26

All: -11.040 ± 8.108 χ^2/NDF : 65.9/52

- sign 16.314 ± 11.614 χ^2/NDF : 24.5/25

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 80.371 $\pm$ 0.075 χ^2 /NDF: 1771.6/1

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 81.571 $\pm$ 0.048 χ^2 /NDF: 284405.8/2

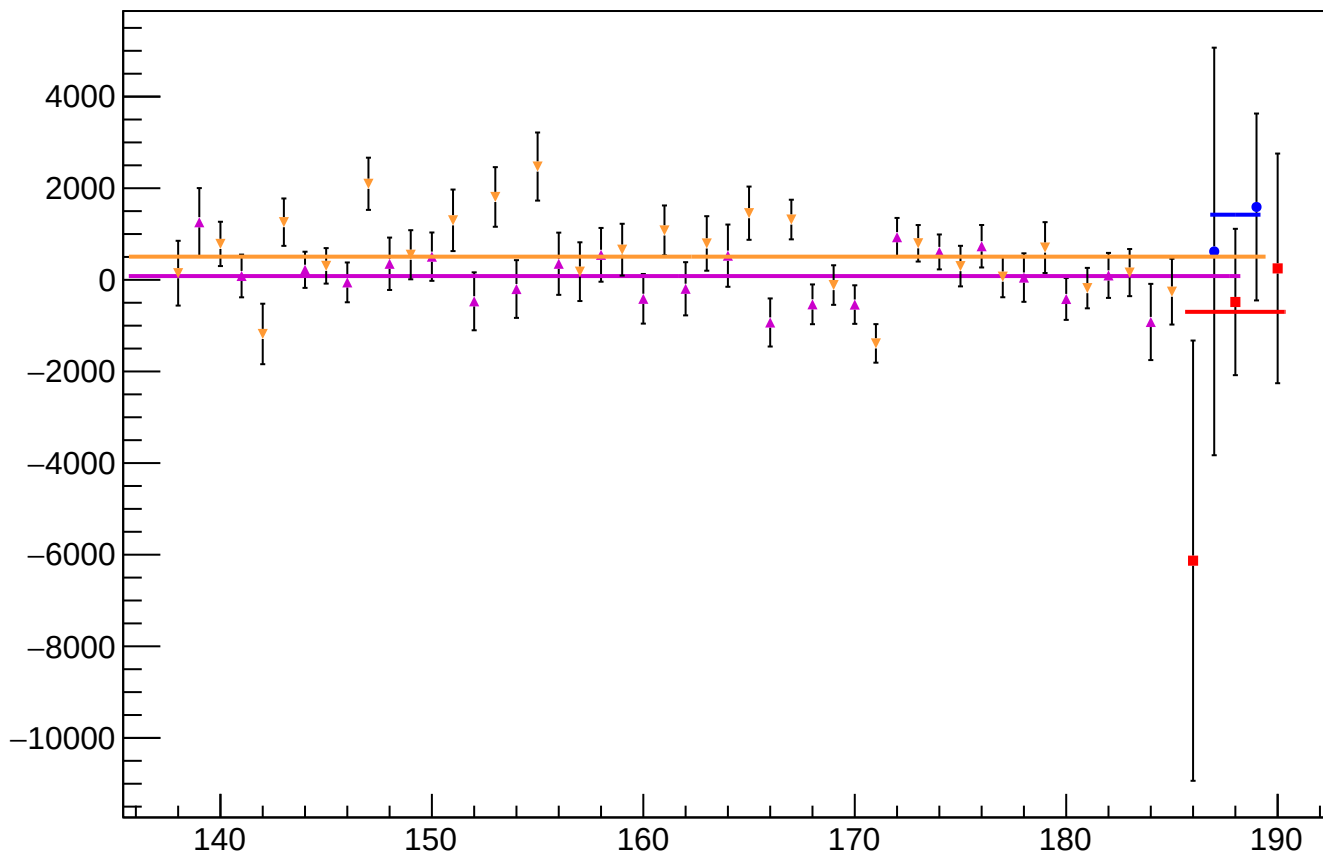
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 48.566 $\pm$ 0.008 χ^2 /NDF: 933619.9/26

All: 49.019 $\pm$ 0.006 χ^2 /NDF: 2360484.6/52

- sign 49.495 $\pm$ 0.008 χ^2 /NDF: 1420302.3/25

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1422.107+/-1854.221 χ^2/NDF : 0.0/1

Left Out: 506.205+/-103.468 χ^2/NDF : 65.7/24

Right Out: -698.491+/-1297.100 χ^2/NDF : 1.4/2

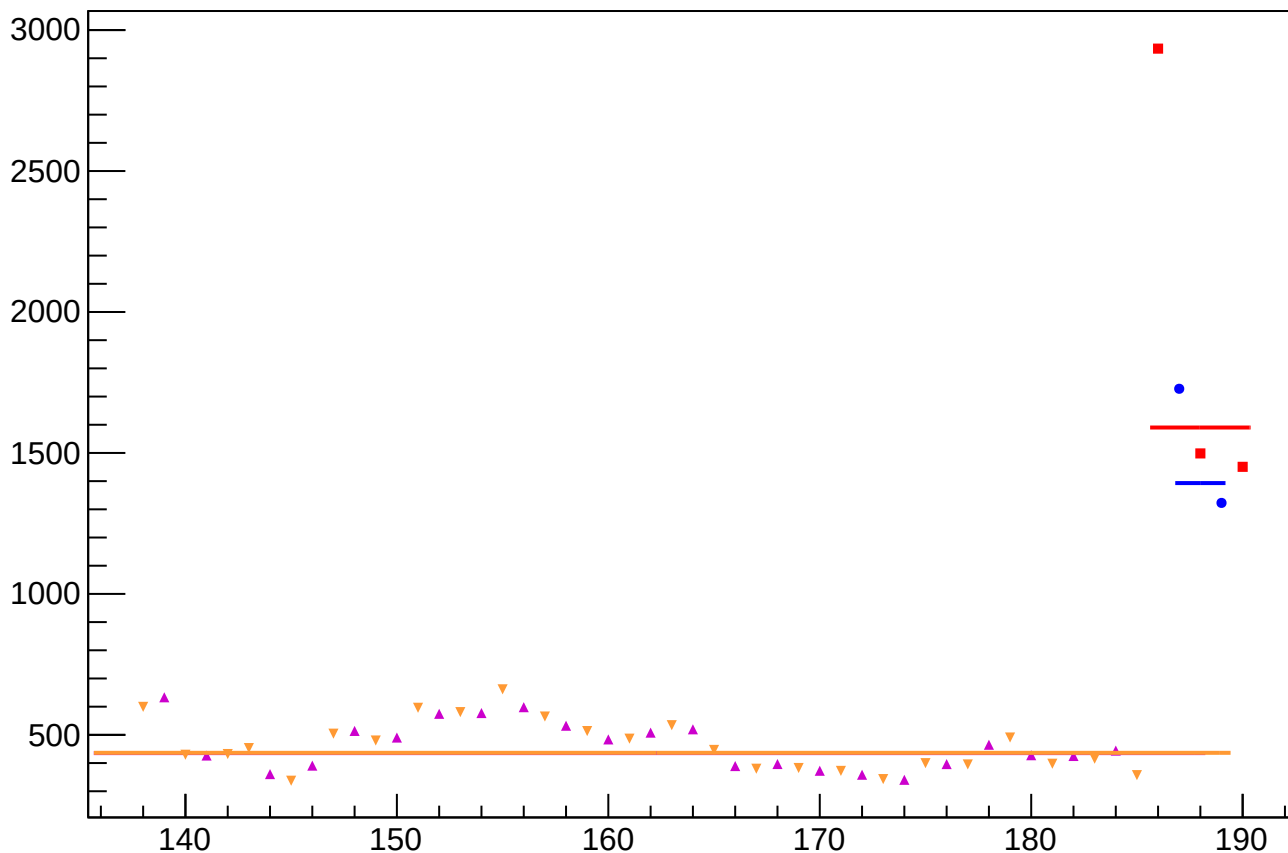
Left In: 82.421+/-105.935 χ^2/NDF : 25.3/22

+ sign 509.048+/-103.307 χ^2/NDF : 66.0/26

All: 297.853+/-73.841 χ^2/NDF : 101.7/52

- sign 77.247+/-105.584 χ^2/NDF : 27.1/25

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1393.128 $\pm$ 1.311 χ^2 /NDF: 13686.1/1

Left Out: 436.301 $\pm$ 0.073 χ^2 /NDF: 1179348.4/24

Right Out: 1590.206 $\pm$ 0.917 χ^2 /NDF: 169249.1/2

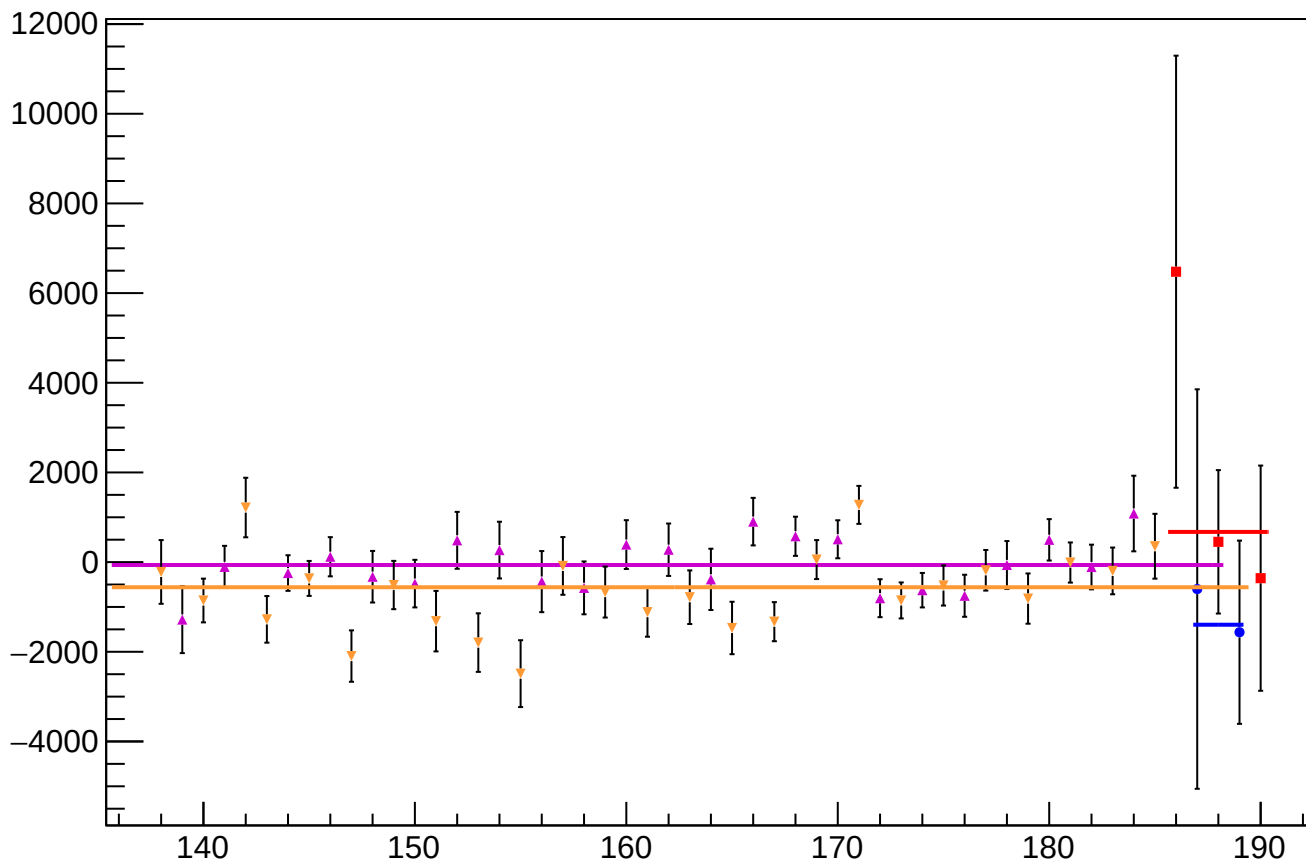
Left In: 435.275 $\pm$ 0.075 χ^2 /NDF: 1027713.1/22

+ sign 439.272 $\pm$ 0.073 χ^2 /NDF: 1723946.9/26

All: 441.060 $\pm$ 0.052 χ^2 /NDF: 4497231.1/52

- sign 442.928 $\pm$ 0.075 χ^2 /NDF: 2772059.1/25

asym_sam_15_48_dd_mean vs Slug



Right In: -1396.554 ± 1857.539 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -560.684 ± 104.207 $\chi^2/\text{NDF}: 61.8/24$

Right Out: 673.443 ± 1299.108 $\chi^2/\text{NDF}: 1.6/2$

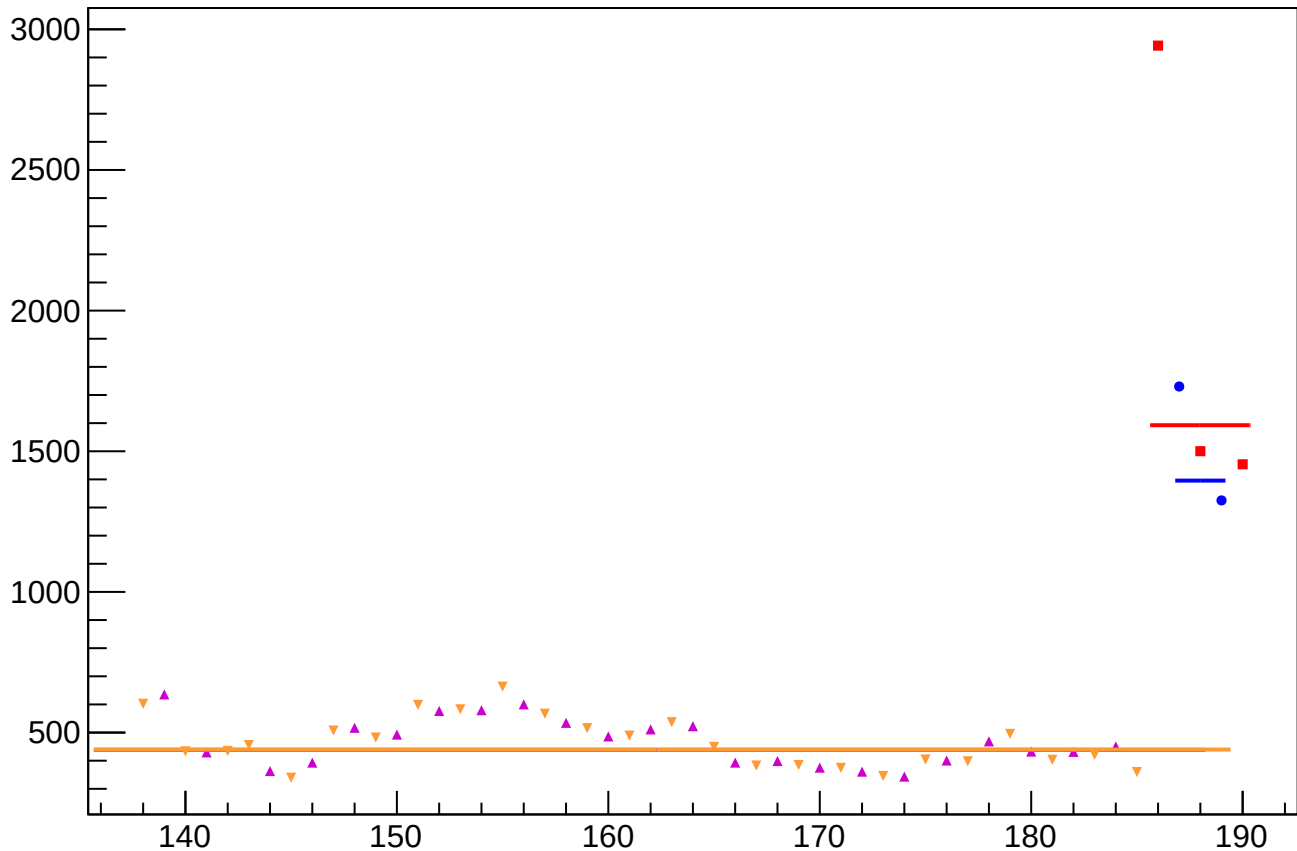
Left In: -64.594 ± 106.708 $\chi^2/\text{NDF}: 25.2/22$

+ sign -563.306 ± 104.044 $\chi^2/\text{NDF}: 62.0/26$

All: -316.997 ± 74.372 $\chi^2/\text{NDF}: 100.6/52$

- sign -59.648 ± 106.349 $\chi^2/\text{NDF}: 27.1/25$

asym_sam_15_48_dd_rms vs Slug



Right In: 1395.693 $\pm$ 1.313 χ^2 /NDF: 13641.1/1

Left Out: 439.527 $\pm$ 0.074 χ^2 /NDF:1163352.8/24

Right Out: 1592.586 $\pm$ 0.919 χ^2 /NDF: 169638.6/2

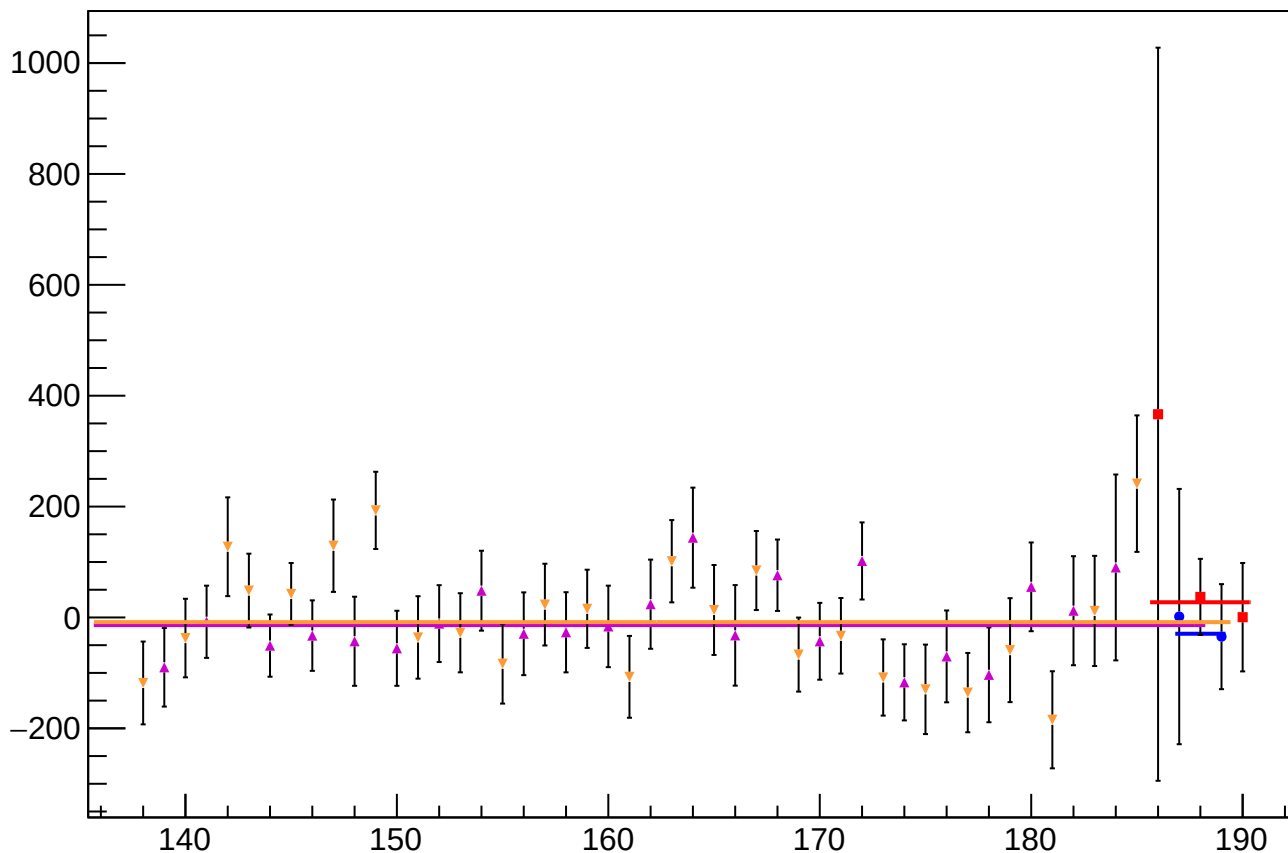
Left In: 438.548 $\pm$ 0.075 χ^2 /NDF:1013071.4/22

+ sign 442.527 $\pm$ 0.074 χ^2 /NDF: 1705264.2/26

All: 444.363 $\pm$ 0.053 χ^2 /NDF: 4456935.3/52

- sign 446.282 $\pm$ 0.075 χ^2 /NDF: 2750397.1/25

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -29.367 ± 87.608 χ^2/NDF : 0.0/1

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 27.437 ± 55.986 χ^2/NDF : 0.4/2

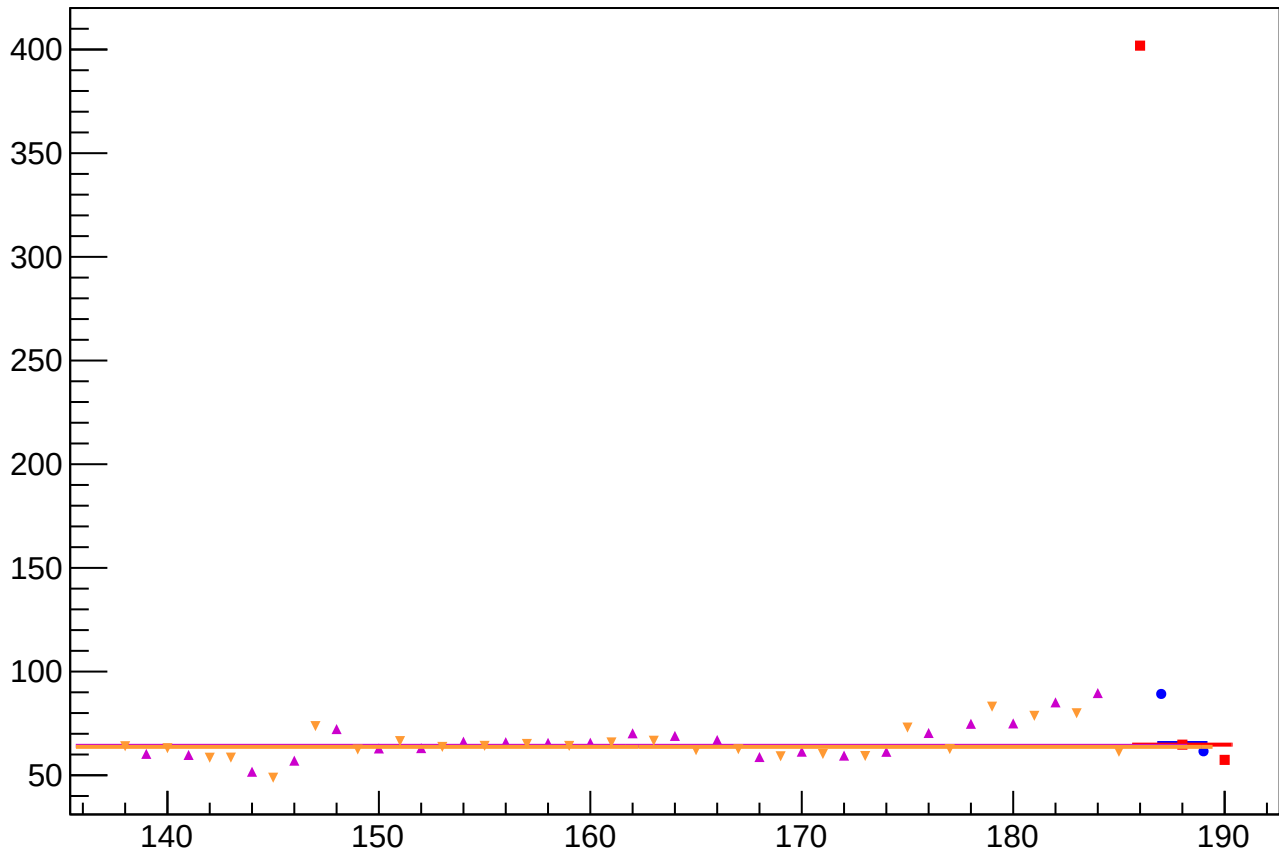
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -9.008 ± 14.722 χ^2/NDF : 41.7/26

All: -9.892 ± 10.479 χ^2/NDF : 58.8/52

- sign -10.801 ± 14.918 χ^2/NDF : 17.1/25

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 65.550 $\pm$ 0.062 χ^2 /NDF: 24699.6/1

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 64.763 $\pm$ 0.040 χ^2 /NDF: 531155.3/2

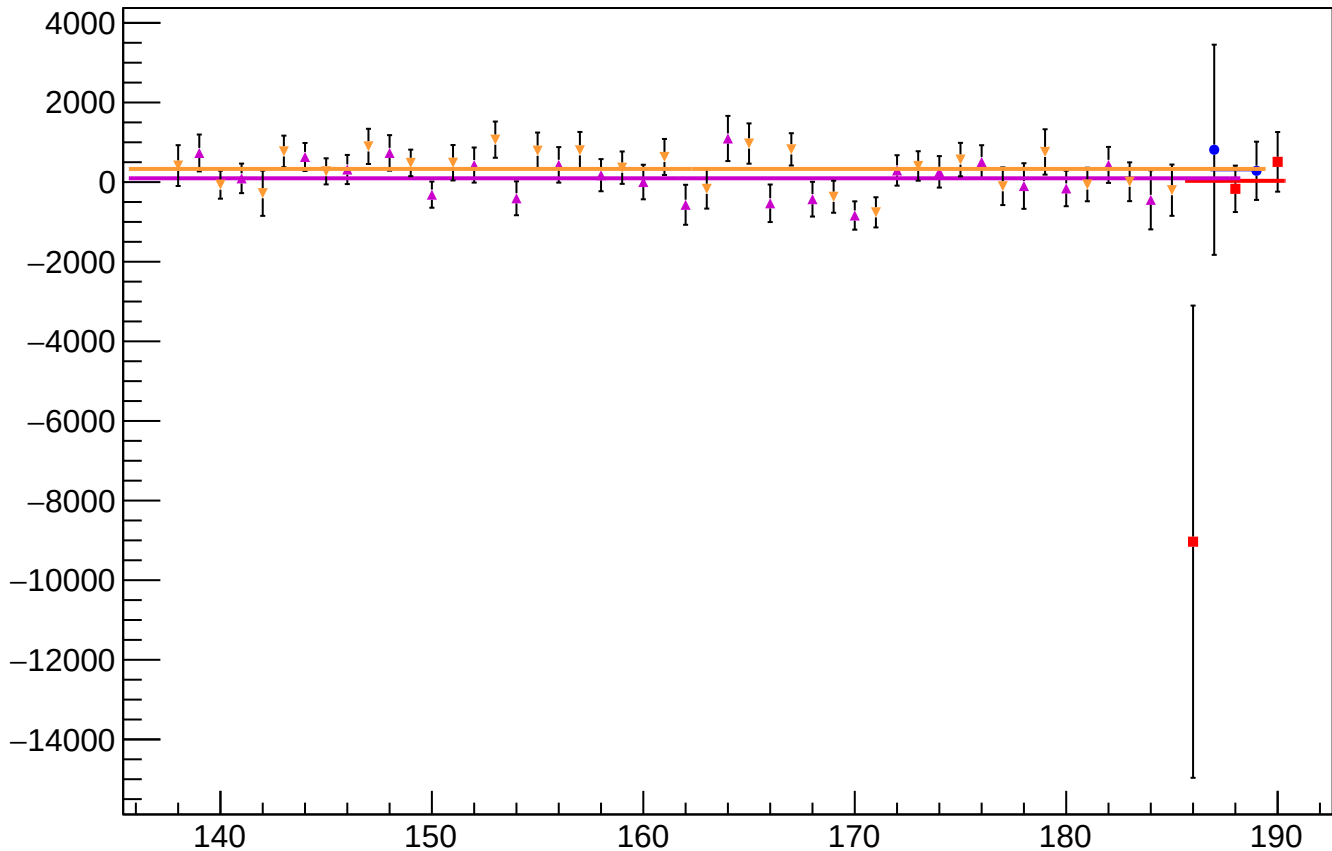
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.748 $\pm$ 0.010 χ^2 /NDF: 474009.5/26

All: 63.986 $\pm$ 0.007 χ^2 /NDF: 1436085.8/52

- sign 64.230 $\pm$ 0.011 χ^2 /NDF: 961020.7/25

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 321.745 $\pm$ 705.164 χ^2 /NDF: 0.0/1

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF:29.9/24

Right Out: 32.509 $\pm$ 458.804 χ^2 /NDF: 2.9/2

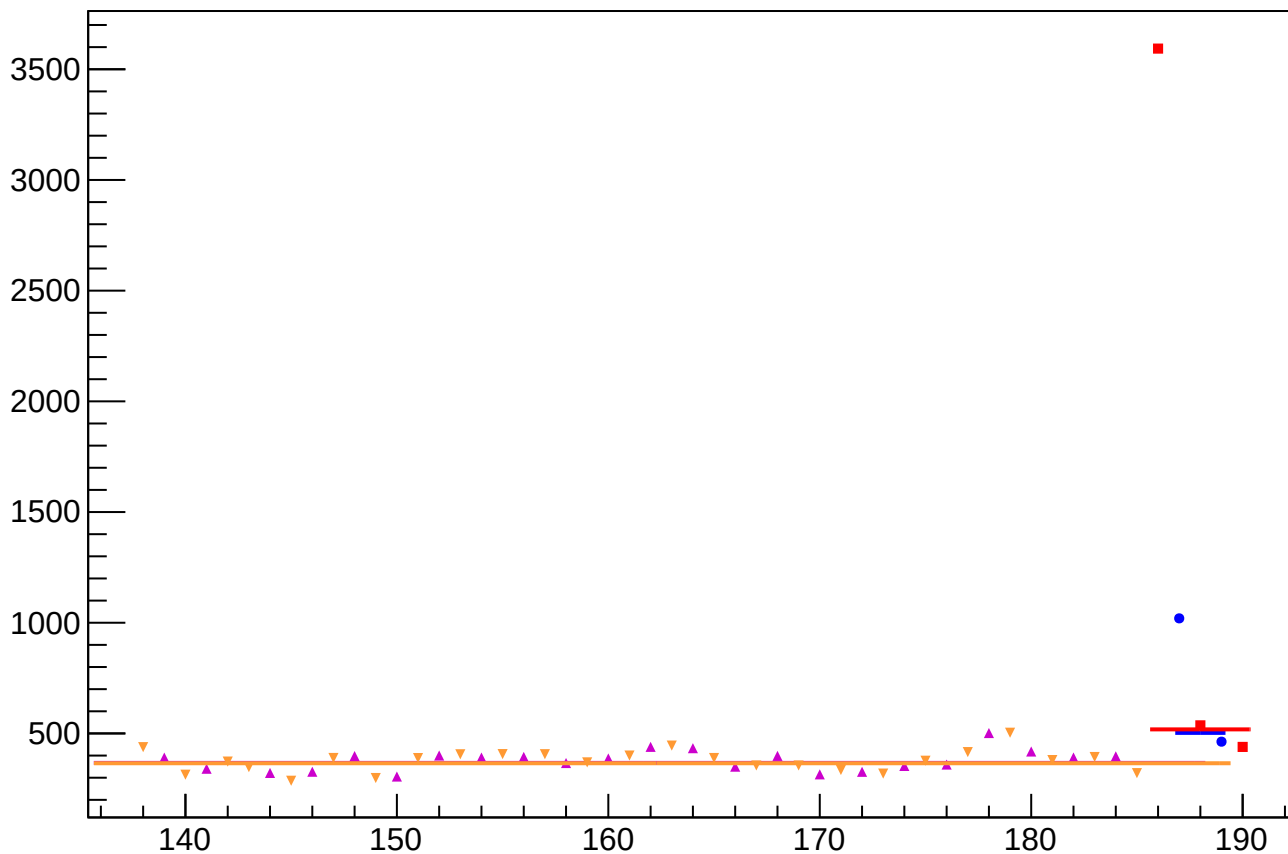
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF:28.7/22

+ sign 331.592 $\pm$ 85.437 χ^2 /NDF: 29.9/26

All: 214.829 $\pm$ 60.974 χ^2 /NDF: 65.3/52

- sign 93.628 $\pm$ 87.046 χ^2 /NDF: 31.6/25

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 502.521 $\pm$ 0.499 χ^2 /NDF: 82687.1/1

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 518.290 $\pm$ 0.324 χ^2 /NDF: 561879.8/2

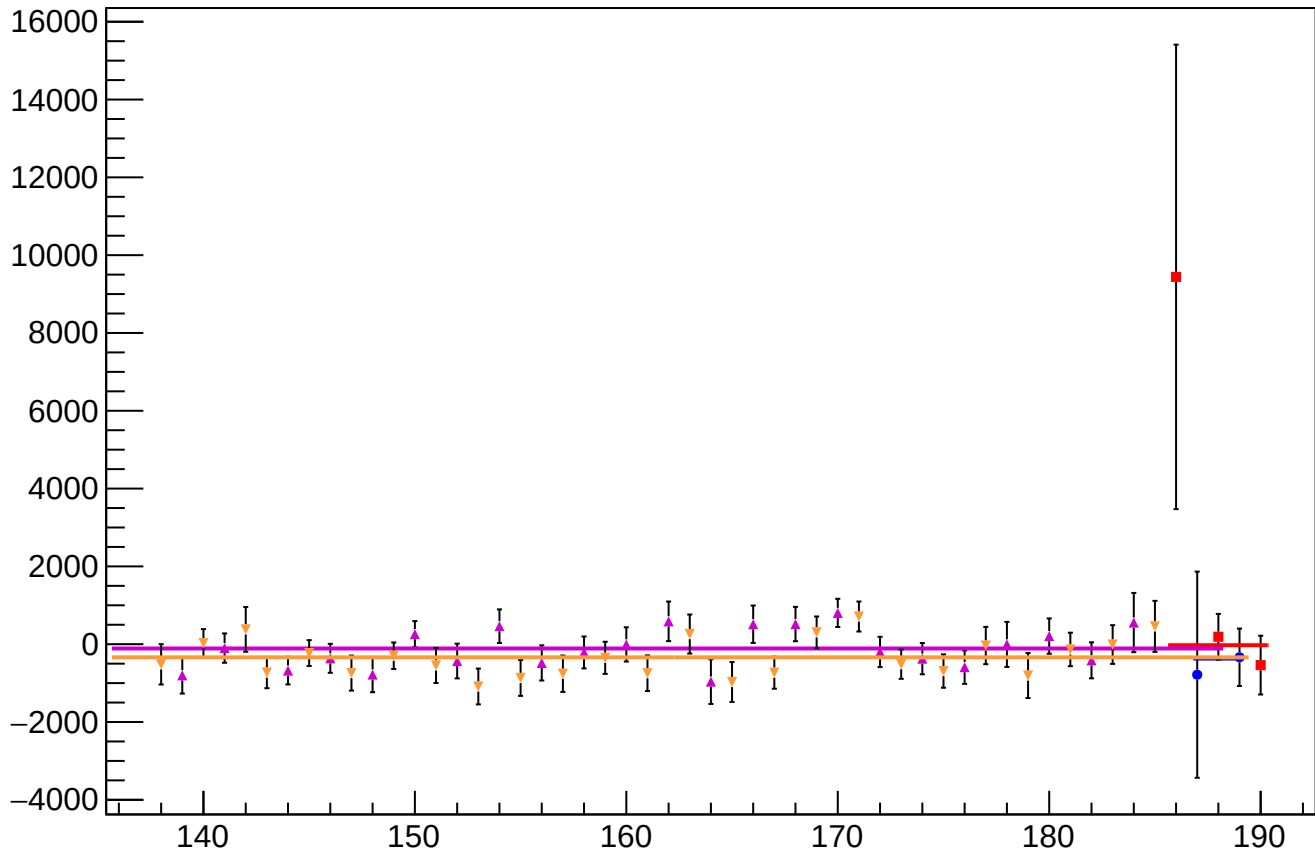
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 367.369 $\pm$ 0.060 χ^2 /NDF: 775702.7/26

All: 369.824 $\pm$ 0.043 χ^2 /NDF: 2028880.0/52

- sign 372.373 $\pm$ 0.062 χ^2 /NDF: 1249810.5/25

asym_sam_37_48_dd_mean vs Slug



Right In: -368.775+/-711.398 χ^2 /NDF: 0.0/1

Left Out: -338.528+/-87.450 χ^2 /NDF:28.2/24

Right Out: -26.639+/-462.585 χ^2 /NDF: 3.1/2

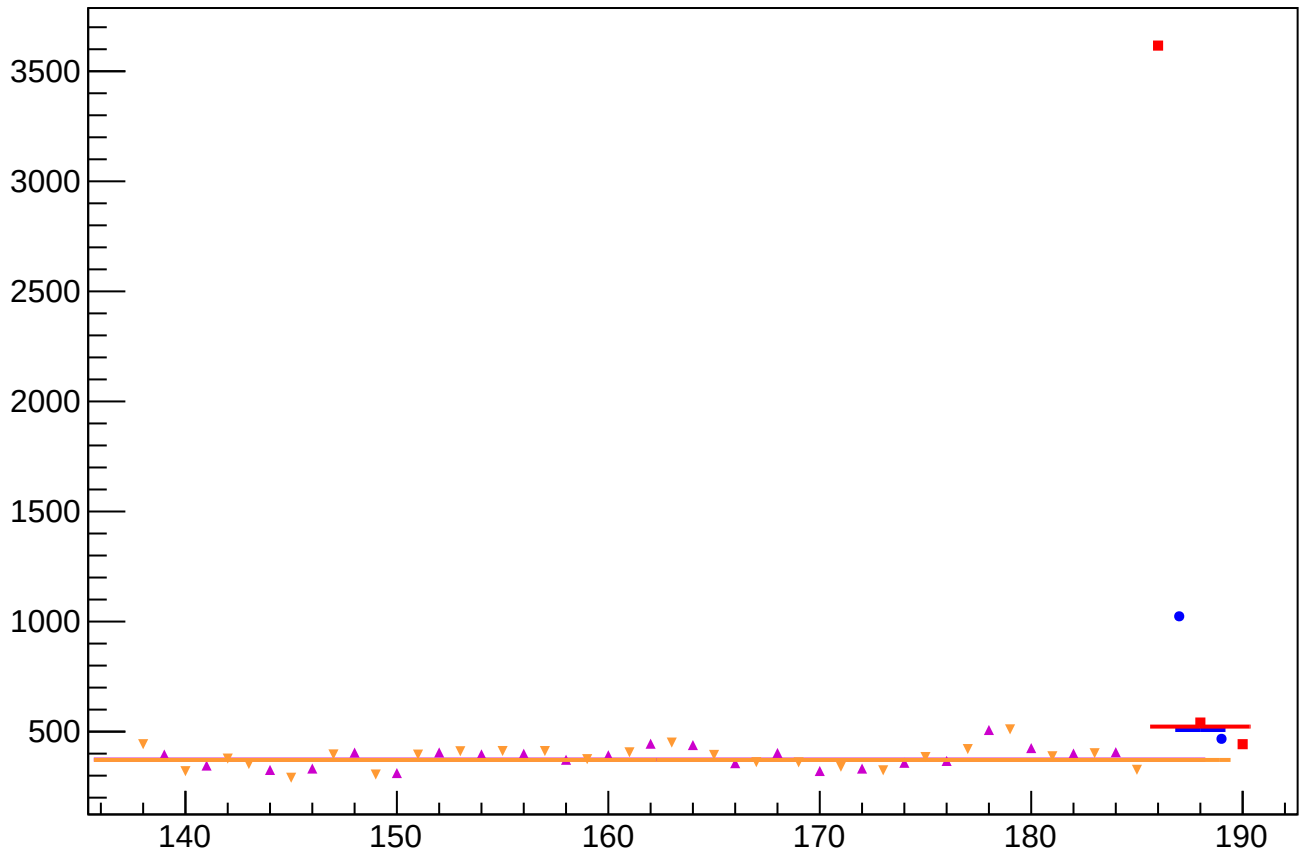
Left In: -110.341+/-90.084 χ^2 /NDF:29.2/22

+ sign -338.978+/-86.797 χ^2 /NDF: 28.2/26

All: -225.280+/-61.941 χ^2 /NDF: 64.1/52

- sign -107.282+/-88.423 χ^2 /NDF: 32.4/25

asym_sam_37_48_dd_rms vs Slug



Right In: 507.362 $\pm$ 0.503 χ^2/NDF : 81851.1/1

Left Out: 371.356 $\pm$ 0.062 χ^2/NDF : 604070.6/24

Right Out: 522.831 $\pm$ 0.327 χ^2/NDF : 561561.6/2

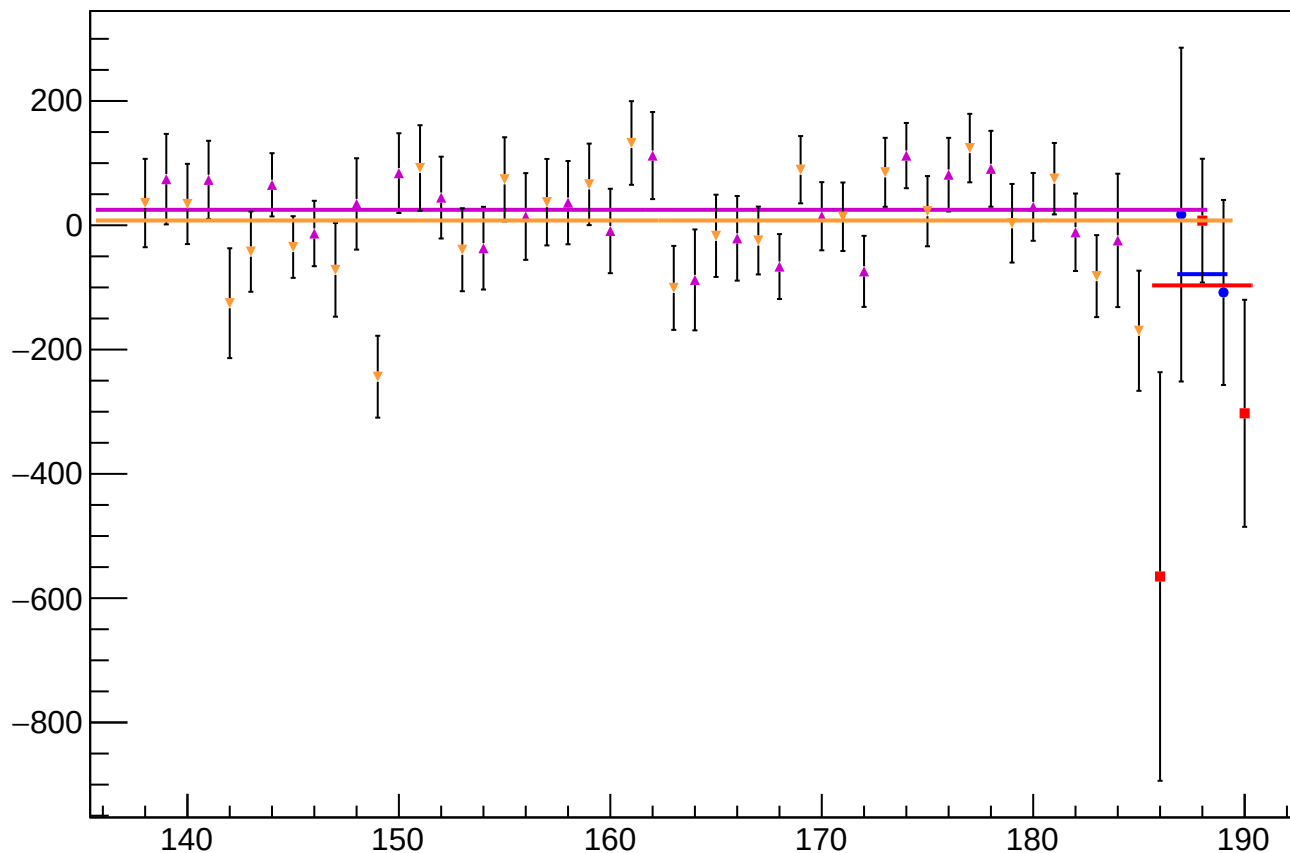
Left In: 372.938 $\pm$ 0.064 χ^2/NDF : 467340.9/22

+ sign 373.380 $\pm$ 0.061 χ^2/NDF : 757934.0/26

All: 375.851 $\pm$ 0.044 χ^2/NDF : 1992462.1/52

- sign 378.415 $\pm$ 0.063 χ^2/NDF : 1231226.7/25

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -78.659 ± 130.183 χ^2/NDF : 0.2/1

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -96.729 ± 84.496 χ^2/NDF : 4.4/2

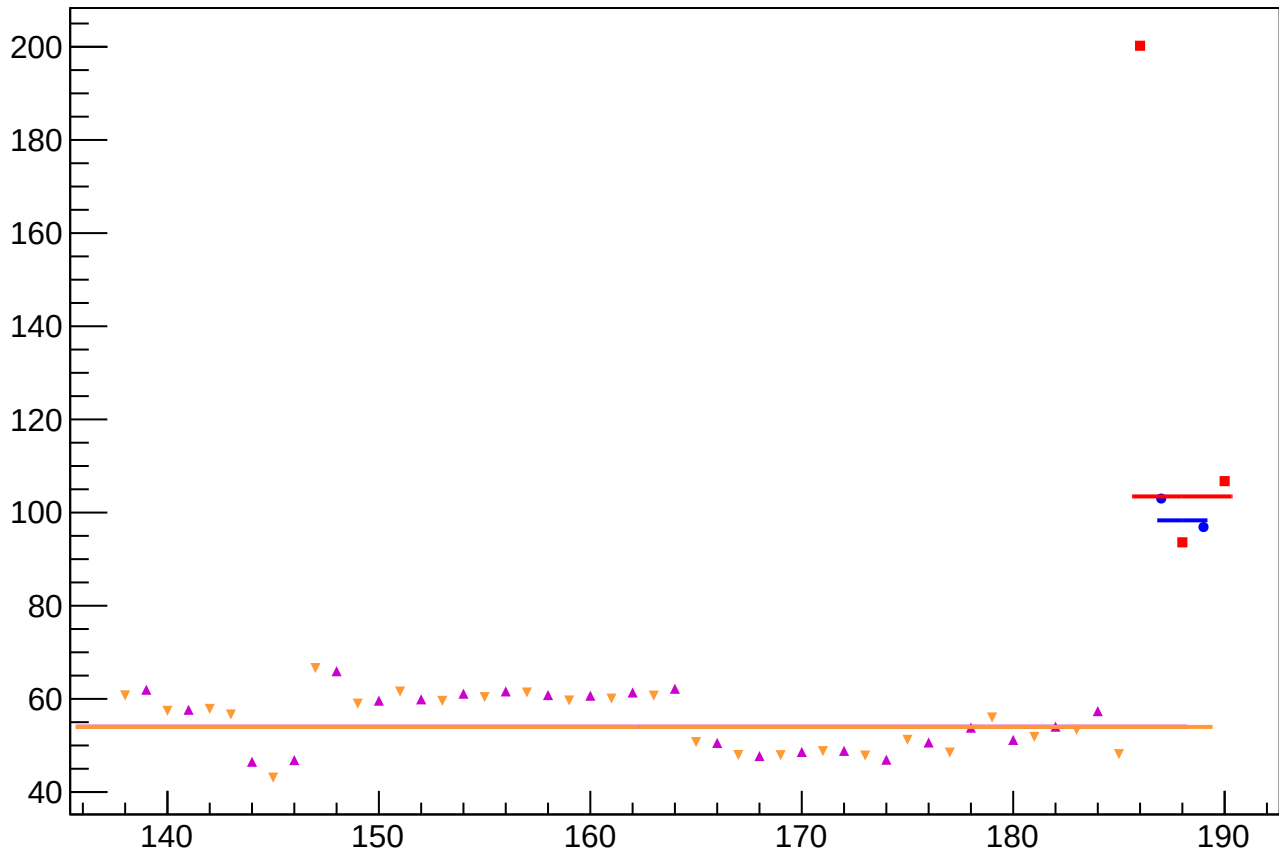
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 6.915 ± 12.596 χ^2/NDF : 46.0/26

All: 14.322 ± 9.004 χ^2/NDF : 72.9/52

- sign 22.063 ± 12.877 χ^2/NDF : 26.2/25

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 98.331+/-0.092 χ^2/NDF : 795.0/1

Left Out: 53.984+/-0.009 χ^2/NDF : 458972.1/24

Right Out: 103.469+/-0.060 χ^2/NDF : 193489.5/2

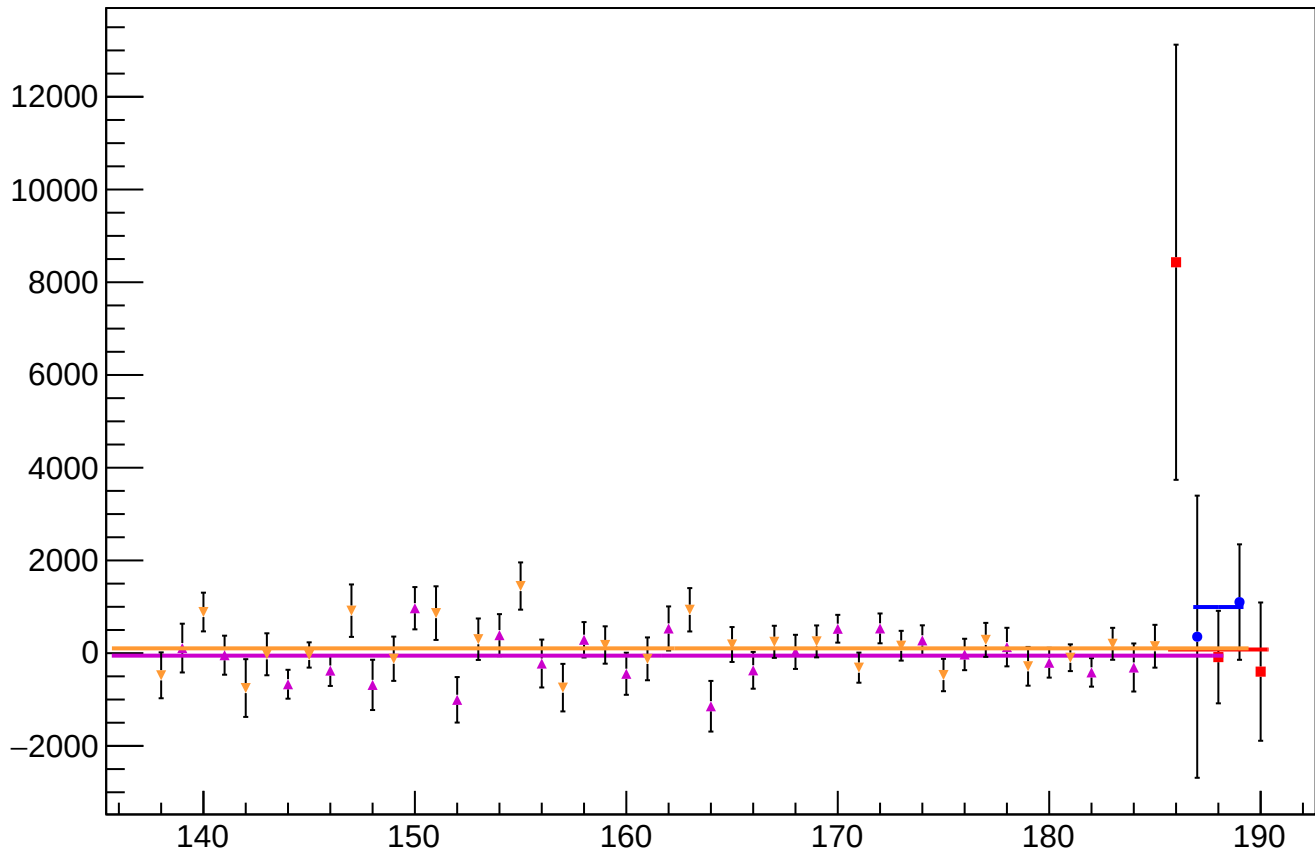
Left In: 54.028+/-0.009 χ^2/NDF : 443819.5/22

+ sign 54.399+/-0.009 χ^2/NDF : 689685.0/26

All: 54.779+/-0.006 χ^2/NDF : 1999561.6/52

- sign 55.176+/-0.009 χ^2/NDF : 1306155.3/25

asym_sam_15_26_dd_correction_mean vs Slug



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: 79.218 $\pm$ 816.569 χ^2 /NDF: 3.3/2

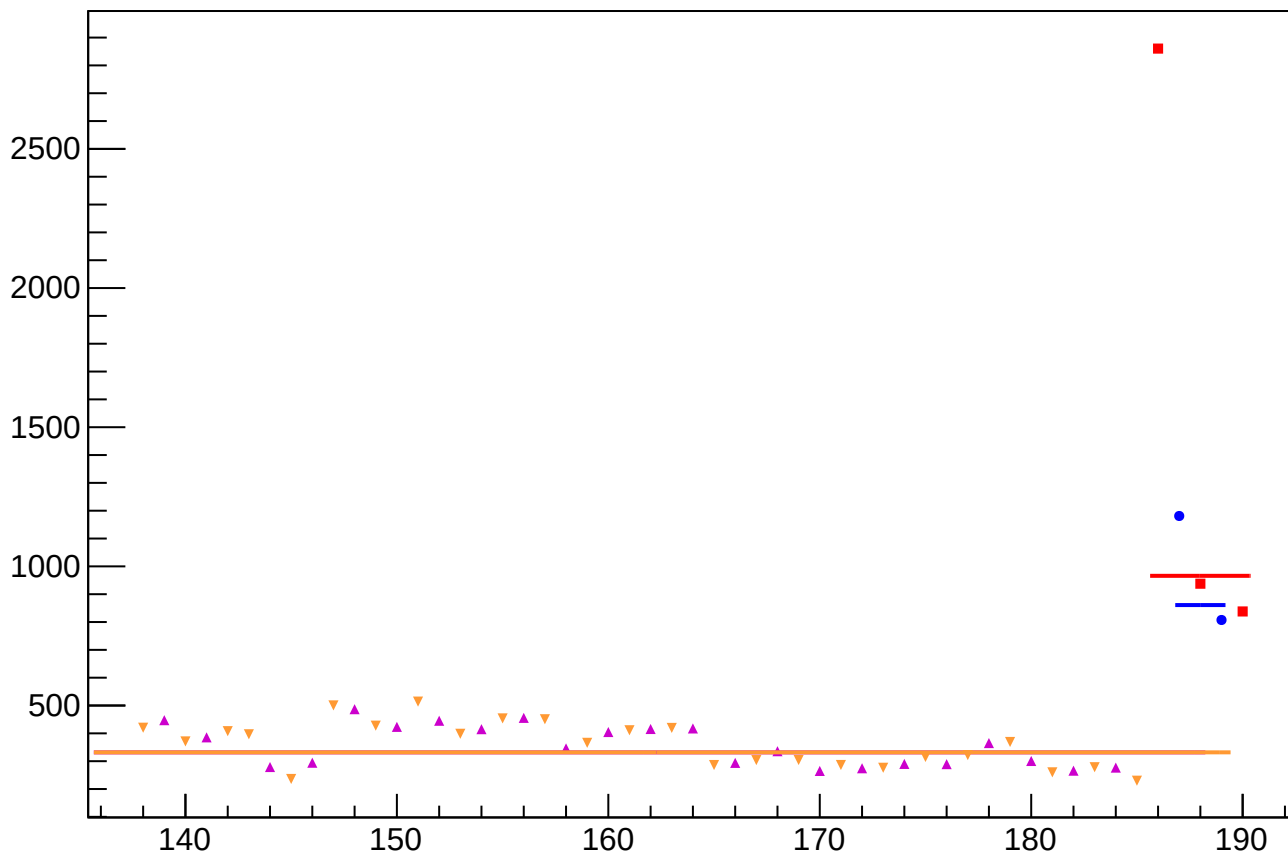
Left In: -53.493 $\pm$ 81.201 χ^2 /NDF: 34.1/22

+ sign 107.972 $\pm$ 79.157 χ^2 /NDF: 31.6/26

All: 29.537 $\pm$ 56.545 χ^2 /NDF: 71.0/52

- sign -52.193 $\pm$ 80.803 χ^2 /NDF: 37.4/25

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 860.959 $\pm$ 0.815 χ^2 /NDF: 25838.1/1

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 966.014 $\pm$ 0.577 χ^2 /NDF: 342263.4/2

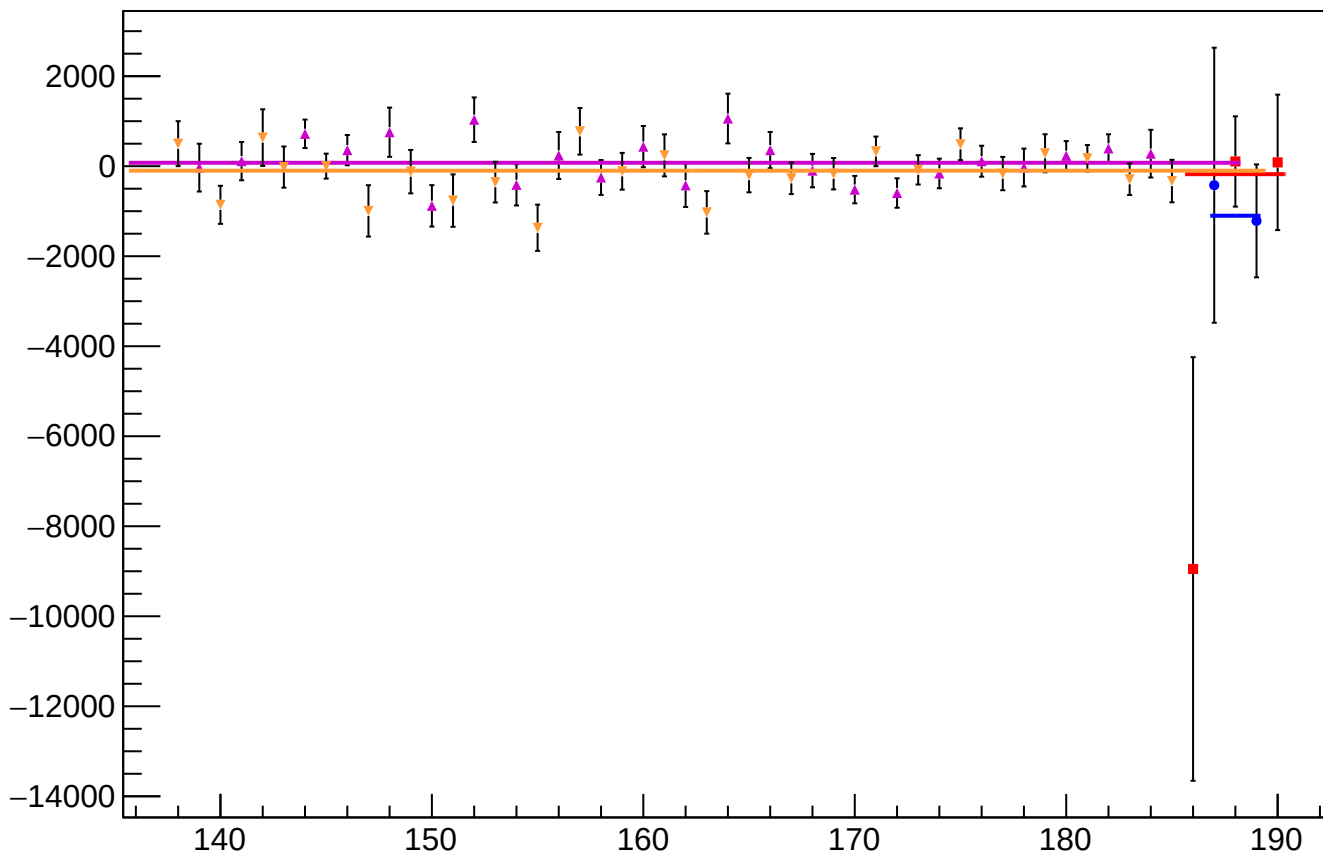
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 334.267 $\pm$ 0.056 χ^2 /NDF: 2157332.9/26

All: 336.035 $\pm$ 0.040 χ^2 /NDF: 4999984.0/52

- sign 337.877 $\pm$ 0.057 χ^2 /NDF: 2840614.2/25

asym_sam_15_26_dd_mean vs Slug



Right In: -1100.655 ± 1160.505 χ^2/NDF : 0.1/1

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -177.216 ± 821.787 χ^2/NDF : 3.6/2

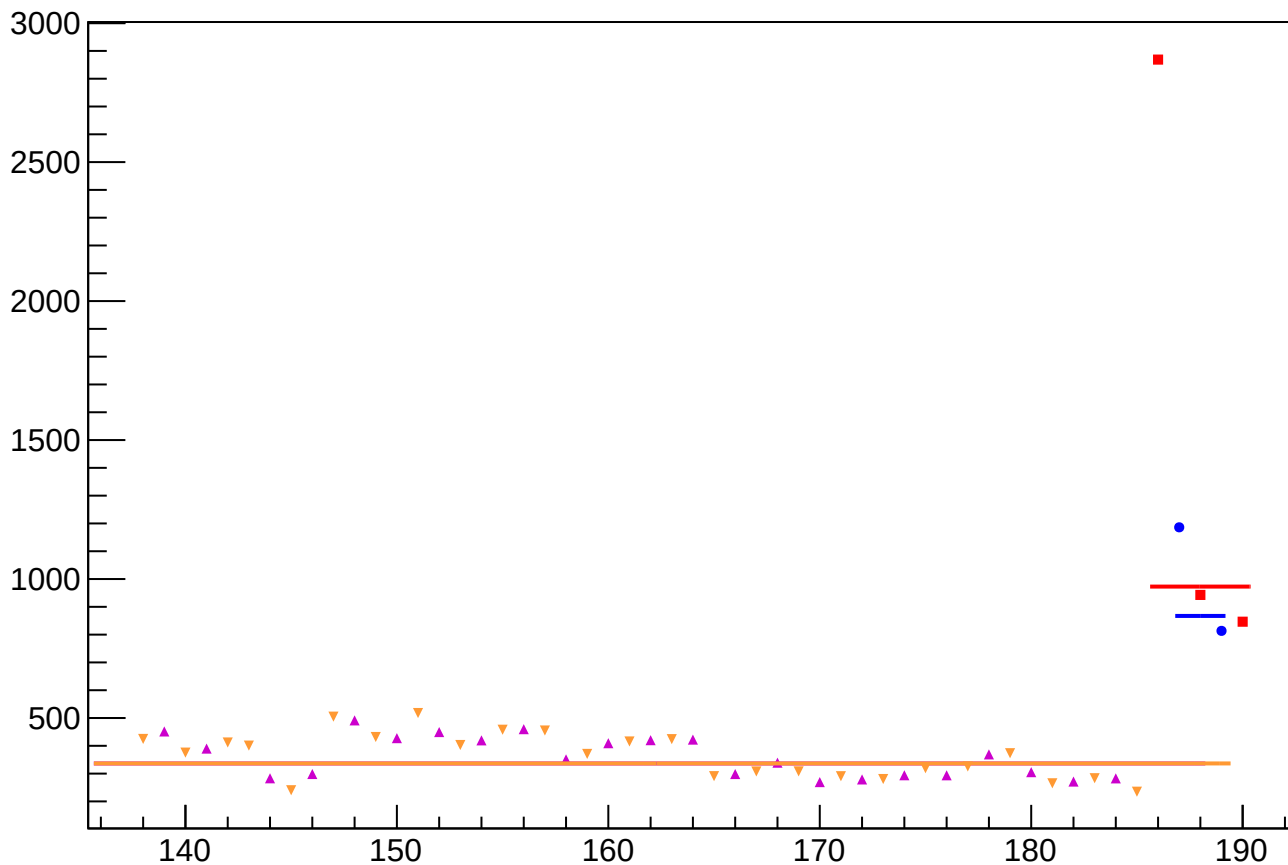
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -104.569 ± 80.235 χ^2/NDF : 31.5/26

All: -17.584 ± 57.317 χ^2/NDF : 69.6/52

- sign 73.068 ± 81.909 χ^2/NDF : 35.8/25

asym_sam_15_26_dd_rms vs Slug



Right In: 867.257 $\pm$ 0.821 χ^2 /NDF: 25434.4/1

Left Out: 336.557 $\pm$ 0.057 χ^2 /NDF: 1665919.4/24

Right Out: 972.830 $\pm$ 0.581 χ^2 /NDF: 340480.6/2

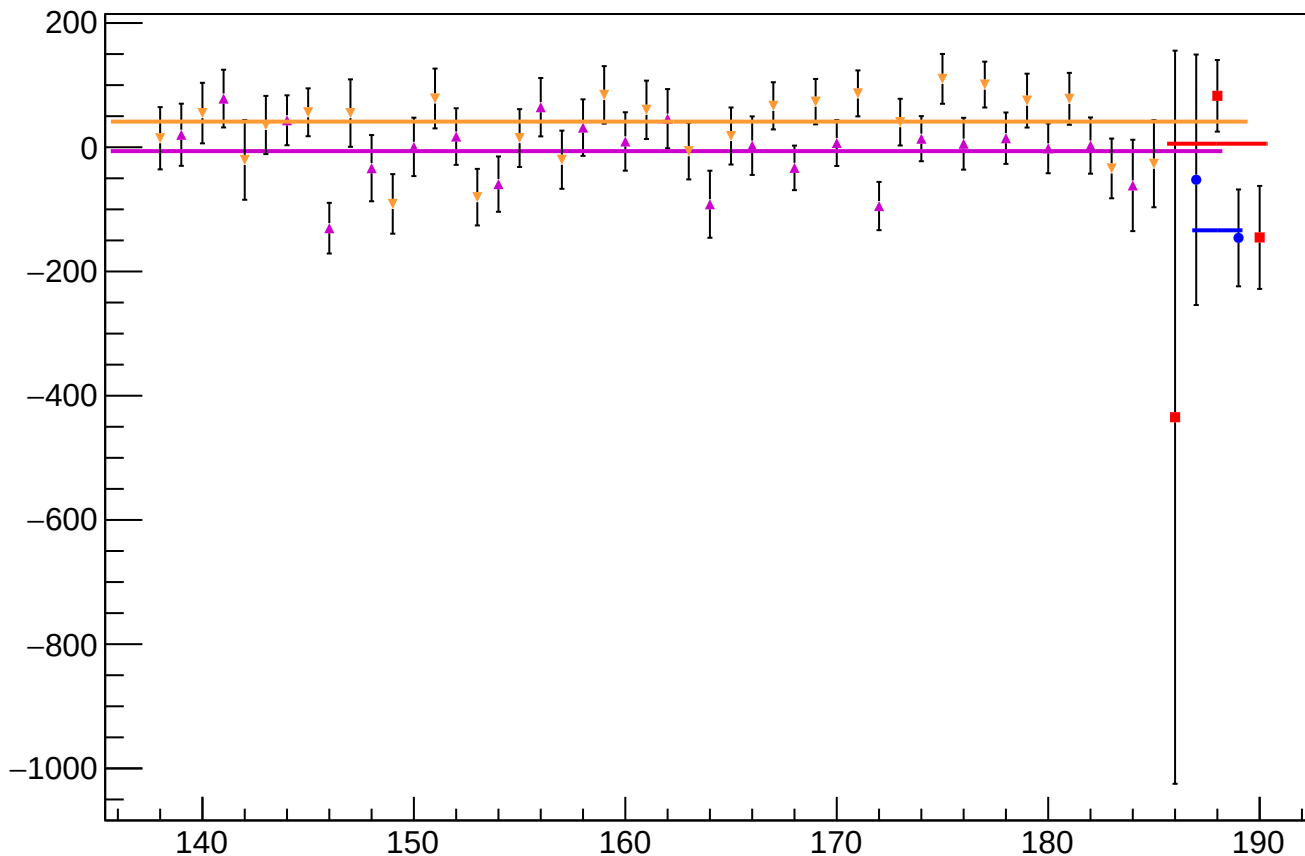
Left In: 336.439 $\pm$ 0.058 χ^2 /NDF: 1269066.3/22

+ sign 339.094 $\pm$ 0.057 χ^2 /NDF: 2107601.1/26

All: 340.890 $\pm$ 0.041 χ^2 /NDF: 4906664.0/52

- sign 342.762 $\pm$ 0.058 χ^2 /NDF: 2797016.9/25

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -133.739 ± 72.724 χ^2/NDF : 0.2/1

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: 5.689 ± 47.158 χ^2/NDF : 5.7/2

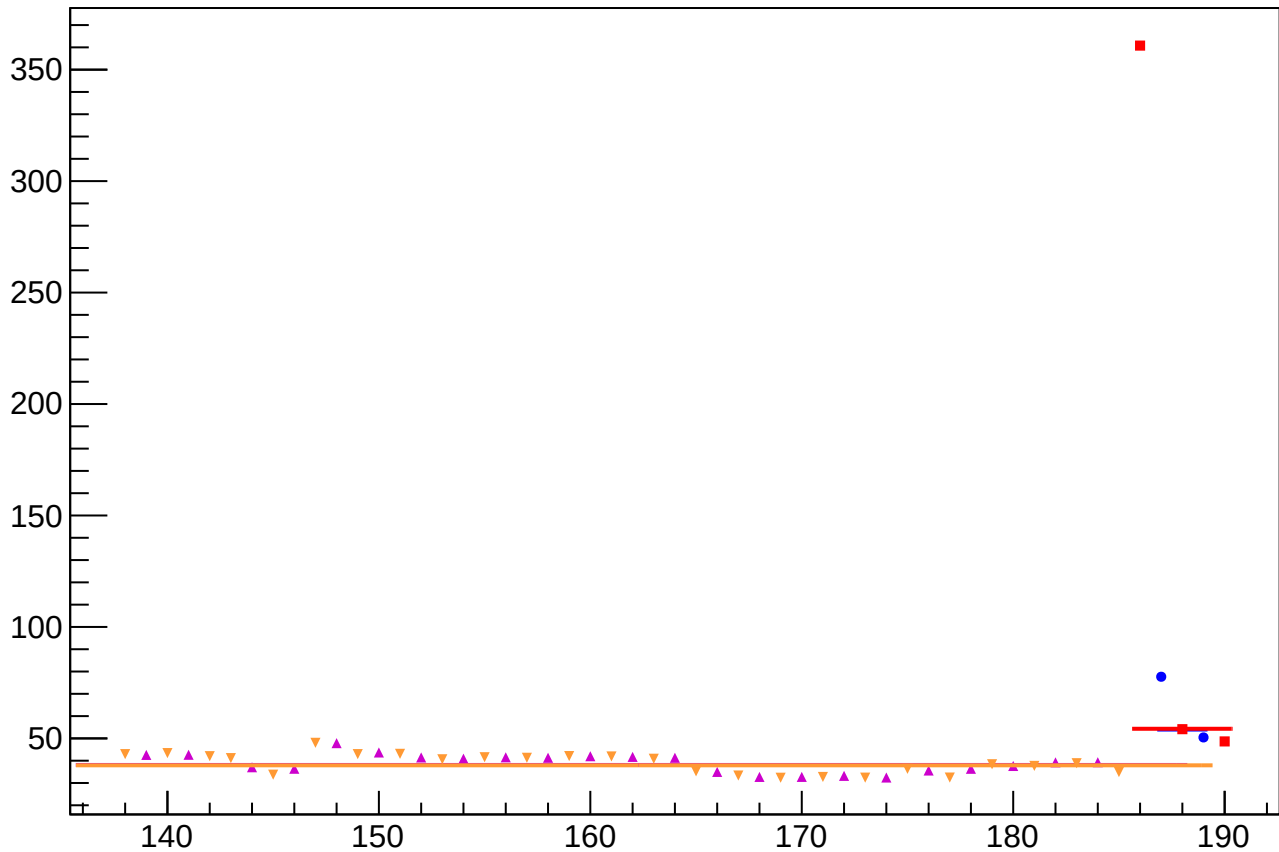
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 38.707 ± 8.824 χ^2/NDF : 40.3/26

All: 16.899 ± 6.303 χ^2/NDF : 88.7/52

- sign -5.818 ± 9.006 χ^2/NDF : 36.0/25

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 53.976 $\pm$ 0.051 χ^2 /NDF: 31724.0/1

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 54.320 $\pm$ 0.033 χ^2 /NDF: 548799.5/2

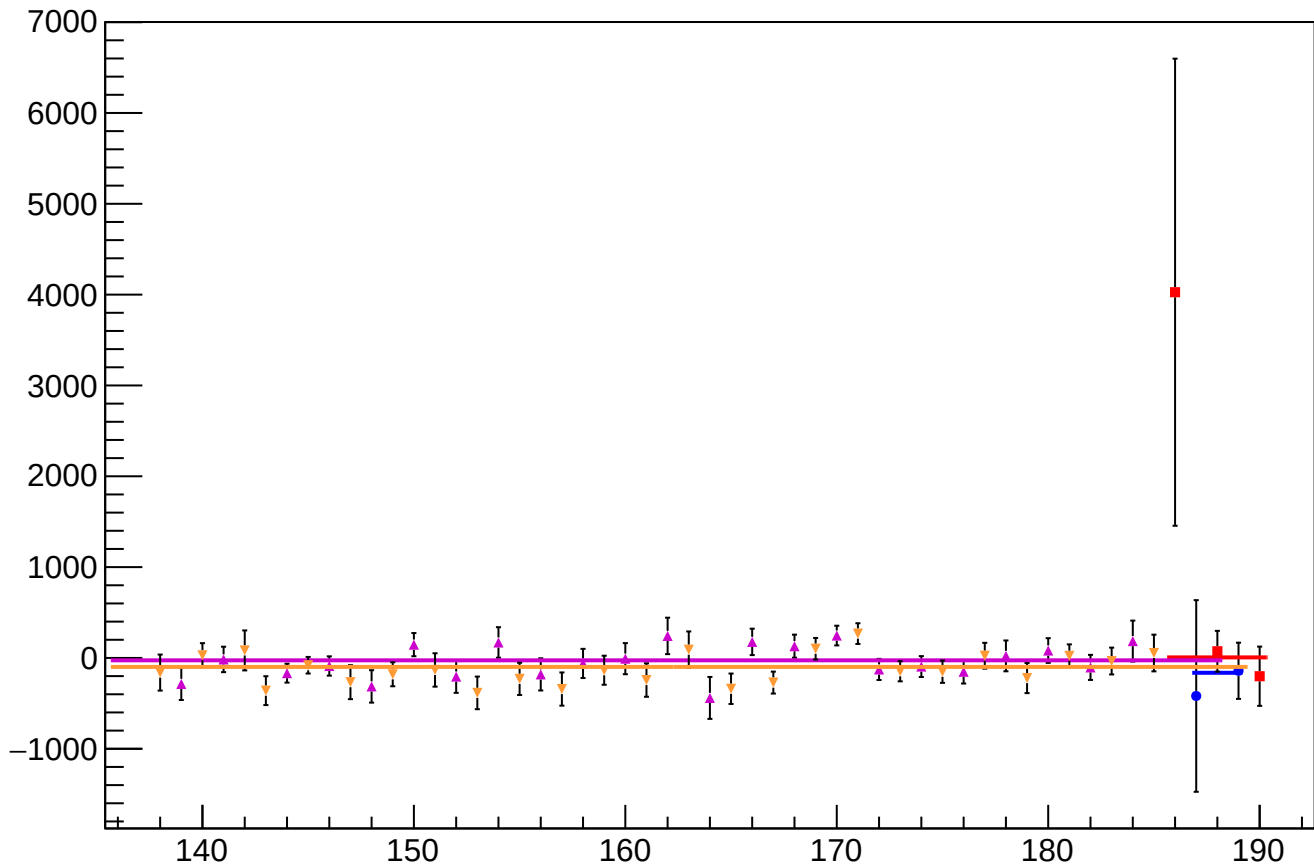
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 38.161 $\pm$ 0.006 χ^2 /NDF: 614799.4/26

All: 38.415 $\pm$ 0.004 χ^2 /NDF: 1791623.3/52

- sign 38.679 $\pm$ 0.006 χ^2 /NDF: 1173449.0/25

asym_sam_37_26_dd_correction_mean vs Slug



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: 6.021 $\pm$ 184.482 χ^2 /NDF: 2.9/2

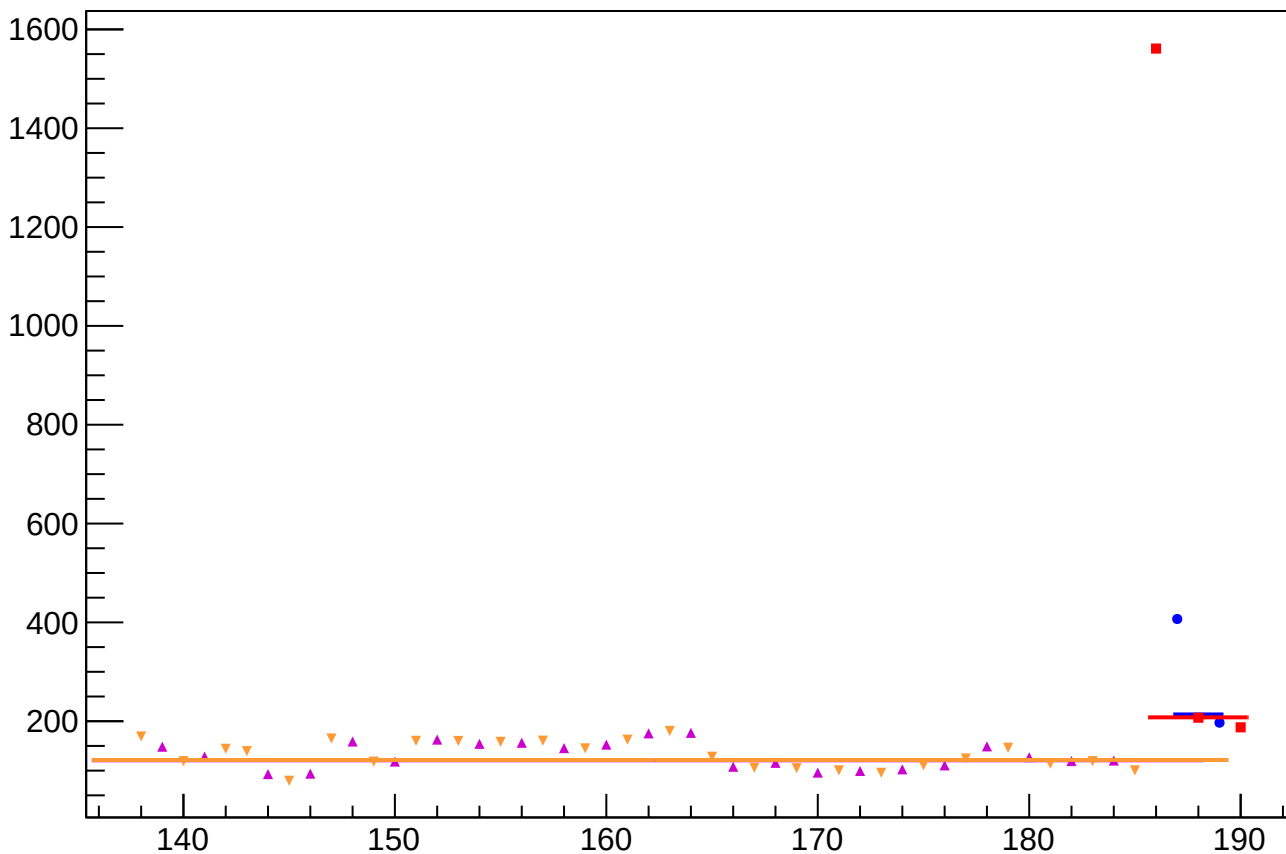
Left In: -26.223 $\pm$ 29.676 χ^2 /NDF:30.7/22

+ sign -99.356 $\pm$ 28.956 χ^2 /NDF: 32.9/26

All: -62.817 $\pm$ 20.595 χ^2 /NDF: 69.7/52

- sign -25.409 $\pm$ 29.299 χ^2 /NDF: 33.6/25

asym_sam_37_26_dd_correction_rms vs Slug



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: 207.813 $\pm$ 0.130 χ^2 /NDF: 561747.2/2

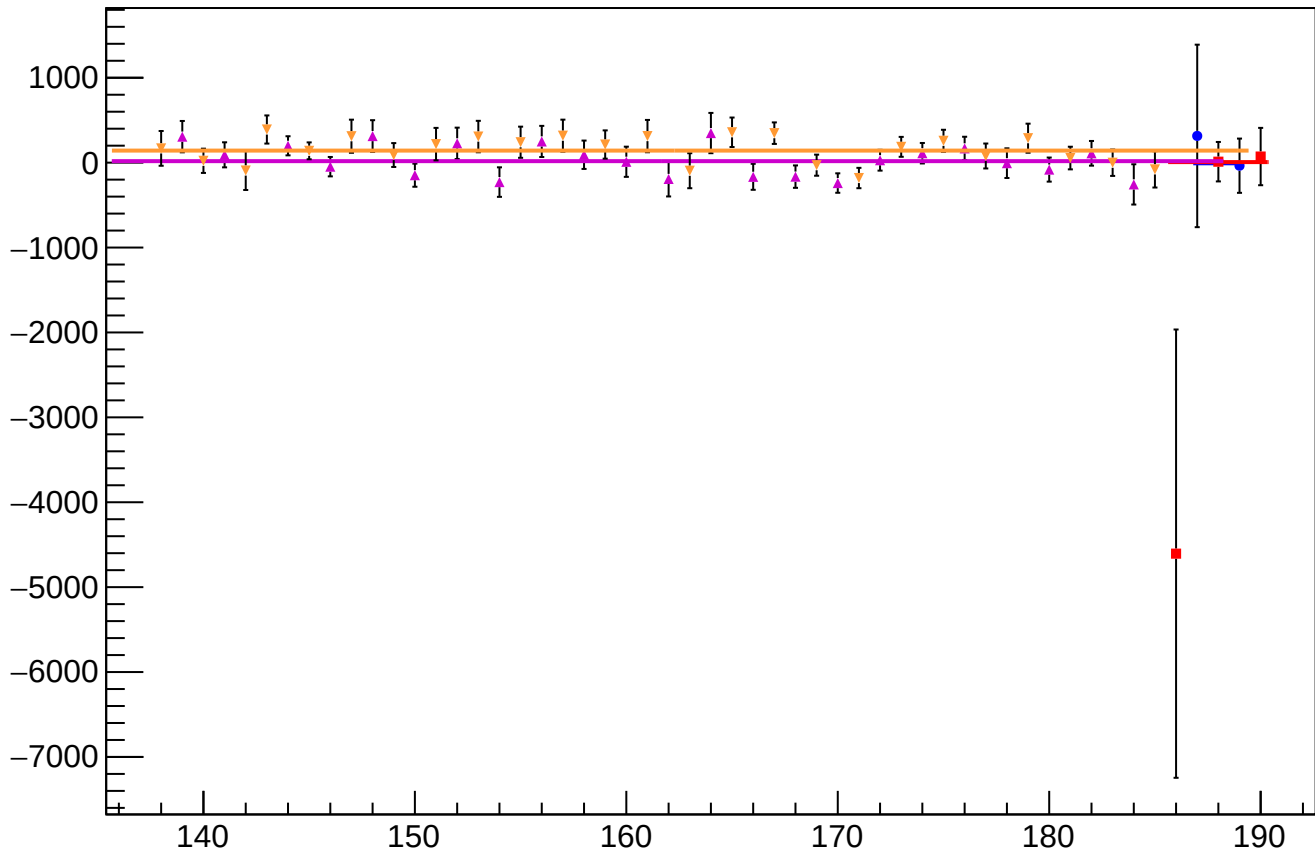
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF: 1382861.4/22

+ sign 122.468 $\pm$ 0.020 χ^2 /NDF: 1974894.8/26

All: 122.789 $\pm$ 0.015 χ^2 /NDF: 4352446.9/52

- sign 123.118 $\pm$ 0.021 χ^2 /NDF: 2377053.8/25

asym_sam_37_26_dd_mean vs Slug



Right In: -7.544 ± 306.285 χ^2/NDF : 0.1/1

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: 6.536 ± 190.946 χ^2/NDF : 3.1/2

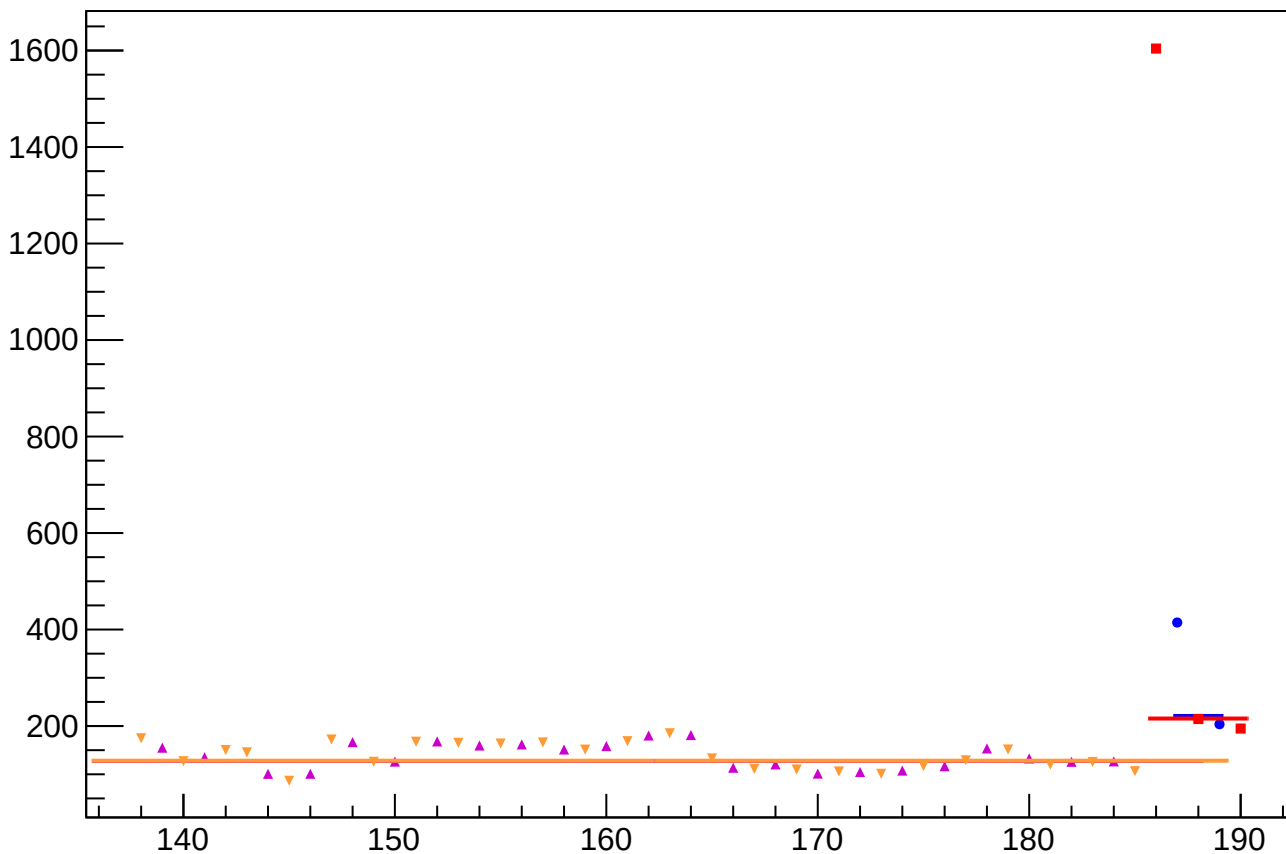
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 140.539 ± 30.423 χ^2/NDF : 27.2/26

All: 79.722 ± 21.644 χ^2/NDF : 68.5/52

- sign 17.389 ± 30.800 χ^2/NDF : 33.2/25

asym_sam_37_26_dd_rms vs Slug



Right In: 220.882 $\pm$ 0.217 χ^2 /NDF: 70683.2/1

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF: 1532922.0/24

Right Out: 215.565 $\pm$ 0.135 χ^2 /NDF: 560729.0/2

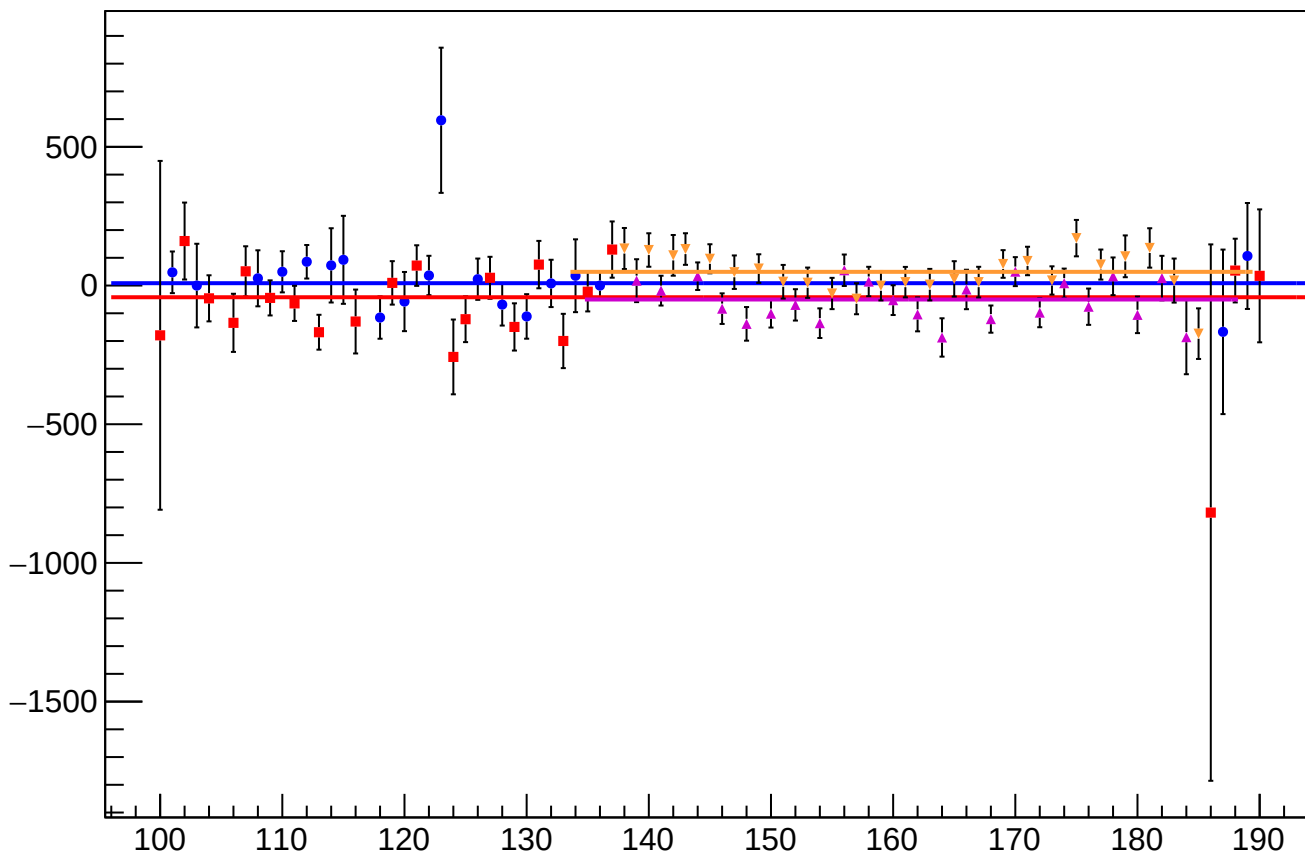
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF: 1235705.3/22

+ sign 129.090 $\pm$ 0.022 χ^2 /NDF: 1785030.5/26

All: 129.457 $\pm$ 0.015 χ^2 /NDF: 3995990.8/52

- sign 129.834 $\pm$ 0.022 χ^2 /NDF: 2210369.4/25

reg_asym_sam_1357_avg_mean vs Slug



Right In: 8.460 ± 20.028 χ^2/NDF : 15.0/18

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -42.186 ± 19.121 χ^2/NDF : 26.4/21

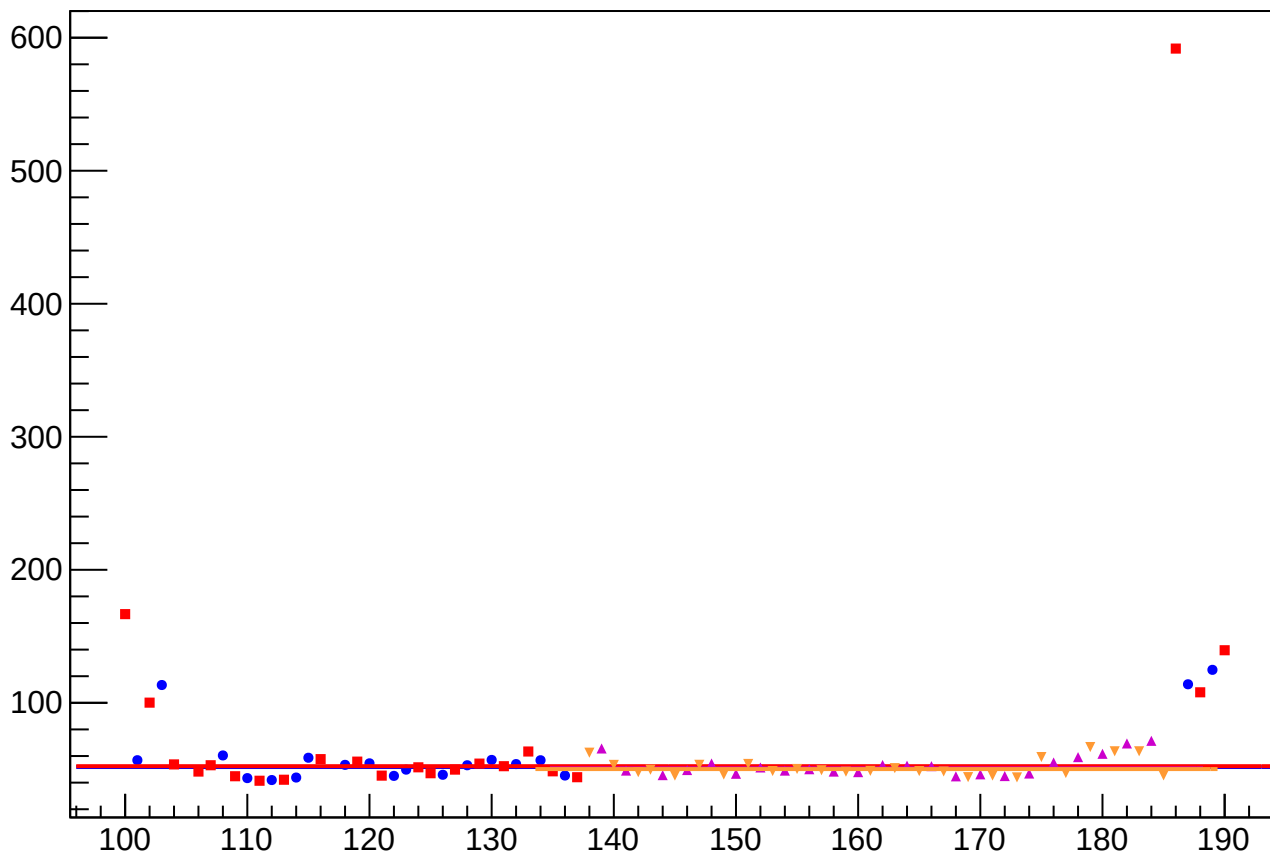
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 38.845 ± 10.170 χ^2/NDF : 46.1/43

All: -3.937 ± 7.243 χ^2/NDF : 140.8/88

- sign -47.960 ± 10.317 χ^2/NDF : 58.7/44

reg_asym_sam_1357_avg_rms vs Slug



Right In: 51.741 $\pm$ 0.014 χ^2 /NDF: 906771.4/18

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 52.365 $\pm$ 0.014 χ^2 /NDF: 1885643.8/21

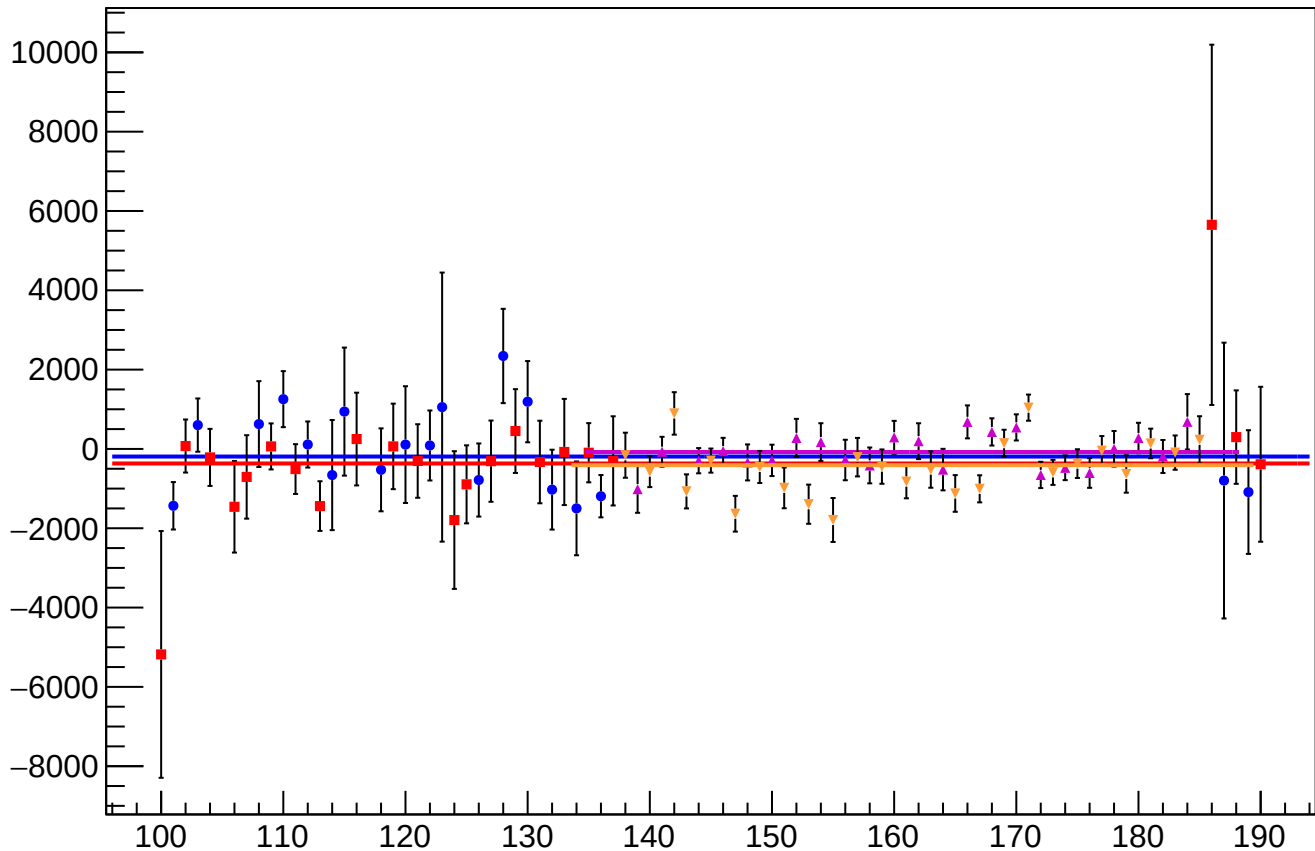
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 50.590 $\pm$ 0.007 χ^2 /NDF: 1383363.2/43

All: 50.877 $\pm$ 0.005 χ^2 /NDF: 3752502.2/88

- sign 51.173 $\pm$ 0.007 χ^2 /NDF: 2365900.1/44

asym_sam_1357_avg_correction_mean vs Slug



Right In: -191.928 ± 208.400 χ^2/NDF : 24.3/18

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -366.744 ± 199.798 χ^2/NDF : 11.7/21

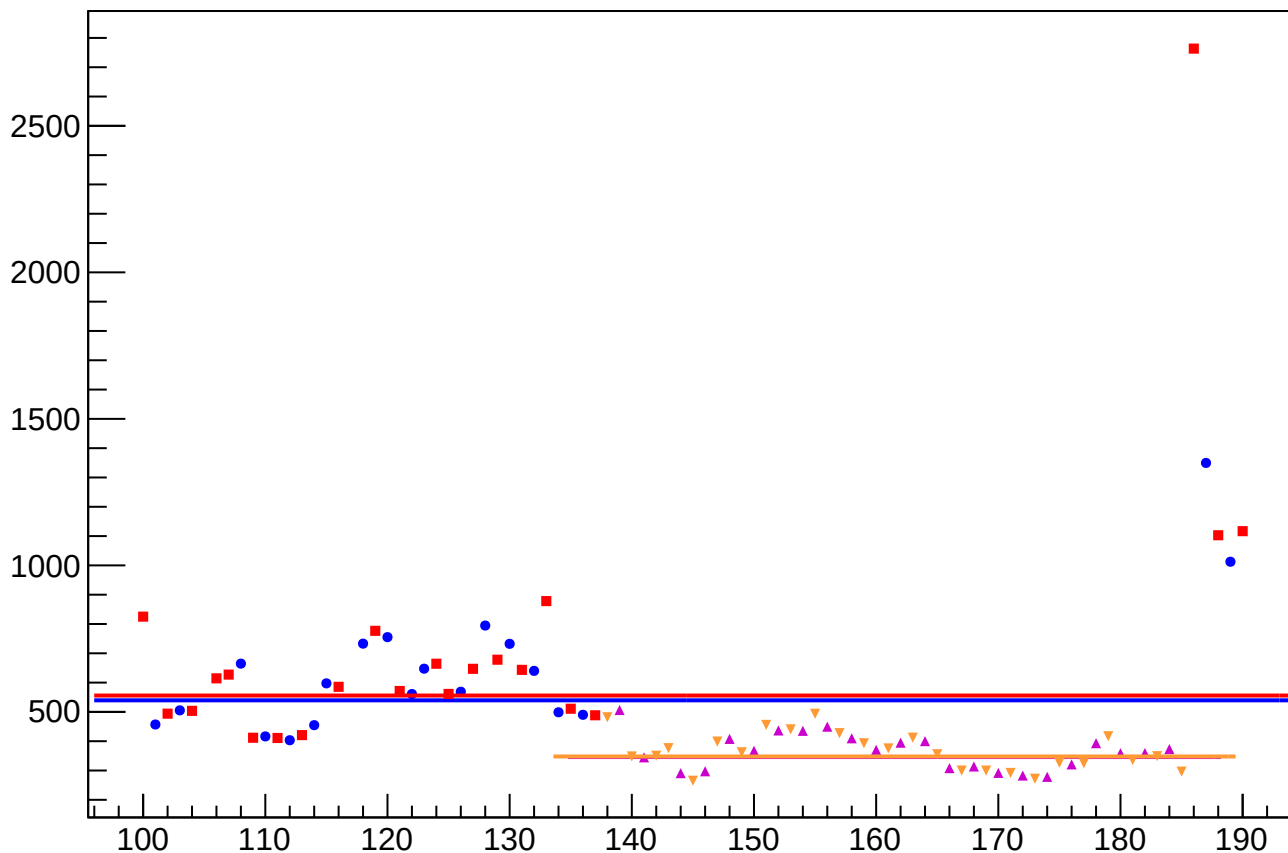
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -379.826 ± 76.586 χ^2/NDF : 86.9/43

All: -252.095 ± 54.472 χ^2/NDF : 130.8/88

- sign -121.326 ± 77.491 χ^2/NDF : 38.3/44

asym_sam_1357_avg_correction_rms vs Slug



Right In: 539.472 $\pm$ 0.147 χ^2 /NDF: 861944.5/18

Left Out: 347.875 $\pm$ 0.058 χ^2 /NDF:1044096.7/24

Right Out: 555.869 $\pm$ 0.141 χ^2 /NDF: 1728972.0/21

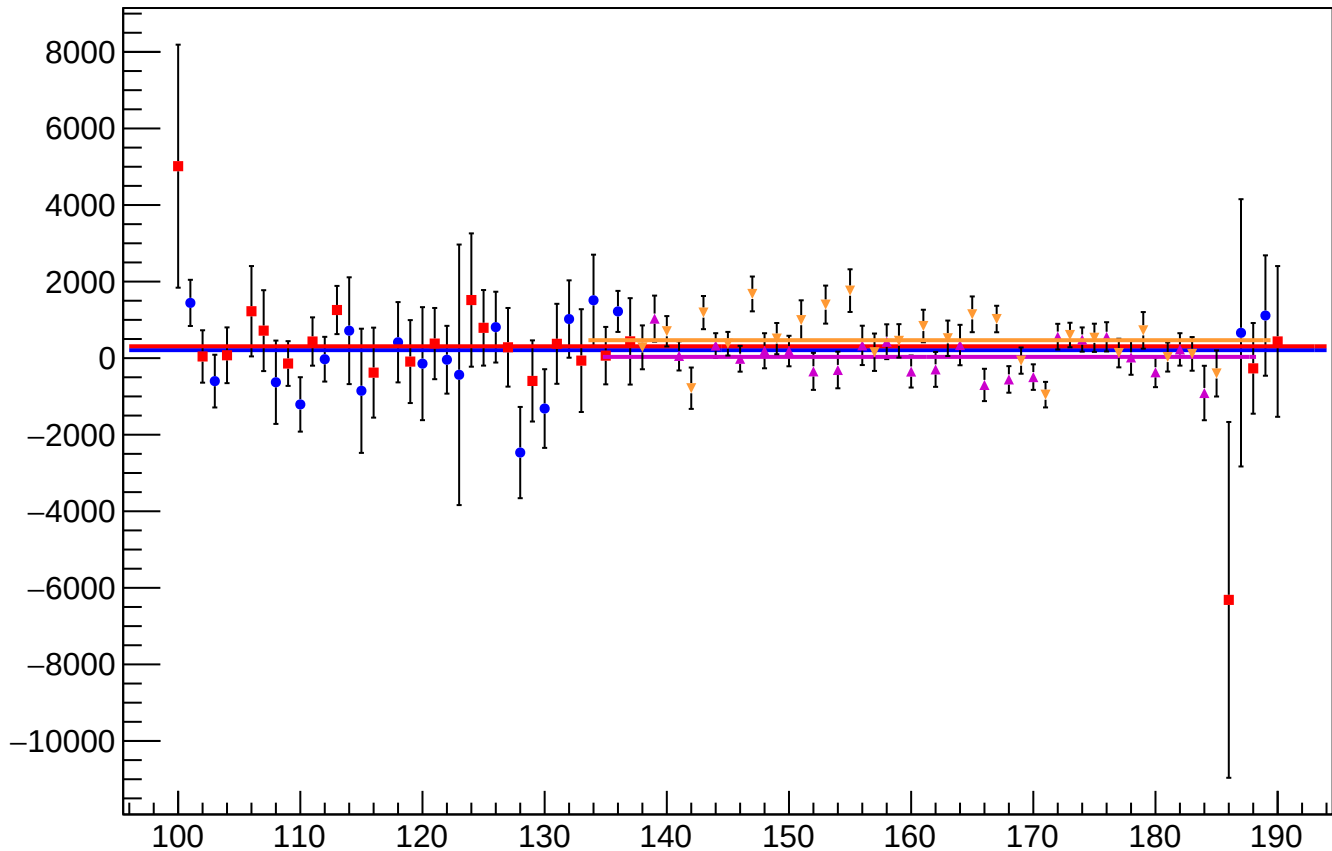
Left In: 345.954 $\pm$ 0.059 χ^2 /NDF:900847.0/22

+ sign 373.751 $\pm$ 0.054 χ^2 /NDF: 3368213.5/43

All: 375.619 $\pm$ 0.039 χ^2 /NDF: 7876002.8/88

- sign 377.531 $\pm$ 0.055 χ^2 /NDF: 4505382.0/44

asym_sam_1357_avg_mean vs Slug



Right In: 209.088 $\pm$ 209.870 χ^2 /NDF: 24.5/18

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF: 57.5/24

Right Out: 310.111 $\pm$ 201.336 χ^2 /NDF: 10.5/21

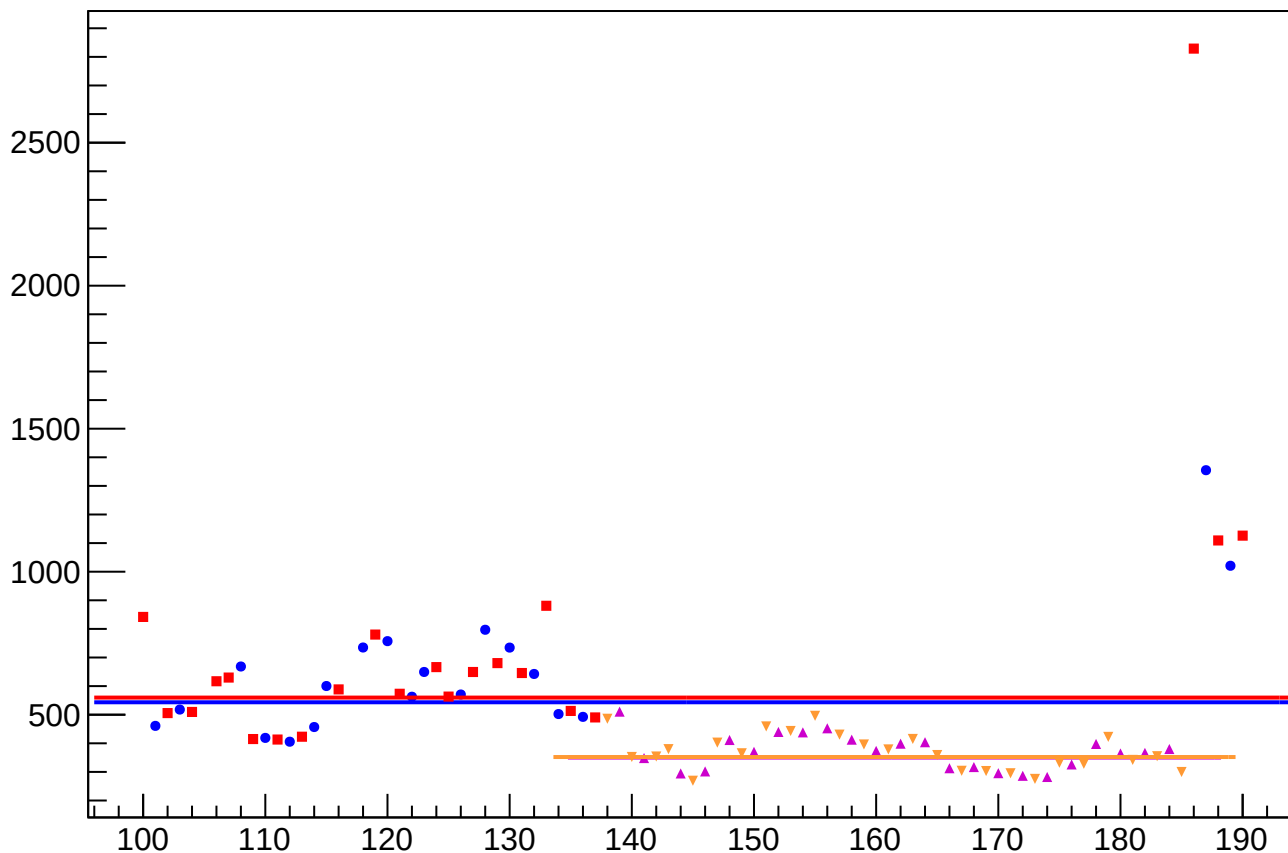
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 433.511 $\pm$ 77.421 χ^2 /NDF: 83.3/43

All: 256.314 $\pm$ 55.073 χ^2 /NDF: 131.7/88

- sign 74.804 $\pm$ 78.357 χ^2 /NDF: 37.8/44

asym_sam_1357_avg_rms vs Slug



Right In: 543.451+/-0.148 χ^2/NDF : 854377.5/18

Left Out: 352.015+/-0.059 χ^2/NDF :1017195.6/24

Right Out: 559.877+/-0.142 χ^2/NDF : 1725076.0/21

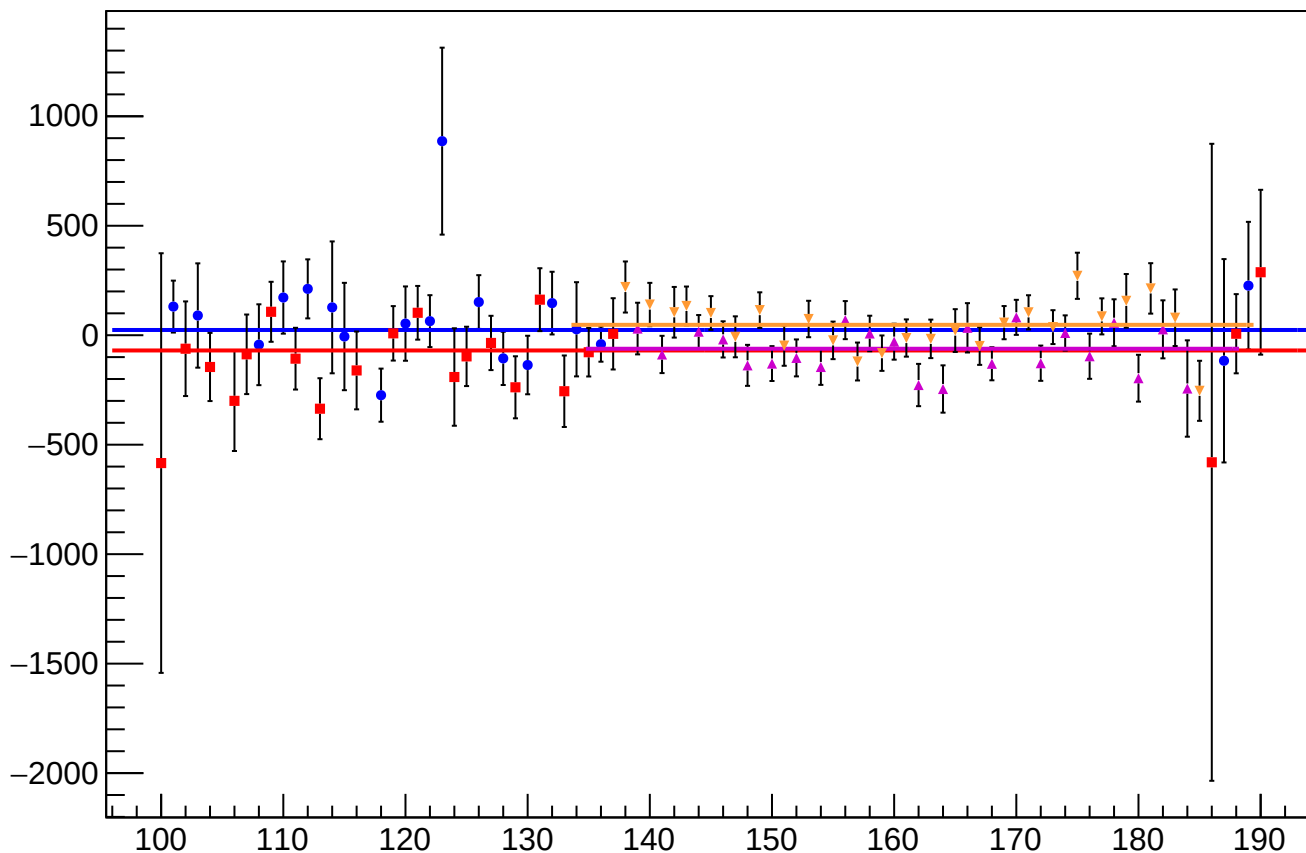
Left In: 350.160+/-0.060 χ^2/NDF :878380.0/22

+ sign 378.066+/-0.055 χ^2/NDF : 3309217.3/43

All: 379.973+/-0.039 χ^2/NDF : 7756413.8/88

- sign 381.925+/-0.055 χ^2/NDF : 4444742.3/44

reg_asym_sam_2468_avg_mean vs Slug



Right In: 23.911 $\pm$ 34.302 χ^2 /NDF: 19.8/18

Left Out: 47.426 $\pm$ 18.253 χ^2 /NDF: 29.4/24

Right Out: -69.617 $\pm$ 34.024 χ^2 /NDF: 16.7/21

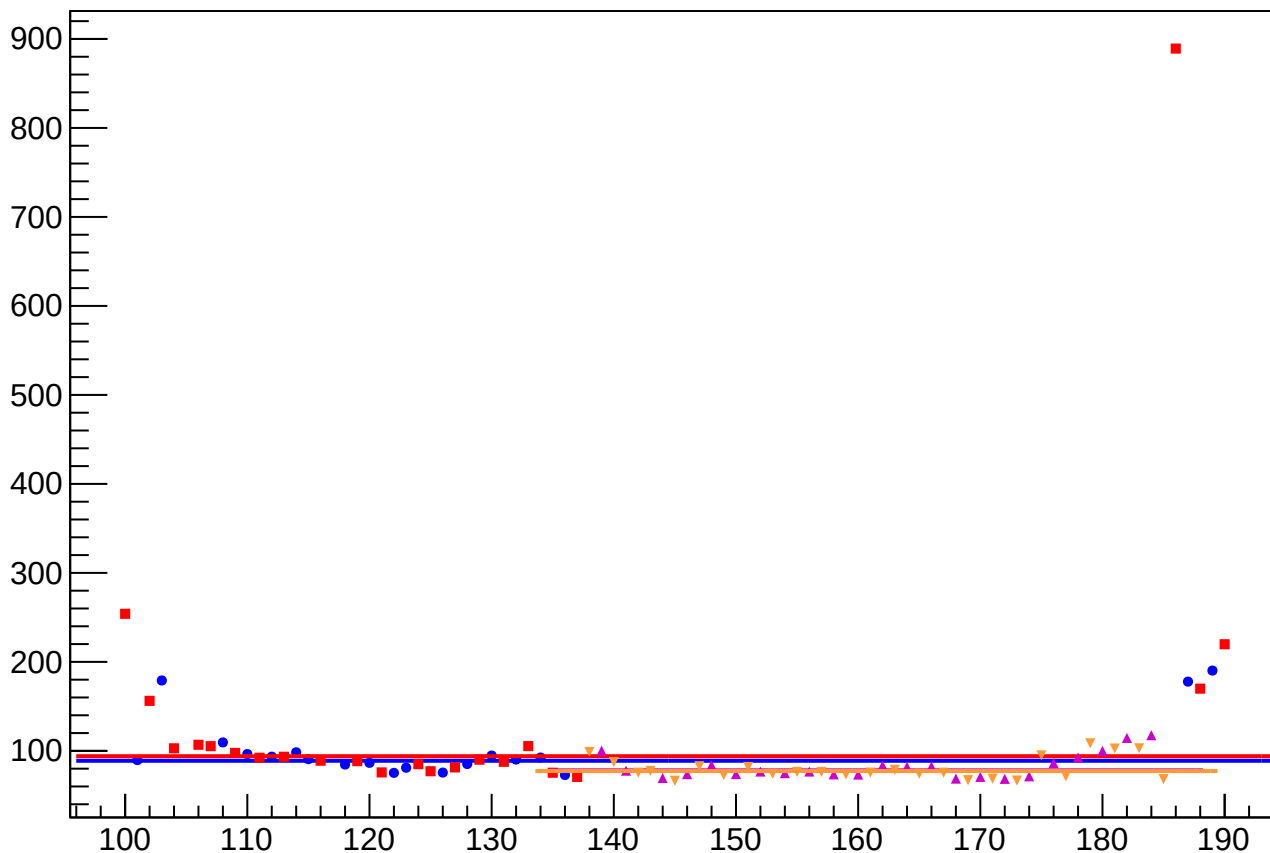
Left In: -61.830 $\pm$ 18.958 χ^2 /NDF: 24.0/22

+ sign 42.237 $\pm$ 16.113 χ^2 /NDF: 49.5/43

All: -9.270 $\pm$ 11.549 χ^2 /NDF: 111.2/88

- sign -63.674 $\pm$ 16.561 χ^2 /NDF: 40.7/44

reg_asym_sam_2468_avg_rms vs Slug



Right In: 88.875 ± 0.024 χ^2/NDF : 774946.5/18

Left Out: 77.316 ± 0.013 χ^2/NDF : 635622.3/24

Right Out: 94.014 ± 0.024 χ^2/NDF : 1633387.0/21

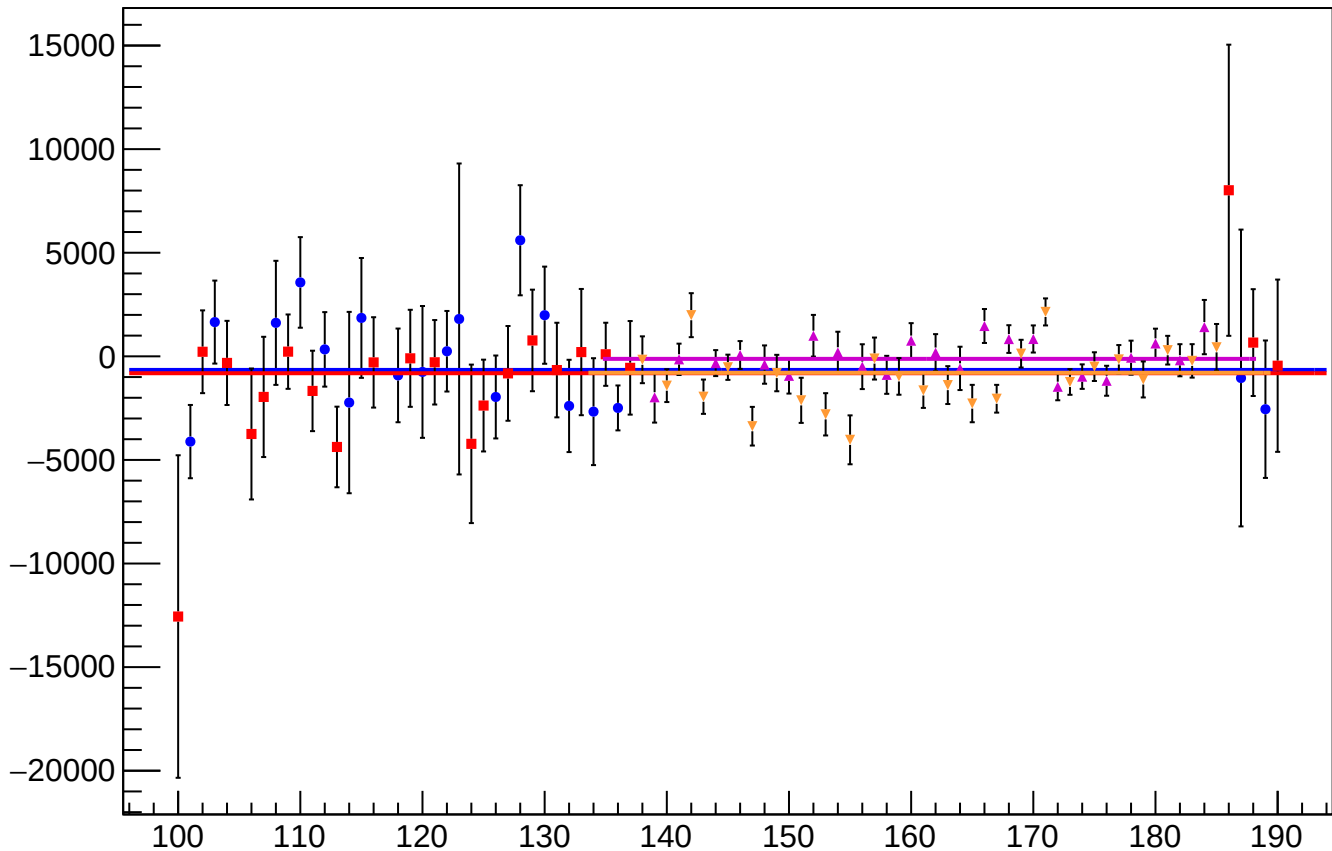
Left In: 78.139 ± 0.013 χ^2/NDF : 582108.1/22

+ sign 79.867 ± 0.011 χ^2/NDF : 1587559.9/43

All: 80.855 ± 0.008 χ^2/NDF : 4150781.4/88

- sign 81.900 ± 0.012 χ^2/NDF : 2547744.0/44

asym_sam_2468_avg_correction_mean vs Slug



Right In: -656.024 $\pm$ 510.704 χ^2 /NDF: 22.6/18

Left Out: -792.776 $\pm$ 162.659 χ^2 /NDF:66.6/24

Right Out: -815.561 $\pm$ 500.774 χ^2 /NDF: 11.8/21

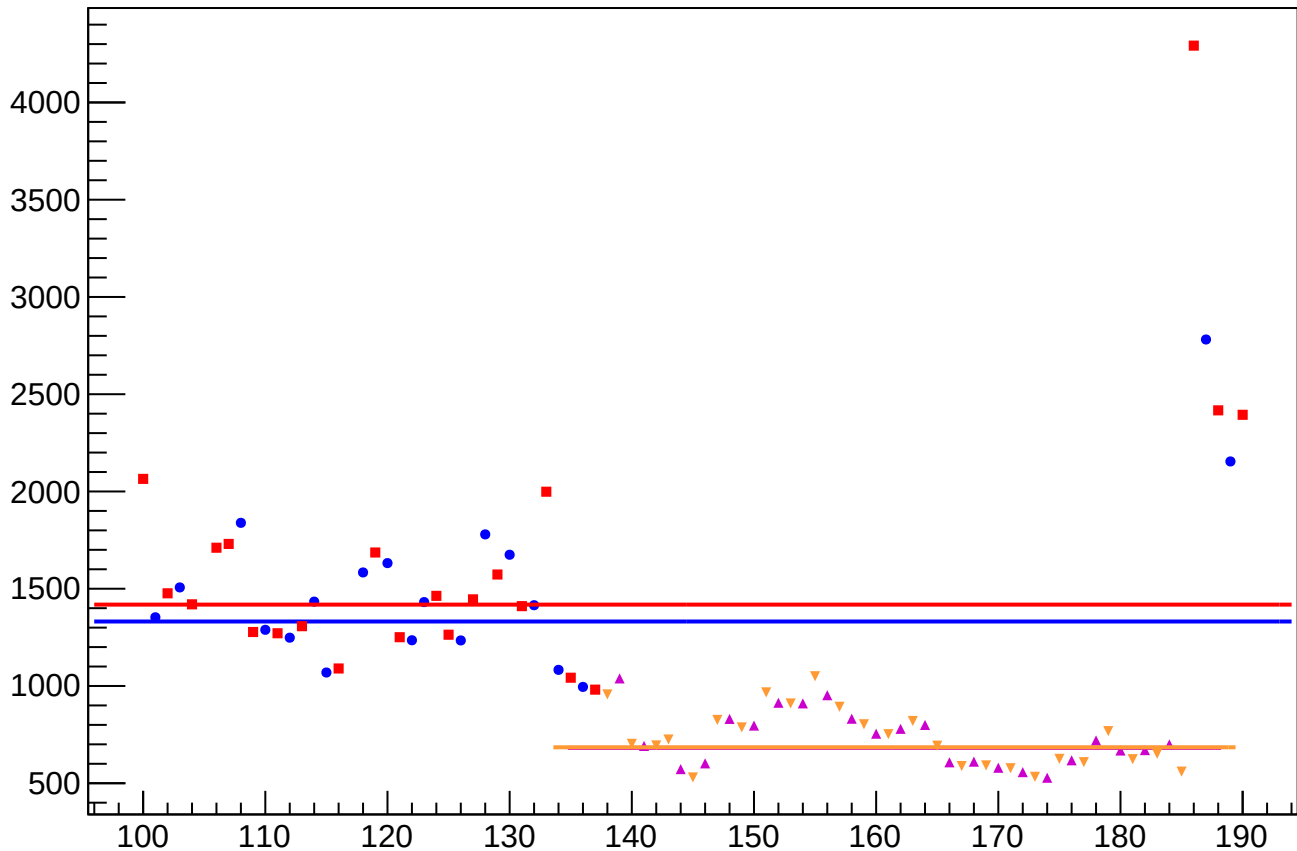
Left In: -122.198 $\pm$ 166.193 χ^2 /NDF:25.9/22

+ sign -780.181 $\pm$ 154.988 χ^2 /NDF: 89.3/43

All: -490.758 $\pm$ 110.551 χ^2 /NDF: 135.9/88

- sign -190.988 $\pm$ 157.734 χ^2 /NDF: 39.5/44

asym_sam_2468_avg_correction_rms vs Slug



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: 1418.317 $\pm$ 0.354 χ^2 /NDF: 1203832.4/21

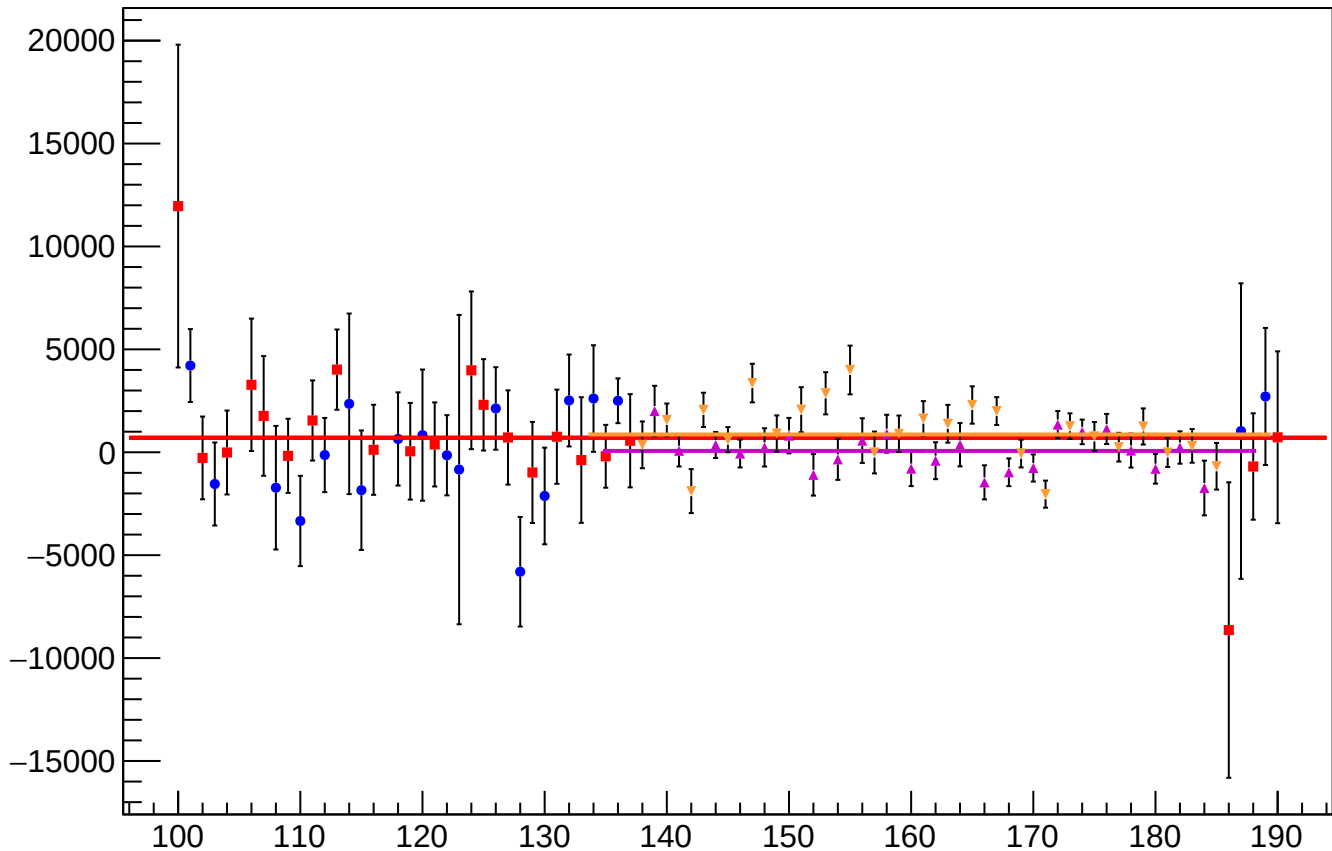
Left In: 681.712 $\pm$ 0.118 χ^2 /NDF: 1119637.0/22

+ sign 744.346 $\pm$ 0.110 χ^2 /NDF: 4858608.6/43

All: 749.477 $\pm$ 0.078 χ^2 /NDF: 11084507.0/88

- sign 754.793 $\pm$ 0.112 χ^2 /NDF: 6221434.9/44

asym_sam_2468_avg_mean vs Slug



Right In: 706.250 $\pm$ 512.173 χ^2 /NDF: 22.8/18

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF:62.8/24

Right Out: 706.104 $\pm$ 502.478 χ^2 /NDF: 10.9/21

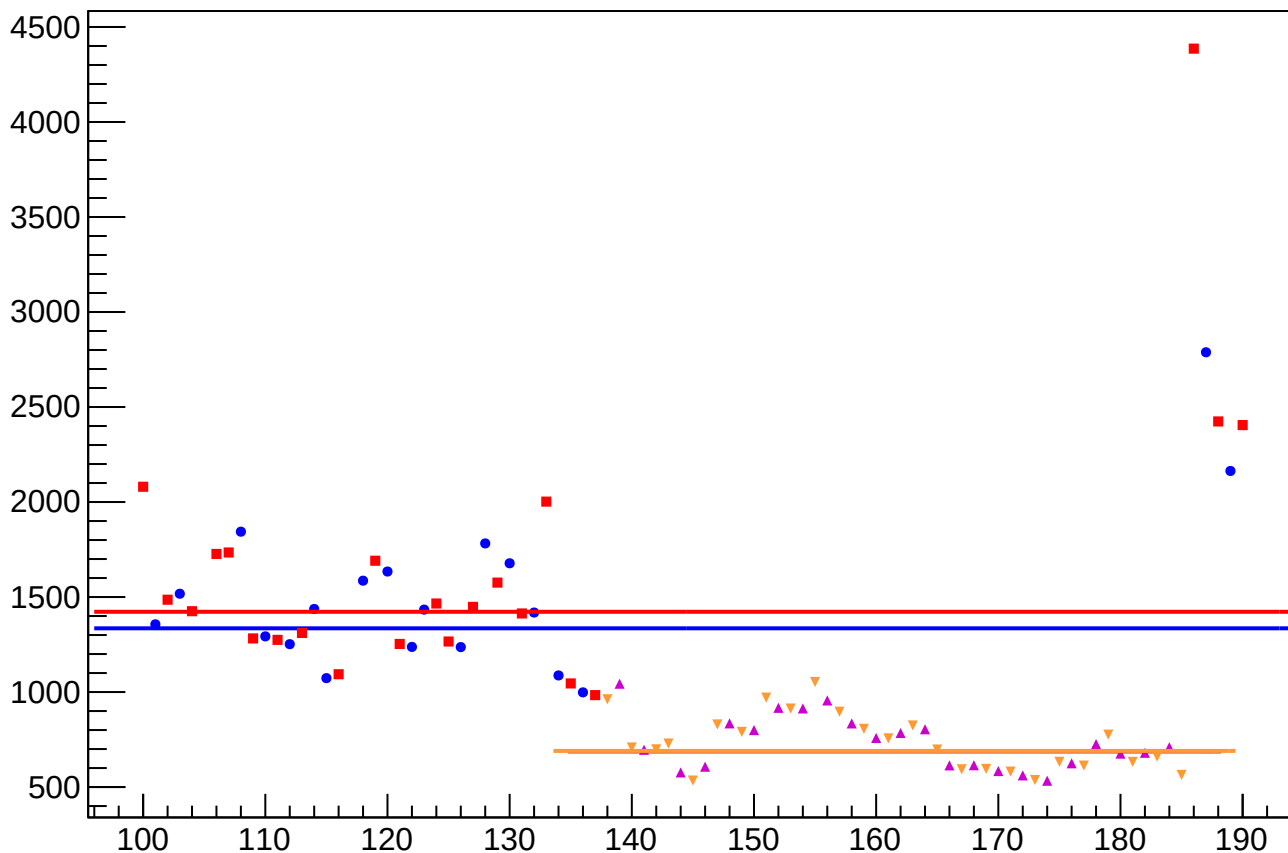
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF:26.4/22

+ sign 850.797 $\pm$ 156.089 χ^2 /NDF: 85.7/43

All: 496.777 $\pm$ 111.349 χ^2 /NDF: 135.0/88

- sign 129.937 $\pm$ 158.891 χ^2 /NDF: 38.7/44

asym_sam_2468_avg_rms vs Slug



Right In: 1335.361 ± 0.362 $\chi^2/\text{NDF}: 666406.7/18$

Left Out: 690.166 ± 0.116 $\chi^2/\text{NDF}: 1258158.2/24$

Right Out: 1422.391 ± 0.355 $\chi^2/\text{NDF}: 1211640.6/21$

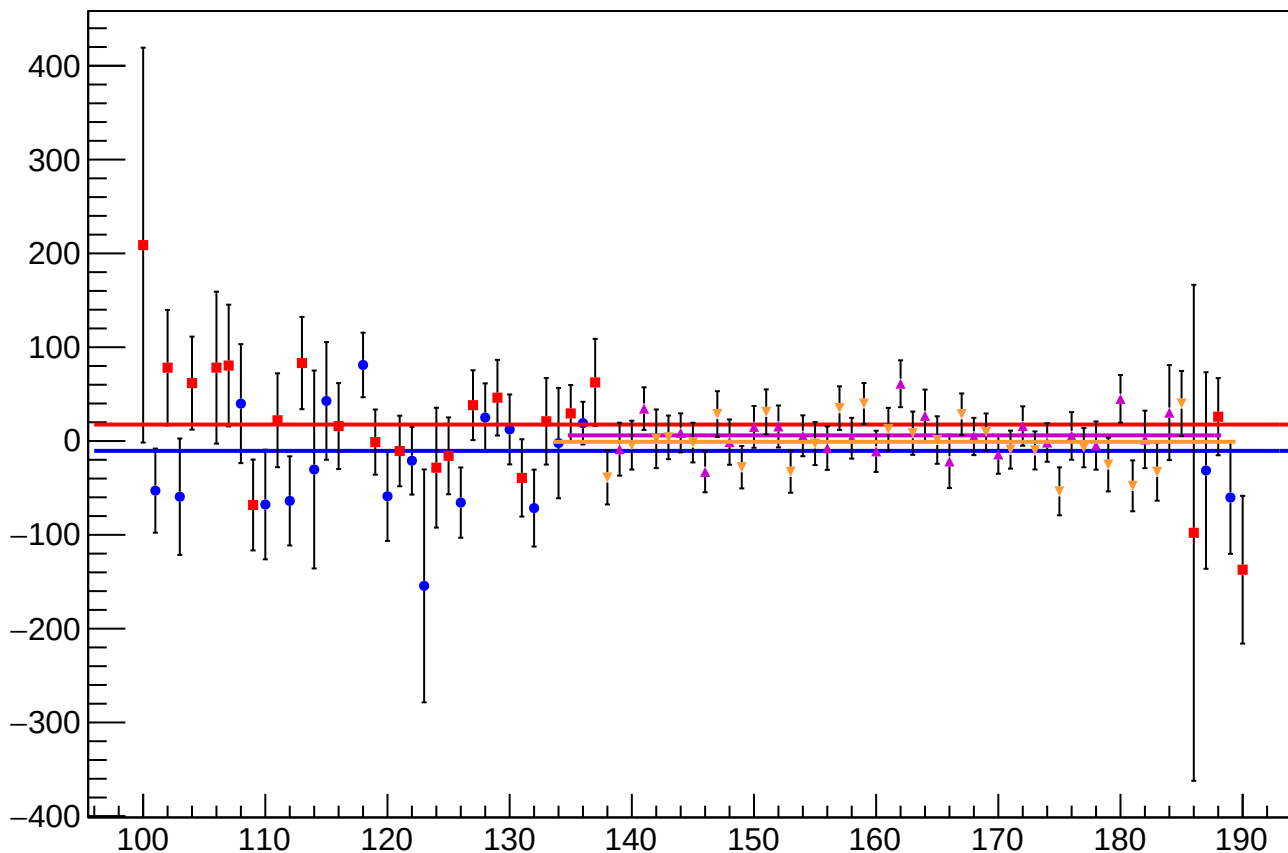
Left In: 687.216 ± 0.118 $\chi^2/\text{NDF}: 1099706.1/22$

+ sign 750.091 ± 0.110 $\chi^2/\text{NDF}: 4803577.1/43$

All: 755.314 ± 0.079 $\chi^2/\text{NDF}: 10972702.5/80$

- sign 760.727 ± 0.112 $\chi^2/\text{NDF}: 6164564.3/44$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -10.494 ± 10.220 χ^2/NDF : 22.8/18

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 17.574 ± 10.056 χ^2/NDF : 18.9/21

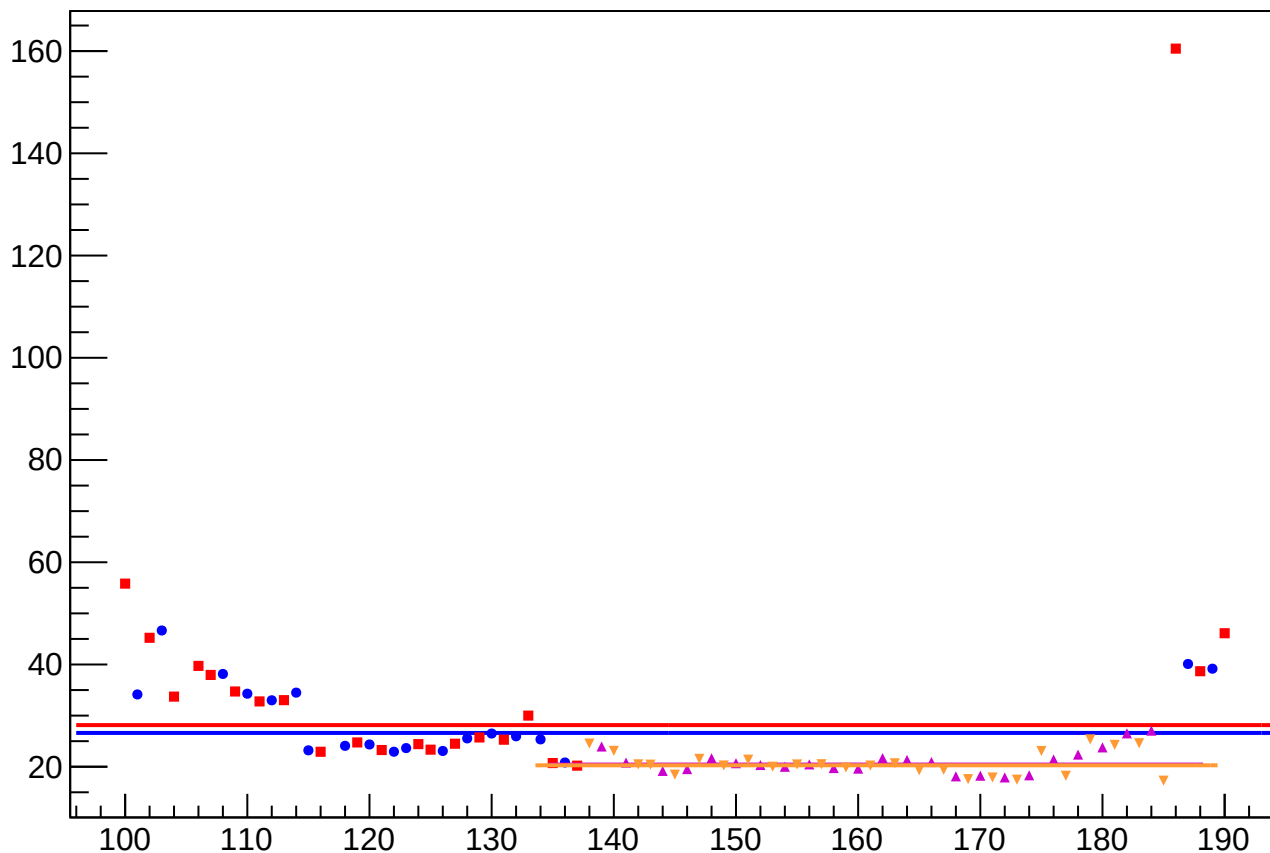
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -2.579 ± 4.315 χ^2/NDF : 51.4/43

All: 2.713 ± 3.089 χ^2/NDF : 91.5/88

- sign 8.273 ± 4.423 χ^2/NDF : 36.9/44

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.612 ± 0.007 $\chi^2/\text{NDF}: 727094.9/18$

Left Out: 20.279 ± 0.003 $\chi^2/\text{NDF}: 407056.4/24$

Right Out: 28.143 ± 0.007 $\chi^2/\text{NDF}: 1441412.8/21$

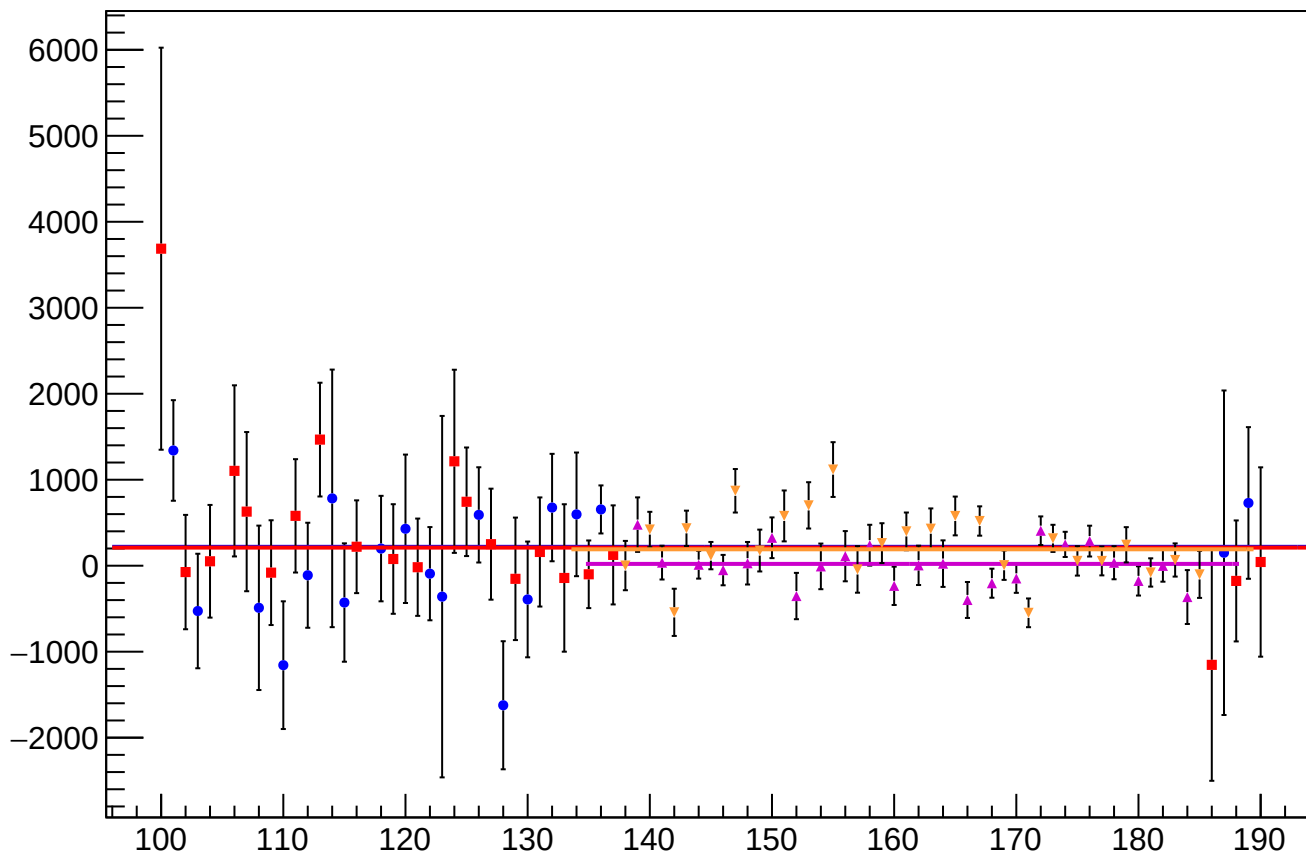
Left In: 20.424 ± 0.003 $\chi^2/\text{NDF}: 323427.4/22$

+ sign 21.408 ± 0.003 $\chi^2/\text{NDF}: 1765130.4/43$

All: 21.656 ± 0.002 $\chi^2/\text{NDF}: 4494104.7/88$

- sign 21.917 ± 0.003 $\chi^2/\text{NDF}: 2715396.9/44$

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 219.590 ± 145.710 χ^2/NDF : 21.7/18

Left Out: 190.867 ± 41.314 χ^2/NDF : 67.9/24

Right Out: 210.622 ± 144.748 χ^2/NDF : 11.8/21

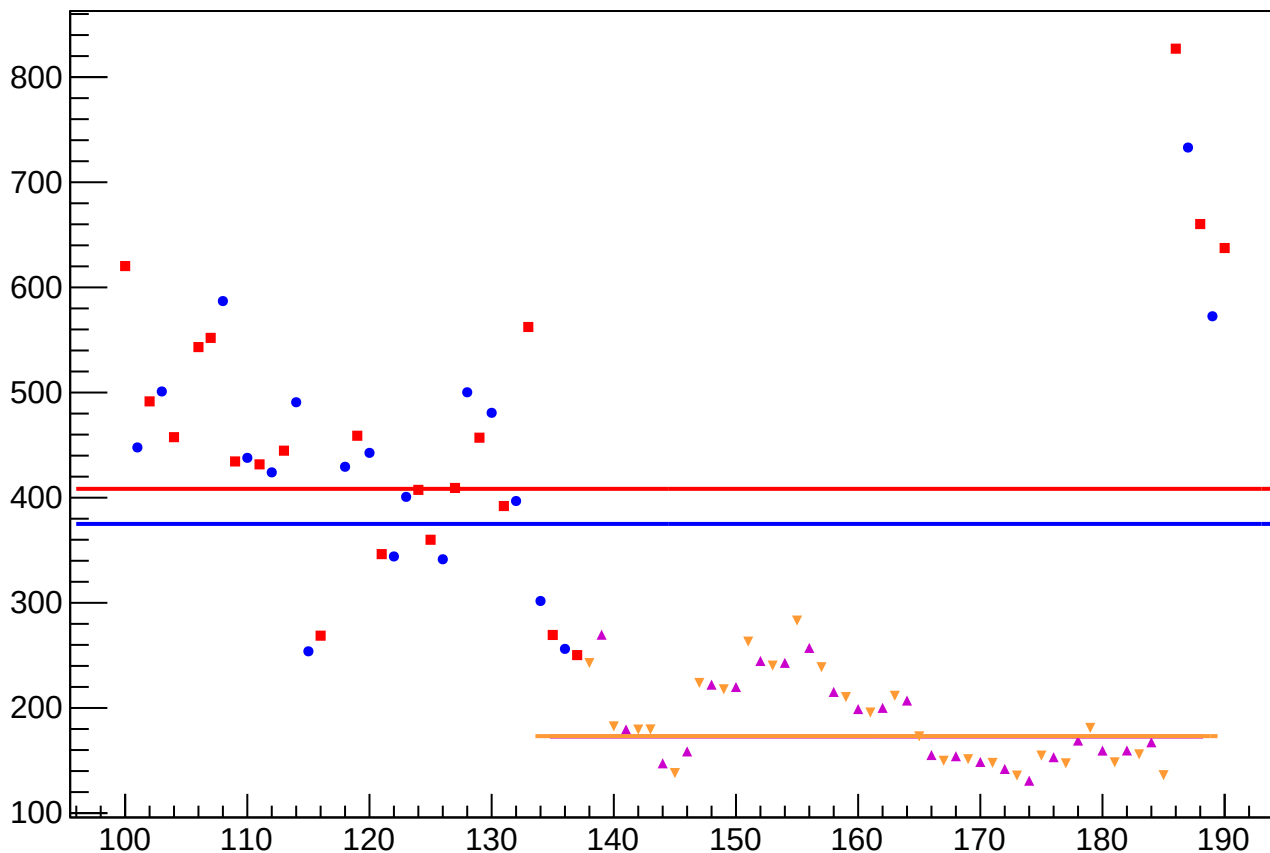
Left In: 20.998 ± 42.291 χ^2/NDF : 27.7/22

+ sign 193.004 ± 39.747 χ^2/NDF : 89.6/43

All: 116.113 ± 28.400 χ^2/NDF : 138.4/88

- sign 35.912 ± 40.594 χ^2/NDF : 41.2/44

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 375.058 $\pm$ 0.103 χ^2 /NDF: 1007395.3/18

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF: 1561250.6/24

Right Out: 408.411 $\pm$ 0.102 χ^2 /NDF: 1349374.2/21

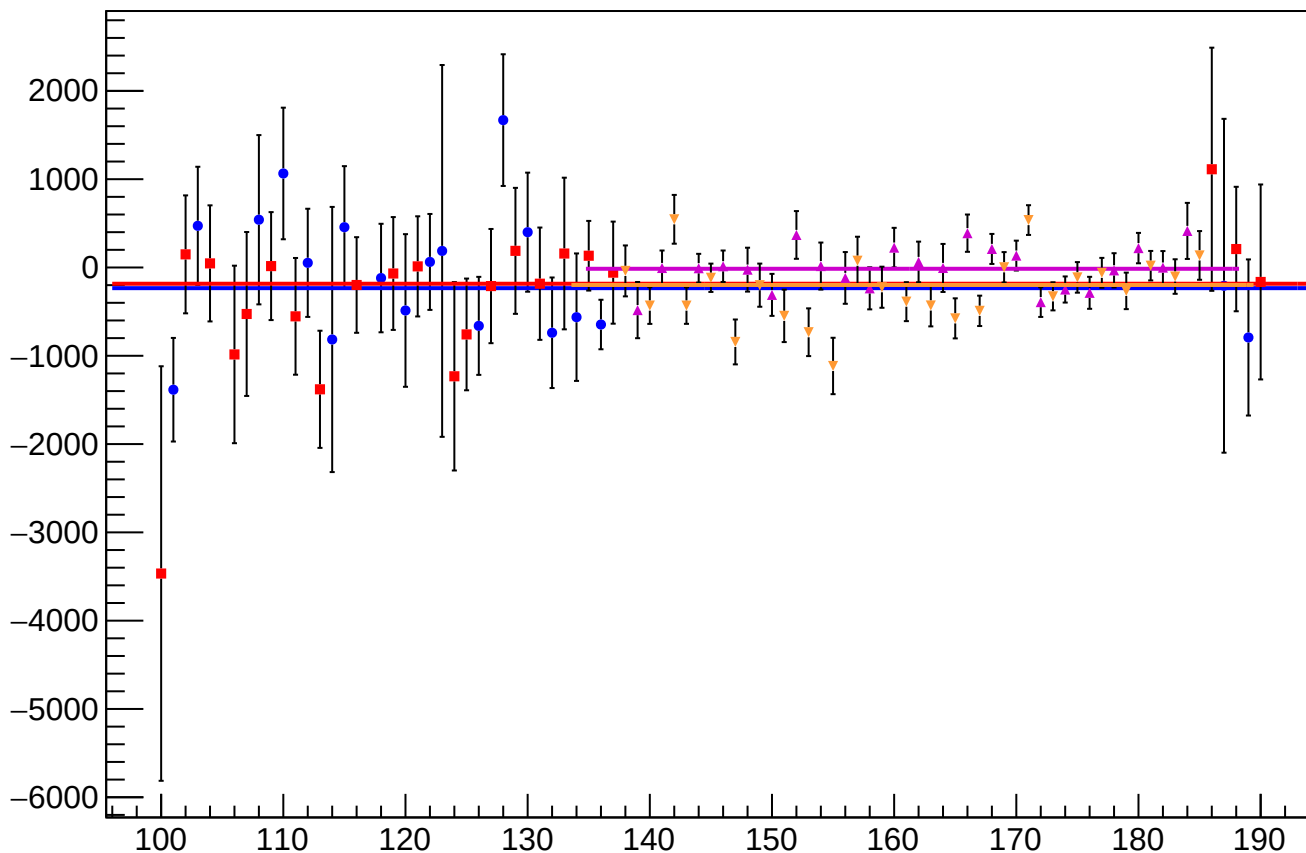
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF: 1372131.7/22

+ sign 188.229 $\pm$ 0.028 χ^2 /NDF: 6121006.2/43

All: 189.760 $\pm$ 0.020 χ^2 /NDF: 13729673.9/80

- sign 191.356 $\pm$ 0.029 χ^2 /NDF: 7602610.5/44

asym_sam_1357_2468_dd_mean vs Slug



Right In: -234.091 ± 146.133 χ^2/NDF : 21.9/18

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -184.071 ± 145.205 χ^2/NDF : 11.0/21

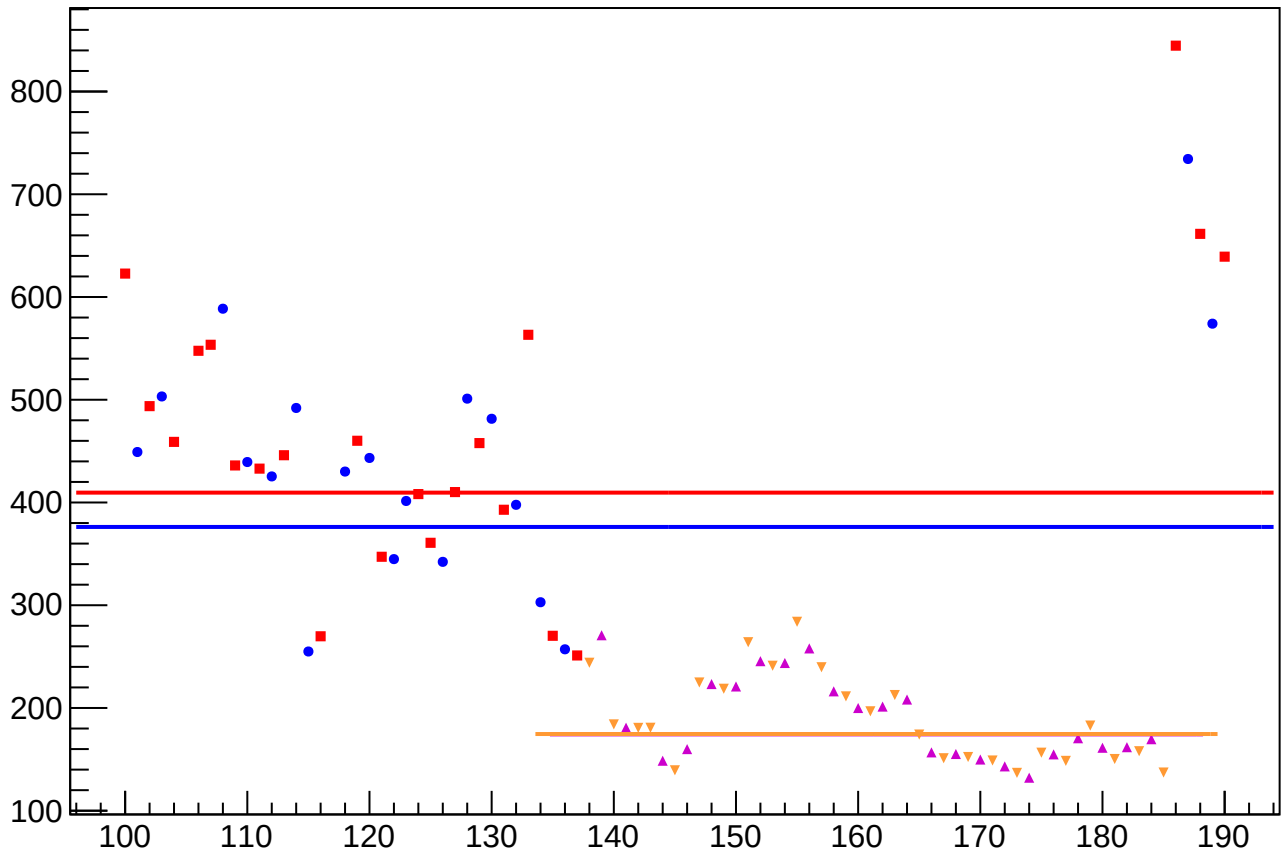
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -200.634 ± 40.044 χ^2/NDF : 86.2/43

All: -116.179 ± 28.614 χ^2/NDF : 135.3/88

- sign -28.062 ± 40.903 χ^2/NDF : 40.0/44

asym_sam_1357_2468_dd_rms vs Slug



Right In: 376.197 $\pm$ 0.103 χ^2/NDF : 1004421.3/18

Left Out: 174.648 $\pm$ 0.029 χ^2/NDF :1531999.5/24

Right Out: 409.598 $\pm$ 0.103 χ^2/NDF : 1355479.2/21

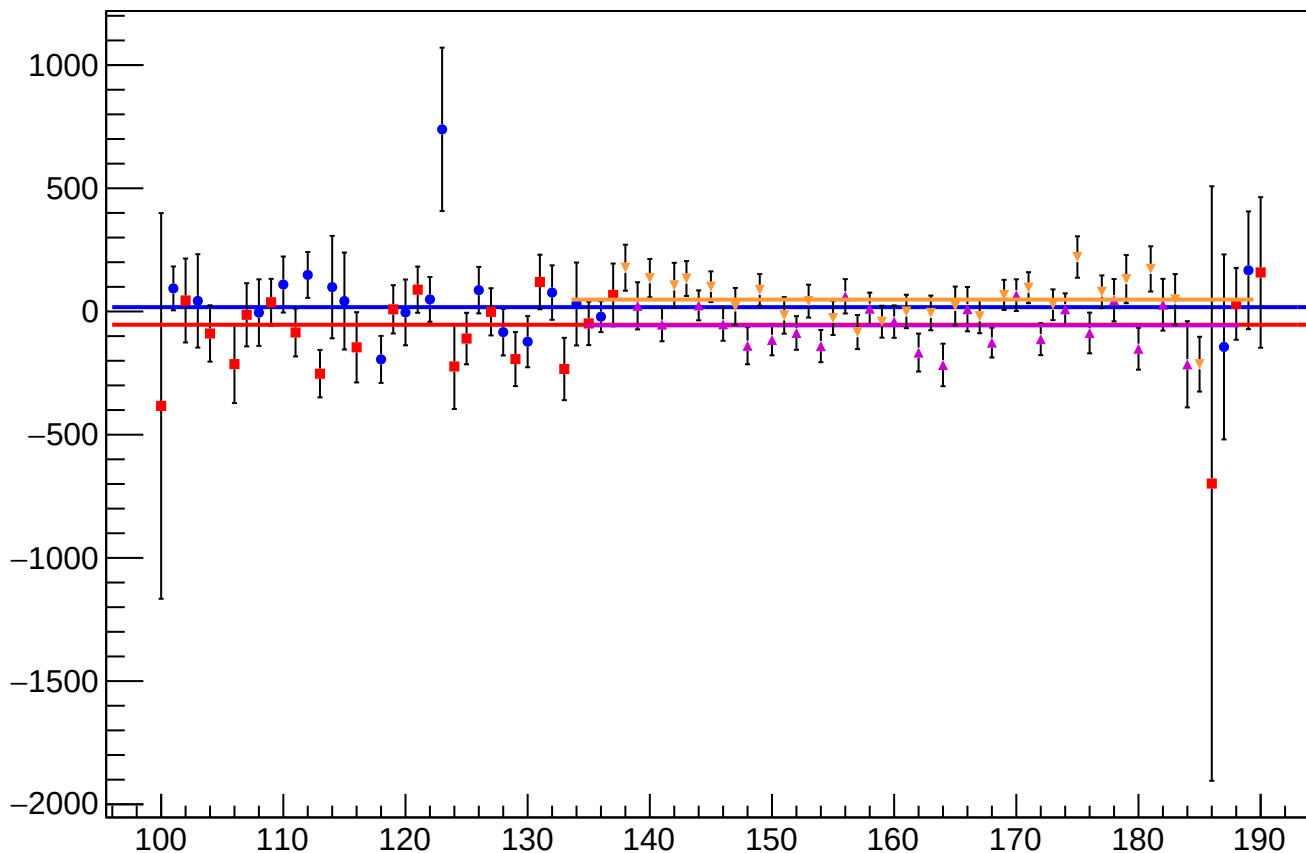
Left In: 174.288 $\pm$ 0.030 χ^2/NDF :1344779.5/22

+ sign 189.782 $\pm$ 0.028 χ^2/NDF : 6055243.2/43

All: 191.338 $\pm$ 0.020 χ^2/NDF : 13597166.4/88

- sign 192.960 $\pm$ 0.029 χ^2/NDF : 7535759.4/44

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 17.586 $\pm$ 26.154 χ^2 /NDF: 18.2/18

Left Out: 48.233 $\pm$ 14.616 χ^2 /NDF:29.3/24

Right Out: -53.843 $\pm$ 25.686 χ^2 /NDF: 19.8/21

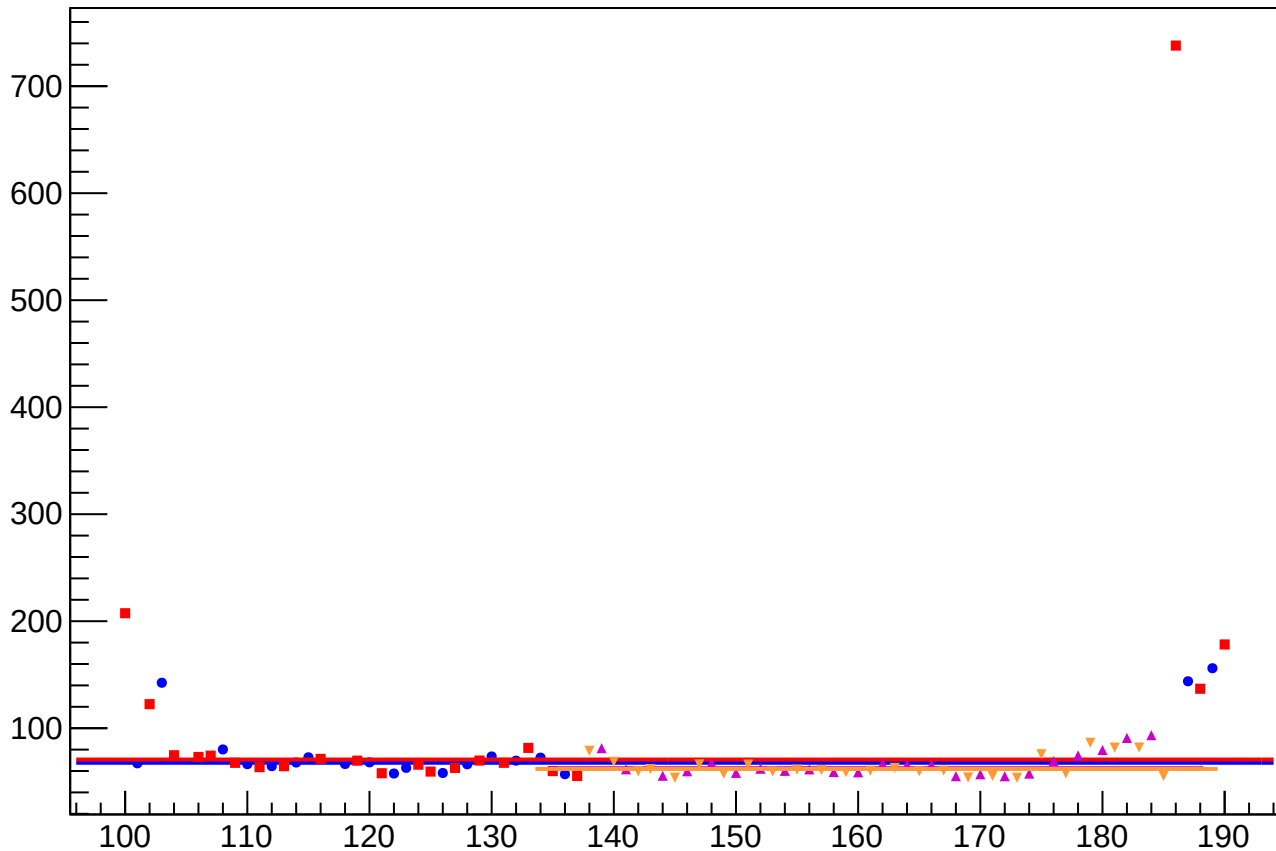
Left In: -56.403 $\pm$ 15.182 χ^2 /NDF:27.5/22

+ sign 40.940 $\pm$ 12.759 χ^2 /NDF: 48.5/43

All: -6.236 $\pm$ 9.130 χ^2 /NDF: 123.7/88

- sign -55.740 $\pm$ 13.070 χ^2 /NDF: 47.2/44

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 67.704 $\pm$ 0.018 χ^2 /NDF: 801270.5/18

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 70.735 $\pm$ 0.018 χ^2 /NDF: 1694177.5/21

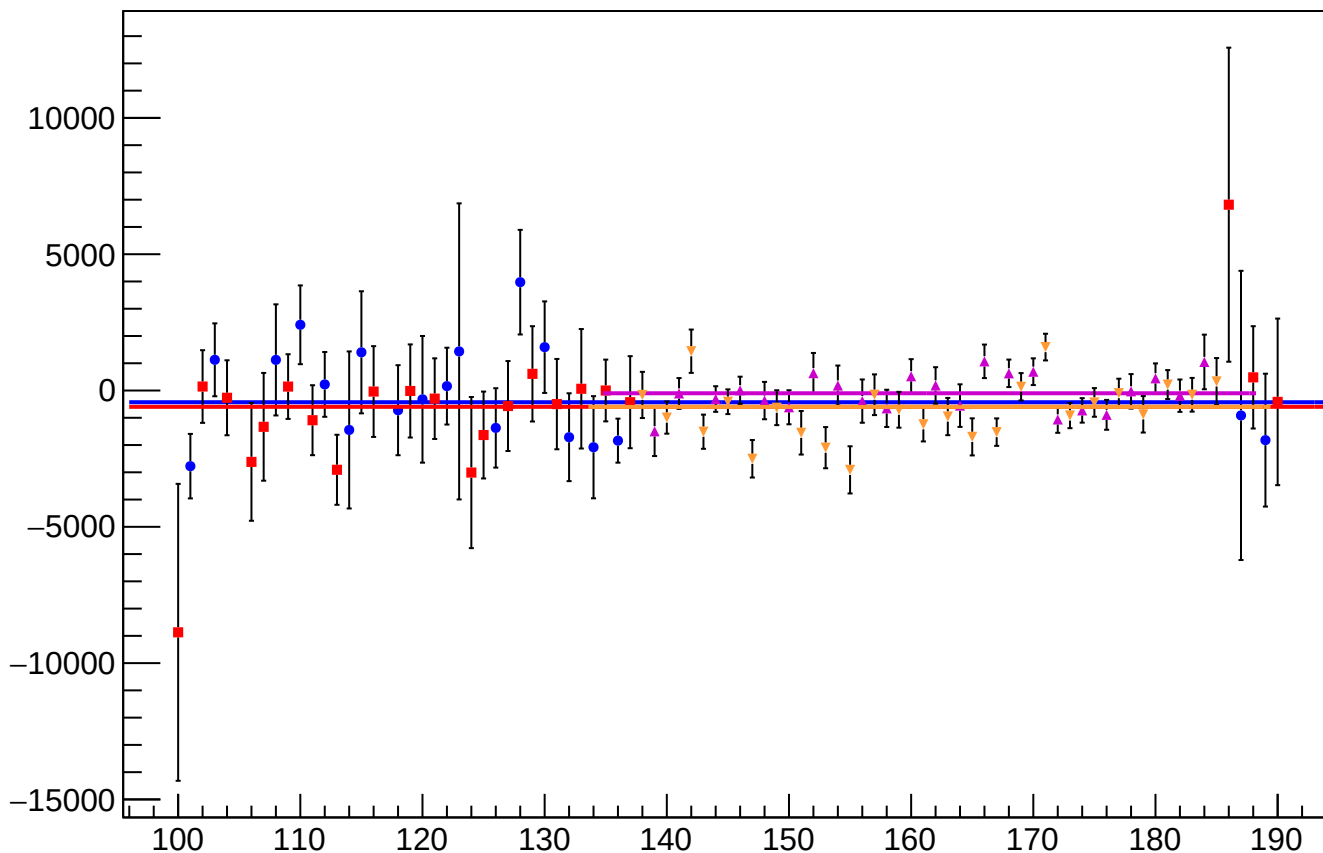
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 63.317 $\pm$ 0.009 χ^2 /NDF: 1480129.3/43

All: 63.997 $\pm$ 0.006 χ^2 /NDF: 3909887.8/88

- sign 64.711 $\pm$ 0.009 χ^2 /NDF: 2418096.8/44

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -429.606 ± 362.346 χ^2/NDF : 23.1/18

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -598.128 ± 353.044 χ^2/NDF : 11.8/21

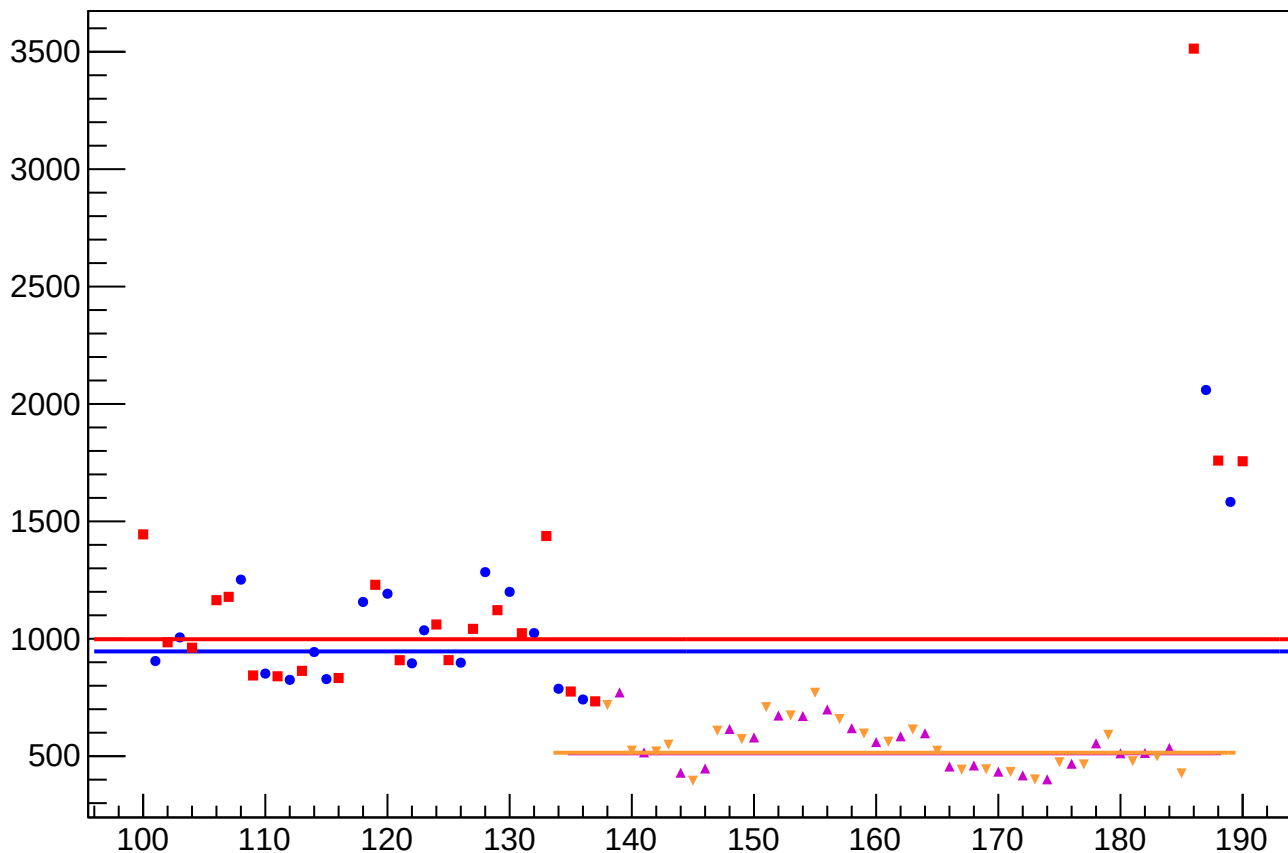
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -583.954 ± 115.723 χ^2/NDF : 88.7/43

All: -373.304 ± 82.485 χ^2/NDF : 134.4/88

- sign -155.760 ± 117.602 χ^2/NDF : 39.0/44

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 946.140 $\pm$ 0.256 χ^2 /NDF: 626268.6/18

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF:1194945.9/24

Right Out: 998.050 $\pm$ 0.250 χ^2 /NDF: 1252701.6/21

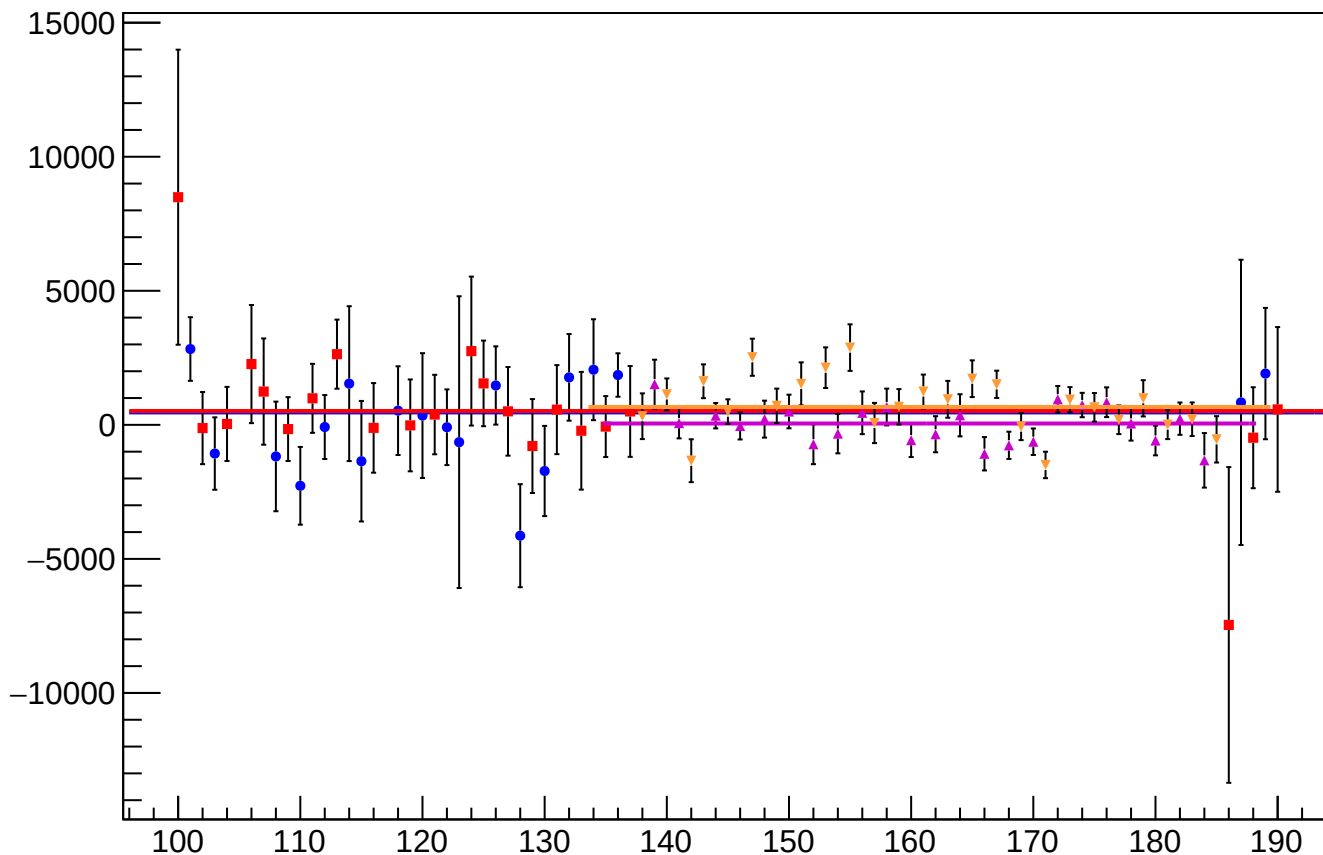
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF:1041302.8/22

+ sign 558.758 $\pm$ 0.082 χ^2 /NDF: 4366789.0/43

All: 562.375 $\pm$ 0.058 χ^2 /NDF: 10032193.2/88

- sign 566.109 $\pm$ 0.083 χ^2 /NDF: 5661433.8/44

asym_sam_12345678_avg_mean vs Slug



Right In: 463.944+/-363.596 χ^2/NDF : 23.2/18

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 515.288+/-354.475 χ^2/NDF : 10.7/21

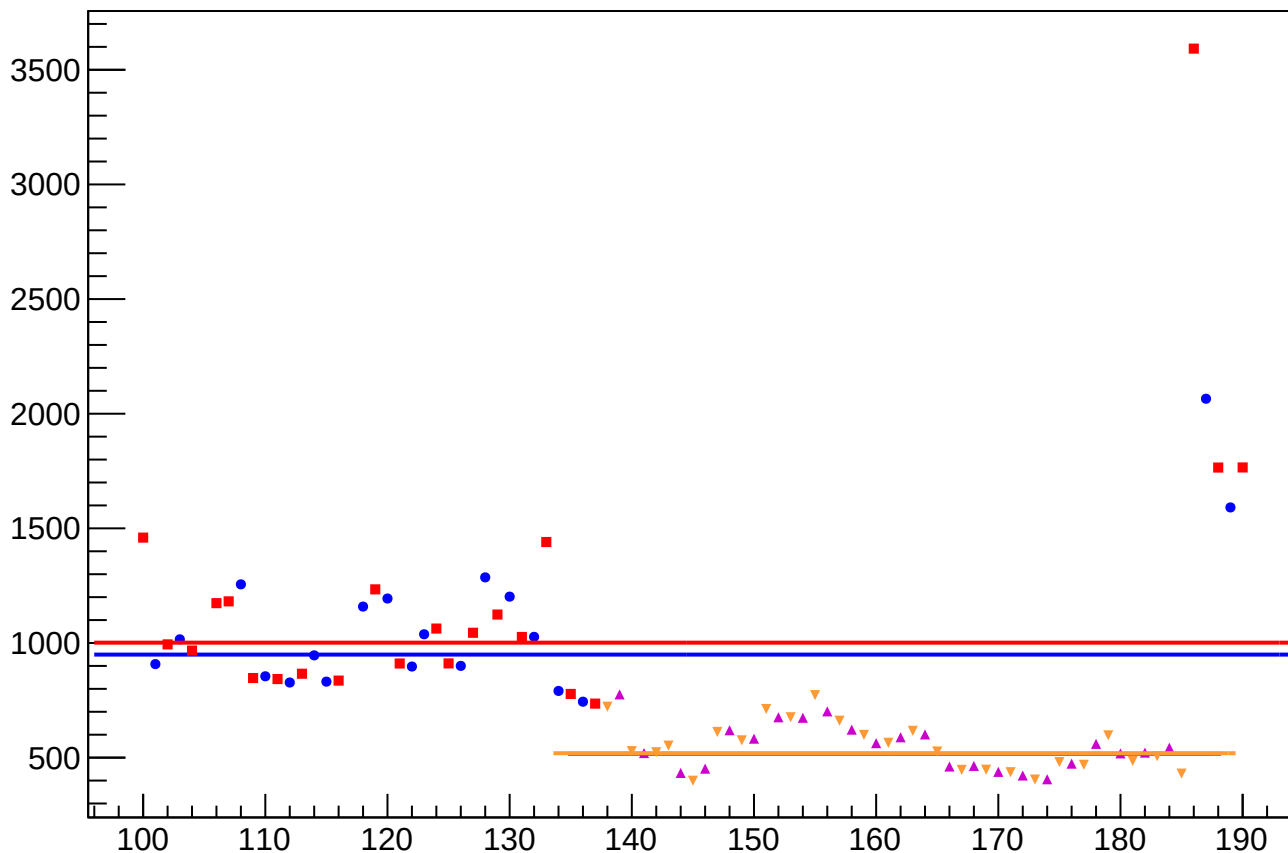
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 646.665+/-116.637 χ^2/NDF : 85.0/43

All: 378.842+/-83.146 χ^2/NDF : 134.1/88

- sign 102.120+/-118.559 χ^2/NDF : 38.4/44

asym_sam_12345678_avg_rms vs Slug



Right In: 949.432 $\pm$ 0.257 χ^2 /NDF: 626017.8/18

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF:1172411.1/24

Right Out: 1001.486 $\pm$ 0.251 χ^2 /NDF: 1259656.3/21

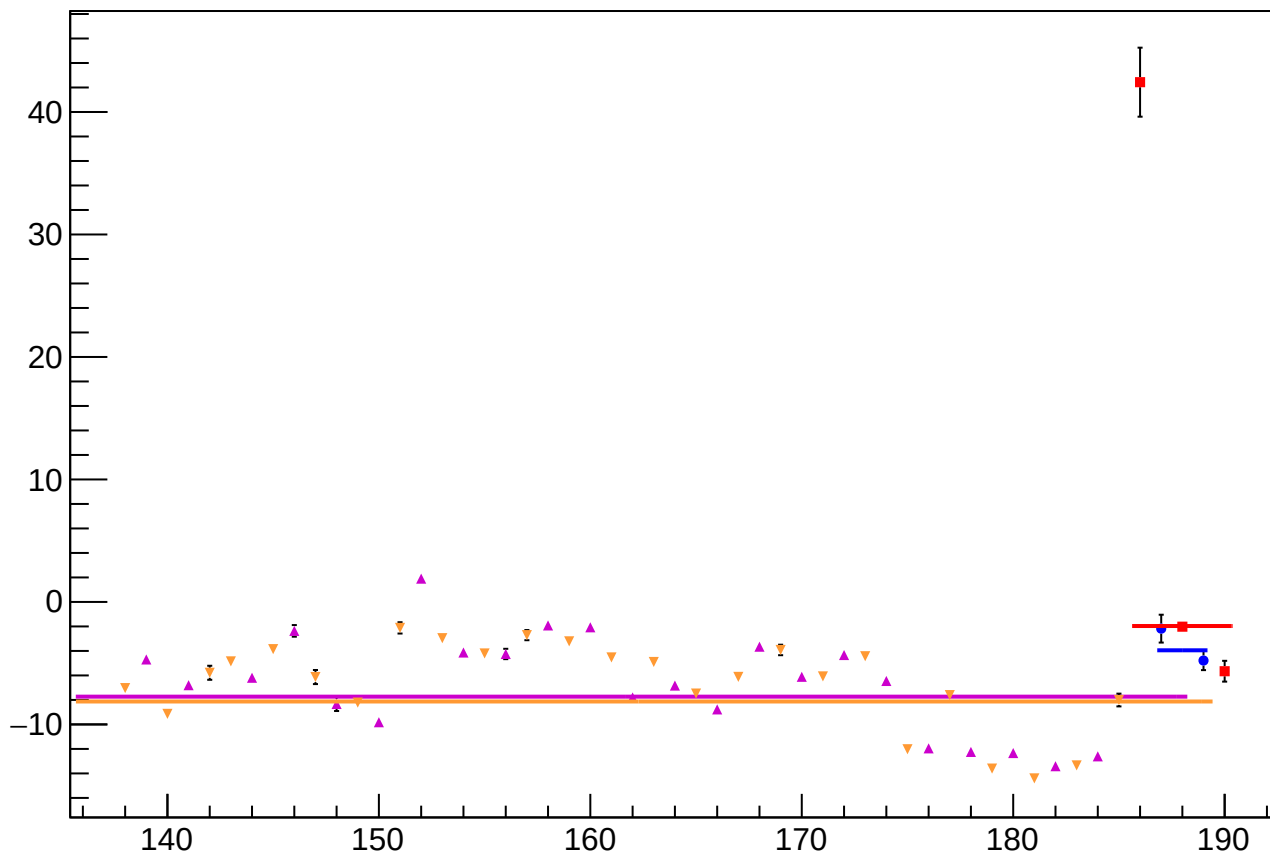
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF:1021374.1/22

+ sign 563.522 $\pm$ 0.082 χ^2 /NDF: 4309891.5/43

All: 567.206 $\pm$ 0.059 χ^2 /NDF: 9916014.7/88

- sign 571.013 $\pm$ 0.084 χ^2 /NDF: 5602065.0/44

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.948 ± 0.644 χ^2/NDF : 3.6/1

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -1.966 ± 0.311 χ^2/NDF : 267.2/2

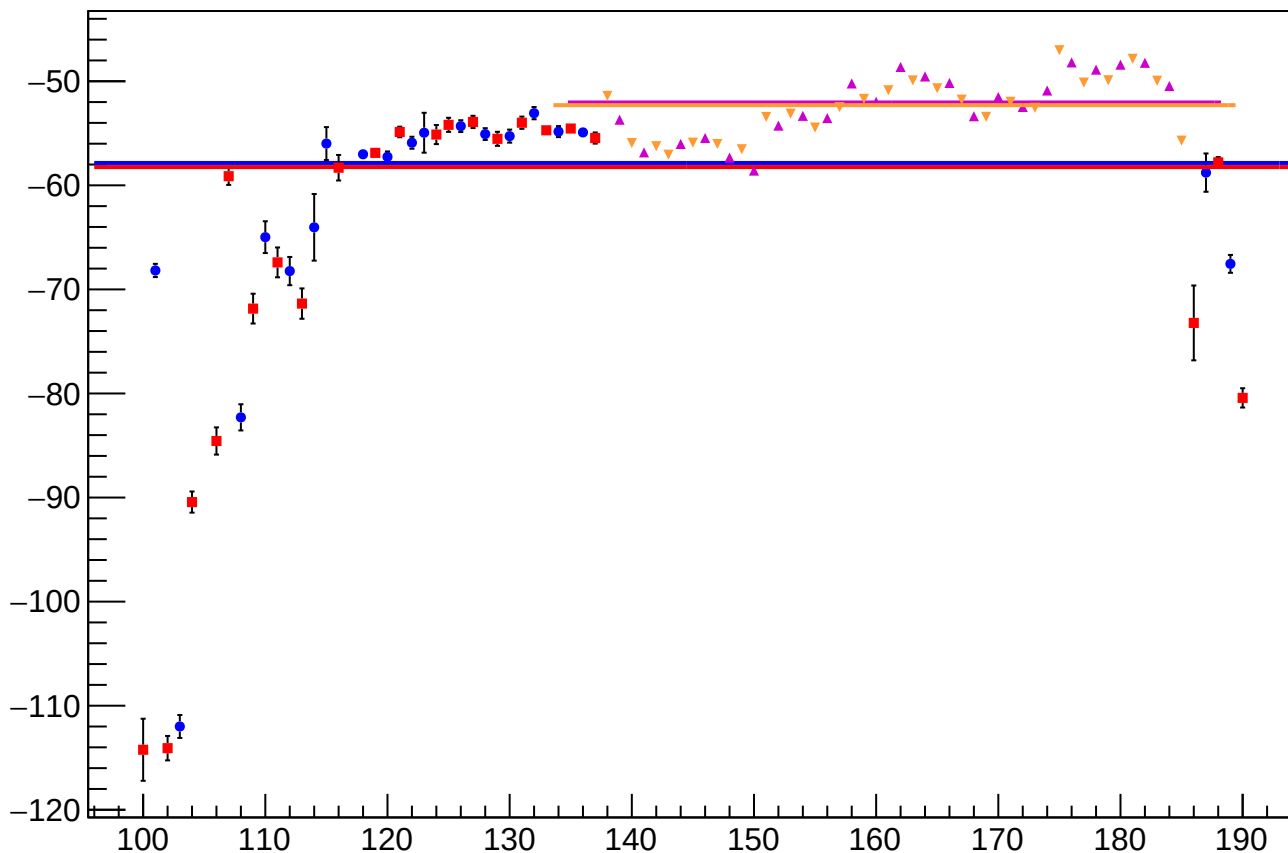
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -8.082 ± 0.067 χ^2/NDF : 3680.7/26

All: -7.773 ± 0.047 χ^2/NDF : 8038.2/52

- sign -7.462 ± 0.067 χ^2/NDF : 4314.8/25

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.849 +/- 0.141 χ^2/NDF : 3589.6/18

Left Out: -52.297 +/- 0.055 χ^2/NDF : 2657.5/24

Right Out: -58.245 +/- 0.136 χ^2/NDF : 5304.9/21

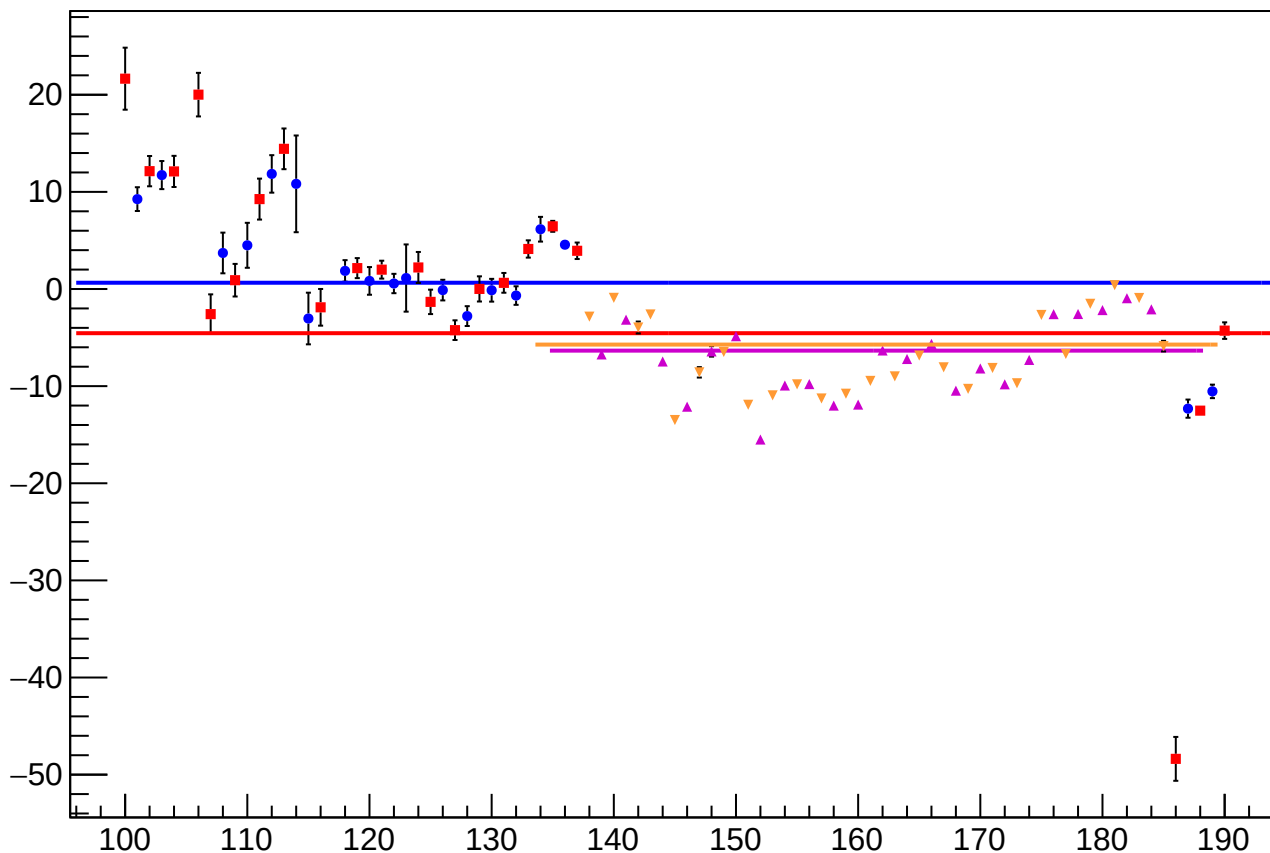
Left In: -52.038 +/- 0.057 χ^2/NDF : 3180.4/22

+ sign -53.033 +/- 0.051 χ^2/NDF : 7595.5/43

All: -53.002 +/- 0.037 χ^2/NDF : 17849.1/88

- sign -52.968 +/- 0.053 χ^2/NDF : 10252.8/44

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 0.646 ± 0.235 χ^2/NDF : 733.2/18

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -4.549 ± 0.186 χ^2/NDF : 2514.6/21

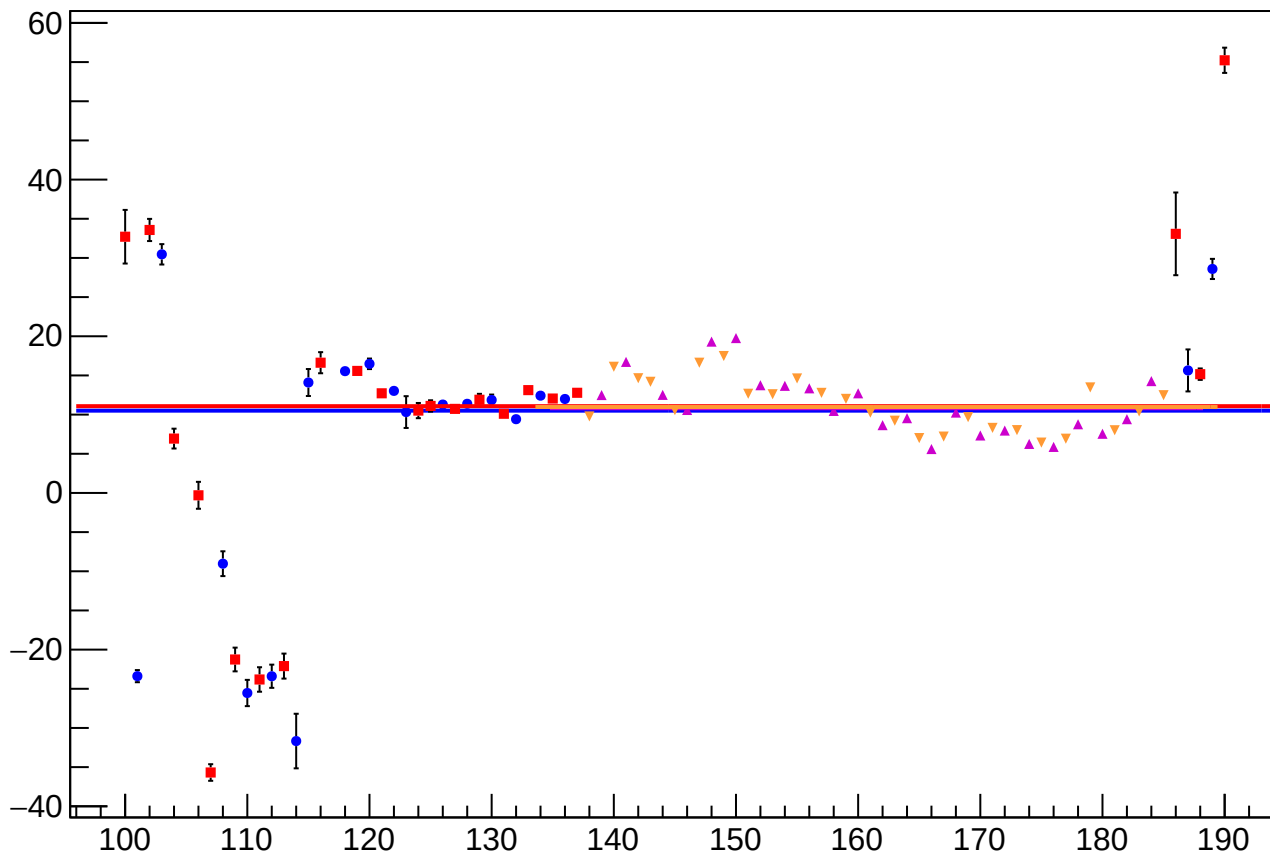
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -5.236 ± 0.065 χ^2/NDF : 5393.7/43

All: -5.686 ± 0.046 χ^2/NDF : 11469.5/88

- sign -6.129 ± 0.064 χ^2/NDF : 5980.5/44

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.505 $\pm$ 0.157 χ^2 /NDF: 3884.9/18

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 11.077 $\pm$ 0.156 χ^2 /NDF: 4643.3/21

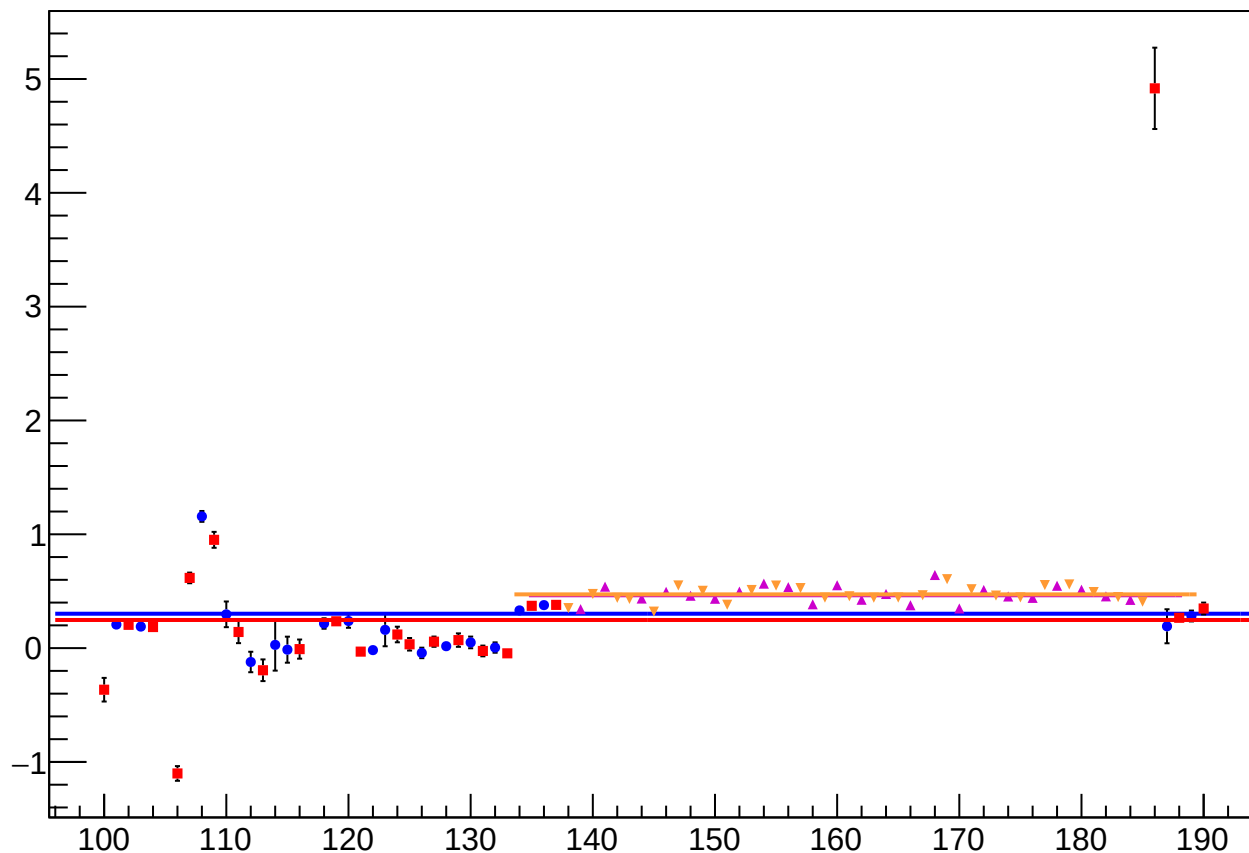
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 10.906 $\pm$ 0.057 χ^2 /NDF: 6530.1/43

All: 10.879 $\pm$ 0.041 χ^2 /NDF: 14723.1/88

- sign 10.850 $\pm$ 0.059 χ^2 /NDF: 8192.5/44

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.302 ± 0.008 χ^2/NDF : 647.9/18

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.247 ± 0.008 χ^2/NDF : 1158.9/21

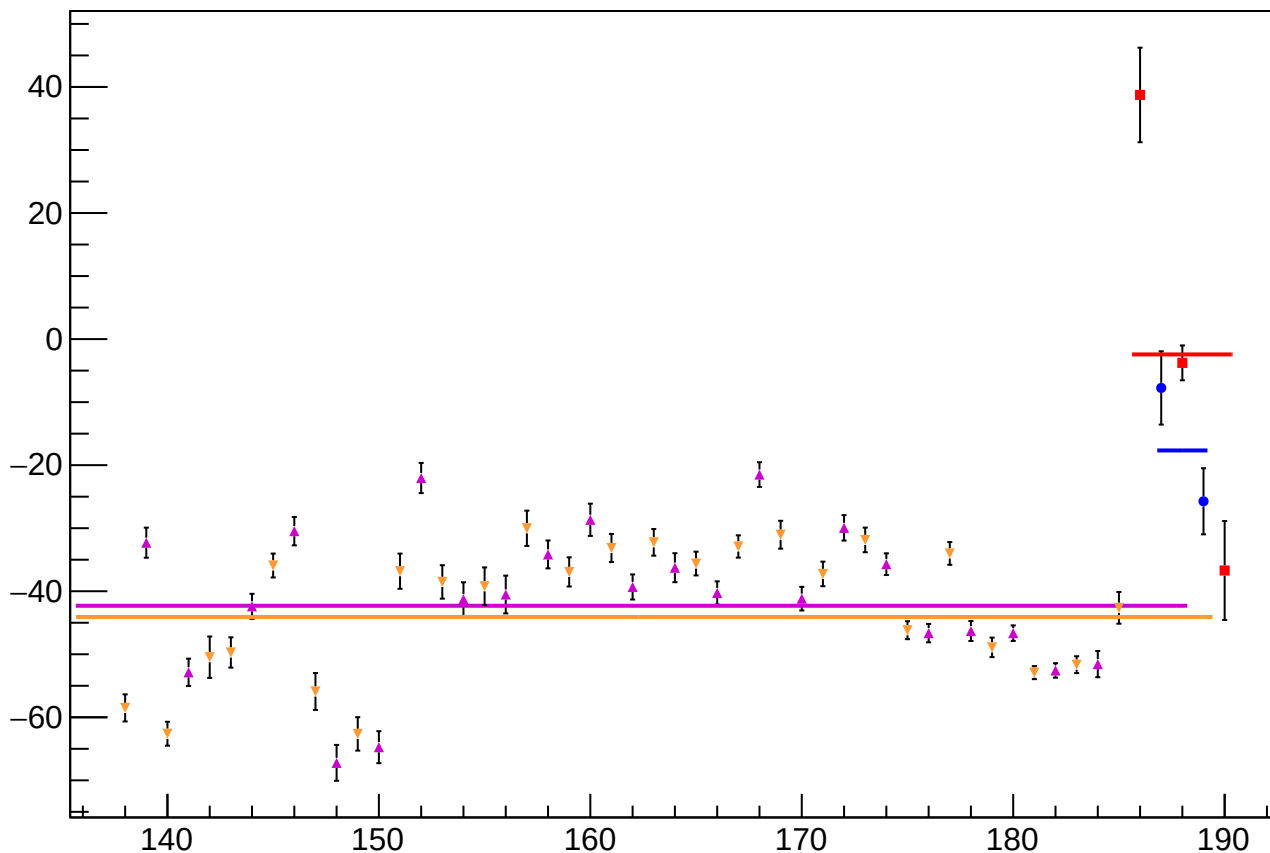
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.454 ± 0.003 χ^2/NDF : 1562.7/43

All: 0.448 ± 0.002 χ^2/NDF : 4102.4/88

- sign 0.442 ± 0.003 χ^2/NDF : 2527.6/44

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -17.666 ± 3.894 χ^2/NDF : 5.3/1

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -2.431 ± 2.463 χ^2/NDF : 49.5/2

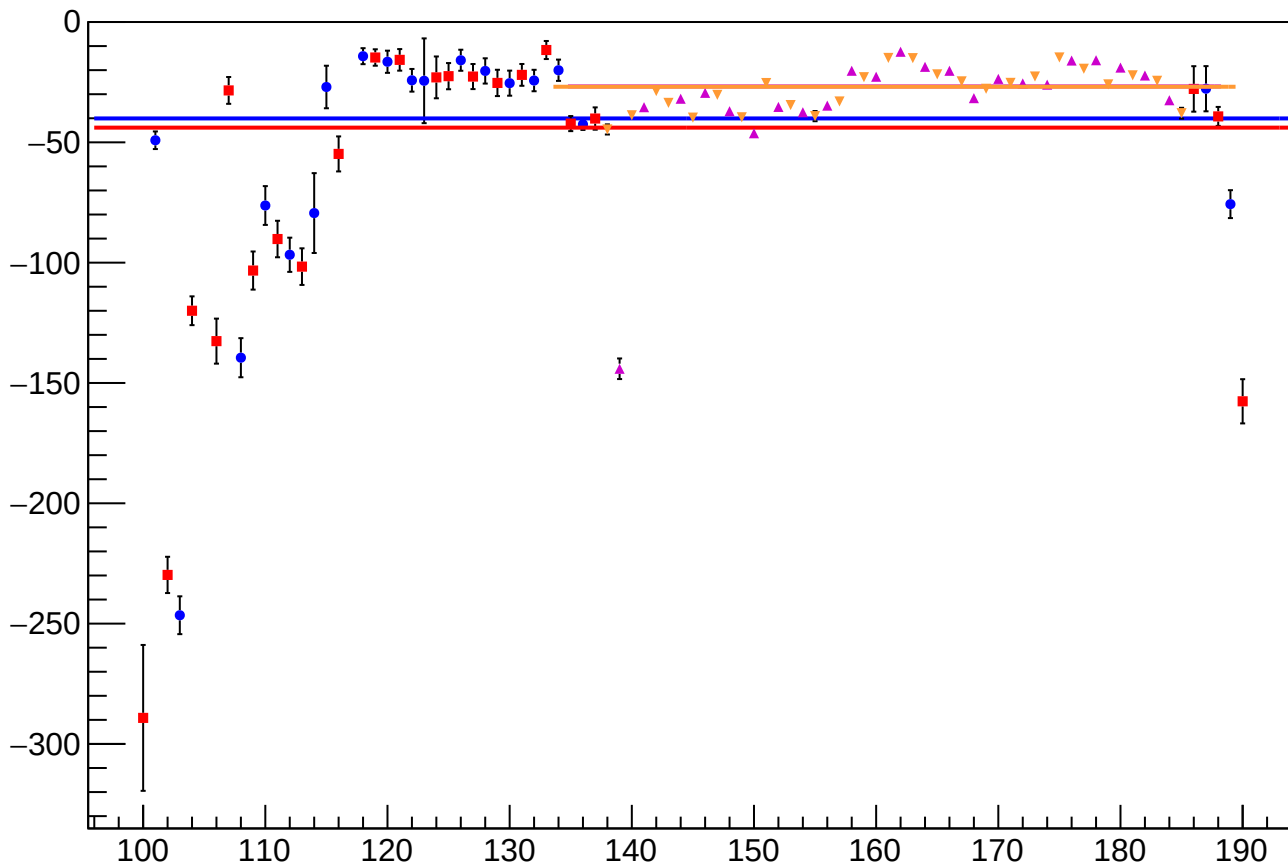
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.817 ± 0.387 χ^2/NDF : 683.4/26

All: -42.574 ± 0.276 χ^2/NDF : 1649.8/52

- sign -41.284 ± 0.394 χ^2/NDF : 945.4/25

reg_asym_sam2_diff_bpm4aY_slope vs Slug



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: -43.890 ± 1.141 $\chi^2/\text{NDF}: 1504.3/21$

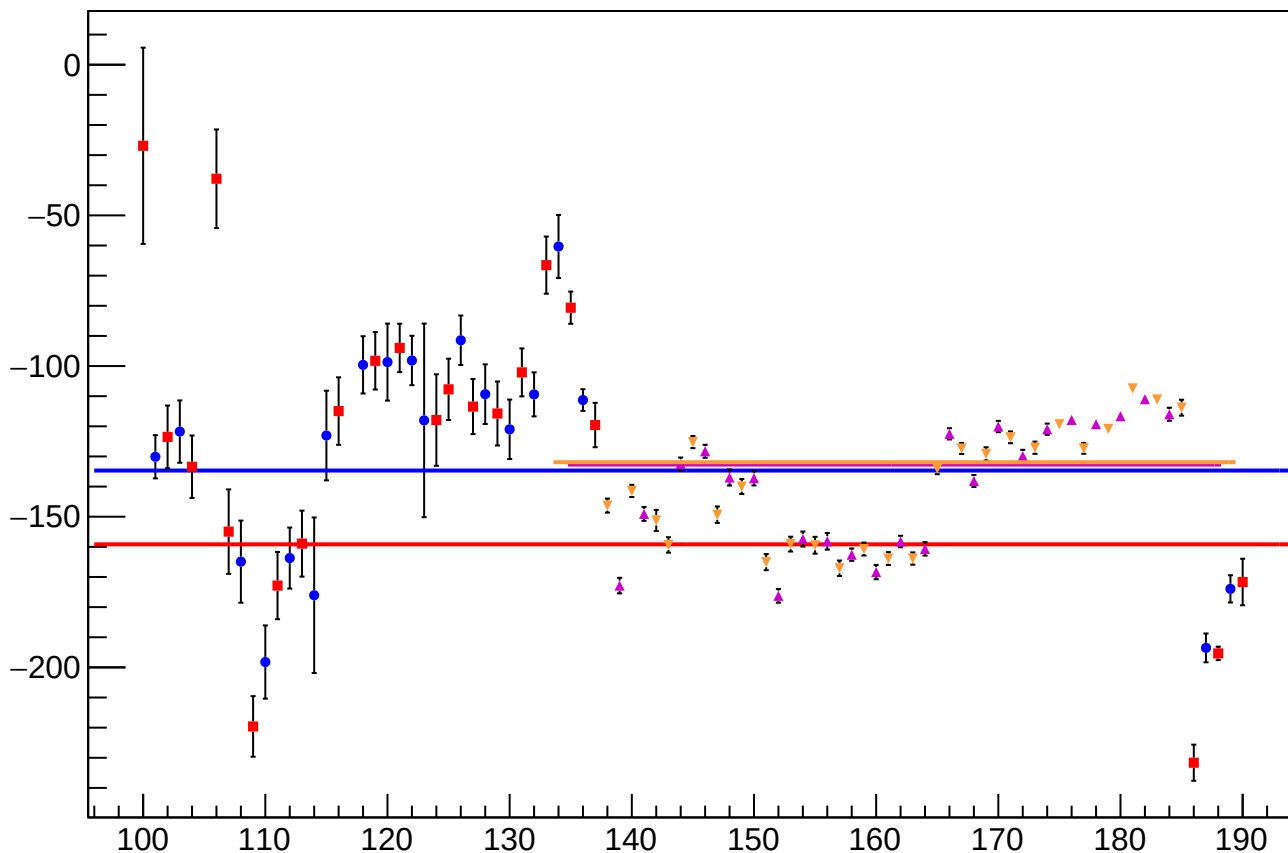
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -27.875 ± 0.304 $\chi^2/\text{NDF}: 1921.3/43$

All: -27.968 ± 0.218 $\chi^2/\text{NDF}: 5028.4/88$

- sign -28.068 ± 0.314 $\chi^2/\text{NDF}: 3106.9/44$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -134.680 ± 1.760 χ^2/NDF : 455.2/18

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -159.166 ± 1.491 χ^2/NDF : 1127.8/21

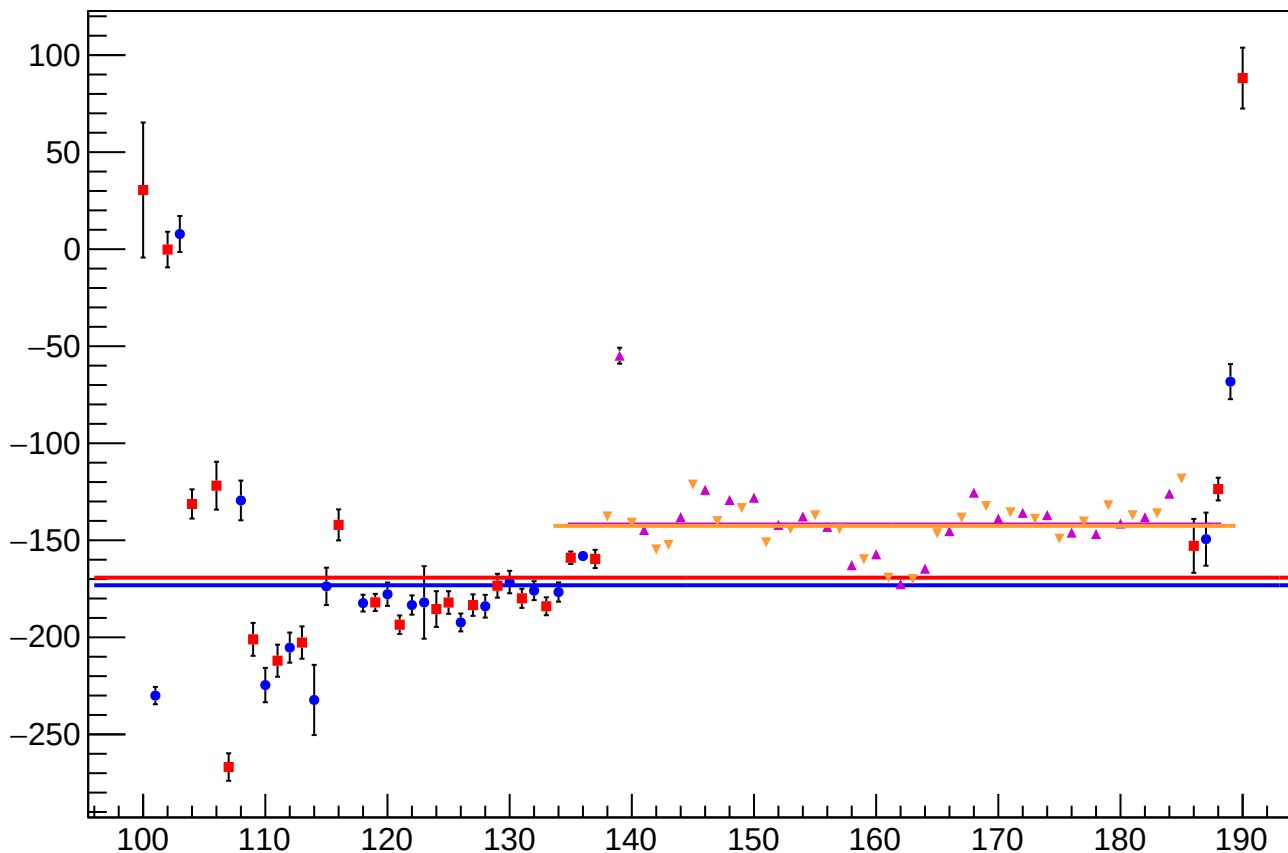
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -132.043 ± 0.382 χ^2/NDF : 2896.9/43

All: -133.241 ± 0.271 χ^2/NDF : 6819.1/88

- sign -134.463 ± 0.386 χ^2/NDF : 3902.3/44

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -173.170 ± 1.261 χ^2/NDF : 832.1/18

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -169.258 ± 1.313 χ^2/NDF : 1080.8/21

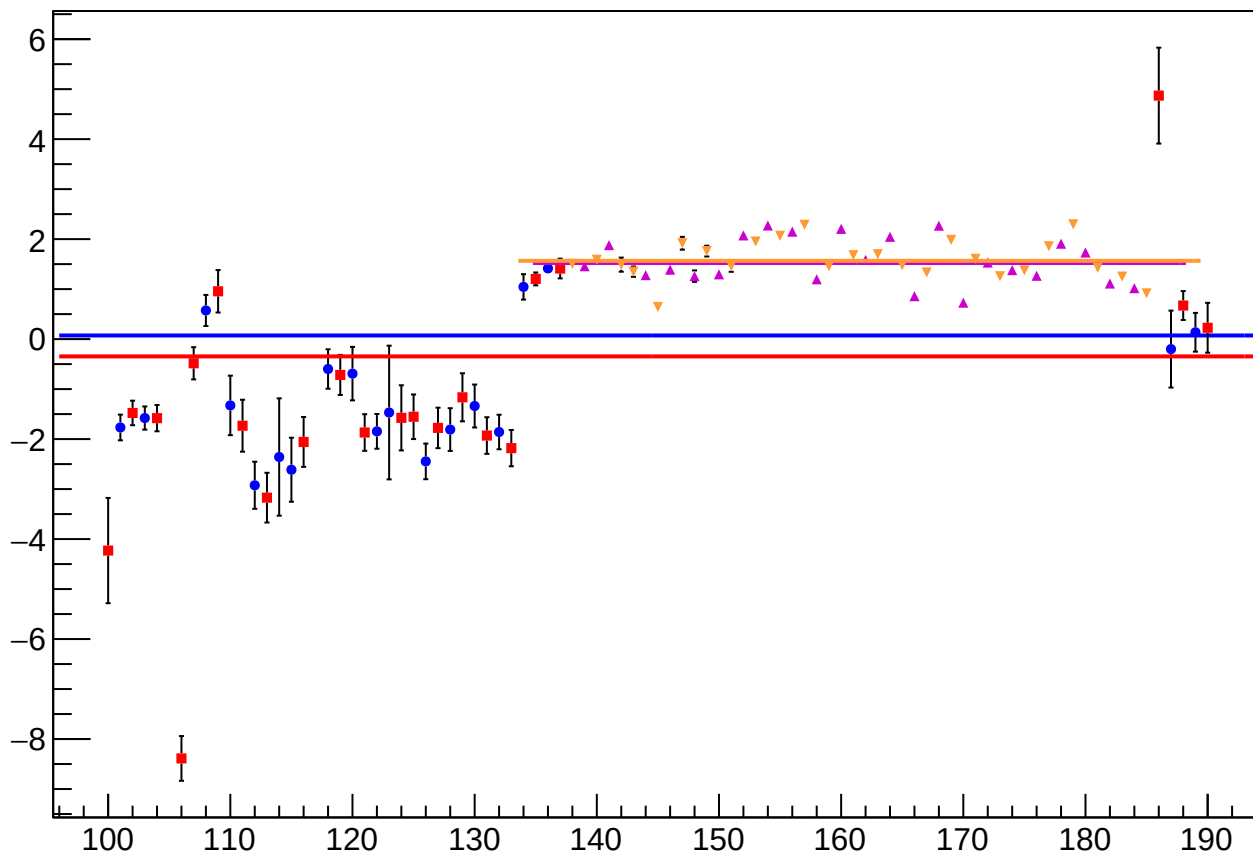
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -144.801 ± 0.341 χ^2/NDF : 2526.1/43

All: -144.319 ± 0.244 χ^2/NDF : 5559.7/88

- sign -143.810 ± 0.351 χ^2/NDF : 3029.6/44

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.073 $\pm$ 0.066 χ^2 /NDF: 525.3/18

Left Out: 1.566 $\pm$ 0.016 χ^2 /NDF: 542.8/24

Right Out: -0.346 $\pm$ 0.068 χ^2 /NDF: 796.0/21

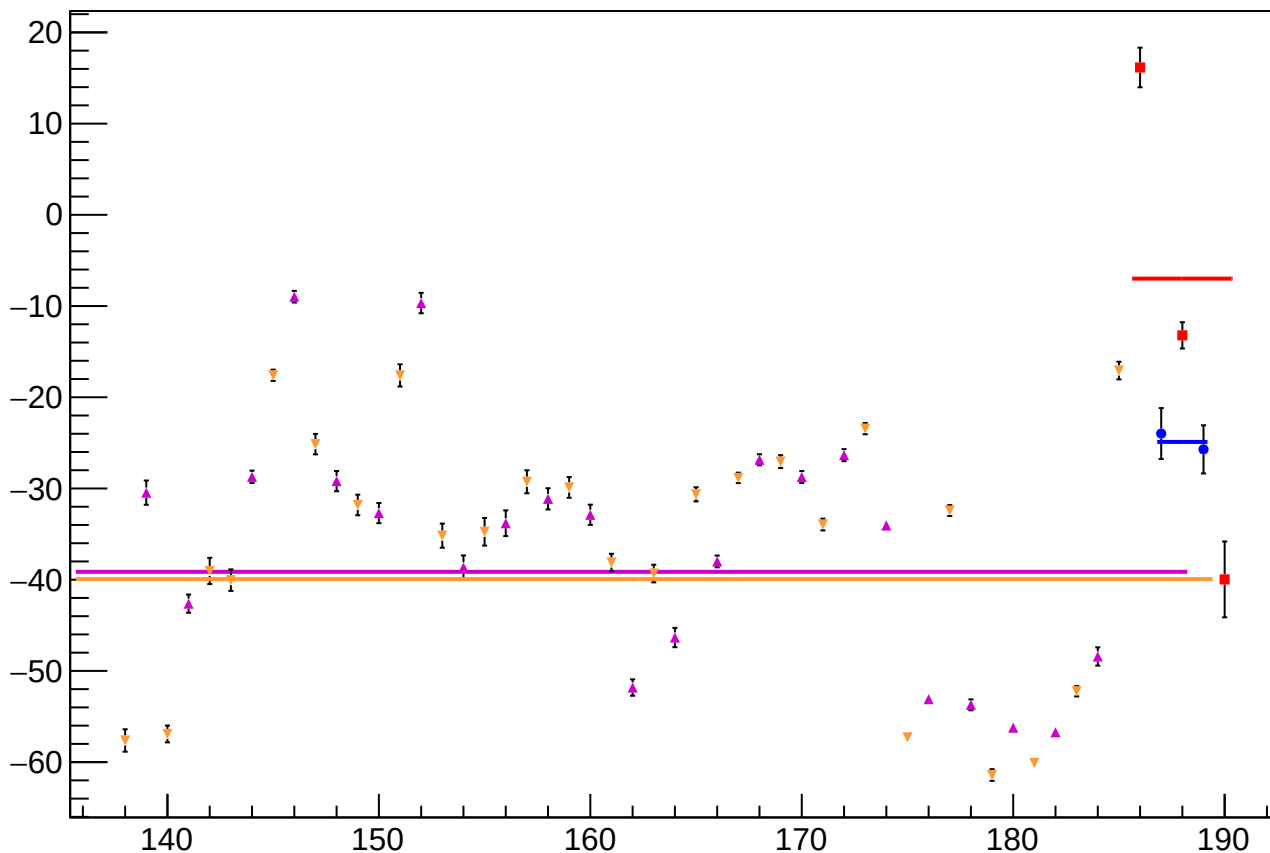
Left In: 1.523 $\pm$ 0.017 χ^2 /NDF: 738.5/22

+ sign 1.481 $\pm$ 0.016 χ^2 /NDF: 1551.8/43

All: 1.451 $\pm$ 0.011 χ^2 /NDF: 3797.8/88

- sign 1.420 $\pm$ 0.016 χ^2 /NDF: 2238.6/44

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -24.895 ± 1.919 $\chi^2/\text{NDF}: 0.2/1$

Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$

Right Out: -6.994 ± 1.153 $\chi^2/\text{NDF}: 195.1/2$

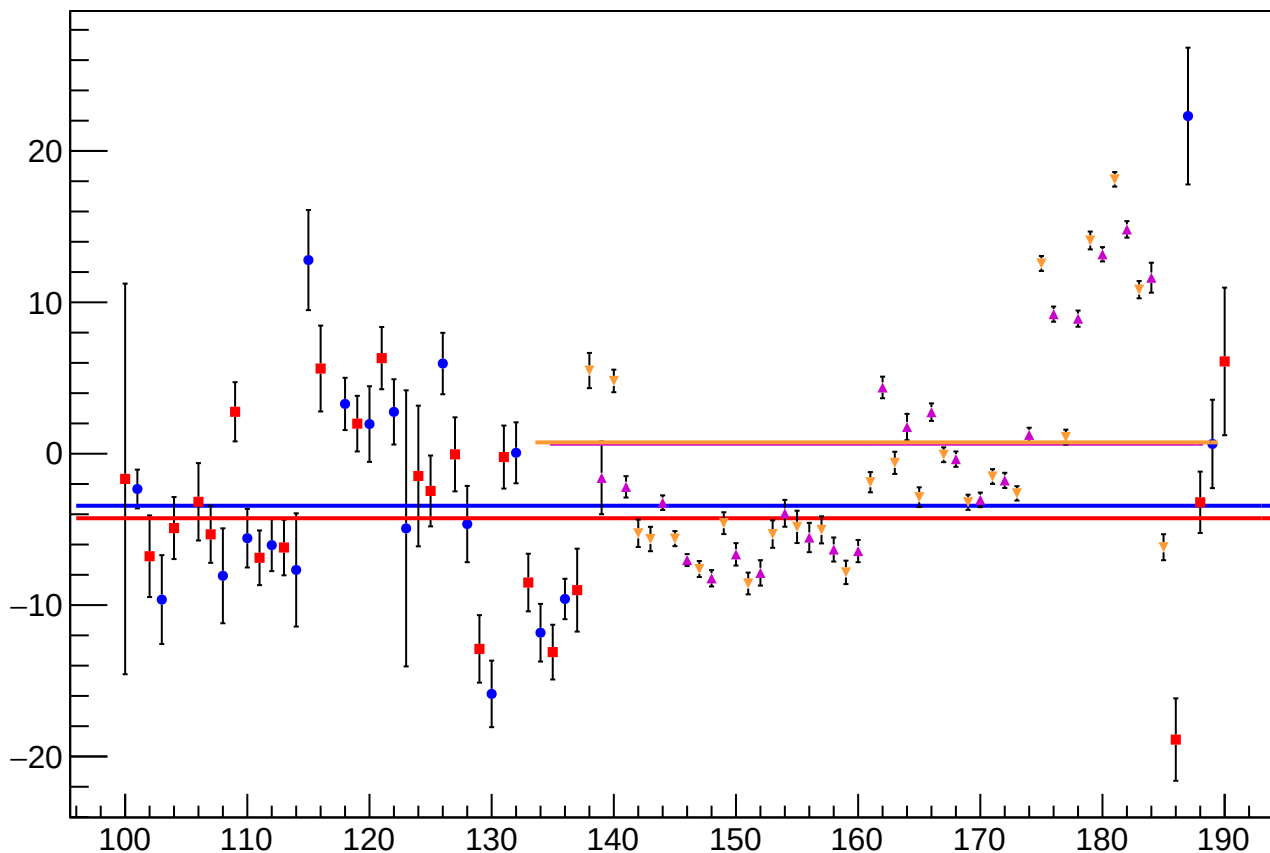
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -39.840 ± 0.153 $\chi^2/\text{NDF}: 9867.8/26$

All: -39.207 ± 0.108 $\chi^2/\text{NDF}: 19395.2/52$

- sign -38.569 ± 0.153 $\chi^2/\text{NDF}: 9493.0/25$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.438 ± 0.489 χ^2/NDF : 196.1/18

Left Out: 0.749 ± 0.124 χ^2/NDF : 3970.9/24

Right Out: -4.263 ± 0.482 χ^2/NDF : 156.1/21

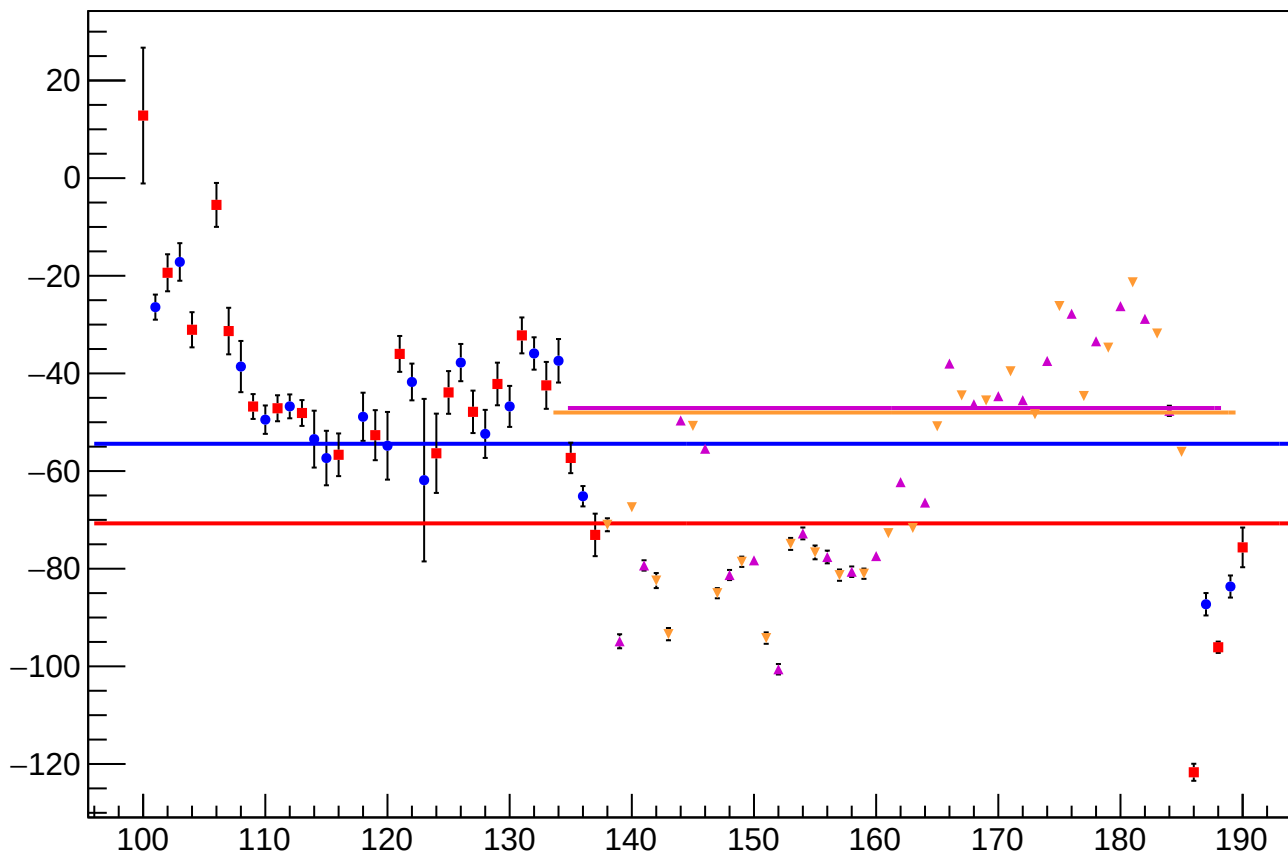
Left In: 0.660 ± 0.124 χ^2/NDF : 3337.8/22

+ sign 0.496 ± 0.120 χ^2/NDF : 4235.8/43

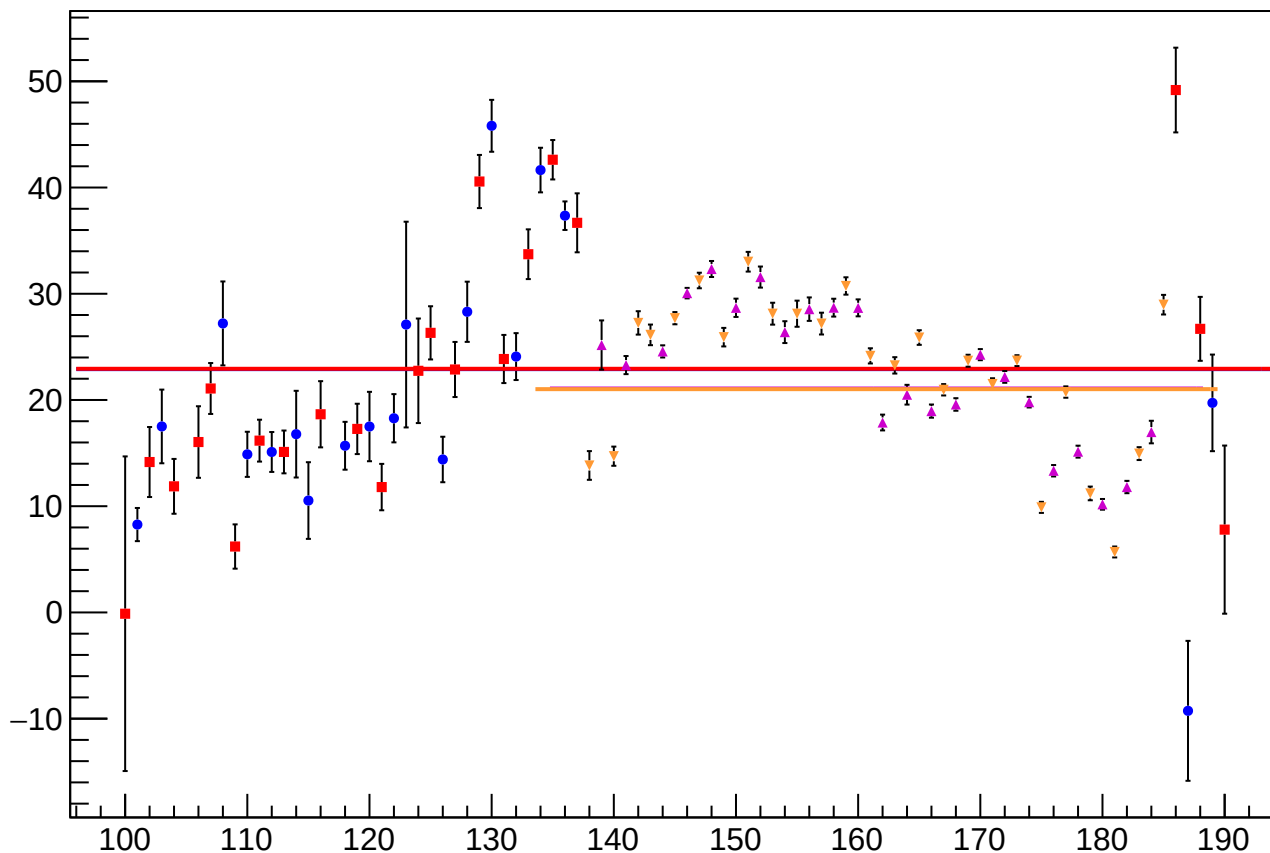
All: 0.424 ± 0.085 χ^2/NDF : 7828.2/88

- sign 0.353 ± 0.120 χ^2/NDF : 3591.6/44

reg_asym_sam3_diff_bpm4eX_slope vs Slug



reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.904 $\pm$ 0.554 χ^2 /NDF: 481.5/18

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF:2799.3/24

Right Out: 22.937 $\pm$ 0.556 χ^2 /NDF: 415.9/21

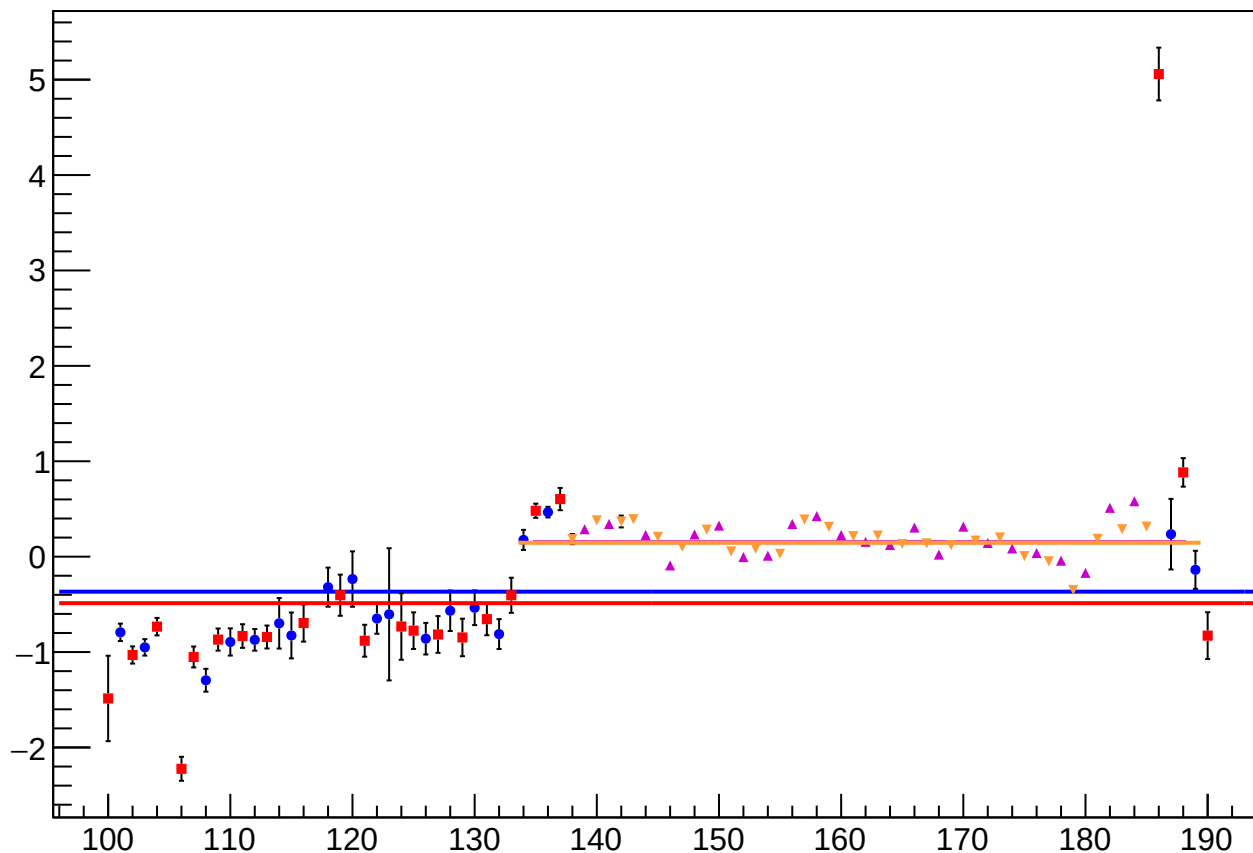
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

+ sign 21.131 $\pm$ 0.135 χ^2 /NDF: 3291.7/43

All: 21.160 $\pm$ 0.095 χ^2 /NDF: 5891.4/88

- sign 21.189 $\pm$ 0.135 χ^2 /NDF: 2599.6/44

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.367 ± 0.030 χ^2/NDF : 441.7/18

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.488 ± 0.029 χ^2/NDF : 1054.9/21

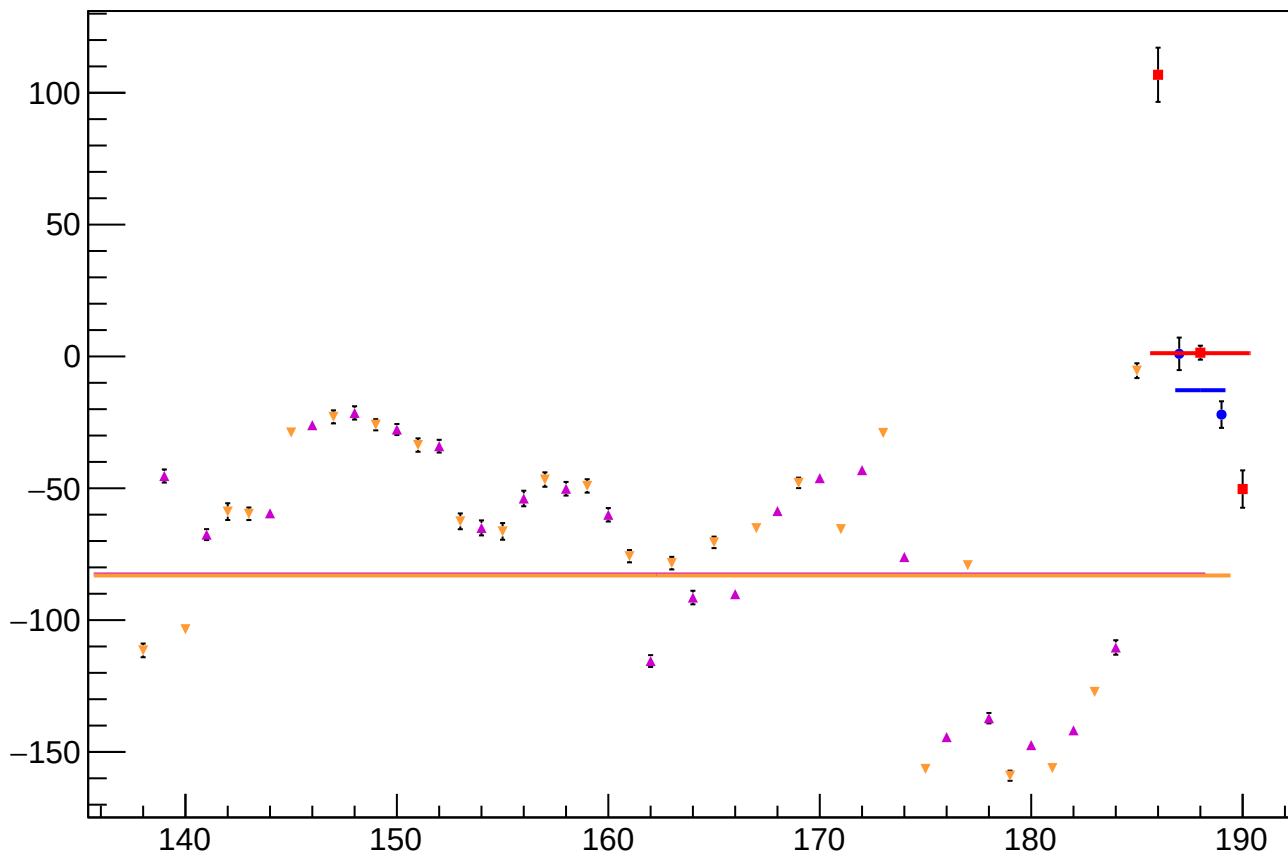
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.124 ± 0.006 χ^2/NDF : 1337.2/43

All: 0.123 ± 0.004 χ^2/NDF : 3716.1/88

- sign 0.122 ± 0.006 χ^2/NDF : 2378.9/44

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -12.810 ± 3.903 χ^2/NDF : 8.4/1

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: 1.237 ± 2.415 χ^2/NDF : 158.3/2

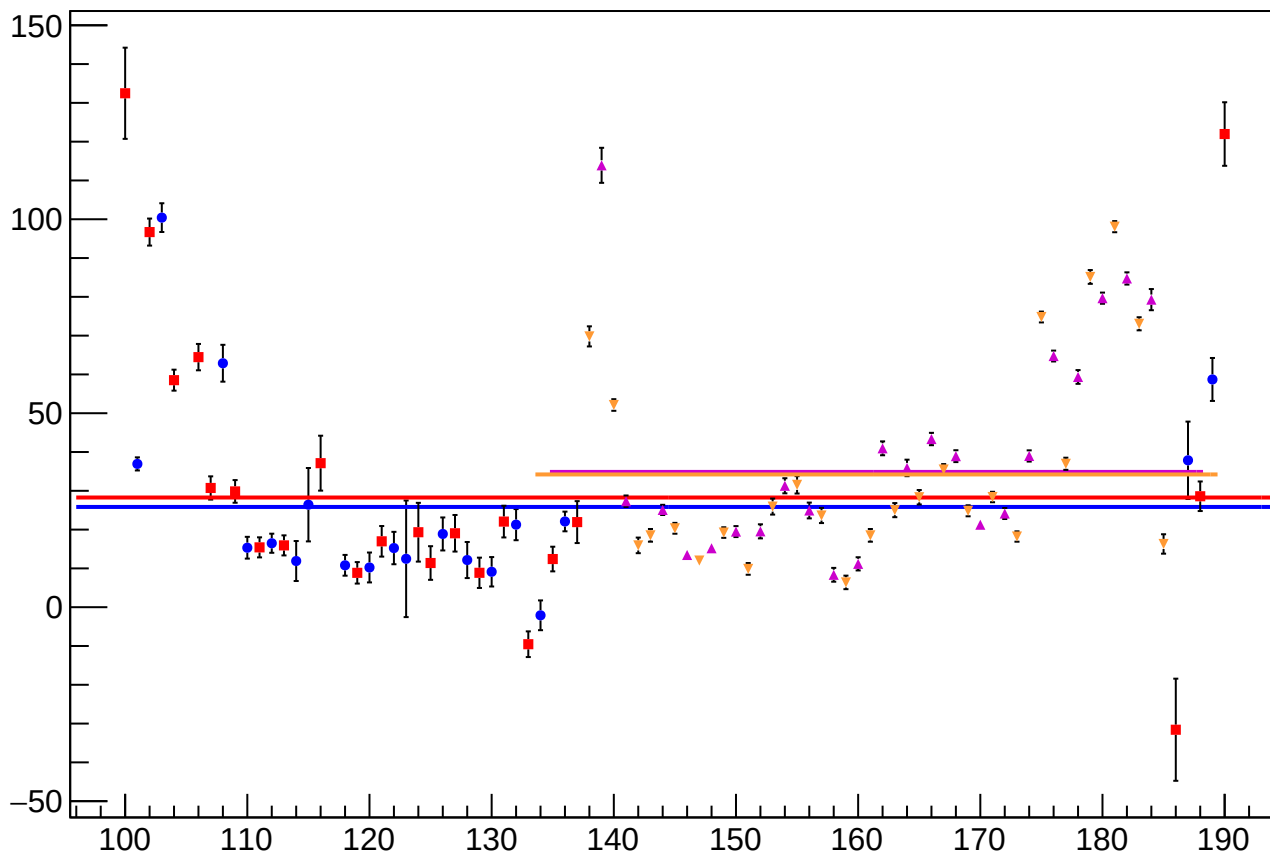
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -82.315 ± 0.404 χ^2/NDF : 14146.3/26

All: -81.320 ± 0.288 χ^2/NDF : 26331.8/52

- sign -80.302 ± 0.409 χ^2/NDF : 12173.3/25

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.841 ± 0.797 $\chi^2/\text{NDF}: 724.1/18$

Left Out: 34.219 ± 0.320 $\chi^2/\text{NDF}: 6192.6/24$

Right Out: 28.273 ± 0.788 $\chi^2/\text{NDF}: 1165.9/21$

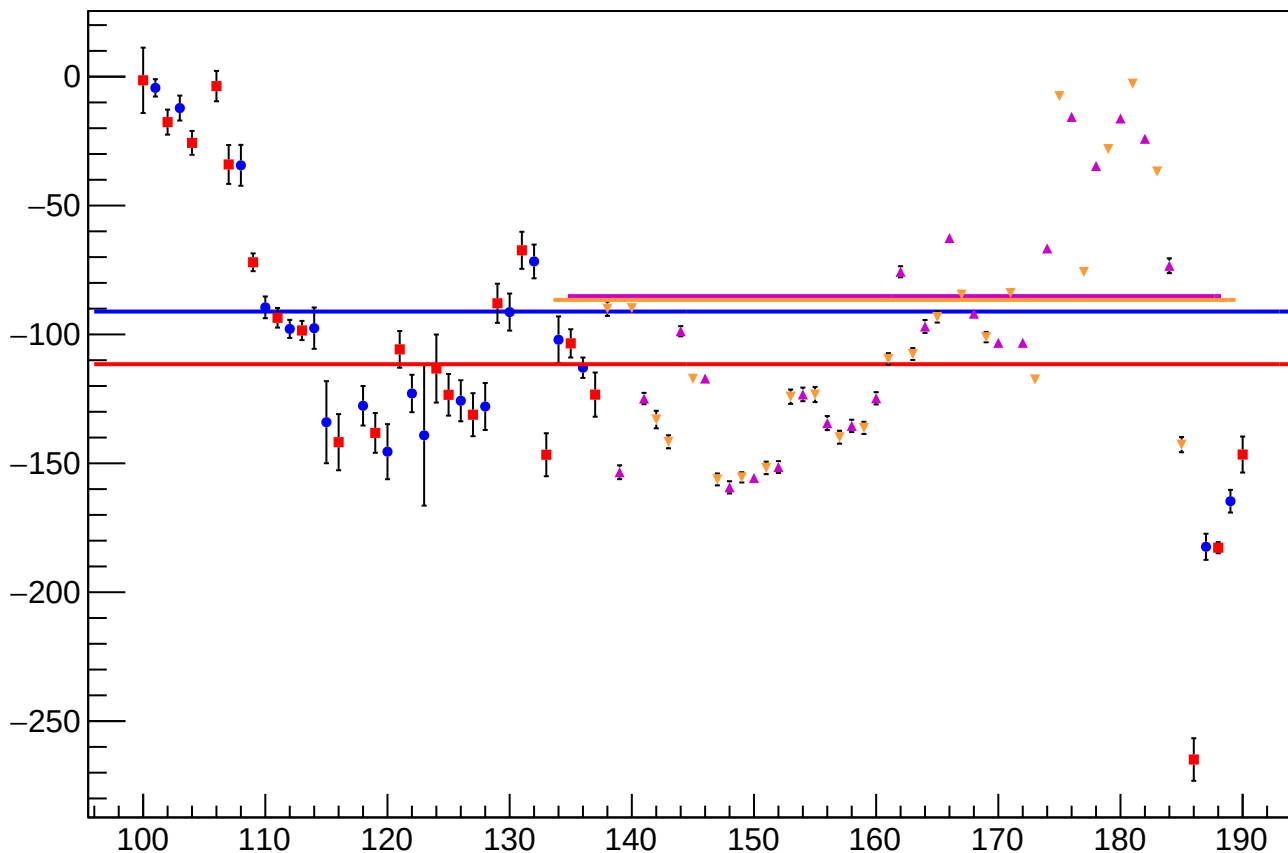
Left In: 34.870 ± 0.329 $\chi^2/\text{NDF}: 4716.1/22$

+ sign 33.053 ± 0.297 $\chi^2/\text{NDF}: 7011.9/43$

All: 33.462 ± 0.212 $\chi^2/\text{NDF}: 12957.5/88$

- sign 33.889 ± 0.304 $\chi^2/\text{NDF}: 5941.7/44$

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -91.118 ± 1.305 $\chi^2/\text{NDF}: 1744.1/18$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -111.547 ± 1.119 $\chi^2/\text{NDF}: 2968.6/21$

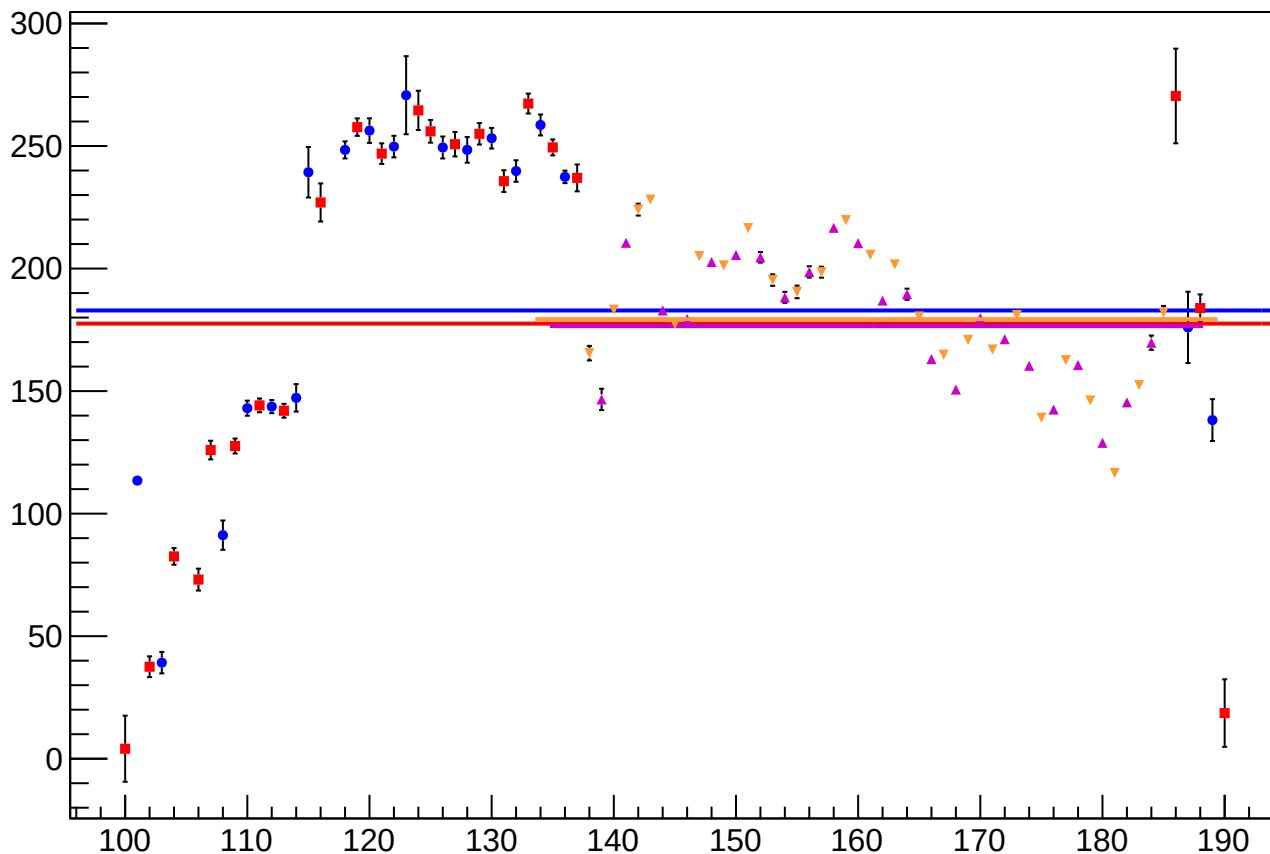
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -86.999 ± 0.390 $\chi^2/\text{NDF}: 16270.7/43$

All: -87.664 ± 0.275 $\chi^2/\text{NDF}: 32575.9/88$

- sign -88.326 ± 0.389 $\chi^2/\text{NDF}: 16299.4/44$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 182.901 ± 0.913 $\chi^2/\text{NDF}: 5346.3/18$

Left Out: 179.359 ± 0.362 $\chi^2/\text{NDF}: 5982.2/24$

Right Out: 177.539 ± 0.910 $\chi^2/\text{NDF}: 6494.0/21$

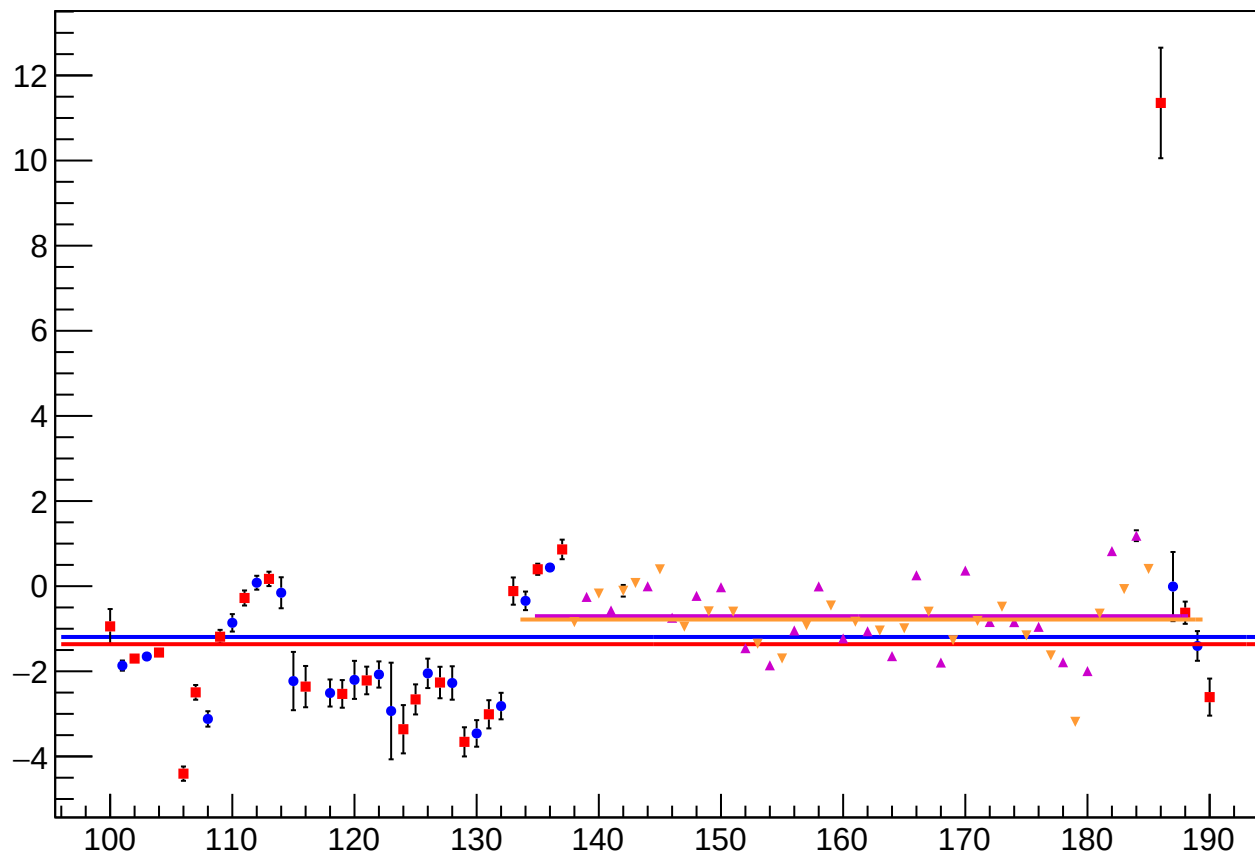
Left In: 176.531 ± 0.371 $\chi^2/\text{NDF}: 4426.0/22$

+ sign 179.840 ± 0.336 $\chi^2/\text{NDF}: 11341.5/43$

All: 178.290 ± 0.240 $\chi^2/\text{NDF}: 22305.9/88$

- sign 176.675 ± 0.343 $\chi^2/\text{NDF}: 10921.0/44$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 622.9/18

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.363 ± 0.045 χ^2/NDF : 1031.8/21

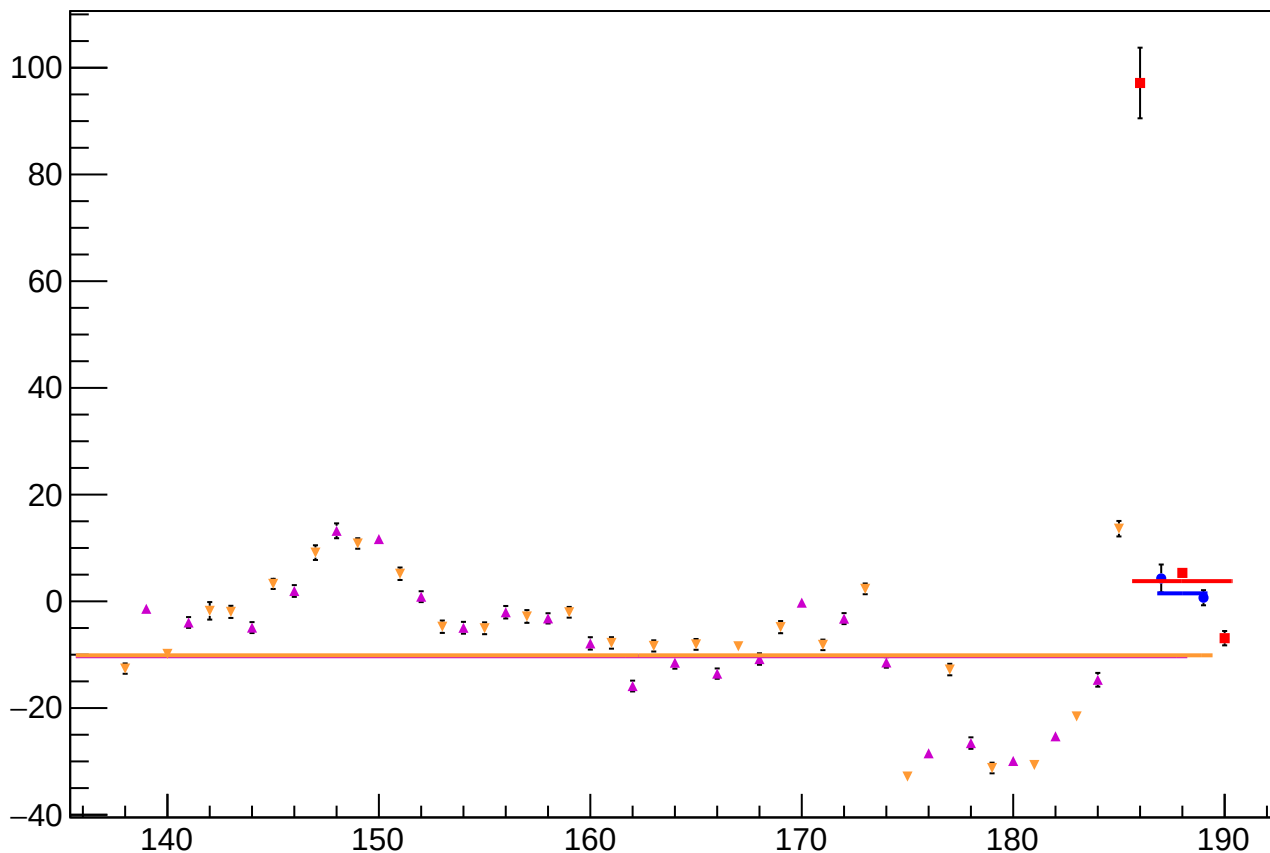
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.828 ± 0.016 χ^2/NDF : 2460.4/43

All: -0.807 ± 0.011 χ^2/NDF : 6091.4/88

- sign -0.787 ± 0.016 χ^2/NDF : 3627.6/44

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 1.496 $\pm$ 1.246 χ^2 /NDF: 1.5/1

Left Out: -10.117 $\pm$ 0.201 χ^2 /NDF: 4138.1/24

Right Out: 3.785 $\pm$ 0.576 χ^2 /NDF: 267.8/2

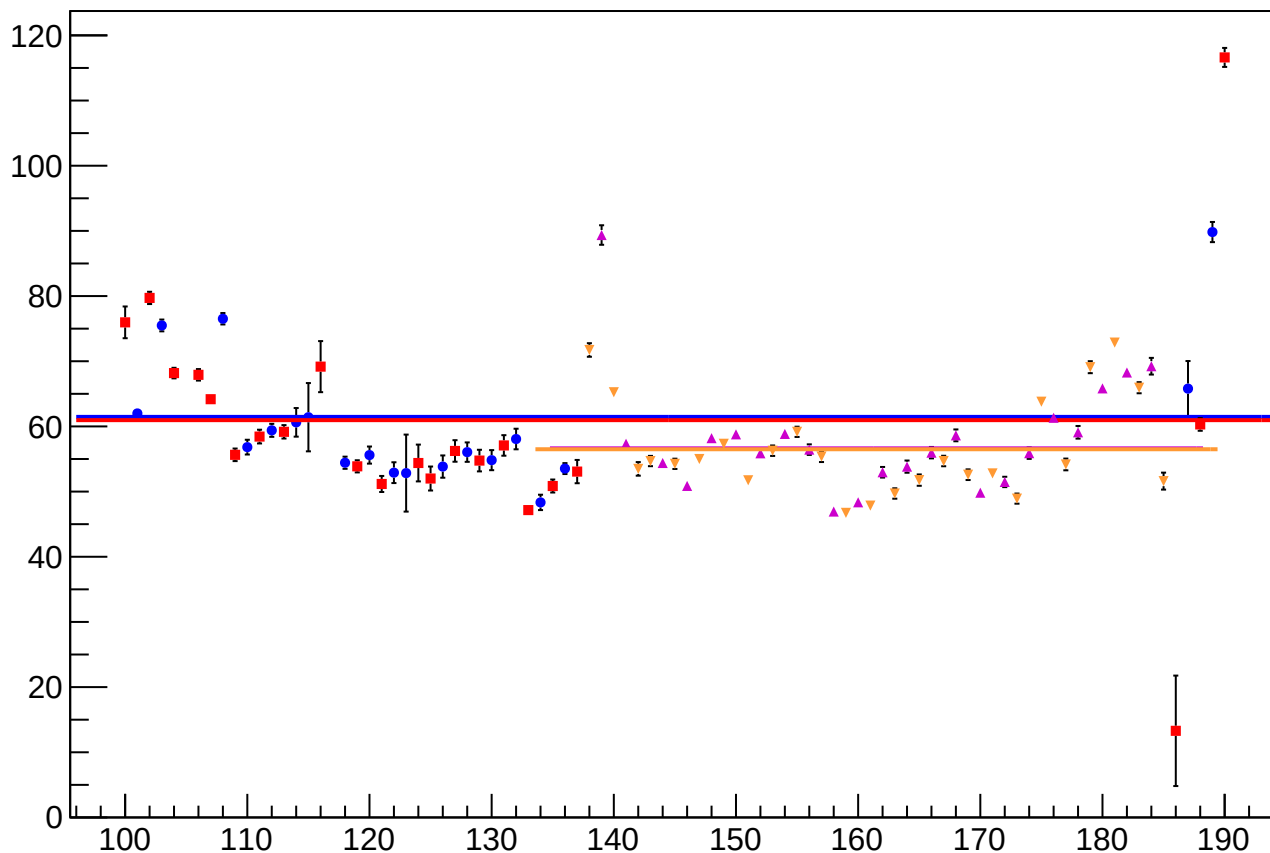
Left In: -10.290 $\pm$ 0.205 χ^2 /NDF: 3451.0/22

+ sign -9.822 $\pm$ 0.199 χ^2 /NDF: 4224.2/26

All: -9.246 $\pm$ 0.139 χ^2 /NDF: 8489.6/52

- sign -8.701 $\pm$ 0.193 χ^2 /NDF: 4249.0/25

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 61.463 $\pm$ 0.259 χ^2 /NDF: 1271.3/18

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF:1968.0/24

Right Out: 60.961 $\pm$ 0.237 χ^2 /NDF: 2853.8/21

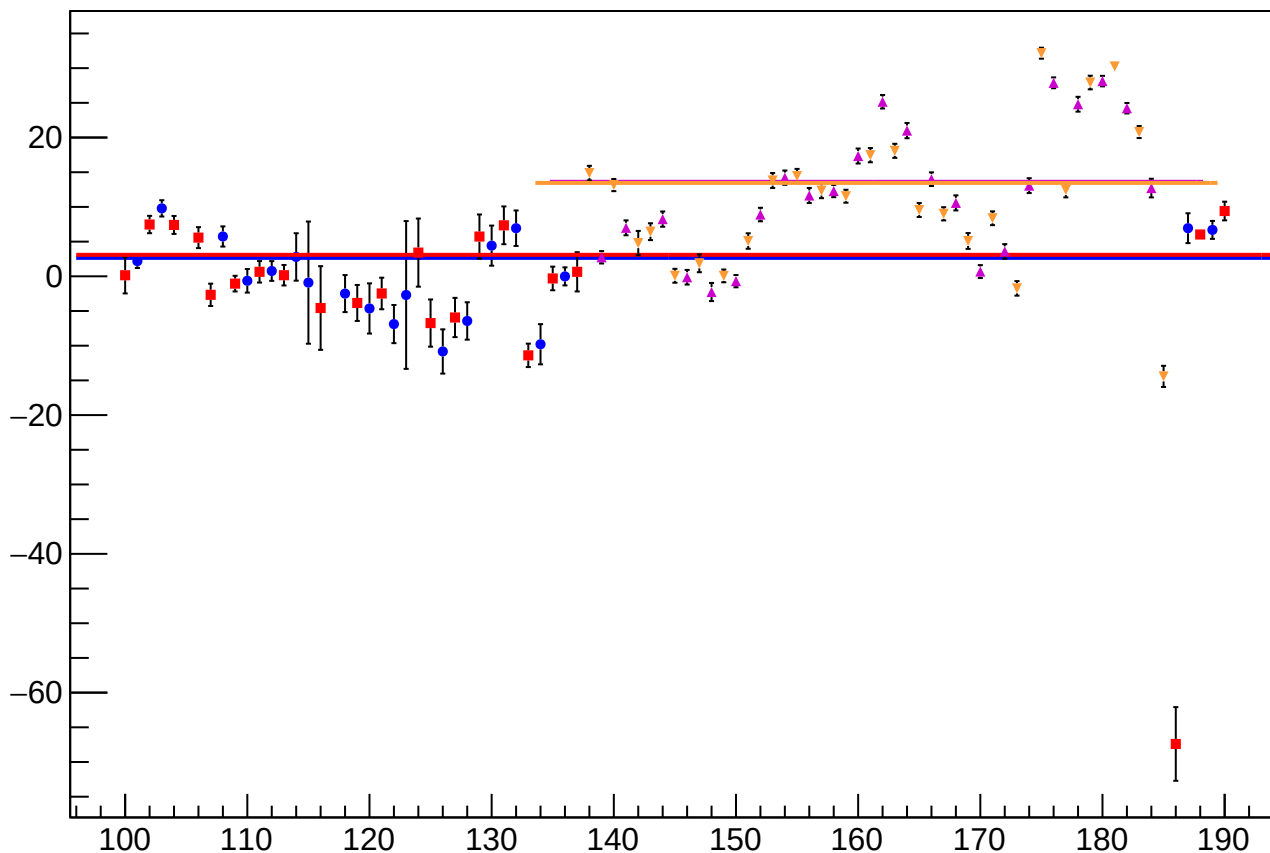
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 57.853 $\pm$ 0.135 χ^2 /NDF: 3506.3/43

All: 57.951 $\pm$ 0.096 χ^2 /NDF: 8193.3/88

- sign 58.049 $\pm$ 0.135 χ^2 /NDF: 4686.0/44

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 2.659 ± 0.424 χ^2/NDF : 136.3/18

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 3.096 ± 0.319 χ^2/NDF : 404.8/21

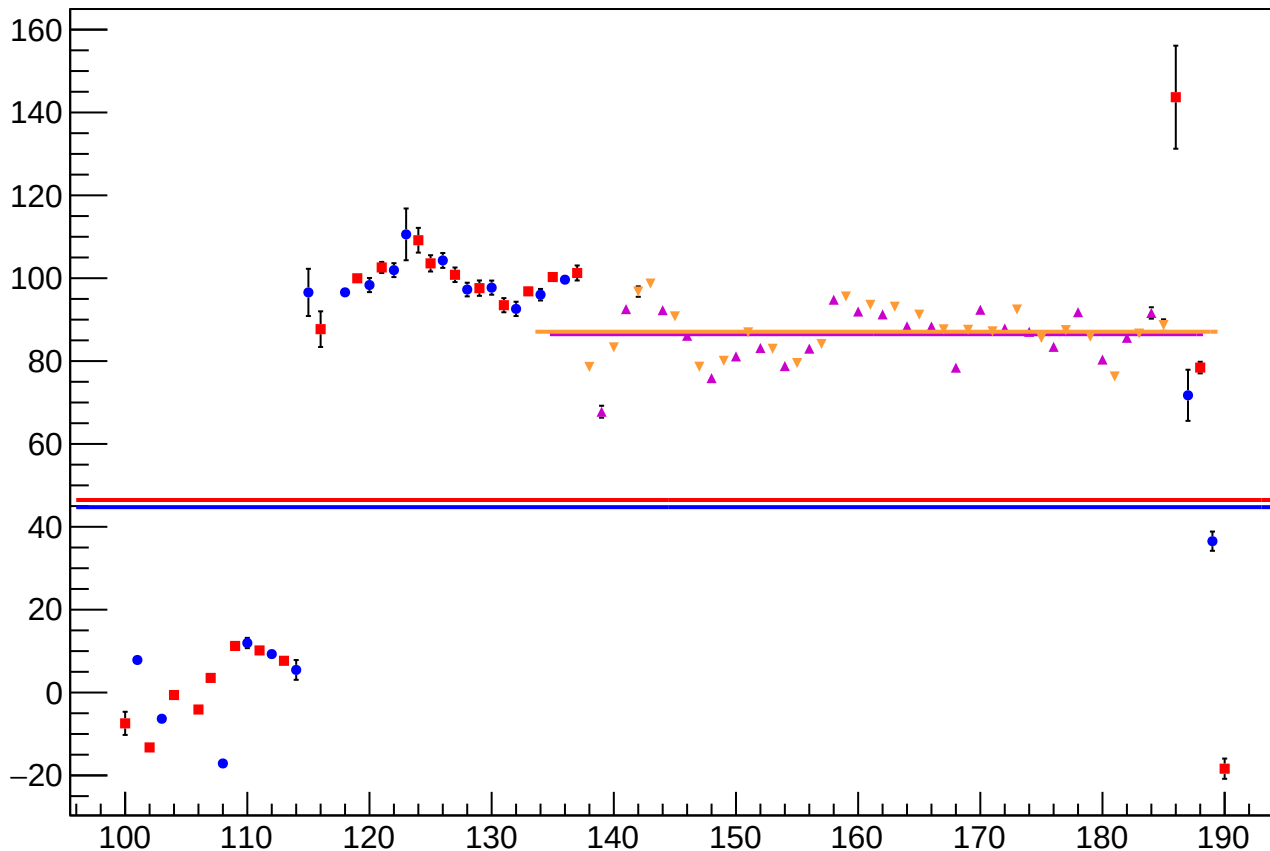
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.474 ± 0.182 χ^2/NDF : 3401.5/43

All: 10.989 ± 0.125 χ^2/NDF : 6907.0/88

- sign 10.555 ± 0.172 χ^2/NDF : 3492.0/44

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.742 $\pm$ 0.302 χ^2 /NDF: 24731.8/18

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 46.470 $\pm$ 0.282 χ^2 /NDF: 29508.7/21

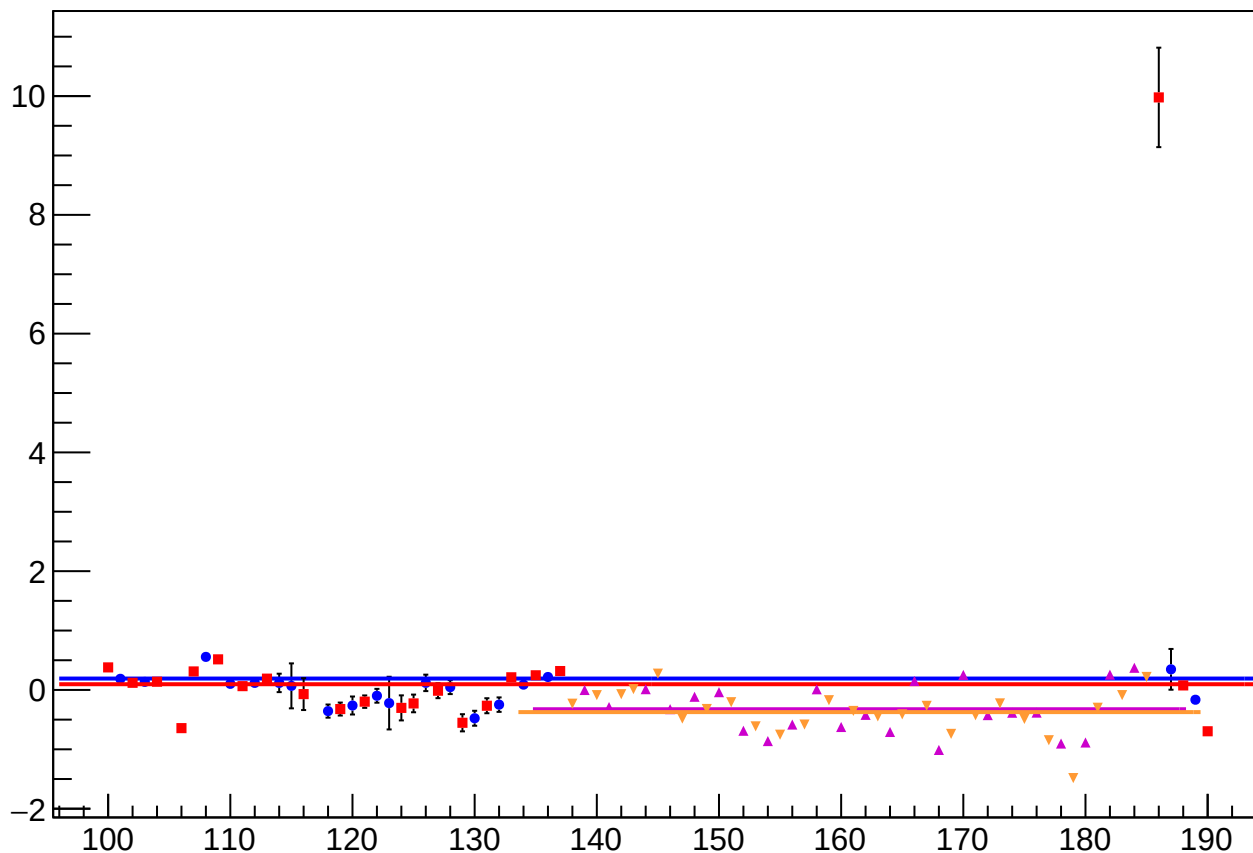
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 76.073 $\pm$ 0.154 χ^2 /NDF: 40359.9/43

All: 75.269 $\pm$ 0.109 χ^2 /NDF: 85038.8/88

- sign 74.461 $\pm$ 0.154 χ^2 /NDF: 44624.3/44

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.192 ± 0.014 χ^2/NDF : 235.9/18

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: 0.096 ± 0.013 χ^2/NDF : 746.6/21

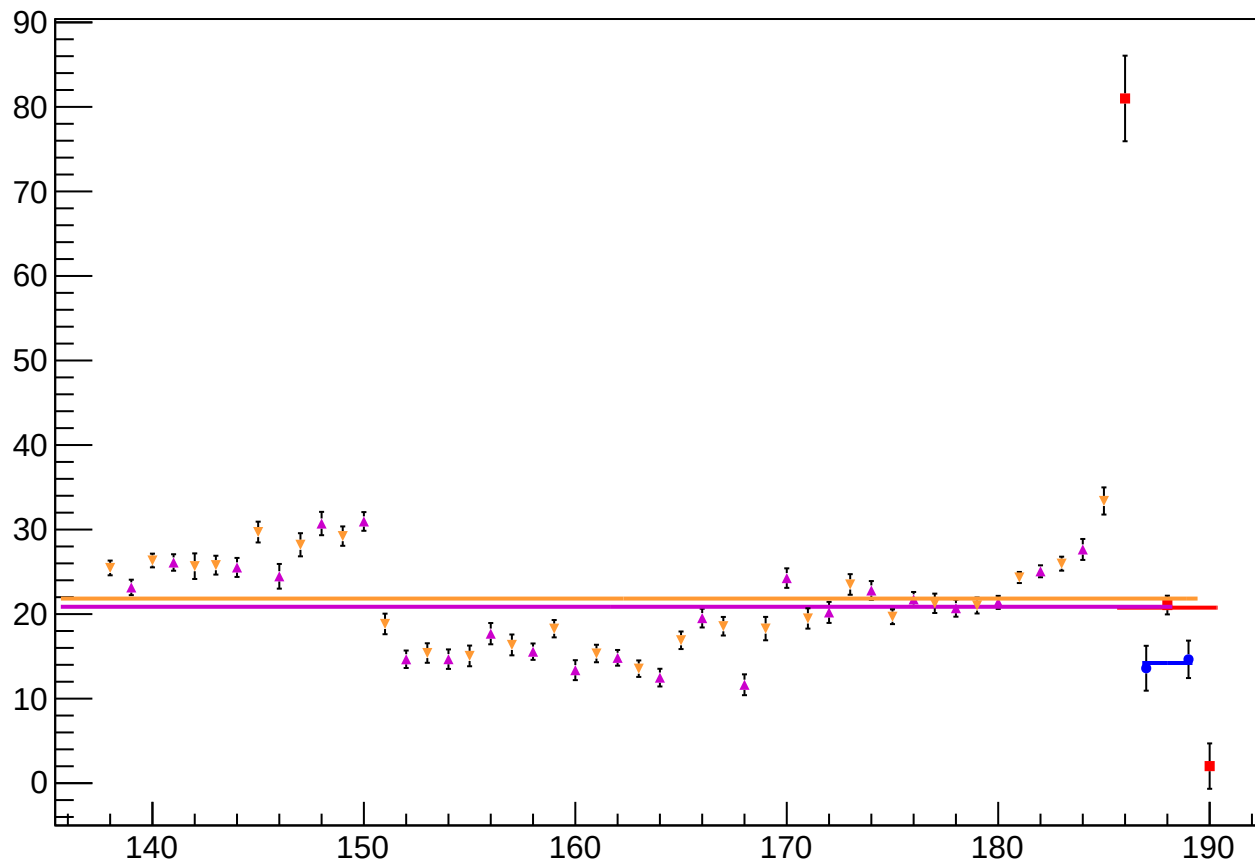
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.228 ± 0.007 χ^2/NDF : 3143.7/43

All: -0.213 ± 0.005 χ^2/NDF : 6970.7/88

- sign -0.199 ± 0.007 χ^2/NDF : 3818.0/44

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 14.216 $\pm$ 1.700 χ^2 /NDF: 0.1/1

Left Out: 21.836 $\pm$ 0.210 χ^2 /NDF: 524.3/24

Right Out: 20.763 $\pm$ 1.003 χ^2 /NDF: 190.4/2

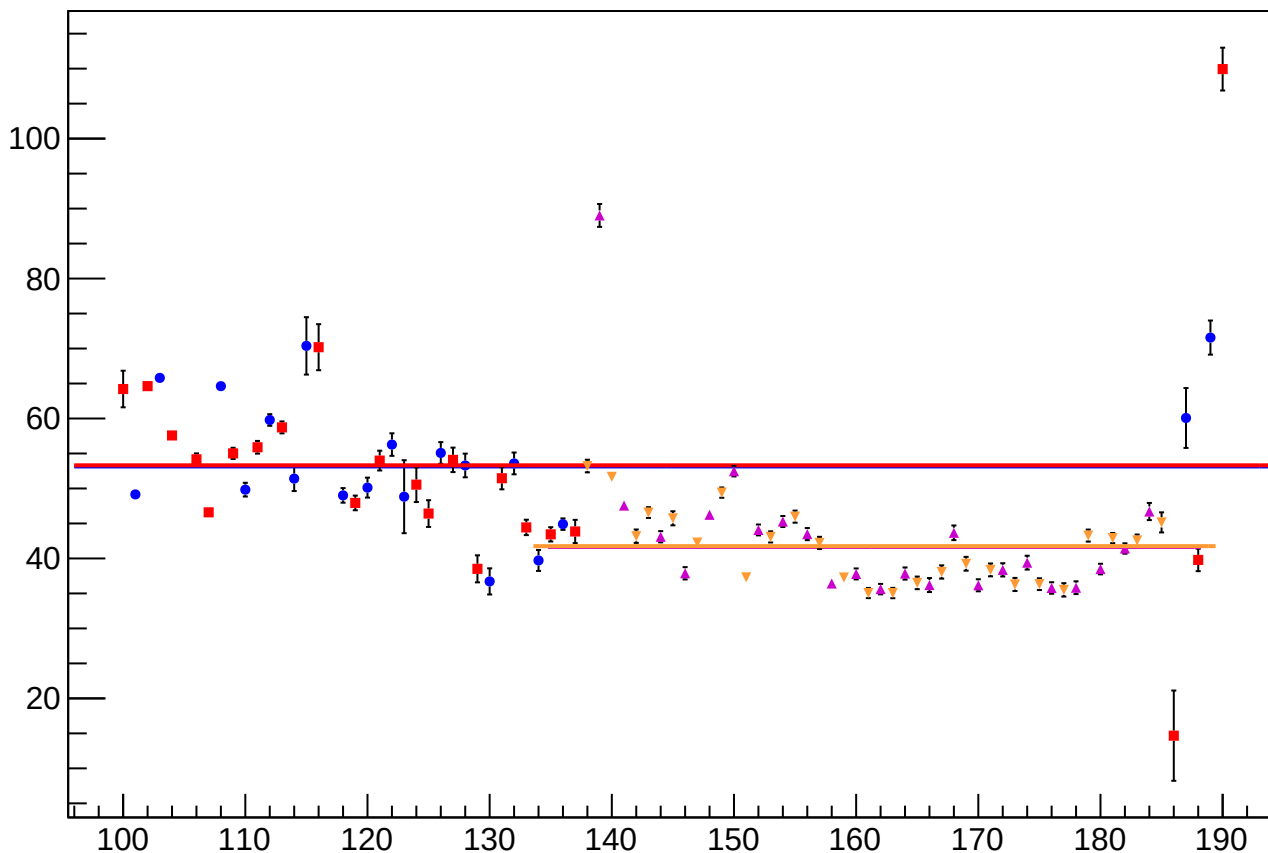
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 21.722 $\pm$ 0.208 χ^2 /NDF: 544.2/26

All: 21.299 $\pm$ 0.148 χ^2 /NDF: 1319.9/52

- sign 20.861 $\pm$ 0.212 χ^2 /NDF: 767.3/25

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 53.149 $\pm$ 0.210 χ^2 /NDF: 1258.1/18

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF: 1015.7/24

Right Out: 53.309 $\pm$ 0.224 χ^2 /NDF: 1325.5/21

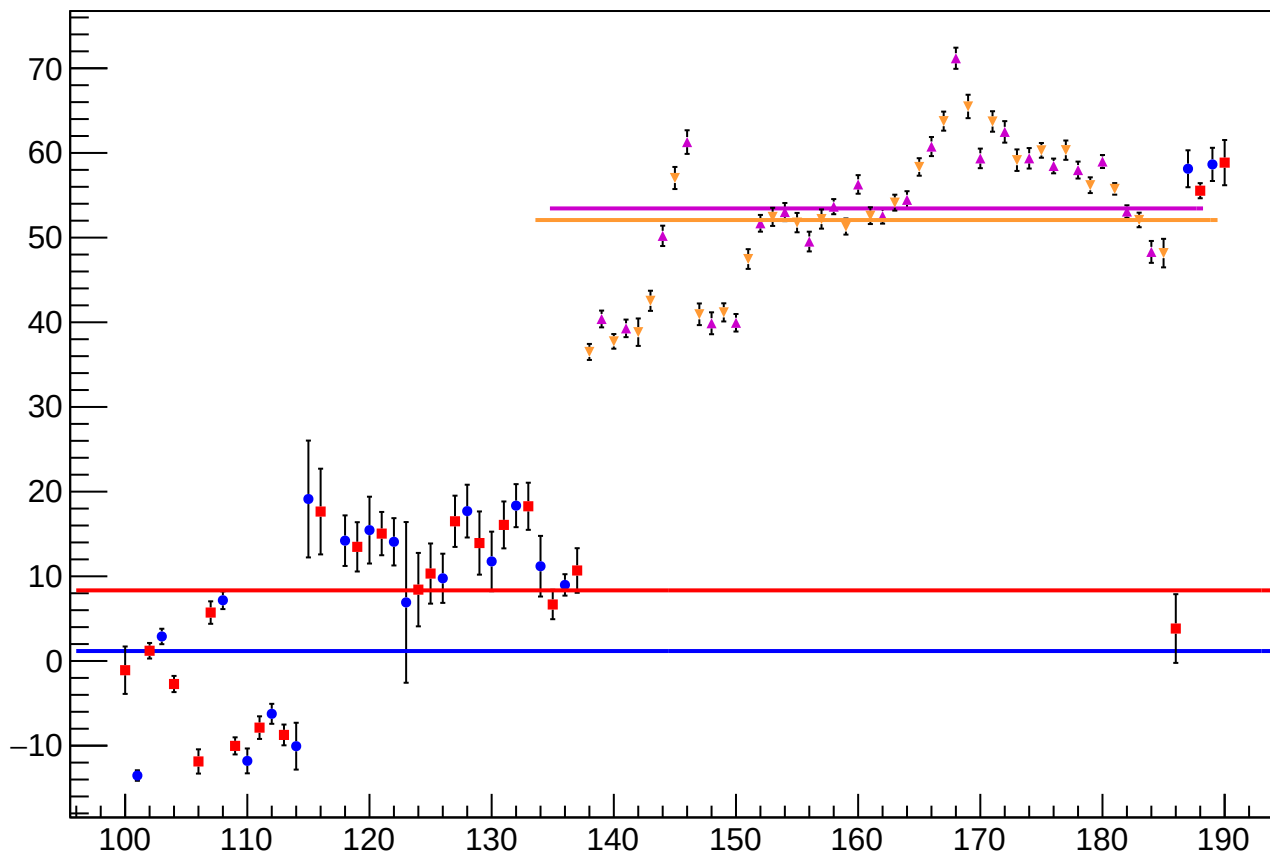
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF: 1611.0/22

+ sign 46.117 $\pm$ 0.130 χ^2 /NDF: 4090.2/43

All: 46.076 $\pm$ 0.094 χ^2 /NDF: 8721.6/88

- sign 46.030 $\pm$ 0.137 χ^2 /NDF: 4631.2/44

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 1.175 ± 0.354 χ^2/NDF : 2469.7/18

Left Out: 52.076 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: 8.339 ± 0.343 χ^2/NDF : 4279.7/21

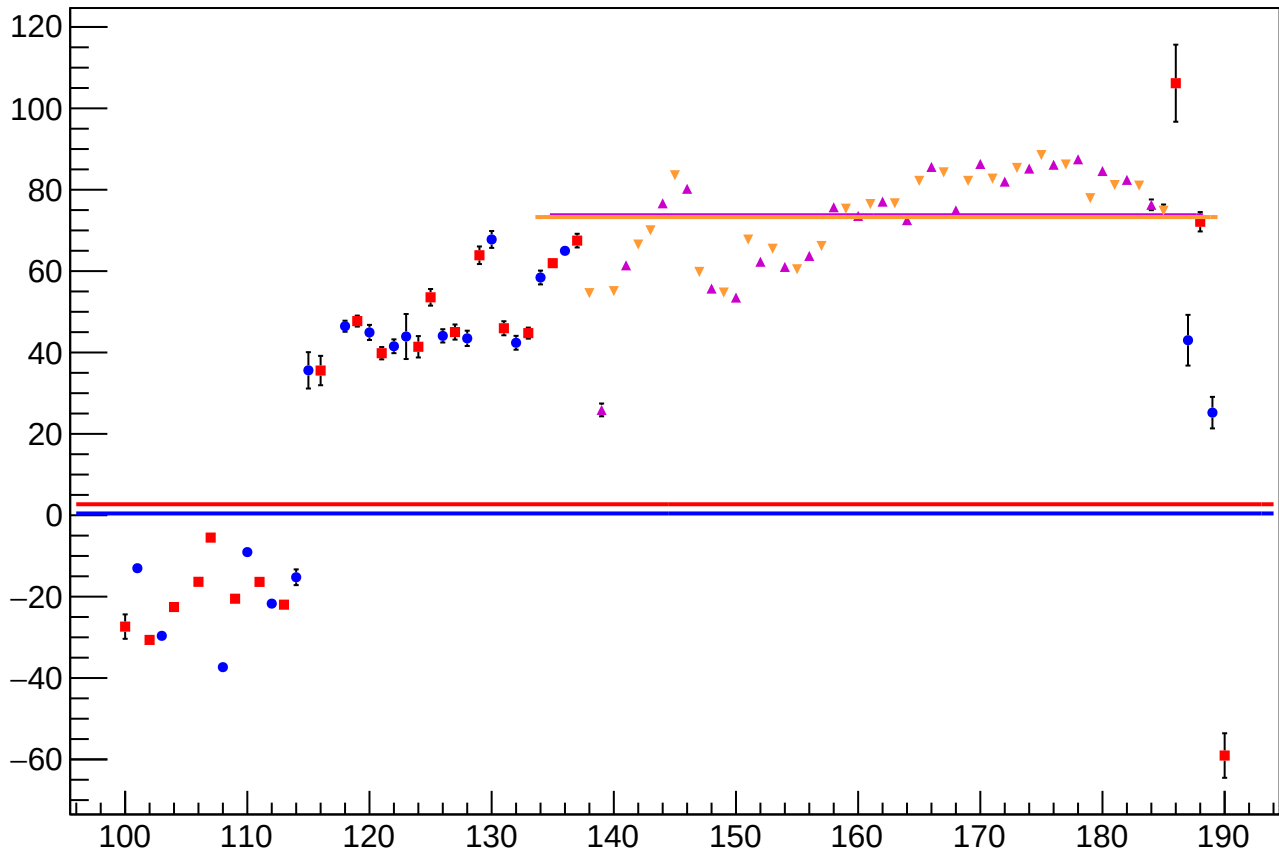
Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

+ sign 38.811 ± 0.181 χ^2/NDF : 19230.2/43

All: 39.752 ± 0.128 χ^2/NDF : 37120.9/88

- sign 40.711 ± 0.182 χ^2/NDF : 17836.0/44

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.444 ± 0.247 χ^2/NDF : 18308.1/18

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.703 ± 0.265 χ^2/NDF : 16517.9/21

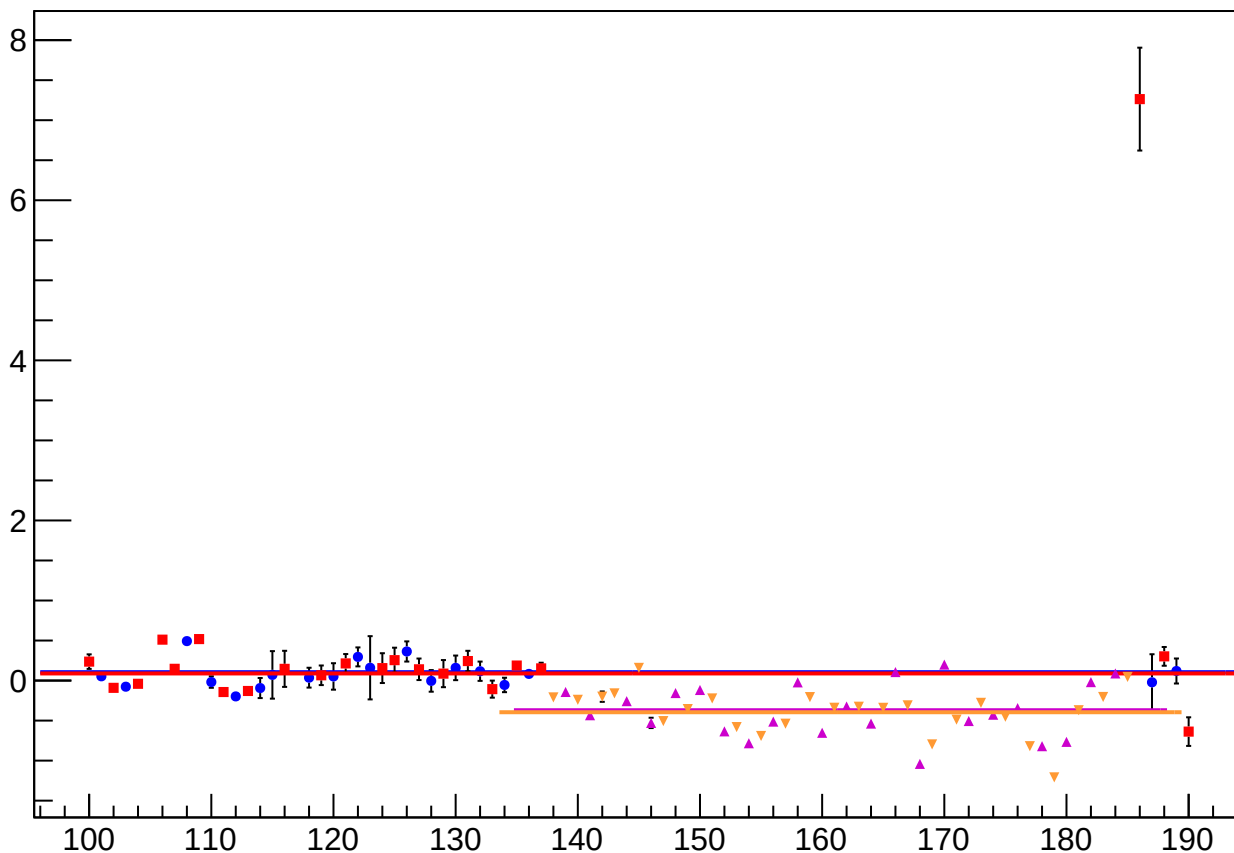
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.765 ± 0.149 χ^2/NDF : 76781.8/43

All: 47.758 ± 0.108 χ^2/NDF : 143950.9/88

- sign 48.855 ± 0.157 χ^2/NDF : 67075.7/44

reg_asym_sam6_diff_bpm12X_slope vs Slug



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: 0.089 ± 0.011 $\chi^2/\text{NDF}: 535.2/21$

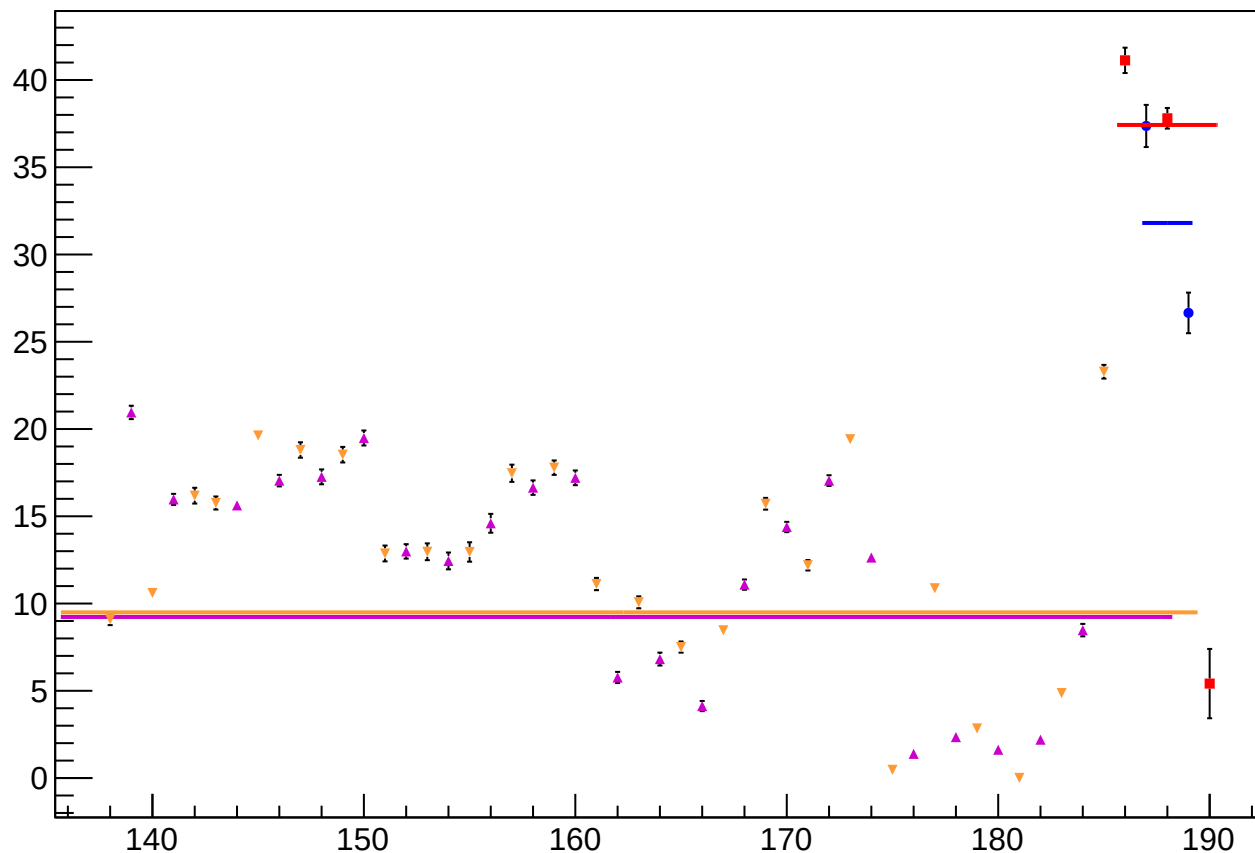
Left In: -0.371 ± 0.009 $\chi^2/\text{NDF}: 1313.7/22$

+ sign -0.208 ± 0.007 $\chi^2/\text{NDF}: 2639.8/43$

All: -0.200 ± 0.005 $\chi^2/\text{NDF}: 5571.1/88$

- sign -0.193 ± 0.007 $\chi^2/\text{NDF}: 2928.9/44$

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 31.807 $\pm$ 0.838 χ^2 /NDF: 40.8/1

Left Out: 9.495 $\pm$ 0.061 χ^2 /NDF:12609.1/24

Right Out: 37.423 $\pm$ 0.447 χ^2 /NDF: 285.9/2

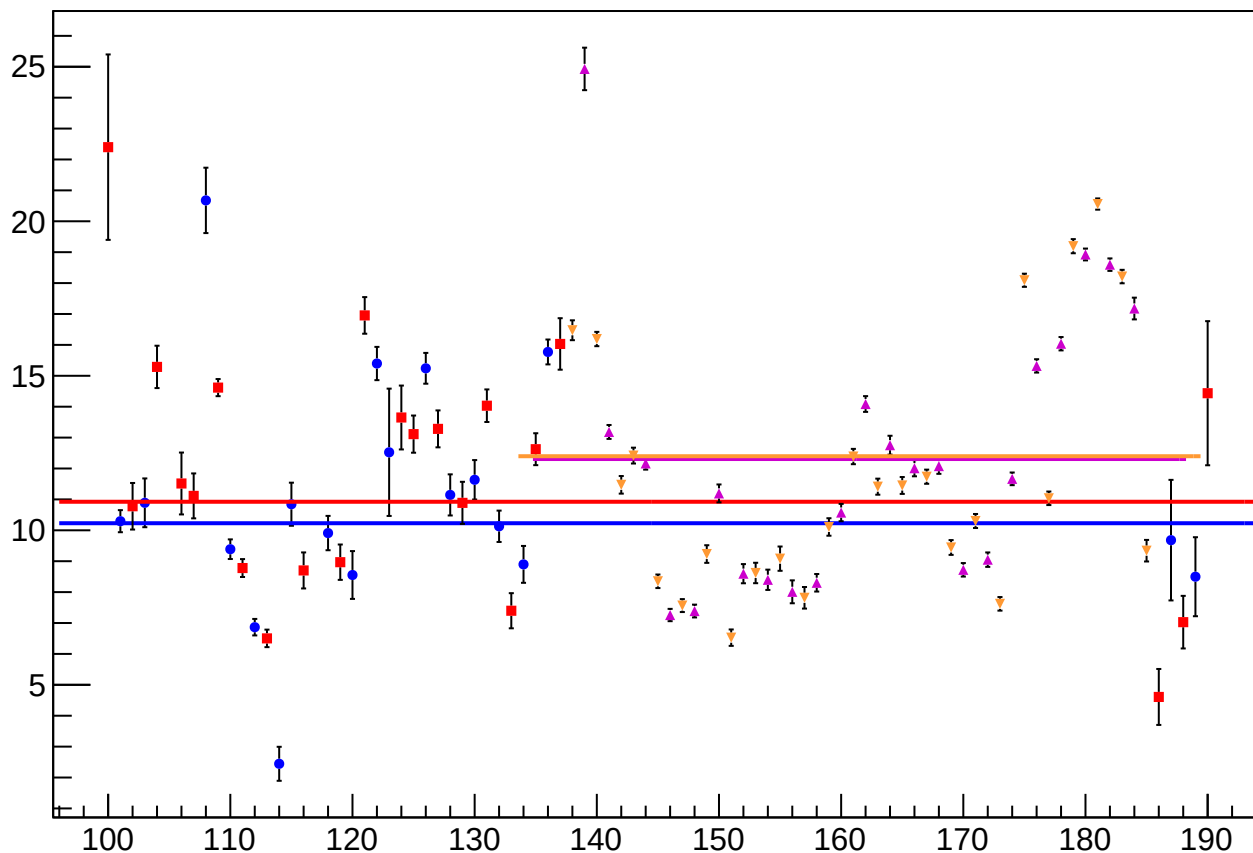
Left In: 9.231 $\pm$ 0.063 χ^2 /NDF:10736.2/22

+ sign 9.613 $\pm$ 0.061 χ^2 /NDF: 13355.2/26

All: 9.695 $\pm$ 0.044 χ^2 /NDF: 28285.4/52

- sign 9.781 $\pm$ 0.062 χ^2 /NDF: 14926.5/25

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.229 ± 0.119 χ^2/NDF : 868.0/18

Left Out: 12.397 ± 0.050 χ^2/NDF : 7542.8/24

Right Out: 10.924 ± 0.114 χ^2/NDF : 890.7/21

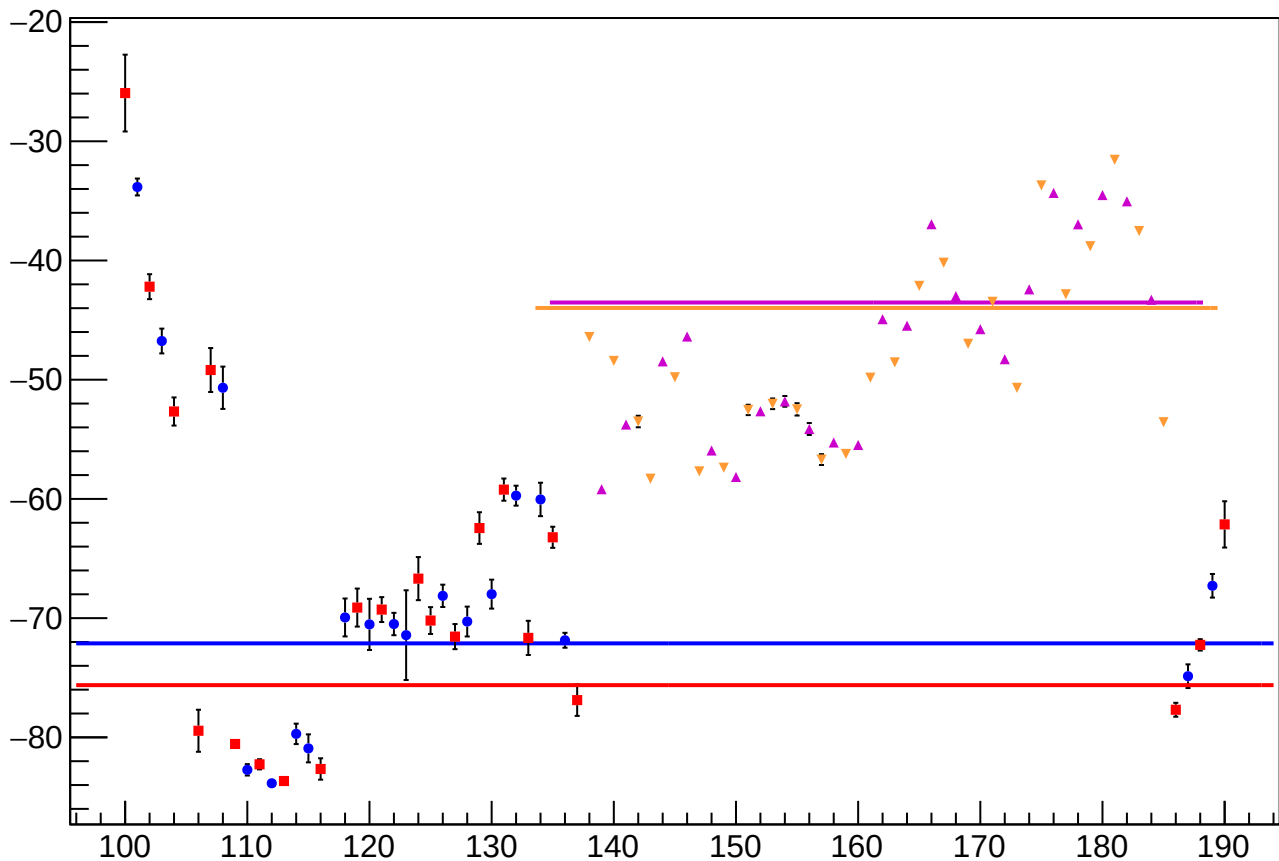
Left In: 12.307 ± 0.051 χ^2/NDF : 5601.8/22

+ sign 12.075 ± 0.046 χ^2/NDF : 8693.8/43

All: 12.075 ± 0.033 χ^2/NDF : 15308.2/88

- sign 12.076 ± 0.047 χ^2/NDF : 6614.3/44

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.116 ± 0.191 χ^2/NDF : 5594.4/18

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -75.621 ± 0.162 χ^2/NDF : 3574.9/21

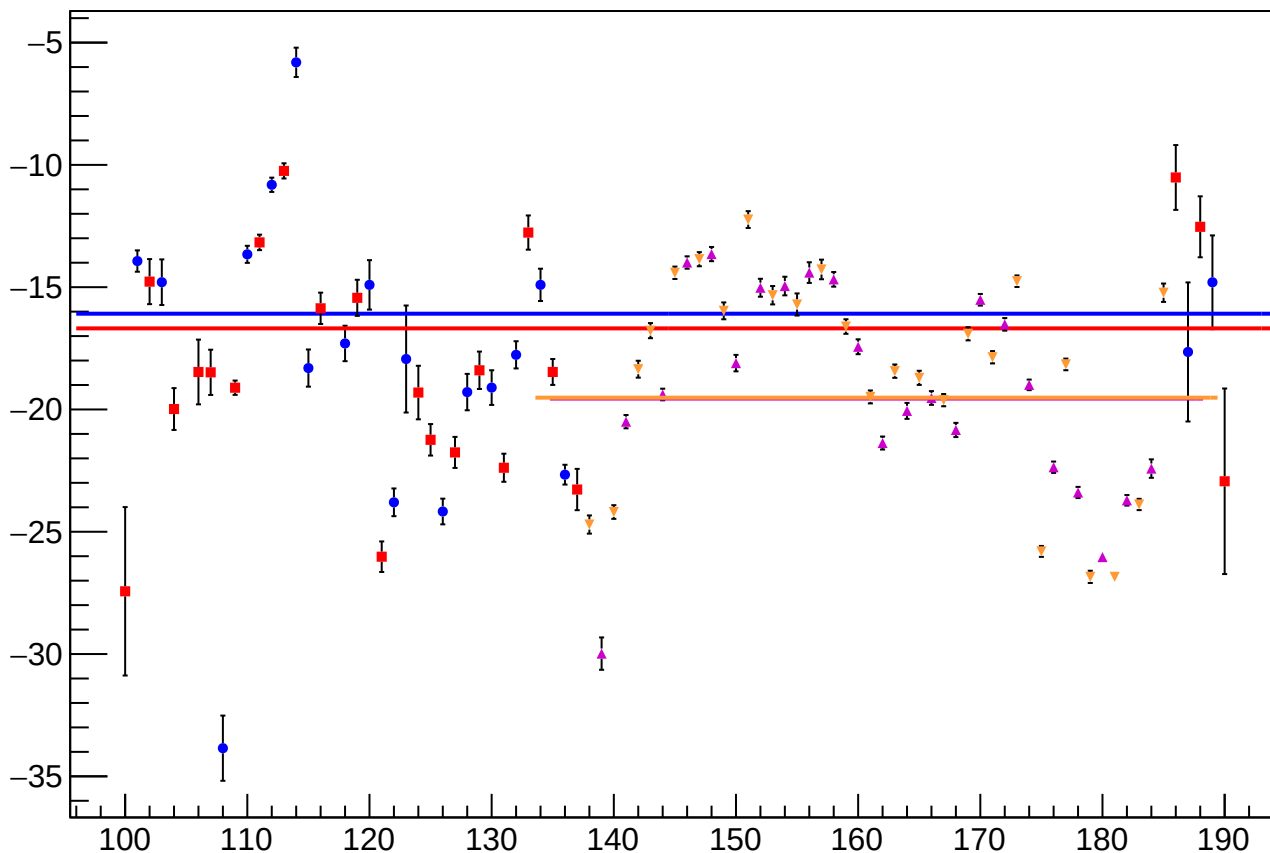
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -46.660 ± 0.059 χ^2/NDF : 42976.3/43

All: -47.215 ± 0.042 χ^2/NDF : 96007.8/88

- sign -47.772 ± 0.059 χ^2/NDF : 52853.7/44

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.084 ± 0.132 χ^2/NDF : 1621.4/18

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.685 ± 0.127 χ^2/NDF : 1247.3/21

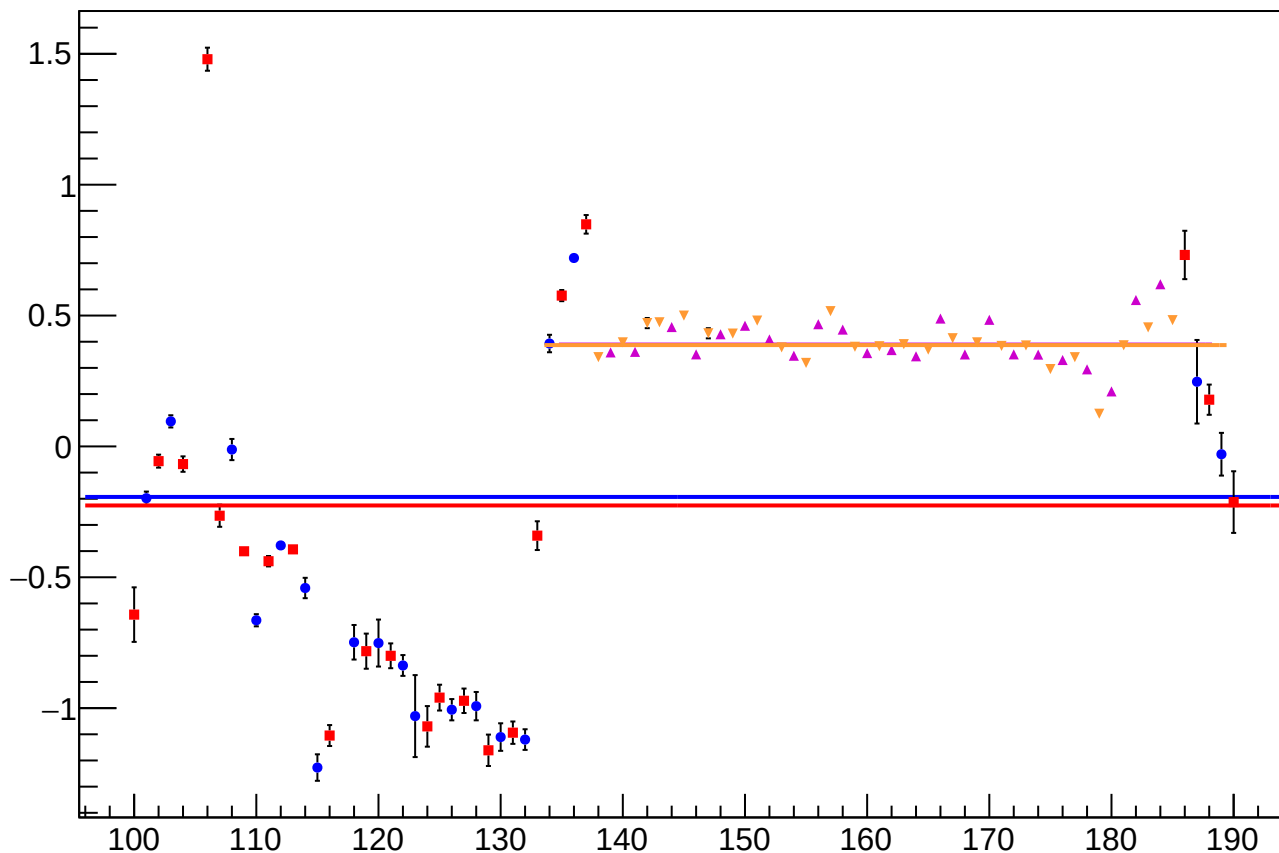
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.000 ± 0.051 χ^2/NDF : 8711.0/43

All: -19.034 ± 0.037 χ^2/NDF : 14694.5/88

- sign -19.069 ± 0.052 χ^2/NDF : 5982.7/44

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.193 ± 0.008 χ^2/NDF : 6328.2/18

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.226 ± 0.007 χ^2/NDF : 6335.8/21

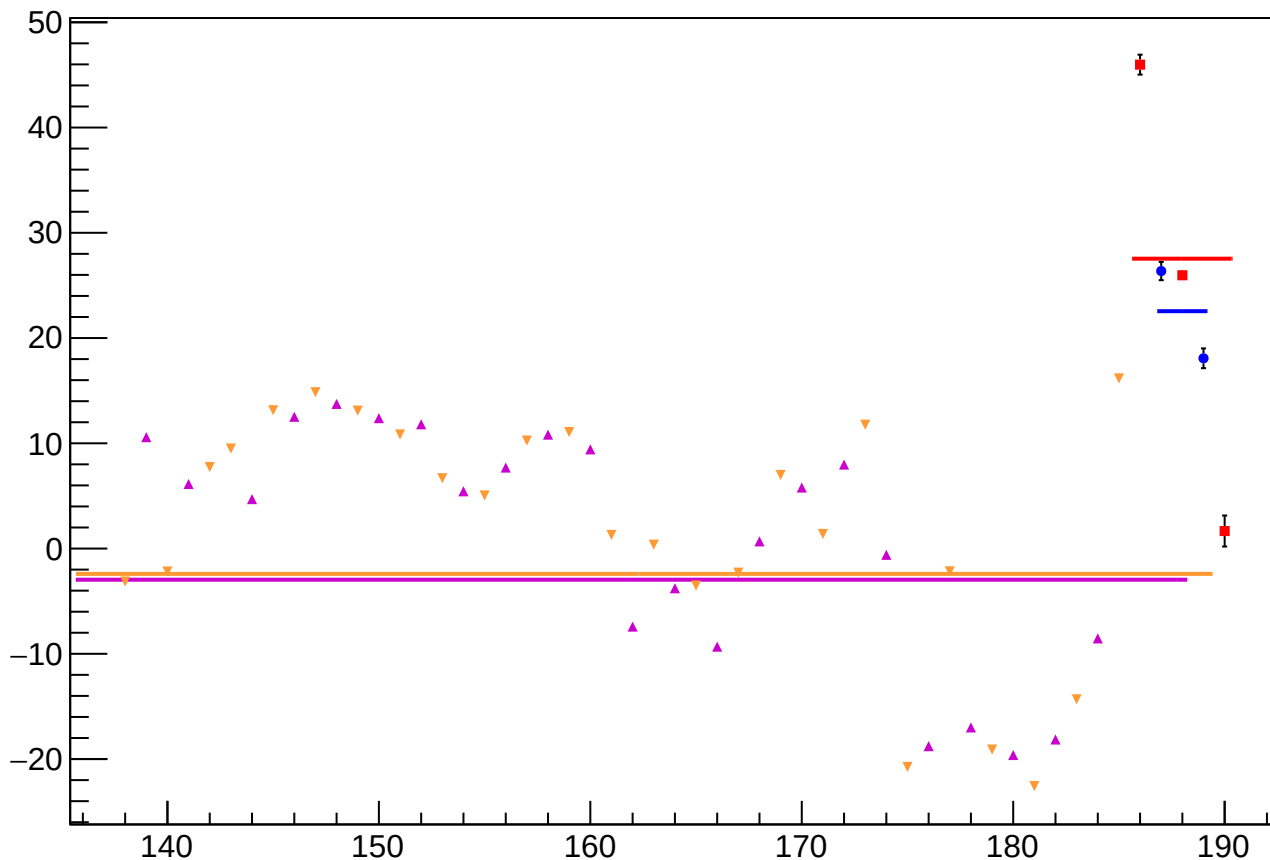
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.327 ± 0.002 χ^2/NDF : 12662.0/43

All: 0.321 ± 0.002 χ^2/NDF : 26872.8/88

- sign 0.315 ± 0.002 χ^2/NDF : 14199.7/44

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.552 $\pm$ 0.638 χ^2 /NDF: 42.0/1

Left Out: -2.407 $\pm$ 0.053 χ^2 /NDF: 56368.5/24

Right Out: 27.541 $\pm$ 0.377 χ^2 /NDF: 700.6/2

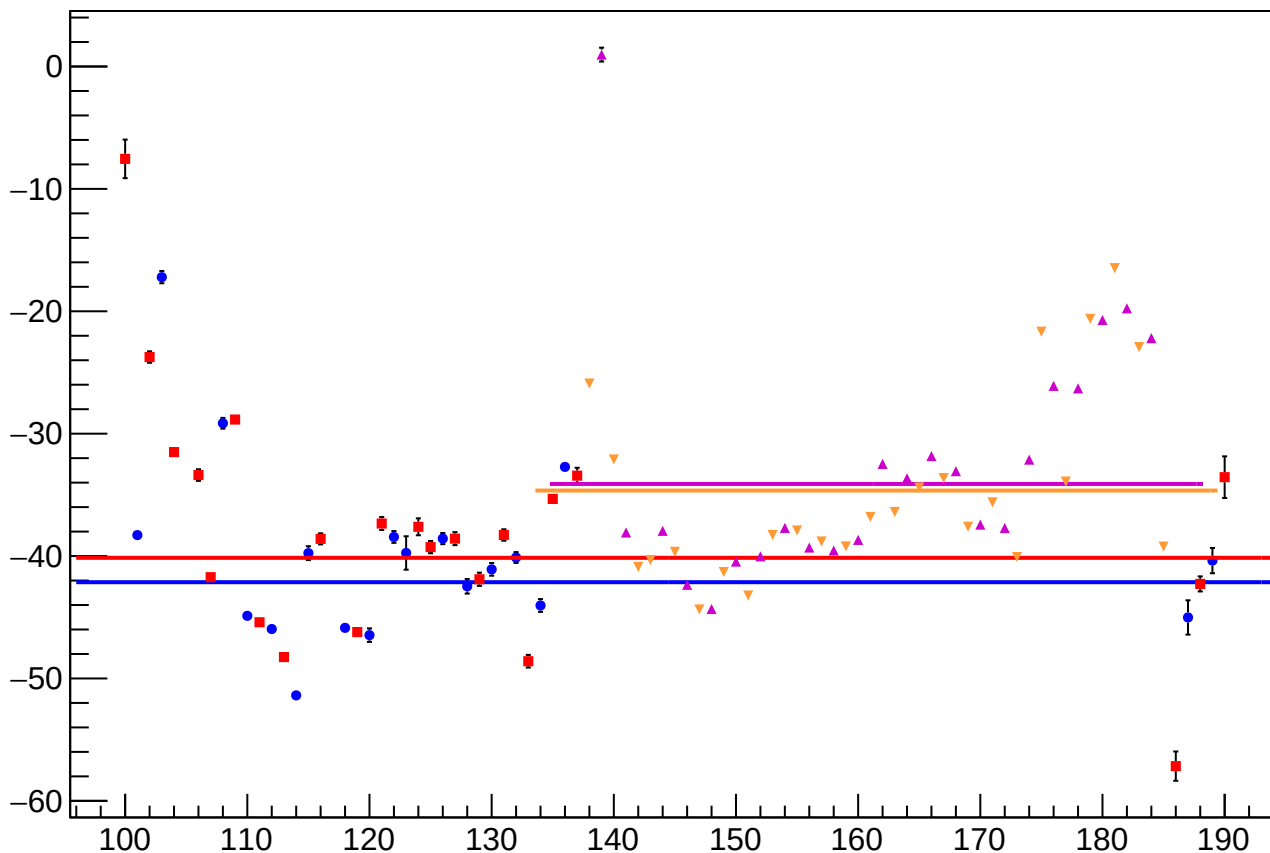
Left In: -2.959 $\pm$ 0.055 χ^2 /NDF: 45922.6/22

+ sign -2.237 $\pm$ 0.053 χ^2 /NDF: 57931.8/26

All: -2.280 $\pm$ 0.038 χ^2 /NDF: 110970.6/52

- sign -2.326 $\pm$ 0.054 χ^2 /NDF: 53037.4/25

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.135 ± 0.078 $\chi^2/\text{NDF}: 6560.3/18$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -40.142 ± 0.072 $\chi^2/\text{NDF}: 11550.7/21$

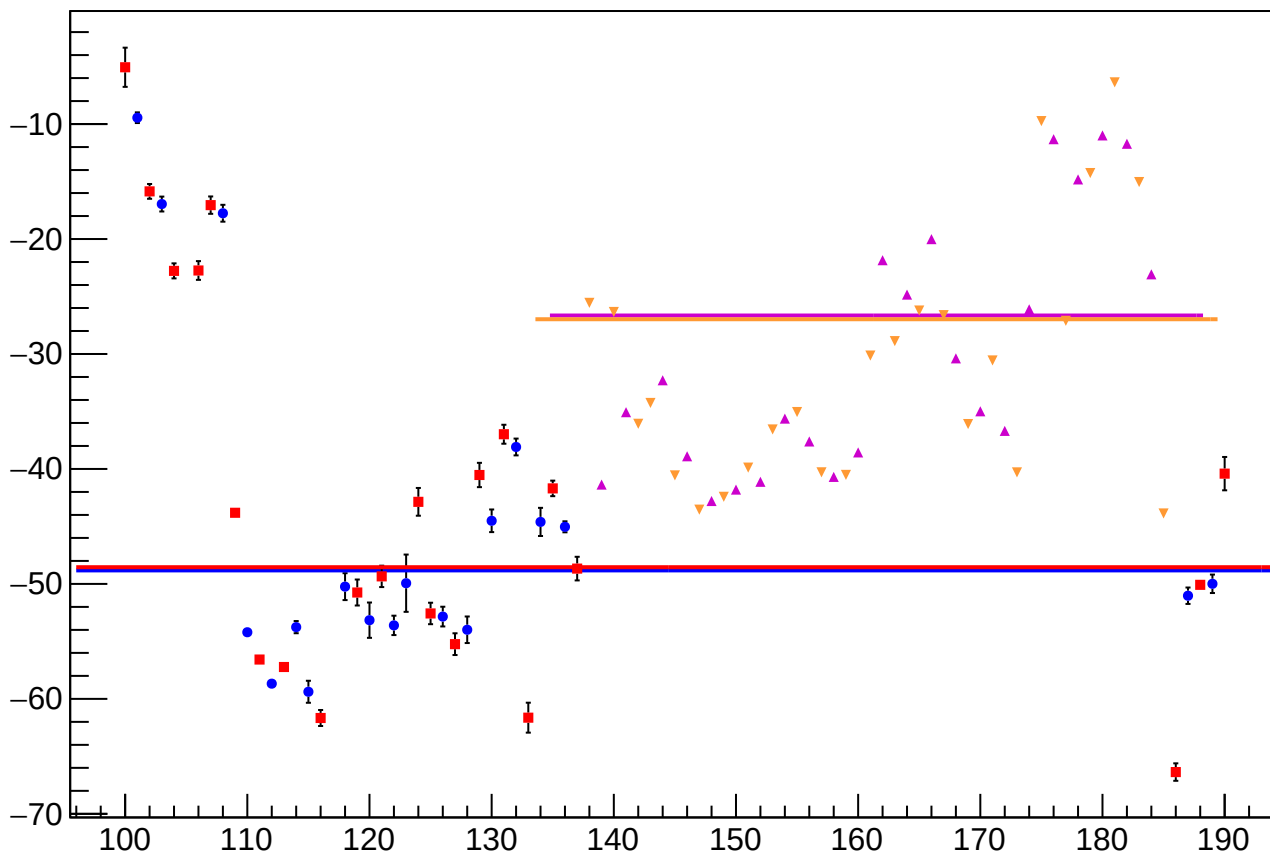
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.321 ± 0.037 $\chi^2/\text{NDF}: 48423.4/43$

All: -36.038 ± 0.026 $\chi^2/\text{NDF}: 94252.7/88$

- sign -35.743 ± 0.038 $\chi^2/\text{NDF}: 45708.5/44$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.825 ± 0.122 χ^2/NDF : 14671.7/18

Left Out: -26.978 ± 0.053 χ^2/NDF : 49361.1/24

Right Out: -48.547 ± 0.101 χ^2/NDF : 12353.1/21

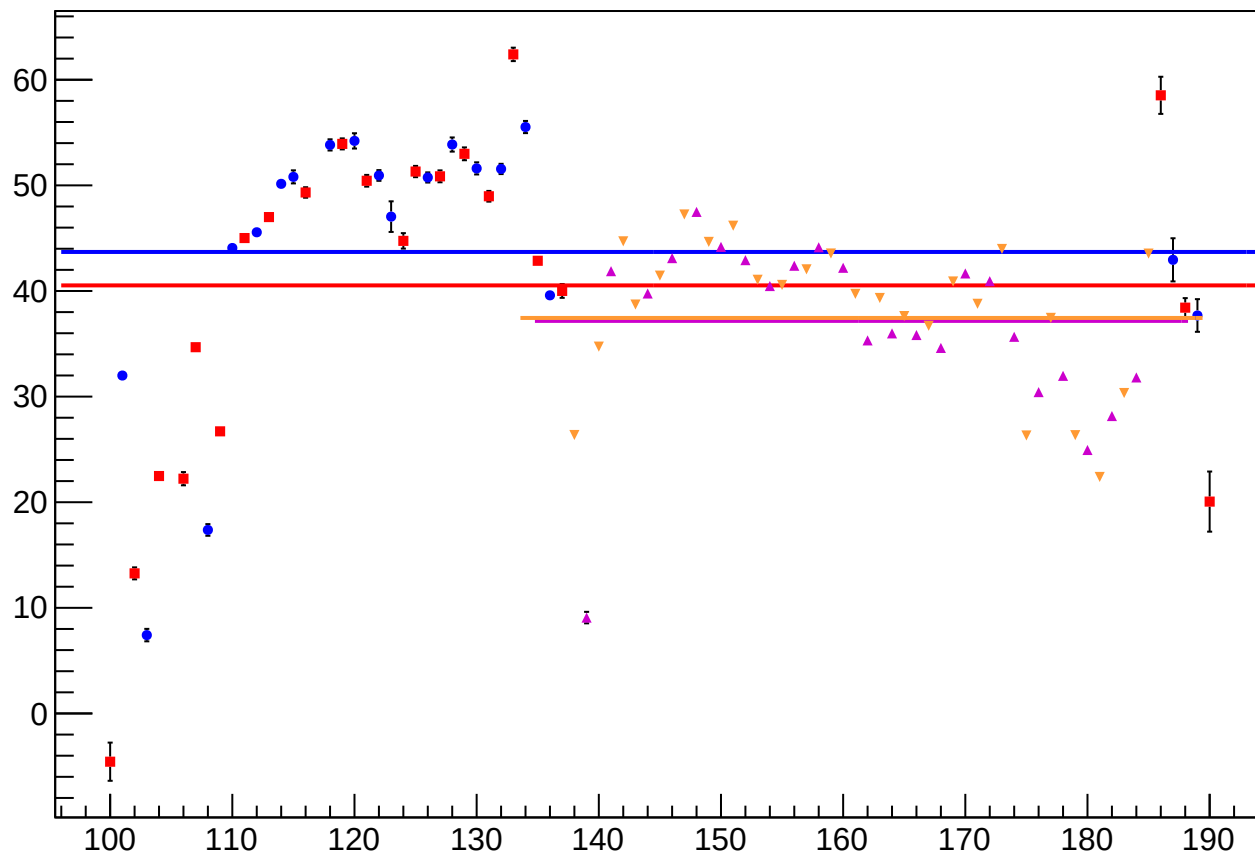
Left In: -26.654 ± 0.055 χ^2/NDF : 42106.8/22

+ sign -30.489 ± 0.049 χ^2/NDF : 91149.8/43

All: -31.065 ± 0.034 χ^2/NDF : 181985.2/88

- sign -31.630 ± 0.048 χ^2/NDF : 90559.0/44

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.696 $\pm$ 0.087 χ^2 /NDF: 10579.6/18

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 40.529 $\pm$ 0.080 χ^2 /NDF: 17740.5/21

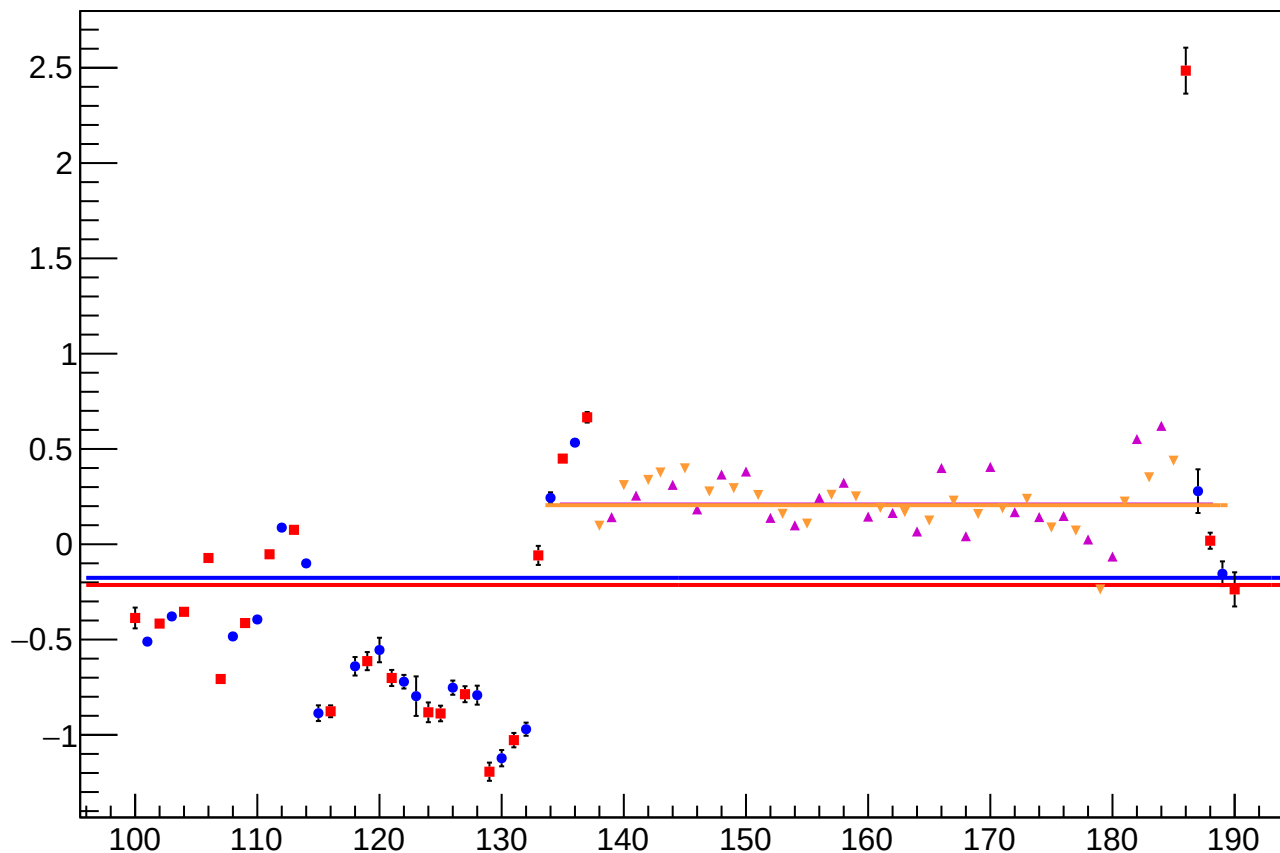
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.871 $\pm$ 0.041 χ^2 /NDF: 36151.0/43

All: 38.488 $\pm$ 0.029 χ^2 /NDF: 72584.5/88

- sign 38.096 $\pm$ 0.042 χ^2 /NDF: 36261.0/44

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.176 ± 0.005 χ^2/NDF : 7369.4/18

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.214 ± 0.004 χ^2/NDF : 7950.4/21

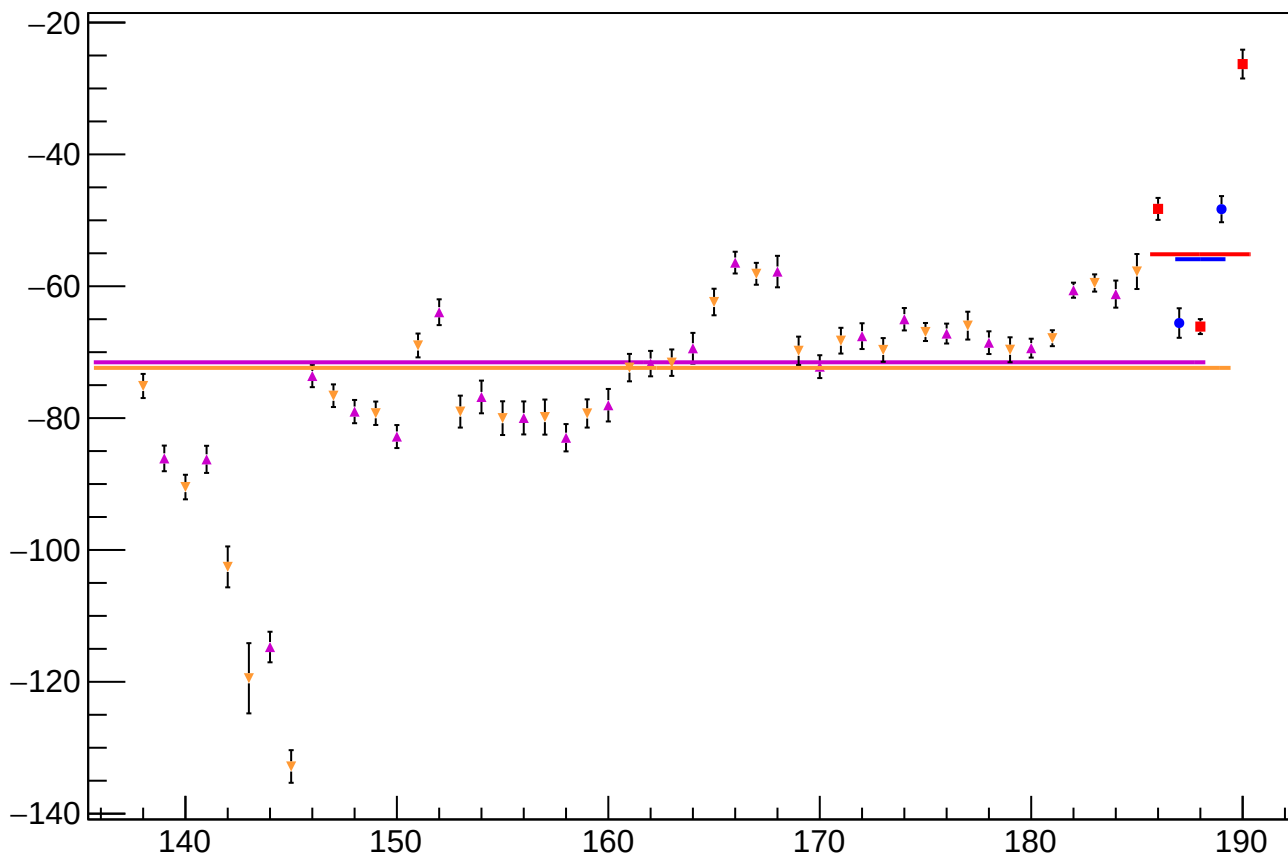
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.141 ± 0.002 χ^2/NDF : 16376.1/43

All: 0.129 ± 0.001 χ^2/NDF : 37132.4/88

- sign 0.117 ± 0.002 χ^2/NDF : 20685.3/44

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -55.899 ± 1.485 $\chi^2/\text{NDF}: 33.3/1$

Left Out: -72.381 ± 0.382 $\chi^2/\text{NDF}: 1199.9/24$

Right Out: -55.150 ± 0.862 $\chi^2/\text{NDF}: 284.7/2$

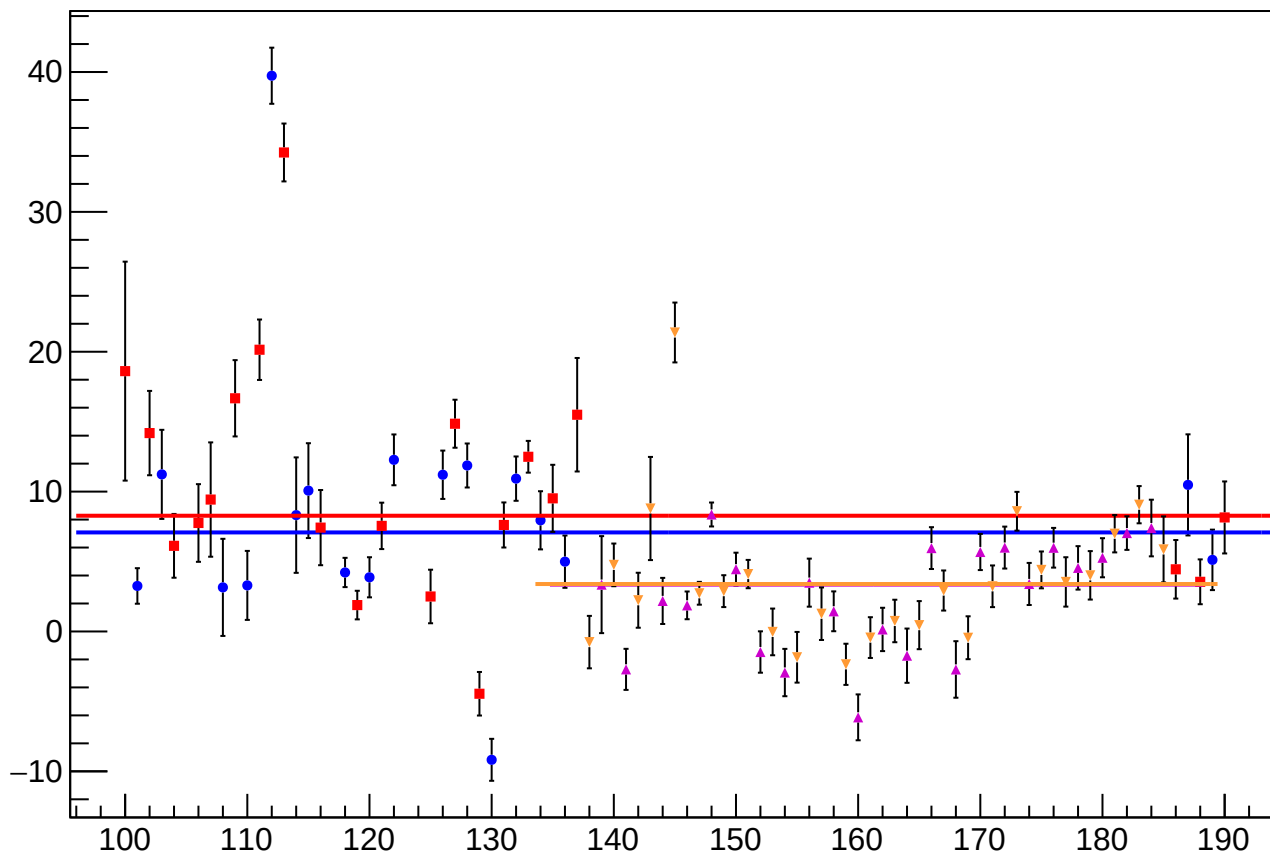
Left In: -71.534 ± 0.382 $\chi^2/\text{NDF}: 851.4/22$

+ sign -71.359 ± 0.370 $\chi^2/\text{NDF}: 1348.8/26$

All: -70.030 ± 0.254 $\chi^2/\text{NDF}: 2811.4/52$

- sign -68.848 ± 0.349 $\chi^2/\text{NDF}: 1438.2/25$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.081 $\pm$ 0.428 χ^2/NDF : 442.1/17

Left Out: 3.392 $\pm$ 0.294 χ^2/NDF : 169.9/24

Right Out: 8.275 $\pm$ 0.417 χ^2/NDF : 363.2/20

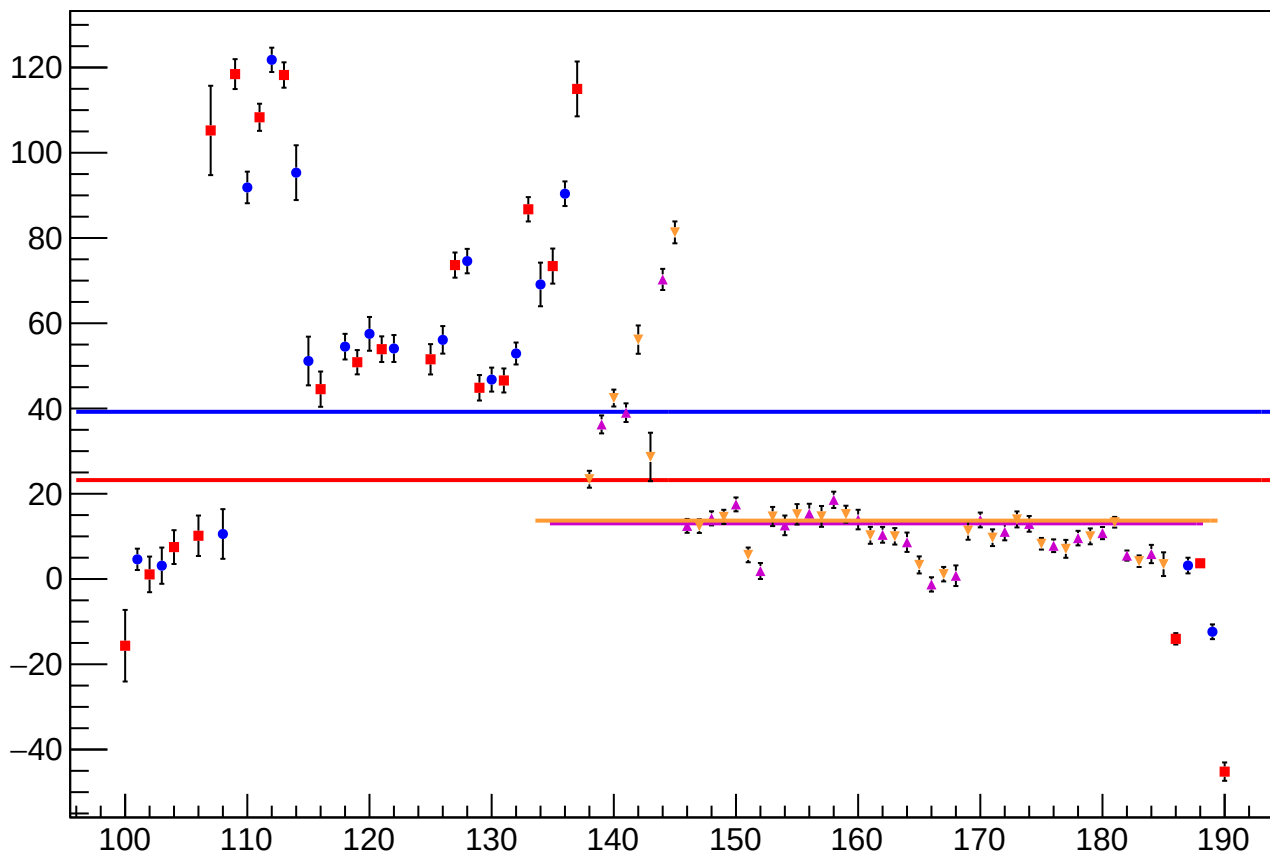
Left In: 3.349 $\pm$ 0.298 χ^2/NDF : 163.5/22

+ sign 4.572 $\pm$ 0.242 χ^2/NDF : 662.4/42

All: 4.792 $\pm$ 0.171 χ^2/NDF : 1283.0/86

- sign 5.013 $\pm$ 0.243 χ^2/NDF : 618.9/43

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 39.225 $\pm$ 0.698 χ^2 /NDF: 3310.7/17

Left Out: 13.700 $\pm$ 0.381 χ^2 /NDF:1307.0/24

Right Out: 23.204 $\pm$ 0.545 χ^2 /NDF: 6391.0/20

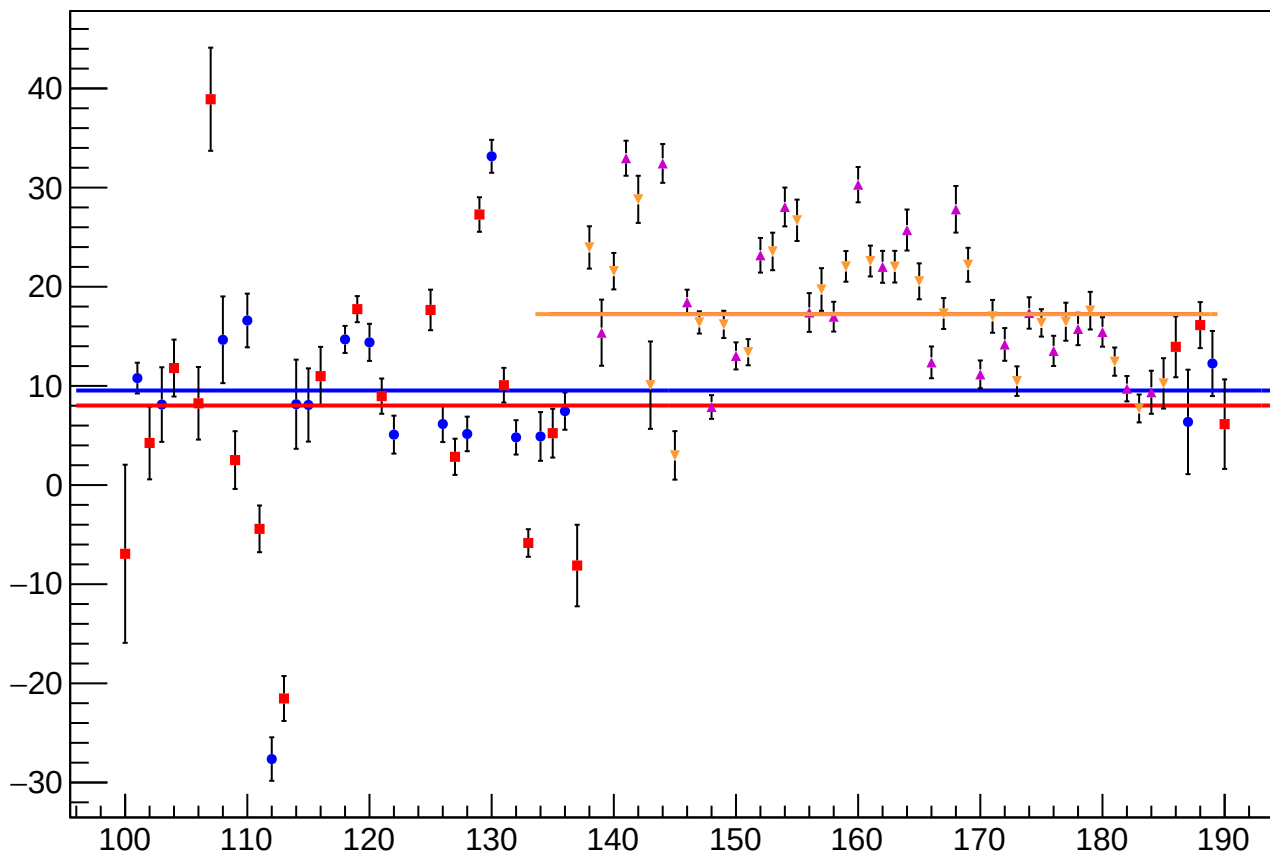
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 19.554 $\pm$ 0.334 χ^2 /NDF: 5647.6/42

All: 17.852 $\pm$ 0.228 χ^2 /NDF: 13345.0/86

- sign 16.375 $\pm$ 0.312 χ^2 /NDF: 7649.1/43

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.535 ± 0.499 χ^2/NDF : 548.3/17

Left Out: 17.238 ± 0.336 χ^2/NDF : 246.5/24

Right Out: 8.022 ± 0.494 χ^2/NDF : 584.1/20

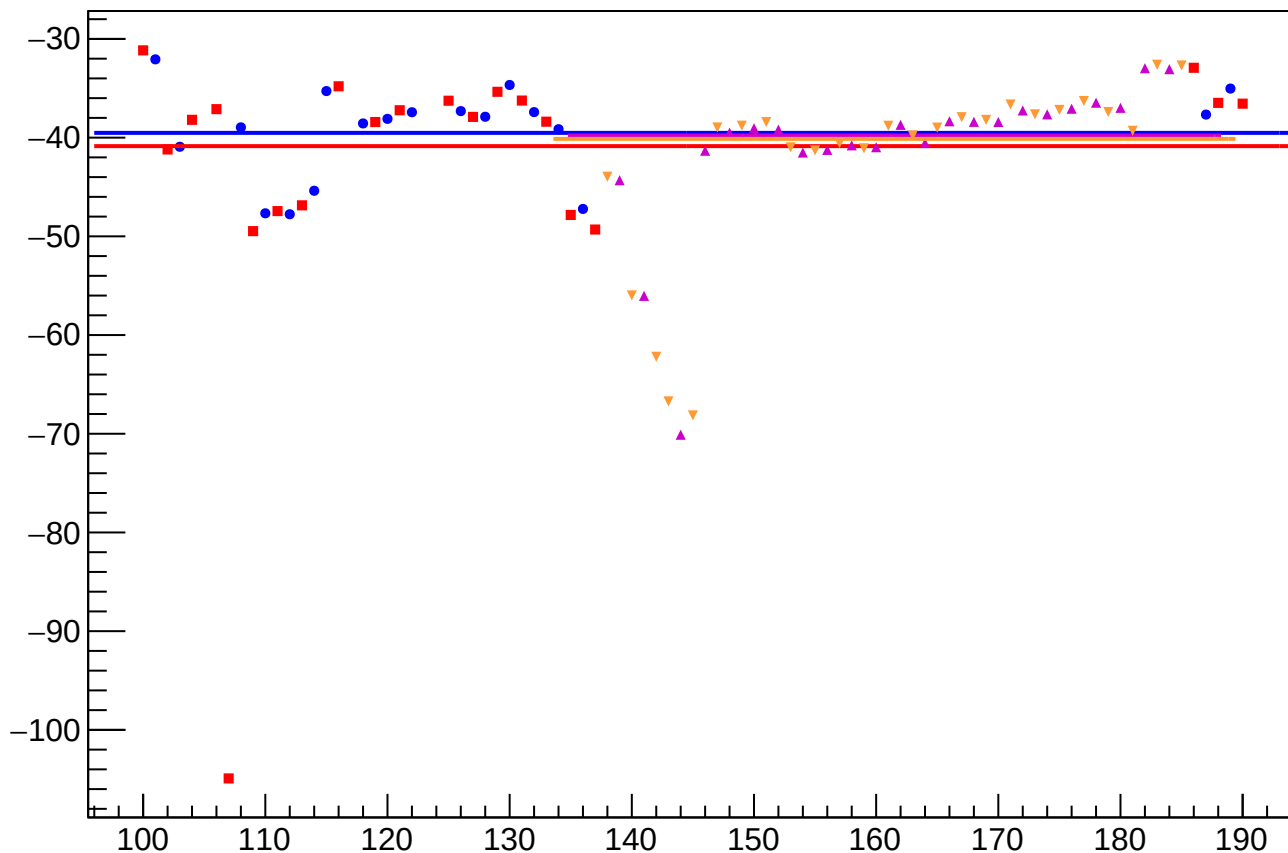
Left In: 17.245 ± 0.339 χ^2/NDF : 440.8/22

+ sign 14.837 ± 0.279 χ^2/NDF : 958.5/42

All: 14.563 ± 0.197 χ^2/NDF : 2222.2/86

- sign 14.287 ± 0.280 χ^2/NDF : 1261.8/43

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.517+/-0.030 χ^2/NDF : 27375.6/17

Left Out: -40.126+/-0.016 χ^2/NDF : 185897.0/24

Right Out: -40.861+/-0.029 χ^2/NDF : 99136.9/20

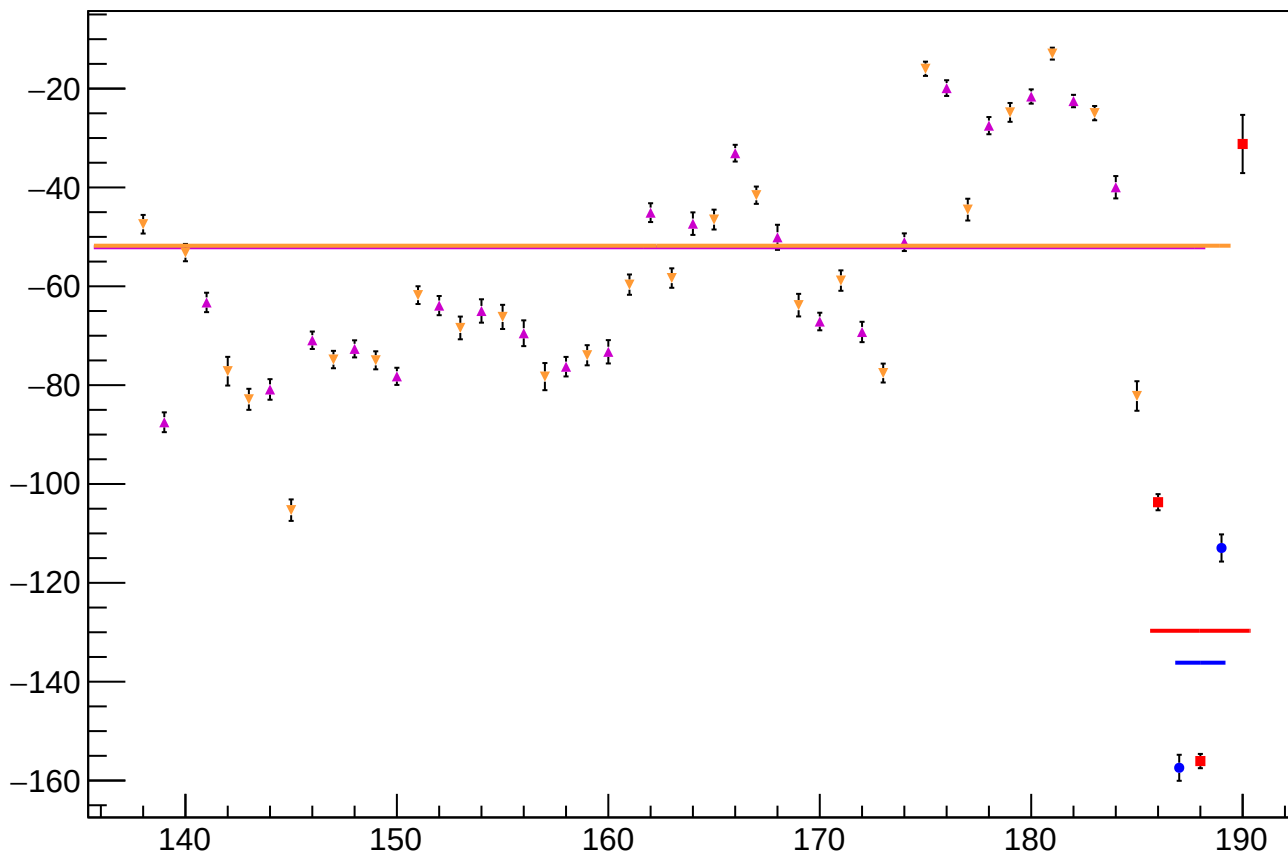
Left In: -39.785+/-0.016 χ^2/NDF : 144494.5/22

+ sign -39.997+/-0.014 χ^2/NDF : 213591.5/42

All: -40.012+/-0.010 χ^2/NDF : 458293.3/86

- sign -40.028+/-0.014 χ^2/NDF : 244699.4/43

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -136.157 ± 1.901 χ^2/NDF : 136.6/1

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -129.699 ± 1.064 χ^2/NDF : 866.5/2

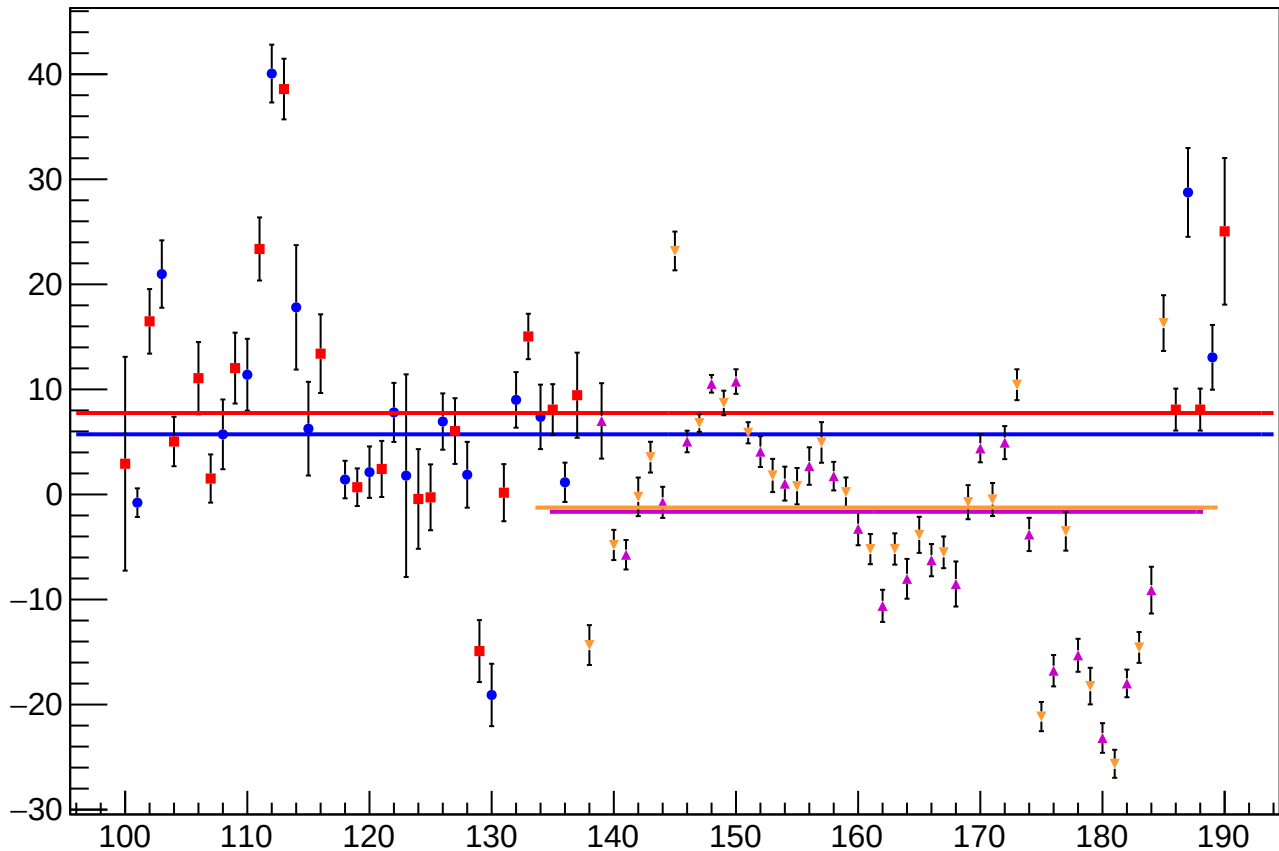
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -55.071 ± 0.375 χ^2/NDF : 6194.1/26

All: -58.237 ± 0.262 χ^2/NDF : 15170.3/52

- sign -61.236 ± 0.365 χ^2/NDF : 8837.5/25

reg_asym_usr_diff_bpm4aY_slope vs Slug



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: 7.752 ± 0.589 $\chi^2/\text{NDF}: 276.8/21$

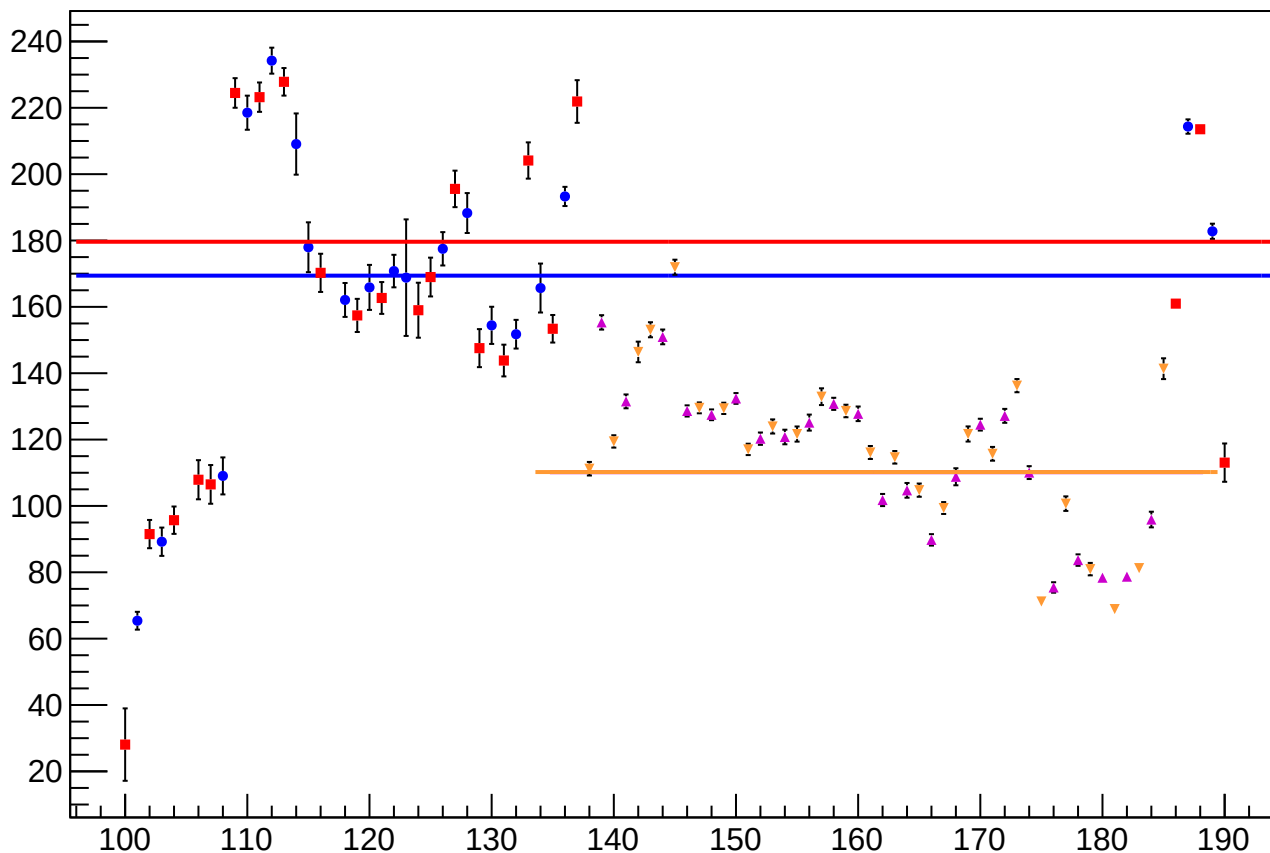
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.054 ± 0.263 $\chi^2/\text{NDF}: 1760.4/43$

All: 0.168 ± 0.188 $\chi^2/\text{NDF}: 3331.9/88$

- sign 0.286 ± 0.267 $\chi^2/\text{NDF}: 1571.1/44$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 169.409 ± 0.929 χ^2/NDF : 2929.0/18

Left Out: 110.213 ± 0.382 χ^2/NDF : 4593.7/24

Right Out: 179.628 ± 0.693 χ^2/NDF : 3106.8/21

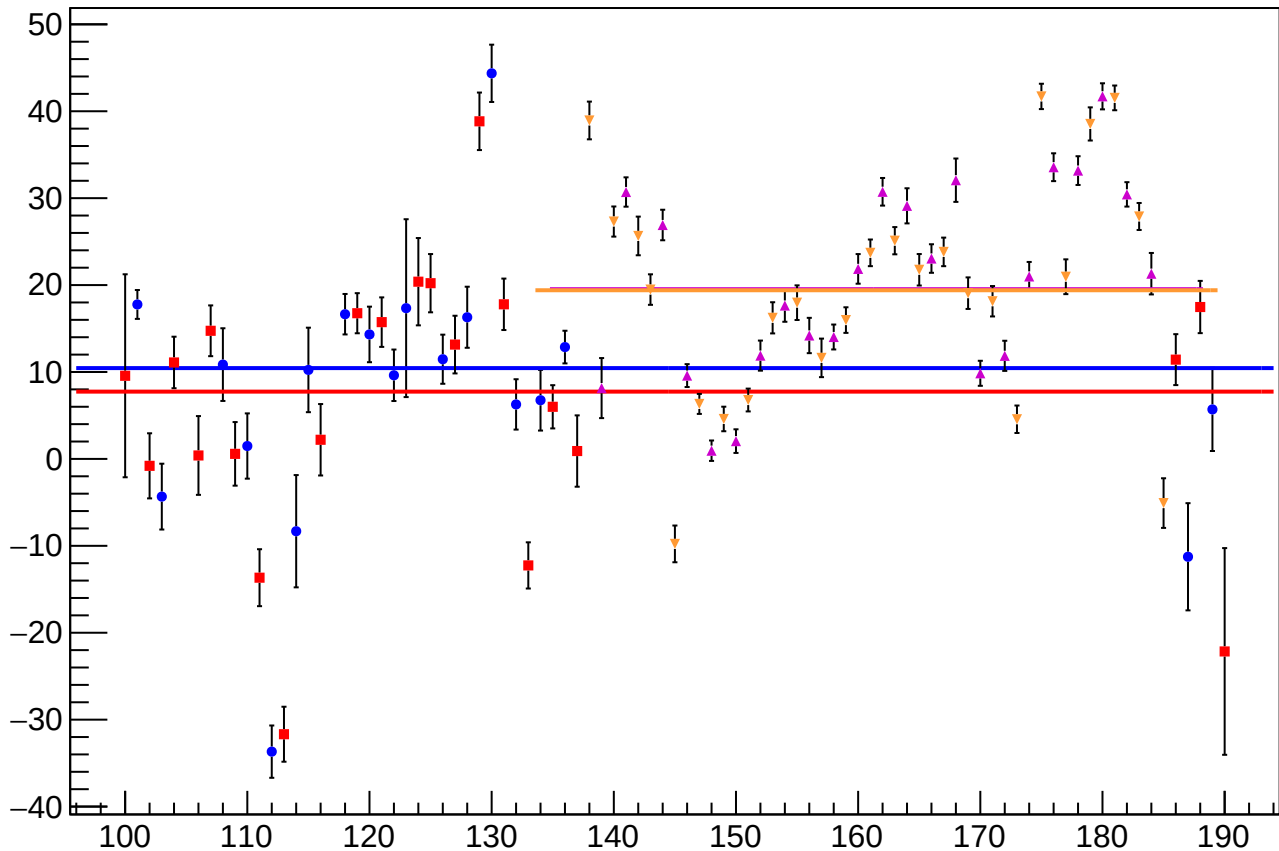
Left In: 110.171 ± 0.386 χ^2/NDF : 3702.6/22

+ sign 118.770 ± 0.353 χ^2/NDF : 10993.4/43

All: 122.868 ± 0.244 χ^2/NDF : 25719.6/88

- sign 126.601 ± 0.337 χ^2/NDF : 14469.2/44

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.448 $\pm$ 0.708 χ^2/NDF : 400.0/18

Left Out: 19.405 $\pm$ 0.335 χ^2/NDF :1453.4/24

Right Out: 7.742 $\pm$ 0.704 χ^2/NDF : 442.7/21

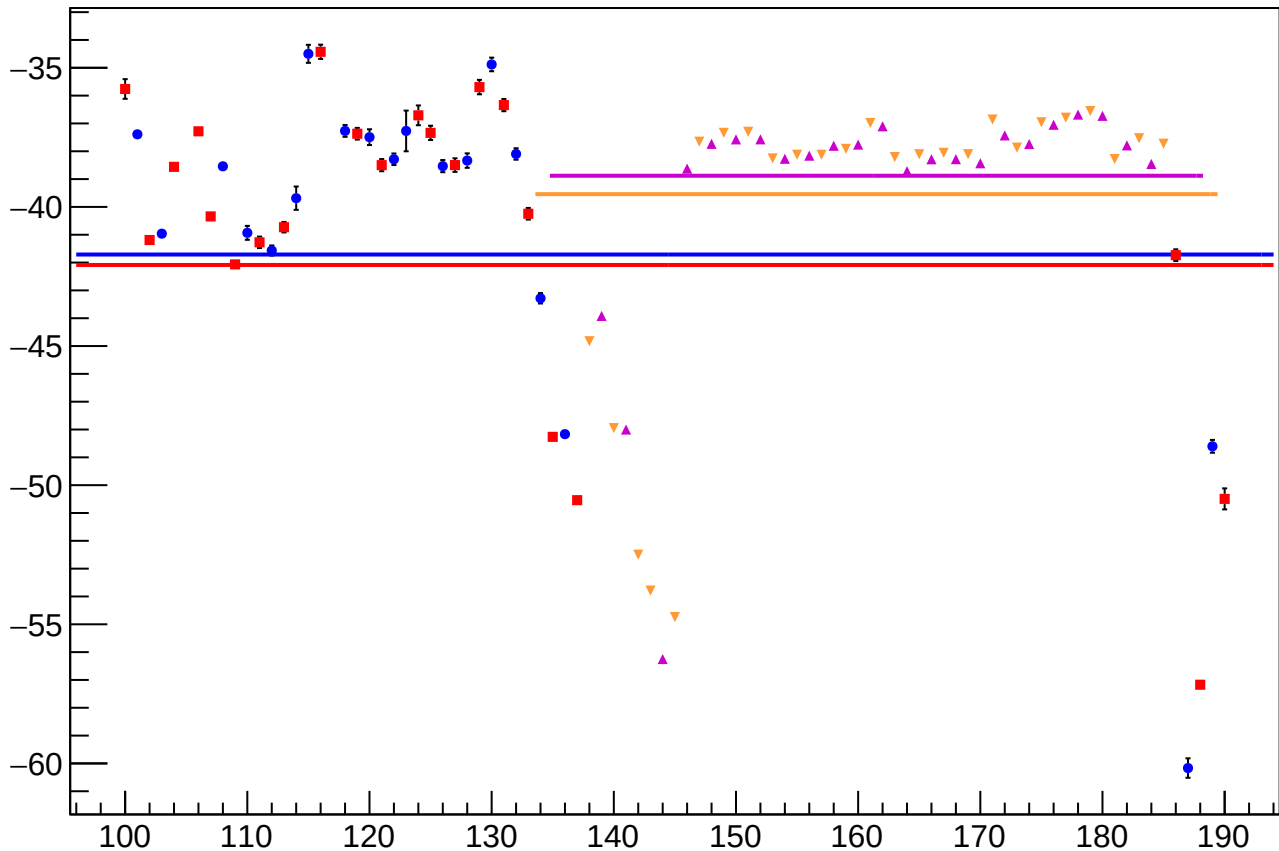
Left In: 19.530 $\pm$ 0.342 χ^2/NDF :1181.3/22

+ sign 17.769 $\pm$ 0.303 χ^2/NDF : 1984.2/43

All: 17.526 $\pm$ 0.216 χ^2/NDF : 3836.3/88

- sign 17.274 $\pm$ 0.308 χ^2/NDF : 1850.8/44

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.711 ± 0.038 χ^2/NDF : 16291.8/18

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -42.086 ± 0.037 χ^2/NDF : 22164.9/21

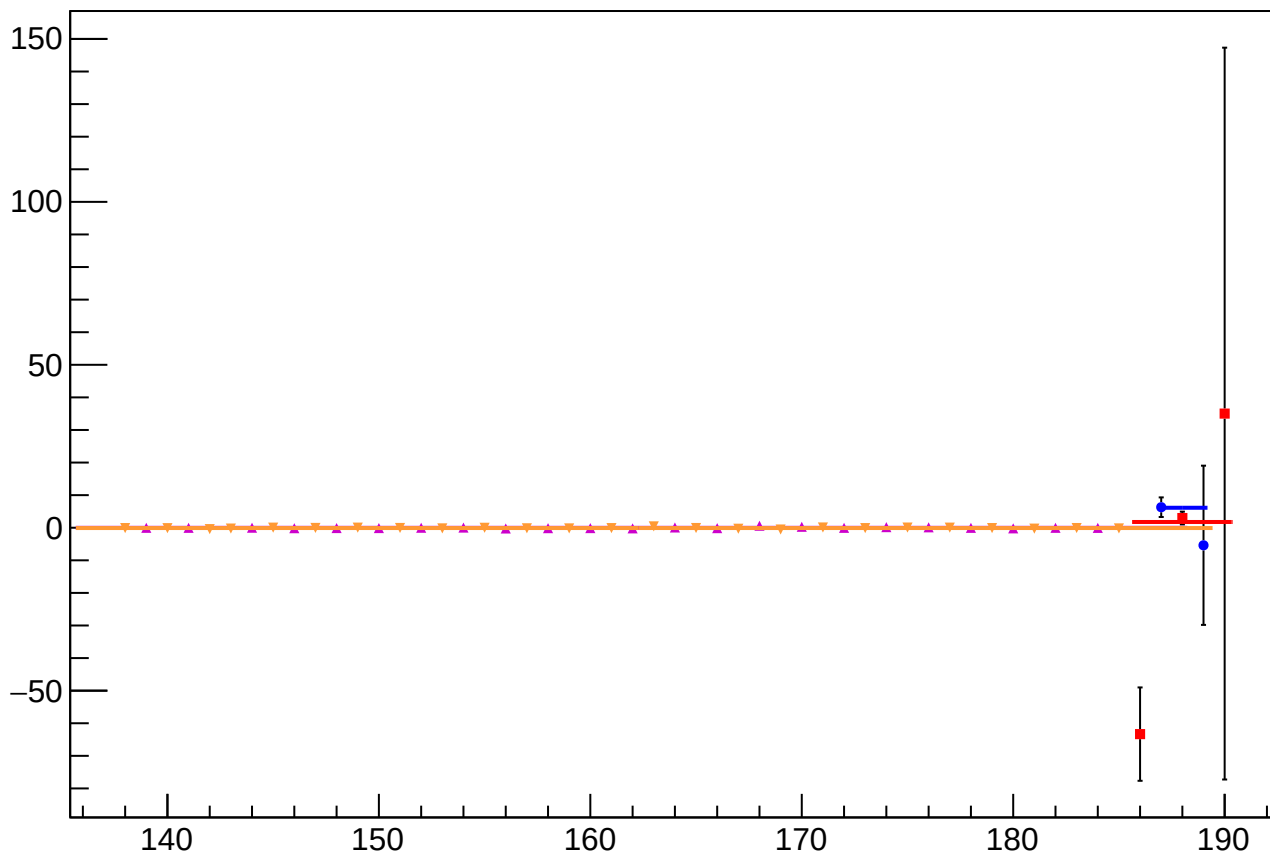
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.861 ± 0.015 χ^2/NDF : 111111.7/43

All: -39.622 ± 0.010 χ^2/NDF : 193618.6/88

- sign -39.381 ± 0.015 χ^2/NDF : 81963.7/44

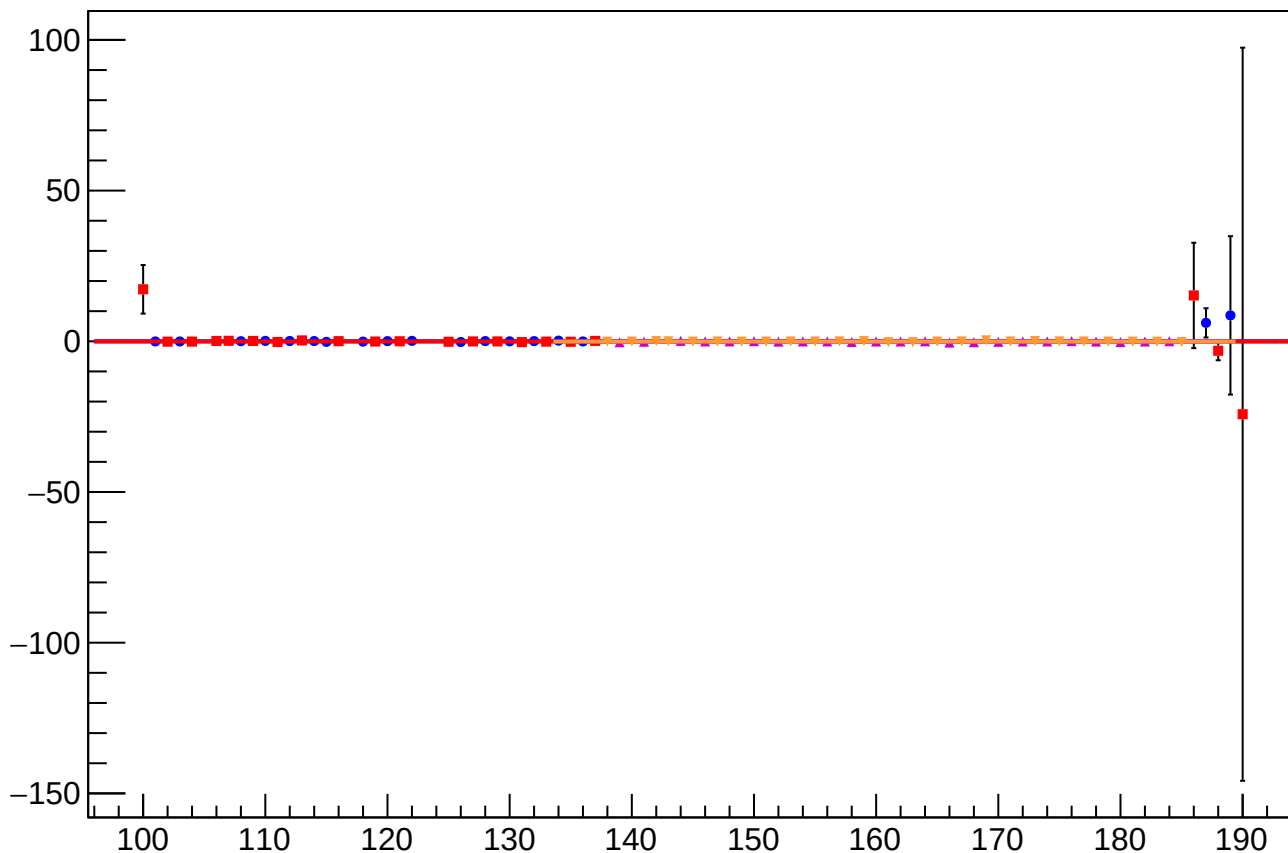
reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 6.130 ± 2.984 χ^2/NDF : 0.2/1
Left Out: -0.095 ± 0.022 χ^2/NDF : 41.8/24
Right Out: 1.765 ± 1.944 χ^2/NDF : 21.1/2
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.094 ± 0.022 χ^2/NDF : 46.4/26
All: -0.061 ± 0.016 χ^2/NDF : 106.6/52
- sign -0.025 ± 0.022 χ^2/NDF : 55.3/25

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 14.4/17

Left Out: -0.078 ± 0.017 χ^2/NDF : 26.6/24

Right Out: -0.050 ± 0.029 χ^2/NDF : 27.3/20

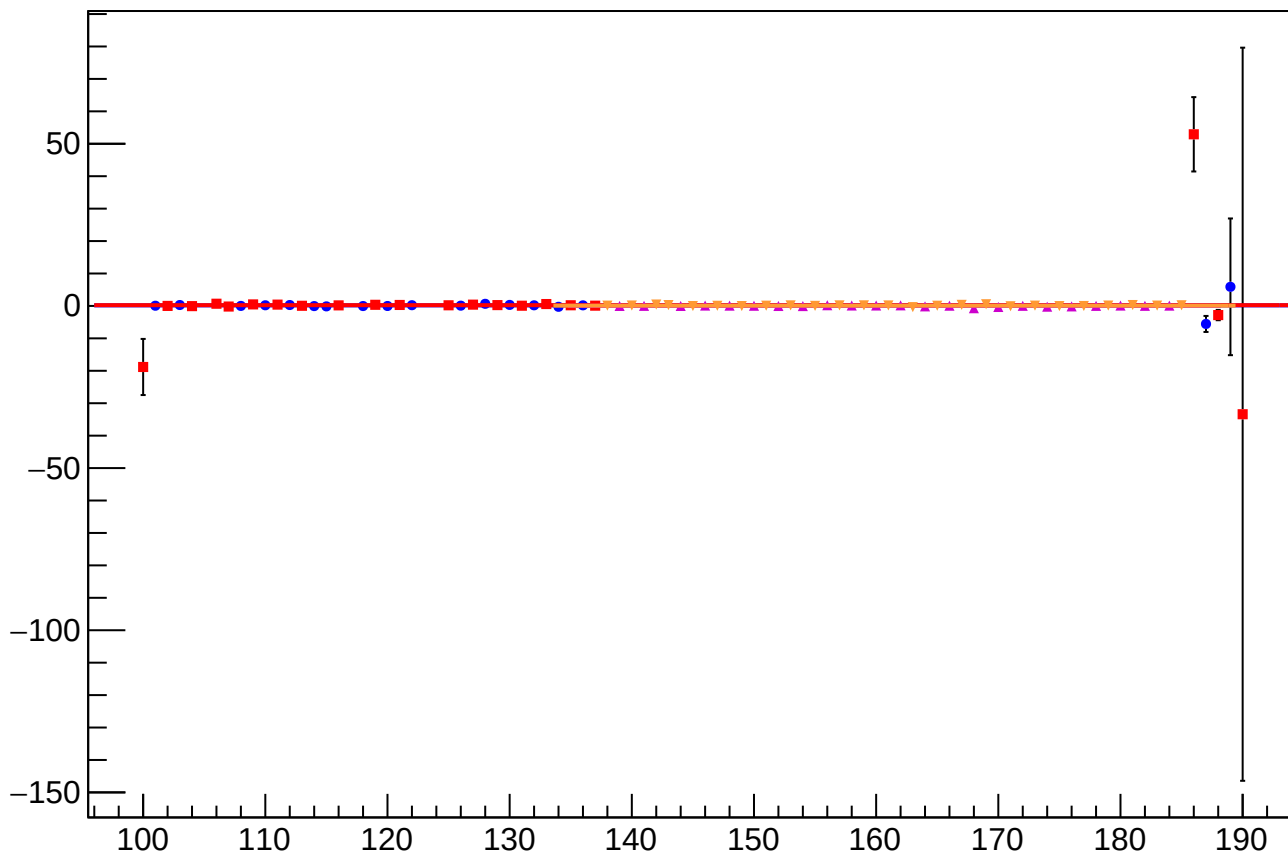
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.058 ± 0.015 χ^2/NDF : 46.2/42

All: -0.055 ± 0.010 χ^2/NDF : 105.3/86

- sign -0.052 ± 0.015 χ^2/NDF : 59.0/43

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 $\chi^2/\text{NDF}: 17.9/17$

Left Out: 0.088 ± 0.022 $\chi^2/\text{NDF}: 40.7/24$

Right Out: 0.233 ± 0.054 $\chi^2/\text{NDF}: 46.4/20$

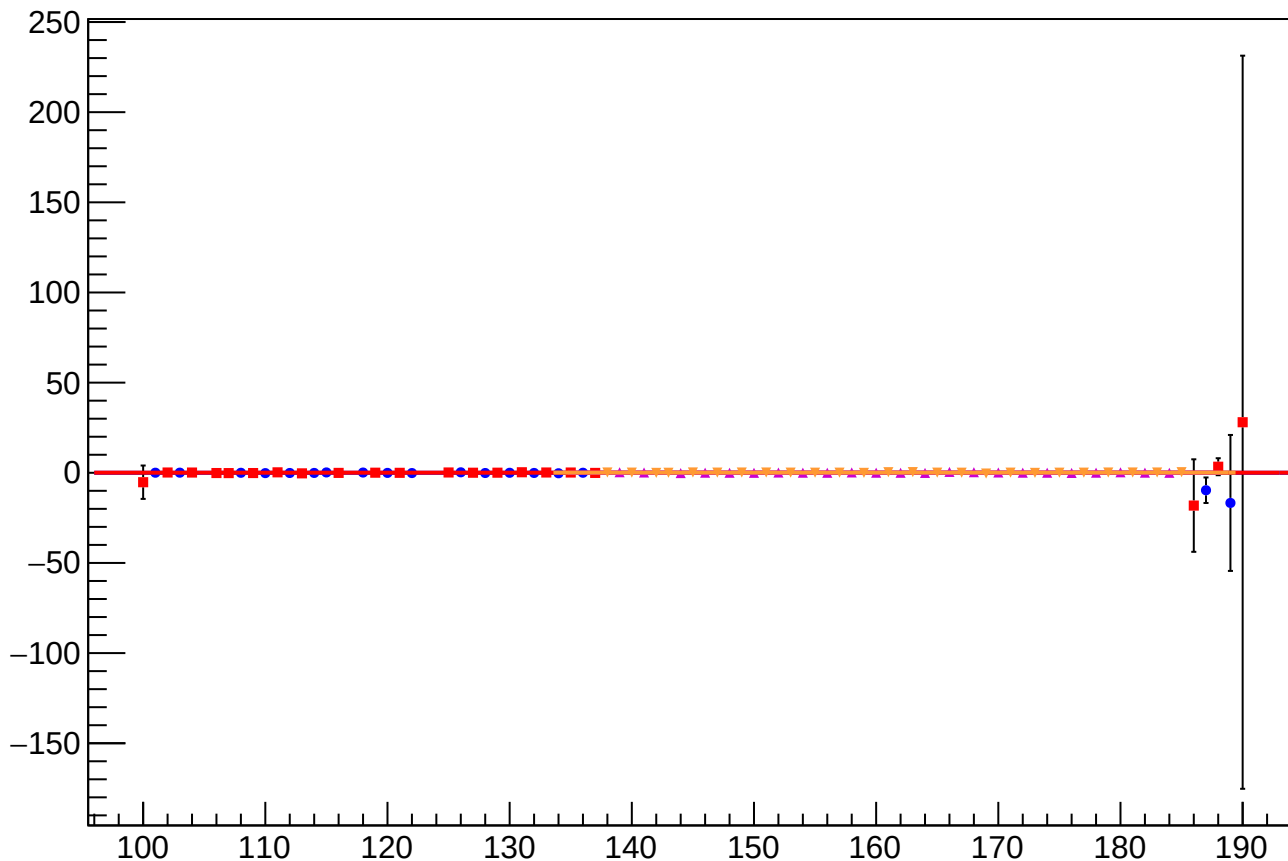
Left In: 0.020 ± 0.022 $\chi^2/\text{NDF}: 35.6/22$

+ sign 0.100 ± 0.020 $\chi^2/\text{NDF}: 60.8/42$

All: 0.076 ± 0.014 $\chi^2/\text{NDF}: 159.0/86$

- sign 0.051 ± 0.021 $\chi^2/\text{NDF}: 95.3/43$

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 16.1/17

Left Out: 0.102 ± 0.019 χ^2/NDF : 30.2/24

Right Out: 0.057 ± 0.034 χ^2/NDF : 21.3/20

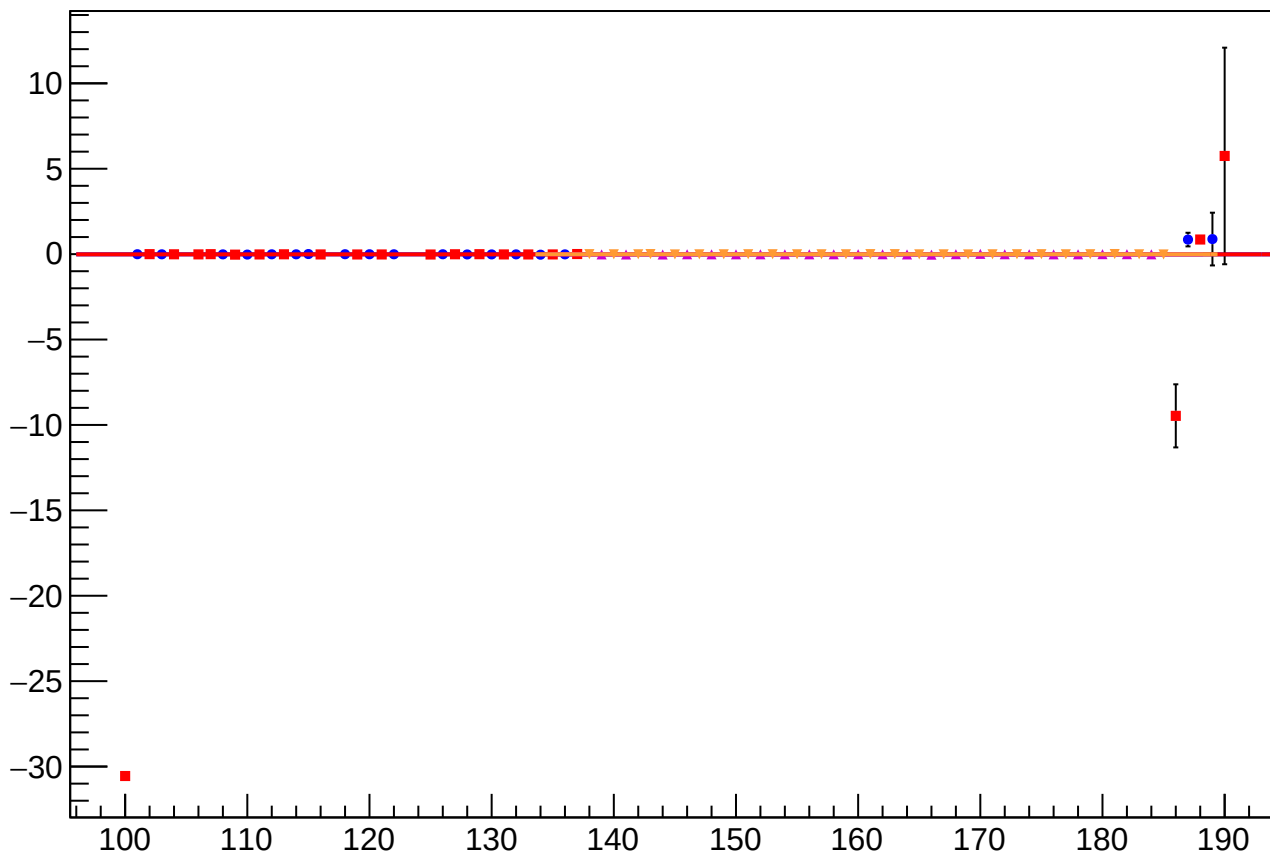
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.074 ± 0.017 χ^2/NDF : 54.4/42

All: 0.070 ± 0.012 χ^2/NDF : 107.4/86

- sign 0.066 ± 0.017 χ^2/NDF : 52.8/43

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 17.8/17

Left Out: -0.008 ± 0.001 χ^2/NDF : 34.7/24

Right Out: -0.012 ± 0.002 χ^2/NDF : 11930.7/20

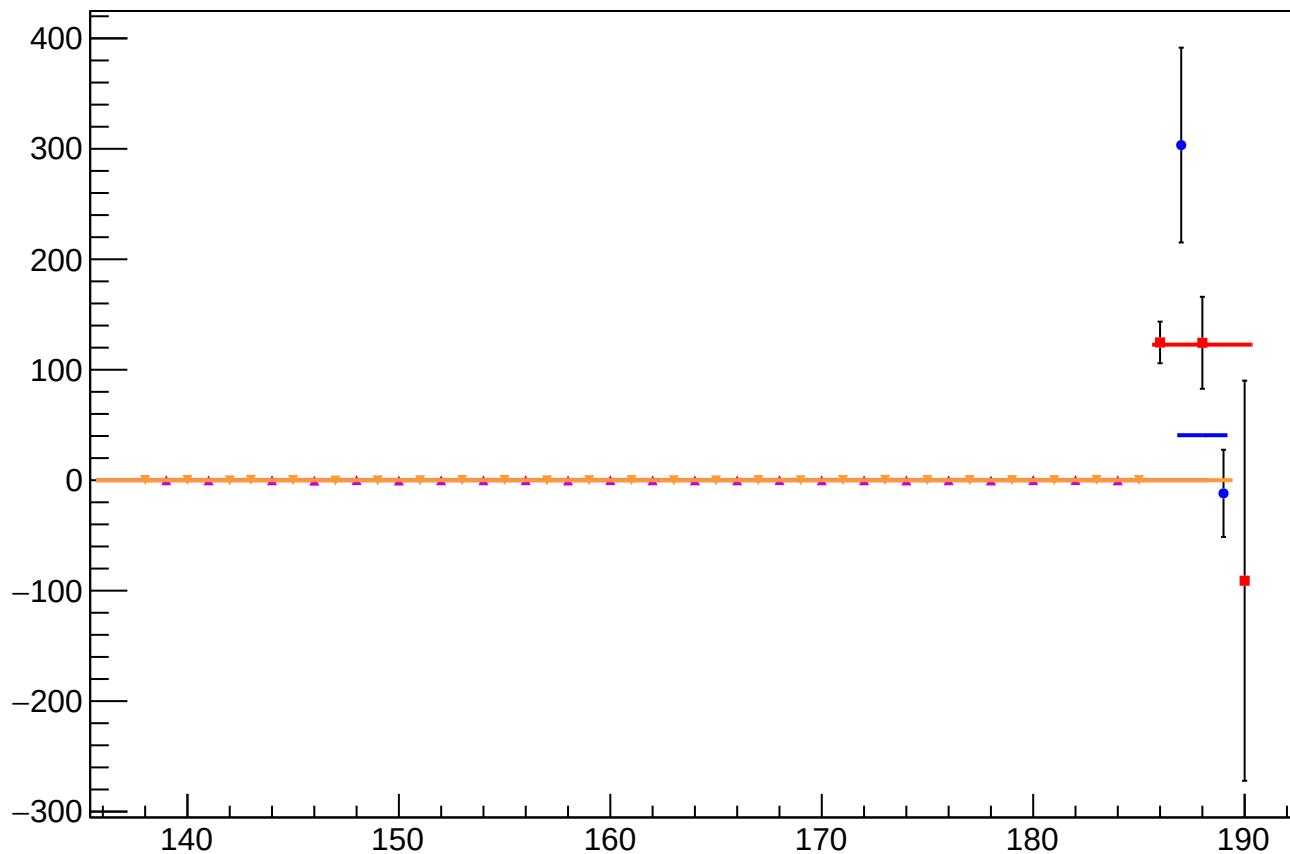
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.008 ± 0.001 χ^2/NDF : 57.0/42

All: -0.009 ± 0.001 χ^2/NDF : 12031.8/86

- sign -0.009 ± 0.001 χ^2/NDF : 11974.1/43

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 40.717 $\pm$ 36.028 χ^2 /NDF: 10.6/1

Left Out: 0.017 $\pm$ 0.027 χ^2 /NDF:30.9/24

Right Out: 122.737 $\pm$ 17.074 χ^2 /NDF: 1.4/2

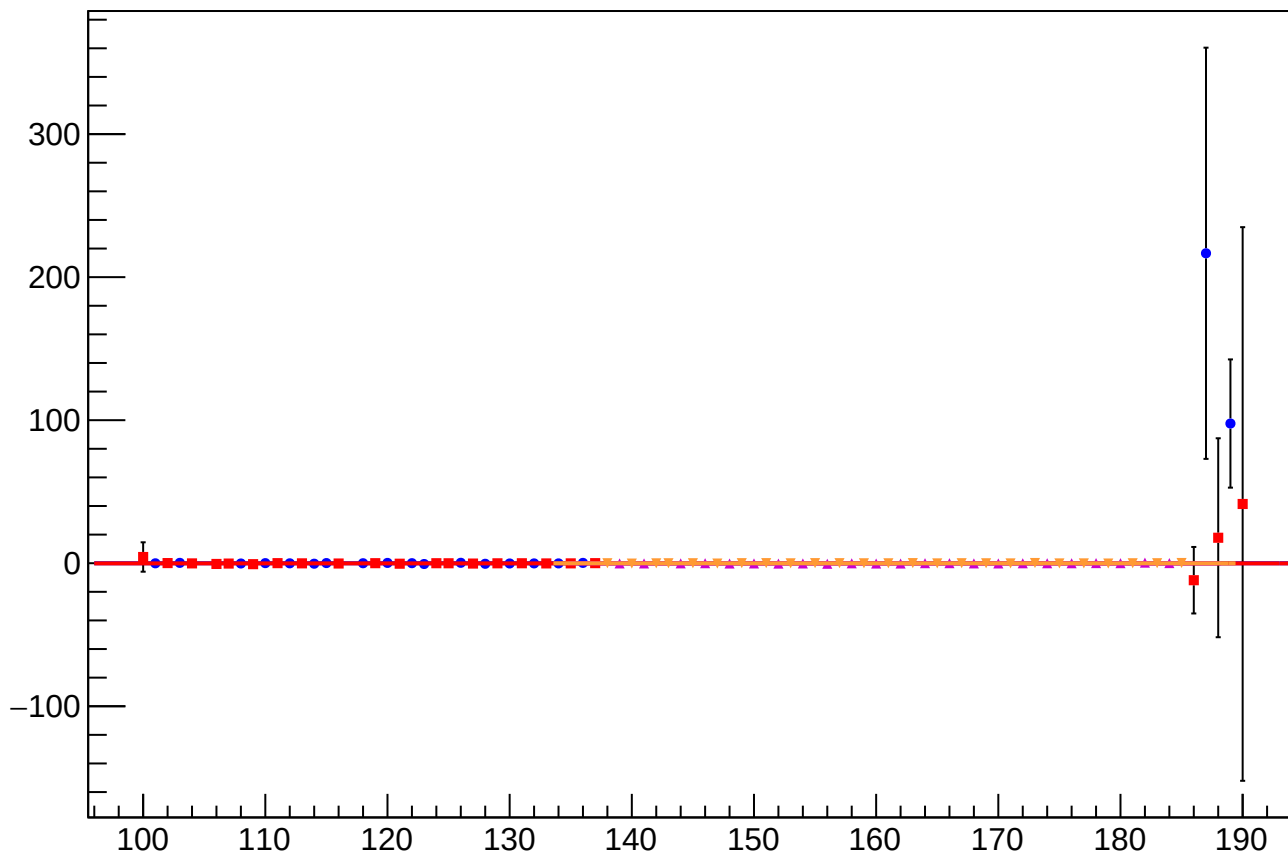
Left In: 0.002 $\pm$ 0.028 χ^2 /NDF:29.0/22

+ sign 0.017 $\pm$ 0.027 χ^2 /NDF: 42.9/26

All: 0.010 $\pm$ 0.019 χ^2 /NDF: 125.1/52

- sign 0.003 $\pm$ 0.028 χ^2 /NDF: 82.1/25

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 30.0/18

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 18.8/21

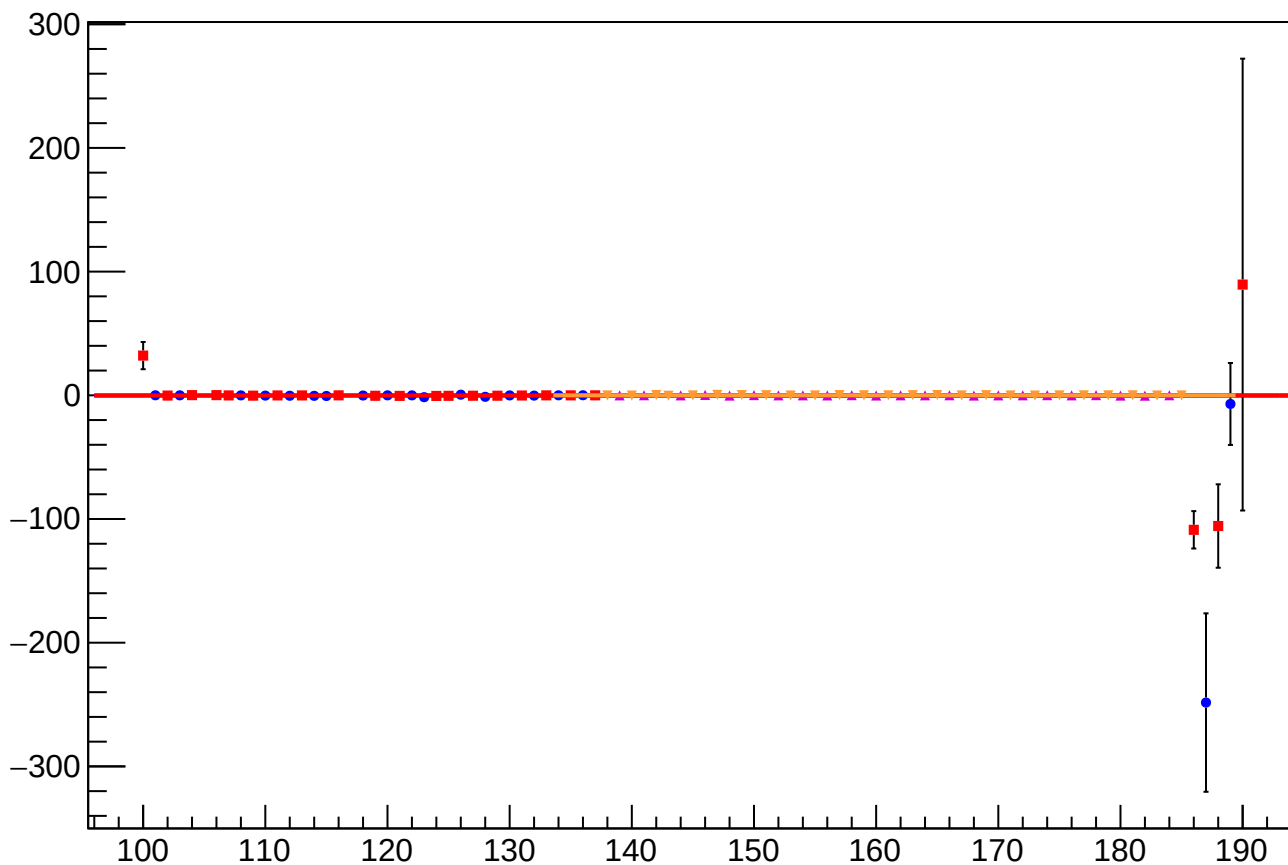
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 55.4/43

All: -0.066 ± 0.013 χ^2/NDF : 125.9/88

- sign -0.083 ± 0.019 χ^2/NDF : 69.0/44

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 36.6/18

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 76.1/21

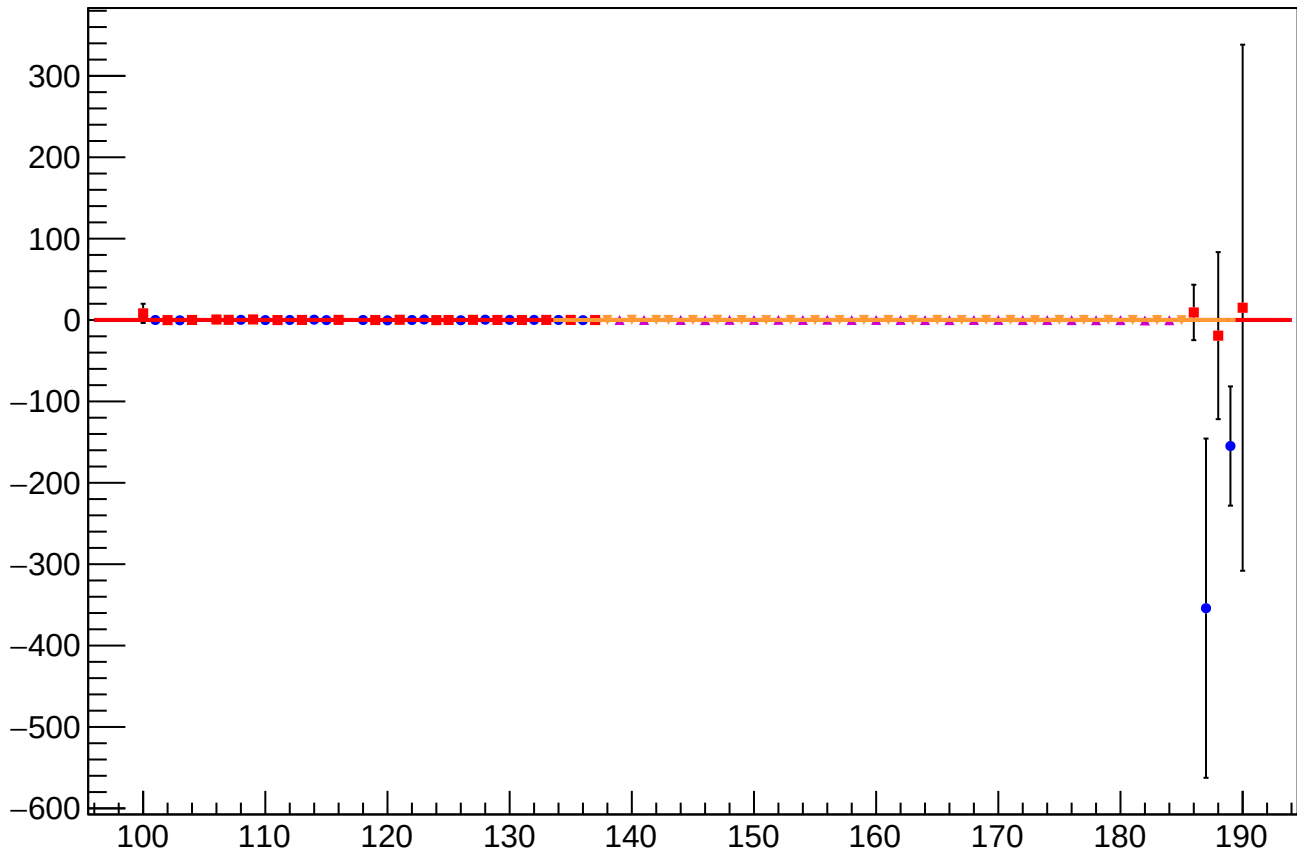
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 68.3/43

All: -0.042 ± 0.018 χ^2/NDF : 176.1/88

- sign -0.050 ± 0.026 χ^2/NDF : 107.7/44

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.019 $\pm$ 0.043 χ^2 /NDF: 29.0/18

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 16.9/21

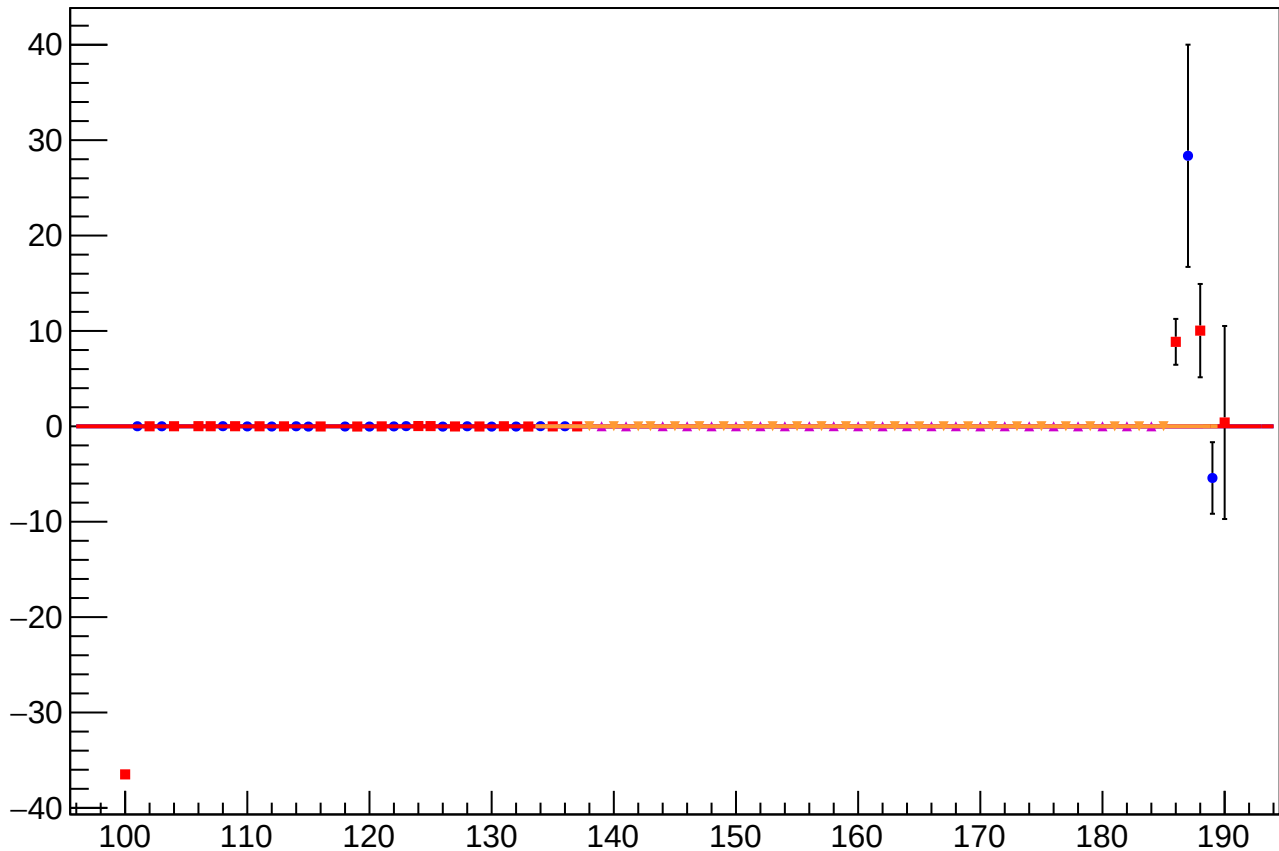
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 54.4/43

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 126.5/88

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 70.9/44

reg_asym_dsr_diff_bpm12X_slope vs Slug



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: 10466.9/21

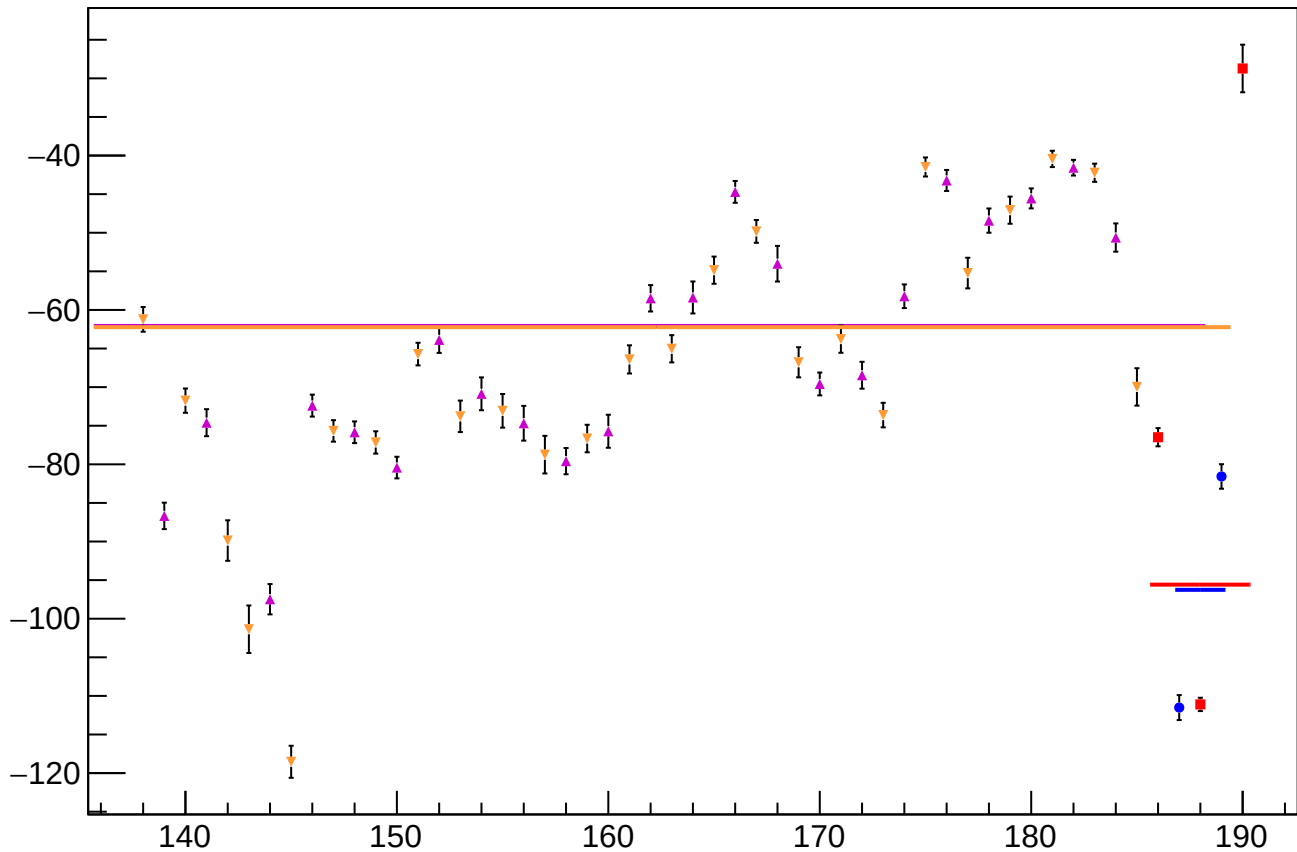
Left In: 0.009 $\pm$ 0.001 χ^2 /NDF: 15.0/22

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 72.9/43

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10565.3/88

- sign 0.007 $\pm$ 0.001 χ^2 /NDF: 10492.3/44

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -96.260 ± 1.133 $\chi^2/\text{NDF}: 174.5/1$

Left Out: -62.232 ± 0.332 $\chi^2/\text{NDF}: 2668.5/24$

Right Out: -95.587 ± 0.680 $\chi^2/\text{NDF}: 1055.2/2$

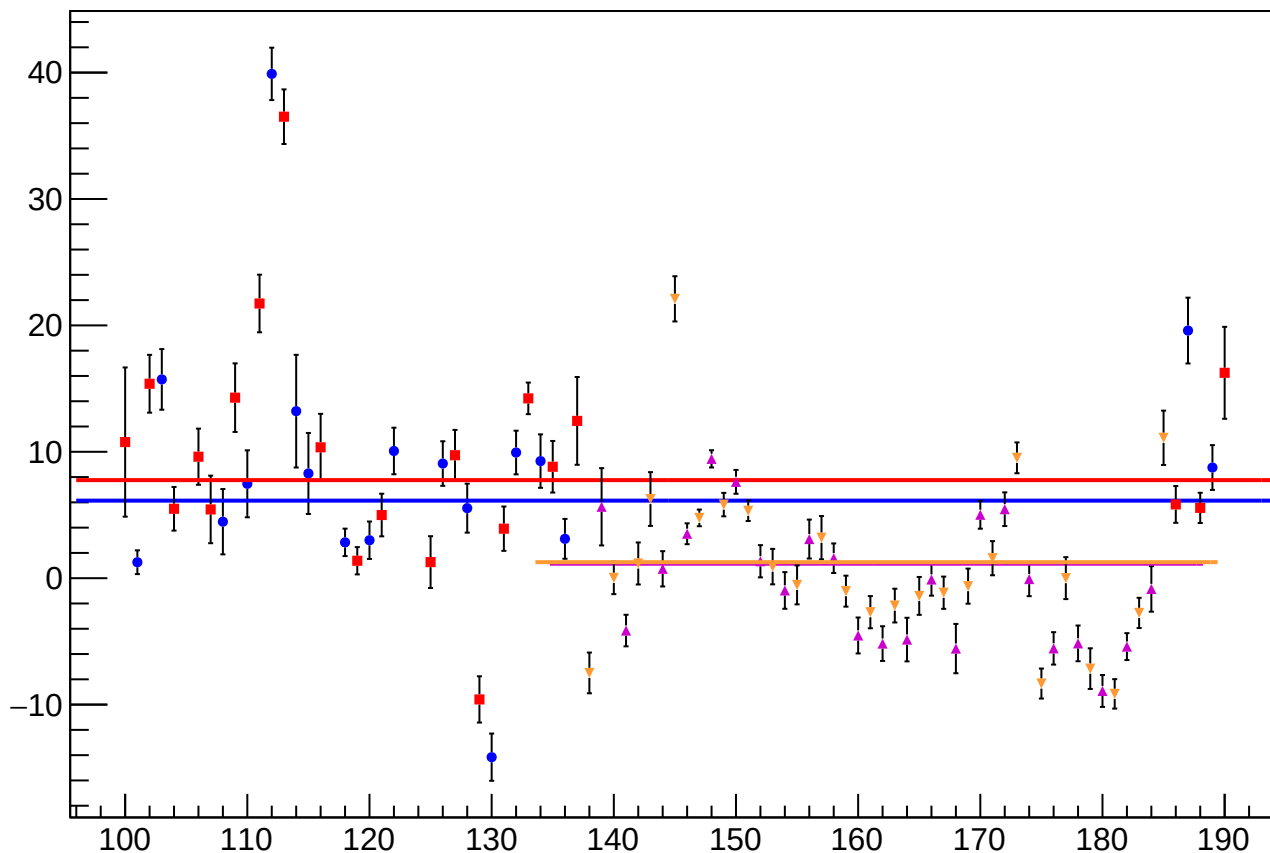
Left In: -62.073 ± 0.332 $\chi^2/\text{NDF}: 2192.0/22$

+ sign -64.922 ± 0.319 $\chi^2/\text{NDF}: 3673.9/26$

All: -66.848 ± 0.218 $\chi^2/\text{NDF}: 8951.9/52$

- sign -68.539 ± 0.299 $\chi^2/\text{NDF}: 5209.4/25$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 6.136 ± 0.412 $\chi^2/\text{NDF}: 490.4/17$

Left Out: 1.269 ± 0.251 $\chi^2/\text{NDF}: 531.9/24$

Right Out: 7.759 ± 0.404 $\chi^2/\text{NDF}: 418.9/20$

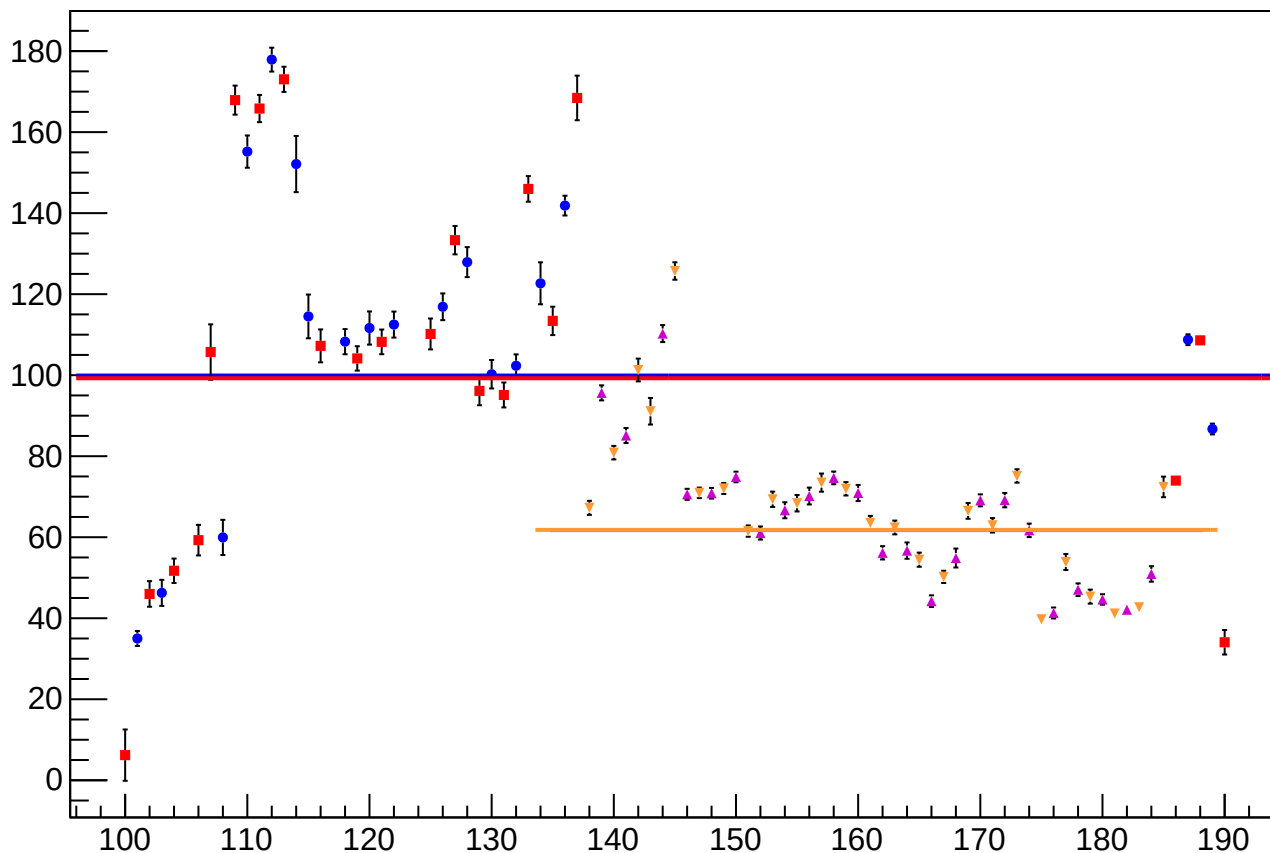
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 2.583 ± 0.214 $\chi^2/\text{NDF}: 1124.0/42$

All: 2.805 ± 0.152 $\chi^2/\text{NDF}: 2199.2/86$

- sign 3.031 ± 0.216 $\chi^2/\text{NDF}: 1073.0/43$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 99.911 $\pm$ 0.615 χ^2 /NDF: 3119.5/17

Left Out: 61.812 $\pm$ 0.331 χ^2 /NDF:2686.4/24

Right Out: 99.245 $\pm$ 0.459 χ^2 /NDF: 4066.4/20

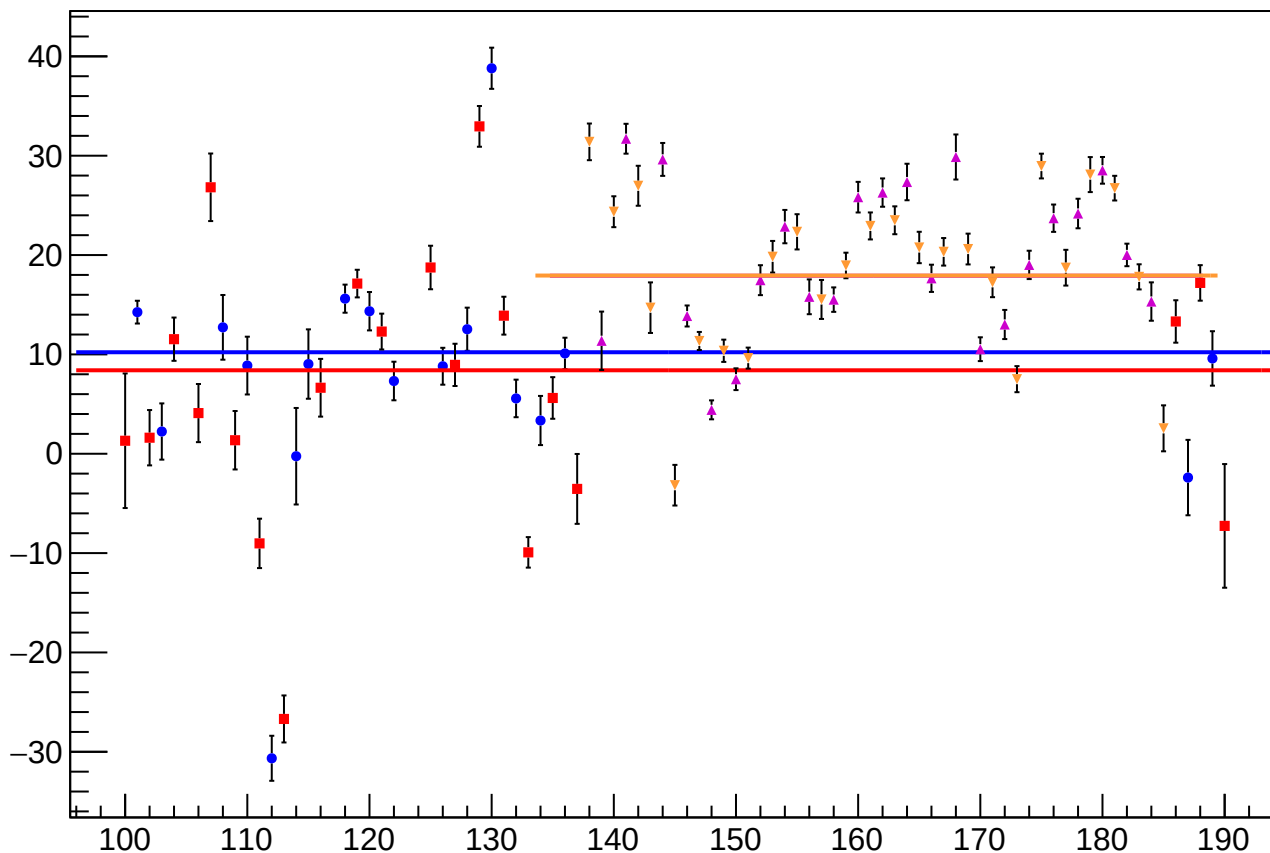
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF:2418.2/22

+ sign 70.347 $\pm$ 0.291 χ^2 /NDF: 8780.5/42

All: 72.605 $\pm$ 0.197 χ^2 /NDF: 19767.1/86

- sign 74.517 $\pm$ 0.268 χ^2 /NDF: 10875.7/43

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.217 ± 0.486 χ^2/NDF : 589.3/17

Left Out: 17.937 ± 0.289 χ^2/NDF : 676.0/24

Right Out: 8.401 ± 0.488 χ^2/NDF : 725.6/20

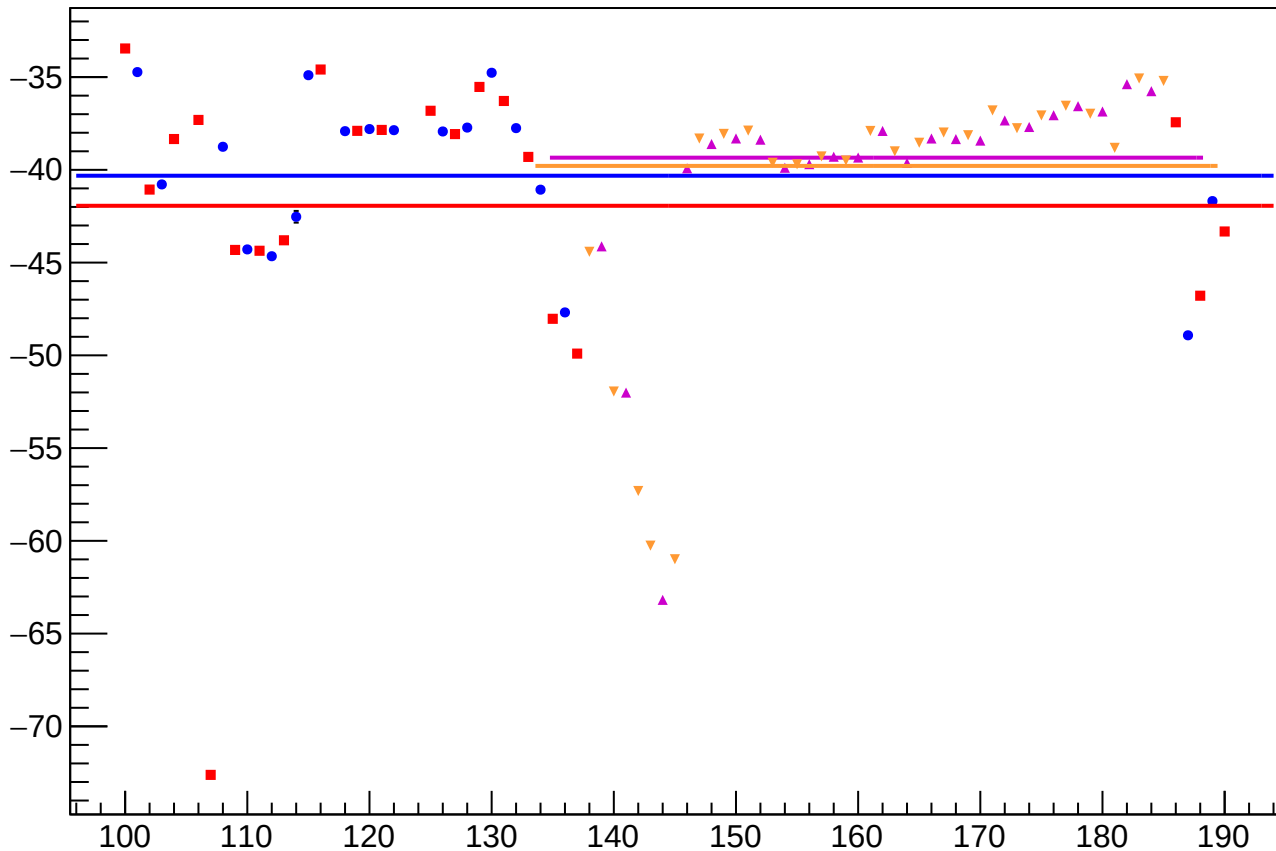
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 15.922 ± 0.248 χ^2/NDF : 1451.6/42

All: 15.665 ± 0.176 χ^2/NDF : 3185.6/86

- sign 15.404 ± 0.251 χ^2/NDF : 1731.8/43

reg_asym_us_avg_diff_bpm12X_slope vs Slug



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: -41.938 ± 0.027 $\chi^2/\text{NDF}: 65516.3/20$

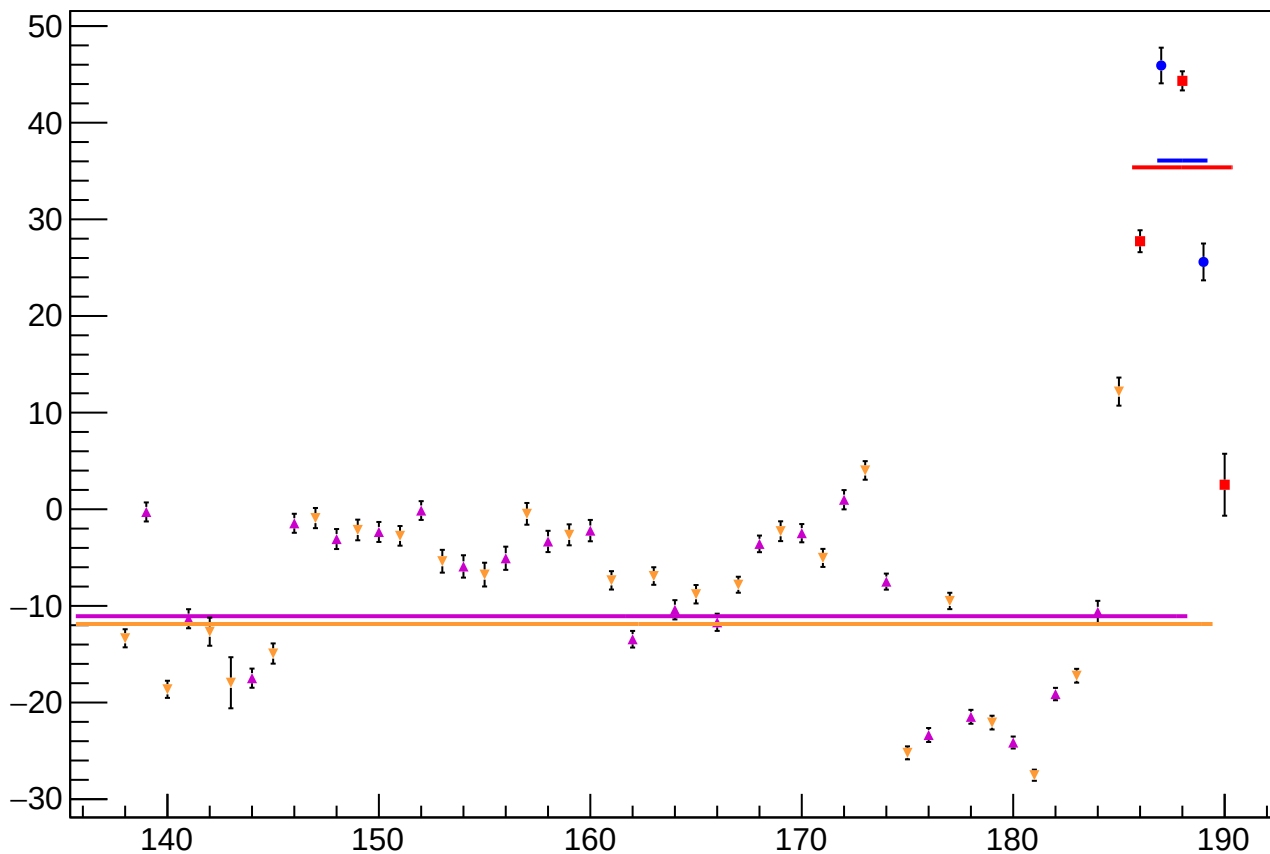
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.893 ± 0.012 $\chi^2/\text{NDF}: 192631.7/42$

All: -39.886 ± 0.009 $\chi^2/\text{NDF}: 382275.8/86$

- sign -39.879 ± 0.012 $\chi^2/\text{NDF}: 189643.5/43$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 36.085 ± 1.326 $\chi^2/\text{NDF}: 58.7/1$

Left Out: -11.873 ± 0.186 $\chi^2/\text{NDF}: 2745.2/24$

Right Out: 35.378 ± 0.727 $\chi^2/\text{NDF}: 232.1/2$

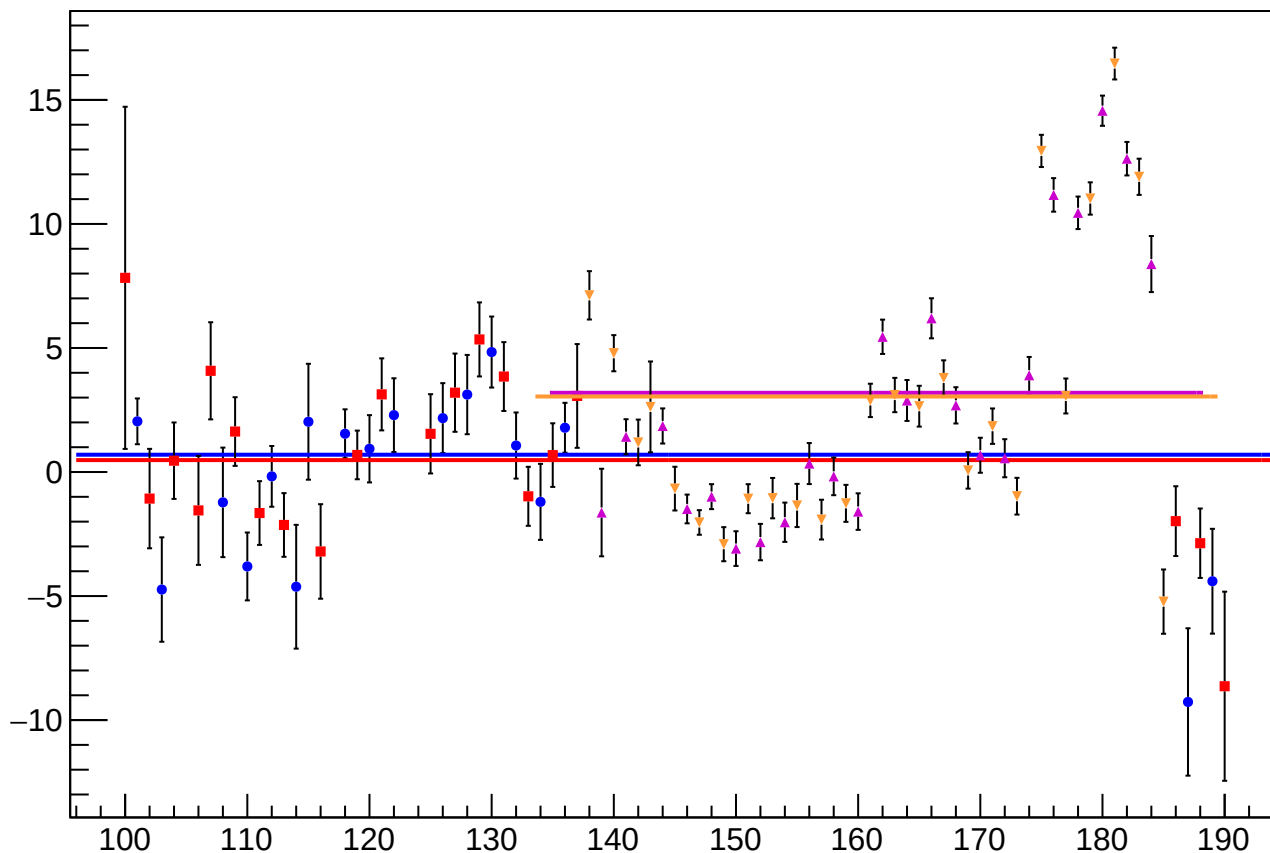
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -10.943 ± 0.185 $\chi^2/\text{NDF}: 4087.5/26$

All: -9.529 ± 0.130 $\chi^2/\text{NDF}: 10370.0/52$

- sign -8.154 ± 0.182 $\chi^2/\text{NDF}: 6166.6/25$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.698 ± 0.336 χ^2/NDF : 59.3/17

Left Out: 3.044 ± 0.147 χ^2/NDF : 1457.3/24

Right Out: 0.480 ± 0.332 χ^2/NDF : 58.2/20

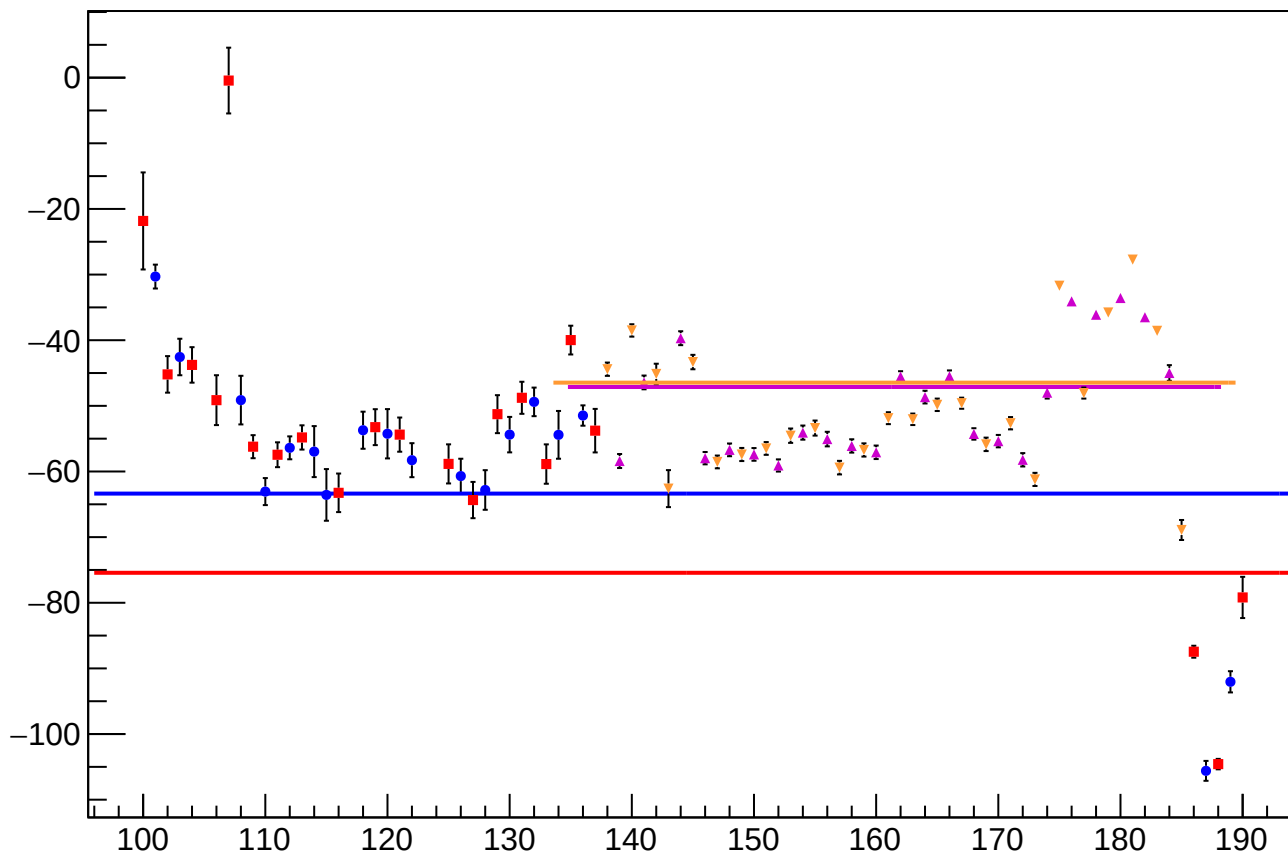
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.665 ± 0.135 χ^2/NDF : 1557.6/42

All: 2.699 ± 0.096 χ^2/NDF : 2966.4/86

- sign 2.734 ± 0.137 χ^2/NDF : 1408.7/43

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



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: -75.433 ± 0.426 $\chi^2/\text{NDF}: 3143.7/20$

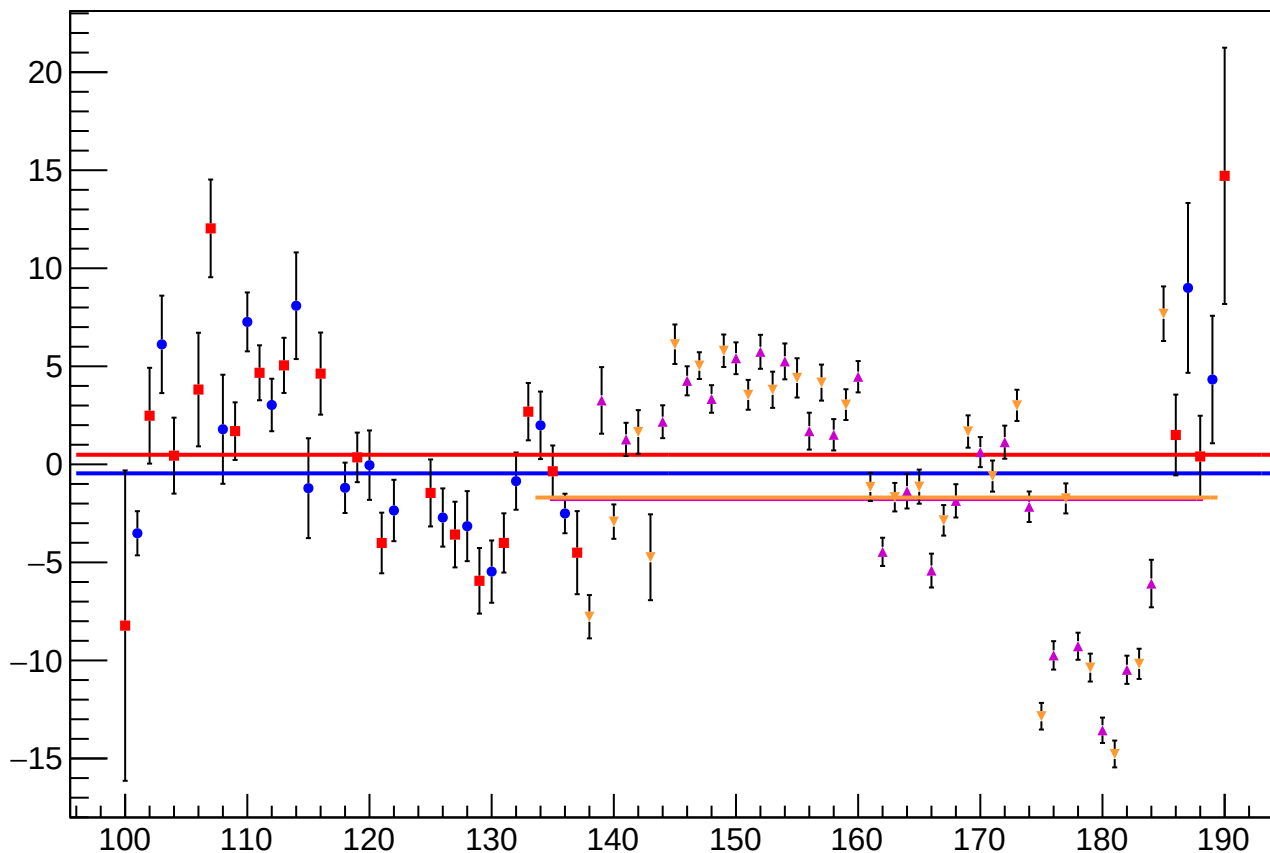
Left In: -47.128 ± 0.187 $\chi^2/\text{NDF}: 2516.0/22$

+ sign -48.271 ± 0.176 $\chi^2/\text{NDF}: 5852.2/42$

All: -50.033 ± 0.123 $\chi^2/\text{NDF}: 15404.9/86$

- sign -51.705 ± 0.171 $\chi^2/\text{NDF}: 9357.2/43$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.459 ± 0.383 $\chi^2/\text{NDF}: 87.8/17$

Left Out: -1.693 ± 0.167 $\chi^2/\text{NDF}: 1485.7/24$

Right Out: 0.489 ± 0.385 $\chi^2/\text{NDF}: 101.2/20$

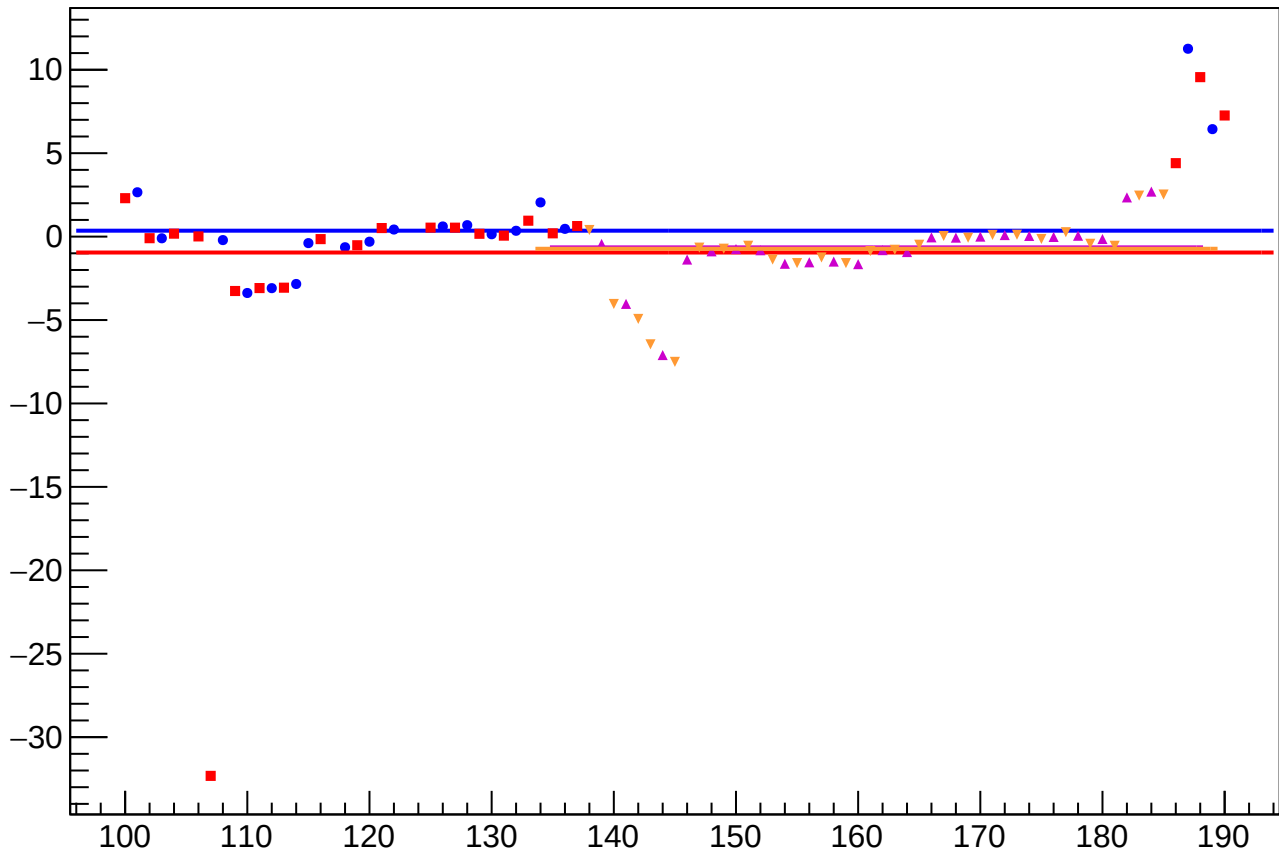
Left In: -1.771 ± 0.169 $\chi^2/\text{NDF}: 1251.3/22$

+ sign -1.497 ± 0.153 $\chi^2/\text{NDF}: 1582.2/42$

All: -1.452 ± 0.109 $\chi^2/\text{NDF}: 2963.7/86$

- sign -1.407 ± 0.155 $\chi^2/\text{NDF}: 1381.3/43$

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.355 ± 0.021 $\chi^2/\text{NDF}: 9091.3/17$

Left Out: -0.728 ± 0.008 $\chi^2/\text{NDF}: 56403.8/24$

Right Out: -0.953 ± 0.021 $\chi^2/\text{NDF}: 92229.3/20$

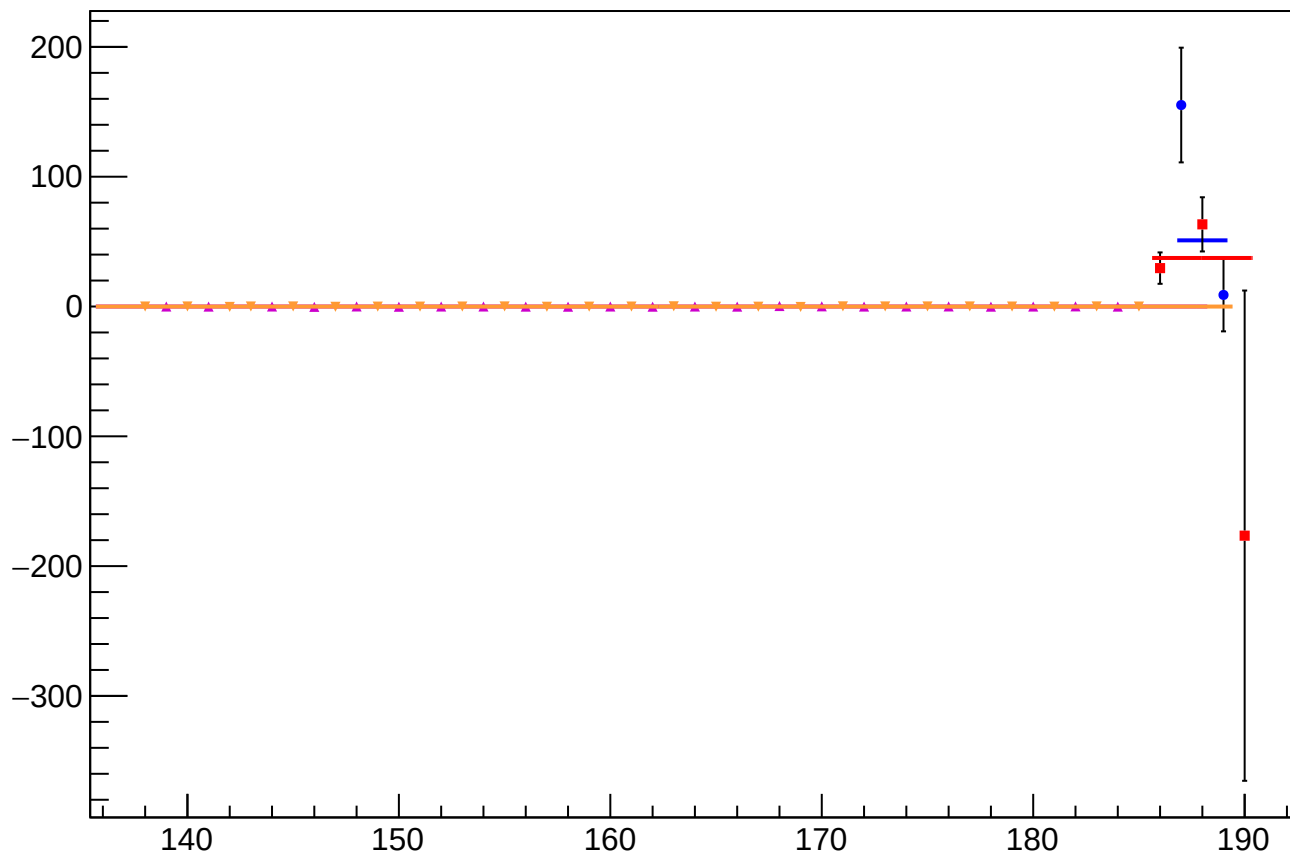
Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

+ sign -0.604 ± 0.007 $\chi^2/\text{NDF}: 67793.0/42$

All: -0.642 ± 0.005 $\chi^2/\text{NDF}: 204437.9/86$

- sign -0.680 ± 0.007 $\chi^2/\text{NDF}: 136589.4/43$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 50.963 $\pm$ 23.688 χ^2 /NDF: 7.8/1

Left Out: -0.036 $\pm$ 0.018 χ^2 /NDF: 35.6/24

Right Out: 37.396 $\pm$ 10.447 χ^2 /NDF: 3.2/2

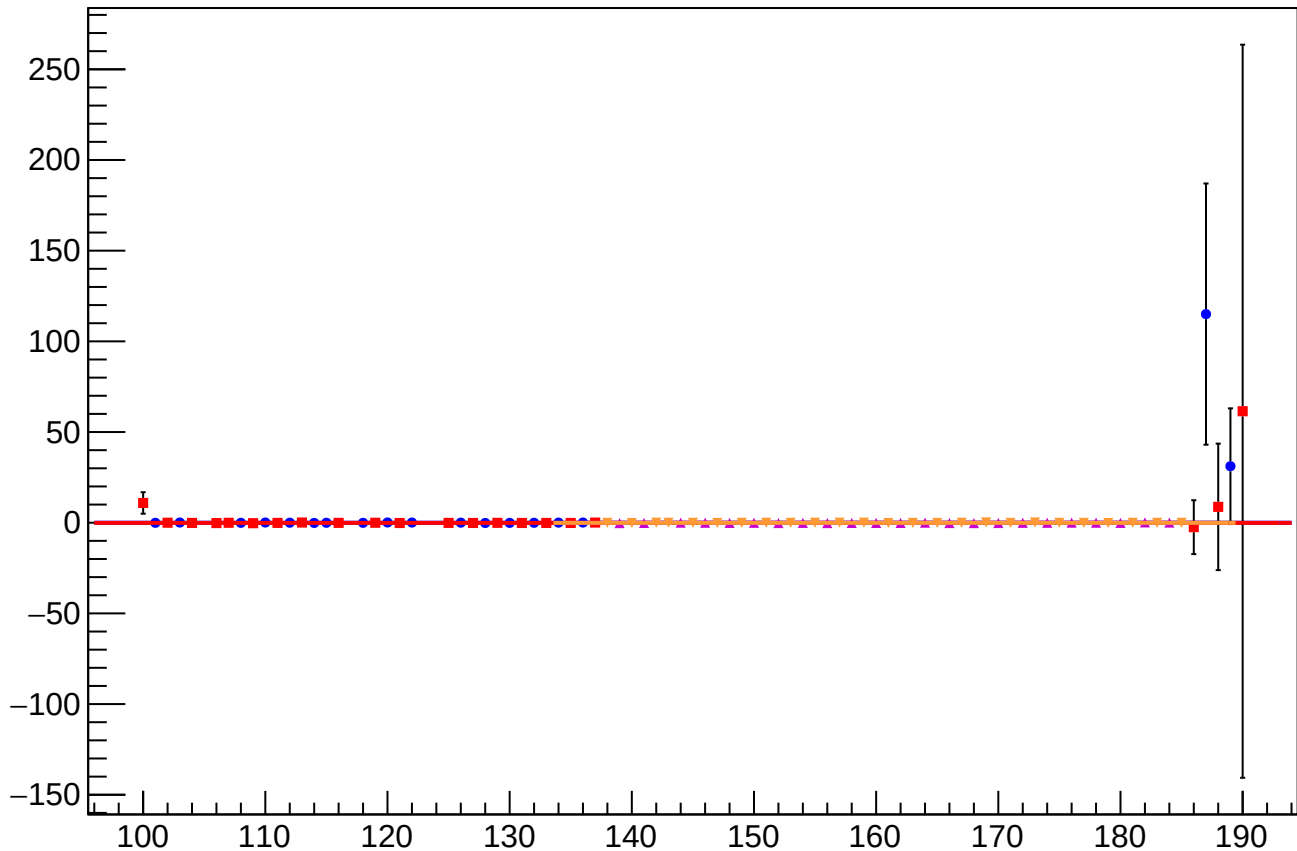
Left In: -0.010 $\pm$ 0.018 χ^2 /NDF: 35.1/22

+ sign -0.036 $\pm$ 0.018 χ^2 /NDF: 48.0/26

All: -0.023 $\pm$ 0.013 χ^2 /NDF: 100.3/52

- sign -0.010 $\pm$ 0.018 χ^2 /NDF: 51.2/25

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 15.5/17

Left Out: -0.071 ± 0.014 χ^2/NDF : 28.3/24

Right Out: -0.088 ± 0.025 χ^2/NDF : 13.1/20

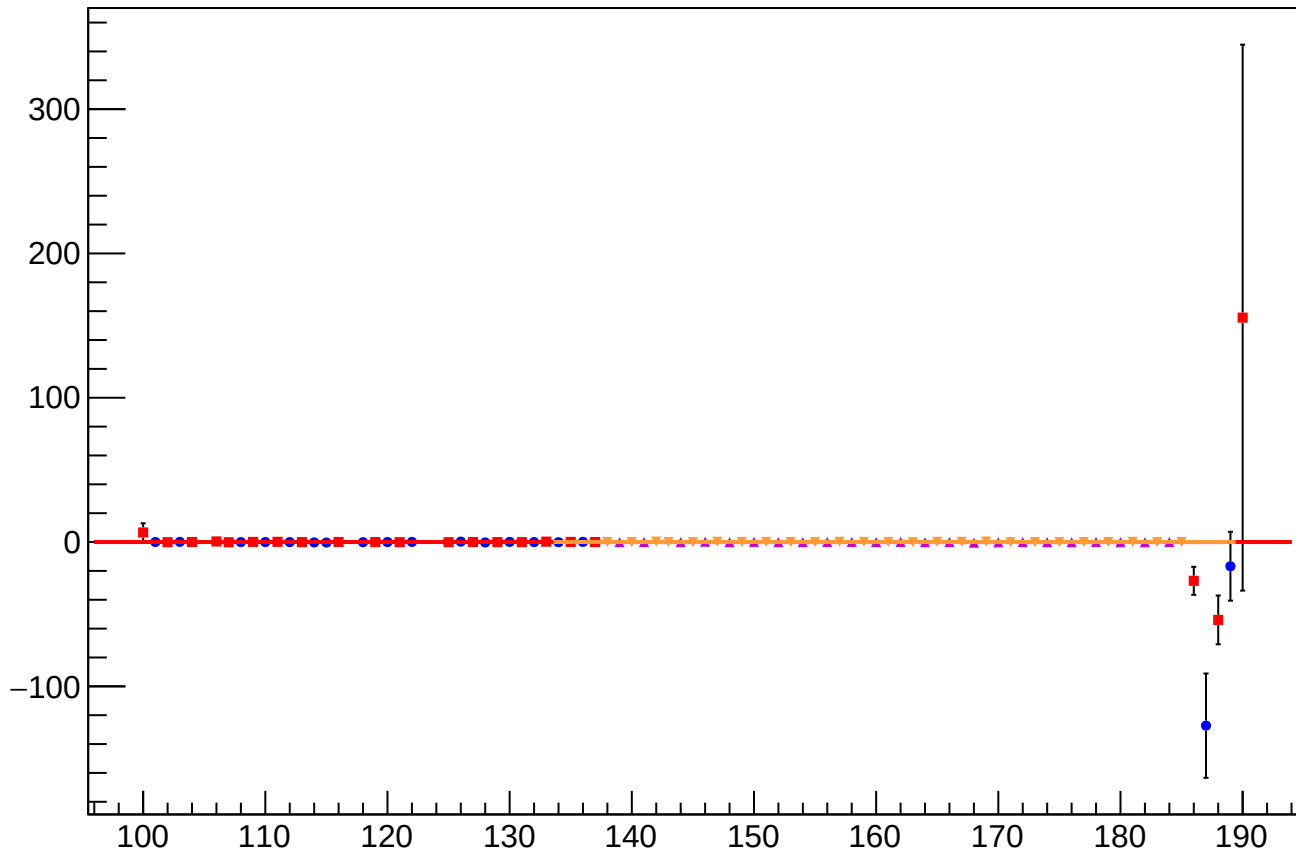
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.056 ± 0.012 χ^2/NDF : 48.3/42

All: -0.063 ± 0.009 χ^2/NDF : 103.8/86

- sign -0.070 ± 0.012 χ^2/NDF : 54.9/43

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



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 : 27.6/20

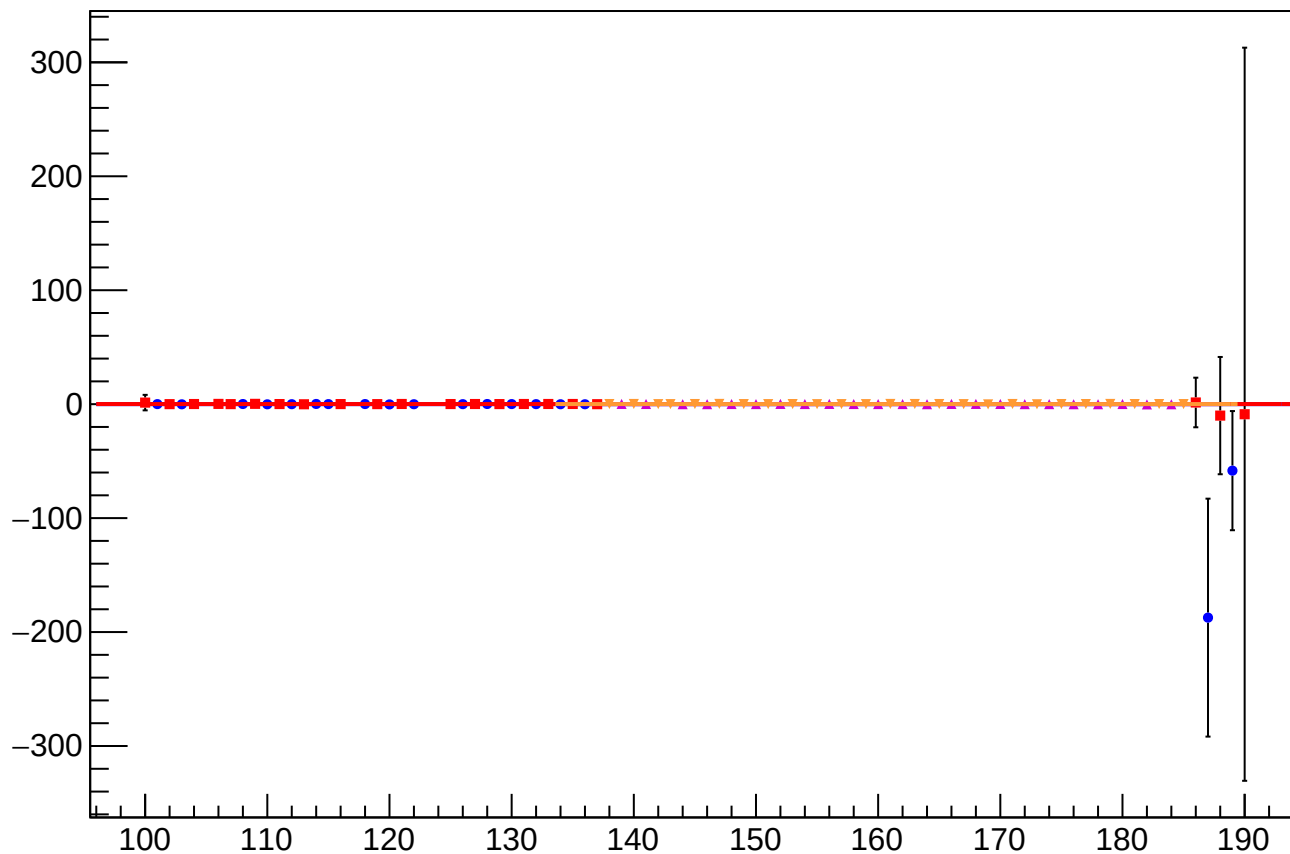
Left In: -0.009 ± 0.018 χ^2/NDF : 36.8/22

+ sign 0.031 ± 0.016 χ^2/NDF : 54.7/42

All: 0.014 ± 0.012 χ^2/NDF : 122.0/86

- sign -0.003 ± 0.017 χ^2/NDF : 65.1/43

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 16.2/17

Left Out: 0.084 $\pm$ 0.016 χ^2 /NDF: 28.1/24

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 8.2/20

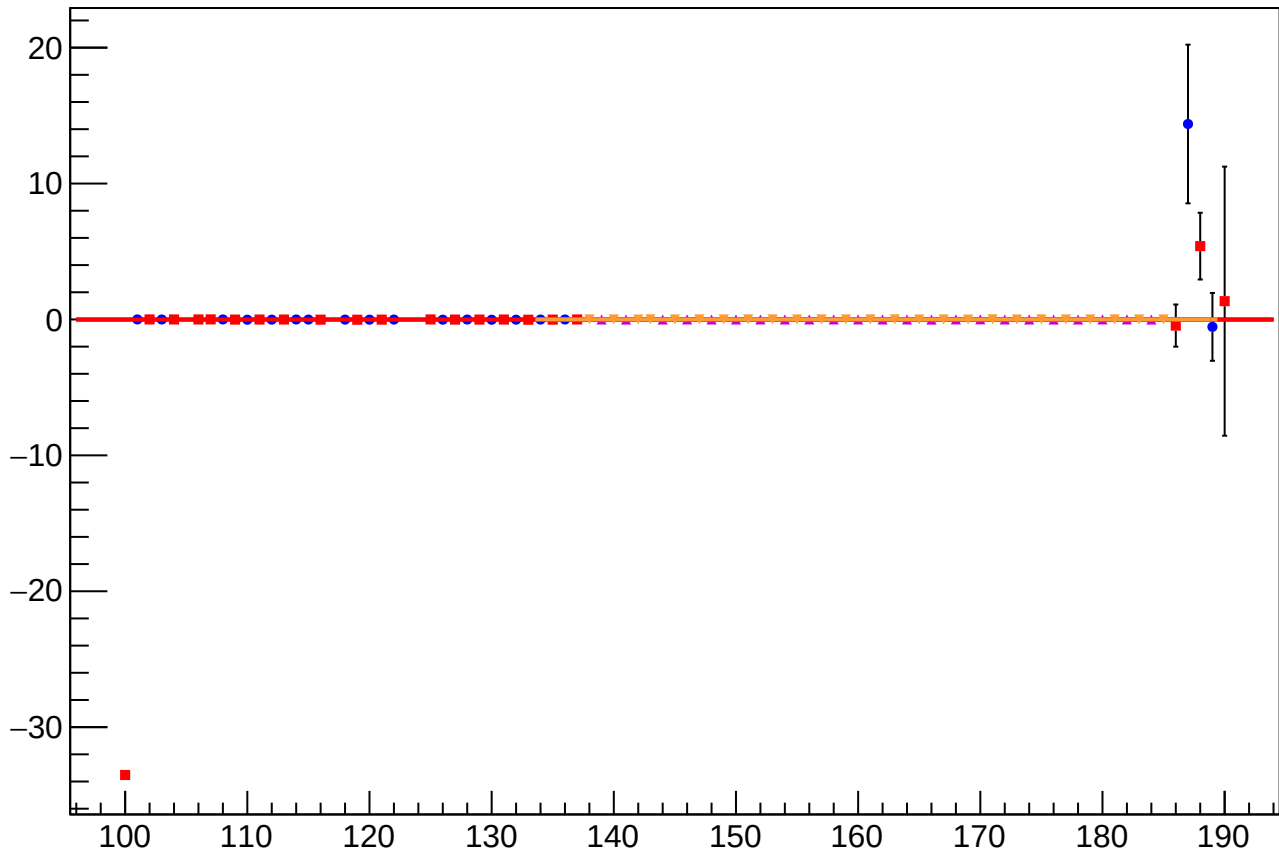
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF: 44.8/22

+ sign 0.065 $\pm$ 0.014 χ^2 /NDF: 50.1/42

All: 0.071 $\pm$ 0.010 χ^2 /NDF: 104.7/86

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 54.2/43

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 27.6/17

Left Out: 0.001 ± 0.001 χ^2/NDF : 26.1/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 26513.9/20

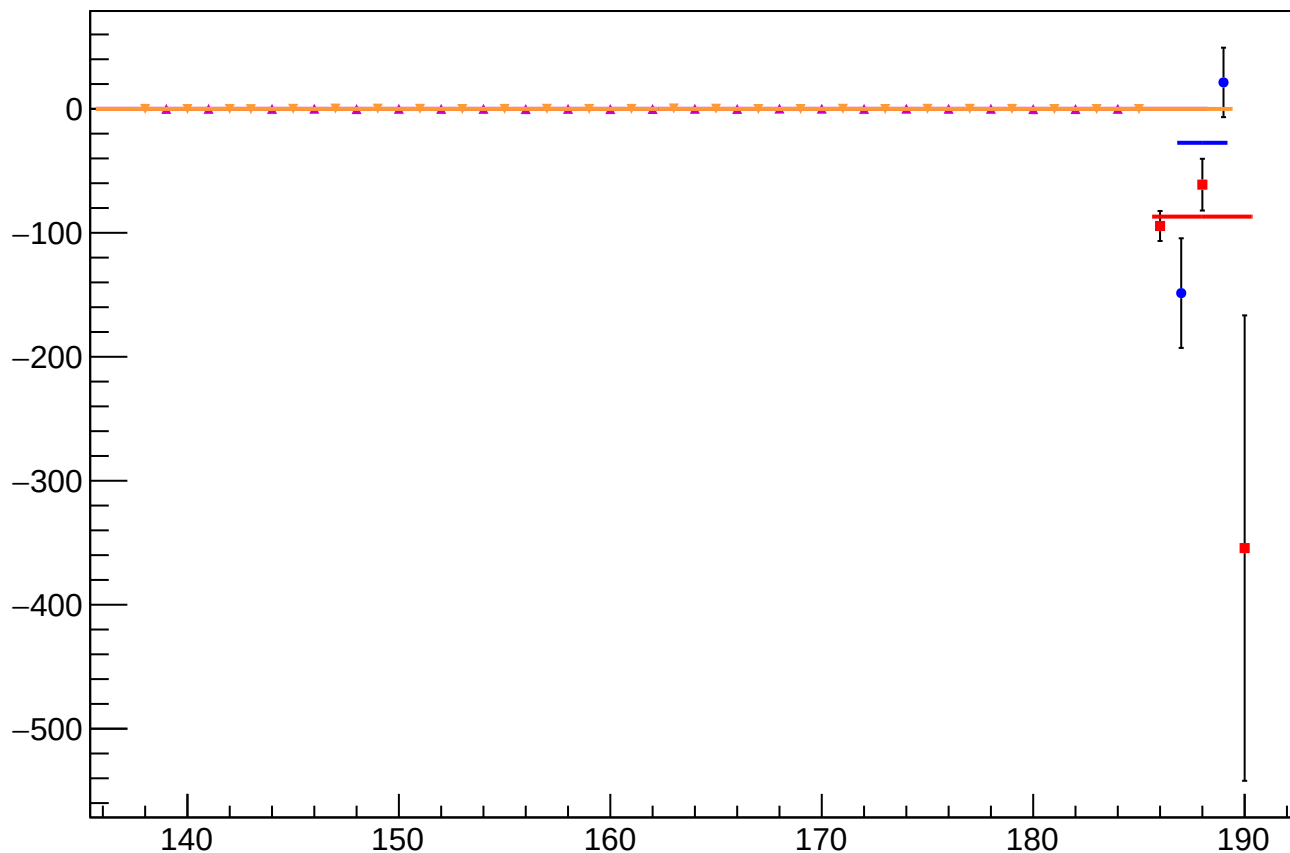
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 67.6/42

All: -0.001 ± 0.000 χ^2/NDF : 26618.0/86

- sign -0.001 ± 0.001 χ^2/NDF : 26550.1/43

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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: -86.935 ± 10.450 $\chi^2/\text{NDF}: 3.9/2$

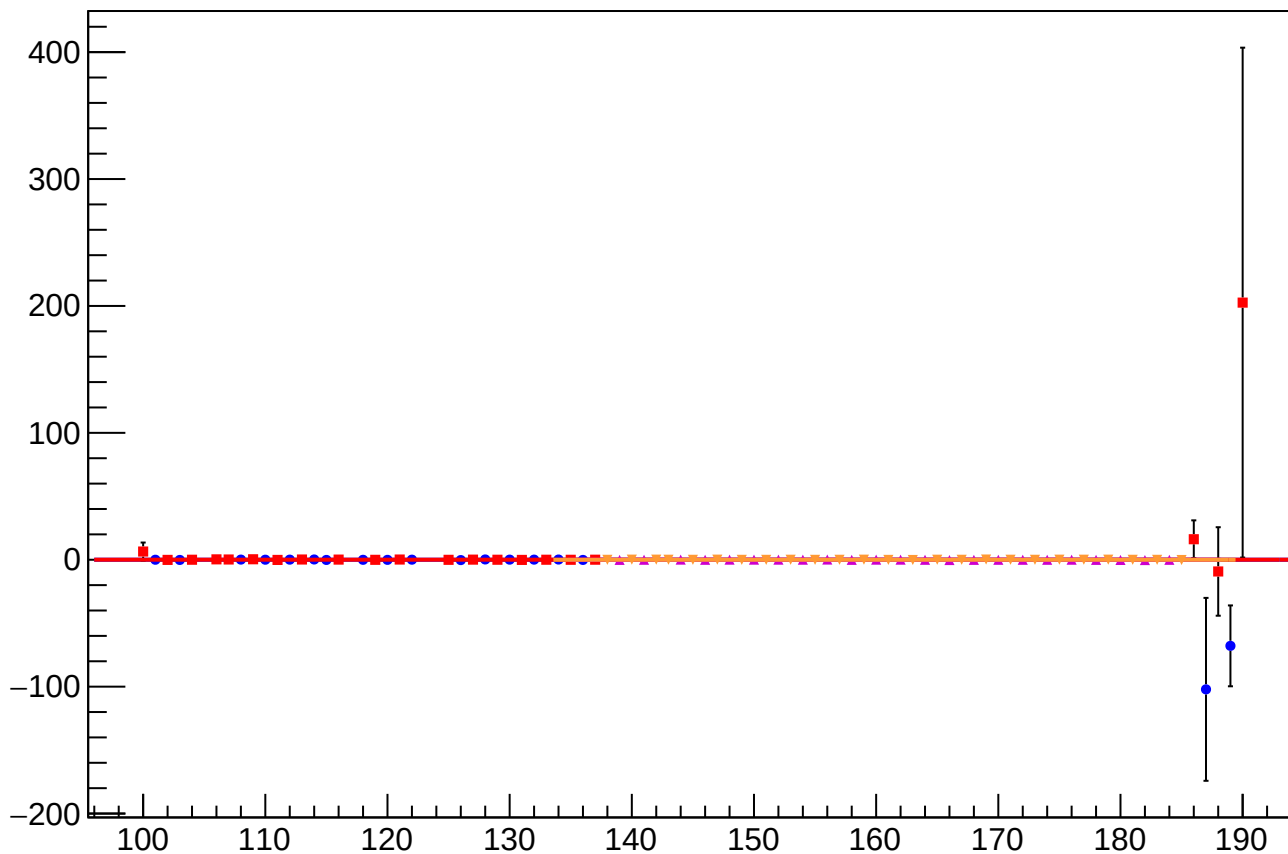
Left In: -0.009 ± 0.018 $\chi^2/\text{NDF}: 35.1/22$

+ sign -0.059 ± 0.018 $\chi^2/\text{NDF}: 53.6/26$

All: -0.035 ± 0.013 $\chi^2/\text{NDF}: 165.7/52$

- sign -0.009 ± 0.018 $\chi^2/\text{NDF}: 108.2/25$

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 ± 0.023 χ^2/NDF : 31.7/17

Left Out: -0.010 ± 0.014 χ^2/NDF : 29.7/24

Right Out: 0.037 ± 0.025 χ^2/NDF : 31.0/20

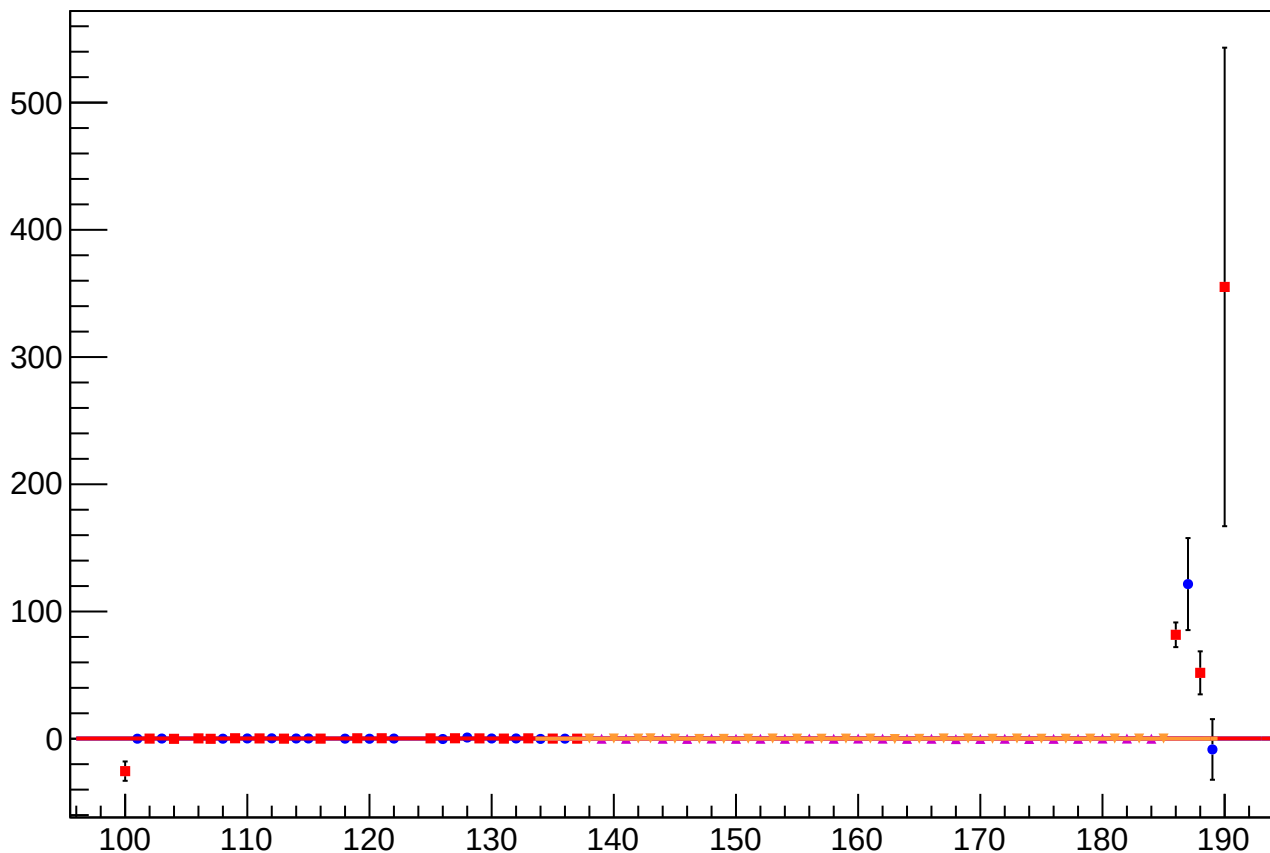
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.005 ± 0.012 χ^2/NDF : 61.8/42

All: 0.003 ± 0.009 χ^2/NDF : 144.6/86

- sign 0.013 ± 0.012 χ^2/NDF : 81.8/43

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 ± 0.043 $\chi^2/\text{NDF}: 41.1/17$

Left Out: 0.055 ± 0.018 $\chi^2/\text{NDF}: 41.0/24$

Right Out: 0.197 ± 0.045 $\chi^2/\text{NDF}: 105.5/20$

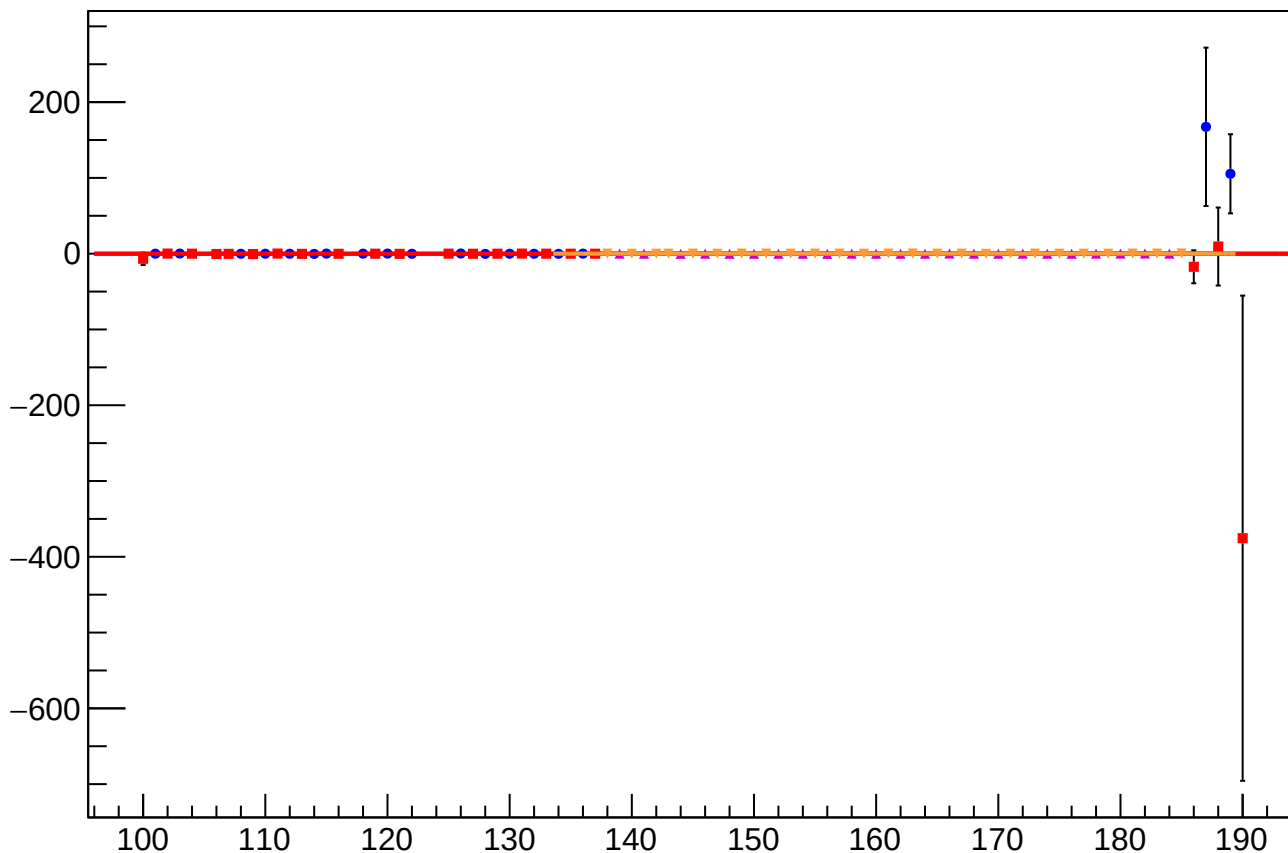
Left In: 0.020 ± 0.018 $\chi^2/\text{NDF}: 35.8/22$

+ sign 0.070 ± 0.016 $\chi^2/\text{NDF}: 86.8/42$

All: 0.057 ± 0.012 $\chi^2/\text{NDF}: 242.7/86$

- sign 0.044 ± 0.017 $\chi^2/\text{NDF}: 154.7/43$

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 31.3/17

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.4/24

Right Out: -0.046 ± 0.029 χ^2/NDF : 28.3/20

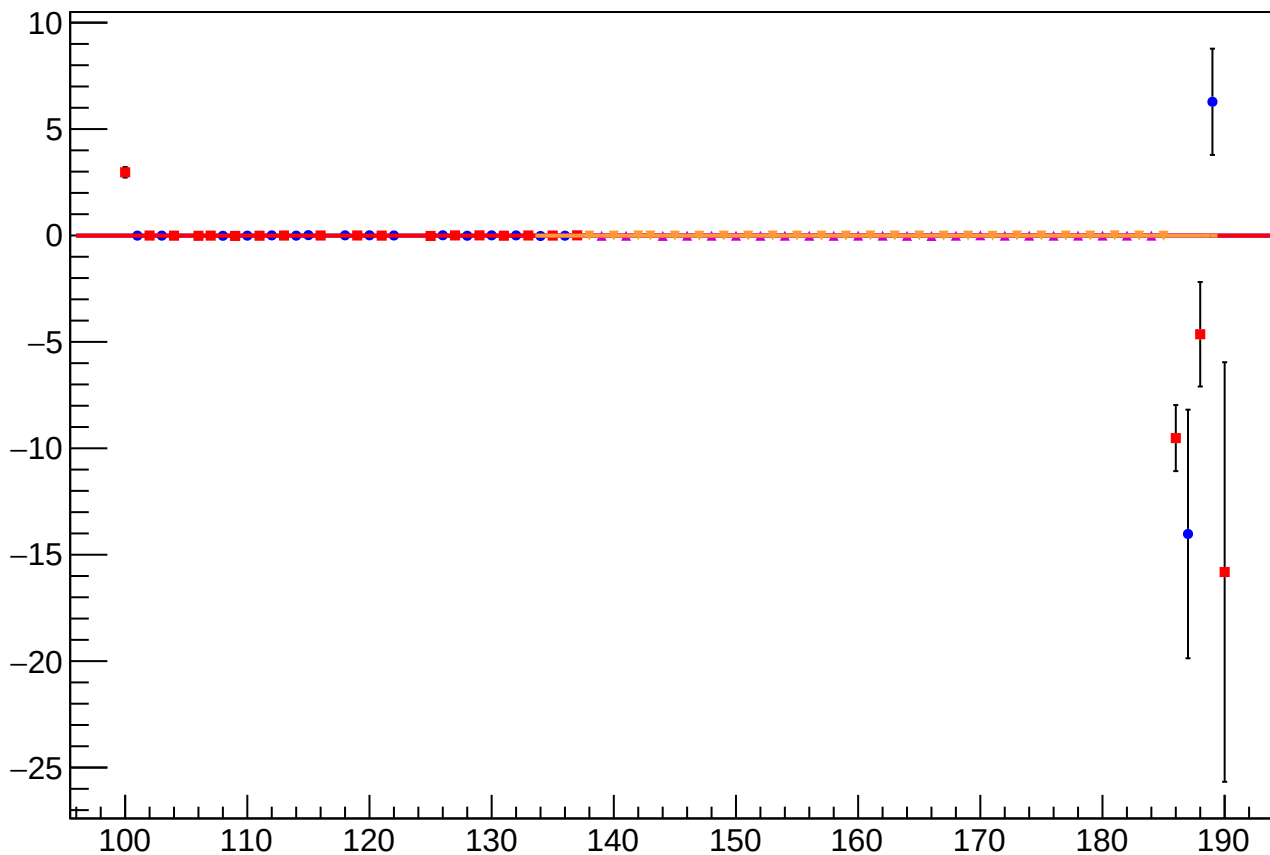
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 65.6/42

All: 0.003 ± 0.010 χ^2/NDF : 147.6/86

- sign -0.007 ± 0.014 χ^2/NDF : 81.0/43

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 39.6/17

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.7/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 209.0/20

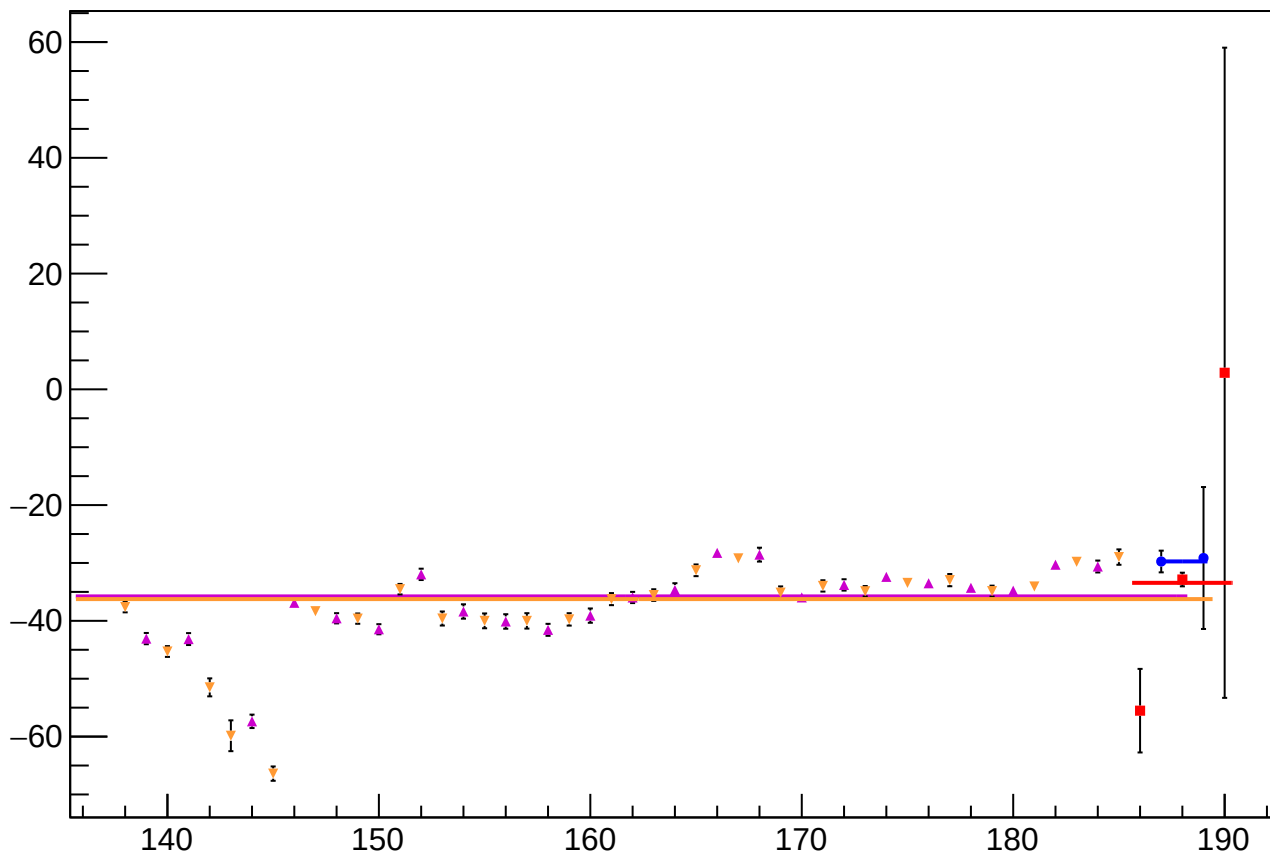
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 73.8/42

All: -0.008 ± 0.000 χ^2/NDF : 323.2/86

- sign -0.008 ± 0.001 χ^2/NDF : 249.2/43

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.734 ± 1.853 χ^2/NDF : 0.0/1

Left Out: -36.243 ± 0.191 χ^2/NDF : 1193.9/24

Right Out: -33.435 ± 1.164 χ^2/NDF : 10.0/2

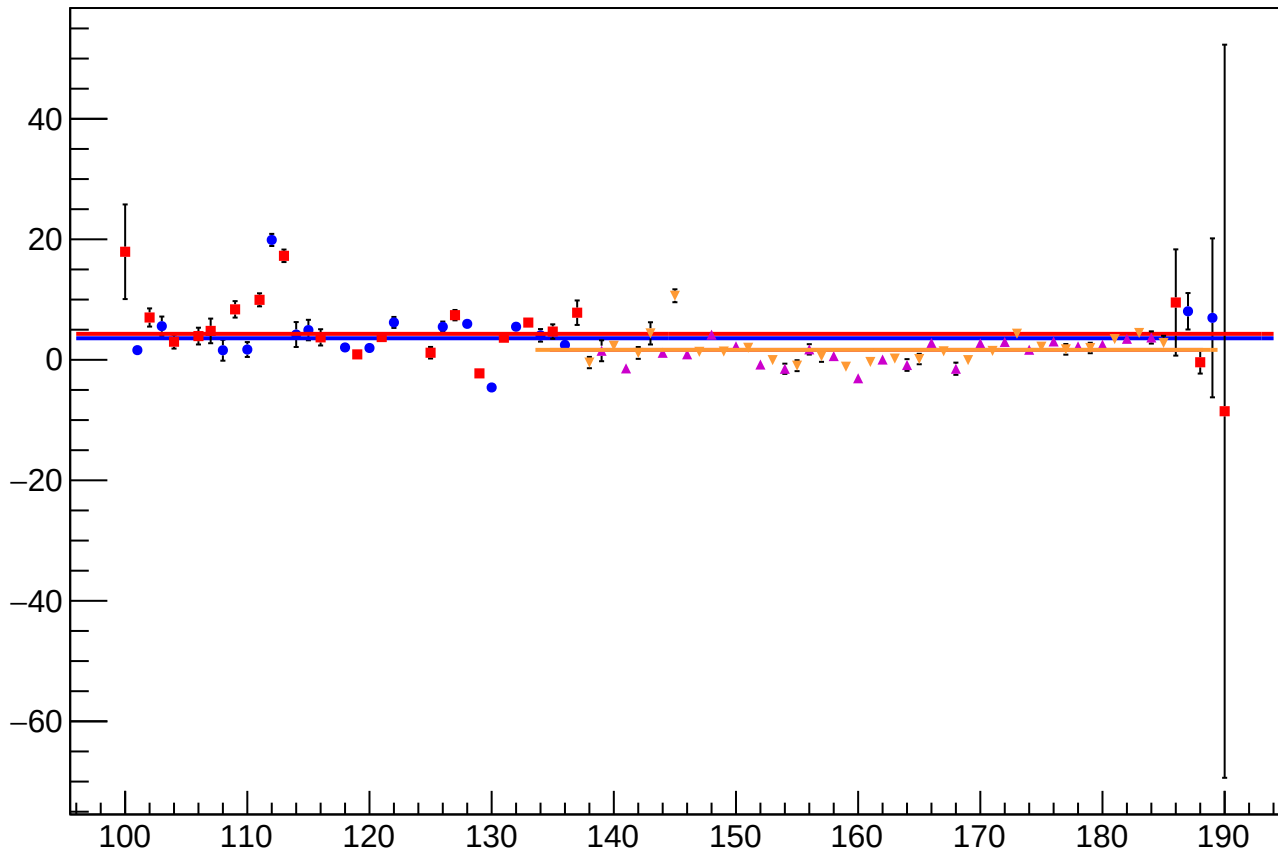
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -36.174 ± 0.190 χ^2/NDF : 1206.1/26

All: -35.944 ± 0.134 χ^2/NDF : 2077.1/52

- sign -35.718 ± 0.189 χ^2/NDF : 868.1/25

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.577 ± 0.220 χ^2/NDF : 442.2/17

Left Out: 1.652 ± 0.147 χ^2/NDF : 168.8/24

Right Out: 4.310 ± 0.224 χ^2/NDF : 359.9/20

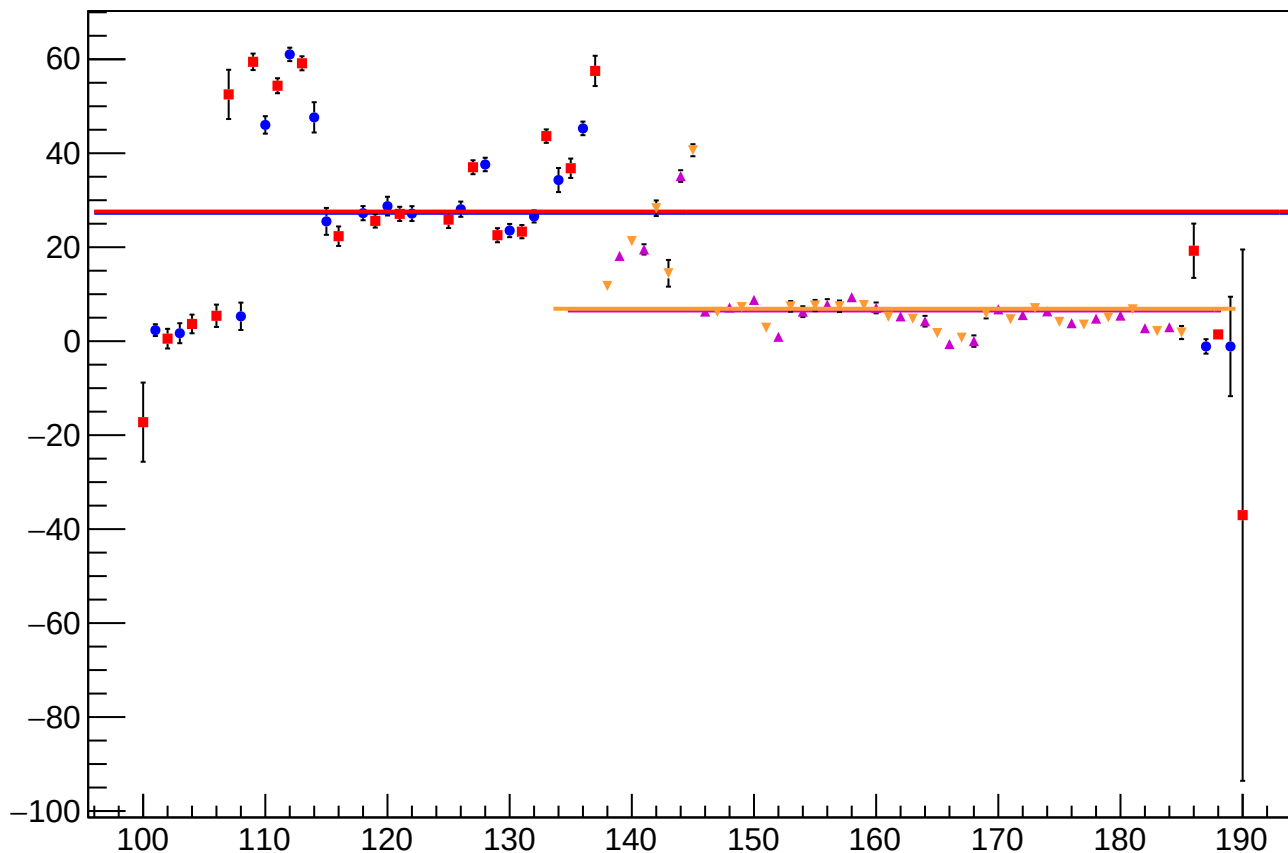
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.247 ± 0.122 χ^2/NDF : 663.8/42

All: 2.355 ± 0.087 χ^2/NDF : 1286.9/86

- sign 2.466 ± 0.124 χ^2/NDF : 621.6/43

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 27.331 $\pm$ 0.405 χ^2 /NDF: 1864.1/17

Left Out: 6.900 $\pm$ 0.191 χ^2 /NDF:1302.8/24

Right Out: 27.586 $\pm$ 0.386 χ^2 /NDF: 2566.2/20

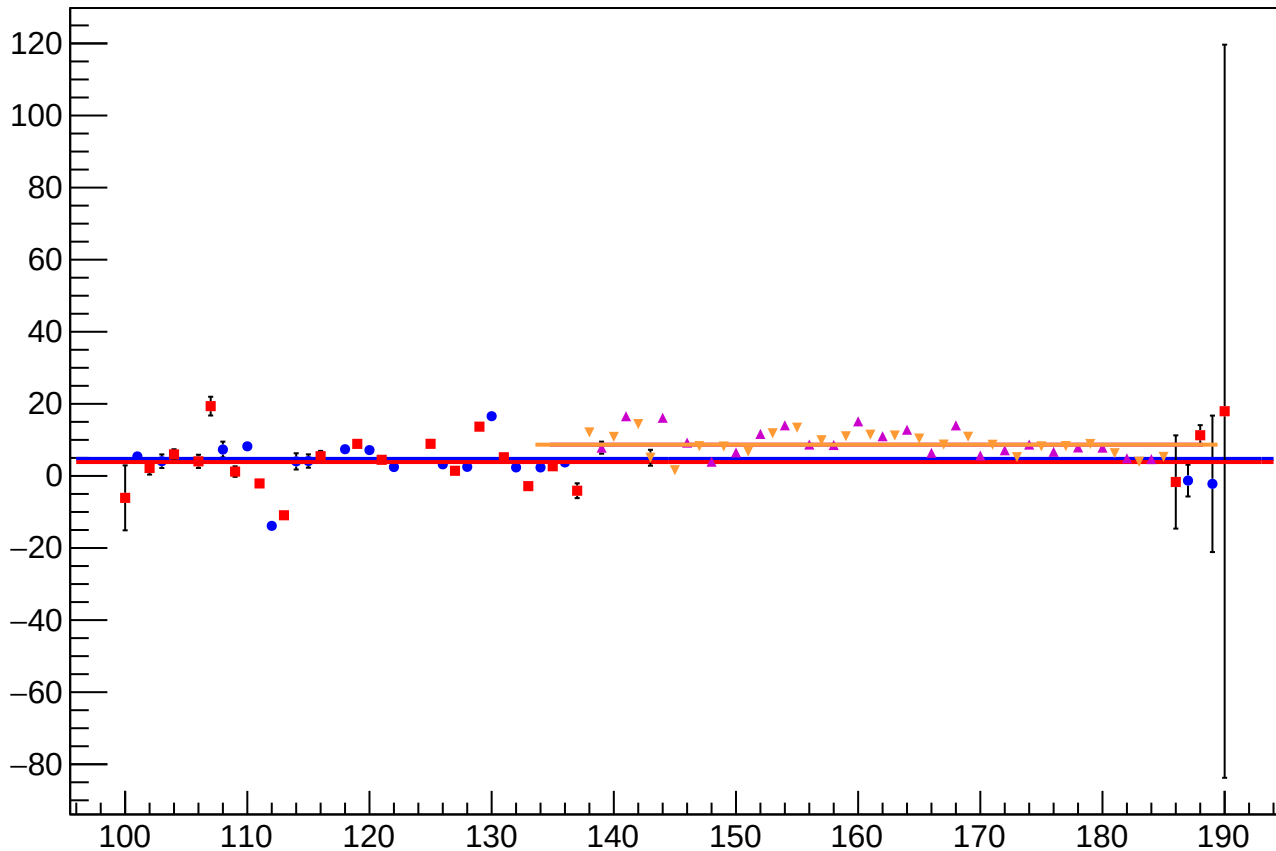
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF:1025.1/22

+ sign 10.613 $\pm$ 0.173 χ^2 /NDF: 5247.1/42

All: 10.632 $\pm$ 0.121 χ^2 /NDF: 11227.7/86

- sign 10.651 $\pm$ 0.171 χ^2 /NDF: 5980.6/43

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.729 $\pm$ 0.254 χ^2 /NDF: 548.6/17

Left Out: 8.674 $\pm$ 0.168 χ^2 /NDF: 243.7/24

Right Out: 3.850 $\pm$ 0.258 χ^2 /NDF: 572.1/20

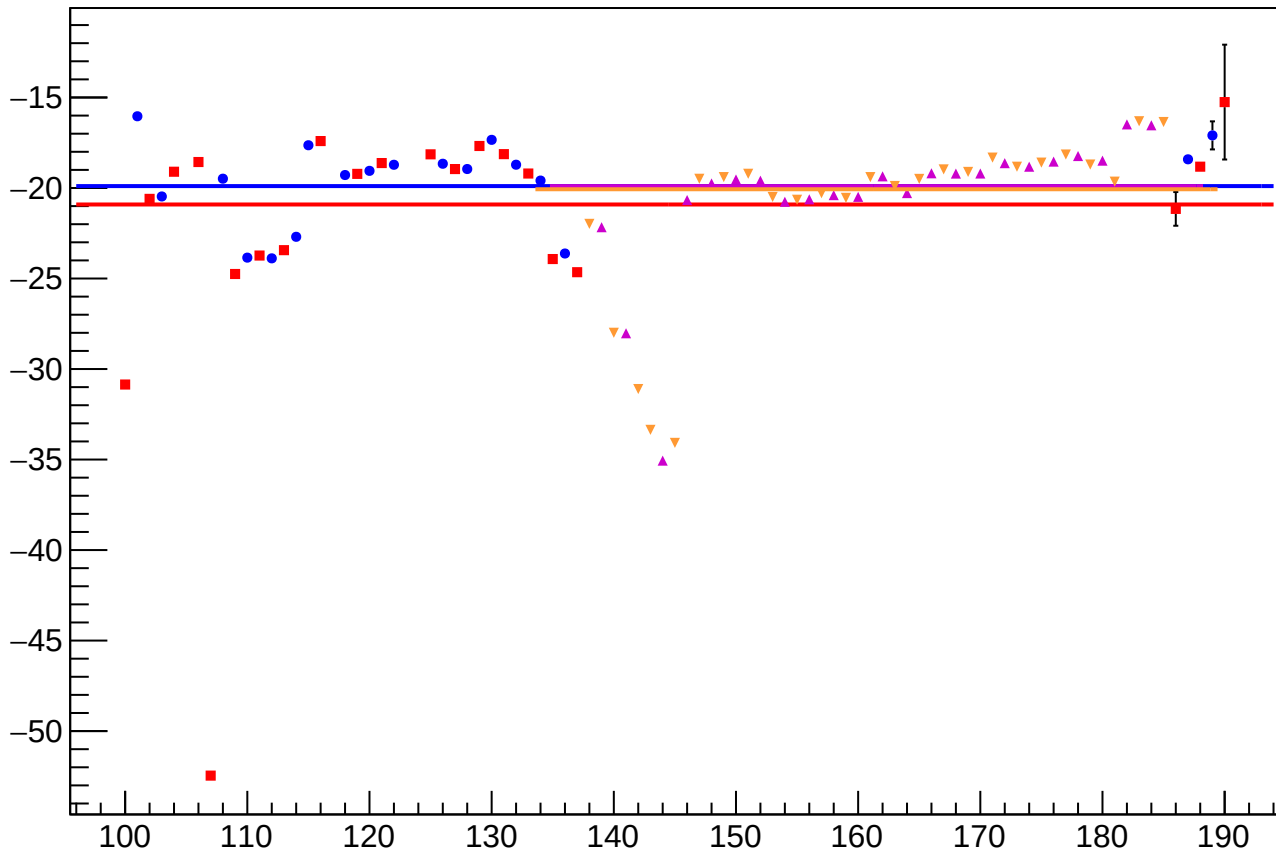
Left In: 8.668 $\pm$ 0.170 χ^2 /NDF: 436.7/22

+ sign 7.469 $\pm$ 0.140 χ^2 /NDF: 959.7/42

All: 7.339 $\pm$ 0.100 χ^2 /NDF: 2213.4/86

- sign 7.206 $\pm$ 0.142 χ^2 /NDF: 1252.0/43

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.895 ± 0.016 $\chi^2/\text{NDF}: 26068.2/17$

Left Out: -20.069 ± 0.008 $\chi^2/\text{NDF}: 185373.7/24$

Right Out: -20.911 ± 0.016 $\chi^2/\text{NDF}: 94205.8/20$

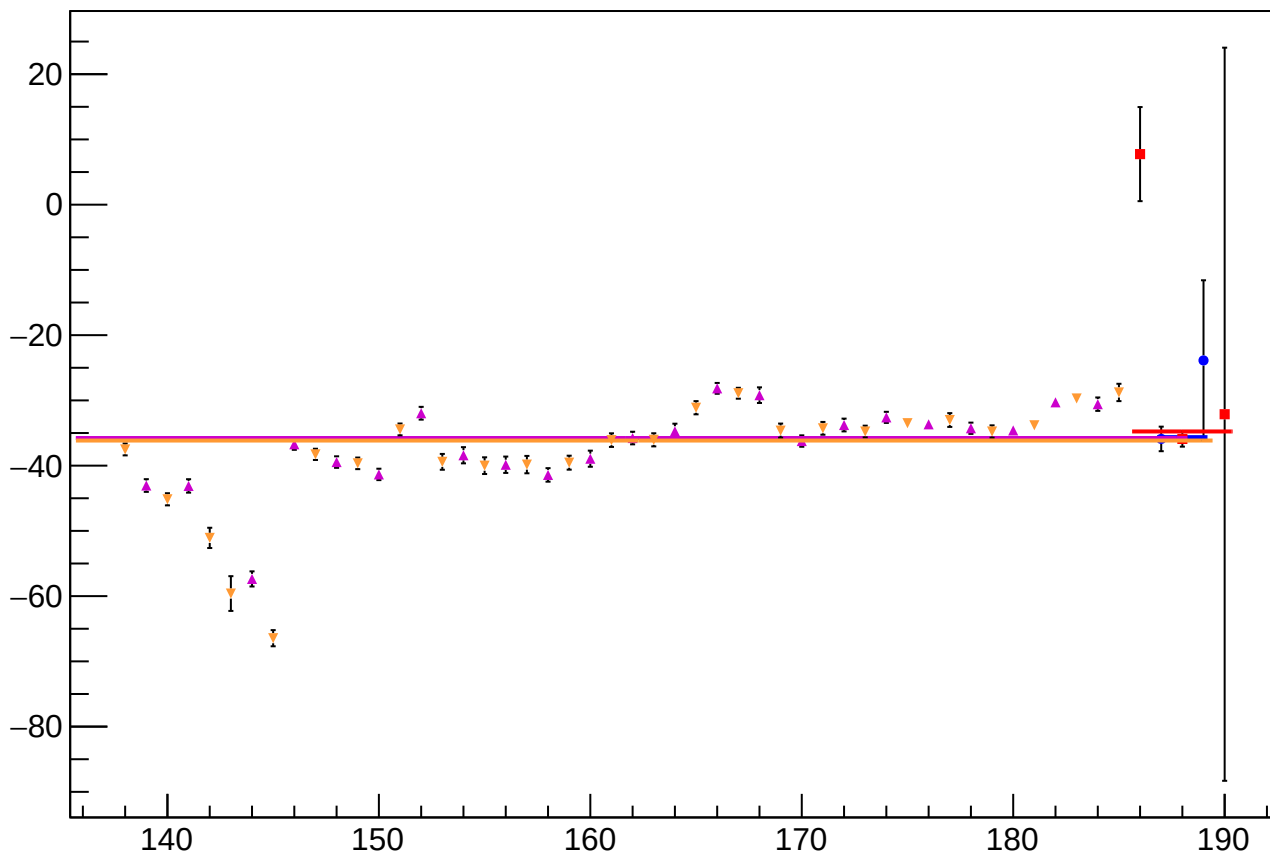
Left In: -19.898 ± 0.008 $\chi^2/\text{NDF}: 144191.9/22$

+ sign -20.034 ± 0.007 $\chi^2/\text{NDF}: 211541.3/42$

All: -20.068 ± 0.005 $\chi^2/\text{NDF}: 453335.0/86$

- sign -20.101 ± 0.007 $\chi^2/\text{NDF}: 241747.4/43$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -35.630 $\pm$ 1.860 χ^2/NDF : 0.9/1

Left Out: -36.152 $\pm$ 0.191 χ^2/NDF : 1199.2/24

Right Out: -34.761 $\pm$ 1.167 χ^2/NDF : 35.7/2

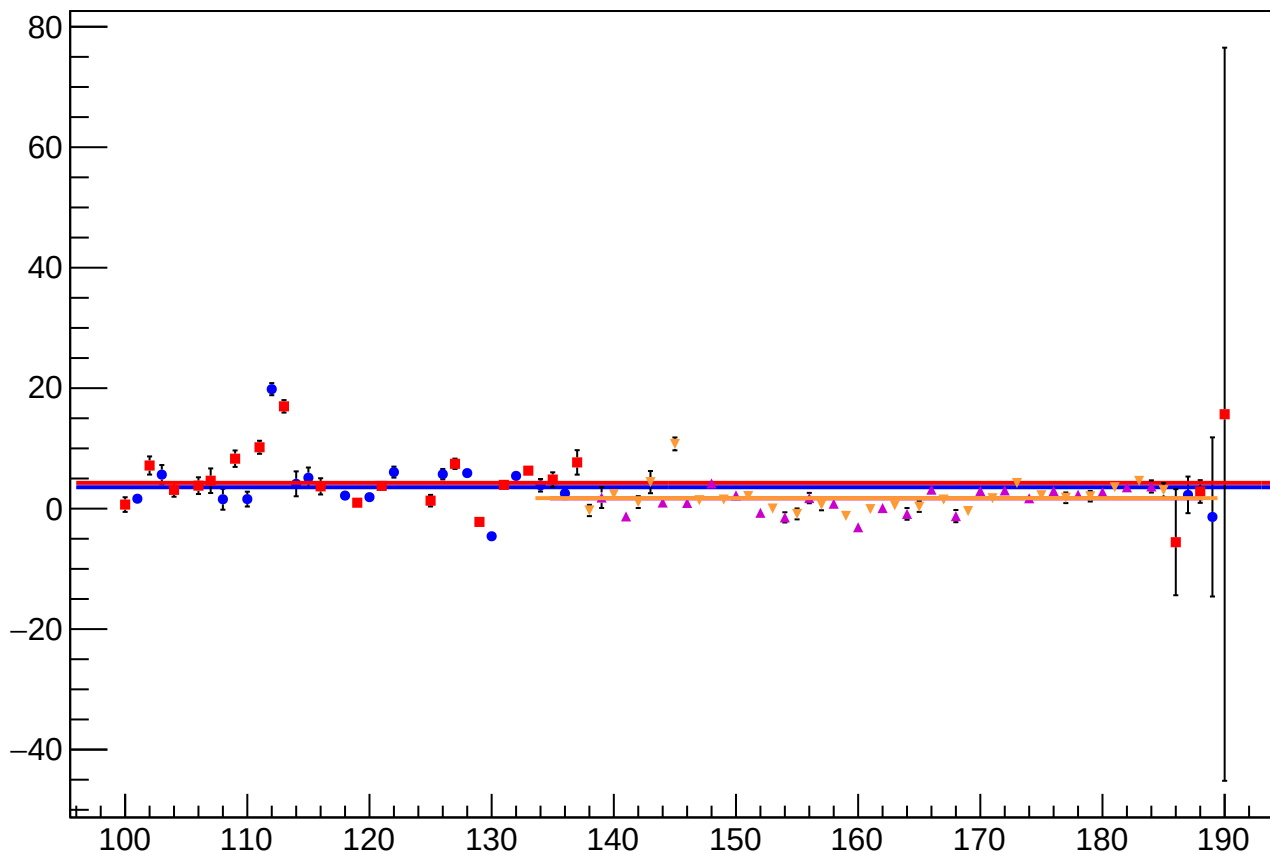
Left In: -35.766 $\pm$ 0.191 χ^2/NDF : 842.6/22

+ sign -36.147 $\pm$ 0.190 χ^2/NDF : 1200.2/26

All: -35.942 $\pm$ 0.134 χ^2/NDF : 2081.5/52

- sign -35.740 $\pm$ 0.189 χ^2/NDF : 879.0/25

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.551 ± 0.220 χ^2/NDF : 437.4/17

Left Out: 1.741 ± 0.147 χ^2/NDF : 170.2/24

Right Out: 4.281 ± 0.220 χ^2/NDF : 354.0/20

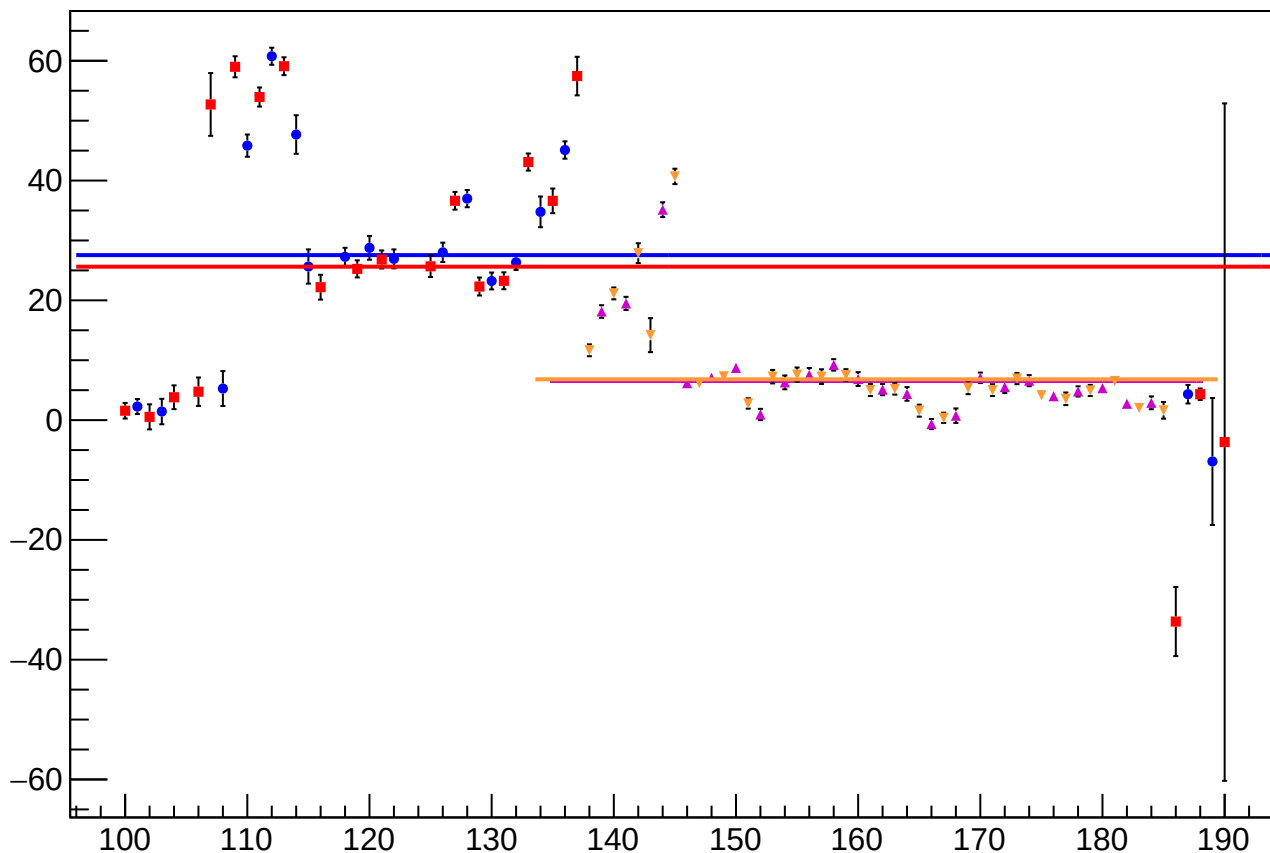
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.301 ± 0.122 χ^2/NDF : 654.5/42

All: 2.409 ± 0.087 χ^2/NDF : 1267.0/86

- sign 2.519 ± 0.124 χ^2/NDF : 610.9/43

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 27.552 ± 0.405 $\chi^2/\text{NDF}: 1737.2/17$

Left Out: 6.813 ± 0.191 $\chi^2/\text{NDF}: 1304.5/24$

Right Out: 25.622 ± 0.371 $\chi^2/\text{NDF}: 2832.6/20$

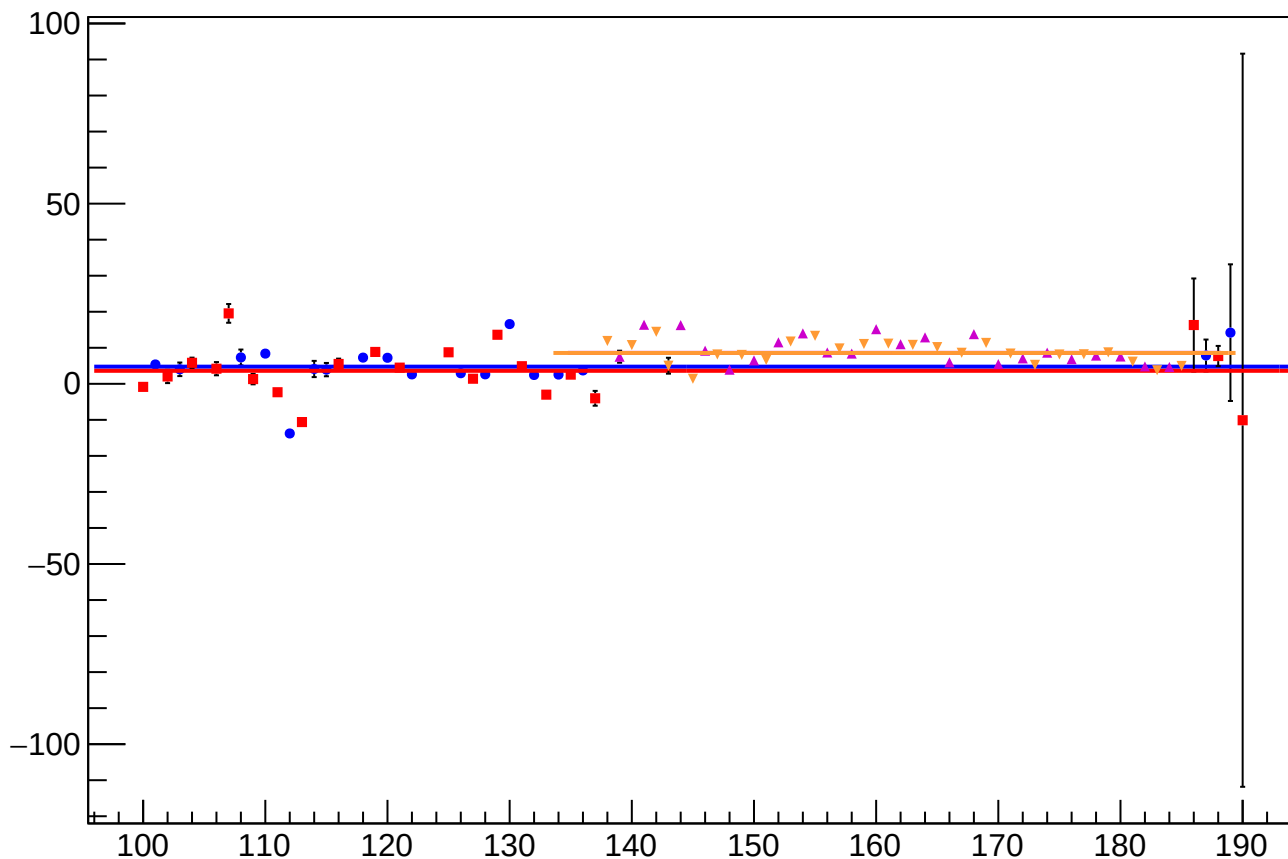
Left In: 6.532 ± 0.190 $\chi^2/\text{NDF}: 1018.2/22$

+ sign 10.580 ± 0.173 $\chi^2/\text{NDF}: 5187.1/42$

All: 10.546 ± 0.121 $\chi^2/\text{NDF}: 11136.8/86$

- sign 10.513 ± 0.169 $\chi^2/\text{NDF}: 5949.7/43$

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.761 ± 0.254 χ^2/NDF : 543.8/17

Left Out: 8.565 ± 0.168 χ^2/NDF : 248.1/24

Right Out: 3.612 ± 0.253 χ^2/NDF : 573.5/20

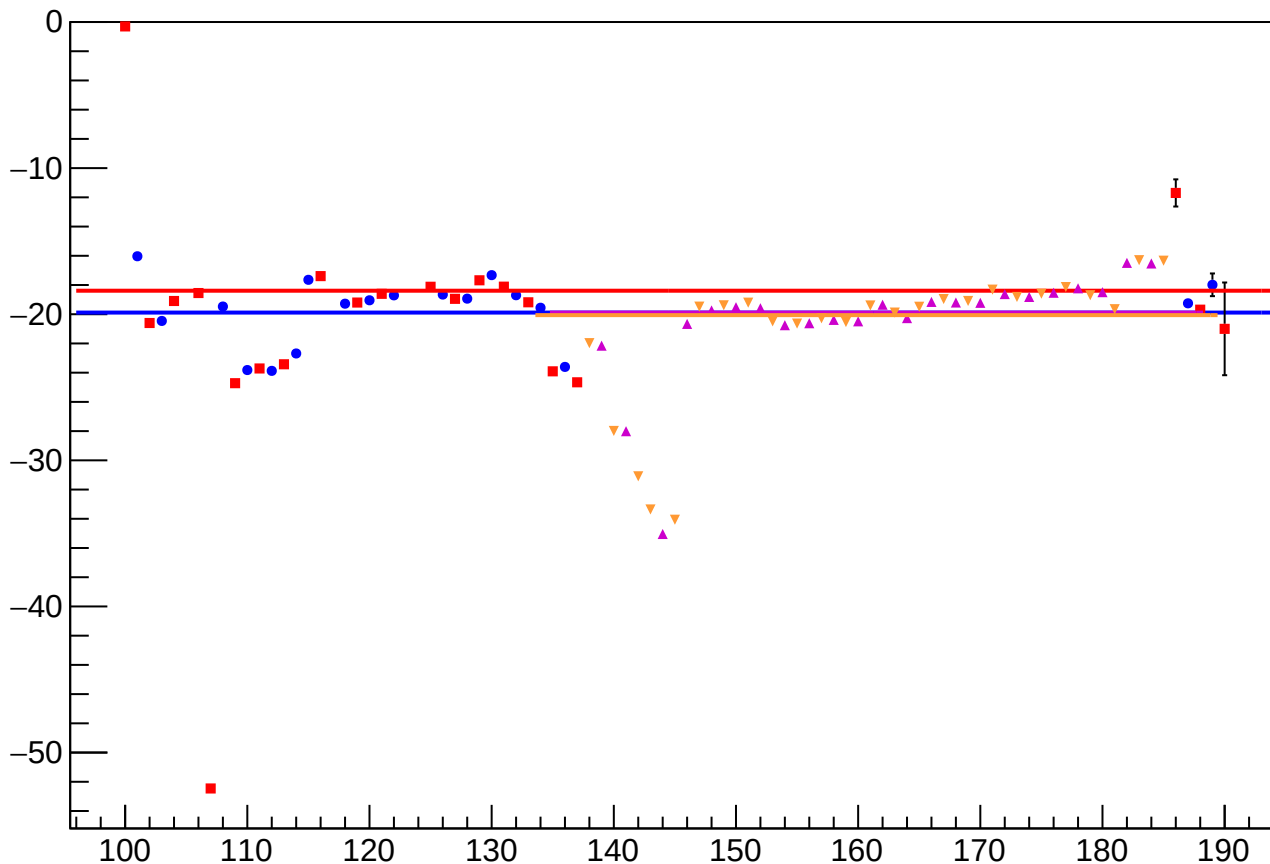
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.403 ± 0.140 χ^2/NDF : 947.7/42

All: 7.223 ± 0.100 χ^2/NDF : 2231.7/86

- sign 7.041 ± 0.141 χ^2/NDF : 1280.7/43

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.886 ± 0.016 χ^2/NDF : 26021.4/17

Left Out: -20.061 ± 0.008 χ^2/NDF : 185580.2/24

Right Out: -18.390 ± 0.015 χ^2/NDF : 301143.8/20

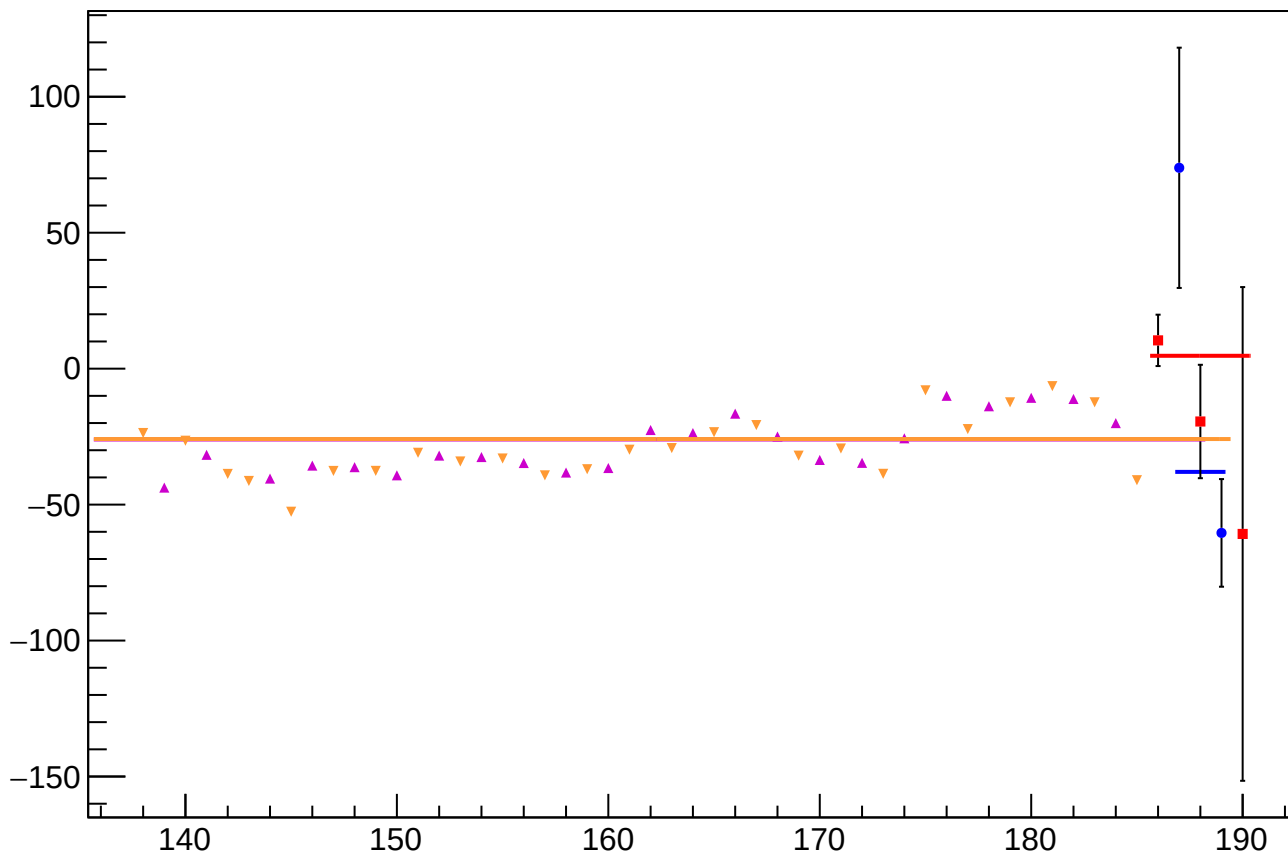
Left In: -19.890 ± 0.008 χ^2/NDF : 144055.2/22

+ sign -20.026 ± 0.007 χ^2/NDF : 211701.7/42

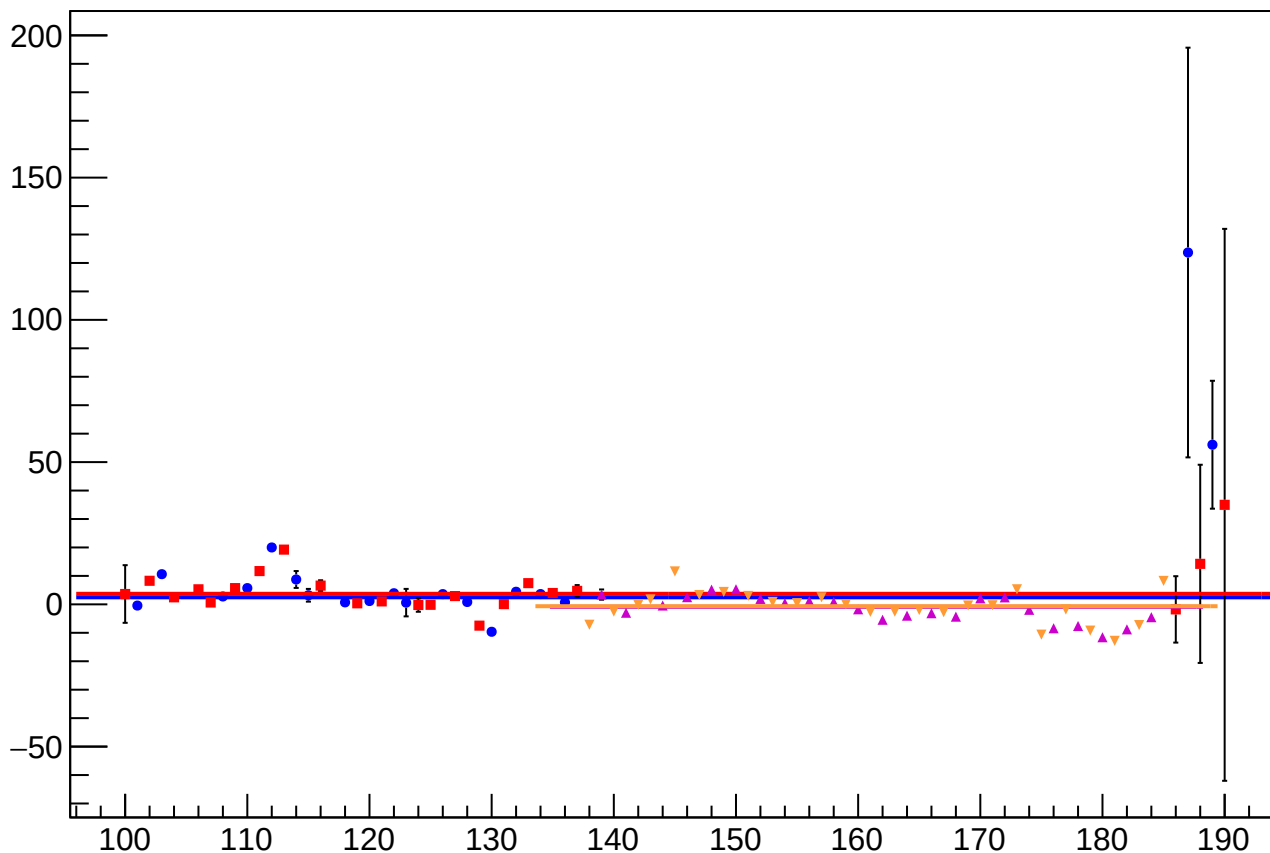
All: -19.788 ± 0.005 χ^2/NDF : 667274.8/86

- sign -19.558 ± 0.007 χ^2/NDF : 453318.5/43

reg_asym_right_avg_diff_bpm1X_slope vs Slug



reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.467 ± 0.315 χ^2/NDF : 302.8/18

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.710 ± 0.327 χ^2/NDF : 269.5/21

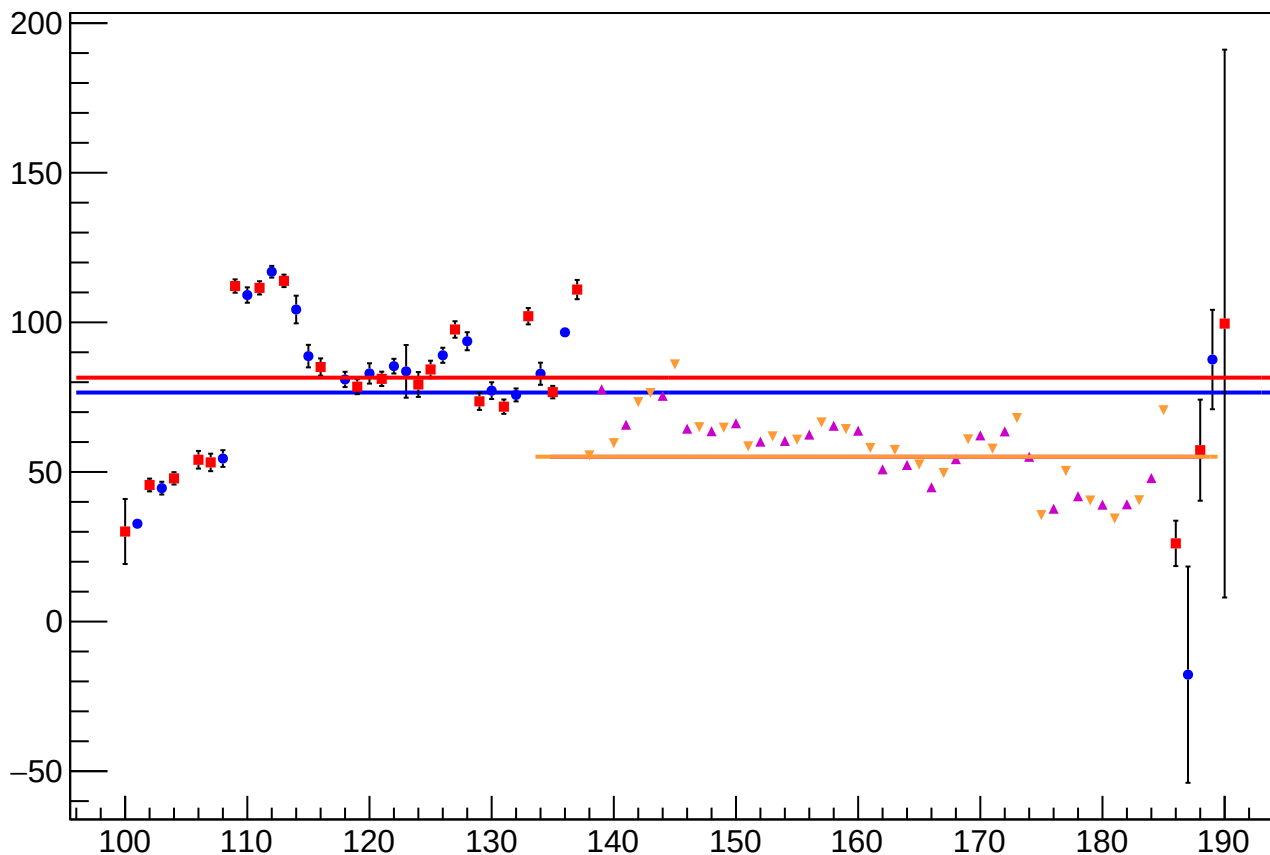
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.100 ± 0.133 χ^2/NDF : 1704.5/43

All: -0.082 ± 0.095 χ^2/NDF : 3202.4/88

- sign -0.063 ± 0.137 χ^2/NDF : 1497.8/44

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.544 $\pm$ 0.576 χ^2 /NDF: 2260.0/18

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.518 $\pm$ 0.591 χ^2 /NDF: 1626.6/21

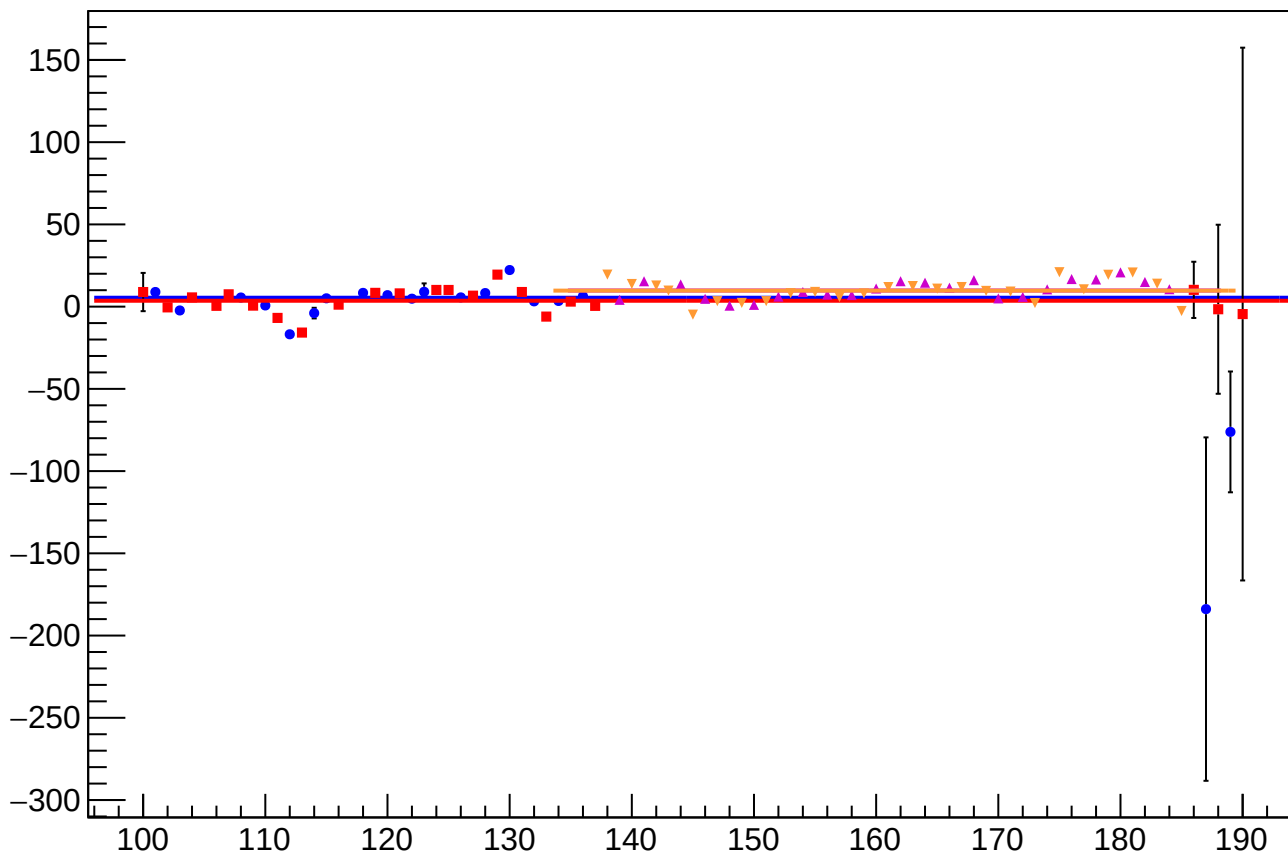
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.229 $\pm$ 0.182 χ^2 /NDF: 8085.7/43

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15228.1/88

- sign 57.632 $\pm$ 0.184 χ^2 /NDF: 7139.9/44

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.418 ± 0.361 χ^2/NDF : 393.9/18

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.585 ± 0.375 χ^2/NDF : 421.8/21

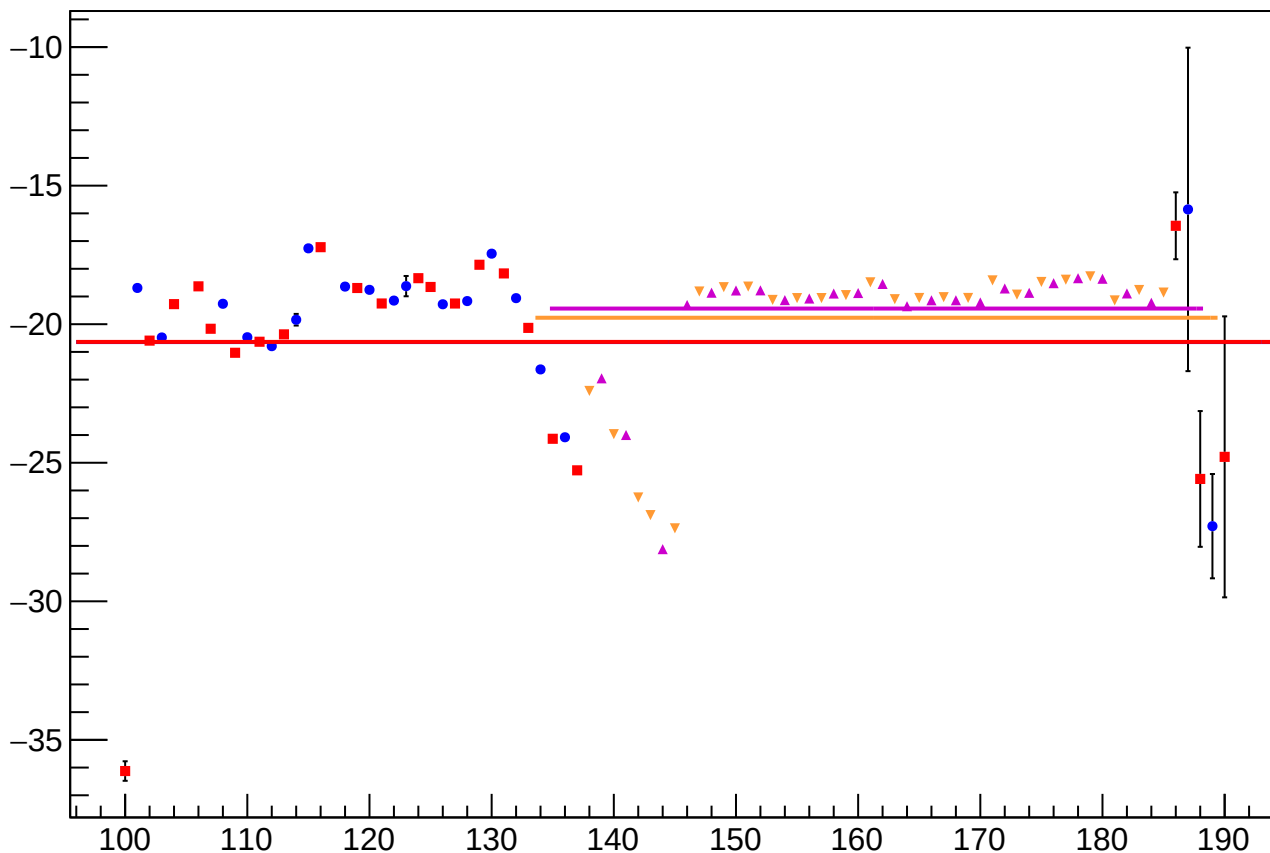
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.969 ± 0.152 χ^2/NDF : 1961.9/43

All: 8.852 ± 0.109 χ^2/NDF : 3770.5/88

- sign 8.728 ± 0.156 χ^2/NDF : 1807.4/44

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.645 $\pm$ 0.019 χ^2 /NDF: 12437.3/18

Left Out: -19.767 $\pm$ 0.008 χ^2 /NDF: 91617.3/24

Right Out: -20.639 $\pm$ 0.019 χ^2 /NDF: 13802.7/21

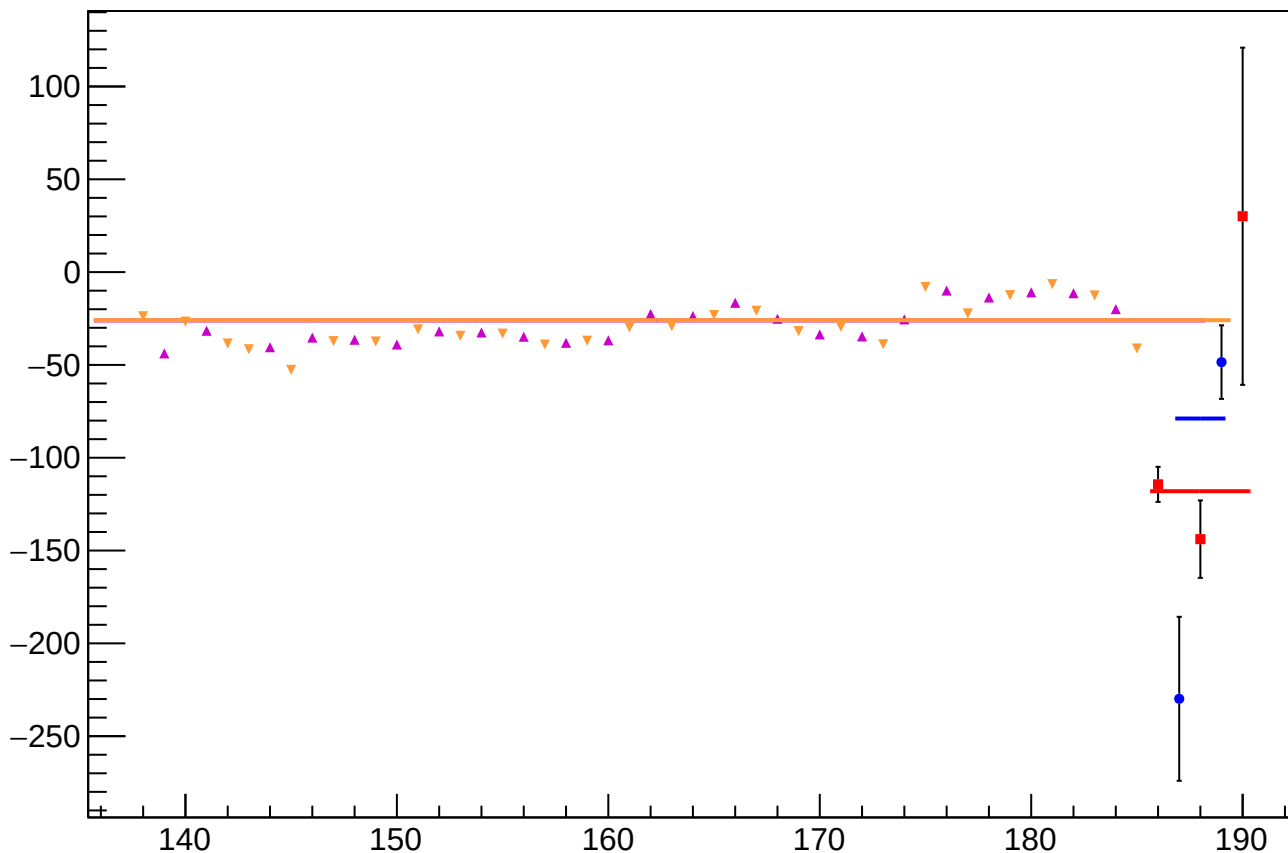
Left In: -19.435 $\pm$ 0.008 χ^2 /NDF: 53170.9/22

+ sign -19.892 $\pm$ 0.007 χ^2 /NDF: 105818.5/43

All: -19.751 $\pm$ 0.005 χ^2 /NDF: 176821.3/88

- sign -19.607 $\pm$ 0.007 χ^2 /NDF: 70250.2/44

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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: -118.038 ± 8.573 $\chi^2/\text{NDF}: 4.3/2$

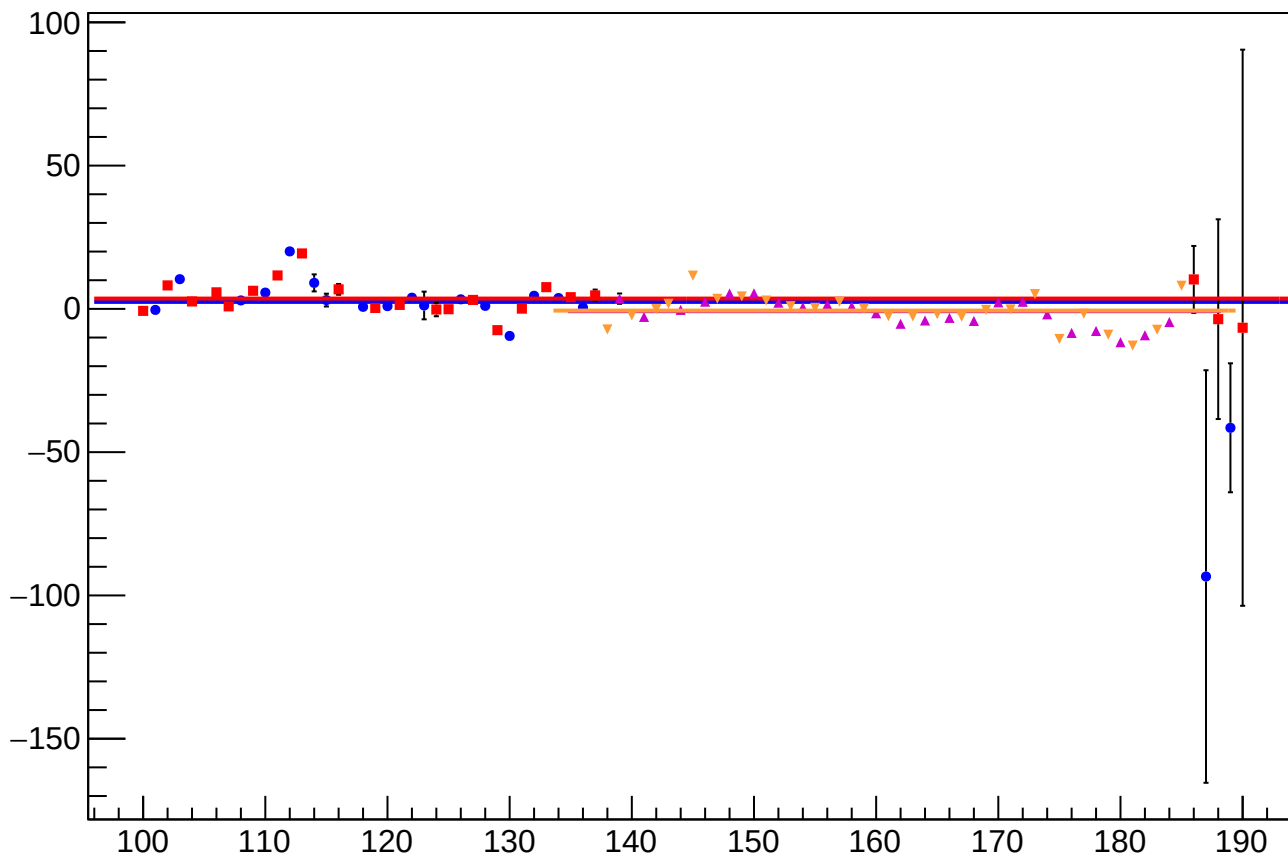
Left In: -26.046 ± 0.195 $\chi^2/\text{NDF}: 3246.7/22$

+ sign -25.905 ± 0.192 $\chi^2/\text{NDF}: 4150.2/26$

All: -25.998 ± 0.137 $\chi^2/\text{NDF}: 7516.8/52$

- sign -26.094 ± 0.195 $\chi^2/\text{NDF}: 3366.2/25$

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.445 ± 0.315 χ^2/NDF : 297.9/18

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.596 ± 0.318 χ^2/NDF : 280.4/21

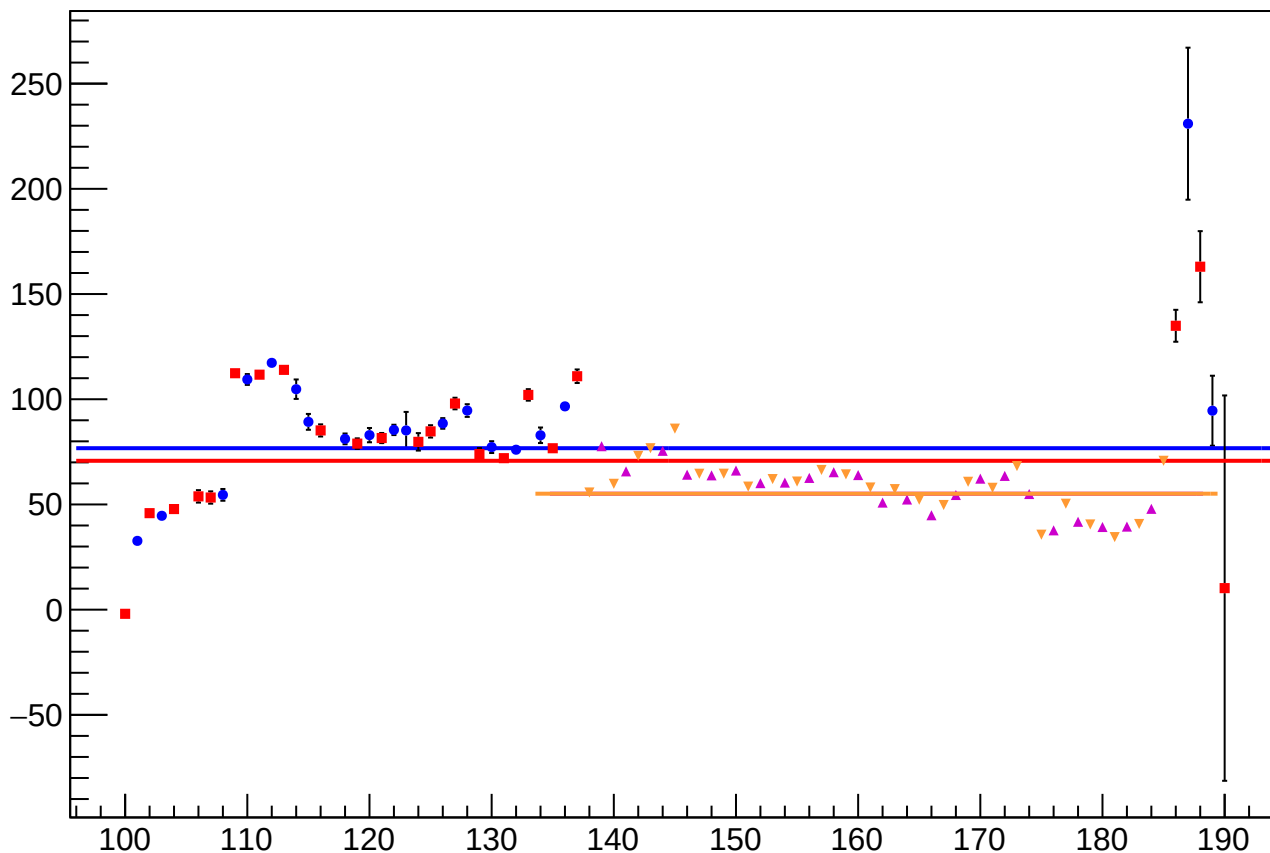
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.056 ± 0.133 χ^2/NDF : 1685.3/43

All: -0.024 ± 0.095 χ^2/NDF : 3227.9/88

- sign 0.009 ± 0.136 χ^2/NDF : 1542.5/44

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.735 $\pm$ 0.577 χ^2 /NDF: 2284.2/18

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.749 $\pm$ 0.549 χ^2 /NDF: 4489.6/21

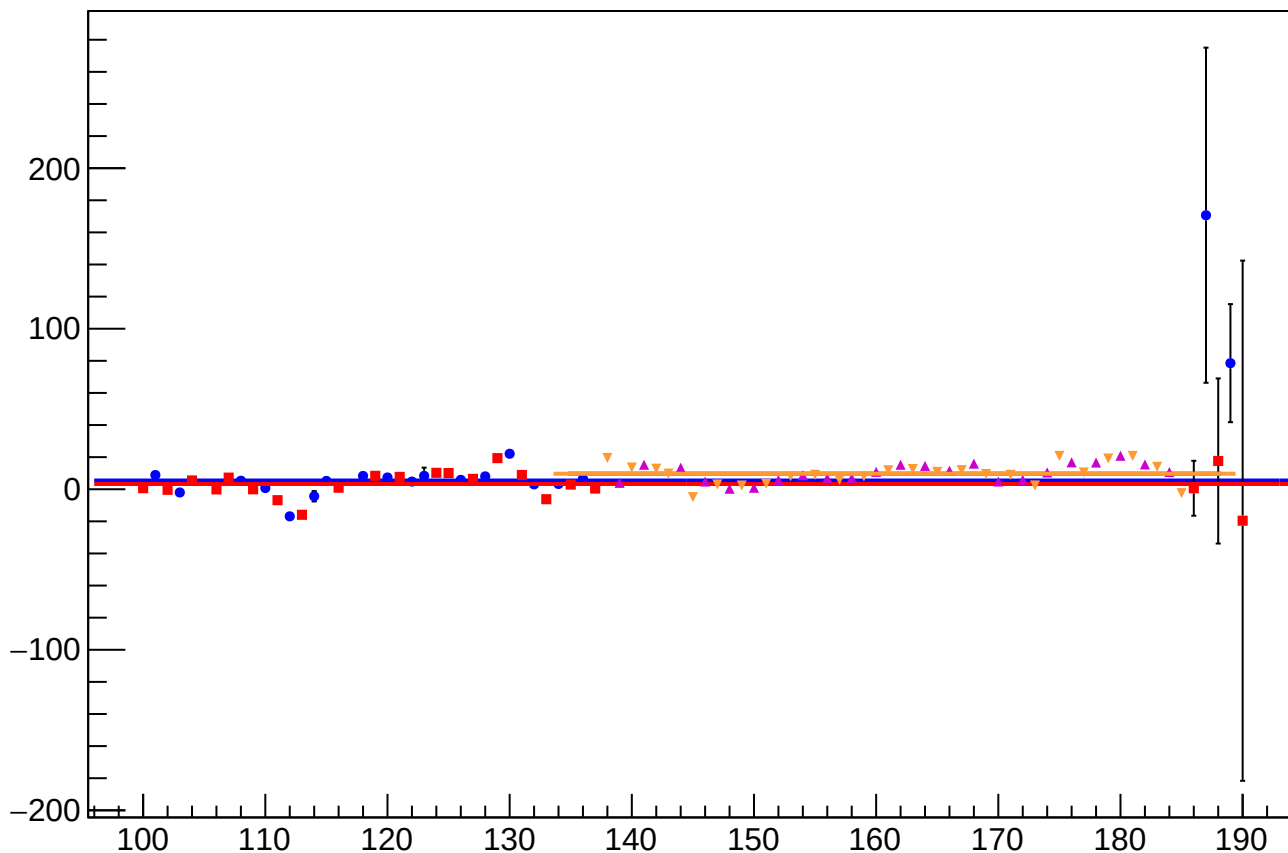
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.260 $\pm$ 0.182 χ^2 /NDF: 8110.2/43

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 16991.0/88

- sign 56.827 $\pm$ 0.183 χ^2 /NDF: 8877.9/44

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.437 ± 0.361 χ^2/NDF : 390.7/18

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.279 ± 0.366 χ^2/NDF : 425.2/21

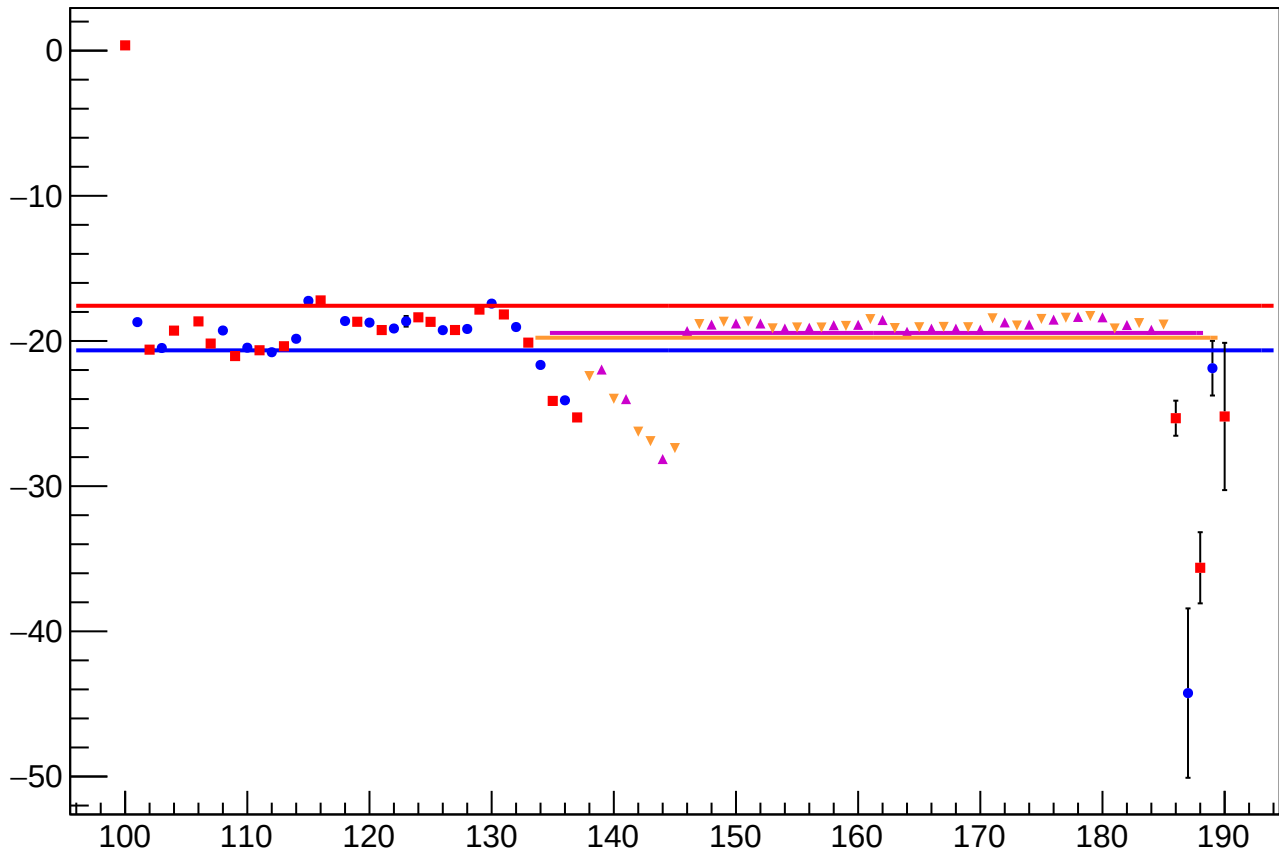
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.922 ± 0.152 χ^2/NDF : 1945.3/43

All: 8.750 ± 0.109 χ^2/NDF : 3820.0/88

- sign 8.569 ± 0.155 χ^2/NDF : 1872.0/44

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.645 ± 0.019 $\chi^2/\text{NDF}: 12479.5/18$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178415.7/21$

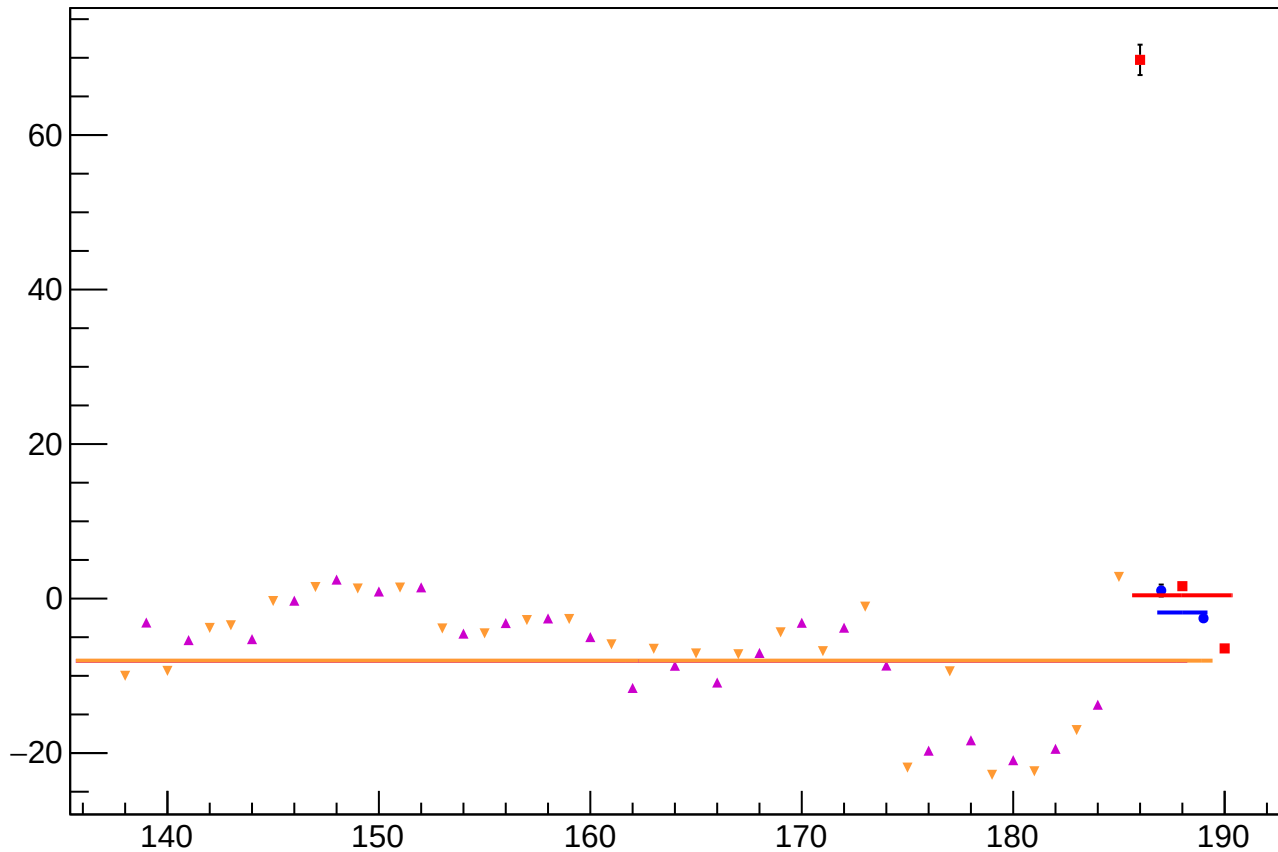
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ sign -19.899 ± 0.007 $\chi^2/\text{NDF}: 105723.5/43$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351672.5/88$

- sign -19.140 ± 0.007 $\chi^2/\text{NDF}: 240538.8/44$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



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: 0.424 ± 0.164 $\chi^2/\text{NDF}: 1641.9/2$

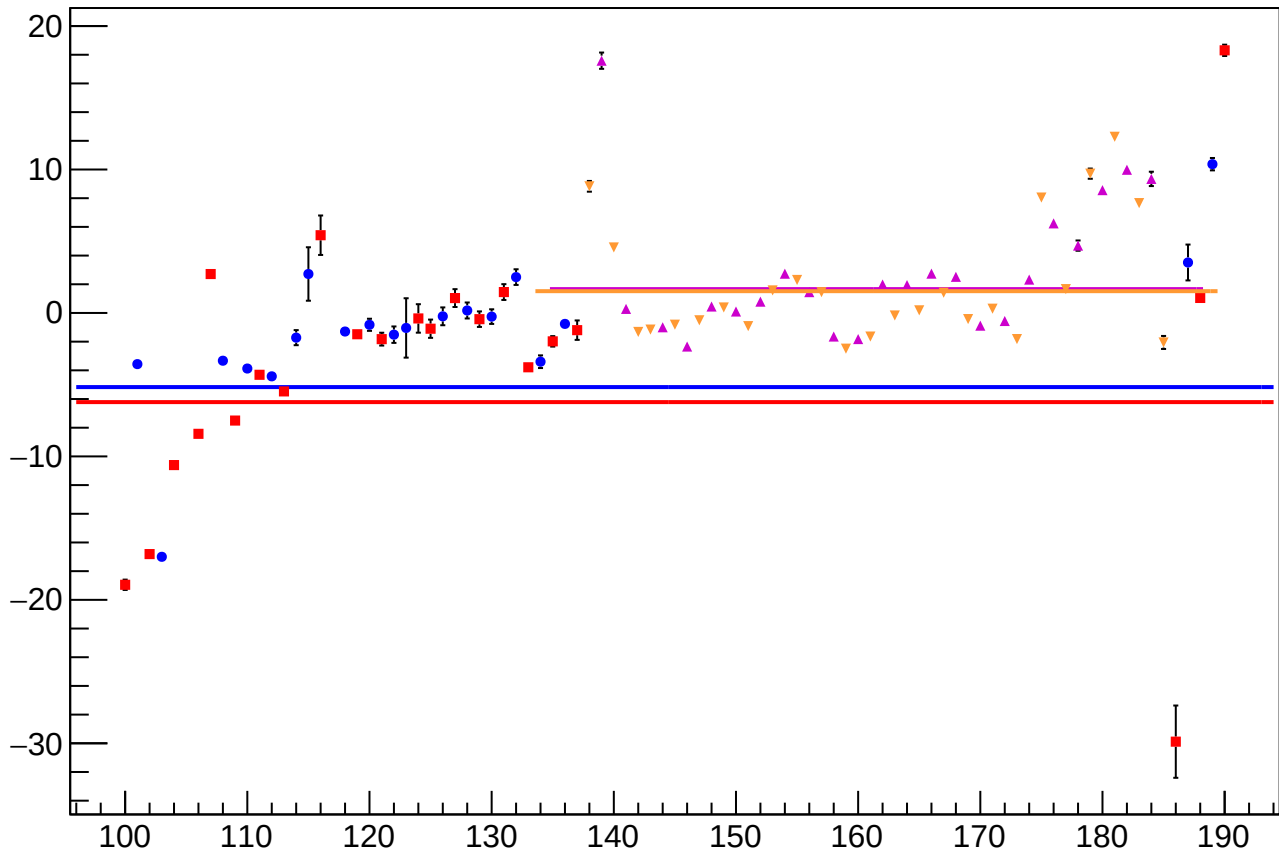
Left In: -8.078 ± 0.072 $\chi^2/\text{NDF}: 10541.6/22$

+ sign -7.796 ± 0.069 $\chi^2/\text{NDF}: 12885.6/26$

All: -7.230 ± 0.048 $\chi^2/\text{NDF}: 27441.2/52$

- sign -6.713 ± 0.066 $\chi^2/\text{NDF}: 14426.7/25$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.168 ± 0.054 $\chi^2/\text{NDF}: 10593.0/18$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -6.215 ± 0.057 $\chi^2/\text{NDF}: 17128.1/21$

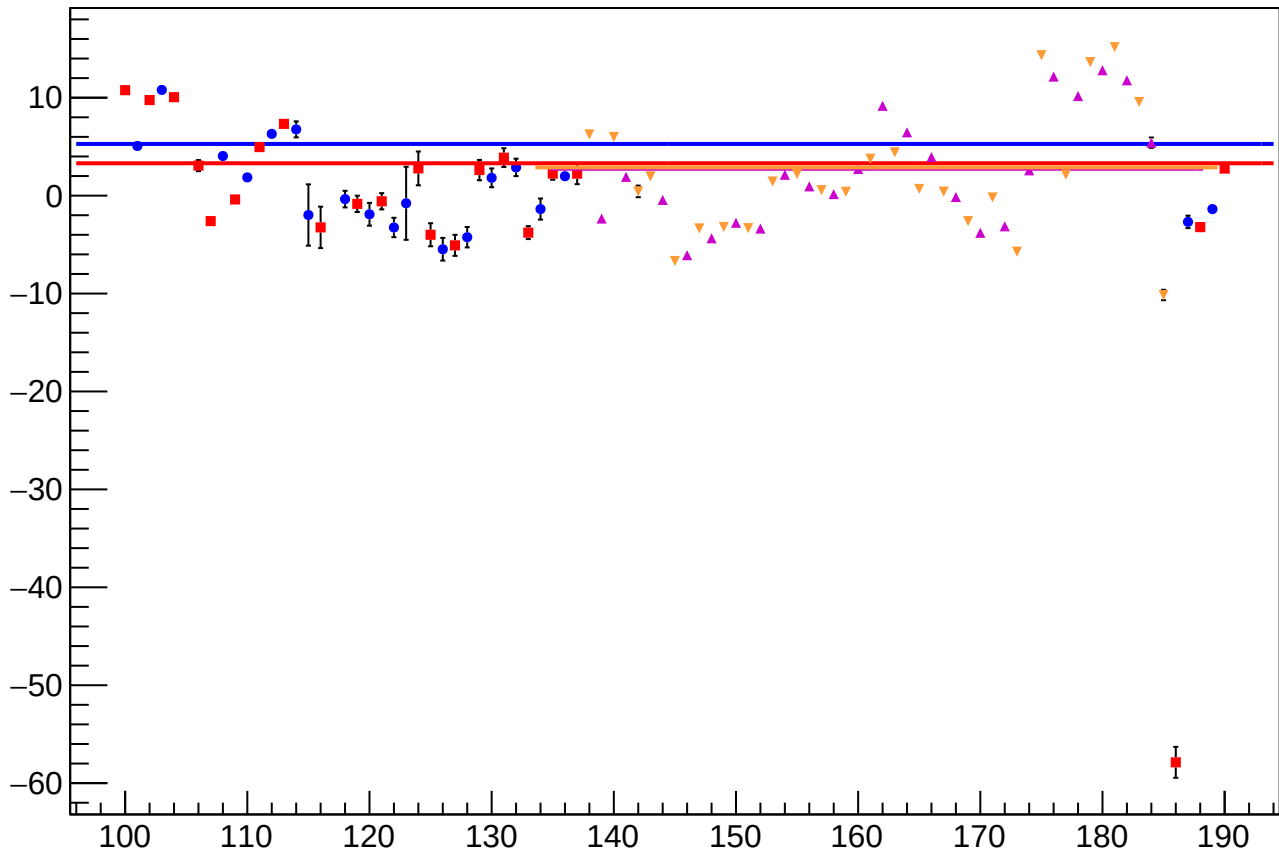
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign -1.822 ± 0.038 $\chi^2/\text{NDF}: 22998.7/43$

All: -2.020 ± 0.028 $\chi^2/\text{NDF}: 53809.8/88$

- sign -2.235 ± 0.040 $\chi^2/\text{NDF}: 30755.9/44$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.279 ± 0.086 χ^2/NDF : 1967.1/18

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.306 ± 0.077 χ^2/NDF : 6915.4/21

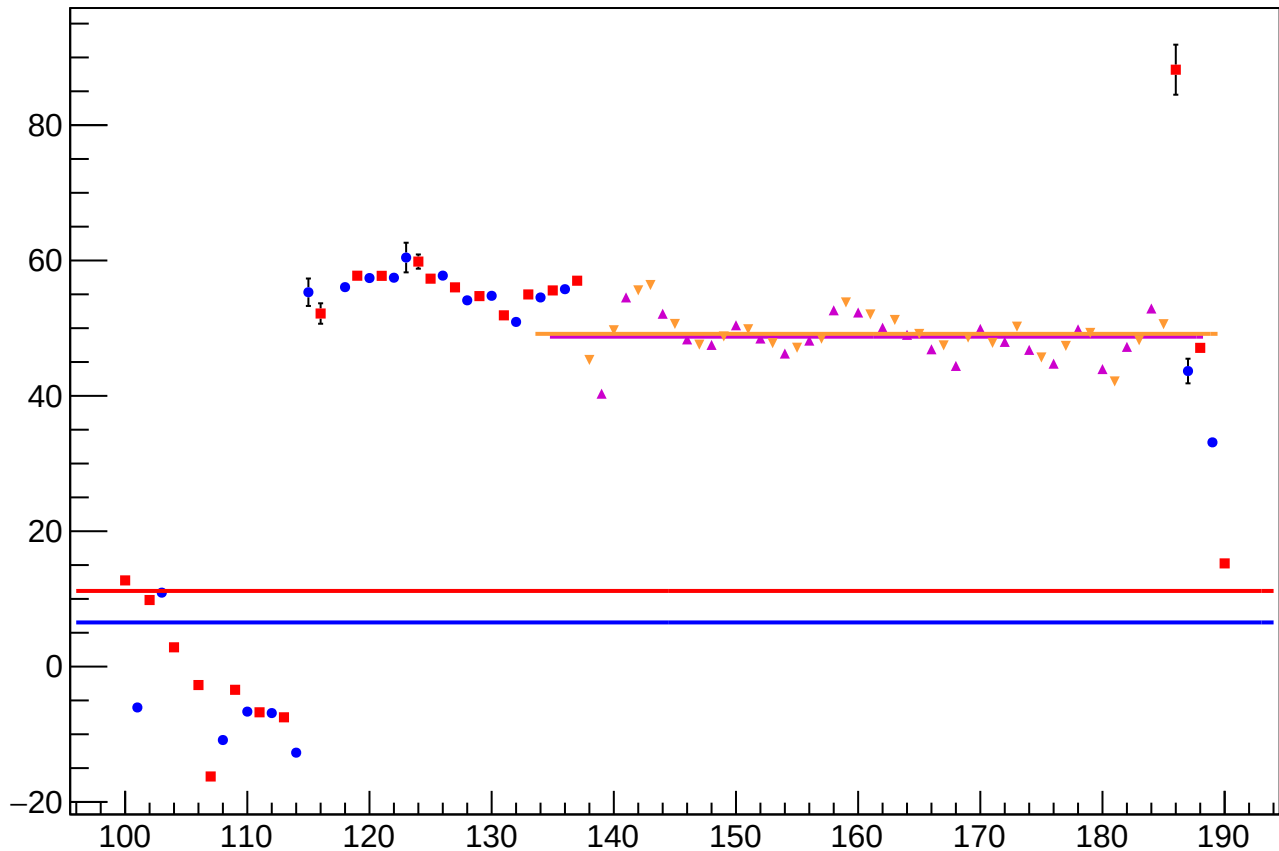
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.839 ± 0.054 χ^2/NDF : 11323.5/43

All: 3.406 ± 0.038 χ^2/NDF : 25572.4/88

- sign 3.003 ± 0.053 χ^2/NDF : 14126.8/44

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.523 ± 0.065 χ^2/NDF : 122678.7/18

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 11.177 ± 0.068 χ^2/NDF : 130337.6/21

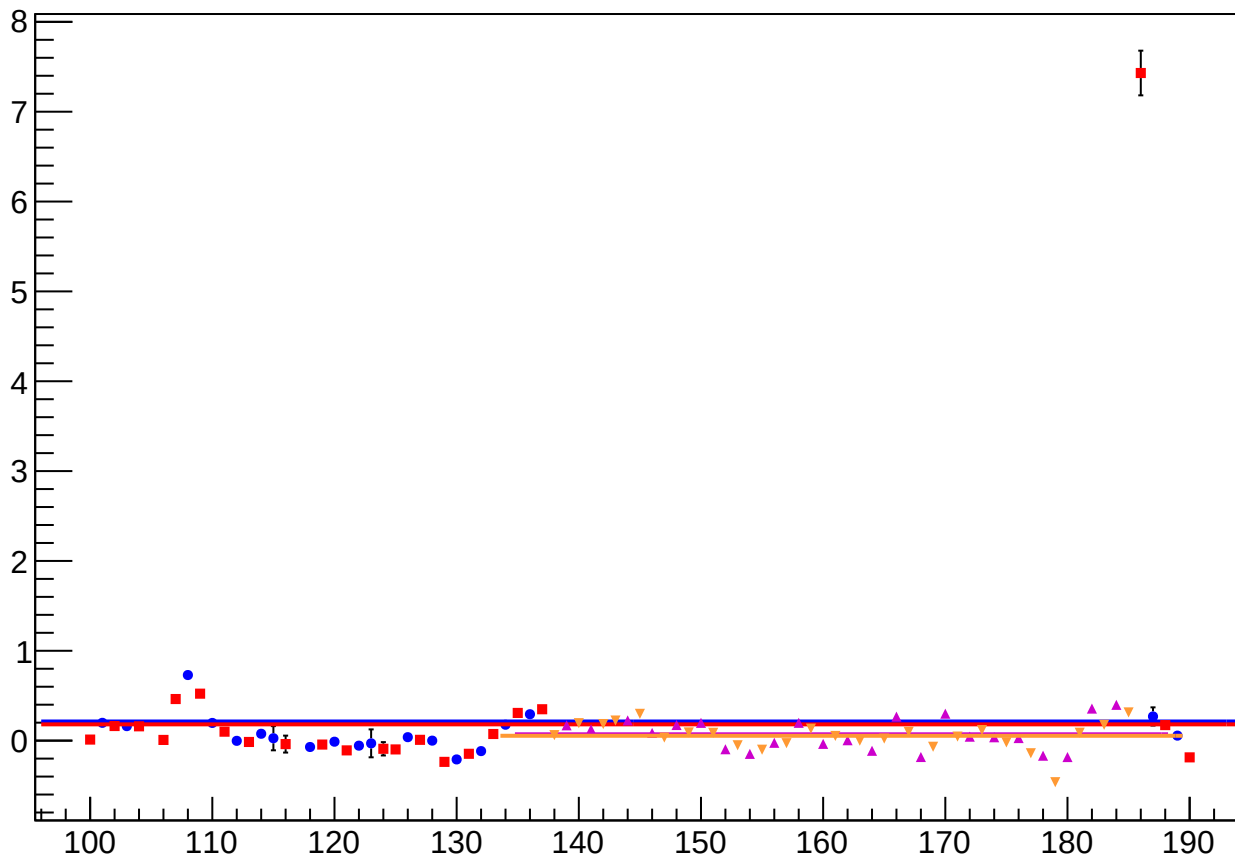
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.777 ± 0.045 χ^2/NDF : 352981.2/43

All: 29.970 ± 0.032 χ^2/NDF : 648315.5/88

- sign 31.274 ± 0.047 χ^2/NDF : 293836.6/44

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.213 ± 0.003 χ^2/NDF : 3972.5/18

Left Out: 0.054 ± 0.003 χ^2/NDF : 2379.8/24

Right Out: 0.181 ± 0.003 χ^2/NDF : 3847.0/21

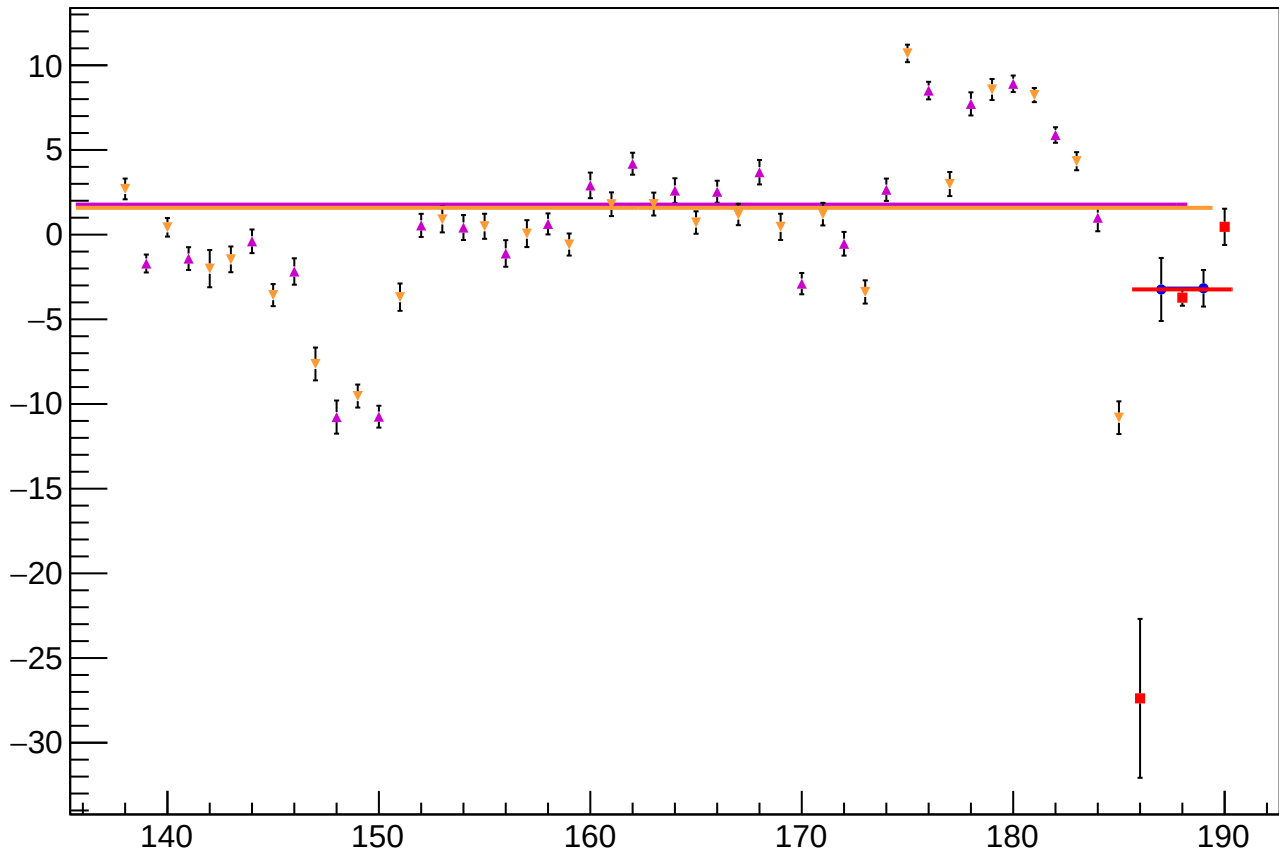
Left In: 0.070 ± 0.003 χ^2/NDF : 3233.8/22

+ sign 0.136 ± 0.002 χ^2/NDF : 7979.5/43

All: 0.133 ± 0.001 χ^2/NDF : 15874.0/88

- sign 0.130 ± 0.002 χ^2/NDF : 7890.8/44

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -3.186 ± 0.934 χ^2/NDF : 0.0/1

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.234 ± 0.434 χ^2/NDF : 39.5/2

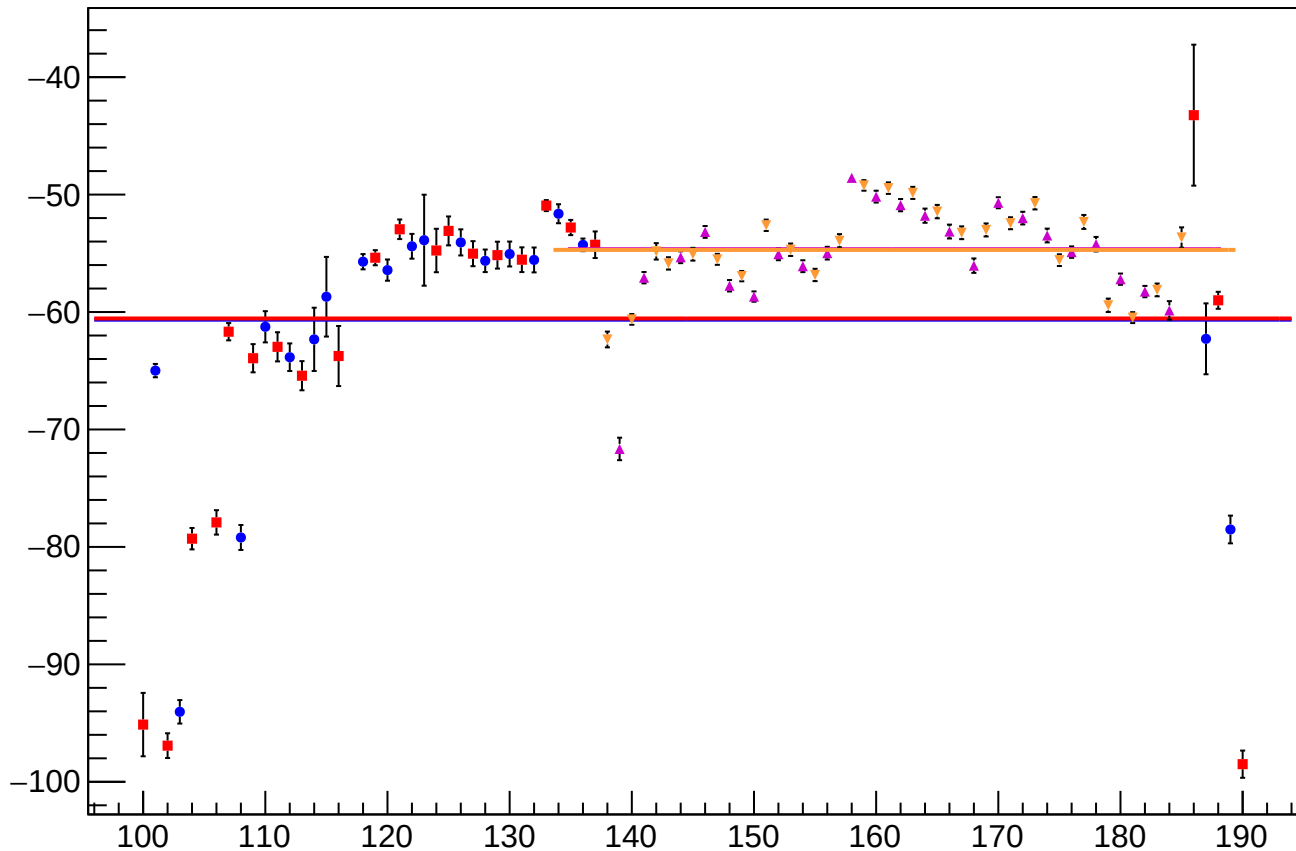
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 1.490 ± 0.131 χ^2/NDF : 1484.4/26

All: 1.409 ± 0.092 χ^2/NDF : 2943.4/52

- sign 1.330 ± 0.129 χ^2/NDF : 1458.3/25

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -60.652 ± 0.221 χ^2/NDF : 2211.1/18

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -60.549 ± 0.200 χ^2/NDF : 4033.0/21

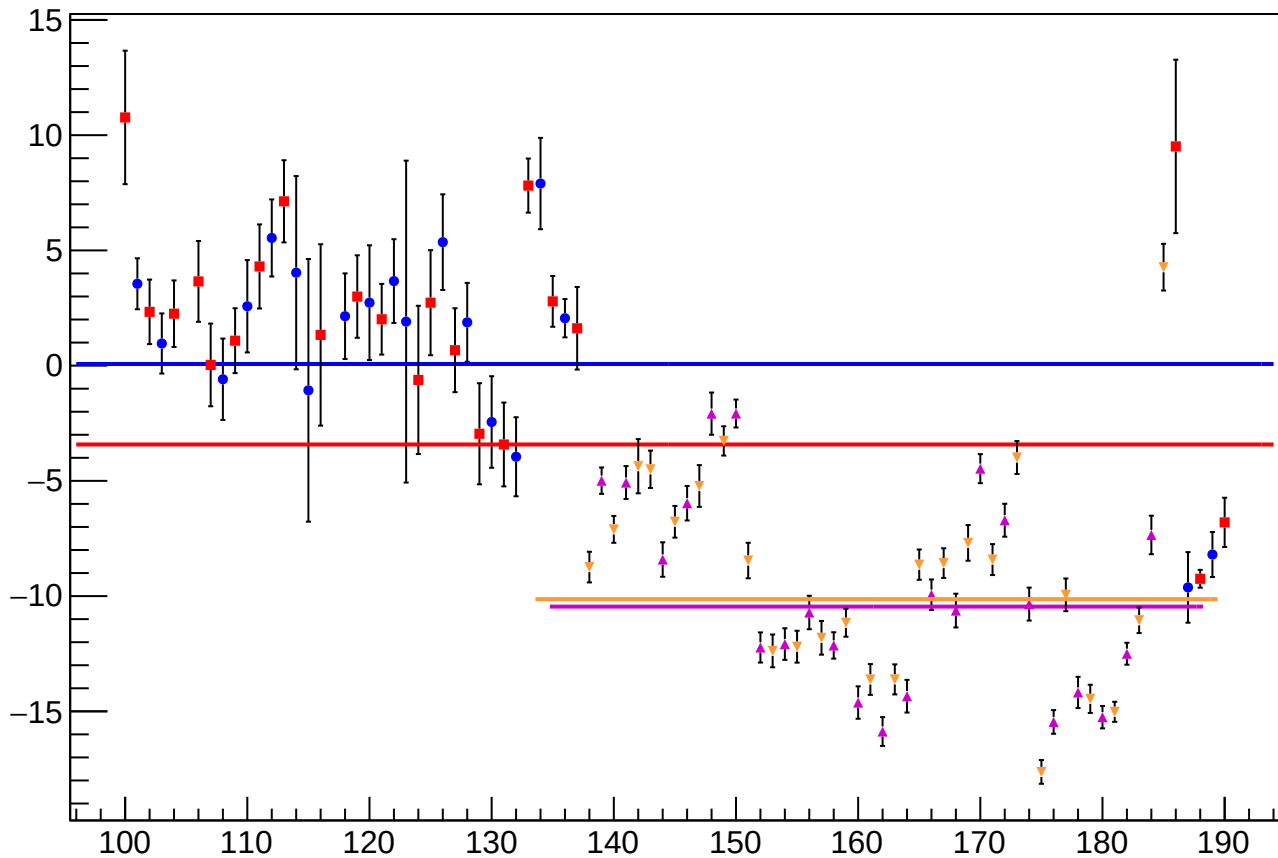
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -55.817 ± 0.095 χ^2/NDF : 3927.7/43

All: -55.913 ± 0.068 χ^2/NDF : 9706.2/88

- sign -56.011 ± 0.096 χ^2/NDF : 5776.5/44

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 0.071 $\pm$ 0.364 χ^2 /NDF: 177.8/18

Left Out: -10.131 $\pm$ 0.133 χ^2 /NDF:1055.4/24

Right Out: -3.421 $\pm$ 0.265 χ^2 /NDF: 558.7/21

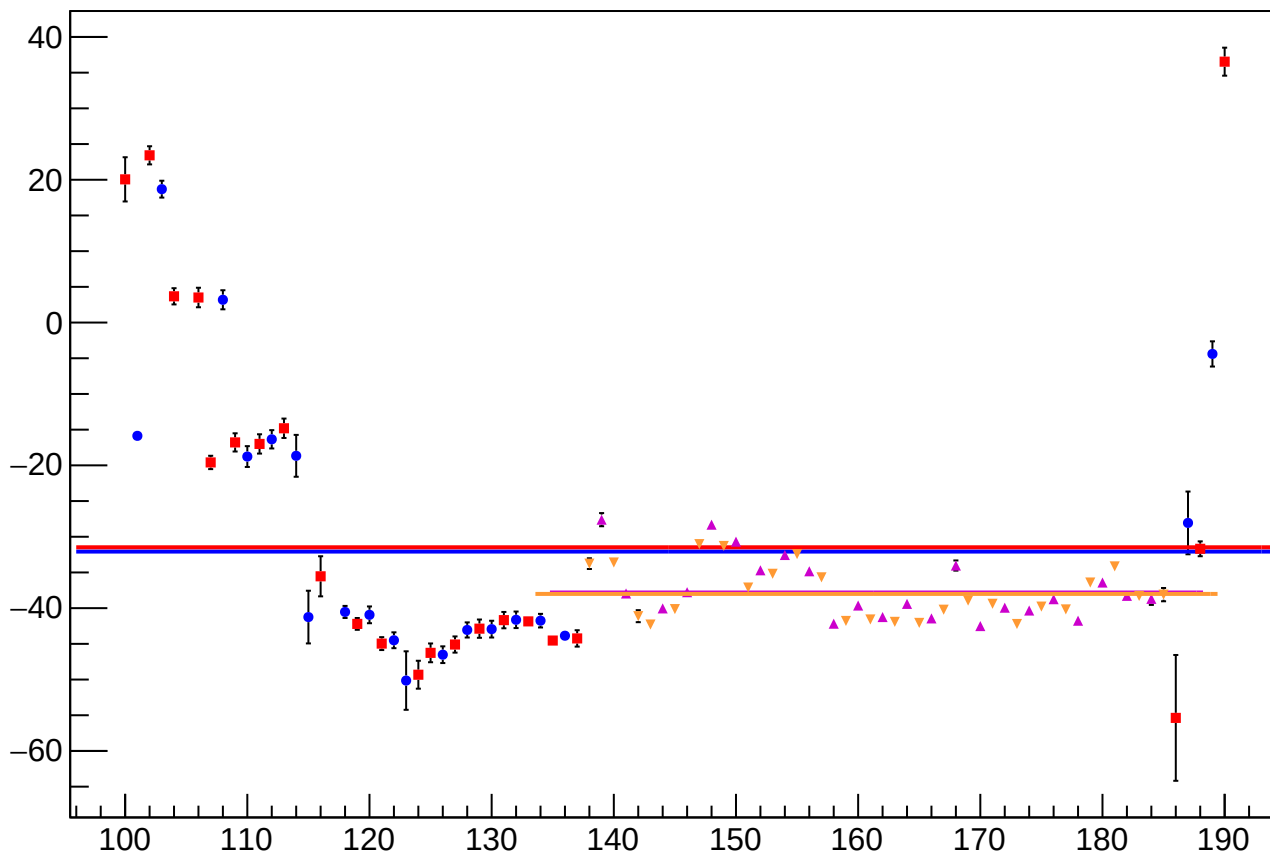
Left In: -10.456 $\pm$ 0.135 χ^2 /NDF:1002.7/22

+ sign -8.934 $\pm$ 0.125 χ^2 /NDF: 1925.8/43

All: -8.975 $\pm$ 0.087 χ^2 /NDF: 4047.5/88

- sign -9.013 $\pm$ 0.120 χ^2 /NDF: 2121.4/44

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.075±0.253 χ^2/NDF : 4894.6/18

Left Out: -38.006±0.119 χ^2/NDF : 946.0/24

Right Out: -31.475±0.236 χ^2/NDF : 7270.6/21

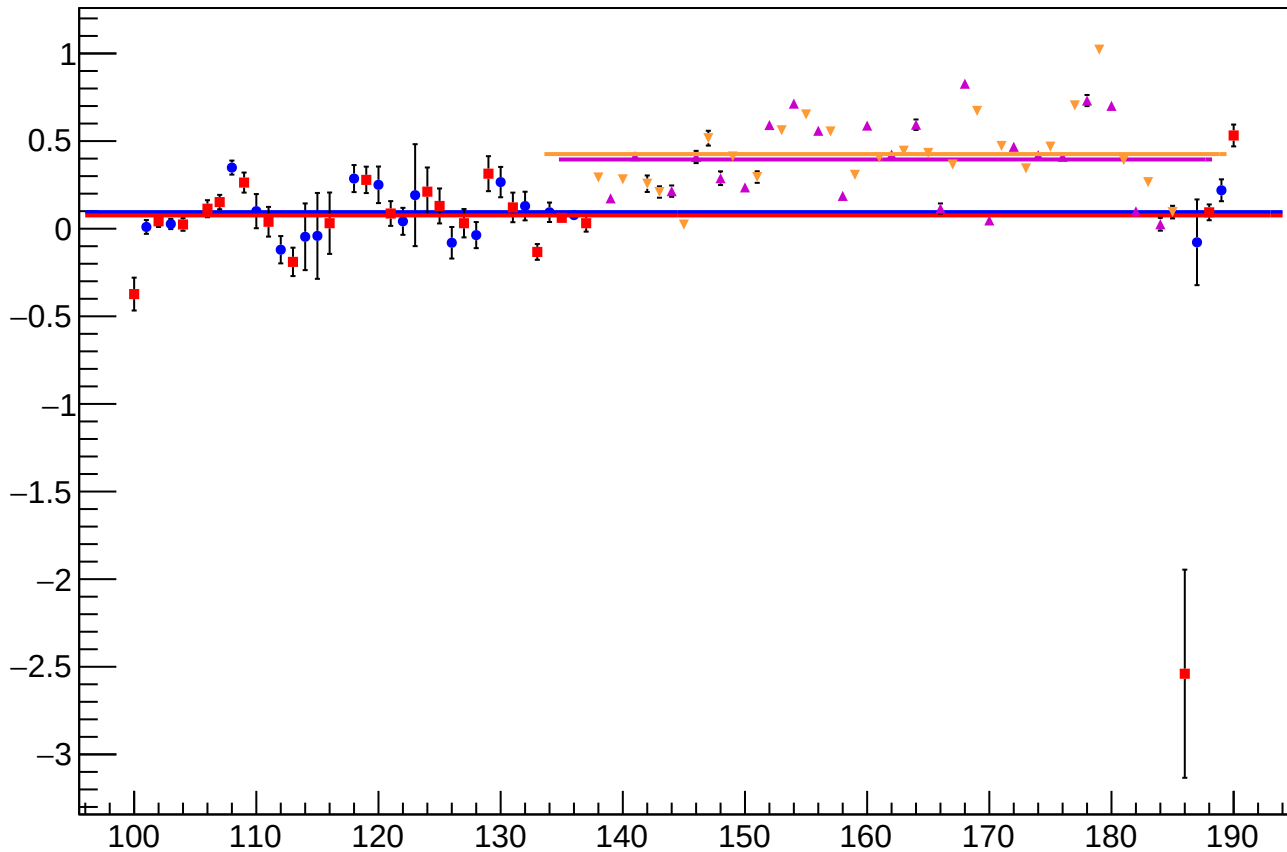
Left In: -37.809±0.122 χ^2/NDF : 1039.9/22

+ sign -36.936±0.107 χ^2/NDF : 6291.0/43

All: -36.704±0.076 χ^2/NDF : 15178.5/88

- sign -36.468±0.109 χ^2/NDF : 8878.2/44

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.095 $\pm$ 0.012 χ^2 /NDF: 83.7/18

Left Out: 0.426 $\pm$ 0.005 χ^2 /NDF:1303.7/24

Right Out: 0.076 $\pm$ 0.012 χ^2 /NDF: 162.3/21

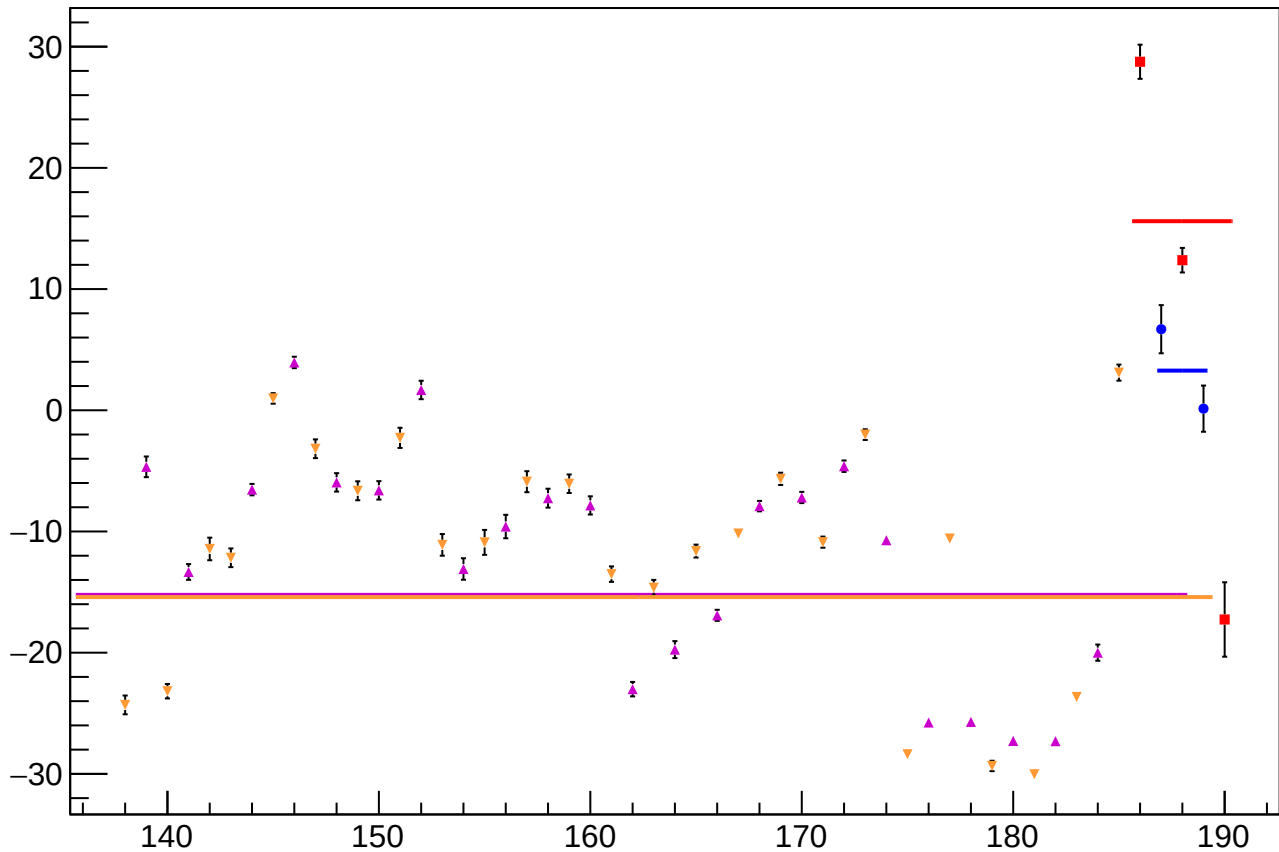
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.374 $\pm$ 0.005 χ^2 /NDF: 1981.8/43

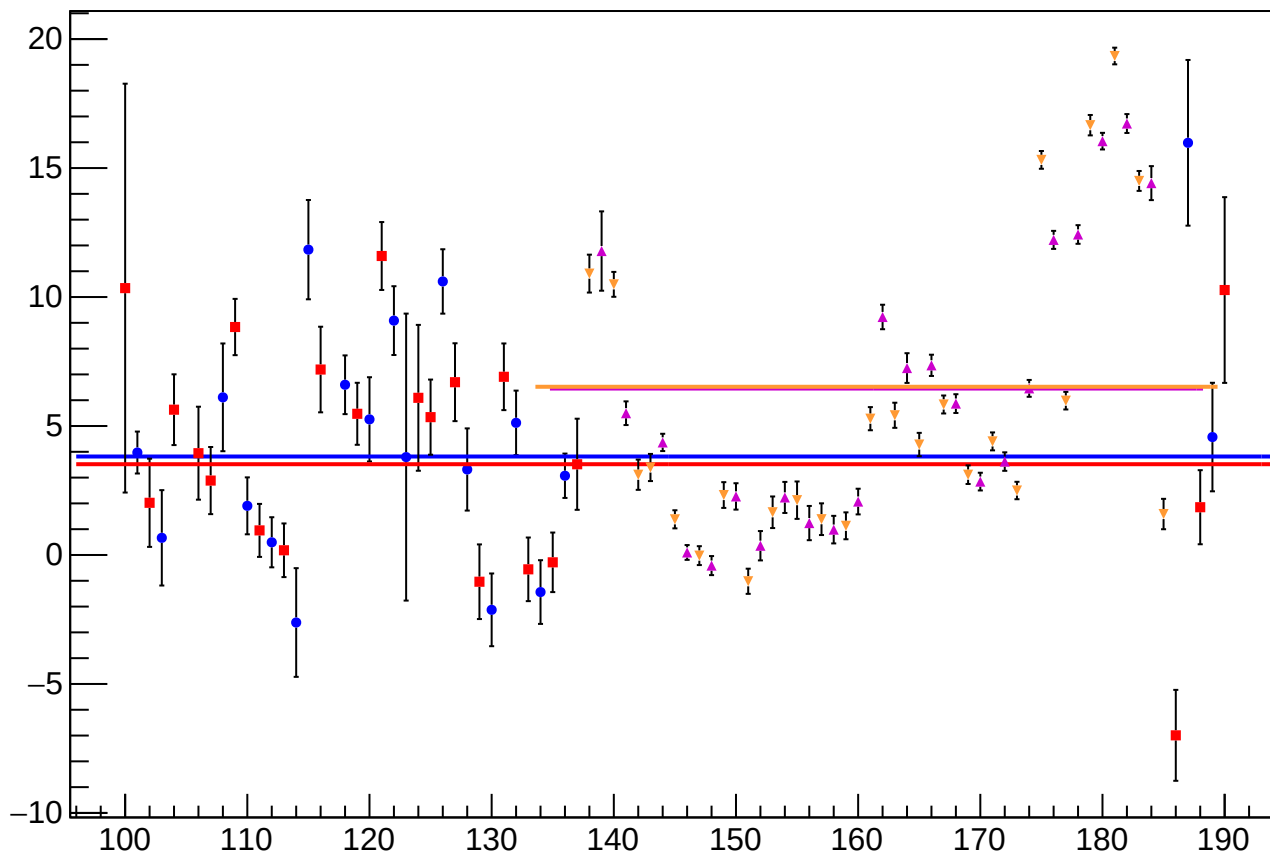
All: 0.356 $\pm$ 0.003 χ^2 /NDF: 4596.2/88

- sign 0.337 $\pm$ 0.005 χ^2 /NDF: 2586.9/44

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.818 ± 0.306 χ^2/NDF : 149.8/18

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.519 ± 0.303 χ^2/NDF : 175.5/21

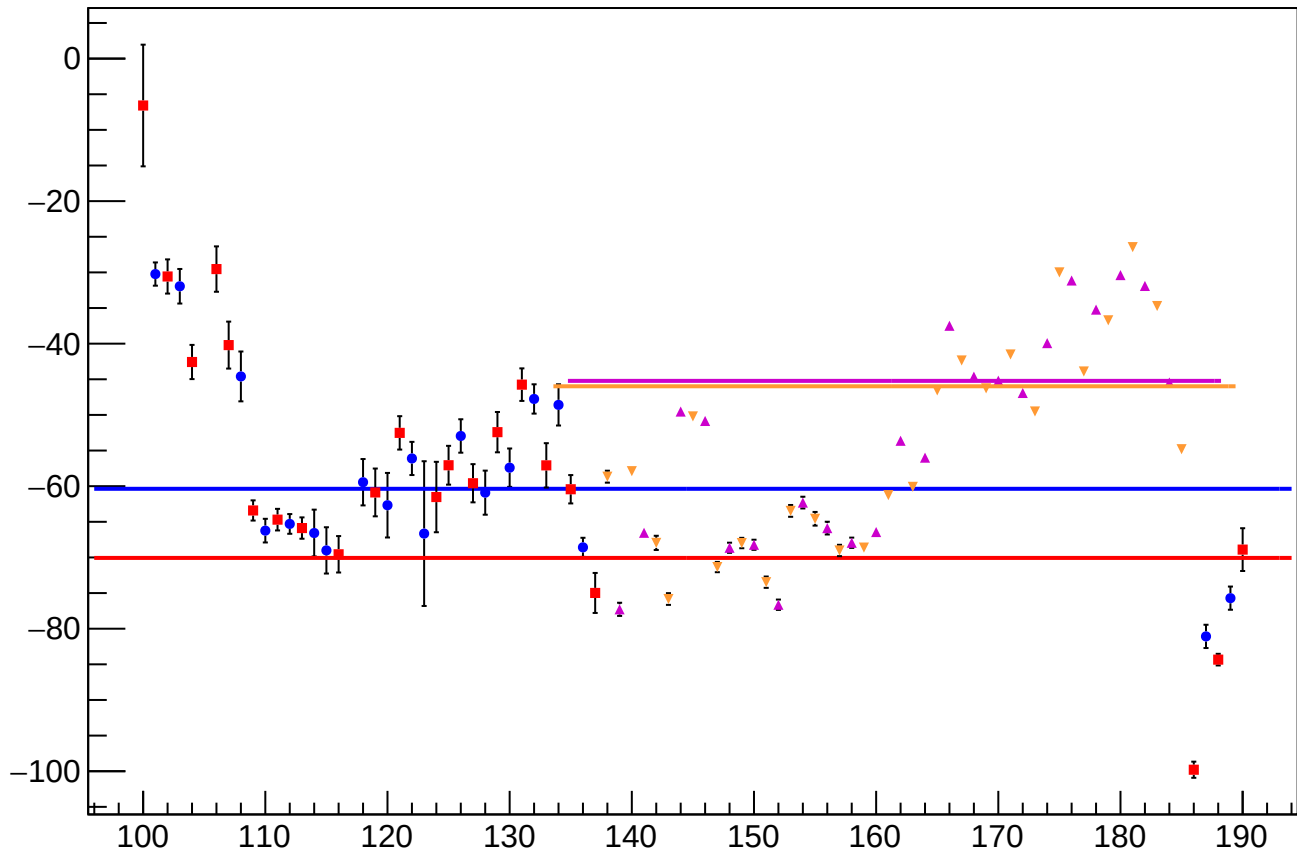
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.326 ± 0.082 χ^2/NDF : 5207.3/43

All: 6.280 ± 0.058 χ^2/NDF : 9417.8/88

- sign 6.233 ± 0.083 χ^2/NDF : 4209.9/44

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -60.368 ± 0.492 χ^2/NDF : 891.7/18

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -70.067 ± 0.413 χ^2/NDF : 2039.6/21

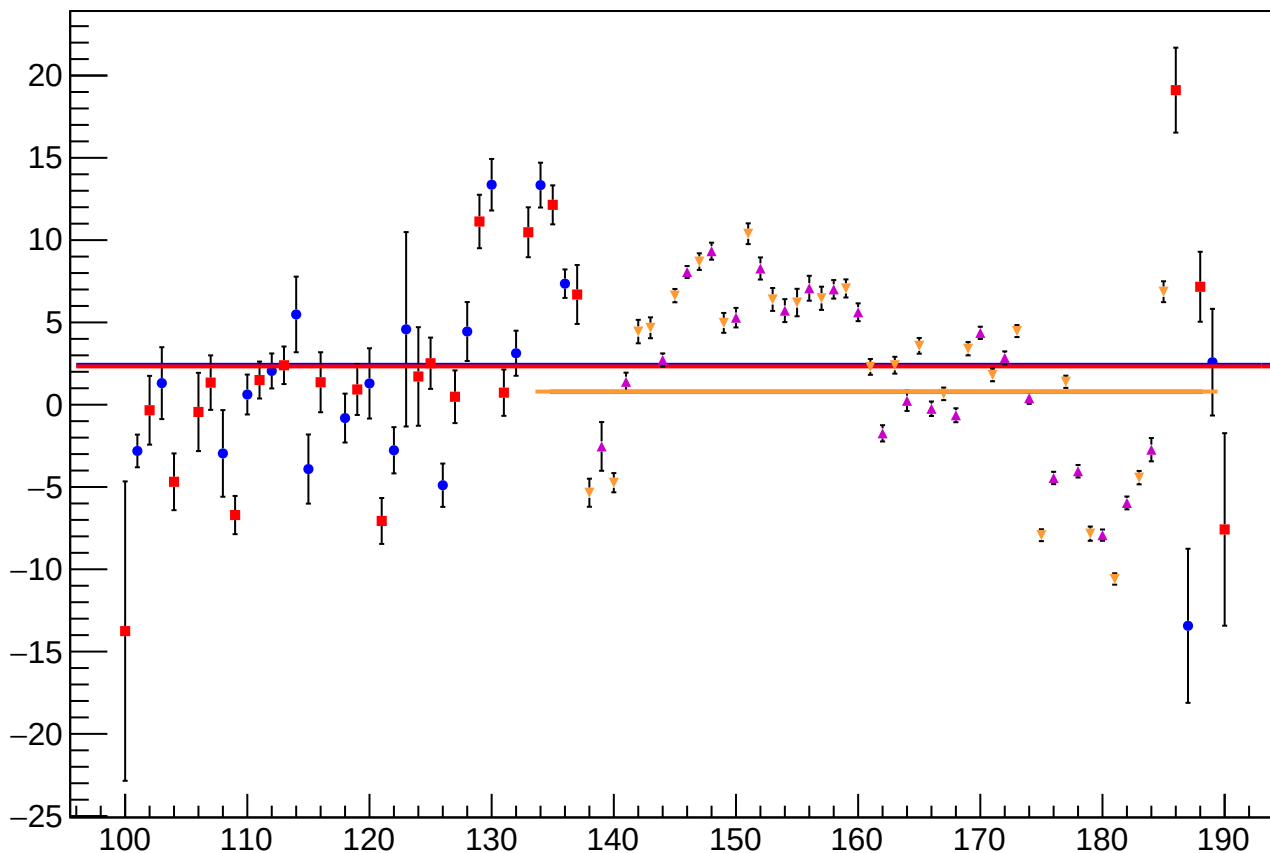
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.623 ± 0.104 χ^2/NDF : 19068.2/43

All: -46.706 ± 0.073 χ^2/NDF : 40097.9/88

- sign -46.789 ± 0.104 χ^2/NDF : 21028.4/44

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.423 $\pm$ 0.345 χ^2 /NDF: 253.8/18

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 2.328 $\pm$ 0.347 χ^2 /NDF: 316.3/21

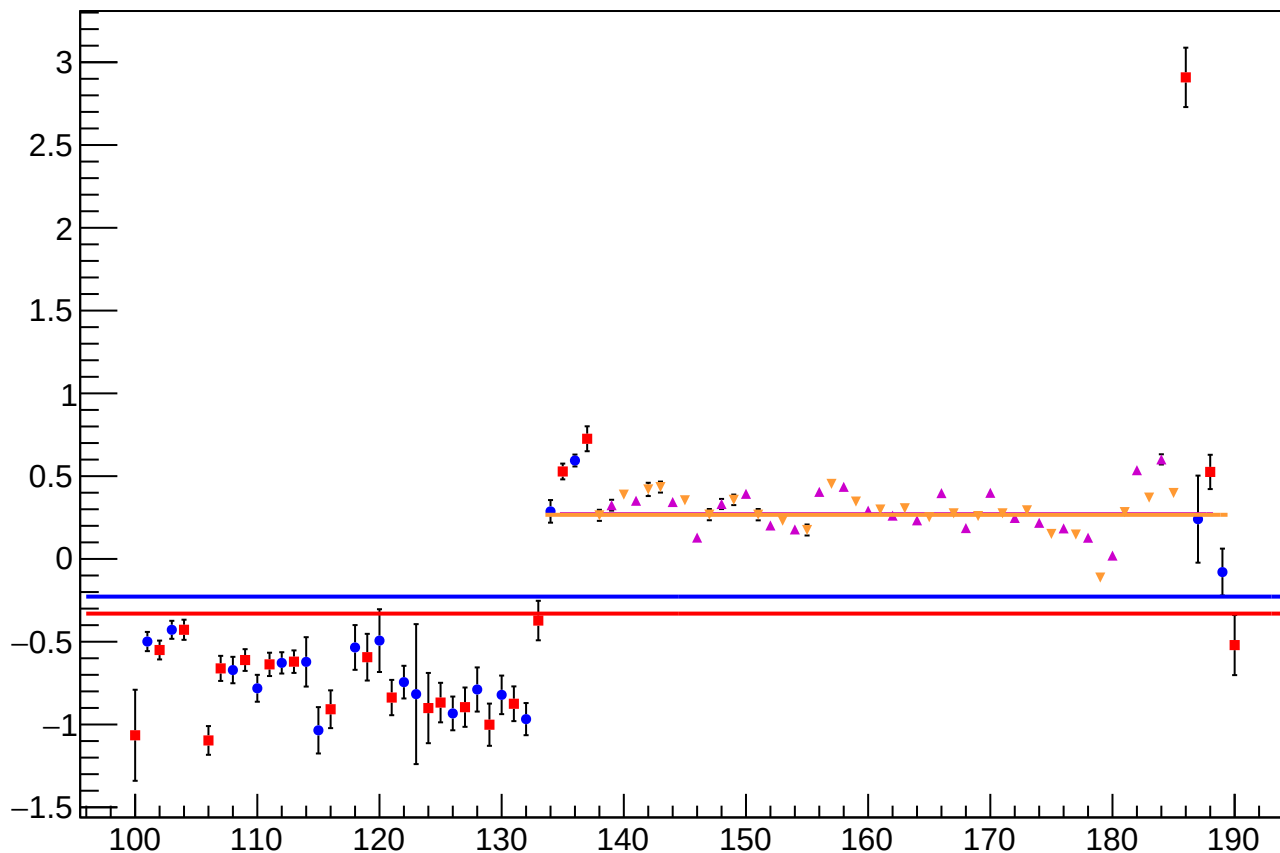
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.913 $\pm$ 0.092 χ^2 /NDF: 4034.4/43

All: 0.908 $\pm$ 0.065 χ^2 /NDF: 7061.4/88

- sign 0.903 $\pm$ 0.093 χ^2 /NDF: 3027.0/44

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.228 ± 0.019 χ^2/NDF : 961.4/18

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.330 ± 0.018 χ^2/NDF : 1250.9/21

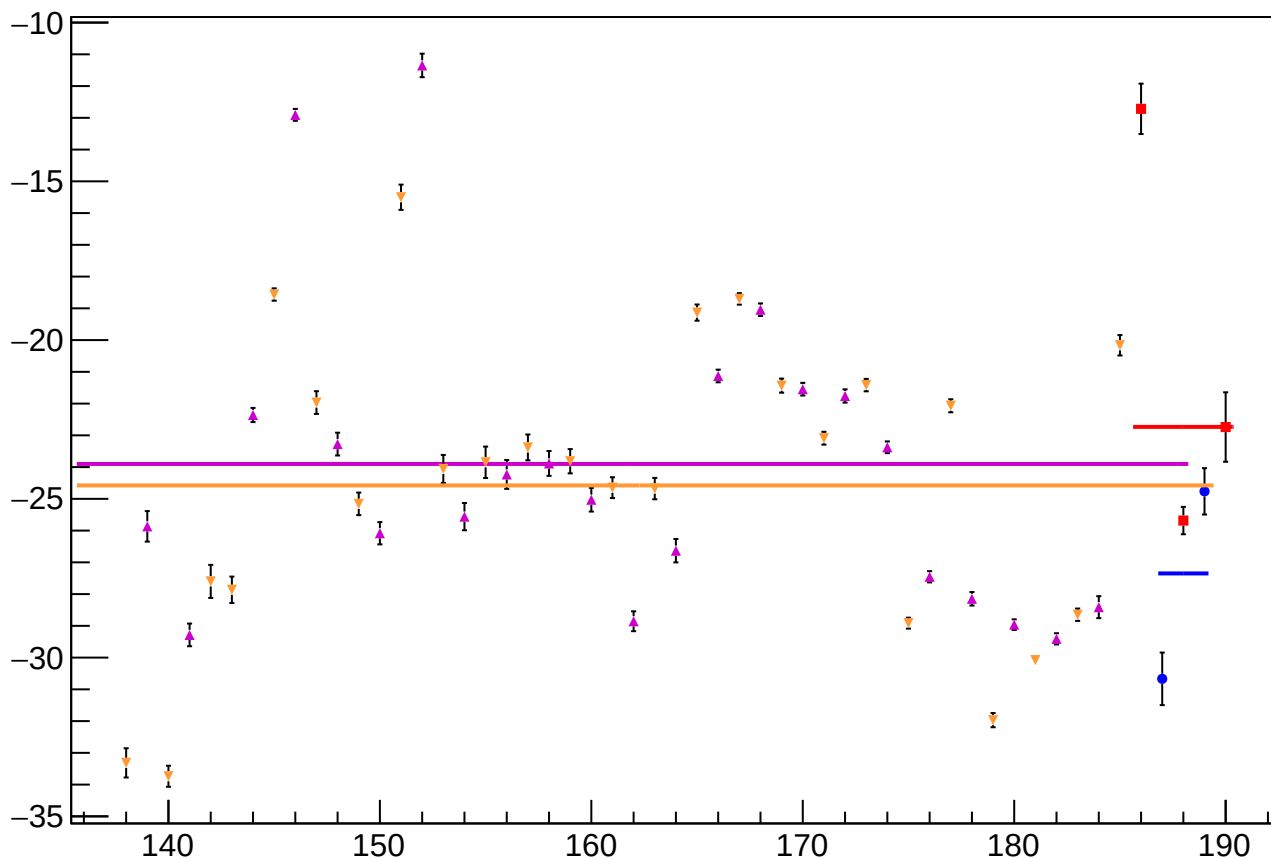
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.241 ± 0.004 χ^2/NDF : 2322.7/43

All: 0.240 ± 0.003 χ^2/NDF : 5541.1/88

- sign 0.238 ± 0.004 χ^2/NDF : 3218.0/44

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -27.349 ± 0.548 χ^2/NDF : 28.6/1

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -22.734 ± 0.358 χ^2/NDF : 206.2/2

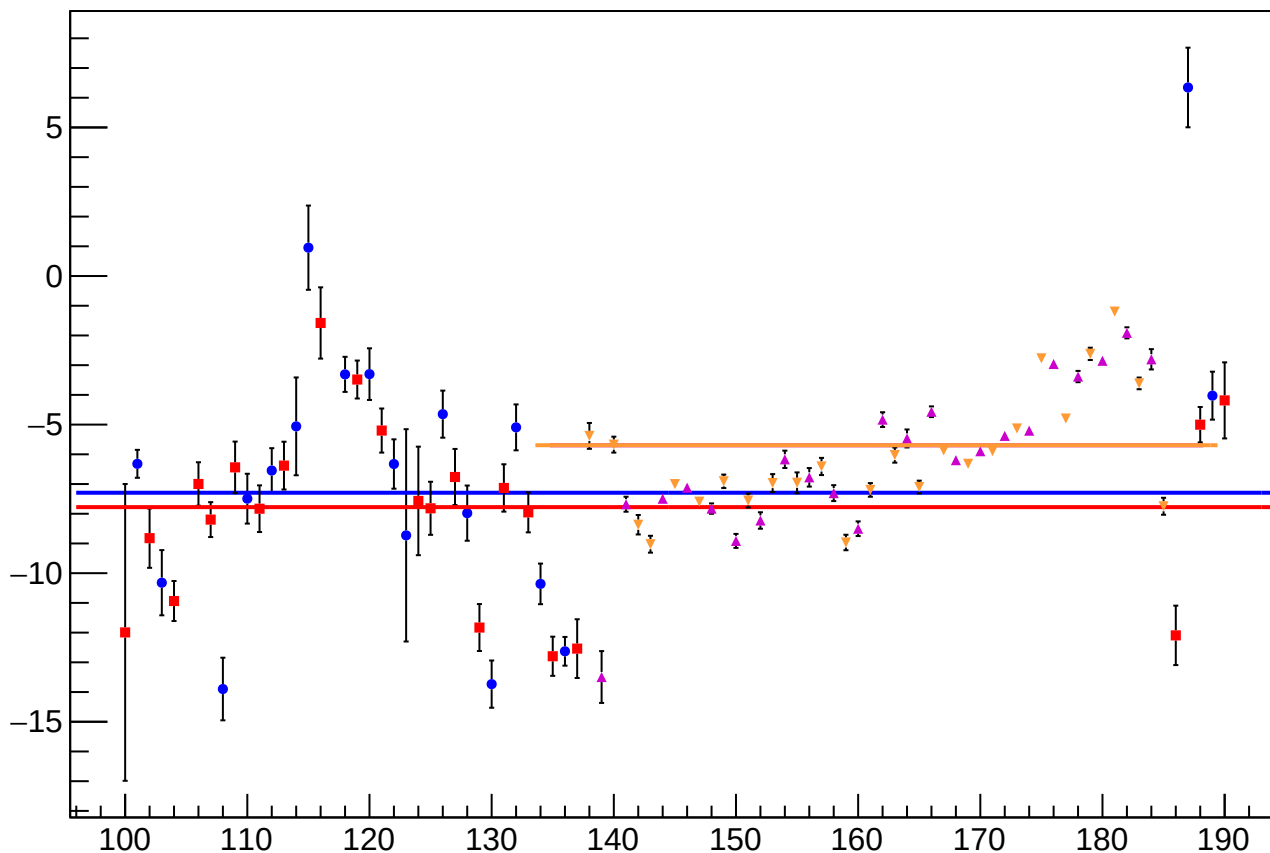
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.601 ± 0.051 χ^2/NDF : 8644.5/26

All: -24.238 ± 0.036 χ^2/NDF : 18117.9/52

- sign -23.878 ± 0.051 χ^2/NDF : 9371.5/25

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.293 ± 0.181 χ^2/NDF : 503.6/18

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.777 ± 0.173 χ^2/NDF : 272.5/21

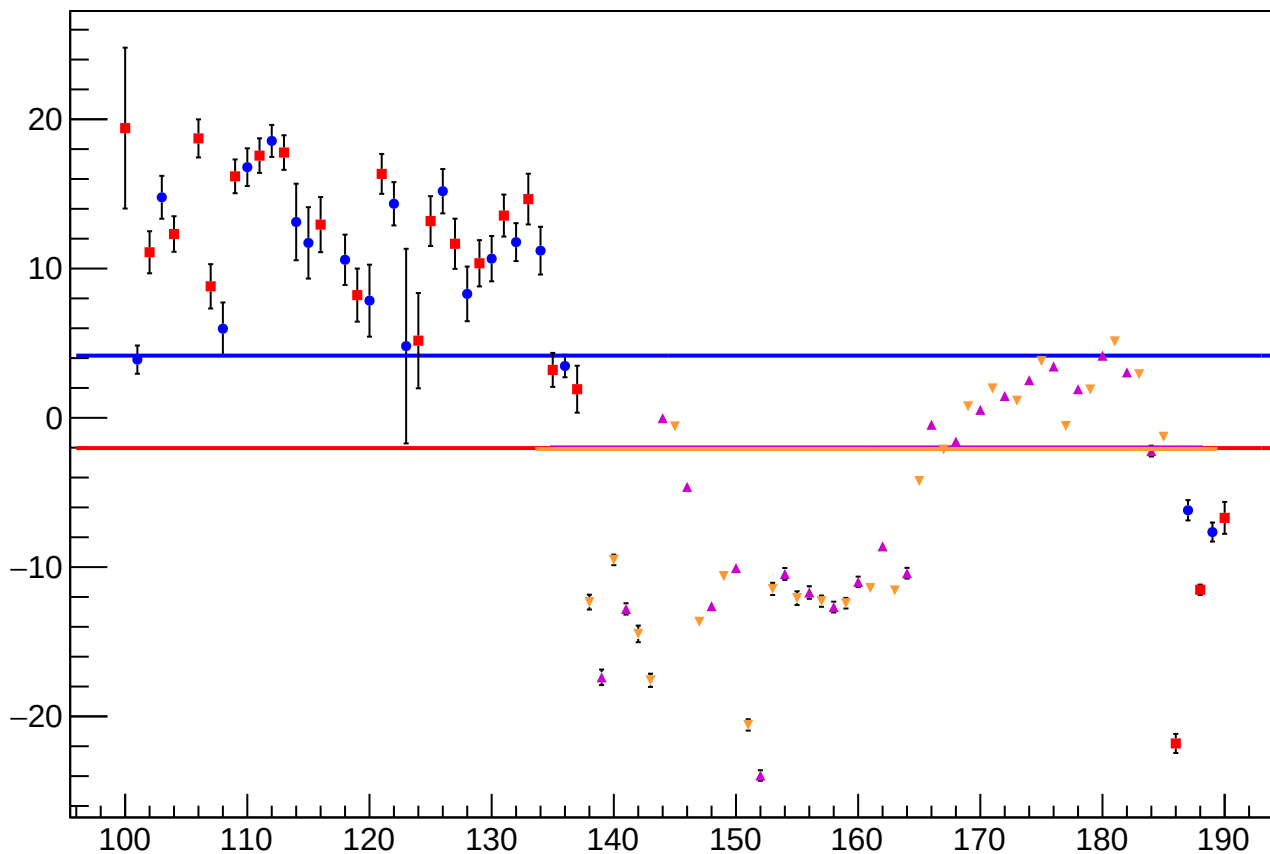
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.773 ± 0.040 χ^2/NDF : 2836.2/43

All: -5.789 ± 0.028 χ^2/NDF : 5555.5/88

- sign -5.805 ± 0.040 χ^2/NDF : 2719.0/44

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 4.167 ± 0.274 $\chi^2/\text{NDF}: 1135.3/18$

Left Out: -2.092 ± 0.051 $\chi^2/\text{NDF}: 16305.3/24$

Right Out: -2.026 ± 0.220 $\chi^2/\text{NDF}: 3889.9/21$

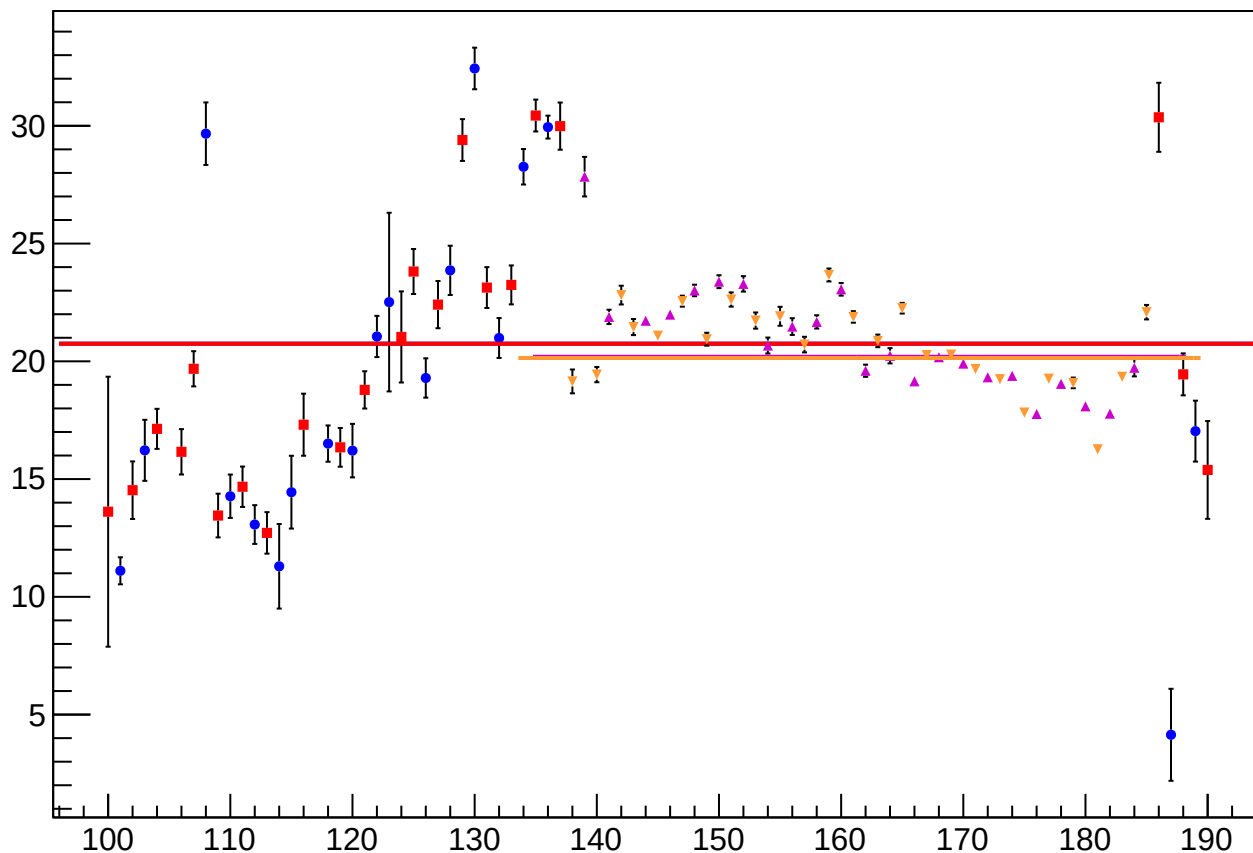
Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

+ sign -1.879 ± 0.051 $\chi^2/\text{NDF}: 17946.1/43$

All: -1.931 ± 0.036 $\chi^2/\text{NDF}: 37220.5/88$

- sign -1.983 ± 0.050 $\chi^2/\text{NDF}: 19272.3/44$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.751 $\pm$ 0.207 χ^2 /NDF: 1291.8/18

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.746 $\pm$ 0.204 χ^2 /NDF: 773.6/21

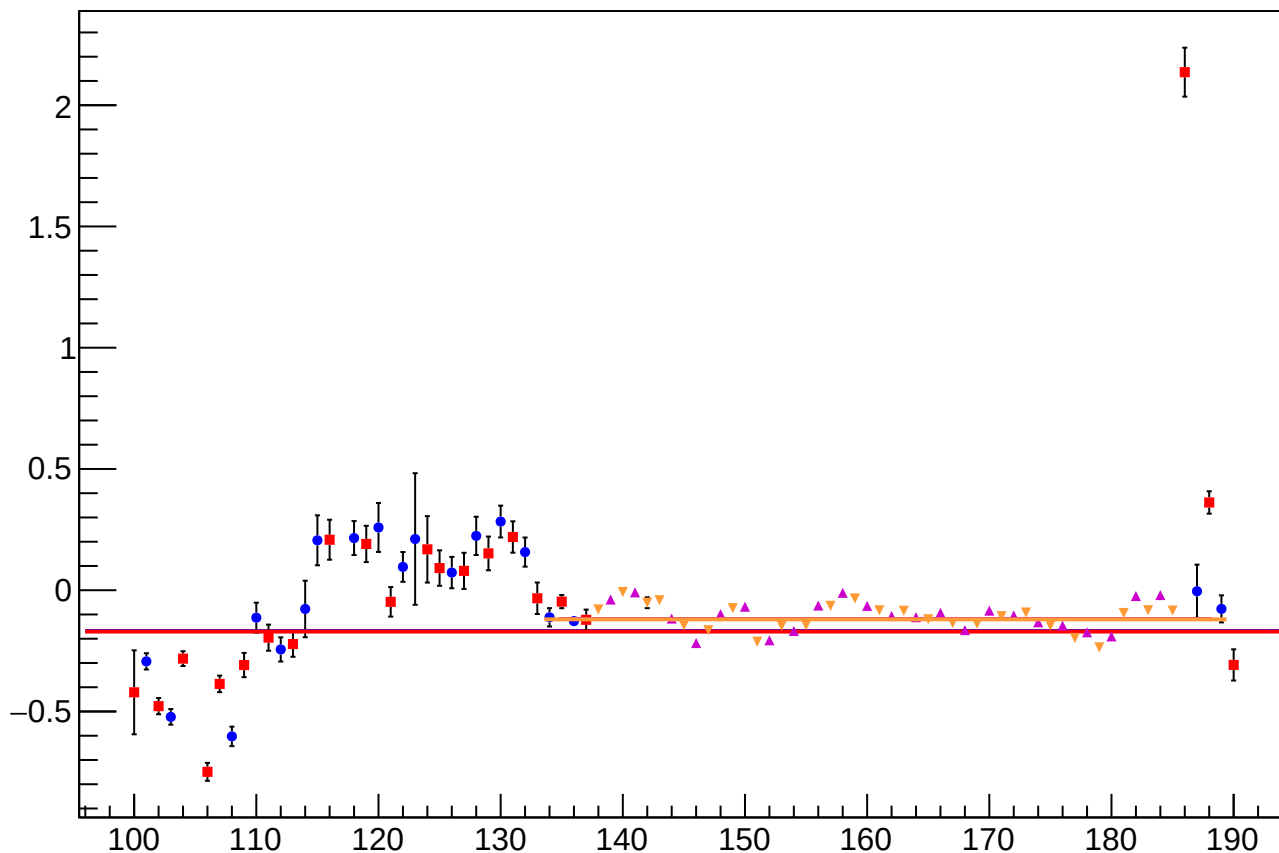
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.169 $\pm$ 0.045 χ^2 /NDF: 2719.2/43

All: 20.195 $\pm$ 0.032 χ^2 /NDF: 4947.8/88

- sign 20.221 $\pm$ 0.045 χ^2 /NDF: 2227.9/44

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.168 ± 0.011 χ^2/NDF : 463.4/18

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.170 ± 0.010 χ^2/NDF : 1216.1/21

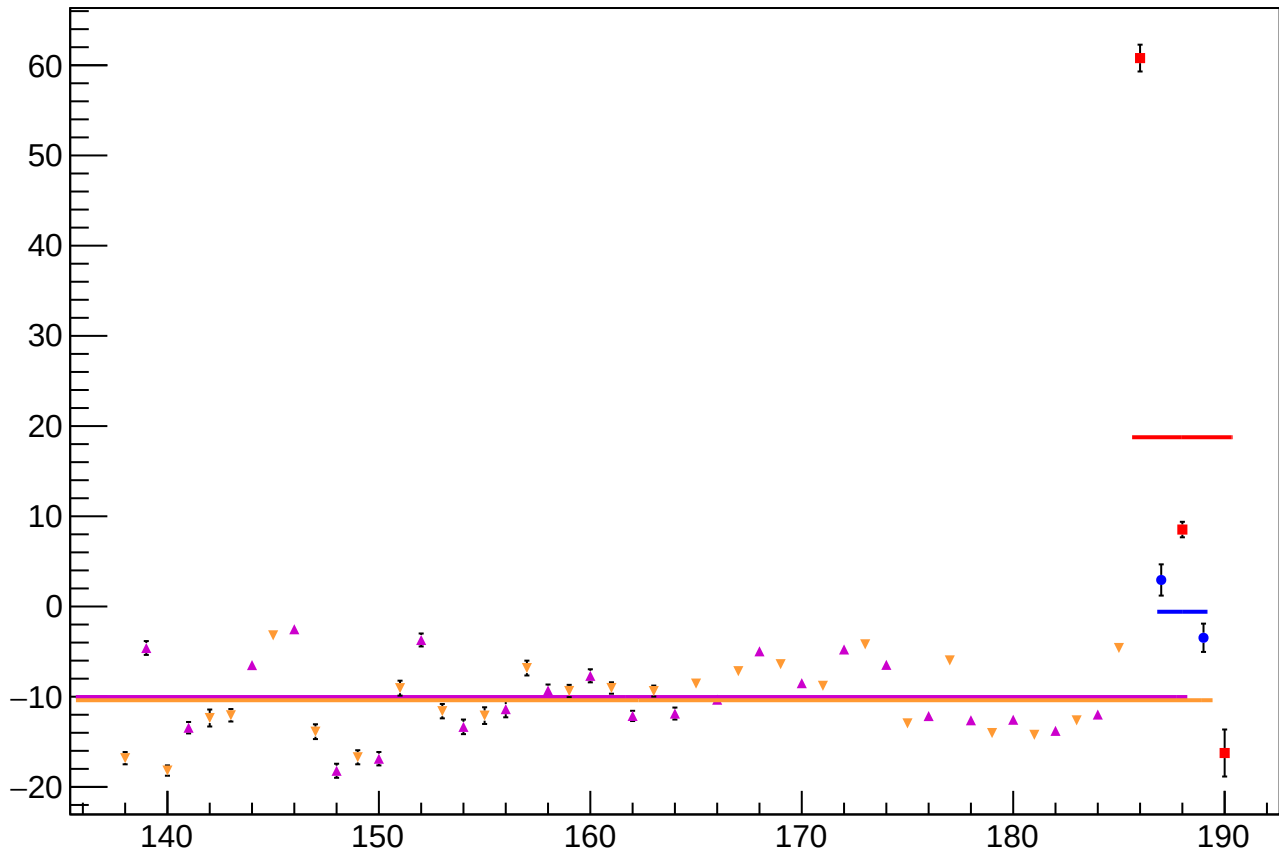
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.122 ± 0.002 χ^2/NDF : 1012.6/43

All: -0.121 ± 0.001 χ^2/NDF : 2974.0/88

- sign -0.121 ± 0.002 χ^2/NDF : 1961.2/44

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -0.582 ± 1.163 χ^2/NDF : 7.5/1

Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24

Right Out: 18.762 ± 0.715 χ^2/NDF : 1121.7/2

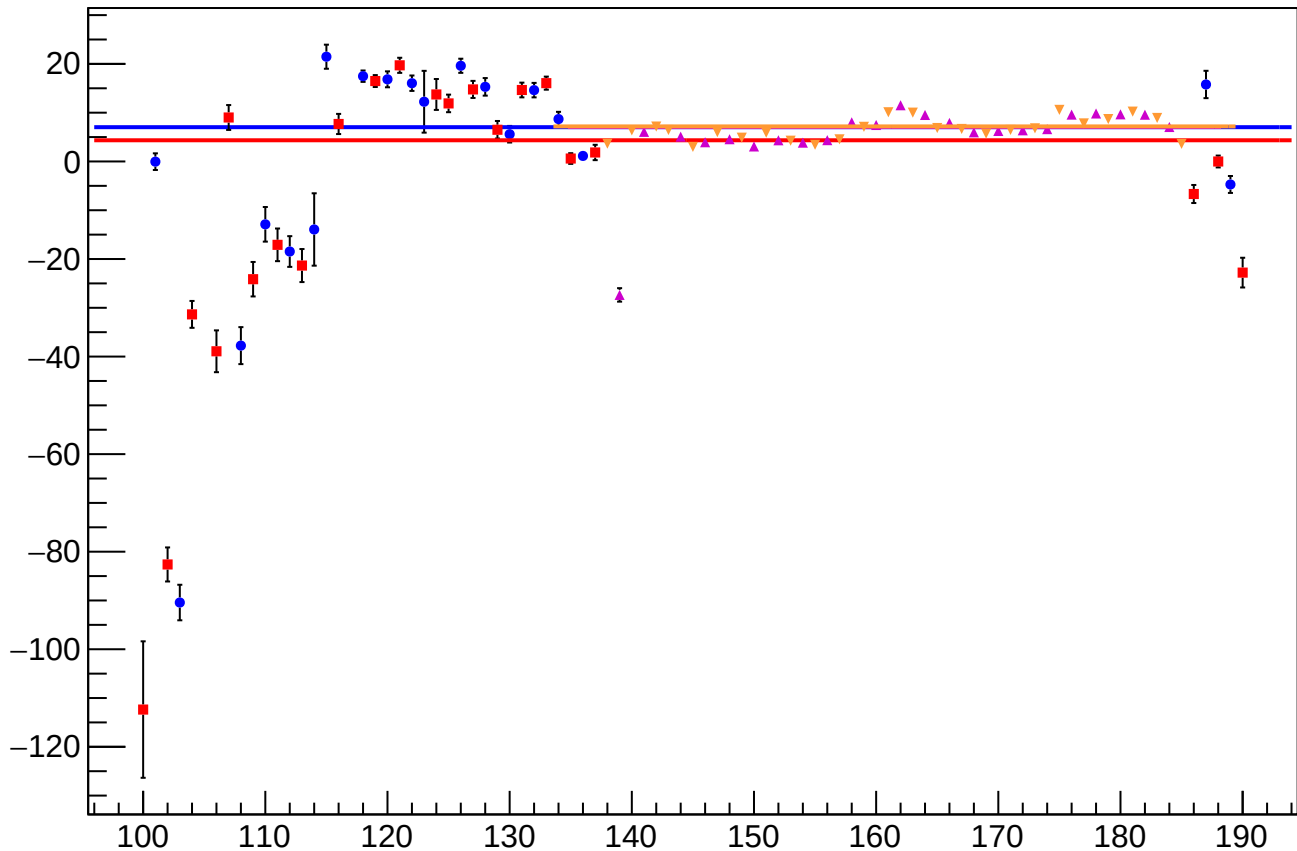
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.335 ± 0.088 χ^2/NDF : 2189.9/26

All: -9.969 ± 0.062 χ^2/NDF : 6701.9/52

- sign -9.592 ± 0.089 χ^2/NDF : 4476.5/25

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.027 ± 0.392 χ^2/NDF : 1397.4/18

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 4.343 ± 0.396 χ^2/NDF : 1655.0/21

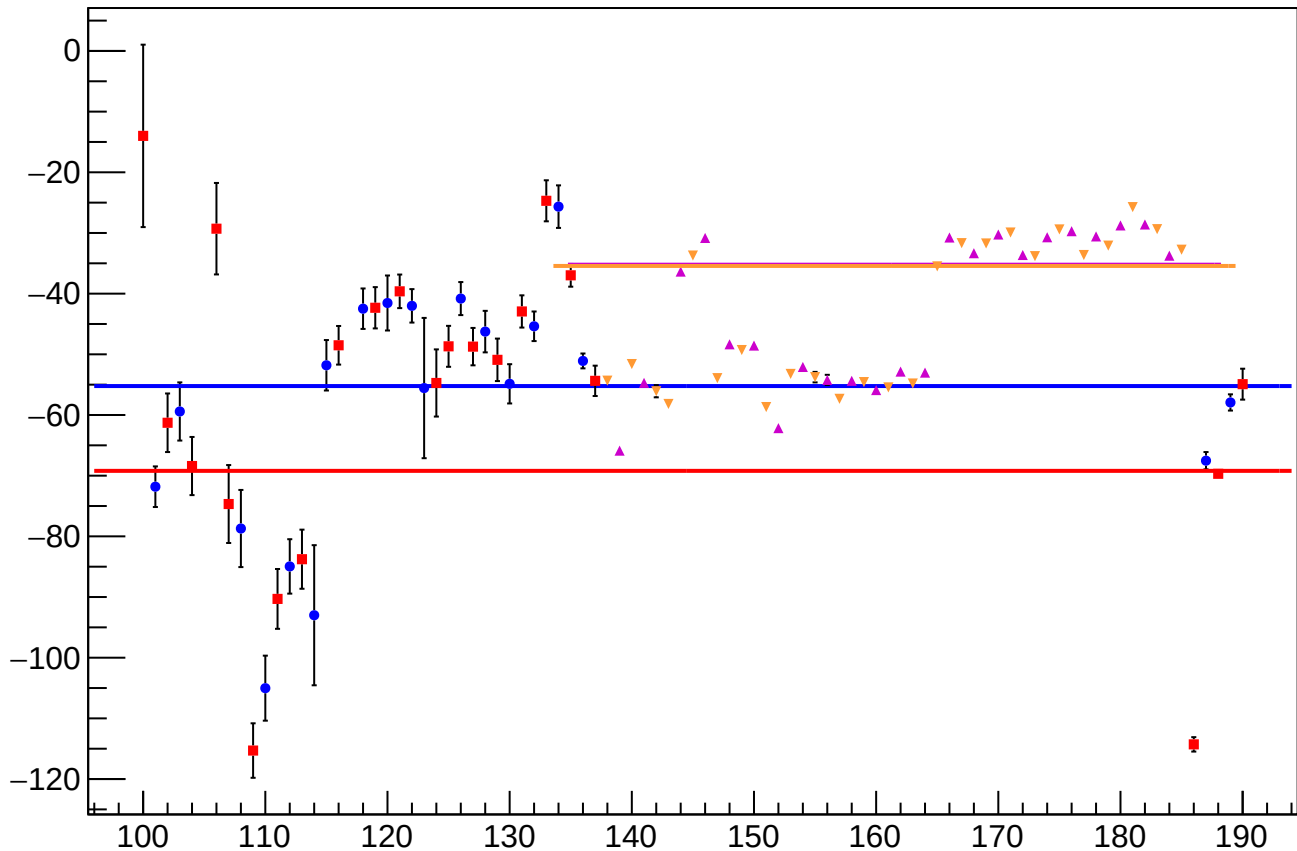
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.179 ± 0.072 χ^2/NDF : 2314.9/43

All: 7.071 ± 0.051 χ^2/NDF : 5555.5/88

- sign 6.961 ± 0.073 χ^2/NDF : 3236.0/44

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -55.230 ± 0.590 χ^2/NDF : 439.9/18

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -69.206 ± 0.471 χ^2/NDF : 2585.6/21

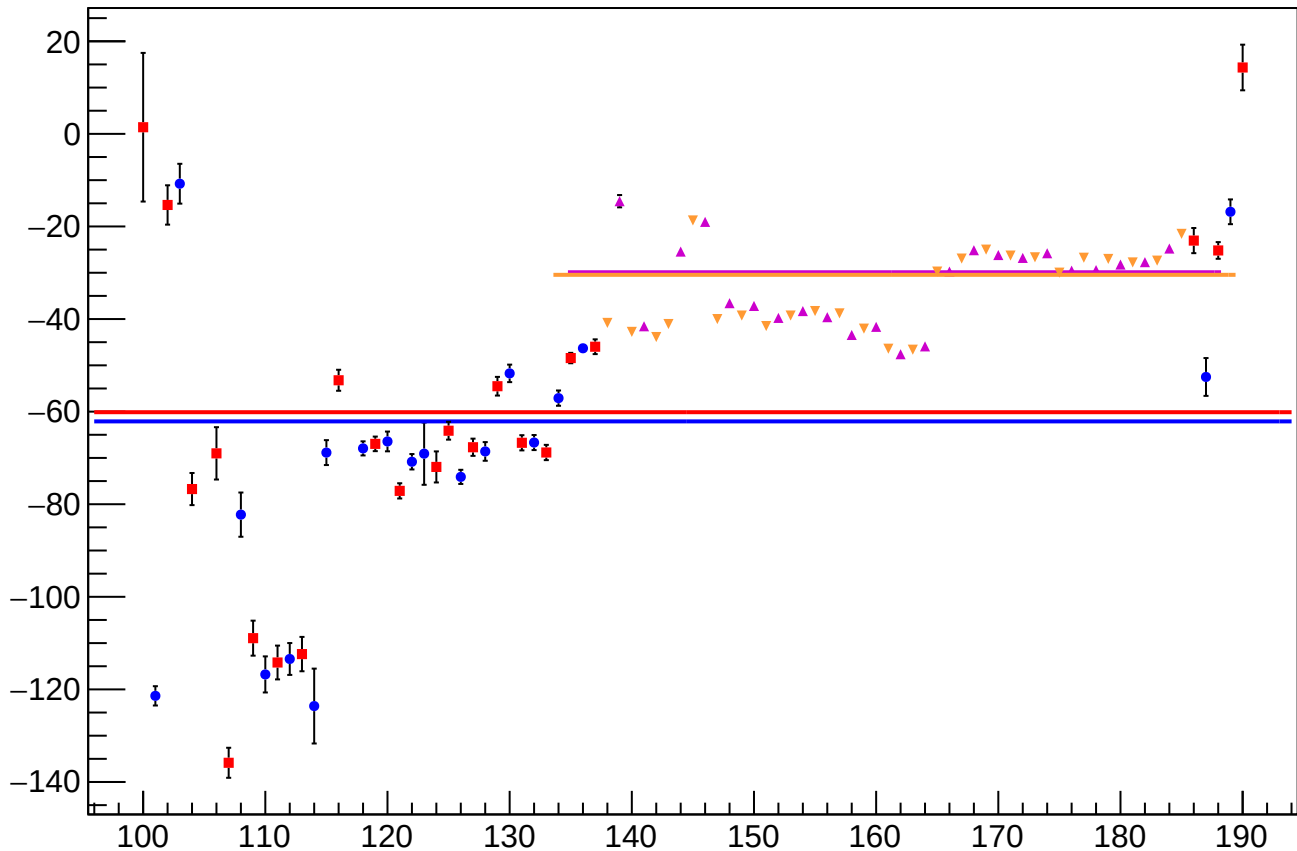
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.874 ± 0.088 χ^2/NDF : 14322.6/43

All: -36.150 ± 0.062 χ^2/NDF : 33554.1/88

- sign -36.429 ± 0.089 χ^2/NDF : 19211.7/44

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -62.108 ± 0.440 $\chi^2/\text{NDF}: 2308.0/18$

Left Out: -30.448 ± 0.082 $\chi^2/\text{NDF}: 8167.7/24$

Right Out: -60.122 ± 0.459 $\chi^2/\text{NDF}: 2477.5/21$

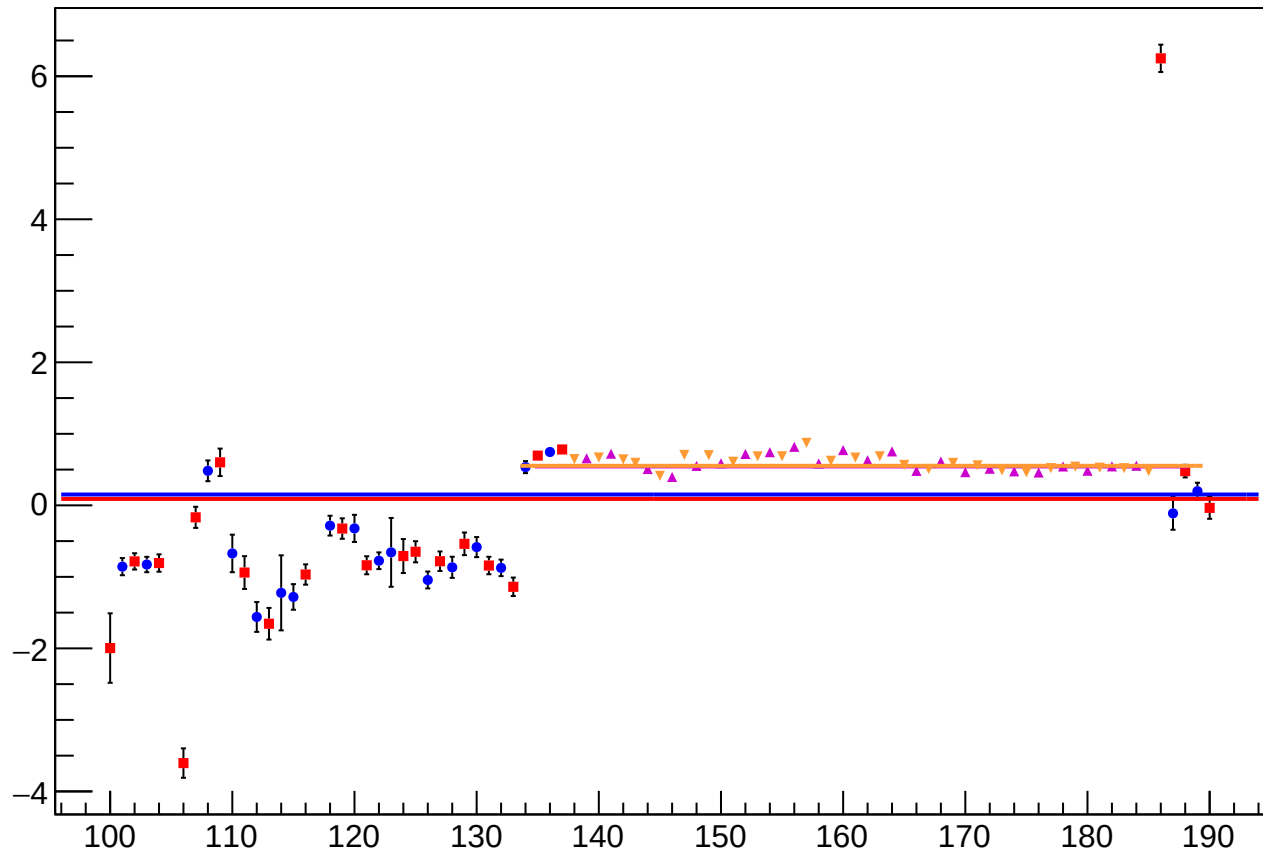
Left In: -29.892 ± 0.083 $\chi^2/\text{NDF}: 7115.0/22$

+ sign -31.497 ± 0.080 $\chi^2/\text{NDF}: 15471.7/43$

All: -31.174 ± 0.057 $\chi^2/\text{NDF}: 29307.1/88$

- sign -30.842 ± 0.081 $\chi^2/\text{NDF}: 13802.4/44$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.151 ± 0.023 $\chi^2/\text{NDF}: 988.8/18$

Left Out: 0.553 ± 0.004 $\chi^2/\text{NDF}: 542.1/24$

Right Out: 0.090 ± 0.025 $\chi^2/\text{NDF}: 2250.3/21$

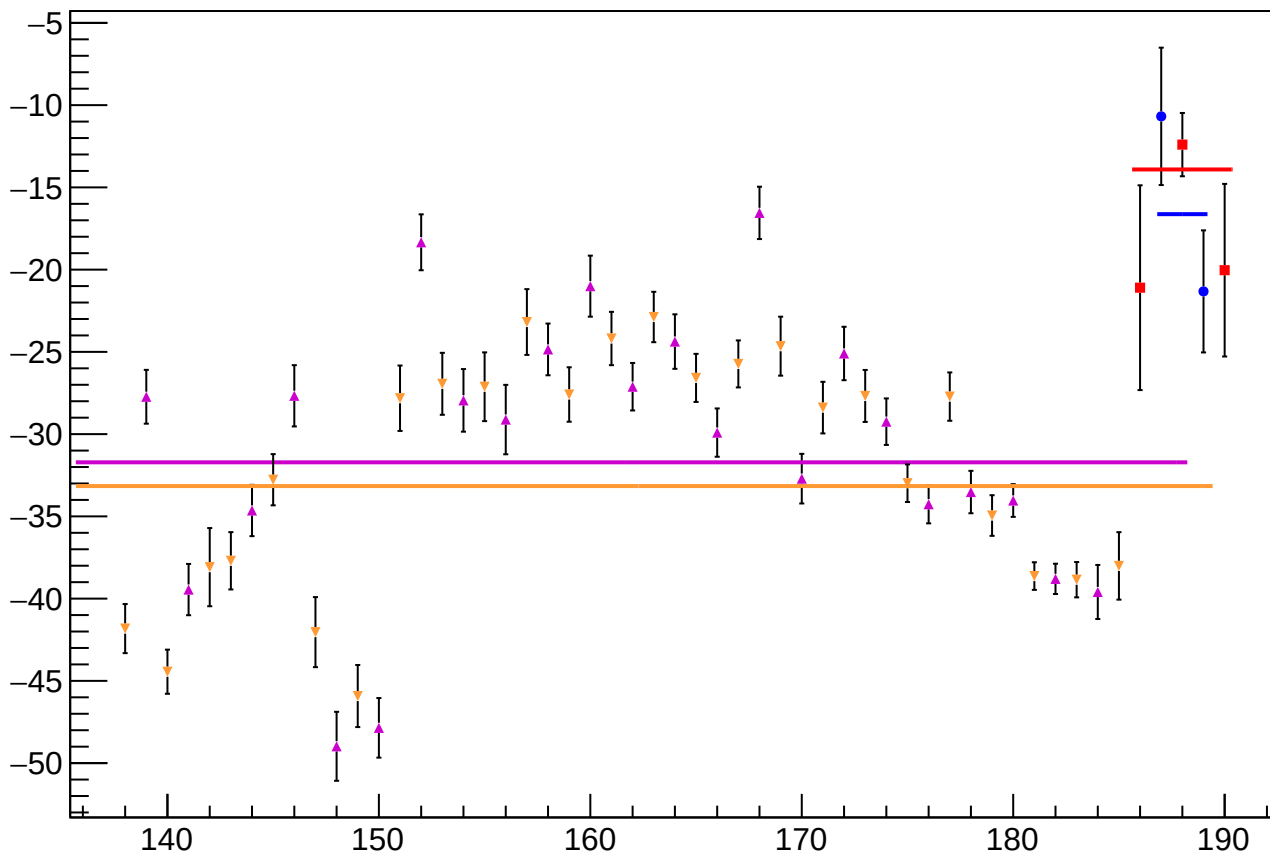
Left In: 0.544 ± 0.004 $\chi^2/\text{NDF}: 655.9/22$

+ sign 0.543 ± 0.004 $\chi^2/\text{NDF}: 1817.0/43$

All: 0.538 ± 0.003 $\chi^2/\text{NDF}: 5057.1/88$

- sign 0.533 ± 0.004 $\chi^2/\text{NDF}: 3236.6/44$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -16.628 ± 2.774 χ^2/NDF : 3.6/1

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -13.910 ± 1.735 χ^2/NDF : 3.3/2

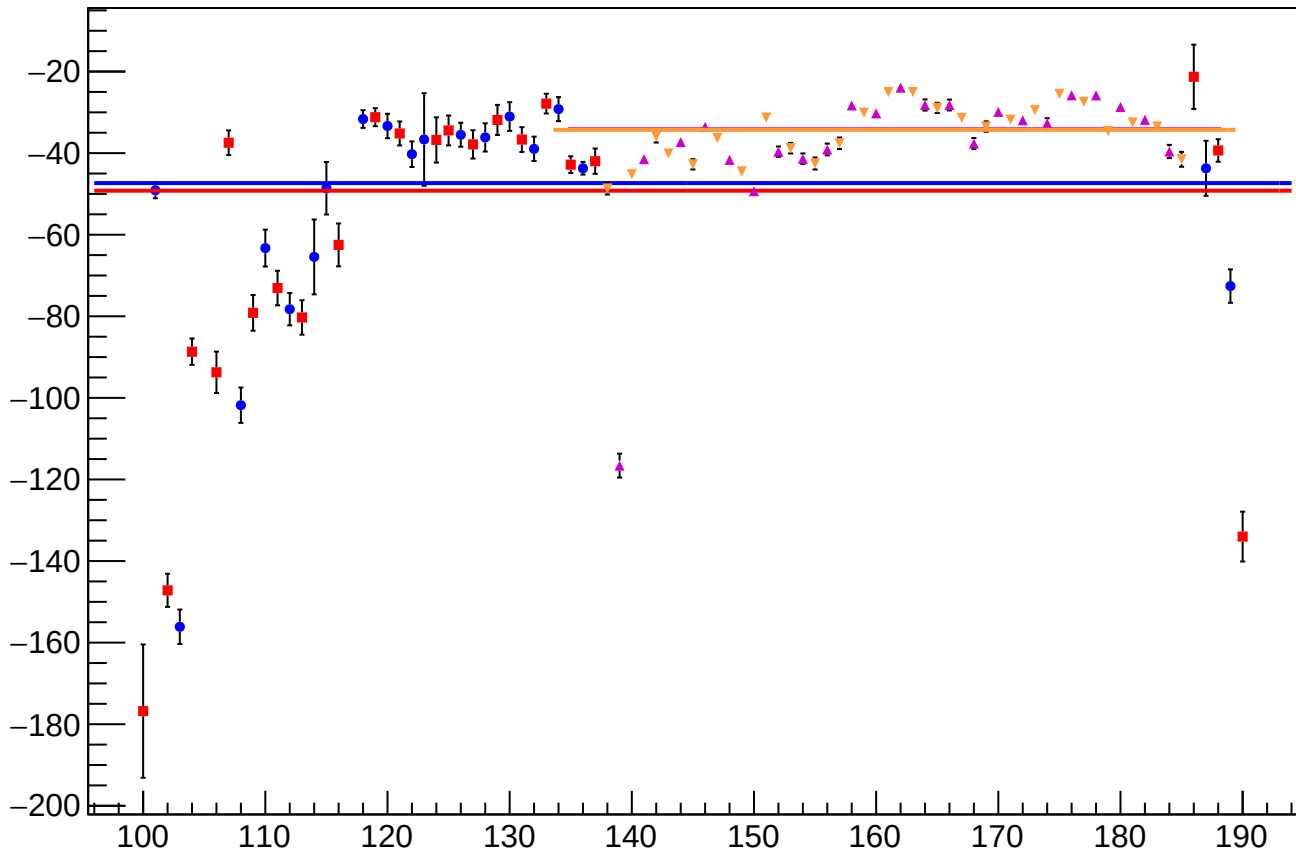
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -32.965 ± 0.298 χ^2/NDF : 538.8/26

All: -32.083 ± 0.213 χ^2/NDF : 1204.3/52

- sign -31.167 ± 0.304 χ^2/NDF : 647.7/25

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



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: -49.208 ± 0.728 $\chi^2/\text{NDF}: 1495.6/21$

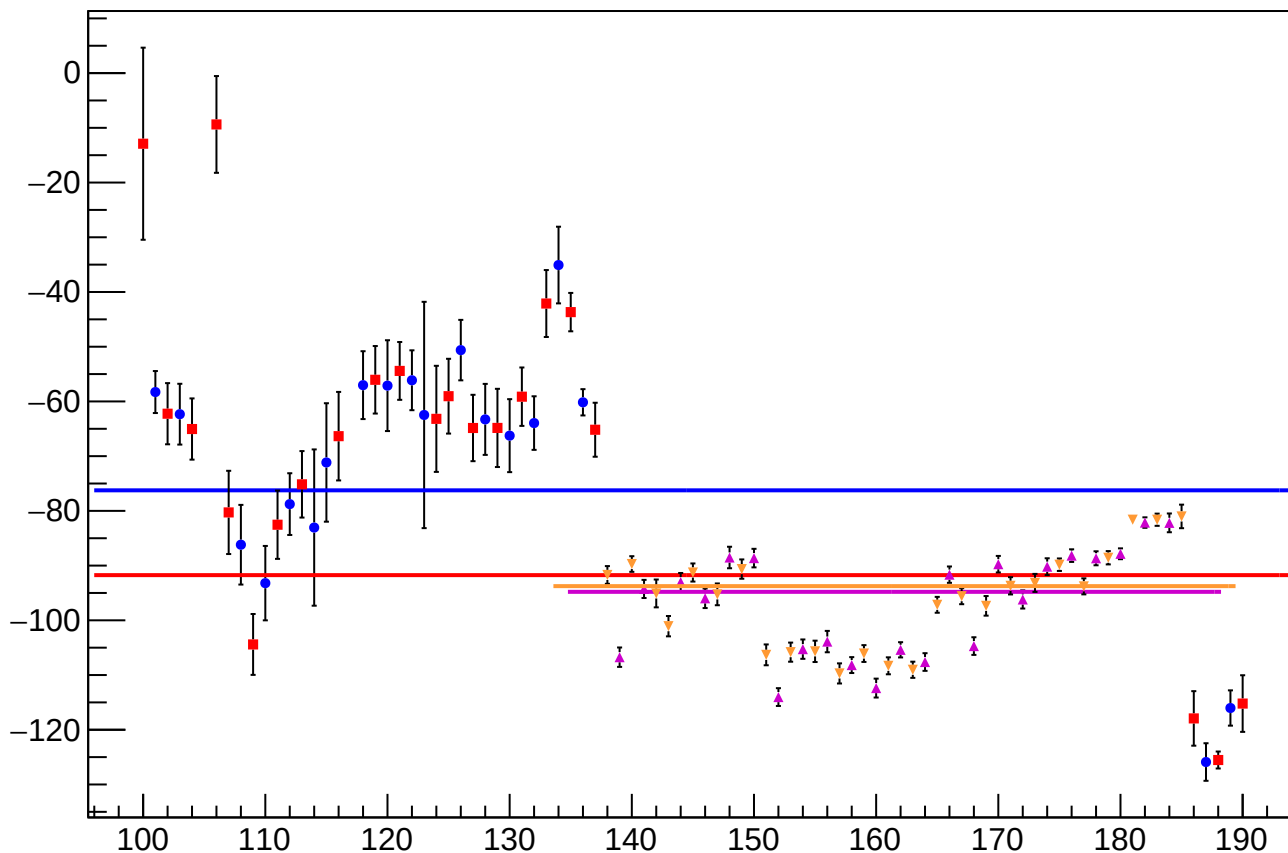
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -35.624 ± 0.229 $\chi^2/\text{NDF}: 2110.0/43$

All: -35.681 ± 0.165 $\chi^2/\text{NDF}: 5440.9/88$

- sign -35.742 ± 0.237 $\chi^2/\text{NDF}: 3330.7/44$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -76.246 ± 1.149 χ^2/NDF : 540.8/18

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -91.743 ± 0.992 χ^2/NDF : 1176.1/21

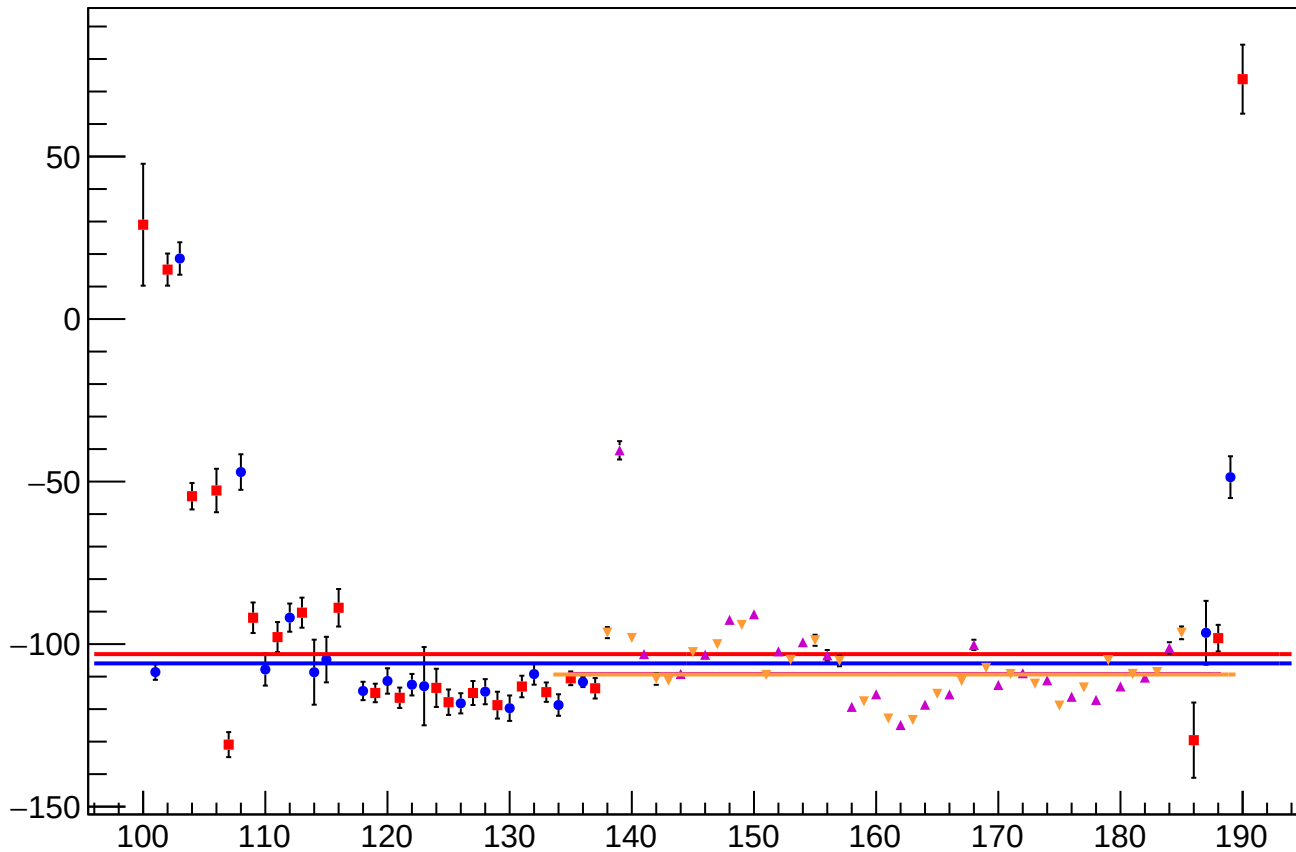
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.624 ± 0.292 χ^2/NDF : 1641.1/43

All: -93.567 ± 0.207 χ^2/NDF : 3821.6/88

- sign -94.527 ± 0.295 χ^2/NDF : 2159.5/44

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -105.932 ± 0.809 χ^2/NDF : 908.6/18

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -103.084 ± 0.839 χ^2/NDF : 1306.9/21

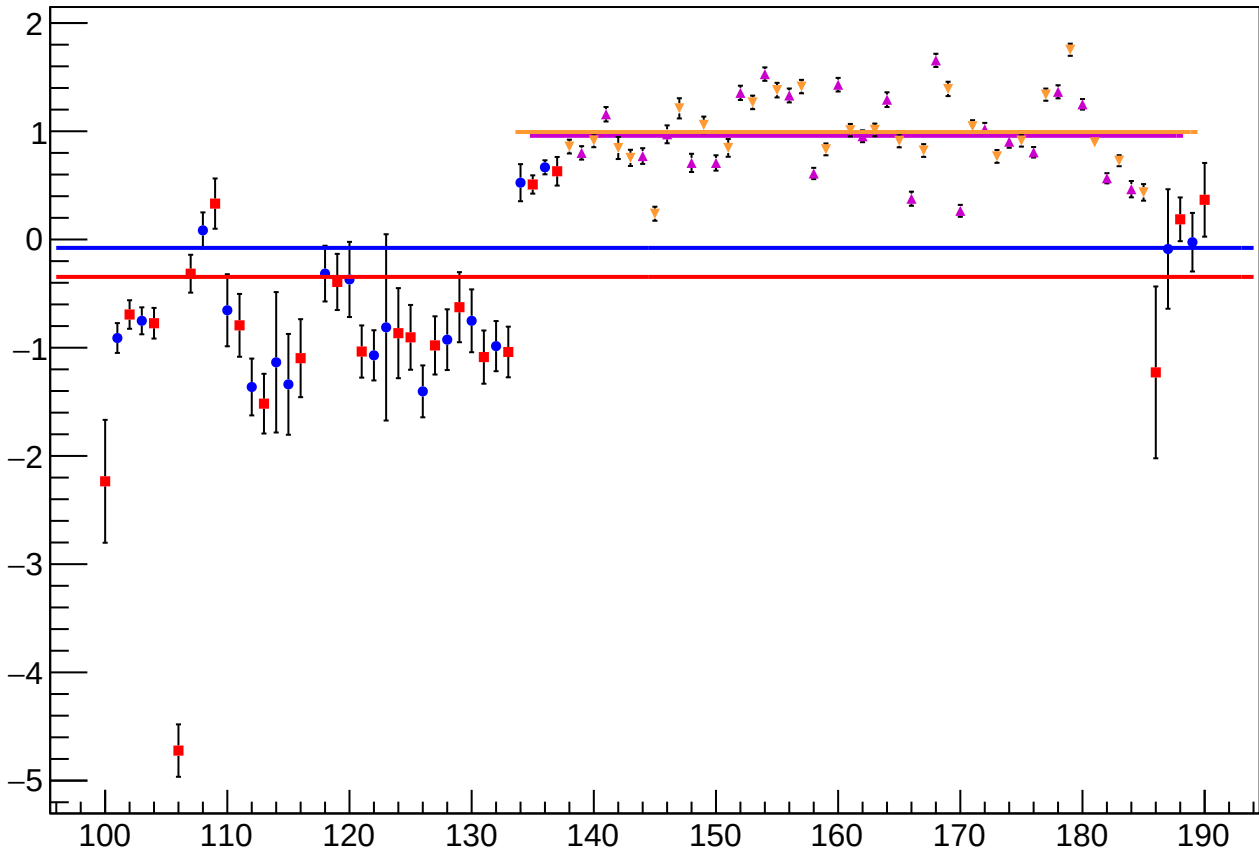
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -109.006 ± 0.257 χ^2/NDF : 1751.5/43

All: -108.797 ± 0.185 χ^2/NDF : 4608.5/88

- sign -108.573 ± 0.266 χ^2/NDF : 2855.6/44

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.078 ± 0.042 χ^2/NDF : 328.6/18

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.346 ± 0.043 χ^2/NDF : 593.3/21

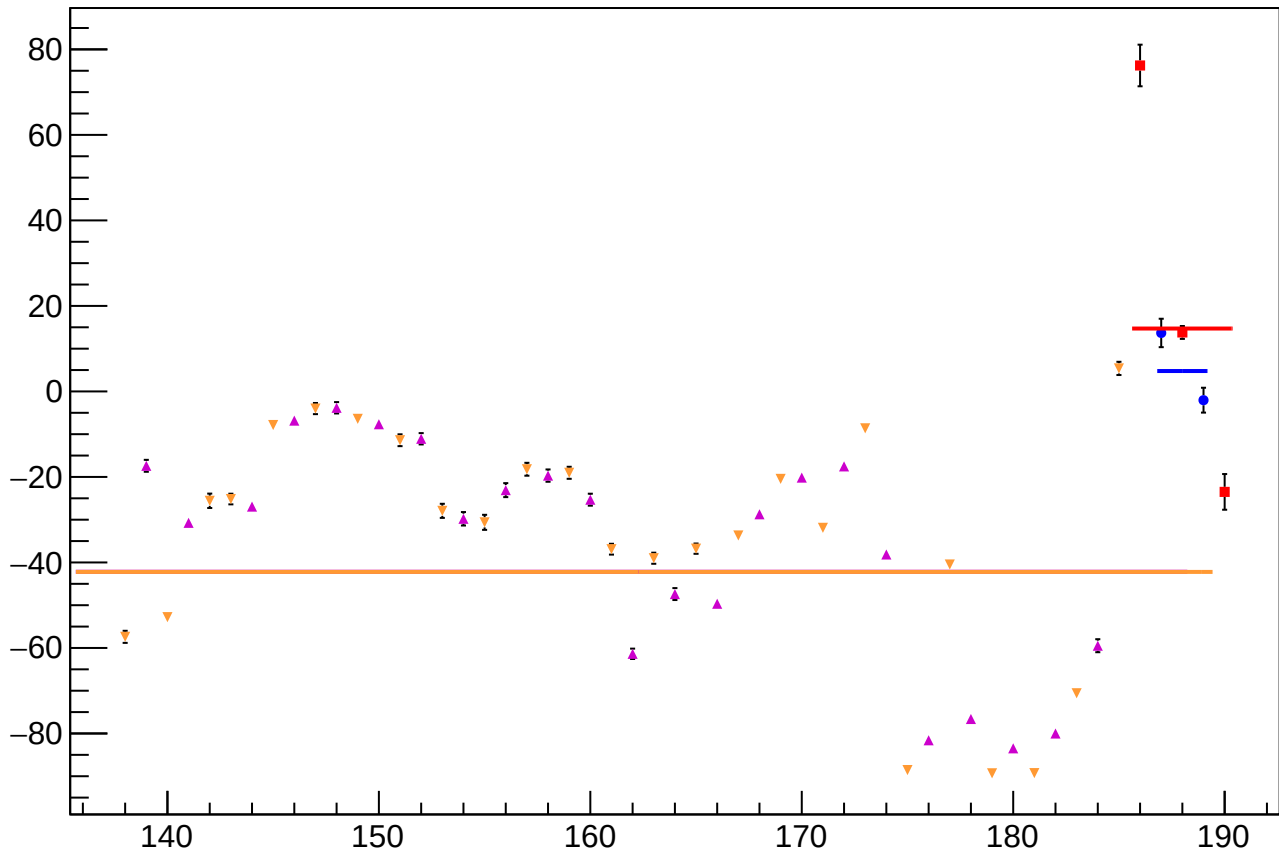
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.906 ± 0.012 χ^2/NDF : 1573.6/43

All: 0.880 ± 0.008 χ^2/NDF : 3930.5/88

- sign 0.852 ± 0.012 χ^2/NDF : 2347.0/44

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: 4.771 ± 2.188 $\chi^2/\text{NDF}: 12.7/1$

Left Out: -42.213 ± 0.222 $\chi^2/\text{NDF}: 18309.1/24$

Right Out: 14.710 ± 1.361 $\chi^2/\text{NDF}: 244.0/2$

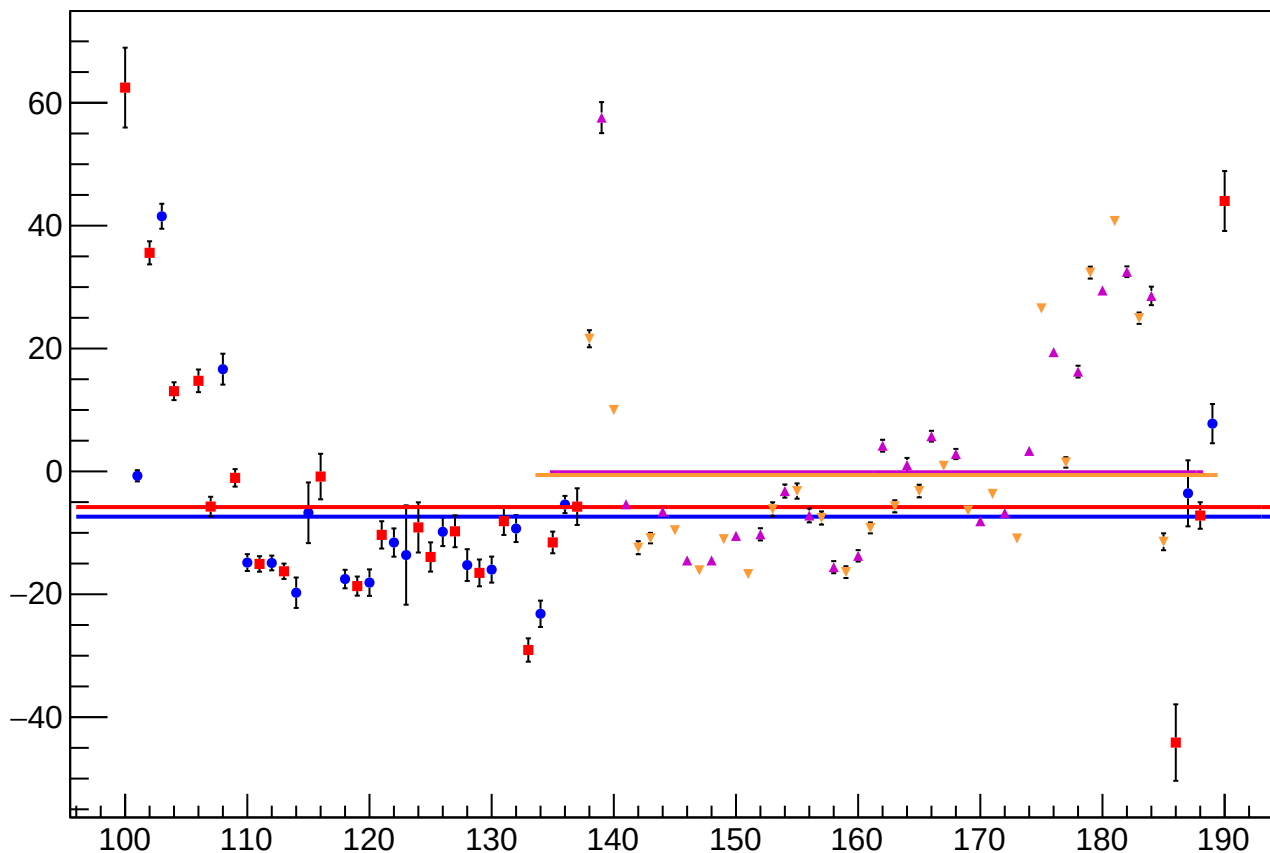
Left In: -42.176 ± 0.227 $\chi^2/\text{NDF}: 14575.9/22$

+ sign -41.734 ± 0.221 $\chi^2/\text{NDF}: 18778.1/26$

All: -41.193 ± 0.157 $\chi^2/\text{NDF}: 35308.8/52$

- sign -40.636 ± 0.224 $\chi^2/\text{NDF}: 16518.5/25$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



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: -5.805 ± 0.419 $\chi^2/\text{NDF}: 1441.2/21$

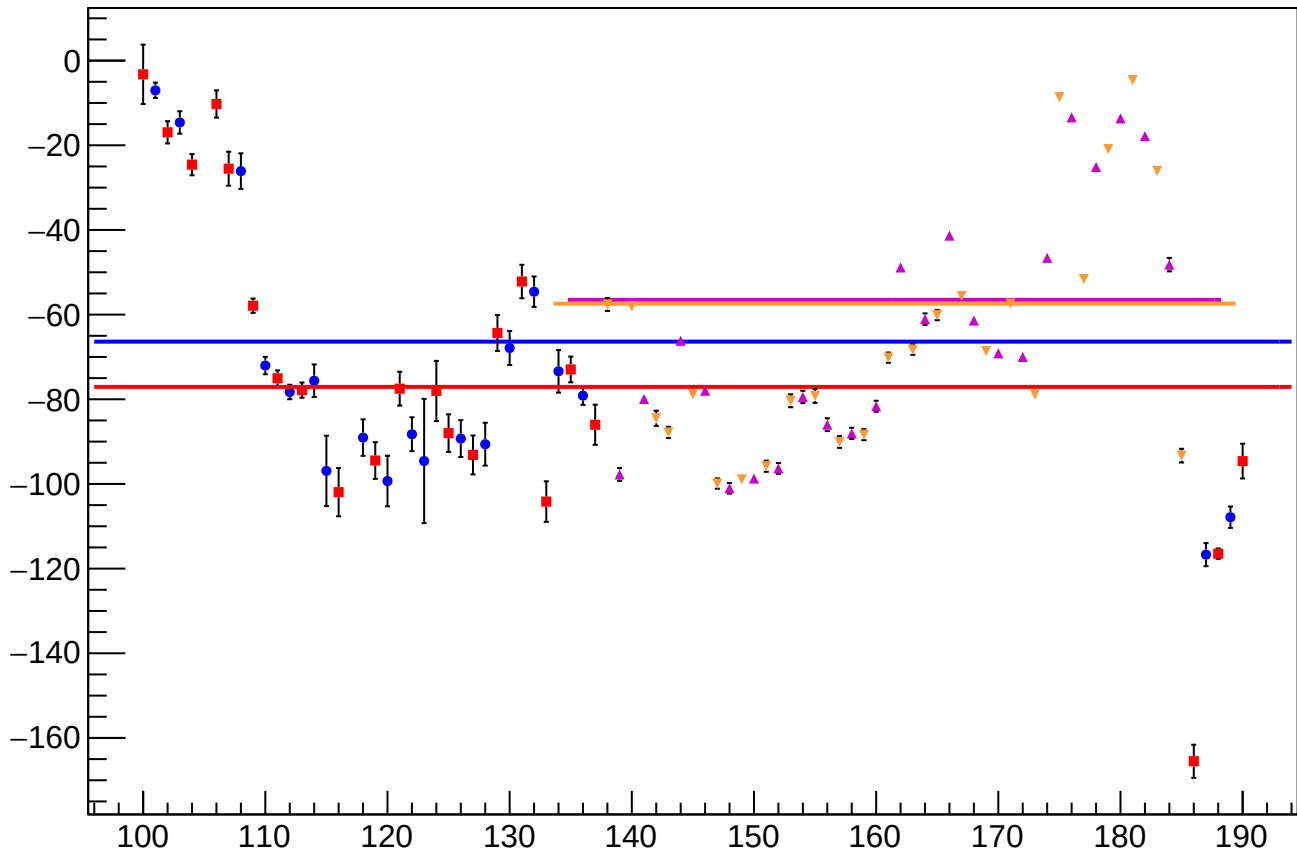
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -1.563 ± 0.161 $\chi^2/\text{NDF}: 9967.6/43$

All: -1.297 ± 0.115 $\chi^2/\text{NDF}: 18431.5/88$

- sign -1.019 ± 0.165 $\chi^2/\text{NDF}: 8458.4/44$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.385 ± 0.693 χ^2/NDF : 2416.1/18

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -77.072 ± 0.596 χ^2/NDF : 3513.9/21

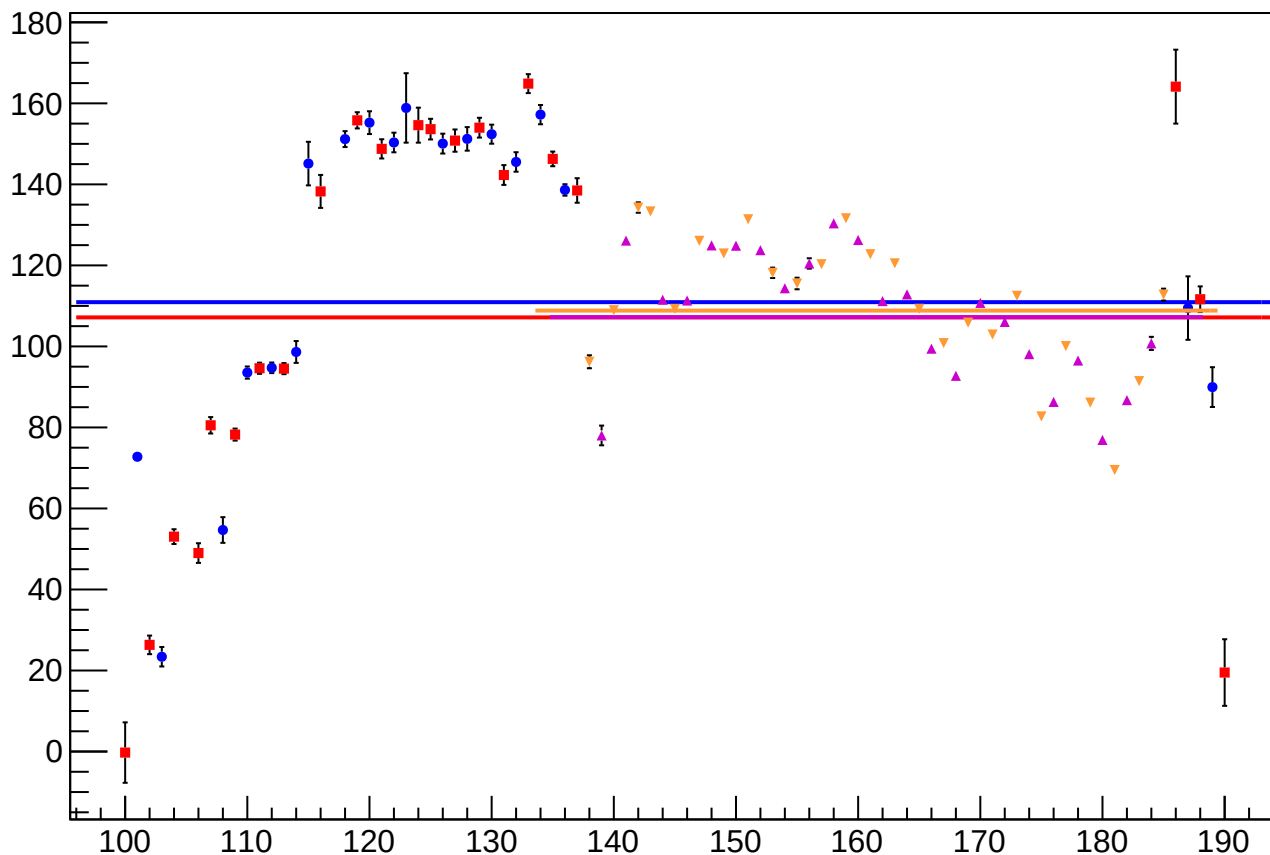
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.257 ± 0.212 χ^2/NDF : 21172.1/43

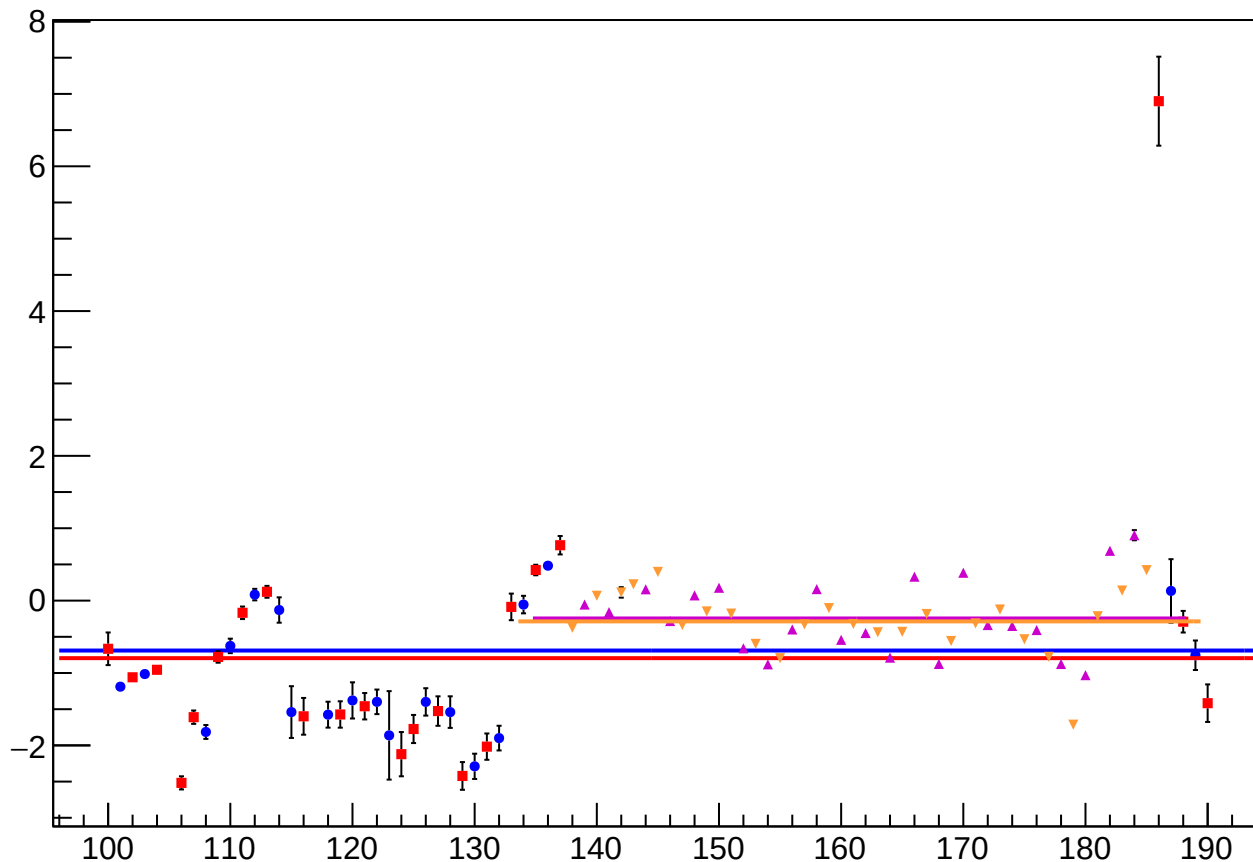
All: -58.689 ± 0.150 χ^2/NDF : 42083.9/88

- sign -59.120 ± 0.212 χ^2/NDF : 20903.5/44

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.690 ± 0.026 χ^2/NDF : 992.5/18

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.795 ± 0.024 χ^2/NDF : 1477.0/21

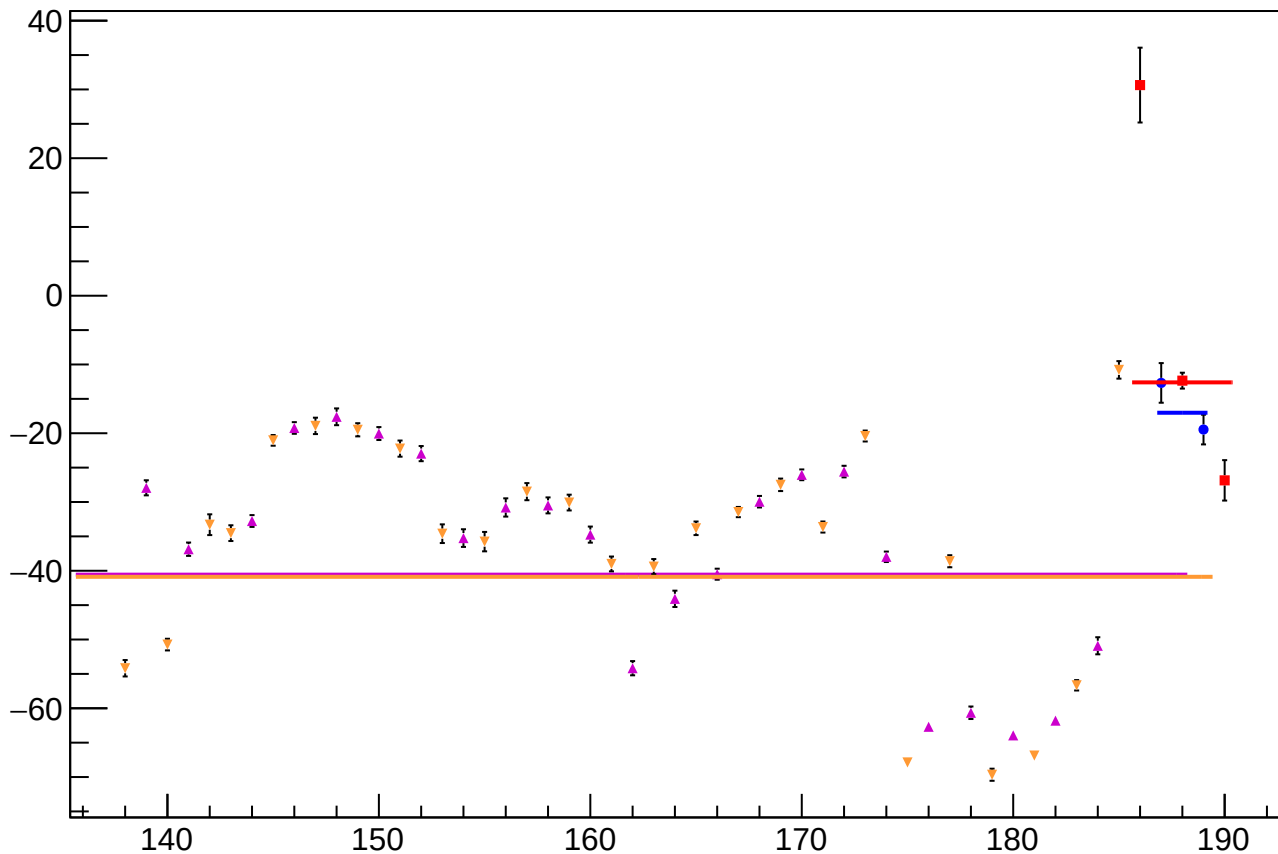
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.332 ± 0.009 χ^2/NDF : 3265.3/43

All: -0.325 ± 0.006 χ^2/NDF : 7992.6/88

- sign -0.318 ± 0.009 χ^2/NDF : 4726.0/44

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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: -12.603 ± 1.055 χ^2/NDF : 86.7/2

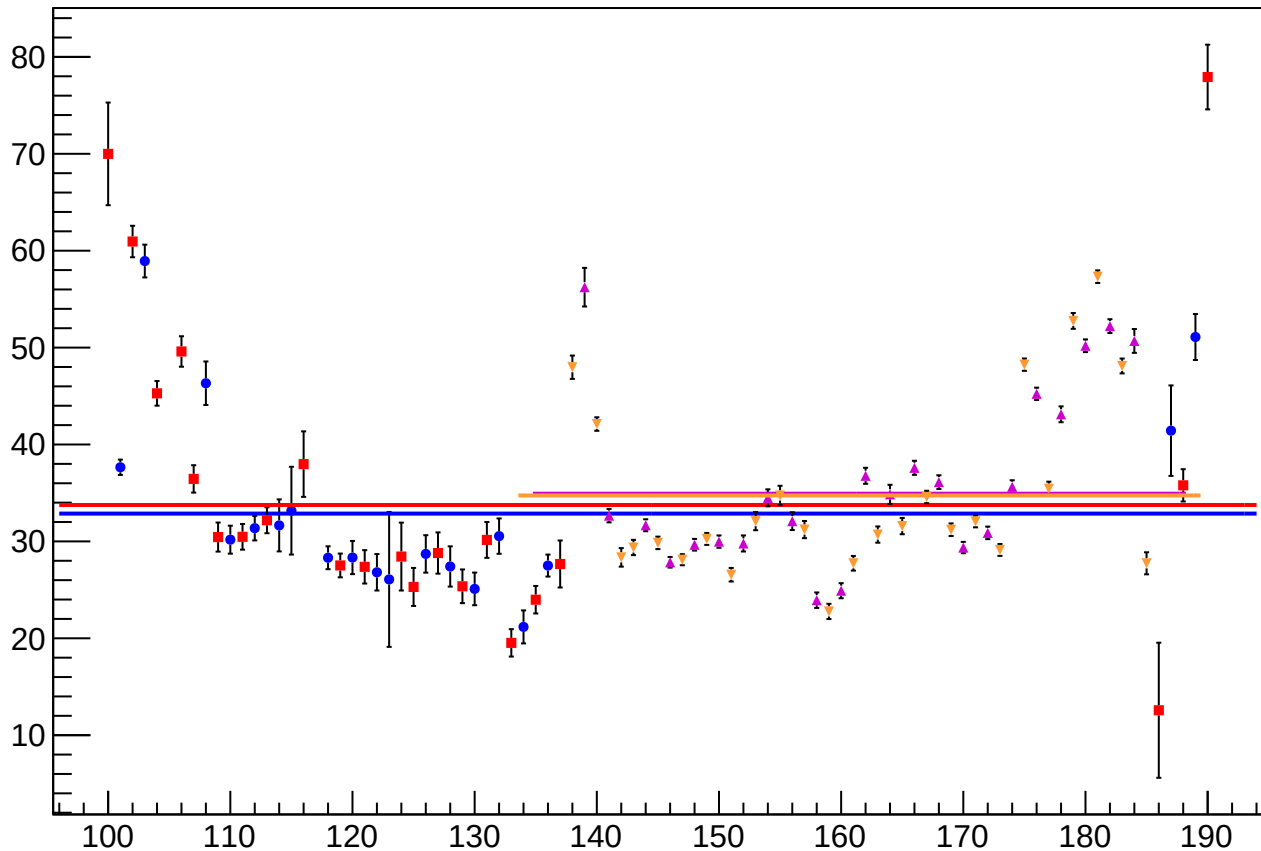
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.607 ± 0.185 χ^2/NDF : 9314.8/26

All: -40.152 ± 0.132 χ^2/NDF : 17049.4/52

- sign -39.689 ± 0.187 χ^2/NDF : 7722.4/25

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



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: 33.759 ± 0.367 $\chi^2/\text{NDF}: 961.5/21$

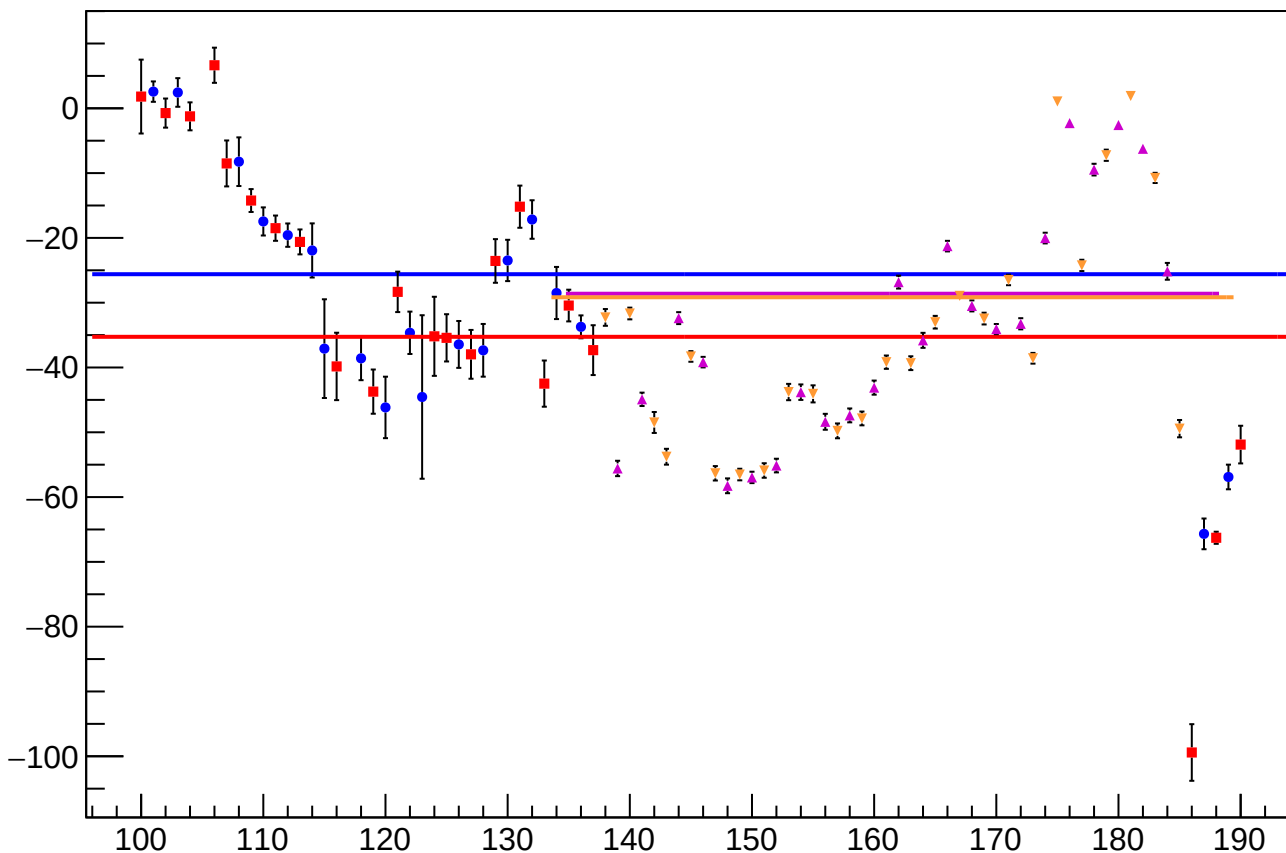
Left In: 34.922 ± 0.152 $\chi^2/\text{NDF}: 2672.9/22$

+ sign 34.485 ± 0.137 $\chi^2/\text{NDF}: 4230.0/43$

All: 34.616 ± 0.098 $\chi^2/\text{NDF}: 7874.9/88$

- sign 34.753 ± 0.140 $\chi^2/\text{NDF}: 3643.0/44$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -25.603 ± 0.610 $\chi^2/\text{NDF}: 1178.9/18$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -35.266 ± 0.518 $\chi^2/\text{NDF}: 2518.1/21$

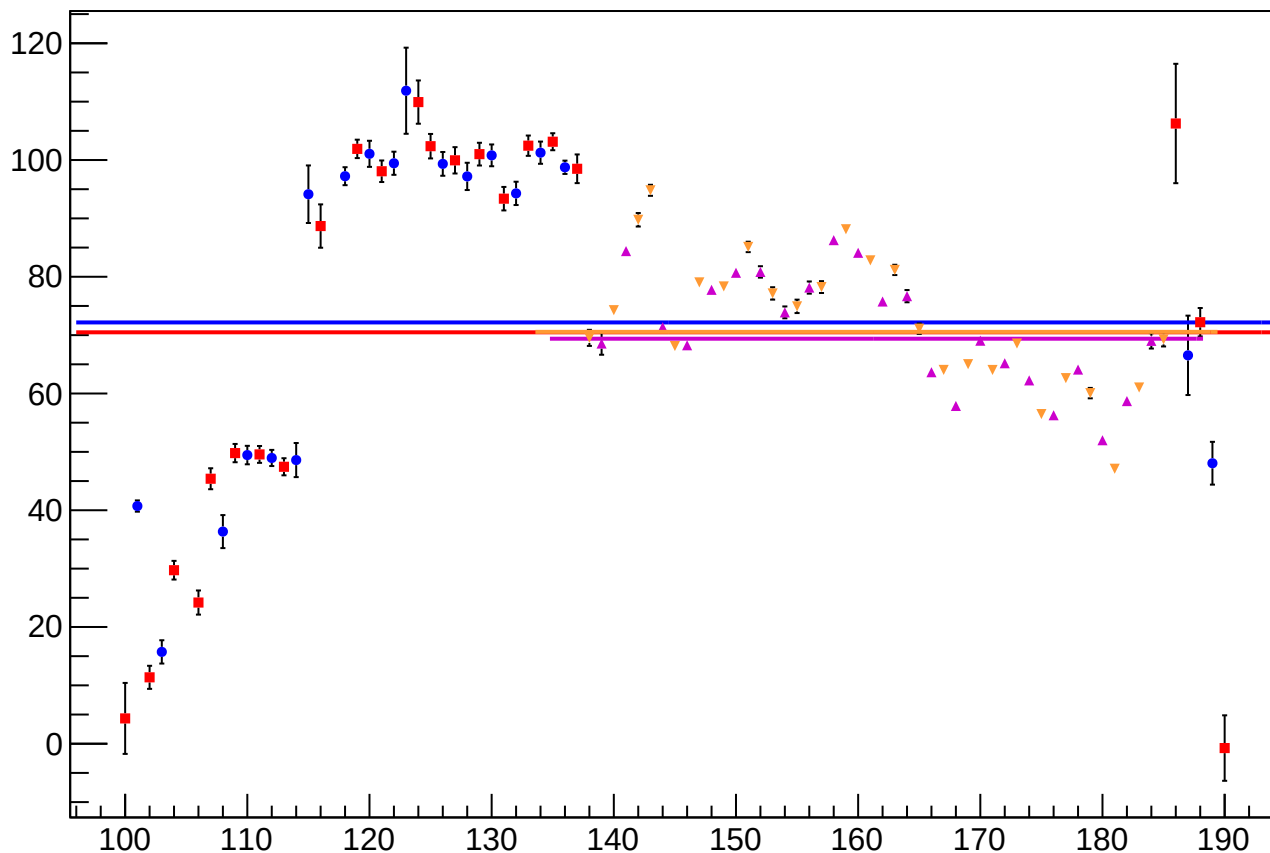
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -28.857 ± 0.179 $\chi^2/\text{NDF}: 11336.1/43$

All: -29.131 ± 0.126 $\chi^2/\text{NDF}: 23044.8/88$

- sign -29.403 ± 0.178 $\chi^2/\text{NDF}: 11704.1/44$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.176 $\pm$ 0.425 χ^2/NDF : 4716.8/18

Left Out: 70.563 $\pm$ 0.166 χ^2/NDF : 4589.1/24

Right Out: 70.483 $\pm$ 0.426 χ^2/NDF : 5669.1/21

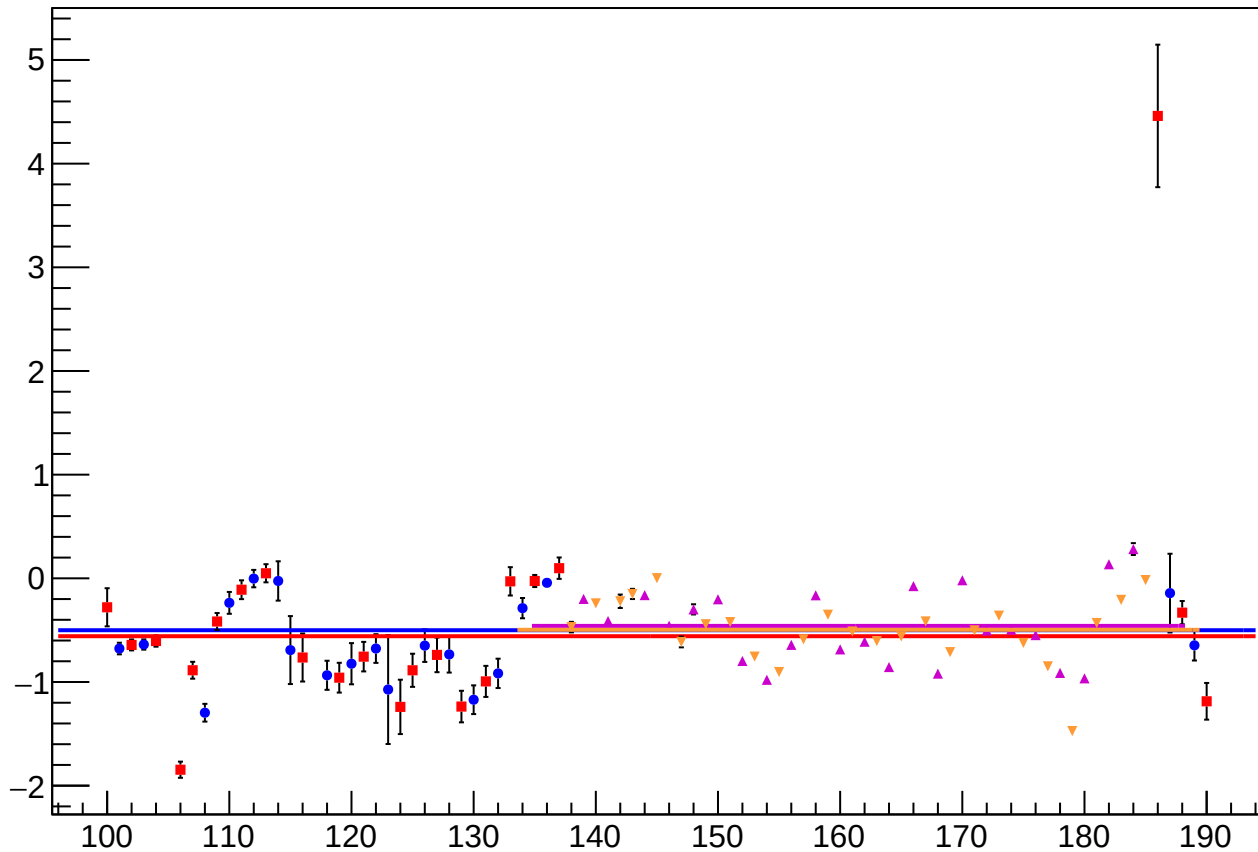
Left In: 69.387 $\pm$ 0.170 χ^2/NDF : 3321.8/22

+ sign 70.776 $\pm$ 0.155 χ^2/NDF : 9318.4/43

All: 70.170 $\pm$ 0.111 χ^2/NDF : 18346.4/88

- sign 69.538 $\pm$ 0.158 χ^2/NDF : 8996.6/44

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.501 ± 0.022 χ^2/NDF : 304.0/18

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.558 ± 0.021 χ^2/NDF : 630.3/21

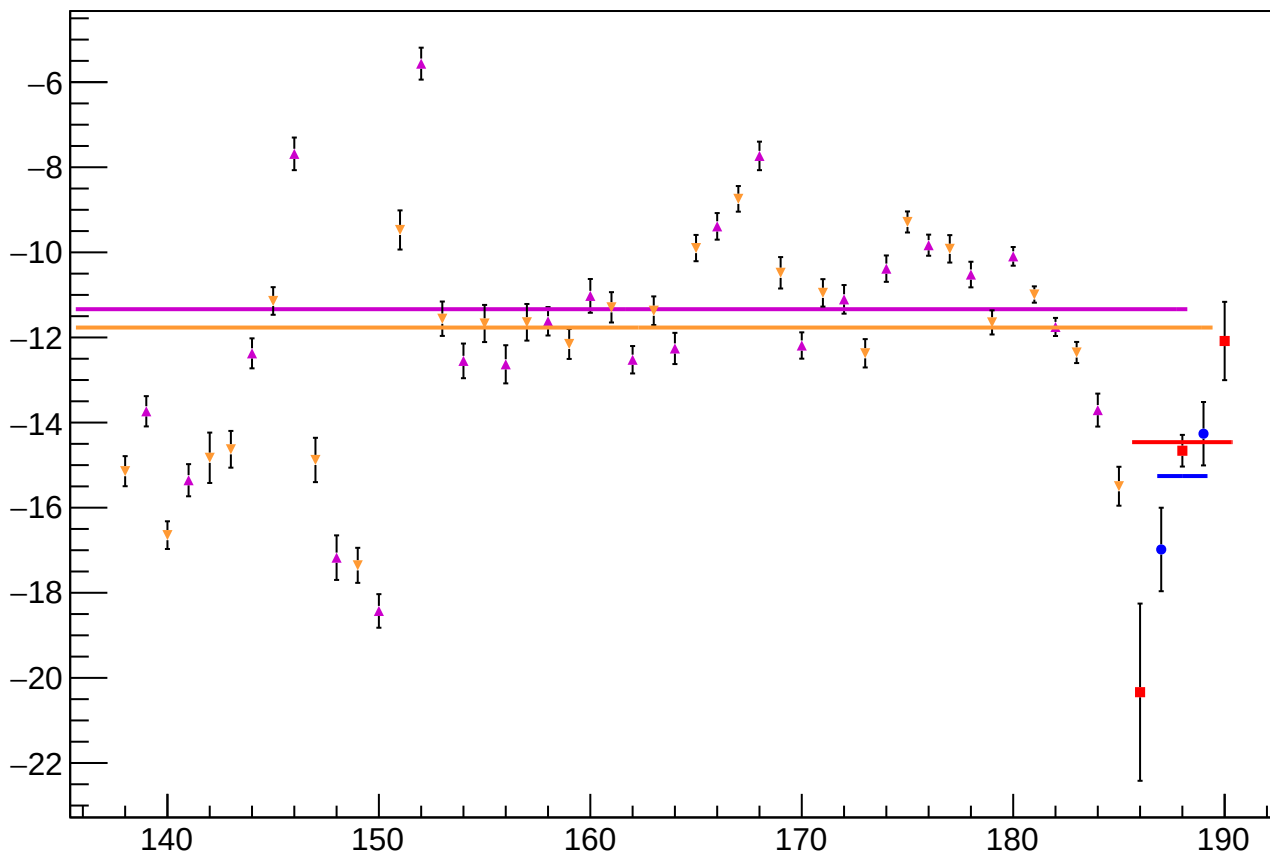
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.497 ± 0.007 χ^2/NDF : 1753.3/43

All: -0.484 ± 0.005 χ^2/NDF : 4368.6/88

- sign -0.471 ± 0.007 χ^2/NDF : 2608.7/44

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



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: -14.460 ± 0.340 χ^2/NDF : 14.9/2

Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -11.810 ± 0.066 χ^2/NDF : 1059.9/26

All: -11.634 ± 0.047 χ^2/NDF : 2439.3/52

- sign -11.456 ± 0.067 χ^2/NDF : 1365.3/25

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



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: -34.328 ± 0.144 χ^2/NDF : 1681.1/21

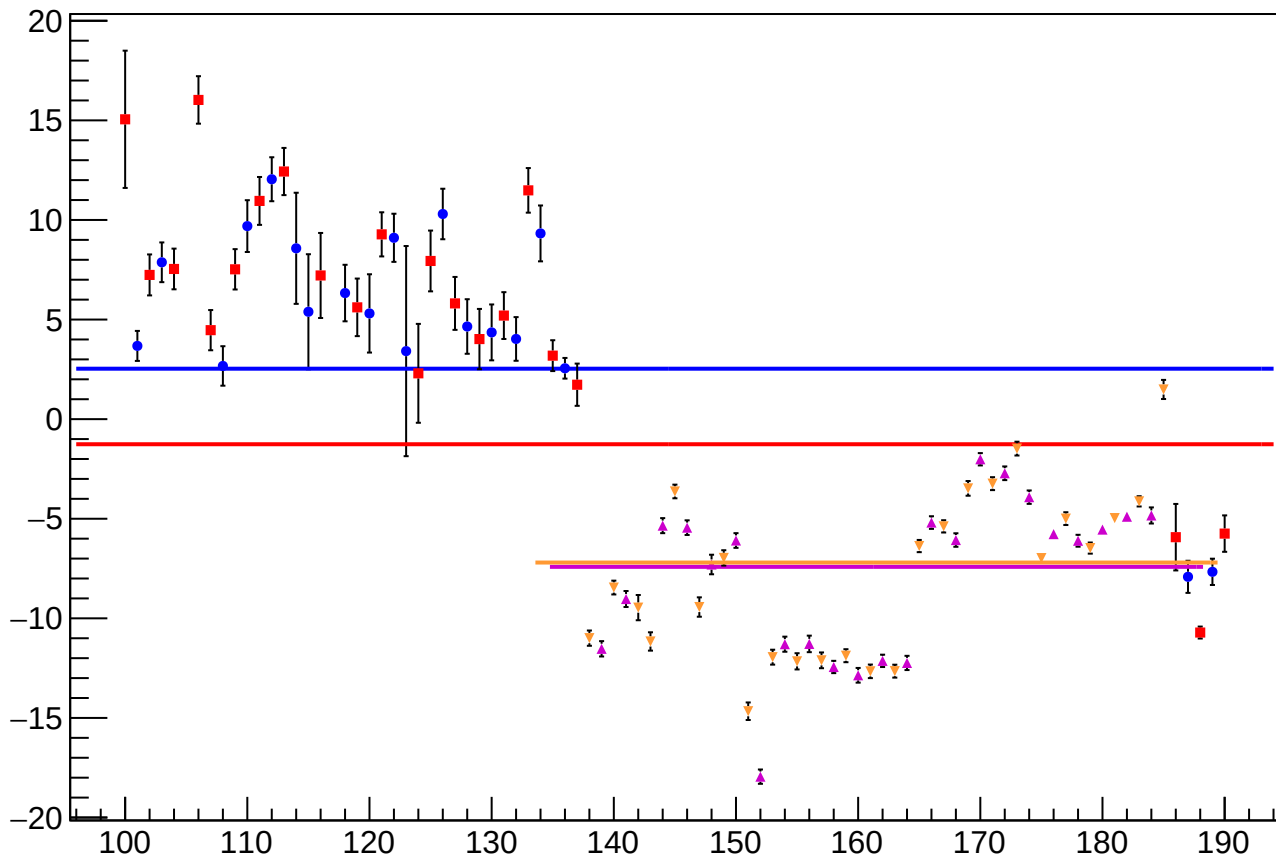
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.679 ± 0.051 χ^2/NDF : 2763.4/43

All: -30.674 ± 0.036 χ^2/NDF : 6415.0/88

- sign -30.669 ± 0.052 χ^2/NDF : 3651.6/44

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 2.533 ± 0.239 χ^2/NDF : 653.8/18

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -1.260 ± 0.197 χ^2/NDF : 2151.2/21

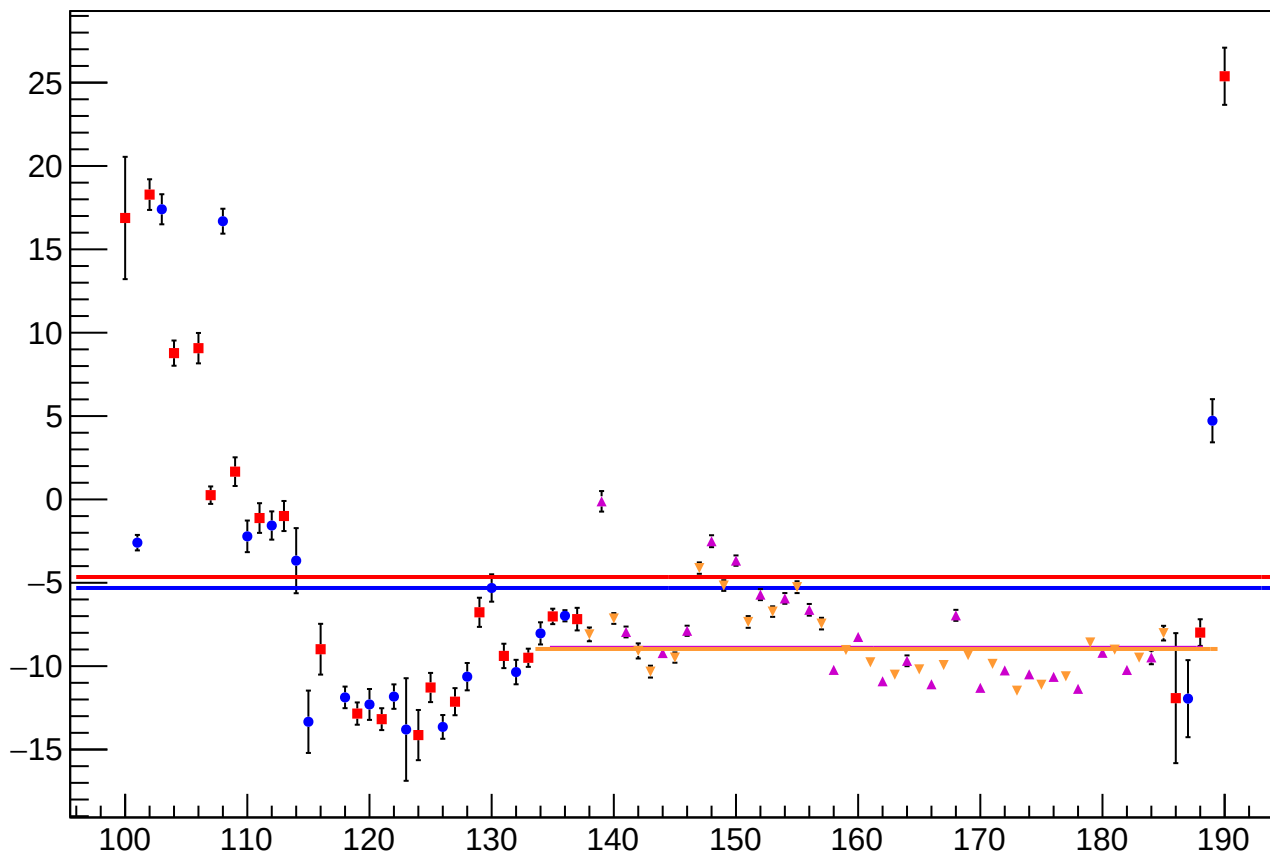
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.493 ± 0.064 χ^2/NDF : 5226.5/43

All: -6.627 ± 0.045 χ^2/NDF : 11385.9/88

- sign -6.759 ± 0.064 χ^2/NDF : 6150.8/44

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.312 ± 0.169 χ^2/NDF : 2166.0/18

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -4.653 ± 0.168 χ^2/NDF : 2375.8/21

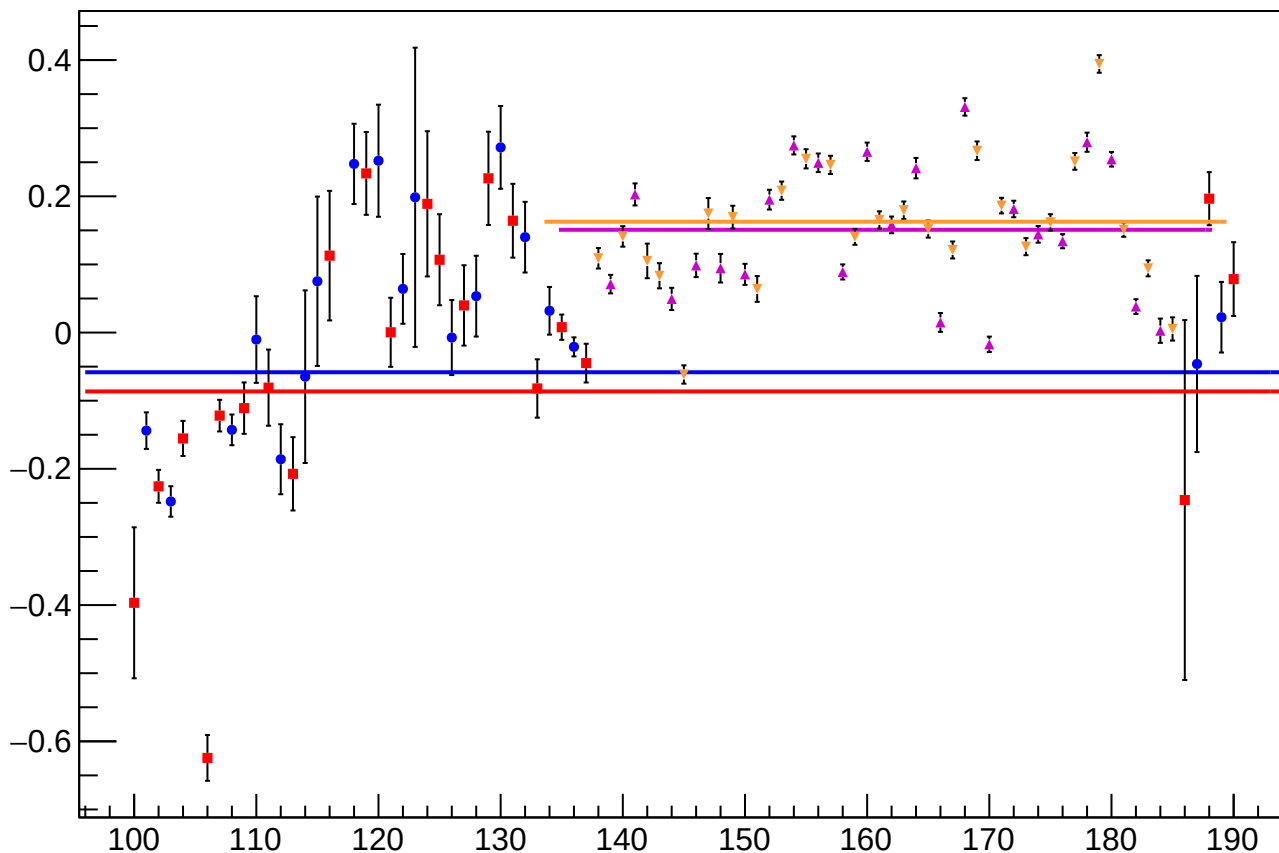
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.559 ± 0.057 χ^2/NDF : 3460.1/43

All: -8.480 ± 0.040 χ^2/NDF : 7935.4/88

- sign -8.398 ± 0.058 χ^2/NDF : 4471.3/44

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.058±/0.008 χ^2/NDF : 217.0/18

Left Out: 0.163±/0.003 χ^2/NDF : 1018.1/24

Right Out: -0.086±/0.008 χ^2/NDF : 499.5/21

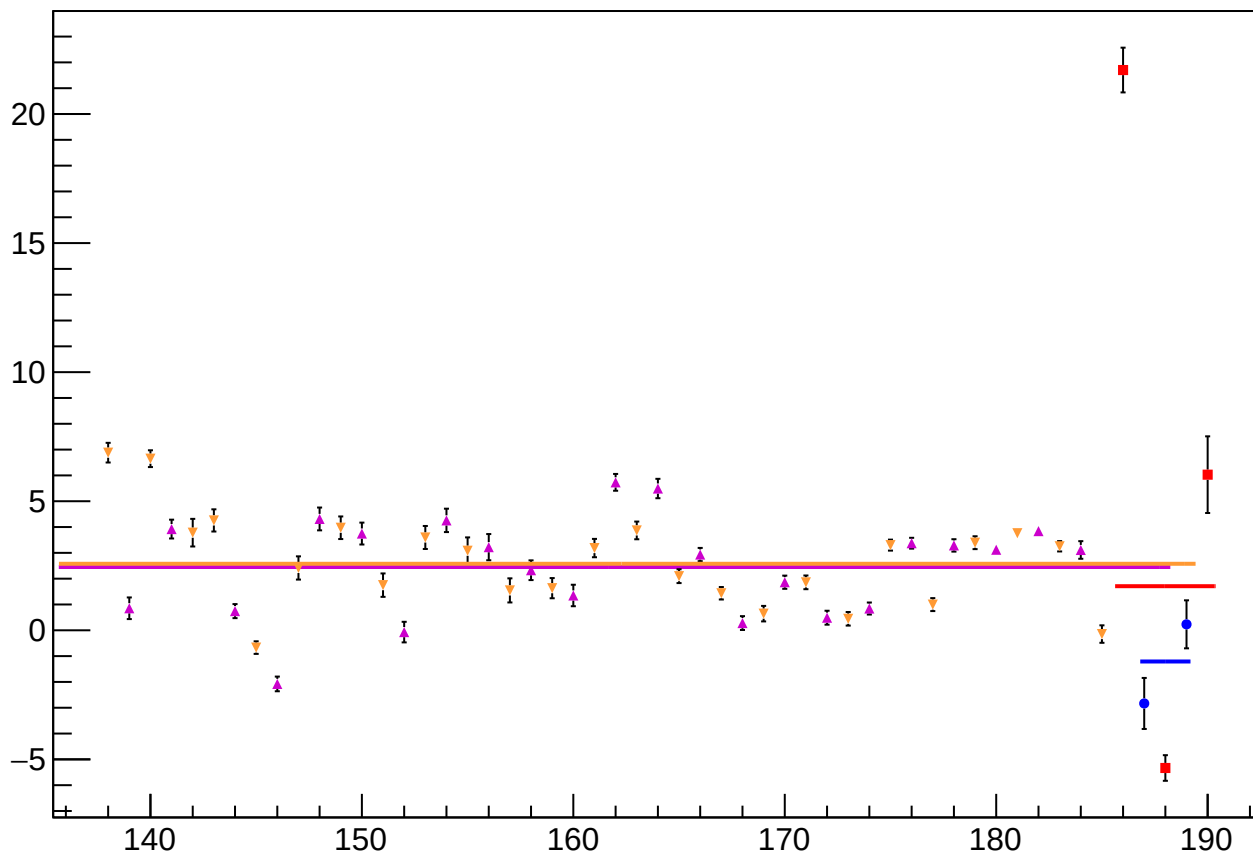
Left In: 0.151±/0.003 χ^2/NDF : 1286.5/22

+ sign 0.141±/0.003 χ^2/NDF : 1877.1/43

All: 0.134±/0.002 χ^2/NDF : 4438.7/88

- sign 0.126±/0.003 χ^2/NDF : 2545.8/44

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -1.208 ± 0.677 $\chi^2/\text{NDF}: 5.1/1$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 1.708 ± 0.414 $\chi^2/\text{NDF}: 742.3/2$

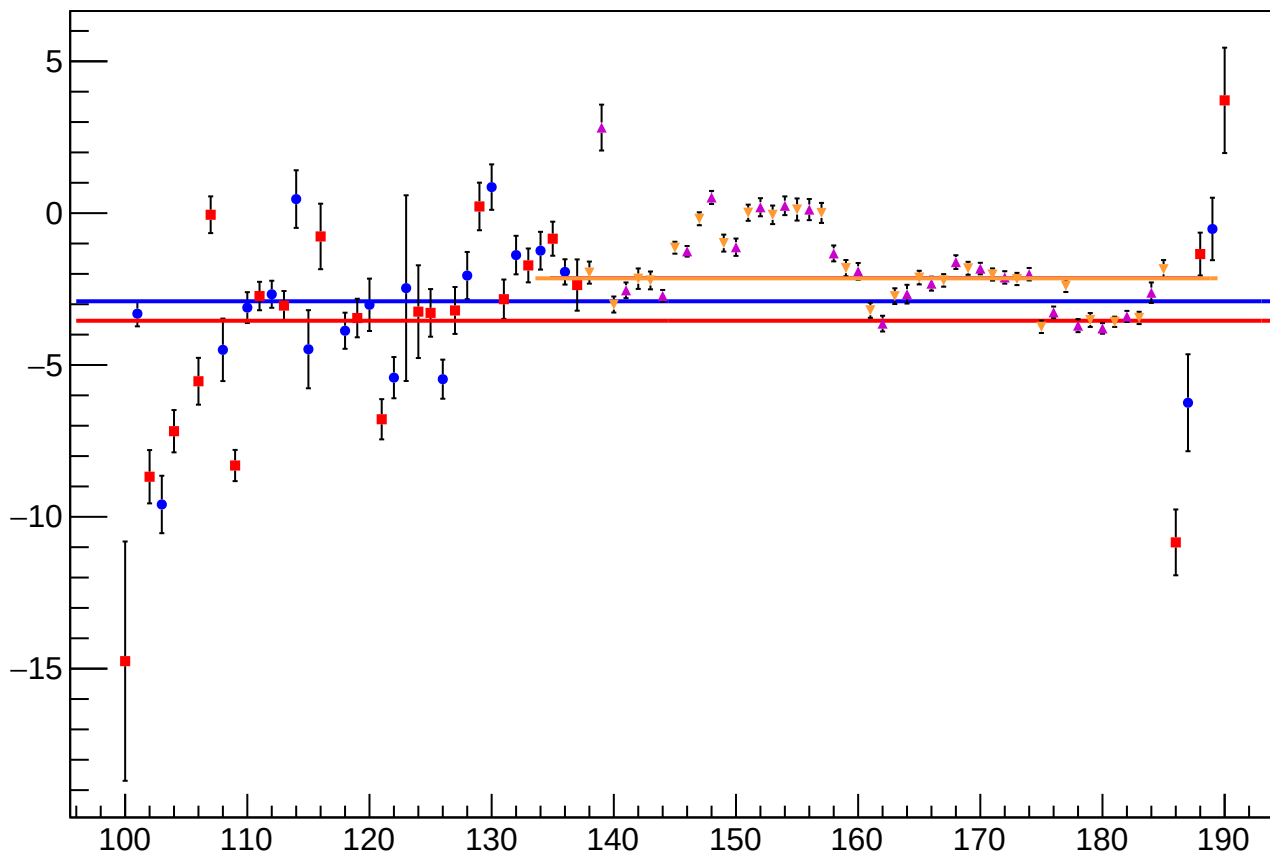
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.549 ± 0.058 $\chi^2/\text{NDF}: 903.6/26$

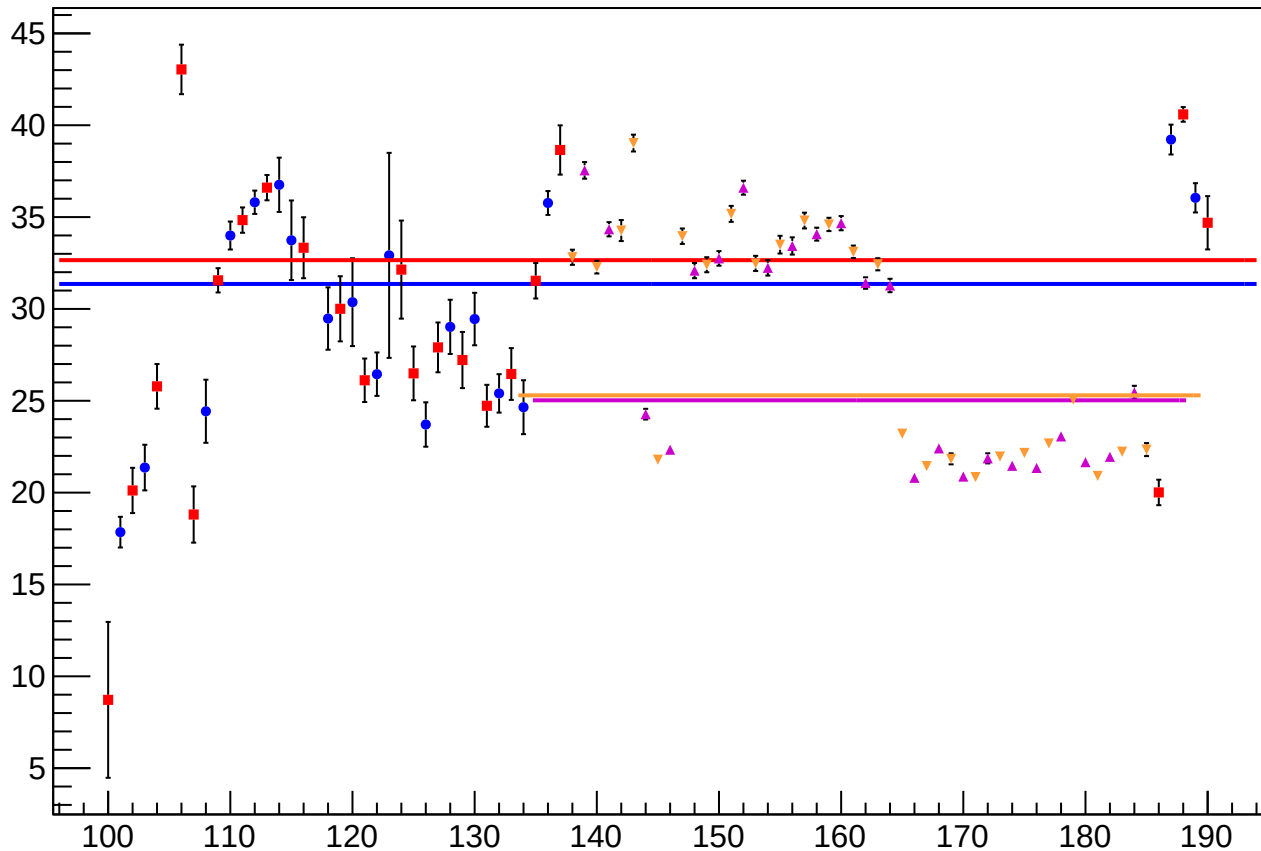
All: 2.494 ± 0.041 $\chi^2/\text{NDF}: 2522.1/52$

- sign 2.437 ± 0.059 $\chi^2/\text{NDF}: 1616.7/25$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 31.360 $\pm$ 0.242 χ^2 /NDF: 709.0/18

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 32.655 $\pm$ 0.206 χ^2 /NDF: 1246.4/21

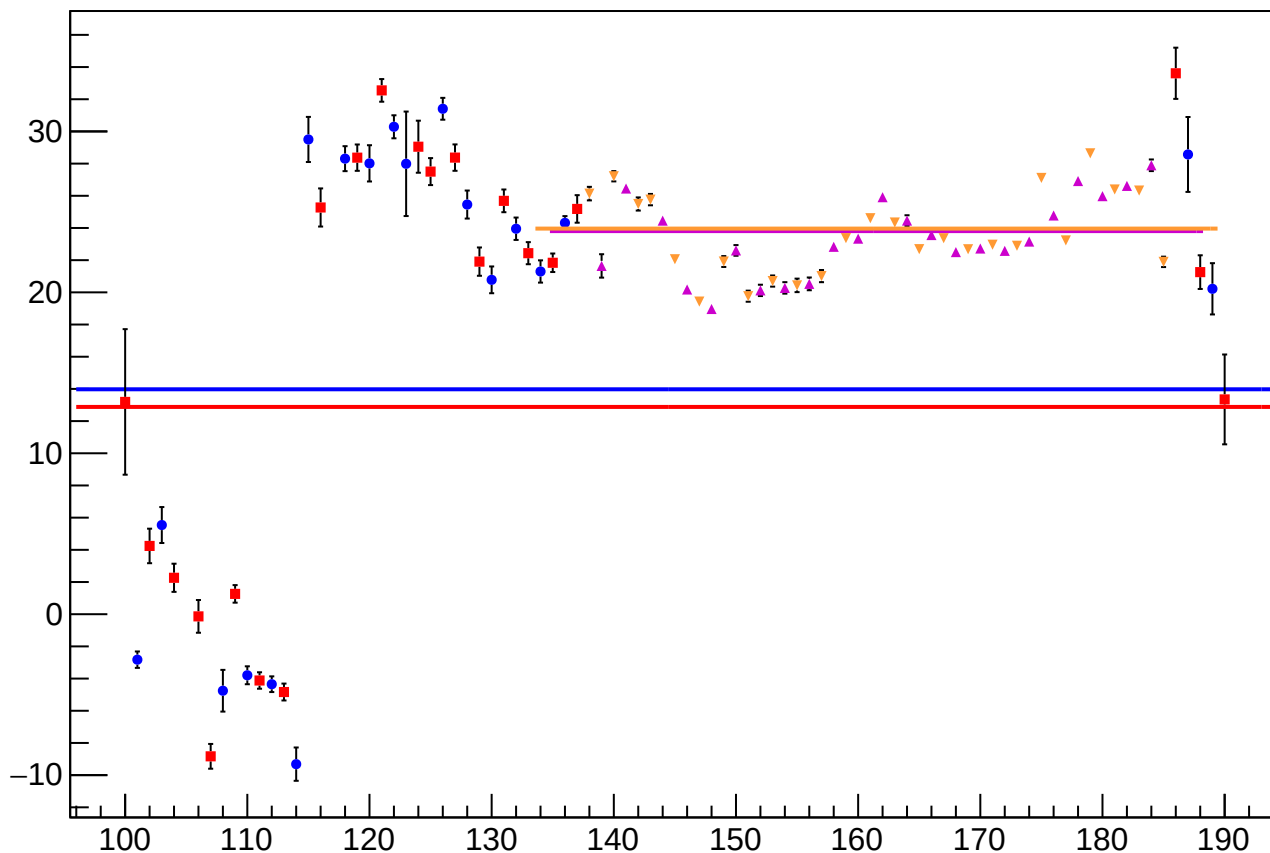
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.634 $\pm$ 0.057 χ^2 /NDF: 9572.9/43

All: 25.624 $\pm$ 0.040 χ^2 /NDF: 19694.9/88

- sign 25.614 $\pm$ 0.057 χ^2 /NDF: 10121.9/44

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.976 $\pm$ 0.172 χ^2 /NDF: 7330.2/18

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.880 $\pm$ 0.170 χ^2 /NDF: 7194.3/21

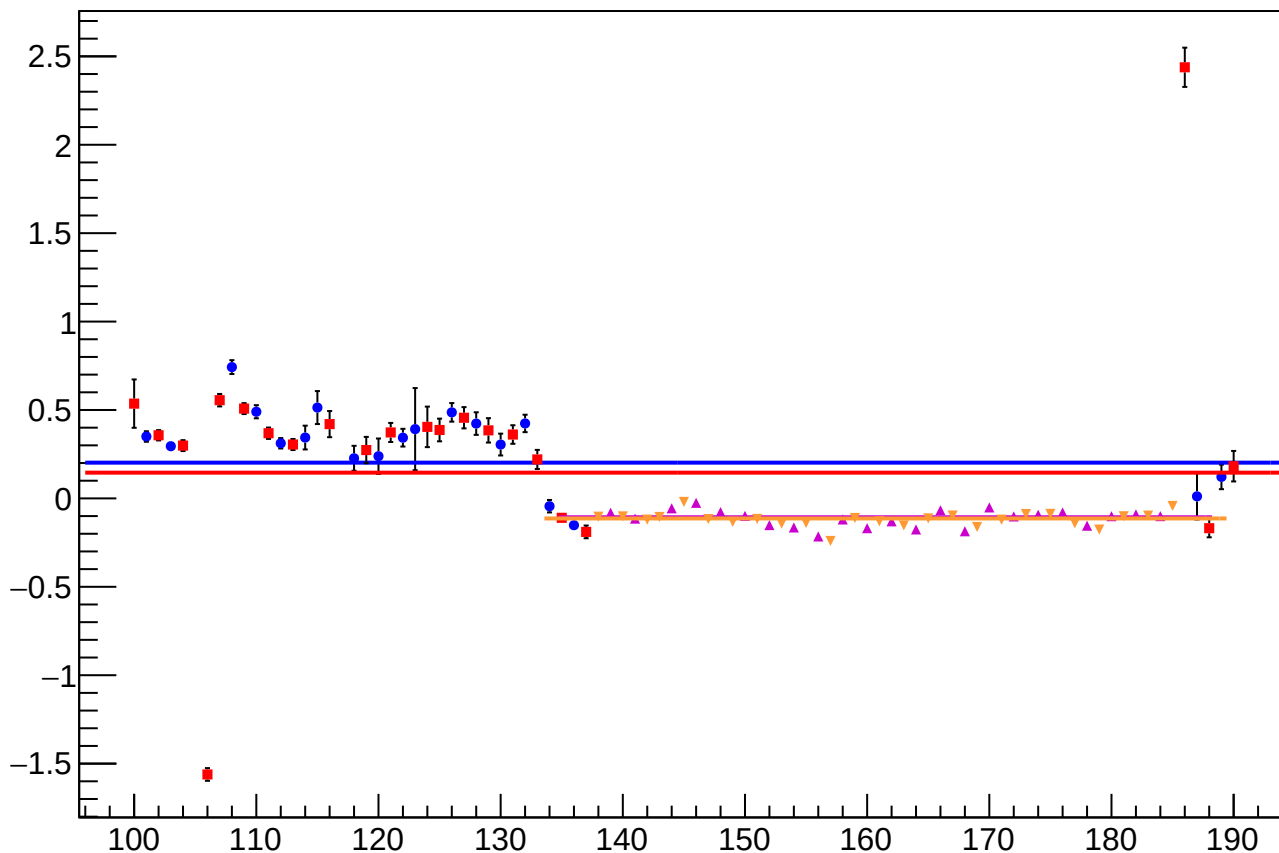
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.087 $\pm$ 0.051 χ^2 /NDF: 12344.3/43

All: 22.949 $\pm$ 0.036 χ^2 /NDF: 25052.8/88

- sign 22.806 $\pm$ 0.052 χ^2 /NDF: 12693.3/44

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.202+/-0.009 χ^2/NDF : 850.0/18

Left Out: -0.113+/-0.002 χ^2/NDF : 291.0/24

Right Out: 0.146+/-0.009 χ^2/NDF : 3478.3/21

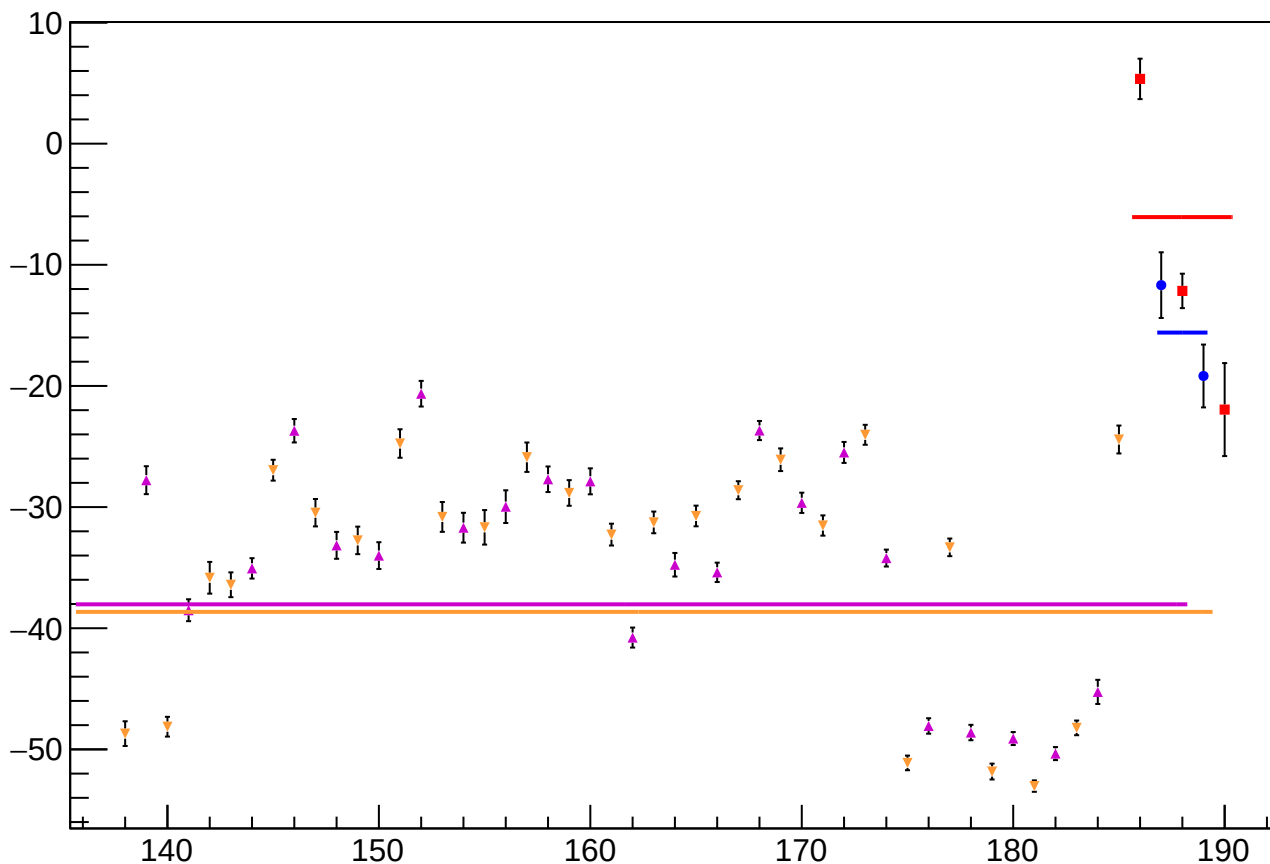
Left In: -0.107+/-0.002 χ^2/NDF : 321.8/22

+ sign -0.093+/-0.002 χ^2/NDF : 2224.6/43

All: -0.091+/-0.002 χ^2/NDF : 6758.3/88

- sign -0.089+/-0.002 χ^2/NDF : 4532.1/44

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -15.594 ± 1.874 $\chi^2/\text{NDF}: 4.0/1$

Left Out: -38.650 ± 0.169 $\chi^2/\text{NDF}: 4077.2/24$

Right Out: -6.063 ± 1.041 $\chi^2/\text{NDF}: 82.2/2$

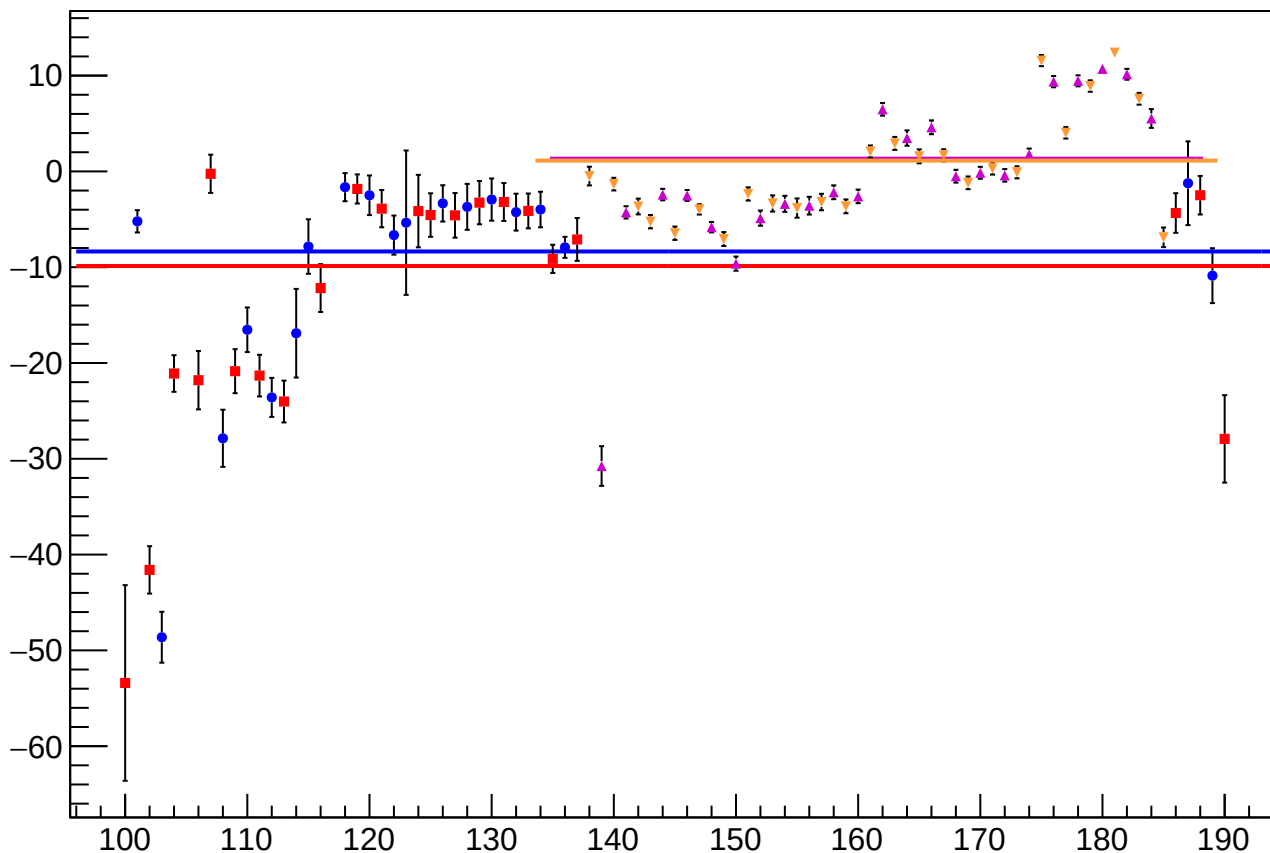
Left In: -38.027 ± 0.173 $\chi^2/\text{NDF}: 3091.9/22$

+ sign -38.463 ± 0.168 $\chi^2/\text{NDF}: 4231.4/26$

All: -37.825 ± 0.120 $\chi^2/\text{NDF}: 8351.4/52$

- sign -37.167 ± 0.171 $\chi^2/\text{NDF}: 4090.8/25$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



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: -9.879 $\pm$ 0.463 χ^2/NDF : 467.3/21

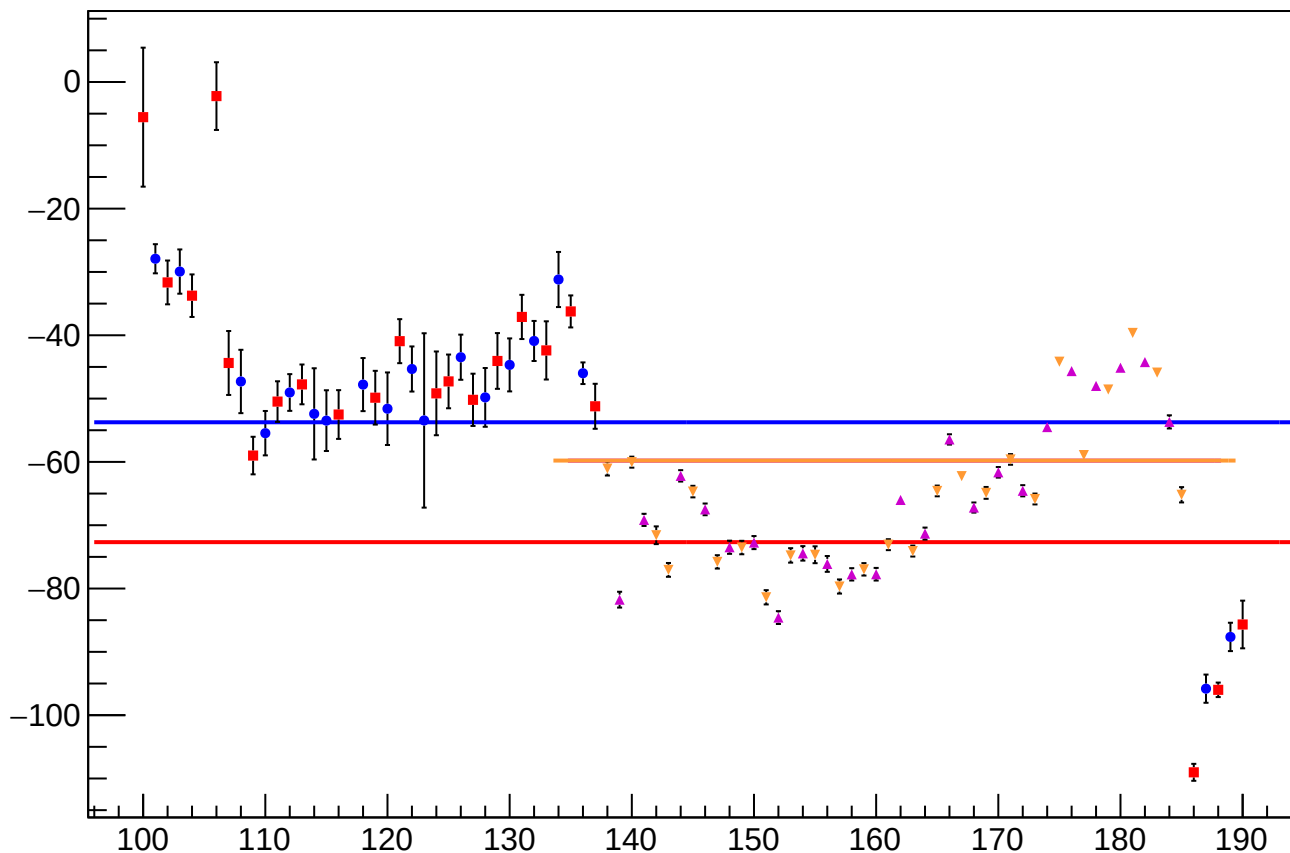
Left In: 1.329 $\pm$ 0.140 χ^2/NDF :2048.0/22

+ sign 0.361 $\pm$ 0.130 χ^2/NDF : 2605.8/43

All: 0.376 $\pm$ 0.093 χ^2/NDF : 5658.2/88

- sign 0.392 $\pm$ 0.134 χ^2/NDF : 3052.4/44

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -53.741 ± 0.741 χ^2/NDF : 848.1/18

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -72.673 ± 0.607 χ^2/NDF : 2464.7/21

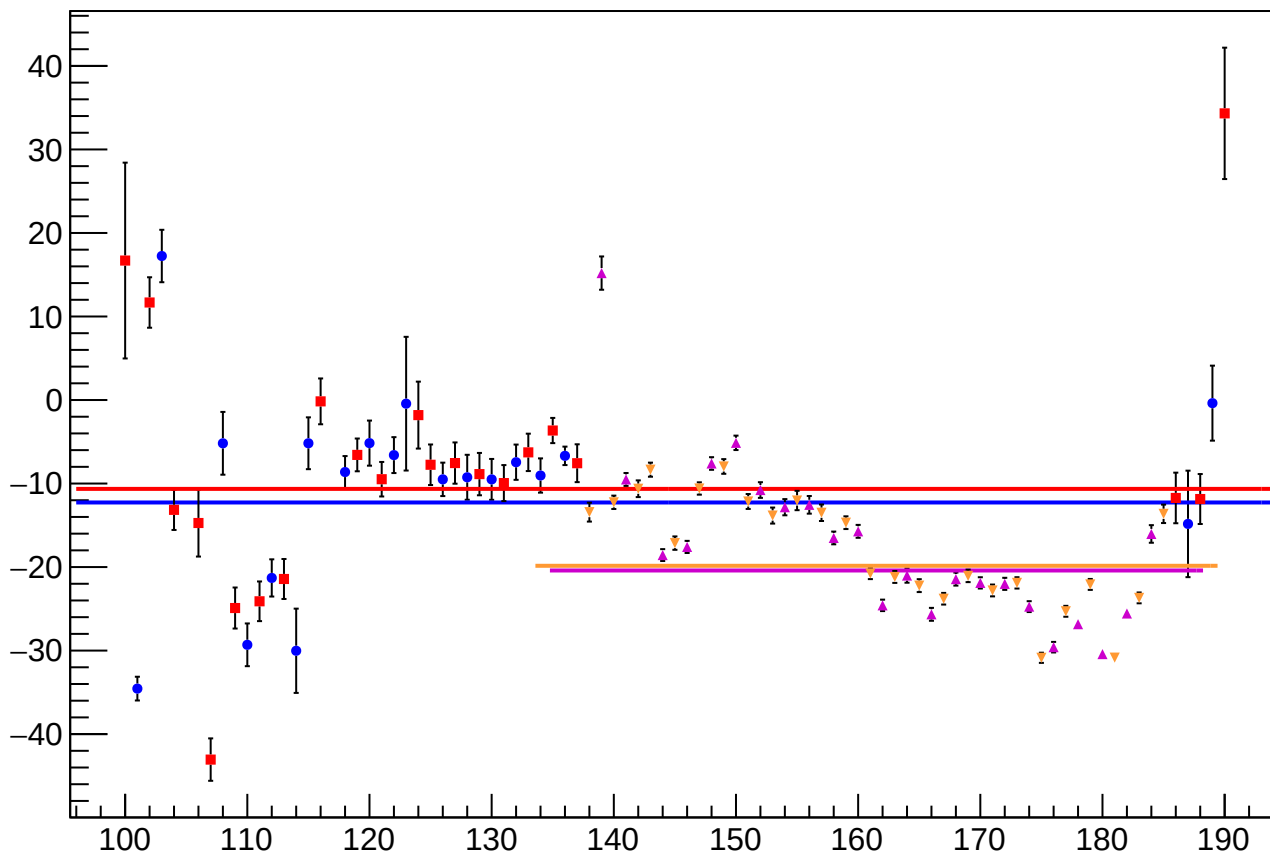
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.485 ± 0.166 χ^2/NDF : 6749.2/43

All: -60.126 ± 0.118 χ^2/NDF : 14877.6/88

- sign -60.773 ± 0.167 χ^2/NDF : 8098.4/44

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.268 ± 0.519 χ^2/NDF : 480.8/18

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -10.640 ± 0.535 χ^2/NDF : 399.0/21

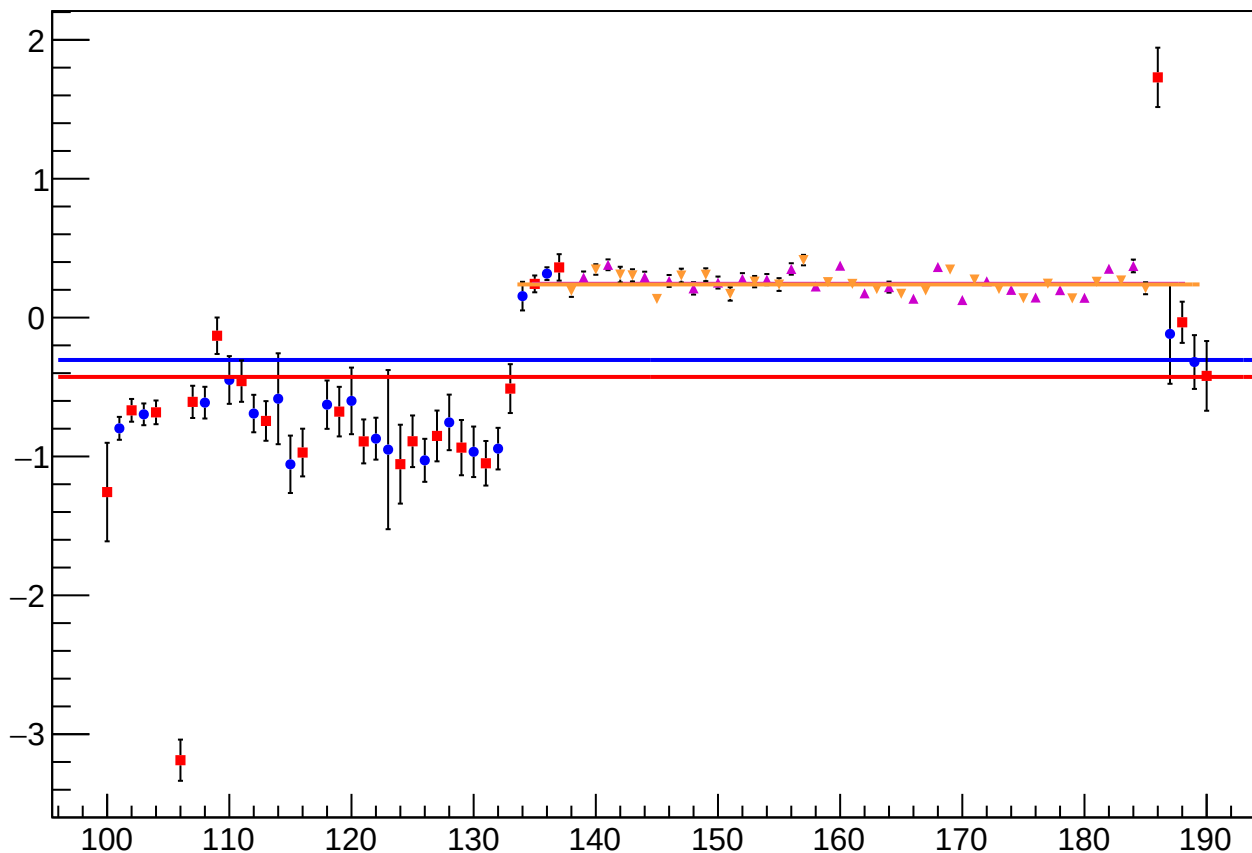
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.242 ± 0.147 χ^2/NDF : 2608.7/43

All: -19.436 ± 0.105 χ^2/NDF : 5619.8/88

- sign -19.640 ± 0.150 χ^2/NDF : 3007.6/44

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.305 ± 0.027 χ^2/NDF : 372.0/18

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.427 ± 0.028 χ^2/NDF : 740.1/21

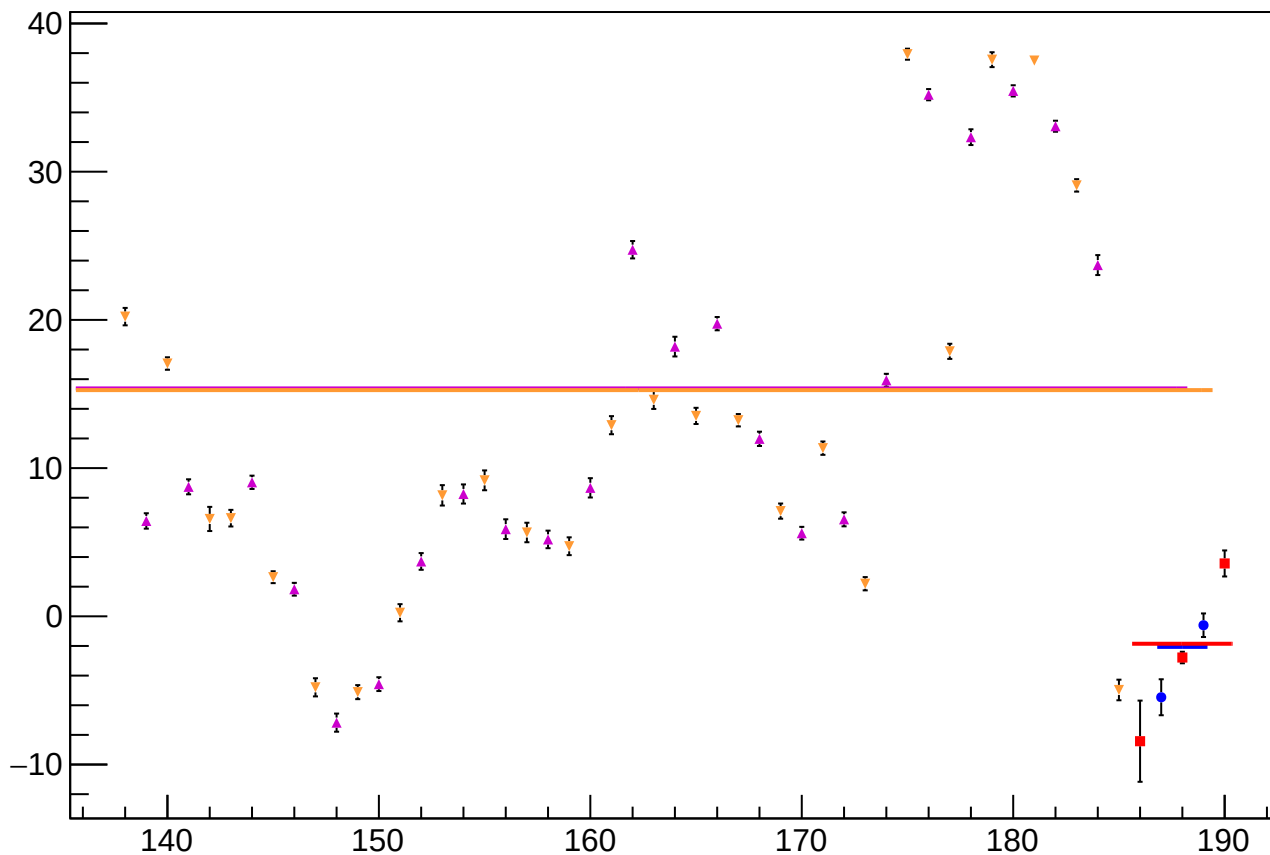
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.205 ± 0.007 χ^2/NDF : 839.0/43

All: 0.203 ± 0.005 χ^2/NDF : 2267.0/88

- sign 0.201 ± 0.007 χ^2/NDF : 1427.9/44

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



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: -1.851 ± 0.353 $\chi^2/\text{NDF}: 49.5/2$

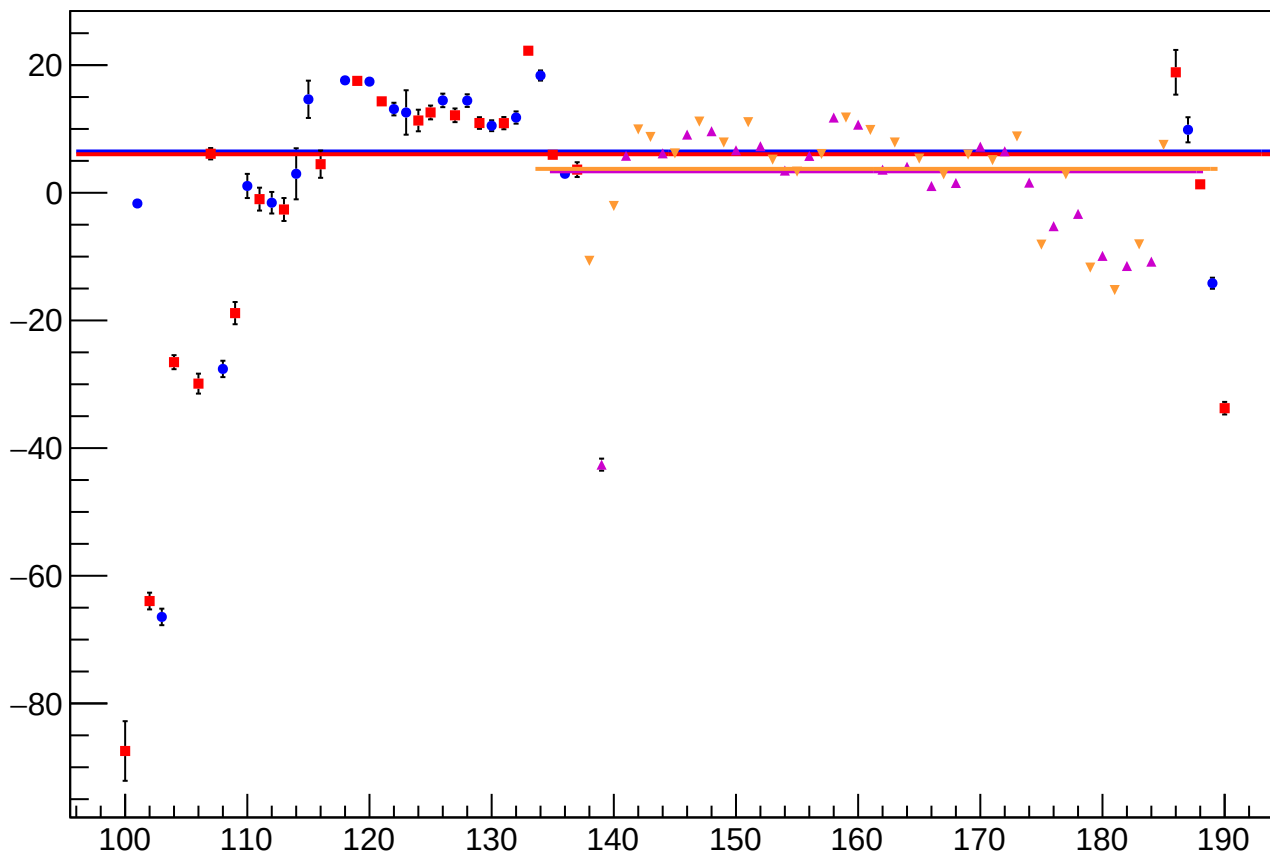
Left In: 15.377 ± 0.103 $\chi^2/\text{NDF}: 16268.9/22$

+ sign 14.876 ± 0.099 $\chi^2/\text{NDF}: 19849.3/26$

All: 14.449 ± 0.070 $\chi^2/\text{NDF}: 38403.9/52$

- sign 14.029 ± 0.099 $\chi^2/\text{NDF}: 18518.0/25$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 6.469 ± 0.210 $\chi^2/\text{NDF}: 5904.5/18$

Left Out: 3.746 ± 0.079 $\chi^2/\text{NDF}: 9247.4/24$

Right Out: 6.039 ± 0.196 $\chi^2/\text{NDF}: 8568.6/21$

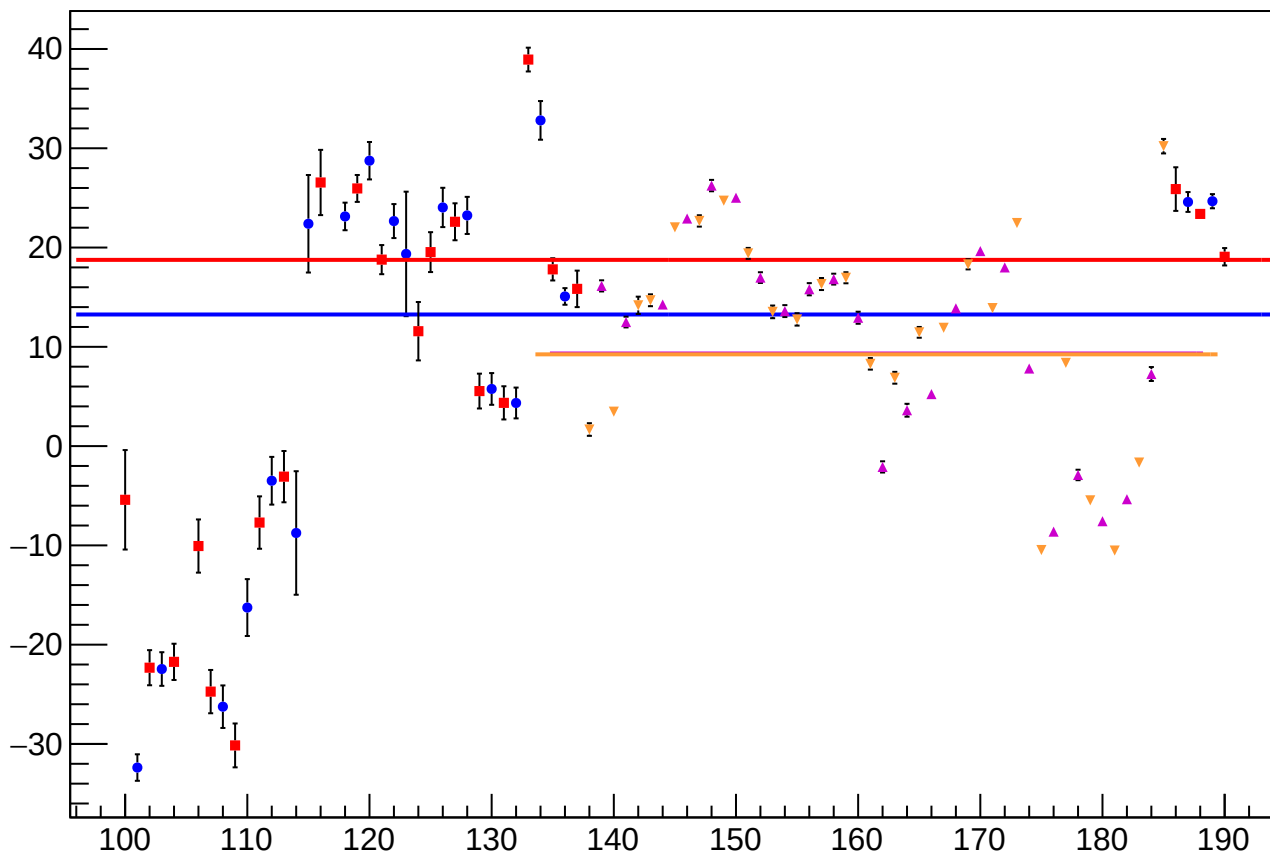
Left In: 3.365 ± 0.081 $\chi^2/\text{NDF}: 8527.0/22$

+ sign 4.080 ± 0.074 $\chi^2/\text{NDF}: 15298.8/43$

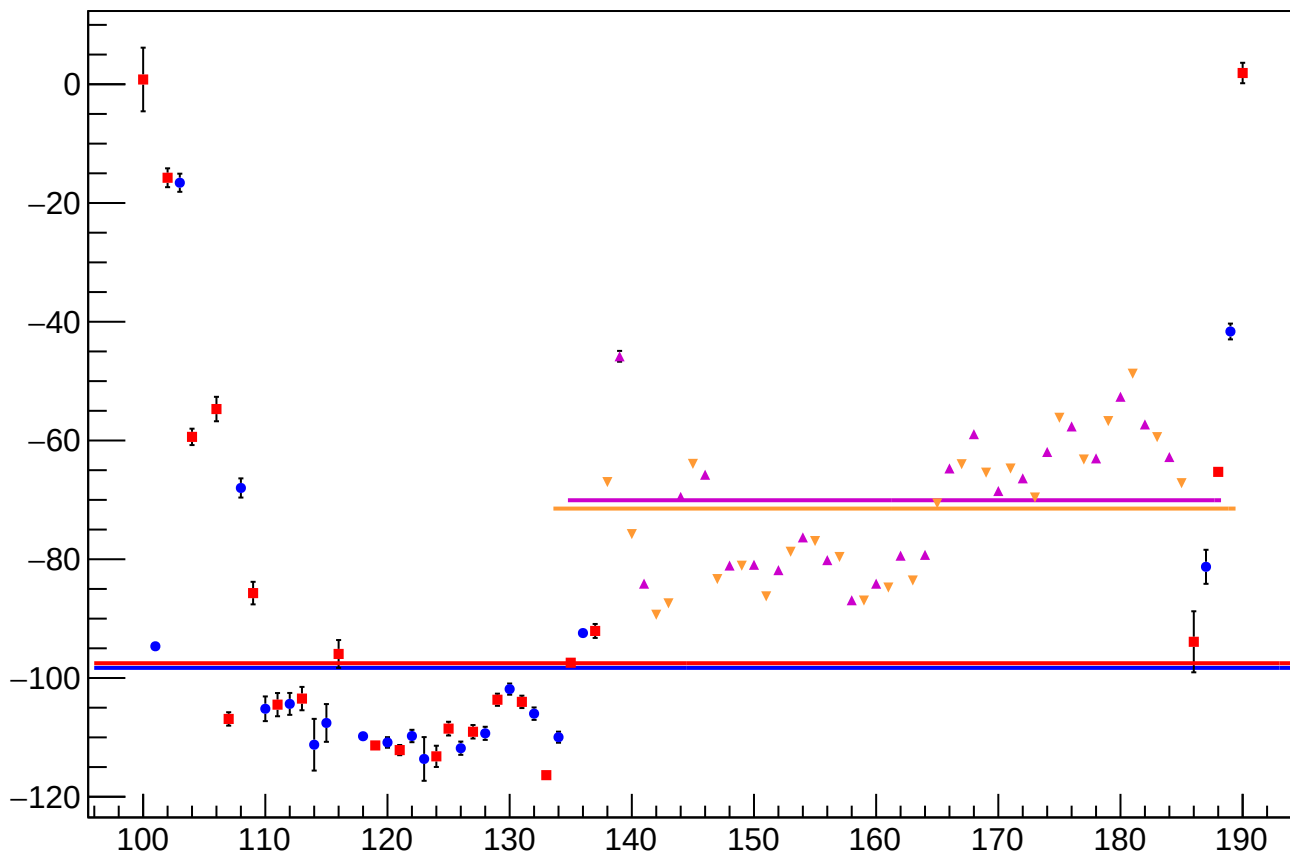
All: 3.922 ± 0.053 $\chi^2/\text{NDF}: 32563.0/88$

- sign 3.758 ± 0.075 $\chi^2/\text{NDF}: 17254.8/44$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -98.293 ± 0.246 $\chi^2/\text{NDF}: 6380.5/18$

Left Out: -71.465 ± 0.089 $\chi^2/\text{NDF}: 16409.7/24$

Right Out: -97.512 ± 0.234 $\chi^2/\text{NDF}: 11344.4/21$

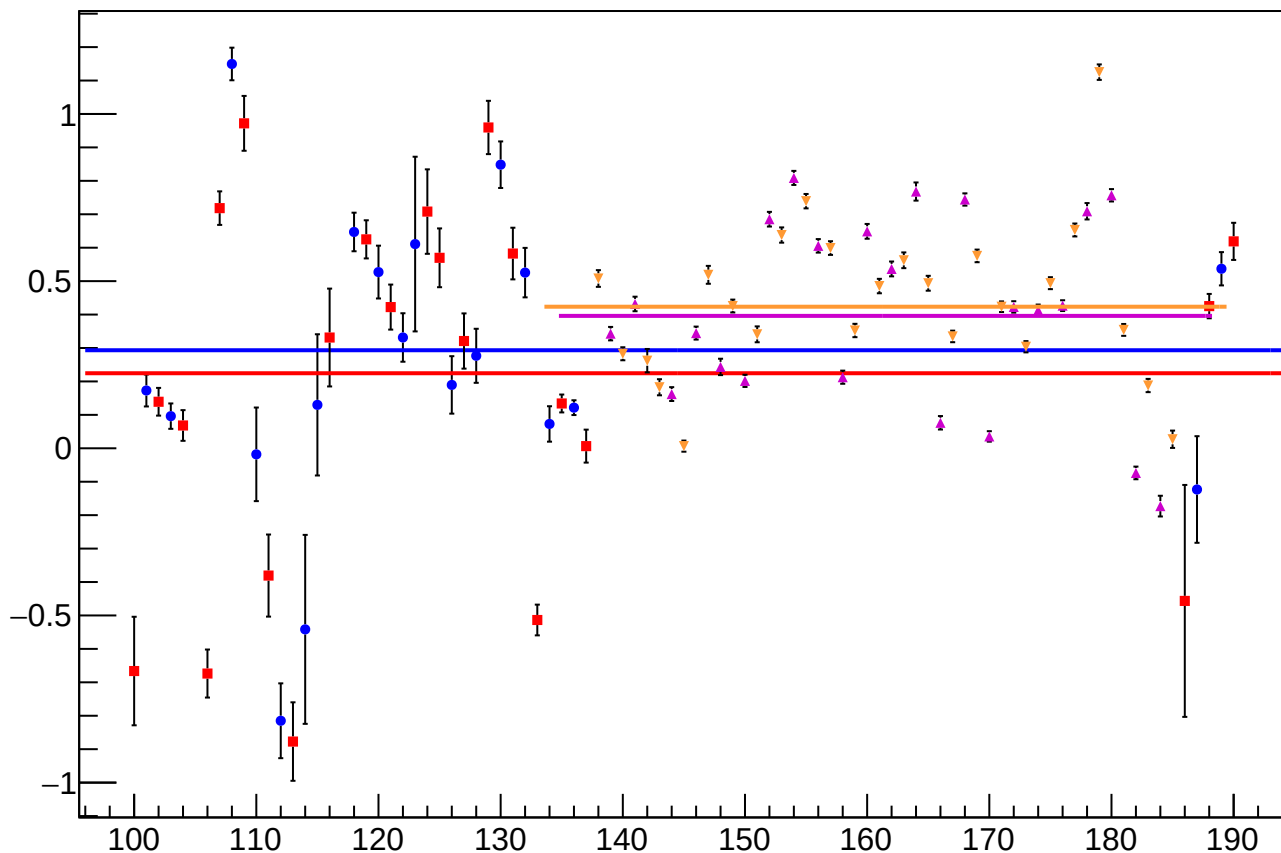
Left In: -70.061 ± 0.092 $\chi^2/\text{NDF}: 13058.5/22$

+ sign -74.593 ± 0.084 $\chi^2/\text{NDF}: 33315.9/43$

All: -74.163 ± 0.060 $\chi^2/\text{NDF}: 69706.7/88$

- sign -73.719 ± 0.085 $\chi^2/\text{NDF}: 36337.5/44$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.293 ± 0.013 χ^2/NDF : 685.5/18

Left Out: 0.424 ± 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.225 ± 0.012 χ^2/NDF : 1064.4/21

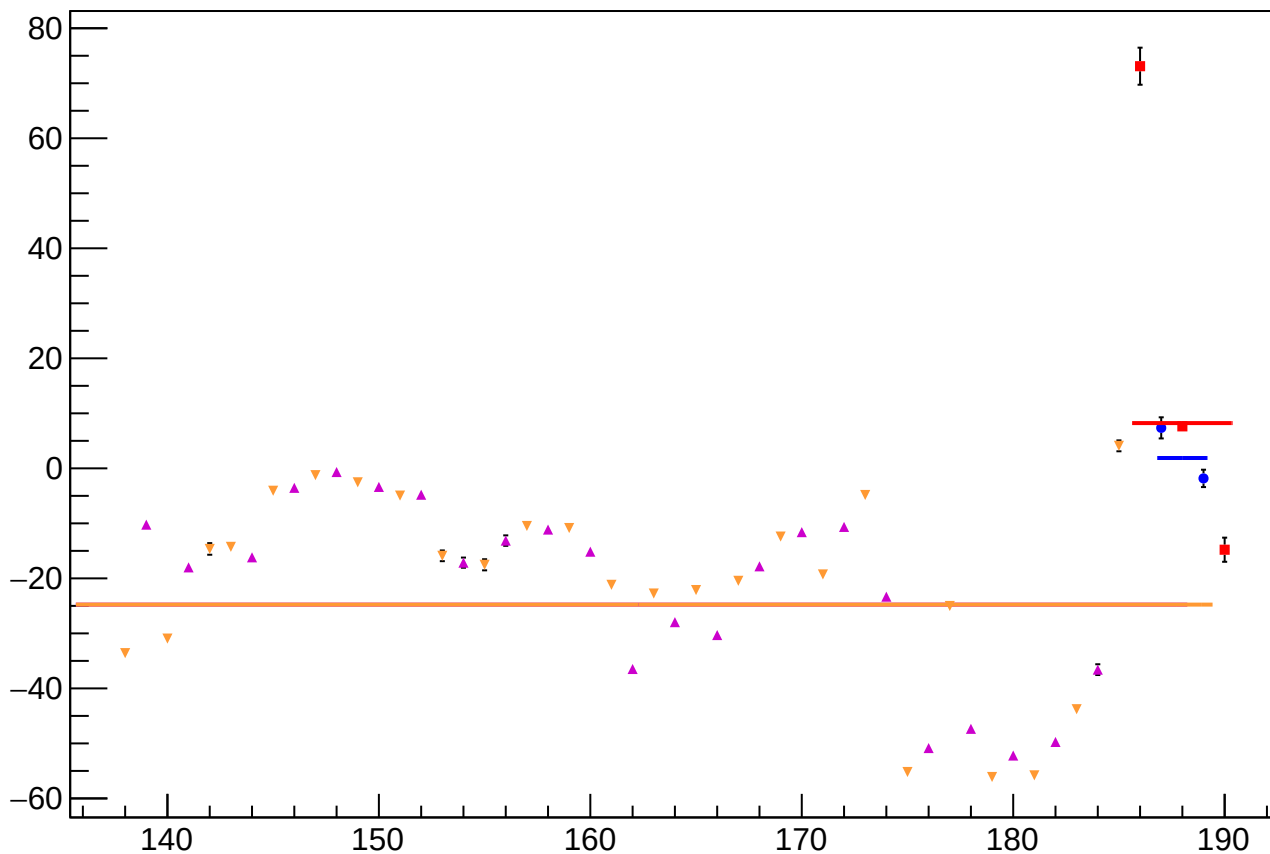
Left In: 0.396 ± 0.004 χ^2/NDF : 4051.5/22

+ sign 0.412 ± 0.004 χ^2/NDF : 3661.6/43

All: 0.395 ± 0.003 χ^2/NDF : 8987.2/88

- sign 0.378 ± 0.004 χ^2/NDF : 5289.7/44

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: 1.881 ± 1.220 $\chi^2/\text{NDF}: 13.6/1$

Left Out: -24.769 ± 0.139 $\chi^2/\text{NDF}: 18318.8/24$

Right Out: 8.228 ± 0.734 $\chi^2/\text{NDF}: 481.6/2$

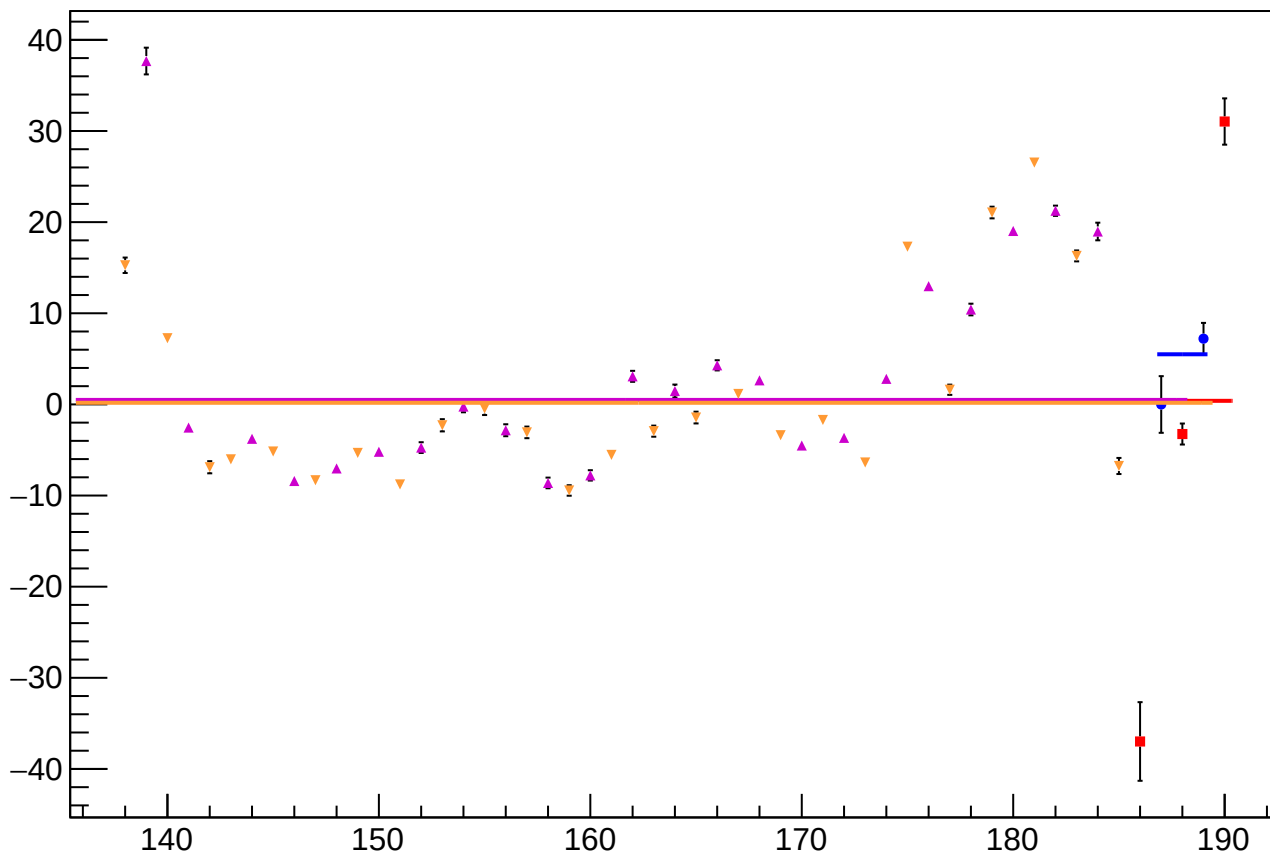
Left In: -24.775 ± 0.143 $\chi^2/\text{NDF}: 14807.4/22$

+ sign -24.425 ± 0.138 $\chi^2/\text{NDF}: 18803.5/26$

All: -24.004 ± 0.099 $\chi^2/\text{NDF}: 36058.9/52$

- sign -23.572 ± 0.140 $\chi^2/\text{NDF}: 17236.6/25$

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 5.500 $\pm$ 1.513 χ^2 /NDF: 4.1/1

Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF:8295.6/24

Right Out: 0.392 $\pm$ 1.020 χ^2 /NDF: 230.6/2

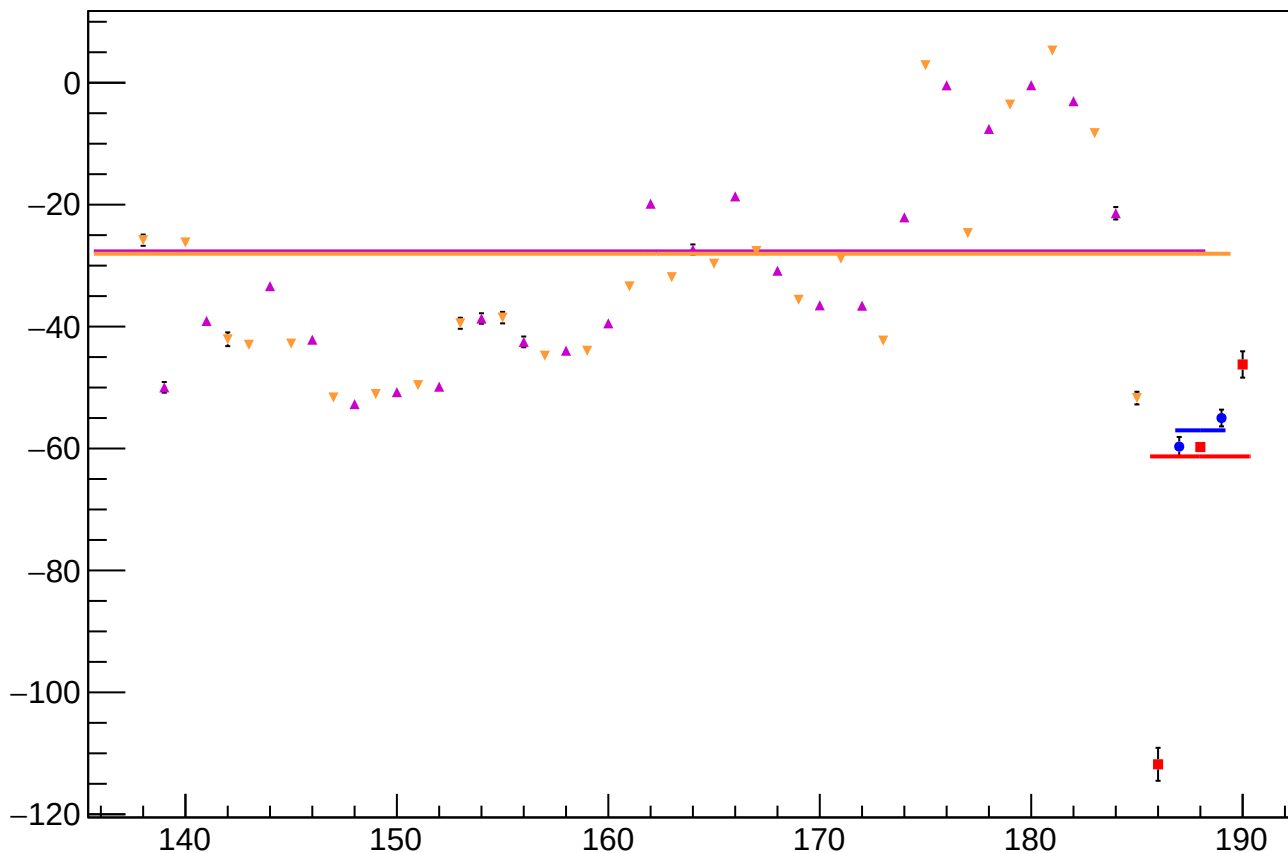
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF:6555.4/22

+ sign 0.205 $\pm$ 0.108 χ^2 /NDF: 8312.0/26

All: 0.344 $\pm$ 0.078 χ^2 /NDF: 15101.4/52

- sign 0.492 $\pm$ 0.111 χ^2 /NDF: 6786.0/25

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -57.020 ± 1.037 χ^2/NDF : 5.0/1

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -61.297 ± 0.605 χ^2/NDF : 402.8/2

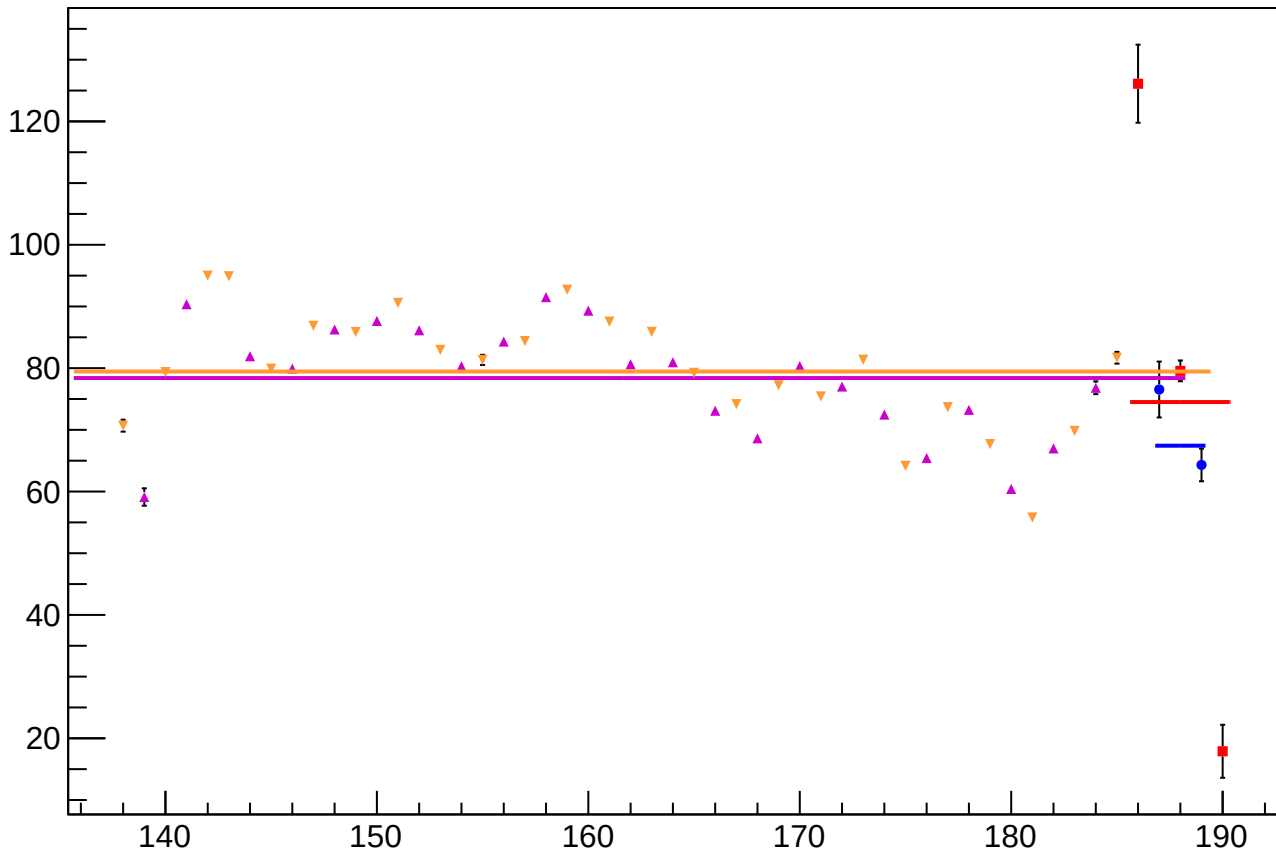
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -28.567 ± 0.139 χ^2/NDF : 17915.6/26

All: -29.001 ± 0.098 χ^2/NDF : 36273.0/52

- sign -29.435 ± 0.139 χ^2/NDF : 18337.8/25

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 67.432+/-2.287 χ^2/NDF : 5.4/1

Left Out: 79.456+/-0.123 χ^2/NDF : 6077.1/24

Right Out: 74.505+/-1.524 χ^2/NDF : 249.1/2

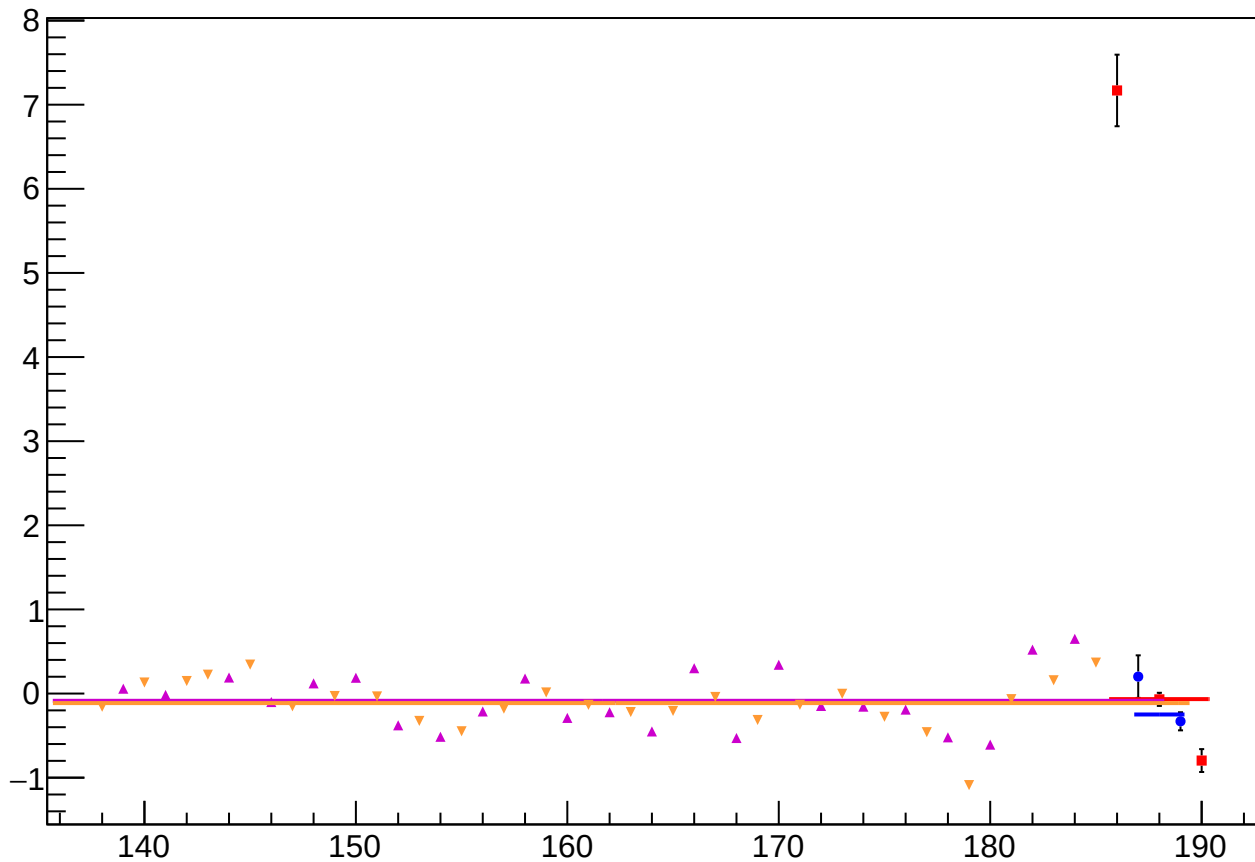
Left In: 78.396+/-0.127 χ^2/NDF : 4707.3/22

+ sign 79.421+/-0.123 χ^2/NDF : 6110.1/26

All: 78.909+/-0.088 χ^2/NDF : 11108.6/52

- sign 78.370+/-0.126 χ^2/NDF : 4962.9/25

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.249 ± 0.099 χ^2/NDF : 3.7/1

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.066 ± 0.067 χ^2/NDF : 318.1/2

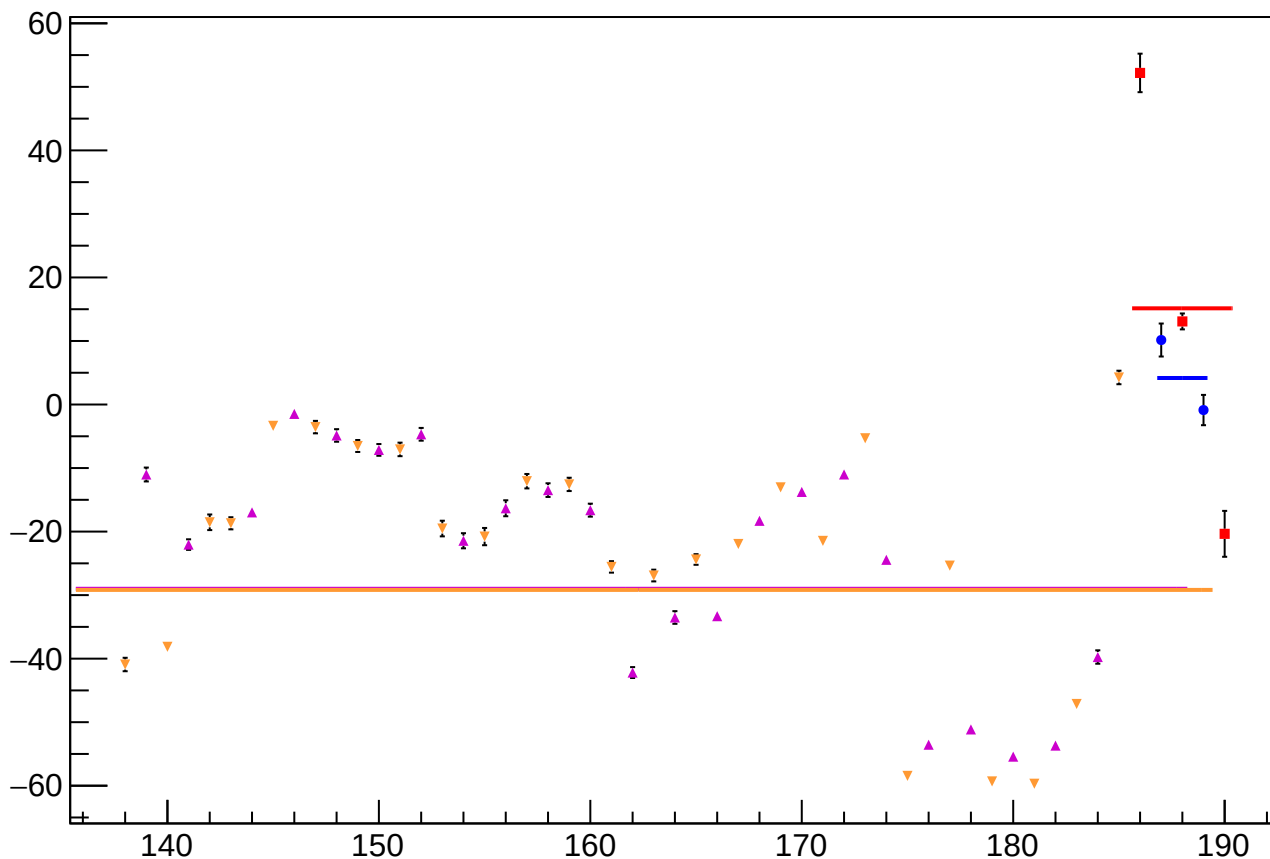
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.114 ± 0.006 χ^2/NDF : 2308.7/26

All: -0.100 ± 0.004 χ^2/NDF : 5770.8/52

- sign -0.086 ± 0.006 χ^2/NDF : 3450.3/25

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: 4.175 $\pm$ 1.756 χ^2 /NDF: 9.8/1

Left Out: -29.180 $\pm$ 0.157 χ^2 /NDF:16912.2/24

Right Out: 15.140 $\pm$ 1.102 χ^2 /NDF: 248.8/2

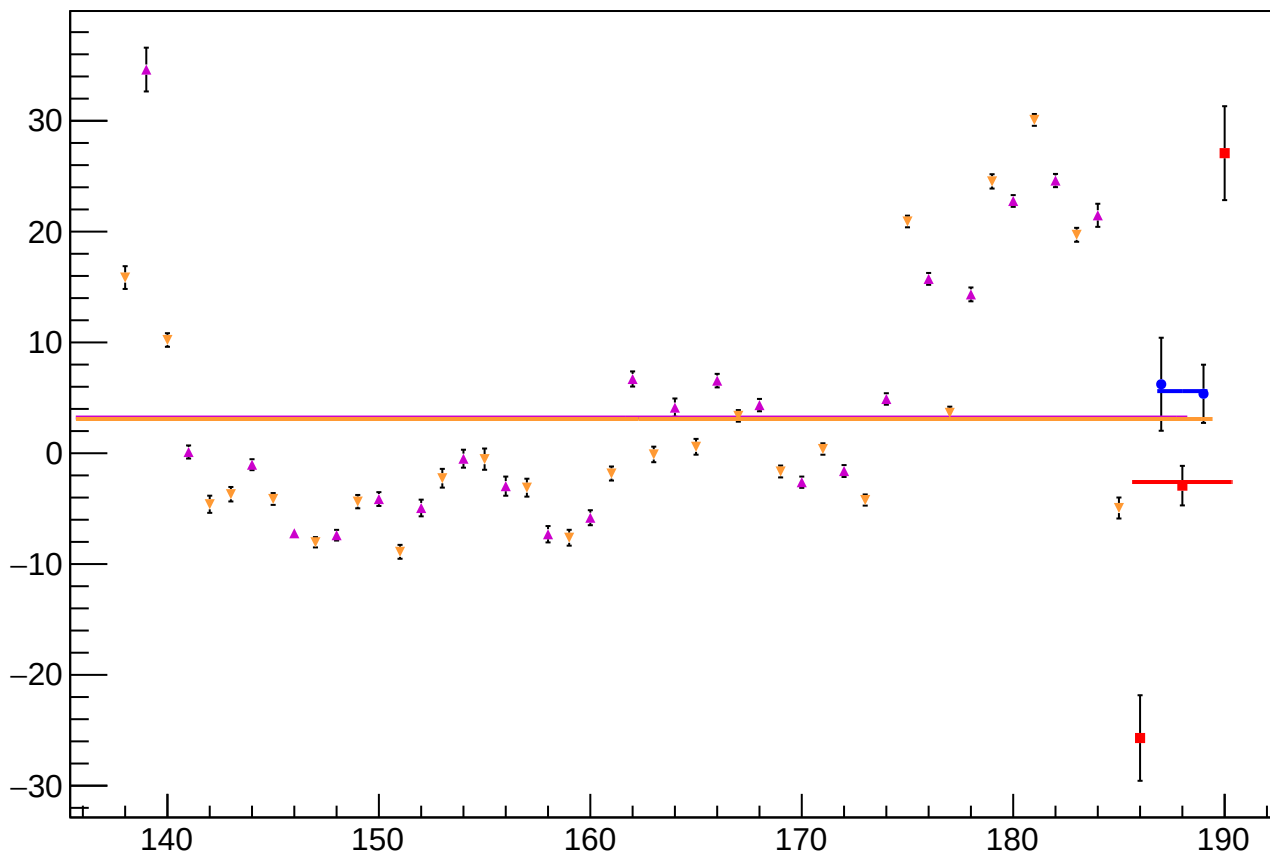
Left In: -29.003 $\pm$ 0.160 χ^2 /NDF:13416.8/22

+ sign -28.917 $\pm$ 0.156 χ^2 /NDF: 17279.8/26

All: -28.510 $\pm$ 0.111 χ^2 /NDF: 32530.3/52

- sign -28.094 $\pm$ 0.158 χ^2 /NDF: 15236.8/25

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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: -2.596 $\pm$ 1.513 χ^2 /NDF: 84.9/2

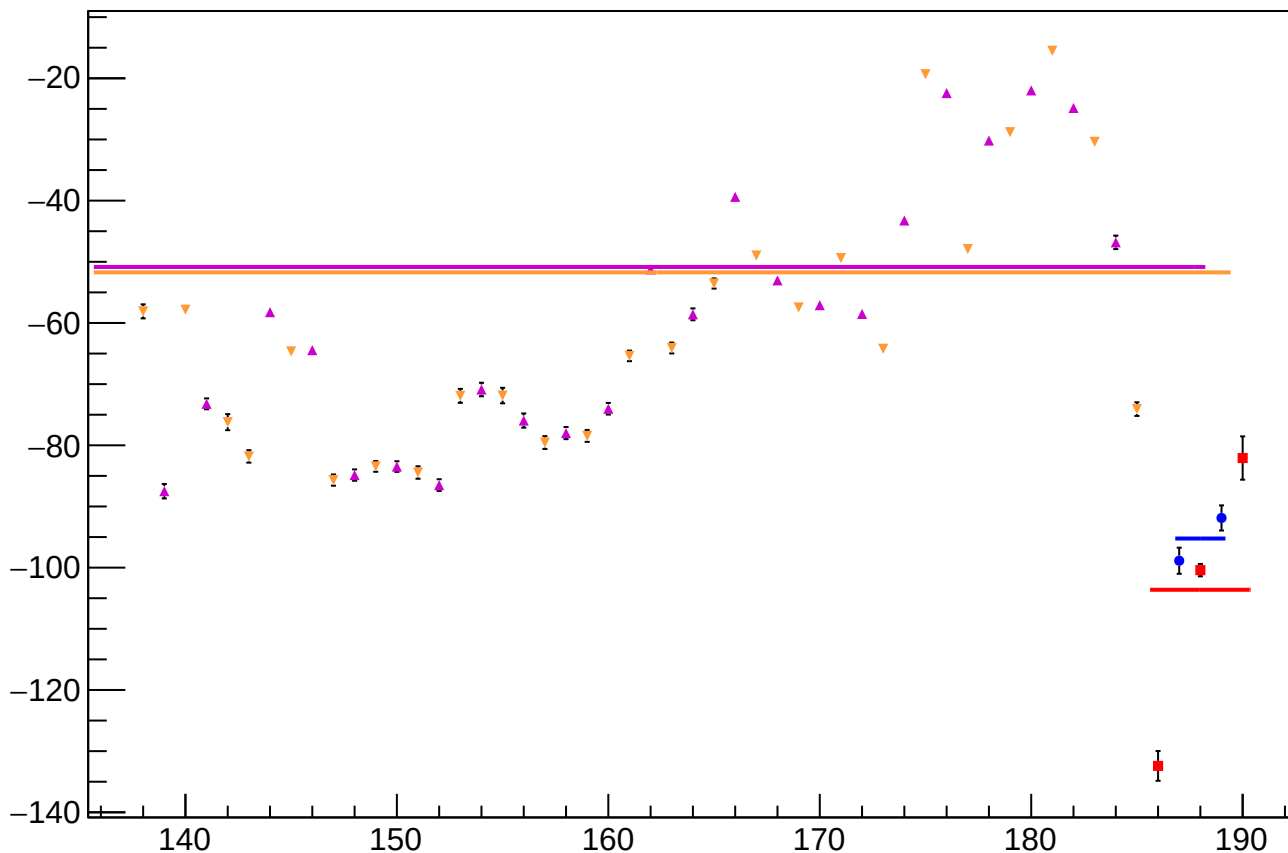
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF:6237.6/22

+ sign 3.099 $\pm$ 0.124 χ^2 /NDF: 8085.4/26

All: 3.139 $\pm$ 0.089 χ^2 /NDF: 14422.8/52

- sign 3.181 $\pm$ 0.126 χ^2 /NDF: 6337.2/25

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -95.239 ± 1.479 χ^2/NDF : 5.6/1

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -103.615 ± 0.903 χ^2/NDF : 187.0/2

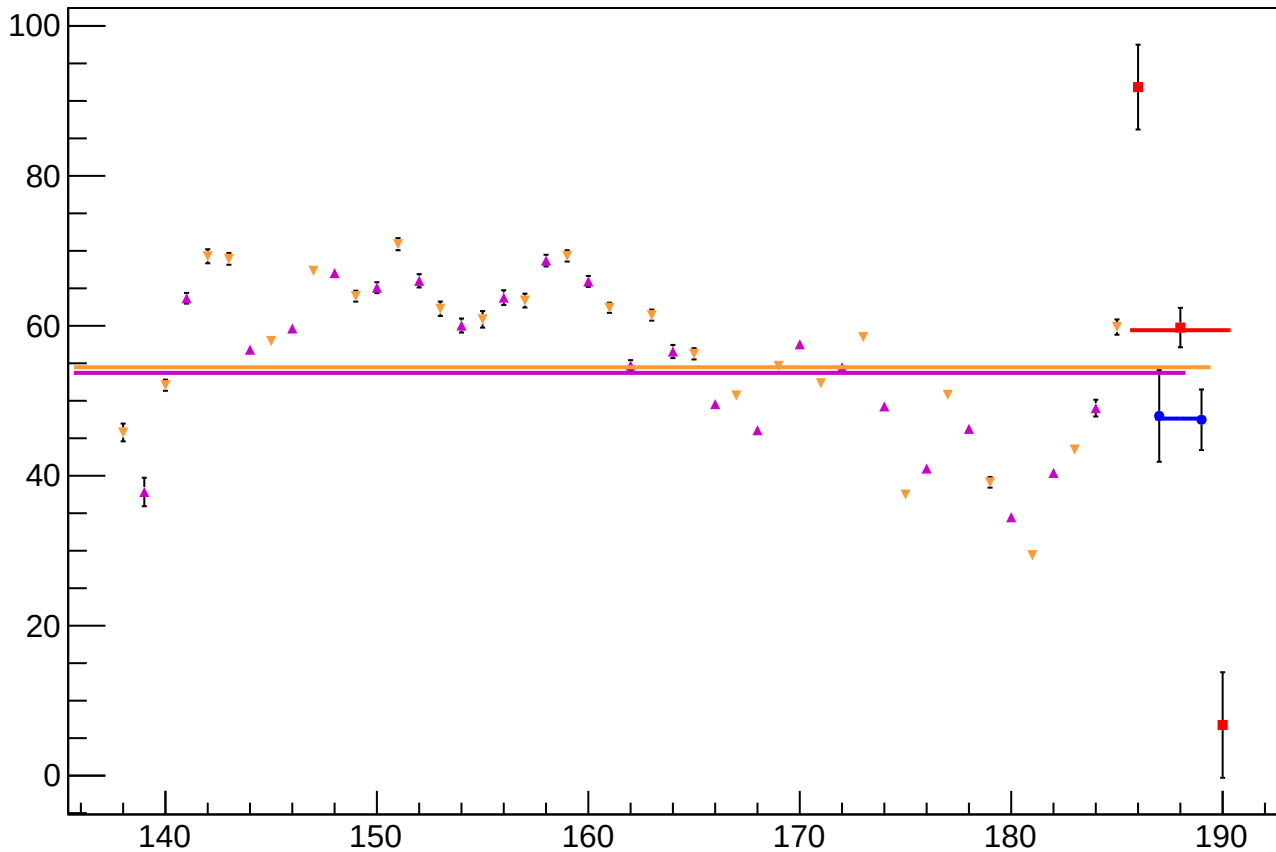
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -52.219 ± 0.157 χ^2/NDF : 20398.7/26

All: -52.336 ± 0.111 χ^2/NDF : 41172.4/52

- sign -52.454 ± 0.158 χ^2/NDF : 20772.5/25

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 47.626+/-3.372 χ^2/NDF : 0.0/1

Left Out: 54.476+/-0.140 χ^2/NDF : 6266.9/24

Right Out: 59.416+/-2.260 χ^2/NDF : 88.8/2

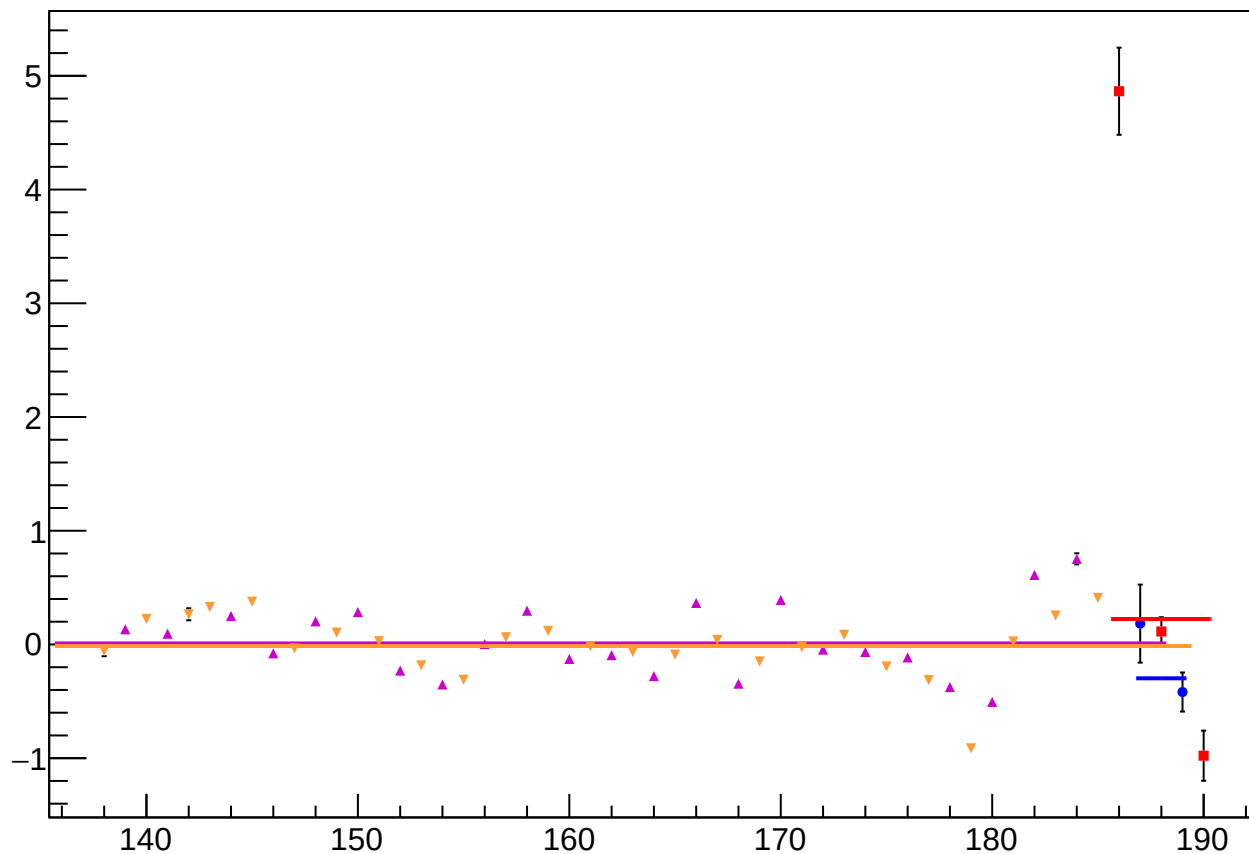
Left In: 53.724+/-0.143 χ^2/NDF : 4585.7/22

+ sign 54.464+/-0.140 χ^2/NDF : 6271.0/26

All: 54.112+/-0.100 χ^2/NDF : 10964.8/52

- sign 53.746+/-0.143 χ^2/NDF : 4680.9/25

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.298 ± 0.154 χ^2/NDF : 2.5/1

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: 0.224 ± 0.105 χ^2/NDF : 177.2/2

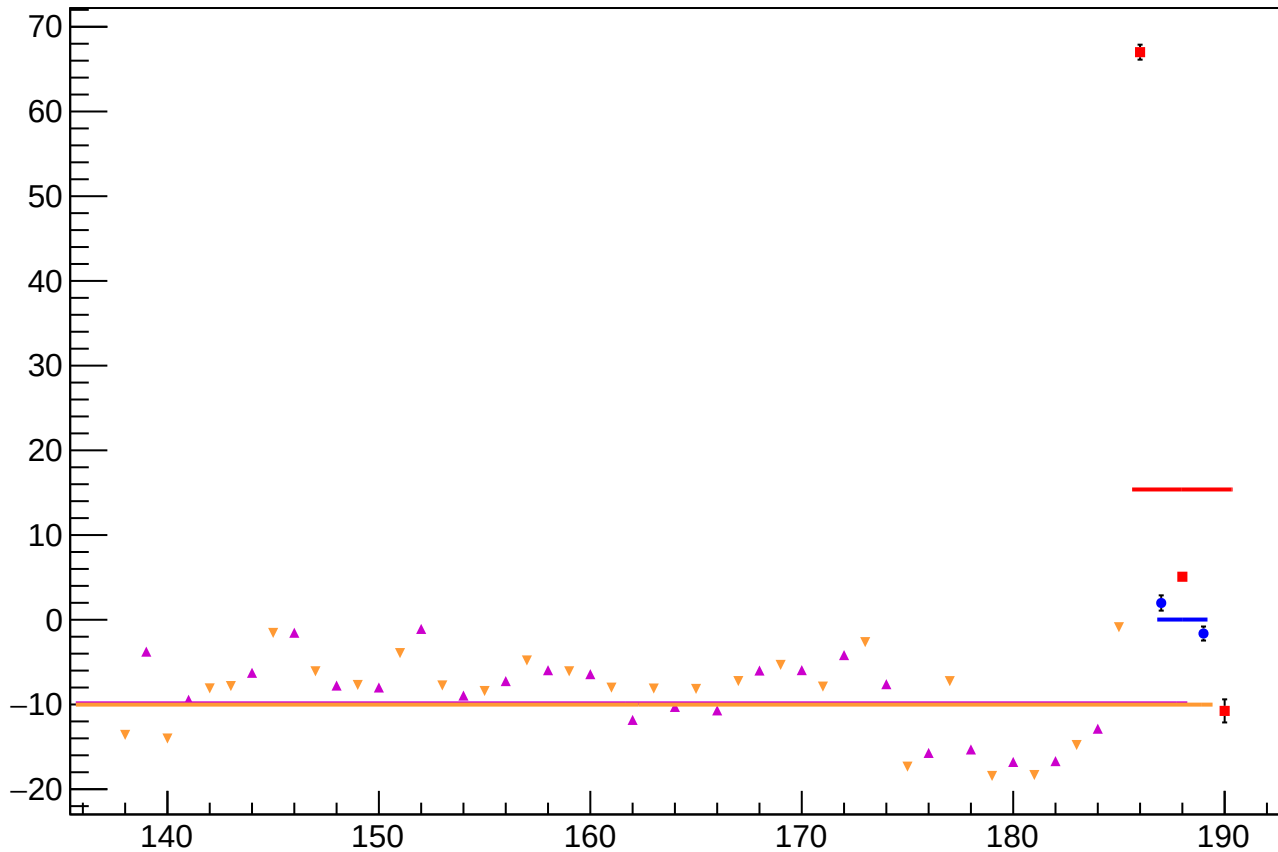
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.014 ± 0.006 χ^2/NDF : 1660.6/26

All: -0.002 ± 0.005 χ^2/NDF : 4069.4/52

- sign 0.010 ± 0.007 χ^2/NDF : 2401.9/25

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.025 ± 0.610 χ^2/NDF : 8.7/1

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: 15.380 ± 0.382 χ^2/NDF : 4305.6/2

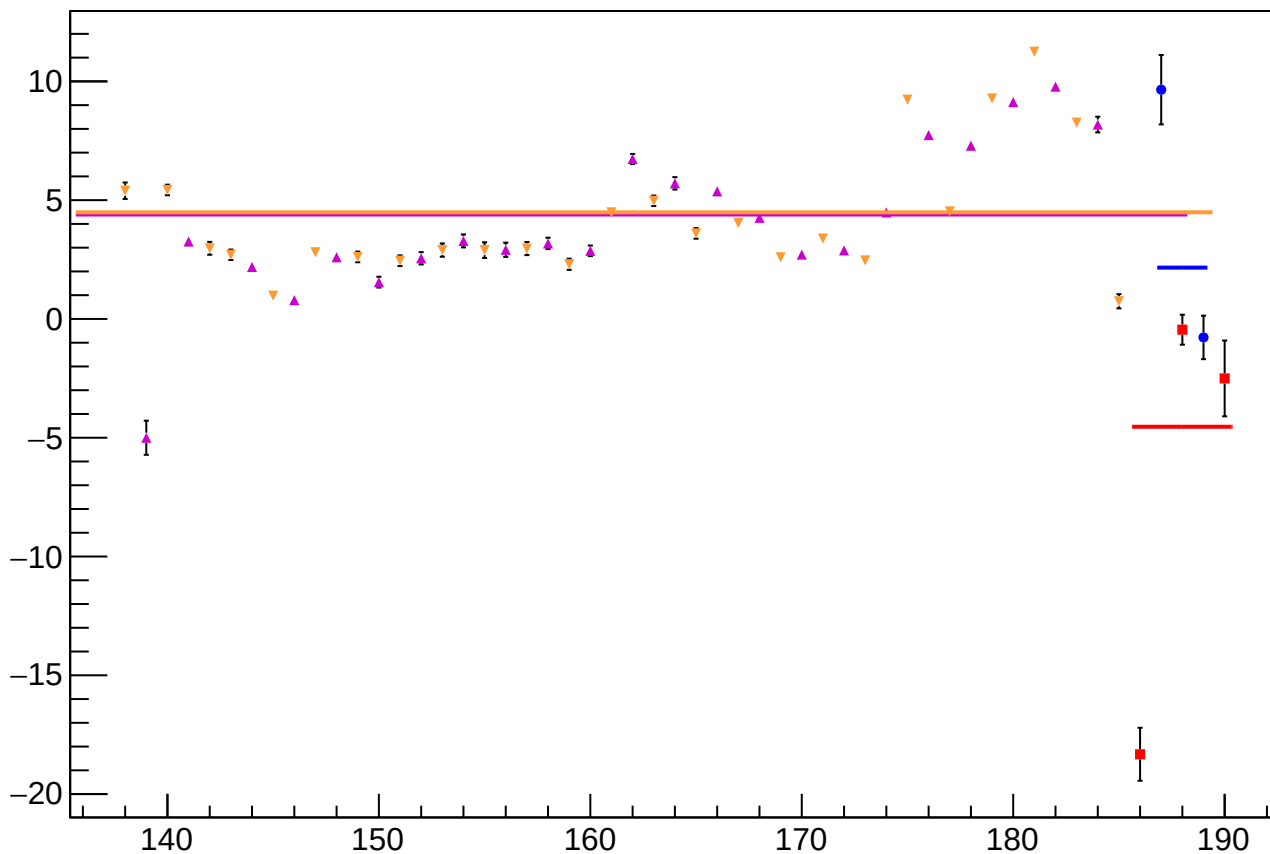
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.948 ± 0.050 χ^2/NDF : 12830.5/26

All: -9.685 ± 0.036 χ^2/NDF : 30825.1/52

- sign -9.417 ± 0.051 χ^2/NDF : 17939.7/25

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 2.161 ± 0.775 $\chi^2/\text{NDF}: 36.6/1$

Left Out: 4.489 ± 0.041 $\chi^2/\text{NDF}: 4832.3/24$

Right Out: -4.538 ± 0.519 $\chi^2/\text{NDF}: 196.2/2$

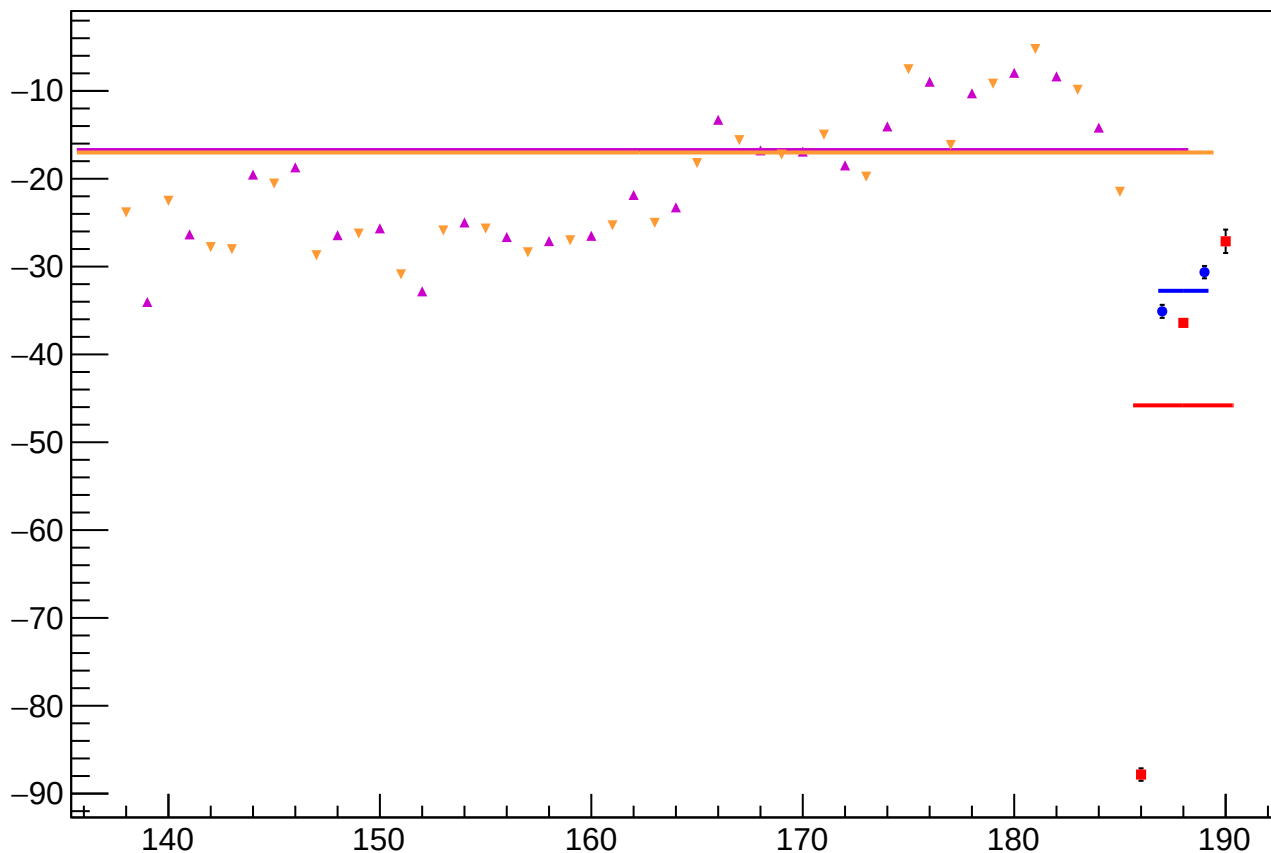
Left In: 4.396 ± 0.041 $\chi^2/\text{NDF}: 4230.4/22$

+ sign 4.482 ± 0.041 $\chi^2/\text{NDF}: 4877.9/26$

All: 4.412 ± 0.029 $\chi^2/\text{NDF}: 9604.7/52$

- sign 4.340 ± 0.041 $\chi^2/\text{NDF}: 4720.7/25$

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -32.758 ± 0.511 χ^2/NDF : 19.0/1

Left Out: -17.008 ± 0.051 χ^2/NDF : 22094.7/24

Right Out: -45.802 ± 0.312 χ^2/NDF : 4374.0/2

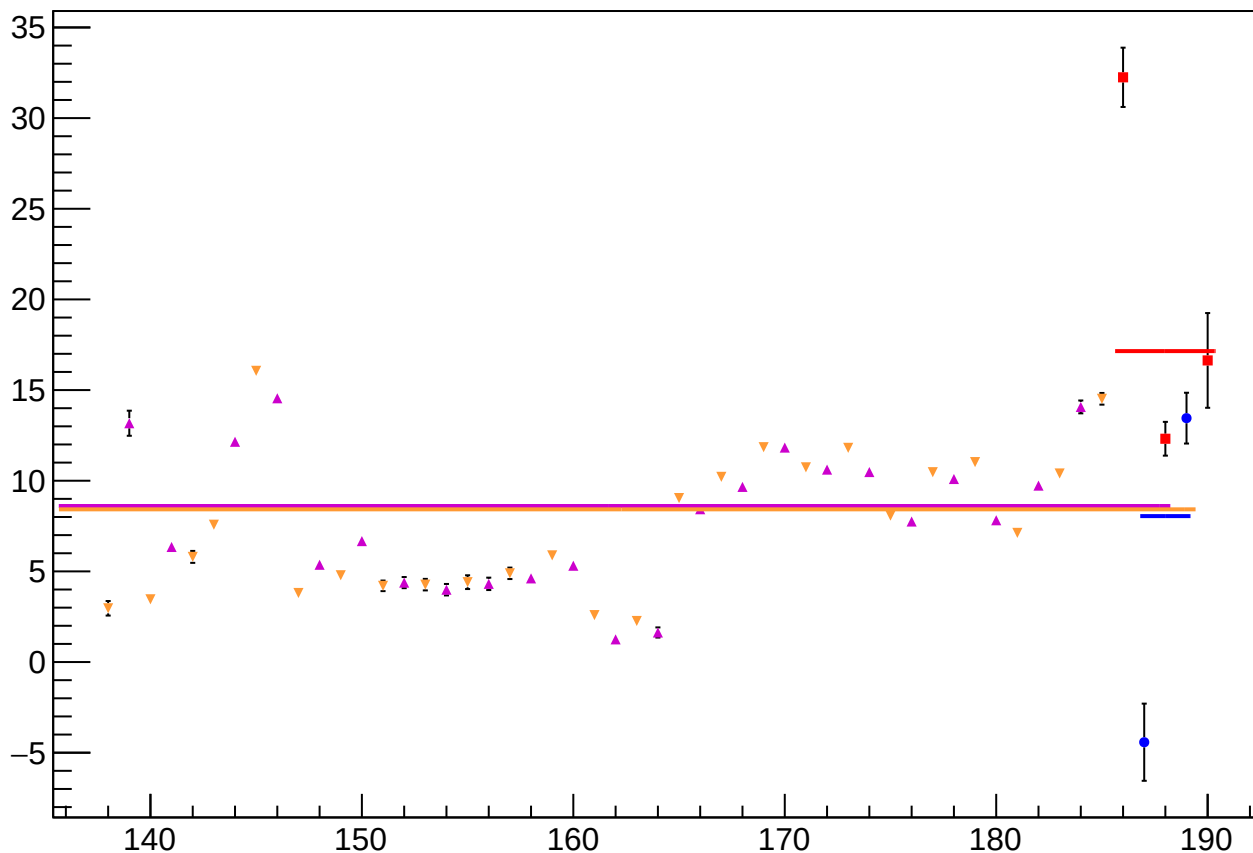
Left In: -16.732 ± 0.052 χ^2/NDF : 18777.2/22

+ sign -17.164 ± 0.051 χ^2/NDF : 23052.7/26

All: -17.334 ± 0.036 χ^2/NDF : 54680.9/52

- sign -17.504 ± 0.051 χ^2/NDF : 31605.9/25

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 8.049+/-1.170 χ^2/NDF : 49.2/1

Left Out: 8.422+/-0.046 χ^2/NDF : 6470.1/24

Right Out: 17.150+/-0.773 χ^2/NDF : 112.2/2

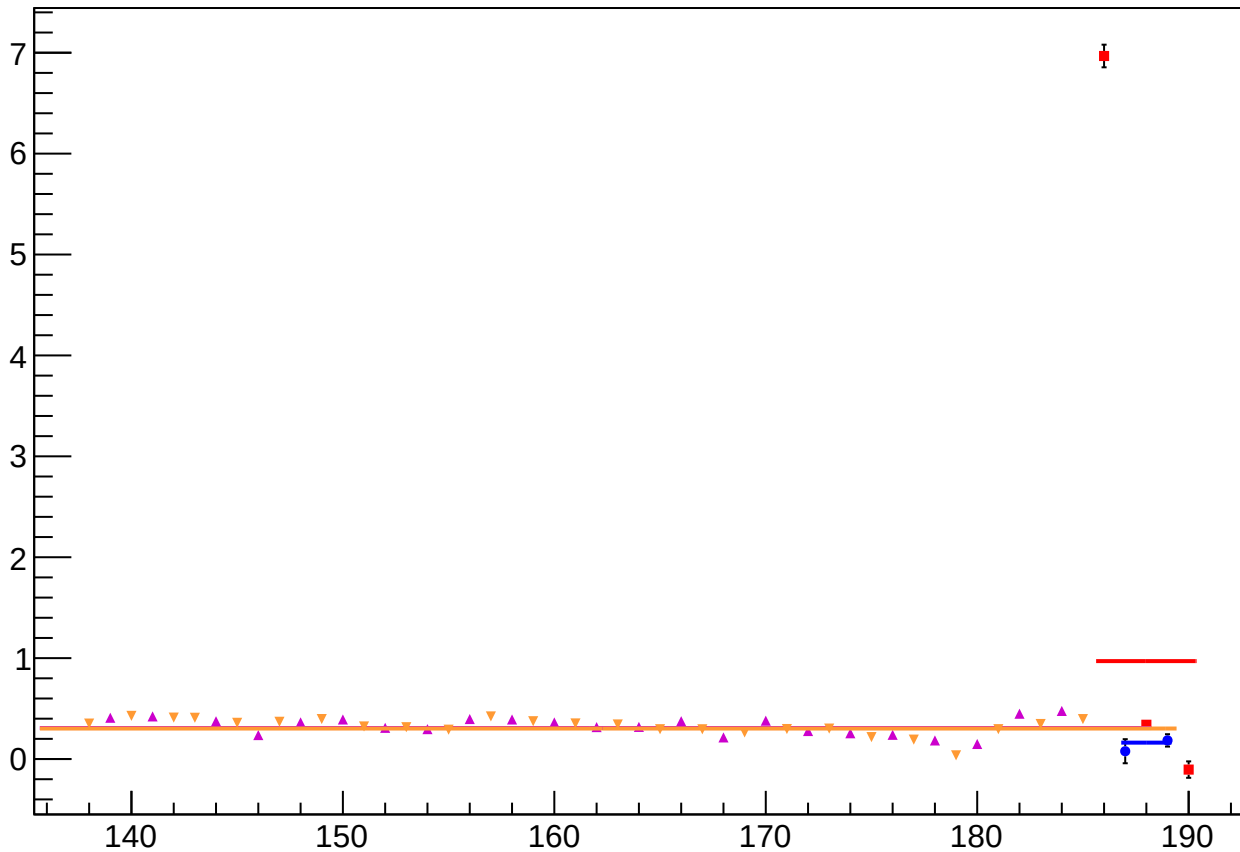
Left In: 8.606+/-0.046 χ^2/NDF : 5504.2/22

+ sign 8.421+/-0.046 χ^2/NDF : 6519.4/26

All: 8.528+/-0.032 χ^2/NDF : 12268.6/52

- sign 8.637+/-0.046 χ^2/NDF : 5738.2/25

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.162 $\pm$ 0.054 χ^2/NDF : 0.6/1

Left Out: 0.302 $\pm$ 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.971 $\pm$ 0.037 χ^2/NDF : 3230.1/2

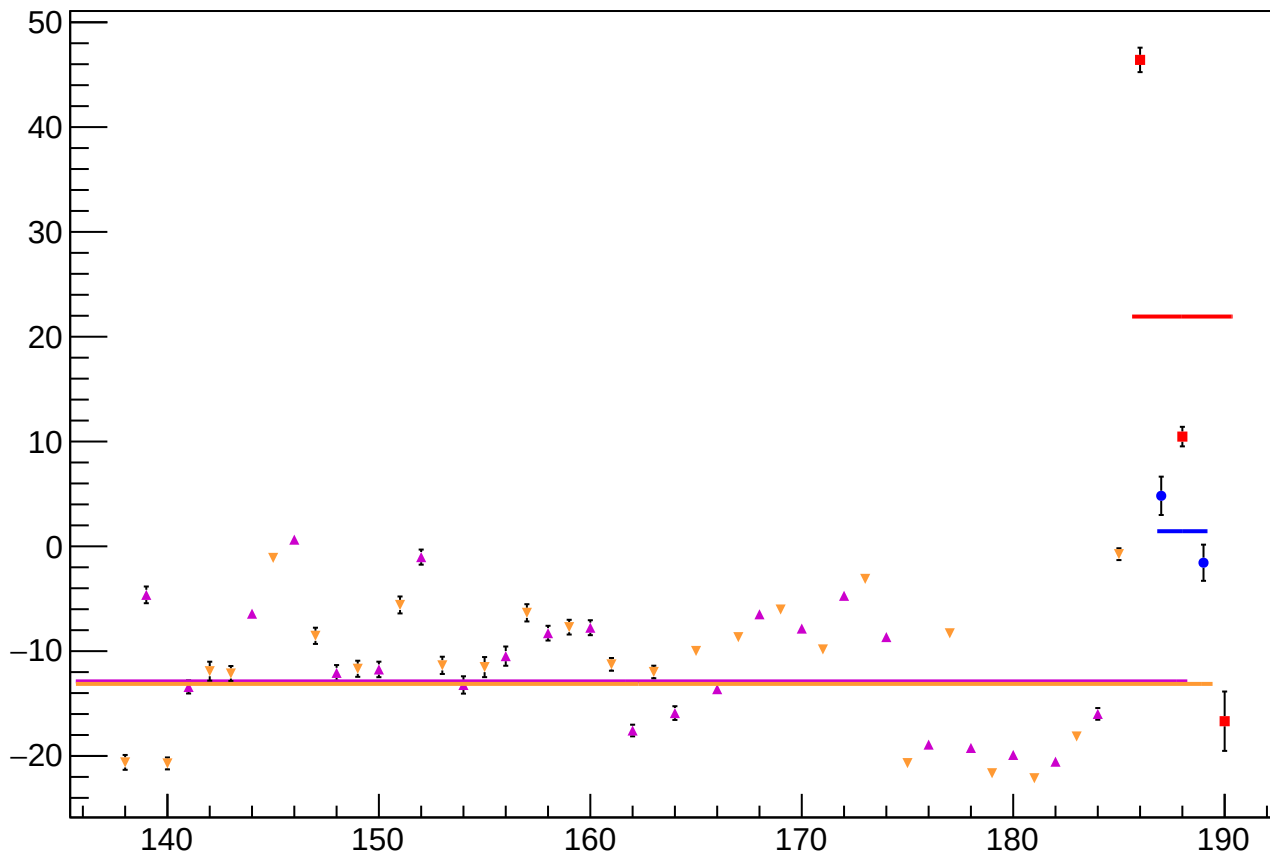
Left In: 0.307 $\pm$ 0.002 χ^2/NDF : 1699.5/22

+ sign 0.302 $\pm$ 0.002 χ^2/NDF : 1598.2/26

All: 0.306 $\pm$ 0.001 χ^2/NDF : 6853.0/52

- sign 0.309 $\pm$ 0.002 χ^2/NDF : 5249.1/25

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 1.442 ± 1.255 χ^2/NDF : 6.4/1

Left Out: -13.125 ± 0.094 χ^2/NDF : 5977.6/24

Right Out: 21.924 ± 0.705 χ^2/NDF : 777.5/2

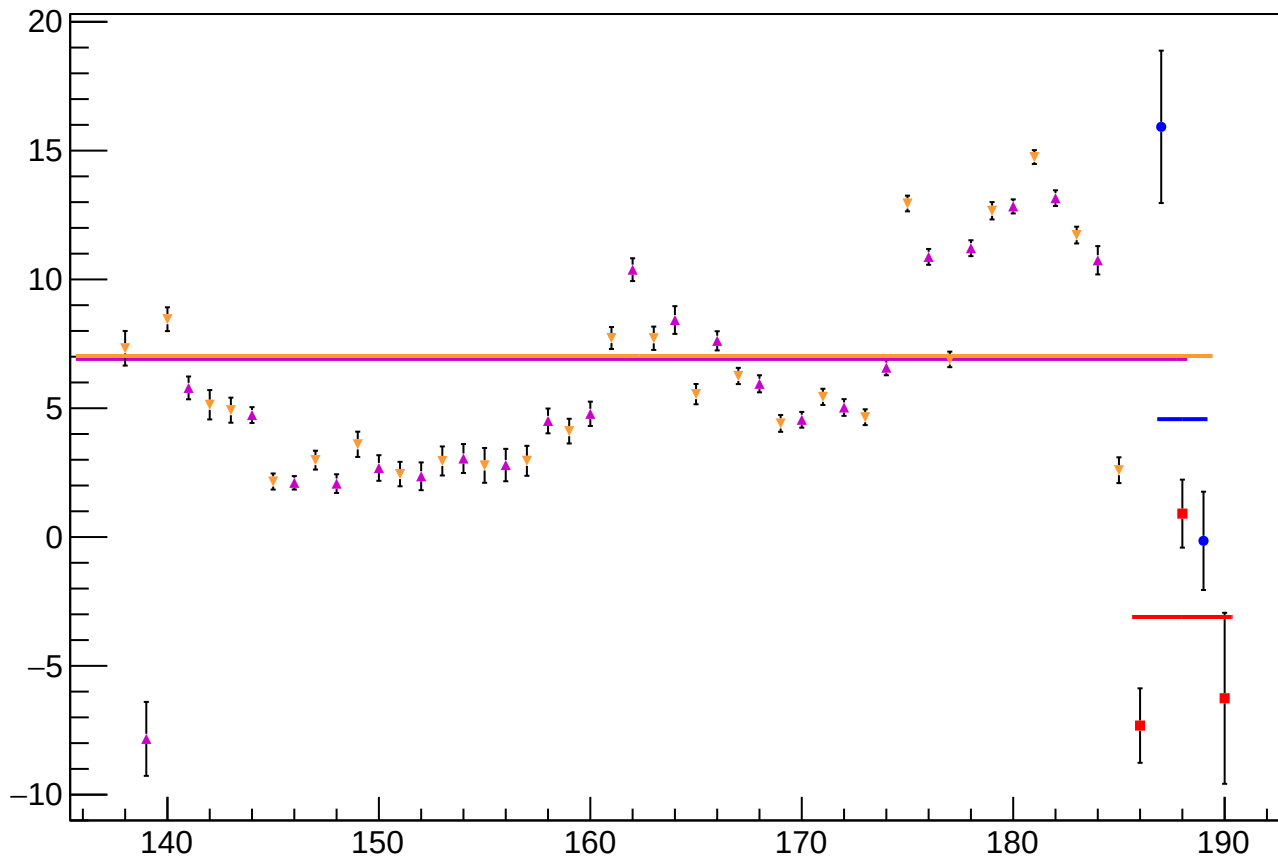
Left In: -12.885 ± 0.095 χ^2/NDF : 4776.2/22

+ sign -13.044 ± 0.093 χ^2/NDF : 6118.0/26

All: -12.658 ± 0.066 χ^2/NDF : 14098.8/52

- sign -12.264 ± 0.094 χ^2/NDF : 7946.2/25

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 4.576 ± 1.603 χ^2/NDF : 20.9/1

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -3.103 ± 0.935 χ^2/NDF : 18.7/2

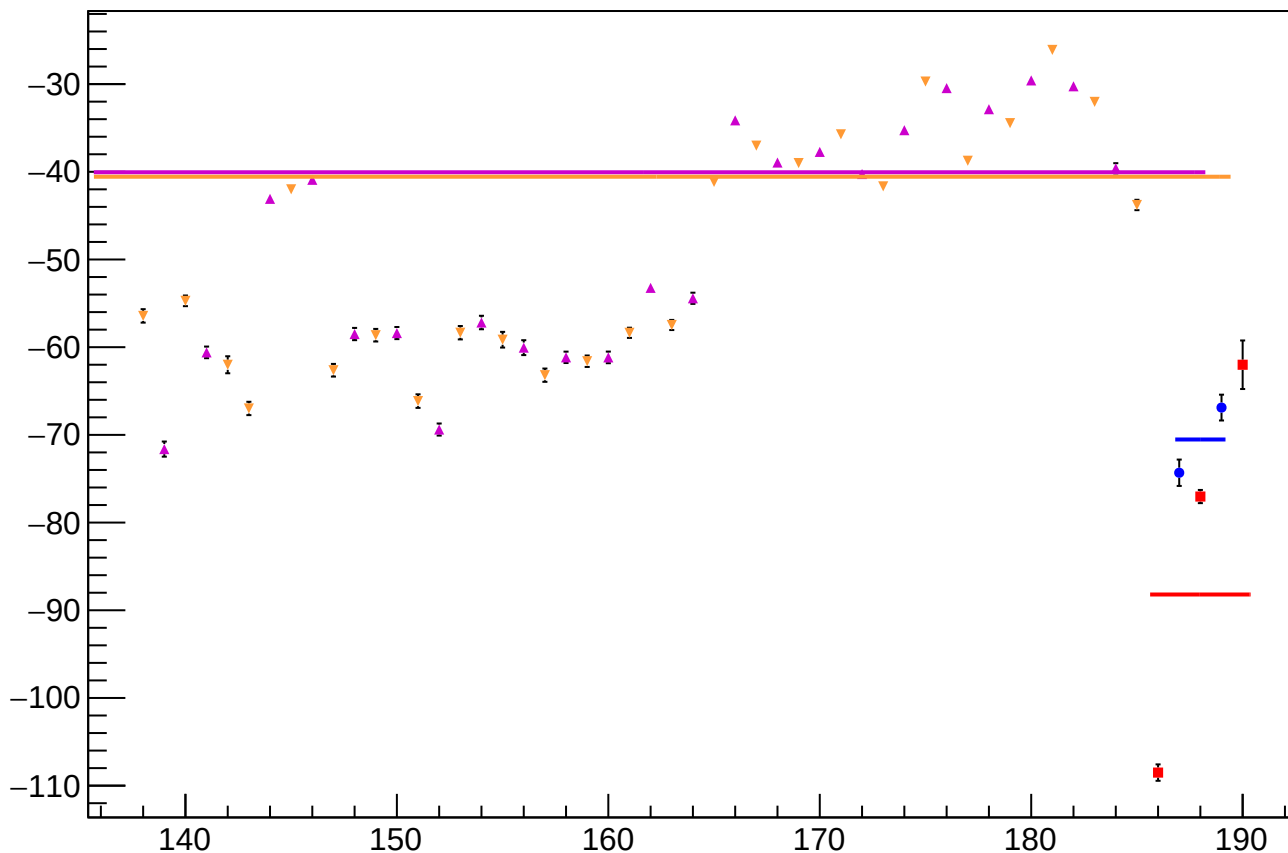
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 7.022 ± 0.077 χ^2/NDF : 2688.5/26

All: 6.934 ± 0.055 χ^2/NDF : 5252.0/52

- sign 6.845 ± 0.077 χ^2/NDF : 2560.8/25

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -70.525 ± 1.052 $\chi^2/\text{NDF}: 12.5/1$

Left Out: -40.563 ± 0.095 $\chi^2/\text{NDF}: 15637.6/24$

Right Out: -88.202 ± 0.573 $\chi^2/\text{NDF}: 781.7/2$

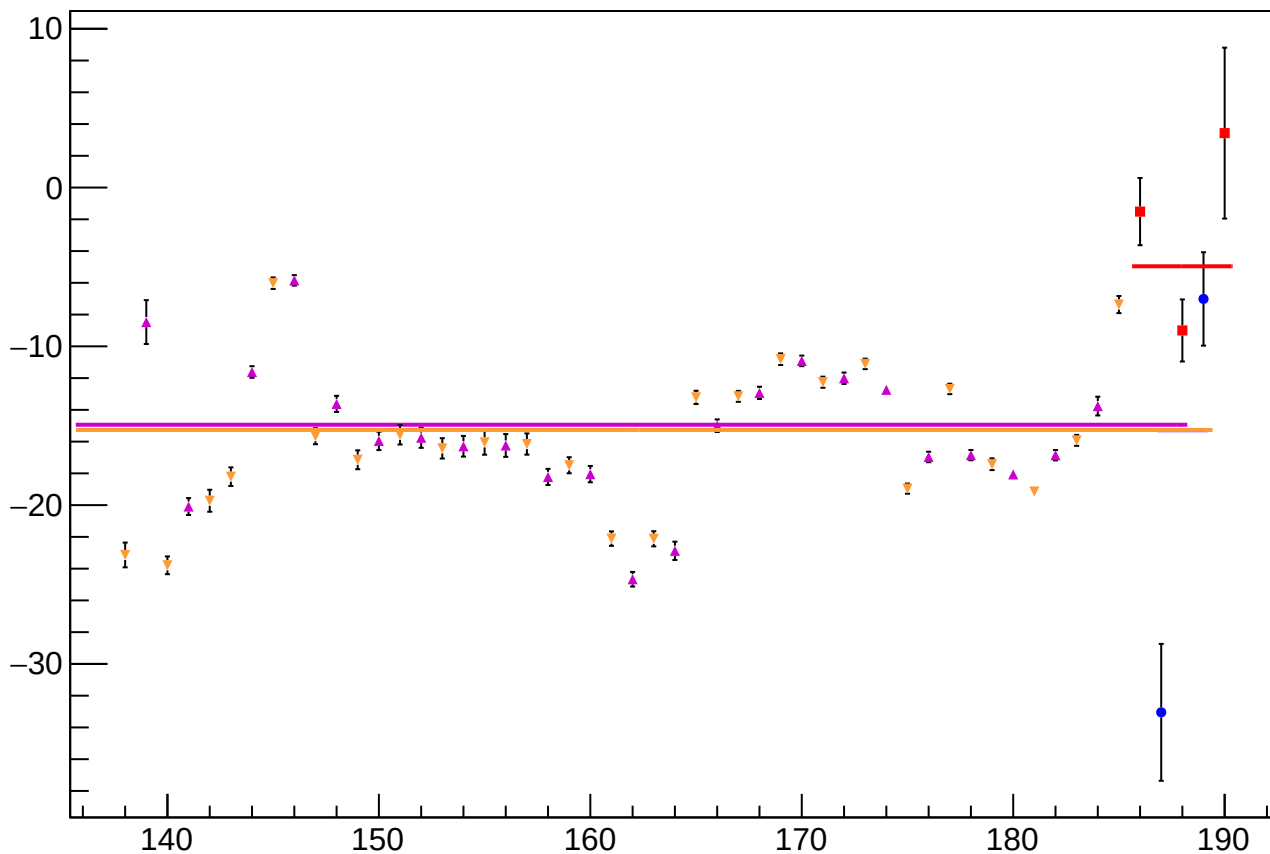
Left In: -40.053 ± 0.096 $\chi^2/\text{NDF}: 13927.3/22$

+ sign -40.804 ± 0.094 $\chi^2/\text{NDF}: 16455.1/26$

All: -41.081 ± 0.067 $\chi^2/\text{NDF}: 38045.8/52$

- sign -41.358 ± 0.094 $\chi^2/\text{NDF}: 21573.4/25$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -15.280 ± 2.429 $\chi^2/\text{NDF}: 24.9/1$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -4.958 ± 1.388 $\chi^2/\text{NDF}: 9.3/2$

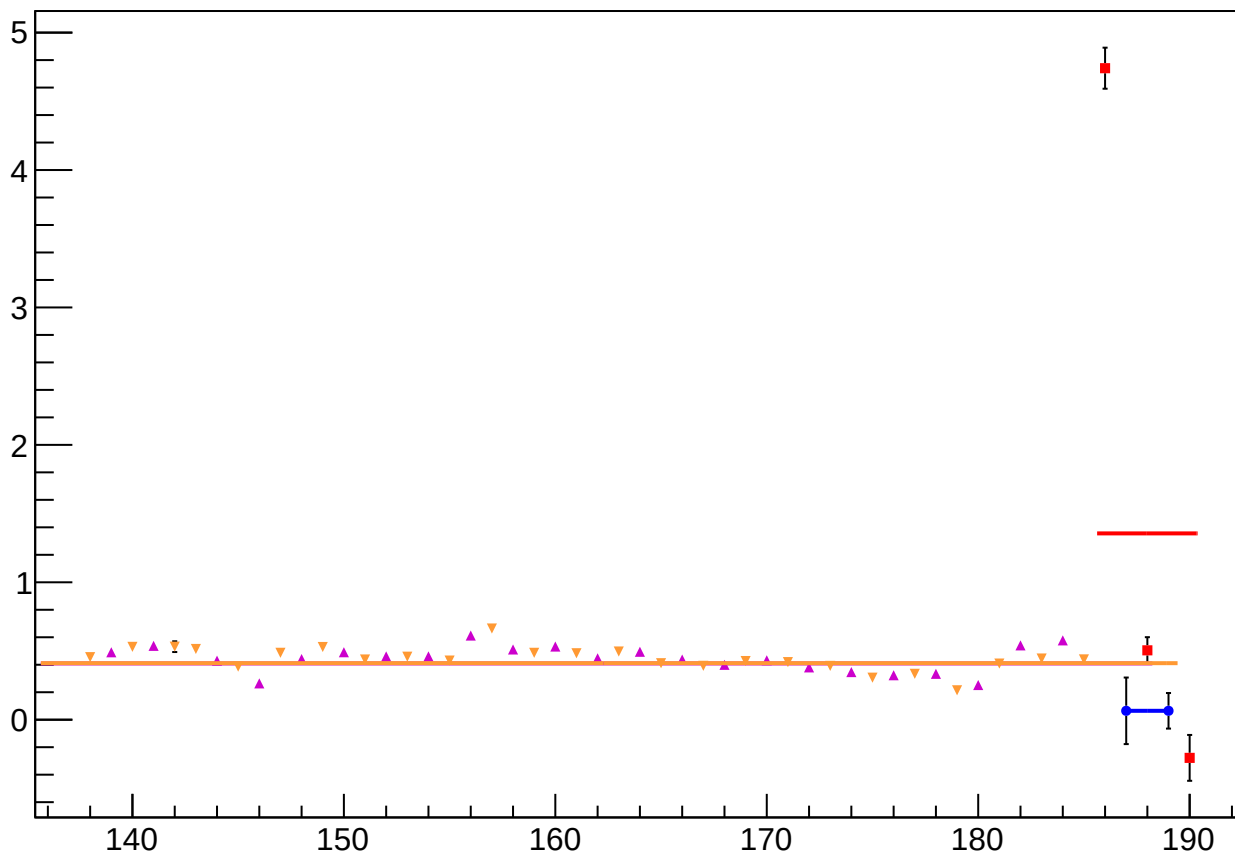
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.266 ± 0.086 $\chi^2/\text{NDF}: 2620.3/26$

All: -15.083 ± 0.061 $\chi^2/\text{NDF}: 4890.0/52$

- sign -14.897 ± 0.087 $\chi^2/\text{NDF}: 2260.5/25$

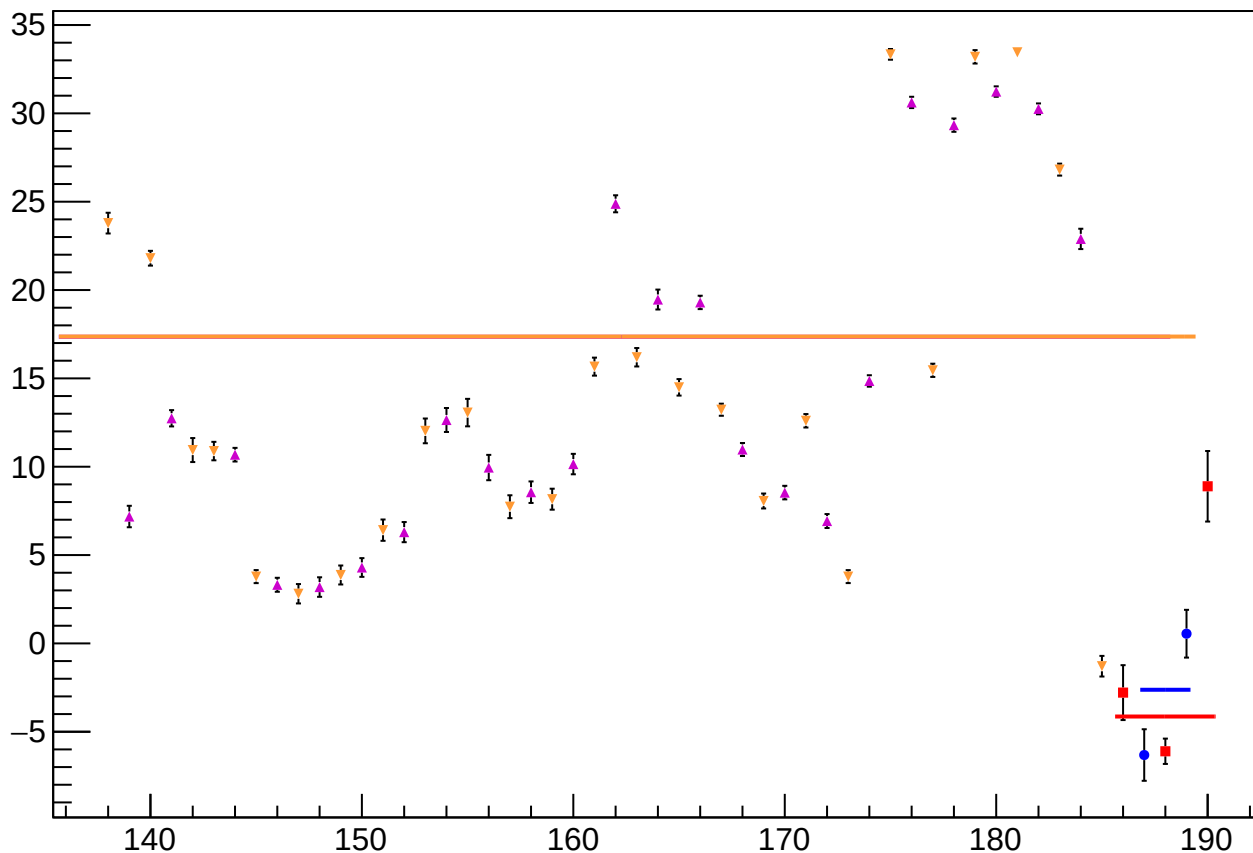
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



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: 1.356 ± 0.073 $\chi^2/\text{NDF}: 688.6/2$
 Left In: 0.409 ± 0.004 $\chi^2/\text{NDF}: 557.8/22$

+ sign 0.411 ± 0.004 $\chi^2/\text{NDF}: 437.9/26$
 All: 0.412 ± 0.003 $\chi^2/\text{NDF}: 1854.1/52$
 - sign 0.412 ± 0.004 $\chi^2/\text{NDF}: 1416.2/25$

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: -2.624 ± 0.992 χ^2/NDF : 11.9/1

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: -4.138 ± 0.619 χ^2/NDF : 50.9/2

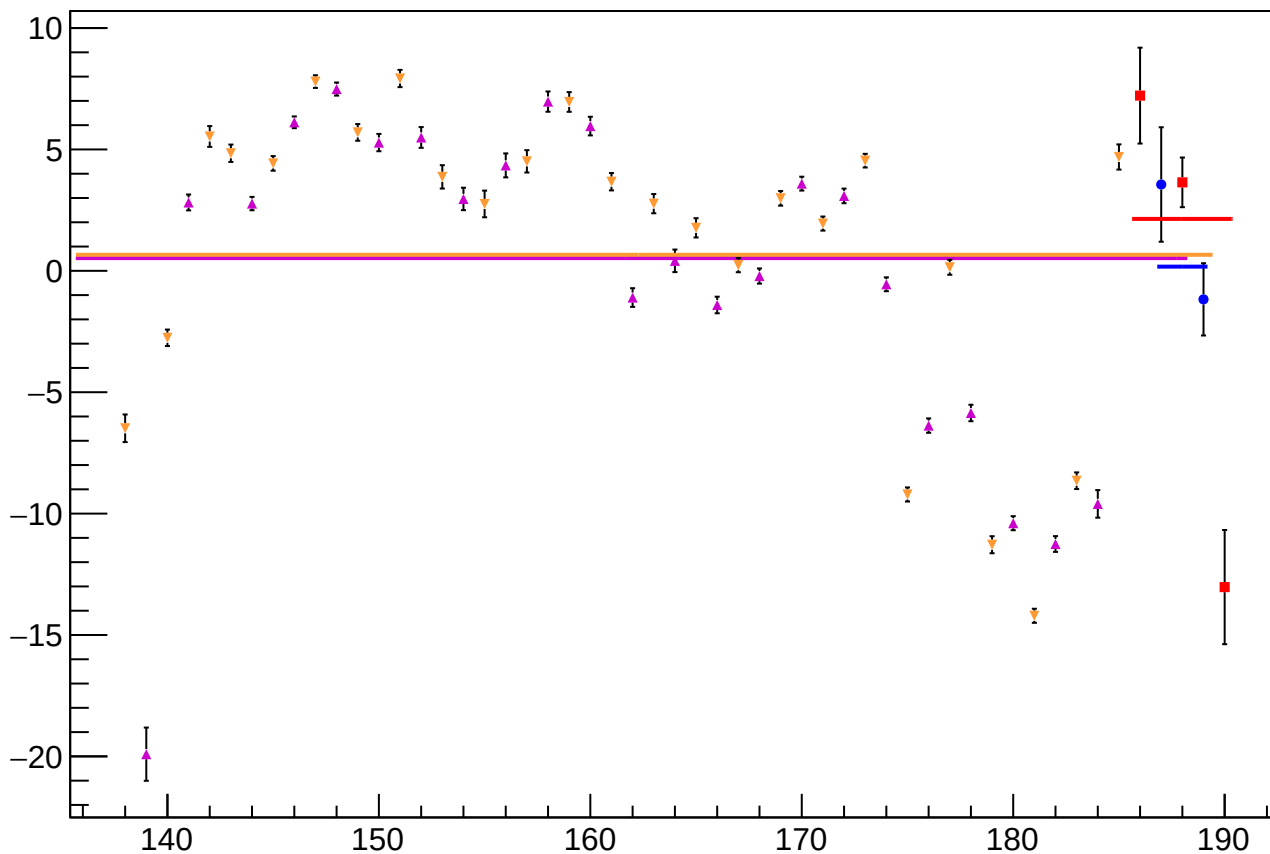
Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

+ sign 17.214 ± 0.087 χ^2/NDF : 16753.0/26

All: 17.069 ± 0.062 χ^2/NDF : 30736.6/52

- sign 16.921 ± 0.088 χ^2/NDF : 13978.0/25

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.173 ± 1.258 χ^2/NDF : 2.9/1

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: 2.139 ± 0.847 χ^2/NDF : 50.3/2

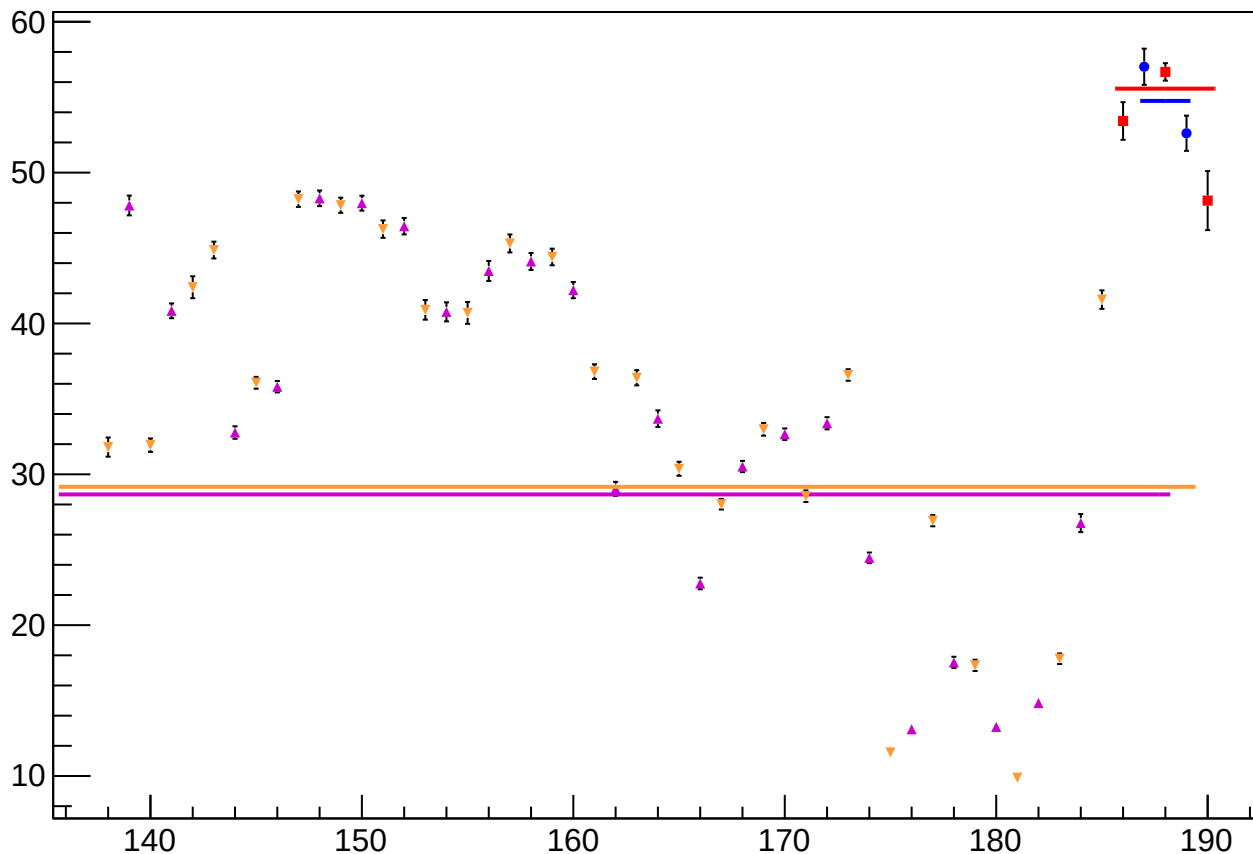
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.659 ± 0.069 χ^2/NDF : 8556.9/26

All: 0.598 ± 0.049 χ^2/NDF : 15342.1/52

- sign 0.535 ± 0.071 χ^2/NDF : 6783.6/25

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 54.754 $\pm$ 0.836 χ^2 /NDF: 6.9/1

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 55.568 $\pm$ 0.507 χ^2 /NDF: 21.0/2

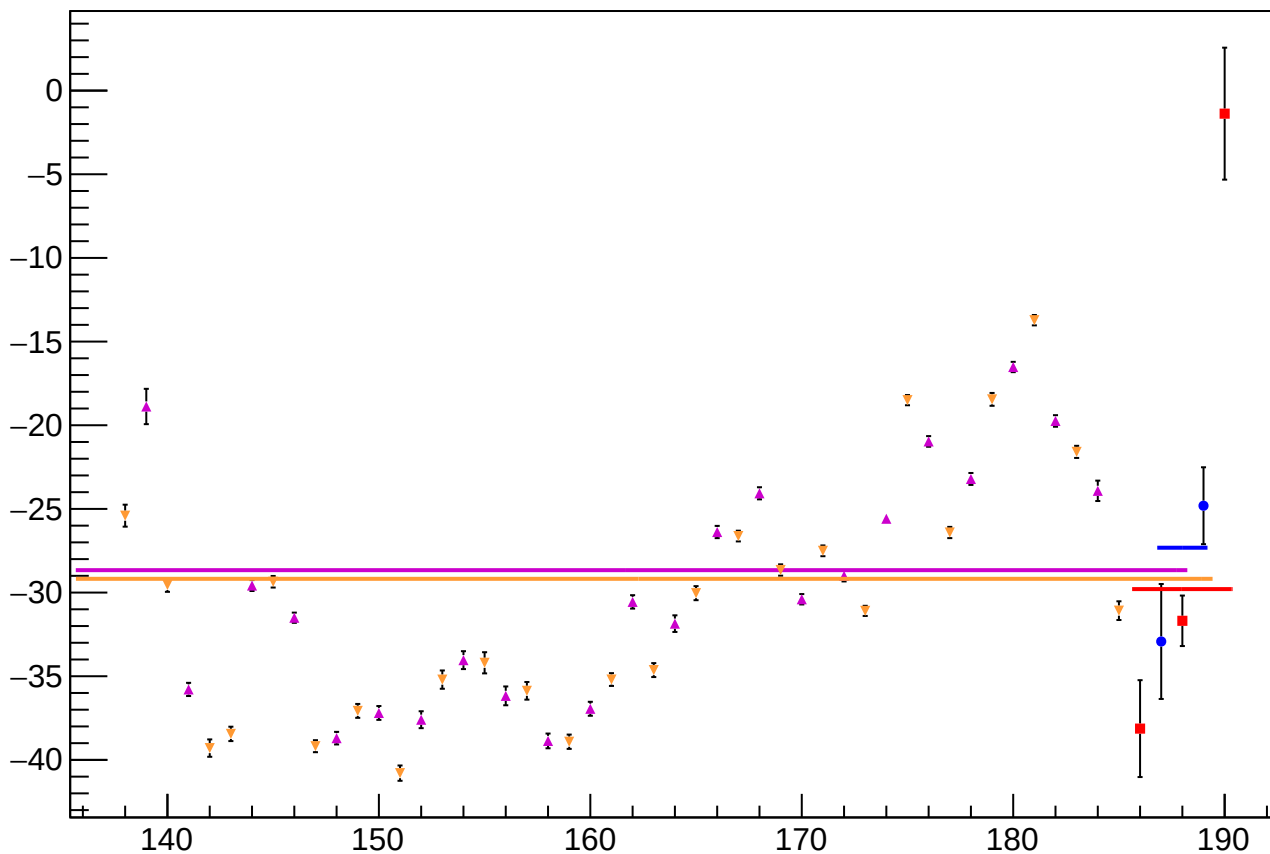
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 29.450 $\pm$ 0.087 χ^2 /NDF: 19907.6/26

All: 29.462 $\pm$ 0.062 χ^2 /NDF: 39507.0/52

- sign 29.474 $\pm$ 0.088 χ^2 /NDF: 19599.4/25

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -27.319 ± 1.910 χ^2/NDF : 3.9/1

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -29.792 ± 1.267 χ^2/NDF : 61.8/2

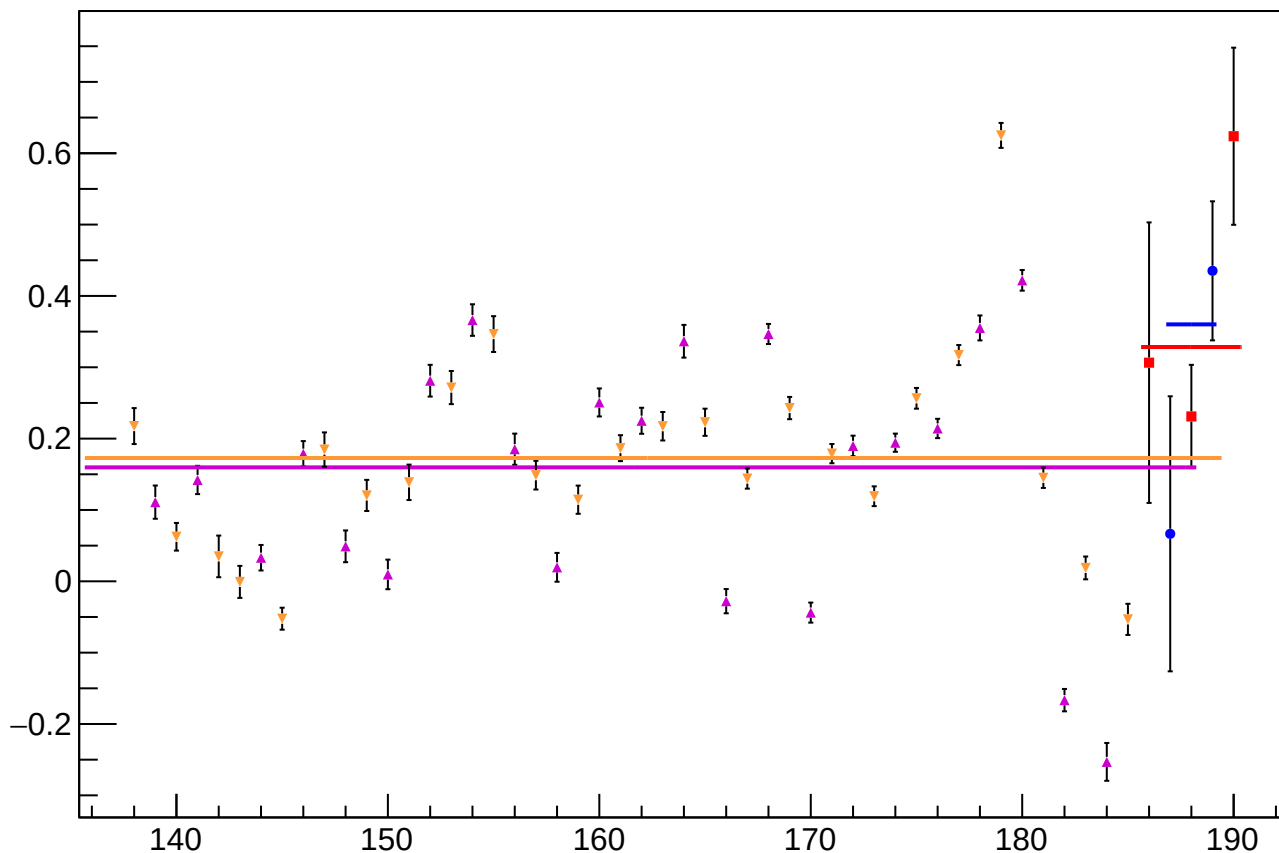
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -29.175 ± 0.078 χ^2/NDF : 9086.2/26

All: -28.925 ± 0.056 χ^2/NDF : 15839.8/52

- sign -28.665 ± 0.080 χ^2/NDF : 6732.7/25

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.360 ± 0.087 χ^2/NDF : 2.9/1

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.328 ± 0.060 χ^2/NDF : 7.5/2

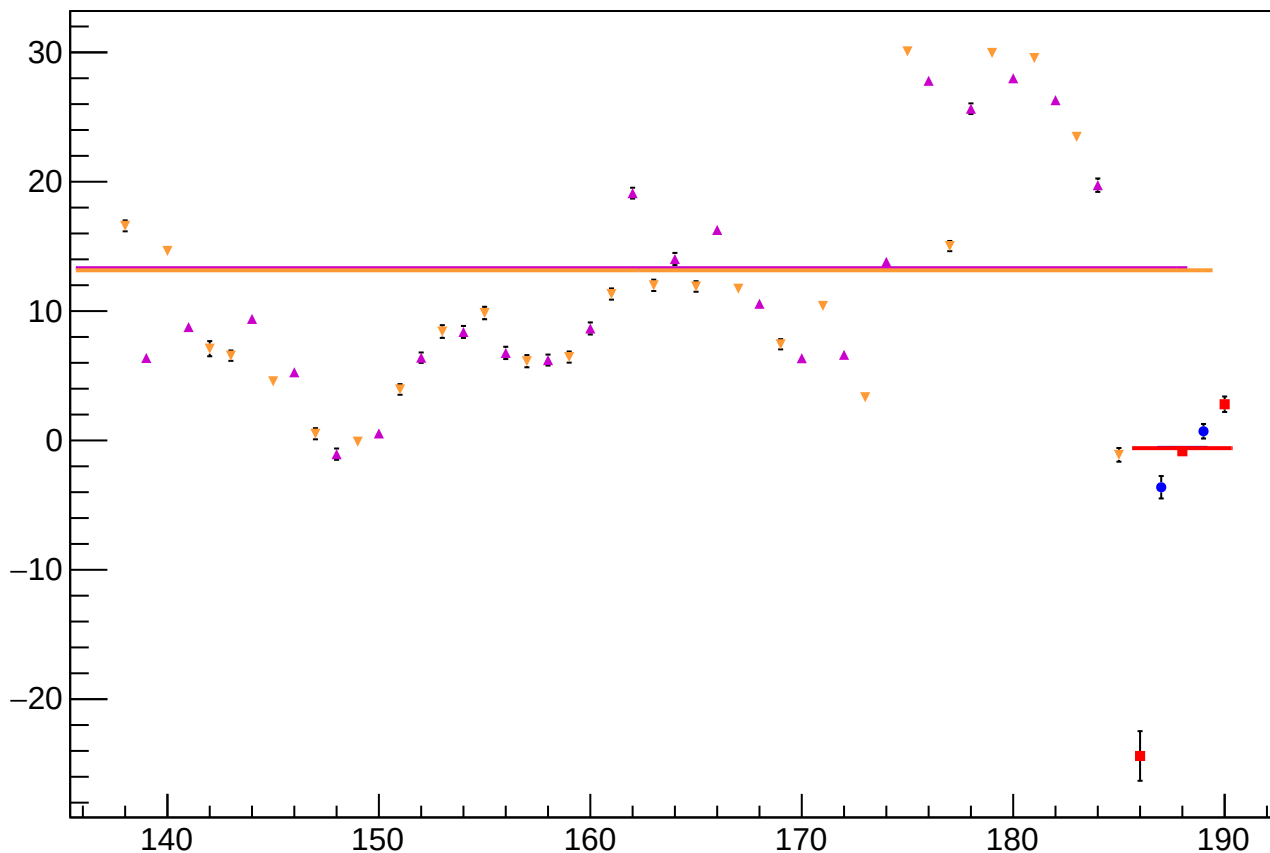
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.173 ± 0.004 χ^2/NDF : 1486.0/26

All: 0.167 ± 0.003 χ^2/NDF : 3565.7/52

- sign 0.160 ± 0.004 χ^2/NDF : 2073.4/25

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: -0.575 ± 0.473 χ^2/NDF : 17.5/1

Left Out: 13.153 ± 0.075 χ^2/NDF : 17079.7/24

Right Out: -0.596 ± 0.253 χ^2/NDF : 186.6/2

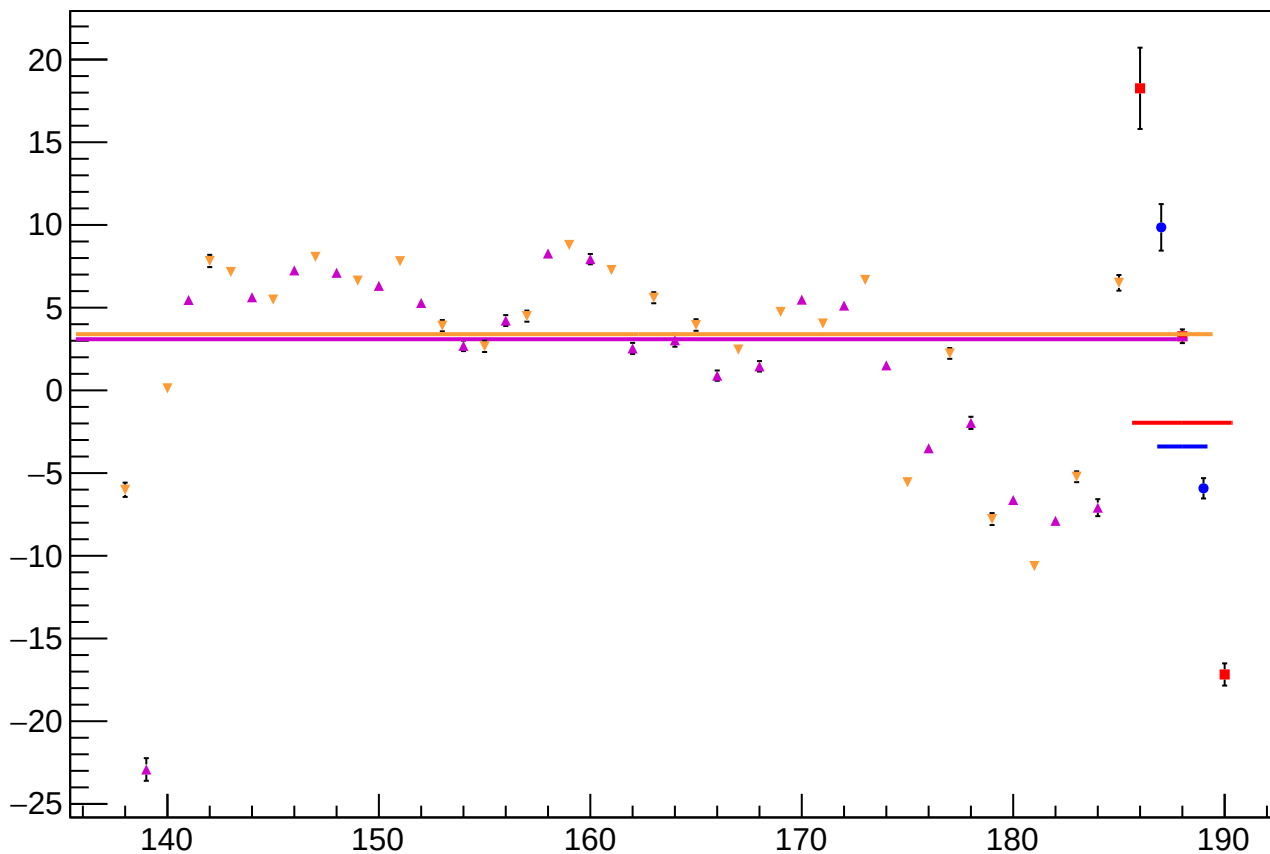
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 12.814 ± 0.074 χ^2/NDF : 17920.2/26

All: 12.470 ± 0.052 χ^2/NDF : 34896.6/52

- sign 12.131 ± 0.074 χ^2/NDF : 16934.0/25

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -3.392 ± 0.563 $\chi^2/\text{NDF}: 105.8/1$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -1.957 ± 0.349 $\chi^2/\text{NDF}: 741.3/2$

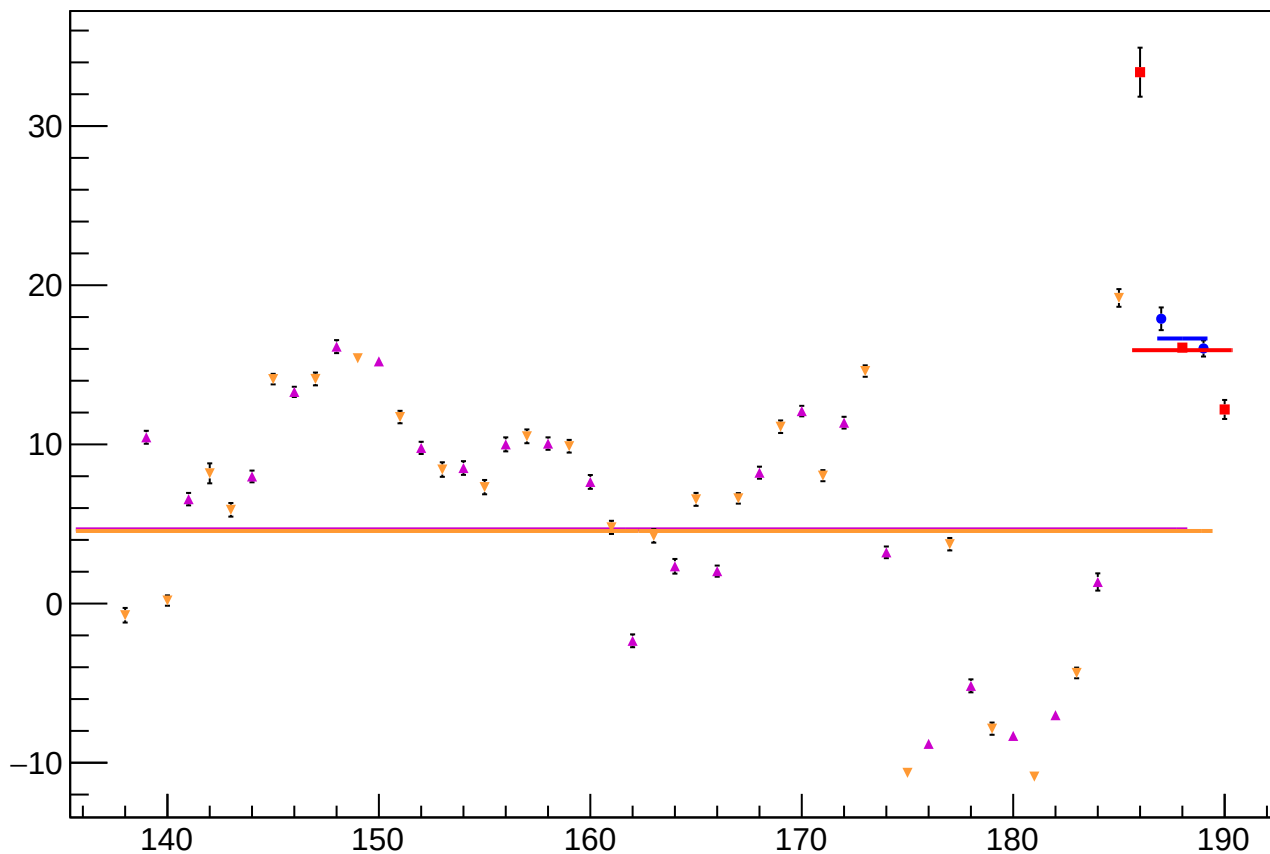
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 3.323 ± 0.058 $\chi^2/\text{NDF}: 8351.3/26$

All: 3.139 ± 0.042 $\chi^2/\text{NDF}: 16420.9/52$

- sign 2.945 ± 0.060 $\chi^2/\text{NDF}: 8048.9/25$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 16.654+/-0.413 χ^2/NDF : 4.5/1

Left Out: 4.561+/-0.075 χ^2/NDF :13592.1/24

Right Out: 15.919+/-0.212 χ^2/NDF : 168.0/2

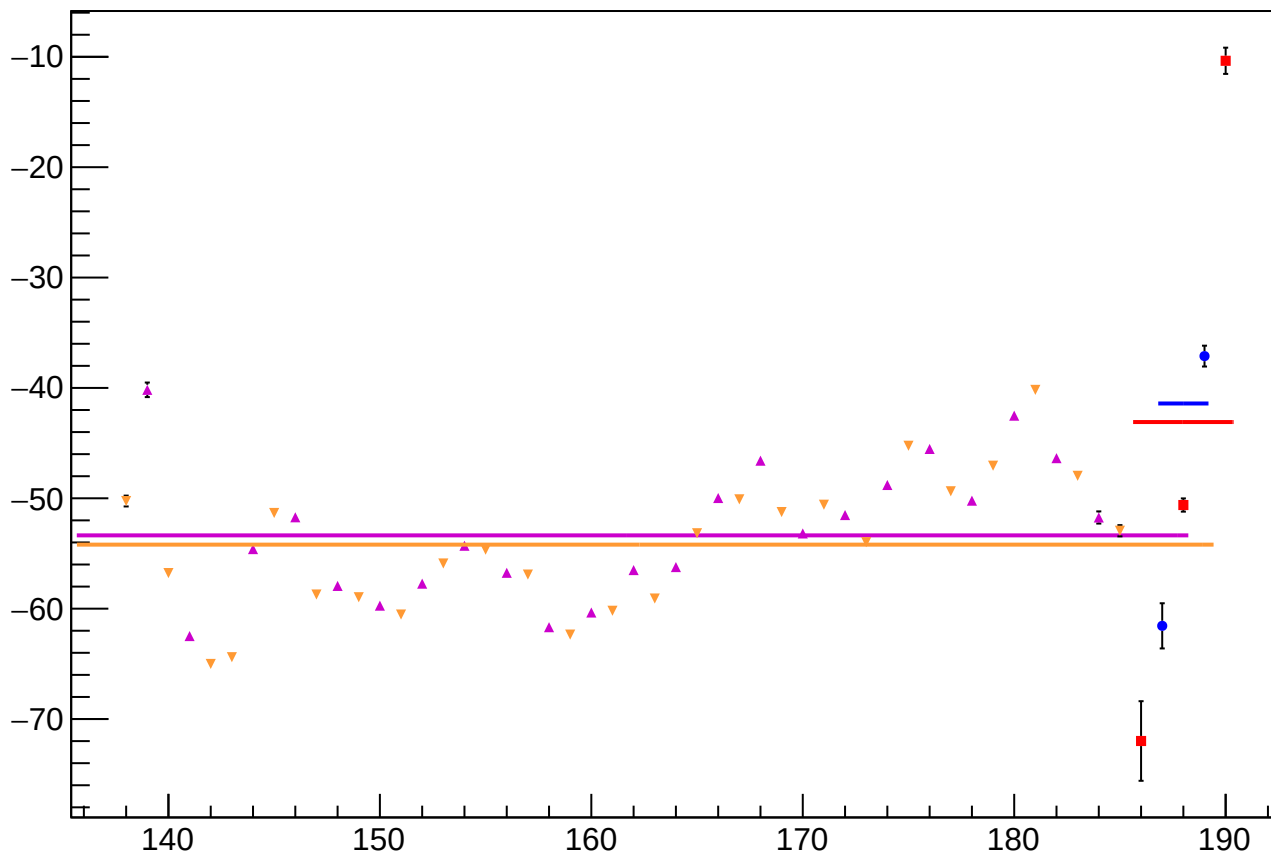
Left In: 4.662+/-0.077 χ^2/NDF :11281.5/22

+ sign 4.950+/-0.074 χ^2/NDF : 14424.7/26

All: 5.475+/-0.052 χ^2/NDF : 28473.9/52

- sign 5.973+/-0.072 χ^2/NDF : 13951.5/25

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -41.410 $\pm$ 0.858 χ^2 /NDF: 117.6/1

Left Out: -54.199 $\pm$ 0.066 χ^2 /NDF: 8454.7/24

Right Out: -43.091 $\pm$ 0.529 χ^2 /NDF: 980.5/2

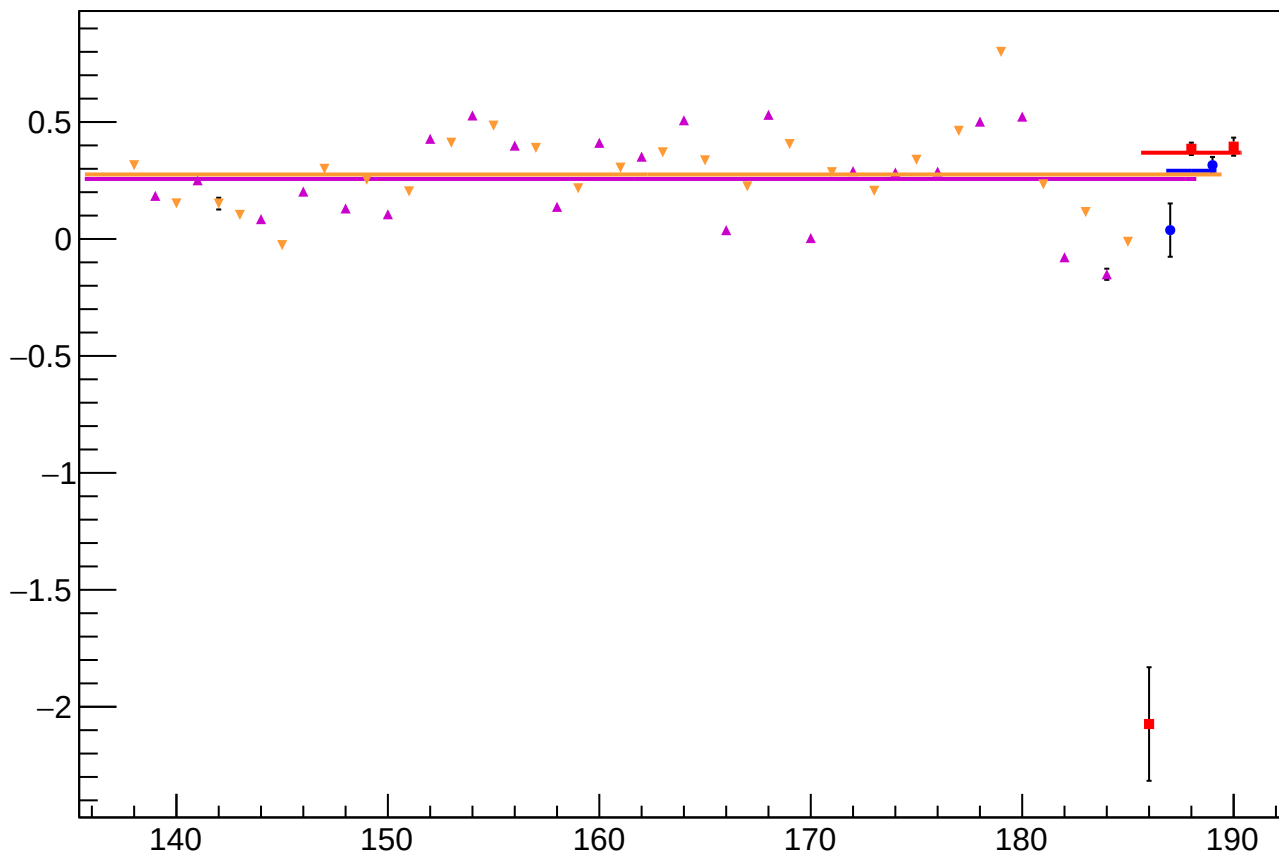
Left In: -53.359 $\pm$ 0.068 χ^2 /NDF: 6882.0/22

+ sign -54.123 $\pm$ 0.066 χ^2 /NDF: 8793.2/26

All: -53.668 $\pm$ 0.047 χ^2 /NDF: 17123.0/52

- sign -53.190 $\pm$ 0.068 χ^2 /NDF: 8233.0/25

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



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: 0.369 $\pm$ 0.022 χ^2 /NDF: 102.1/2

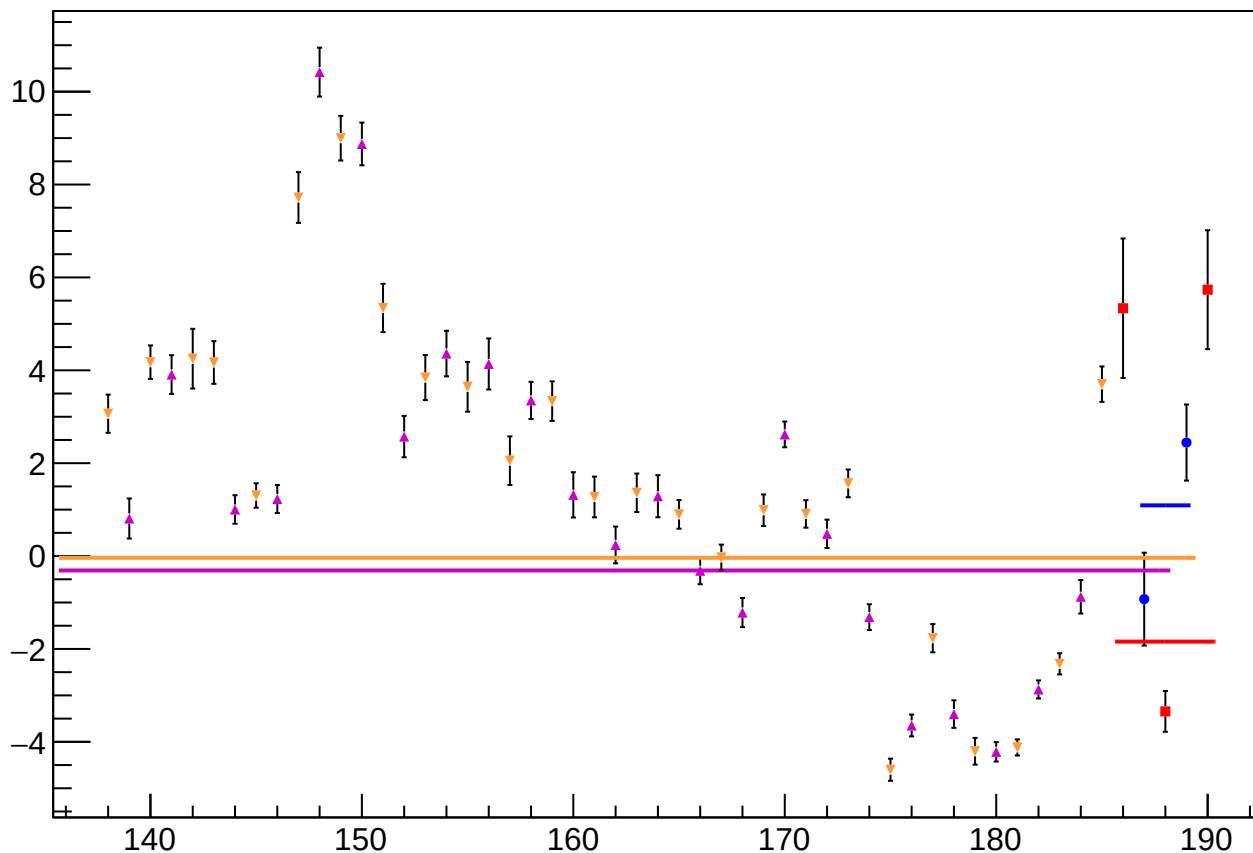
Left In: 0.257 $\pm$ 0.003 χ^2 /NDF: 3623.9/22

+ sign 0.276 $\pm$ 0.003 χ^2 /NDF: 2629.2/26

All: 0.268 $\pm$ 0.002 χ^2 /NDF: 6397.1/52

- sign 0.259 $\pm$ 0.003 χ^2 /NDF: 3752.2/25

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.092 ± 0.633 χ^2/NDF : 6.8/1

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: -1.842 ± 0.400 χ^2/NDF : 69.6/2

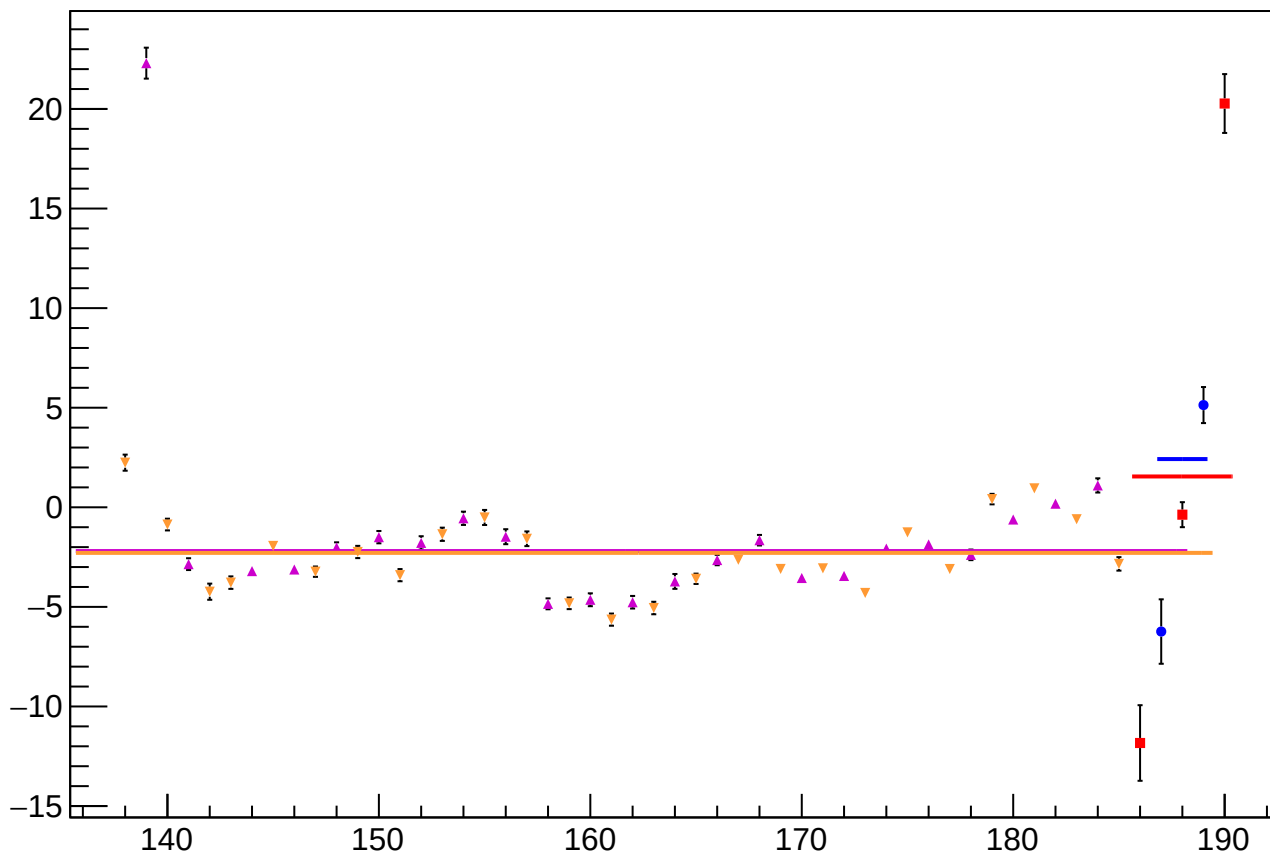
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign -0.025 ± 0.066 χ^2/NDF : 2647.6/26

All: -0.187 ± 0.047 χ^2/NDF : 4994.2/52

- sign -0.352 ± 0.066 χ^2/NDF : 2334.3/25

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 2.422 $\pm$ 0.790 χ^2 /NDF: 37.6/1

Left Out: -2.288 $\pm$ 0.054 χ^2 /NDF:1137.7/24

Right Out: 1.548 $\pm$ 0.553 χ^2 /NDF: 219.7/2

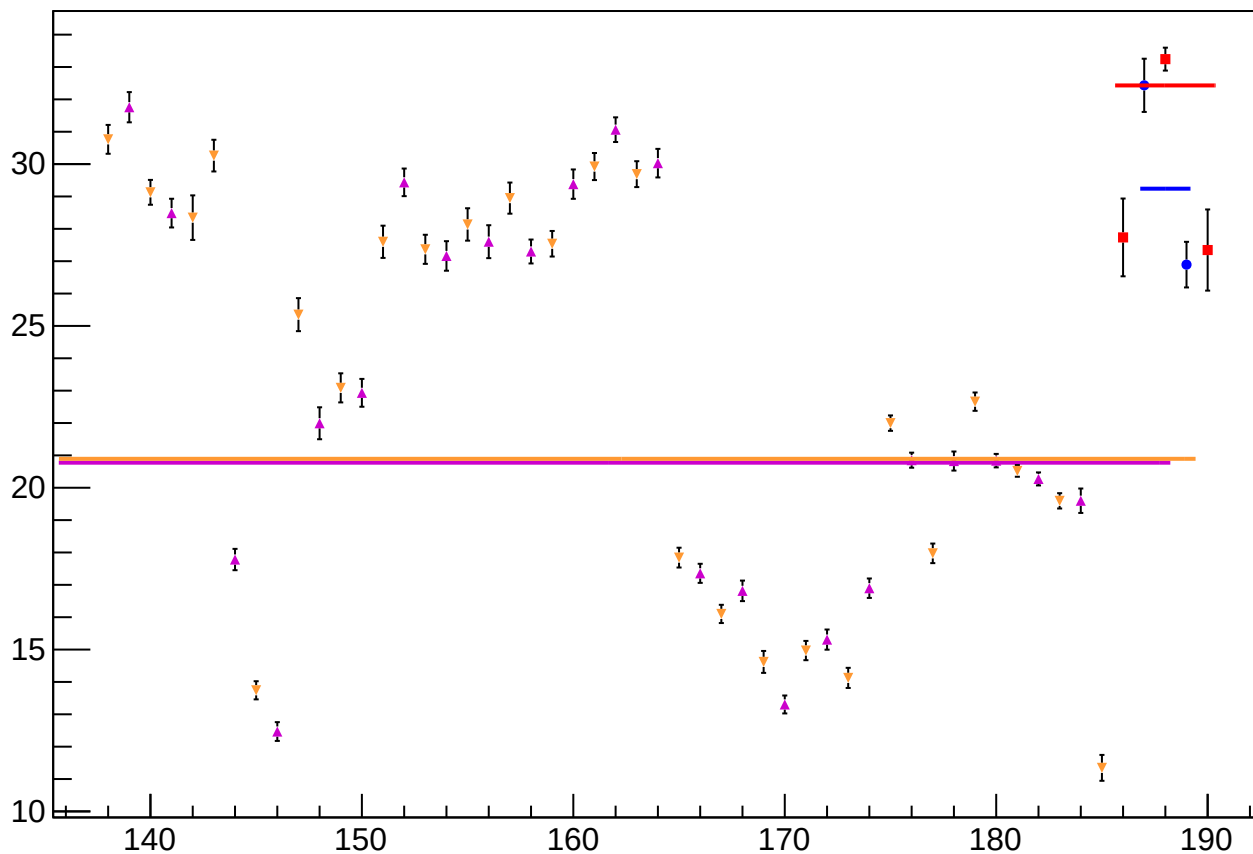
Left In: -2.198 $\pm$ 0.055 χ^2 /NDF:1673.9/22

+ sign -2.266 $\pm$ 0.054 χ^2 /NDF: 1210.7/26

All: -2.214 $\pm$ 0.038 χ^2 /NDF: 3151.7/52

- sign -2.161 $\pm$ 0.055 χ^2 /NDF: 1939.1/25

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 29.240 $\pm$ 0.535 χ^2 /NDF: 26.2/1

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF:6655.4/24

Right Out: 32.431 $\pm$ 0.328 χ^2 /NDF: 37.0/2

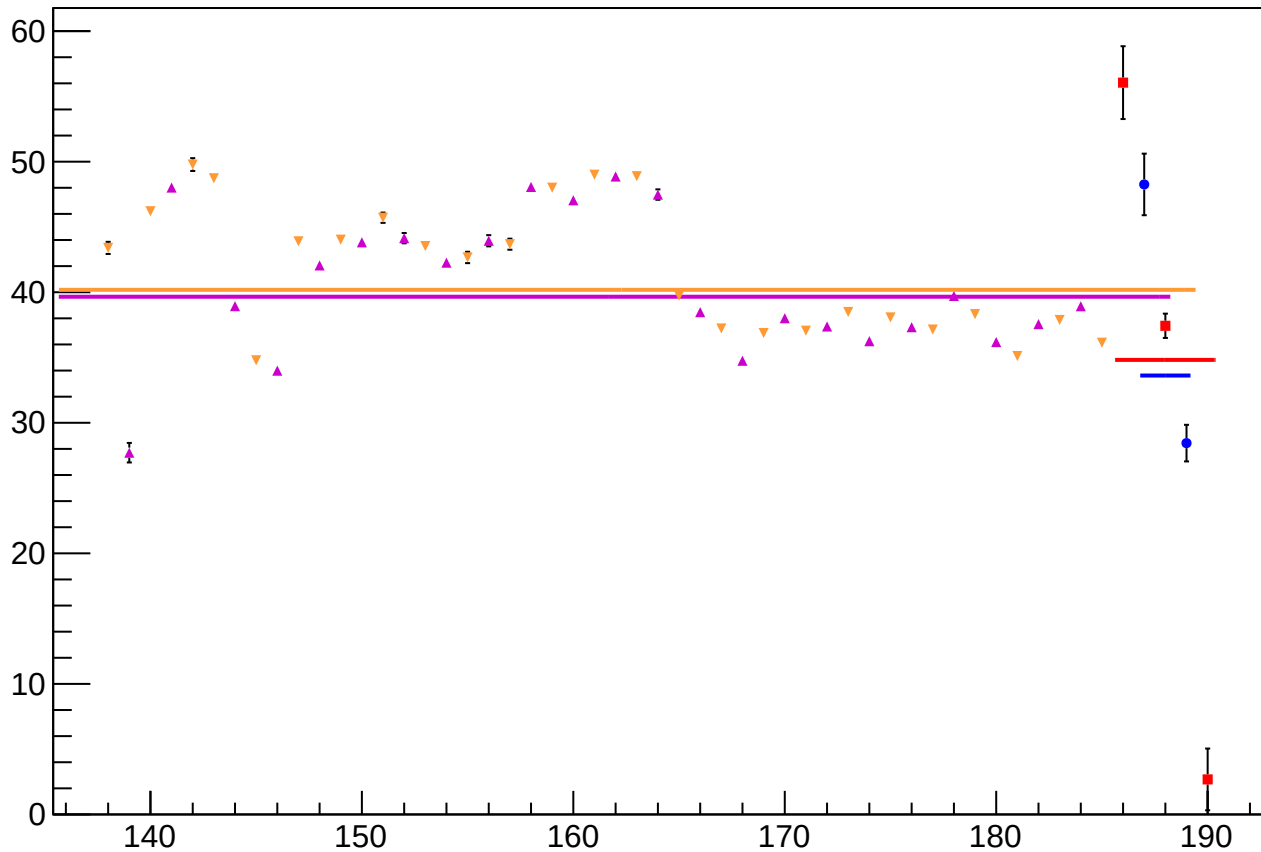
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22

+ sign 21.022 $\pm$ 0.066 χ^2 /NDF: 6921.1/26

All: 21.136 $\pm$ 0.047 χ^2 /NDF: 14105.4/52

- sign 21.249 $\pm$ 0.066 χ^2 /NDF: 7178.4/25

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 33.620 $\pm$ 1.205 χ^2 /NDF: 52.2/1

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 34.818 $\pm$ 0.827 χ^2 /NDF: 250.6/2

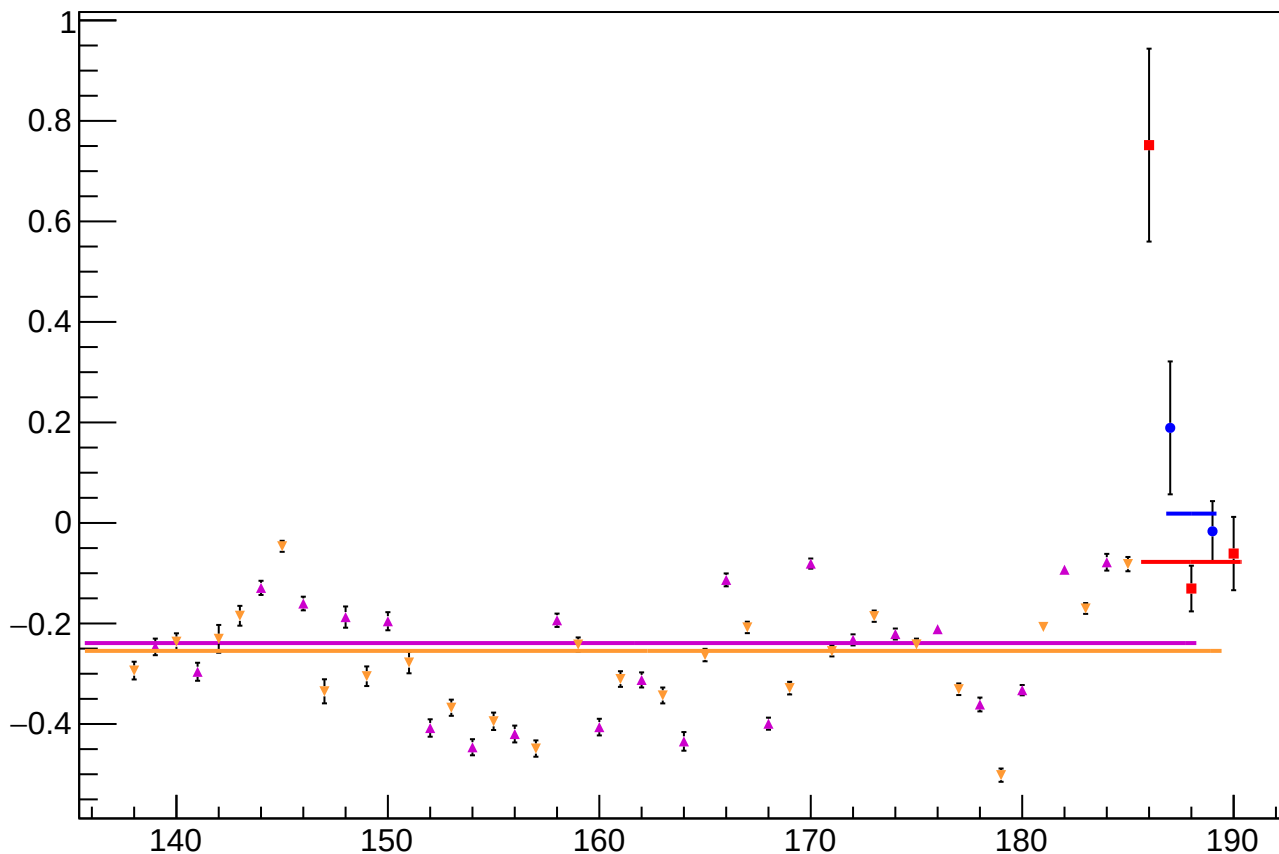
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 40.170 $\pm$ 0.060 χ^2 /NDF: 6014.4/26

All: 39.903 $\pm$ 0.043 χ^2 /NDF: 11637.3/52

- sign 39.629 $\pm$ 0.061 χ^2 /NDF: 5583.2/25

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.019 ± 0.055 $\chi^2/\text{NDF}: 2.0/1$

Left Out: -0.255 ± 0.003 $\chi^2/\text{NDF}: 1420.4/24$

Right Out: -0.077 ± 0.038 $\chi^2/\text{NDF}: 20.1/2$

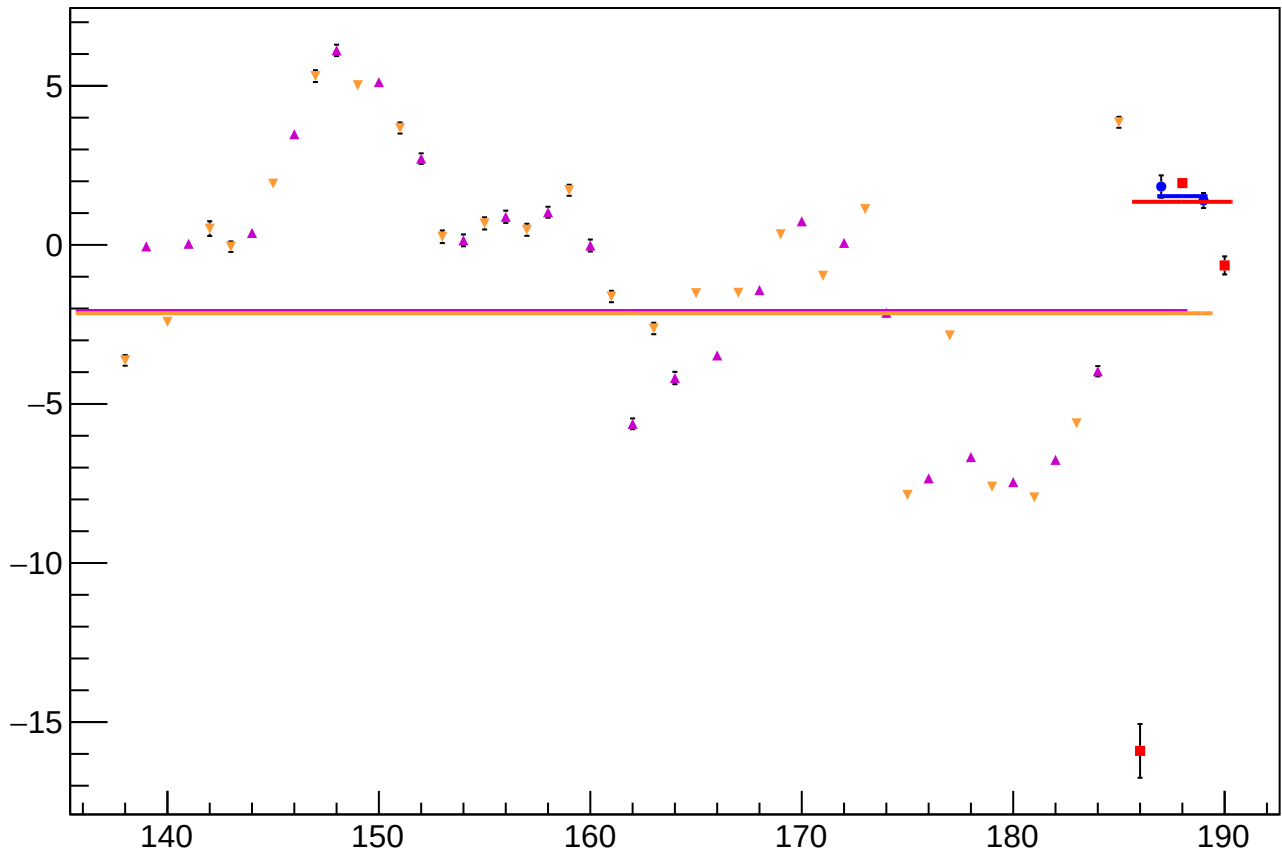
Left In: -0.239 ± 0.003 $\chi^2/\text{NDF}: 1750.5/22$

+ sign -0.254 ± 0.003 $\chi^2/\text{NDF}: 1447.4/26$

All: -0.246 ± 0.002 $\chi^2/\text{NDF}: 3252.3/52$

- sign -0.238 ± 0.003 $\chi^2/\text{NDF}: 1788.7/25$

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.533 $\pm$ 0.197 χ^2 /NDF: 1.1/1

Left Out: -2.149 $\pm$ 0.026 χ^2 /NDF: 24536.3/24

Right Out: 1.356 $\pm$ 0.102 χ^2 /NDF: 495.1/2

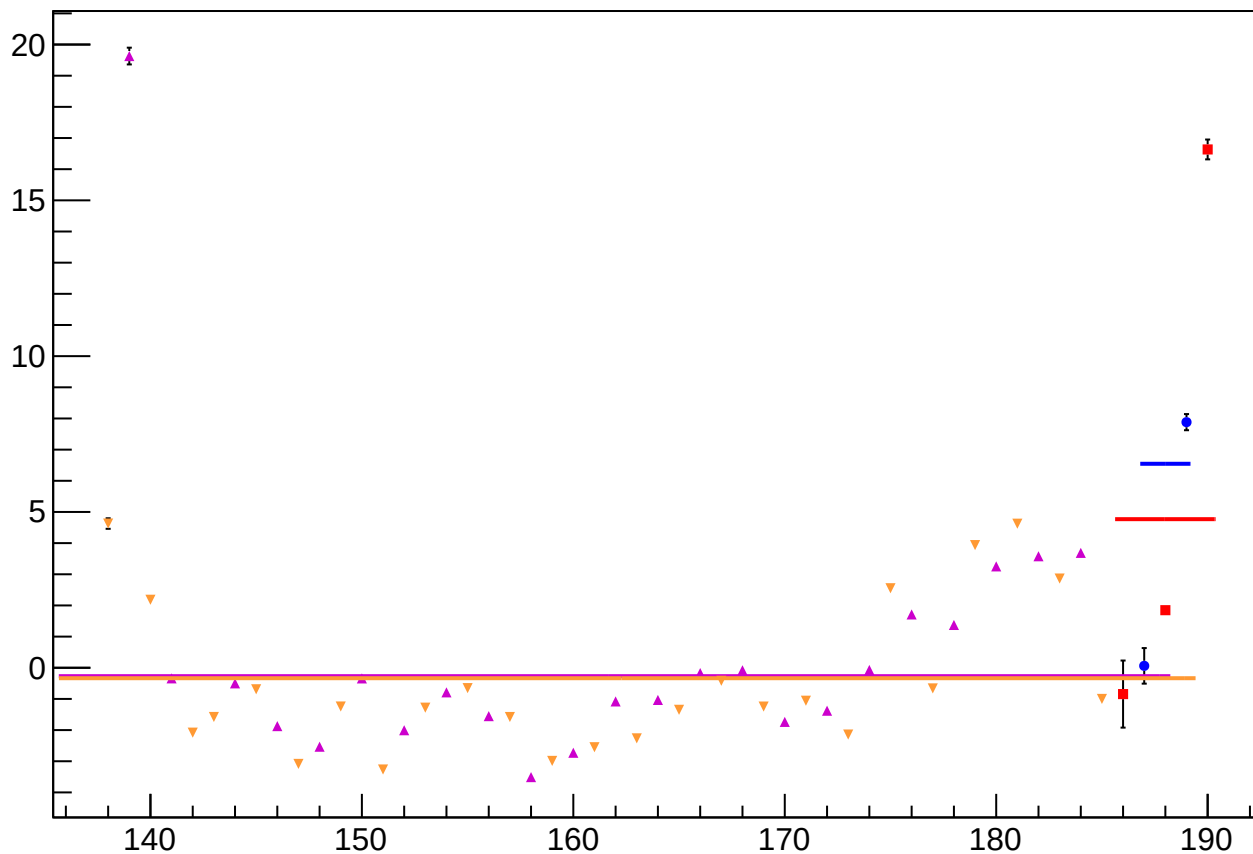
Left In: -2.078 $\pm$ 0.026 χ^2 /NDF: 23245.8/22

+ sign -2.087 $\pm$ 0.025 χ^2 /NDF: 24882.2/26

All: -1.976 $\pm$ 0.018 χ^2 /NDF: 49732.9/52

- sign -1.866 $\pm$ 0.025 χ^2 /NDF: 24812.6/25

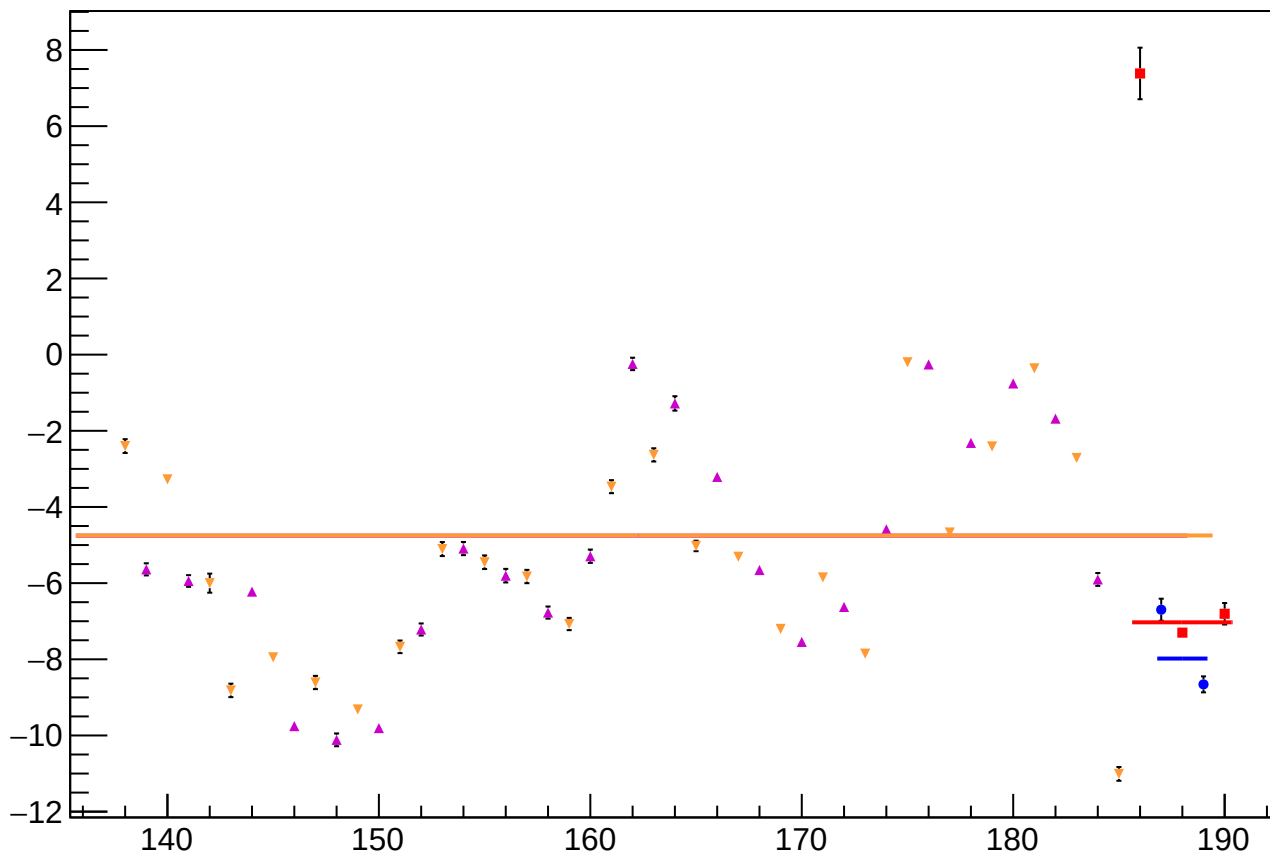
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



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: 4.769 ± 0.143 $\chi^2/\text{NDF}: 1742.6/2$
 Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign -0.283 ± 0.021 $\chi^2/\text{NDF}: 13596.0/26$
 All: -0.224 ± 0.015 $\chi^2/\text{NDF}: 29899.0/52$
 - sign -0.163 ± 0.021 $\chi^2/\text{NDF}: 16286.0/25$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -7.980 ± 0.170 χ^2/NDF : 30.0/1

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -7.029 ± 0.084 χ^2/NDF : 462.7/2

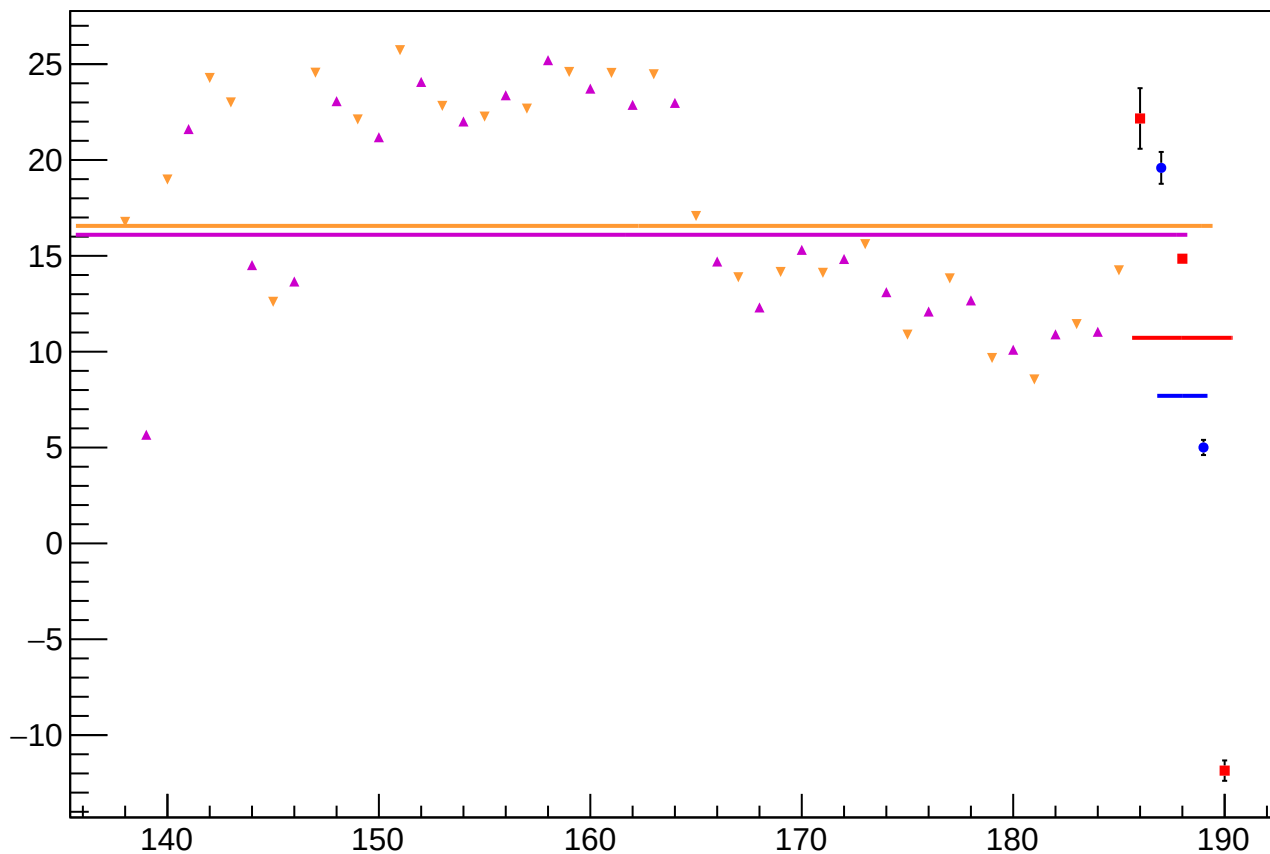
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.821 ± 0.026 χ^2/NDF : 13672.8/26

All: -4.889 ± 0.018 χ^2/NDF : 28936.0/52

- sign -4.954 ± 0.025 χ^2/NDF : 15249.3/25

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 7.698 ± 0.357 χ^2/NDF : 251.0/1

Left Out: 16.563 ± 0.023 χ^2/NDF : 53858.5/24

Right Out: 10.724 ± 0.212 χ^2/NDF : 2169.4/2

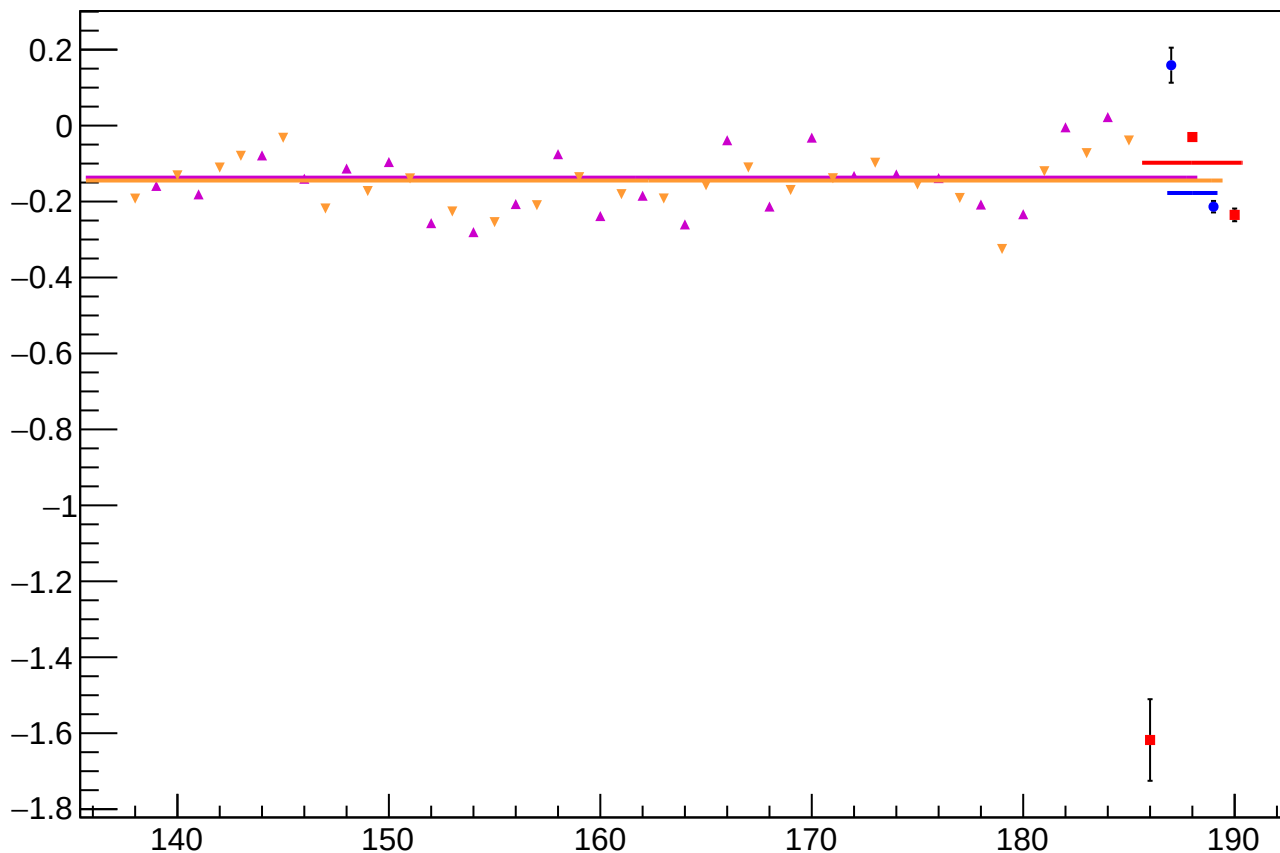
Left In: 16.098 ± 0.024 χ^2/NDF : 42345.7/22

+ sign 16.526 ± 0.023 χ^2/NDF : 54722.9/26

All: 16.283 ± 0.016 χ^2/NDF : 100096.4/52

- sign 16.033 ± 0.023 χ^2/NDF : 45149.0/25

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.014 χ^2/NDF : 58.8/1

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.098 ± 0.009 χ^2/NDF : 309.9/2

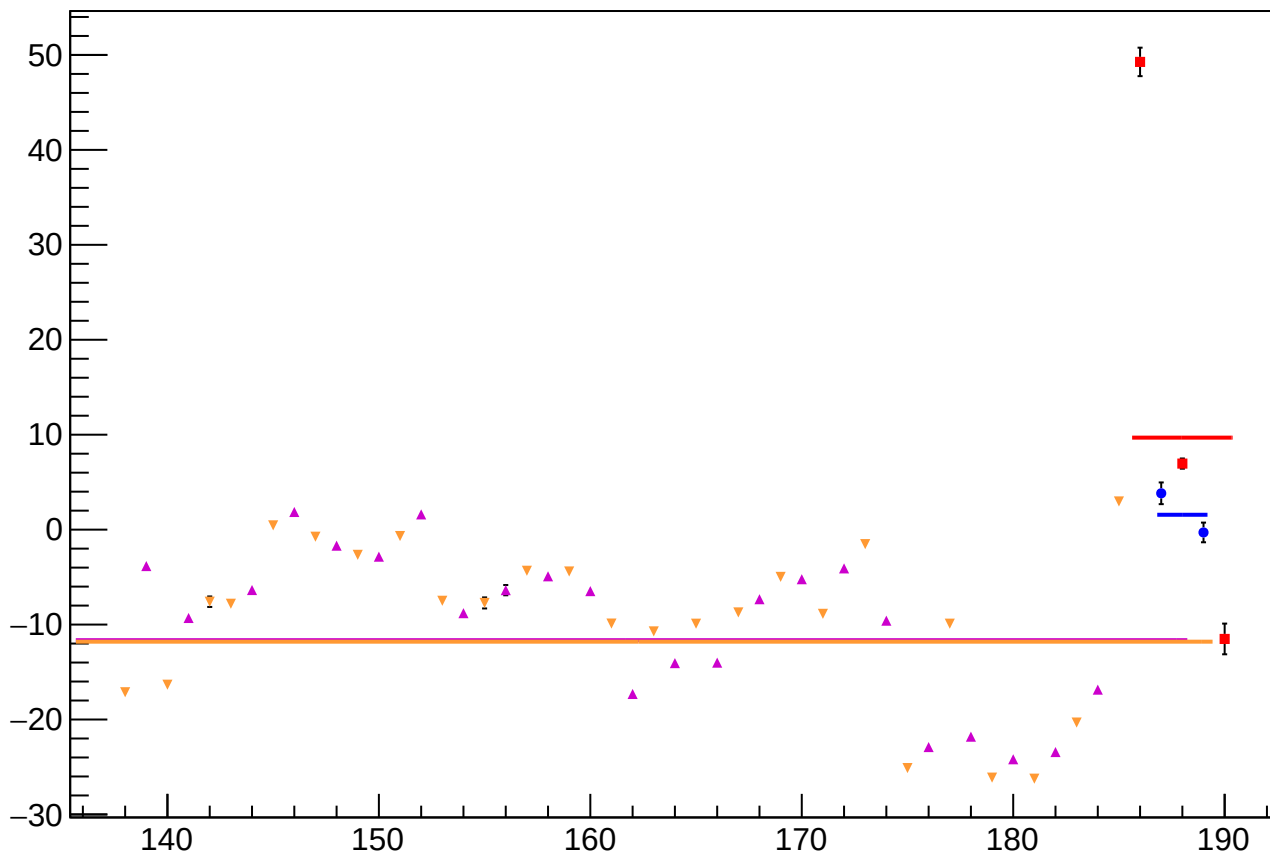
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.145 ± 0.001 χ^2/NDF : 3833.6/26

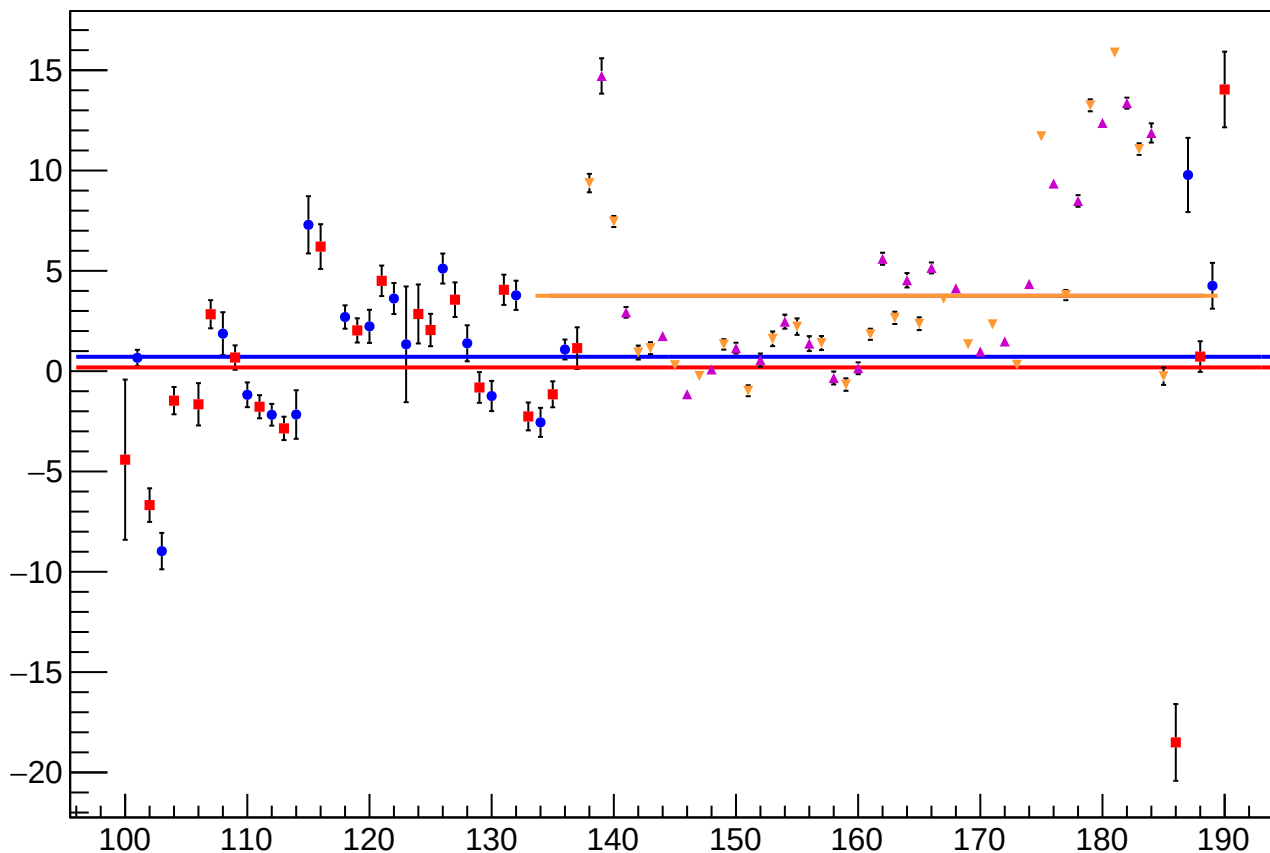
All: -0.141 ± 0.001 χ^2/NDF : 9586.6/52

- sign -0.136 ± 0.001 χ^2/NDF : 5722.1/25

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.717 ± 0.168 χ^2/NDF : 323.1/18

Left Out: 3.757 ± 0.056 χ^2/NDF : 7450.7/24

Right Out: 0.188 ± 0.169 χ^2/NDF : 421.0/21

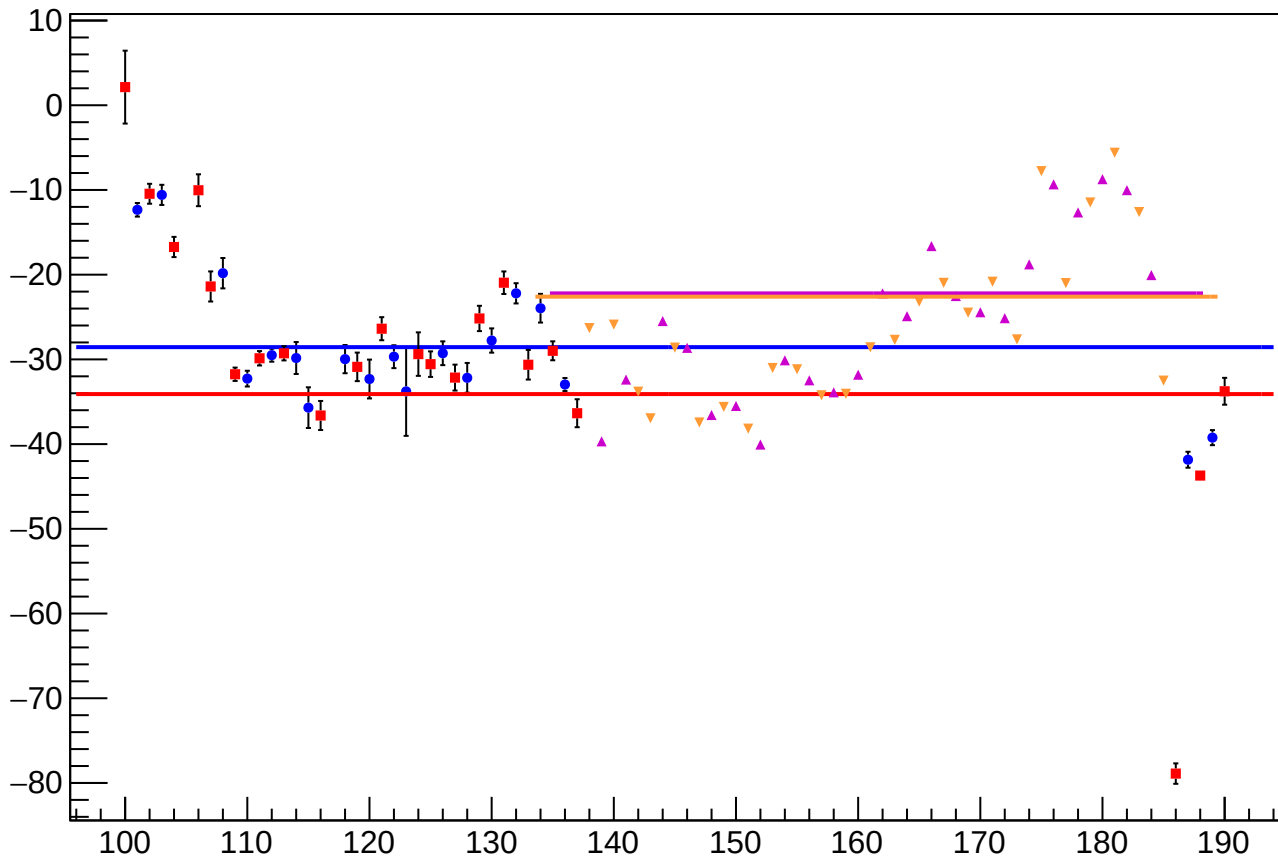
Left In: 3.757 ± 0.057 χ^2/NDF : 5629.4/22

+ sign 3.457 ± 0.053 χ^2/NDF : 8069.4/43

All: 3.428 ± 0.038 χ^2/NDF : 14521.0/88

- sign 3.397 ± 0.054 χ^2/NDF : 6451.0/44

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -28.554 ± 0.273 χ^2/NDF : 1109.2/18

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -34.095 ± 0.238 χ^2/NDF : 3051.2/21

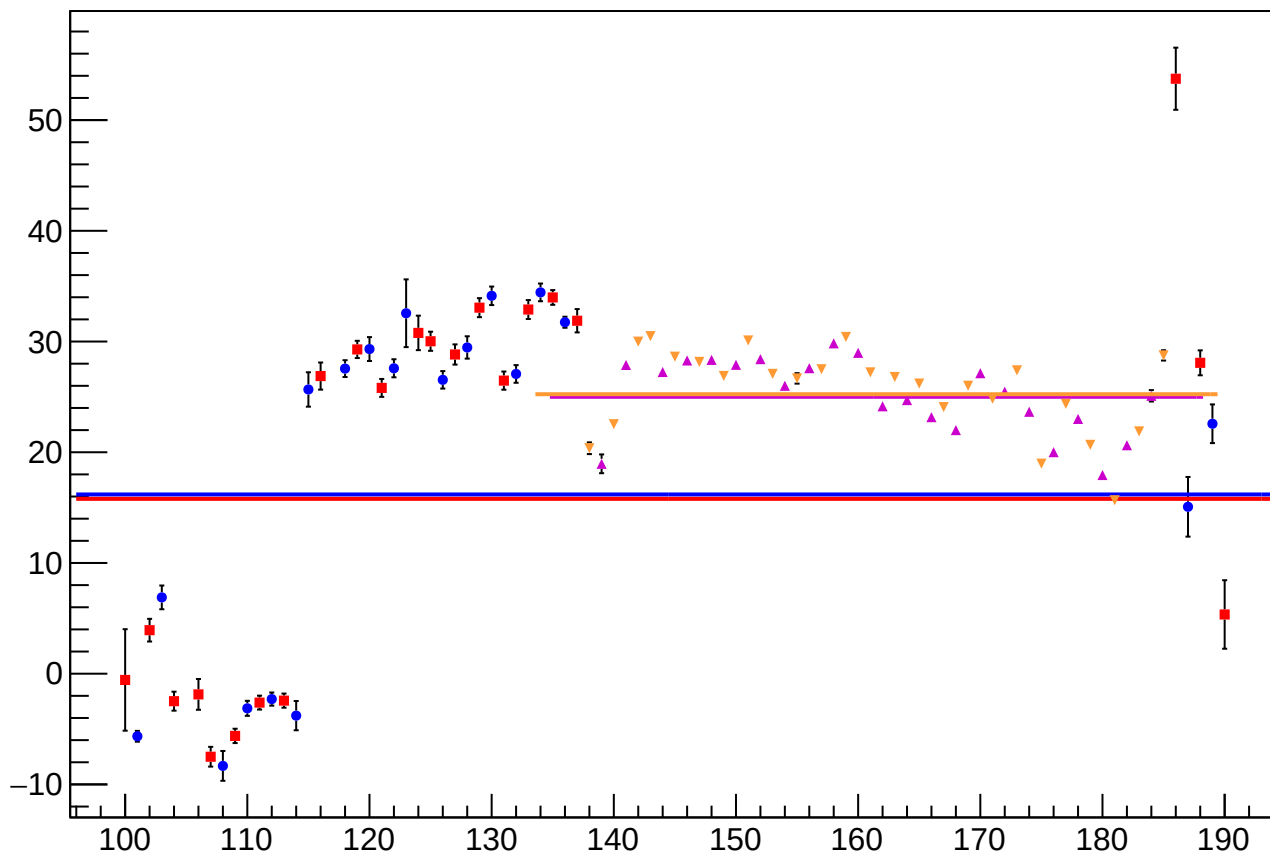
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -22.972 ± 0.068 χ^2/NDF : 21489.3/43

All: -23.084 ± 0.048 χ^2/NDF : 44461.8/88

- sign -23.196 ± 0.069 χ^2/NDF : 22967.1/44

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.187 $\pm$ 0.191 χ^2 /NDF: 7555.8/18

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.791 $\pm$ 0.194 χ^2 /NDF: 7582.0/21

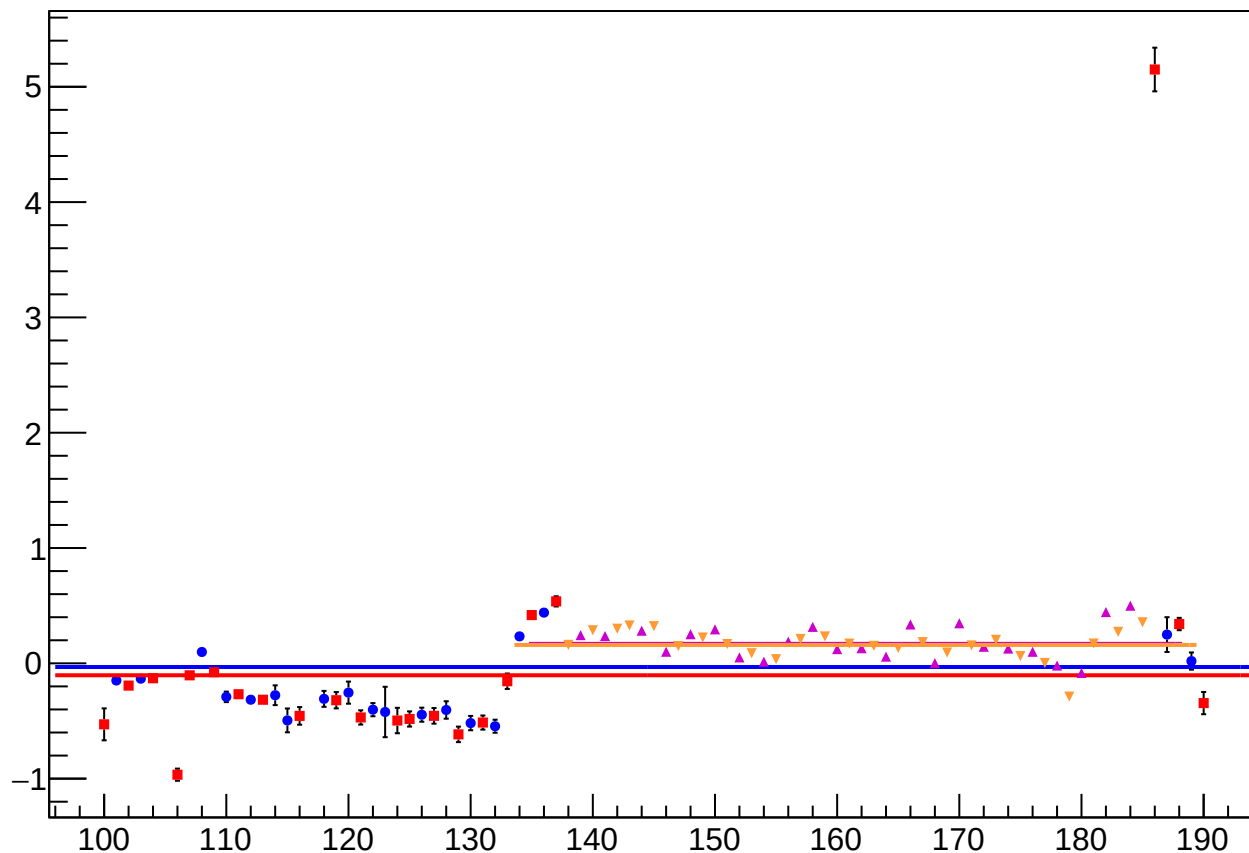
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.361 $\pm$ 0.059 χ^2 /NDF: 13376.1/43

All: 24.235 $\pm$ 0.042 χ^2 /NDF: 25734.7/88

- sign 24.104 $\pm$ 0.061 χ^2 /NDF: 12349.4/44

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



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: -0.103 ± 0.010 χ^2/NDF : 2013.0/21

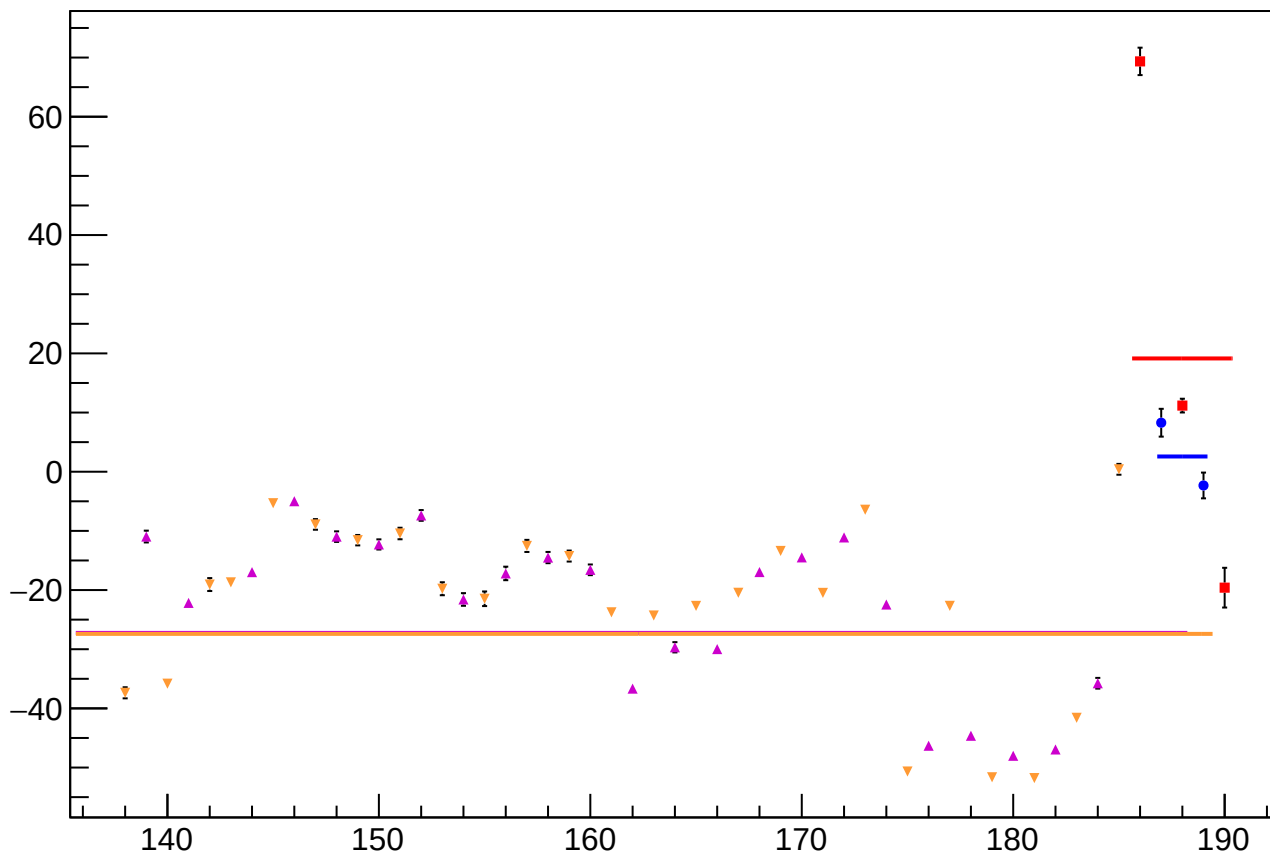
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.145 ± 0.003 χ^2/NDF : 3204.5/43

All: 0.147 ± 0.002 χ^2/NDF : 8305.1/88

- sign 0.148 ± 0.003 χ^2/NDF : 5100.2/44

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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: 19.145+/-0.992 χ^2/NDF : 649.6/2

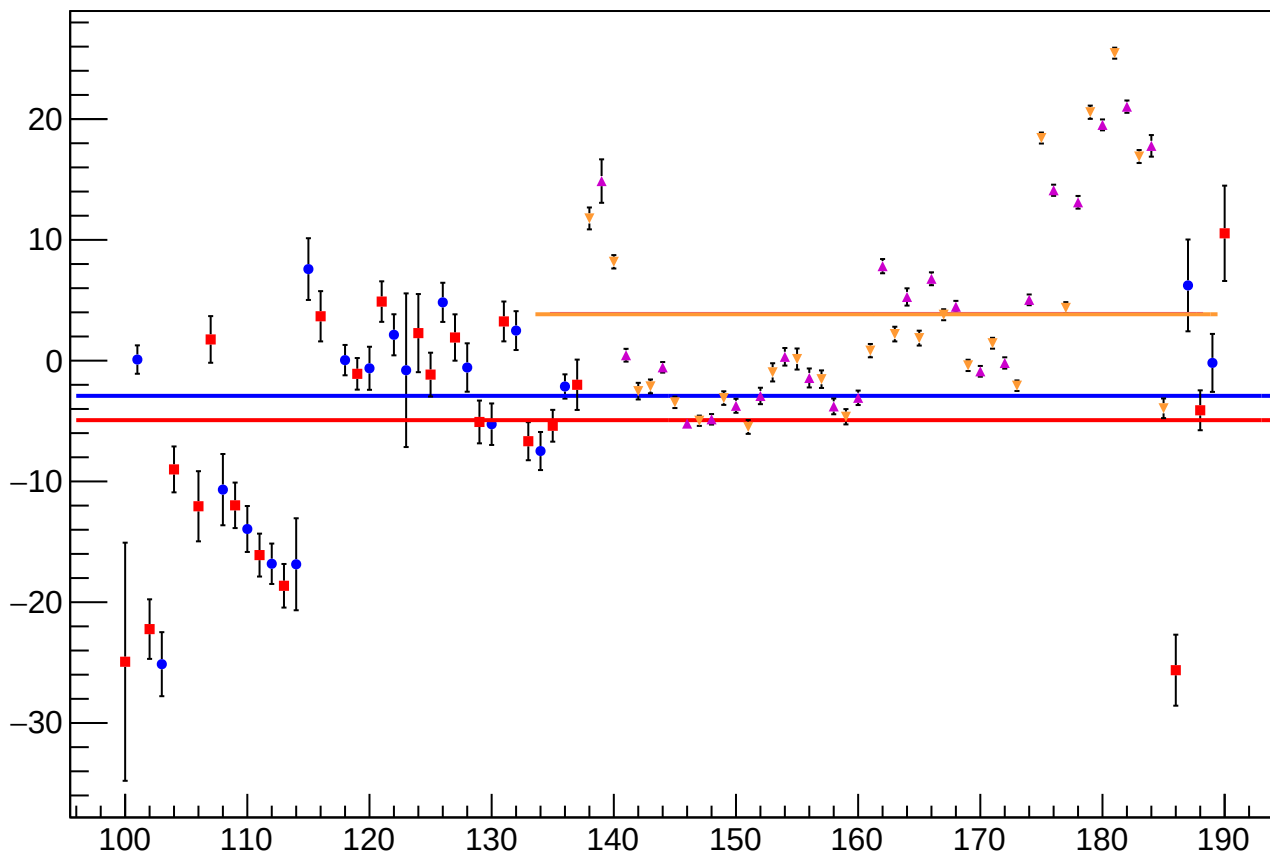
Left In: -27.243+/-0.139 χ^2/NDF :11305.2/22

+ sign -27.189+/-0.136 χ^2/NDF : 15211.1/26

All: -26.772+/-0.097 χ^2/NDF : 29330.4/52

- sign -26.345+/-0.138 χ^2/NDF : 14100.3/25

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.403 $\chi^2/\text{NDF}: 286.1/18$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -4.926 ± 0.407 $\chi^2/\text{NDF}: 362.2/21$

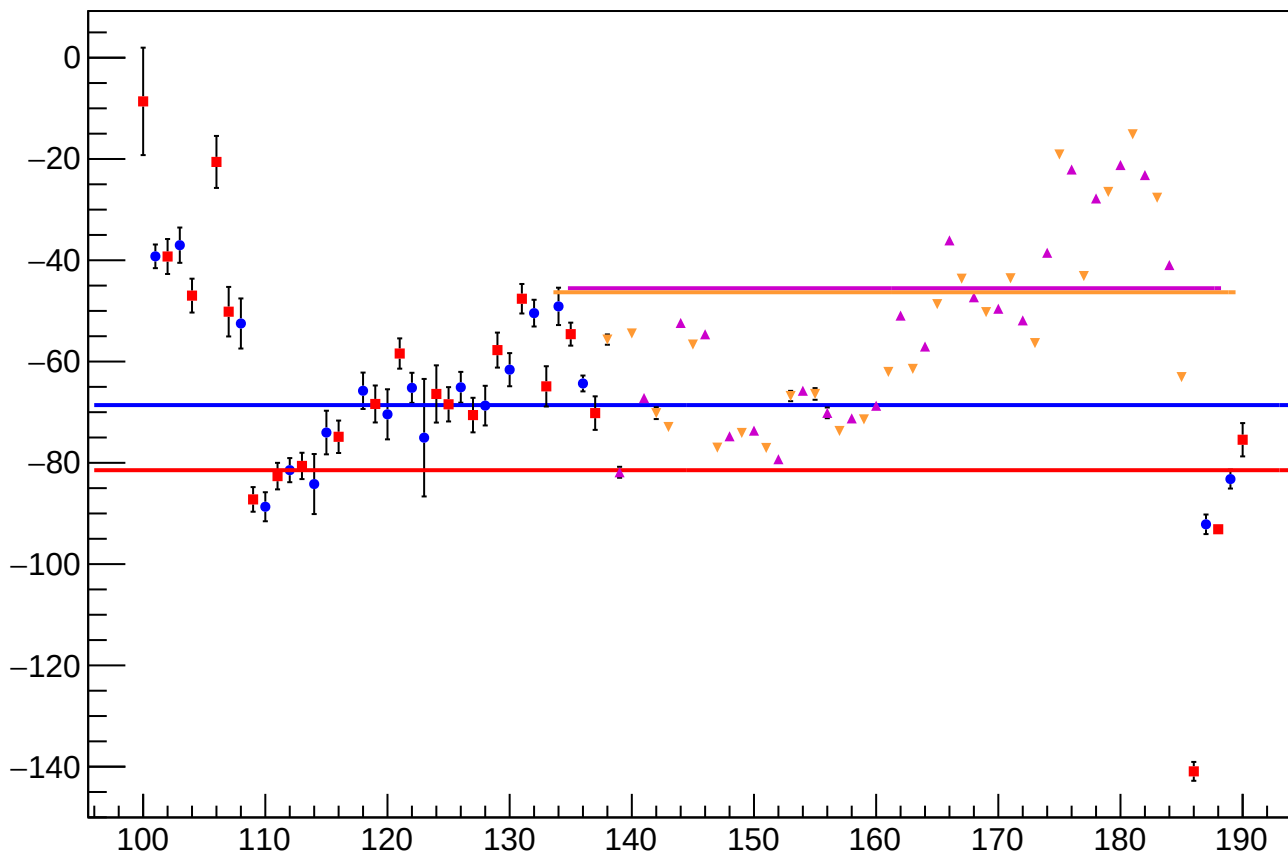
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.380 ± 0.105 $\chi^2/\text{NDF}: 7486.6/43$

All: 3.319 ± 0.075 $\chi^2/\text{NDF}: 13707.1/88$

- sign 3.256 ± 0.107 $\chi^2/\text{NDF}: 6219.9/44$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



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: -81.454 ± 0.552 χ^2/NDF : 2127.6/21

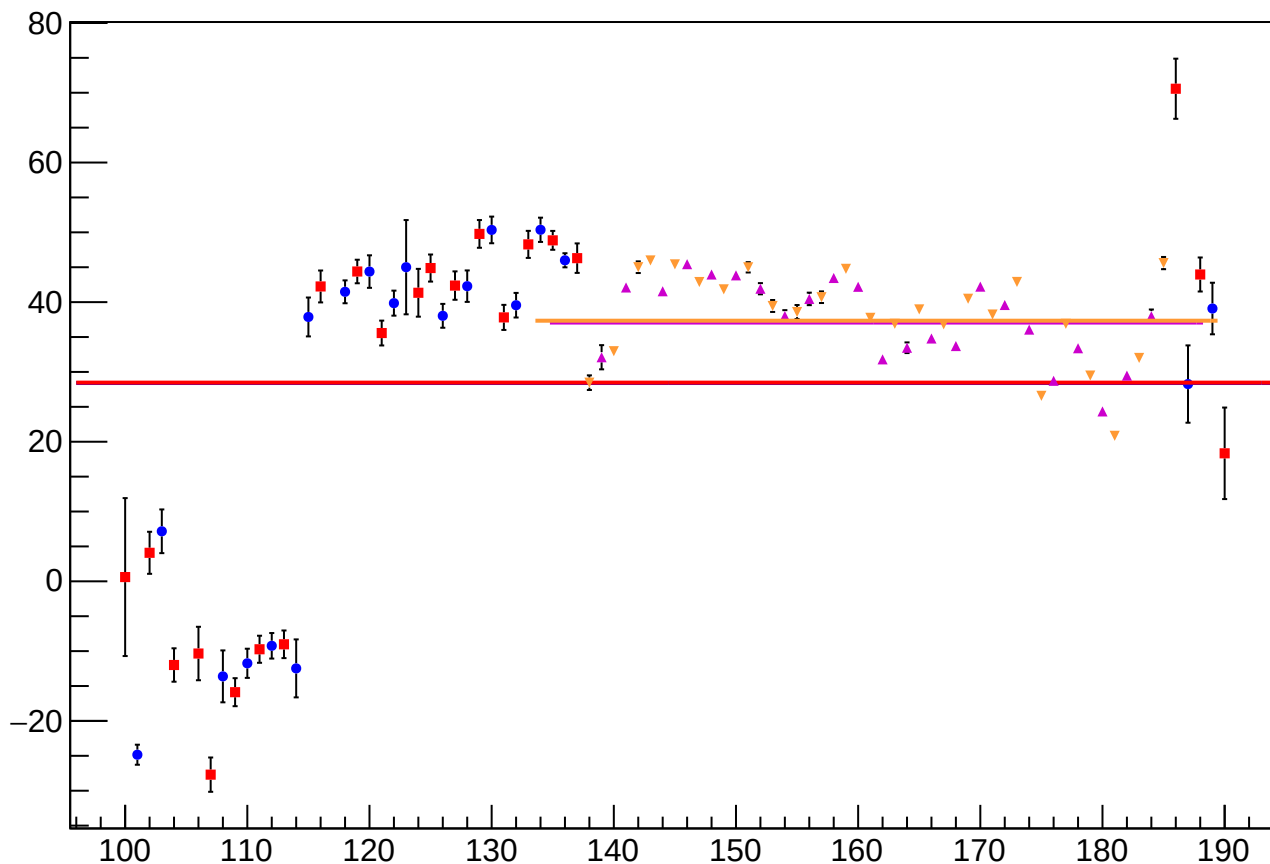
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -47.280 ± 0.135 χ^2/NDF : 21898.4/43

All: -47.483 ± 0.096 χ^2/NDF : 45539.9/88

- sign -47.687 ± 0.135 χ^2/NDF : 23637.0/44

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.412 $\pm$ 0.456 χ^2 /NDF: 3319.3/18

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.467 $\pm$ 0.467 χ^2 /NDF: 3174.8/21

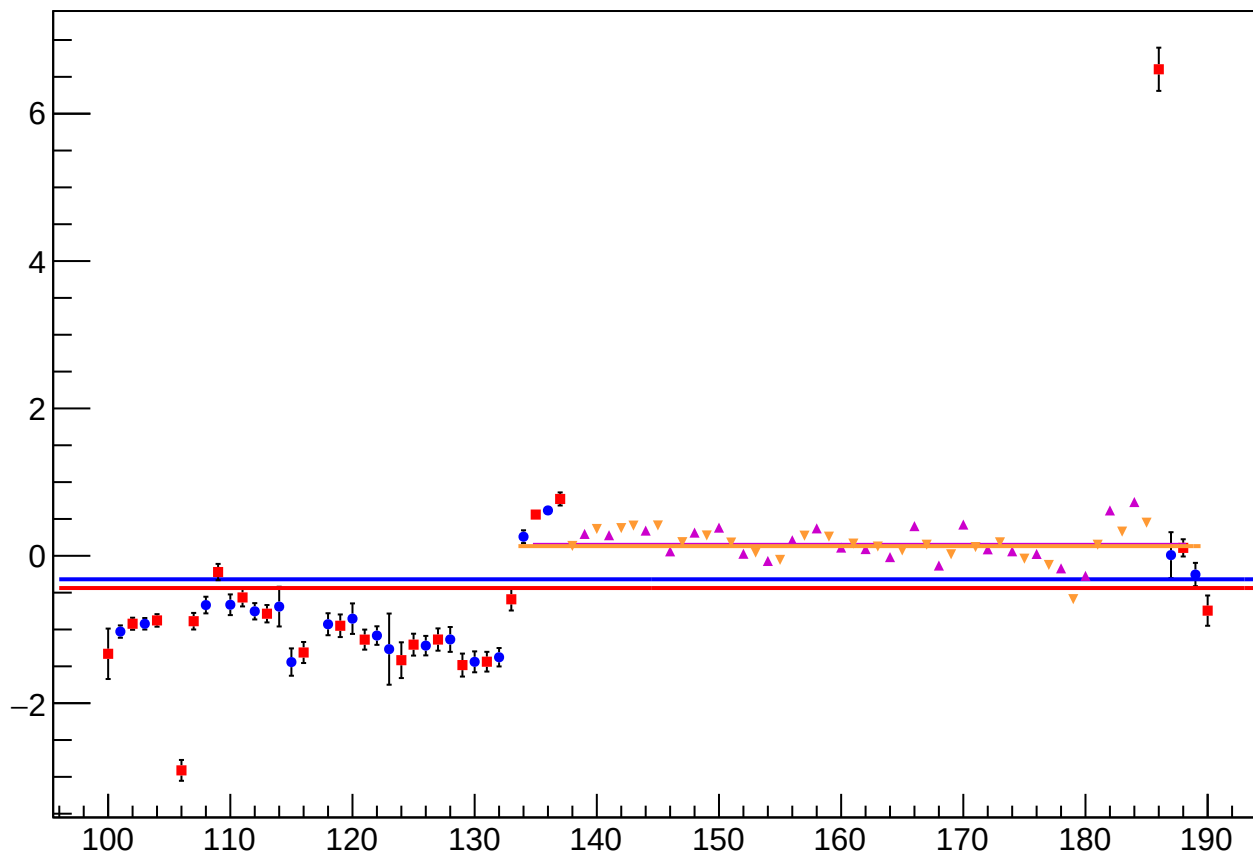
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.735 $\pm$ 0.119 χ^2 /NDF: 6826.2/43

All: 36.618 $\pm$ 0.085 χ^2 /NDF: 12717.6/88

- sign 36.496 $\pm$ 0.121 χ^2 /NDF: 5889.4/44

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



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: -0.438 ± 0.025 χ^2/NDF : 1768.4/21

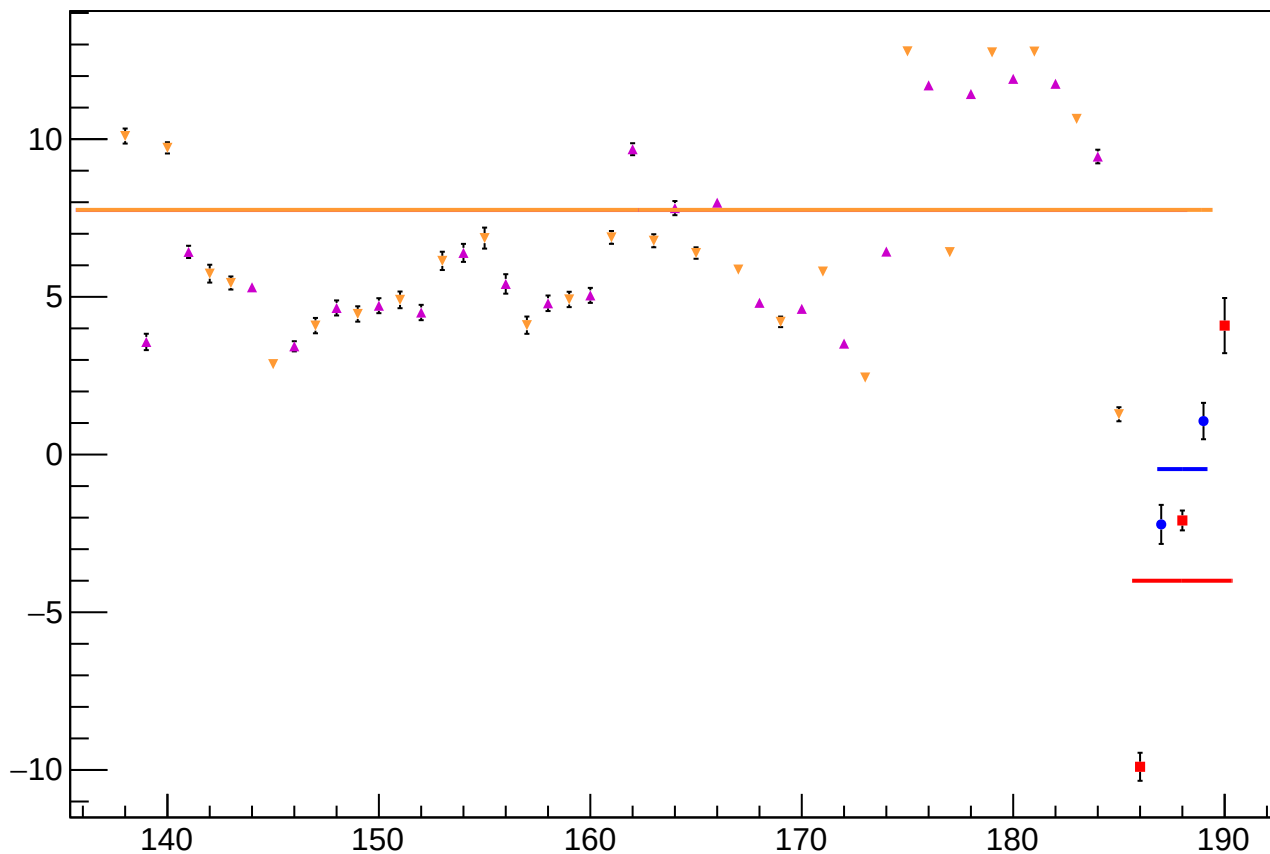
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.109 ± 0.005 χ^2/NDF : 2755.8/43

All: 0.114 ± 0.004 χ^2/NDF : 6855.8/88

- sign 0.119 ± 0.006 χ^2/NDF : 4098.3/44

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: -0.461 ± 0.422 $\chi^2/\text{NDF}: 15.0/1$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: -4.000 ± 0.246 $\chi^2/\text{NDF}: 298.8/2$

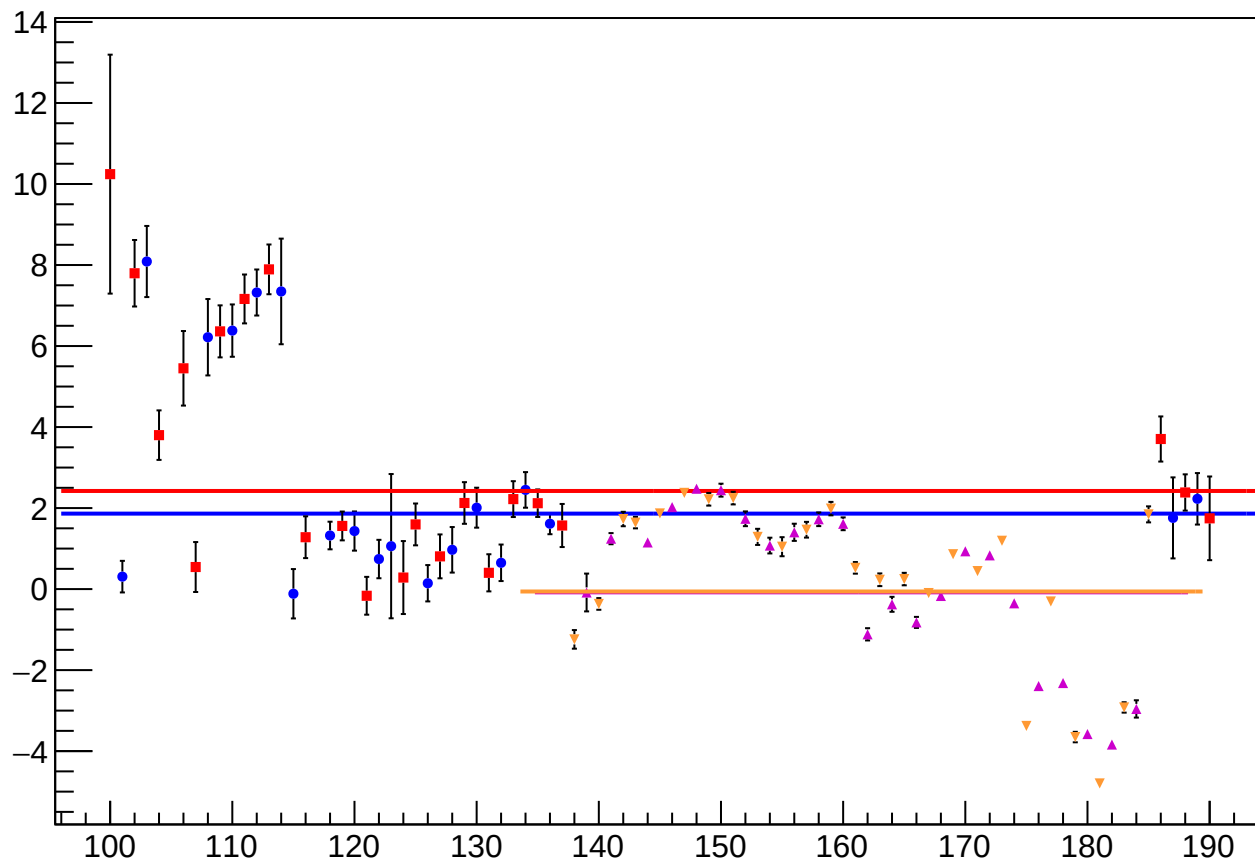
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.703 ± 0.034 $\chi^2/\text{NDF}: 12120.4/26$

All: 7.613 ± 0.024 $\chi^2/\text{NDF}: 23009.6/52$

- sign 7.519 ± 0.035 $\chi^2/\text{NDF}: 10875.0/25$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.863 ± 0.115 χ^2/NDF : 293.6/18

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.422 ± 0.115 χ^2/NDF : 341.4/21

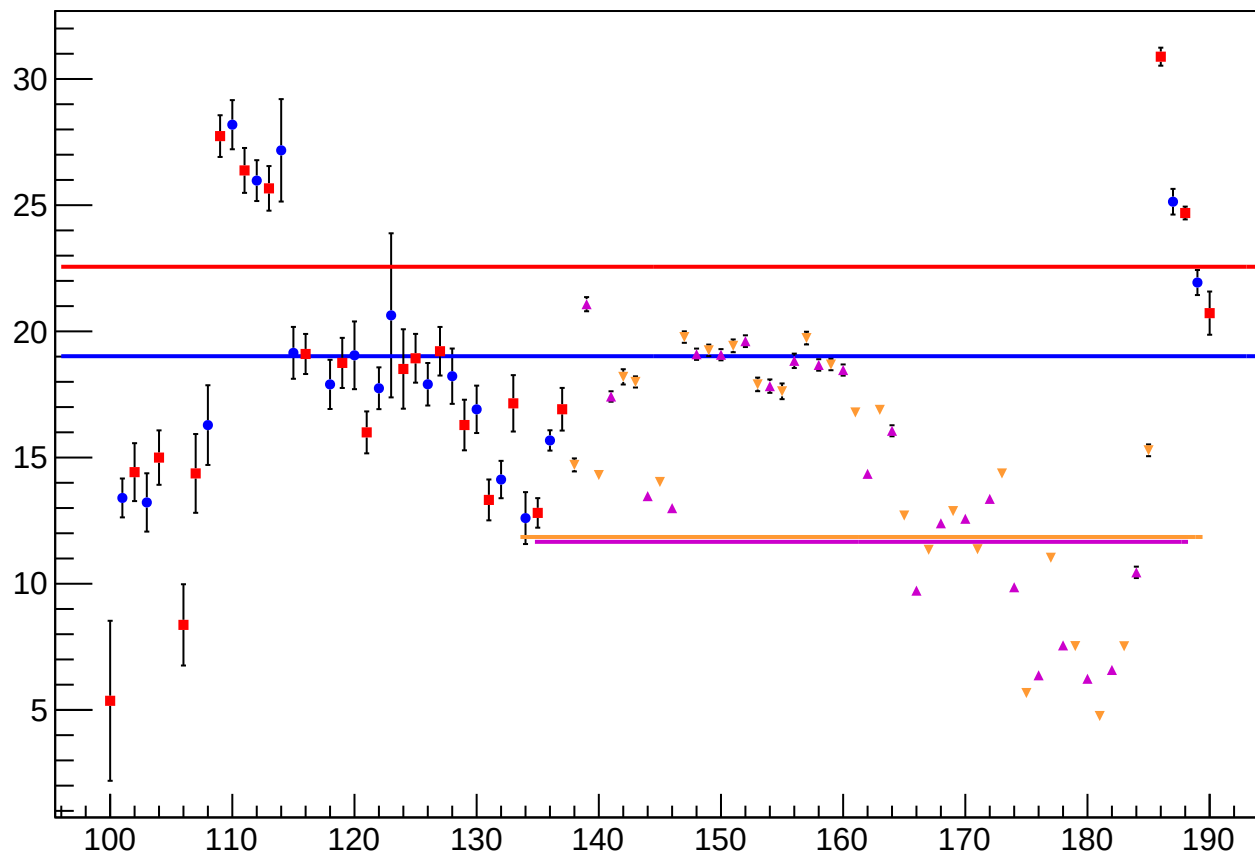
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.047 ± 0.027 χ^2/NDF : 6628.2/43

All: 0.054 ± 0.019 χ^2/NDF : 12395.4/88

- sign 0.062 ± 0.027 χ^2/NDF : 5767.0/44

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.016 ± 0.183 χ^2/NDF : 601.8/18

Left Out: 11.853 ± 0.035 χ^2/NDF : 19149.4/24

Right Out: 22.560 ± 0.148 χ^2/NDF : 1566.7/21

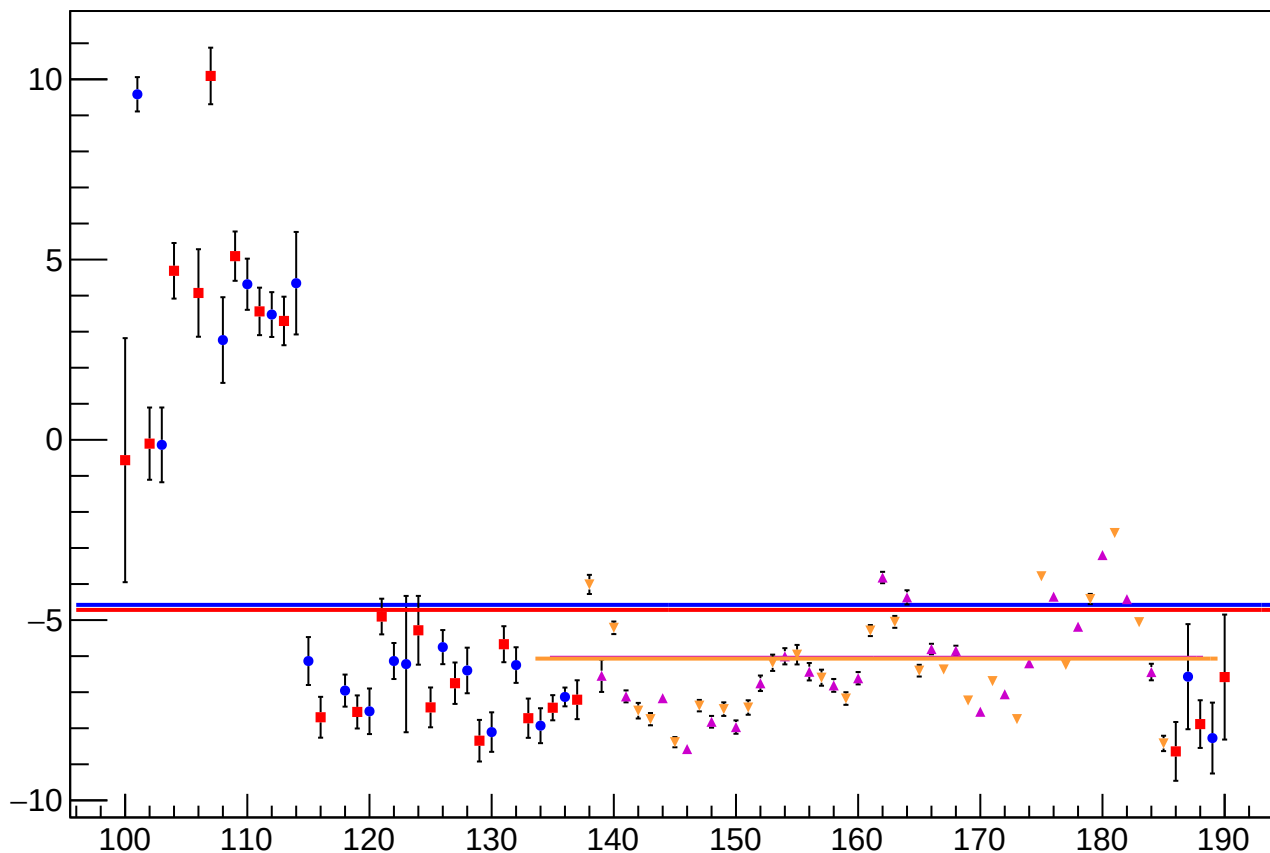
Left In: 11.660 ± 0.035 χ^2/NDF : 16710.2/22

+ sign 12.102 ± 0.034 χ^2/NDF : 21236.6/43

All: 12.171 ± 0.024 χ^2/NDF : 44638.8/88

- sign 12.241 ± 0.034 χ^2/NDF : 23393.9/44

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.578 ± 0.129 χ^2/NDF : 1599.2/18

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.717 ± 0.132 χ^2/NDF : 1391.3/21

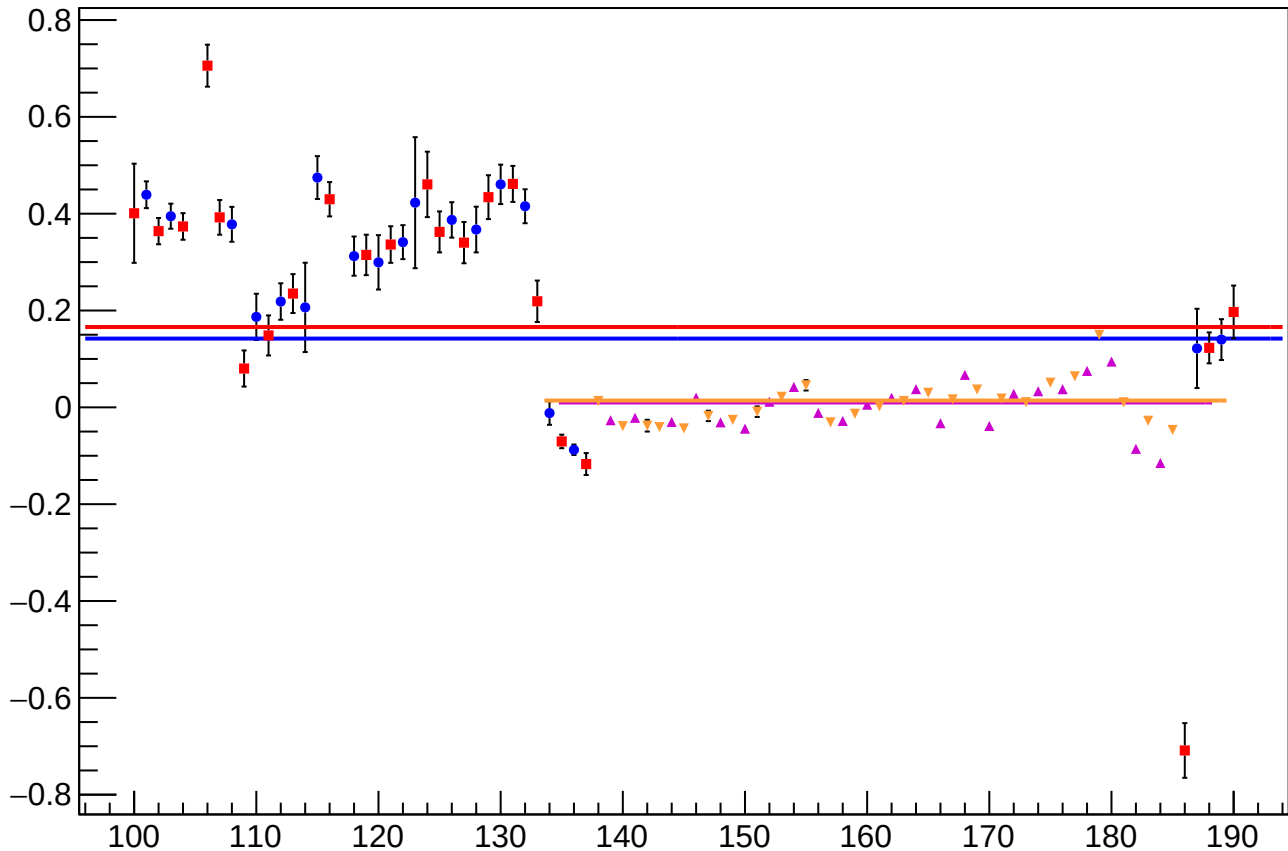
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.986 ± 0.030 χ^2/NDF : 4397.2/43

All: -5.980 ± 0.022 χ^2/NDF : 8177.7/88

- sign -5.973 ± 0.031 χ^2/NDF : 3780.4/44

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 χ^2/NDF : 1057.8/18

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.166 ± 0.007 χ^2/NDF : 1246.2/21

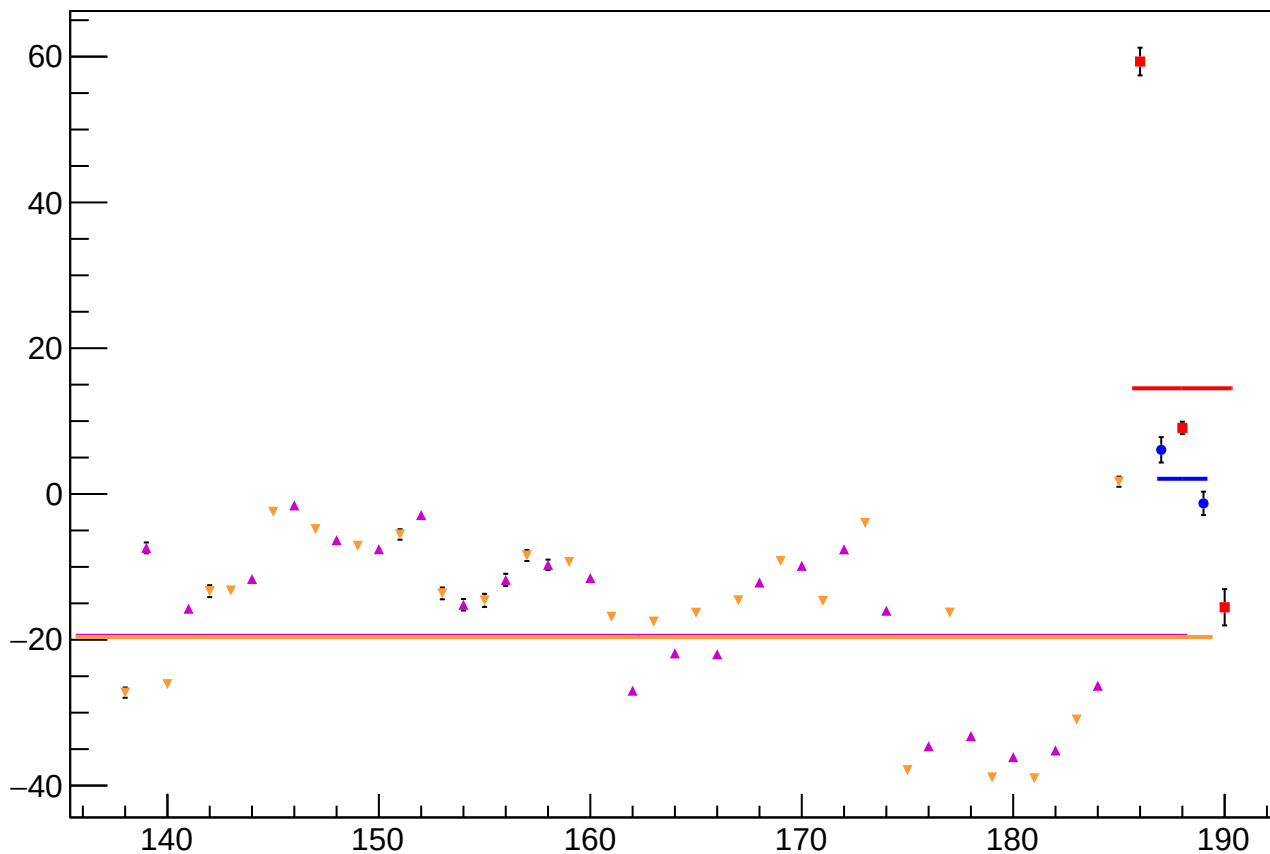
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.019 ± 0.001 χ^2/NDF : 2339.1/43

All: 0.018 ± 0.001 χ^2/NDF : 5265.4/88

- sign 0.016 ± 0.001 χ^2/NDF : 2924.2/44

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: 2.088+/-1.180 χ^2/NDF : 9.6/1

Left Out: -19.612+/-0.103 χ^2/NDF :15761.3/24

Right Out: 14.502+/-0.739 χ^2/NDF : 743.3/2

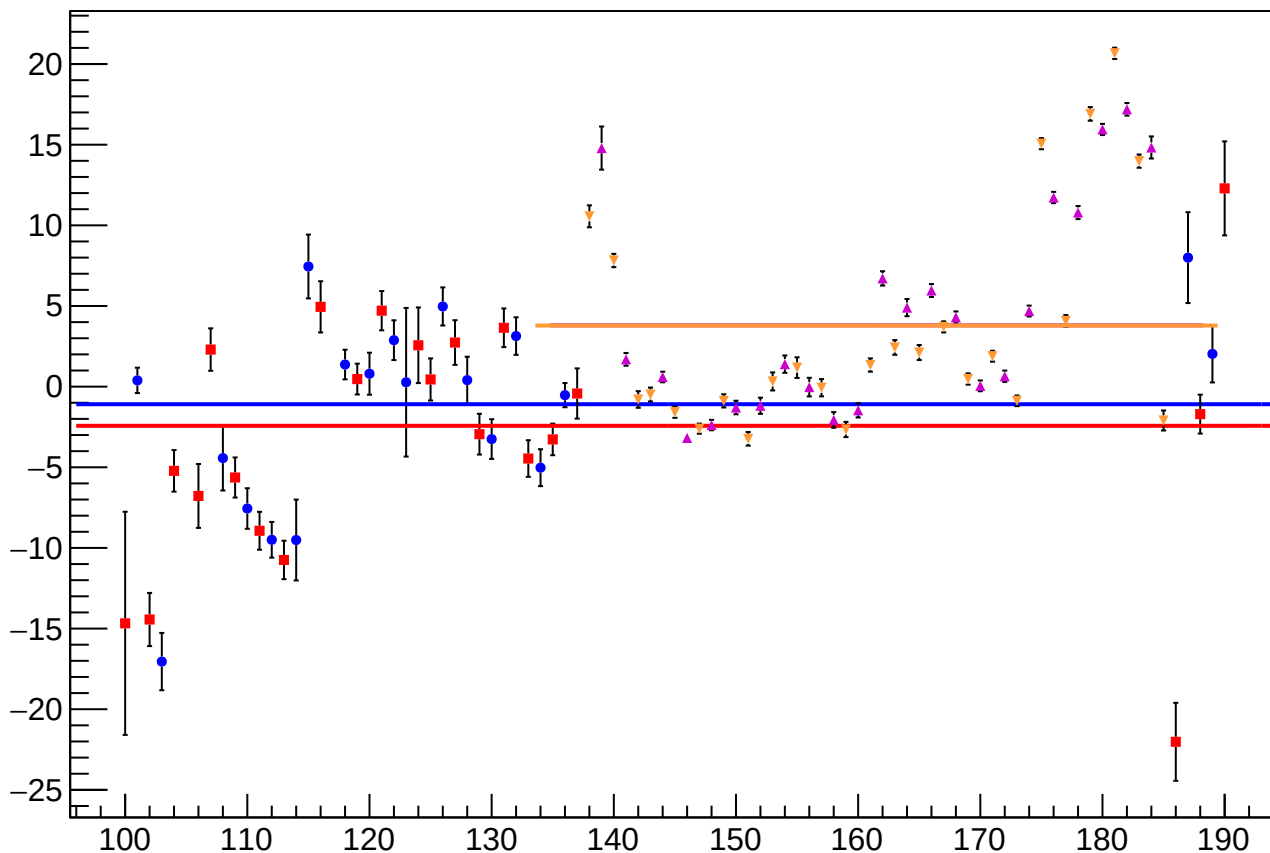
Left In: -19.450+/-0.105 χ^2/NDF :12283.1/22

+ sign -19.448+/-0.103 χ^2/NDF : 16106.3/26

All: -19.117+/-0.073 χ^2/NDF : 31220.5/52

- sign -18.778+/-0.104 χ^2/NDF : 15093.3/25

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.091 ± 0.287 $\chi^2/\text{NDF}: 290.4/18$

Left Out: 3.788 ± 0.082 $\chi^2/\text{NDF}: 7150.5/24$

Right Out: -2.428 ± 0.290 $\chi^2/\text{NDF}: 376.1/21$

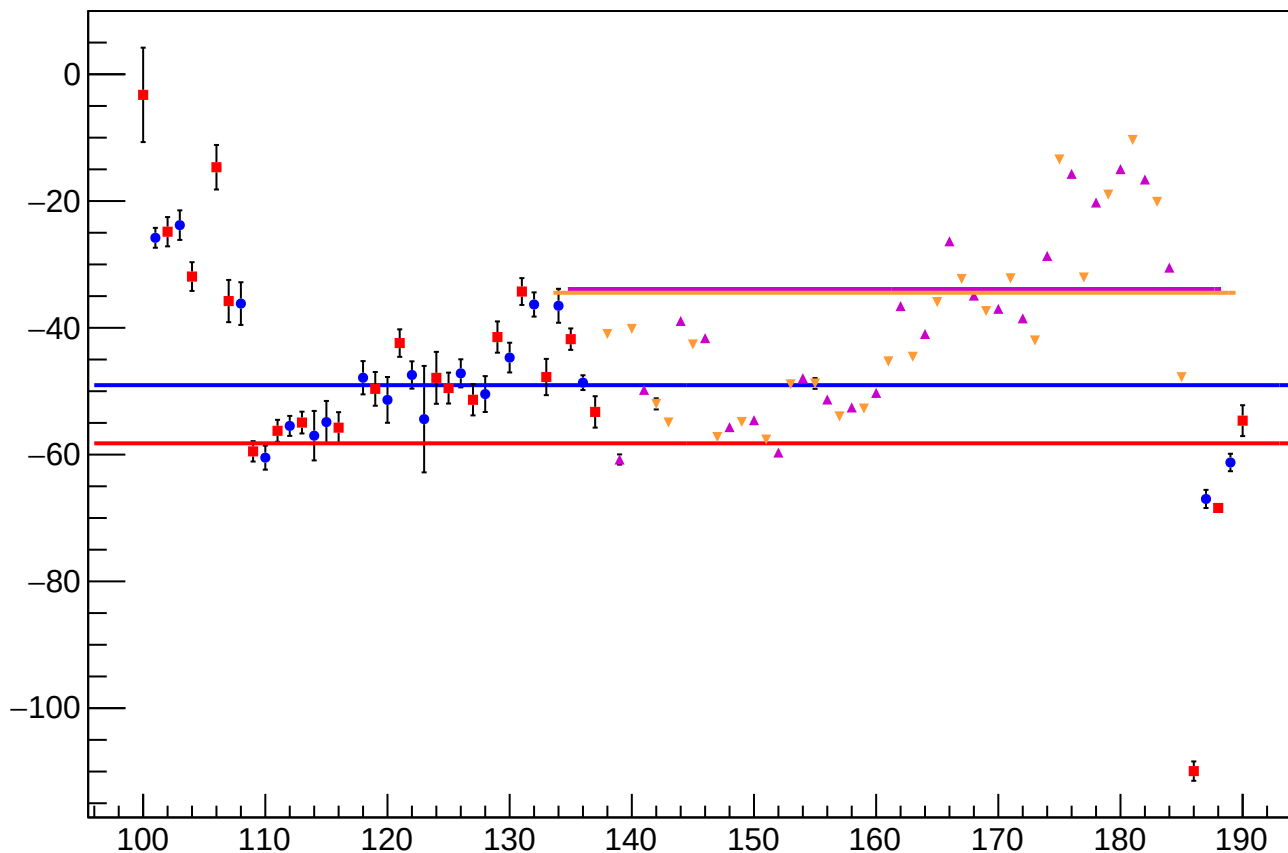
Left In: 3.799 ± 0.084 $\chi^2/\text{NDF}: 5517.0/22$

+ sign 3.420 ± 0.079 $\chi^2/\text{NDF}: 7707.4/43$

All: 3.372 ± 0.056 $\chi^2/\text{NDF}: 14026.7/88$

- sign 3.321 ± 0.080 $\chi^2/\text{NDF}: 6318.5/44$

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -49.047 ± 0.464 χ^2/NDF : 719.3/18

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -58.219 ± 0.398 χ^2/NDF : 2350.5/21

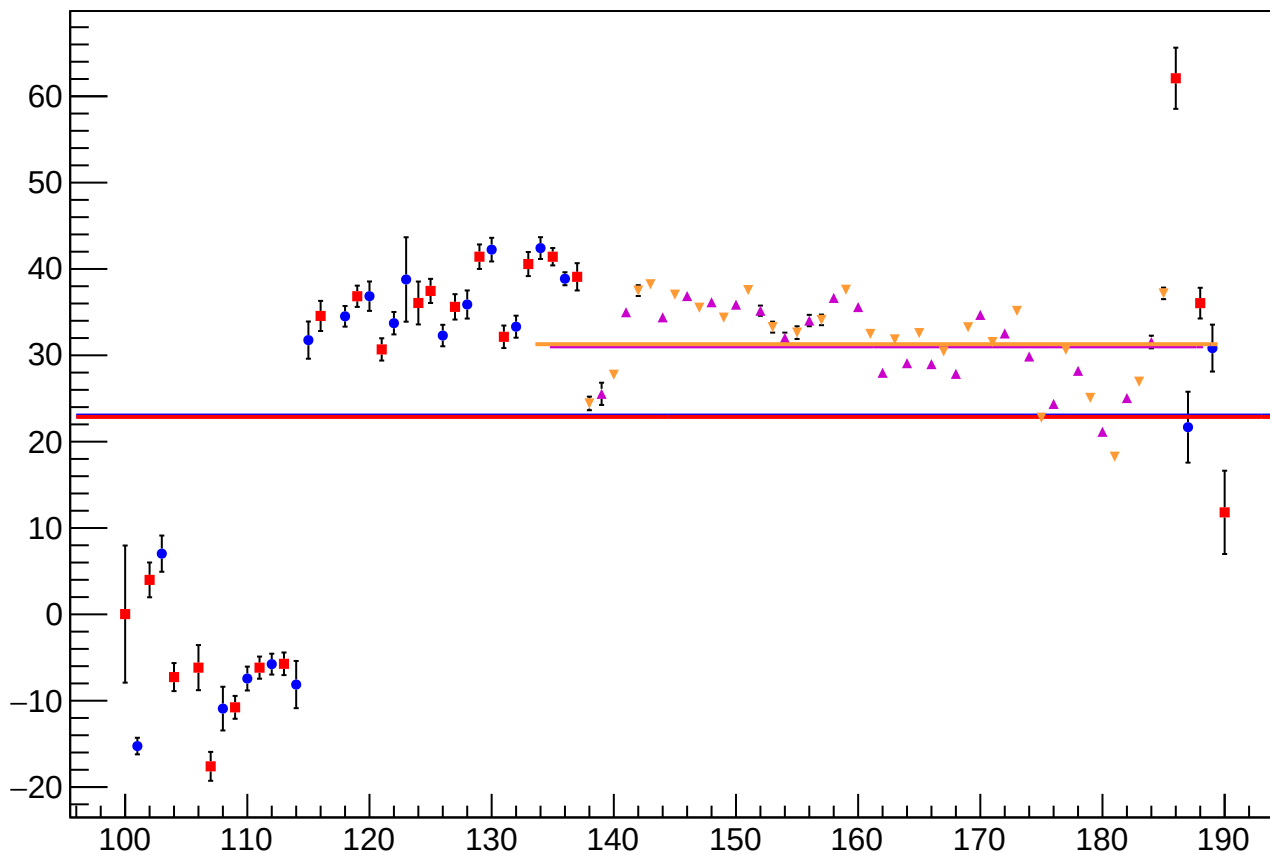
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.167 ± 0.101 χ^2/NDF : 21854.4/43

All: -35.315 ± 0.072 χ^2/NDF : 45337.5/88

- sign -35.464 ± 0.102 χ^2/NDF : 23478.9/44

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 23.023+/-0.325 χ^2/NDF : 4325.7/18

Left Out: 31.286+/-0.092 χ^2/NDF : 3345.7/24

Right Out: 22.868+/-0.332 χ^2/NDF : 4217.9/21

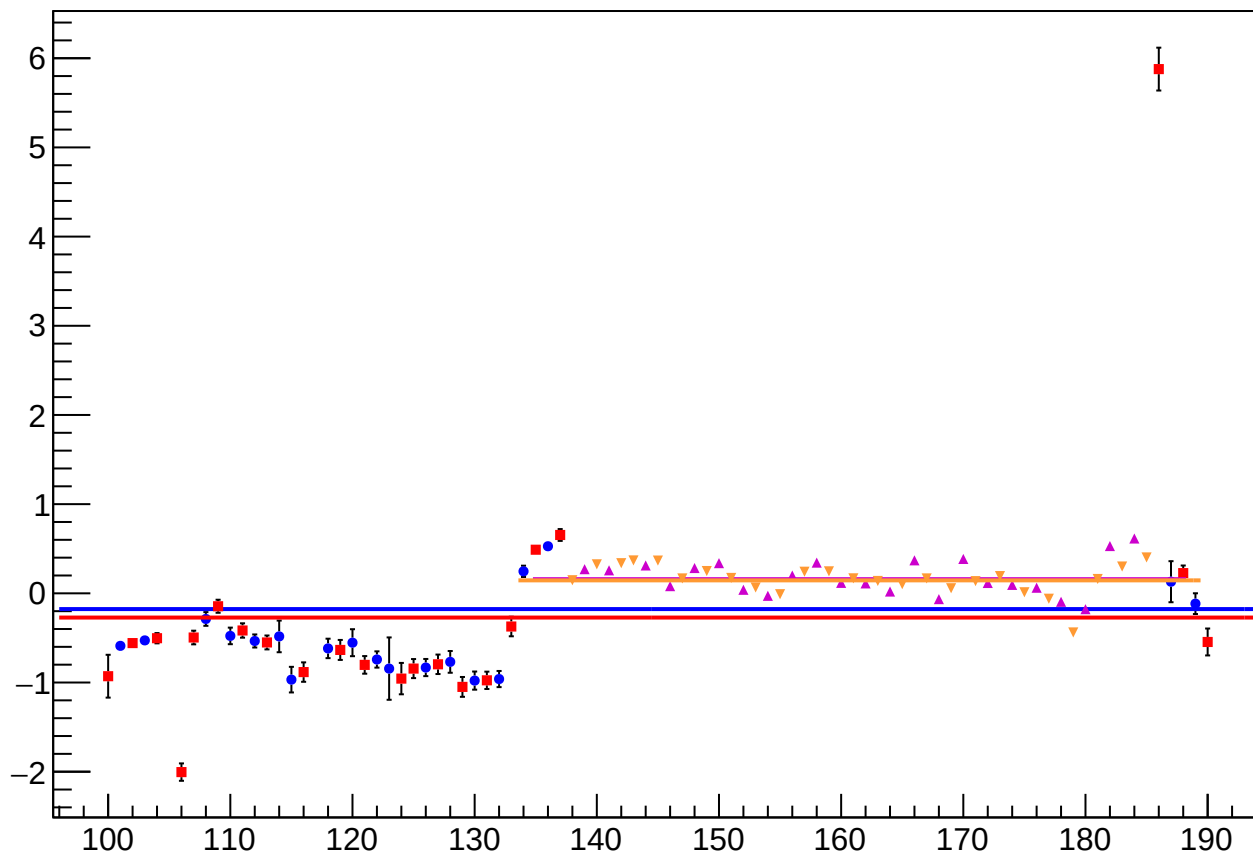
Left In: 31.039+/-0.094 χ^2/NDF : 2480.0/22

+ sign 30.669+/-0.089 χ^2/NDF : 8268.7/43

All: 30.552+/-0.063 χ^2/NDF : 15530.1/88

- sign 30.431+/-0.091 χ^2/NDF : 7257.9/44

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.018 χ^2/NDF : 997.3/18

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.272 ± 0.018 χ^2/NDF : 1875.5/21

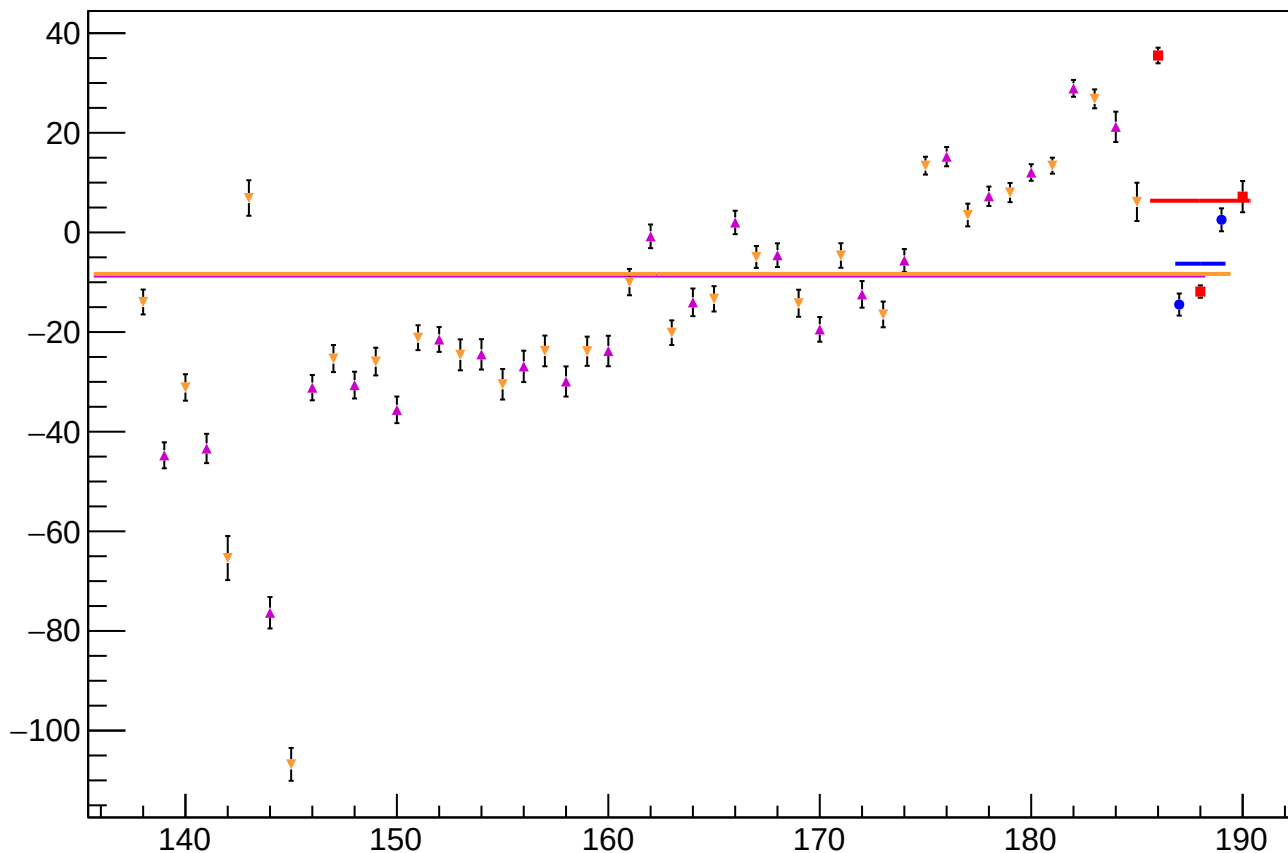
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.128 ± 0.004 χ^2/NDF : 2895.7/43

All: 0.131 ± 0.003 χ^2/NDF : 7344.2/88

- sign 0.135 ± 0.004 χ^2/NDF : 4447.1/44

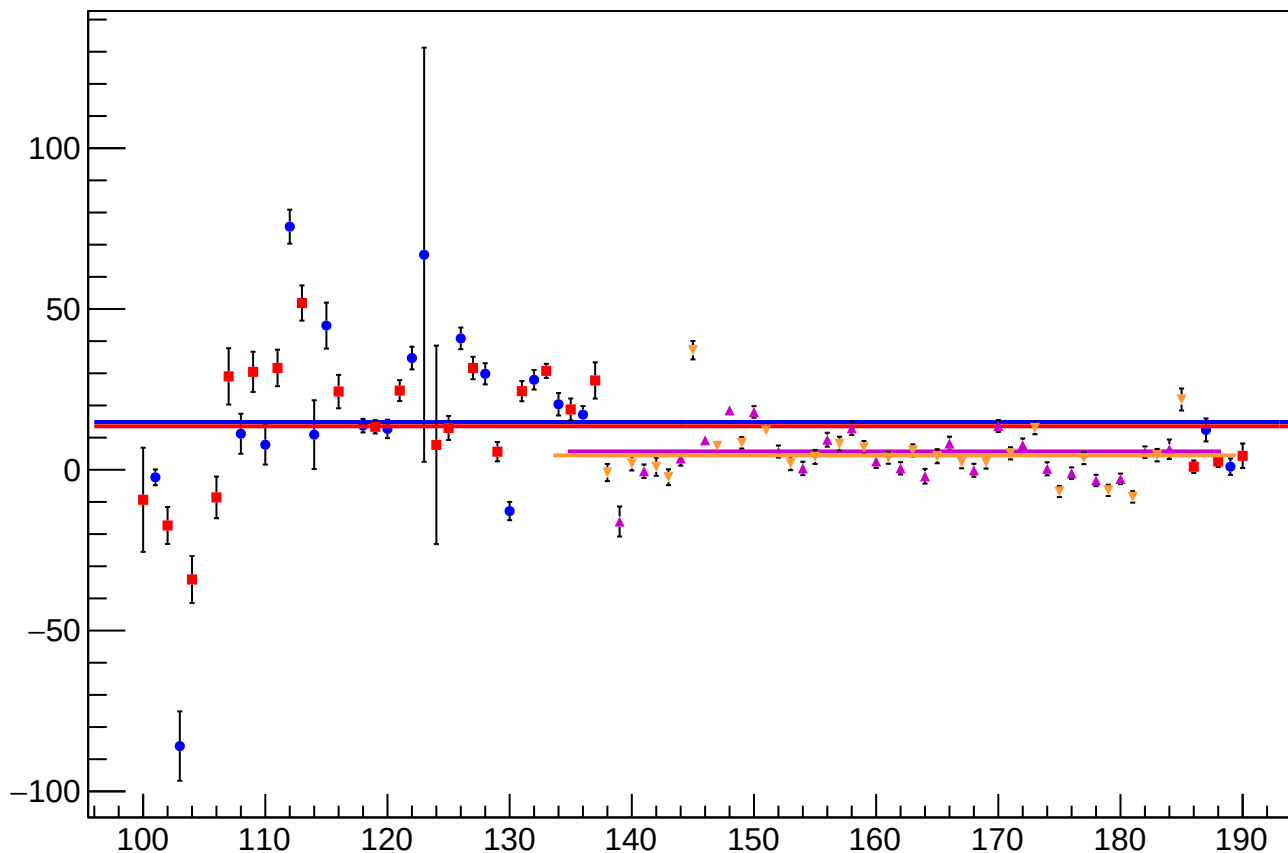
reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -6.277 ± 1.598 χ^2/NDF : 28.3/1
 Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24
 Right Out: 6.368 ± 0.929 χ^2/NDF : 561.0/2
 Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -8.149 ± 0.477 χ^2/NDF : 2256.0/26
 All: -6.575 ± 0.325 χ^2/NDF : 5262.6/52
 - sign -5.204 ± 0.445 χ^2/NDF : 2986.2/25

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 14.852 ± 0.795 $\chi^2/\text{NDF}: 548.7/18$

Left Out: 4.484 ± 0.392 $\chi^2/\text{NDF}: 371.9/24$

Right Out: 13.531 ± 0.724 $\chi^2/\text{NDF}: 375.4/21$

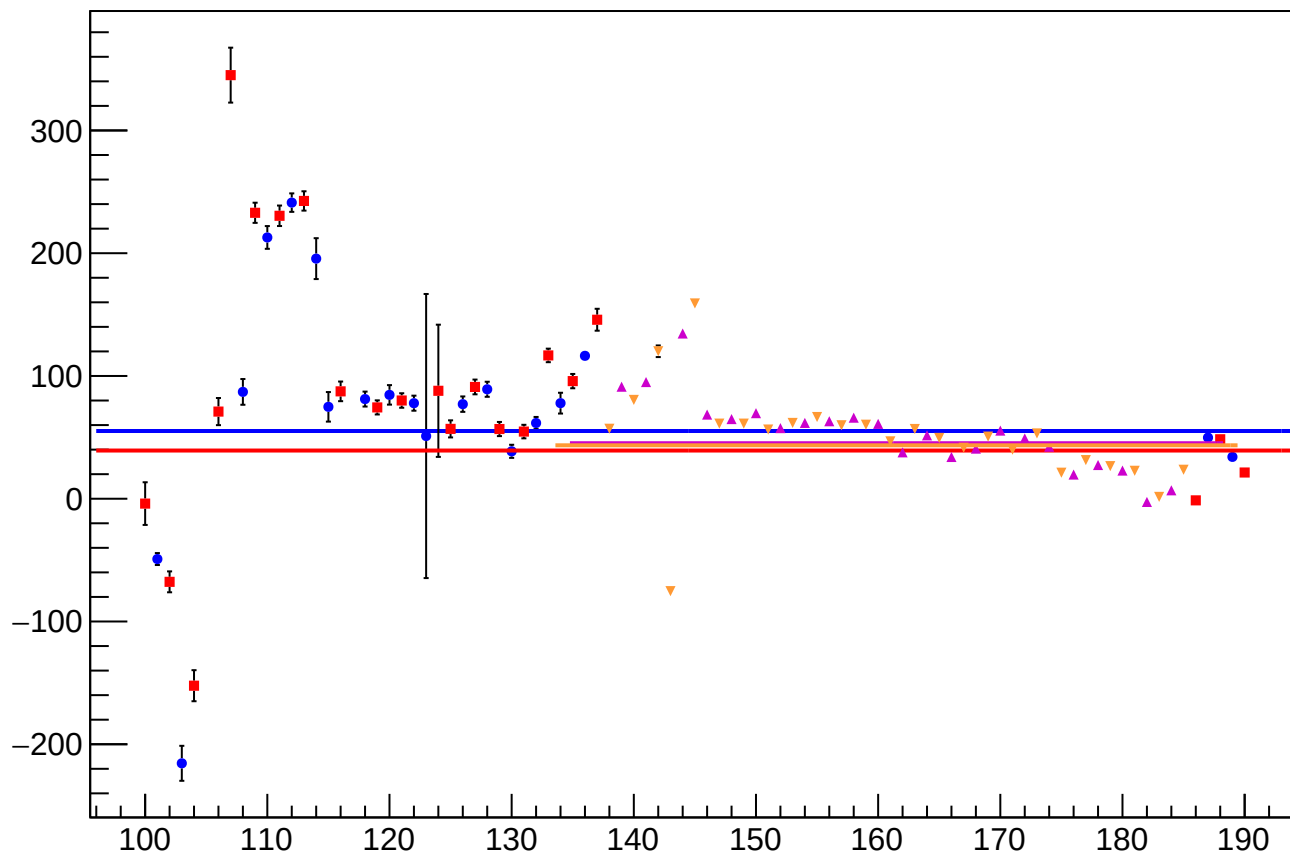
Left In: 5.705 ± 0.404 $\chi^2/\text{NDF}: 324.1/22$

+ sign 6.514 ± 0.352 $\chi^2/\text{NDF}: 1057.4/43$

All: 7.037 ± 0.249 $\chi^2/\text{NDF}: 1850.4/88$

- sign 7.565 ± 0.353 $\chi^2/\text{NDF}: 788.5/44$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 55.170 ± 1.035 χ^2/NDF : 2263.1/18

Left Out: 43.524 ± 0.498 χ^2/NDF : 3830.7/24

Right Out: 39.264 ± 0.693 χ^2/NDF : 4151.8/21

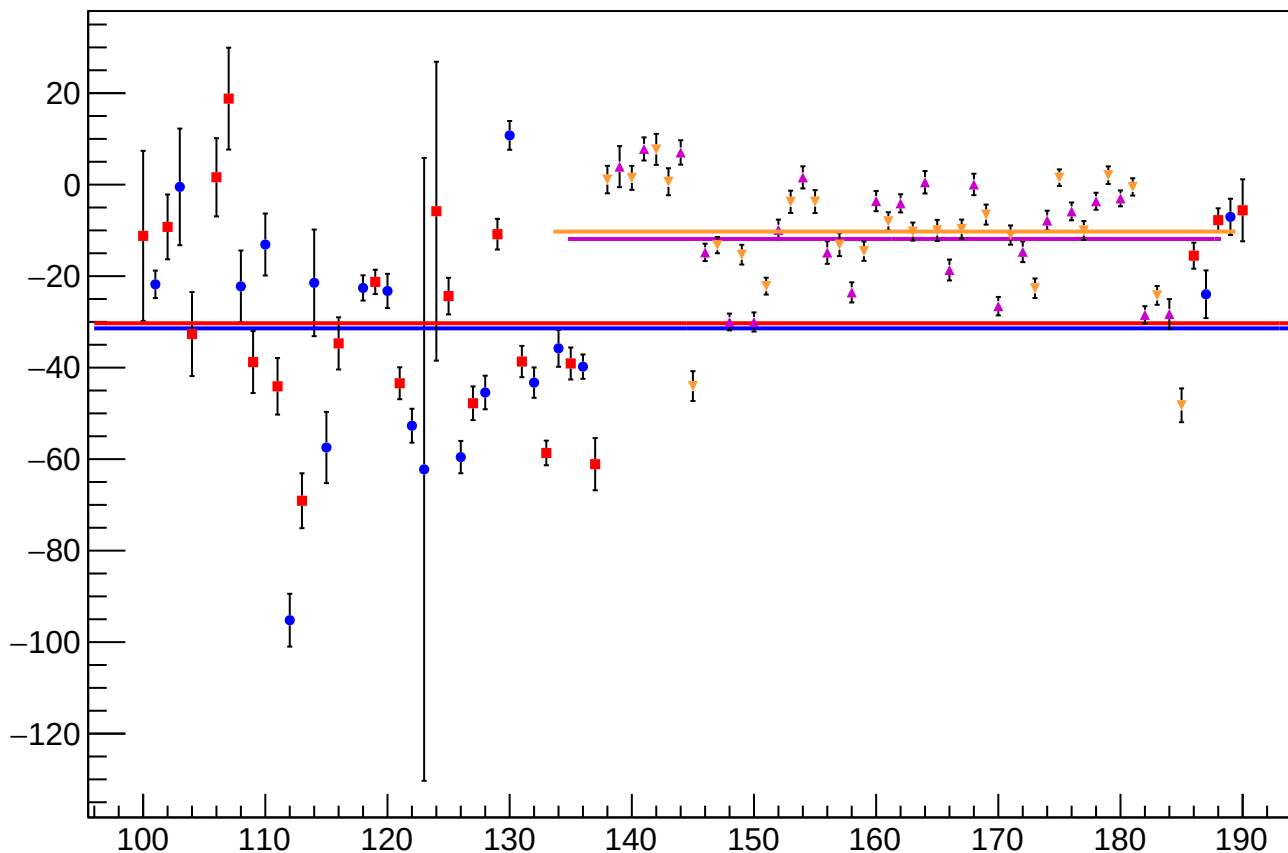
Left In: 45.211 ± 0.504 χ^2/NDF : 3048.5/22

+ sign 45.718 ± 0.449 χ^2/NDF : 6196.6/43

All: 44.311 ± 0.302 χ^2/NDF : 13463.1/88

- sign 43.151 ± 0.408 χ^2/NDF : 7248.5/44

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -31.413 $\pm$ 0.939 χ^2/NDF : 528.6/18

Left Out: -10.257 $\pm$ 0.444 χ^2/NDF : 552.4/24

Right Out: -30.296 $\pm$ 0.896 χ^2/NDF : 446.2/21

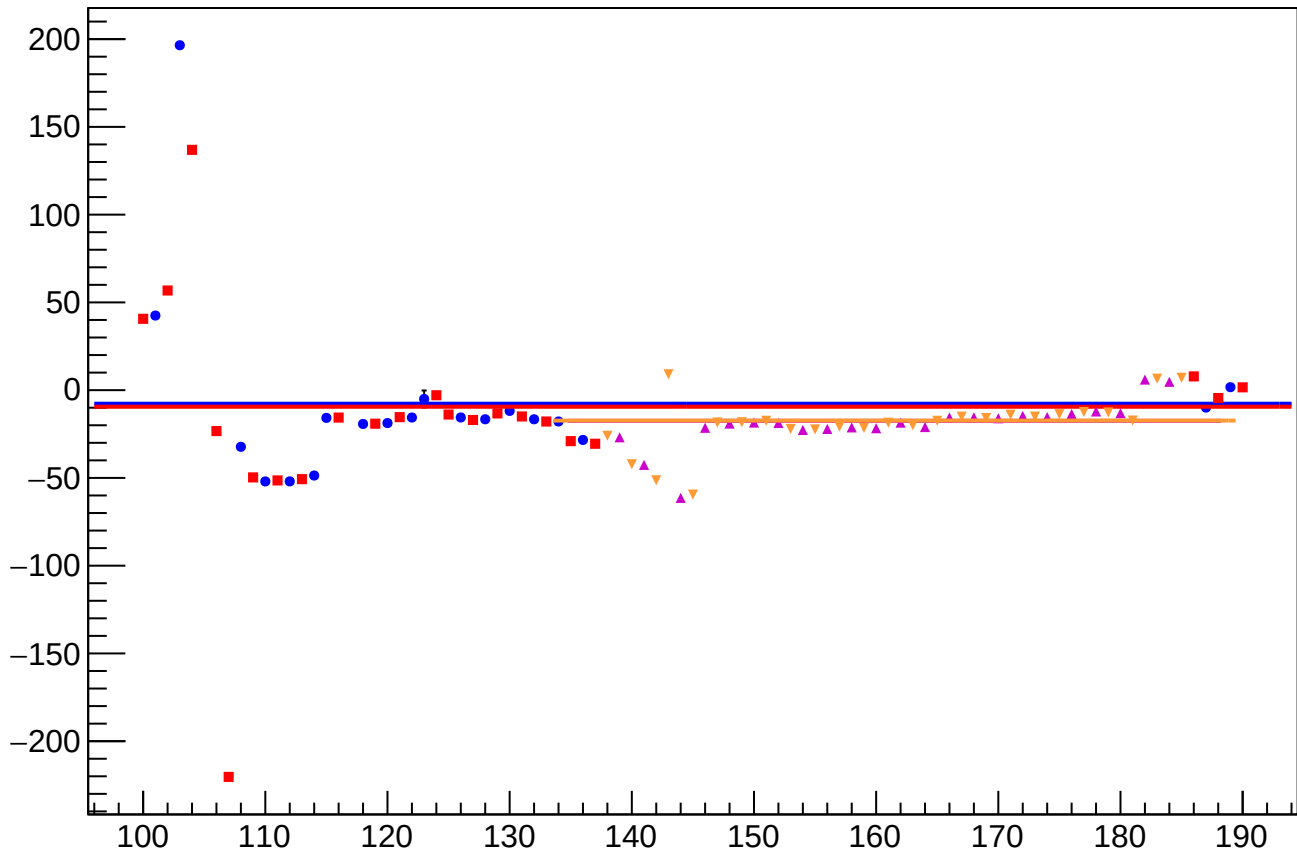
Left In: -11.877 $\pm$ 0.456 χ^2/NDF : 666.2/22

+ sign -14.126 $\pm$ 0.402 χ^2/NDF : 1495.8/43

All: -14.886 $\pm$ 0.286 χ^2/NDF : 2950.9/88

- sign -15.665 $\pm$ 0.406 χ^2/NDF : 1447.9/44

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -7.729 ± 0.055 χ^2/NDF : 578514.6/18

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -9.447 ± 0.052 χ^2/NDF : 573000.2/21

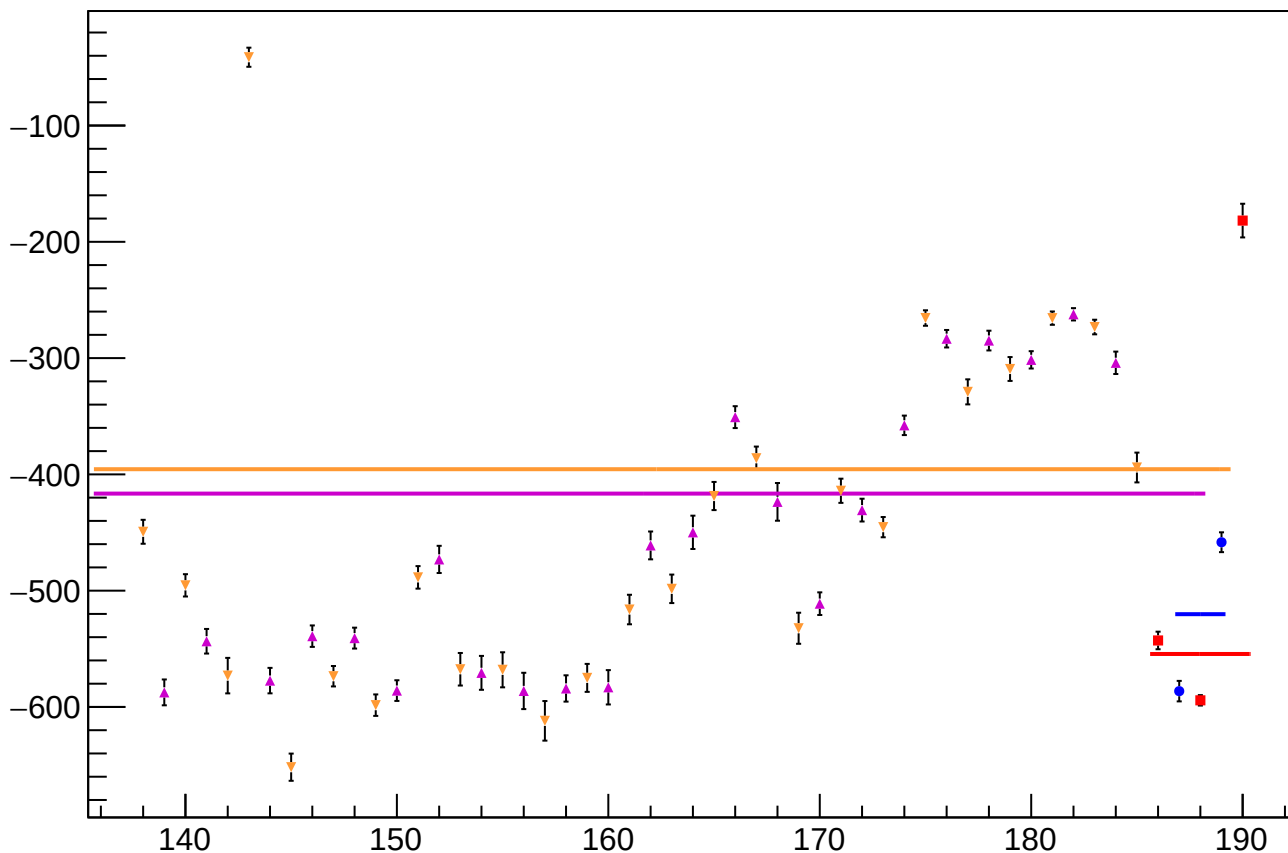
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -16.181 ± 0.019 χ^2/NDF : 930290.1/43

All: -16.293 ± 0.014 χ^2/NDF : 1782993.2/88

- sign -16.406 ± 0.019 χ^2/NDF : 852634.6/44

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -520.219+/-6.129 χ^2 /NDF: 109.0/1

Left Out: -395.547+/-1.953 χ^2 /NDF: 5946.5/24

Right Out: -554.444+/-3.726 χ^2 /NDF: 744.1/2

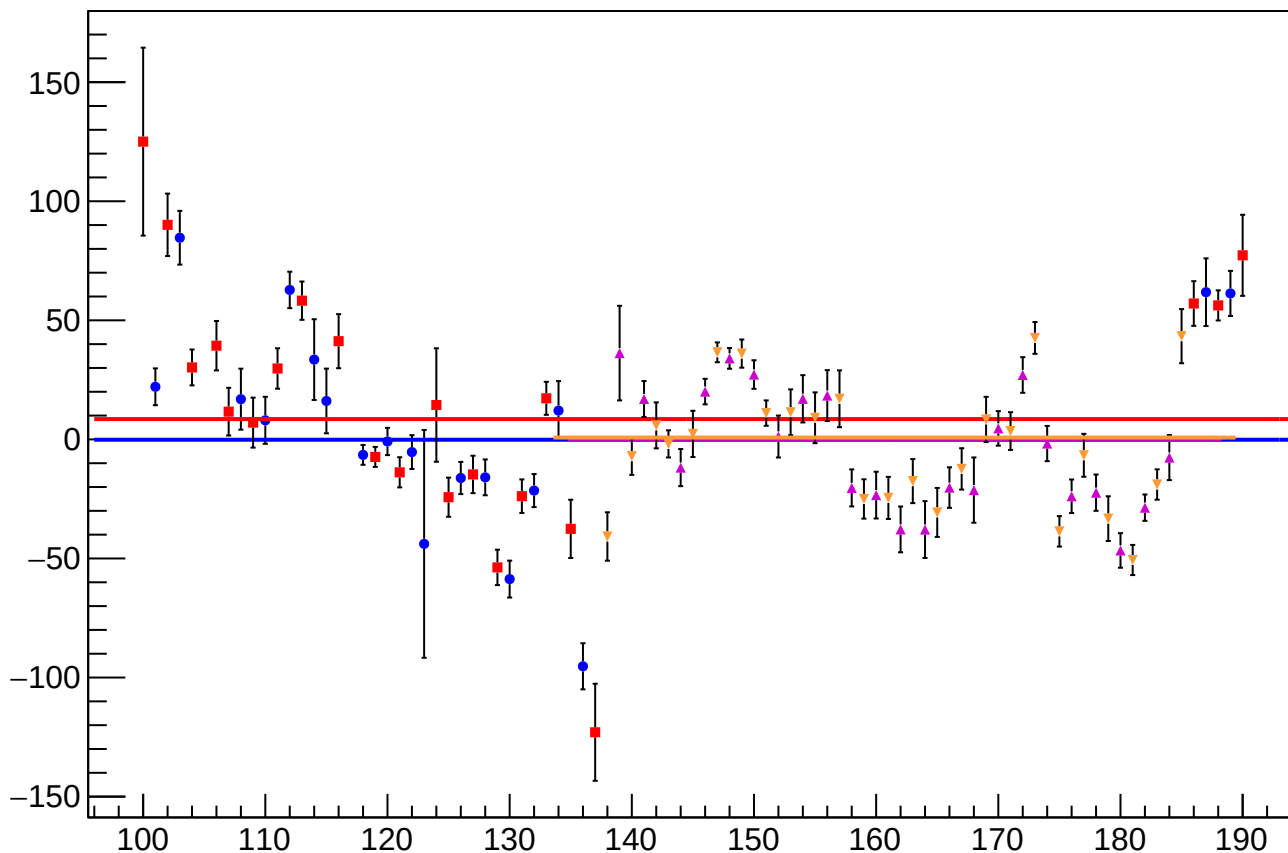
Left In: -416.521+/-2.005 χ^2 /NDF: 3917.0/22

+ sign -407.045+/-1.861 χ^2 /NDF: 6431.2/26

All: -428.329+/-1.281 χ^2 /NDF: 12403.2/52

- sign -447.480+/-1.765 χ^2 /NDF: 5723.5/25

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -0.141 ± 1.871 χ^2/NDF : 379.1/18

Left Out: 0.767 ± 1.503 χ^2/NDF : 350.1/24

Right Out: 8.531 ± 1.791 χ^2/NDF : 417.7/21

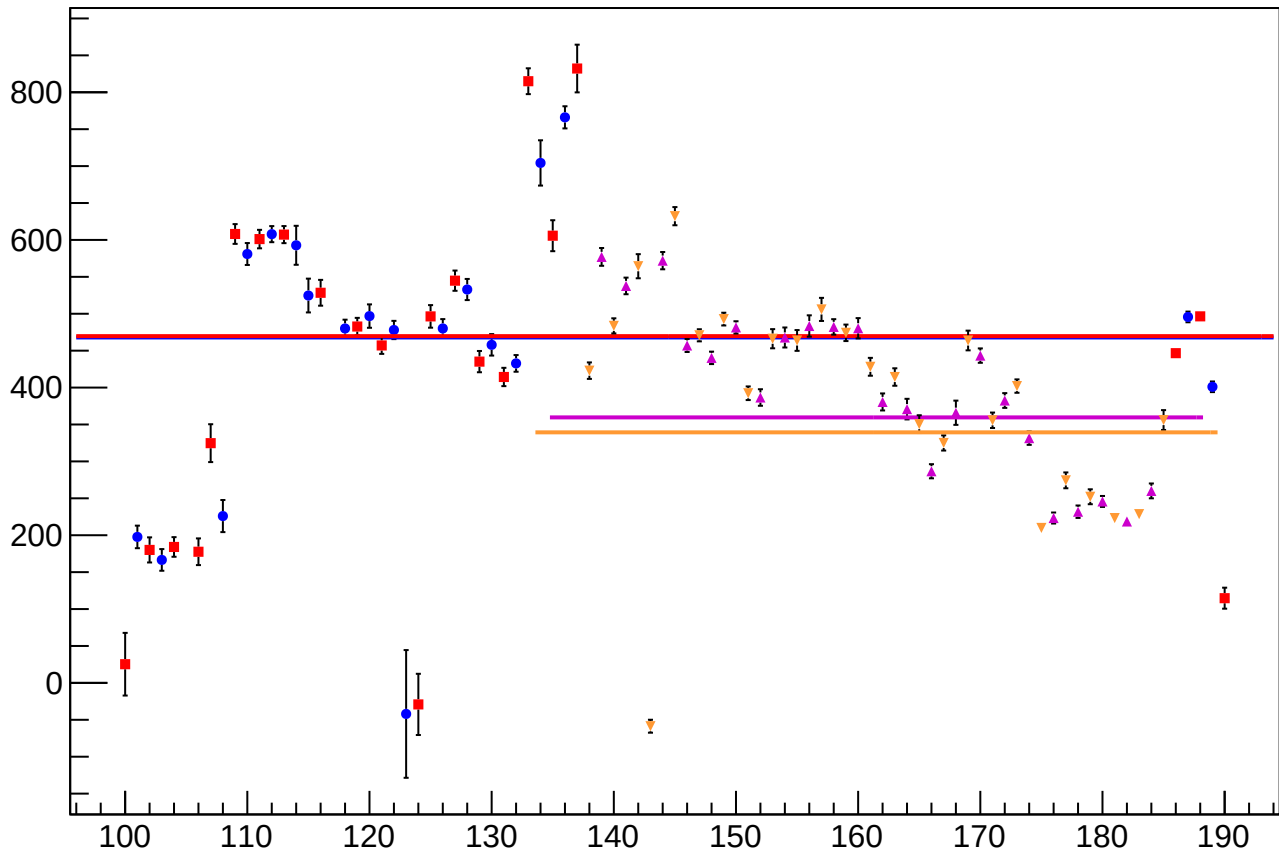
Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

+ sign 0.411 ± 1.172 χ^2/NDF : 729.3/43

All: 1.995 ± 0.832 χ^2/NDF : 1424.9/88

- sign 3.608 ± 1.183 χ^2/NDF : 691.9/44

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 467.898 ± 2.981 $\chi^2/\text{NDF}: 1736.1/18$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 469.676 ± 2.301 $\chi^2/\text{NDF}: 2979.5/21$

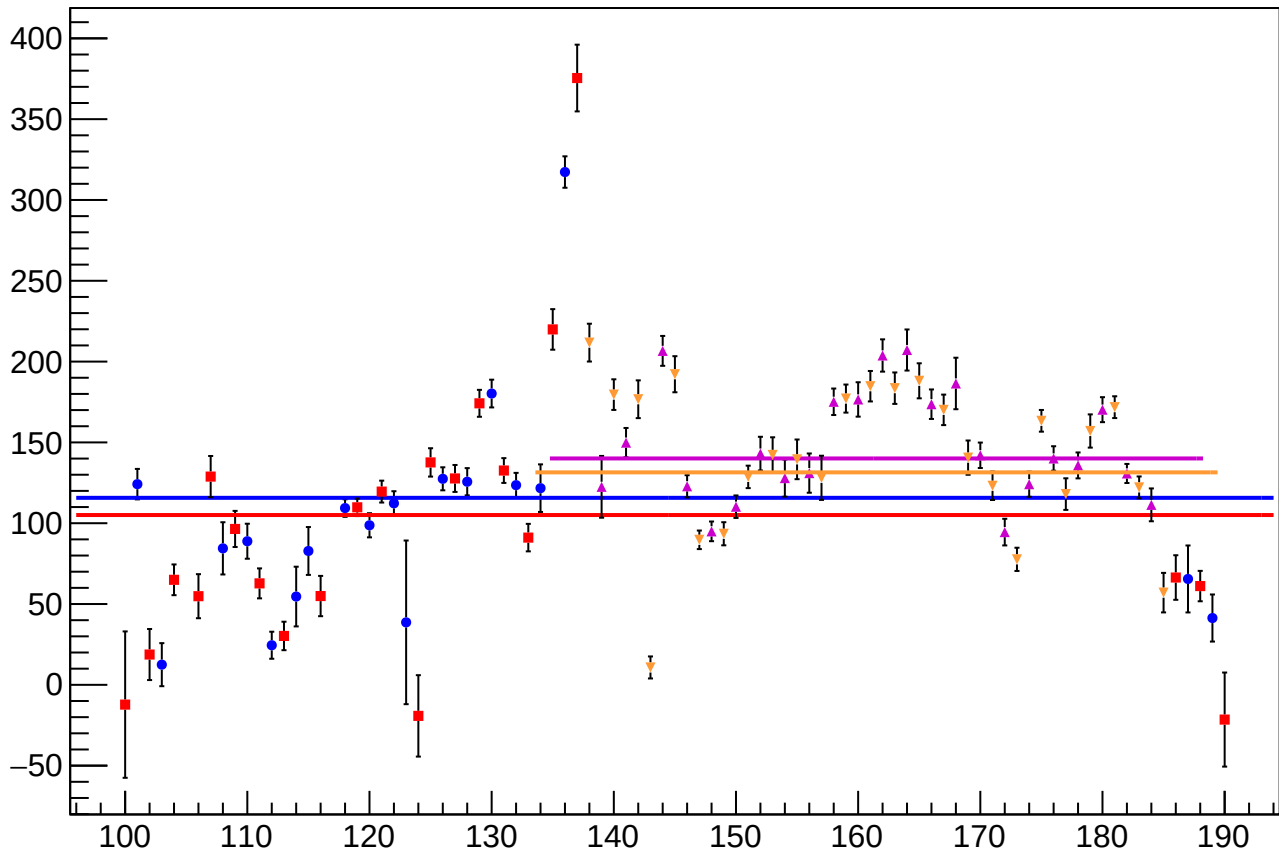
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 378.231 ± 1.639 $\chi^2/\text{NDF}: 8536.0/43$

All: 393.818 ± 1.111 $\chi^2/\text{NDF}: 16383.3/88$

- sign 407.054 ± 1.511 $\chi^2/\text{NDF}: 7680.1/44$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



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: 105.061 $\pm$ 2.119 χ^2 /NDF: 620.3/21

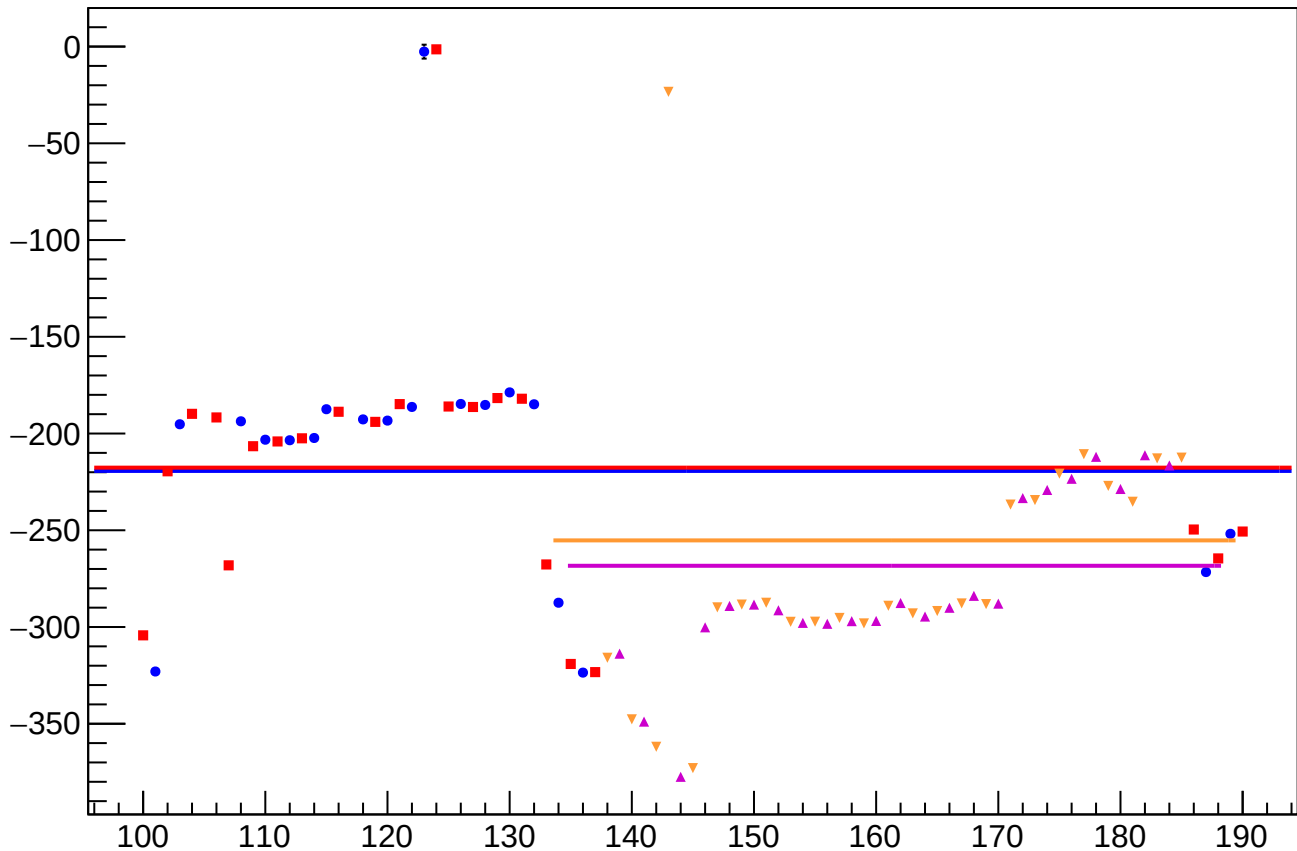
Left In: 140.069 $\pm$ 1.795 χ^2 /NDF: 316.5/22

+ sign 125.429 $\pm$ 1.357 χ^2 /NDF: 1579.3/43

All: 125.437 $\pm$ 0.964 χ^2 /NDF: 2674.9/88

- sign 125.445 $\pm$ 1.370 χ^2 /NDF: 1095.7/44

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -219.329 ± 0.133 $\chi^2/\text{NDF}: 151145.3/18$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -217.632 ± 0.123 $\chi^2/\text{NDF}: 129276.6/21$

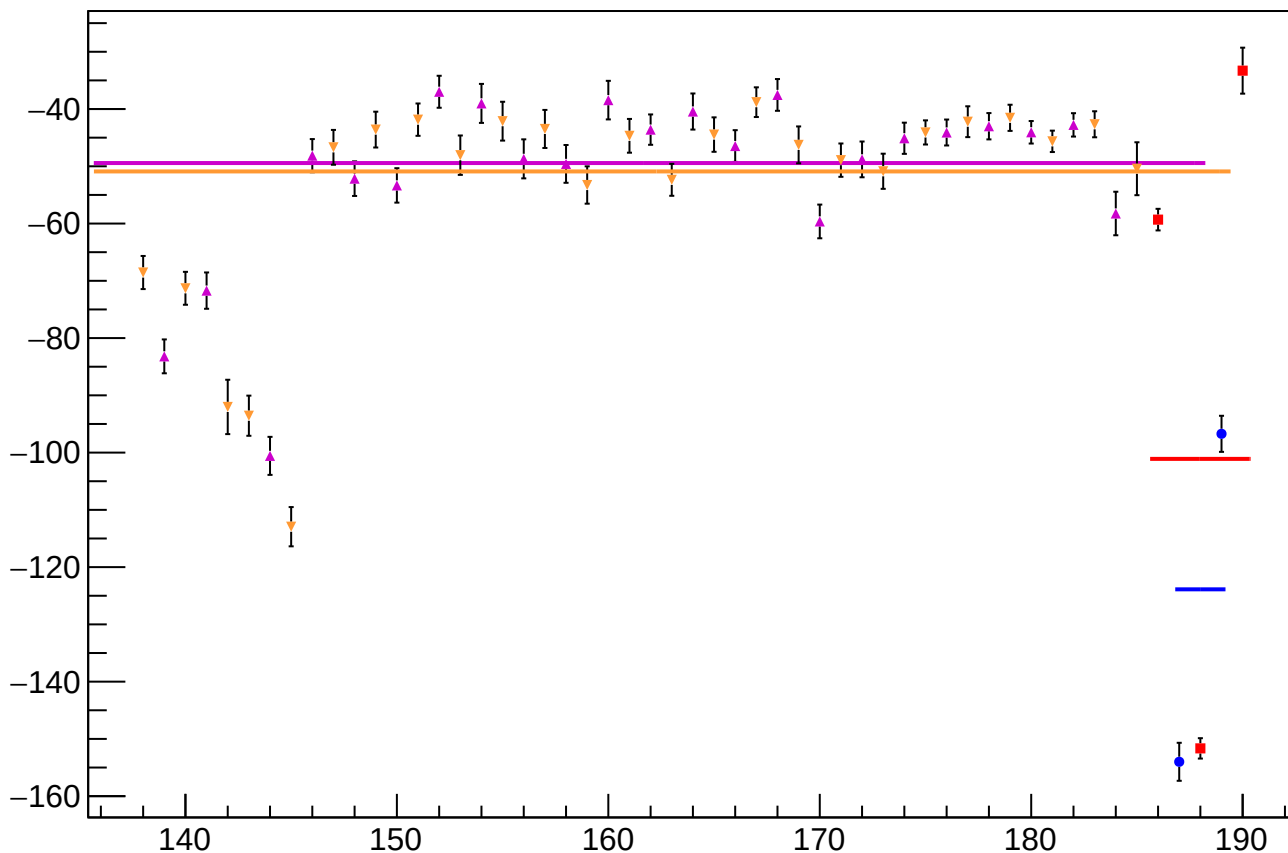
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.354 ± 0.070 $\chi^2/\text{NDF}: 931953.7/43$

All: -248.904 ± 0.049 $\chi^2/\text{NDF}: 1444572.1/88$

- sign -252.398 ± 0.069 $\chi^2/\text{NDF}: 507484.5/44$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -123.879 ± 2.285 $\chi^2/\text{NDF}: 156.7/1$

Left Out: -50.897 ± 0.573 $\chi^2/\text{NDF}: 761.1/24$

Right Out: -101.097 ± 1.232 $\chi^2/\text{NDF}: 1582.4/2$

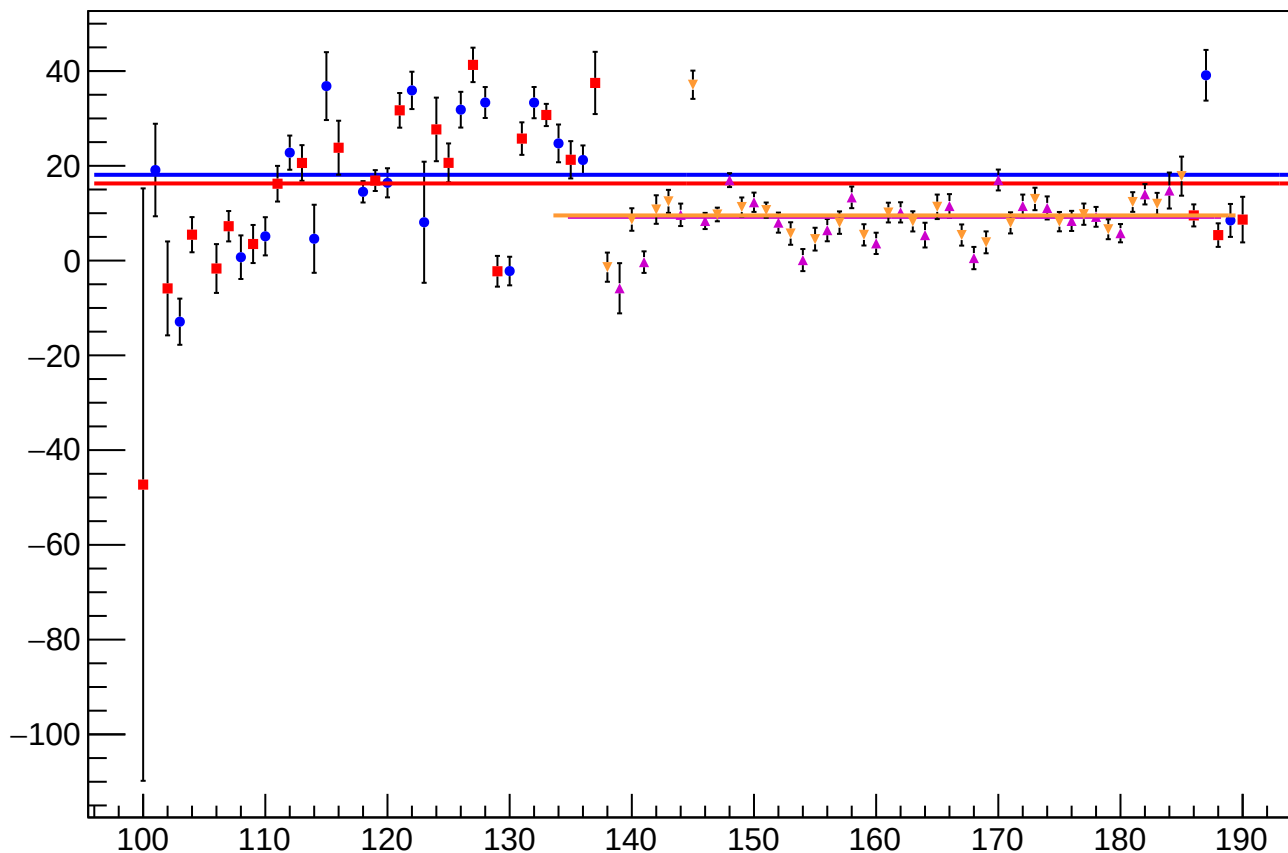
Left In: -49.432 ± 0.584 $\chi^2/\text{NDF}: 543.4/22$

+ sign -55.213 ± 0.556 $\chi^2/\text{NDF}: 1877.8/26$

All: -57.155 ± 0.383 $\chi^2/\text{NDF}: 5462.7/52$

- sign -58.908 ± 0.528 $\chi^2/\text{NDF}: 3561.7/25$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.104 $\pm$ 0.876 χ^2 /NDF: 229.7/18

Left Out: 9.530 $\pm$ 0.446 χ^2 /NDF:134.4/24

Right Out: 16.278 $\pm$ 0.760 χ^2 /NDF: 237.5/21

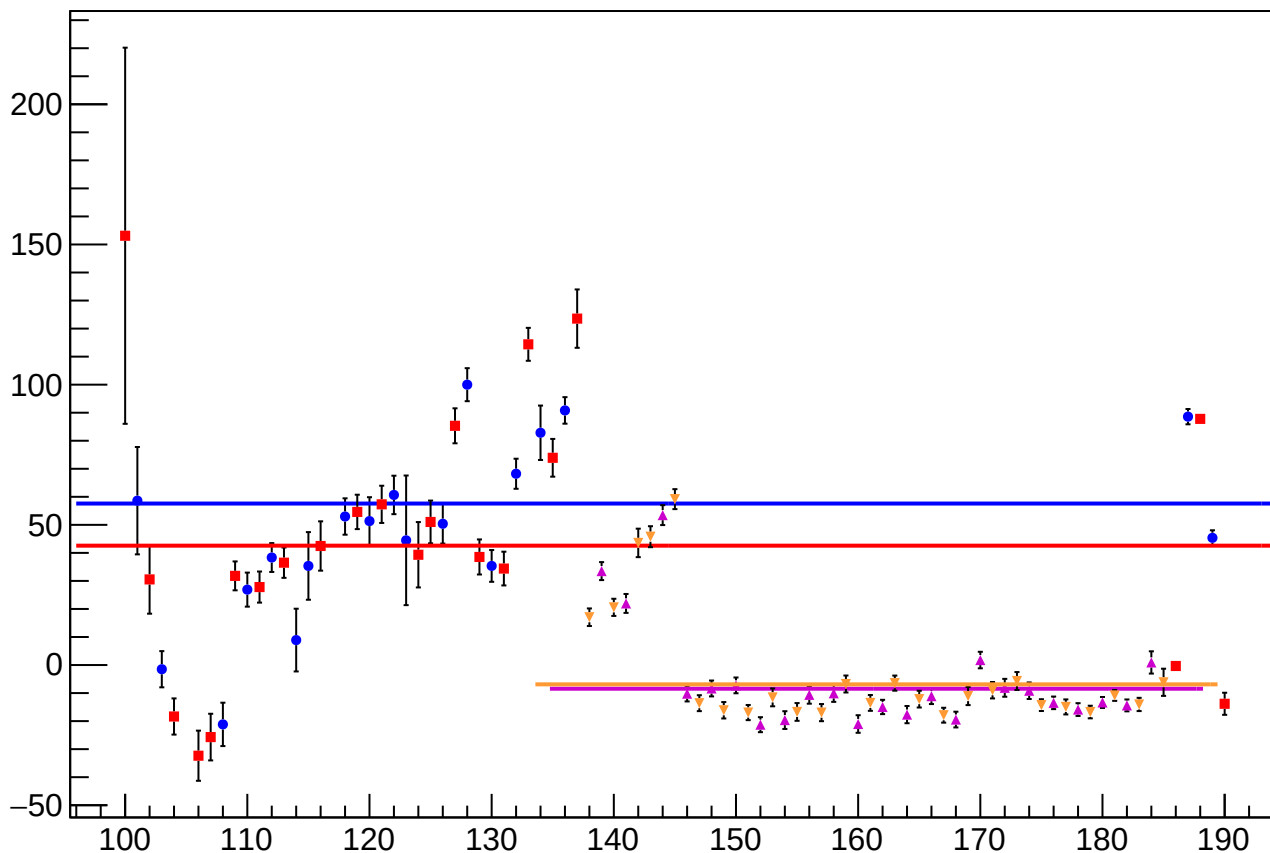
Left In: 9.231 $\pm$ 0.462 χ^2 /NDF:124.0/22

+ sign 11.294 $\pm$ 0.397 χ^2 /NDF: 440.1/43

All: 11.211 $\pm$ 0.280 χ^2 /NDF: 864.4/88

- sign 11.130 $\pm$ 0.395 χ^2 /NDF: 424.2/44

reg_asym_atr1_diff_bpm4eX_slope vs Slug



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: 42.576 $\pm$ 0.853 χ^2 /NDF: 2538.0/21

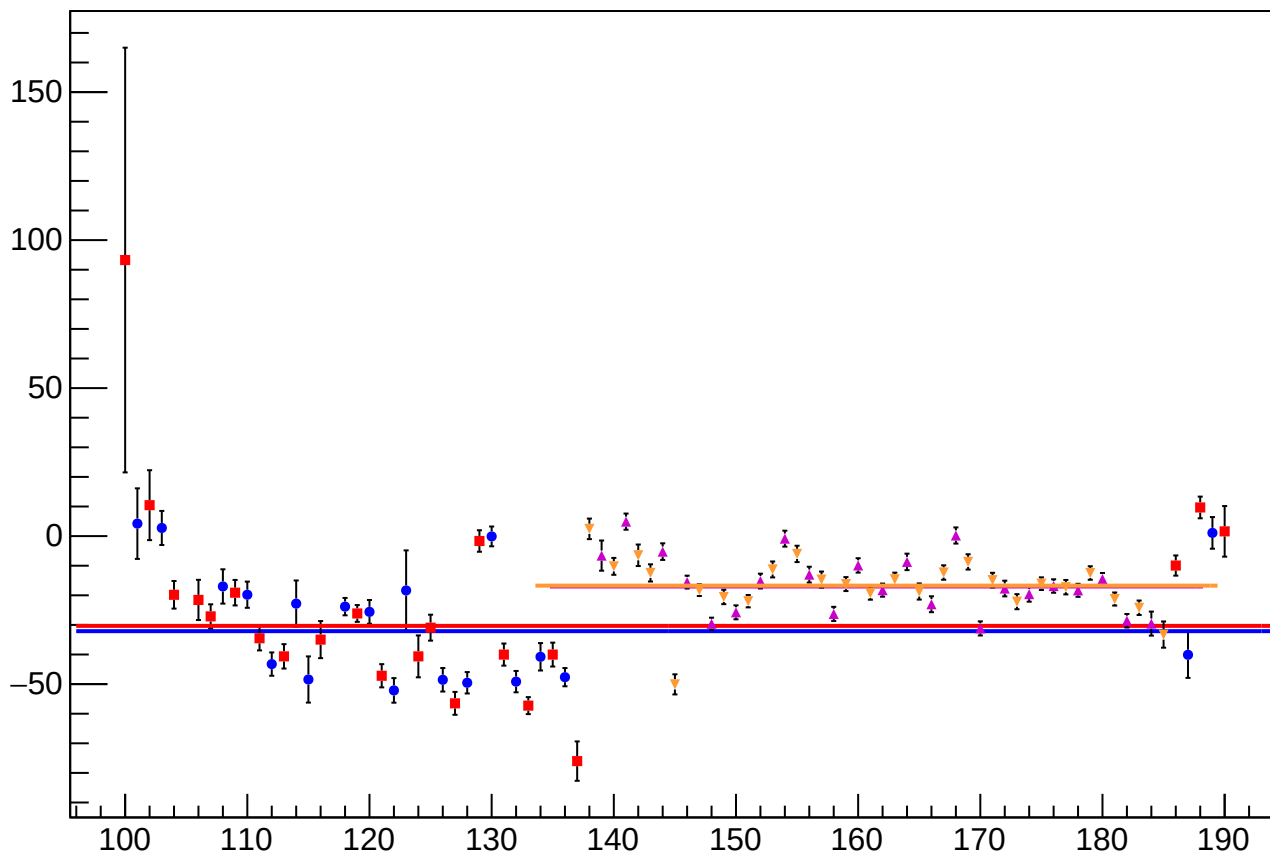
Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

+ sign 4.049 $\pm$ 0.520 χ^2 /NDF: 3606.6/43

All: 6.016 $\pm$ 0.353 χ^2 /NDF: 9309.4/88

- sign 7.687 $\pm$ 0.479 χ^2 /NDF: 5676.4/44

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -32.113 ± 1.017 χ^2/NDF : 332.1/18

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -30.324 ± 0.917 χ^2/NDF : 484.5/21

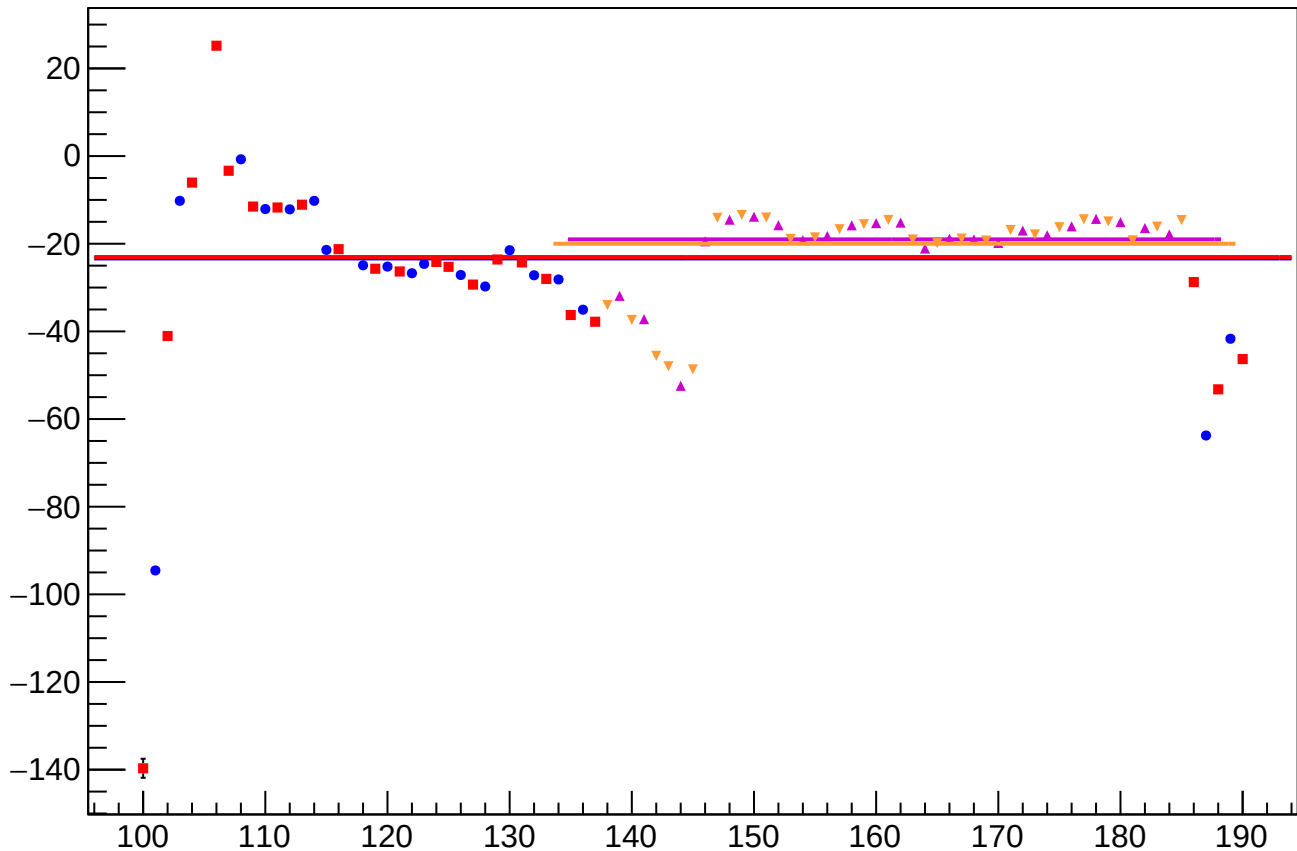
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.790 ± 0.454 χ^2/NDF : 738.6/43

All: -20.033 ± 0.321 χ^2/NDF : 1710.1/88

- sign -20.275 ± 0.454 χ^2/NDF : 970.9/44

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -23.354 ± 0.057 χ^2/NDF : 64703.4/18

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -23.036 ± 0.052 χ^2/NDF : 124328.2/21

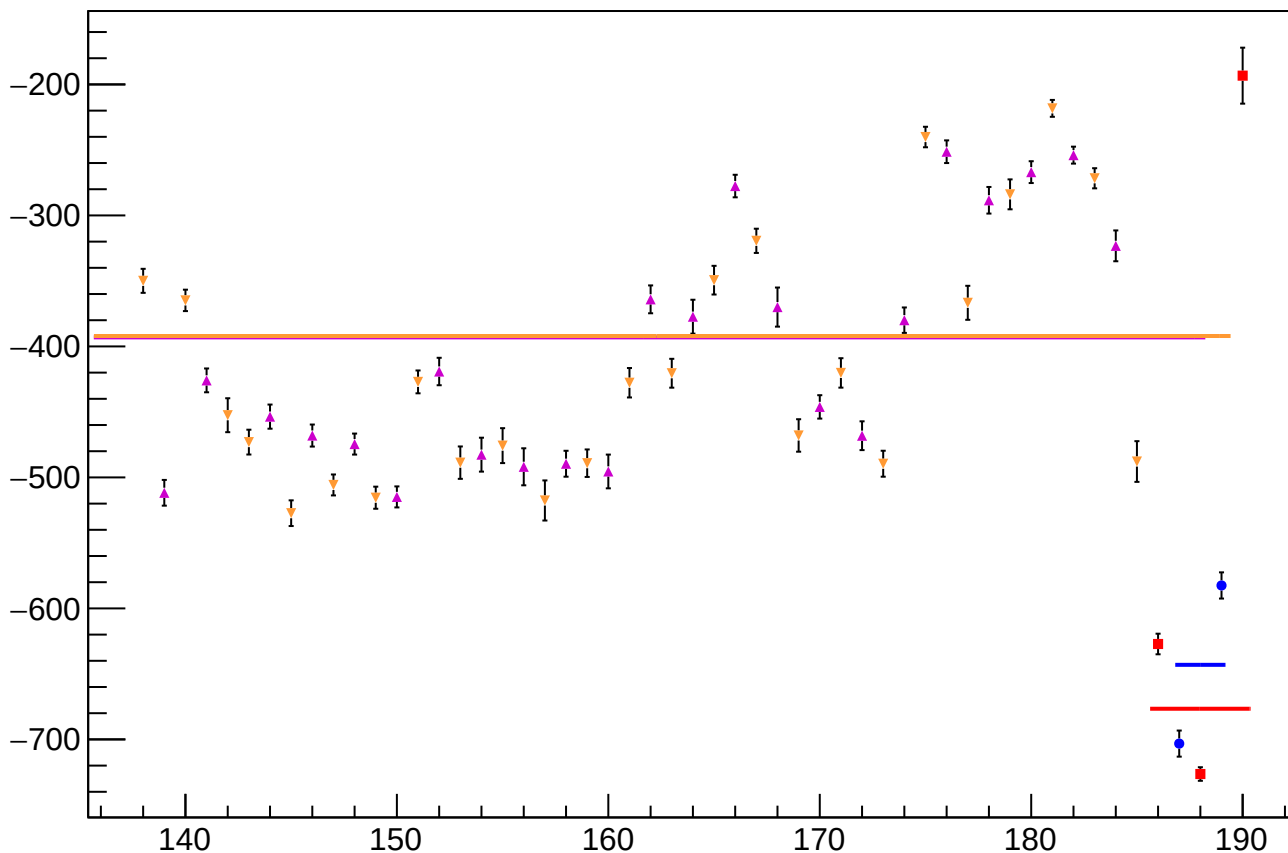
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -20.490 ± 0.022 χ^2/NDF : 213313.6/43

All: -20.091 ± 0.015 χ^2/NDF : 434122.9/88

- sign -19.692 ± 0.022 χ^2/NDF : 220125.5/44

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -643.077+/-7.059 χ^2 /NDF: 73.1/1

Left Out: -392.054+/-1.967 χ^2 /NDF:2717.2/24

Right Out: -676.598+/-4.239 χ^2 /NDF: 643.7/2

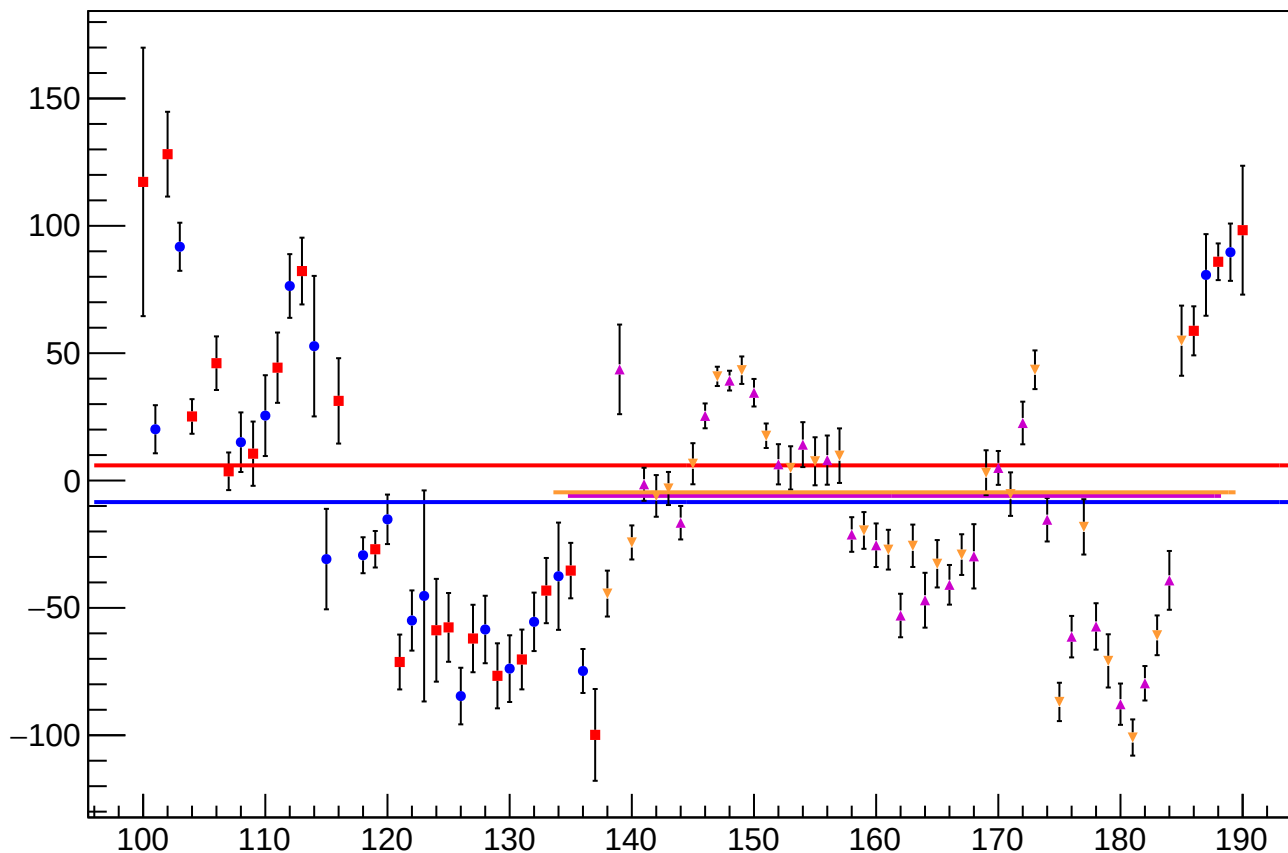
Left In: -393.113+/-2.006 χ^2 /NDF:2253.3/22

+ sign -410.132+/-1.894 χ^2 /NDF: 3963.6/26

All: -428.317+/-1.310 χ^2 /NDF: 10692.0/52

- sign -444.969+/-1.813 χ^2 /NDF: 6551.9/25

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -8.460 ± 2.701 χ^2/NDF : 479.1/18

Left Out: -4.624 ± 1.462 χ^2/NDF : 772.9/24

Right Out: 5.951 ± 2.368 χ^2/NDF : 570.6/21

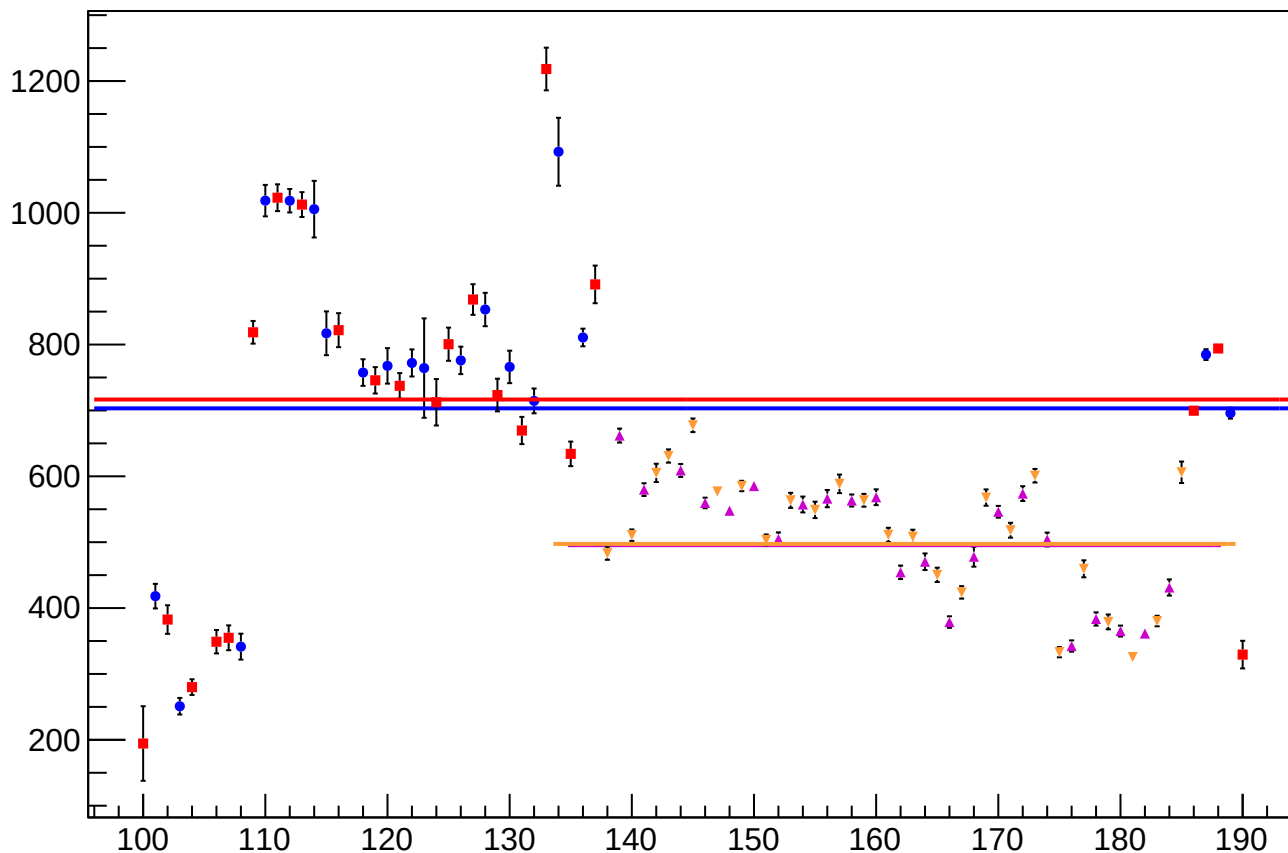
Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -5.493 ± 1.286 χ^2/NDF : 1253.6/43

All: -4.006 ± 0.906 χ^2/NDF : 2499.0/88

- sign -2.539 ± 1.277 χ^2/NDF : 1242.8/44

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 703.162 $\pm$ 3.828 χ^2 /NDF: 2712.6/18

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF: 2614.6/24

Right Out: 716.588 $\pm$ 2.778 χ^2 /NDF: 4044.2/21

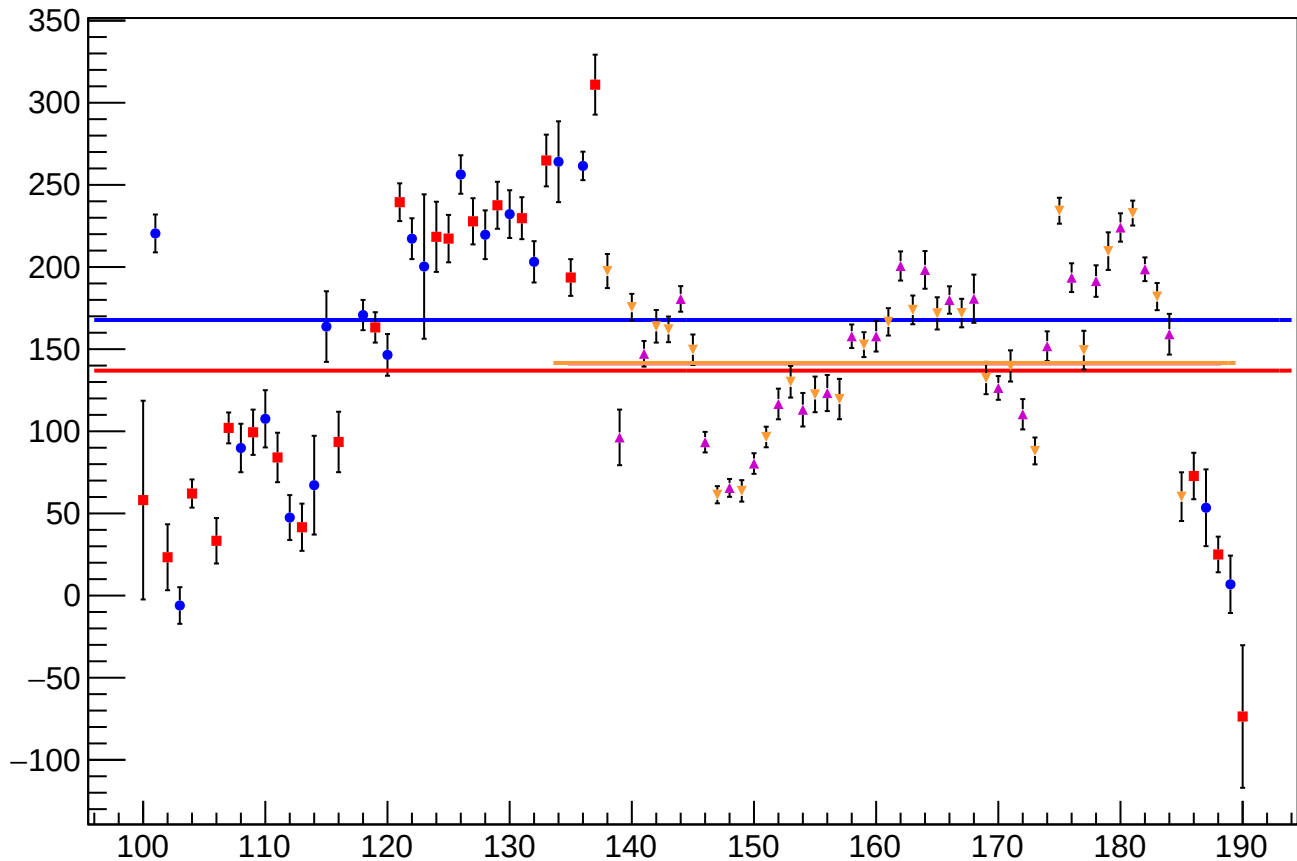
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 540.333 $\pm$ 1.749 χ^2 /NDF: 7614.2/43

All: 556.612 $\pm$ 1.188 χ^2 /NDF: 18258.1/88

- sign 570.563 $\pm$ 1.619 χ^2 /NDF: 10483.1/44

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 167.753 $\pm$ 3.162 χ^2 /NDF: 749.9/18

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF:959.6/24

Right Out: 136.934 $\pm$ 2.865 χ^2 /NDF: 859.5/21

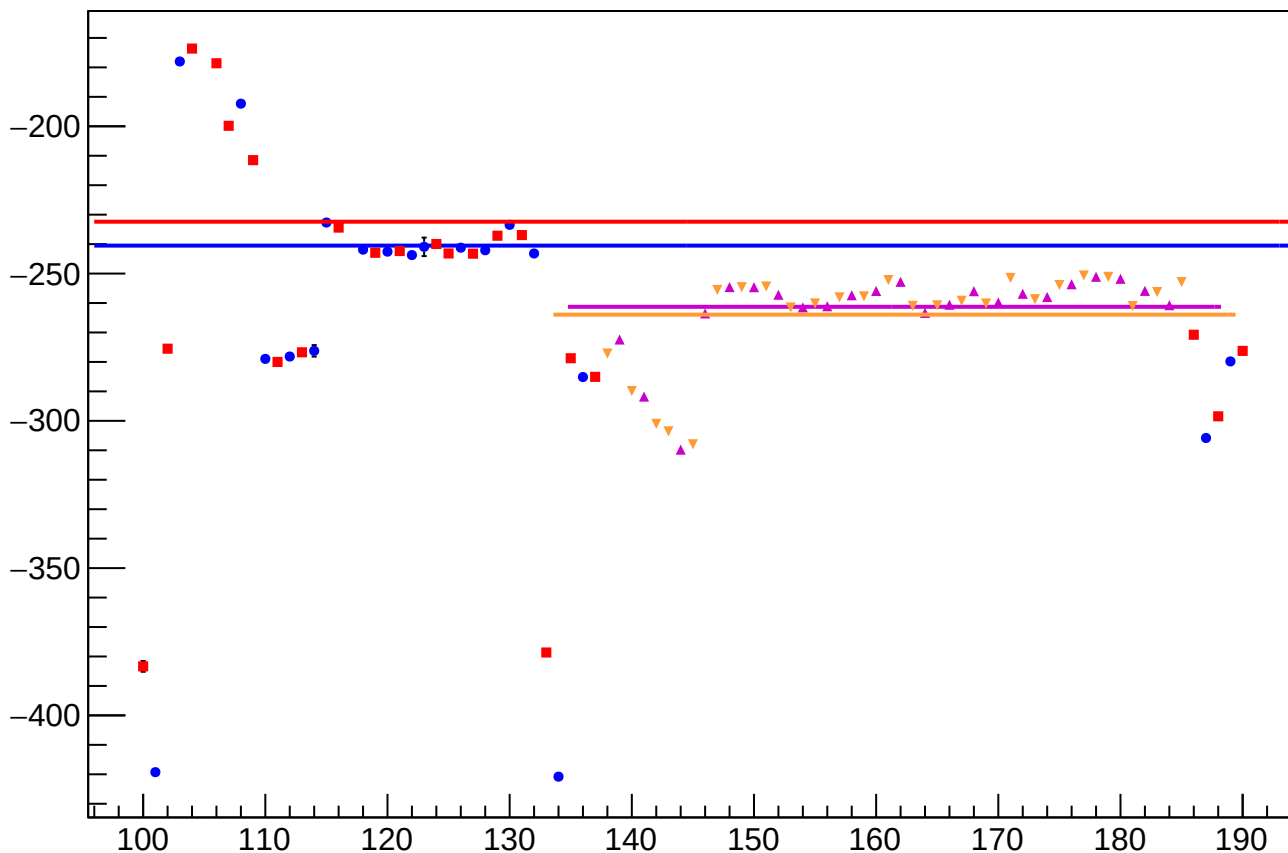
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF:741.2/22

+ sign 147.449 $\pm$ 1.496 χ^2 /NDF: 1762.6/43

All: 143.794 $\pm$ 1.057 χ^2 /NDF: 3377.0/88

- sign 140.160 $\pm$ 1.492 χ^2 /NDF: 1602.5/44

reg_asym_atr2_diff_bpm12X_slope vs Slug



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: -232.387 ± 0.144 χ^2/NDF : 119280.4/21

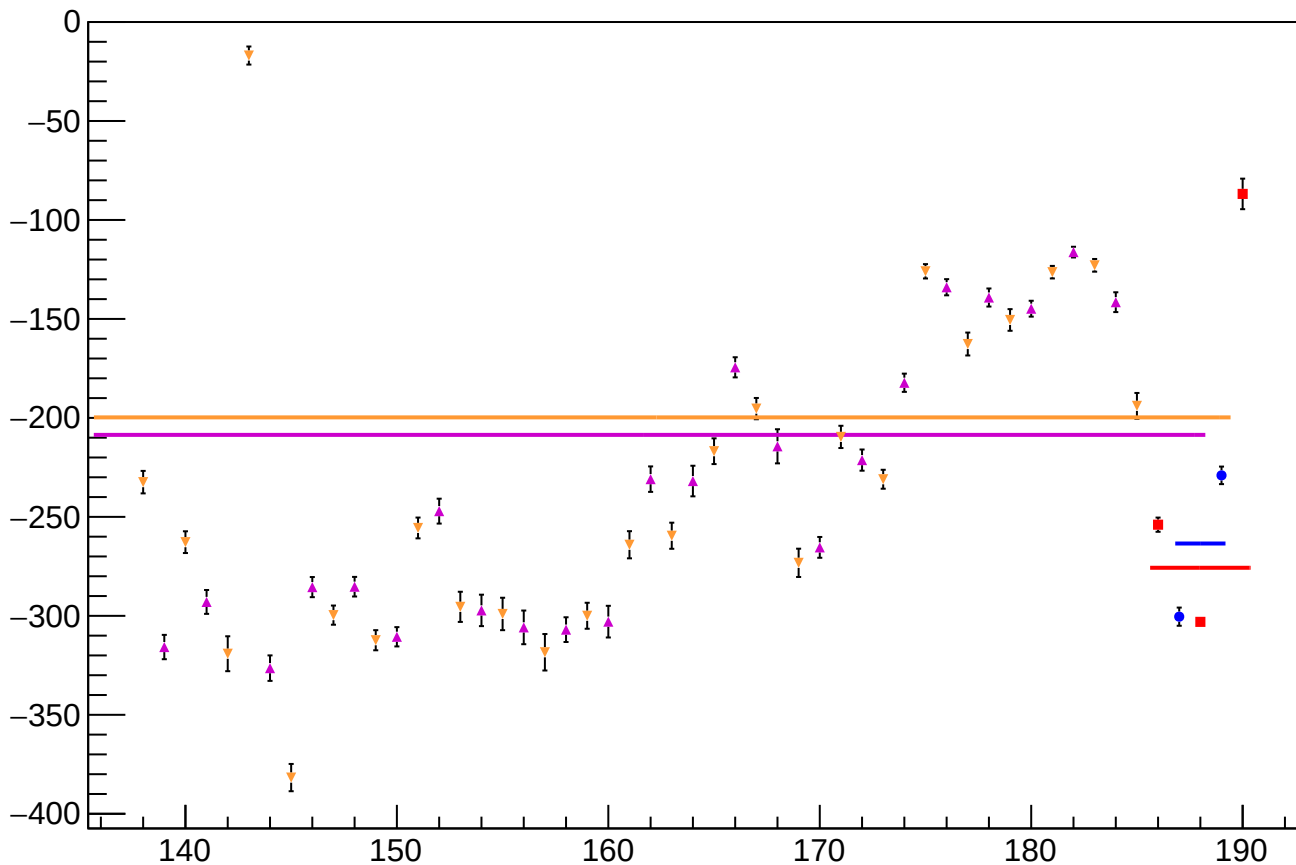
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -258.982 ± 0.072 χ^2/NDF : 228491.1/43

All: -256.576 ± 0.051 χ^2/NDF : 403674.3/88

- sign -254.228 ± 0.071 χ^2/NDF : 172984.9/44

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -263.460 ± 3.189 $\chi^2/\text{NDF}: 125.2/1$

Left Out: -199.741 ± 1.061 $\chi^2/\text{NDF}: 6361.5/24$

Right Out: -275.717 ± 1.916 $\chi^2/\text{NDF}: 769.1/2$

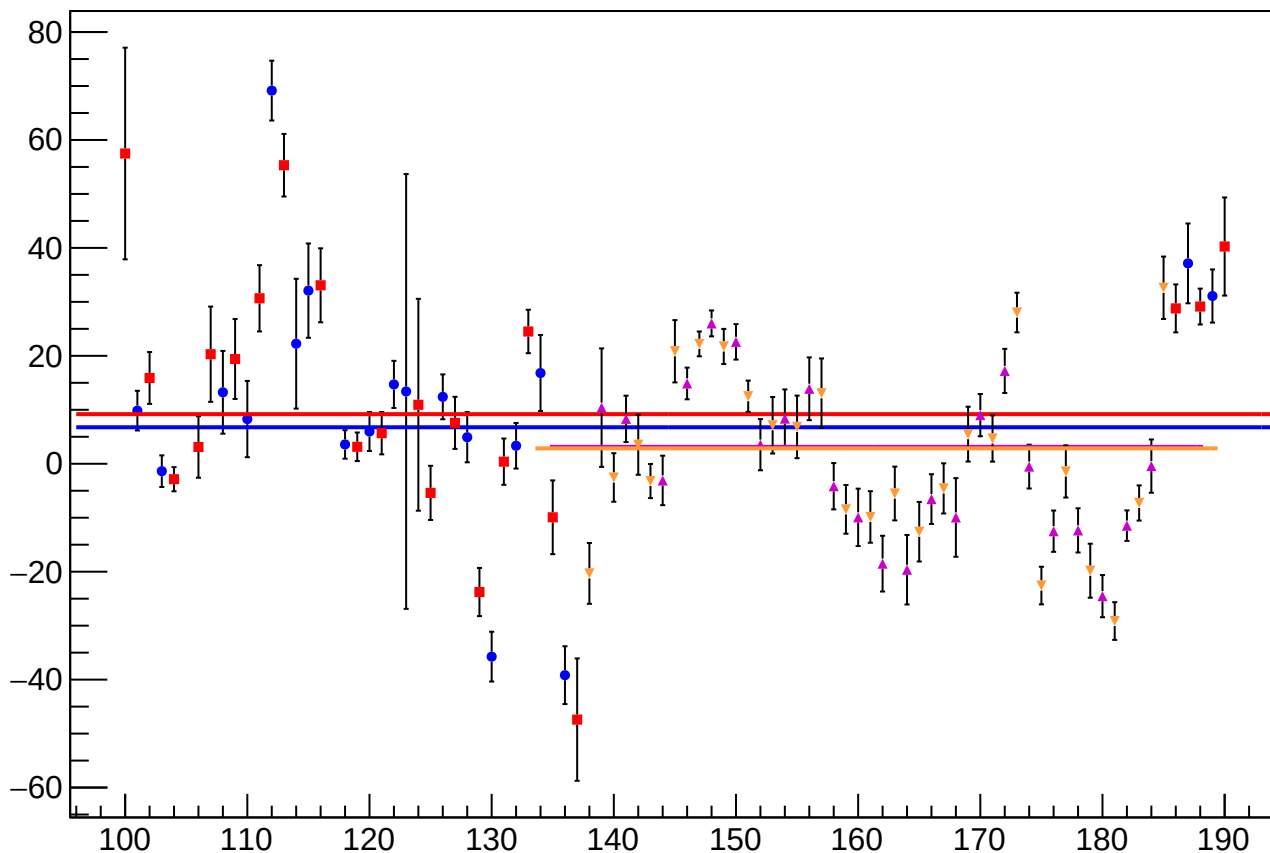
Left In: -208.579 ± 1.082 $\chi^2/\text{NDF}: 4805.1/22$

+ sign -206.093 ± 1.007 $\chi^2/\text{NDF}: 6846.1/26$

All: -216.075 ± 0.688 $\chi^2/\text{NDF}: 13535.5/52$

- sign -224.818 ± 0.942 $\chi^2/\text{NDF}: 6505.0/25$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 6.762 ± 1.069 $\chi^2/\text{NDF}: 355.1/18$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 9.194 ± 0.987 $\chi^2/\text{NDF}: 317.0/21$

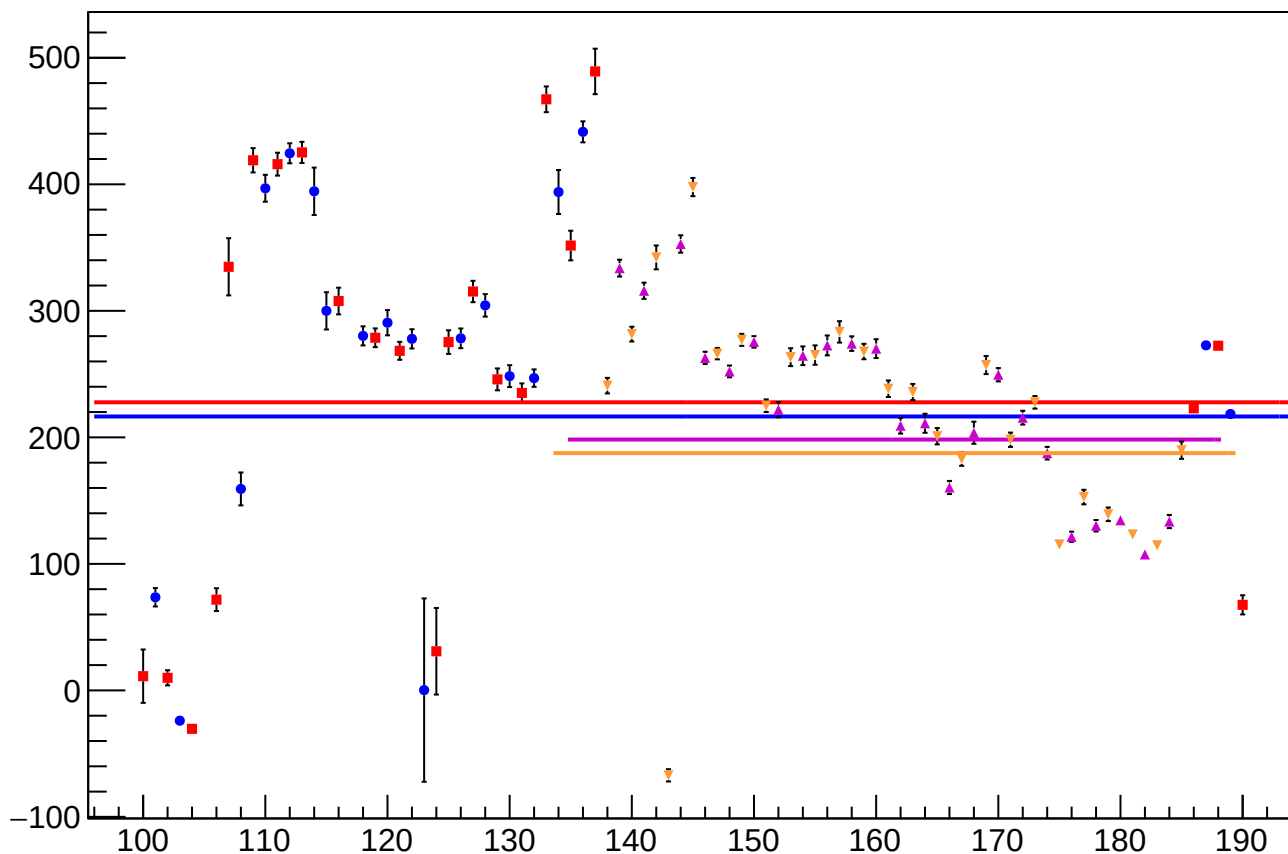
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 4.301 ± 0.651 $\chi^2/\text{NDF}: 783.3/43$

All: 5.024 ± 0.459 $\chi^2/\text{NDF}: 1444.0/88$

- sign 5.739 ± 0.647 $\chi^2/\text{NDF}: 658.3/44$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



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: 227.713 $\pm$ 1.210 χ^2/NDF : 9535.5/21

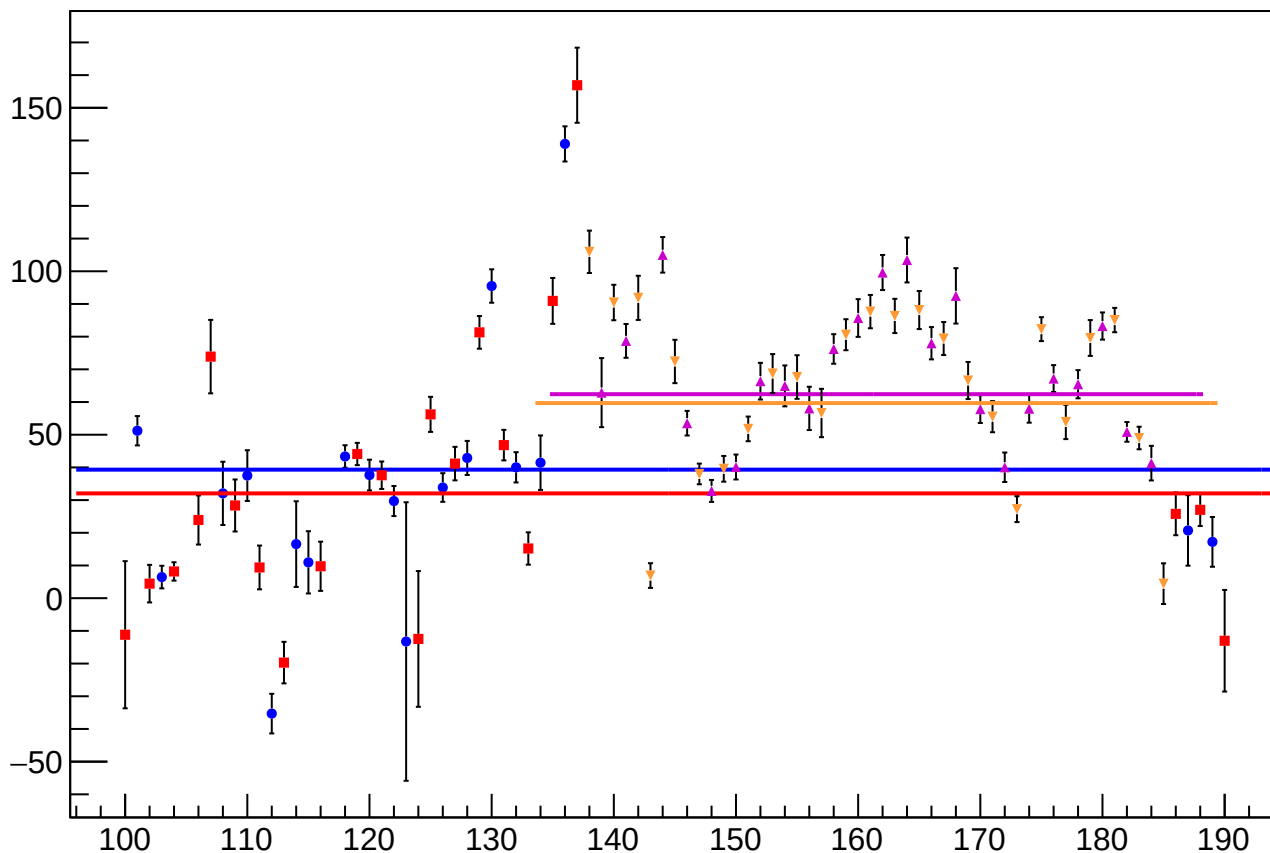
Left In: 198.269 $\pm$ 1.082 χ^2/NDF : 4515.8/22

+ sign 196.530 $\pm$ 0.885 χ^2/NDF : 14316.5/43

All: 204.629 $\pm$ 0.596 χ^2/NDF : 28850.0/88

- sign 211.346 $\pm$ 0.806 χ^2/NDF : 14380.5/44

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 39.319 ± 1.259 χ^2/NDF : 745.8/18

Left Out: 59.682 ± 0.941 χ^2/NDF : 757.6/24

Right Out: 32.052 ± 1.190 χ^2/NDF : 560.6/21

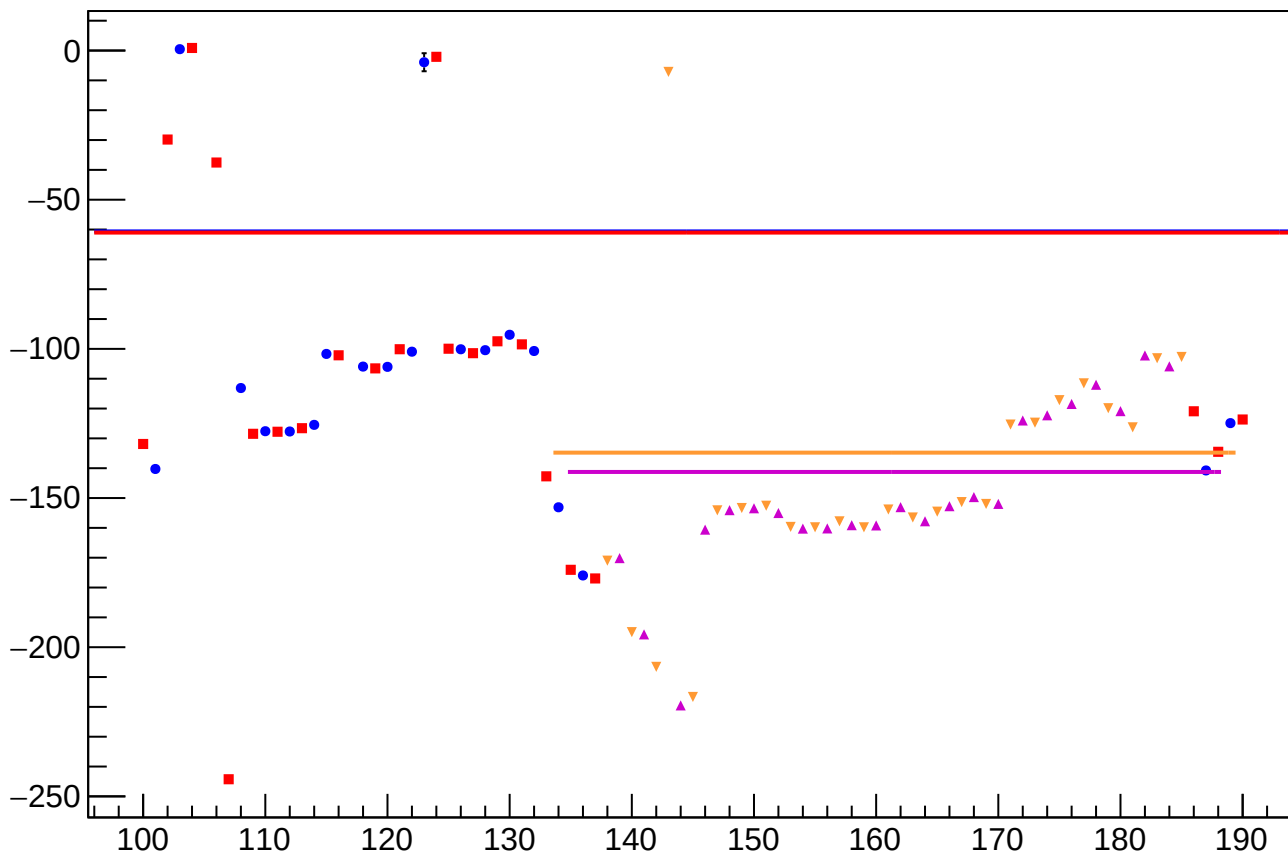
Left In: 62.400 ± 0.974 χ^2/NDF : 406.3/22

+ sign 52.386 ± 0.754 χ^2/NDF : 1671.3/43

All: 51.306 ± 0.533 χ^2/NDF : 3031.6/88

- sign 50.225 ± 0.754 χ^2/NDF : 1356.2/44

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -60.626 ± 0.061 $\chi^2/\text{NDF}: 1154305.0/18$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -61.019 ± 0.058 $\chi^2/\text{NDF}: 1130552.7/21$

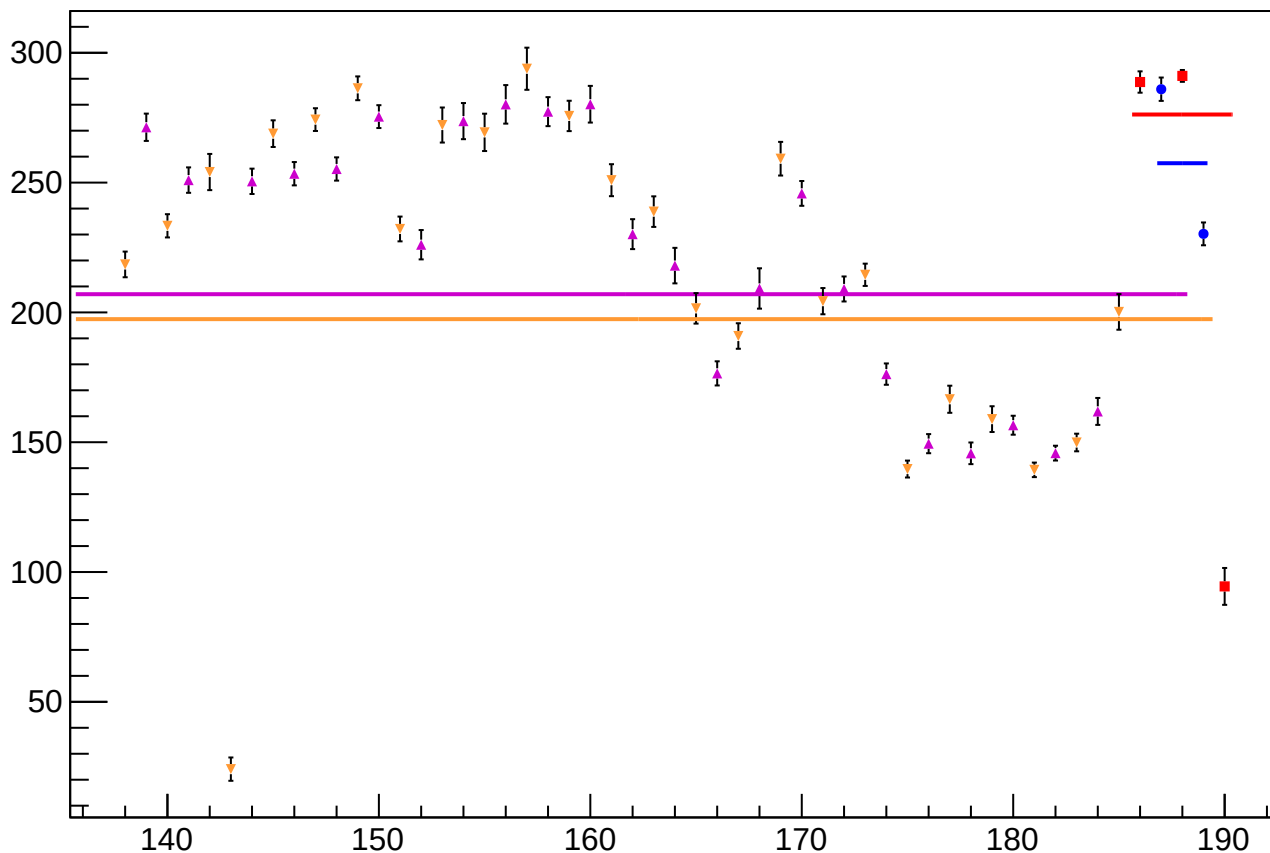
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -108.783 ± 0.036 $\chi^2/\text{NDF}: 2932440.9/43$

All: -109.738 ± 0.025 $\chi^2/\text{NDF}: 5607591.3/88$

- sign -110.680 ± 0.036 $\chi^2/\text{NDF}: 2673741.6/44$

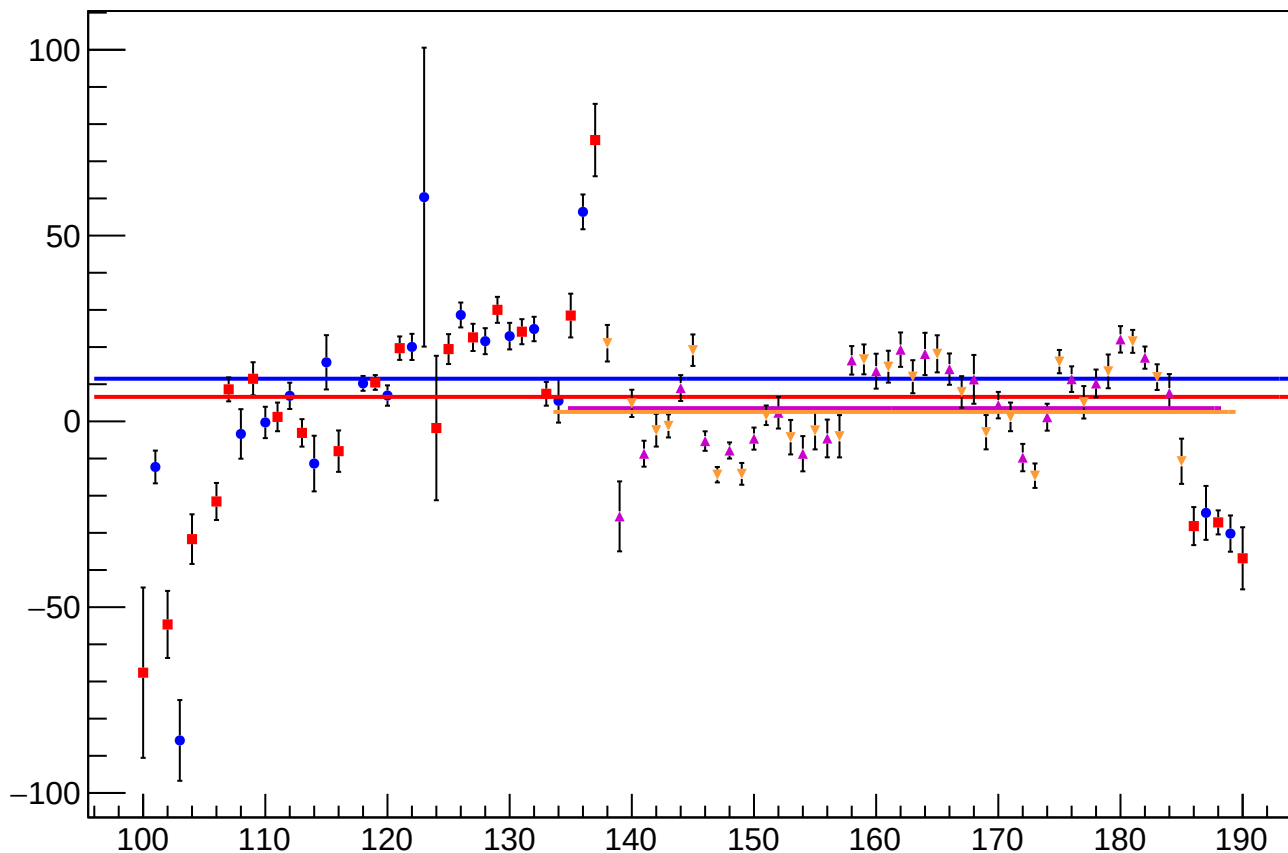
reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 257.466 $\pm$ 3.144 χ^2 /NDF: 78.5/1
 Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF:4384.2/24
 Right Out: 276.228 $\pm$ 1.919 χ^2 /NDF: 706.7/2
 Left In: 207.014 $\pm$ 0.990 χ^2 /NDF:2611.5/22

+ sign 202.558 $\pm$ 0.921 χ^2 /NDF: 4796.3/26
 All: 212.492 $\pm$ 0.636 χ^2 /NDF: 9364.6/52
 - sign 221.567 $\pm$ 0.880 χ^2 /NDF: 4345.5/25

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 11.481 ± 0.914 χ^2/NDF : 396.2/18

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 6.593 ± 0.863 χ^2/NDF : 507.5/21

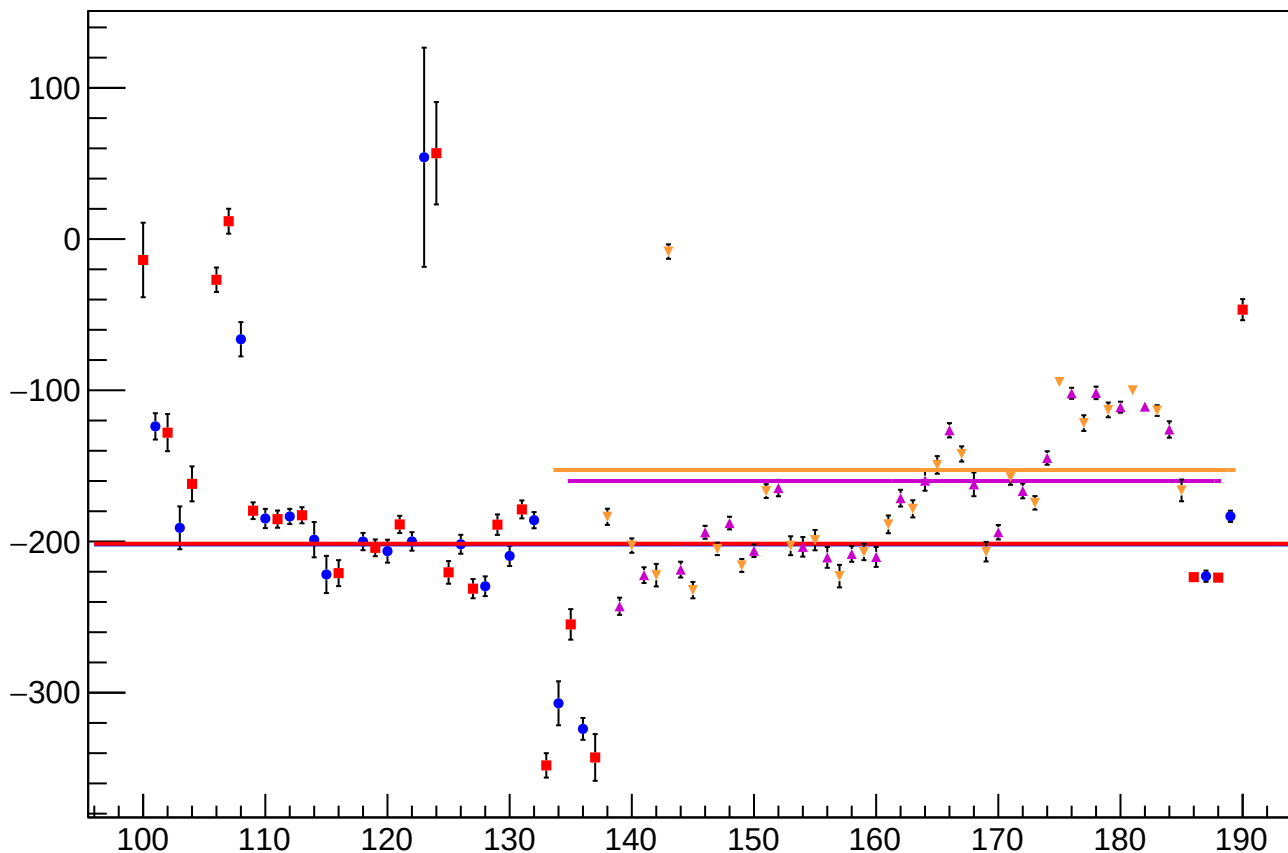
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 6.090 ± 0.576 χ^2/NDF : 729.3/43

All: 5.502 ± 0.407 χ^2/NDF : 1437.8/88

- sign 4.912 ± 0.576 χ^2/NDF : 706.4/44

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



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: -201.467 ± 1.151 χ^2/NDF : 2519.2/21

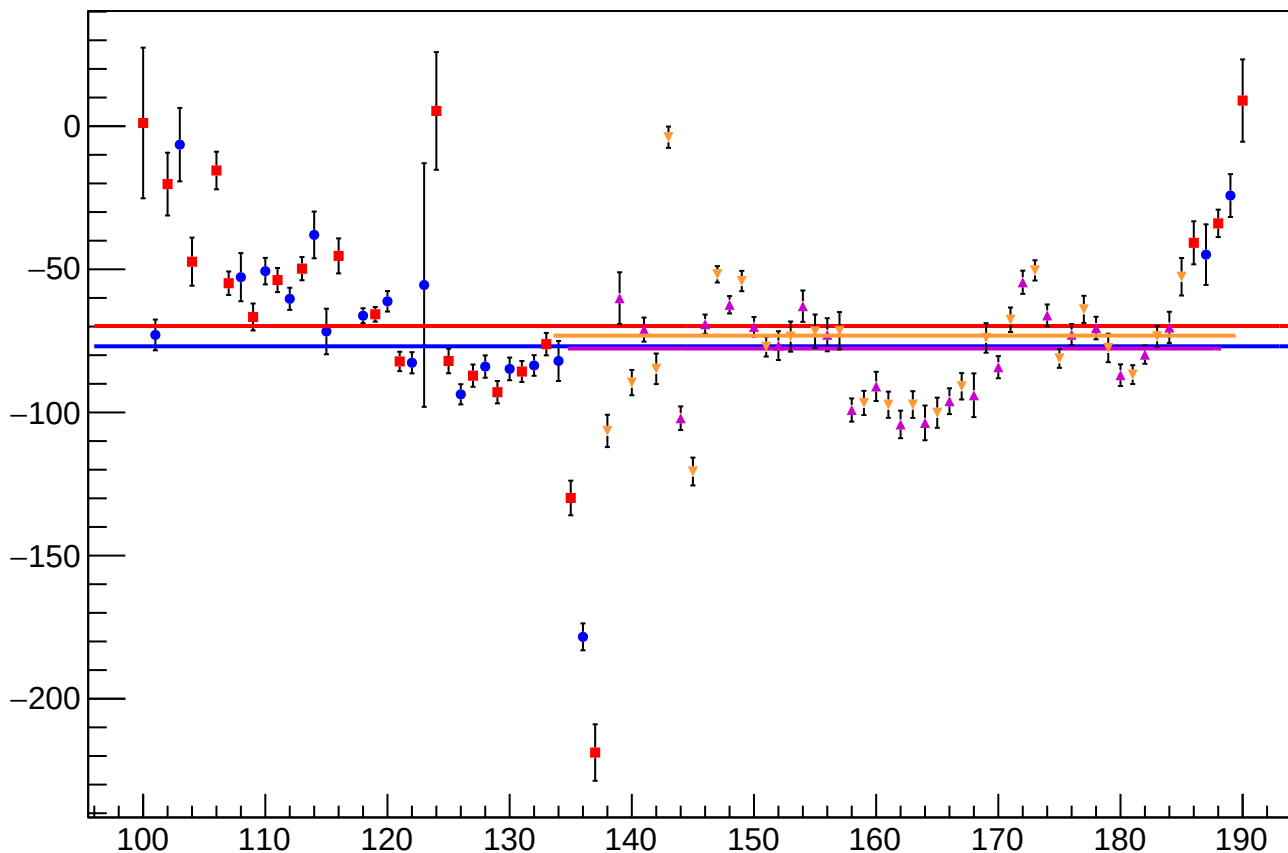
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -167.407 ± 0.810 χ^2/NDF : 4532.0/43

All: -172.902 ± 0.550 χ^2/NDF : 9906.9/88

- sign -177.613 ± 0.750 χ^2/NDF : 5289.5/44

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -76.892 $\pm$ 1.067 χ^2/NDF : 710.4/18

Left Out: -73.165 $\pm$ 0.851 χ^2/NDF :788.6/24

Right Out: -69.809 $\pm$ 1.017 χ^2/NDF : 712.9/21

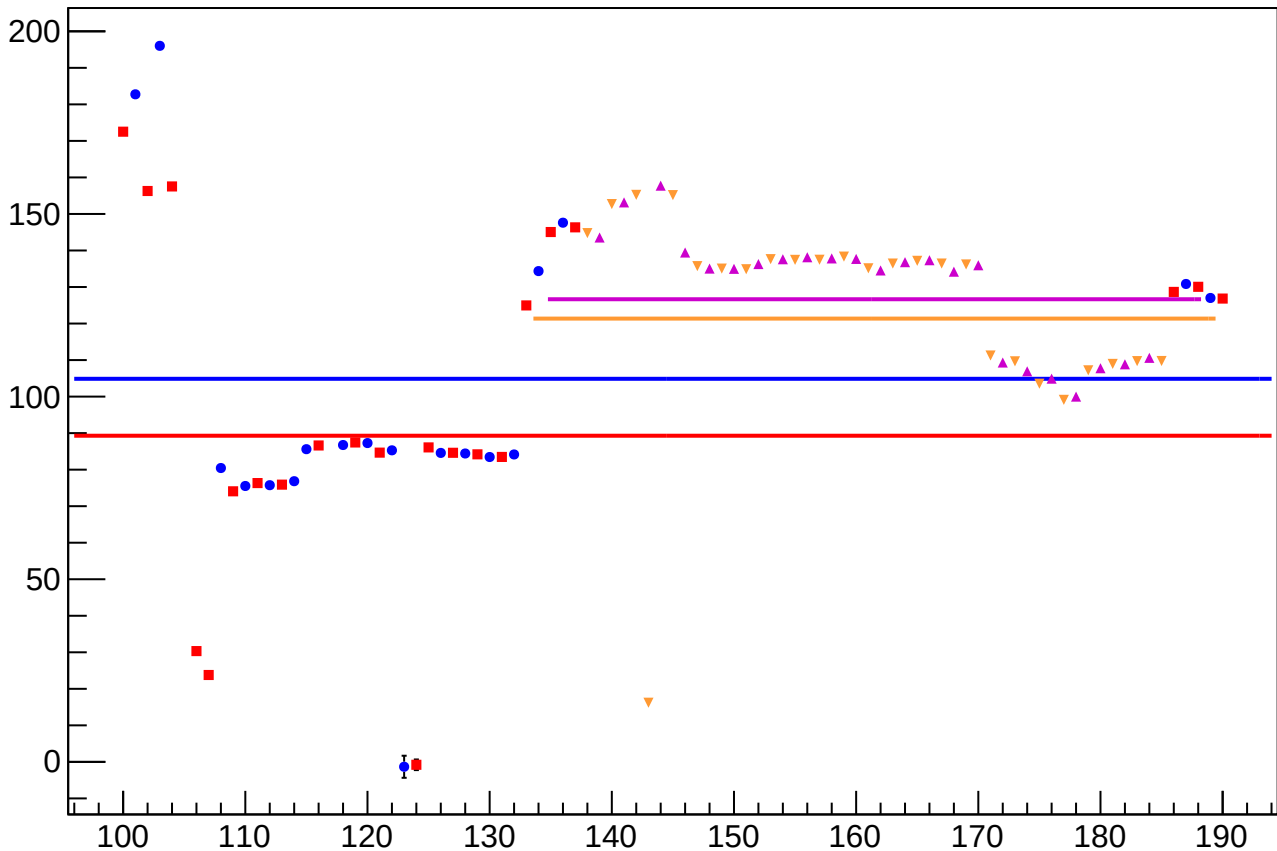
Left In: -77.678 $\pm$ 0.883 χ^2/NDF :248.3/22

+ sign -74.614 $\pm$ 0.665 χ^2/NDF : 1506.4/43

All: -74.456 $\pm$ 0.471 χ^2/NDF : 2501.8/88

- sign -74.297 $\pm$ 0.667 χ^2/NDF : 995.3/44

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 104.873 ± 0.069 $\chi^2/\text{NDF}: 279134.2/18$

Left Out: 121.356 ± 0.040 $\chi^2/\text{NDF}: 481977.3/24$

Right Out: 89.289 ± 0.061 $\chi^2/\text{NDF}: 468561.8/21$

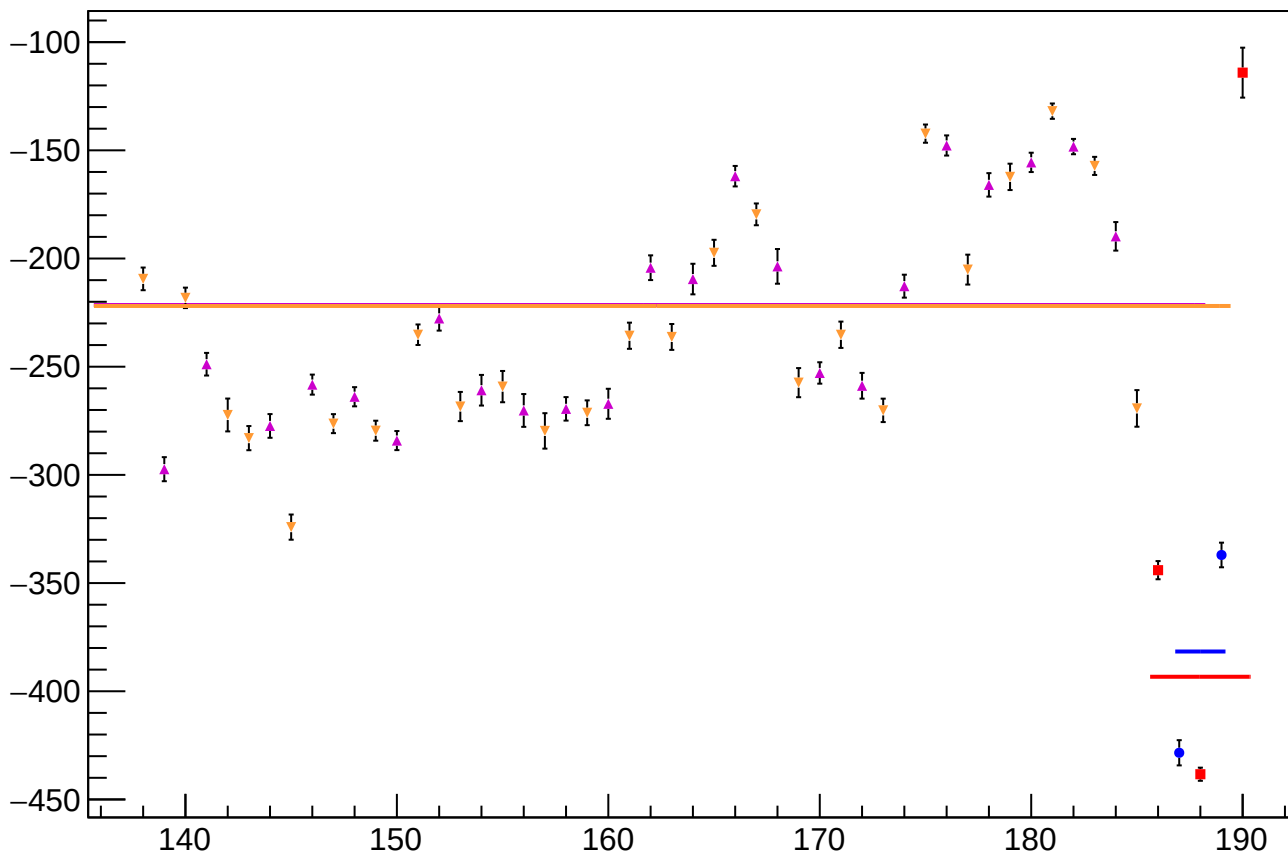
Left In: 126.653 ± 0.041 $\chi^2/\text{NDF}: 163046.1/22$

+ sign 117.163 ± 0.035 $\chi^2/\text{NDF}: 803661.0/43$

All: 116.012 ± 0.024 $\chi^2/\text{NDF}: 1697372.6/88$

- sign 114.914 ± 0.034 $\chi^2/\text{NDF}: 891576.0/44$

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -381.628+/-4.074 χ^2/NDF : 125.8/1

Left Out: -221.934+/-1.084 χ^2/NDF : 2578.4/24

Right Out: -393.299+/-2.408 χ^2/NDF : 942.2/2

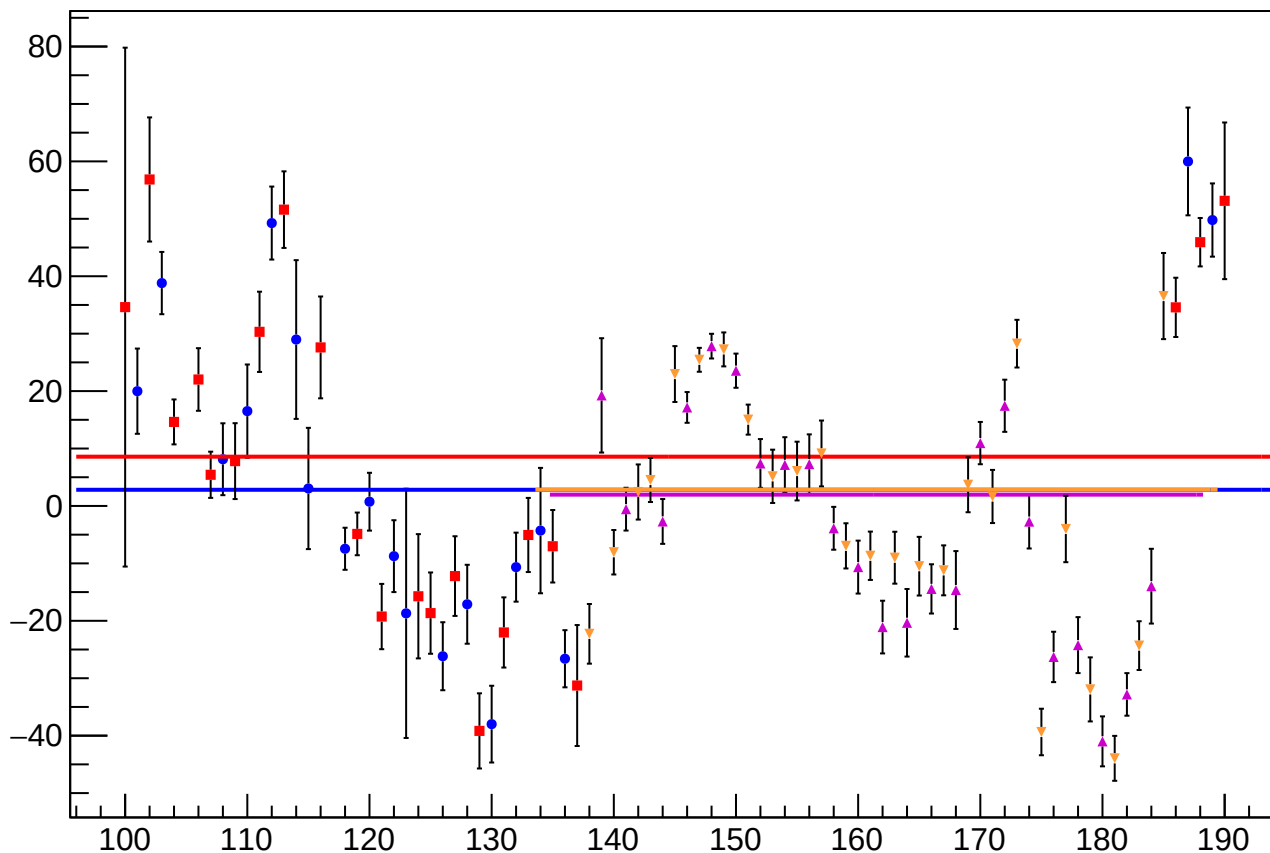
Left In: -221.483+/-1.102 χ^2/NDF : 2149.8/22

+ sign -232.500+/-1.048 χ^2/NDF : 4139.0/26

All: -242.292+/-0.724 χ^2/NDF : 11607.7/52

- sign -251.249+/-1.002 χ^2/NDF : 7301.5/25

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 2.817 ± 1.478 $\chi^2/\text{NDF}: 323.9/18$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 8.581 ± 1.282 $\chi^2/\text{NDF}: 368.9/21$

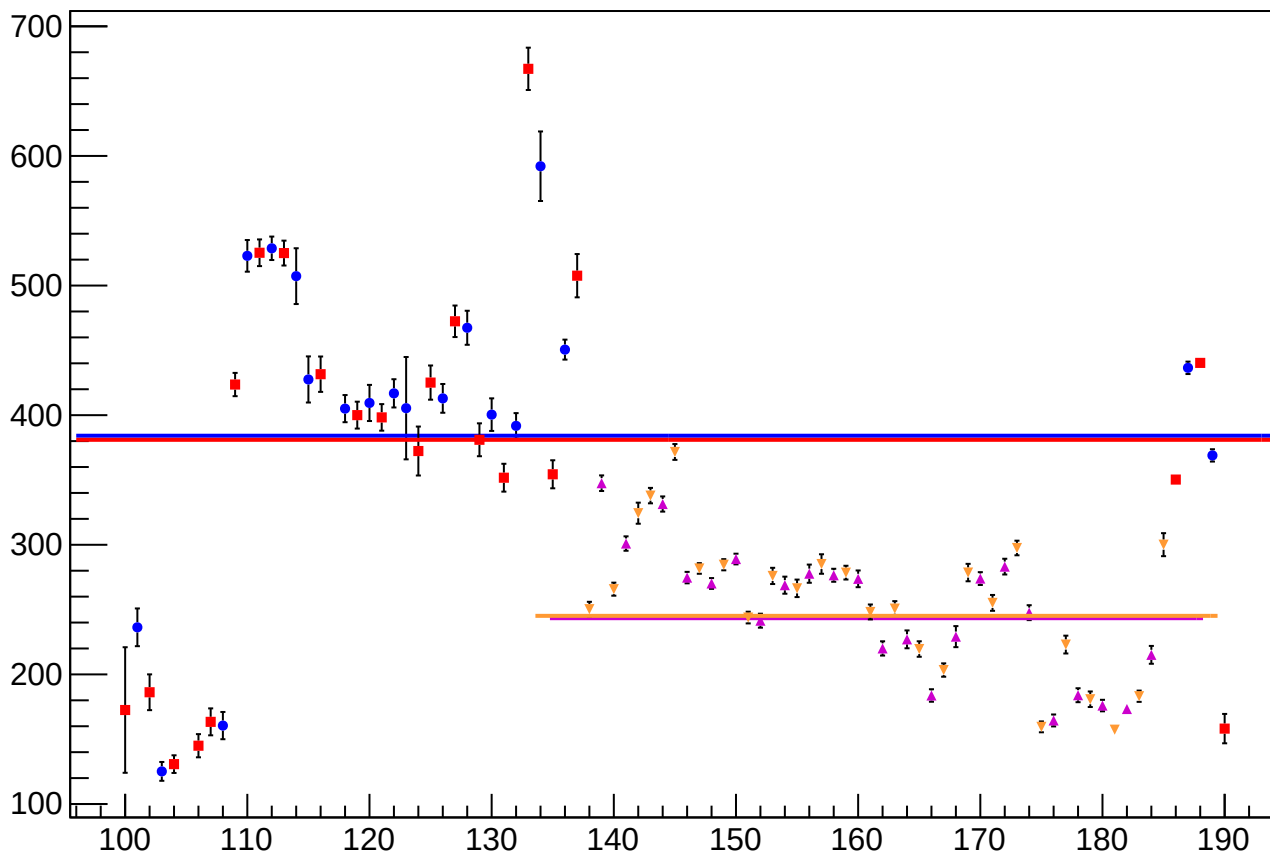
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 2.829 ± 0.708 $\chi^2/\text{NDF}: 1010.8/43$

All: 3.390 ± 0.498 $\chi^2/\text{NDF}: 1988.7/88$

- sign 3.938 ± 0.700 $\chi^2/\text{NDF}: 976.7/44$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



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: 380.984 $\pm$ 1.549 χ^2 /NDF: 4673.6/21

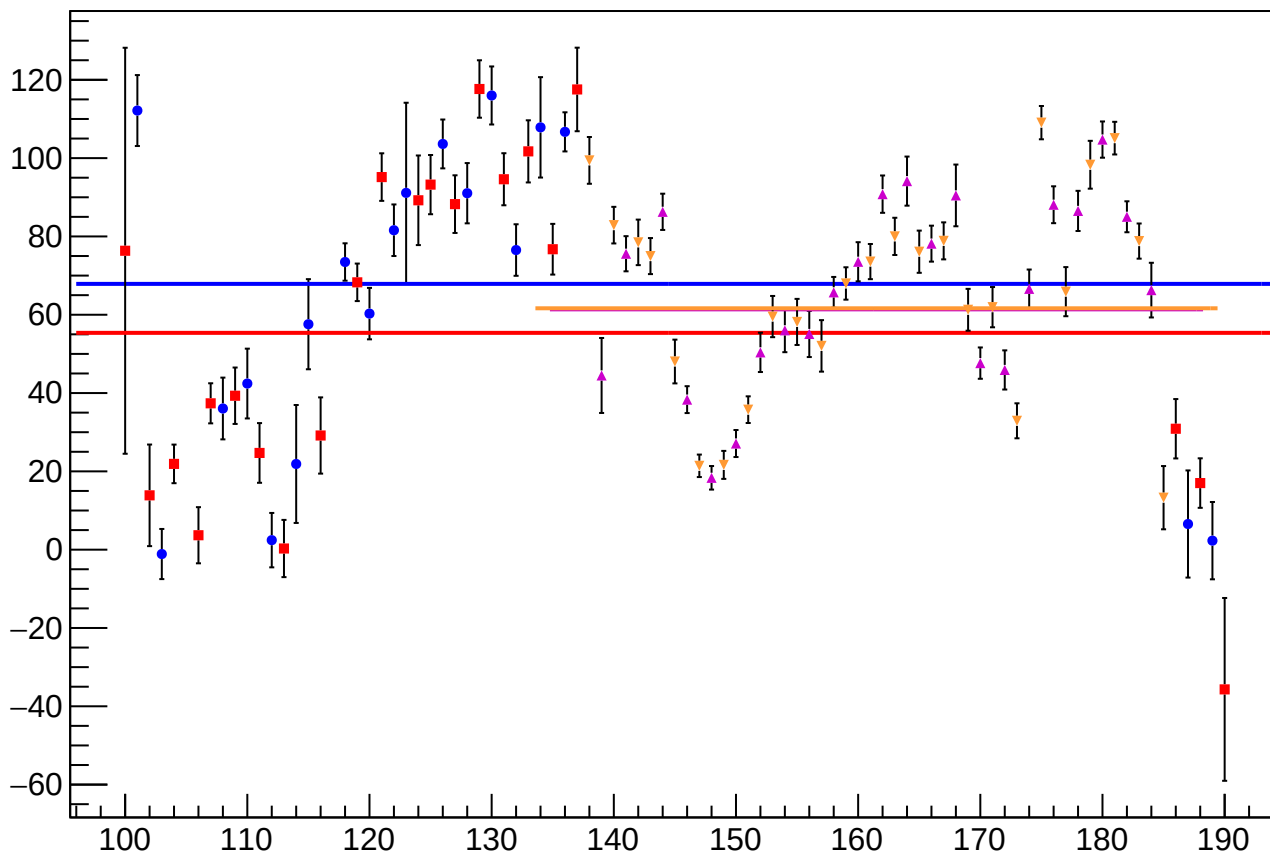
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF:2236.7/22

+ sign 273.327 $\pm$ 0.966 χ^2 /NDF: 8518.3/43

All: 281.847 $\pm$ 0.656 χ^2 /NDF: 20838.7/88

- sign 289.132 $\pm$ 0.893 χ^2 /NDF: 12176.2/44

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 67.883 ± 1.726 χ^2/NDF : 491.4/18

Left Out: 61.647 ± 0.936 χ^2/NDF : 871.5/24

Right Out: 55.376 ± 1.545 χ^2/NDF : 558.3/21

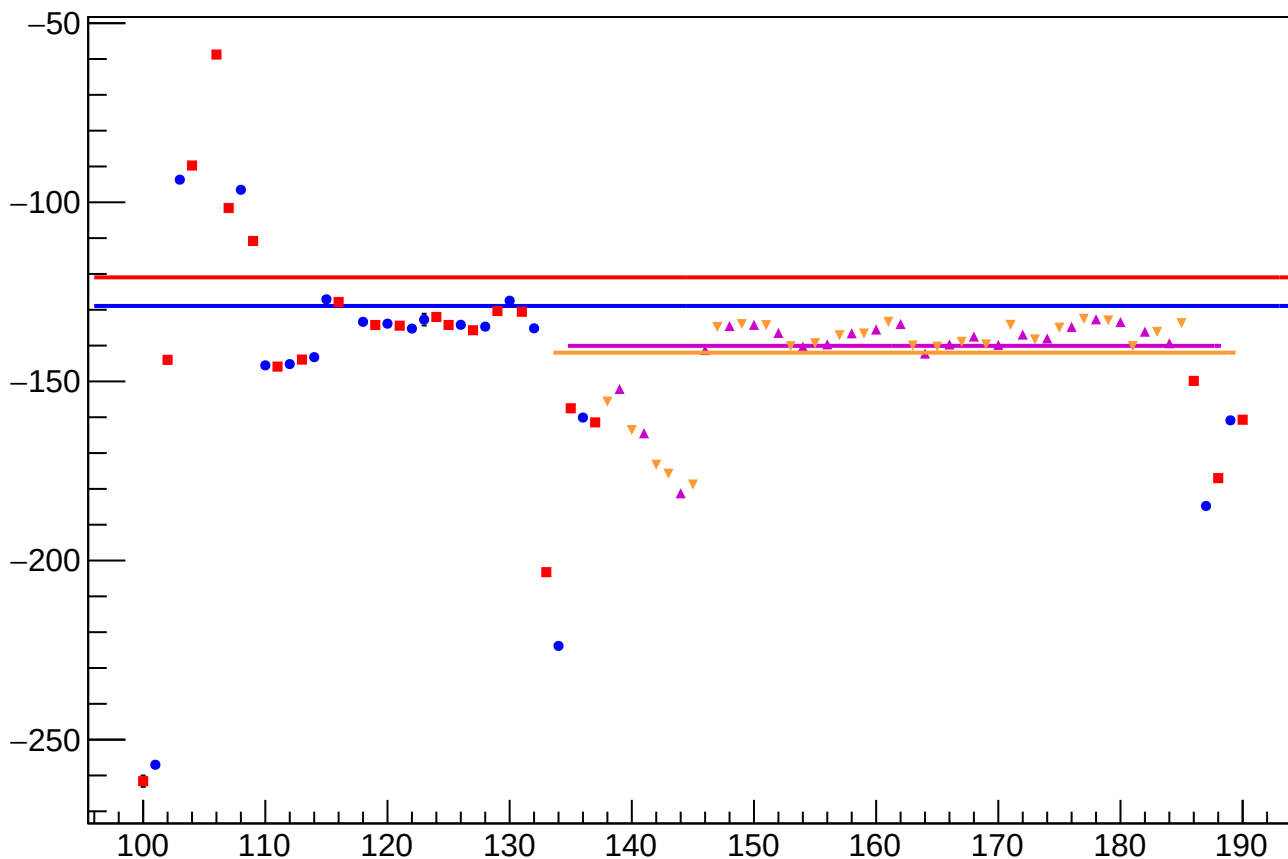
Left In: 61.375 ± 0.961 χ^2/NDF : 699.7/22

+ sign 63.064 ± 0.823 χ^2/NDF : 1373.1/43

All: 61.368 ± 0.579 χ^2/NDF : 2650.3/88

- sign 59.701 ± 0.816 χ^2/NDF : 1268.8/44

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -128.934 $\pm$ 0.088 χ^2 /NDF: 177196.3/18

Left Out: -141.969 $\pm$ 0.045 χ^2 /NDF: 80252.6/24

Right Out: -120.954 $\pm$ 0.079 χ^2 /NDF: 204507.9/21

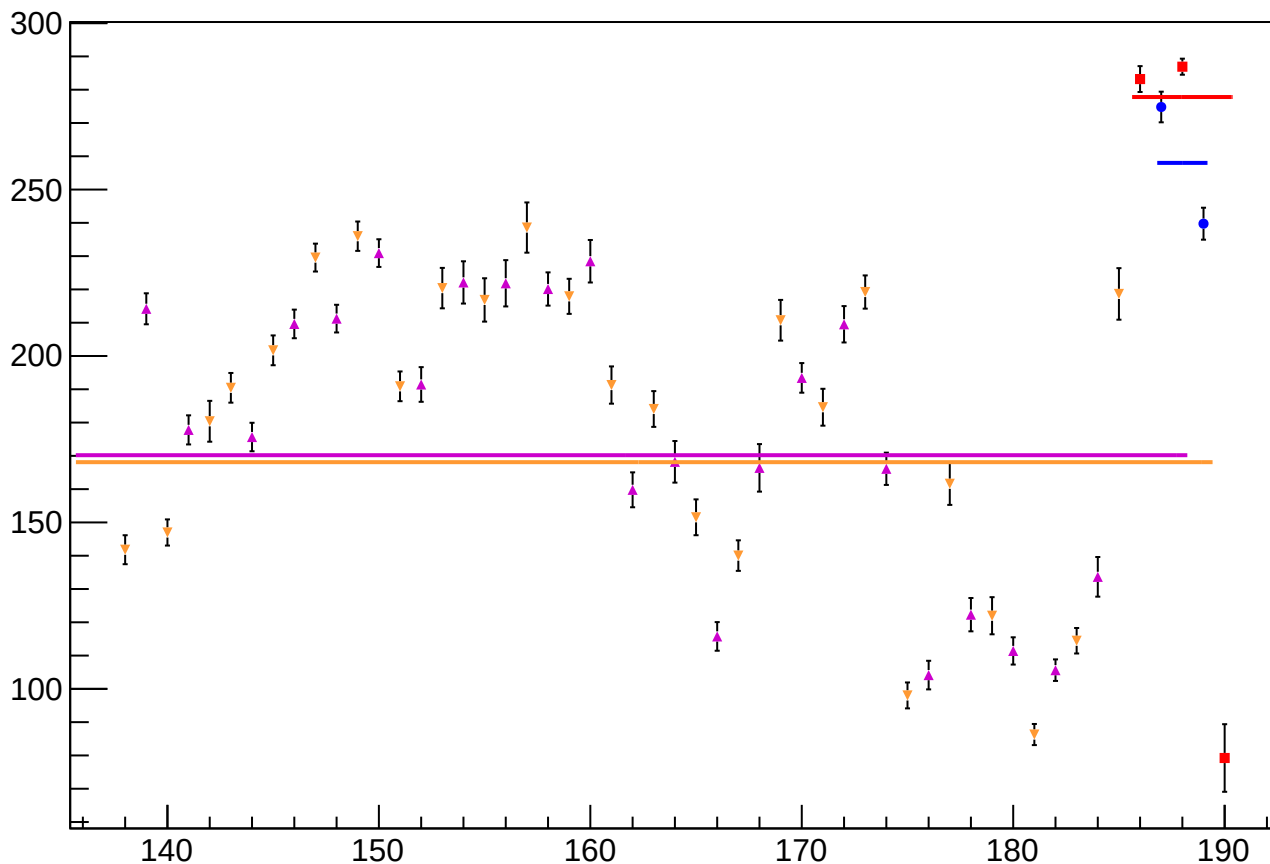
Left In: -140.068 $\pm$ 0.045 χ^2 /NDF: 48030.7/22

+ sign -139.282 $\pm$ 0.040 χ^2 /NDF: 274980.3/43

All: -137.309 $\pm$ 0.028 χ^2 /NDF: 576344.8/88

- sign -135.406 $\pm$ 0.039 χ^2 /NDF: 296545.2/44

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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: 277.799 $\pm$ 2.008 χ^2 /NDF: 398.6/2

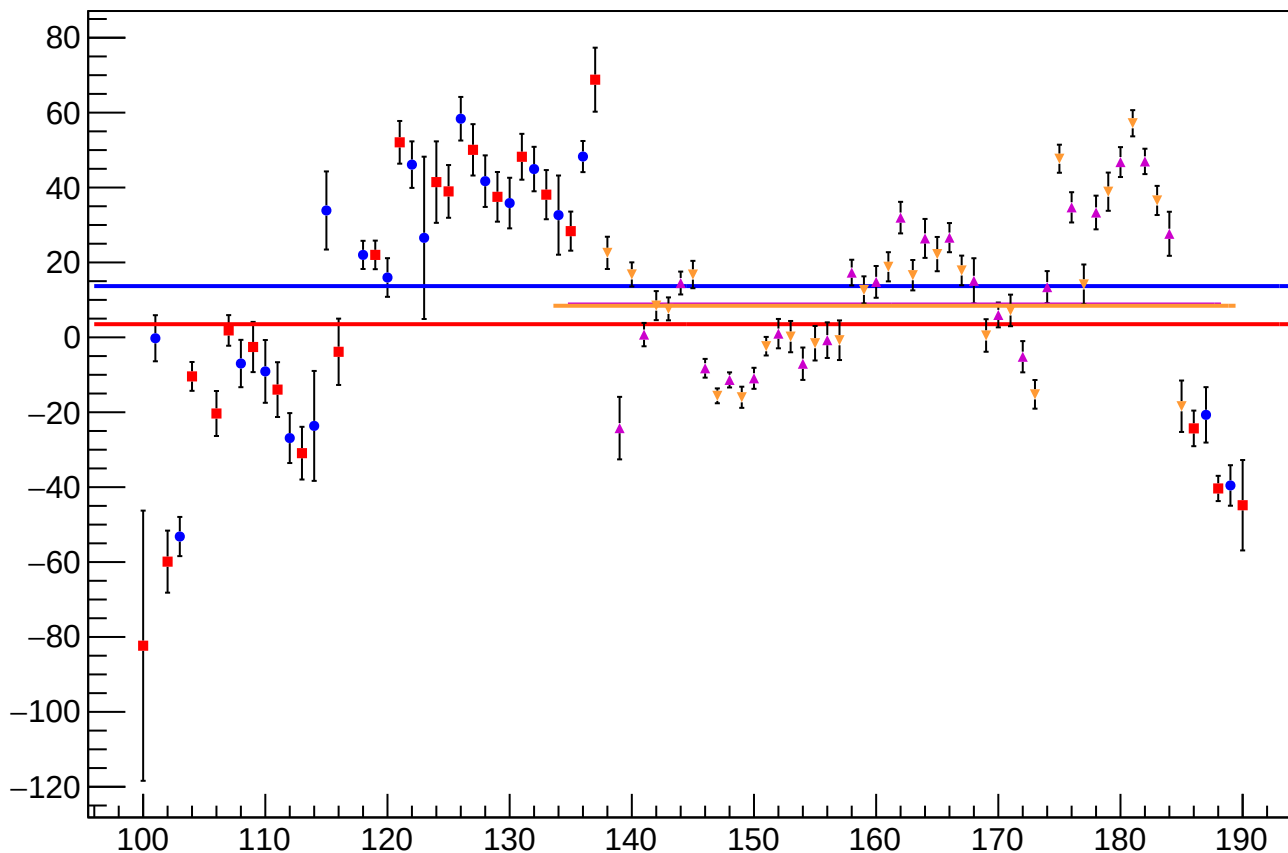
Left In: 170.198 $\pm$ 0.995 χ^2 /NDF: 2024.5/22

+ sign 175.173 $\pm$ 0.931 χ^2 /NDF: 3171.6/26

All: 183.651 $\pm$ 0.644 χ^2 /NDF: 8058.7/52

- sign 191.424 $\pm$ 0.892 χ^2 /NDF: 4728.3/25

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 13.684 $\pm$ 1.421 χ^2/NDF : 571.3/18

Left Out: 8.436 $\pm$ 0.728 χ^2/NDF : 752.0/24

Right Out: 3.512 $\pm$ 1.235 χ^2/NDF : 712.0/21

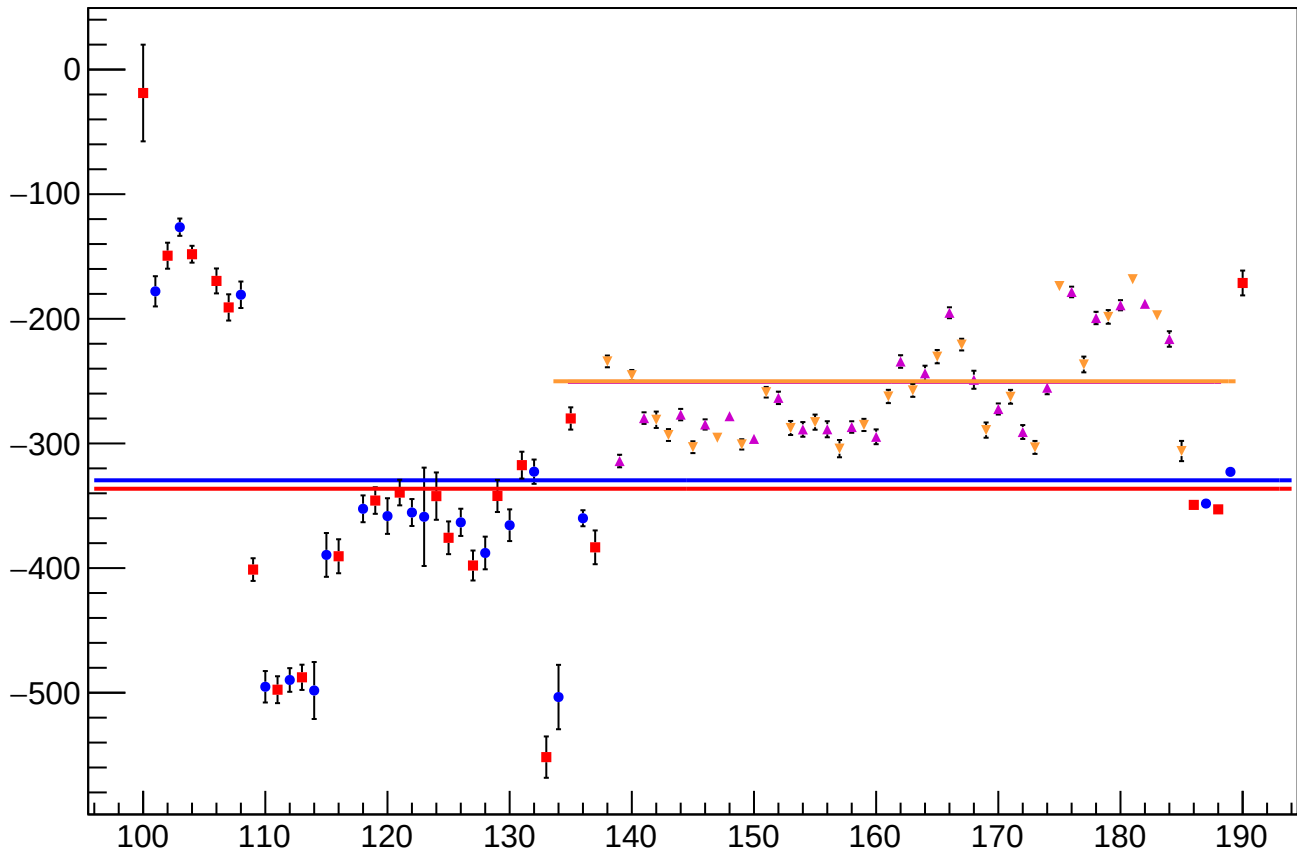
Left In: 8.769 $\pm$ 0.758 χ^2/NDF : 626.8/22

+ sign 9.527 $\pm$ 0.648 χ^2/NDF : 1334.2/43

All: 8.425 $\pm$ 0.458 χ^2/NDF : 2692.0/88

- sign 7.330 $\pm$ 0.646 χ^2/NDF : 1352.0/44

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



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: -336.342 ± 1.363 $\chi^2/\text{NDF}: 2770.7/21$

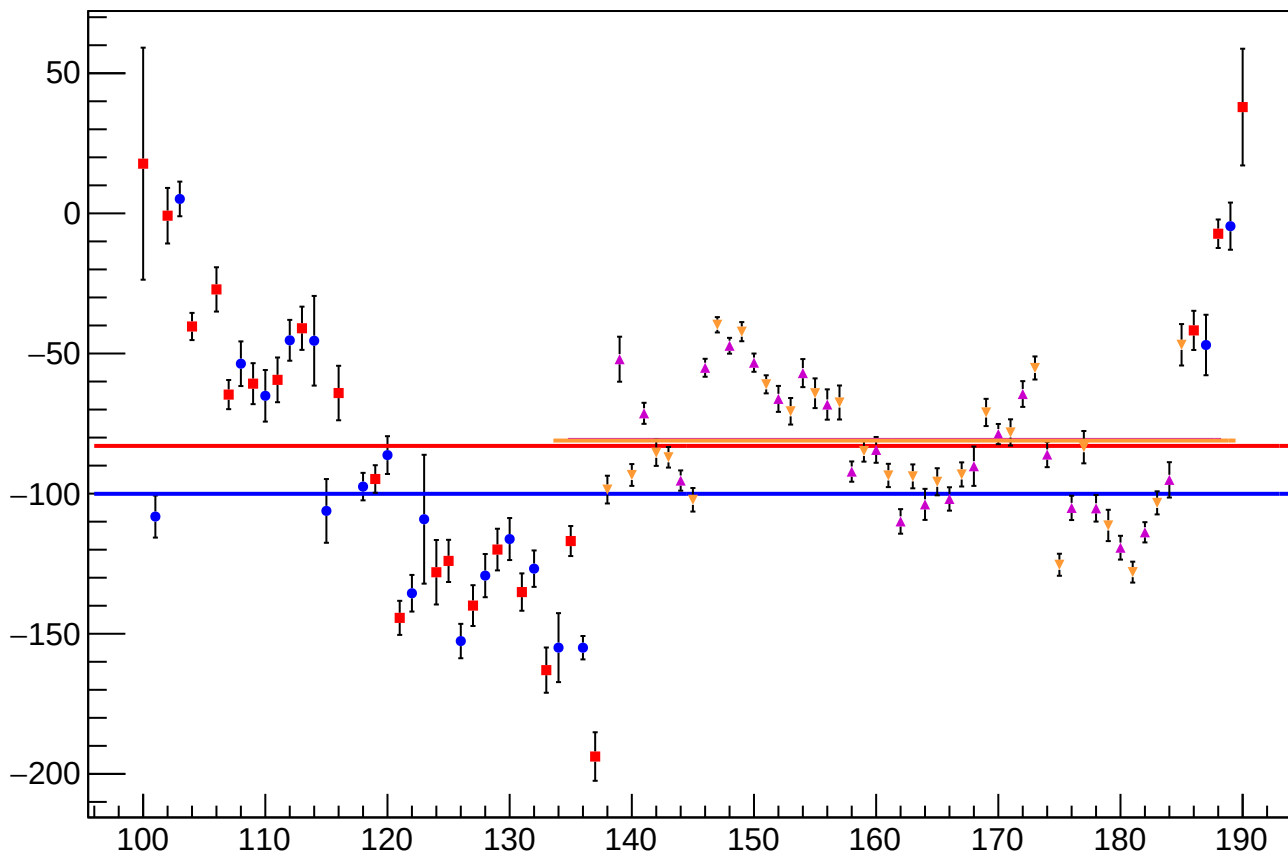
Left In: -250.628 ± 0.990 $\chi^2/\text{NDF}: 1937.1/22$

+ sign -266.357 ± 0.867 $\chi^2/\text{NDF}: 5491.1/43$

All: -273.845 ± 0.589 $\chi^2/\text{NDF}: 12924.5/88$

- sign -280.237 ± 0.801 $\chi^2/\text{NDF}: 7295.3/44$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -100.064 ± 1.661 χ^2/NDF : 897.3/18

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -82.972 ± 1.497 χ^2/NDF : 1157.7/21

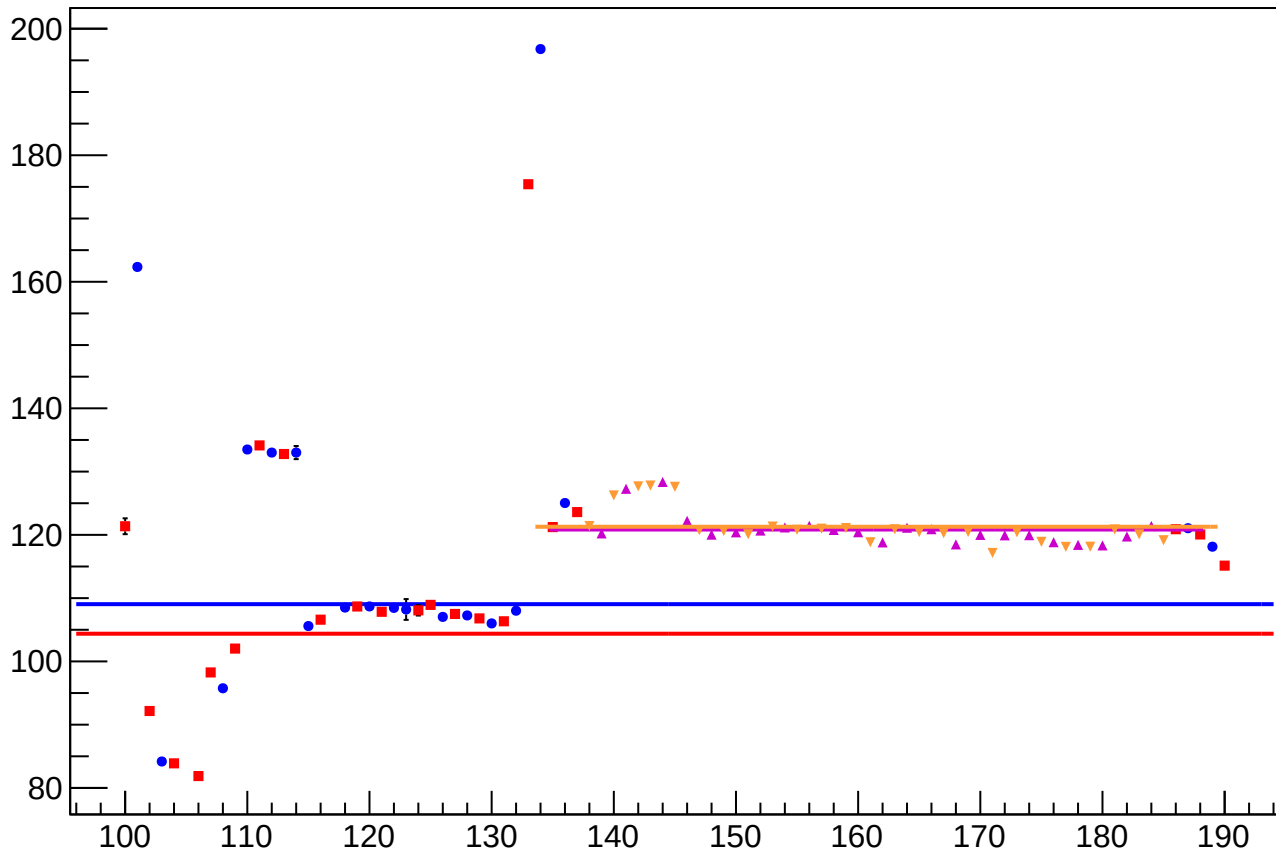
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -84.951 ± 0.752 χ^2/NDF : 1914.5/43

All: -83.167 ± 0.532 χ^2/NDF : 3778.1/88

- sign -81.375 ± 0.753 χ^2/NDF : 1852.3/44

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 109.047 $\pm$ 0.083 χ^2 /NDF: 74154.8/18

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 104.377 $\pm$ 0.075 χ^2 /NDF: 58084.0/21

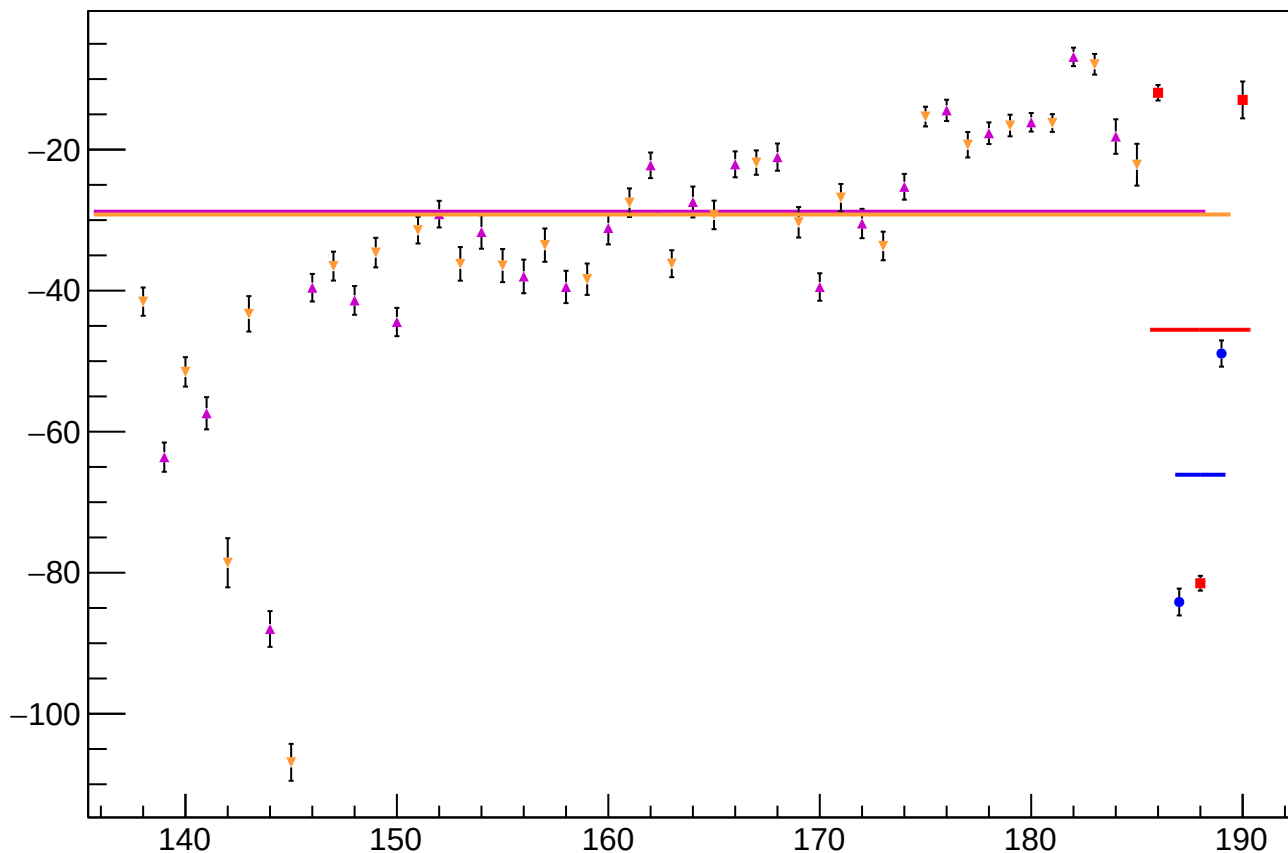
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.951 $\pm$ 0.036 χ^2 /NDF: 96834.0/43

All: 118.023 $\pm$ 0.025 χ^2 /NDF: 196729.6/88

- sign 117.109 $\pm$ 0.036 χ^2 /NDF: 98581.1/44

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -66.105+/-1.331 χ^2/NDF : 175.1/1

Left Out: -29.199+/-0.389 χ^2/NDF :1881.5/24

Right Out: -45.547+/-0.729 χ^2/NDF : 2265.9/2

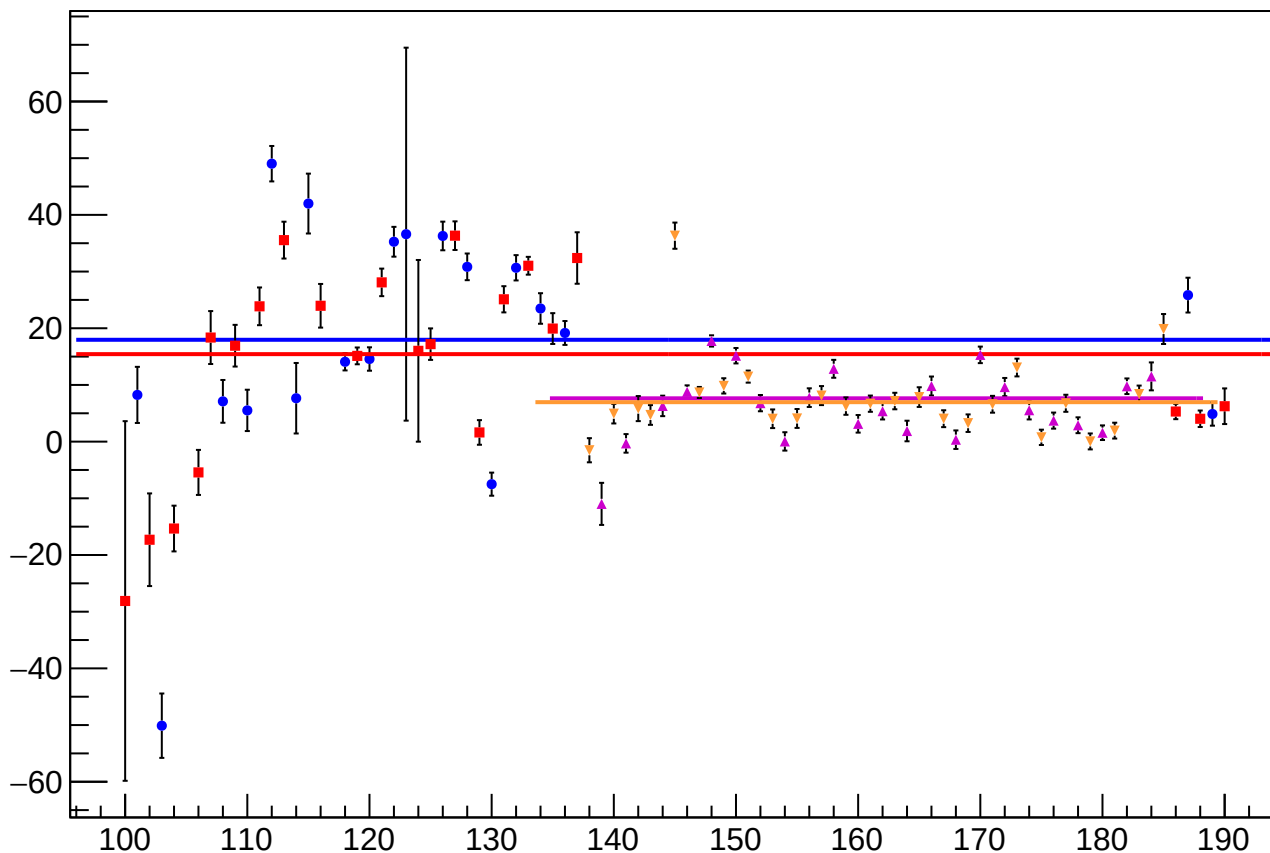
Left In: -28.810+/-0.395 χ^2/NDF :1763.8/22

+ sign -32.097+/-0.373 χ^2/NDF : 2765.1/26

All: -32.376+/-0.254 χ^2/NDF : 7203.6/52

- sign -32.617+/-0.347 χ^2/NDF : 4437.5/25

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 17.965 ± 0.611 χ^2/NDF : 665.2/18

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 15.434 ± 0.531 χ^2/NDF : 549.6/21

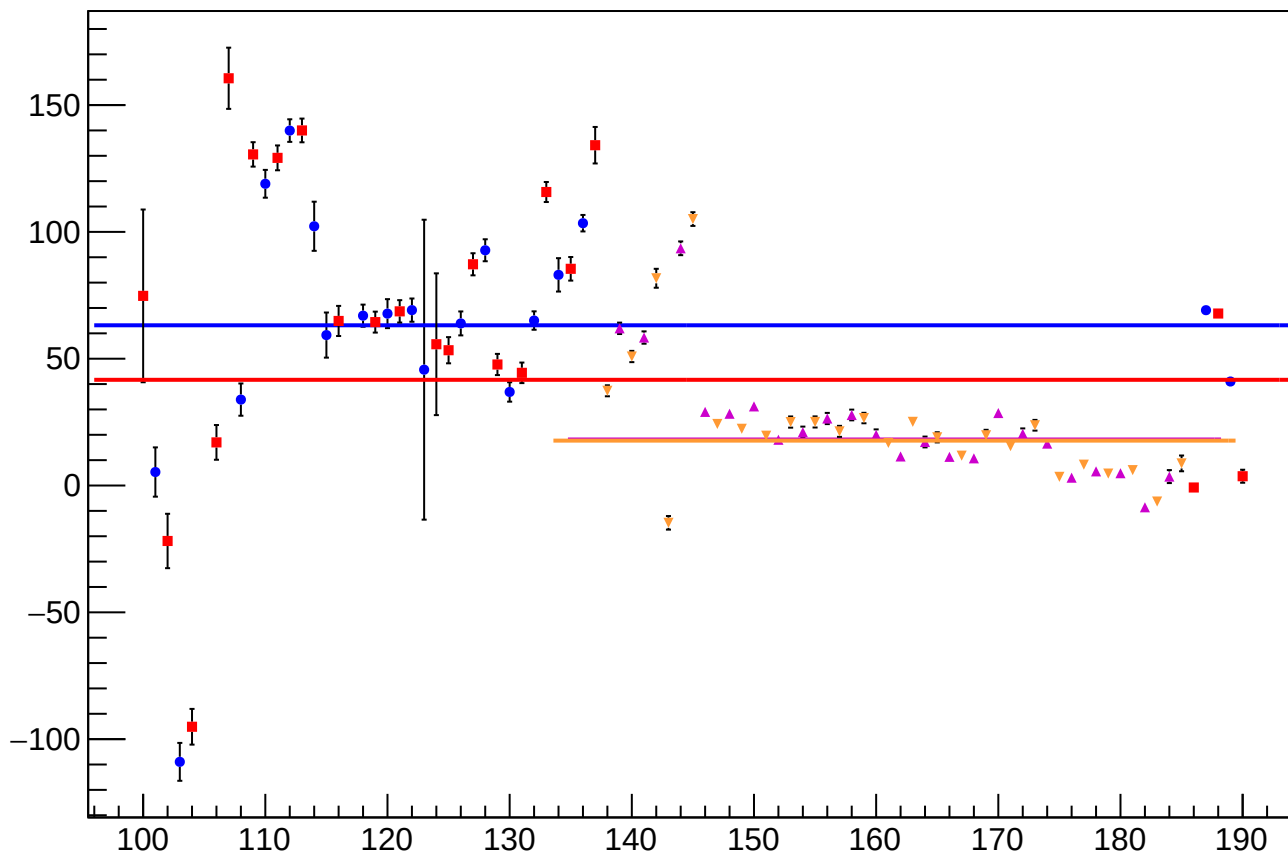
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 9.132 ± 0.271 χ^2/NDF : 1246.9/43

All: 9.393 ± 0.191 χ^2/NDF : 2295.6/88

- sign 9.651 ± 0.270 χ^2/NDF : 1046.9/44

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 63.175 $\pm$ 0.827 χ^2 /NDF: 1478.1/18

Left Out: 17.705 $\pm$ 0.387 χ^2 /NDF: 2432.2/24

Right Out: 41.679 $\pm$ 0.533 χ^2 /NDF: 5947.1/21

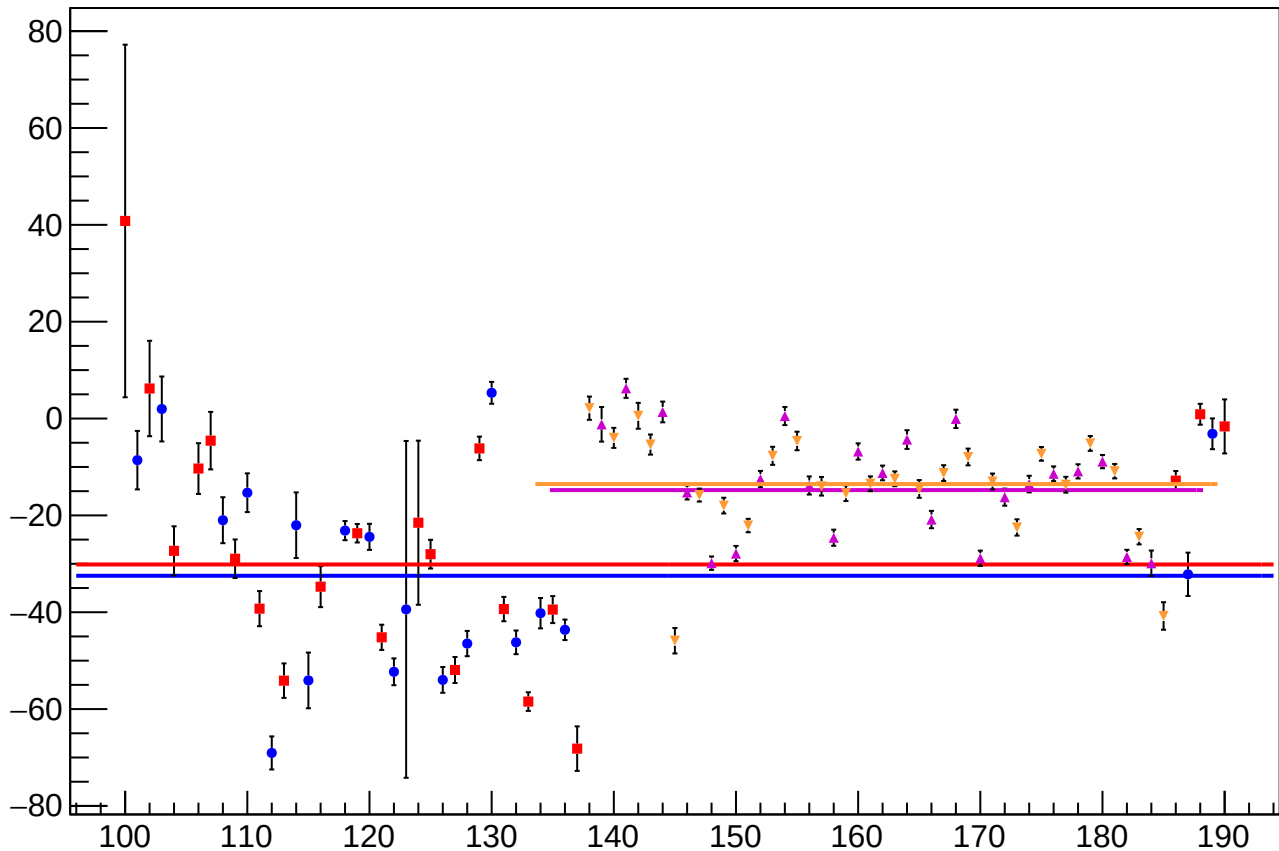
Left In: 18.150 $\pm$ 0.393 χ^2 /NDF: 2339.4/22

+ sign 25.888 $\pm$ 0.351 χ^2 /NDF: 6391.7/43

All: 26.181 $\pm$ 0.235 χ^2 /NDF: 15941.8/88

- sign 26.419 $\pm$ 0.316 χ^2 /NDF: 9548.8/44

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -32.471 ± 0.717 χ^2/NDF : 804.8/18

Left Out: -13.531 ± 0.344 χ^2/NDF : 572.8/24

Right Out: -30.140 ± 0.653 χ^2/NDF : 931.1/21

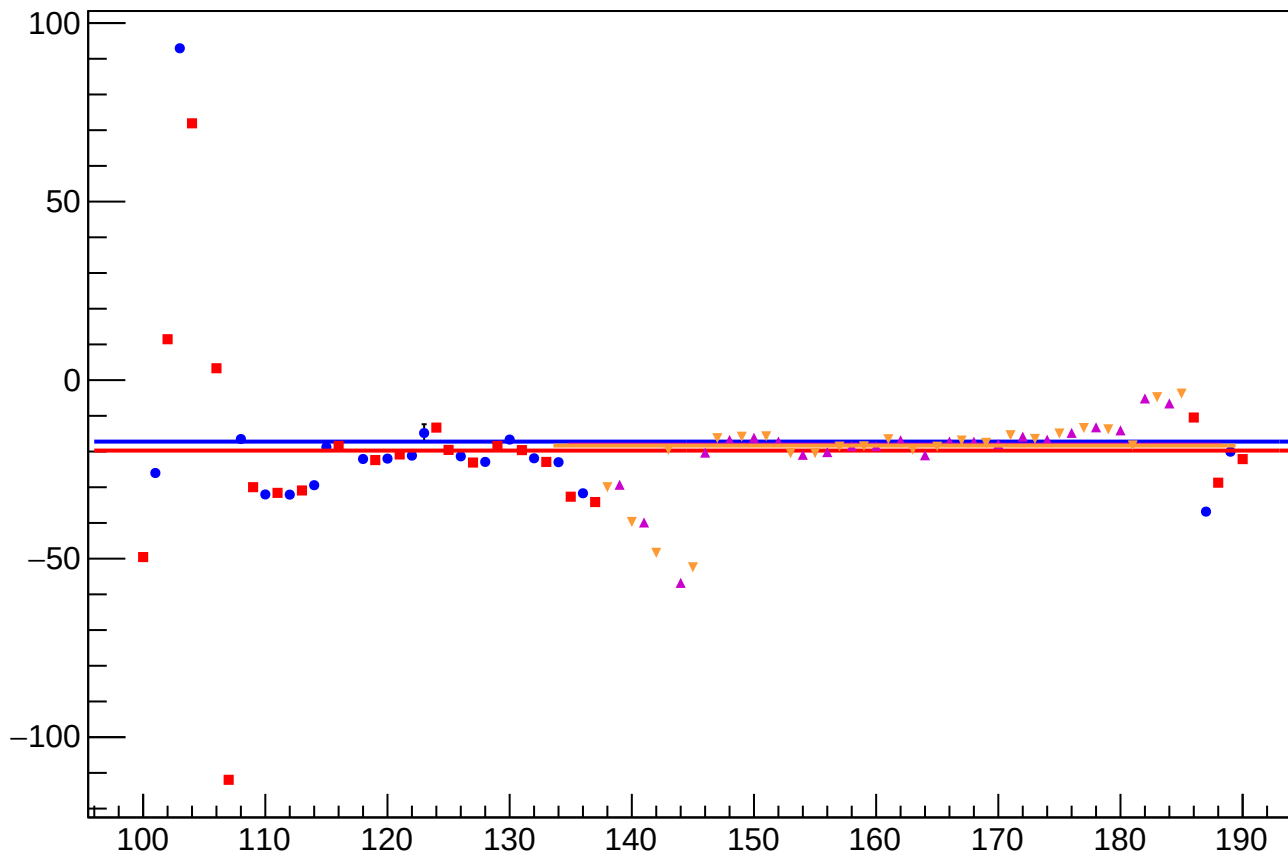
Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

+ sign -17.075 ± 0.310 χ^2/NDF : 1944.7/43

All: -17.668 ± 0.220 χ^2/NDF : 4148.4/88

- sign -18.266 ± 0.311 χ^2/NDF : 2196.4/44

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



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: -19.731 ± 0.039 $\chi^2/\text{NDF}: 445818.4/21$

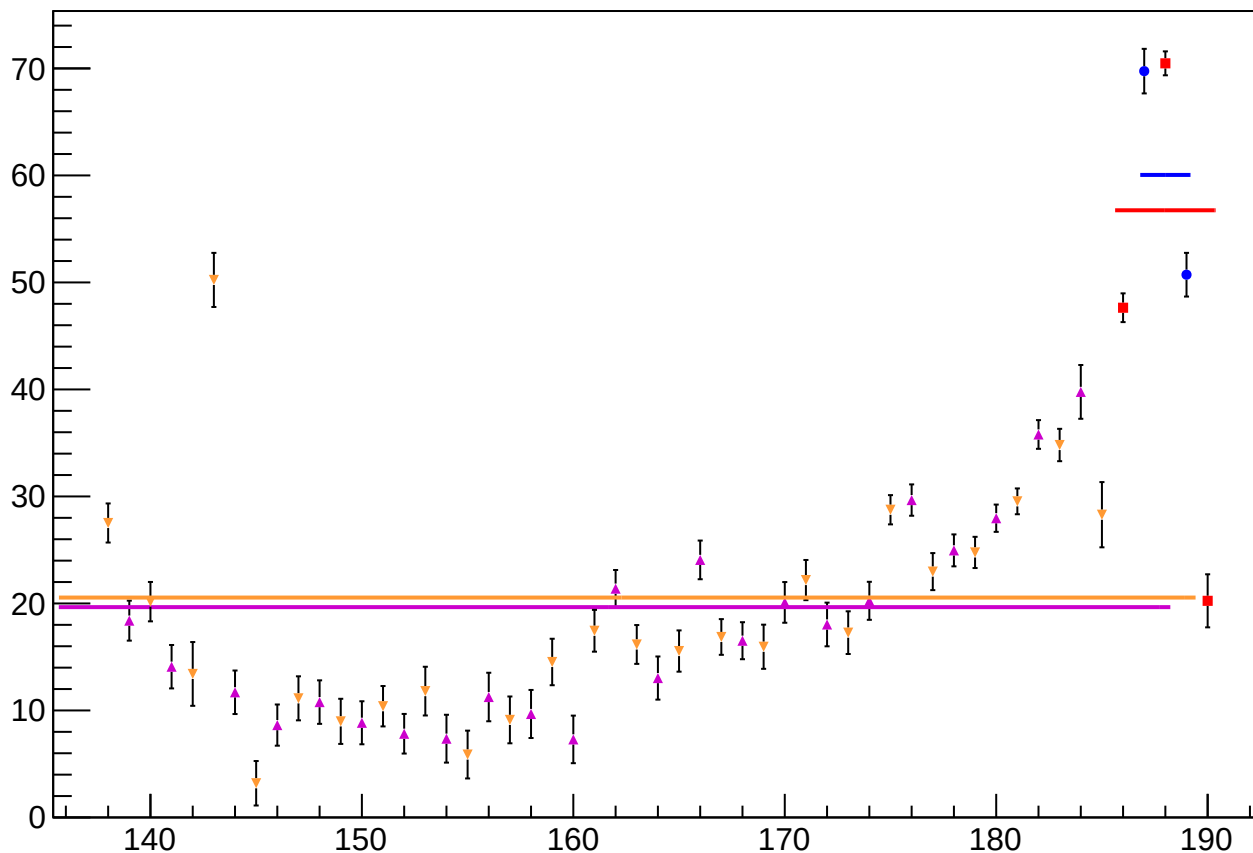
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.196 ± 0.015 $\chi^2/\text{NDF}: 765684.8/43$

All: -18.259 ± 0.011 $\chi^2/\text{NDF}: 1455010.5/88$

- sign -18.322 ± 0.015 $\chi^2/\text{NDF}: 689289.4/44$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 60.046 ± 1.458 χ^2/NDF : 42.6/1

Left Out: 20.550 ± 0.373 χ^2/NDF : 626.4/24

Right Out: 56.742 ± 0.812 χ^2/NDF : 413.4/2

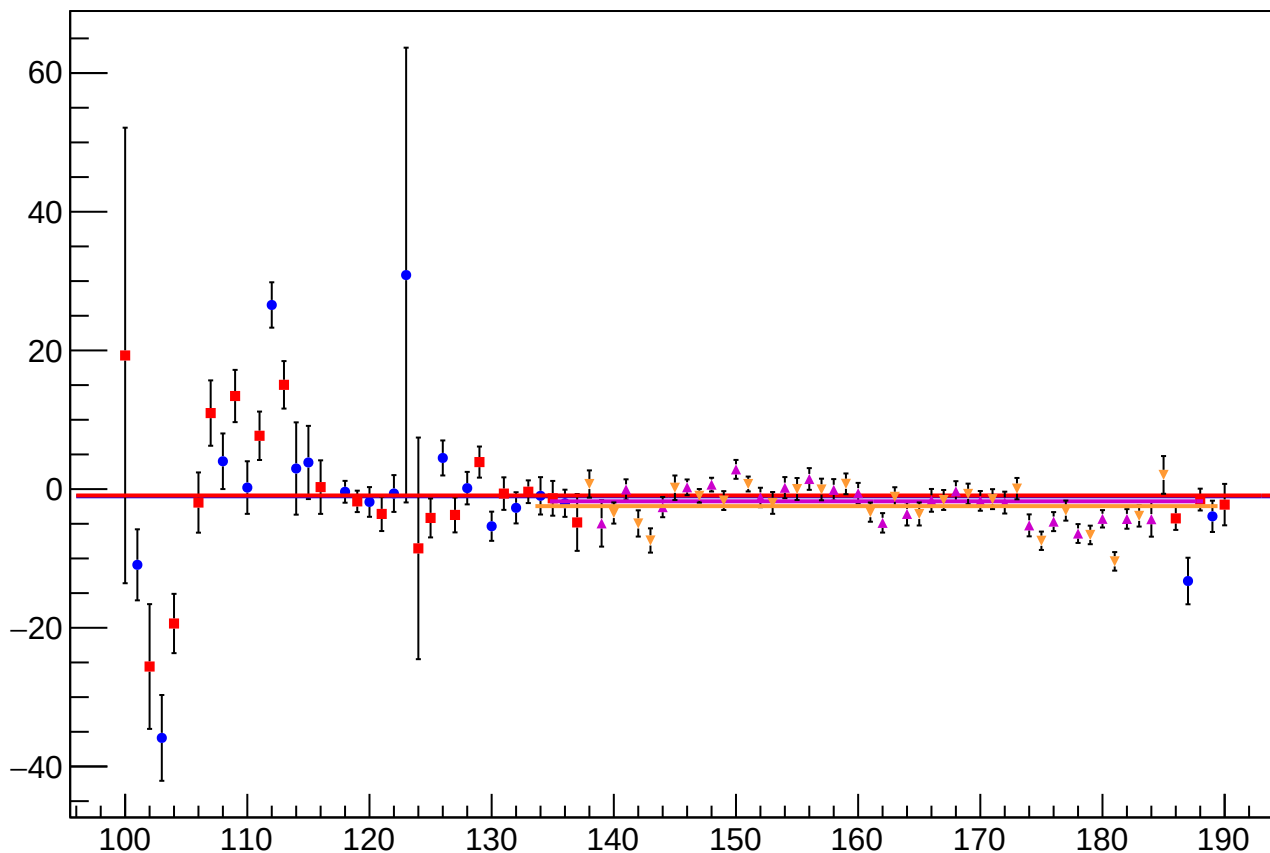
Left In: 19.656 ± 0.380 χ^2/NDF : 571.8/22

+ sign 22.978 ± 0.361 χ^2/NDF : 1357.7/26

All: 24.734 ± 0.249 χ^2/NDF : 4098.3/52

- sign 26.329 ± 0.344 χ^2/NDF : 2695.5/25

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.036 ± 0.625 χ^2/NDF : 135.7/18

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -0.920 ± 0.560 χ^2/NDF : 89.6/21

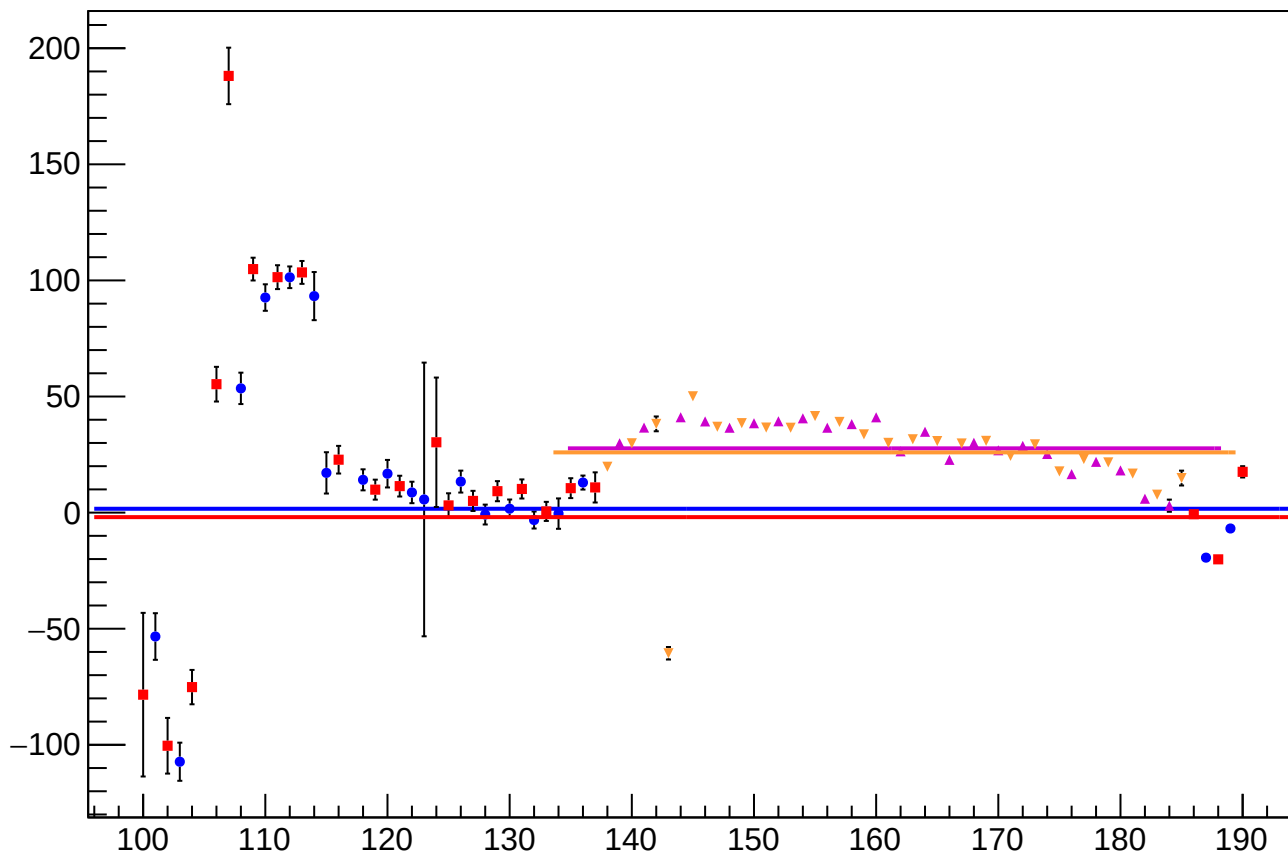
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.200 ± 0.265 χ^2/NDF : 245.9/43

All: -1.886 ± 0.188 χ^2/NDF : 407.4/88

- sign -1.569 ± 0.266 χ^2/NDF : 158.7/44

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 1.662 ± 0.873 χ^2/NDF : 1270.9/18

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -1.942 ± 0.587 χ^2/NDF : 2347.3/21

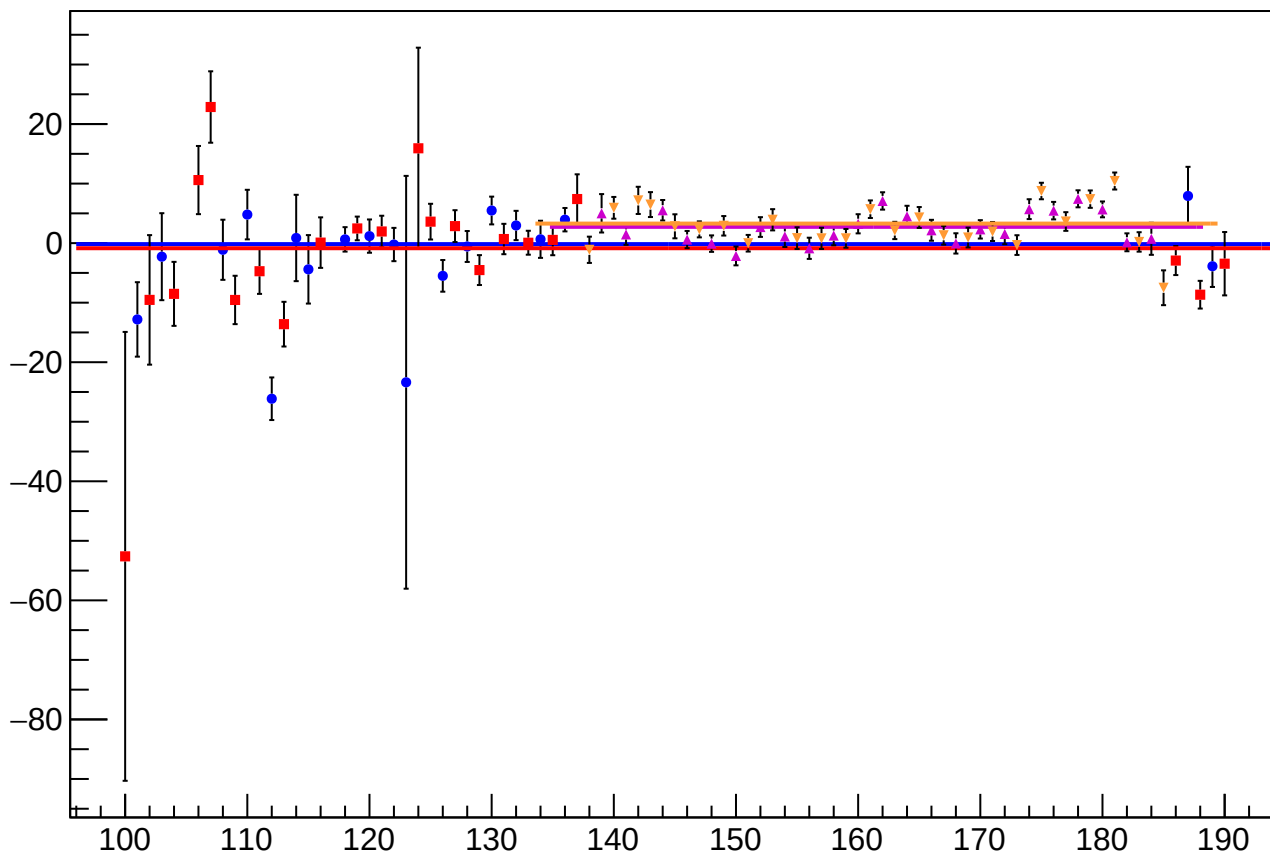
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 22.204 ± 0.343 χ^2/NDF : 3636.3/43

All: 20.471 ± 0.233 χ^2/NDF : 8636.4/88

- sign 18.978 ± 0.318 χ^2/NDF : 4952.4/44

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.165 ± 0.728 χ^2/NDF : 79.5/18

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -0.856 ± 0.679 χ^2/NDF : 69.6/21

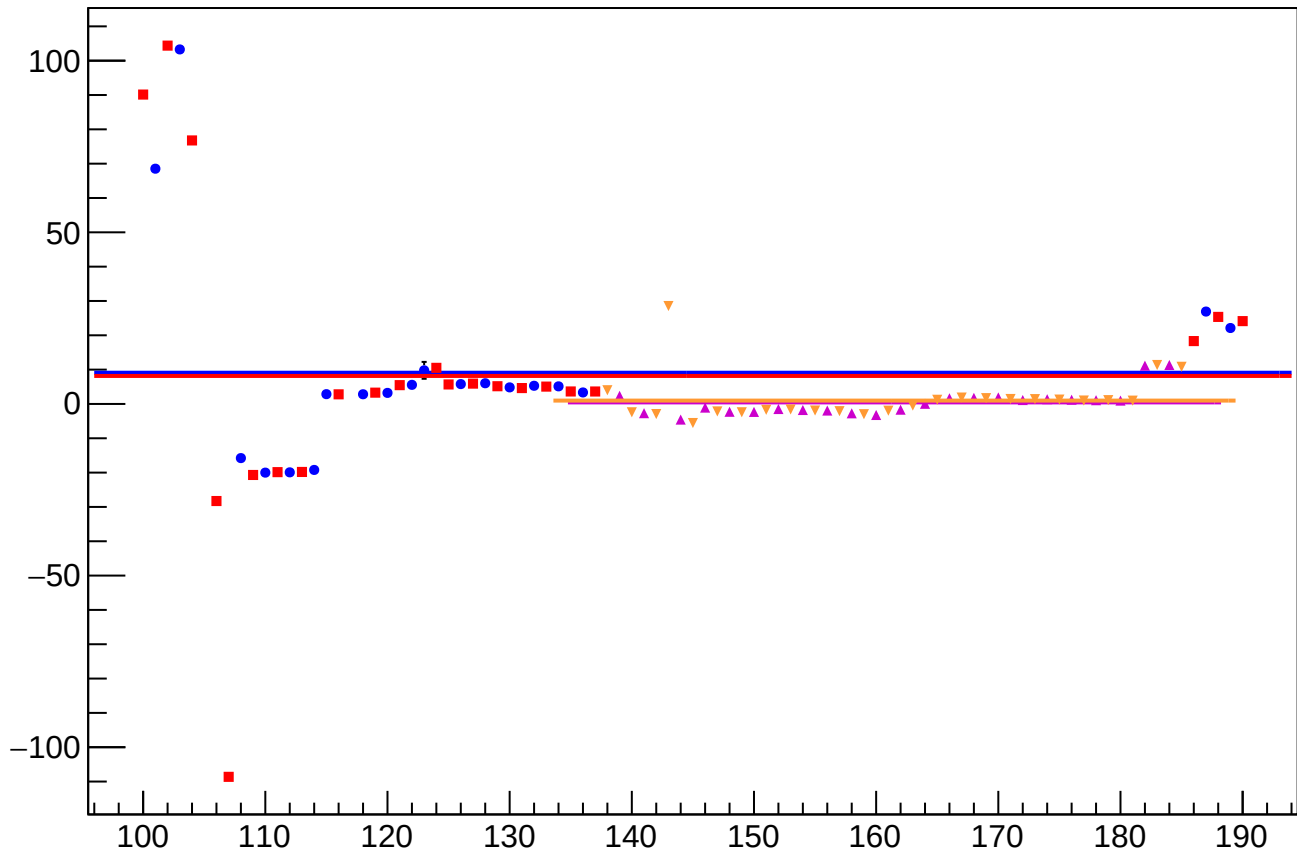
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.691 ± 0.302 χ^2/NDF : 200.4/43

All: 2.356 ± 0.214 χ^2/NDF : 359.3/88

- sign 2.014 ± 0.305 χ^2/NDF : 156.5/44

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 9.098 ± 0.042 $\chi^2/\text{NDF}: 368587.9/18$

Left Out: 0.979 ± 0.015 $\chi^2/\text{NDF}: 117391.3/24$

Right Out: 8.159 ± 0.040 $\chi^2/\text{NDF}: 556310.9/21$

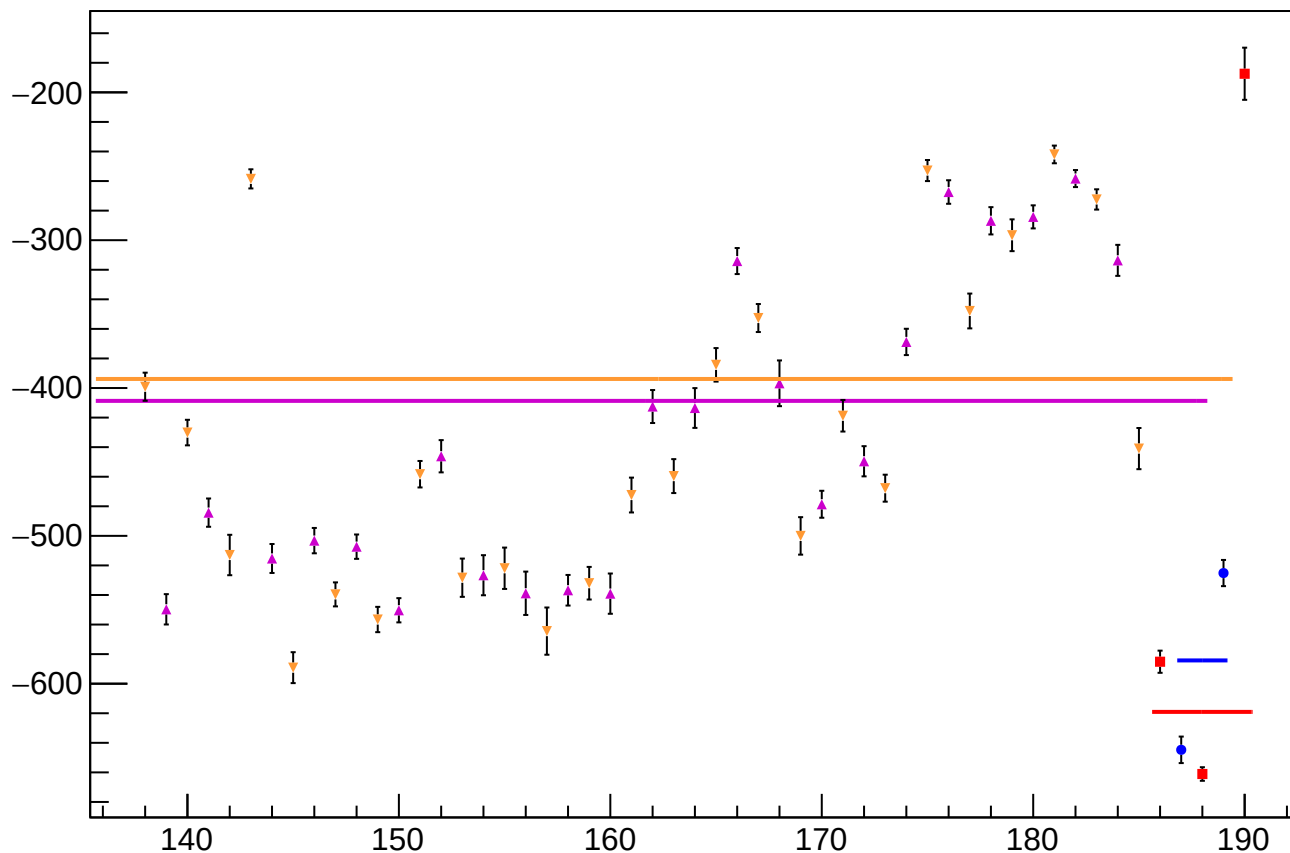
Left In: 0.451 ± 0.015 $\chi^2/\text{NDF}: 50699.8/22$

+ sign 1.904 ± 0.014 $\chi^2/\text{NDF}: 518526.7/43$

All: 1.678 ± 0.010 $\chi^2/\text{NDF}: 1158356.3/88$

- sign 1.450 ± 0.014 $\chi^2/\text{NDF}: 639328.0/44$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -584.264 $\pm$ 6.302 χ^2 /NDF: 90.0/1

Left Out: -393.871 $\pm$ 1.897 χ^2 /NDF:3772.8/24

Right Out: -619.077 $\pm$ 3.824 χ^2 /NDF: 702.9/2

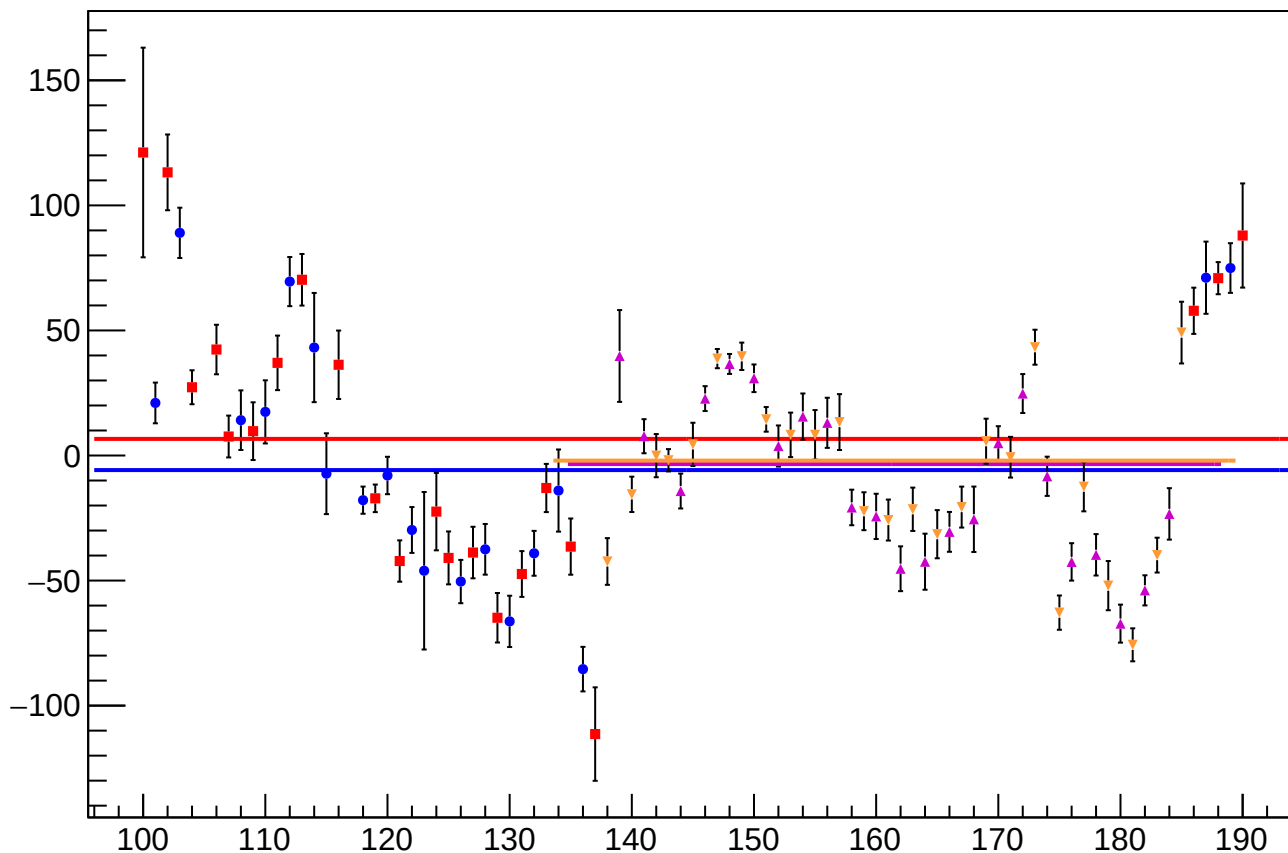
Left In: -408.696 $\pm$ 1.979 χ^2 /NDF:3062.9/22

+ sign -409.688 $\pm$ 1.817 χ^2 /NDF: 4699.6/26

All: -432.131 $\pm$ 1.263 χ^2 /NDF: 11148.4/52

- sign -453.140 $\pm$ 1.758 χ^2 /NDF: 6153.3/25

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -5.828 ± 2.261 χ^2/NDF : 443.0/18

Left Out: -2.037 ± 1.424 χ^2/NDF : 563.8/24

Right Out: 6.643 ± 2.068 χ^2/NDF : 518.4/21

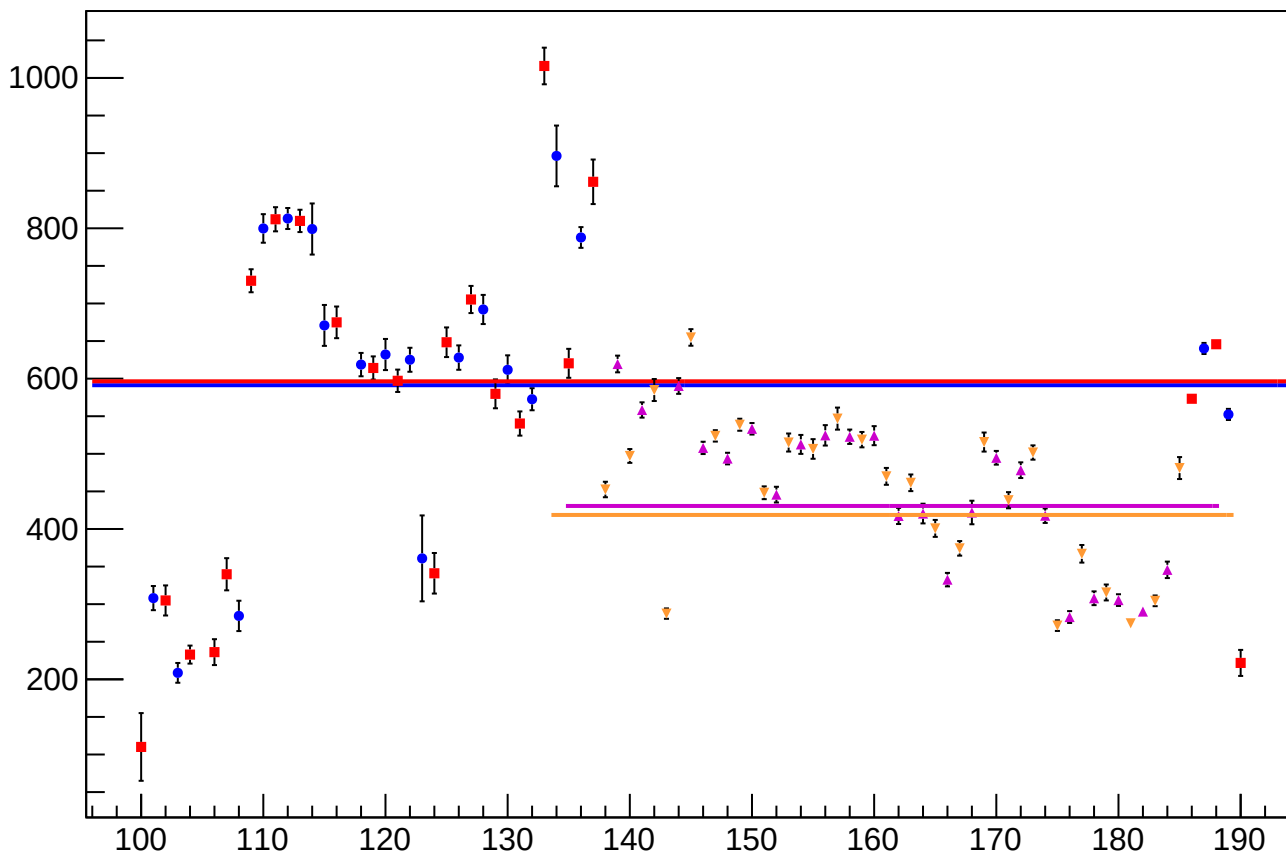
Left In: -3.420 ± 1.520 χ^2/NDF : 451.0/22

+ sign -3.114 ± 1.205 χ^2/NDF : 1008.8/43

All: -1.528 ± 0.859 χ^2/NDF : 1997.0/88

- sign 0.110 ± 1.225 χ^2/NDF : 984.7/44

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 591.254+/-3.346 χ^2/NDF : 2199.6/18

Left Out: 418.680+/-1.905 χ^2/NDF : 3296.5/24

Right Out: 596.460+/-2.477 χ^2/NDF : 3494.9/21

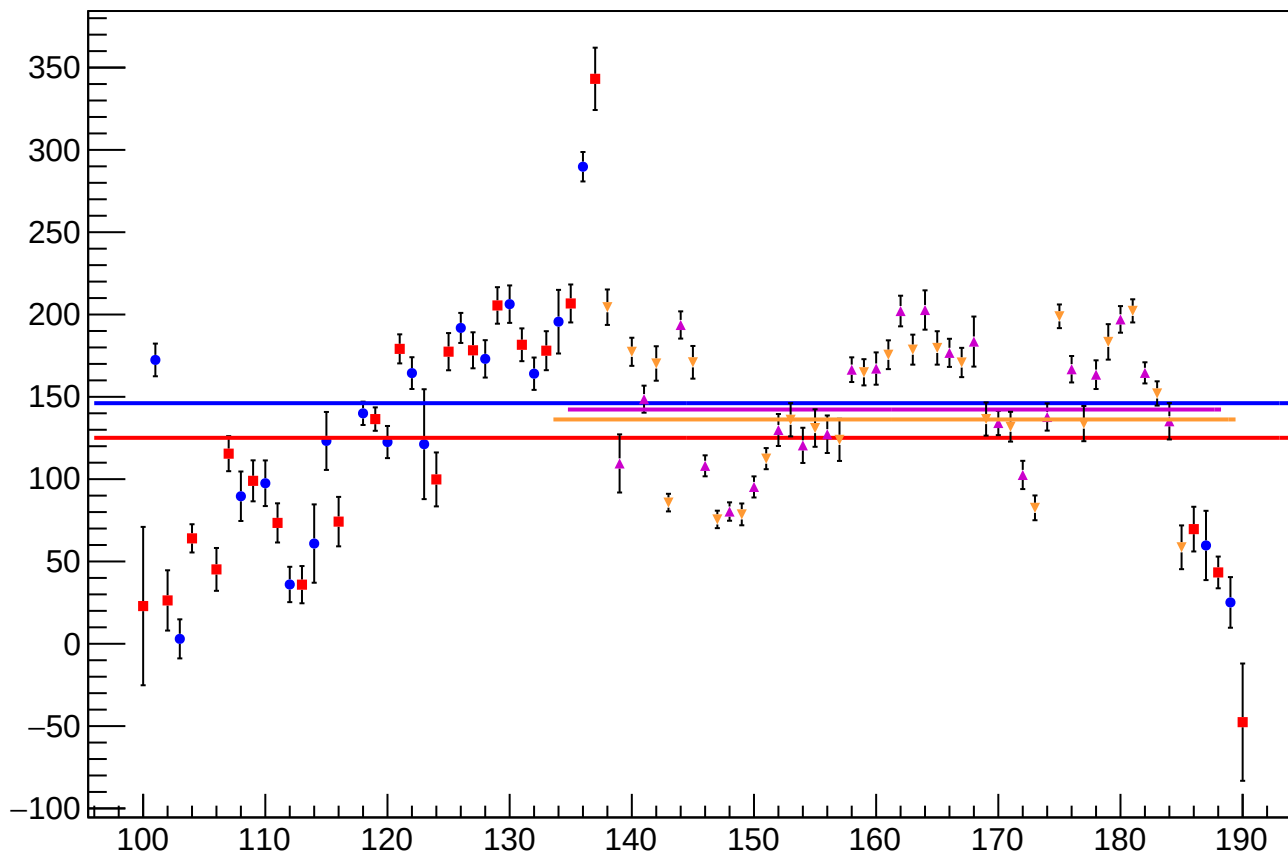
Left In: 430.640+/-1.971 χ^2/NDF : 2850.6/22

+ sign 460.916+/-1.655 χ^2/NDF : 7504.8/43

All: 479.113+/-1.128 χ^2/NDF : 16819.8/88

- sign 494.906+/-1.542 χ^2/NDF : 9089.4/44

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 146.147 $\pm$ 2.652 χ^2 /NDF: 714.7/18

Left Out: 136.258 $\pm$ 1.651 χ^2 /NDF: 758.3/24

Right Out: 125.104 $\pm$ 2.479 χ^2 /NDF: 707.0/21

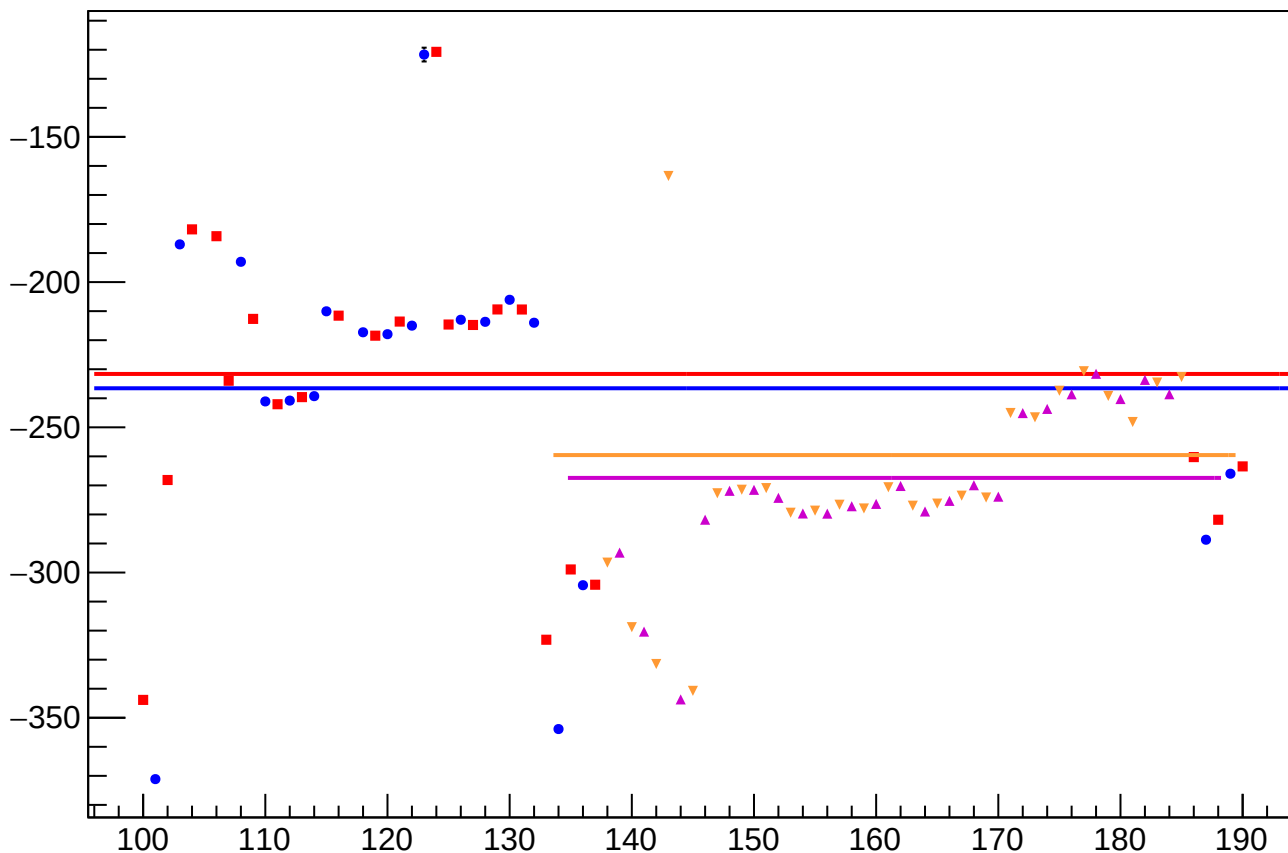
Left In: 142.296 $\pm$ 1.745 χ^2 /NDF: 459.8/22

+ sign 139.019 $\pm$ 1.402 χ^2 /NDF: 1483.0/43

All: 137.832 $\pm$ 1.000 χ^2 /NDF: 2683.5/88

- sign 136.602 $\pm$ 1.427 χ^2 /NDF: 1199.0/44

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -236.554+/-0.145 χ^2/NDF : 148708.8/18

Left Out: -259.557+/-0.079 χ^2/NDF : 238235.2/24

Right Out: -231.623+/-0.134 χ^2/NDF : 111731.8/21

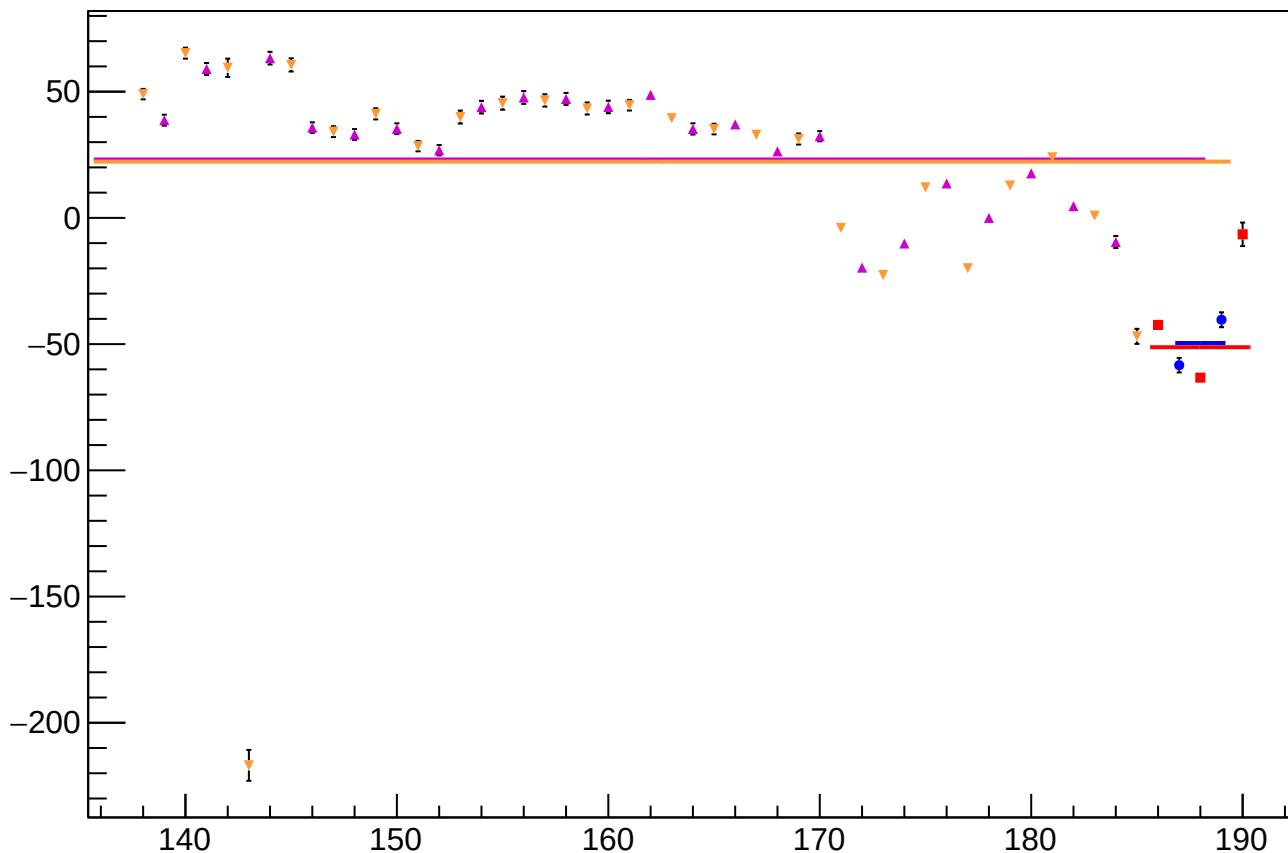
Left In: -267.417+/-0.082 χ^2/NDF : 98035.5/22

+ sign -254.291+/-0.069 χ^2/NDF : 406308.3/43

All: -256.001+/-0.049 χ^2/NDF : 669298.0/88

- sign -257.726+/-0.070 χ^2/NDF : 261771.9/44

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -49.557 ± 2.066 $\chi^2/\text{NDF}: 19.0/1$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -51.227 ± 1.129 $\chi^2/\text{NDF}: 177.3/2$

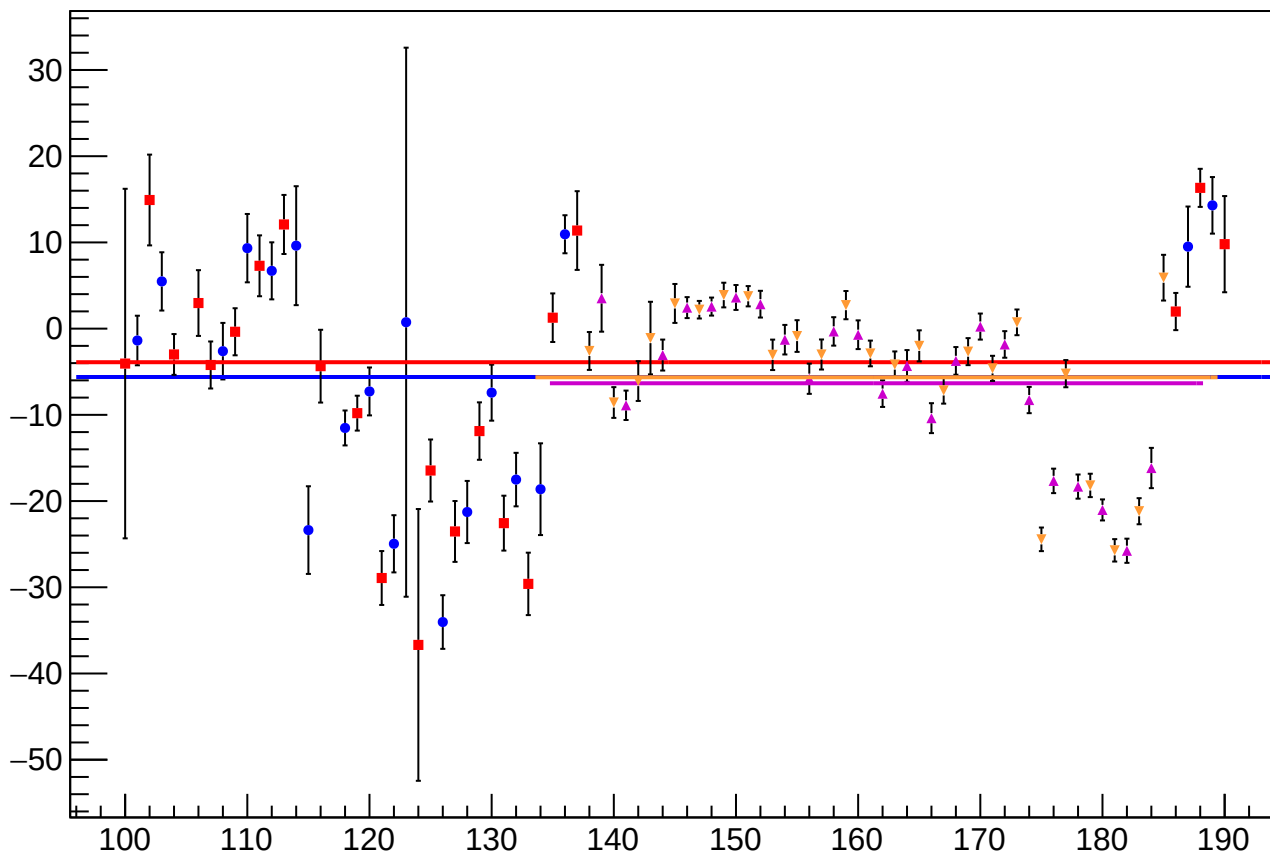
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 19.699 ± 0.392 $\chi^2/\text{NDF}: 6355.6/26$

All: 17.158 ± 0.272 $\chi^2/\text{NDF}: 13211.5/52$

- sign 14.787 ± 0.378 $\chi^2/\text{NDF}: 6774.5/25$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.610 $\pm$ 0.758 χ^2/NDF : 328.9/18

Left Out: -5.642 $\pm$ 0.316 χ^2/NDF : 893.7/24

Right Out: -3.895 $\pm$ 0.678 χ^2/NDF : 372.2/21

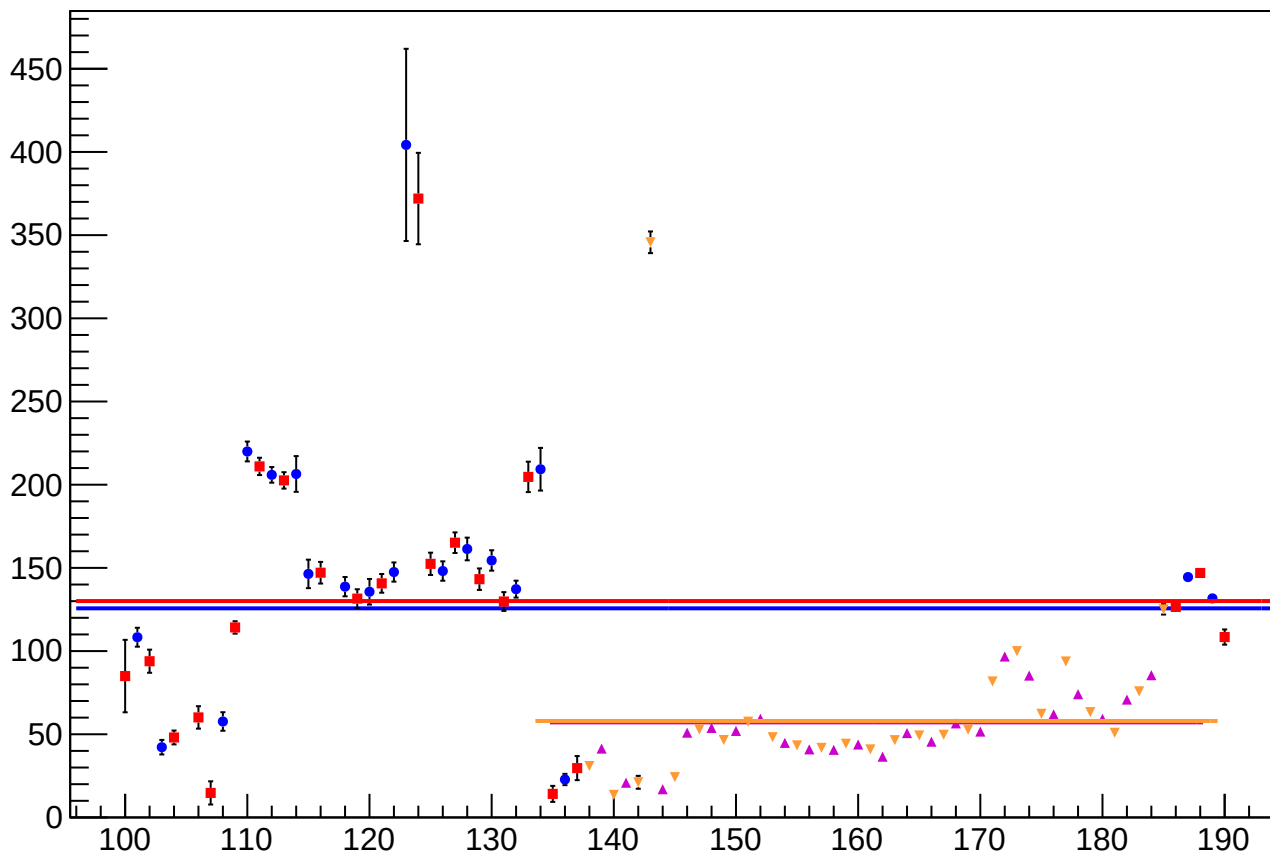
Left In: -6.337 $\pm$ 0.321 χ^2/NDF : 783.0/22

+ sign -5.637 $\pm$ 0.291 χ^2/NDF : 1222.6/43

All: -5.764 $\pm$ 0.206 χ^2/NDF : 2388.7/88

- sign -5.889 $\pm$ 0.290 χ^2/NDF : 1165.7/44

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



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: 130.078 $\pm$ 0.761 χ^2 /NDF: 2458.3/21

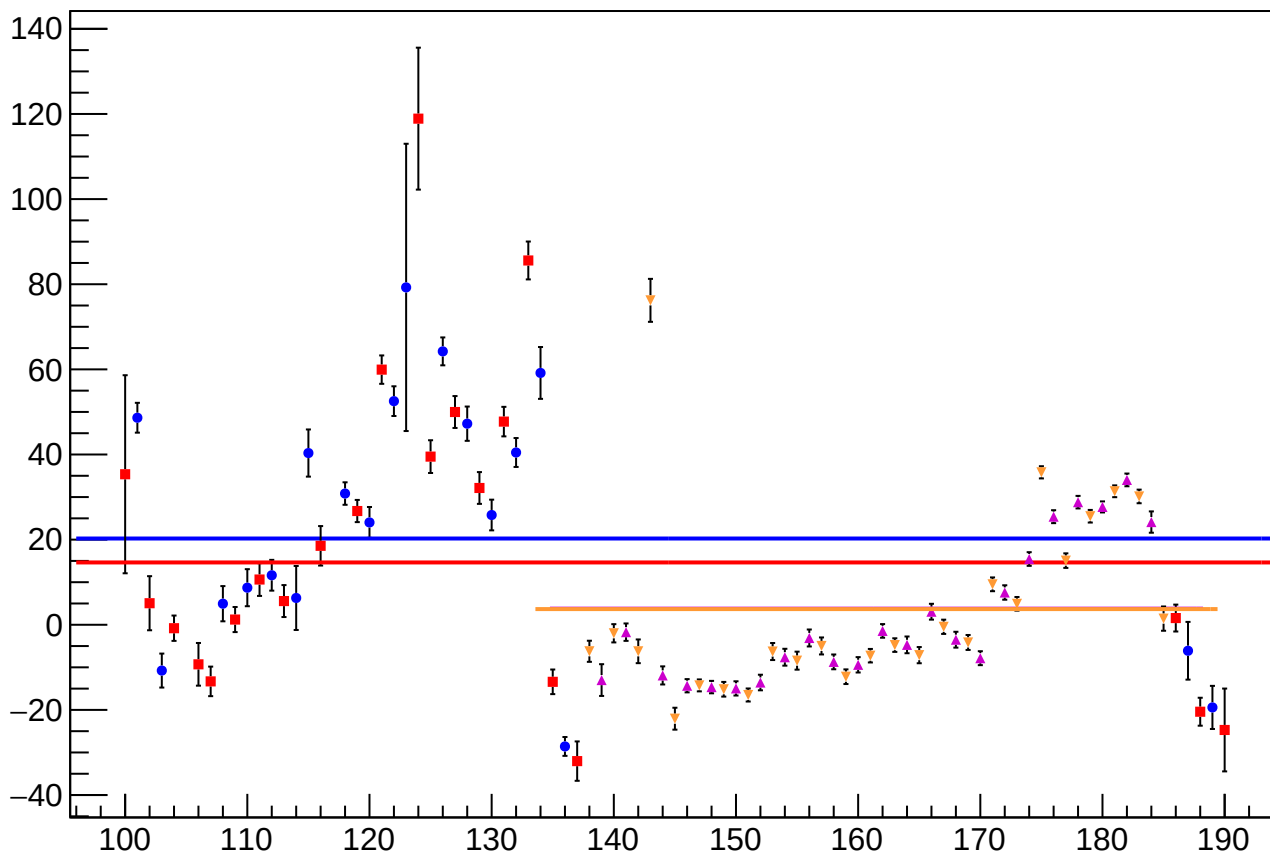
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF: 1803.4/22

+ sign 65.884 $\pm$ 0.374 χ^2 /NDF: 10274.8/43

All: 69.595 $\pm$ 0.257 χ^2 /NDF: 21930.9/88

- sign 72.915 $\pm$ 0.354 χ^2 /NDF: 11469.6/44

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



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: 14.640 $\pm$ 0.812 χ^2 /NDF: 1232.5/21

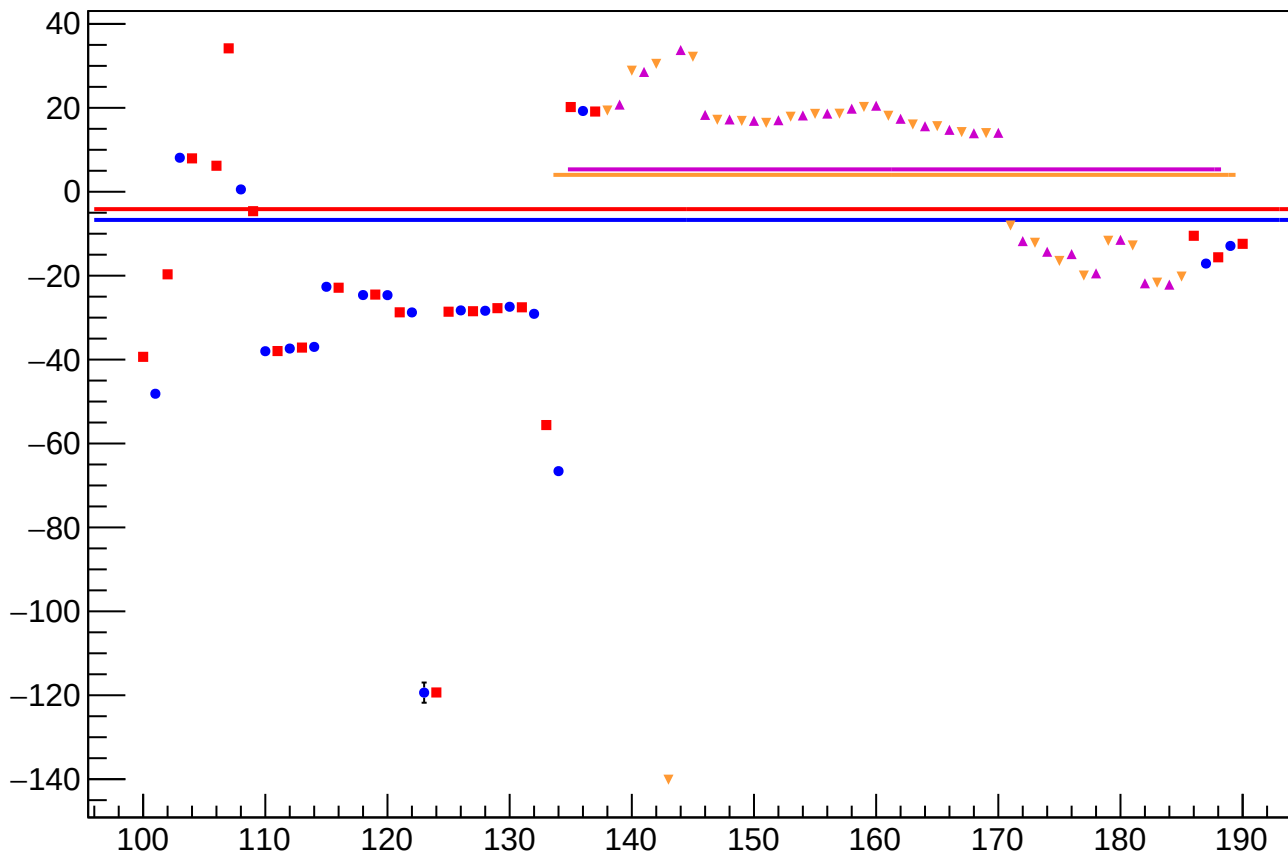
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF:2198.8/22

+ sign 6.029 $\pm$ 0.331 χ^2 /NDF: 3988.5/43

All: 5.806 $\pm$ 0.234 χ^2 /NDF: 7569.8/88

- sign 5.584 $\pm$ 0.330 χ^2 /NDF: 3580.4/44

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.714 ± 0.045 χ^2/NDF : 265654.1/18

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -4.142 ± 0.043 χ^2/NDF : 272353.1/21

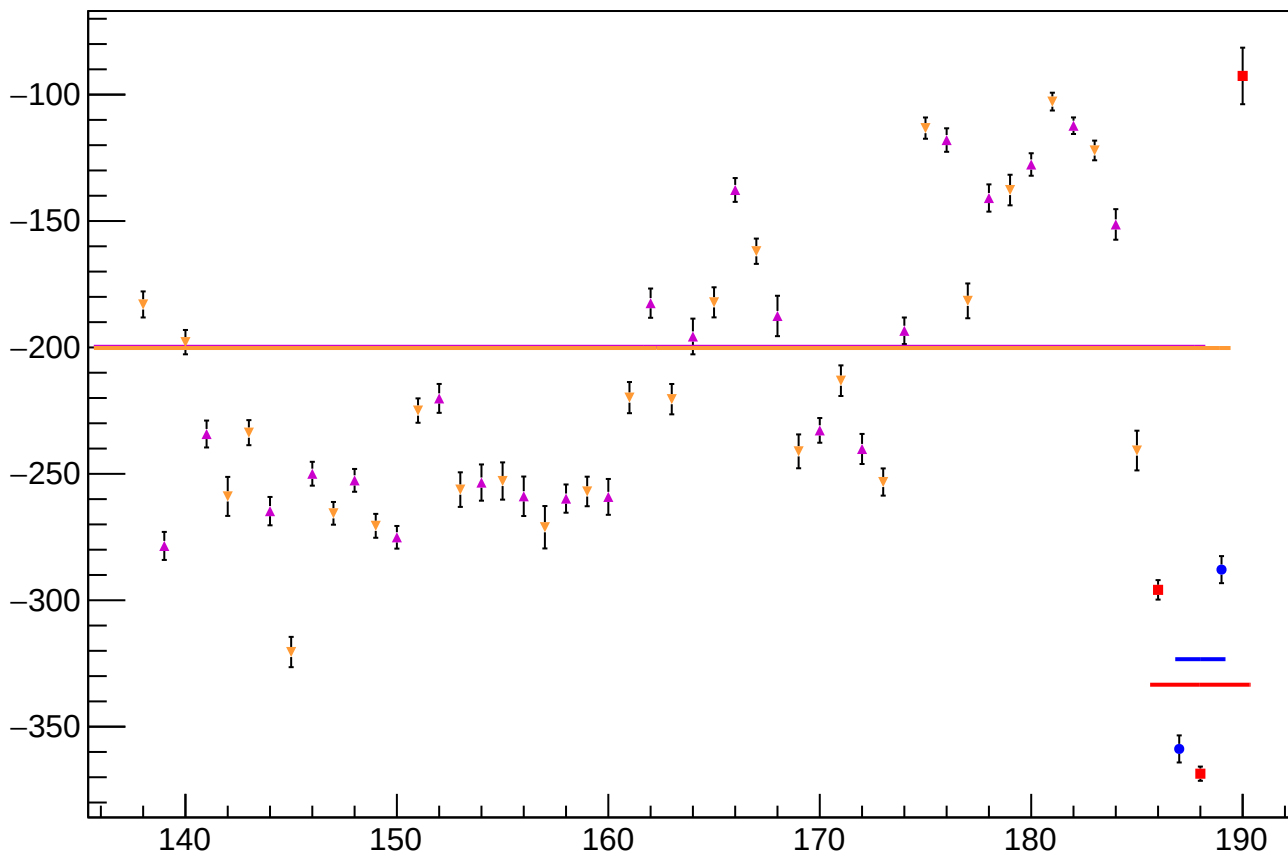
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 2.777 ± 0.015 χ^2/NDF : 1698872.0/43

All: 3.451 ± 0.011 χ^2/NDF : 3095538.0/88

- sign 4.121 ± 0.015 χ^2/NDF : 1392839.5/44

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -323.309+/-3.785 χ^2/NDF : 87.8/1

Left Out: -200.228+/-1.078 χ^2/NDF : 3225.0/24

Right Out: -333.404+/-2.227 χ^2/NDF : 714.9/2

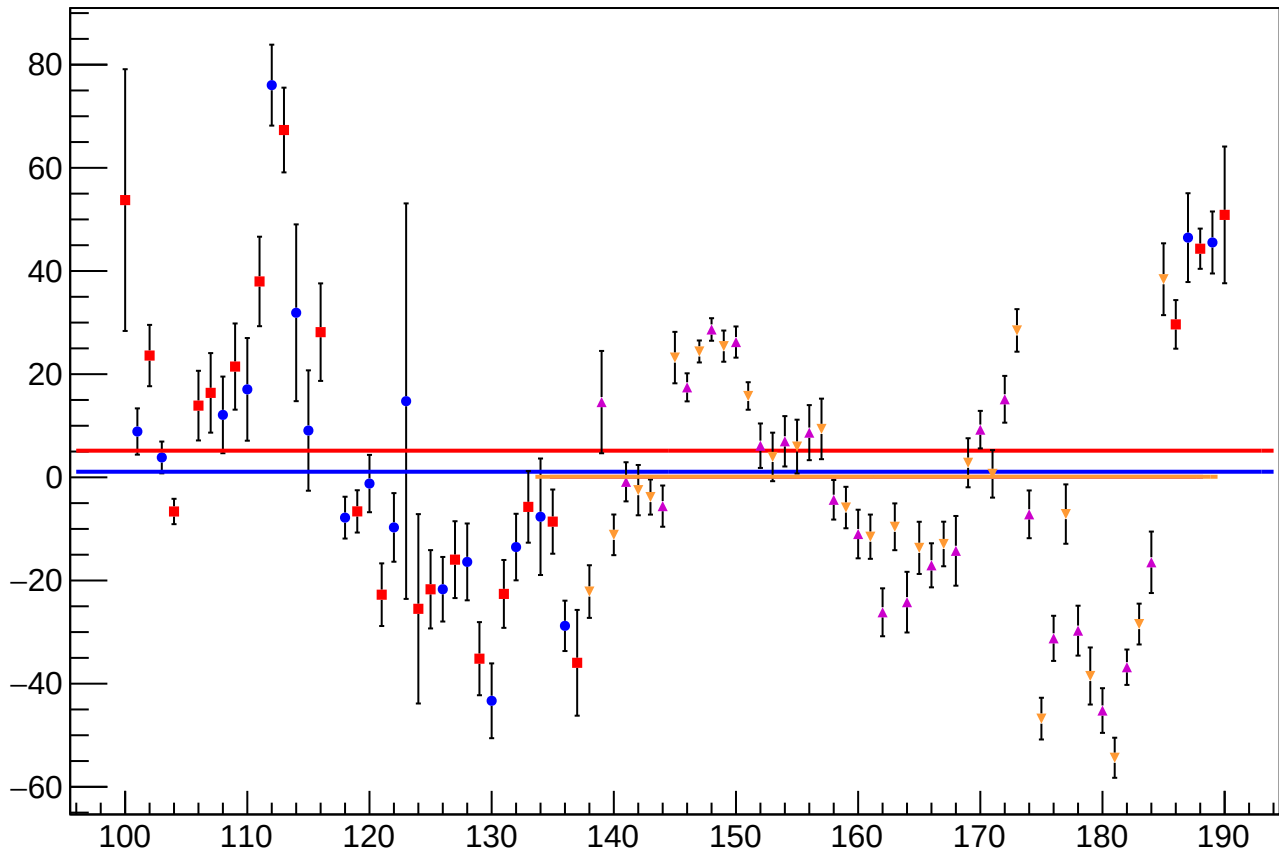
Left In: -199.739+/-1.097 χ^2/NDF : 2968.0/22

+ sign -209.459+/-1.037 χ^2/NDF : 4290.8/26

All: -218.086+/-0.714 χ^2/NDF : 11005.0/52

- sign -225.864+/-0.984 χ^2/NDF : 6582.5/25

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



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: 5.168 ± 1.262 χ^2/NDF : 387.5/21

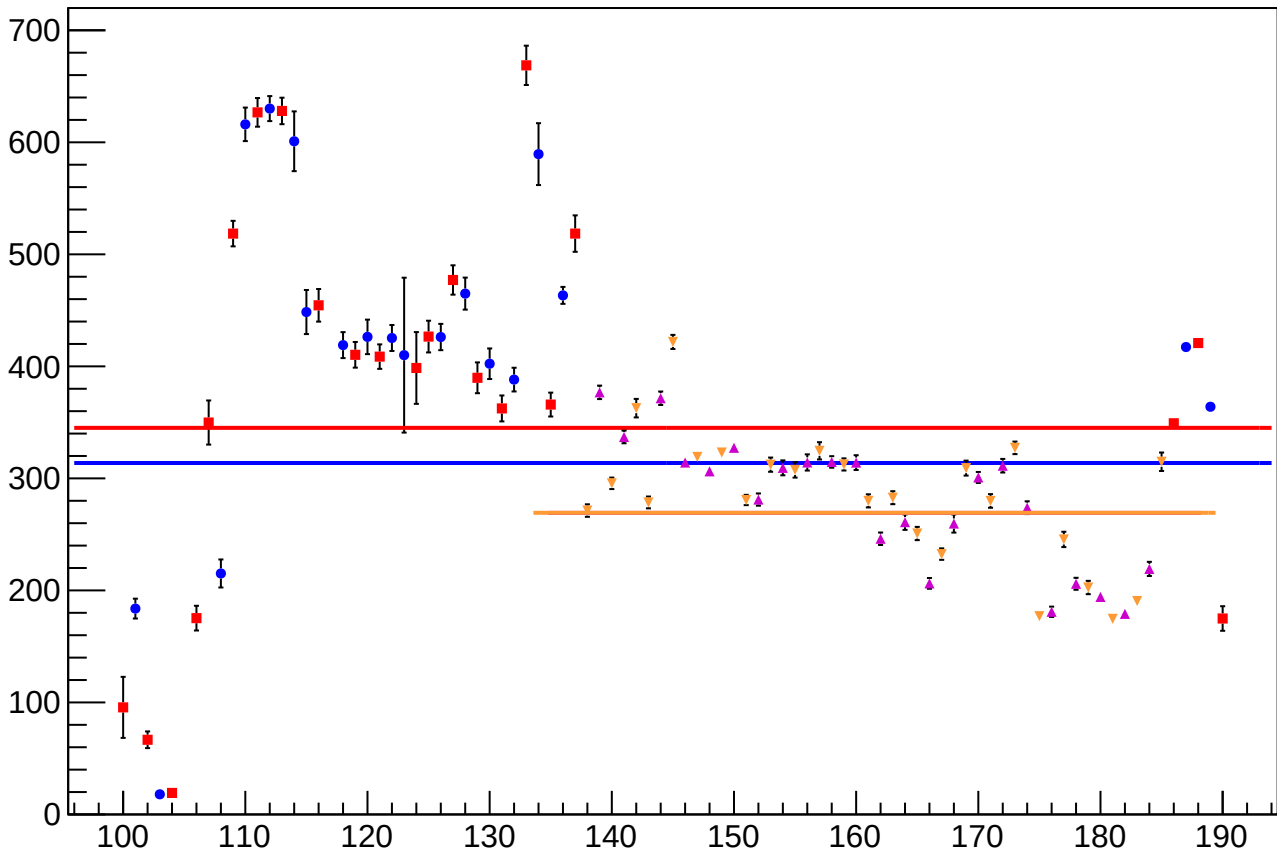
Left In: 0.097 ± 0.838 χ^2/NDF : 715.5/22

+ sign 0.350 ± 0.700 χ^2/NDF : 1124.8/43

All: 1.002 ± 0.494 χ^2/NDF : 2240.7/88

- sign 1.649 ± 0.698 χ^2/NDF : 1114.1/44

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 313.745 ± 1.949 $\chi^2/\text{NDF}: 8679.8/18$

Left Out: 269.278 ± 1.078 $\chi^2/\text{NDF}: 3146.7/24$

Right Out: 345.103 ± 1.450 $\chi^2/\text{NDF}: 10727.3/21$

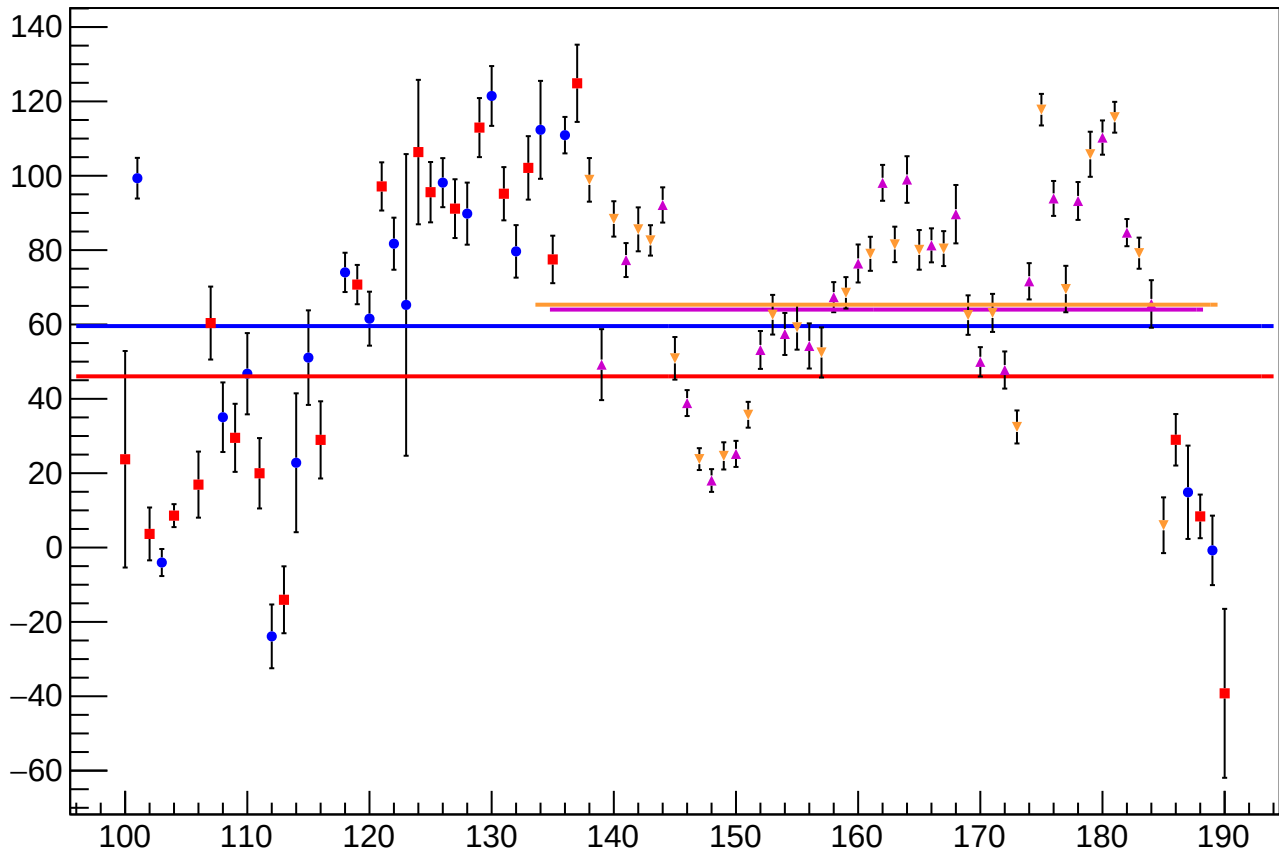
Left In: 269.191 ± 1.091 $\chi^2/\text{NDF}: 3170.2/22$

+ sign 279.690 ± 0.943 $\chi^2/\text{NDF}: 12225.2/43$

All: 288.817 ± 0.640 $\chi^2/\text{NDF}: 28046.7/88$

- sign 296.614 ± 0.872 $\chi^2/\text{NDF}: 15647.8/44$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 59.567 $\pm$ 1.655 χ^2/NDF : 778.0/18

Left Out: 65.323 $\pm$ 0.935 χ^2/NDF :1007.1/24

Right Out: 46.048 $\pm$ 1.540 χ^2/NDF : 722.2/21

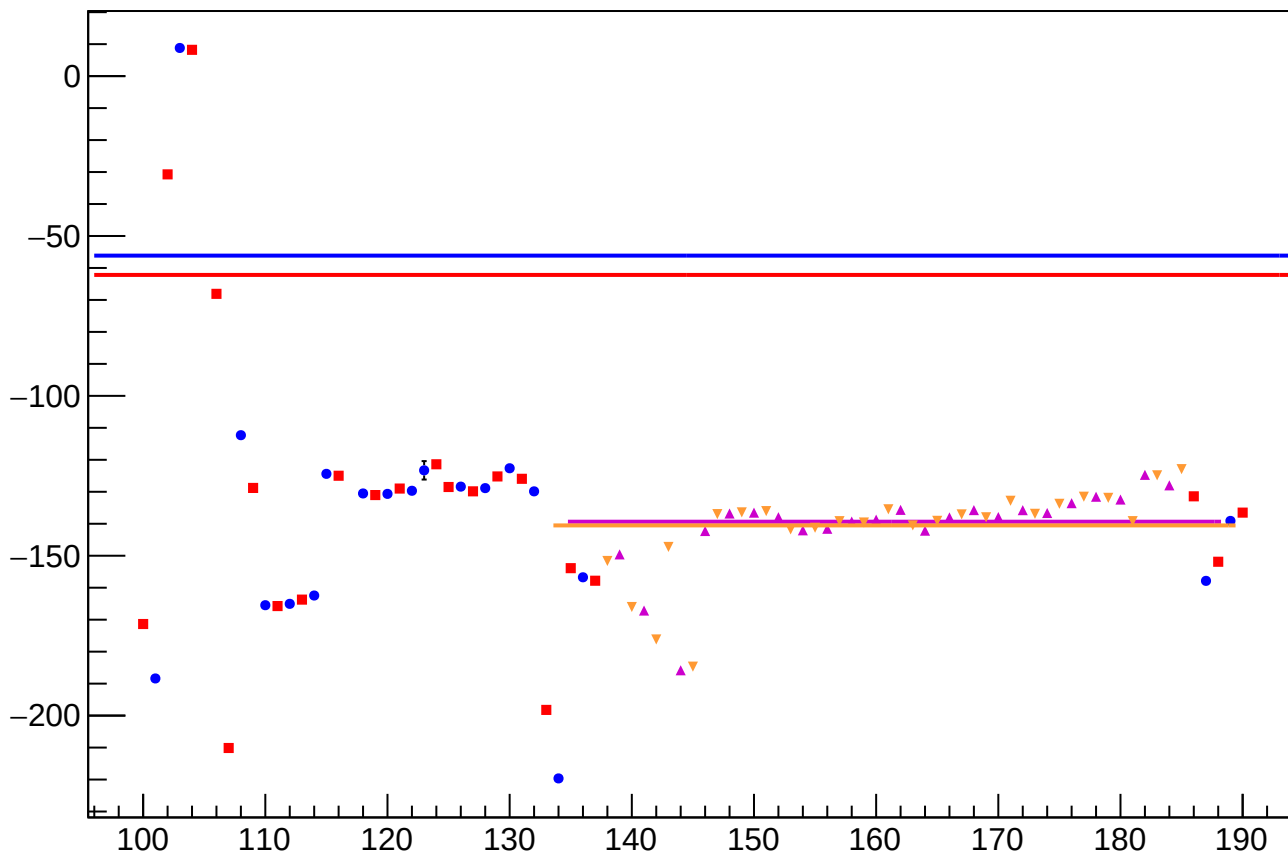
Left In: 63.999 $\pm$ 0.963 χ^2/NDF :799.5/22

+ sign 63.931 $\pm$ 0.814 χ^2/NDF : 1794.3/43

All: 61.450 $\pm$ 0.576 χ^2/NDF : 3432.3/88

- sign 58.953 $\pm$ 0.816 χ^2/NDF : 1619.4/44

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -56.140 ± 0.069 $\chi^2/\text{NDF}: 1279066.0/18$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -62.177 ± 0.069 $\chi^2/\text{NDF}: 1086290.1/21$

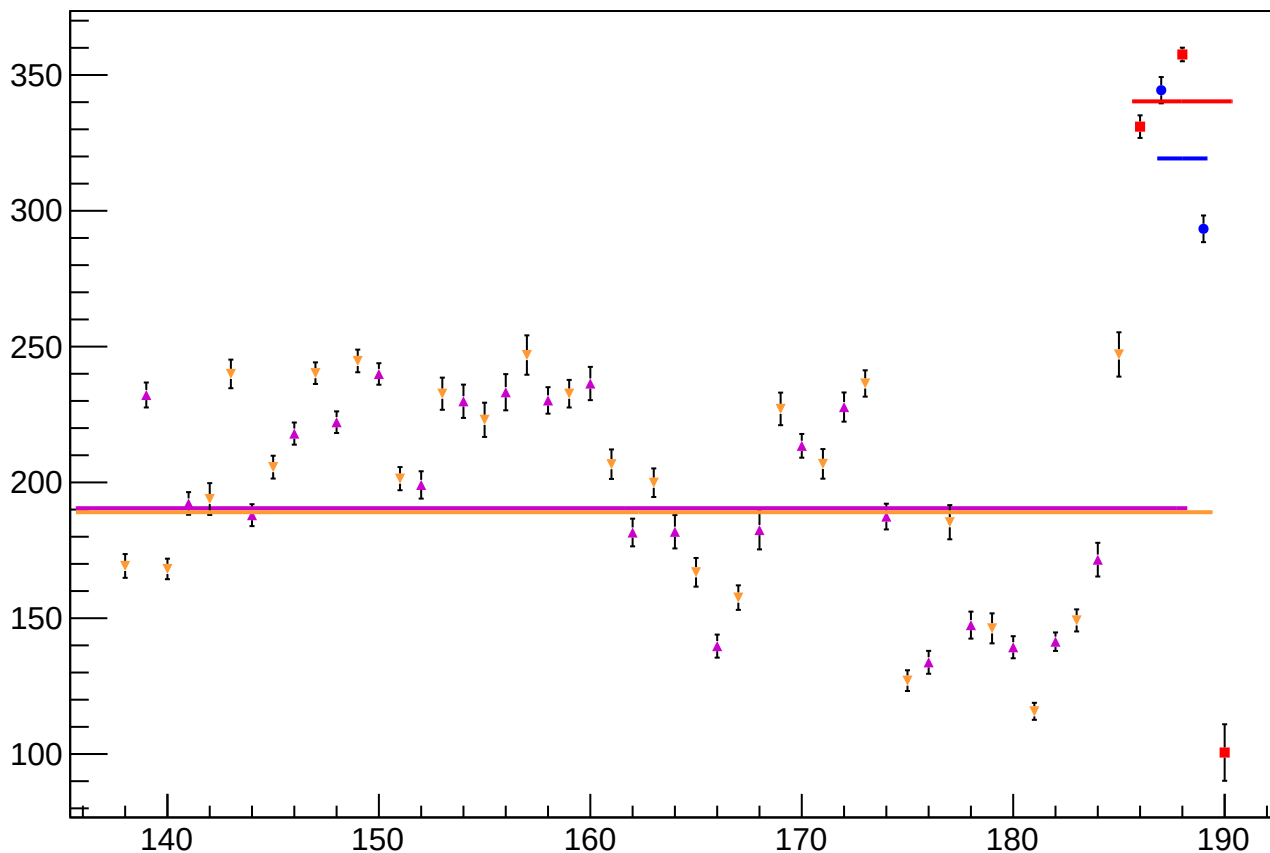
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -115.841 ± 0.037 $\chi^2/\text{NDF}: 2405567.3/43$

All: -116.118 ± 0.027 $\chi^2/\text{NDF}: 4429169.6/88$

- sign -116.400 ± 0.038 $\chi^2/\text{NDF}: 2023491.9/44$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 319.276 $\pm$ 3.448 χ^2 /NDF: 54.8/1

Left Out: 189.030 $\pm$ 0.956 χ^2 /NDF:1980.9/24

Right Out: 340.294 $\pm$ 2.101 χ^2 /NDF: 583.0/2

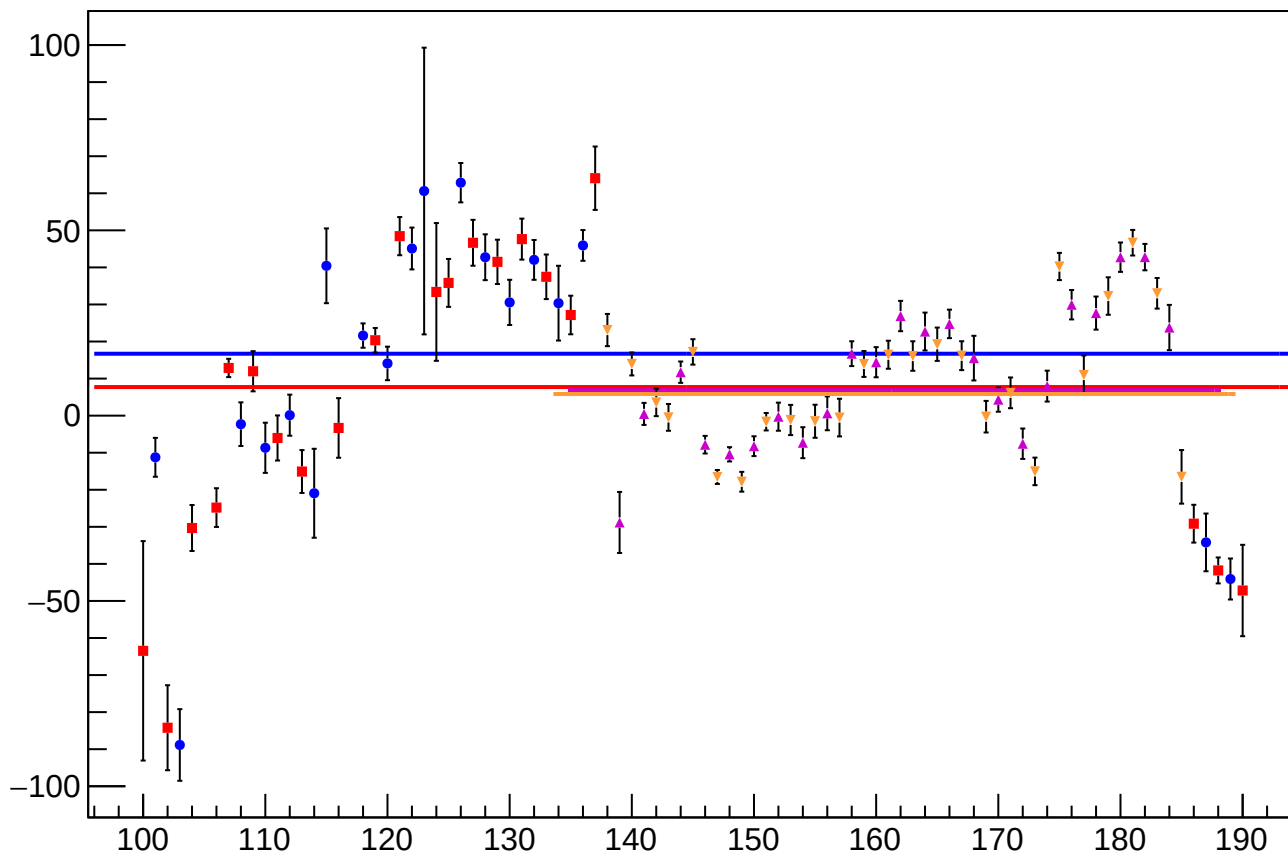
Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

+ sign 198.324 $\pm$ 0.921 χ^2 /NDF: 3360.5/26

All: 208.064 $\pm$ 0.638 χ^2 /NDF: 9752.0/52

- sign 217.045 $\pm$ 0.884 χ^2 /NDF: 6176.6/25

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 16.709 $\pm$ 1.335 χ^2 /NDF: 561.1/18

Left Out: 5.834 $\pm$ 0.712 χ^2 /NDF: 652.2/24

Right Out: 7.715 $\pm$ 1.126 χ^2 /NDF: 748.9/21

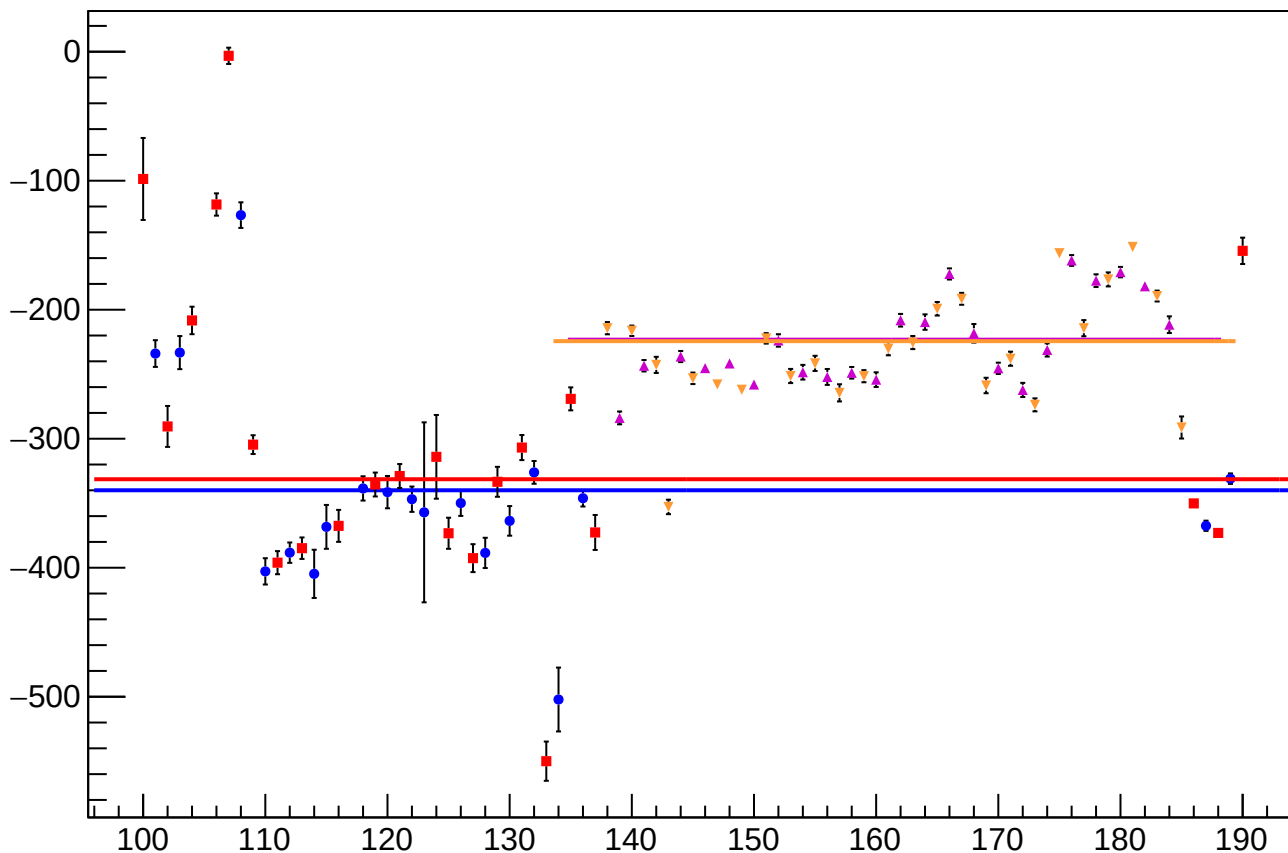
Left In: 6.862 $\pm$ 0.736 χ^2 /NDF: 522.7/22

+ sign 8.244 $\pm$ 0.629 χ^2 /NDF: 1265.0/43

All: 7.669 $\pm$ 0.440 χ^2 /NDF: 2538.7/88

- sign 7.117 $\pm$ 0.616 χ^2 /NDF: 1272.0/44

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -339.957 ± 1.913 χ^2/NDF : 848.4/18

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -331.402 ± 1.371 χ^2/NDF : 4693.5/21

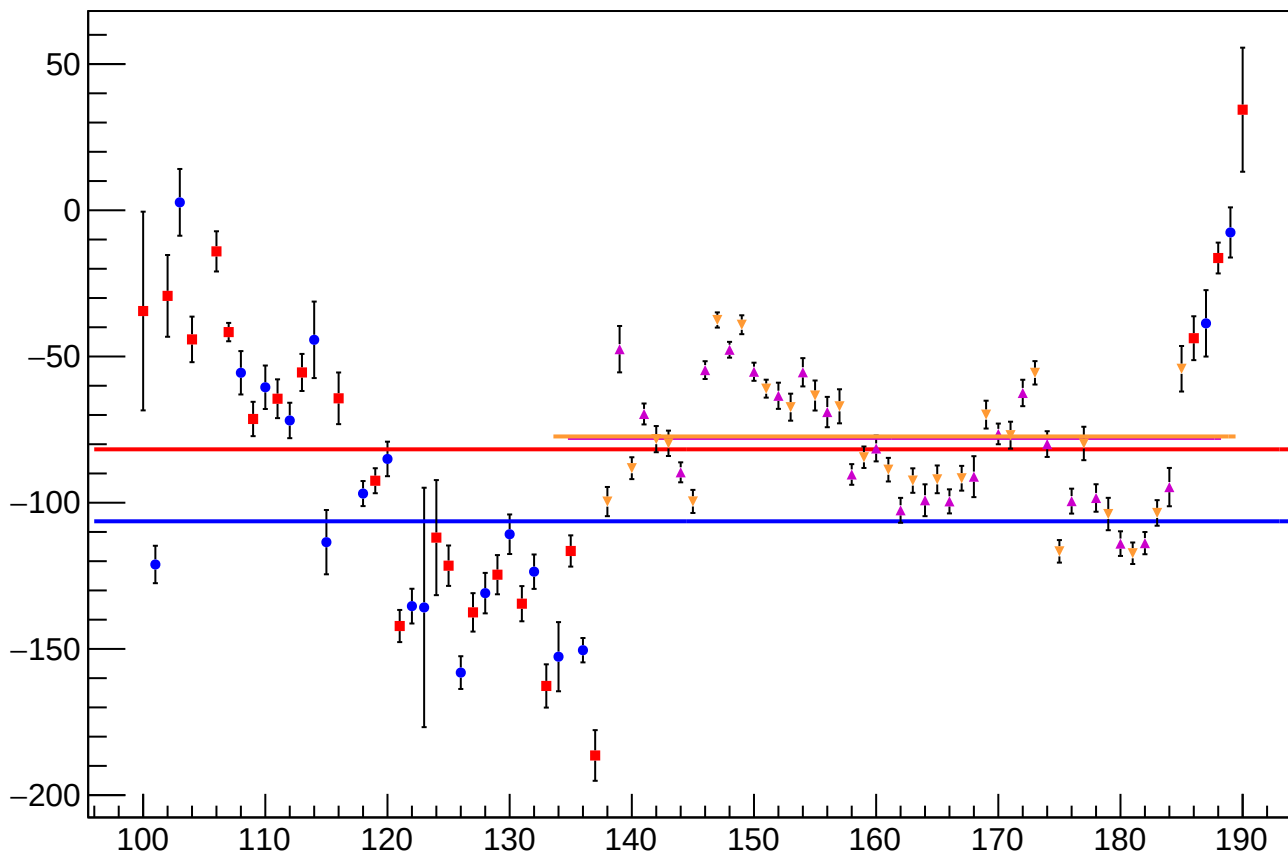
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -247.459 ± 0.855 χ^2/NDF : 5872.4/43

All: -253.830 ± 0.581 χ^2/NDF : 16091.5/88

- sign -259.286 ± 0.791 χ^2/NDF : 10116.1/44

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -106.356 +/- 1.559 χ^2/NDF : 681.8/18

Left Out: -77.343 +/- 0.827 χ^2/NDF : 846.2/24

Right Out: -81.746 +/- 1.359 χ^2/NDF : 1200.6/21

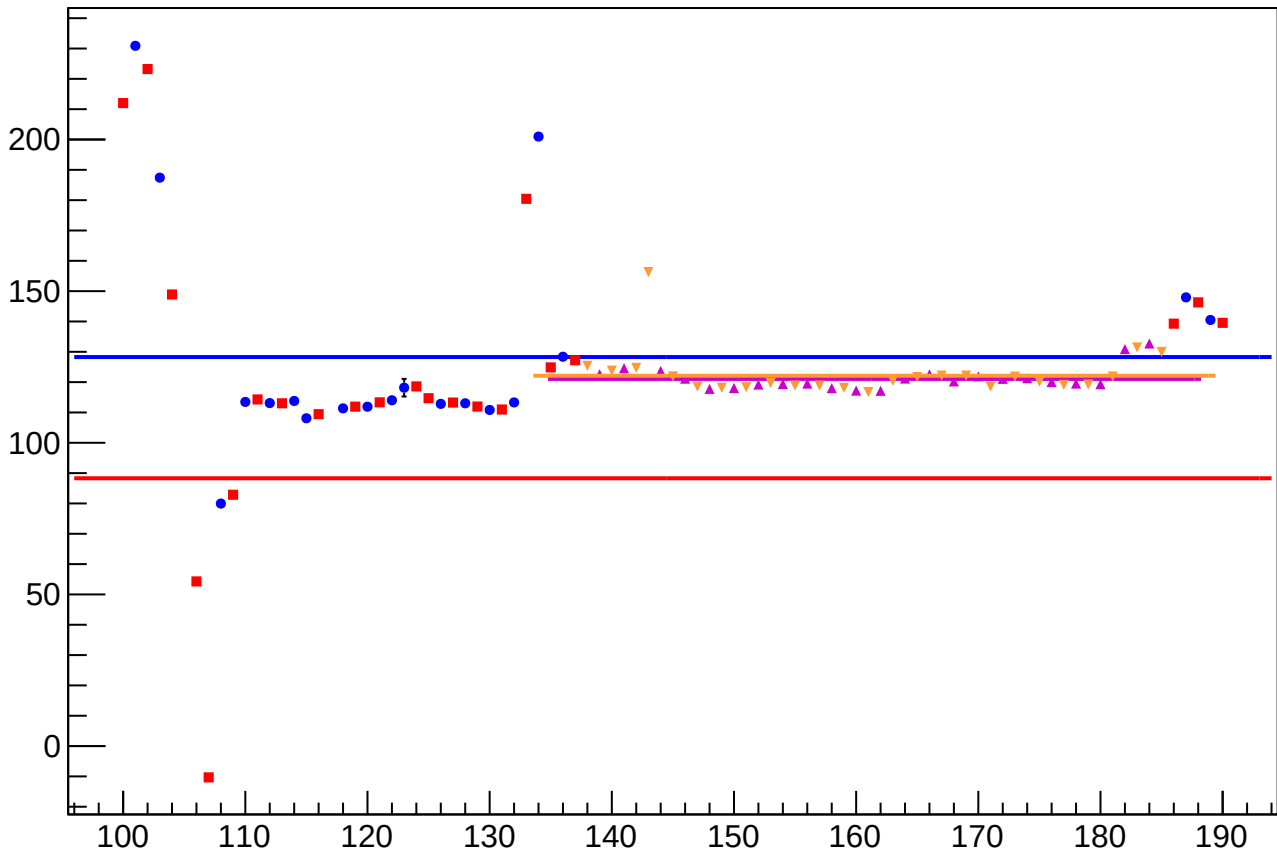
Left In: -77.838 +/- 0.849 χ^2/NDF : 622.8/22

+ sign -83.712 +/- 0.730 χ^2/NDF : 1798.4/43

All: -81.289 +/- 0.513 χ^2/NDF : 3649.4/88

- sign -78.935 +/- 0.720 χ^2/NDF : 1829.4/44

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.275 $\pm$ 0.087 χ^2 /NDF: 189590.4/18

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF: 30480.7/24

Right Out: 88.302 $\pm$ 0.072 χ^2 /NDF: 827251.1/21

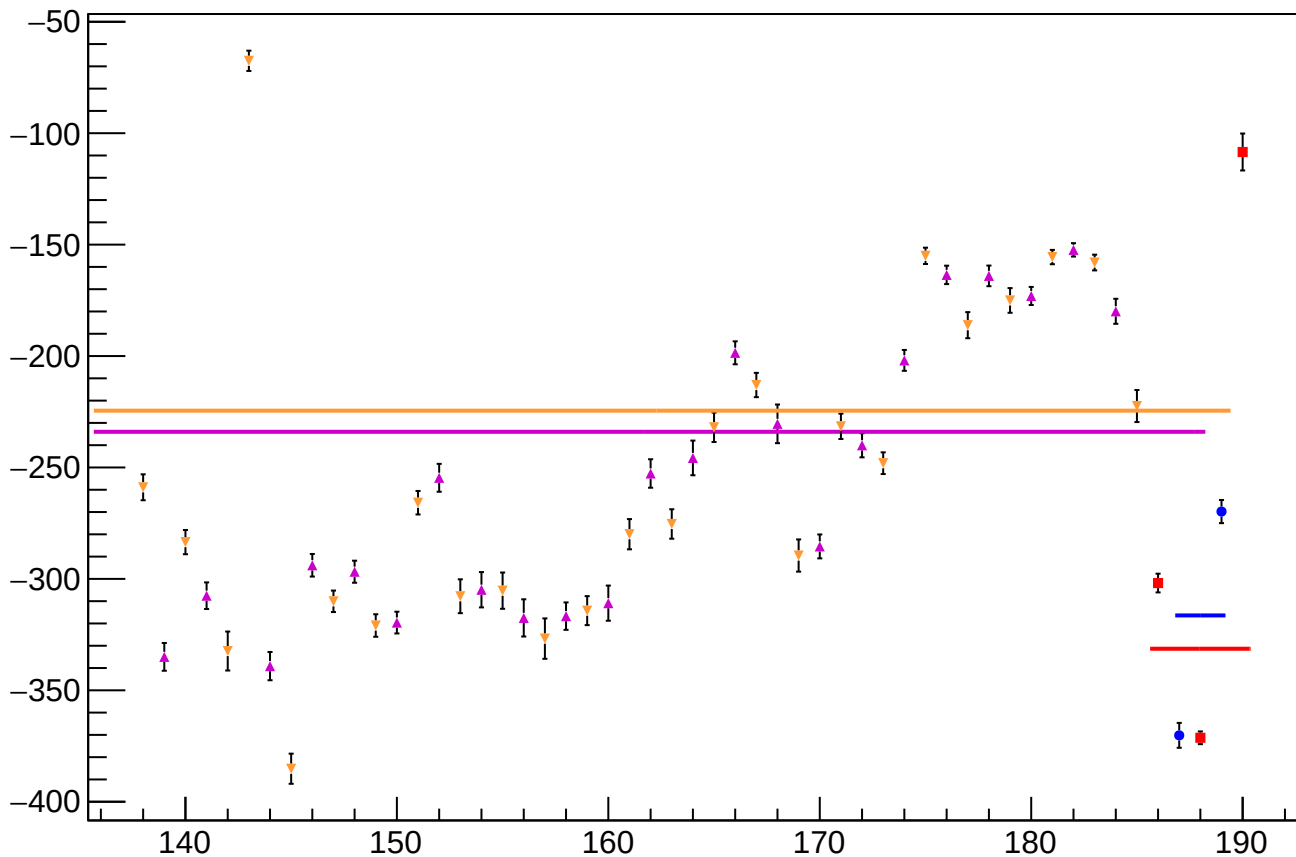
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 123.170 $\pm$ 0.036 χ^2 /NDF: 224236.9/43

All: 118.119 $\pm$ 0.025 χ^2 /NDF: 1257052.1/88

- sign 113.379 $\pm$ 0.035 χ^2 /NDF: 994420.3/44

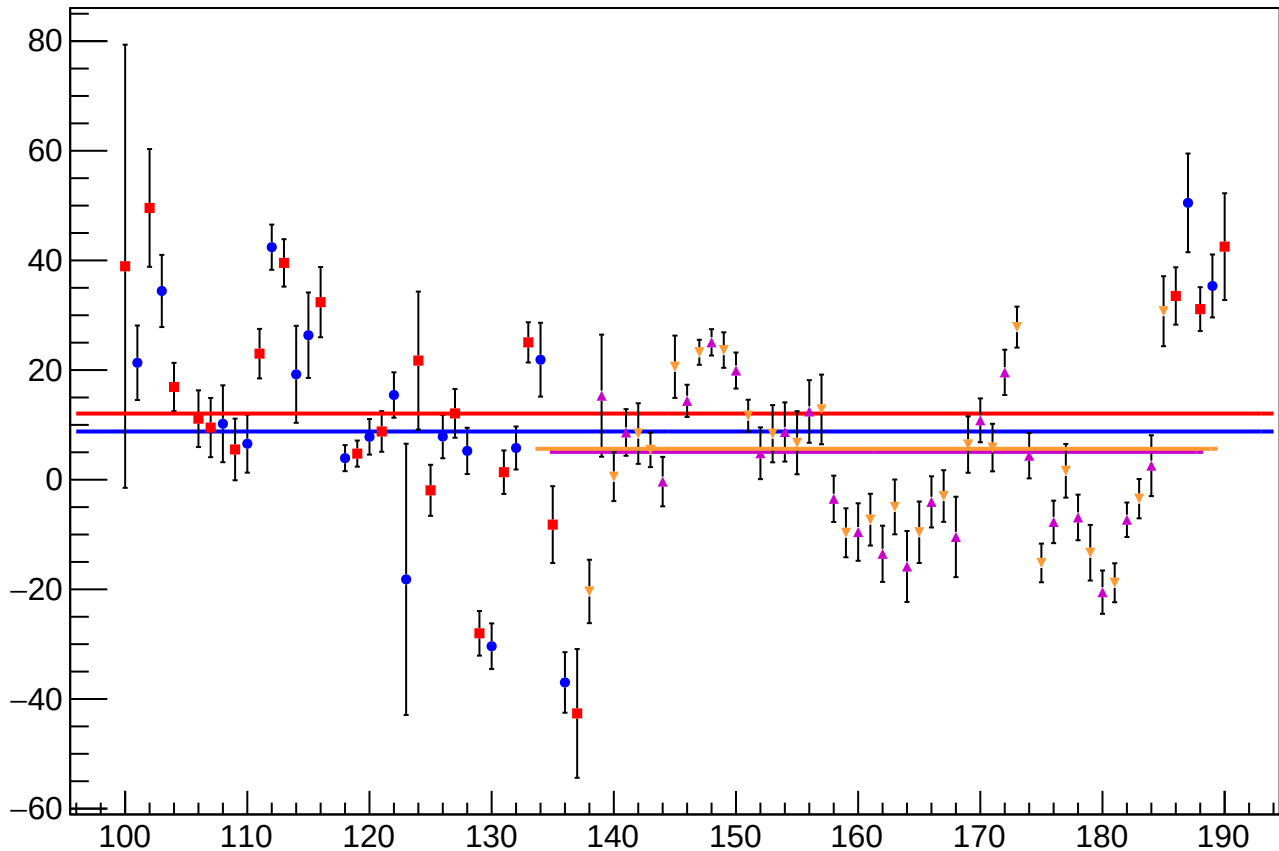
reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -316.399 ± 3.804 $\chi^2/\text{NDF}: 173.3/1$
 Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$
 Right Out: -331.342 ± 2.270 $\chi^2/\text{NDF}: 968.5/2$
 Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -231.344 ± 1.038 $\chi^2/\text{NDF}: 5584.0/26$
 All: -242.480 ± 0.719 $\chi^2/\text{NDF}: 11796.9/52$
 - sign -252.734 ± 0.996 $\chi^2/\text{NDF}: 5991.9/25$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.794 $\pm$ 1.077 χ^2/NDF : 305.1/18

Left Out: 5.638 $\pm$ 0.828 χ^2/NDF :313.6/24

Right Out: 12.066 $\pm$ 1.011 χ^2/NDF : 287.6/21

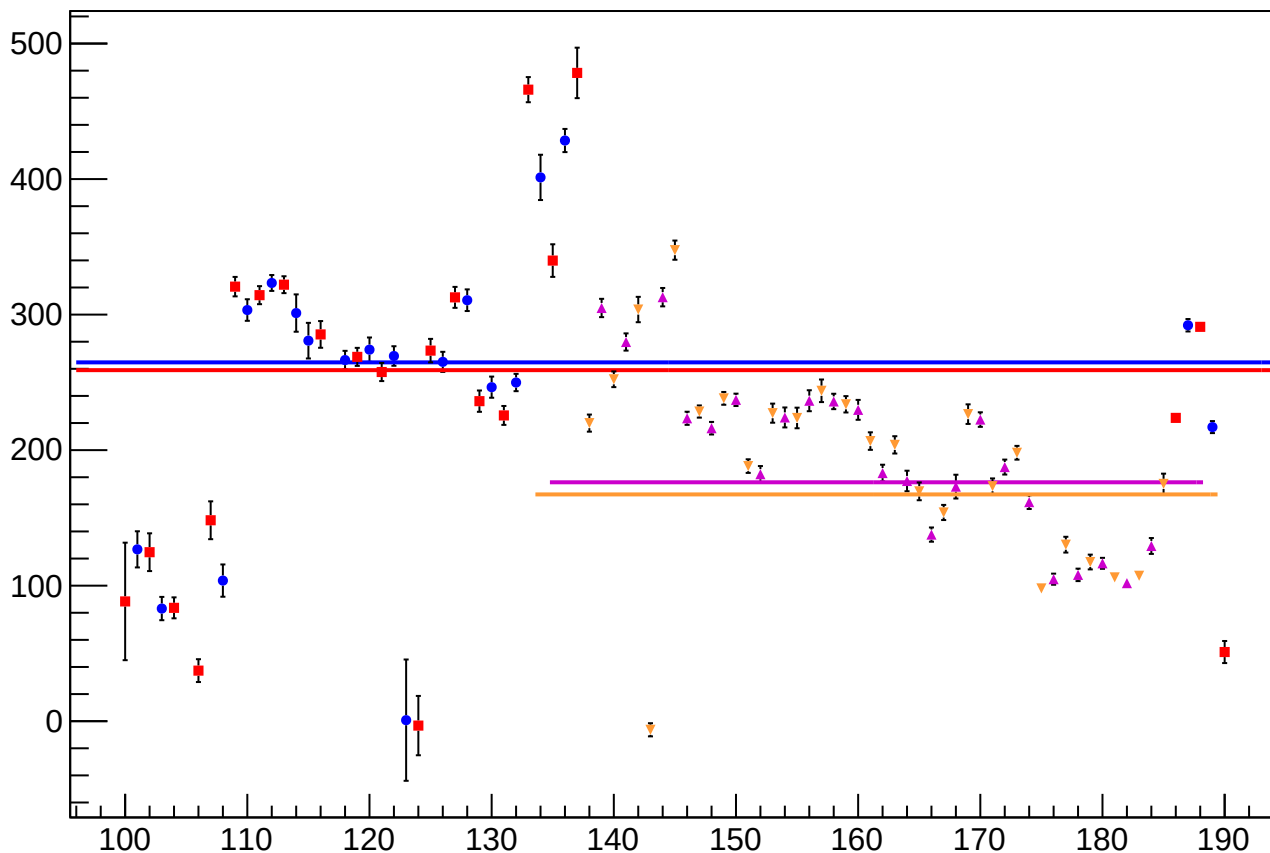
Left In: 5.077 $\pm$ 0.869 χ^2/NDF :239.7/22

+ sign 6.810 $\pm$ 0.656 χ^2/NDF : 624.1/43

All: 7.426 $\pm$ 0.465 χ^2/NDF : 1180.6/88

- sign 8.047 $\pm$ 0.659 χ^2/NDF : 554.7/44

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 264.754 $\pm$ 1.750 χ^2 /NDF: 1533.3/18

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF: 4454.5/24

Right Out: 259.014 $\pm$ 1.352 χ^2 /NDF: 3495.0/21

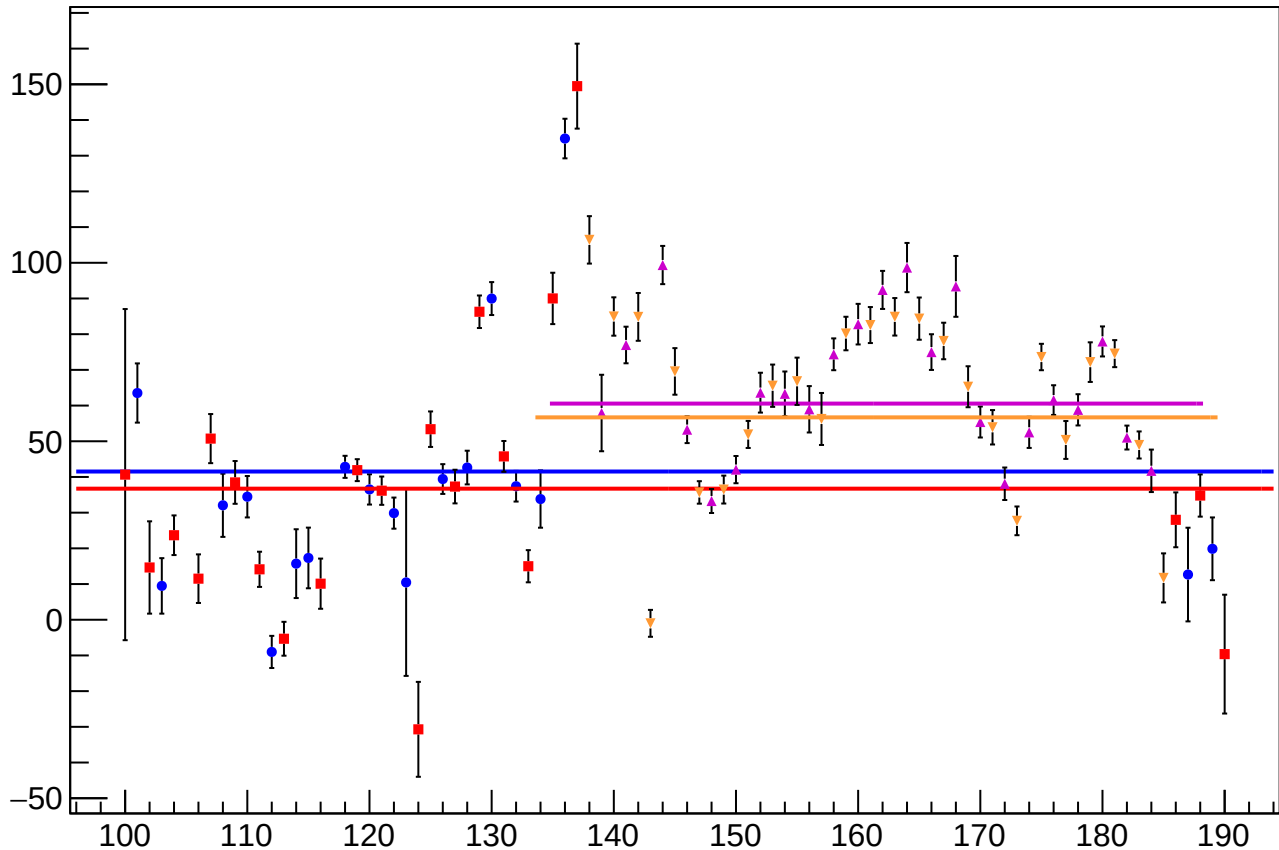
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF: 3169.5/22

+ sign 194.287 $\pm$ 0.921 χ^2 /NDF: 8229.4/43

All: 202.418 $\pm$ 0.627 χ^2 /NDF: 17284.2/88

- sign 209.444 $\pm$ 0.856 χ^2 /NDF: 8909.5/44

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 41.525 $\pm$ 1.258 χ^2 /NDF: 584.3/18

Left Out: 56.695 $\pm$ 0.952 χ^2 /NDF: 690.4/24

Right Out: 36.722 $\pm$ 1.193 χ^2 /NDF: 479.9/21

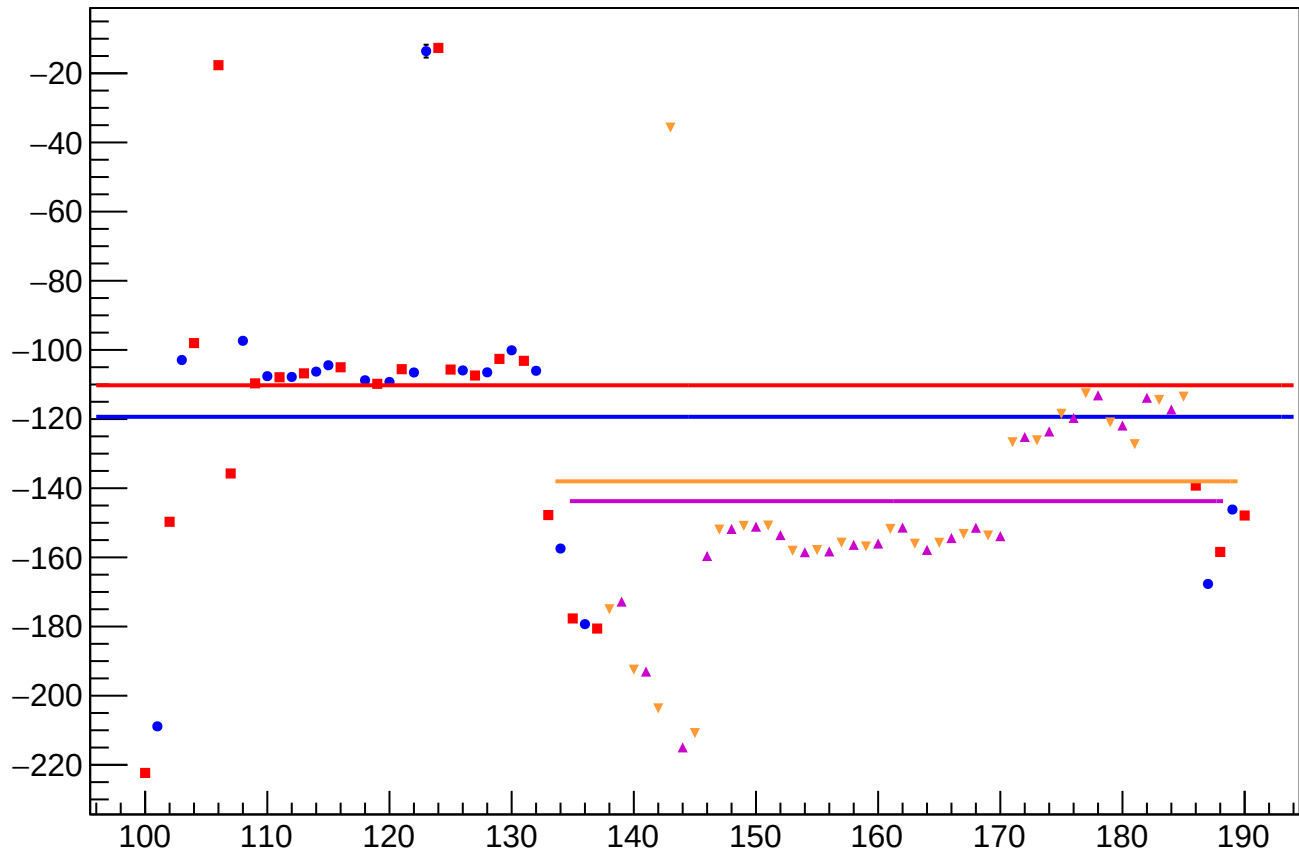
Left In: 60.555 $\pm$ 0.990 χ^2 /NDF: 335.6/22

+ sign 51.170 $\pm$ 0.759 χ^2 /NDF: 1367.3/43

All: 51.002 $\pm$ 0.538 χ^2 /NDF: 2419.2/88

- sign 50.832 $\pm$ 0.762 χ^2 /NDF: 1051.9/44

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



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: -110.228+/-0.069 χ^2/NDF : 363664.3/21

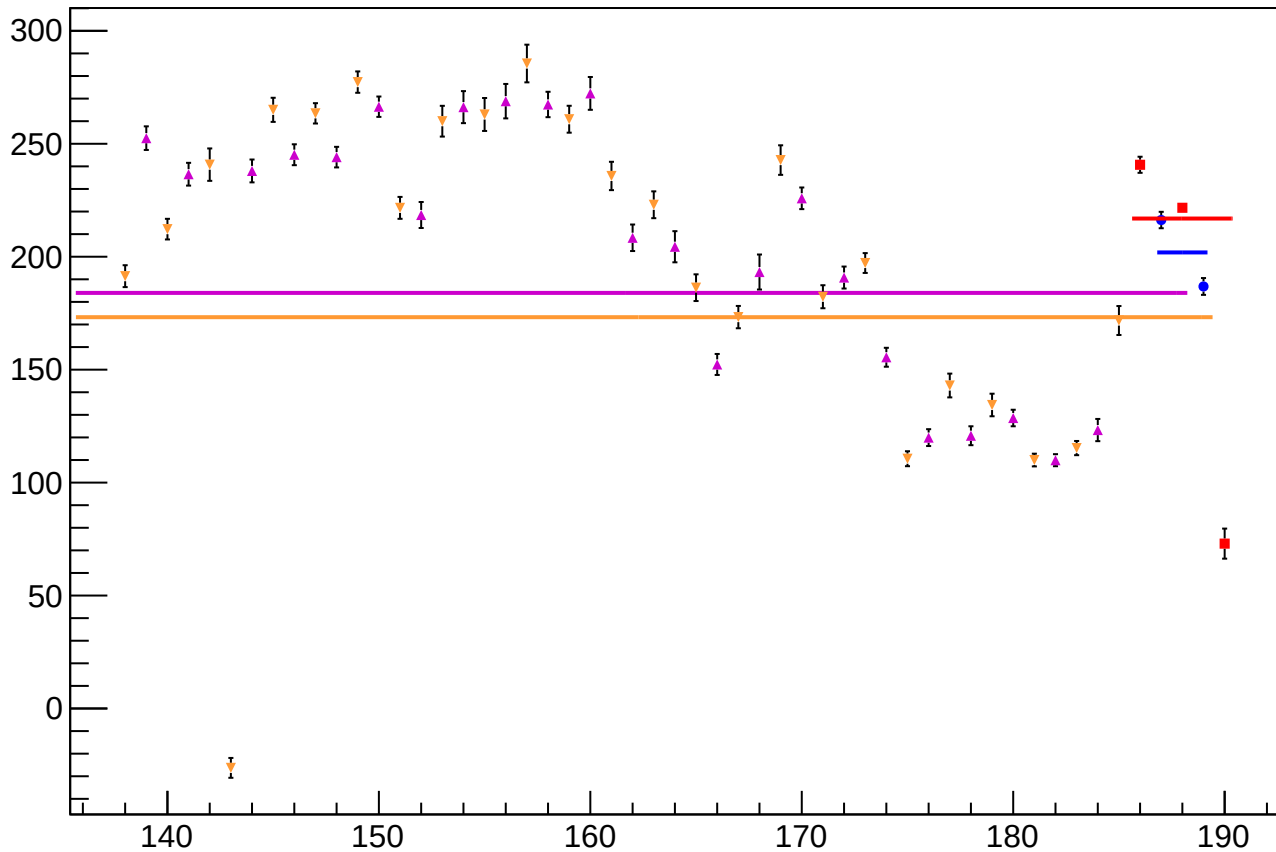
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -133.201+/-0.039 χ^2/NDF : 761349.2/43

All: -133.342+/-0.027 χ^2/NDF : 1545154.8/88

- sign -133.479+/-0.038 χ^2/NDF : 783779.6/44

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 201.898 $\pm$ 2.599 χ^2 /NDF: 32.0/1

Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF: 5846.0/24

Right Out: 216.904 $\pm$ 1.602 χ^2 /NDF: 518.9/2

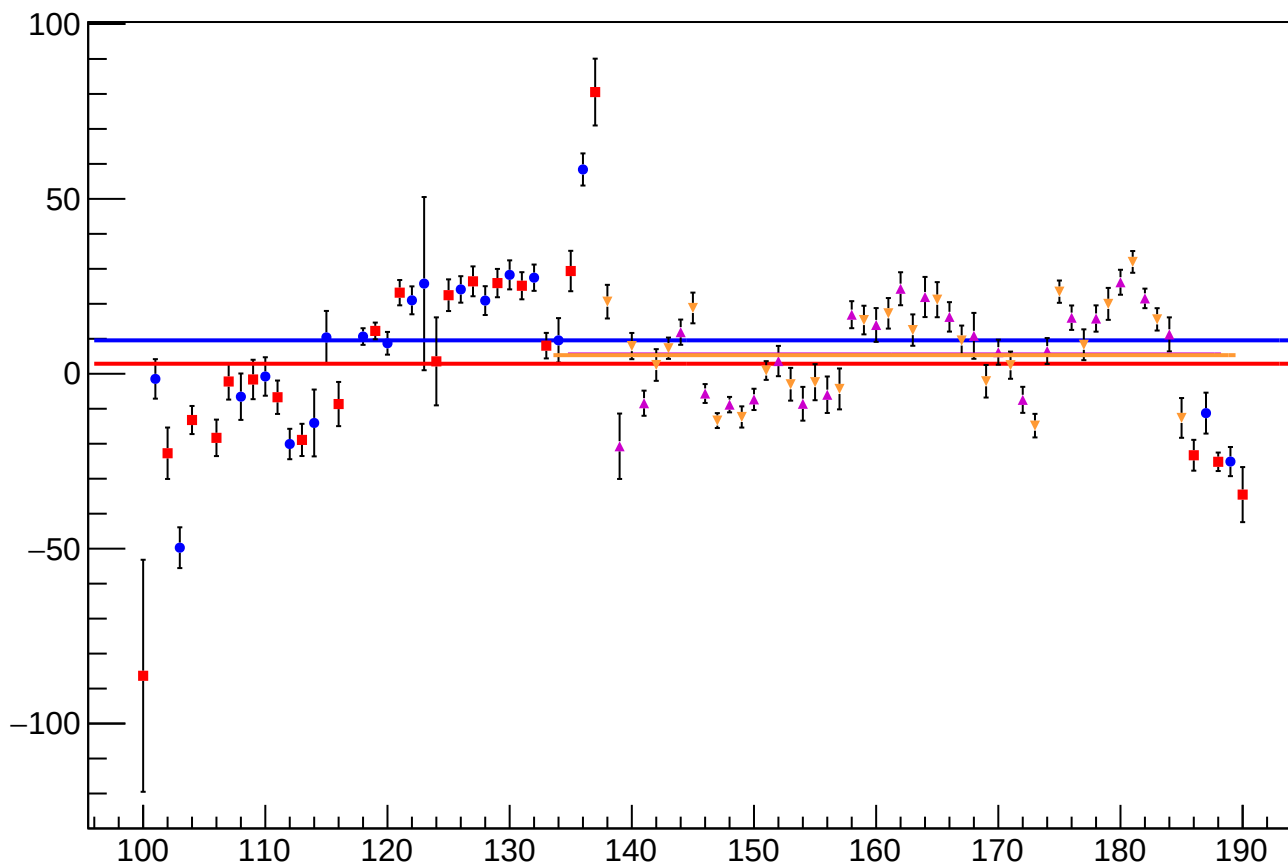
Left In: 183.984 $\pm$ 0.991 χ^2 /NDF: 3613.7/22

+ sign 176.707 $\pm$ 0.905 χ^2 /NDF: 5984.9/26

All: 185.482 $\pm$ 0.617 χ^2 /NDF: 10598.2/52

- sign 193.091 $\pm$ 0.843 χ^2 /NDF: 4437.8/25

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 9.555 $\pm$ 1.026 χ^2 /NDF: 438.5/18

Left Out: 5.321 $\pm$ 0.747 χ^2 /NDF:345.5/24

Right Out: 2.869 $\pm$ 0.945 χ^2 /NDF: 504.6/21

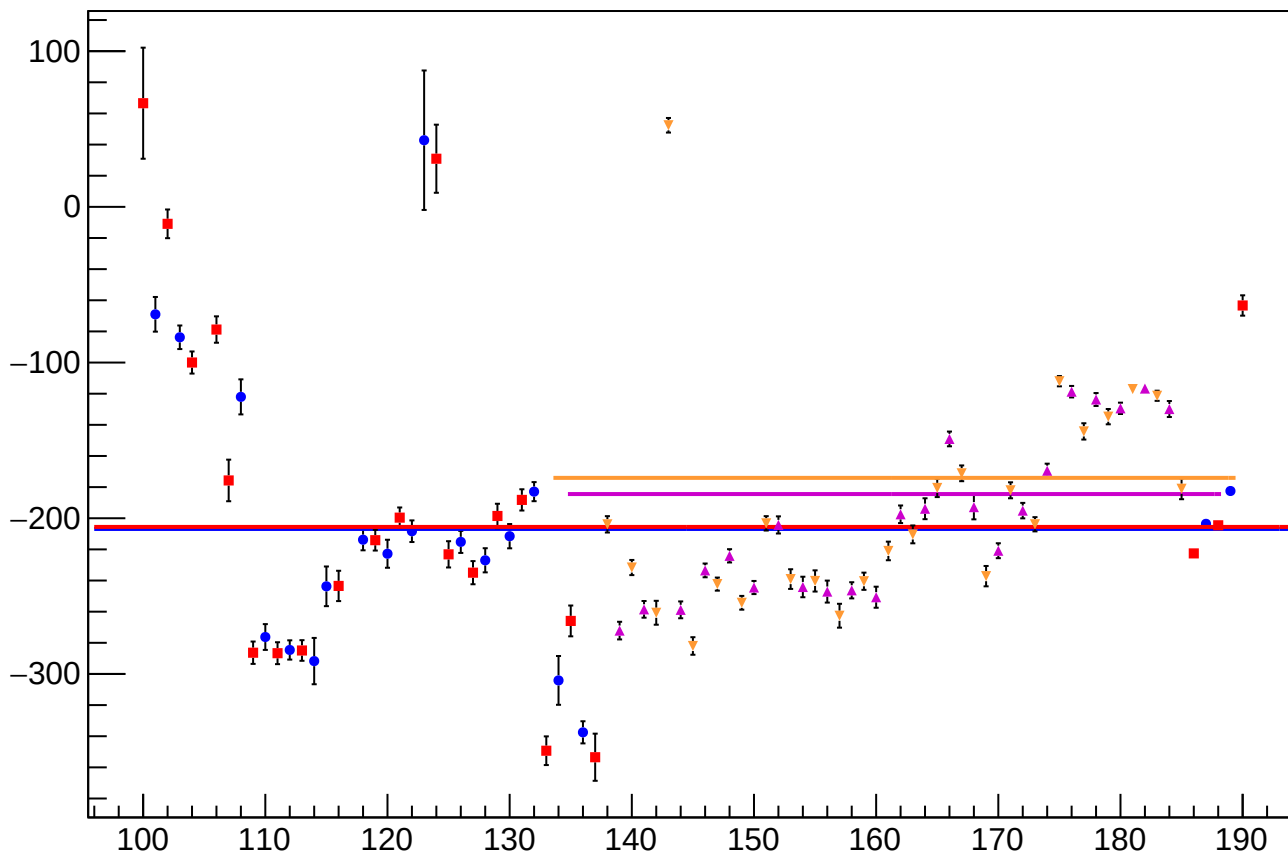
Left In: 5.527 $\pm$ 0.781 χ^2 /NDF:256.3/22

+ sign 6.789 $\pm$ 0.604 χ^2 /NDF: 795.2/43

All: 5.615 $\pm$ 0.426 χ^2 /NDF: 1568.3/88

- sign 4.448 $\pm$ 0.602 χ^2 /NDF: 765.7/44

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -206.871 ± 1.475 χ^2/NDF : 1241.4/18

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -205.567 ± 1.077 χ^2/NDF : 2405.3/21

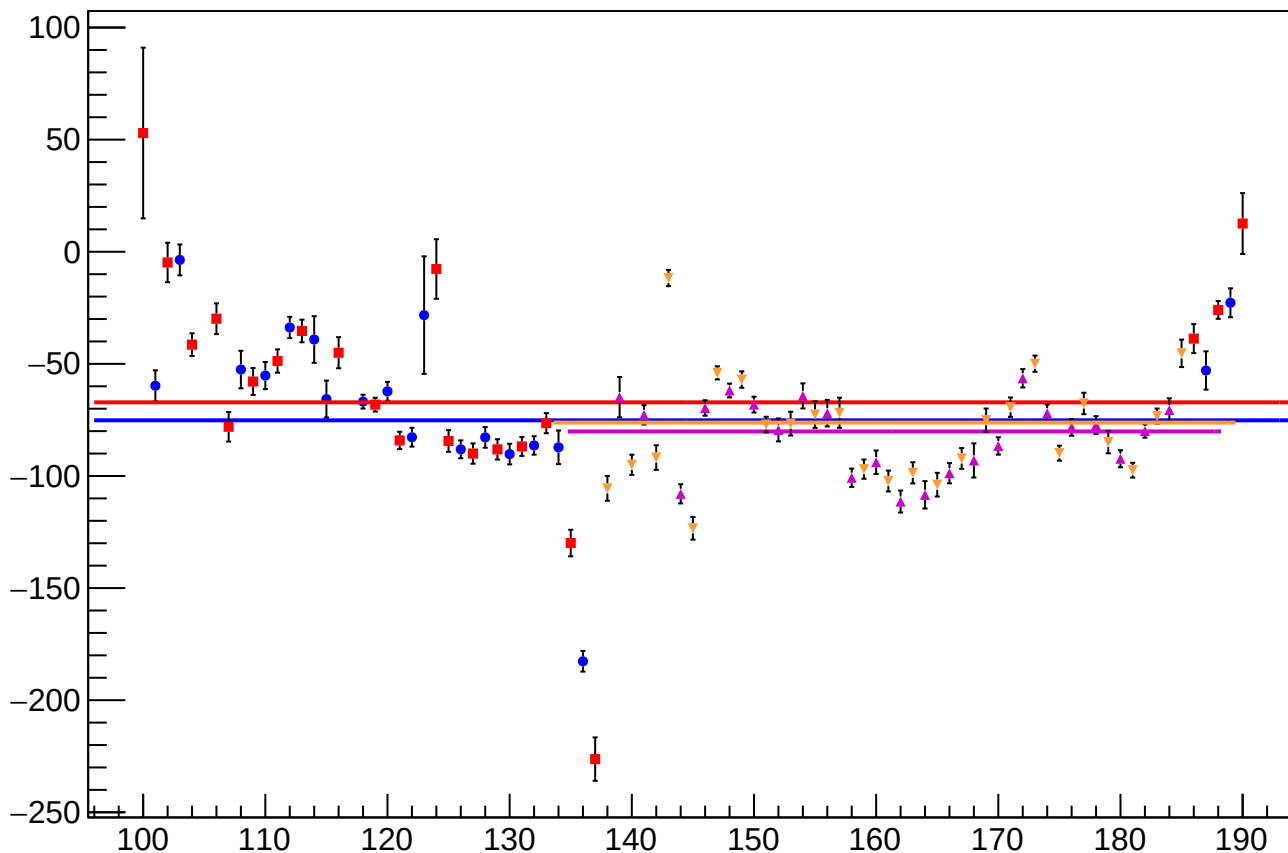
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -183.974 ± 0.811 χ^2/NDF : 7029.8/43

All: -189.588 ± 0.542 χ^2/NDF : 12781.3/88

- sign -194.127 ± 0.729 χ^2/NDF : 5664.9/44

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -75.182 ± 1.205 χ^2/NDF : 893.2/18

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -67.160 ± 1.134 χ^2/NDF : 853.0/21

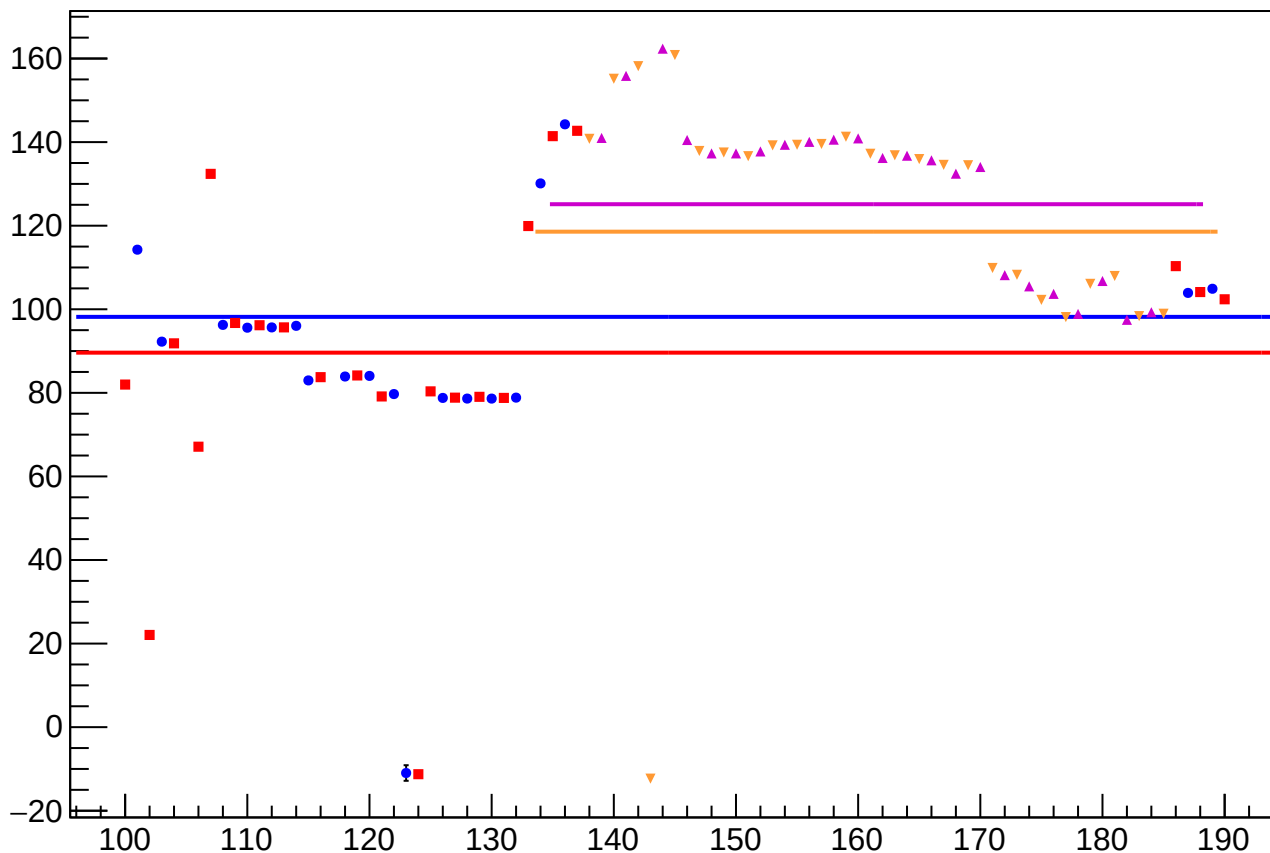
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -75.846 ± 0.698 χ^2/NDF : 1694.7/43

All: -75.525 ± 0.494 χ^2/NDF : 2912.6/88

- sign -75.204 ± 0.700 χ^2/NDF : 1217.5/44

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.182 $\pm$ 0.071 χ^2 /NDF: 94582.9/18

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 89.616 $\pm$ 0.064 χ^2 /NDF: 229921.0/21

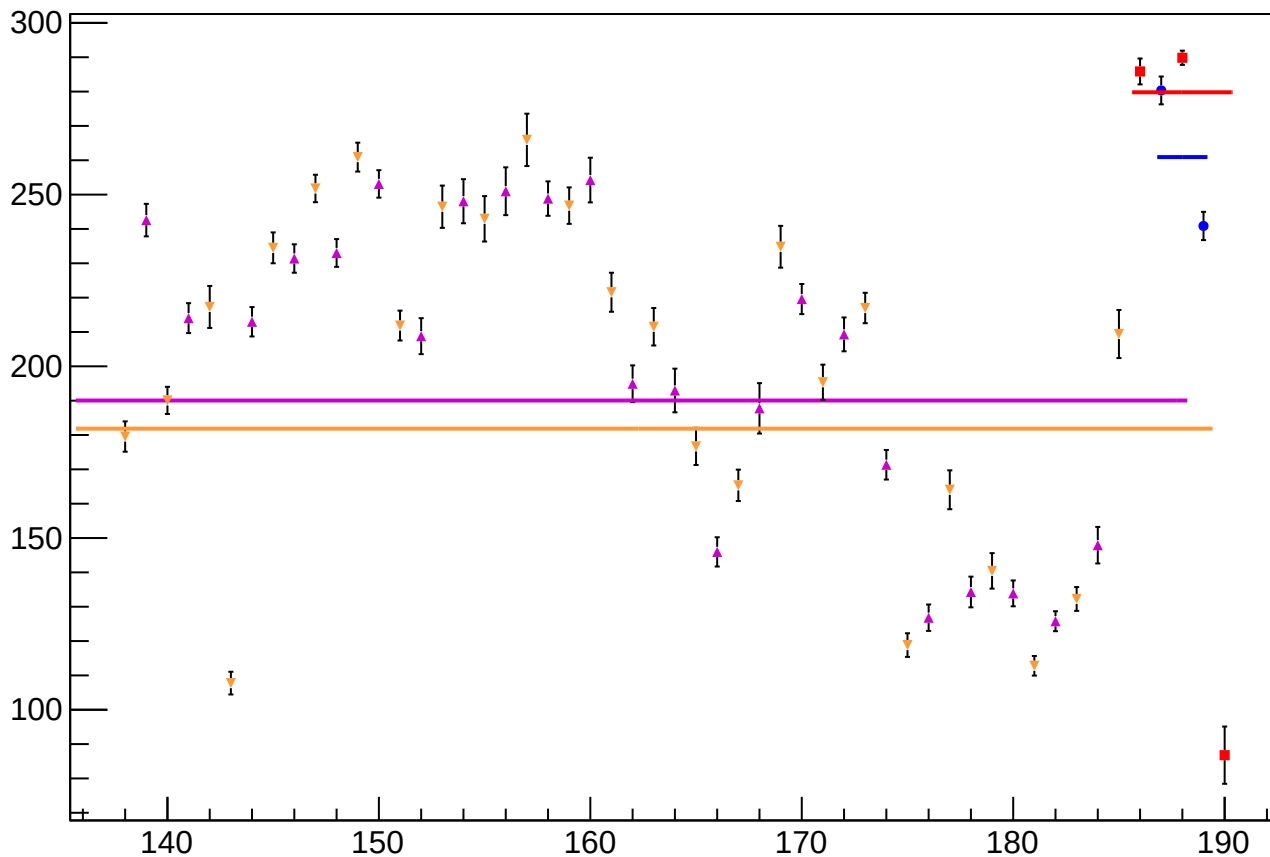
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 113.564 $\pm$ 0.035 χ^2 /NDF: 885495.1/43

All: 114.087 $\pm$ 0.025 χ^2 /NDF: 1556584.5/88

- sign 114.594 $\pm$ 0.035 χ^2 /NDF: 670654.6/44

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 260.923 $\pm$ 2.885 χ^2/NDF : 46.8/1

Left Out: 181.850 $\pm$ 0.913 χ^2/NDF : 3303.4/24

Right Out: 279.797 $\pm$ 1.771 χ^2/NDF : 562.2/2

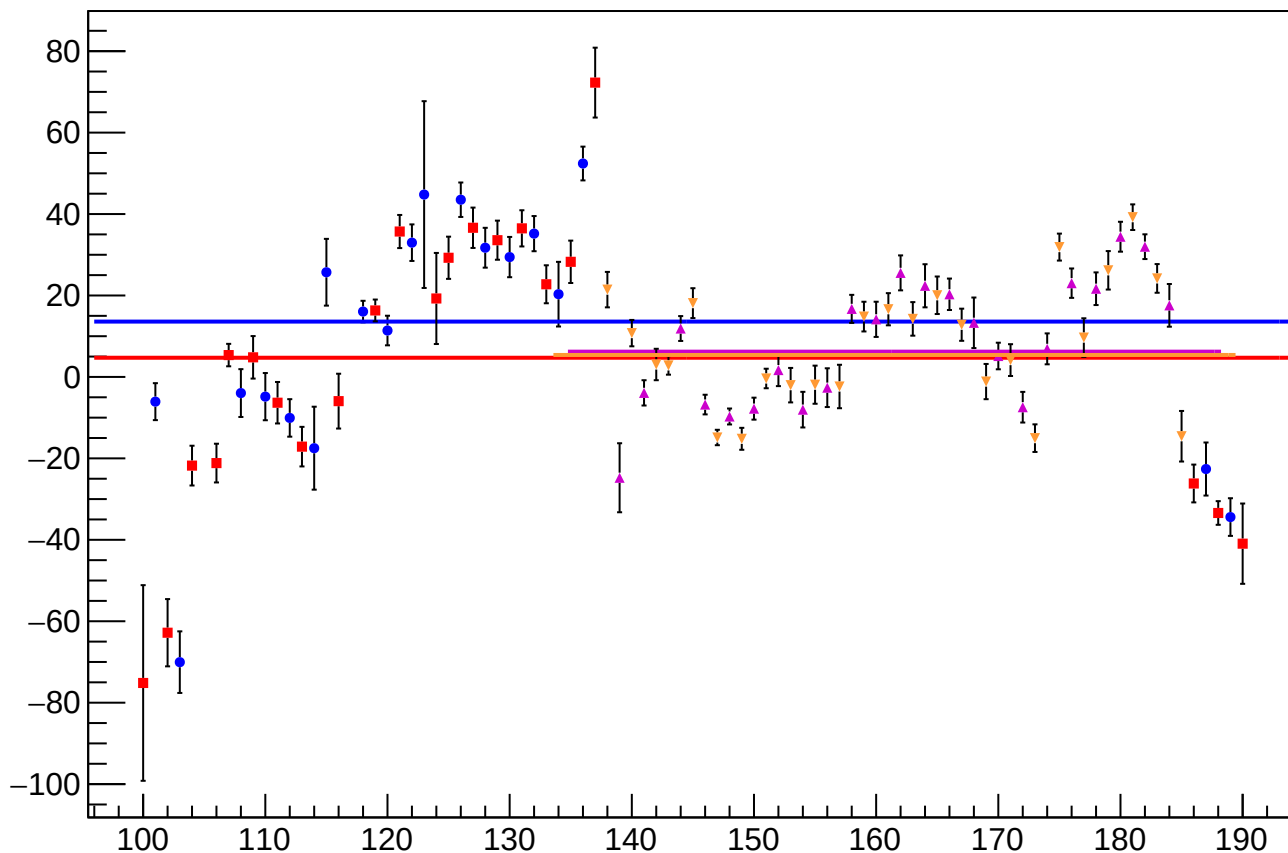
Left In: 190.048 $\pm$ 0.953 χ^2/NDF : 2438.4/22

+ sign 189.054 $\pm$ 0.871 χ^2/NDF : 4033.0/26

All: 200.012 $\pm$ 0.604 χ^2/NDF : 9330.0/52

- sign 210.189 $\pm$ 0.839 χ^2/NDF : 4991.6/25

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



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: 4.711+/-0.988 χ^2/NDF : 729.5/21

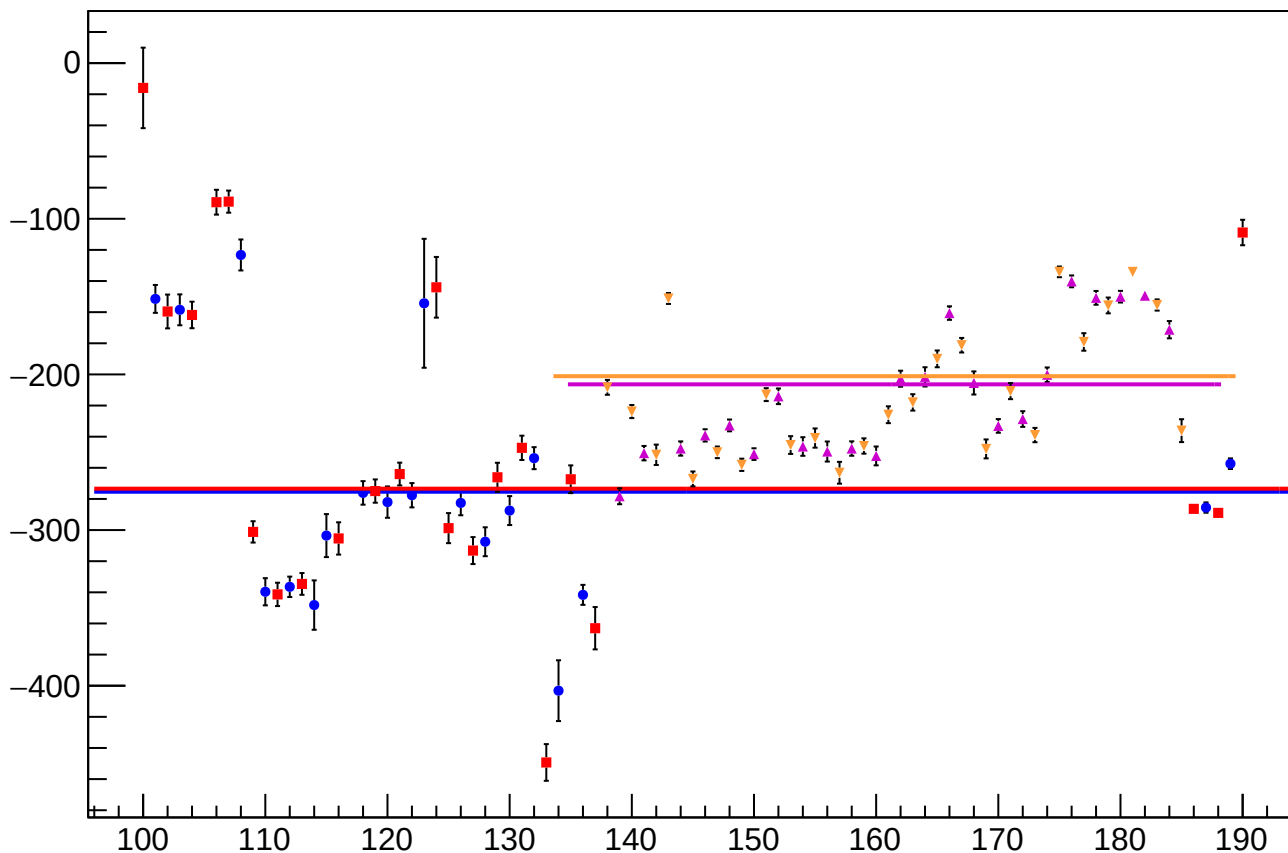
Left In: 6.206+/-0.732 χ^2/NDF : 407.5/22

+ sign 7.652+/-0.586 χ^2/NDF : 1111.4/43

All: 6.668+/-0.415 χ^2/NDF : 2255.5/88

- sign 5.677+/-0.588 χ^2/NDF : 1138.5/44

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -275.356 $\pm$ 1.612 χ^2 /NDF: 949.1/18

Left Out: -201.144 $\pm$ 0.918 χ^2 /NDF:2488.8/24

Right Out: -273.410 $\pm$ 1.168 χ^2 /NDF: 2634.4/21

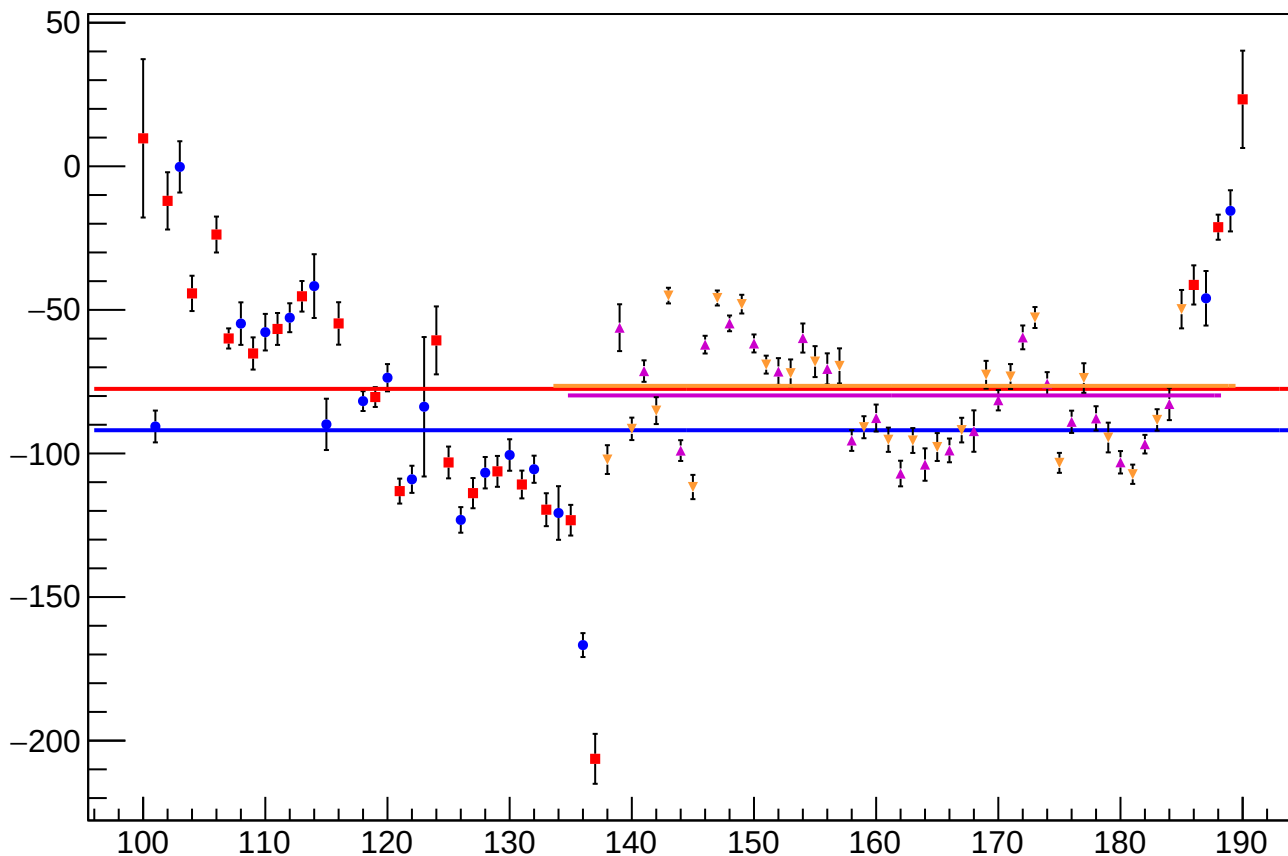
Left In: -206.379 $\pm$ 0.950 χ^2 /NDF:2111.6/22

+ sign -219.312 $\pm$ 0.798 χ^2 /NDF: 5038.4/43

All: -226.718 $\pm$ 0.541 χ^2 /NDF: 11926.1/88

- sign -233.039 $\pm$ 0.737 χ^2 /NDF: 6727.9/44

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -91.910 ± 1.308 χ^2/NDF : 813.5/18

Left Out: -76.460 ± 0.797 χ^2/NDF : 781.3/24

Right Out: -77.507 ± 1.188 χ^2/NDF : 1037.5/21

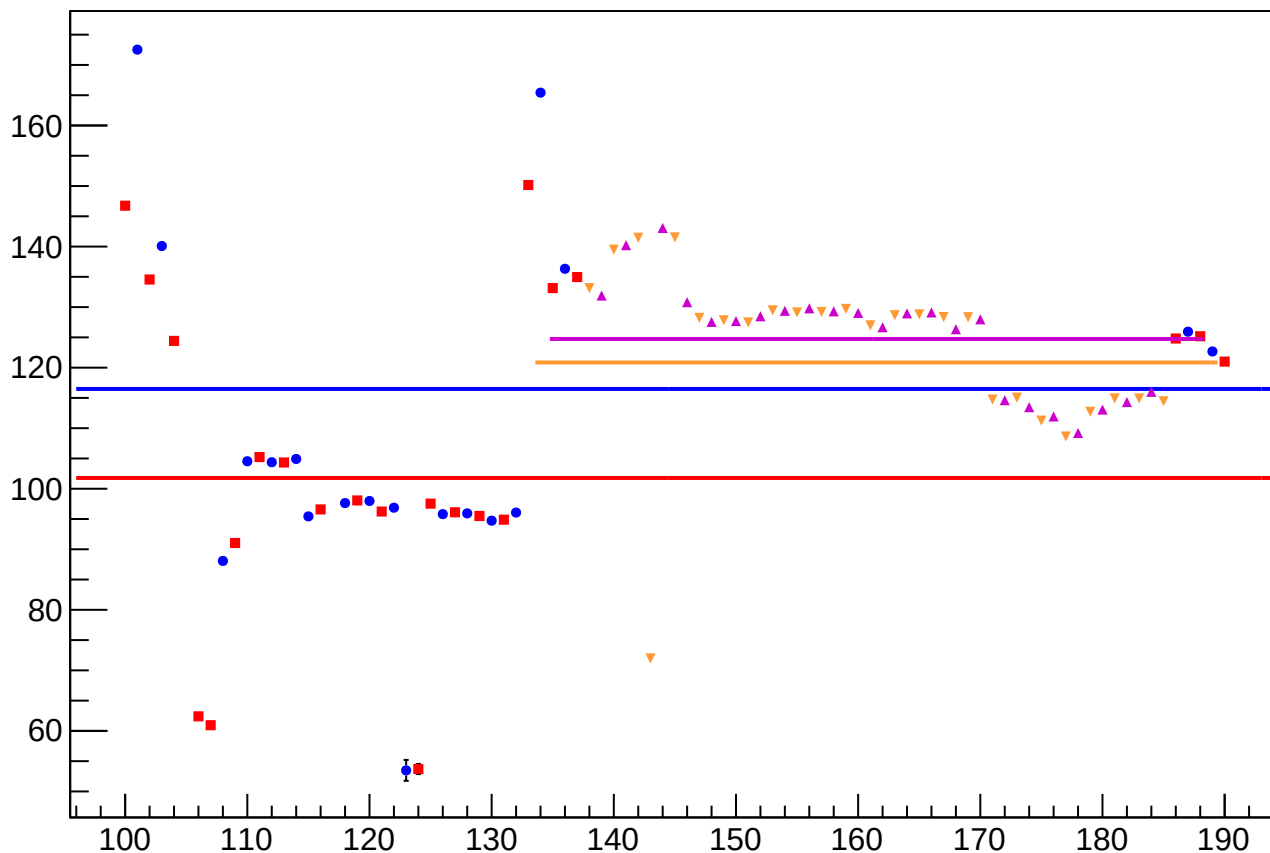
Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

+ sign -80.640 ± 0.680 χ^2/NDF : 1696.6/43

All: -79.842 ± 0.483 χ^2/NDF : 3151.6/88

- sign -79.031 ± 0.686 χ^2/NDF : 1452.3/44

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 116.483 $\pm$ 0.076 χ^2 /NDF: 106316.4/18

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF:182759.1/24

Right Out: 101.780 $\pm$ 0.065 χ^2 /NDF: 188242.6/21

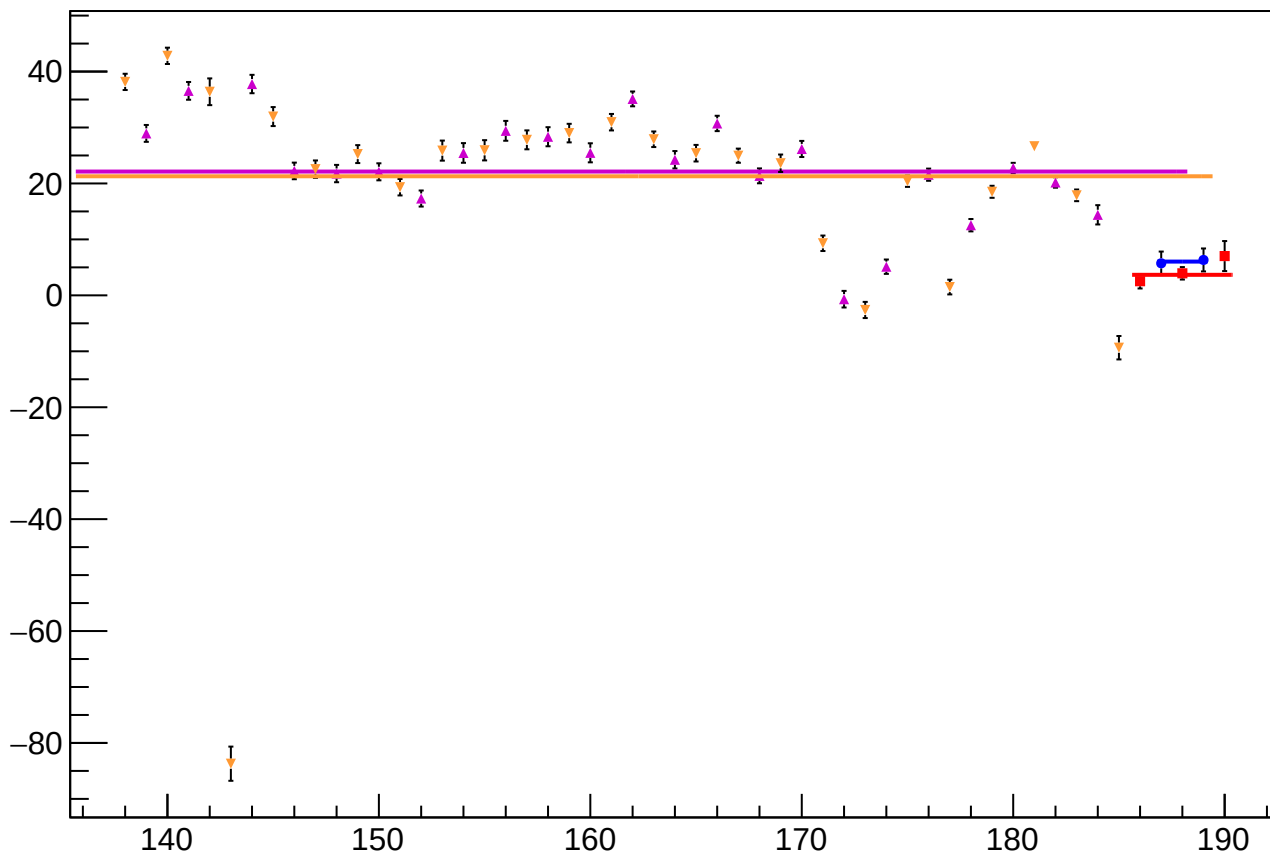
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

+ sign 119.977 $\pm$ 0.034 χ^2 /NDF: 291728.3/43

All: 119.264 $\pm$ 0.024 χ^2 /NDF: 624062.0/88

- sign 118.570 $\pm$ 0.034 χ^2 /NDF: 331467.0/44

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 6.035 $\pm$ 1.467 χ^2 /NDF: 0.0/1

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF:2600.5/24

Right Out: 3.669 $\pm$ 0.805 χ^2 /NDF: 2.4/2

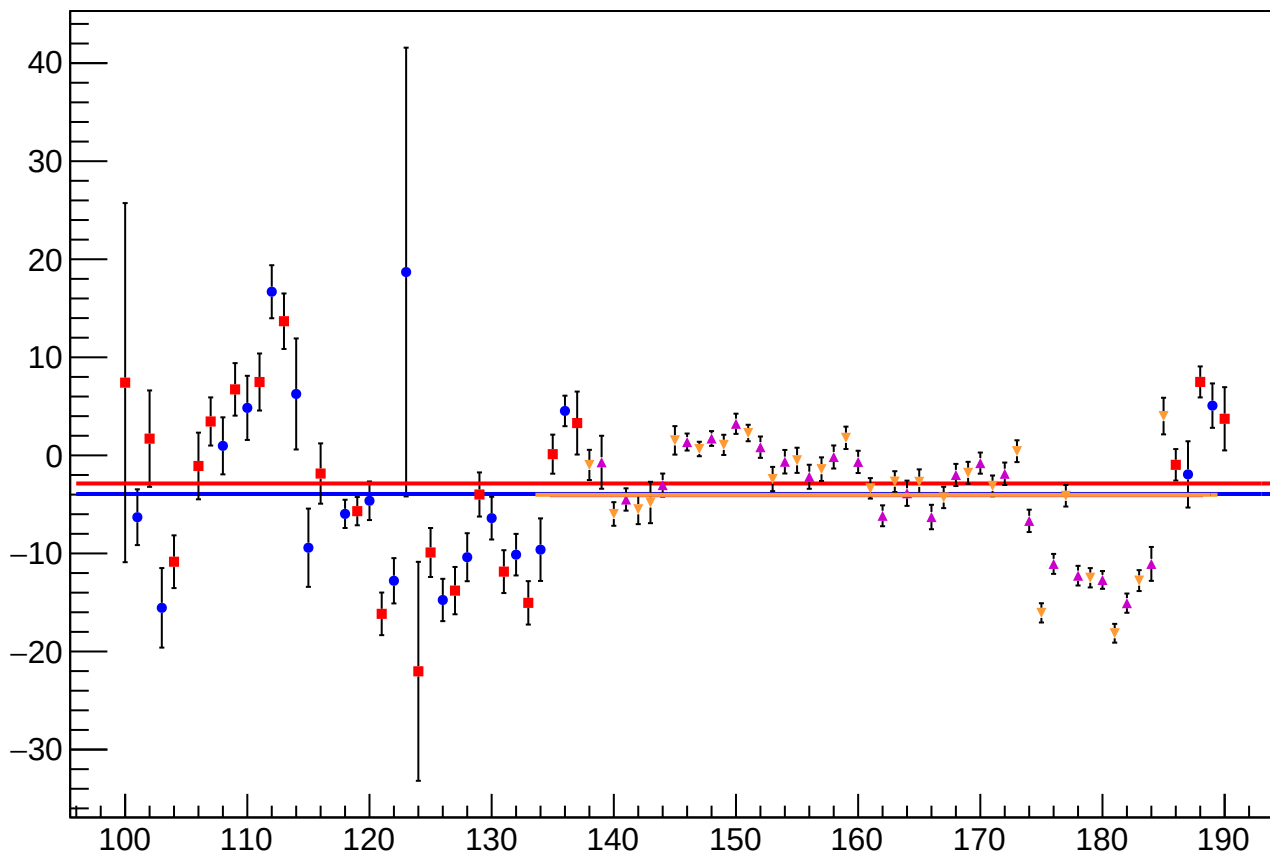
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF:900.2/22

+ sign 20.737 $\pm$ 0.277 χ^2 /NDF: 2704.8/26

All: 20.391 $\pm$ 0.193 χ^2 /NDF: 4077.0/52

- sign 20.067 $\pm$ 0.269 χ^2 /NDF: 1369.2/25

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.936 ± 0.562 χ^2/NDF : 190.9/18

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -2.867 ± 0.513 χ^2/NDF : 251.3/21

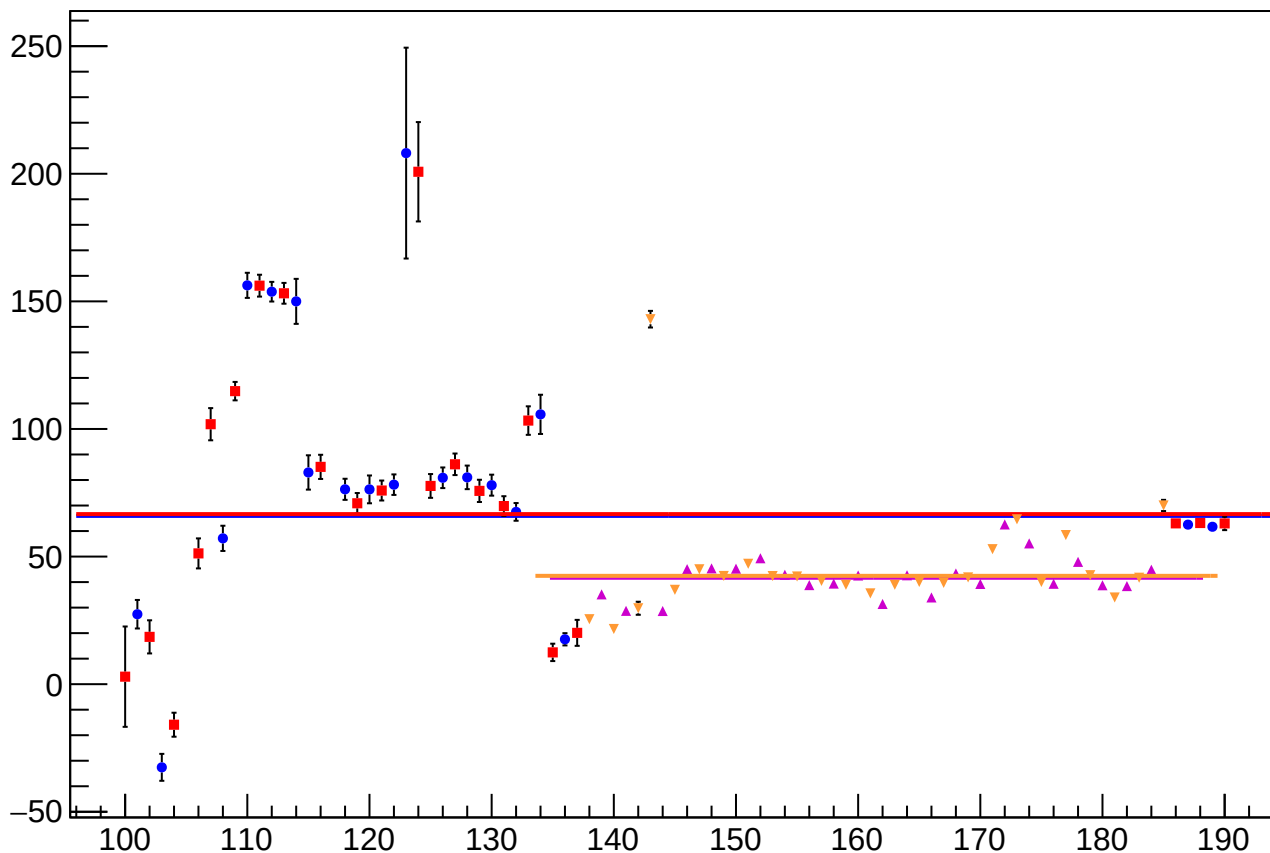
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -4.010 ± 0.207 χ^2/NDF : 925.0/43

All: -3.936 ± 0.147 χ^2/NDF : 1758.3/88

- sign -3.862 ± 0.208 χ^2/NDF : 833.0/44

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 65.942 $\pm$ 0.814 χ^2 /NDF: 1861.3/18

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 66.642 $\pm$ 0.561 χ^2 /NDF: 1988.6/21

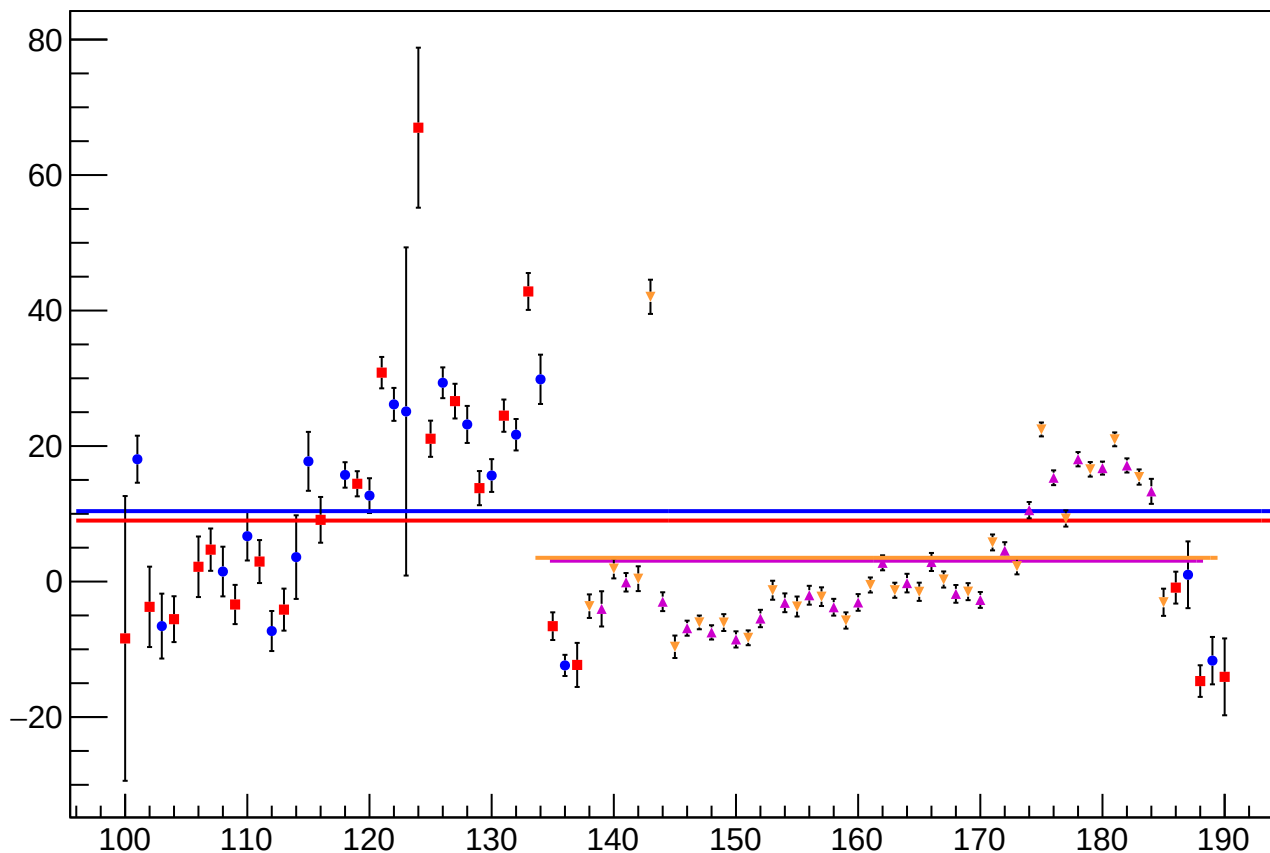
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 44.965 $\pm$ 0.266 χ^2 /NDF: 4620.0/43

All: 45.923 $\pm$ 0.184 χ^2 /NDF: 8838.0/88

- sign 46.790 $\pm$ 0.253 χ^2 /NDF: 4193.3/44

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 10.395+/-0.649 χ^2/NDF : 519.9/18

Left Out: 3.505+/-0.252 χ^2/NDF : 1691.3/24

Right Out: 9.001+/-0.614 χ^2/NDF : 695.8/21

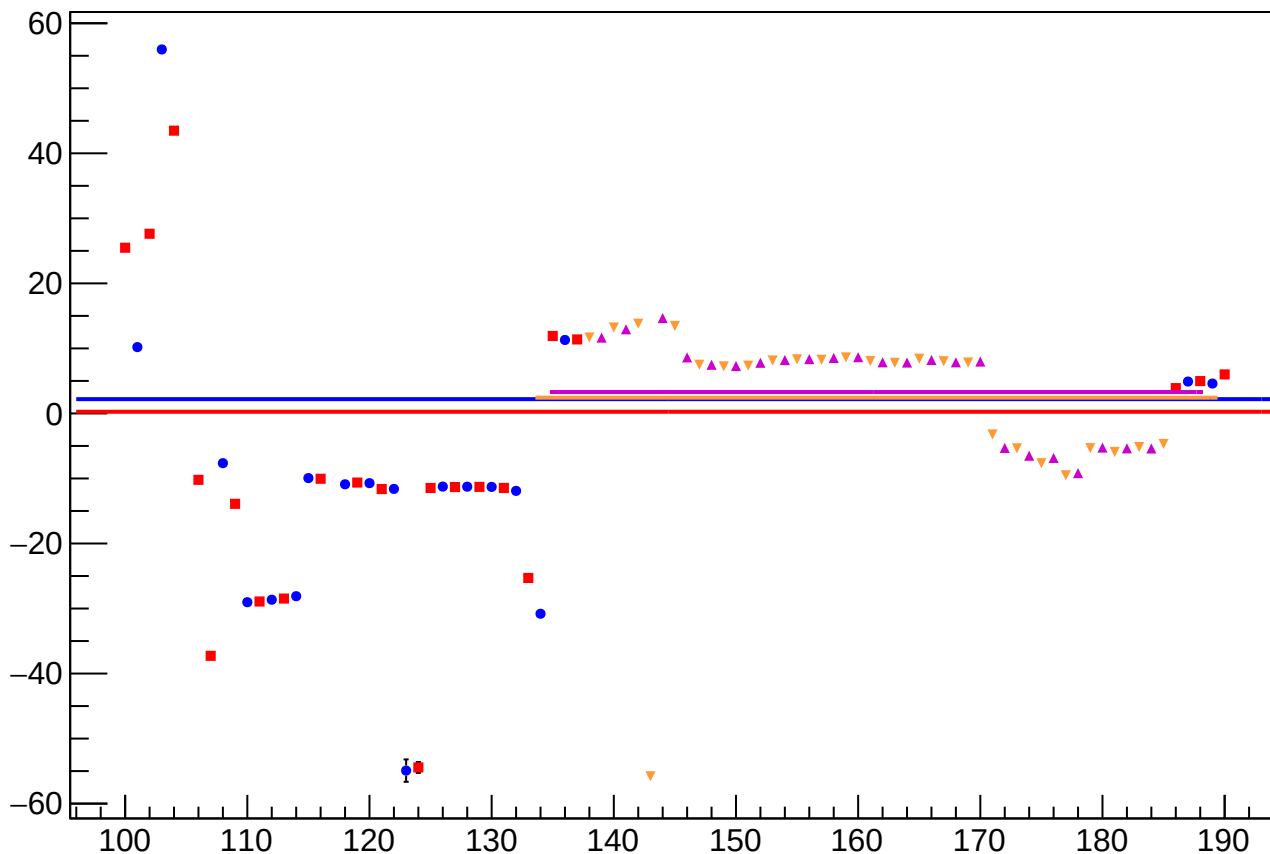
Left In: 3.081+/-0.257 χ^2/NDF : 1265.7/22

+ sign 4.409+/-0.235 χ^2/NDF : 2309.0/43

All: 4.188+/-0.167 χ^2/NDF : 4351.4/88

- sign 3.965+/-0.237 χ^2/NDF : 2040.6/44

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 2.197 $\pm$ 0.036 χ^2 /NDF: 358248.6/18

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 0.259 $\pm$ 0.034 χ^2 /NDF: 364827.1/21

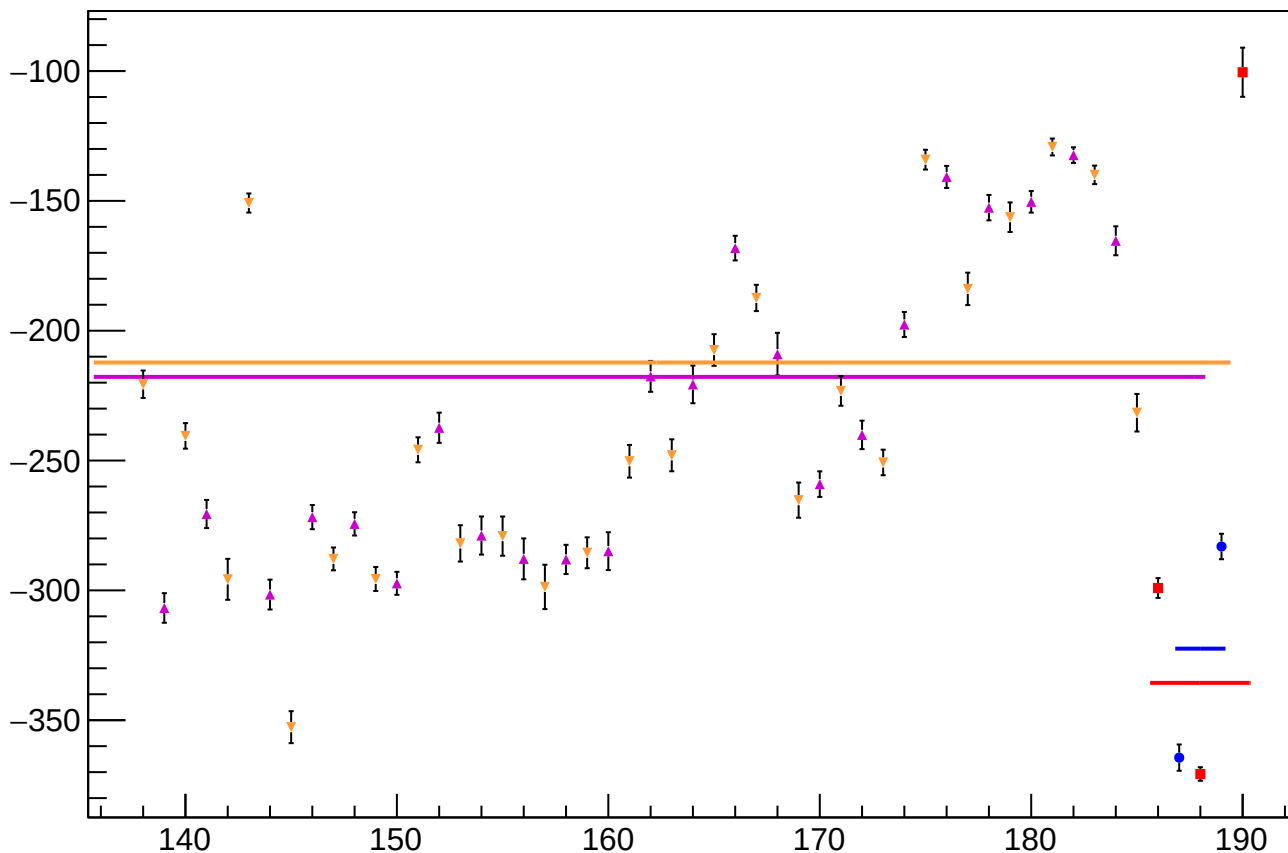
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.404 $\pm$ 0.011 χ^2 /NDF: 974667.8/43

All: 2.687 $\pm$ 0.008 χ^2 /NDF: 1752305.7/88

- sign 2.972 $\pm$ 0.011 χ^2 /NDF: 776306.5/44

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -322.437 ± 3.520 $\chi^2/\text{NDF}: 133.2/1$

Left Out: -212.231 ± 1.029 $\chi^2/\text{NDF}: 3875.4/24$

Right Out: -335.620 ± 2.101 $\chi^2/\text{NDF}: 890.4/2$

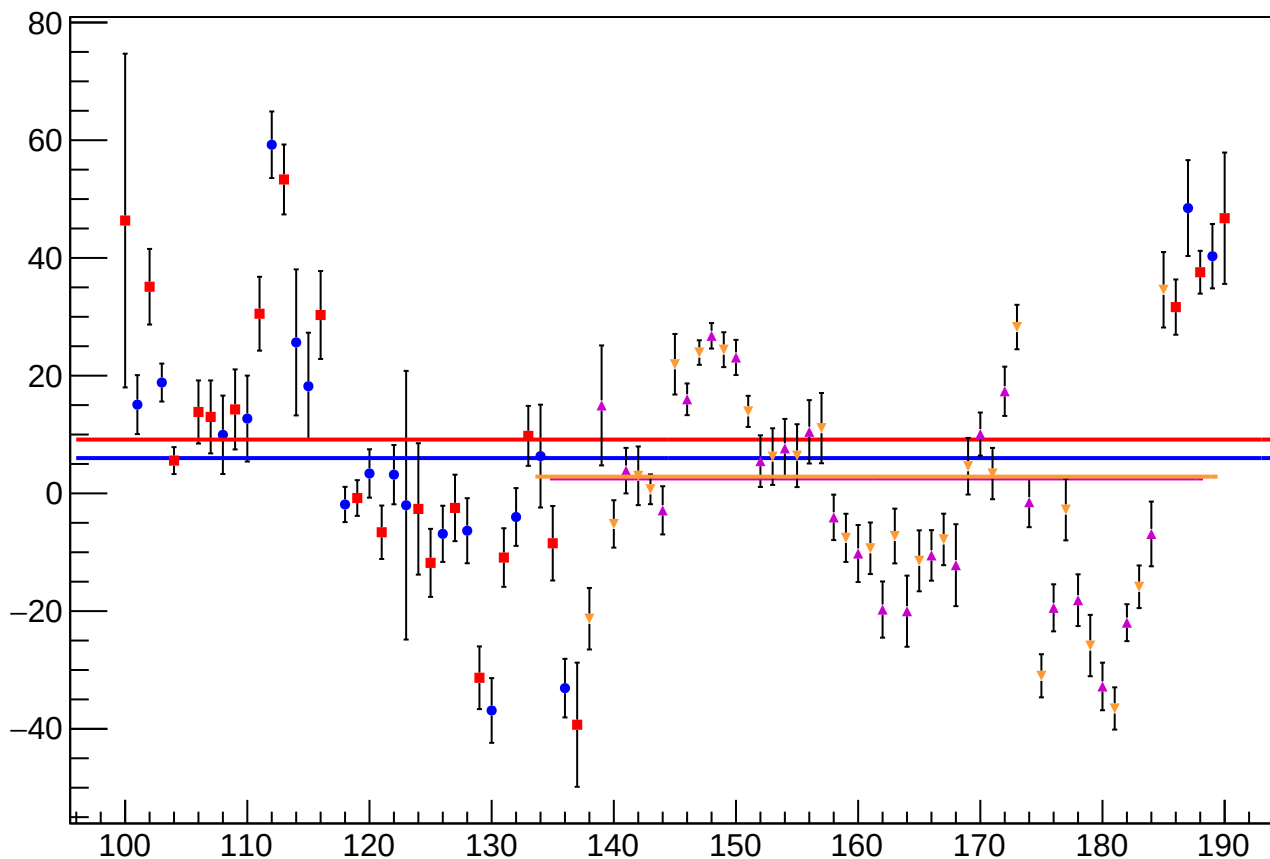
Left In: -217.779 ± 1.067 $\chi^2/\text{NDF}: 3448.9/22$

+ sign -220.912 ± 0.988 $\chi^2/\text{NDF}: 4911.4/26$

All: -231.825 ± 0.685 $\chi^2/\text{NDF}: 11987.4/52$

- sign -241.939 ± 0.951 $\chi^2/\text{NDF}: 6841.0/25$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 5.997 ± 1.201 χ^2/NDF : 326.5/18

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 9.144 ± 1.070 χ^2/NDF : 336.7/21

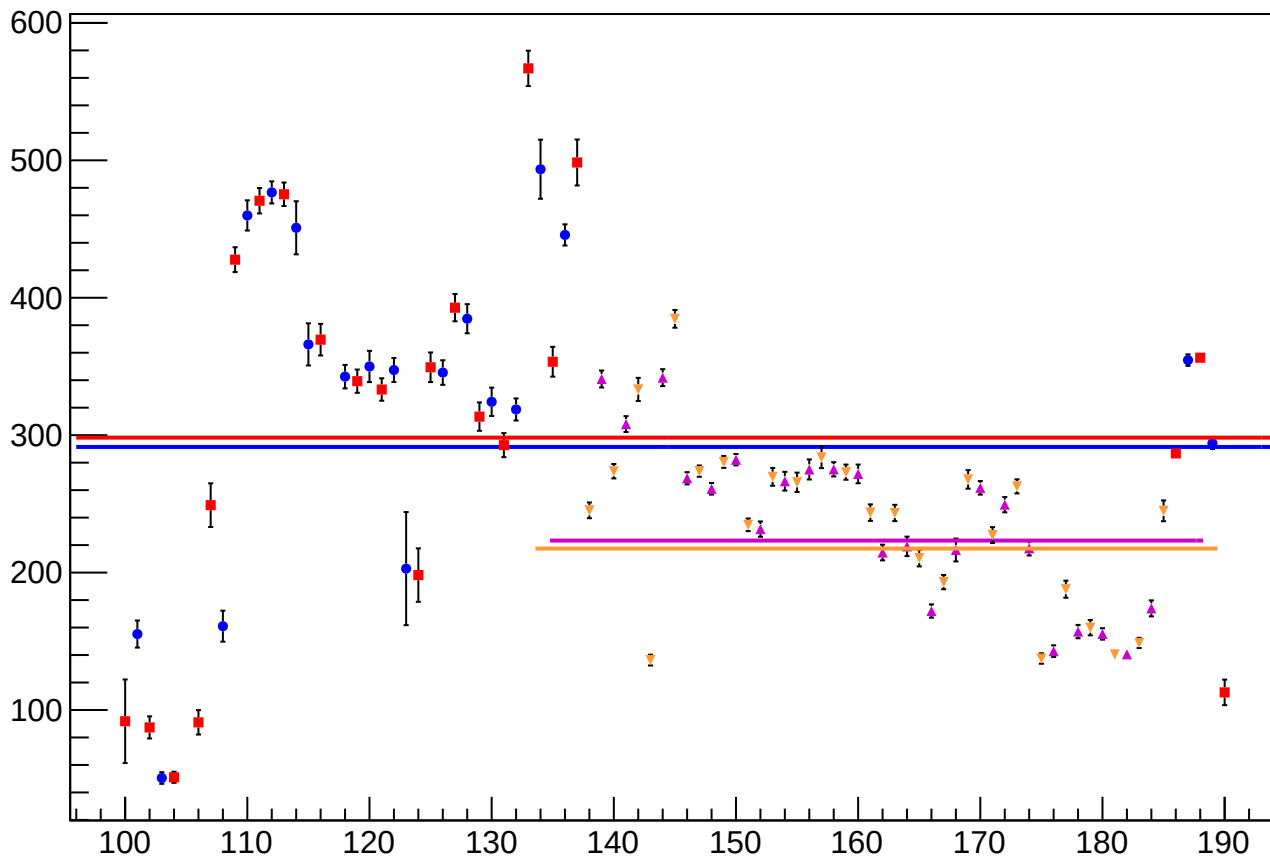
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 3.772 ± 0.651 χ^2/NDF : 913.5/43

All: 4.383 ± 0.461 χ^2/NDF : 1749.5/88

- sign 4.994 ± 0.652 χ^2/NDF : 834.3/44

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 291.441 $\pm$ 1.762 χ^2 /NDF: 5393.3/18

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 298.202 $\pm$ 1.316 χ^2 /NDF: 8029.8/21

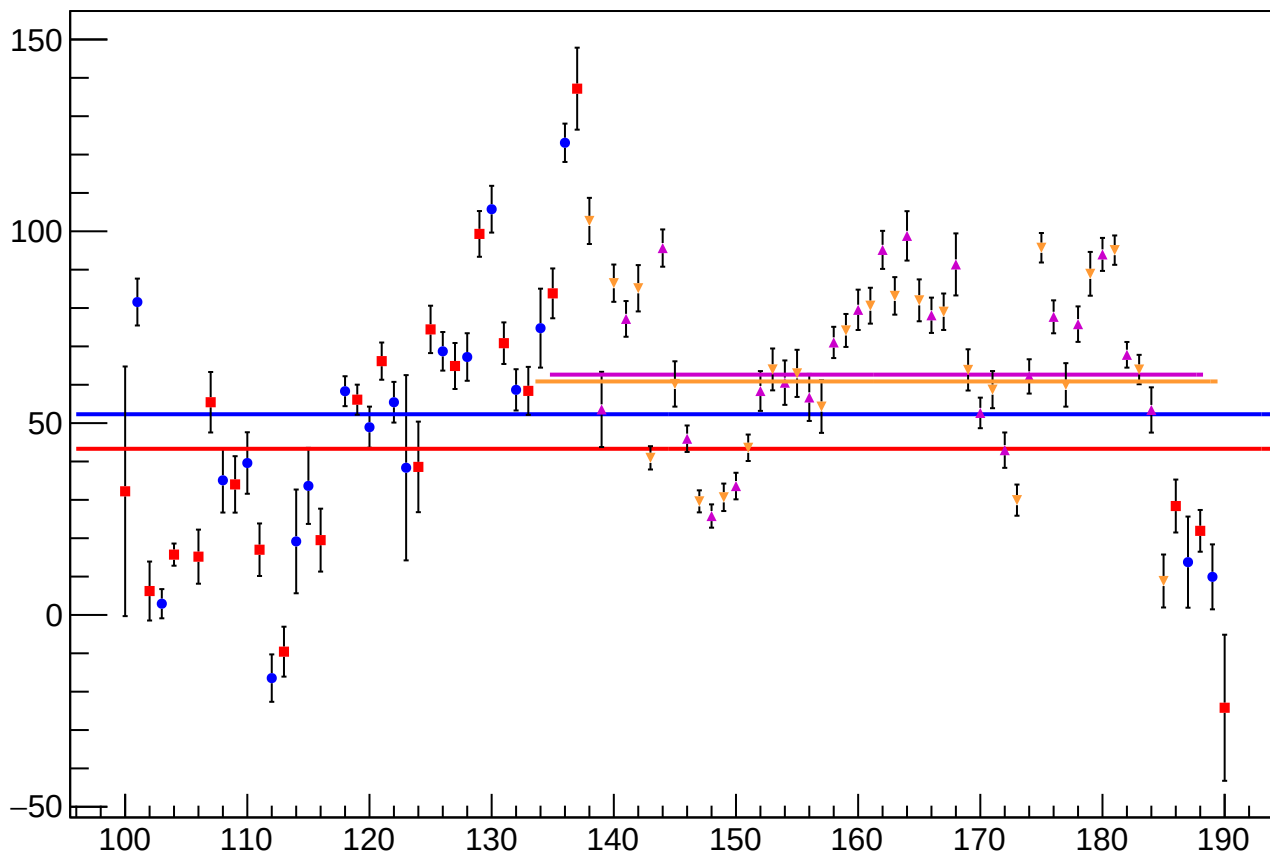
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 236.386 $\pm$ 0.891 χ^2 /NDF: 10474.6/43

All: 245.224 $\pm$ 0.606 χ^2 /NDF: 24026.4/88

- sign 252.833 $\pm$ 0.827 χ^2 /NDF: 13368.7/44

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 52.316 $\pm$ 1.410 χ^2 /NDF: 670.4/18

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 43.309 $\pm$ 1.292 χ^2 /NDF: 563.7/21

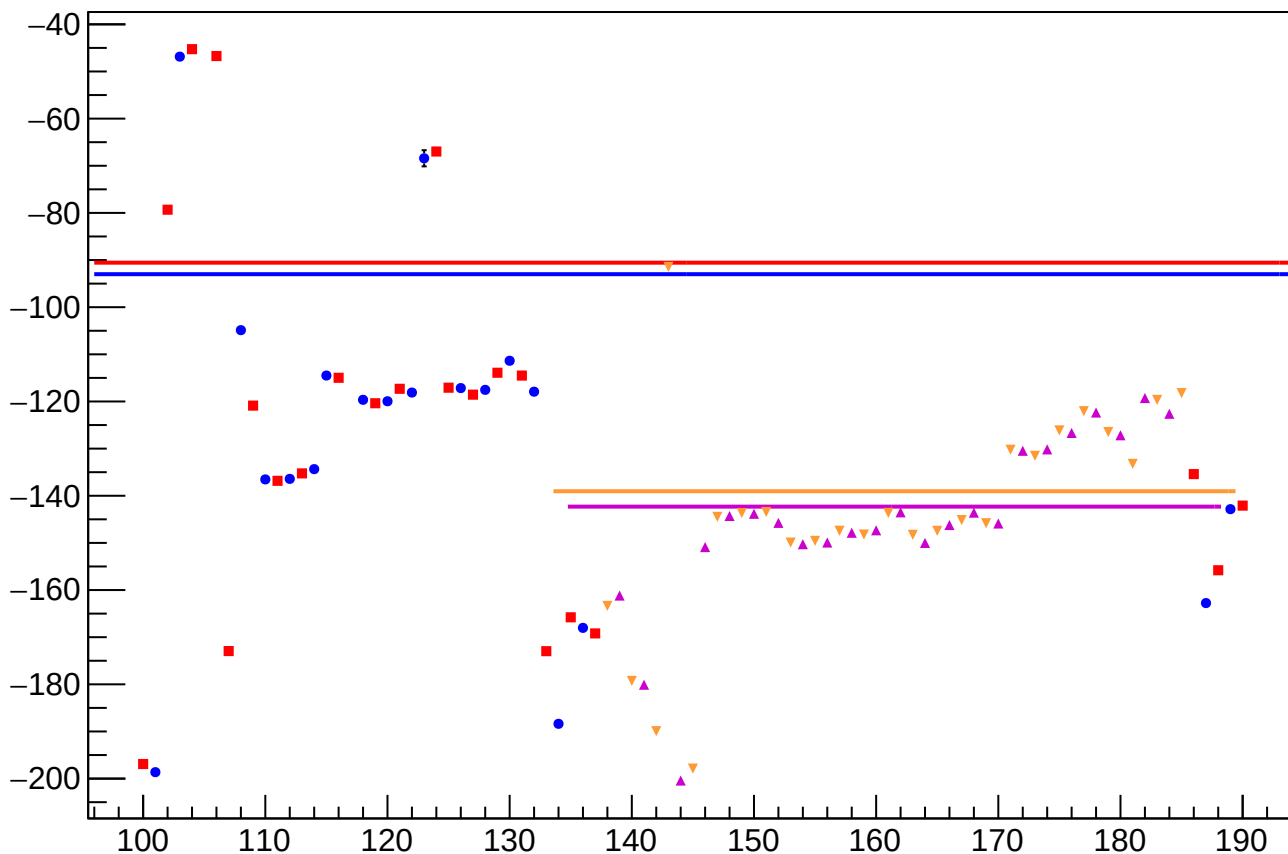
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 58.403 $\pm$ 0.757 χ^2 /NDF: 1428.2/43

All: 57.172 $\pm$ 0.537 χ^2 /NDF: 2658.7/88

- sign 55.925 $\pm$ 0.762 χ^2 /NDF: 1225.1/44

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -92.998+/-0.067 χ^2/NDF : 560653.0/18

Left Out: -139.040+/-0.043 χ^2/NDF : 258113.4/24

Right Out: -90.552+/-0.063 χ^2/NDF : 568788.4/21

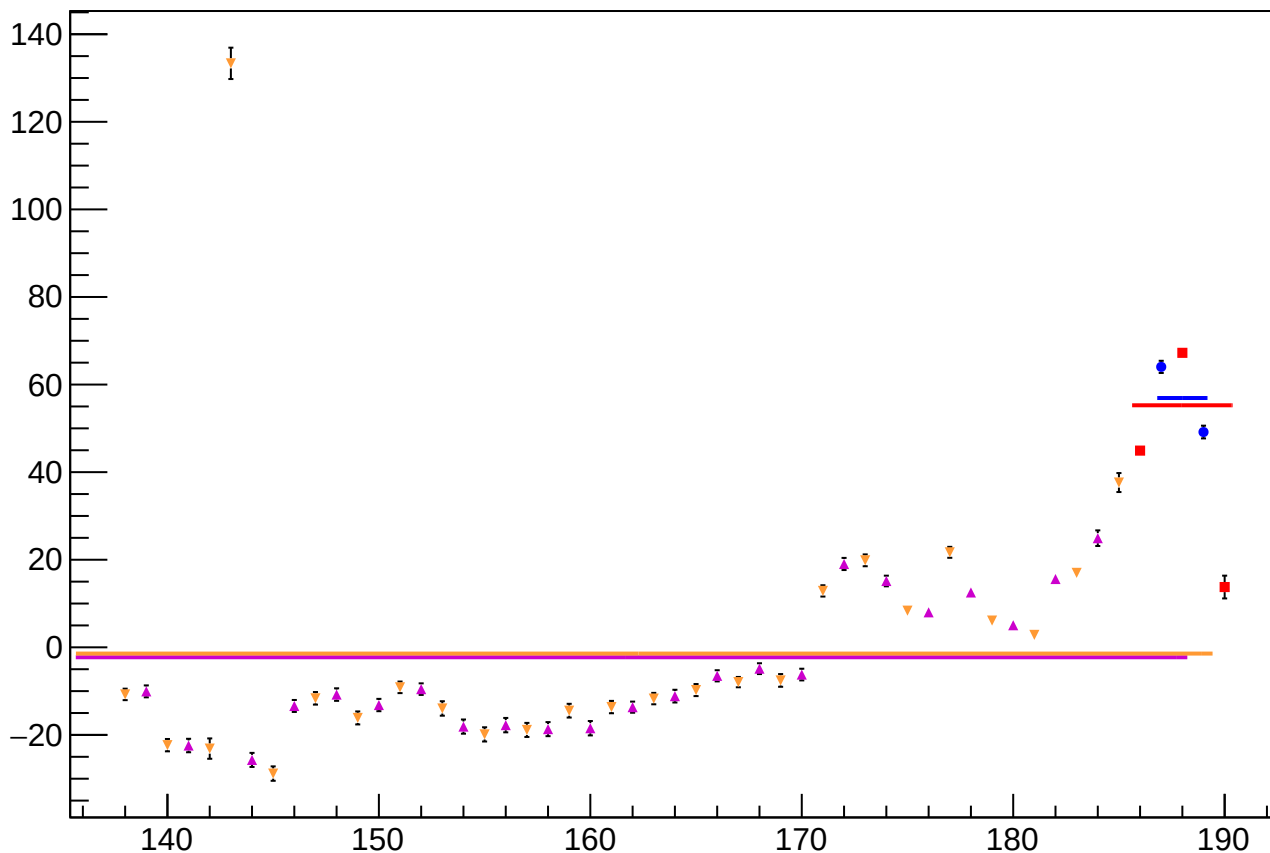
Left In: -142.305+/-0.044 χ^2/NDF : 143351.8/22

+ sign -125.526+/-0.036 χ^2/NDF : 1157332.7/43

All: -125.334+/-0.025 χ^2/NDF : 2326715.0/88

- sign -125.142+/-0.036 χ^2/NDF : 1169325.5/44

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 56.930 $\pm$ 1.007 χ^2 /NDF: 54.5/1

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 55.269 $\pm$ 0.563 χ^2 /NDF: 636.9/2

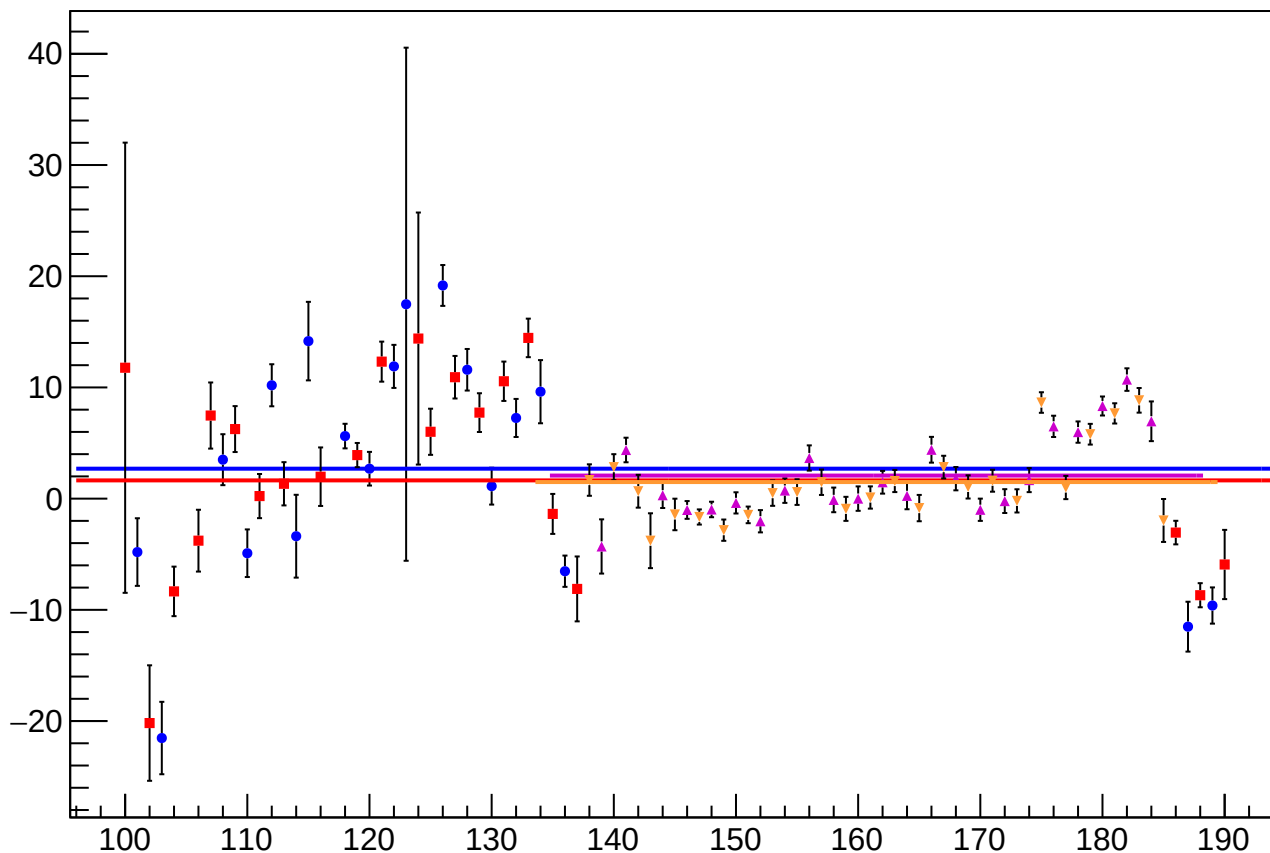
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 2.426 $\pm$ 0.259 χ^2 /NDF: 7533.2/26

All: 5.655 $\pm$ 0.177 χ^2 /NDF: 19463.7/52

- sign 8.529 $\pm$ 0.244 χ^2 /NDF: 11635.9/25

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.694 ± 0.444 $\chi^2/\text{NDF}: 390.4/18$

Left Out: 1.491 ± 0.210 $\chi^2/\text{NDF}: 259.1/24$

Right Out: 1.641 ± 0.398 $\chi^2/\text{NDF}: 342.6/21$

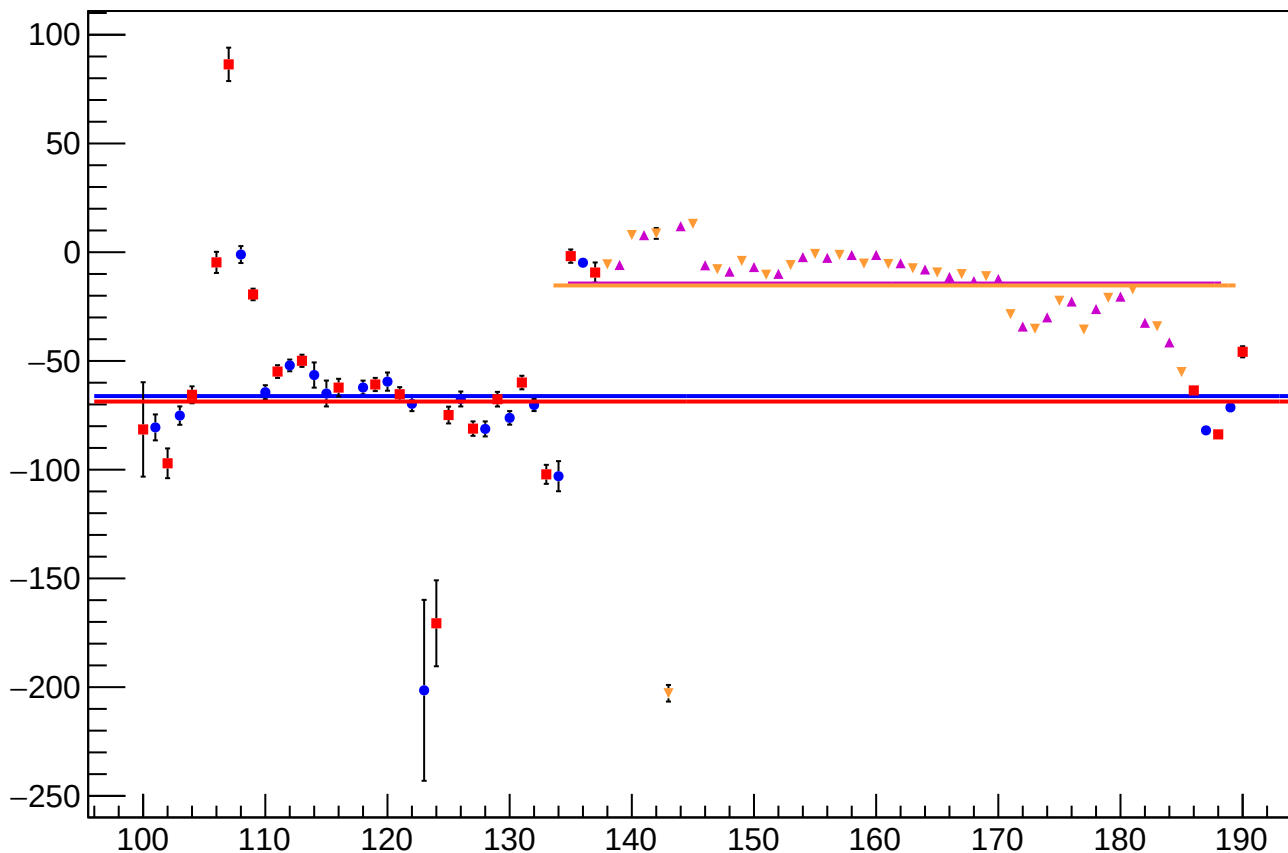
Left In: 2.075 ± 0.215 $\chi^2/\text{NDF}: 274.6/22$

+ sign 1.711 ± 0.190 $\chi^2/\text{NDF}: 655.5/43$

All: 1.844 ± 0.134 $\chi^2/\text{NDF}: 1274.5/88$

- sign 1.976 ± 0.189 $\chi^2/\text{NDF}: 618.1/44$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -66.156 ± 0.602 χ^2/NDF : 1406.5/18

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -68.665 ± 0.402 χ^2/NDF : 2490.2/21

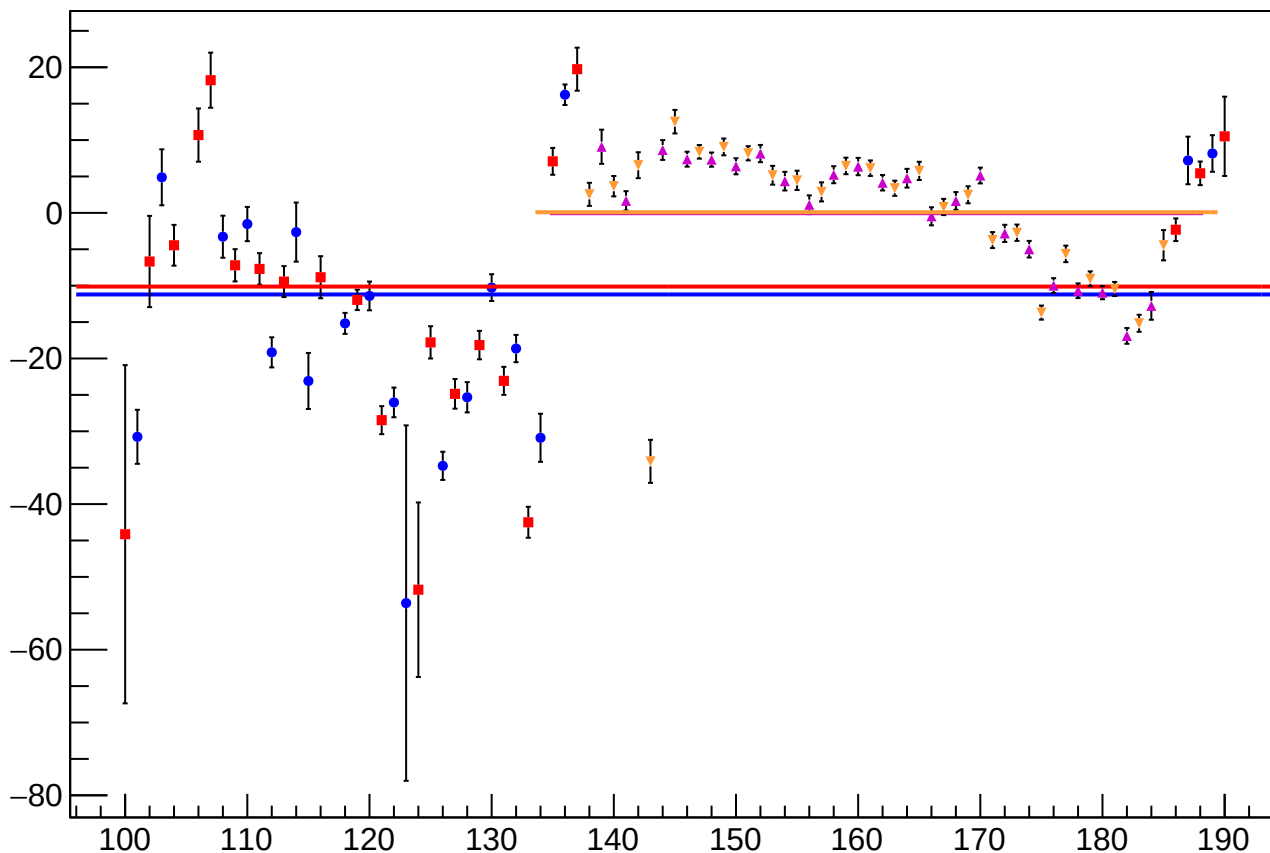
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -23.637 ± 0.244 χ^2/NDF : 12200.8/43

All: -27.732 ± 0.165 χ^2/NDF : 29807.0/88

- sign -31.176 ± 0.224 χ^2/NDF : 17087.4/44

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -11.208 ± 0.519 $\chi^2/\text{NDF}: 877.5/18$

Left Out: 0.087 ± 0.238 $\chi^2/\text{NDF}: 1172.3/24$

Right Out: -10.123 ± 0.484 $\chi^2/\text{NDF}: 881.8/21$

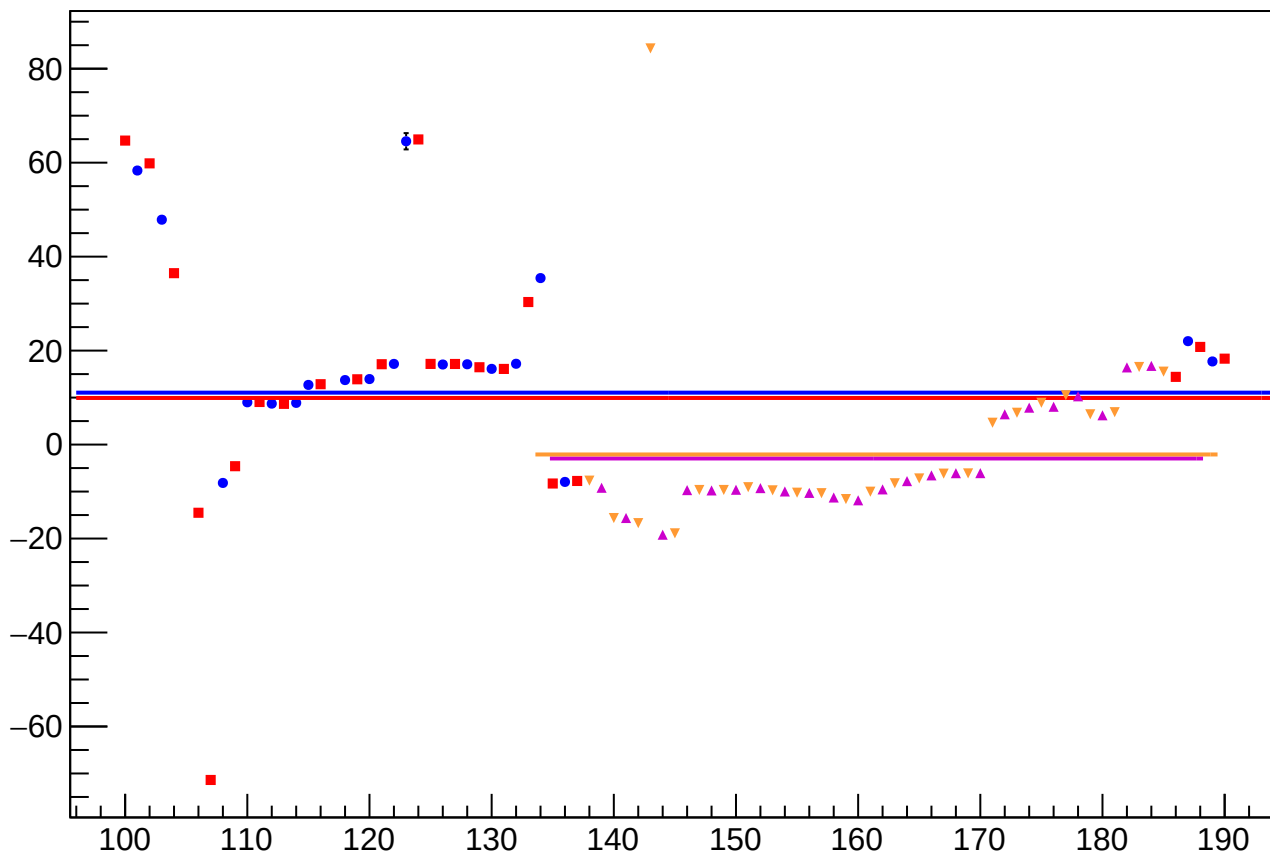
Left In: -0.044 ± 0.243 $\chi^2/\text{NDF}: 1028.2/22$

+ sign -1.879 ± 0.217 $\chi^2/\text{NDF}: 2440.9/43$

All: -1.977 ± 0.153 $\chi^2/\text{NDF}: 4698.1/88$

- sign -2.077 ± 0.217 $\chi^2/\text{NDF}: 2256.8/44$

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 11.053+/-0.029 χ^2 /NDF: 387894.0/18

Left Out: -2.105+/-0.011 χ^2 /NDF: 1093120.2/24

Right Out: 9.921+/-0.028 χ^2 /NDF: 569529.8/21

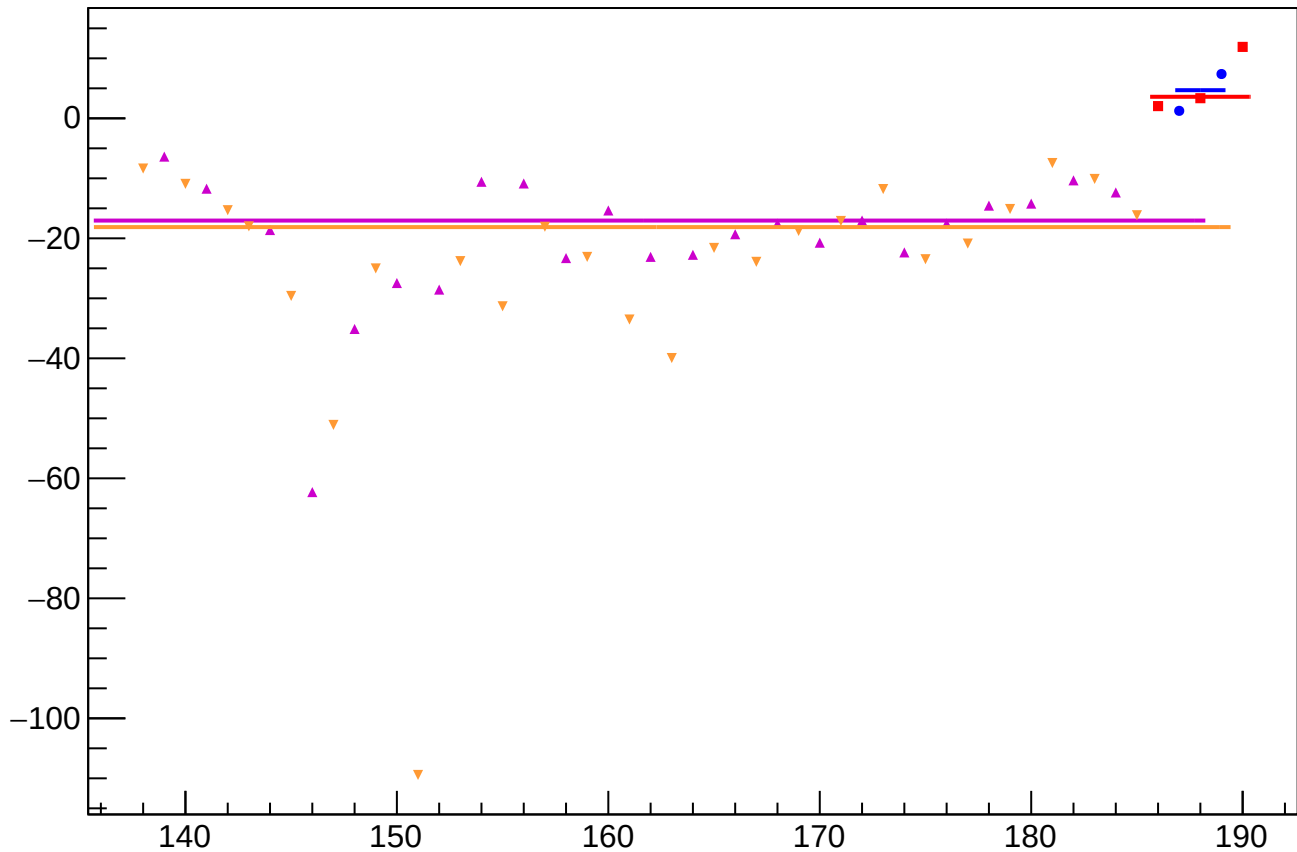
Left In: -2.959+/-0.011 χ^2 /NDF: 763000.9/22

+ sign -0.508+/-0.010 χ^2 /NDF: 1657208.5/43

All: -0.873+/-0.007 χ^2 /NDF: 3175463.0/88

- sign -1.238+/-0.010 χ^2 /NDF: 1515712.6/44

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 4.692 ± 0.187 $\chi^2/\text{NDF}: 266.5/1$

Left Out: -18.128 ± 0.039 $\chi^2/\text{NDF}: 88551.6/24$

Right Out: 3.593 ± 0.093 $\chi^2/\text{NDF}: 572.3/2$

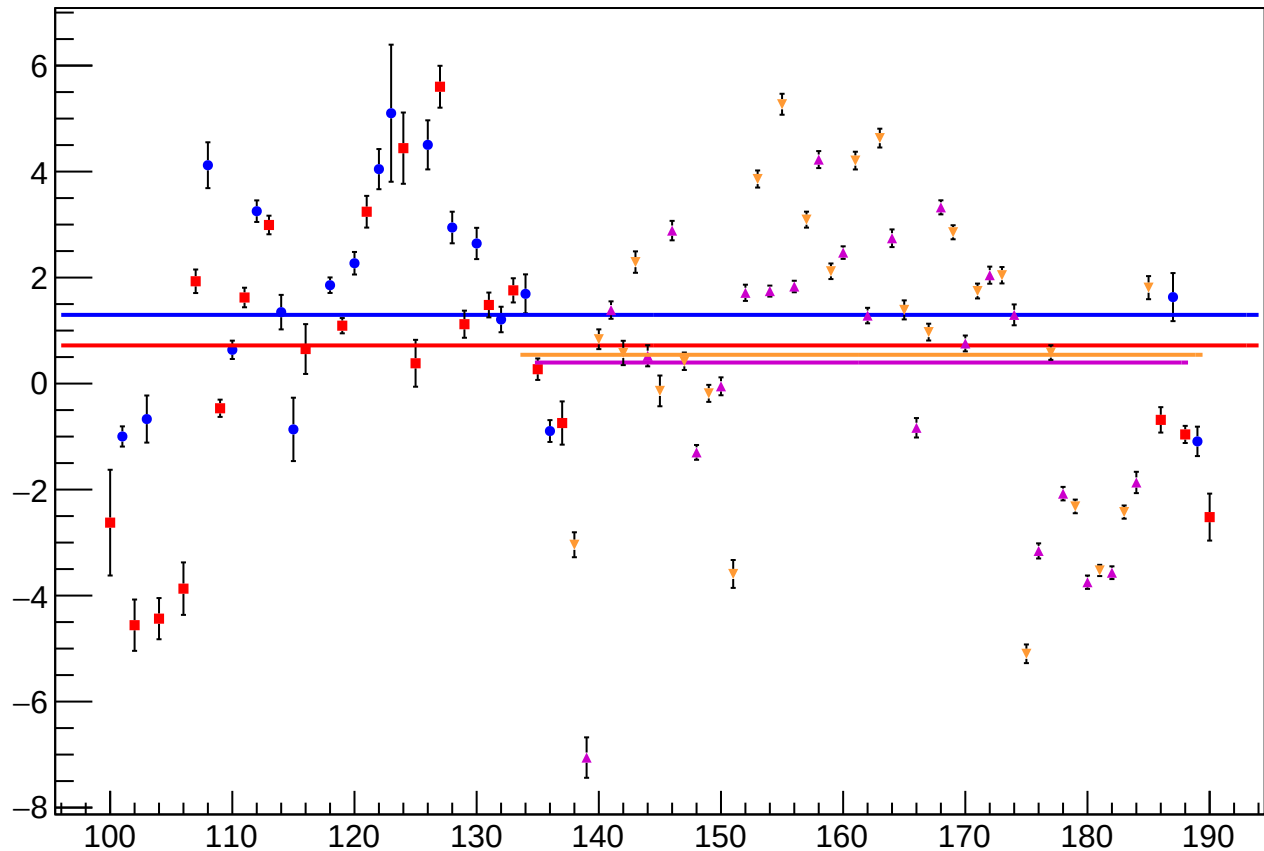
Left In: -17.038 ± 0.038 $\chi^2/\text{NDF}: 44141.1/22$

+ sign -17.177 ± 0.038 $\chi^2/\text{NDF}: 103147.0/26$

All: -15.500 ± 0.026 $\chi^2/\text{NDF}: 193668.8/52$

- sign -14.060 ± 0.035 $\chi^2/\text{NDF}: 86919.9/25$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.296 ± 0.060 $\chi^2/\text{NDF}: 712.4/18$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.720 ± 0.053 $\chi^2/\text{NDF}: 1175.4/21$

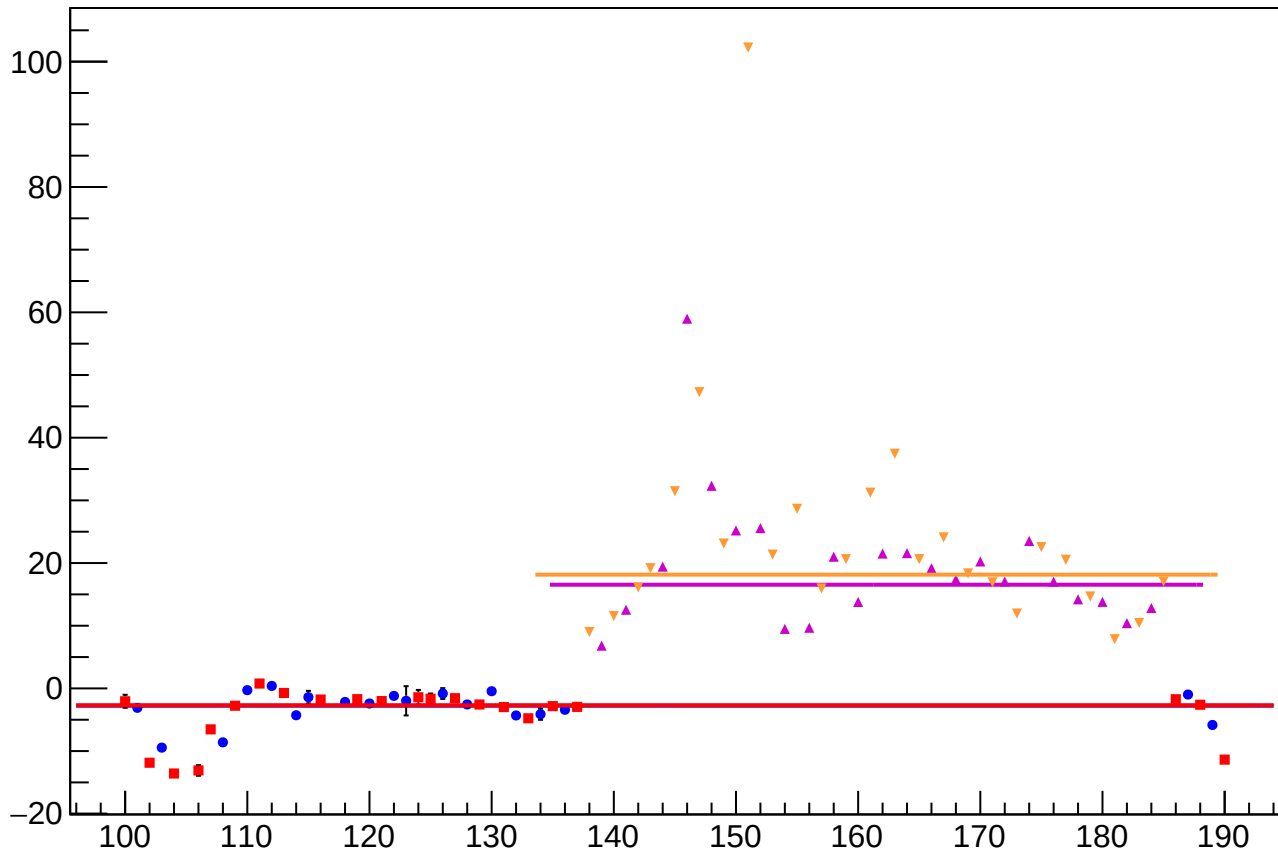
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.713 ± 0.028 $\chi^2/\text{NDF}: 7919.5/43$

All: 0.587 ± 0.019 $\chi^2/\text{NDF}: 15394.6/88$

- sign 0.478 ± 0.027 $\chi^2/\text{NDF}: 7438.9/44$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.750 ± 0.091 χ^2/NDF : 739.5/18

Left Out: 18.150 ± 0.039 χ^2/NDF : 77847.8/24

Right Out: -2.706 ± 0.060 χ^2/NDF : 1502.8/21

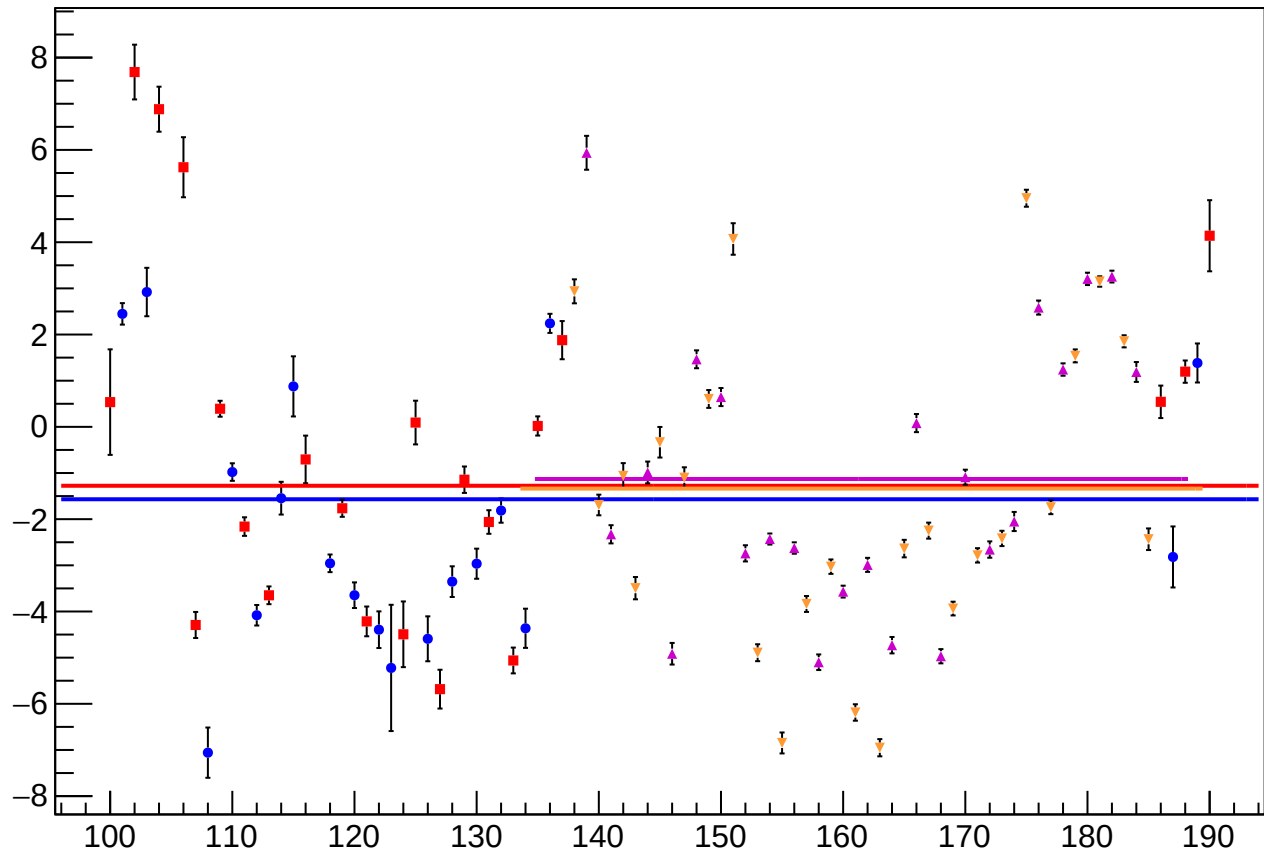
Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

+ sign 14.871 ± 0.036 χ^2/NDF : 123435.0/43

All: 12.759 ± 0.024 χ^2/NDF : 245676.4/88

- sign 11.085 ± 0.032 χ^2/NDF : 116039.3/44

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.569 ± 0.070 χ^2/NDF : 1311.8/18

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -1.276 ± 0.062 χ^2/NDF : 1703.7/21

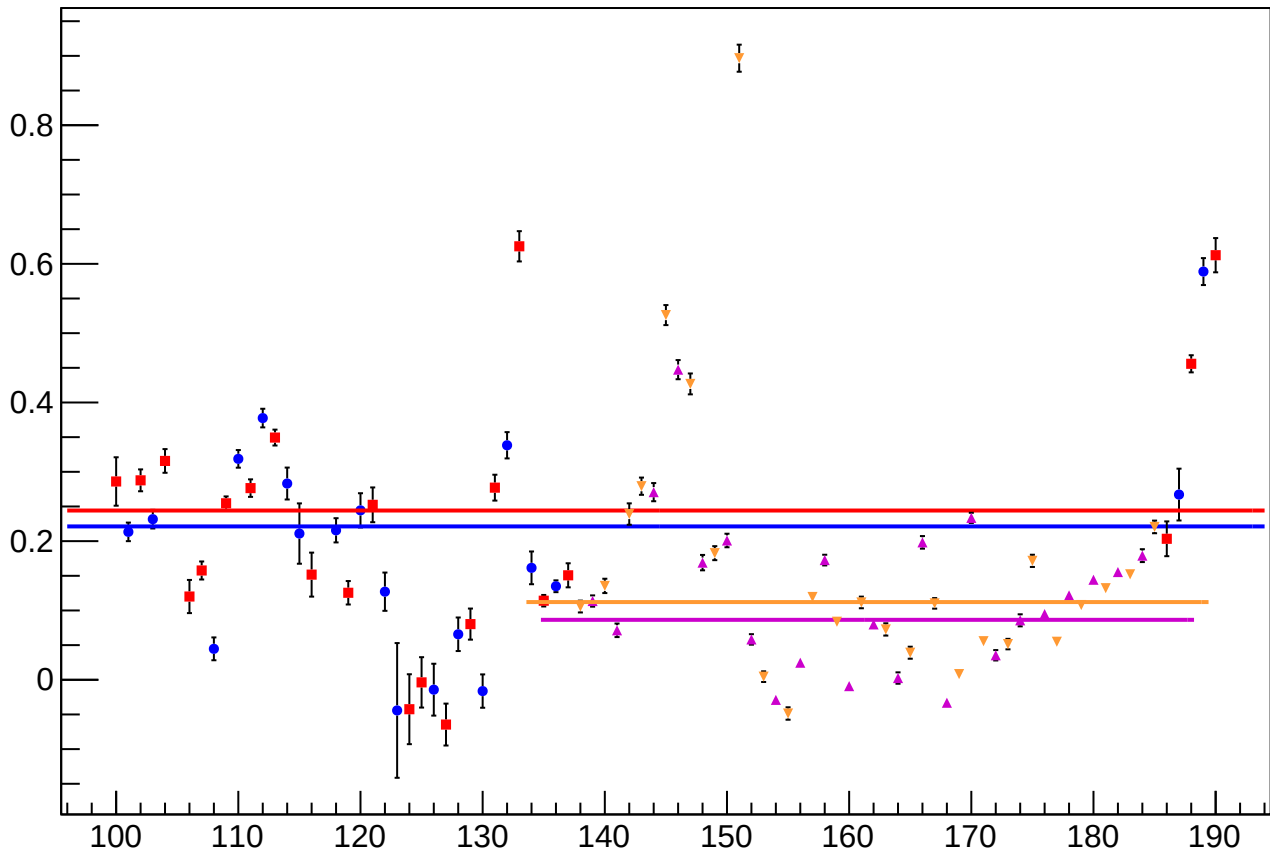
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.386 ± 0.032 χ^2/NDF : 9263.5/43

All: -1.267 ± 0.022 χ^2/NDF : 17737.5/88

- sign -1.163 ± 0.030 χ^2/NDF : 8448.2/44

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.221 ± 0.004 $\chi^2/\text{NDF}: 1022.5/18$

Left Out: 0.112 ± 0.002 $\chi^2/\text{NDF}: 4503.9/24$

Right Out: 0.244 ± 0.003 $\chi^2/\text{NDF}: 1584.9/21$

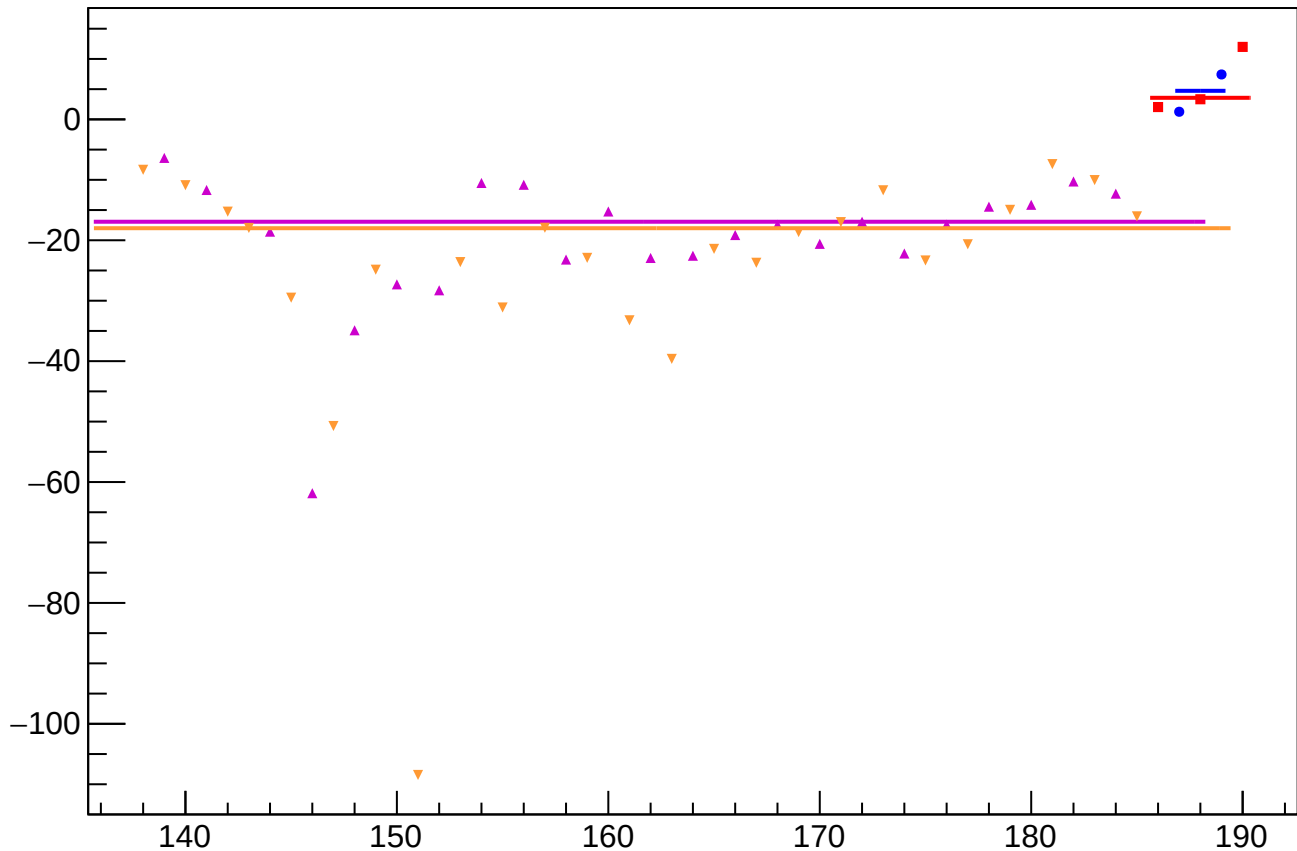
Left In: 0.087 ± 0.002 $\chi^2/\text{NDF}: 3655.4/22$

+ sign 0.127 ± 0.001 $\chi^2/\text{NDF}: 6155.8/43$

All: 0.119 ± 0.001 $\chi^2/\text{NDF}: 13191.5/88$

- sign 0.111 ± 0.001 $\chi^2/\text{NDF}: 6976.6/44$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 4.727 ± 0.186 χ^2/NDF : 271.4/1

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 3.570 ± 0.092 χ^2/NDF : 588.9/2

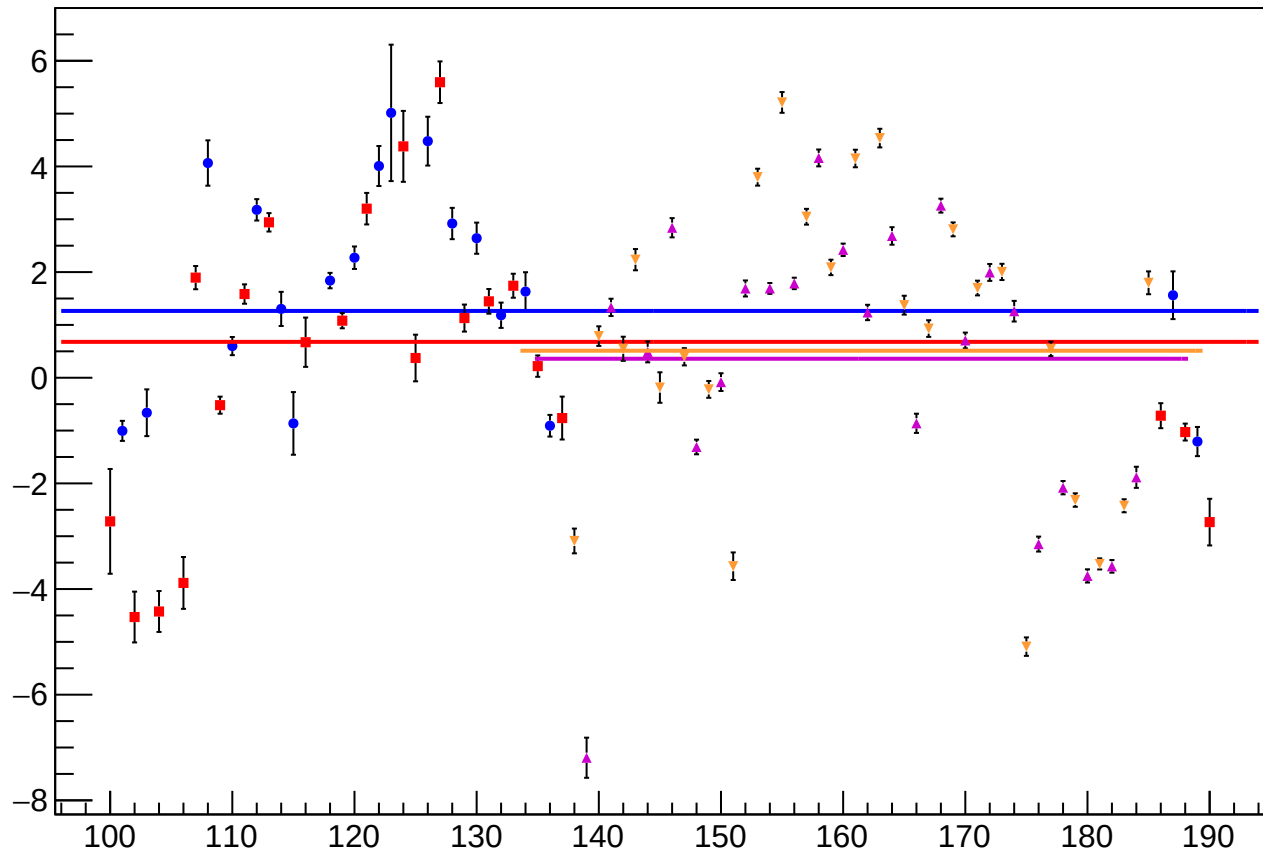
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -17.063 ± 0.038 χ^2/NDF : 103000.2/26

All: -15.387 ± 0.026 χ^2/NDF : 193896.5/52

- sign -13.949 ± 0.035 χ^2/NDF : 87249.7/25

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.265 $\pm$ 0.060 χ^2/NDF : 716.4/18

Left Out: 0.511 $\pm$ 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.679 $\pm$ 0.053 χ^2/NDF : 1195.2/21

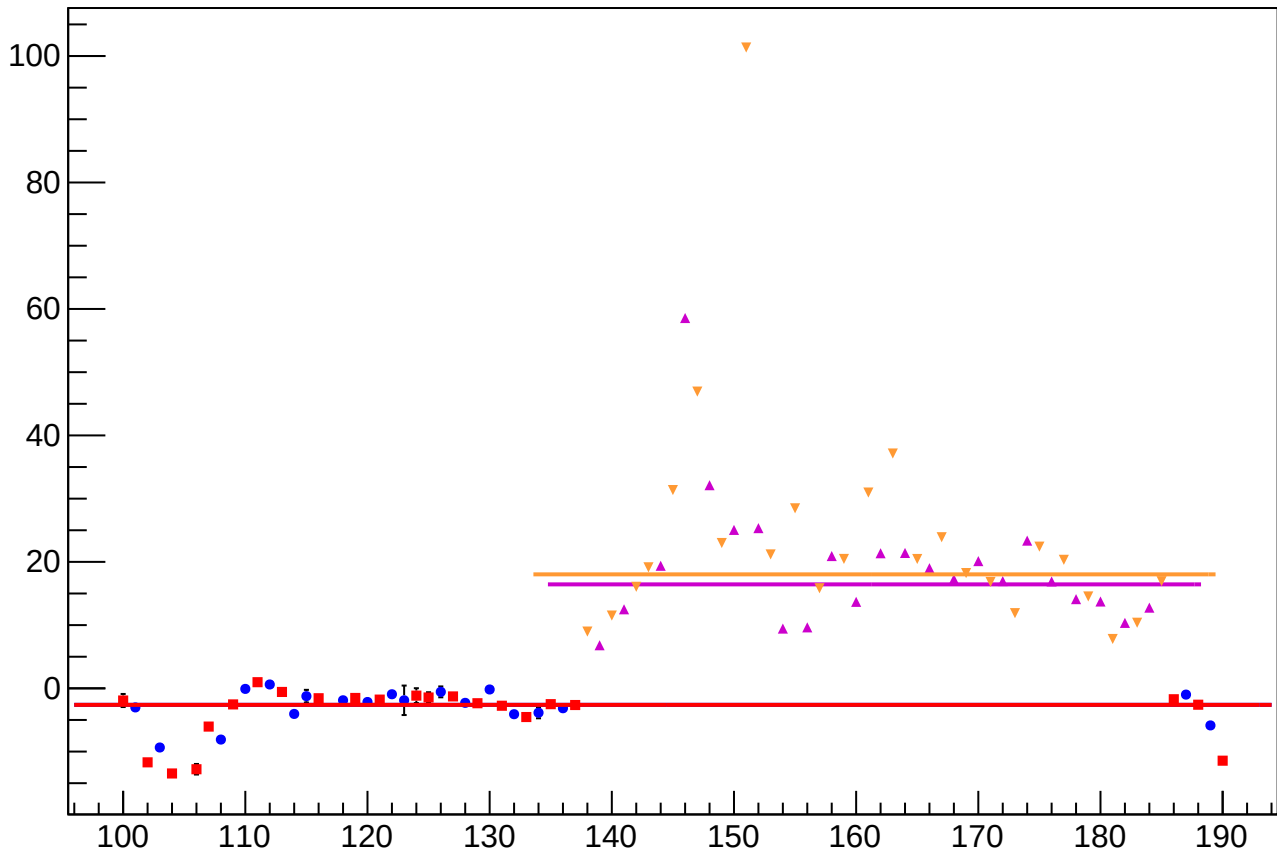
Left In: 0.360 $\pm$ 0.031 χ^2/NDF : 6221.1/22

+ sign 0.681 $\pm$ 0.028 χ^2/NDF : 7910.0/43

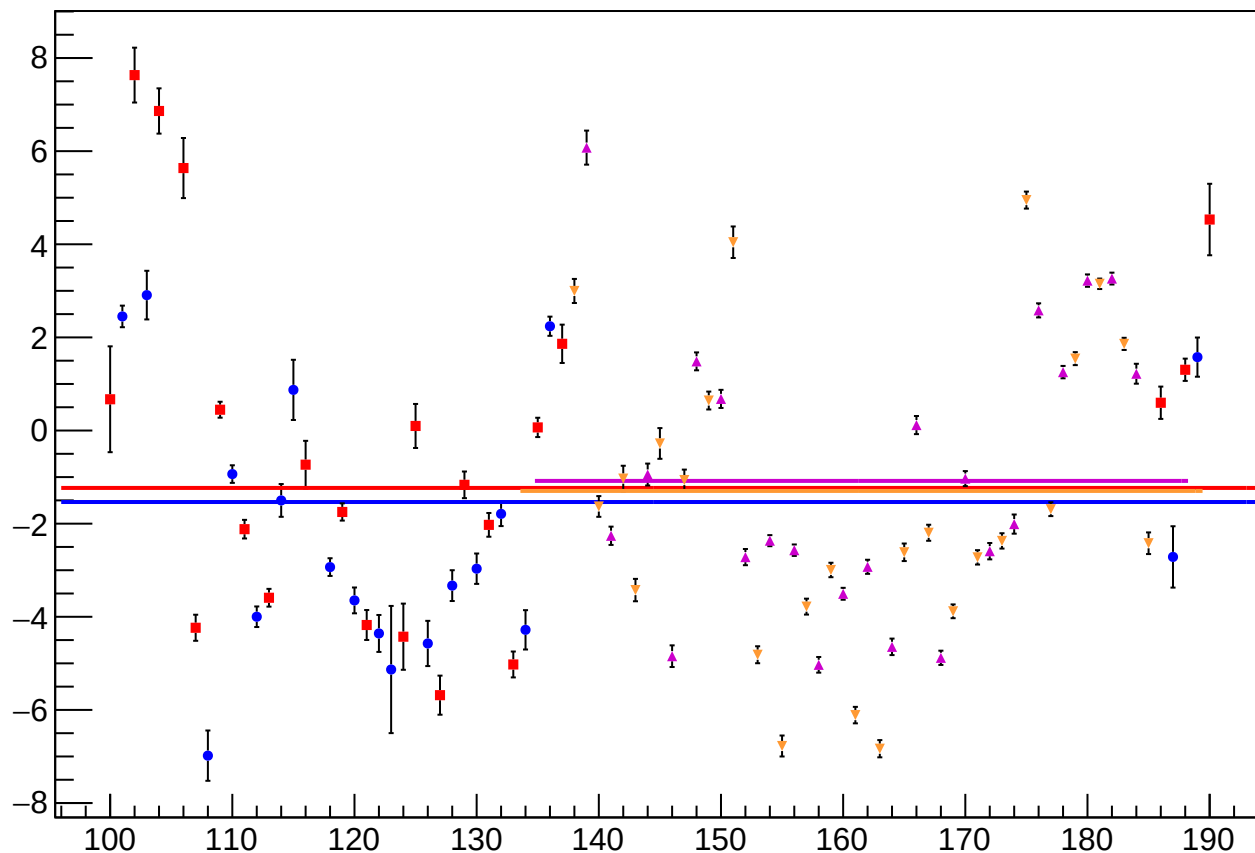
All: 0.552 $\pm$ 0.019 χ^2/NDF : 15392.6/88

- sign 0.440 $\pm$ 0.026 χ^2/NDF : 7444.0/44

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.535 ± 0.070 χ^2/NDF : 1312.2/18

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -1.233 ± 0.062 χ^2/NDF : 1725.3/21

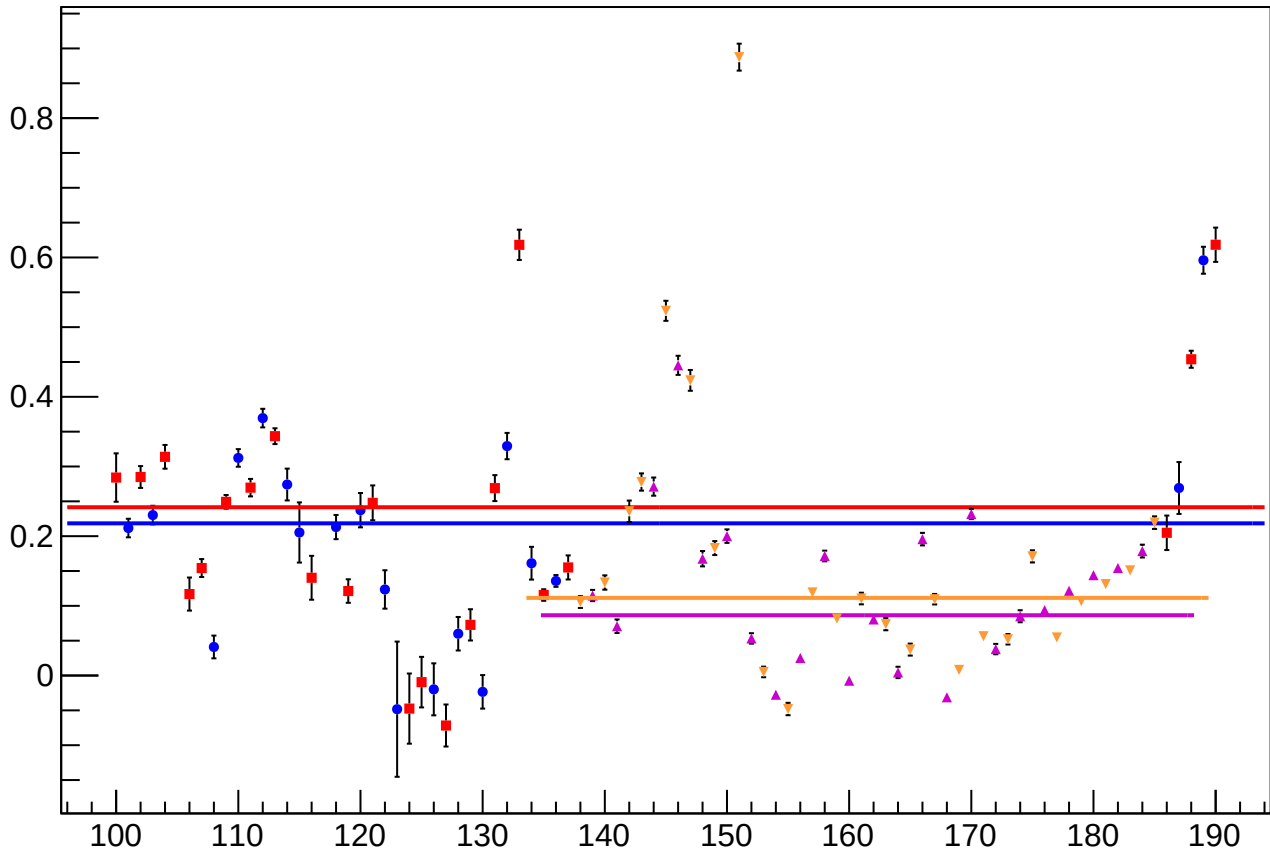
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.347 ± 0.032 χ^2/NDF : 9246.6/43

All: -1.224 ± 0.022 χ^2/NDF : 17728.5/88

- sign -1.117 ± 0.030 χ^2/NDF : 8453.9/44

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



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: 0.242 ± 0.003 $\chi^2/\text{NDF}: 1590.0/21$

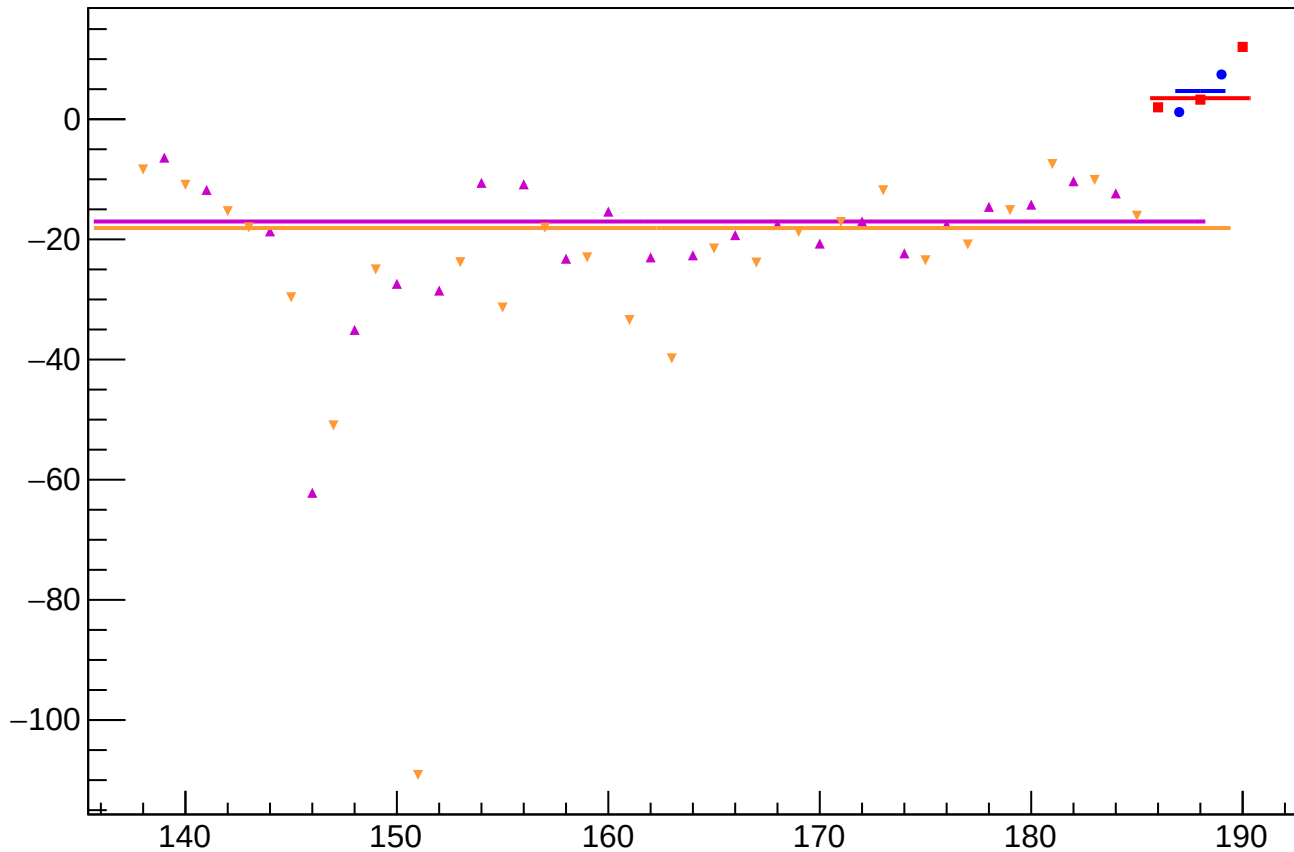
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3625.5/22$

+ sign 0.126 ± 0.001 $\chi^2/\text{NDF}: 6138.9/43$

All: 0.118 ± 0.001 $\chi^2/\text{NDF}: 13107.0/88$

- sign 0.111 ± 0.001 $\chi^2/\text{NDF}: 6912.7/44$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 4.695 ± 0.187 χ^2/NDF : 276.9/1

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 3.504 ± 0.092 χ^2/NDF : 600.0/2

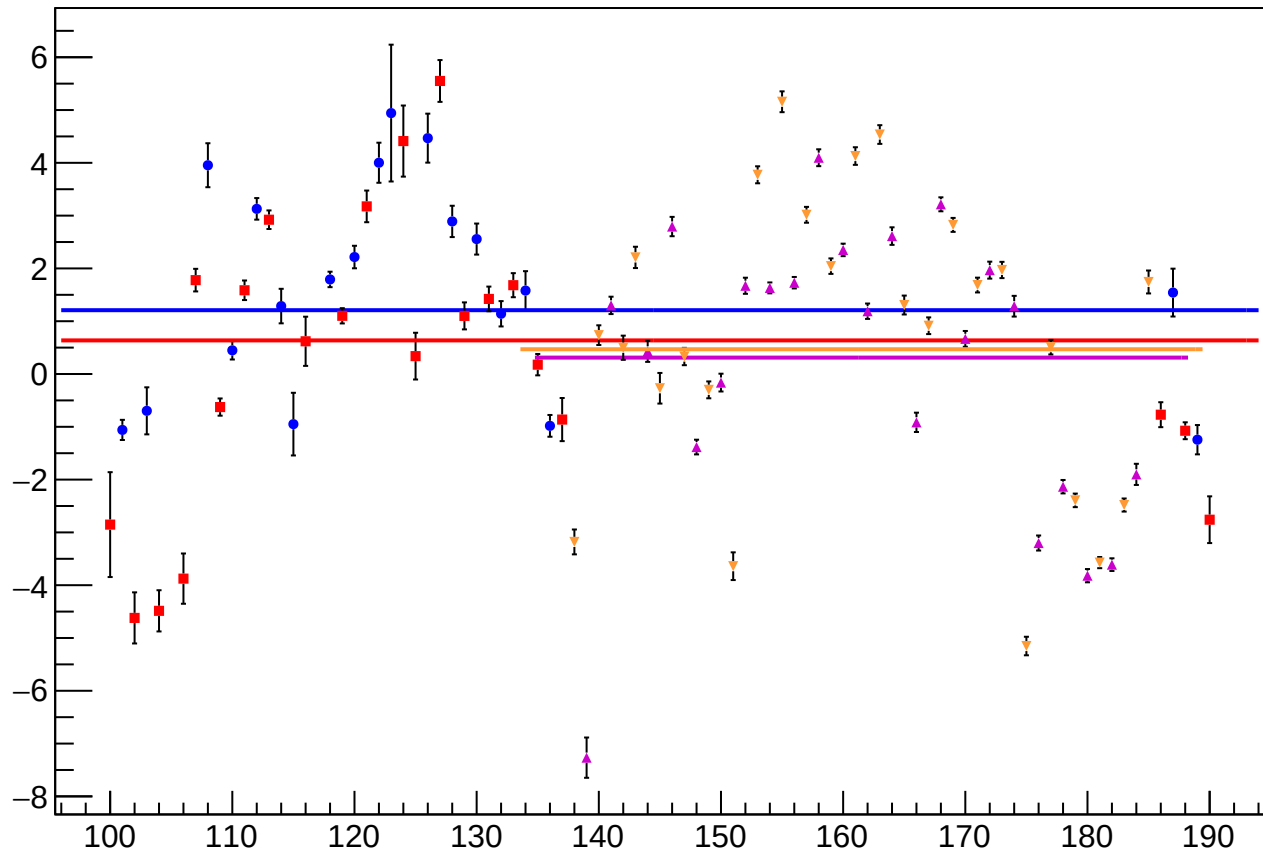
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -17.167 ± 0.038 χ^2/NDF : 103126.1/26

All: -15.465 ± 0.026 χ^2/NDF : 194352.1/52

- sign -14.008 ± 0.035 χ^2/NDF : 87500.6/25

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.209 $\pm$ 0.060 χ^2/NDF : 719.3/18

Left Out: 0.469 $\pm$ 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.637 $\pm$ 0.053 χ^2/NDF : 1206.8/21

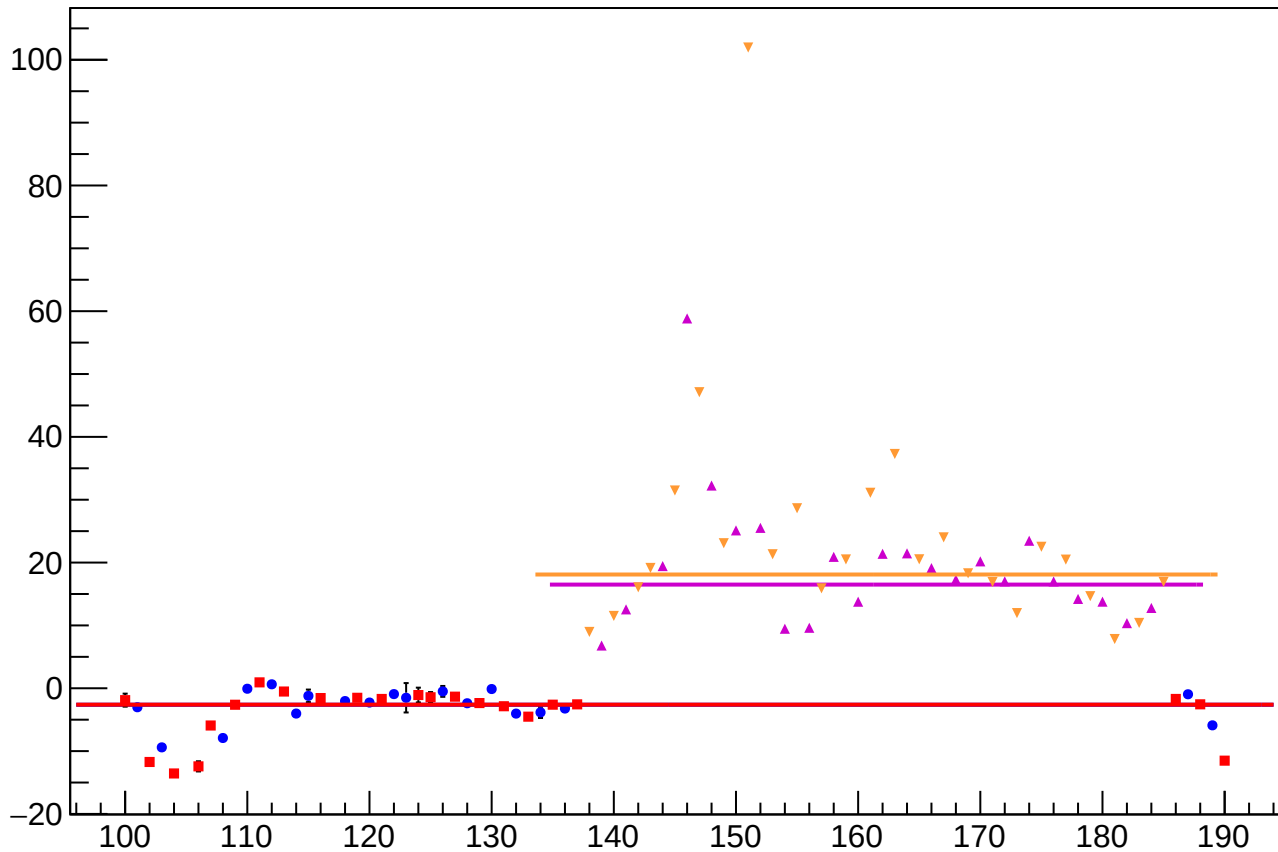
Left In: 0.311 $\pm$ 0.031 χ^2/NDF : 6183.1/22

+ sign 0.635 $\pm$ 0.028 χ^2/NDF : 7930.0/43

All: 0.505 $\pm$ 0.019 χ^2/NDF : 15387.3/88

- sign 0.393 $\pm$ 0.026 χ^2/NDF : 7418.5/44

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.626 ± 0.091 χ^2/NDF : 767.6/18

Left Out: 18.101 ± 0.039 χ^2/NDF : 77839.7/24

Right Out: -2.609 ± 0.060 χ^2/NDF : 1532.2/21

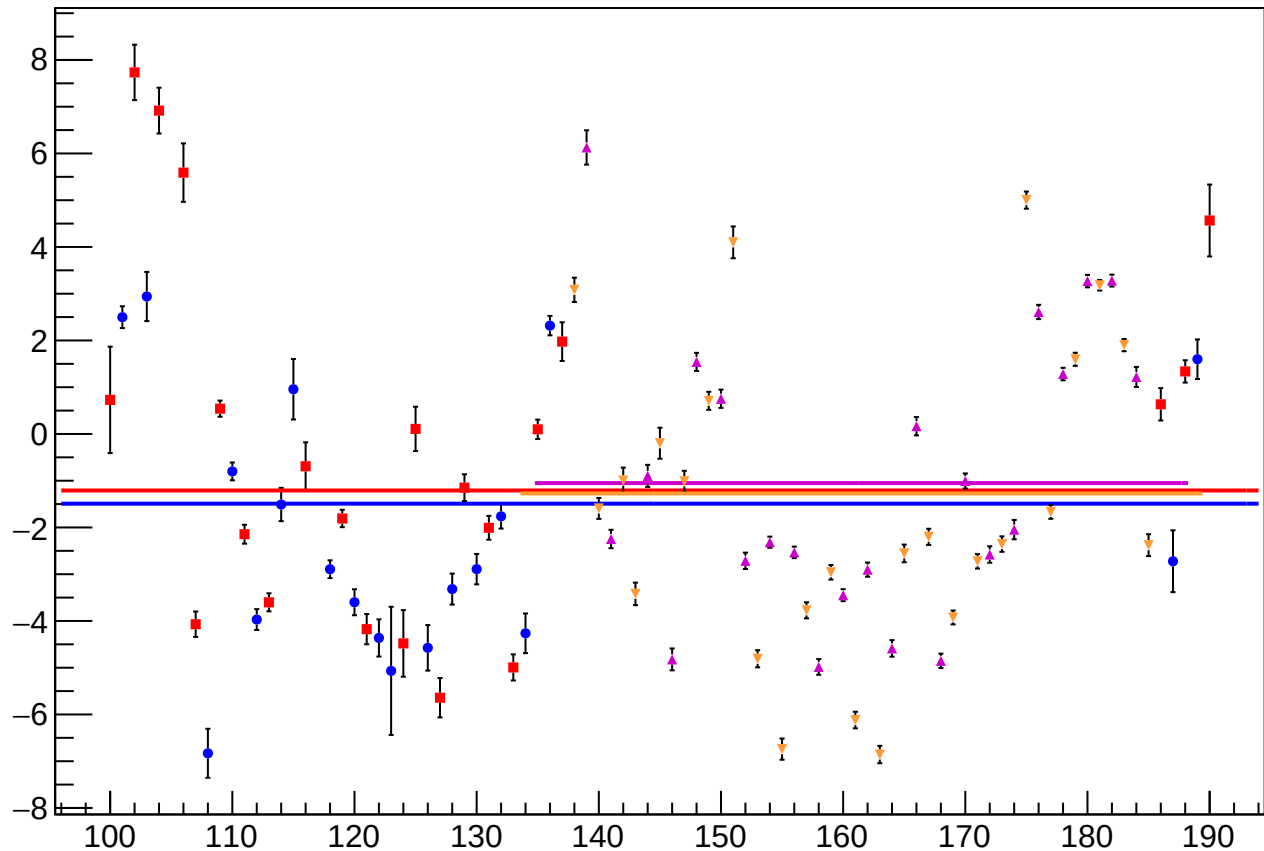
Left In: 16.496 ± 0.038 χ^2/NDF : 40867.3/22

+ sign 14.864 ± 0.036 χ^2/NDF : 122736.8/43

All: 12.724 ± 0.024 χ^2/NDF : 245113.8/88

- sign 11.035 ± 0.032 χ^2/NDF : 115986.2/44

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



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: -1.209 ± 0.062 χ^2/NDF : 1737.9/21

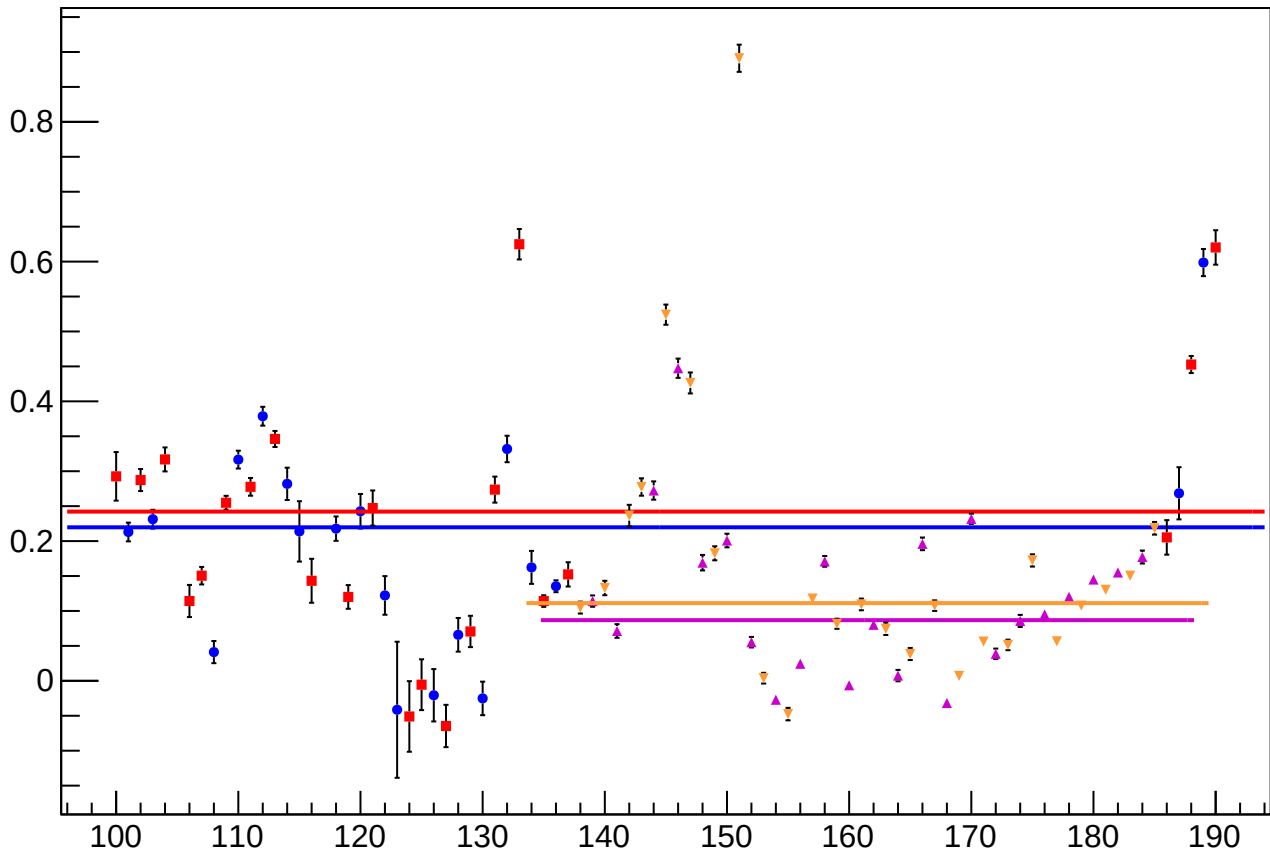
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.318 ± 0.032 χ^2/NDF : 9275.4/43

All: -1.195 ± 0.022 χ^2/NDF : 17719.7/88

- sign -1.087 ± 0.030 χ^2/NDF : 8416.3/44

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.220 ± 0.004 χ^2/NDF : 1059.0/18

Left Out: 0.111 ± 0.002 χ^2/NDF : 4474.5/24

Right Out: 0.242 ± 0.003 χ^2/NDF : 1617.6/21

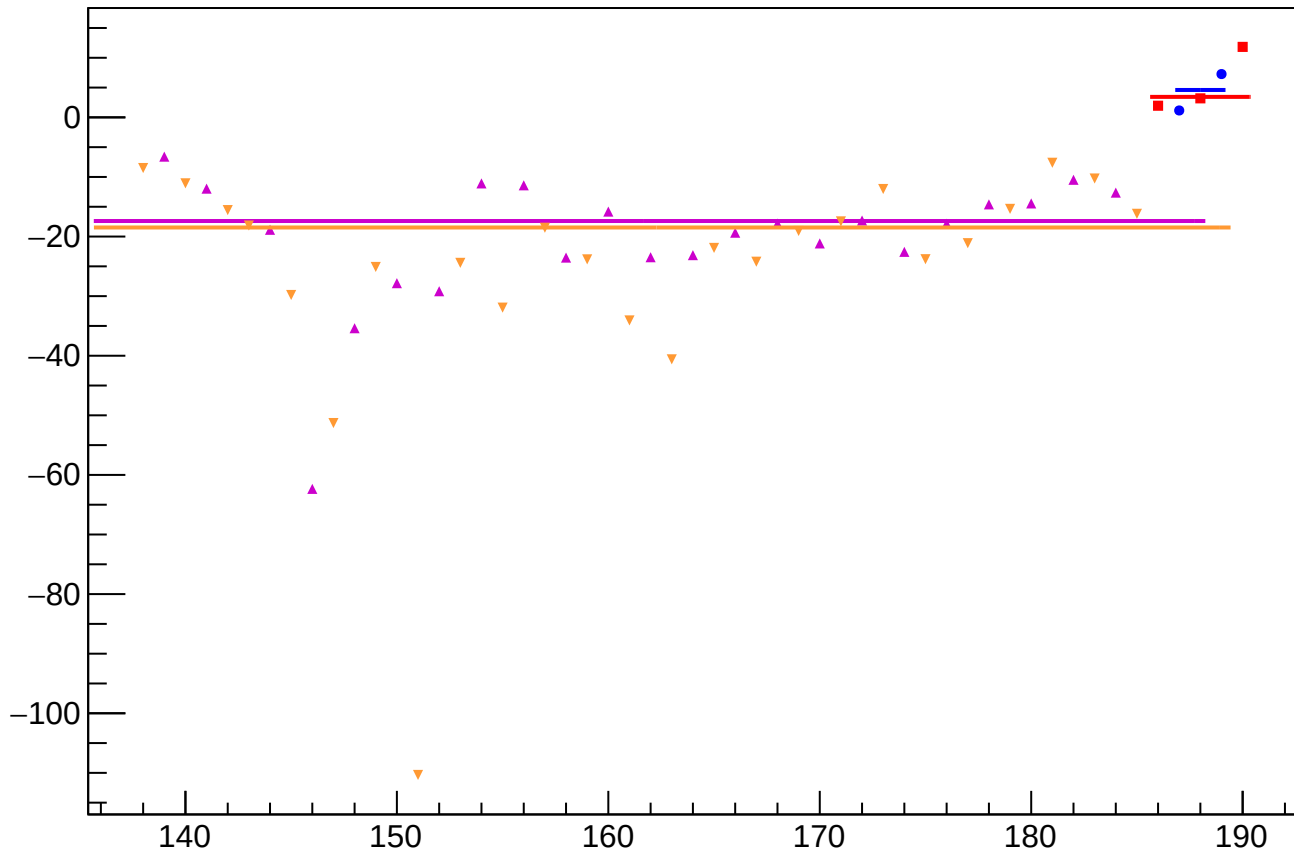
Left In: 0.087 ± 0.001 χ^2/NDF : 3598.5/22

+ sign 0.126 ± 0.001 χ^2/NDF : 6157.3/43

All: 0.118 ± 0.001 χ^2/NDF : 13124.2/88

- sign 0.111 ± 0.001 χ^2/NDF : 6915.0/44

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 4.598 ± 0.187 $\chi^2/\text{NDF}: 261.9/1$

Left Out: -18.479 ± 0.040 $\chi^2/\text{NDF}: 87883.4/24$

Right Out: 3.439 ± 0.092 $\chi^2/\text{NDF}: 574.9/2$

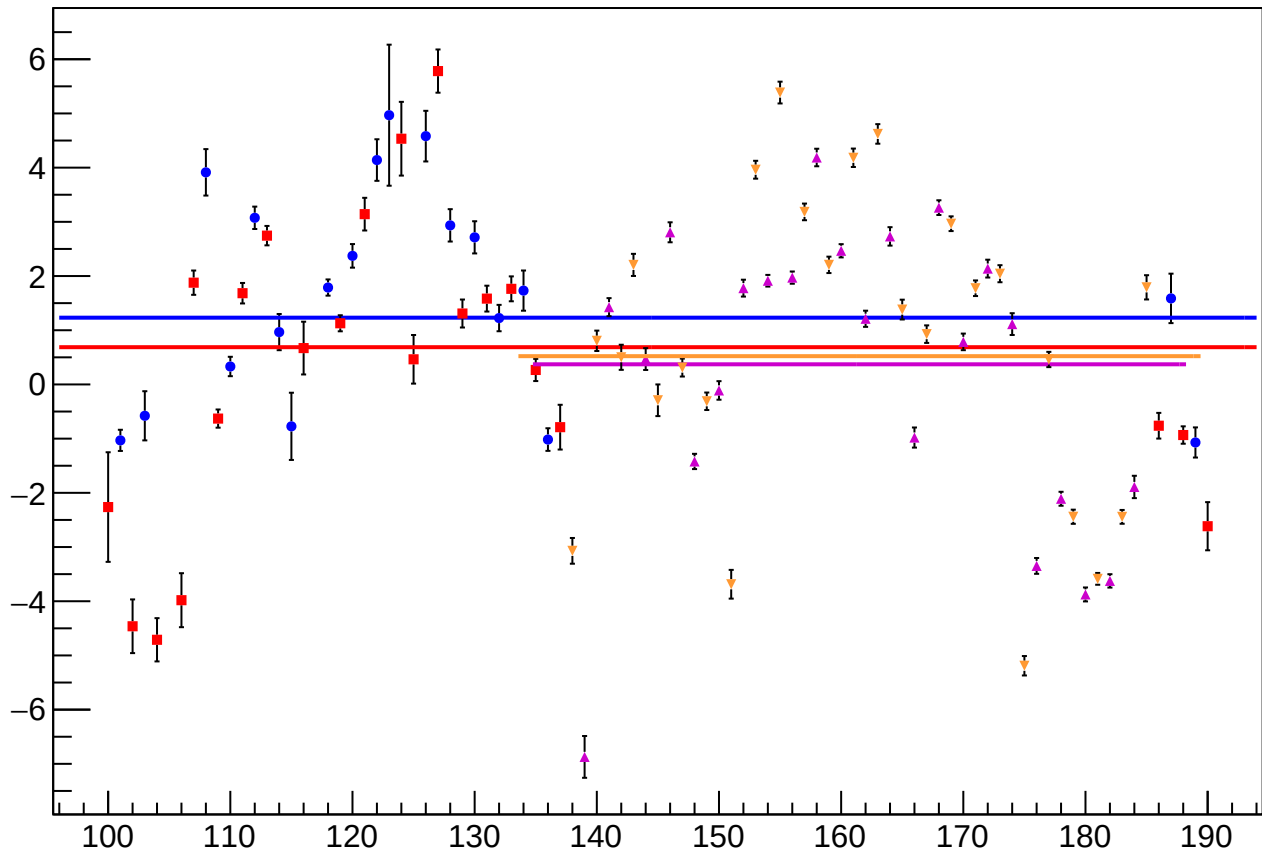
Left In: -17.393 ± 0.039 $\chi^2/\text{NDF}: 43178.9/22$

+ sign -17.487 ± 0.039 $\chi^2/\text{NDF}: 102680.9/26$

All: -15.726 ± 0.026 $\chi^2/\text{NDF}: 193740.6/52$

- sign -14.224 ± 0.036 $\chi^2/\text{NDF}: 87250.8/25$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.232 $\pm$ 0.061 χ^2/NDF : 708.6/18

Left Out: 0.522 $\pm$ 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.687 $\pm$ 0.054 χ^2/NDF : 1161.1/21

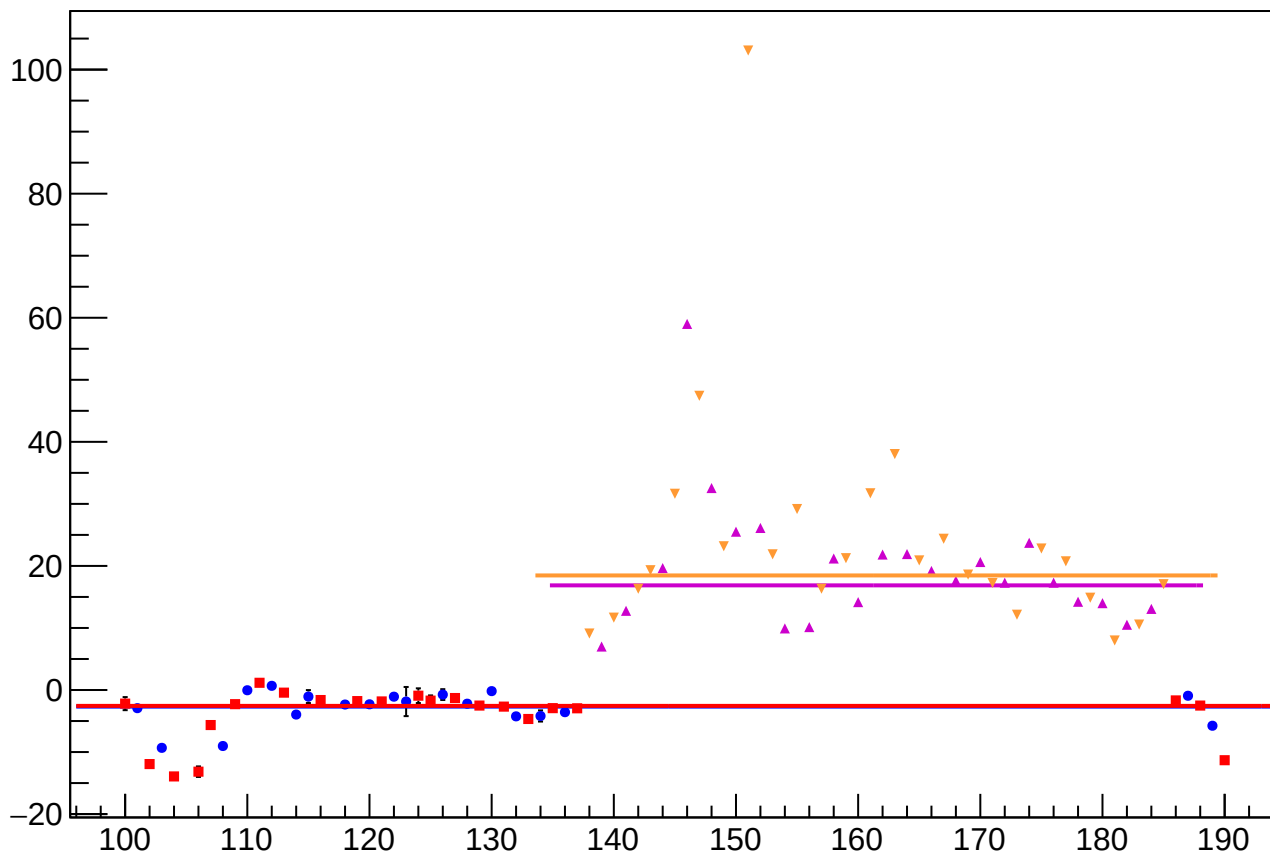
Left In: 0.371 $\pm$ 0.031 χ^2/NDF : 6217.4/22

+ sign 0.682 $\pm$ 0.029 χ^2/NDF : 7868.4/43

All: 0.559 $\pm$ 0.020 χ^2/NDF : 15306.4/88

- sign 0.452 $\pm$ 0.027 χ^2/NDF : 7404.4/44

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.669 ± 0.092 χ^2/NDF : 763.4/18

Left Out: 18.467 ± 0.040 χ^2/NDF : 77226.7/24

Right Out: -2.560 ± 0.060 χ^2/NDF : 1526.5/21

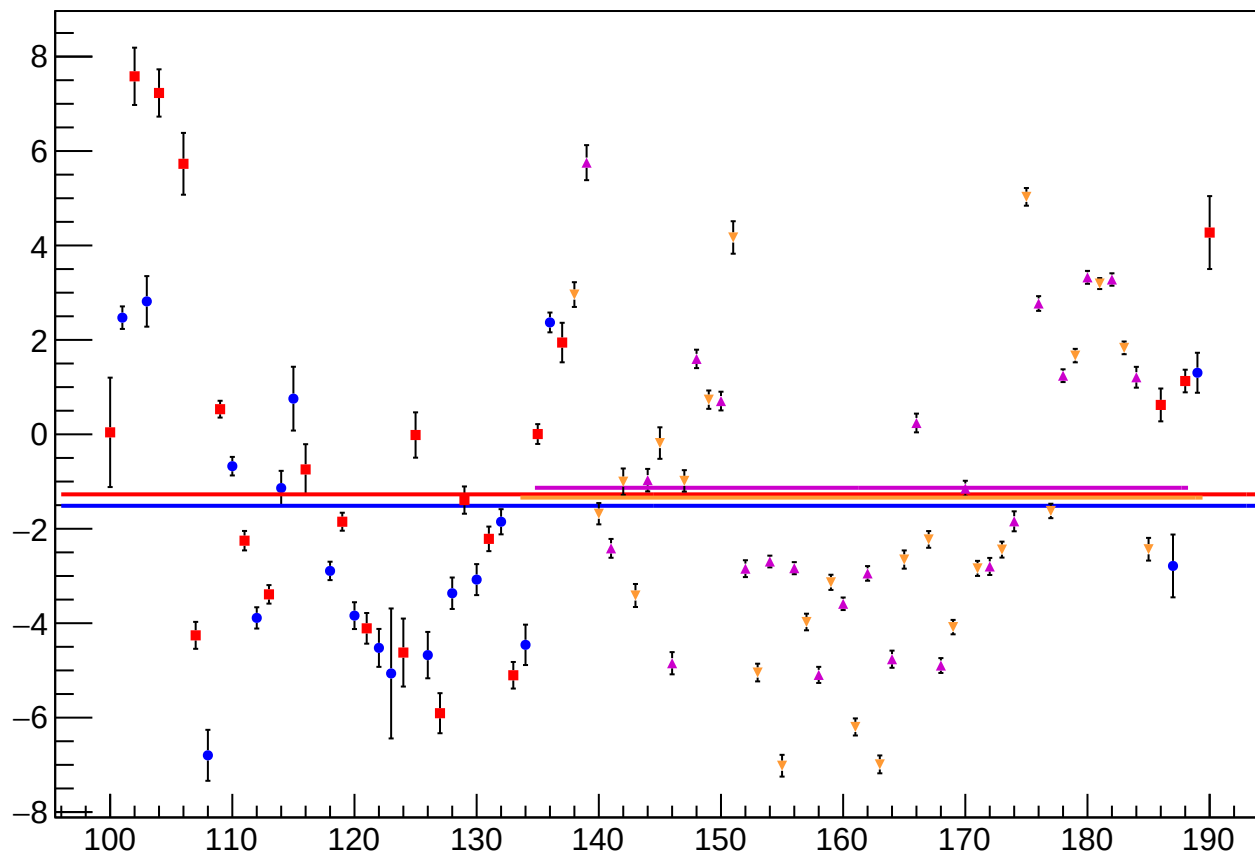
Left In: 16.867 ± 0.039 χ^2/NDF : 39779.0/22

+ sign 15.111 ± 0.037 χ^2/NDF : 122578.1/43

All: 12.922 ± 0.024 χ^2/NDF : 244329.1/88

- sign 11.198 ± 0.032 χ^2/NDF : 115348.0/44

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



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: -1.271 ± 0.063 $\chi^2/\text{NDF}: 1679.0/21$

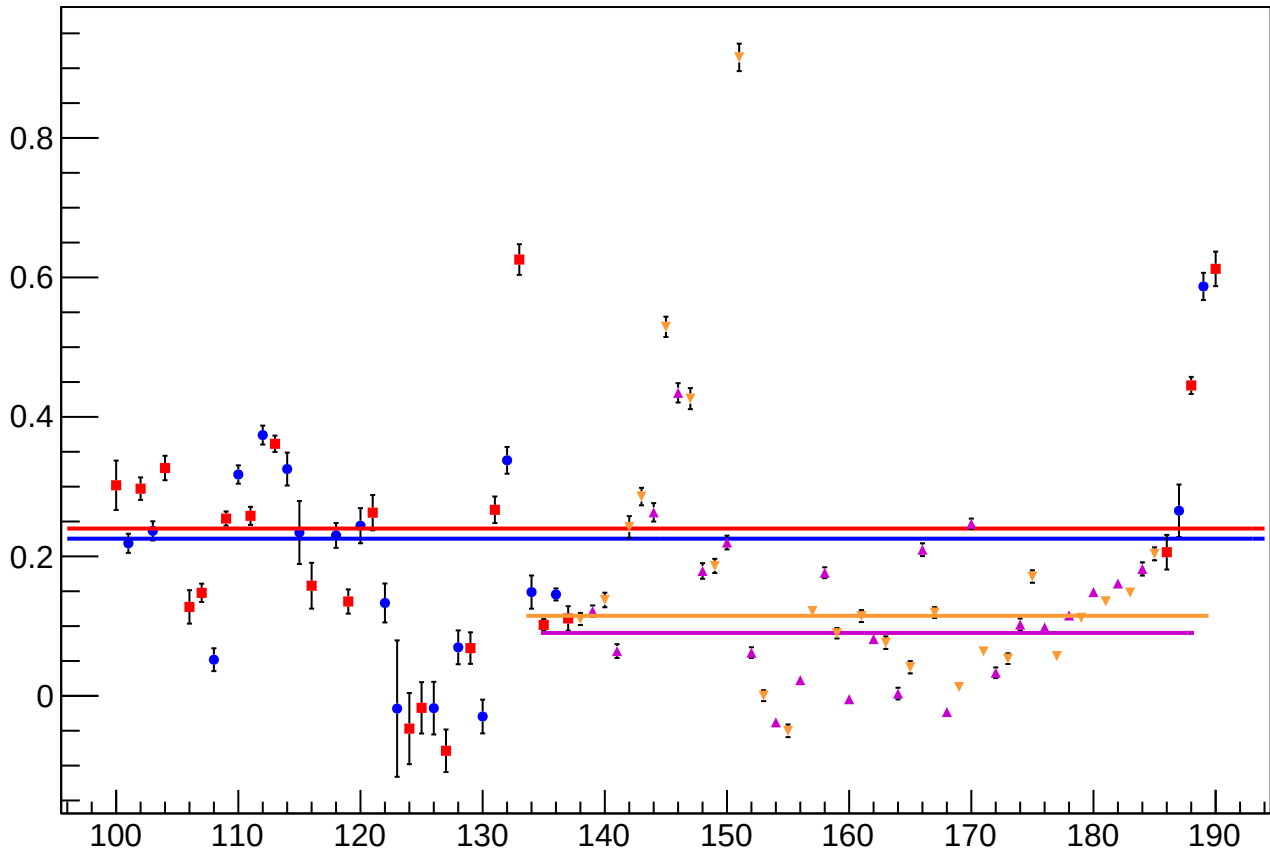
Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

+ sign -1.376 ± 0.033 $\chi^2/\text{NDF}: 9208.6/43$

All: -1.264 ± 0.022 $\chi^2/\text{NDF}: 17622.4/88$

- sign -1.165 ± 0.031 $\chi^2/\text{NDF}: 8391.3/44$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.225 ± 0.004 $\chi^2/\text{NDF}: 987.0/18$

Left Out: 0.115 ± 0.002 $\chi^2/\text{NDF}: 4431.9/24$

Right Out: 0.240 ± 0.004 $\chi^2/\text{NDF}: 1657.5/21$

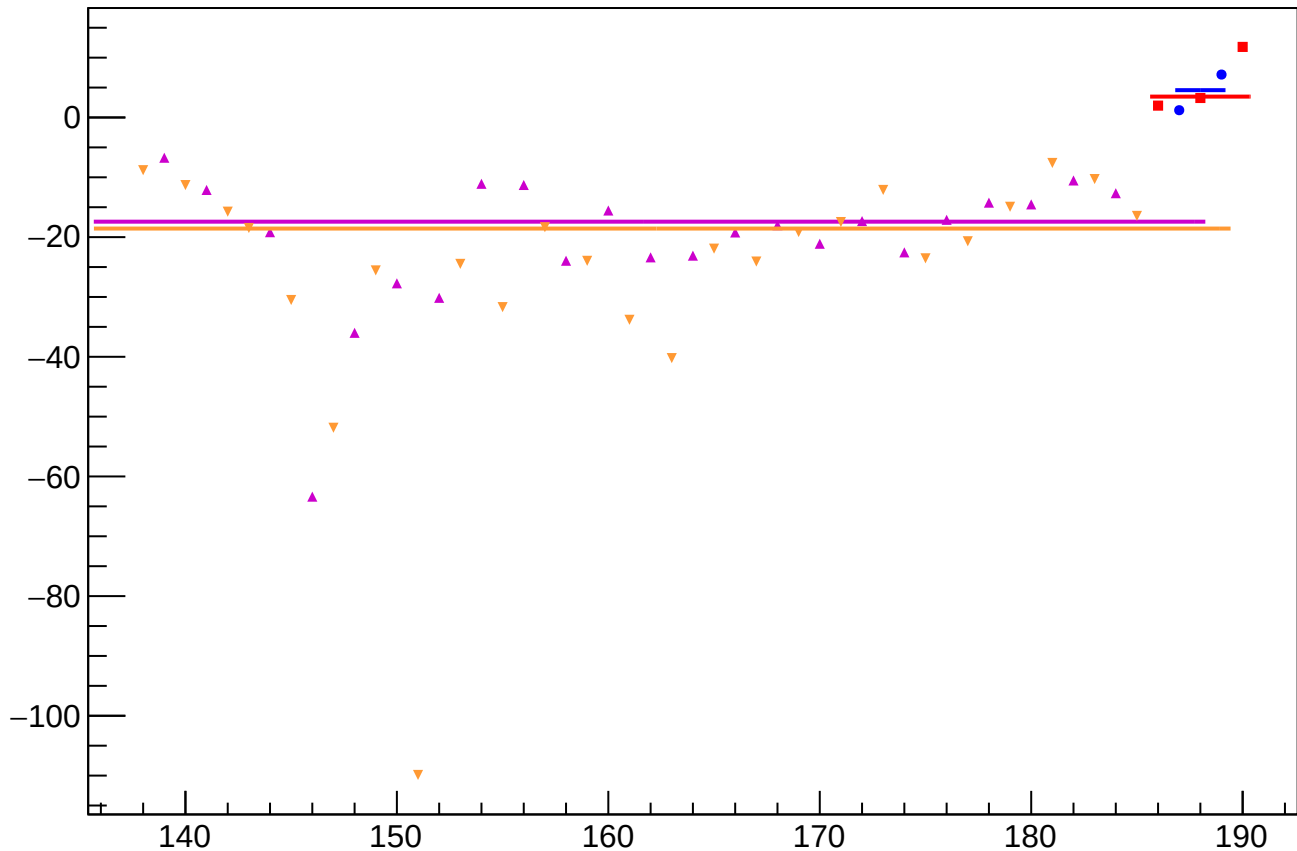
Left In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 3676.5/22$

+ sign 0.130 ± 0.002 $\chi^2/\text{NDF}: 6045.2/43$

All: 0.121 ± 0.001 $\chi^2/\text{NDF}: 12954.0/88$

- sign 0.114 ± 0.001 $\chi^2/\text{NDF}: 6850.7/44$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 4.566 ± 0.188 $\chi^2/\text{NDF}: 247.2/1$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 3.490 ± 0.093 $\chi^2/\text{NDF}: 558.3/2$

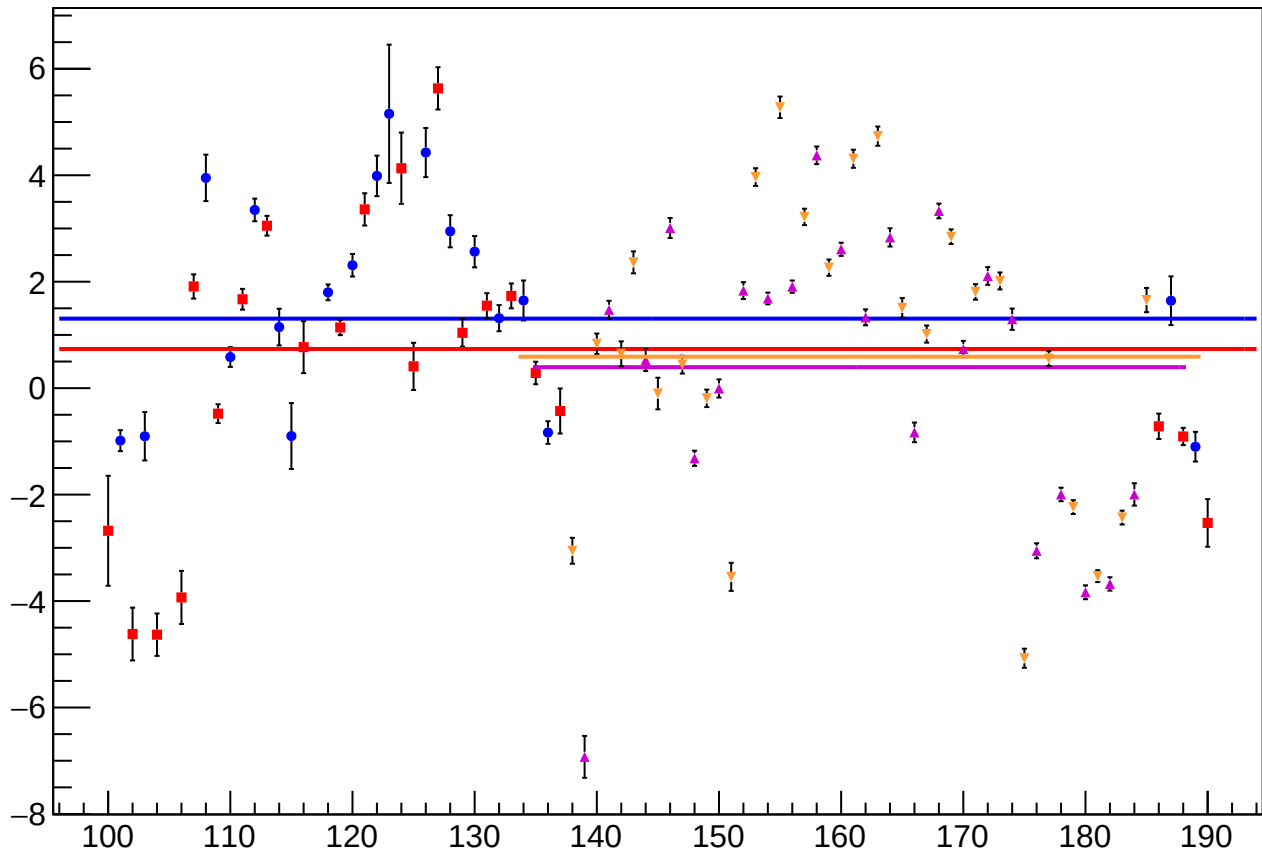
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -17.559 ± 0.039 $\chi^2/\text{NDF}: 101121.2/26$

All: -15.773 ± 0.027 $\chi^2/\text{NDF}: 191857.0/52$

- sign -14.250 ± 0.036 $\chi^2/\text{NDF}: 86889.9/25$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.306 $\pm$ 0.062 χ^2 /NDF: 678.1/18

Left Out: 0.591 $\pm$ 0.033 χ^2 /NDF: 6796.5/24

Right Out: 0.736 $\pm$ 0.054 χ^2 /NDF: 1147.4/21

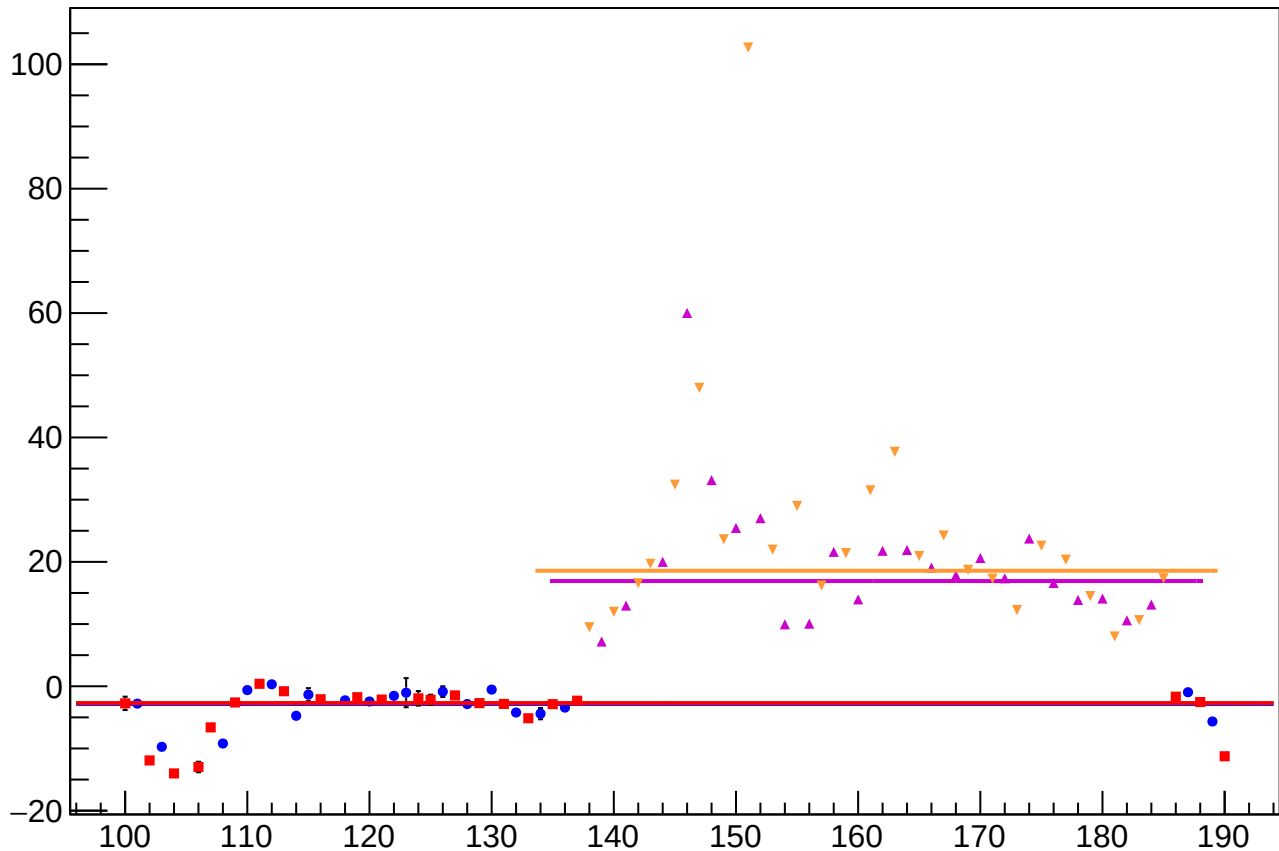
Left In: 0.394 $\pm$ 0.032 χ^2 /NDF: 6059.8/22

+ sign 0.752 $\pm$ 0.029 χ^2 /NDF: 7579.0/43

All: 0.607 $\pm$ 0.020 χ^2 /NDF: 14861.6/88

- sign 0.481 $\pm$ 0.027 χ^2 /NDF: 7236.8/44

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.833 ± 0.093 χ^2/NDF : 682.5/18

Left Out: 18.573 ± 0.040 χ^2/NDF : 76029.9/24

Right Out: -2.697 ± 0.061 χ^2/NDF : 1422.3/21

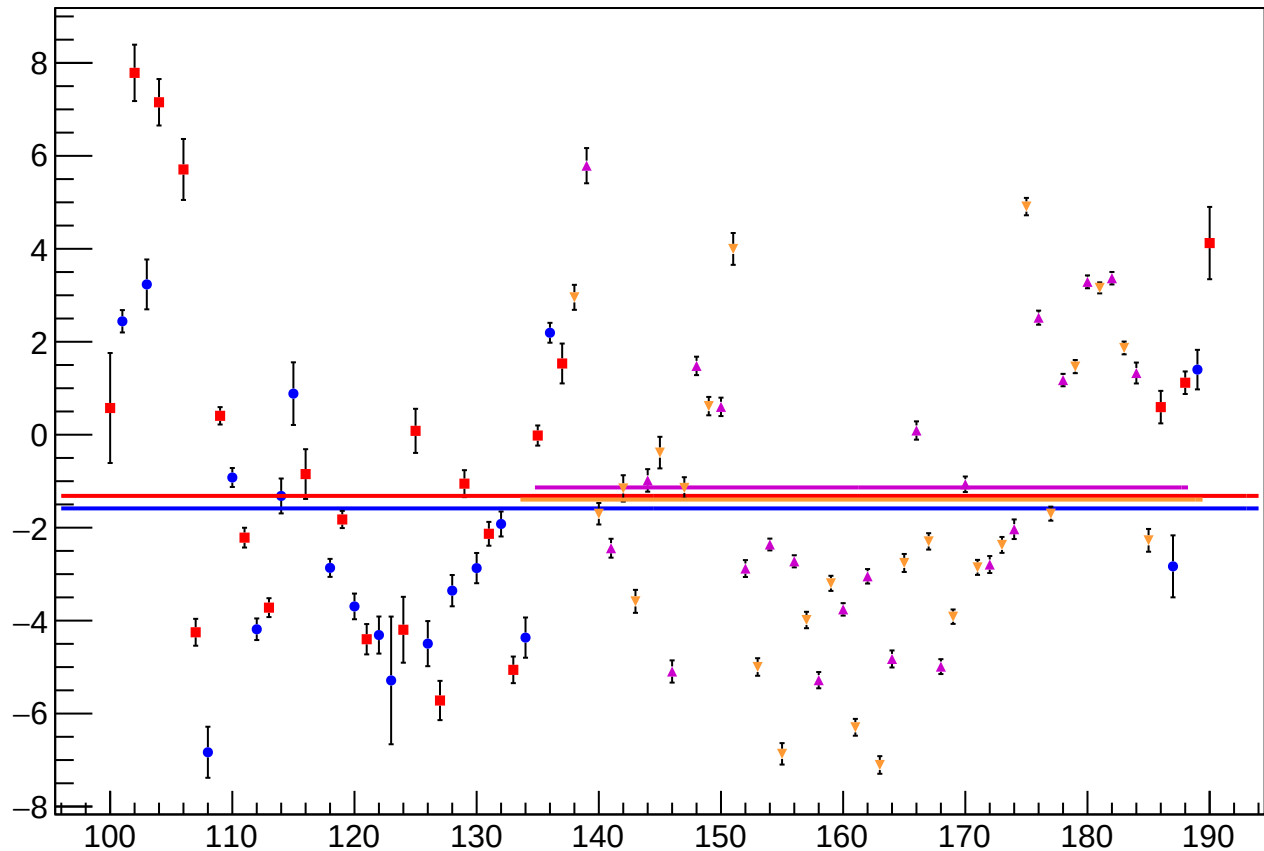
Left In: 16.919 ± 0.039 χ^2/NDF : 40154.5/22

+ sign 15.184 ± 0.037 χ^2/NDF : 121468.8/43

All: 12.983 ± 0.025 χ^2/NDF : 242893.9/88

- sign 11.247 ± 0.033 χ^2/NDF : 115073.2/44

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



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: -1.316 ± 0.064 $\chi^2/\text{NDF}: 1648.2/21$

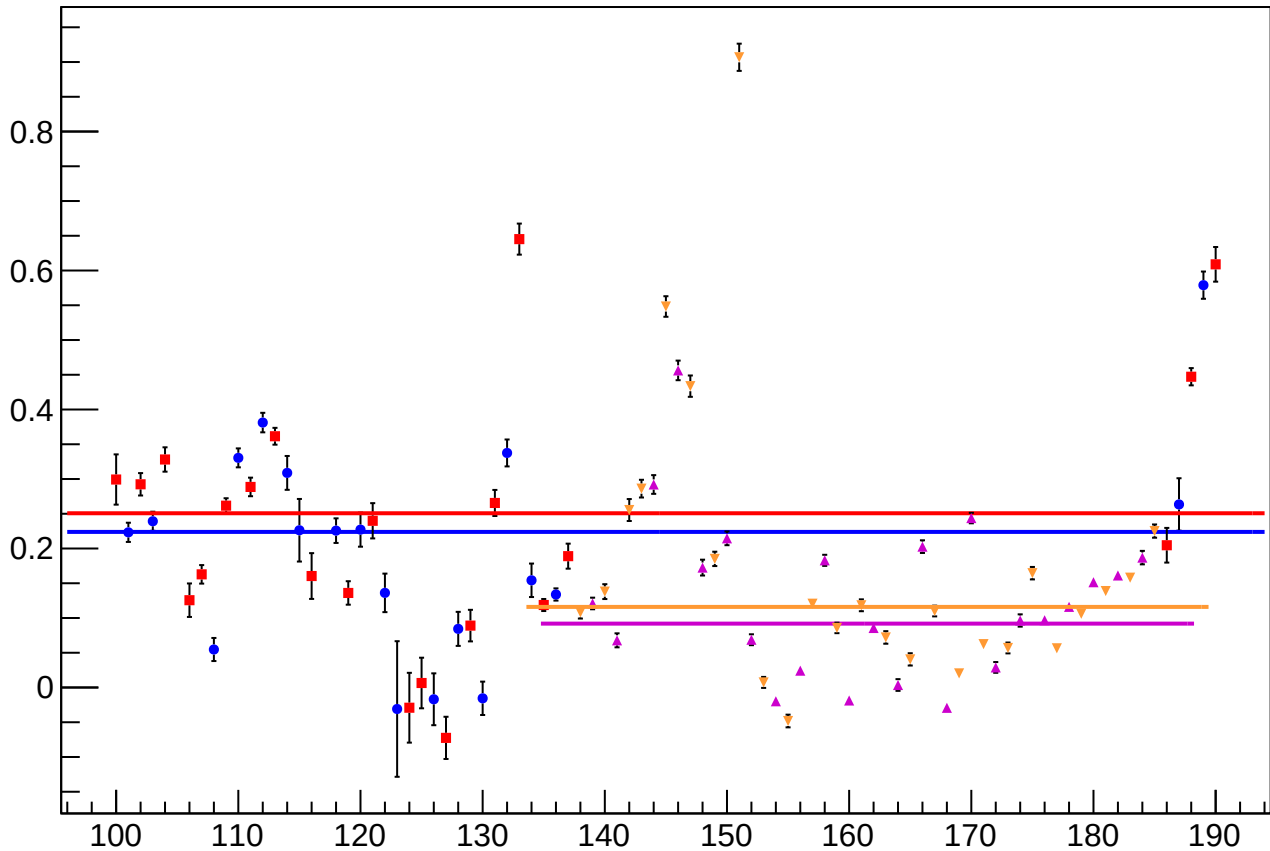
Left In: -1.135 ± 0.035 $\chi^2/\text{NDF}: 6597.7/22$

+ sign -1.436 ± 0.033 $\chi^2/\text{NDF}: 8901.7/43$

All: -1.298 ± 0.022 $\chi^2/\text{NDF}: 17186.9/88$

- sign -1.177 ± 0.031 $\chi^2/\text{NDF}: 8252.1/44$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.224 $\pm$ 0.004 χ^2/NDF : 970.8/18

Left Out: 0.116 $\pm$ 0.002 χ^2/NDF : 4463.0/24

Right Out: 0.251 $\pm$ 0.004 χ^2/NDF : 1501.7/21

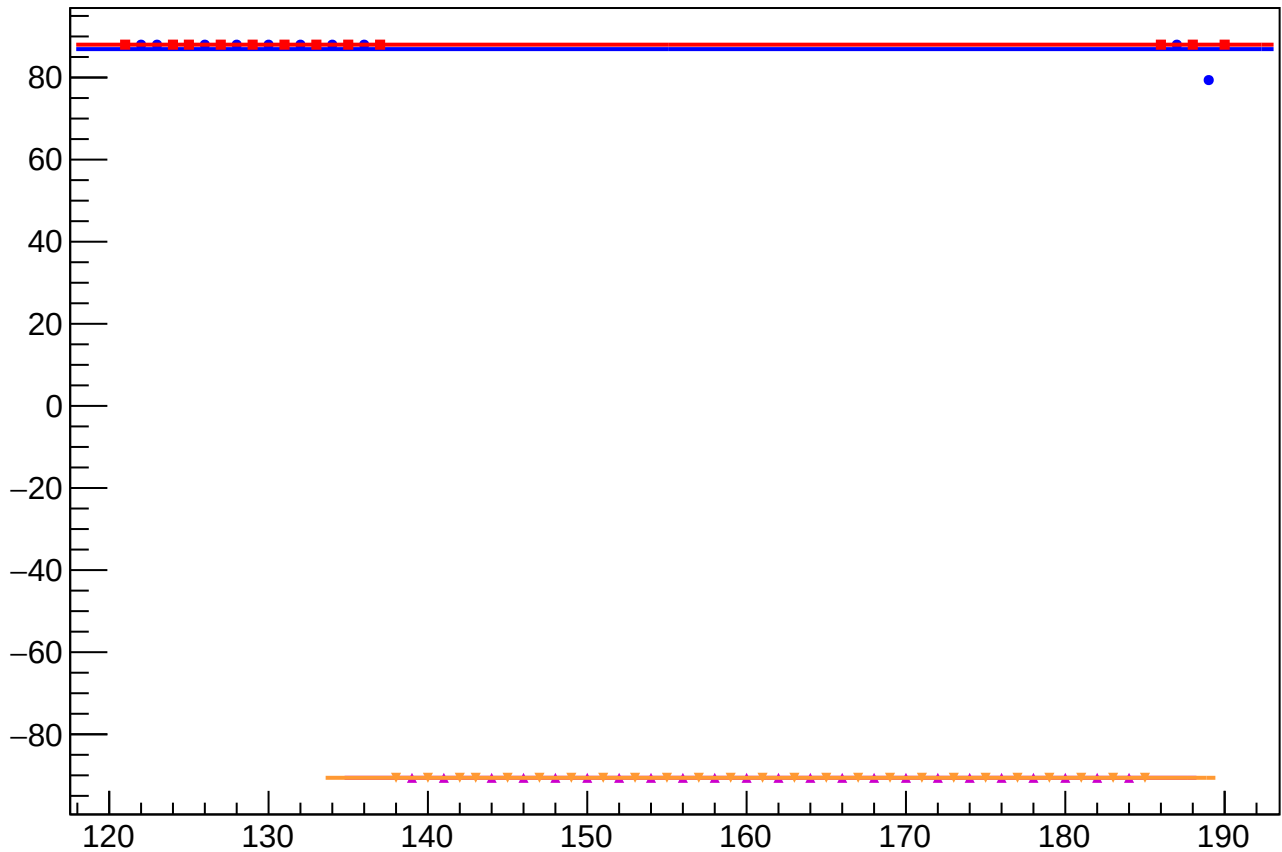
Left In: 0.092 $\pm$ 0.002 χ^2/NDF : 3631.4/22

+ sign 0.131 $\pm$ 0.002 χ^2/NDF : 6015.3/43

All: 0.123 $\pm$ 0.001 χ^2/NDF : 12839.9/88

- sign 0.117 $\pm$ 0.001 χ^2/NDF : 6781.4/44

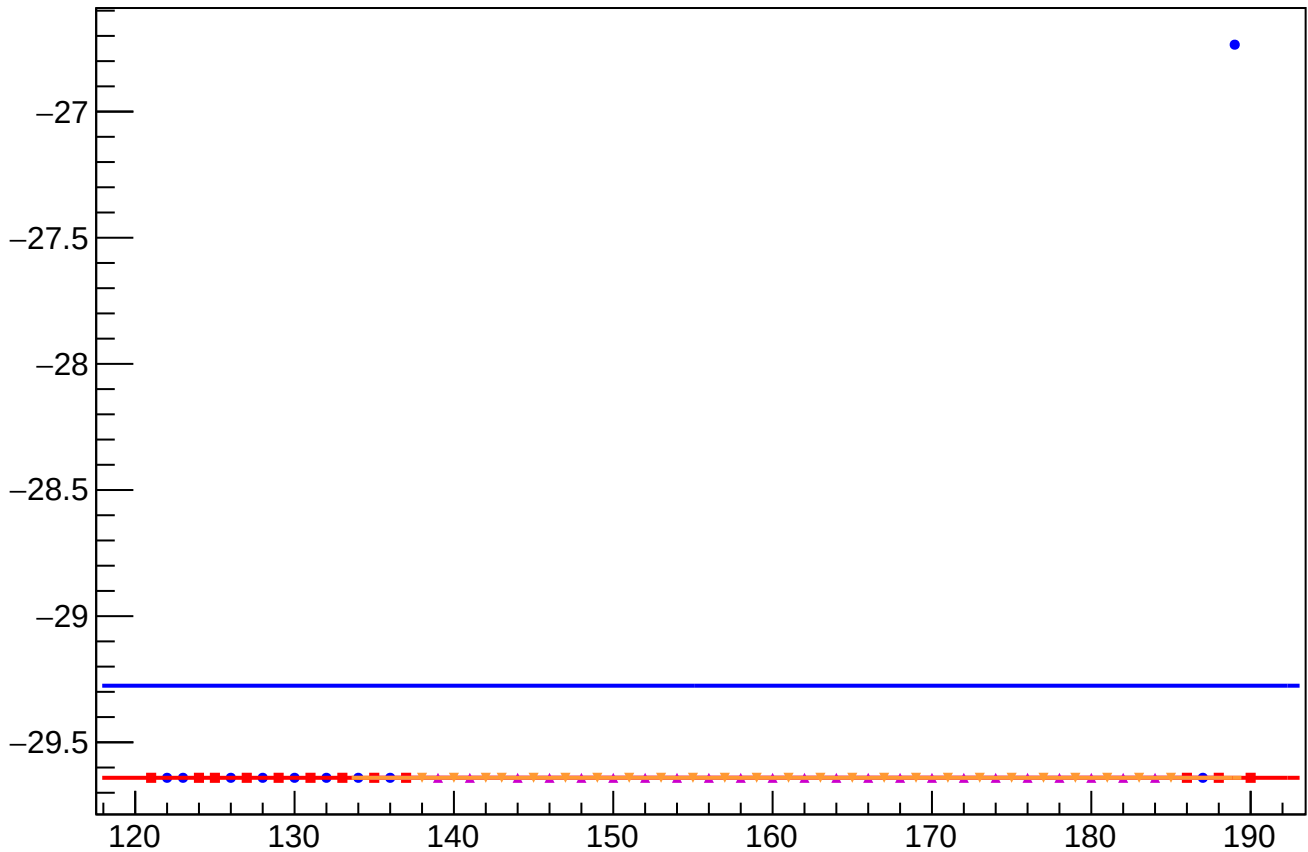
VWienAngle_mean vs Slug



Right In: 86.917 ± 0.000 χ^2/NDF : 3319284182634901889497368914558976.0/9
Left Out: -90.599 ± 0.000 χ^2/NDF : 6053403.0/24
Right Out: 88.001 ± 0.000 χ^2/NDF : 218912.1/11
Left In: -90.599 ± 0.000 χ^2/NDF : 5932436.0/22

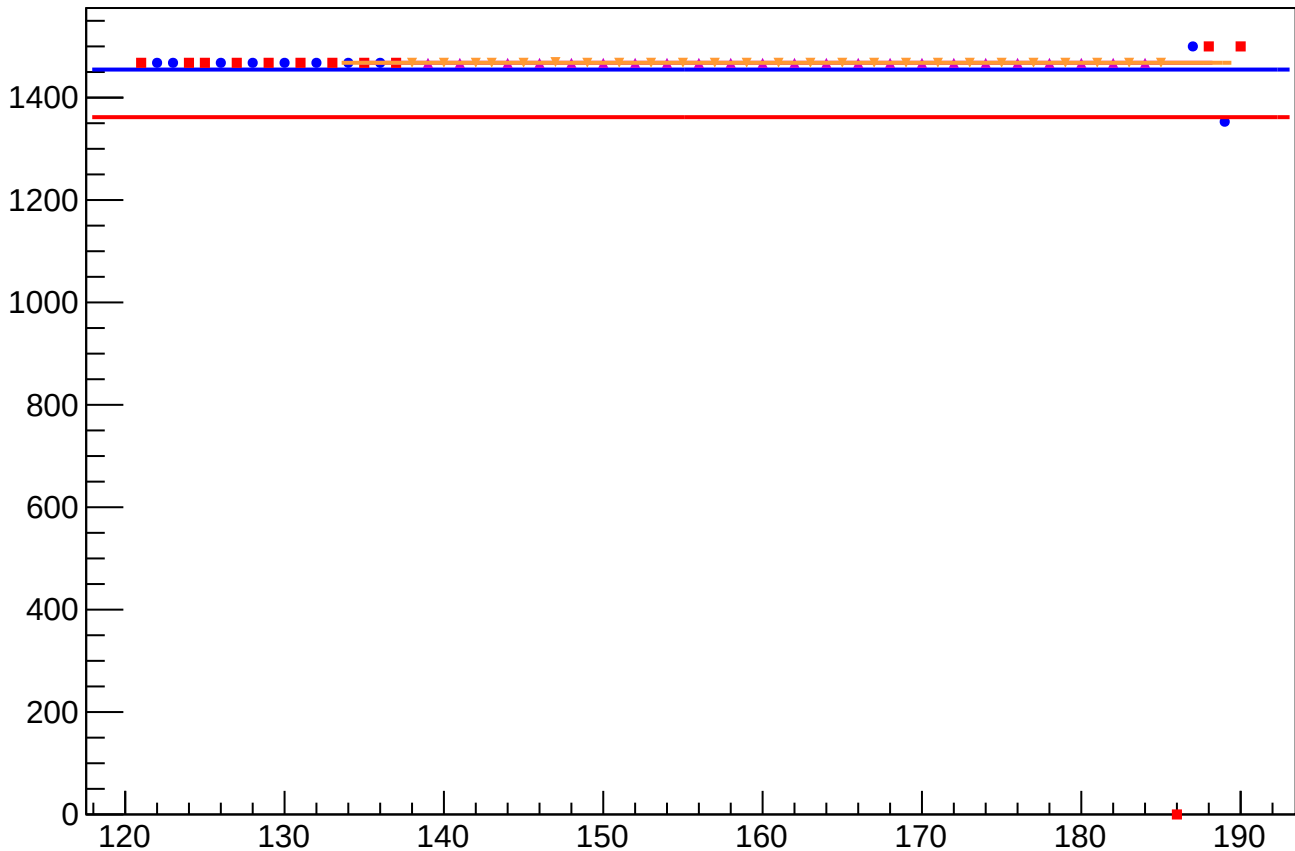
+ sign -59.480 ± 0.000 χ^2/NDF : 105544028661935
All: -56.159 ± 0.000 χ^2/NDF : 228281012262
- sign -52.811 ± 0.000 χ^2/NDF : 1222240396262949

HWienAngle_mean vs Slug



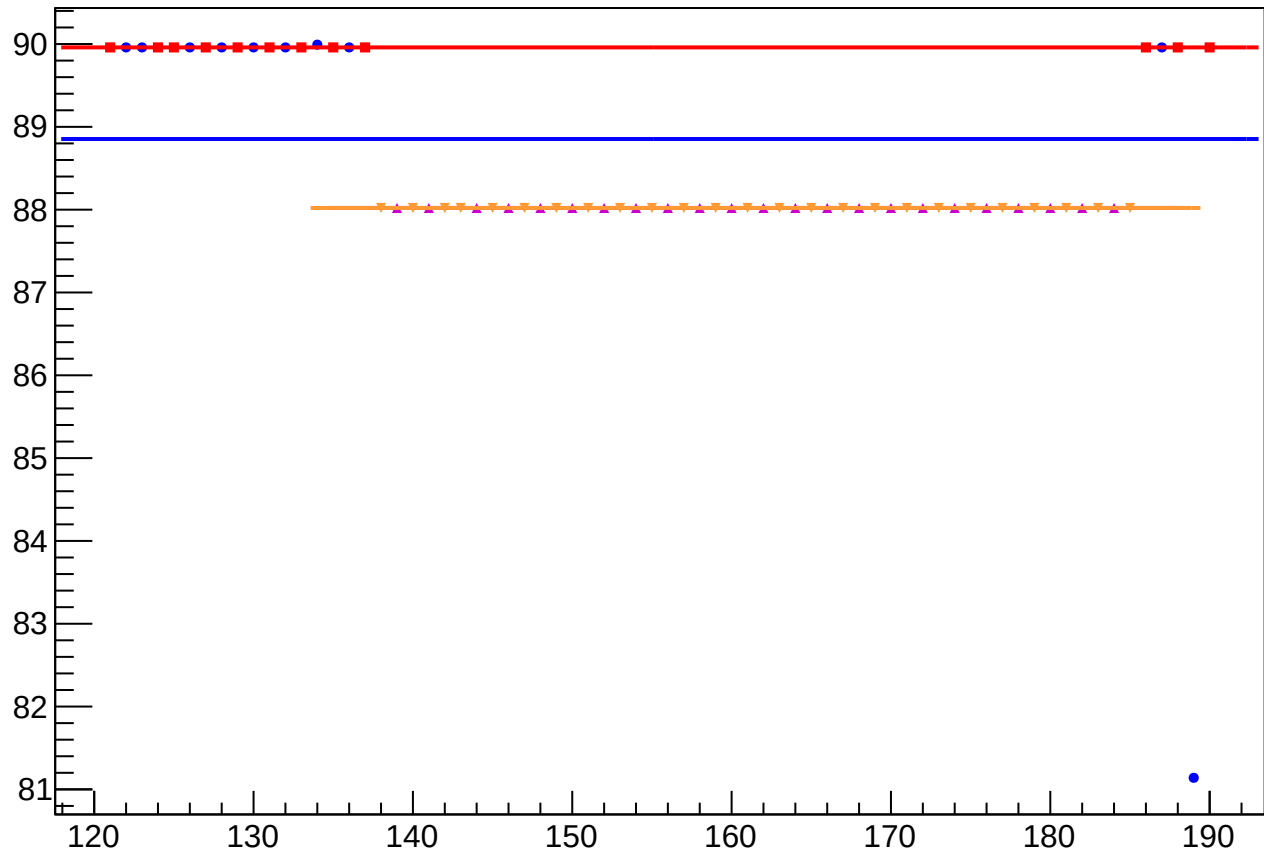
Right In: -29.276 $\pm$ 0.000 χ^2 /NDF: 376572980077339540526258479693824.0/9
Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 654199.2/24
Right Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 356603.0/11
Left In: -29.641 $\pm$ 0.000 χ^2 /NDF: 511825.6/22
+ sign -29.577 $\pm$ 0.000 χ^2 /NDF: 421188482752330
All: -29.609 $\pm$ 0.000 χ^2 /NDF: 425910809107
- sign -29.641 $\pm$ 0.000 χ^2 /NDF: 2006975.7/34

psub_pl_pos_mean vs Slug



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: 1361.831+/-0.000 χ^2/NDF : 76545897929585523197148075230838652928.0/11
 Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22
 All: 1455.669+/-0.000 χ^2/NDF : 82014309337.0/111

Phi_FG_mean vs Slug



Right In: 88.853+/-0.000 χ^2/NDF : 3470239709183582261005318560415744.0/9

Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24

Right Out: 89.959+/-0.000 χ^2/NDF : 1383144.5/11

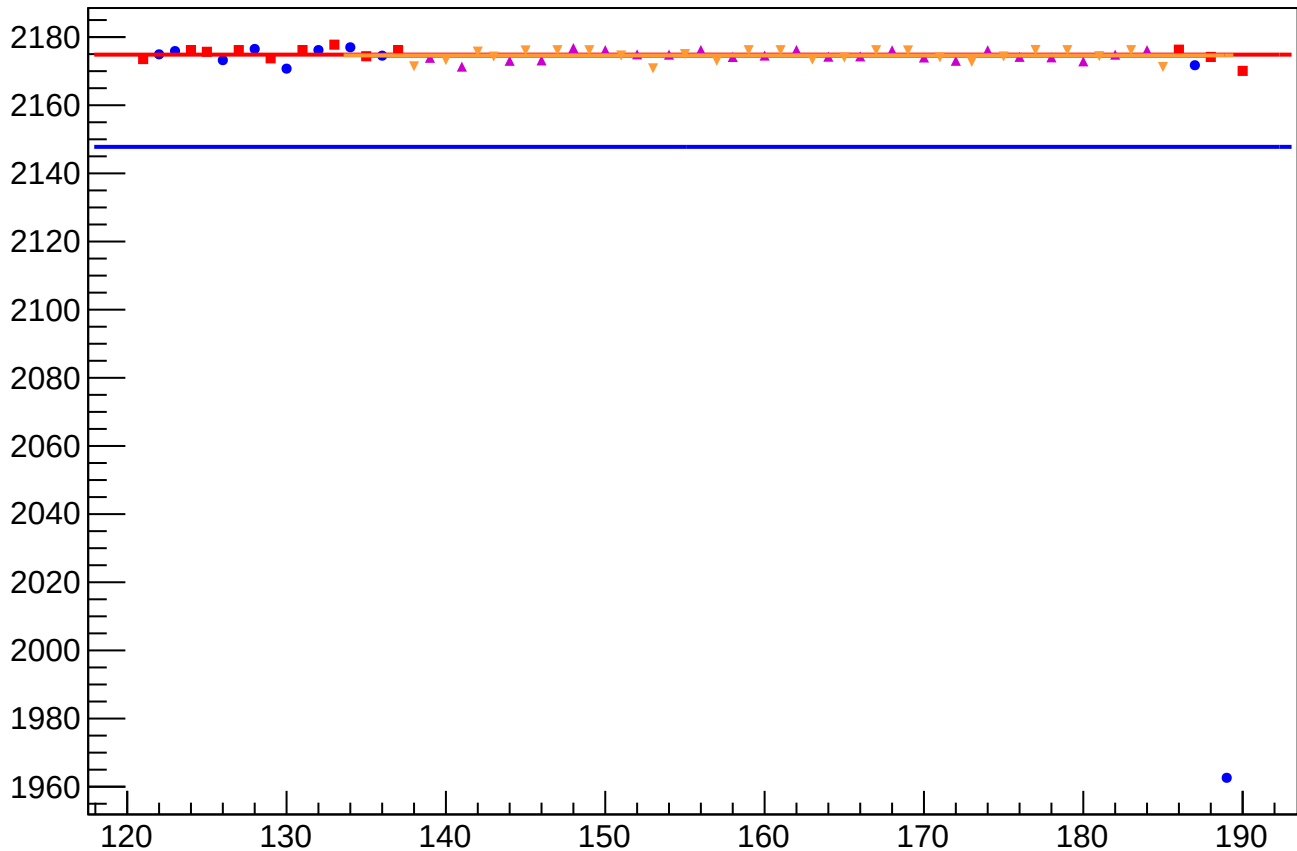
Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

+ sign 88.167+/-0.000 χ^2/NDF : 3702254870771732

All: 88.298+/-0.000 χ^2/NDF : 5222793571714

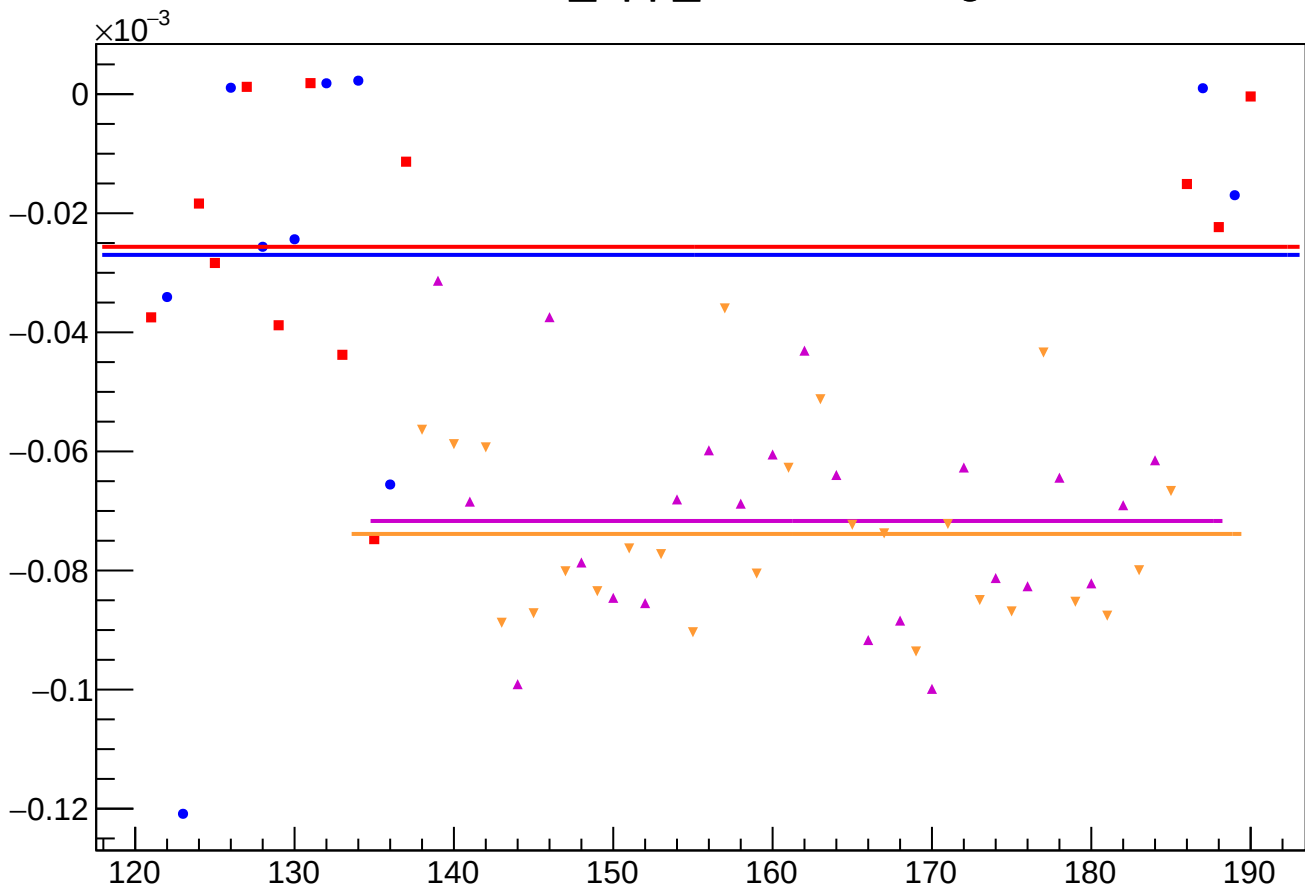
- sign 88.431+/-0.000 χ^2/NDF : 1440016077279447

HALLA_p_mean vs Slug



Right In: 2147.782 $\pm$ 0.000 χ^2 /NDF: 2001239028453492065294499892906950656.0/9
 Left Out: 2174.622 $\pm$ 0.000 χ^2 /NDF: 5110578135476093110874911595823104.0/24
 Right Out: 2174.851 $\pm$ 0.000 χ^2 /NDF: 1685945293021631114426511056175104.0/11
 Left In: 2174.539 $\pm$ 0.000 χ^2 /NDF: 3400742562425168967494665391570944.0/22
 + sign 2169.917 $\pm$ 0.000 χ^2 /NDF: 22475585357275
 All: 2172.251 $\pm$ 0.000 χ^2 /NDF: 22780300214
 - sign 2174.605 $\pm$ 0.000 χ^2 /NDF: 51240851196666

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 269004303271763004882944.0/9

Left Out: -0.000+/-0.000 χ^2/NDF : 450400934180541069000704.0/24

Right Out: -0.000+/-0.000 χ^2/NDF : 232894194279755200593920.0/11

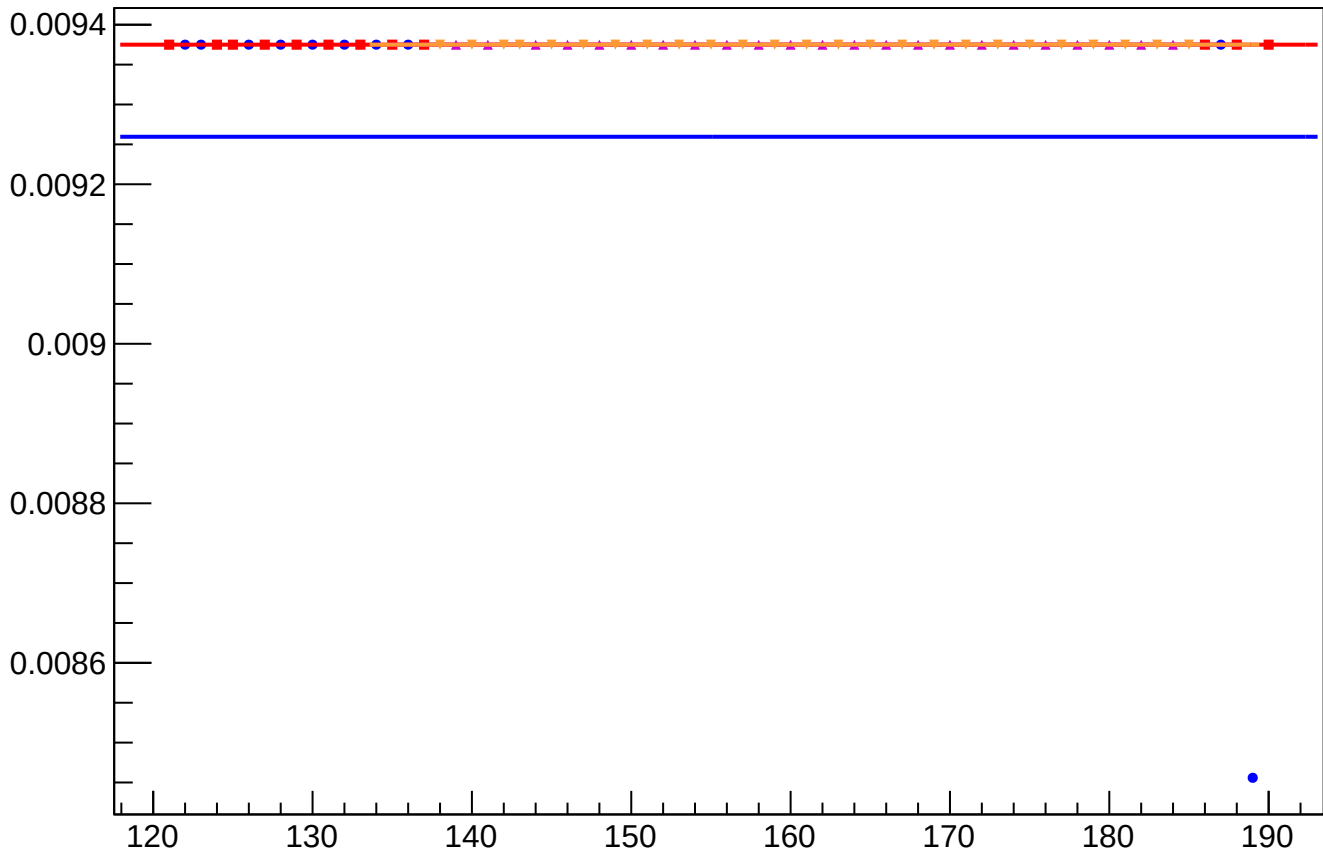
Left In: -0.000+/-0.000 χ^2/NDF : 562166279020739416817664.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 1454768704967805

All: -0.000+/-0.000 χ^2/NDF : 3077957056374

- sign -0.000+/-0.000 χ^2/NDF : 1607370475255783

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 37671655407852576596557824.0/9

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/11

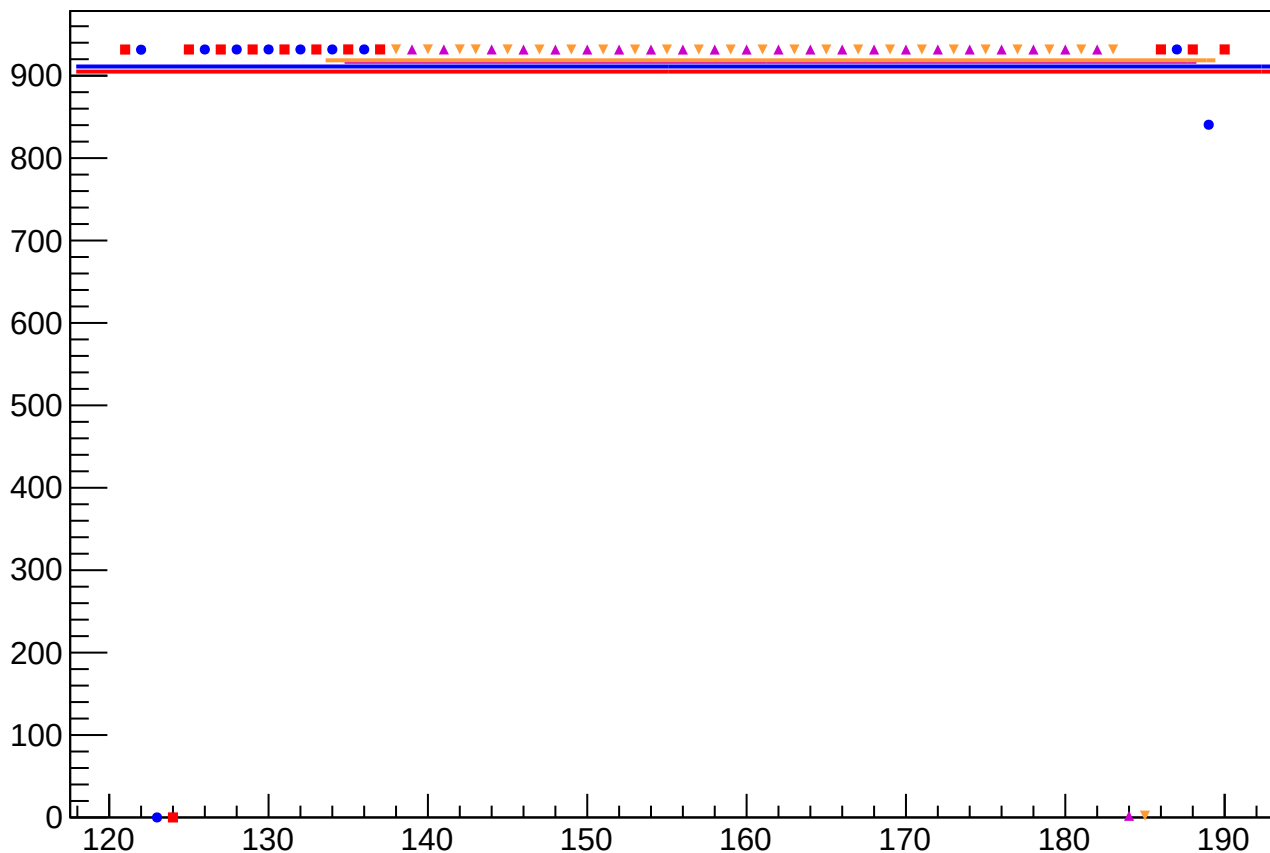
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42134906707176529

All: 0.009+/-0.000 χ^2/NDF : 42607319388300

- sign 0.009+/-0.000 χ^2/NDF : 0.2/34

HacL_Q2_HP3458A_IOUT_mean vs Slug



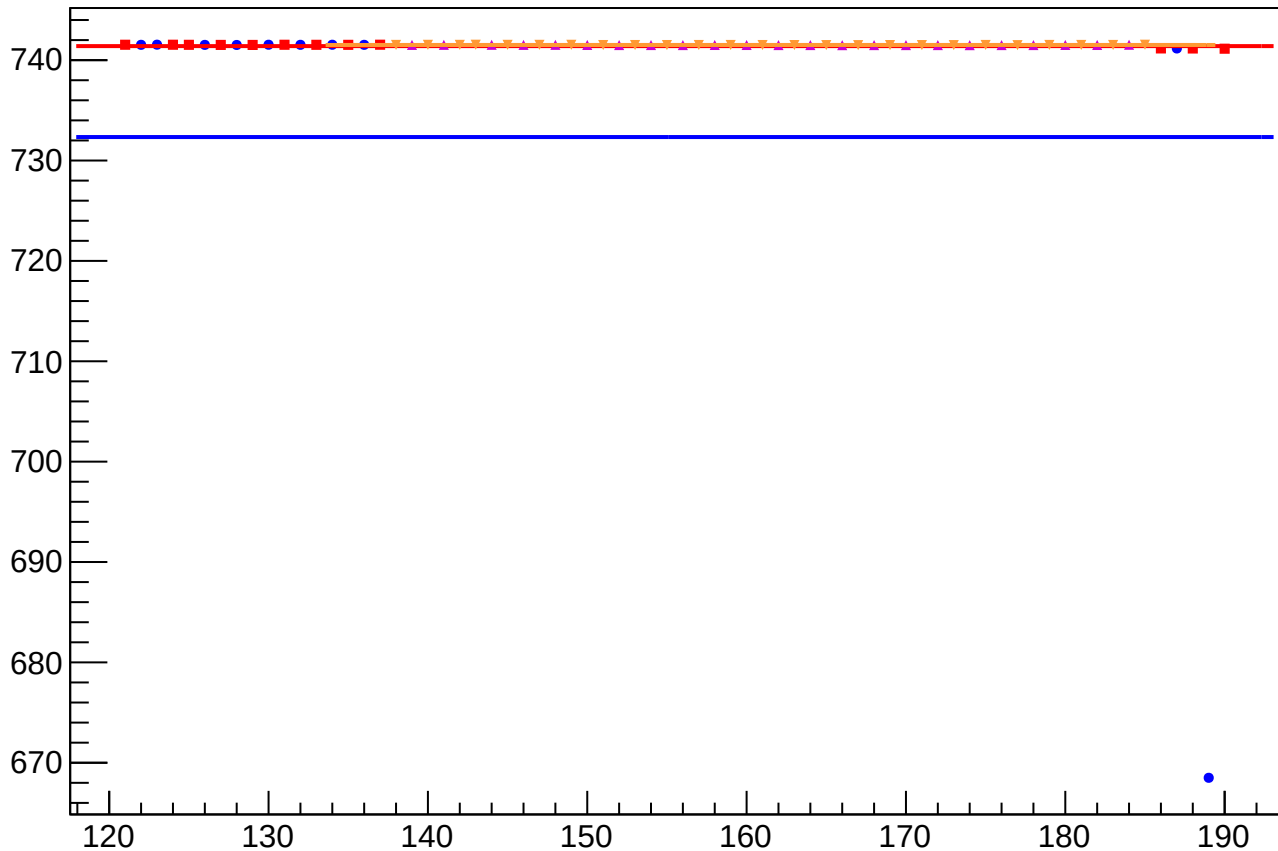
Right In: 911.148+/-0.000 χ^2/NDF : 3724814795110127321454463350940368896.0/9

Left Out: 918.645+/-0.000 χ^2/NDF :23003498704056084939752432521336324096.0/24

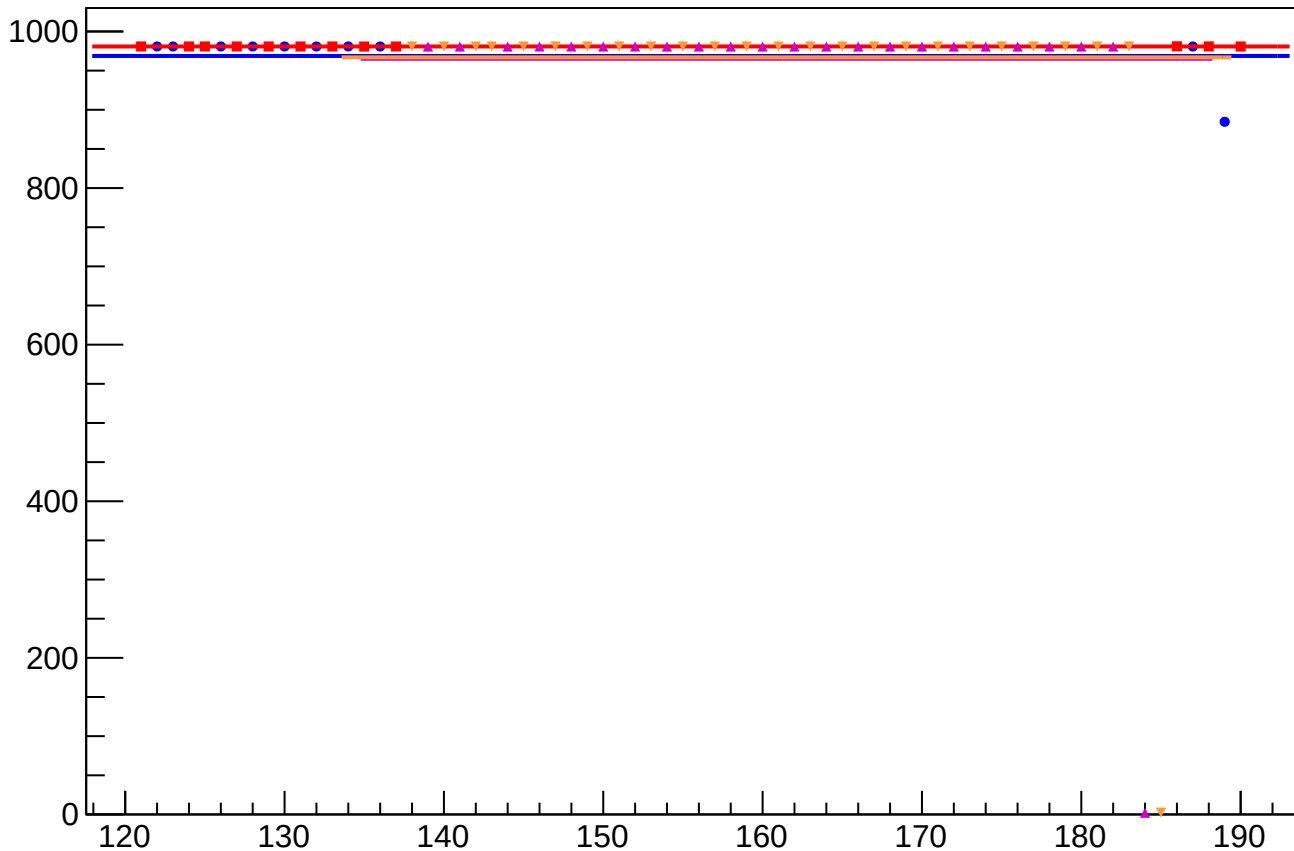
Right Out: 904.985+/-0.000 χ^2/NDF : 11805229318701550084420616976963993600.0/11

Left In: 916.890+/-0.000 χ^2/NDF :24667894917476231250286944388888133632.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



HacL_Q3_HP3458A_IOUT_mean vs Slug



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: 980.846+/-0.000 χ^2/NDF : 1916149670264271549374484447232.0/11

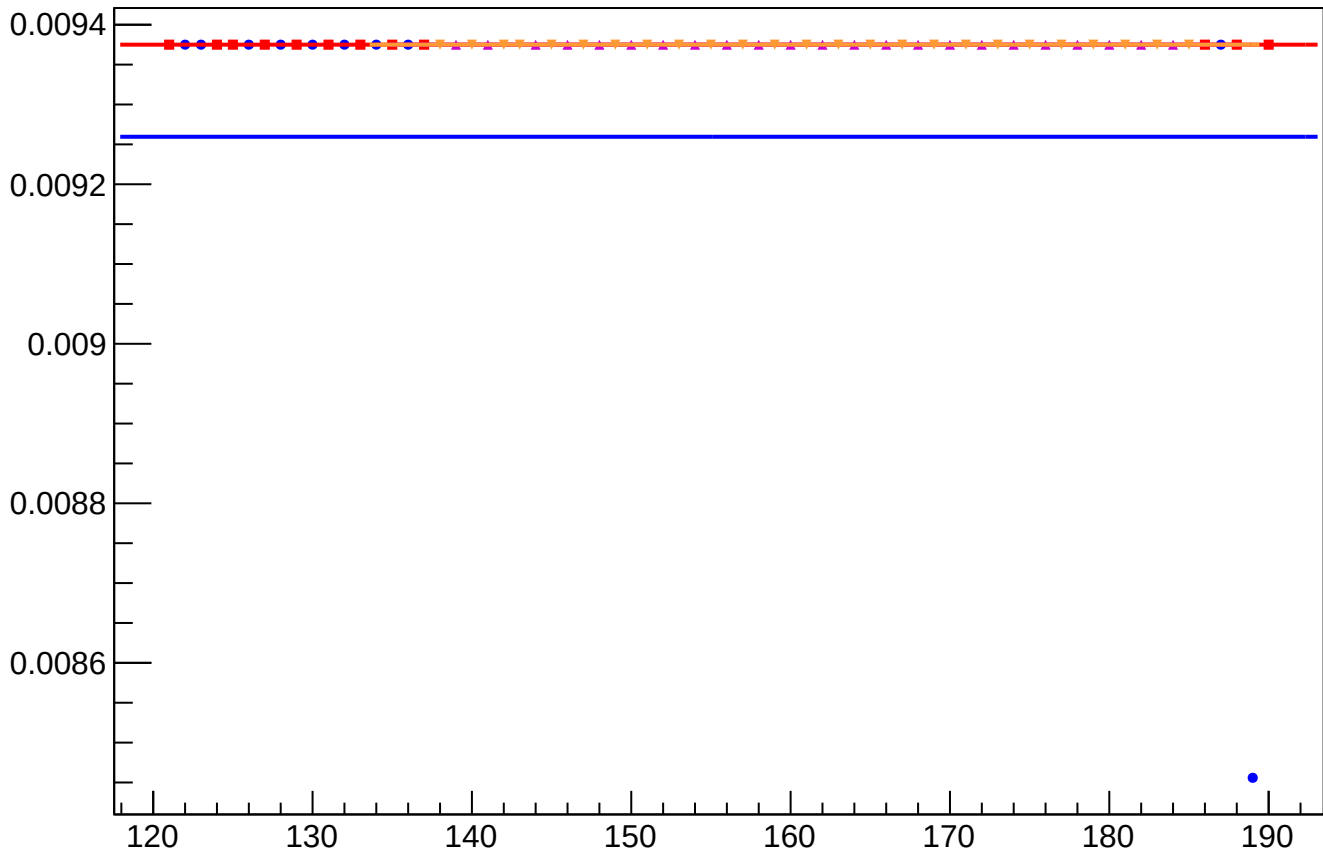
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 967.253+/-0.000 χ^2/NDF : 258992277047882

All: 967.841+/-0.000 χ^2/NDF : 53326138844

- sign 968.433+/-0.000 χ^2/NDF : 274253035686411

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 37671655407852576596557824.0/9

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/11

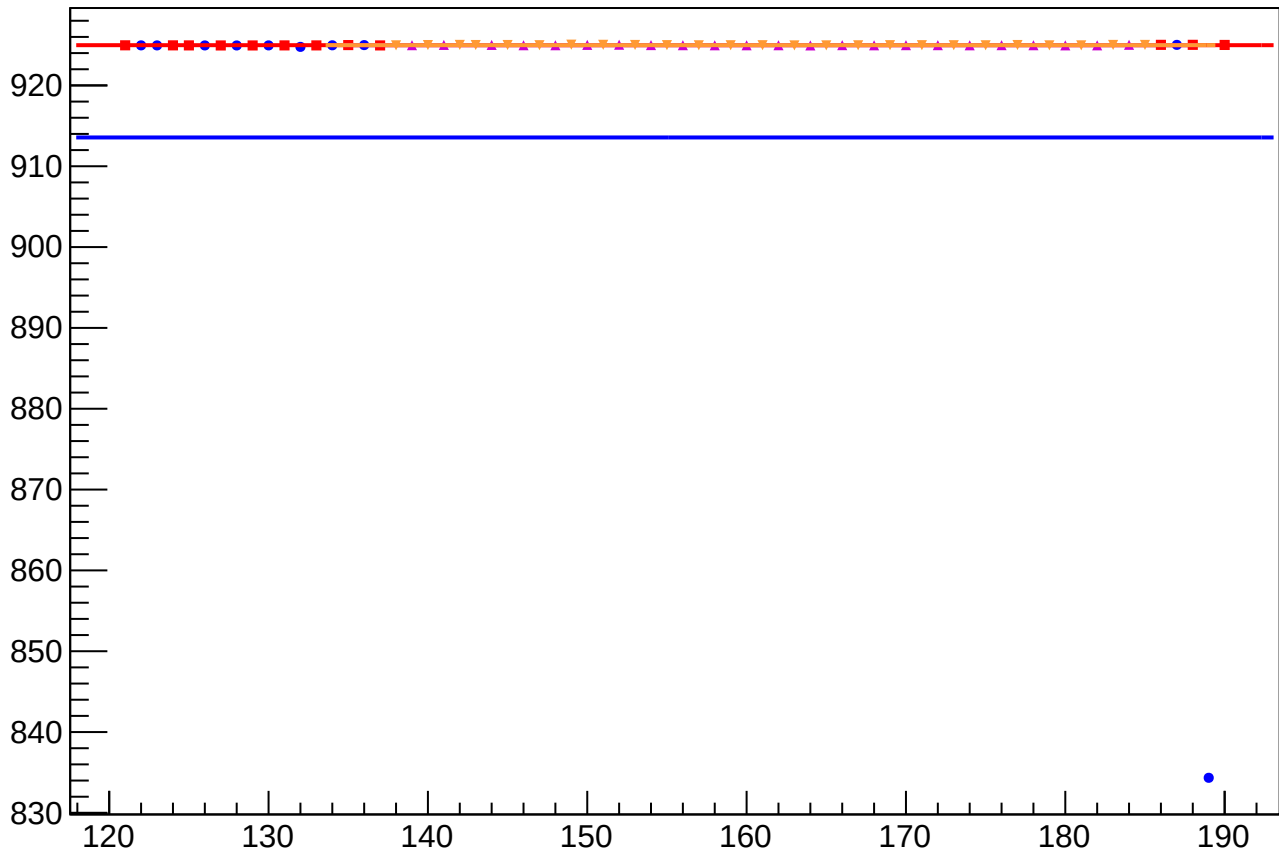
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42134906707176529

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42607319388300

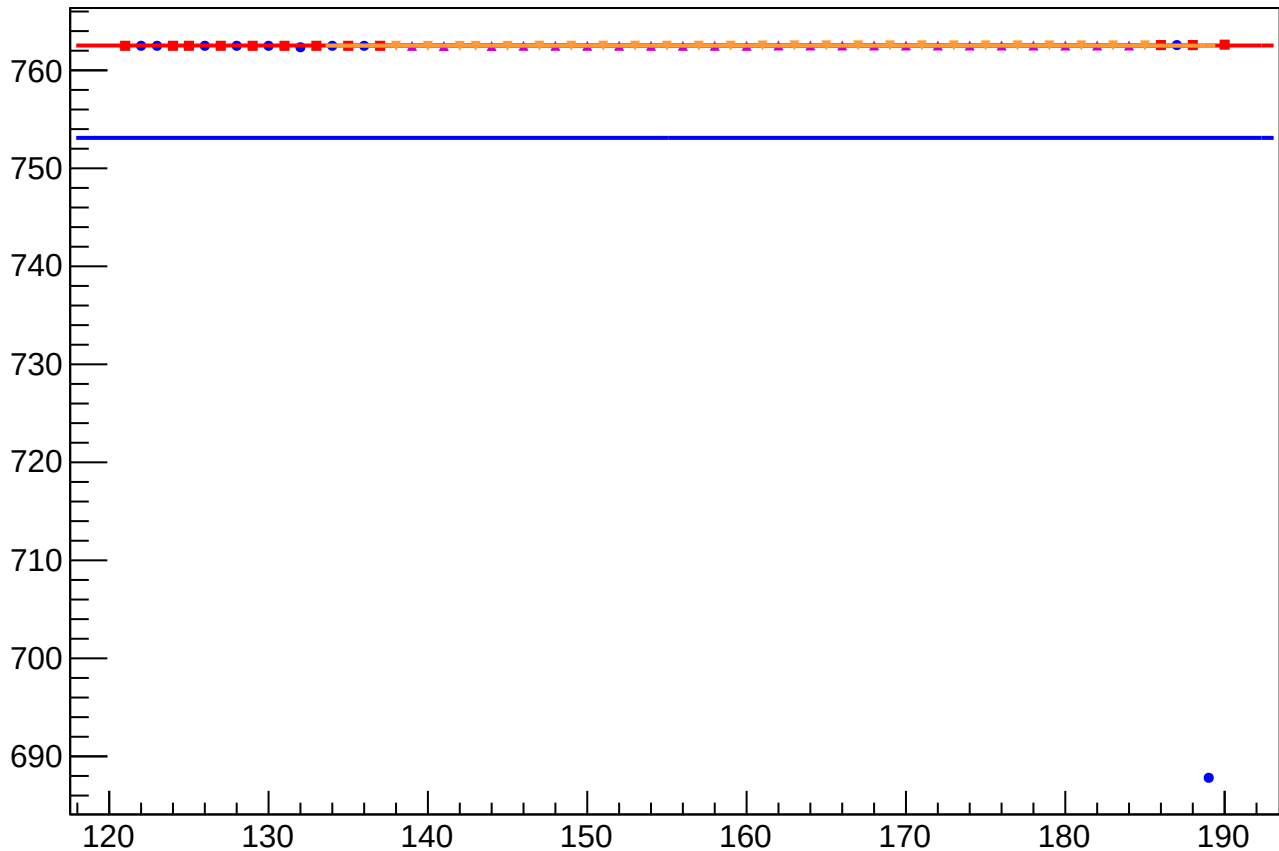
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/34

HacR_Q2_HP3458A_IOUT_mean vs Slug



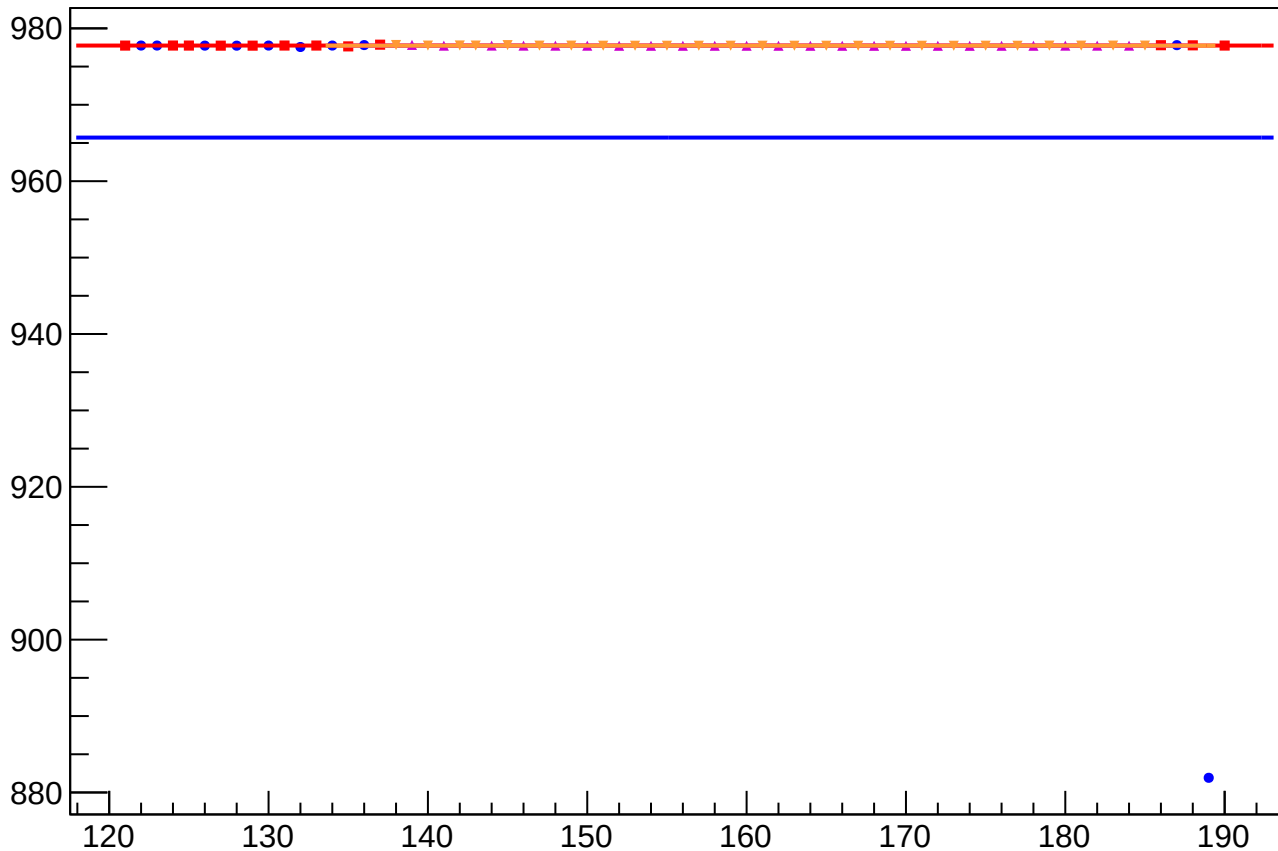
Right In: 913.562 $\pm$ 0.000 χ^2 /NDF: 366058271931843986263462161248419840.0/9
 Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24
 Right Out: 924.979 $\pm$ 0.000 χ^2 /NDF: 499107560710465641921300660224.0/11
 Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22
 + sign 922.981 $\pm$ 0.000 χ^2 /NDF: 409732316198877
 All: 923.977 $\pm$ 0.000 χ^2 /NDF: 41435349576
 - sign 924.982 $\pm$ 0.000 χ^2 /NDF: 139453428715156

HacR_D1_HP3458A_IOUT_mean vs Slug



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: 762.530+/-0.000 χ^2/NDF : 794379129742578784976985128960.0/11
Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
All: 761.692+/-0.000 χ^2/NDF : 281485634098
+ sign 760.869+/-0.000 χ^2/NDF : 278333838753623
- sign 762.521+/-0.000 χ^2/NDF : 146686141745888

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 965.707+/-0.000 χ^2/NDF : 409469280914675504381927925097693184.0/9

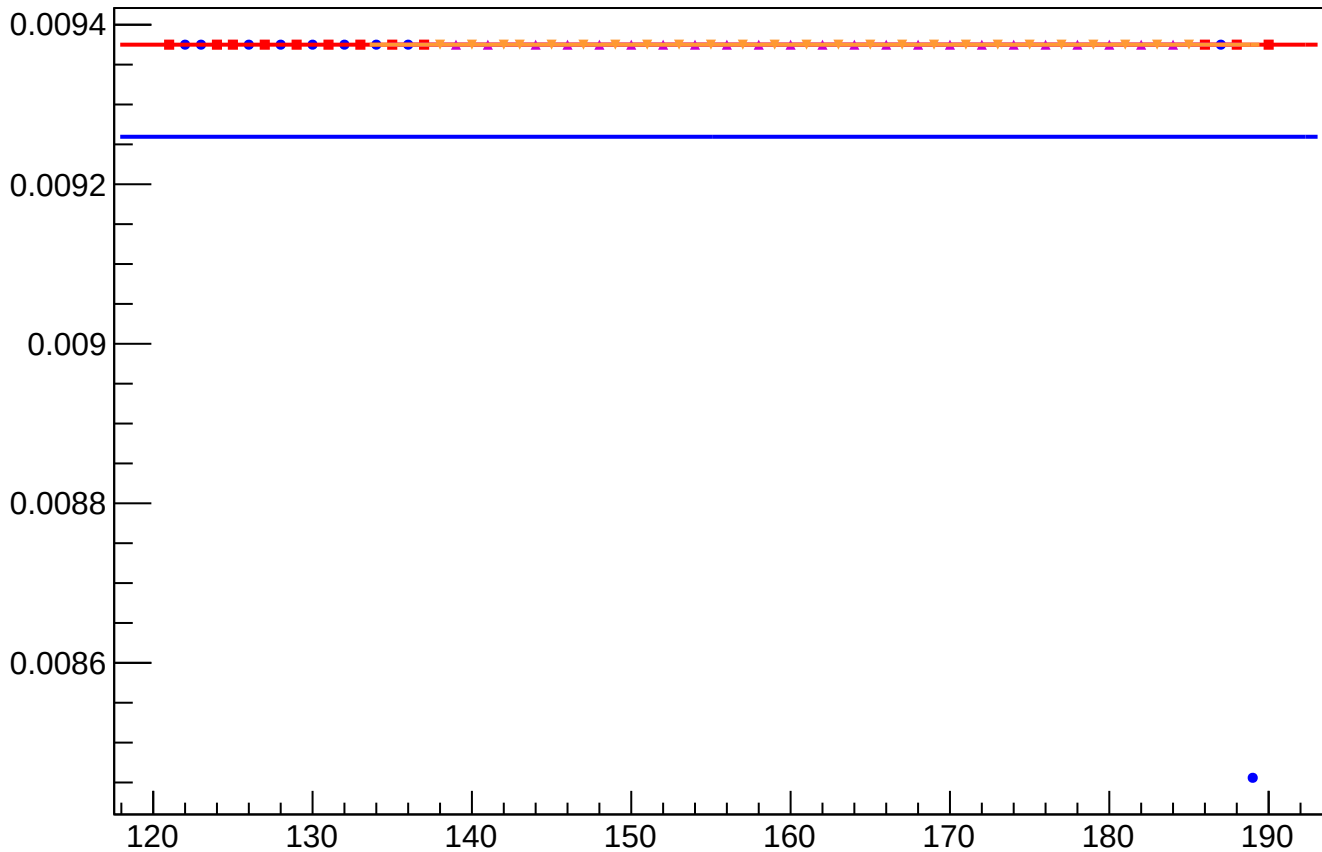
Left Out: 977.738+/-0.000 χ^2/NDF : 1154150409979077132991401558016.0/24

Right Out: 977.750+/-0.000 χ^2/NDF : 978547533597411052030357667840.0/11

Left In: 977.735+/-0.000 χ^2/NDF : 976503887937607318263199432704.0/22

All: 976.679+/-0.000 χ^2/NDF : 463069175223

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 37671655407852576596557824.0/9

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/11

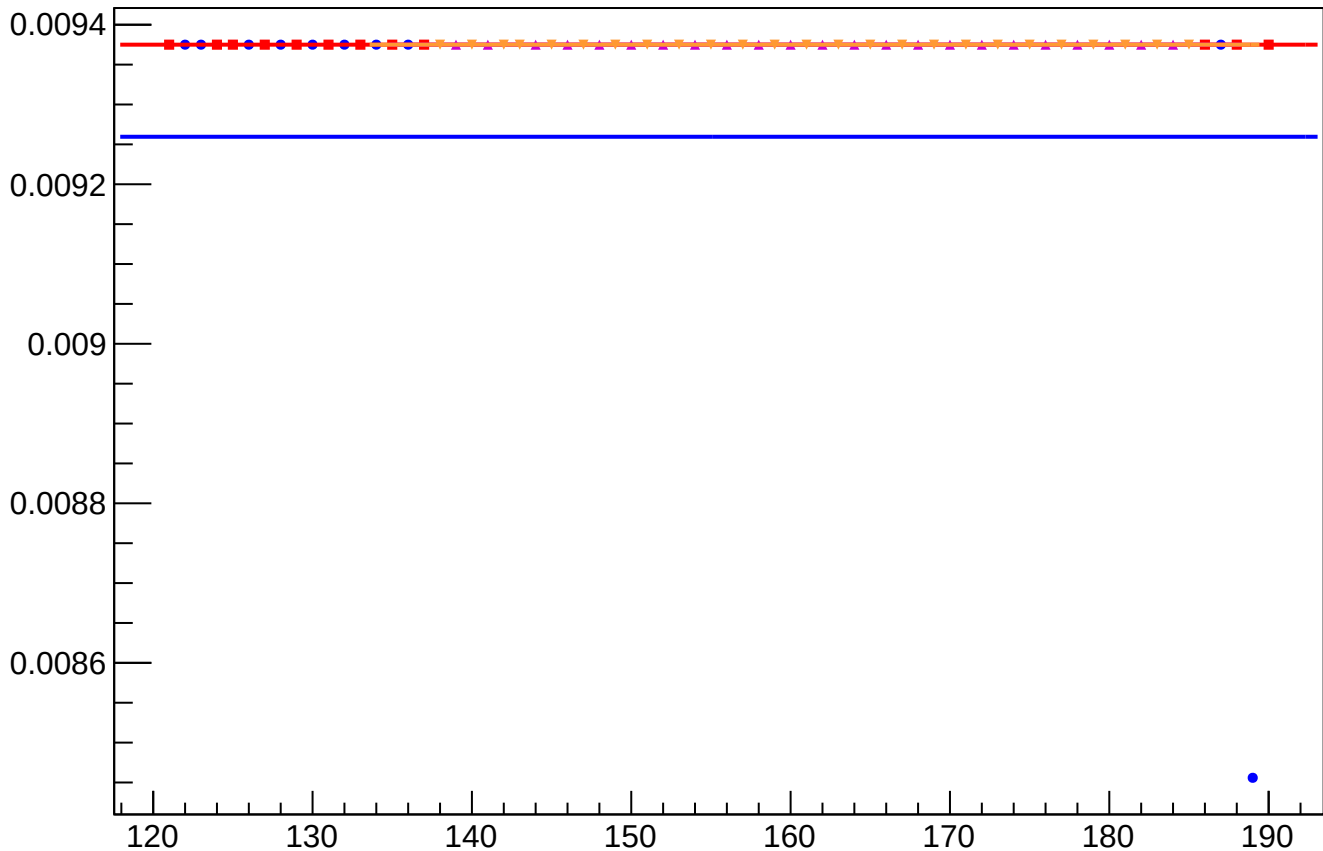
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42134906707176529

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42607319388300

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/34

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 37671655407852576596557824.0/9

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/11

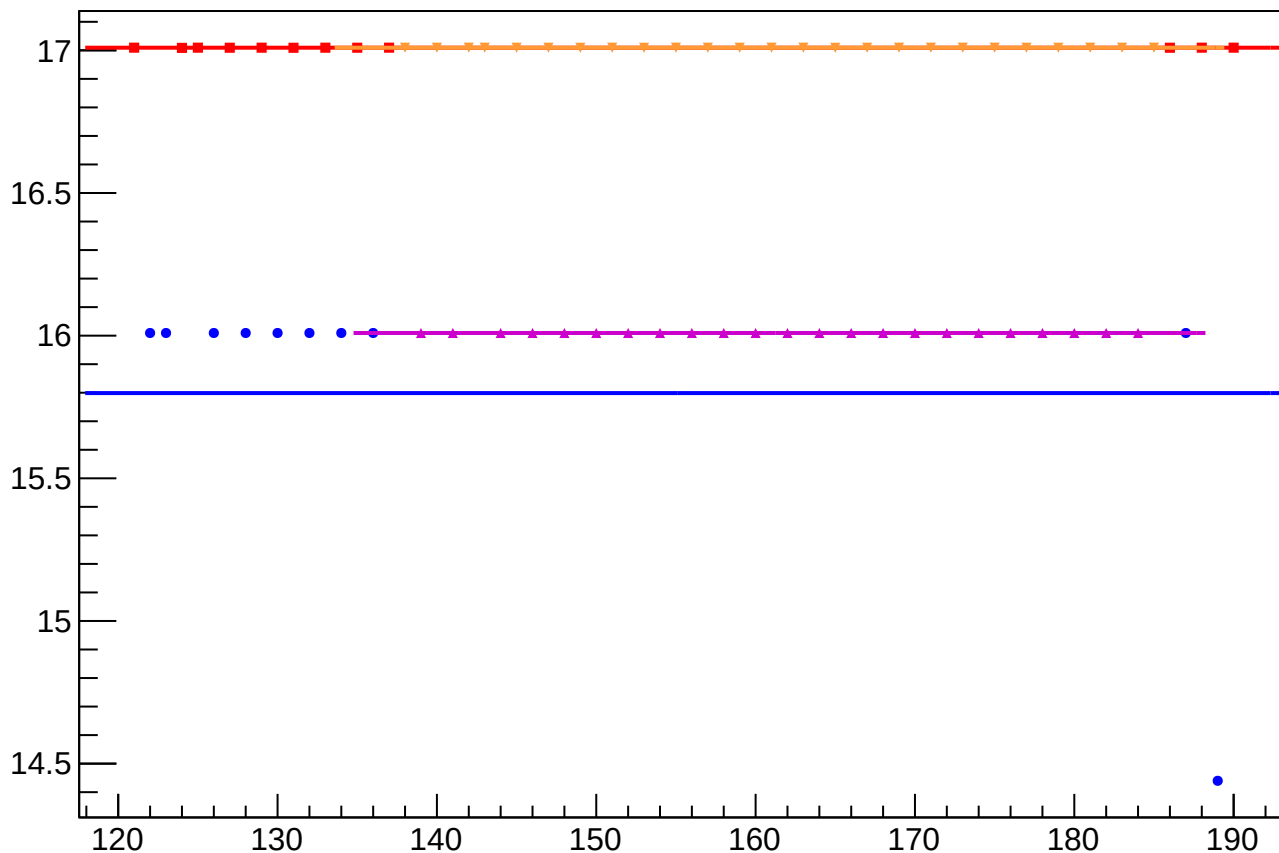
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42134906707176529

All: 0.009+/-0.000 χ^2/NDF : 42607319388300

- sign 0.009+/-0.000 χ^2/NDF : 0.2/34

IGL1I00DI24_24M_mean vs Slug



Right In: 15.799+/-0.000 χ^2/NDF : 108775450098059645296703598231552.0/9

Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24

Right Out: 17.009+/-0.000 χ^2/NDF : 10412739661359073263091712.0/11

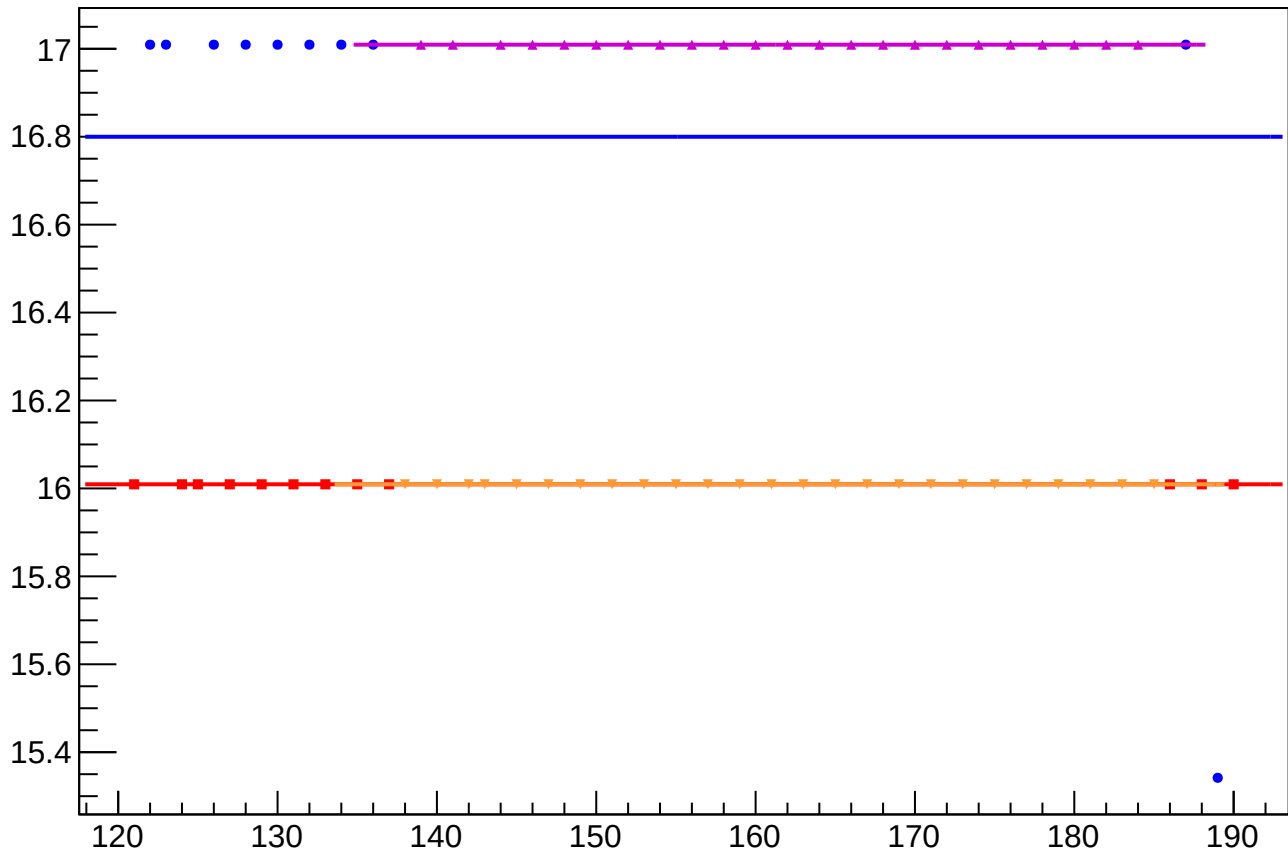
Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

+ sign 16.796+/-0.000 χ^2/NDF : 5674380871123390

All: 16.512+/-0.000 χ^2/NDF : 1282418558496

- sign 16.228+/-0.000 χ^2/NDF : 3673246296658170

IGL1I00OD16_16_mean vs Slug



Right In: 16.800+/-0.000 χ^2/NDF : 124007760372804678512643332374528.0/9

Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24

Right Out: 16.009+/-0.000 χ^2/NDF : 145301.9/11

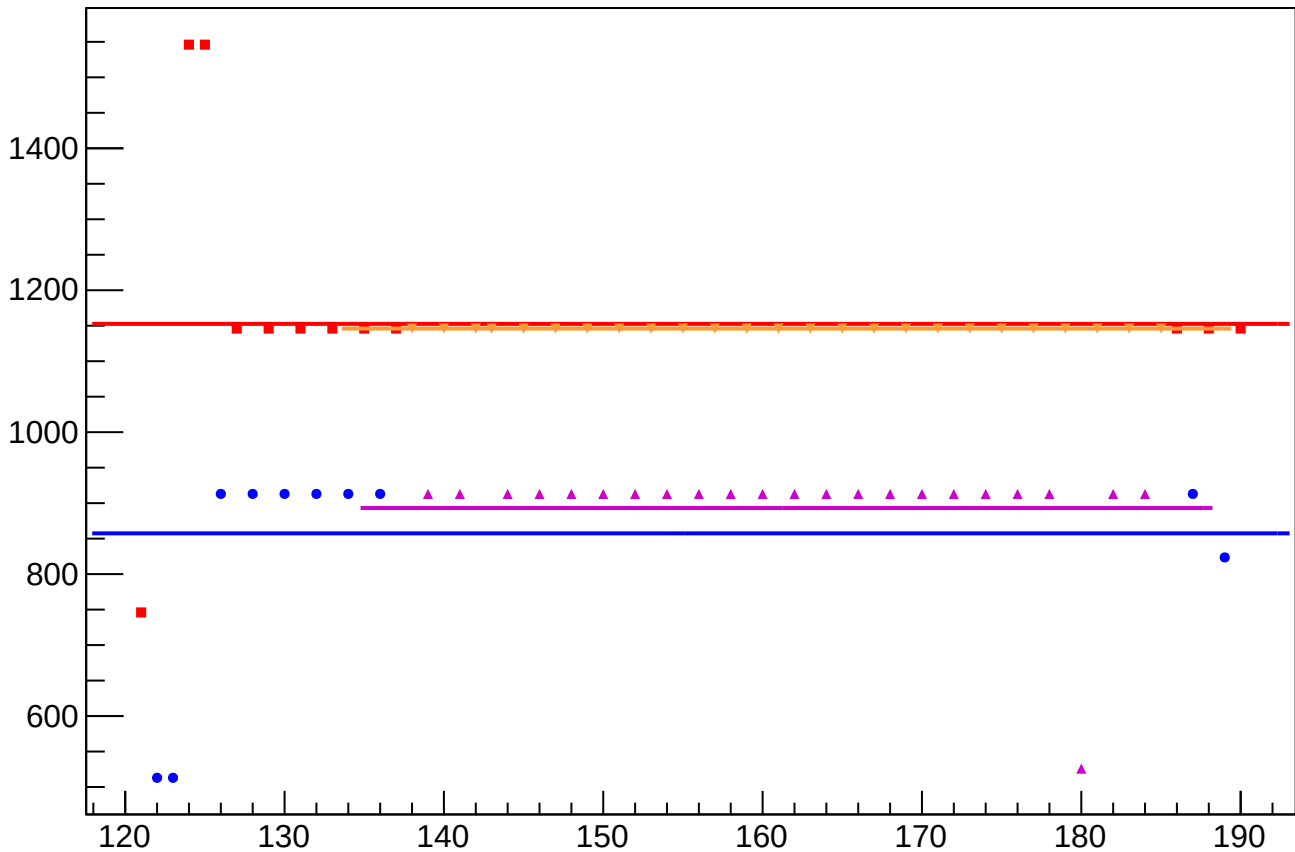
Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

+ sign 16.149+/-0.000 χ^2/NDF : 3327855324172898

All: 16.469+/-0.000 χ^2/NDF : 1185236977806

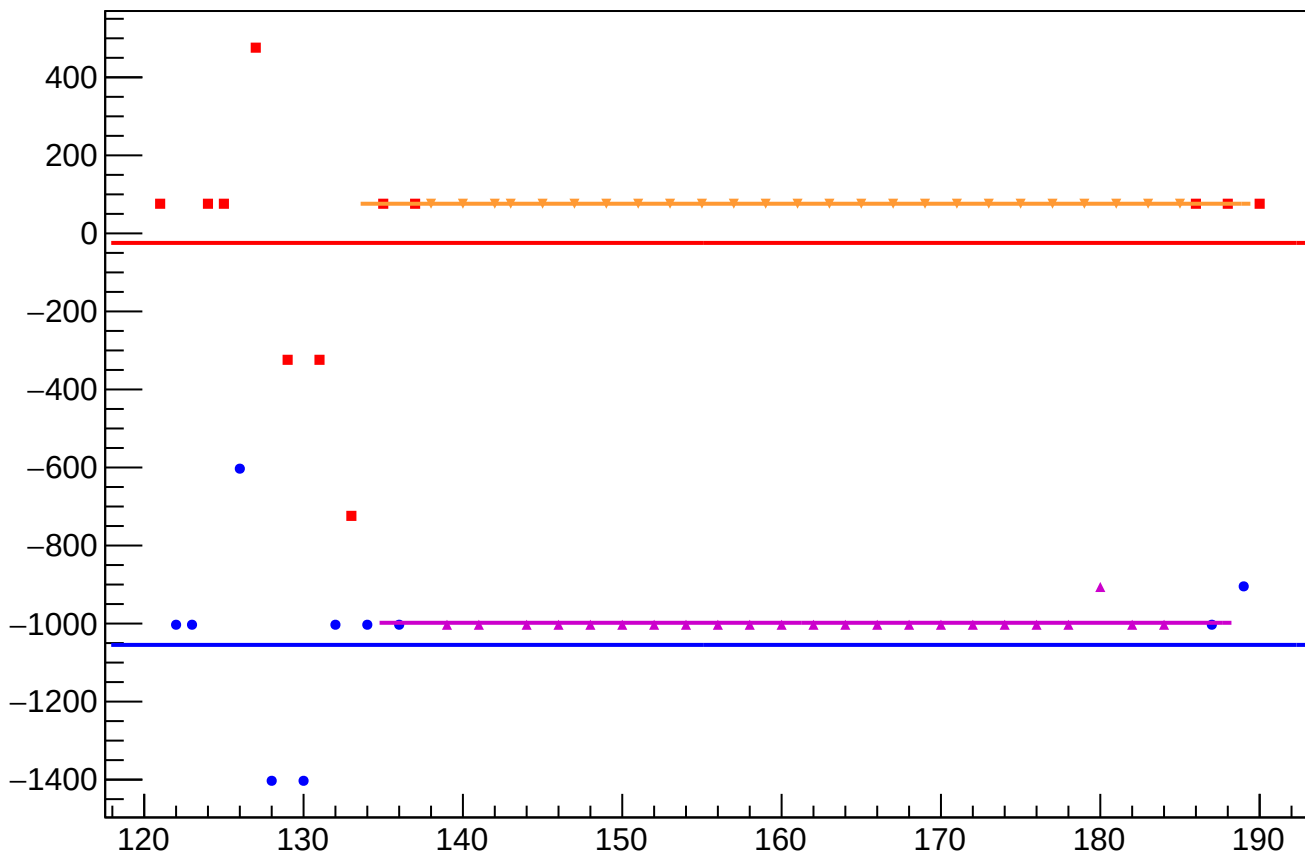
- sign 16.794+/-0.000 χ^2/NDF : 3811158804447958

RTPAPOSUCNT_mean vs Slug



Right In: 857.414+/-0.000 χ^2/NDF : 6354508219207121827863428688842326016.0/9
 Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24
 Right Out: 1152.594+/-0.000 χ^2/NDF : 13739597787856329541199961889060159488.0/11
 Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1054.676 $\pm$ 0.000 χ^2 /NDF: 22608131434739457083296378094400569344.0/9

Left Out: 76.011 $\pm$ 0.000 χ^2 /NDF: 11003263624957134120836661248.0/24

Right Out: -24.401 $\pm$ 0.000 χ^2 /NDF: 42139619660088584998369991234848555008.0/11

Left In: -998.020 $\pm$ 0.000 χ^2 /NDF: 826231736084035689068445378231140352.0/22

+ sign -122.201 $\pm$ 0.000 χ^2 /NDF: 45066938741489

All: -455.732 $\pm$ 0.000 χ^2 /NDF: 13742646635

- sign -792.022 $\pm$ 0.000 χ^2 /NDF: 406187367882417