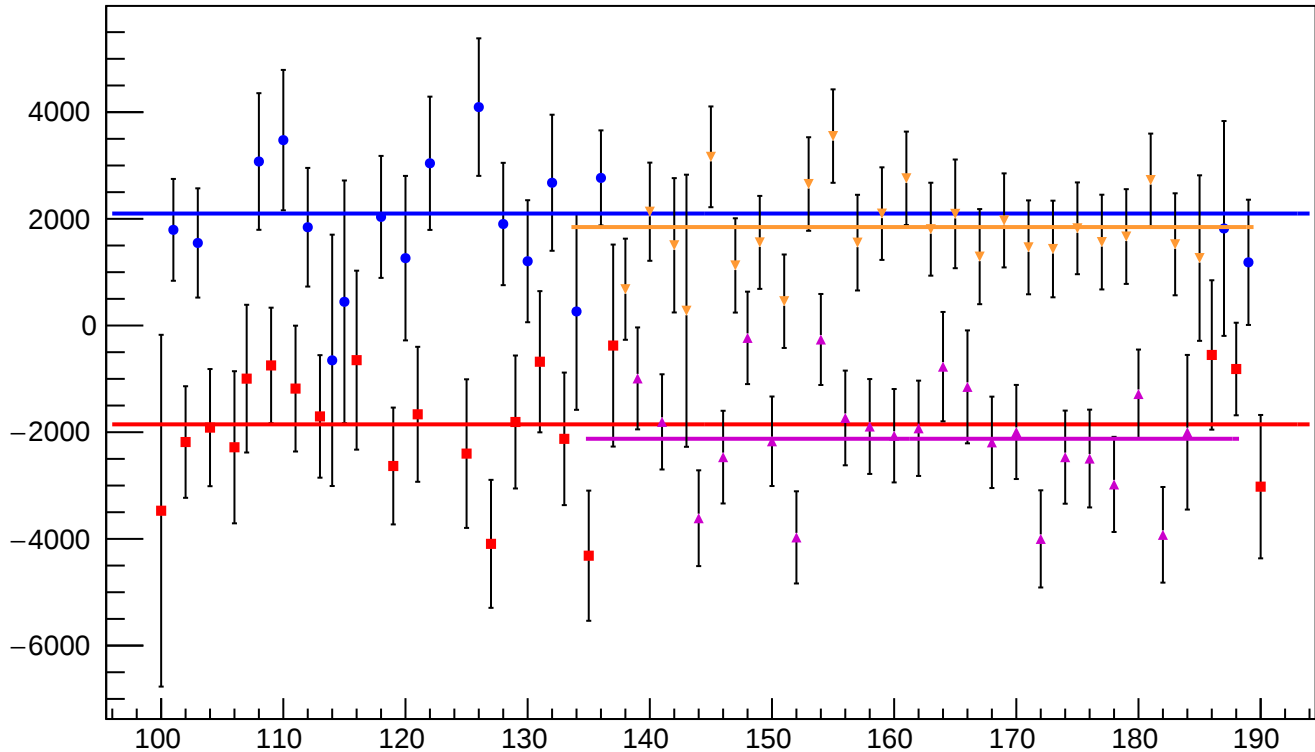


reg_asym_us_avg_mean vs Slug



Right In: 2099.413+/-294.712

χ^2/NDF : 10.3/17

Left Out: 1845.799+/-186.902

χ^2/NDF : 15.5/24

Right Out: -1852.727+/-273.111

χ^2/NDF : 15.5/20

Left In: -2123.138+/-188.684

χ^2/NDF : 32.0/22

+ sign 1918.543+/-157.837

χ^2/NDF : 26.3/42

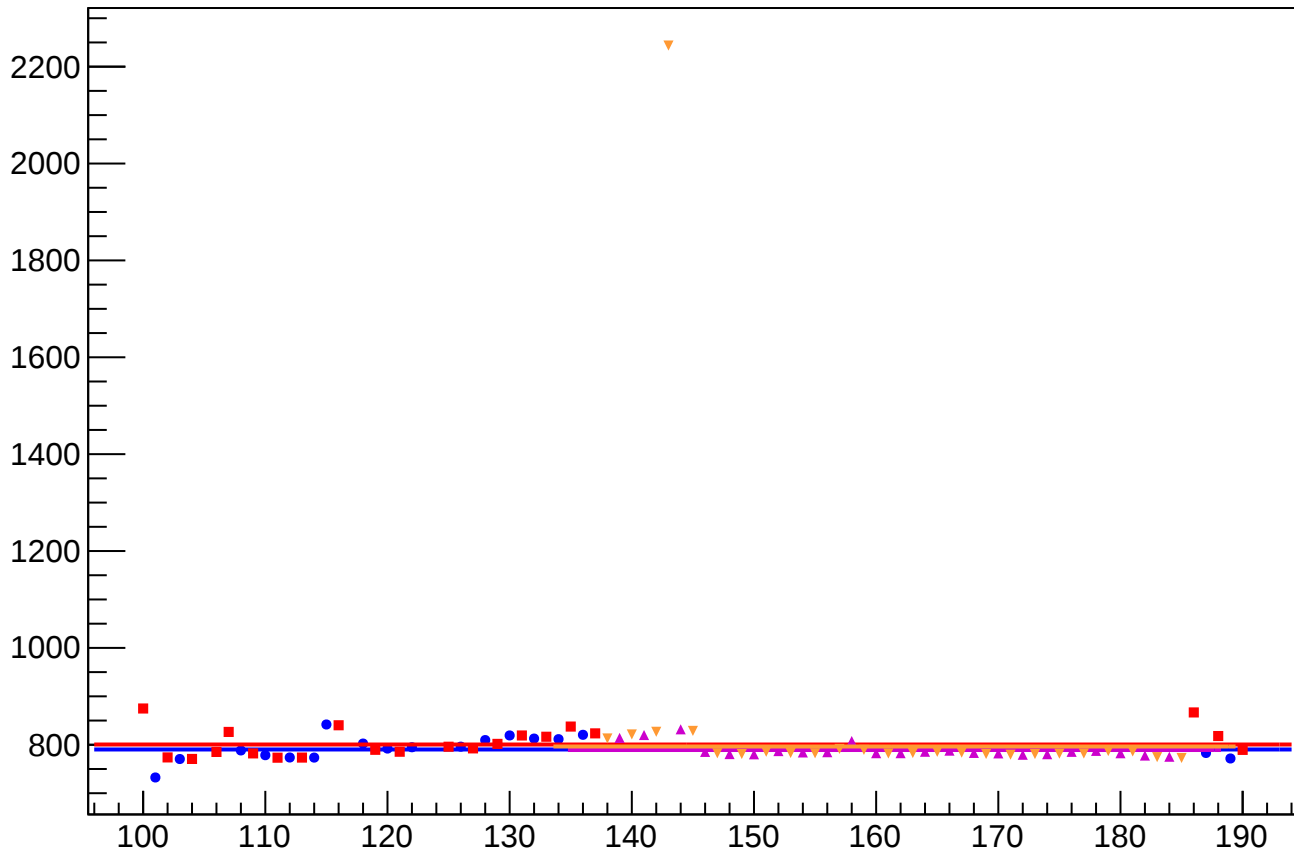
All: -91.429+/-110.678

χ^2/NDF : 393.5/86

- sign -2035.771+/-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

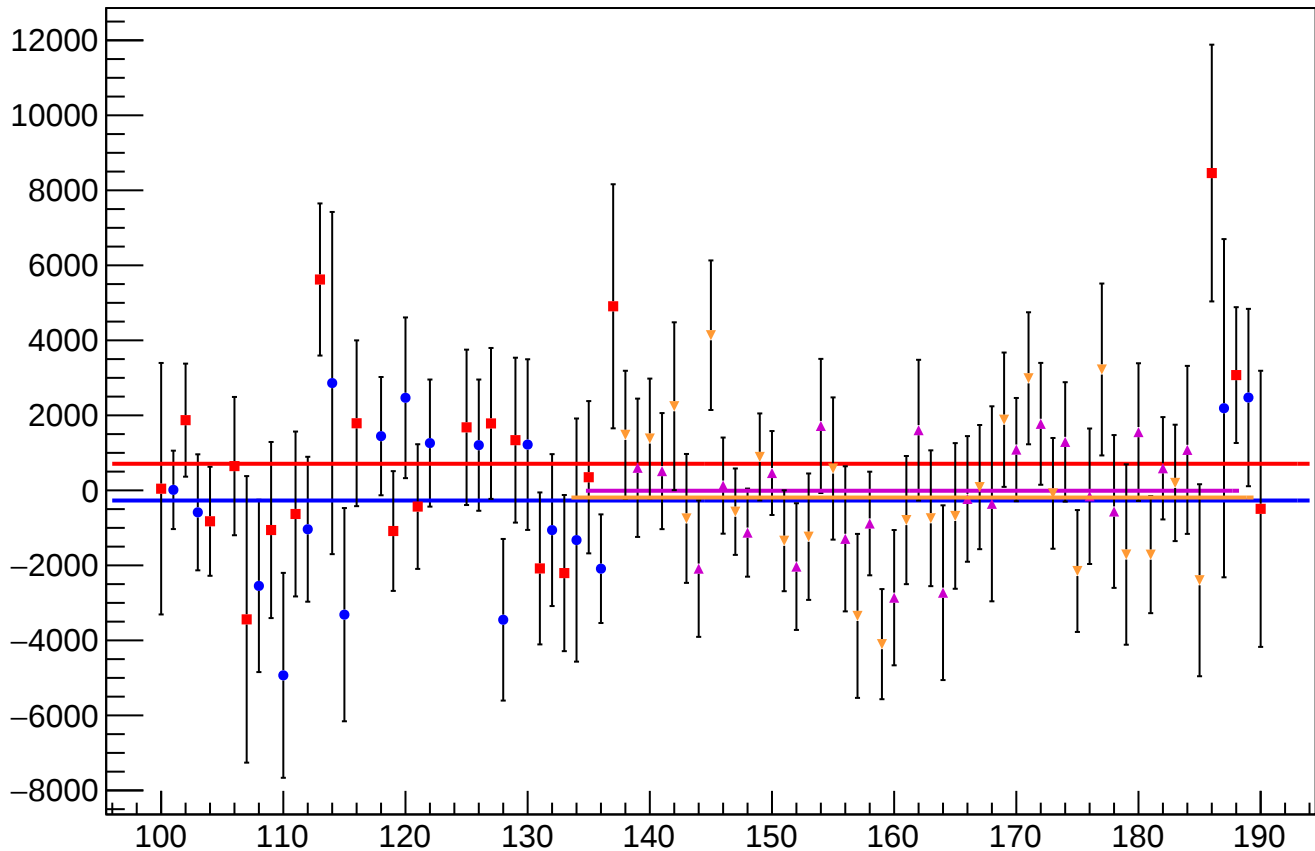
Left In: 789.185 ± 0.133 χ^2/NDF : 11343.2/22

+ 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

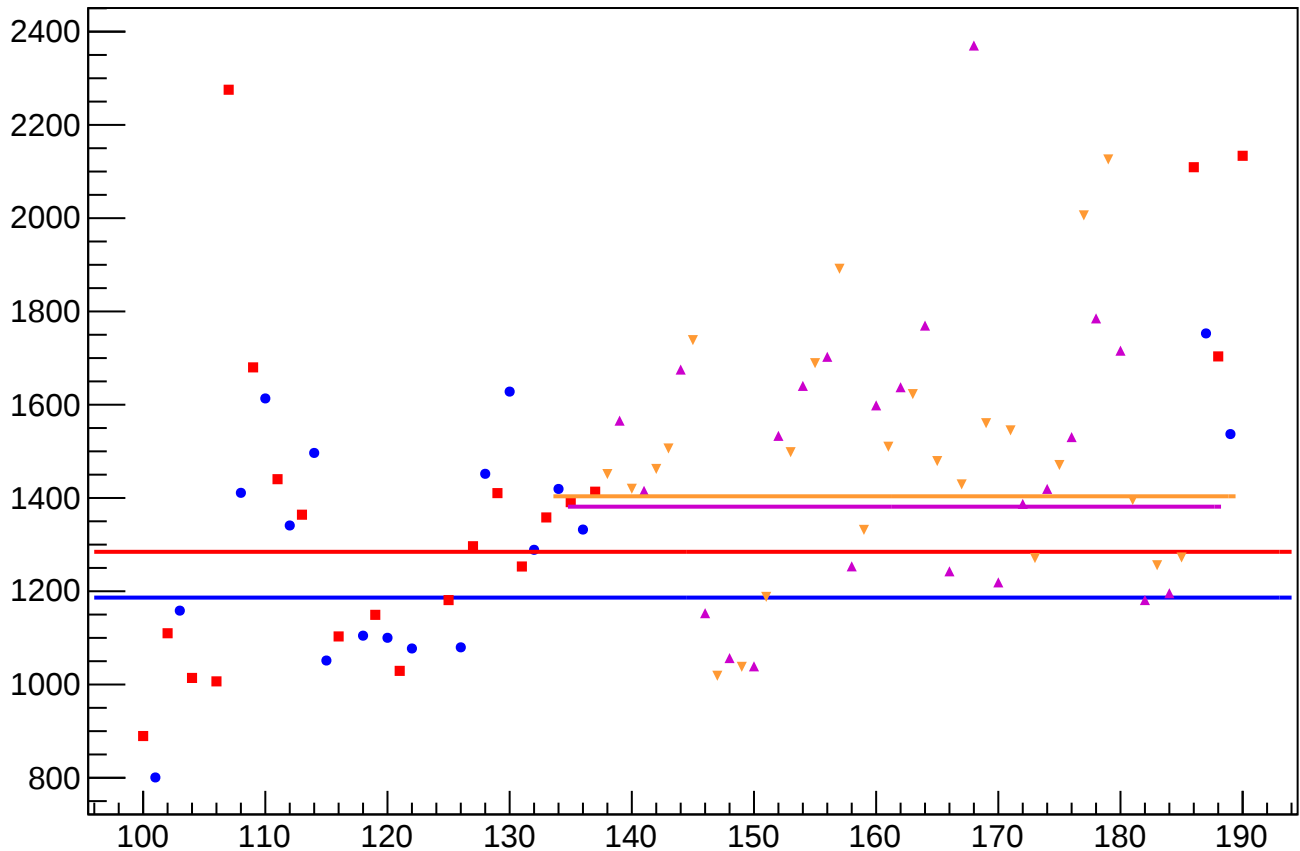
Left In: -10.093+/-337.810 χ^2/NDF : 14.2/22

+ 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

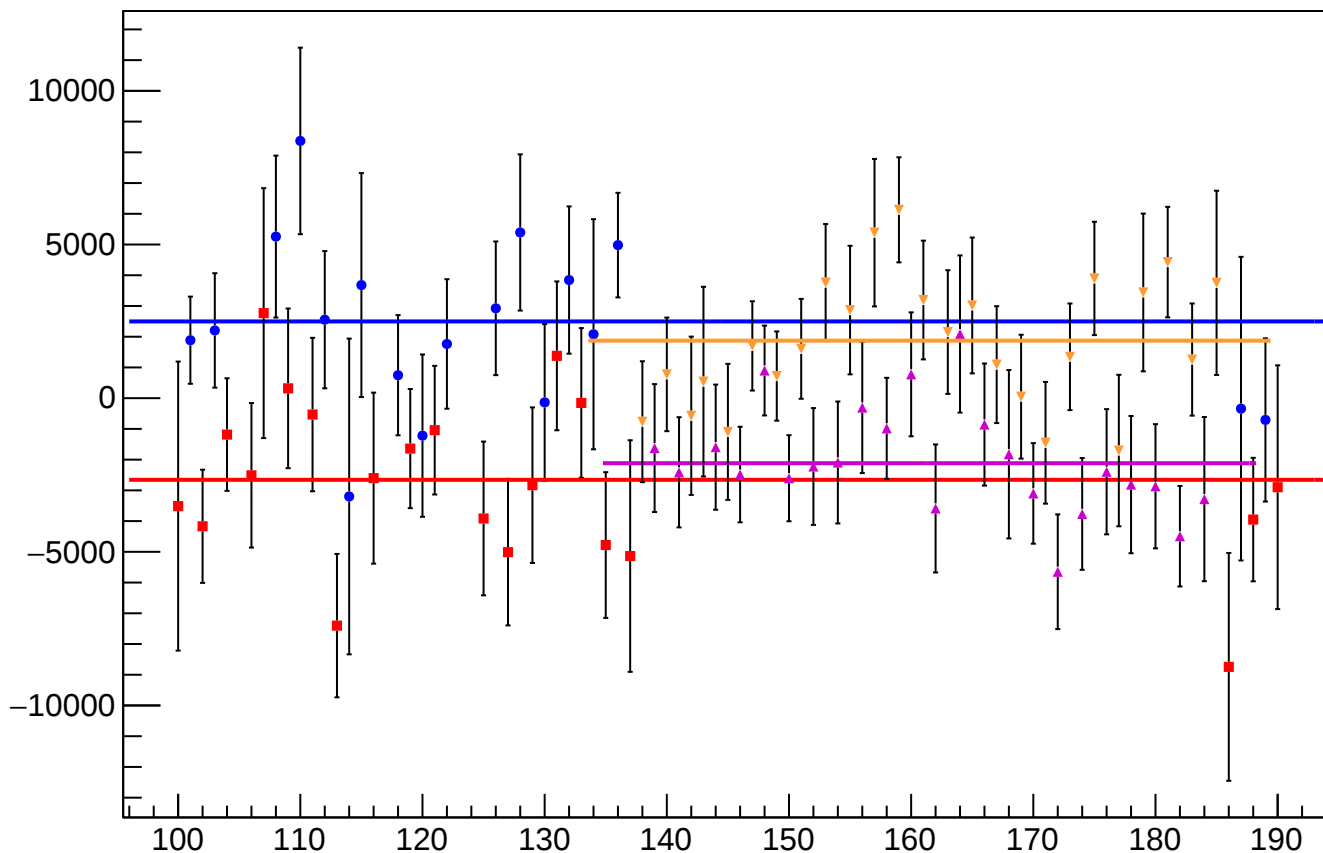
Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF:1276488.2/22

+ 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

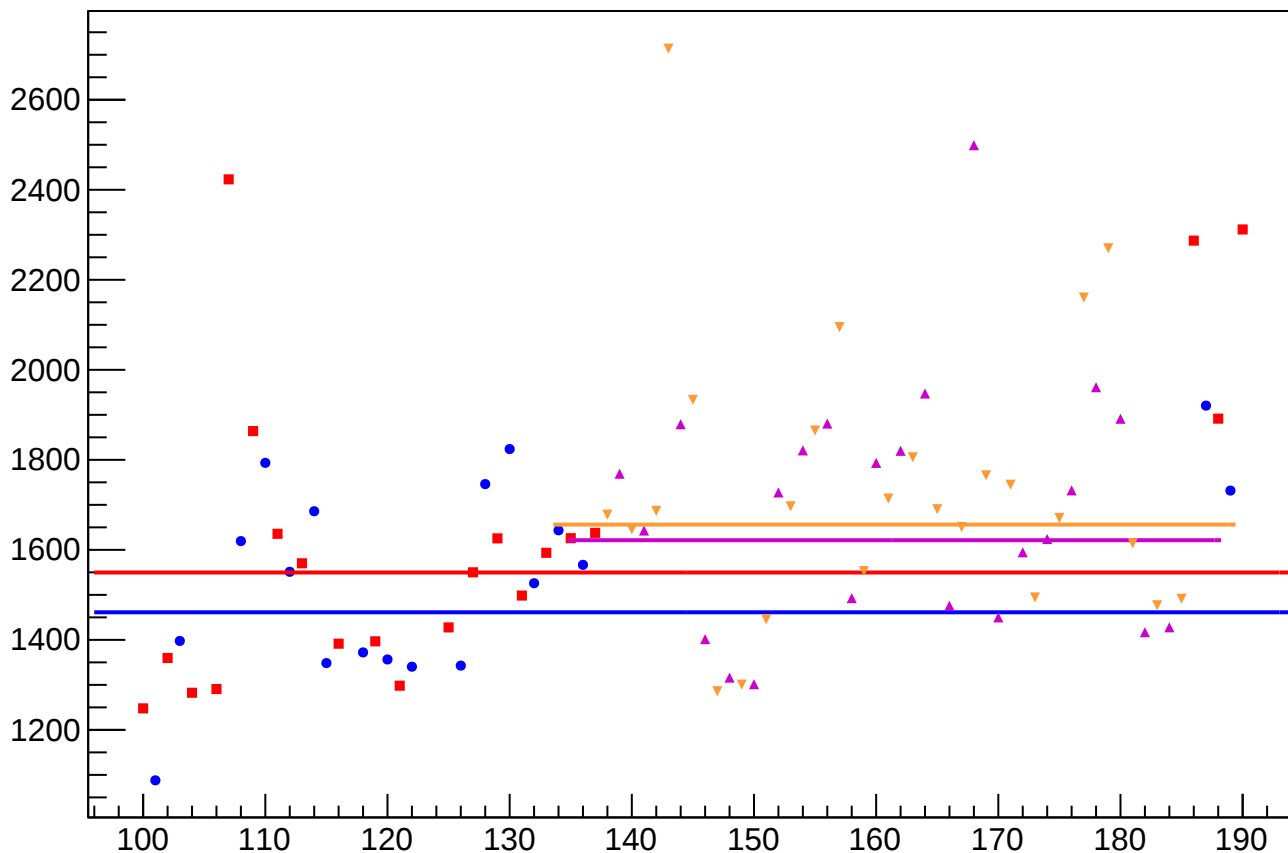
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ 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

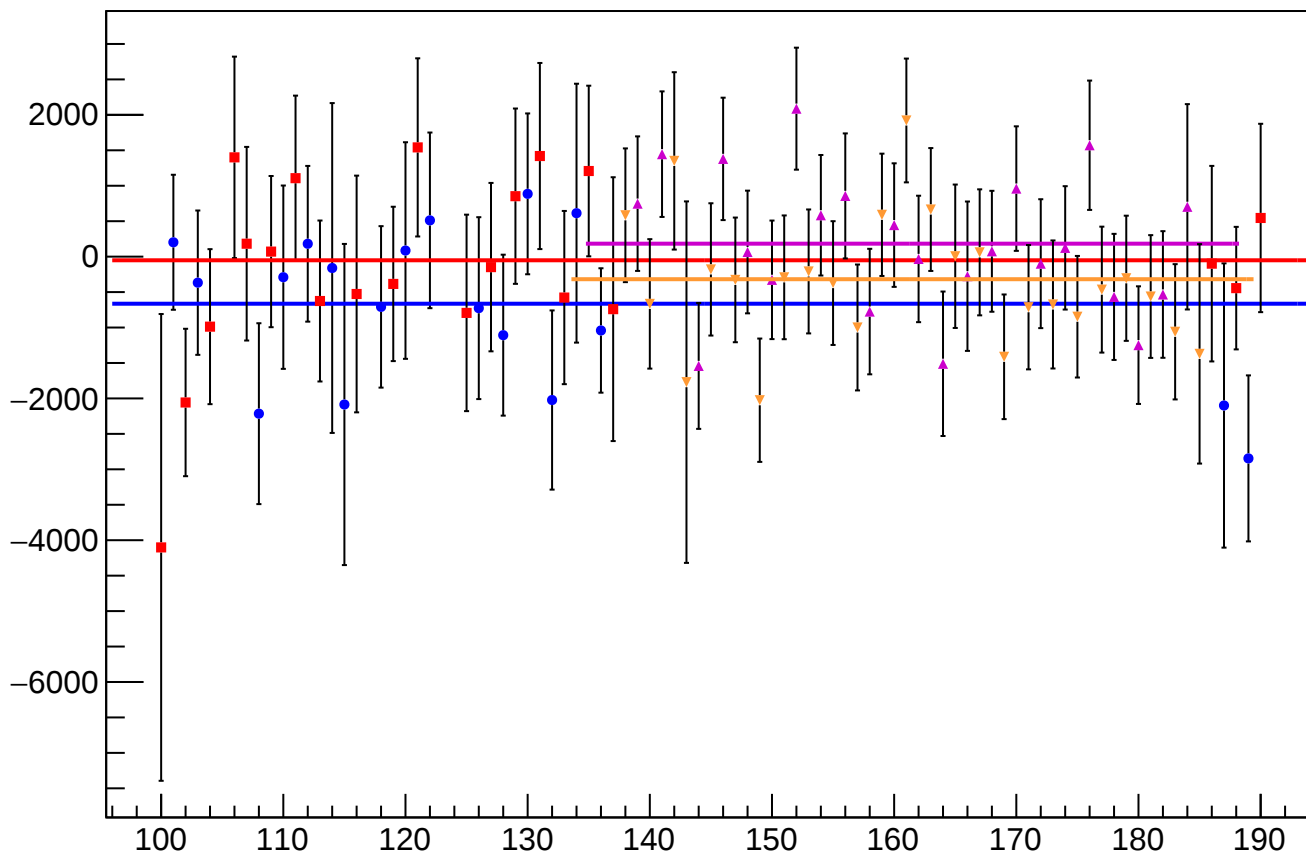
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ 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 $\pm$ 292.304 χ^2 /NDF: 12.5/17

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

Right Out: -51.402 $\pm$ 270.587 χ^2 /NDF: 14.0/20

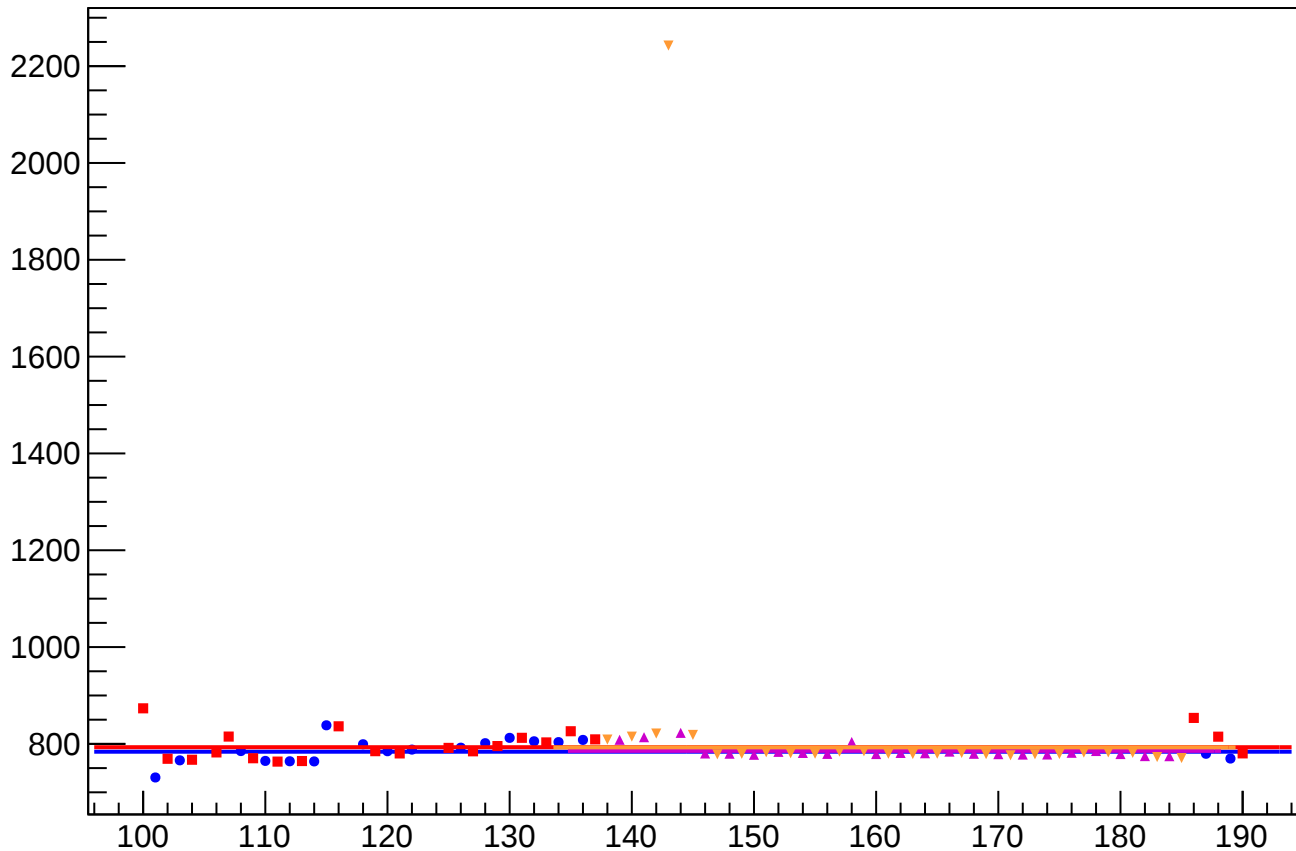
Left In: 182.895 $\pm$ 187.817 χ^2 /NDF: 26.1/22

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

All: -151.172 $\pm$ 110.028 χ^2 /NDF: 80.2/86

- sign 106.715 $\pm$ 154.292 χ^2 /NDF: 40.6/43

reg_asym_us_dd_rms vs Slug



Right In: 783.862 ± 0.207 χ^2/NDF : 14138.7/17

Left Out: 792.791 ± 0.132 χ^2/NDF : 659510.7/24

Right Out: 793.175 ± 0.191 χ^2/NDF : 16781.6/20

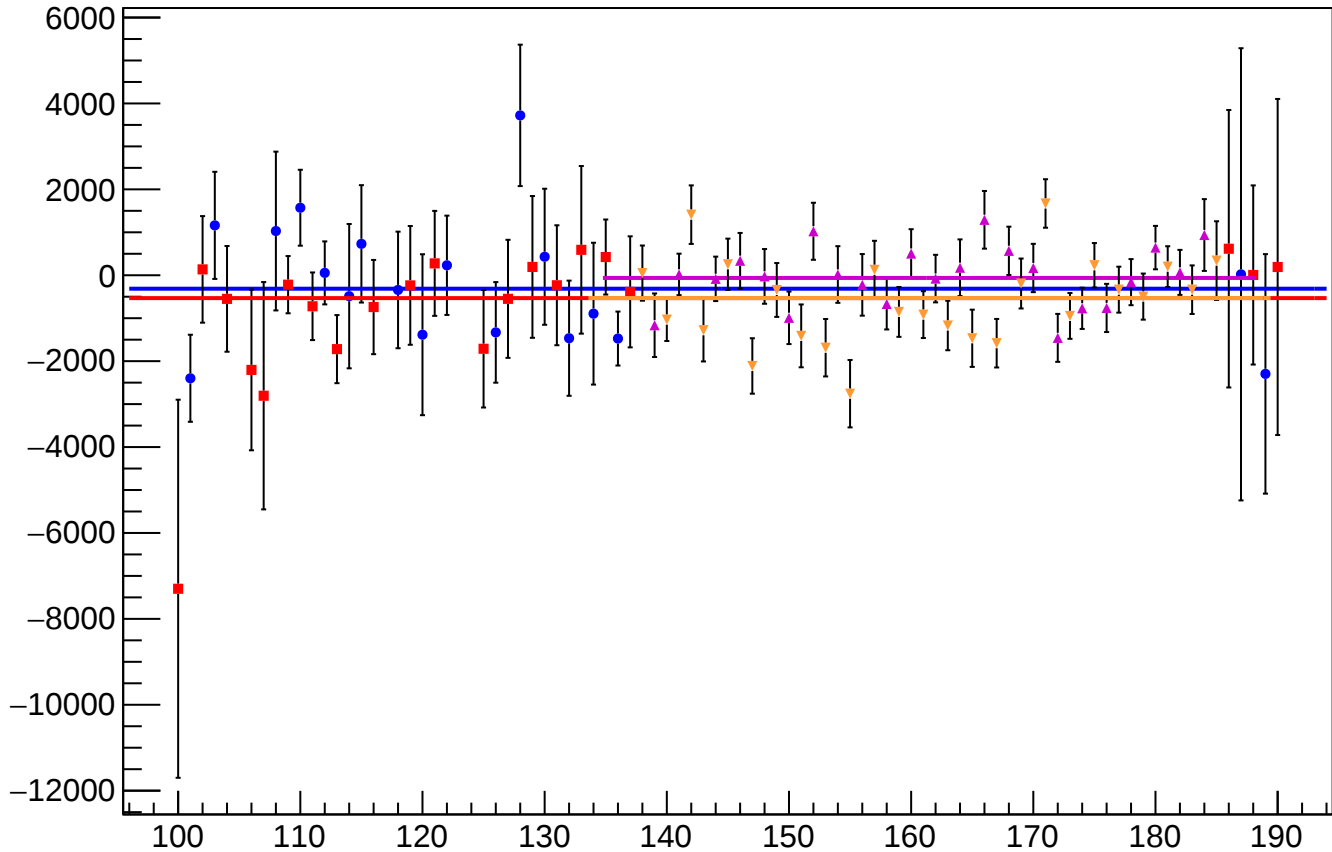
Left In: 785.592 ± 0.133 χ^2/NDF : 9373.7/22

+ sign 790.217 ± 0.111 χ^2/NDF : 674977.8/42

All: 789.119 ± 0.078 χ^2/NDF : 702385.7/86

- sign 788.058 ± 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

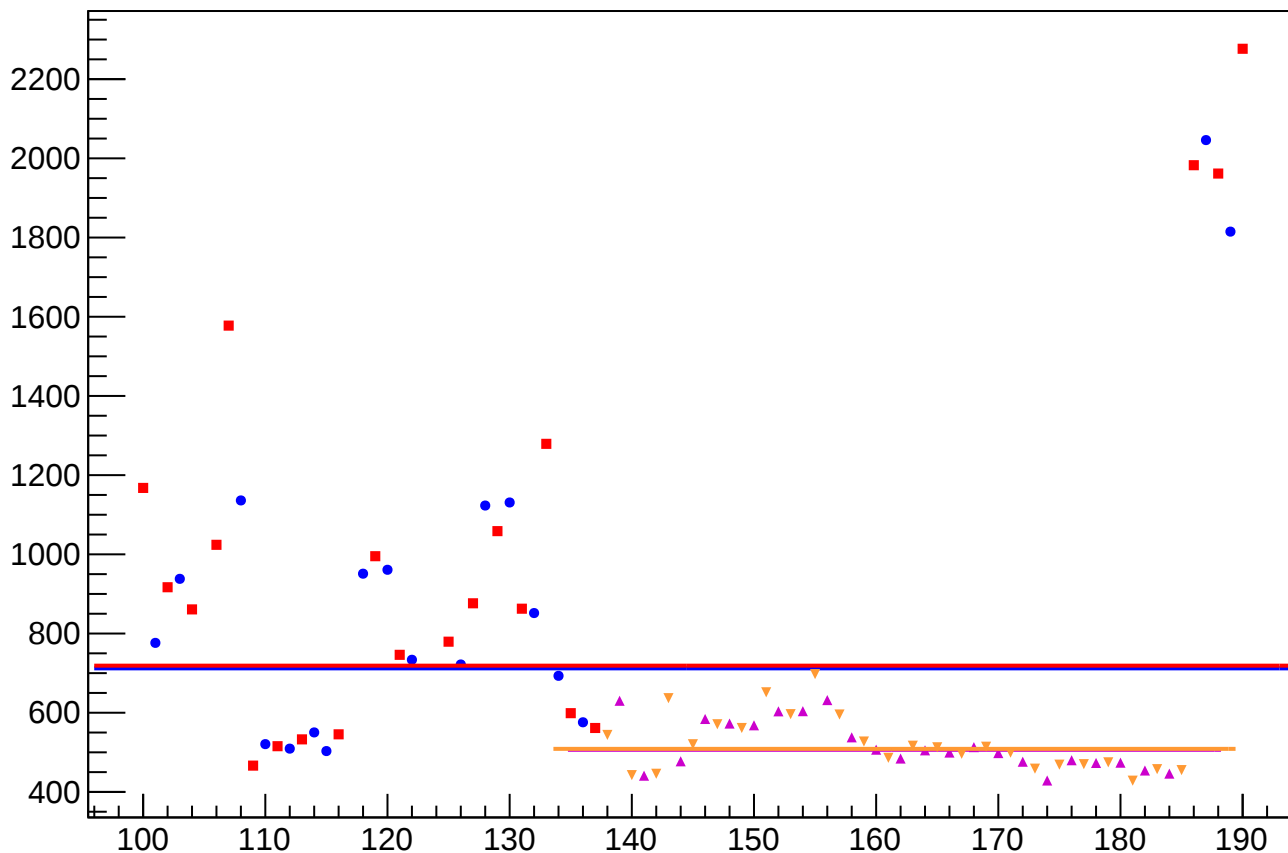
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ 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

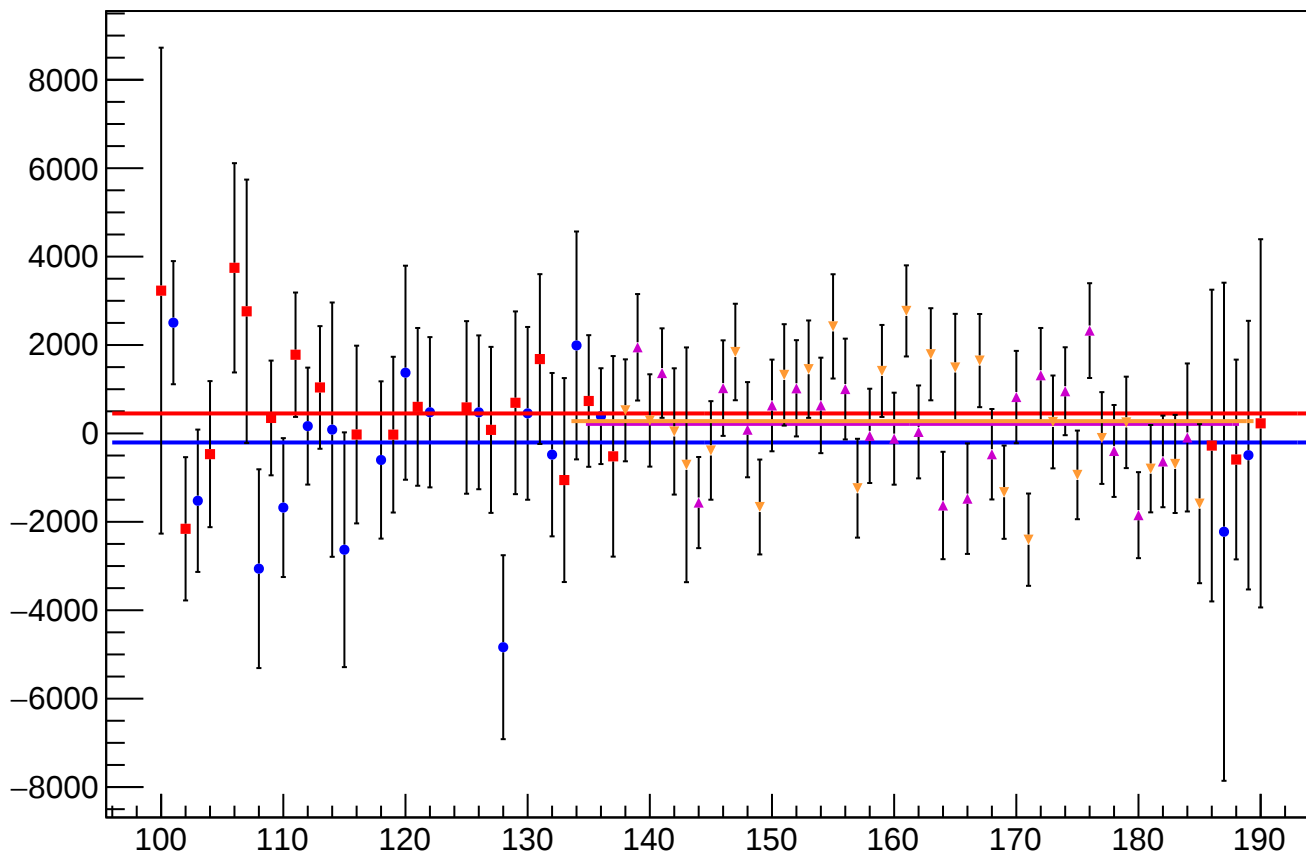
Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

+ 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 χ^2/NDF : 14.9/17

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

Right Out: 451.868+/-415.521 χ^2/NDF : 8.3/20

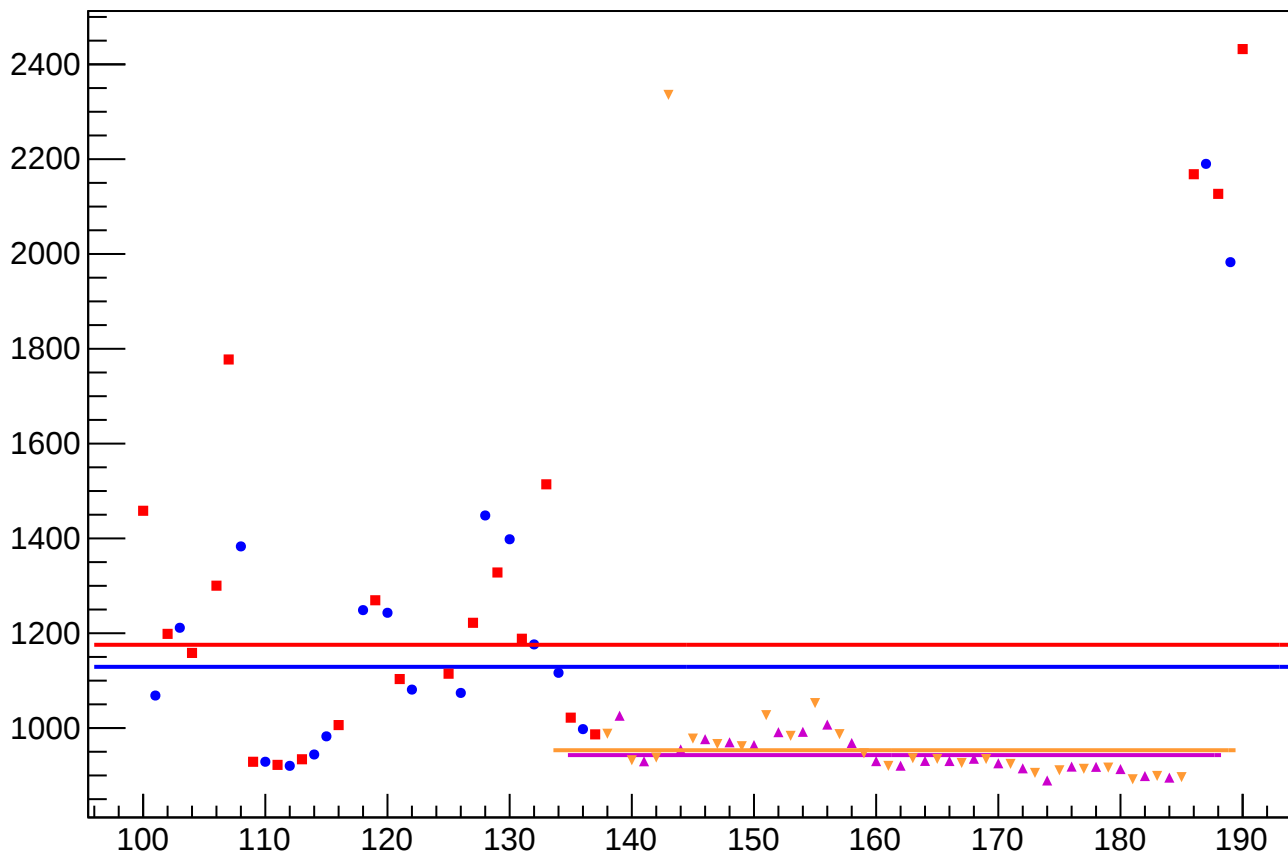
Left In: 216.121+/-225.600 χ^2/NDF : 24.4/22

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

All: 222.428+/-140.203 χ^2/NDF : 87.4/86

- sign 269.793+/-198.263 χ^2/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

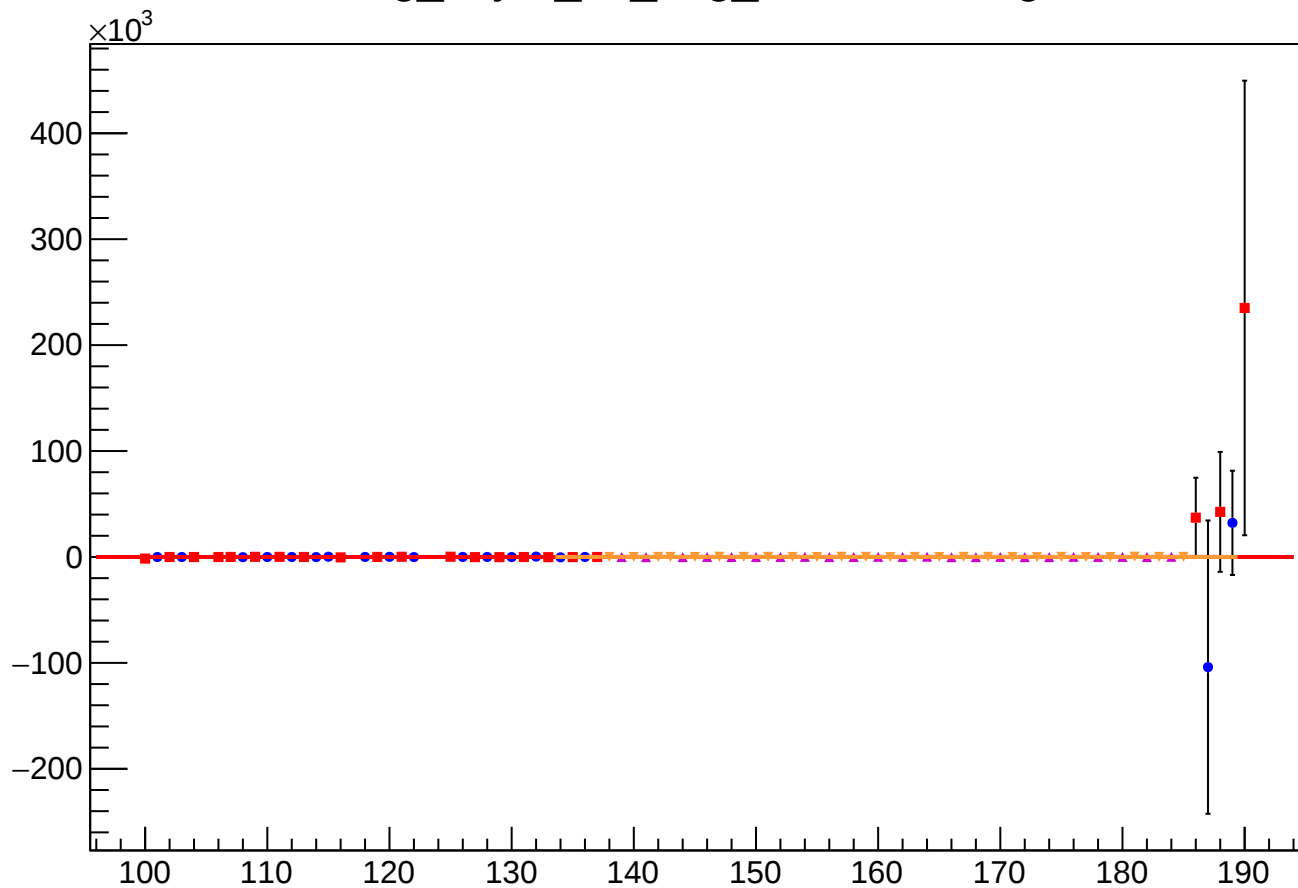
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ 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+/-0.021 χ^2/NDF : 1144634.8/17

Left Out: 89.483+/-0.015 χ^2/NDF : 470330.2/24

Right Out: 79.397+/-0.022 χ^2/NDF : 2016978.3/20

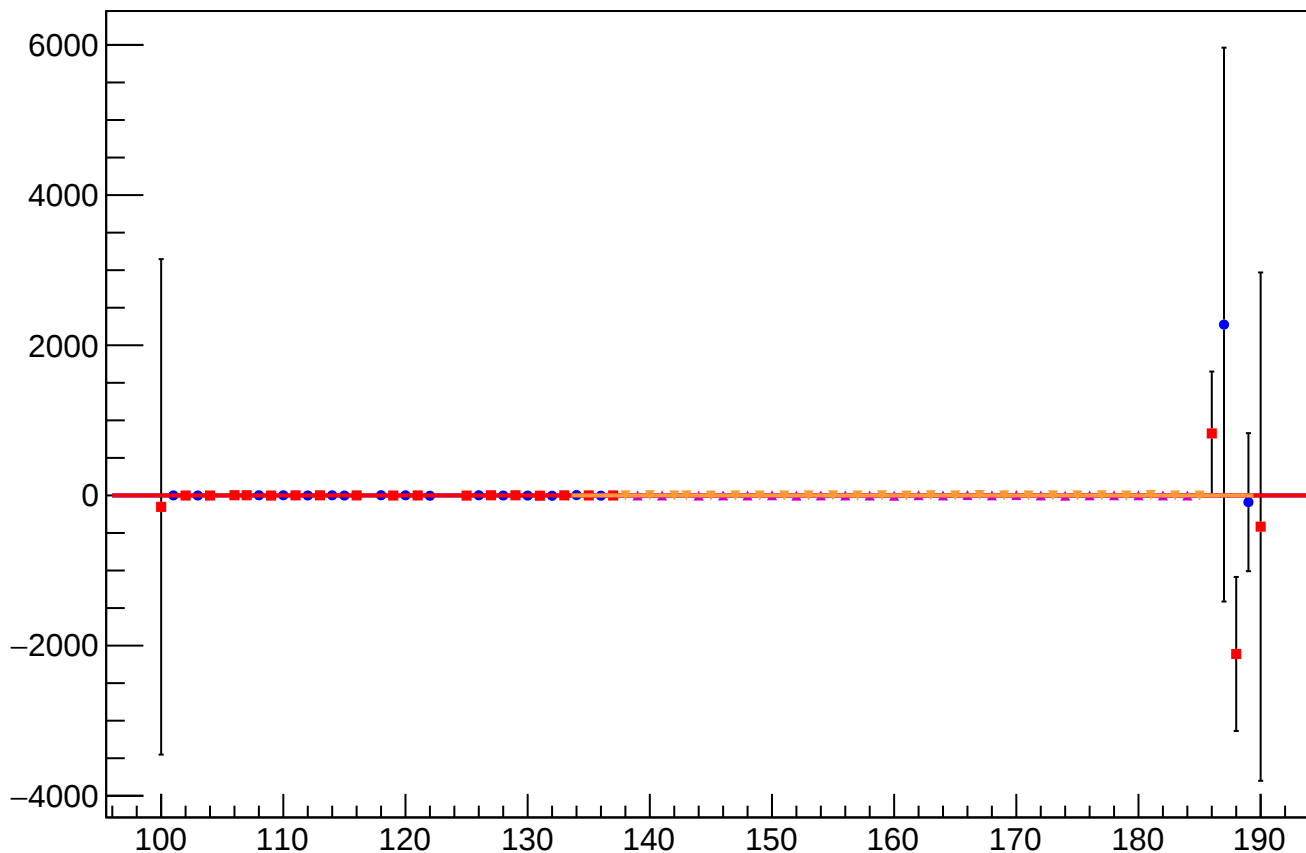
Left In: 89.596+/-0.015 χ^2/NDF : 508511.1/22

+ sign 85.088+/-0.012 χ^2/NDF : 1883445.0/42

All: 85.626+/-0.009 χ^2/NDF : 4561995.6/86

- sign 86.191+/-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

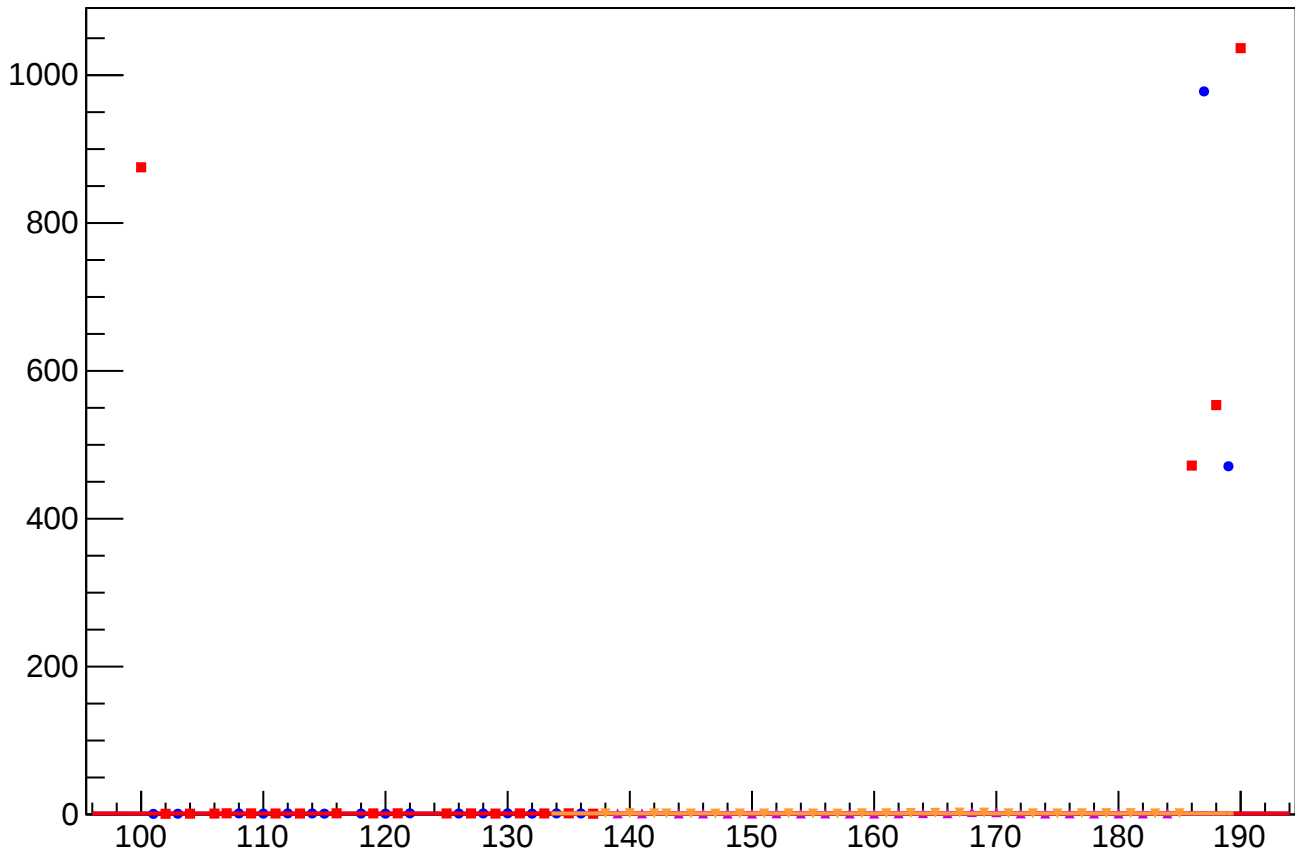
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ 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

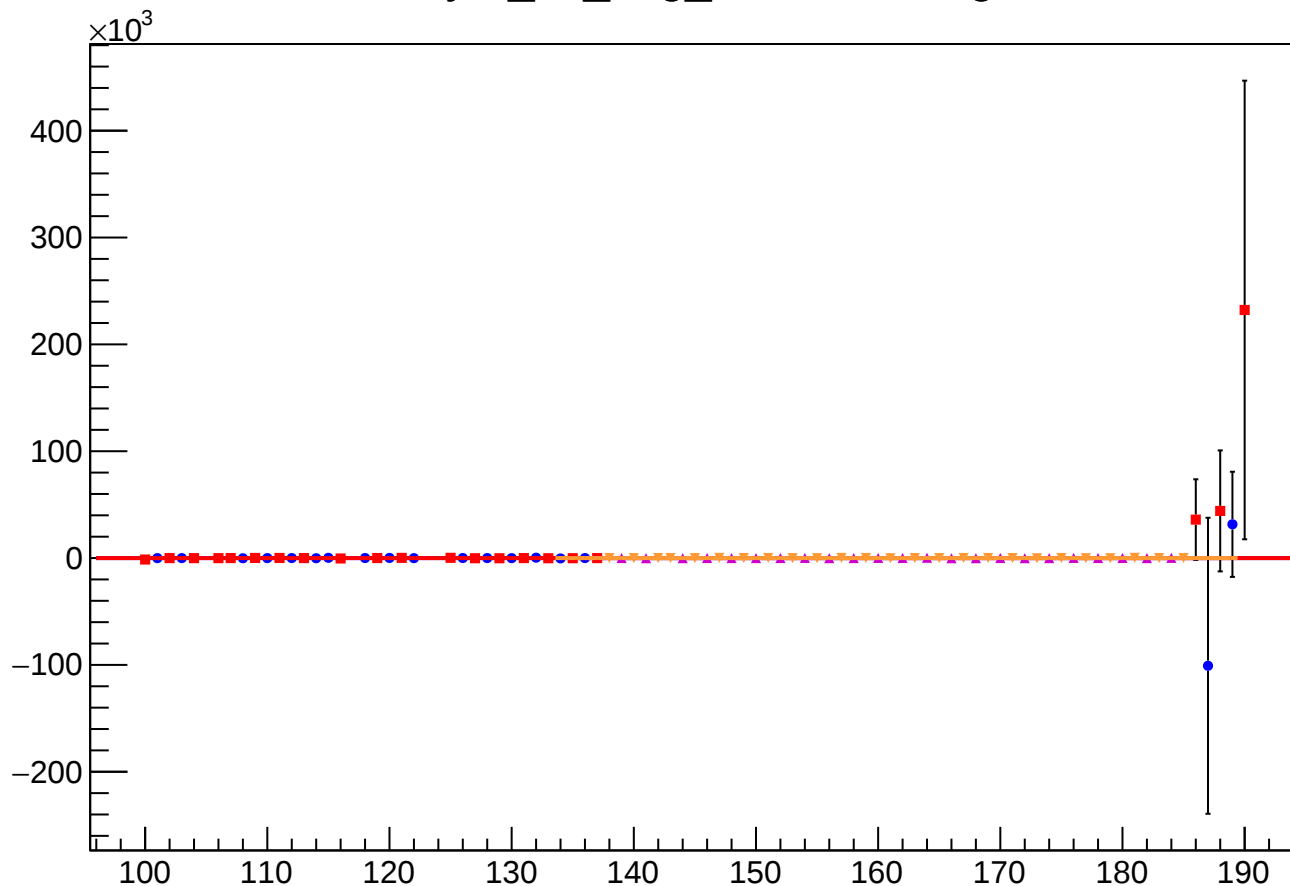
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ 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 $\pm$ 0.021 χ^2 /NDF: 1144655.0/17

Left Out: 89.510 $\pm$ 0.015 χ^2 /NDF: 471081.1/24

Right Out: 79.401 $\pm$ 0.022 χ^2 /NDF: 2023508.4/20

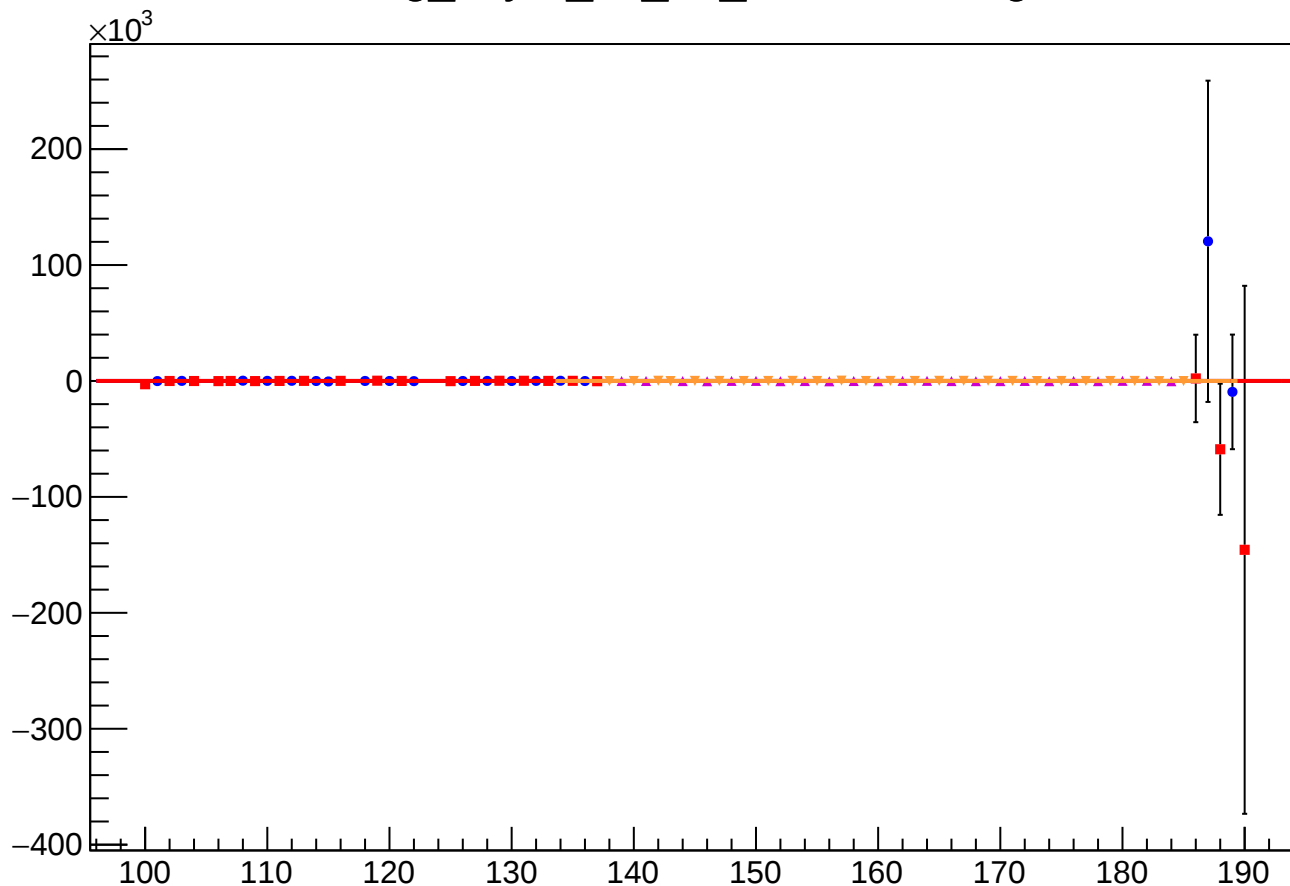
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.112 $\pm$ 0.012 χ^2 /NDF: 1884335.0/42

All: 85.648 $\pm$ 0.009 χ^2 /NDF: 4570849.5/86

- sign 86.210 $\pm$ 0.012 χ^2 /NDF: 2682540.7/43

reg_asym_ds_dd_mean vs Slug



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

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

Right Out: 25.756 ± 30.473 $\chi^2/\text{NDF}: 14.3/20$

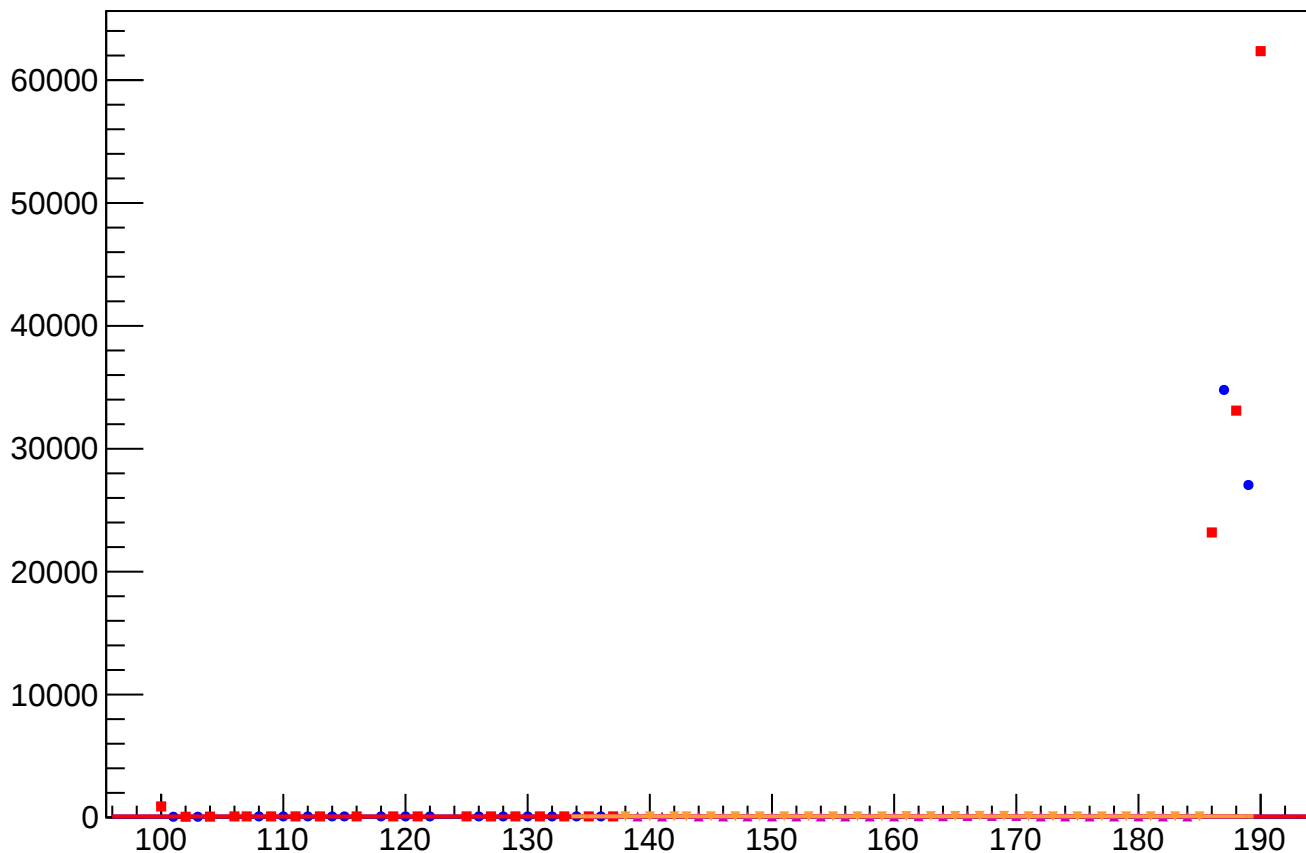
Left In: -43.424 ± 21.593 $\chi^2/\text{NDF}: 31.4/22$

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

All: -5.133 ± 12.303 $\chi^2/\text{NDF}: 83.9/86$

- sign -20.299 ± 17.618 $\chi^2/\text{NDF}: 49.2/43$

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

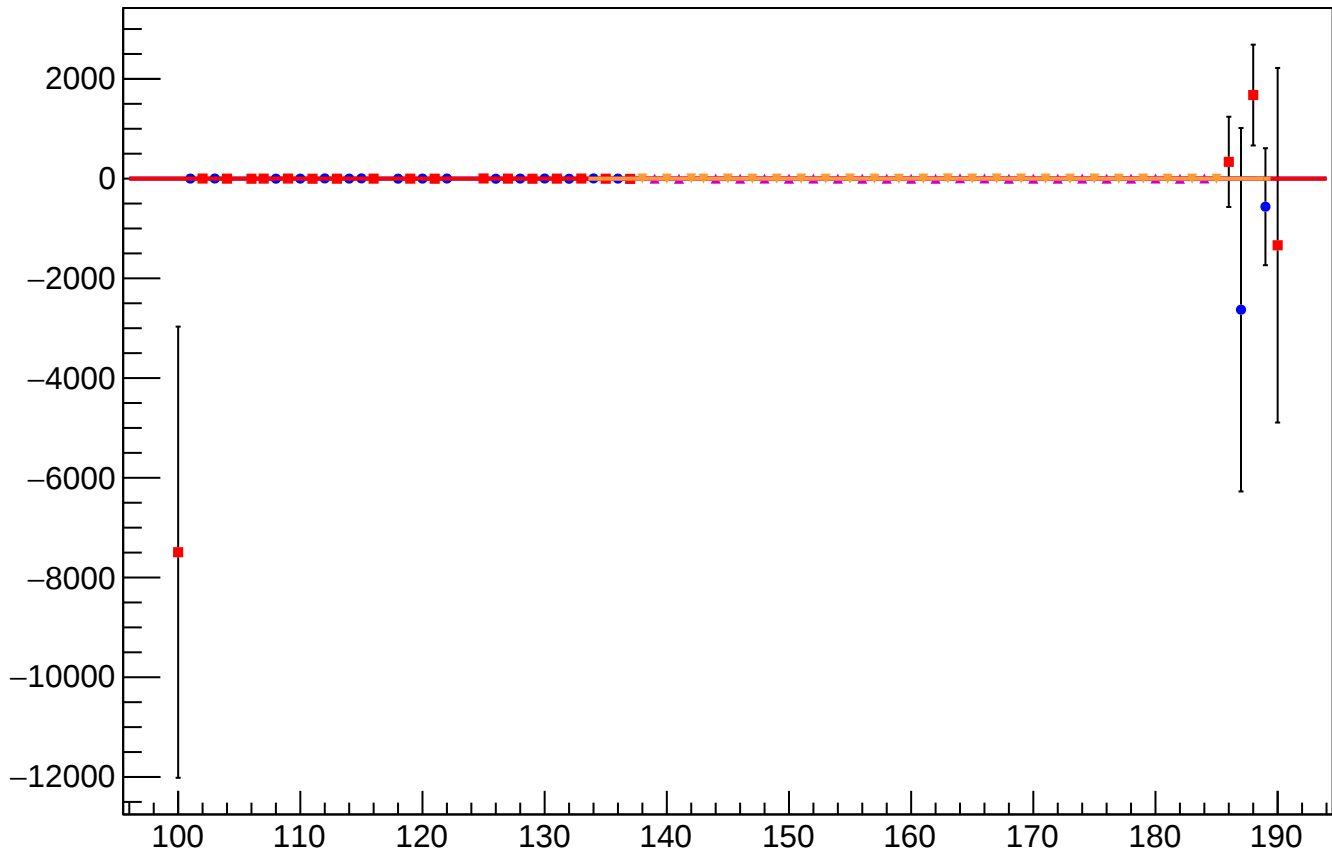
Left In: 89.628+/-0.015 χ^2/NDF : 511042.3/22

+ 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

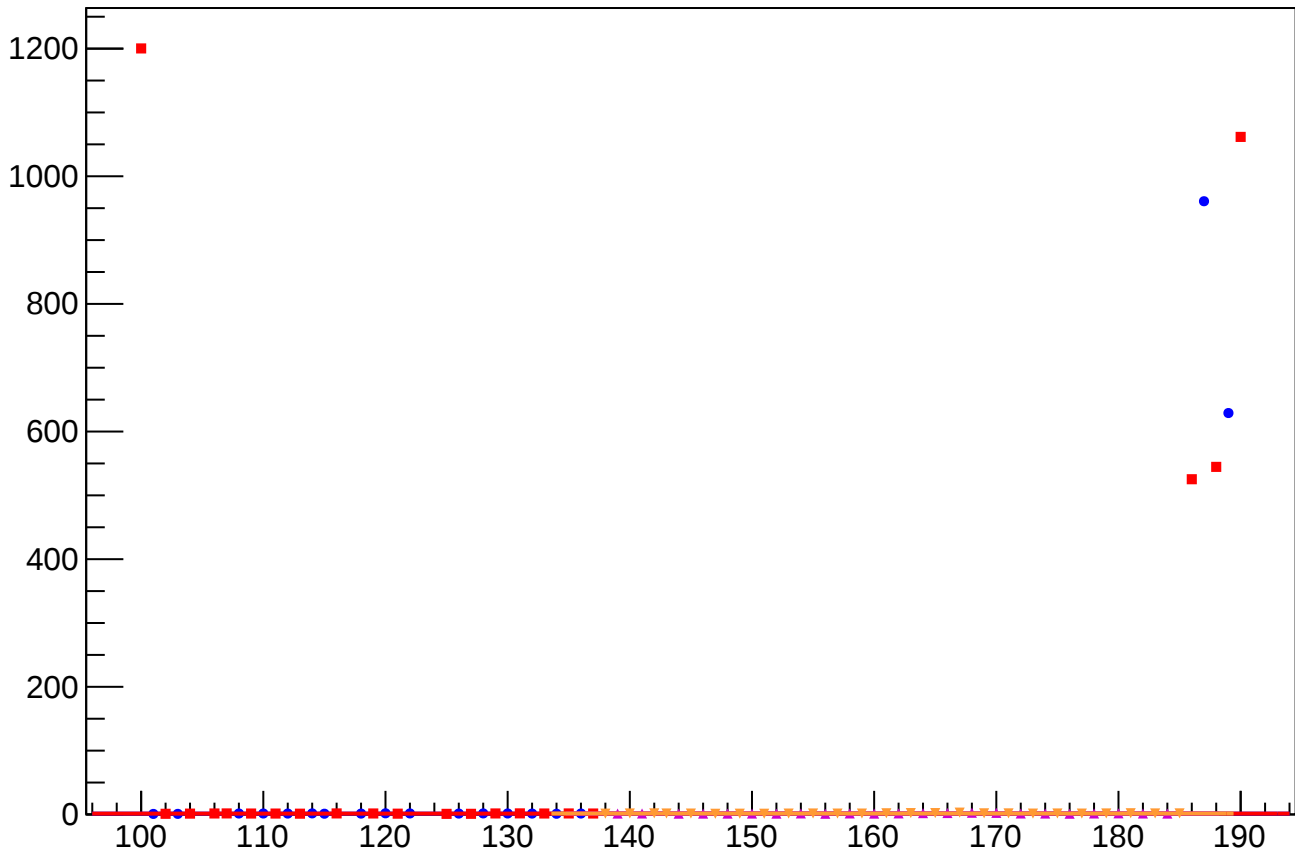
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ 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

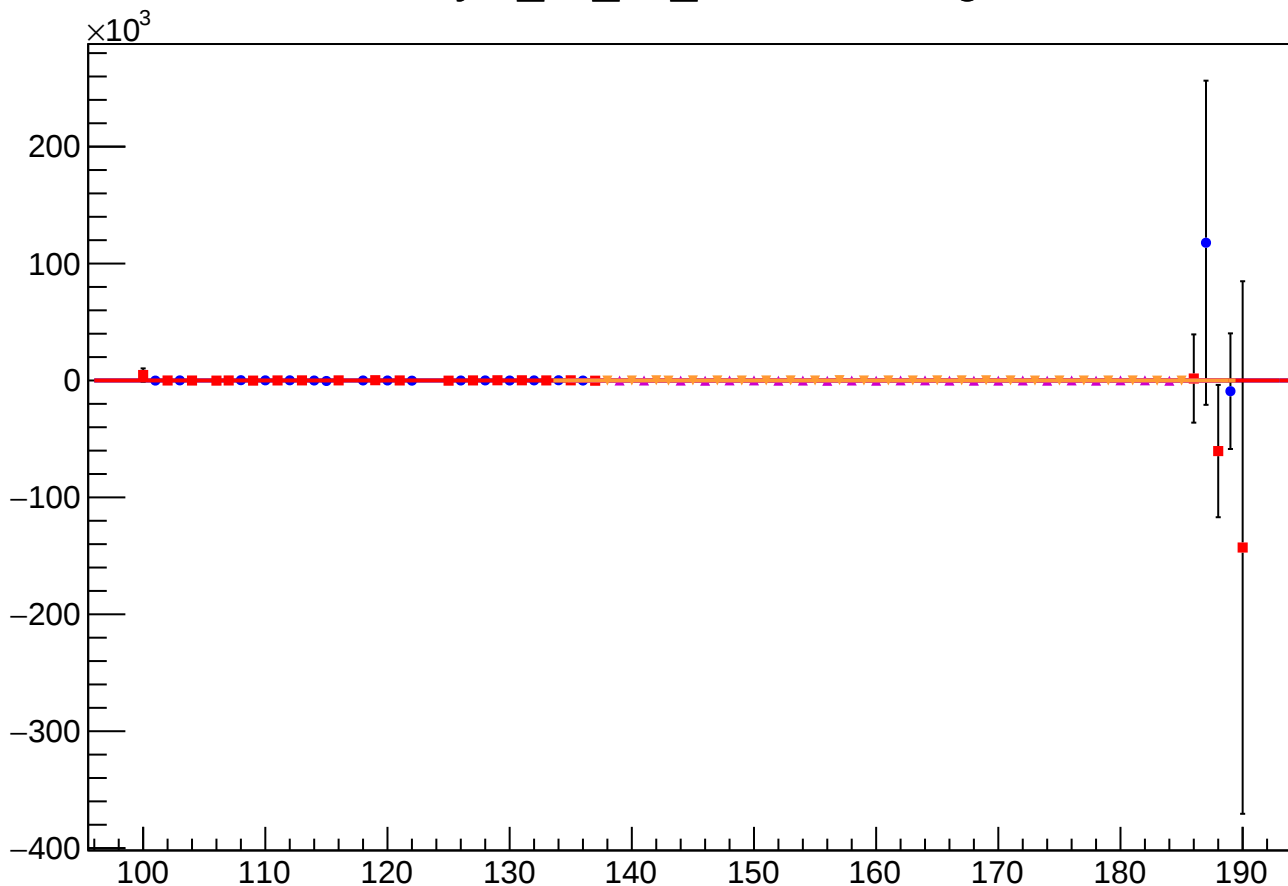
Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

+ 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 χ^2/NDF : 14.7/17

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

Right Out: 26.365 ± 30.482 χ^2/NDF : 14.5/20

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

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

All: -5.120 ± 12.306 χ^2/NDF : 83.7/86

- sign -20.415 ± 17.624 χ^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

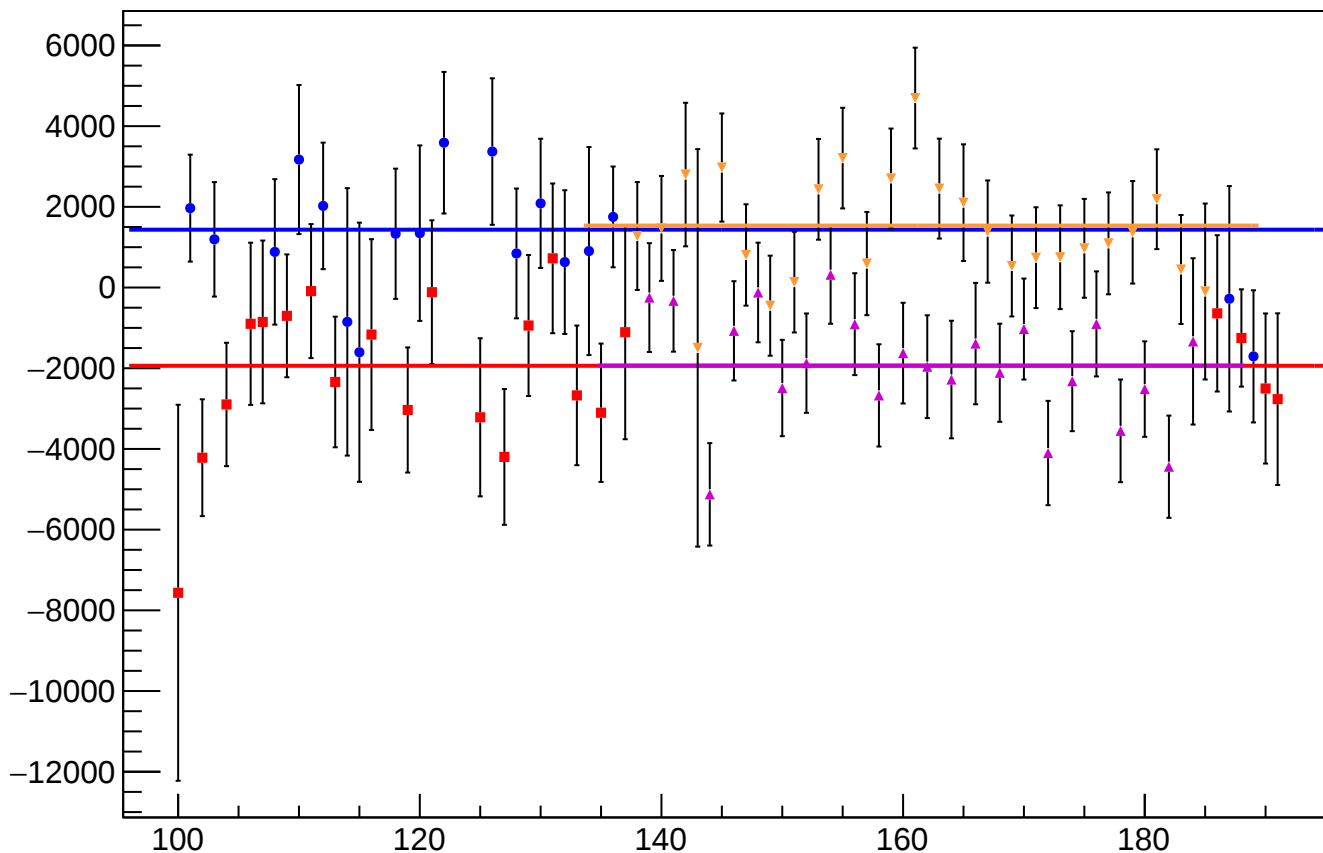
Left In: 89.655+/-0.015 χ^2/NDF : 511848.9/22

+ 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 $\pm$ 412.735 χ^2 /NDF: 10.0/17

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

Right Out: -1939.104 $\pm$ 376.851 χ^2 /NDF: 14.9/21

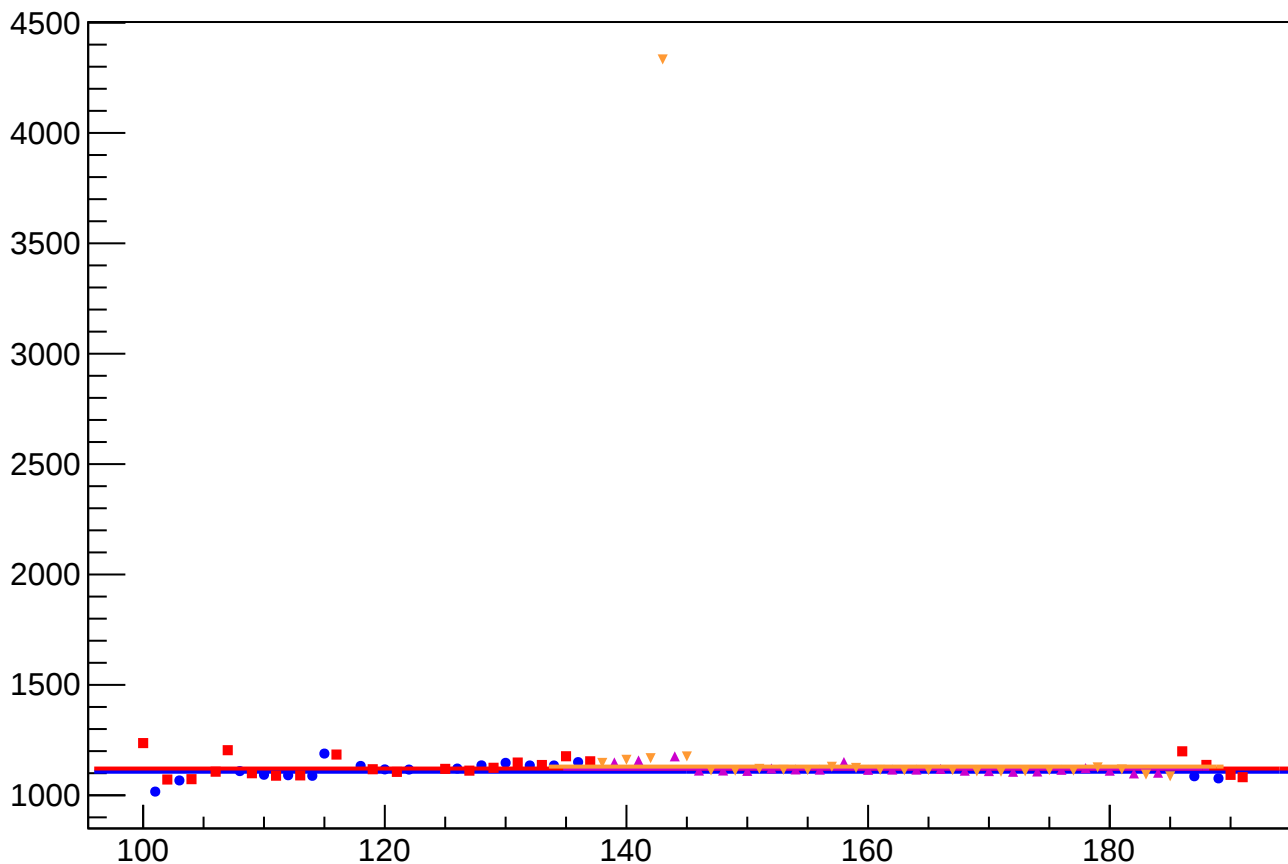
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF: 27.0/22

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

All: -254.551 $\pm$ 156.213 χ^2 /NDF: 193.5/87

- sign -1935.050 $\pm$ 218.407 χ^2 /NDF: 41.9/44

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: 1121.063+/-0.266 χ^2/NDF : 20364.8/21

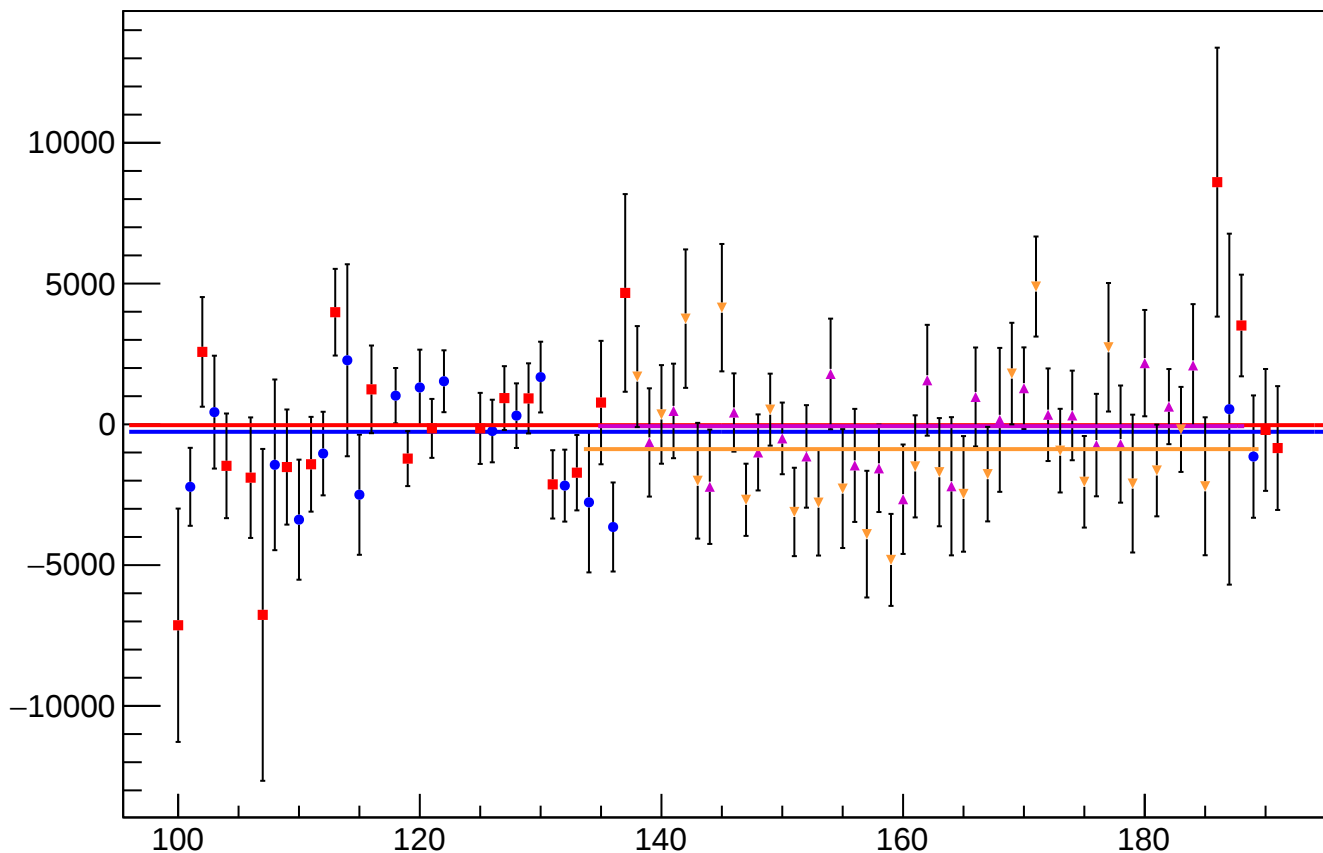
Left In: 1120.991+/-0.190 χ^2/NDF : 9641.8/22

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

All: 1122.021+/-0.110 χ^2/NDF : 911946.5/87

- sign 1121.015+/-0.154 χ^2/NDF : 30006.6/44

asym_usl_correction_mean vs Slug



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

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

Right Out: -28.752+/-341.139 χ^2/NDF : 32.6/21

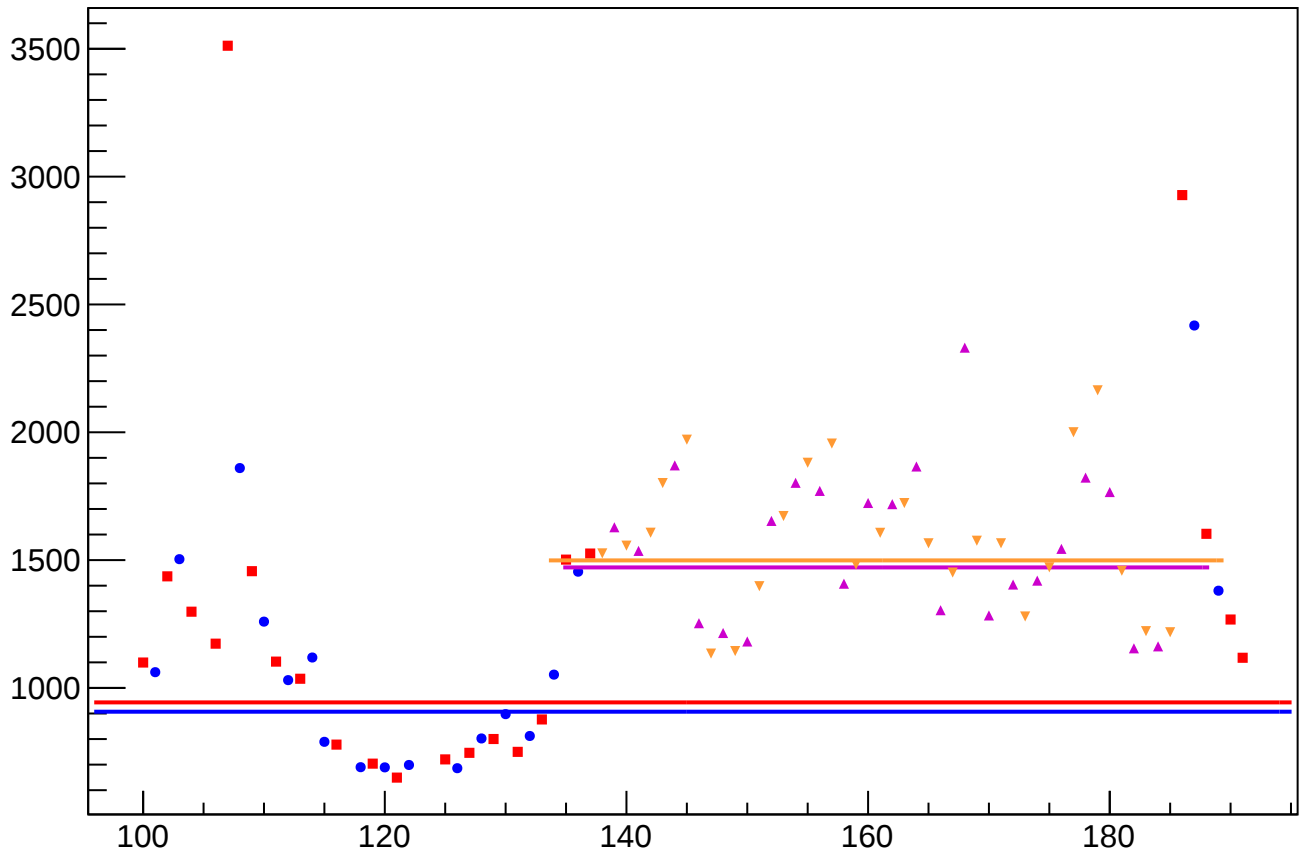
Left In: -65.738+/-358.785 χ^2/NDF : 12.1/22

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

All: -304.739+/-176.349 χ^2/NDF : 114.8/87

- sign -46.313+/-247.225 χ^2/NDF : 44.8/44

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: 943.421 ± 0.241 χ^2/NDF : 2118469.5/21

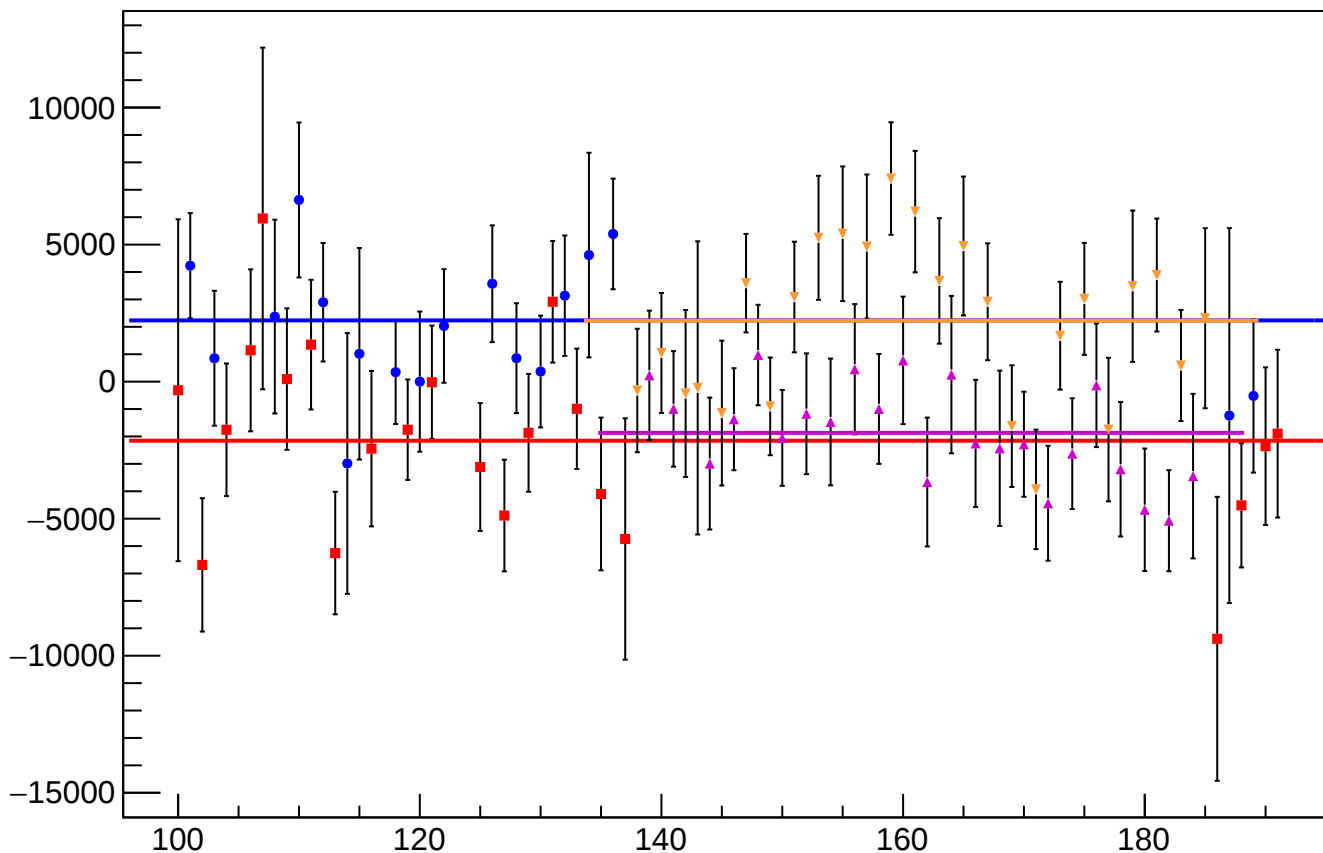
Left In: 1471.394 ± 0.254 χ^2/NDF : 1105310.5/22

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

All: 1198.562 ± 0.125 χ^2/NDF : 10590054.1/8

- sign 1194.105 ± 0.175 χ^2/NDF : 5498374.1/44

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: -2155.123 $\pm$ 543.744 χ^2 /NDF: 25.6/21

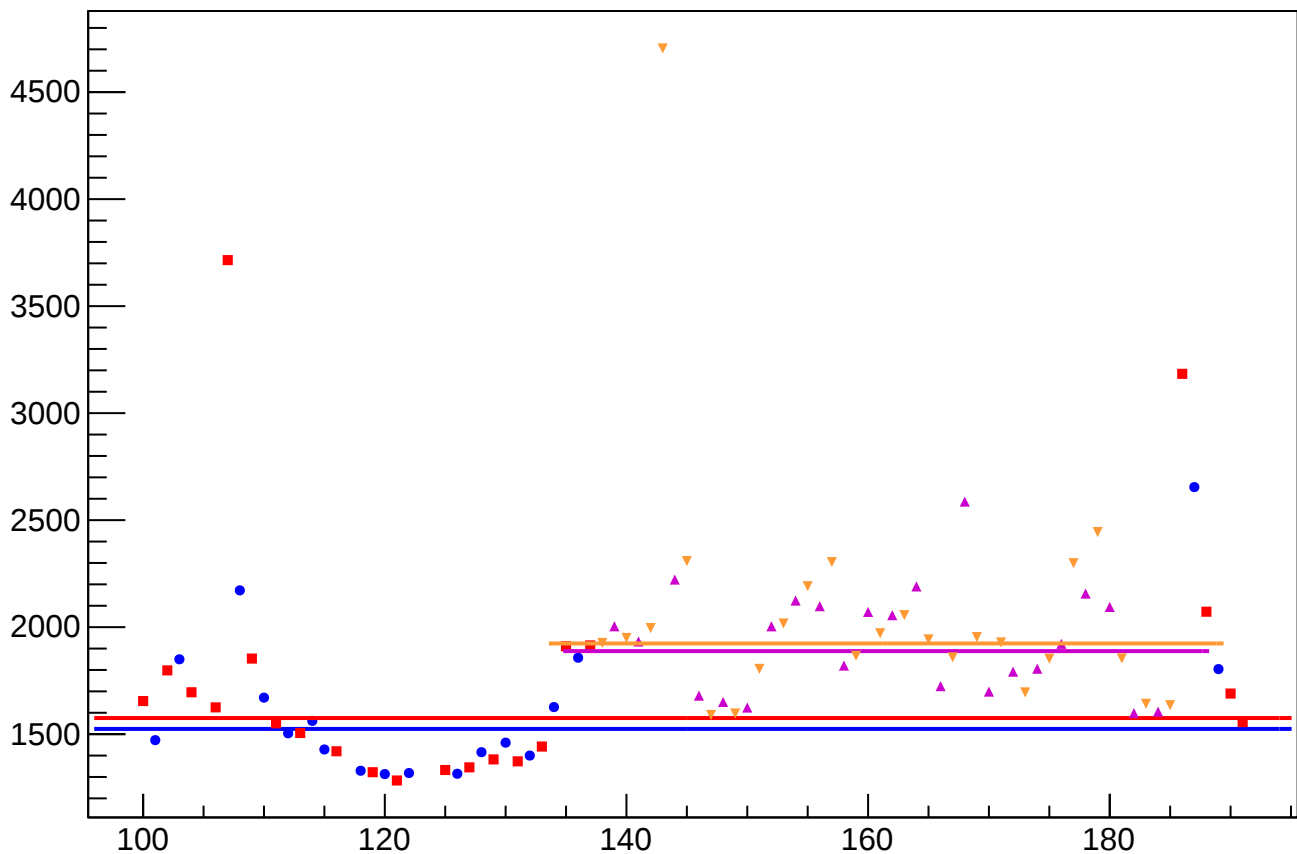
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

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

All: 74.545 $\pm$ 249.595 χ^2 /NDF: 163.7/87

- sign -1987.444 $\pm$ 349.156 χ^2 /NDF: 40.7/44

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: 1575.371+/-0.384 χ^2/NDF : 788141.7/21

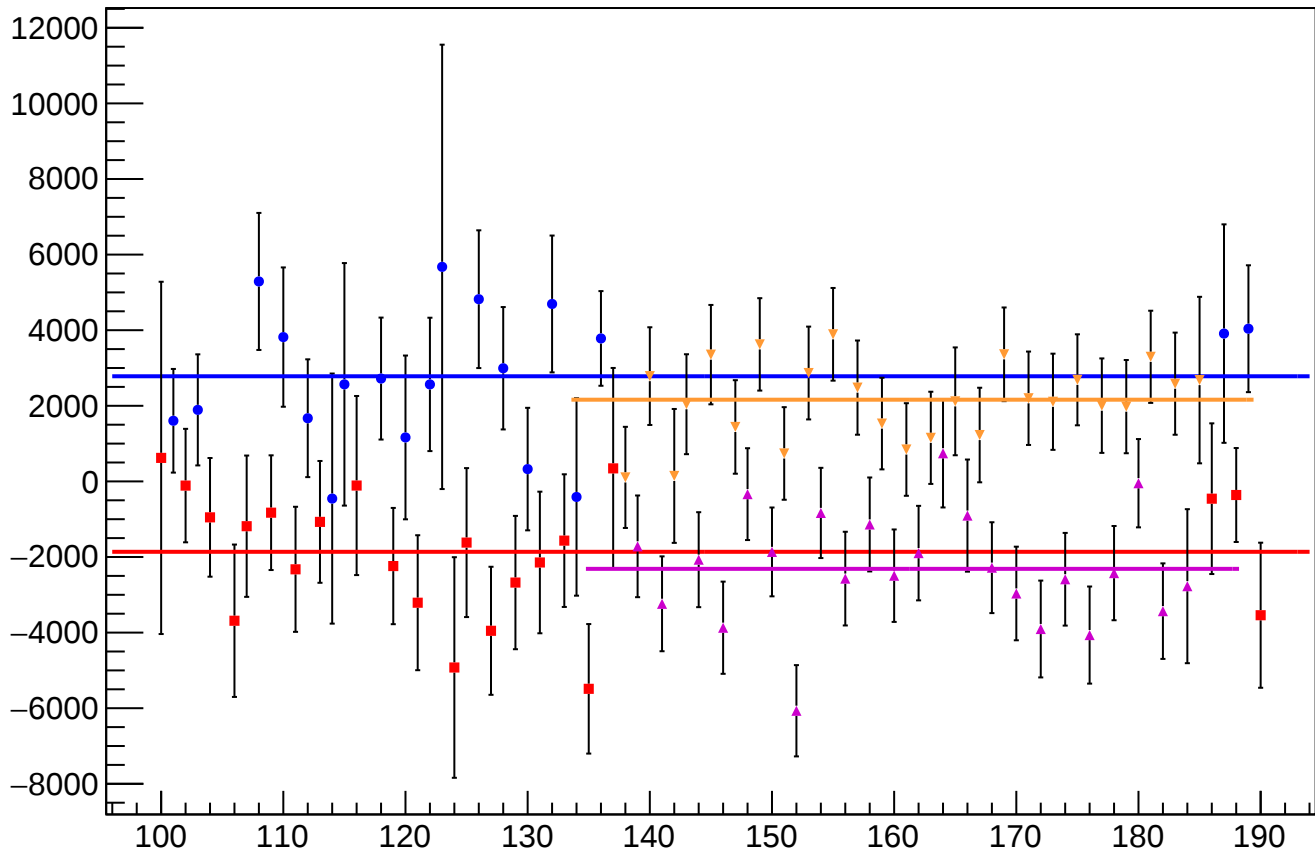
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

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

All: 1764.690+/-0.176 χ^2/NDF : 3609966.7/87

- sign 1759.164+/-0.247 χ^2/NDF : 1681544.3/44

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

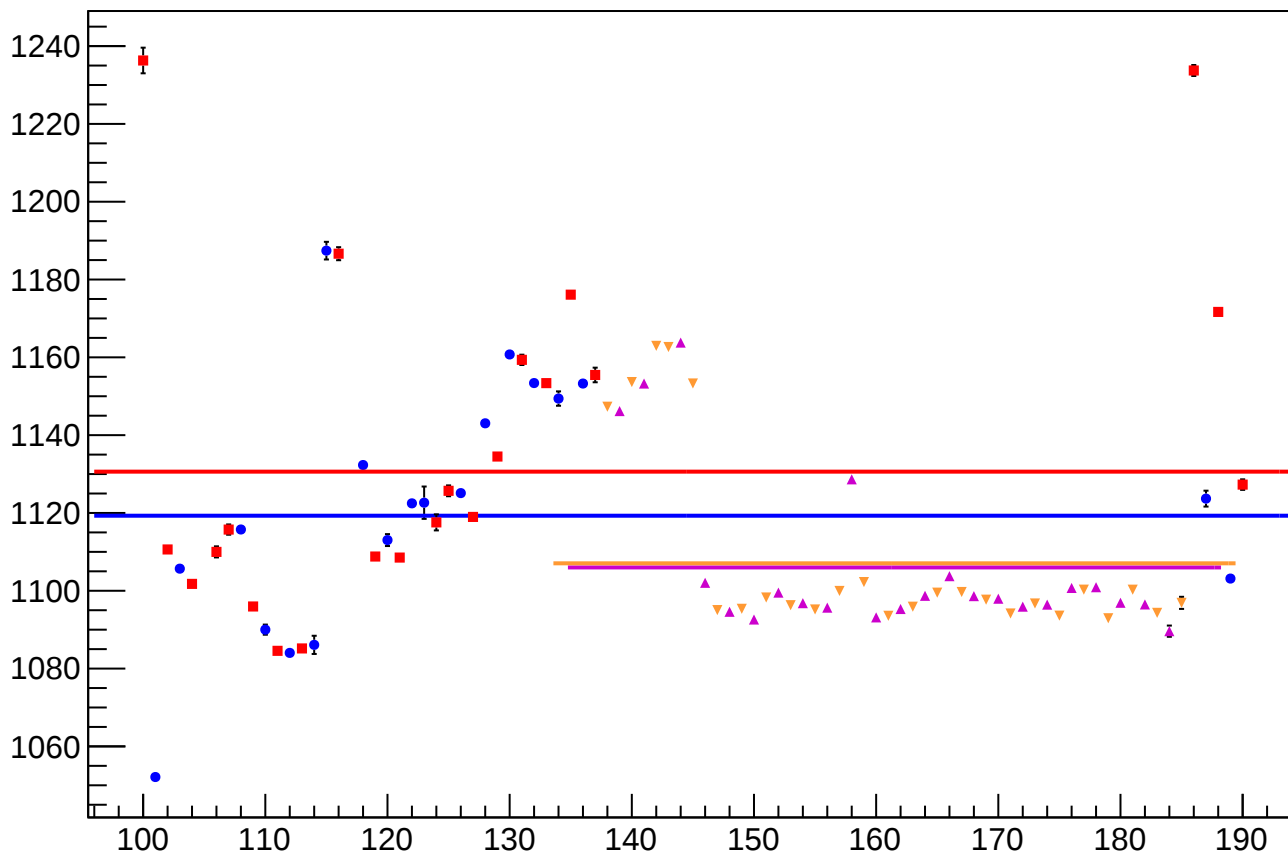
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ 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

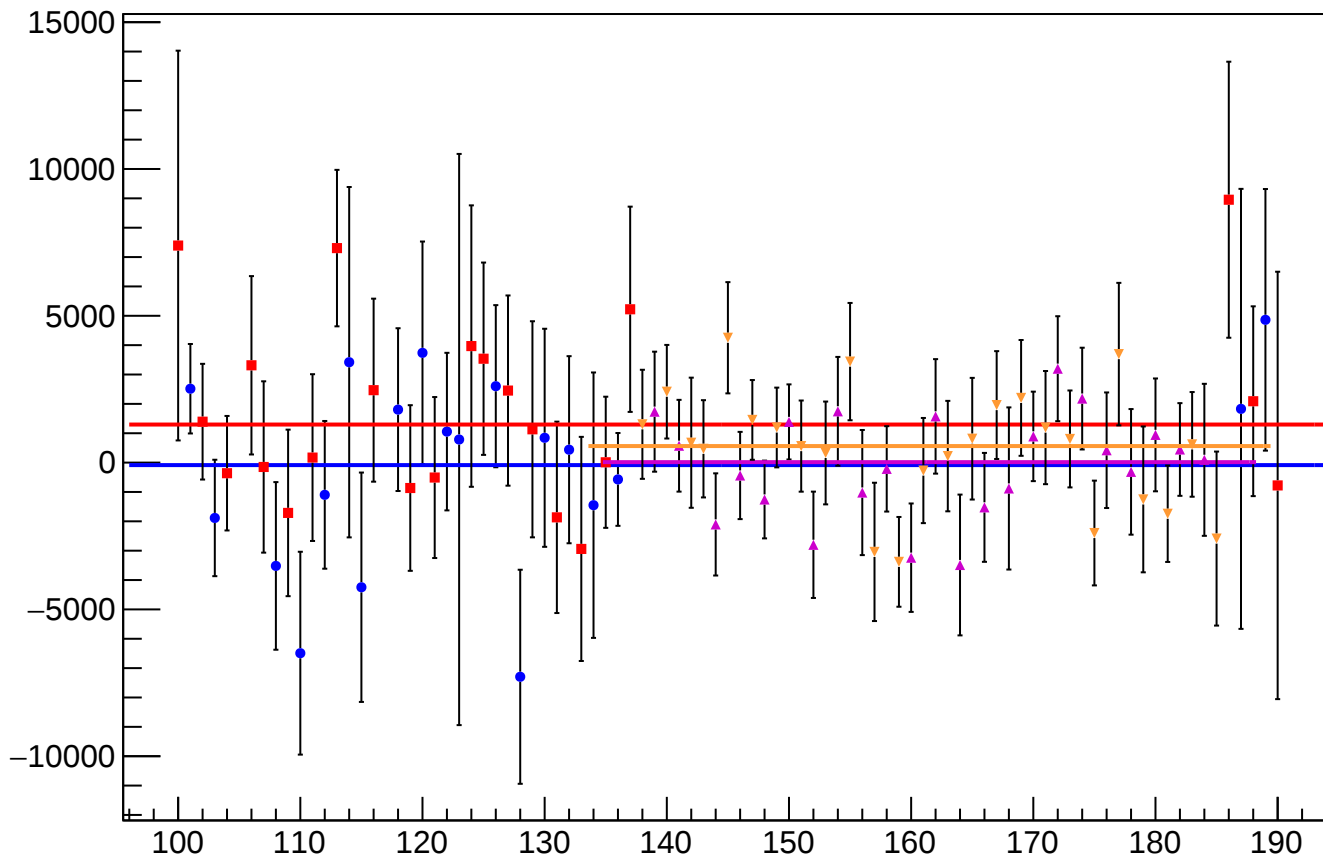
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ 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 $\chi^2/\text{NDF}: 18.4/18$

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

Right Out: 1296.251 ± 641.381 $\chi^2/\text{NDF}: 17.3/21$

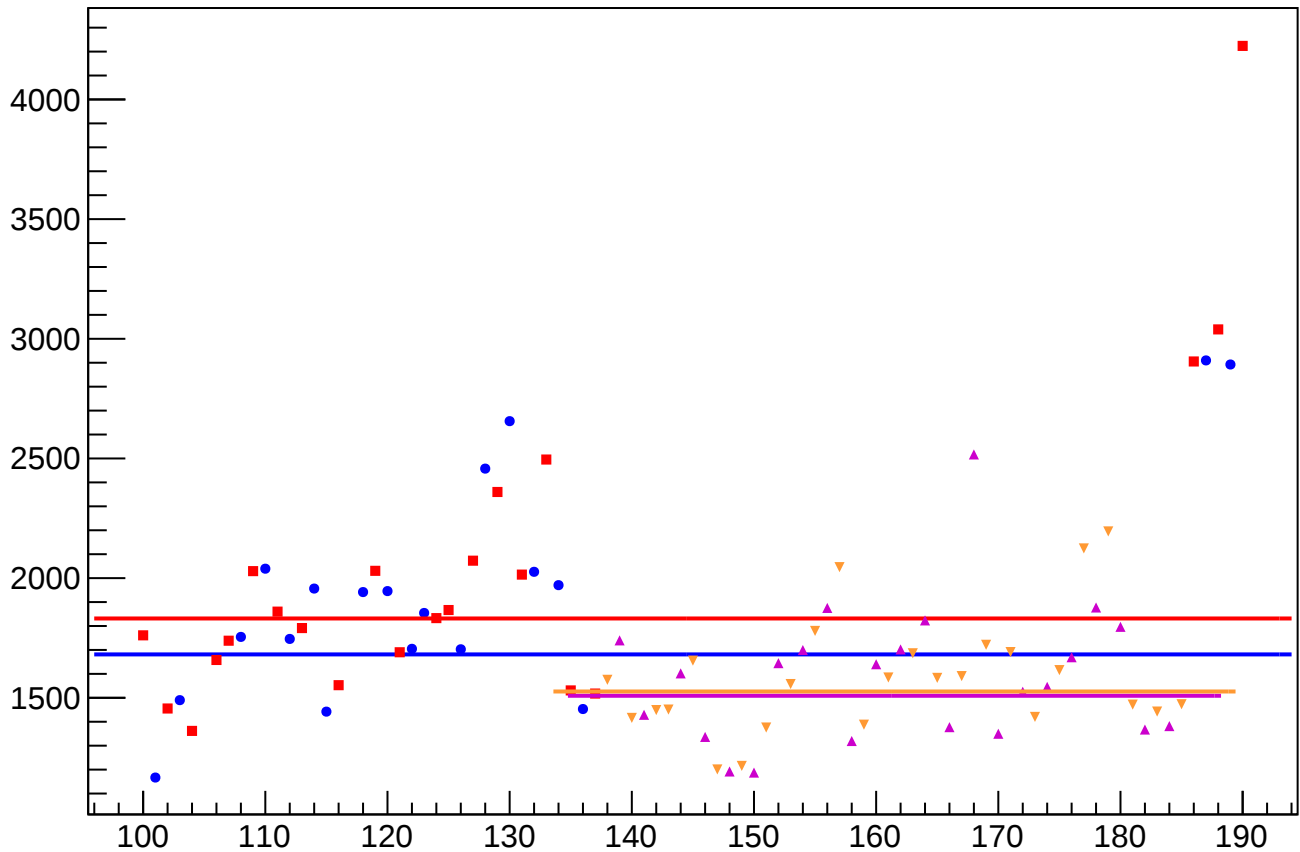
Left In: 15.520 ± 366.854 $\chi^2/\text{NDF}: 20.1/22$

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

All: 370.750 ± 224.020 $\chi^2/\text{NDF}: 86.3/88$

- sign 331.232 ± 318.444 $\chi^2/\text{NDF}: 40.4/44$

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

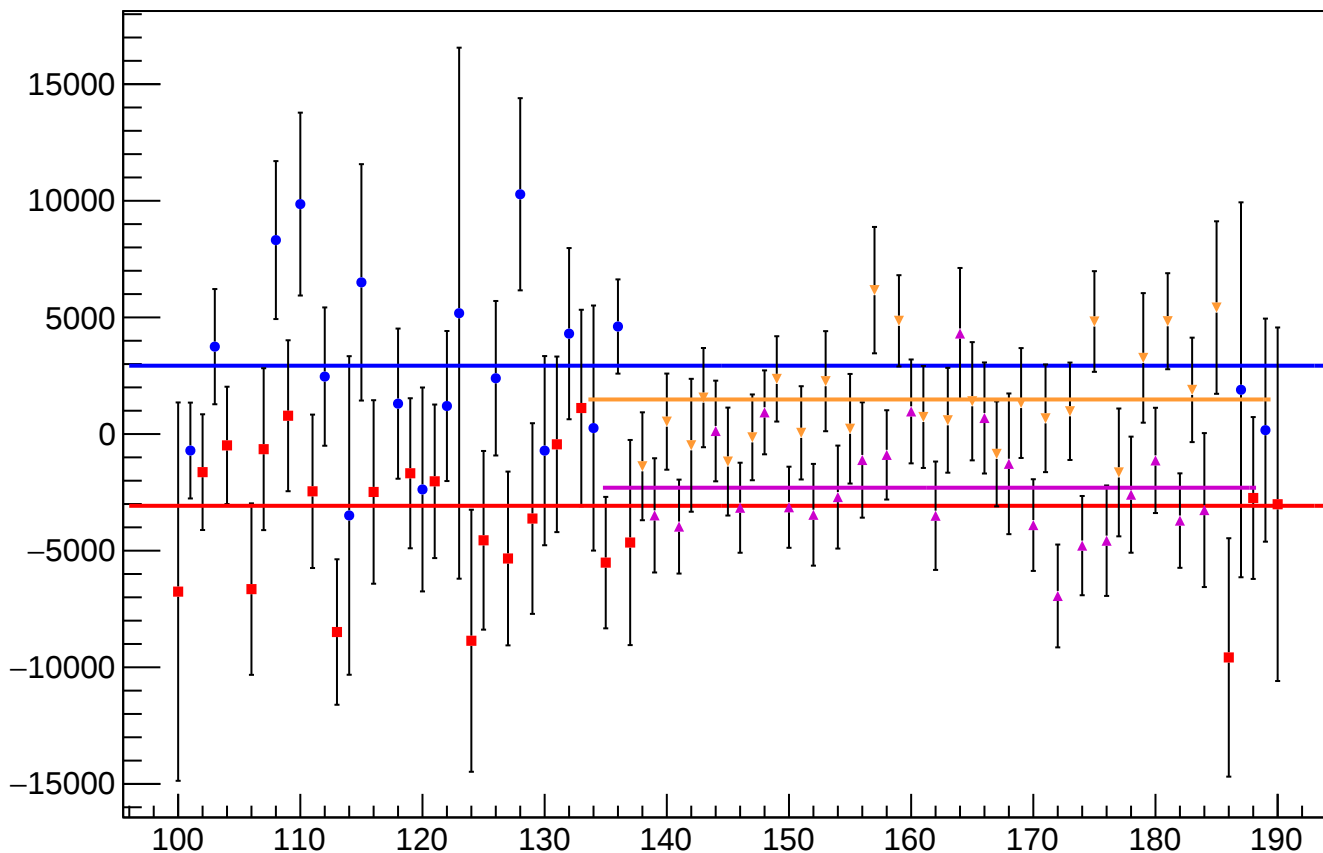
Left In: 1508.581+/-0.259 χ^2 /NDF: 931684.8/22

+ 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

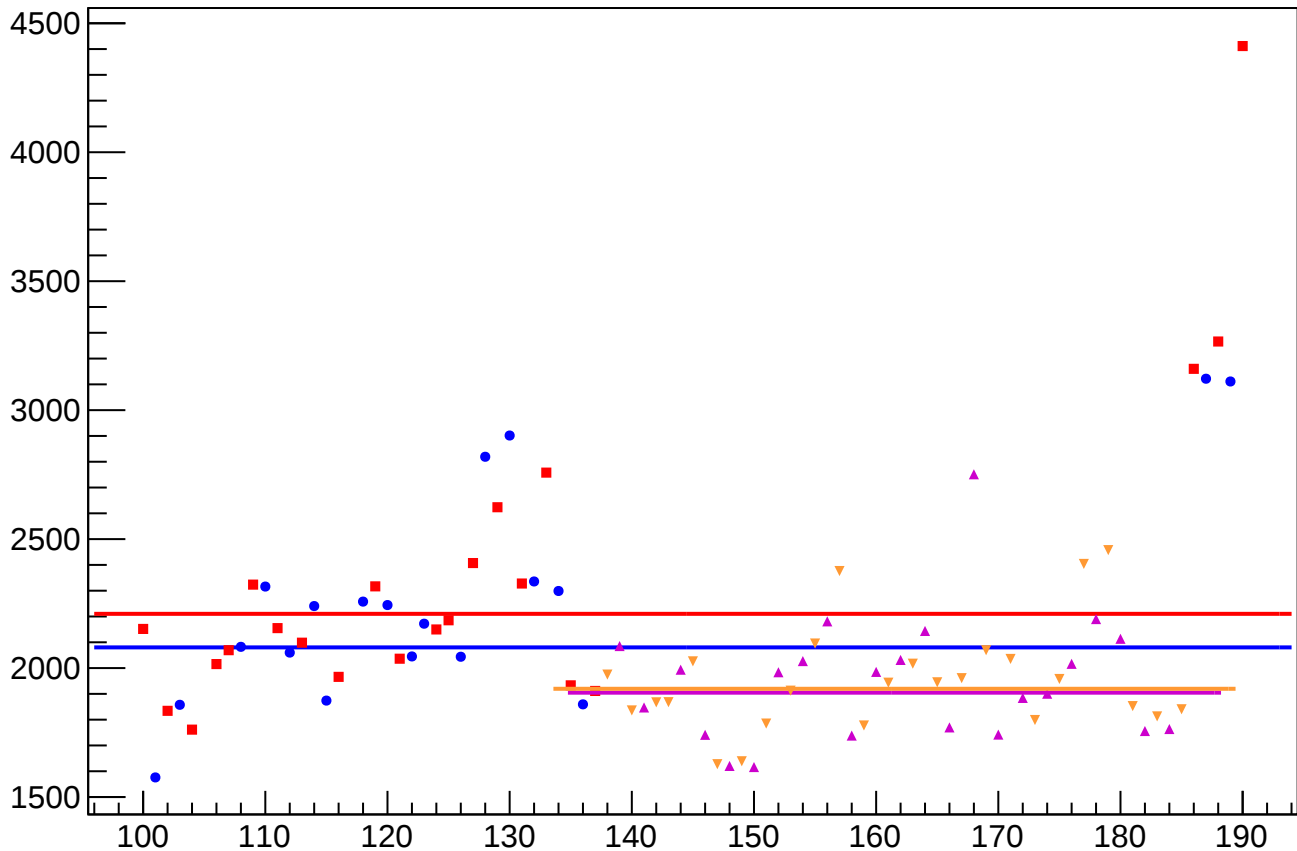
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ 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

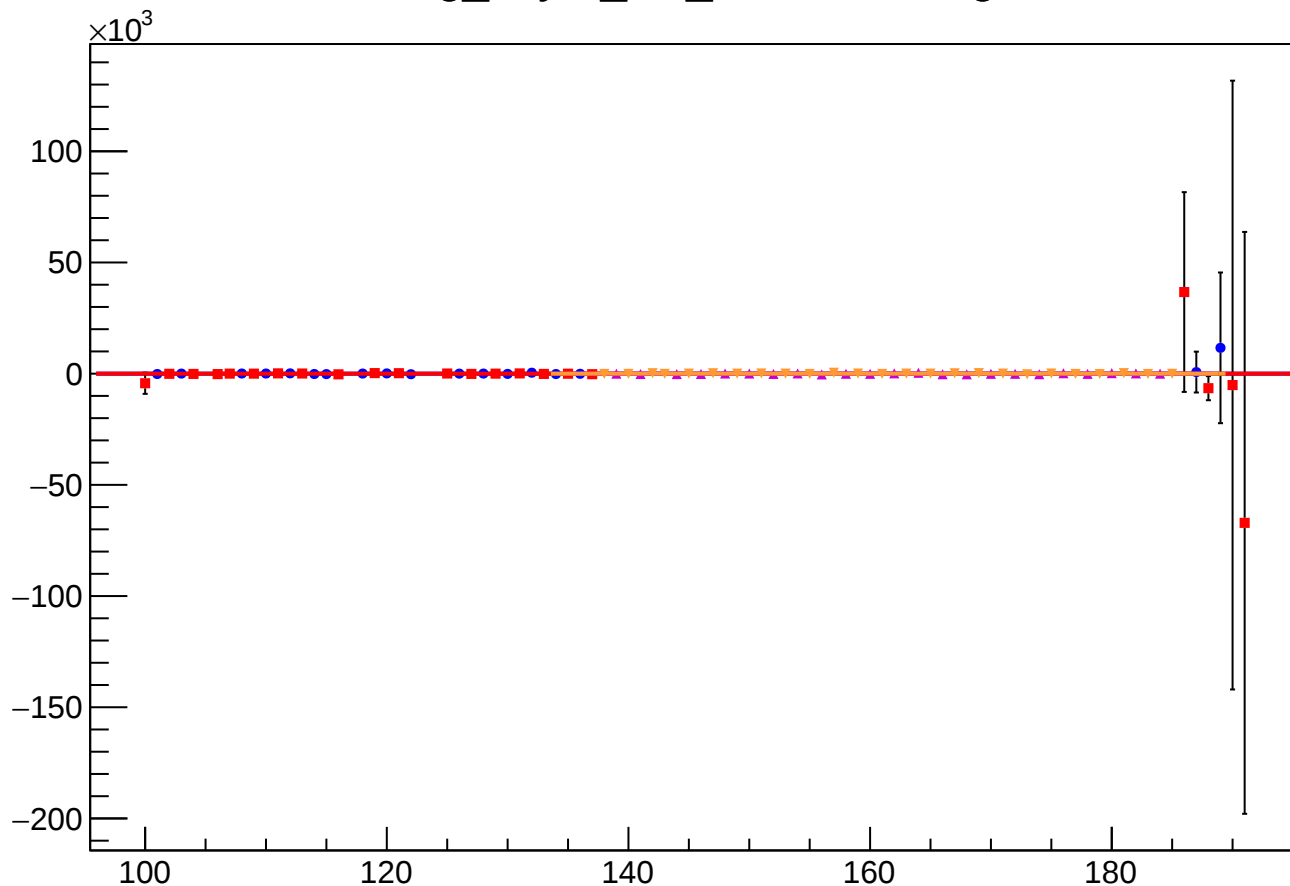
Left In: 1904.629 $\pm$ 0.325 χ^2 /NDF: 447350.7/22

+ 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: -1.741 ± 36.755 χ^2/NDF : 16.1/21

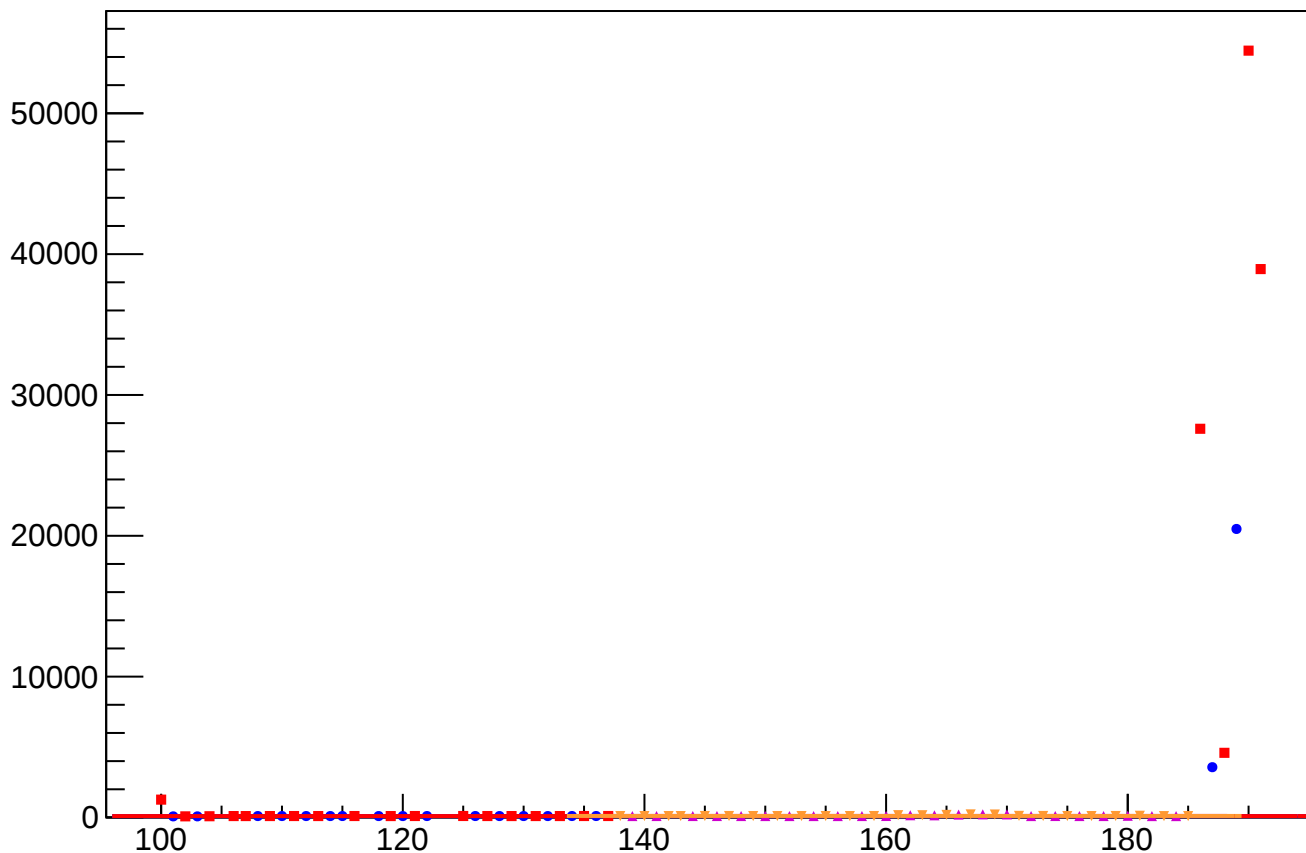
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

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

All: -5.825 ± 14.991 χ^2/NDF : 106.5/87

- sign -16.965 ± 21.412 χ^2/NDF : 52.8/44

reg_asym_dsl_rms vs Slug



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

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

Right Out: 96.591 $\pm$ 0.026 χ^2 /NDF: 2869639.5/21

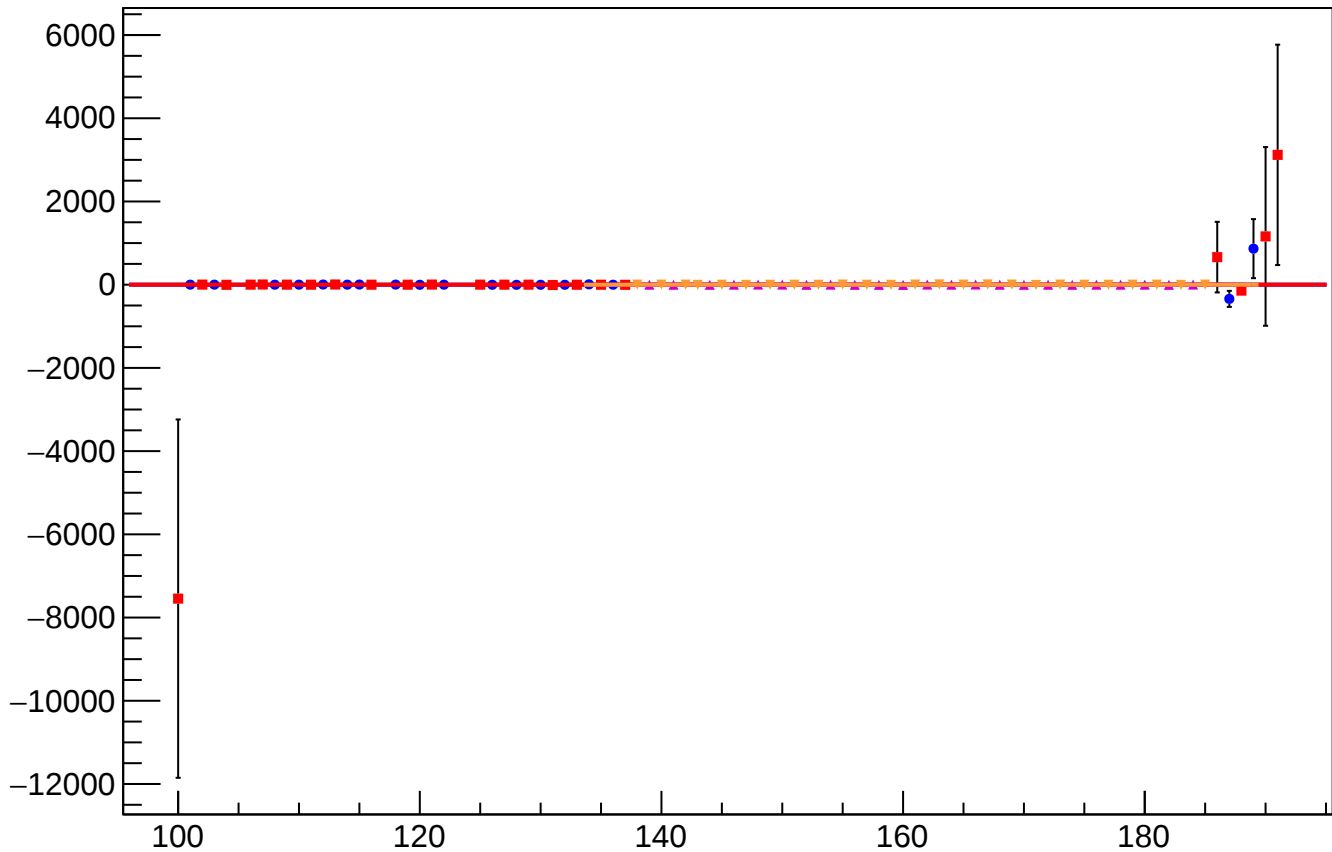
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

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

All: 103.549 $\pm$ 0.011 χ^2 /NDF: 7273511.7/87

- sign 103.912 $\pm$ 0.015 χ^2 /NDF: 4480780.1/44

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 : 25.2/21

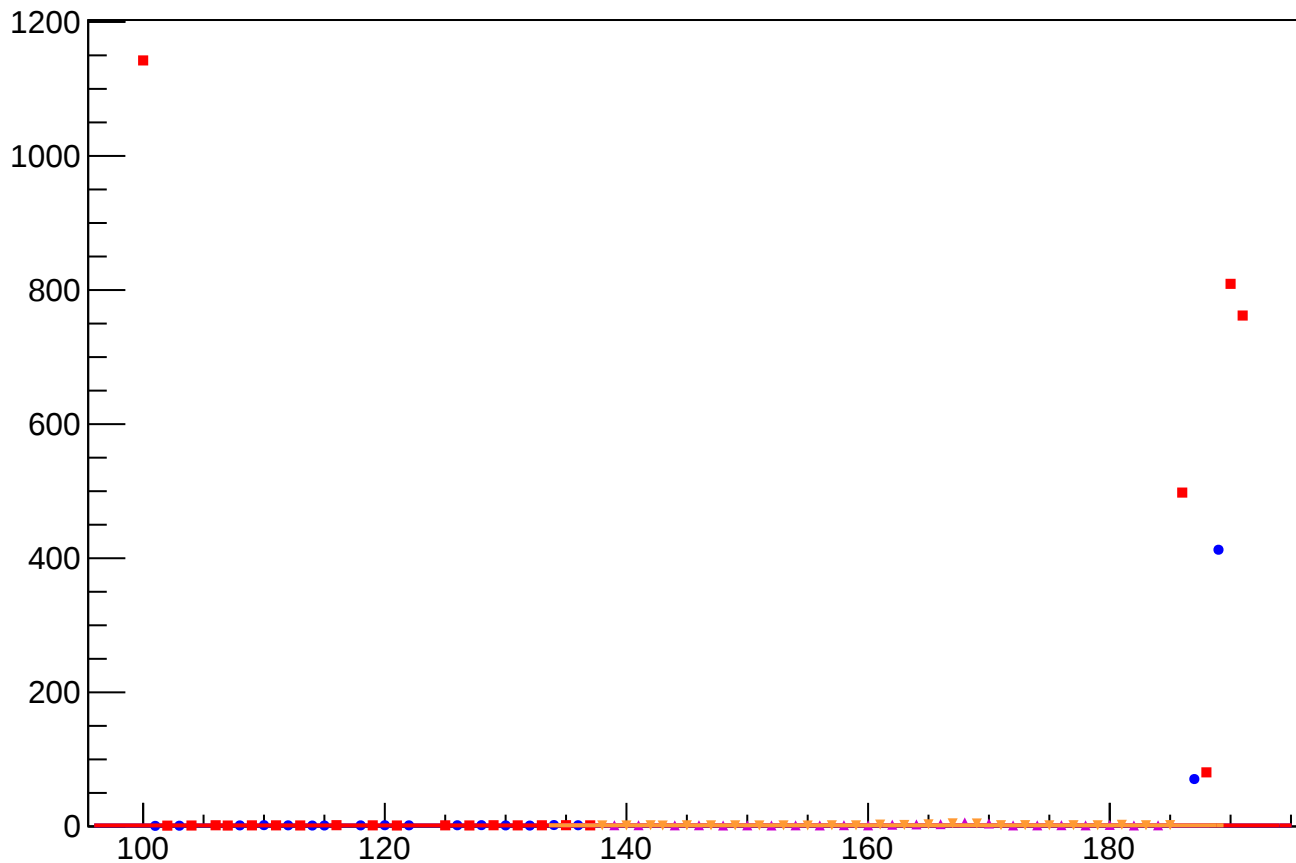
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

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

All: -0.107 ± 0.267 χ^2/NDF : 102.7/87

- sign 0.166 ± 0.387 χ^2/NDF : 50.3/44

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 : 2650661.0/21

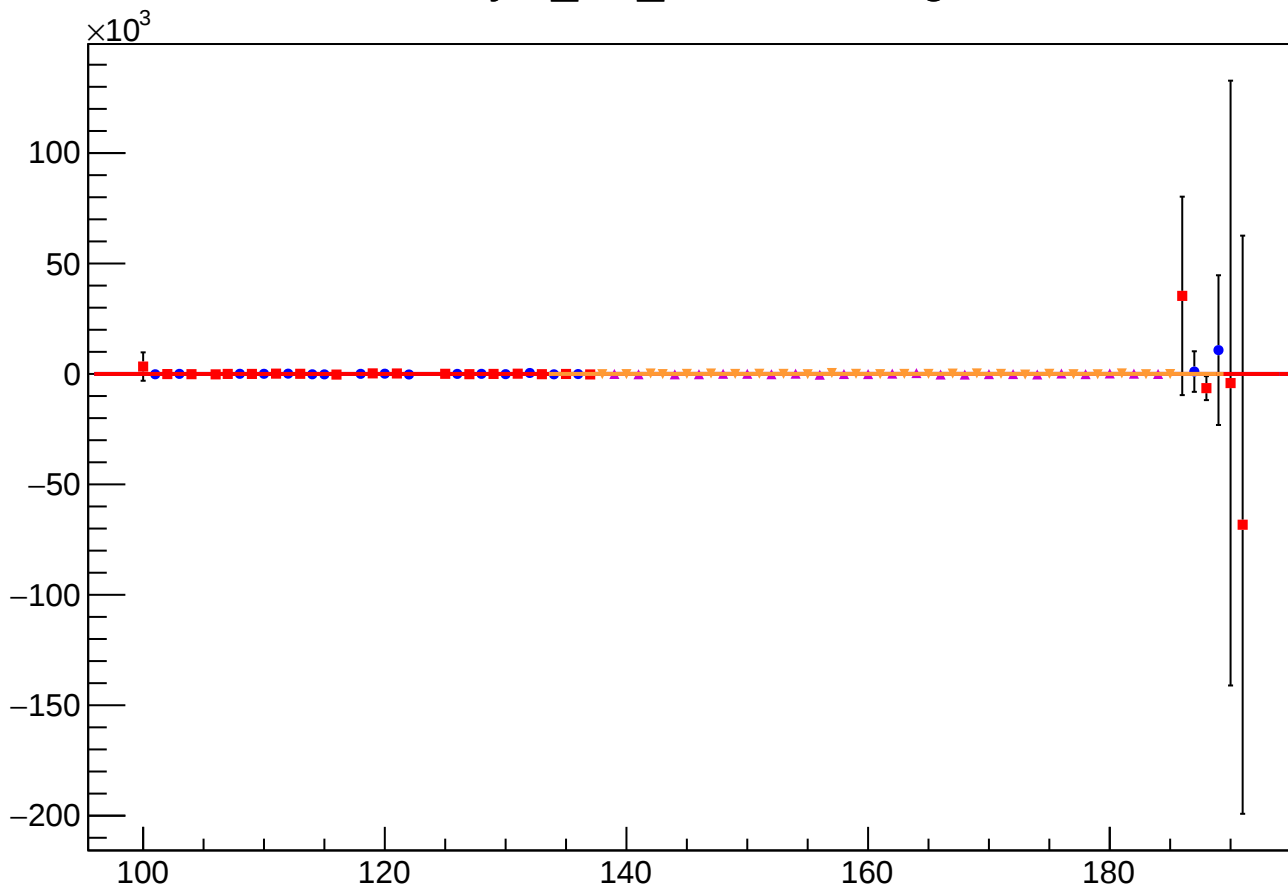
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

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

All: 1.670+/-0.000 χ^2/NDF : 8489669.1/87

- sign 1.714+/-0.000 χ^2/NDF : 4755355.1/44

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: -1.501 ± 36.765 χ^2/NDF : 15.6/21

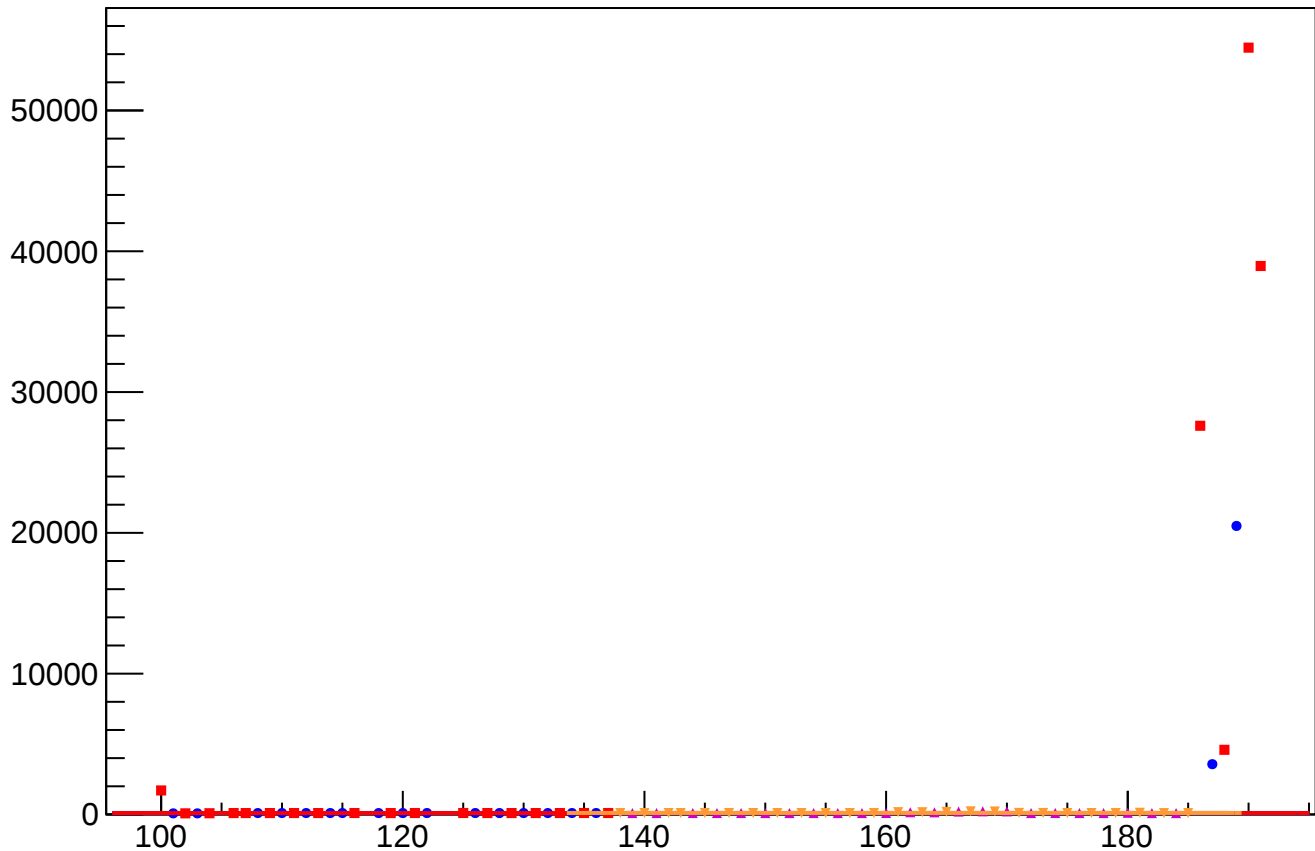
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

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

All: -5.629 ± 14.995 χ^2/NDF : 105.3/87

- sign -17.231 ± 21.418 χ^2/NDF : 51.6/44

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: 96.600+/-0.026 χ^2 /NDF: 2874815.8/21

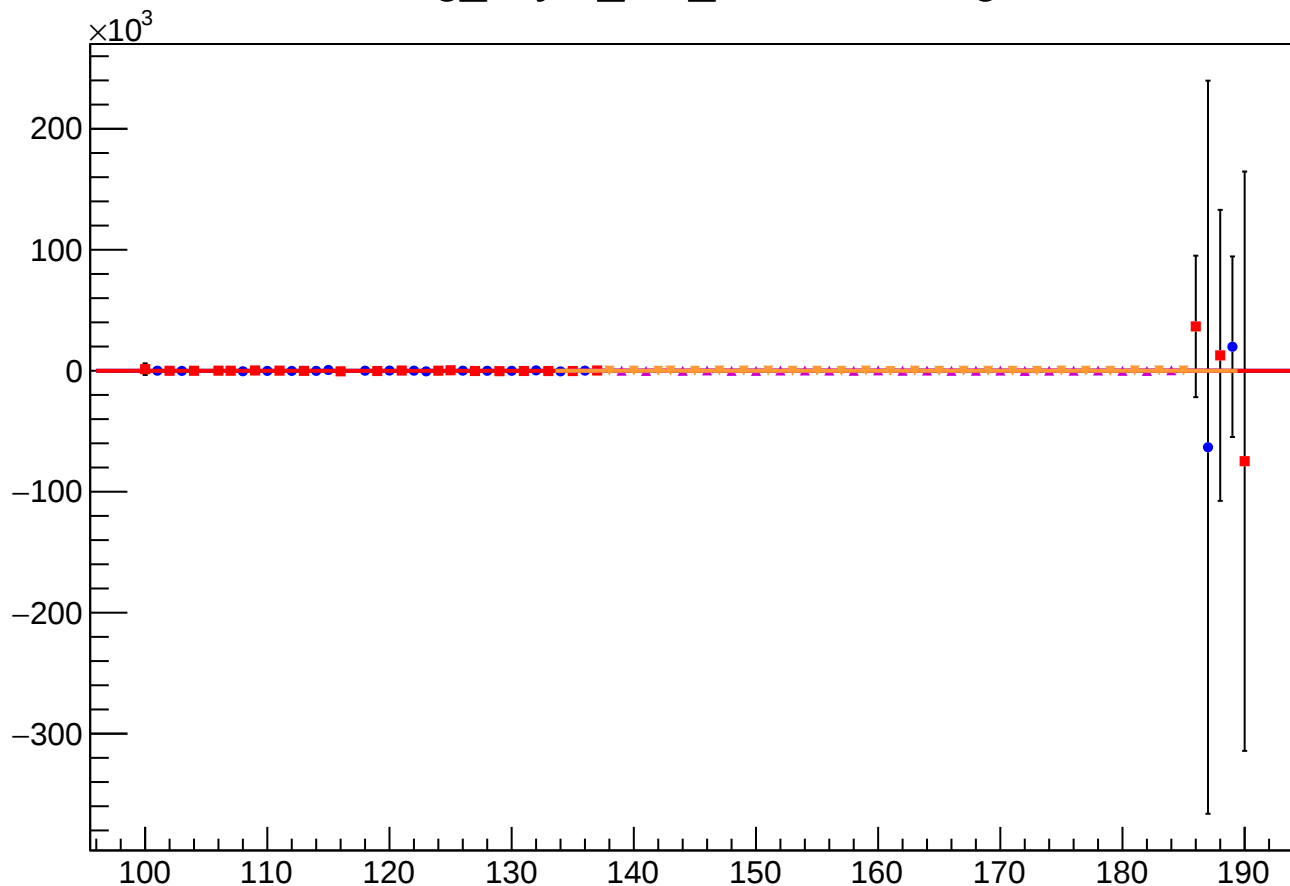
Left In: 107.703+/-0.019 χ^2 /NDF: 1492338.5/22

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

All: 103.575+/-0.011 χ^2 /NDF: 7281844.4/87

- sign 103.935+/-0.015 χ^2 /NDF: 4487666.0/44

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

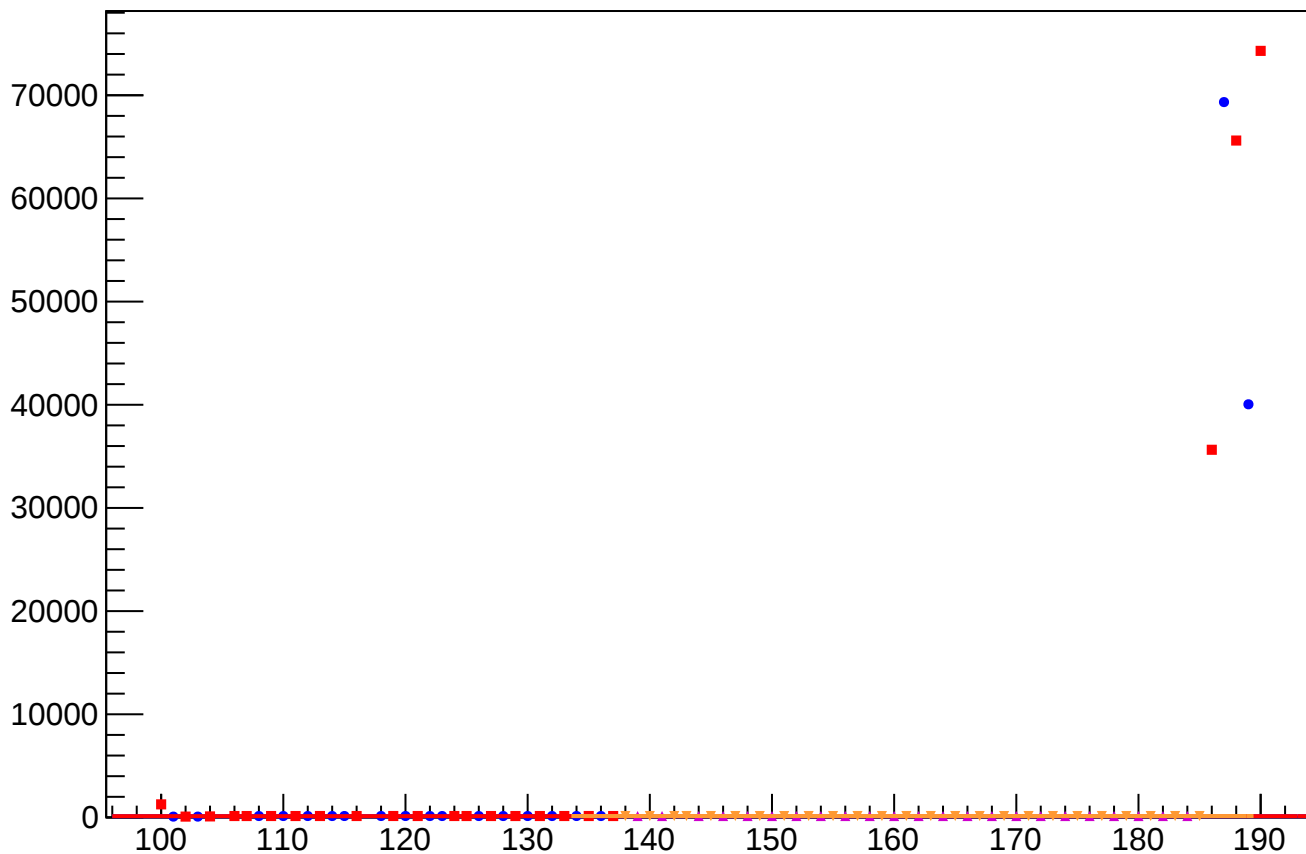
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ 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

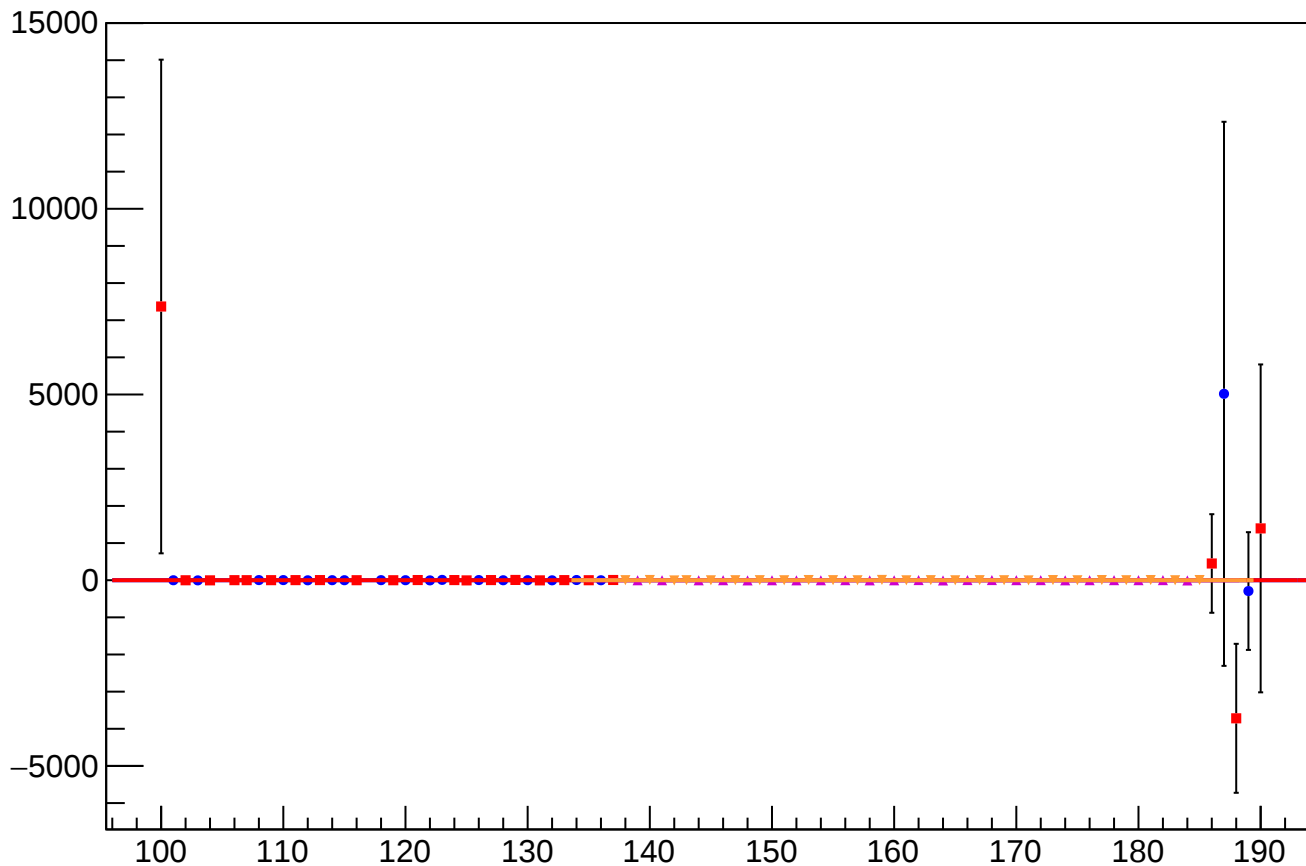
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ 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

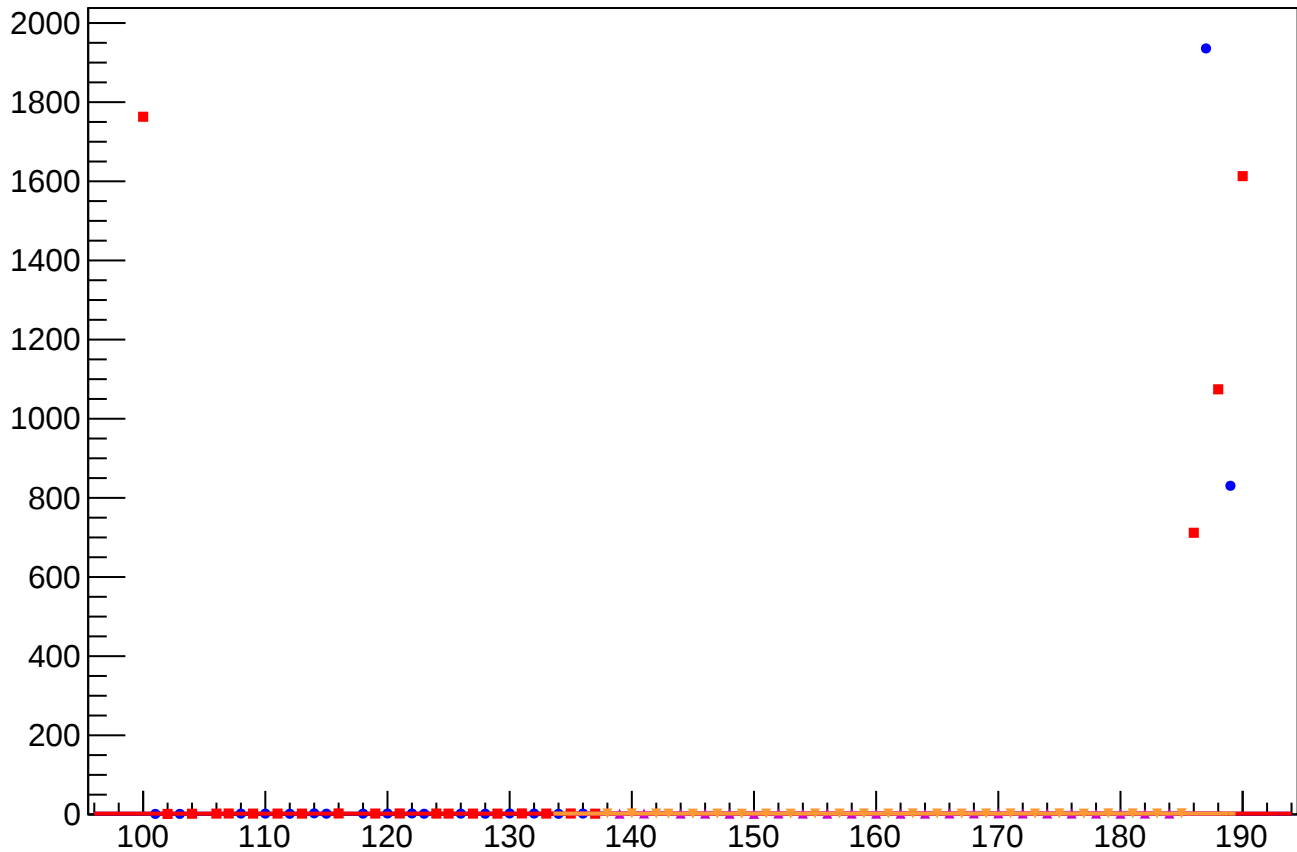
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ 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

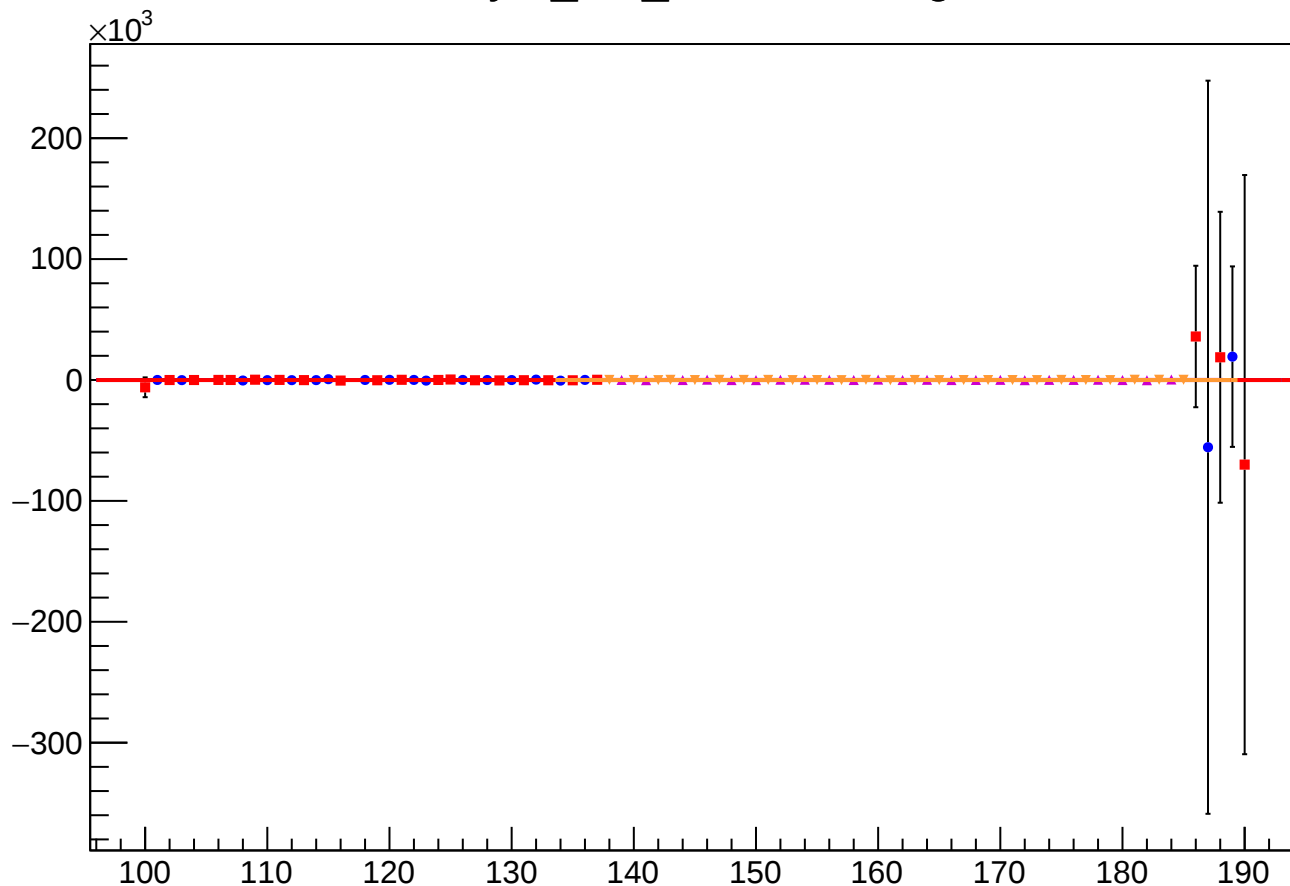
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ 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

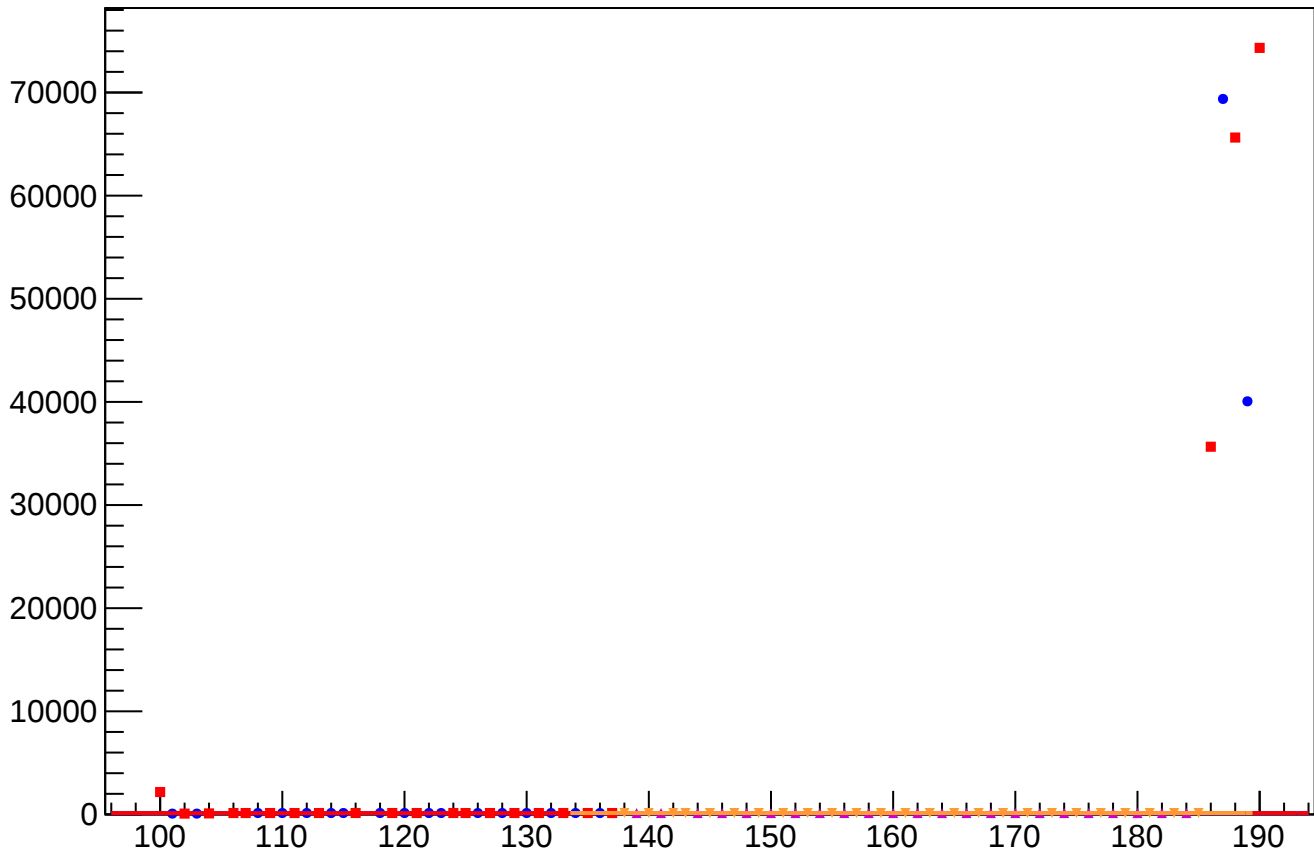
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ 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

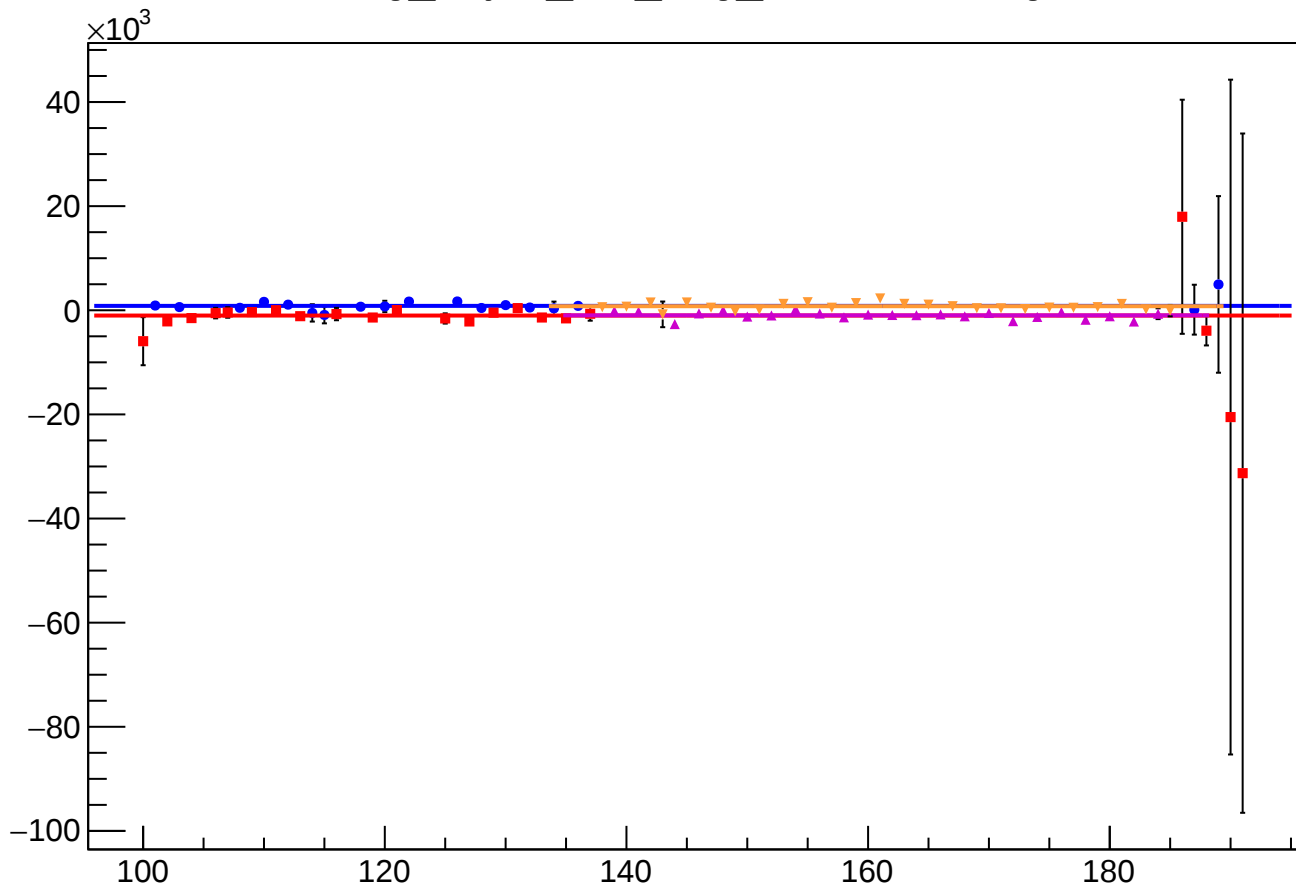
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ 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: -1012.477 ± 212.648 χ^2/NDF : 16.1/21

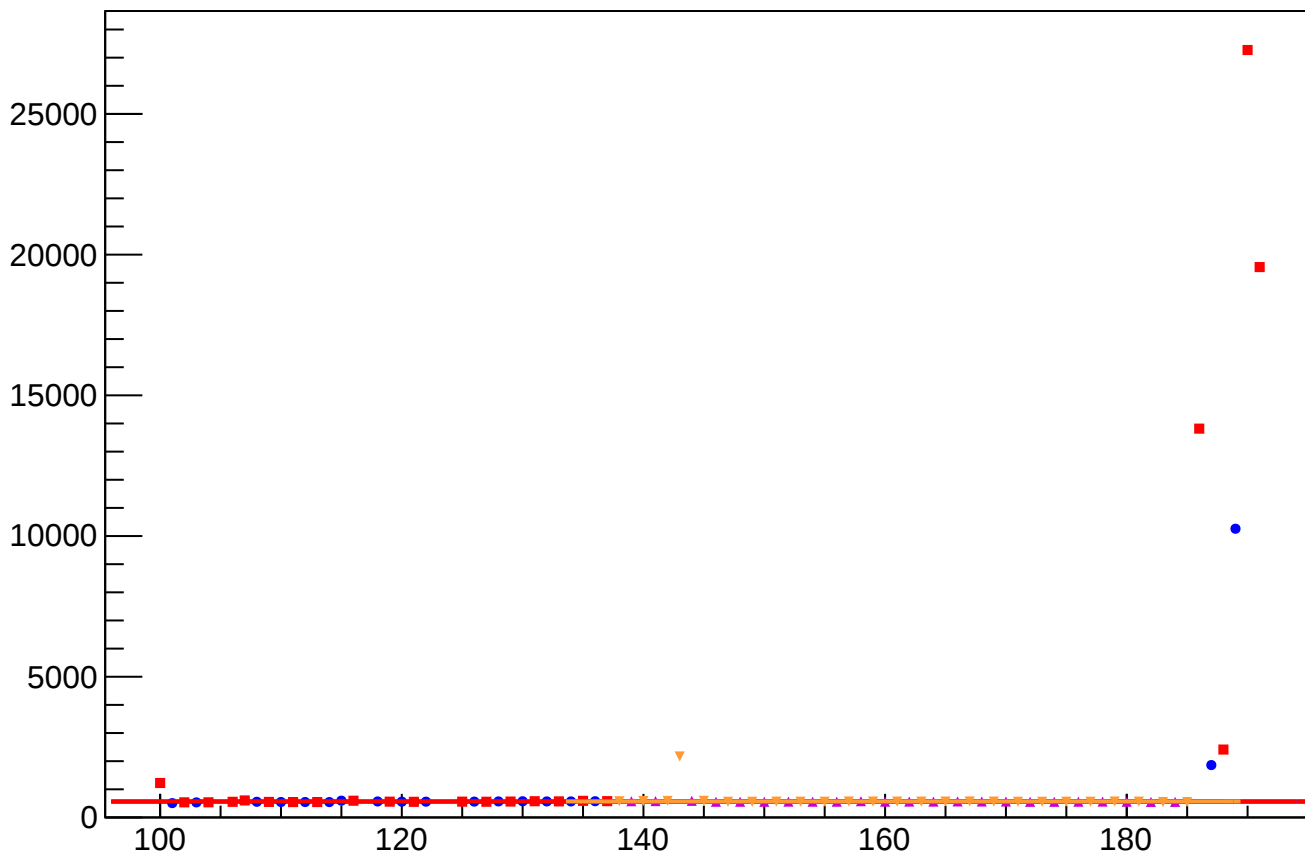
Left In: -974.402 ± 134.932 χ^2/NDF : 27.4/22

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

All: -92.899 ± 80.530 χ^2/NDF : 191.2/87

- sign -985.332 ± 113.931 χ^2/NDF : 43.6/44

reg_asym_left_avg_rms vs Slug



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

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

Right Out: 574.594+/-0.150 χ^2/NDF : 2114784.6/21

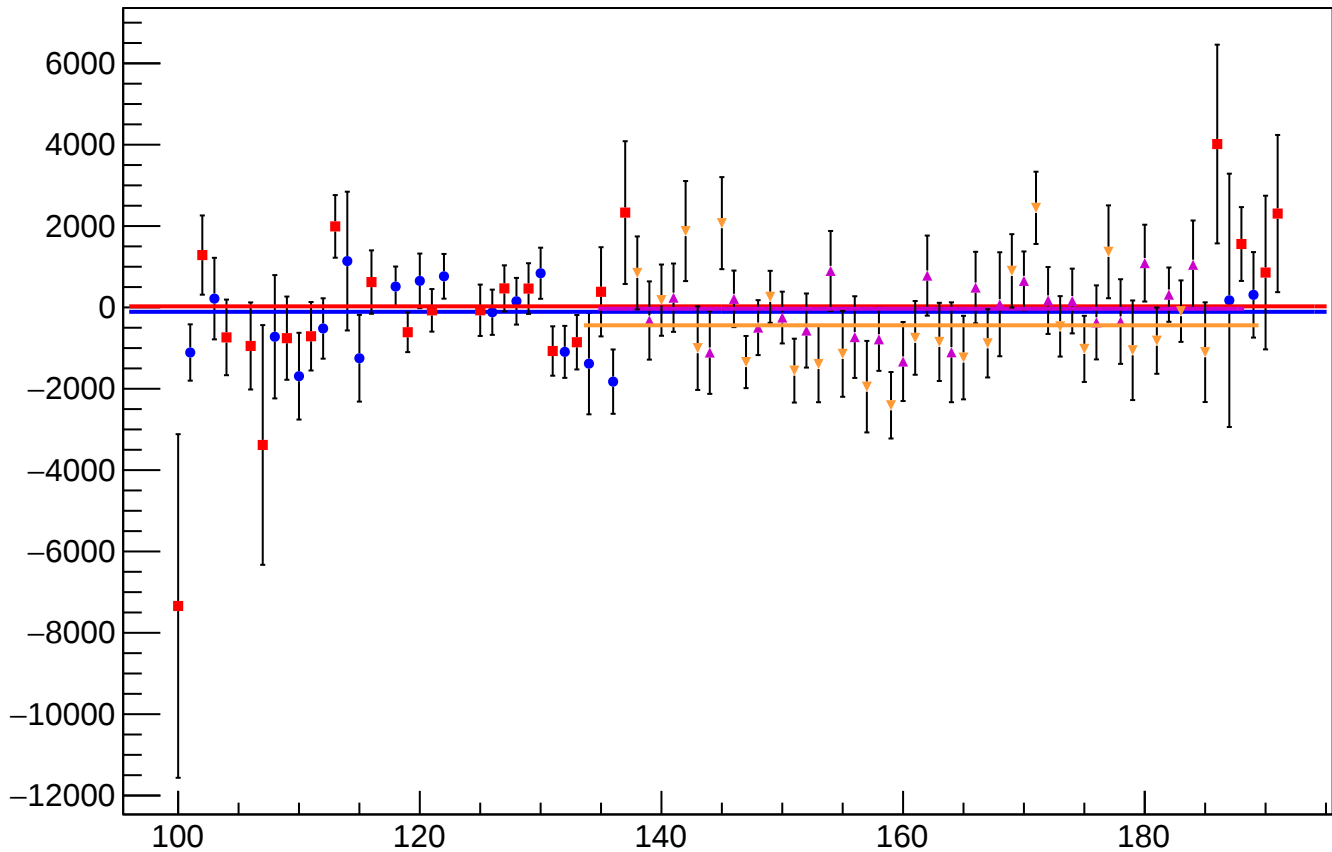
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

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

All: 567.021+/-0.057 χ^2/NDF : 3803946.9/87

- sign 567.314+/-0.081 χ^2/NDF : 2127282.0/44

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: 26.228 ± 174.009 χ^2/NDF : 32.8/21

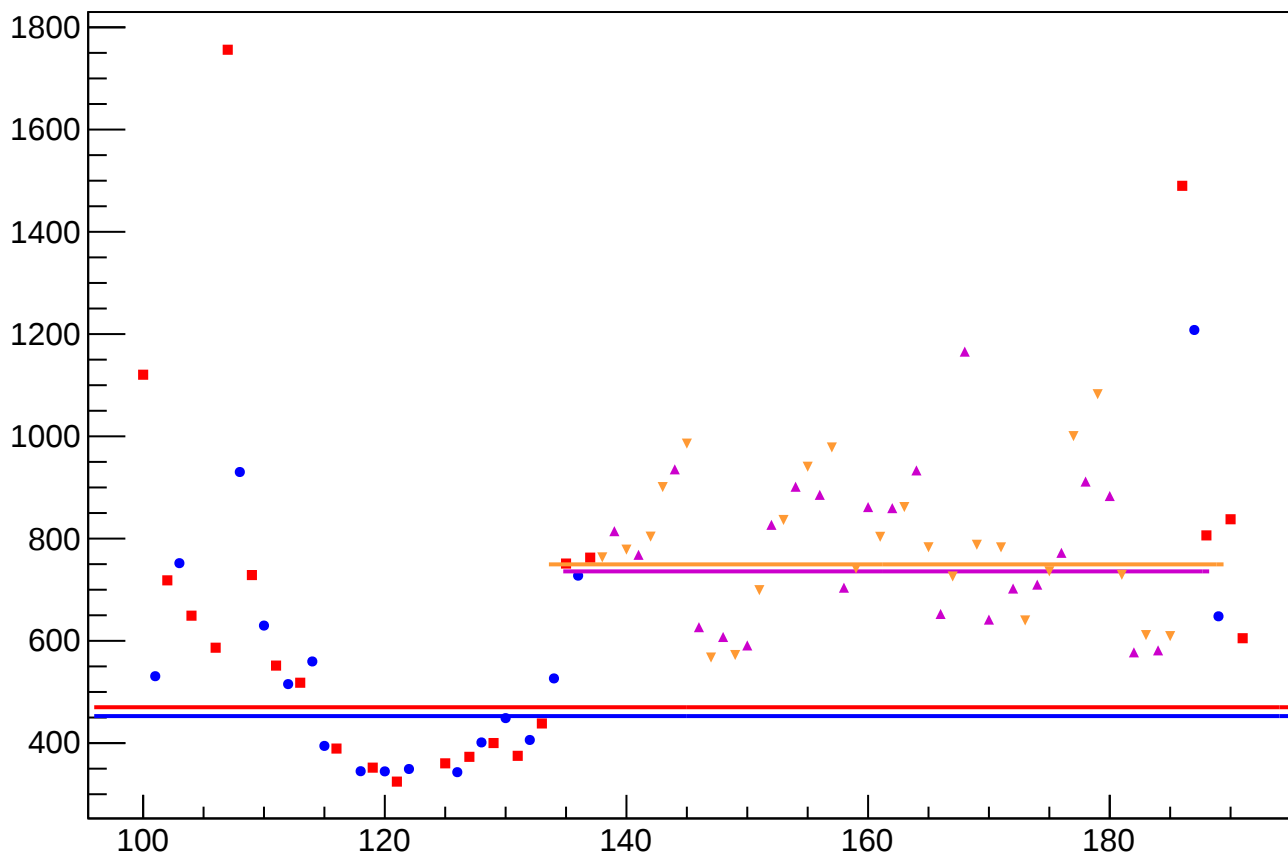
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

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

All: -137.280 ± 88.633 χ^2/NDF : 115.4/87

- sign -2.192 ± 124.916 χ^2/NDF : 45.0/44

asym_left_avg_correction_rms vs Slug



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

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

Right Out: 470.148+/-0.123 χ^2/NDF : 2196744.6/21

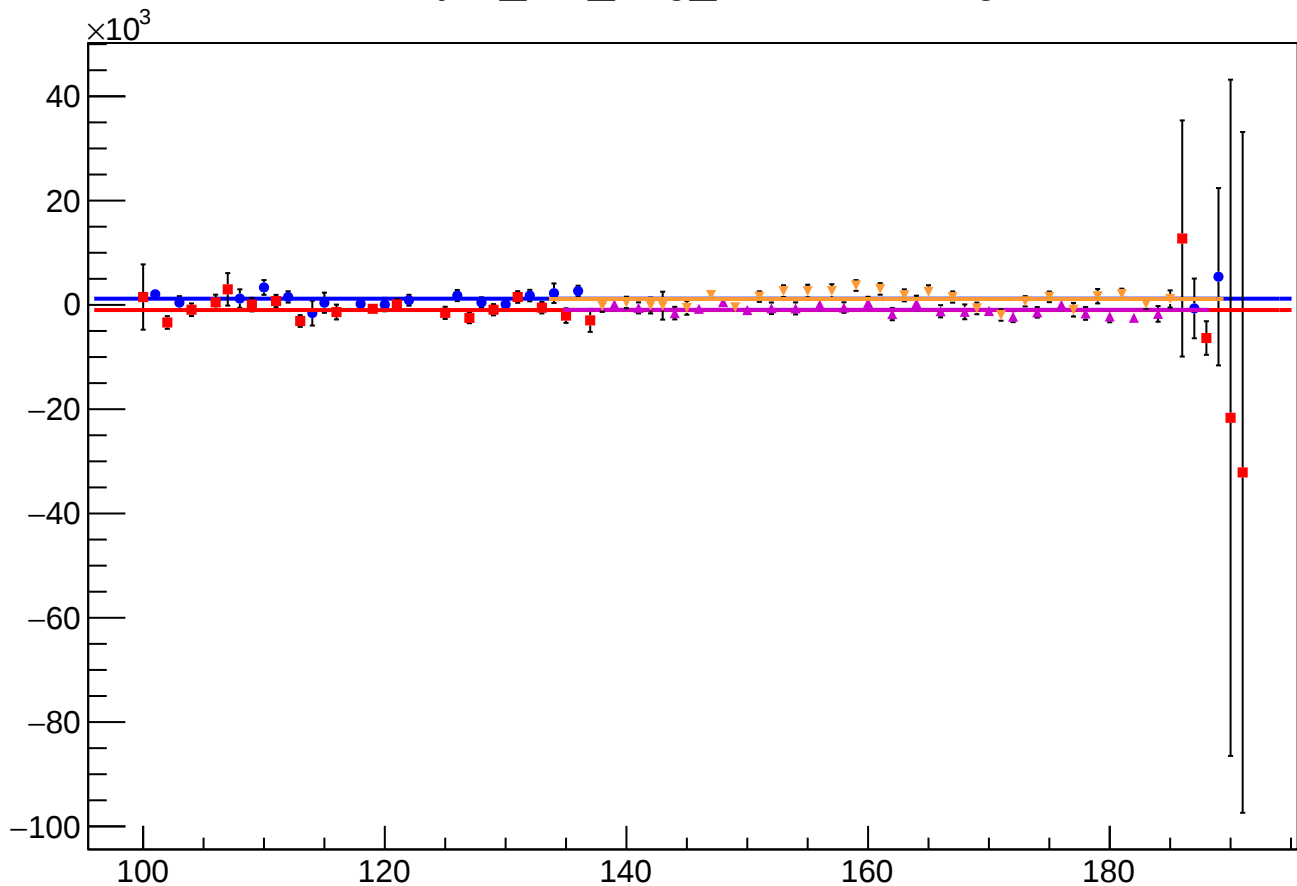
Left In: 735.850+/-0.127 χ^2/NDF : 1105405.5/22

+ sign 601.201+/-0.089 χ^2/NDF : 5079975.6/42

All: 600.055+/-0.063 χ^2/NDF : 10642495.1/87

- sign 598.925+/-0.088 χ^2/NDF : 5562189.7/44

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: -986.272 ± 292.972 χ^2/NDF : 26.6/21

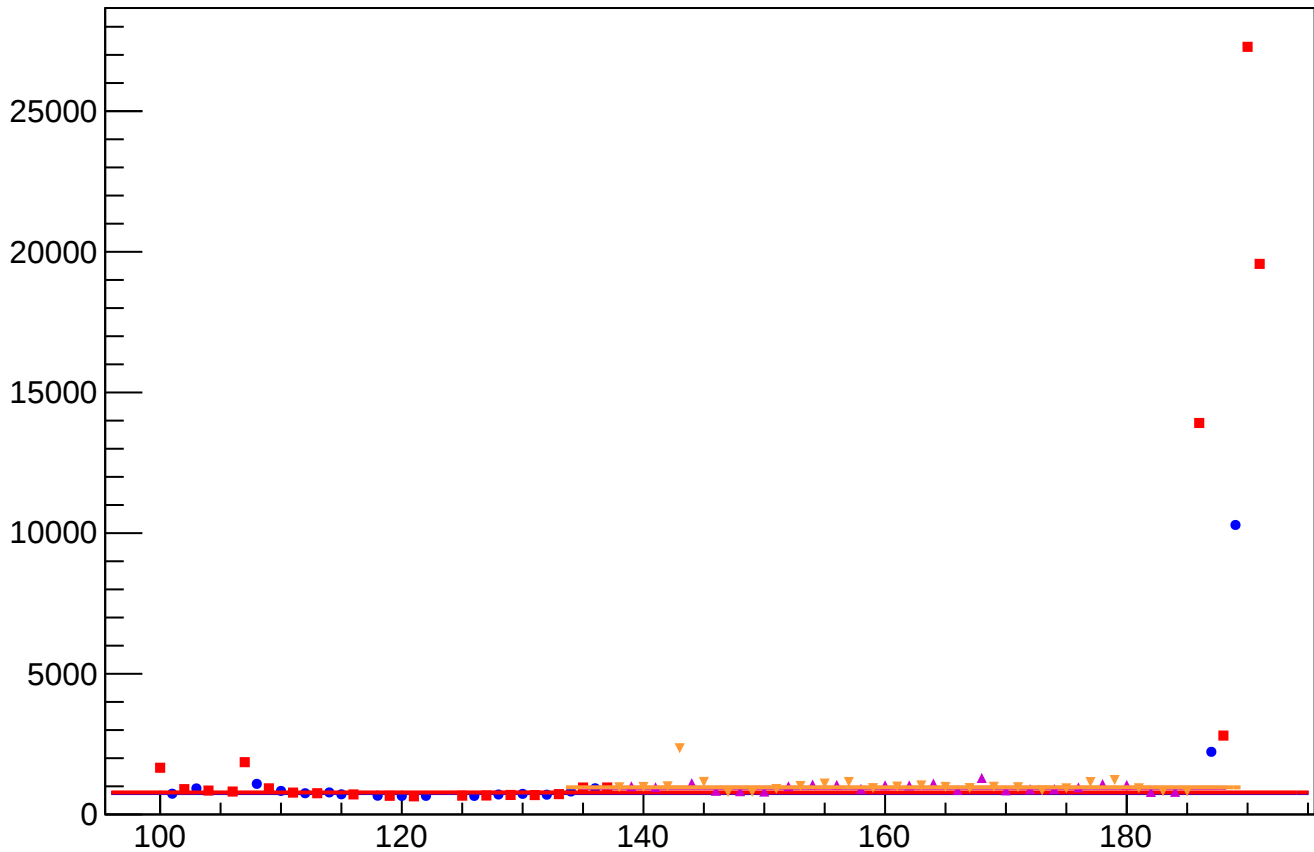
Left In: -941.702 ± 228.324 χ^2/NDF : 14.8/22

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

All: 94.253 ± 127.506 χ^2/NDF : 160.9/87

- sign -958.543 ± 180.092 χ^2/NDF : 41.4/44

asym_left_avg_rms vs Slug



Right In: 760.616 $\pm$ 0.209 χ^2 /NDF: 1010420.9/17

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

Right Out: 782.330 $\pm$ 0.207 χ^2 /NDF: 2488989.9/21

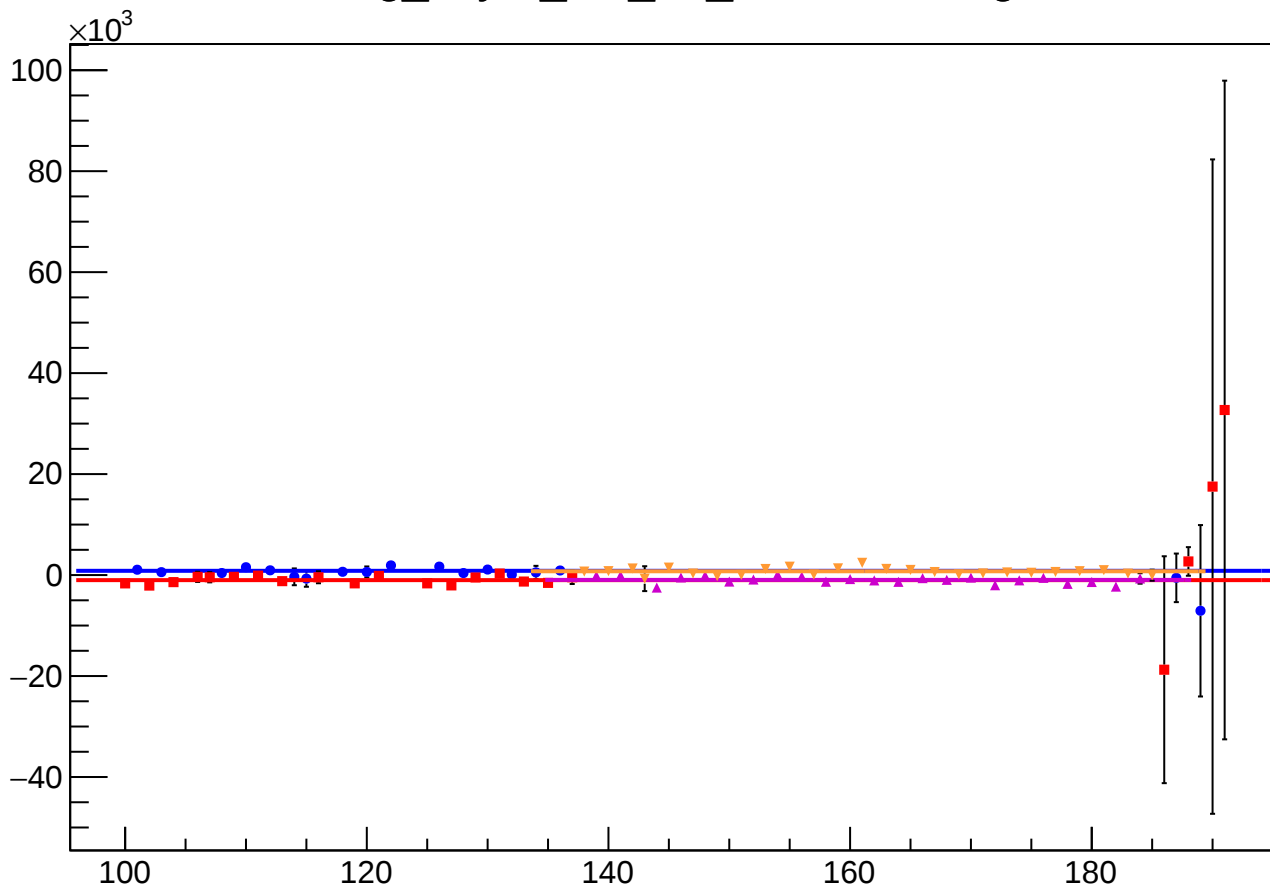
Left In: 946.573 $\pm$ 0.161 χ^2 /NDF: 501366.9/22

+ sign 888.463 $\pm$ 0.128 χ^2 /NDF: 2609545.7/42

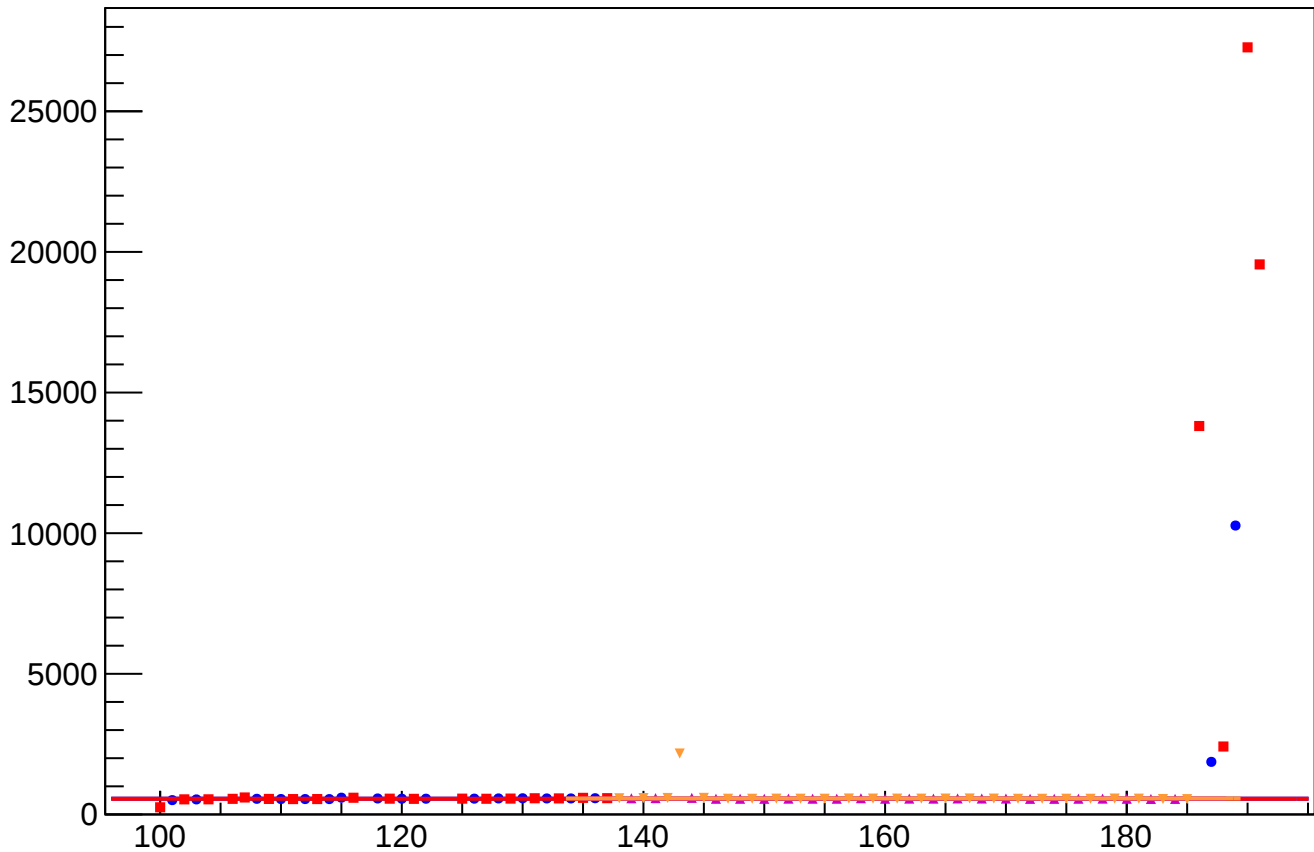
All: 886.482 $\pm$ 0.090 χ^2 /NDF: 5991434.0/87

- sign 884.511 $\pm$ 0.127 χ^2 /NDF: 3381408.1/44

reg_asym_left_dd_mean vs Slug



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: 557.819 $\pm$ 0.147 χ^2 /NDF: 2285901.9/21

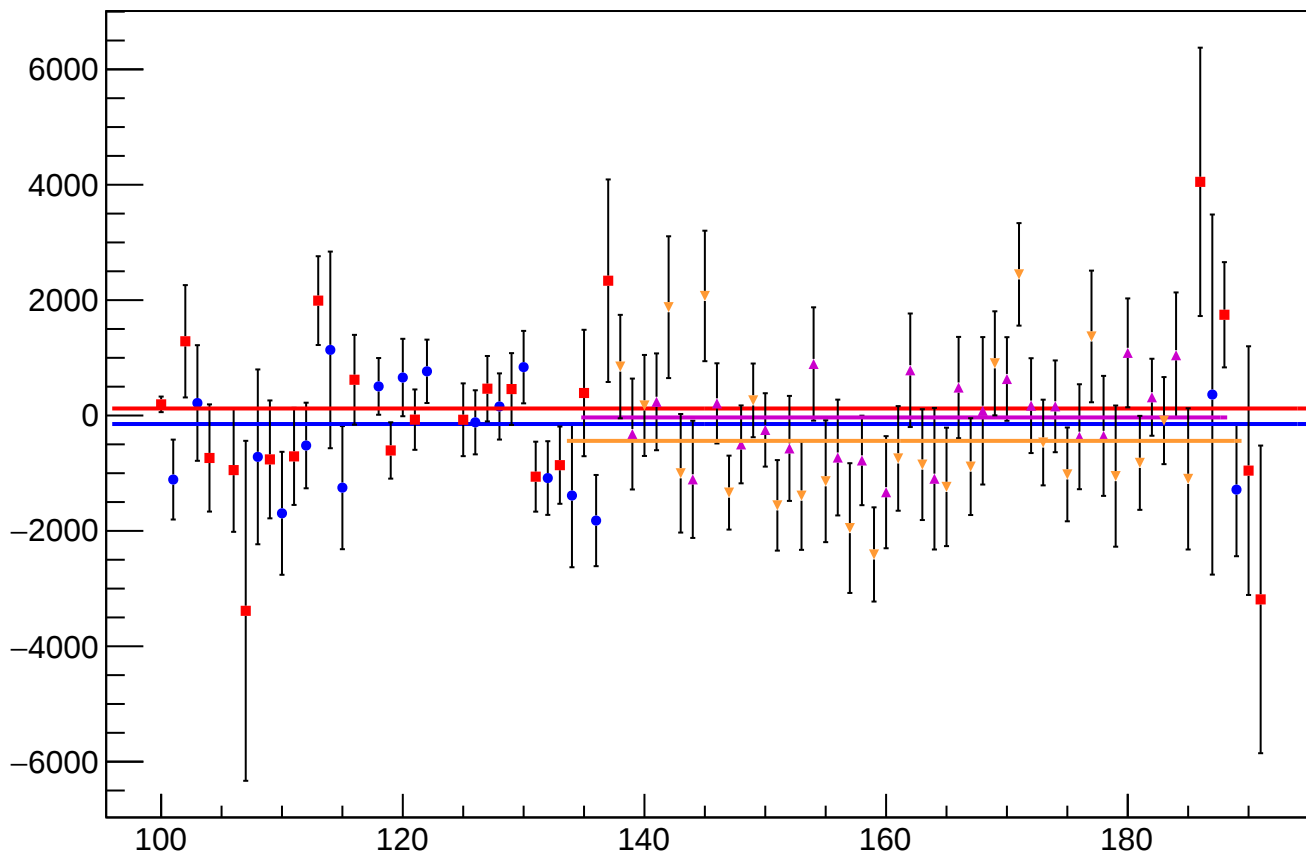
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

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

All: 564.179 $\pm$ 0.057 χ^2 /NDF: 3975645.8/87

- sign 562.121 $\pm$ 0.080 χ^2 /NDF: 2296326.3/44

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: 121.836+/-106.776 χ^2/NDF : 31.5/21

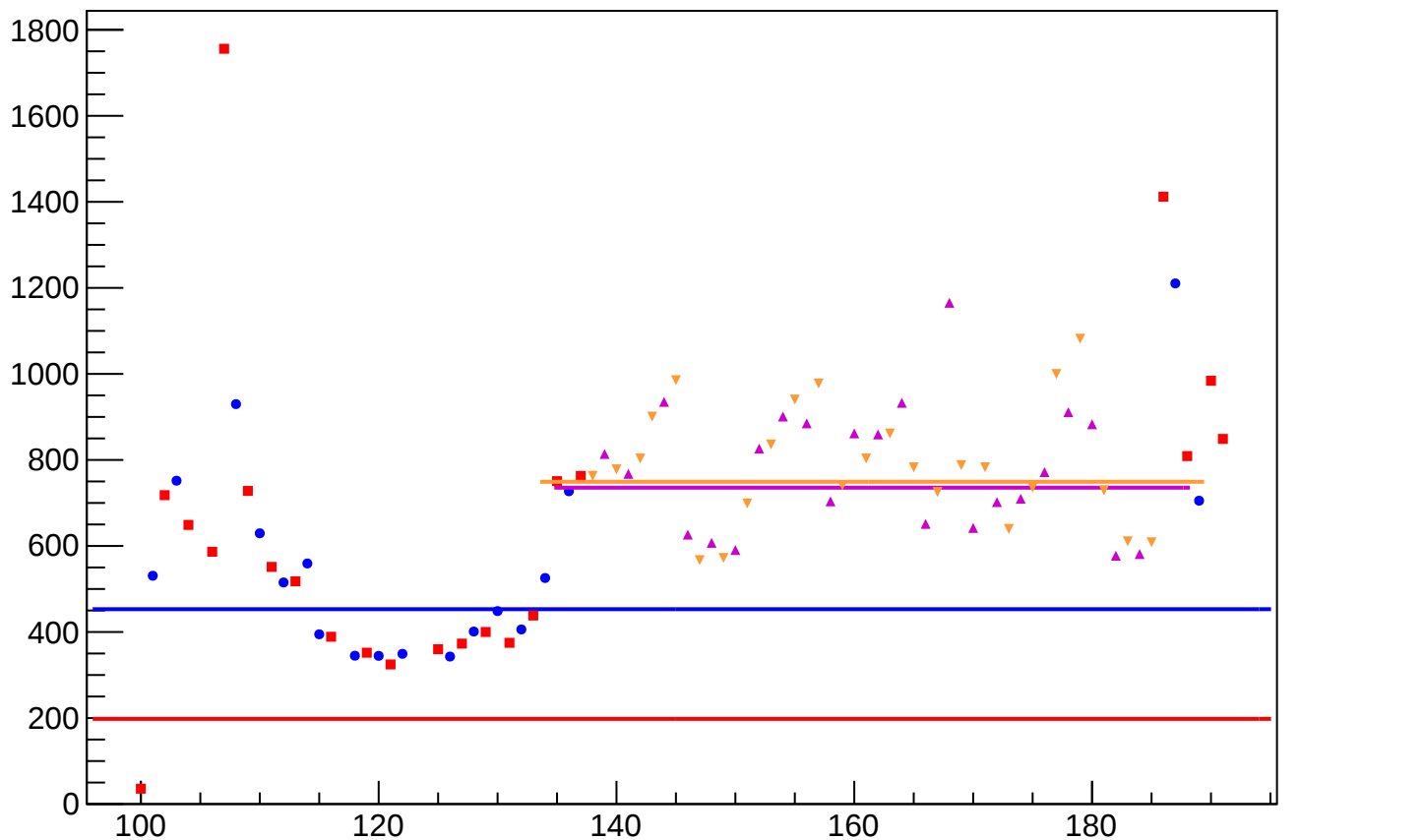
Left In: -33.325+/-179.355 χ^2/NDF : 12.1/22

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

All: -48.898+/-74.144 χ^2/NDF : 118.5/87

- sign 81.234+/-91.748 χ^2/NDF : 44.2/44

asym_left_dd_correction_rms vs Slug



Right In: 453.018 $\pm$ 0.126 χ^2/NDF : 1270492.5/17

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

Right Out: 198.018 $\pm$ 0.076 χ^2/NDF : 9933964.8/21

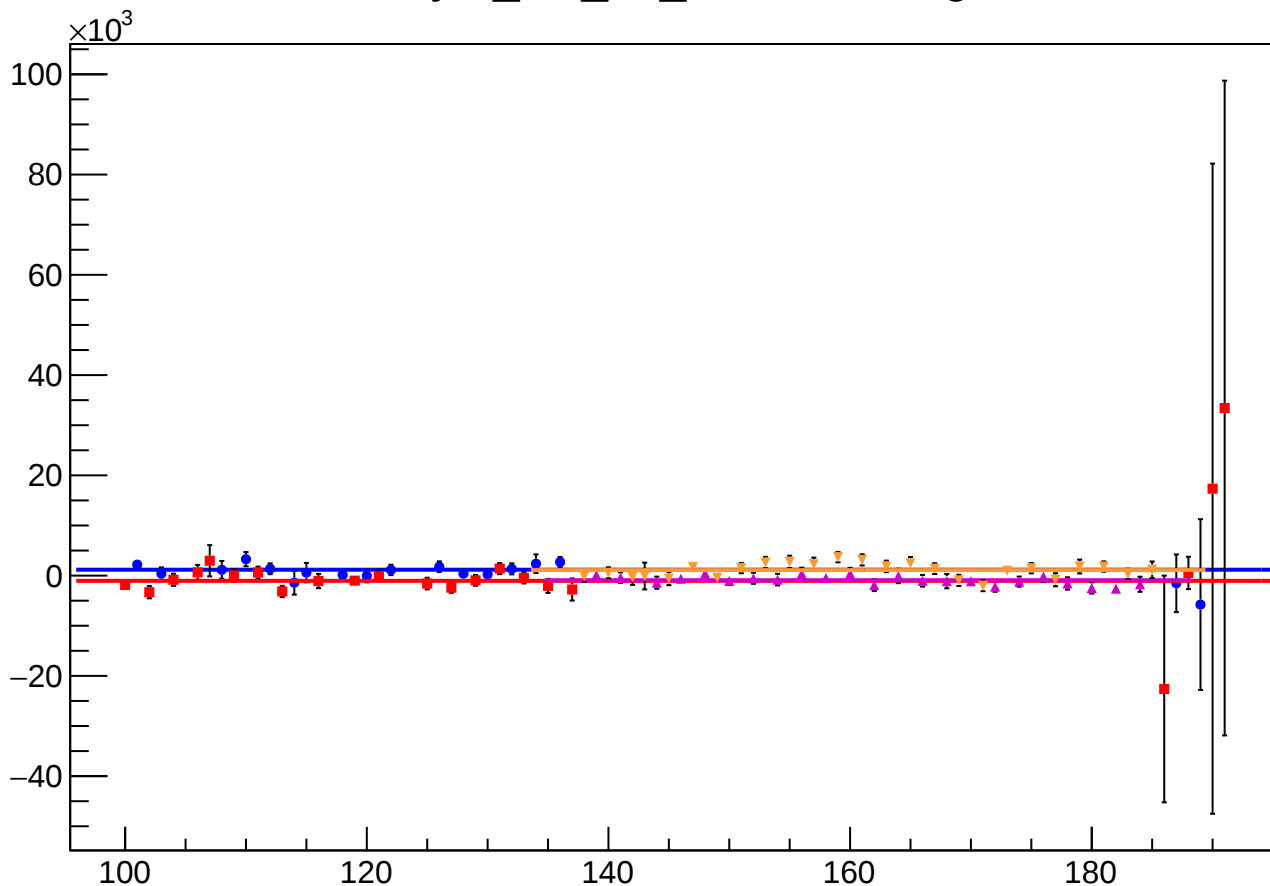
Left In: 735.543 $\pm$ 0.127 χ^2/NDF : 1105222.3/22

+ sign 601.498 $\pm$ 0.089 χ^2/NDF : 5094193.4/42

All: 429.856 $\pm$ 0.052 χ^2/NDF : 35090349.4/87

- sign 338.675 $\pm$ 0.065 χ^2/NDF : 24302327.7/44

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: -1038.086 $\pm$ 280.546 χ^2 /NDF: 23.9/21

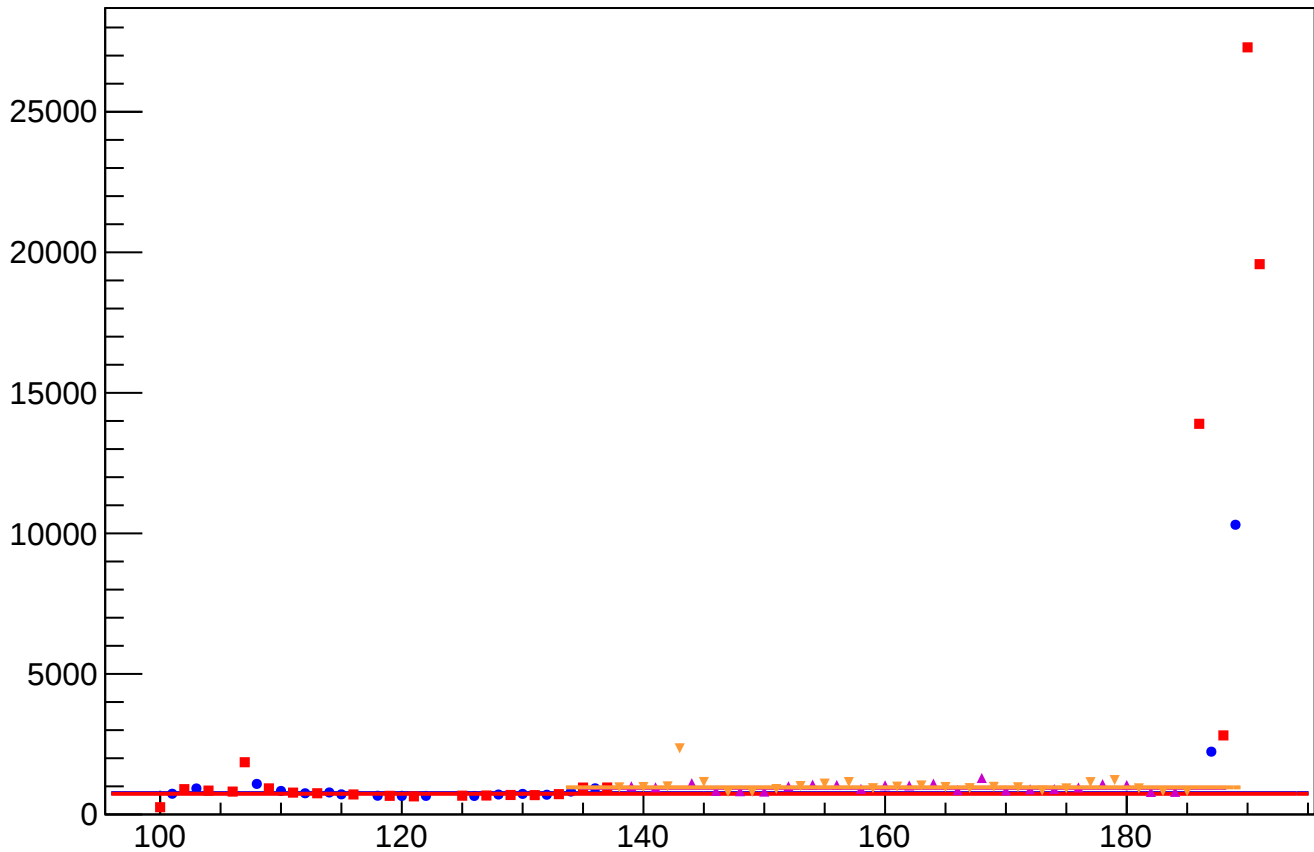
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF:15.1/22

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

All: 57.985 $\pm$ 126.367 χ^2 /NDF: 158.5/87

- sign -970.799 $\pm$ 177.028 χ^2 /NDF: 39.2/44

asym_left_dd_rms vs Slug



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

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

Right Out: 736.010+/-0.198 χ^2/NDF : 2985925.9/21

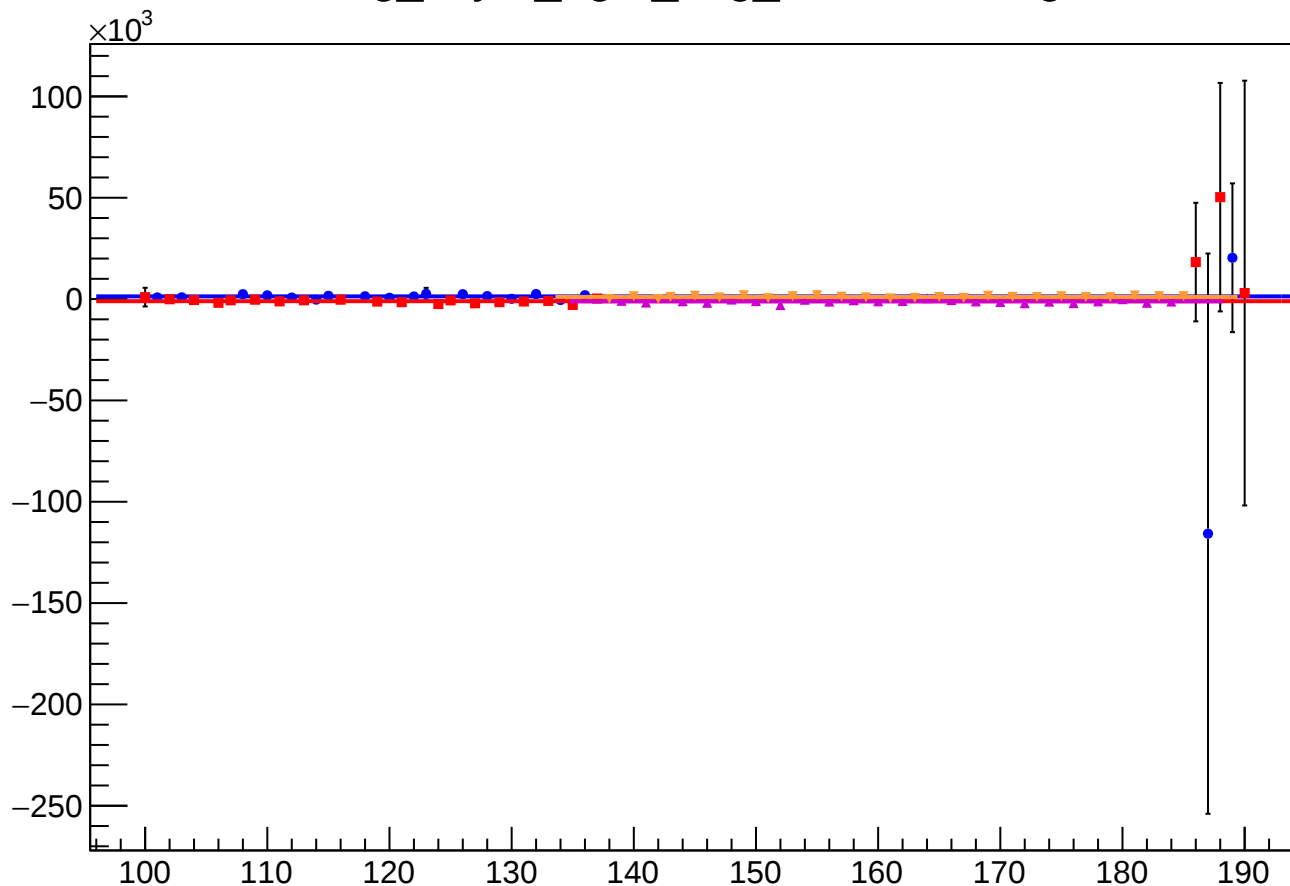
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

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

All: 874.914+/-0.089 χ^2/NDF : 6794055.3/87

- sign 862.411+/-0.125 χ^2/NDF : 4161981.9/44

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

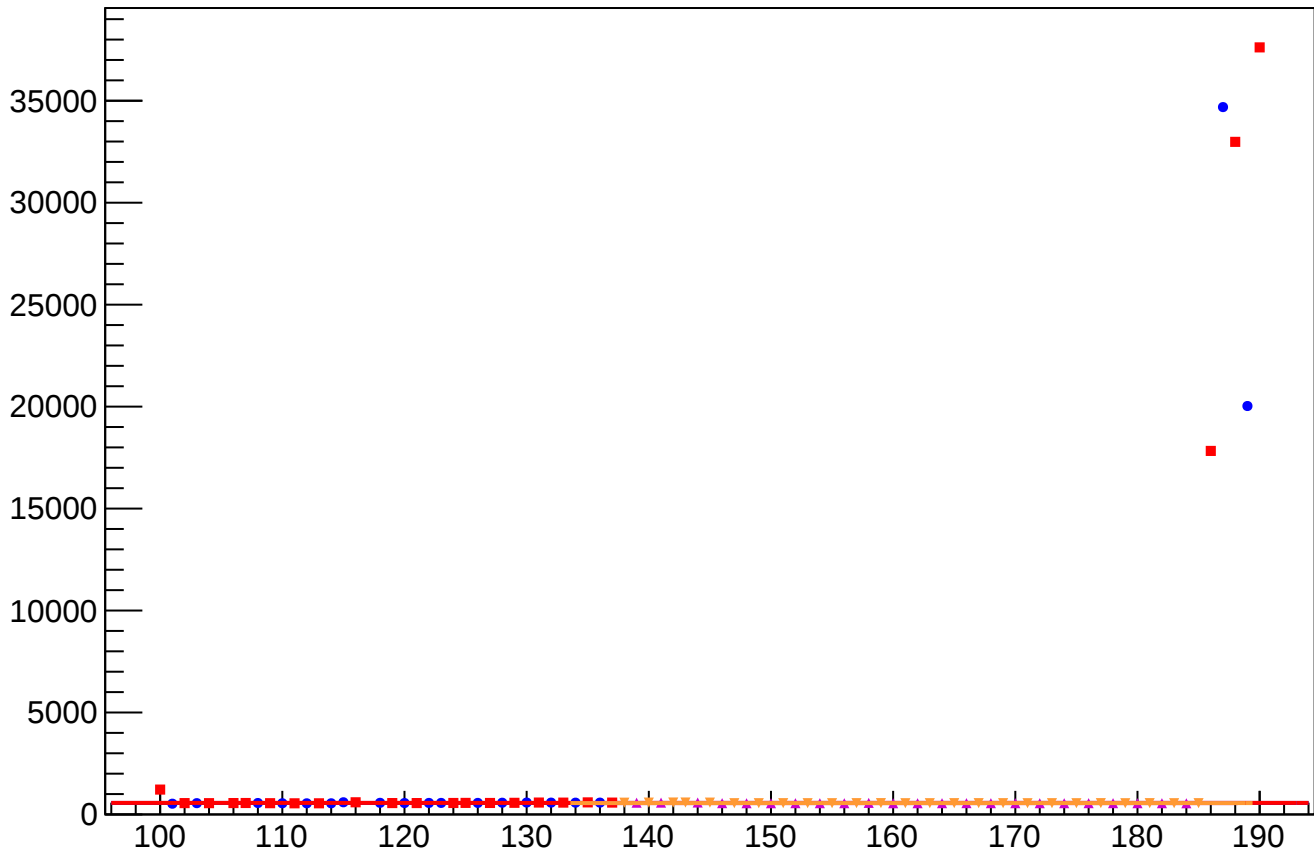
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

+ 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

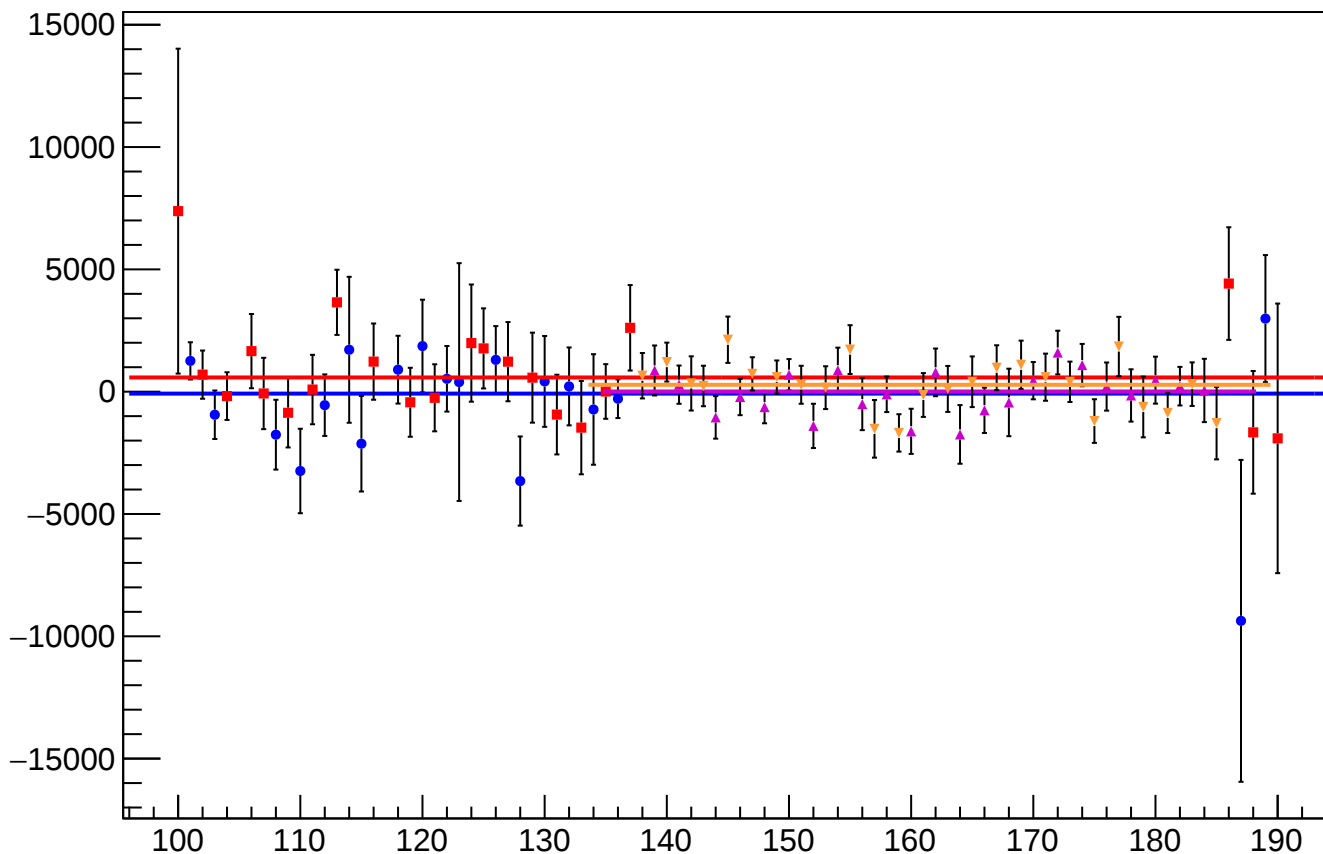
Left In: 556.969+/-0.094 χ^2/NDF : 11209.7/22

+ 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

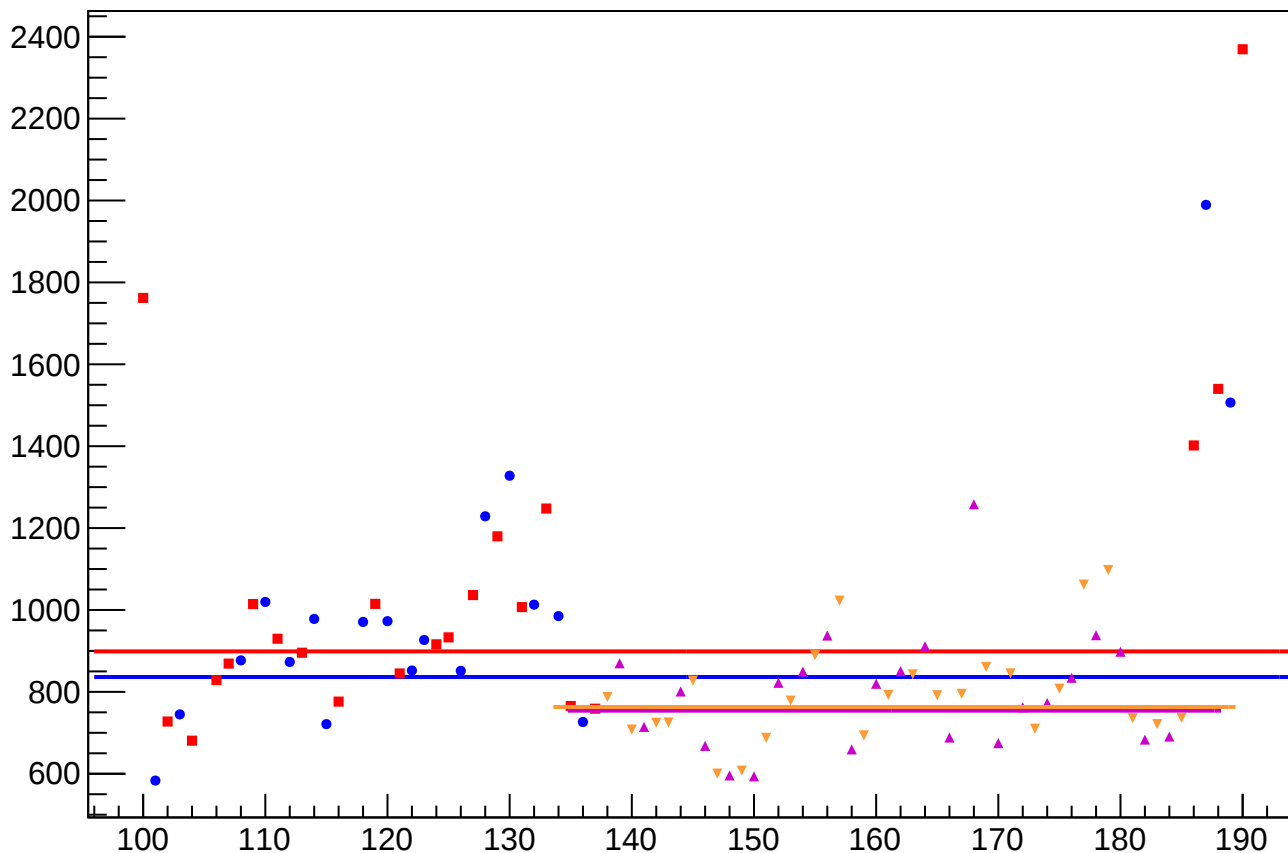
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ 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+/-0.230 χ^2/NDF : 804758.6/18

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

Right Out: 898.823+/-0.231 χ^2/NDF : 790470.9/21

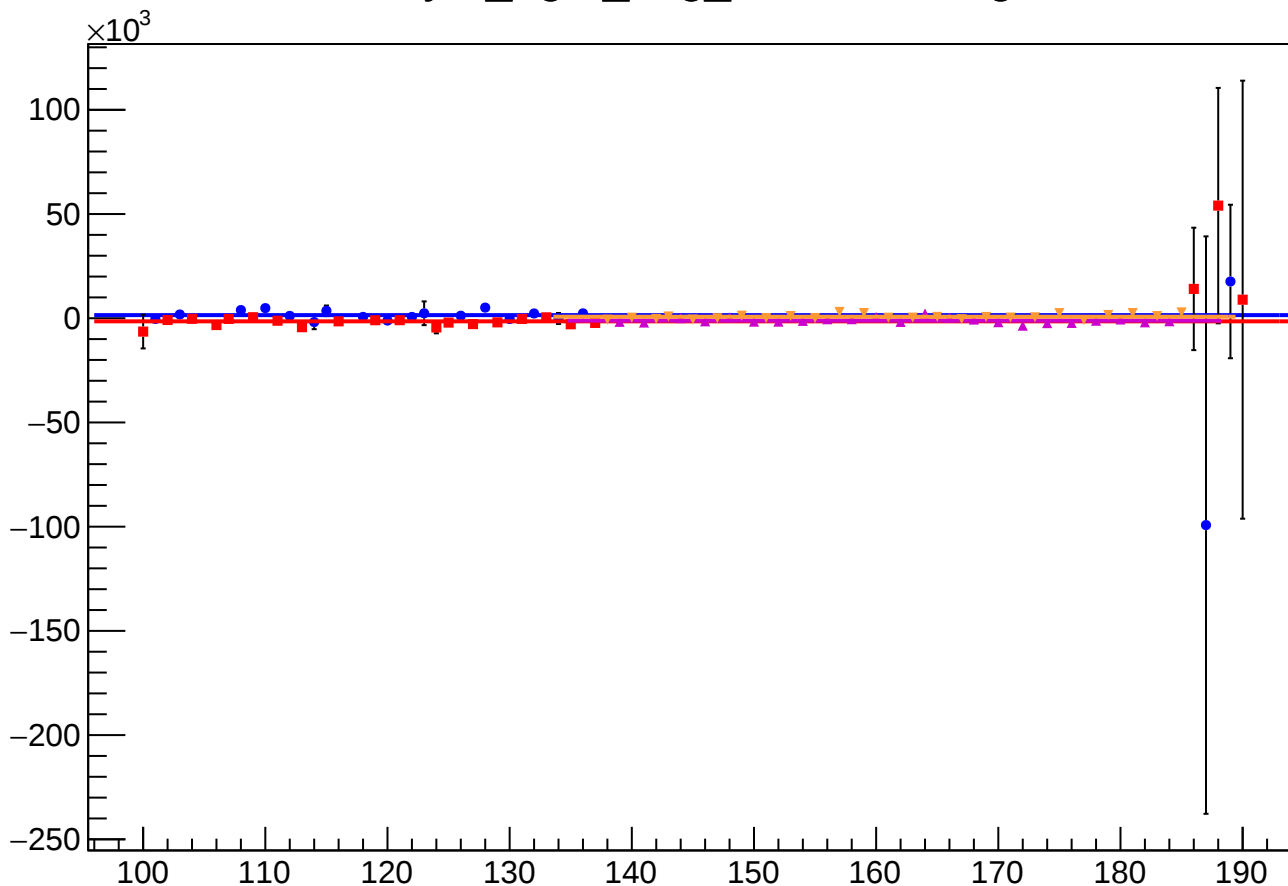
Left In: 754.099+/-0.130 χ^2/NDF : 931829.3/22

+ sign 780.296+/-0.112 χ^2/NDF : 1635817.6/43

All: 784.522+/-0.079 χ^2/NDF : 3660208.3/88

- sign 788.859+/-0.113 χ^2/NDF : 2021484.1/44

asym_right_avg_mean vs Slug



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

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

Right Out: -1481.911 $\pm$ 400.668 χ^2 /NDF: 13.3/21

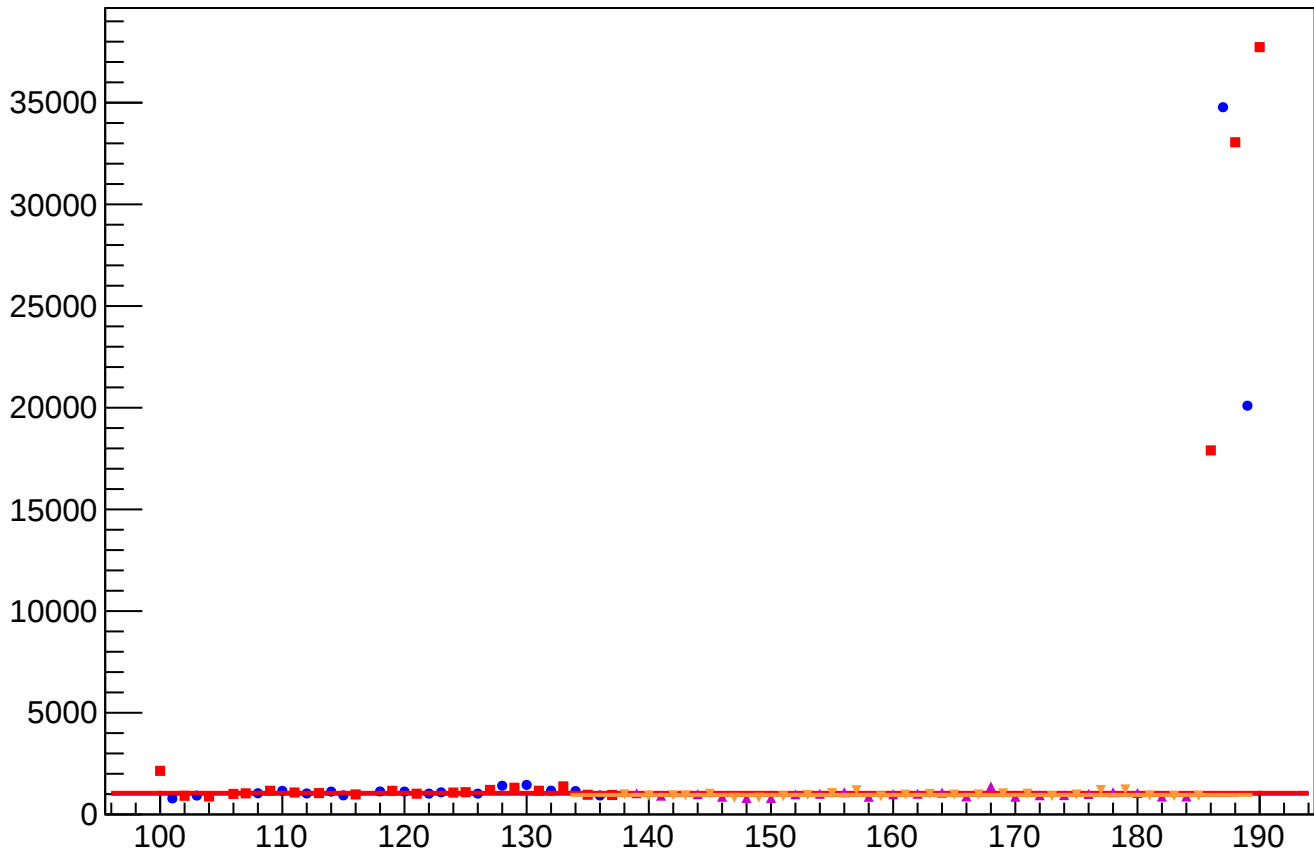
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

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

All: -131.312 $\pm$ 140.097 χ^2 /NDF: 139.3/88

- sign -1213.188 $\pm$ 199.513 χ^2 /NDF: 39.2/44

asym_right_avg_rms vs Slug



Right In: 1024.602 $\pm$ 0.285 χ^2/NDF : 1000537.4/18

Left Out: 962.256 $\pm$ 0.159 χ^2/NDF : 362937.6/24

Right Out: 1063.247 $\pm$ 0.283 χ^2/NDF : 1803679.4/21

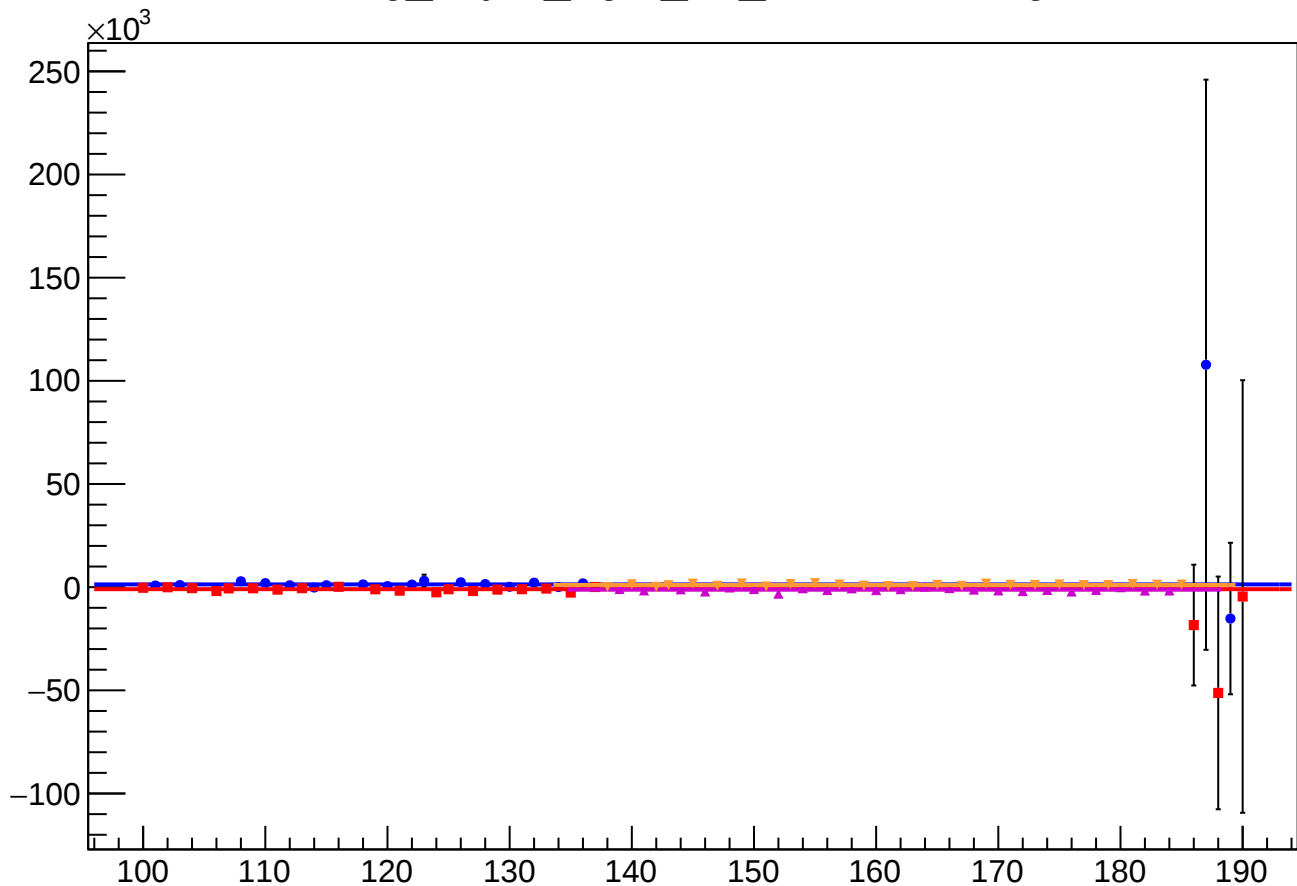
Left In: 954.643 $\pm$ 0.163 χ^2/NDF : 443395.0/22

+ sign 977.145 $\pm$ 0.139 χ^2/NDF : 1399976.2/43

- sign 981.572 $\pm$ 0.141 χ^2/NDF : 2357581.9/44

All: 979.328 $\pm$ 0.099 χ^2/NDF : 3758057.3/88

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

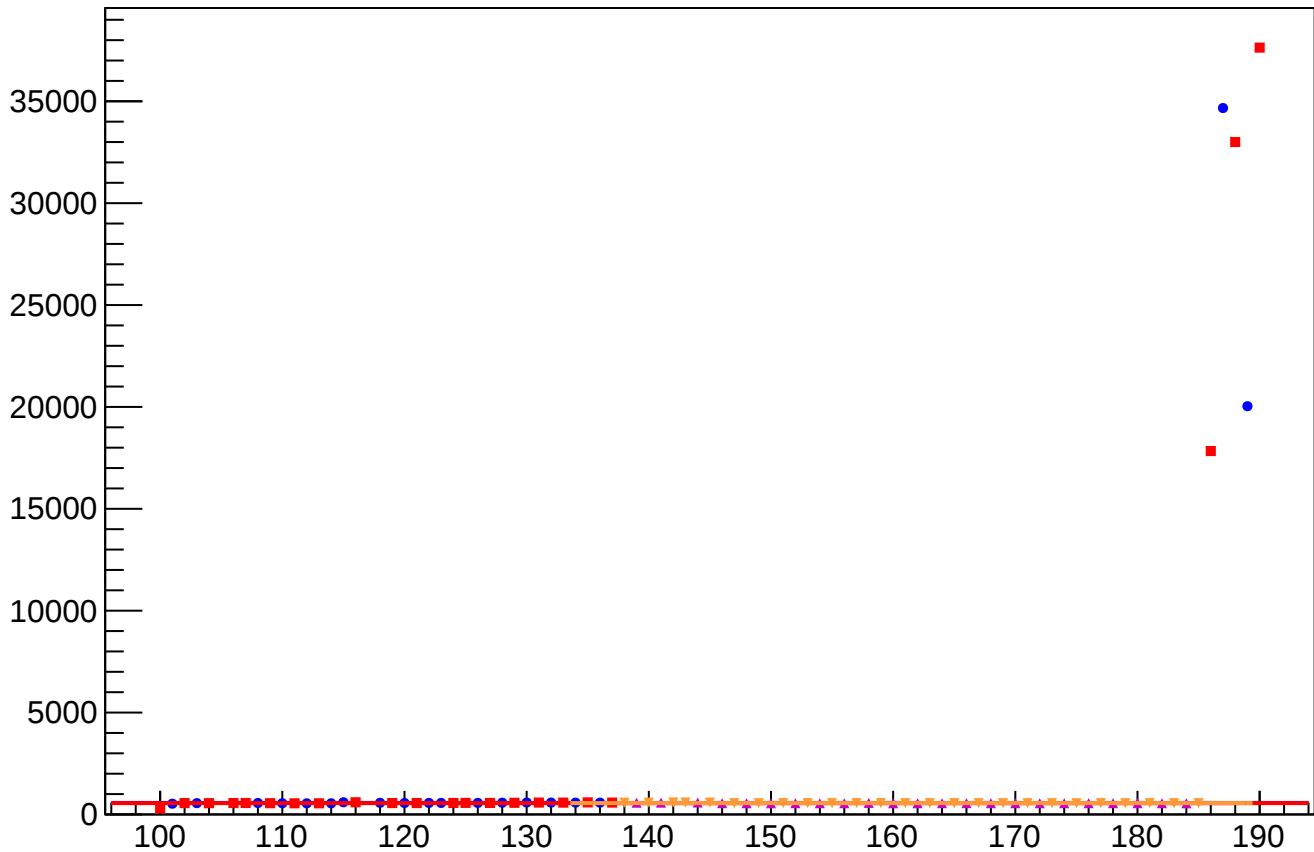
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ 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+/-0.155 χ^2/NDF : 705966.4/18

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

Right Out: 555.950+/-0.148 χ^2/NDF : 1770733.6/21

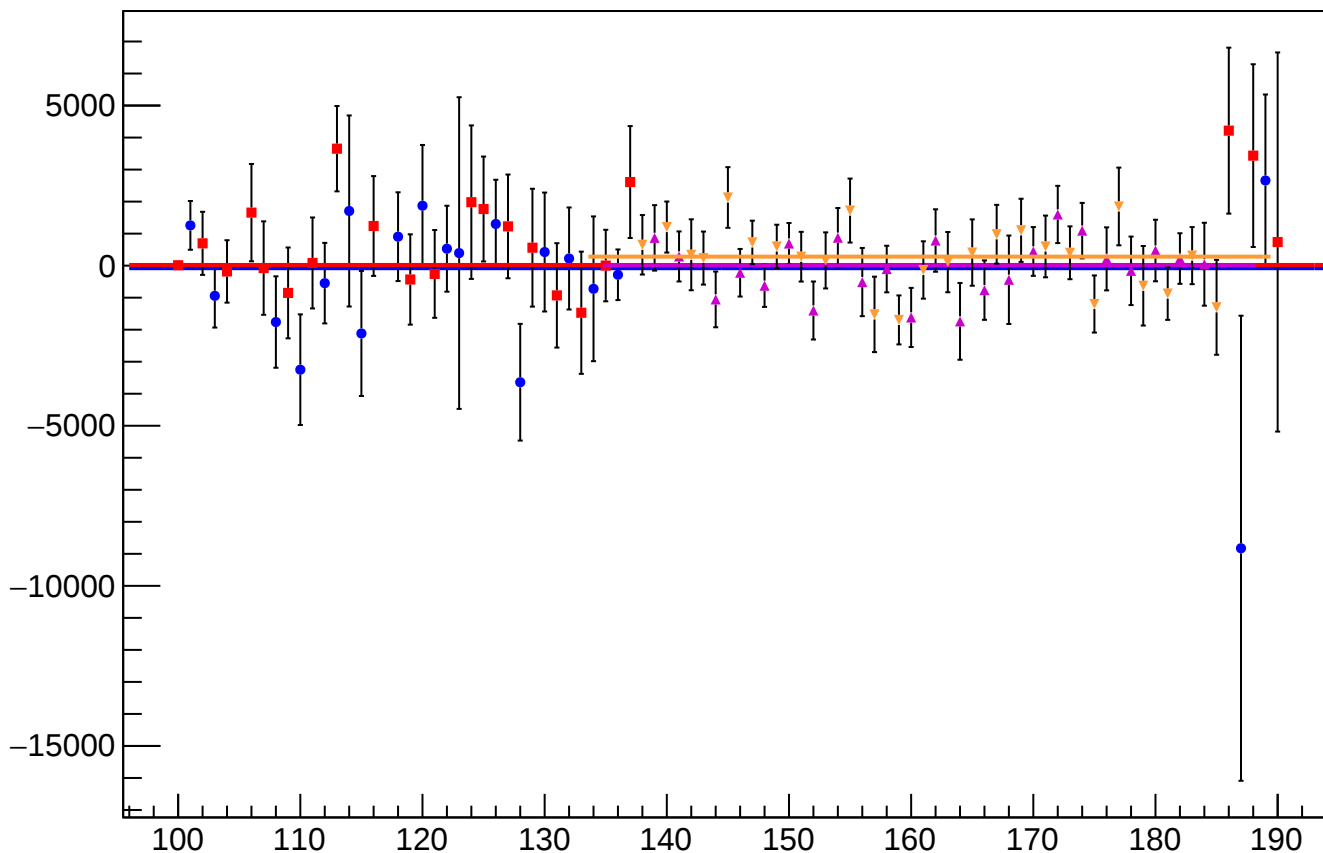
Left In: 557.597+/-0.094 χ^2/NDF : 11276.8/22

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

All: 558.510+/-0.056 χ^2/NDF : 2504914.1/88

- sign 557.119+/-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

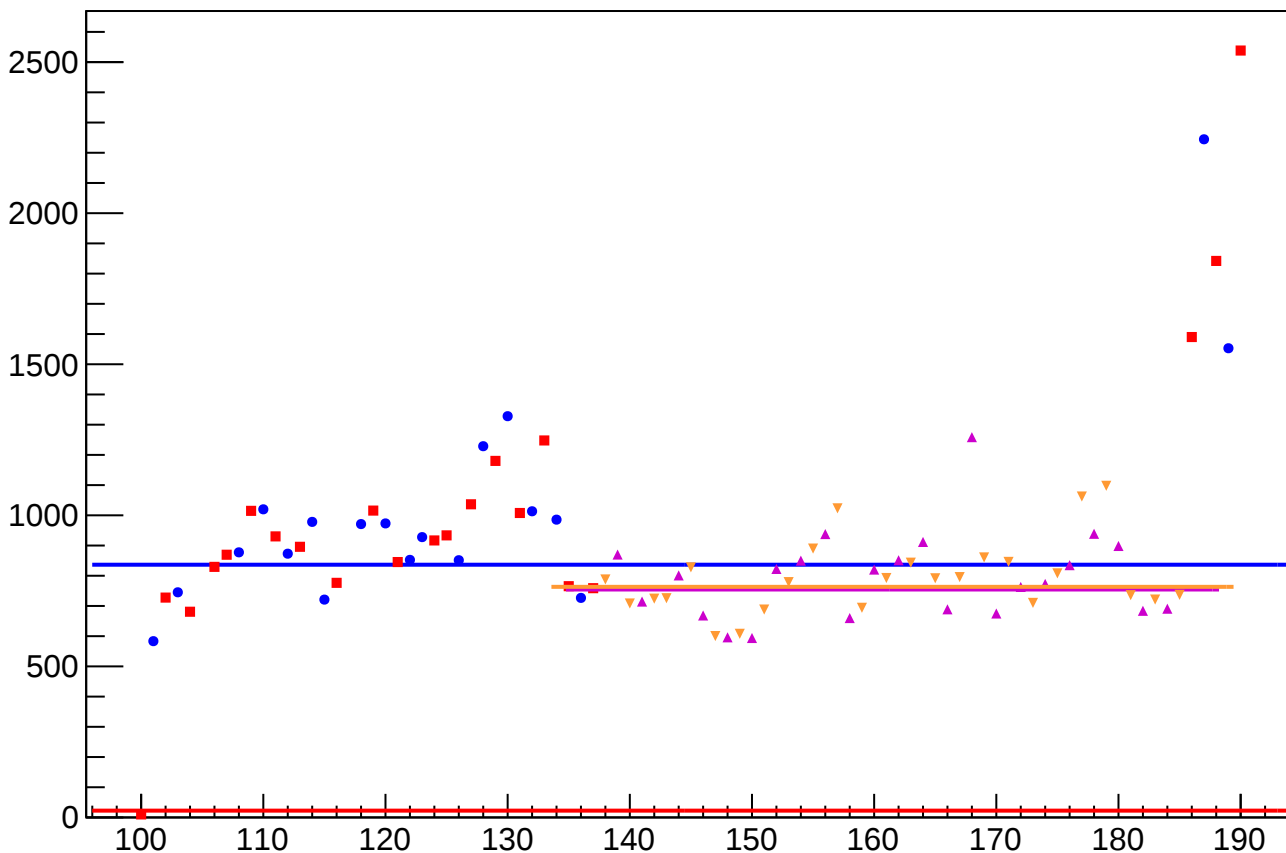
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ 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 $\pm$ 0.230 χ^2 /NDF: 827671.7/18

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

Right Out: 22.573 $\pm$ 0.028 χ^2 /NDF: 15385097.0/21

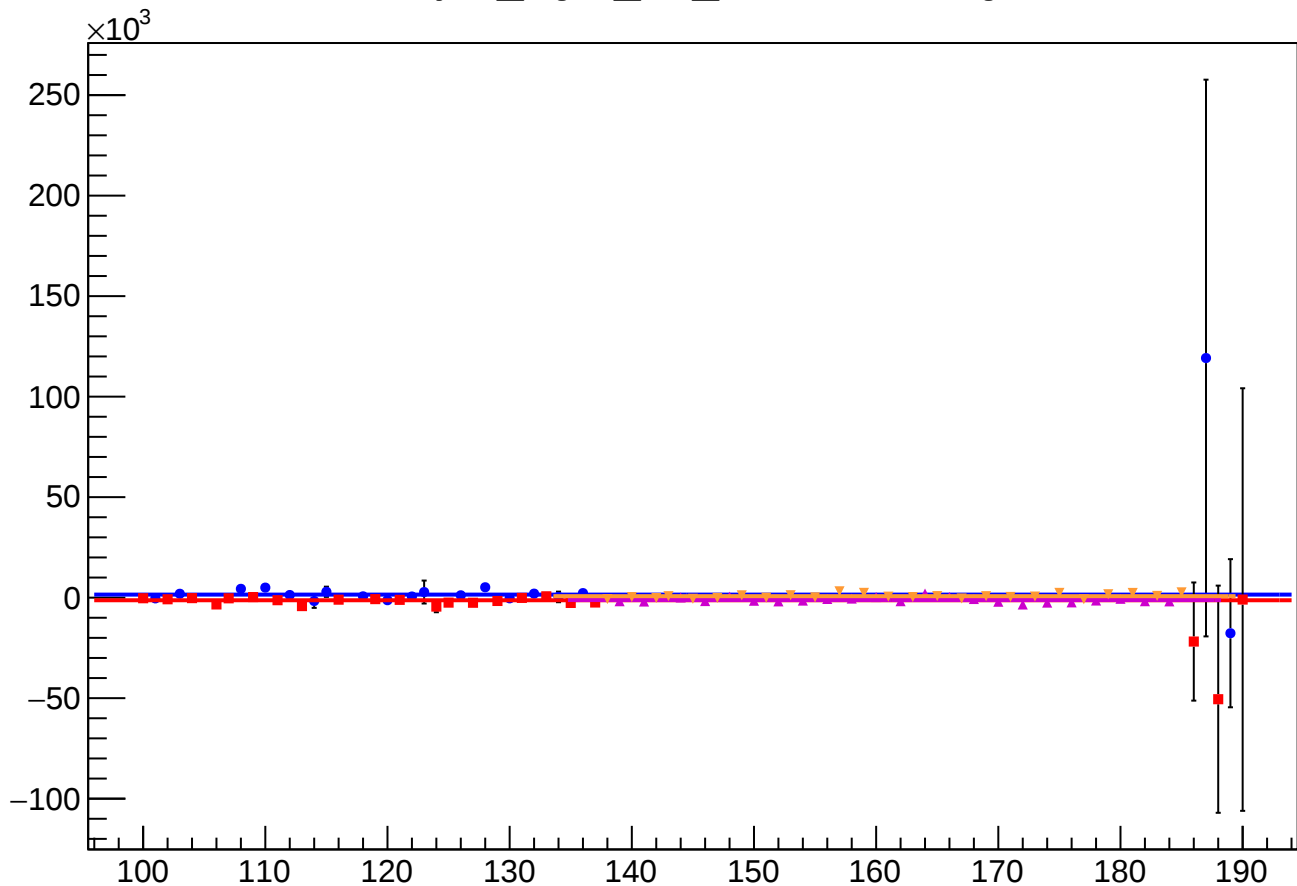
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 780.510 $\pm$ 0.112 χ^2 /NDF: 1658726.6/43

All: 94.113 $\pm$ 0.026 χ^2 /NDF: 88449728.7/88

- sign 54.131 $\pm$ 0.027 χ^2 /NDF: 46771652.4/44

asym_right_dd_mean vs Slug



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

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

Right Out: -1293.094 $\pm$ 376.637 χ^2 /NDF: 13.6/21

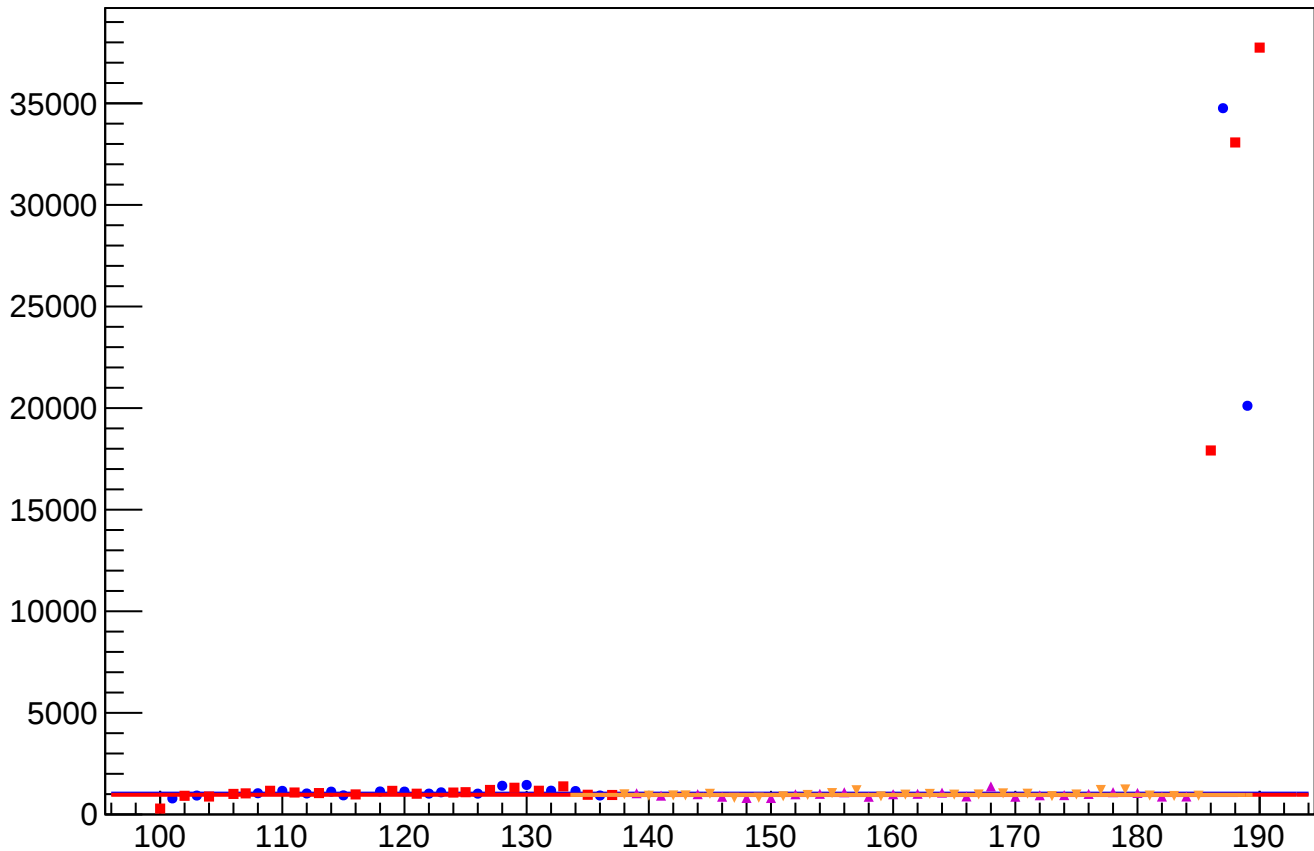
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

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

All: -142.427 $\pm$ 139.057 χ^2 /NDF: 138.8/88

- sign -1208.061 $\pm$ 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

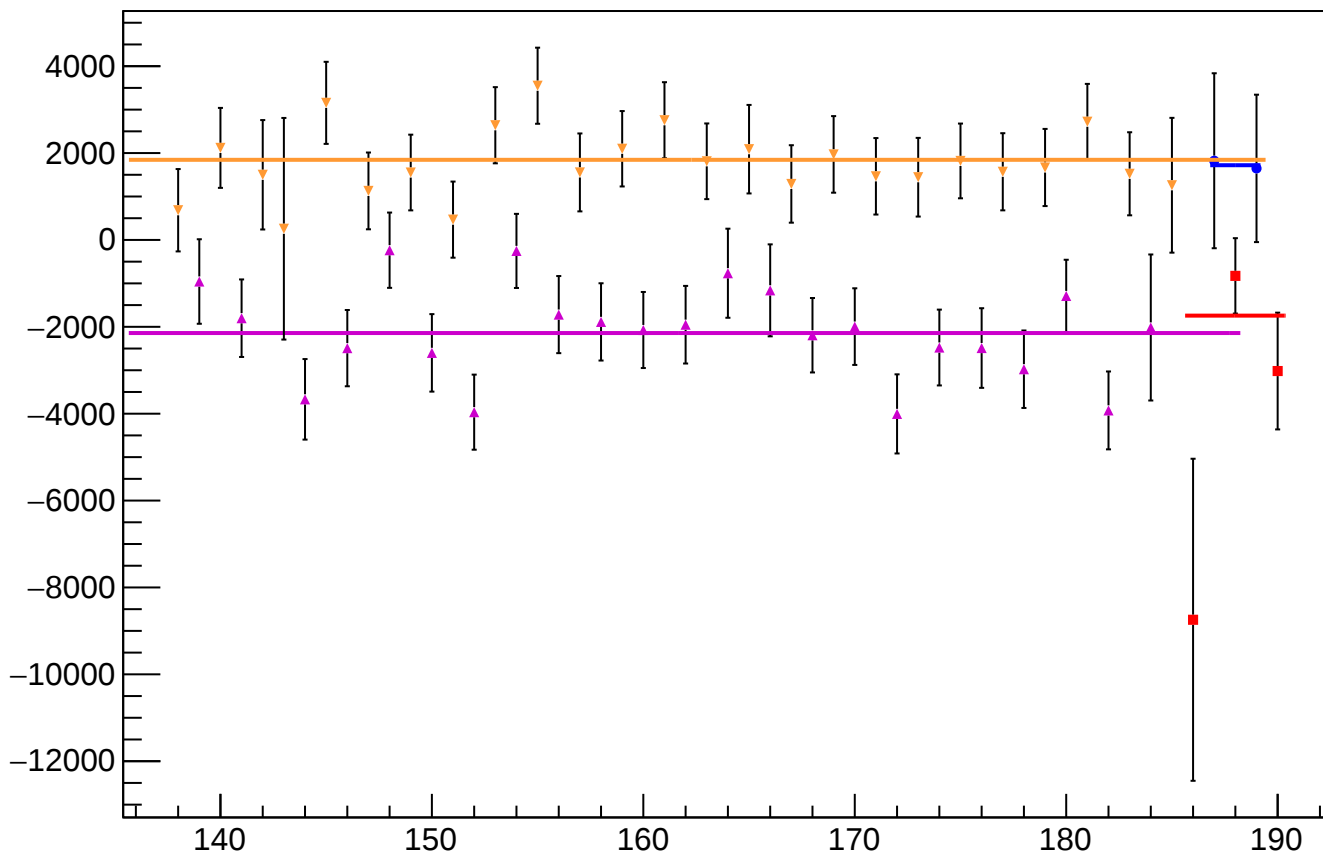
Left In: 955.331+/-0.163 χ^2/NDF : 443068.5/22

+ 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

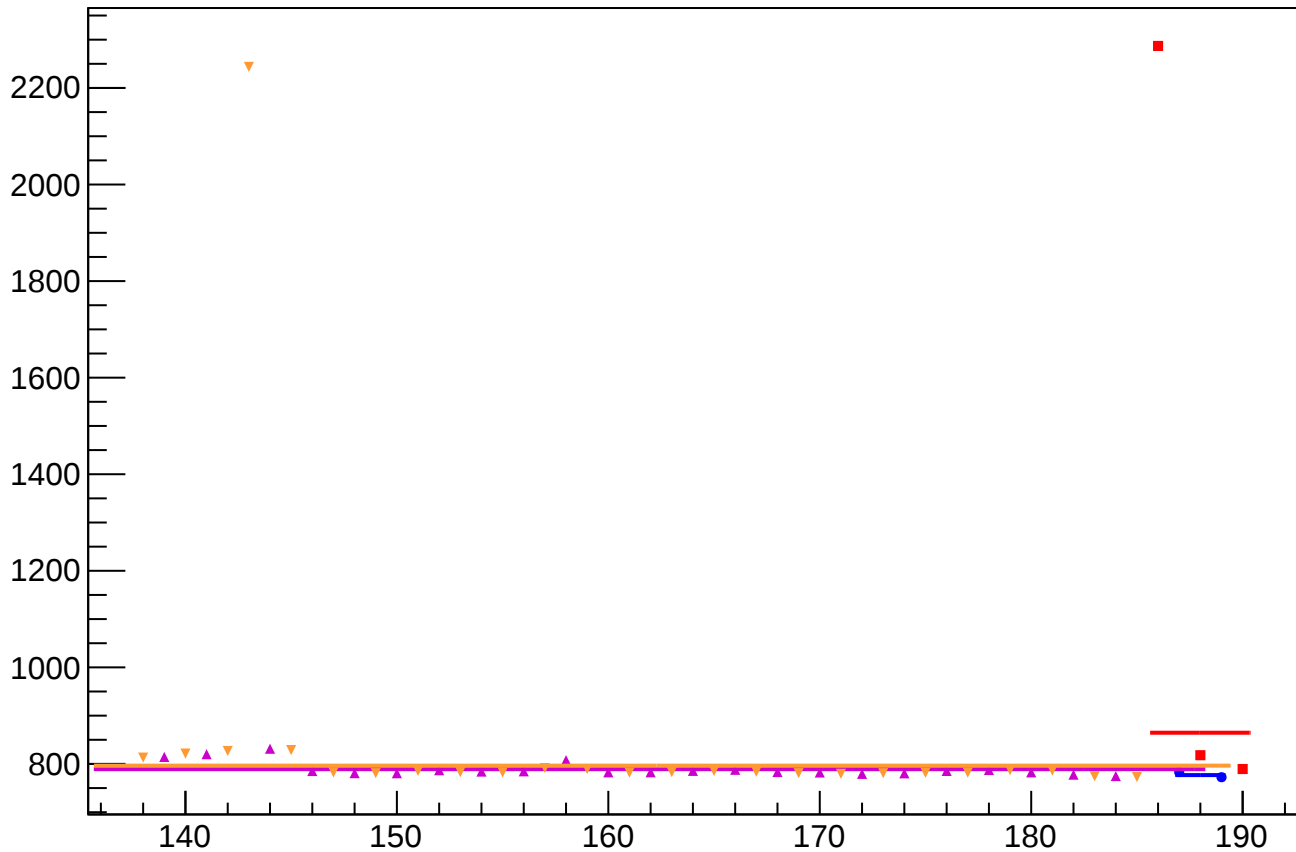
Left In: -2143.254+/-190.144 χ^2/NDF :32.4/22

+ 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

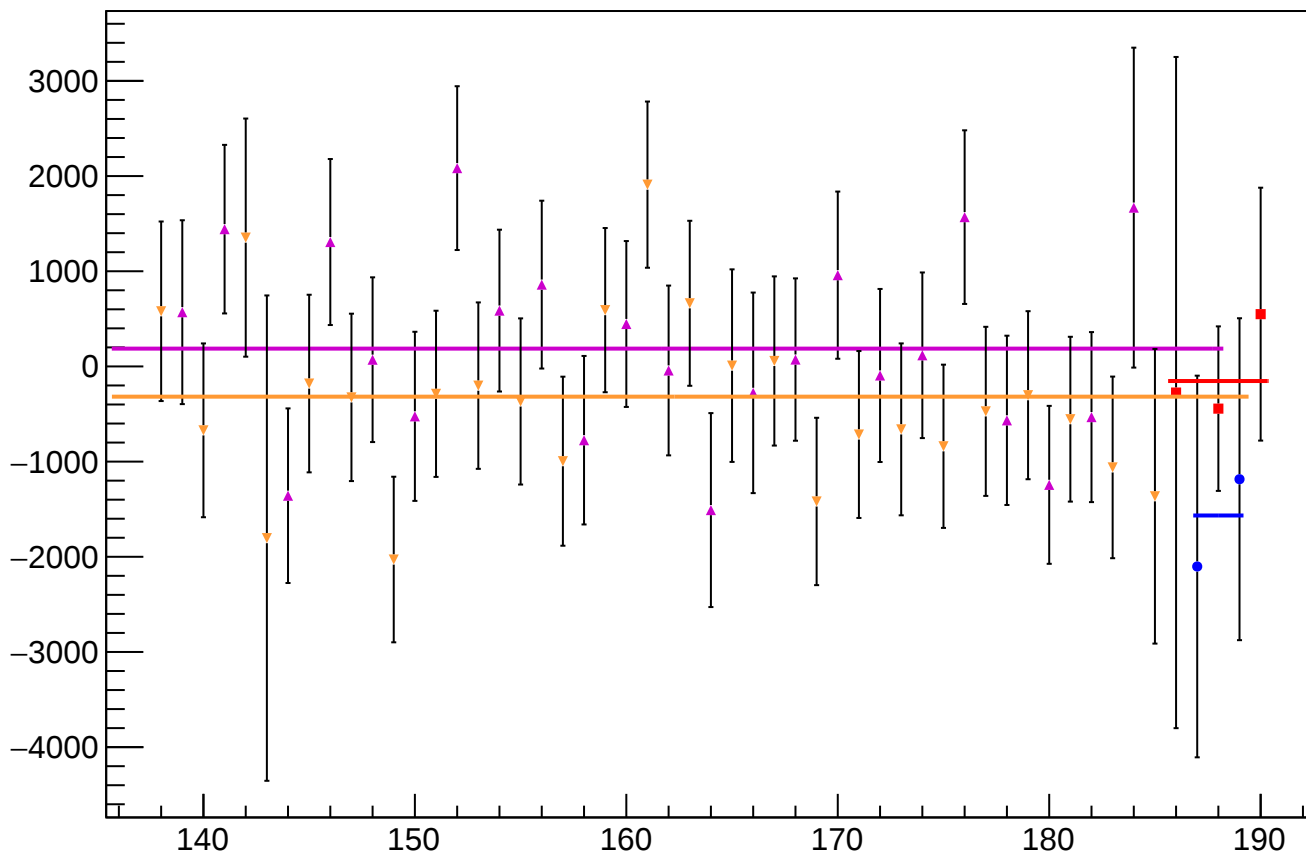
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

+ 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

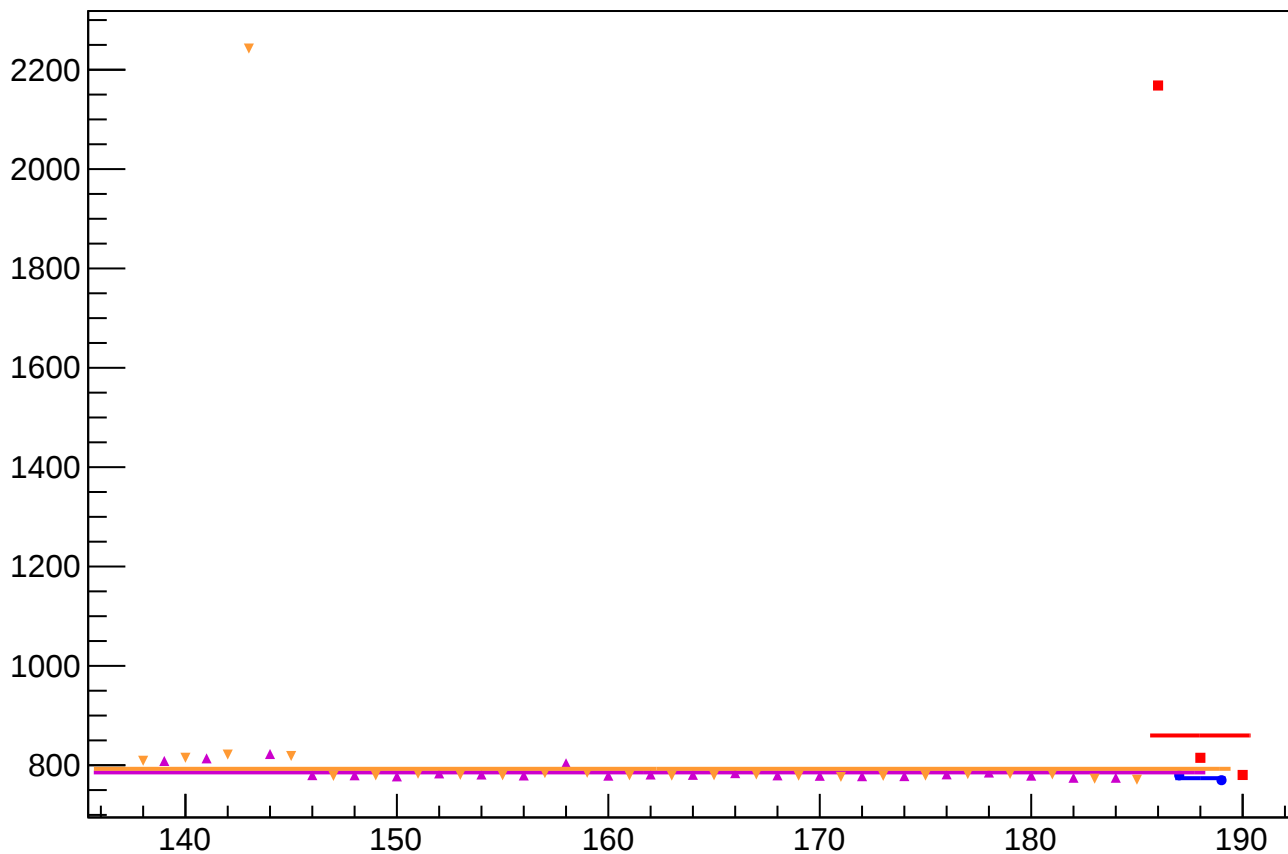
Left In: 187.105+/-189.265 χ^2/NDF : 25.6/22

+ 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

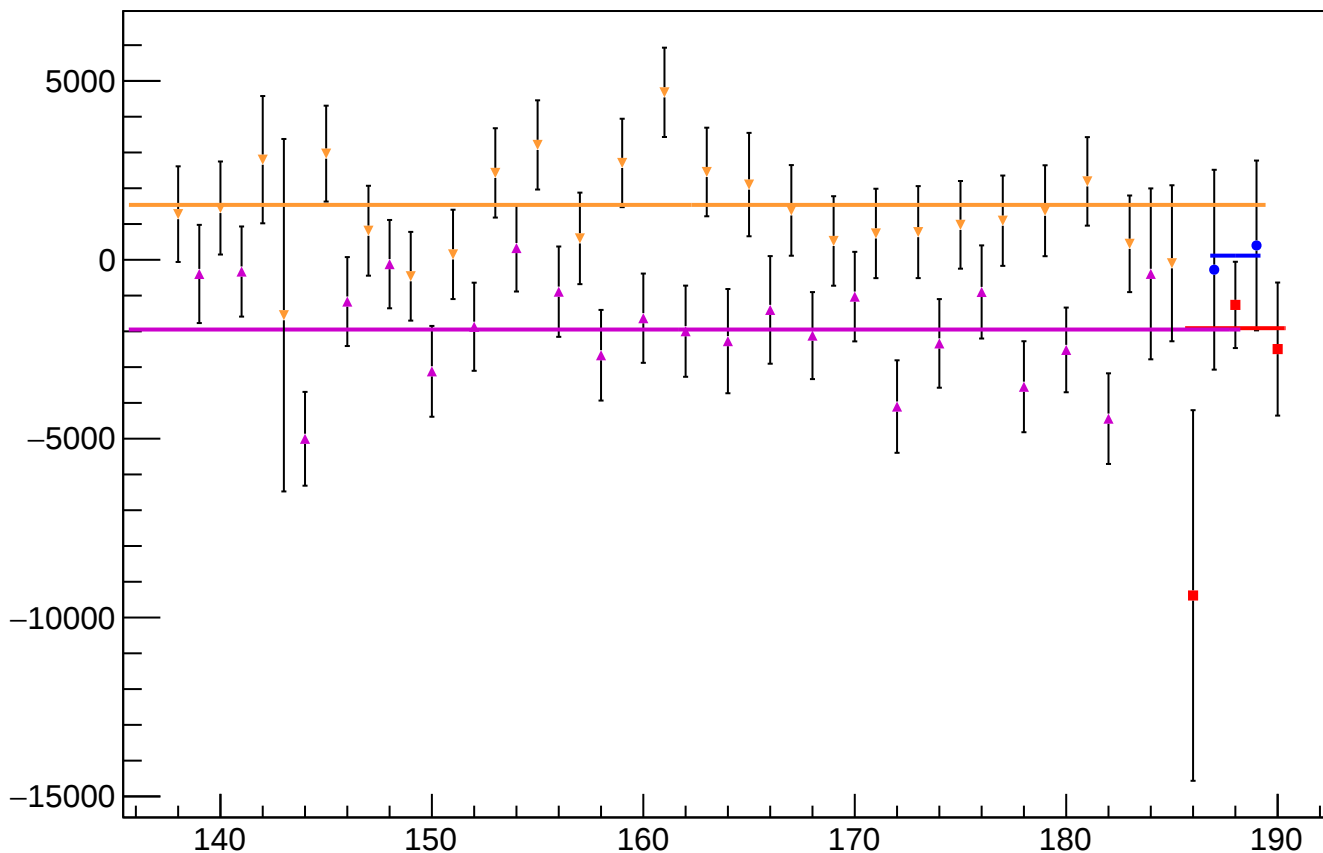
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

+ 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

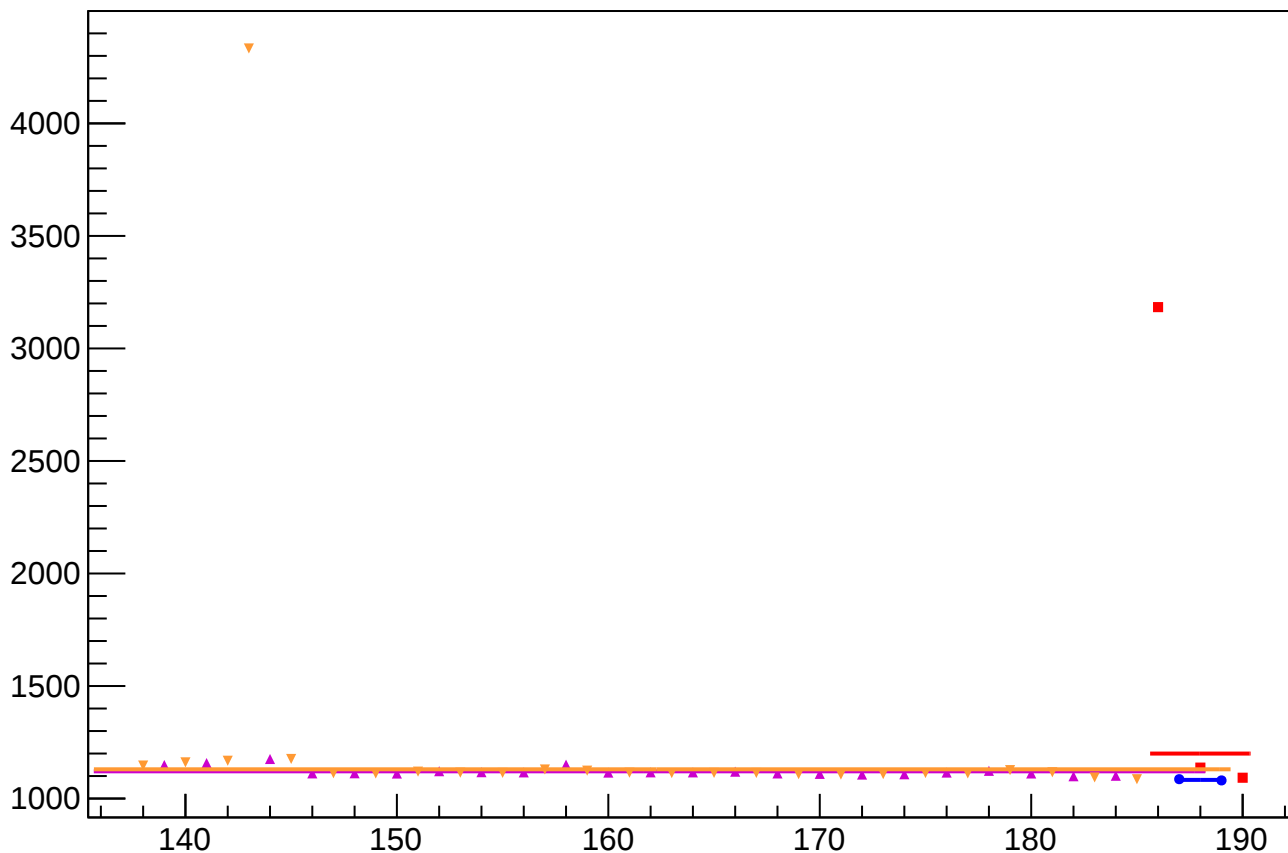
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ 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

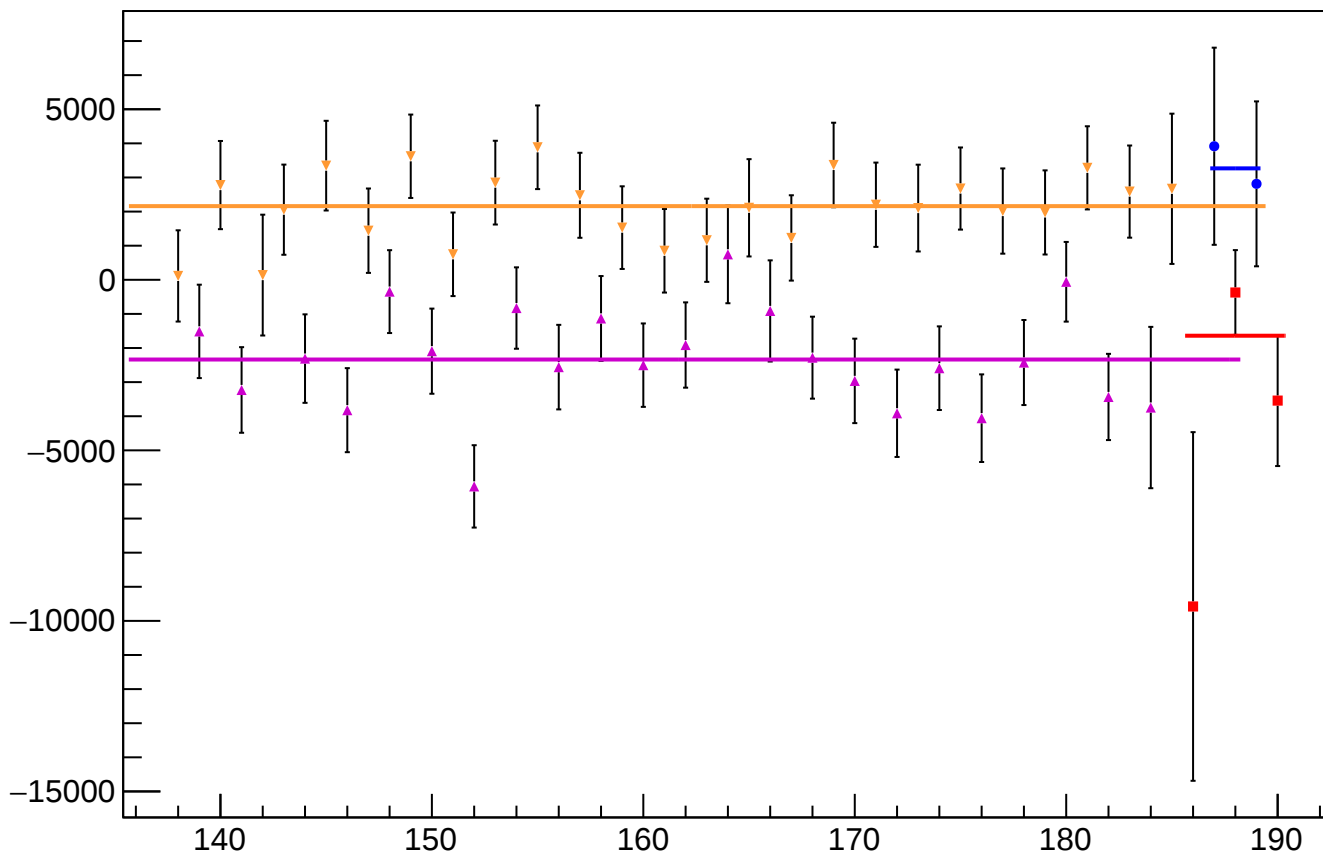
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

+ 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 $\pm$ 1854.338 χ^2 /NDF: 0.1/1

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

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

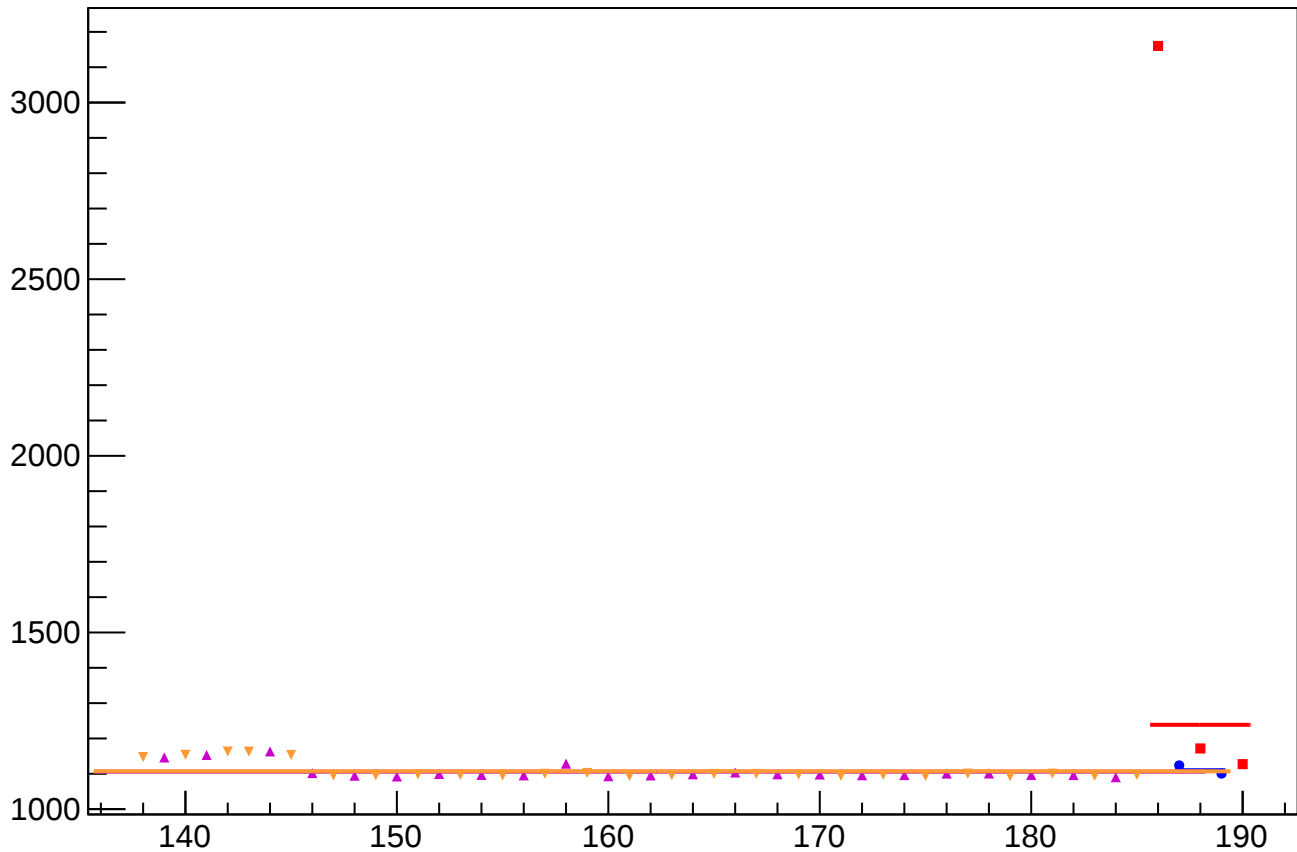
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

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

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

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

cor_asym_usr_rms vs Slug



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

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

Right Out: 1238.637 $\pm$ 0.723 χ^2 /NDF: 295245.1/2

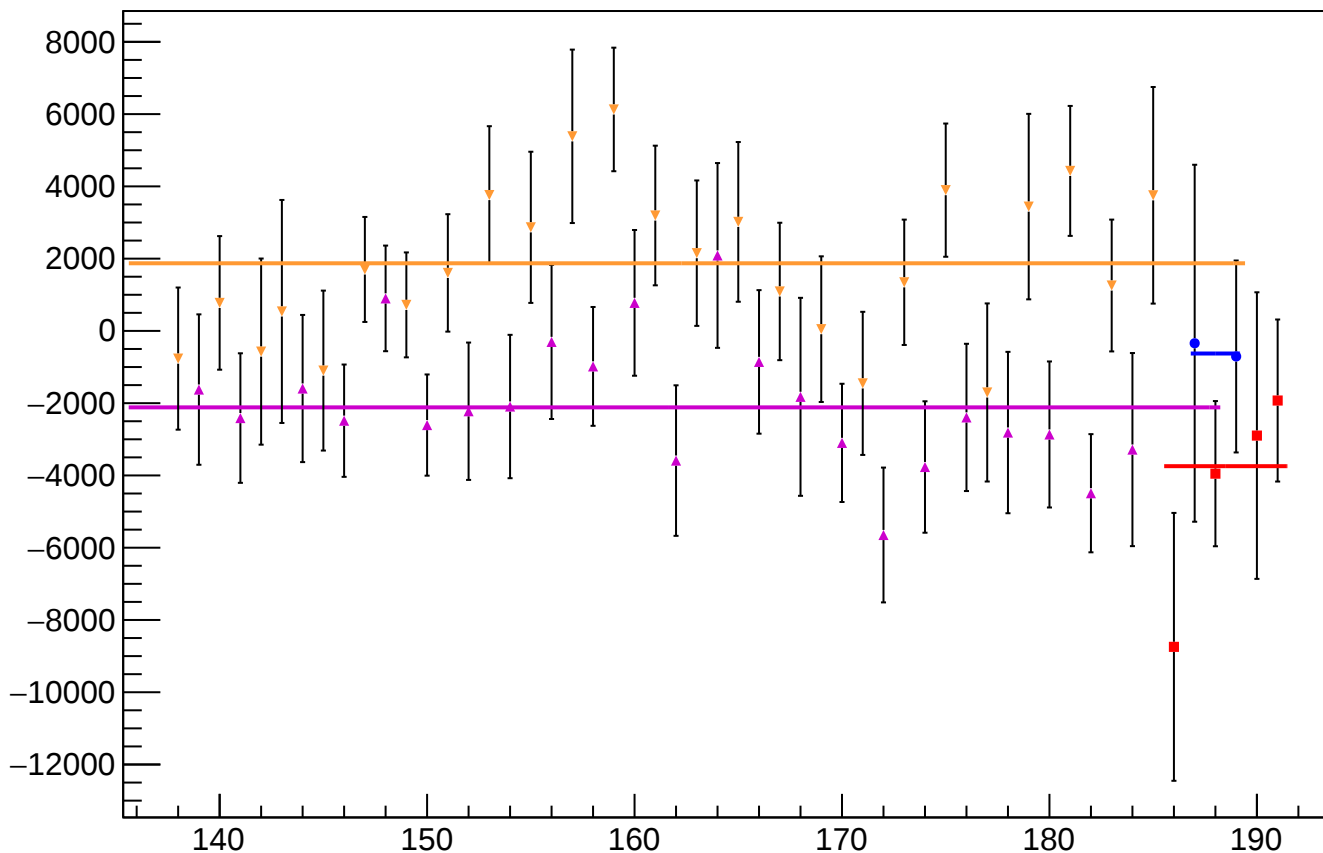
Left In: 1105.955 $\pm$ 0.188 χ^2 /NDF: 11111.3/22

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

All: 1110.735 $\pm$ 0.128 χ^2 /NDF: 353978.0/52

- sign 1114.399 $\pm$ 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: -3743.610 ± 1309.735 χ^2/NDF : 2.5/3

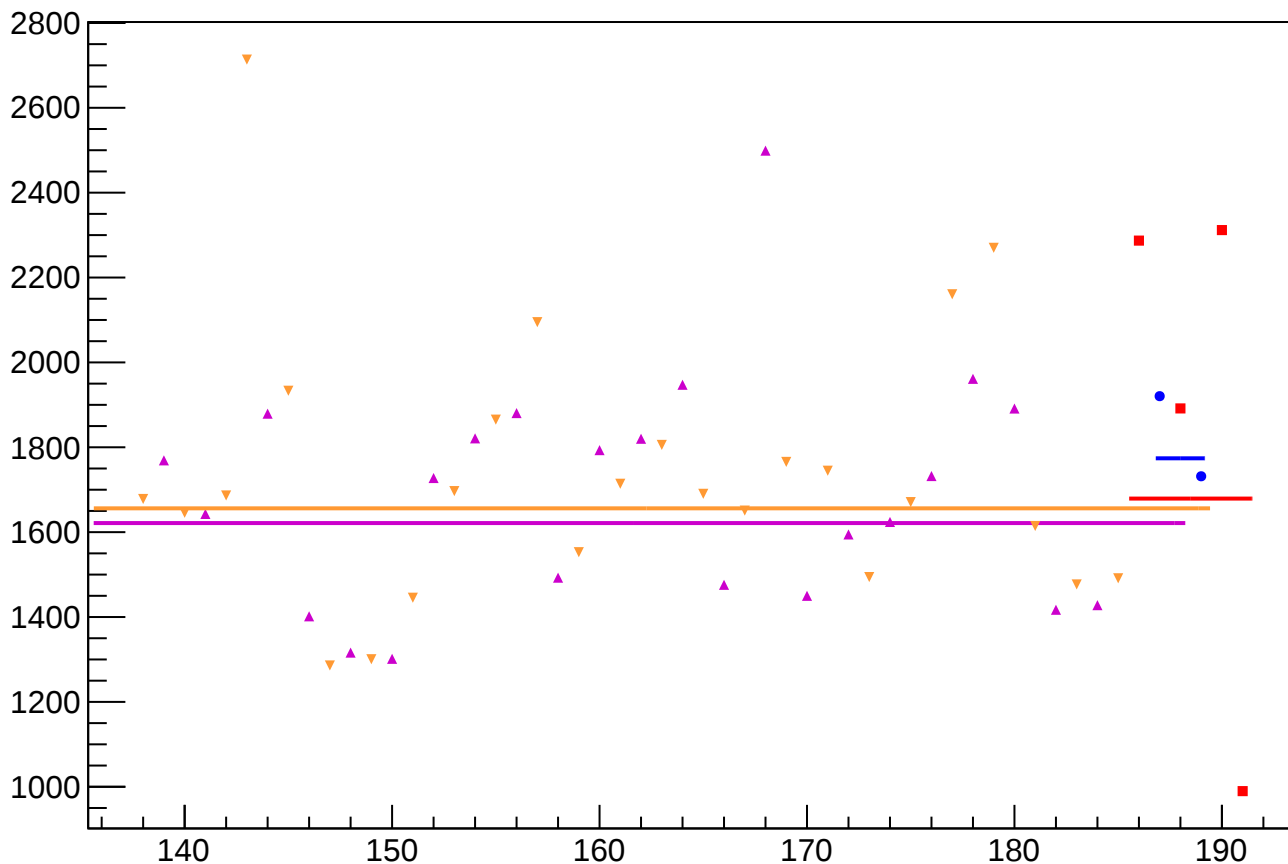
Left In: -2116.114 ± 392.997 χ^2/NDF : 18.8/22

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

All: -276.059 ± 269.595 χ^2/NDF : 106.5/53

- sign -2250.542 ± 376.416 χ^2/NDF : 22.7/26

asym_us_agg_avg_rms vs Slug



Right In: 1774.010 $\pm$ 1.654 χ^2 /NDF: 2265.9/1

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

Right Out: 1679.112 $\pm$ 0.926 χ^2 /NDF: 316083.0/3

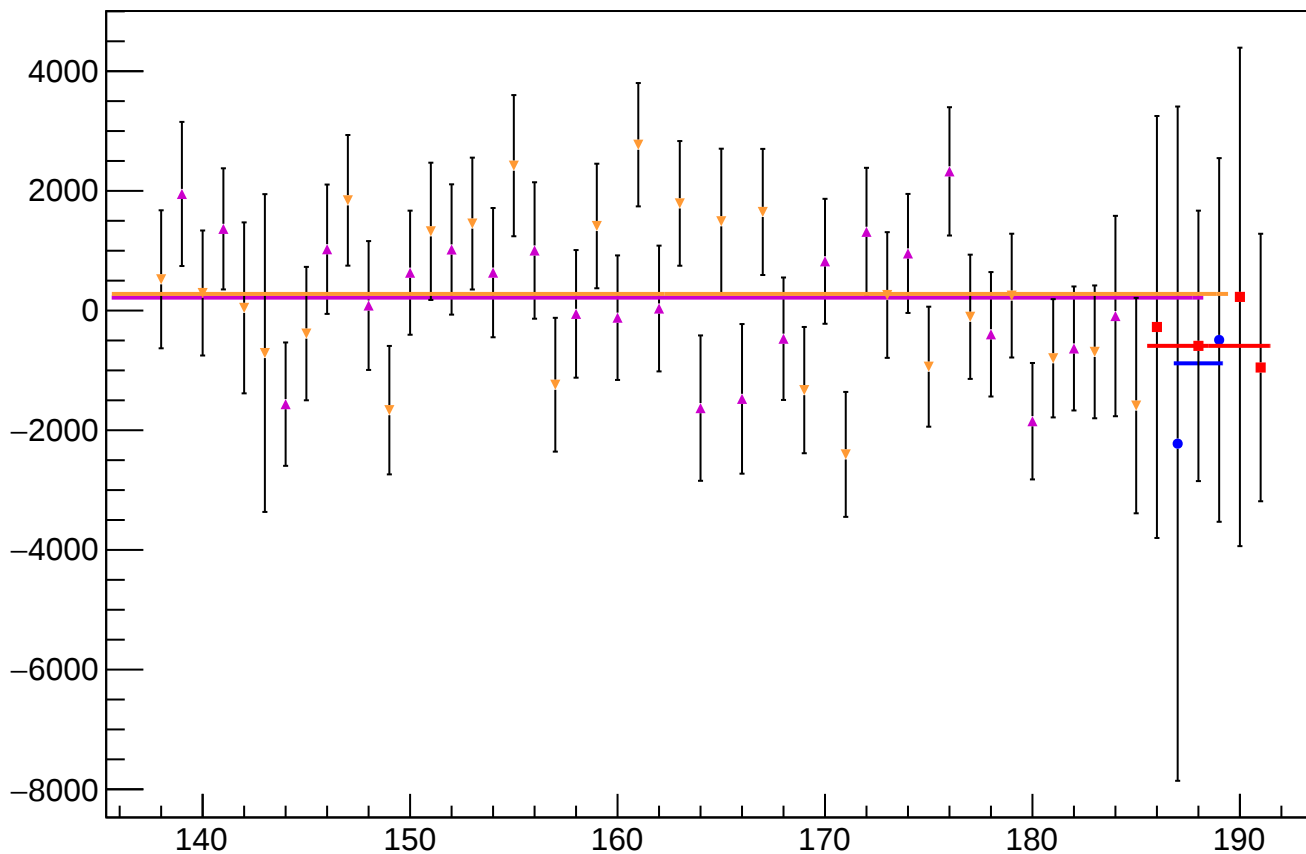
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1659.334 $\pm$ 0.273 χ^2 /NDF: 917780.6/26

All: 1642.329 $\pm$ 0.191 χ^2 /NDF: 2020289.8/53

- sign 1626.182 $\pm$ 0.266 χ^2 /NDF: 1094953.5/26

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: -589.750 ± 1368.377 χ^2/NDF : 0.1/3

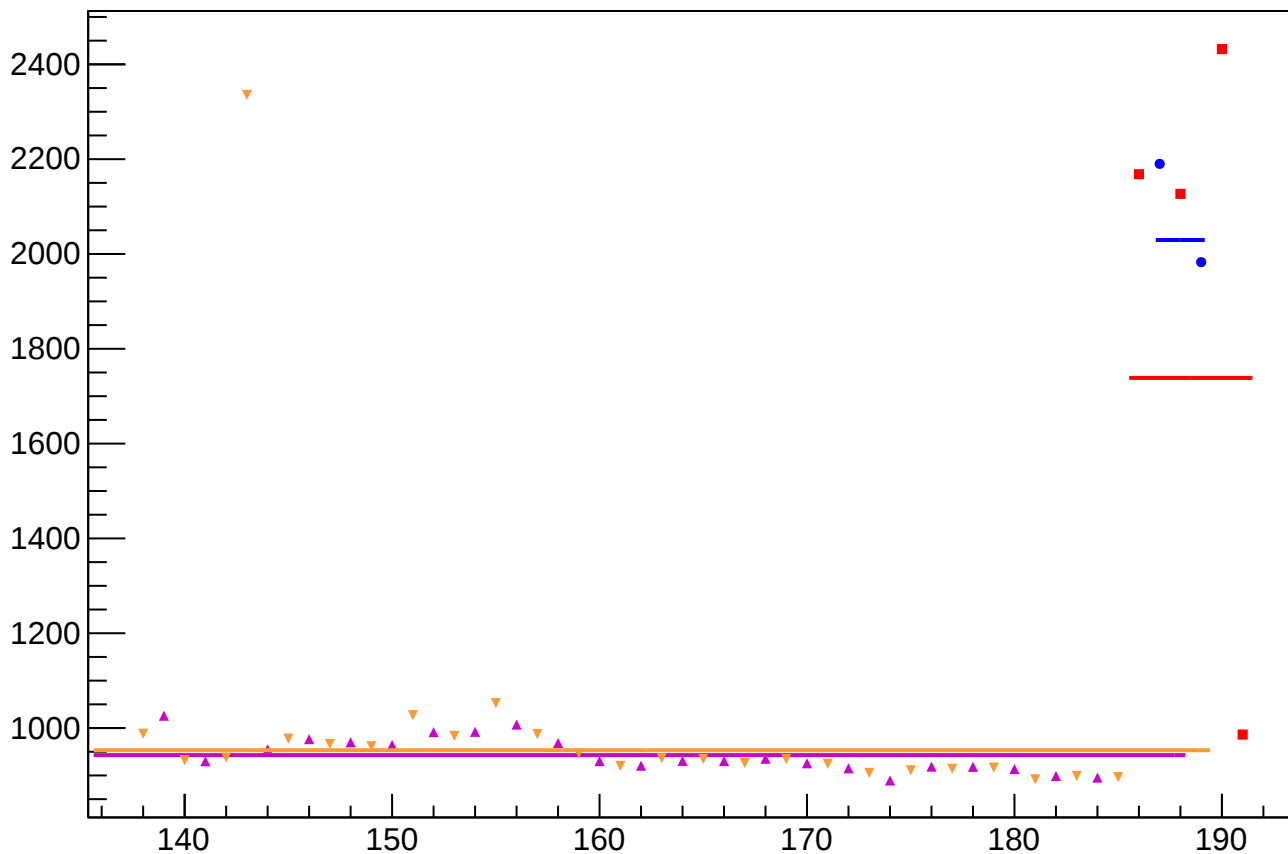
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

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

All: 232.383 ± 157.472 χ^2/NDF : 63.5/53

- sign 194.796 ± 222.595 χ^2/NDF : 24.8/26

asym_us_agg_dd_rms vs Slug



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

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

Right Out: 1738.599 $\pm$ 0.968 χ^2/NDF : 370758.1/3

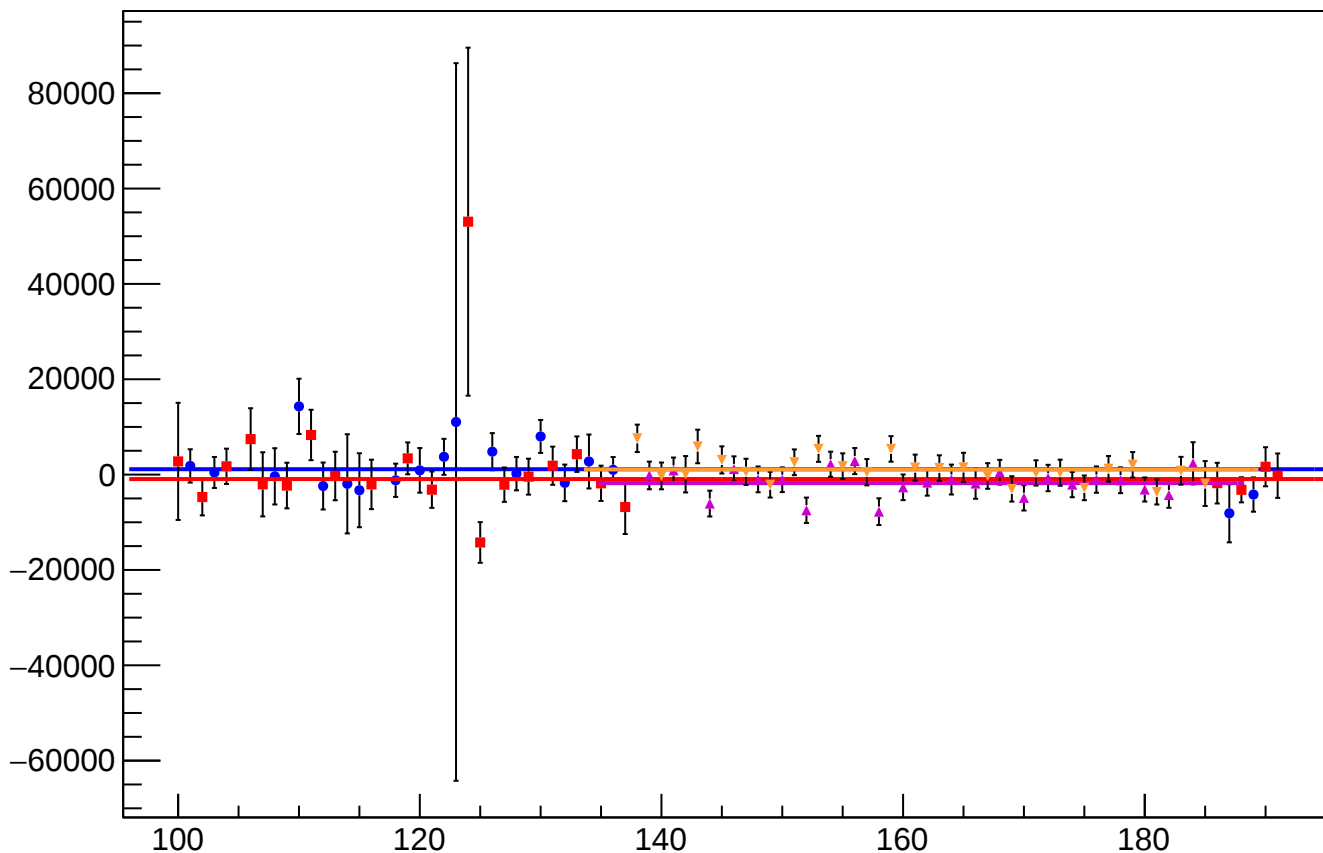
Left In: 942.927 $\pm$ 0.160 χ^2/NDF : 48402.9/22

+ sign 960.690 $\pm$ 0.158 χ^2/NDF : 930006.2/26

All: 962.337 $\pm$ 0.111 χ^2/NDF : 2007709.4/53

- sign 963.982 $\pm$ 0.157 χ^2/NDF : 1077484.7/26

reg_asym_atl1_mean vs Slug



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

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

Right Out: -934.377 ± 893.511 χ^2/NDF : 25.3/22

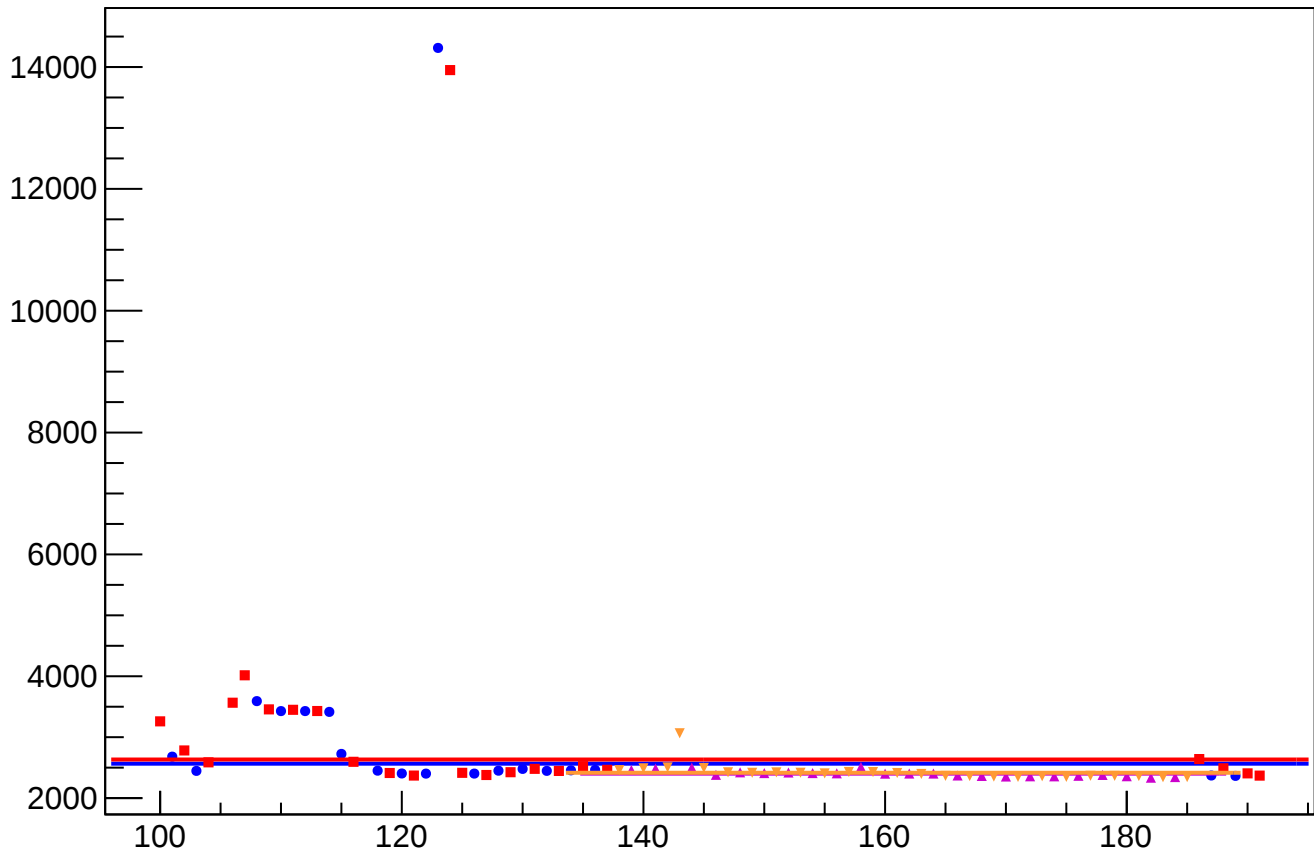
Left In: -1777.100 ± 575.895 χ^2/NDF : 24.1/22

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

All: -227.349 ± 343.309 χ^2/NDF : 105.4/89

- sign -1529.765 ± 484.062 χ^2/NDF : 50.0/45

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: 2633.470 $\pm$ 0.632 χ^2 /NDF: 552109.8/22

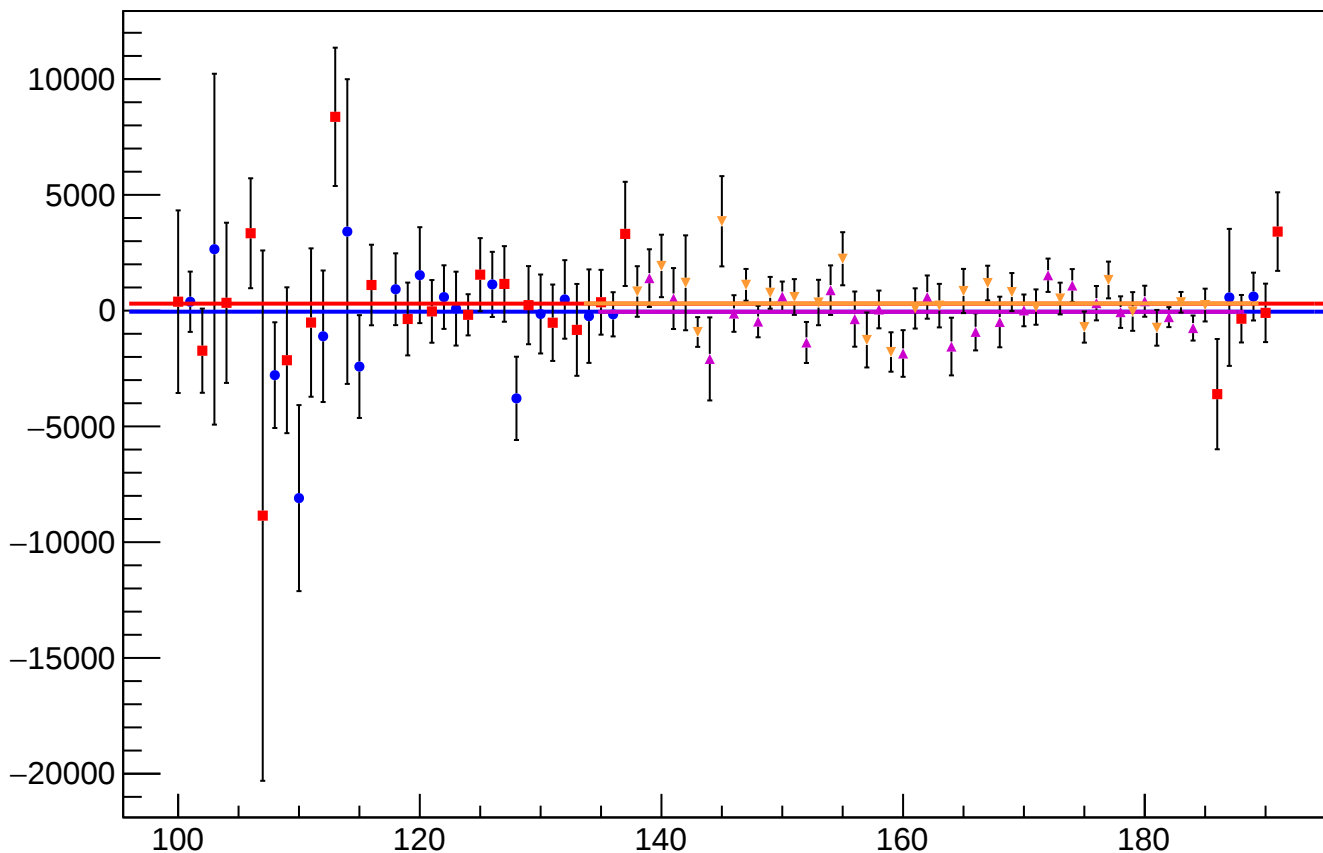
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

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

All: 2461.783 $\pm$ 0.243 χ^2 /NDF: 1043317.5/89

- sign 2469.527 $\pm$ 0.342 χ^2 /NDF: 661159.5/45

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: 302.253 ± 352.460 χ^2/NDF : 22.1/22

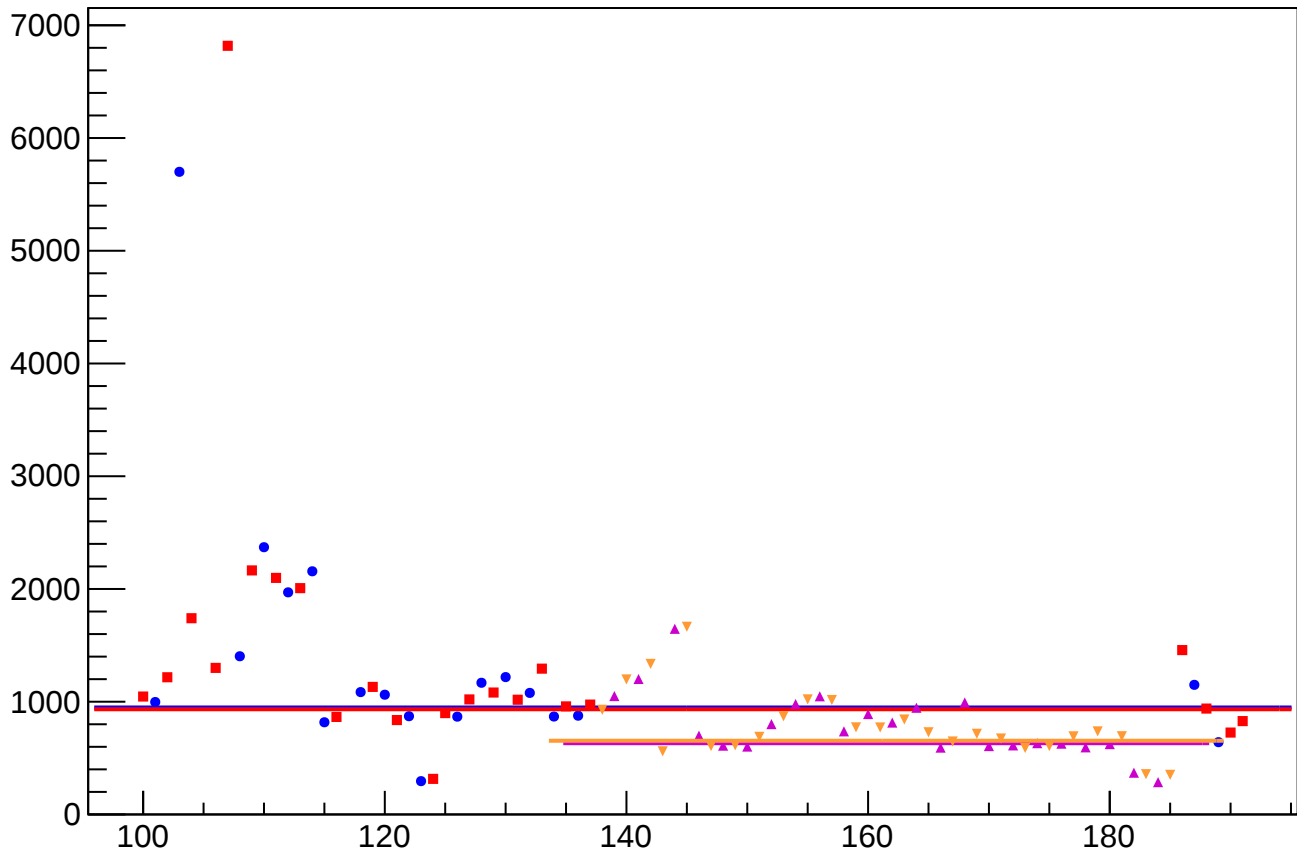
Left In: -51.454 ± 161.744 χ^2/NDF : 23.8/22

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

All: 133.114 ± 104.425 χ^2/NDF : 92.7/89

- sign 10.076 ± 147.004 χ^2/NDF : 46.7/45

asym_atl1_correction_rms vs Slug



Right In: 948.747 ± 0.274 χ^2/NDF : 2114603.2/18

Left Out: 653.803 ± 0.114 χ^2/NDF : 3254694.4/24

Right Out: 933.137 ± 0.249 χ^2/NDF : 2826494.7/22

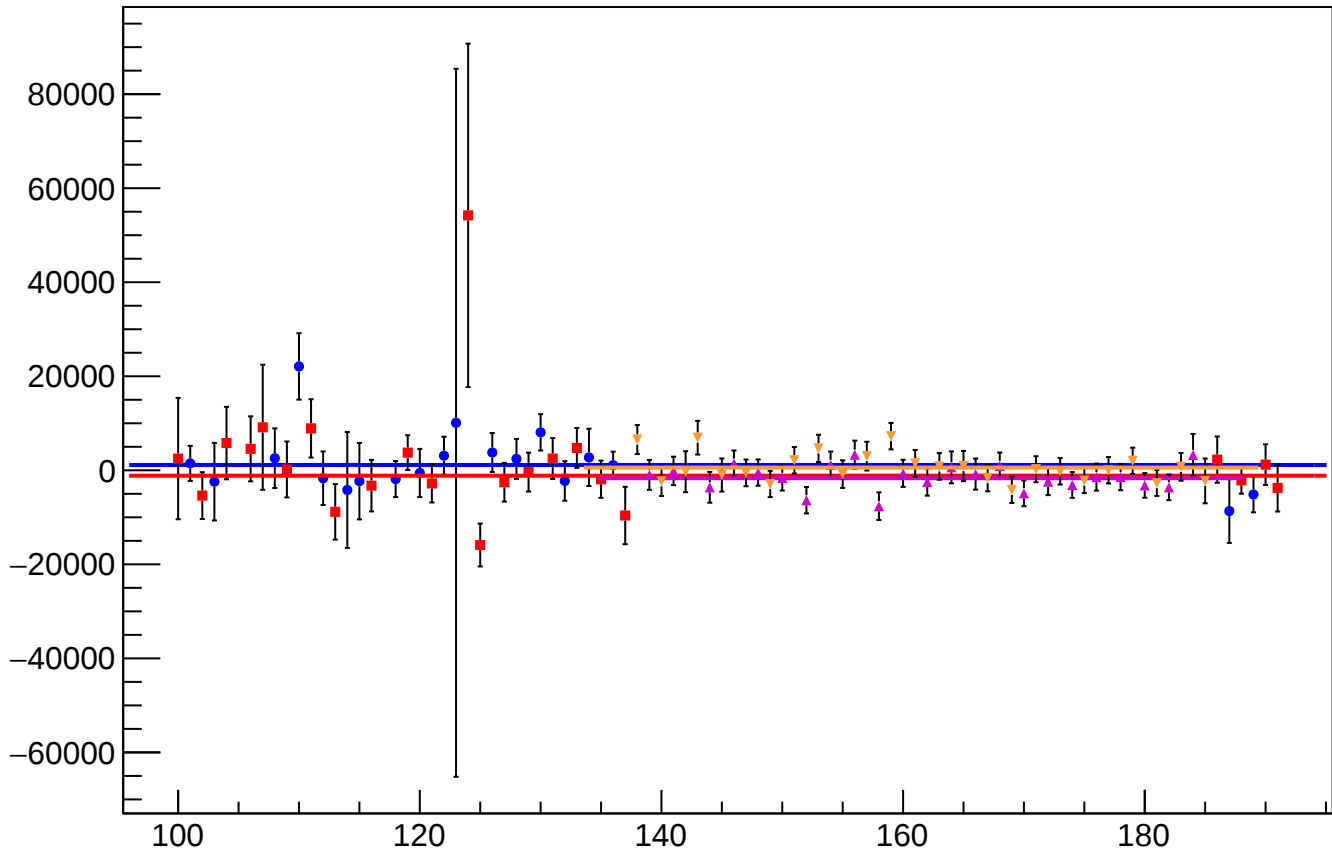
Left In: 632.053 ± 0.114 χ^2/NDF : 3942853.4/22

+ sign 697.193 ± 0.105 χ^2/NDF : 6361055.0/43

All: 690.752 ± 0.074 χ^2/NDF : 14343433.3/89

- sign 684.428 ± 0.104 χ^2/NDF : 7974907.4/45

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: -1144.668 $\pm$ 1019.831 χ^2 /NDF: 28.0/22

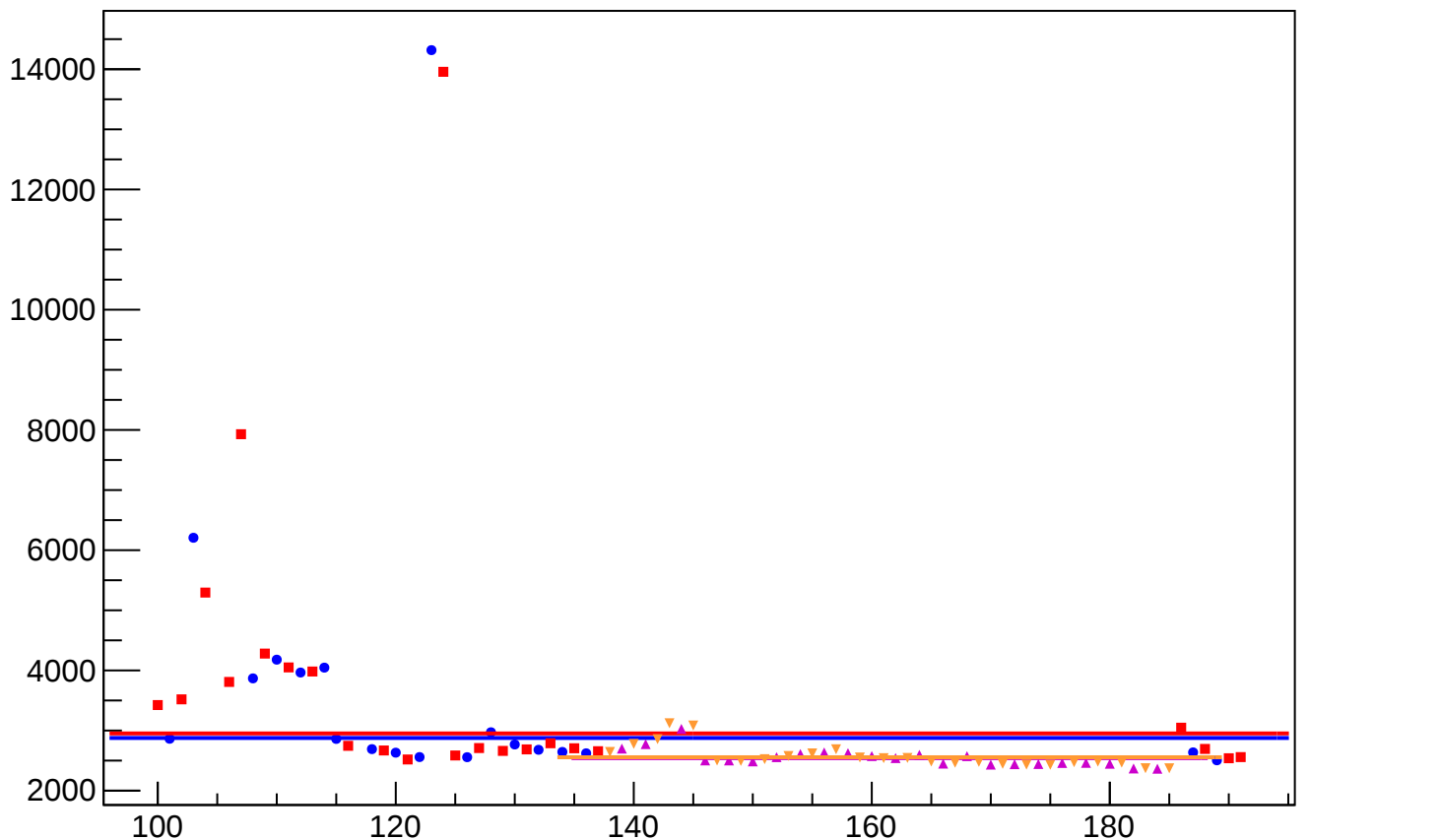
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

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

All: -417.705 $\pm$ 370.592 χ^2 /NDF: 101.0/89

- sign -1538.589 $\pm$ 523.570 χ^2 /NDF: 46.4/45

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: 2951.908 ± 0.721 χ^2/NDF : 1066310.6/22

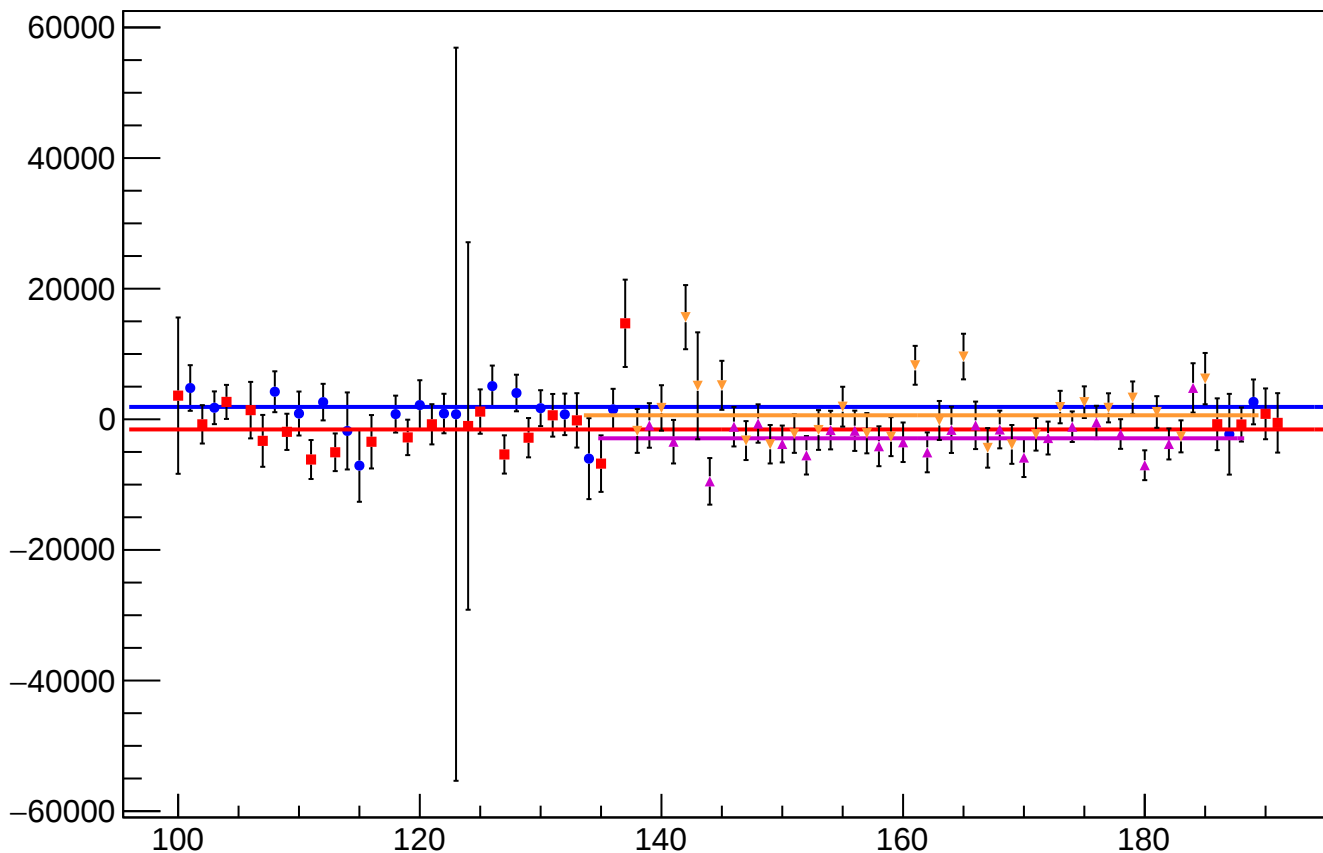
Left In: 2540.988 ± 0.431 χ^2/NDF : 94756.7/22

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

All: 2638.940 ± 0.262 χ^2/NDF : 2349204.9/89

- sign 2649.293 ± 0.370 χ^2/NDF : 1400190.6/45

reg_asym_atl2_mean vs Slug



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

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

Right Out: -1552.167 $\pm$ 722.236 χ^2 /NDF: 18.9/22

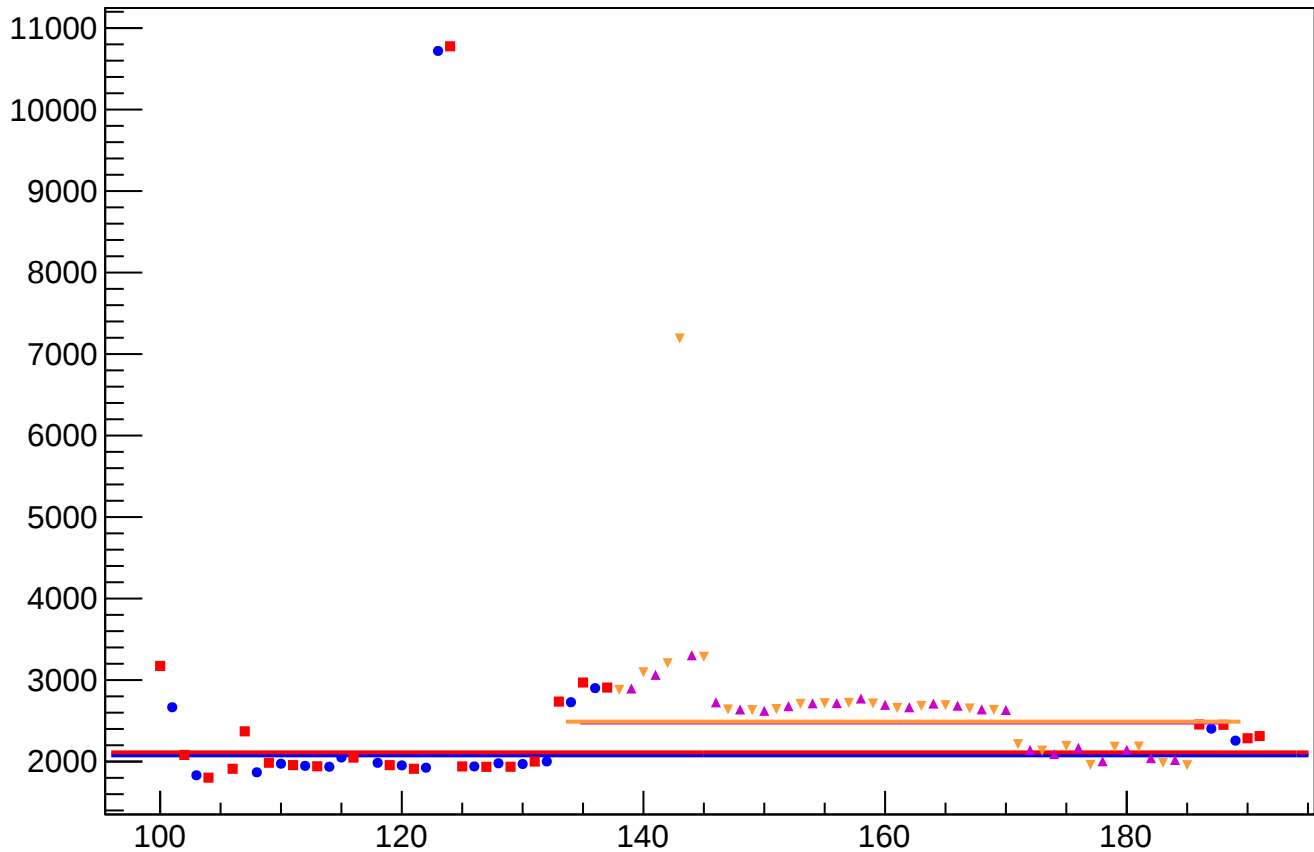
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF: 17.4/22

+ sign 1077.810 $\pm$ 472.288 χ^2 /NDF: 55.5/43

All: -678.926 $\pm$ 330.030 χ^2 /NDF: 120.9/89

- sign -2355.376 $\pm$ 461.369 χ^2 /NDF: 38.3/45

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: 2112.709+/-0.511 χ^2/NDF : 508627.9/22

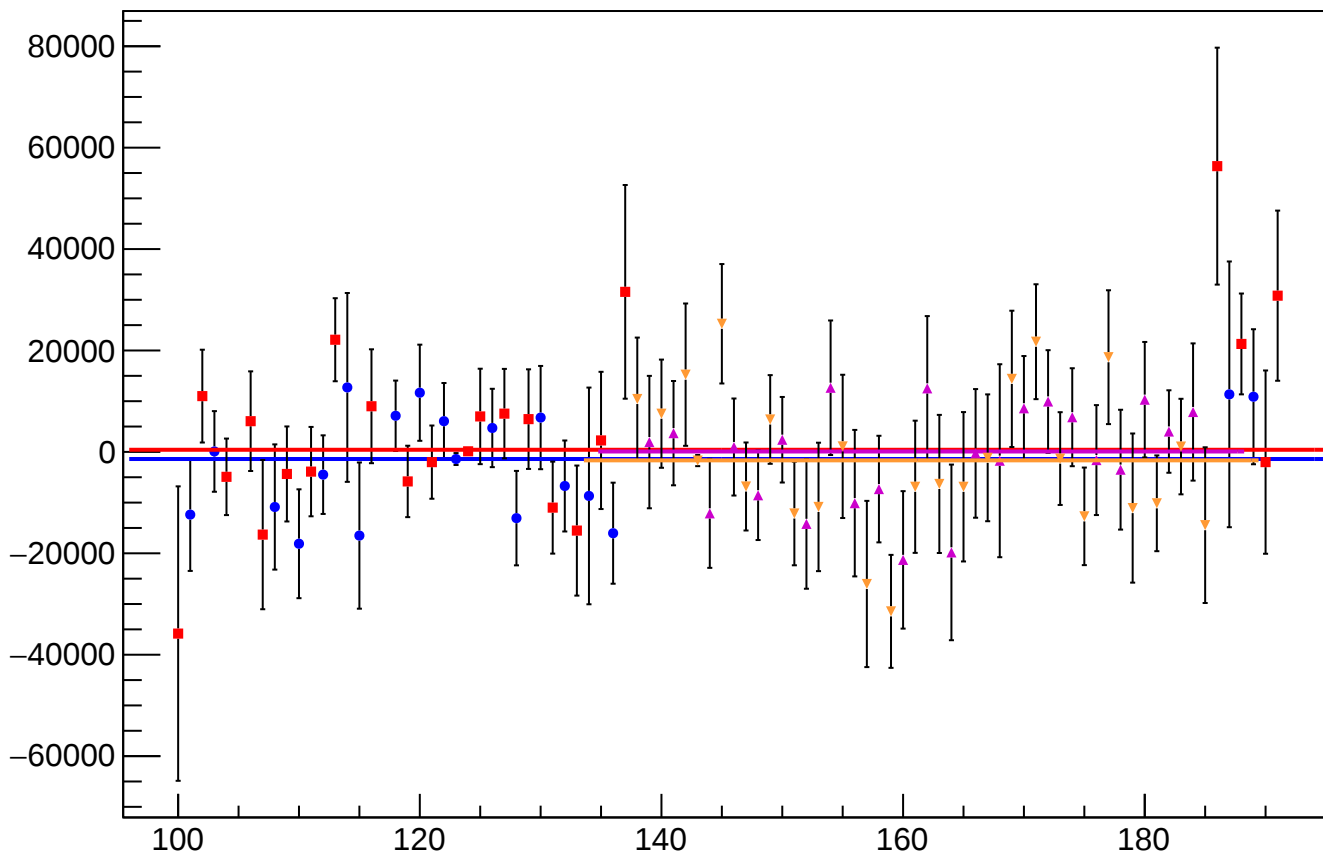
Left In: 2479.348+/-0.424 χ^2/NDF : 668398.2/22

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

All: 2334.827+/-0.233 χ^2/NDF : 3529504.6/89

- sign 2329.732+/-0.326 χ^2/NDF : 1482110.8/45

asym_atl2_correction_mean vs Slug



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

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

Right Out: 420.160 ± 692.239 χ^2/NDF : 34.5/22

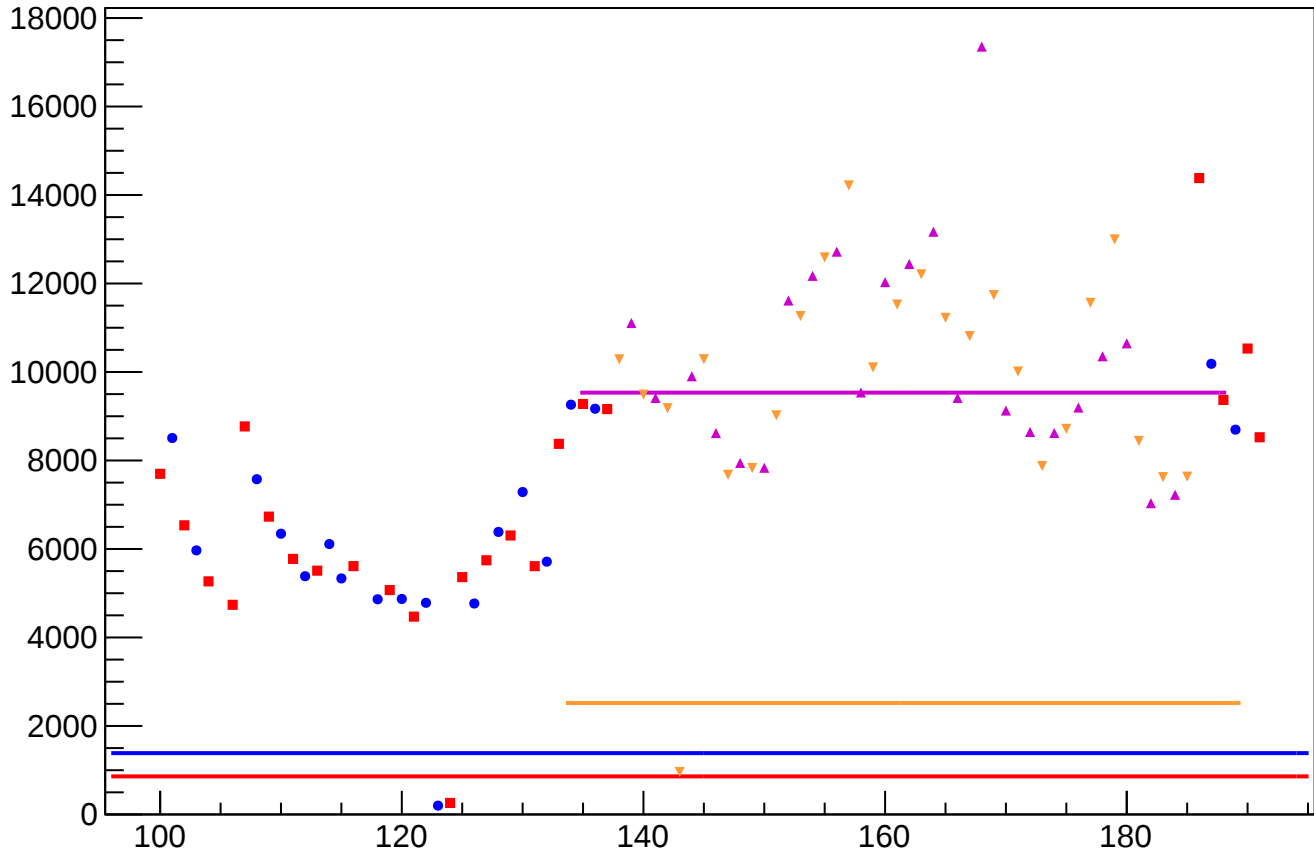
Left In: 80.274 ± 2331.531 χ^2/NDF : 13.8/22

+ sign -1541.313 ± 721.659 χ^2/NDF : 49.2/43

All: -493.441 ± 488.477 χ^2/NDF : 101.4/89

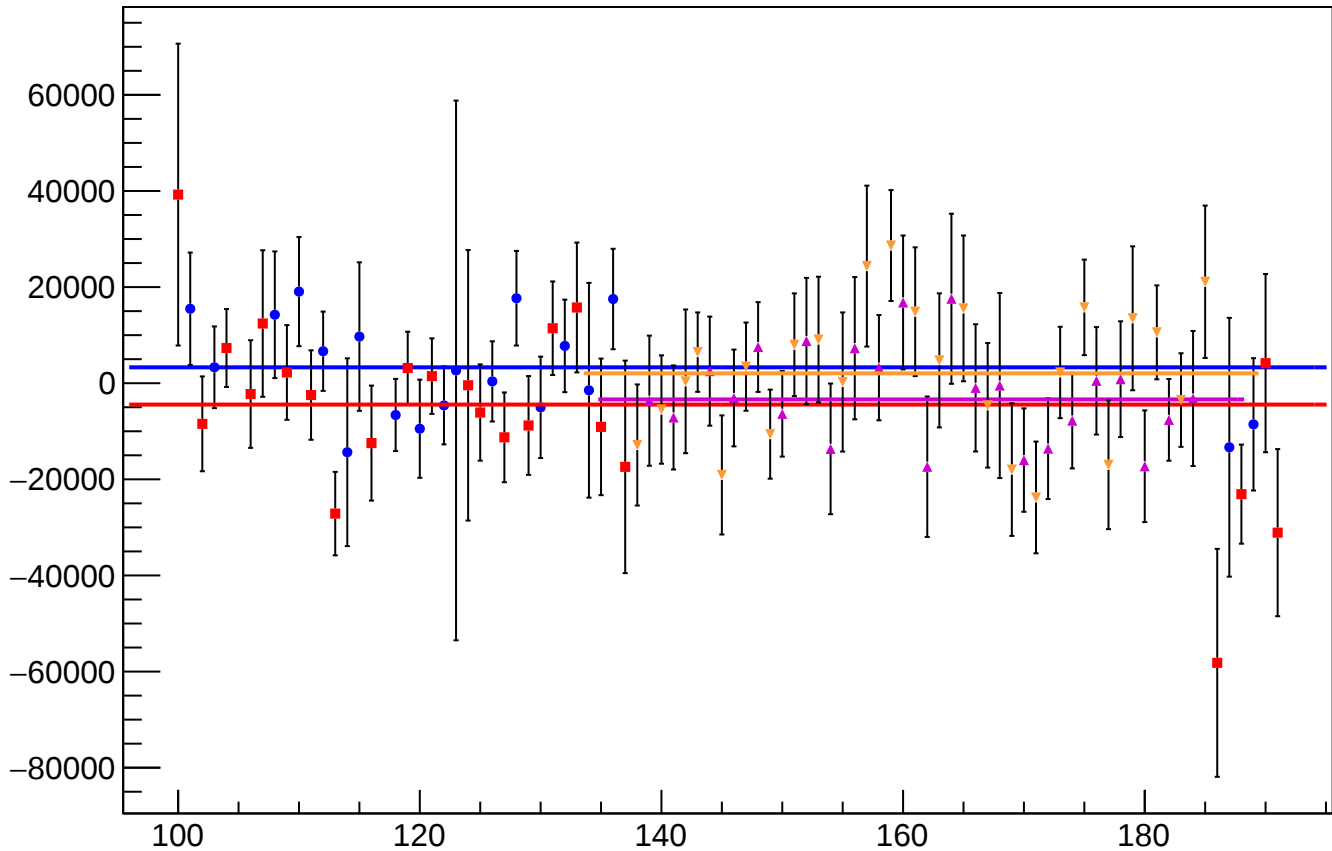
- sign 392.626 ± 663.607 χ^2/NDF : 48.3/45

asym_atl2_correction_rms vs Slug



Right In: 1386.179+/-0.743	χ^2/NDF : 10862472.5/18	+ sign 1984.608+/-0.510	χ^2/NDF : 35733527.2/43
Left Out: 2519.359+/-0.702	χ^2/NDF : 23642118.3/24	All: 1756.405+/-0.345	χ^2/NDF : 77407806.0/8
Right Out: 860.862+/-0.489	χ^2/NDF : 14557330.1/22	- sign 1563.440+/-0.469	χ^2/NDF : 41305180.2/45
Left In: 9533.563+/-1.649	χ^2/NDF : 1316640.0/22		

asym_atl2_mean vs Slug



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

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

Right Out: -4442.489+/-2311.357 χ^2/NDF : 31.9/22

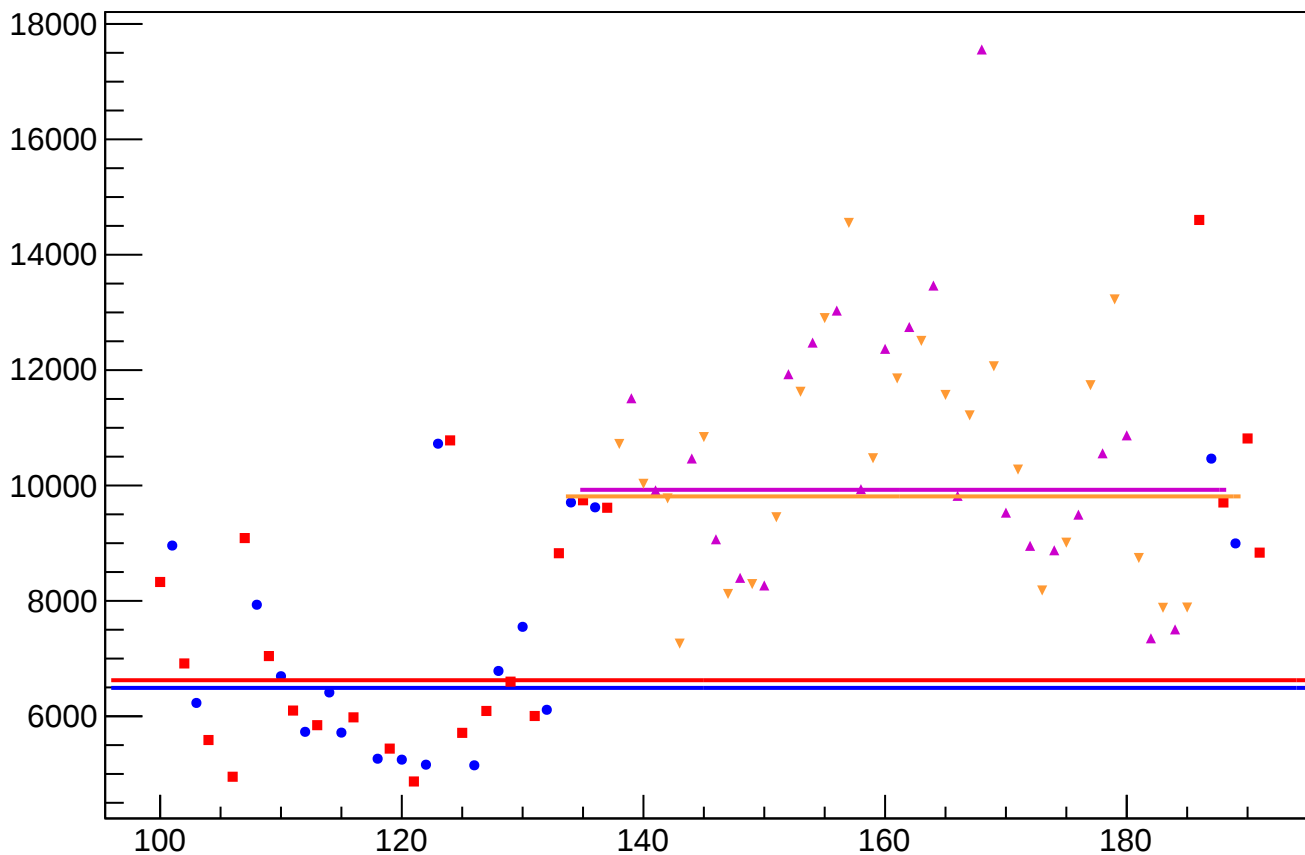
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

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

All: -704.968+/-1193.179 χ^2/NDF : 98.8/89

- sign -3932.495+/-1672.532 χ^2/NDF : 45.1/45

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: 6624.797+/-1.634 χ^2/NDF : 1118619.4/22

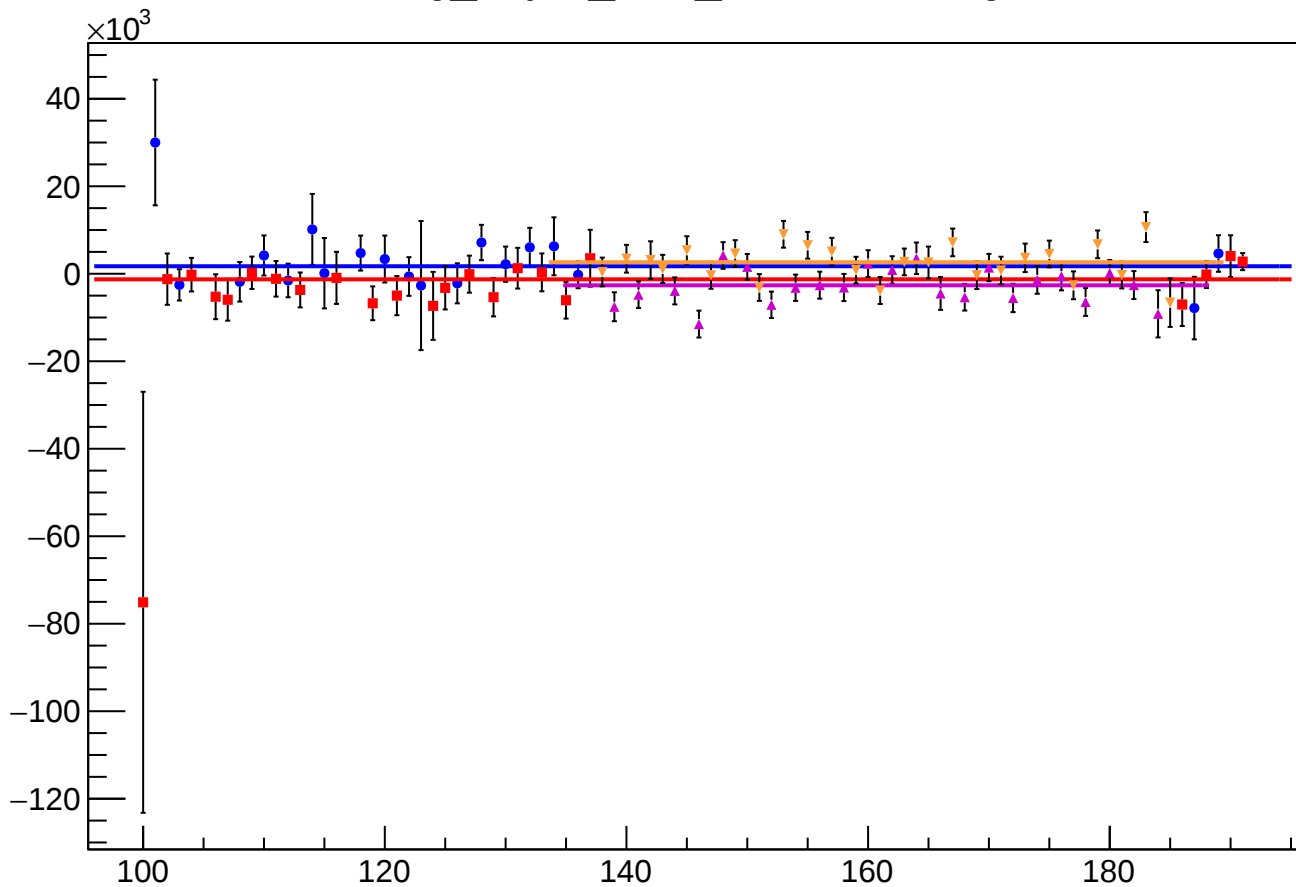
Left In: 9925.337+/-1.713 χ^2/NDF : 1211554.7/22

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

All: 8227.505+/-0.844 χ^2/NDF : 8073265.8/89

- sign 8197.045+/-1.183 χ^2/NDF : 4273021.2/45

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: -1269.091 $\pm$ 870.225 χ^2 /NDF: 18.3/22

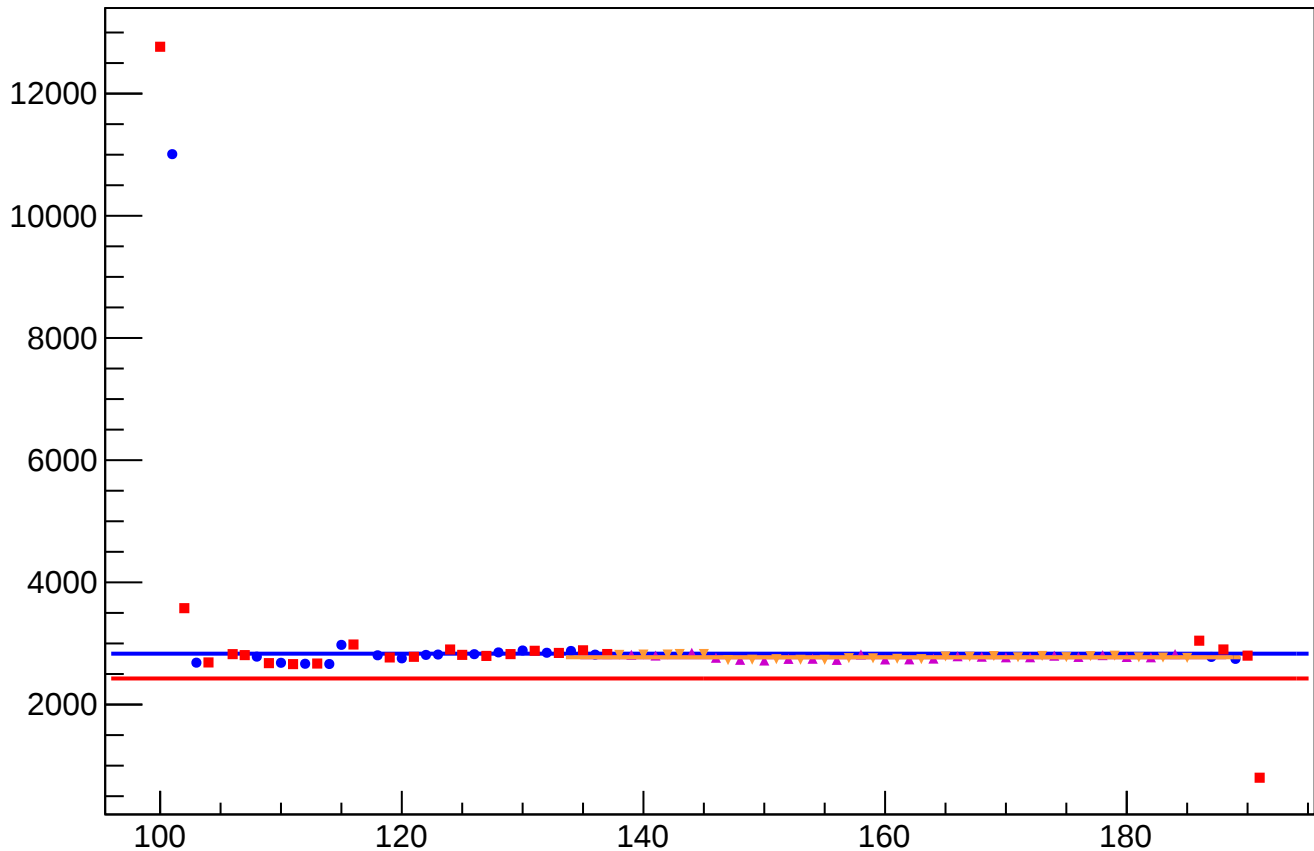
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF: 35.2/22

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

All: 20.353 $\pm$ 382.408 χ^2 /NDF: 141.3/89

- sign -2134.122 $\pm$ 528.168 χ^2 /NDF: 55.1/45

reg_asym_atr1_rms vs Slug



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

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

Right Out: 2426.761+/-0.615 χ^2/NDF : 1875670.5/22

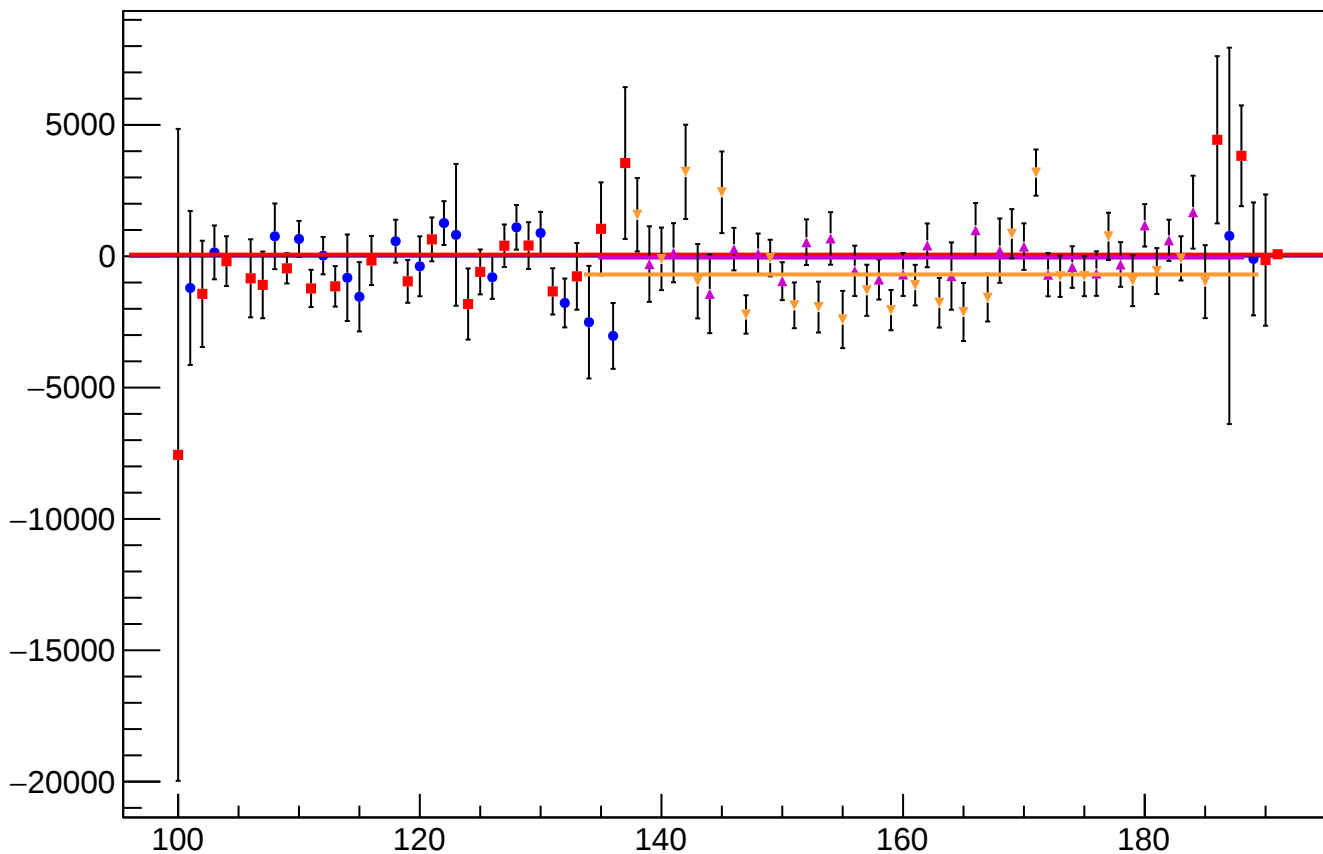
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

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

All: 2714.230+/-0.270 χ^2/NDF : 2821939.2/89

- sign 2646.111+/-0.373 χ^2/NDF : 2081833.1/45

asym_atr1_correction_mean vs Slug



Right In: 25.000+/-240.790 χ^2 /NDF: 20.8/18

Left Out: -692.808+/-187.297 χ^2 /NDF:56.0/24

Right Out: 61.851+/-37.925 χ^2 /NDF: 24.3/22

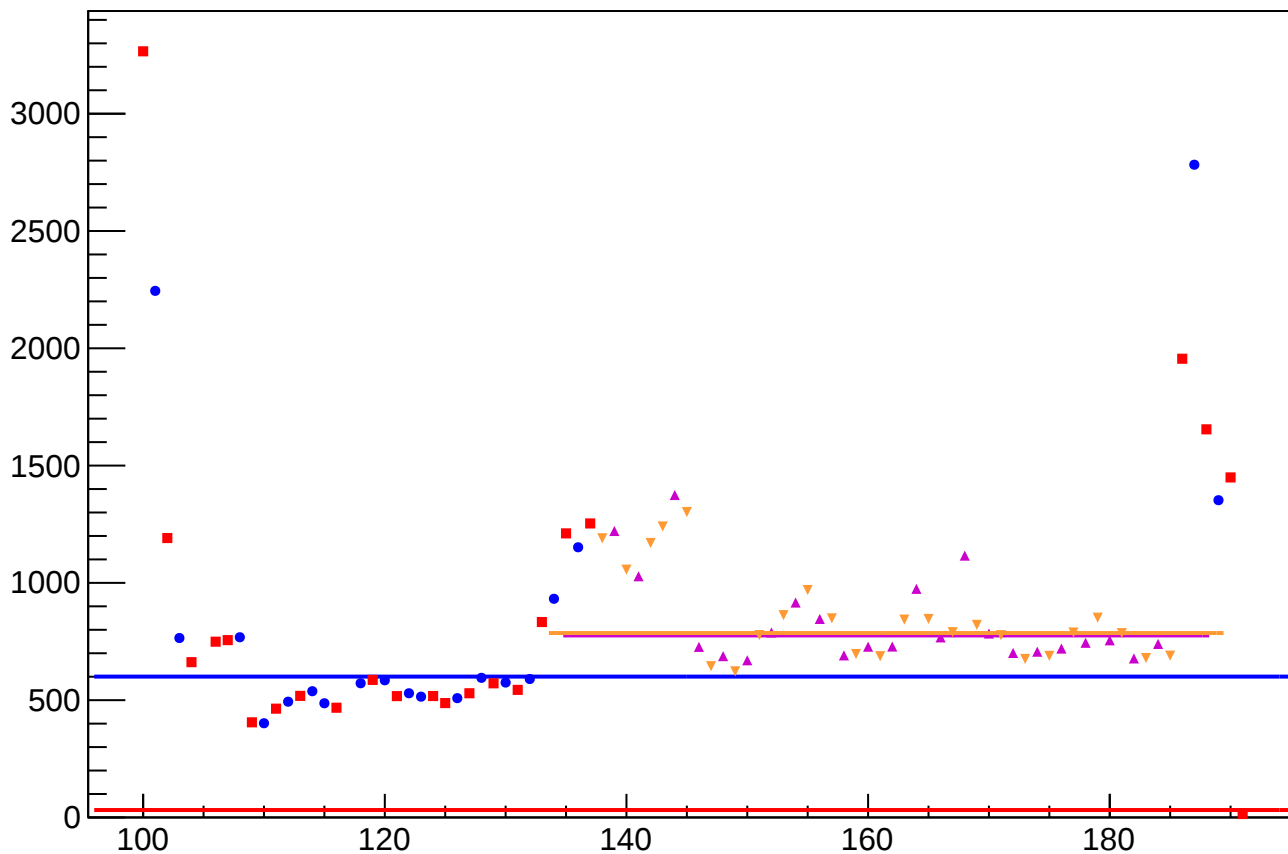
Left In: -49.244+/-189.190 χ^2 /NDF:13.6/22

+ sign -422.220+/-147.839 χ^2 /NDF: 82.3/43

All: 29.011+/-36.062 χ^2 /NDF: 130.5/89

- sign 57.559+/-37.186 χ^2 /NDF: 38.3/45

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: 31.694+/-0.027 χ^2/NDF : 15452532.7/22

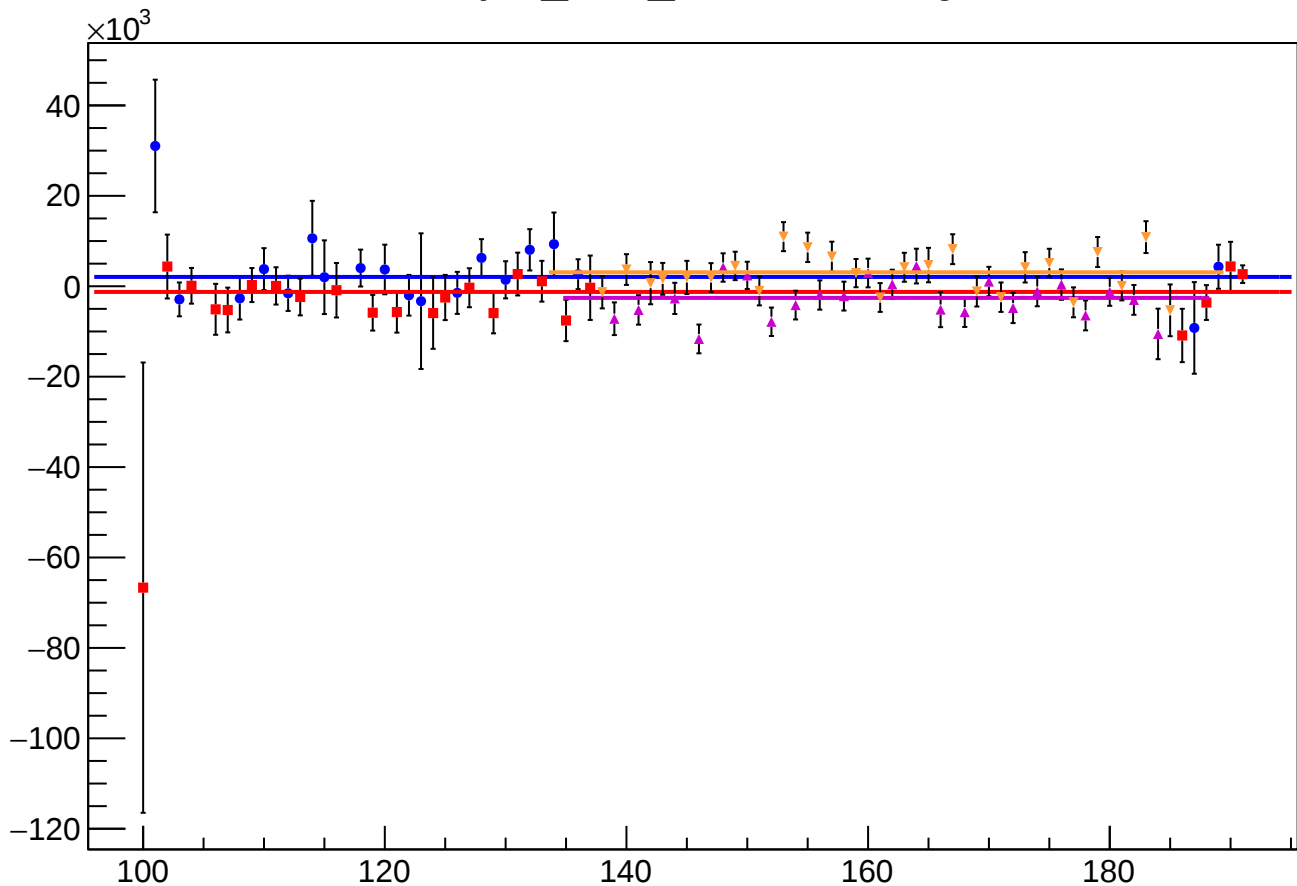
Left In: 775.930+/-0.134 χ^2/NDF : 1056766.5/22

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

All: 99.462+/-0.025 χ^2/NDF : 87117635.5/89

- sign 60.445+/-0.026 χ^2/NDF : 46263338.7/45

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: -1254.538 $\pm$ 912.722 χ^2 /NDF: 18.9/22

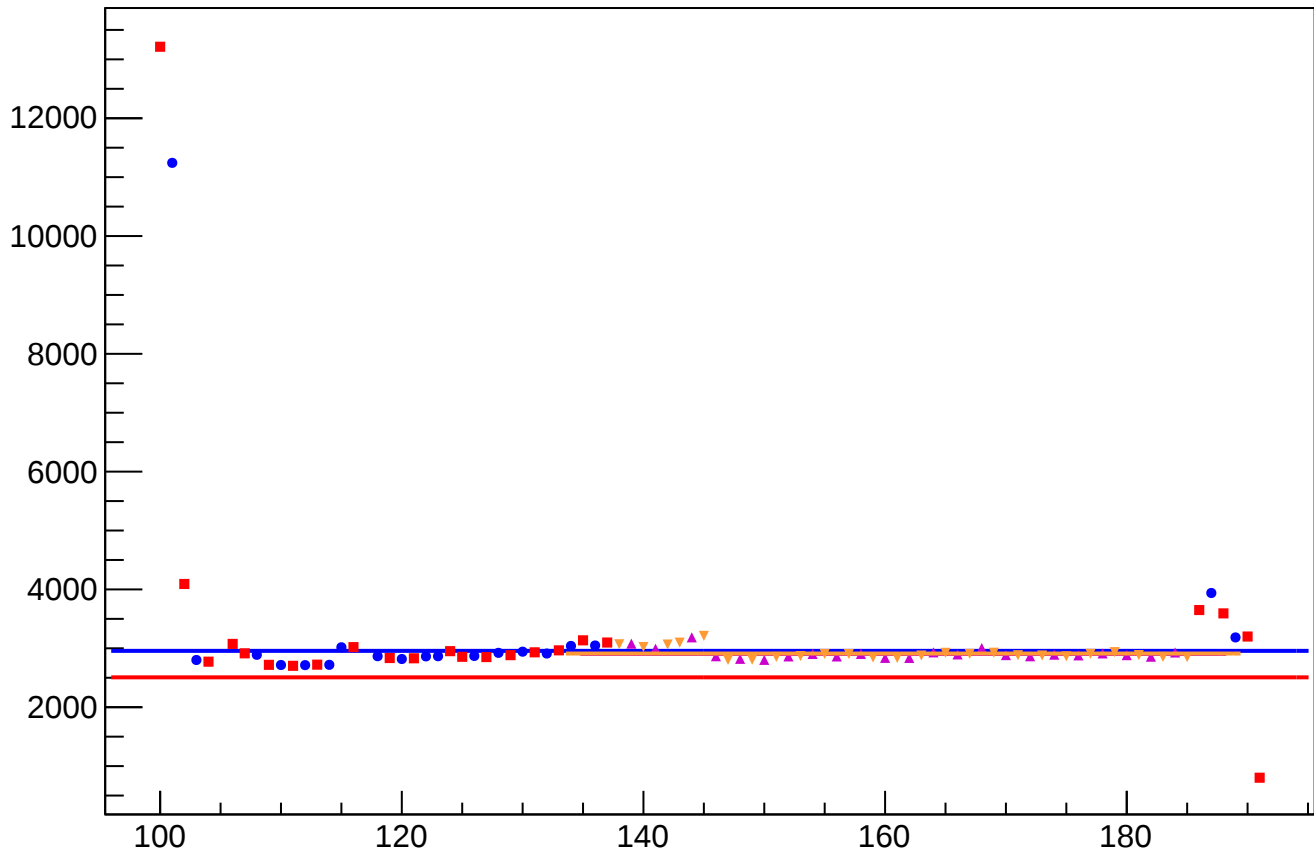
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

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

All: 244.636 $\pm$ 400.837 χ^2 /NDF: 148.5/89

- sign -2088.519 $\pm$ 553.344 χ^2 /NDF: 55.9/45

asym_atr1_rms vs Slug



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

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

Right Out: 2507.078+/-0.645 χ^2/NDF : 2218478.2/22

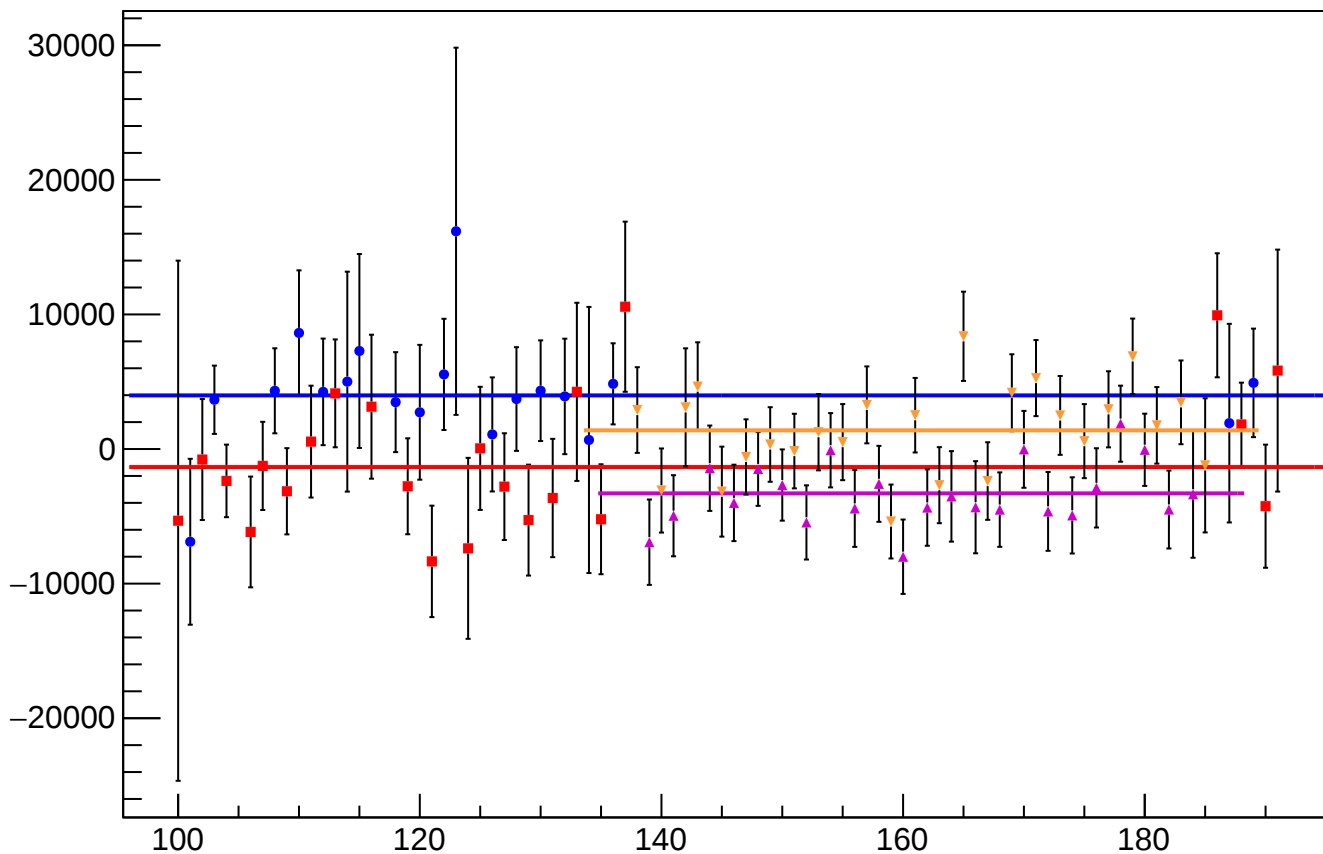
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

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

All: 2836.429+/-0.283 χ^2/NDF : 3296269.9/89

- sign 2757.739+/-0.391 χ^2/NDF : 2485823.6/45

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: -1339.793+/-878.895 χ^2/NDF : 23.1/22

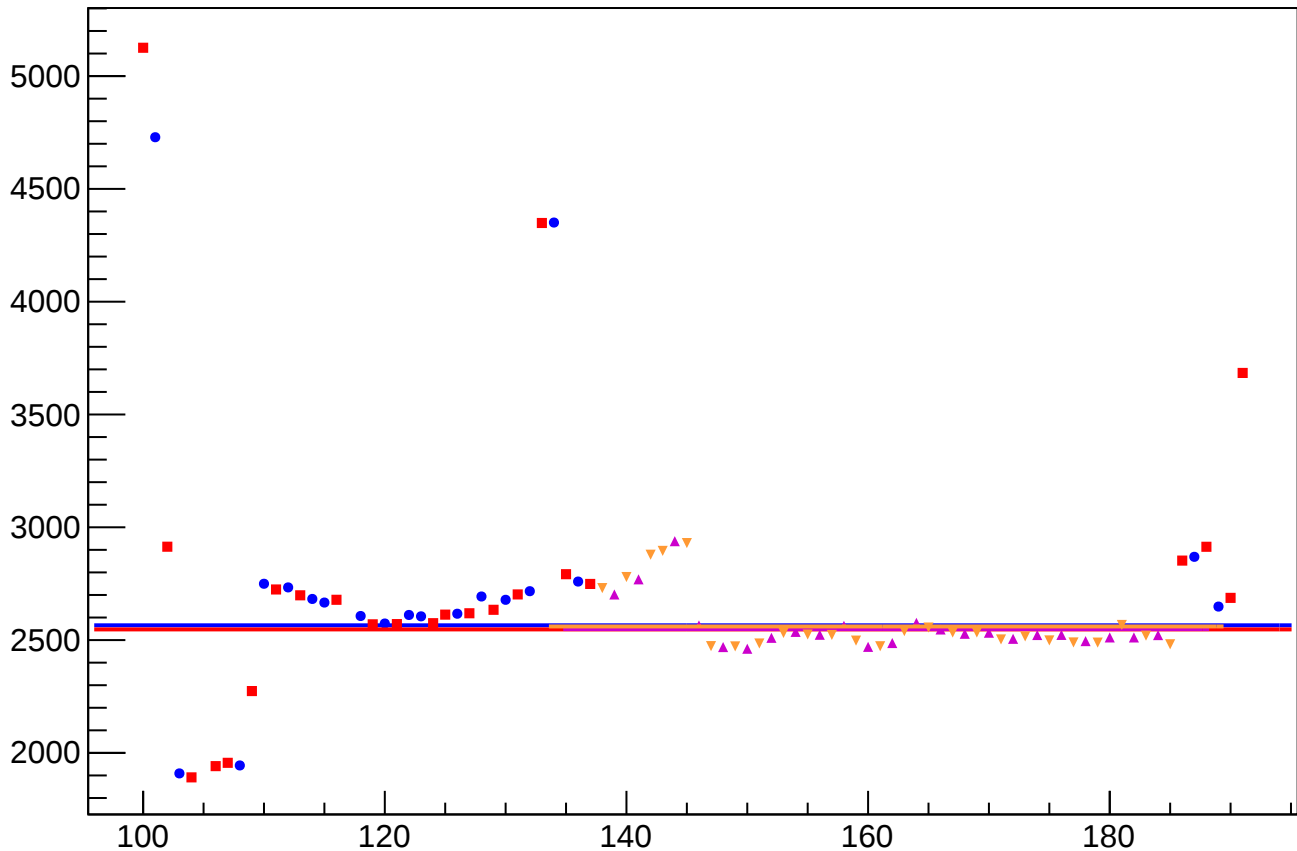
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

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

All: -317.961+/-357.052 χ^2/NDF : 126.2/89

- sign -2659.614+/-501.123 χ^2/NDF : 41.4/45

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: 2547.350 $\pm$ 0.621 χ^2 /NDF: 530570.8/22

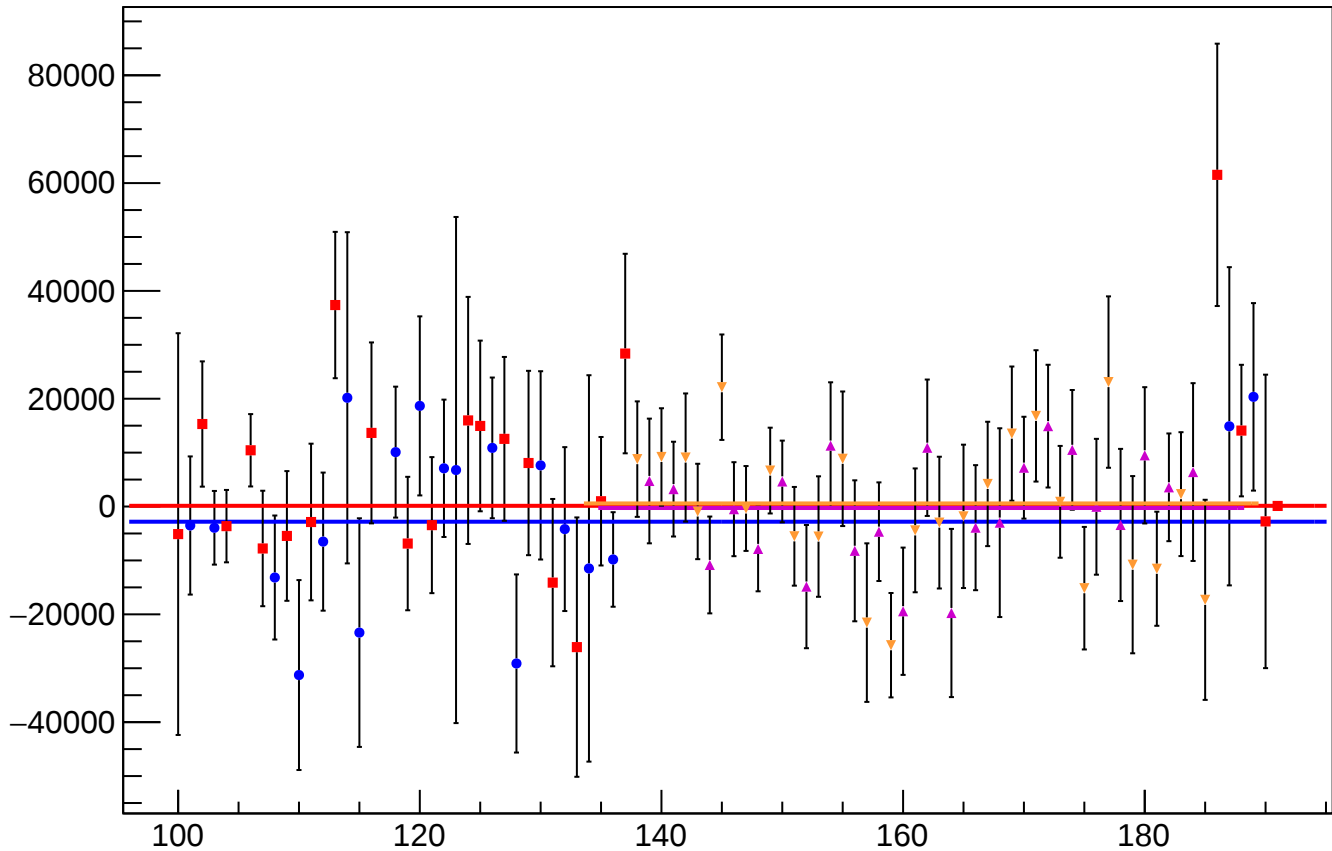
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

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

All: 2555.027 $\pm$ 0.252 χ^2 /NDF: 1223606.6/89

- sign 2548.376 $\pm$ 0.354 χ^2 /NDF: 585841.0/45

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: 132.164 ± 195.058 χ^2/NDF : 28.1/22

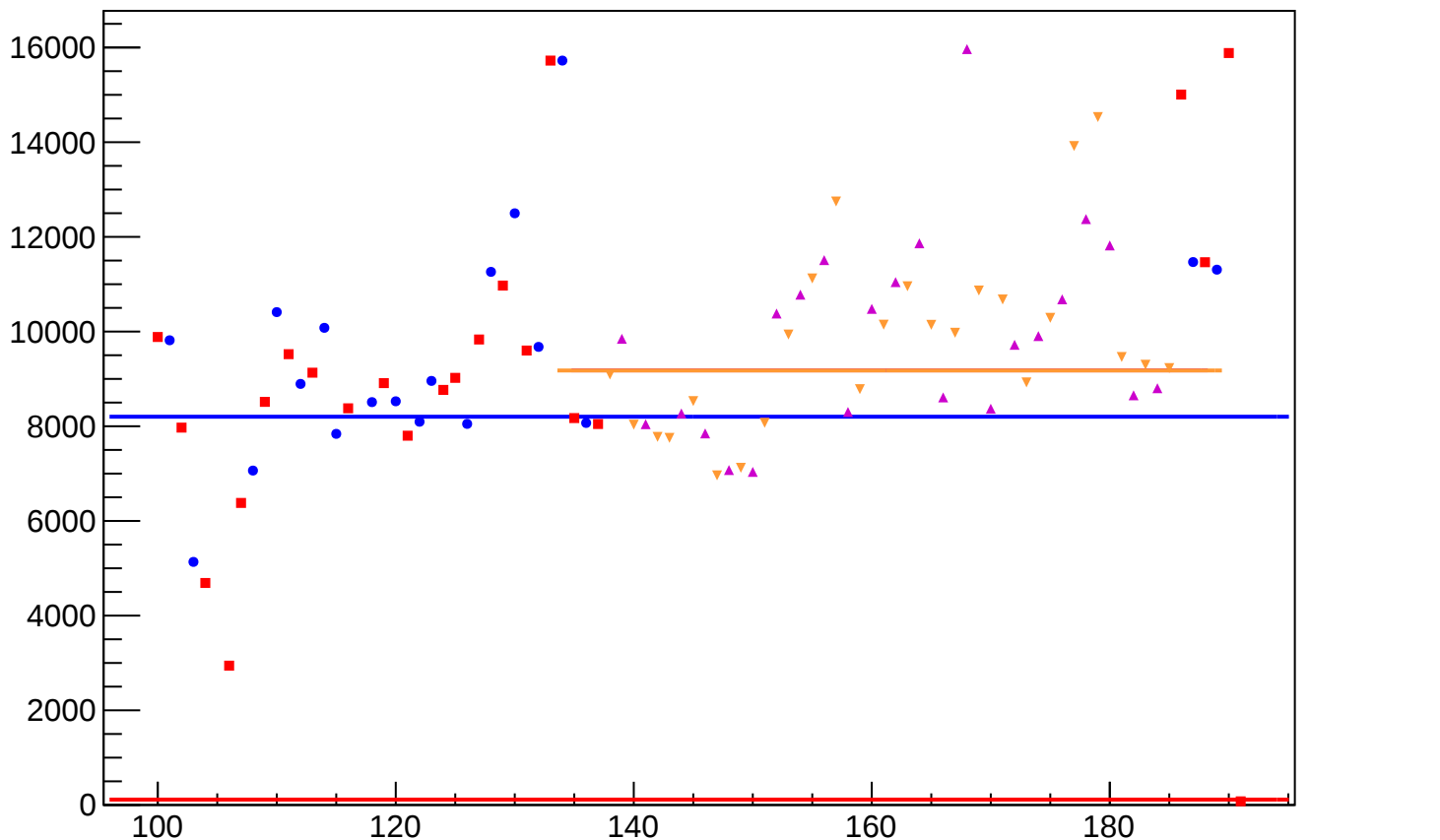
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

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

All: 121.574 ± 193.199 χ^2/NDF : 88.3/89

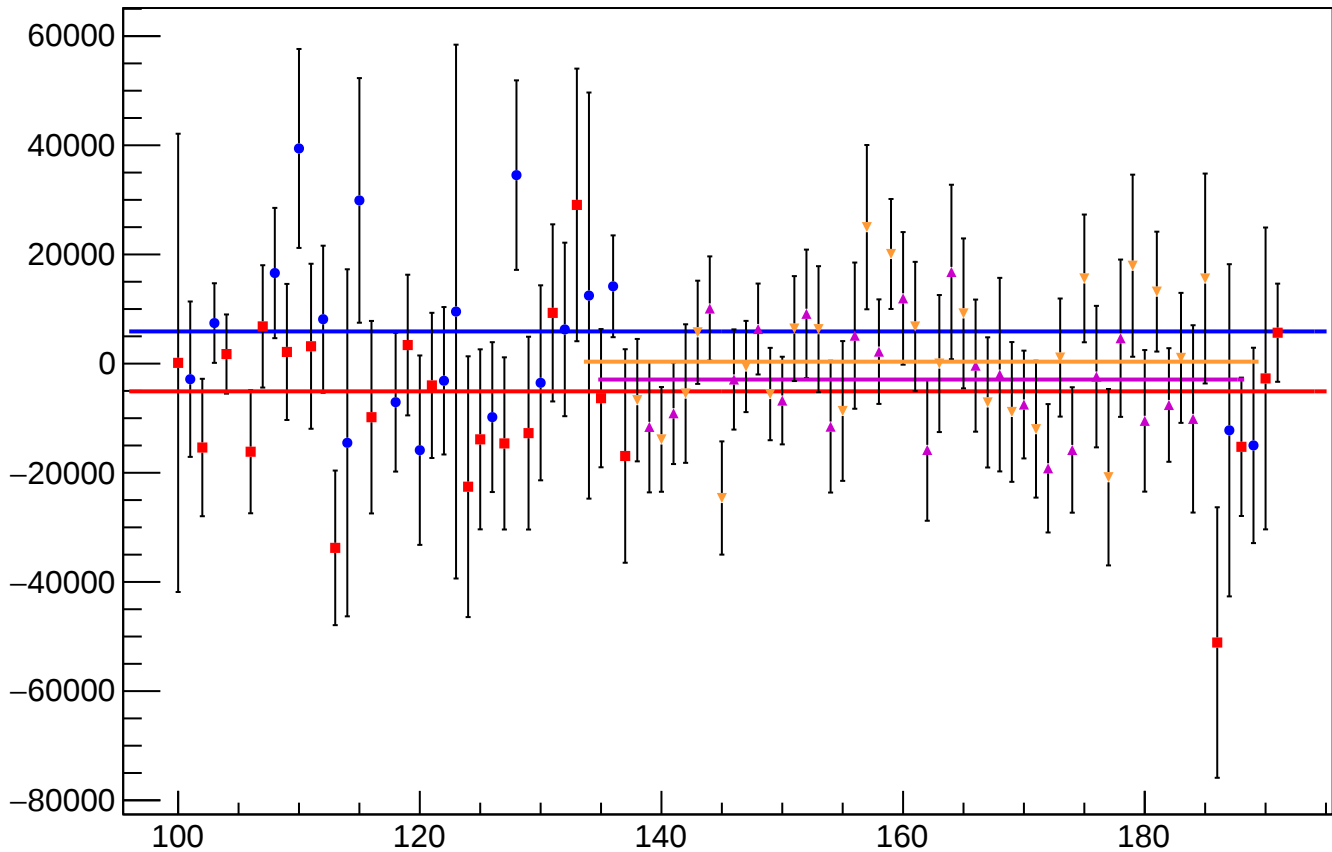
- sign 129.107 ± 194.325 χ^2/NDF : 43.8/45

asym_atr2_correction_rms vs Slug



Right In: 8201.491+/-2.235	χ^2/NDF : 887742.2/18	+ sign 8862.231+/-1.271	χ^2/NDF : 2193016.2/43
Left Out: 9177.688+/-1.545	χ^2/NDF : 1176195.8/24	All: 282.556+/-0.137	χ^2/NDF : 98578648.0/89
Right Out: 114.172+/-0.138	χ^2/NDF : 16589717.8/22	- sign 182.238+/-0.137	χ^2/NDF : 50267427.7/45
Left In: 9181.254+/-1.586	χ^2/NDF : 1236469.7/22		

asym_atr2_mean vs Slug



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

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

Right Out: -5081.659 ± 2876.706 χ^2/NDF : 18.8/22

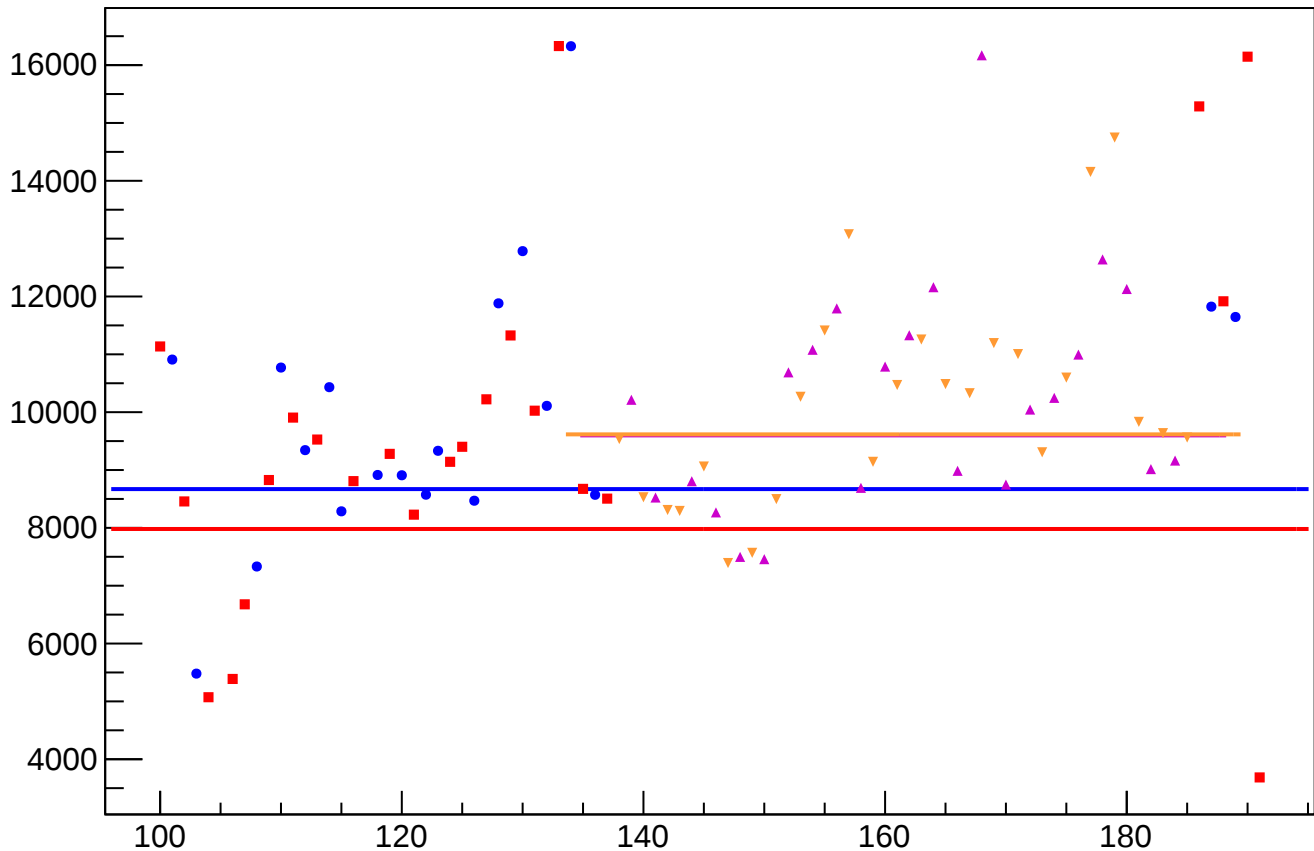
Left In: -2918.356 ± 2338.461 χ^2/NDF : 14.9/22

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

All: -938.888 ± 1306.764 χ^2/NDF : 83.4/89

- sign -3779.091 ± 1814.561 χ^2/NDF : 34.1/45

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: 7980.600+/-2.034 χ^2/NDF : 1951730.8/22

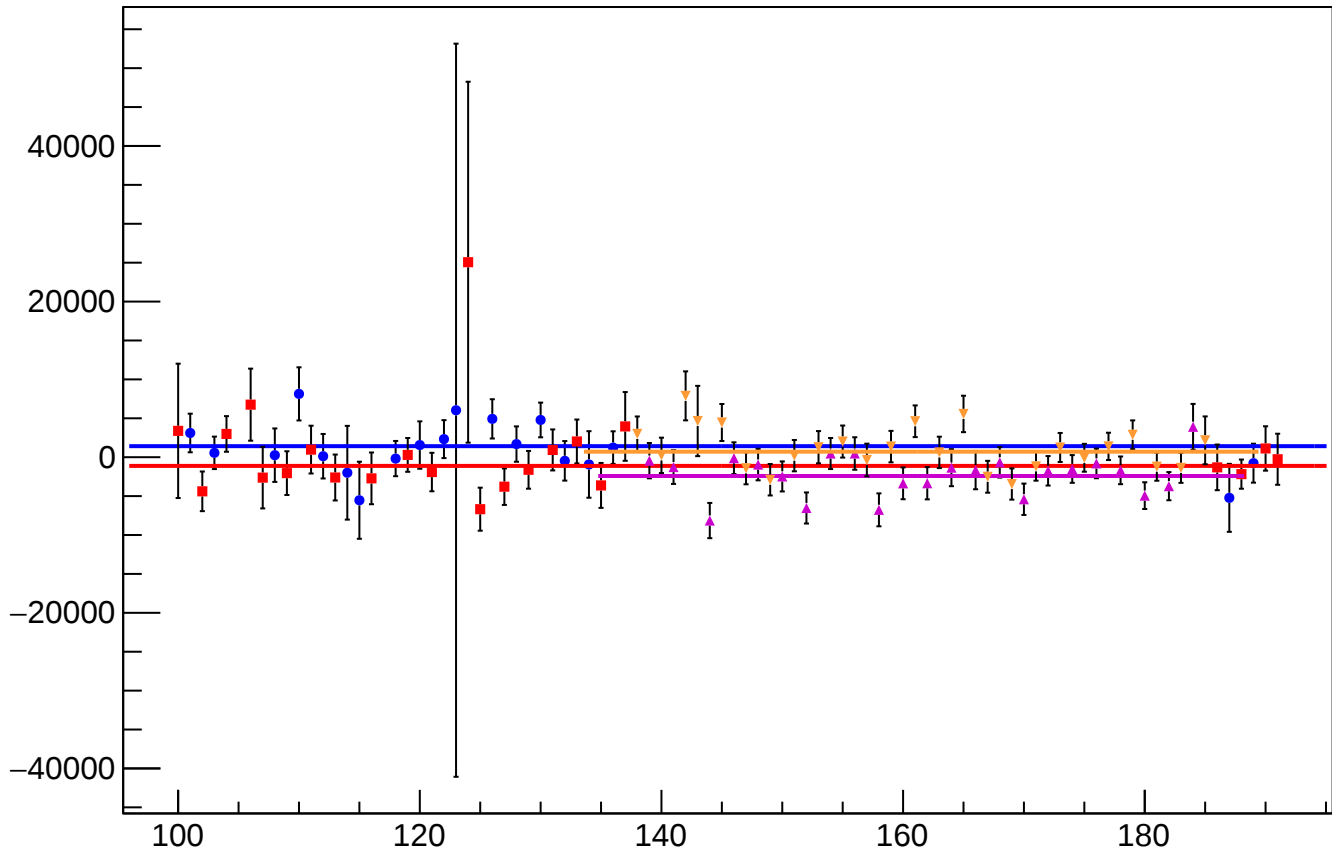
Left In: 9598.531+/-1.654 χ^2/NDF : 1082171.6/22

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

All: 9128.080+/-0.924 χ^2/NDF : 5424409.8/89

- sign 8954.758+/-1.283 χ^2/NDF : 3414847.4/45

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: -1117.338+/-595.093 χ^2/NDF : 21.4/22

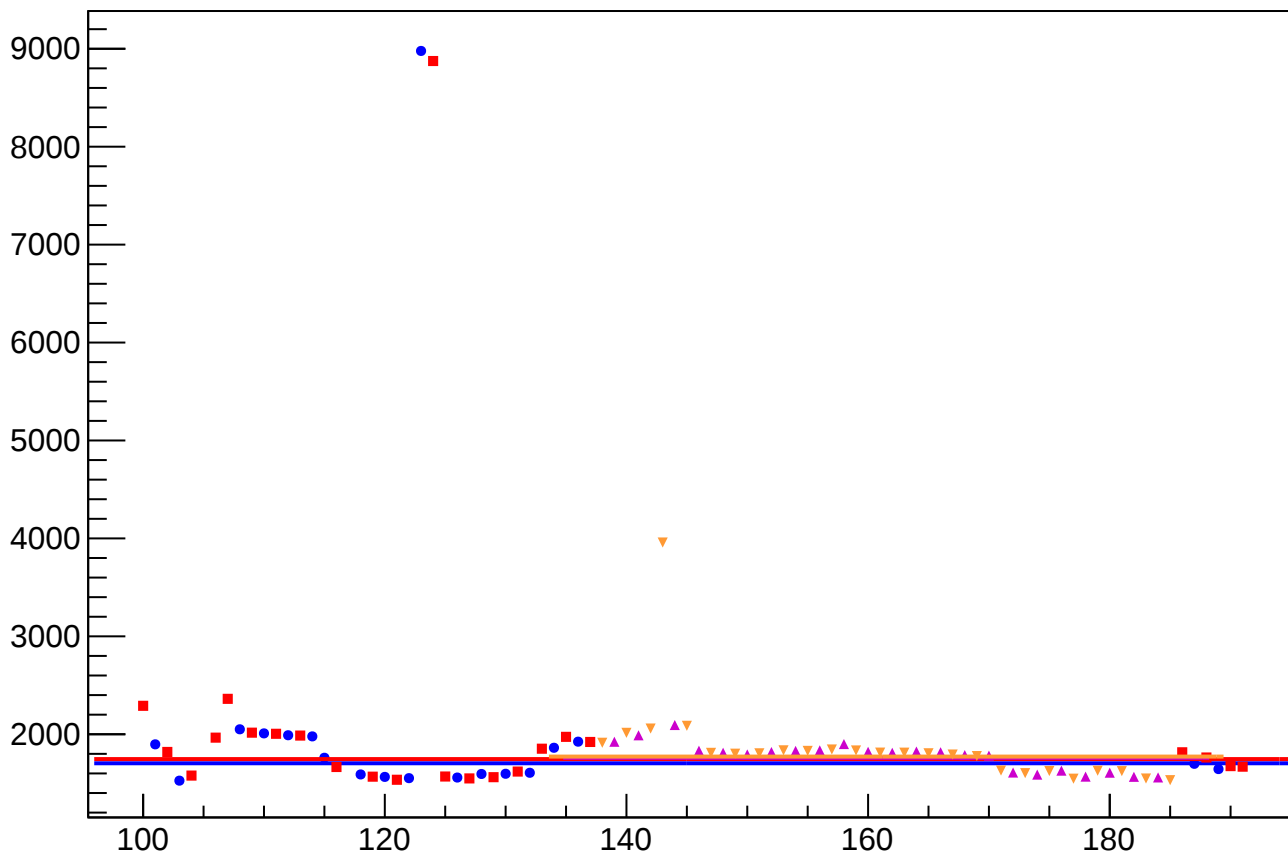
Left In: -2414.749+/-423.472 χ^2/NDF : 34.0/22

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

All: -549.679+/-245.689 χ^2/NDF : 144.9/89

- sign -1978.614+/-345.030 χ^2/NDF : 58.5/45

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: 1746.544 $\pm$ 0.419 χ^2 /NDF: 400019.8/22

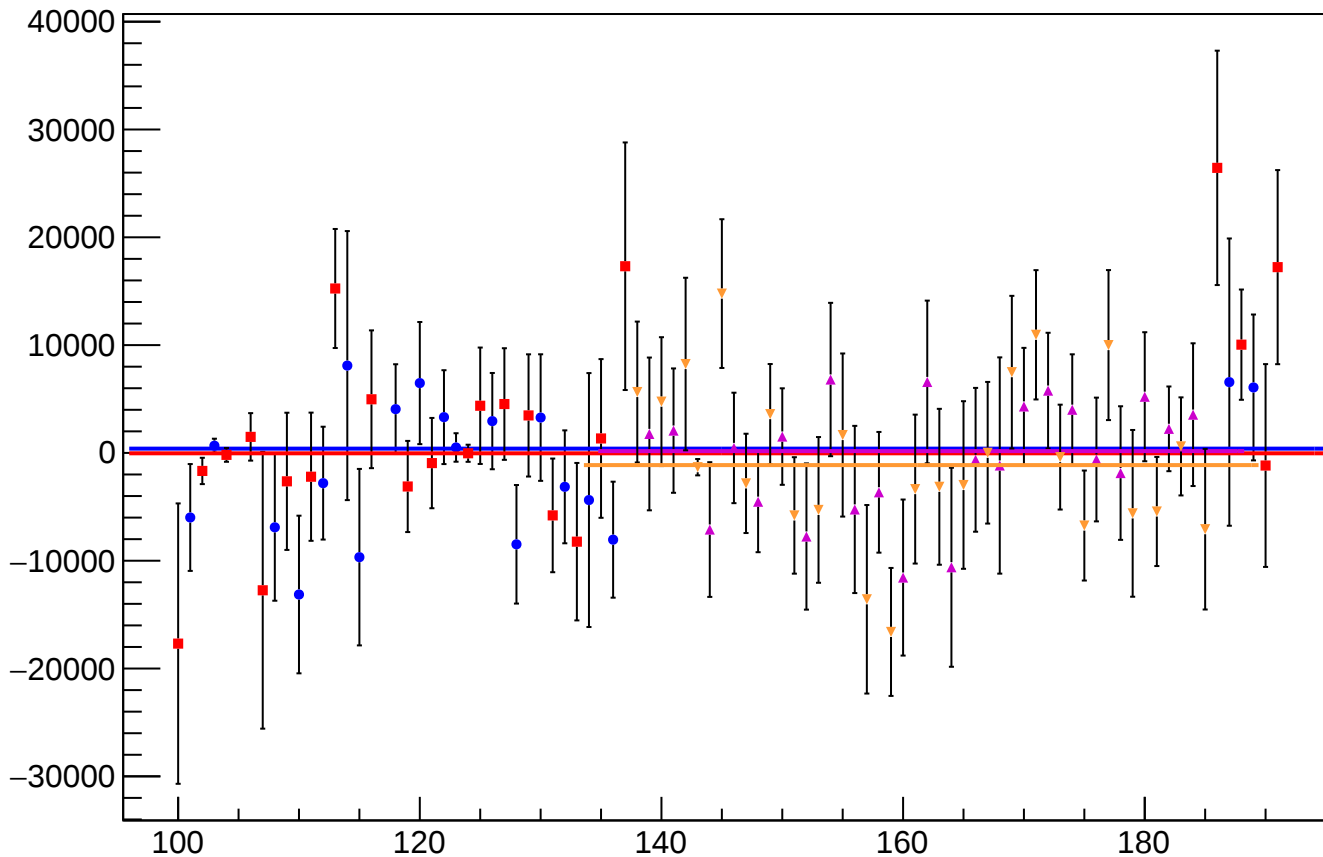
Left In: 1759.600 $\pm$ 0.299 χ^2 /NDF: 214891.5/22

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

All: 1753.506 $\pm$ 0.174 χ^2 /NDF: 1531008.6/89

- sign 1755.190 $\pm$ 0.244 χ^2 /NDF: 615553.3/45

asym_atl_avg_correction_mean vs Slug



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

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

Right Out: -35.941 $\pm$ 430.833 χ^2 /NDF: 34.4/22

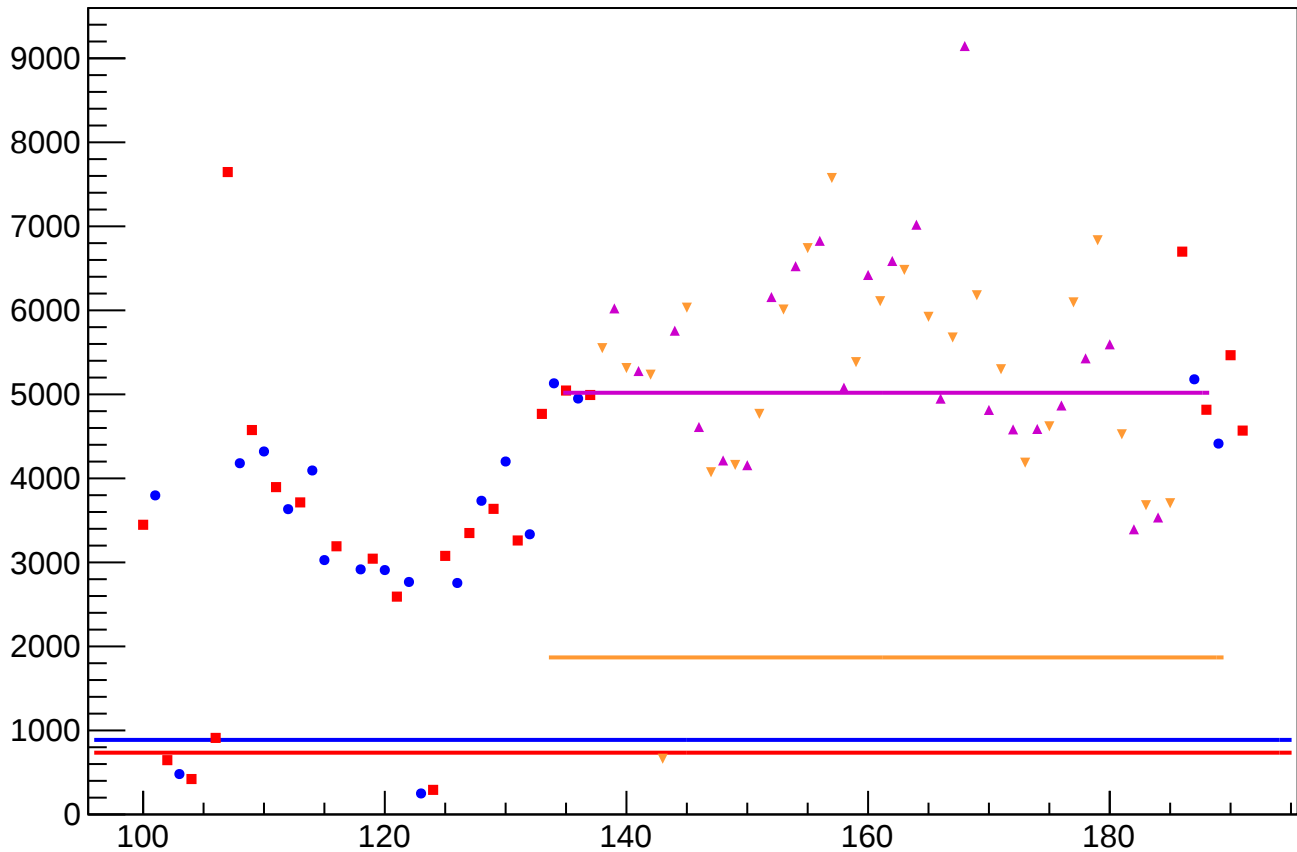
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

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

All: -118.515 $\pm$ 290.145 χ^2 /NDF: 101.8/89

- sign -13.712 $\pm$ 406.698 χ^2 /NDF: 48.6/45

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: 735.164+/-0.305 χ^2/NDF : 11137453.5/22

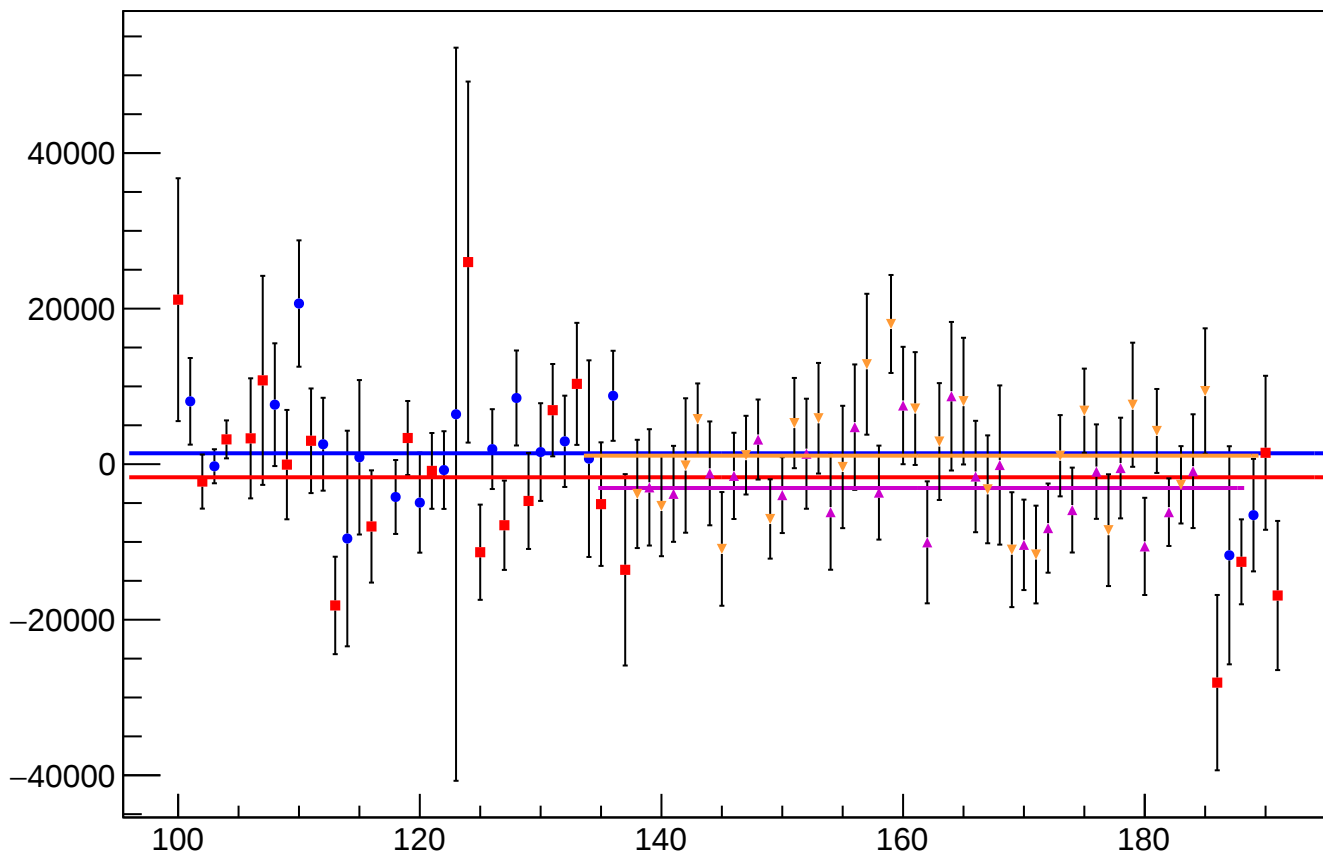
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

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

All: 1244.392+/-0.205 χ^2/NDF : 65738210.5/8

- sign 1201.690+/-0.288 χ^2/NDF : 34240922.2/45

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: -1683.930+/-1226.395 χ^2/NDF : 39.8/22

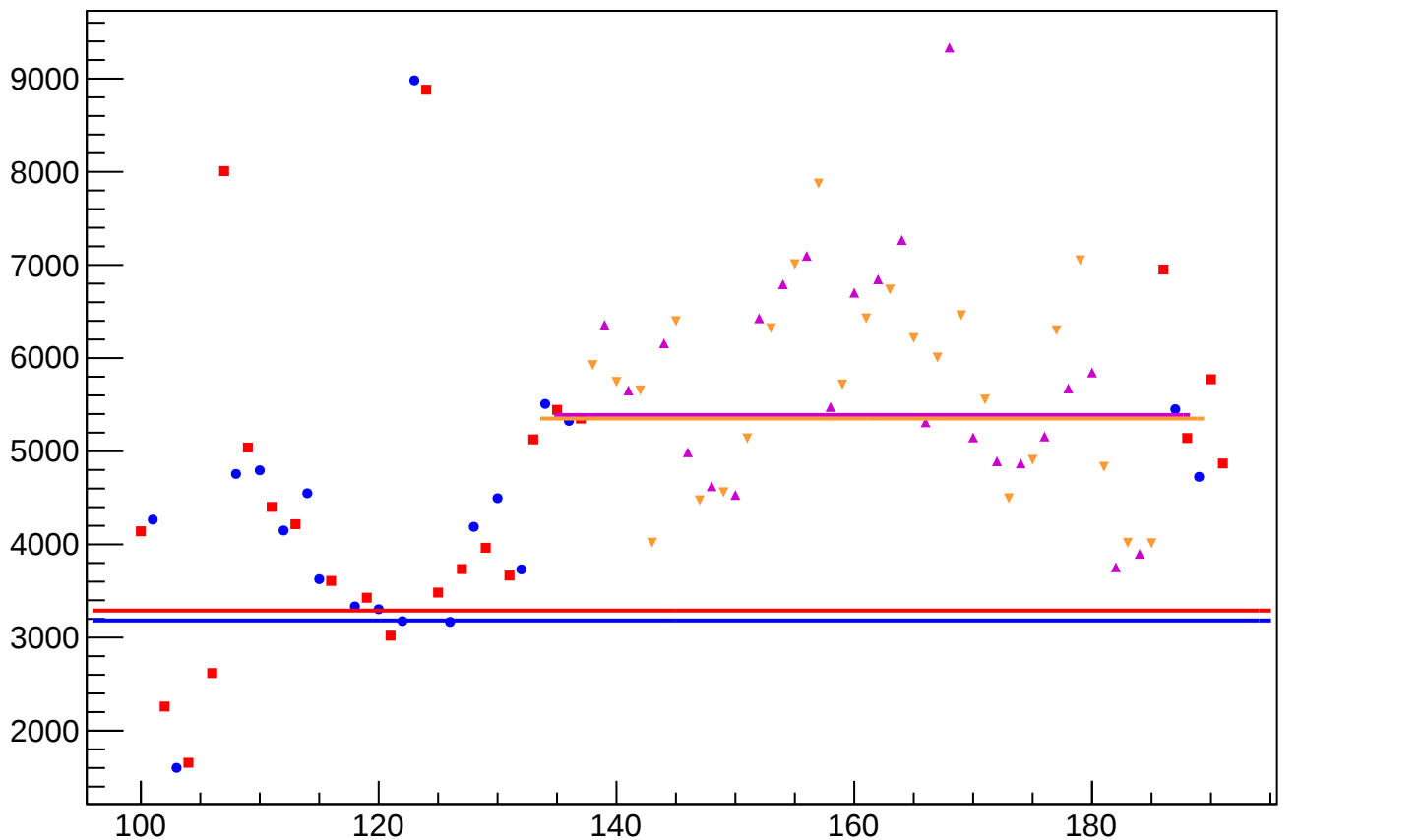
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

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

All: -553.366+/-637.398 χ^2/NDF : 109.4/89

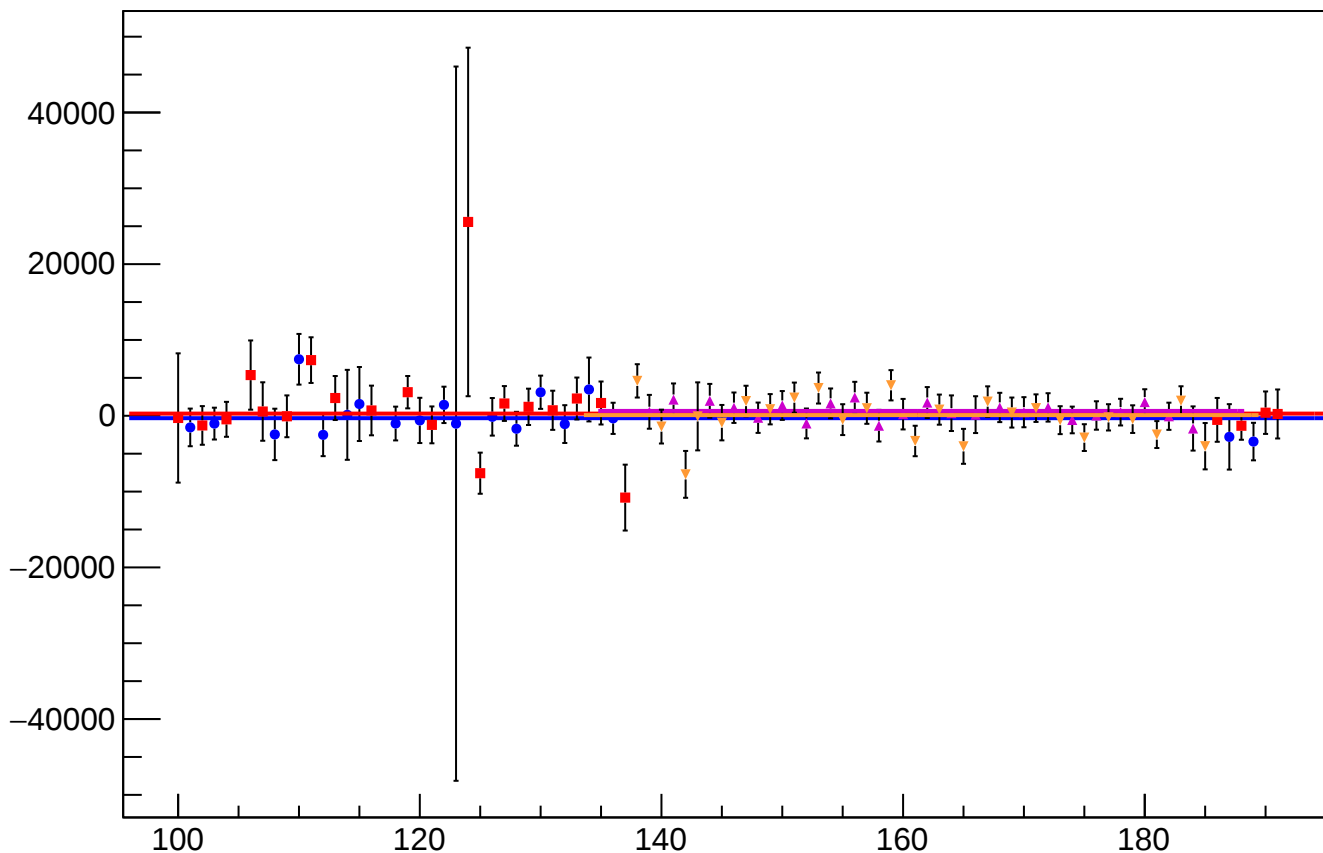
- sign -2324.612+/-897.886 χ^2/NDF : 52.9/45

asym_atl_avg_rms vs Slug



Right In: 3183.326+/-0.910	χ^2/NDF : 2031606.2/18	+ sign 4278.555+/-0.640	χ^2/NDF : 6140889.6/43
Left Out: 5350.804+/-0.900	χ^2/NDF : 1241497.9/24	All: 4264.112+/-0.449	χ^2/NDF : 12892521.6/8
Right Out: 3289.484+/-0.856	χ^2/NDF : 2685795.2/22	- sign 4250.096+/-0.630	χ^2/NDF : 6750628.1/45
Left In: 5389.724+/-0.932	χ^2/NDF : 1309863.0/22		

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: 286.038 ± 586.409 χ^2/NDF : 28.1/22

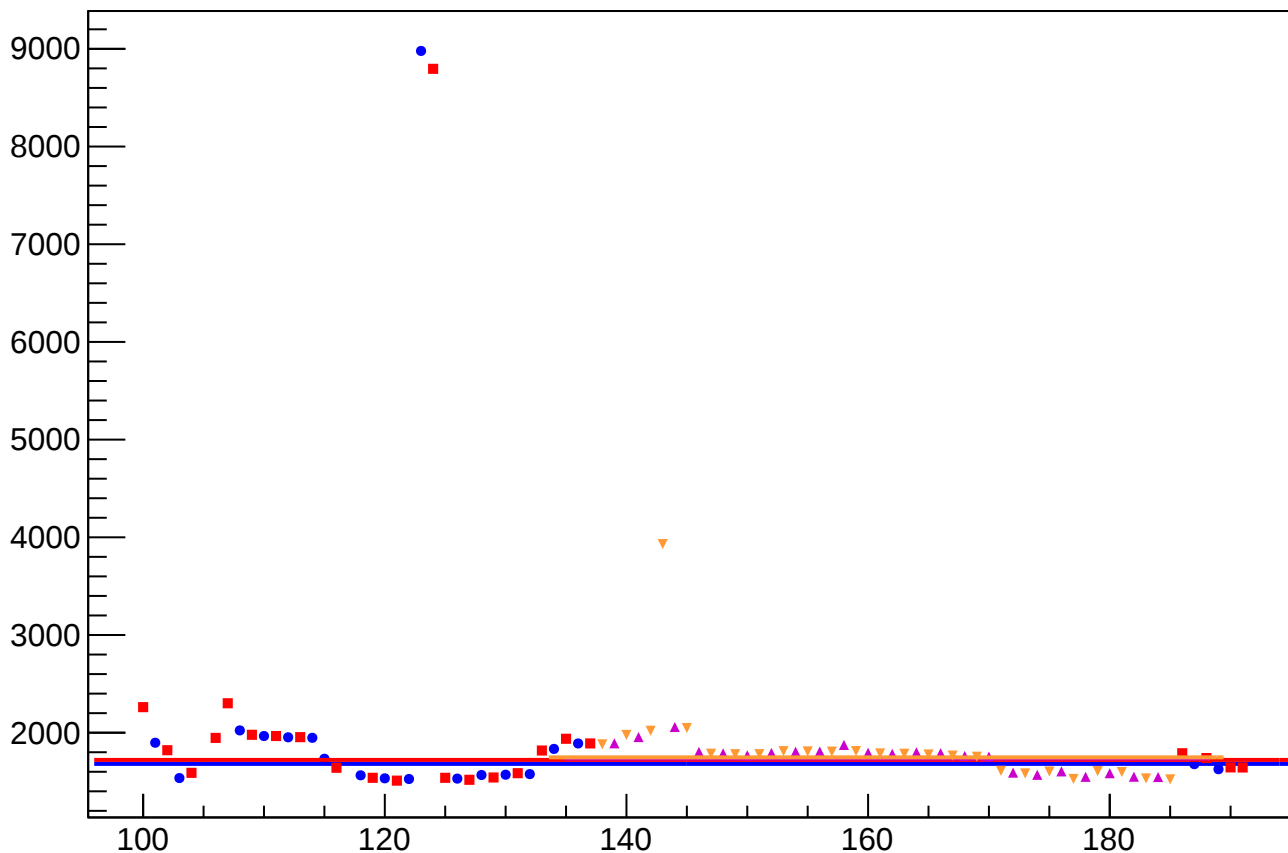
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

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

All: 247.621 ± 242.259 χ^2/NDF : 85.3/89

- sign 521.035 ± 340.186 χ^2/NDF : 34.5/45

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: 1721.470+/-0.413 χ^2/NDF : 396536.3/22

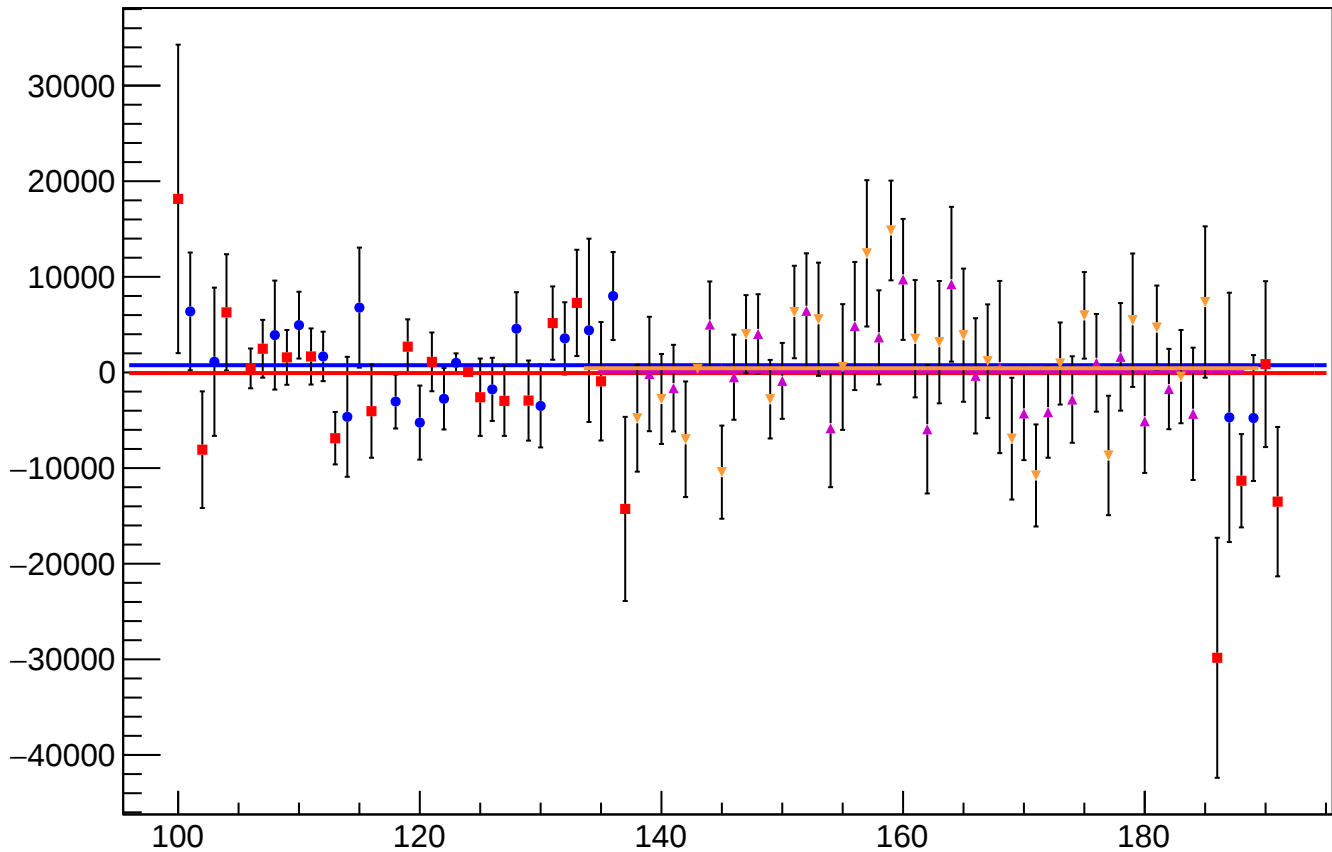
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

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

All: 1729.191+/-0.171 χ^2/NDF : 1512953.4/89

- sign 1730.784+/-0.240 χ^2/NDF : 604070.3/45

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: -63.542 $\pm$ 355.540 χ^2 /NDF: 34.8/22

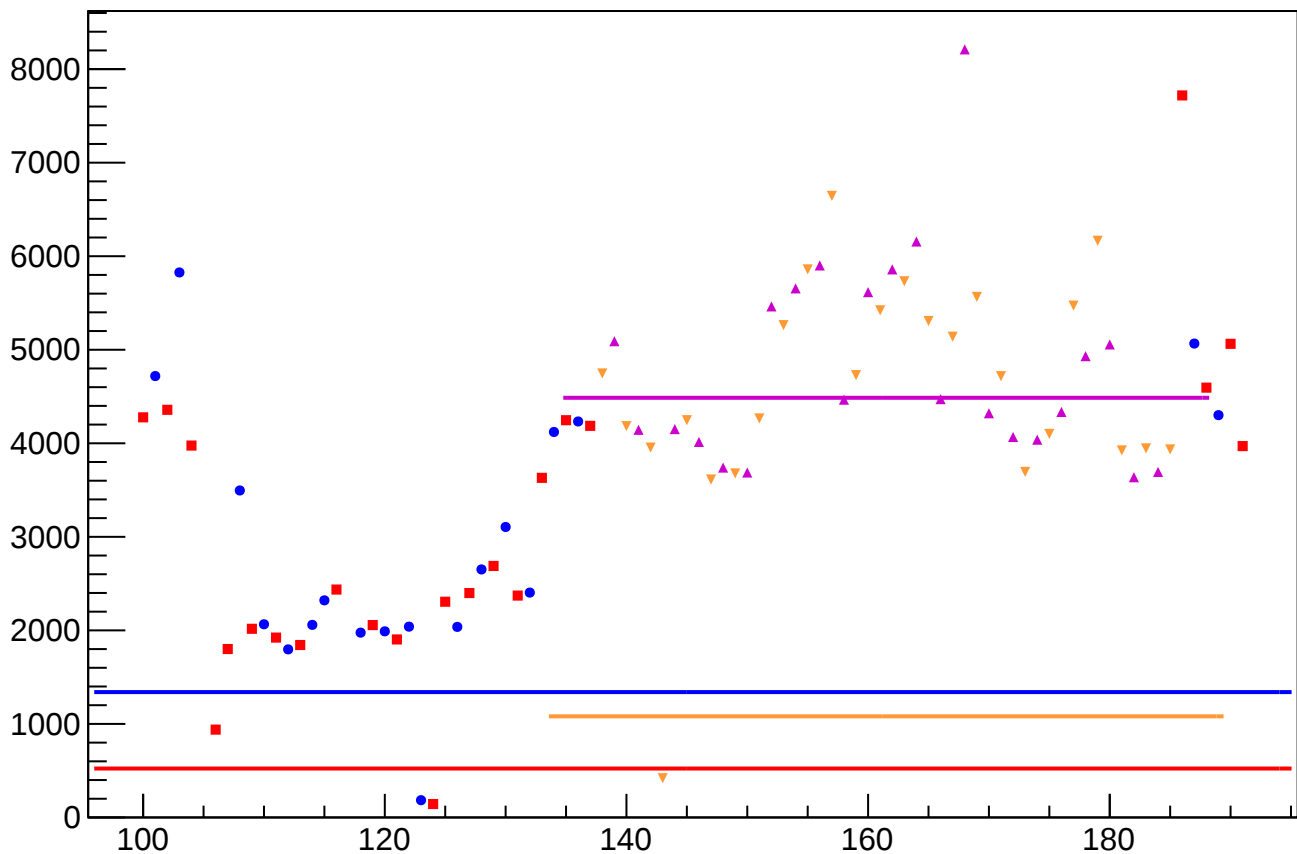
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

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

All: 212.887 $\pm$ 250.525 χ^2 /NDF: 100.1/89

- sign -49.037 $\pm$ 338.157 χ^2 /NDF: 48.2/45

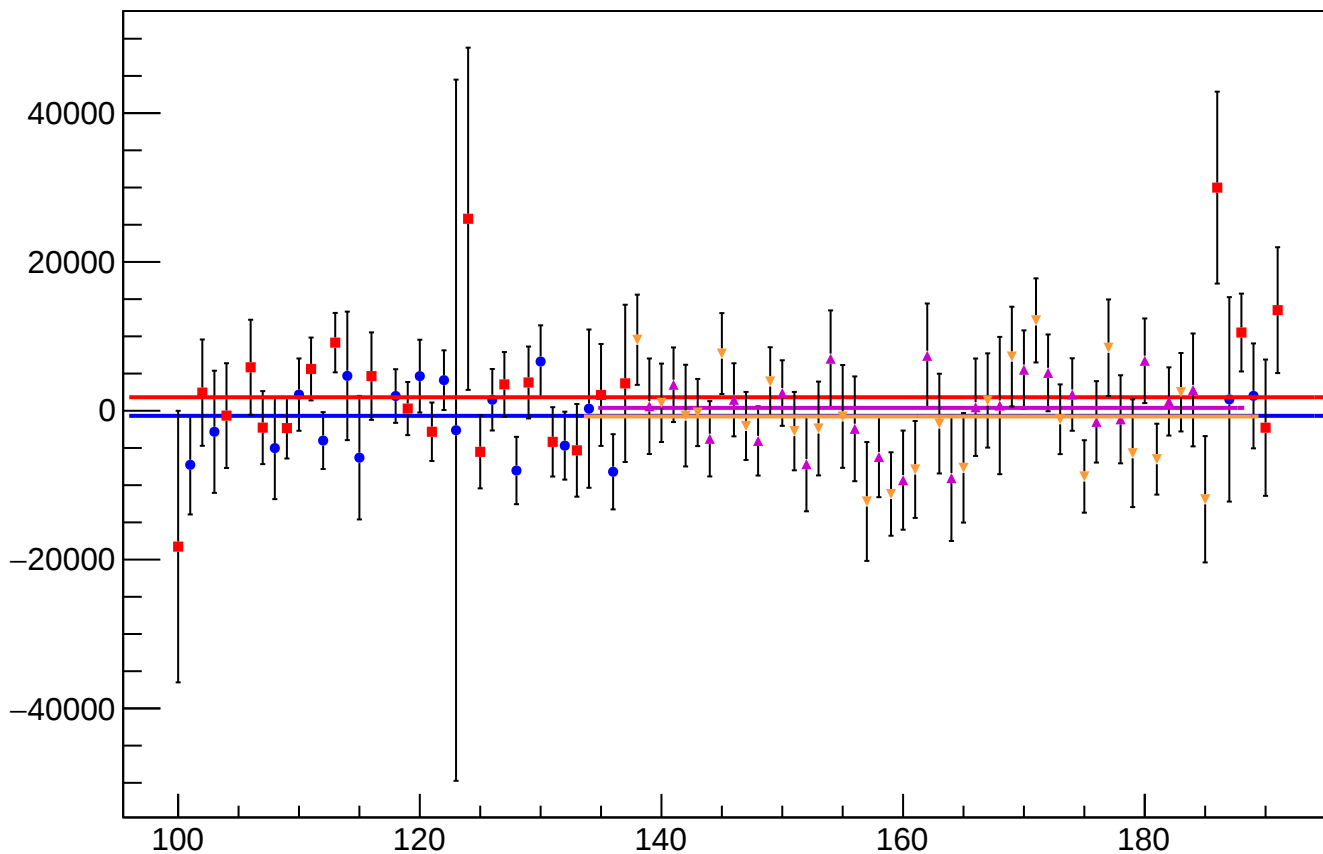
asym_atl_dd_correction_rms vs Slug



Right In: 1340.150 ± 0.496 $\chi^2/\text{NDF}: 7085479.1/18$
 Left Out: 1081.004 ± 0.311 $\chi^2/\text{NDF}: 24456244.2/24$
 Right Out: 522.997 ± 0.251 $\chi^2/\text{NDF}: 13133517.6/22$
 Left In: 4486.570 ± 0.774 $\chi^2/\text{NDF}: 1181598.1/22$

+ sign 1154.209 ± 0.264 $\chi^2/\text{NDF}: 31737405.5/43$
 All: 1015.292 ± 0.177 $\chi^2/\text{NDF}: 70269619.5/8$
 - sign 901.111 ± 0.239 $\chi^2/\text{NDF}: 38026765.2/45$

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: 1816.407 ± 1139.817 χ^2/NDF : 25.8/22

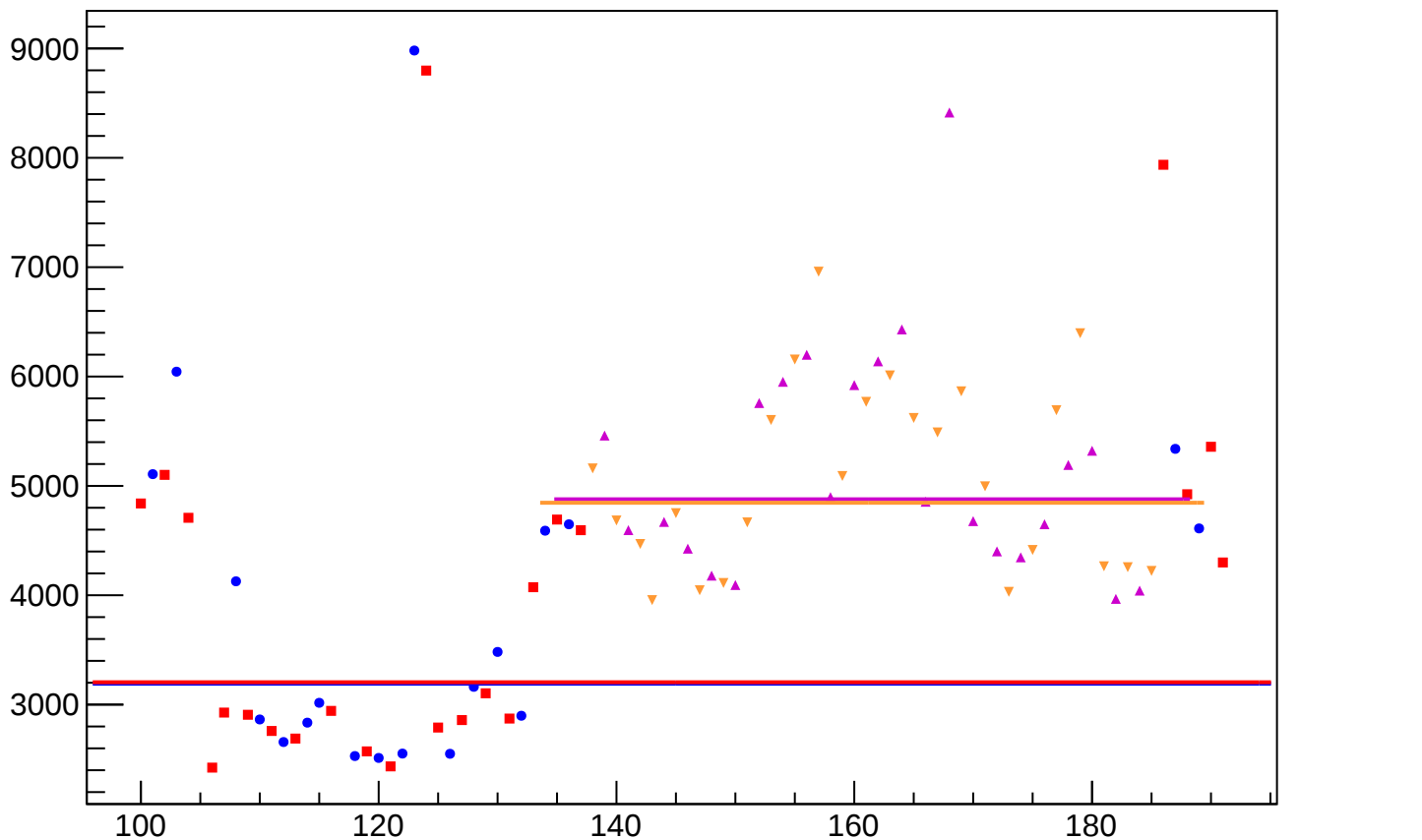
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

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

All: 224.866 ± 588.265 χ^2/NDF : 88.0/89

- sign 1131.189 ± 821.914 χ^2/NDF : 40.7/45

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: 3204.342+/-0.797 χ^2/NDF : 1469716.6/22

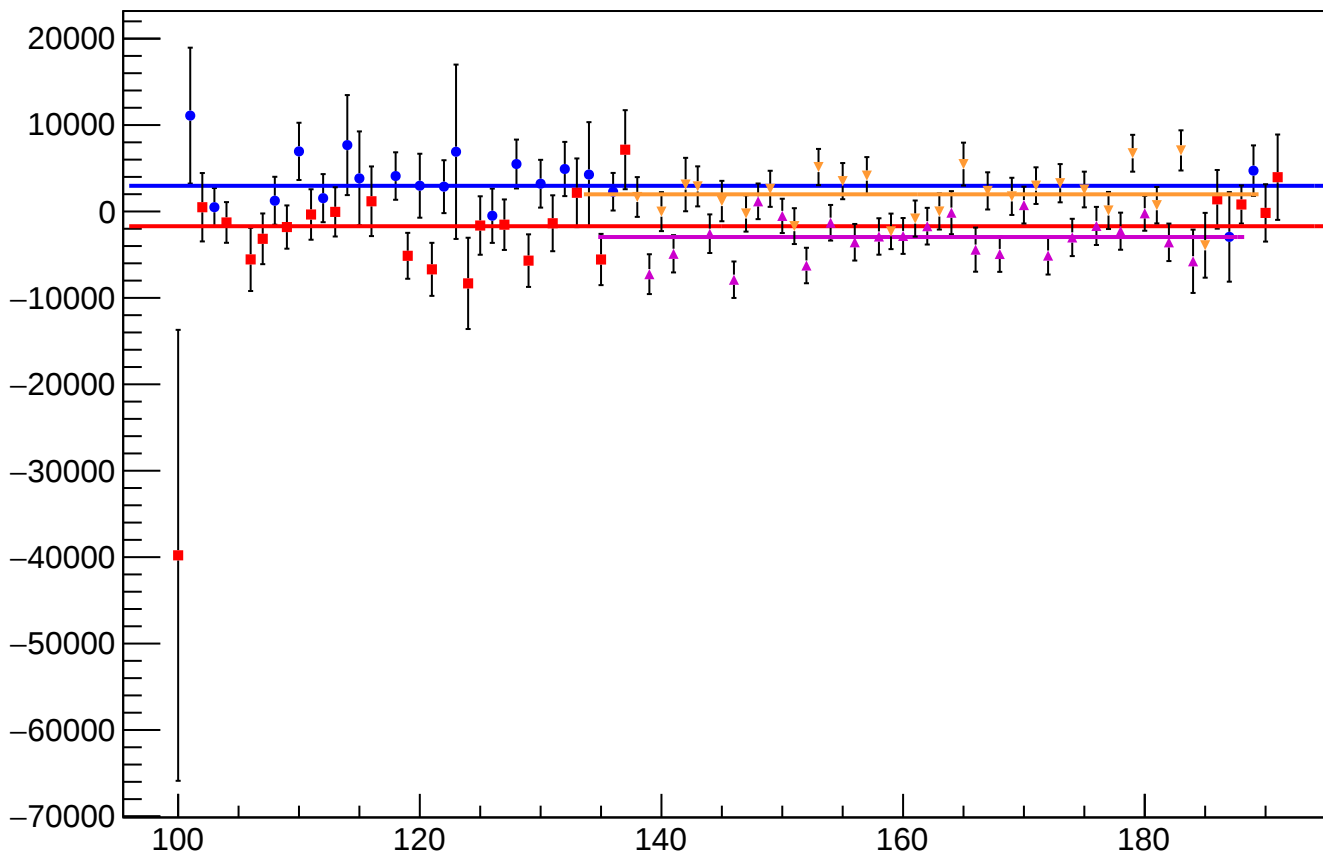
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

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

All: 4039.092+/-0.415 χ^2/NDF : 8435100.0/89

- sign 3997.888+/-0.578 χ^2/NDF : 4519732.9/45

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: -1706.147 ± 668.233 χ^2/NDF : 22.6/22

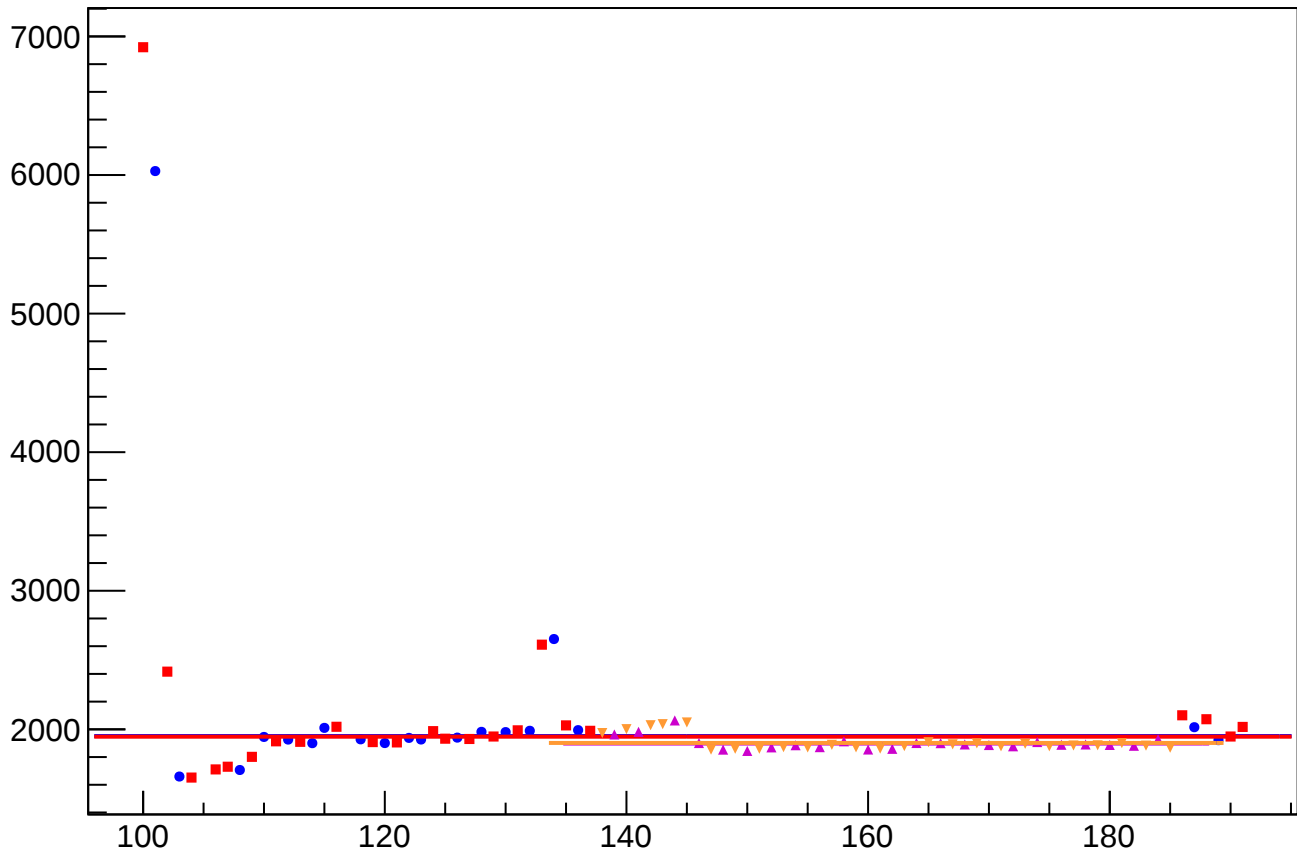
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

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

All: -189.589 ± 267.466 χ^2/NDF : 177.4/89

- sign -2560.556 ± 375.840 χ^2/NDF : 53.4/45

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

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

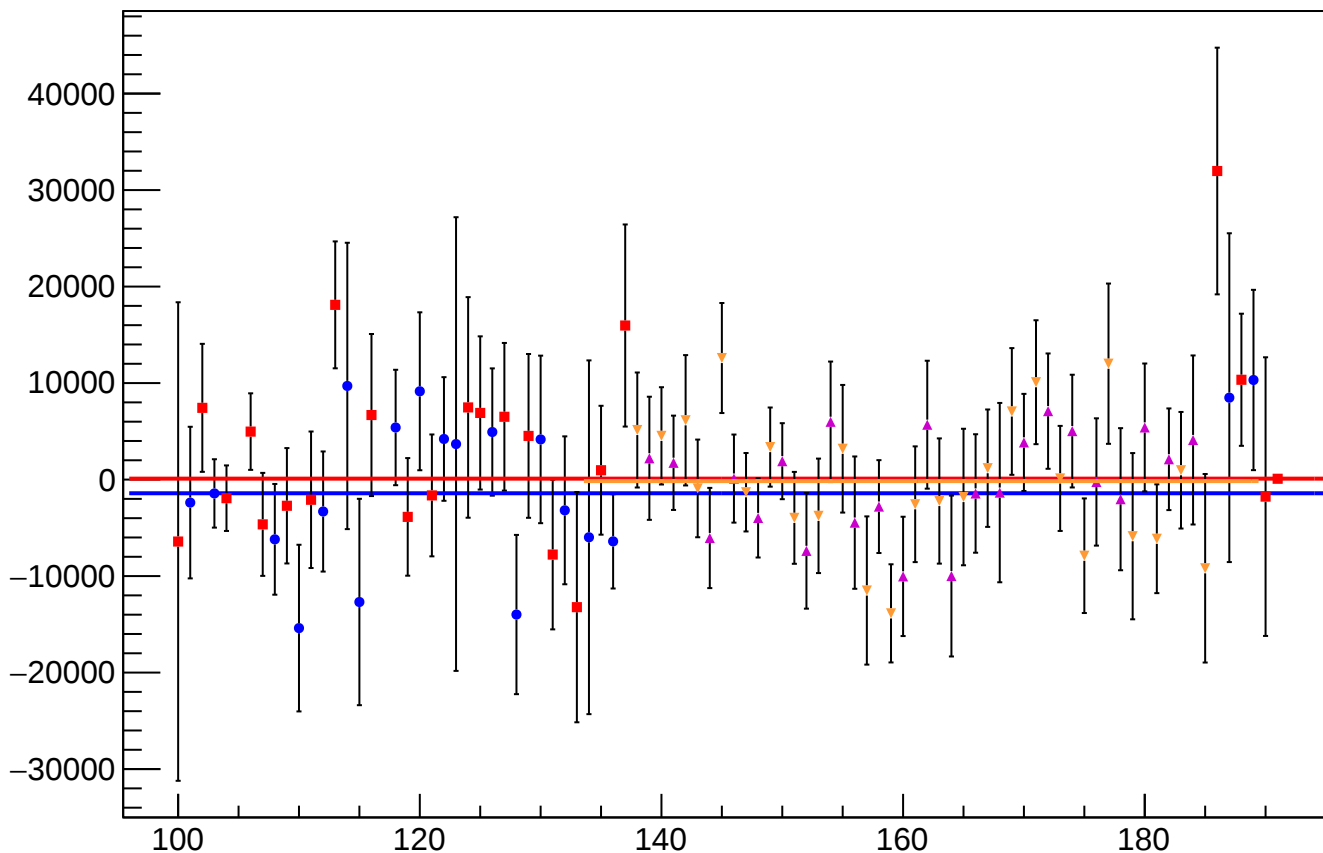
Right Out: 1947.153+/-0.472 χ^2/NDF : 230489.3/22

All: 1914.035+/-0.189 χ^2/NDF : 914174.2/89

- sign 1913.218+/-0.266 χ^2/NDF : 259252.0/45

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

asym_atr_avg_correction_mean vs Slug



Right In: -1418.018+/-1631.646 χ^2/NDF : 15.6/18

Left Out: -157.539+/-1165.844 χ^2/NDF : 29.5/24

Right Out: 98.022+/-109.625 χ^2/NDF : 28.1/22

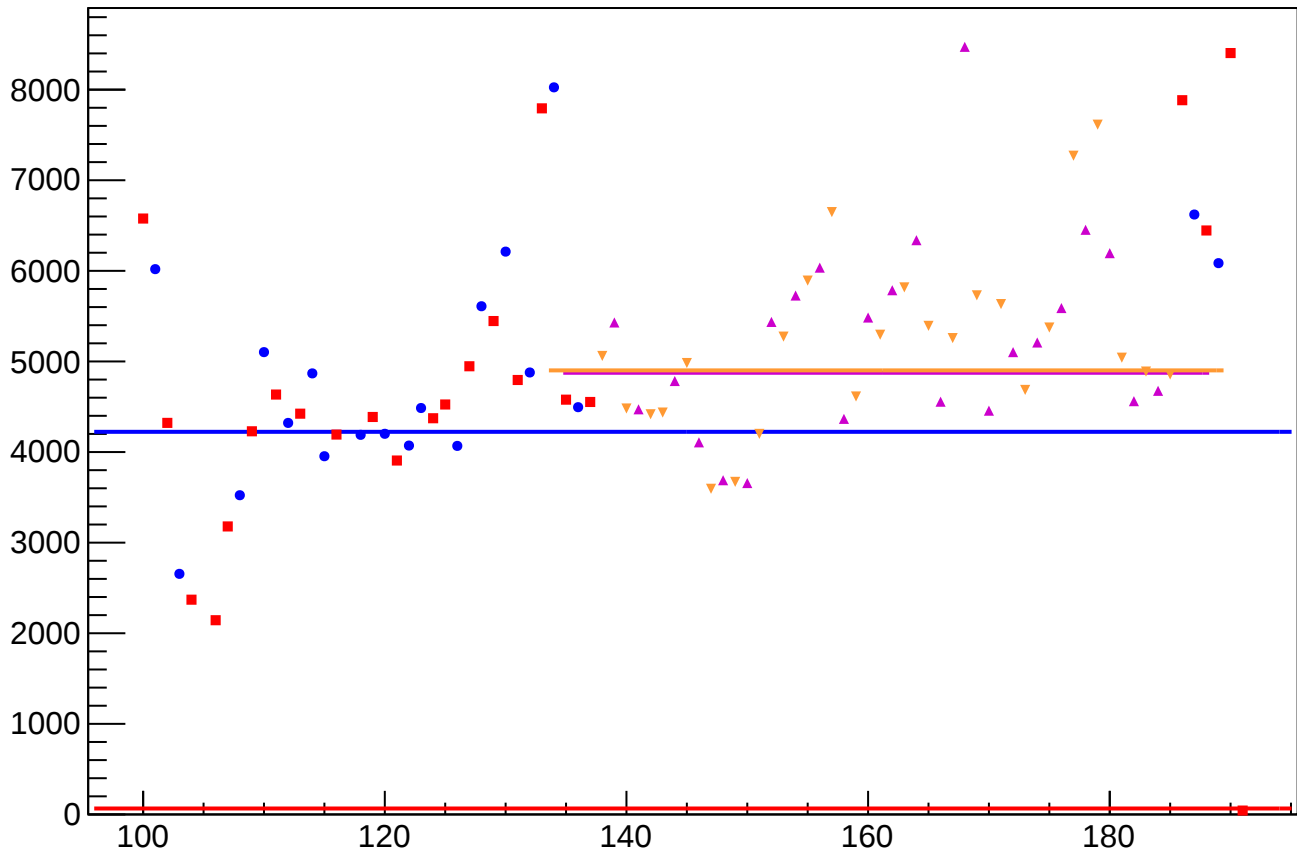
Left In: -139.000+/-1190.889 χ^2/NDF : 14.7/22

+ sign -583.562+/-948.581 χ^2/NDF : 45.5/43

All: 87.147+/-108.447 χ^2/NDF : 88.8/89

- sign 96.030+/-109.163 χ^2/NDF : 42.8/45

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: 65.703+/-0.078 χ^2/NDF : 16660609.7/22

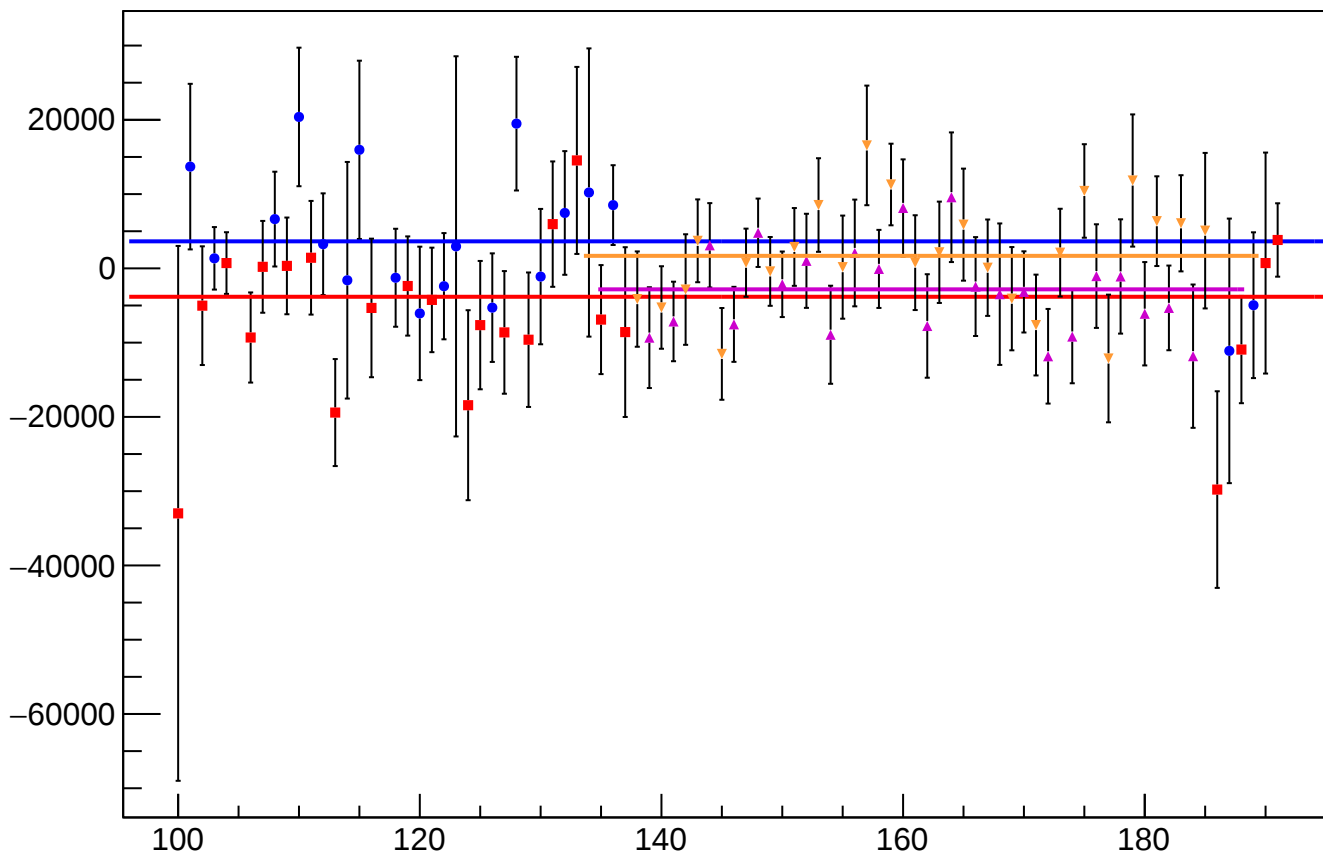
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4672.187+/-0.671 χ^2/NDF : 2307627.5/43

All: 165.795+/-0.077 χ^2/NDF : 98277782.3/89

- sign 106.114+/-0.077 χ^2/NDF : 50234721.2/45

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: -3824.085+/-1571.136 χ^2/NDF : 22.1/22

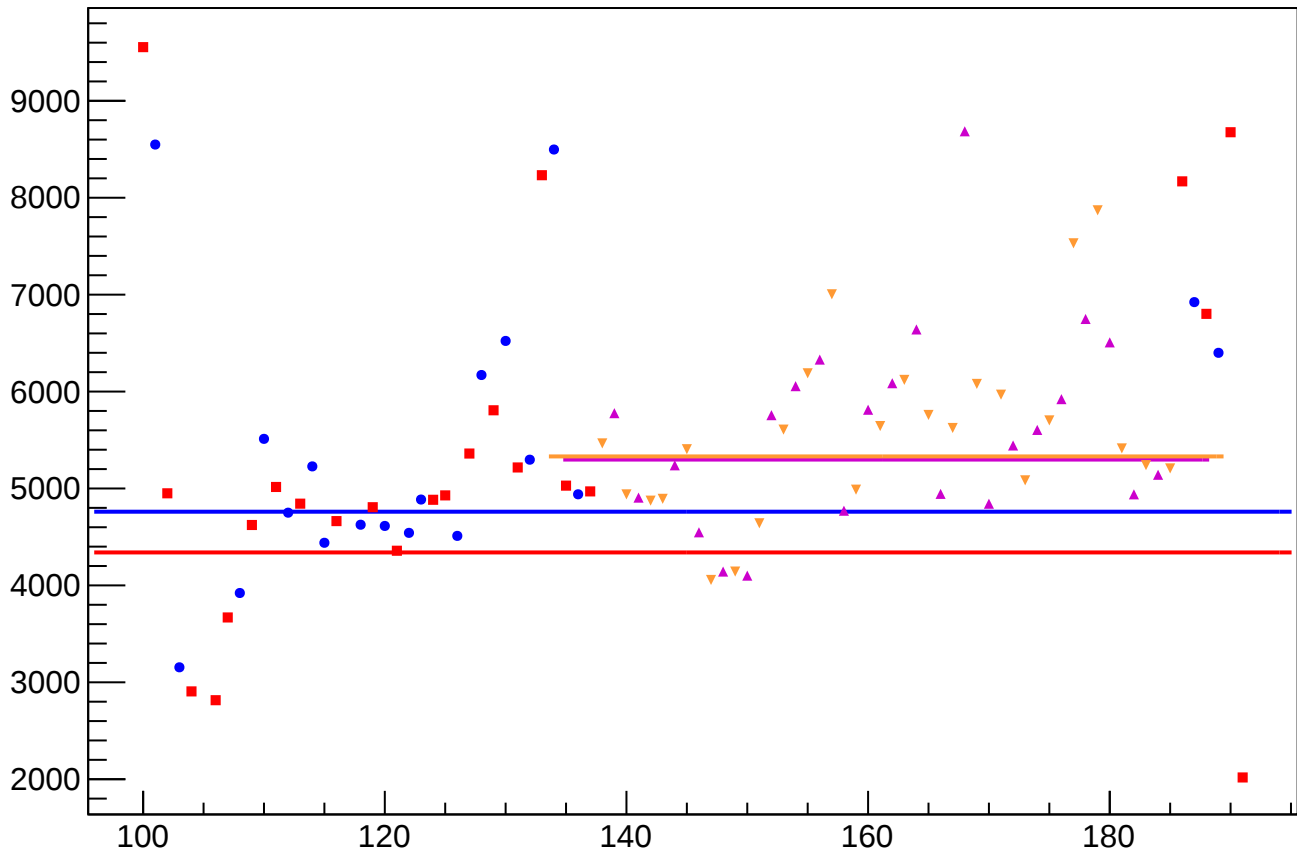
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2313.971+/-1039.281 χ^2/NDF : 41.8/43

All: -573.127+/-719.192 χ^2/NDF : 97.0/89

- sign -3226.169+/-996.264 χ^2/NDF : 40.4/45

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: 4340.020+/-1.106 χ^2/NDF : 1845093.6/22

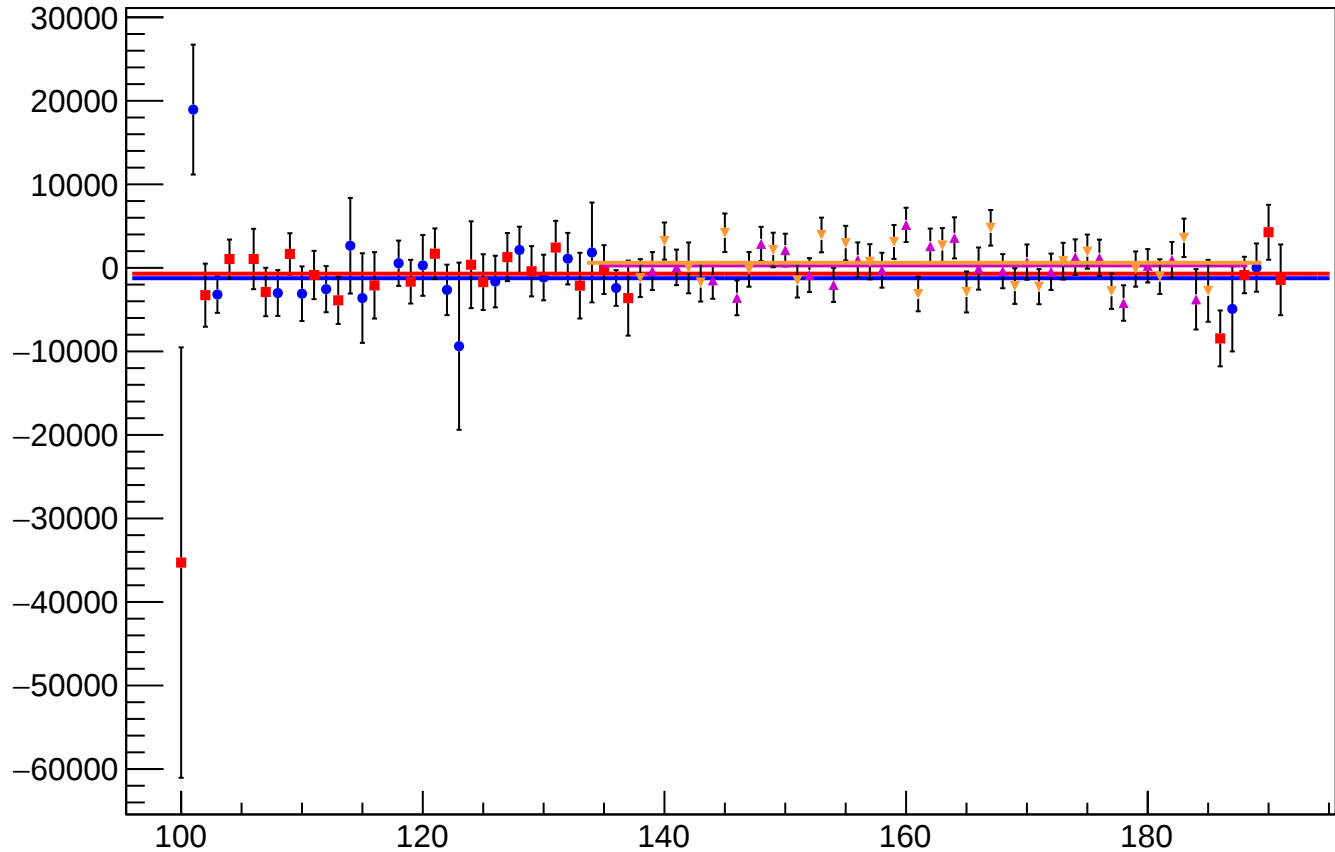
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5147.375+/-0.735 χ^2/NDF : 1871803.5/43

All: 5023.855+/-0.508 χ^2/NDF : 5174480.2/89

- sign 4910.787+/-0.703 χ^2/NDF : 3248564.5/45

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: -694.545+/-657.728 χ^2/NDF : 16.5/22

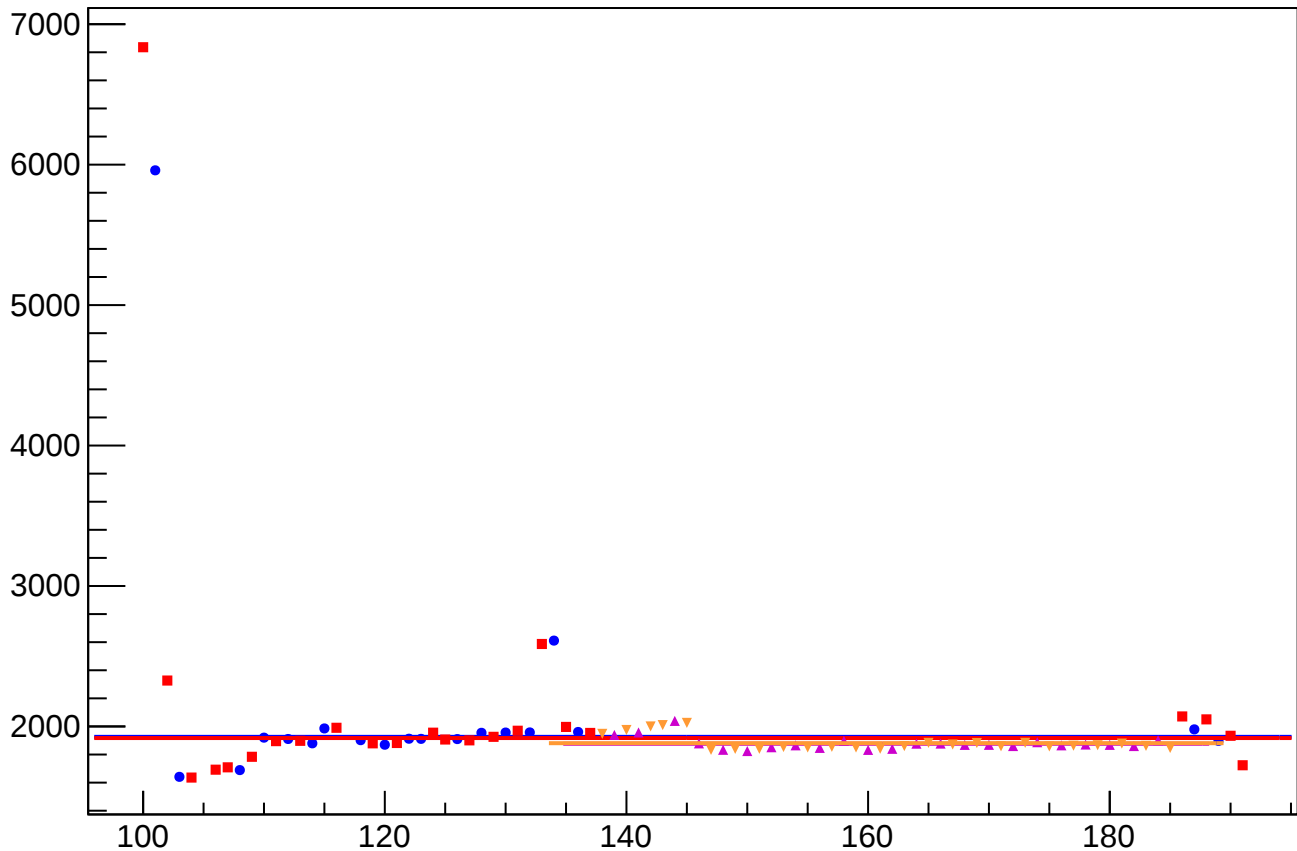
Left In: 293.009+/-449.575 χ^2/NDF : 23.6/22

+ sign 125.646+/-376.282 χ^2/NDF : 51.4/43

All: 51.083+/-264.240 χ^2/NDF : 93.2/89

- sign -21.462+/-371.156 χ^2/NDF : 41.7/45

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: 1917.405+/-0.464 χ^2/NDF : 227992.5/22

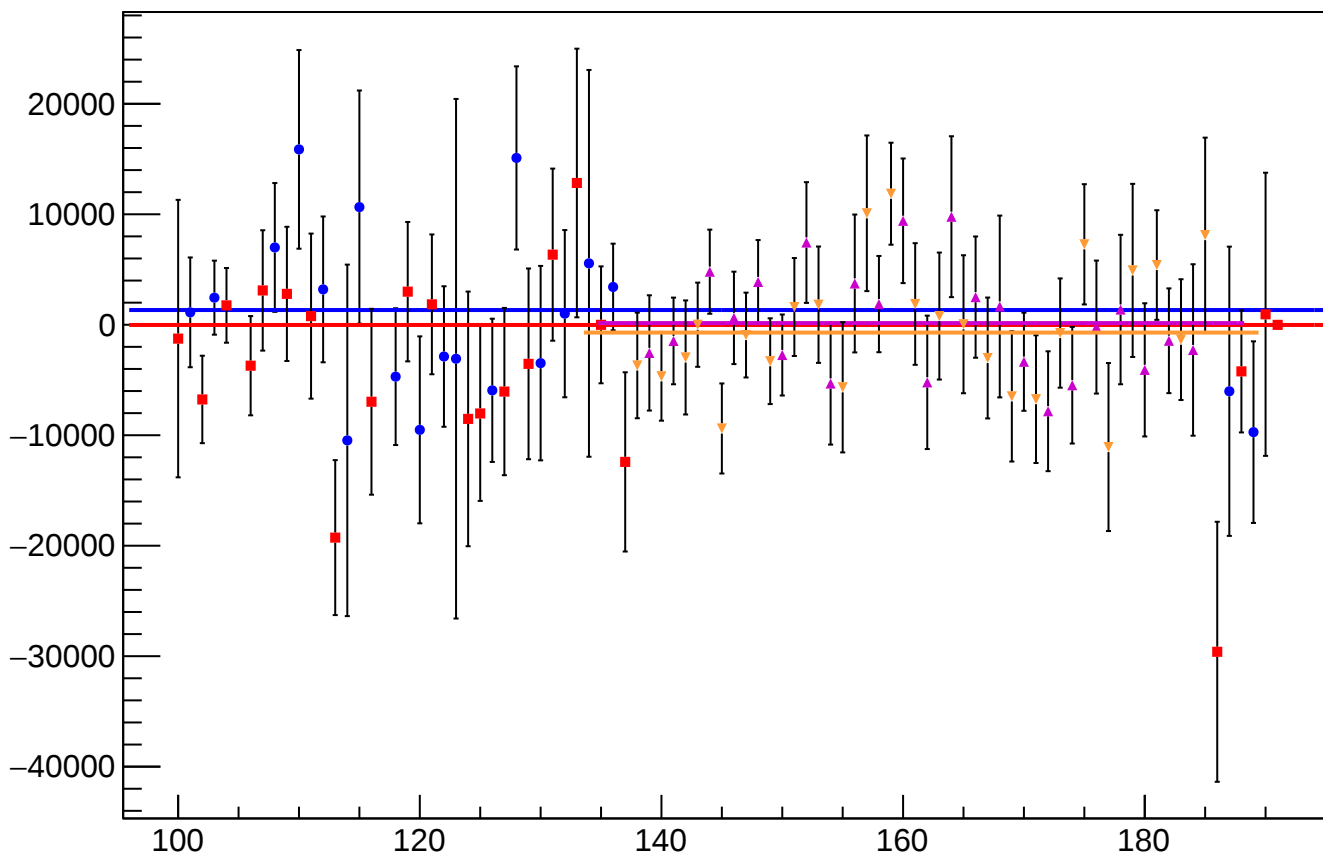
Left In: 1876.685+/-0.318 χ^2/NDF : 20499.7/22

+ sign 1892.653+/-0.266 χ^2/NDF : 650532.2/43

All: 1891.148+/-0.187 χ^2/NDF : 904325.6/89

- sign 1889.684+/-0.262 χ^2/NDF : 253730.2/45

asym_atr_dd_correction_mean vs Slug



Right In: 1332.130+/-1522.207 χ^2/NDF : 14.9/18

Left Out: -707.785+/-1017.719 χ^2/NDF : 27.1/24

Right Out: -18.877+/-85.841 χ^2/NDF : 26.3/22

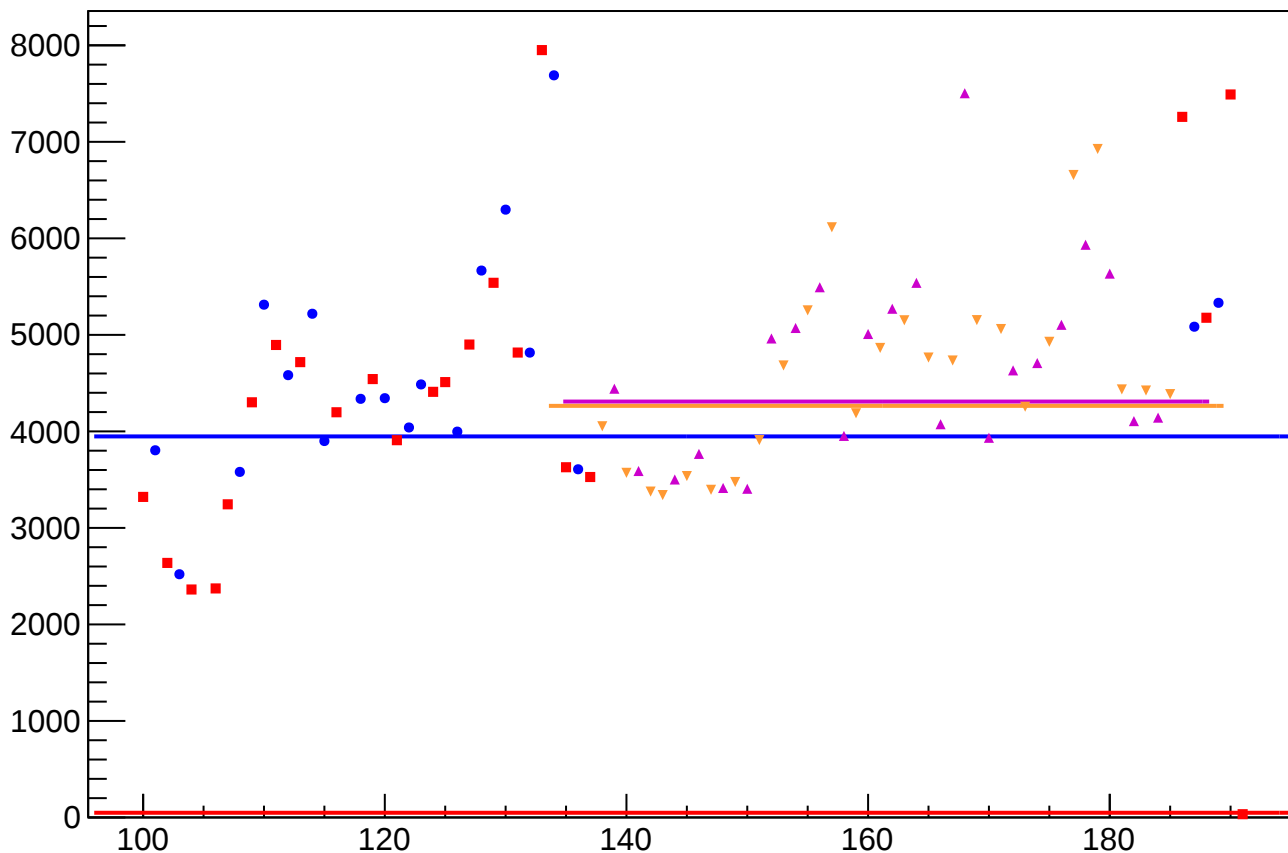
Left In: 150.495+/-1053.655 χ^2/NDF : 16.9/22

+ sign -77.624+/-846.045 χ^2/NDF : 43.3/43

All: -18.366+/-85.124 χ^2/NDF : 86.6/89

- sign -17.760+/-85.558 χ^2/NDF : 43.3/45

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: 48.639+/-0.061 χ^2/NDF : 16741999.6/22

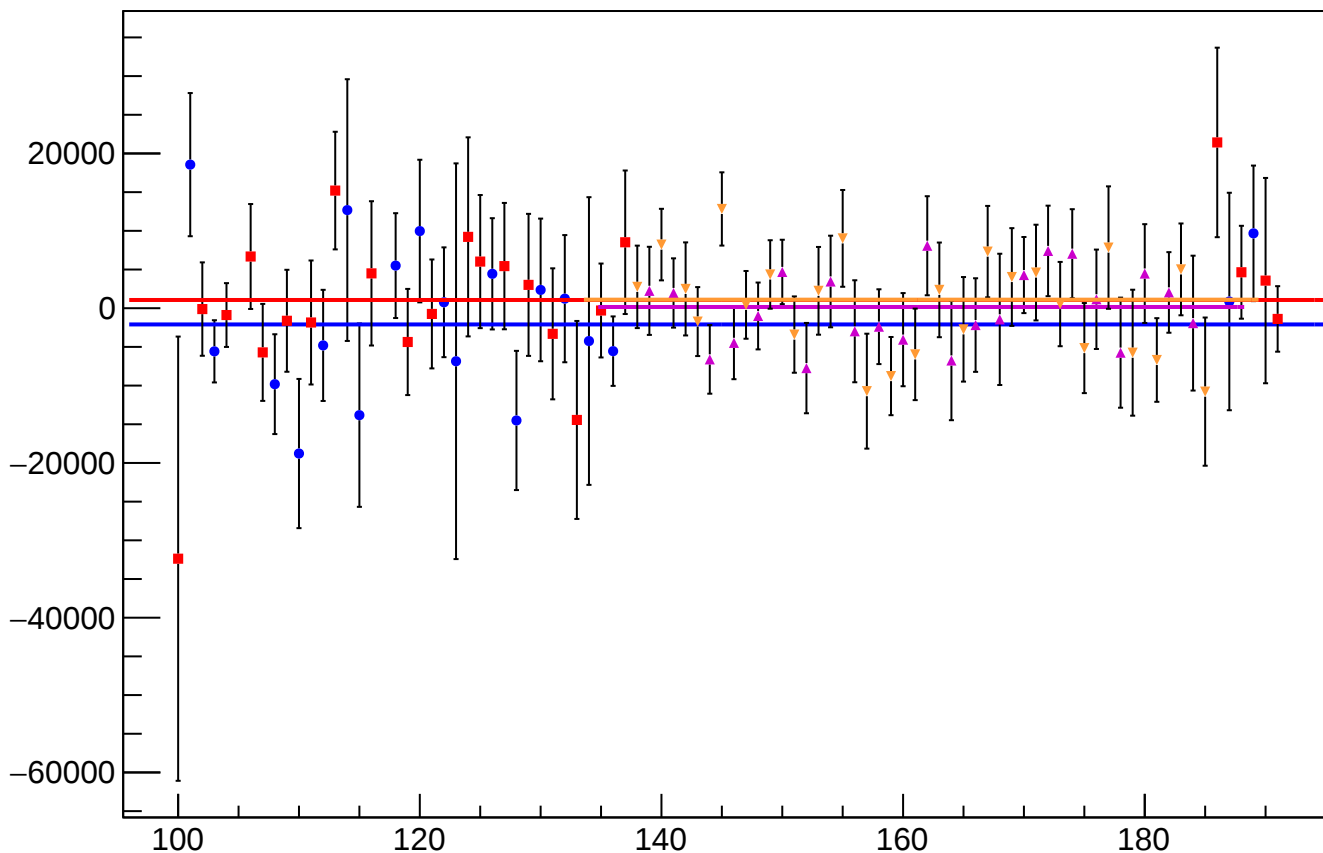
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4166.656+/-0.598 χ^2/NDF : 2312019.9/43

All: 118.133+/-0.060 χ^2/NDF : 99107675.0/89

- sign 76.730+/-0.060 χ^2/NDF : 50530394.6/45

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: 1063.058 ± 1499.596 χ^2/NDF : 15.1/22

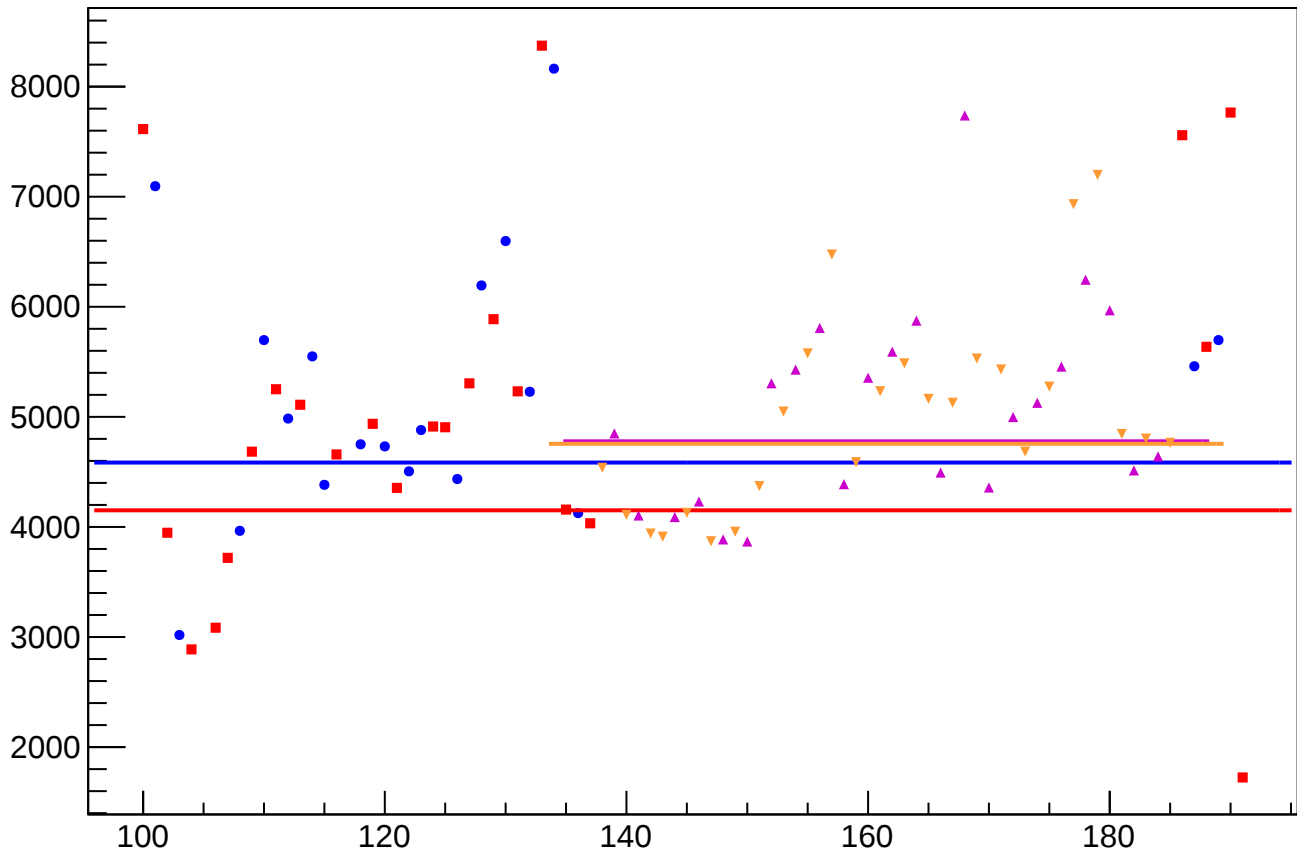
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 173.587 ± 949.162 χ^2/NDF : 51.7/43

All: 341.053 ± 659.968 χ^2/NDF : 82.6/89

- sign 497.796 ± 918.274 χ^2/NDF : 30.8/45

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

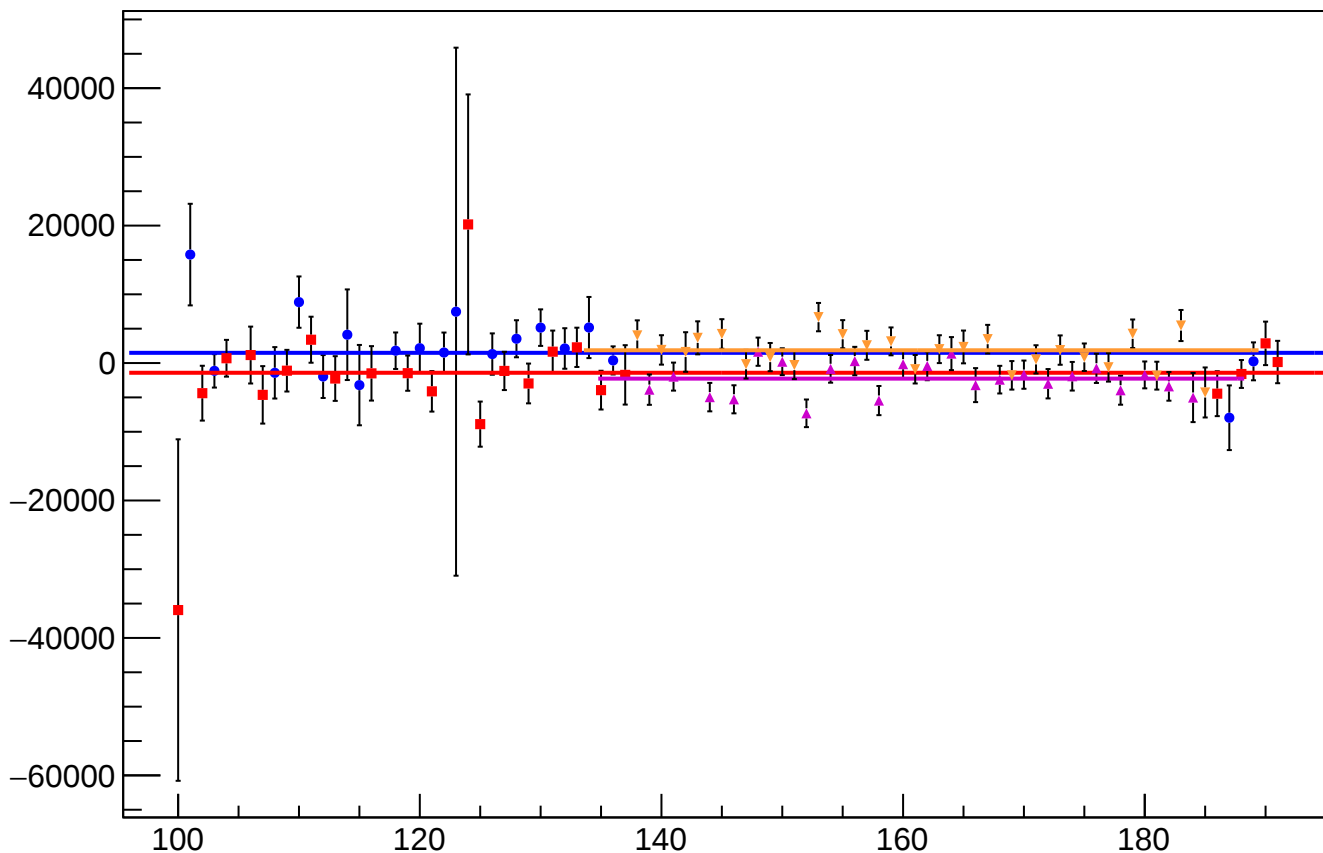
Right Out: 4151.109+/-1.056 χ^2 /NDF: 1870801.5/22

All: 4620.882+/-0.466 χ^2 /NDF: 4857250.7/89

- sign 4541.540+/-0.648 χ^2 /NDF: 3040629.8/45

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: -1415.245+/-668.664 χ^2/NDF : 20.3/22

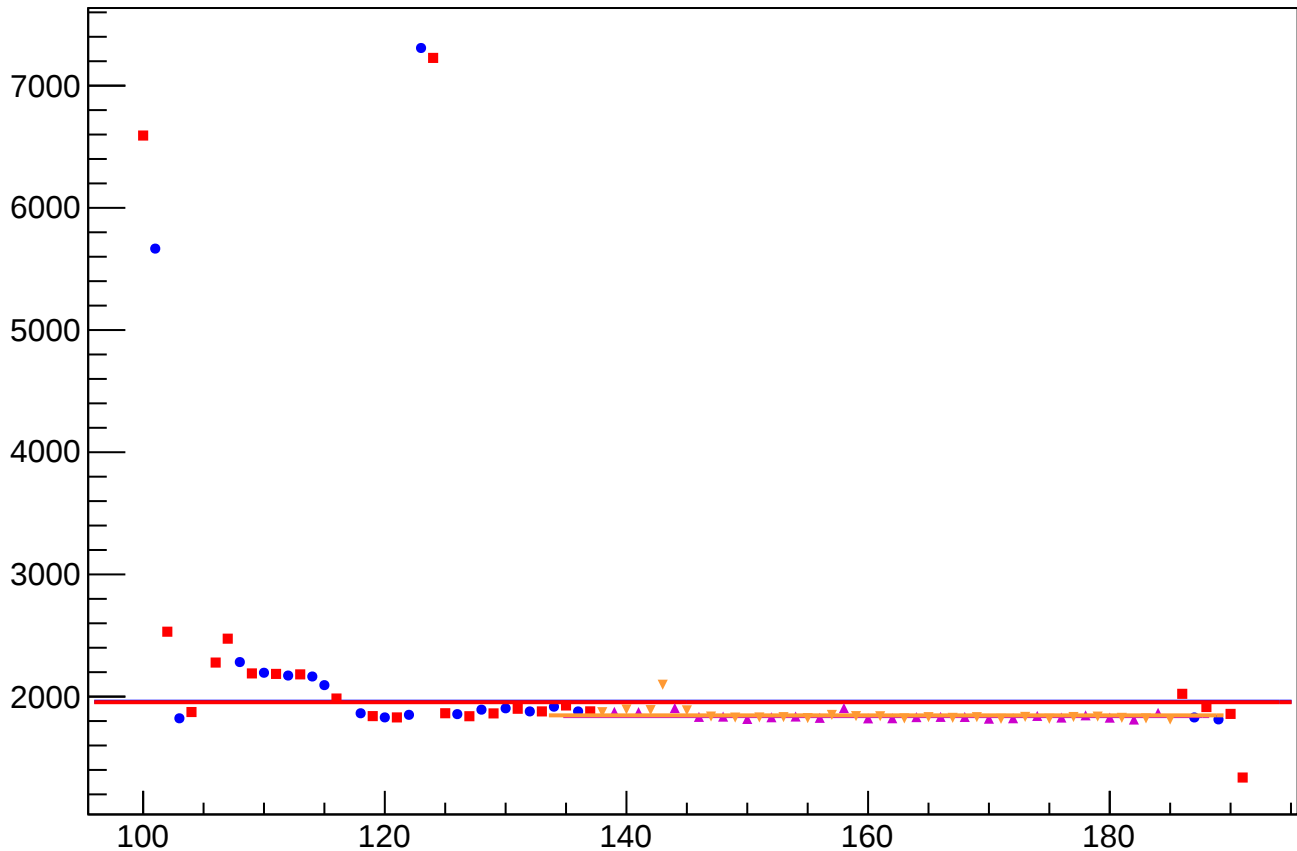
Left In: -2268.464+/-441.710 χ^2/NDF : 26.9/22

+ sign 1764.057+/-373.201 χ^2/NDF : 49.4/43

All: -146.225+/-262.235 χ^2/NDF : 149.5/89

- sign -2009.254+/-368.556 χ^2/NDF : 48.3/45

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: 1954.273 $\pm$ 0.473 χ^2 /NDF: 444158.1/22

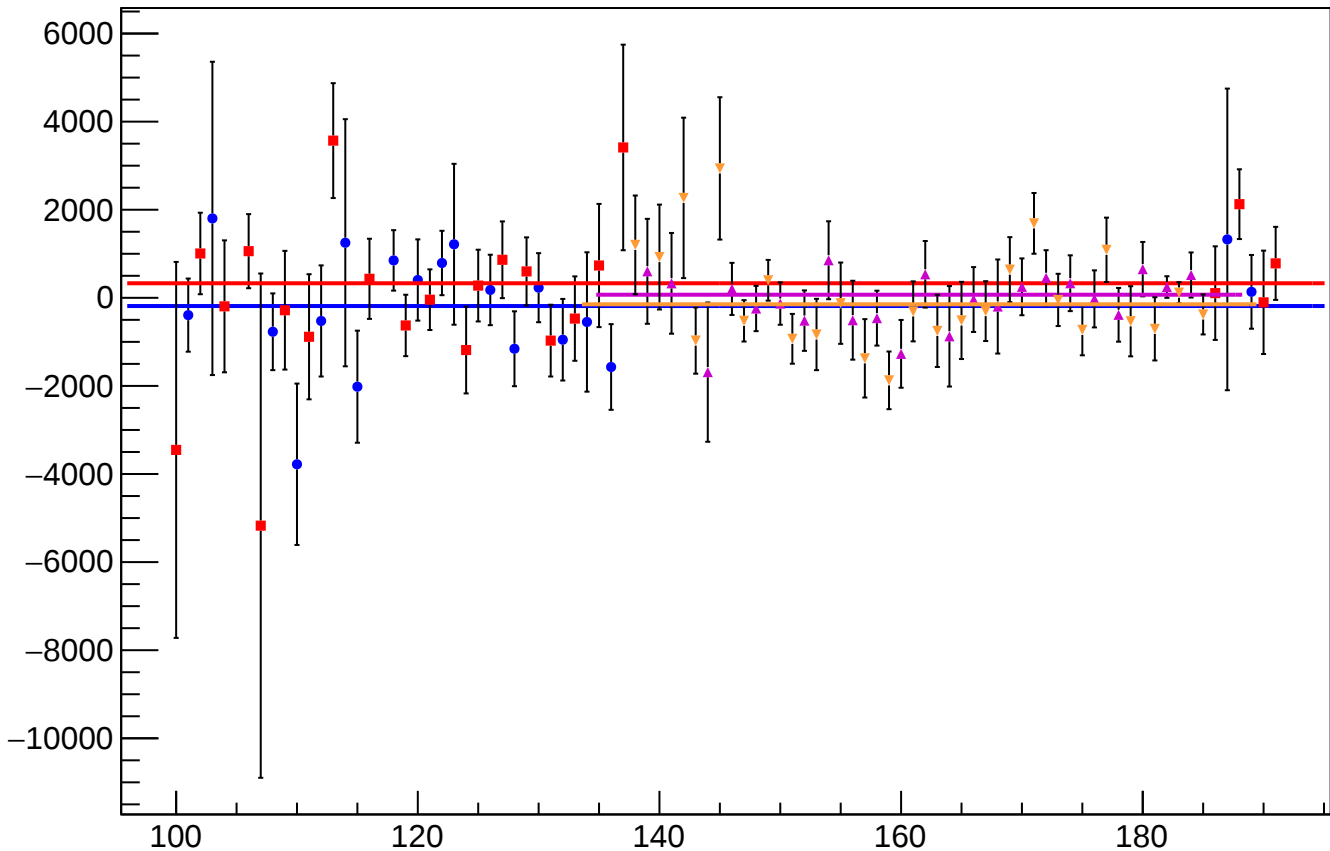
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF:6740.2/22

+ sign 1874.580 $\pm$ 0.264 χ^2 /NDF: 668667.8/43

All: 1874.840 $\pm$ 0.185 χ^2 /NDF: 1159849.7/89

- sign 1875.093 $\pm$ 0.261 χ^2 /NDF: 491179.9/45

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: 330.420+/-205.829 χ^2/NDF : 26.0/22

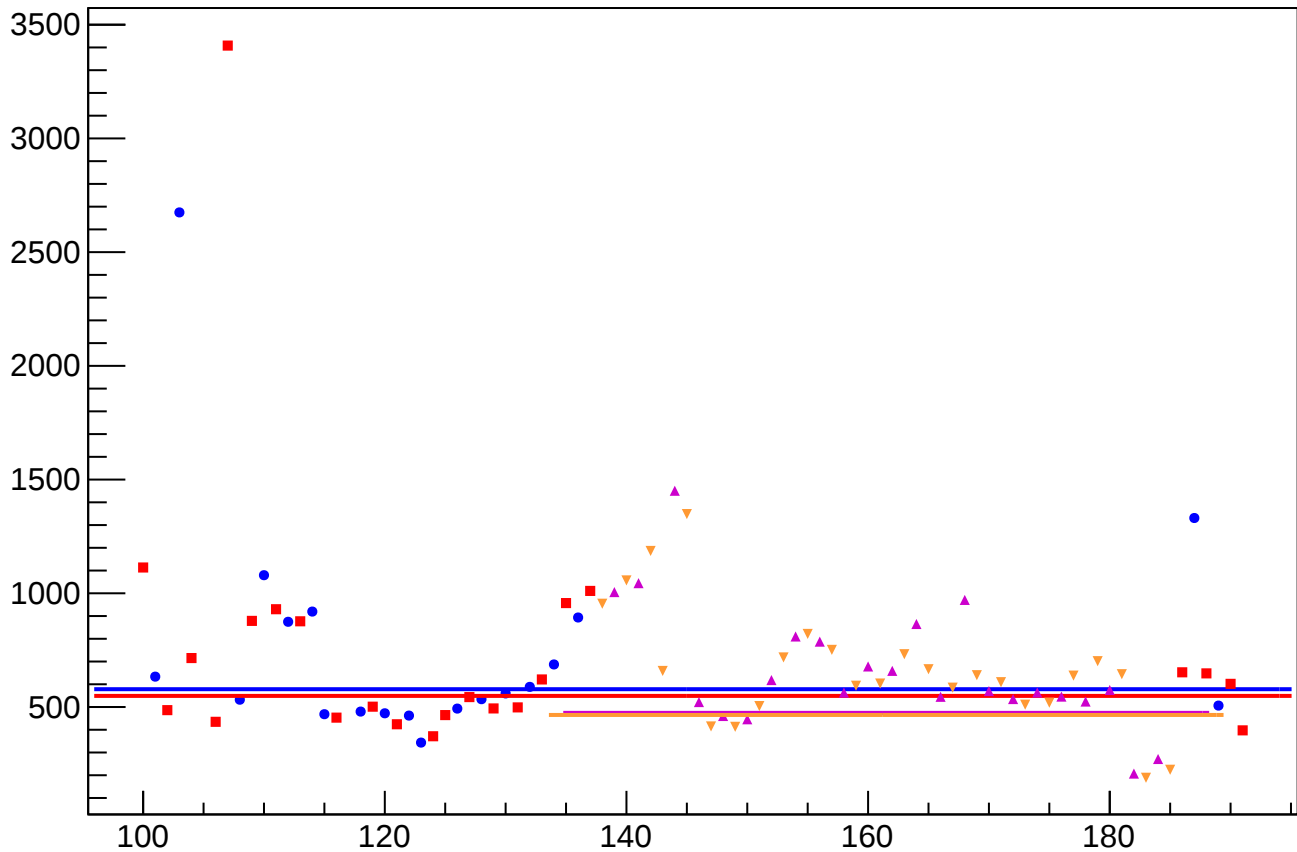
Left In: 70.340+/-126.373 χ^2/NDF : 12.3/22

+ sign -155.606+/-107.894 χ^2/NDF : 54.7/43

All: -6.758+/-76.222 χ^2/NDF : 98.0/89

- sign 141.540+/-107.695 χ^2/NDF : 39.4/45

asym_at1_avg_correction_rms vs Slug



Right In: 578.333+/-0.164 χ^2/NDF : 1525403.5/18

Left Out: 465.080+/-0.086 χ^2/NDF : 7086137.6/24

Right Out: 548.867+/-0.146 χ^2/NDF : 1577255.5/22

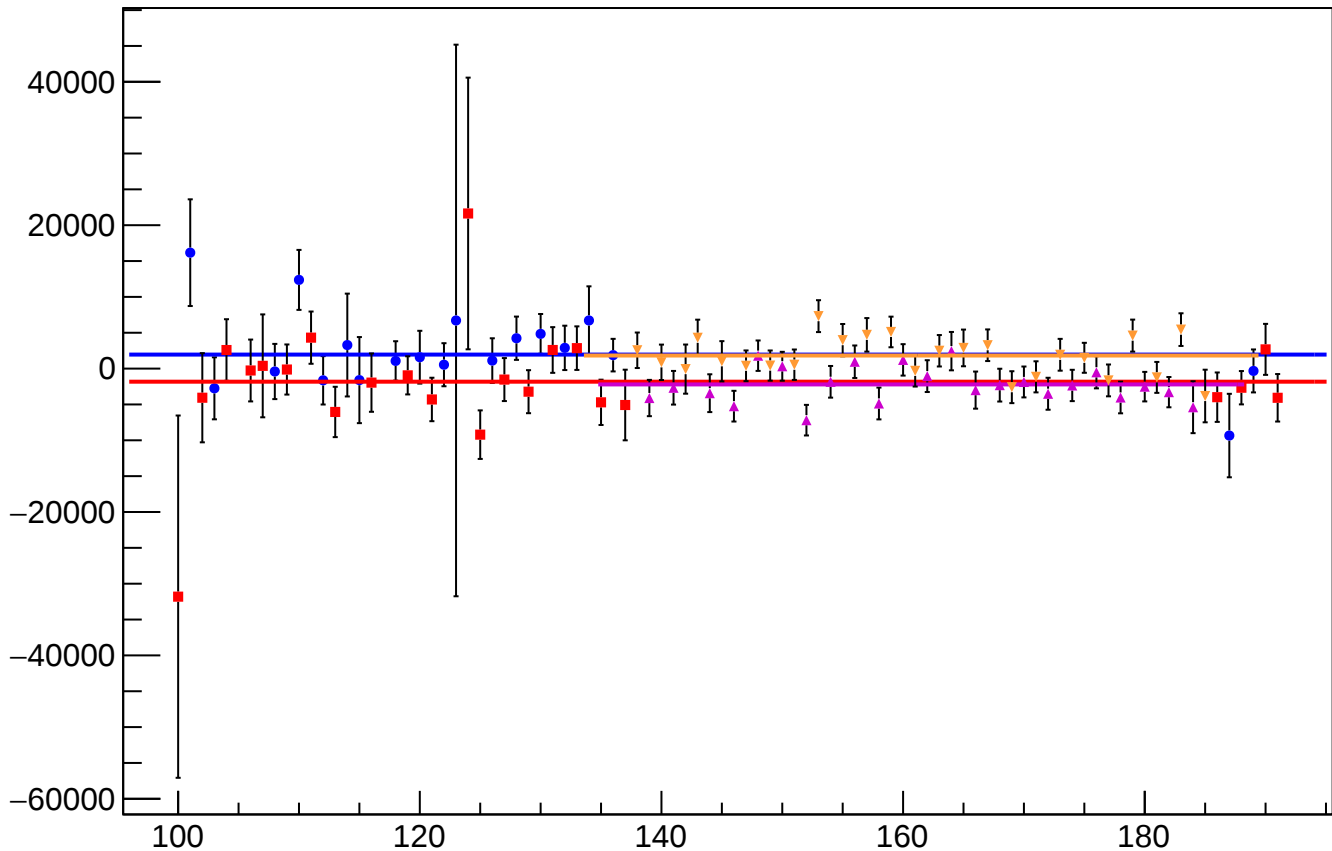
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 489.733+/-0.076 χ^2/NDF : 8986800.8/43

All: 492.214+/-0.054 χ^2/NDF : 16930090.2/89

- sign 494.687+/-0.076 χ^2/NDF : 7941177.4/45

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: -1825.598+/-744.560 χ^2/NDF : 22.8/22

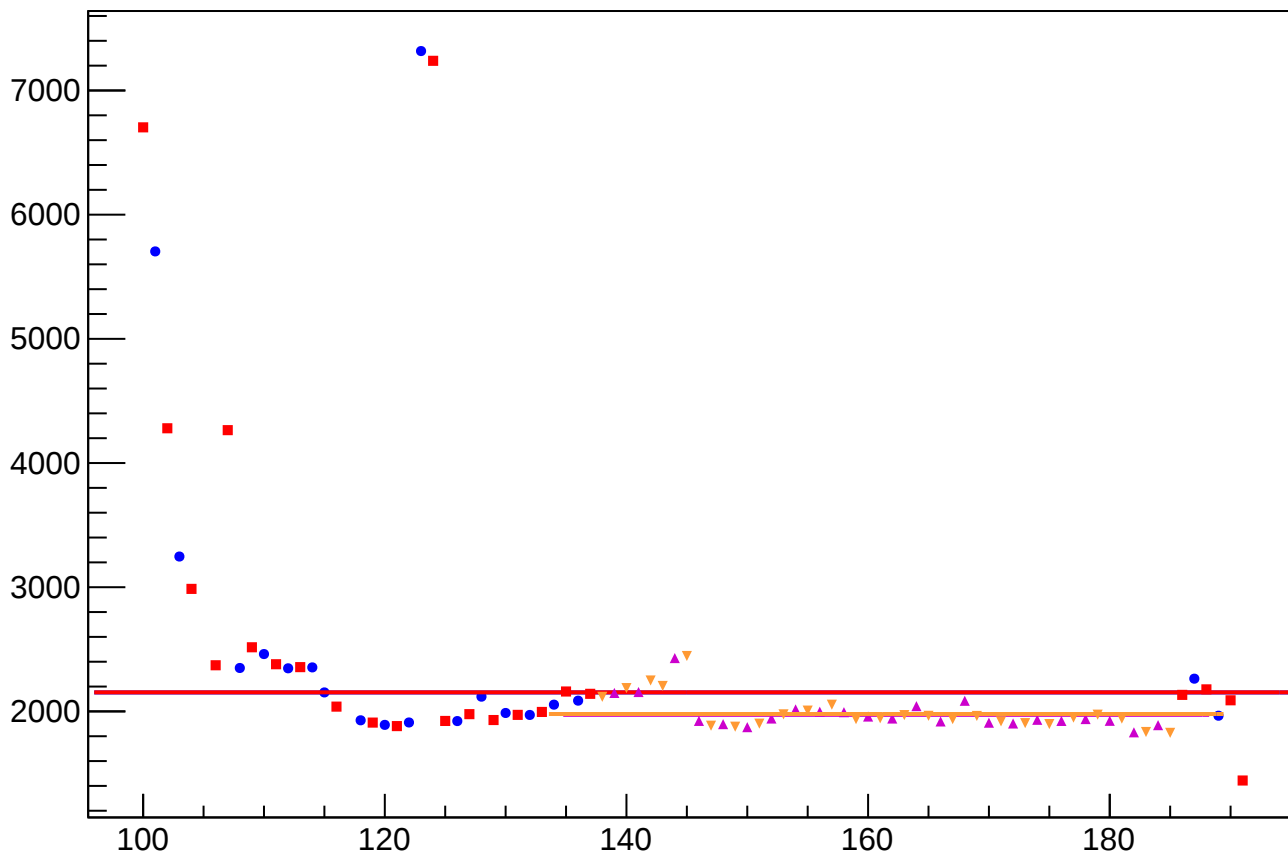
Left In: -2208.114+/-474.050 χ^2/NDF : 25.3/22

+ sign 1855.319+/-403.357 χ^2/NDF : 52.6/43

All: -138.343+/-283.979 χ^2/NDF : 149.3/89

- sign -2097.780+/-399.880 χ^2/NDF : 48.3/45

asym_at1_avg_rms vs Slug



Right In: 2152.396 $\pm$ 0.582 χ^2 /NDF: 716804.1/18

Left Out: 1978.997 $\pm$ 0.327 χ^2 /NDF:139299.8/24

Right Out: 2153.514 $\pm$ 0.526 χ^2 /NDF: 898493.6/22

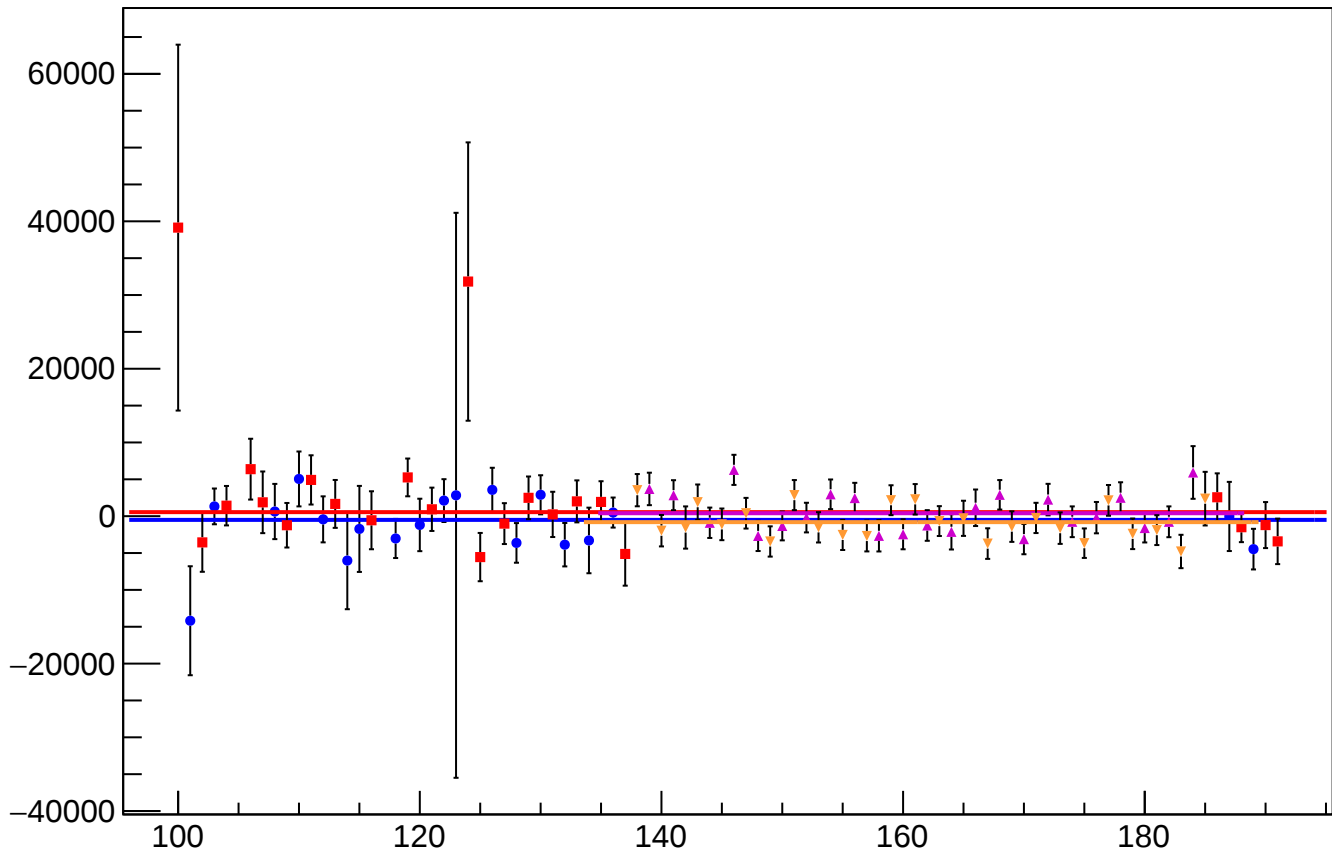
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2020.620 $\pm$ 0.285 χ^2 /NDF: 923528.1/43

All: 2022.564 $\pm$ 0.201 χ^2 /NDF: 2022990.5/89

- sign 2024.475 $\pm$ 0.283 χ^2 /NDF: 1099370.2/45

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: 547.222 ± 666.780 χ^2/NDF : 23.9/22

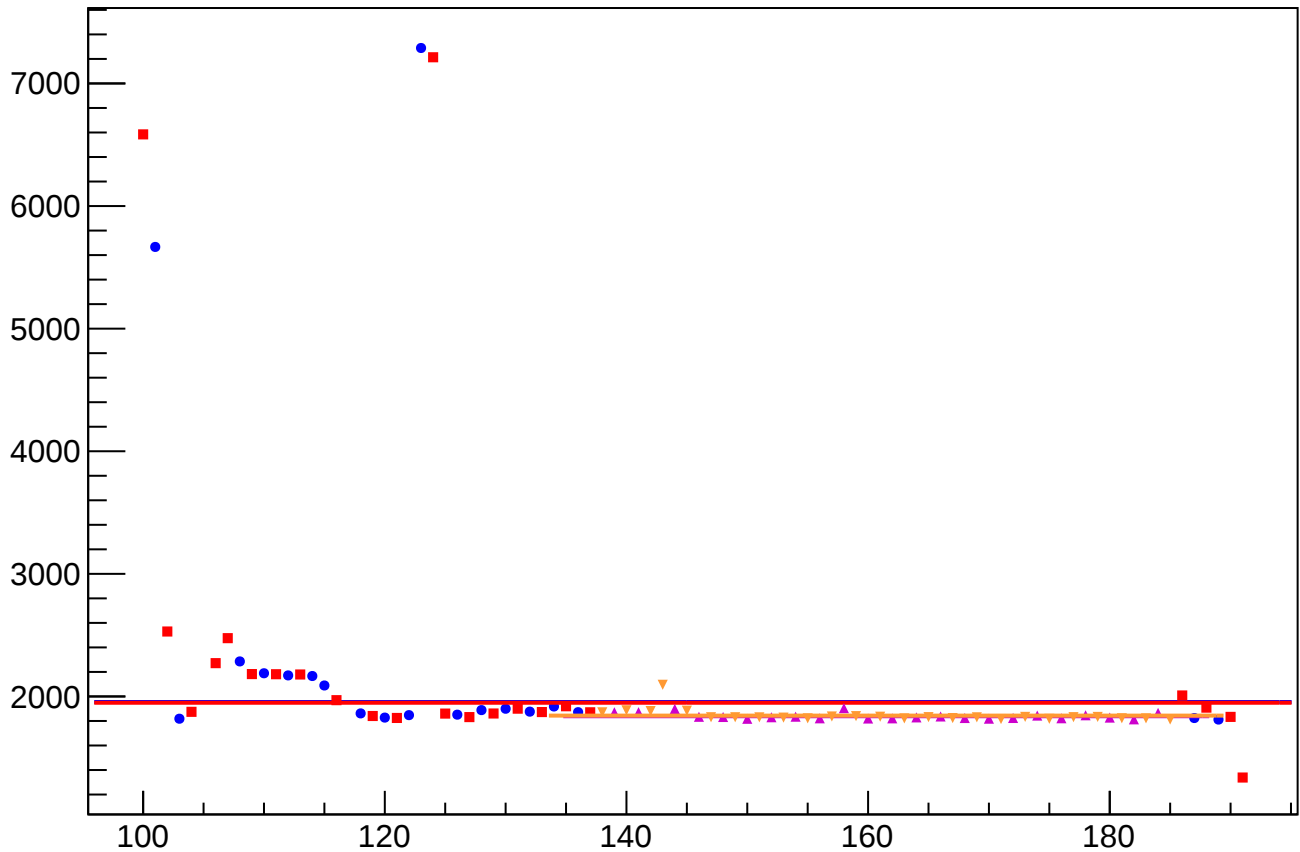
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -732.123 ± 372.594 χ^2/NDF : 45.7/43

All: -136.718 ± 261.814 χ^2/NDF : 109.1/89

- sign 444.000 ± 367.971 χ^2/NDF : 58.4/45

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: 1948.722 $\pm$ 0.471 χ^2 /NDF: 444224.6/22

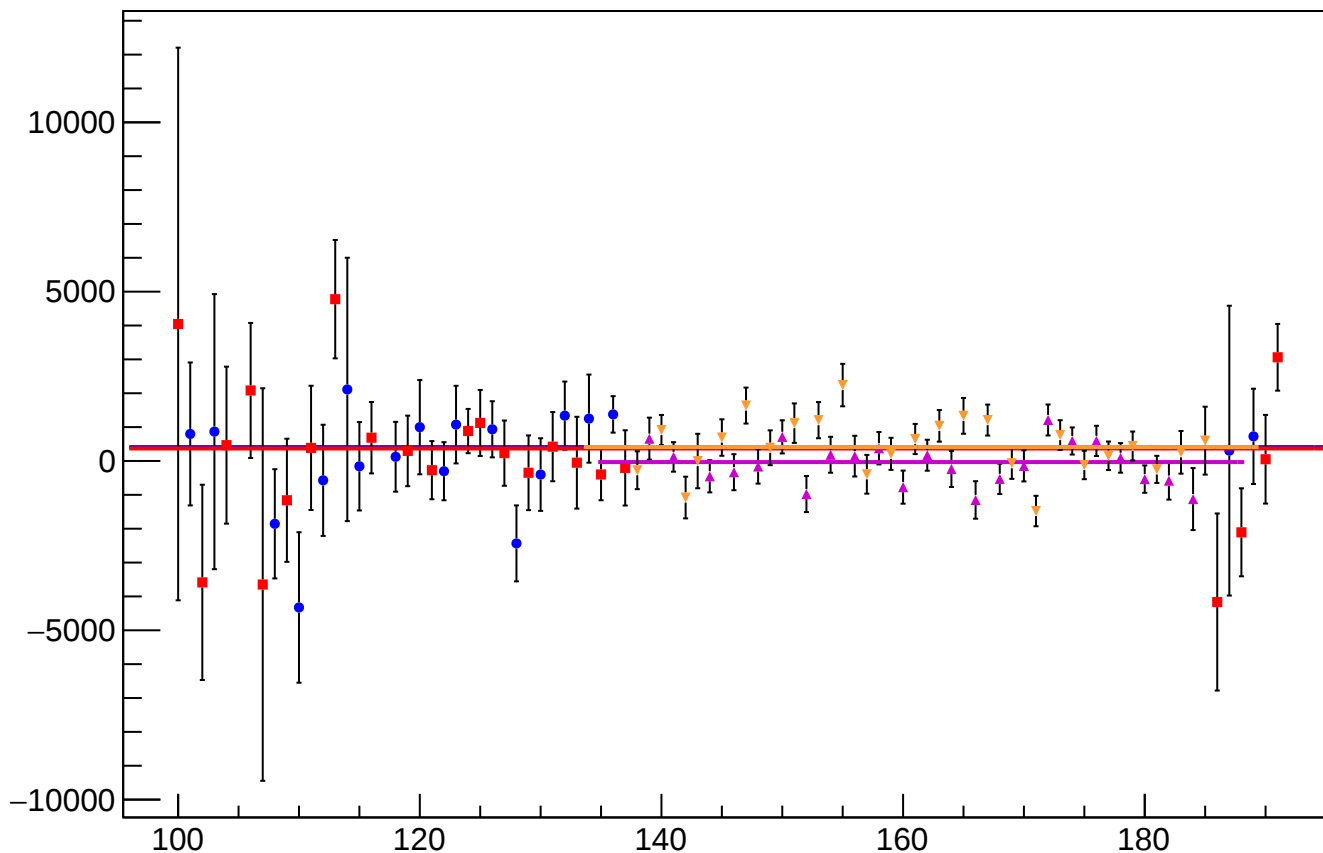
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1871.511 $\pm$ 0.263 χ^2 /NDF: 669851.6/43

All: 1871.832 $\pm$ 0.185 χ^2 /NDF: 1158344.7/89

- sign 1872.146 $\pm$ 0.260 χ^2 /NDF: 488490.1/45

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: 368.997 $\pm$ 247.005 χ^2 /NDF: 28.2/22

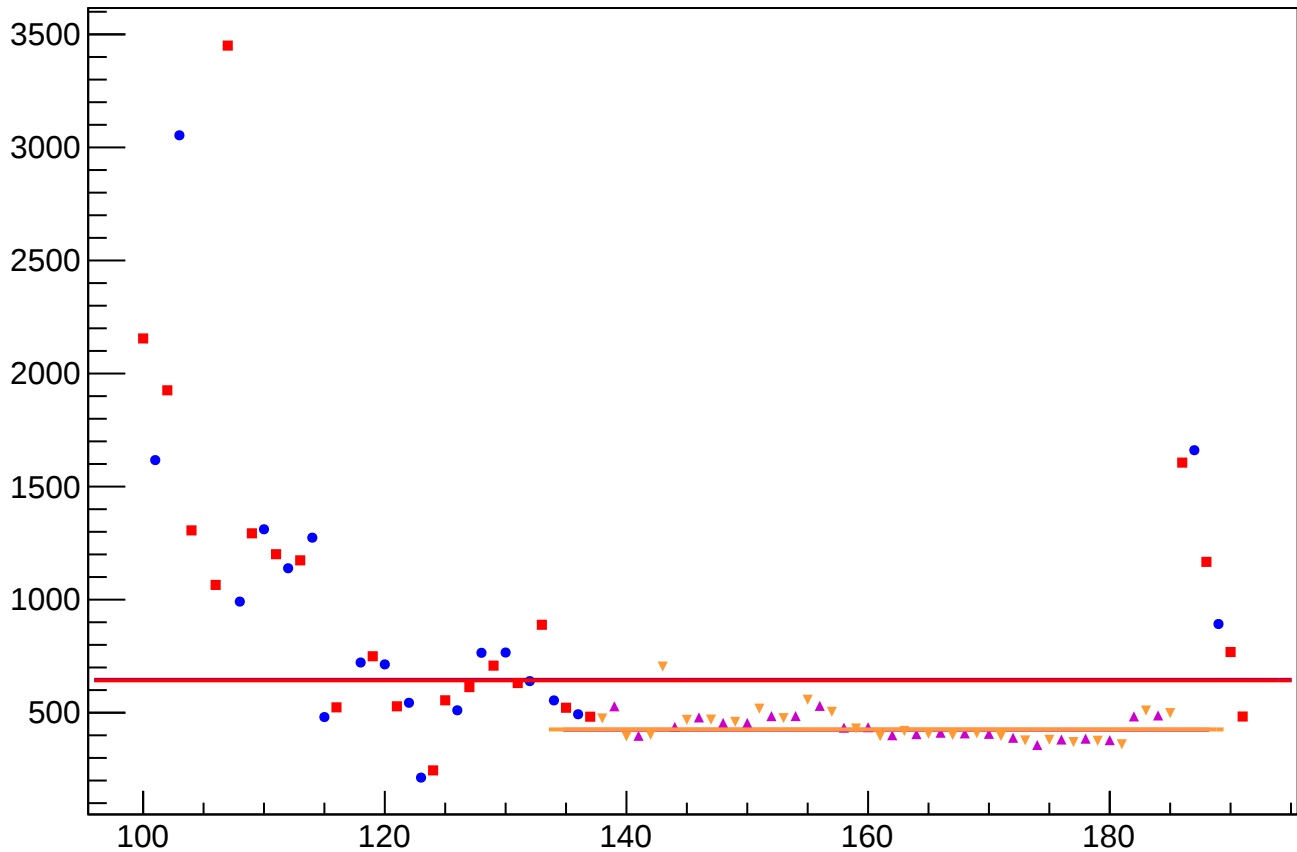
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 410.700 $\pm$ 93.957 χ^2 /NDF: 81.7/43

All: 219.865 $\pm$ 66.662 χ^2 /NDF: 153.2/89

- sign 26.424 $\pm$ 94.596 χ^2 /NDF: 63.2/45

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: 643.117 $\pm$ 0.175 χ^2 /NDF: 3488180.8/22

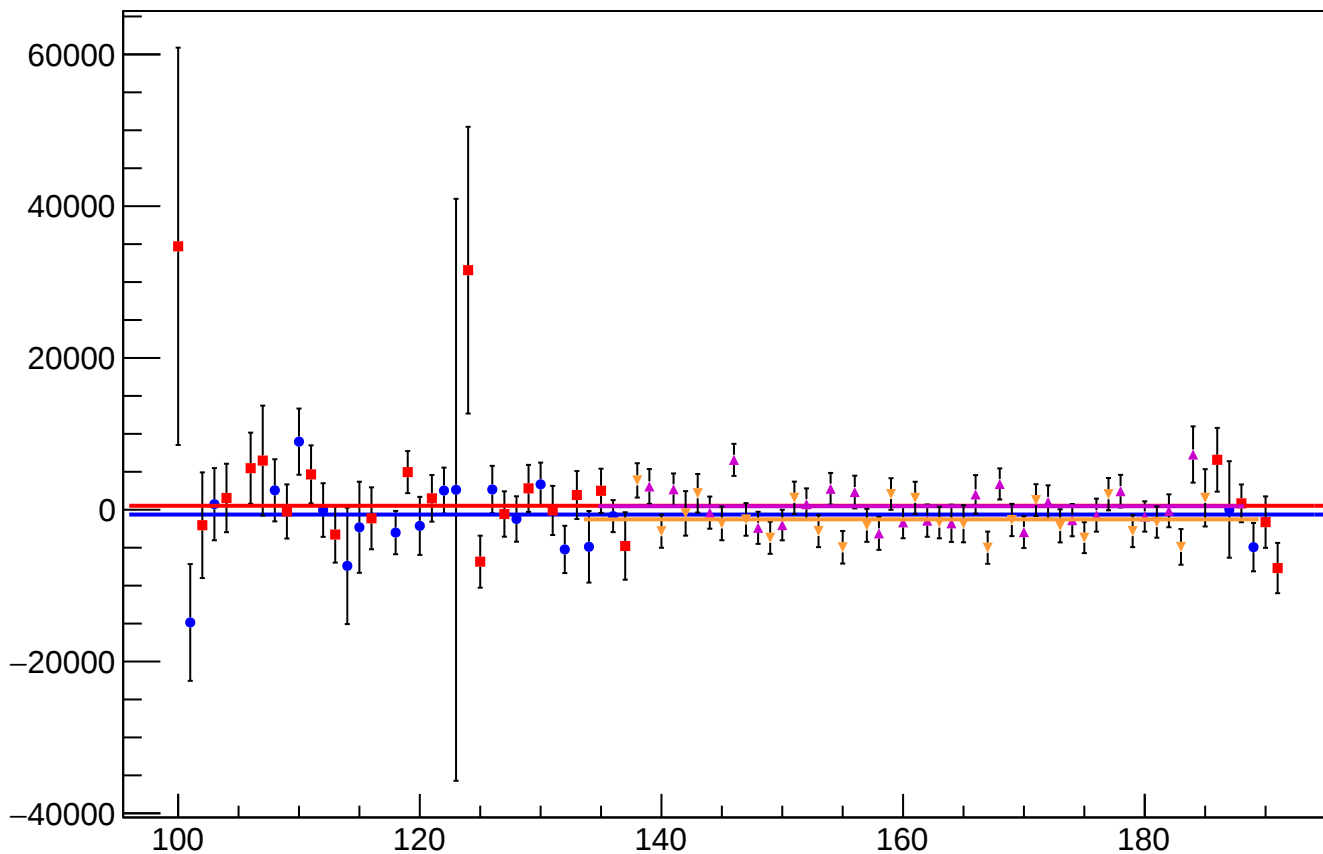
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 453.485 $\pm$ 0.066 χ^2 /NDF: 4363825.8/43

All: 455.073 $\pm$ 0.047 χ^2 /NDF: 9579985.6/89

- sign 456.682 $\pm$ 0.067 χ^2 /NDF: 5215009.6/45

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: 523.400 ± 763.176 χ^2/NDF : 27.5/22

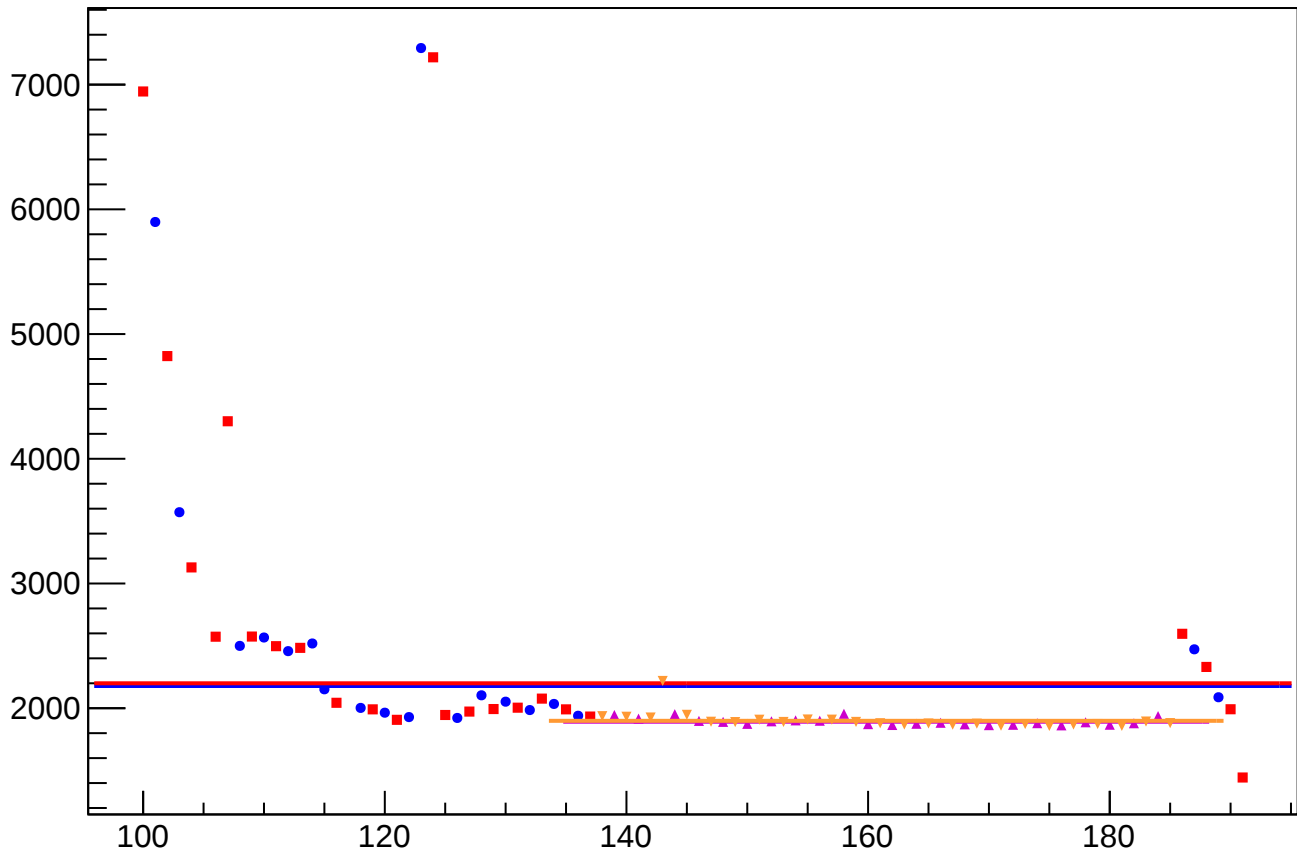
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1128.910 ± 391.581 χ^2/NDF : 50.9/43

All: -322.260 ± 276.381 χ^2/NDF : 119.5/89

- sign 478.489 ± 390.146 χ^2/NDF : 60.1/45

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: 2199.886+/-0.540 χ^2/NDF : 1029708.8/22

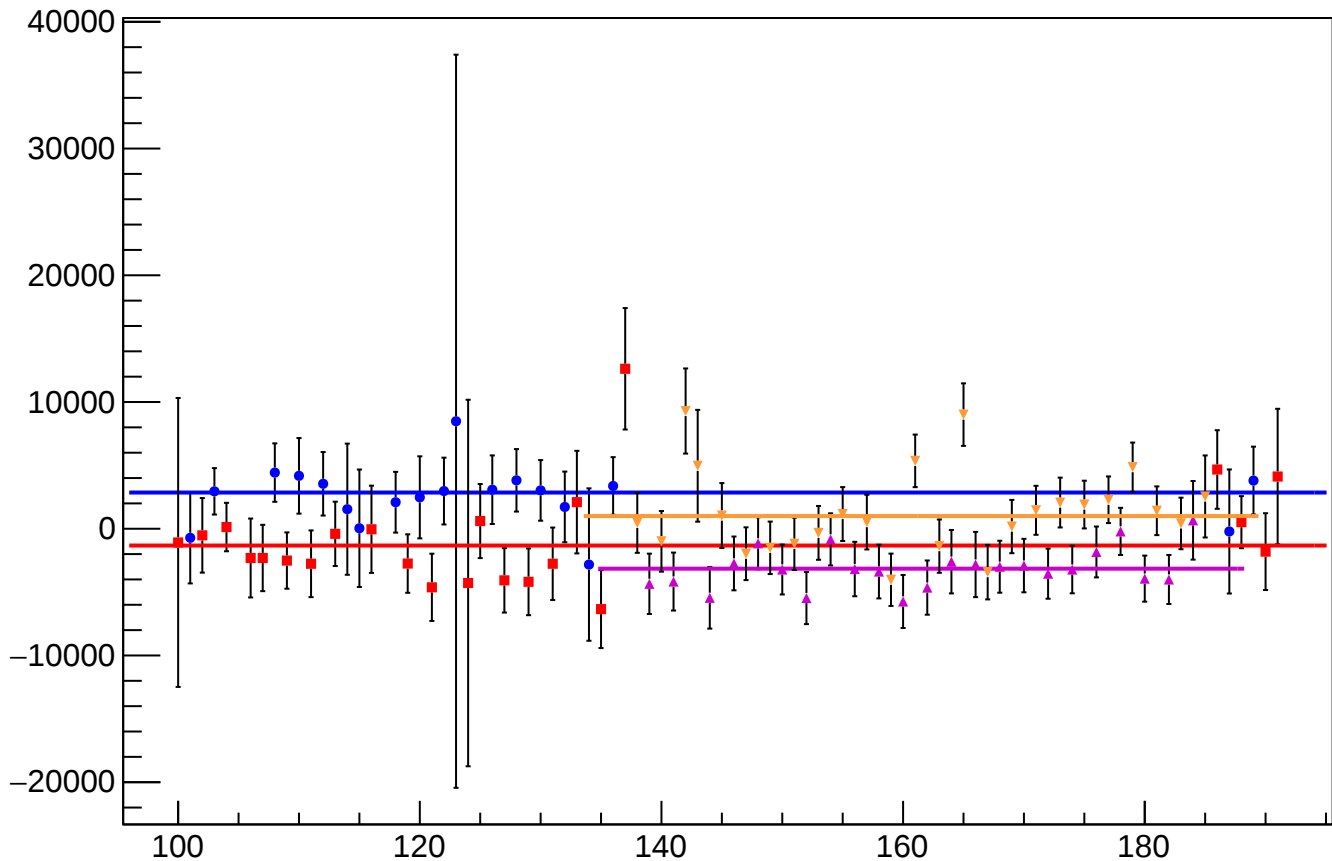
Left In: 1891.693+/-0.321 χ^2/NDF : 7420.7/22

+ sign 1960.257+/-0.277 χ^2/NDF : 1019709.6/43

All: 1966.268+/-0.195 χ^2/NDF : 2298699.0/89

- sign 1972.236+/-0.276 χ^2/NDF : 1278050.1/45

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: -1324.853 ± 597.407 χ^2/NDF : 24.2/22

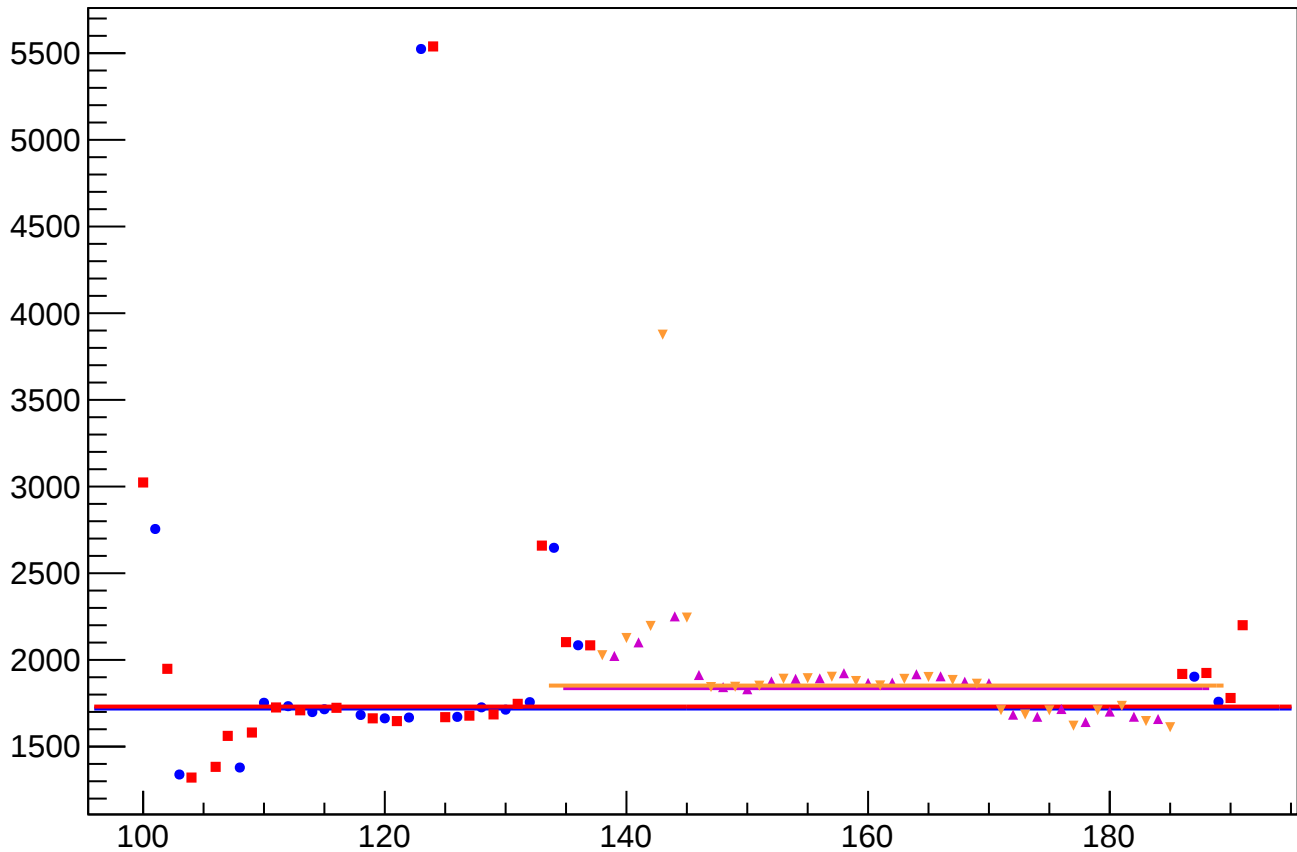
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1571.312 ± 362.281 χ^2/NDF : 54.3/43

All: -509.563 ± 253.513 χ^2/NDF : 161.1/89

- sign -2506.244 ± 354.877 χ^2/NDF : 42.1/45

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: 1730.819+/-0.422 χ^2/NDF : 502421.2/22

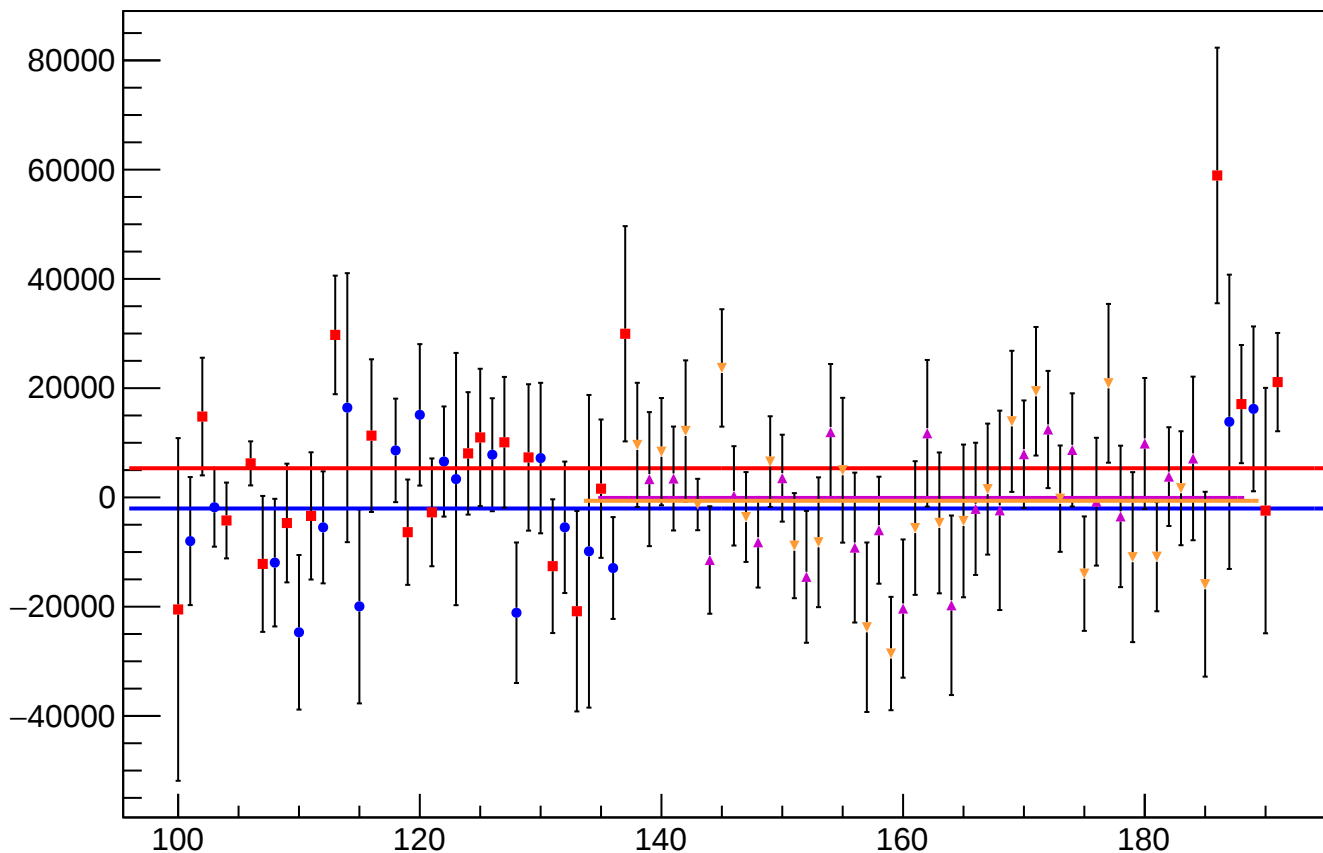
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1811.306+/-0.256 χ^2/NDF : 1141450.7/43

All: 1805.347+/-0.179 χ^2/NDF : 1886448.5/89

- sign 1799.629+/-0.251 χ^2/NDF : 743937.4/45

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: 5341.096 ± 2137.793 $\chi^2/\text{NDF}: 30.1/22$

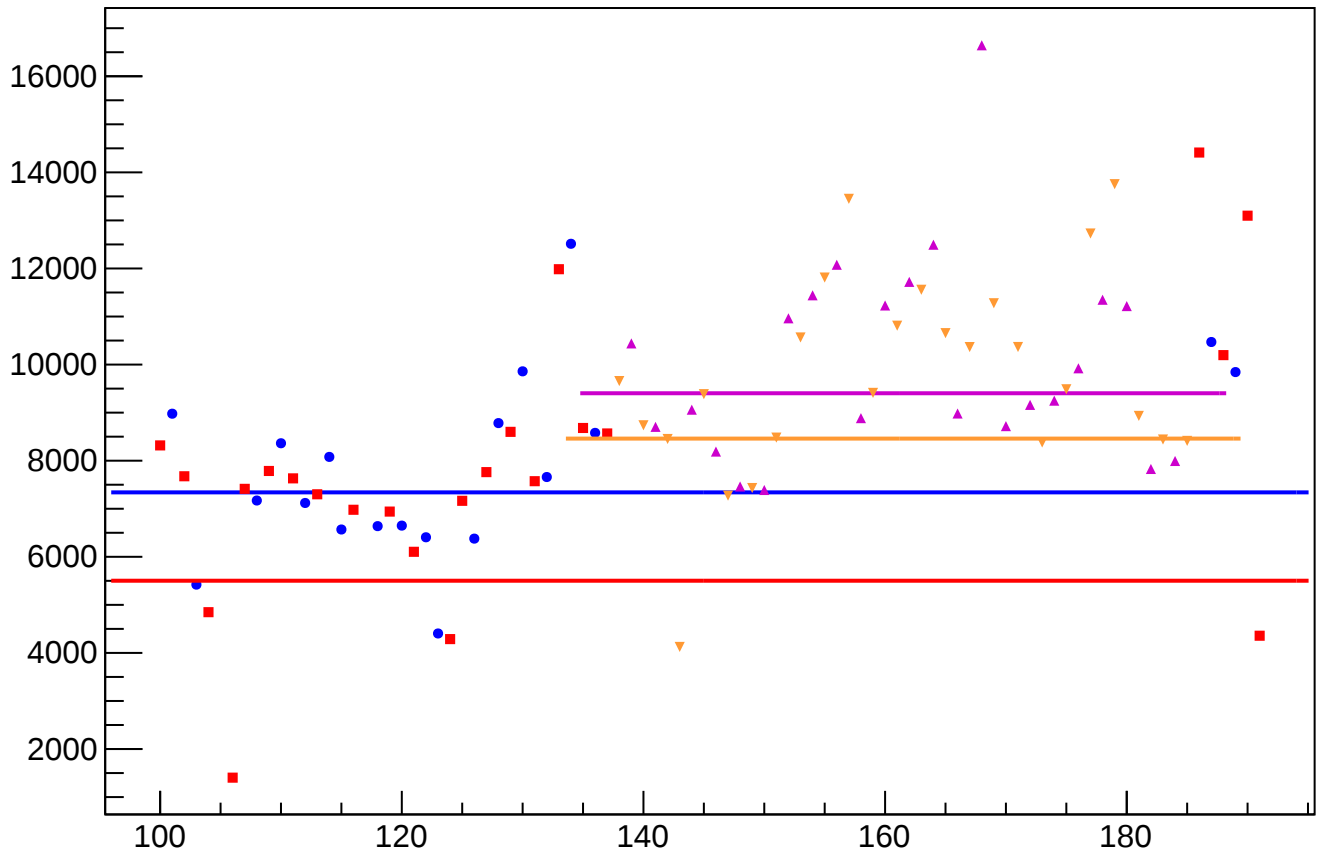
Left In: -93.334 ± 2293.826 $\chi^2/\text{NDF}: 14.6/22$

+ sign -1118.020 ± 1663.233 $\chi^2/\text{NDF}: 46.2/43$

All: 969.424 ± 1139.344 $\chi^2/\text{NDF}: 96.9/89$

- sign 2814.985 ± 1563.903 $\chi^2/\text{NDF}: 47.7/45$

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: 5502.261+/-1.512 χ^2/NDF : 4157914.3/22

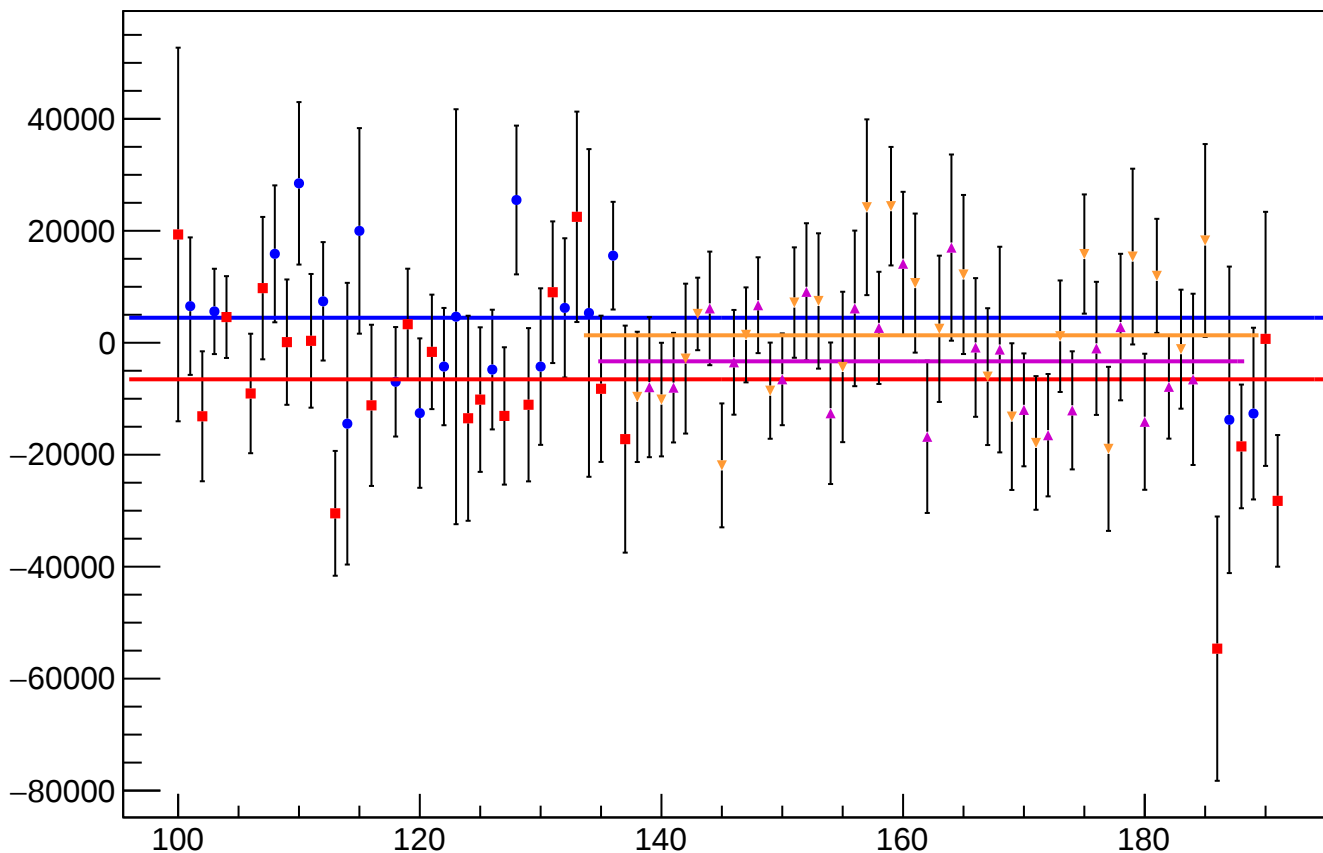
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8063.546+/-1.176 χ^2/NDF : 3851913.4/43

All: 7666.617+/-0.806 χ^2/NDF : 12463068.7/8

- sign 7315.683+/-1.106 χ^2/NDF : 8396541.1/45

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: -6531.304+/-2607.514 χ^2/NDF : 25.2/22

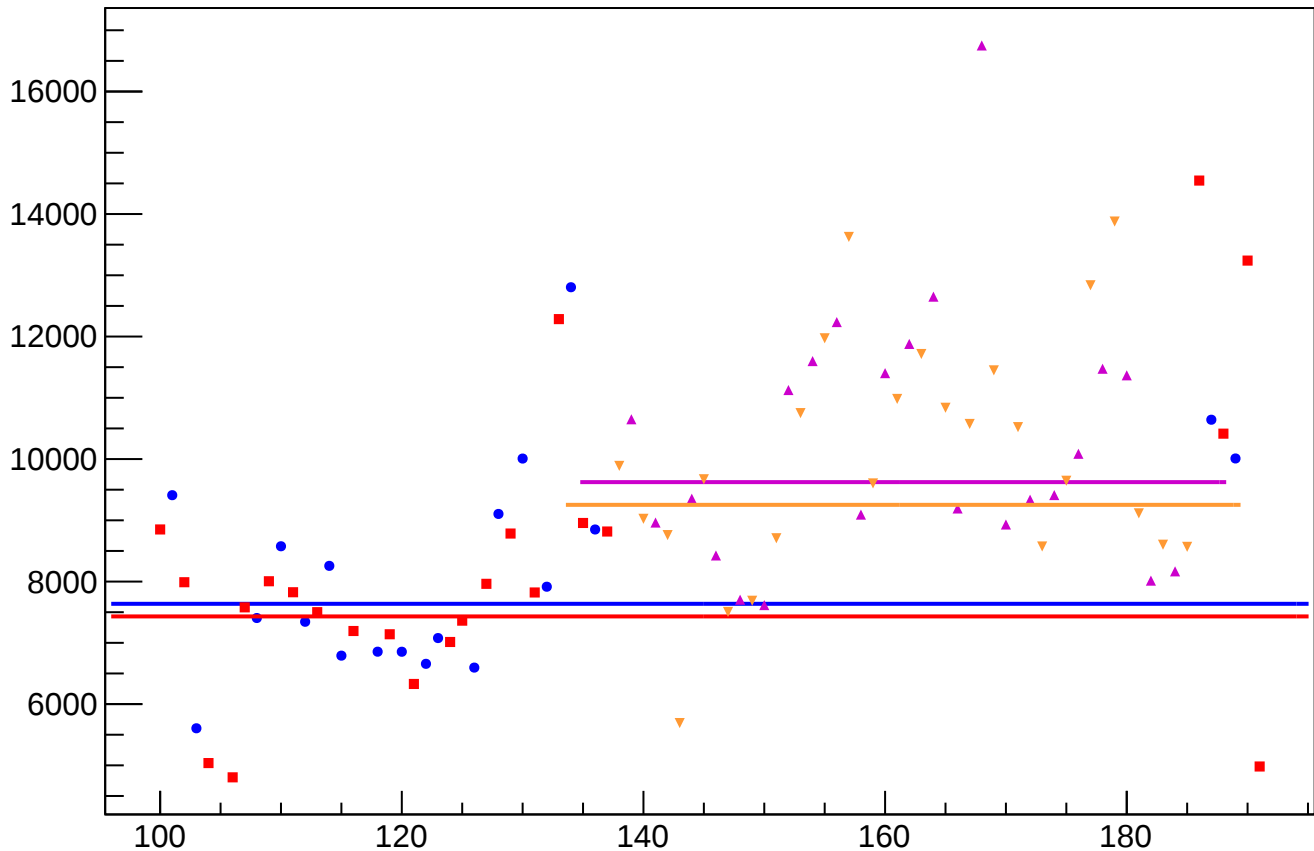
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 2482.809+/-1761.504 χ^2/NDF : 44.2/43

All: -1172.873+/-1239.129 χ^2/NDF : 92.5/89

- sign -4753.891+/-1743.423 χ^2/NDF : 39.8/45

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: 7431.204+/-1.844 χ^2/NDF : 1119352.1/22

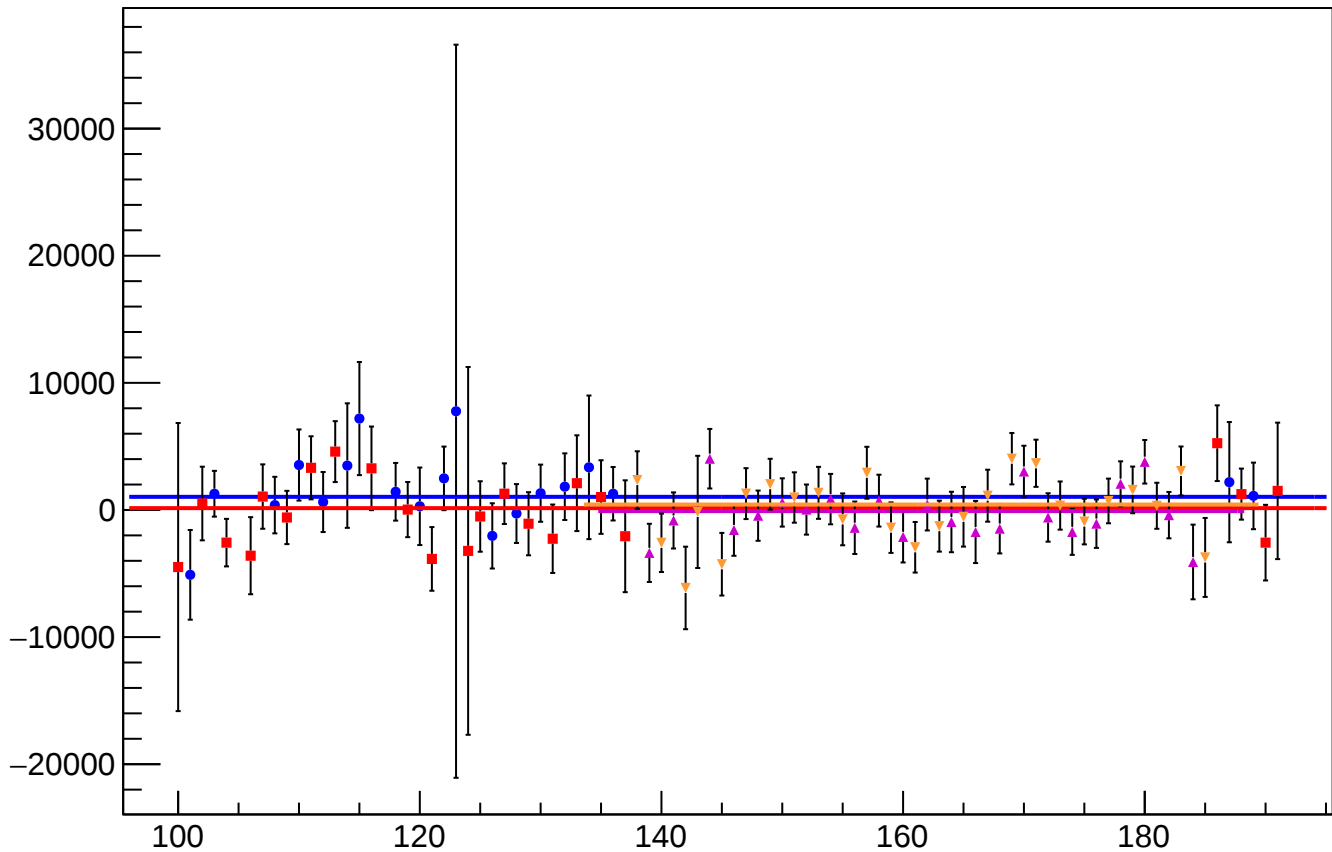
Left In: 9623.485+/-1.658 χ^2/NDF : 1069924.0/22

+ sign 8660.030+/-1.246 χ^2/NDF : 2494040.0/43

All: 8651.584+/-0.876 χ^2/NDF : 5465238.3/89

- sign 8643.312+/-1.233 χ^2/NDF : 2971107.4/45

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: 144.674 ± 570.999 χ^2/NDF : 18.7/22

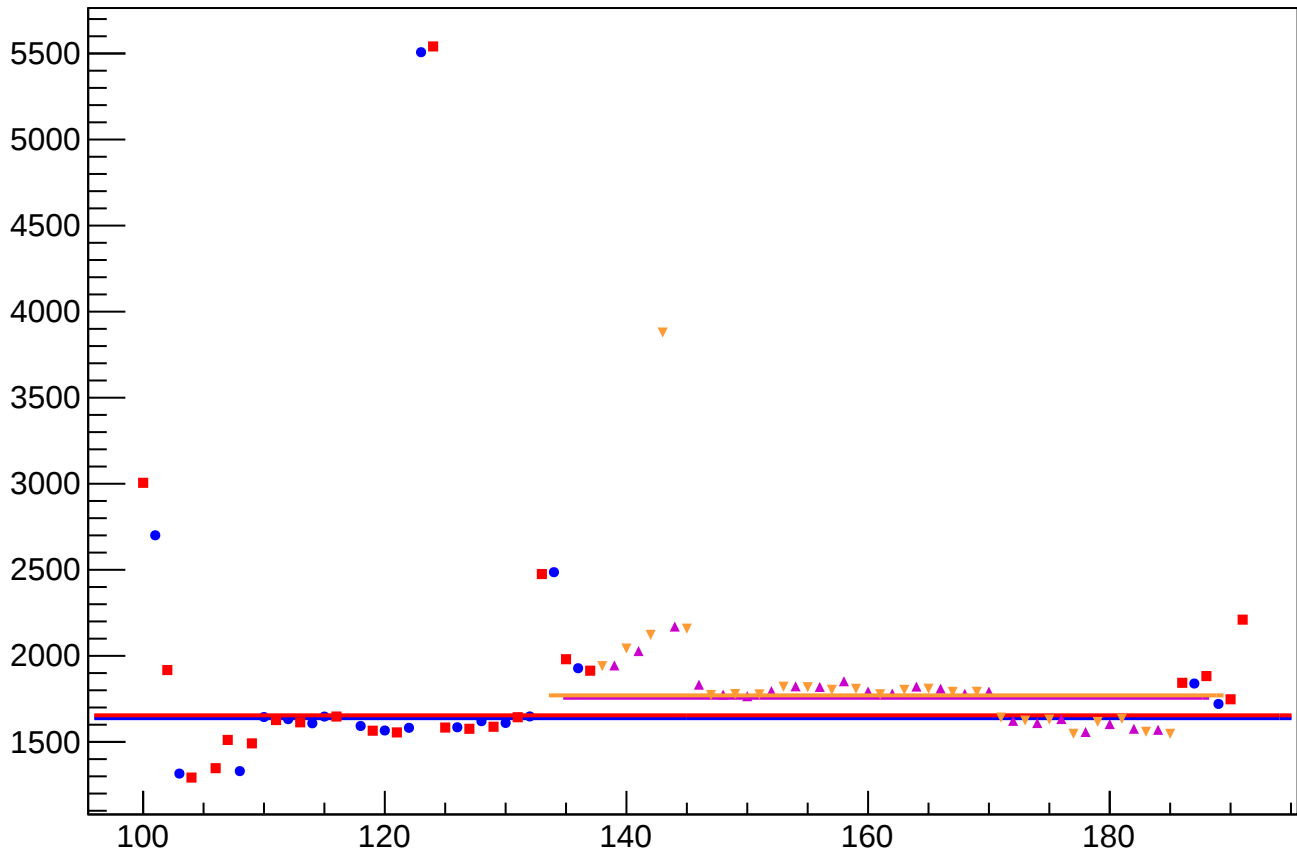
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 616.272 ± 346.049 χ^2/NDF : 38.1/43

All: 299.027 ± 242.291 χ^2/NDF : 79.5/89

- sign -6.059 ± 339.352 χ^2/NDF : 39.8/45

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: 1654.467 $\pm$ 0.404 χ^2 /NDF: 499905.1/22

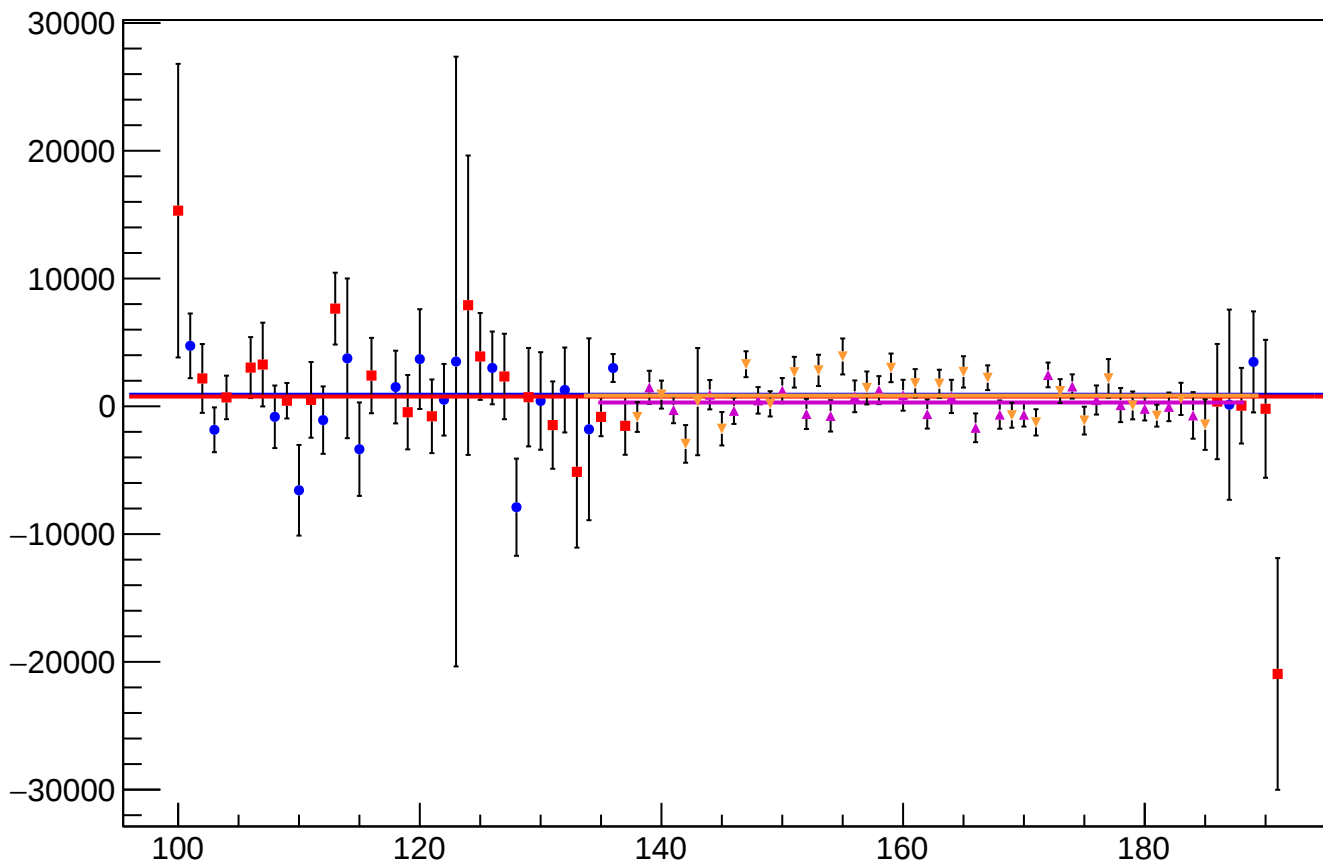
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1729.441 $\pm$ 0.245 χ^2 /NDF: 1174797.1/43

All: 1724.904 $\pm$ 0.171 χ^2 /NDF: 1939859.6/89

- sign 1720.541 $\pm$ 0.240 χ^2 /NDF: 764388.0/45

asym_at2_dd_correction_mean vs Slug



Right In: 906.579 $\pm$ 622.640 χ^2 /NDF: 22.6/18

Left Out: 839.344 $\pm$ 230.465 χ^2 /NDF: 54.4/24

Right Out: 764.185 $\pm$ 569.989 χ^2 /NDF: 21.0/22

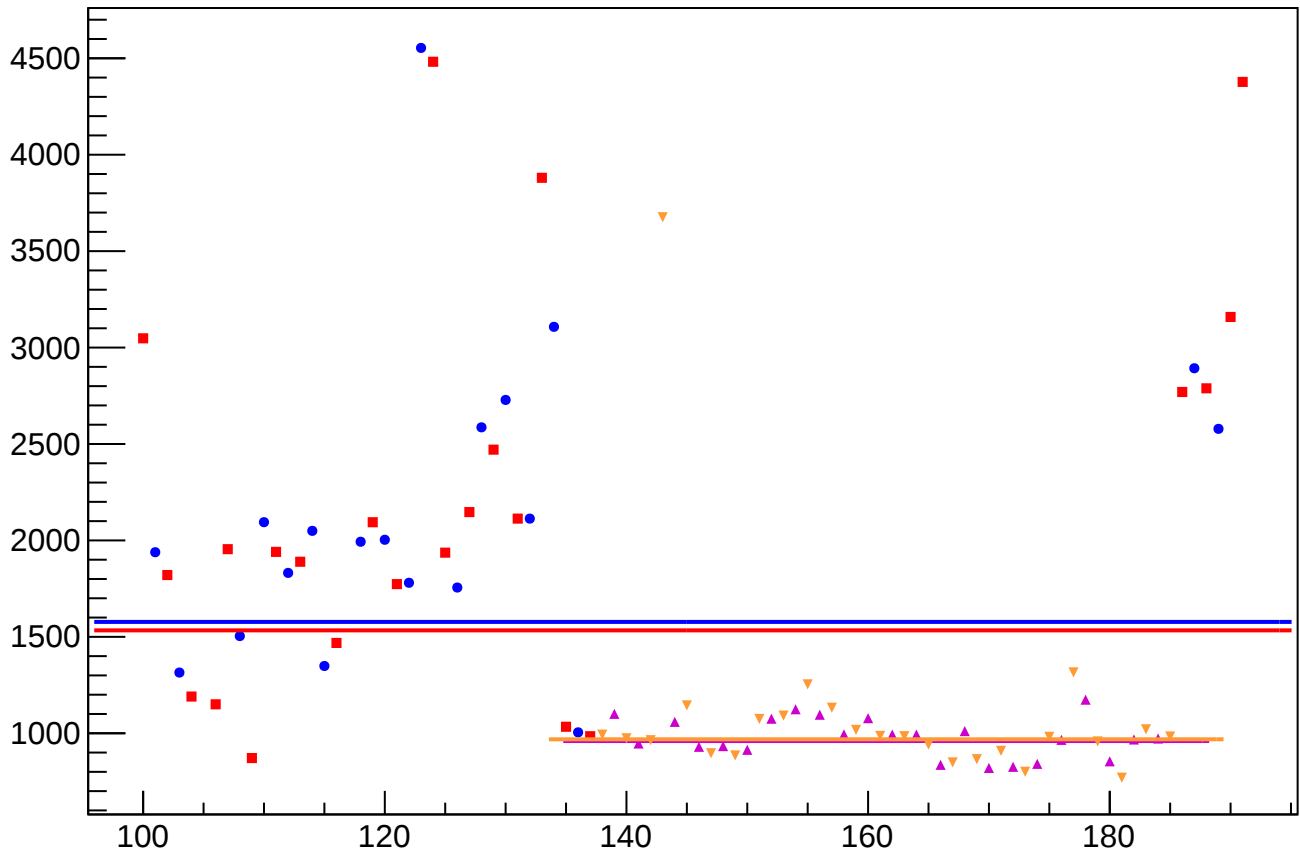
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 847.445 $\pm$ 216.134 χ^2 /NDF: 77.0/43

All: 604.108 $\pm$ 152.215 χ^2 /NDF: 119.4/89

- sign 364.650 $\pm$ 214.405 χ^2 /NDF: 39.9/45

asym_at2_dd_correction_rms vs Slug



Right In: 1577.436 $\pm$ 0.440 χ^2 /NDF: 1490057.1/18

Left Out: 968.712 $\pm$ 0.163 χ^2 /NDF: 1393696.6/24

Right Out: 1533.641 $\pm$ 0.403 χ^2 /NDF: 2771610.2/22

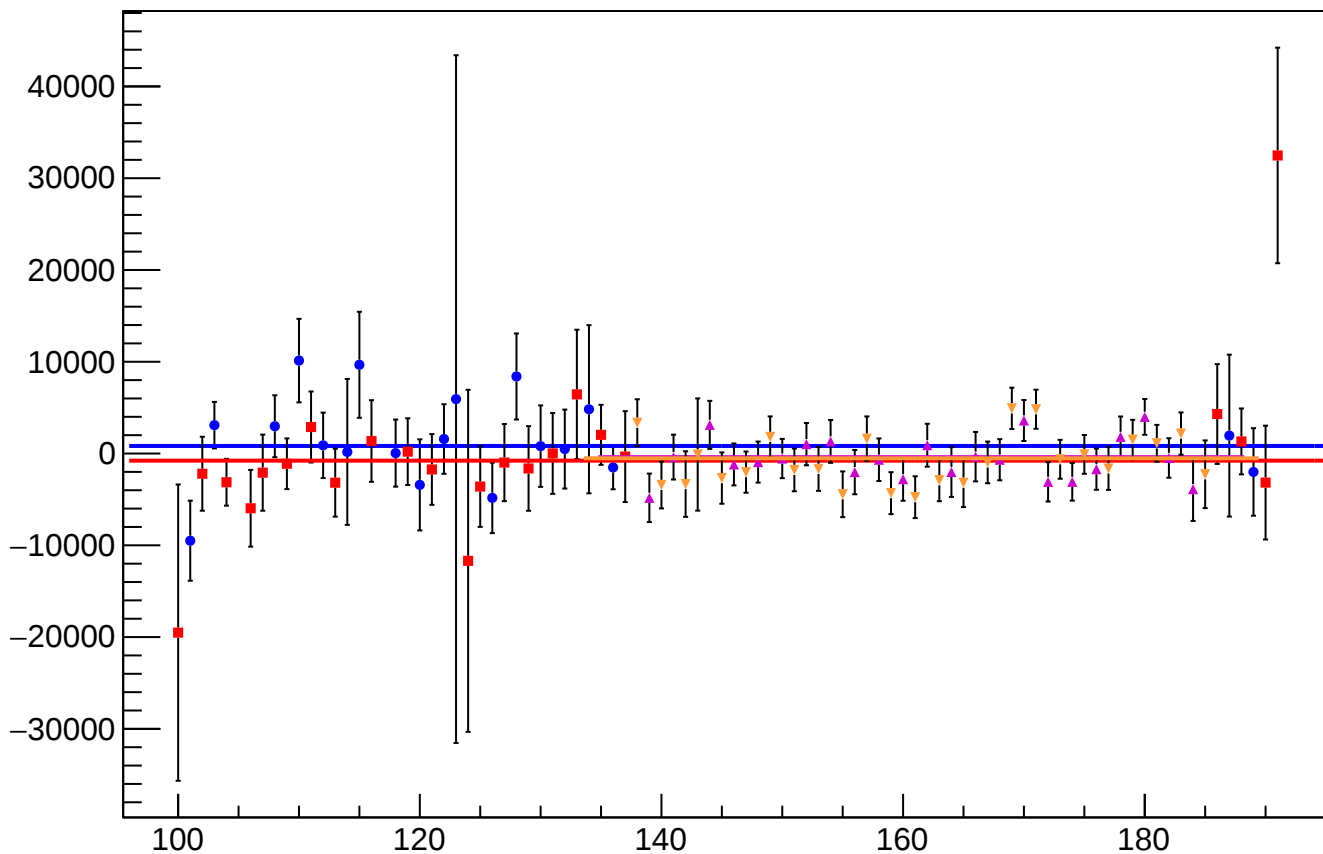
Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

+ sign 1042.061 $\pm$ 0.153 χ^2 /NDF: 4565015.0/43

All: 1041.525 $\pm$ 0.108 χ^2 /NDF: 9448128.9/89

- sign 1040.999 $\pm$ 0.152 χ^2 /NDF: 4883089.6/45

asym_at2_dd_mean vs Slug



Right In: 824.691 $\pm$ 945.569 χ^2 /NDF: 20.5/18

Left Out: -517.719 $\pm$ 481.486 χ^2 /NDF:34.0/24

Right Out: -775.011 $\pm$ 874.441 χ^2 /NDF: 17.7/22

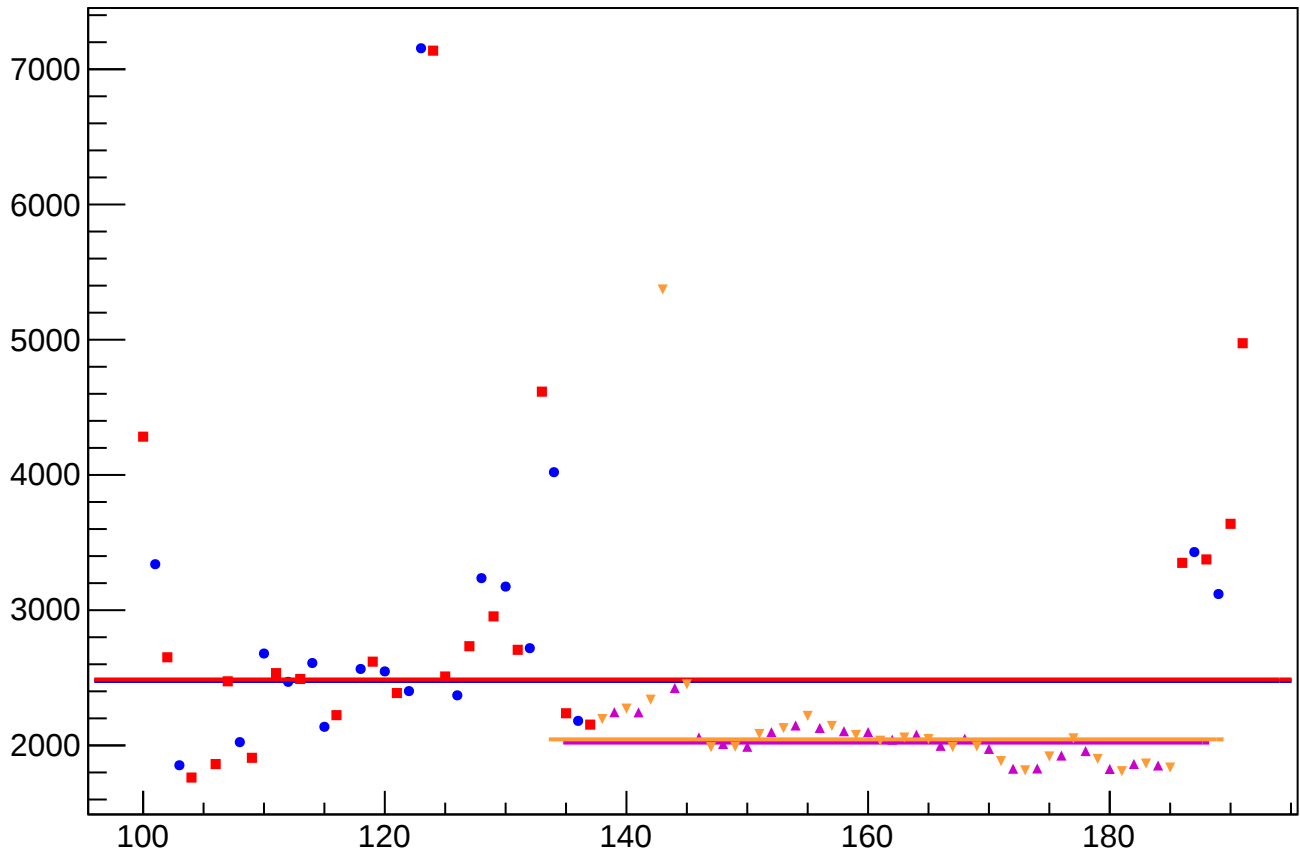
Left In: -397.398 $\pm$ 485.048 χ^2 /NDF:21.8/22

+ sign -241.317 $\pm$ 429.063 χ^2 /NDF: 56.1/43

All: -365.189 $\pm$ 301.646 χ^2 /NDF: 95.9/89

- sign -486.247 $\pm$ 424.163 χ^2 /NDF: 39.6/45

asym_at2_dd_rms vs Slug



Right In: 2476.657+/-0.669 χ^2/NDF : 537751.8/18

Left Out: 2044.722+/-0.340 χ^2/NDF : 788703.5/24

Right Out: 2487.655+/-0.618 χ^2/NDF : 1025299.7/22

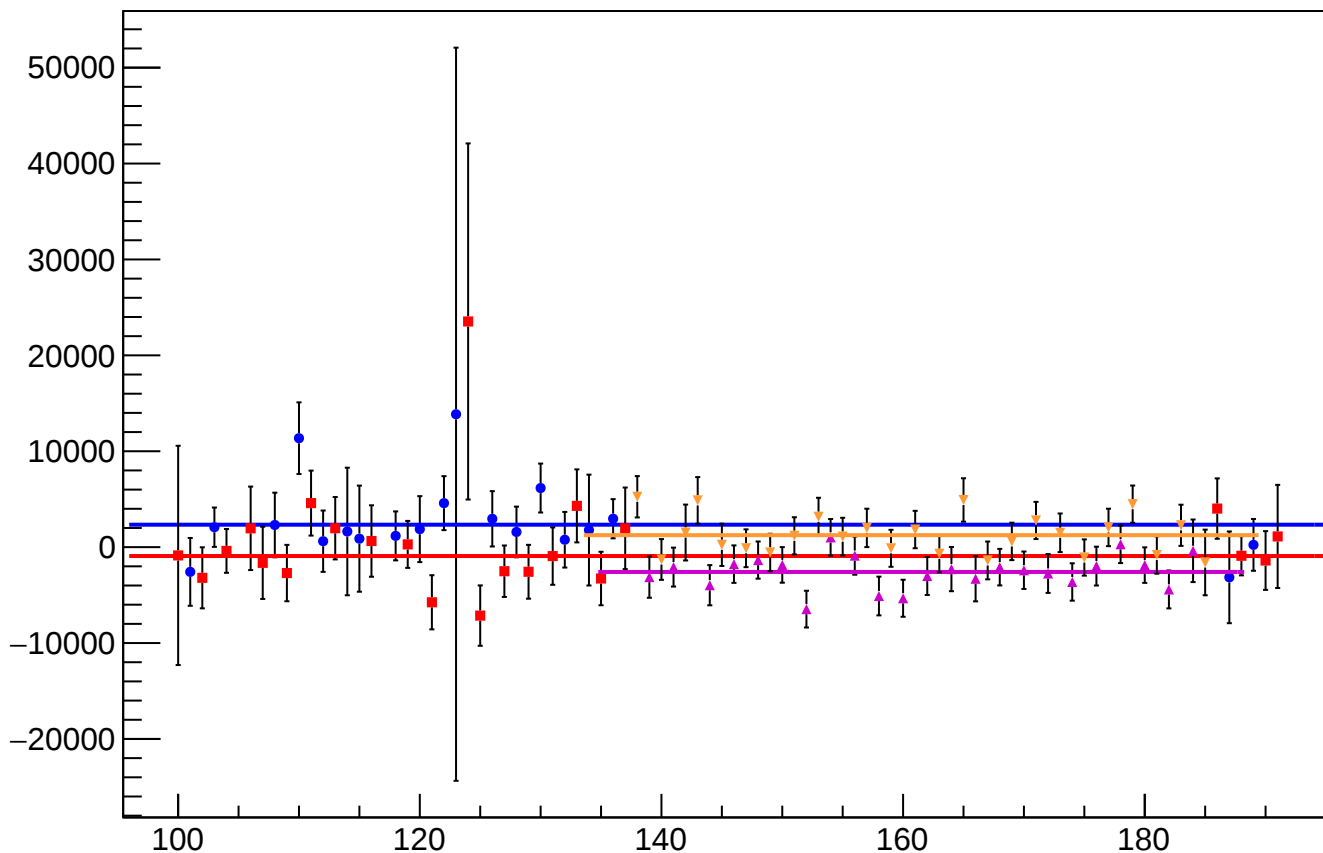
Left In: 2020.802+/-0.343 χ^2/NDF : 173502.0/22

+ sign 2133.658+/-0.303 χ^2/NDF : 1657858.7/43

All: 2132.136+/-0.213 χ^2/NDF : 3292651.7/89

- sign 2130.648+/-0.300 χ^2/NDF : 1634743.3/45

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2340.801 ± 710.375 χ^2/NDF : 13.8/18

Left Out: 1249.917 ± 412.486 χ^2/NDF : 23.0/24

Right Out: -925.970 ± 659.519 χ^2/NDF : 20.2/22

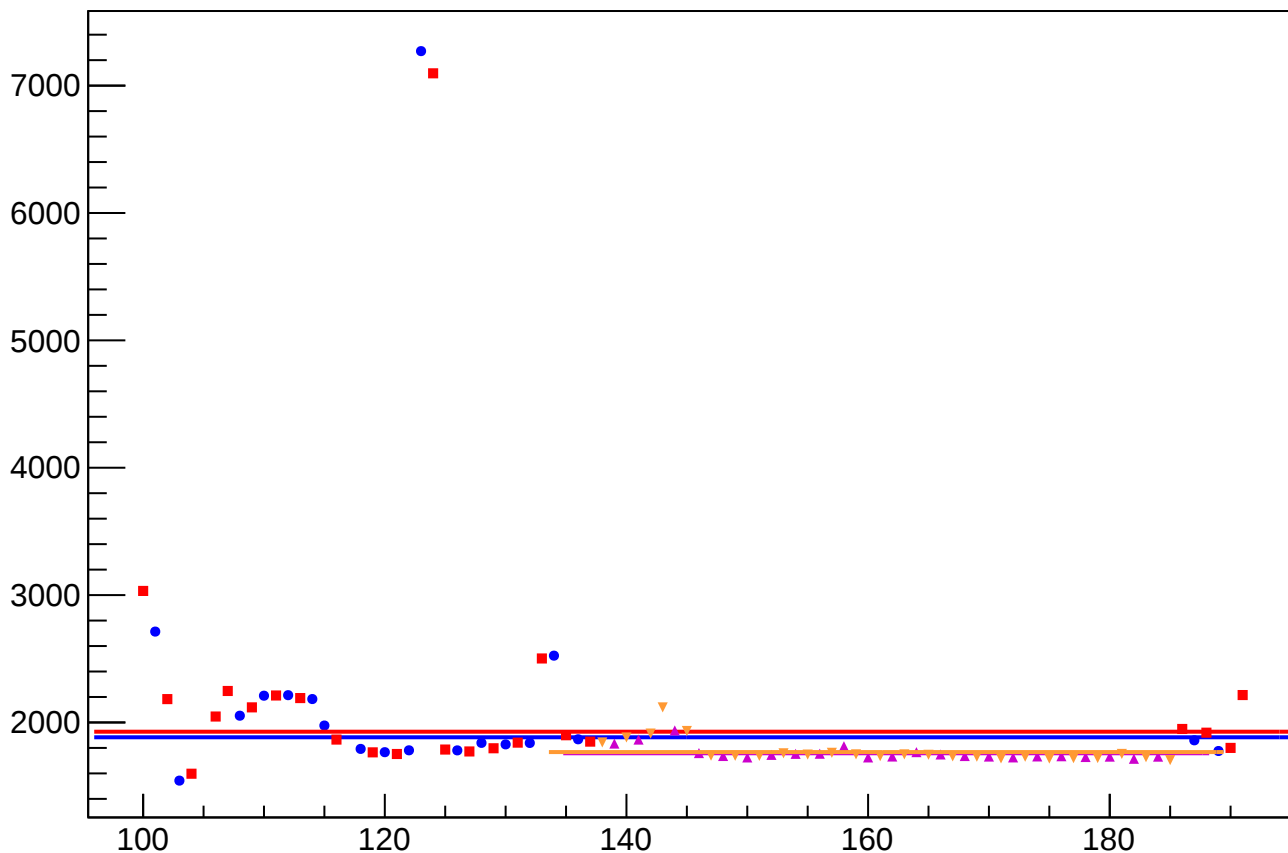
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1524.983 ± 356.711 χ^2/NDF : 38.6/43

All: -297.995 ± 251.685 χ^2/NDF : 132.8/89

- sign -2105.239 ± 355.168 χ^2/NDF : 42.2/45

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: 1927.443+/-0.466 χ^2/NDF : 369586.9/22

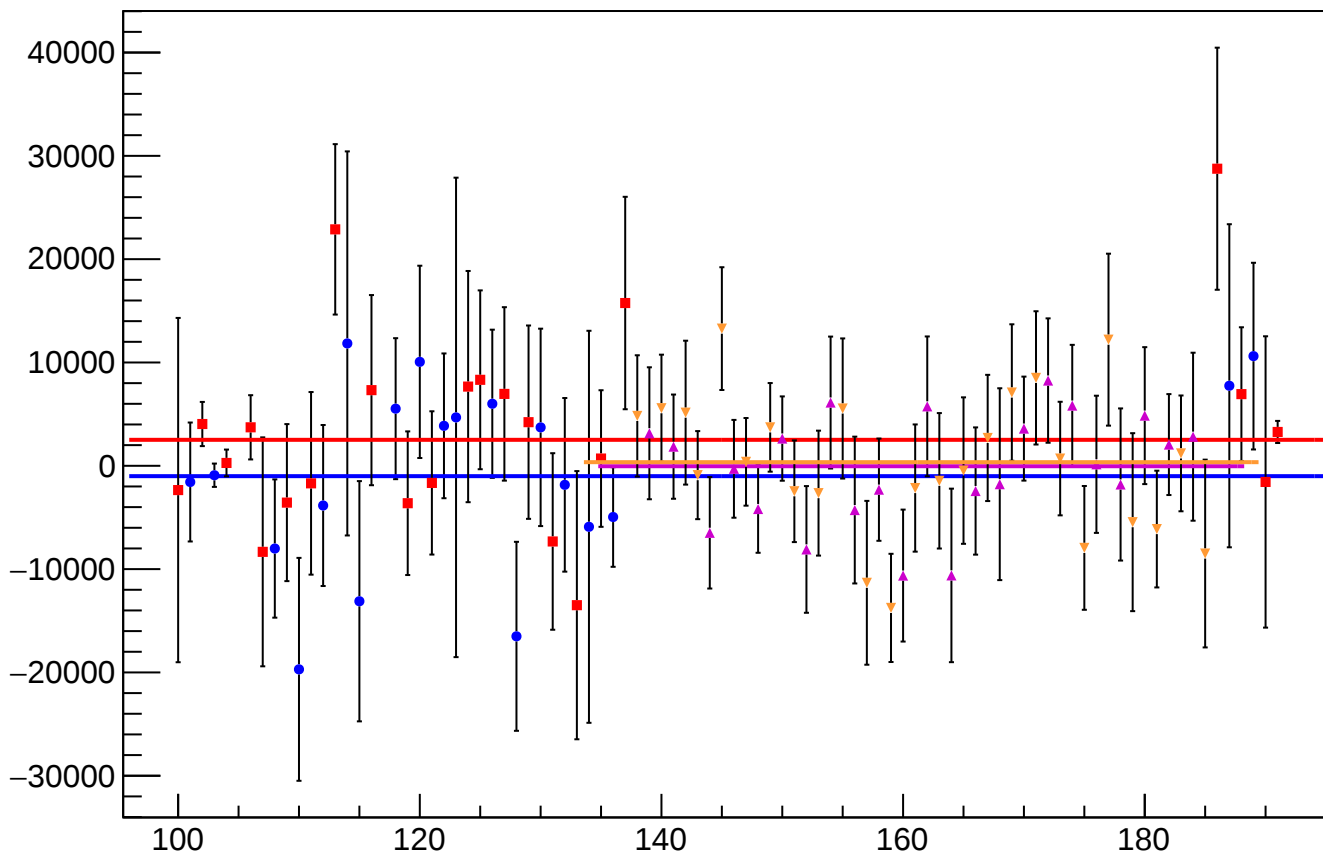
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1796.787+/-0.252 χ^2/NDF : 408848.9/43

All: 1802.059+/-0.178 χ^2/NDF : 902923.0/89

- sign 1807.282+/-0.251 χ^2/NDF : 493204.4/45

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: 2514.327 ± 700.765 χ^2/NDF : 24.7/22

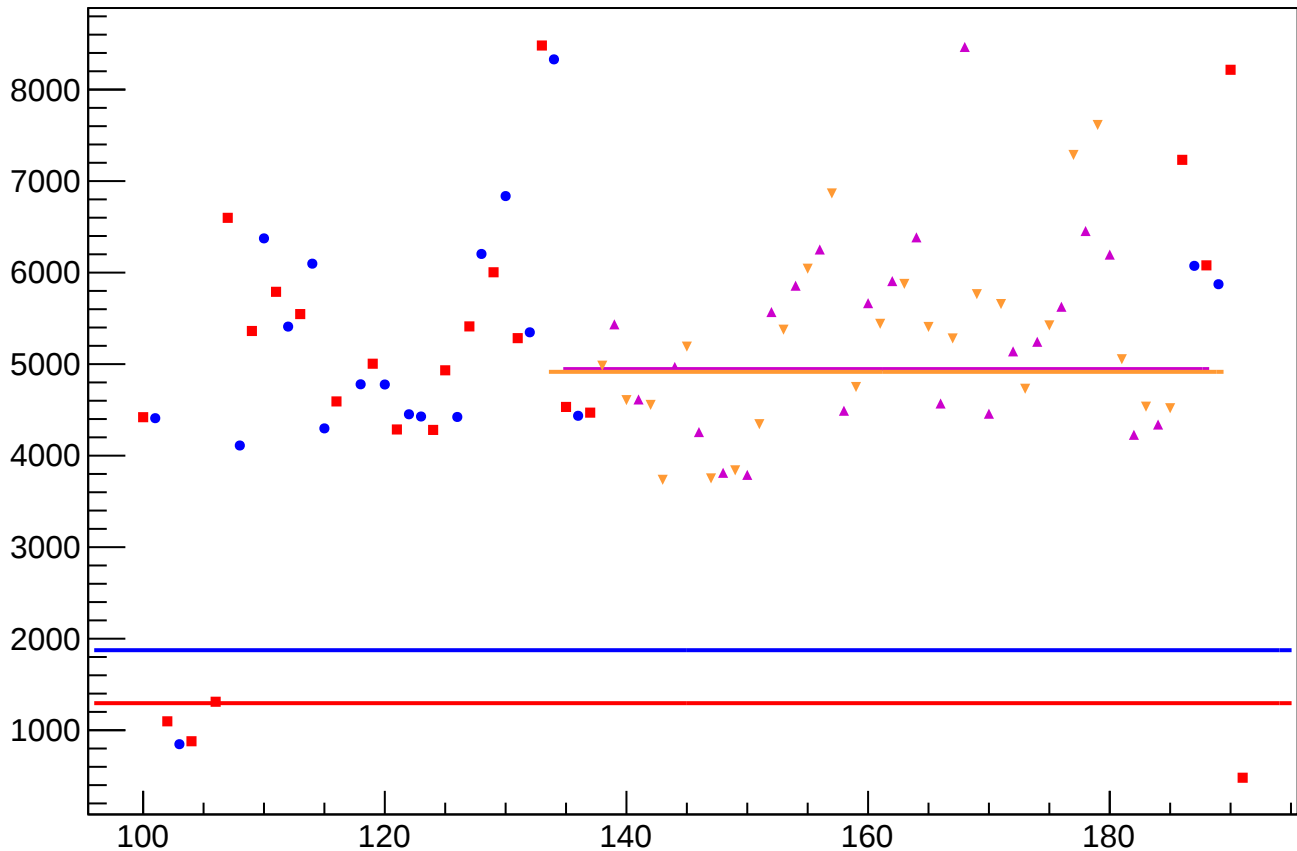
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -445.955 ± 750.176 χ^2/NDF : 44.1/43

All: 955.687 ± 471.448 χ^2/NDF : 93.9/89

- sign 1870.617 ± 606.092 χ^2/NDF : 44.1/45

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1874.316+/-0.691 χ^2/NDF : 6983152.7/18

Left Out: 4915.865+/-0.827 χ^2/NDF : 1186479.7/24

Right Out: 1295.468+/-0.496 χ^2/NDF : 10021833.9/22

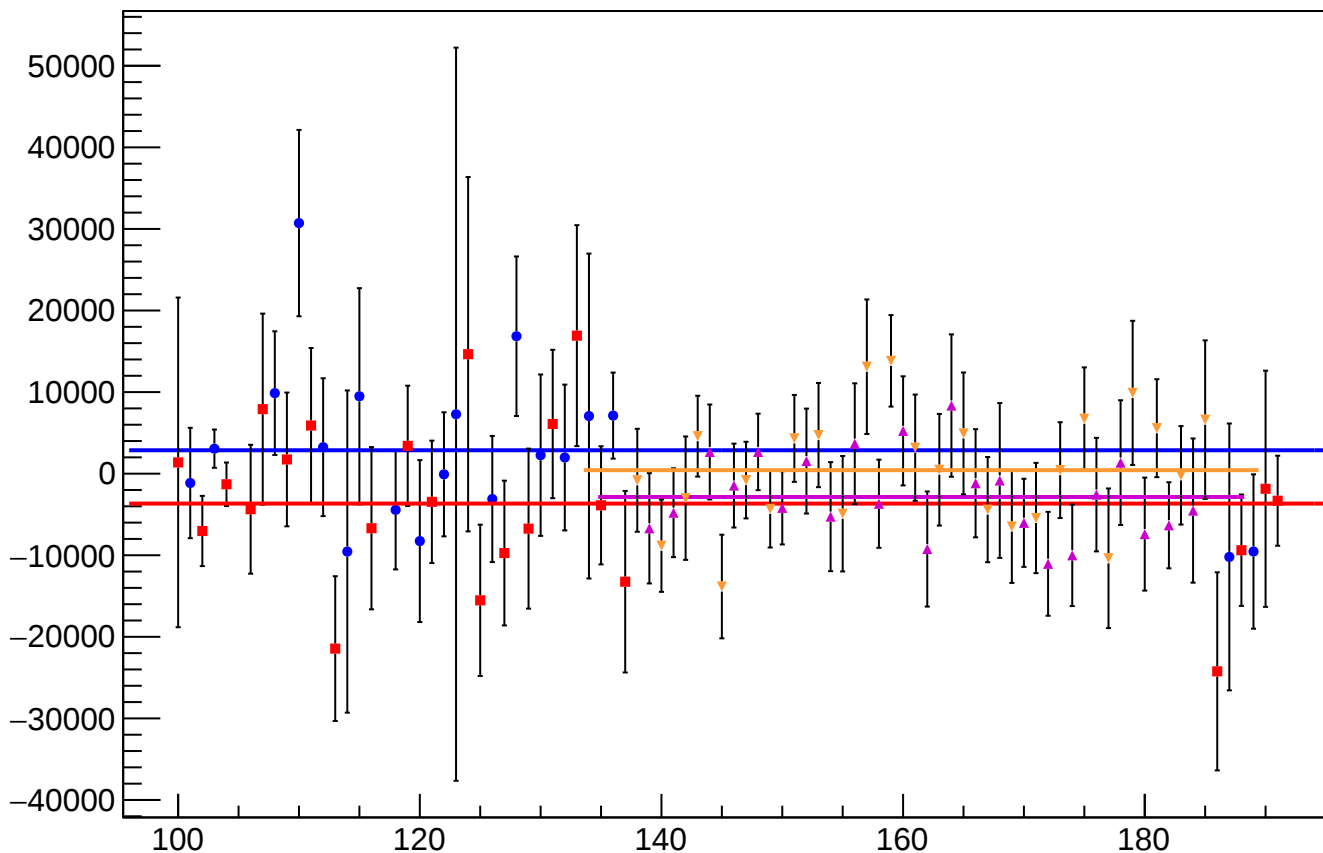
Left In: 4945.817+/-0.854 χ^2/NDF : 1188288.6/22

+ sign 3124.608+/-0.530 χ^2/NDF : 16128895.6/43

All: 2574.347+/-0.333 χ^2/NDF : 42790479.7/8

- sign 2215.162+/-0.429 χ^2/NDF : 24883104.4/45

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: -3667.867 $\pm$ 1486.487 χ^2 /NDF: 19.6/22

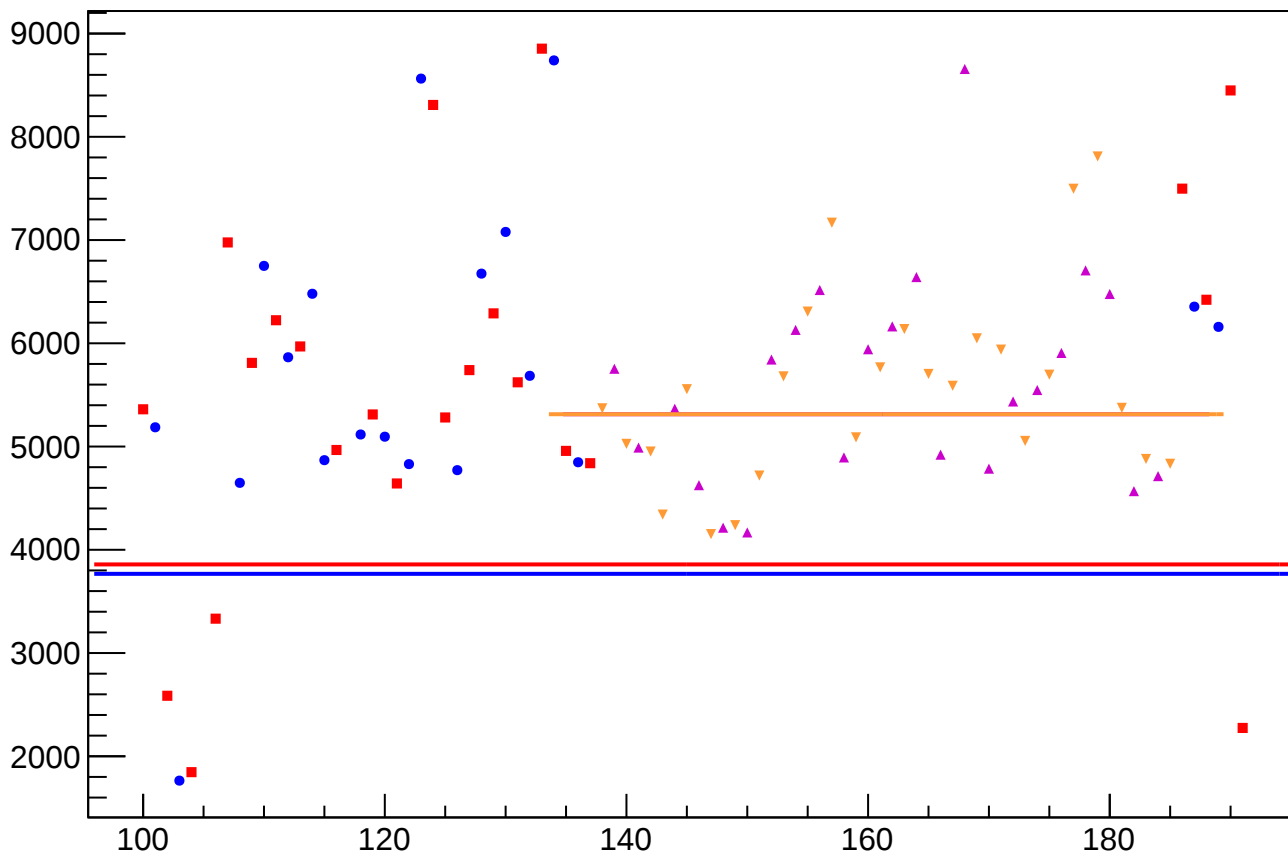
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1377.601 $\pm$ 984.064 χ^2 /NDF: 44.5/43

All: -935.696 $\pm$ 692.714 χ^2 /NDF: 88.1/89

- sign -3207.905 $\pm$ 975.285 χ^2 /NDF: 32.7/45

asym_atl1r2_avg_rms vs Slug



Right In: 3766.997 $\pm$ 1.117 χ^2 /NDF: 2964953.1/18

Left Out: 5313.008 $\pm$ 0.890 χ^2 /NDF:894369.8/24

Right Out: 3858.269 $\pm$ 1.045 χ^2 /NDF: 3532516.6/22

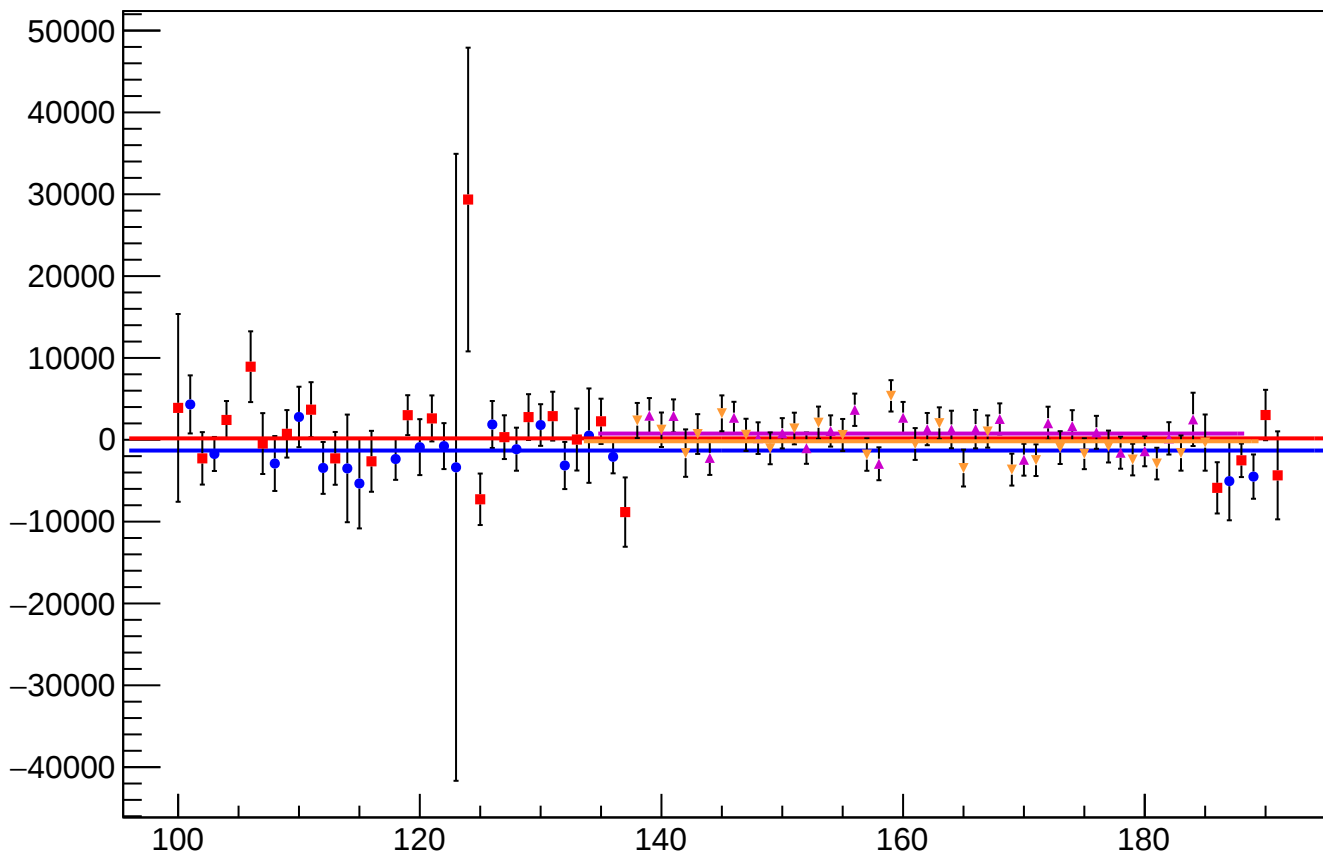
Left In: 5312.861 $\pm$ 0.914 χ^2 /NDF:957400.7/22

+ sign 4712.601 $\pm$ 0.696 χ^2 /NDF: 5031892.3/43

All: 4697.442 $\pm$ 0.489 χ^2 /NDF: 10620560.7/8

- sign 4682.626 $\pm$ 0.688 χ^2 /NDF: 5587730.0/45

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1314.364 ± 708.443 χ^2/NDF : 10.7/18

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: 170.647 ± 658.139 χ^2/NDF : 32.0/22

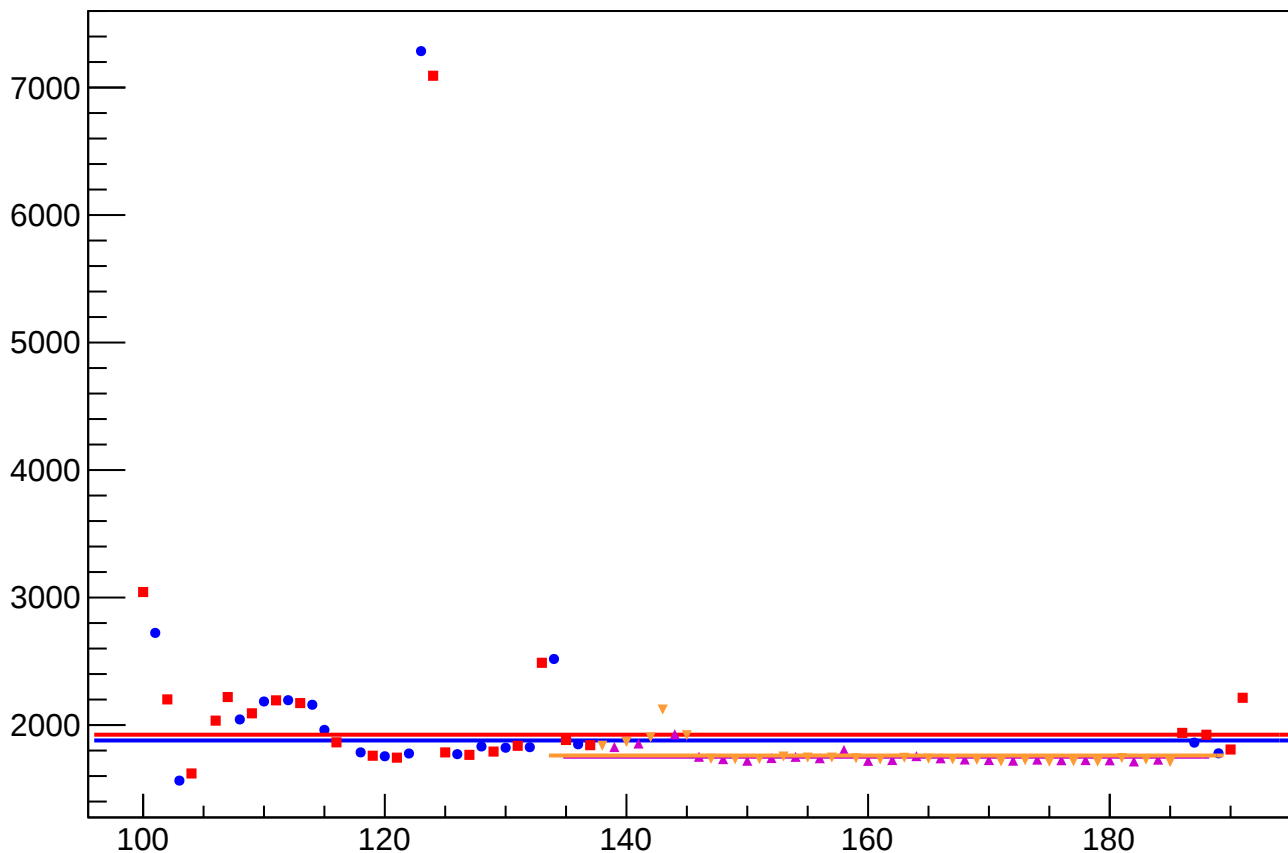
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -465.471 ± 355.490 χ^2/NDF : 41.9/43

All: 64.153 ± 250.838 χ^2/NDF : 99.2/89

- sign 589.324 ± 353.992 χ^2/NDF : 52.8/45

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1879.043 ± 0.501 χ^2/NDF : 282189.9/18

Left Out: 1761.091 ± 0.291 χ^2/NDF : 77468.5/24

Right Out: 1924.333 ± 0.465 χ^2/NDF : 358256.6/22

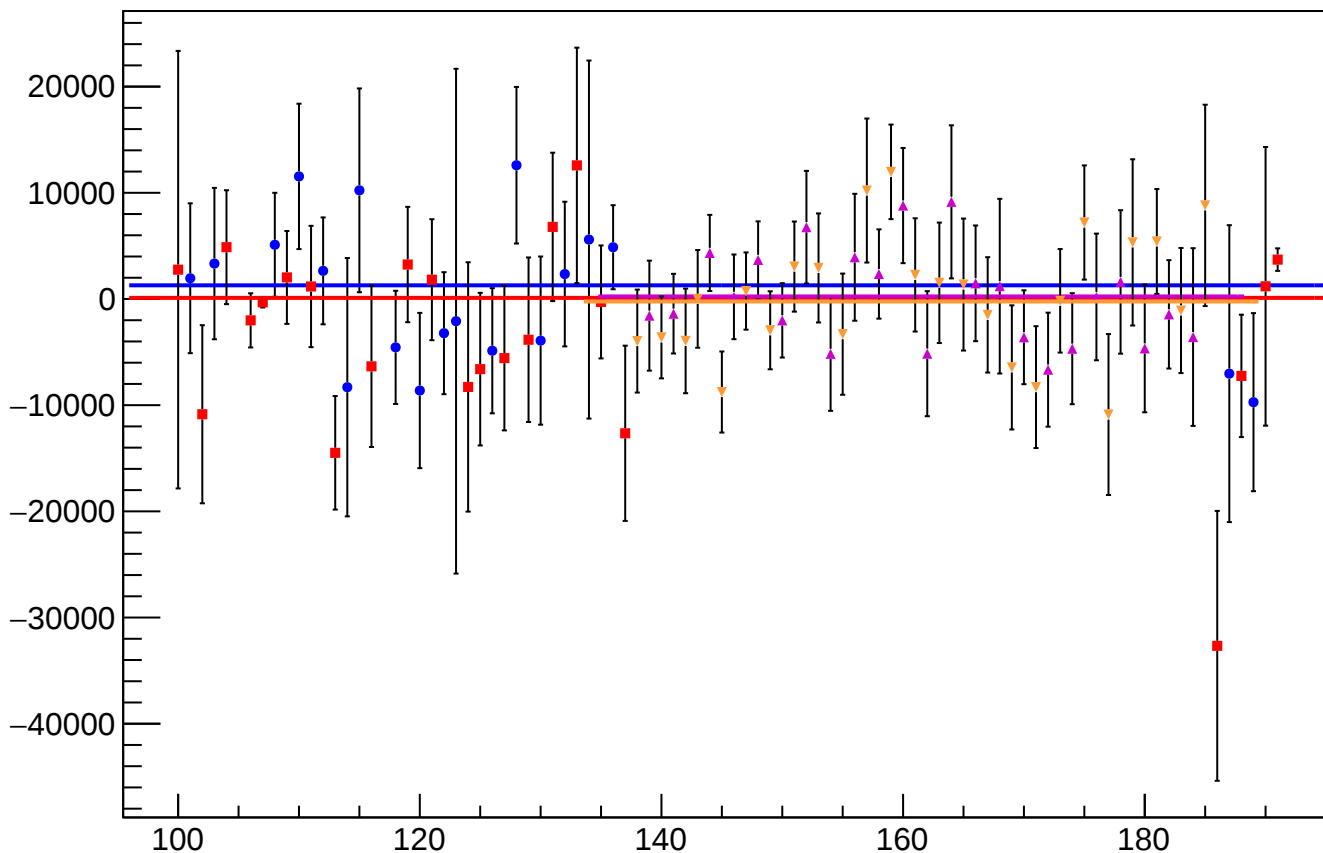
Left In: 1751.418 ± 0.297 χ^2/NDF : 28578.7/22

+ sign 1790.790 ± 0.251 χ^2/NDF : 401140.2/43

All: 1796.185 ± 0.177 χ^2/NDF : 887184.2/89

- sign 1801.531 ± 0.250 χ^2/NDF : 485126.9/45

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: 104.952 $\pm$ 415.615 χ^2 /NDF: 39.5/22

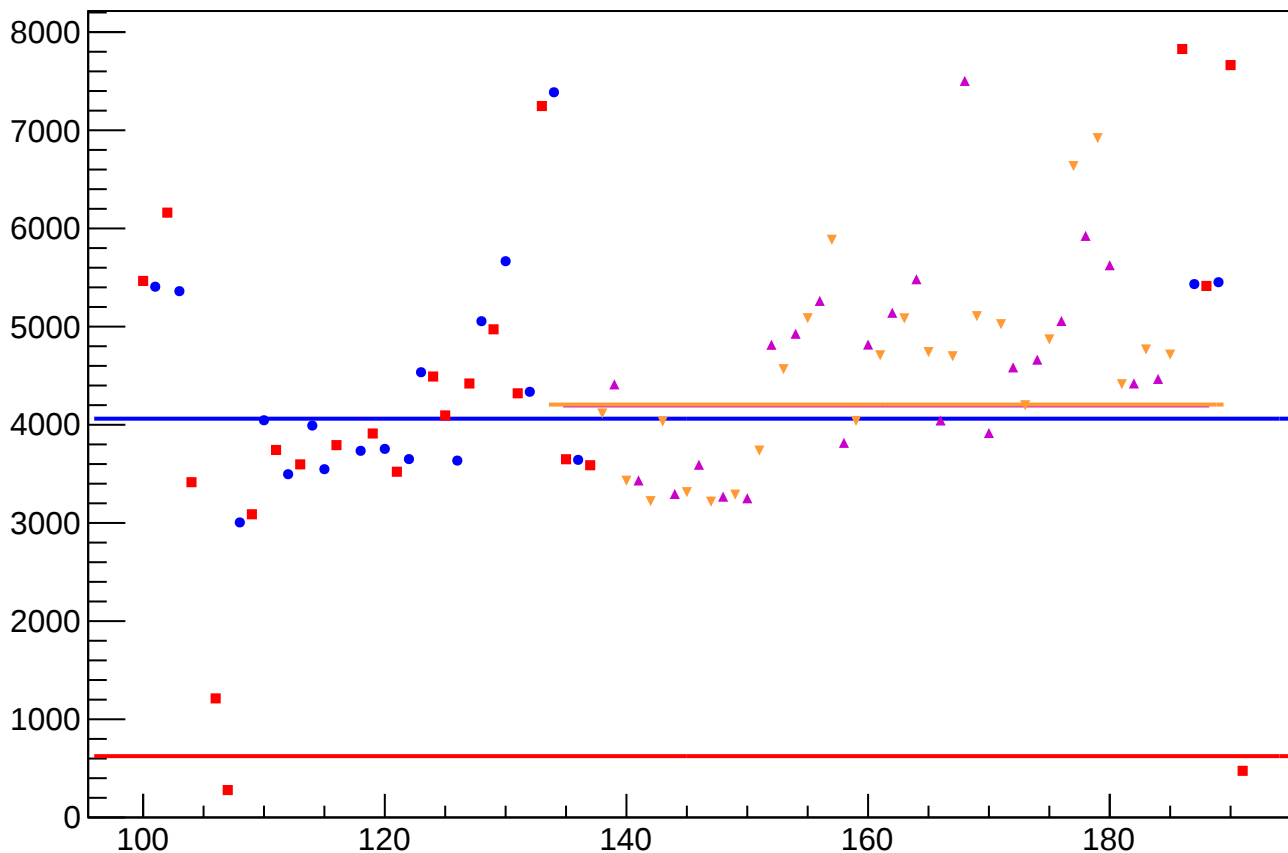
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF: 15.3/22

+ sign 215.715 $\pm$ 843.043 χ^2 /NDF: 44.6/43

All: 139.676 $\pm$ 350.482 χ^2 /NDF: 99.5/89

- sign 123.788 $\pm$ 385.362 χ^2 /NDF: 54.9/45

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: 624.519+/-0.294 χ^2/NDF : 12857148.6/22

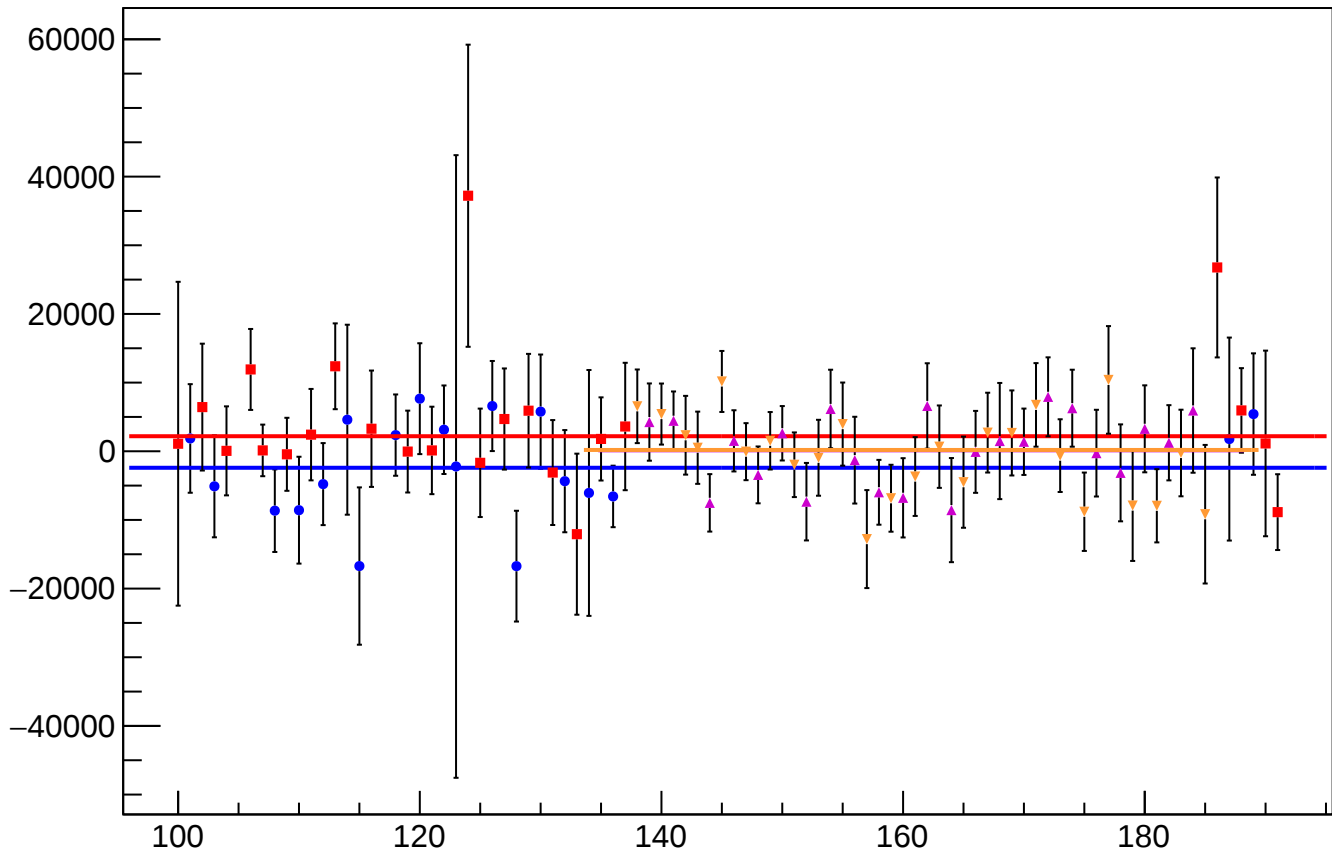
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4163.404+/-0.596 χ^2/NDF : 2046367.5/43

All: 1650.734+/-0.248 χ^2/NDF : 58586064.9/8

- sign 1125.716+/-0.272 χ^2/NDF : 35060964.8/45

asym_atl1r2_dd_mean vs Slug



Right In: -2403.730 ± 1743.446 χ^2/NDF : 14.9/18

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2191.140 ± 1455.424 χ^2/NDF : 19.5/22

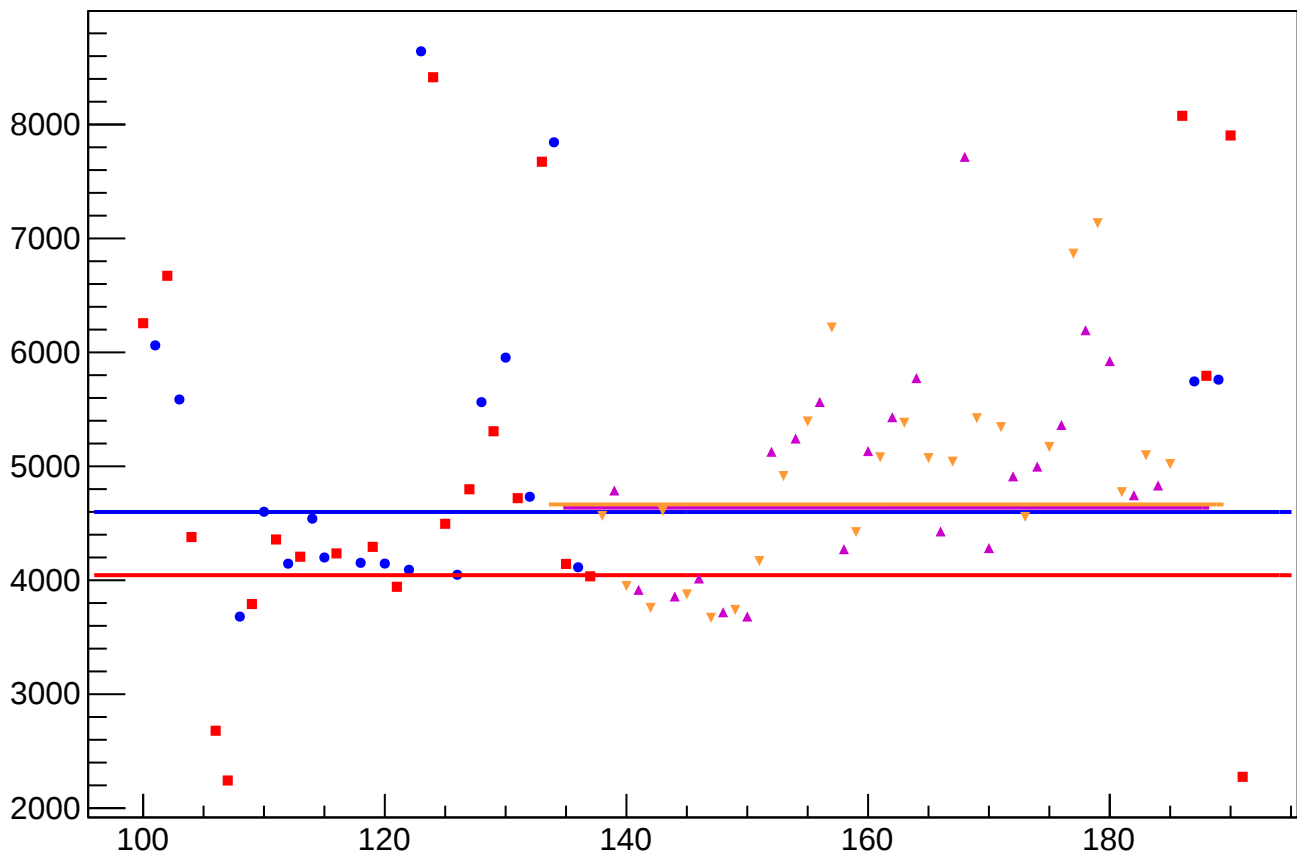
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -555.296 ± 934.442 χ^2/NDF : 41.5/43

All: 210.830 ± 645.370 χ^2/NDF : 82.1/89

- sign 909.555 ± 892.391 χ^2/NDF : 39.3/45

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: 4044.563+/-1.024 χ^2/NDF : 1866602.7/22

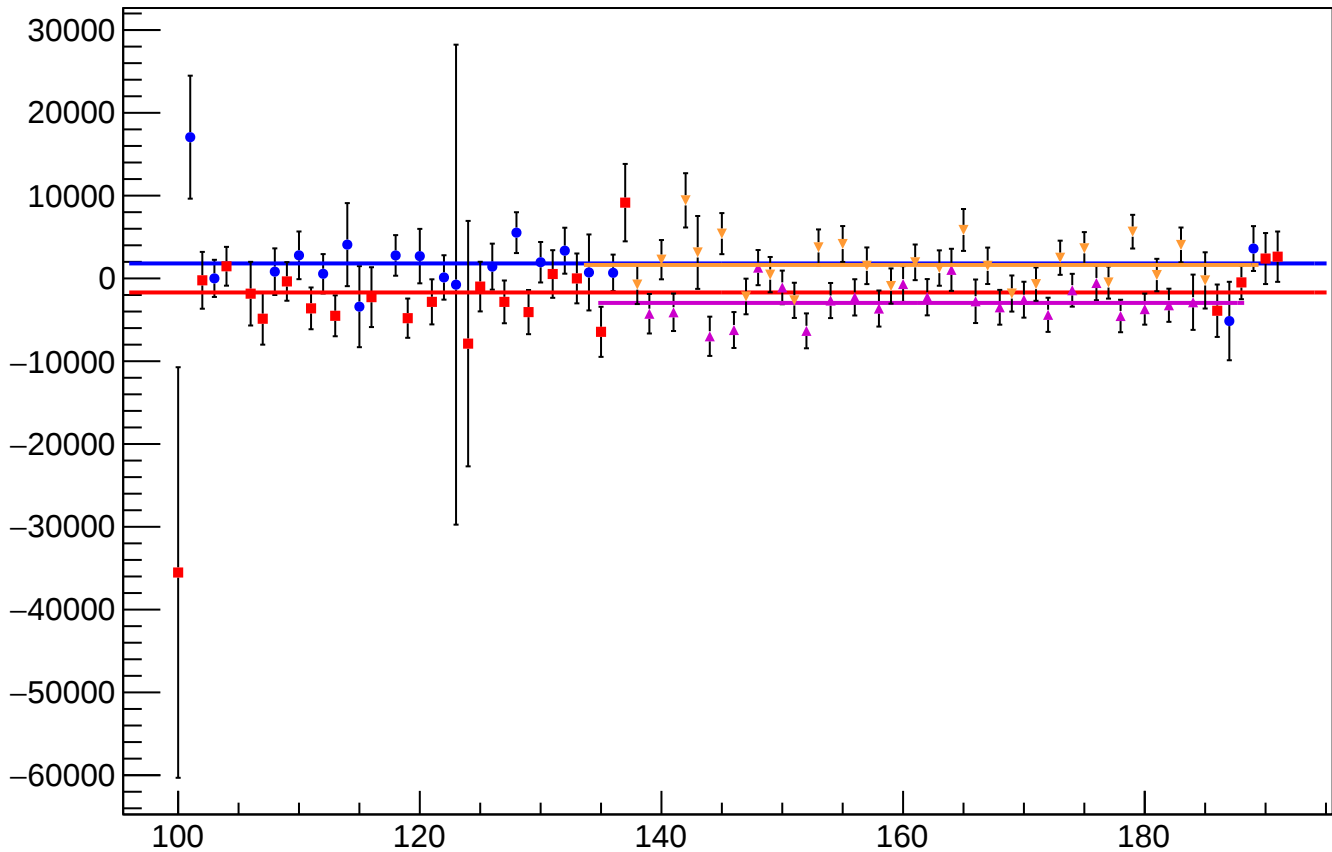
Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

+ sign 4646.545+/-0.661 χ^2/NDF : 1461601.6/43

All: 4524.280+/-0.456 χ^2/NDF : 4667524.6/89

- sign 4413.231+/-0.630 χ^2/NDF : 3140584.2/45

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: -1696.105 $\pm$ 610.723 χ^2 /NDF: 23.6/22

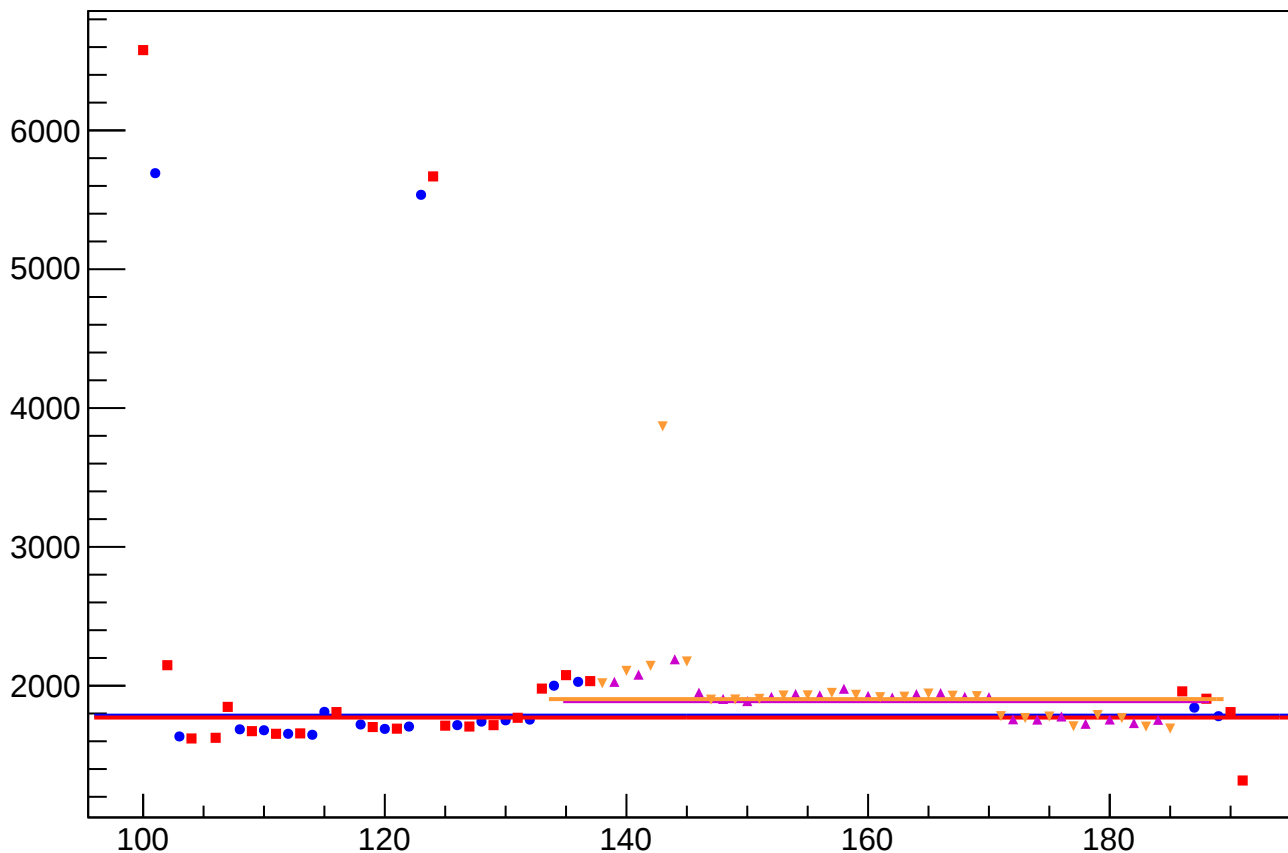
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1684.031 $\pm$ 373.978 χ^2 /NDF: 48.4/43

All: -468.393 $\pm$ 260.914 χ^2 /NDF: 159.7/89

- sign -2509.657 $\pm$ 364.193 χ^2 /NDF: 46.8/45

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1784.518 $\pm$ 0.483 χ^2 /NDF: 644931.0/18

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1770.825 $\pm$ 0.429 χ^2 /NDF: 366927.8/22

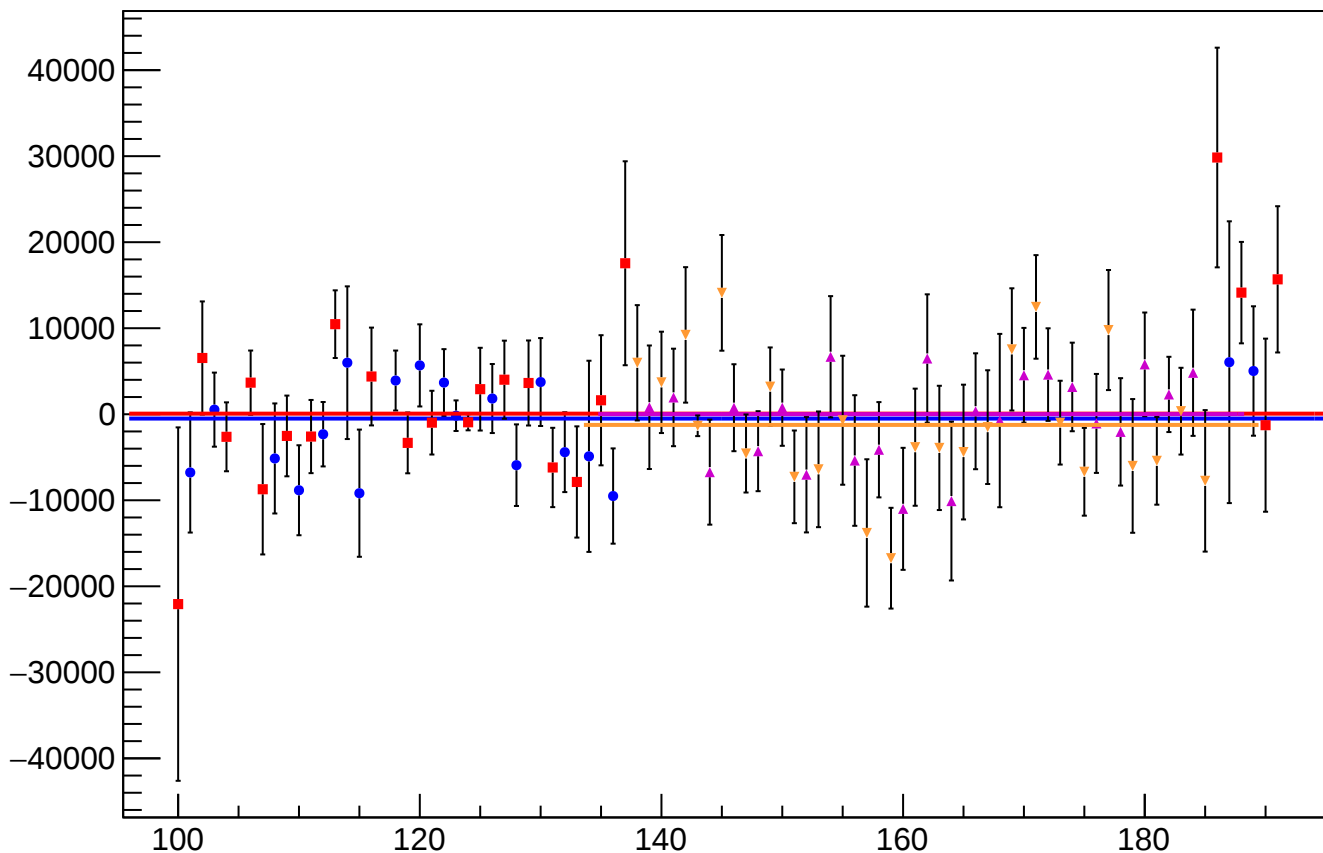
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1867.860 $\pm$ 0.264 χ^2 /NDF: 1229122.8/43

All: 1856.944 $\pm$ 0.184 χ^2 /NDF: 1774317.8/89

- sign 1846.632 $\pm$ 0.257 χ^2 /NDF: 541881.0/45

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: 68.535 ± 714.920 χ^2/NDF : 37.0/22

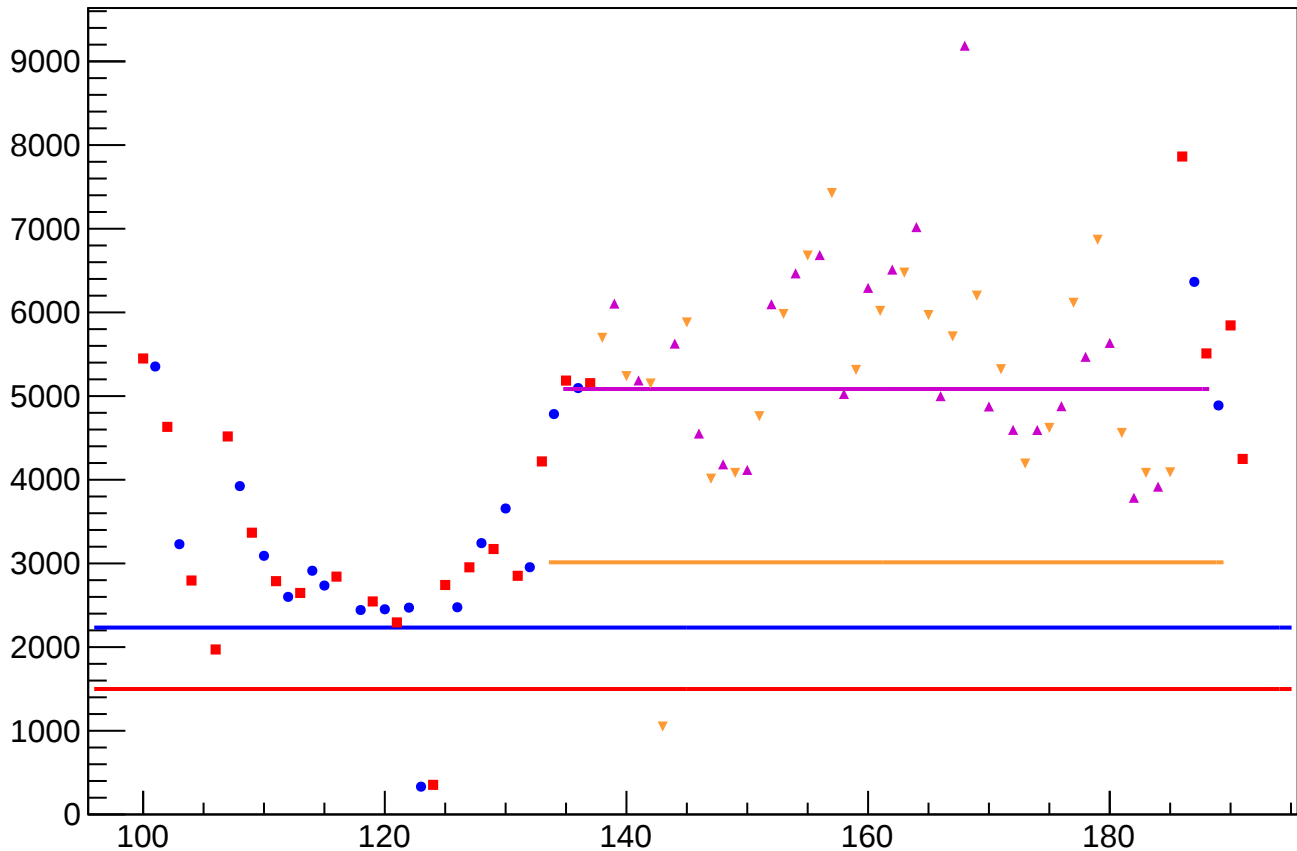
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -924.592 ± 654.327 χ^2/NDF : 51.3/43

All: -408.007 ± 449.963 χ^2/NDF : 102.7/89

- sign 55.447 ± 619.766 χ^2/NDF : 50.2/45

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2233.606 $\pm$ 0.707 χ^2 /NDF: 4362355.7/18

Left Out: 3013.268 $\pm$ 0.612 χ^2 /NDF:12270753.9/24

Right Out: 1499.392 $\pm$ 0.506 χ^2 /NDF: 8901622.7/22

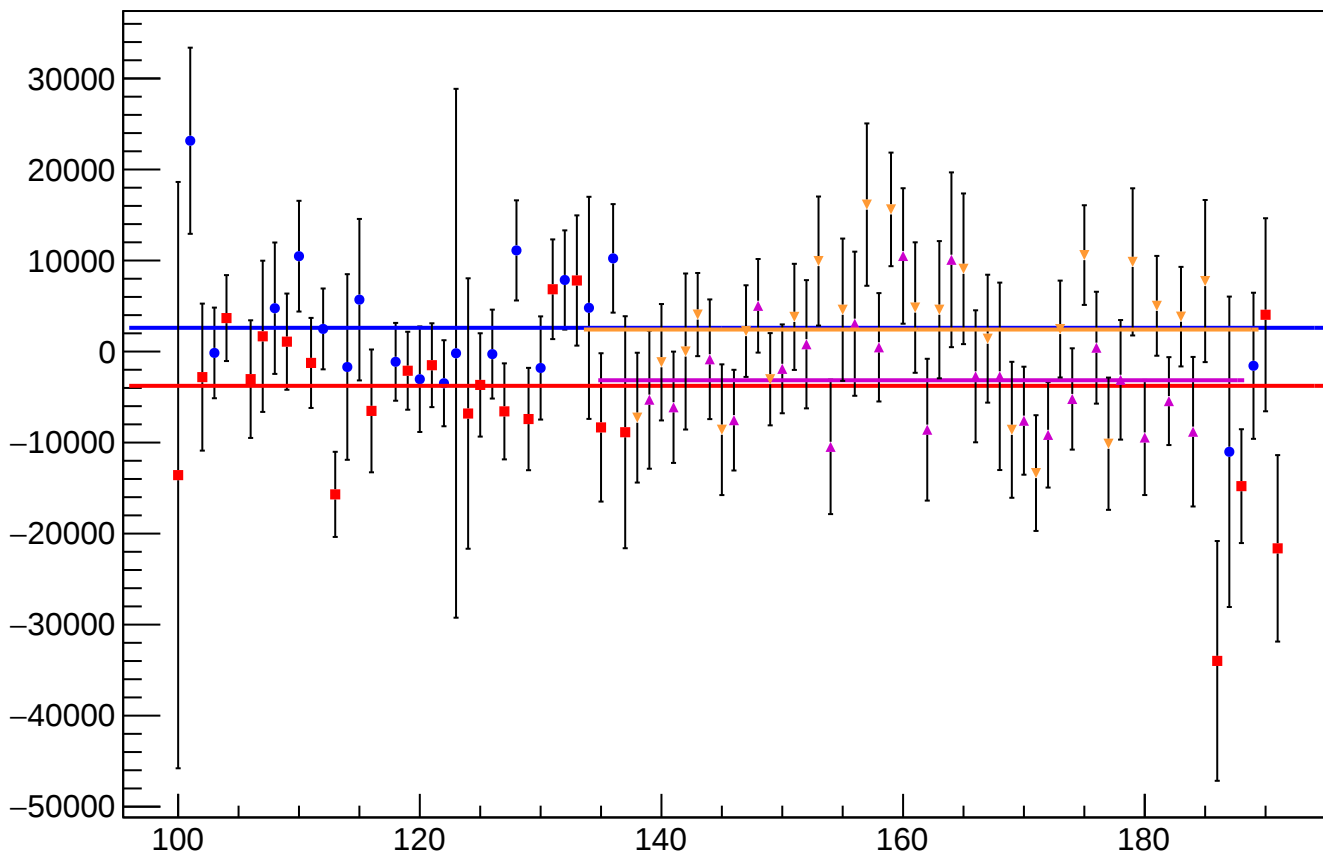
Left In: 5084.645 $\pm$ 0.879 χ^2 /NDF:1303587.7/22

+ sign 2679.531 $\pm$ 0.463 χ^2 /NDF: 17328304.8/43

All: 2527.052 $\pm$ 0.318 χ^2 /NDF: 40237725.1/8

- sign 2390.255 $\pm$ 0.438 χ^2 /NDF: 22703374.4/45

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: -3767.430+/-1321.479 χ^2/NDF : 30.7/22

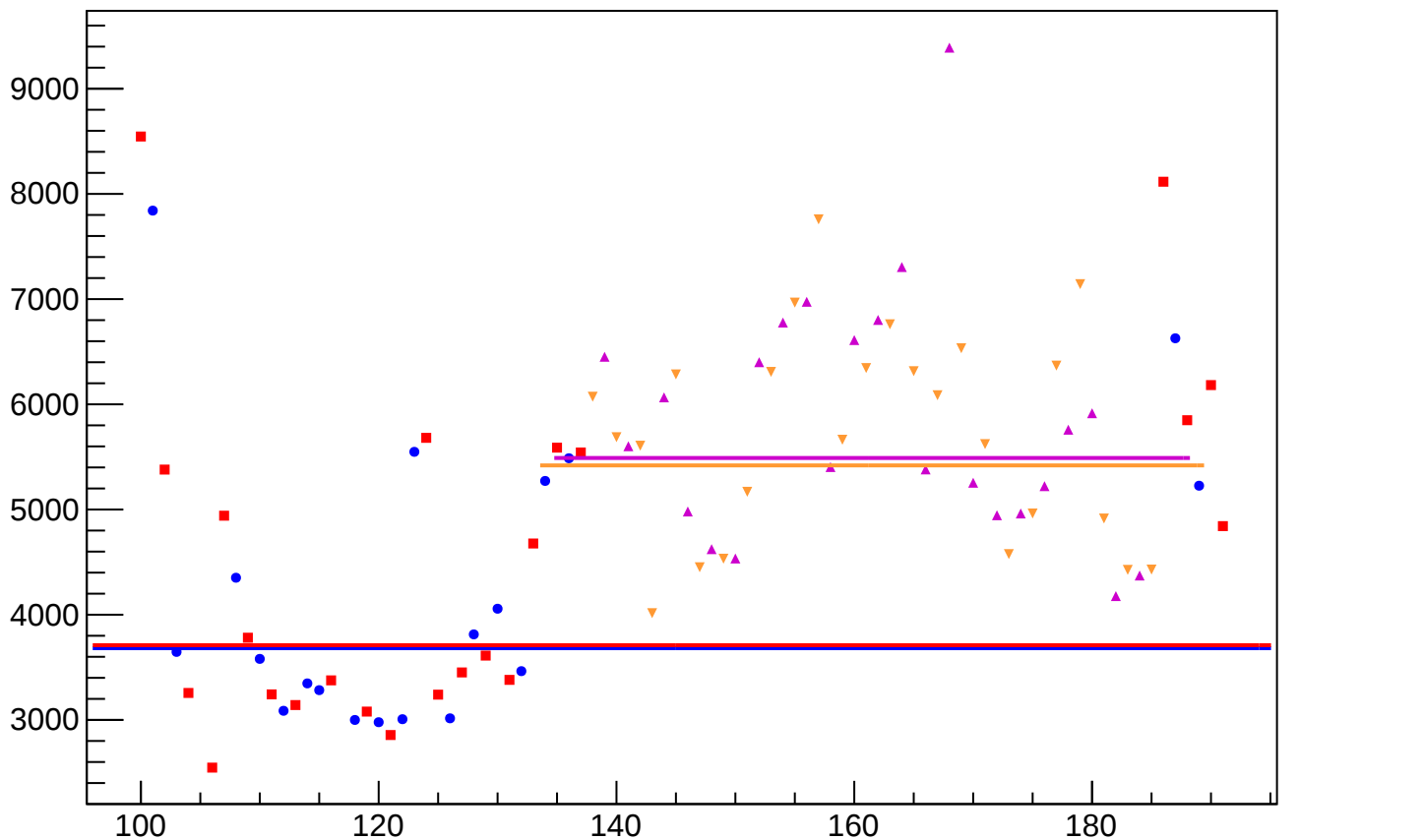
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2502.589+/-954.601 χ^2/NDF : 46.5/43

All: -526.749+/-669.782 χ^2/NDF : 112.7/89

- sign -3464.111+/-939.997 χ^2/NDF : 46.3/45

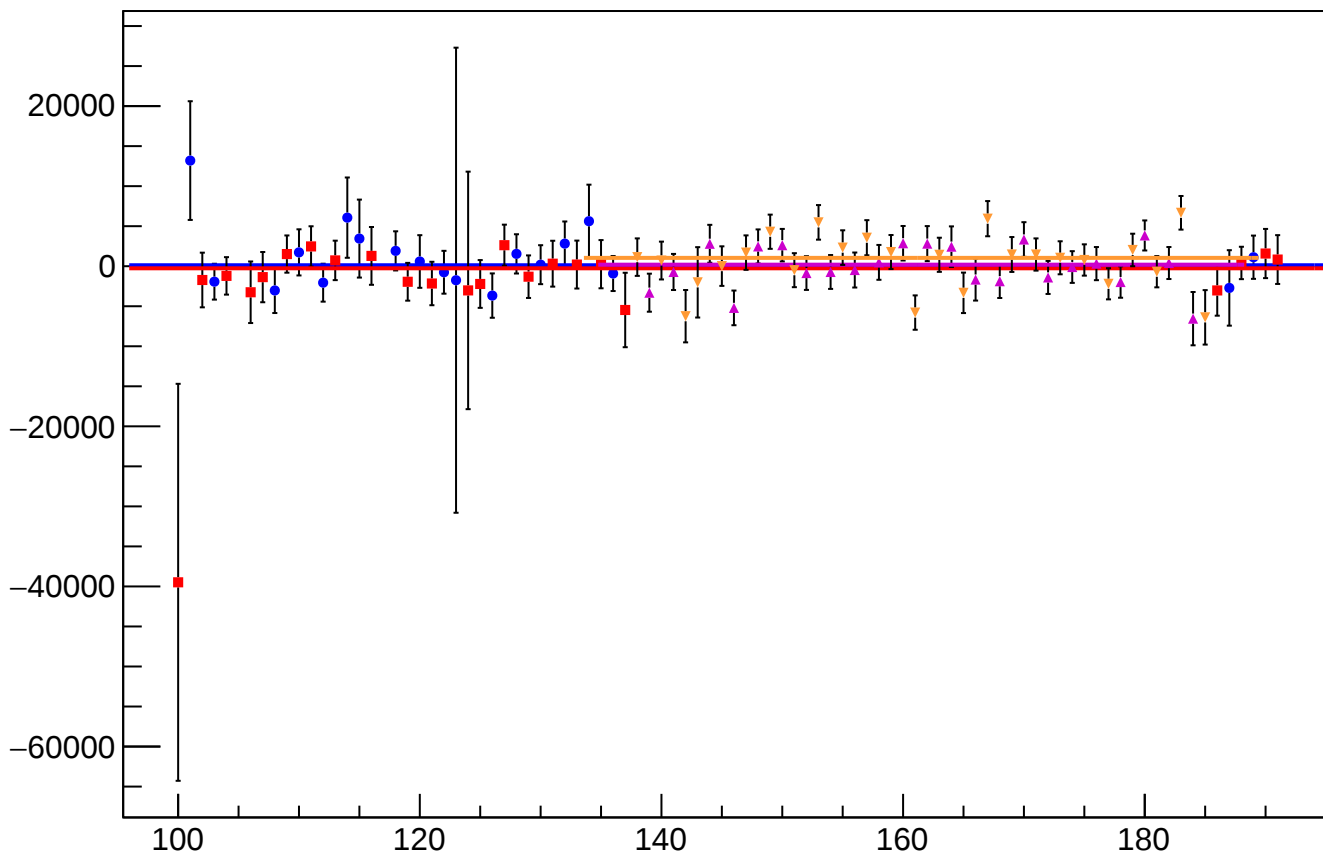
asym_atr1l2_avg_rms vs Slug



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: 3710.569 ± 0.922 χ^2/NDF : 1299677.8/22
 Left In: 5489.885 ± 0.946 χ^2/NDF : 1064353.3/22

+ sign 4638.524 ± 0.675 χ^2/NDF : 3671056.7/43
 All: 4607.672 ± 0.472 χ^2/NDF : 7853207.6/89
 - sign 4578.147 ± 0.660 χ^2/NDF : 4178062.7/45

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: -260.774 $\pm$ 608.819 χ^2 /NDF: 11.3/22

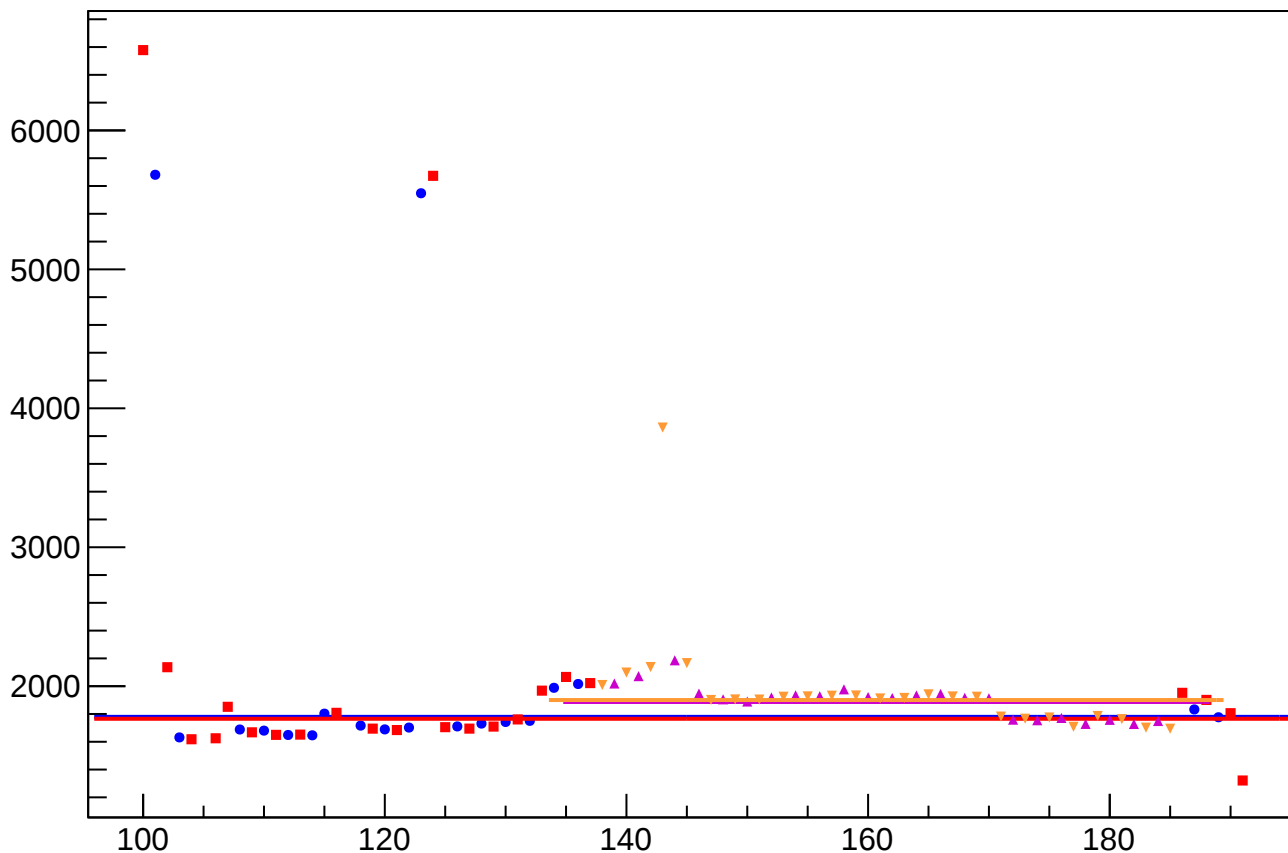
Left In: 191.966 $\pm$ 453.055 χ^2 /NDF: 30.0/22

+ sign 764.435 $\pm$ 373.164 χ^2 /NDF: 64.1/43

All: 387.858 $\pm$ 260.368 χ^2 /NDF: 107.7/89

- sign 30.609 $\pm$ 363.461 χ^2 /NDF: 41.6/45

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1779.227+/-0.481 χ^2/NDF : 643247.4/18

Left Out: 1900.295+/-0.316 χ^2/NDF : 537892.5/24

Right Out: 1765.526+/-0.428 χ^2/NDF : 364292.7/22

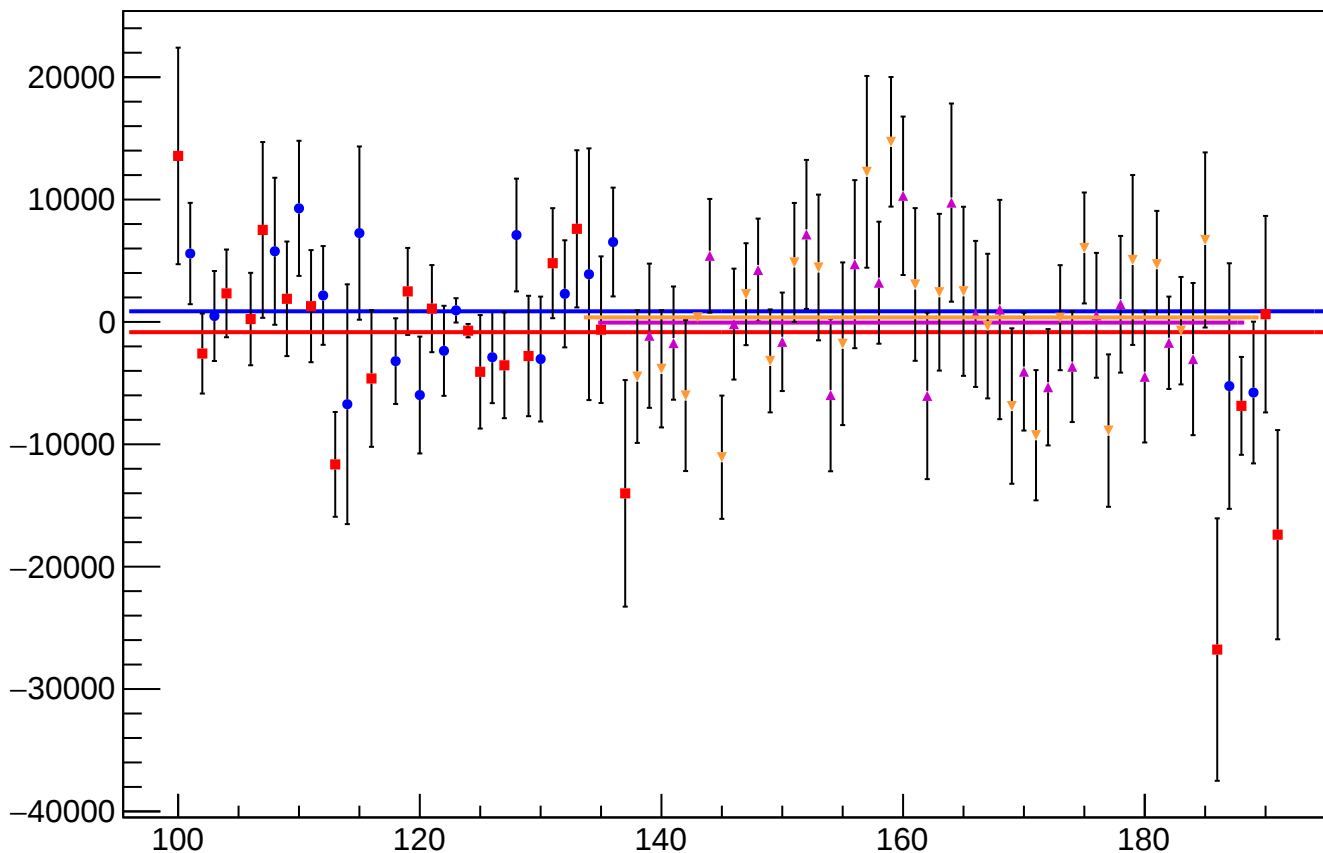
Left In: 1886.378+/-0.320 χ^2/NDF : 123520.6/22

+ sign 1863.886+/-0.264 χ^2/NDF : 1225409.7/43

All: 1853.149+/-0.184 χ^2/NDF : 1767518.9/89

- sign 1843.003+/-0.257 χ^2/NDF : 538889.0/45

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: -835.796 ± 482.535 χ^2/NDF : 32.0/22

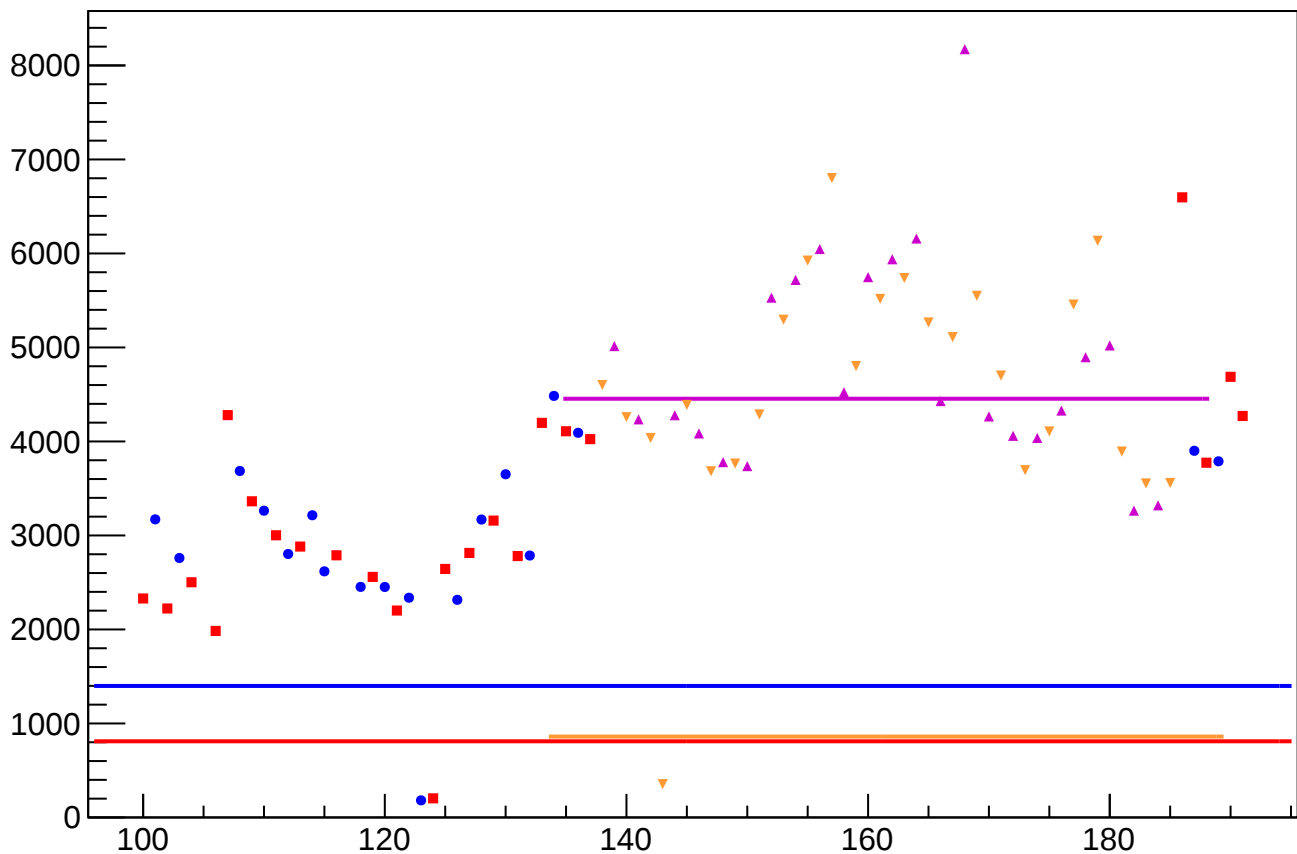
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 476.532 ± 339.967 χ^2/NDF : 48.1/43

All: 35.447 ± 269.300 χ^2/NDF : 99.6/89

- sign -707.518 ± 441.225 χ^2/NDF : 47.0/45

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1399.010 ± 0.527 χ^2/NDF : 7310849.4/18

Left Out: 860.545 ± 0.270 χ^2/NDF : 26340106.5/24

Right Out: 810.204 ± 0.341 χ^2/NDF : 12010899.8/22

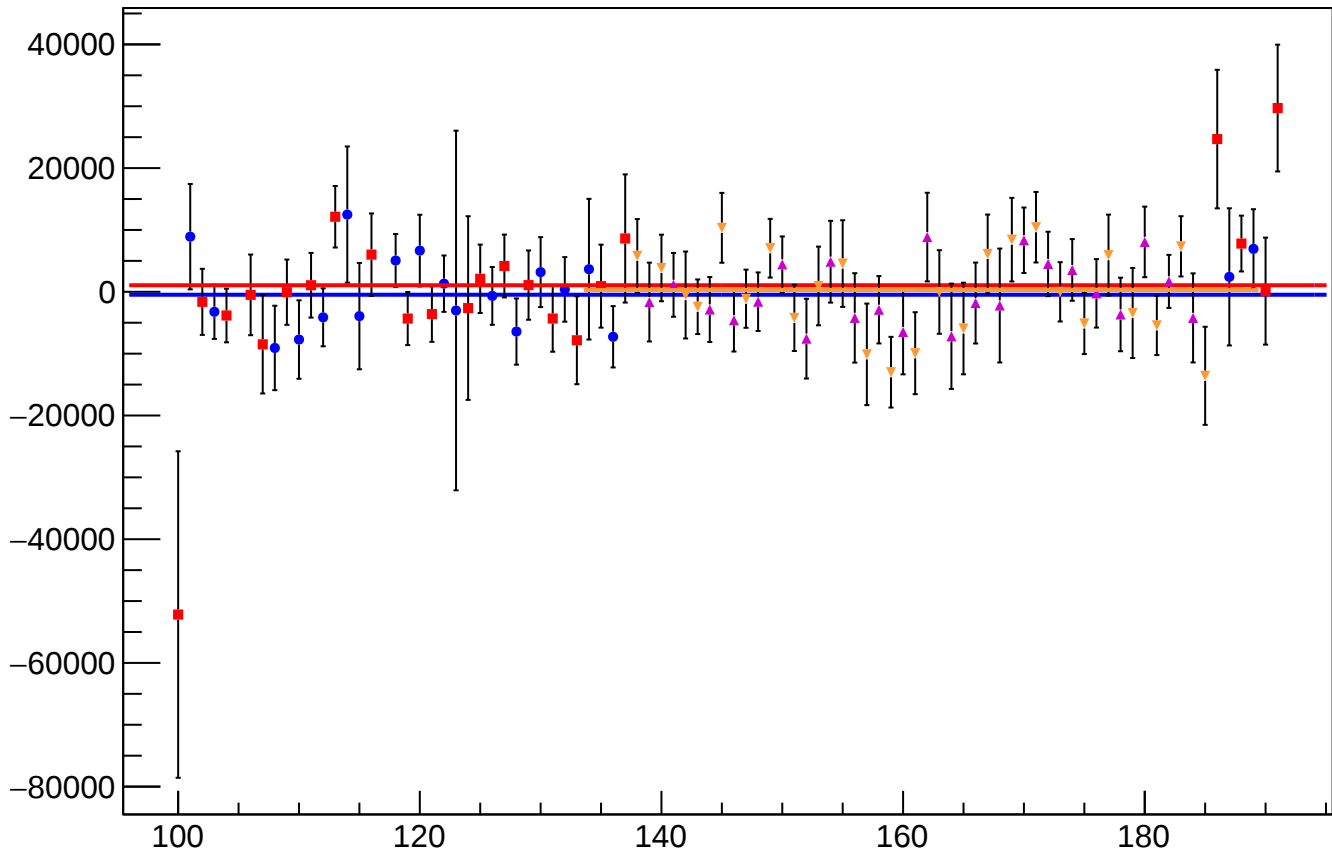
Left In: 4454.402 ± 0.771 χ^2/NDF : 1349758.1/22

+ sign 972.684 ± 0.240 χ^2/NDF : 34478237.0/43

All: 1134.647 ± 0.190 χ^2/NDF : 67752742.4/8

- sign 1407.457 ± 0.312 χ^2/NDF : 32055981.5/45

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: 1058.561 ± 1247.527 χ^2/NDF : 33.4/22

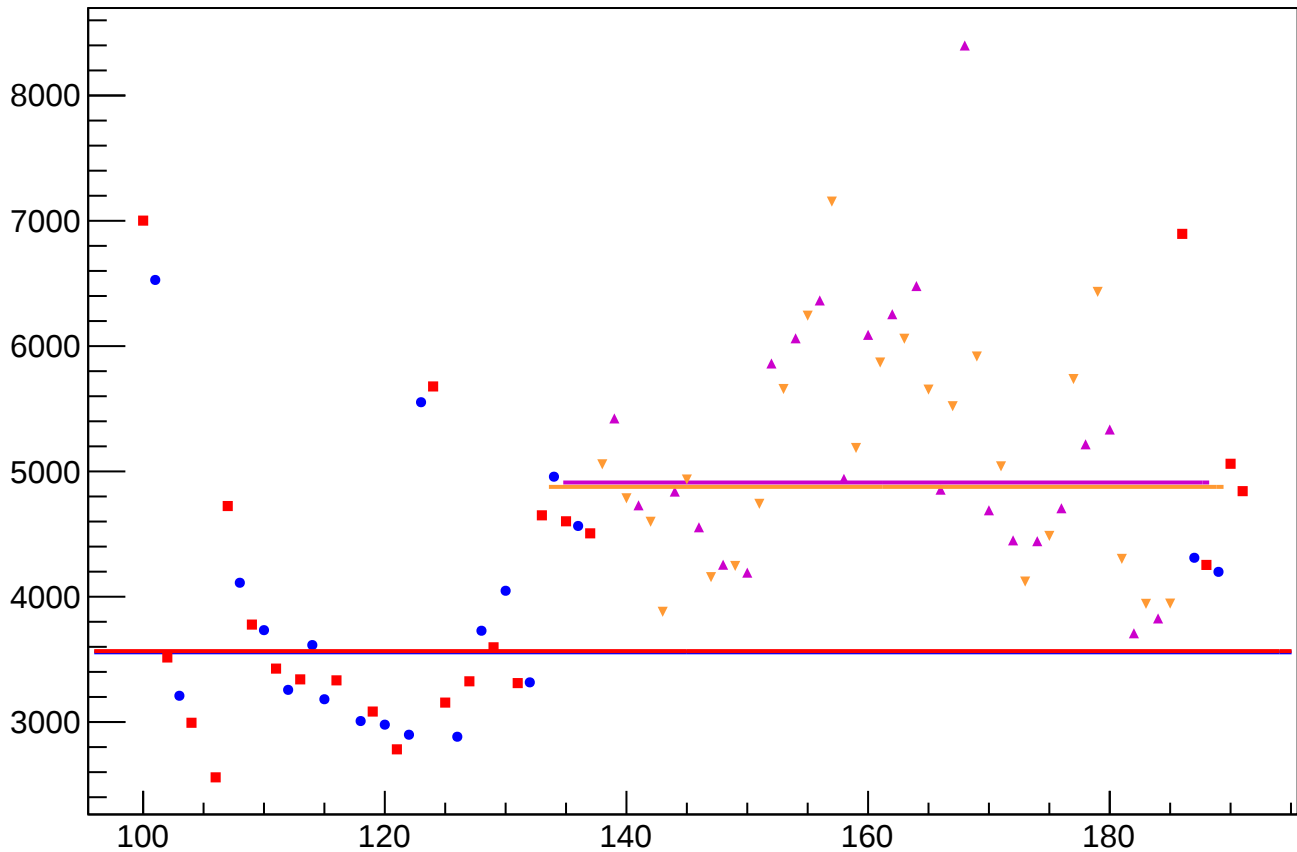
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign -31.824 ± 879.881 χ^2/NDF : 47.7/43

All: 330.954 ± 616.241 χ^2/NDF : 96.3/89

- sign 680.224 ± 863.345 χ^2/NDF : 48.2/45

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: 3566.006 $\pm$ 0.872 χ^2 /NDF: 772299.8/22

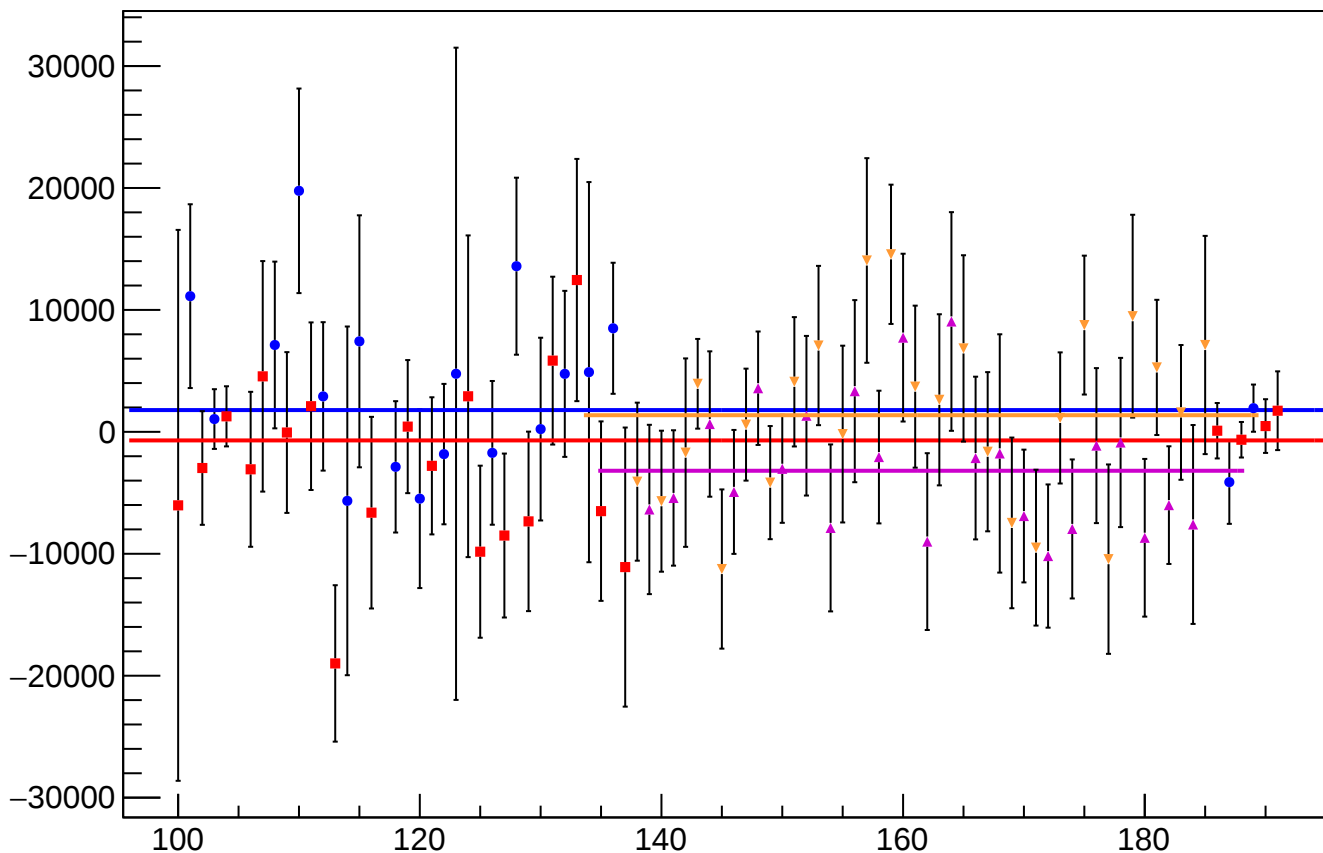
Left In: 4911.546 $\pm$ 0.846 χ^2 /NDF: 1043164.6/22

+ sign 4321.970 $\pm$ 0.622 χ^2 /NDF: 2661399.7/43

All: 4289.926 $\pm$ 0.435 χ^2 /NDF: 5708892.0/89

- sign 4259.415 $\pm$ 0.607 χ^2 /NDF: 3042314.1/45

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: -703.001 $\pm$ 819.616 χ^2/NDF : 19.4/22

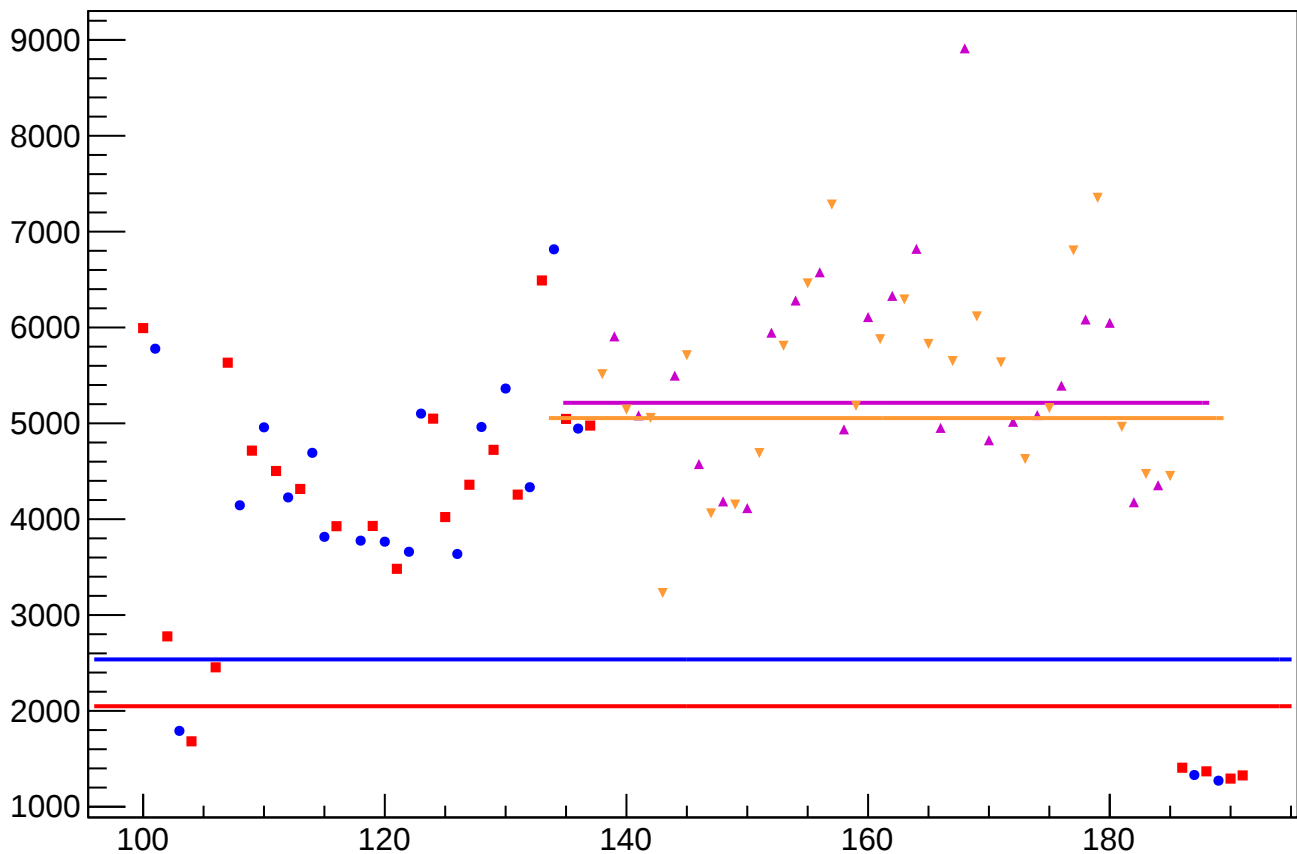
Left In: -3191.160 $\pm$ 1270.021 χ^2/NDF : 14.0/22

+ sign 1594.413 $\pm$ 813.450 χ^2/NDF : 45.4/43

All: -170.002 $\pm$ 525.600 χ^2/NDF : 89.6/89

- sign -1434.587 $\pm$ 688.660 χ^2/NDF : 36.1/45

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: 2048.817+/-0.578 χ^2/NDF : 4524220.7/22

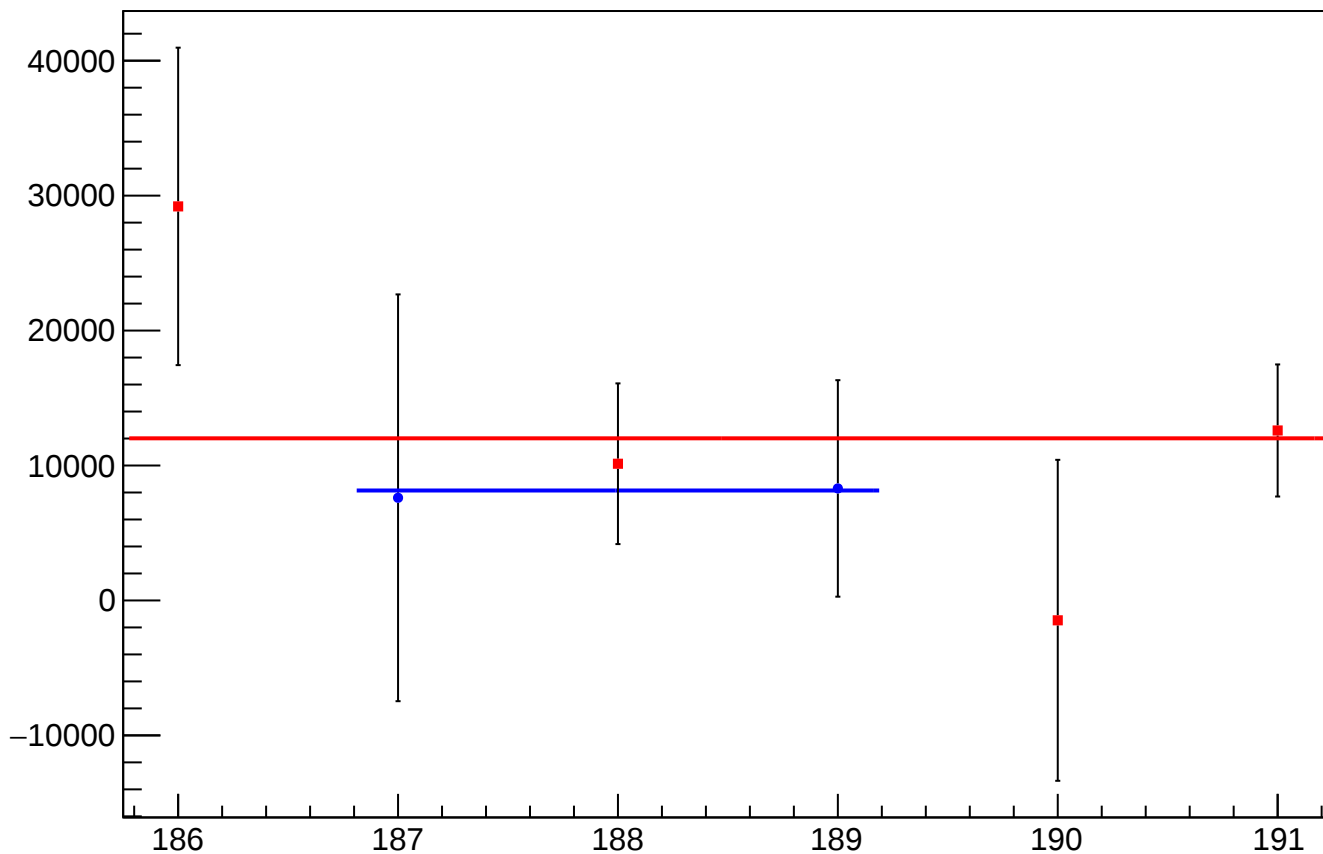
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 3681.861+/-0.575 χ^2/NDF : 9879019.2/43

All: 3269.461+/-0.371 χ^2/NDF : 25123831.6/8

- sign 2975.237+/-0.486 χ^2/NDF : 14364004.1/45

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: 12014.862+/-3445.118 χ^2/NDF : 3.5/3

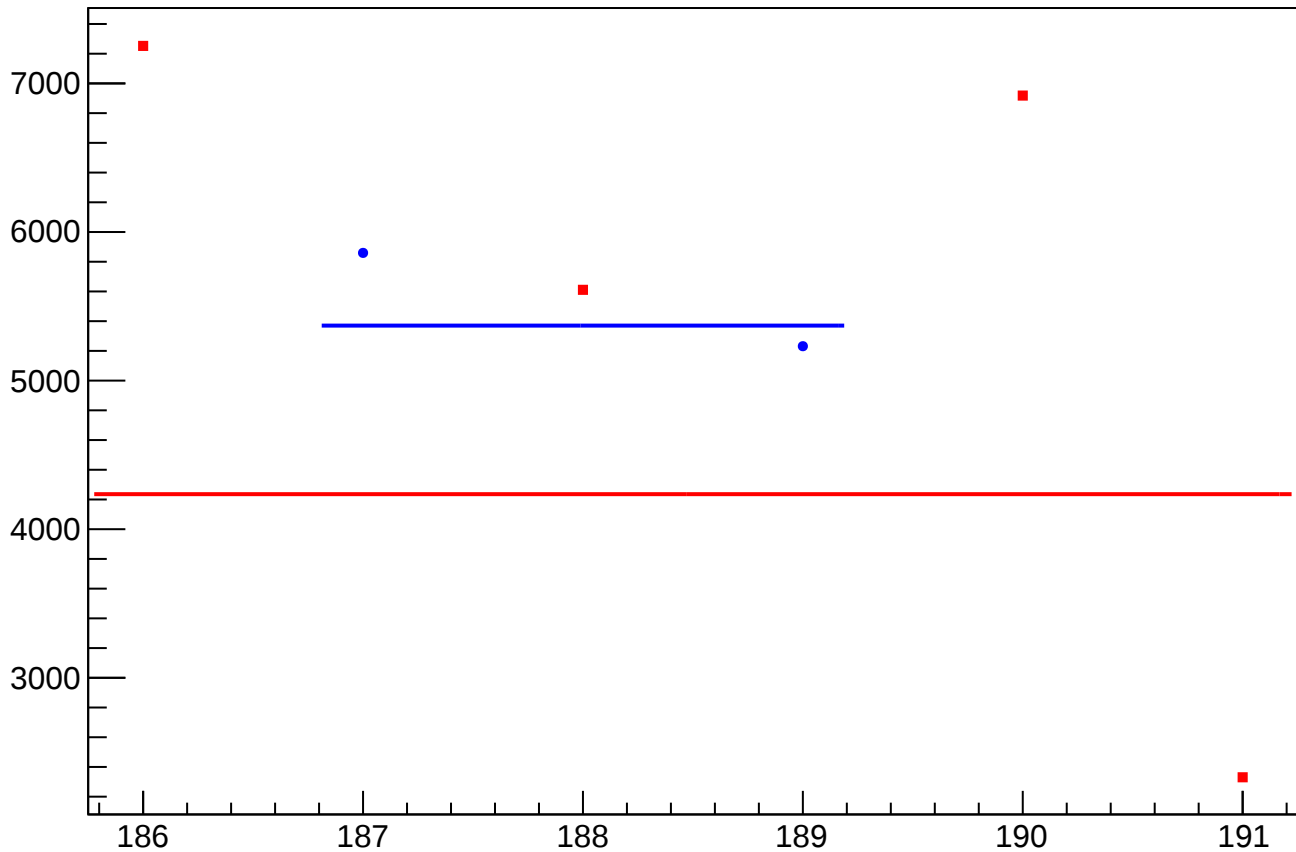
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 11274.887+/-3097.979 χ^2/NDF : 3.8/5

- 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: 4235.800 $\pm$ 2.436 χ^2 /NDF: 643109.1/3

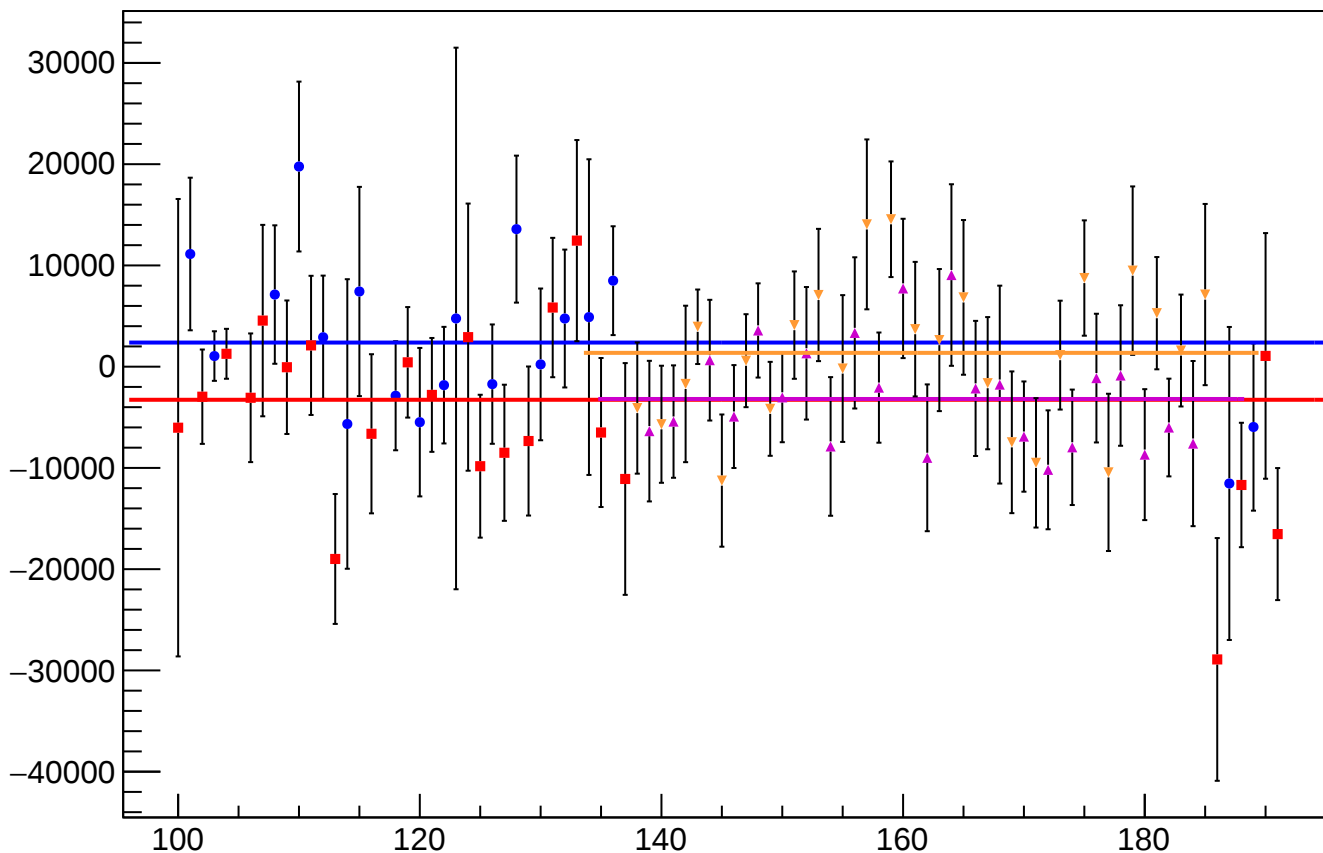
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 4452.890 $\pm$ 2.191 χ^2 /NDF: 687311.7/5

- 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: -3269.639 $\pm$ 1306.456 χ^2 /NDF: 29.2/22

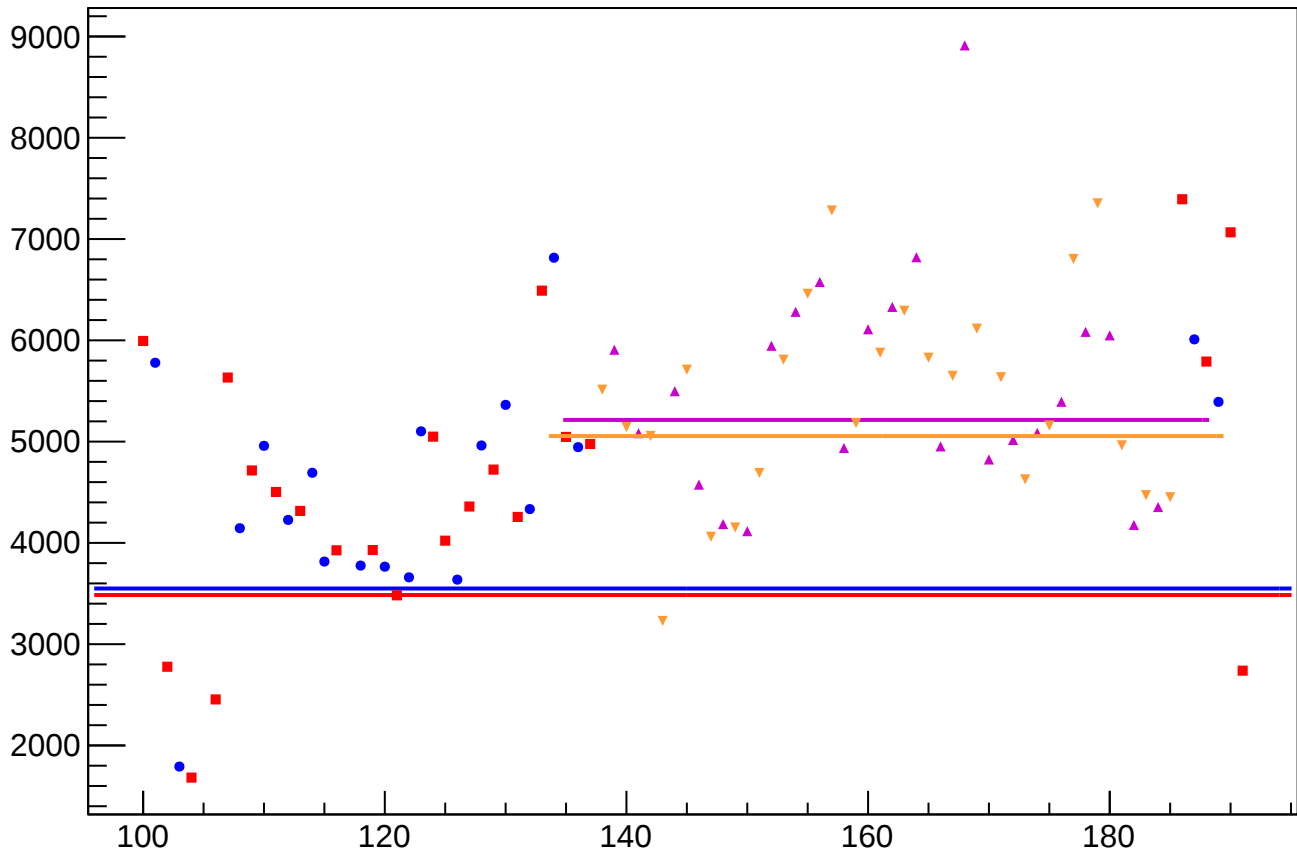
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 1788.881 $\pm$ 921.426 χ^2 /NDF: 44.1/43

All: -749.722 $\pm$ 647.703 χ^2 /NDF: 102.3/89

- sign -3229.290 $\pm$ 910.649 χ^2 /NDF: 43.2/45

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3549.664+/-1.010 χ^2/NDF : 1921857.4/18

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 3485.474+/-0.916 χ^2/NDF : 2640132.5/22

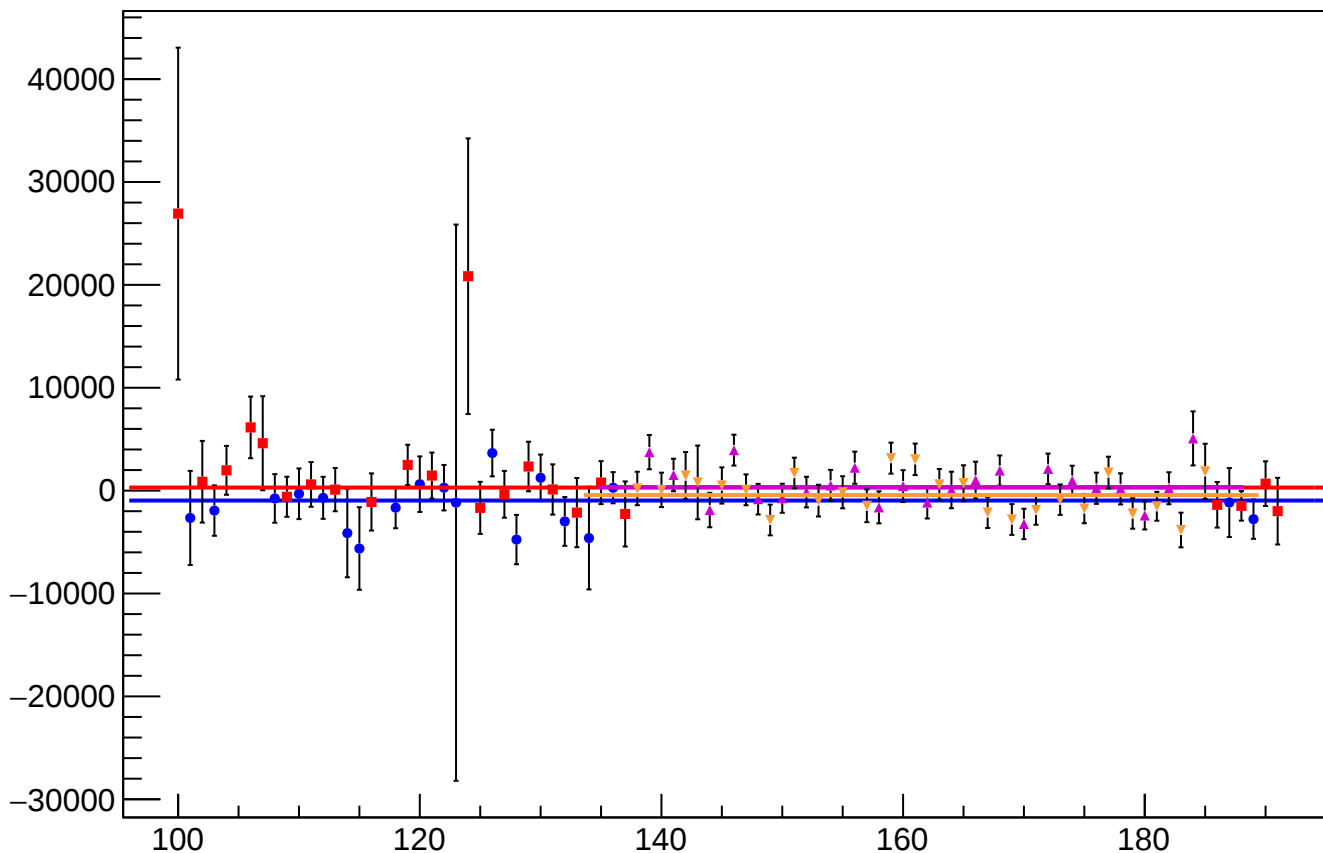
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 4427.827+/-0.652 χ^2/NDF : 4655904.5/43

All: 4397.005+/-0.457 χ^2/NDF : 10168406.8/8

- sign 4367.140+/-0.641 χ^2/NDF : 5508096.1/45

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: 299.544 $\pm$ 512.716 χ^2 /NDF: 17.6/22

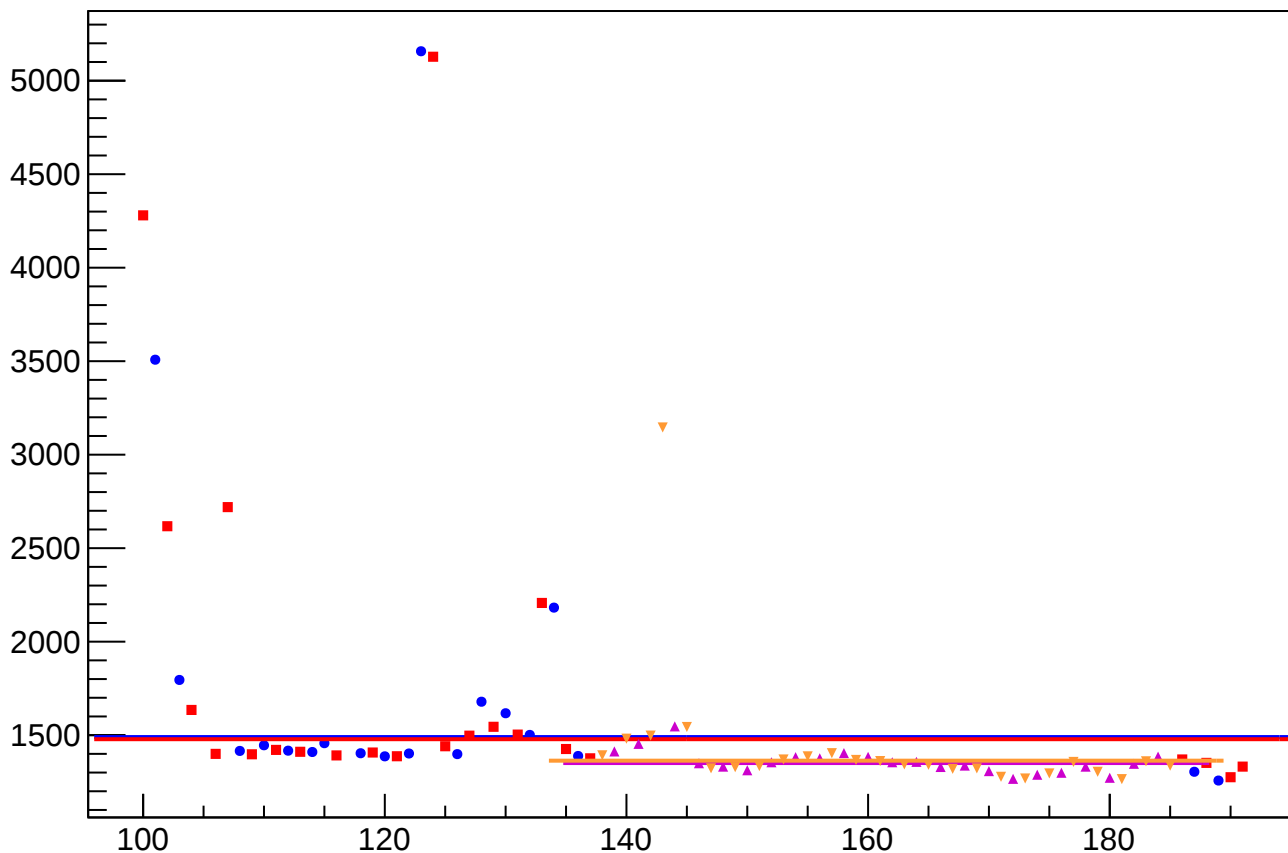
Left In: 343.737 $\pm$ 324.368 χ^2 /NDF:33.8/22

+ sign -559.605 $\pm$ 279.272 χ^2 /NDF: 47.3/43

All: -105.954 $\pm$ 195.627 χ^2 /NDF: 103.8/89

- sign 331.105 $\pm$ 274.118 χ^2 /NDF: 51.4/45

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: 1478.413+/-0.363 χ^2/NDF : 687185.4/22

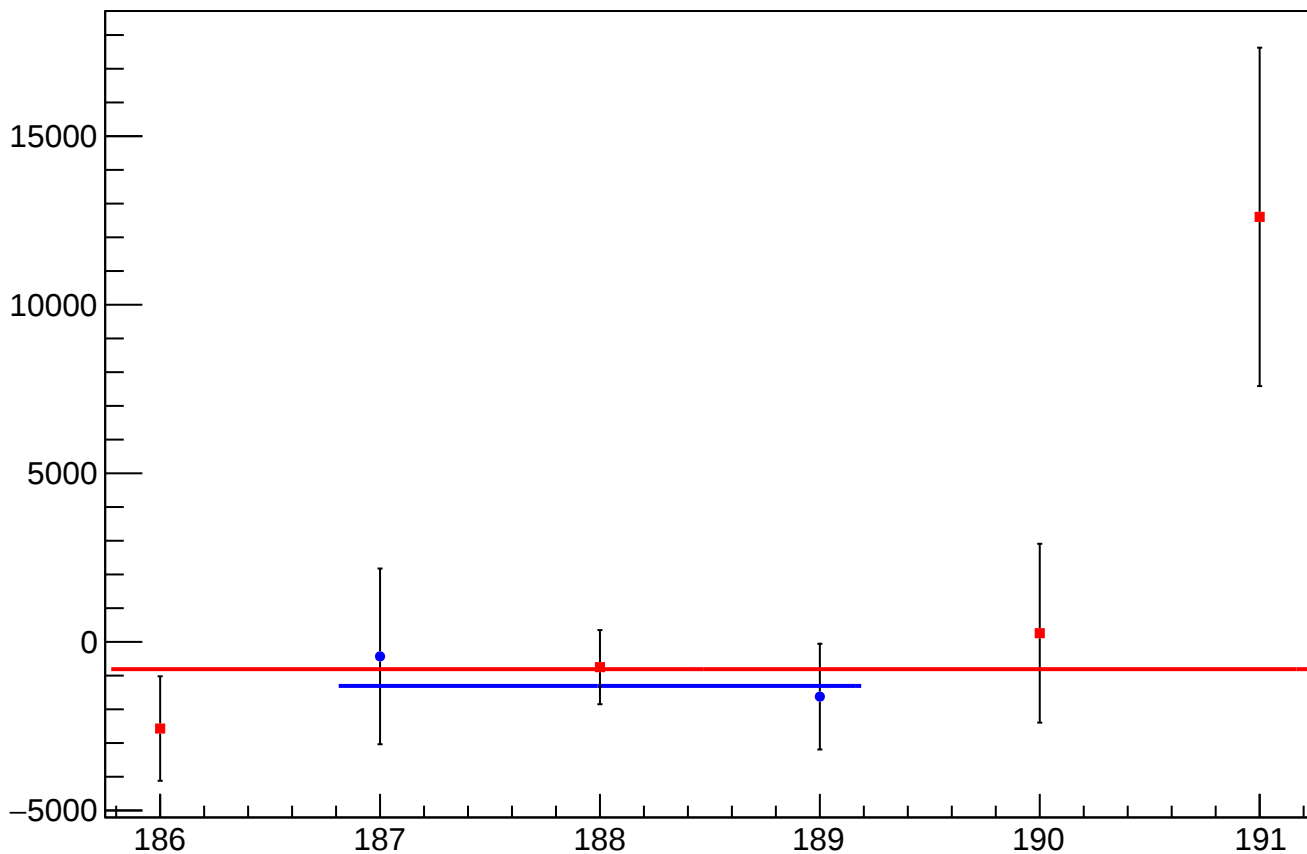
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1393.977+/-0.197 χ^2/NDF : 1228035.2/43

All: 1390.604+/-0.138 χ^2/NDF : 2071270.9/89

- sign 1387.355+/-0.194 χ^2/NDF : 842662.8/45

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -1305.933+/-1343.931 χ^2/NDF : 0.2/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -808.718+/-837.662 χ^2/NDF : 8.6/3

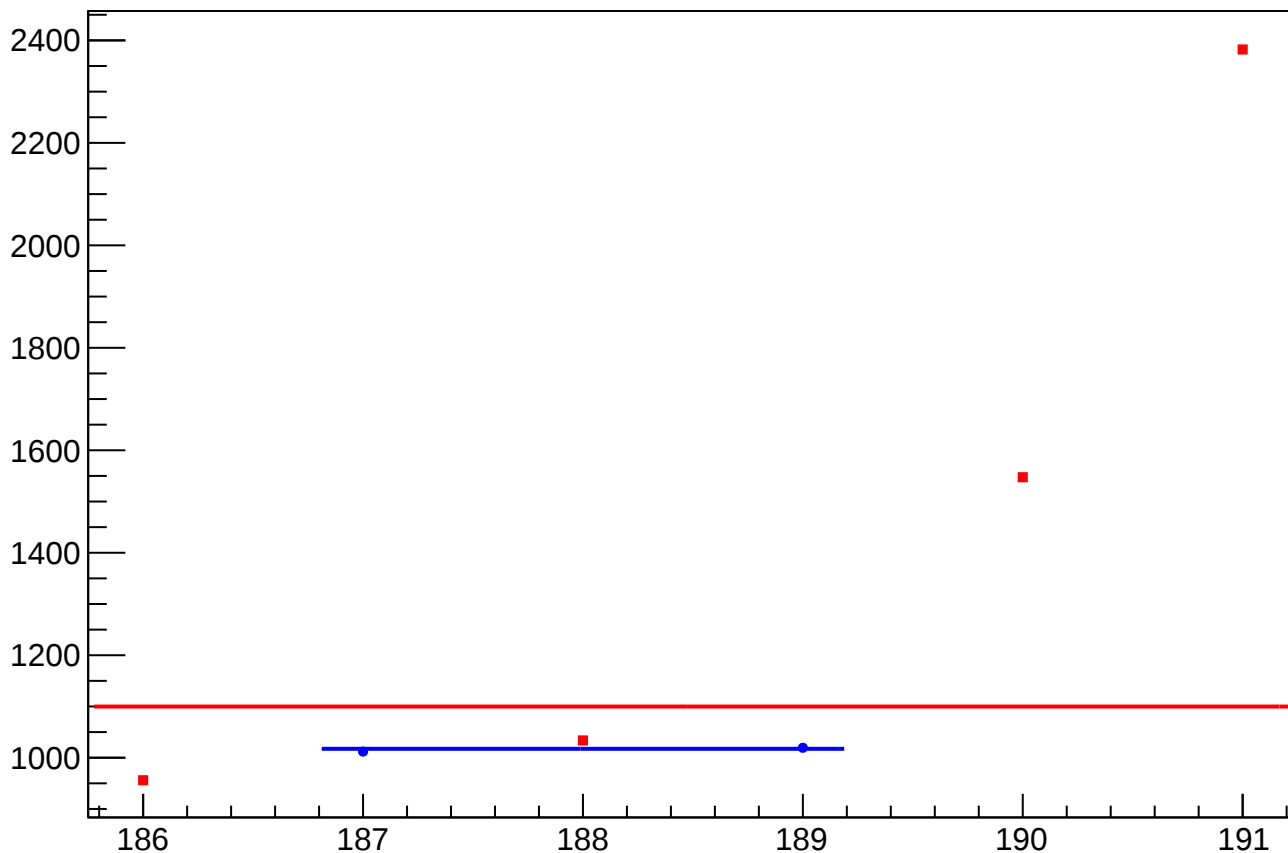
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -947.836+/-710.881 χ^2/NDF : 8.9/5

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1017.385 $\pm$ 0.950 χ^2 /NDF: 11.9/1

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1099.852 $\pm$ 0.592 χ^2 /NDF: 211957.4/3

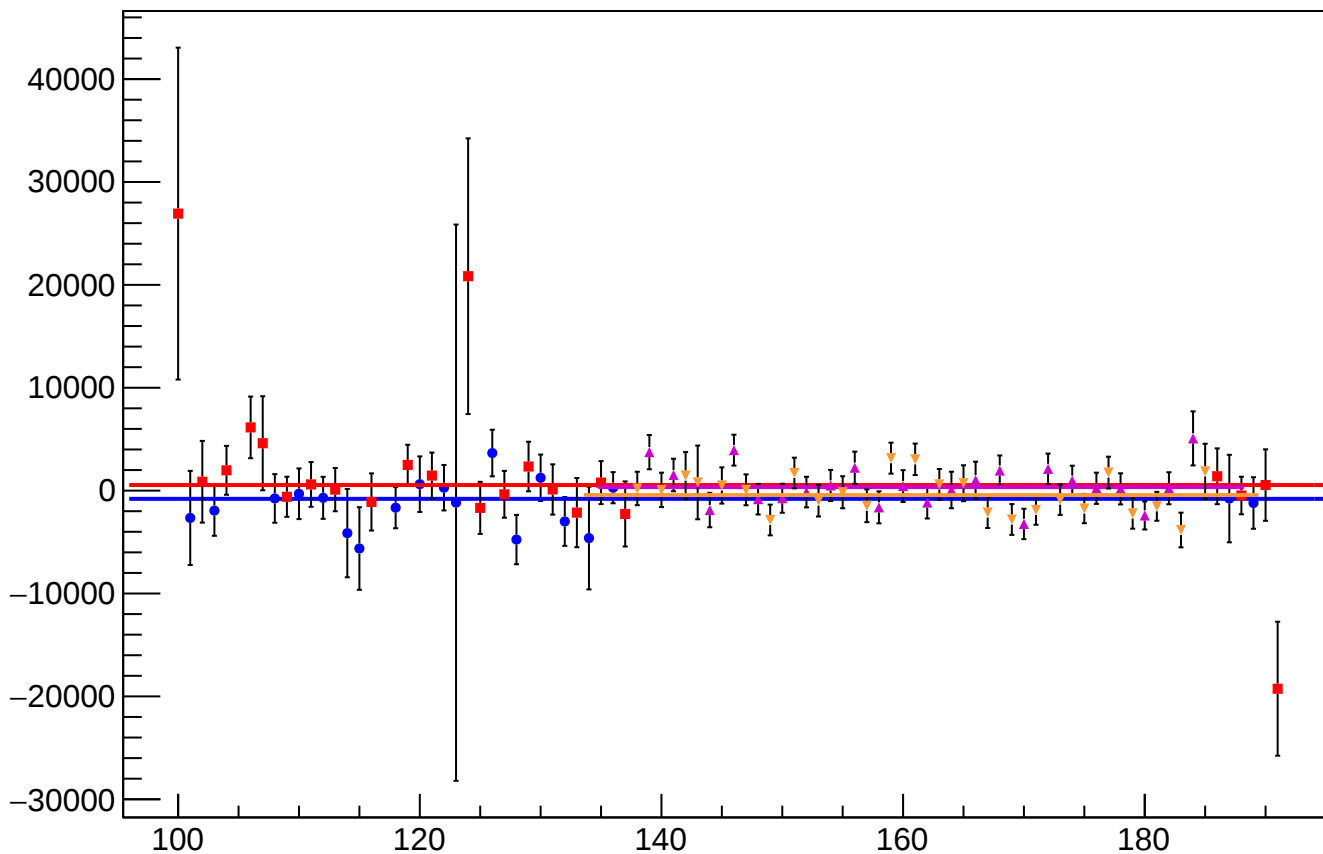
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1076.778 $\pm$ 0.503 χ^2 /NDF: 217393.0/5

- 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 $\pm$ 583.069 χ^2 /NDF: 12.6/18

Left Out: -431.715 $\pm$ 320.540 χ^2 /NDF:33.1/24

Right Out: 542.938 $\pm$ 546.207 χ^2 /NDF: 24.1/22

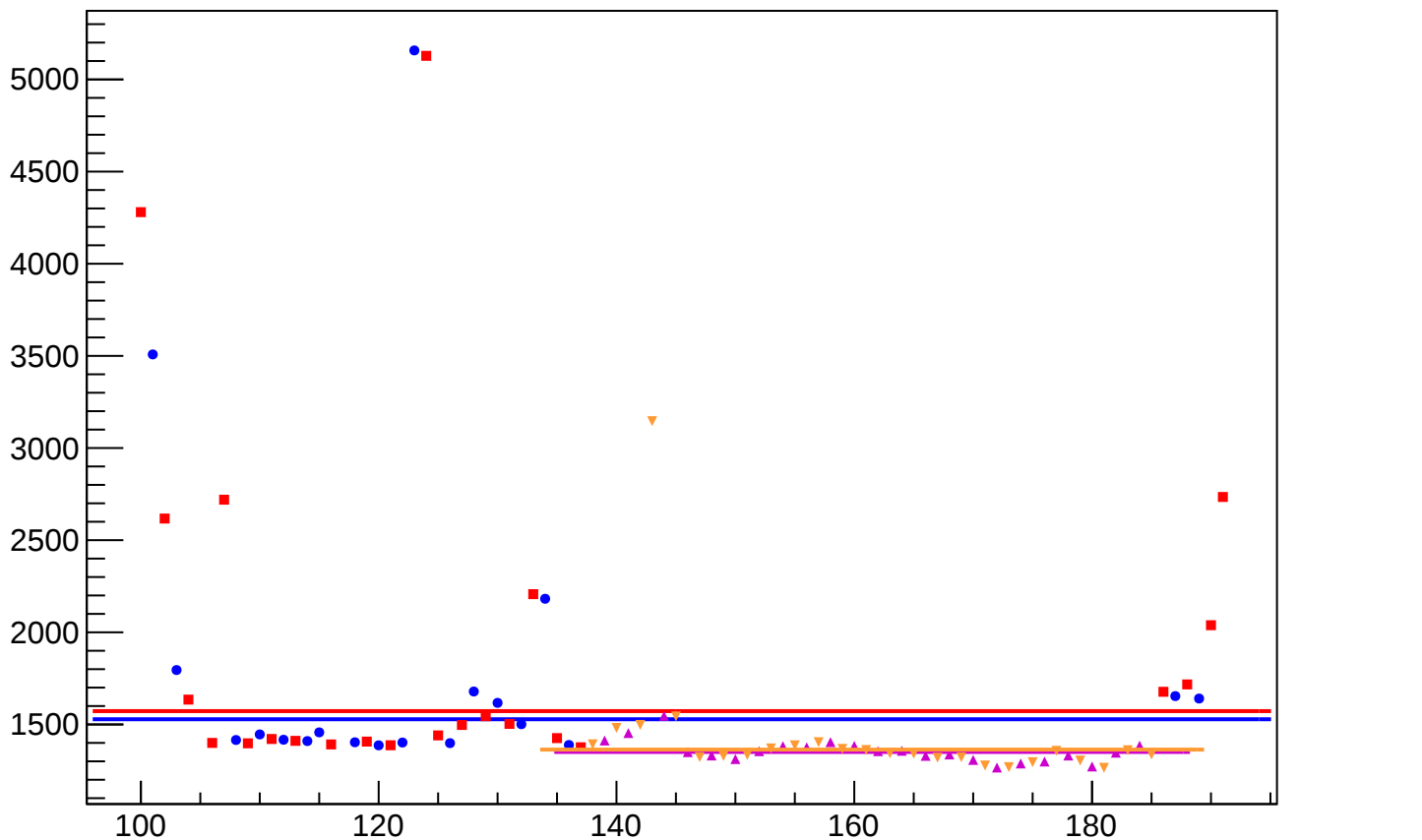
Left In: 343.737 $\pm$ 324.368 χ^2 /NDF:33.8/22

+ sign -516.668 $\pm$ 280.892 χ^2 /NDF: 45.9/43

All: -57.245 $\pm$ 197.912 χ^2 /NDF: 109.3/89

- sign 395.673 $\pm$ 278.897 χ^2 /NDF: 58.0/45

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: 1572.520+/-0.386 χ^2/NDF : 757389.9/22

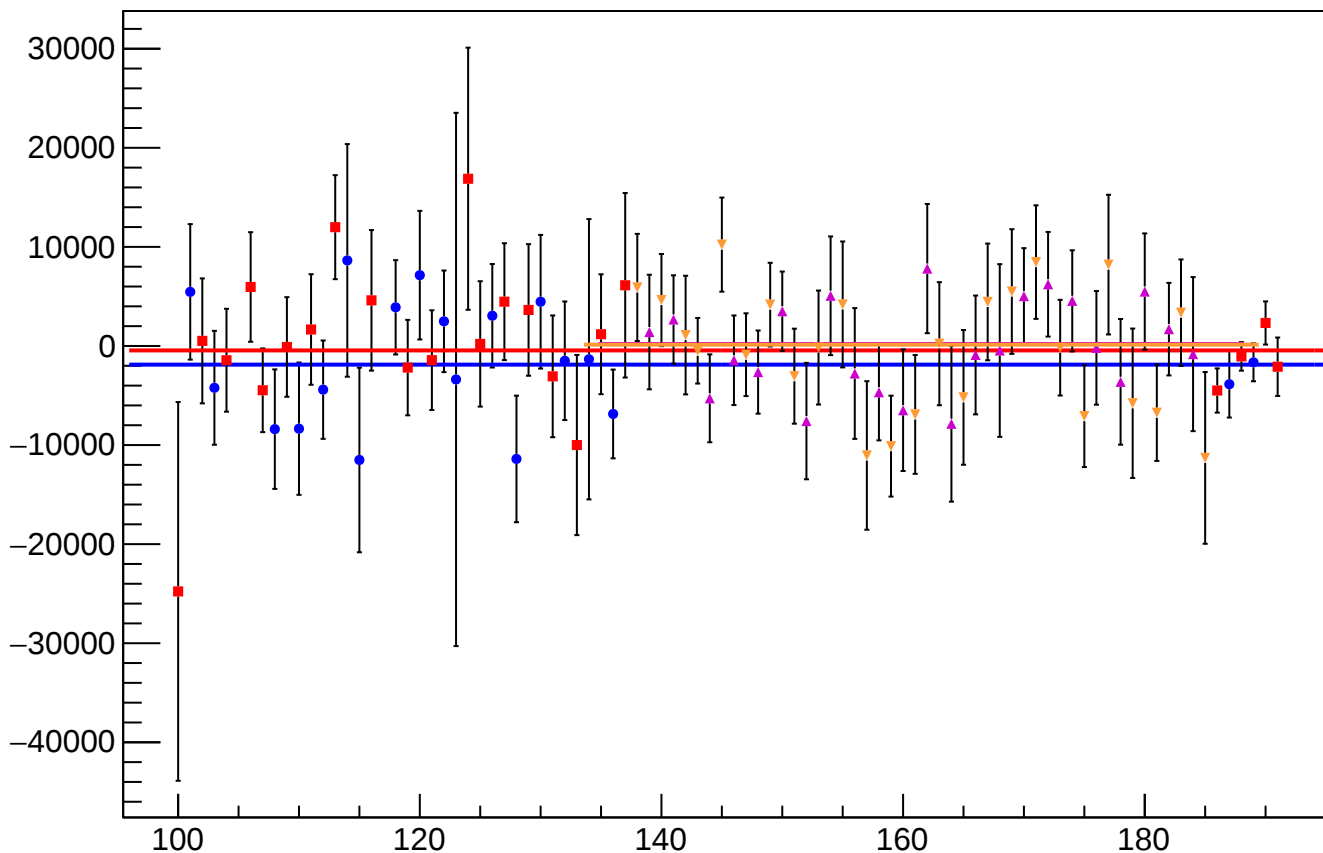
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1401.792+/-0.199 χ^2/NDF : 1241721.8/43

All: 1405.264+/-0.140 χ^2/NDF : 2310258.1/89

- sign 1408.688+/-0.197 χ^2/NDF : 1067929.3/45

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: -448.722 $\pm$ 807.767 χ^2 /NDF: 20.4/22

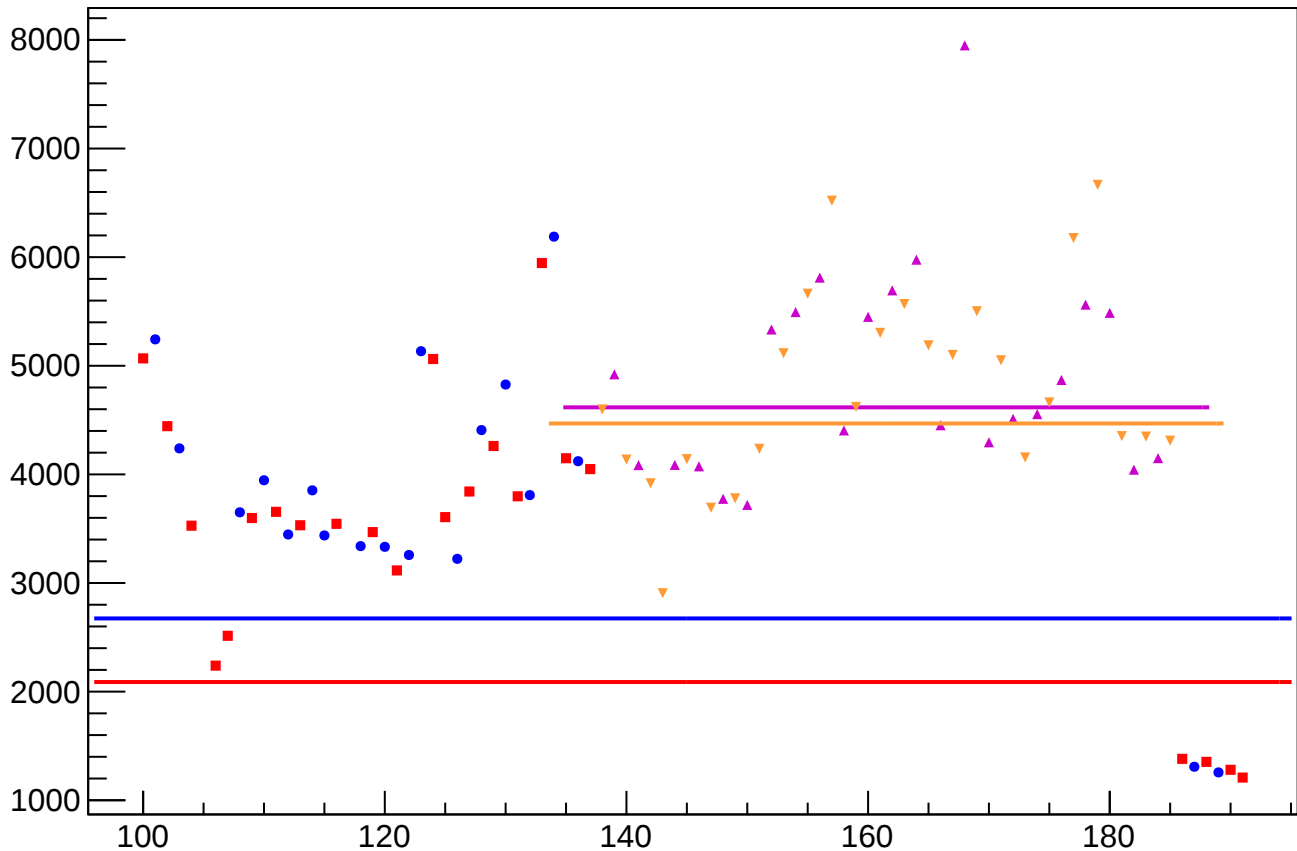
Left In: 200.182 $\pm$ 1123.499 χ^2 /NDF: 14.7/22

+ sign -824.635 $\pm$ 772.226 χ^2 /NDF: 45.1/43

All: -477.782 $\pm$ 499.891 χ^2 /NDF: 80.8/89

- sign -227.594 $\pm$ 655.849 χ^2 /NDF: 35.4/45

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: 2088.345 $\pm$ 0.569 χ^2 /NDF: 3943297.7/22

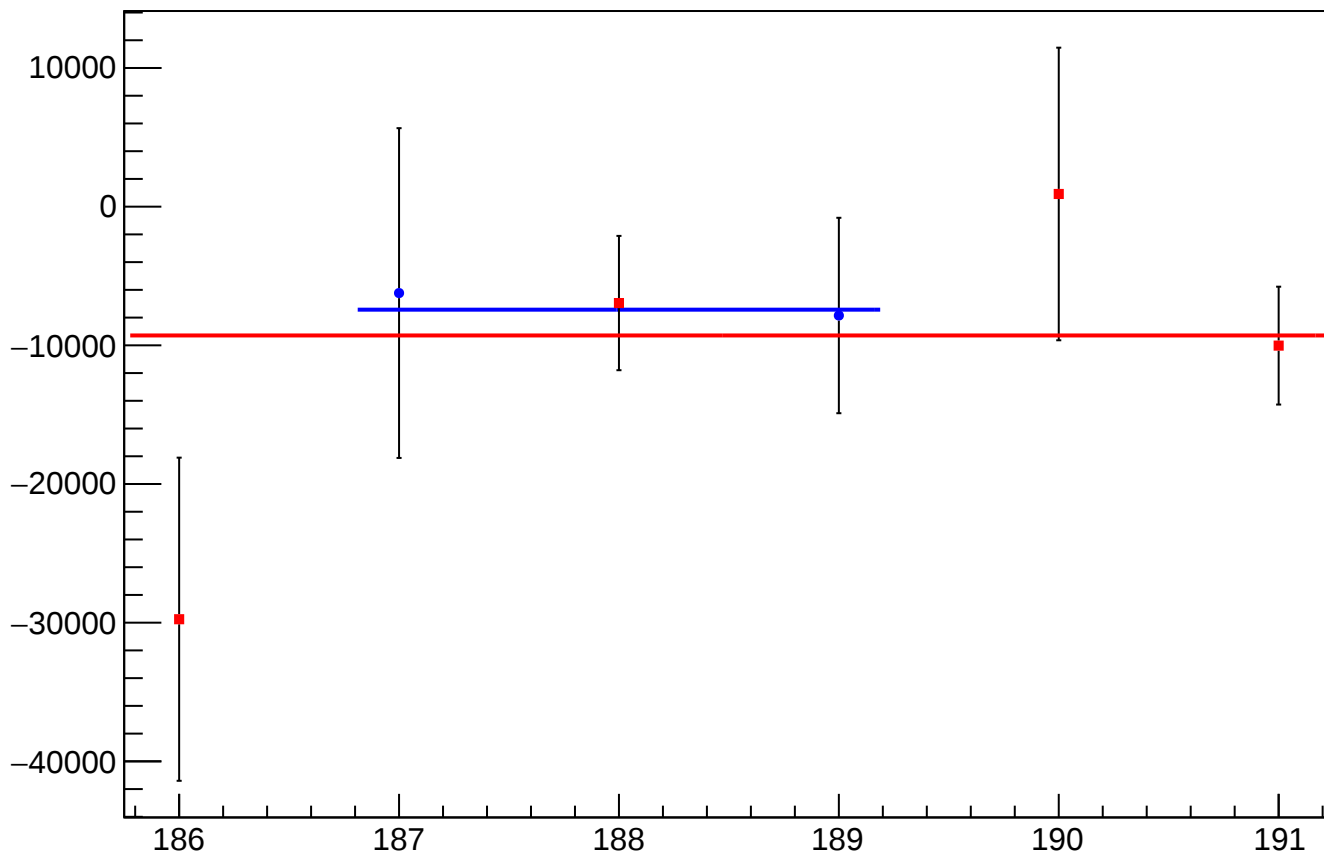
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 3616.468 $\pm$ 0.546 χ^2 /NDF: 7021596.4/43

All: 3226.605 $\pm$ 0.353 χ^2 /NDF: 19535138.4/8

- sign 2946.559 $\pm$ 0.463 χ^2 /NDF: 11637603.0/45

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -7428.358 $\pm$ 6061.889 χ^2 /NDF: 0.0/1

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: -9287.920 $\pm$ 2957.146 χ^2 /NDF: 4.3/3

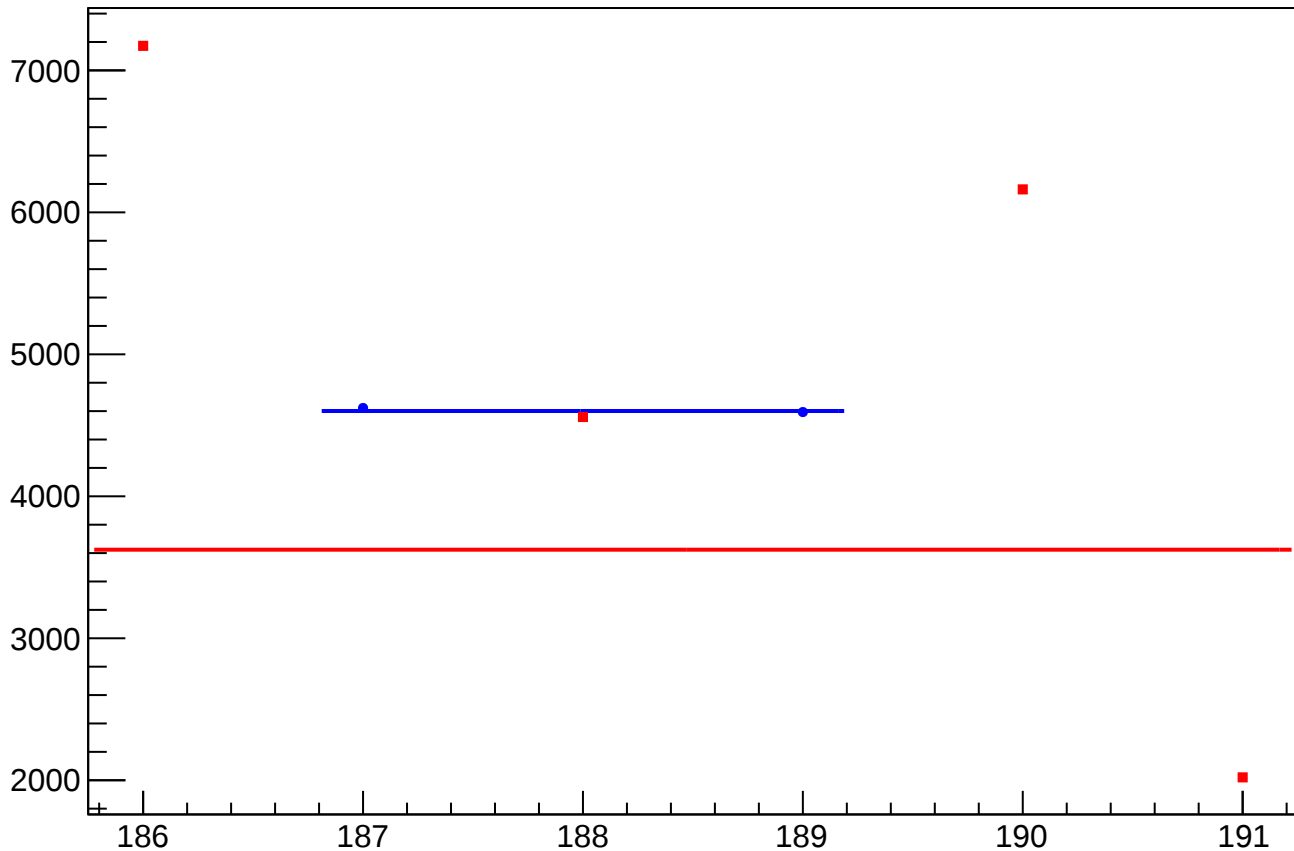
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -8930.459 $\pm$ 2657.768 χ^2 /NDF: 4.4/5

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 4600.878+/-4.286 χ^2/NDF : 8.6/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 3623.991+/-2.091 χ^2/NDF : 660542.8/3

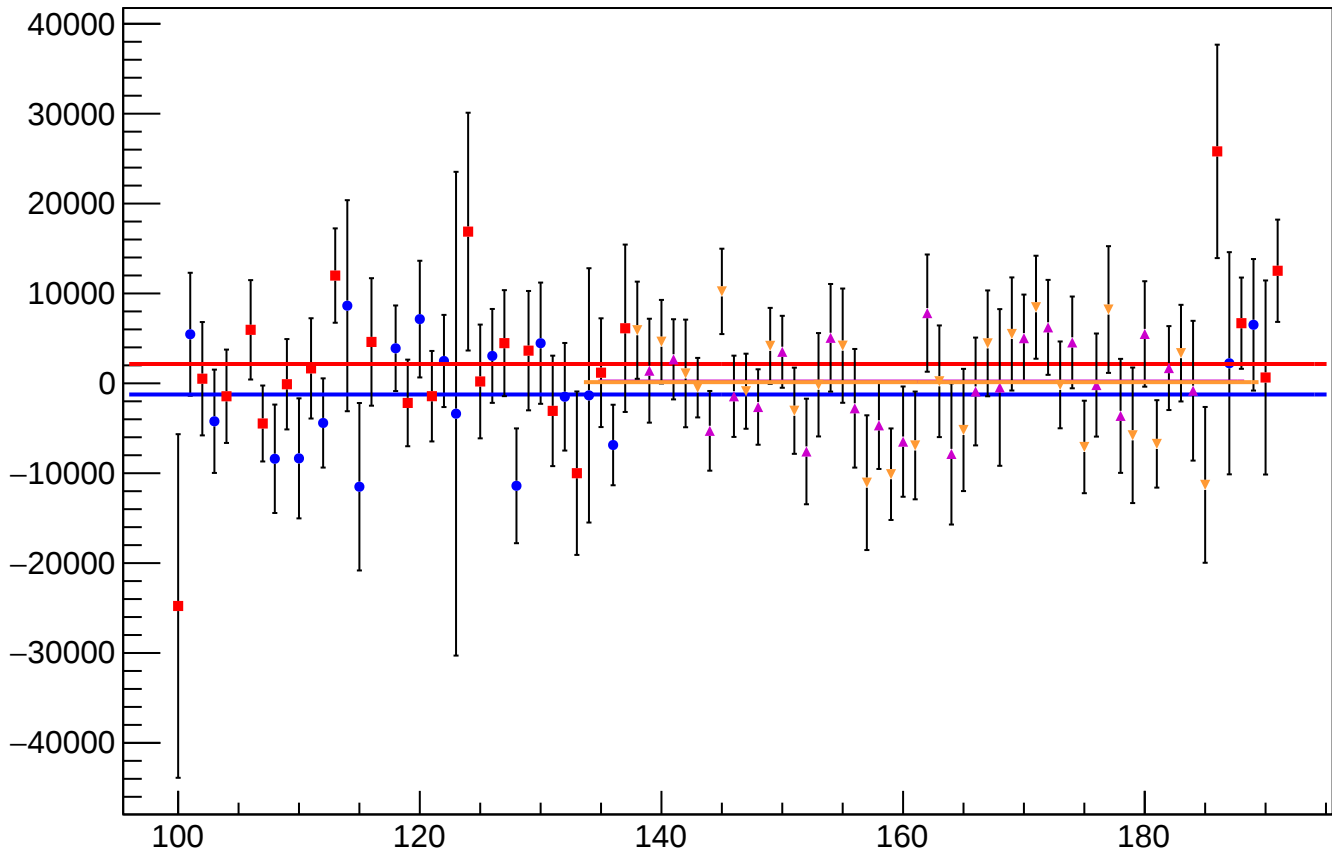
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 3811.776+/-1.879 χ^2/NDF : 702507.1/5

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1240.956 ± 1475.415 $\chi^2/\text{NDF}: 16.2/18$

Left Out: 132.142 ± 1065.543 $\chi^2/\text{NDF}: 28.1/24$

Right Out: 2151.839 ± 1281.366 $\chi^2/\text{NDF}: 23.0/22$

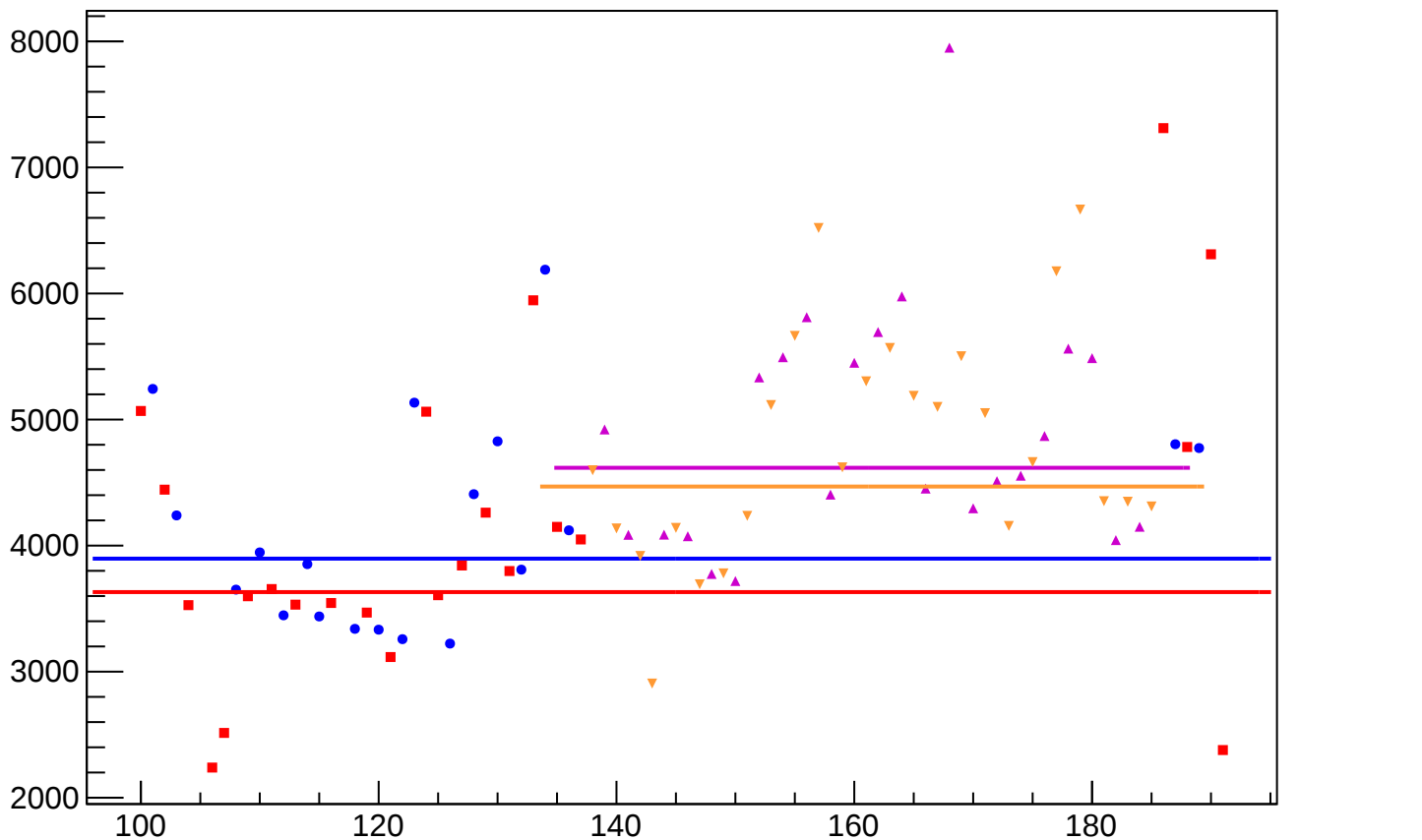
Left In: 200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

+ sign -338.534 ± 863.823 $\chi^2/\text{NDF}: 44.9/43$

All: 370.422 ± 603.965 $\chi^2/\text{NDF}: 85.2/89$

- sign 1048.444 ± 844.766 $\chi^2/\text{NDF}: 39.0/45$

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: 3631.407+/-0.899 χ^2 /NDF: 1082849.1/22

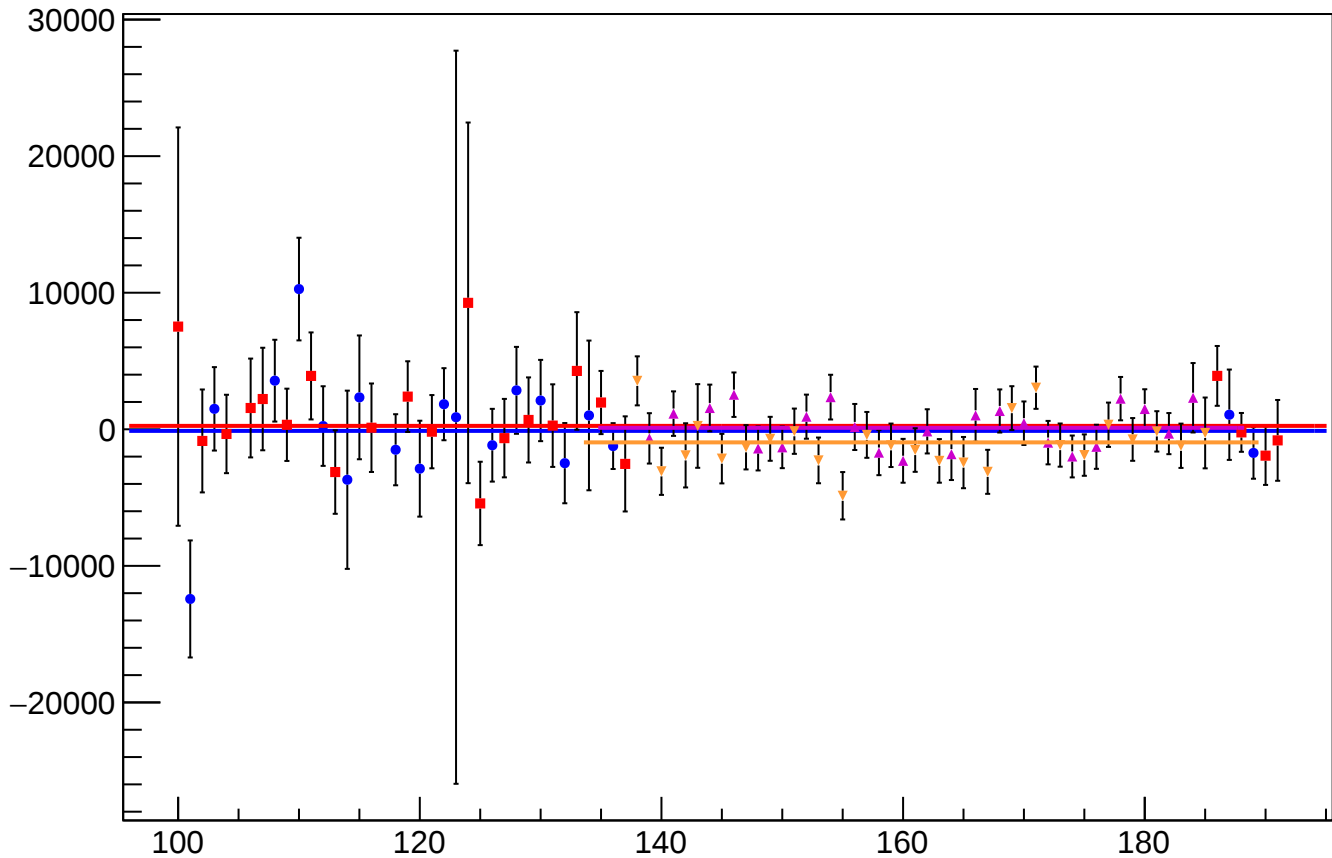
Left In: 4617.293+/-0.794 χ^2 /NDF:999599.8/22

+ sign 4272.474+/-0.611 χ^2 /NDF: 1946881.8/43

All: 4227.592+/-0.426 χ^2 /NDF: 4715207.4/89

- sign 4184.961+/-0.595 χ^2 /NDF: 2757797.8/45

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: 249.963 ± 589.130 χ^2/NDF : 14.2/22

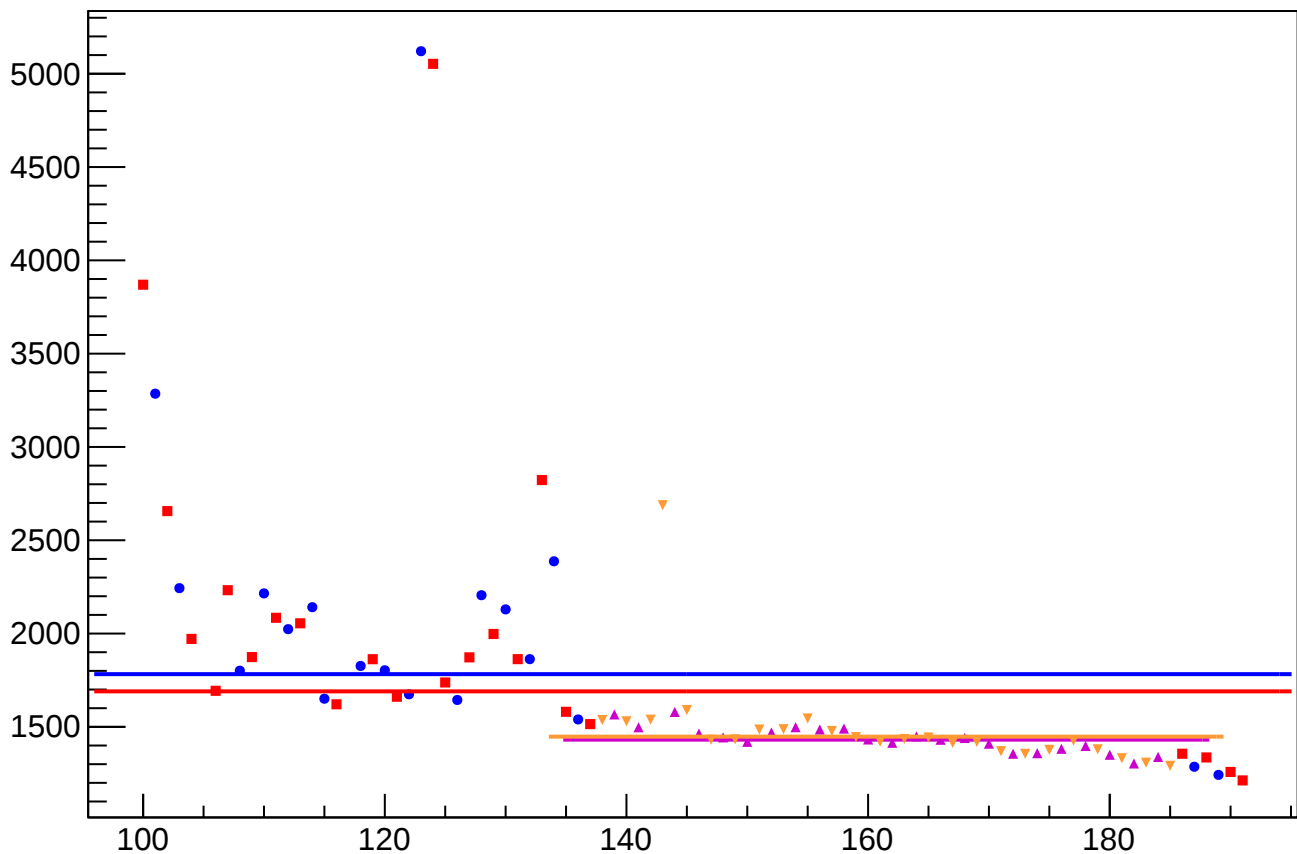
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -792.082 ± 304.125 χ^2/NDF : 53.0/43

All: -312.873 ± 212.429 χ^2/NDF : 91.6/89

- sign 143.679 ± 296.848 χ^2/NDF : 33.7/45

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1782.485 $\pm$ 0.484 χ^2 /NDF: 718264.6/18

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1690.251 $\pm$ 0.417 χ^2 /NDF: 932132.1/22

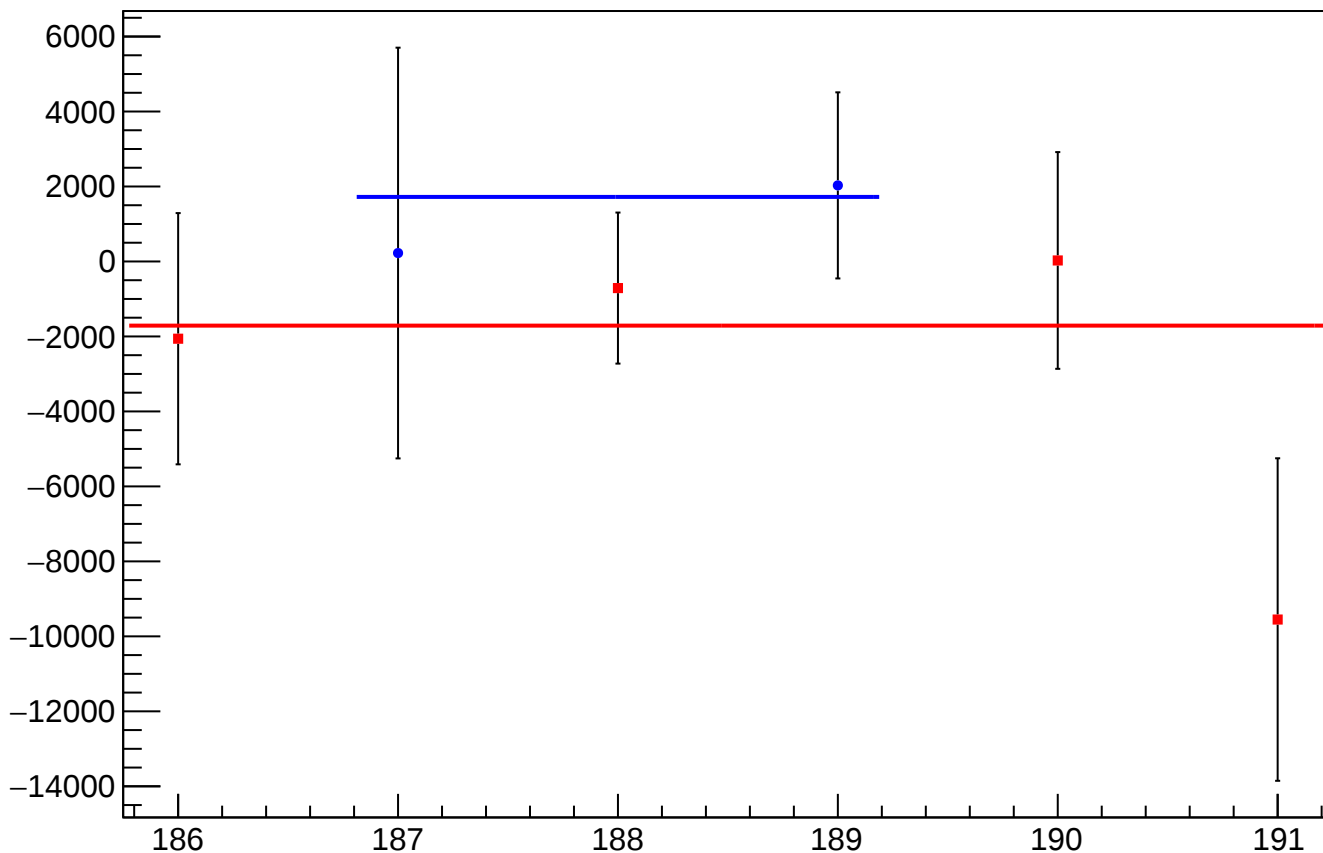
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1513.711 $\pm$ 0.215 χ^2 /NDF: 1522011.1/43

All: 1505.236 $\pm$ 0.150 χ^2 /NDF: 2820265.8/89

- sign 1497.162 $\pm$ 0.210 χ^2 /NDF: 1295222.1/45

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1722.009+/-2260.946 χ^2/NDF : 0.1/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -1711.283+/-1401.408 χ^2/NDF : 3.9/3

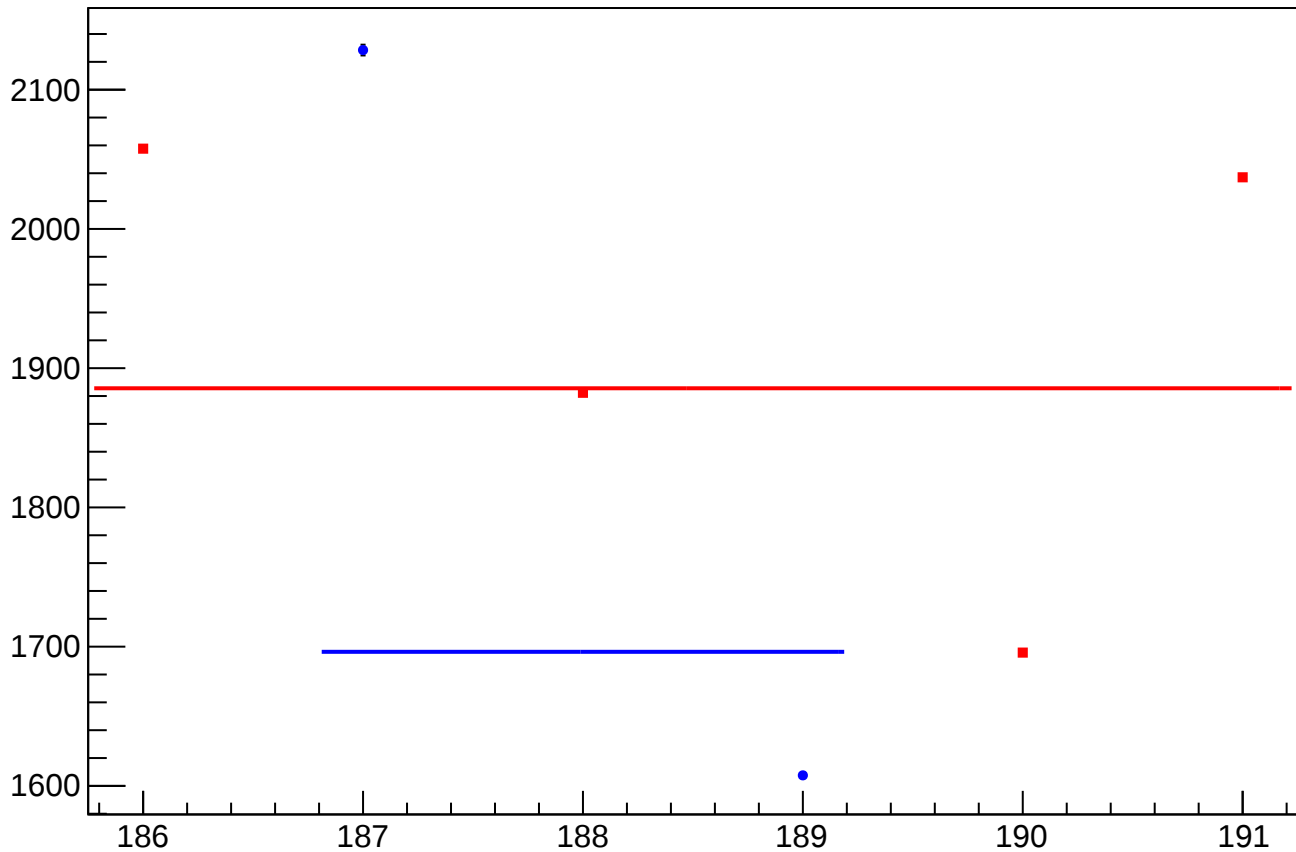
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -758.349+/-1191.150 χ^2/NDF : 5.7/5

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1696.295+/-1.599 χ^2/NDF : 15002.0/1

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1885.563+/-0.991 χ^2/NDF : 16386.0/3

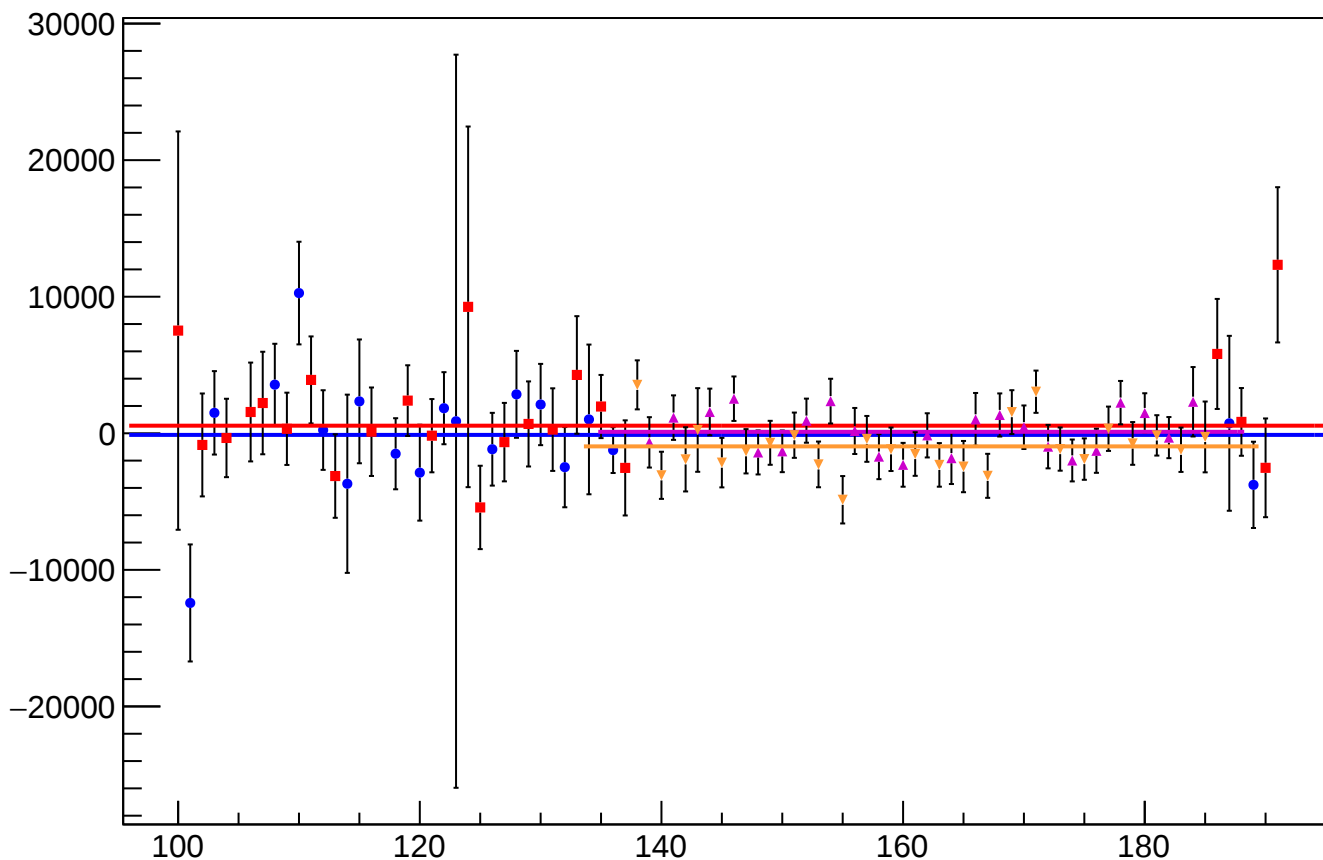
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1833.030+/-0.842 χ^2/NDF : 41513.3/5

- 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: 557.077 ± 677.689 χ^2/NDF : 17.0/22

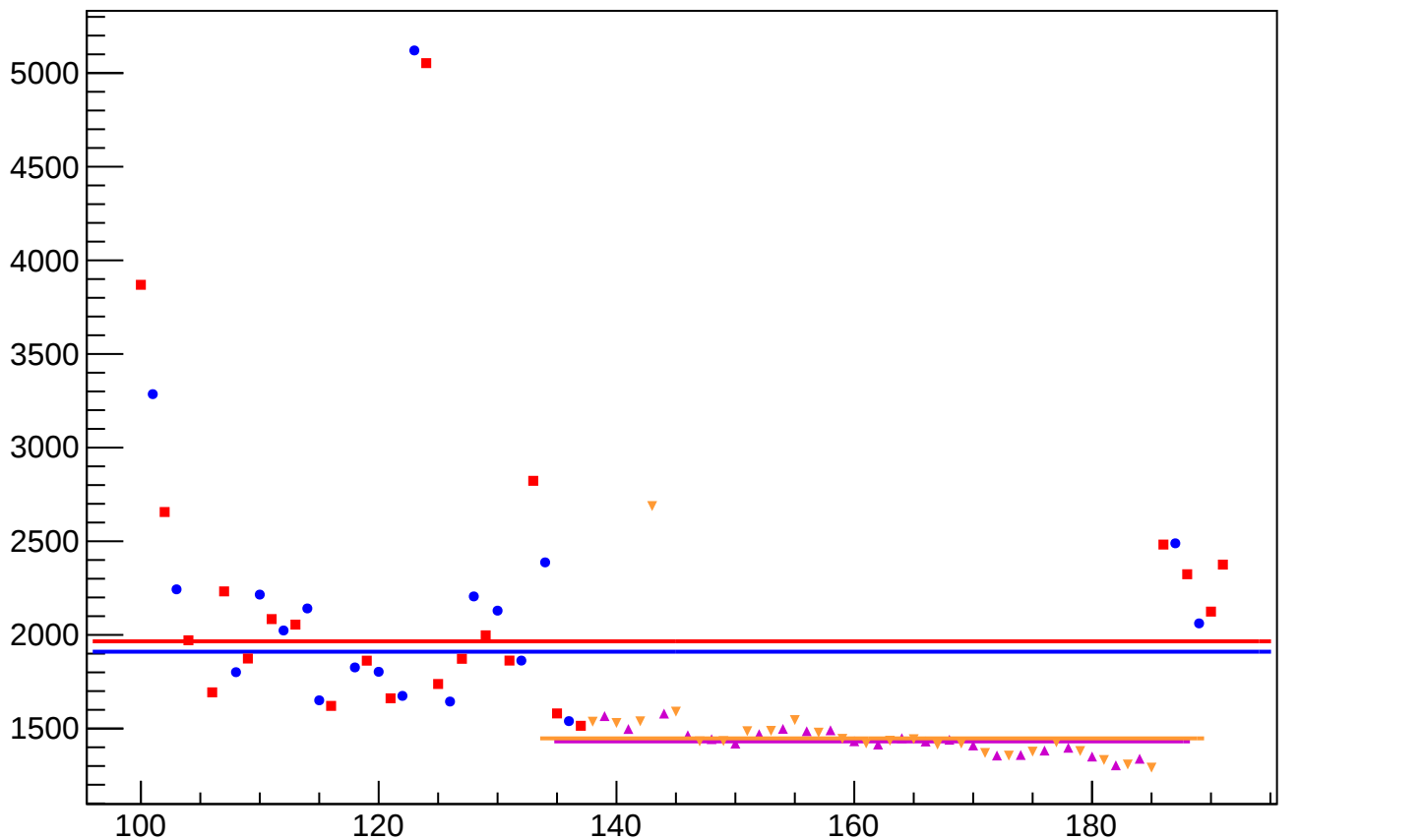
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -808.138 ± 307.653 χ^2/NDF : 53.4/43

All: -302.448 ± 217.136 χ^2/NDF : 95.6/89

- sign 199.474 ± 306.505 χ^2/NDF : 36.8/45

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1910.381+/-0.514 χ^2/NDF : 488328.6/18

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1965.720+/-0.479 χ^2/NDF : 563394.6/22

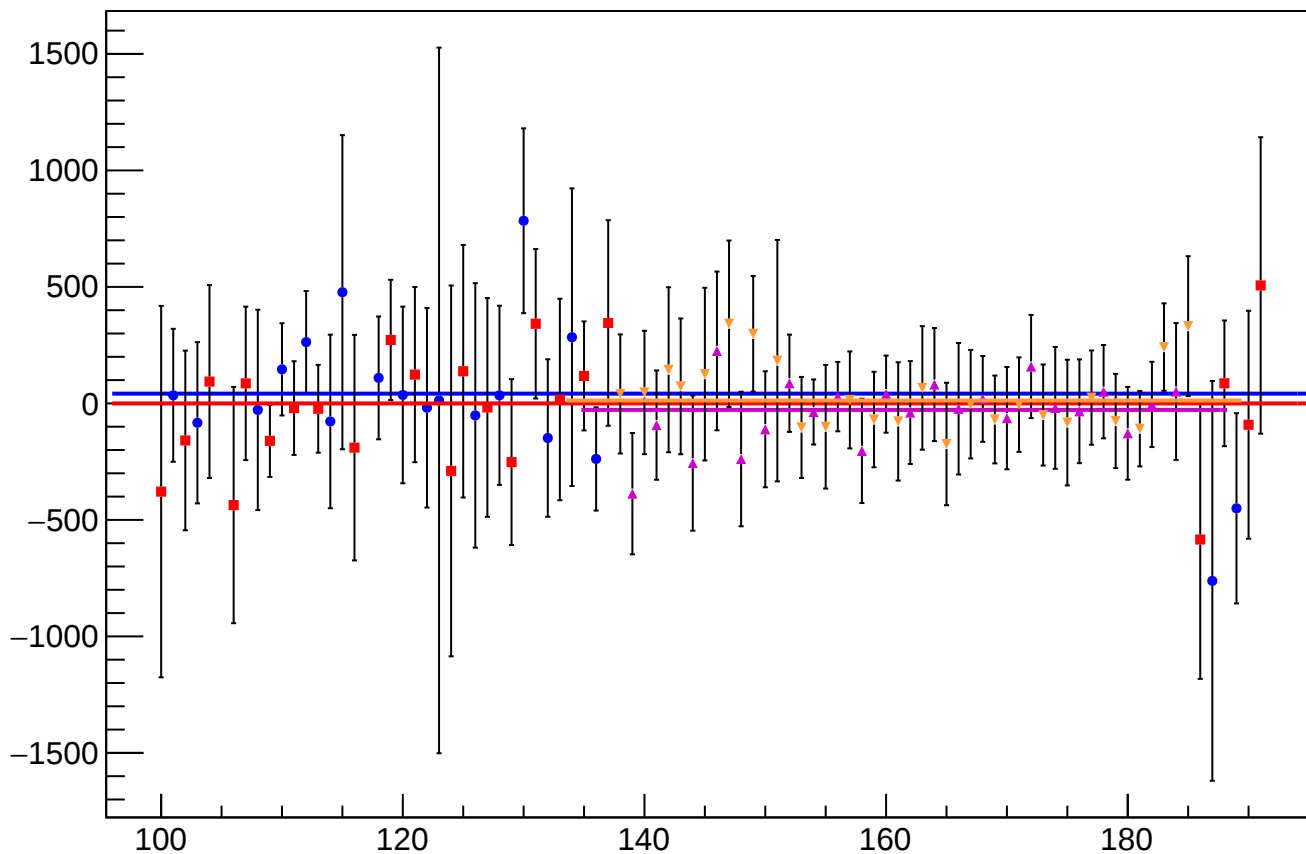
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1530.306+/-0.218 χ^2/NDF : 1572177.6/43

All: 1535.545+/-0.154 χ^2/NDF : 3200638.8/89

- sign 1540.745+/-0.217 χ^2/NDF : 1627305.6/45

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: 0.006 $\pm$ 66.350 χ^2 /NDF: 8.2/22

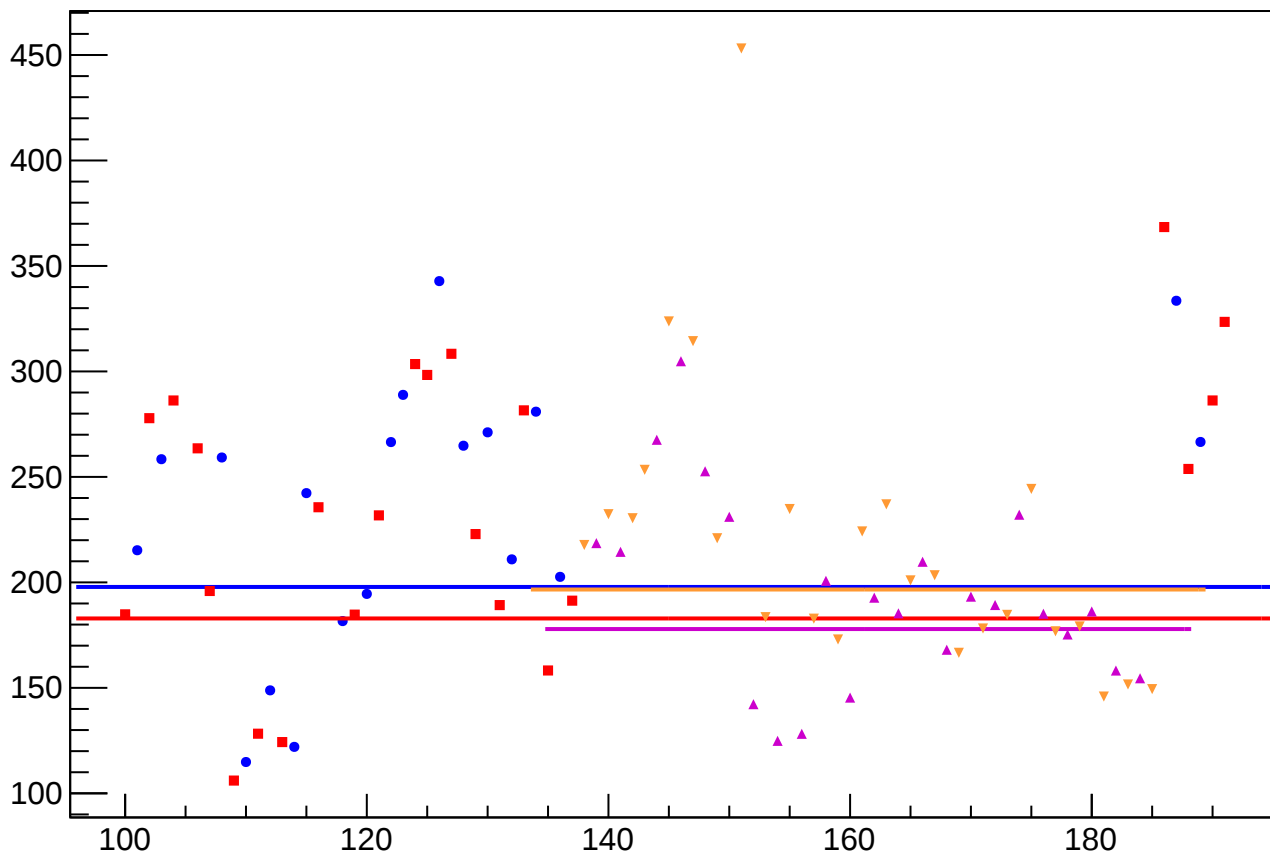
Left In: -27.921 $\pm$ 44.523 χ^2 /NDF: 6.5/22

+ sign 20.551 $\pm$ 40.565 χ^2 /NDF: 17.8/43

All: -1.190 $\pm$ 27.325 χ^2 /NDF: 33.1/89

- sign -19.250 $\pm$ 36.971 χ^2 /NDF: 14.8/45

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: 182.899 $\pm$ 0.047 χ^2 /NDF: 2139647.2/22

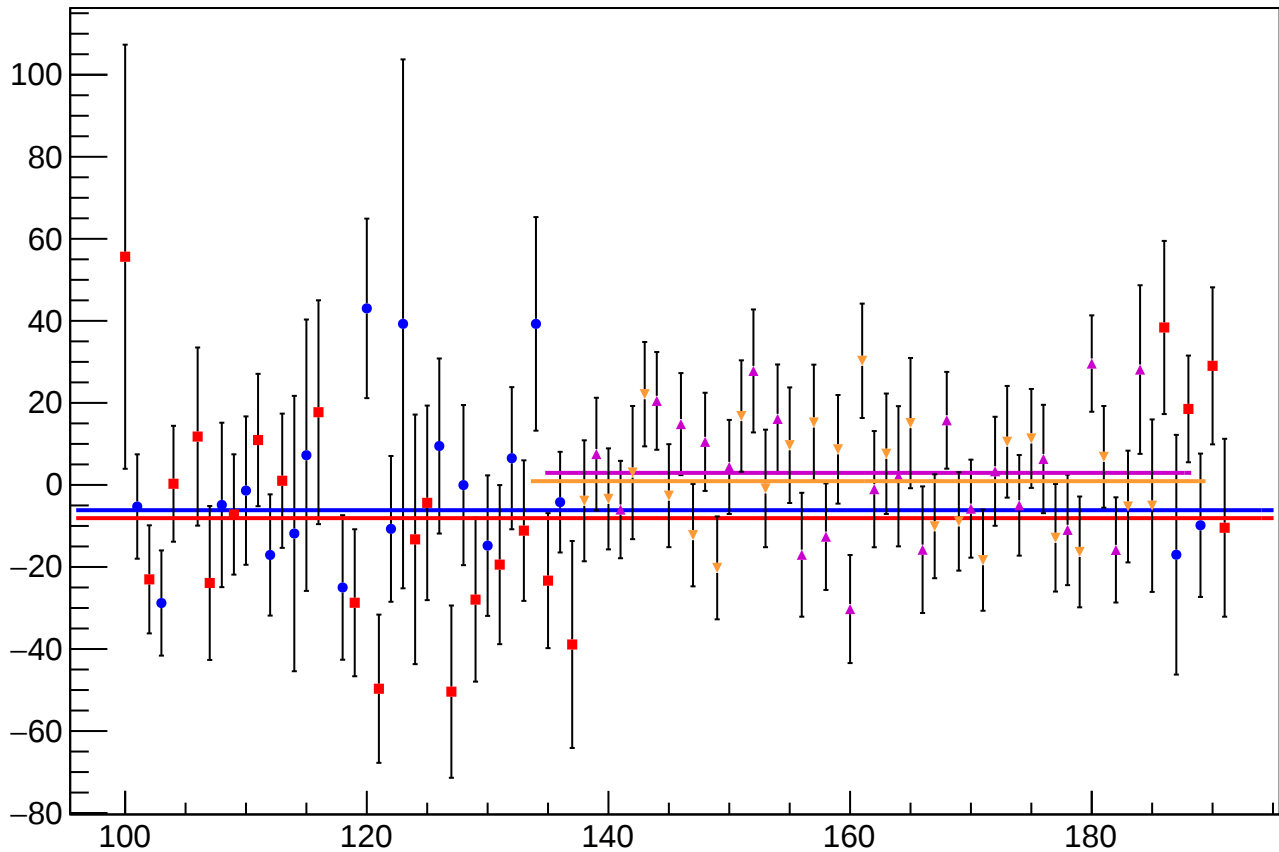
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF: 1644086.7/22

+ sign 196.948 $\pm$ 0.029 χ^2 /NDF: 2917038.2/43

All: 187.383 $\pm$ 0.019 χ^2 /NDF: 6912265.5/89

- sign 179.437 $\pm$ 0.026 χ^2 /NDF: 3791632.2/45

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: -8.096 ± 3.840 χ^2/NDF : 34.6/22

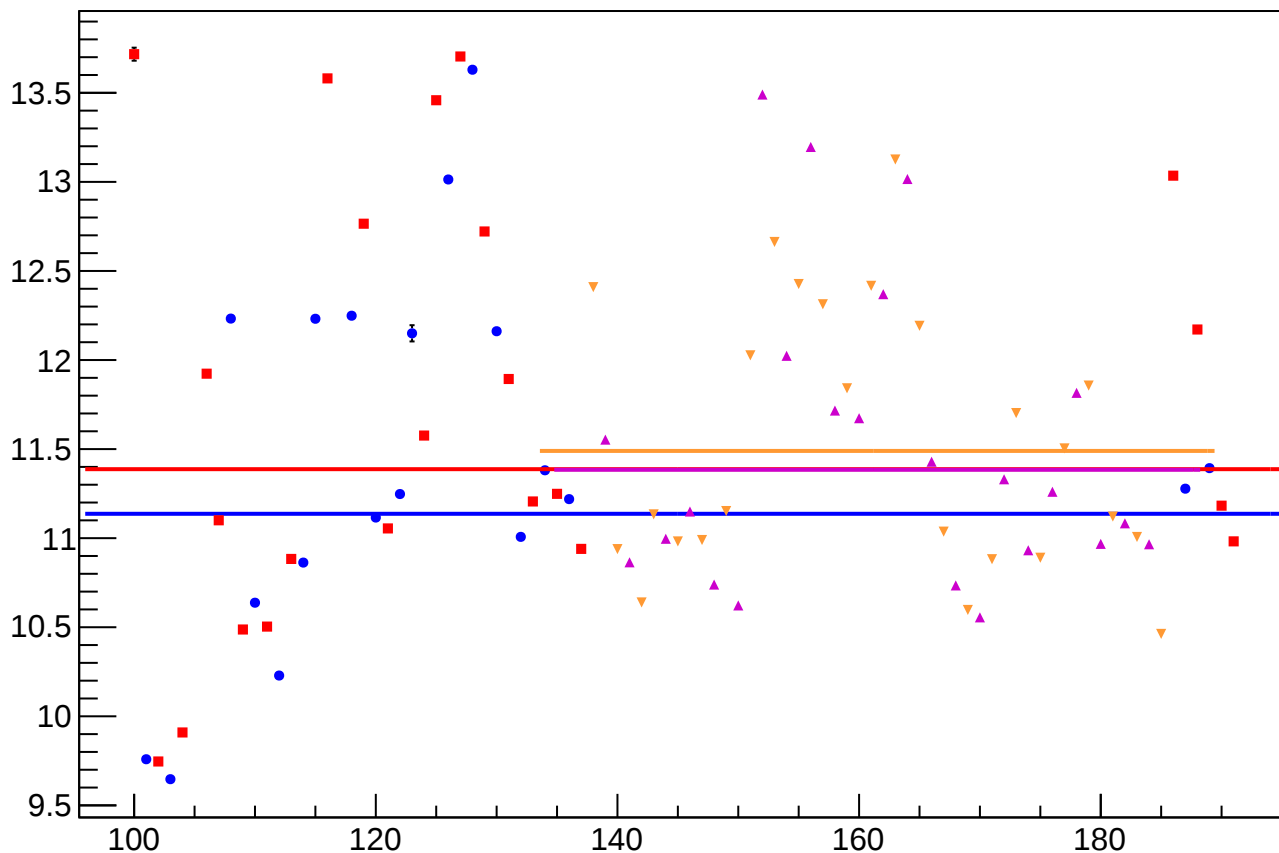
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign -1.154 ± 2.267 χ^2/NDF : 41.4/43

All: -0.970 ± 1.591 χ^2/NDF : 112.5/89

- sign -0.791 ± 2.233 χ^2/NDF : 71.1/45

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: 11.387 $\pm$ 0.003 χ^2 /NDF: 170828.8/22

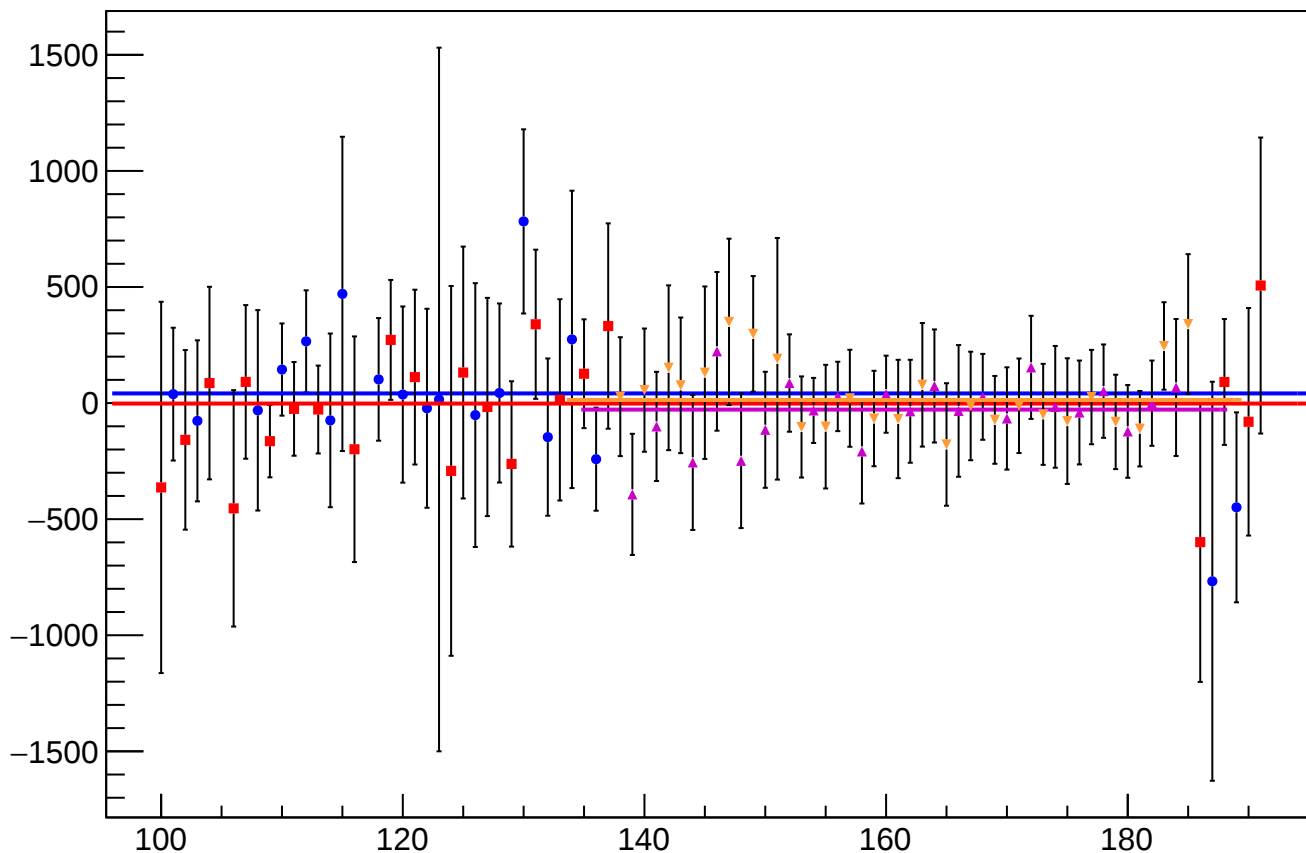
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.386 $\pm$ 0.002 χ^2 /NDF: 274908.5/43

All: 11.386 $\pm$ 0.001 χ^2 /NDF: 595538.0/89

- sign 11.385 $\pm$ 0.002 χ^2 /NDF: 320629.3/45

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: -2.040 $\pm$ 66.553 χ^2 /NDF: 8.3/22

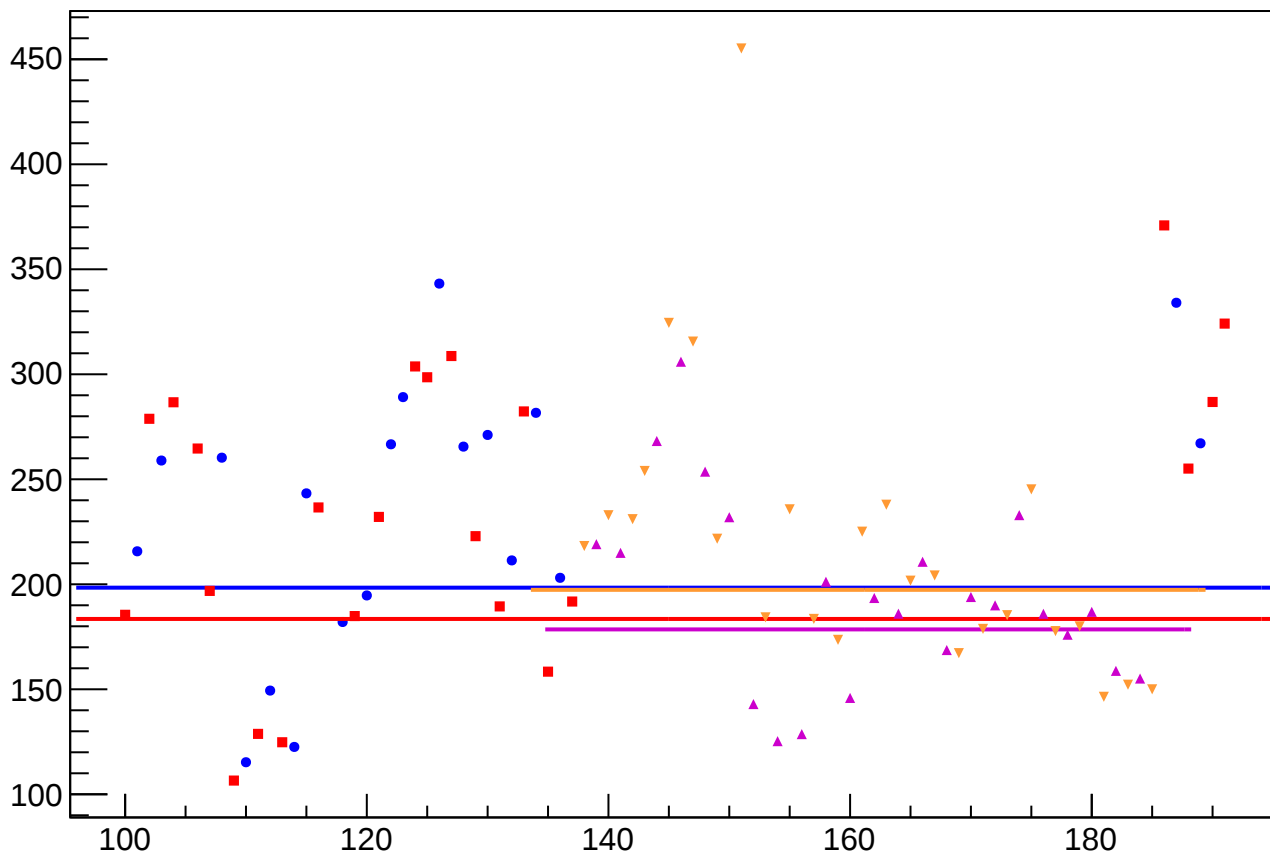
Left In: -28.050 $\pm$ 44.681 χ^2 /NDF: 6.6/22

+ sign 20.992 $\pm$ 40.703 χ^2 /NDF: 17.9/43

All: -1.383 $\pm$ 27.418 χ^2 /NDF: 33.5/89

- sign -19.969 $\pm$ 37.096 χ^2 /NDF: 15.0/45

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 198.391 $\pm$ 0.055 χ^2 /NDF: 1117806.8/18

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF:1790824.5/24

+ sign 197.636 $\pm$ 0.029 χ^2 /NDF: 2908886.8/43

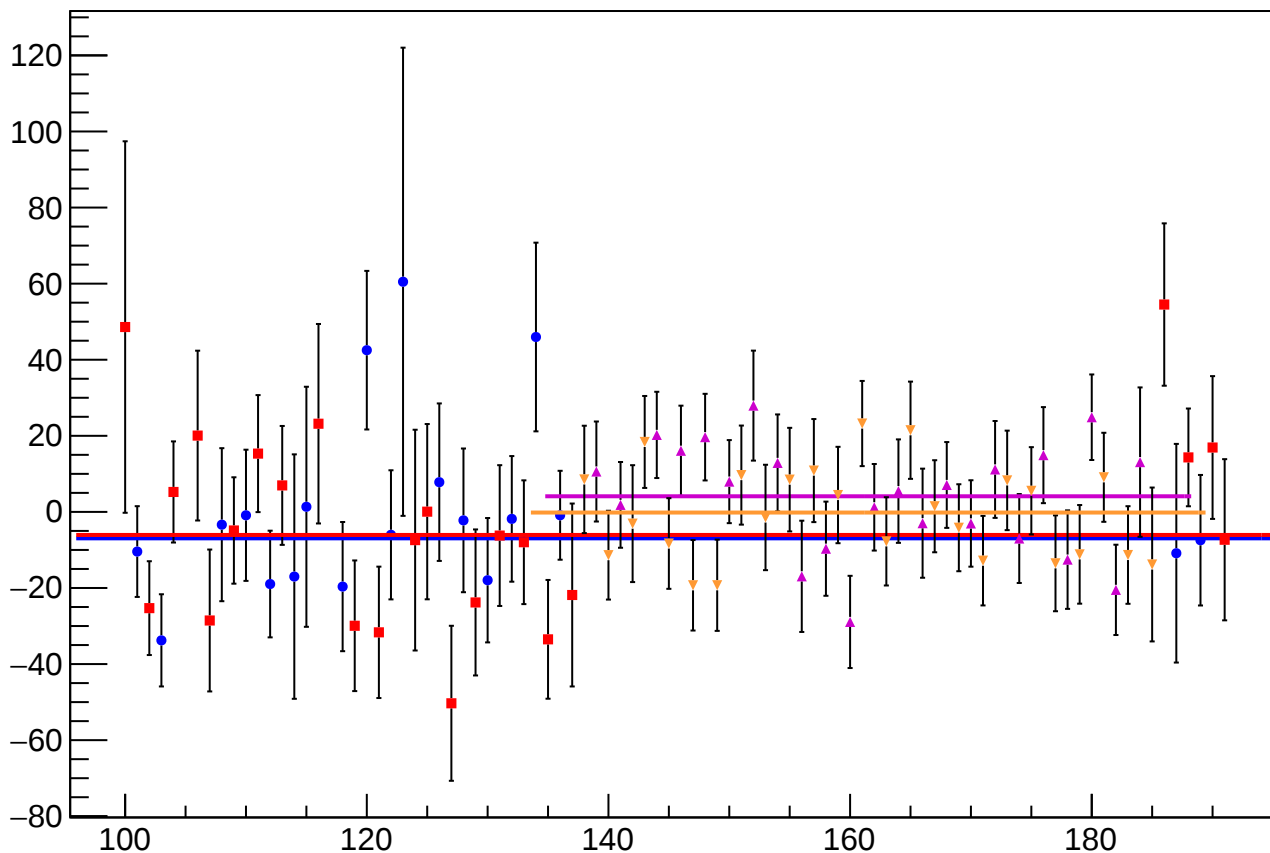
Right Out: 183.494 $\pm$ 0.047 χ^2 /NDF: 2134462.8/22

All: 188.035 $\pm$ 0.019 χ^2 /NDF: 6897081.8/89

- sign 180.060 $\pm$ 0.026 χ^2 /NDF: 3784490.9/45

Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.952 ± 4.005 χ^2/NDF : 19.4/18

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -6.059 ± 3.695 χ^2/NDF : 36.5/22

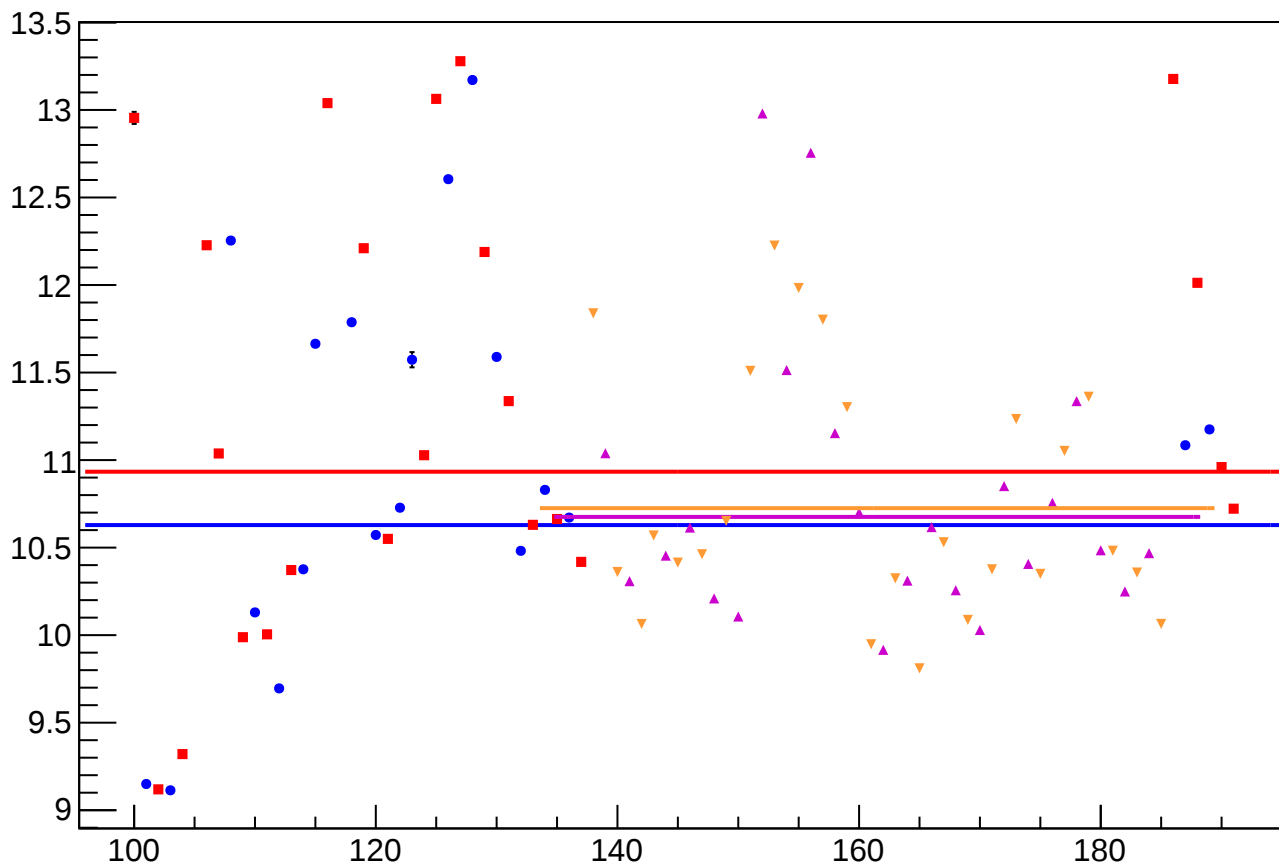
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -2.094 ± 2.133 χ^2/NDF : 45.8/43

All: -0.644 ± 1.501 χ^2/NDF : 119.9/89

- sign 0.780 ± 2.114 χ^2/NDF : 73.1/45

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.629 $\pm$ 0.003 χ^2 /NDF: 161956.8/18

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF: 132170.8/24

Right Out: 10.934 $\pm$ 0.003 χ^2 /NDF: 218686.8/22

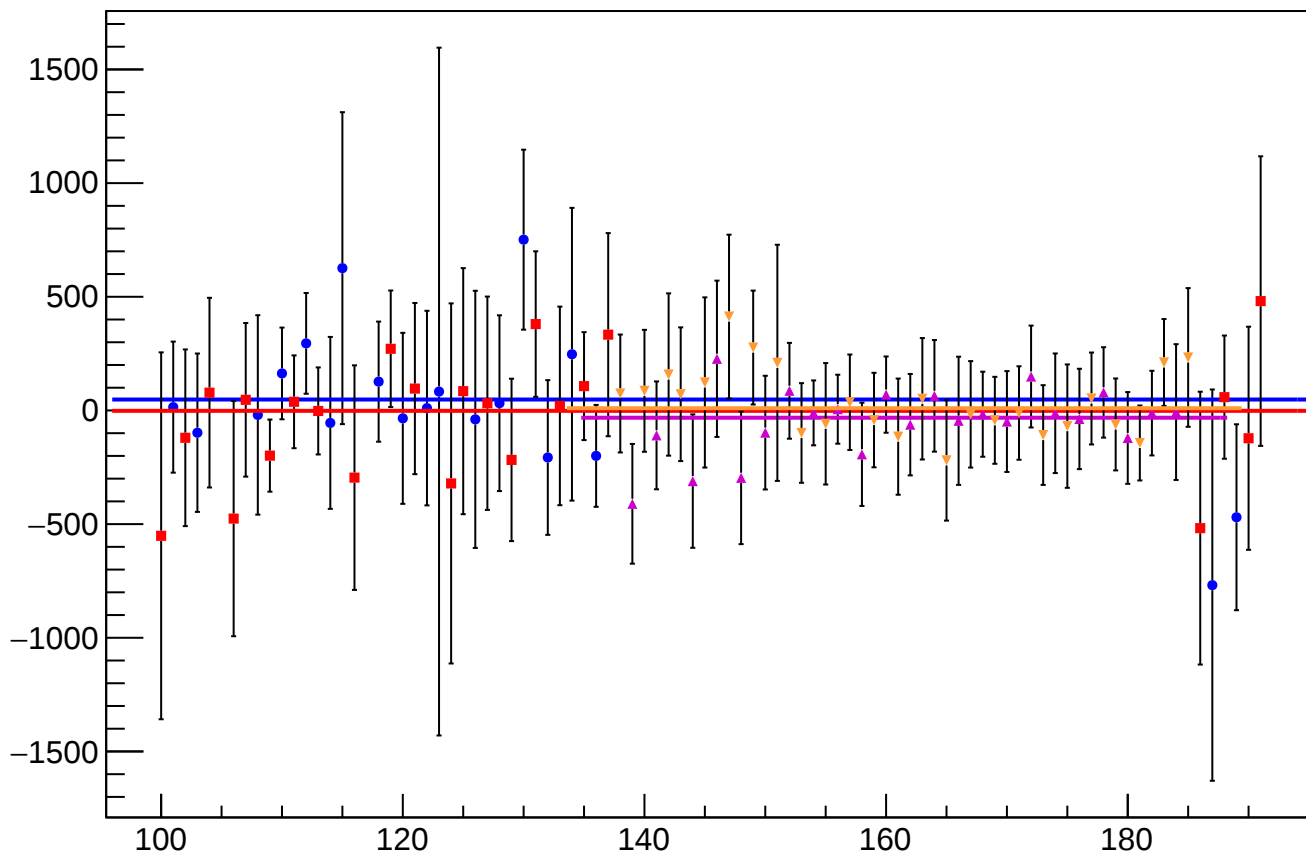
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF: 145938.2/22

+ sign 10.698 $\pm$ 0.002 χ^2 /NDF: 294962.7/43

All: 10.729 $\pm$ 0.001 χ^2 /NDF: 667003.4/89

- sign 10.760 $\pm$ 0.001 χ^2 /NDF: 371191.6/45

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: -1.666 $\pm$ 67.120 χ^2 /NDF: 8.8/22

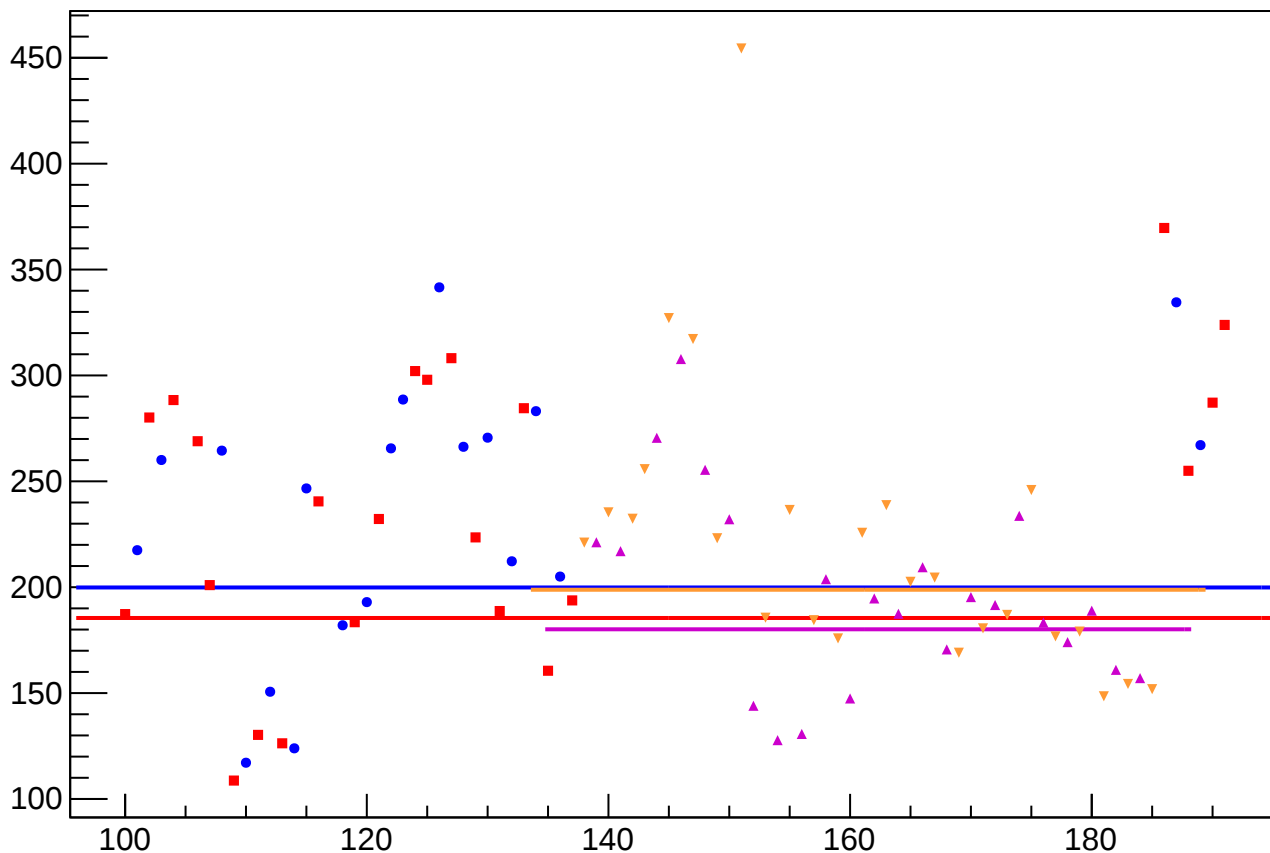
Left In: -31.989 $\pm$ 45.038 χ^2 /NDF: 7.2/22

+ sign 20.174 $\pm$ 40.971 χ^2 /NDF: 18.0/43

All: -3.144 $\pm$ 27.622 χ^2 /NDF: 34.7/89

- sign -22.574 $\pm$ 37.399 χ^2 /NDF: 16.1/45

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 199.876+/-0.056 χ^2/NDF : 1088555.7/18

Left Out: 198.800+/-0.034 χ^2/NDF : 1763119.1/24

Right Out: 185.467+/-0.047 χ^2/NDF : 2073712.0/22

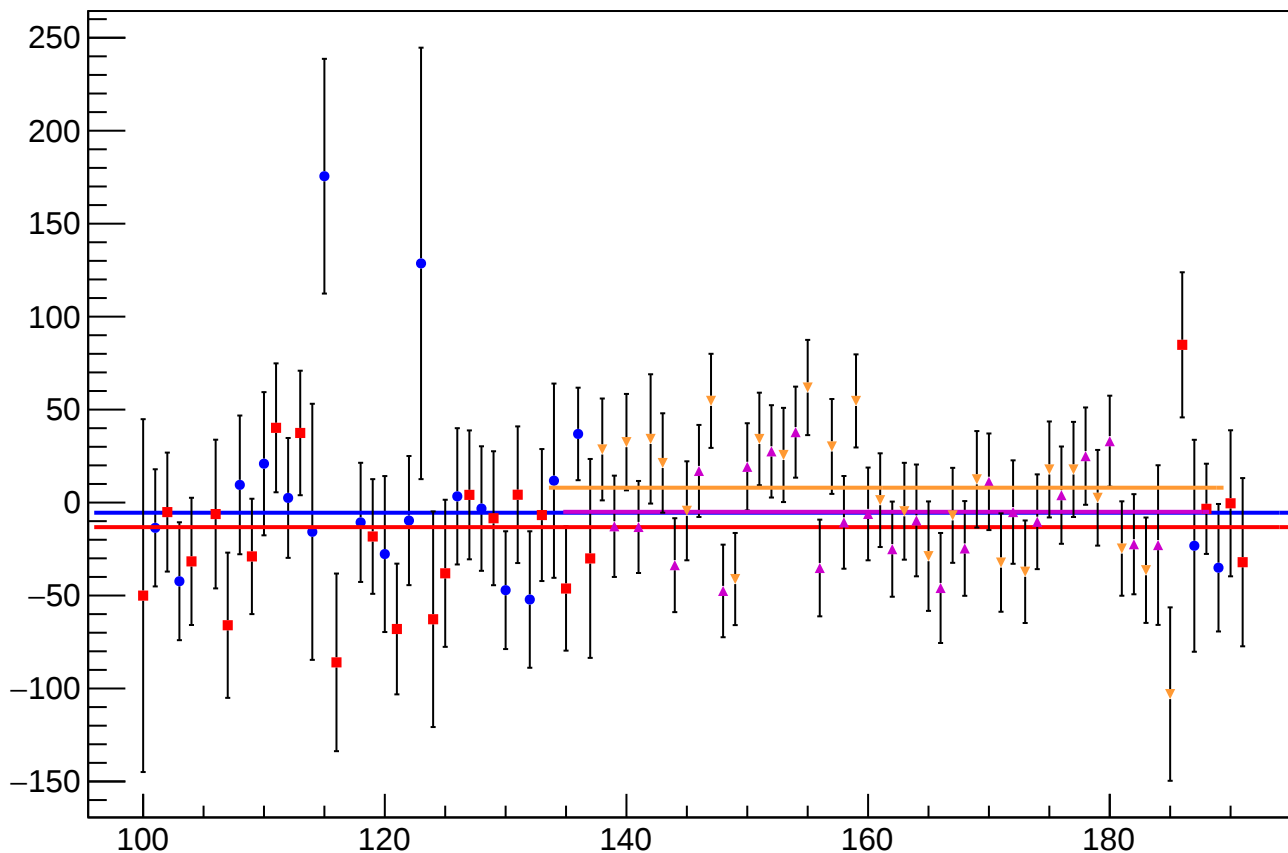
Left In: 180.123+/-0.032 χ^2/NDF : 1593842.6/22

+ sign 199.091+/-0.029 χ^2/NDF : 2851946.8/43

All: 189.650+/-0.020 χ^2/NDF : 6722969.8/89

- sign 181.782+/-0.026 χ^2/NDF : 3676295.3/45

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.470 ± 8.519 $\chi^2/\text{NDF}: 19.3/18$

Left Out: 7.990 ± 5.327 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -13.216 ± 7.648 $\chi^2/\text{NDF}: 21.5/22$

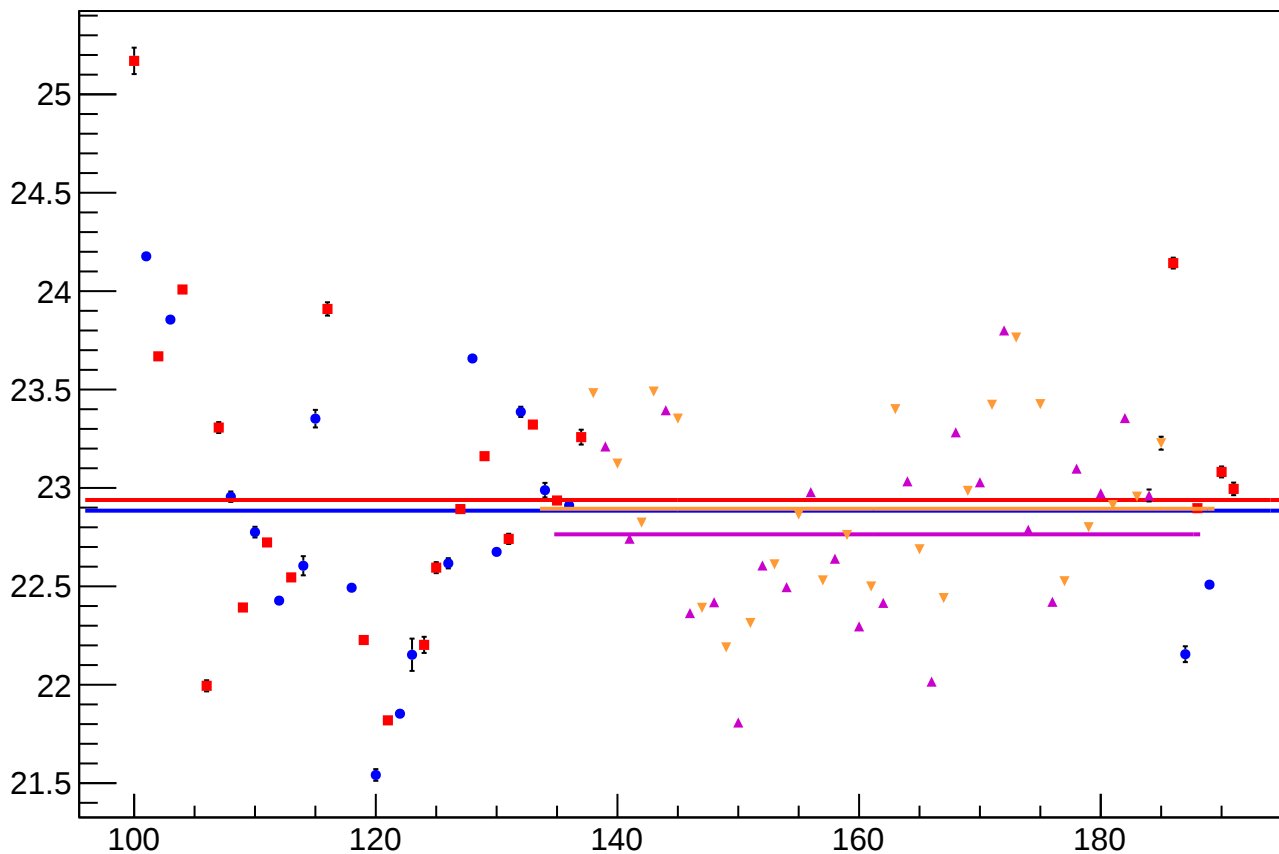
Left In: -4.973 ± 5.444 $\chi^2/\text{NDF}: 20.5/22$

+ sign 4.206 ± 4.517 $\chi^2/\text{NDF}: 58.5/43$

All: -1.878 ± 3.165 $\chi^2/\text{NDF}: 104.8/89$

- sign -7.745 ± 4.435 $\chi^2/\text{NDF}: 42.8/45$

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: 22.939 $\pm$ 0.005 χ^2 /NDF: 13140.5/22

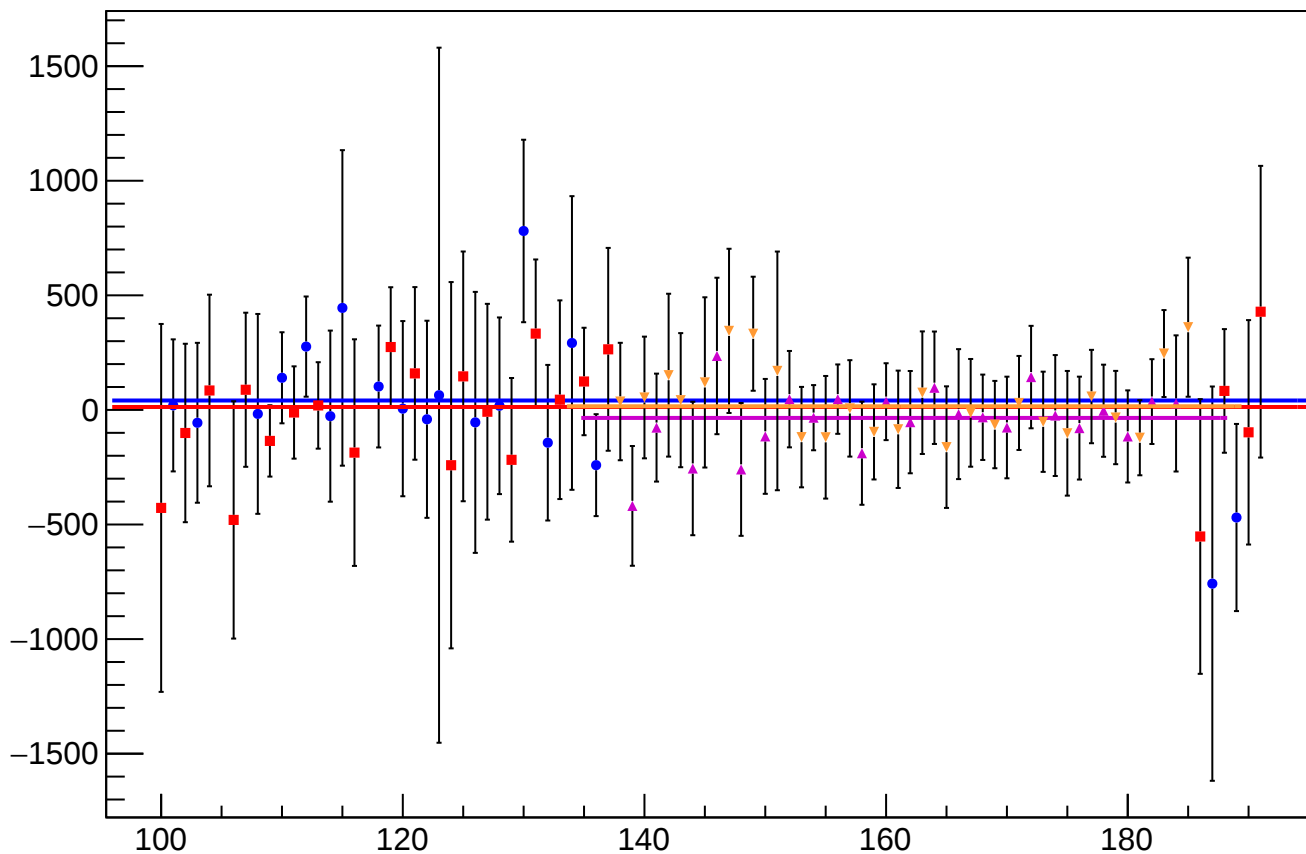
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.891 $\pm$ 0.003 χ^2 /NDF: 25287.9/43

All: 22.857 $\pm$ 0.002 χ^2 /NDF: 54018.9/89

- sign 22.823 $\pm$ 0.003 χ^2 /NDF: 28497.1/45

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: 12.788 $\pm$ 66.675 χ^2 /NDF: 7.2/22

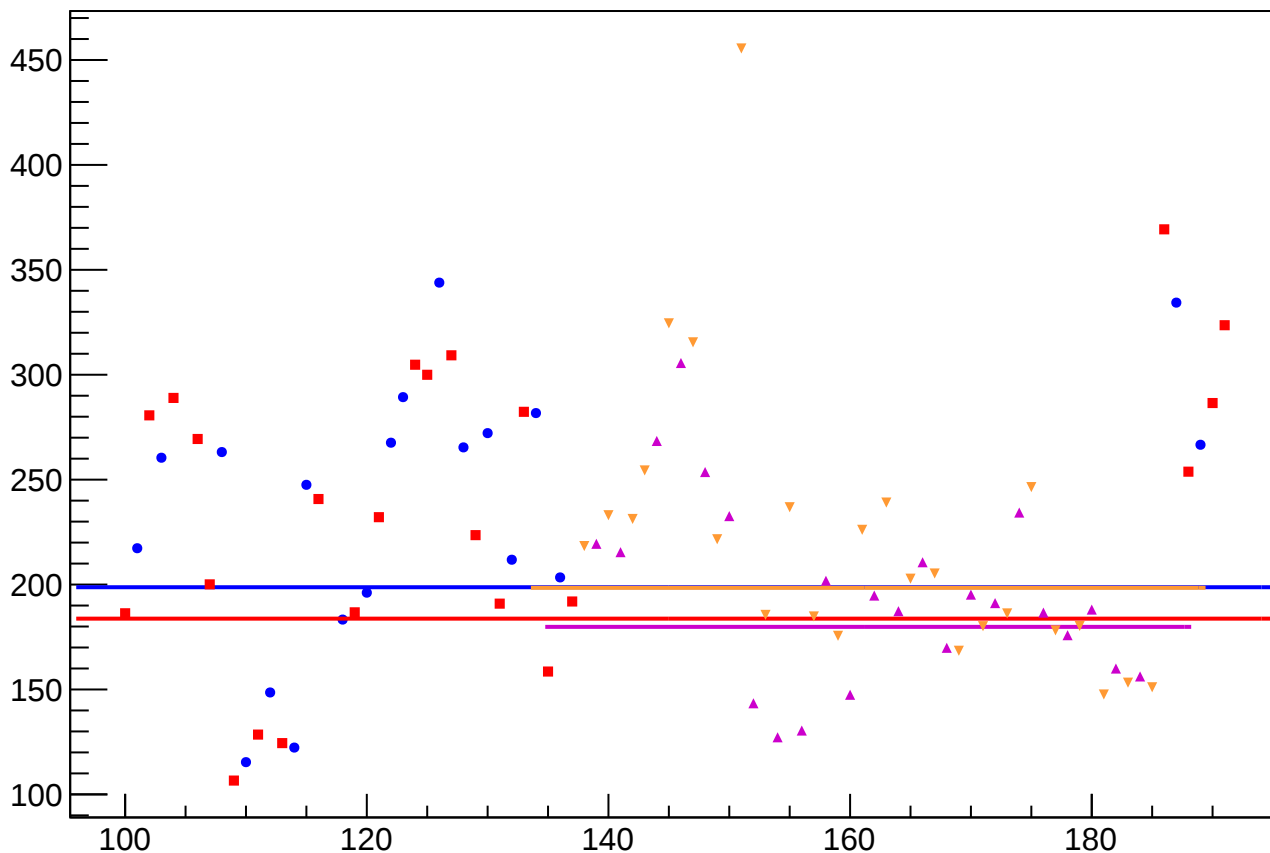
Left In: -34.919 $\pm$ 44.971 χ^2 /NDF: 6.6/22

+ sign 22.757 $\pm$ 40.873 χ^2 /NDF: 18.5/43

All: -0.583 $\pm$ 27.545 χ^2 /NDF: 33.1/89

- sign -20.002 $\pm$ 37.283 χ^2 /NDF: 14.1/45

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 198.728+/-0.055 χ^2/NDF : 1131412.7/18

Left Out: 198.450+/-0.034 χ^2/NDF : 1761433.9/24

Right Out: 183.758+/-0.047 χ^2/NDF : 2152849.4/22

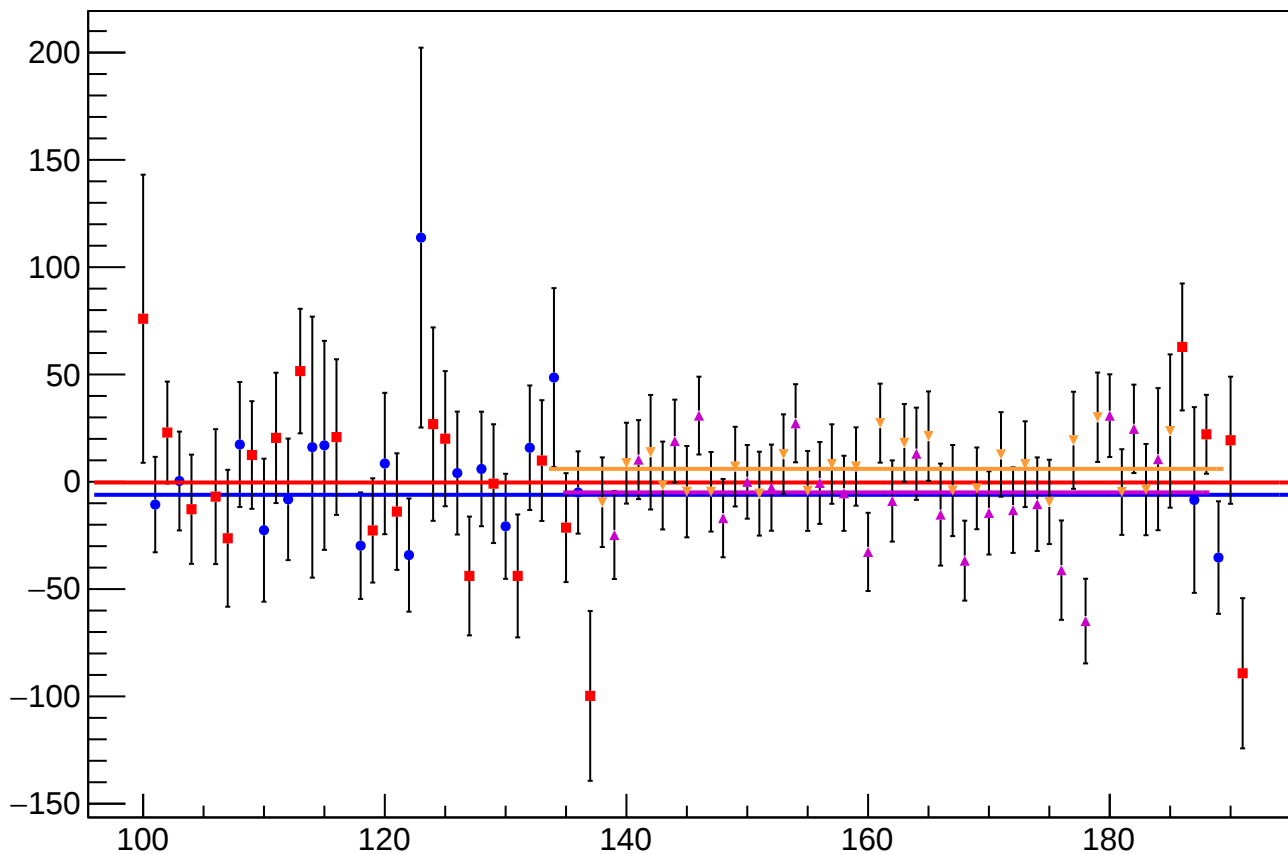
Left In: 179.839+/-0.032 χ^2/NDF : 1588834.3/22

+ sign 198.525+/-0.029 χ^2/NDF : 2892865.0/43

All: 188.994+/-0.019 χ^2/NDF : 6838525.5/89

- sign 181.064+/-0.026 χ^2/NDF : 3746433.5/45

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: -0.331 ± 5.970 χ^2/NDF : 34.2/22

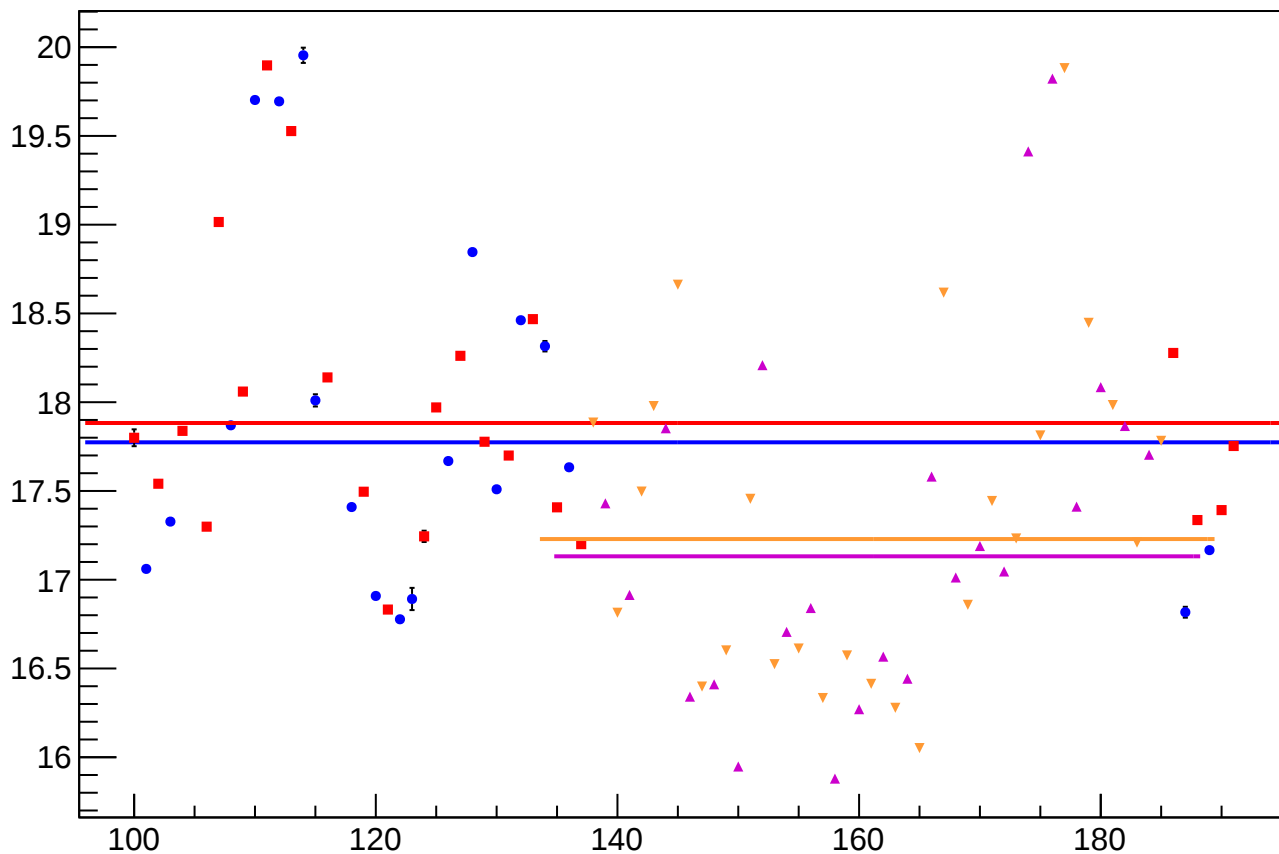
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 2.769 ± 3.435 χ^2/NDF : 20.3/43

All: -0.393 ± 2.411 χ^2/NDF : 91.4/89

- sign -3.462 ± 3.384 χ^2/NDF : 69.5/45

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: 17.883 $\pm$ 0.004 χ^2 /NDF: 28331.5/22

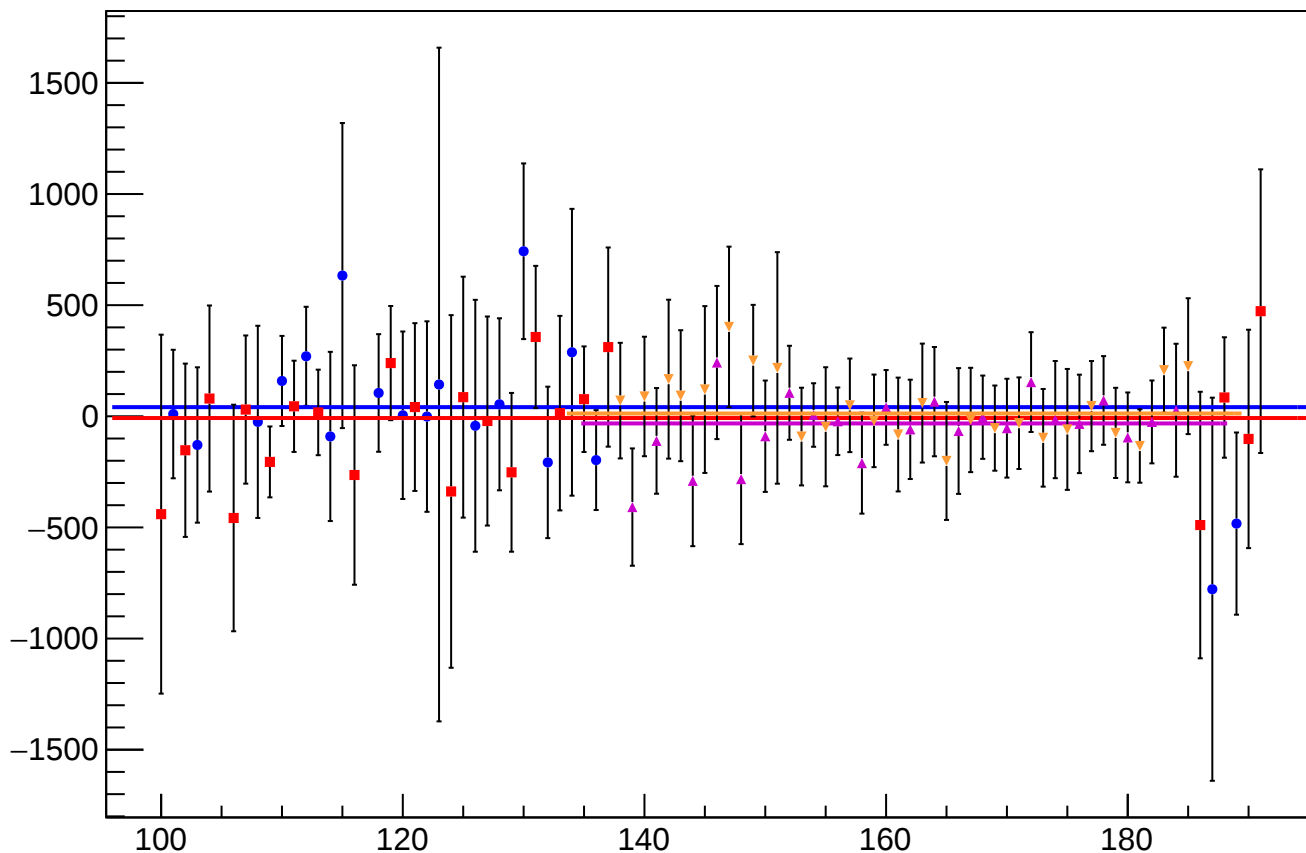
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 17.376 $\pm$ 0.002 χ^2 /NDF: 141838.9/43

All: 17.374 $\pm$ 0.002 χ^2 /NDF: 295653.4/89

- sign 17.373 $\pm$ 0.002 χ^2 /NDF: 153813.9/45

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 41.153+/-78.925 χ^2/NDF : 10.1/18

Left Out: 12.474+/-48.086 χ^2/NDF : 6.8/24

Right Out: -7.808+/-67.255 χ^2/NDF : 8.1/22

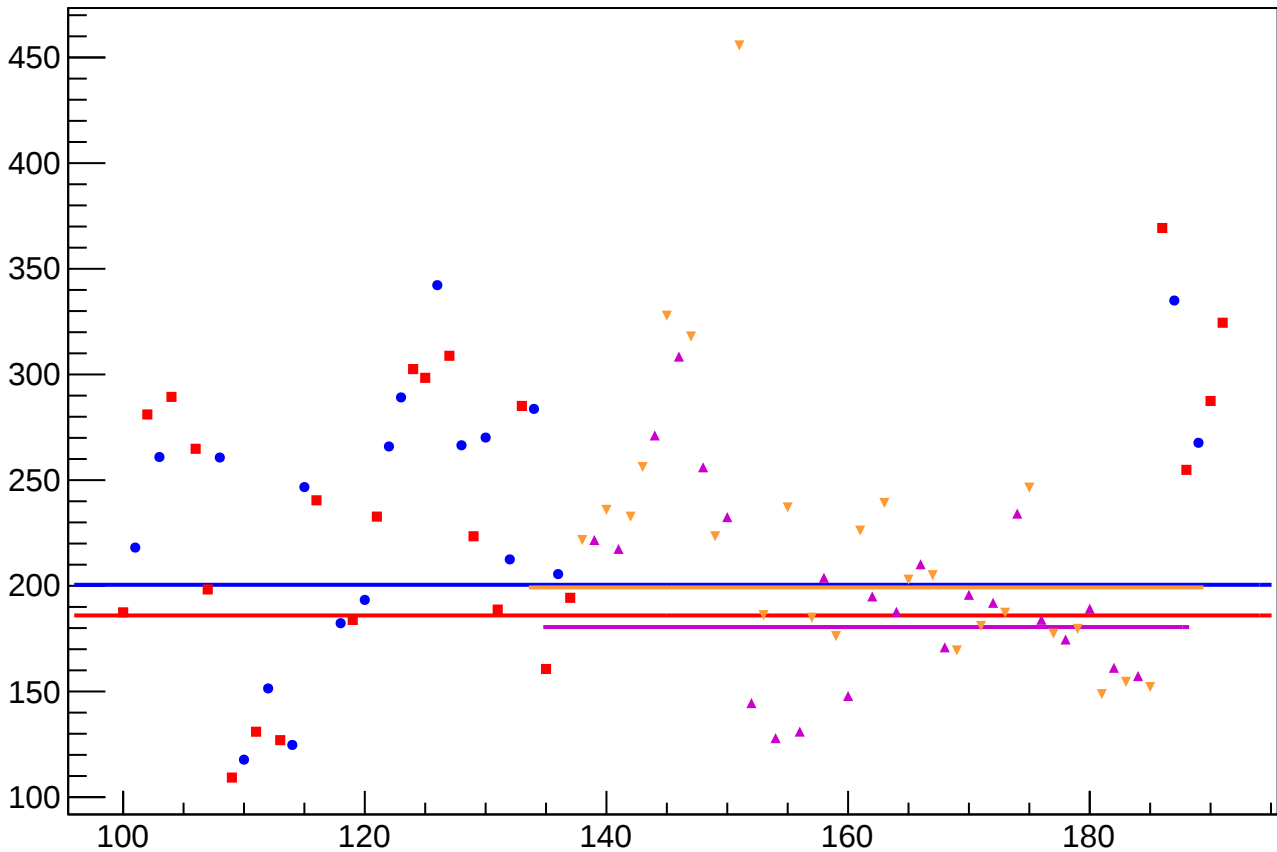
Left In: -32.159+/-45.131 χ^2/NDF : 6.9/22

+ sign 20.238+/-41.065 χ^2/NDF : 17.1/43

All: -4.225+/-27.681 χ^2/NDF : 32.8/89

- sign -24.599+/-37.475 χ^2/NDF : 15.1/45

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: 185.971 $\pm$ 0.048 χ^2 /NDF: 2051457.5/22

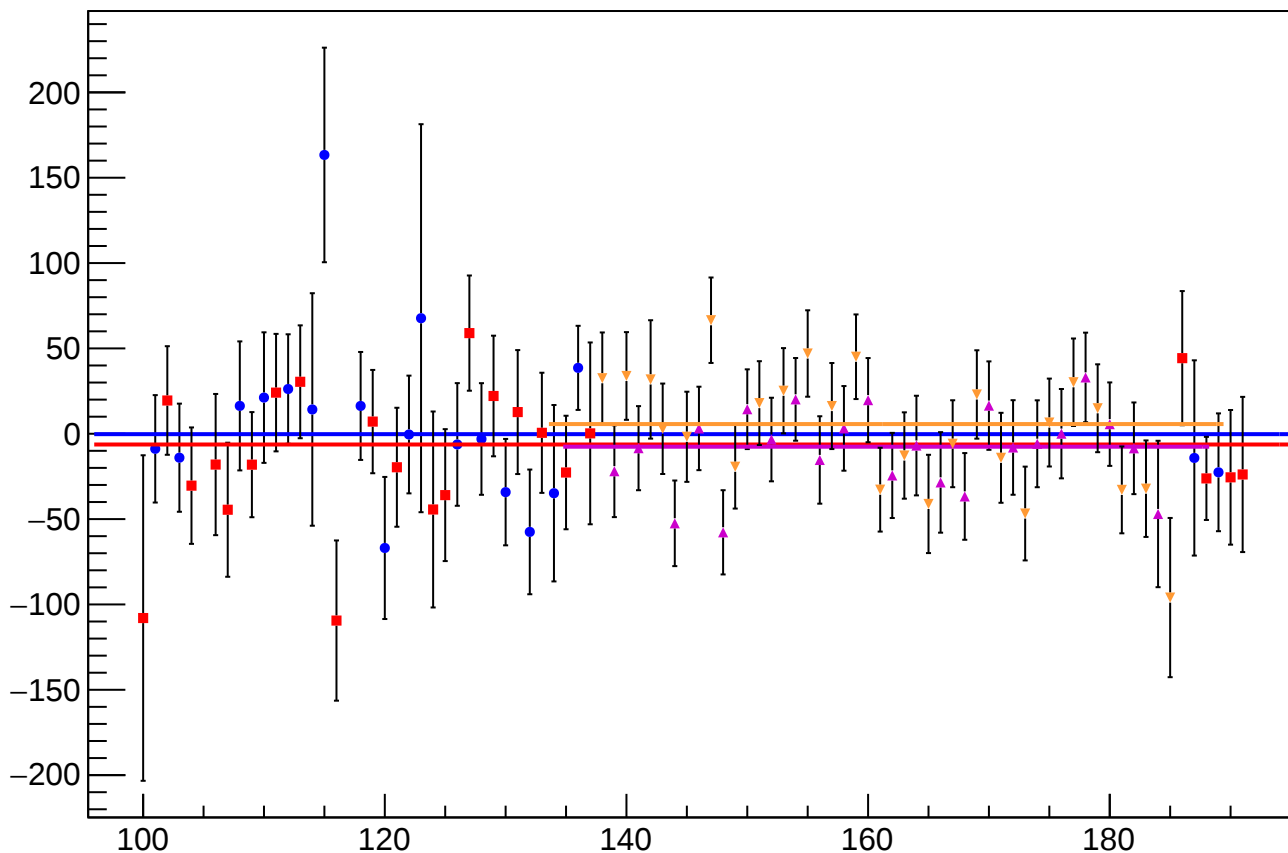
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF: 1593784.1/22

+ sign 199.577 $\pm$ 0.029 χ^2 /NDF: 2837471.0/43

All: 190.093 $\pm$ 0.020 χ^2 /NDF: 6687385.1/89

- sign 182.194 $\pm$ 0.026 χ^2 /NDF: 3654389.1/45

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.237 ± 8.457 χ^2/NDF : 18.6/18

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: -6.294 ± 7.601 χ^2/NDF : 19.4/22

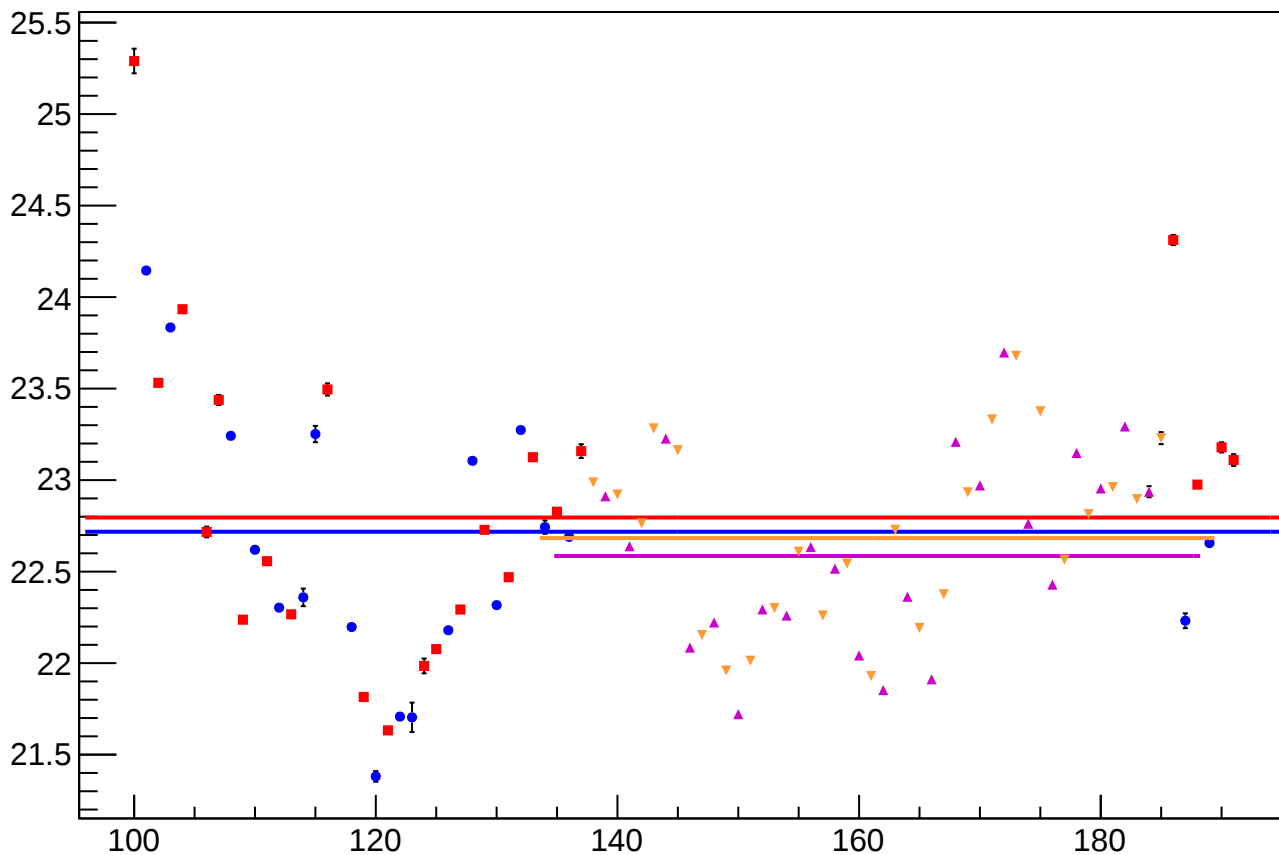
Left In: -7.594 ± 5.402 χ^2/NDF : 18.3/22

+ sign 4.016 ± 4.477 χ^2/NDF : 55.3/43

All: -1.664 ± 3.139 χ^2/NDF : 96.2/89

- sign -7.158 ± 4.403 χ^2/NDF : 37.7/45

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.718 $\pm$ 0.006 χ^2 /NDF: 13687.6/18

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16318.1/24

Right Out: 22.796 $\pm$ 0.005 χ^2 /NDF: 16587.6/22

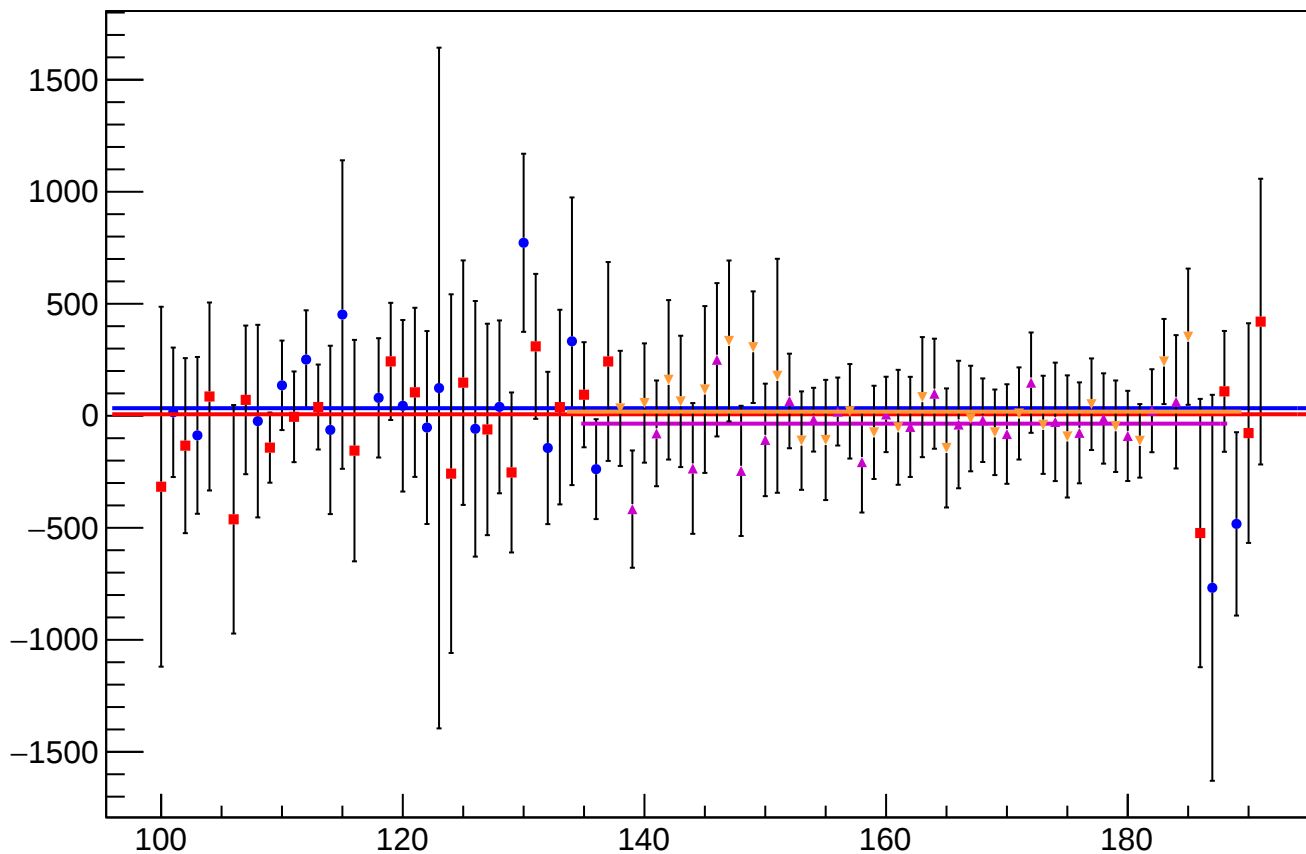
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF:18087.5/22

+ sign 22.693 $\pm$ 0.003 χ^2 /NDF: 30029.6/43

All: 22.674 $\pm$ 0.002 χ^2 /NDF: 65793.8/89

- sign 22.656 $\pm$ 0.003 χ^2 /NDF: 35693.8/45

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: 6.809 $\pm$ 66.814 χ^2 /NDF: 6.5/22

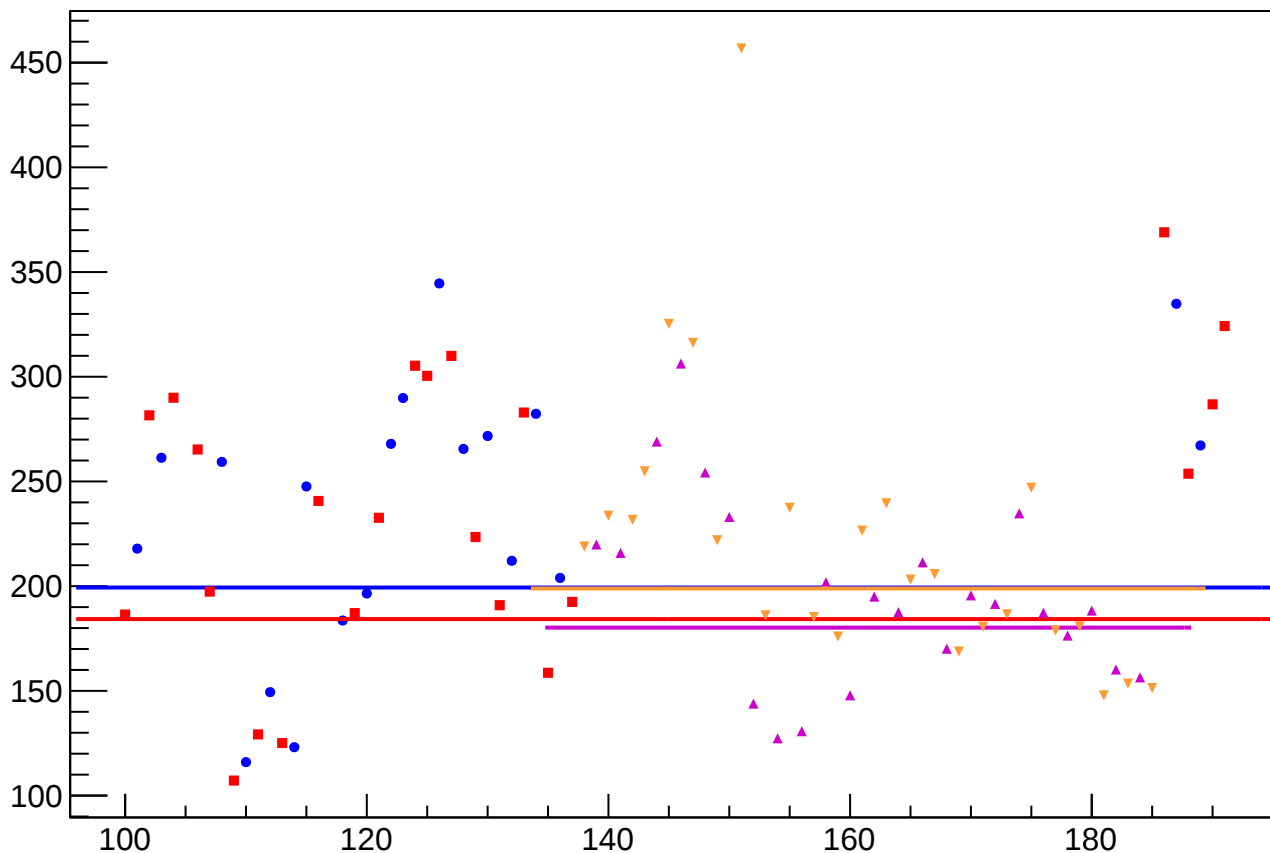
Left In: -35.046 $\pm$ 45.063 χ^2 /NDF: 6.3/22

+ sign 22.804 $\pm$ 40.968 χ^2 /NDF: 17.4/43

All: -1.635 $\pm$ 27.605 χ^2 /NDF: 31.2/89

- sign -21.960 $\pm$ 37.360 χ^2 /NDF: 13.1/45

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: 184.279 $\pm$ 0.047 χ^2 /NDF: 2129504.7/22

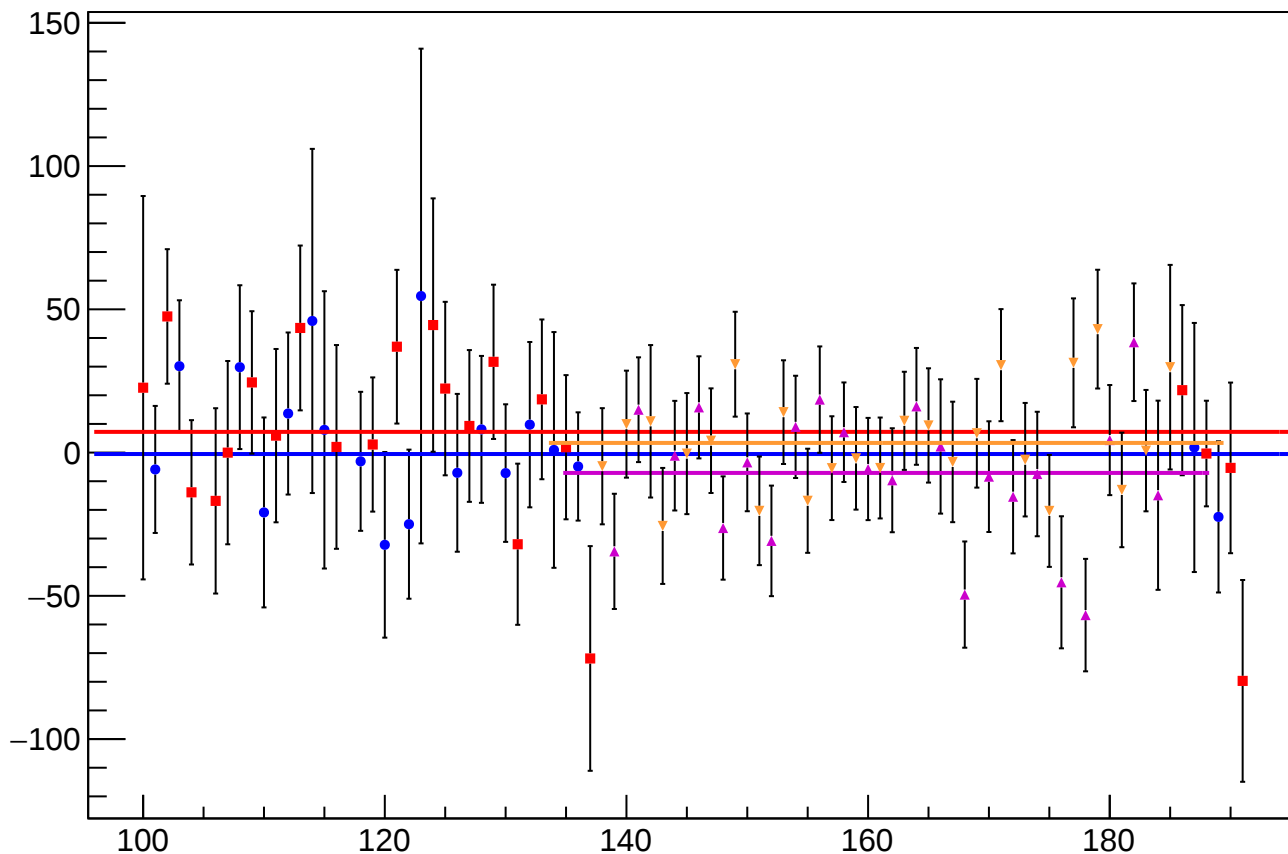
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 199.014 $\pm$ 0.029 χ^2 /NDF: 2877635.1/43

All: 189.441 $\pm$ 0.020 χ^2 /NDF: 6801269.5/89

- sign 181.480 $\pm$ 0.026 χ^2 /NDF: 3723616.0/45

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: 7.228 ± 5.906 χ^2/NDF : 22.4/22

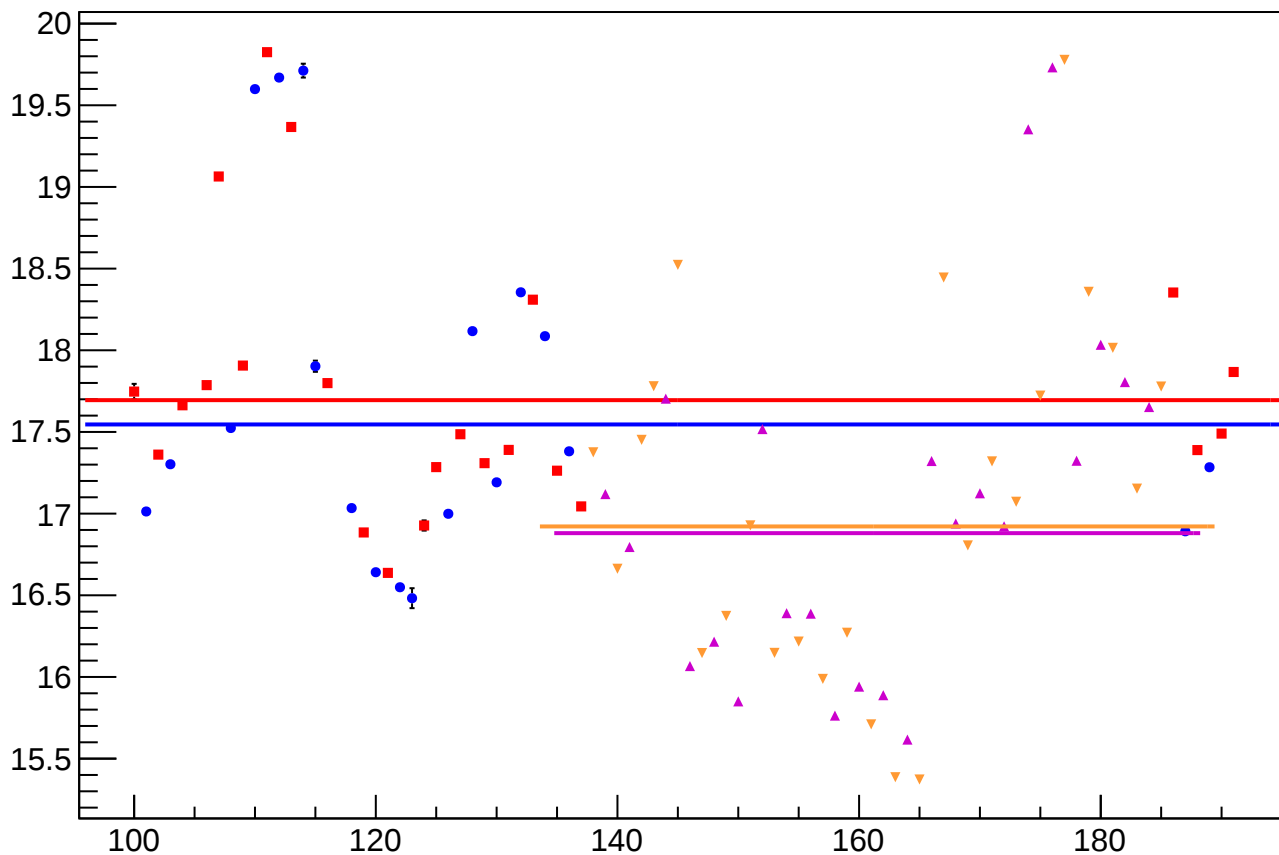
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 2.336 ± 3.379 χ^2/NDF : 26.7/43

All: -0.121 ± 2.375 χ^2/NDF : 86.6/89

- sign -2.521 ± 3.339 χ^2/NDF : 58.9/45

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.546 ± 0.005 χ^2/NDF : 33660.6/18

Left Out: 16.921 ± 0.003 χ^2/NDF : 138990.4/24

Right Out: 17.695 ± 0.004 χ^2/NDF : 31959.1/22

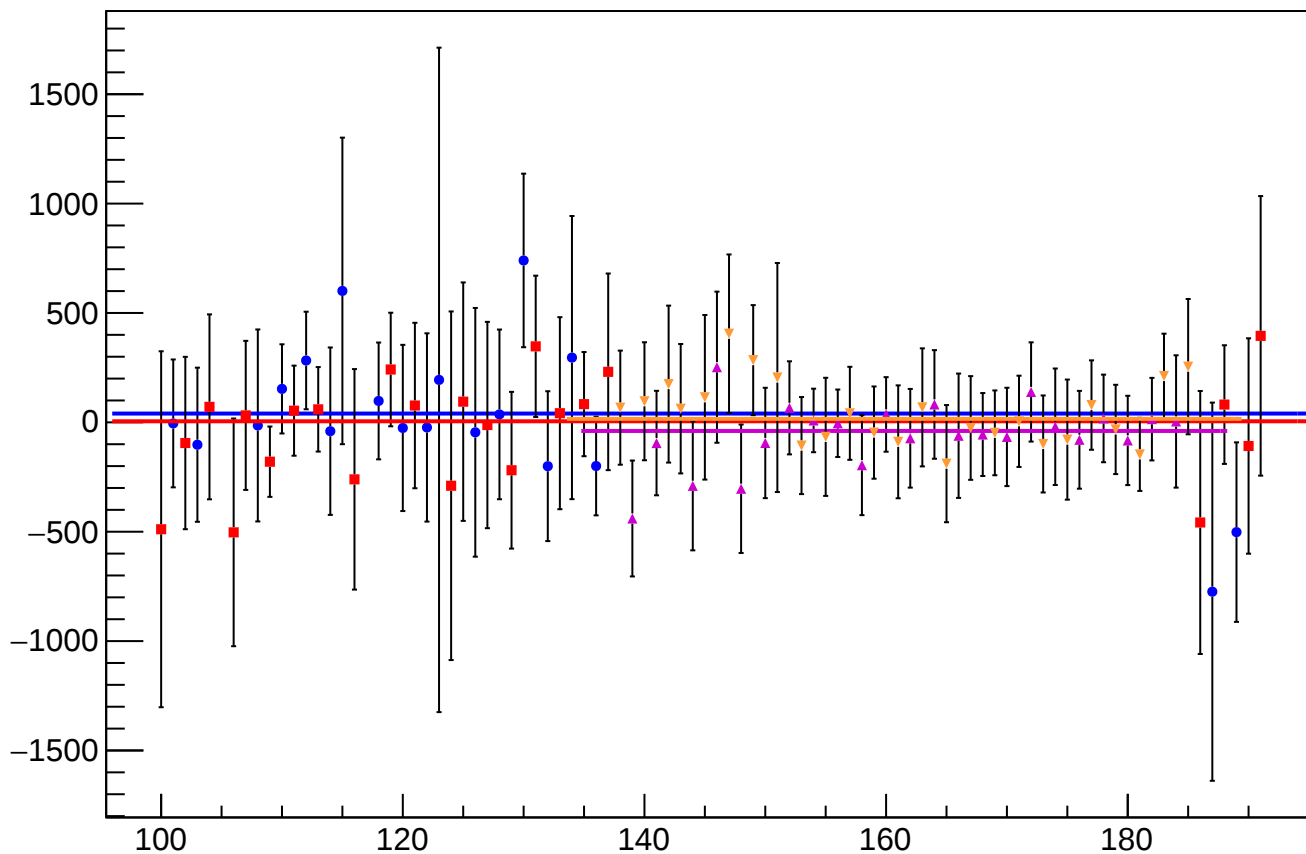
Left In: 16.880 ± 0.003 χ^2/NDF : 121736.1/22

+ sign 17.088 ± 0.002 χ^2/NDF : 186027.2/43

All: 17.115 ± 0.002 χ^2/NDF : 365830.0/89

- sign 17.141 ± 0.002 χ^2/NDF : 179560.2/45

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 40.174+/-79.371 χ^2/NDF : 10.0/18

Left Out: 15.970+/-48.503 χ^2/NDF : 7.4/24

Right Out: 4.885+/-67.687 χ^2/NDF : 7.2/22

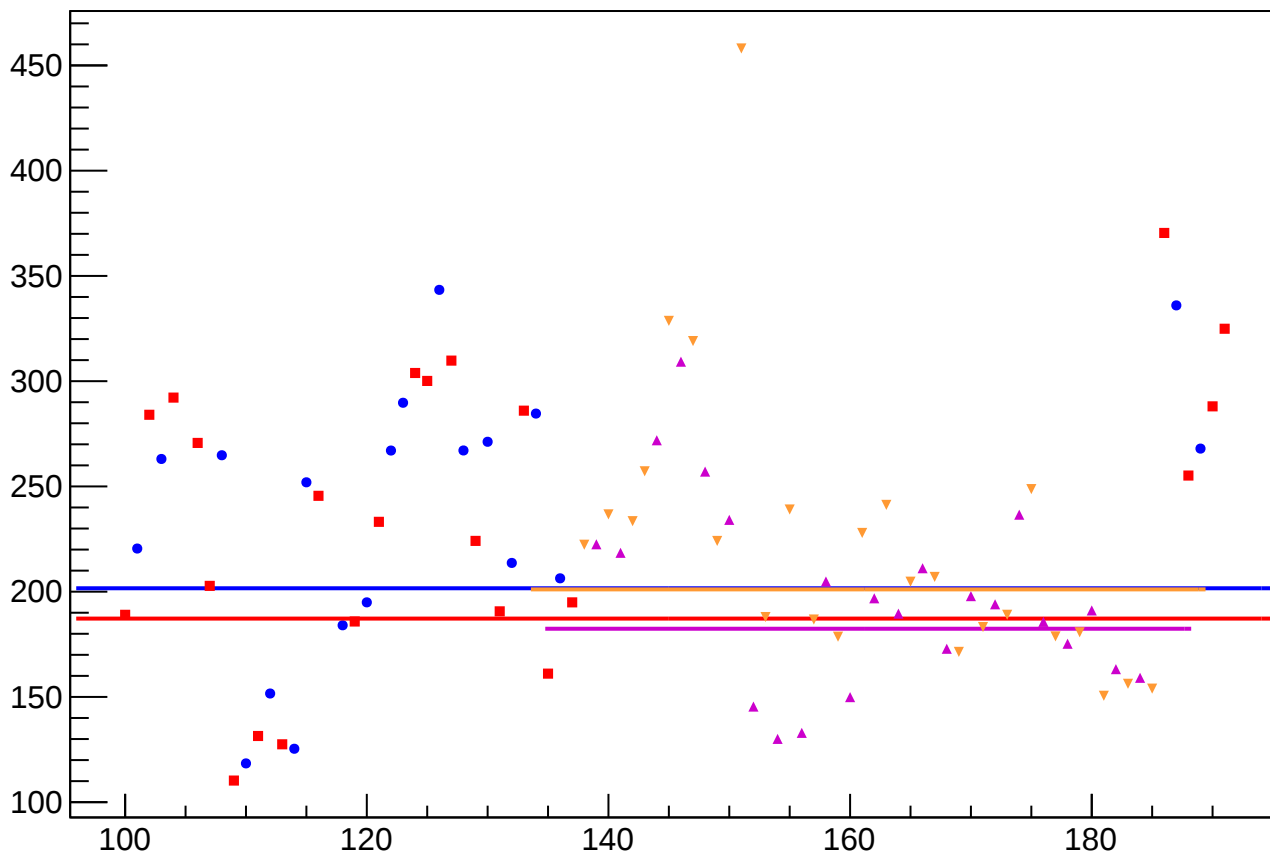
Left In: -39.377+/-45.571 χ^2/NDF : 6.9/22

+ sign 22.551+/-41.387 χ^2/NDF : 17.5/43

All: -3.685+/-27.912 χ^2/NDF : 32.5/89

- sign -25.572+/-37.802 χ^2/NDF : 14.3/45

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 201.622 $\pm$ 0.056 χ^2 /NDF: 1076068.3/18

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 187.218 $\pm$ 0.048 χ^2 /NDF: 2051782.0/22

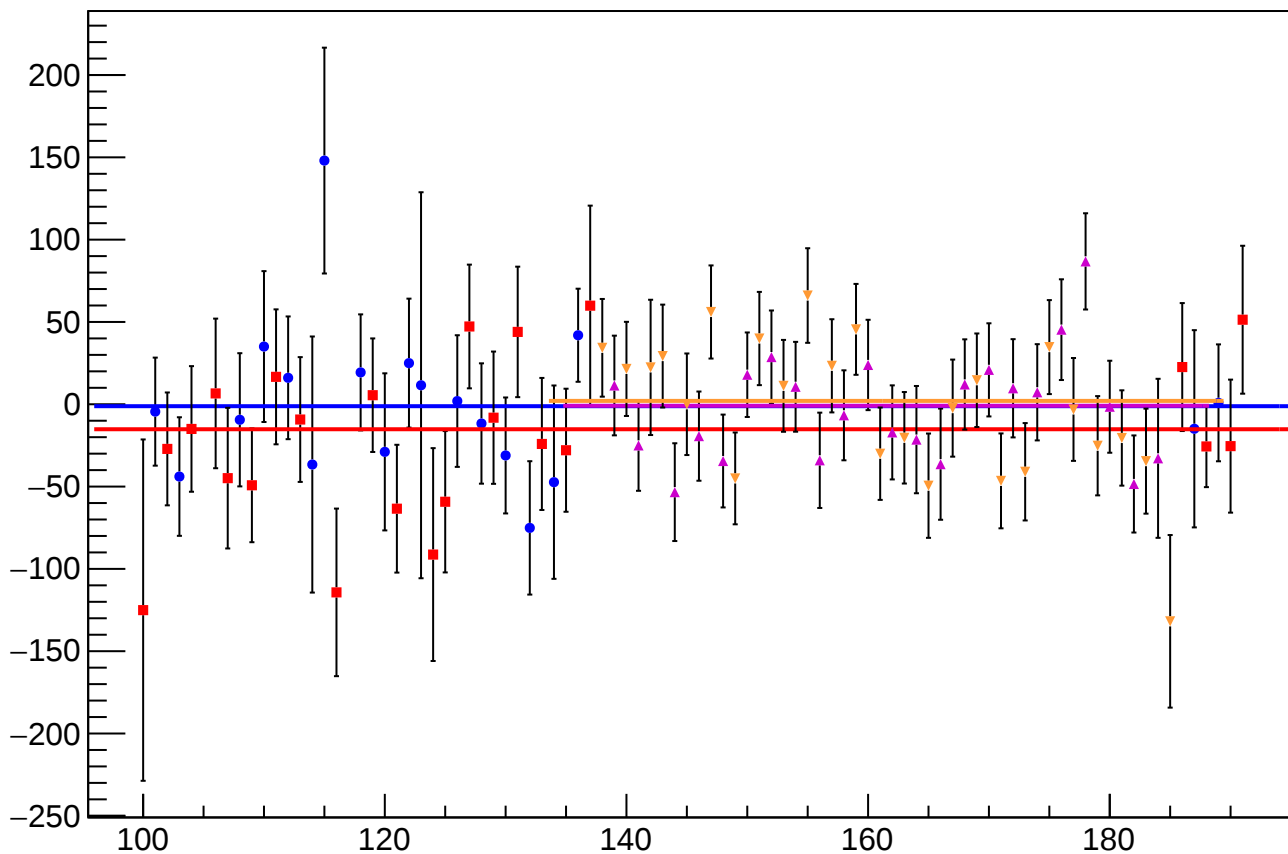
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 201.235 $\pm$ 0.029 χ^2 /NDF: 2807202.5/43

All: 191.784 $\pm$ 0.020 χ^2 /NDF: 6606173.1/89

- sign 183.900 $\pm$ 0.027 χ^2 /NDF: 3607672.9/45

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: -15.171 ± 8.321 χ^2/NDF : 21.8/22

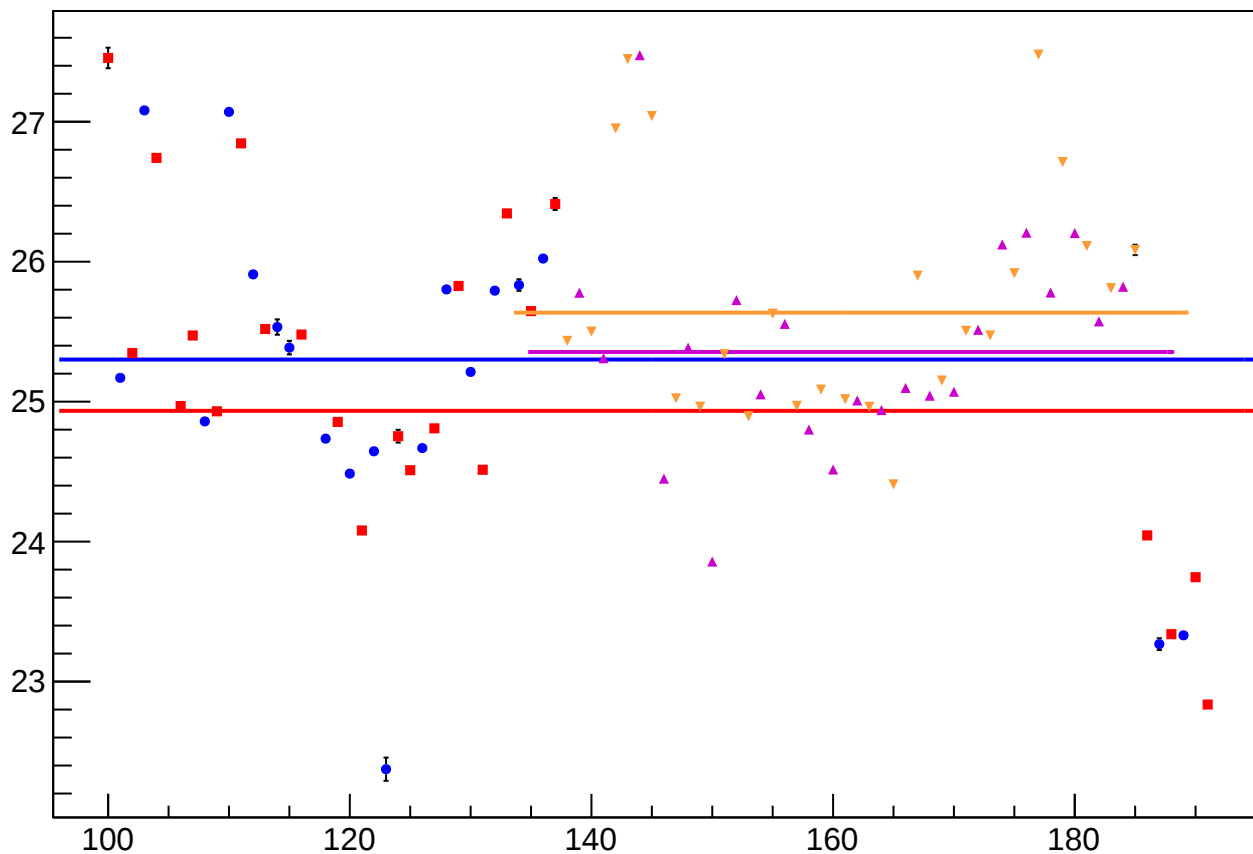
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 1.131 ± 5.044 χ^2/NDF : 55.0/43

All: -2.461 ± 3.516 χ^2/NDF : 106.8/89

- sign -5.856 ± 4.904 χ^2/NDF : 50.8/45

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: 24.934 $\pm$ 0.006 χ^2 /NDF: 33617.5/22

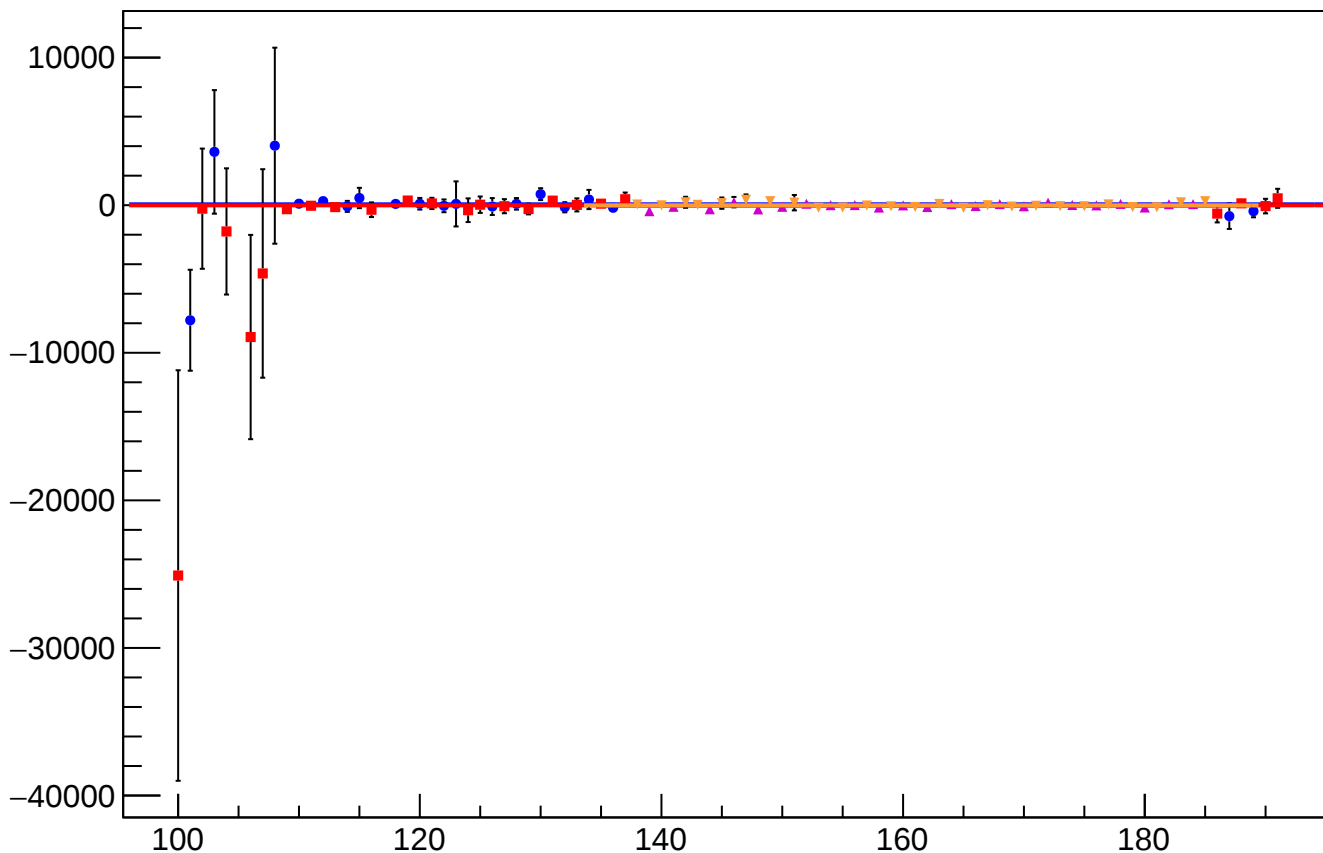
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.540 $\pm$ 0.004 χ^2 /NDF: 59646.8/43

All: 25.370 $\pm$ 0.002 χ^2 /NDF: 130801.2/89

- sign 25.209 $\pm$ 0.003 χ^2 /NDF: 66715.7/45

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: -11.498+/-75.508 χ^2/NDF : 13.7/22

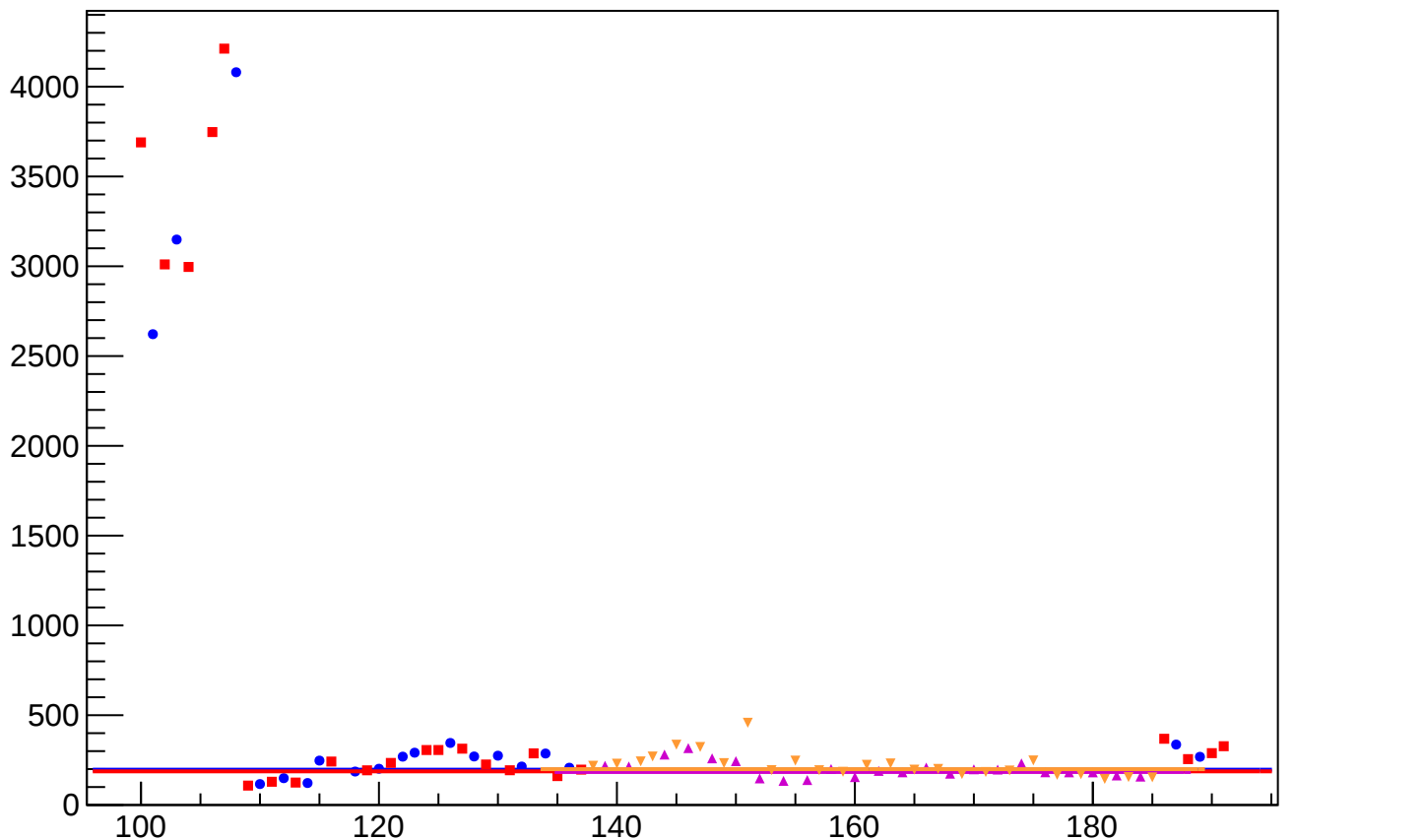
Left In: -26.836+/-45.876 χ^2/NDF : 7.5/22

+ sign 3.987+/-42.092 χ^2/NDF : 23.2/43

All: -10.303+/-28.689 χ^2/NDF : 44.6/89

- sign -22.701+/-39.207 χ^2/NDF : 21.2/45

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: 187.408 $\pm$ 0.053 χ^2 /NDF: 4752404.9/22

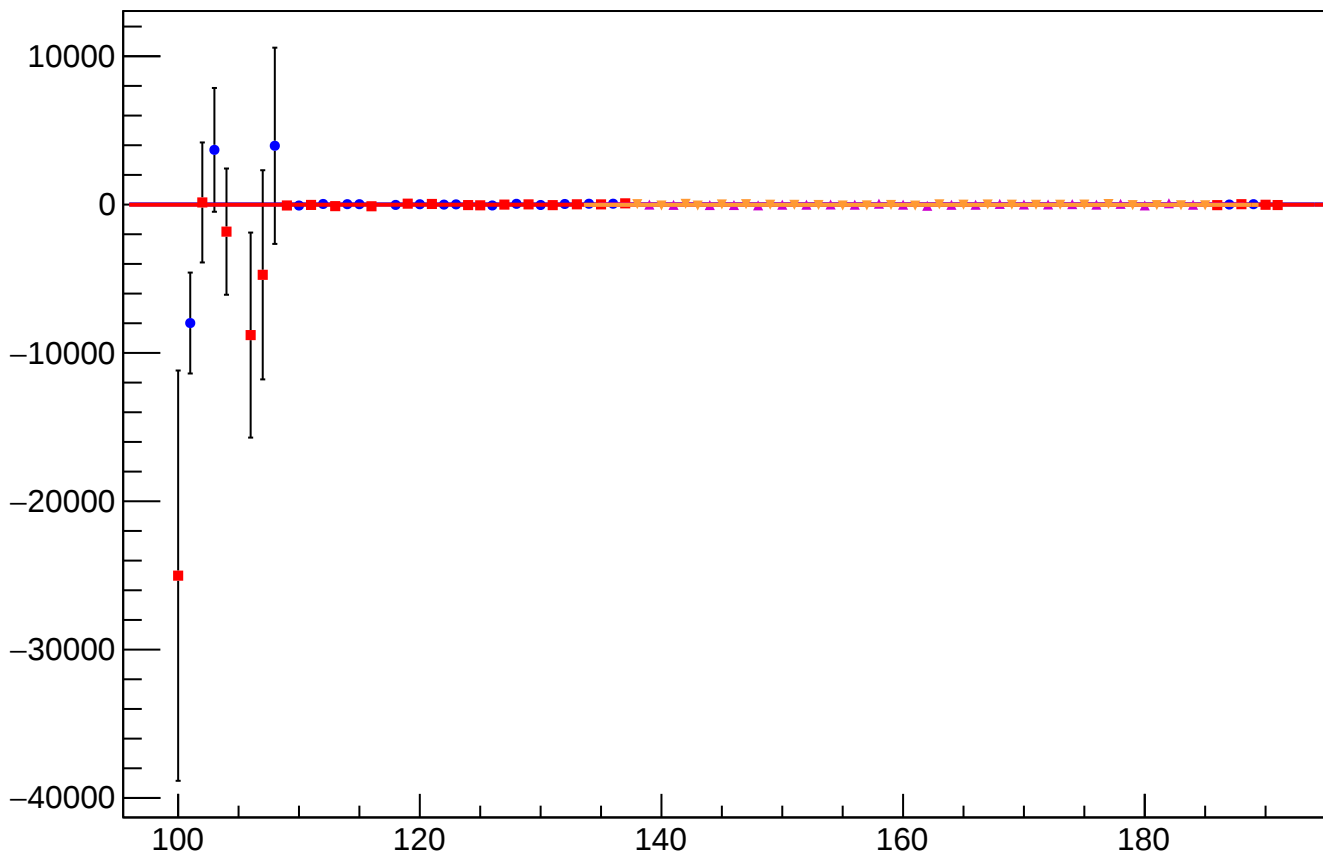
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 198.821 $\pm$ 0.030 χ^2 /NDF: 5577637.9/43

All: 191.389 $\pm$ 0.020 χ^2 /NDF: 11872845.3/89

- sign 184.942 $\pm$ 0.028 χ^2 /NDF: 6178780.4/45

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: -9.040+/-10.558 χ^2/NDF : 26.2/22

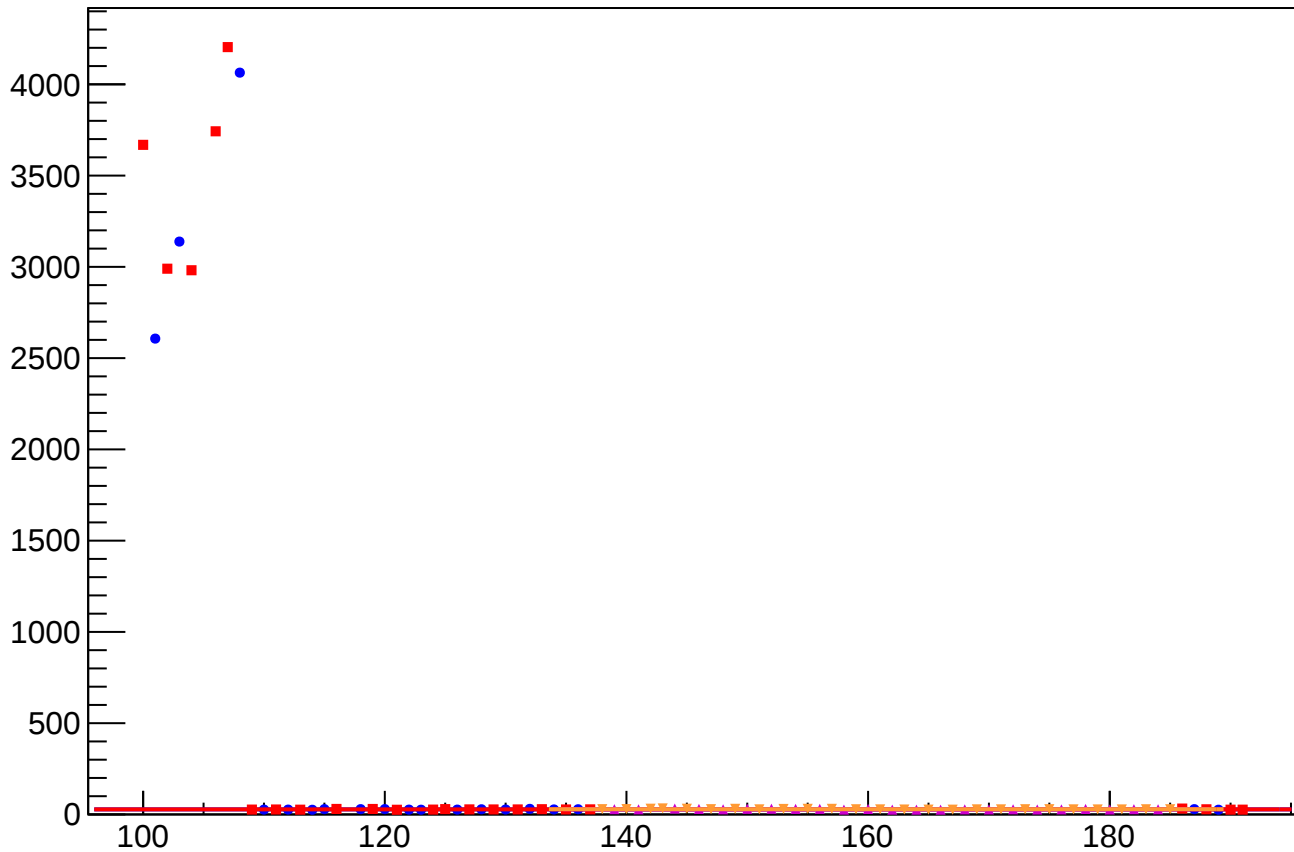
Left In: -1.038+/-6.880 χ^2/NDF : 32.4/22

+ sign -10.221+/-5.800 χ^2/NDF : 46.3/43

All: -6.801+/-4.089 χ^2/NDF : 106.0/89

- sign -3.423+/-5.764 χ^2/NDF : 59.0/45

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: 27.818 $\pm$ 0.007 χ^2 /NDF: 3496145.7/22

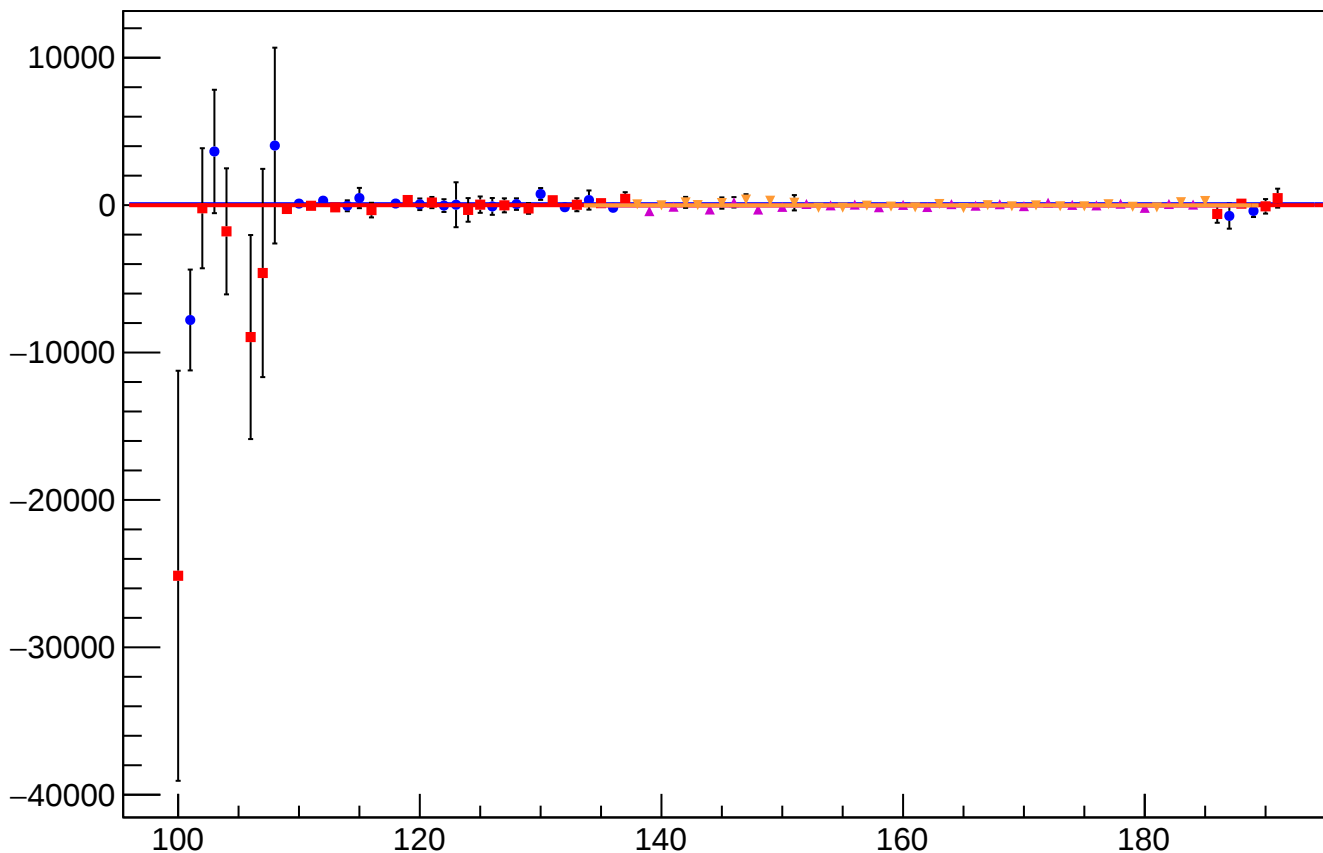
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.452 $\pm$ 0.004 χ^2 /NDF: 3153542.9/43

All: 28.435 $\pm$ 0.003 χ^2 /NDF: 6783675.9/89

- sign 28.418 $\pm$ 0.004 χ^2 /NDF: 3630097.9/45

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: -5.706+/-75.294 χ^2/NDF : 14.5/22

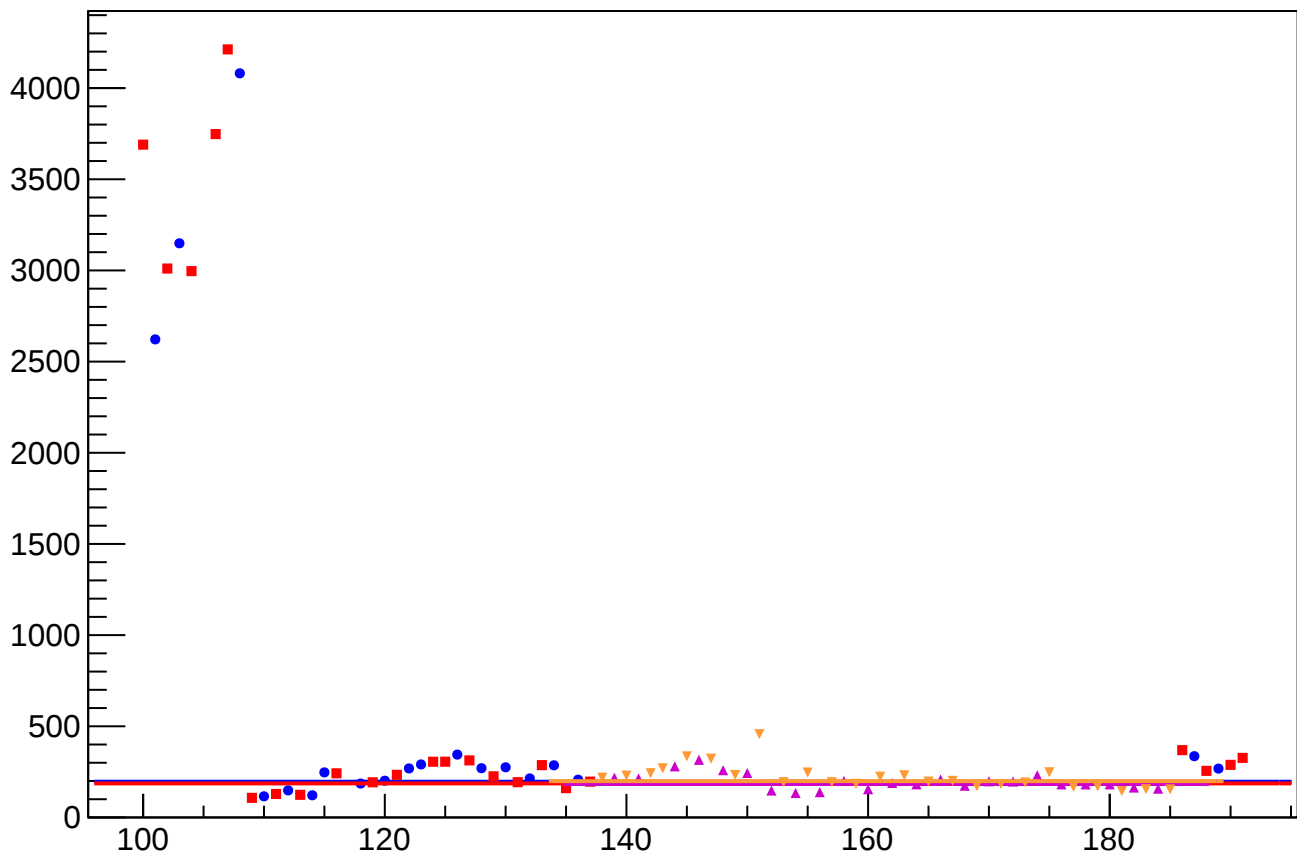
Left In: -27.009+/-45.785 χ^2/NDF : 7.8/22

+ sign 3.411+/-41.990 χ^2/NDF : 24.3/43

All: -9.796+/-28.623 χ^2/NDF : 46.8/89

- sign -21.259+/-39.120 χ^2/NDF : 22.4/45

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: 186.749 $\pm$ 0.053 χ^2 /NDF: 4769726.8/22

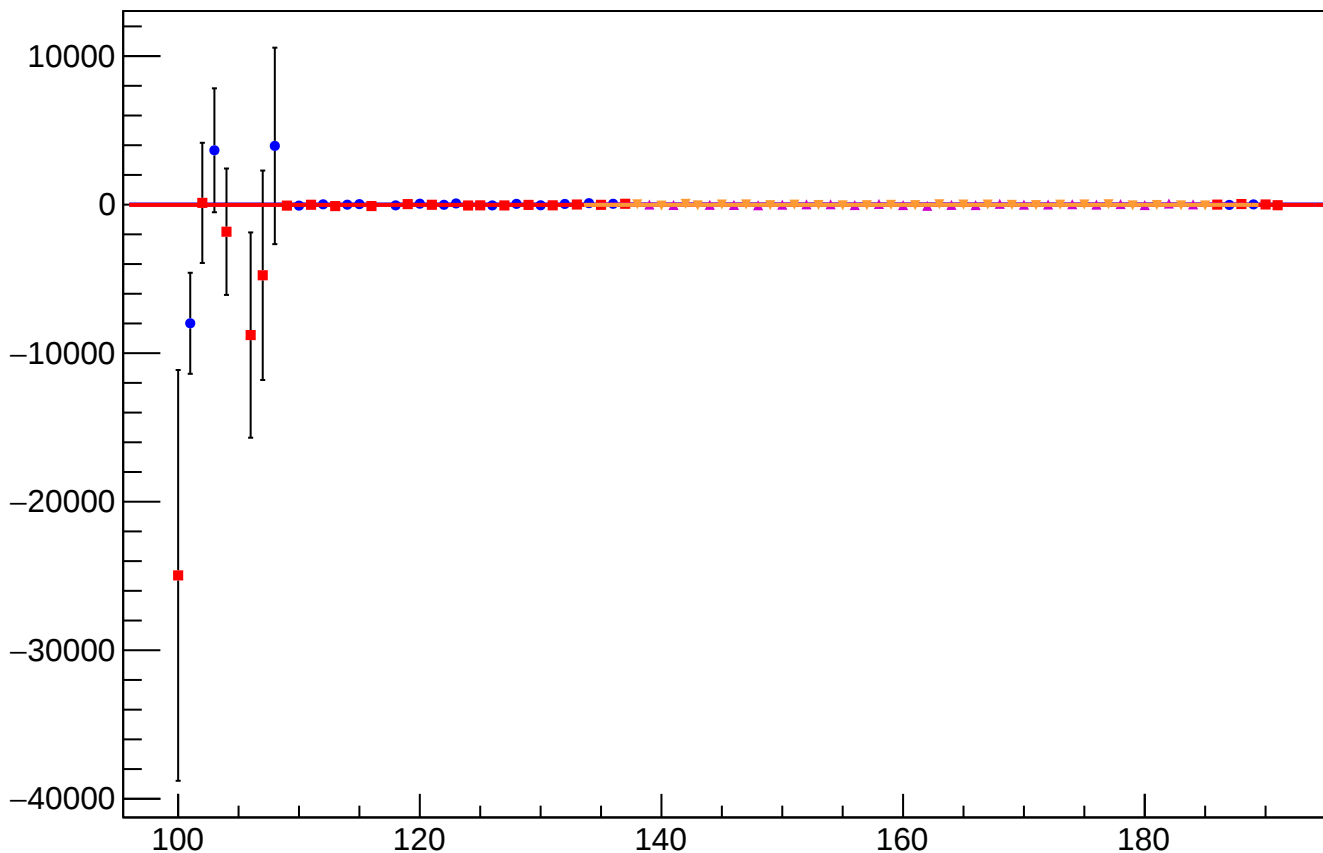
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 198.313 $\pm$ 0.030 χ^2 /NDF: 5590608.2/43

All: 190.918 $\pm$ 0.020 χ^2 /NDF: 11901550.7/89

- sign 184.499 $\pm$ 0.028 χ^2 /NDF: 6195069.2/45

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: -16.761 ± 10.602 χ^2/NDF : 21.6/22

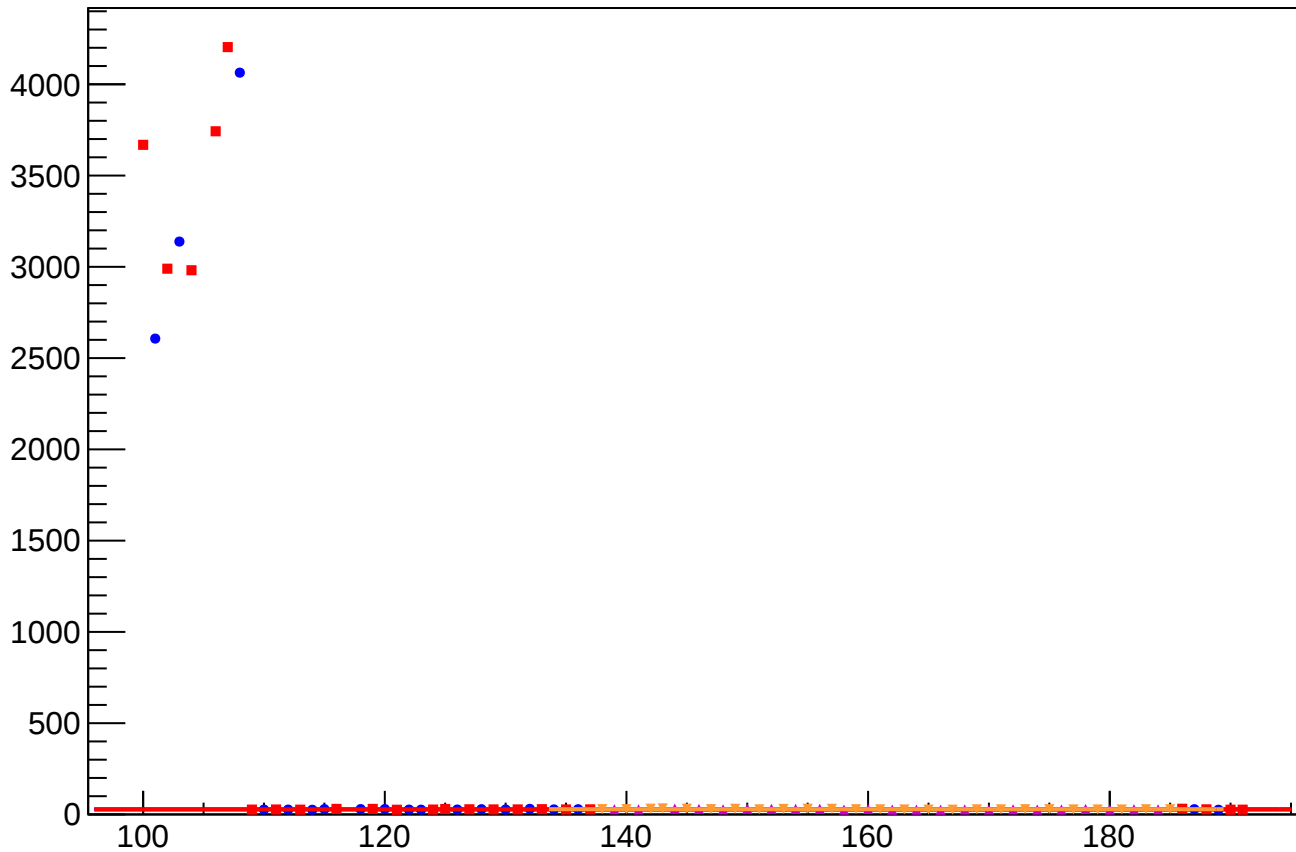
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -9.269 ± 5.827 χ^2/NDF : 43.4/43

All: -6.870 ± 4.107 χ^2/NDF : 93.6/89

- sign -4.504 ± 5.789 χ^2/NDF : 49.9/45

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: 27.935 $\pm$ 0.007 χ^2 /NDF: 3494027.6/22

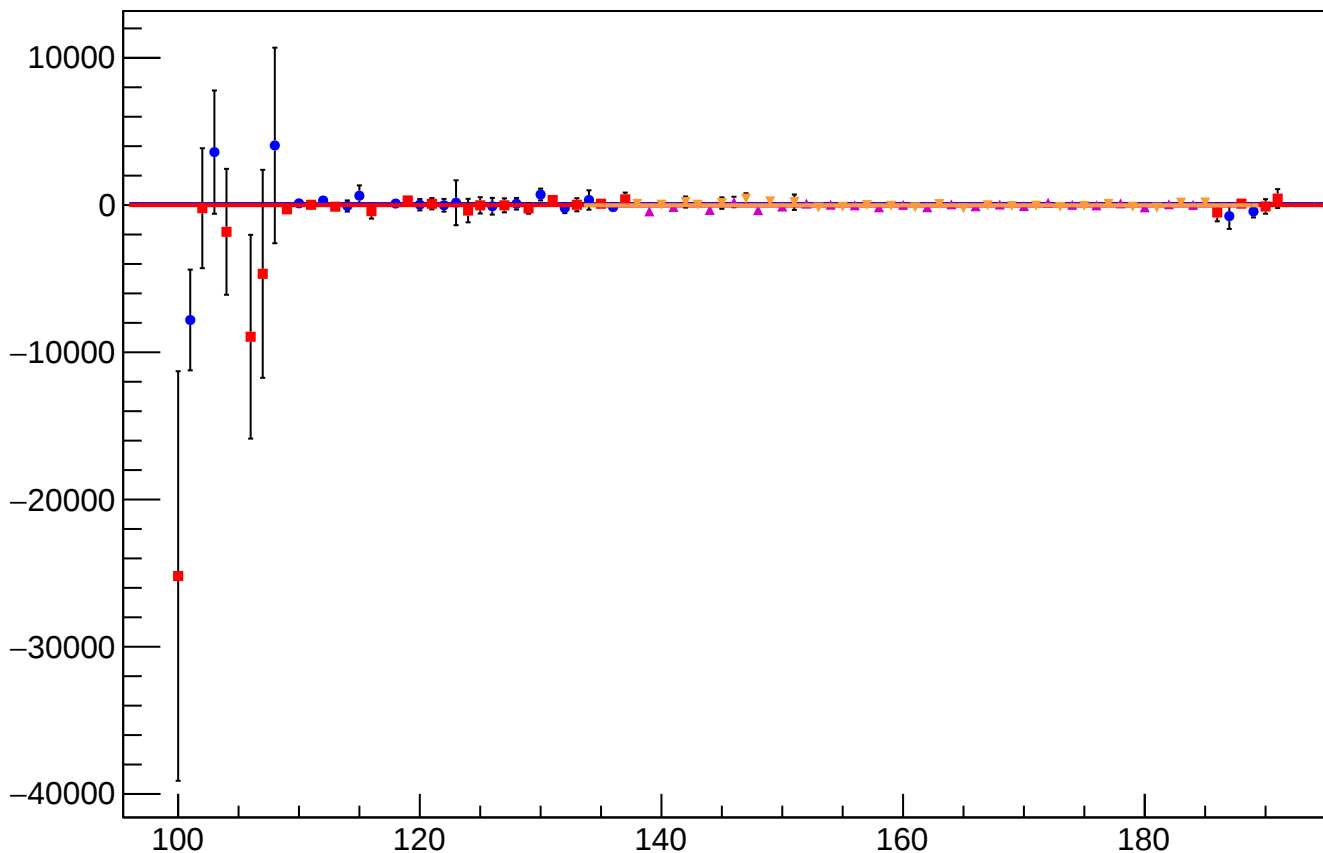
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.580 $\pm$ 0.004 χ^2 /NDF: 3166316.4/43

All: 28.558 $\pm$ 0.003 χ^2 /NDF: 6798975.5/89

- sign 28.537 $\pm$ 0.004 χ^2 /NDF: 3632602.9/45

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: -3.937 ± 76.215 χ^2/NDF : 13.6/22

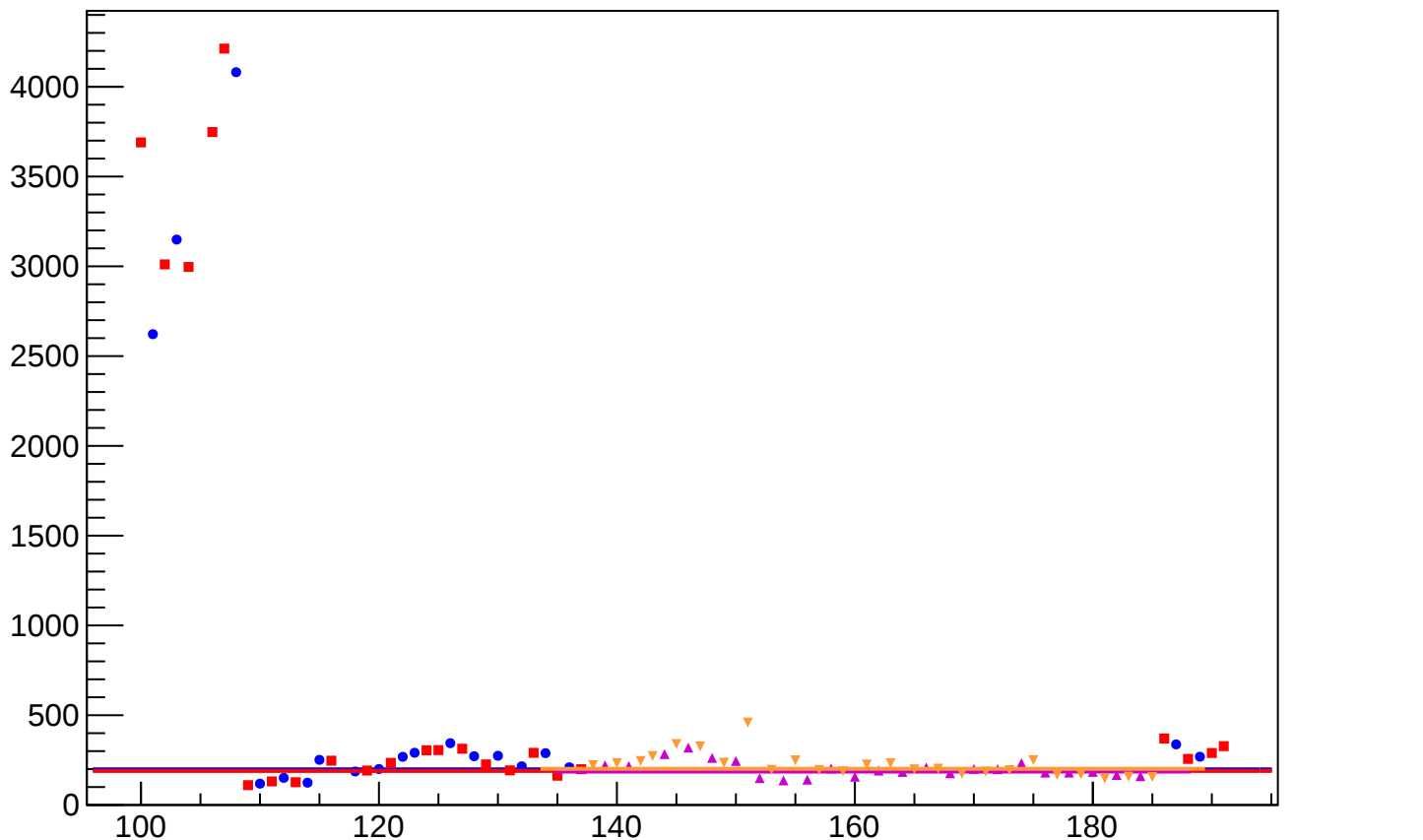
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign 4.259 ± 42.491 χ^2/NDF : 23.7/43

All: -10.763 ± 28.972 χ^2/NDF : 45.9/89

- sign -23.815 ± 39.607 χ^2/NDF : 21.9/45

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: 189.633 $\pm$ 0.054 χ^2 /NDF: 4696577.5/22

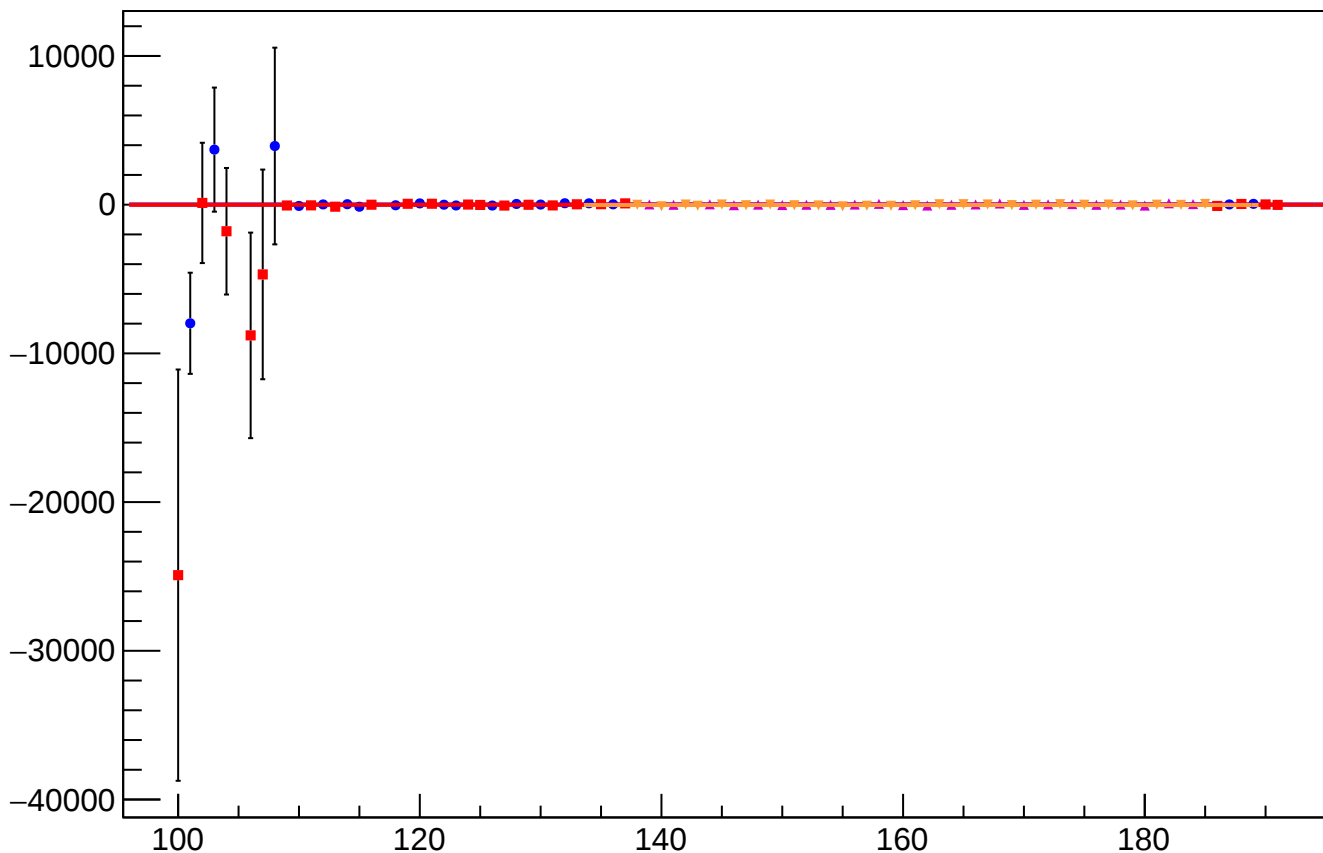
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 200.873 $\pm$ 0.030 χ^2 /NDF: 5514751.6/43

All: 193.482 $\pm$ 0.020 χ^2 /NDF: 11718889.4/89

- sign 187.059 $\pm$ 0.028 χ^2 /NDF: 6091030.2/45

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: -5.851+/-12.889 χ^2/NDF : 25.7/22

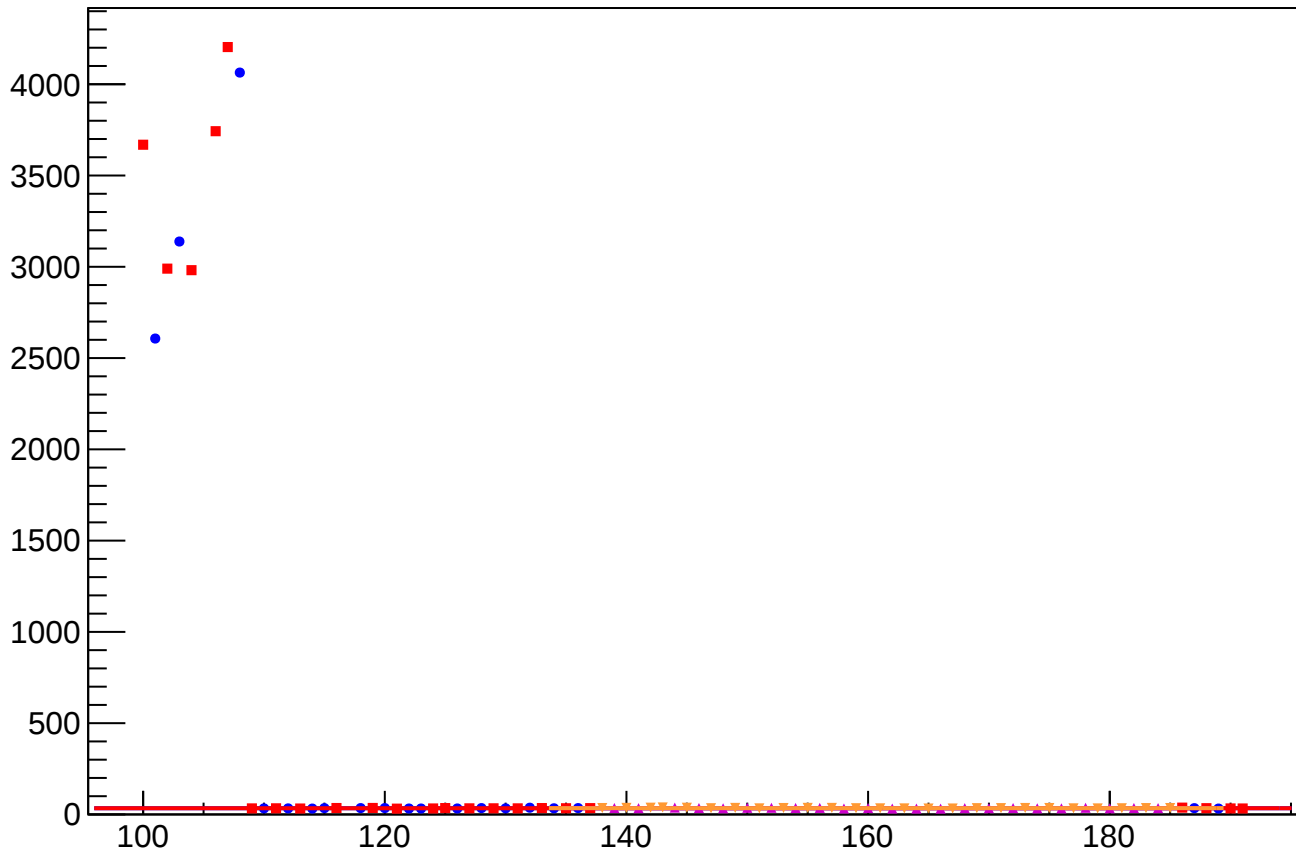
Left In: 6.001+/-8.309 χ^2/NDF : 21.1/22

+ sign -14.948+/-7.018 χ^2/NDF : 51.4/43

All: -6.170+/-4.950 χ^2/NDF : 101.9/89

- sign 2.522+/-6.983 χ^2/NDF : 47.4/45

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: 34.042 $\pm$ 0.009 χ^2 /NDF: 3459832.3/22

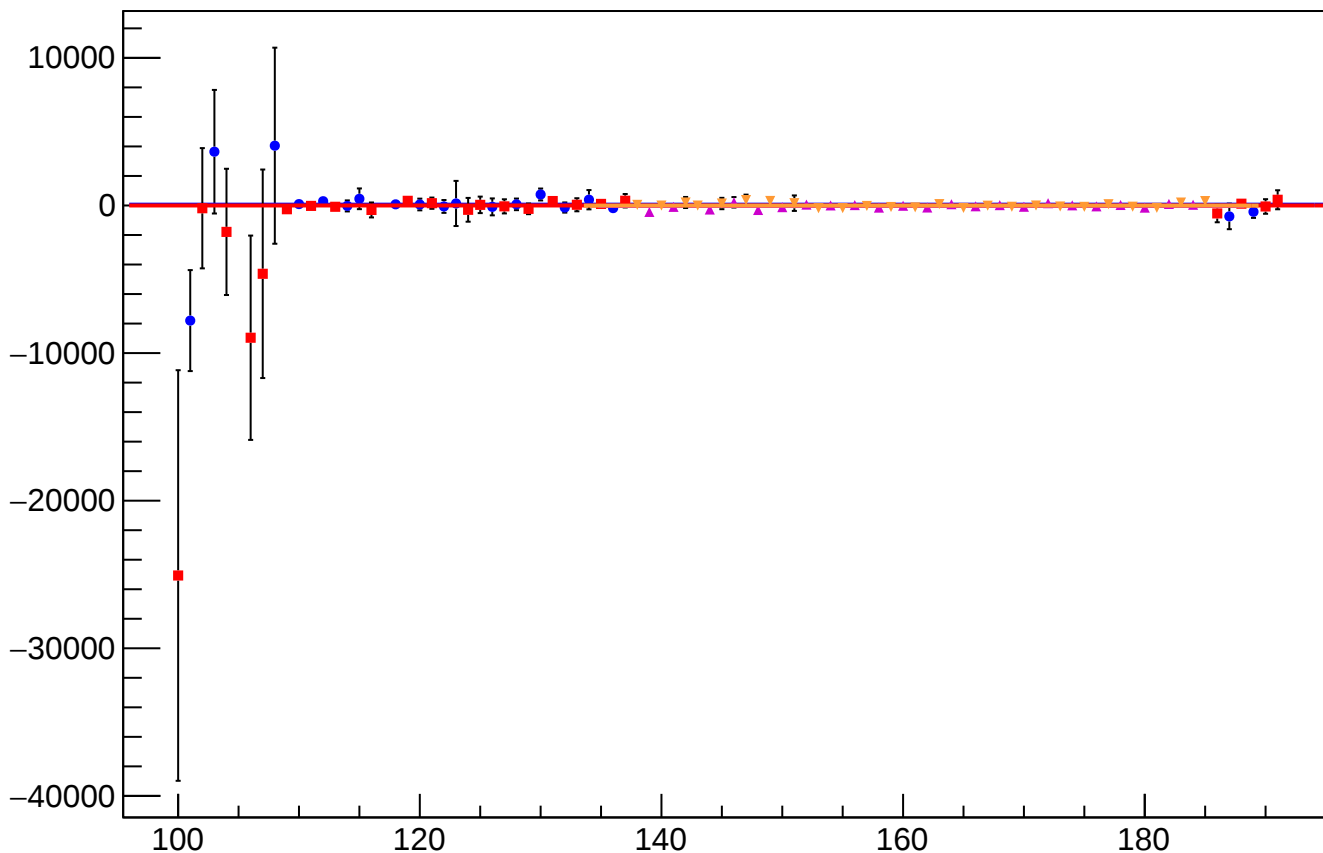
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.476 $\pm$ 0.005 χ^2 /NDF: 3069680.9/43

All: 34.486 $\pm$ 0.004 χ^2 /NDF: 6593350.6/89

- sign 34.496 $\pm$ 0.005 χ^2 /NDF: 3523661.2/45

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 55.911 $\pm$ 86.606 χ^2 /NDF: 14.9/18

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: 0.209 $\pm$ 75.764 χ^2 /NDF: 12.5/22

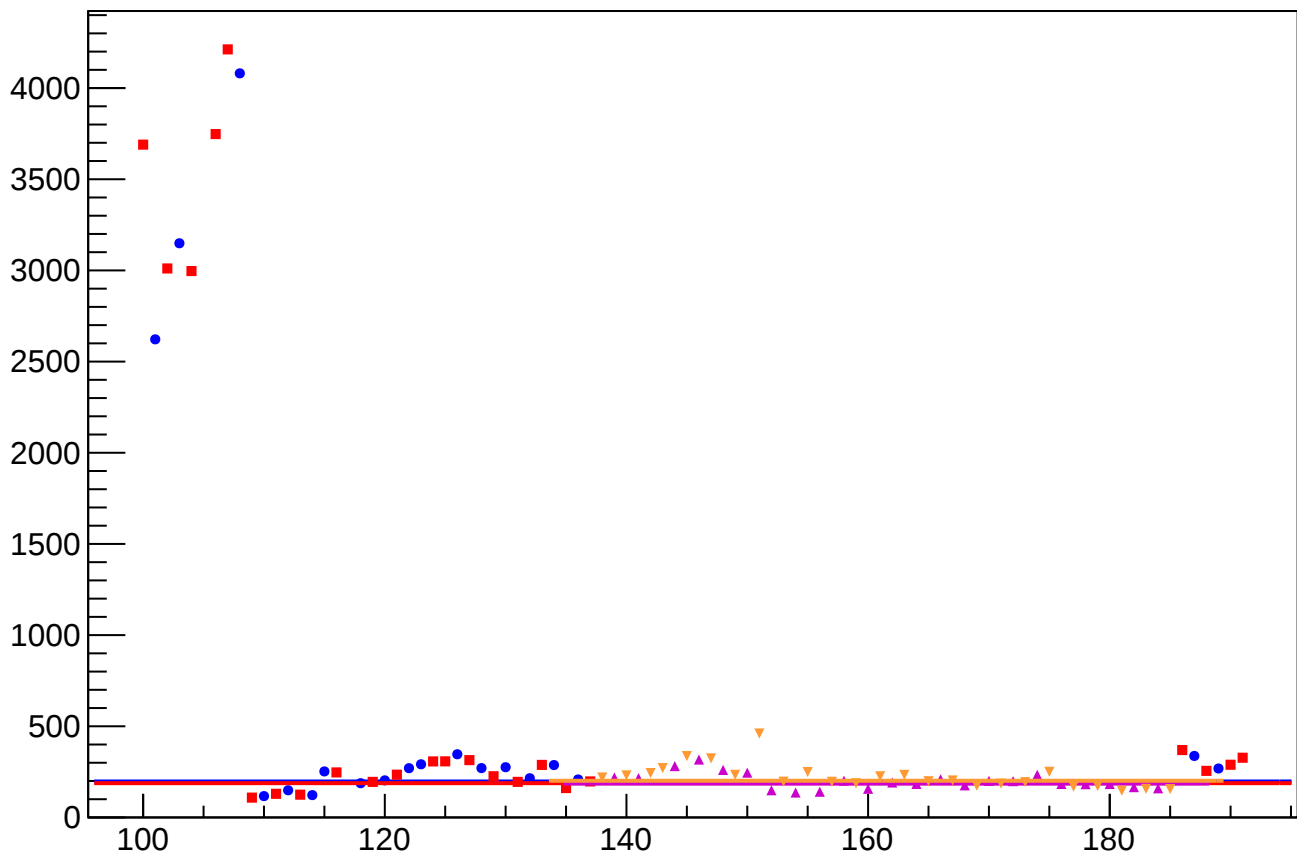
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign 6.616 $\pm$ 42.393 χ^2 /NDF: 23.9/43

All: -10.194 $\pm$ 28.901 χ^2 /NDF: 44.3/89

- sign -24.792 $\pm$ 39.505 χ^2 /NDF: 20.1/45

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.234 $\pm$ 0.061 χ^2 /NDF: 3695884.8/18

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 188.086 $\pm$ 0.054 χ^2 /NDF: 4751770.6/22

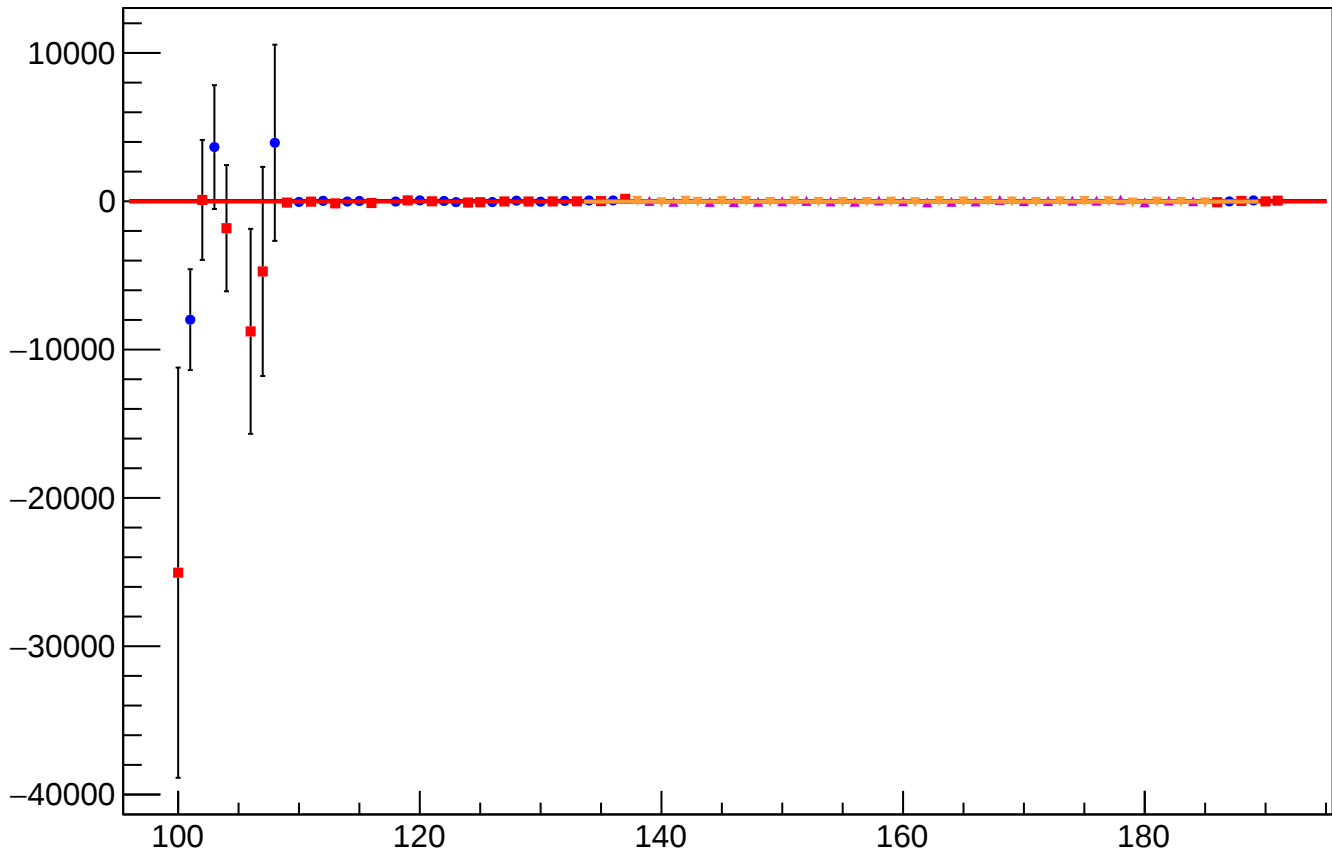
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 200.323 $\pm$ 0.030 χ^2 /NDF: 5550364.2/43

All: 192.904 $\pm$ 0.020 χ^2 /NDF: 11799632.5/89

- sign 186.461 $\pm$ 0.028 χ^2 /NDF: 6134806.1/45

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: -14.692+/-11.728 χ^2/NDF : 31.3/22

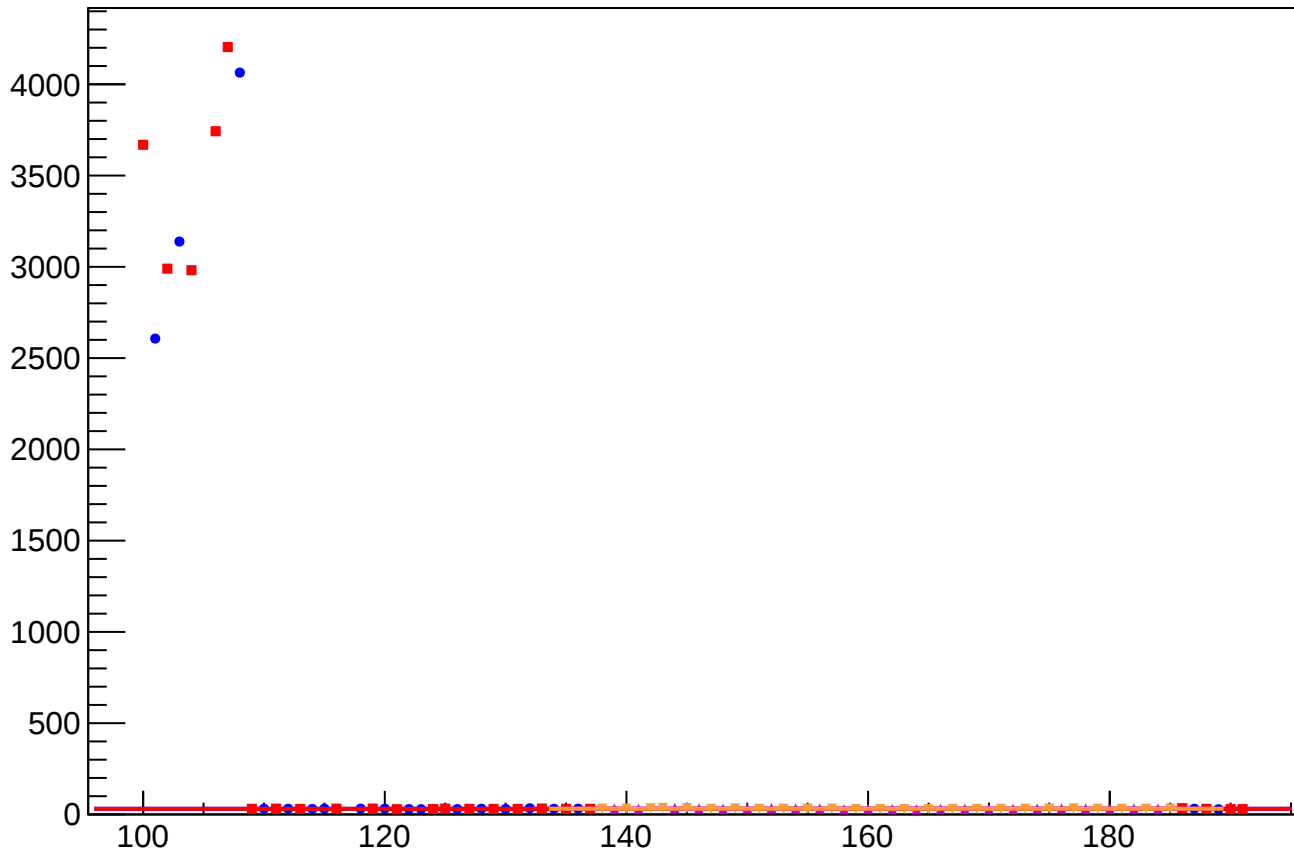
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -13.498+/-6.387 χ^2/NDF : 41.1/43

All: -6.759+/-4.503 χ^2/NDF : 115.1/89

- sign -0.103+/-6.348 χ^2/NDF : 71.8/45

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: 30.940 $\pm$ 0.008 χ^2 /NDF: 3471133.5/22

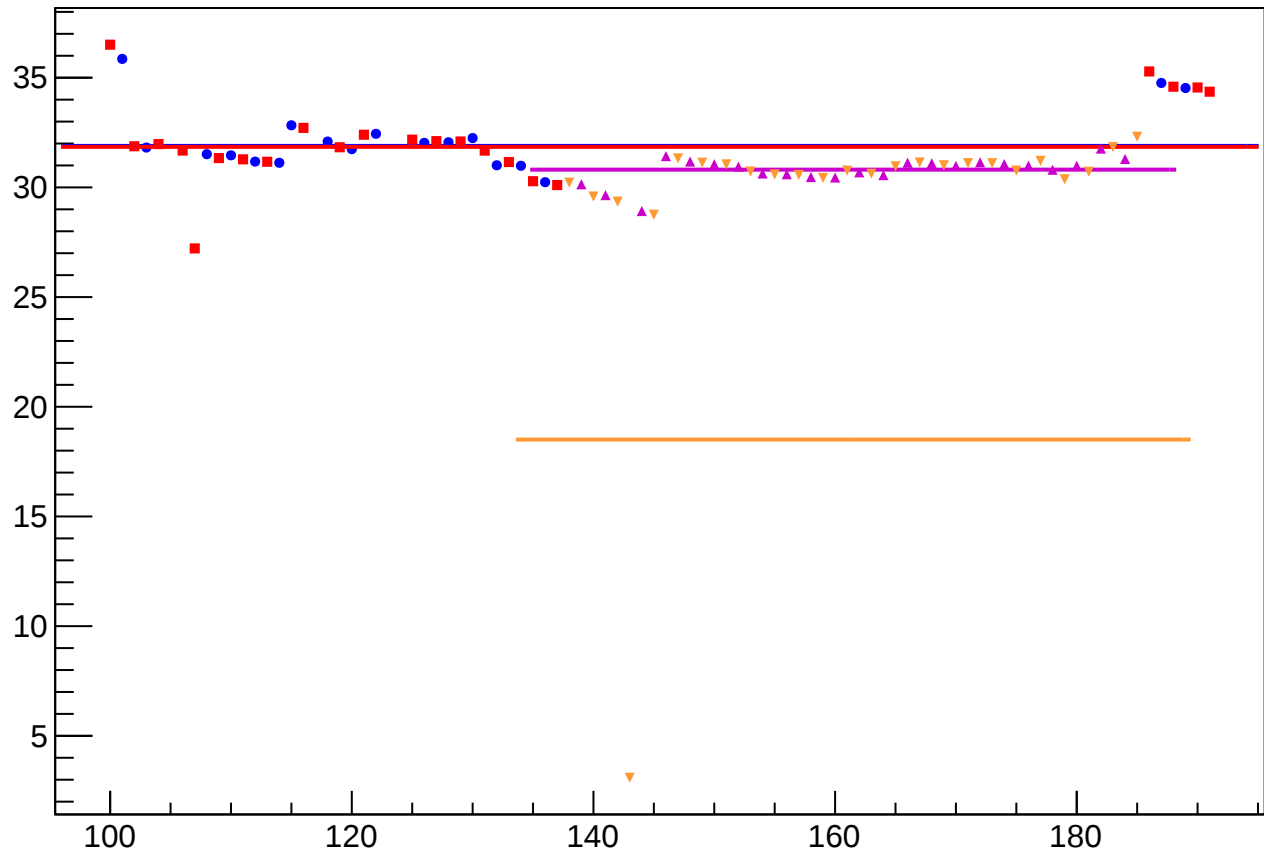
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.358 $\pm$ 0.005 χ^2 /NDF: 3104898.0/43

All: 31.341 $\pm$ 0.003 χ^2 /NDF: 6667086.2/89

- sign 31.325 $\pm$ 0.004 χ^2 /NDF: 3562161.5/45

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: 31.848+/-0.000 χ^2/NDF : 1638312983.6/21

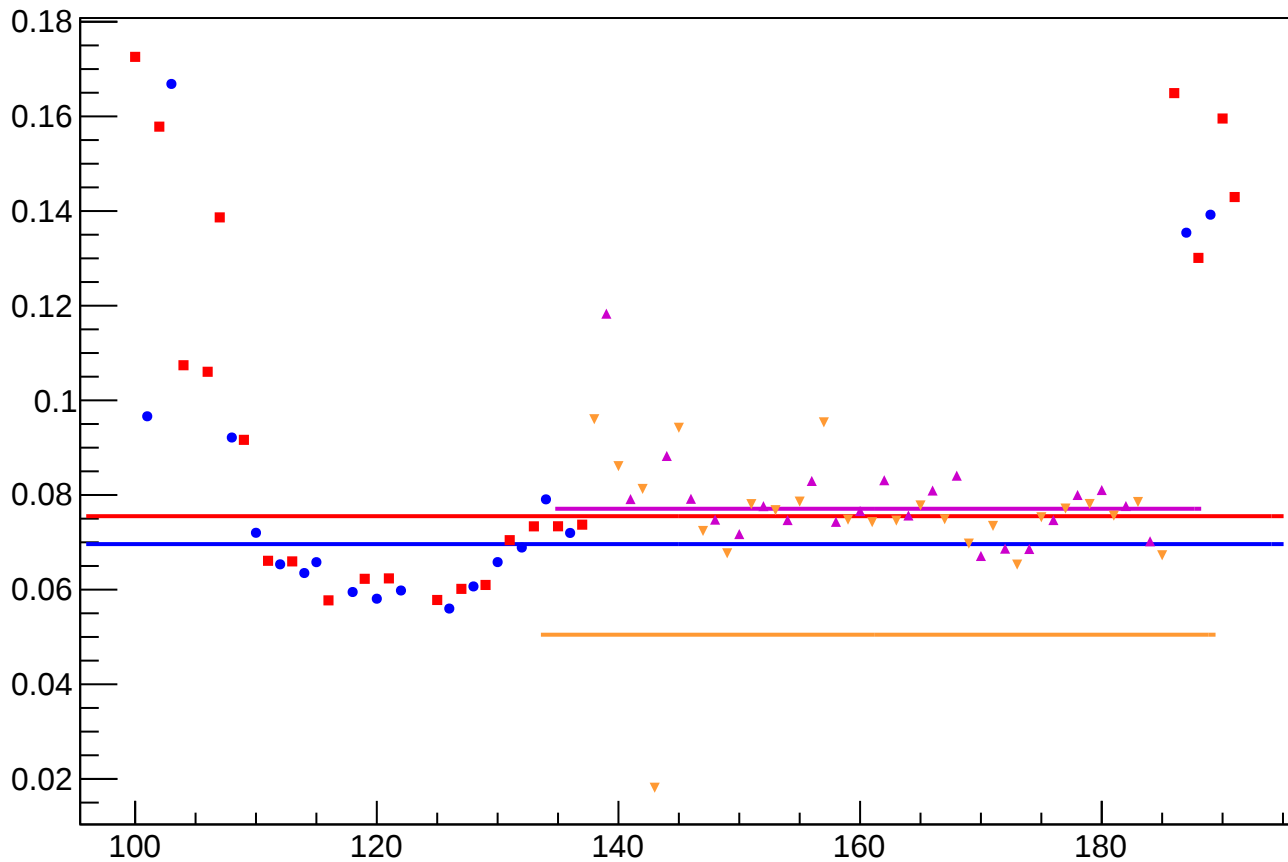
Left In: 30.809+/-0.000 χ^2/NDF : 821961762.3/22

+ sign 21.238+/-0.000 χ^2/NDF : 1123834948354.5/4

All: 25.077+/-0.000 χ^2/NDF : 1364246093092

- sign 31.145+/-0.000 χ^2/NDF : 3391017287.9/44

yield_usl_rms vs Slug



Right In: 0.070 +/- 0.000 χ^2/NDF : 910263.1/17

Left Out: 0.050 +/- 0.000 χ^2/NDF : 8543648.6/24

Right Out: 0.076 +/- 0.000 χ^2/NDF : 1720664.4/21

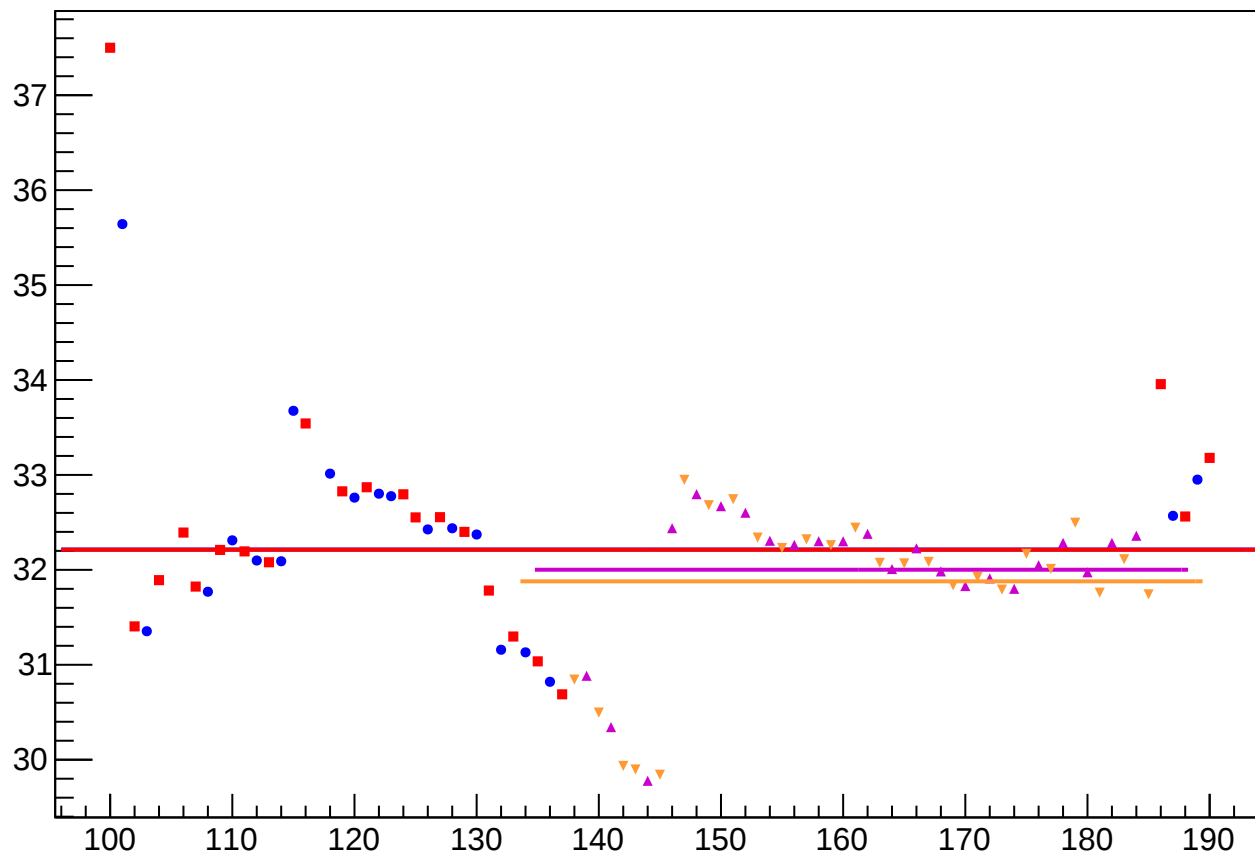
Left In: 0.077 +/- 0.000 χ^2/NDF : 325844.3/22

+ sign 0.054 +/- 0.000 χ^2/NDF : 10196253.0/42

All: 0.063 +/- 0.000 χ^2/NDF : 14626338.4/87

- sign 0.077 +/- 0.000 χ^2/NDF : 2050751.6/44

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

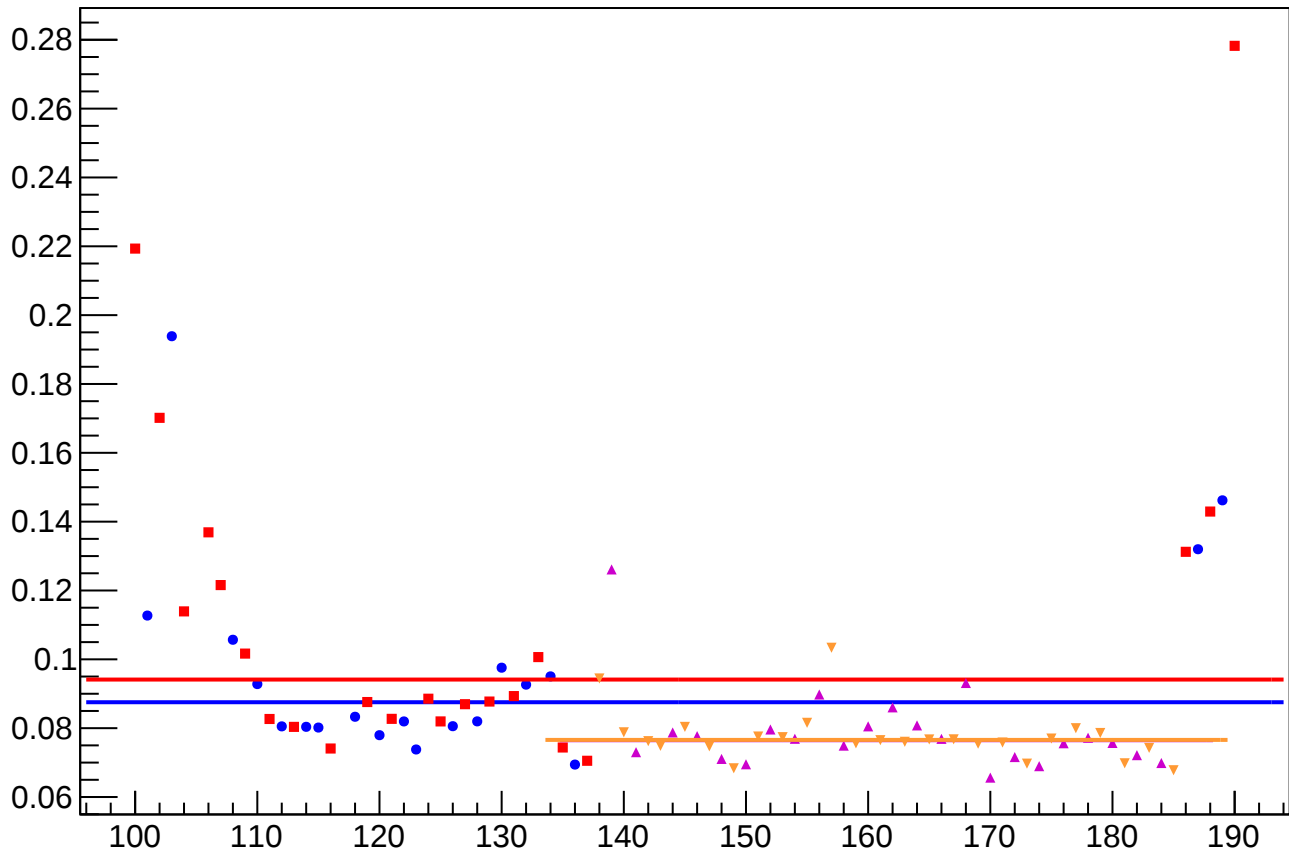
Left In: 32.001+/-0.000 χ^2 /NDF:1411110671.9/22

+ 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

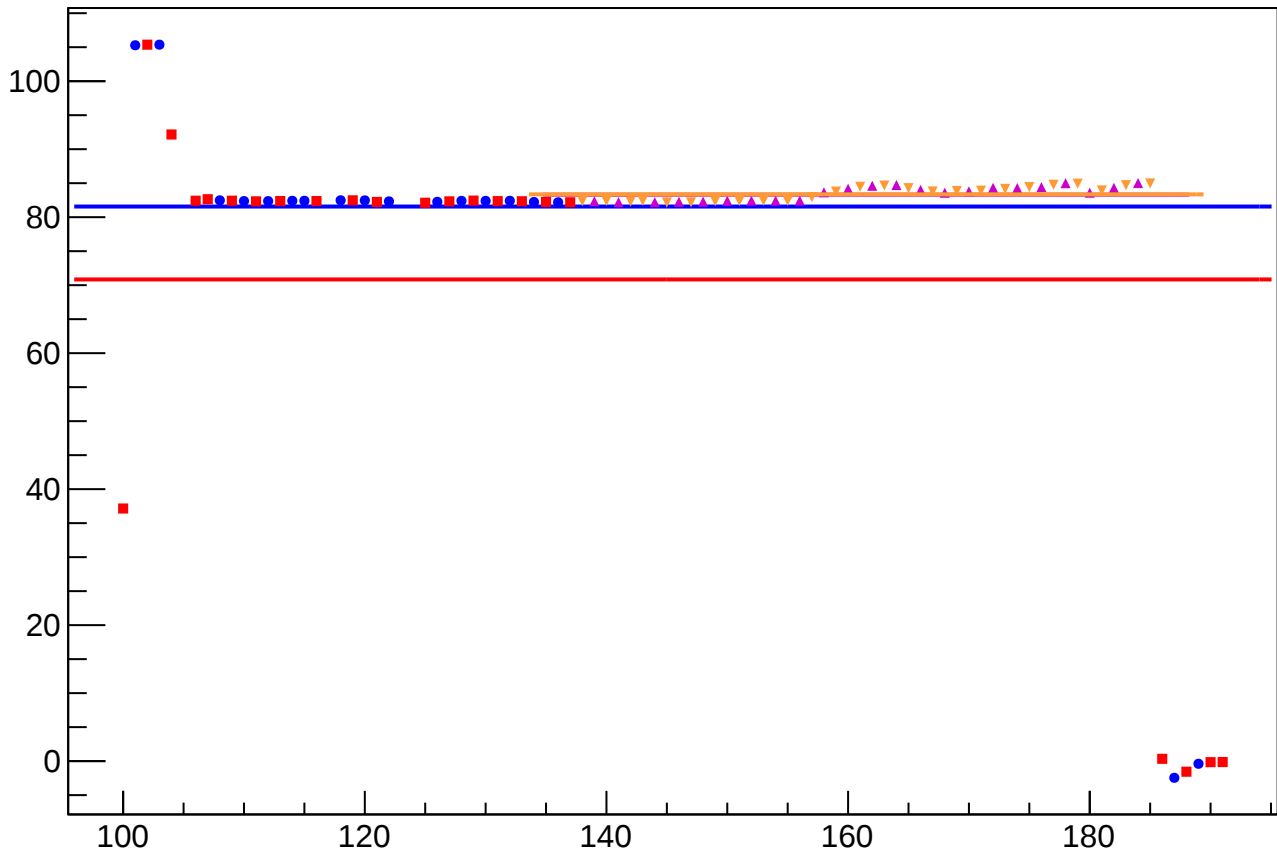
Left In: 0.076 ± 0.000 χ^2/NDF : 432563.3/22

+ 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+/-0.000 χ^2/NDF : 1901450979326.3/17

Left Out: 83.355+/-0.000 χ^2/NDF : 9142393022.8/24

Right Out: 70.844+/-0.000 χ^2/NDF : 4864918096642.5/21

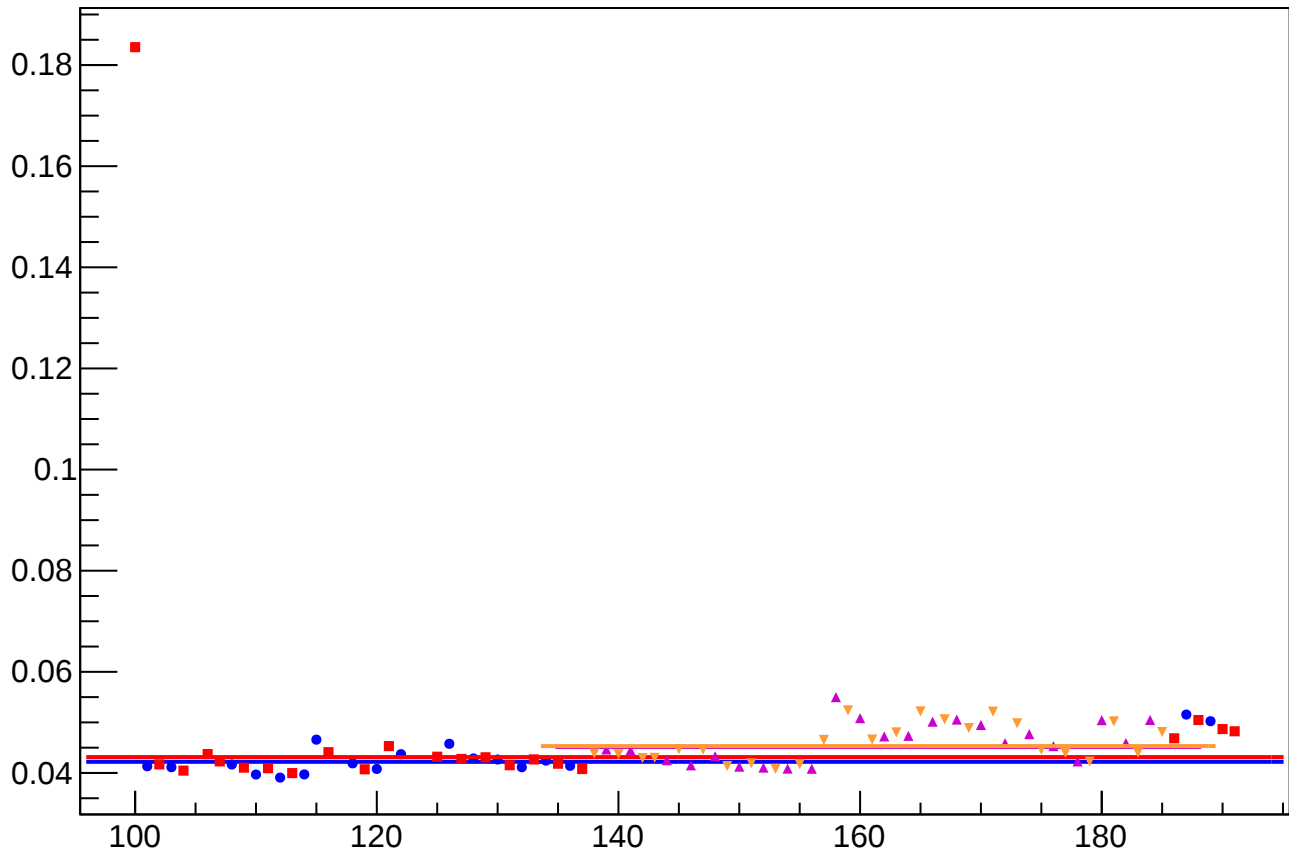
Left In: 83.309+/-0.000 χ^2/NDF : 8421247810.9/22

+ sign 82.793+/-0.000 χ^2/NDF : 1919340307344.1/4

All: 80.791+/-0.000 χ^2/NDF : 7357216001873

- sign 78.834+/-0.000 χ^2/NDF : 5337345778340.6/4

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 52680.5/17

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF: 211358.2/24

Right Out: 0.043 $\pm$ 0.000 χ^2 /NDF: 163417.7/21

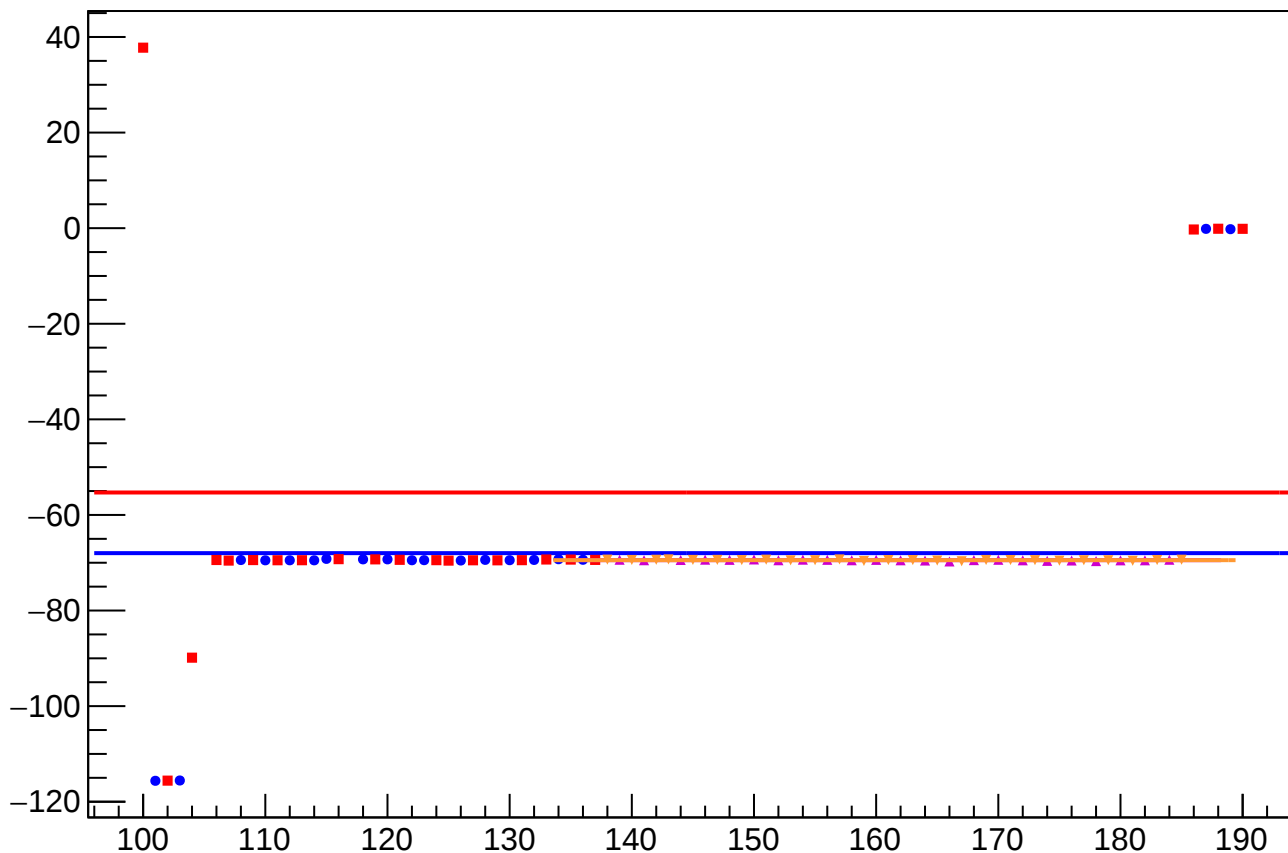
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF: 242885.4/22

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 316841.1/42

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 747200.2/87

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 430266.2/44

yield_dsr_mean vs Slug



Right In: -67.992 ± 0.000 $\chi^2/\text{NDF}: 1901975430878.5/18$

Left Out: -69.461 ± 0.000 $\chi^2/\text{NDF}: 49572401.9/24$

Right Out: -55.303 ± 0.000 $\chi^2/\text{NDF}: 3293468697742.5/21$

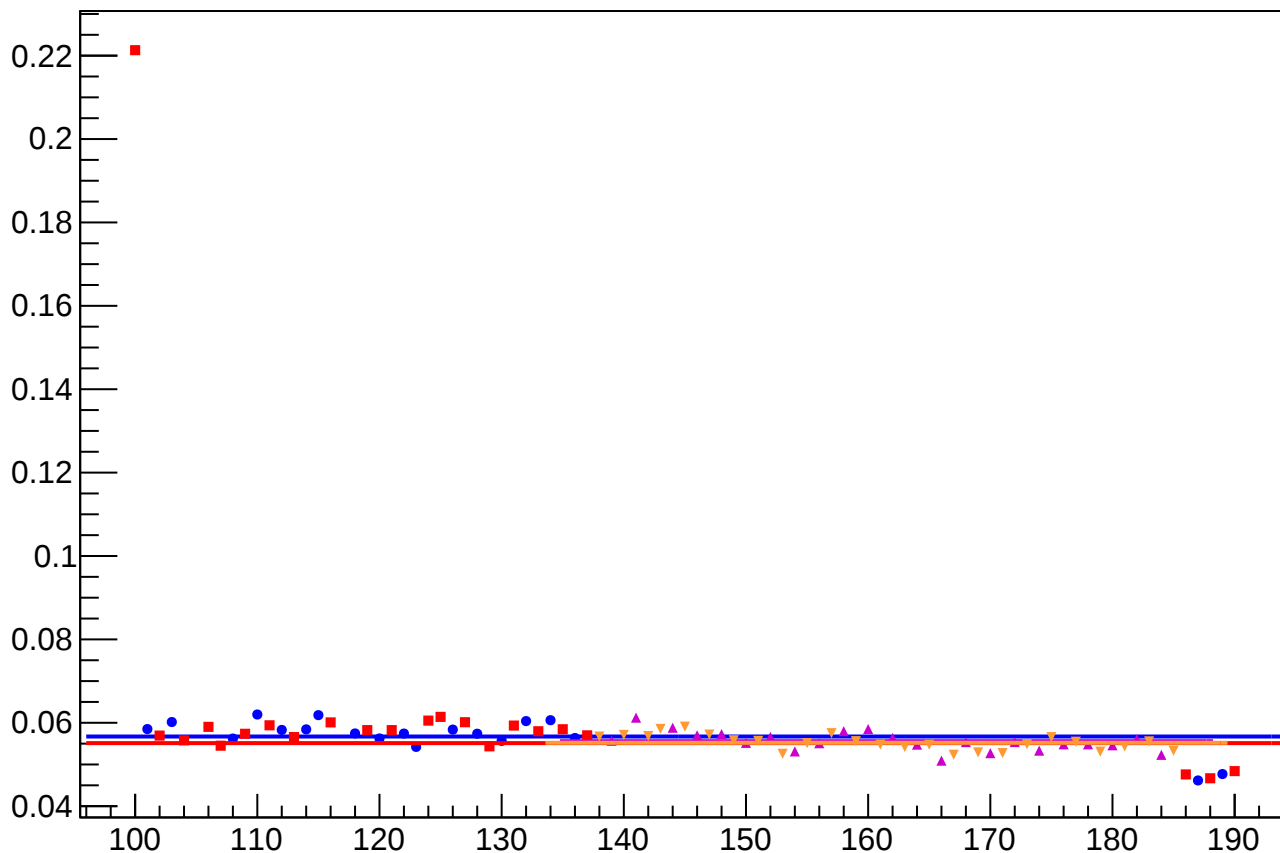
Left In: -69.458 ± 0.000 $\chi^2/\text{NDF}: 52798704.3/22$

+ sign -69.063 ± 0.000 $\chi^2/\text{NDF}: 1905434455014.1/18$

All: -66.858 ± 0.000 $\chi^2/\text{NDF}: 564218012007.5/18$

- sign -64.708 ± 0.000 $\chi^2/\text{NDF}: 3659952523758.1/18$

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

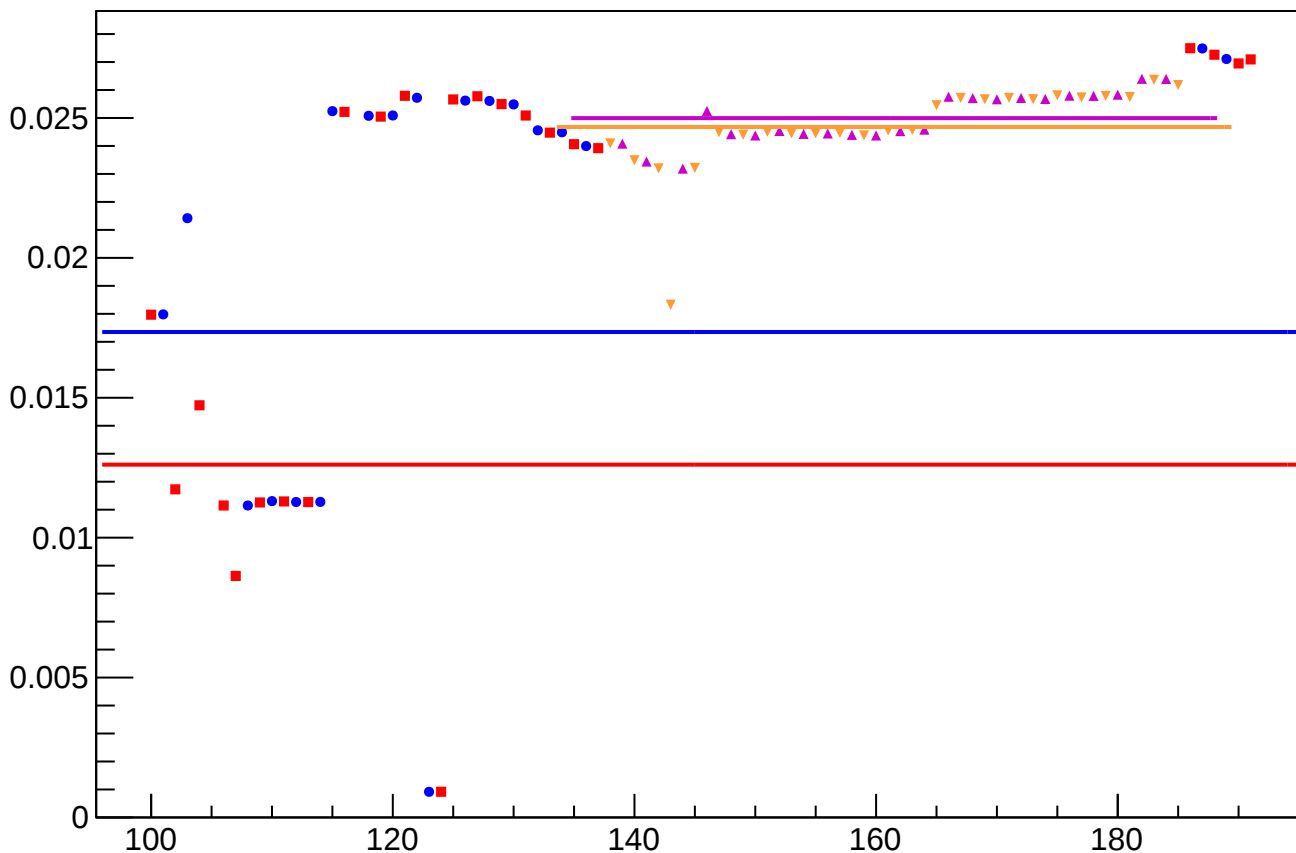
Left In: 0.056+/-0.000 χ^2/NDF : 52190.5/22

+ 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+/-0.000 χ^2/NDF : 133706537108.2/18

Left Out: 0.025+/-0.000 χ^2/NDF : 9641065555.8/24

Right Out: 0.013+/-0.000 χ^2/NDF : 283449881465.8/22

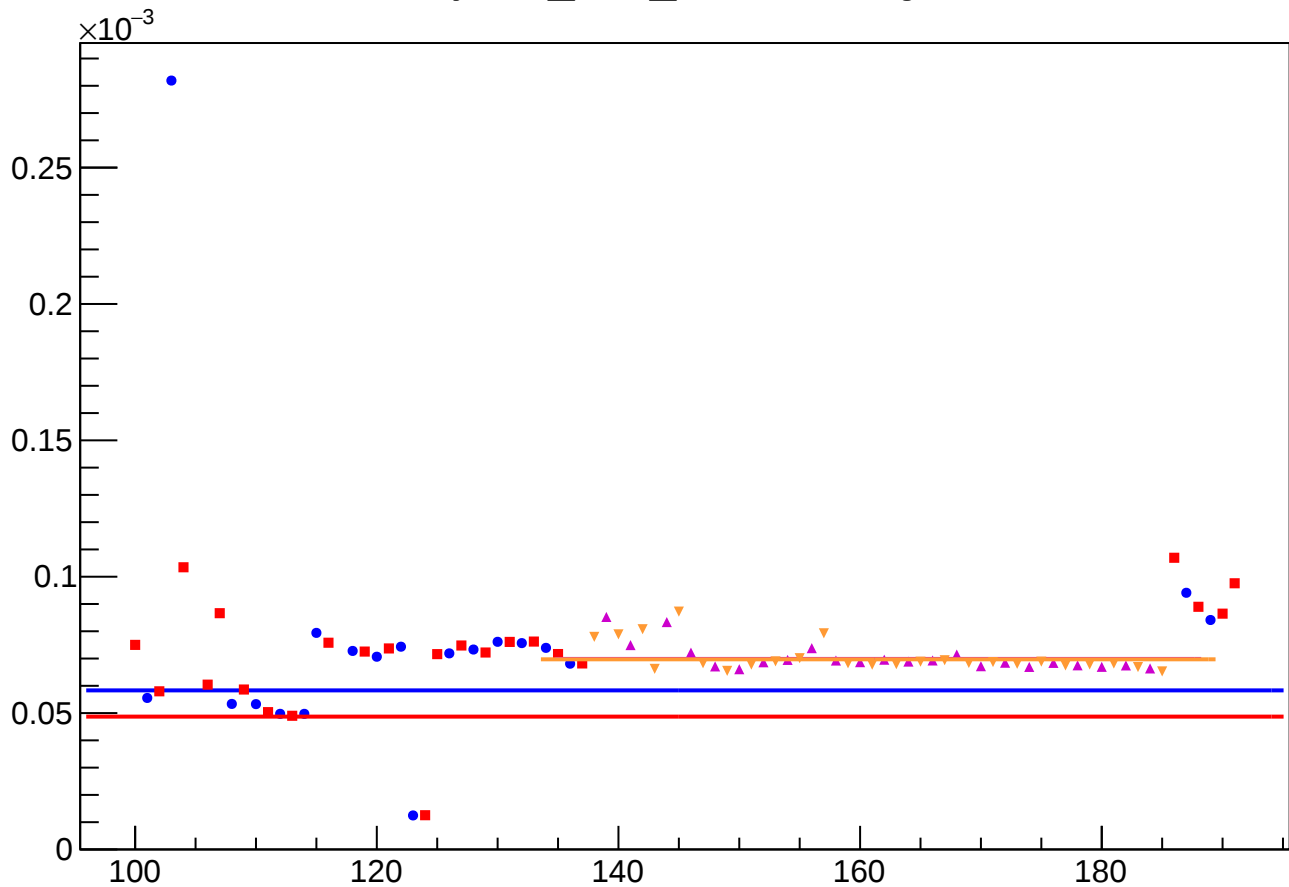
Left In: 0.025+/-0.000 χ^2/NDF : 2462473687.7/22

+ sign 0.022+/-0.000 χ^2/NDF : 207296694388.9/43

All: 0.021+/-0.000 χ^2/NDF : 742682639878.3

- sign 0.020+/-0.000 χ^2/NDF : 515746817773.5/45

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2124648.0/18

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4498630.0/22

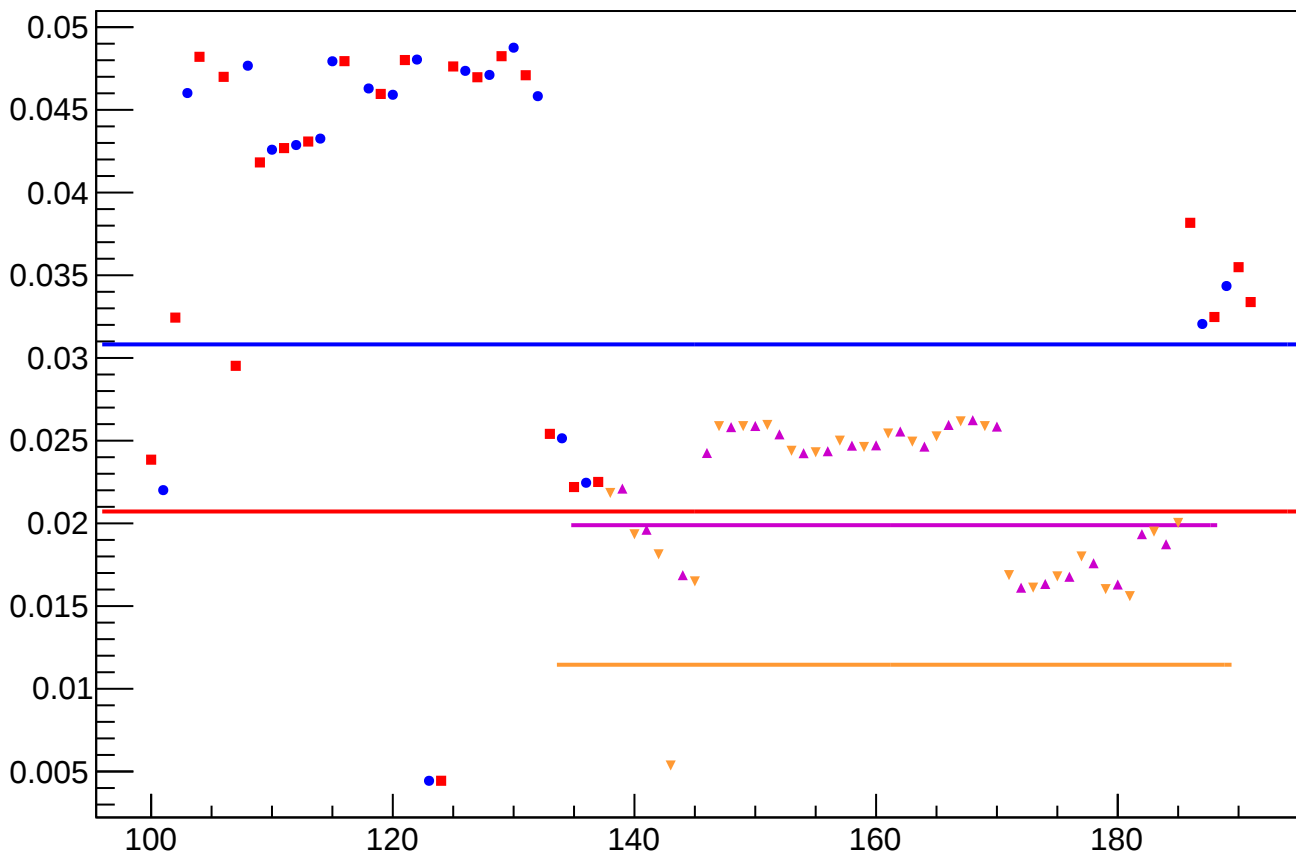
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 2591783.0/43

All: 0.000+/-0.000 χ^2/NDF : 8717108.6/89

- sign 0.000+/-0.000 χ^2/NDF : 5968420.8/45

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21107654373.1/18

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.021+/-0.000 χ^2/NDF : 40990328610.5/22

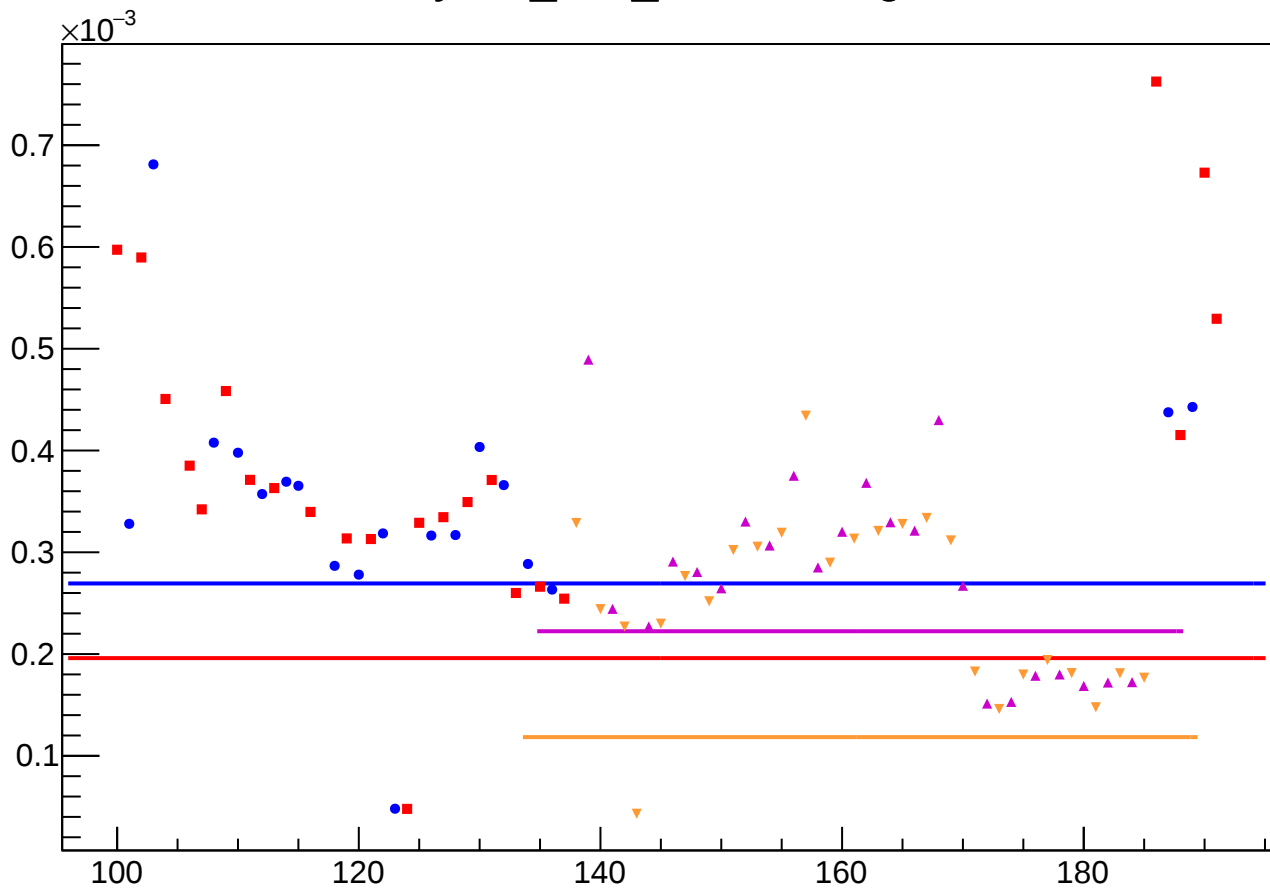
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 86361416937.8/43

All: 0.016+/-0.000 χ^2/NDF : 144786190618.1

- sign 0.020+/-0.000 χ^2/NDF : 45508834960.2/45

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2556592.3/18

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6804224.4/22

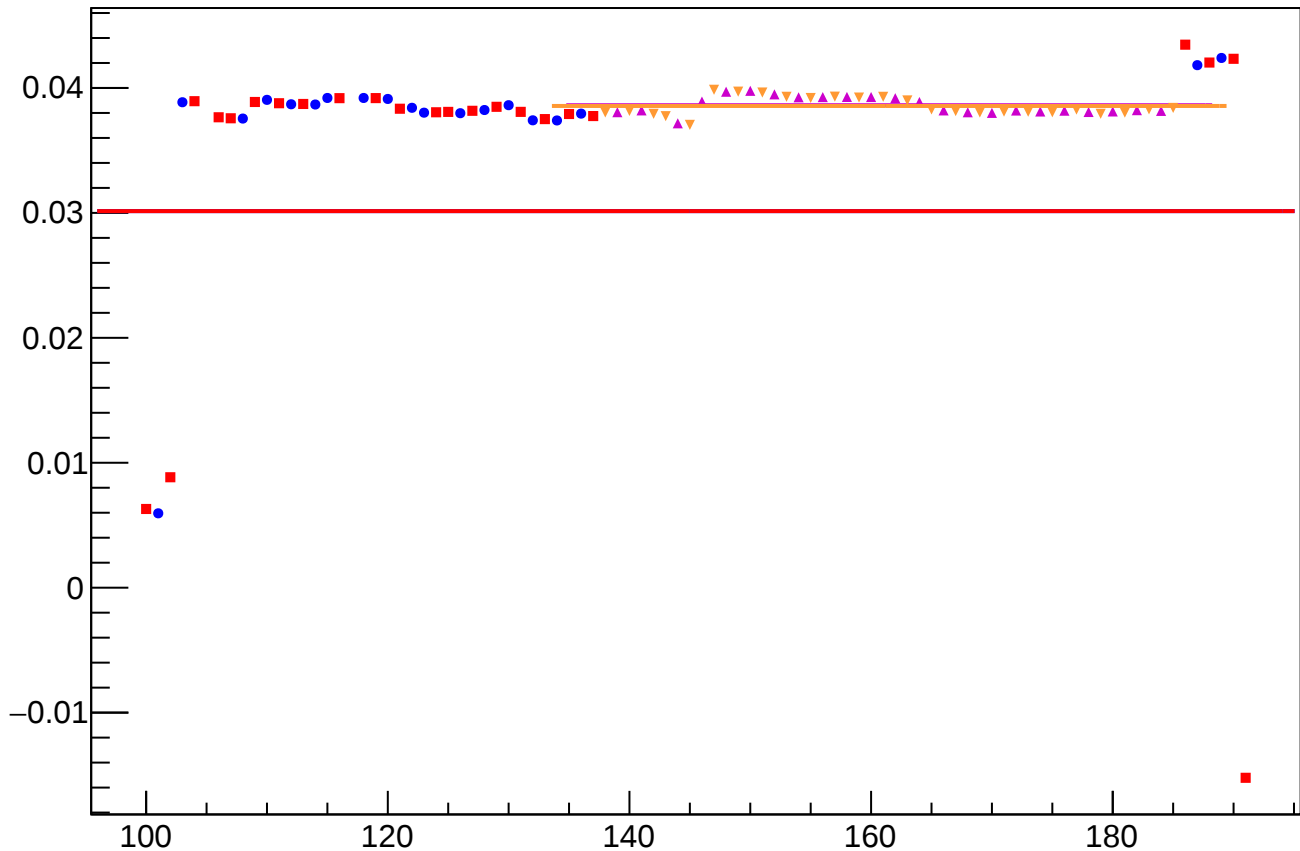
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 19153464.8/43

All: 0.000+/-0.000 χ^2/NDF : 33036982.1/89

- sign 0.000+/-0.000 χ^2/NDF : 10206947.5/45

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

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 165945129773.8/22

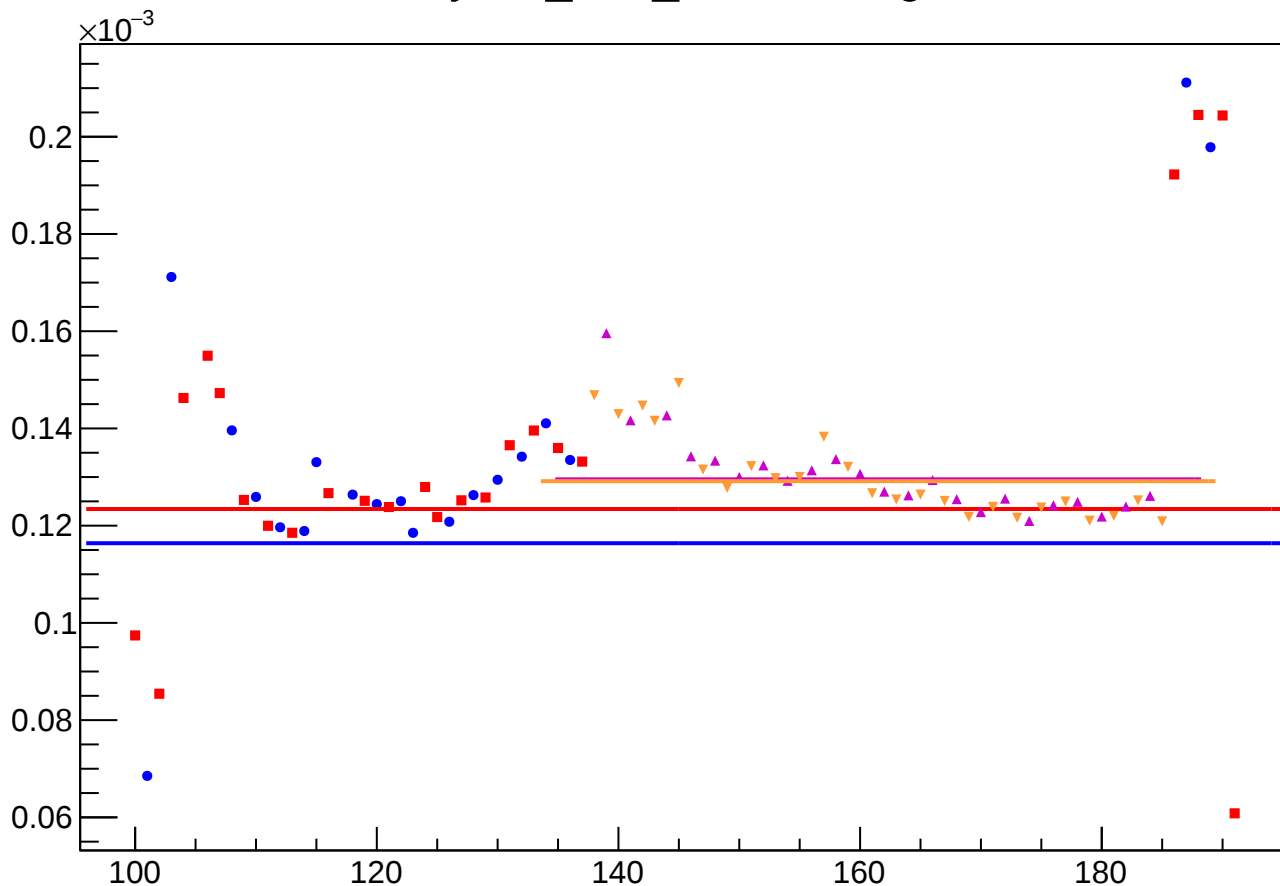
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 123321666343.3/43

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 314588003095.7

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 191232789955.1/45

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 999219.7/18

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1133134.7/22

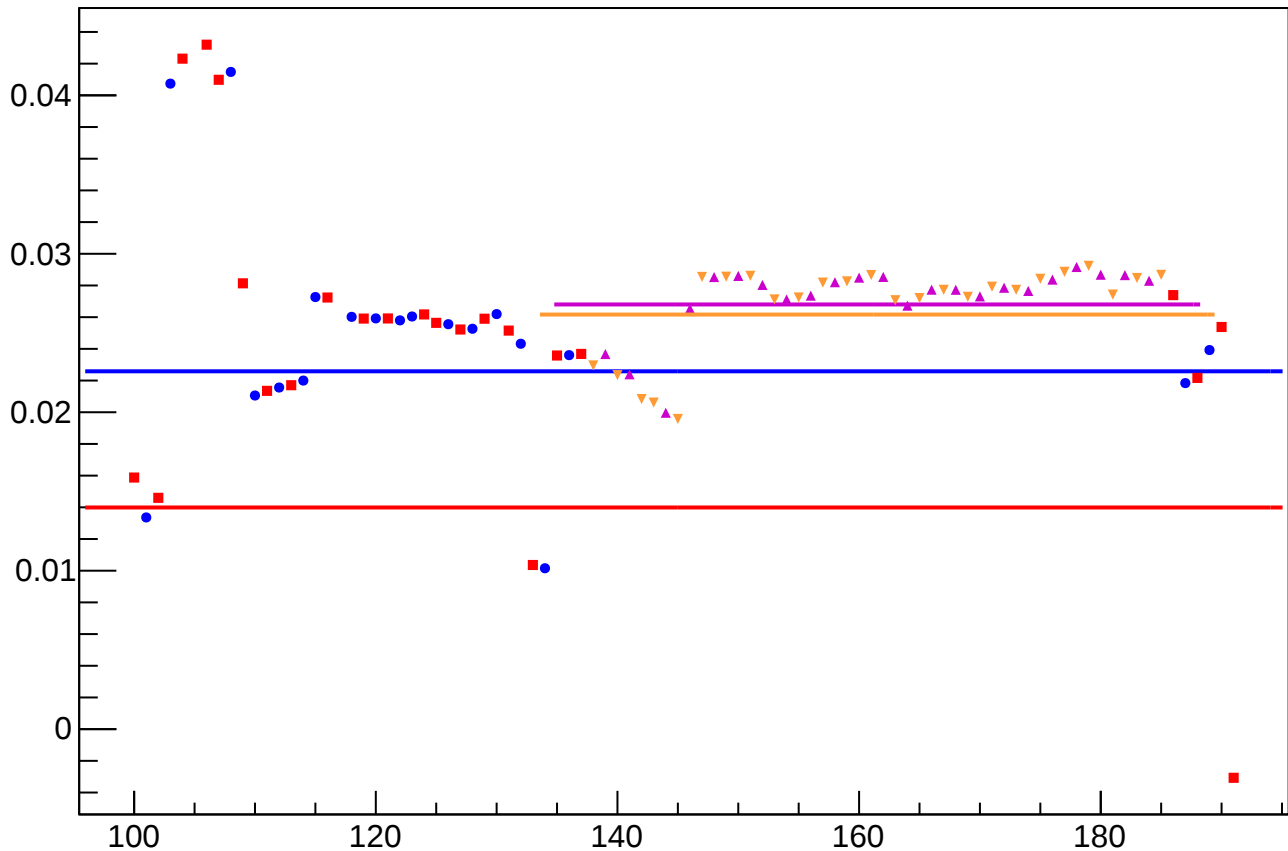
Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 1238591.7/43

All: 0.000+/-0.000 χ^2/NDF : 2520162.4/89

- sign 0.000+/-0.000 χ^2/NDF : 1273600.4/45

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: 0.014+/-0.000 χ^2/NDF : 30102740684.4/22

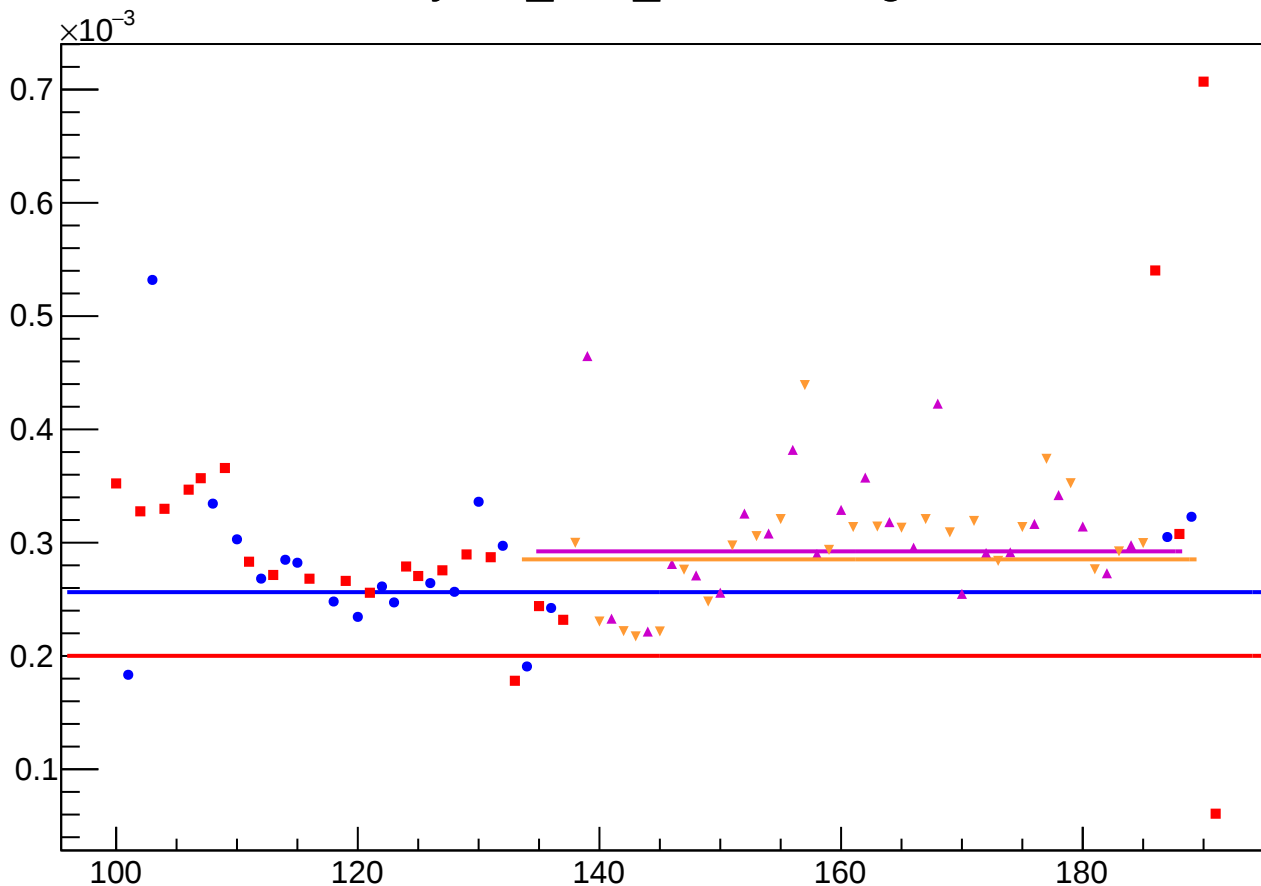
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7124903399.8/43

All: 0.023+/-0.000 χ^2/NDF : 54516138868.2/8

- sign 0.021+/-0.000 χ^2/NDF : 44964371290.1/45

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: 4138288.4/22

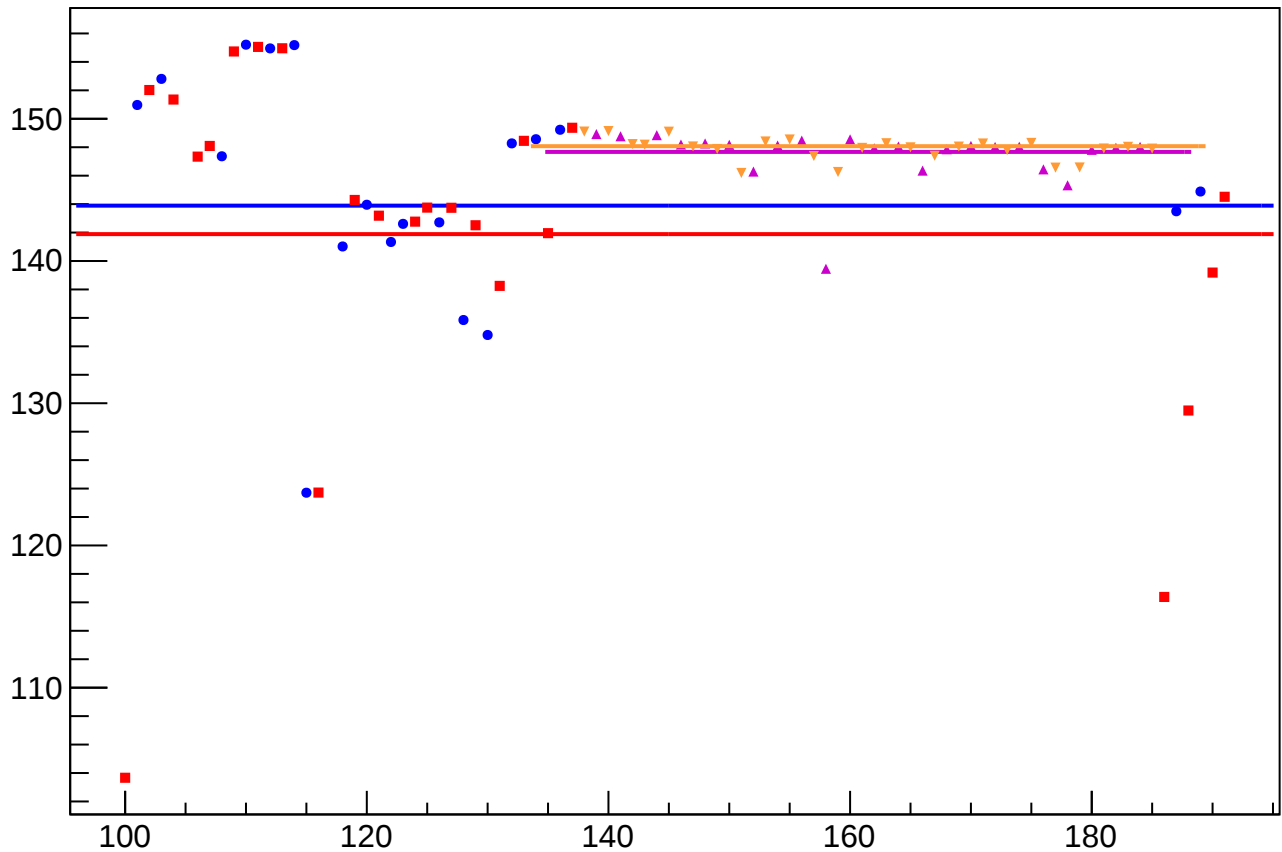
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1584521.2/43

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8216513.3/89

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6438711.3/45

yield_bcm_an_ds_mean vs Slug



Right In: 143.893+/-0.000 χ^2/NDF : 3453719737.5/18

Left Out: 148.073+/-0.000 χ^2/NDF : 65614067.4/24

Right Out: 141.890+/-0.000 χ^2/NDF : 7223609825.6/22

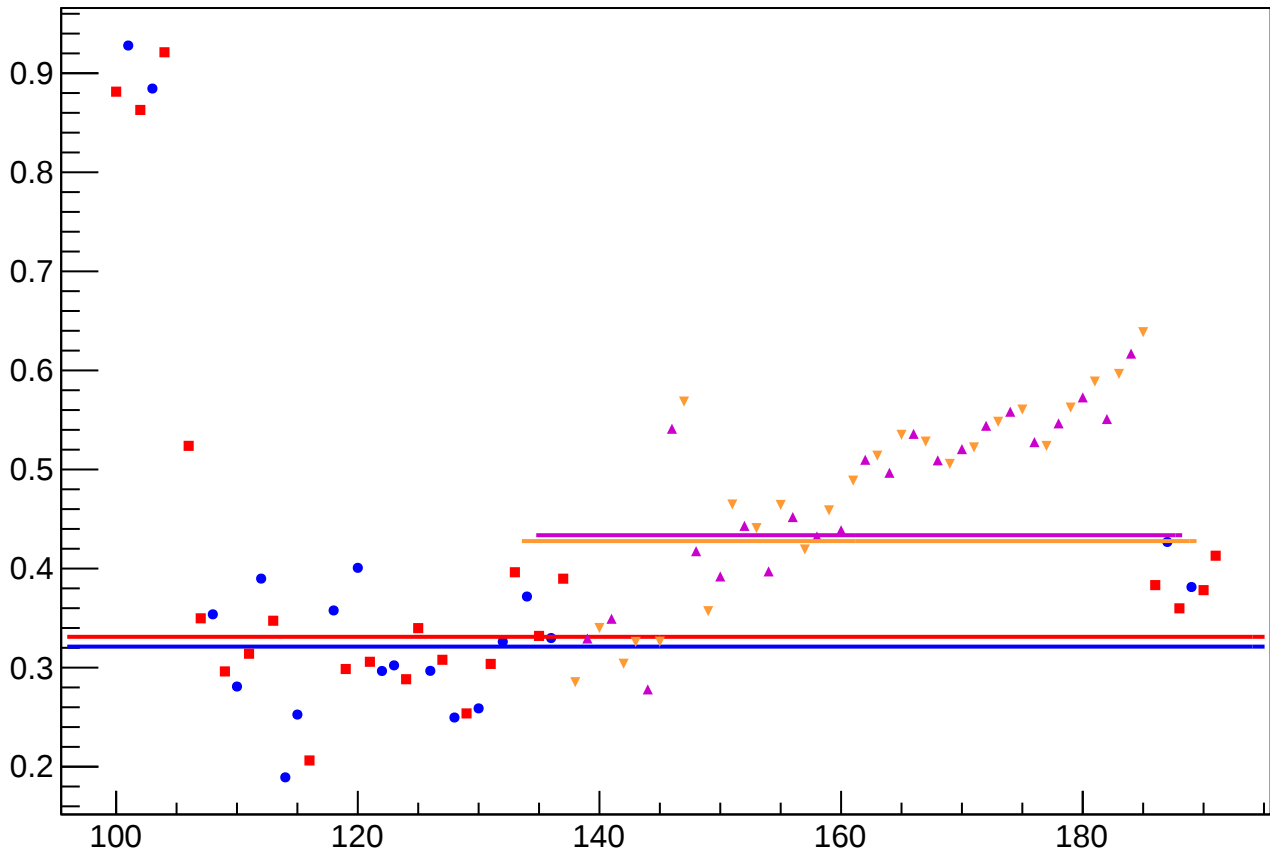
Left In: 147.670+/-0.000 χ^2/NDF : 345222604.4/22

+ sign 146.454+/-0.000 χ^2/NDF : 4147419949.0/43

All: 145.767+/-0.000 χ^2/NDF : 13142557677.

- sign 145.099+/-0.000 χ^2/NDF : 8854104406.8/45

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: 0.331 ± 0.000 χ^2/NDF : 1281262.9/22

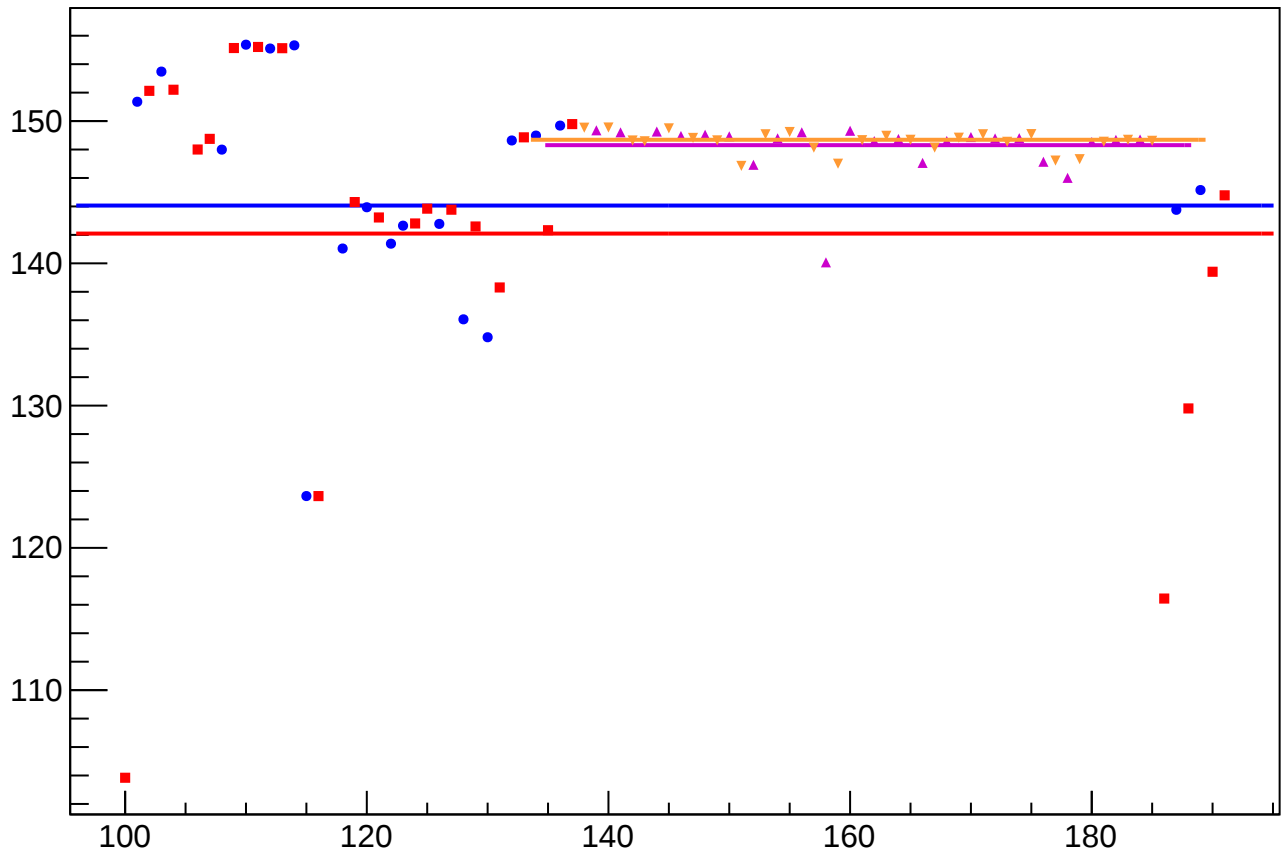
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.386 ± 0.000 χ^2/NDF : 4011882.6/43

All: 0.387 ± 0.000 χ^2/NDF : 7599279.5/89

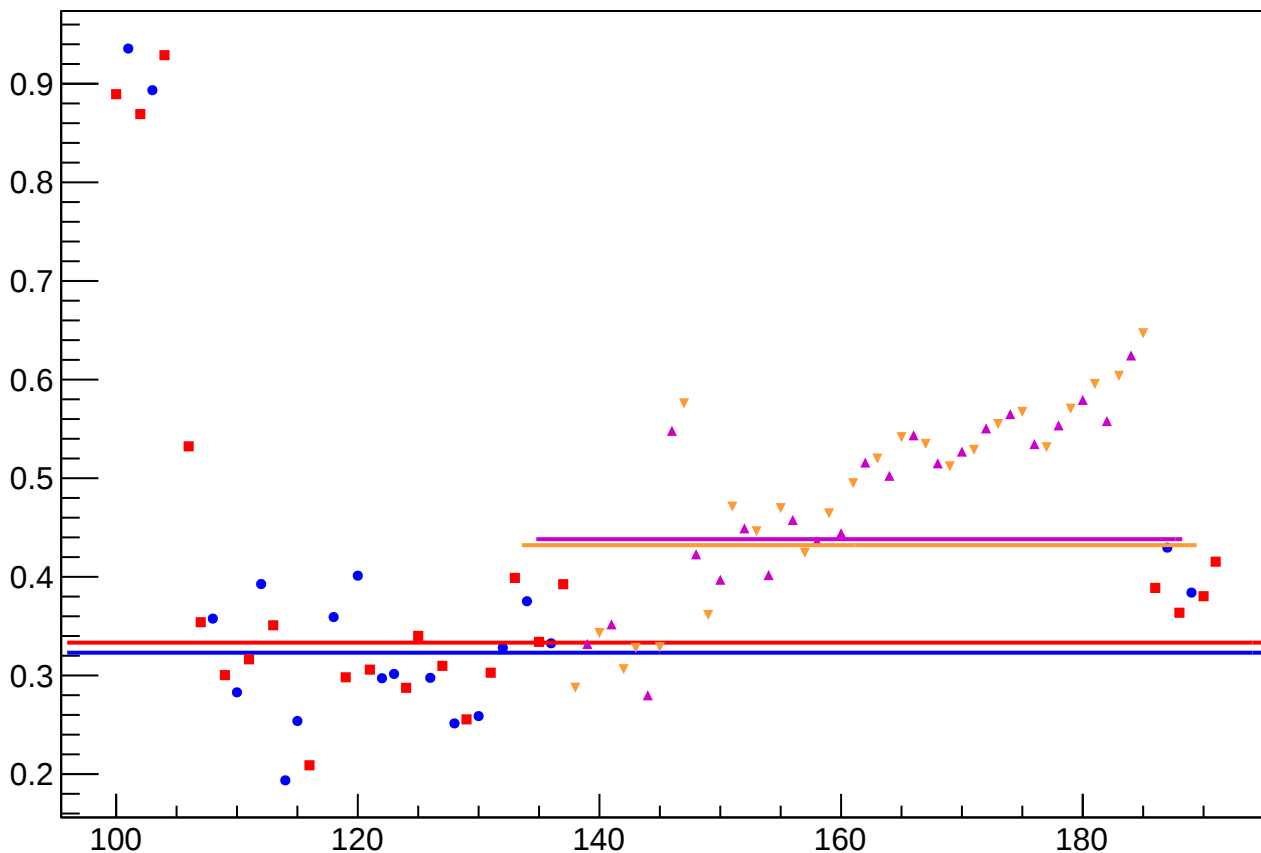
- sign 0.388 ± 0.000 χ^2/NDF : 3587022.1/45

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: 146.198 $\pm$ 0.000	χ^2 /NDF: 13407395533.
Right Out: 142.092 $\pm$ 0.000	χ^2 /NDF: 7166800193.0/22	- sign 145.529 $\pm$ 0.000	χ^2 /NDF: 8961220405.4/45
Left In: 148.307 $\pm$ 0.000	χ^2 /NDF: 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.323 ± 0.000 χ^2/NDF : 1301526.0/18

Left Out: 0.432 ± 0.000 χ^2/NDF : 1929031.5/24

Right Out: 0.333 ± 0.000 χ^2/NDF : 1286098.3/22

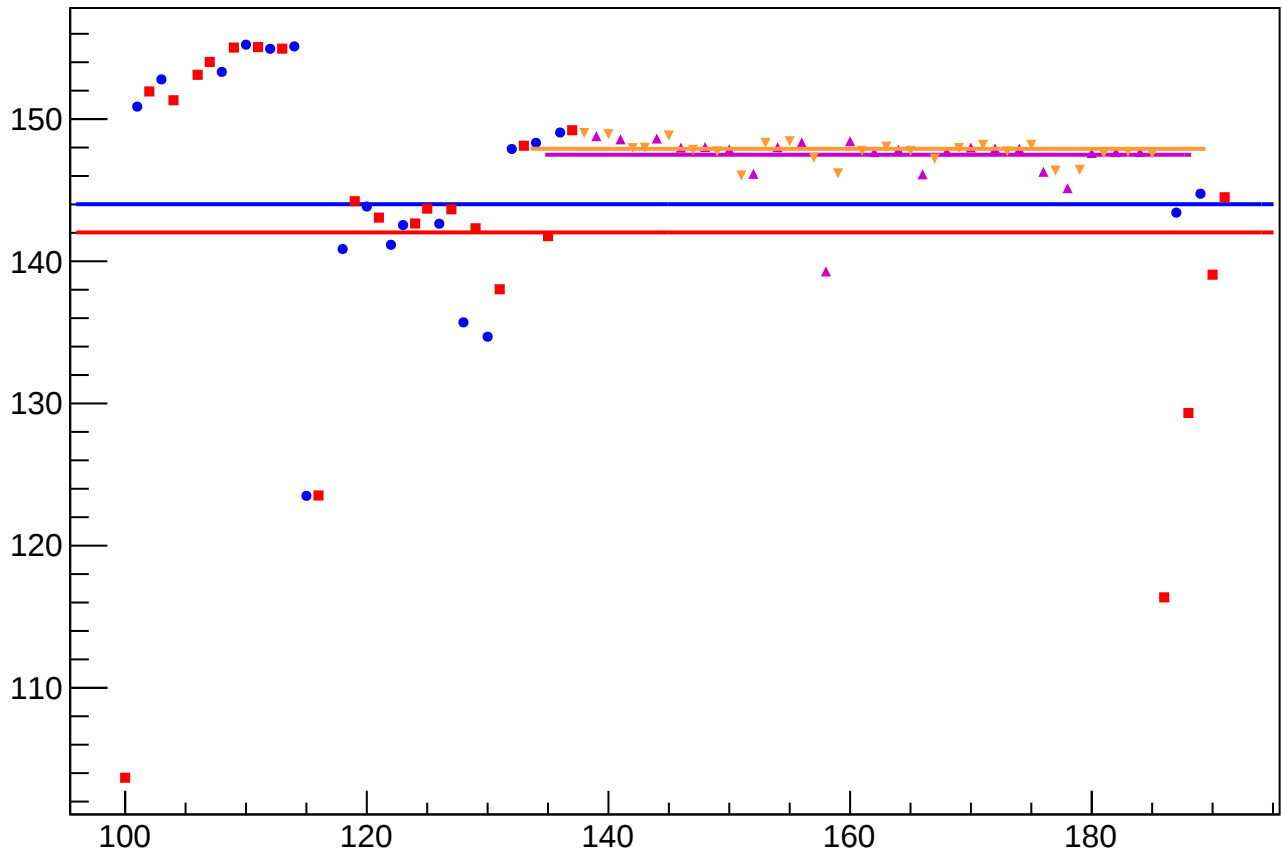
Left In: 0.438 ± 0.000 χ^2/NDF : 1521893.6/22

+ sign 0.390 ± 0.000 χ^2/NDF : 4072319.1/43

All: 0.390 ± 0.000 χ^2/NDF : 7713227.4/89

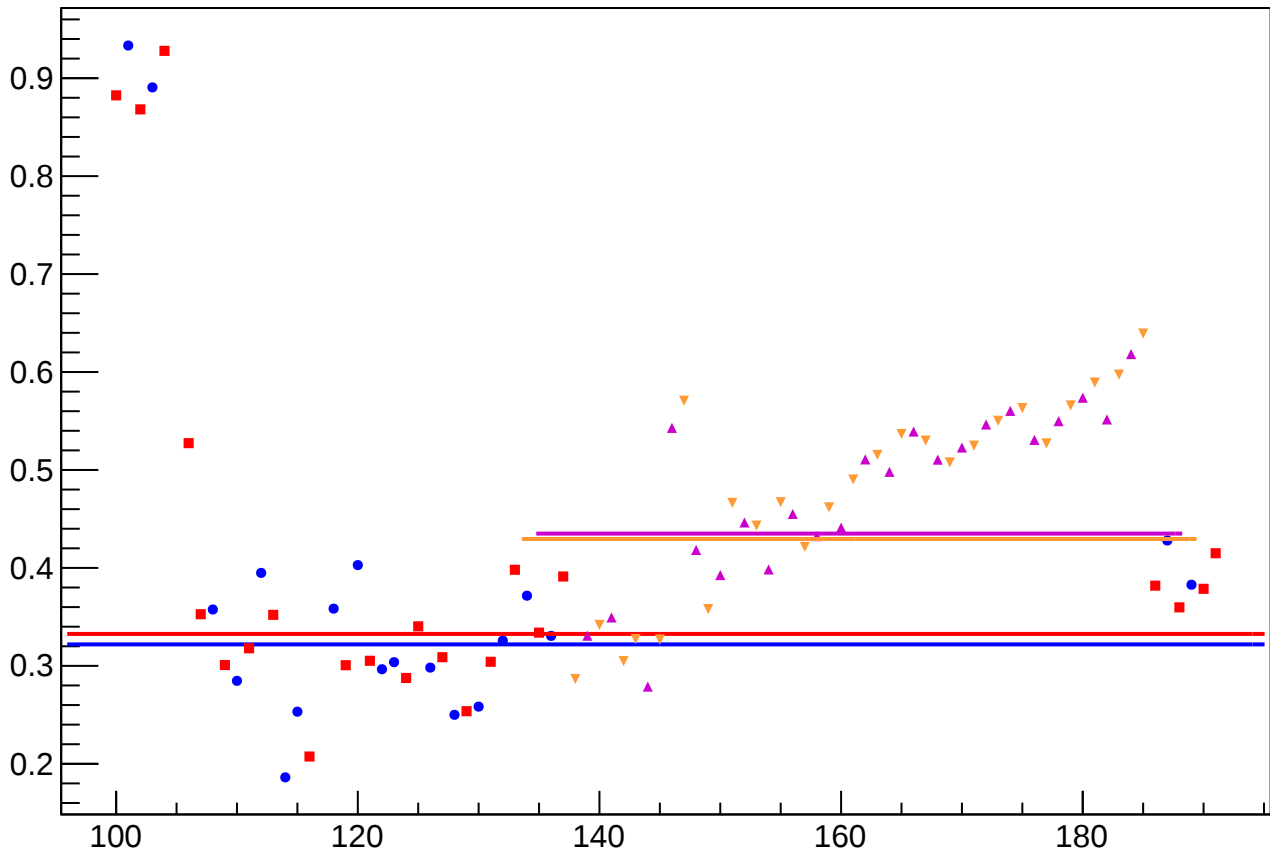
- sign 0.391 ± 0.000 χ^2/NDF : 3640480.8/45

yield_bcm_an_us_mean vs Slug



Right In: 144.014 $\pm$ 0.000	χ^2 /NDF: 3666262735.8/18	+ sign 146.399 $\pm$ 0.000	χ^2 /NDF: 4272831217.4/43
Left Out: 147.911 $\pm$ 0.000	χ^2 /NDF: 64412407.9/24	All: 145.723 $\pm$ 0.000	χ^2 /NDF: 13511999981.0
Right Out: 142.029 $\pm$ 0.000	χ^2 /NDF: 7619657229.2/22	- sign 145.065 $\pm$ 0.000	χ^2 /NDF: 9103468092.9/45
Left In: 147.493 $\pm$ 0.000	χ^2 /NDF: 343978473.2/22		

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: 0.333 ± 0.000 χ^2/NDF : 1282304.6/22

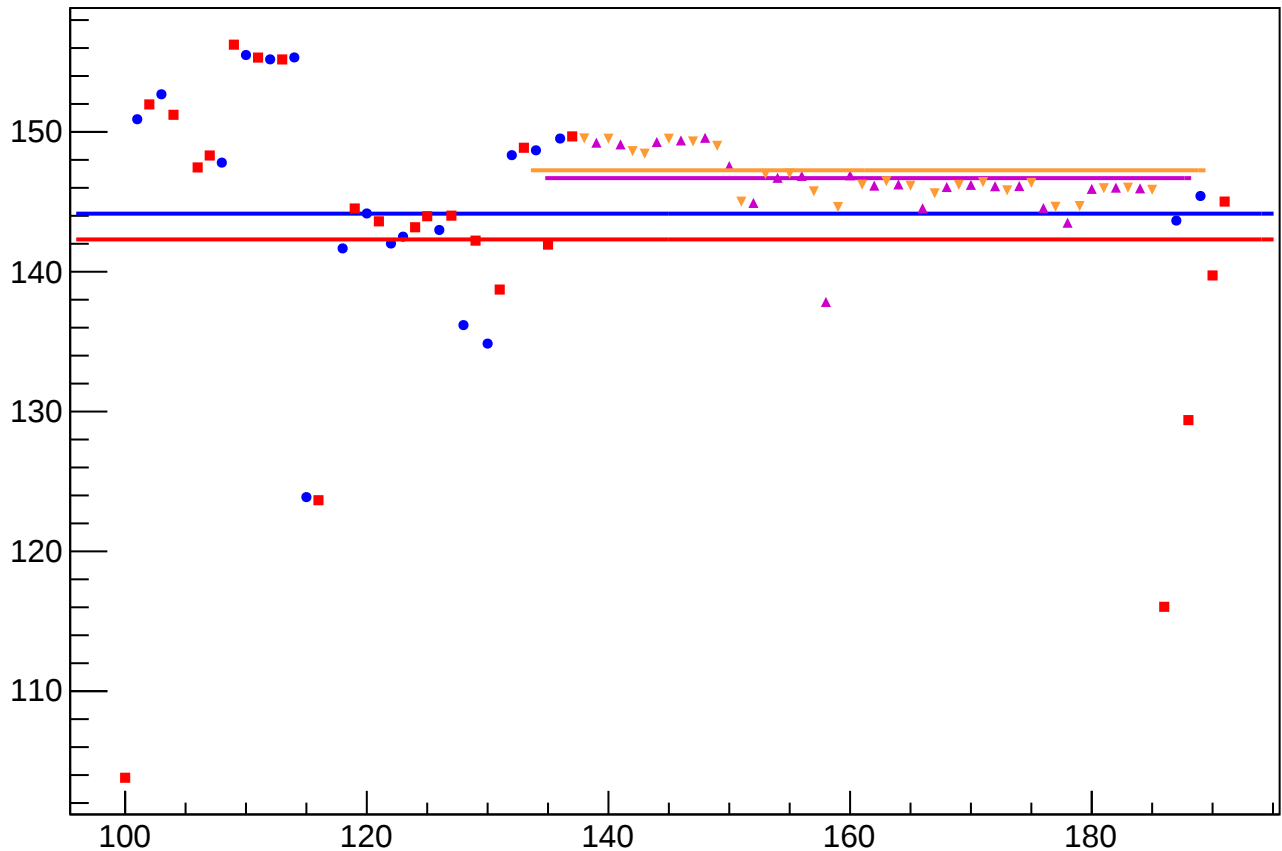
Left In: 0.435 ± 0.000 χ^2/NDF : 1502712.5/22

+ sign 0.388 ± 0.000 χ^2/NDF : 4036537.9/43

All: 0.389 ± 0.000 χ^2/NDF : 7623085.3/89

- sign 0.390 ± 0.000 χ^2/NDF : 3586081.1/45

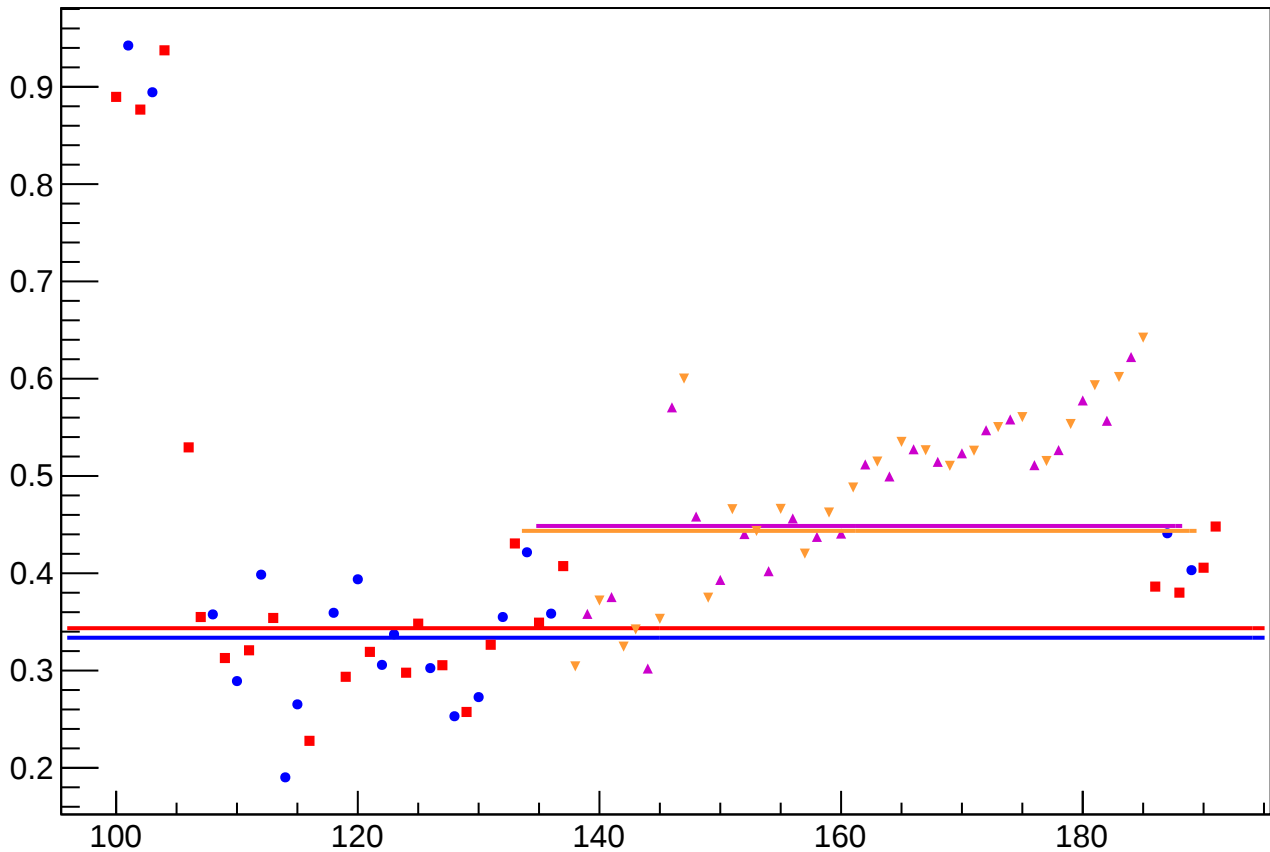
yield_bcm_dg_us_mean vs Slug



Right In: 144.154 ± 0.000 χ^2/NDF : 3167418526.7/18
 Left Out: 147.255 ± 0.000 χ^2/NDF : 262138049.8/24
 Right Out: 142.311 ± 0.000 χ^2/NDF : 6921983133.6/22
 Left In: 146.695 ± 0.000 χ^2/NDF : 557896803.1/22

+ sign 146.067 ± 0.000 χ^2/NDF : 3750253231.7/43
 All: 145.406 ± 0.000 χ^2/NDF : 12042320432.
 - sign 144.765 ± 0.000 χ^2/NDF : 8170515331.9/45

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: 0.344 ± 0.000 χ^2/NDF : 1260688.4/22

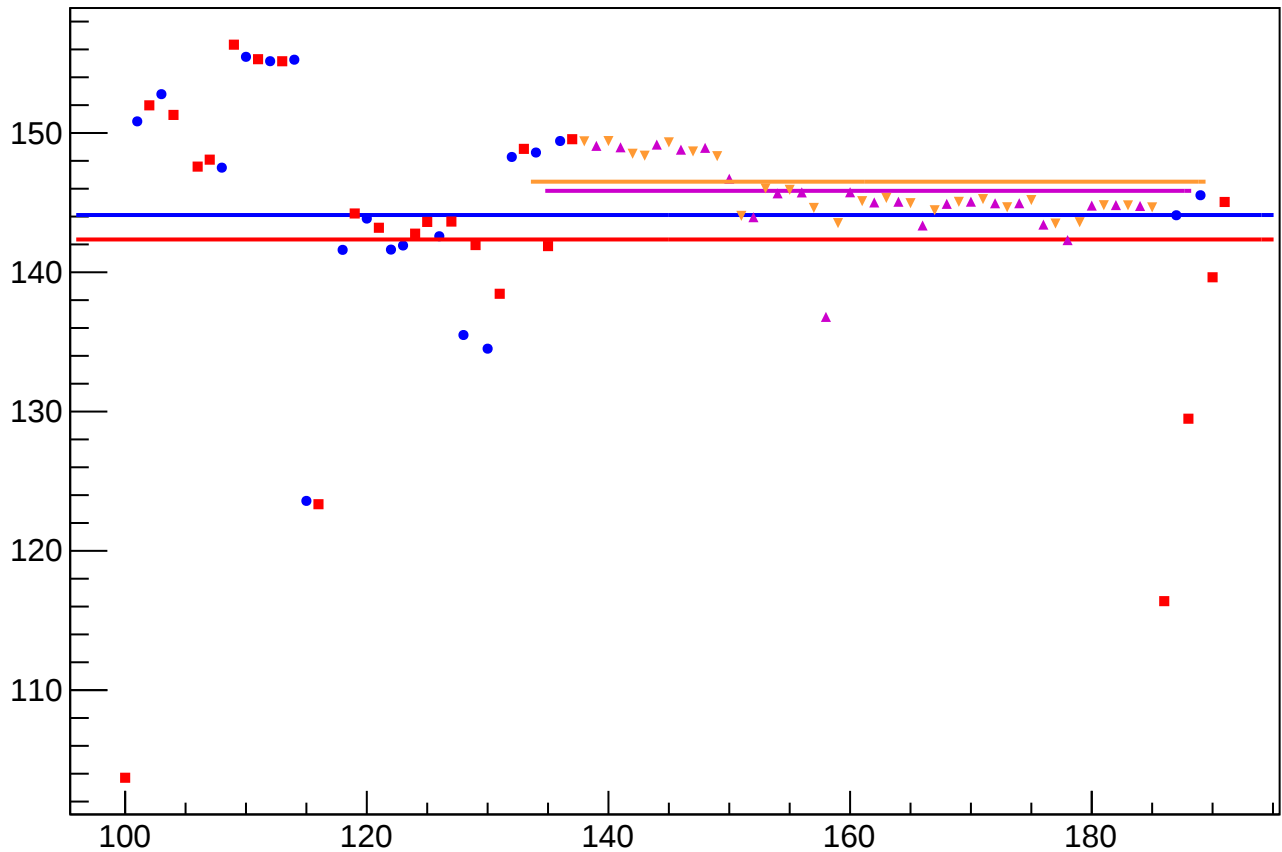
Left In: 0.449 ± 0.000 χ^2/NDF : 1132620.8/22

+ sign 0.402 ± 0.000 χ^2/NDF : 3589933.3/43

All: 0.402 ± 0.000 χ^2/NDF : 6776709.0/89

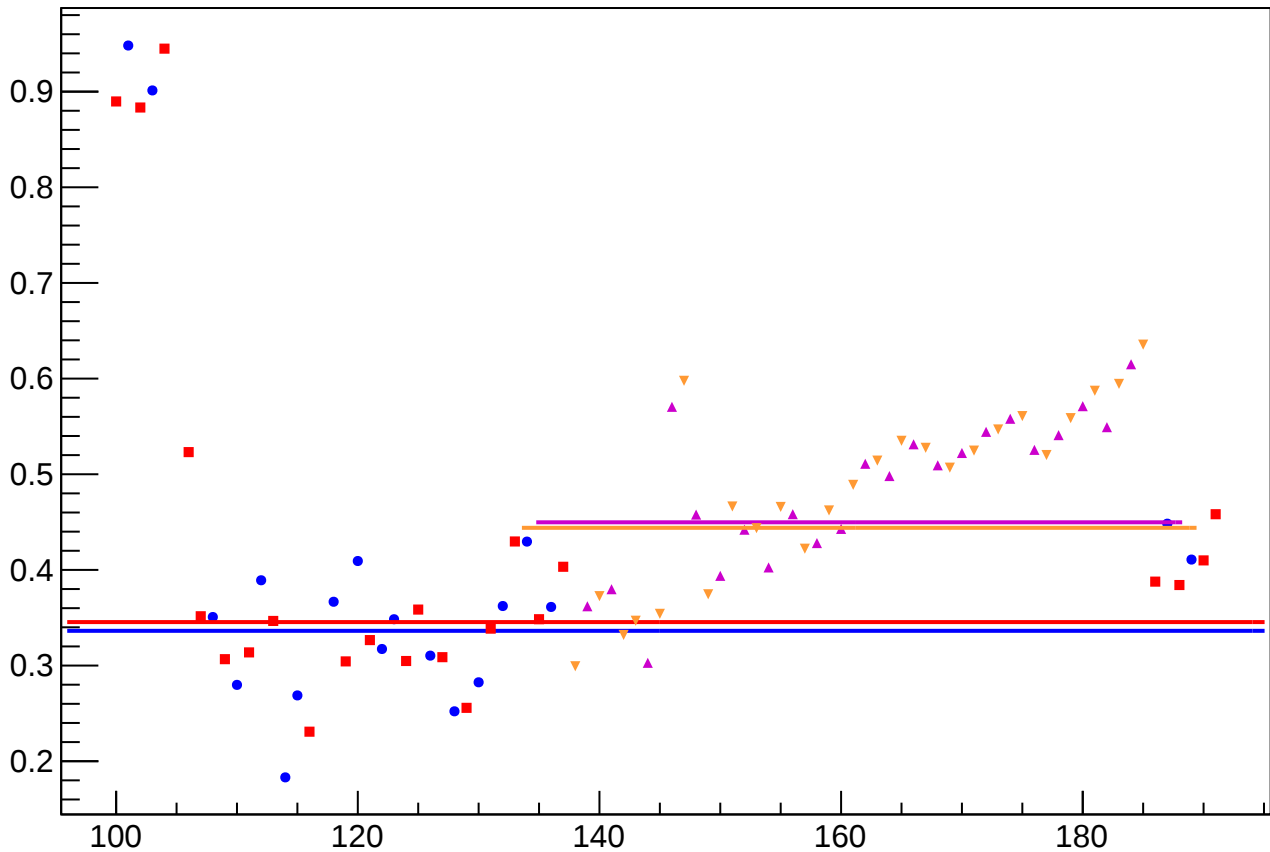
- sign 0.402 ± 0.000 χ^2/NDF : 3186667.3/45

yield_bcm_dg_ds_mean vs Slug



Right In: 144.111+/-0.000	χ^2/NDF : 3287746289.7/18	+ sign 145.598+/-0.000	χ^2/NDF : 3878144088.8/43
Left Out: 146.505+/-0.000	χ^2/NDF : 401688176.3/24	All: 144.947+/-0.000	χ^2/NDF : 12027245000.
Right Out: 142.355+/-0.000	χ^2/NDF : 6904108598.4/22	- sign 144.317+/-0.000	χ^2/NDF : 8032467469.5/45
Left In: 145.847+/-0.000	χ^2/NDF : 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.336 ± 0.000 $\chi^2/\text{NDF}: 1320914.7/18$

Left Out: 0.444 ± 0.000 $\chi^2/\text{NDF}: 1463293.5/24$

Right Out: 0.345 ± 0.000 $\chi^2/\text{NDF}: 1254773.2/22$

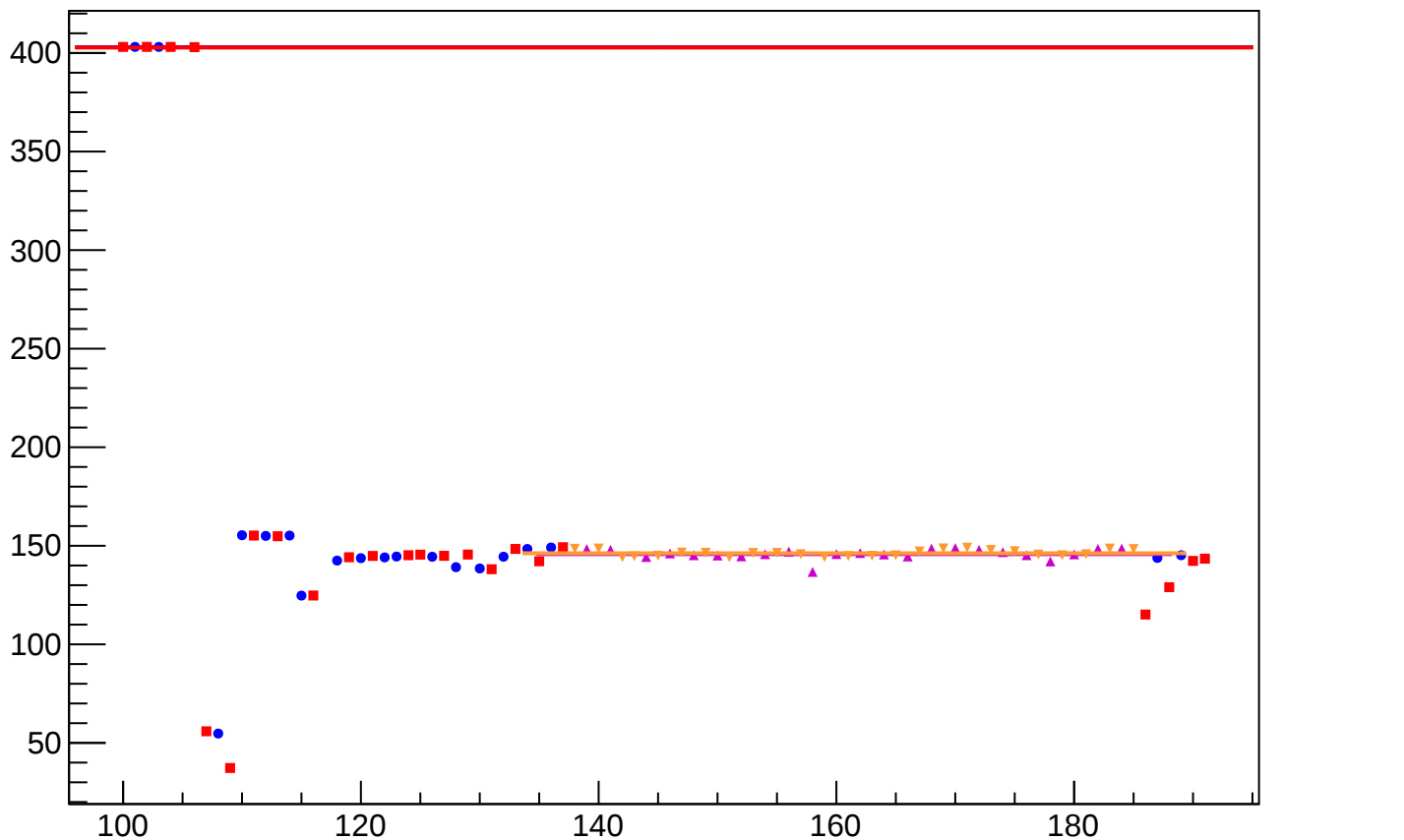
Left In: 0.450 ± 0.000 $\chi^2/\text{NDF}: 1105405.0/22$

+ sign 0.403 ± 0.000 $\chi^2/\text{NDF}: 3547999.4/43$

All: 0.404 ± 0.000 $\chi^2/\text{NDF}: 6682301.8/89$

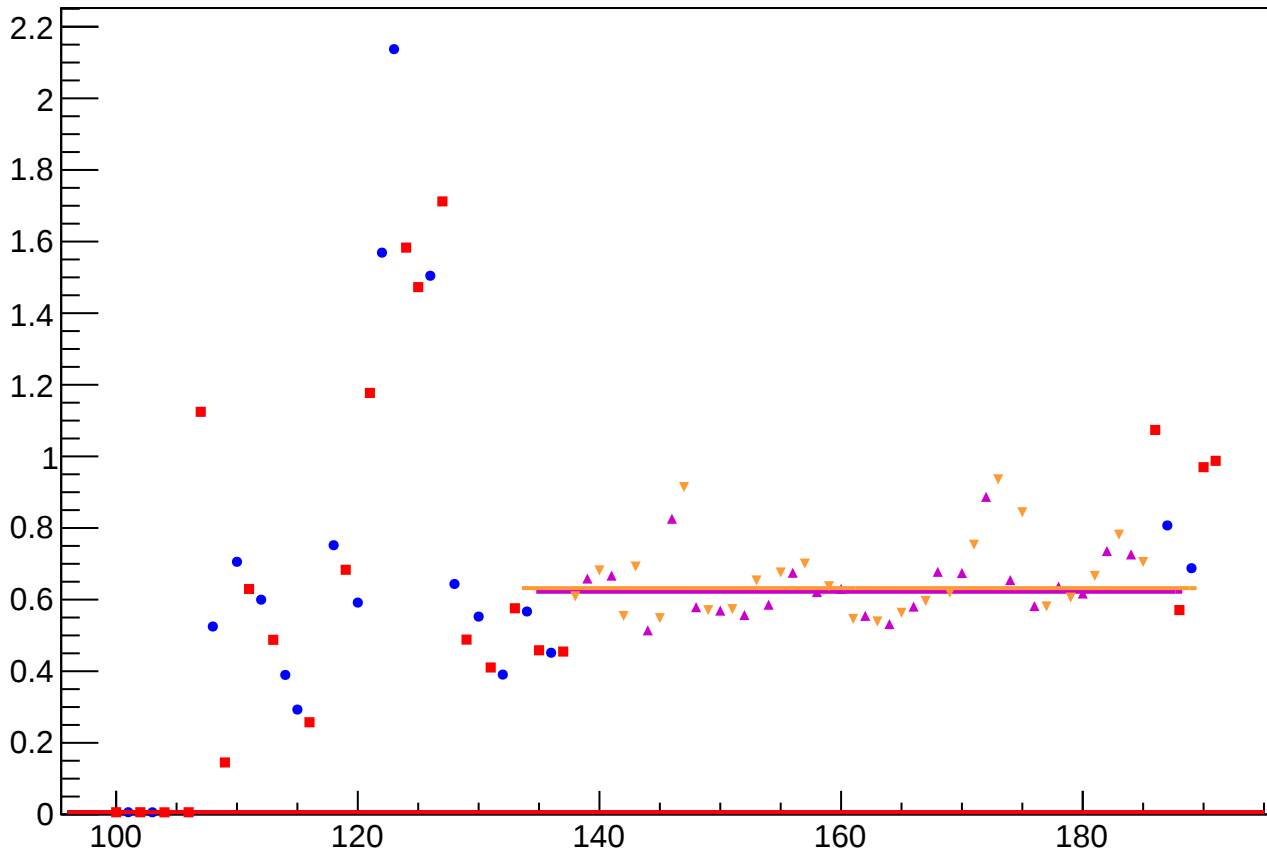
- sign 0.404 ± 0.000 $\chi^2/\text{NDF}: 3134195.4/45$

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: 402.775+/-0.000 χ^2/NDF : 3329407915465.6/22
 Left In: 145.773+/-0.000 χ^2/NDF : 207332354.9/22
 All: 402.581+/-0.000 χ^2/NDF : 919952384960.1
 + sign 402.654+/-0.000 χ^2/NDF : 3522788501110.1
 - sign 402.516+/-0.000 χ^2/NDF : 5676421186730.5

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 : 12105183.1/22

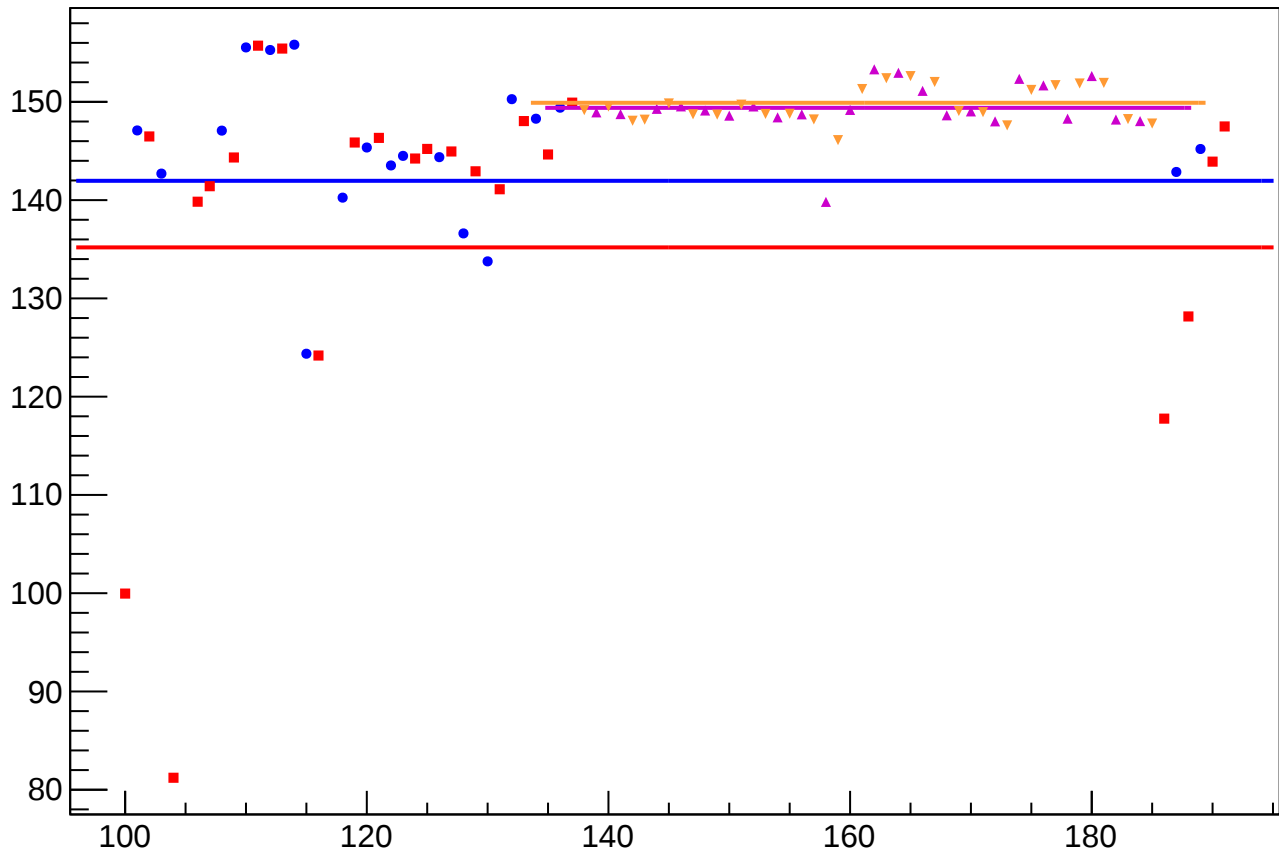
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 38676903.9/43

All: 0.007+/-0.000 χ^2/NDF : 78112350.8/89

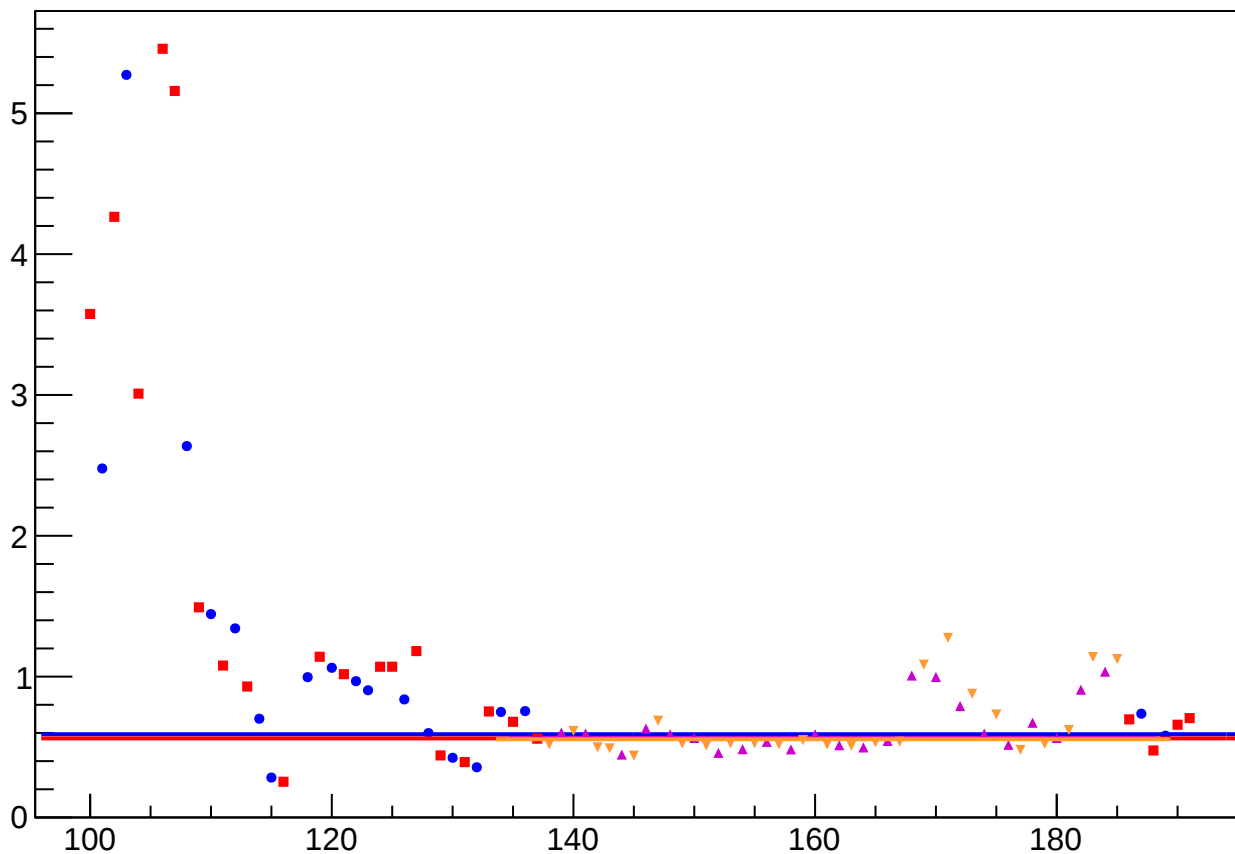
- sign 0.007+/-0.000 χ^2/NDF : 39435265.1/45

yield_cav4cQ_mean vs Slug



Right In: 141.965+/-0.000	χ^2/NDF : 988976903.3/18	+ sign 148.462+/-0.000	χ^2/NDF : 1736263863.0/43
Left Out: 149.906+/-0.000	χ^2/NDF : 163261802.4/24	All: 147.186+/-0.000	χ^2/NDF : 6548449218.7
Right Out: 135.190+/-0.000	χ^2/NDF : 1831322279.0/22	- sign 145.925+/-0.000	χ^2/NDF : 4610776421.1/45
Left In: 149.391+/-0.000	χ^2/NDF : 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.591 $\pm$ 0.000 χ^2 /NDF: 3482673.6/18

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773380.1/24

Right Out: 0.561 $\pm$ 0.000 χ^2 /NDF: 4745533.7/22

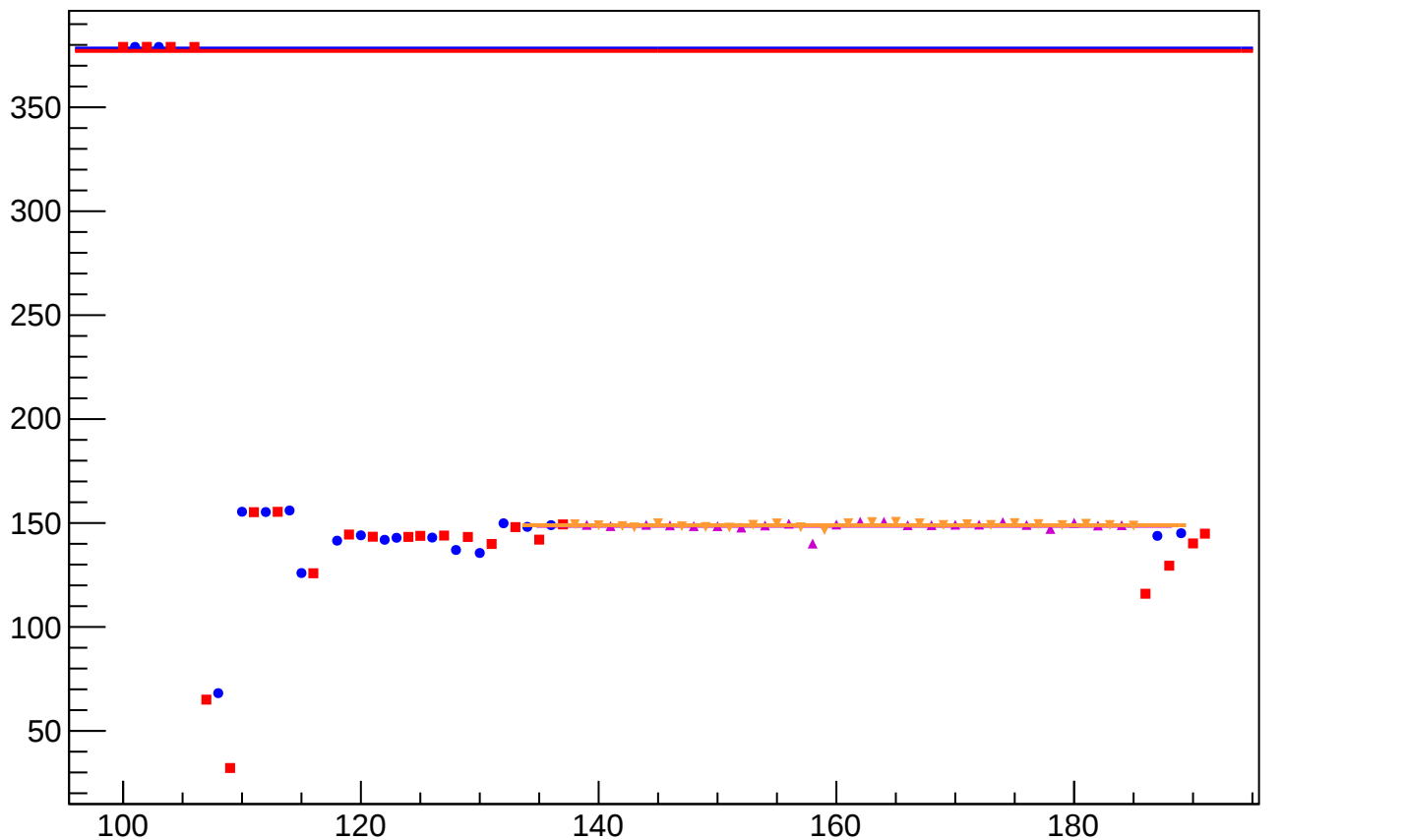
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1311075.2/22

+ sign 0.562 $\pm$ 0.000 χ^2 /NDF: 5279572.3/43

All: 0.562 $\pm$ 0.000 χ^2 /NDF: 11336191.8/89

- sign 0.562 $\pm$ 0.000 χ^2 /NDF: 6056619.5/45

yield_cav4dQ_mean vs Slug



Right In: 378.246 $\pm$ 0.000 χ^2 /NDF: 2622470003955.9/18

Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24

Right Out: 377.133 $\pm$ 0.000 χ^2 /NDF: 8864079679982.8/22

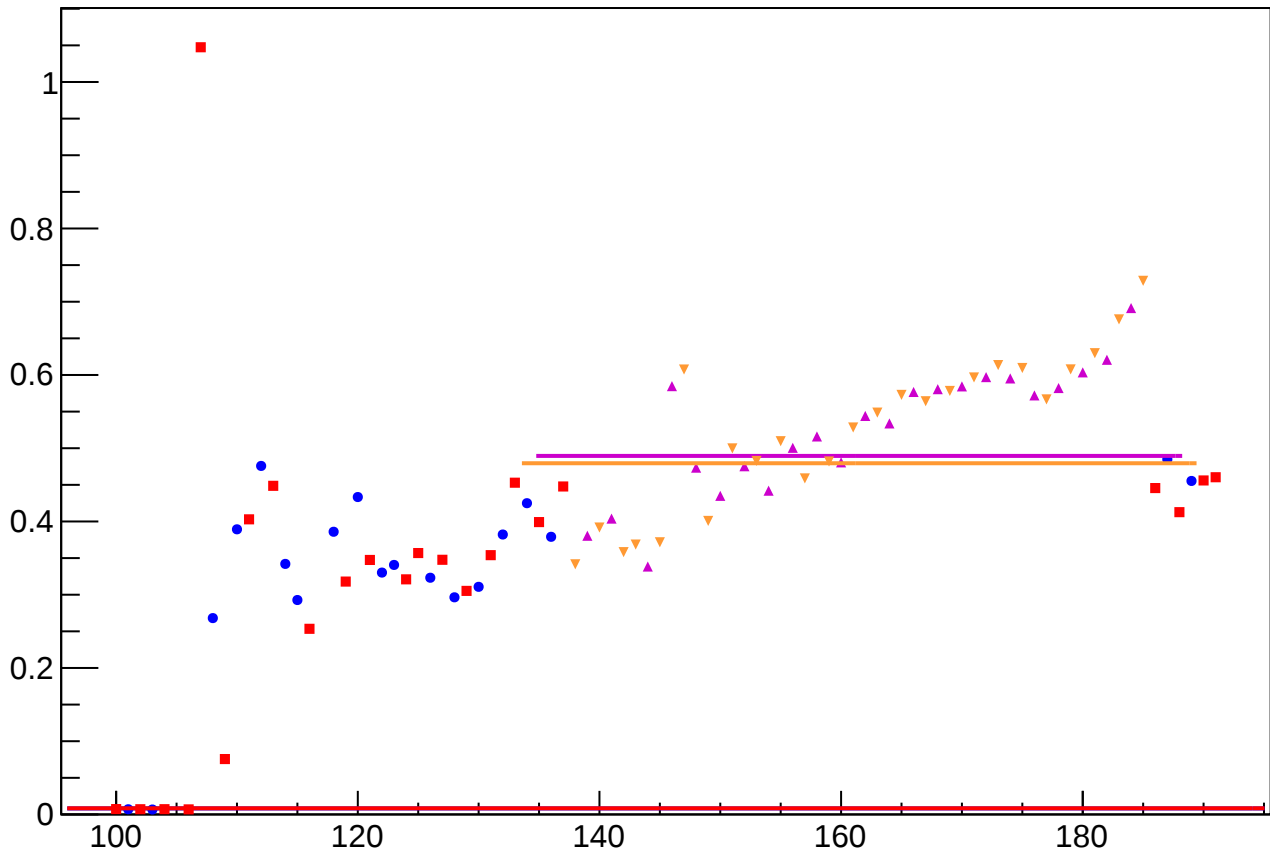
Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22

+ sign 376.964 $\pm$ 0.000 χ^2 /NDF: 6536543034524.6

All: 376.505 $\pm$ 0.000 χ^2 /NDF: 189862594504

- sign 376.102 $\pm$ 0.000 χ^2 /NDF: 12444413049881.9

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 10798817.2/18

Left Out: 0.479+/-0.000 χ^2/NDF :1518765.9/24

Right Out: 0.008+/-0.000 χ^2/NDF : 12907077.7/22

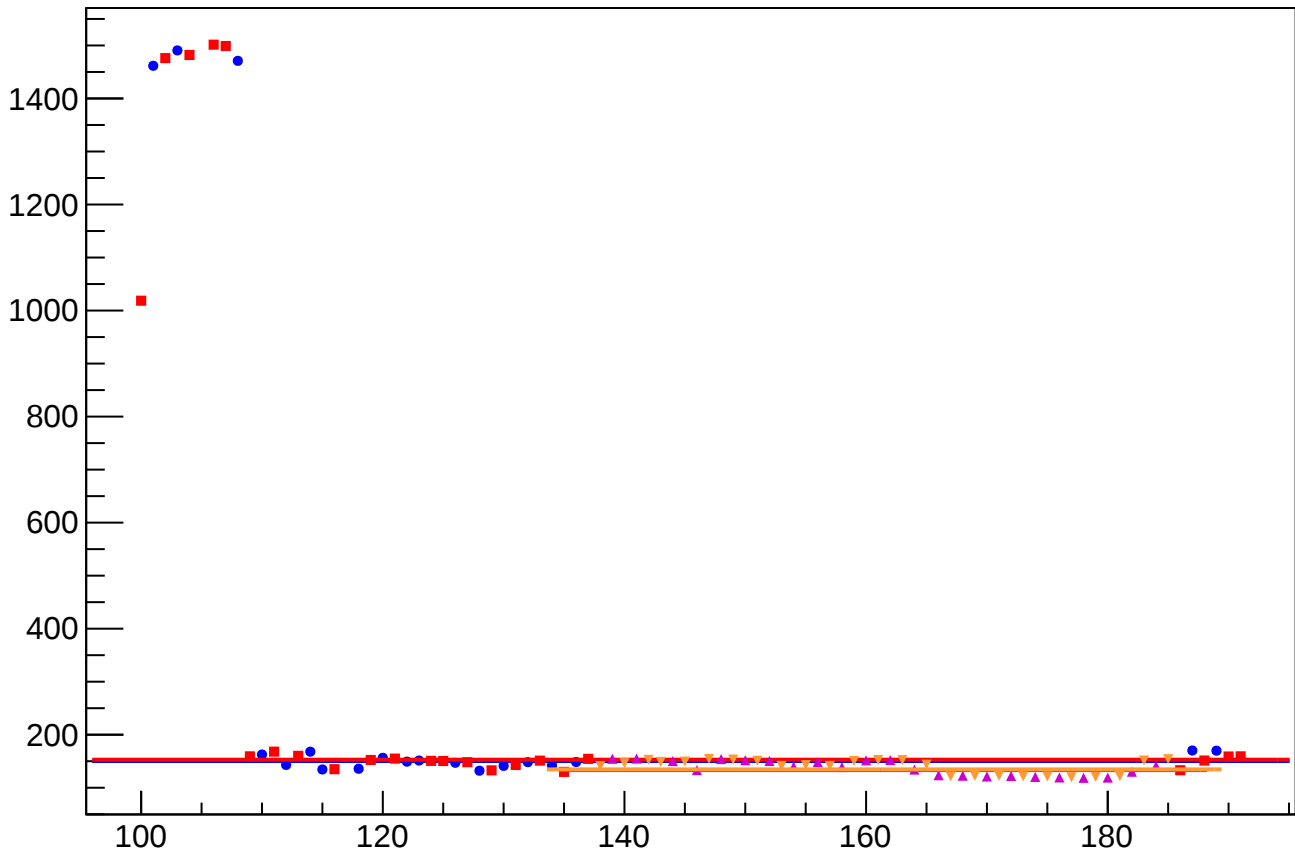
Left In: 0.490+/-0.000 χ^2/NDF :1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 45386833.1/43

All: 0.011+/-0.000 χ^2/NDF : 91141236.4/89

- sign 0.011+/-0.000 χ^2/NDF : 45753493.1/45

yield_bcm0l02_mean vs Slug



Right In: 150.387 $\pm$ 0.000 χ^2 /NDF: 24782910683.2/18

Left Out: 134.585 $\pm$ 0.000 χ^2 /NDF: 4387324151.1/24

Right Out: 152.850 $\pm$ 0.000 χ^2 /NDF: 34016135275.1/22

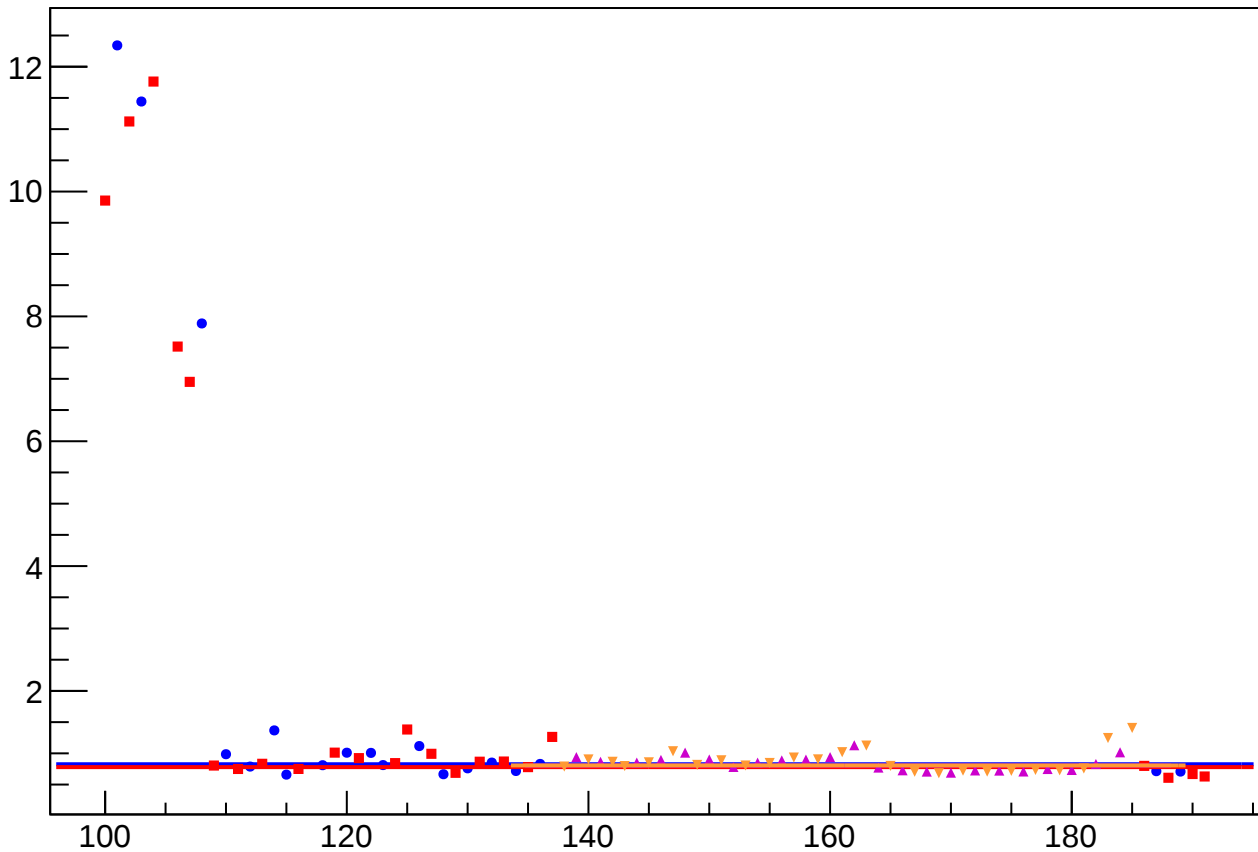
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 137.859 $\pm$ 0.000 χ^2 /NDF: 30398662735.3/43

All: 138.377 $\pm$ 0.000 χ^2 /NDF: 71272311185.0

- sign 138.860 $\pm$ 0.000 χ^2 /NDF: 40858148289.5/45

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: 0.779 ± 0.000 χ^2/NDF : 3093503.3/22

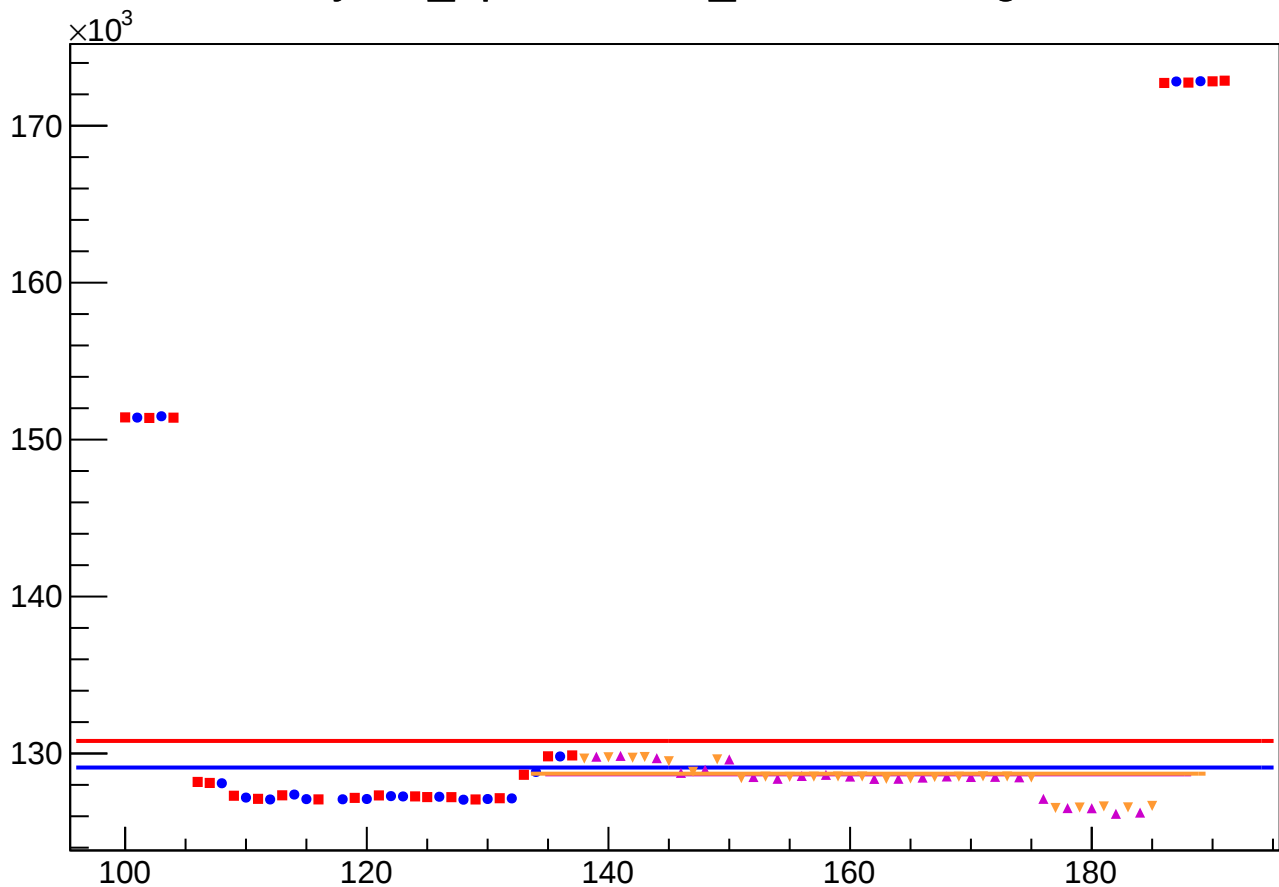
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.811 ± 0.000 χ^2/NDF : 3405867.5/43

All: 0.804 ± 0.000 χ^2/NDF : 6992764.8/89

- sign 0.797 ± 0.000 χ^2/NDF : 3581507.6/45

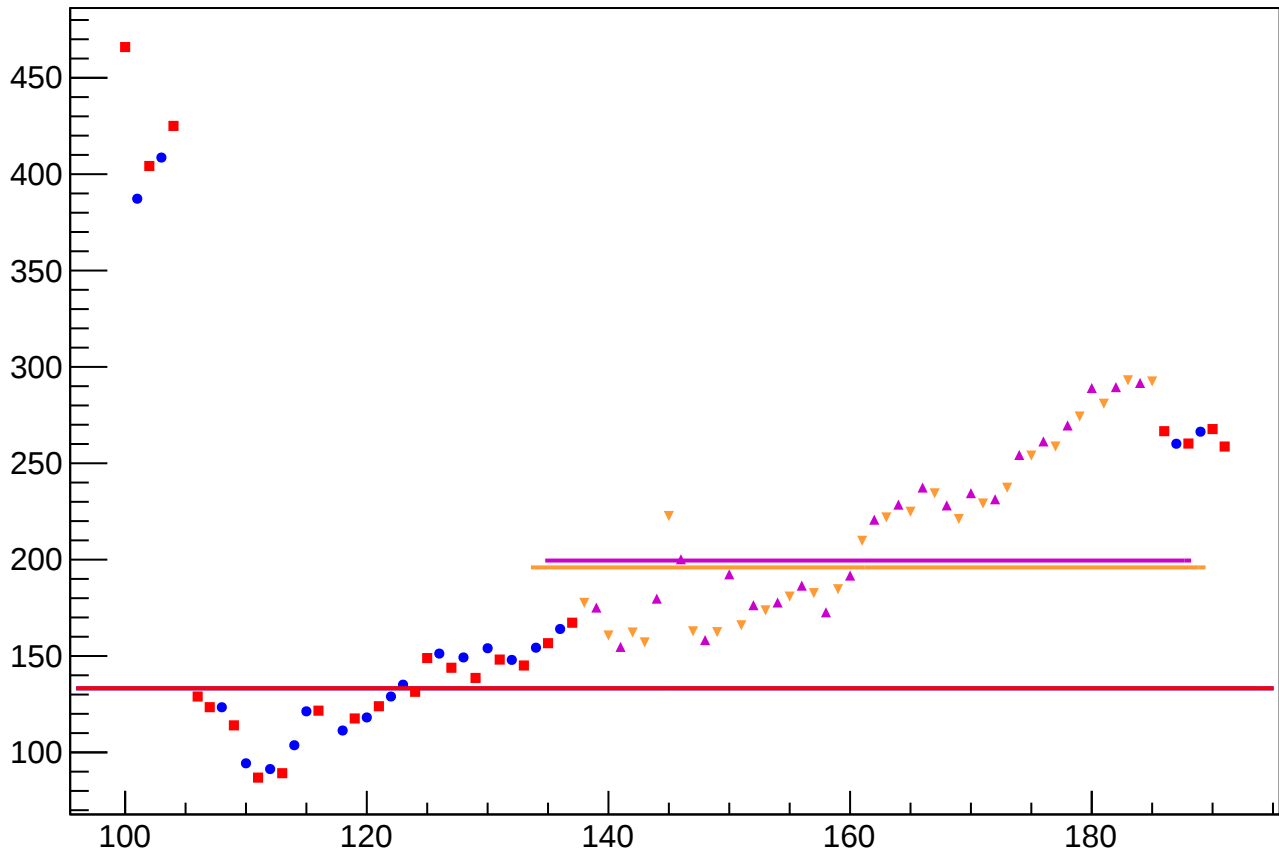
yield_bpm2i01WS_mean vs Slug



Right In: 129105.693 ± 0.054 $\chi^2/\text{NDF}: 20521182336.8/18$
 Left Out: 128713.791 ± 0.047 $\chi^2/\text{NDF}: 348293942.5/24$
 Right Out: 130799.540 ± 0.049 $\chi^2/\text{NDF}: 54502396235.0/22$
 Left In: 128670.094 ± 0.049 $\chi^2/\text{NDF}: 334875494.0/22$

+ sign 128881.387 ± 0.035 $\chi^2/\text{NDF}: 20899655484.1/18$
 - sign 129736.776 ± 0.034 $\chi^2/\text{NDF}: 55789766172.1/18$
 All: 129318.824 ± 0.025 $\chi^2/\text{NDF}: 769898080.0/38$

yield_bpm2i01WS_rms vs Slug



Right In: 133.203 $\pm$ 0.038 χ^2 /NDF: 1777332.4/18

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 133.269 $\pm$ 0.034 χ^2 /NDF: 2490045.2/22

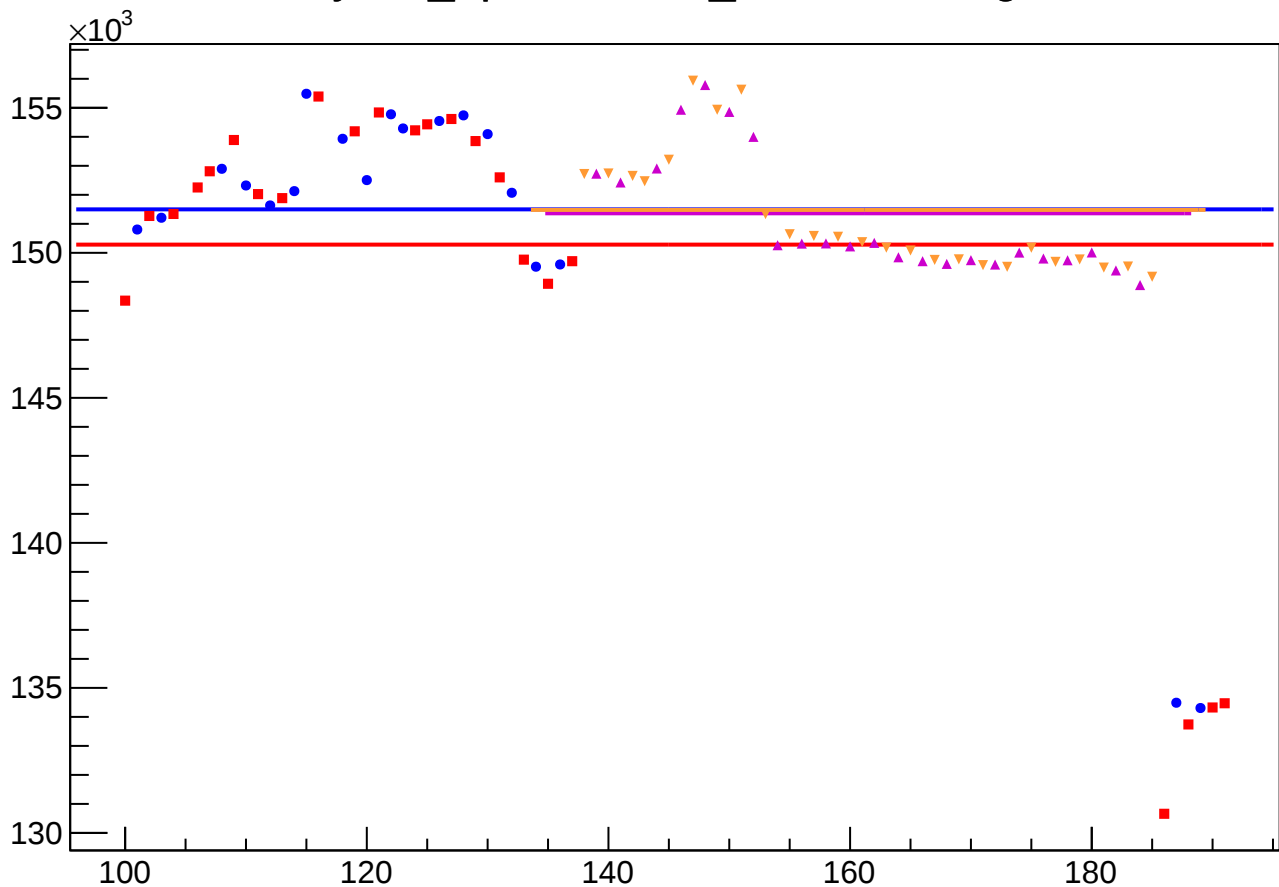
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 169.124 $\pm$ 0.025 χ^2 /NDF: 4641397.7/43

All: 167.700 $\pm$ 0.017 χ^2 /NDF: 10157712.1/89

- sign 166.339 $\pm$ 0.024 χ^2 /NDF: 5509945.2/45

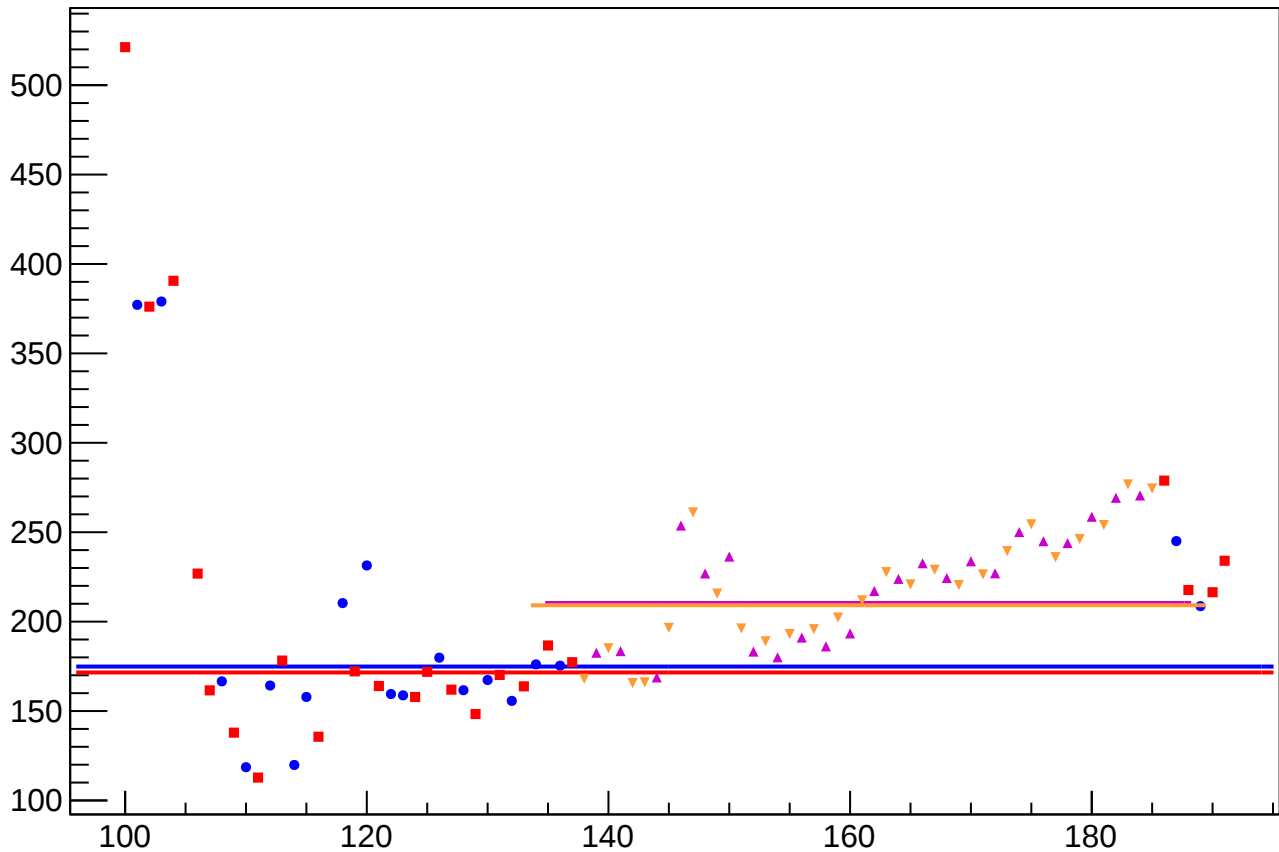
yield_bpm0i07WS_mean vs Slug



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: 150283.074 $\pm$ 0.062 χ^2 /NDF: 12187643356.8/22
 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: 151196.587 $\pm$ 0.028 χ^2 /NDF: 198541299
 - sign 150921.441 $\pm$ 0.039 χ^2 /NDF: 13795840381.1

yield_bpm0i07WS_rms vs Slug



Right In: 174.881 ± 0.050 χ^2/NDF : 974519.3/18

Left Out: 209.156 ± 0.035 χ^2/NDF : 710094.9/24

Right Out: 171.574 ± 0.044 χ^2/NDF : 1322299.1/22

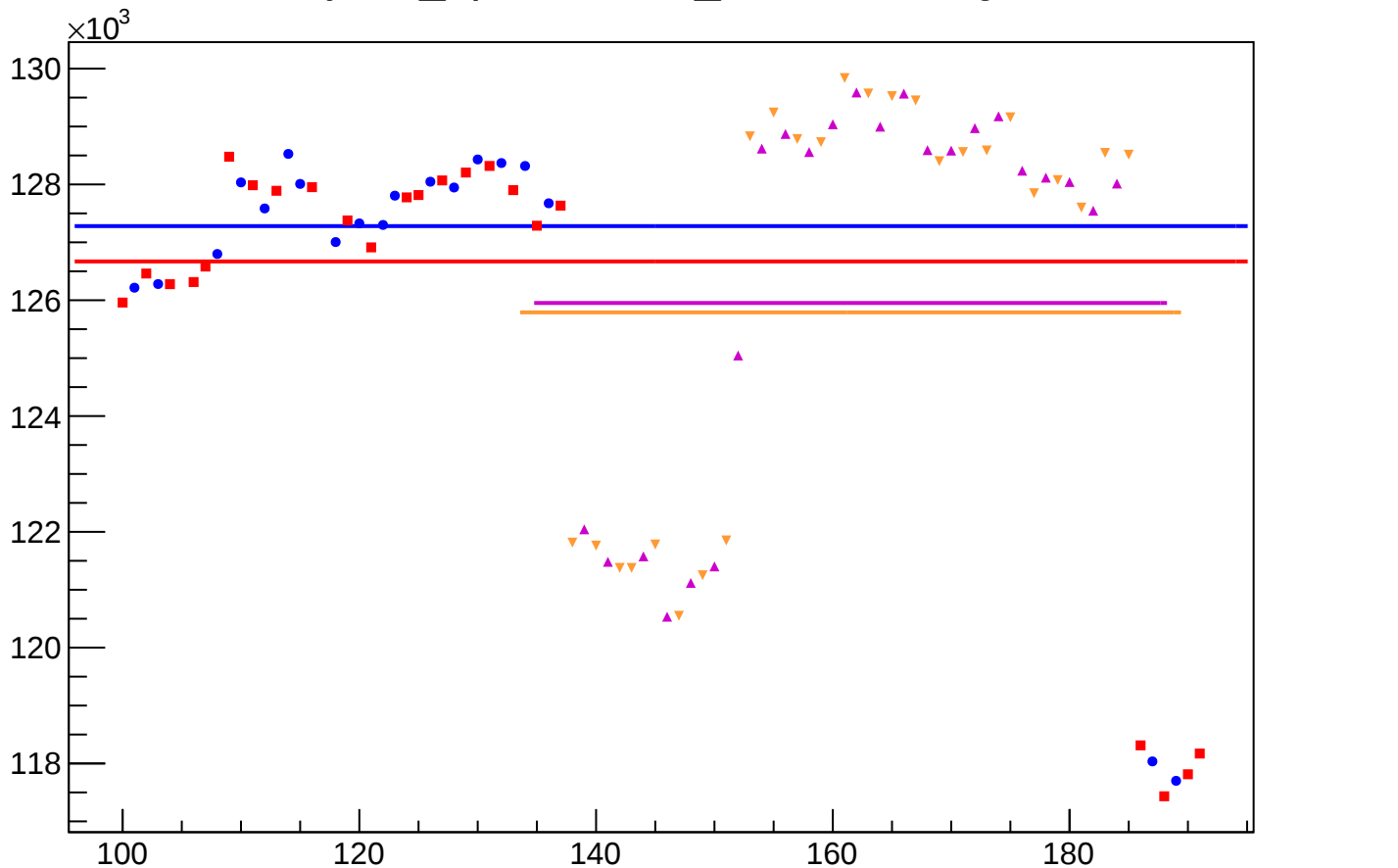
Left In: 210.431 ± 0.036 χ^2/NDF : 684015.0/22

+ sign 197.772 ± 0.029 χ^2/NDF : 2003467.0/43

All: 196.121 ± 0.020 χ^2/NDF : 4486492.3/89

- sign 194.555 ± 0.028 χ^2/NDF : 2476530.6/45

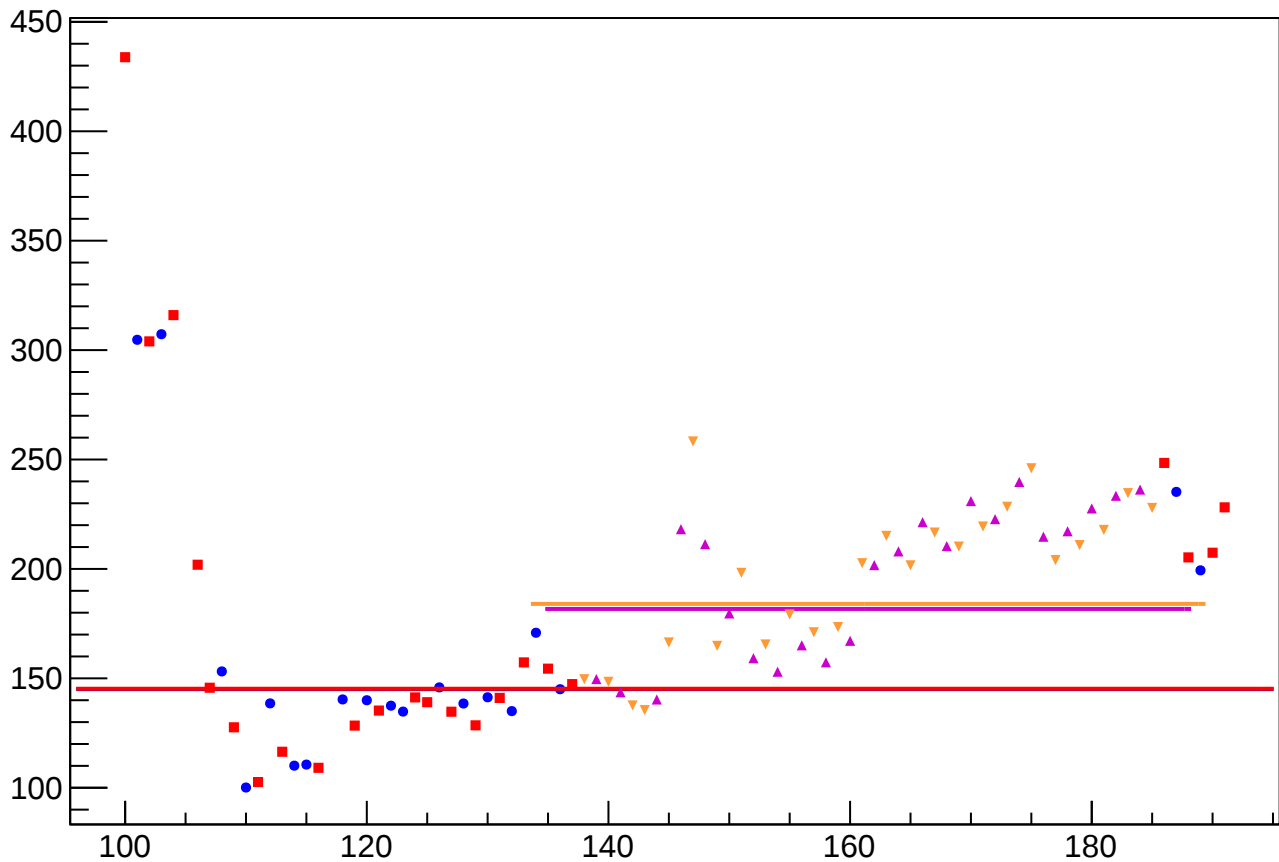
yield_bpm0l01WS_mean vs Slug



Right In: 127280.321 ± 0.057 $\chi^2/\text{NDF}: 1366376025.4/18$
 Left Out: 125790.126 ± 0.044 $\chi^2/\text{NDF}: 6744310079.8/24$
 Right Out: 126670.130 ± 0.052 $\chi^2/\text{NDF}: 3657429105.4/22$
 Left In: 125952.447 ± 0.045 $\chi^2/\text{NDF}: 5841800367.5/22$

All: 126300.897 ± 0.024 $\chi^2/\text{NDF}: 181510584$
 + sign 126344.503 ± 0.035 $\chi^2/\text{NDF}: 8538161692.5$
 - sign 126259.932 ± 0.034 $\chi^2/\text{NDF}: 9609858100.4$

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: 145.243 $\pm$ 0.036 χ^2 /NDF: 1410901.1/22

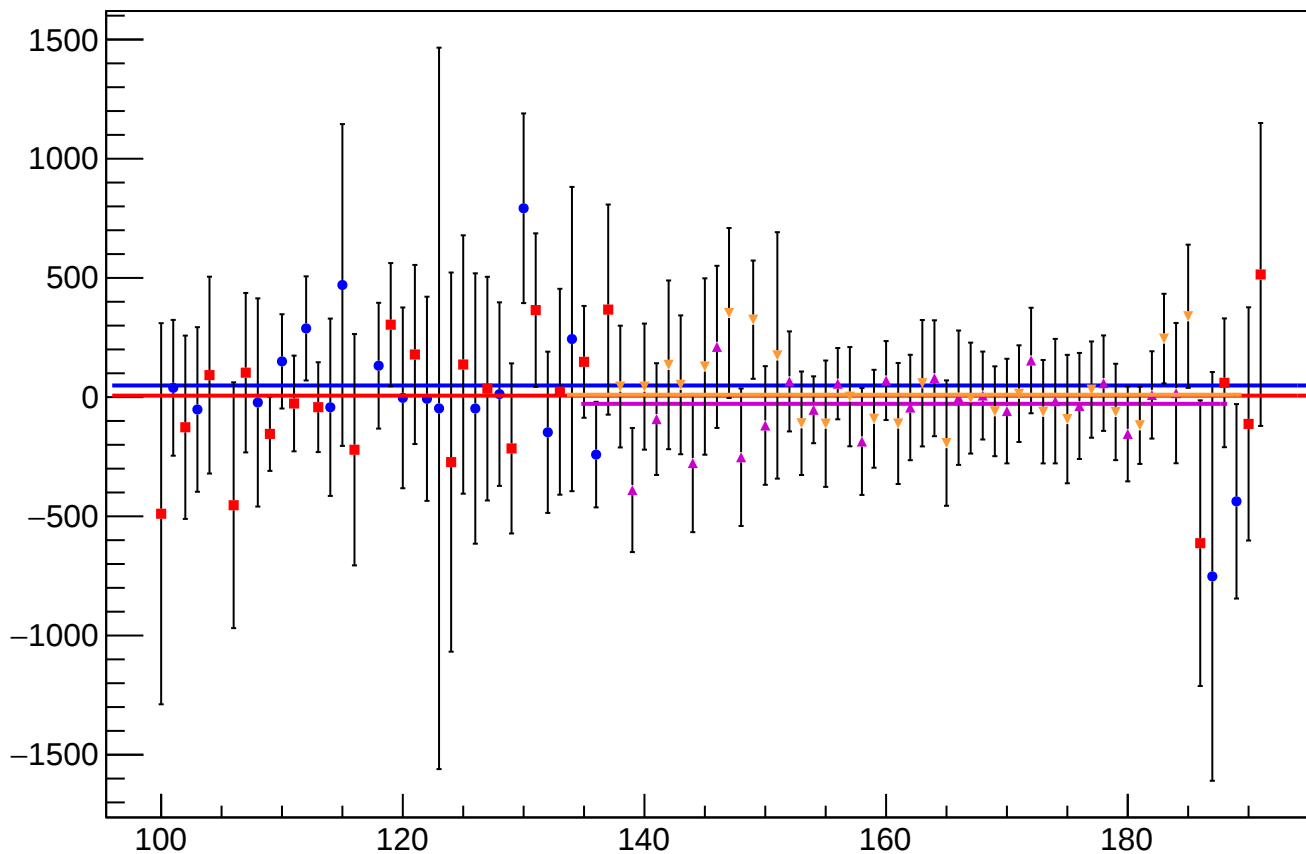
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 169.541 $\pm$ 0.025 χ^2 /NDF: 2657472.6/43

All: 167.761 $\pm$ 0.017 χ^2 /NDF: 5766030.2/89

- sign 166.088 $\pm$ 0.024 χ^2 /NDF: 3098427.0/45

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: 6.235 $\pm$ 66.432 χ^2 /NDF: 9.0/22

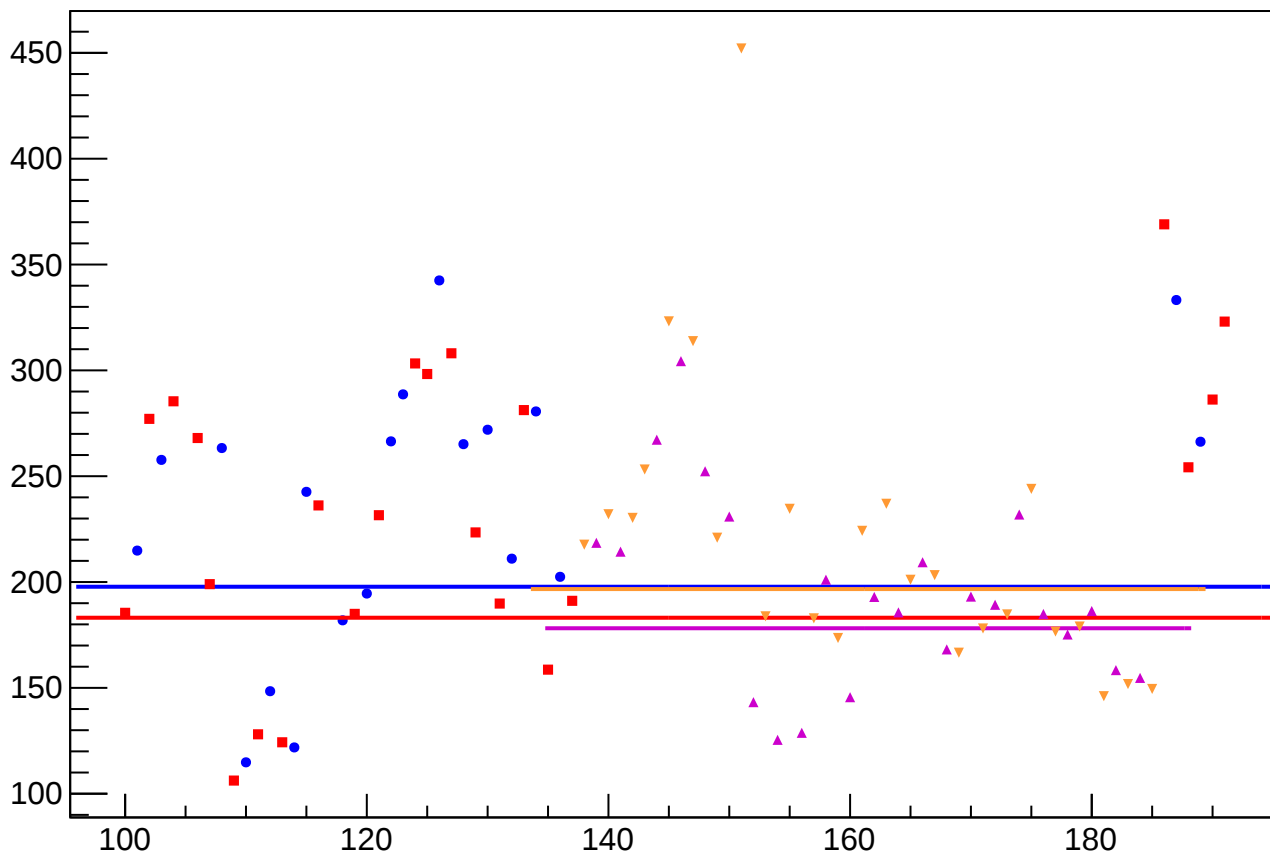
Left In: -28.050 $\pm$ 44.573 χ^2 /NDF: 7.0/22

+ sign 20.559 $\pm$ 40.565 χ^2 /NDF: 18.8/43

All: -0.158 $\pm$ 27.342 χ^2 /NDF: 35.4/89

- sign -17.407 $\pm$ 37.013 χ^2 /NDF: 16.1/45

asym_bcm_an_ds_rms vs Slug



Right In: 197.781 $\pm$ 0.055 χ^2 /NDF: 1129770.3/18

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF: 1782715.7/24

Right Out: 183.137 $\pm$ 0.047 χ^2 /NDF: 2141972.4/22

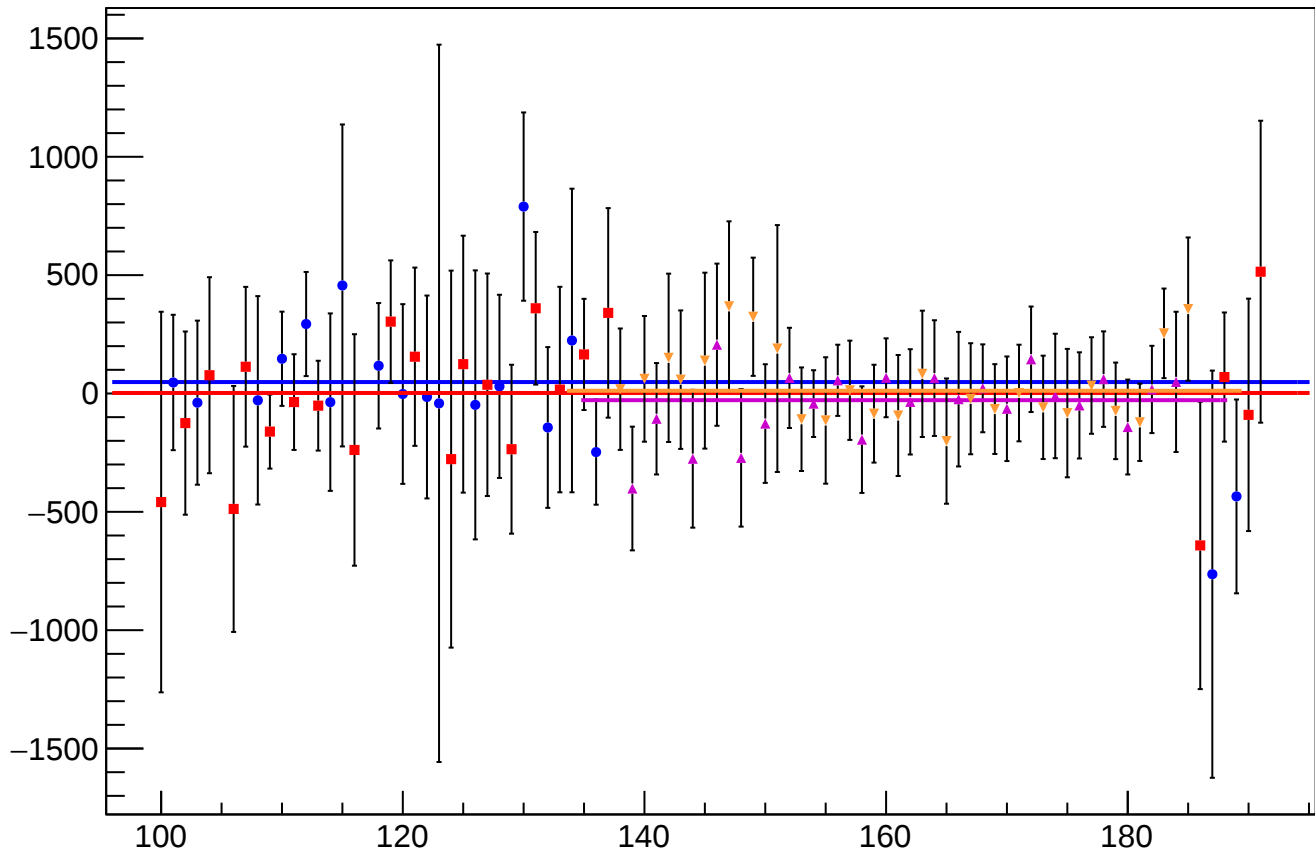
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF: 1618967.9/22

+ sign 196.979 $\pm$ 0.029 χ^2 /NDF: 2912775.6/43

All: 187.555 $\pm$ 0.019 χ^2 /NDF: 6879251.9/89

- sign 179.709 $\pm$ 0.026 χ^2 /NDF: 3768662.5/45

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: 2.195 $\pm$ 66.805 χ^2 /NDF: 9.2/22

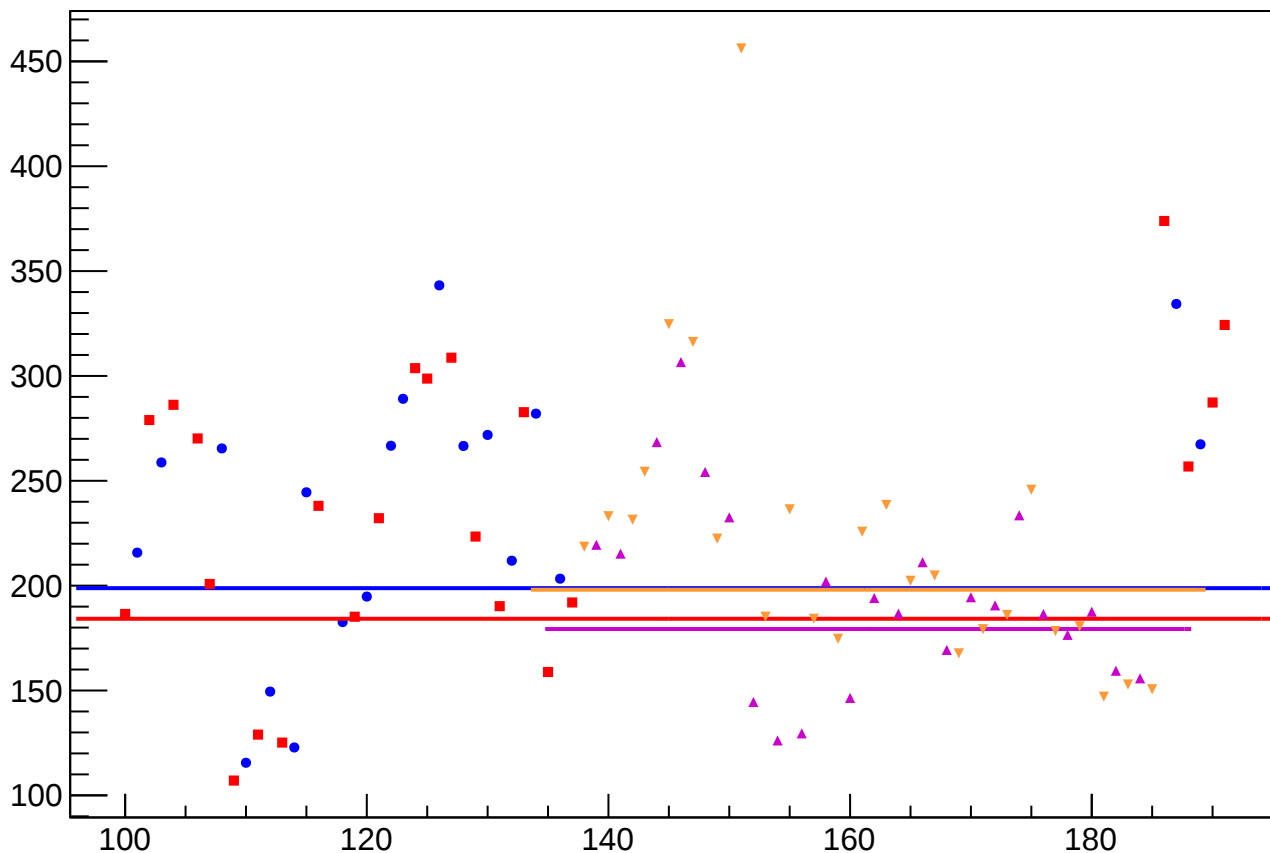
Left In: -28.280 $\pm$ 44.863 χ^2 /NDF: 7.1/22

+ sign 21.456 $\pm$ 40.824 χ^2 /NDF: 19.1/43

All: -0.518 $\pm$ 27.514 χ^2 /NDF: 36.0/89

- sign -18.808 $\pm$ 37.244 χ^2 /NDF: 16.5/45

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: 184.211 $\pm$ 0.047 χ^2 /NDF: 2134858.4/22

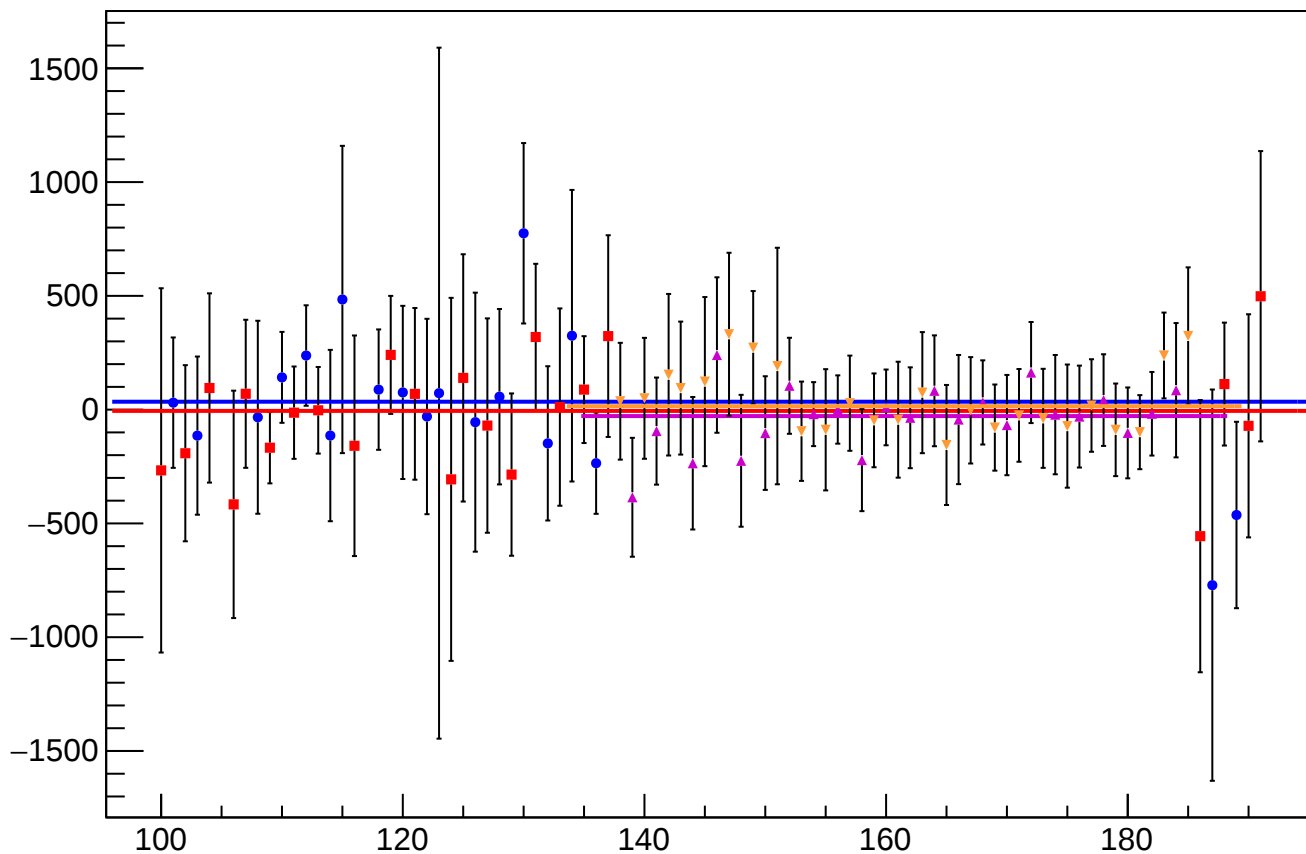
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF: 1618266.2/22

+ sign 198.260 $\pm$ 0.029 χ^2 /NDF: 2899260.1/43

All: 188.755 $\pm$ 0.019 χ^2 /NDF: 6858450.0/89

- sign 180.843 $\pm$ 0.026 χ^2 /NDF: 3760502.9/45

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: -5.501 ± 66.683 χ^2/NDF : 7.5/22

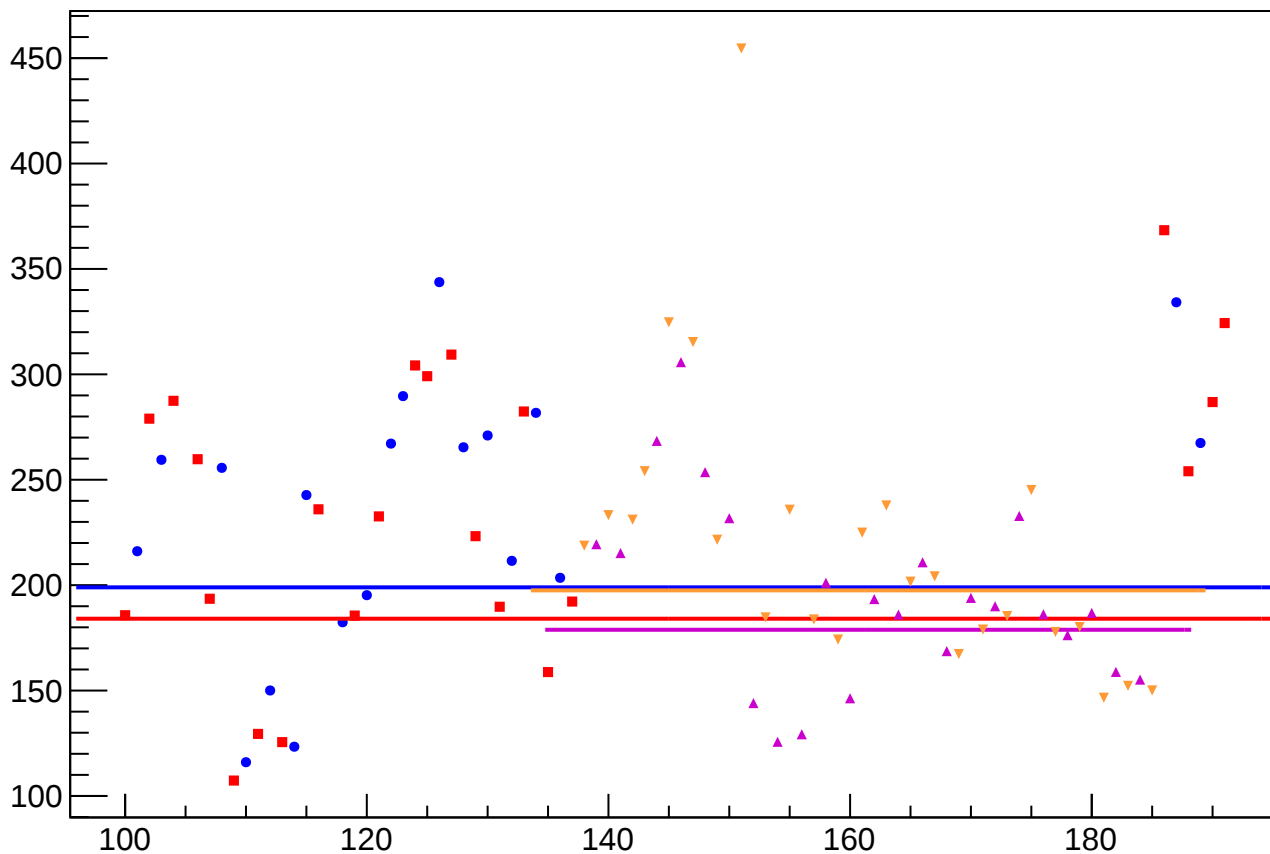
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign 20.673 ± 40.746 χ^2/NDF : 16.9/43

All: -2.193 ± 27.454 χ^2/NDF : 31.4/89

- sign -21.206 ± 37.154 χ^2/NDF : 13.9/45

asym_bcm_an_us_rms vs Slug



Right In: 198.960 $\pm$ 0.055 χ^2 /NDF: 1098169.6/18

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

+ sign 197.914 $\pm$ 0.029 χ^2 /NDF: 2882882.6/43

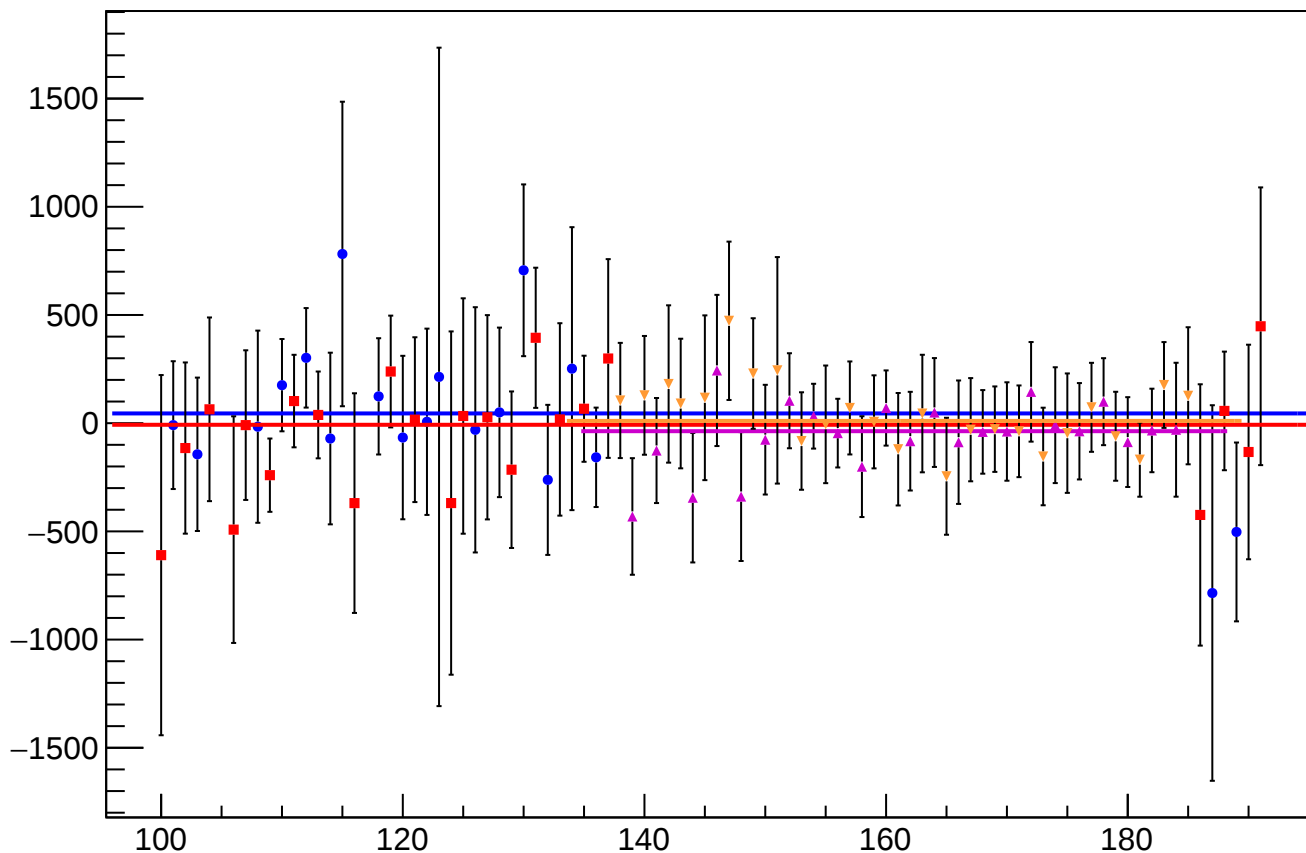
Right Out: 184.084 $\pm$ 0.047 χ^2 /NDF: 2098031.2/22

All: 188.387 $\pm$ 0.019 χ^2 /NDF: 6811994.2/89

Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

- sign 180.465 $\pm$ 0.026 χ^2 /NDF: 3728840.6/45

asym_bcm_dg_us_mean vs Slug



Right In: 45.039 ± 80.779 χ^2/NDF : 10.5/18

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: -7.417 ± 69.271 χ^2/NDF : 8.8/22

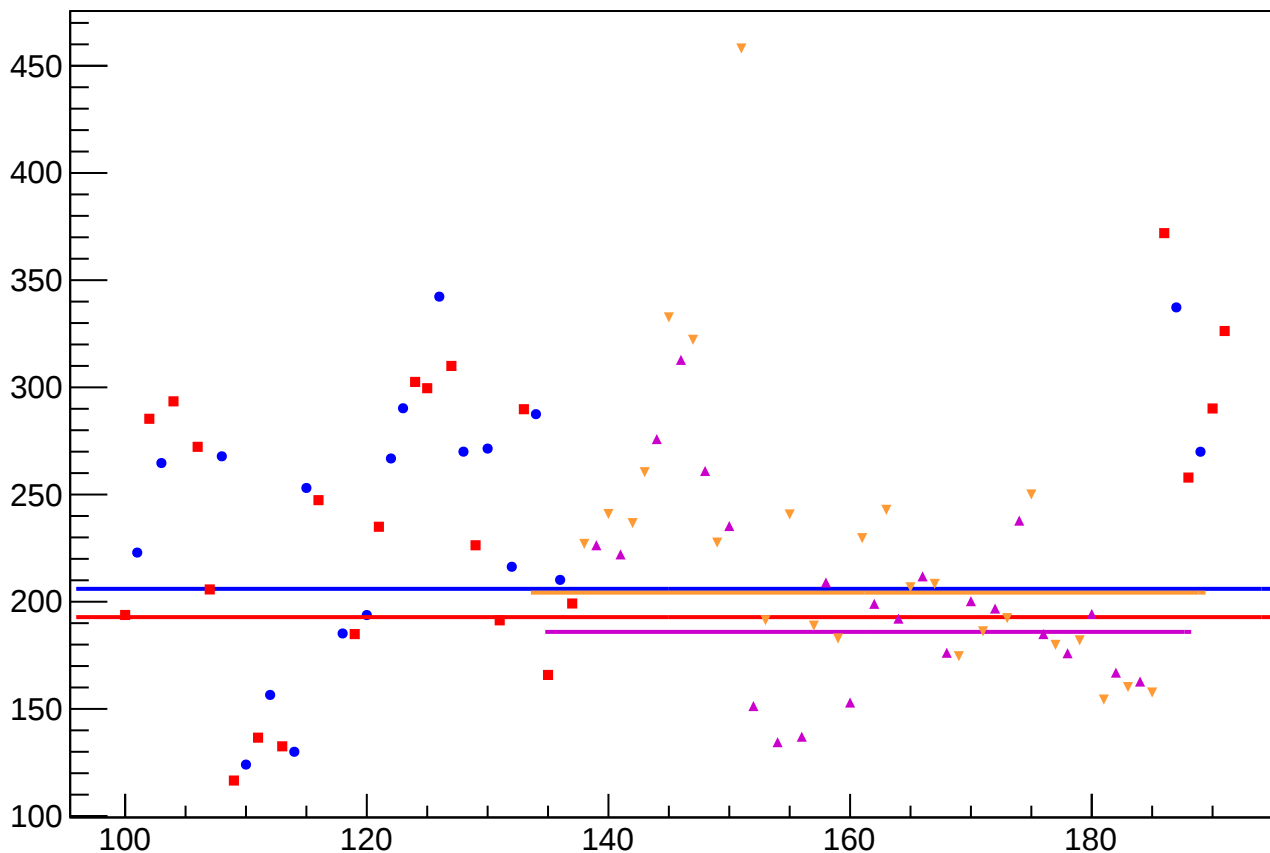
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign 19.870 ± 42.017 χ^2/NDF : 18.1/43

All: -6.054 ± 28.396 χ^2/NDF : 35.6/89

- sign -27.849 ± 38.526 χ^2/NDF : 16.8/45

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

+ sign 204.716 $\pm$ 0.030 χ^2 /NDF: 2657919.5/43

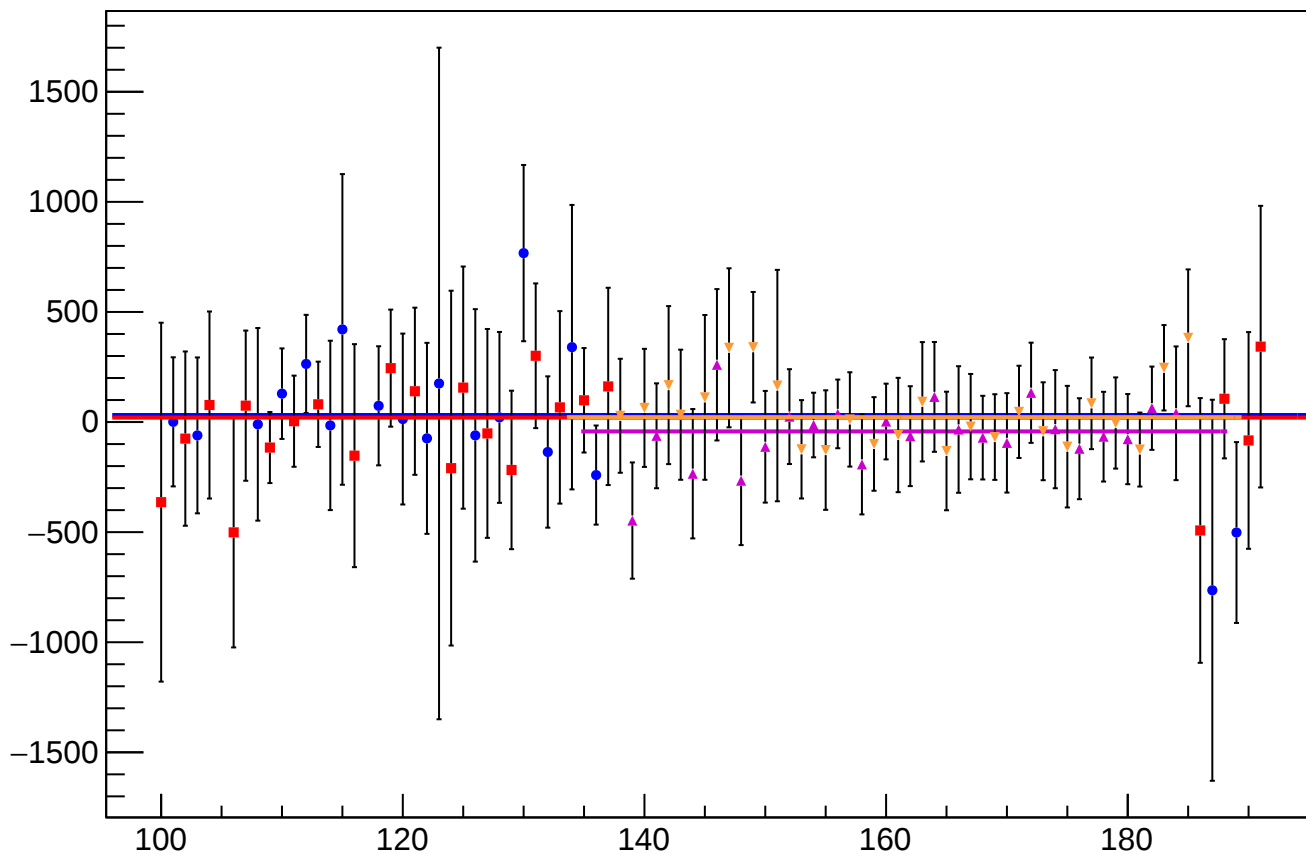
Right Out: 192.821 $\pm$ 0.049 χ^2 /NDF: 1872383.5/22

All: 195.669 $\pm$ 0.020 χ^2 /NDF: 6174706.7/89

- sign 188.063 $\pm$ 0.027 χ^2 /NDF: 3346113.5/45

Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

asym_bcm_dg_ds_mean vs Slug



Right In: 31.927 $\pm$ 79.749 χ^2 /NDF: 9.7/18

Left Out: 22.189 $\pm$ 48.738 χ^2 /NDF: 8.4/24

Right Out: 20.298 $\pm$ 67.986 χ^2 /NDF: 5.7/22

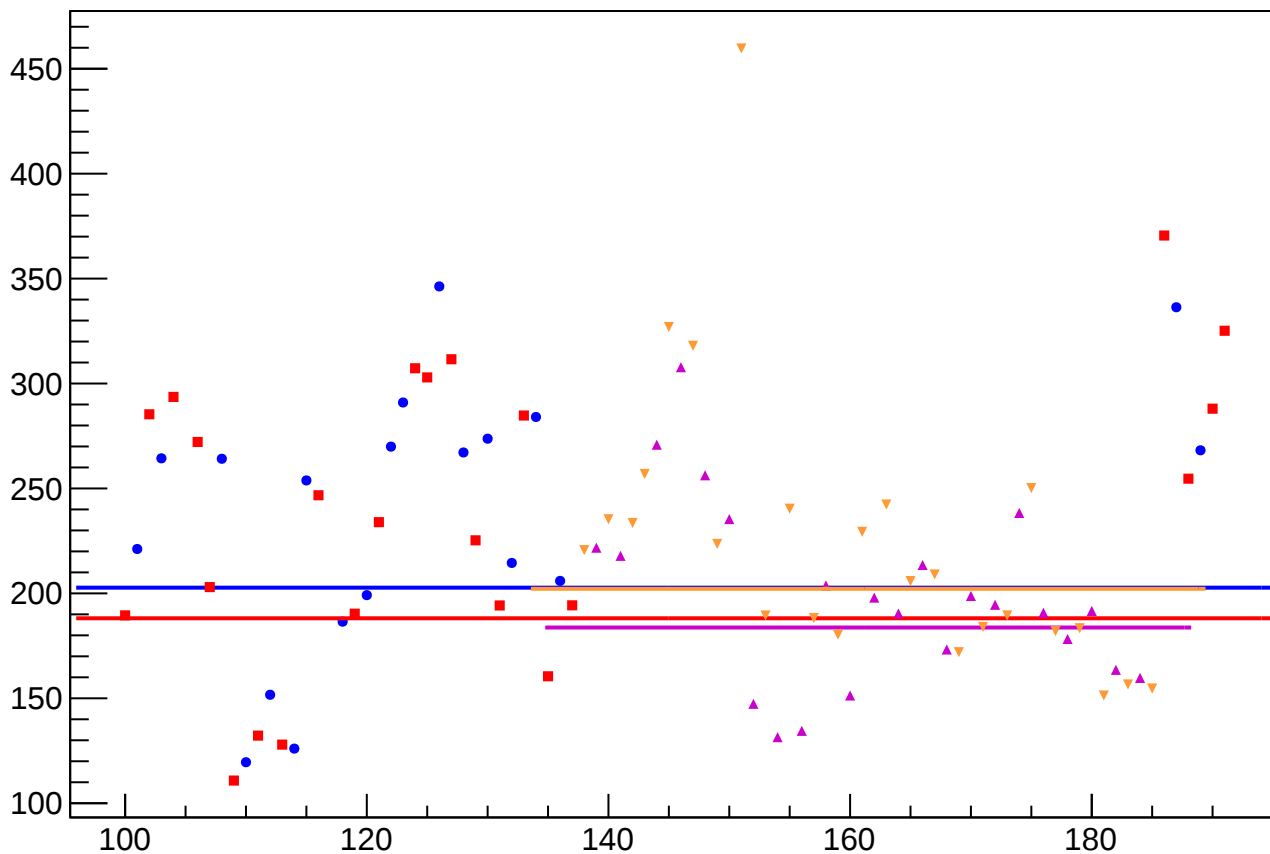
Left In: -42.446 $\pm$ 45.861 χ^2 /NDF: 6.7/22

+ sign 24.837 $\pm$ 41.587 χ^2 /NDF: 18.1/43

All: -1.125 $\pm$ 28.060 χ^2 /NDF: 31.8/89

- sign -22.824 $\pm$ 38.019 χ^2 /NDF: 13.1/45

asym_bcm_dg_ds_rms vs Slug



Right In: 202.721+/-0.056 χ^2/NDF : 1068562.9/18

Left Out: 202.186+/-0.034 χ^2/NDF : 1696571.9/24

Right Out: 188.132+/-0.048 χ^2/NDF : 2046867.3/22

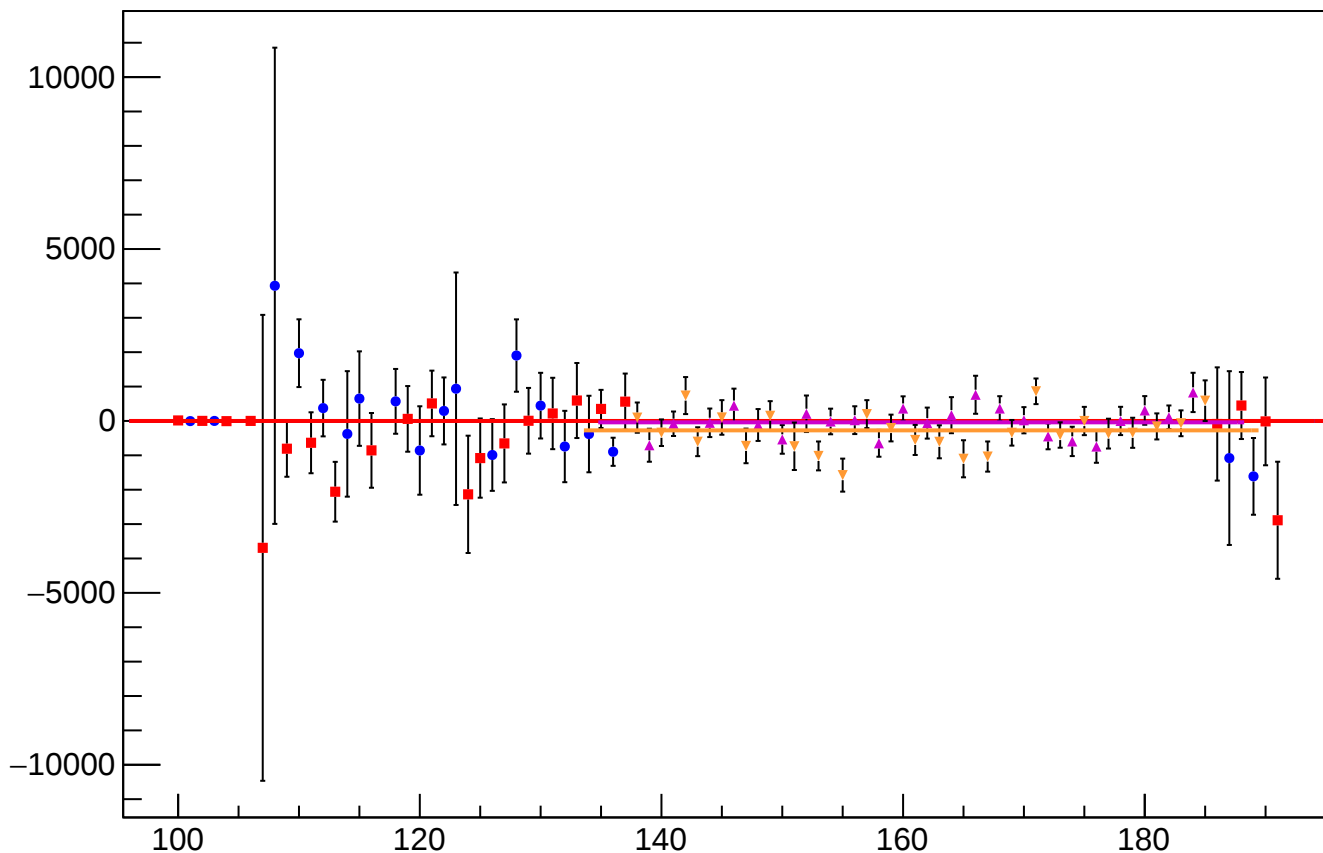
Left In: 183.732+/-0.032 χ^2/NDF : 1495930.4/22

+ sign 202.332+/-0.029 χ^2/NDF : 2765200.3/43

All: 192.949+/-0.020 χ^2/NDF : 6500624.4/89

- sign 185.108+/-0.027 χ^2/NDF : 3548553.7/45

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: -0.733 ± 2.111 χ^2/NDF : 21.3/22

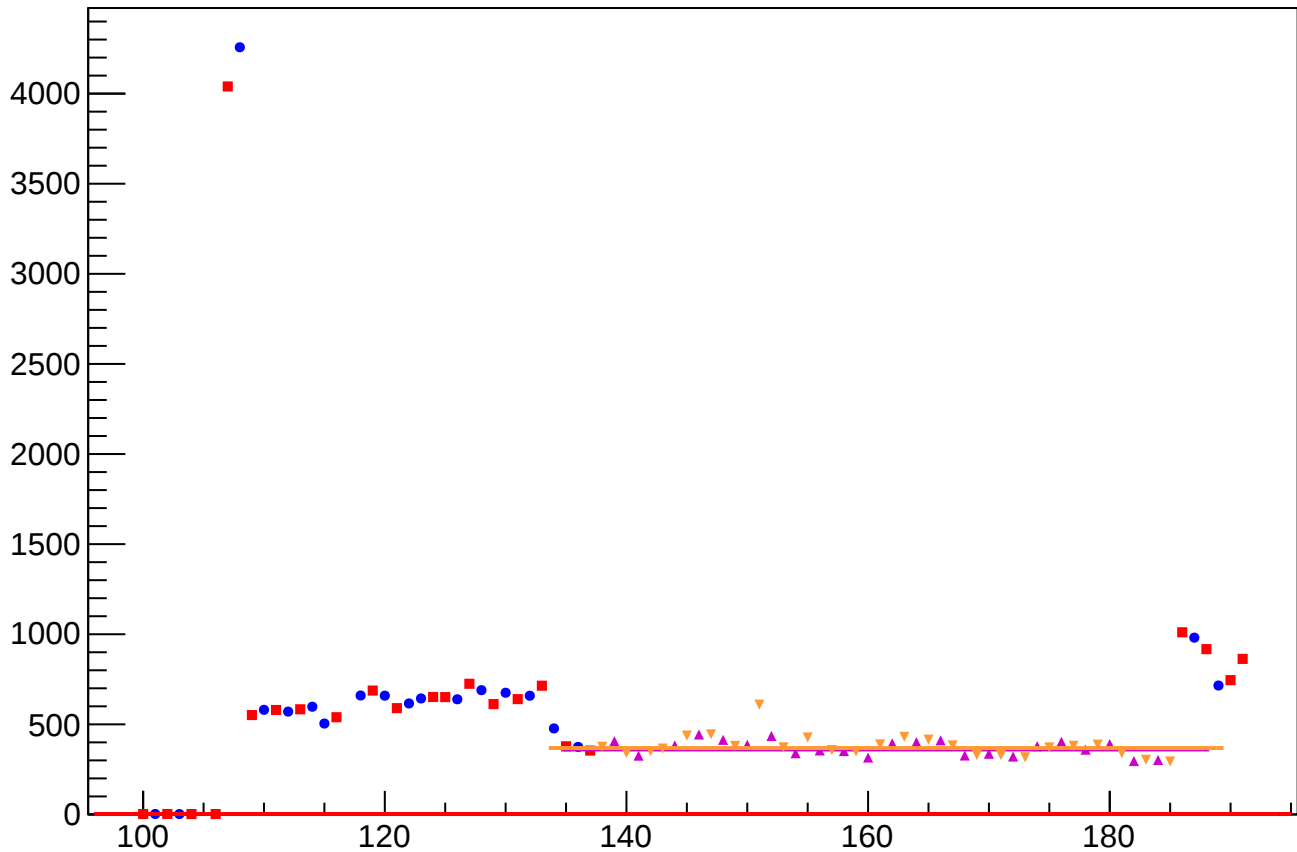
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.719 ± 2.251 χ^2/NDF : 67.3/43

All: -1.207 ± 1.540 χ^2/NDF : 109.1/89

- sign -0.756 ± 2.111 χ^2/NDF : 41.7/45

asym_cav4bQ_rms vs Slug



Right In: 2.460 $\pm$ 0.002 χ^2 /NDF: 11783286.9/18

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.446 $\pm$ 0.001 χ^2 /NDF: 14796586.3/22

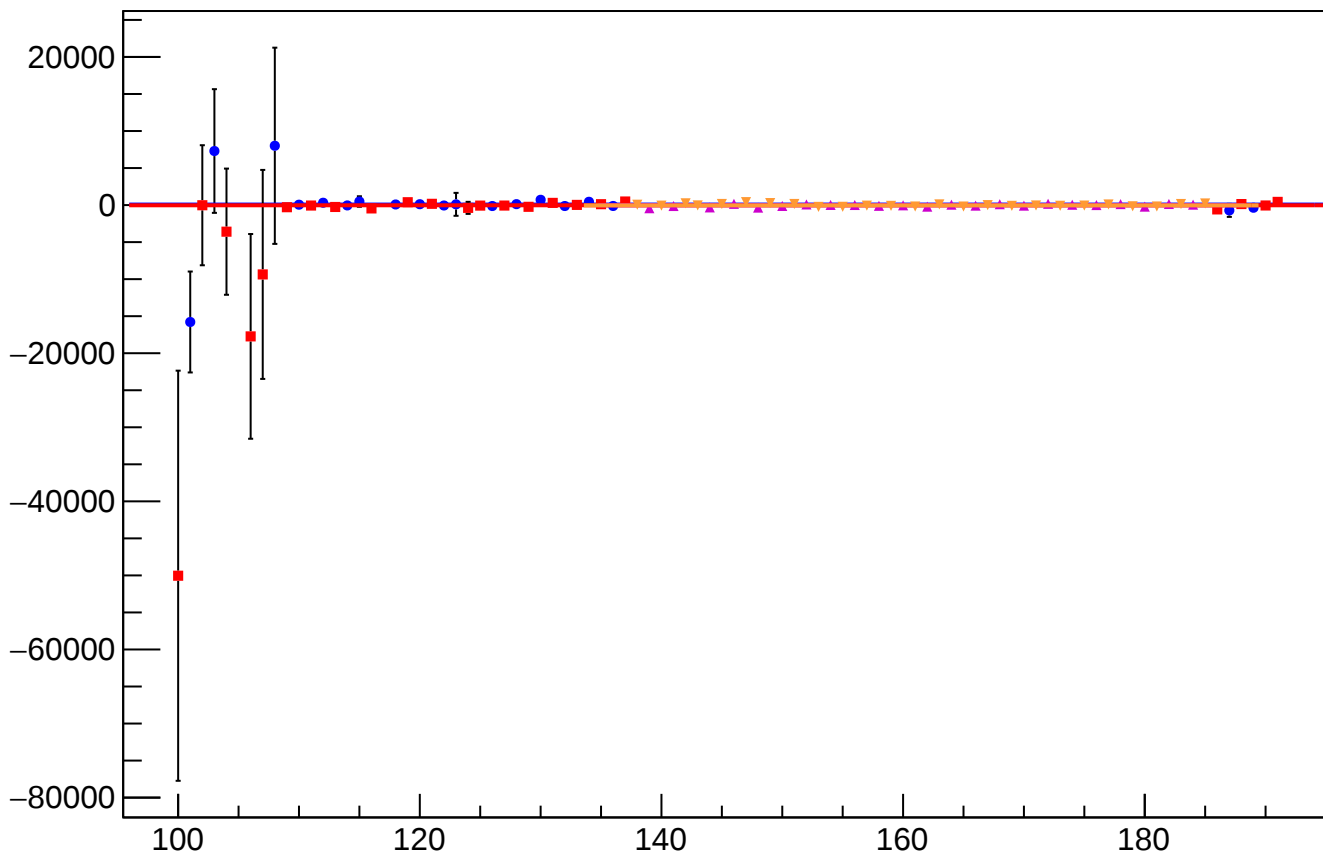
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.705 $\pm$ 0.002 χ^2 /NDF: 47892877.6/43

All: 2.678 $\pm$ 0.001 χ^2 /NDF: 96618573.4/89

- sign 2.654 $\pm$ 0.001 χ^2 /NDF: 48725150.0/45

asym_cav4cQ_mean vs Slug



Right In: 69.876 ± 89.394 χ^2/NDF : 14.0/18

Left Out: -39.036 ± 49.576 χ^2/NDF : 9.1/24

Right Out: -26.751 ± 78.593 χ^2/NDF : 15.8/22

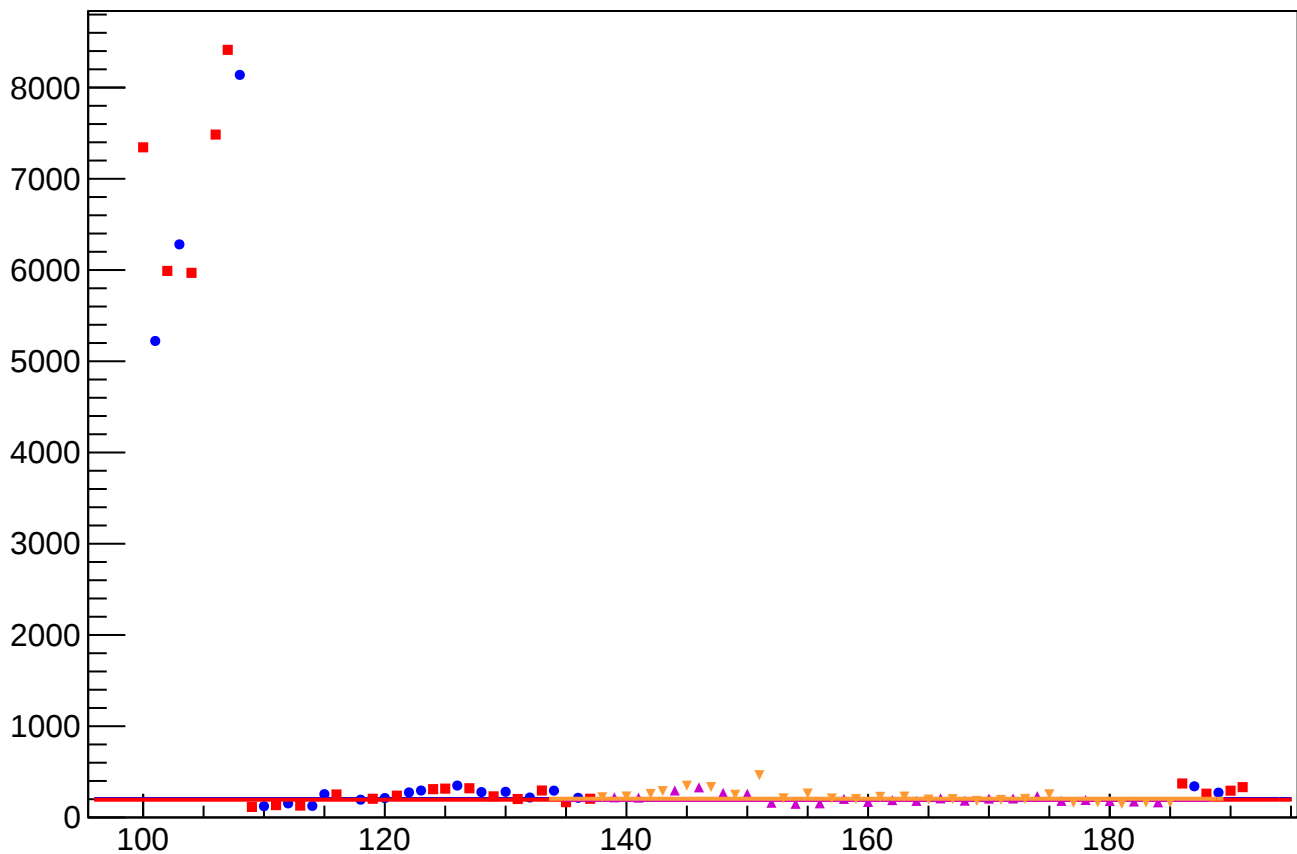
Left In: -28.062 ± 48.032 χ^2/NDF : 9.6/22

+ sign -13.418 ± 43.355 χ^2/NDF : 24.2/43

All: -20.963 ± 29.783 χ^2/NDF : 49.8/89

- sign -27.705 ± 40.984 χ^2/NDF : 25.4/45

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: 194.536 ± 0.056 χ^2/NDF : 4829777.9/22

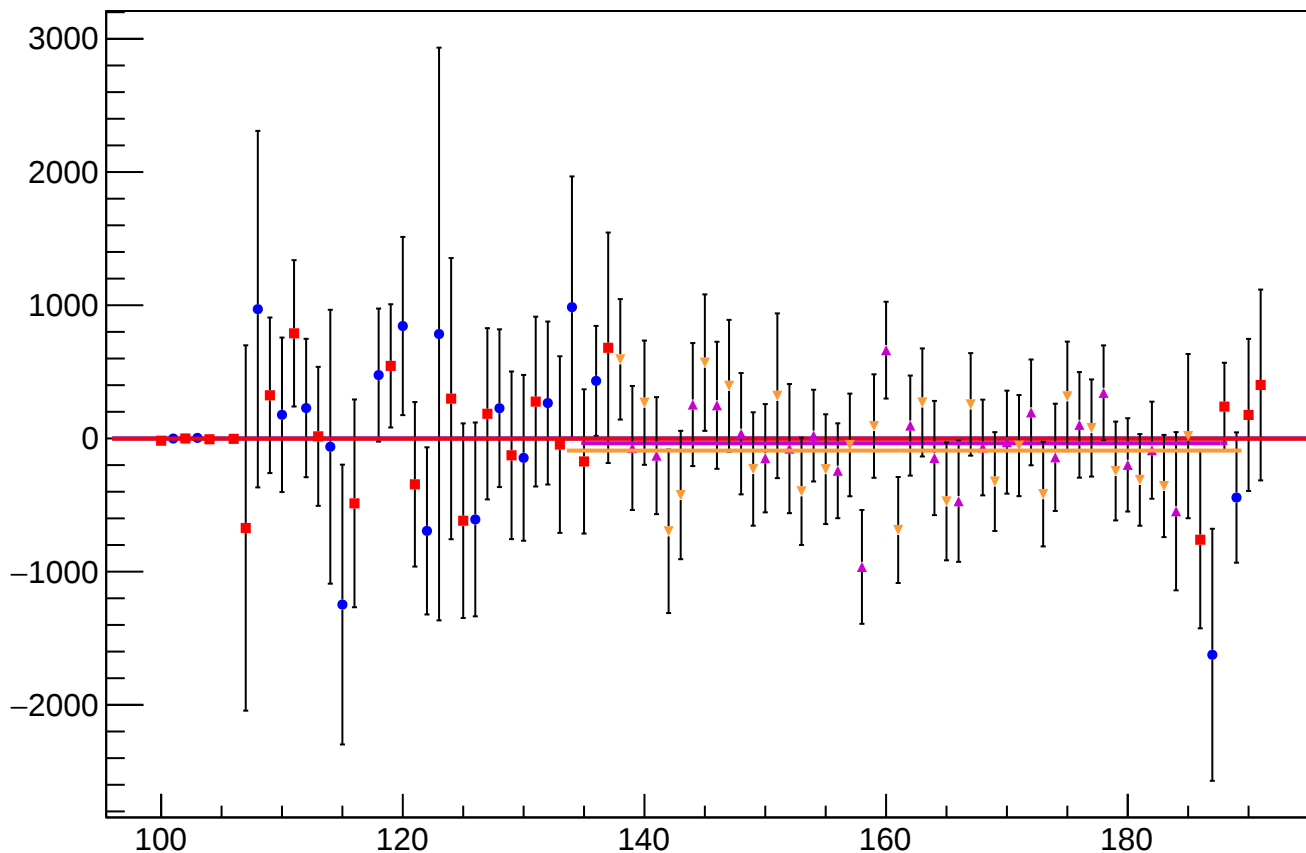
Left In: 193.616 ± 0.034 χ^2/NDF : 1179471.1/22

+ sign 204.514 ± 0.031 χ^2/NDF : 5769651.0/43

All: 198.891 ± 0.021 χ^2/NDF : 11842803.5/89

- sign 193.866 ± 0.029 χ^2/NDF : 6009448.6/45

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: -1.318 ± 1.623 χ^2/NDF : 11.5/22

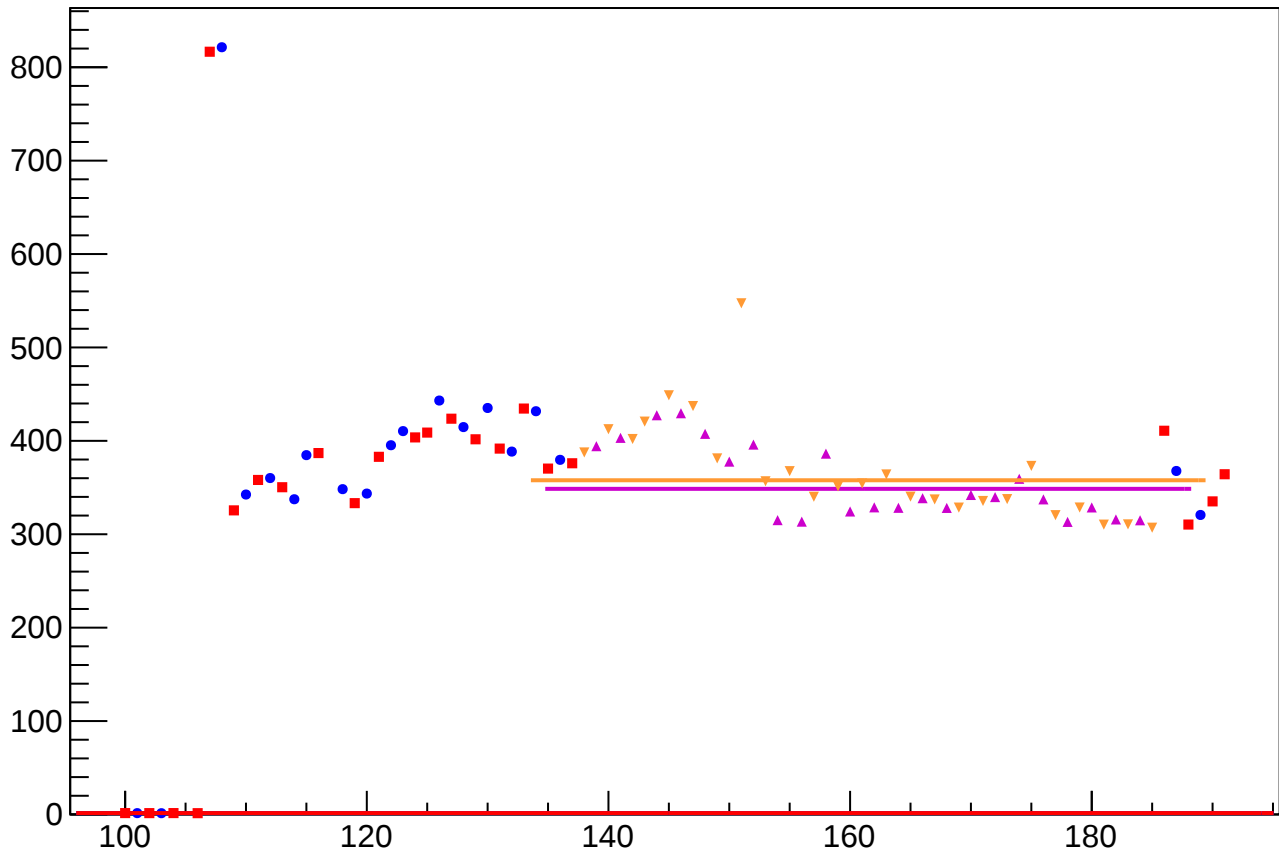
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.191 ± 1.736 χ^2/NDF : 31.5/43

All: -0.799 ± 1.185 χ^2/NDF : 56.8/89

- sign -1.331 ± 1.622 χ^2/NDF : 25.1/45

asym_cav4dQ_rms vs Slug



Right In: 1.457 ± 0.001 χ^2/NDF : 11923143.1/18

Left Out: 357.804 ± 0.059 χ^2/NDF : 547036.5/24

Right Out: 1.465 ± 0.001 χ^2/NDF : 14548777.8/22

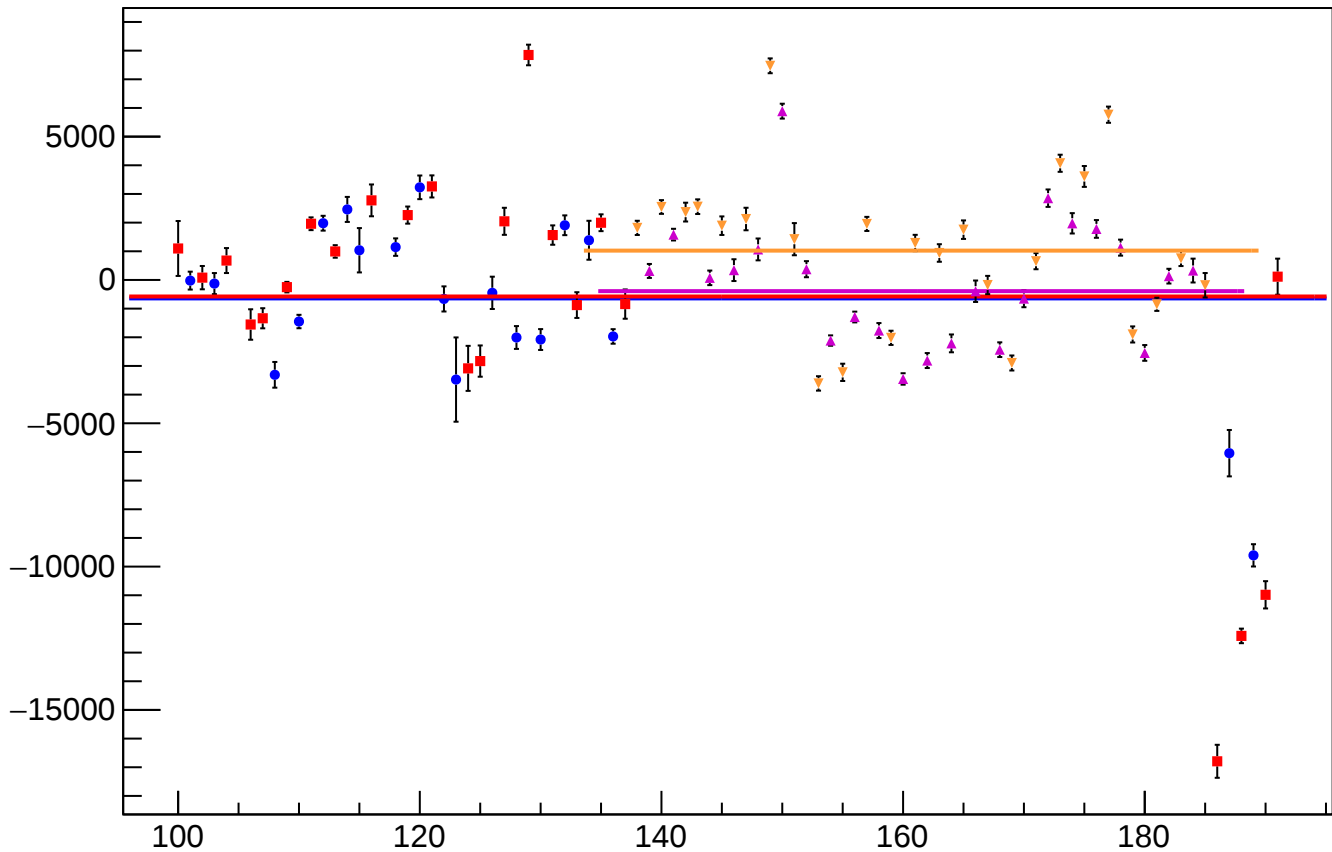
Left In: 348.611 ± 0.060 χ^2/NDF : 362511.2/22

+ sign 1.609 ± 0.001 χ^2/NDF : 48380580.4/43

All: 1.601 ± 0.001 χ^2/NDF : 97128775.6/89

- sign 1.594 ± 0.001 χ^2/NDF : 48748110.2/45

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: -577.167 ± 72.953 χ^2/NDF : 4605.1/22

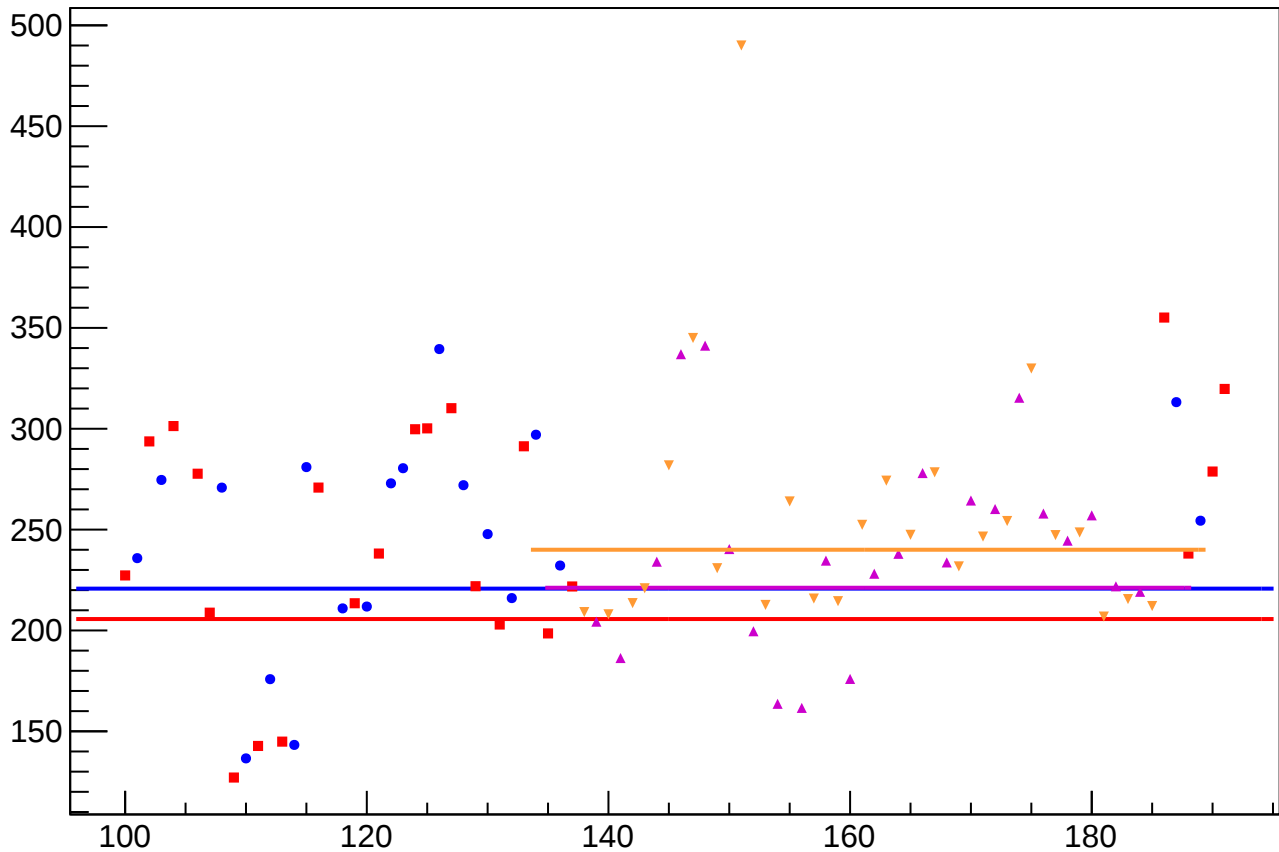
Left In: -390.237 ± 54.931 χ^2/NDF : 1584.9/22

+ sign 507.390 ± 47.645 χ^2/NDF : 3603.3/43

All: -14.859 ± 32.278 χ^2/NDF : 10019.7/89

- sign -457.873 ± 43.882 χ^2/NDF : 6194.2/45

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: 205.660 $\pm$ 0.052 χ^2 /NDF: 1500009.5/22

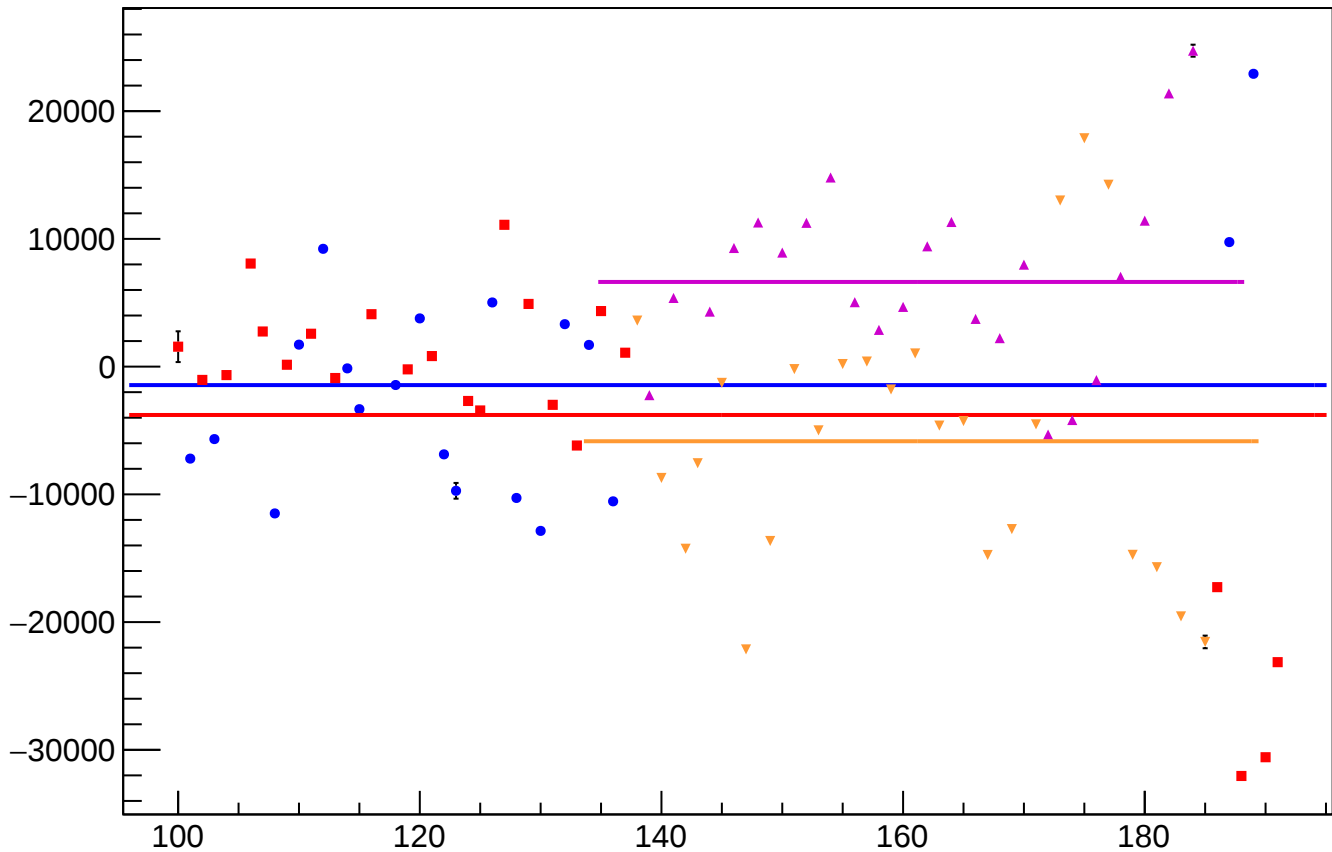
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 234.051 $\pm$ 0.034 χ^2 /NDF: 1777631.2/43

All: 224.046 $\pm$ 0.023 χ^2 /NDF: 4840853.8/89

- sign 215.560 $\pm$ 0.031 χ^2 /NDF: 2900242.2/45

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: -3785.605+/-41.986 χ^2/NDF : 81988.3/22

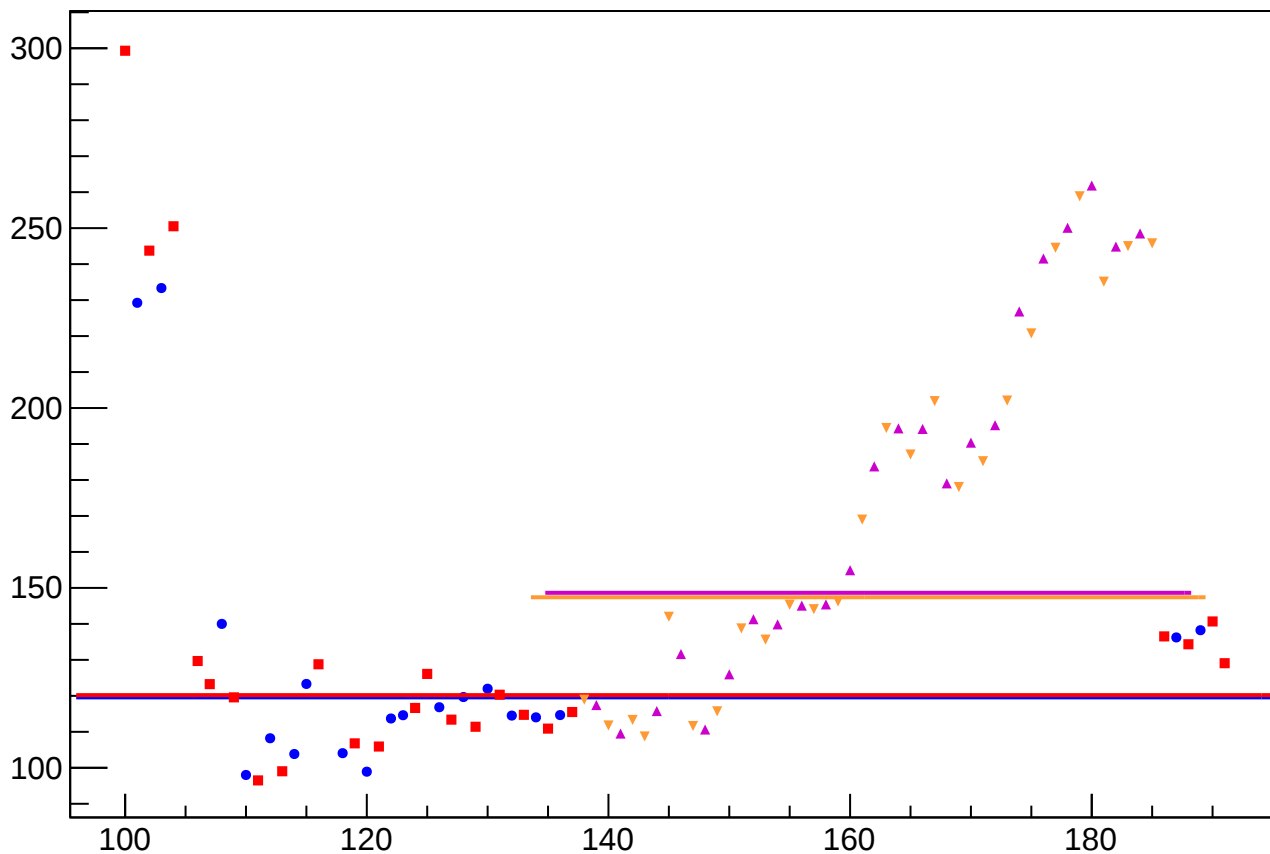
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -4226.953+/-28.512 χ^2/NDF : 104947.0/43

All: -1010.027+/-19.914 χ^2/NDF : 268025.5/8

- sign 2053.981+/-27.827 χ^2/NDF : 138224.6/45

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: 120.201 $\pm$ 0.030 χ^2 /NDF: 747052.6/22

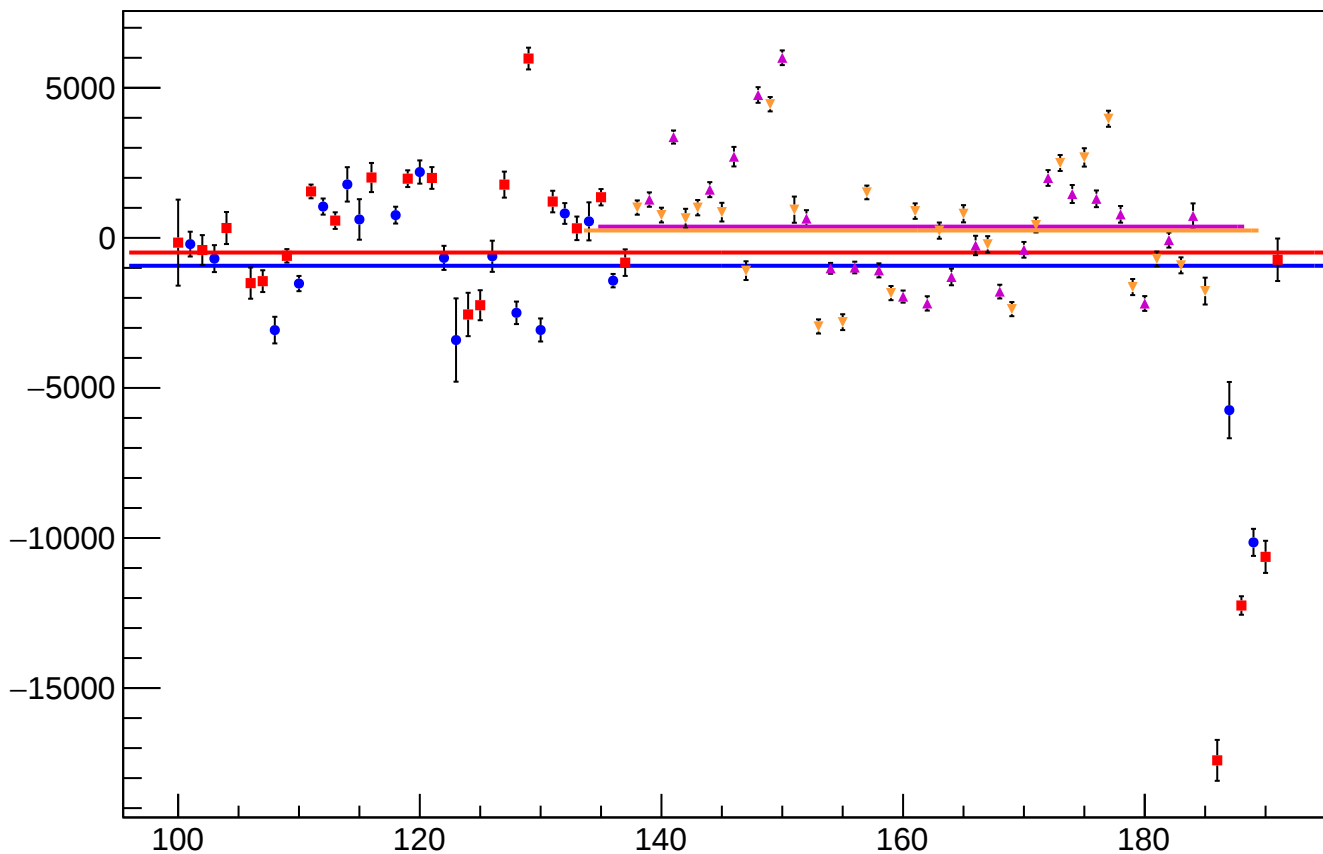
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF: 2415531.9/22

+ sign 137.176 $\pm$ 0.020 χ^2 /NDF: 3617956.0/43

All: 136.650 $\pm$ 0.014 χ^2 /NDF: 7296485.2/89

- sign 136.149 $\pm$ 0.020 χ^2 /NDF: 3677200.6/45

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: -488.292 ± 77.632 χ^2/NDF : 3127.7/22

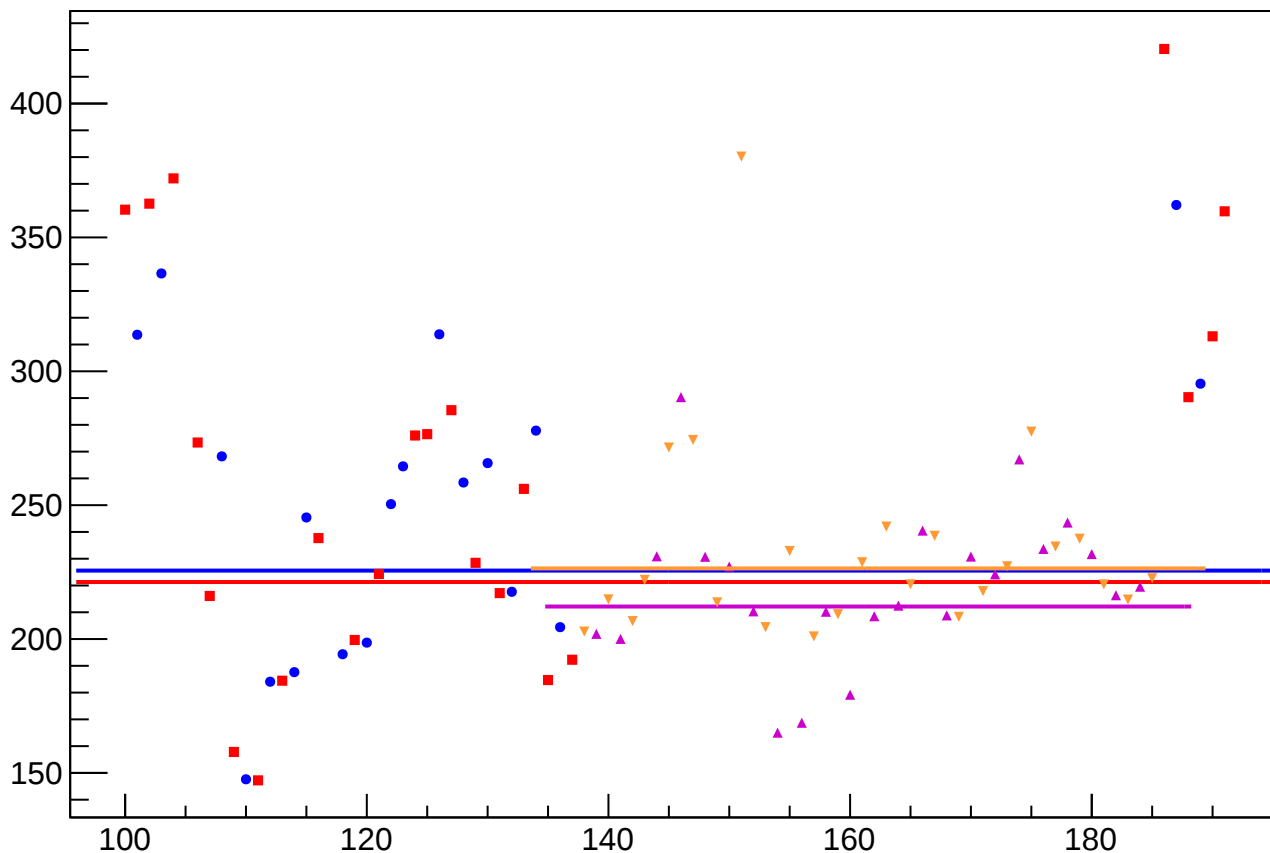
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -74.701 ± 45.613 χ^2/NDF : 2234.3/43

All: 21.745 ± 31.343 χ^2/NDF : 7254.1/89

- sign 108.026 ± 43.142 χ^2/NDF : 5011.3/45

asym_bpm0i07WS_rms vs Slug



Right In: 225.565 ± 0.062 χ^2/NDF : 740136.5/18

Left Out: 226.376 ± 0.038 χ^2/NDF : 521770.1/24

Right Out: 221.297 ± 0.055 χ^2/NDF : 1327001.2/22

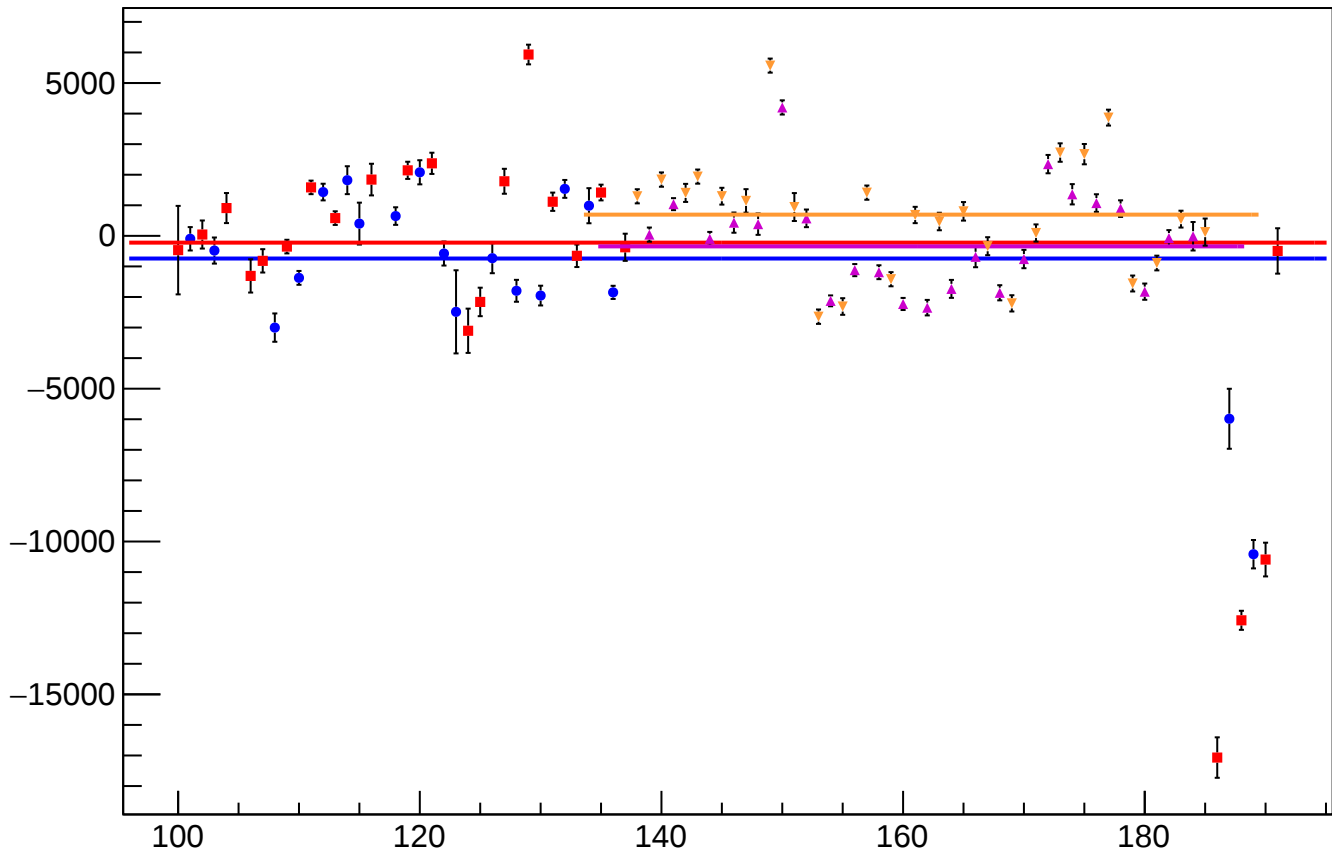
Left In: 212.145 ± 0.037 χ^2/NDF : 591698.6/22

+ sign 226.154 ± 0.032 χ^2/NDF : 1262031.9/43

All: 220.252 ± 0.022 χ^2/NDF : 3263399.2/89

- sign 214.971 ± 0.031 χ^2/NDF : 1937911.0/45

asym_bpm0l01WS_mean vs Slug



Right In: -741.598 ± 82.806 $\chi^2/\text{NDF}: 790.5/18$

Left Out: 694.326 ± 54.246 $\chi^2/\text{NDF}: 1422.1/24$

Right Out: -221.731 ± 73.855 $\chi^2/\text{NDF}: 3290.8/22$

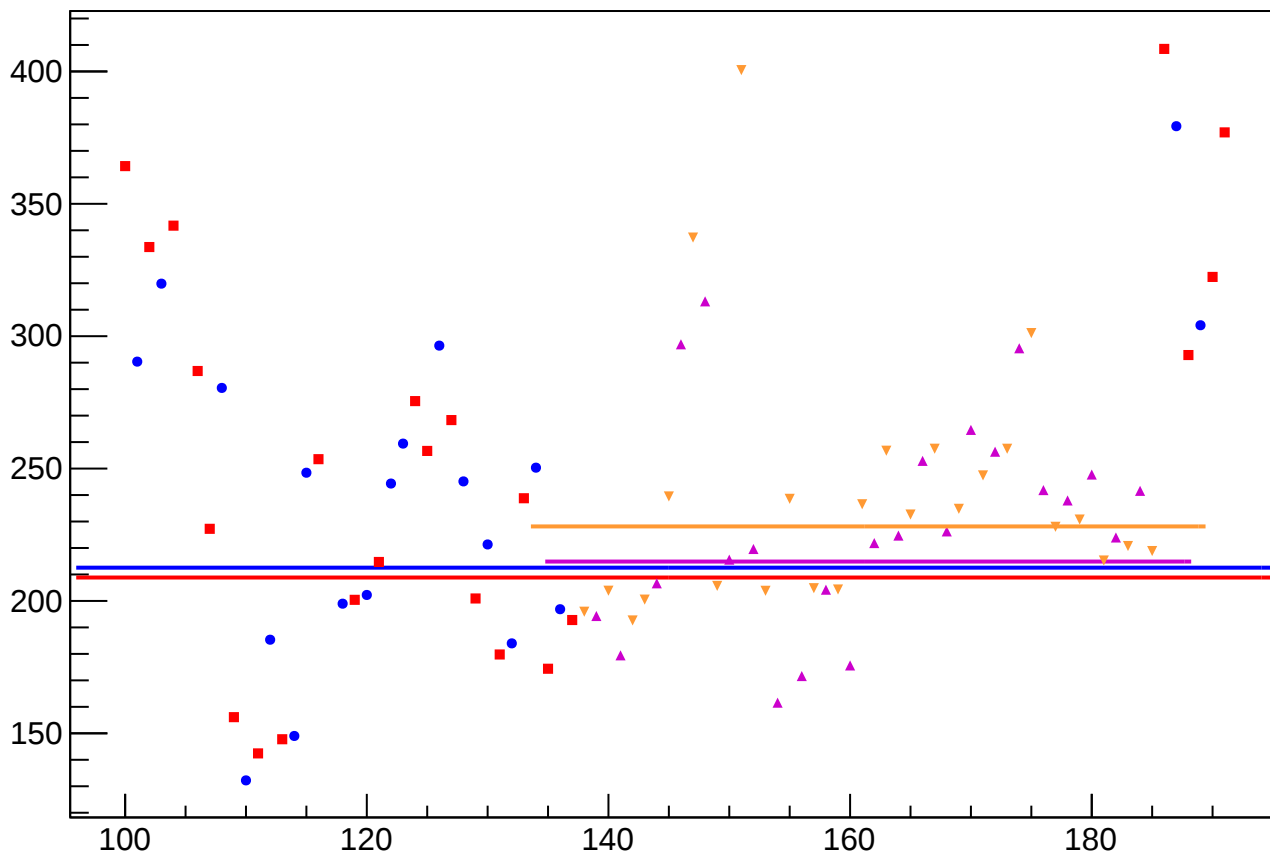
Left In: -344.578 ± 52.954 $\chi^2/\text{NDF}: 985.0/22$

+ sign 263.131 ± 45.376 $\chi^2/\text{NDF}: 2423.0/43$

All: -34.846 ± 31.225 $\chi^2/\text{NDF}: 6782.6/89$

- sign -302.867 ± 43.035 $\chi^2/\text{NDF}: 4277.7/45$

asym_bpm0l01WS_rms vs Slug



Right In: 212.569 $\pm$ 0.059 χ^2 /NDF: 839380.2/18

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF:828399.3/24

Right Out: 208.845 $\pm$ 0.052 χ^2 /NDF: 1487935.4/22

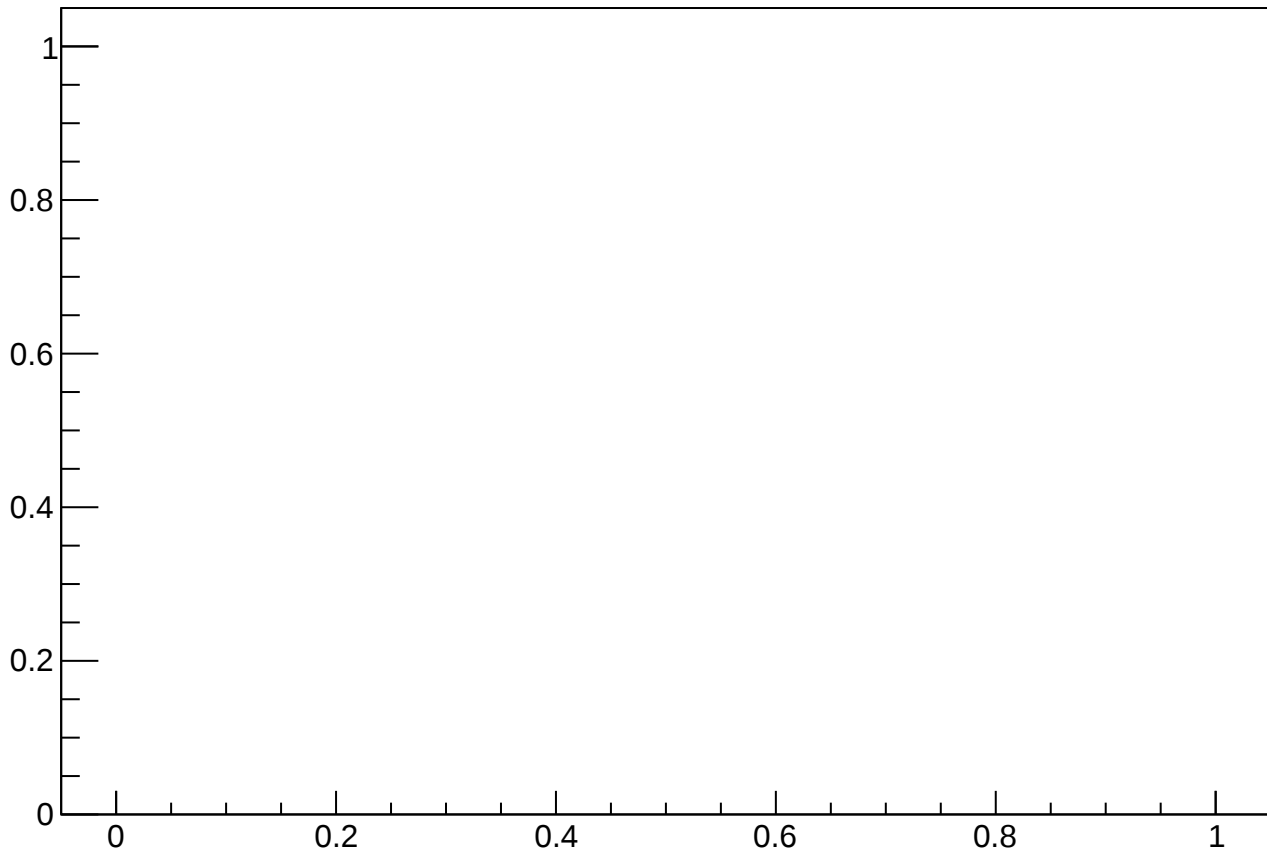
Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 223.467 $\pm$ 0.032 χ^2 /NDF: 1717289.2/43

All: 217.867 $\pm$ 0.022 χ^2 /NDF: 4309407.2/89

- sign 212.830 $\pm$ 0.030 χ^2 /NDF: 2534259.3/45

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

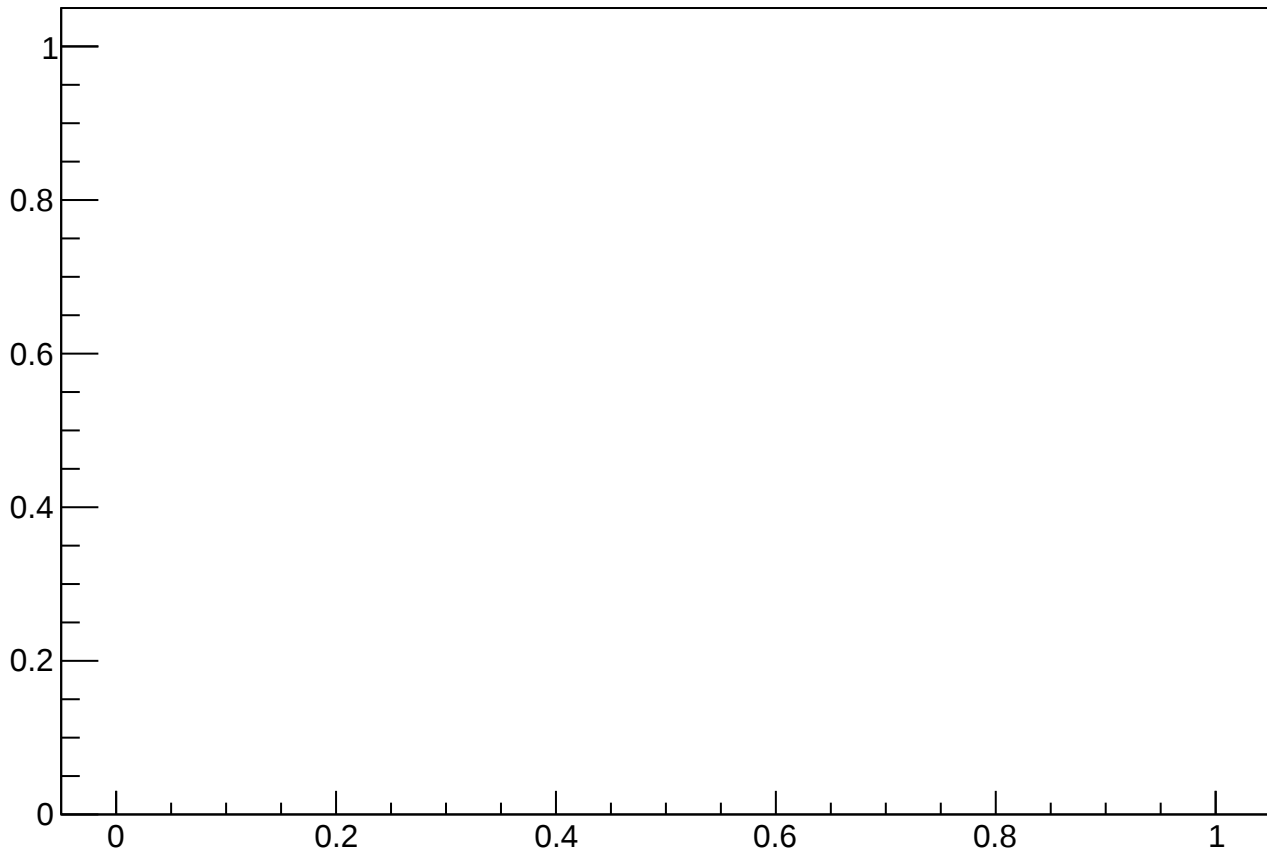
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

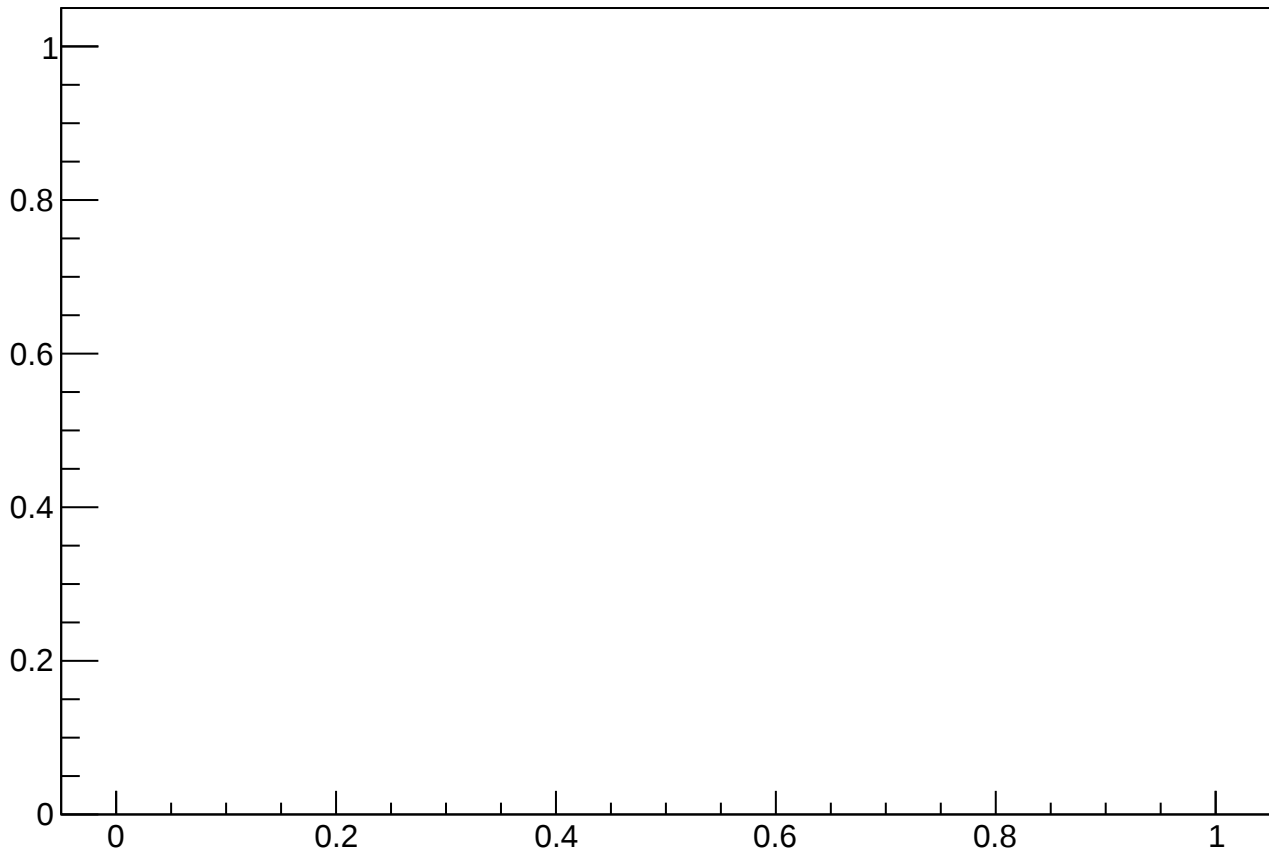
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

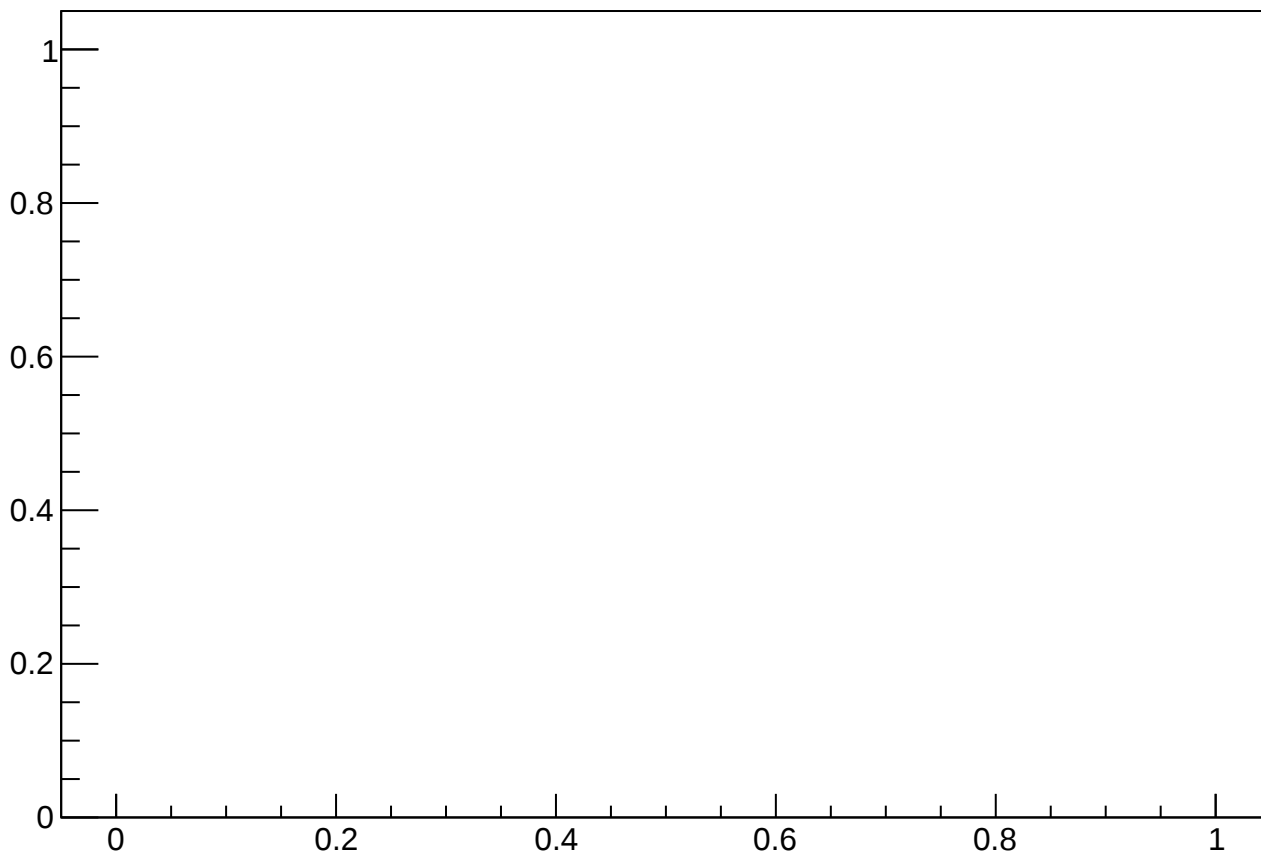
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

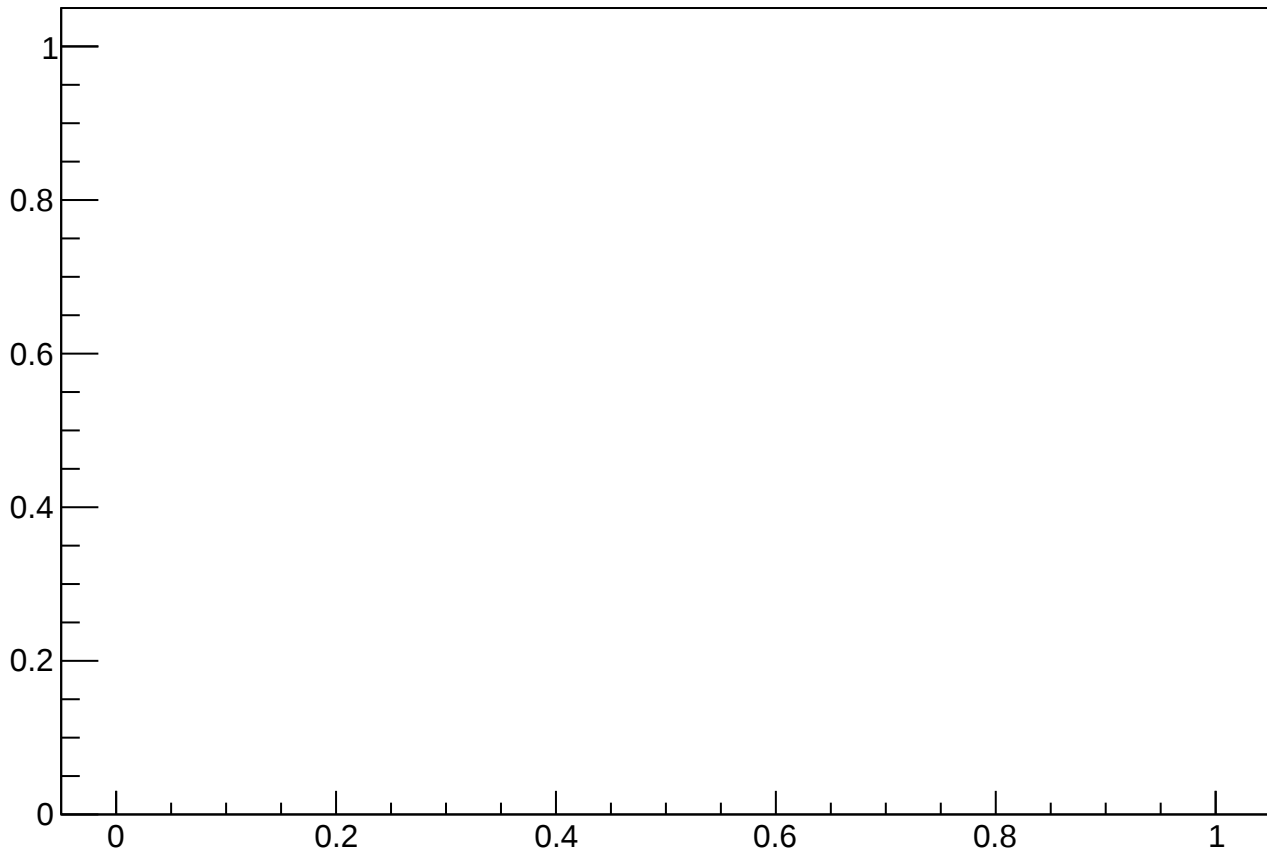
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

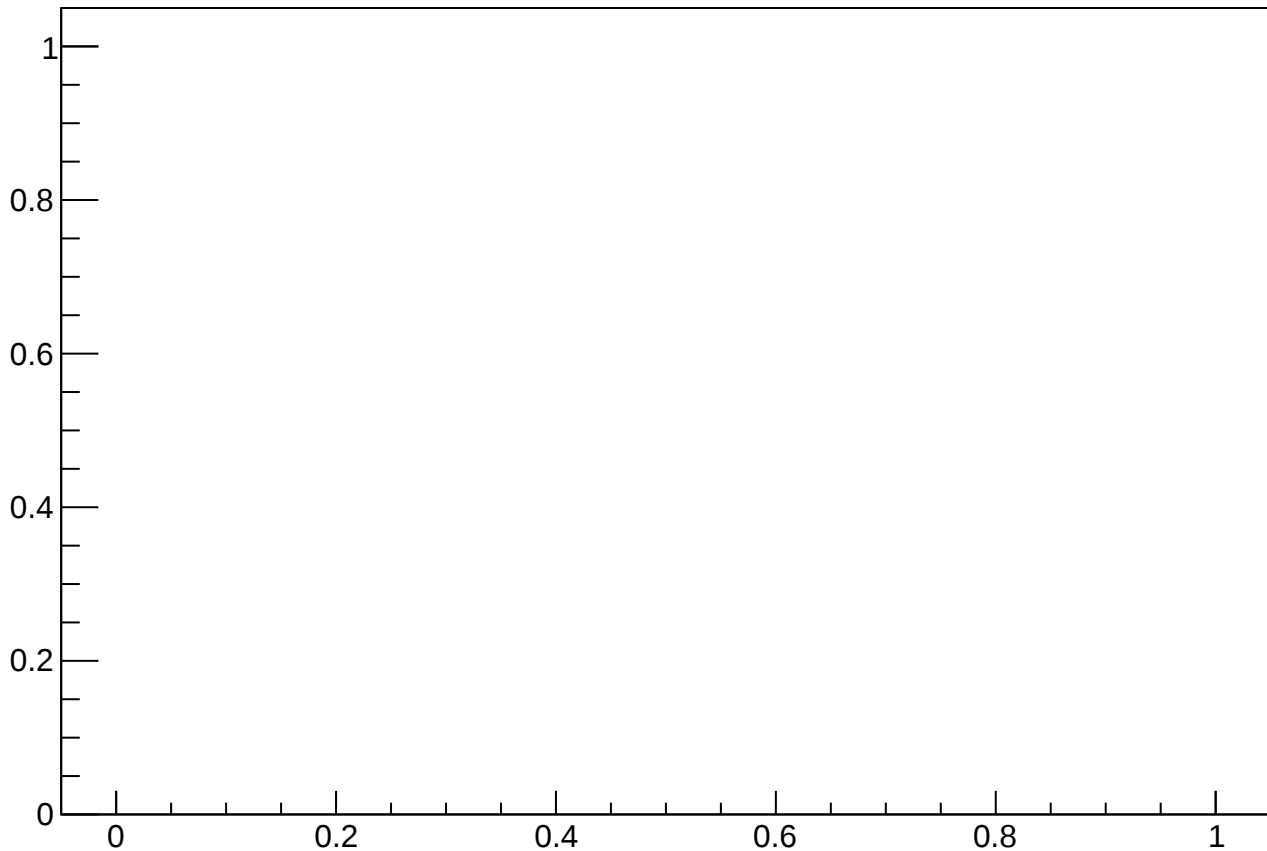
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

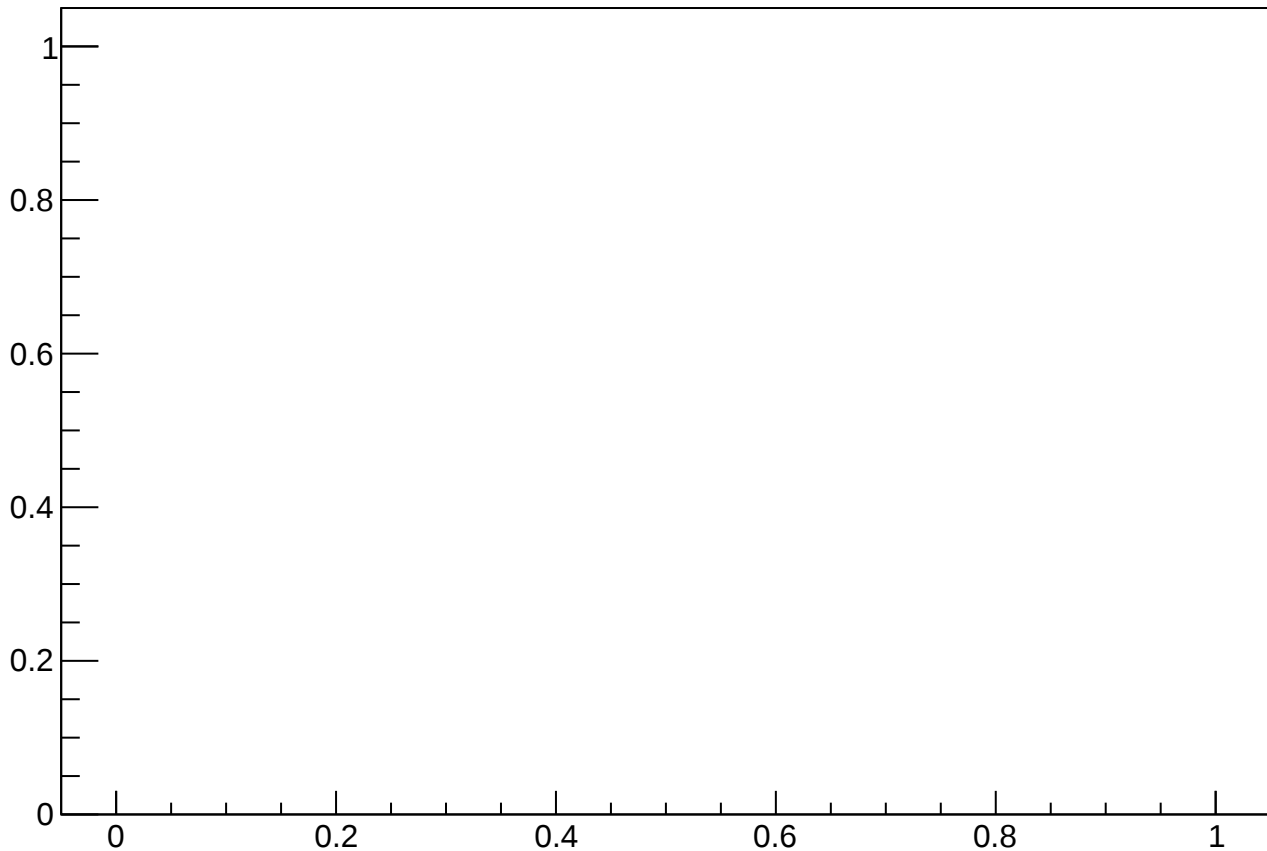
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

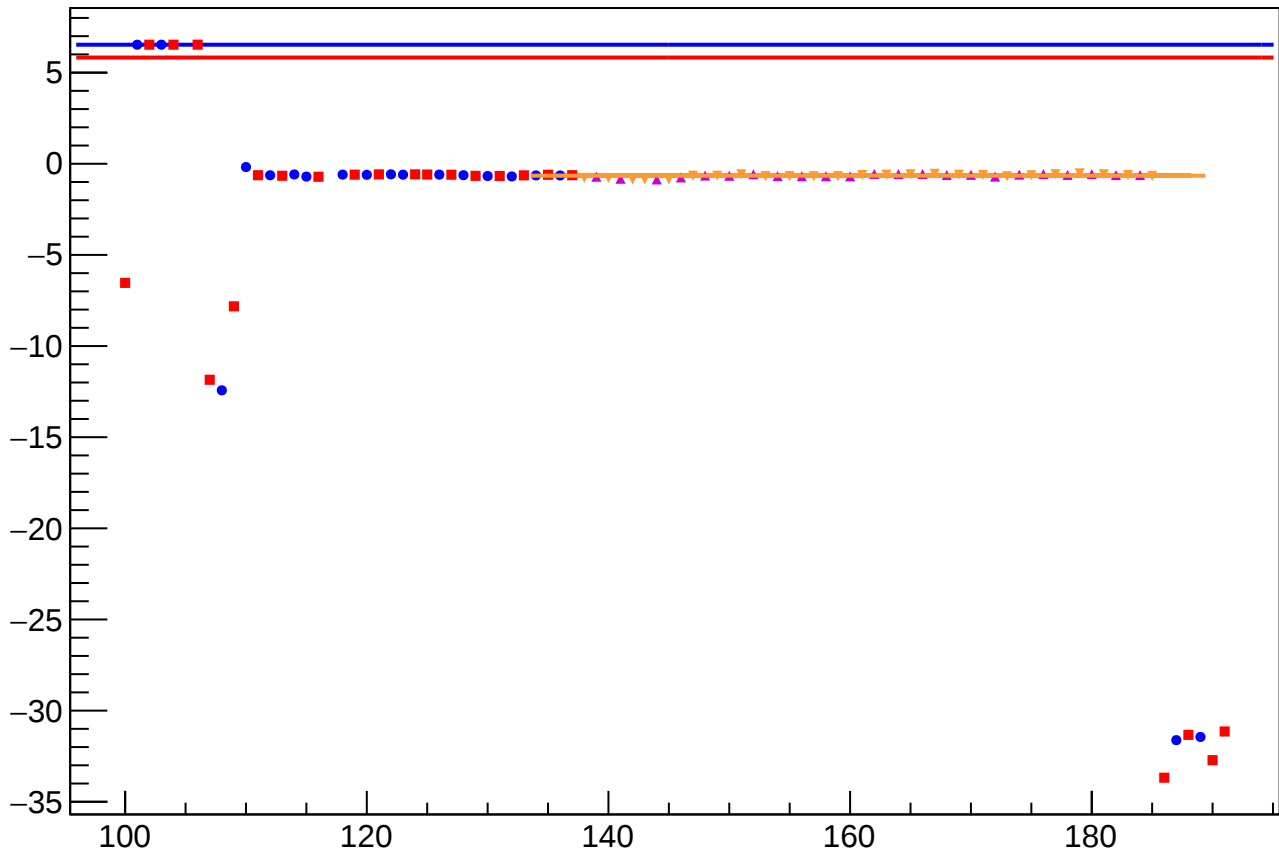
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 755962080985175.2/22

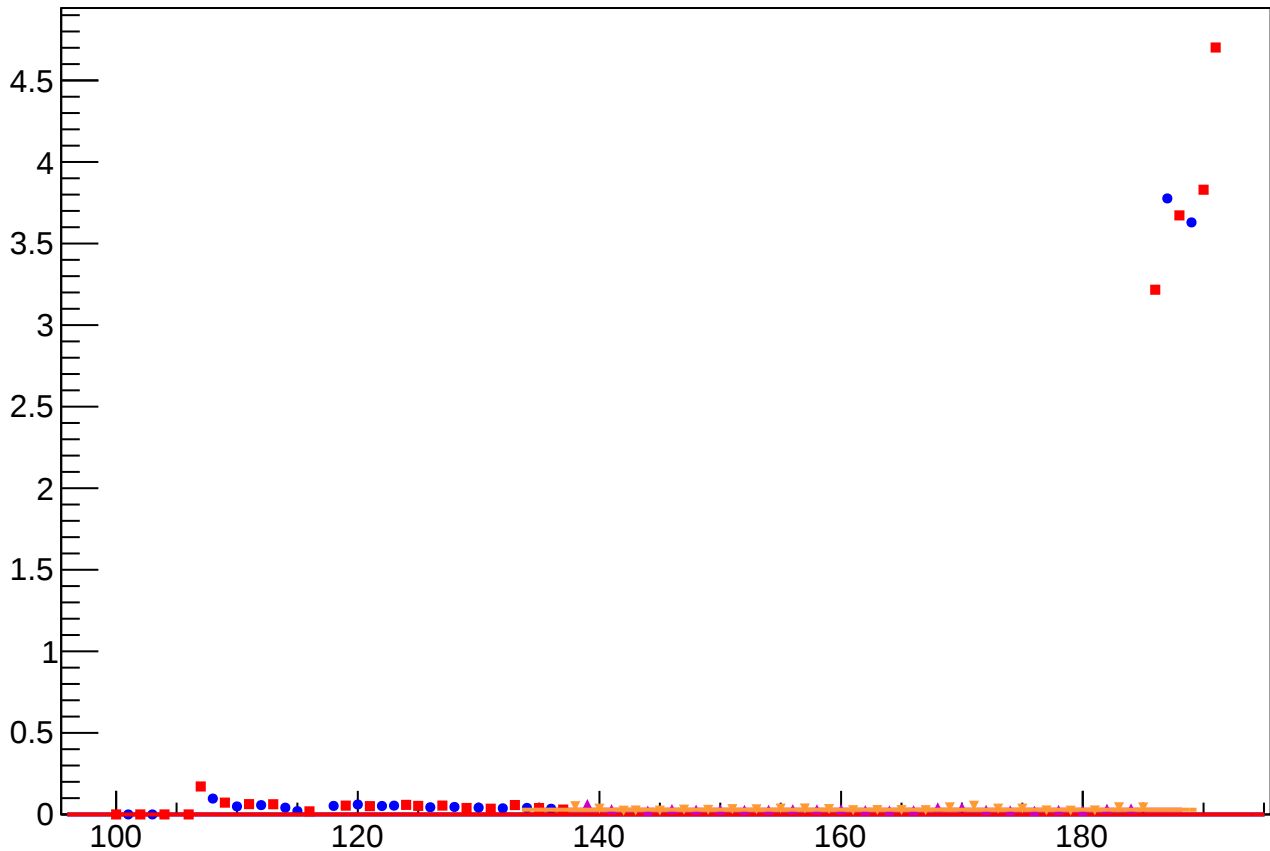
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001500452645.1/43

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762713877023

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640544134851.9/22

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9947577.5/18

Left Out: 0.029+/-0.000 χ^2/NDF : 1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12912719.2/22

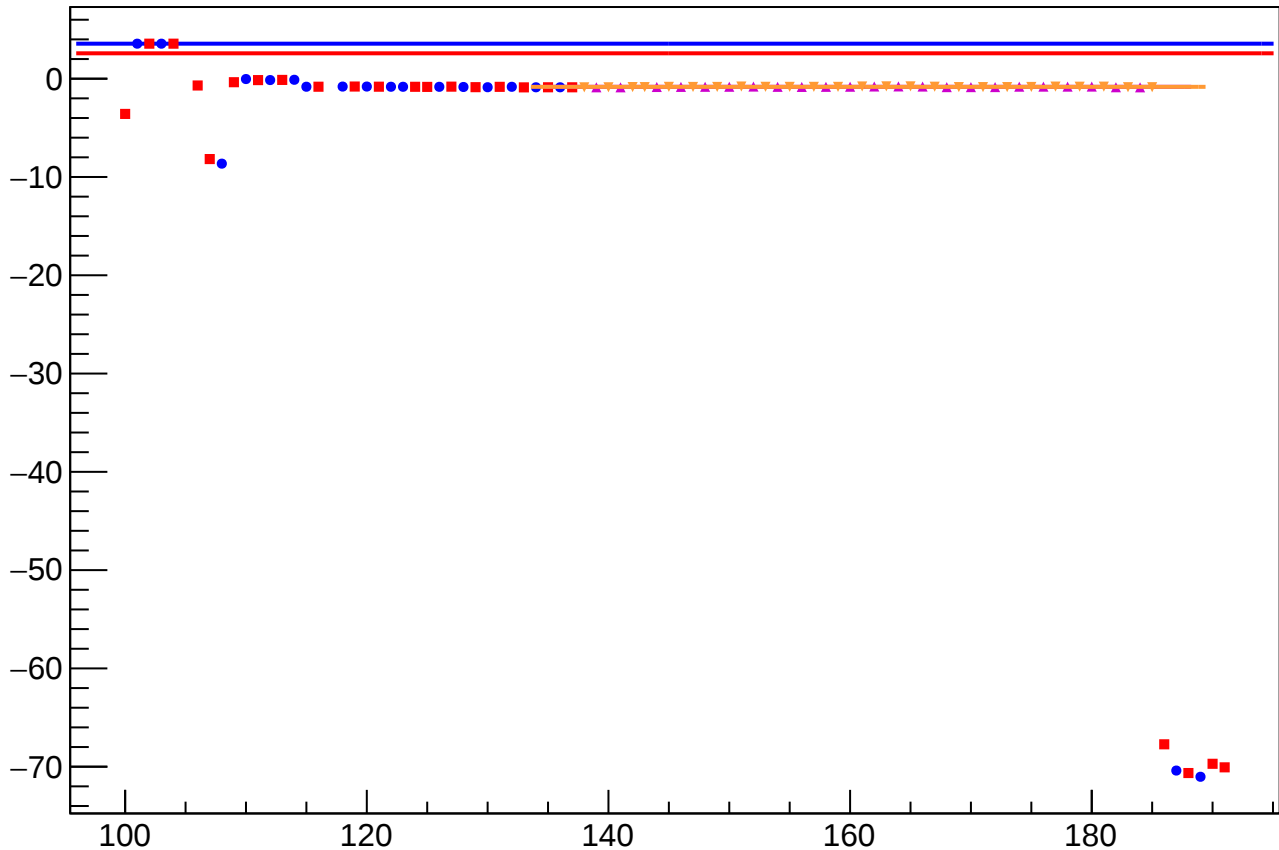
Left In: 0.029+/-0.000 χ^2/NDF : 1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 39911354.6/43

All: 0.000+/-0.000 χ^2/NDF : 81006598.2/89

- sign 0.000+/-0.000 χ^2/NDF : 41094576.1/45

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 480884326821.9/18

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

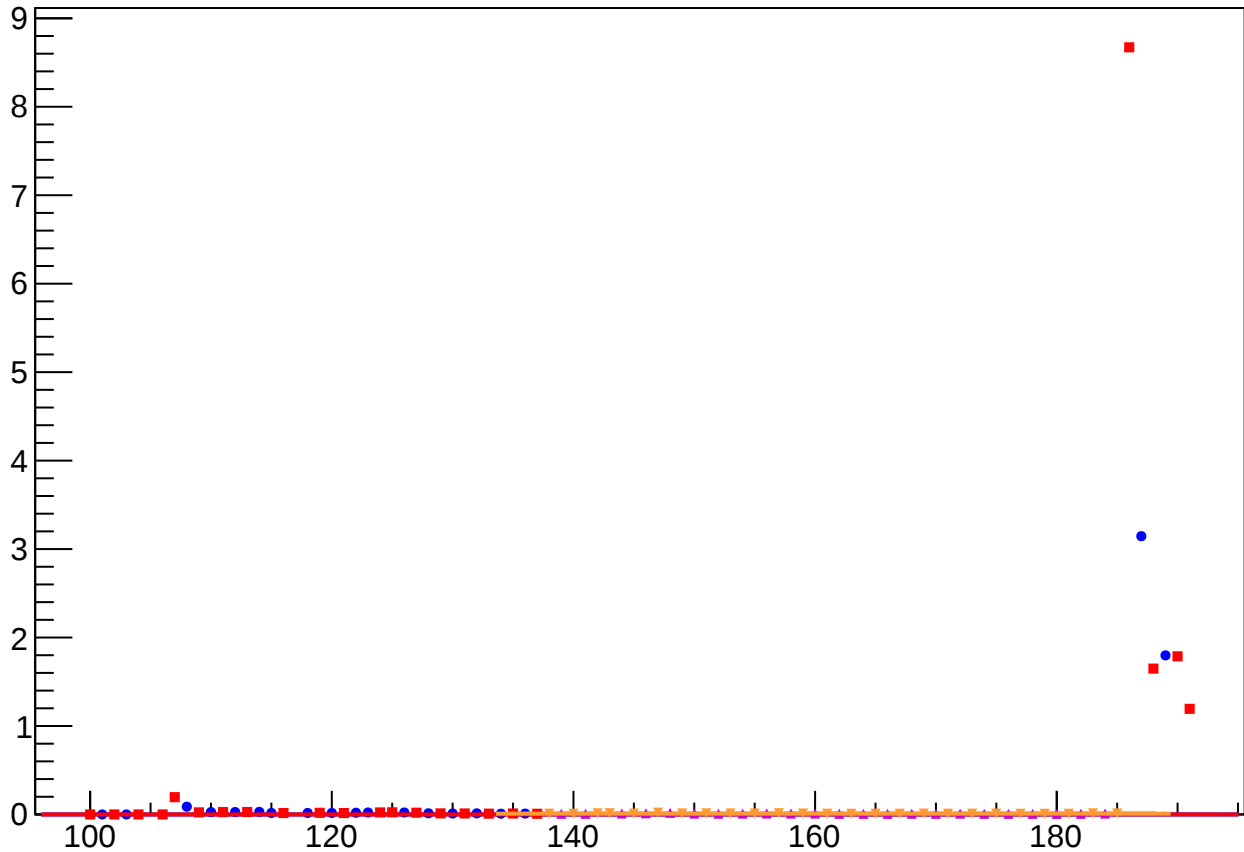
+ sign 3.560+/-0.000 χ^2/NDF : 4177333432068.3/43

Right Out: 2.583+/-0.000 χ^2/NDF : 1253504136354377.5/22 All: 3.038+/-0.000 χ^2/NDF : 13879807117258

- sign 2.581+/-0.000 χ^2/NDF : 1255725231475631.2

Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

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 : 13096126.3/22

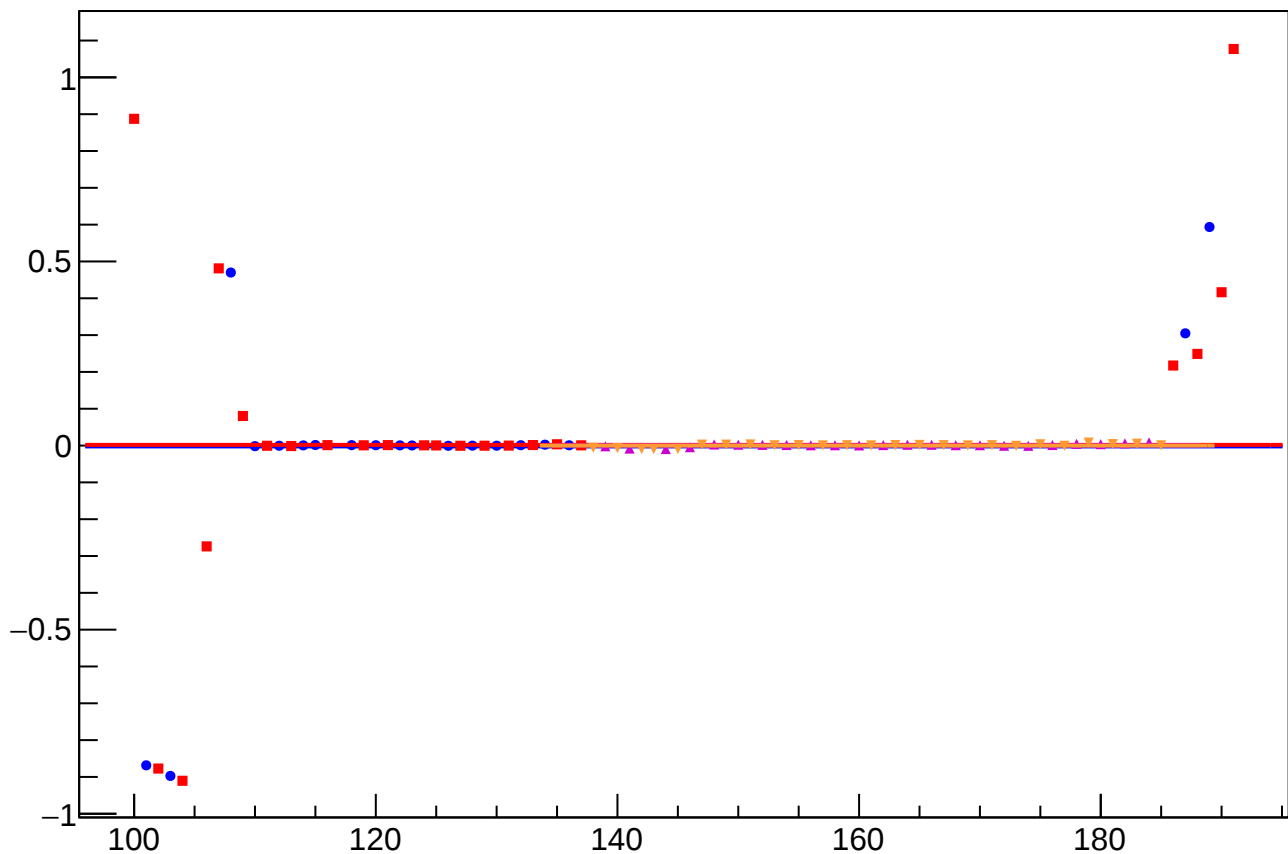
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 42256384.5/43

All: 0.000+/-0.000 χ^2/NDF : 85160296.8/89

- sign 0.000+/-0.000 χ^2/NDF : 42902835.2/45

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 : 3041484387.0/22

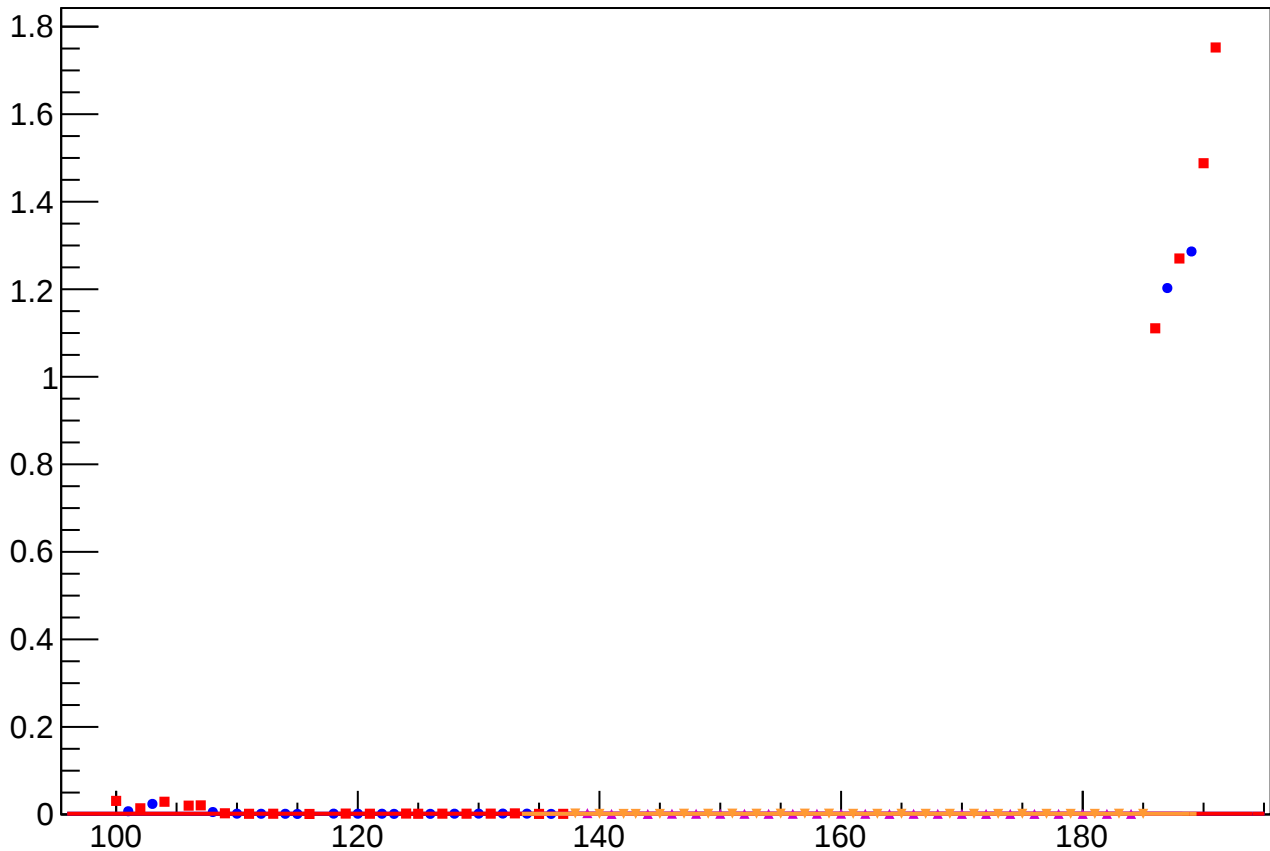
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9953502306.2/43

All: 0.000 ± 0.000 χ^2/NDF : 13105980970.0/8

- sign 0.001 ± 0.000 χ^2/NDF : 3144927657.9/45

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 : 6585006.4/22

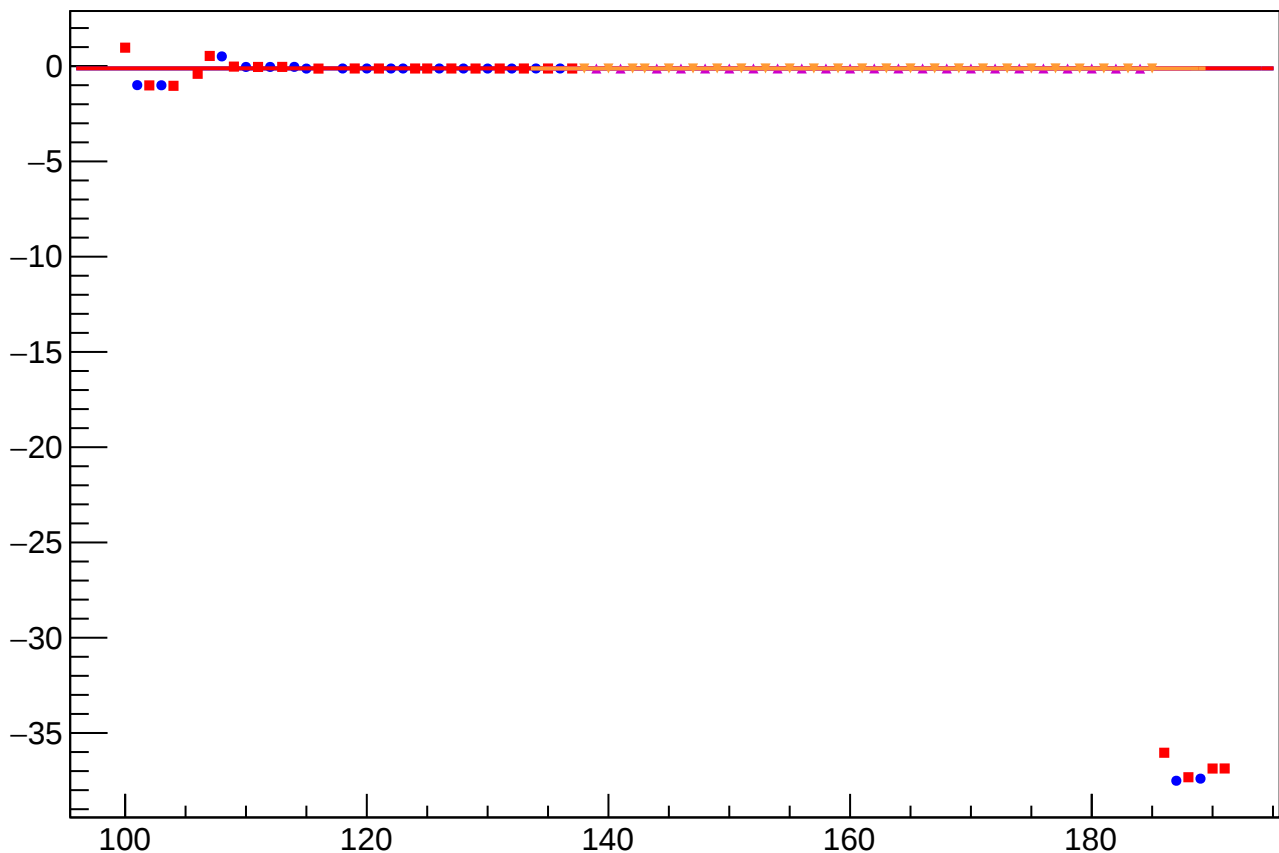
Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 3616731.7/43

All: 0.002+/-0.000 χ^2/NDF : 10977443.9/89

- sign 0.002+/-0.000 χ^2/NDF : 7352813.2/45

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: -0.116+/-0.000 χ^2/NDF : 10500583203.7/22

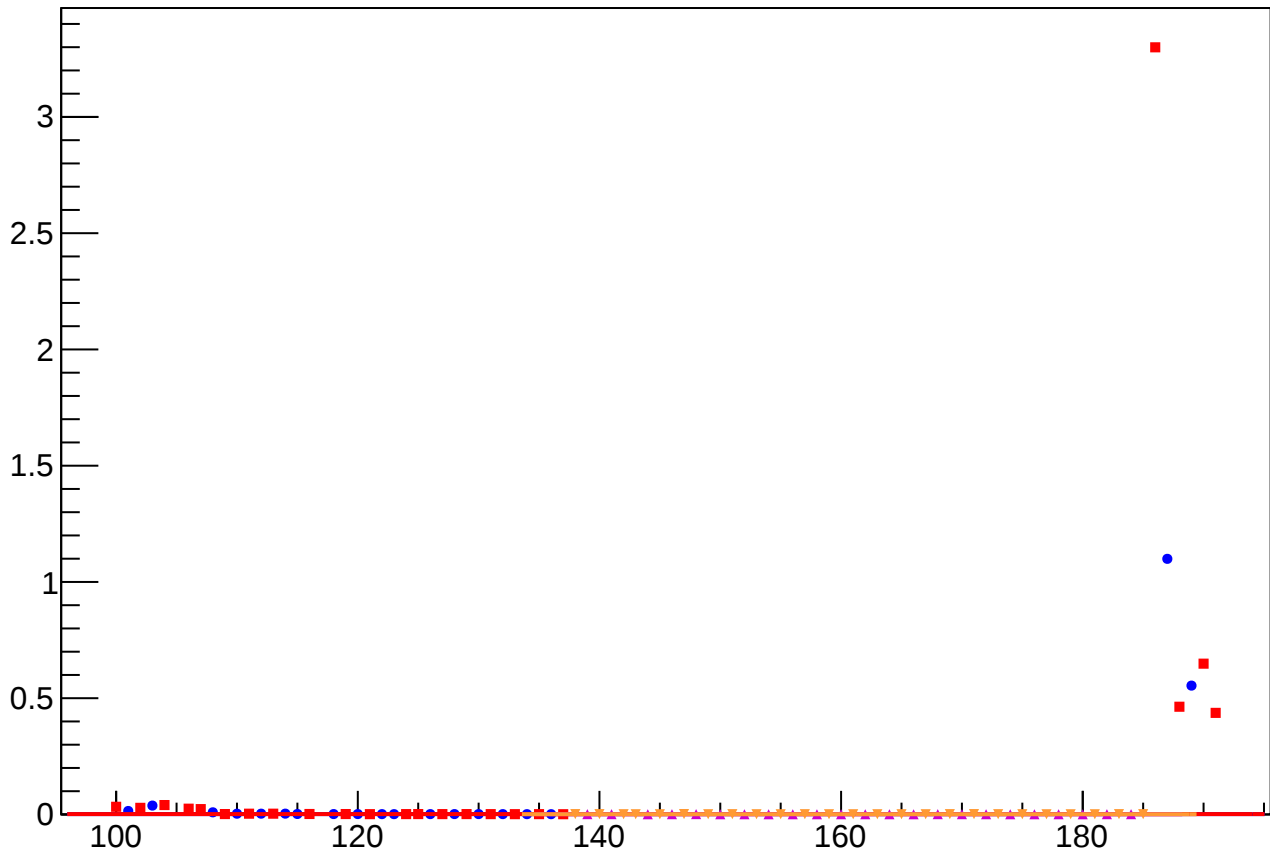
Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

+ sign -0.121+/-0.000 χ^2/NDF : 5909244498.1/43

All: -0.121+/-0.000 χ^2/NDF : 16516620093.5/45

- sign -0.120+/-0.000 χ^2/NDF : 10603390249.9/45

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 : 6990006.0/22

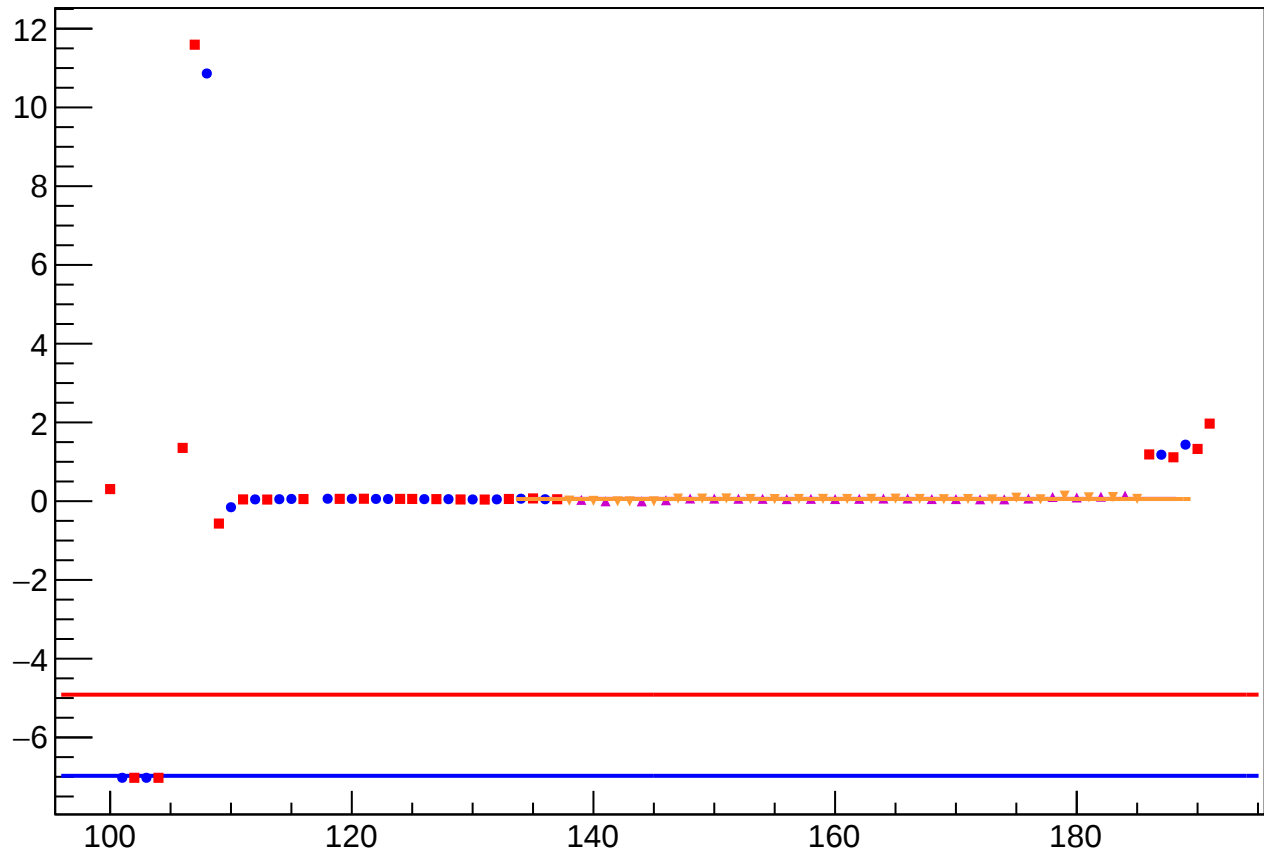
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 6473882.7/43

All: 0.001+/-0.000 χ^2/NDF : 15547861.7/89

- sign 0.001+/-0.000 χ^2/NDF : 9071948.9/45

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 : 365348582984091.8/22

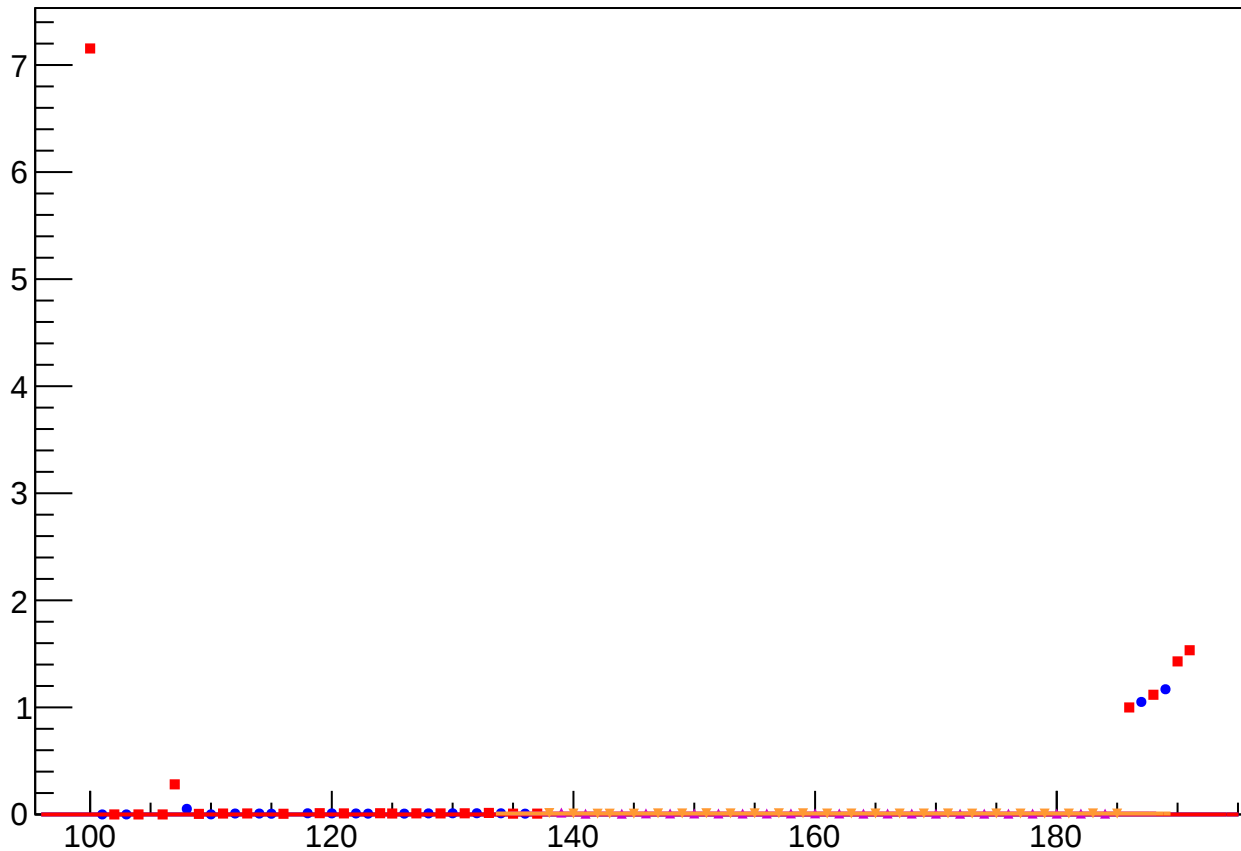
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417468862559.2/18

All: -5.858 ± 0.000 χ^2/NDF : 4435812459429.2/18

- sign -4.882 ± 0.000 χ^2/NDF : 369770874595369.5/18

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9316884.8/18

Left Out: 0.009+/-0.000 χ^2/NDF :513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12327006.2/22

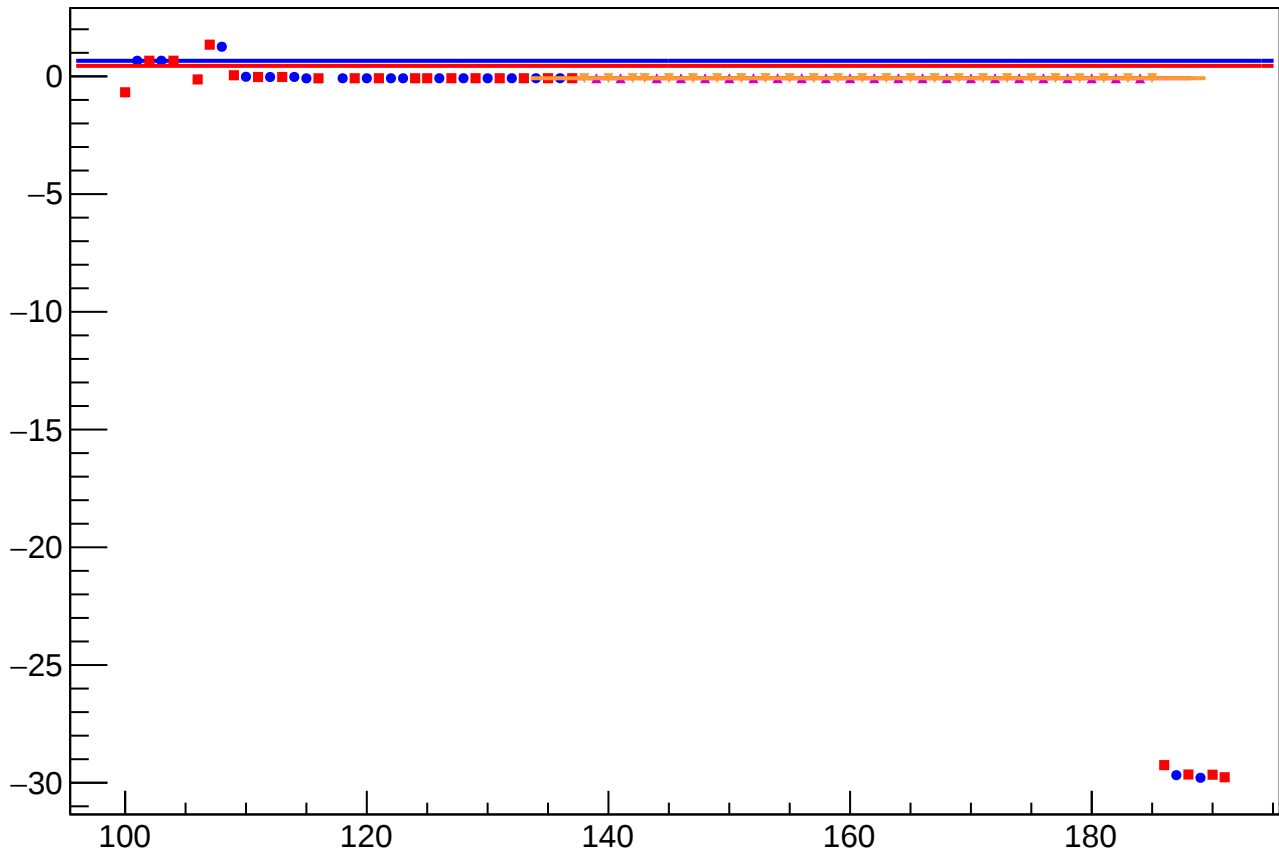
Left In: 0.009+/-0.000 χ^2/NDF :636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 38304862.8/43

All: 0.000+/-0.000 χ^2/NDF : 78310638.0/89

- sign 0.000+/-0.000 χ^2/NDF : 40001328.2/45

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 : 405424648288963.5/22

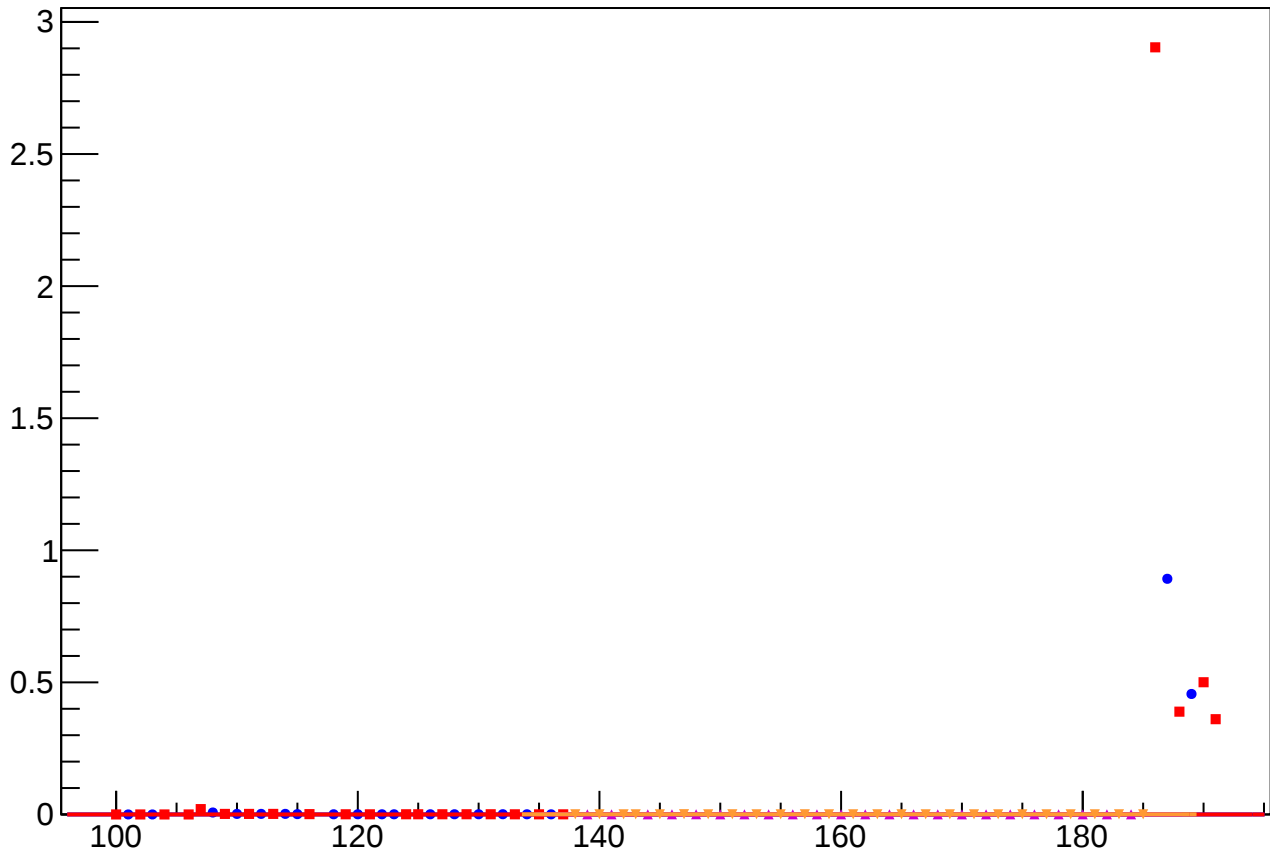
Left In: -0.077+/-0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646+/-0.000 χ^2/NDF : 35754602705406.3/4

All: 0.537+/-0.000 χ^2/NDF : 5159910403604

- sign 0.437+/-0.000 χ^2/NDF : 419656196192756.3/4

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 : 12957986.5/22

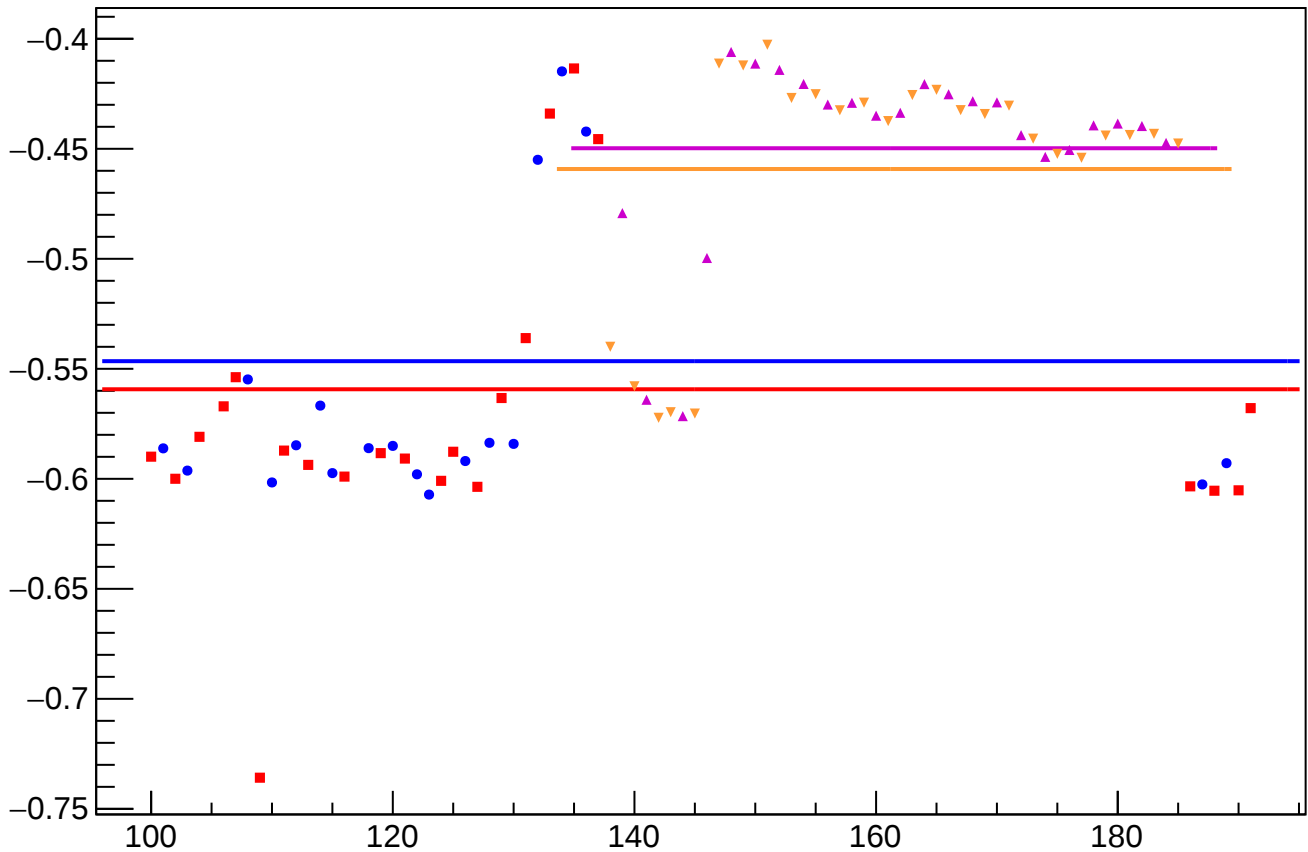
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 43563697.0/43

All: 0.000+/-0.000 χ^2/NDF : 87565909.7/89

- sign 0.000+/-0.000 χ^2/NDF : 43995072.0/45

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 : 65161867.0/22

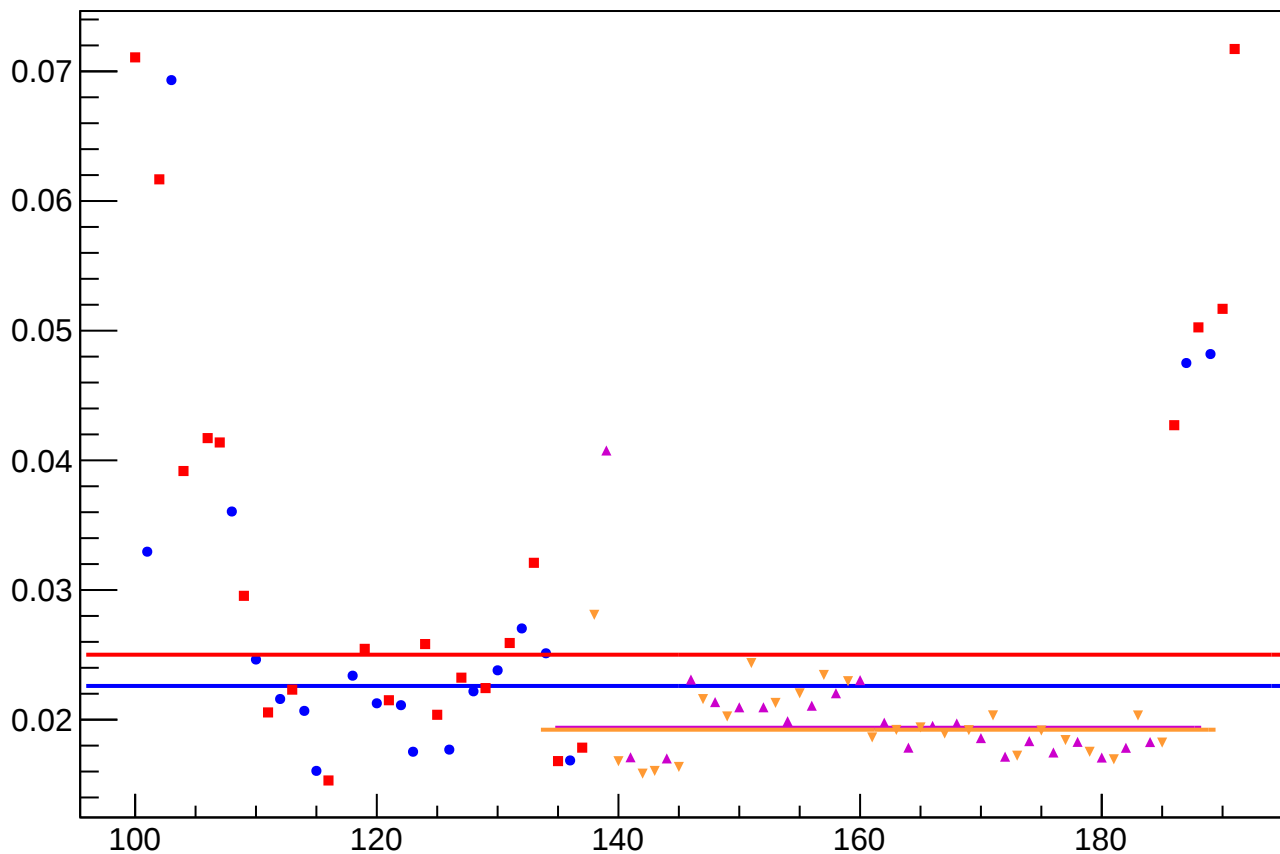
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.477+/-0.000 χ^2/NDF : 224815414.3/43

All: -0.476+/-0.000 χ^2/NDF : 465026195.3/89

- sign -0.474+/-0.000 χ^2/NDF : 239888408.8/45

yield_bpm4aX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 1268842.7/18

Left Out: 0.019+/-0.000 χ^2/NDF : 501253.7/24

Right Out: 0.025+/-0.000 χ^2/NDF : 2149377.2/22

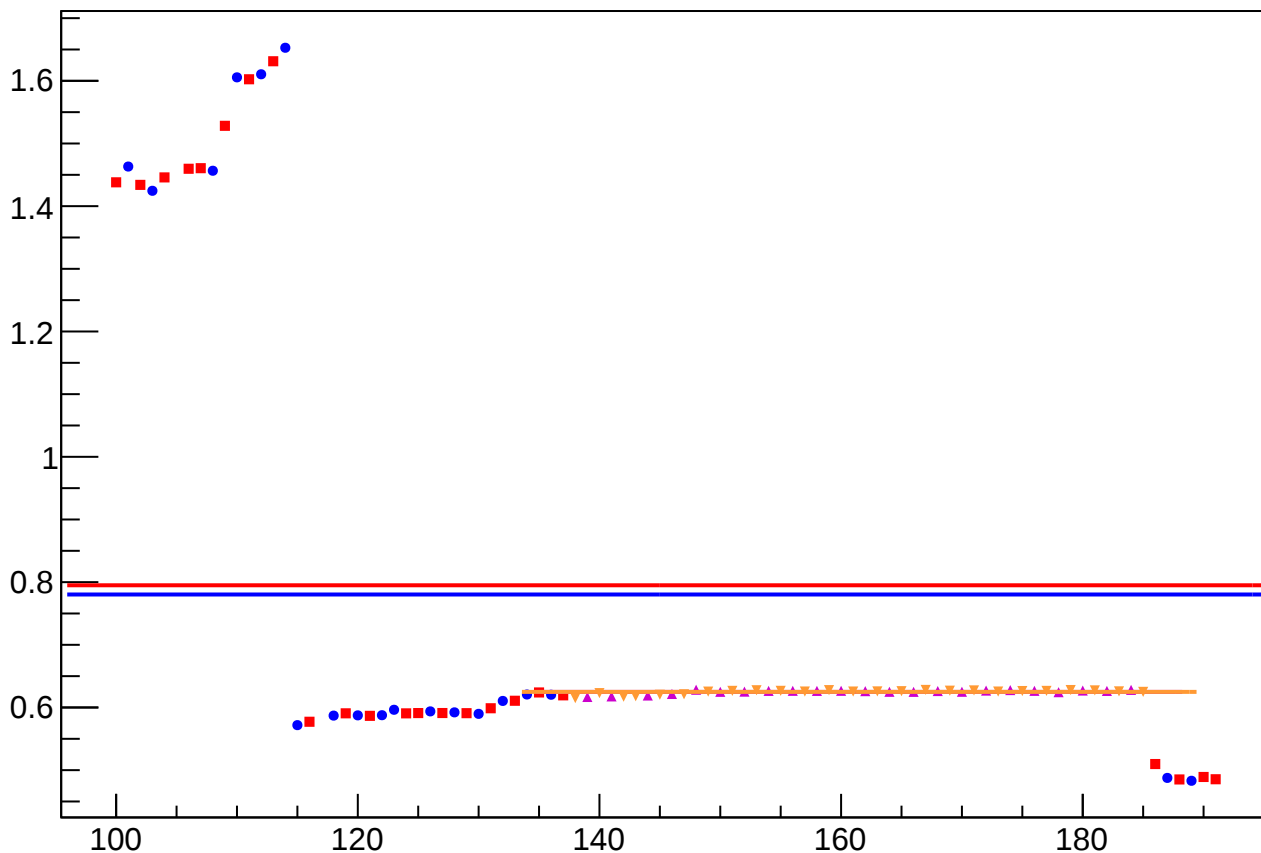
Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

+ sign 0.020+/-0.000 χ^2/NDF : 1961467.4/43

All: 0.020+/-0.000 χ^2/NDF : 5311494.1/89

- sign 0.021+/-0.000 χ^2/NDF : 3326933.7/45

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: 0.795 $\pm$ 0.000 χ^2 /NDF: 4531777728.2/22

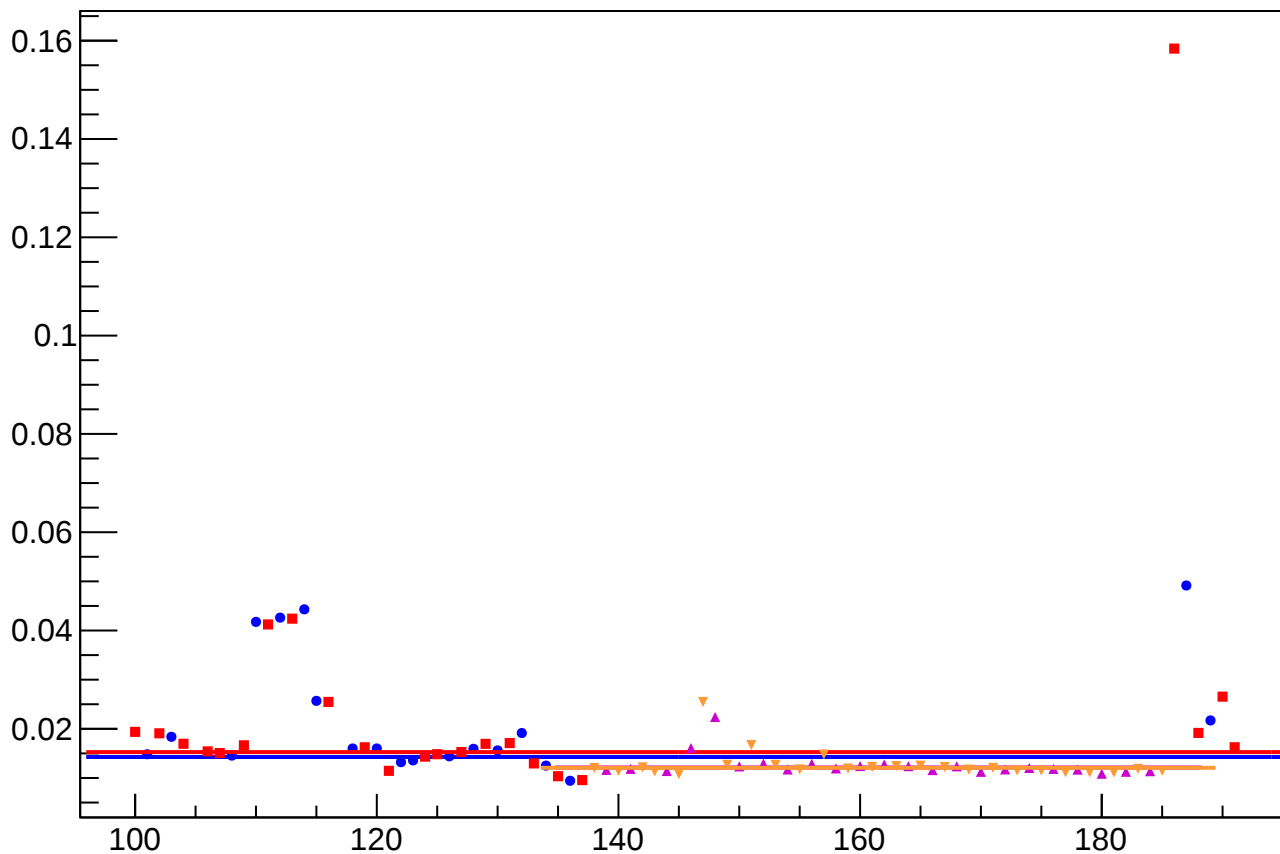
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.655 $\pm$ 0.000 χ^2 /NDF: 4220778400.0/43

All: 0.658 $\pm$ 0.000 χ^2 /NDF: 9469521730.2/89

- sign 0.661 $\pm$ 0.000 χ^2 /NDF: 5245827996.7/45

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: 2034286.9/22

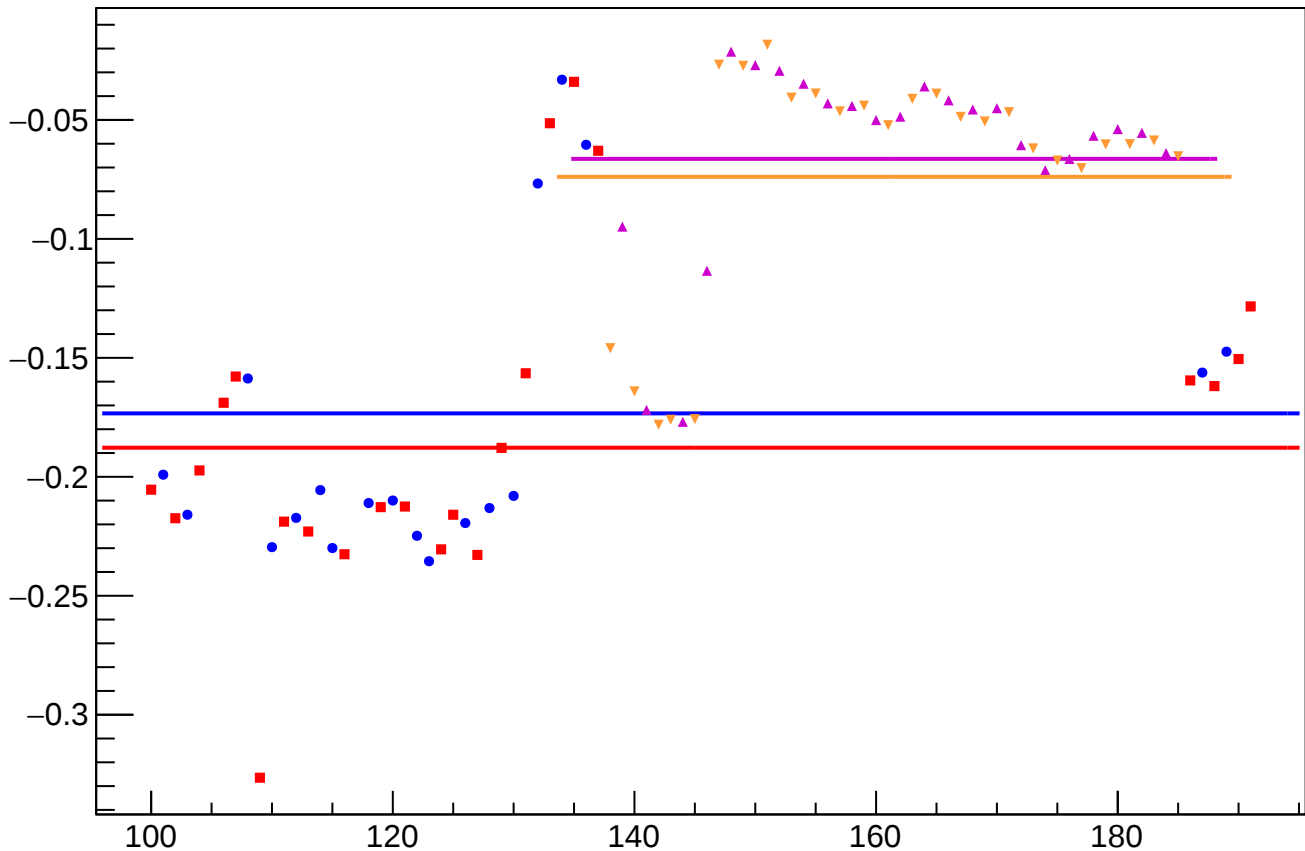
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2511926.3/43

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5530140.1/89

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3004156.8/45

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 : 82126012.2/22

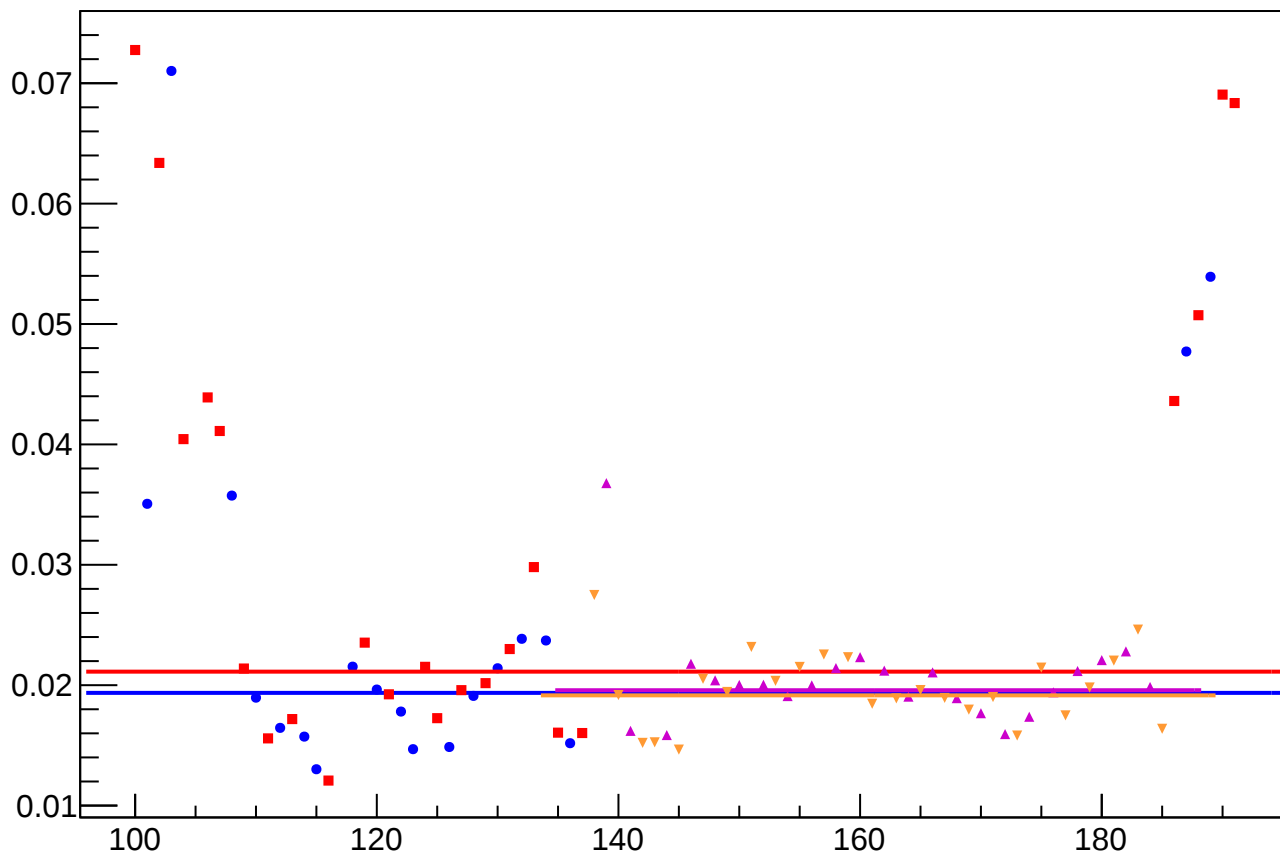
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.099+/-0.000 χ^2/NDF : 278302177.8/43

All: -0.099+/-0.000 χ^2/NDF : 587217108.1/89

- sign -0.099+/-0.000 χ^2/NDF : 308912710.5/45

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: 2843893.2/22

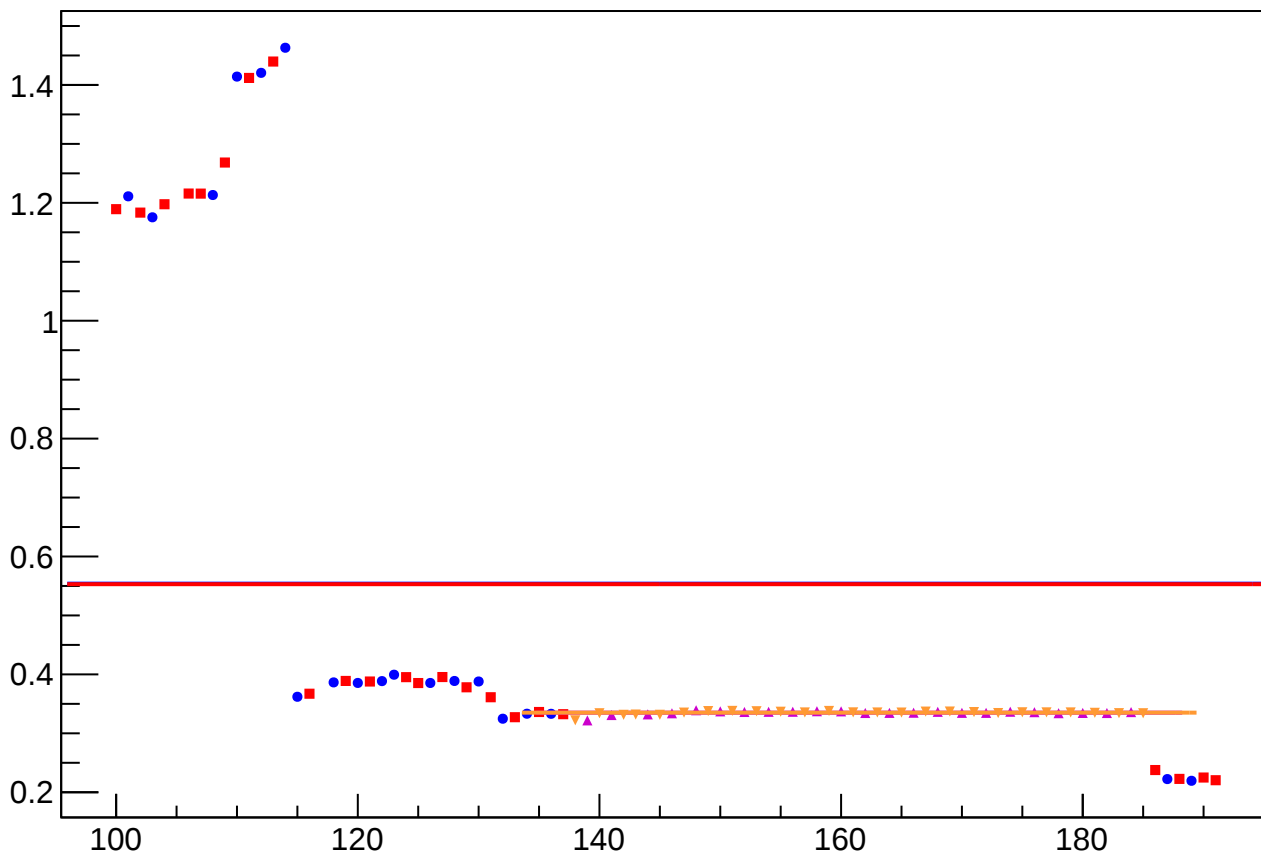
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 651328.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2290213.4/43

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 5867727.9/89

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 3543912.9/45

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: 0.553+/-0.000 χ^2/NDF : 6274921556.4/22

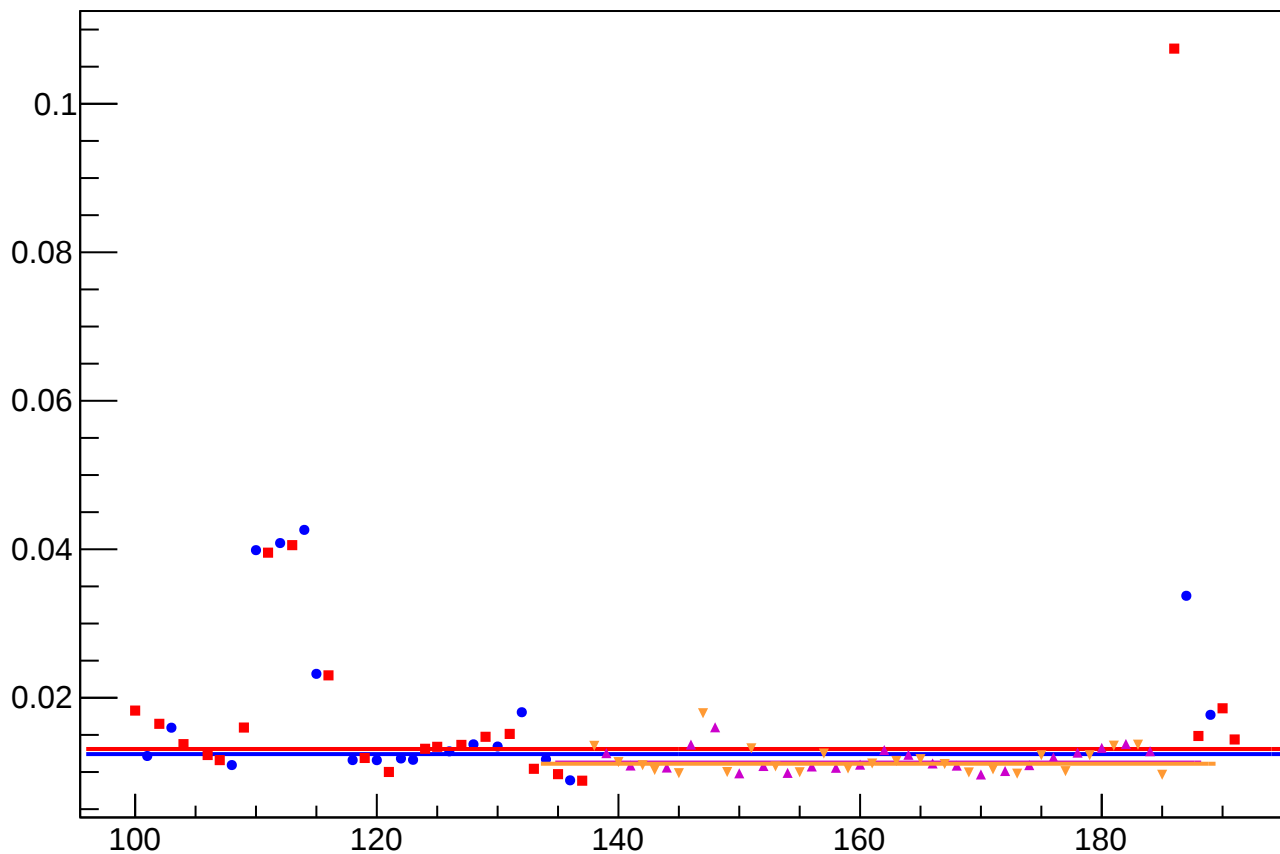
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.382+/-0.000 χ^2/NDF : 6662429817.5/43

All: 0.385+/-0.000 χ^2/NDF : 14467781602.1/8

- sign 0.389+/-0.000 χ^2/NDF : 7802134795.5/45

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1492791.4/18

Left Out: 0.011+/-0.000 χ^2/NDF : 608235.7/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1913947.8/22

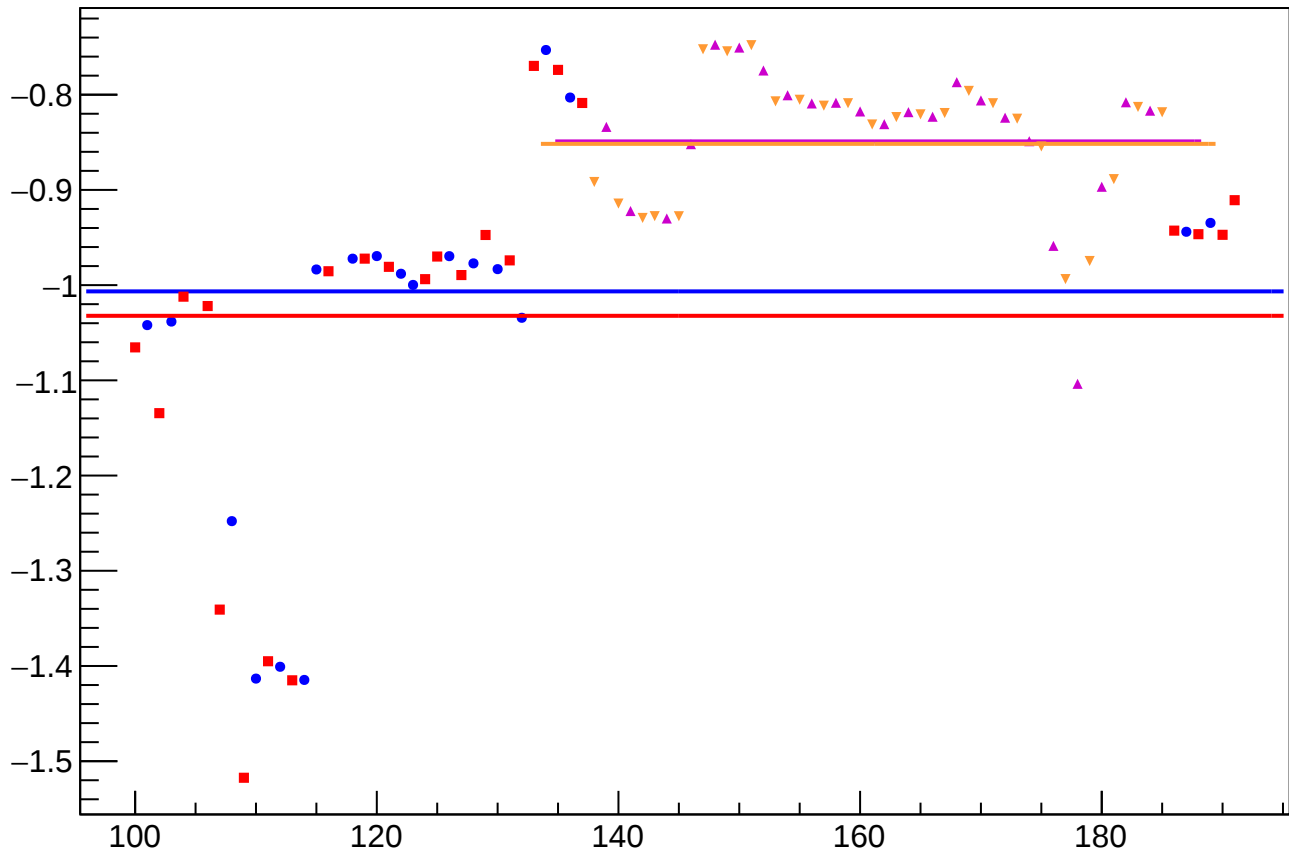
Left In: 0.011+/-0.000 χ^2/NDF : 502226.7/22

+ sign 0.011+/-0.000 χ^2/NDF : 2204557.9/43

All: 0.012+/-0.000 χ^2/NDF : 4854324.8/89

- sign 0.012+/-0.000 χ^2/NDF : 2630983.9/45

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: -1.032 ± 0.000 χ^2/NDF : 540805933.2/22

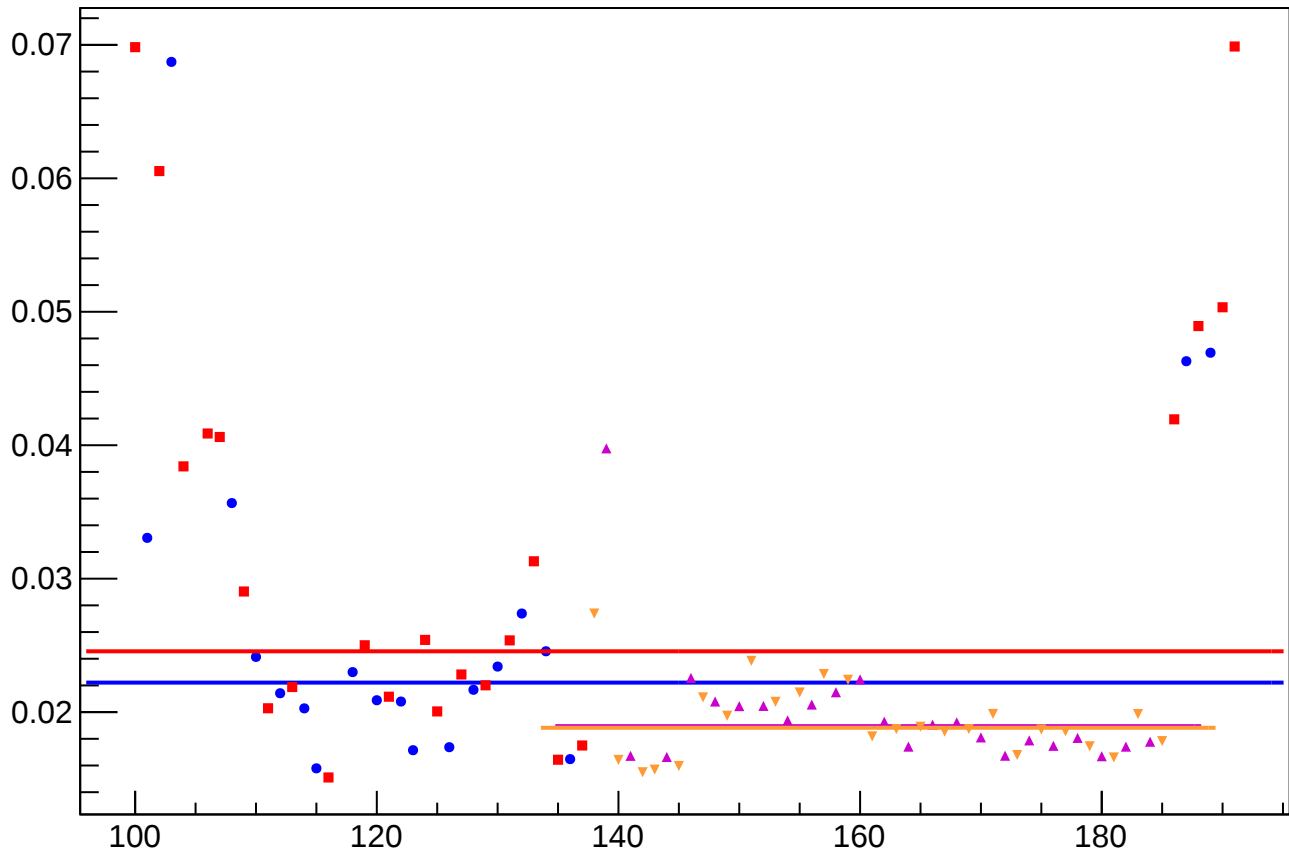
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792392114.6/43

All: -0.886 ± 0.000 χ^2/NDF : 1876510668.5/8

- sign -0.889 ± 0.000 χ^2/NDF : 1083423147.0/45

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: 0.025 ± 0.000 χ^2/NDF : 2134079.8/22

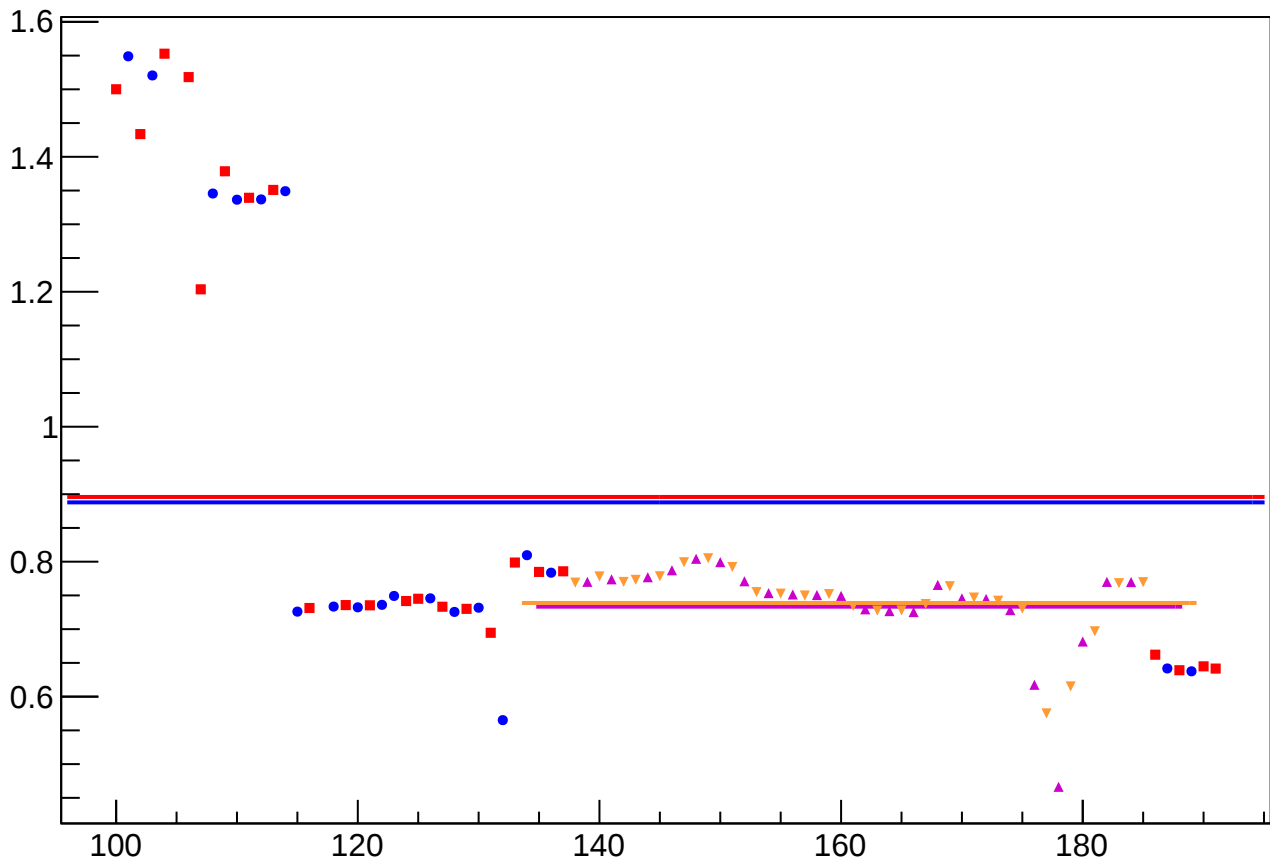
Left In: 0.019 ± 0.000 χ^2/NDF : 645048.1/22

+ sign 0.020 ± 0.000 χ^2/NDF : 1978435.4/43

All: 0.020 ± 0.000 χ^2/NDF : 5315349.1/89

- sign 0.020 ± 0.000 χ^2/NDF : 3315694.1/45

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

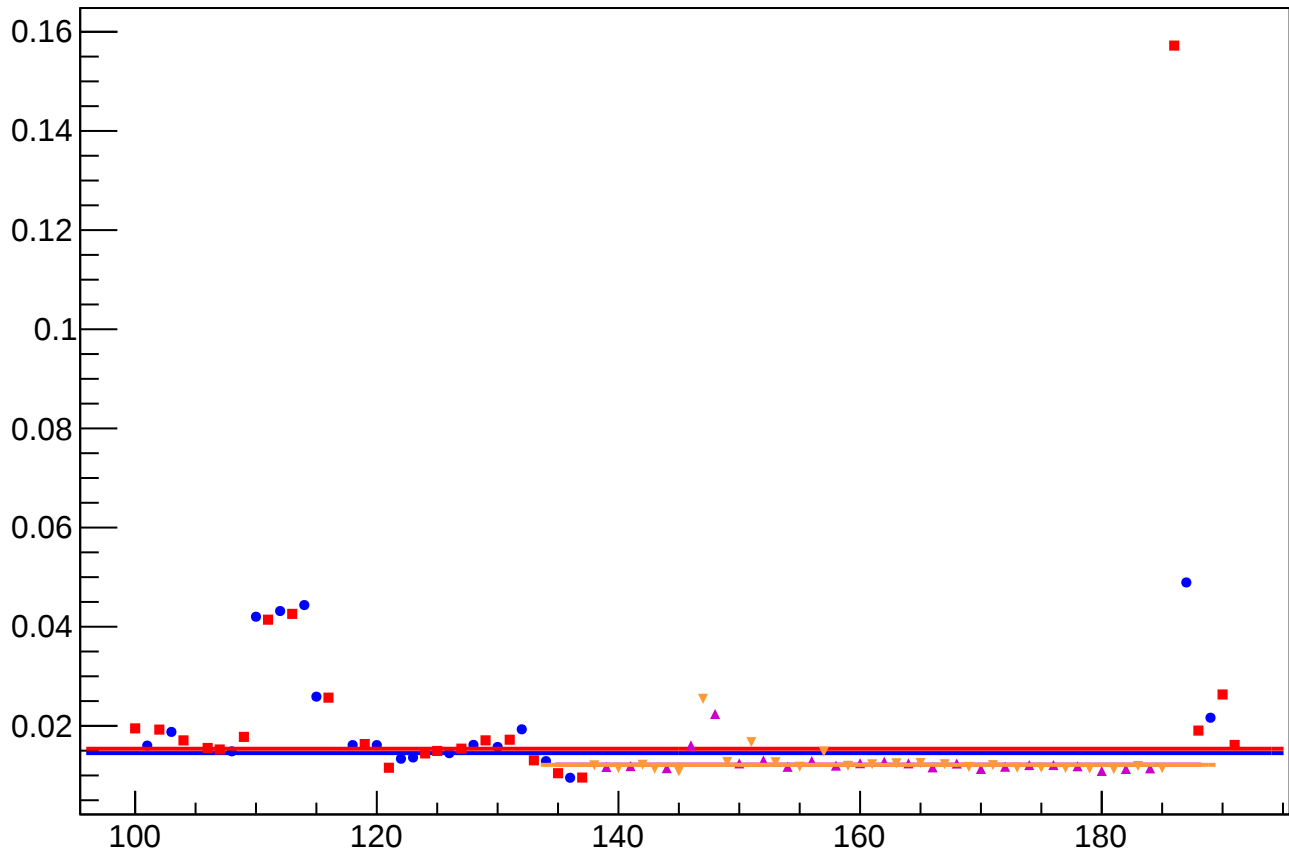
Right Out: 0.896 $\pm$ 0.000 χ^2 /NDF: 2687689209.0/22

All: 0.768 $\pm$ 0.000 χ^2 /NDF: 7186817898.3/89

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

- sign 0.768 $\pm$ 0.000 χ^2 /NDF: 3897834301.5/45

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1627700.9/18

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2028614.8/22

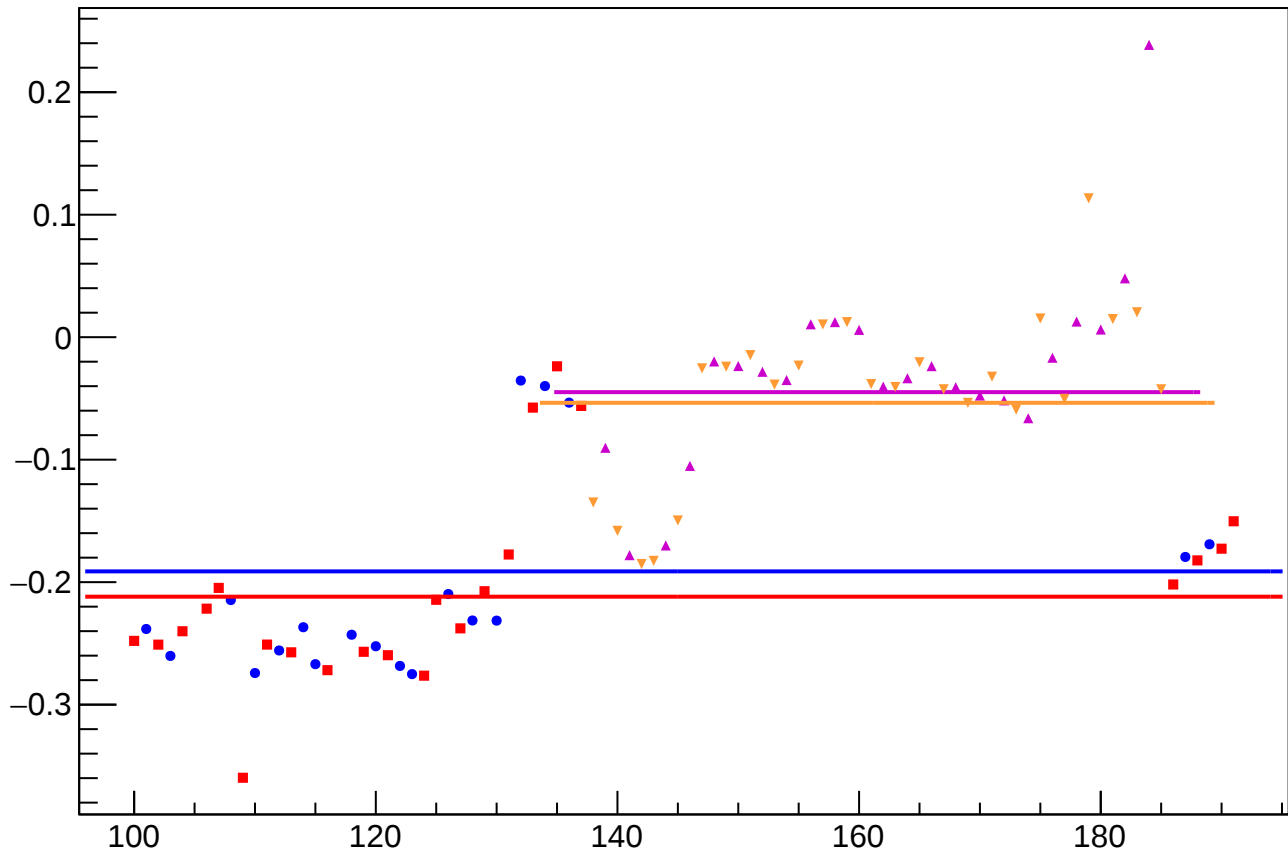
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2521663.6/43

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5538544.9/89

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3005337.6/45

yield_bpm4ecX_mean vs Slug



Right In: -0.191 ± 0.000 $\chi^2/\text{NDF}: 106032611.1/18$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167879648.0/24$

+ sign -0.088 ± 0.000 $\chi^2/\text{NDF}: 467411705.4/43$

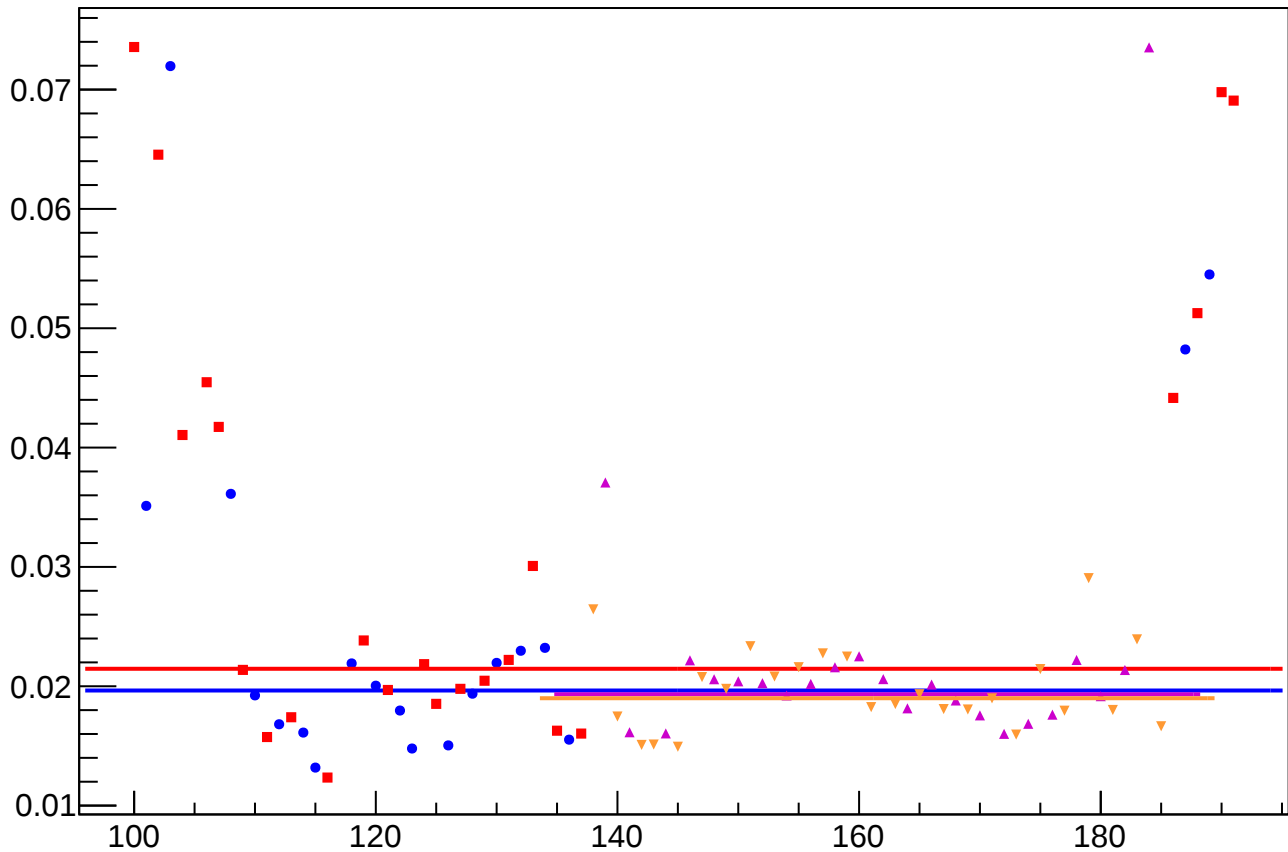
Right Out: -0.212 ± 0.000 $\chi^2/\text{NDF}: 110234774.1/22$

All: -0.089 ± 0.000 $\chi^2/\text{NDF}: 982740136.5/89$

- sign -0.089 ± 0.000 $\chi^2/\text{NDF}: 515289664.9/45$

Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127324000.1/22$

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: 2826630.2/22

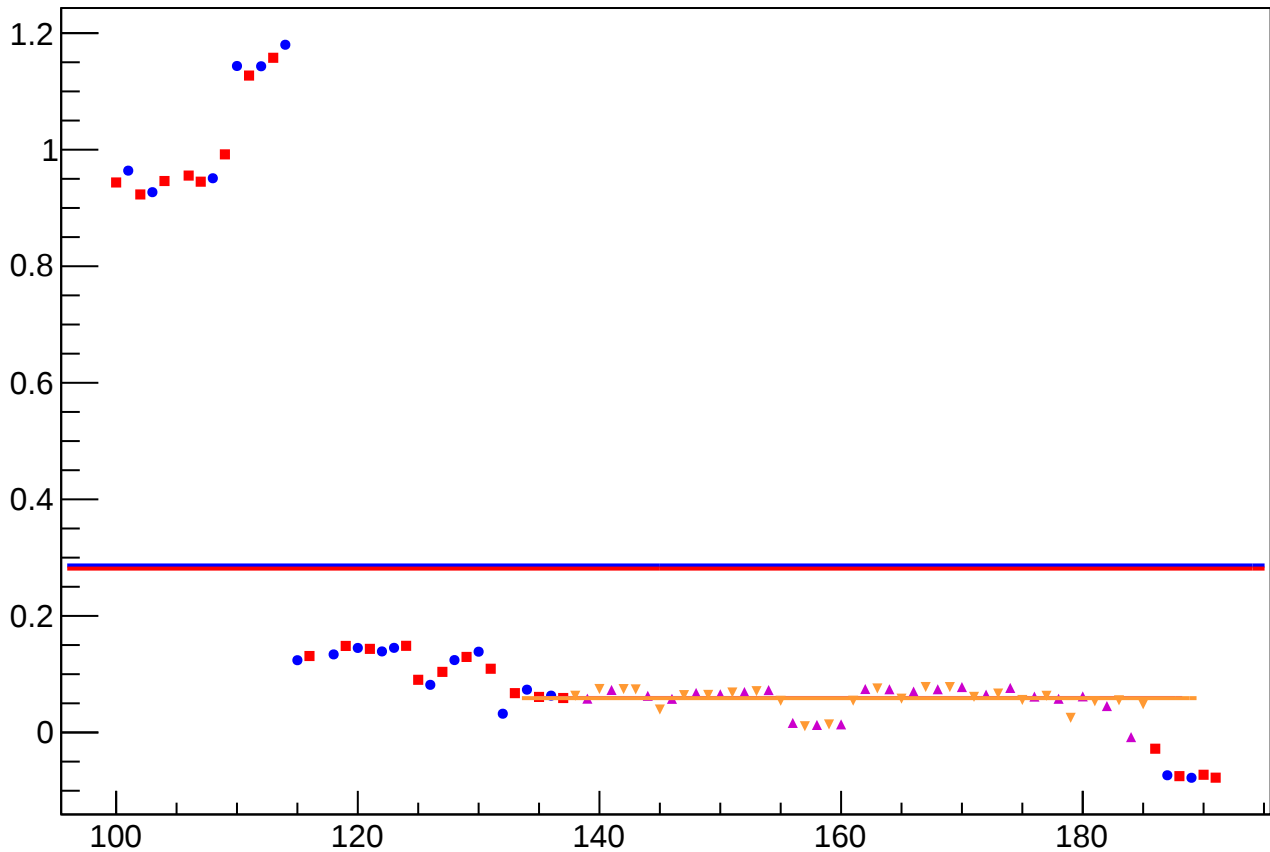
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 892810.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2325267.6/43

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 6164223.0/89

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 3810176.5/45

yield_bpm4ecY_mean vs Slug



Right In: 0.287+/-0.000 χ^2/NDF : 5373422617.0/18

Left Out: 0.059+/-0.000 χ^2/NDF : 46902918.4/24

Right Out: 0.281+/-0.000 χ^2/NDF : 6377747887.9/22

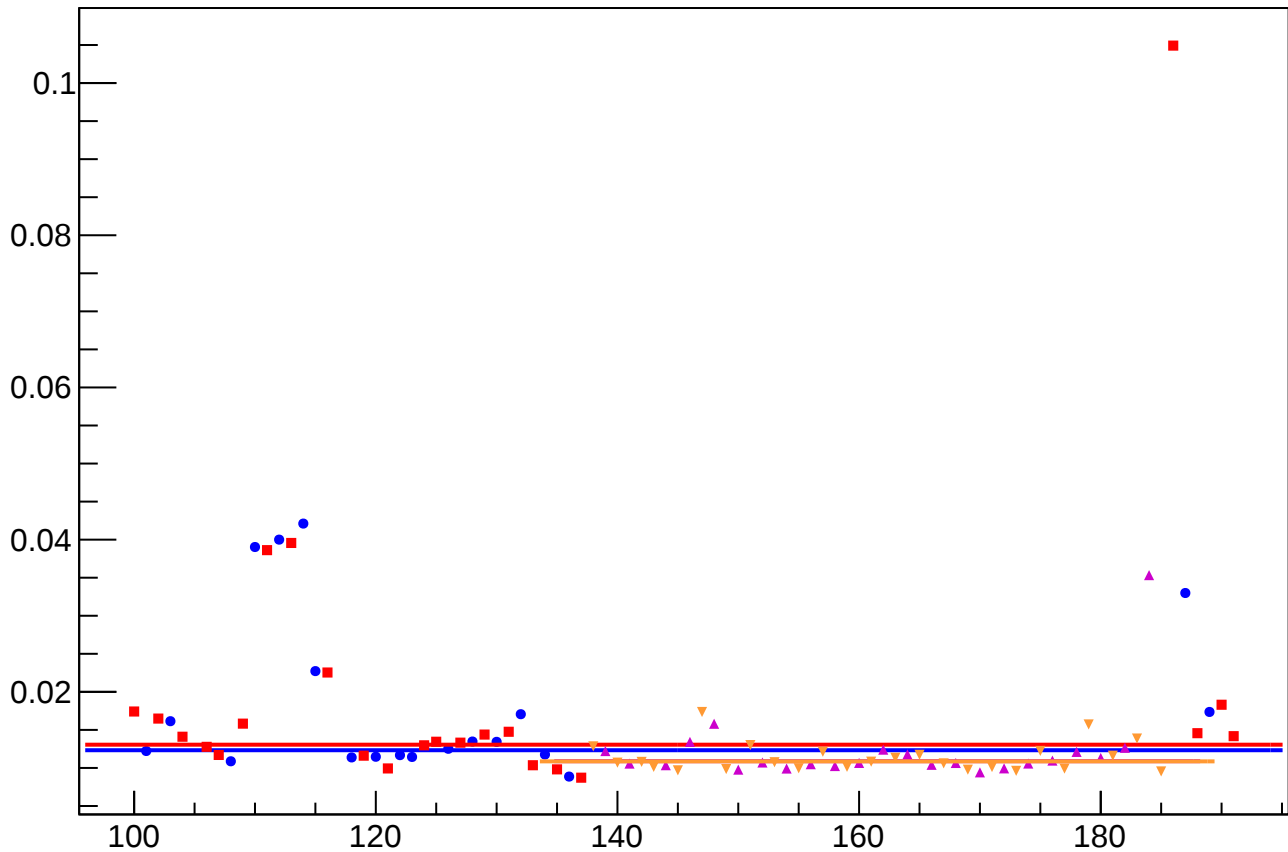
Left In: 0.059+/-0.000 χ^2/NDF : 58640898.5/22

+ sign 0.108+/-0.000 χ^2/NDF : 7037189367.6/43

All: 0.110+/-0.000 χ^2/NDF : 15085168545.8/8

- sign 0.112+/-0.000 χ^2/NDF : 8046511554.9/45

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: 1869097.5/22

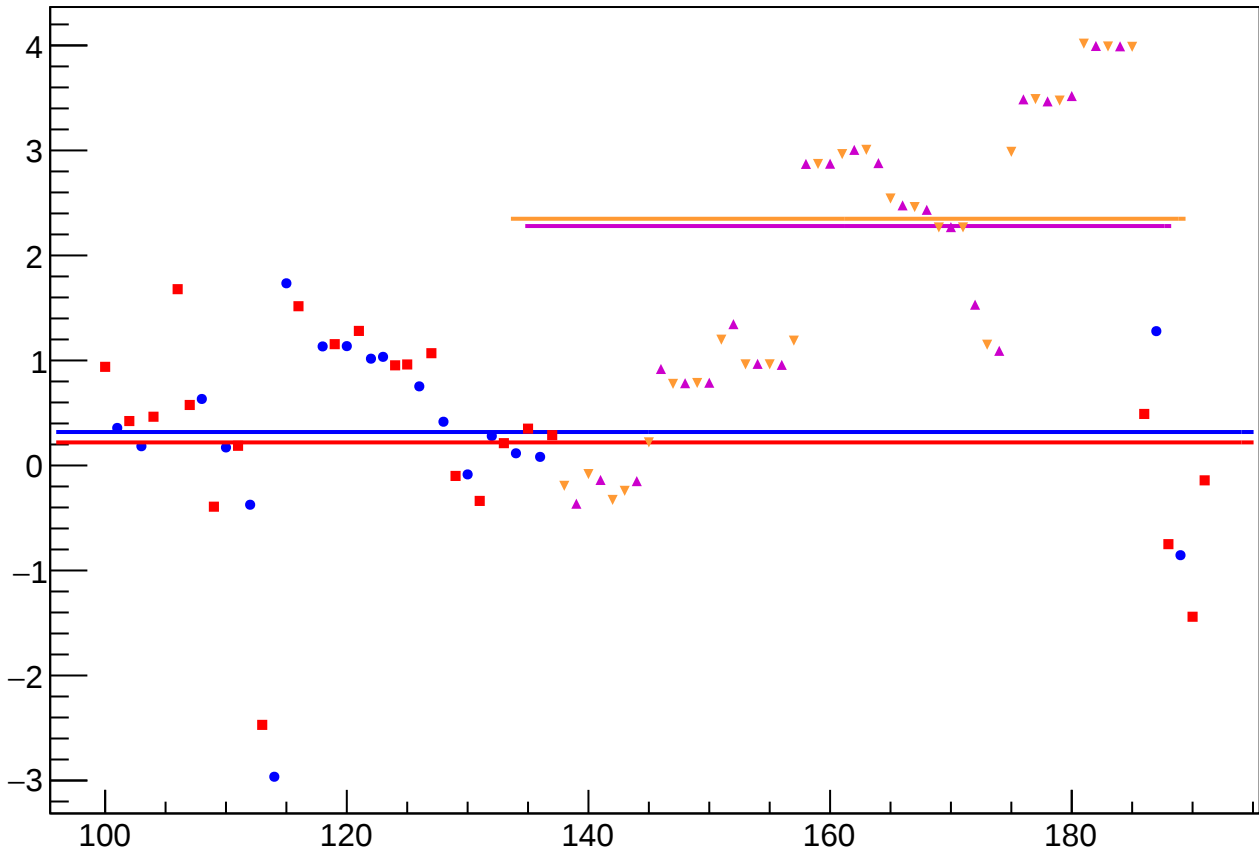
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:529867.3/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2198301.5/43

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4912481.4/89

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2704800.9/45

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: 0.220 ± 0.000 χ^2/NDF : 1649980212.7/22

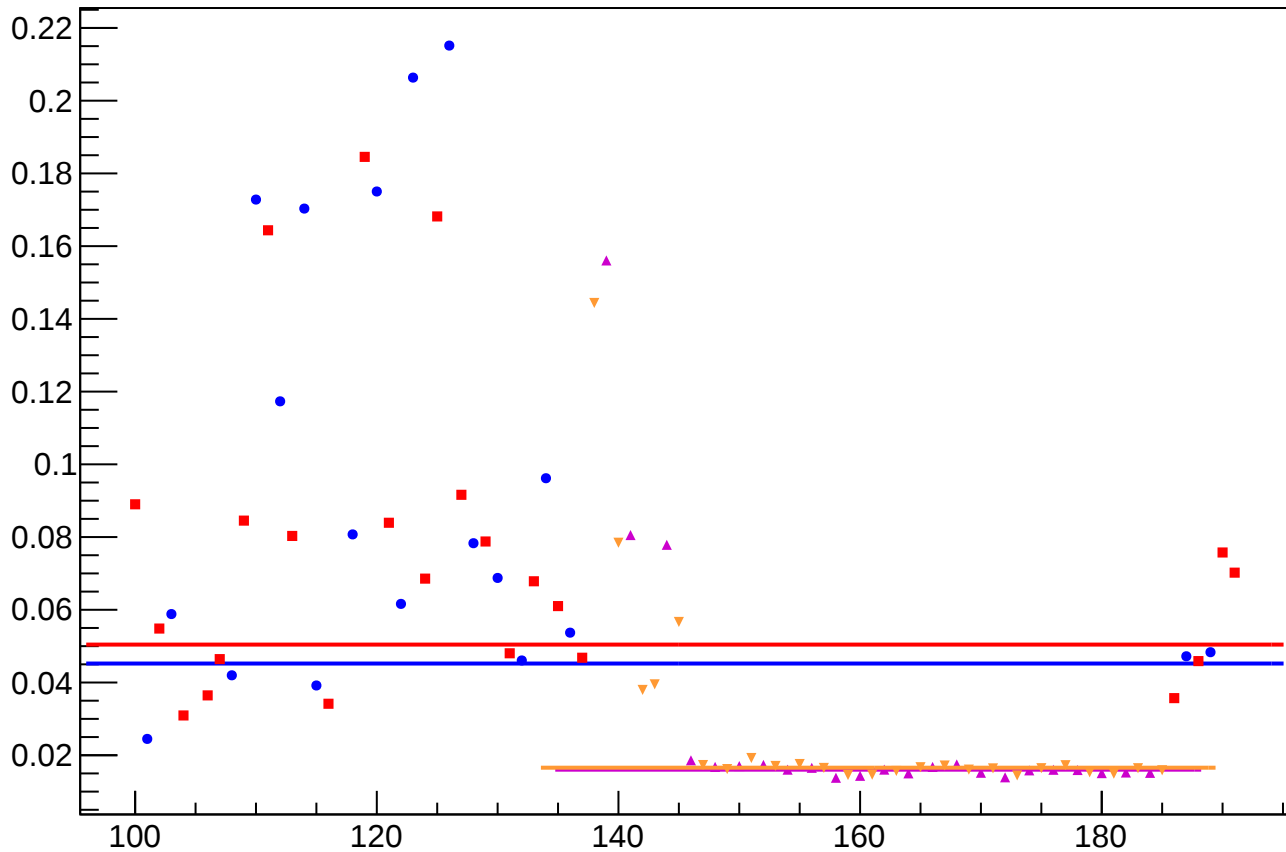
Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

+ sign 2.274 ± 0.000 χ^2/NDF : 71929469044.5/43

All: 2.234 ± 0.000 χ^2/NDF : 144300490599.1

- sign 2.195 ± 0.000 χ^2/NDF : 72203681747.8/45

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: 2431652.4/22

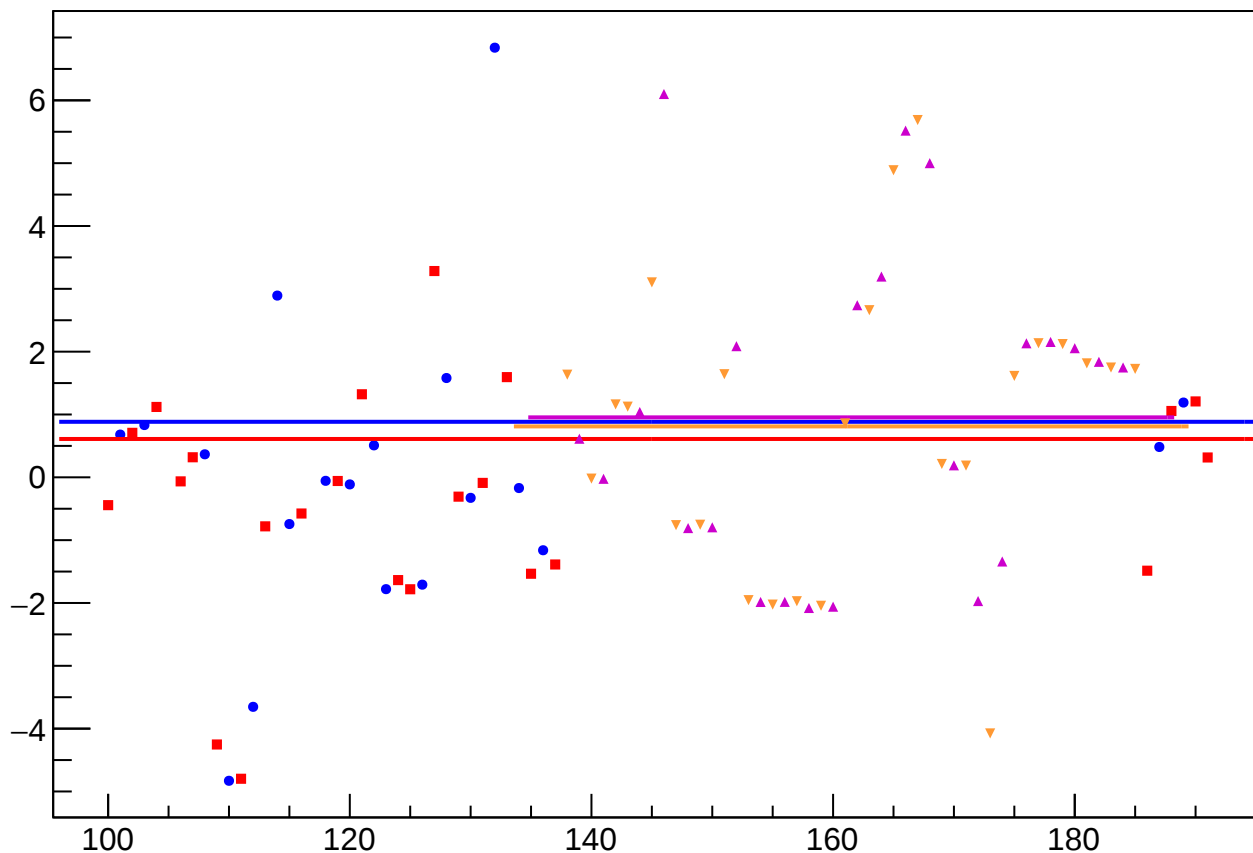
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8505628.4/43

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 18481048.4/89

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 9973440.9/45

yield_bpm1Y_mean vs Slug



Right In: 0.884 $\pm$ 0.000 χ^2 /NDF: 11031663991.3/18

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 0.610 $\pm$ 0.000 χ^2 /NDF: 5704492522.4/22

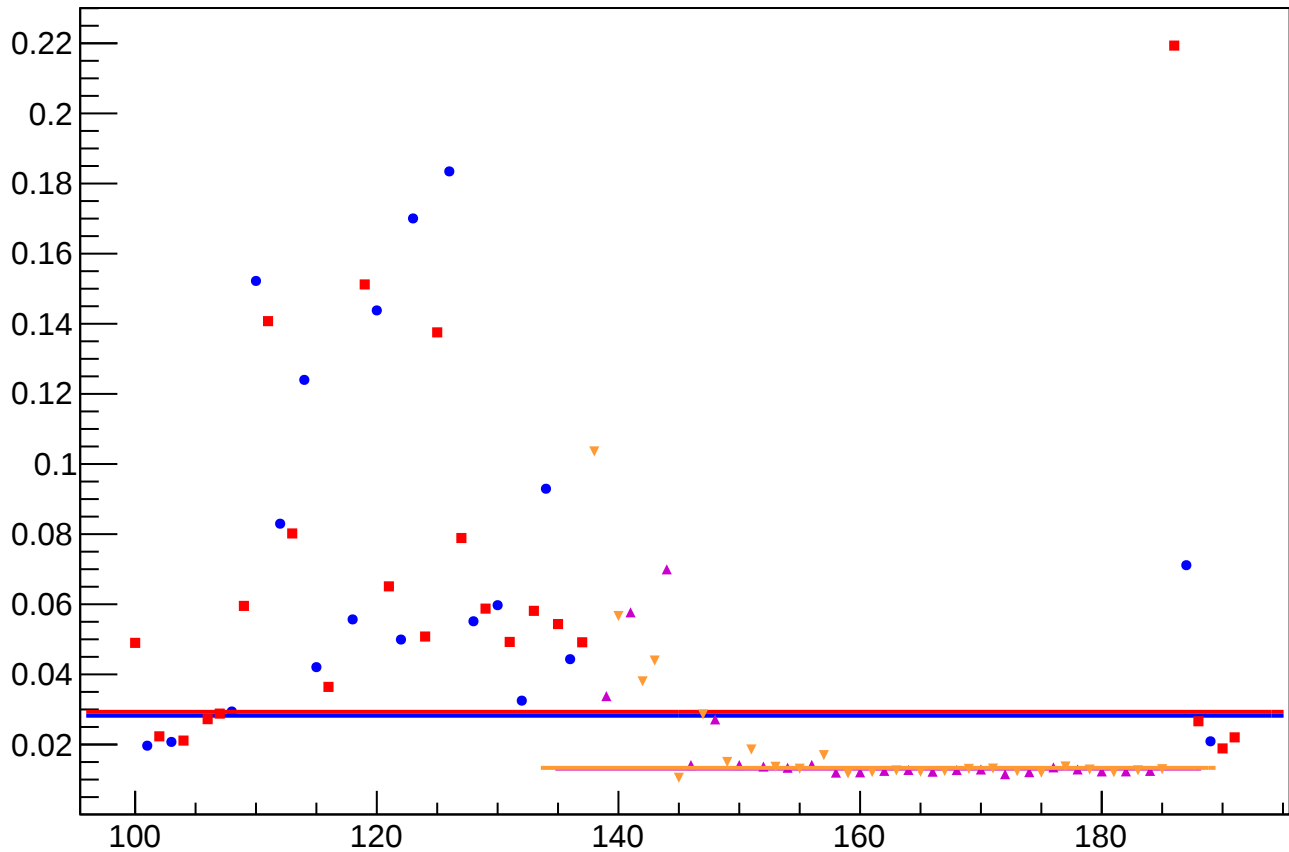
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 0.814 $\pm$ 0.000 χ^2 /NDF: 518638896754.0/43

All: 0.874 $\pm$ 0.000 χ^2 /NDF: 1100411434225.

- sign 0.932 $\pm$ 0.000 χ^2 /NDF: 581138196369.3/45

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: 0.029 $\pm$ 0.000 χ^2 /NDF: 3950568.9/22

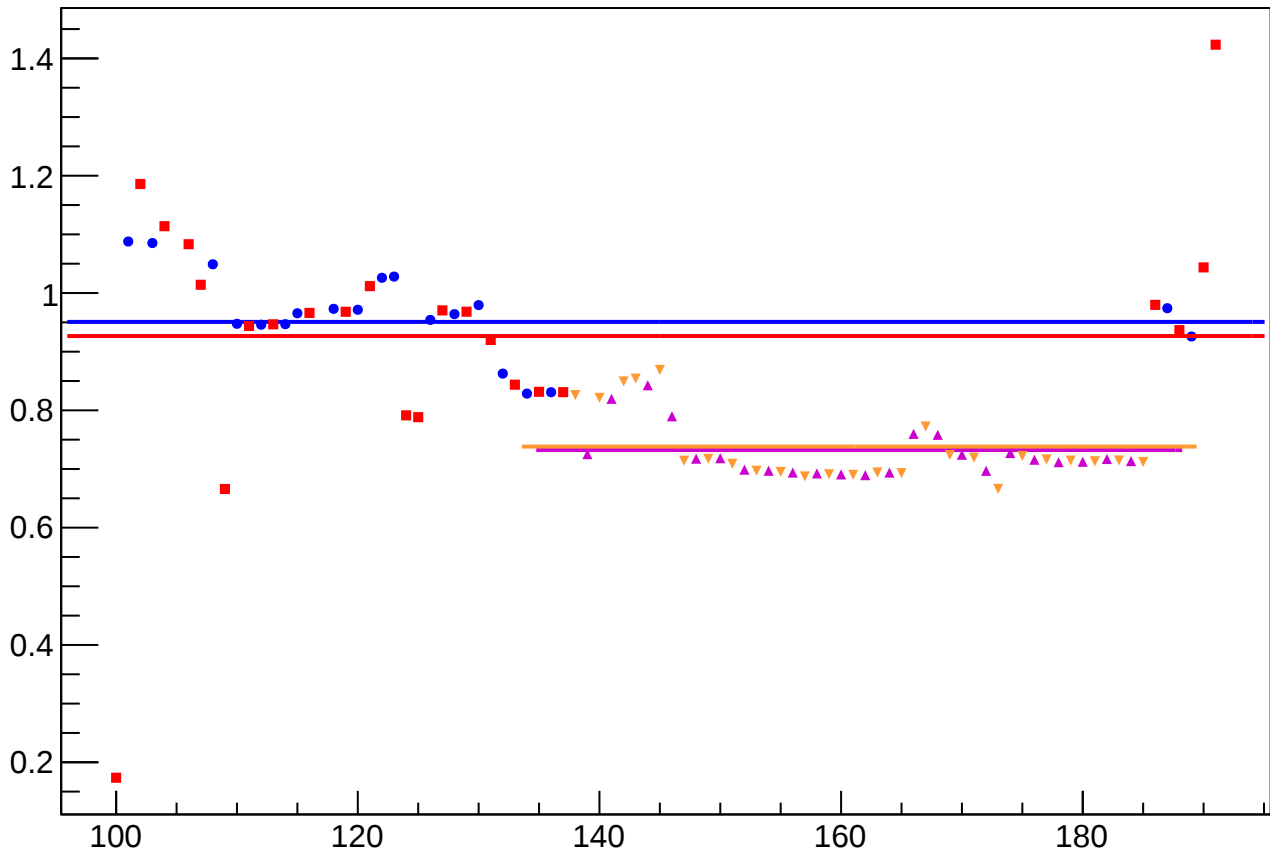
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7965693.9/43

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 16722289.1/89

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8756473.1/45

yield_bpm11X_mean vs Slug



Right In: 0.951 $\pm$ 0.000 χ^2 /NDF: 174722498.3/18

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310610047.7/24

Right Out: 0.927 $\pm$ 0.000 χ^2 /NDF: 454473573.1/22

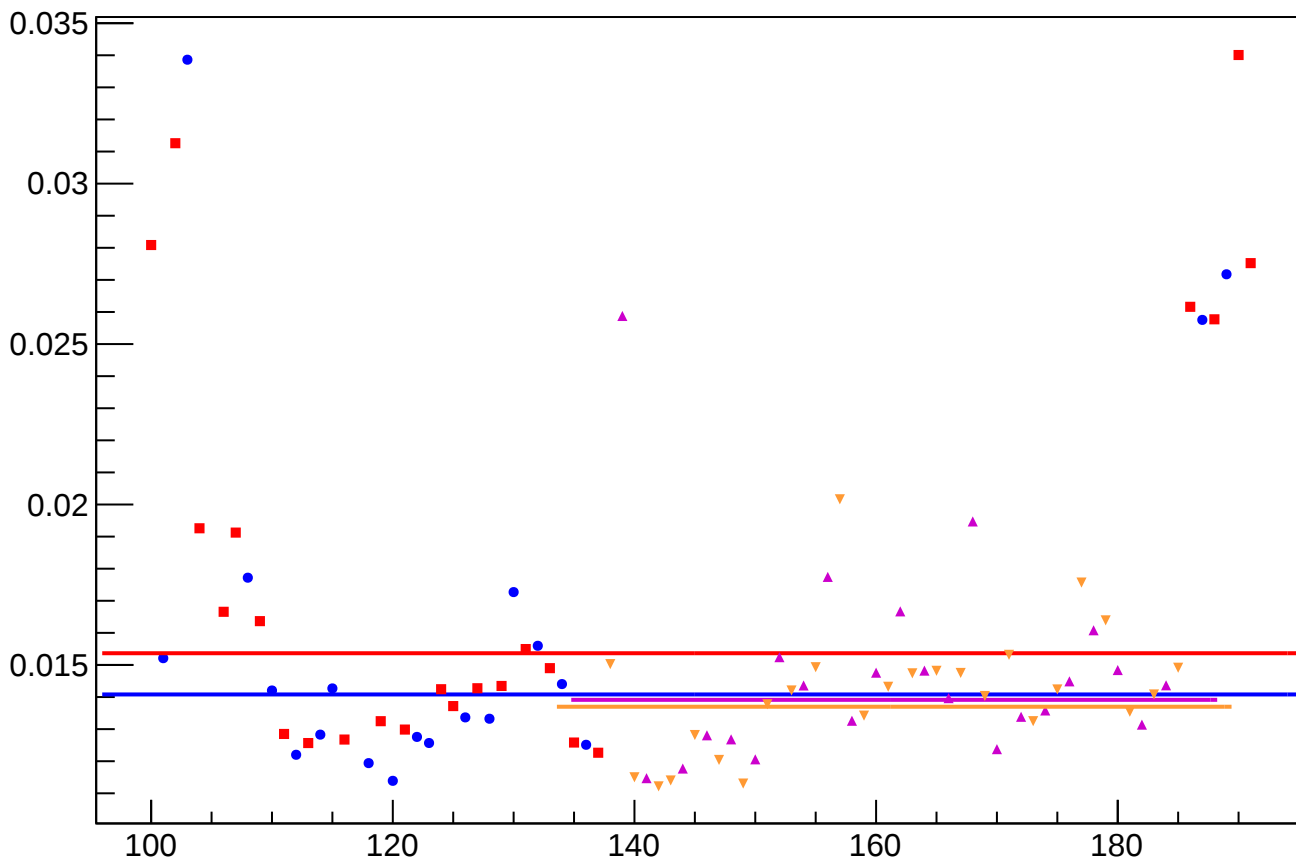
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF:170806298.1/22

+ sign 0.794 $\pm$ 0.000 χ^2 /NDF: 1517372064.2/43

All: 0.791 $\pm$ 0.000 χ^2 /NDF: 3003074417.4/89

- sign 0.787 $\pm$ 0.000 χ^2 /NDF: 1482771832.9/45

yield_bpm11X_rms vs Slug



Right In: 0.014 ± 0.000 $\chi^2/\text{NDF}: 791202.1/18$

Left Out: 0.014 ± 0.000 $\chi^2/\text{NDF}: 530851.9/24$

Right Out: 0.015 ± 0.000 $\chi^2/\text{NDF}: 1255934.6/22$

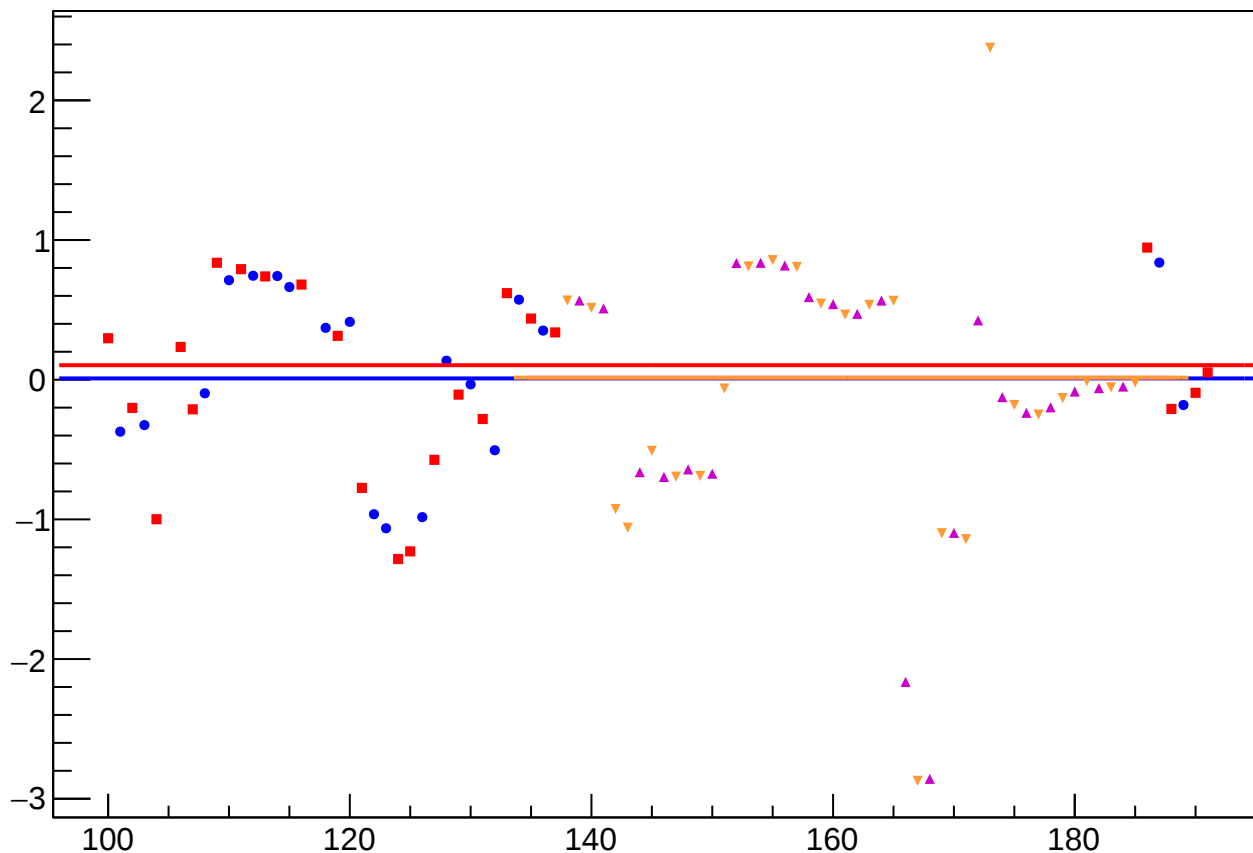
Left In: 0.014 ± 0.000 $\chi^2/\text{NDF}: 794558.0/22$

+ sign 0.014 ± 0.000 $\chi^2/\text{NDF}: 1328747.8/43$

All: 0.014 ± 0.000 $\chi^2/\text{NDF}: 3506591.5/89$

- sign 0.014 ± 0.000 $\chi^2/\text{NDF}: 2146330.9/45$

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: 0.104+/-0.000 χ^2/NDF : 13144296618.3/22

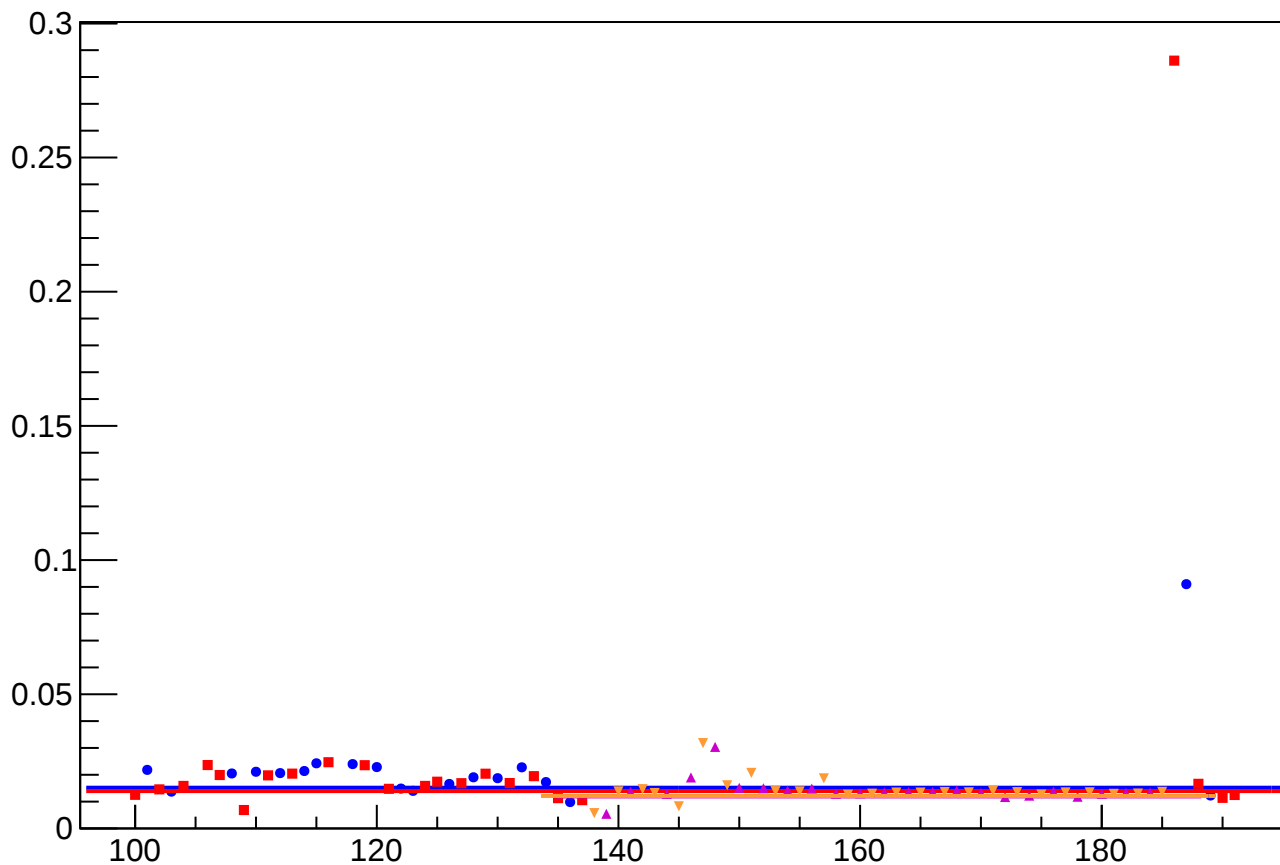
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.014+/-0.000 χ^2/NDF : 102492821052.2/43

All: 0.025+/-0.000 χ^2/NDF : 195330742083.3

- sign 0.035+/-0.000 χ^2/NDF : 92805541844.2/45

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: 2263017.2/22

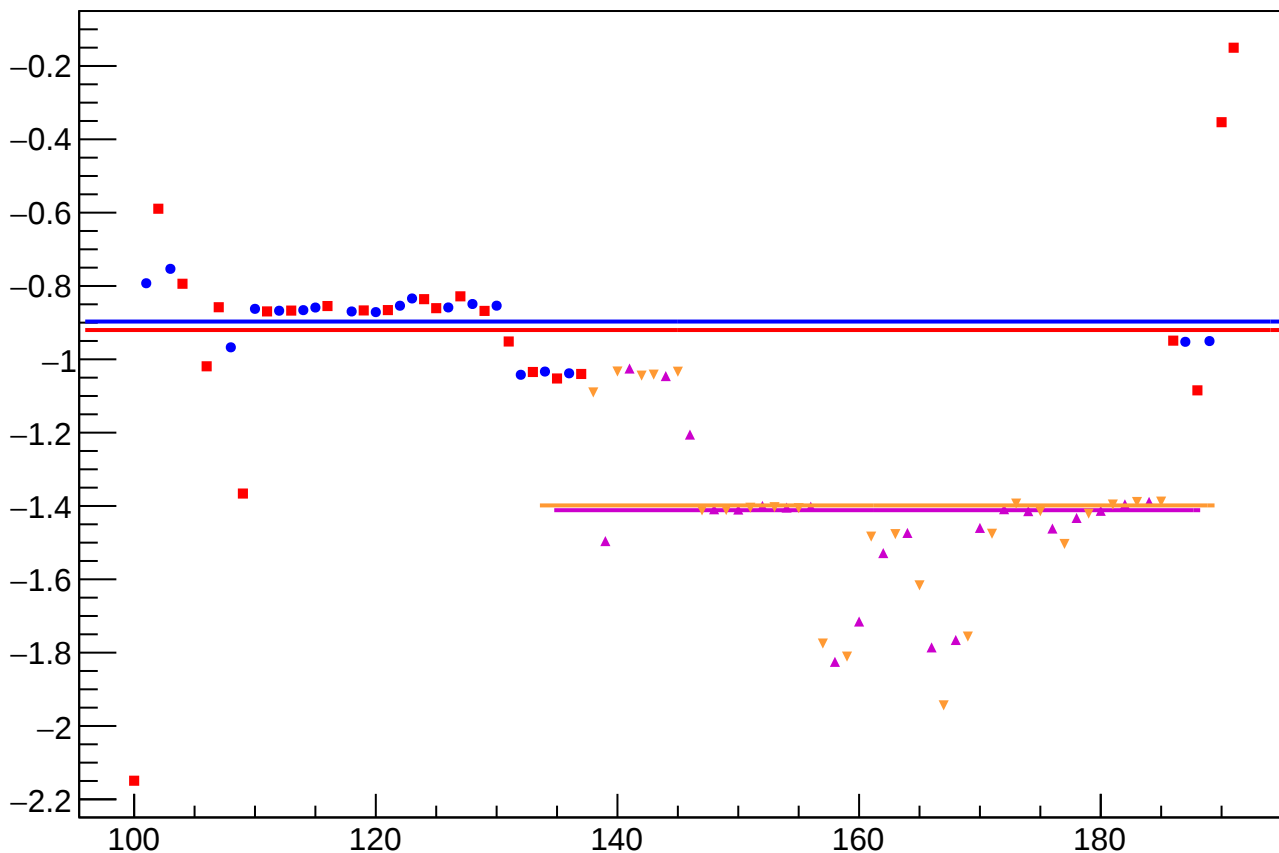
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4874785.0/43

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 10463360.3/89

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5577612.9/45

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: -0.920 ± 0.000 χ^2/NDF : 185159968.4/22

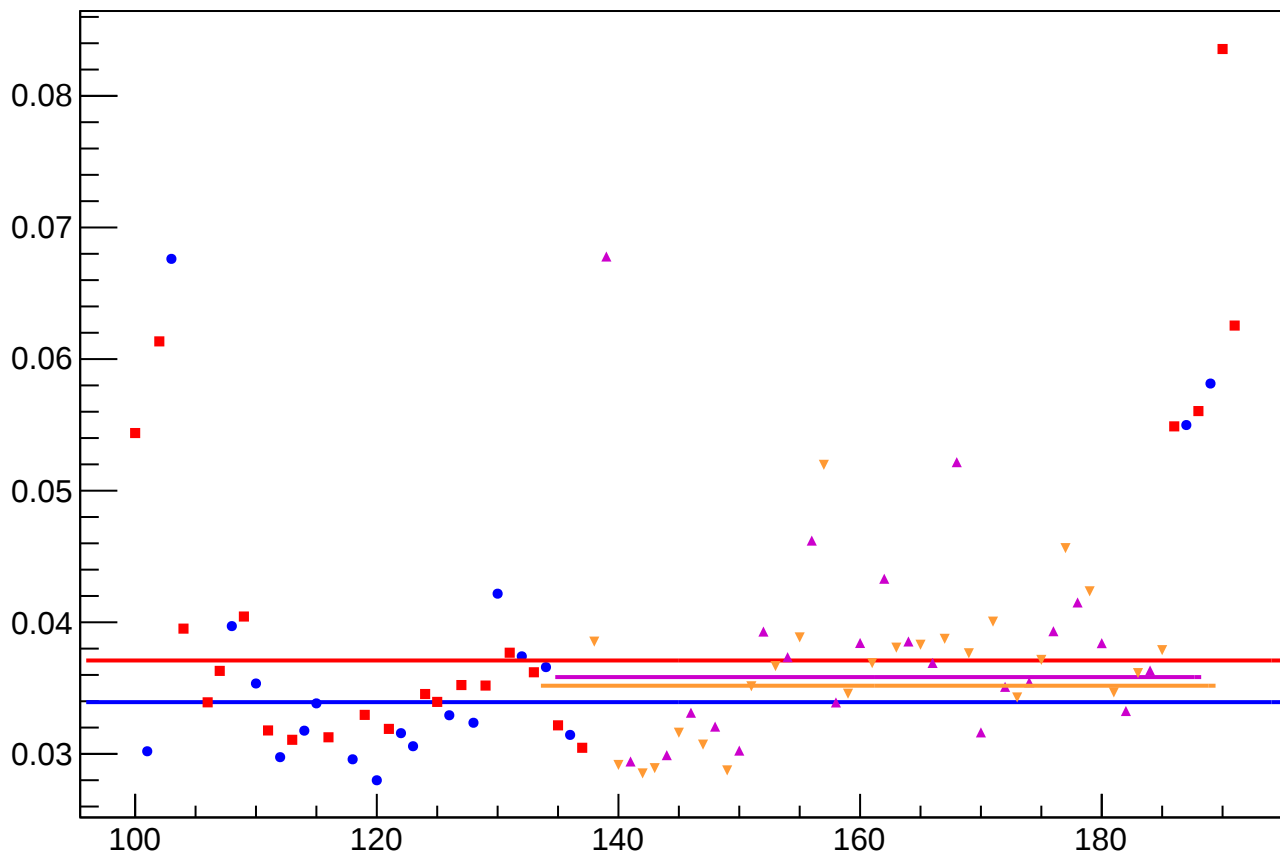
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.251 ± 0.000 χ^2/NDF : 1734758757.6/43

All: -1.253 ± 0.000 χ^2/NDF : 3346642857.3/8

- sign -1.256 ± 0.000 χ^2/NDF : 1611616651.6/45

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: 879774.3/22

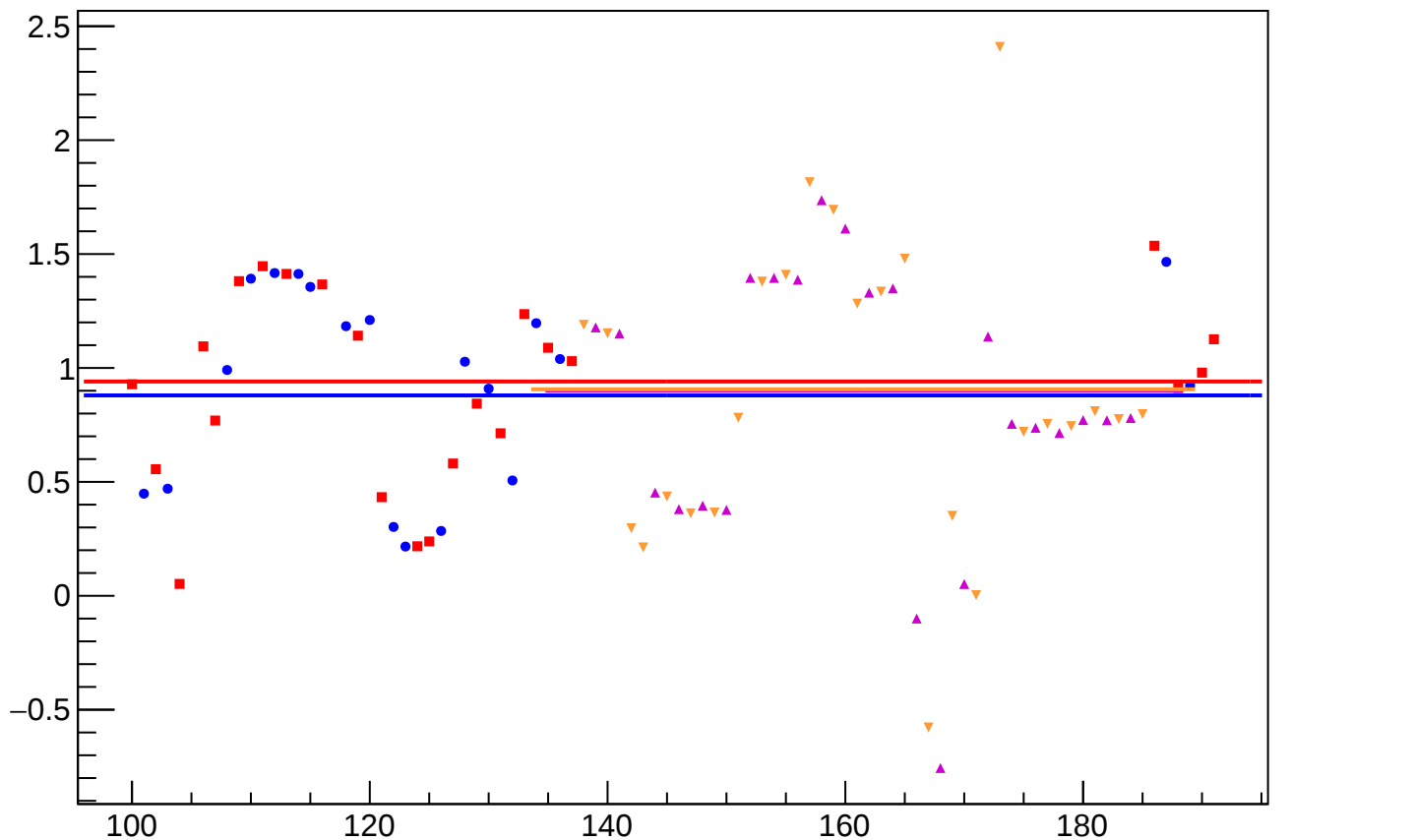
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1194603.8/43

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 3013735.2/89

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 1782808.6/45

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6480799741.7/18

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF:84108410196.2/24

Right Out: 0.941 $\pm$ 0.000 χ^2 /NDF: 10068324039.8/22

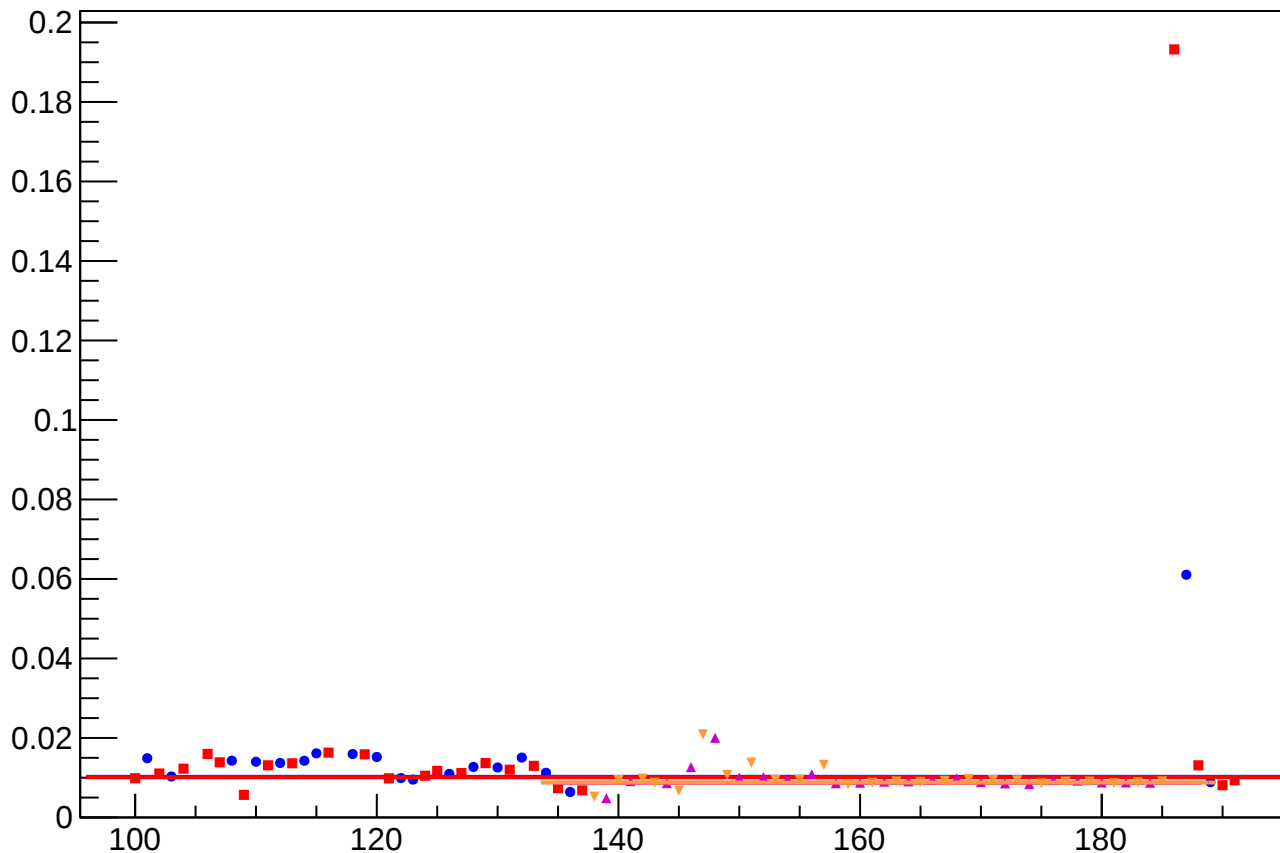
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF:66932223067.8/22

+ sign 0.901 $\pm$ 0.000 χ^2 /NDF: 90621334520.7/43

All: 0.906 $\pm$ 0.000 χ^2 /NDF: 167716694634.2

- sign 0.910 $\pm$ 0.000 χ^2 /NDF: 77082715978.0/45

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: 1913404.9/22

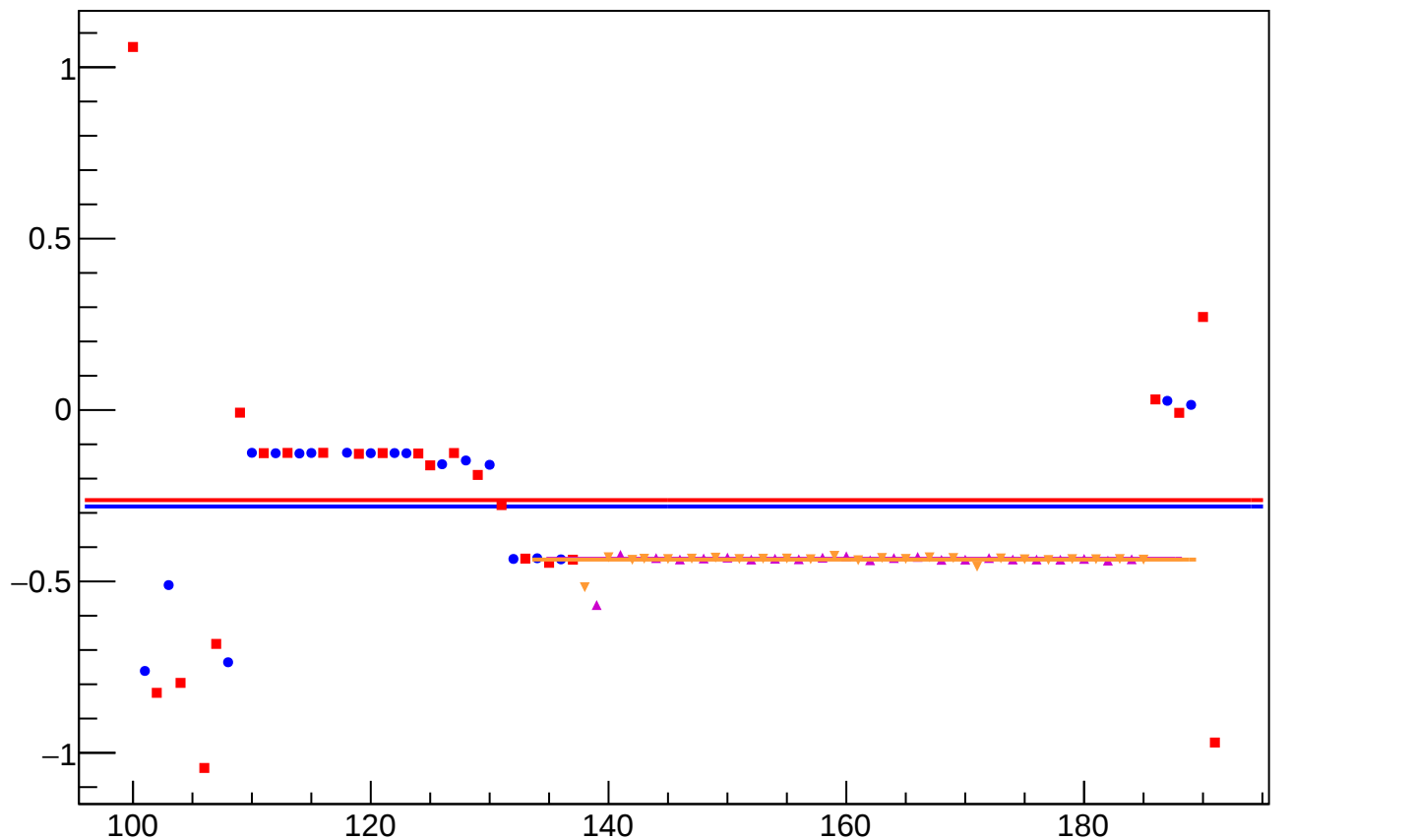
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3297751.1/43

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7077429.1/89

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3779678.0/45

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: -0.263 ± 0.000 χ^2/NDF : 1055495647.7/22

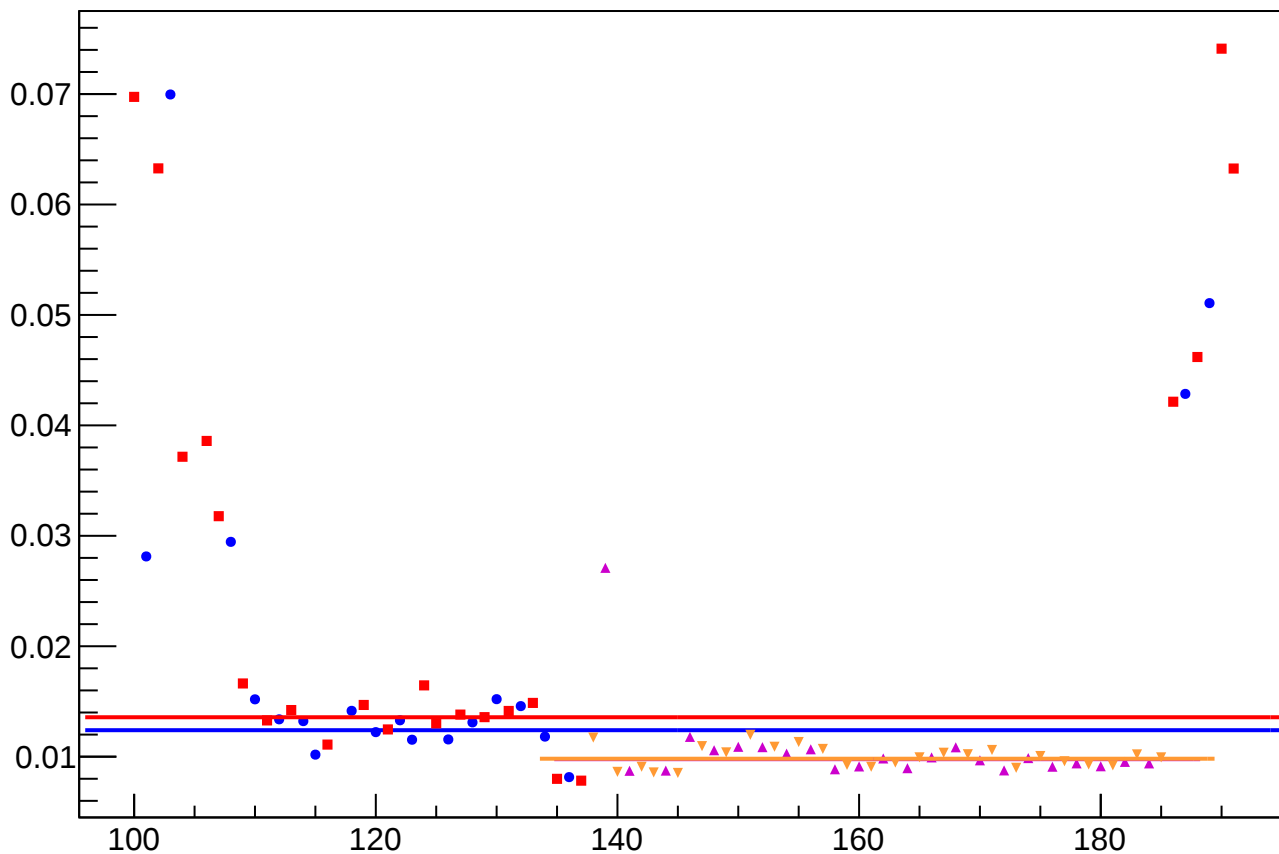
Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

+ sign -0.411 ± 0.000 χ^2/NDF : 1580634369.0/43

All: -0.408 ± 0.000 χ^2/NDF : 3404436521.9/8

- sign -0.406 ± 0.000 χ^2/NDF : 1821166573.8/45

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 2312636.4/18

Left Out: 0.010+/-0.000 χ^2/NDF : 271172.3/24

Right Out: 0.014+/-0.000 χ^2/NDF : 3910403.3/22

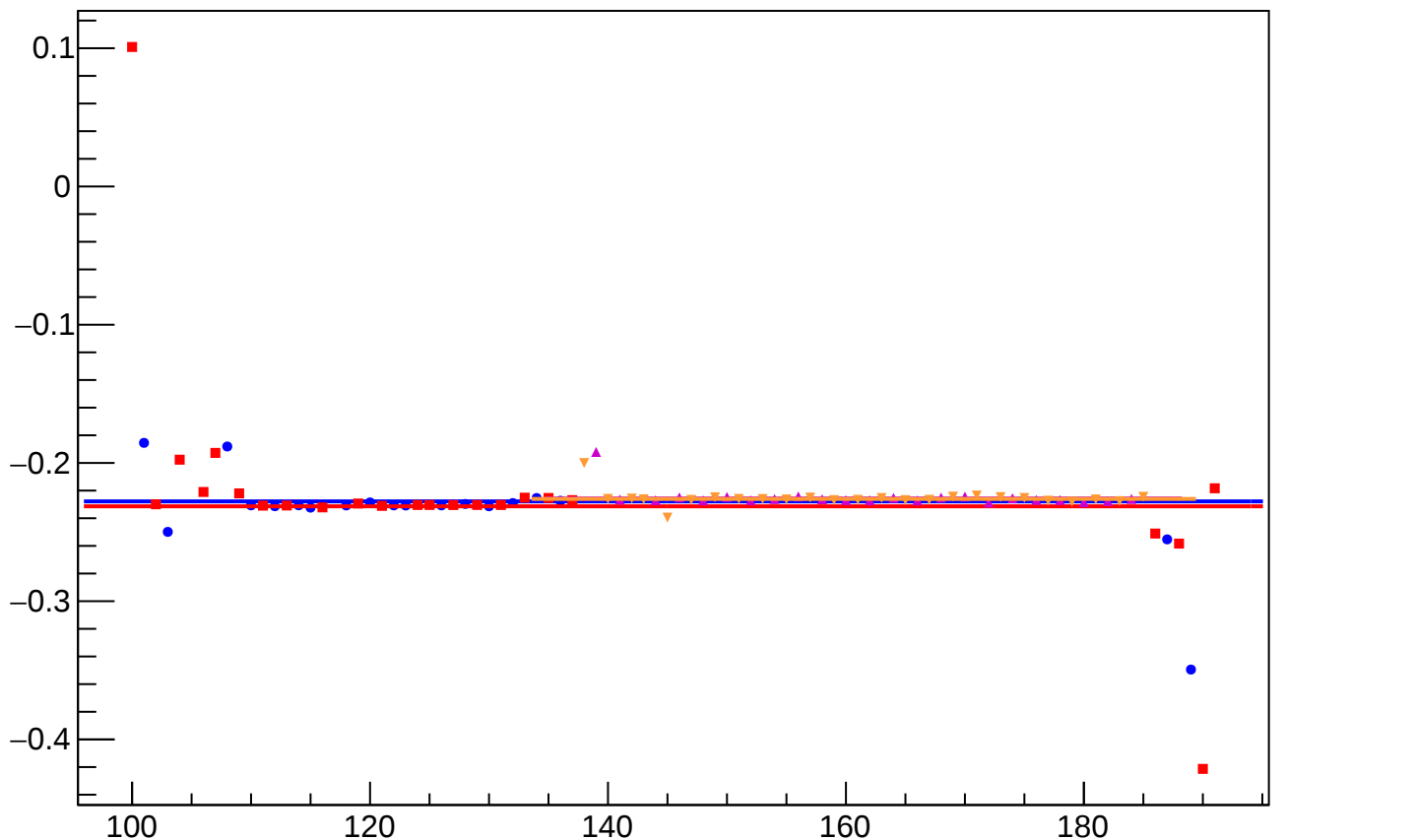
Left In: 0.010+/-0.000 χ^2/NDF : 786577.8/22

+ sign 0.010+/-0.000 χ^2/NDF : 2938118.7/43

All: 0.010+/-0.000 χ^2/NDF : 8373458.7/89

- sign 0.010+/-0.000 χ^2/NDF : 5430199.7/45

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: -0.231 ± 0.000 χ^2/NDF : 533496058.6/22

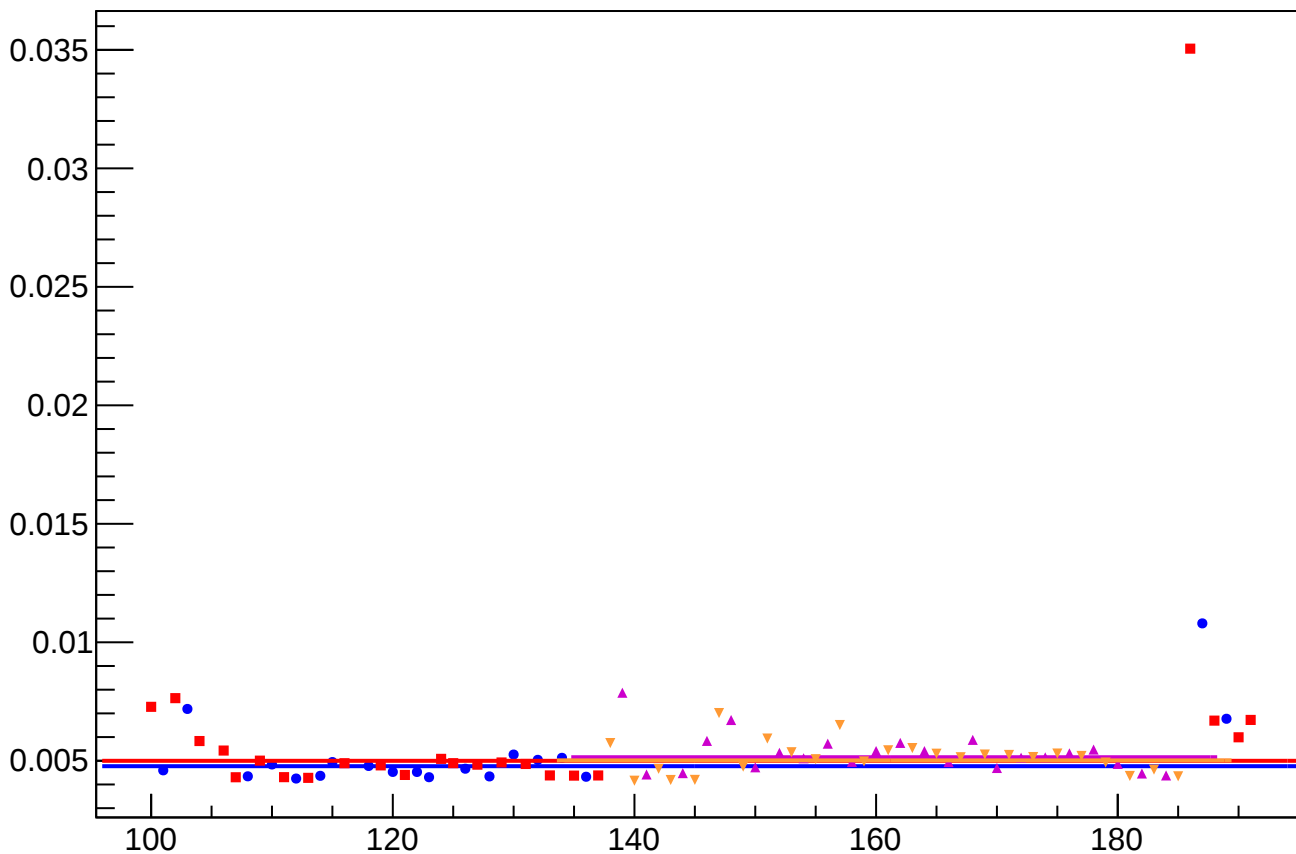
Left In: -0.226 ± 0.000 χ^2/NDF : 13717302.5/22

+ sign -0.227 ± 0.000 χ^2/NDF : 231634795.5/43

All: -0.227 ± 0.000 χ^2/NDF : 785966931.0/89

- sign -0.228 ± 0.000 χ^2/NDF : 553781824.6/45

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 : 952607.6/22

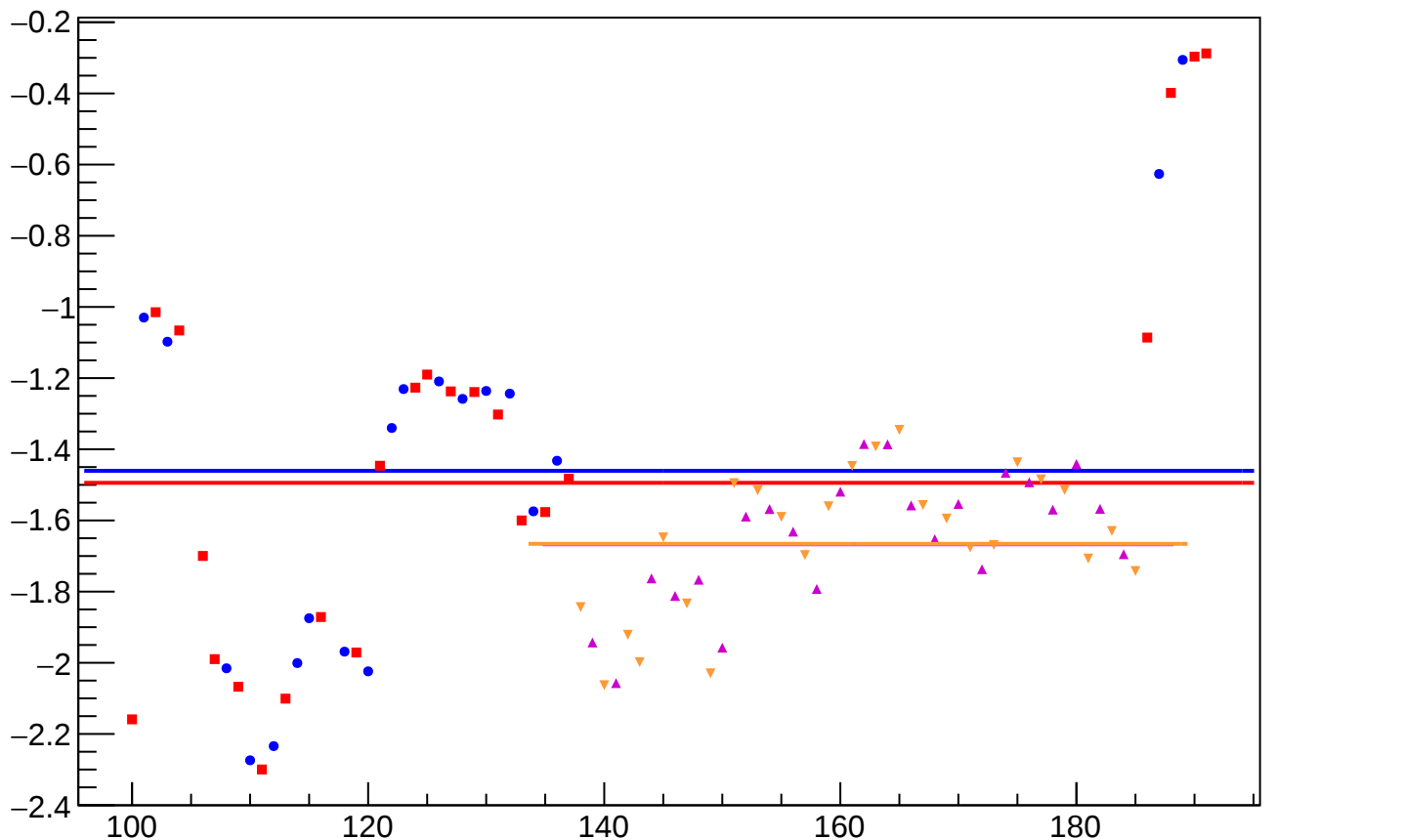
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 898269.2/43

All: 0.005+/-0.000 χ^2/NDF : 2386952.4/89

- sign 0.005+/-0.000 χ^2/NDF : 1466093.2/45

yield_bpm0l01X_mean vs Slug



Right In: -1.461+/-0.000 χ^2/NDF : 27993737079.2/18

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.494+/-0.000 χ^2/NDF : 50315788943.4/22

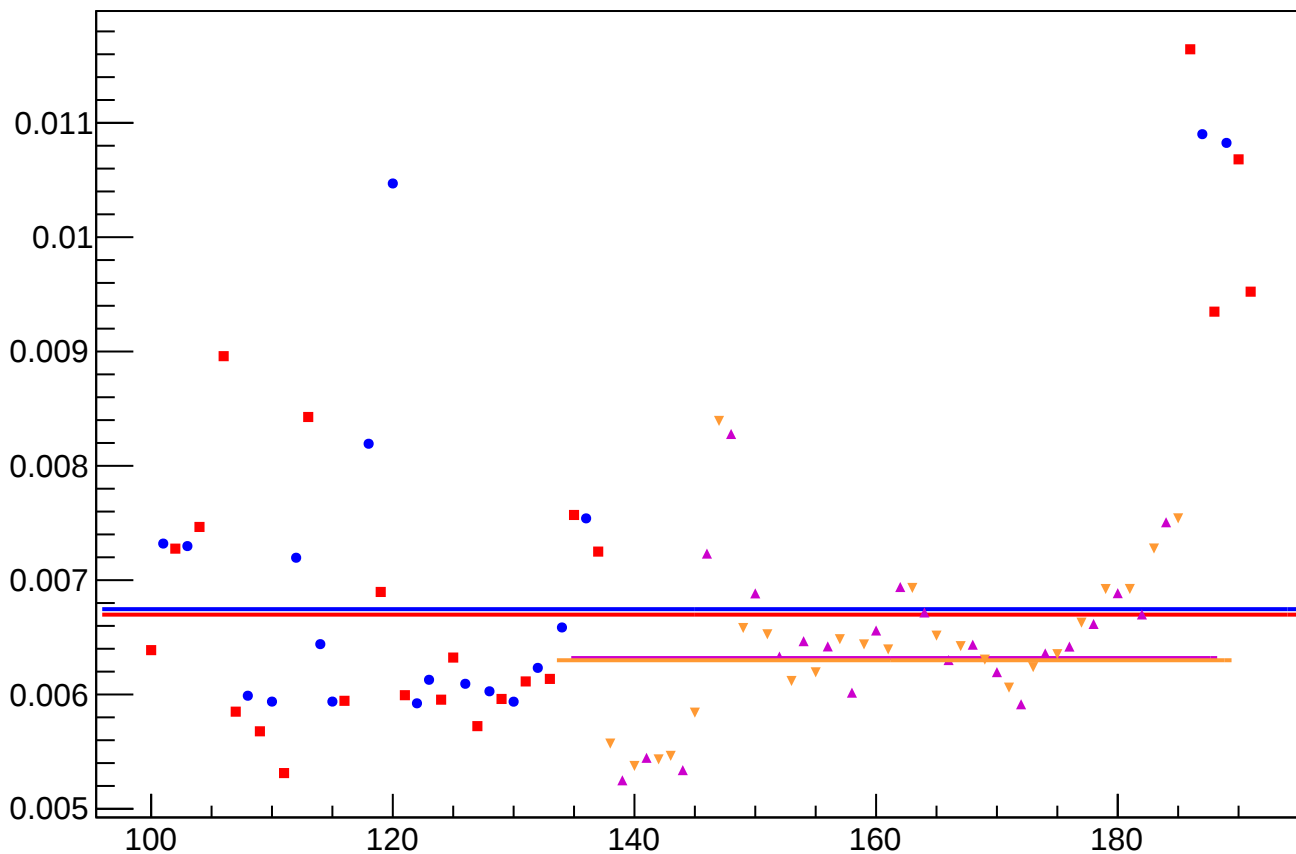
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.616+/-0.000 χ^2/NDF : 50894620706.8/43

All: -1.615+/-0.000 χ^2/NDF : 119581704632.7

- sign -1.614+/-0.000 χ^2/NDF : 68686612746.2/45

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 : 665561.4/22

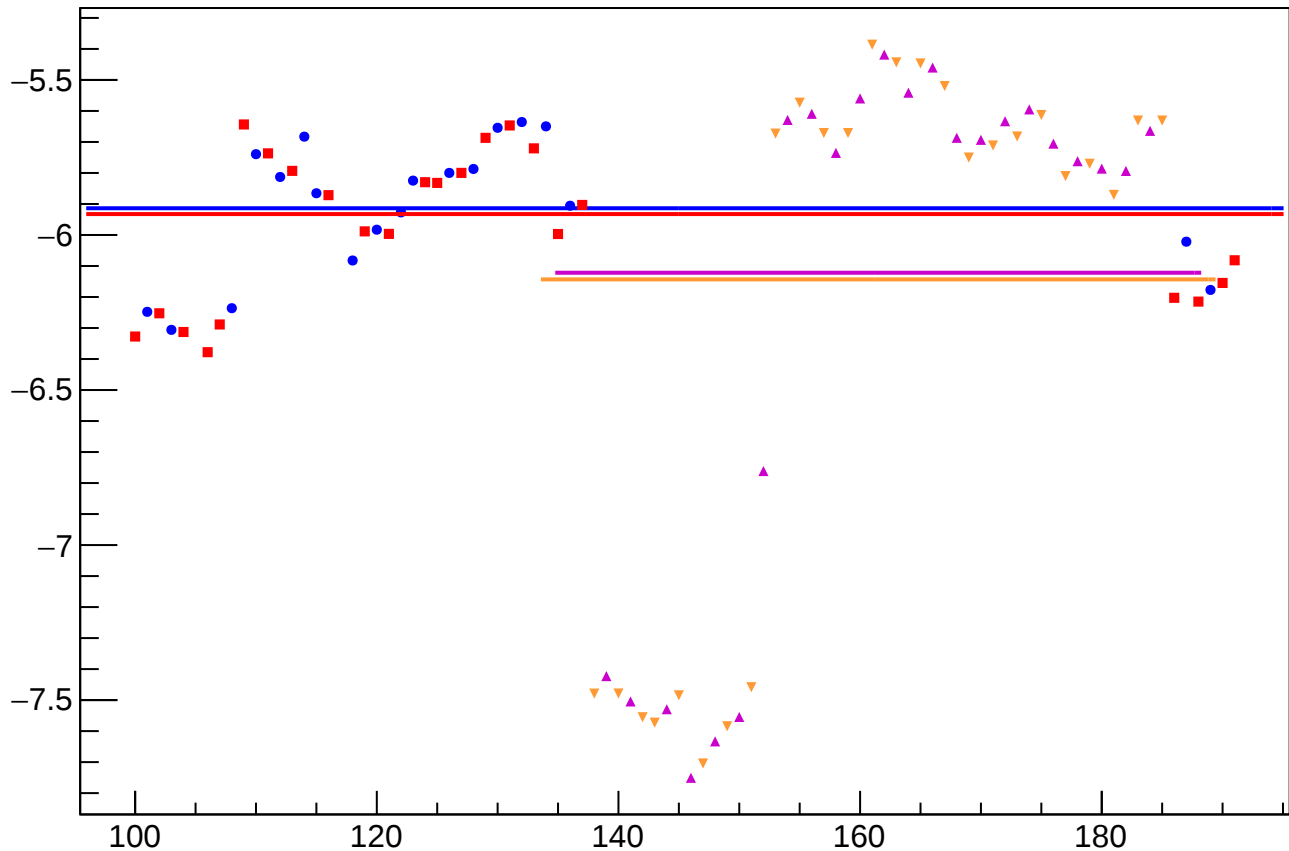
Left In: 0.006 ± 0.000 χ^2/NDF : 334332.4/22

+ sign 0.006 ± 0.000 χ^2/NDF : 713544.8/43

All: 0.006 ± 0.000 χ^2/NDF : 1750154.2/89

- sign 0.006 ± 0.000 χ^2/NDF : 1036217.5/45

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: -5.933+/-0.000 χ^2/NDF : 13605569712.0/22

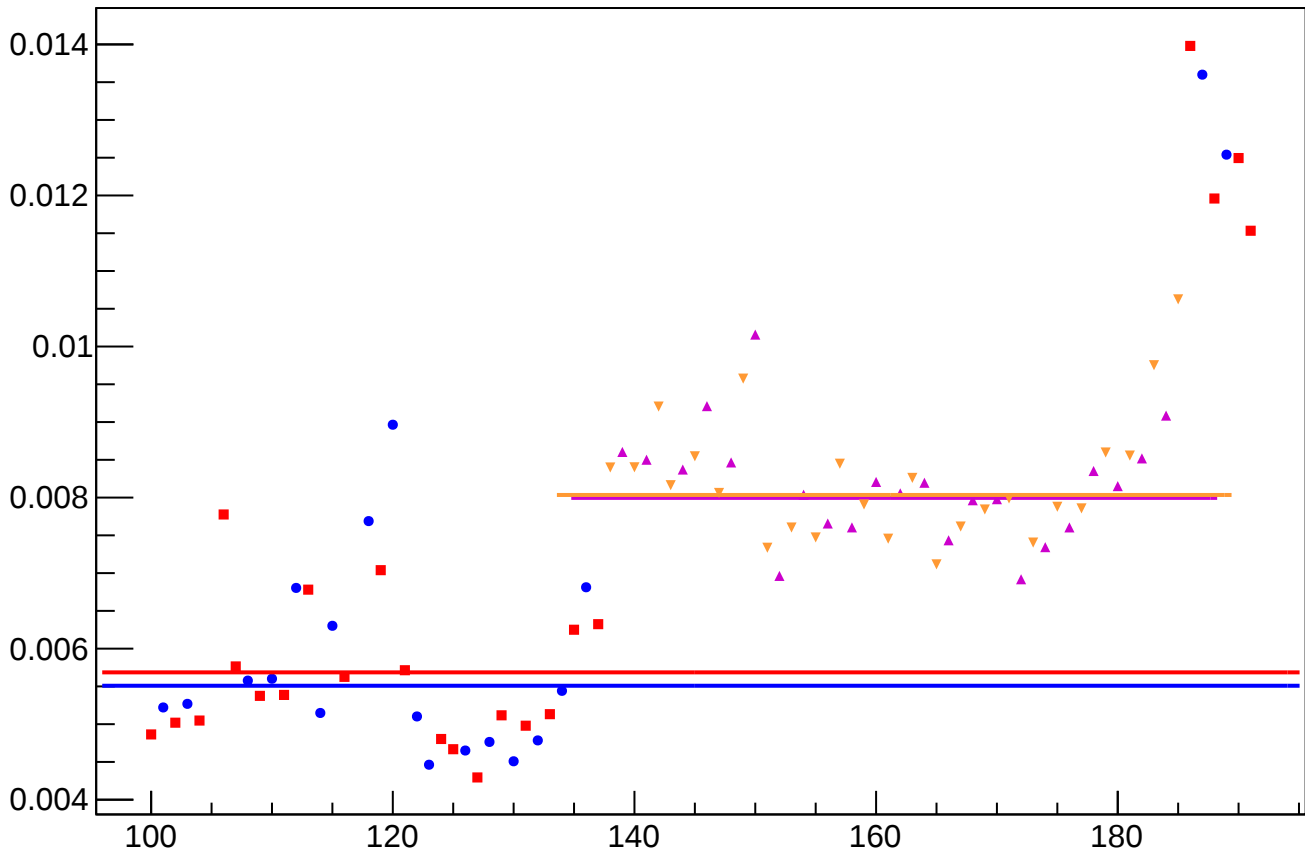
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.042+/-0.000 χ^2/NDF : 203030344978.9/43

All: -6.036+/-0.000 χ^2/NDF : 380902018324.9

- sign -6.030+/-0.000 χ^2/NDF : 177839122390.7/45

yield_bpm0l01Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 710854.5/18

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205976.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1340983.4/22

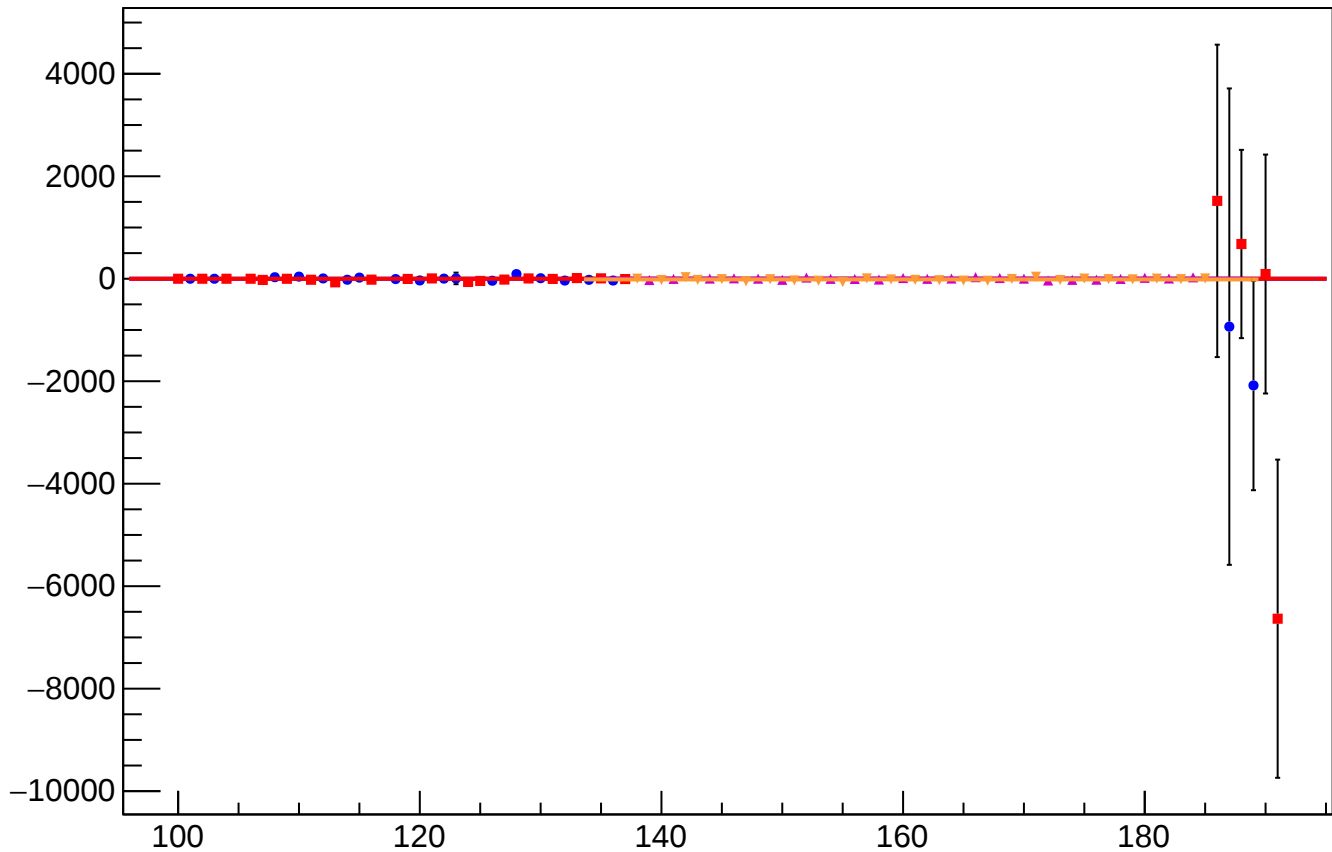
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220203.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2372486.7/43

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 5223780.5/89

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2850480.8/45

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: 19.9/22

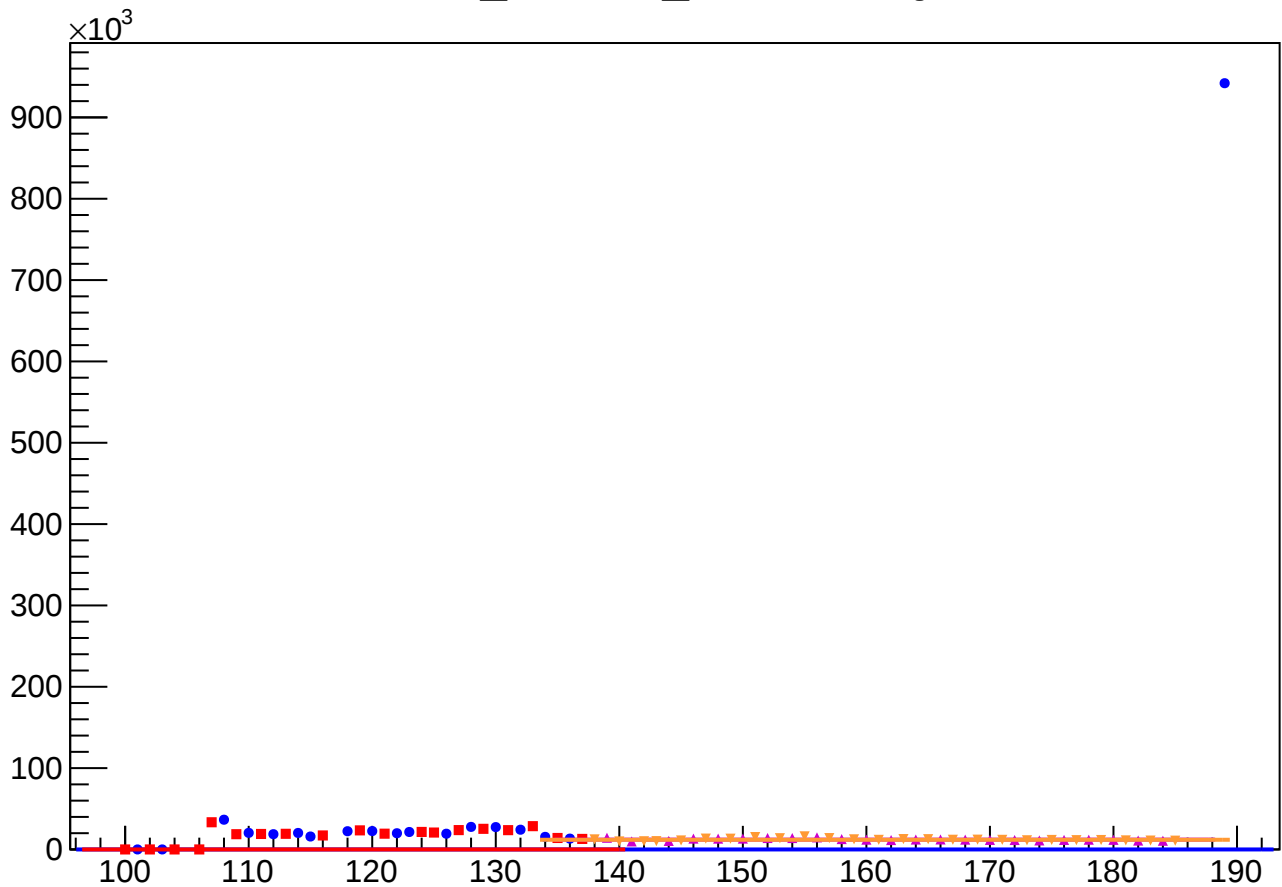
Left In: -0.489 $\pm$ 2.905 χ^2 /NDF: 28.7/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 99.1/43

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 147.9/89

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 48.6/45

diff_cav4bX_rms vs Slug



Right In: 18.640 $\pm$ 0.012 χ^2 /NDF: 10982766.4/17

Left Out: 11909.835 $\pm$ 1.977 χ^2 /NDF: 475310.2/24

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11056055.0/18

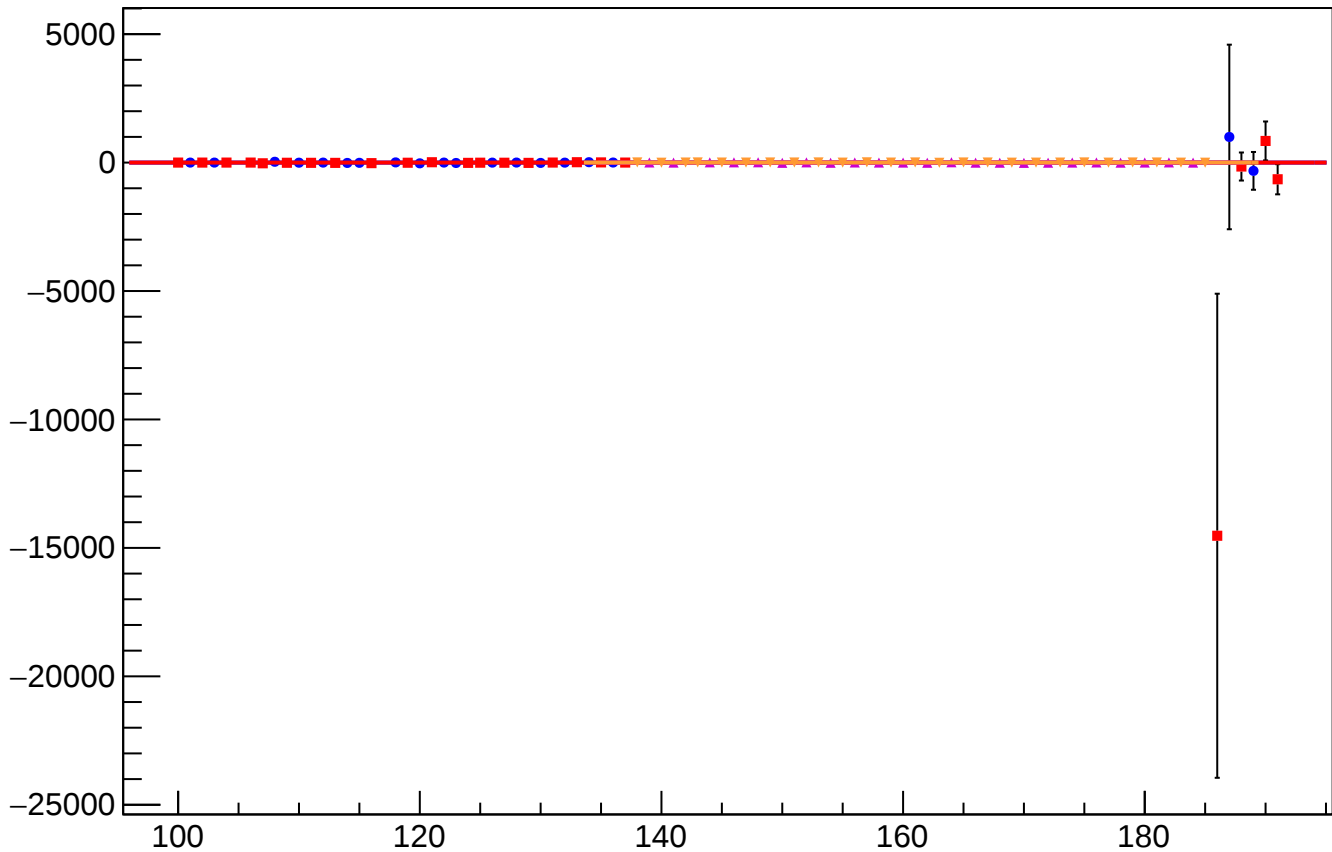
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.097 $\pm$ 0.012 χ^2 /NDF: 47623008.9/42

All: 18.873 $\pm$ 0.008 χ^2 /NDF: 93432232.0/84

- sign 18.680 $\pm$ 0.011 χ^2 /NDF: 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/18

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 23.5/22

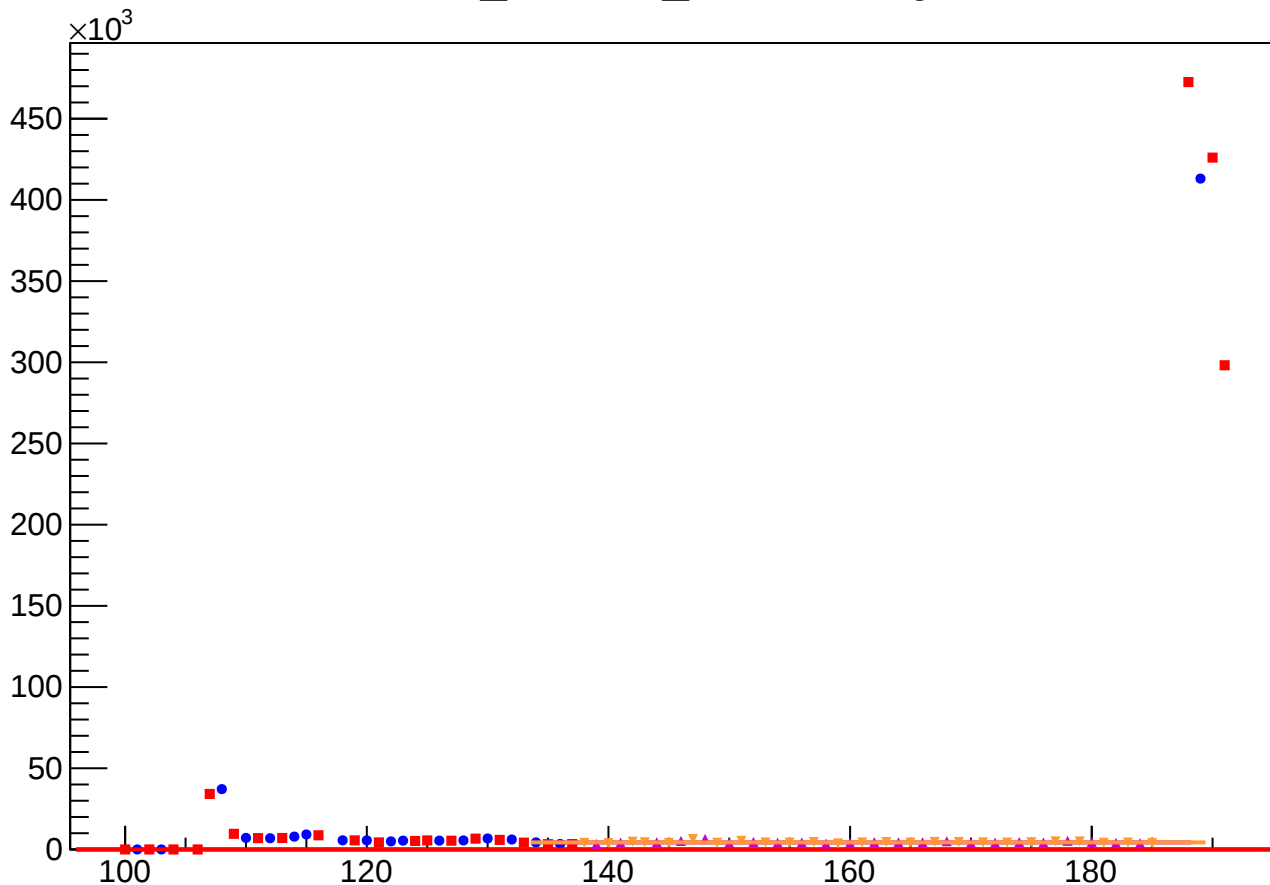
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.5/43

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 96.4/89

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 59.8/45

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 : 13725737.6/21

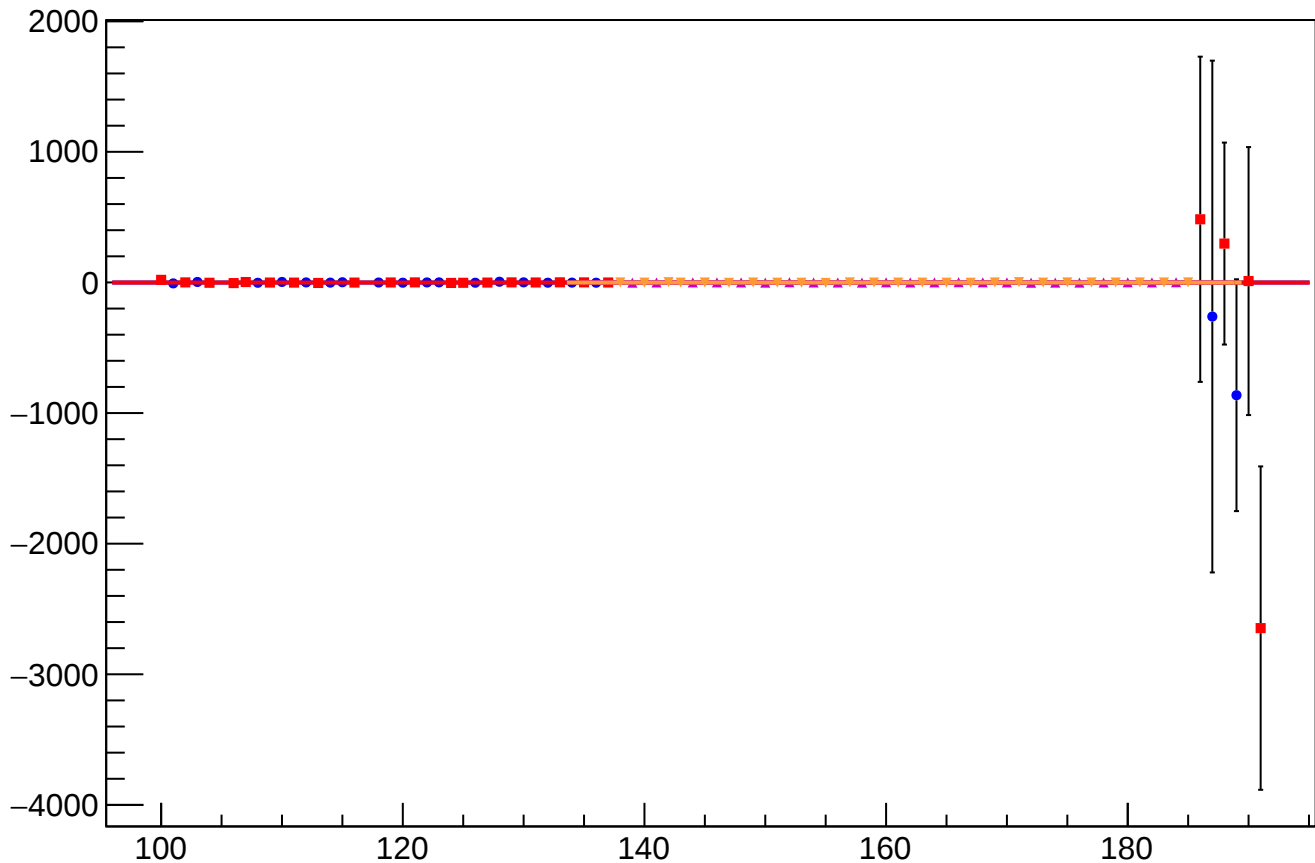
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.290 ± 0.007 χ^2/NDF : 48062471.2/42

All: 10.216 ± 0.004 χ^2/NDF : 96386116.9/87

- sign 10.150 ± 0.006 χ^2/NDF : 48323399.8/44

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: -0.761 ± 0.502 χ^2/NDF : 16.6/22

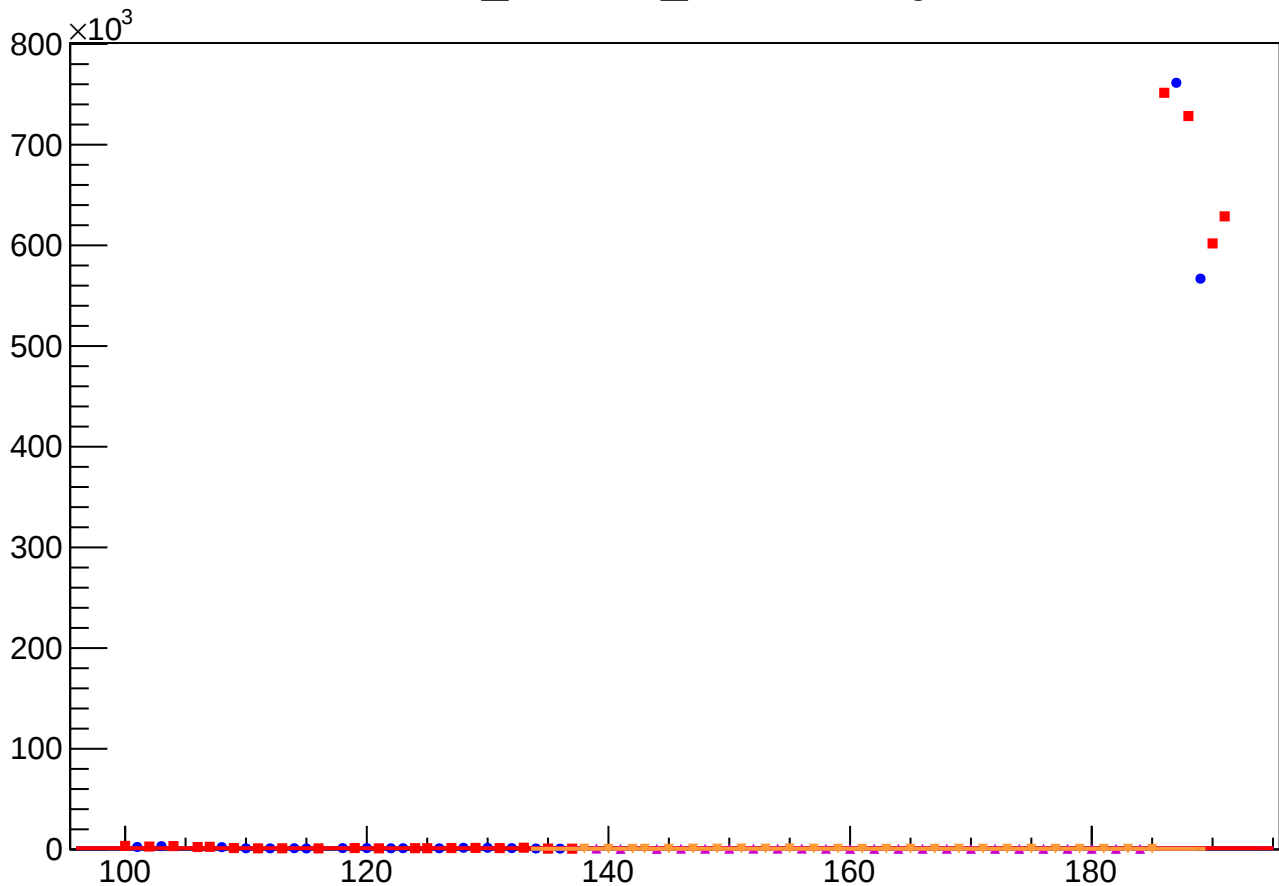
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 81.8/43

All: -0.443 ± 0.112 χ^2/NDF : 138.6/89

- sign -0.097 ± 0.161 χ^2/NDF : 47.8/45

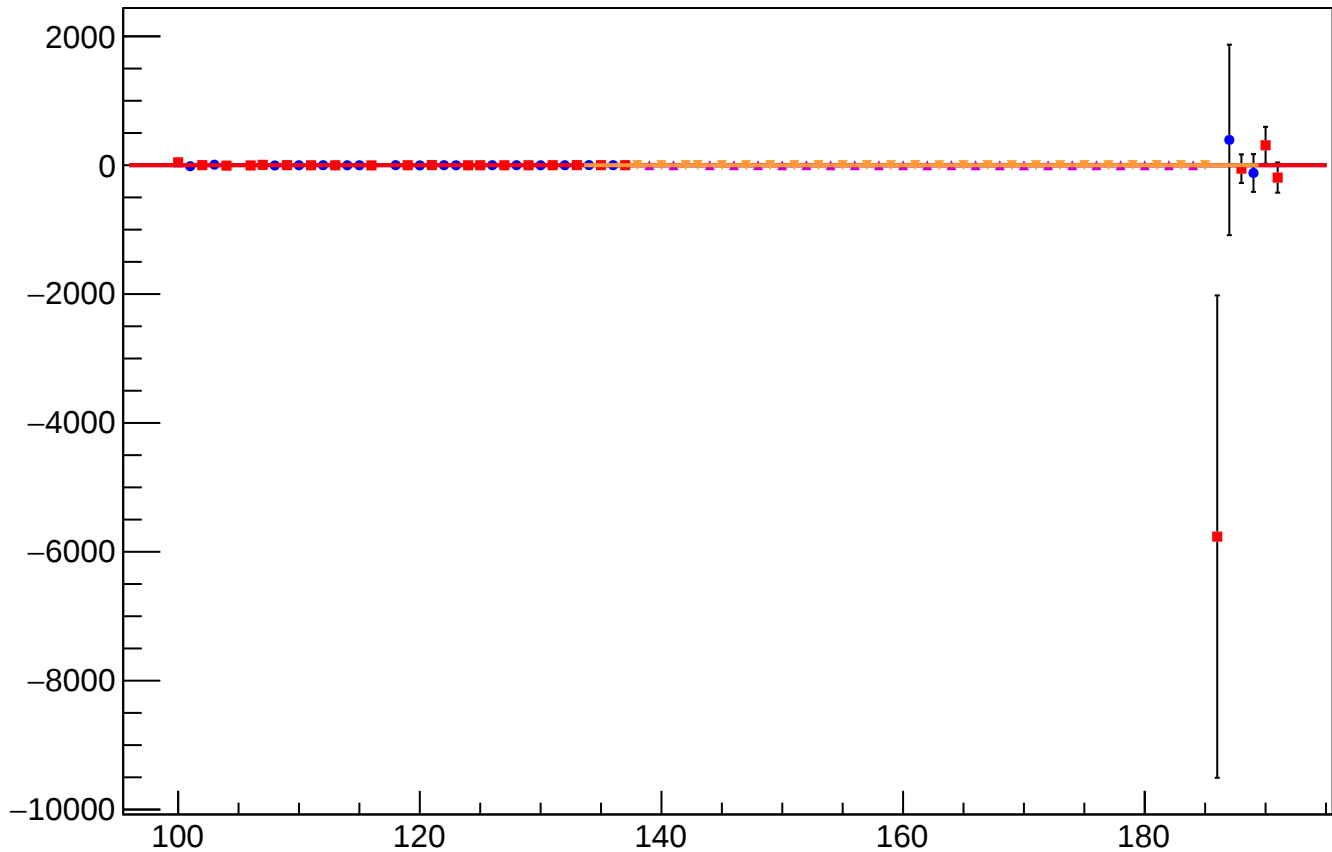
diff_cav4cX_rms vs Slug



Right In: 1164.427 $\pm$ 0.343 χ^2 /NDF: 2700131.6/18
 Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF: 392521.4/24
 Right Out: 1249.943 $\pm$ 0.355 χ^2 /NDF: 5312150.9/22
 Left In: 706.950 $\pm$ 0.120 χ^2 /NDF: 338177.1/22

+ sign 748.524 $\pm$ 0.110 χ^2 /NDF: 4732057.0/43
 All: 755.446 $\pm$ 0.079 χ^2 /NDF: 12488806.8/89
 - sign 762.868 $\pm$ 0.114 χ^2 /NDF: 7748549.6/45

diff_cav4cY_mean vs Slug



Right In: -0.060 $\pm$ 0.271 χ^2/NDF : 21.2/18

Left Out: 0.236 $\pm$ 0.122 χ^2/NDF : 17.6/24

Right Out: 0.244 $\pm$ 0.265 χ^2/NDF : 25.0/22

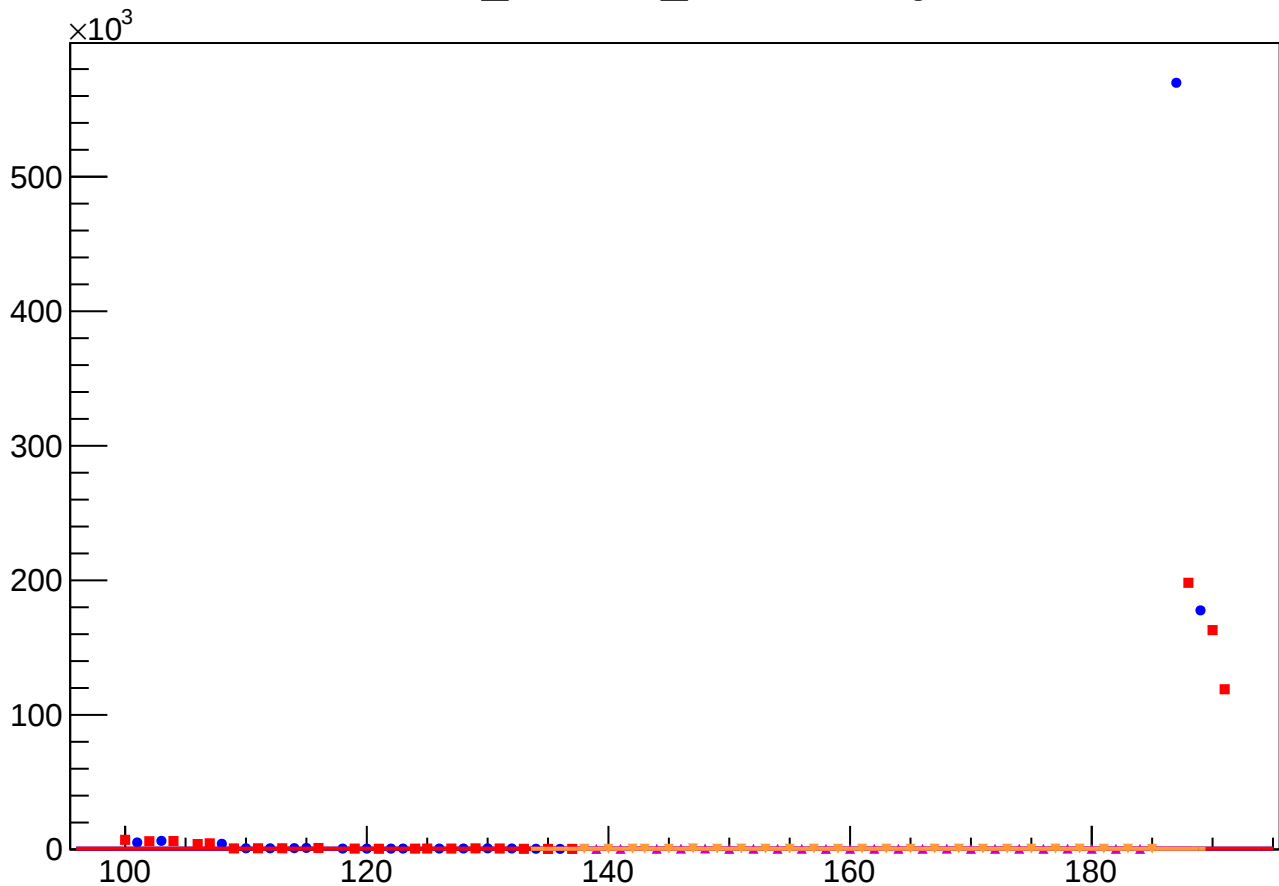
Left In: 0.115 $\pm$ 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 $\pm$ 0.112 χ^2/NDF : 39.7/43

All: 0.163 $\pm$ 0.080 χ^2/NDF : 99.9/89

- sign 0.139 $\pm$ 0.113 χ^2/NDF : 60.1/45

diff_cav4cY_rms vs Slug



Right In: 608.759 ± 0.191 χ^2/NDF : 4163317.3/18

Left Out: 522.416 ± 0.087 χ^2/NDF : 331573.1/24

Right Out: 600.286 ± 0.187 χ^2/NDF : 6279236.6/21

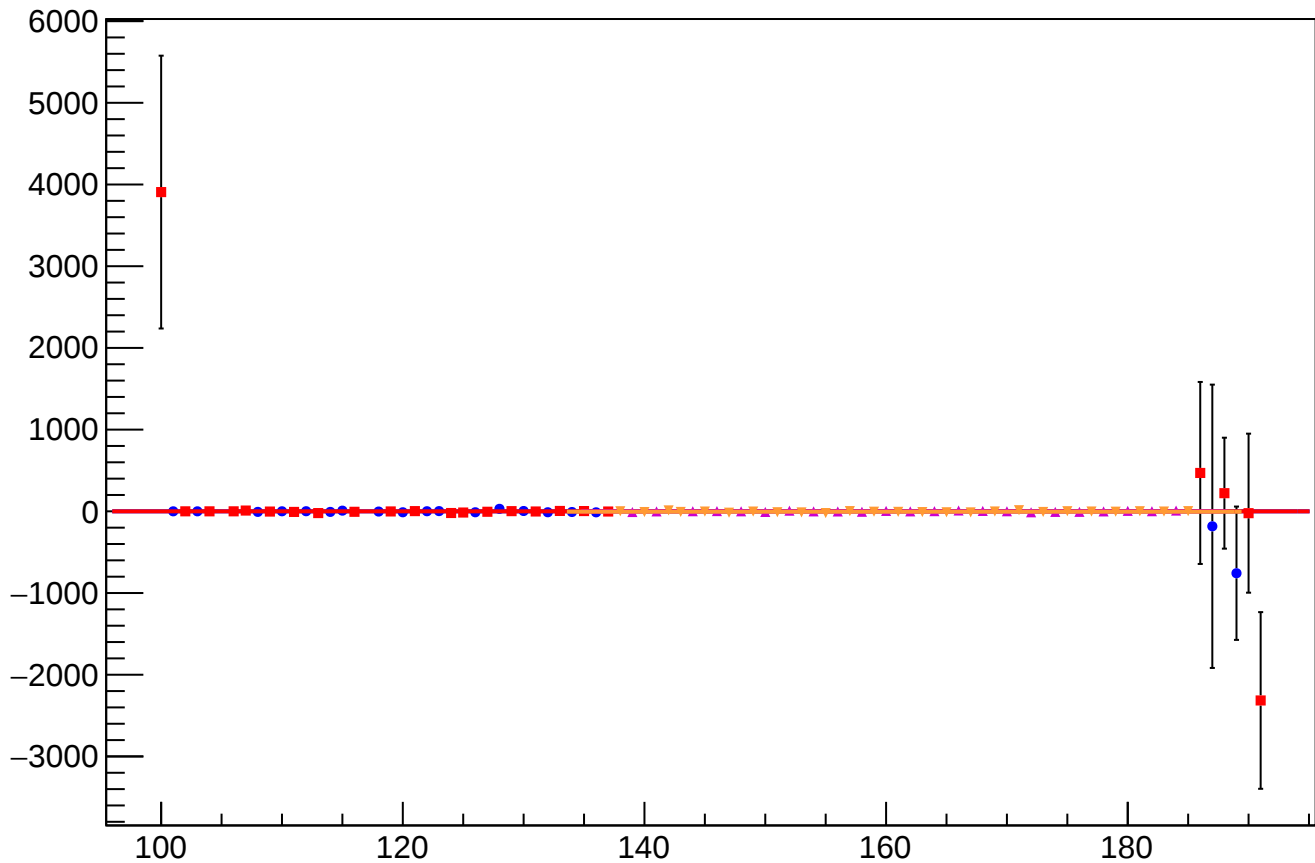
Left In: 519.909 ± 0.089 χ^2/NDF : 444746.3/22

+ sign 537.101 ± 0.079 χ^2/NDF : 4663925.6/43

All: 535.894 ± 0.056 χ^2/NDF : 11538813.0/88

- sign 534.646 ± 0.080 χ^2/NDF : 6874411.3/44

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 16.5/18

Left Out: -4.474 $\pm$ 0.956 χ^2 /NDF: 58.2/24

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 21.7/22

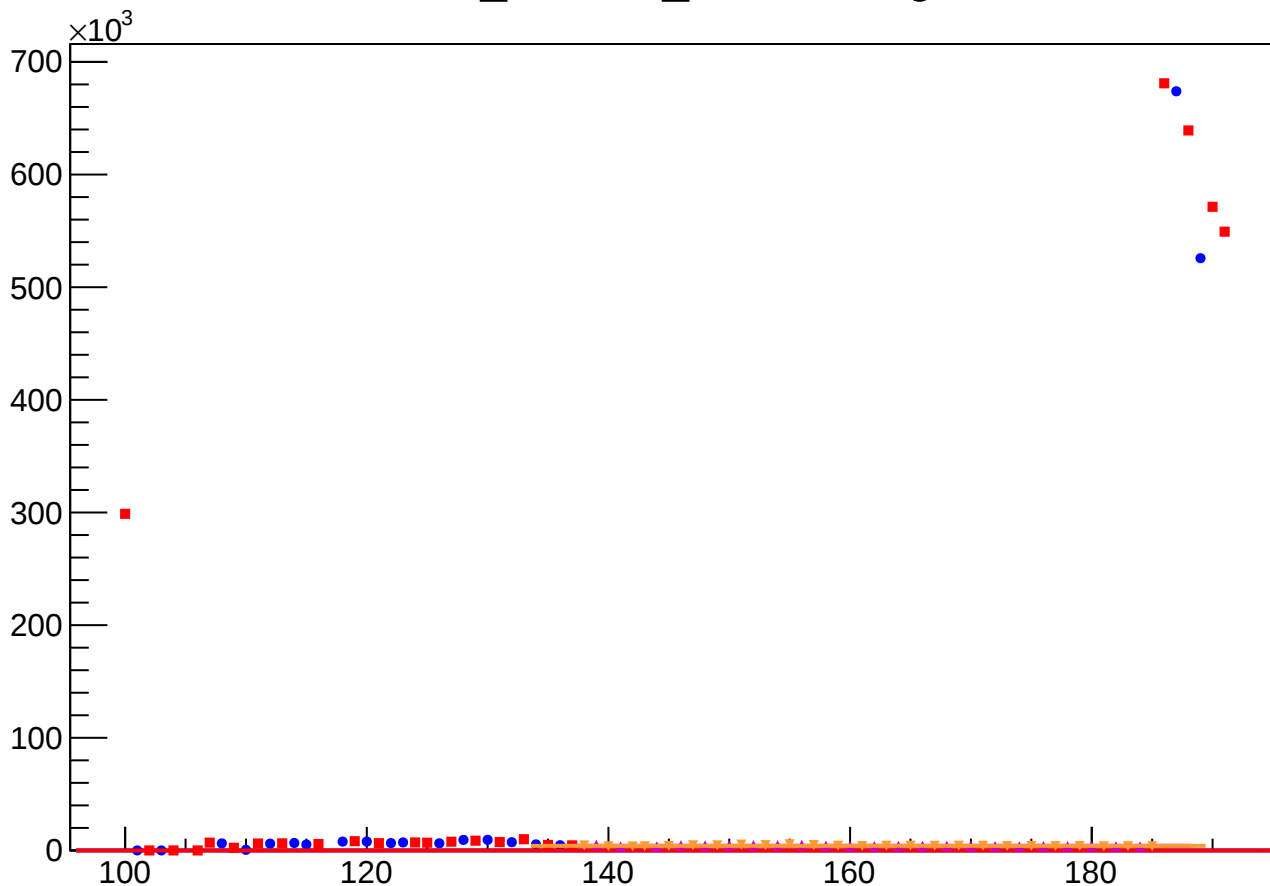
Left In: -0.193 $\pm$ 0.990 χ^2 /NDF: 29.2/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 96.4/43

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 147.4/89

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 51.0/45

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 $\chi^2/\text{NDF}: 14484166.1/22$

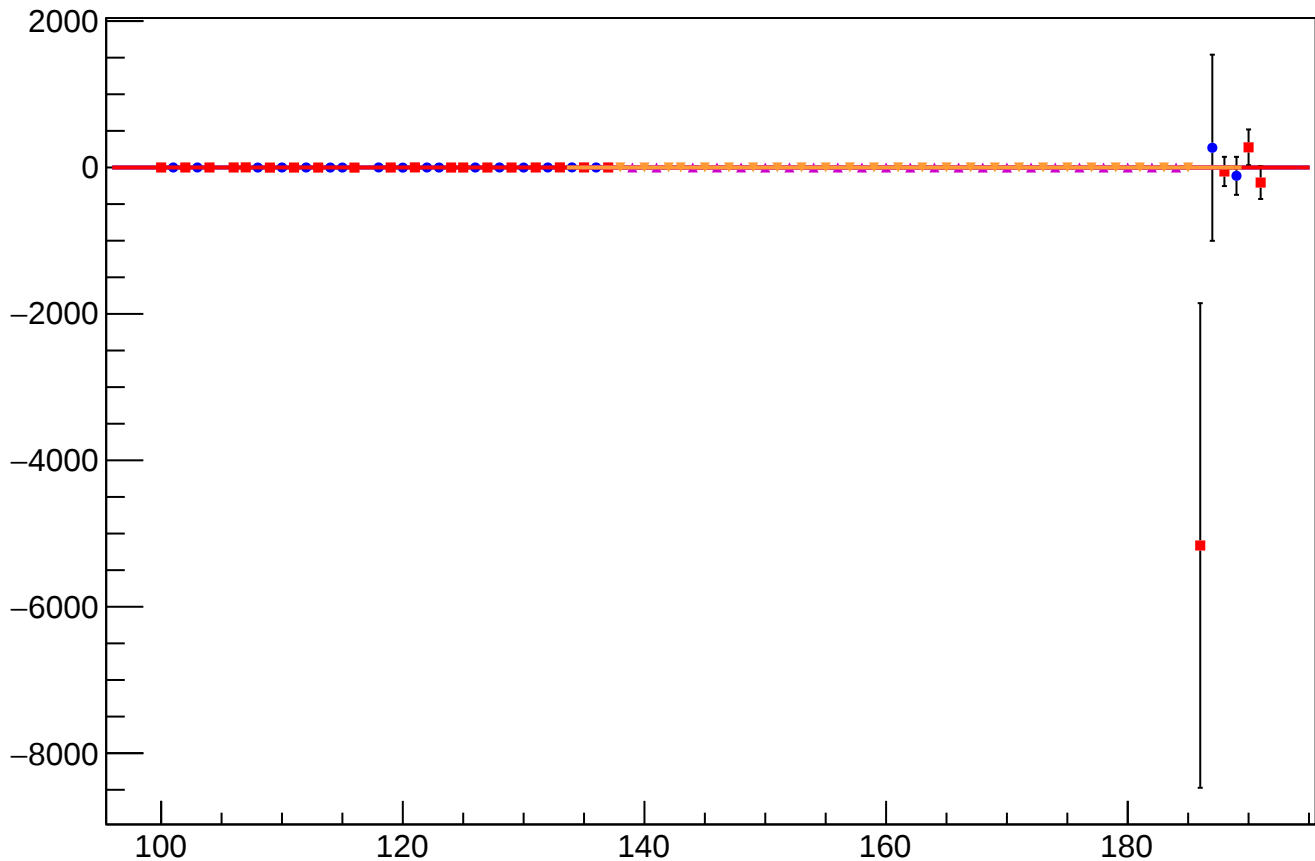
Left In: 4113.744 ± 0.700 $\chi^2/\text{NDF}: 354965.8/22$

+ sign 19.256 ± 0.015 $\chi^2/\text{NDF}: 47897820.4/43$

All: 19.070 ± 0.010 $\chi^2/\text{NDF}: 96954103.3/89$

- sign 18.902 ± 0.014 $\chi^2/\text{NDF}: 49055977.6/45$

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: 22.7/22

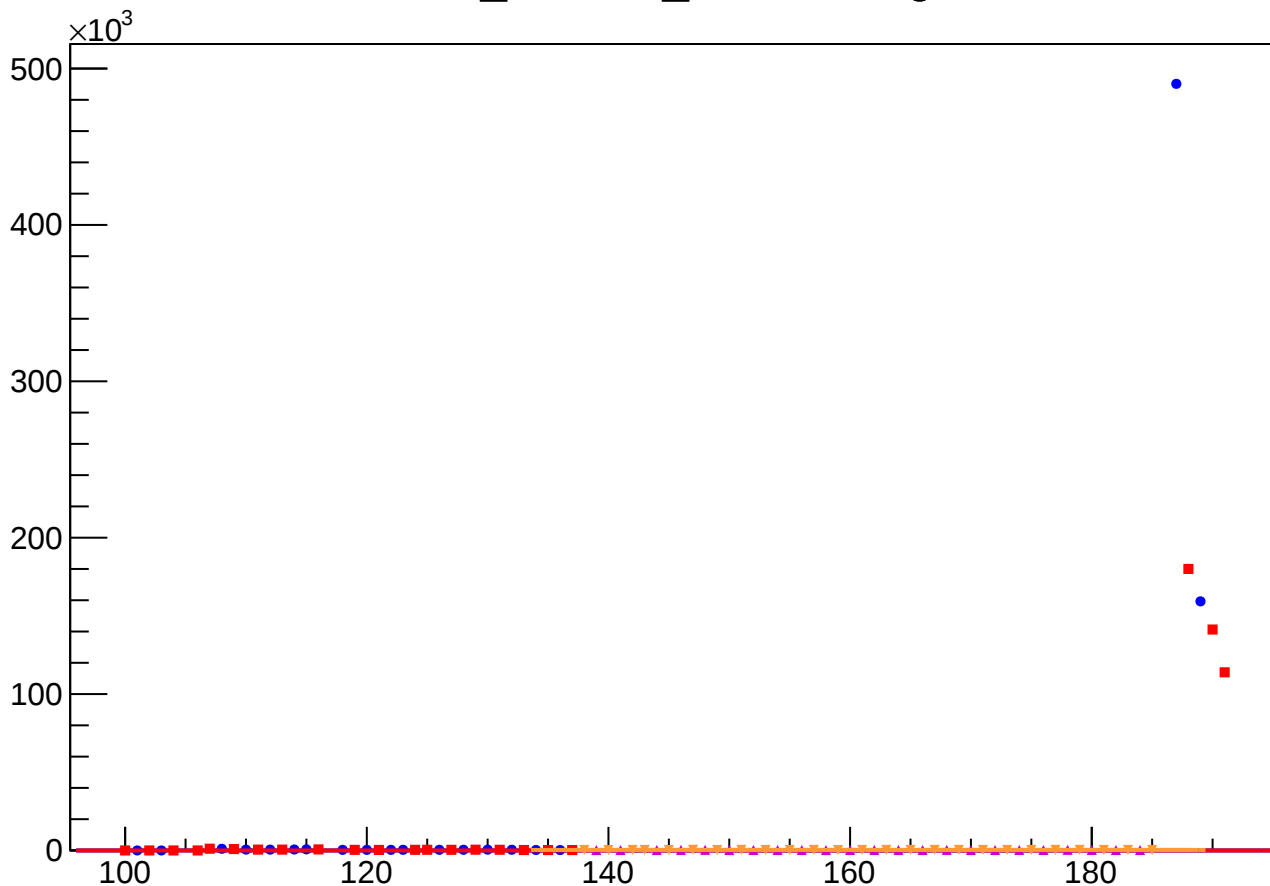
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 36.2/43

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 94.7/89

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 58.4/45

diff_cav4dY_rms vs Slug



Right In: 1.698 ± 0.001 χ^2/NDF : 11916633.7/18

Left Out: 325.469 ± 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.728 ± 0.001 χ^2/NDF : 13498796.6/21

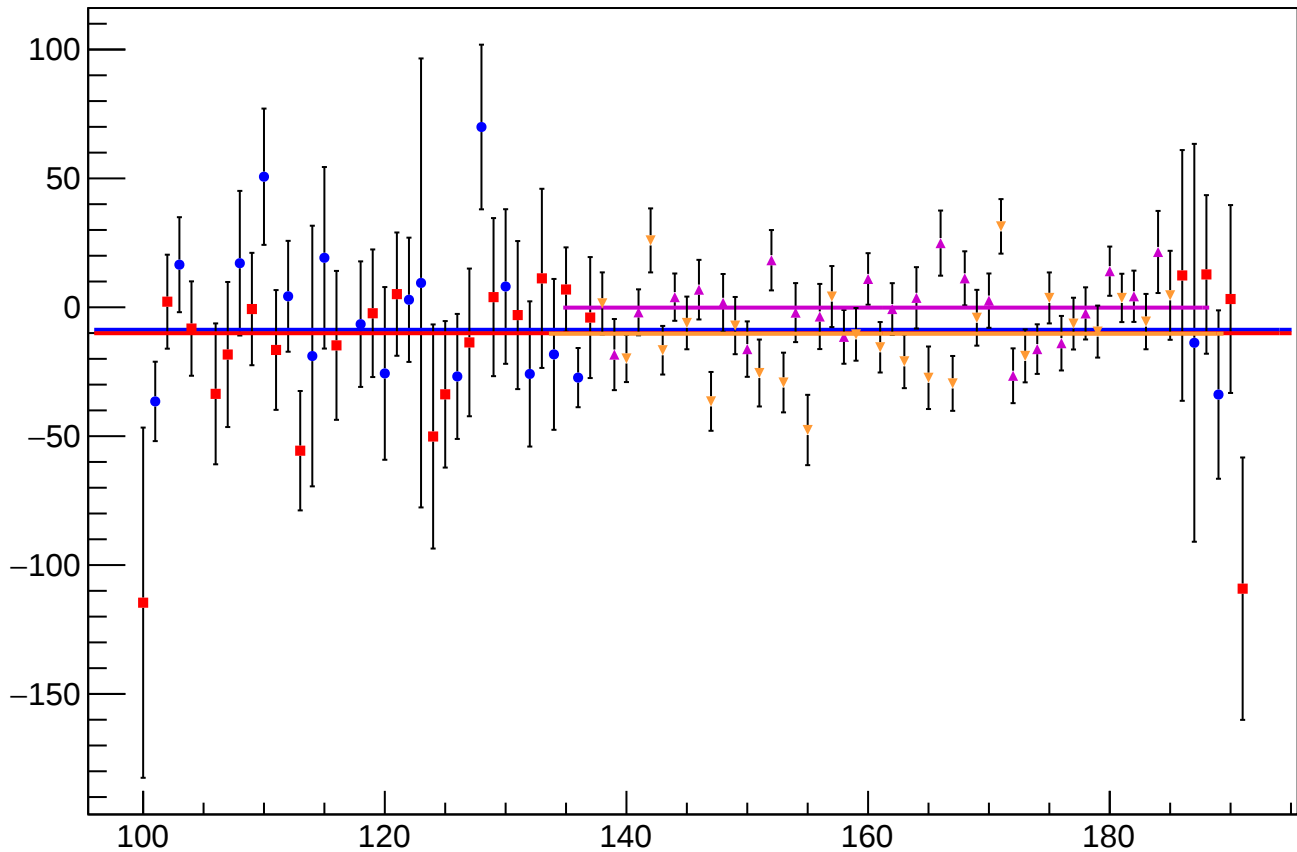
Left In: 325.201 ± 0.055 χ^2/NDF : 428069.7/22

+ sign 1.926 ± 0.001 χ^2/NDF : 48229008.8/43

All: 1.926 ± 0.001 χ^2/NDF : 96126878.2/88

- sign 1.926 ± 0.001 χ^2/NDF : 47897869.4/44

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: -10.061 ± 5.465 χ^2/NDF : 16.4/22

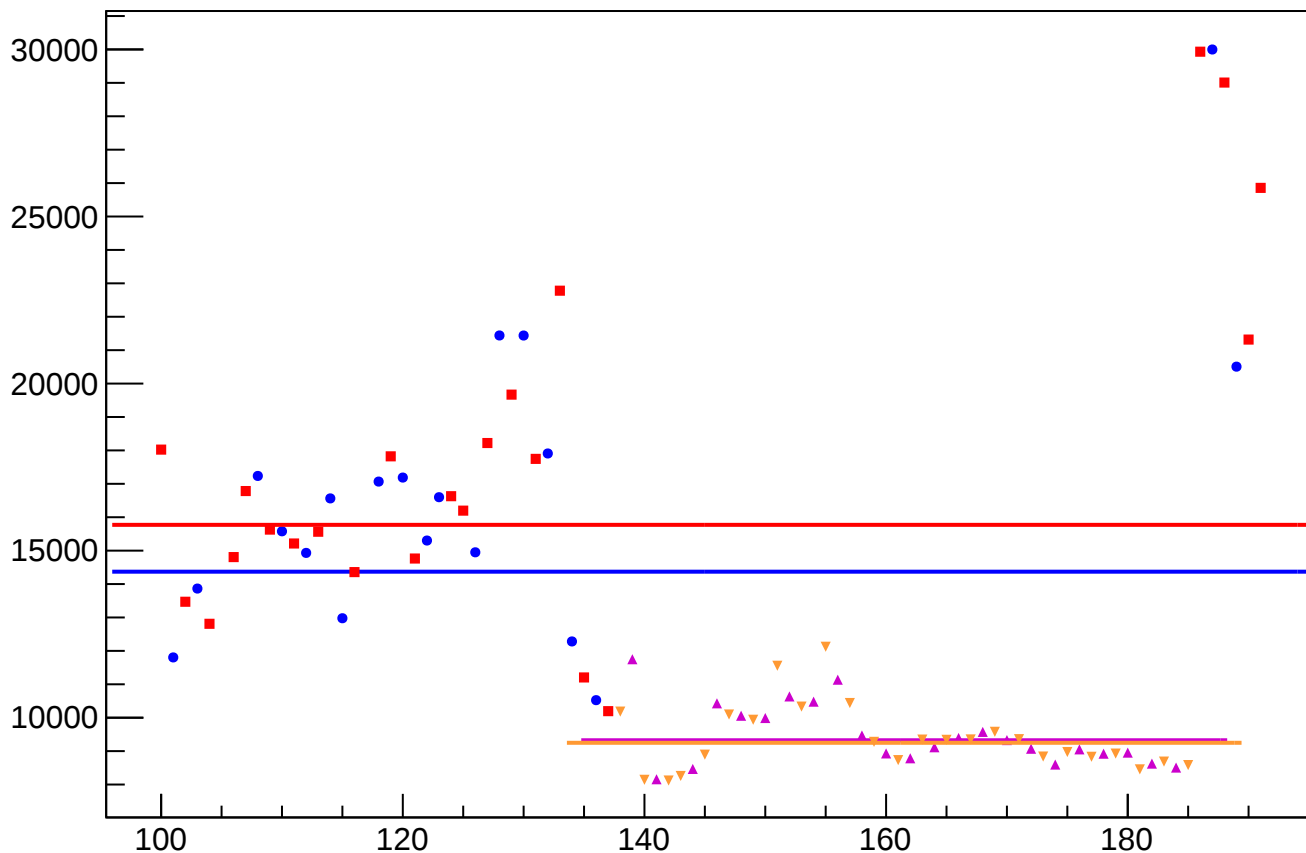
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.035 ± 2.018 χ^2/NDF : 81.3/43

All: -5.915 ± 1.446 χ^2/NDF : 138.8/89

- sign -1.561 ± 2.074 χ^2/NDF : 49.0/45

diff_bpm4aX_rms vs Slug



Right In: 14370.340+/-3.919 χ^2/NDF : 761880.3/18

Left Out: 9249.358+/-1.532 χ^2/NDF : 332003.4/24

Right Out: 15772.131+/-3.865 χ^2/NDF : 1187708.0/22

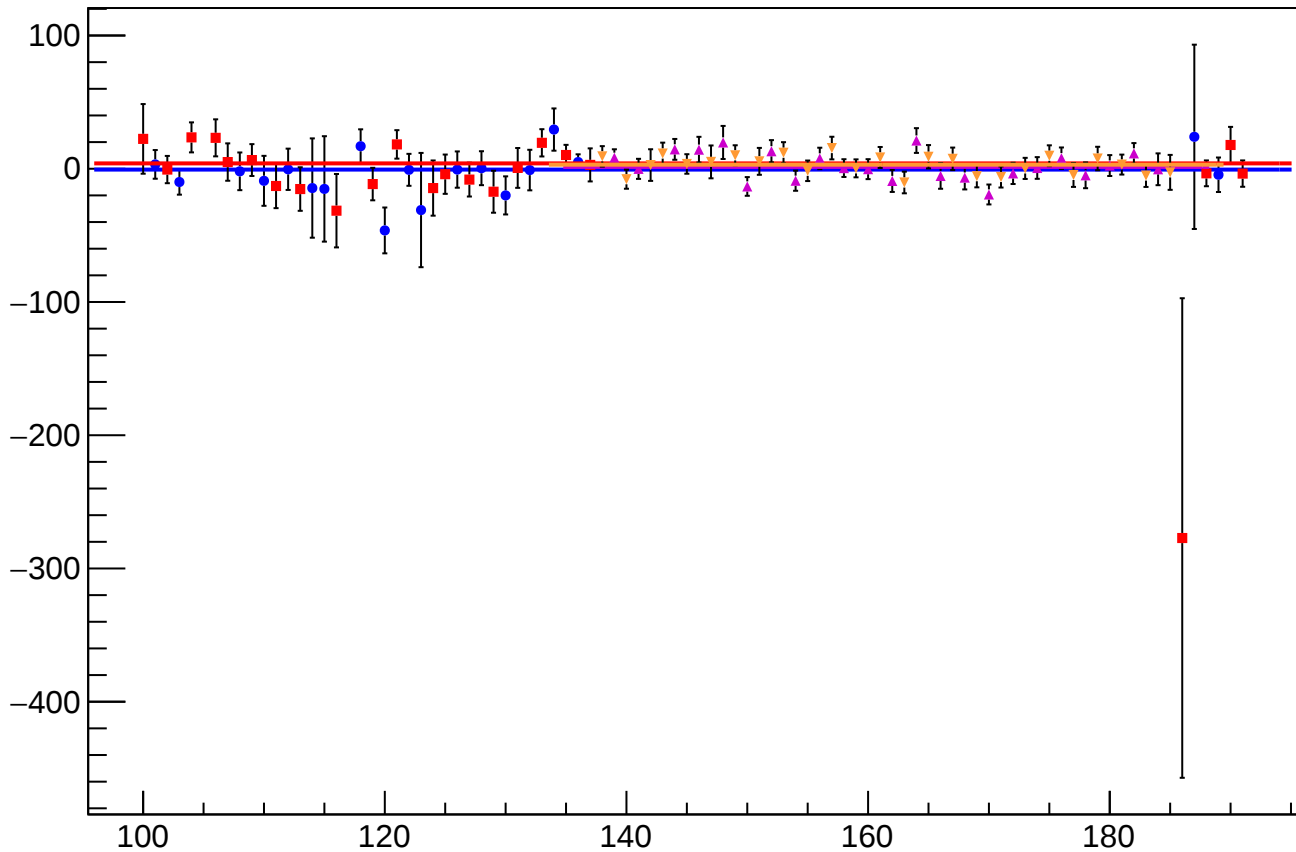
Left In: 9325.112+/-1.585 χ^2/NDF : 280927.7/22

+ sign 9928.249+/-1.427 χ^2/NDF : 2575065.2/43

All: 10086.593+/-1.023 χ^2/NDF : 6451166.1/8

- sign 10253.928+/-1.467 χ^2/NDF : 3850772.1/45

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: 4.019 ± 2.658 χ^2/NDF : 24.7/22

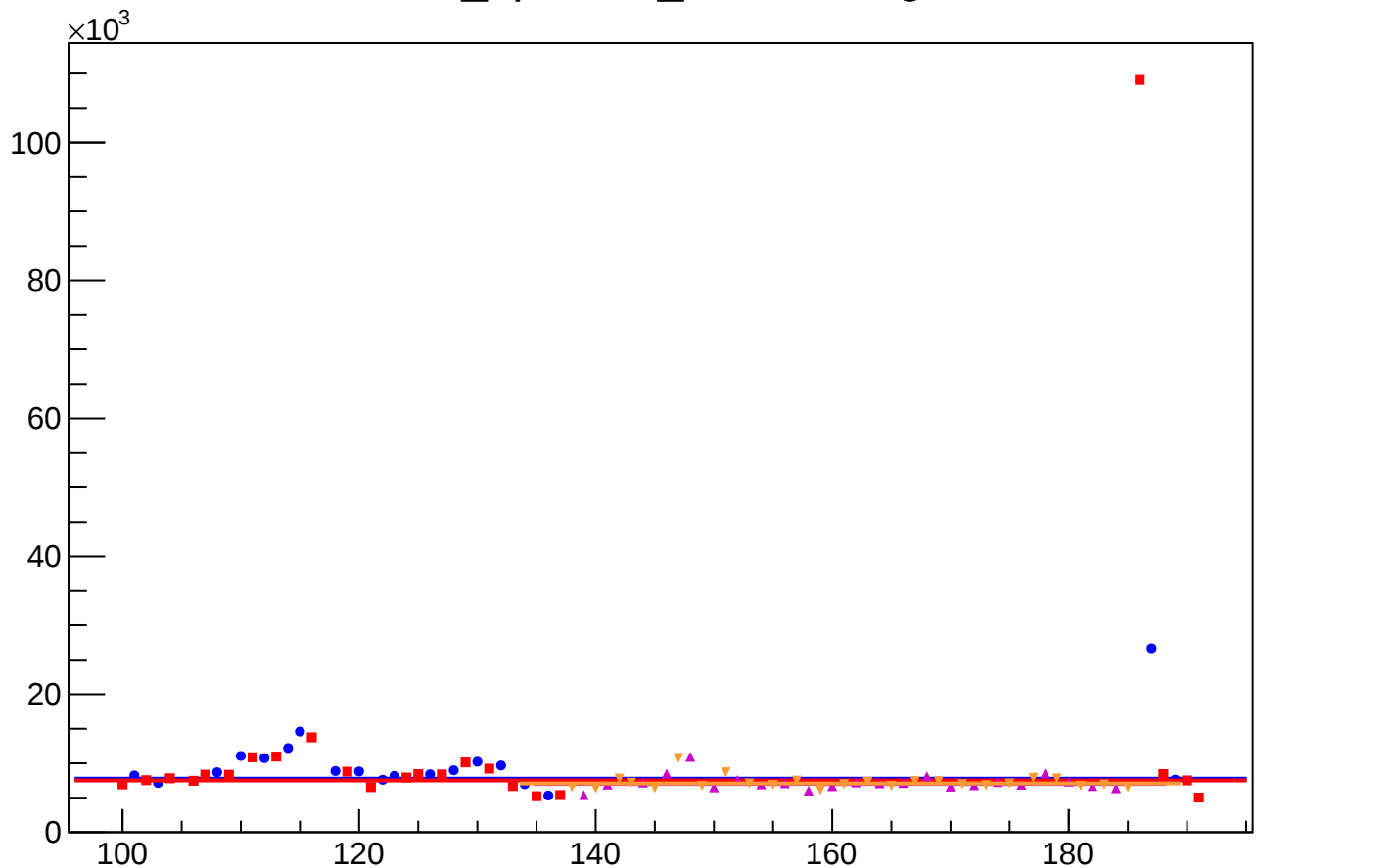
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.199 ± 1.452 χ^2/NDF : 37.1/43

All: 2.175 ± 1.018 χ^2/NDF : 97.8/89

- sign 2.152 ± 1.428 χ^2/NDF : 60.7/45

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: 7511.429 ± 1.879 χ^2/NDF : 1463426.9/22

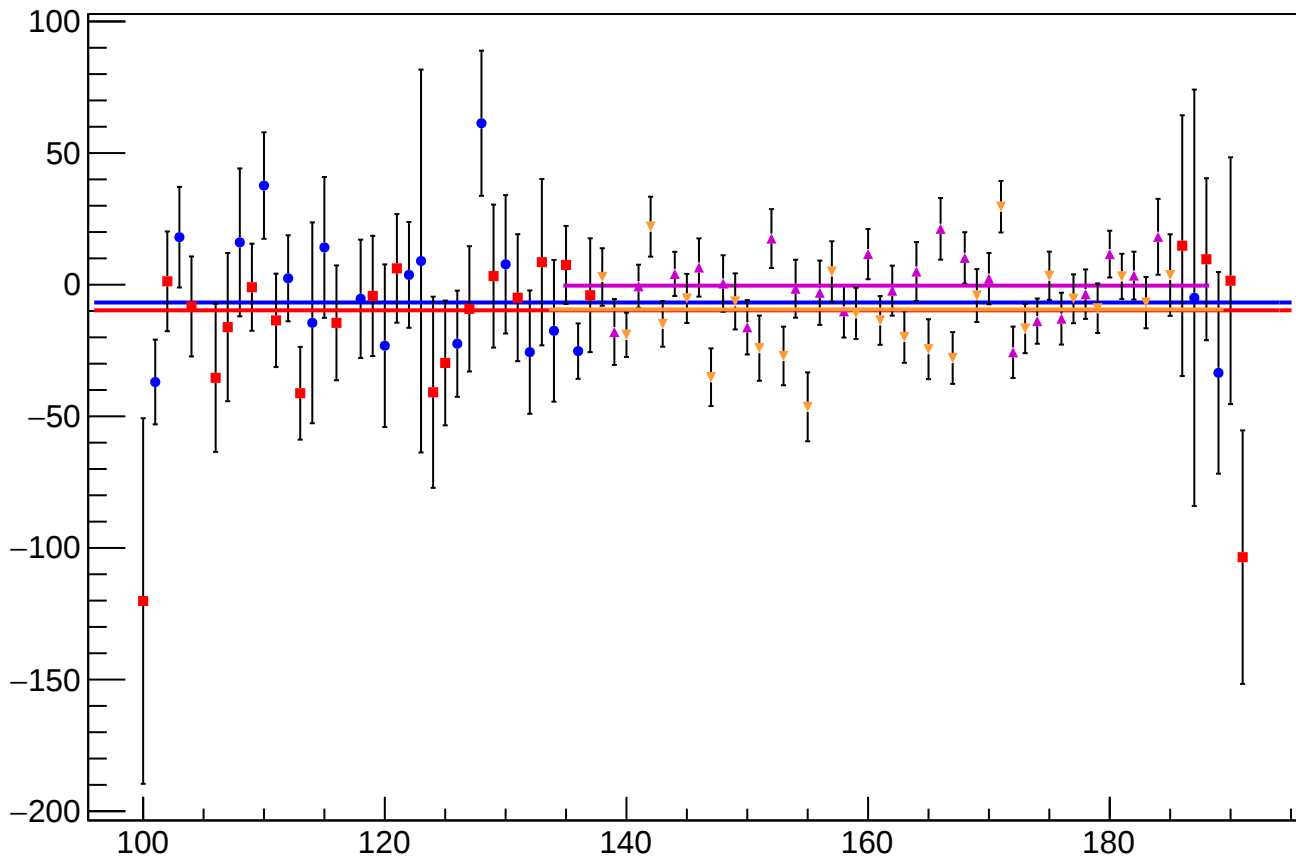
Left In: 7000.532 ± 1.197 χ^2/NDF : 550029.3/22

+ sign 7228.141 ± 1.027 χ^2/NDF : 1360663.4/43

All: 7187.420 ± 0.720 χ^2/NDF : 3429784.8/89

- sign 7148.030 ± 1.010 χ^2/NDF : 2066026.5/45

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: -9.735 ± 4.871 χ^2/NDF : 15.9/22

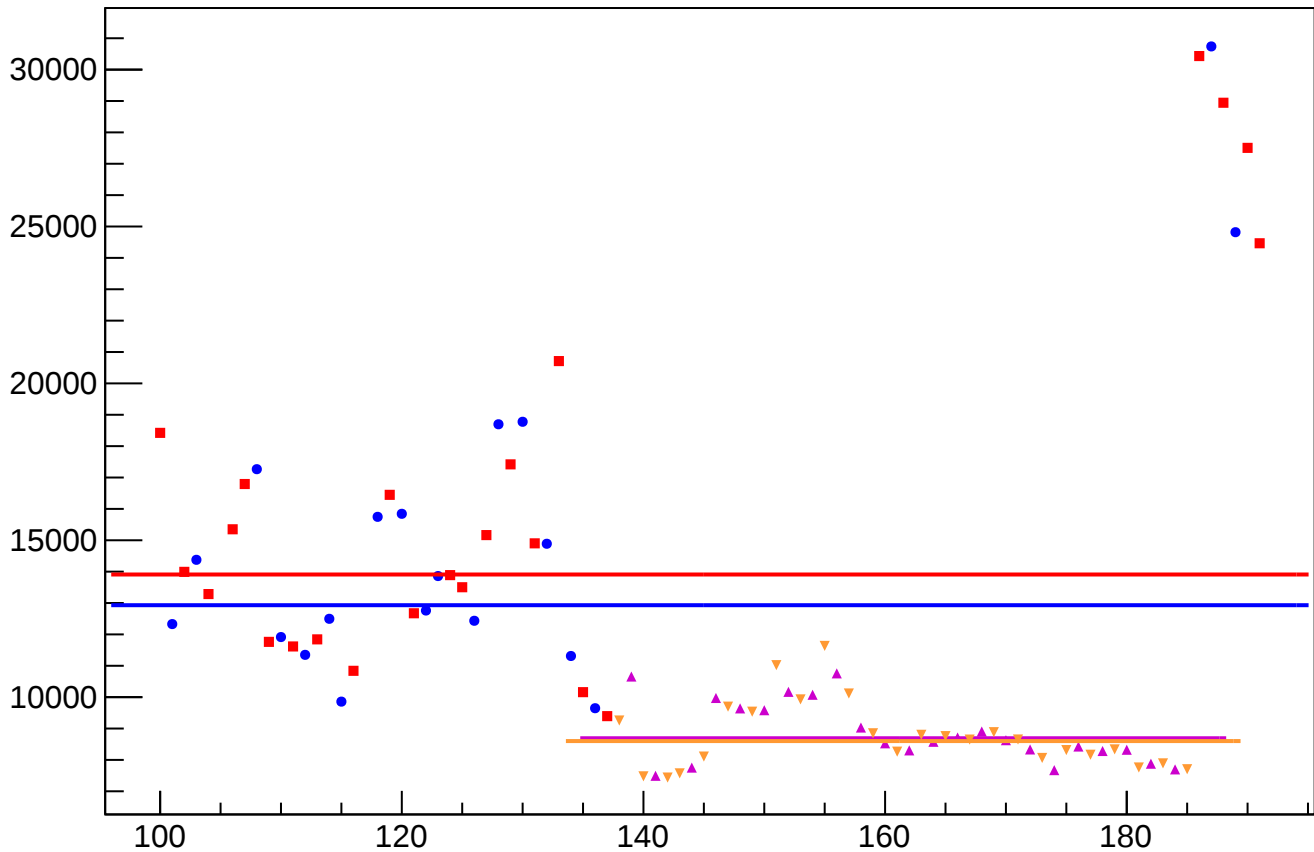
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.009 ± 1.871 χ^2/NDF : 82.3/43

All: -5.510 ± 1.341 χ^2/NDF : 138.2/89

- sign -1.815 ± 1.922 χ^2/NDF : 48.7/45

diff_bpm4eX_rms vs Slug



Right In: 12930.709+/-3.530 χ^2/NDF : 859409.1/18

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 13909.066+/-3.444 χ^2/NDF : 1518555.5/22

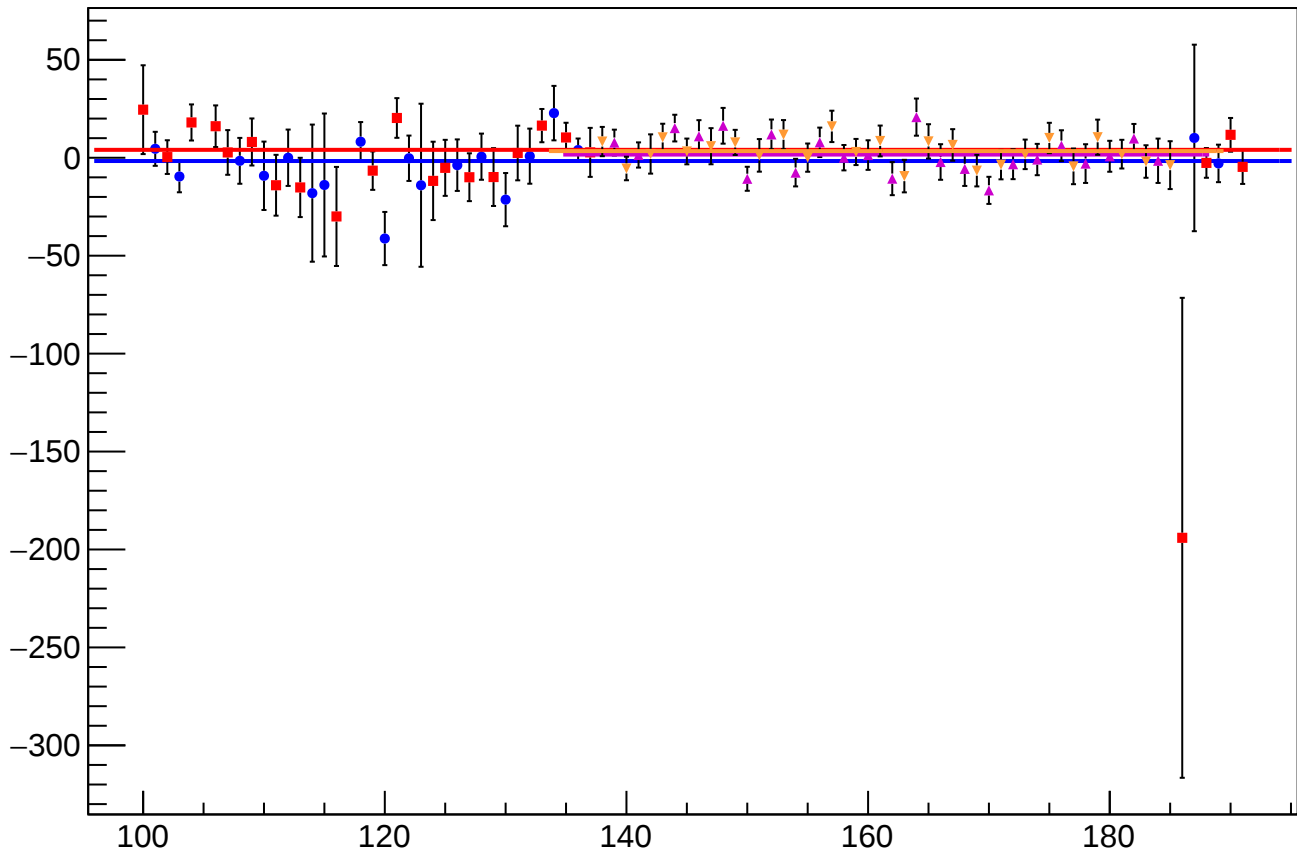
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 9208.556+/-1.323 χ^2/NDF : 2591185.5/43

All: 9351.778+/-0.948 χ^2/NDF : 6442805.5/89

- sign 9503.024+/-1.359 χ^2/NDF : 3827517.6/45

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: 4.043 ± 2.314 χ^2/NDF : 24.5/22

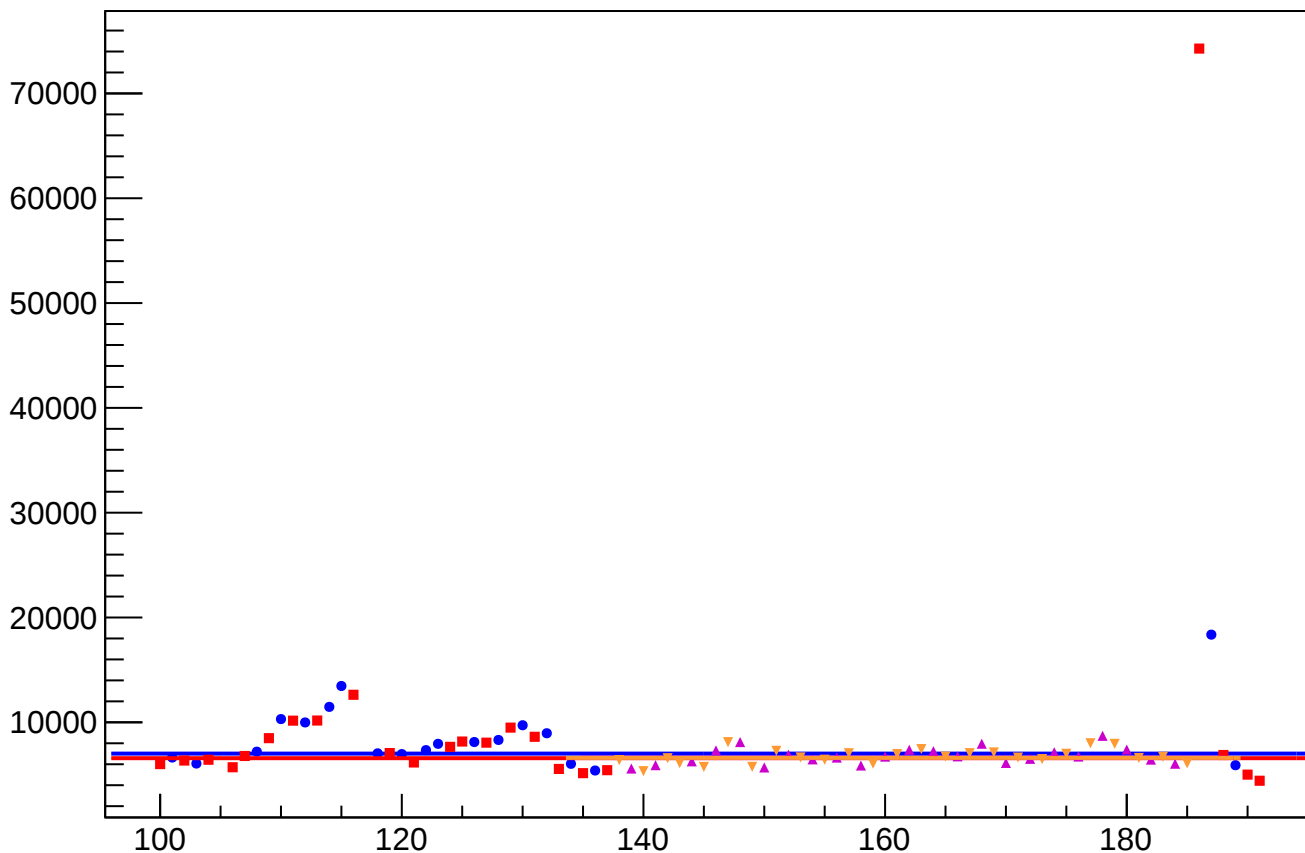
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.142 ± 1.344 χ^2/NDF : 37.4/43

All: 2.278 ± 0.940 χ^2/NDF : 96.1/89

- sign 2.408 ± 1.315 χ^2/NDF : 58.7/45

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: 6577.755 $\pm$ 1.636 χ^2 /NDF: 1510768.9/22

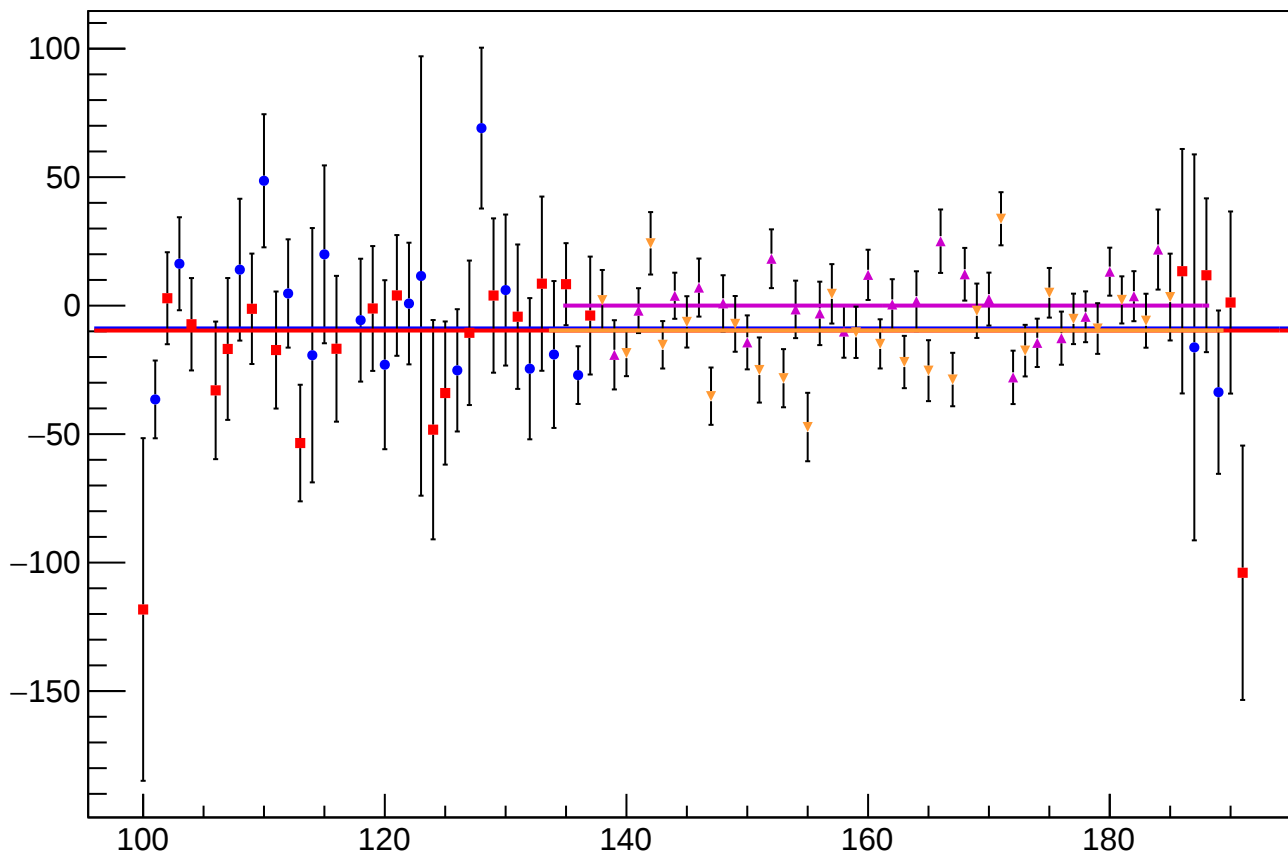
Left In: 6628.653 $\pm$ 1.131 χ^2 /NDF: 430282.2/22

+ sign 6708.356 $\pm$ 0.950 χ^2 /NDF: 1175593.6/43

All: 6659.261 $\pm$ 0.665 χ^2 /NDF: 3122529.5/89

- sign 6612.200 $\pm$ 0.930 χ^2 /NDF: 1941706.0/45

diff_bpm4acX_mean vs Slug



Right In: -8.874 ± 5.431 χ^2/NDF : 23.1/18

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -9.690 ± 5.355 χ^2/NDF : 16.4/22

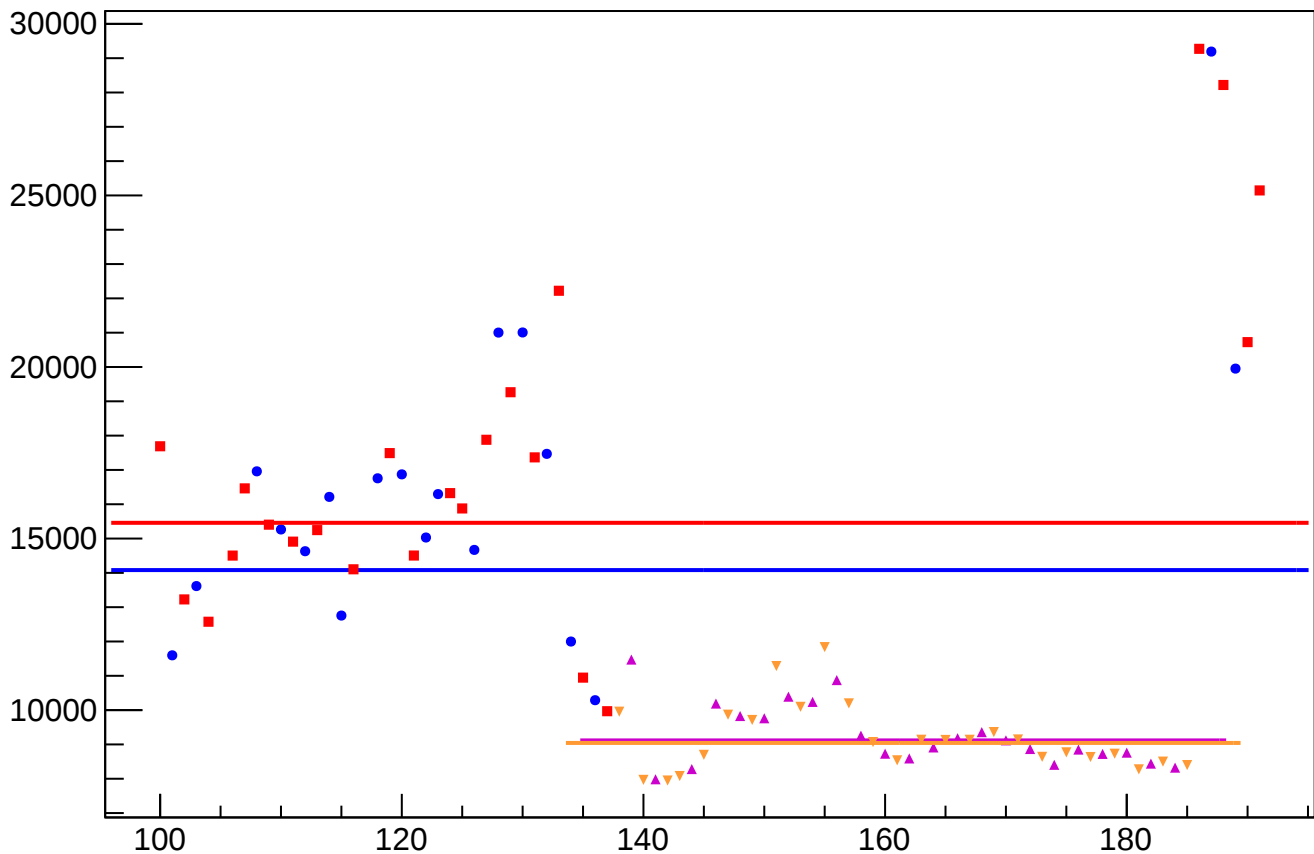
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.546 ± 1.973 χ^2/NDF : 82.9/43

All: -5.573 ± 1.415 χ^2/NDF : 141.1/89

- sign -1.374 ± 2.029 χ^2/NDF : 49.9/45

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

+ sign 9708.719+/-1.395 χ^2/NDF : 2583579.4/43

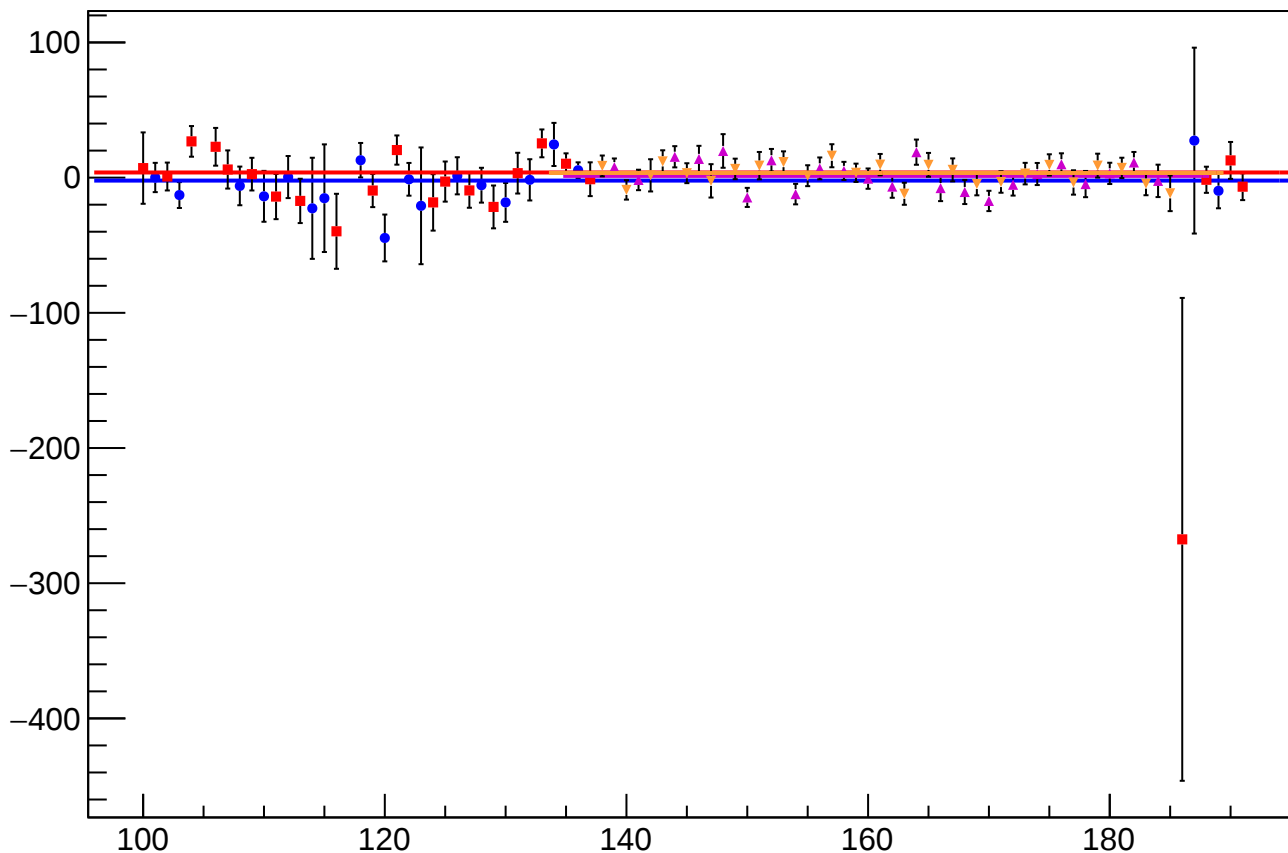
Right Out: 15458.867+/-3.787 χ^2/NDF : 1177639.6/22

All: 9863.486+/-1.000 χ^2/NDF : 6466642.2/89

- sign 10027.033+/-1.434 χ^2/NDF : 3857762.5/45

Left In: 9116.921+/-1.550 χ^2/NDF : 277594.8/22

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: 3.820 ± 2.675 χ^2/NDF : 29.3/22

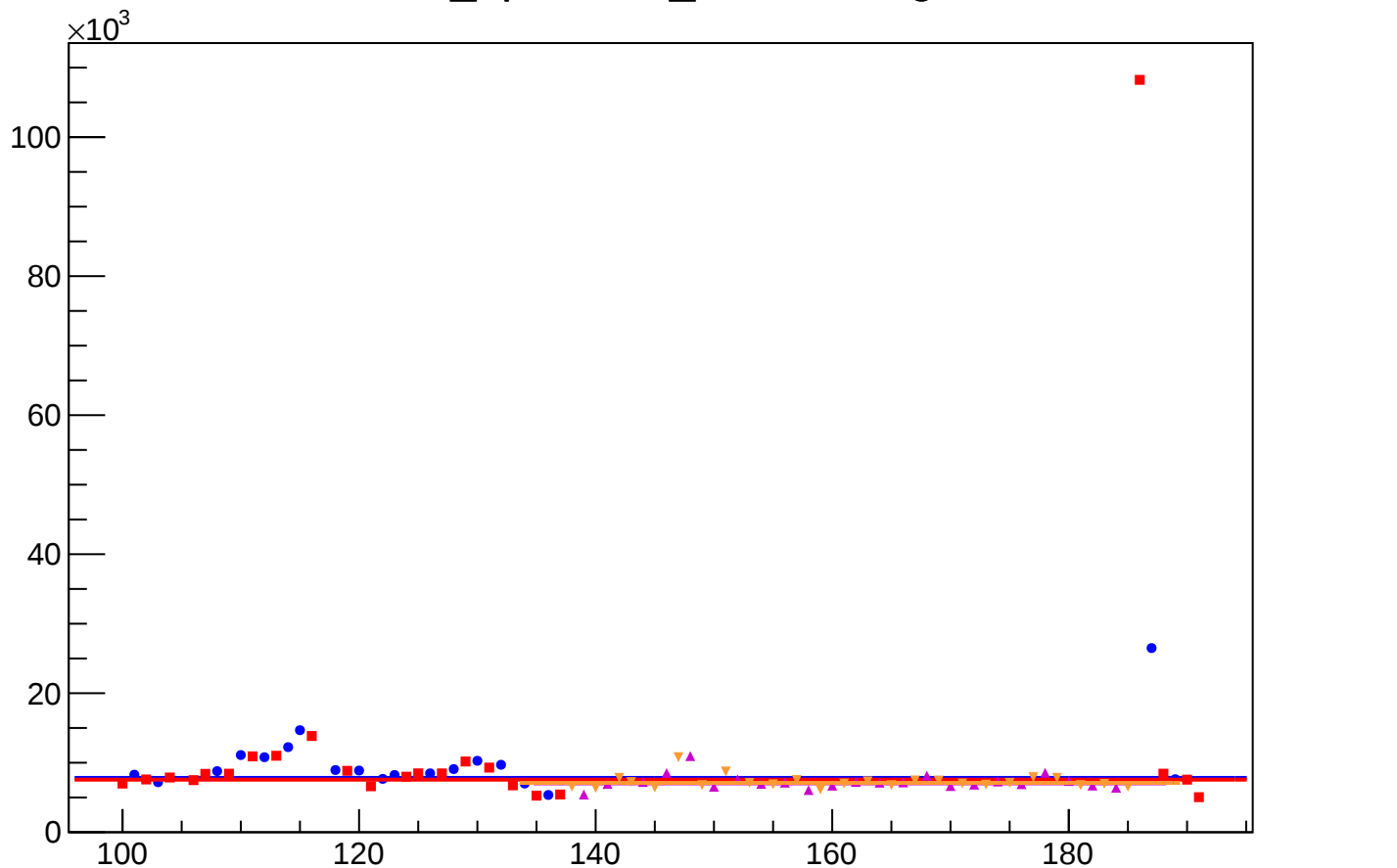
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.130 ± 1.459 χ^2/NDF : 37.8/43

All: 2.073 ± 1.023 χ^2/NDF : 104.3/89

- sign 2.019 ± 1.435 χ^2/NDF : 66.5/45

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: 7564.873 ± 1.892 $\chi^2/\text{NDF}: 1456078.0/22$

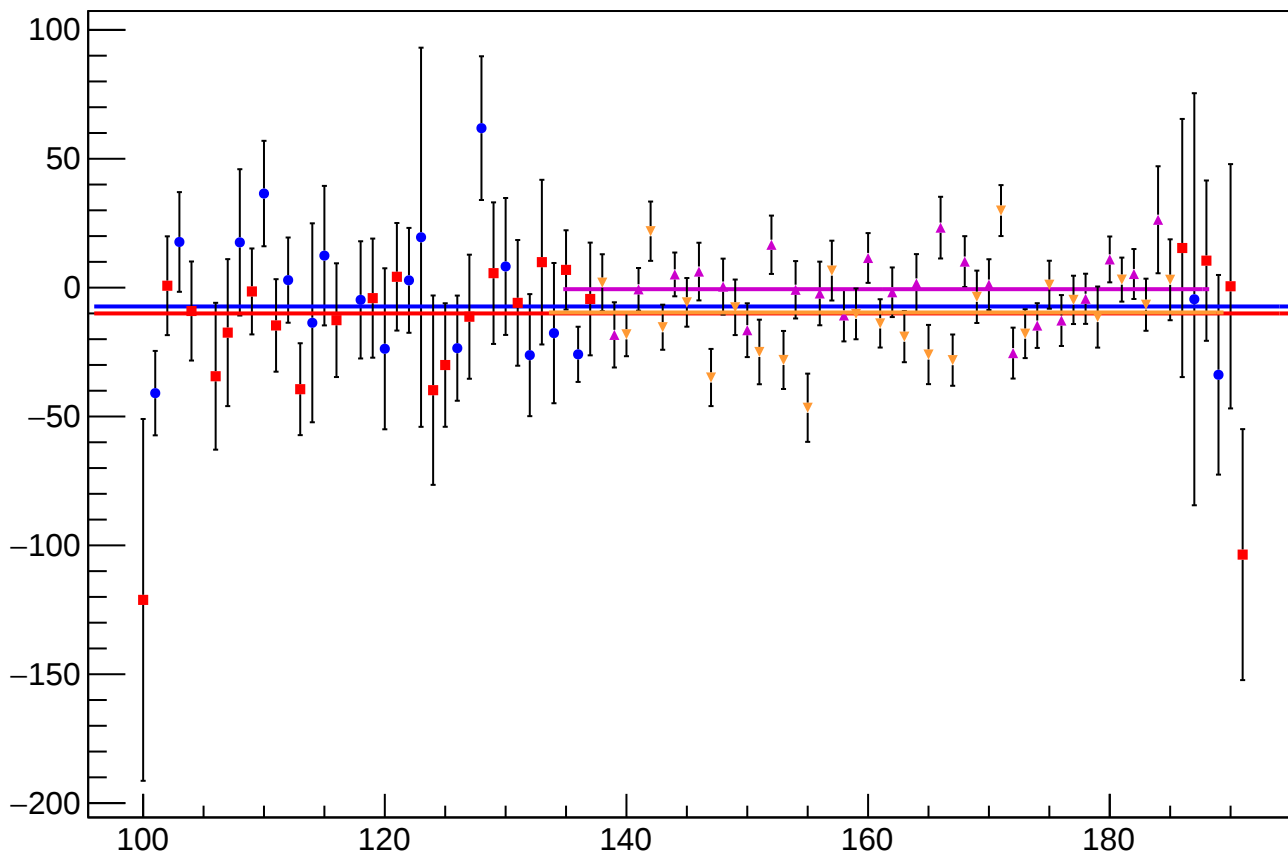
Left In: 7033.702 ± 1.203 $\chi^2/\text{NDF}: 541035.5/22$

+ sign 7265.159 ± 1.032 $\chi^2/\text{NDF}: 1354583.0/43$

All: 7225.234 ± 0.724 $\chi^2/\text{NDF}: 3410788.9/89$

- sign 7186.601 ± 1.015 $\chi^2/\text{NDF}: 2053259.7/45$

diff_bpm4ecX_mean vs Slug



Right In: -7.306 $\pm$ 5.059 χ^2/NDF : 24.2/18

Left Out: -9.640 $\pm$ 2.057 χ^2/NDF : 57.6/24

Right Out: -10.012 $\pm$ 4.940 χ^2/NDF : 15.0/22

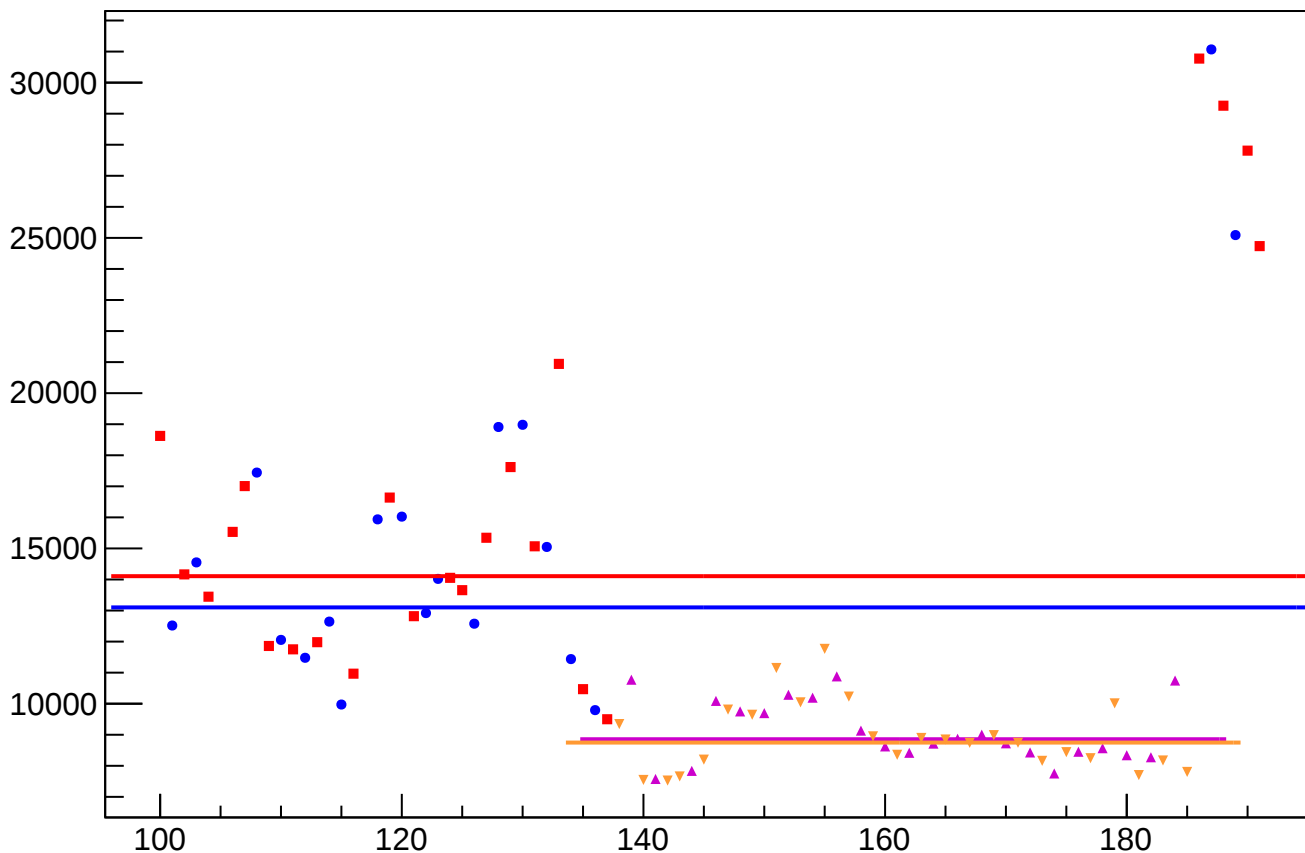
Left In: -0.599 $\pm$ 2.135 χ^2/NDF : 29.7/22

+ sign -9.309 $\pm$ 1.906 χ^2/NDF : 82.1/43

All: -5.796 $\pm$ 1.366 χ^2/NDF : 136.8/89

- sign -2.081 $\pm$ 1.960 χ^2/NDF : 47.7/45

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: 14106.710+/-3.493 χ^2/NDF : 1500555.7/22

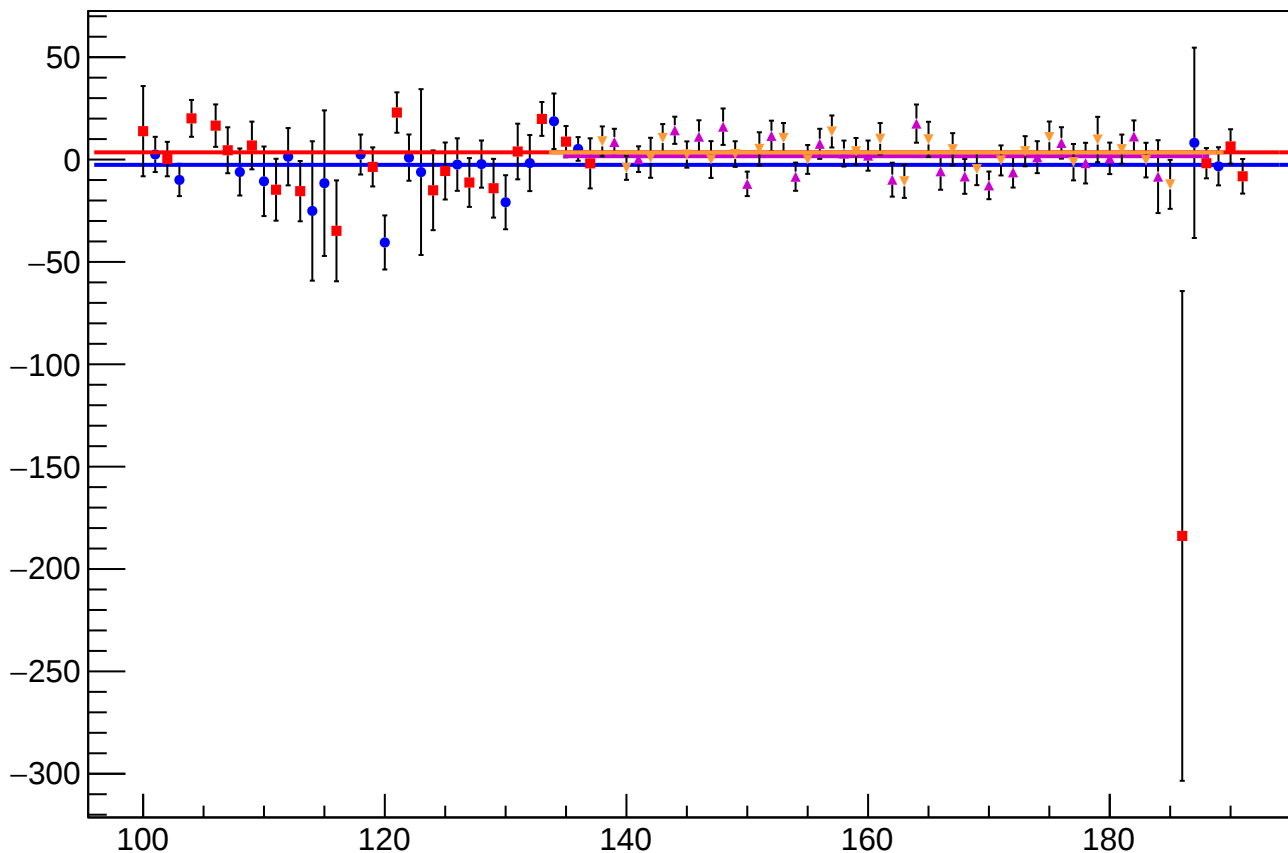
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 9366.089+/-1.348 χ^2/NDF : 2585736.5/43

All: 9519.705+/-0.966 χ^2/NDF : 6384961.8/89

- sign 9682.166+/-1.386 χ^2/NDF : 3772486.2/45

diff_bpm4ecY_mean vs Slug



Right In: -2.590 ± 2.635 $\chi^2/\text{NDF}: 17.0/18$

Left Out: 3.473 ± 1.524 $\chi^2/\text{NDF}: 15.8/24$

Right Out: 3.526 ± 2.264 $\chi^2/\text{NDF}: 29.3/22$

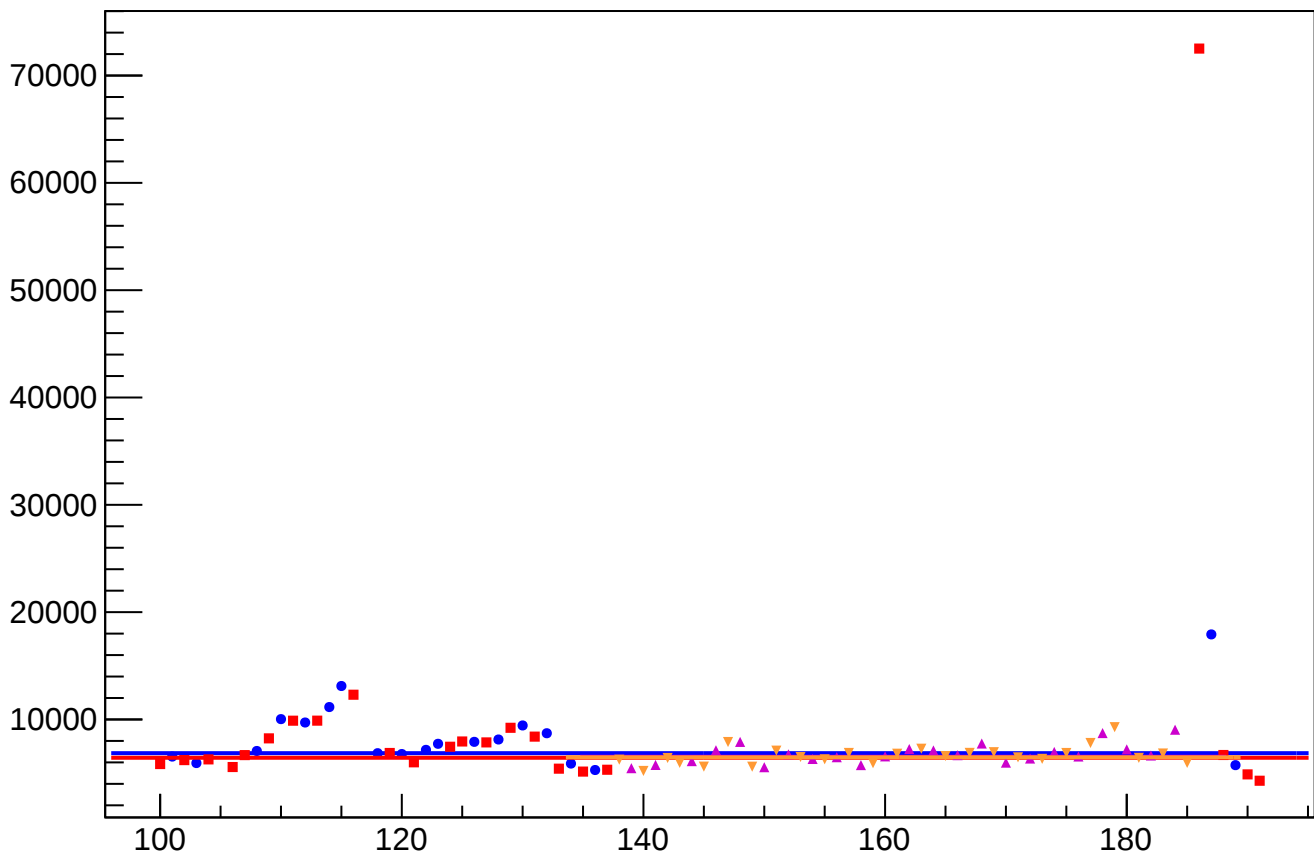
Left In: 1.638 ± 1.578 $\chi^2/\text{NDF}: 33.7/22$

+ sign 1.953 ± 1.319 $\chi^2/\text{NDF}: 36.7/43$

All: 2.107 ± 0.924 $\chi^2/\text{NDF}: 100.3/89$

- sign -2.256 ± 1.294 $\chi^2/\text{NDF}: 63.5/45$

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: 6432.072+/-1.601 χ^2/NDF : 1492011.0/22

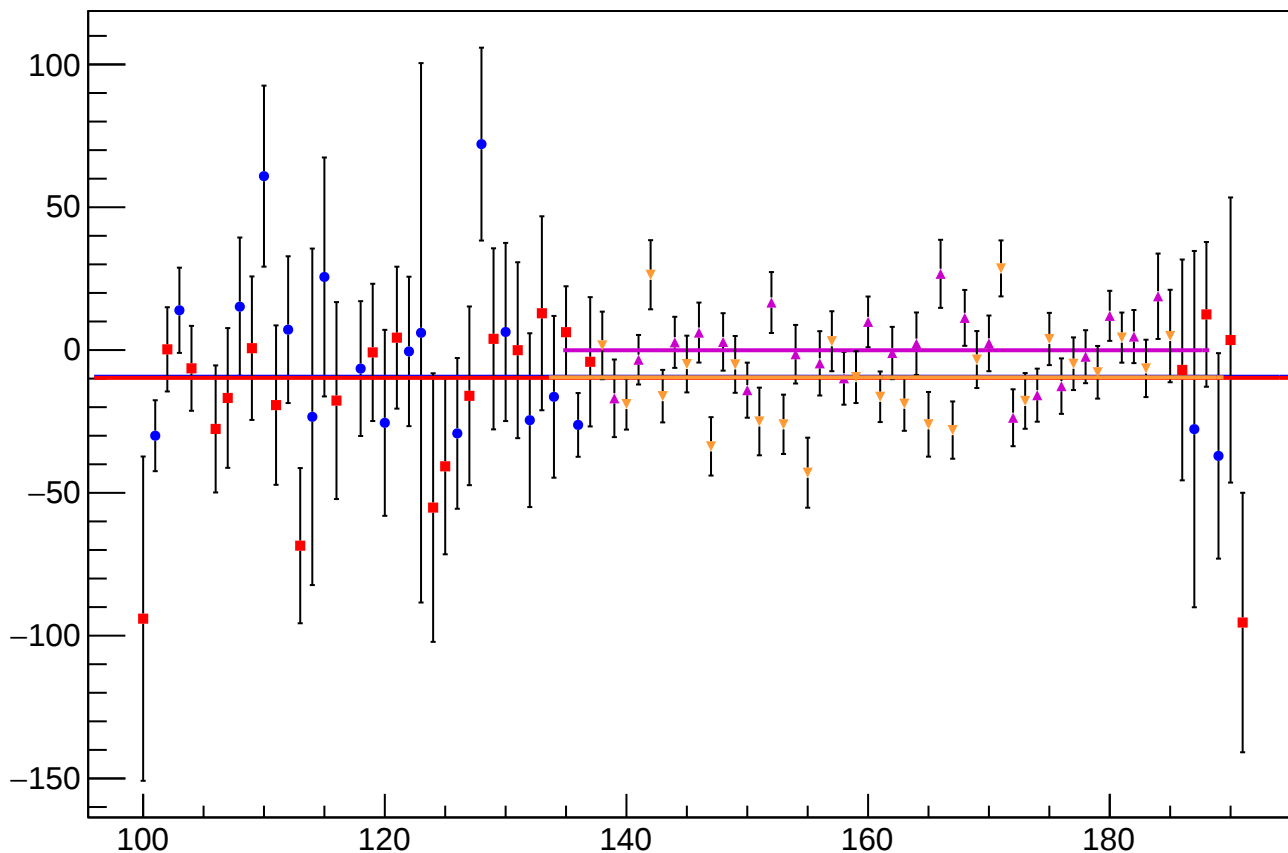
Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22

+ sign 6569.032+/-0.933 χ^2/NDF : 1253585.6/43

All: 6530.075+/-0.653 χ^2/NDF : 3231176.2/89

- sign 6492.578+/-0.915 χ^2/NDF : 1974168.8/45

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: -9.734 ± 5.276 χ^2/NDF : 17.1/22

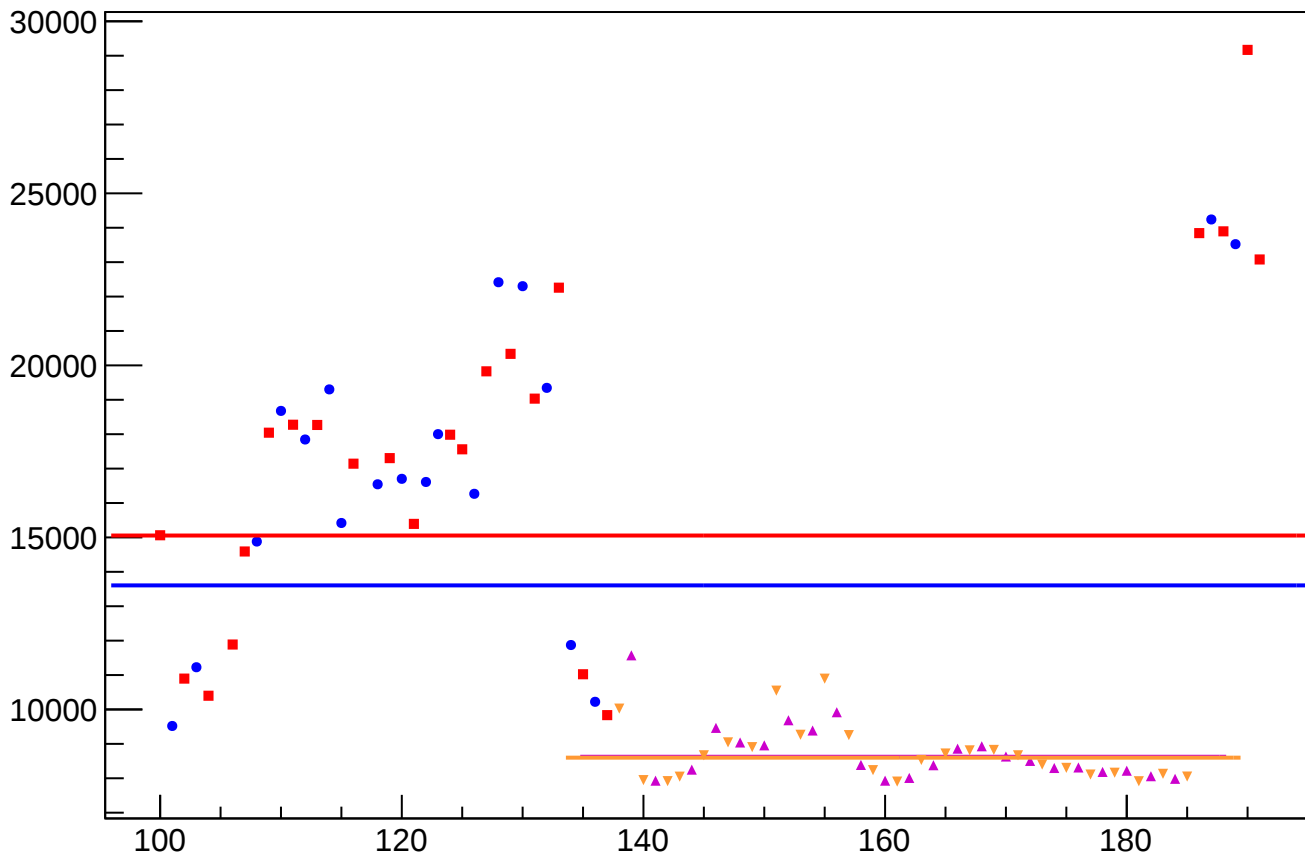
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.527 ± 1.883 χ^2/NDF : 82.2/43

All: -5.545 ± 1.347 χ^2/NDF : 141.1/89

- sign -1.363 ± 1.929 χ^2/NDF : 49.8/45

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: 15055.012+/-3.731 χ^2/NDF : 1552410.9/22

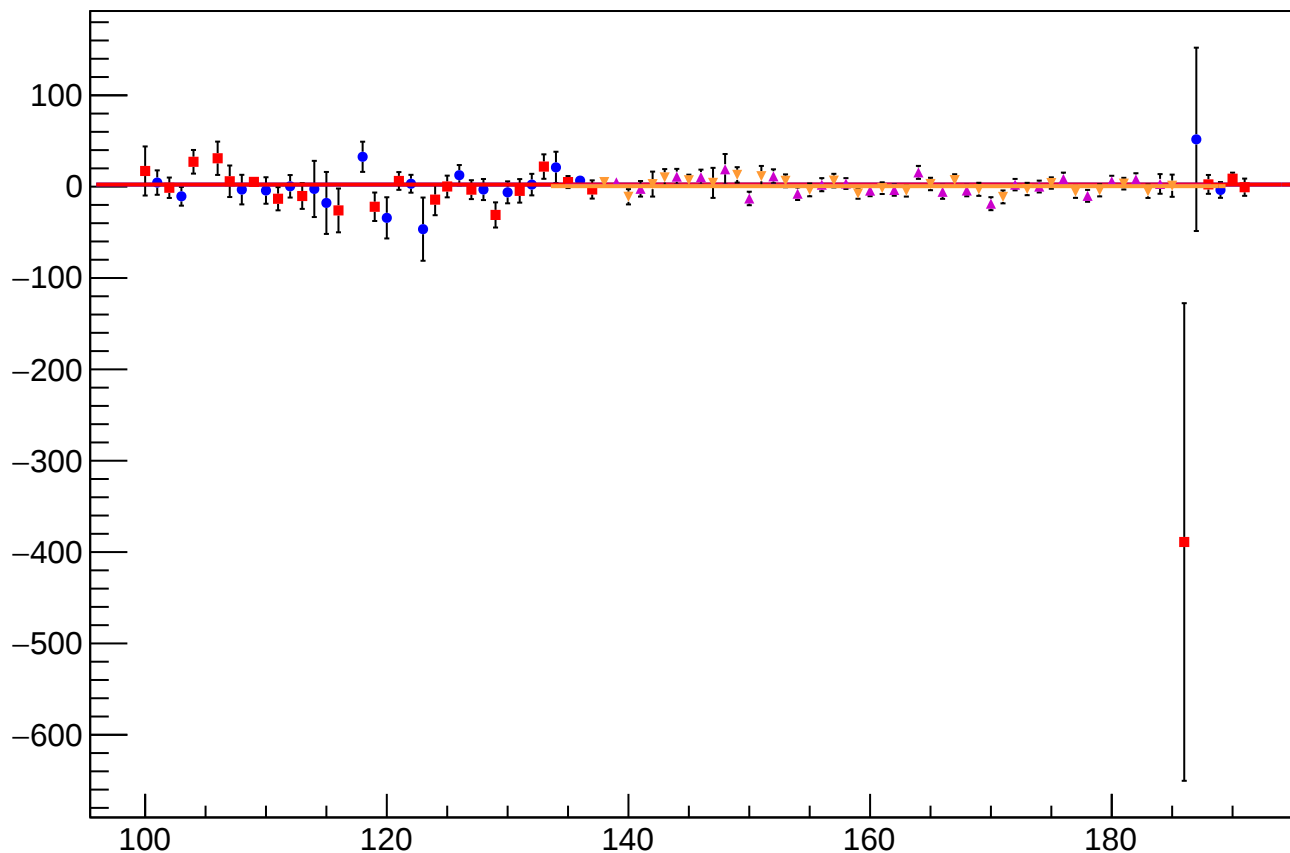
Left In: 8625.233+/-1.466 χ^2/NDF : 237310.9/22

+ sign 9221.552+/-1.331 χ^2/NDF : 3054790.0/43

All: 9349.967+/-0.953 χ^2/NDF : 7436559.8/89

- sign 9484.830+/-1.364 χ^2/NDF : 4362690.0/45

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: 2.301 $\pm$ 2.180 χ^2 /NDF: 26.6/22

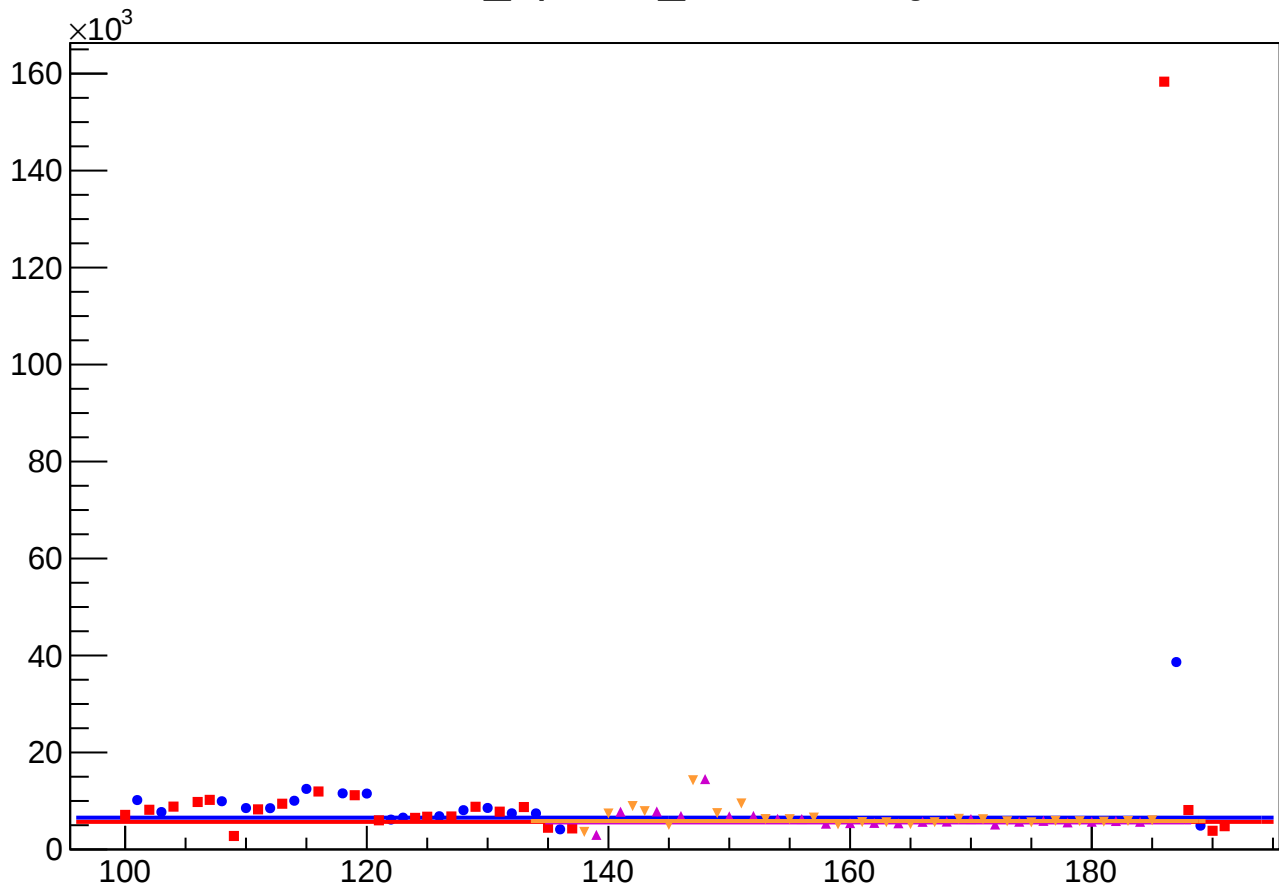
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.917 $\pm$ 1.248 χ^2 /NDF: 34.5/43

All: 1.180 $\pm$ 0.856 χ^2 /NDF: 94.0/89

- sign 1.413 $\pm$ 1.175 χ^2 /NDF: 59.4/45

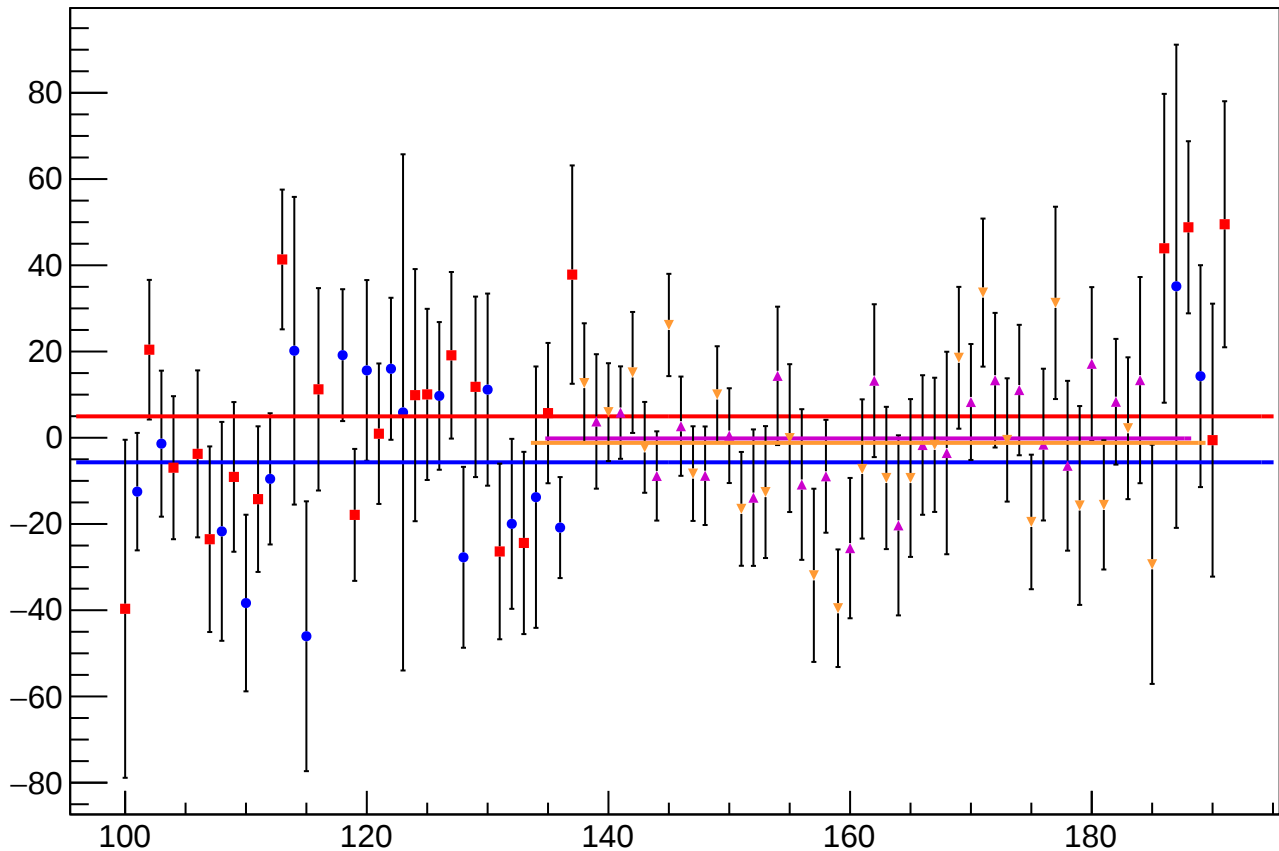
diff_bpm1Y_rms vs Slug



Right In: 6557.599 ± 1.860 χ^2/NDF : 1673038.0/18
 Left Out: 5860.605 ± 1.002 χ^2/NDF : 1690049.2/24
 Right Out: 5687.797 ± 1.541 χ^2/NDF : 3256596.4/22
 Left In: 5571.330 ± 0.987 χ^2/NDF : 2162788.3/22

+ sign 6017.526 ± 0.882 χ^2/NDF : 3471934.9/43
 All: 5799.020 ± 0.605 χ^2/NDF : 9011087.5/89
 - sign 5605.190 ± 0.831 χ^2/NDF : 5423434.5/45

diff_bpm11X_mean vs Slug



Right In: -5.694 ± 4.475 χ^2/NDF : 16.8/18

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 4.962 ± 4.167 χ^2/NDF : 29.2/22

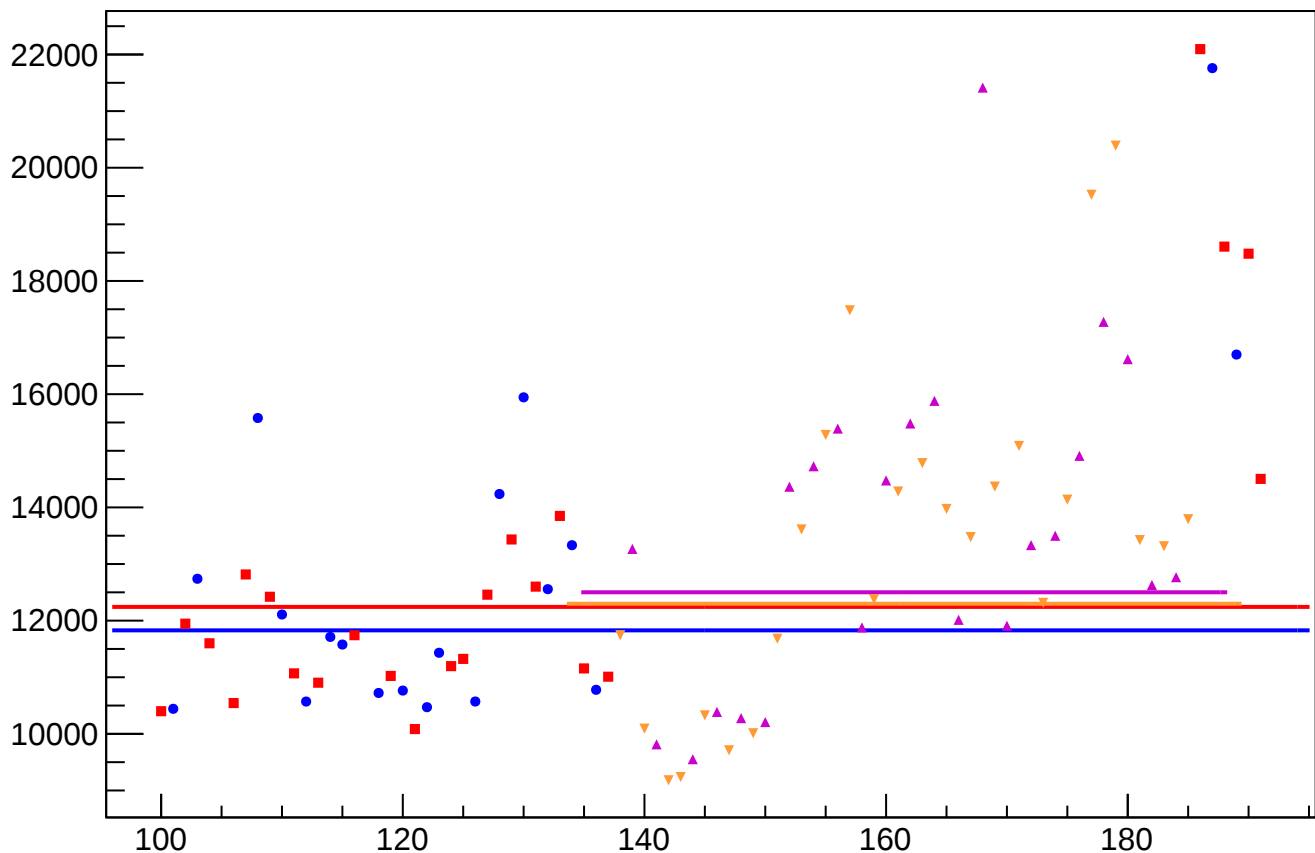
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.542 ± 2.456 χ^2/NDF : 51.2/43

All: -0.461 ± 1.740 χ^2/NDF : 94.4/89

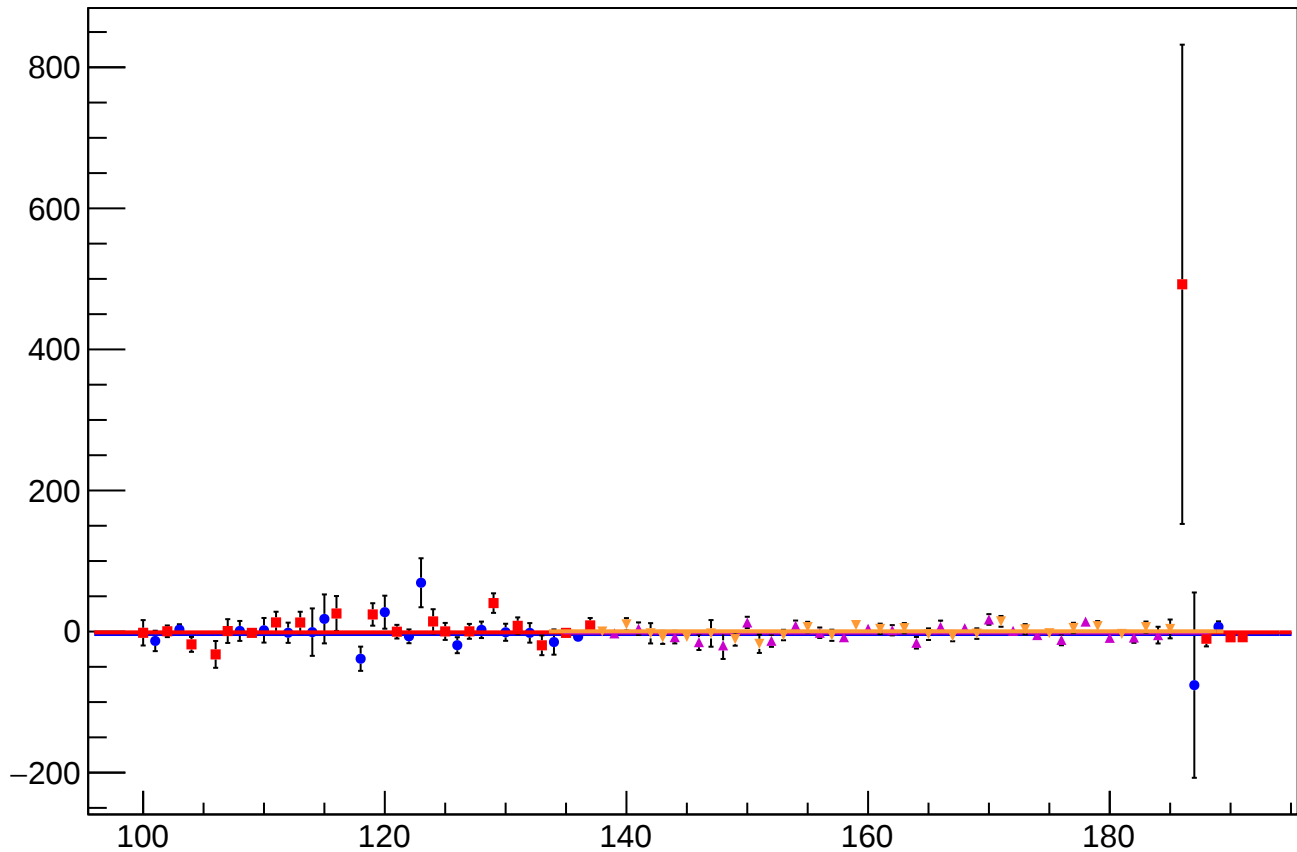
- sign 1.635 ± 2.465 χ^2/NDF : 41.7/45

diff_bpm11X_rms vs Slug



Right In: 11828.505+/-3.164	χ^2/NDF : 377224.5/18	+ sign 12157.003+/-1.737	χ^2/NDF : 1898676.1/43
Left Out: 12298.676+/-2.078	χ^2/NDF : 1506026.8/24	All: 12283.274+/-1.230	χ^2/NDF : 3853589.4/8
Right Out: 12242.721+/-2.947	χ^2/NDF : 581431.1/22	- sign 12410.465+/-1.743	χ^2/NDF : 1944305.8/45
Left In: 12500.795+/-2.162	χ^2/NDF : 1357889.1/22		

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: -1.152 ± 2.132 χ^2/NDF : 28.7/22

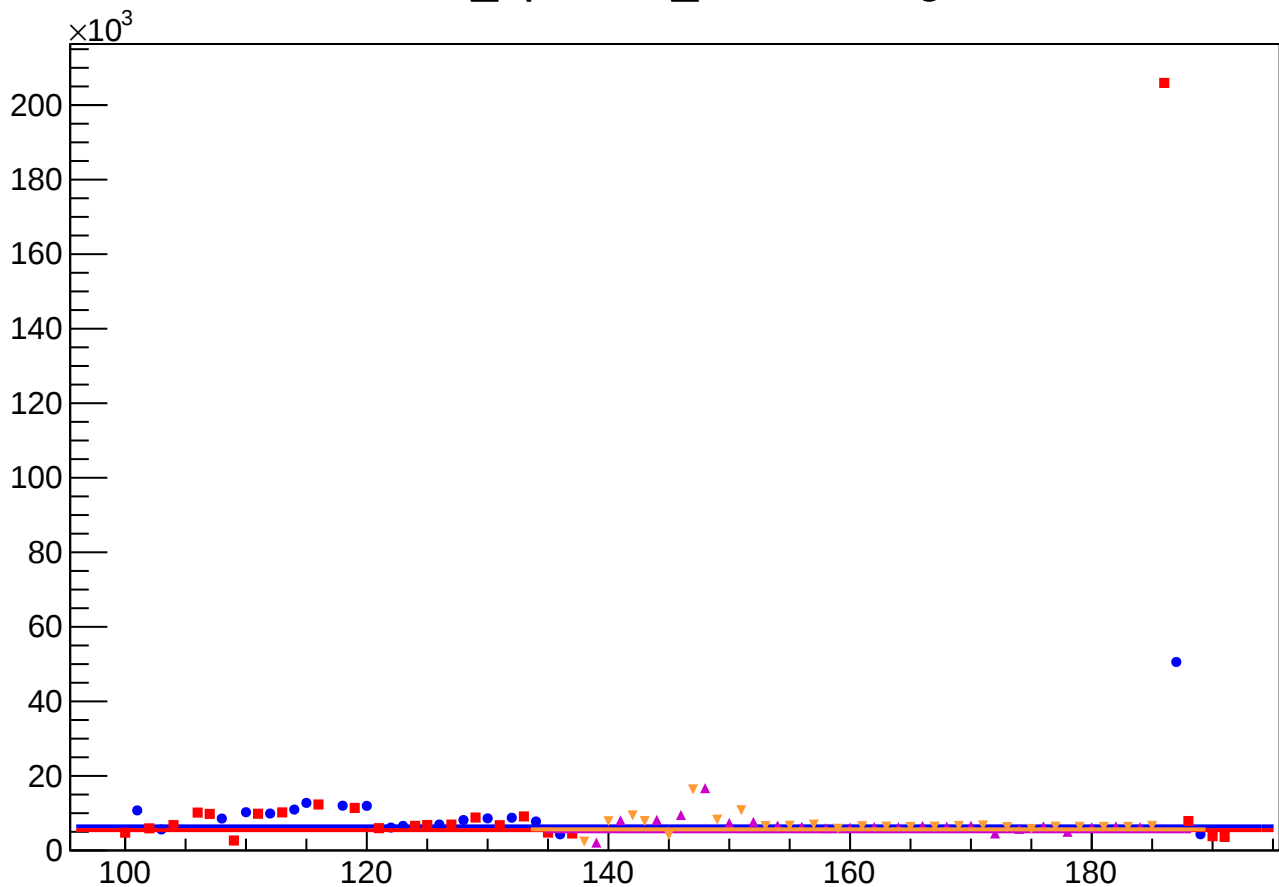
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign -0.530 ± 1.258 χ^2/NDF : 38.3/43

All: -0.873 ± 0.850 χ^2/NDF : 100.7/89

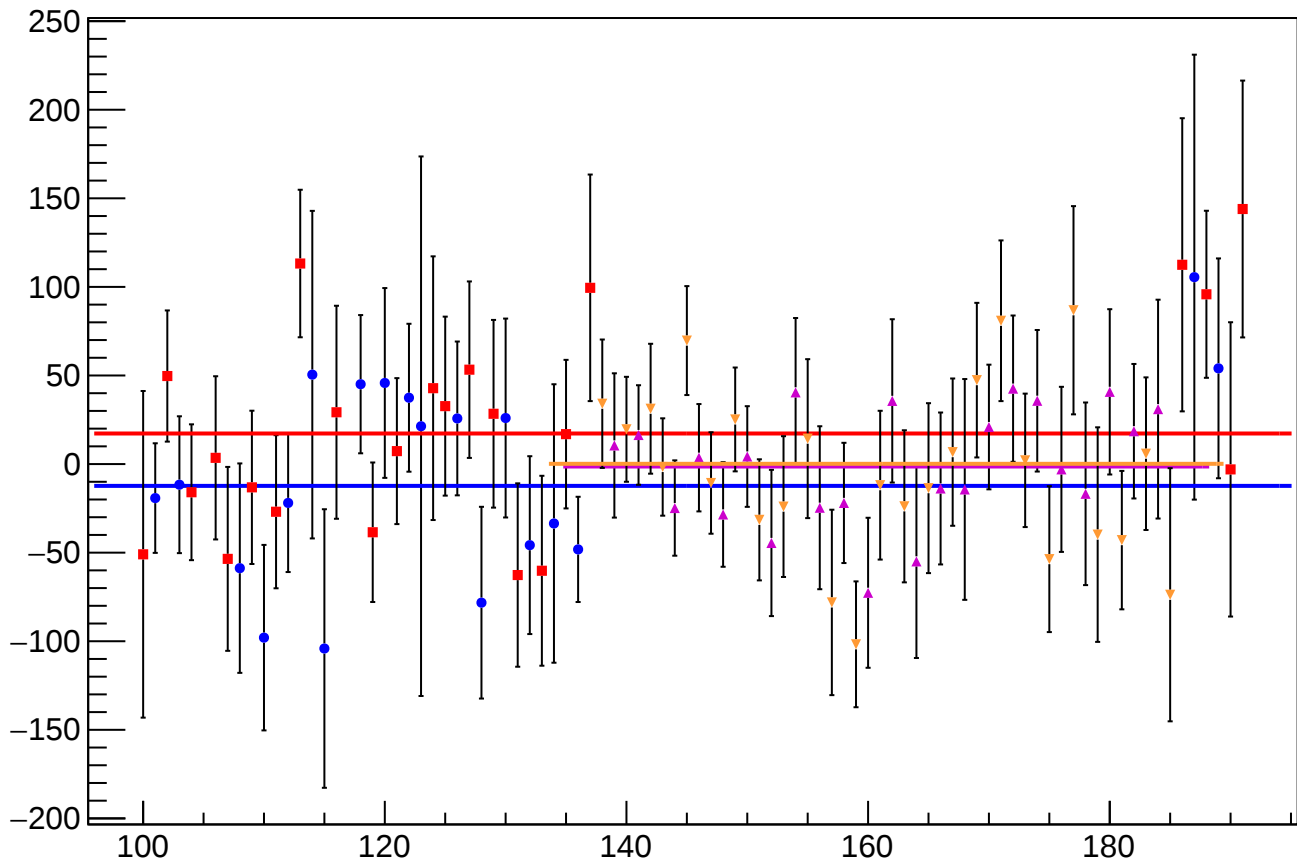
- sign -1.161 ± 1.153 χ^2/NDF : 62.3/45

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: 5509.495 ± 0.601 $\chi^2/\text{NDF}: 15139703.0/8$
 Right Out: 5449.494 ± 1.508 $\chi^2/\text{NDF}: 3245698.3/22$ - sign 5229.005 ± 0.816 $\chi^2/\text{NDF}: 8771551.5/45$
 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: 17.256 ± 10.355 χ^2/NDF : 27.1/22

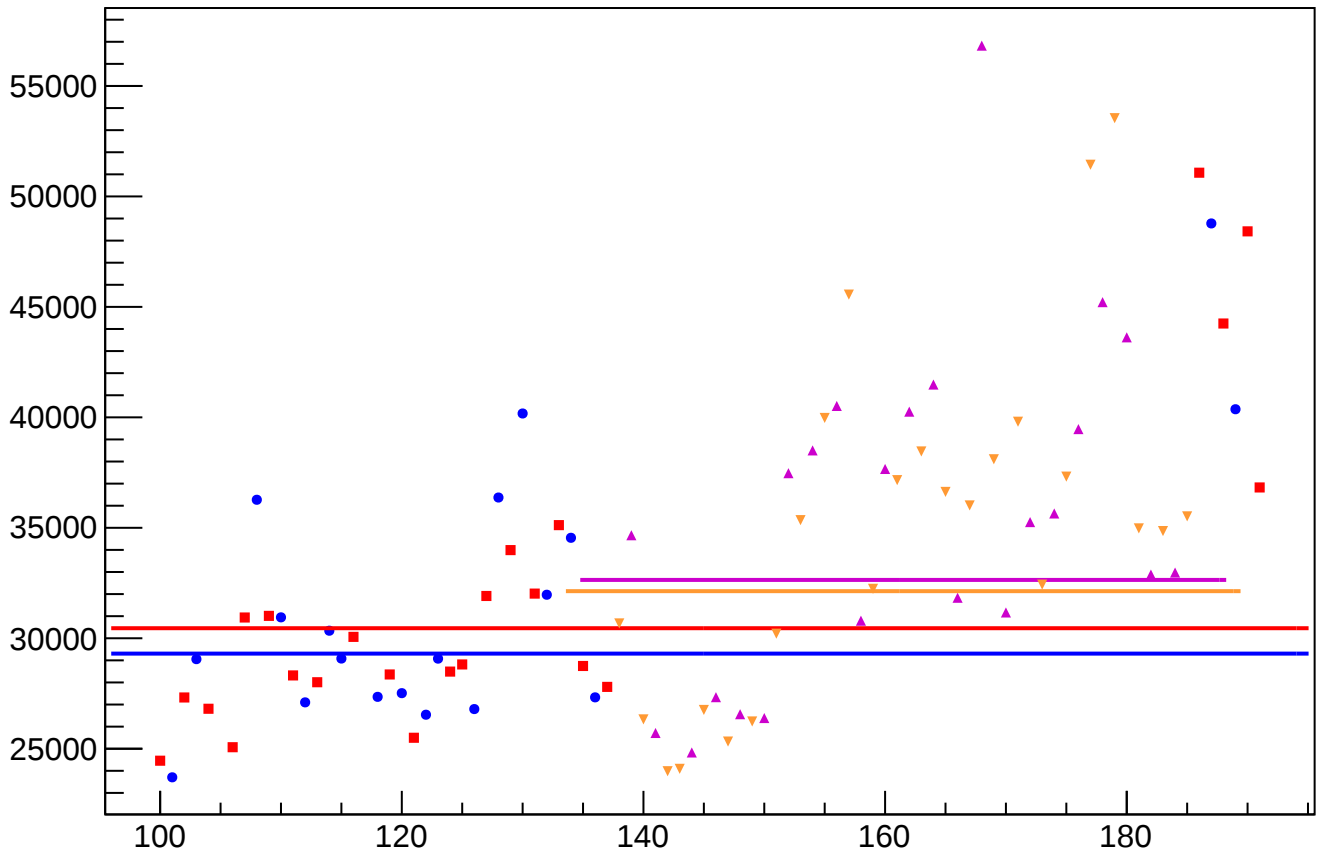
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -3.896 ± 6.316 χ^2/NDF : 48.9/43

All: 0.834 ± 4.469 χ^2/NDF : 92.4/89

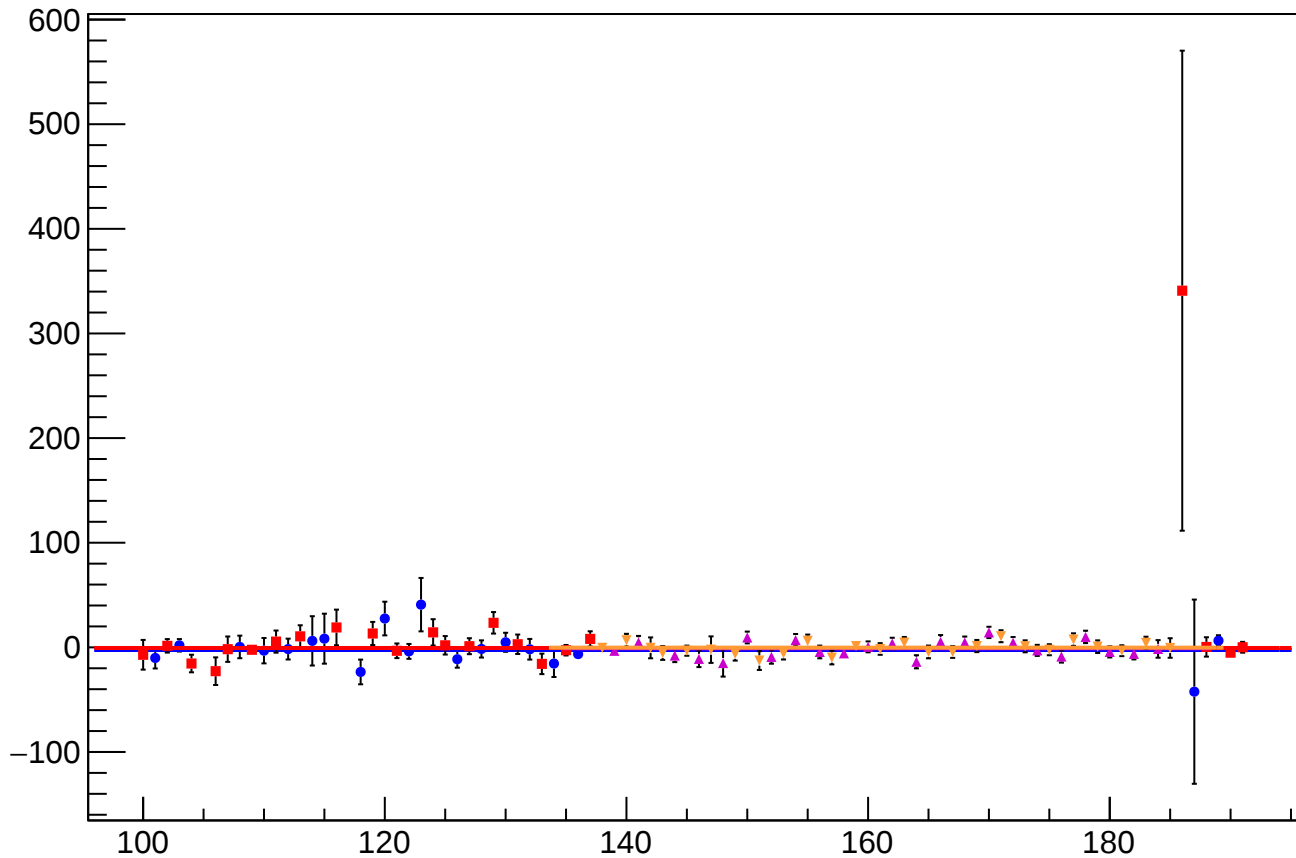
- sign 5.579 ± 6.326 χ^2/NDF : 42.4/45

diff_bpm12X_rms vs Slug



Right In: 29305.464 $\pm$ 7.842	χ^2 /NDF: 368966.0/18	+ sign 31215.525 $\pm$ 4.466	χ^2 /NDF: 1996848.6/43
Left Out: 32132.314 $\pm$ 5.433	χ^2 /NDF: 1540079.4/24	All: 31519.885 $\pm$ 3.160	χ^2 /NDF: 4021783.5/8
Right Out: 30454.983 $\pm$ 7.322	χ^2 /NDF: 557589.1/22	- sign 31825.228 $\pm$ 4.473	χ^2 /NDF: 2015630.2/45
Left In: 32641.162 $\pm$ 5.650	χ^2 /NDF: 1402162.4/22		

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: -0.606 ± 1.611 χ^2/NDF : 25.5/22

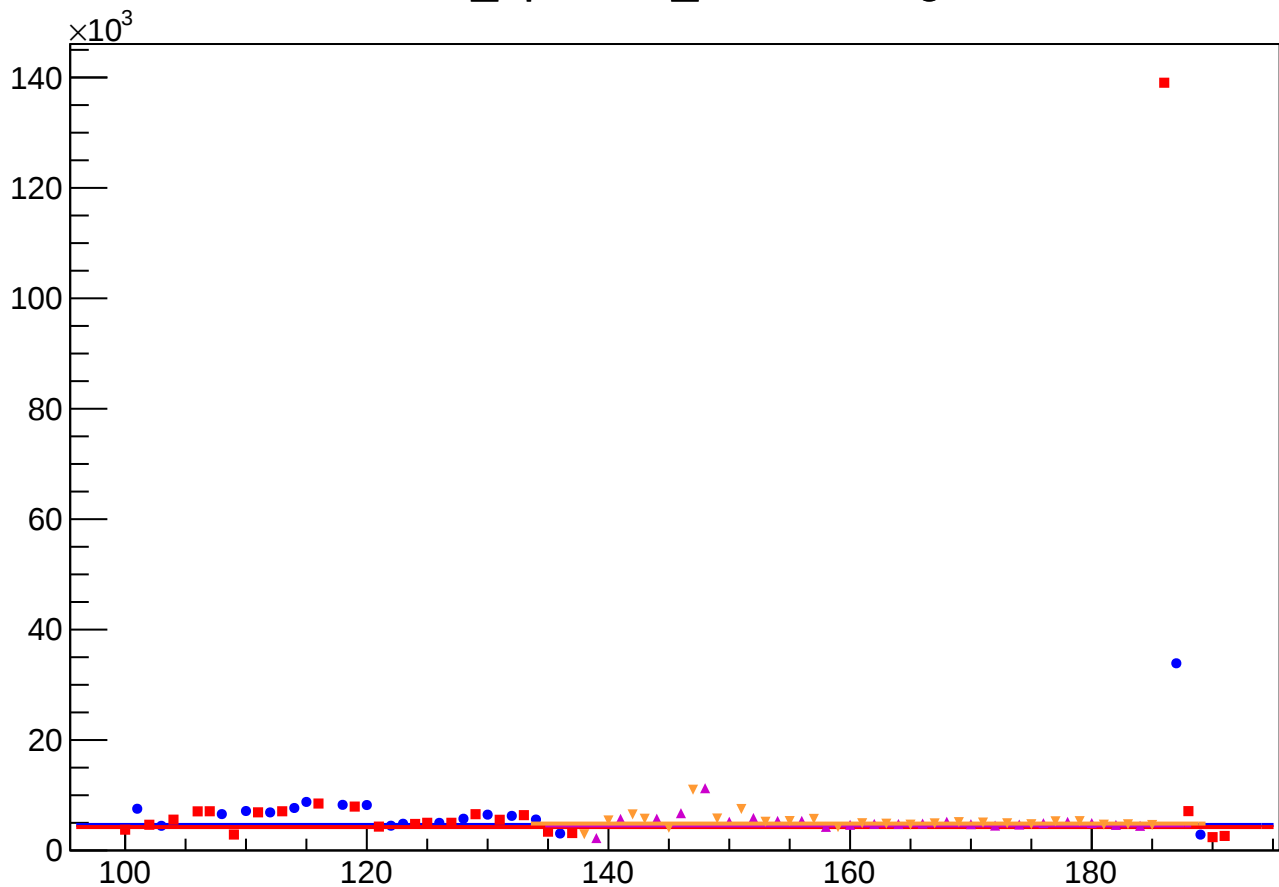
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.934 ± 0.994 χ^2/NDF : 37.2/43

All: -0.866 ± 0.680 χ^2/NDF : 98.9/89

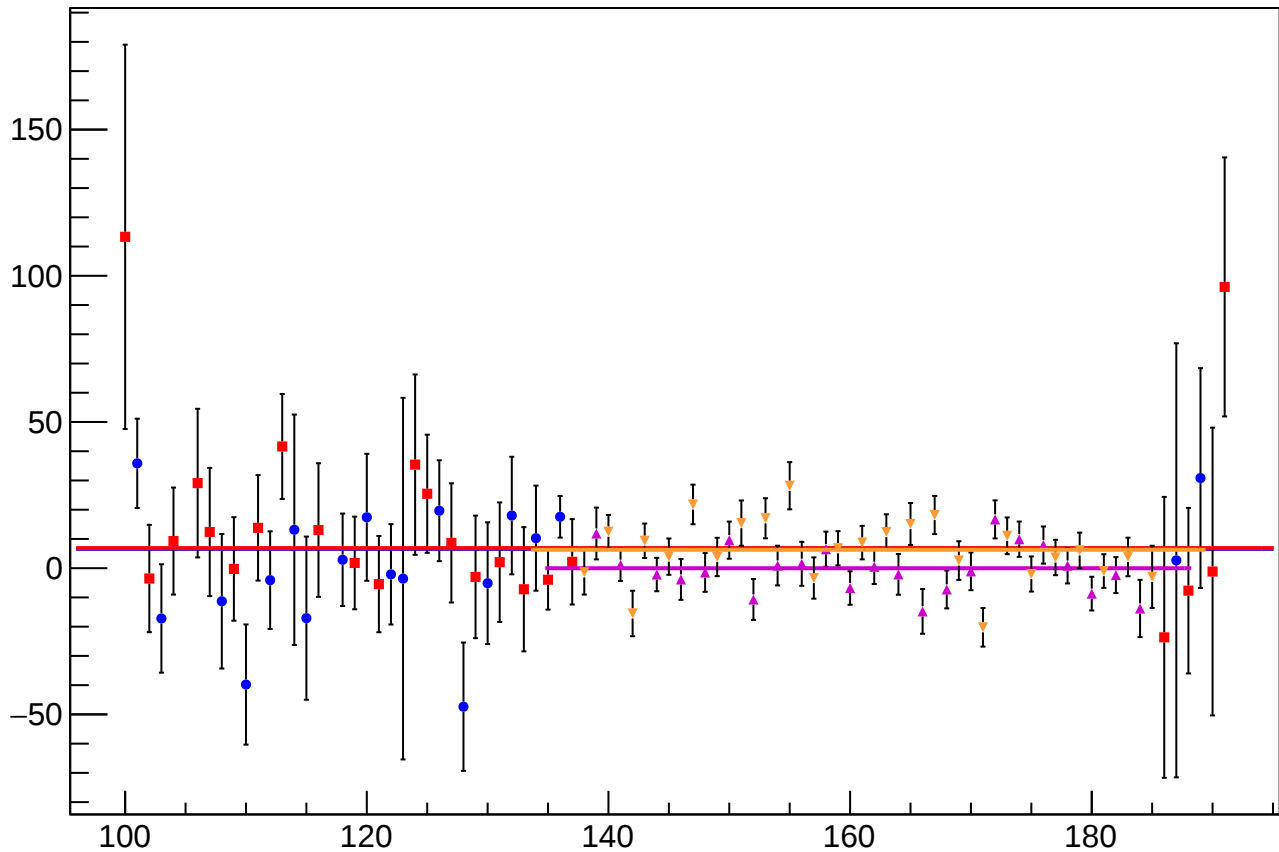
- sign -0.807 ± 0.932 χ^2/NDF : 61.7/45

diff_bpm12Y_rms vs Slug



Right In: 4621.750 ± 1.327 $\chi^2/\text{NDF}: 1886799.6/18$ + sign 4799.319 ± 0.703 $\chi^2/\text{NDF}: 3422850.6/43$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 4608.542 ± 0.481 $\chi^2/\text{NDF}: 9148347.4/89$
 Right Out: 4235.022 ± 1.139 $\chi^2/\text{NDF}: 2903629.8/22$ - sign 4440.854 ± 0.659 $\chi^2/\text{NDF}: 5587015.0/45$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 6.623 ± 4.058 χ^2/NDF : 22.9/18

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 6.862 ± 4.137 χ^2/NDF : 17.0/22

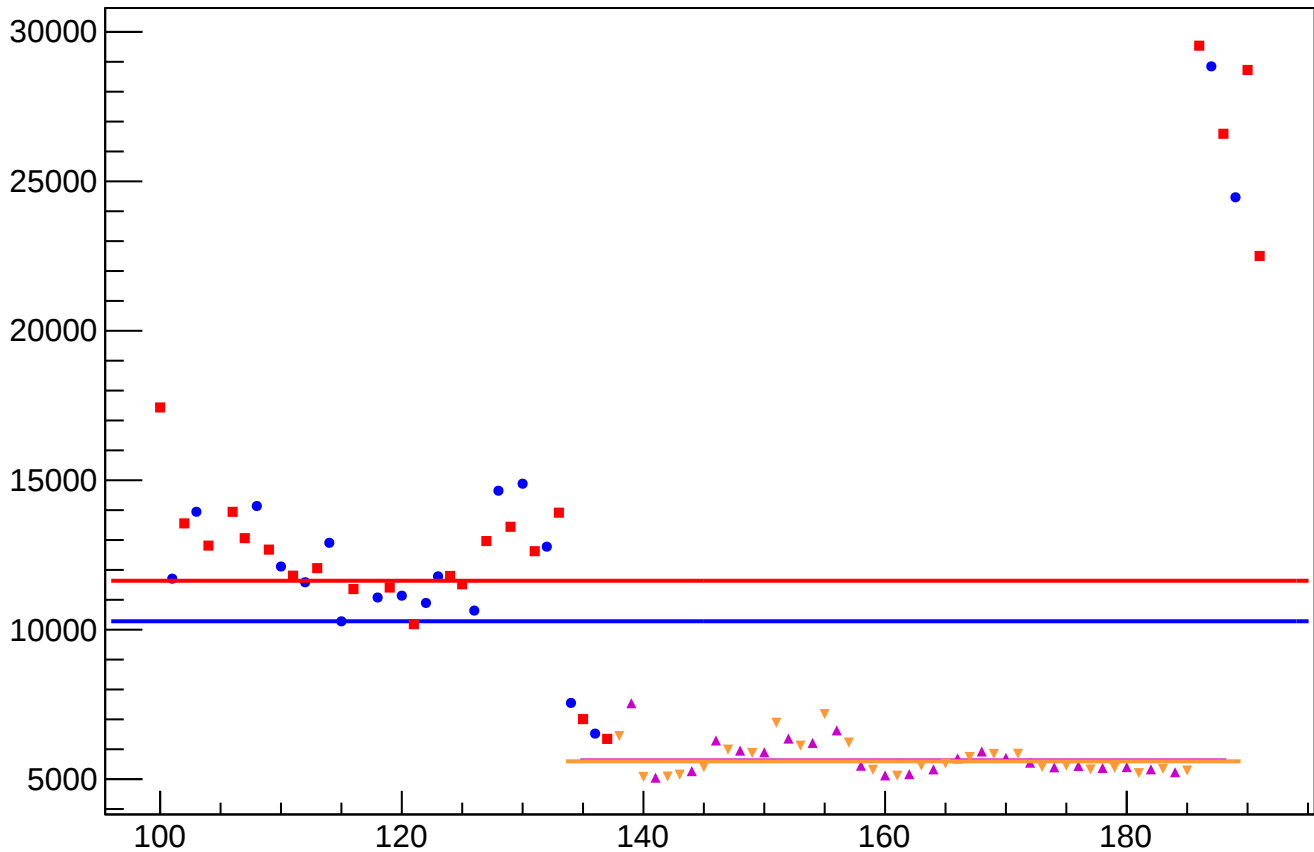
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.327 ± 1.247 χ^2/NDF : 79.4/43

All: 3.574 ± 0.895 χ^2/NDF : 138.9/89

- sign 0.645 ± 1.286 χ^2/NDF : 49.4/45

diff_bpm16X_rms vs Slug



Right In: 10281.939+/-2.870 χ^2/NDF : 1423700.5/18

Left Out: 5596.370+/-0.926 χ^2/NDF :283998.1/24

Right Out: 11637.006+/-2.925 χ^2/NDF : 2016438.0/22

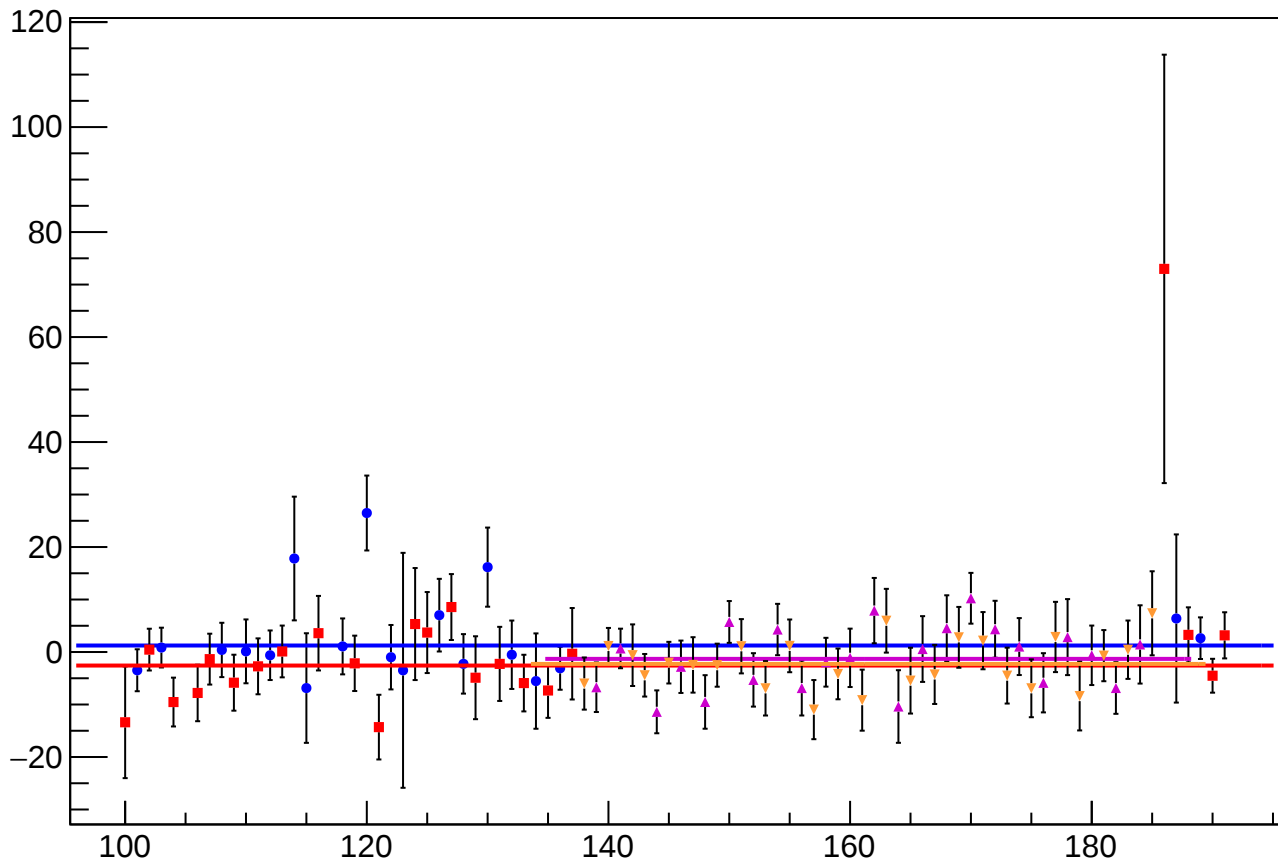
Left In: 5627.283+/-0.957 χ^2/NDF :279318.7/22

+ sign 6038.607+/-0.882 χ^2/NDF : 4121957.3/43

All: 6120.711+/-0.633 χ^2/NDF : 10248438.9/8

- sign 6208.062+/-0.909 χ^2/NDF : 6108582.1/45

diff_bpm16Y_mean vs Slug



Right In: 1.239 ± 1.320 χ^2/NDF : 23.9/18

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -2.577 ± 1.158 χ^2/NDF : 22.4/22

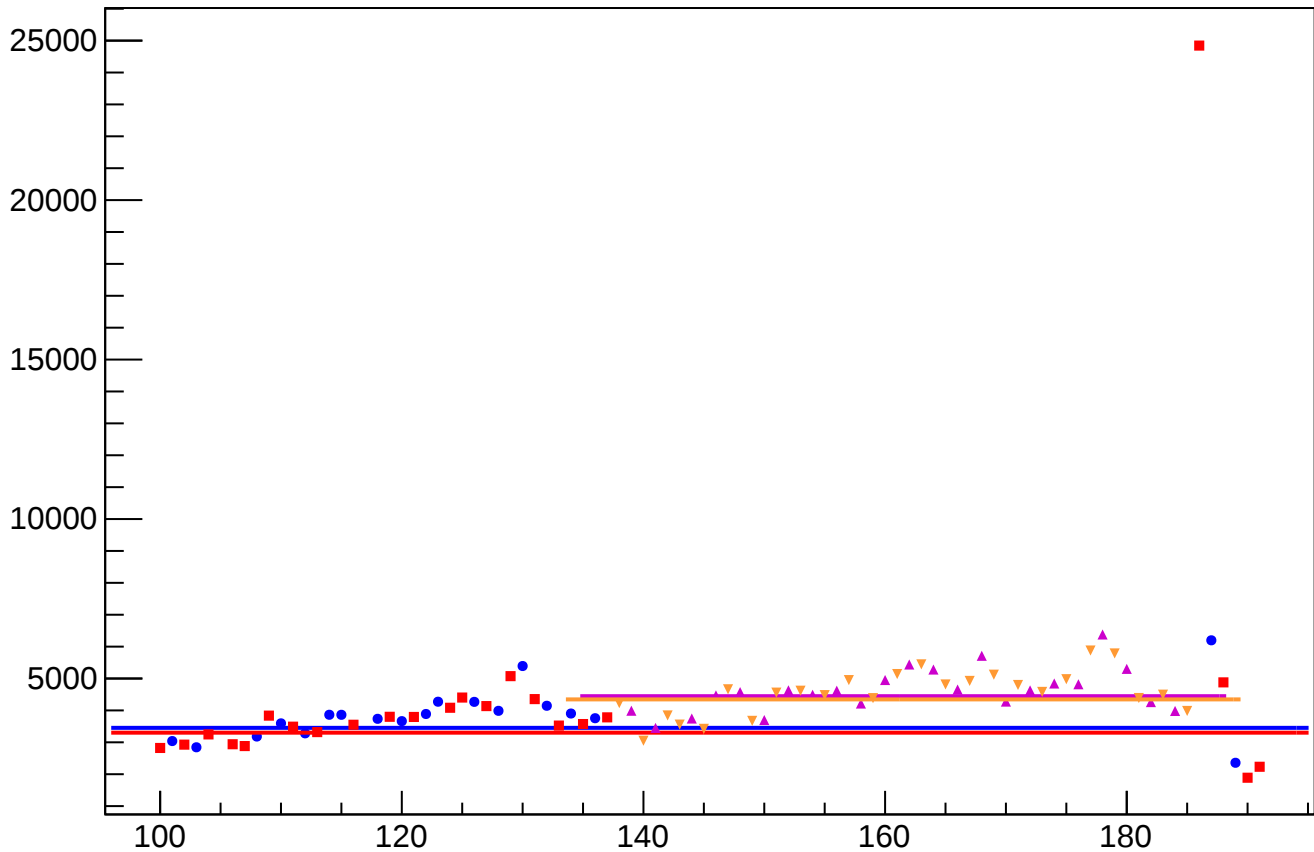
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -0.942 ± 0.812 χ^2/NDF : 43.6/43

All: -1.432 ± 0.566 χ^2/NDF : 98.2/89

- sign -1.895 ± 0.789 χ^2/NDF : 53.8/45

diff_bpm16Y_rms vs Slug



Right In: 3453.692 ± 0.933 $\chi^2/\text{NDF}: 535422.3/18$

Left Out: 4345.381 ± 0.728 $\chi^2/\text{NDF}: 1000636.1/24$

Right Out: 3302.425 ± 0.819 $\chi^2/\text{NDF}: 1588713.2/22$

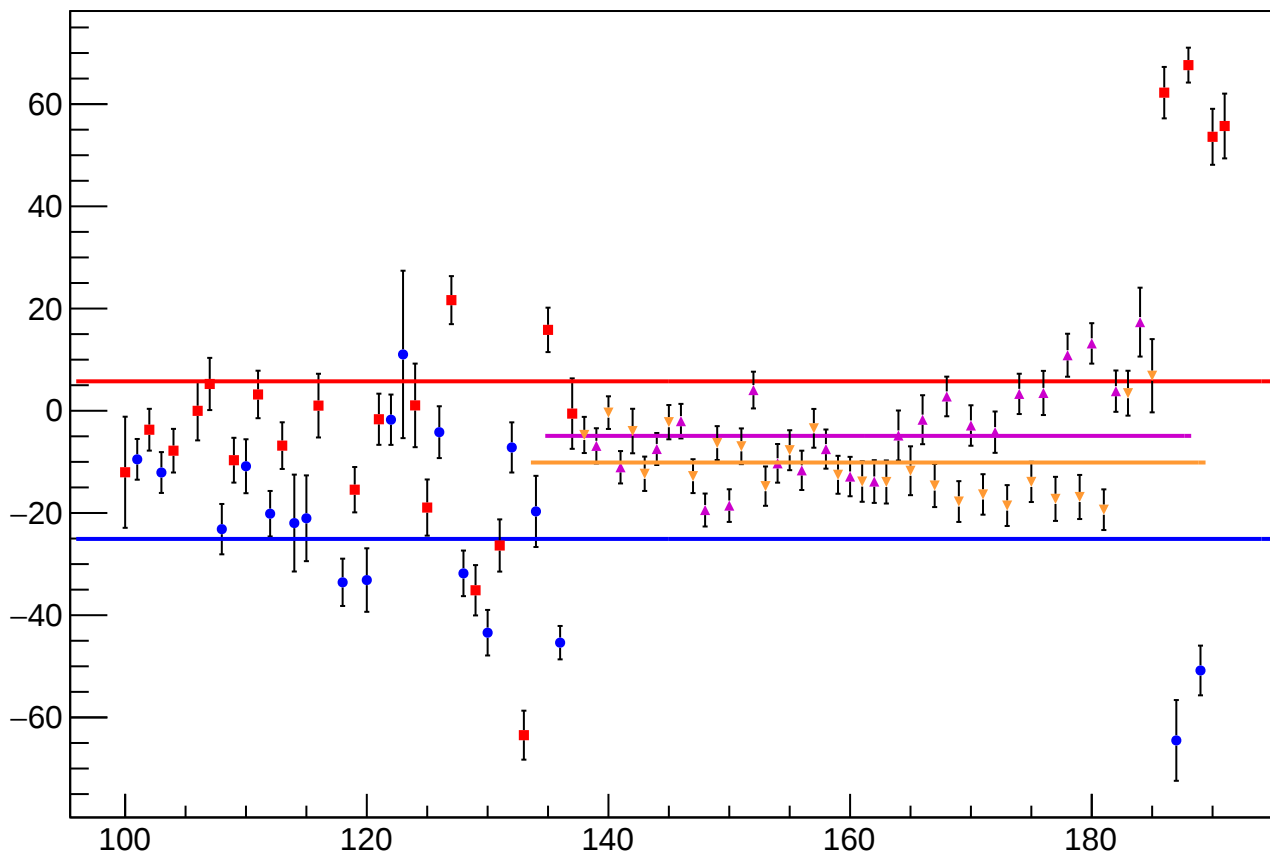
Left In: 4446.181 ± 0.762 $\chi^2/\text{NDF}: 702797.6/22$

+ sign 4008.167 ± 0.574 $\chi^2/\text{NDF}: 2103536.8/43$

All: 3960.666 ± 0.400 $\chi^2/\text{NDF}: 5454186.9/89$

- sign 3915.821 ± 0.558 $\chi^2/\text{NDF}: 3337337.0/45$

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: 5.762 ± 1.038 χ^2/NDF : 1013.5/22

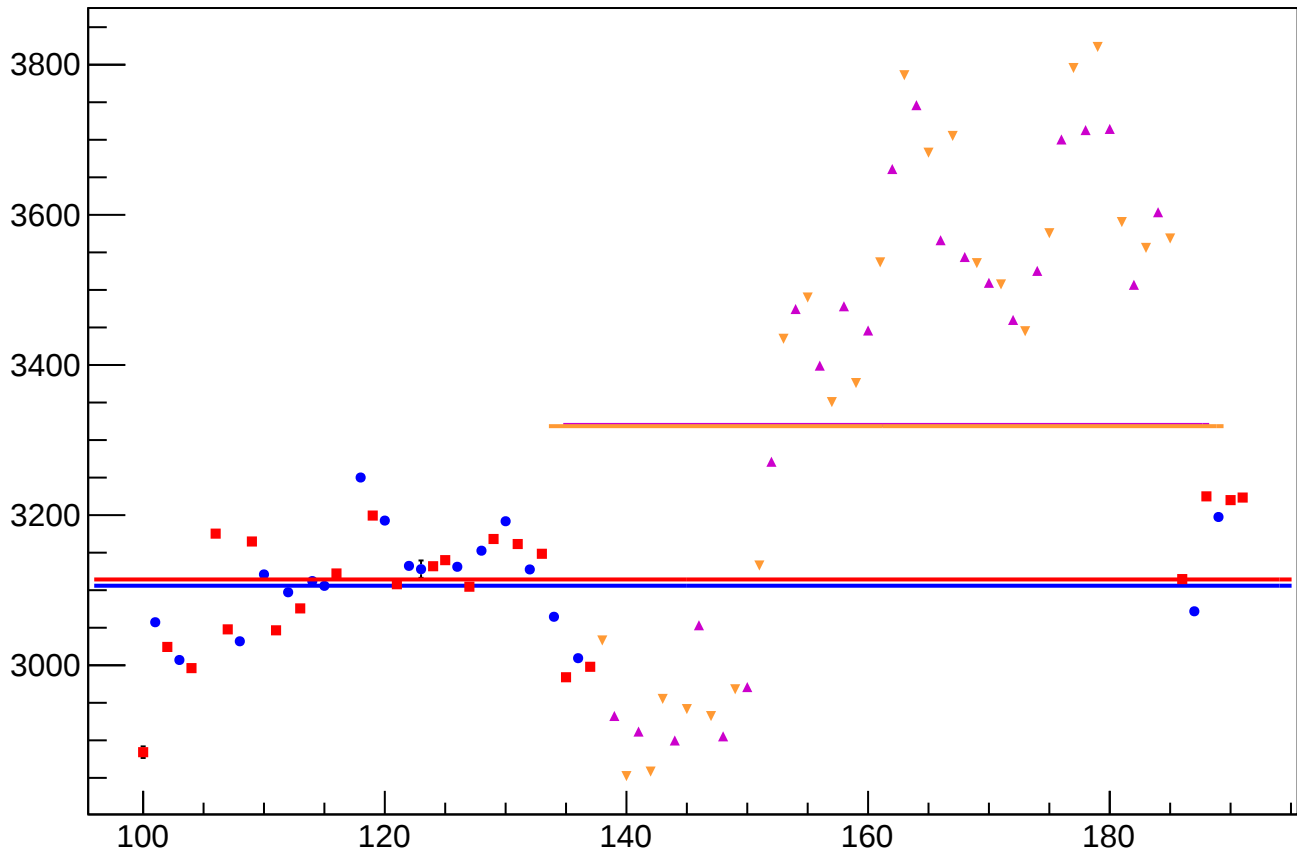
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -14.770 ± 0.644 χ^2/NDF : 392.2/43

All: -7.736 ± 0.451 χ^2/NDF : 1834.7/89

- sign -0.952 ± 0.632 χ^2/NDF : 1207.9/45

diff_bpm0l01X_rms vs Slug



Right In: 3105.963 $\pm$ 0.817 χ^2 /NDF: 8003.5/18

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3114.315 $\pm$ 0.734 χ^2 /NDF: 11912.2/22

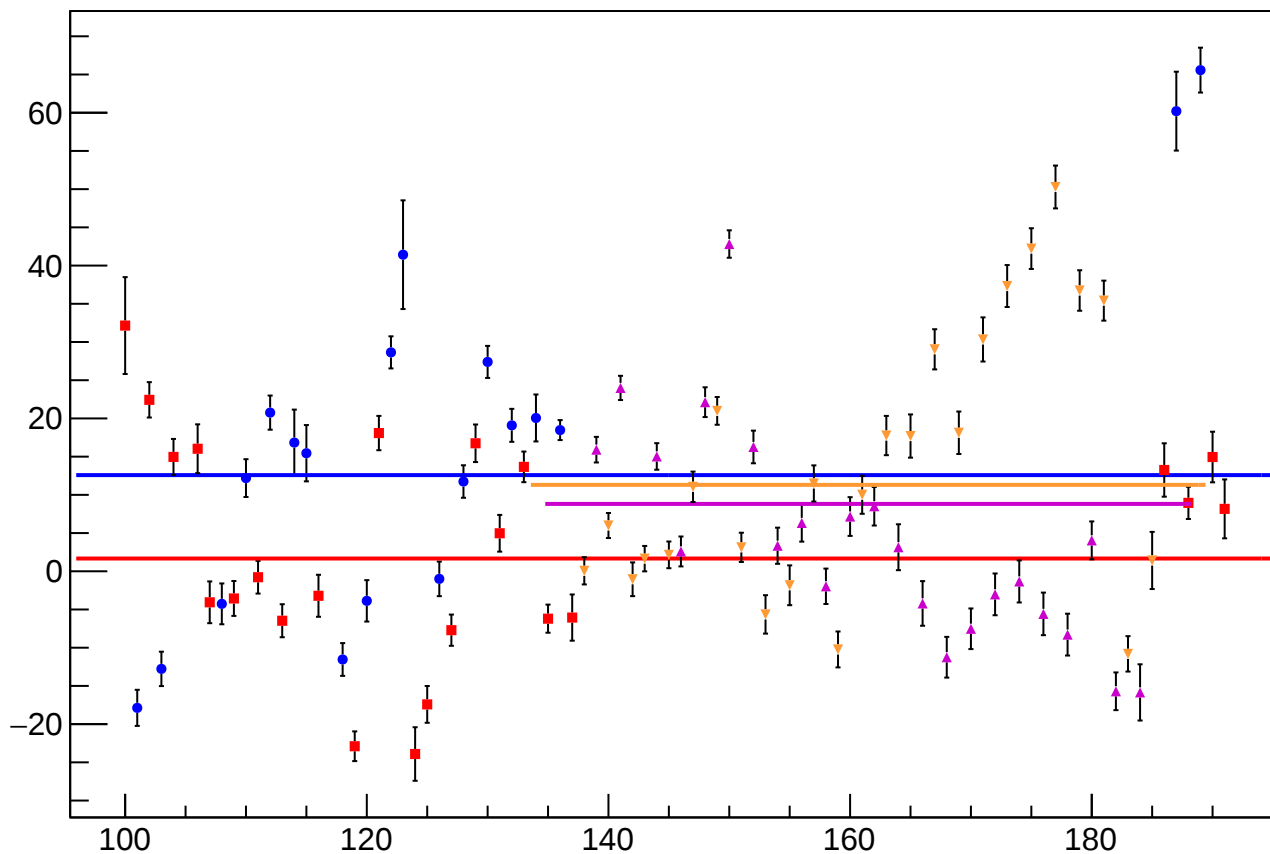
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3252.460 $\pm$ 0.455 χ^2 /NDF: 392385.5/43

All: 3248.053 $\pm$ 0.319 χ^2 /NDF: 741598.4/89

- sign 3243.803 $\pm$ 0.447 χ^2 /NDF: 349028.8/45

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: 1.669 ± 0.513 χ^2/NDF : 676.3/22

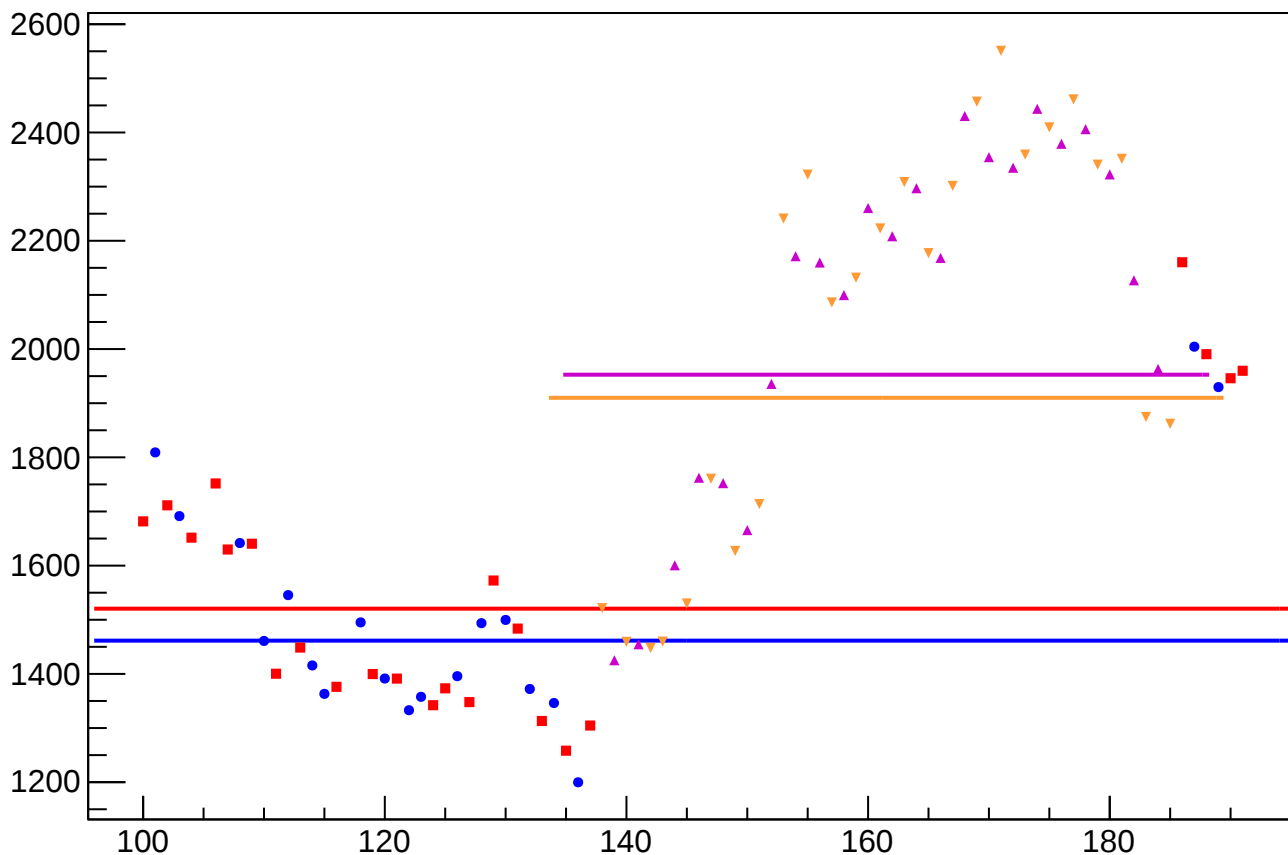
Left In: 8.815 ± 0.475 χ^2/NDF : 942.2/22

+ sign 11.823 ± 0.350 χ^2/NDF : 2266.4/43

All: 8.659 ± 0.247 χ^2/NDF : 4152.2/89

- sign 5.516 ± 0.349 χ^2/NDF : 1722.8/45

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: 1520.505 $\pm$ 0.363 χ^2 /NDF: 394942.6/22

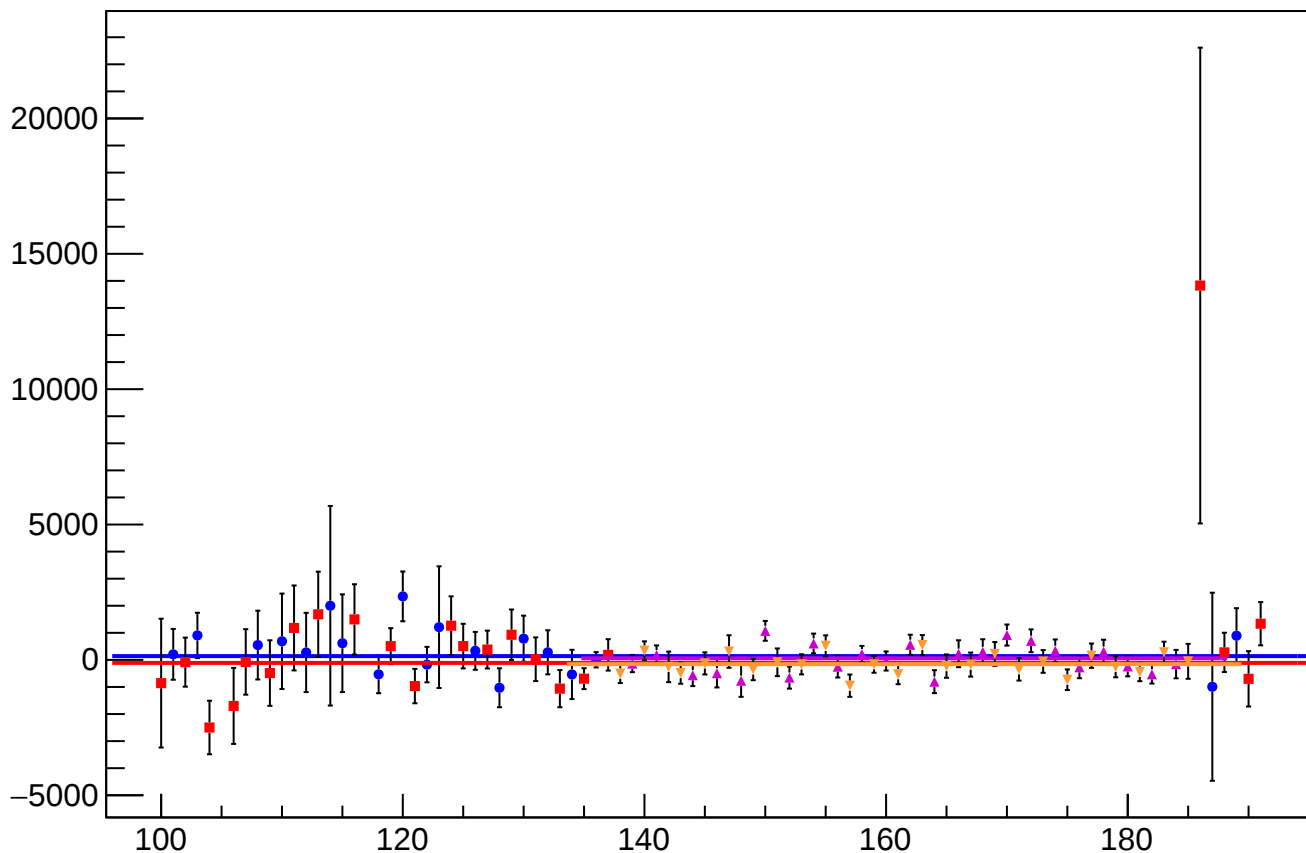
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1728.067 $\pm$ 0.247 χ^2 /NDF: 2441350.6/43

All: 1740.626 $\pm$ 0.175 χ^2 /NDF: 4669907.9/89

- sign 1753.102 $\pm$ 0.247 χ^2 /NDF: 2223421.6/45

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: -110.845 $\pm$ 172.191 χ^2 /NDF: 28.3/22

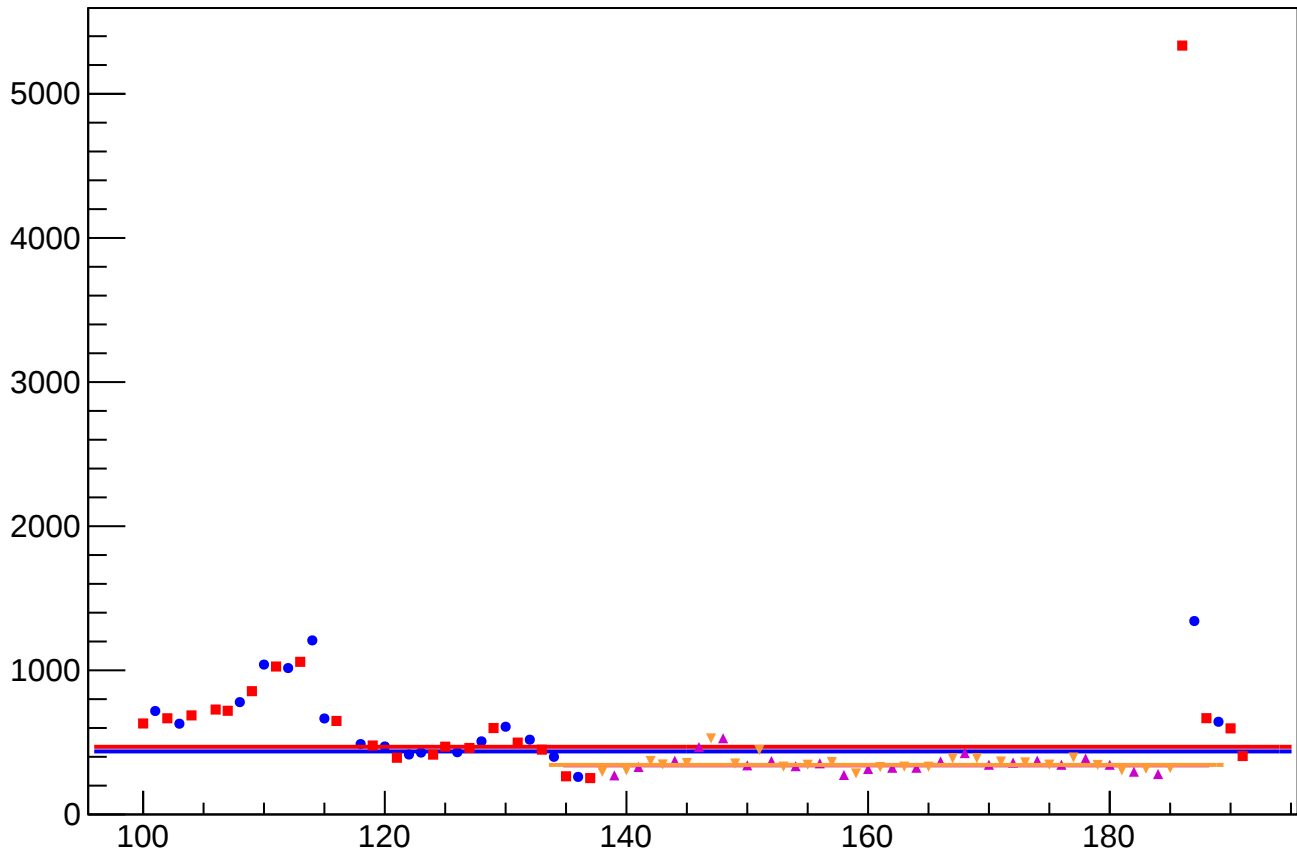
Left In: 58.934 $\pm$ 82.584 χ^2 /NDF:38.5/22

+ sign -106.259 $\pm$ 73.542 χ^2 /NDF: 37.6/43

All: -40.368 $\pm$ 52.325 χ^2 /NDF: 106.9/89

- sign 27.184 $\pm$ 74.463 χ^2 /NDF: 67.6/45

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: 469.411 ± 0.122 χ^2/NDF : 2854626.6/22

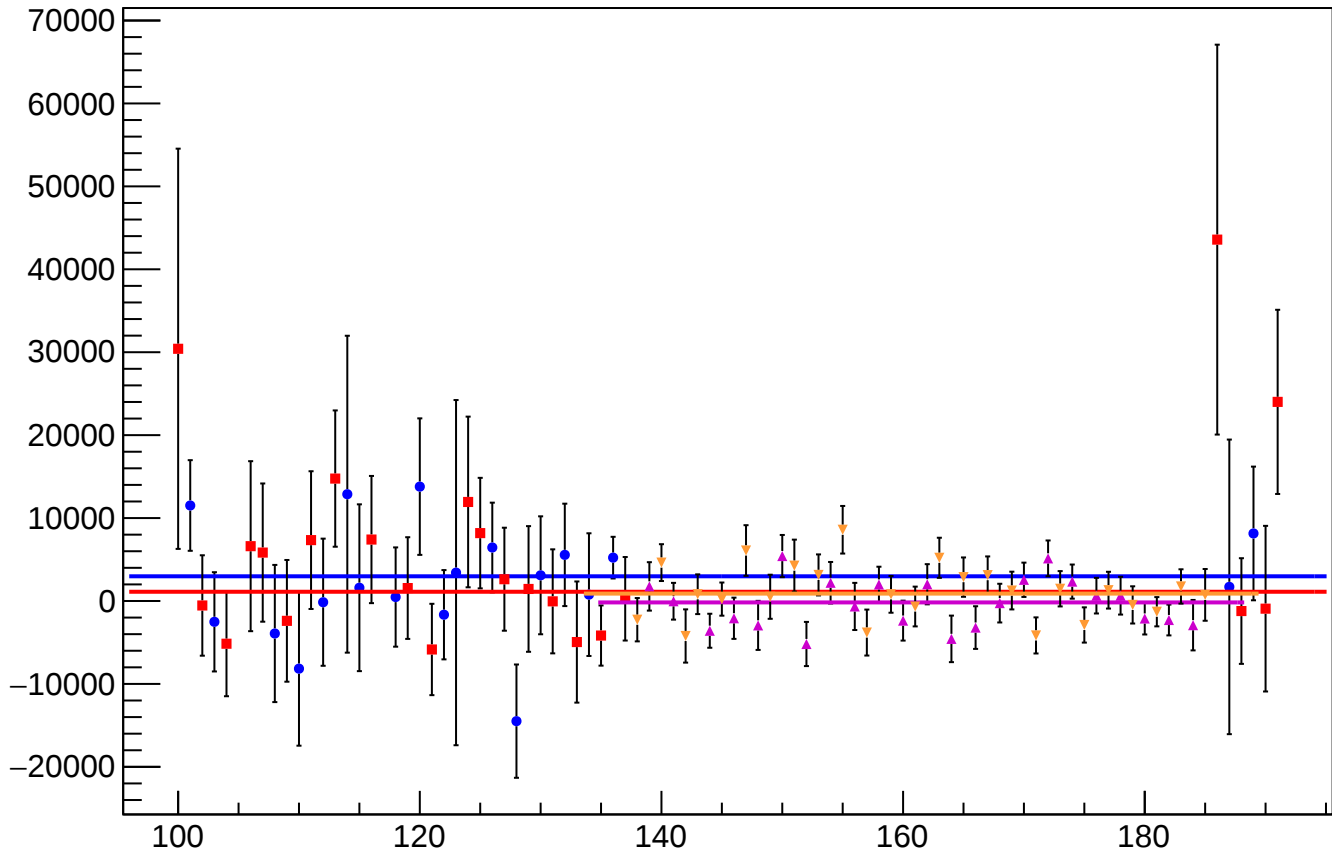
Left In: 340.876 ± 0.058 χ^2/NDF : 724672.0/22

+ sign 359.850 ± 0.052 χ^2/NDF : 3228599.5/43

All: 362.350 ± 0.037 χ^2/NDF : 7718598.6/89

- sign 364.913 ± 0.053 χ^2/NDF : 4485317.9/45

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: 1114.493 $\pm$ 1440.918 χ^2 /NDF: 21.8/22

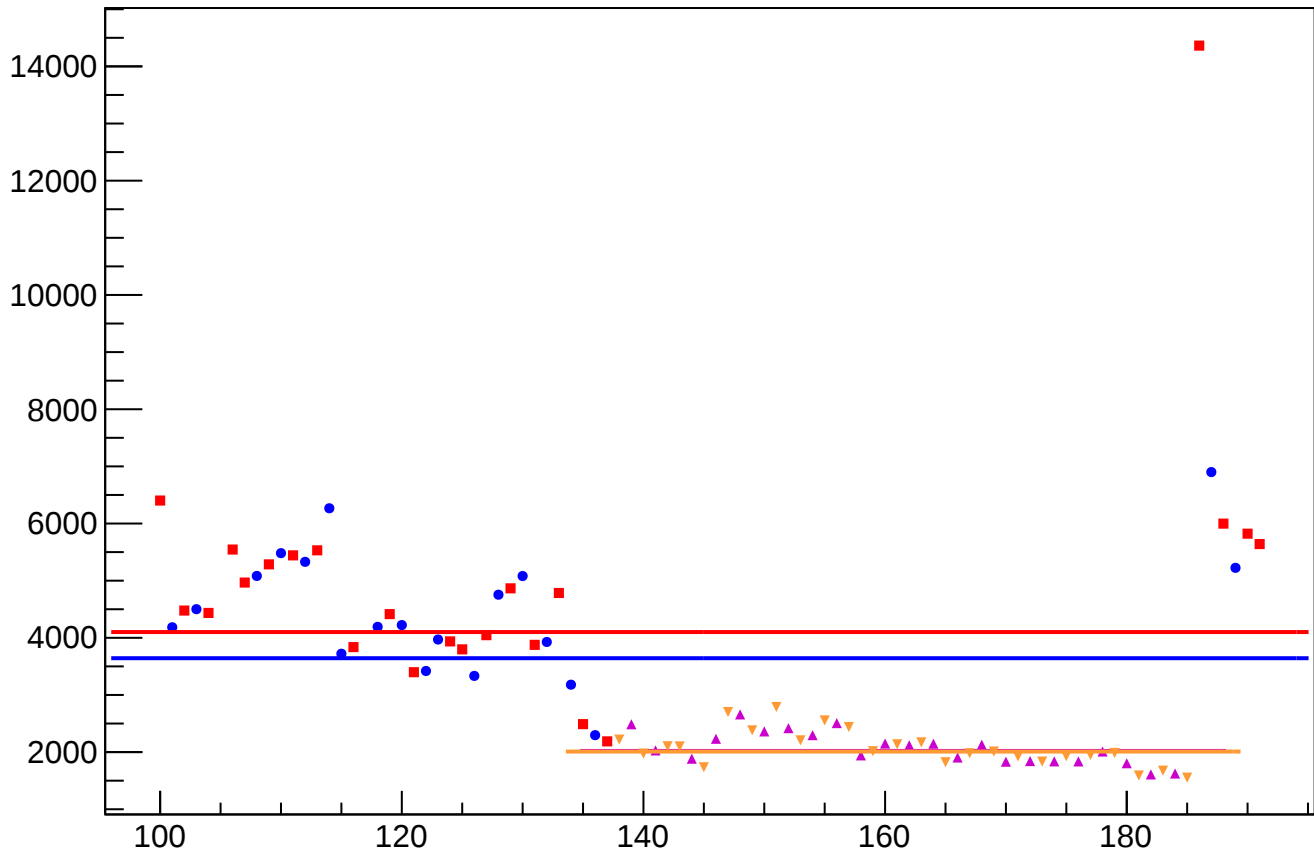
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF:33.2/22

+ sign 1098.290 $\pm$ 449.085 χ^2 /NDF: 56.8/43

All: 545.637 $\pm$ 322.111 χ^2 /NDF: 115.7/89

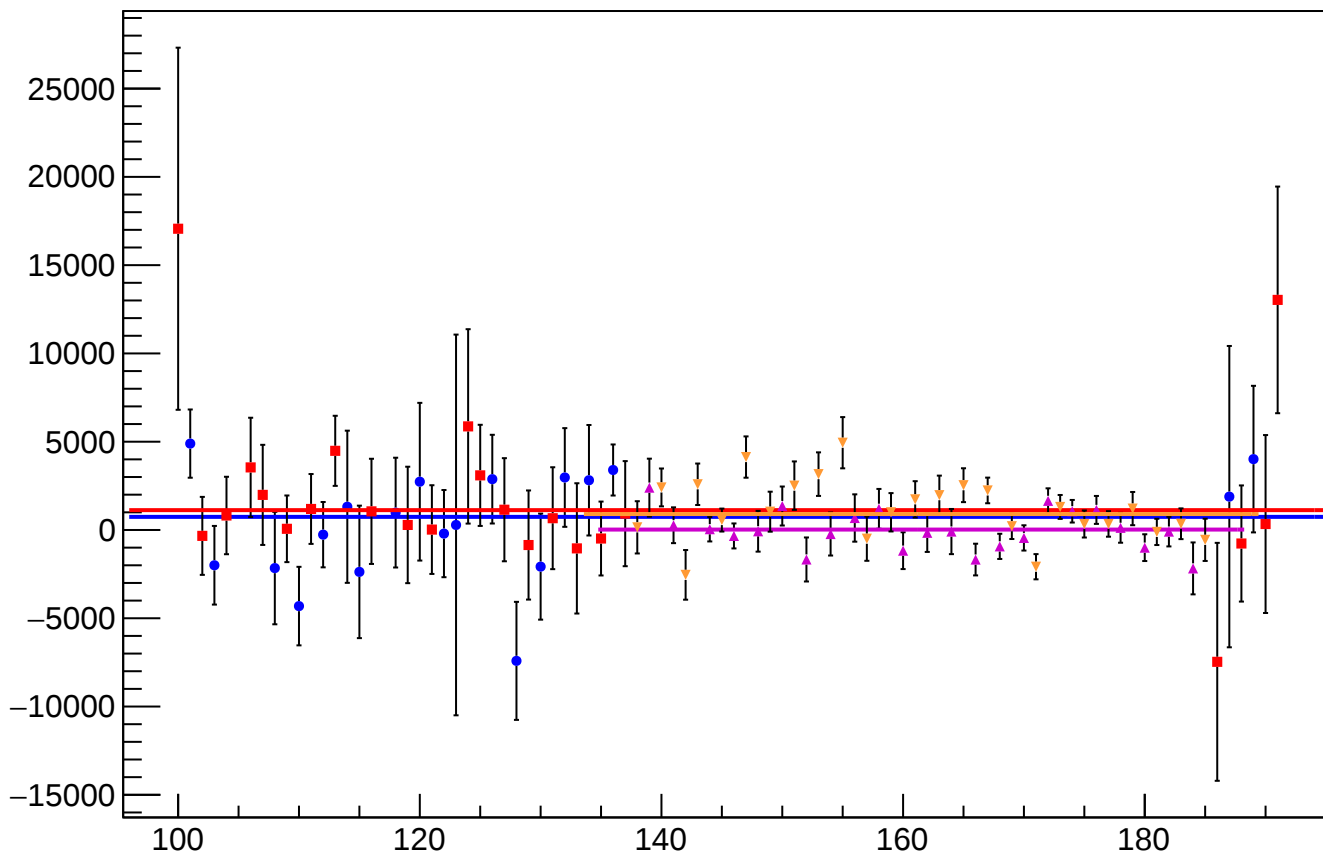
- sign -39.941 $\pm$ 462.269 χ^2 /NDF: 55.7/45

asym_sam2_rms vs Slug



Right In: 3643.152+/-1.006 χ^2/NDF : 1237215.6/18 + sign 2172.267+/-0.318 χ^2/NDF : 4319480.0/43
 Left Out: 2009.631+/-0.335 χ^2/NDF : 709977.6/24 All: 2202.498+/-0.228 χ^2/NDF : 10335382.5/8
 Right Out: 4101.202+/-1.019 χ^2/NDF : 1682154.2/22 - sign 2234.530+/-0.327 χ^2/NDF : 5997236.0/45
 Left In: 2020.365+/-0.345 χ^2/NDF : 573483.0/22

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: 1123.733 $\pm$ 585.604 χ^2 /NDF: 15.2/22

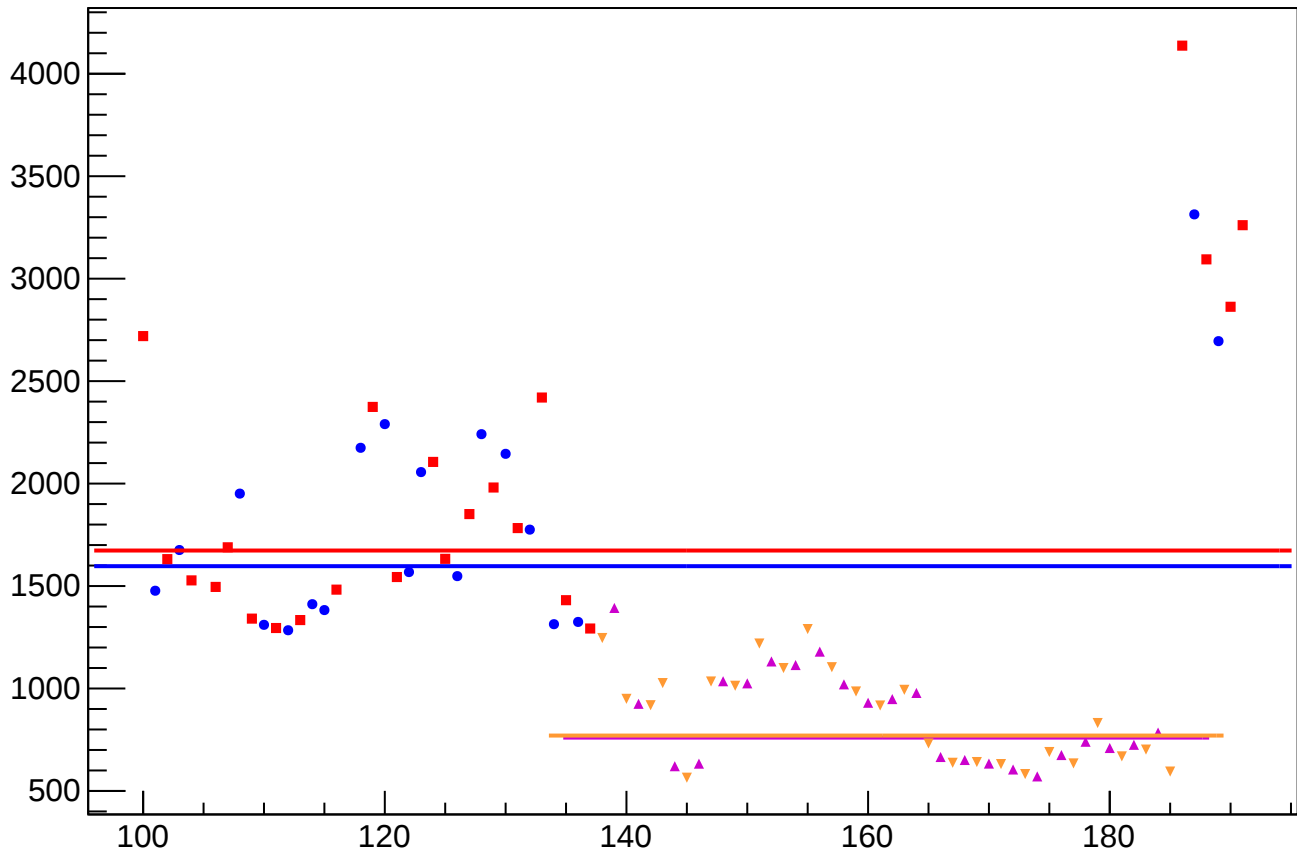
Left In: 23.529 $\pm$ 188.137 χ^2 /NDF: 28.2/22

+ sign 888.746 $\pm$ 177.881 χ^2 /NDF: 89.7/43

All: 510.249 $\pm$ 126.217 χ^2 /NDF: 145.4/89

- sign 126.462 $\pm$ 179.120 χ^2 /NDF: 46.6/45

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: 1673.331 $\pm$ 0.414 χ^2 /NDF: 1394482.1/22

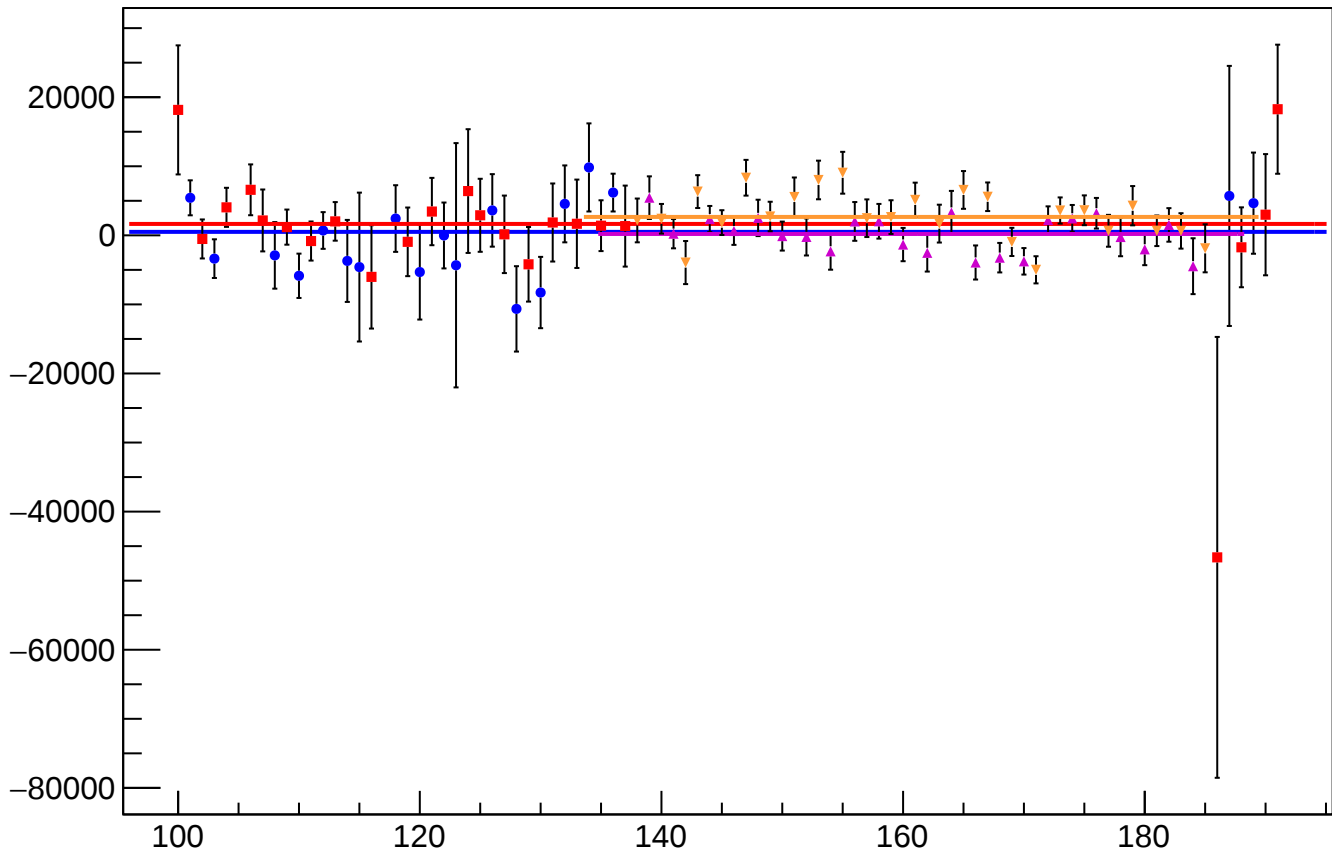
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 839.691 $\pm$ 0.126 χ^2 /NDF: 6322447.4/43

All: 842.708 $\pm$ 0.089 χ^2 /NDF: 14111243.3/89

- sign 845.768 $\pm$ 0.127 χ^2 /NDF: 7787636.7/45

asym_sam4_mean vs Slug



Right In: 502.879 $\pm$ 987.548 χ^2 /NDF: 25.7/18

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF:49.2/24

Right Out: 1651.643 $\pm$ 904.585 χ^2 /NDF: 15.9/22

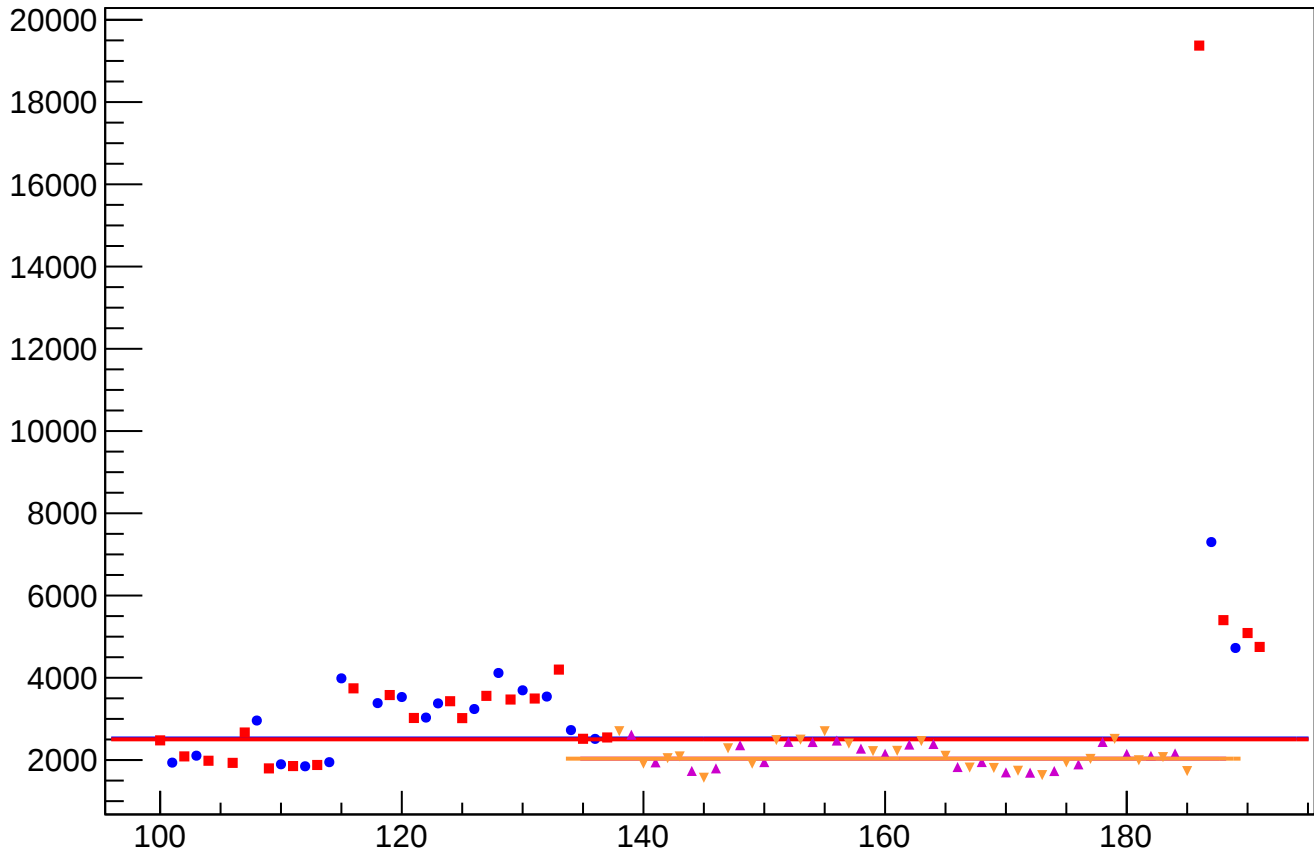
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF:25.8/22

+ sign 2252.610 $\pm$ 431.542 χ^2 /NDF: 78.8/43

All: 1393.240 $\pm$ 305.401 χ^2 /NDF: 130.5/89

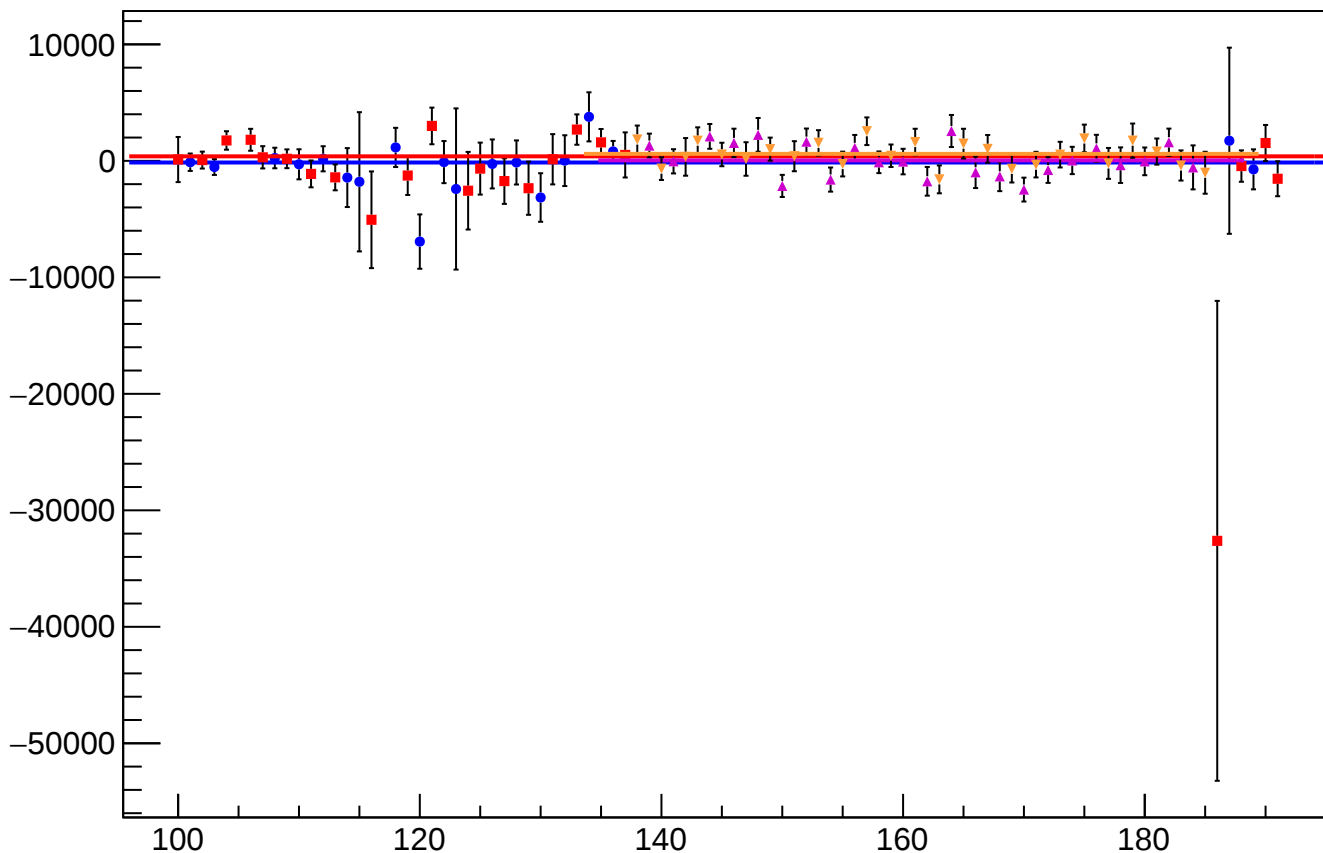
- sign 530.994 $\pm$ 432.263 χ^2 /NDF: 43.7/45

asym_sam4_rms vs Slug



Right In: 2523.531+/-0.698	χ^2/NDF : 1215492.1/18	+ sign 2126.941+/-0.305	χ^2/NDF : 2438232.1/43
Left Out: 2033.337+/-0.339	χ^2/NDF : 824062.2/24	All: 2133.503+/-0.216	χ^2/NDF : 5931204.2/89
Right Out: 2503.126+/-0.640	χ^2/NDF : 2421818.7/22	- sign 2140.086+/-0.306	χ^2/NDF : 3492045.9/45
Left In: 2032.655+/-0.348	χ^2/NDF : 652763.7/22		

asym_sam5_mean vs Slug



Right In: -141.065 ± 308.398 χ^2/NDF : 17.0/18

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 387.676 ± 268.341 χ^2/NDF : 28.3/22

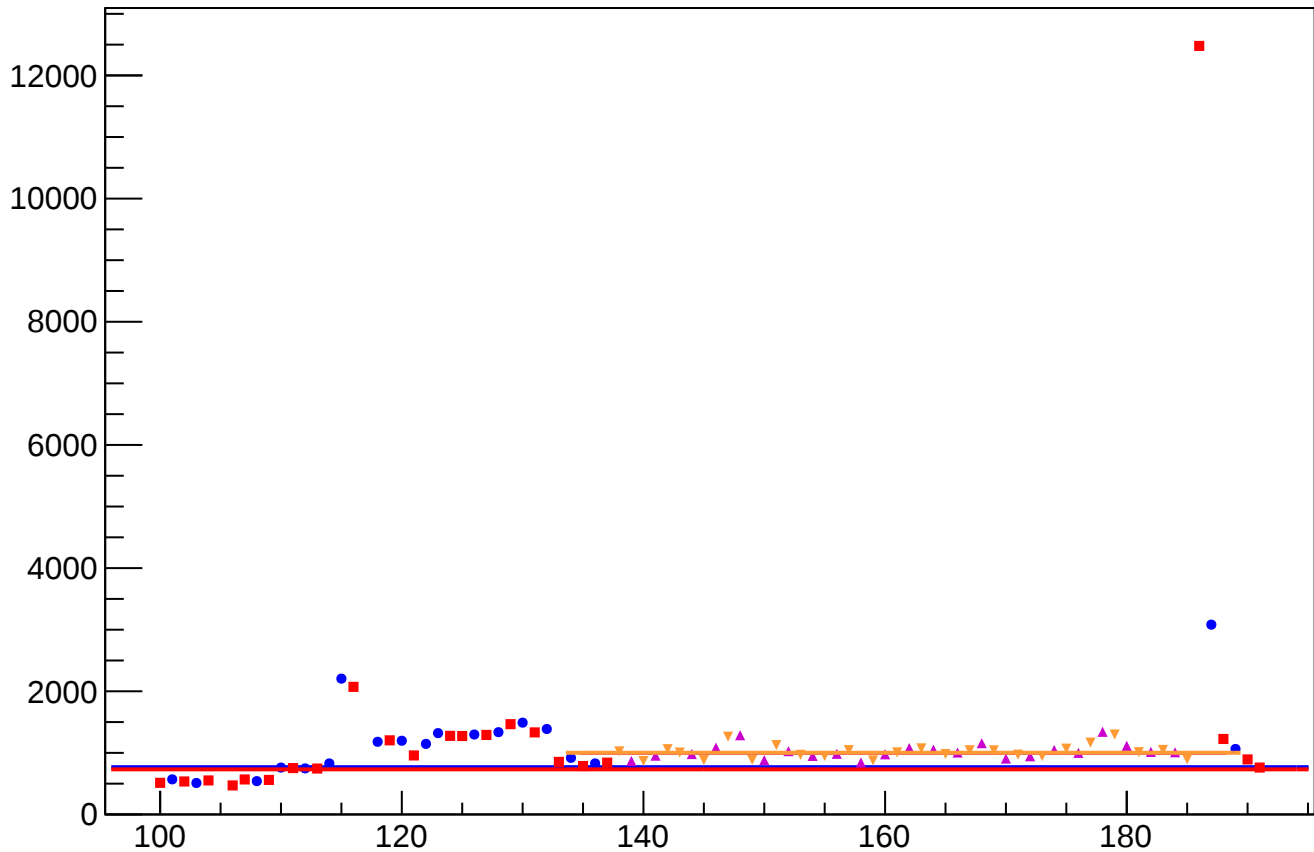
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 327.821 ± 186.901 χ^2/NDF : 39.1/43

All: 259.124 ± 129.359 χ^2/NDF : 105.0/89

- sign 195.955 ± 179.223 χ^2/NDF : 65.6/45

asym_sam5_rms vs Slug



Right In: 767.661+/-0.218 χ^2/NDF : 1919979.6/18

Left Out: 1001.472+/-0.166 χ^2/NDF : 370299.3/24

Right Out: 732.463+/-0.190 χ^2/NDF : 2652800.7/22

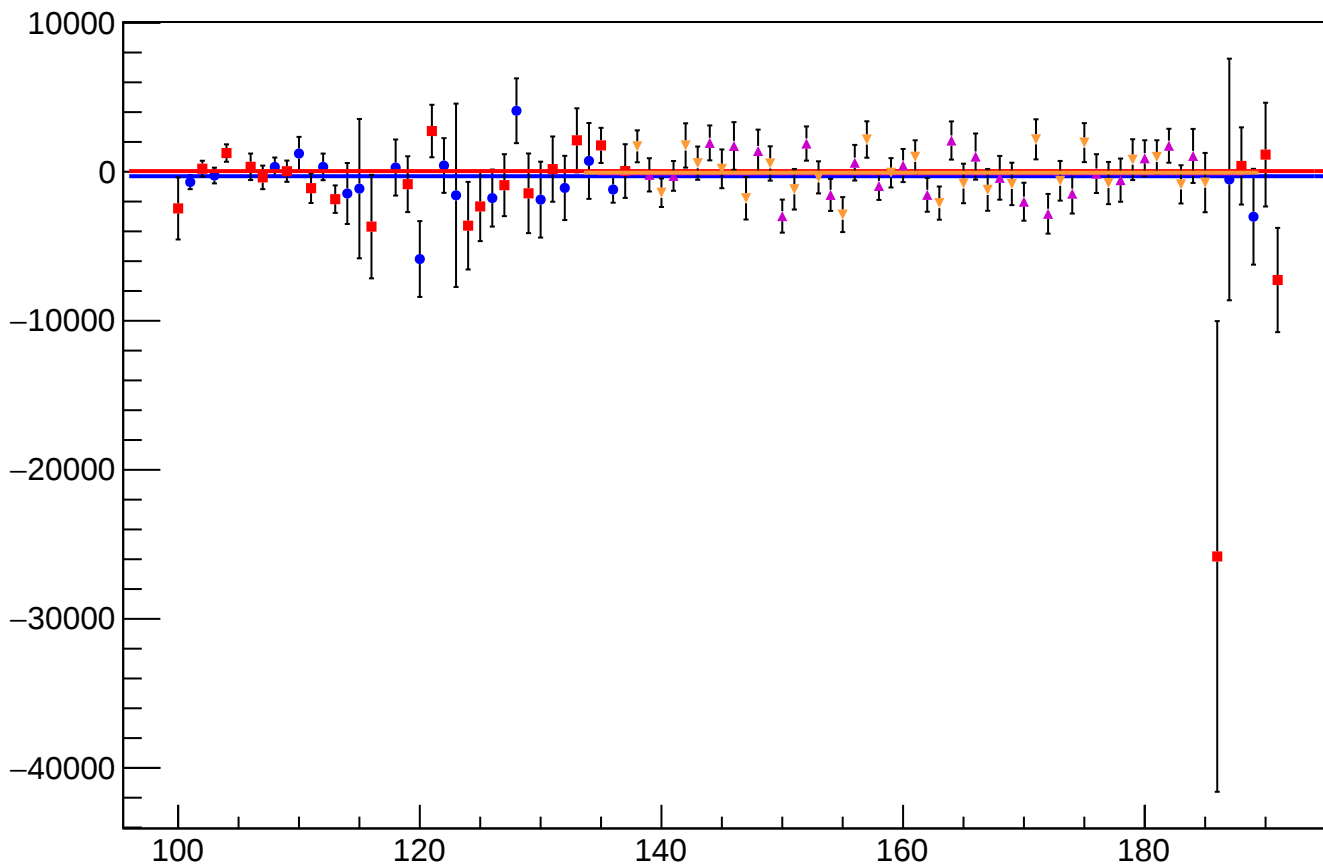
Left In: 998.050+/-0.170 χ^2/NDF : 404656.2/22

+ sign 915.596+/-0.132 χ^2/NDF : 3017632.4/43

All: 896.832+/-0.091 χ^2/NDF : 7199004.6/89

- sign 879.577+/-0.127 χ^2/NDF : 4142674.7/45

asym_sam6_mean vs Slug



Right In: -299.920 ± 249.805 $\chi^2/\text{NDF}: 16.5/18$

Left Out: -59.827 ± 246.503 $\chi^2/\text{NDF}: 31.0/24$

Right Out: 43.773 ± 243.876 $\chi^2/\text{NDF}: 28.8/22$

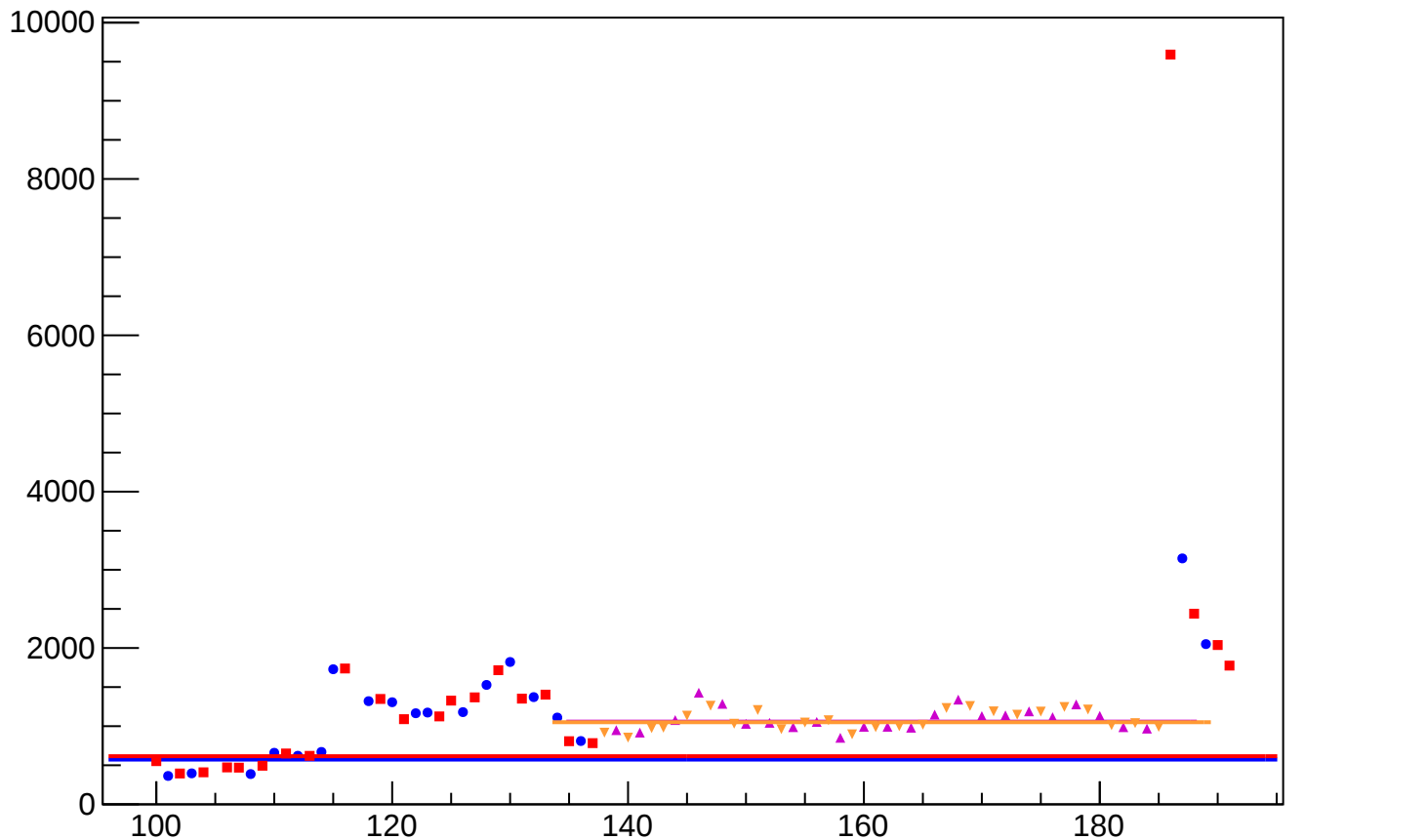
Left In: -112.398 ± 255.409 $\chi^2/\text{NDF}: 34.9/22$

+ sign -178.276 ± 175.460 $\chi^2/\text{NDF}: 48.0/43$

All: -104.879 ± 124.394 $\chi^2/\text{NDF}: 112.1/89$

- sign -30.707 ± 176.383 $\chi^2/\text{NDF}: 63.8/45$

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: 615.866+/-0.172 χ^2/NDF : 5037135.3/22

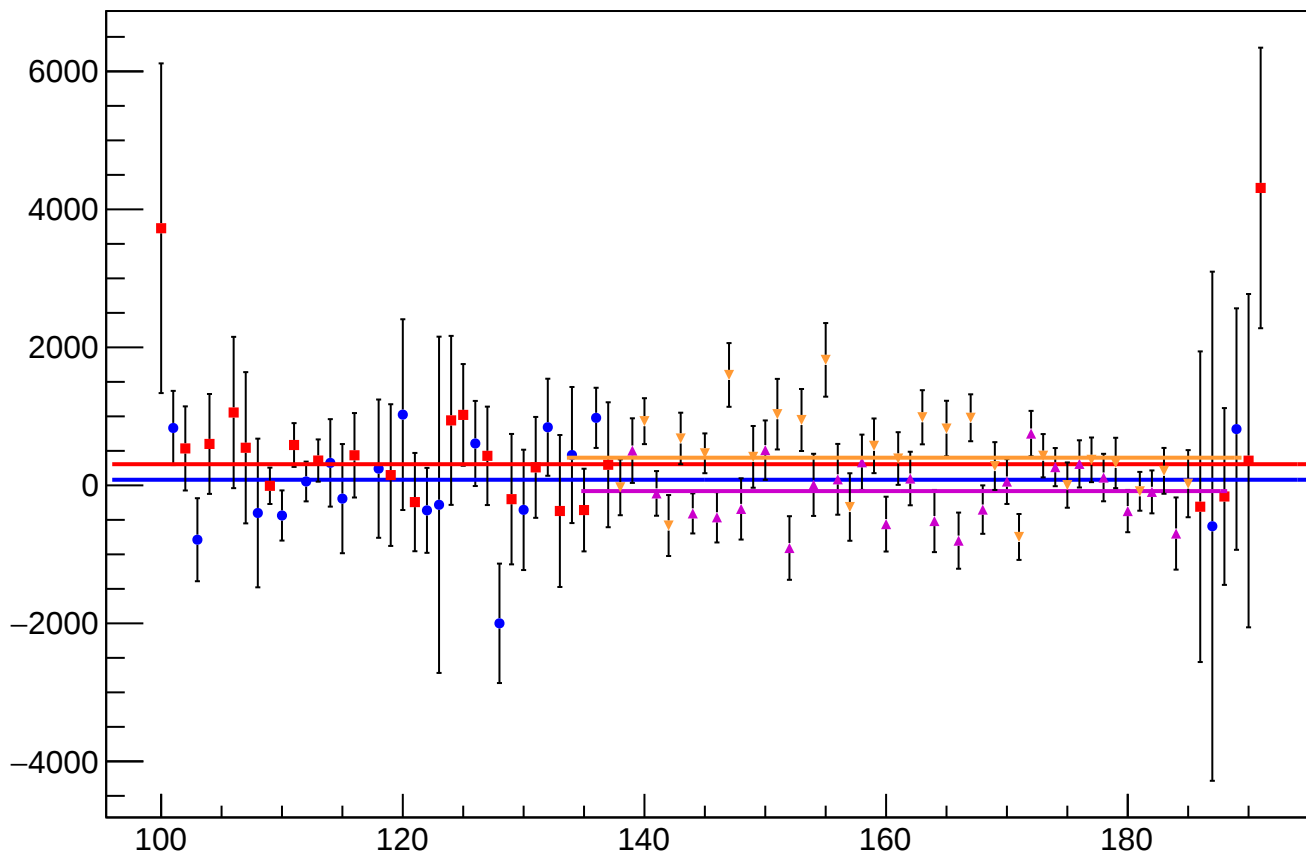
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 814.887+/-0.124 χ^2/NDF : 8030933.6/43

All: 820.798+/-0.088 χ^2/NDF : 16737598.1/89

- sign 826.771+/-0.125 χ^2/NDF : 8702101.0/45

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: 306.826 ± 128.500 χ^2/NDF : 13.0/22

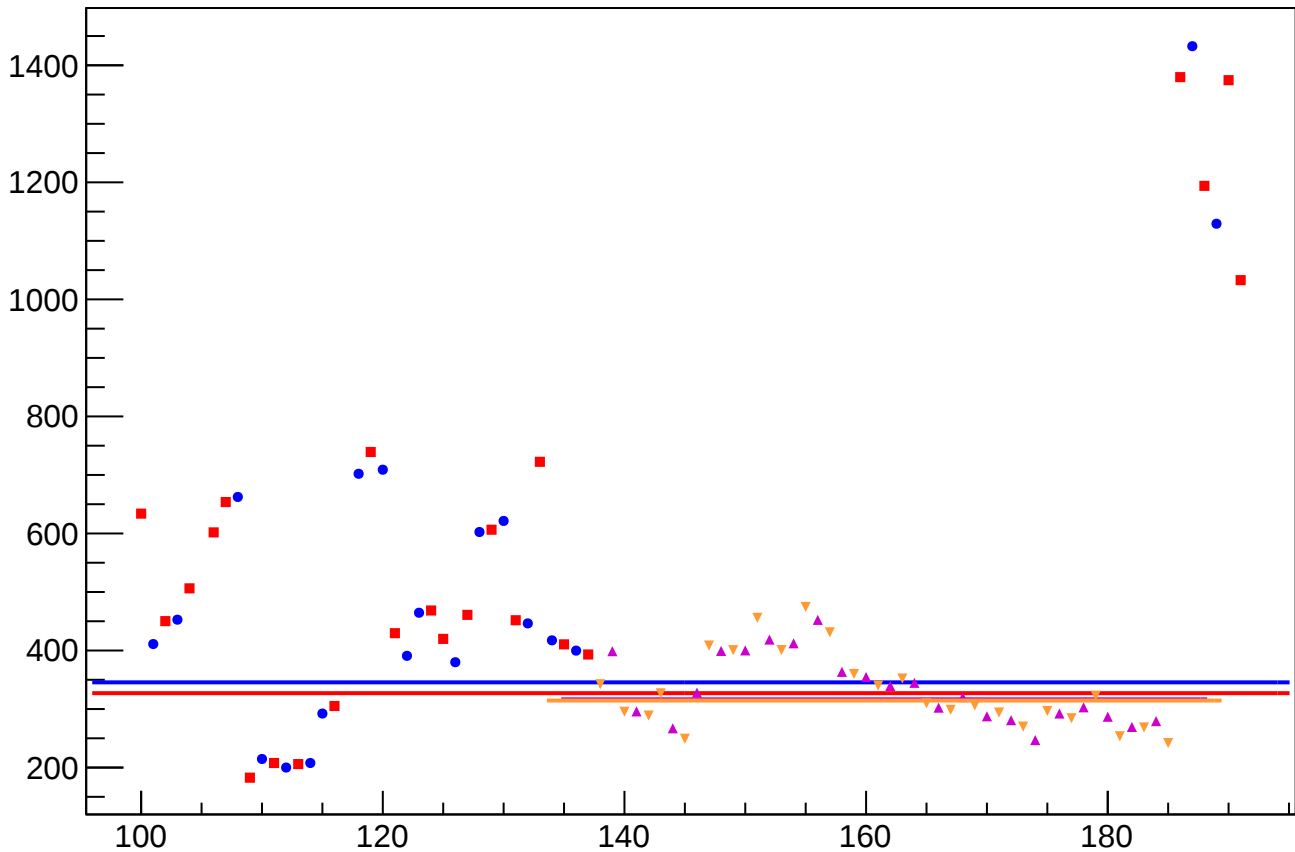
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 332.443 ± 66.072 χ^2/NDF : 76.1/43

All: 175.967 ± 46.691 χ^2/NDF : 136.0/89

- sign 19.885 ± 65.989 χ^2/NDF : 48.7/45

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: 327.135 $\pm$ 0.091 χ^2 /NDF: 4742359.0/22

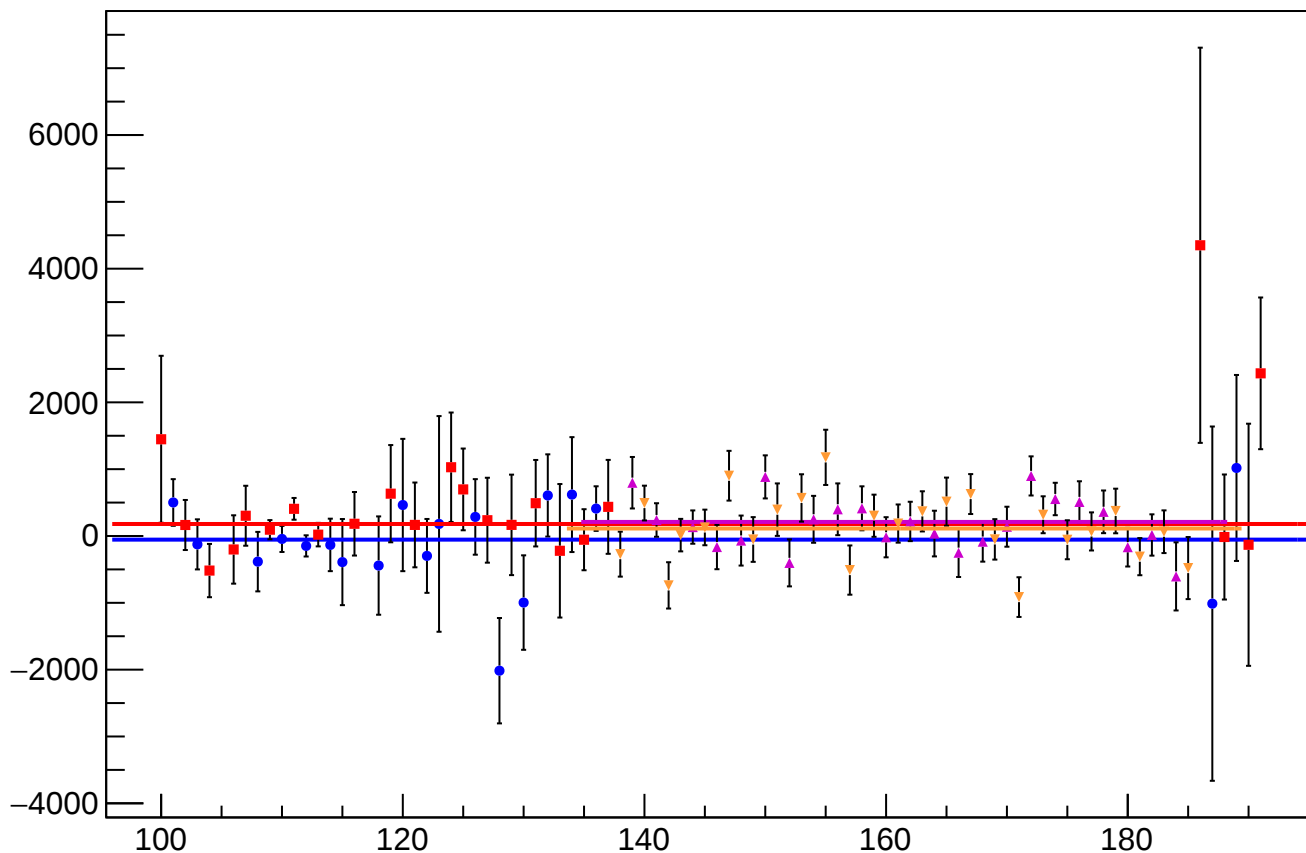
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF: 920874.0/22

+ sign 321.198 $\pm$ 0.047 χ^2 /NDF: 3773848.3/43

All: 320.304 $\pm$ 0.033 χ^2 /NDF: 9447622.6/89

- sign 319.413 $\pm$ 0.047 χ^2 /NDF: 5673042.9/45

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: 179.635 ± 76.440 χ^2/NDF : 16.8/22

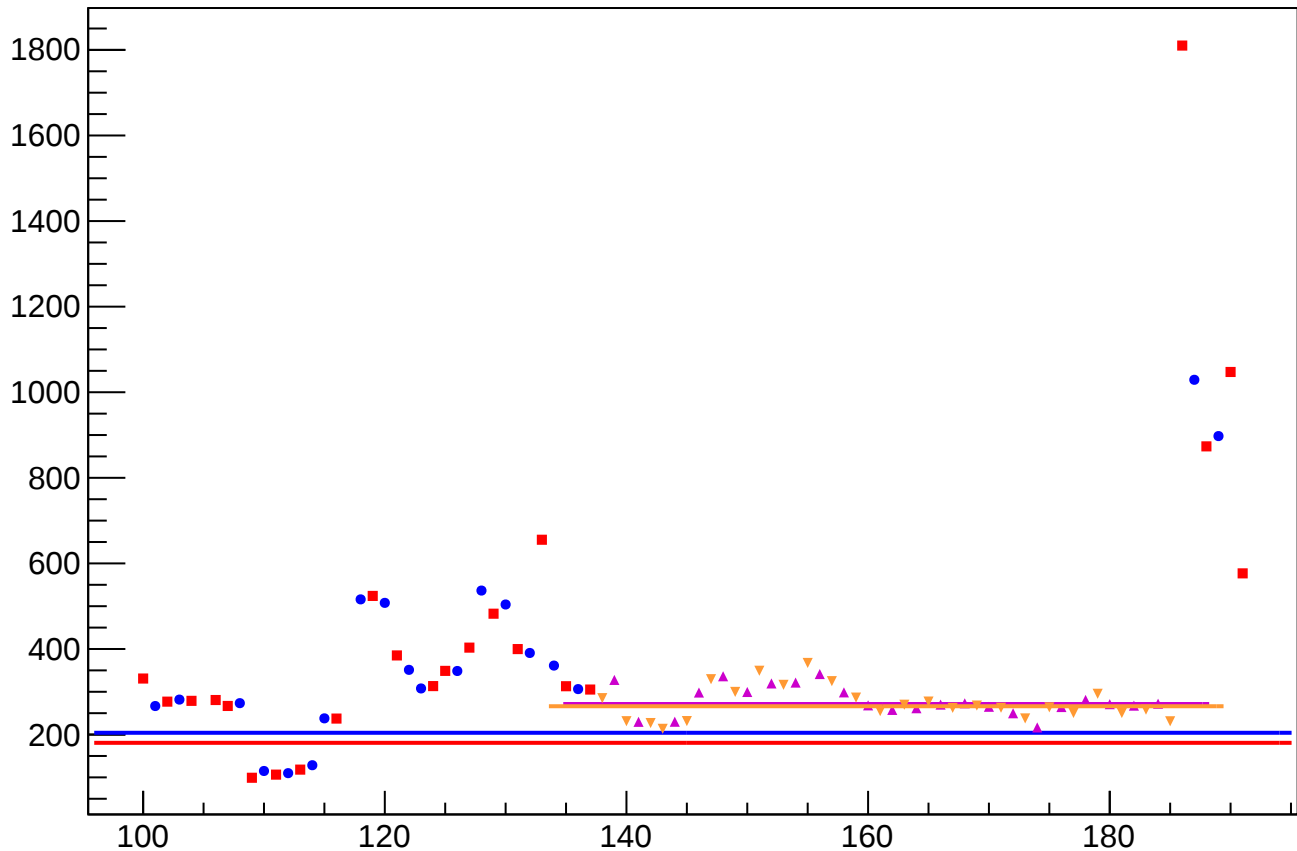
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 58.216 ± 51.498 χ^2/NDF : 68.8/43

All: 130.223 ± 35.778 χ^2/NDF : 118.6/89

- sign 197.403 ± 49.742 χ^2/NDF : 46.1/45

asym_sam8_rms vs Slug



Right In: 204.194+/-0.064 χ^2/NDF : 4075775.4/18

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 180.725+/-0.054 χ^2/NDF : 6516916.2/22

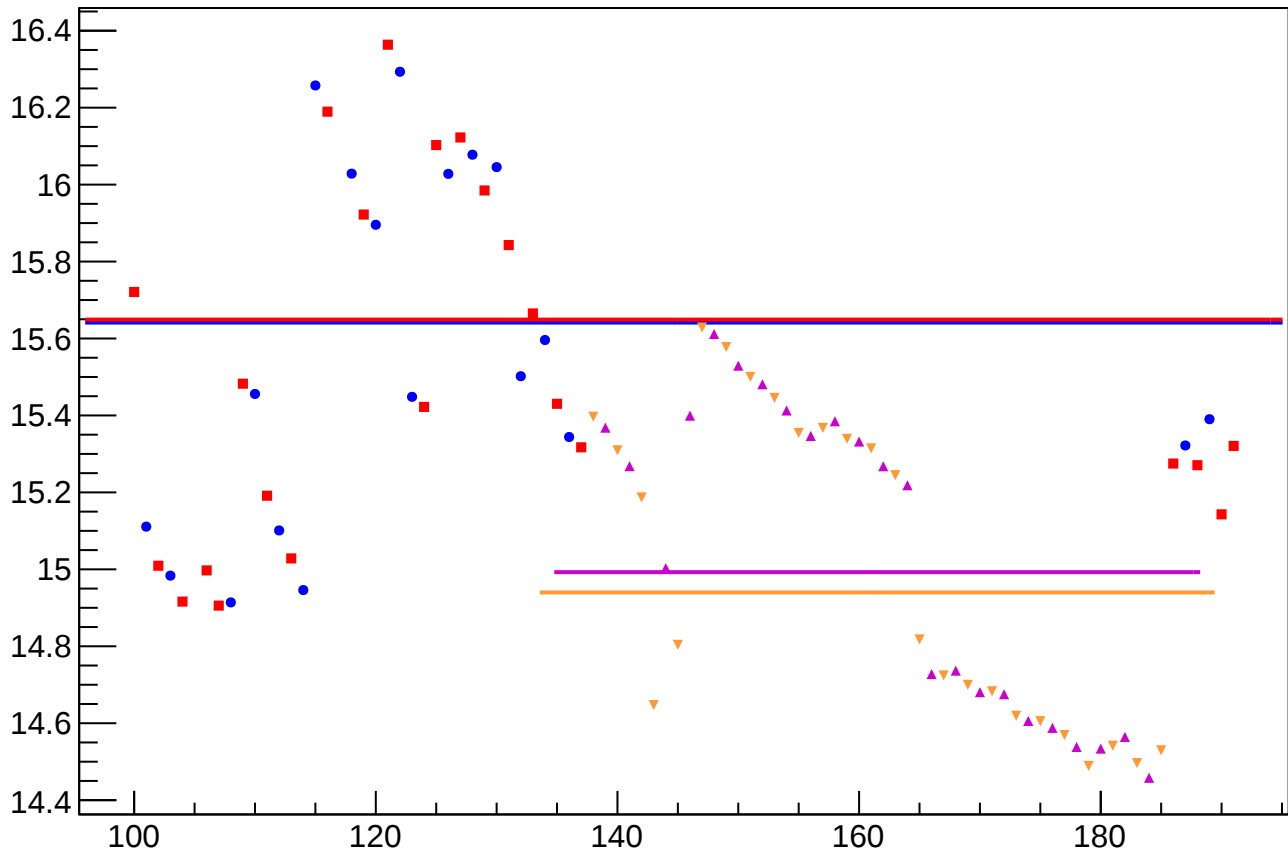
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 246.104+/-0.036 χ^2/NDF : 5360761.7/43

All: 239.331+/-0.025 χ^2/NDF : 14089485.9/89

- sign 233.012+/-0.035 χ^2/NDF : 8661847.1/45

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: 15.649 $\pm$ 0.000 χ^2 /NDF: 5806534520.0/22

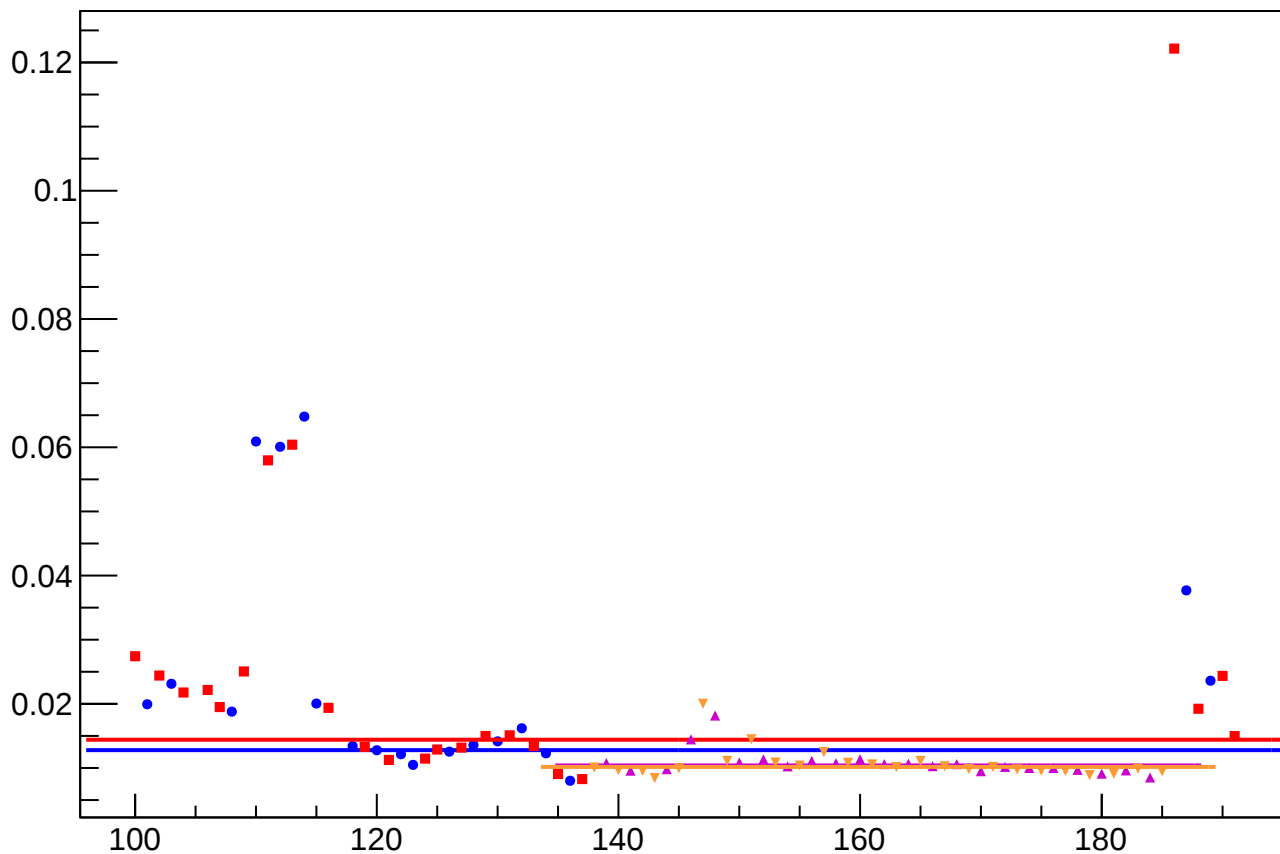
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 15.058 $\pm$ 0.000 χ^2 /NDF: 43579399303.6/43

All: 15.083 $\pm$ 0.000 χ^2 /NDF: 83287764375.9

- sign 15.109 $\pm$ 0.000 χ^2 /NDF: 39458230315.0/45

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2446903.2/18

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2882084.5/22

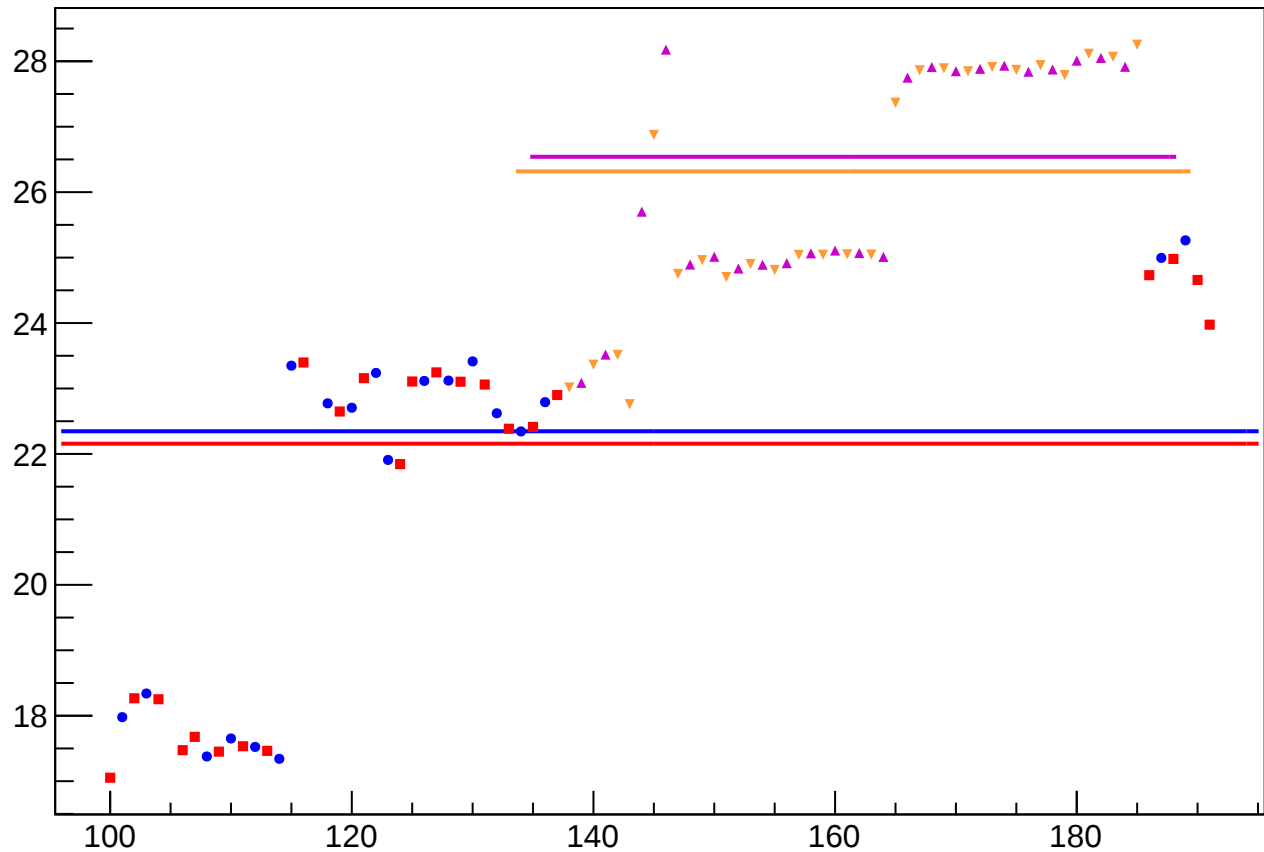
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3550546.5/43

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 7893118.2/89

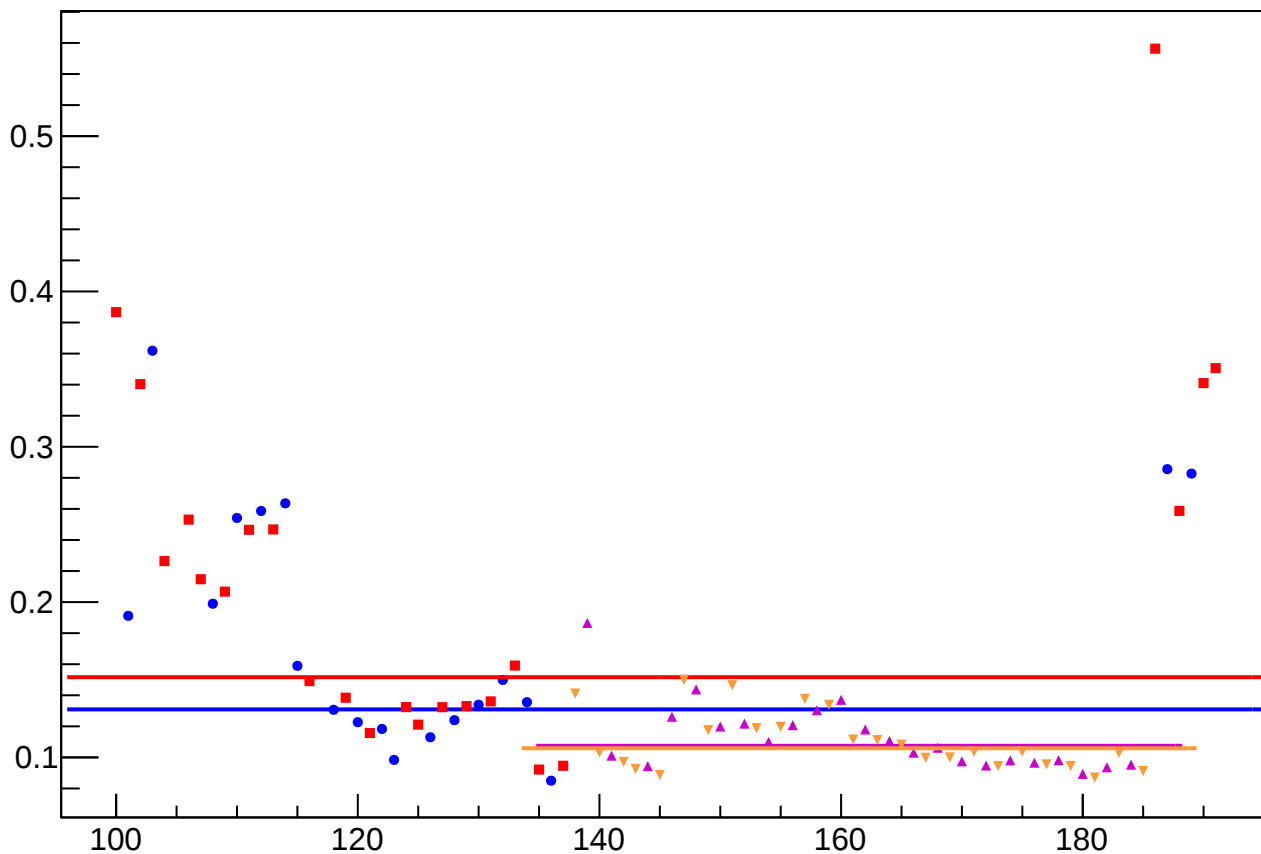
- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4293664.7/45

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: 22.157 $\pm$ 0.000 χ^2 /NDF: 1193827455.0/22
 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
 - sign 25.731 $\pm$ 0.000 χ^2 /NDF: 9101498466.9/45
 All: 25.657 $\pm$ 0.000 χ^2 /NDF: 18904618636.8

yield_sam2_rms vs Slug



Right In: 0.131 $\pm$ 0.000 χ^2 /NDF: 1817472.4/18

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 732883.8/24

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 2560475.3/22

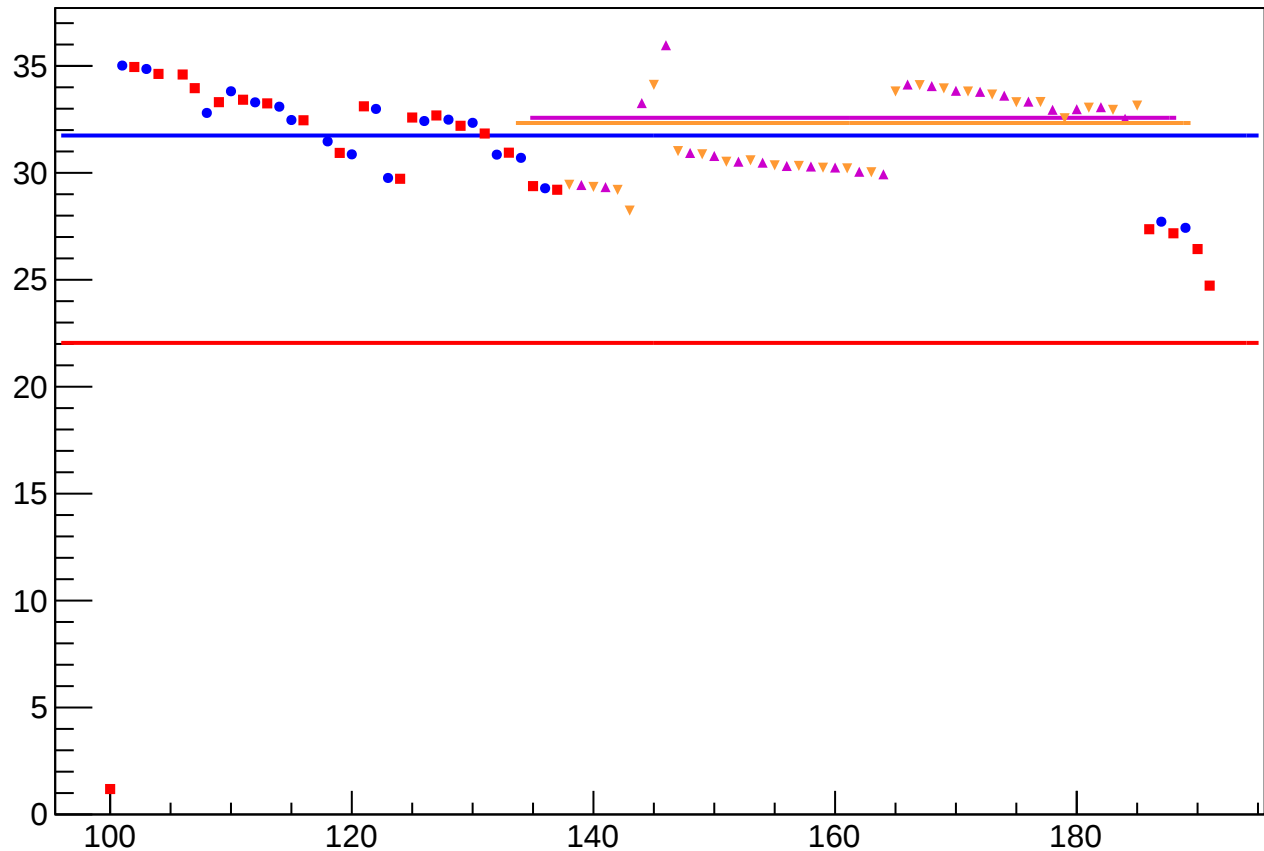
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF: 771132.0/22

+ sign 0.110 $\pm$ 0.000 χ^2 /NDF: 2875028.3/43

All: 0.113 $\pm$ 0.000 χ^2 /NDF: 7184746.8/89

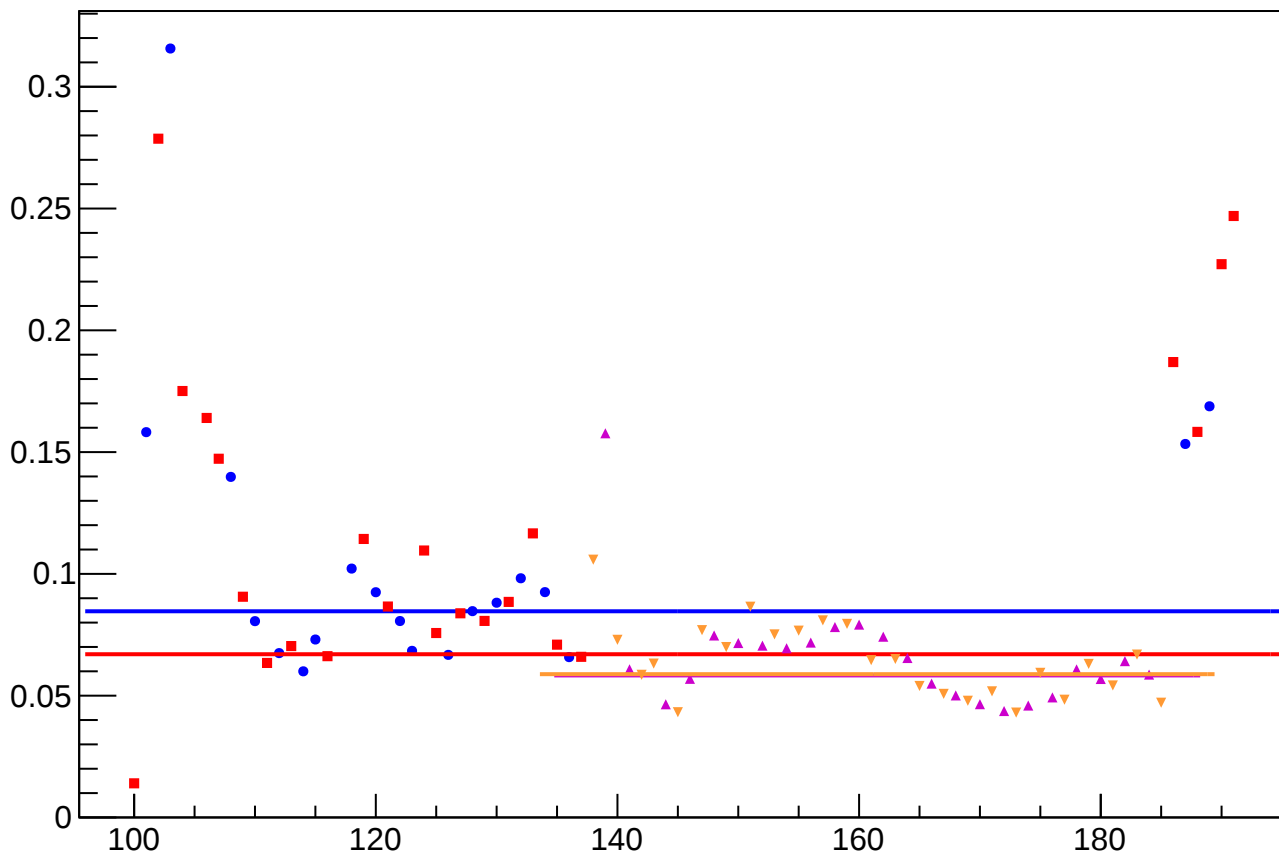
- sign 0.116 $\pm$ 0.000 χ^2 /NDF: 4265819.1/45

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: 31.222 $\pm$ 0.000	χ^2 /NDF: 363469912148.
Right Out: 22.049 $\pm$ 0.000	χ^2 /NDF: 230343744855.7/22	- sign 30.243 $\pm$ 0.000	χ^2 /NDF: 338291877405.3/45
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: 0.067 $\pm$ 0.000 χ^2 /NDF: 5131762.6/22

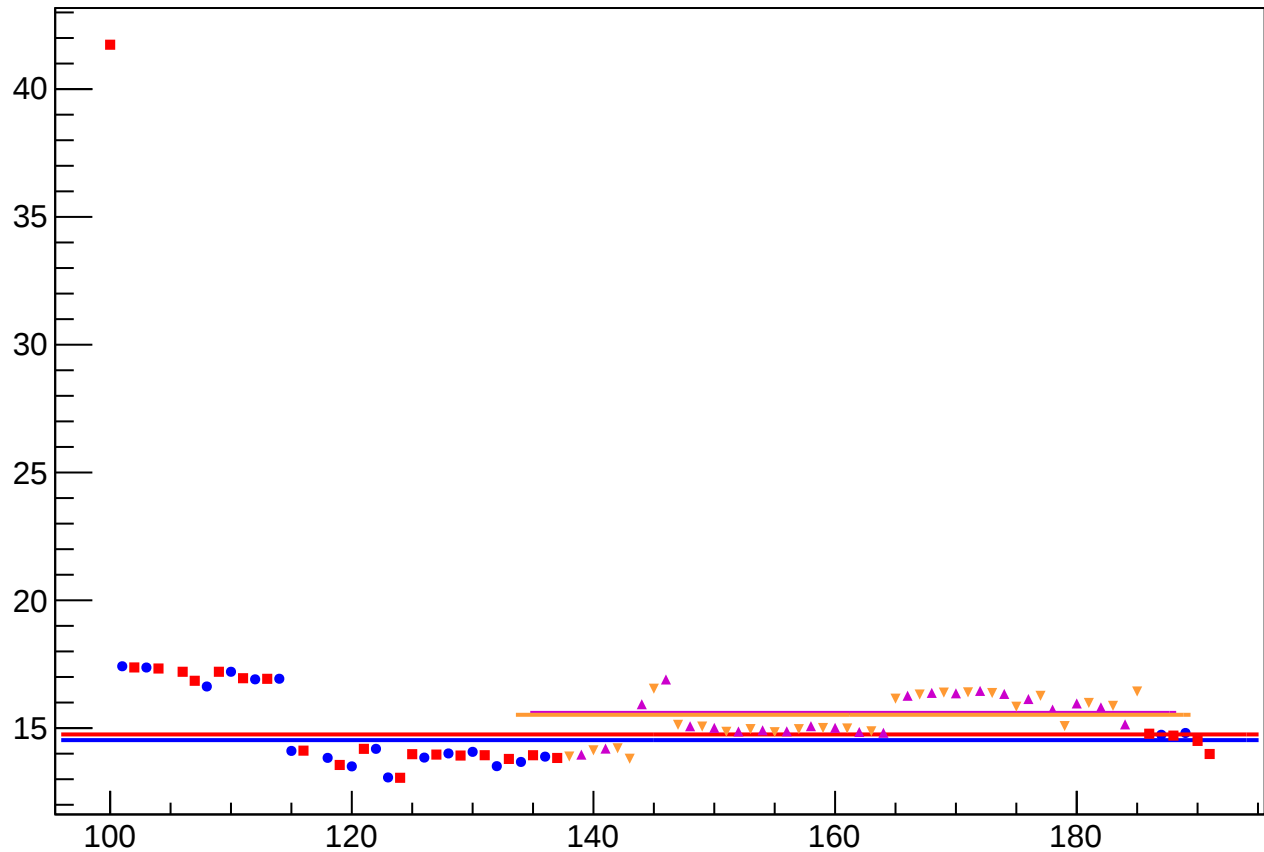
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.063 $\pm$ 0.000 χ^2 /NDF: 3676642.9/43

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 10496836.0/89

- sign 0.060 $\pm$ 0.000 χ^2 /NDF: 6788654.9/45

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: 14.752+/-0.000 χ^2/NDF : 1906940957.1/22

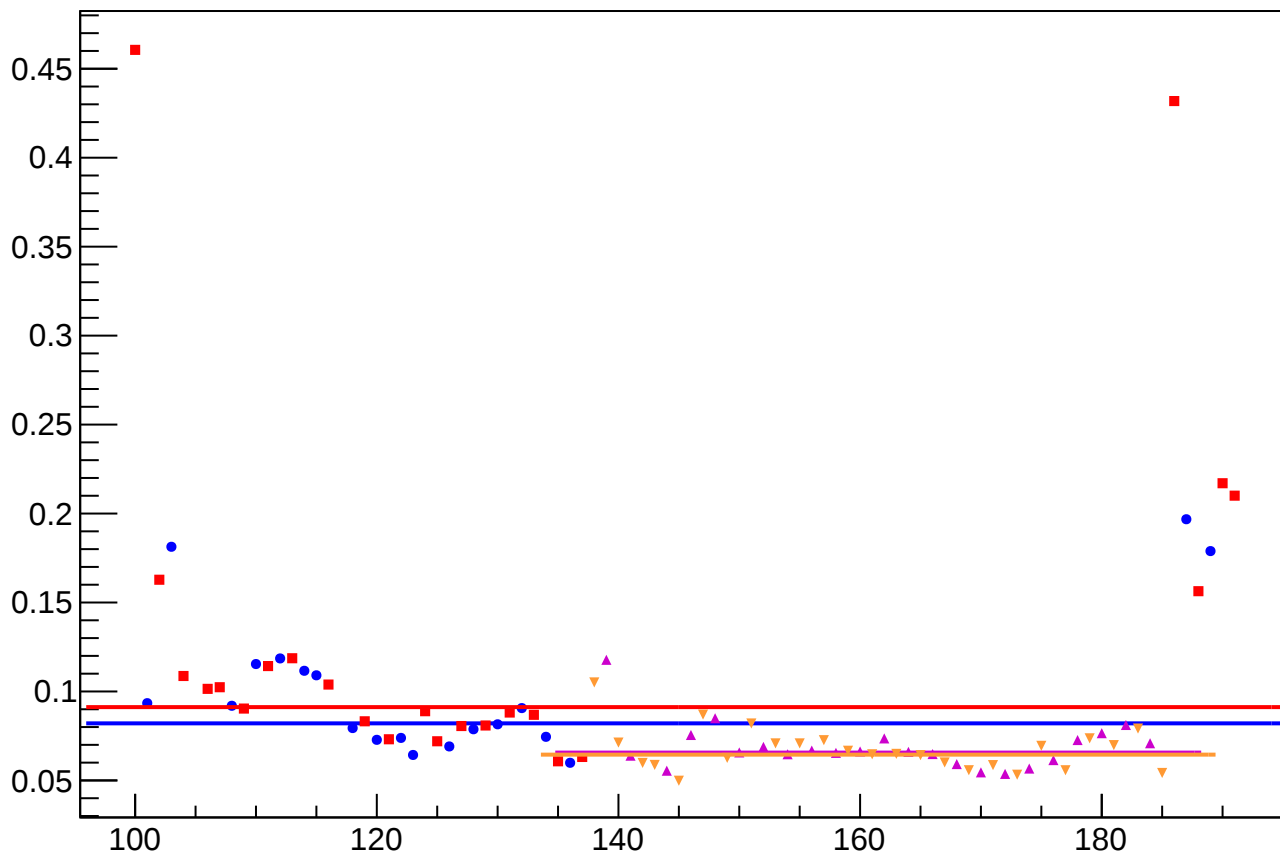
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.333+/-0.000 χ^2/NDF : 4775671631.3/43

All: 15.379+/-0.000 χ^2/NDF : 9095832339.3/8

- sign 15.428+/-0.000 χ^2/NDF : 4300196963.9/45

yield_sam4_rms vs Slug



Right In: 0.082 ± 0.000 χ^2/NDF : 1124682.1/18

Left Out: 0.064 ± 0.000 χ^2/NDF : 761552.3/24

Right Out: 0.091 ± 0.000 χ^2/NDF : 1925821.6/22

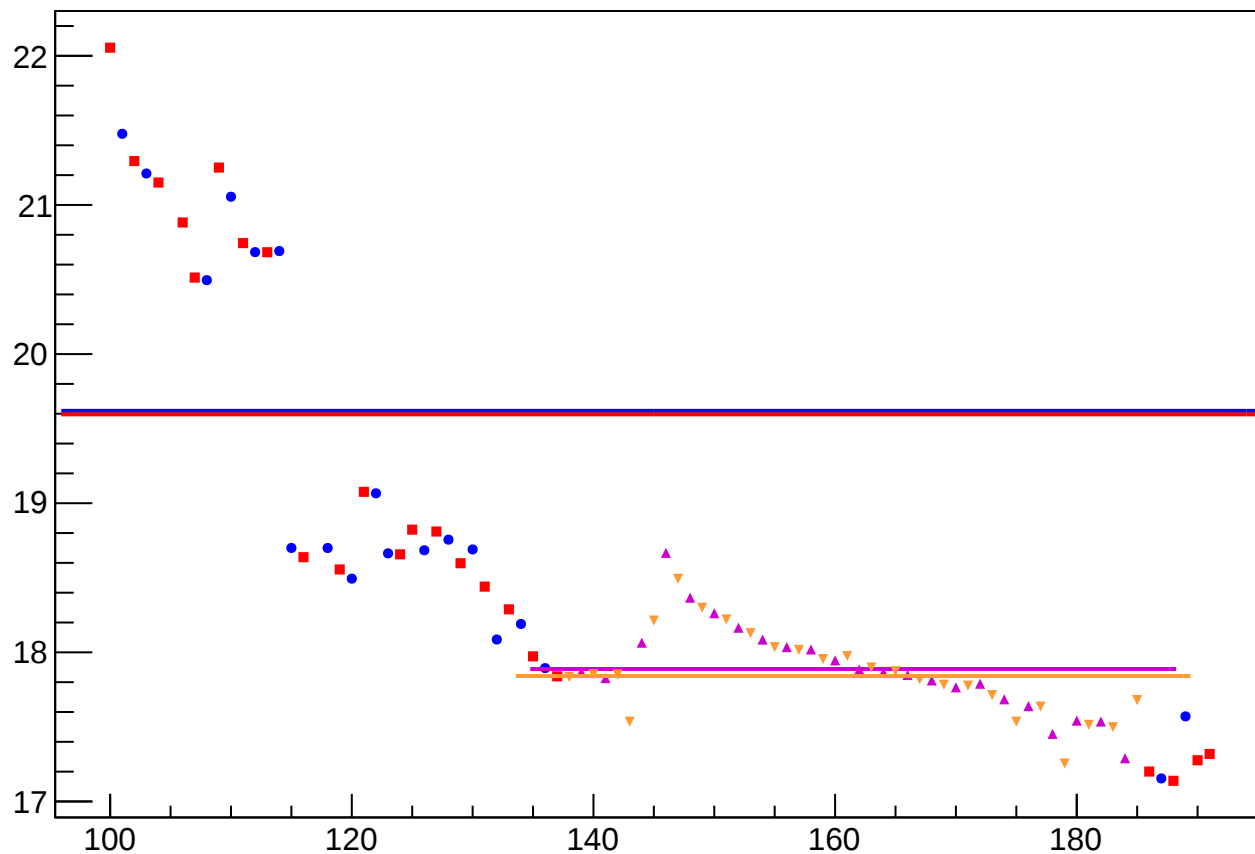
Left In: 0.066 ± 0.000 χ^2/NDF : 714703.1/22

+ sign 0.068 ± 0.000 χ^2/NDF : 2324980.9/43

All: 0.069 ± 0.000 χ^2/NDF : 5893335.4/89

- sign 0.071 ± 0.000 χ^2/NDF : 3531144.3/45

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: 19.596+/-0.000 χ^2/NDF : 15943504224.3/22

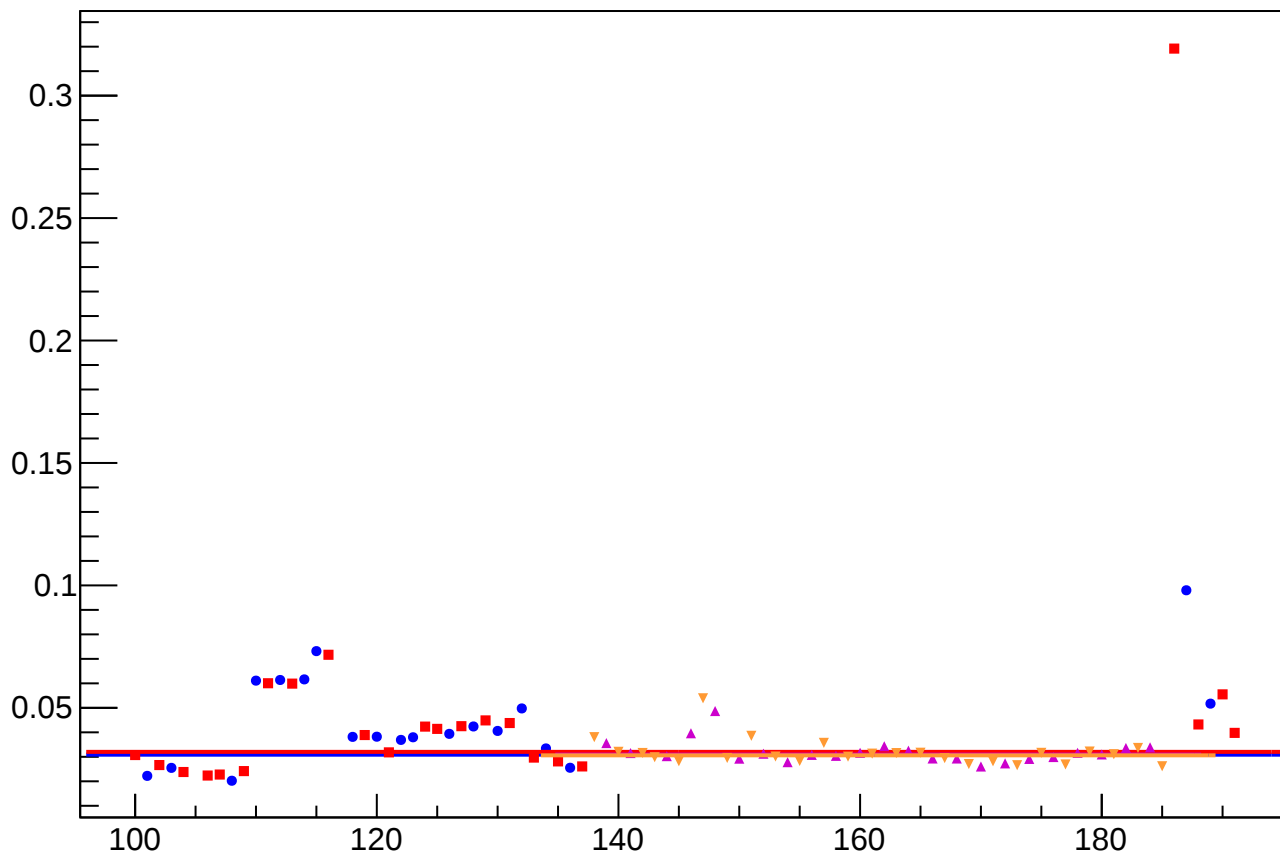
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.289+/-0.000 χ^2/NDF : 29218392142.7/43

All: 18.334+/-0.000 χ^2/NDF : 61055782846.2

- sign 18.380+/-0.000 χ^2/NDF : 31733896910.9/45

yield_sam5_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 1587196.9/18

Left Out: 0.031+/-0.000 χ^2/NDF : 590475.6/24

Right Out: 0.032+/-0.000 χ^2/NDF : 2029725.5/22

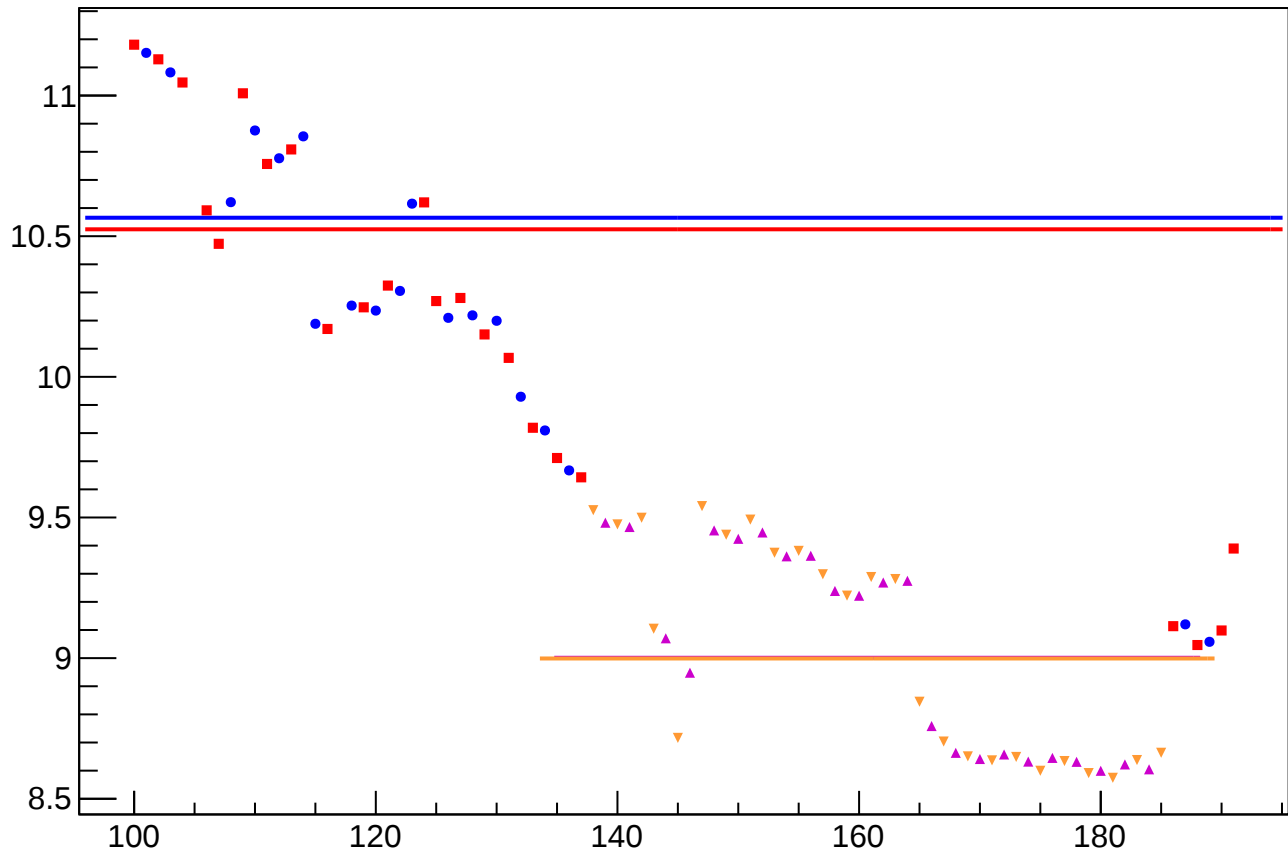
Left In: 0.031+/-0.000 χ^2/NDF : 453524.6/22

+ sign 0.031+/-0.000 χ^2/NDF : 2178343.5/43

All: 0.031+/-0.000 χ^2/NDF : 4681737.6/89

- sign 0.031+/-0.000 χ^2/NDF : 2495915.3/45

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: 10.524 $\pm$ 0.000 χ^2 /NDF: 7770300775.4/22

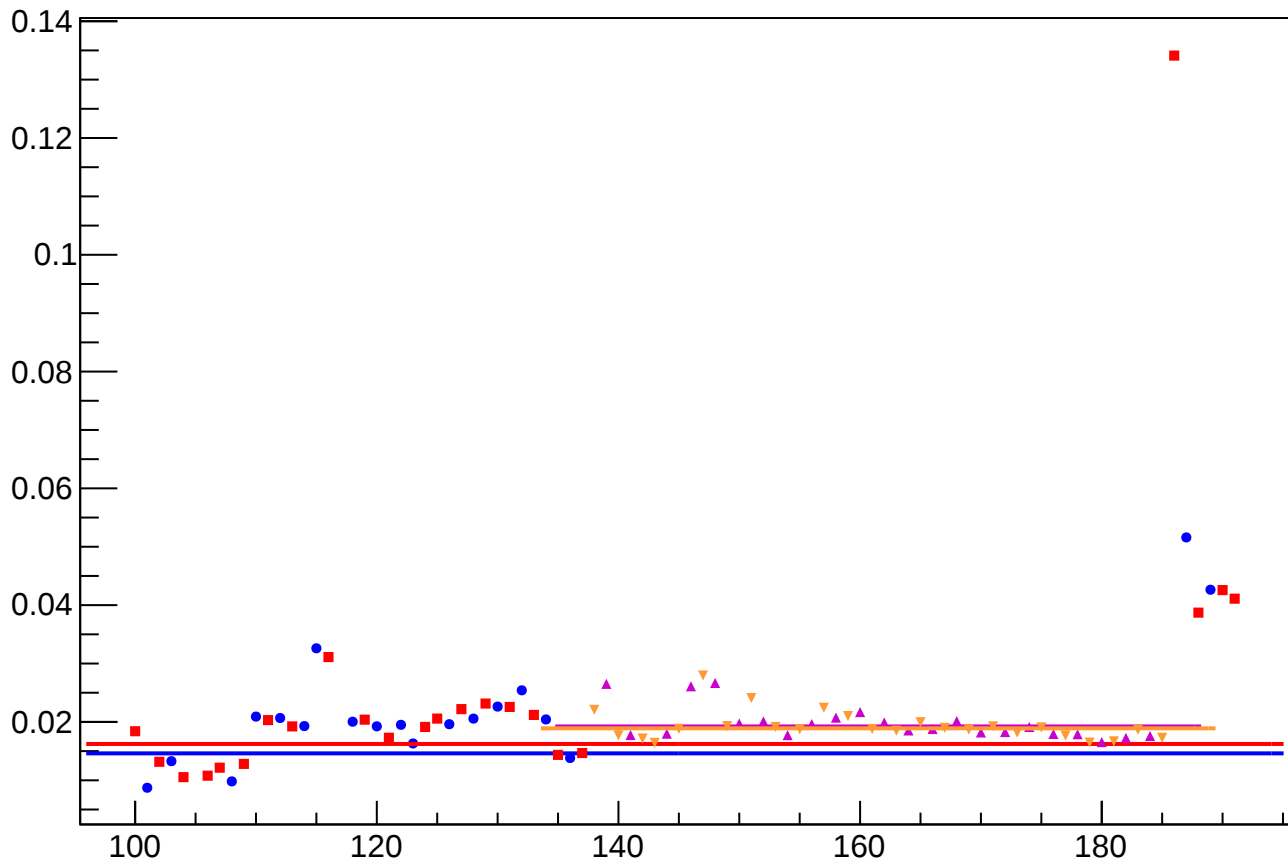
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.561 $\pm$ 0.000 χ^2 /NDF: 55940405587.0/43

All: 9.570 $\pm$ 0.000 χ^2 /NDF: 106717306722.8

- sign 9.579 $\pm$ 0.000 χ^2 /NDF: 50765582450.2/45

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 : 2615671.6/22

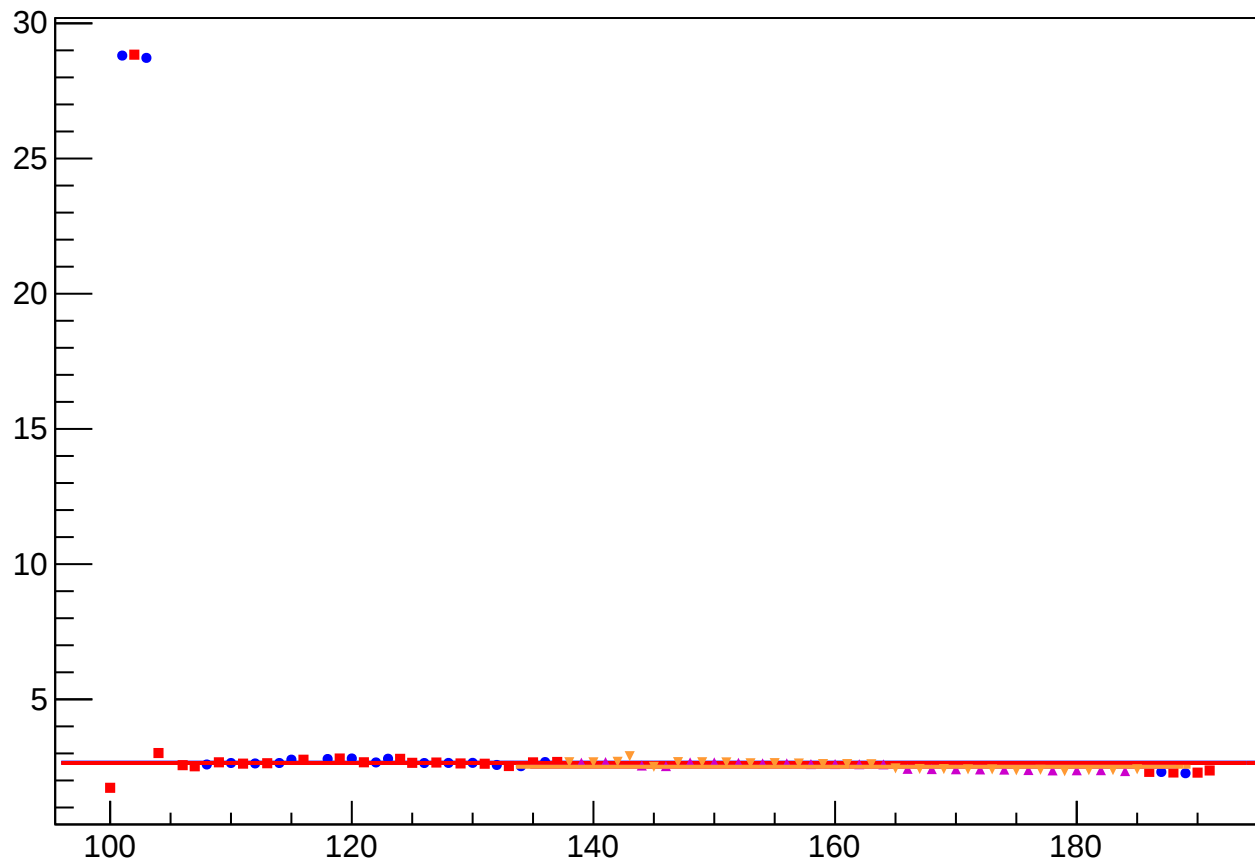
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.017+/-0.000 χ^2/NDF : 2963083.0/43

All: 0.018+/-0.000 χ^2/NDF : 6390877.9/89

- sign 0.018+/-0.000 χ^2/NDF : 3390260.8/45

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: 2.647 $\pm$ 0.000 χ^2 /NDF: 77607792829.7/22

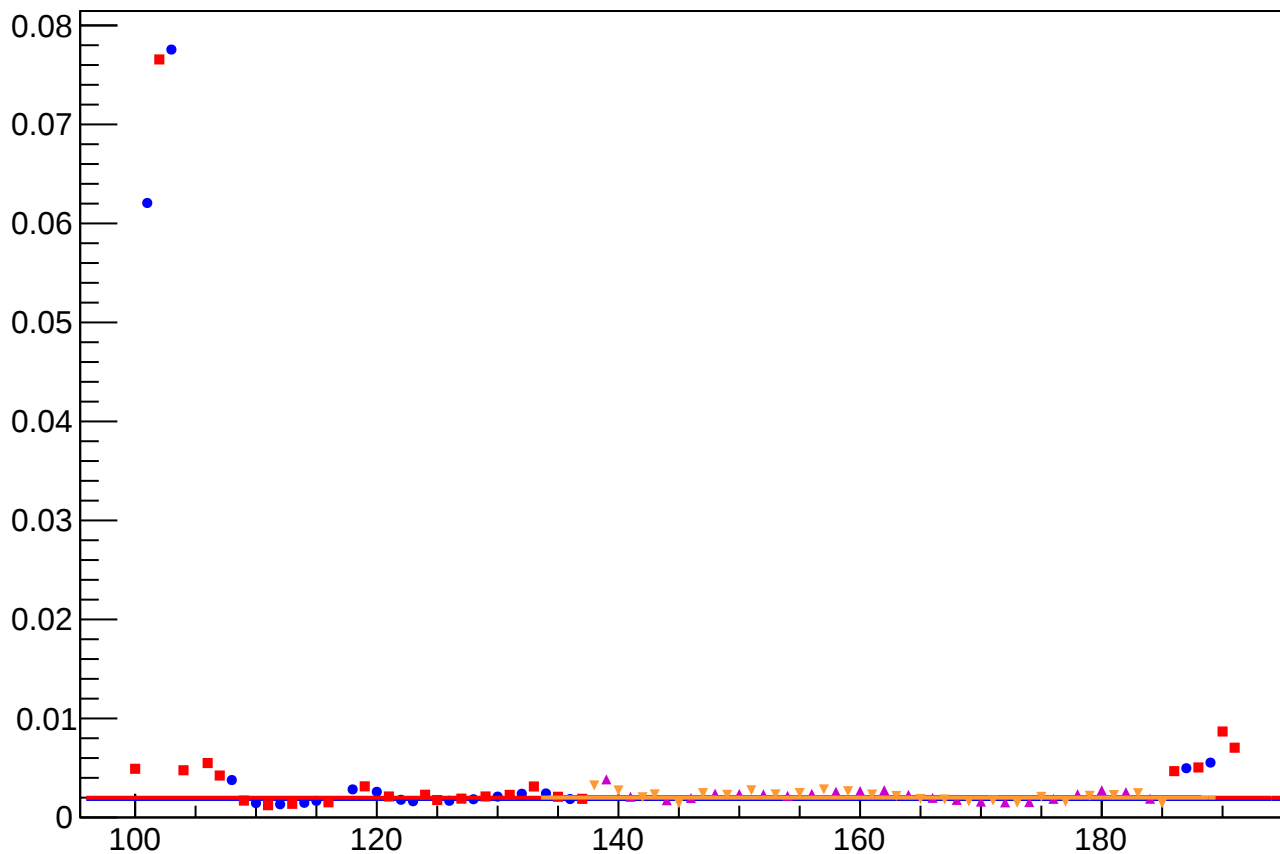
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.548 $\pm$ 0.000 χ^2 /NDF: 253122523505.2/43

All: 2.548 $\pm$ 0.000 χ^2 /NDF: 393908144838.9

- sign 2.549 $\pm$ 0.000 χ^2 /NDF: 140783850191.7/45

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: 3898597.5/22

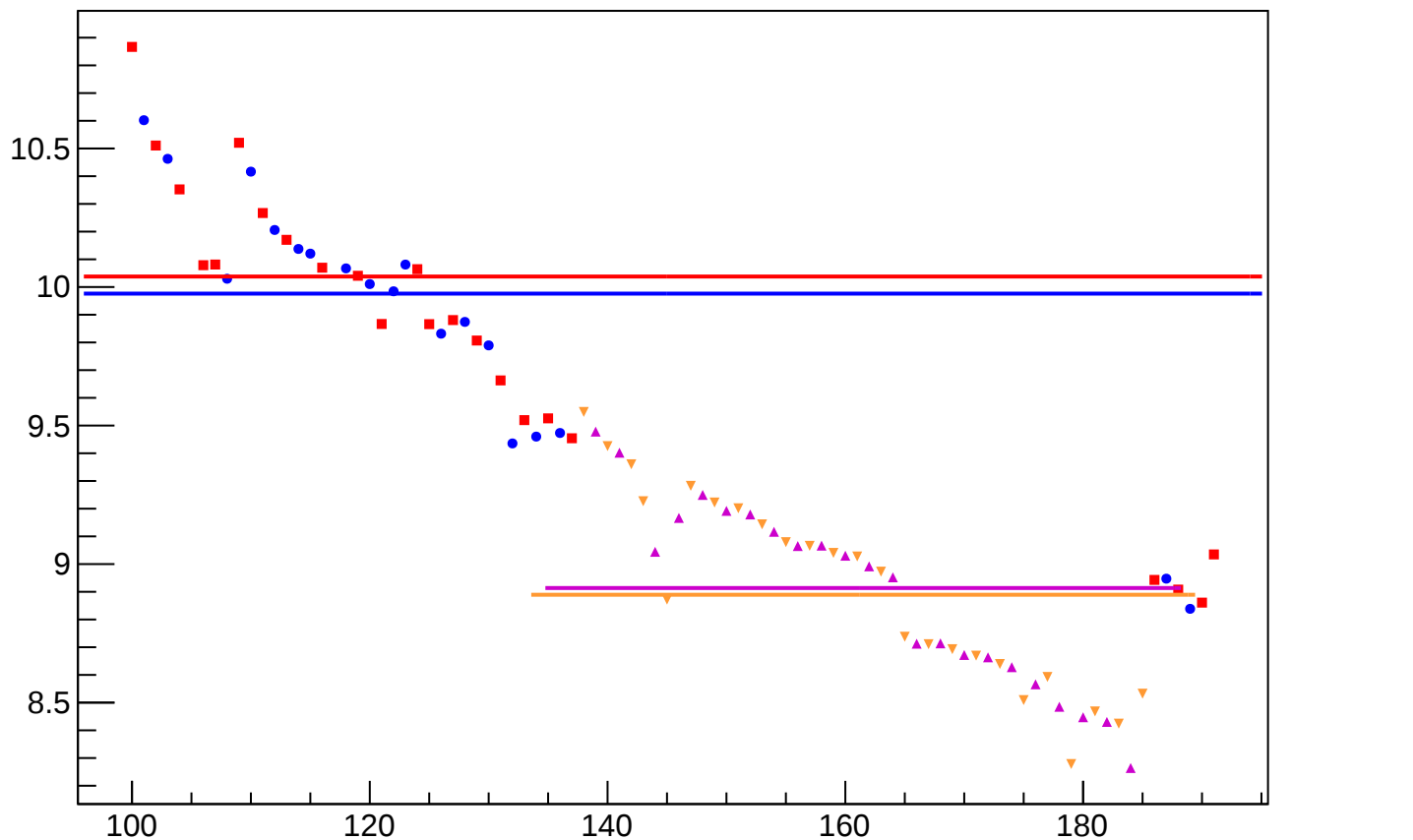
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4632554.4/43

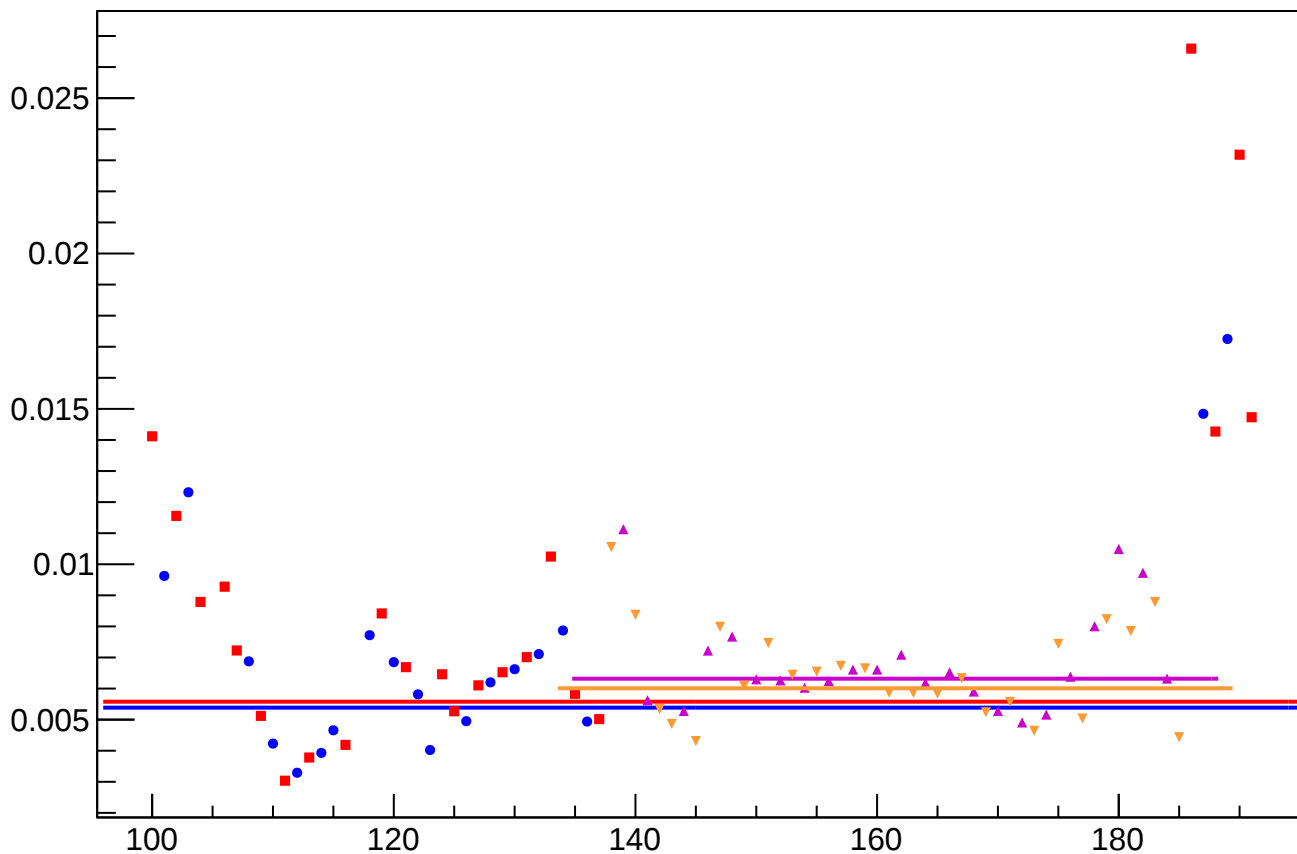
All: 0.002 $\pm$ 0.000 χ^2 /NDF: 9867678.8/89

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5211445.2/45

yield_sam8_mean vs Slug



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 : 3395772.2/22

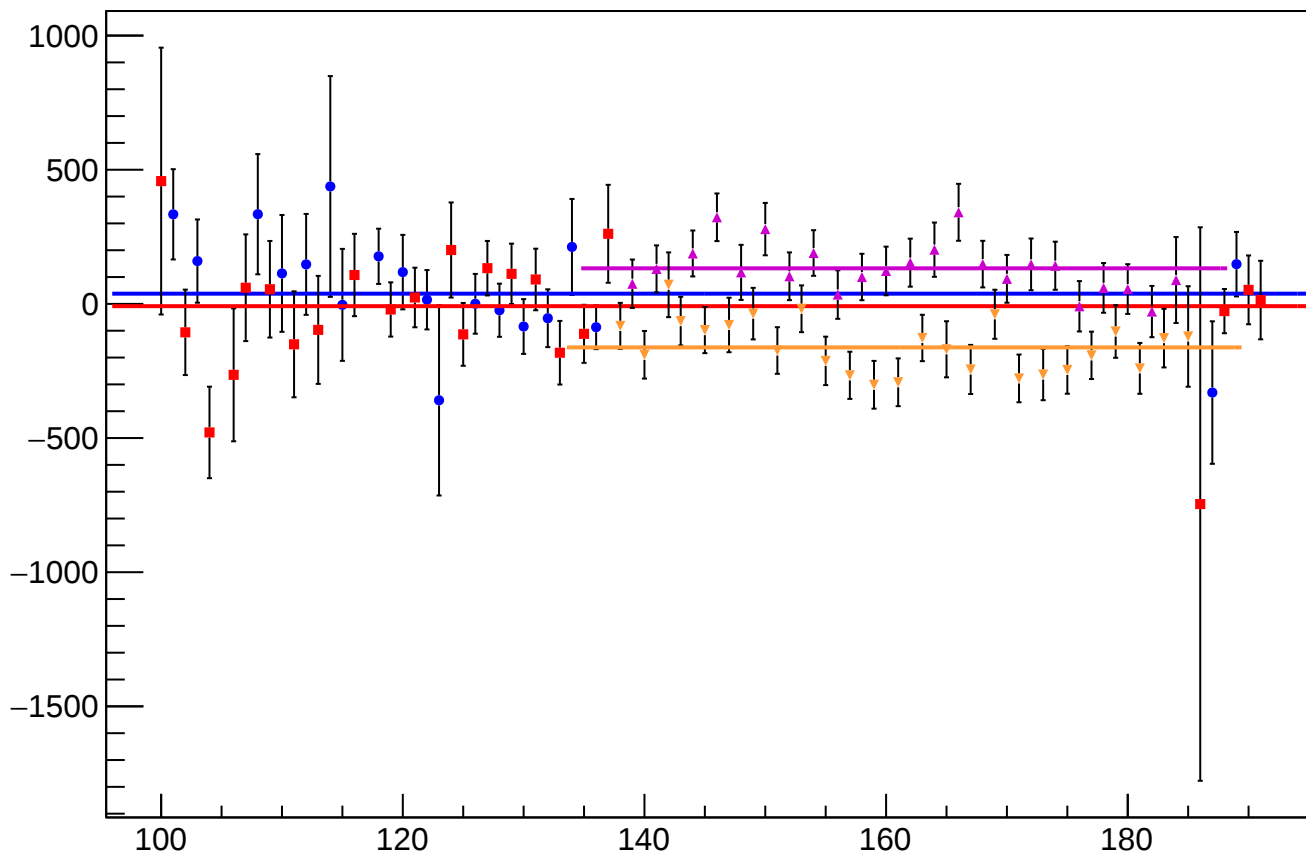
Left In: 0.006+/-0.000 χ^2/NDF :1087051.3/22

+ sign 0.006+/-0.000 χ^2/NDF : 3161247.5/43

All: 0.006+/-0.000 χ^2/NDF : 7813797.3/89

- sign 0.006+/-0.000 χ^2/NDF : 4621278.3/45

reg_asym_sam1_mean vs Slug



Right In: 38.108 ± 31.017 χ^2/NDF : 19.1/18

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -8.508 ± 28.618 χ^2/NDF : 23.6/22

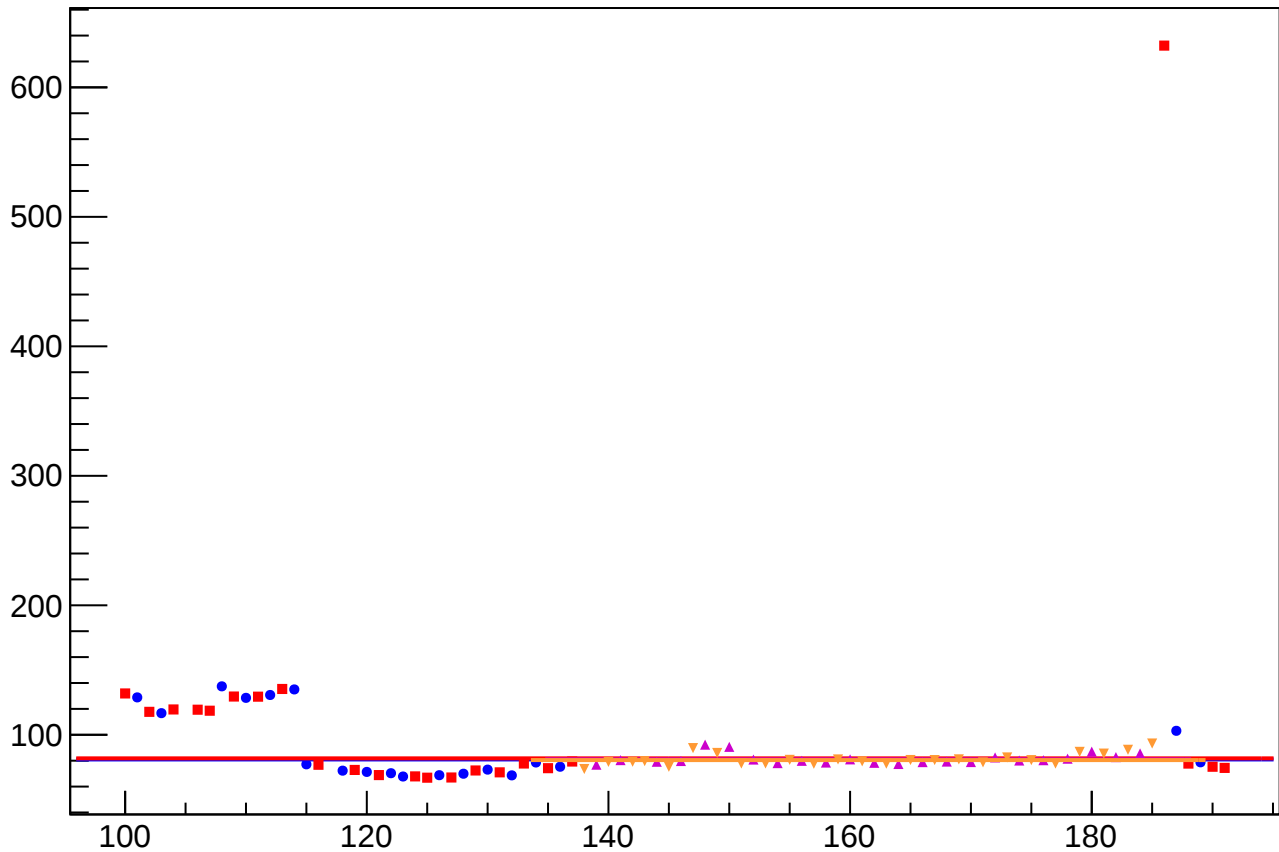
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -108.586 ± 16.043 χ^2/NDF : 75.3/43

All: -10.333 ± 11.350 χ^2/NDF : 211.4/89

- sign 88.133 ± 16.060 χ^2/NDF : 61.0/45

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: 81.800 $\pm$ 0.020 χ^2 /NDF: 1494352.2/22

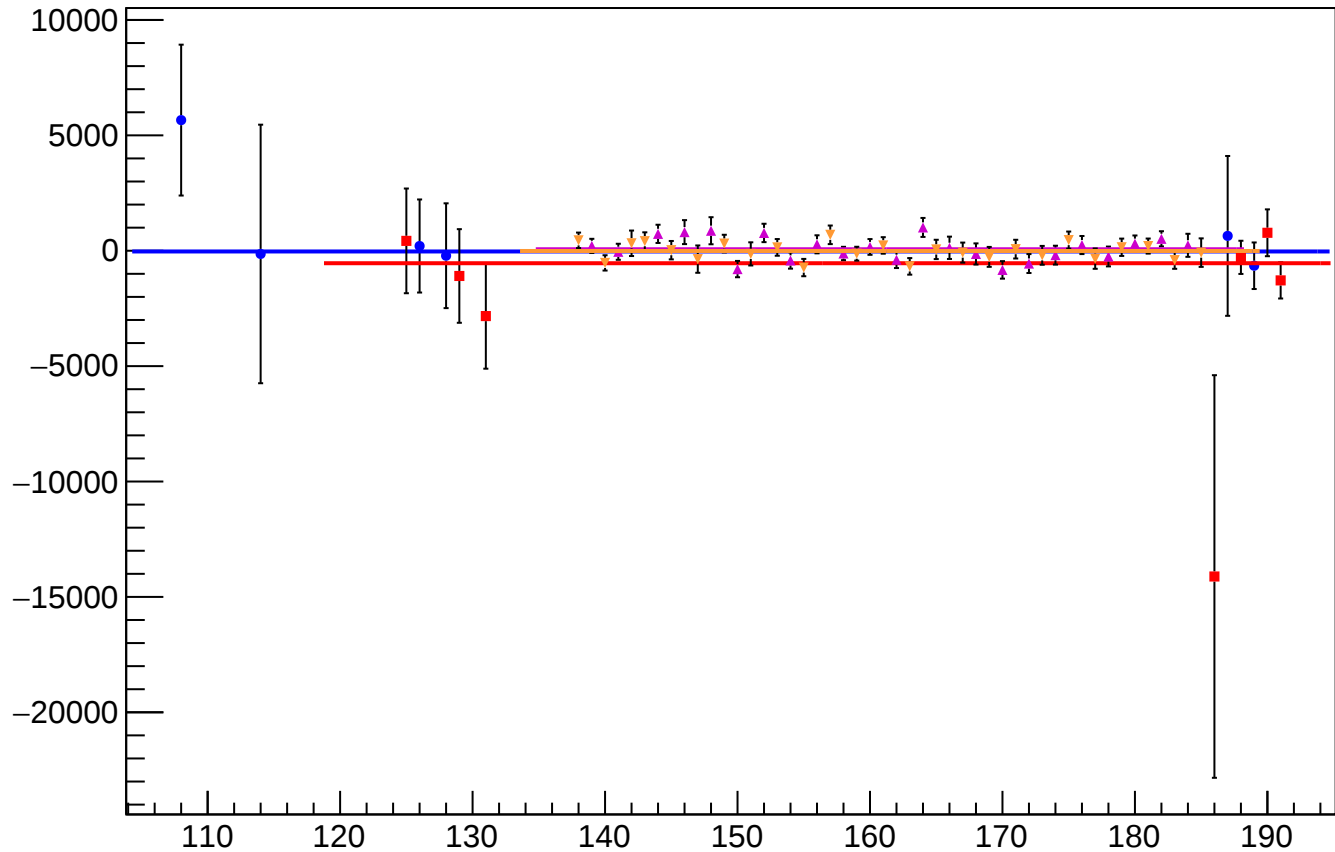
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 80.590 $\pm$ 0.011 χ^2 /NDF: 912693.0/43

All: 80.925 $\pm$ 0.008 χ^2 /NDF: 2482077.3/89

- sign 81.261 $\pm$ 0.011 χ^2 /NDF: 1567635.4/45

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: -540.752 ± 439.711 χ^2/NDF : 6.4/6

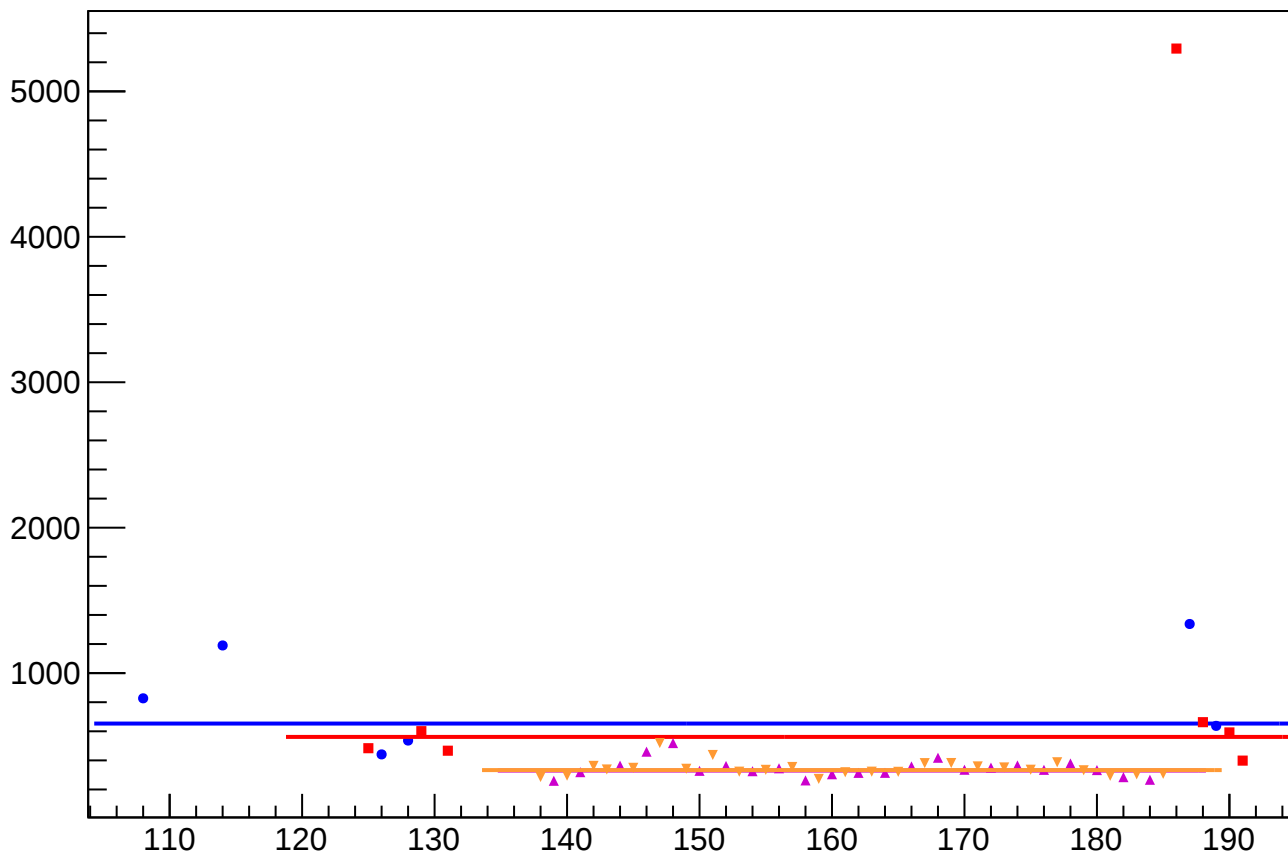
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -10.694 ± 78.001 χ^2/NDF : 26.0/30

All: 16.972 ± 55.419 χ^2/NDF : 71.9/60

- sign 45.174 ± 78.752 χ^2/NDF : 45.6/29

asym_sam1_correction_rms vs Slug



Right In: 653.235+/-0.554 χ^2/NDF : 130092.3/5

Left Out: 333.233+/-0.055 χ^2/NDF : 592122.2/24

Right Out: 561.413+/-0.311 χ^2/NDF : 723161.3/6

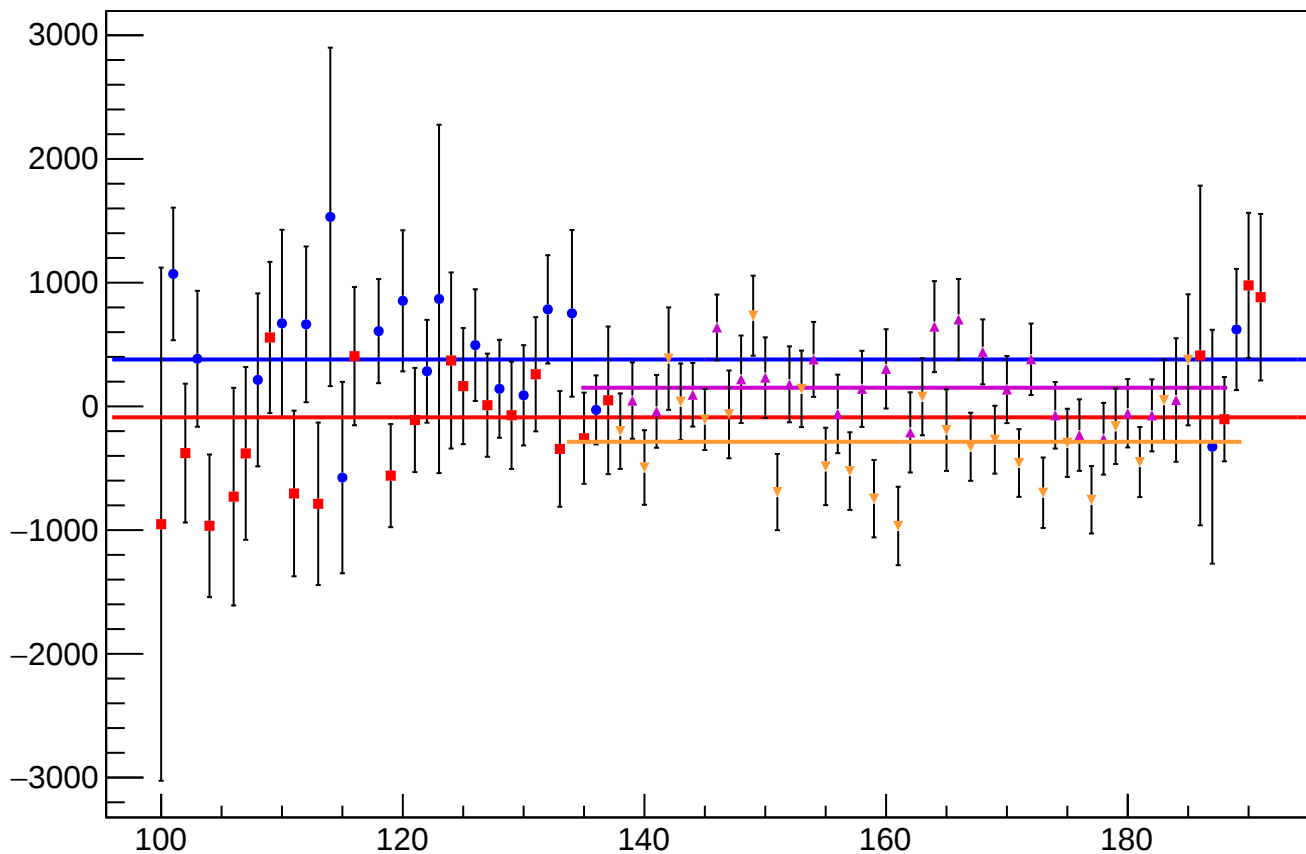
Left In: 329.985+/-0.057 χ^2/NDF : 795969.0/22

+ sign 336.410+/-0.055 χ^2/NDF : 1053100.2/30

All: 336.905+/-0.039 χ^2/NDF : 3108639.8/60

- sign 337.409+/-0.056 χ^2/NDF : 2055377.2/29

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: -88.391 ± 109.840 χ^2/NDF : 16.0/22

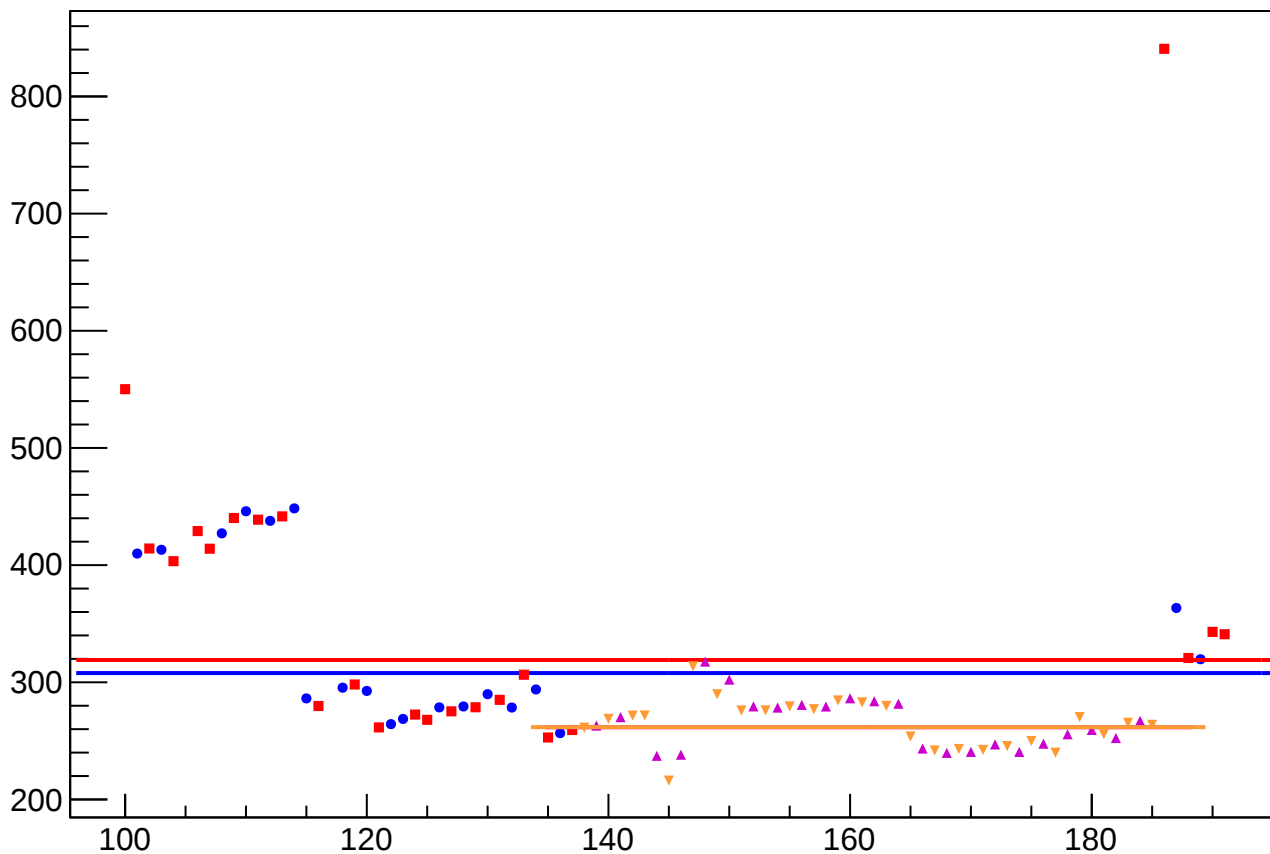
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -143.164 ± 54.139 χ^2/NDF : 72.5/43

All: -26.457 ± 38.420 χ^2/NDF : 120.2/89

- sign 91.939 ± 54.530 χ^2/NDF : 38.3/45

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: 319.040 $\pm$ 0.078 χ^2 /NDF: 920706.9/22

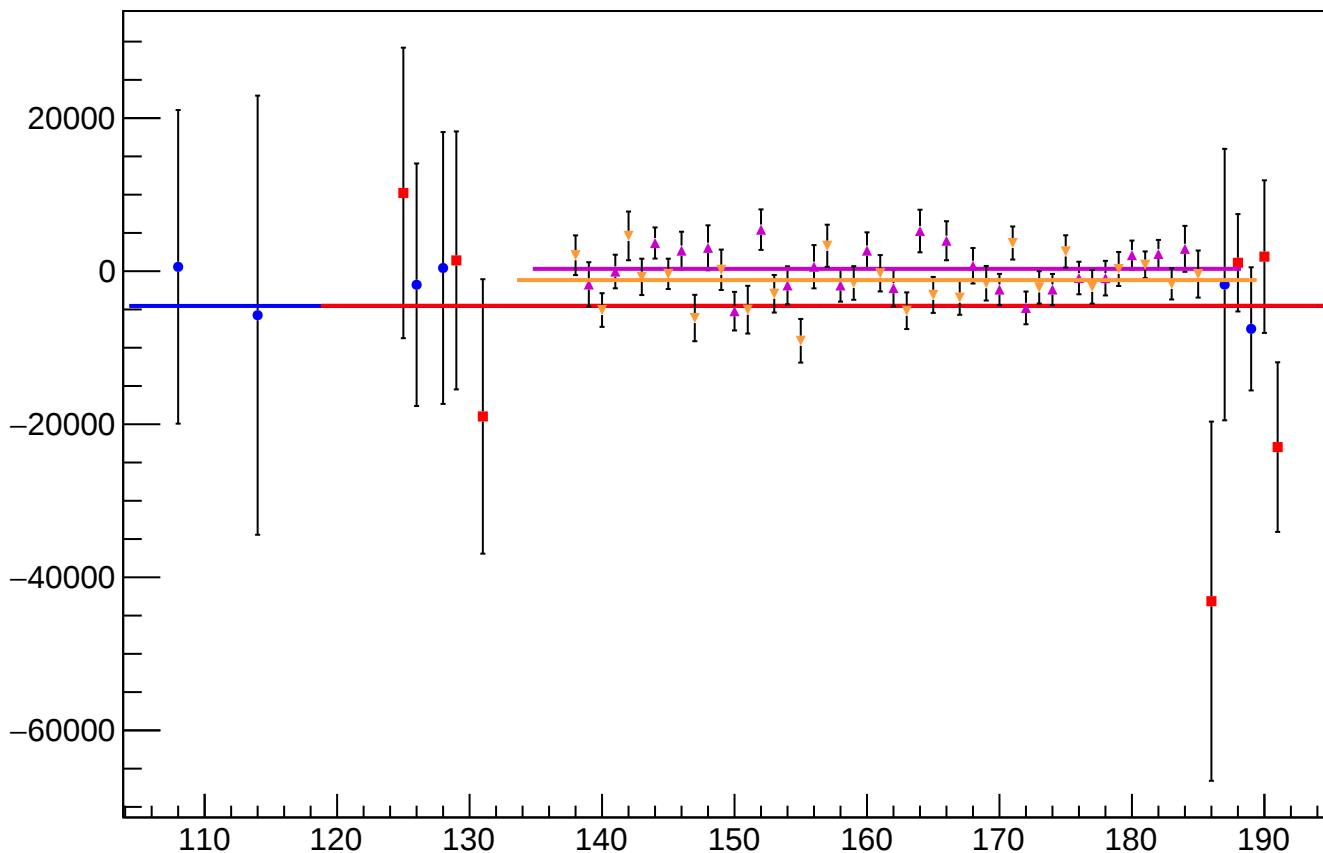
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 271.633 $\pm$ 0.038 χ^2 /NDF: 991886.6/43

All: 273.694 $\pm$ 0.027 χ^2 /NDF: 2558280.5/89

- sign 275.784 $\pm$ 0.039 χ^2 /NDF: 1560556.9/45

asym_sam2_correction_mean vs Slug



Right In: -4539.787 ± 5834.078 $\chi^2/\text{NDF}: 0.3/5$

Left Out: -1161.443 ± 469.036 $\chi^2/\text{NDF}: 38.8/24$

Right Out: -4521.448 ± 4298.026 $\chi^2/\text{NDF}: 8.1/6$

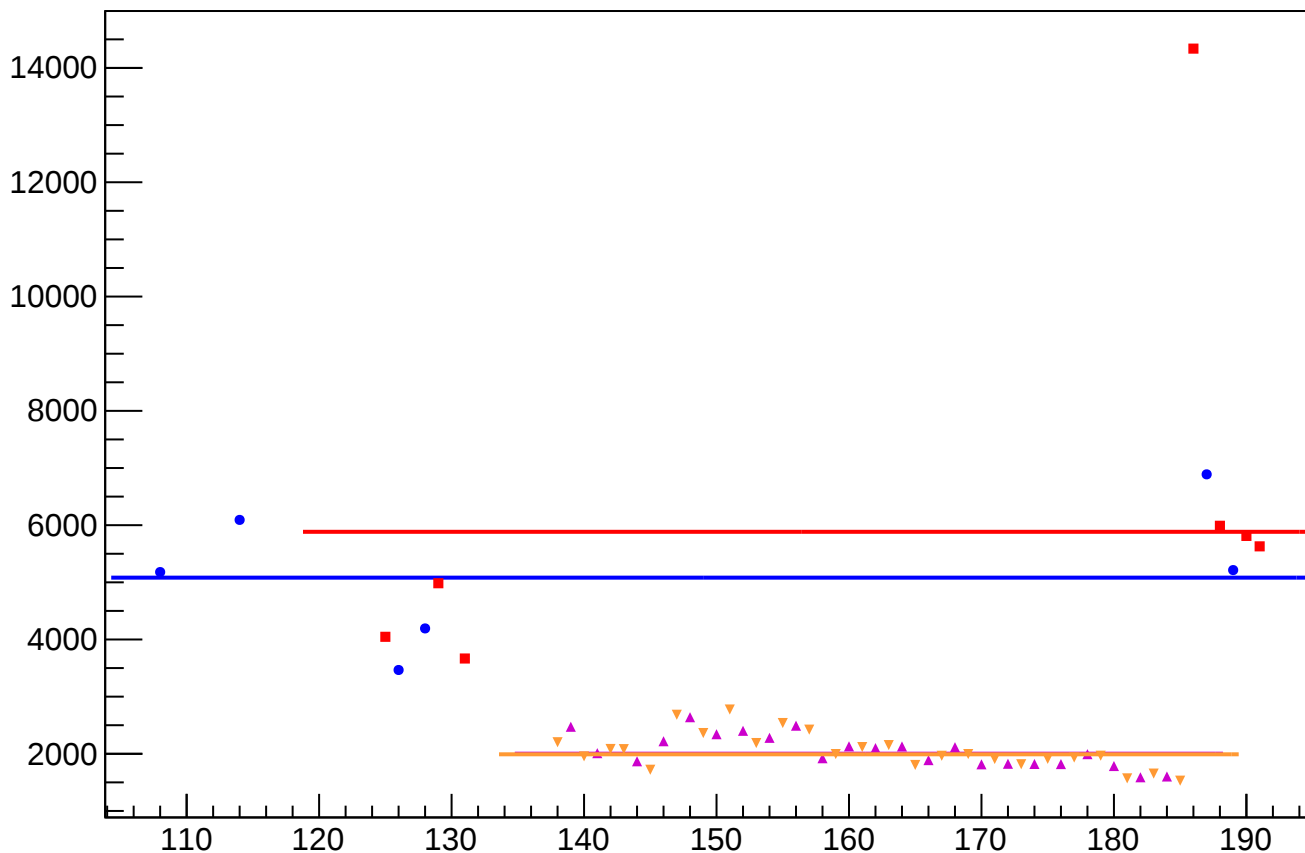
Left In: 304.366 ± 483.778 $\chi^2/\text{NDF}: 35.4/22$

+ sign -1183.138 ± 467.528 $\chi^2/\text{NDF}: 39.4/30$

All: -489.458 ± 335.167 $\chi^2/\text{NDF}: 88.6/60$

- sign 243.991 ± 480.743 $\chi^2/\text{NDF}: 44.7/29$

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: 5884.067+/-3.039 χ^2/NDF : 316257.6/6

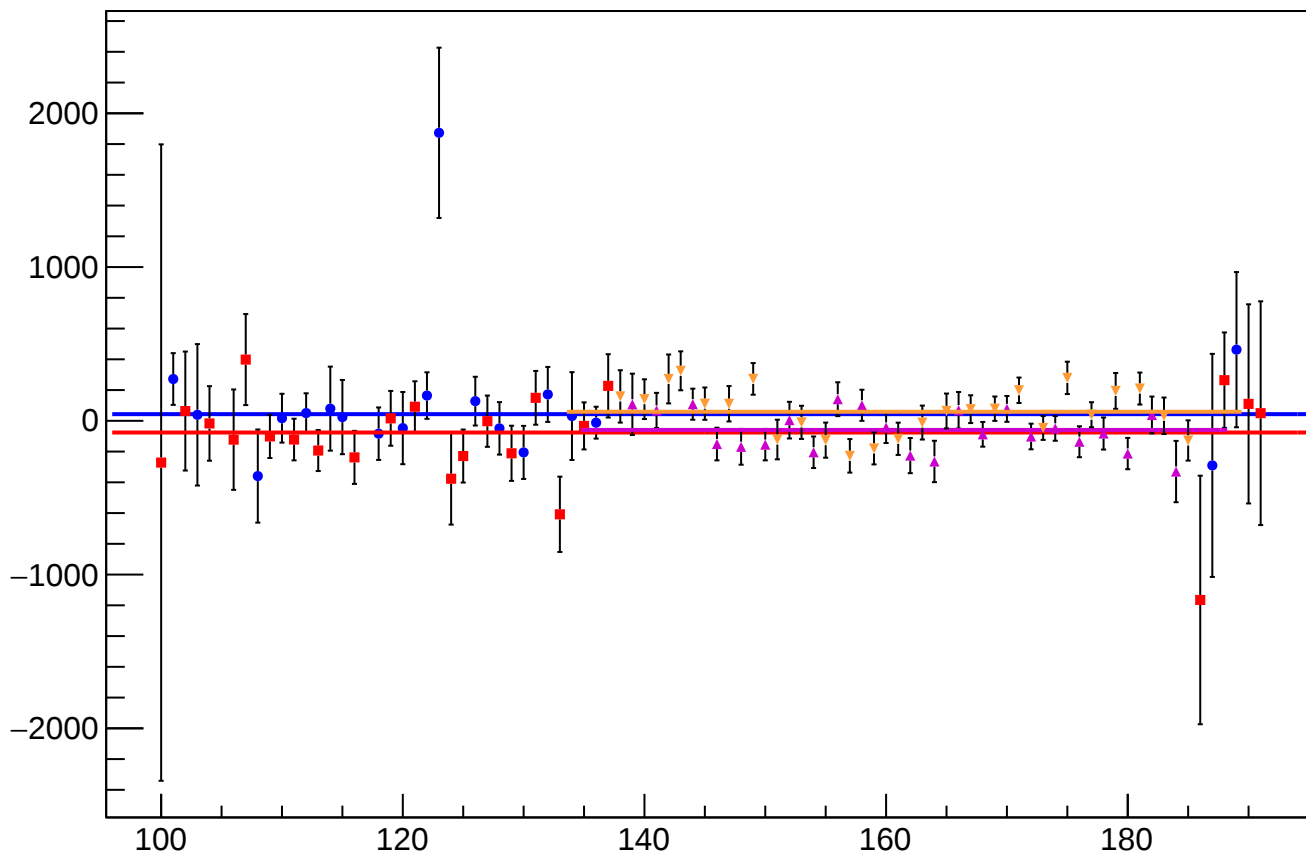
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2010.955+/-0.331 χ^2/NDF : 1333748.8/30

All: 2030.283+/-0.237 χ^2/NDF : 3854061.9/60

- sign 2050.720+/-0.340 χ^2/NDF : 2513280.5/29

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: -76.049 ± 42.574 χ^2/NDF : 20.2/22

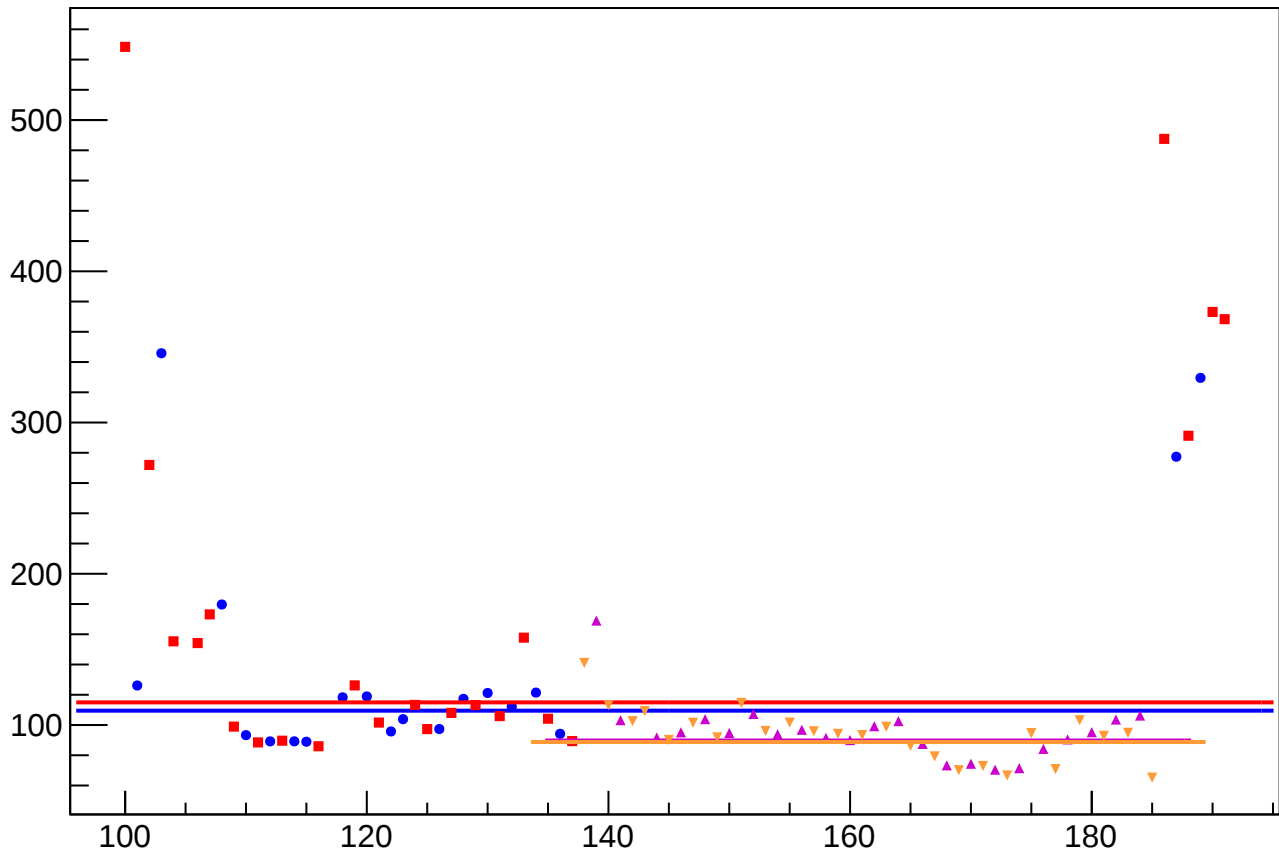
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 55.989 ± 19.003 χ^2/NDF : 67.3/43

All: -1.884 ± 13.606 χ^2/NDF : 136.1/89

- sign -62.758 ± 19.489 χ^2/NDF : 49.7/45

reg_asym_sam3_rms vs Slug



Right In: 109.483 ± 0.031 $\chi^2/\text{NDF}: 1336088.9/18$

Left Out: 88.748 ± 0.015 $\chi^2/\text{NDF}: 1079338.8/24$

Right Out: 114.972 ± 0.030 $\chi^2/\text{NDF}: 2593780.6/22$

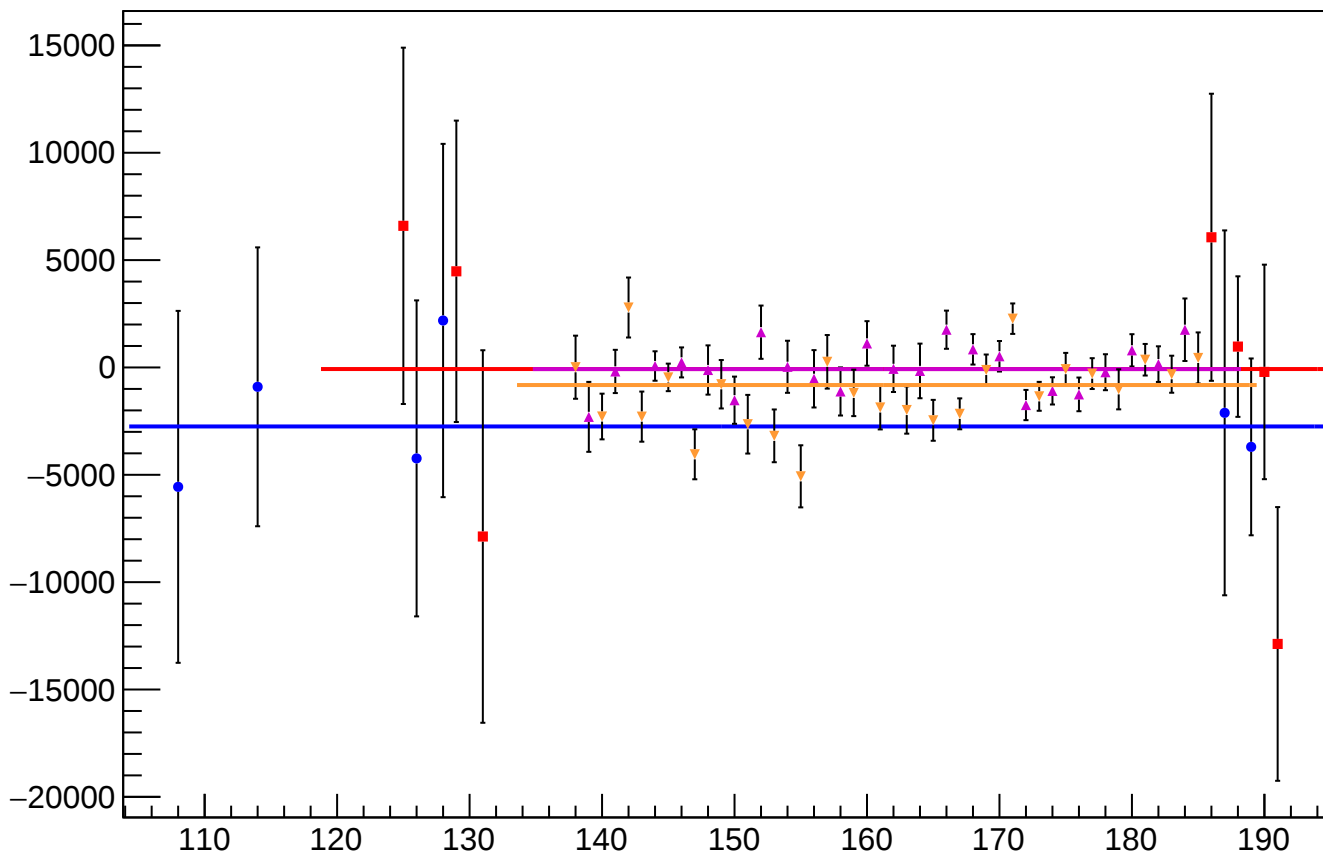
Left In: 89.766 ± 0.016 $\chi^2/\text{NDF}: 885818.0/22$

+ sign 92.725 ± 0.013 $\chi^2/\text{NDF}: 2784515.9/43$

All: 93.857 ± 0.010 $\chi^2/\text{NDF}: 6832846.6/89$

- sign 95.048 ± 0.014 $\chi^2/\text{NDF}: 4033760.1/45$

asym_sam3_correction_mean vs Slug



Right In: -2748.005 $\pm$ 2629.321 χ^2 /NDF: 0.7/5

Left Out: -818.877 $\pm$ 184.464 χ^2 /NDF:68.2/24

Right Out: -73.715 $\pm$ 2091.943 χ^2 /NDF: 6.9/6

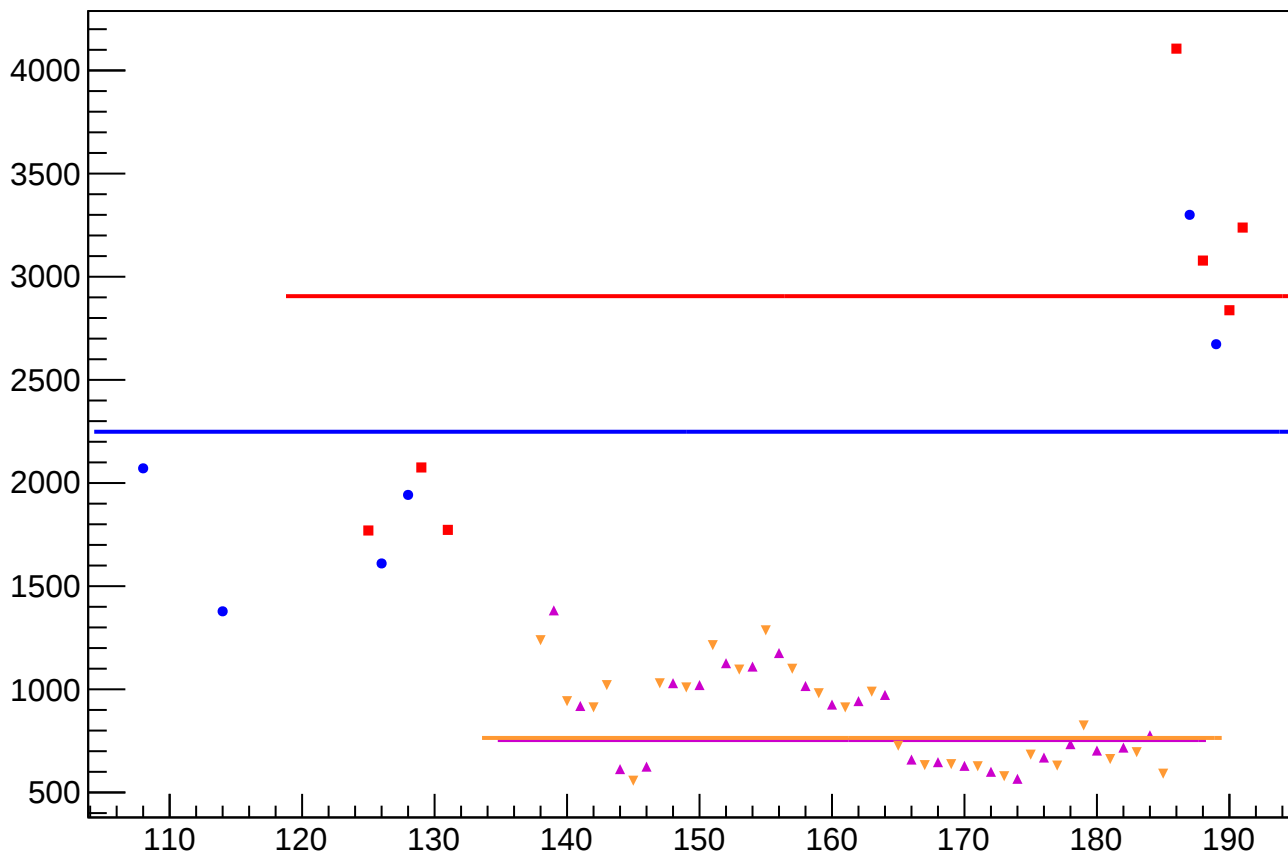
Left In: -76.204 $\pm$ 186.651 χ^2 /NDF:28.3/22

+ sign -828.325 $\pm$ 184.012 χ^2 /NDF: 69.4/30

All: -456.119 $\pm$ 130.783 χ^2 /NDF: 112.8/60

- sign -76.184 $\pm$ 185.912 χ^2 /NDF: 35.1/29

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: 2905.848+/-1.479 χ^2/NDF : 175367.6/6

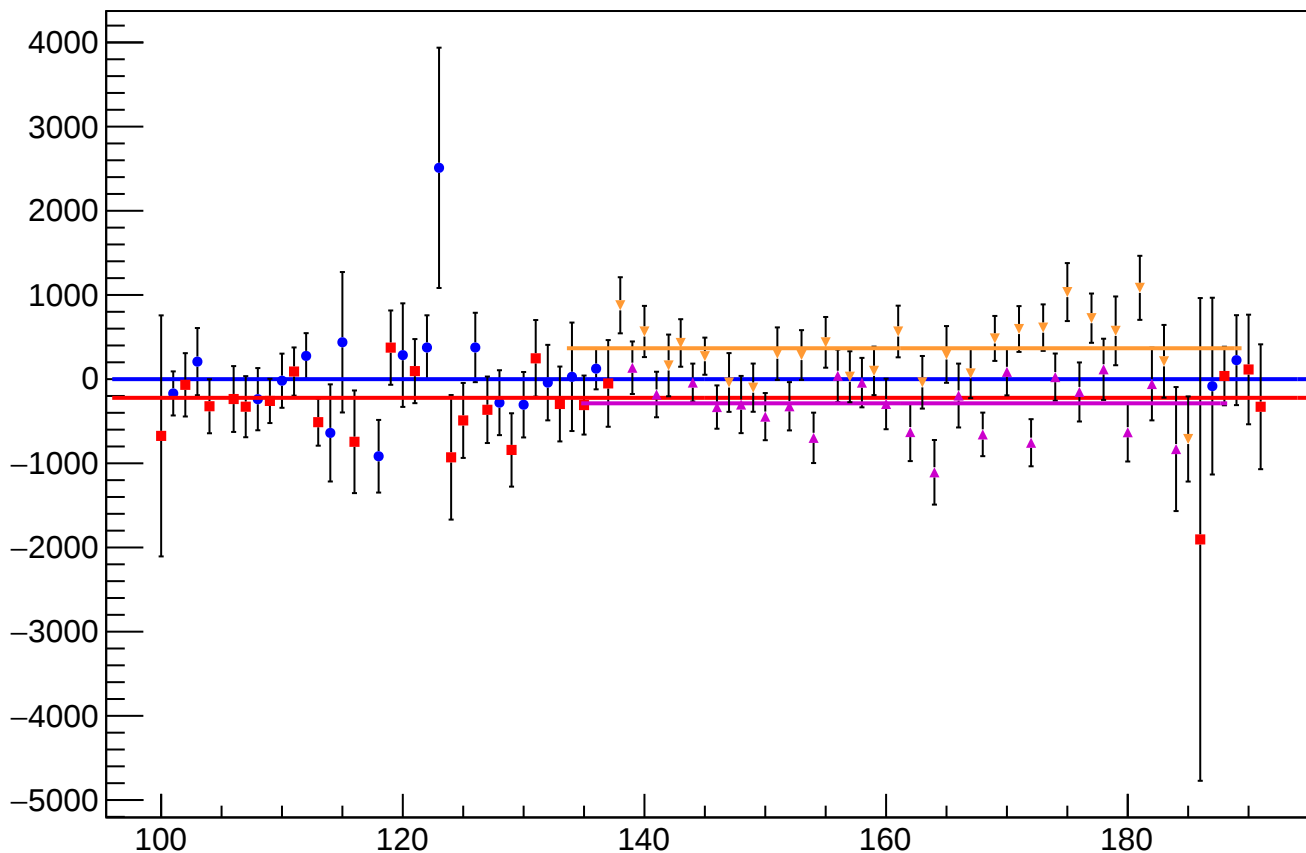
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 771.549+/-0.130 χ^2/NDF : 3056781.8/30

All: 771.288+/-0.092 χ^2/NDF : 7344962.4/60

- sign 771.022+/-0.131 χ^2/NDF : 4288172.5/29

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: -222.072 ± 84.970 χ^2/NDF : 11.9/22

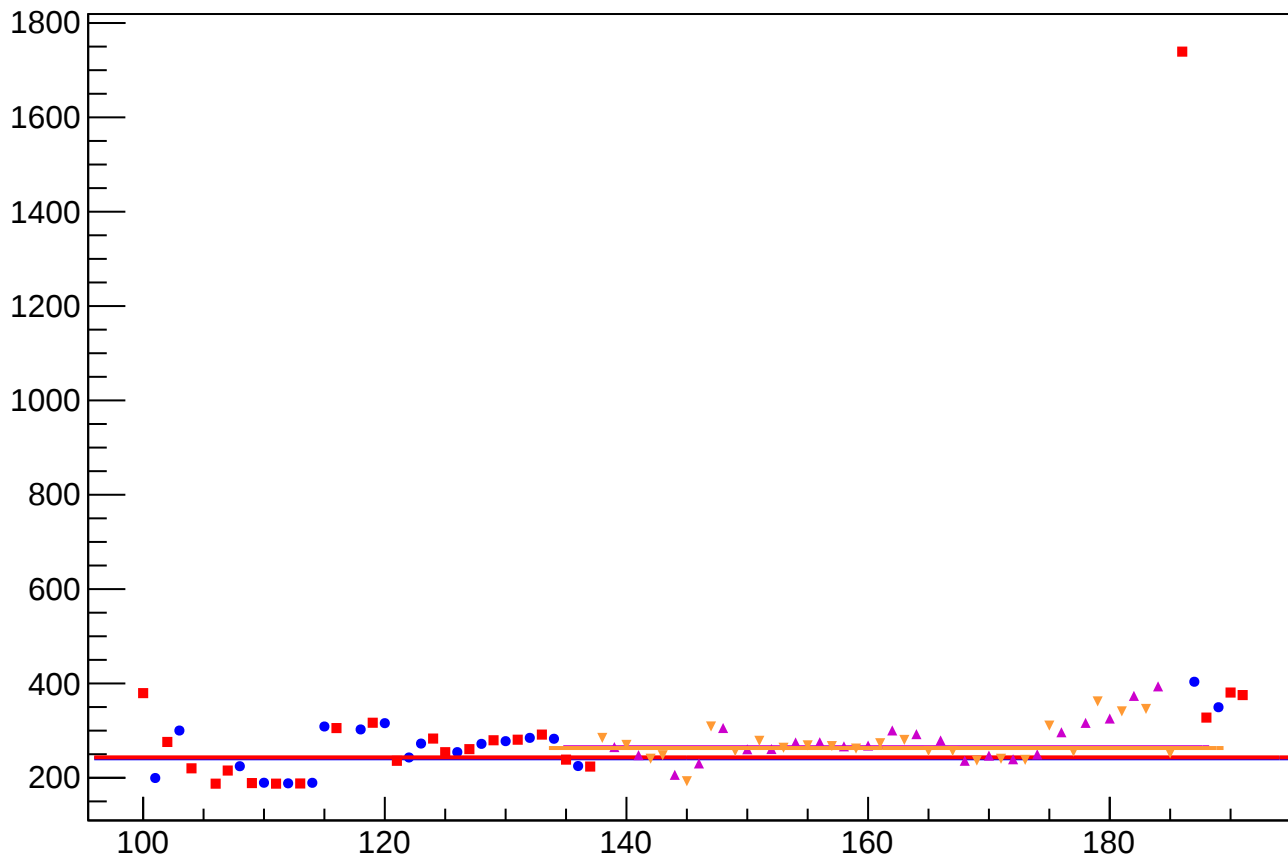
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 251.972 ± 51.332 χ^2/NDF : 54.1/43

All: -6.508 ± 36.248 χ^2/NDF : 140.8/89

- sign -263.589 ± 51.193 χ^2/NDF : 36.1/45

reg_asym_sam4_rms vs Slug



Right In: 241.348+/-0.065 χ^2/NDF : 524742.0/18

Left Out: 263.103+/-0.044 χ^2/NDF : 642226.0/24

Right Out: 243.313+/-0.060 χ^2/NDF : 1292617.9/22

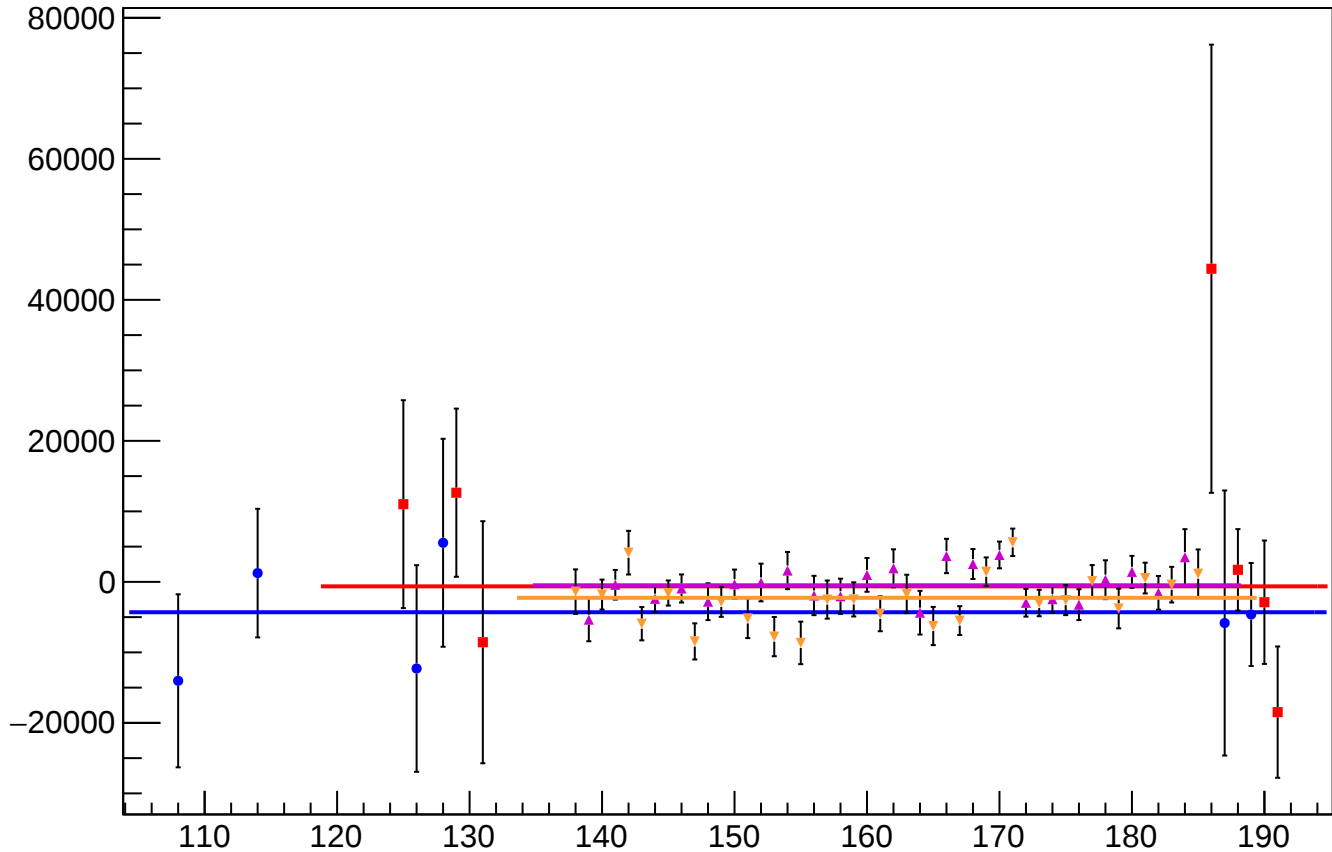
Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

+ sign 256.288+/-0.036 χ^2/NDF : 1244251.0/43

All: 256.684+/-0.026 χ^2/NDF : 3228538.2/89

- sign 257.079+/-0.036 χ^2/NDF : 1984048.9/45

asym_sam4_correction_mean vs Slug



Right In: -4305.651 ± 4494.661 χ^2/NDF : 1.7/5

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -634.807 ± 3763.167 χ^2/NDF : 8.0/6

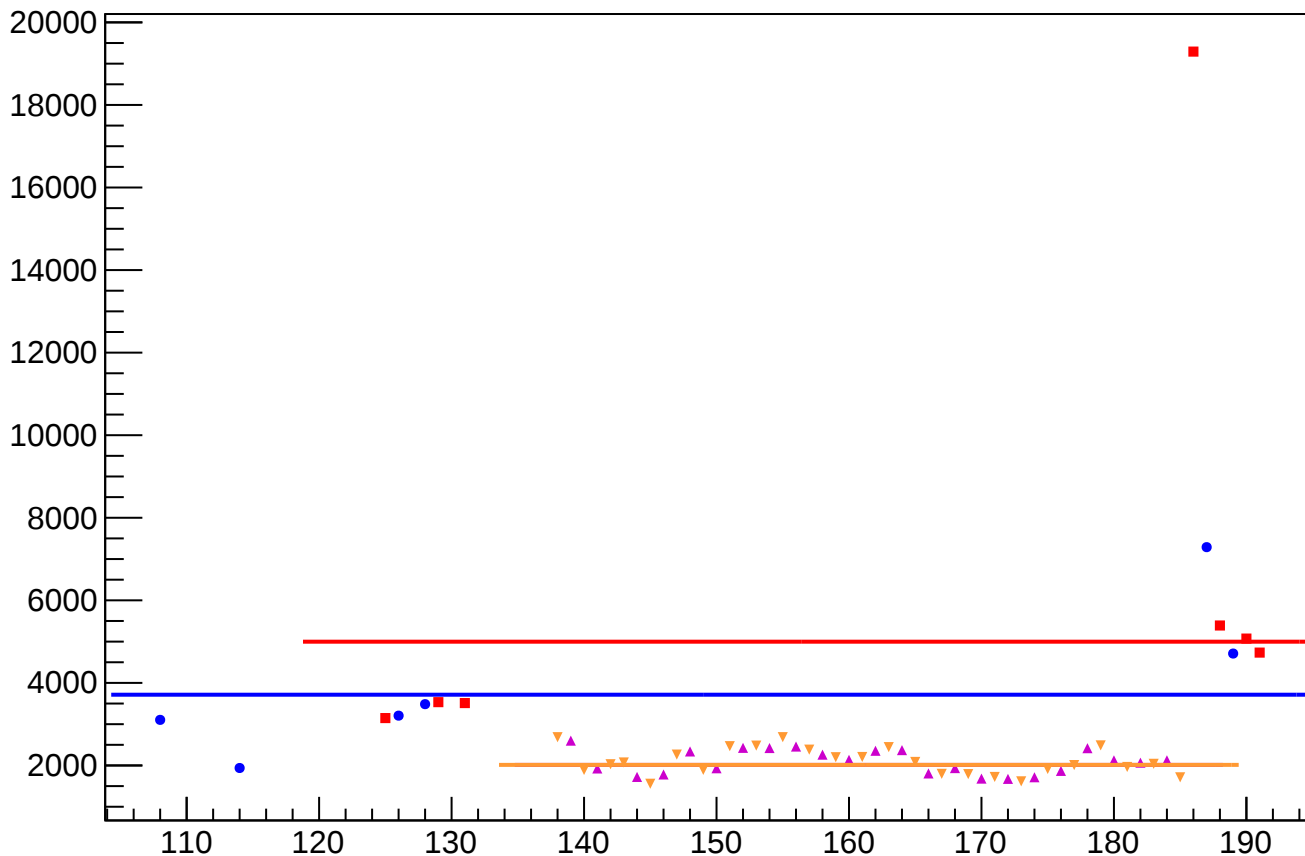
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2282.820 ± 472.700 χ^2/NDF : 54.3/30

All: -1405.569 ± 337.978 χ^2/NDF : 94.1/60

- sign -488.052 ± 483.426 χ^2/NDF : 32.7/29

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: 4998.286+/-2.661 χ^2/NDF : 492167.4/6

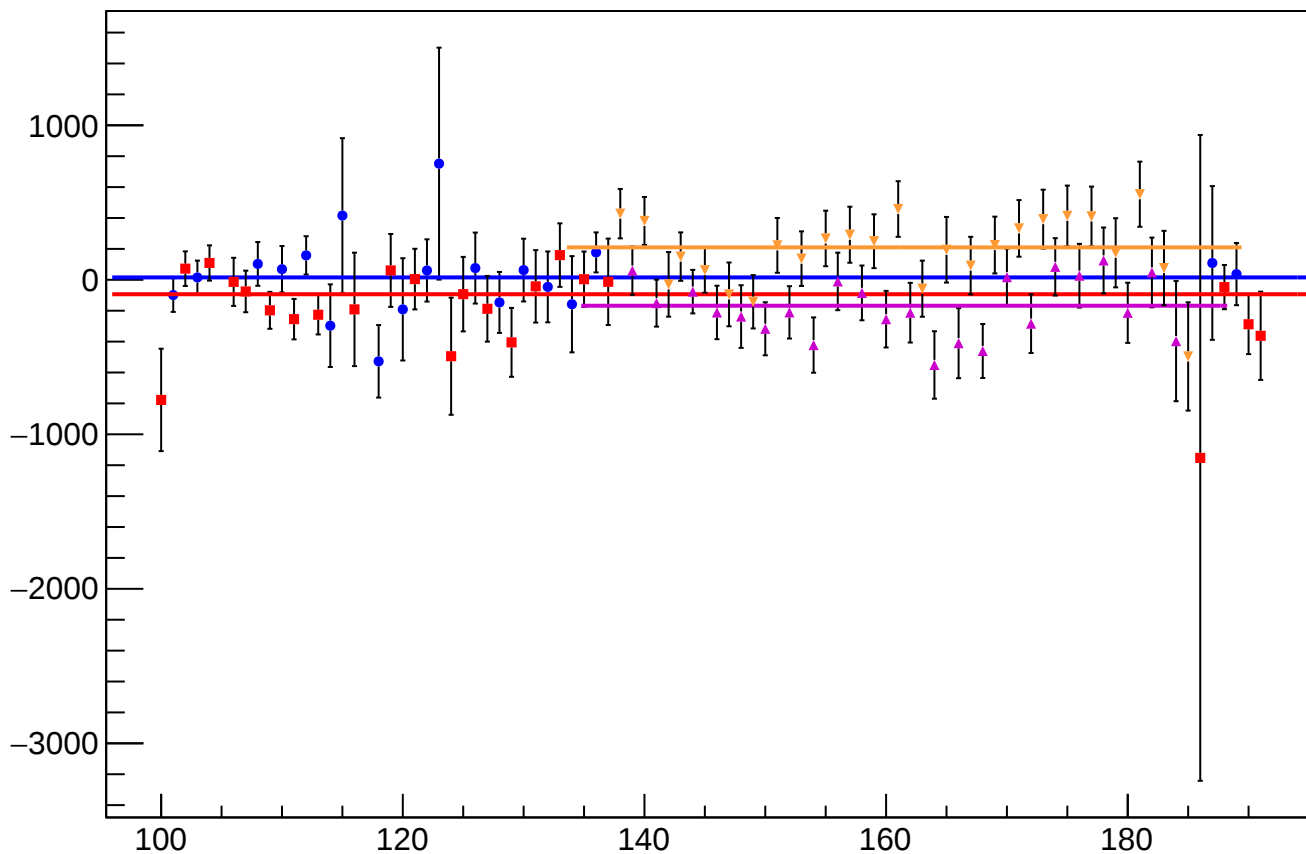
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2032.906+/-0.334 χ^2/NDF : 1311723.0/30

All: 2047.374+/-0.239 χ^2/NDF : 3707448.4/60

- sign 2062.506+/-0.342 χ^2/NDF : 2391892.1/29

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: -93.504+/-36.653 χ^2/NDF : 21.5/22

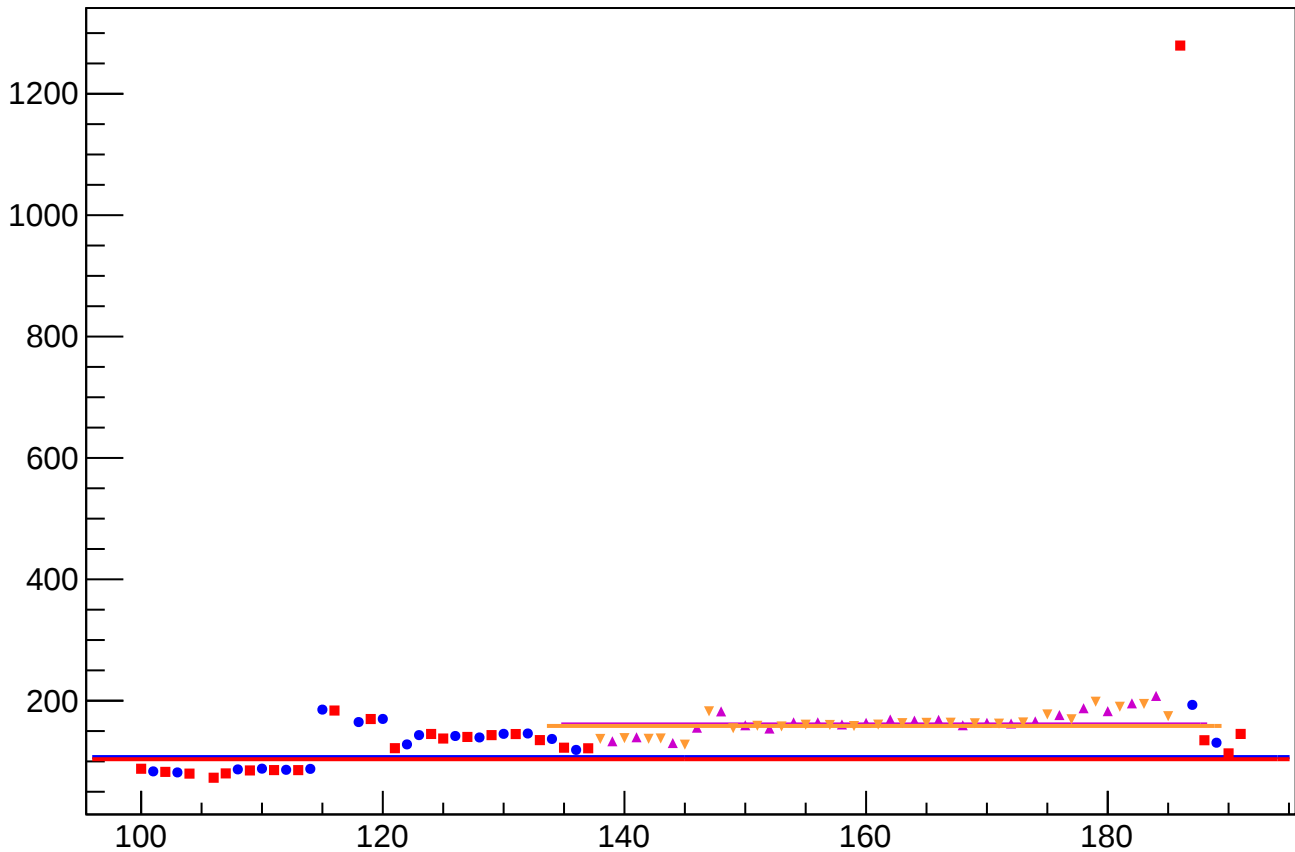
Left In: -167.822+/-38.718 χ^2/NDF : 21.1/22

+ sign 123.224+/-27.601 χ^2/NDF : 54.3/43

All: -7.267+/-19.159 χ^2/NDF : 142.0/89

- sign -128.628+/-26.617 χ^2/NDF : 44.5/45

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: 103.606 $\pm$ 0.026 χ^2 /NDF: 1797137.7/22

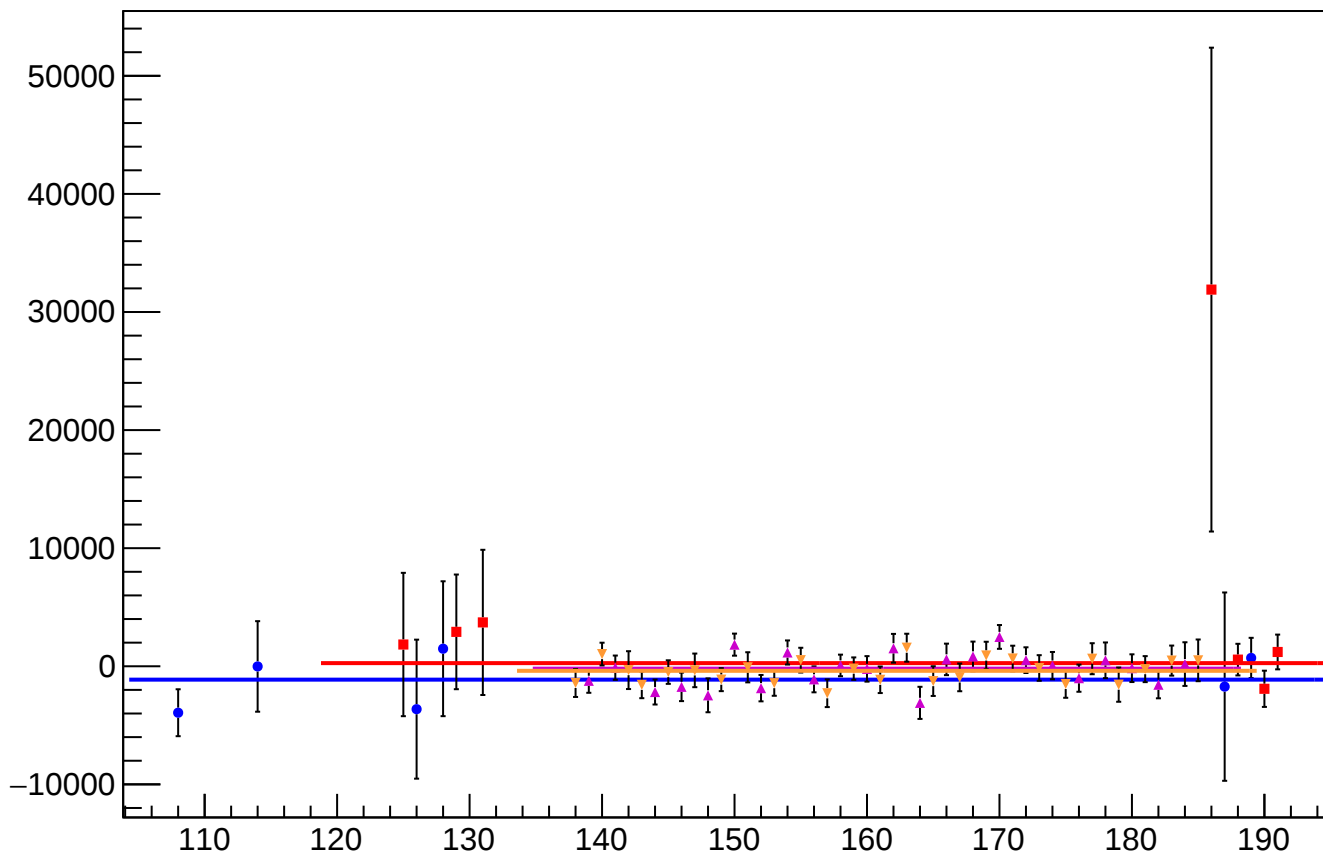
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.544 $\pm$ 0.020 χ^2 /NDF: 3102398.9/43

All: 133.037 $\pm$ 0.014 χ^2 /NDF: 7624594.3/89

- sign 130.706 $\pm$ 0.019 χ^2 /NDF: 4490365.9/45

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: 266.820 ± 804.969 χ^2/NDF : 5.5/6

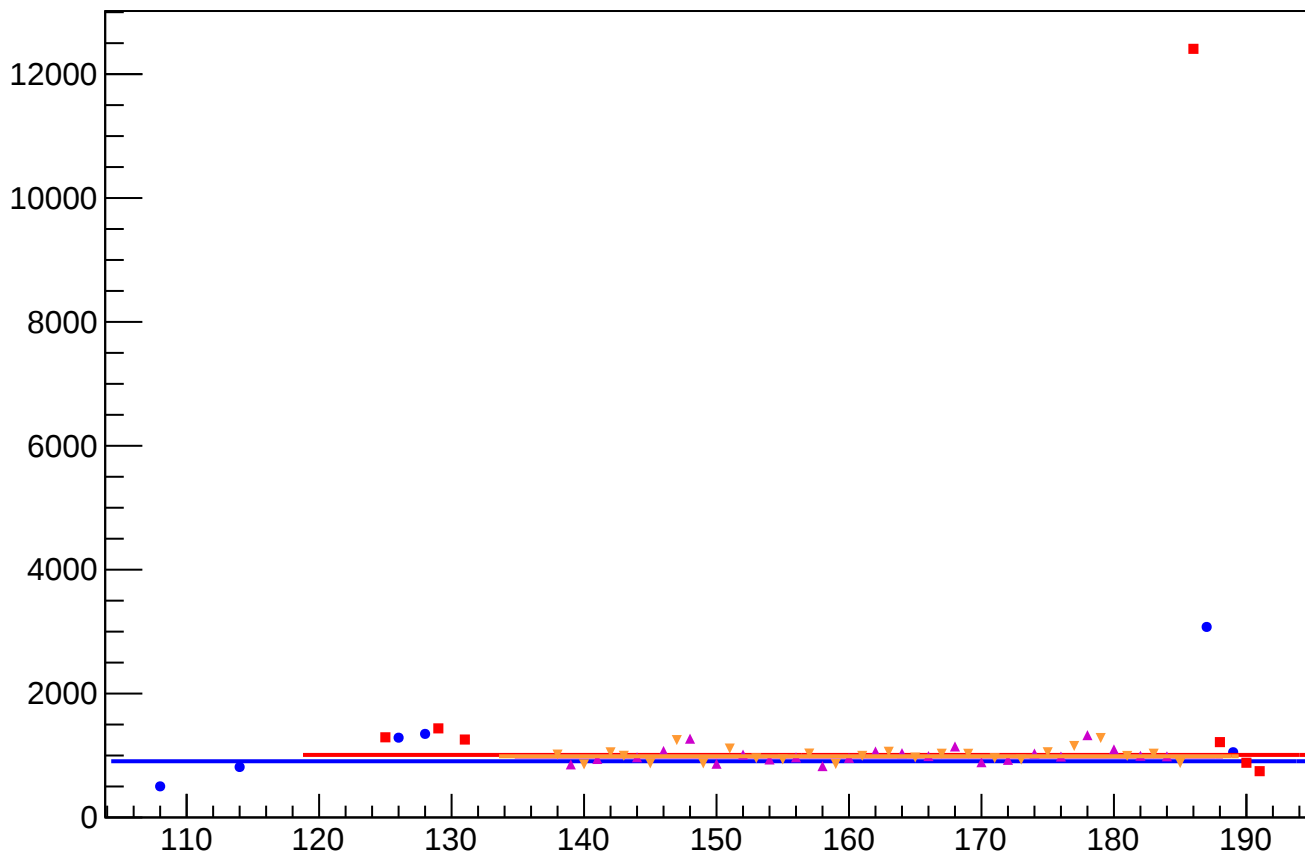
Left In: -202.234 ± 237.460 χ^2/NDF : 35.5/22

+ sign -413.663 ± 227.346 χ^2/NDF : 22.1/30

All: -289.398 ± 160.903 χ^2/NDF : 64.0/60

- sign -164.684 ± 227.756 χ^2/NDF : 41.3/29

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: 1009.637+/-0.569 χ^2/NDF : 767226.6/6

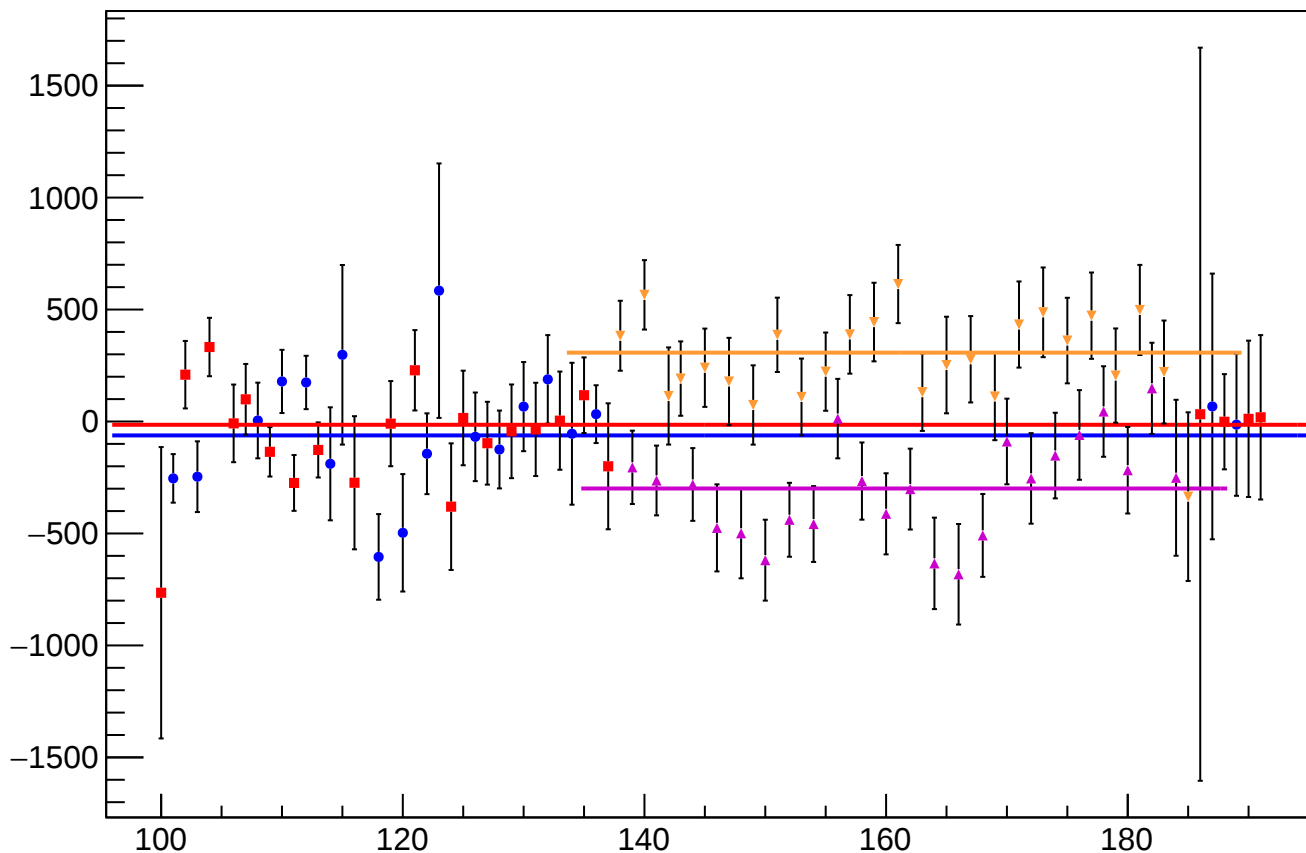
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 984.780+/-0.161 χ^2/NDF : 653456.4/30

All: 985.366+/-0.114 χ^2/NDF : 1838857.2/60

- sign 985.954+/-0.161 χ^2/NDF : 1185374.1/29

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: -14.633+/-38.405 χ^2/NDF : 23.1/22

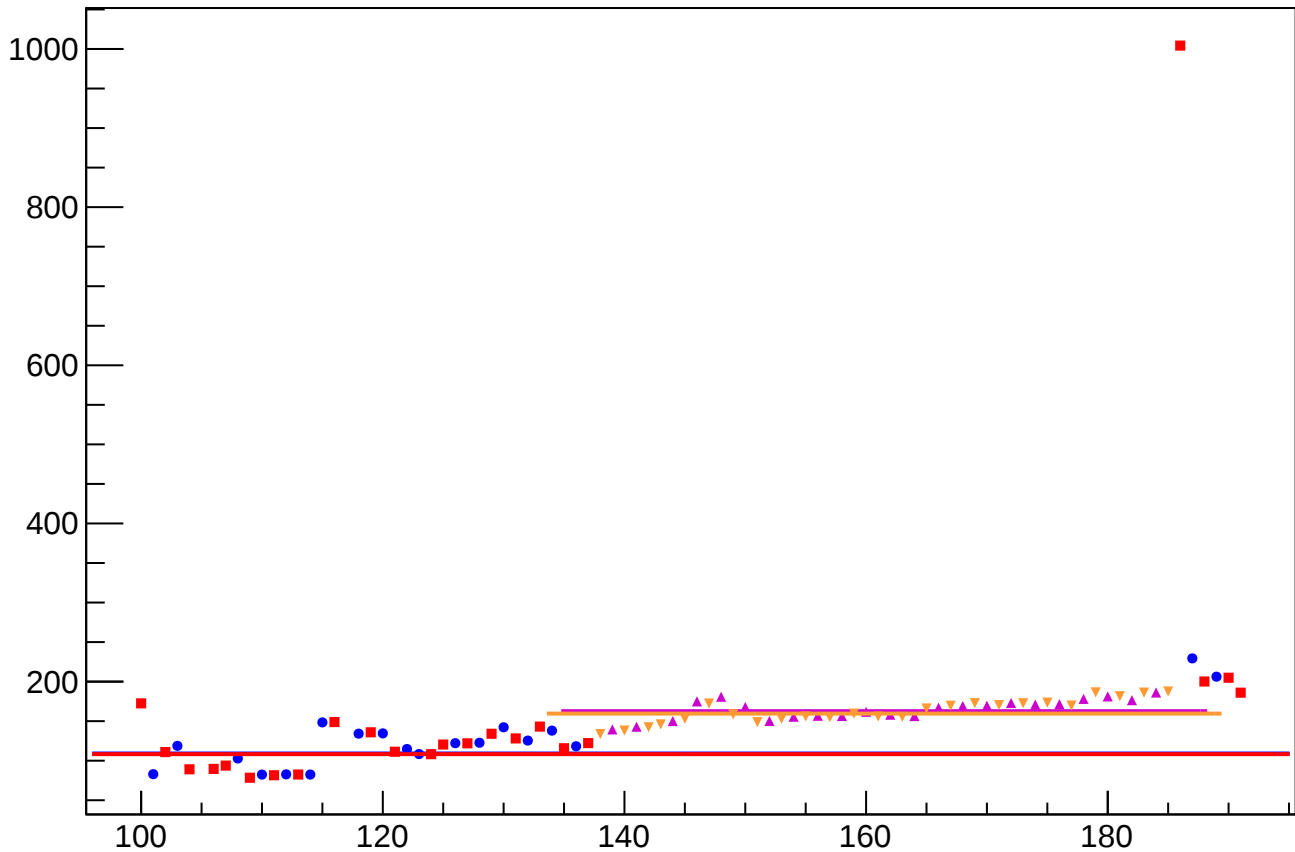
Left In: -299.192+/-39.009 χ^2/NDF :28.5/22

+ sign 144.019+/-27.839 χ^2/NDF : 91.8/43

All: -7.889+/-19.516 χ^2/NDF : 229.0/89

- sign -154.691+/-27.367 χ^2/NDF : 78.7/45

reg_asym_sam6_rms vs Slug



Right In: 109.071+/-0.030 χ^2/NDF : 778566.0/18

Left Out: 159.568+/-0.026 χ^2/NDF : 287744.2/24

Right Out: 108.290+/-0.027 χ^2/NDF : 1850020.9/22

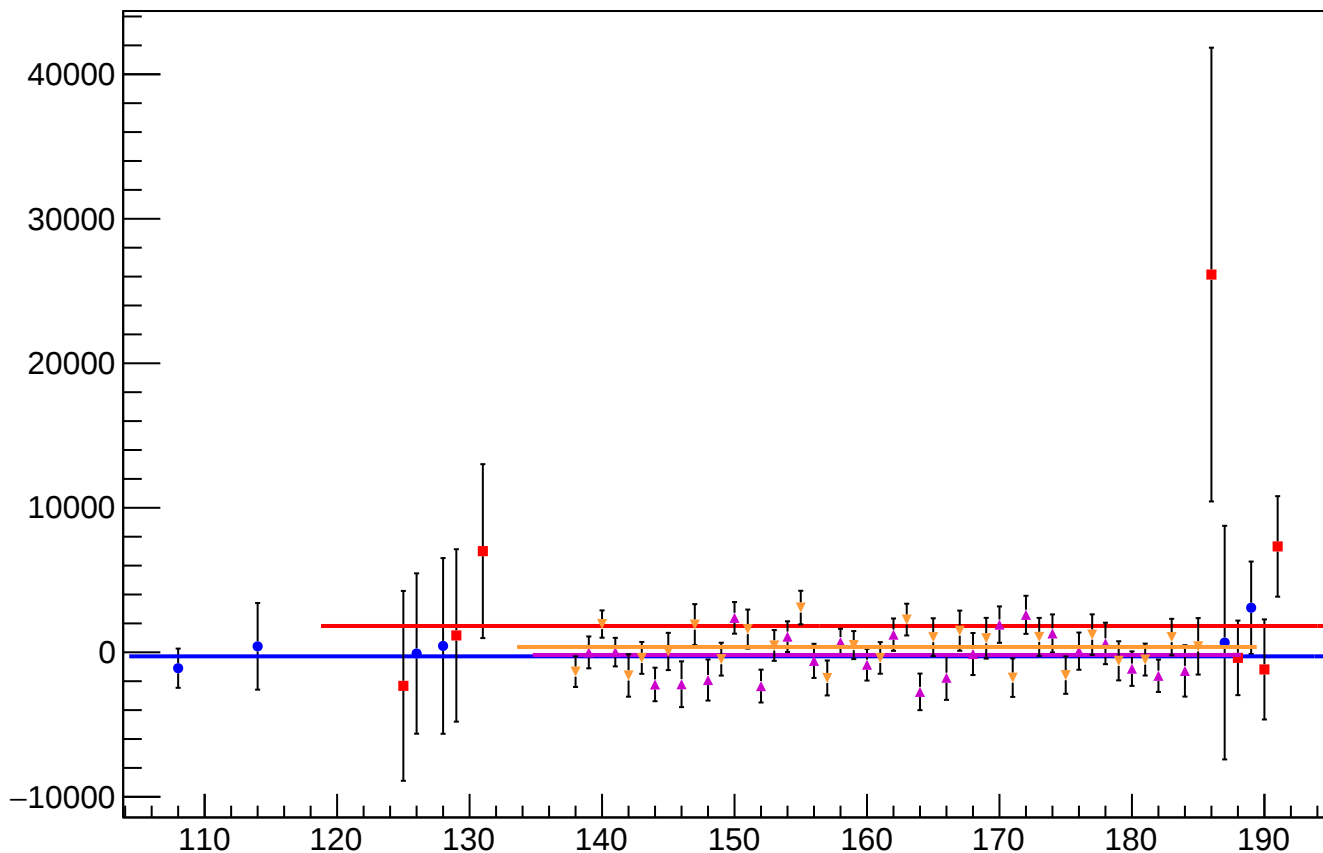
Left In: 162.606+/-0.028 χ^2/NDF : 199542.3/22

+ sign 137.234+/-0.020 χ^2/NDF : 2689484.6/43

All: 136.110+/-0.014 χ^2/NDF : 6714540.6/89

- sign 135.024+/-0.019 χ^2/NDF : 4018644.0/45

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: 1821.598 ± 1582.753 χ^2/NDF : 7.5/6

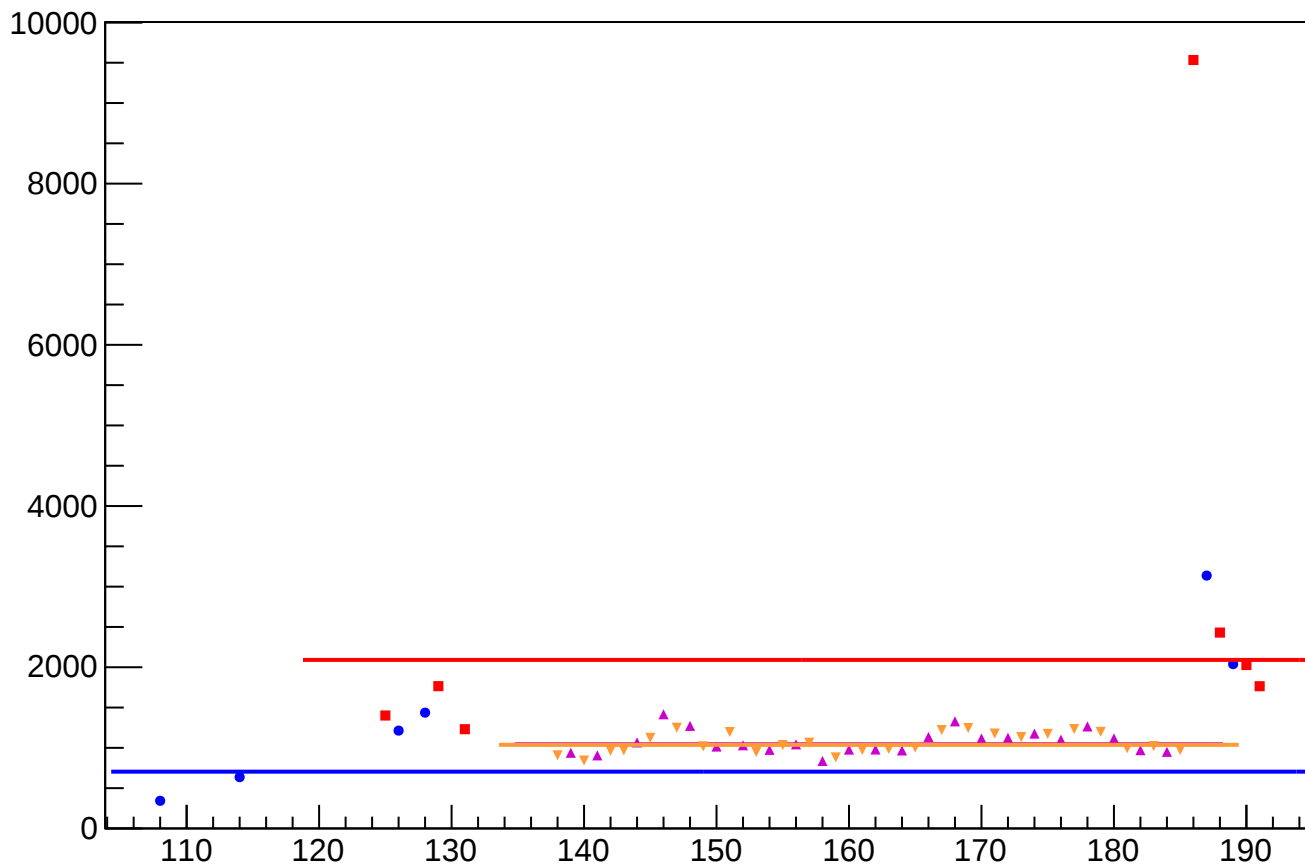
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 339.654 ± 237.758 χ^2/NDF : 32.4/30

All: 114.133 ± 171.995 χ^2/NDF : 79.8/60

- sign -133.445 ± 249.114 χ^2/NDF : 45.6/29

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: 2091.010+/-1.119 χ^2/NDF : 571078.9/6

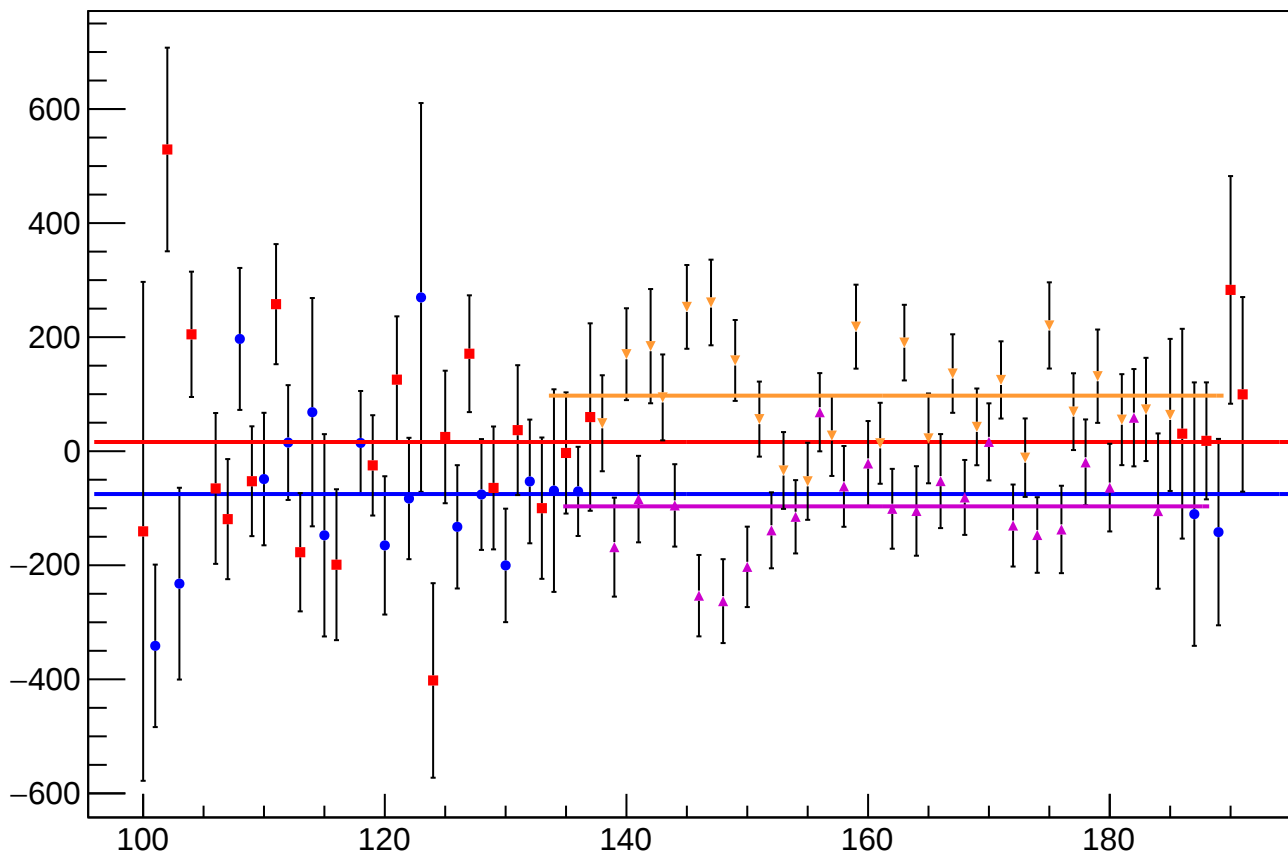
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1022.115+/-0.168 χ^2/NDF : 1388167.2/30

All: 1045.258+/-0.122 χ^2/NDF : 3394614.4/60

- sign 1070.664+/-0.176 χ^2/NDF : 1966694.5/29

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: 16.153 ± 25.261 χ^2/NDF : 38.4/22

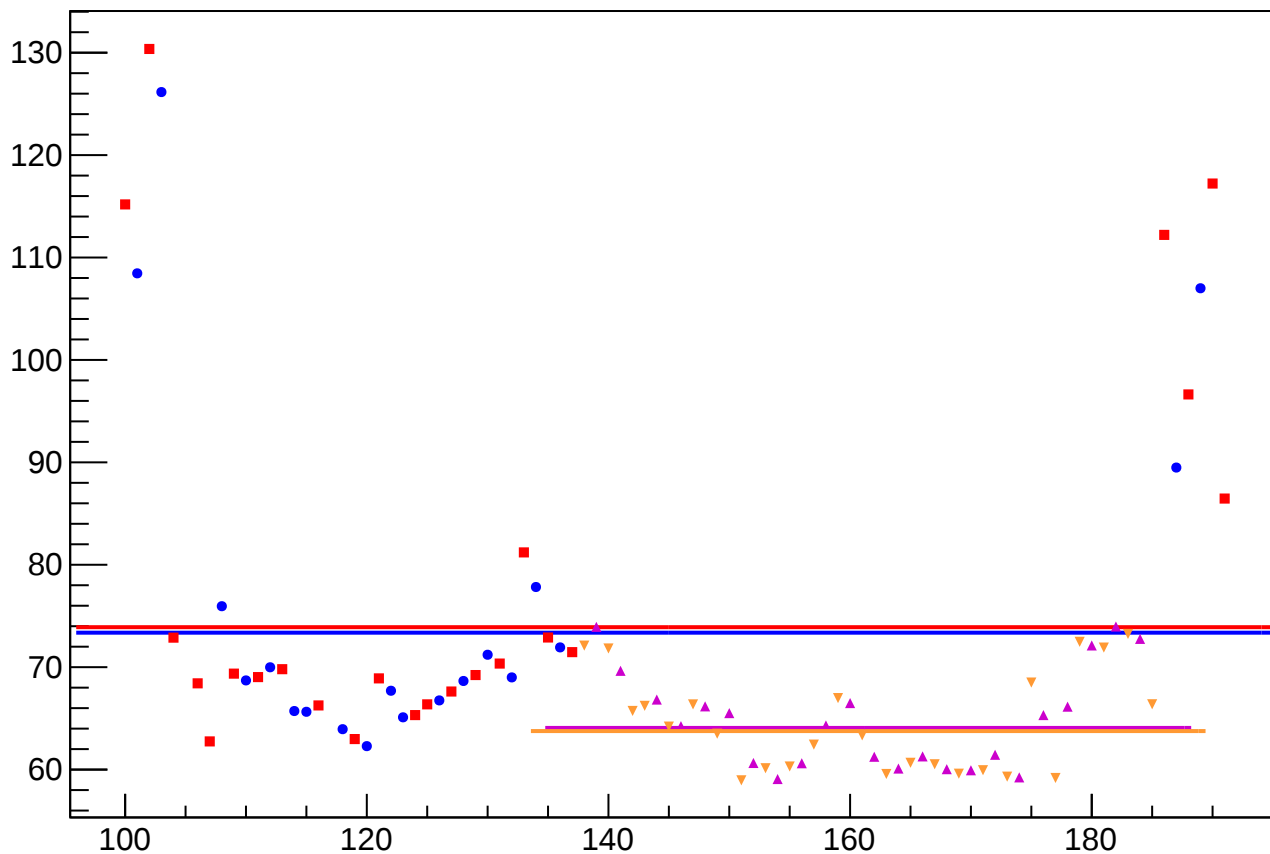
Left In: -96.704 ± 15.369 χ^2/NDF : 29.2/22

+ sign 59.042 ± 13.120 χ^2/NDF : 81.3/43

All: -3.537 ± 9.281 χ^2/NDF : 208.9/89

- sign -66.214 ± 13.130 χ^2/NDF : 82.1/45

reg_asym_sam7_rms vs Slug



Right In: 73.369 $\pm$ 0.020 χ^2 /NDF: 489168.8/18

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF: 192803.8/24

Right Out: 73.904 $\pm$ 0.018 χ^2 /NDF: 621559.1/22

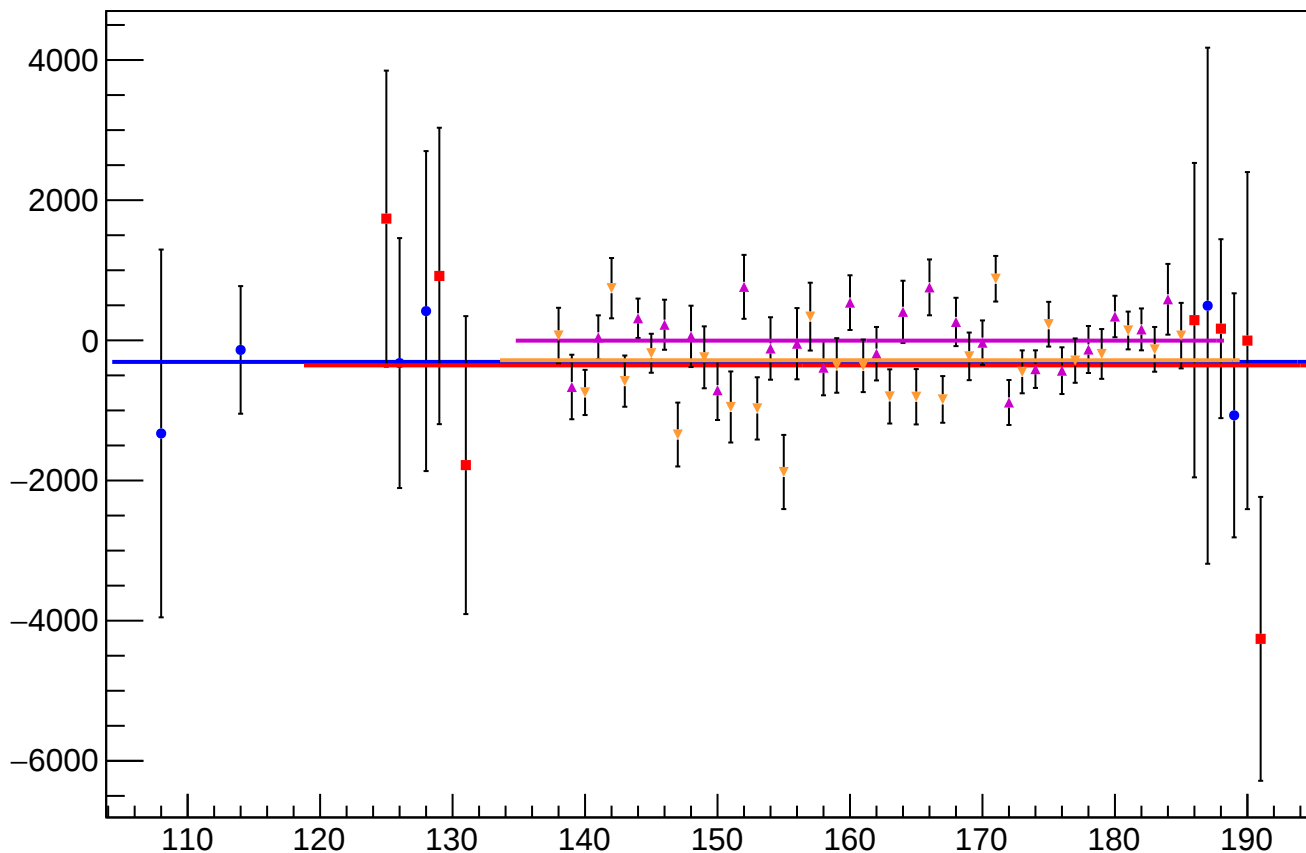
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 65.899 $\pm$ 0.009 χ^2 /NDF: 867547.4/43

All: 66.312 $\pm$ 0.007 χ^2 /NDF: 1879009.1/89

- sign 66.726 $\pm$ 0.009 χ^2 /NDF: 1007497.8/45

asym_sam7_correction_mean vs Slug



Right In: -307.726 ± 664.985 $\chi^2/\text{NDF}: 0.5/5$

Left Out: -284.304 ± 72.732 $\chi^2/\text{NDF}: 55.1/24$

Right Out: -357.319 ± 725.808 $\chi^2/\text{NDF}: 5.8/6$

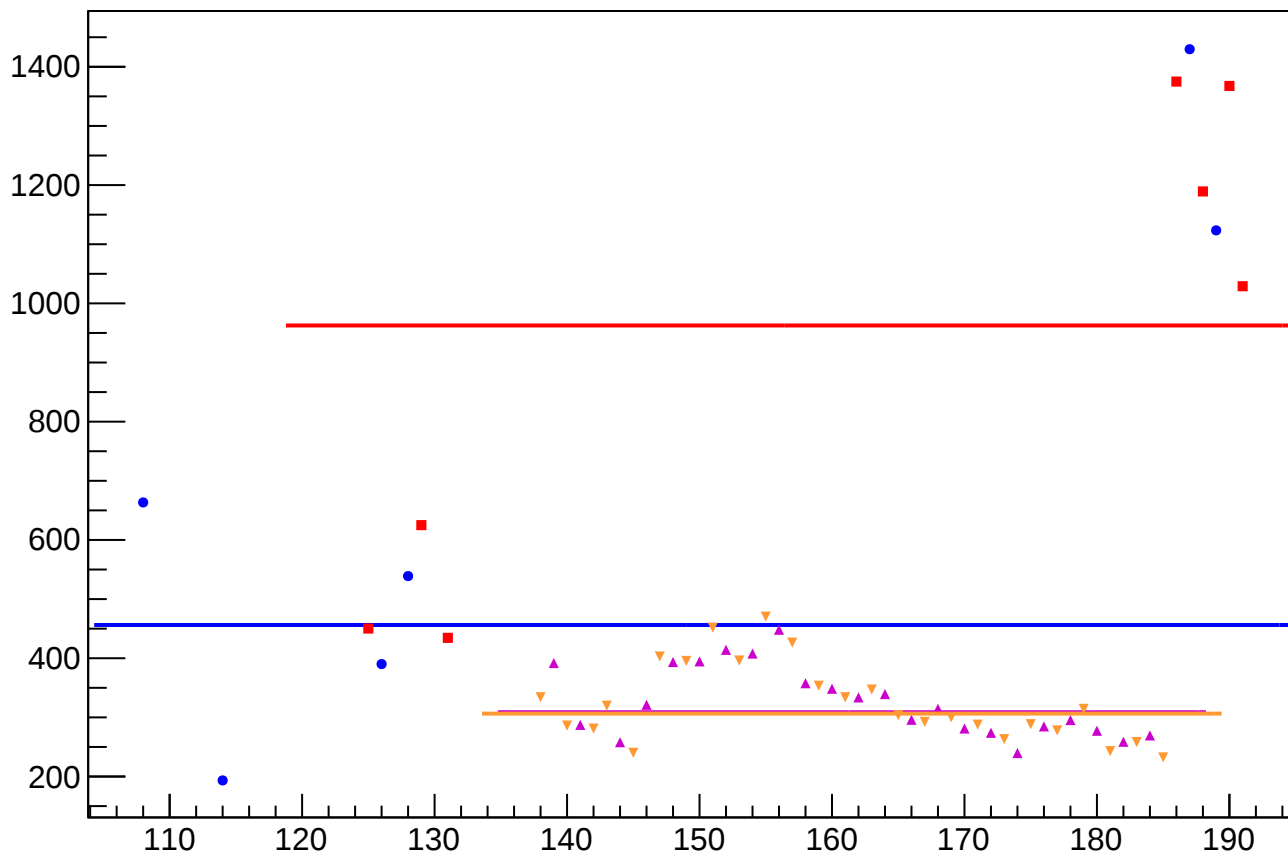
Left In: -4.037 ± 75.084 $\chi^2/\text{NDF}: 32.4/22$

+ sign -284.580 ± 72.301 $\chi^2/\text{NDF}: 55.6/30$

All: -150.668 ± 51.947 $\chi^2/\text{NDF}: 101.0/60$

- sign -7.777 ± 74.686 $\chi^2/\text{NDF}: 38.4/29$

asym_sam7_correction_rms vs Slug



Right In: 456.242 ± 0.470 $\chi^2/\text{NDF}: 617928.7/5$

Left Out: 306.363 ± 0.051 $\chi^2/\text{NDF}: 1215669.9/24$

Right Out: 962.626 ± 0.513 $\chi^2/\text{NDF}: 481673.8/6$

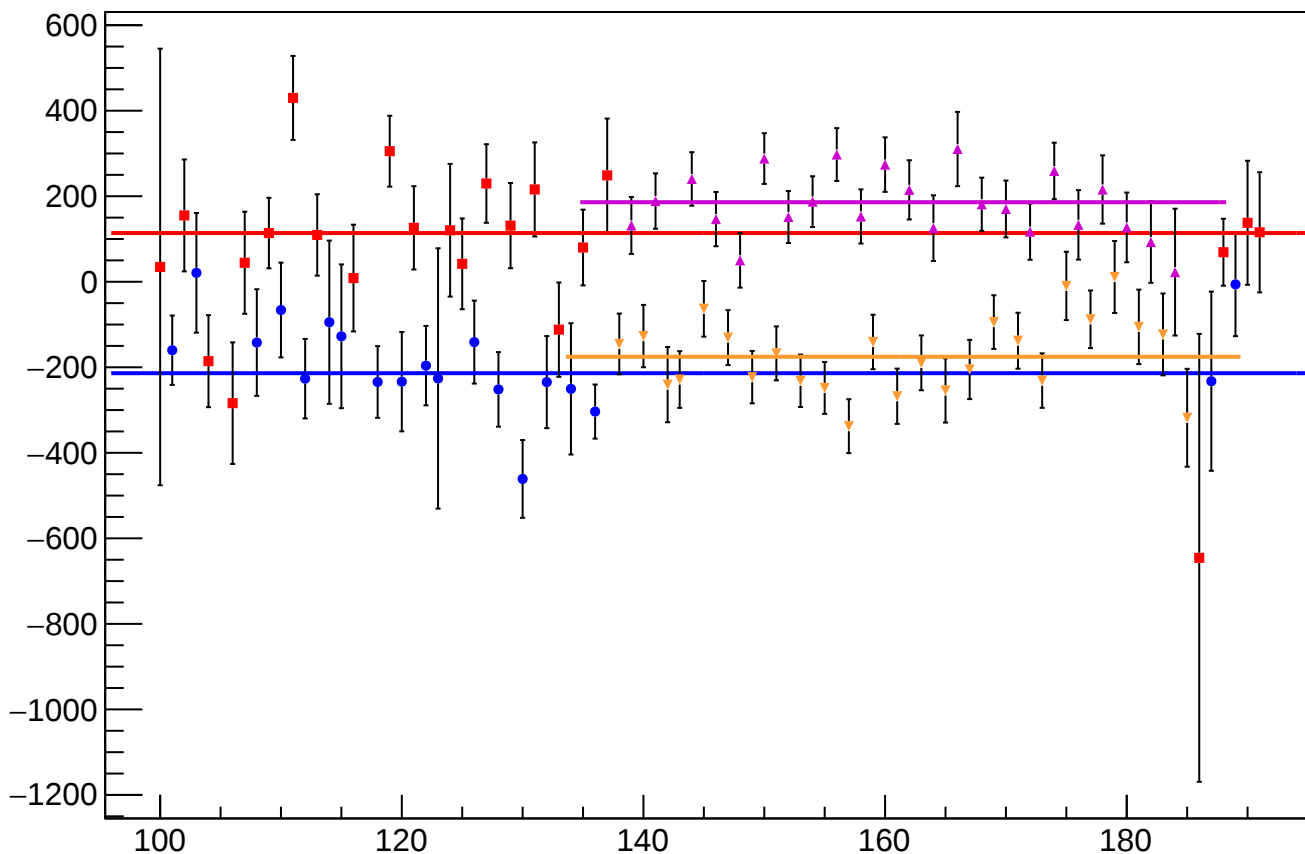
Left In: 308.727 ± 0.053 $\chi^2/\text{NDF}: 1002947.4/22$

+ sign 308.135 ± 0.051 $\chi^2/\text{NDF}: 1933996.6/30$

All: 311.771 ± 0.037 $\chi^2/\text{NDF}: 5035223.2/60$

- sign 315.650 ± 0.053 $\chi^2/\text{NDF}: 3090771.4/29$

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: 113.925 ± 22.889 χ^2/NDF : 43.2/22

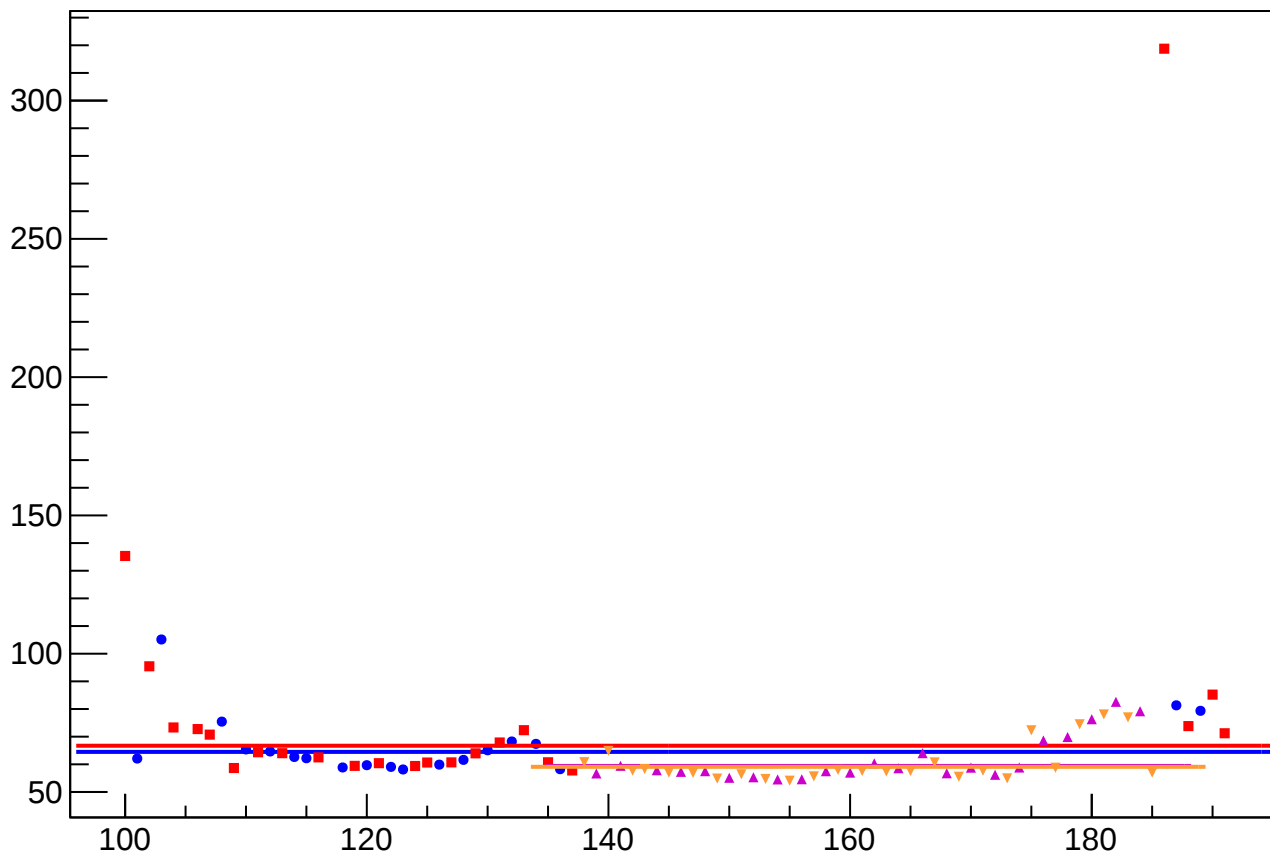
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -184.887 ± 12.026 χ^2/NDF : 55.9/43

All: -11.178 ± 8.543 χ^2/NDF : 551.0/89

- sign 165.769 ± 12.137 χ^2/NDF : 73.9/45

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: 66.725 $\pm$ 0.016 χ^2 /NDF: 752896.3/22

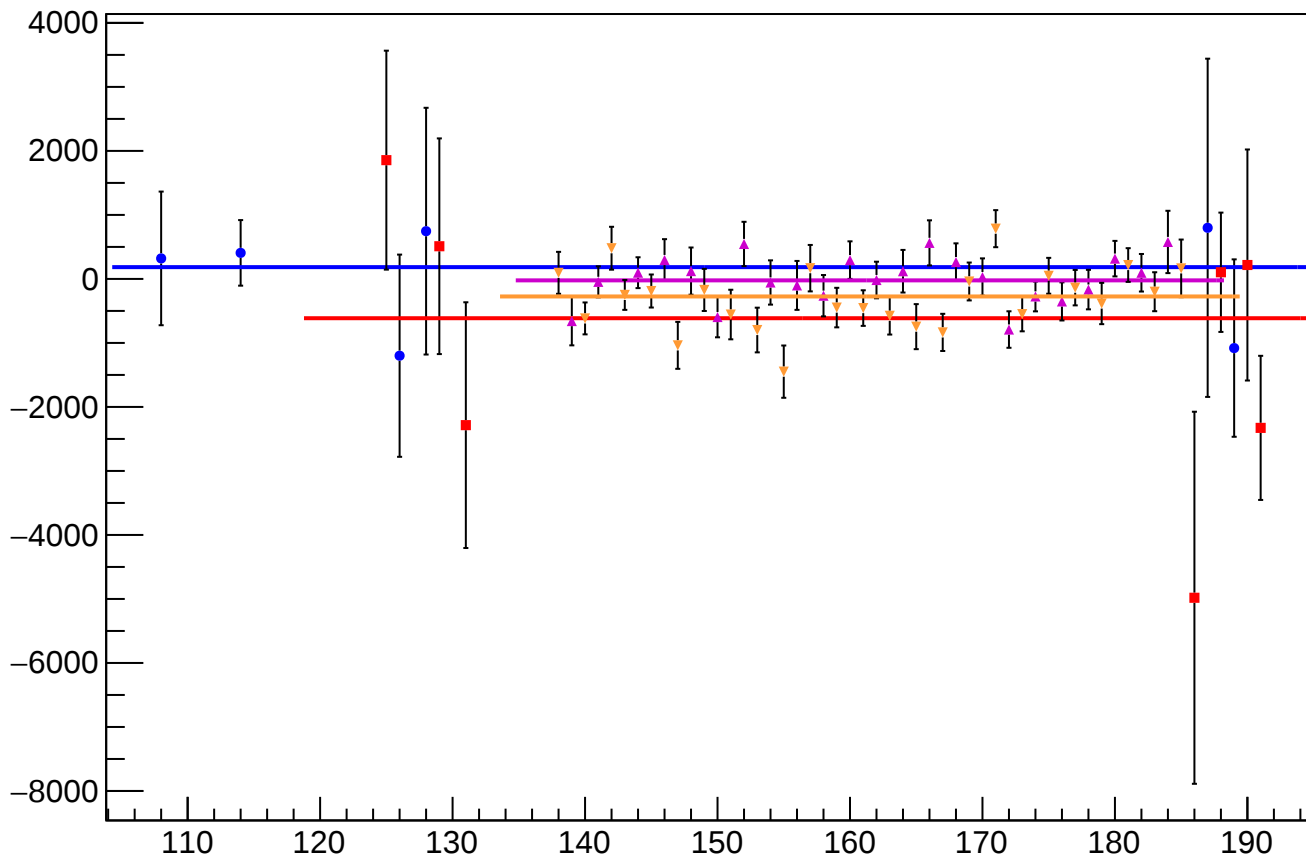
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 60.425 $\pm$ 0.009 χ^2 /NDF: 723729.4/43

All: 60.941 $\pm$ 0.006 χ^2 /NDF: 2003925.2/89

- sign 61.467 $\pm$ 0.009 χ^2 /NDF: 1272759.5/45

asym_sam8_correction_mean vs Slug



Right In: 184.150 ± 406.180 $\chi^2/\text{NDF}: 1.9/5$

Left Out: -274.091 ± 60.799 $\chi^2/\text{NDF}: 53.9/24$

Right Out: -613.994 ± 547.914 $\chi^2/\text{NDF}: 8.7/6$

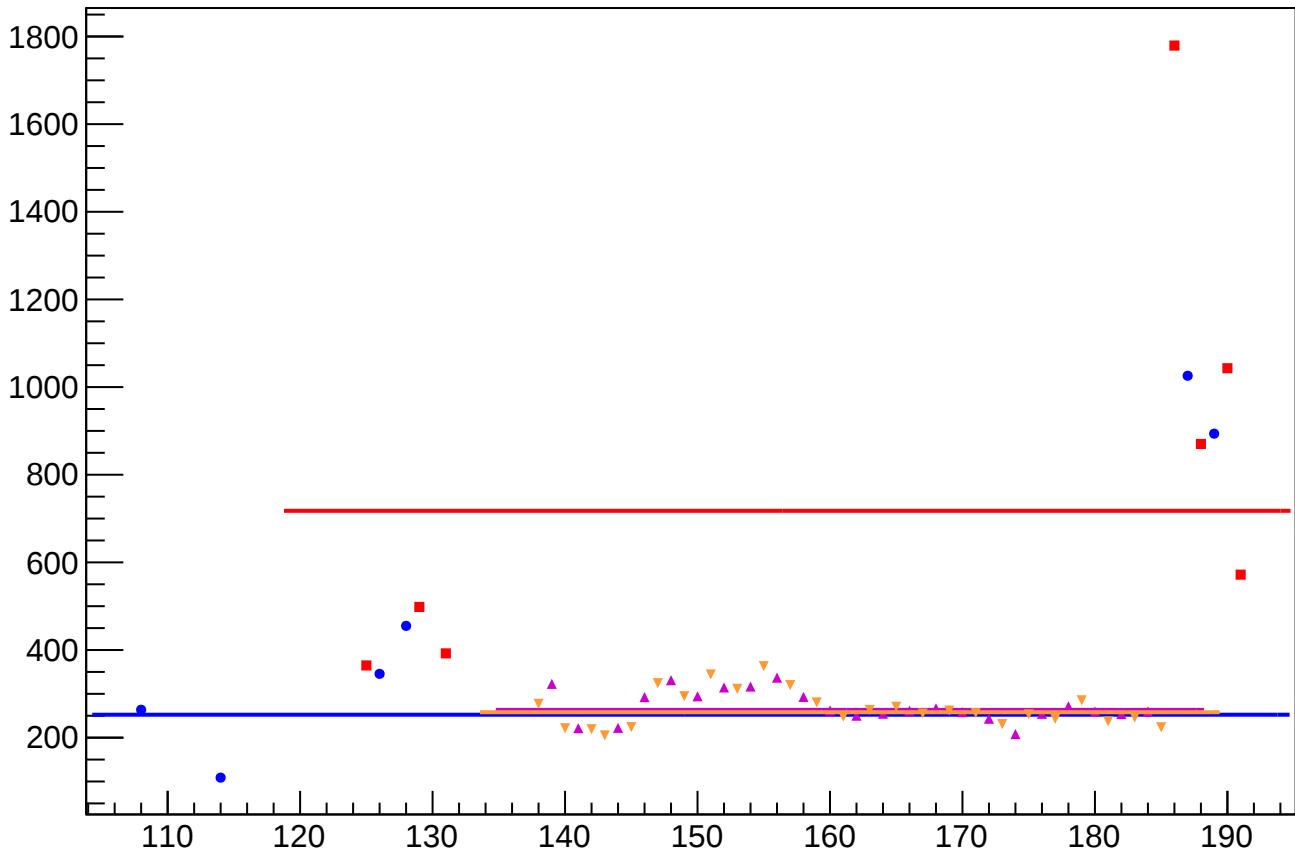
Left In: -22.631 ± 63.643 $\chi^2/\text{NDF}: 28.9/22$

+ sign -264.049 ± 60.129 $\chi^2/\text{NDF}: 57.1/30$

All: -153.120 ± 43.569 $\chi^2/\text{NDF}: 103.0/60$

- sign -30.503 ± 63.218 $\chi^2/\text{NDF}: 38.7/29$

asym_sam8_correction_rms vs Slug



Right In: 252.370 $\pm$ 0.287 χ^2 /NDF: 786101.7/5

Left Out: 258.040 $\pm$ 0.043 χ^2 /NDF: 724823.3/24

Right Out: 717.657 $\pm$ 0.387 χ^2 /NDF: 595332.8/6

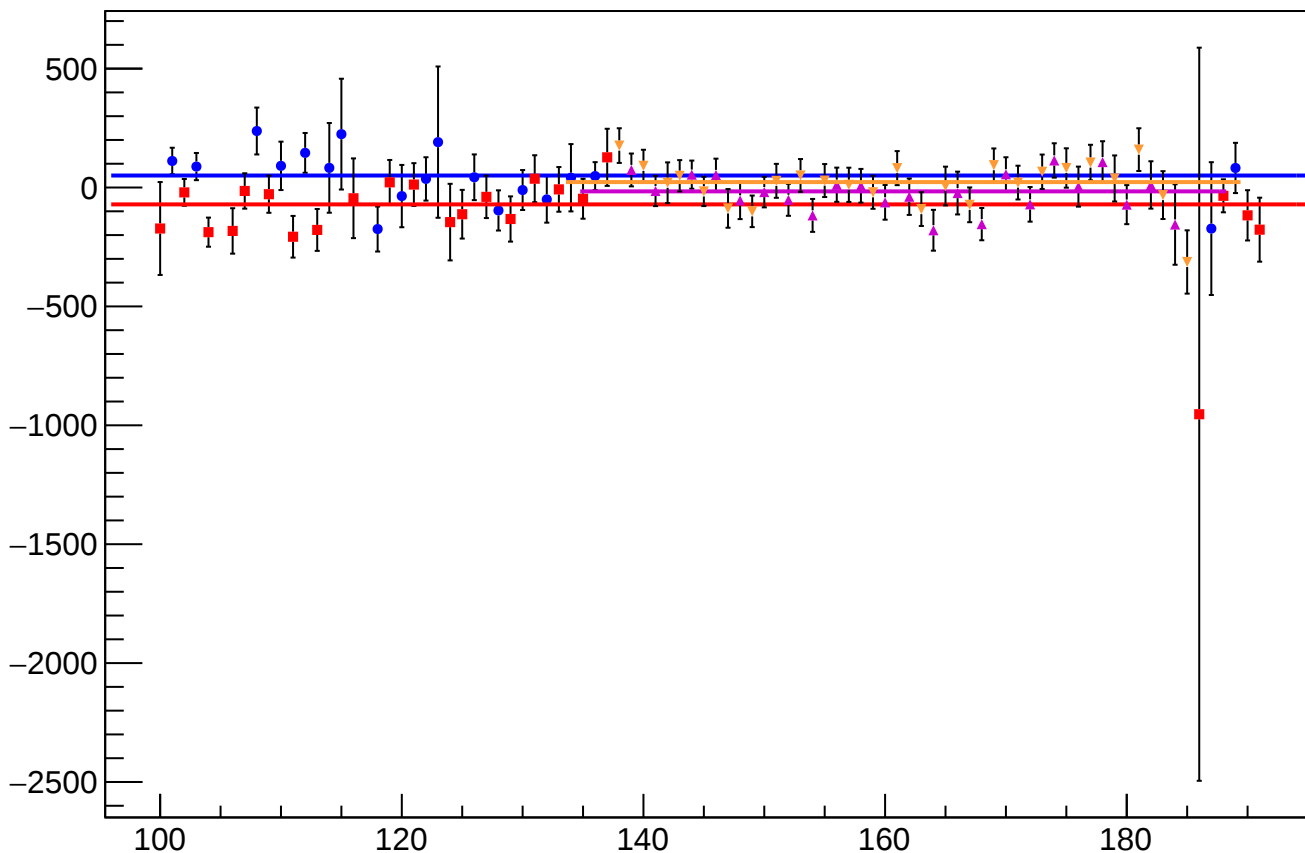
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 257.916 $\pm$ 0.043 χ^2 /NDF: 1511306.2/30

All: 263.391 $\pm$ 0.031 χ^2 /NDF: 4083573.9/60

- sign 269.444 $\pm$ 0.045 χ^2 /NDF: 2537350.4/29

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: -70.942 ± 19.087 χ^2/NDF : 19.5/22

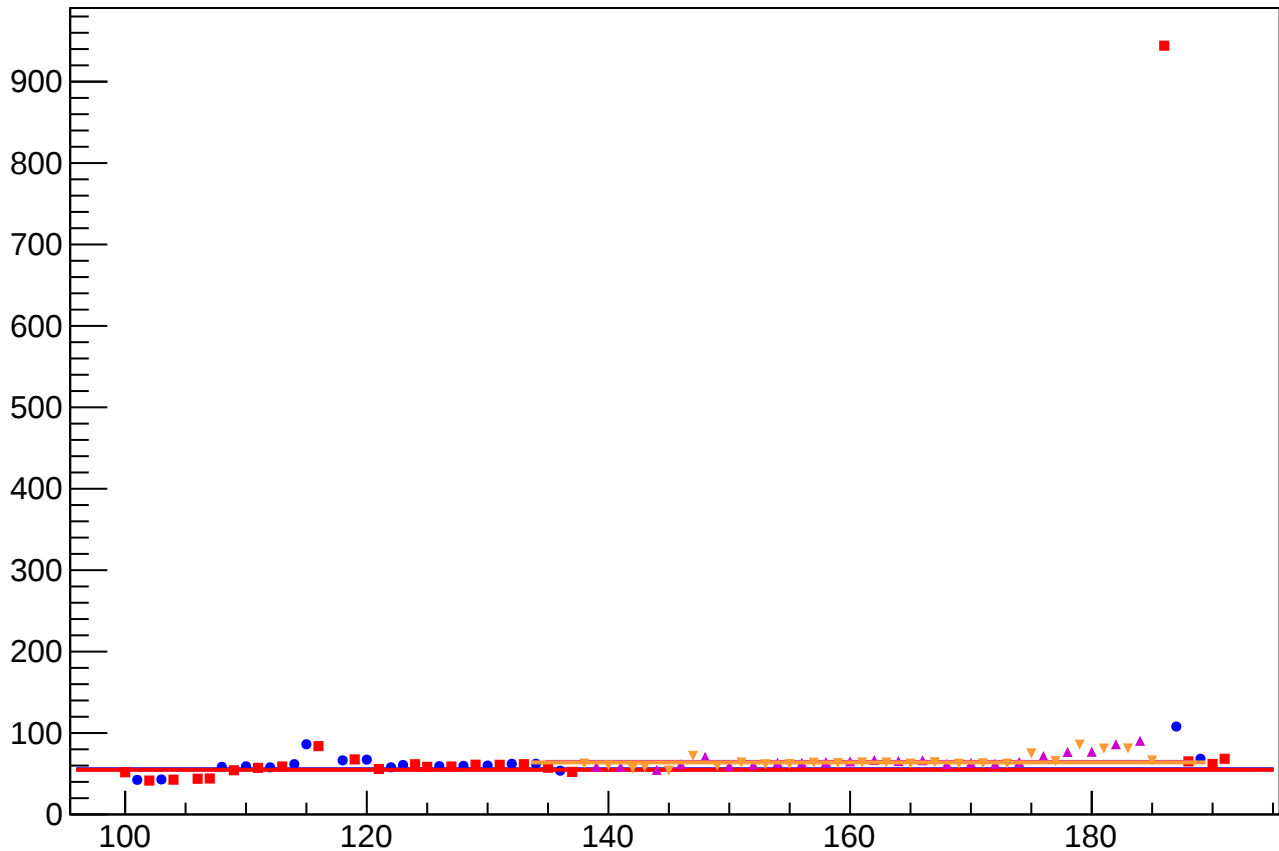
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 32.134 ± 12.199 χ^2/NDF : 49.1/43

All: -3.375 ± 8.572 χ^2/NDF : 113.6/89

- sign -38.004 ± 12.047 χ^2/NDF : 47.8/45

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: 54.852 $\pm$ 0.013 χ^2 /NDF: 1139910.6/22

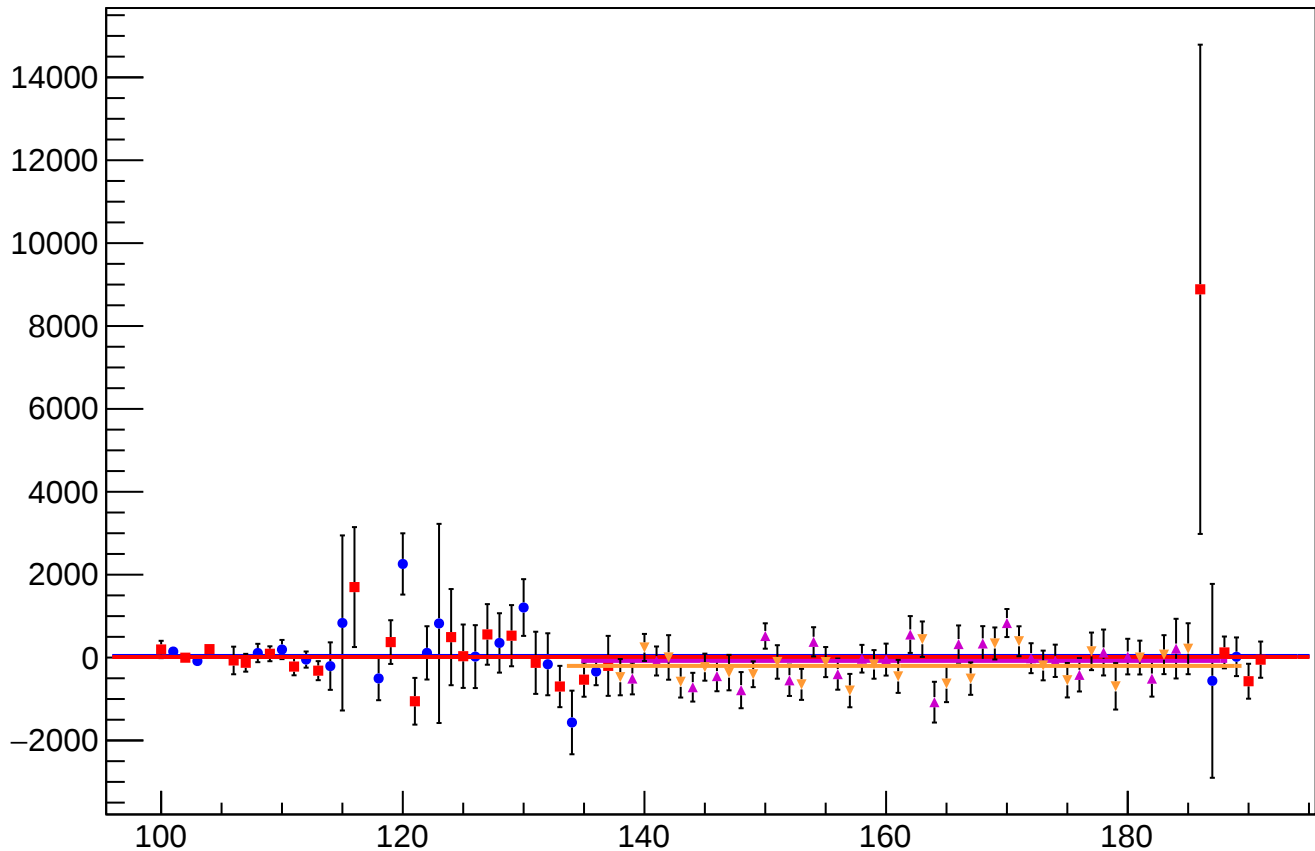
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.089 $\pm$ 0.009 χ^2 /NDF: 1030958.4/43

All: 60.873 $\pm$ 0.006 χ^2 /NDF: 2850745.5/89

- sign 60.663 $\pm$ 0.009 χ^2 /NDF: 1818555.5/45

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: 13.946 ± 51.998 χ^2/NDF : 23.1/22

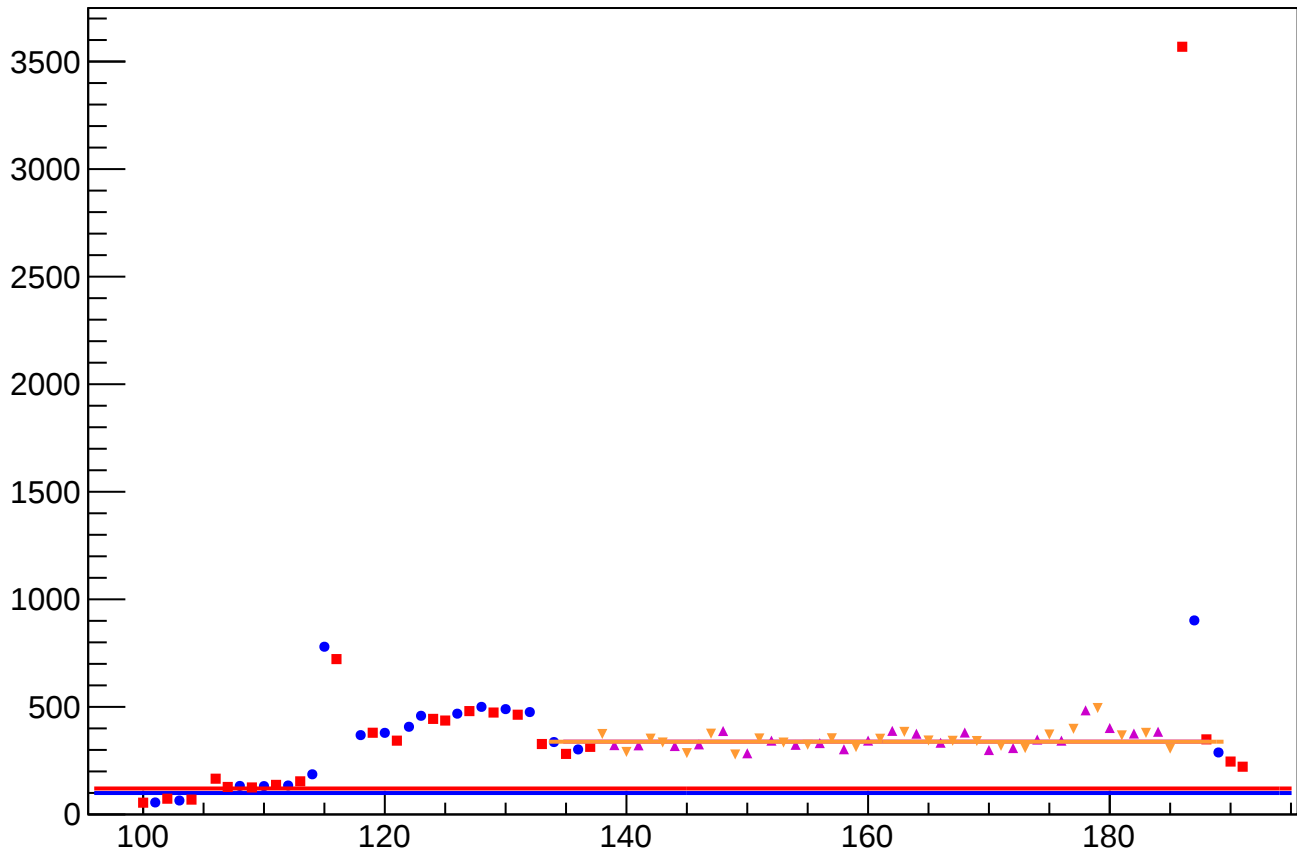
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -31.757 ± 43.075 χ^2/NDF : 50.0/43

All: -22.599 ± 30.739 χ^2/NDF : 107.5/89

- sign -13.096 ± 43.880 χ^2/NDF : 57.4/45

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: 120.711+/-0.037 χ^2/NDF : 6737370.8/22

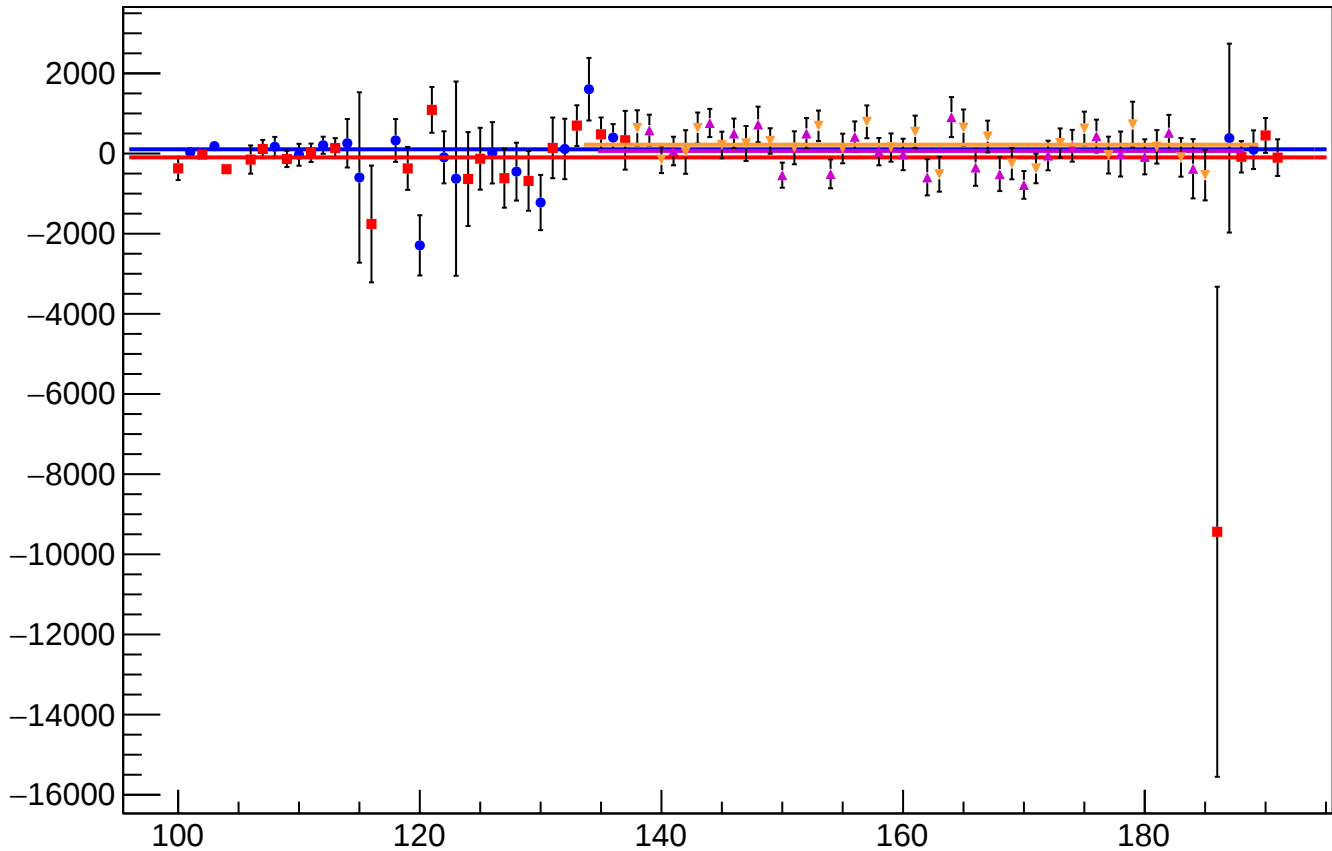
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 169.536+/-0.030 χ^2/NDF : 19576981.0/43

All: 176.353+/-0.022 χ^2/NDF : 36960146.7/89

- sign 183.428+/-0.031 χ^2/NDF : 17281069.4/45

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: -95.694 $\pm$ 59.085 χ^2 /NDF: 25.2/22

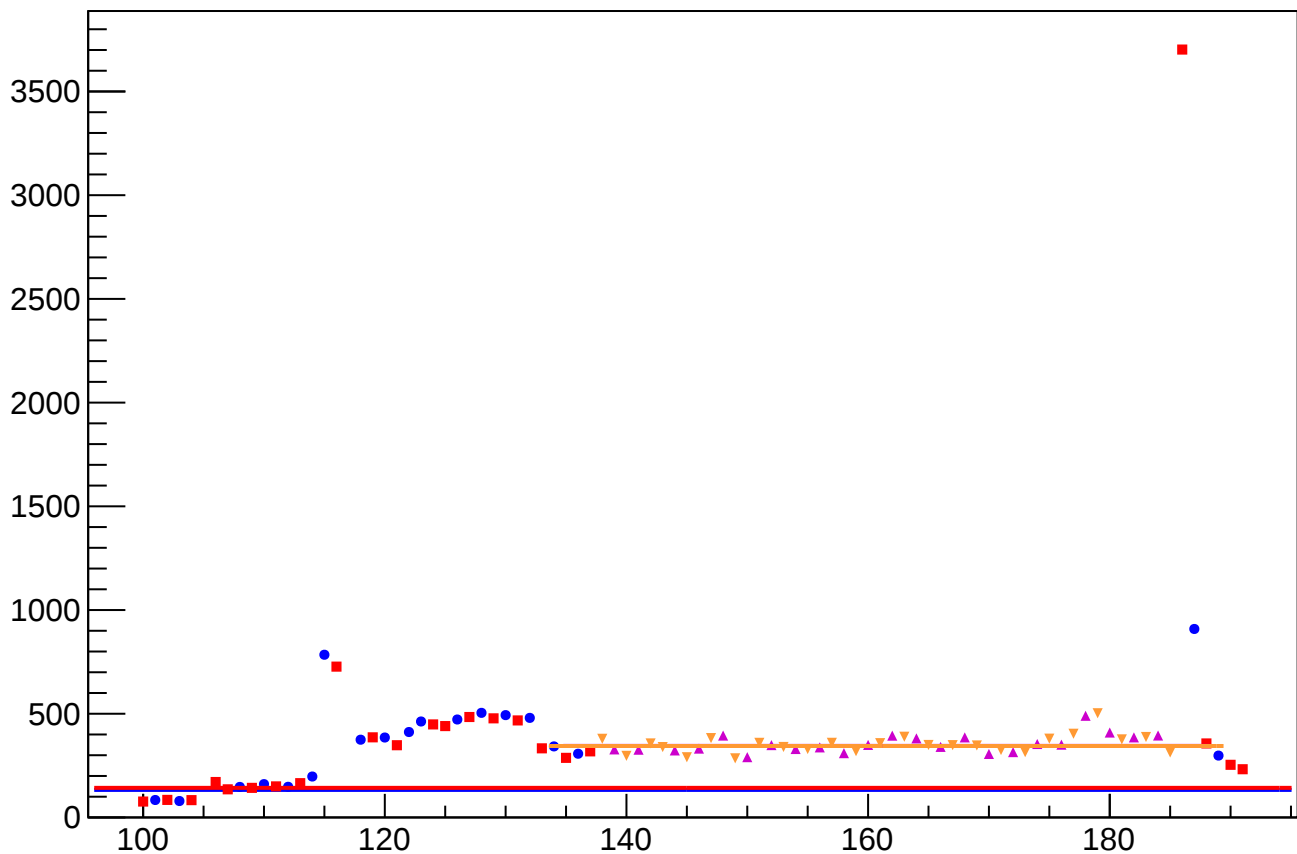
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 148.863 $\pm$ 49.550 χ^2 /NDF: 42.0/43

All: 50.916 $\pm$ 34.549 χ^2 /NDF: 111.2/89

- sign -41.753 $\pm$ 48.197 χ^2 /NDF: 61.6/45

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: 142.728 $\pm$ 0.042 χ^2 /NDF: 5879166.9/22

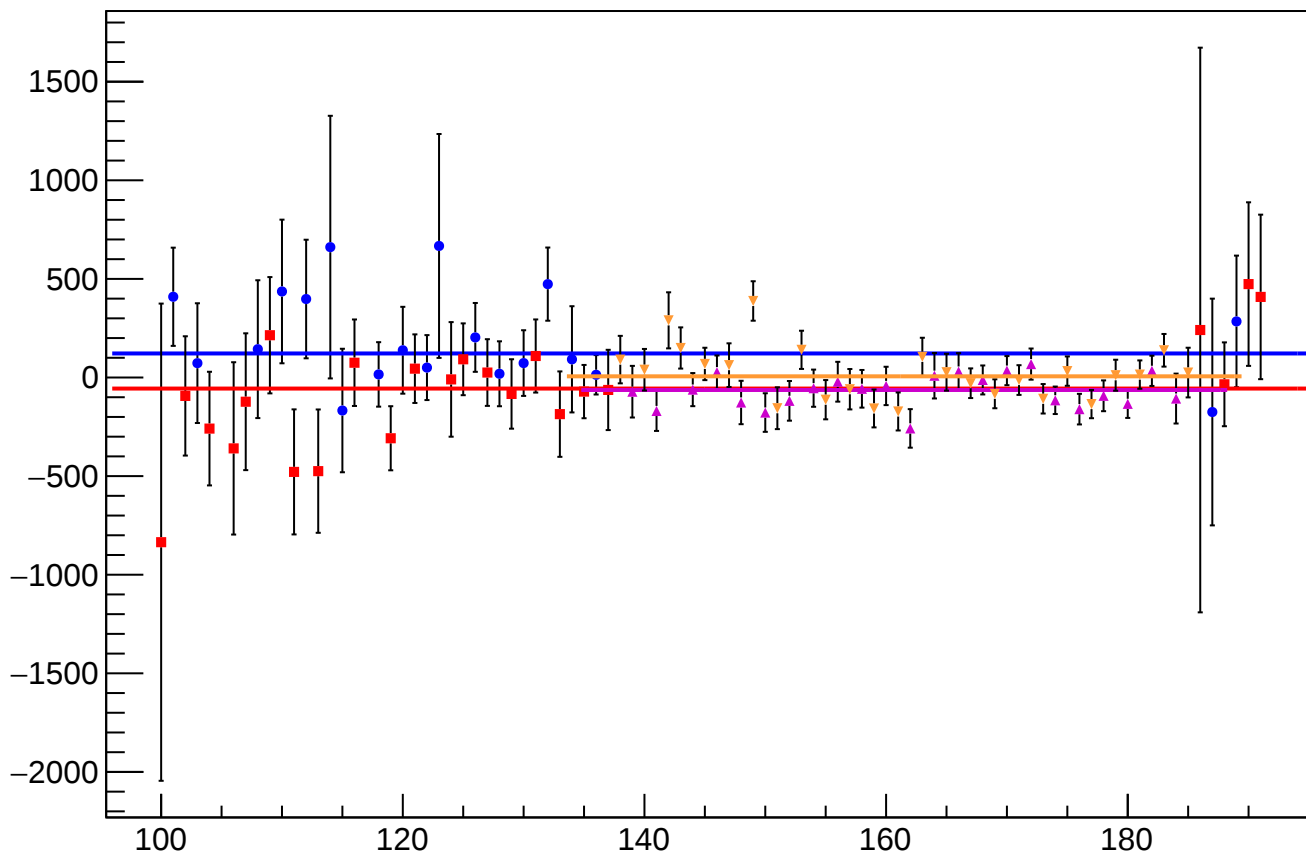
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 211.975 $\pm$ 0.035 χ^2 /NDF: 14255324.5/43

All: 211.178 $\pm$ 0.024 χ^2 /NDF: 28408984.6/89

- sign 210.425 $\pm$ 0.034 χ^2 /NDF: 14152653.5/45

reg_asym_sam_26_avg_mean vs Slug



Right In: 121.952 $\pm$ 48.501 χ^2 /NDF: 12.0/18

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF:46.0/24

Right Out: -56.056 $\pm$ 48.037 χ^2 /NDF: 14.0/22

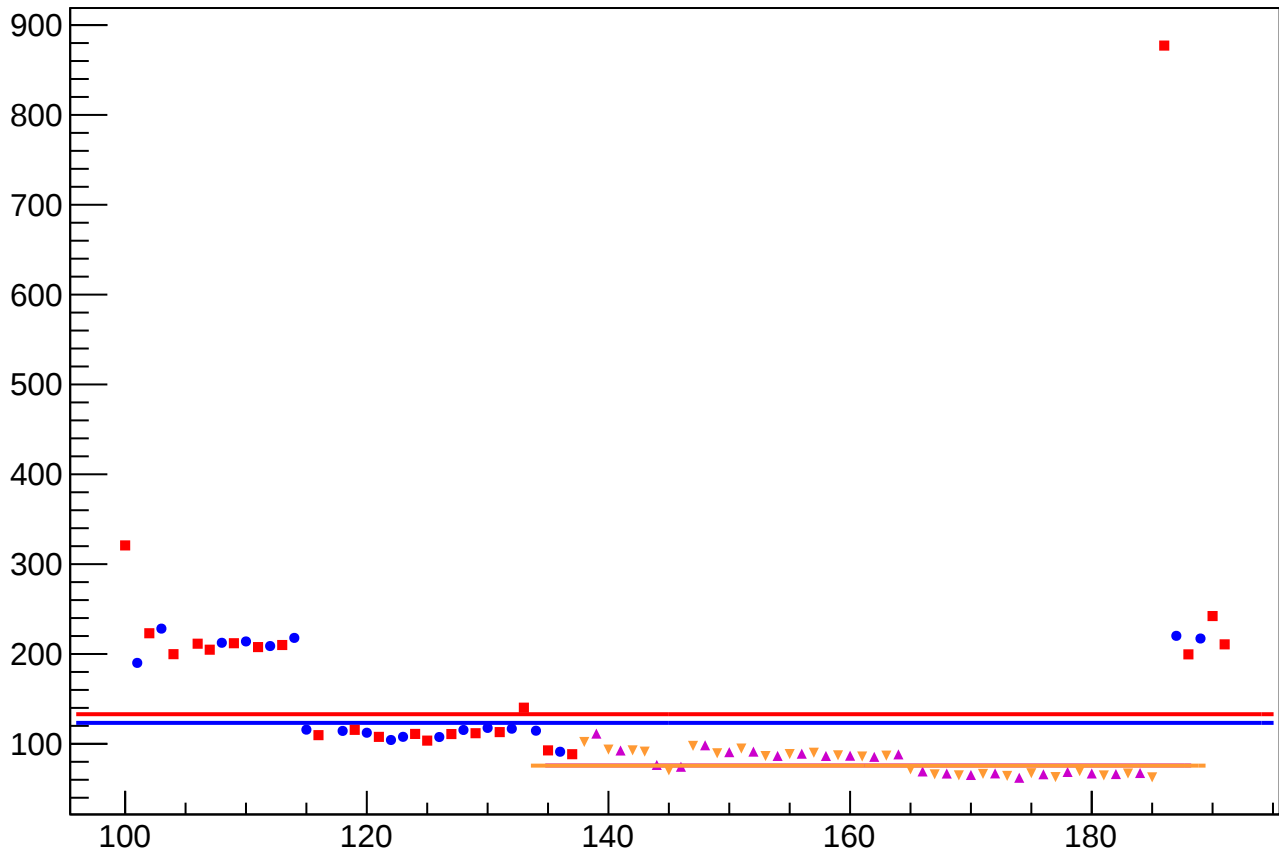
Left In: -63.279 $\pm$ 18.447 χ^2 /NDF:19.8/22

+ sign 19.931 $\pm$ 16.801 χ^2 /NDF: 63.0/43

All: -20.195 $\pm$ 12.026 χ^2 /NDF: 108.6/89

- sign -62.351 $\pm$ 17.220 χ^2 /NDF: 33.8/45

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: 132.979 $\pm$ 0.034 χ^2 /NDF: 2317375.3/22

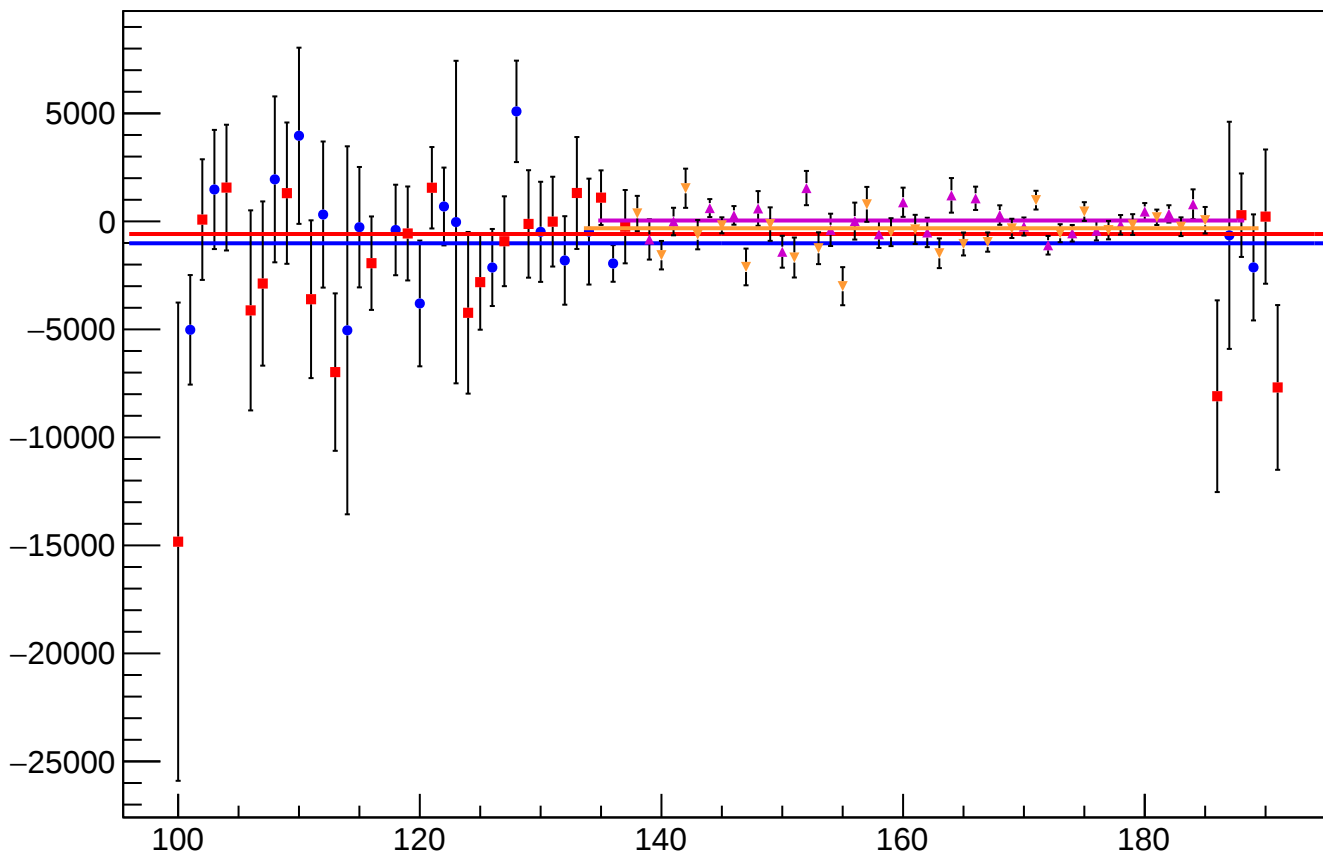
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF: 831366.4/22

+ sign 81.453 $\pm$ 0.012 χ^2 /NDF: 3960805.0/43

All: 82.326 $\pm$ 0.009 χ^2 /NDF: 9580758.1/89

- sign 83.244 $\pm$ 0.012 χ^2 /NDF: 5608871.3/45

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: -584.423 ± 510.605 χ^2/NDF : 20.0/22

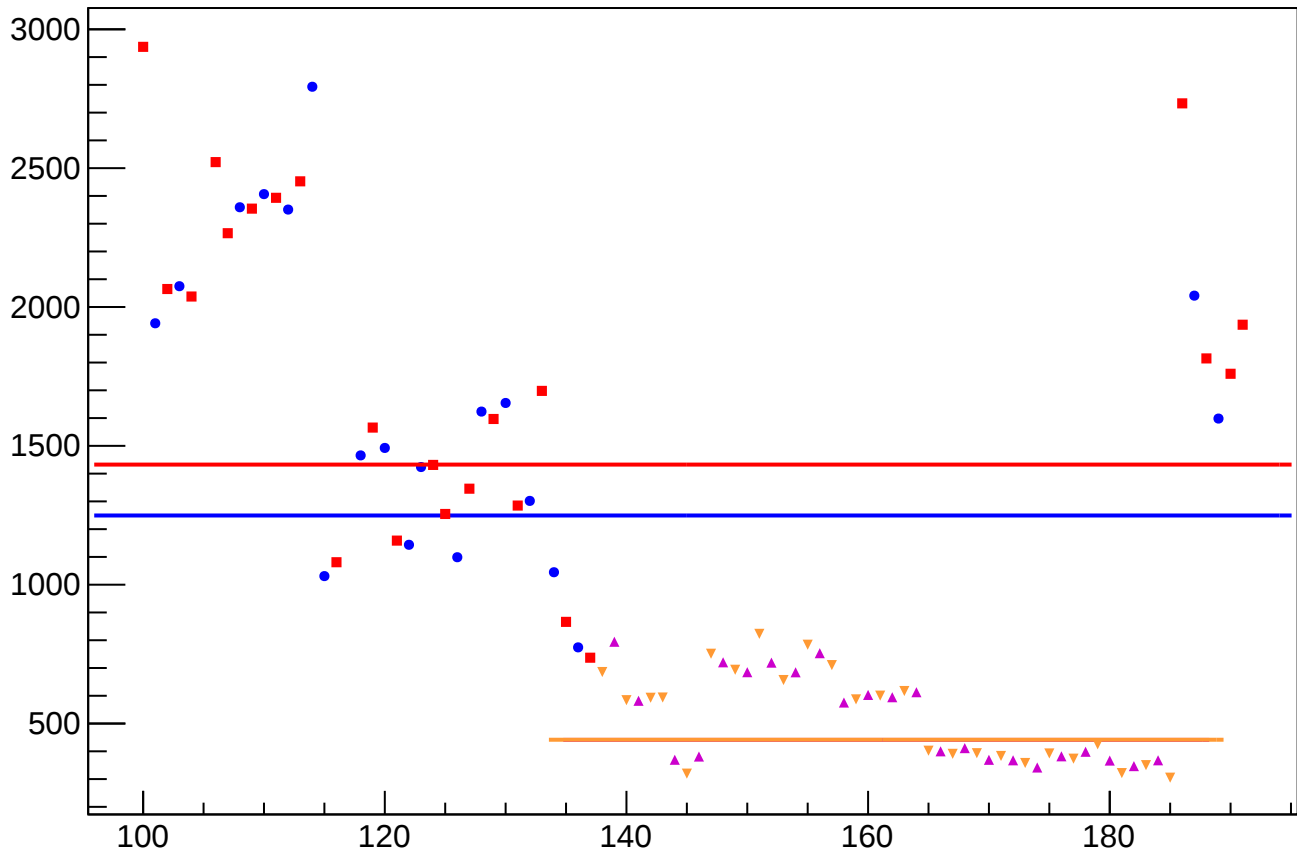
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -349.063 ± 105.581 χ^2/NDF : 68.5/43

All: -171.923 ± 75.418 χ^2/NDF : 130.4/89

- sign 12.636 ± 107.769 χ^2/NDF : 56.2/45

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: 1432.524 $\pm$ 0.361 χ^2 /NDF: 2090236.2/22

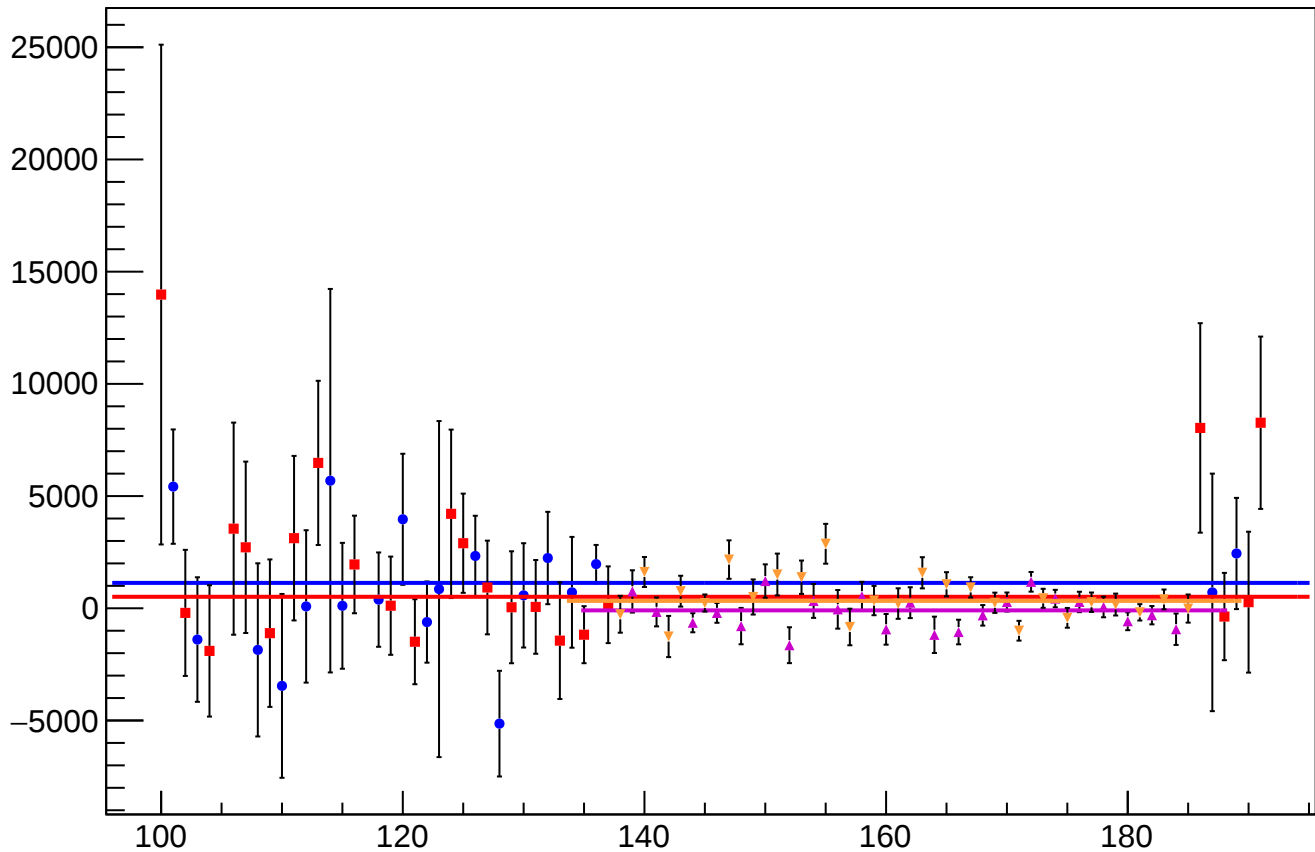
Left In: 441.009 $\pm$ 0.078 χ^2 /NDF: 2597018.1/22

+ sign 477.655 $\pm$ 0.075 χ^2 /NDF: 9992770.3/43

All: 481.339 $\pm$ 0.053 χ^2 /NDF: 21890576.8/89

- sign 485.177 $\pm$ 0.076 χ^2 /NDF: 11892834.6/45

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: 512.627 $\pm$ 513.683 χ^2 /NDF: 19.5/22

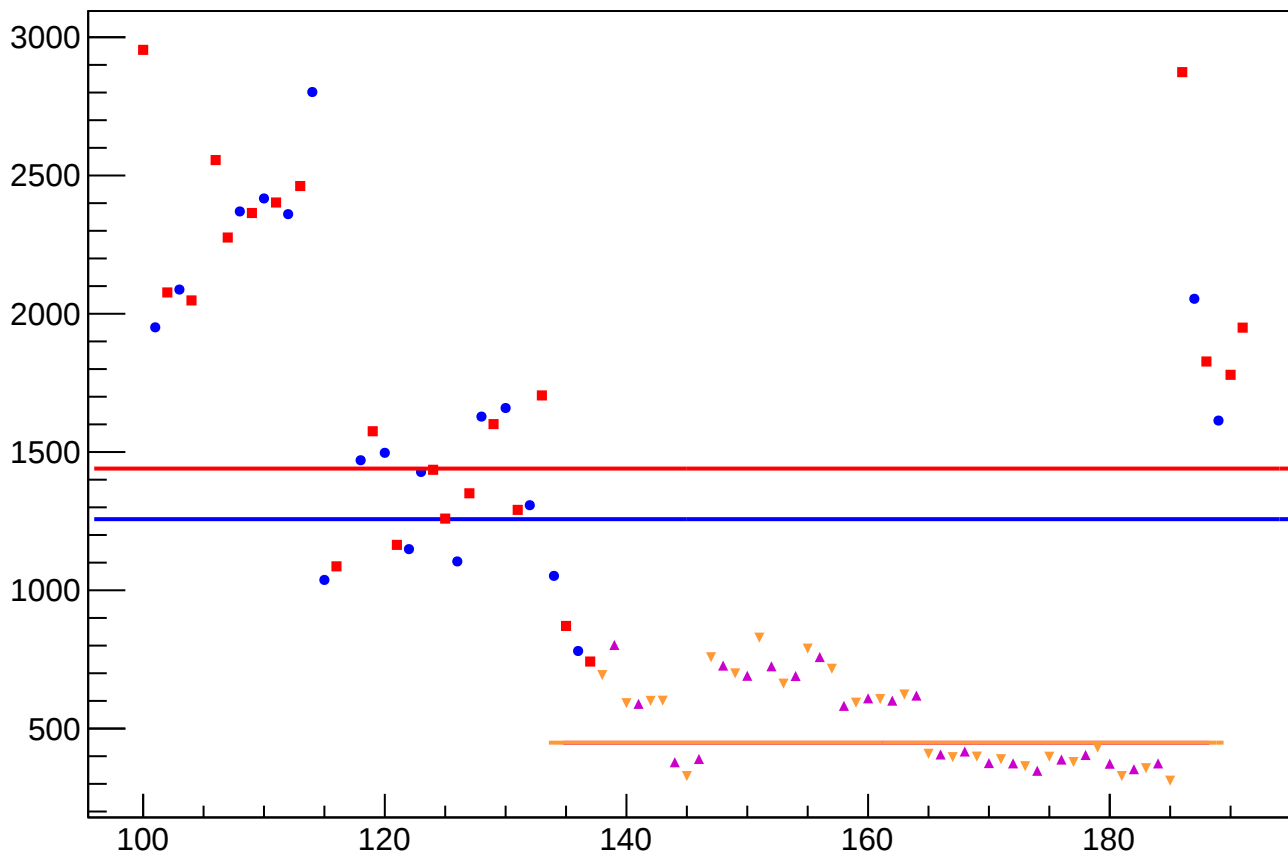
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 365.015 $\pm$ 107.153 χ^2 /NDF: 67.3/43

All: 154.046 $\pm$ 76.548 χ^2 /NDF: 129.4/89

- sign -65.831 $\pm$ 109.392 χ^2 /NDF: 54.1/45

asym_sam_26_avg_rms vs Slug



Right In: 1257.198+/-0.356 χ^2/NDF : 1832709.3/18

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1440.169+/-0.363 χ^2/NDF : 2105481.2/22

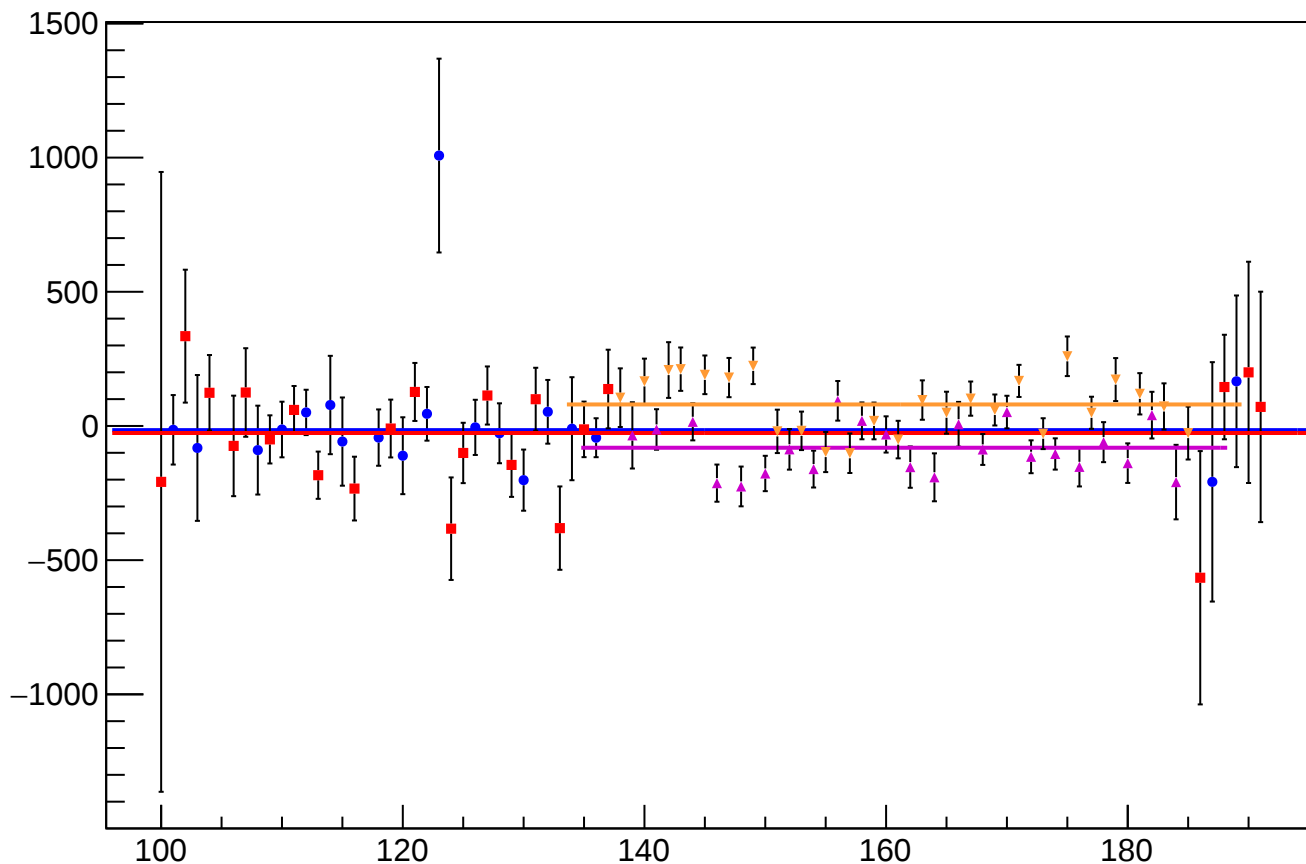
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 485.663+/-0.076 χ^2/NDF : 9848269.8/43

All: 489.397+/-0.054 χ^2/NDF : 21614539.7/89

- sign 493.288+/-0.077 χ^2/NDF : 11761311.3/45

reg_asym_sam_37_avg_mean vs Slug



Right In: -15.527 ± 28.729 χ^2/NDF : 13.8/18

Left Out: 80.171 ± 14.592 χ^2/NDF : 48.6/24

Right Out: -26.169 ± 27.596 χ^2/NDF : 30.1/22

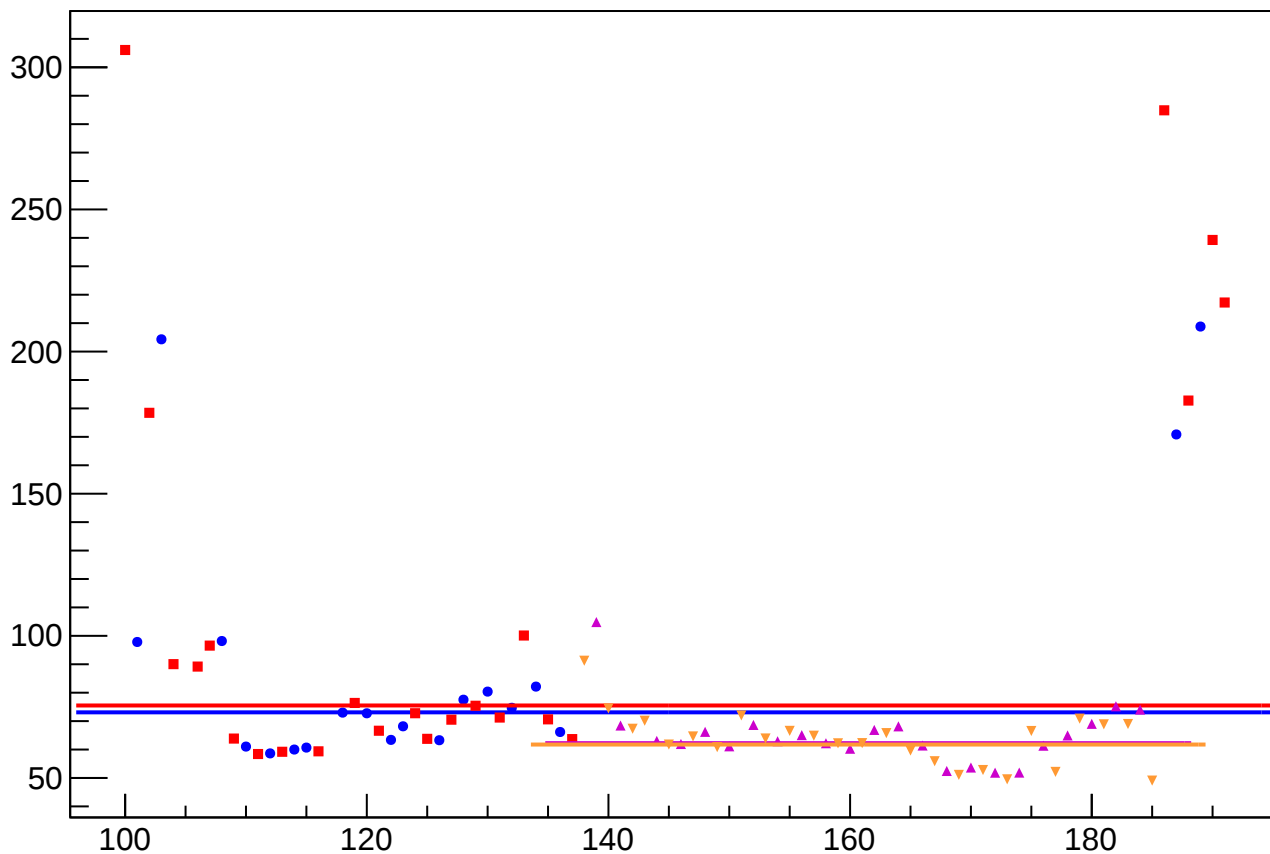
Left In: -81.156 ± 15.105 χ^2/NDF : 35.3/22

+ sign 60.545 ± 13.010 χ^2/NDF : 71.2/43

All: -2.787 ± 9.283 χ^2/NDF : 187.9/89

- sign -68.479 ± 13.250 χ^2/NDF : 68.4/45

reg_asym_sam_37_avg_rms vs Slug



Right In: 73.086 $\pm$ 0.020 χ^2 /NDF: 1220513.8/18

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 75.501 $\pm$ 0.020 χ^2 /NDF: 2346929.2/22

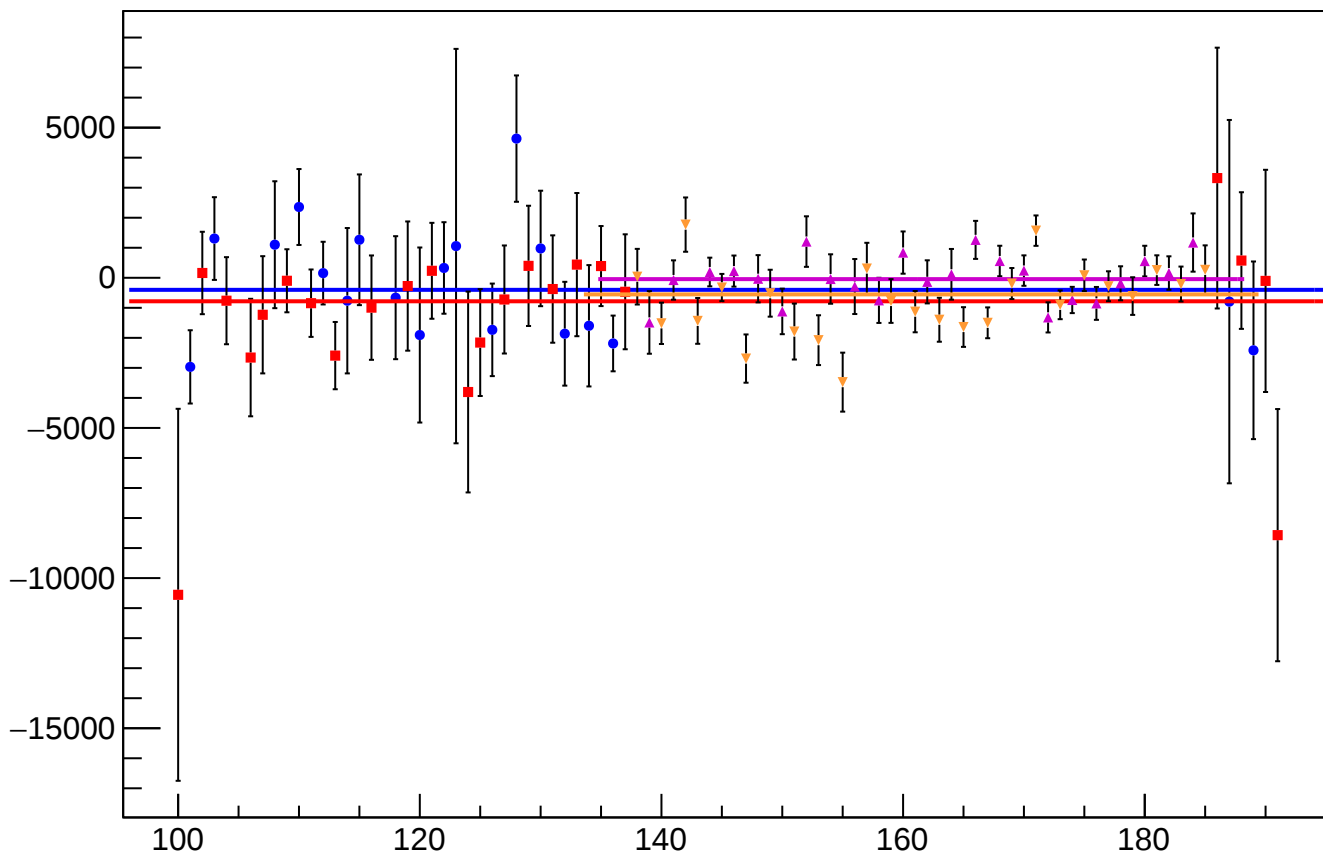
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 64.084 $\pm$ 0.009 χ^2 /NDF: 2113103.0/43

All: 64.683 $\pm$ 0.007 χ^2 /NDF: 5414628.9/89

- sign 65.305 $\pm$ 0.009 χ^2 /NDF: 3292872.3/45

asym_sam_37_avg_correction_mean vs Slug



Right In: -401.078 ± 379.061 χ^2/NDF : 24.9/18

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -782.707 ± 361.338 χ^2/NDF : 15.0/22

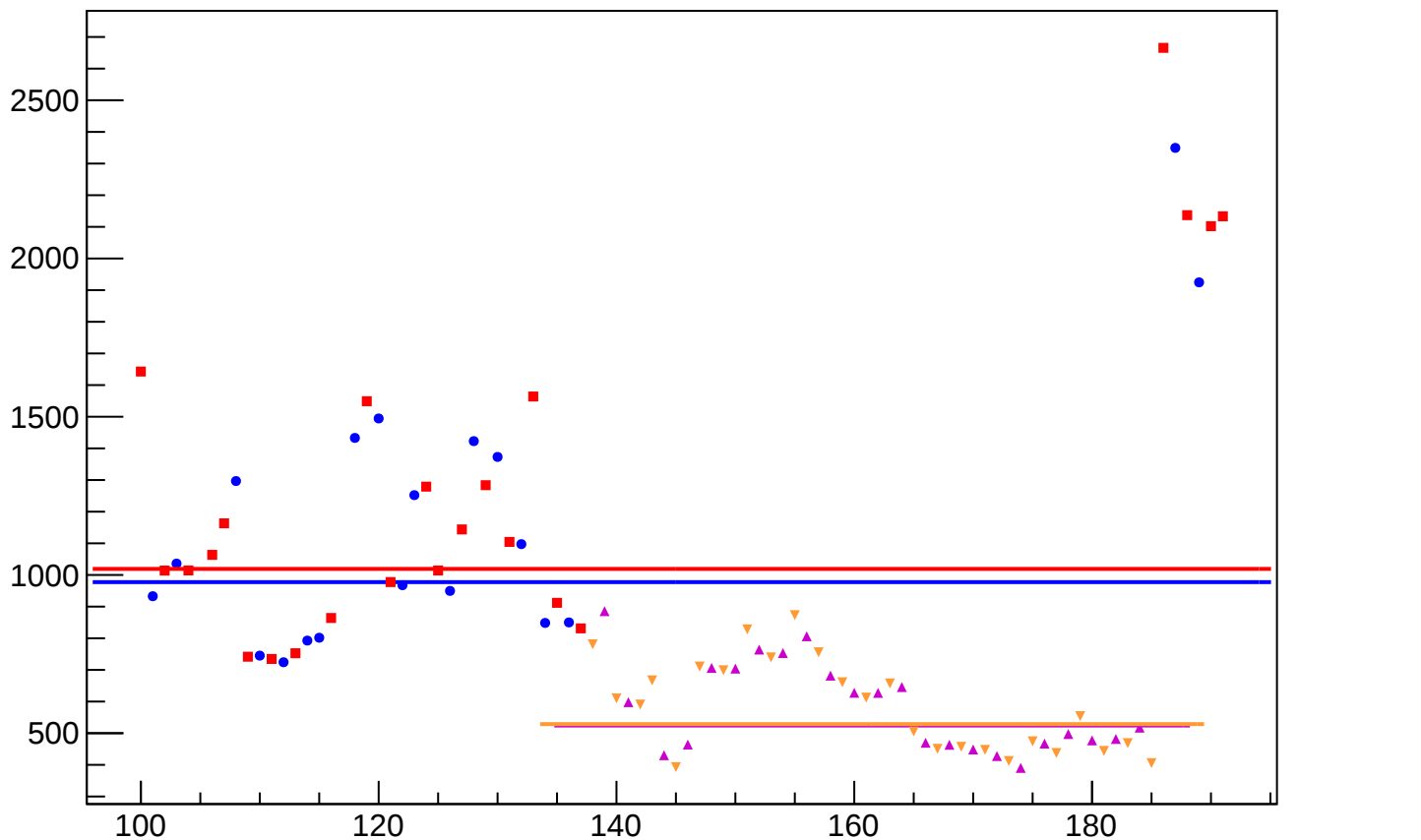
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -537.232 ± 120.405 χ^2/NDF : 90.3/43

All: -334.648 ± 85.548 χ^2/NDF : 144.4/89

- sign -128.129 ± 121.569 χ^2/NDF : 48.3/45

asym_sam_37_avg_correction_rms vs Slug



Right In: 977.428+/-0.268 χ^2/NDF : 965926.9/18

Left Out: 528.736+/-0.090 χ^2/NDF : 1983697.7/24

Right Out: 1019.139+/-0.256 χ^2/NDF : 1832636.7/22

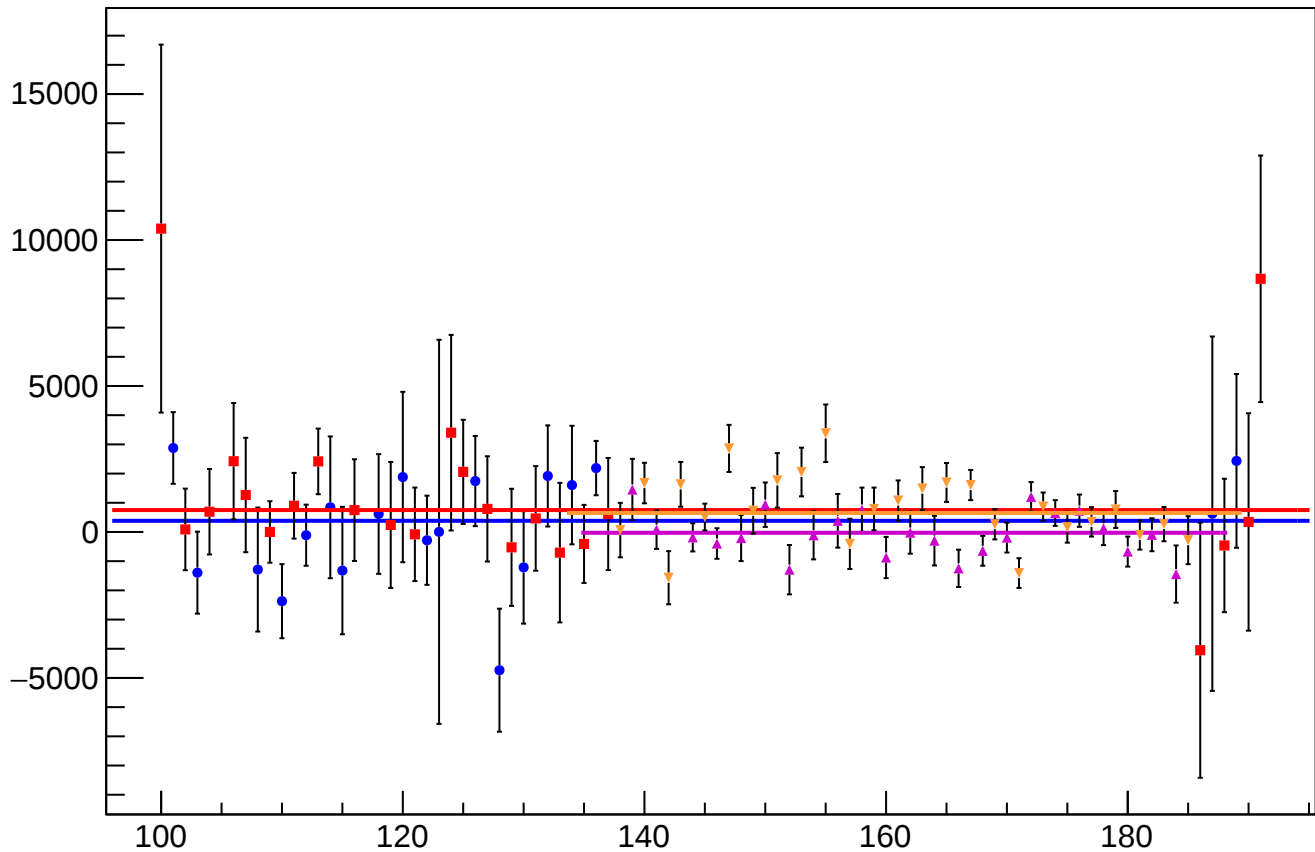
Left In: 524.268+/-0.091 χ^2/NDF : 1716257.3/22

+ sign 574.007+/-0.085 χ^2/NDF : 5469154.4/43

All: 577.115+/-0.060 χ^2/NDF : 12347453.6/89

- sign 580.284+/-0.086 χ^2/NDF : 6875607.5/45

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: 750.858 ± 363.167 χ^2/NDF : 14.1/22

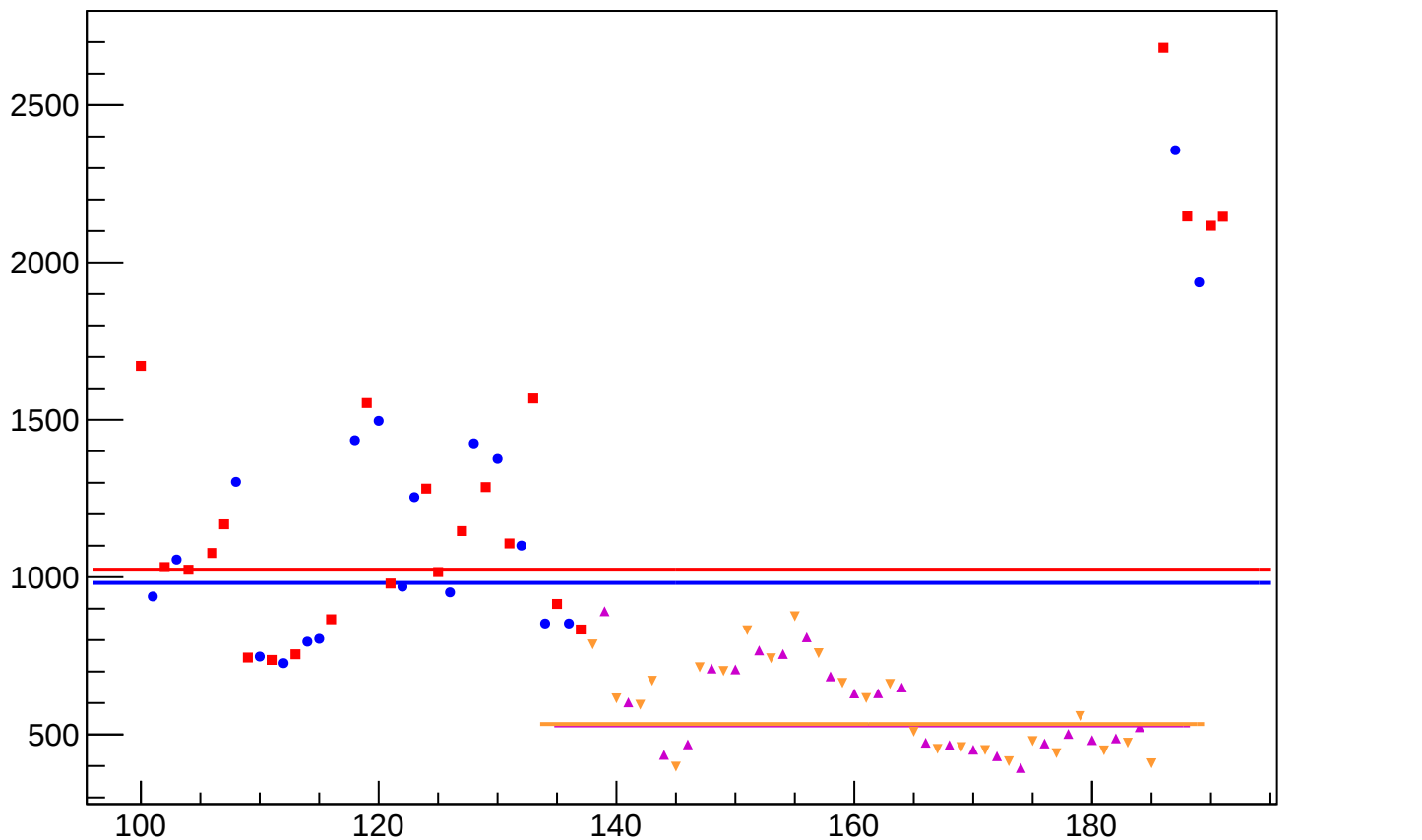
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 624.252 ± 121.296 χ^2/NDF : 86.7/43

All: 345.447 ± 86.192 χ^2/NDF : 144.0/89

- sign 61.076 ± 122.500 χ^2/NDF : 46.7/45

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: 1023.949 $\pm$ 0.257 χ^2 /NDF: 1836581.6/22

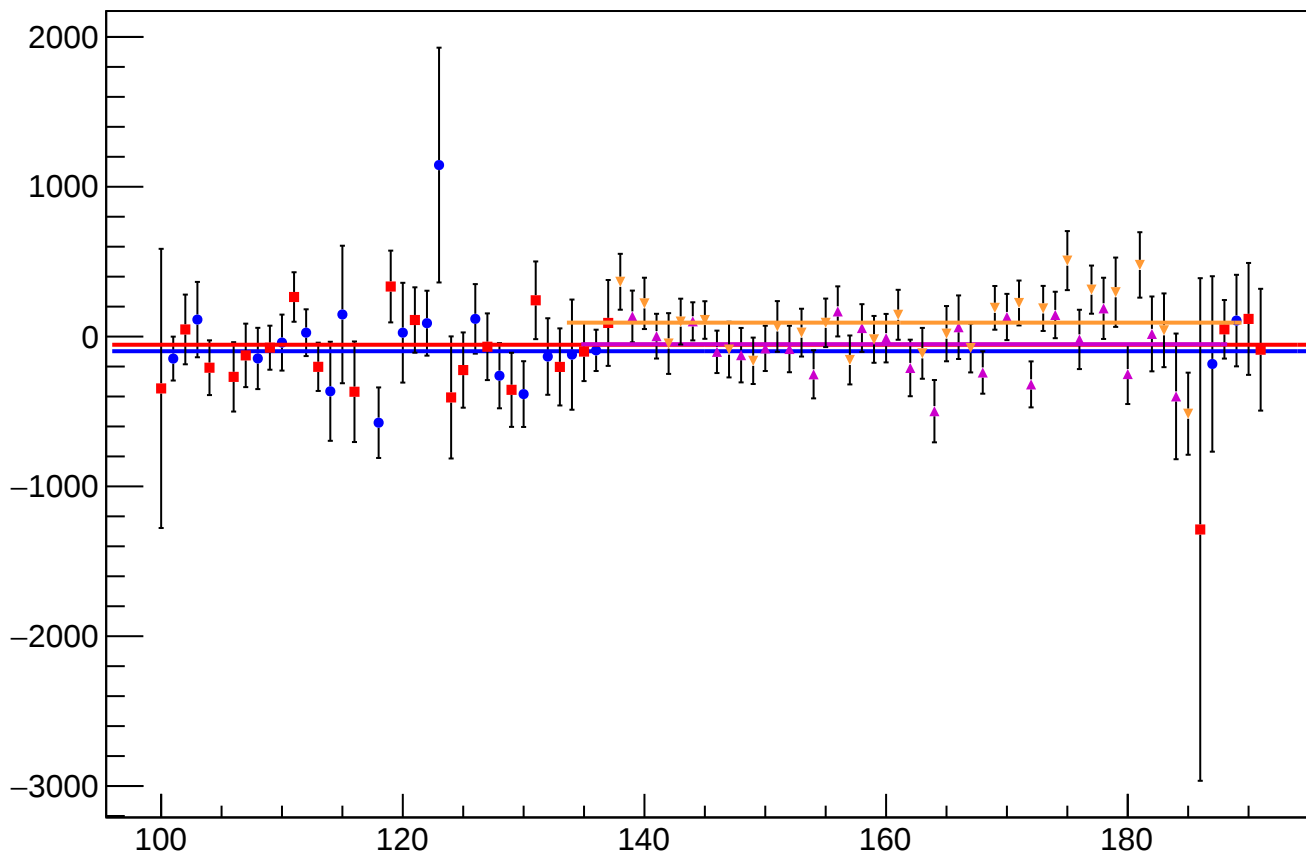
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF: 1688511.2/22

+ sign 578.600 $\pm$ 0.086 χ^2 /NDF: 5414639.9/43

All: 581.790 $\pm$ 0.061 χ^2 /NDF: 12238760.9/89

- sign 585.044 $\pm$ 0.087 χ^2 /NDF: 6821326.9/45

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: -54.533 ± 48.484 χ^2/NDF : 16.3/22

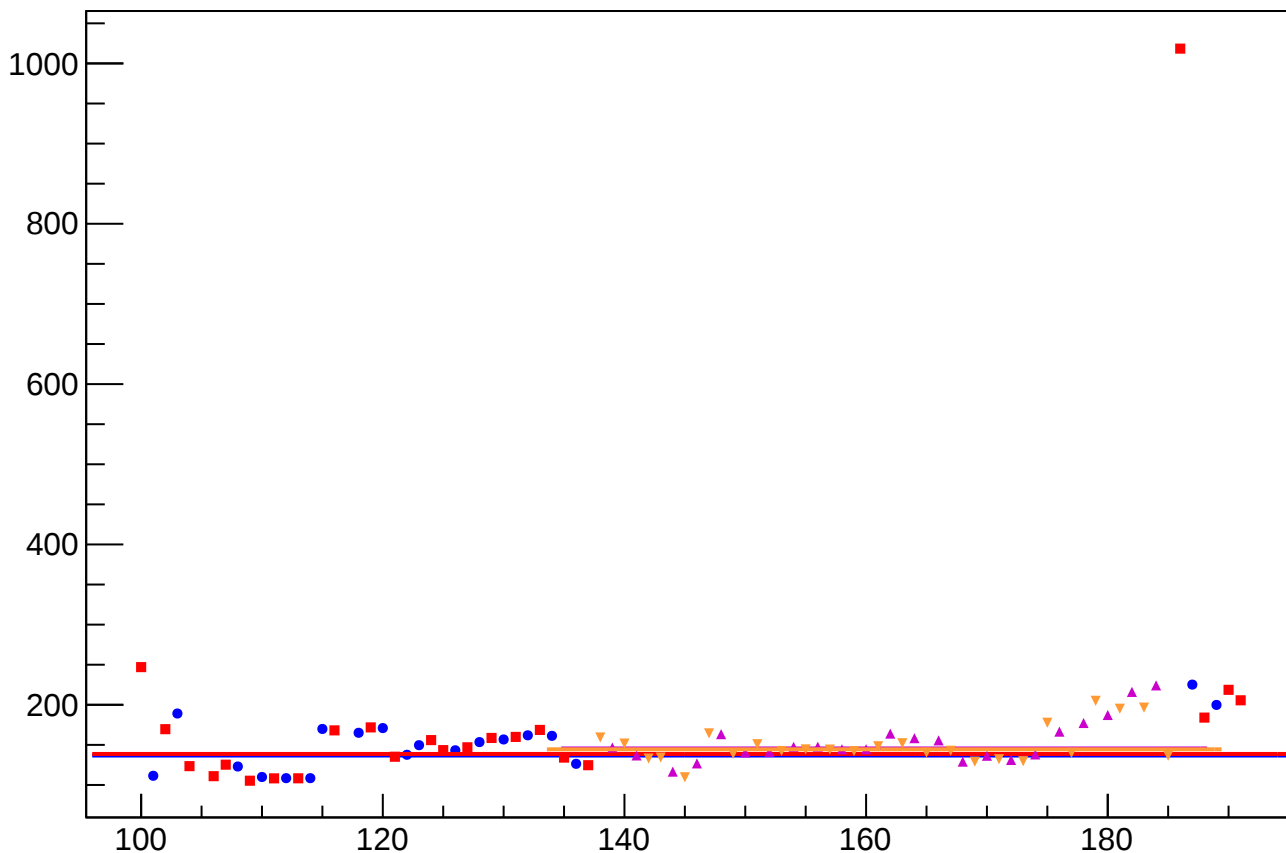
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 35.806 ± 28.494 χ^2/NDF : 52.5/43

All: -8.124 ± 20.160 χ^2/NDF : 97.0/89

- sign -52.155 ± 28.527 χ^2/NDF : 39.8/45

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: 138.668 $\pm$ 0.034 χ^2 /NDF: 1279384.9/22

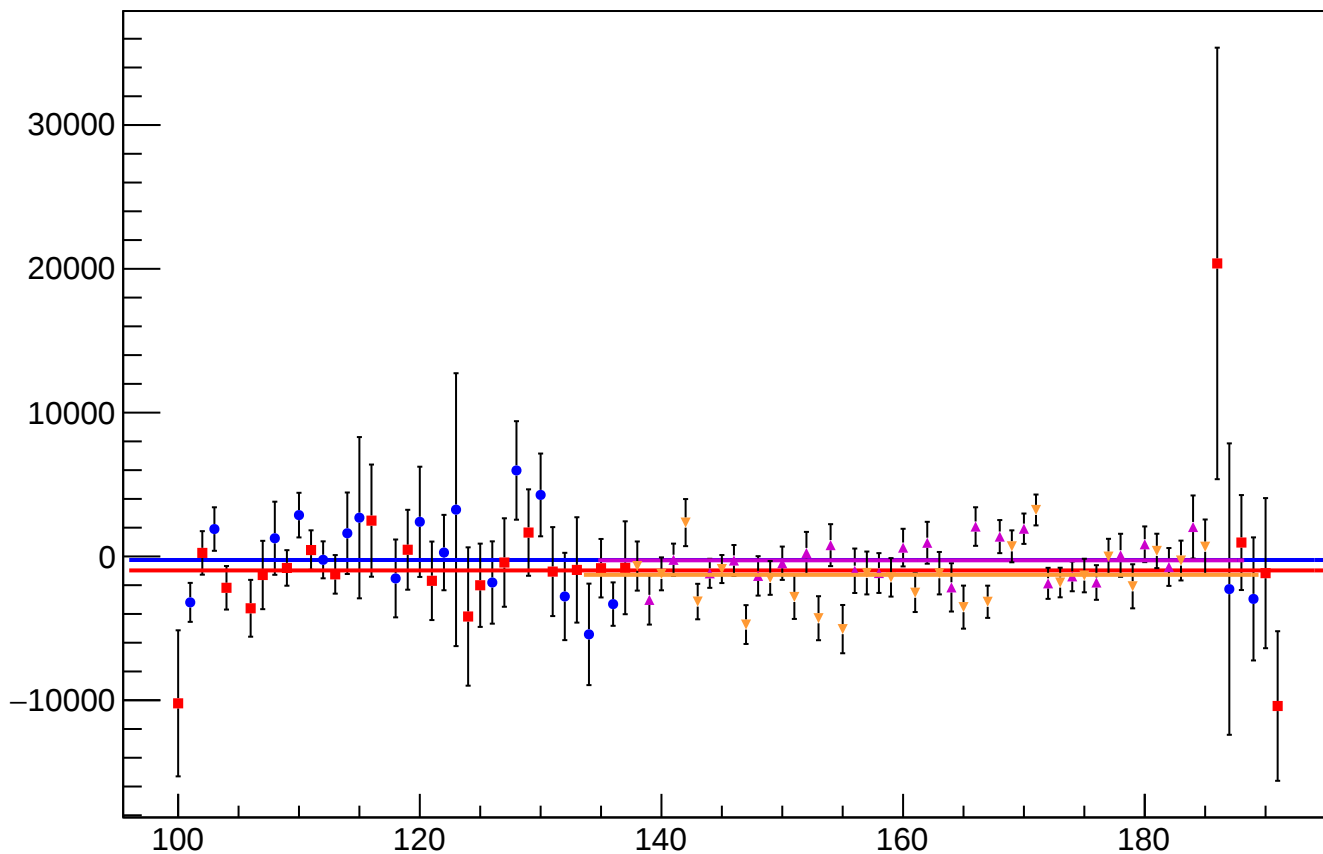
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 142.158 $\pm$ 0.020 χ^2 /NDF: 1239659.0/43

All: 142.657 $\pm$ 0.014 χ^2 /NDF: 3190031.0/89

- sign 143.158 $\pm$ 0.020 χ^2 /NDF: 1949142.6/45

asym_sam_48_avg_correction_mean vs Slug



Right In: -247.894 ± 520.296 $\chi^2/\text{NDF}: 26.2/18$

Left Out: -1279.328 ± 259.299 $\chi^2/\text{NDF}: 55.9/24$

Right Out: -973.034 ± 472.364 $\chi^2/\text{NDF}: 15.7/22$

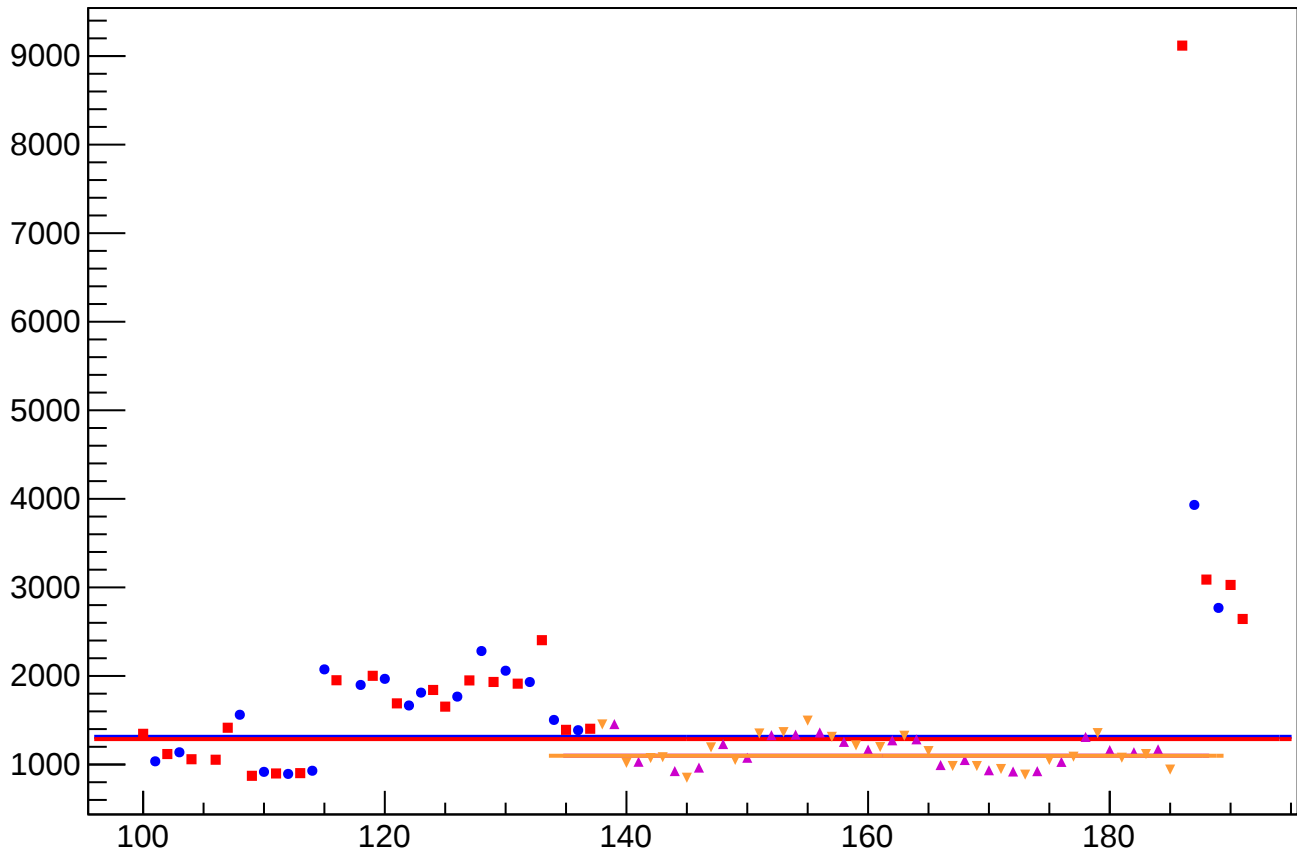
Left In: -269.952 ± 266.245 $\chi^2/\text{NDF}: 24.3/22$

+ sign -1074.118 ± 232.075 $\chi^2/\text{NDF}: 85.3/43$

All: -756.605 ± 164.054 $\chi^2/\text{NDF}: 130.7/89$

- sign -439.464 ± 231.939 $\chi^2/\text{NDF}: 41.6/45$

asym_sam_48_avg_correction_rms vs Slug



Right In: 1312.812+/-0.368 χ^2/NDF : 1542768.9/18

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1286.986+/-0.334 χ^2/NDF : 2905002.8/22

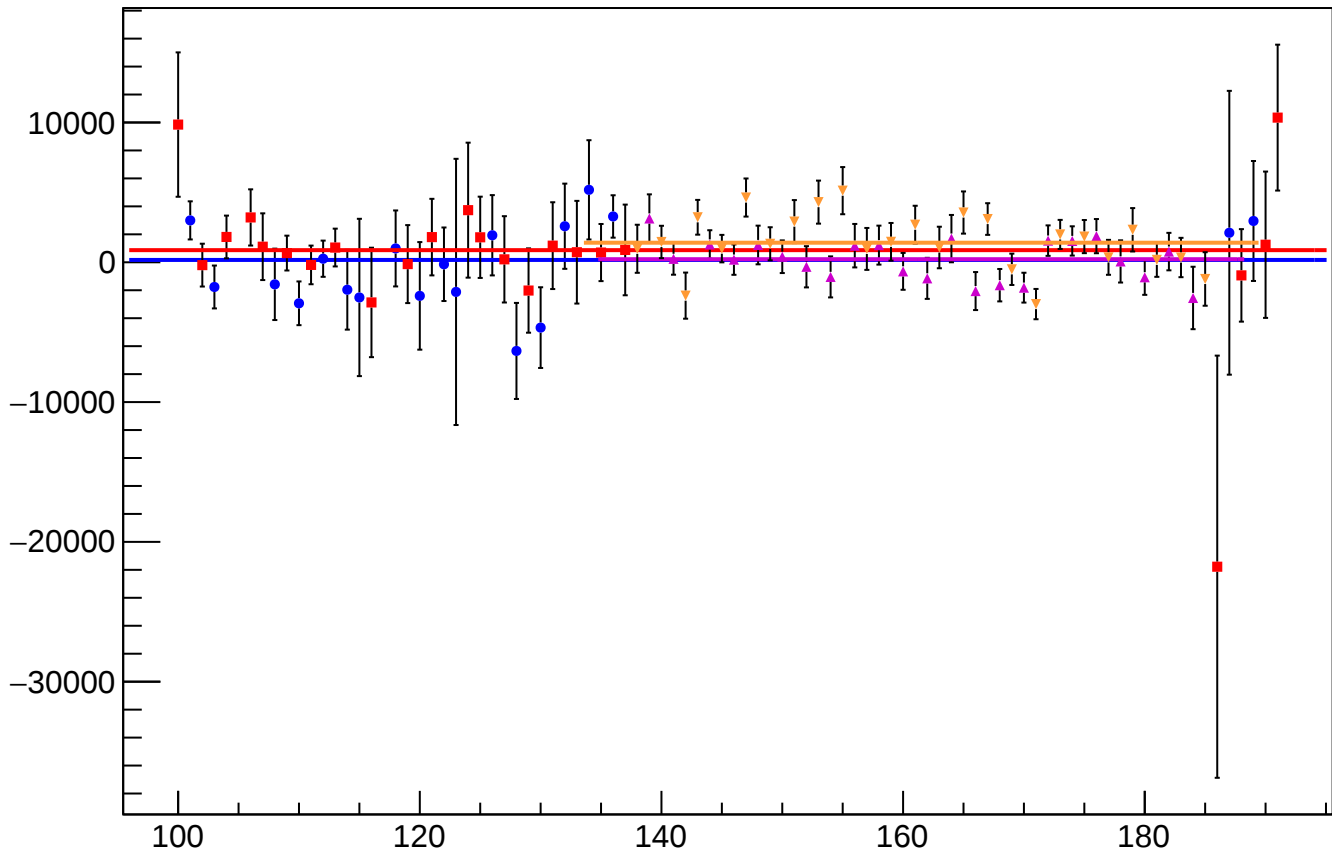
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1141.466+/-0.164 χ^2/NDF : 2637879.9/43

All: 1143.118+/-0.116 χ^2/NDF : 6461874.9/89

- sign 1144.767+/-0.164 χ^2/NDF : 3823792.6/45

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: 868.149 $\pm$ 475.889 χ^2 /NDF: 14.3/22

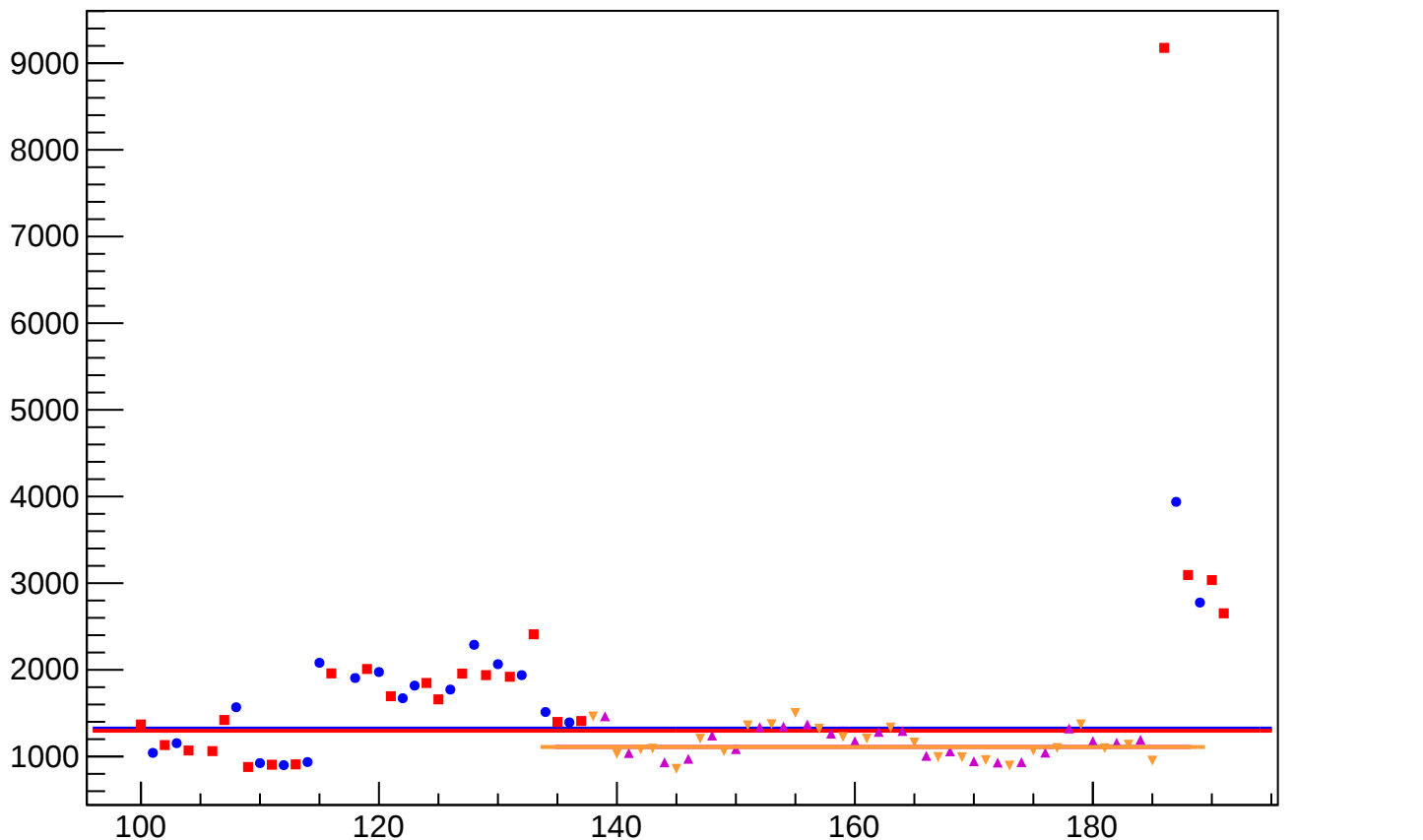
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1153.942 $\pm$ 234.168 χ^2 /NDF: 82.4/43

All: 765.002 $\pm$ 165.551 χ^2 /NDF: 128.7/89

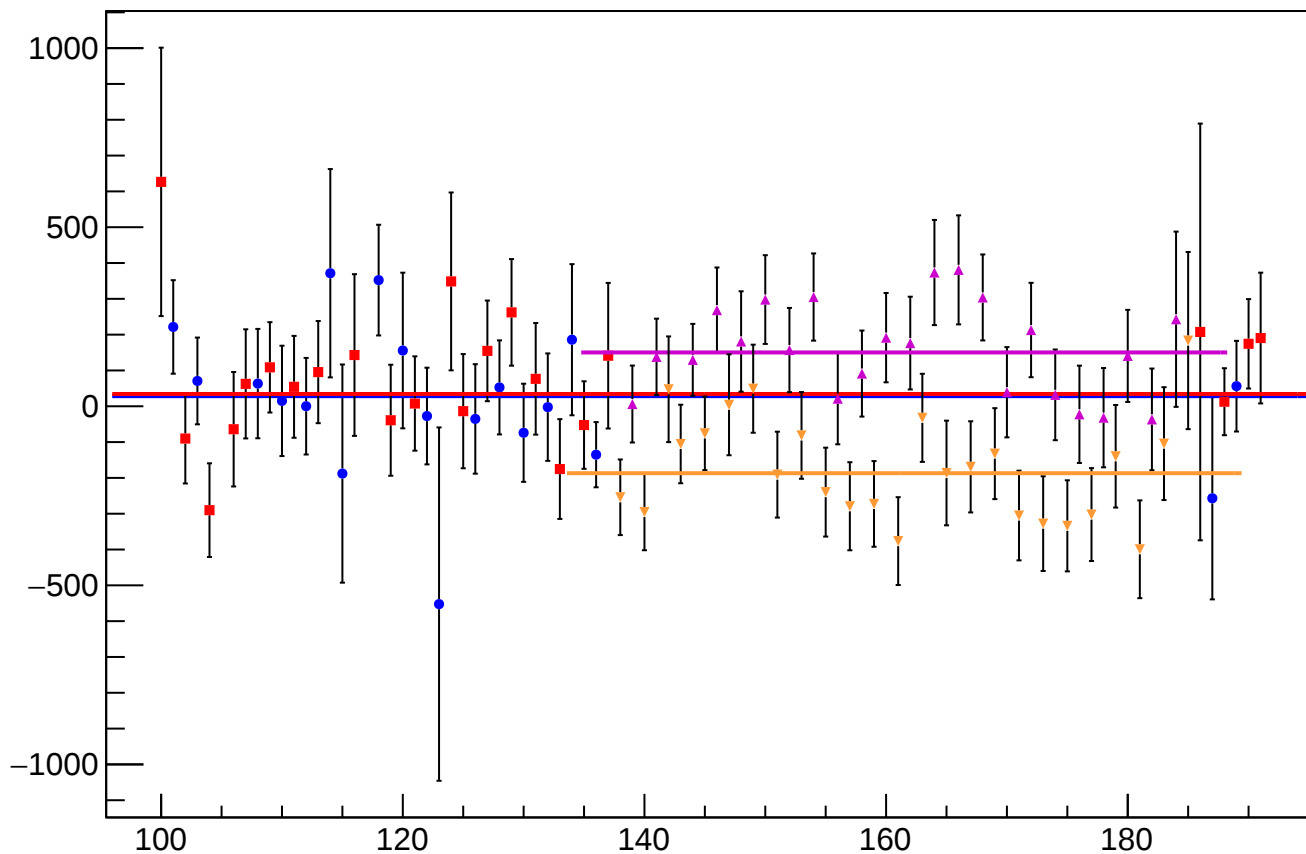
- sign 376.356 $\pm$ 234.080 χ^2 /NDF: 40.7/45

asym_sam_48_avg_rms vs Slug



Right In: 1322.125+/-0.370	χ^2/NDF : 1527429.9/18	+ sign 1152.229+/-0.166	χ^2/NDF : 2602763.2/43
Left Out: 1109.761+/-0.185	χ^2/NDF : 812174.9/24	All: 1153.964+/-0.117	χ^2/NDF : 6388174.1/89
Right Out: 1297.181+/-0.337	χ^2/NDF : 2882063.6/22	- sign 1155.698+/-0.166	χ^2/NDF : 3785191.3/45
Left In: 1110.542+/-0.190	χ^2/NDF : 669928.9/22		

reg_asym_sam_15_dd_mean vs Slug



Right In: 28.294+/-34.749 χ^2/NDF : 16.3/18

Left Out: -186.838+/-25.308 χ^2/NDF : 26.6/24

Right Out: 34.291+/-31.033 χ^2/NDF : 21.1/22

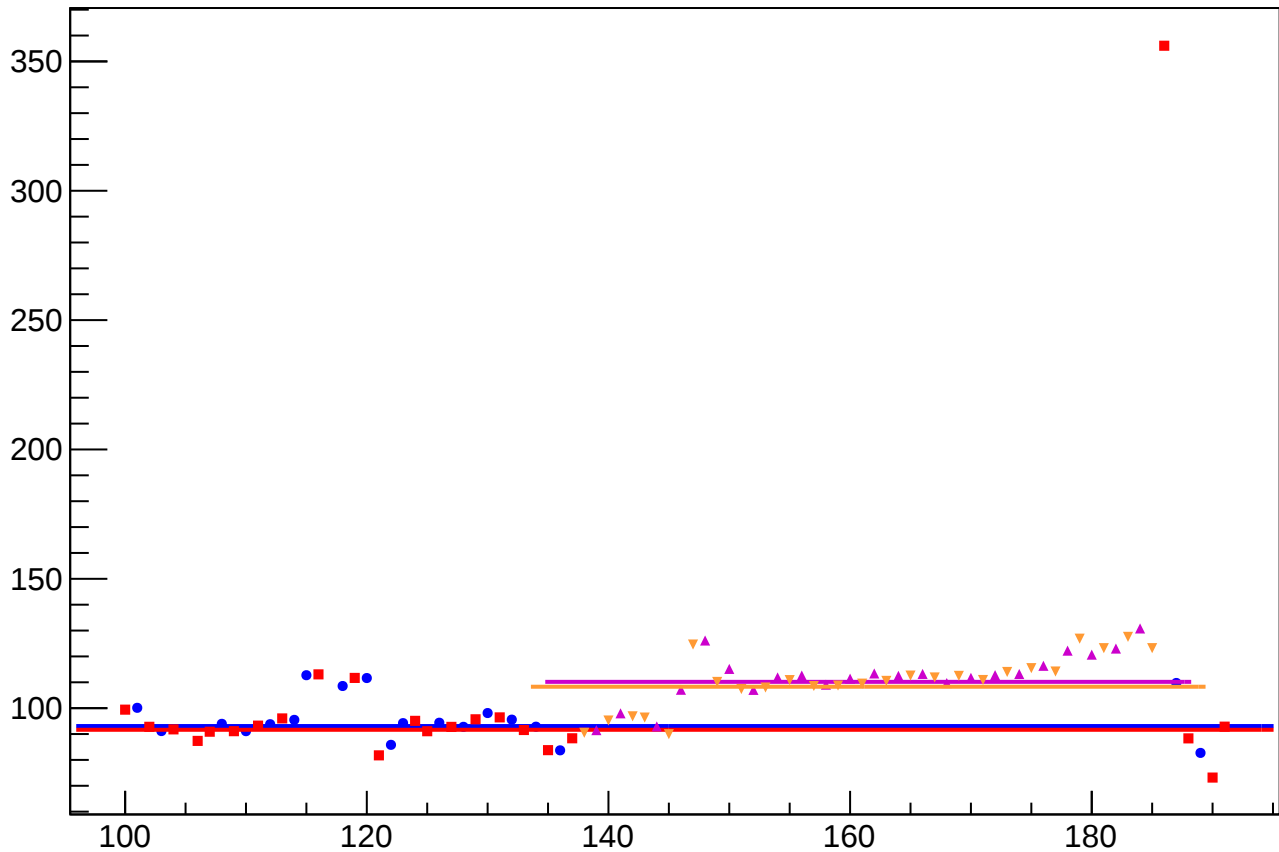
Left In: 150.315+/-26.445 χ^2/NDF : 20.7/22

+ sign -112.274+/-20.457 χ^2/NDF : 67.9/43

All: -3.649+/-14.348 χ^2/NDF : 173.3/89

- sign 101.505+/-20.128 χ^2/NDF : 49.9/45

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: 91.642 $\pm$ 0.022 χ^2 /NDF: 539701.7/22

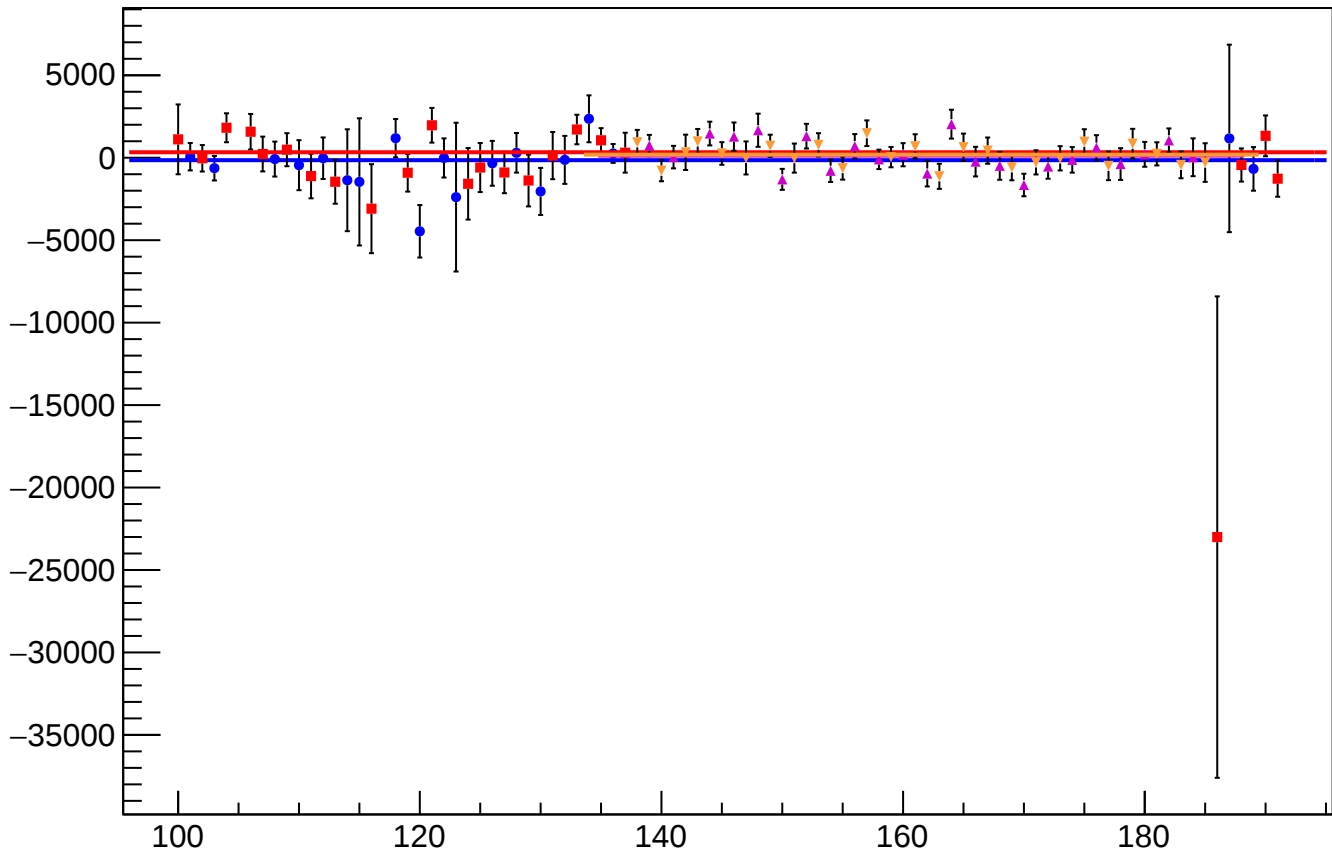
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 103.019 $\pm$ 0.014 χ^2 /NDF: 681517.0/43

All: 102.693 $\pm$ 0.010 χ^2 /NDF: 1882353.6/89

- sign 102.377 $\pm$ 0.014 χ^2 /NDF: 1199835.2/45

asym_sam_15_dd_correction_mean vs Slug



Right In: -148.110 ± 270.864 χ^2/NDF : 15.5/18

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 332.053 ± 241.156 χ^2/NDF : 25.3/22

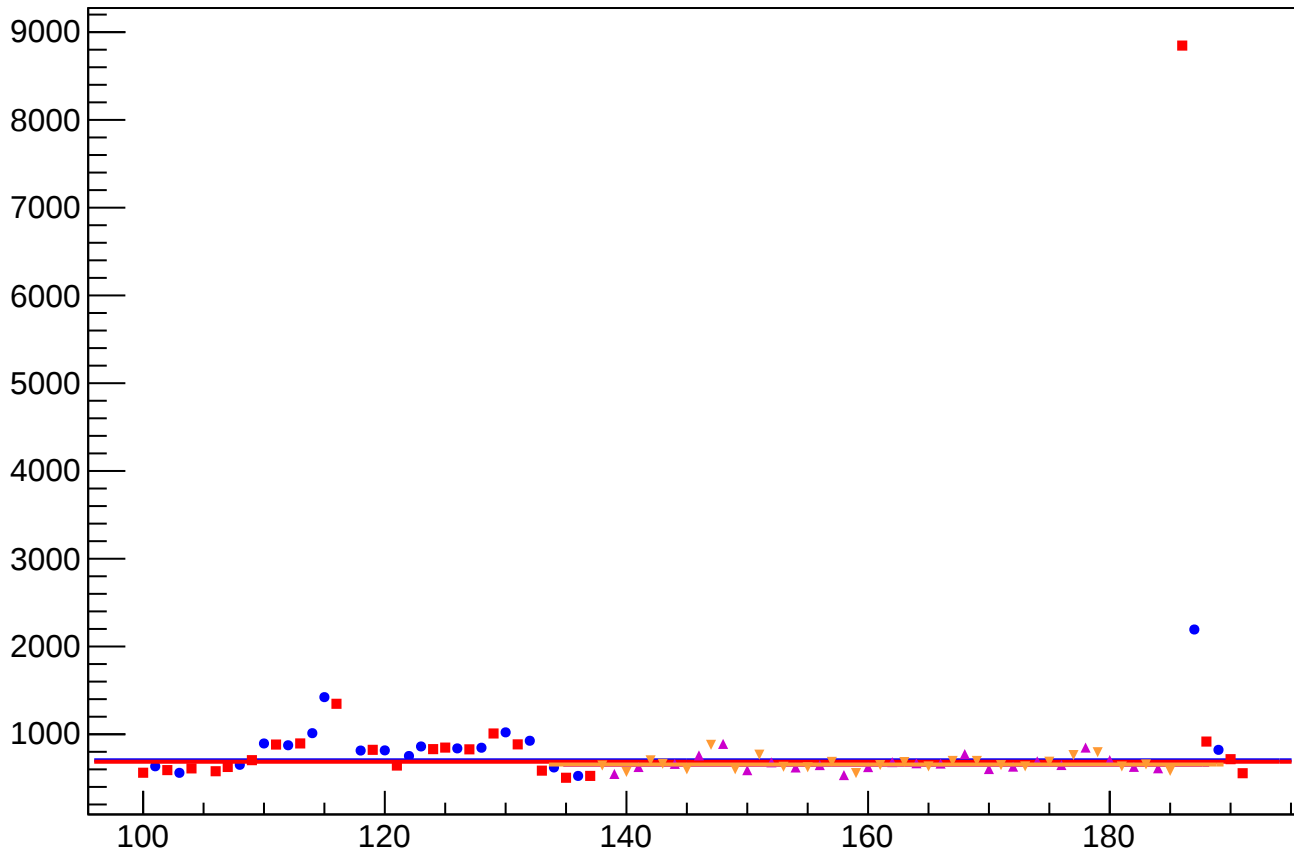
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 104.176 ± 133.667 χ^2/NDF : 35.0/43

All: 147.418 ± 93.801 χ^2/NDF : 97.3/89

- sign 189.375 ± 131.665 χ^2/NDF : 62.0/45

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: 686.933 $\pm$ 0.171 χ^2 /NDF: 1443142.6/22

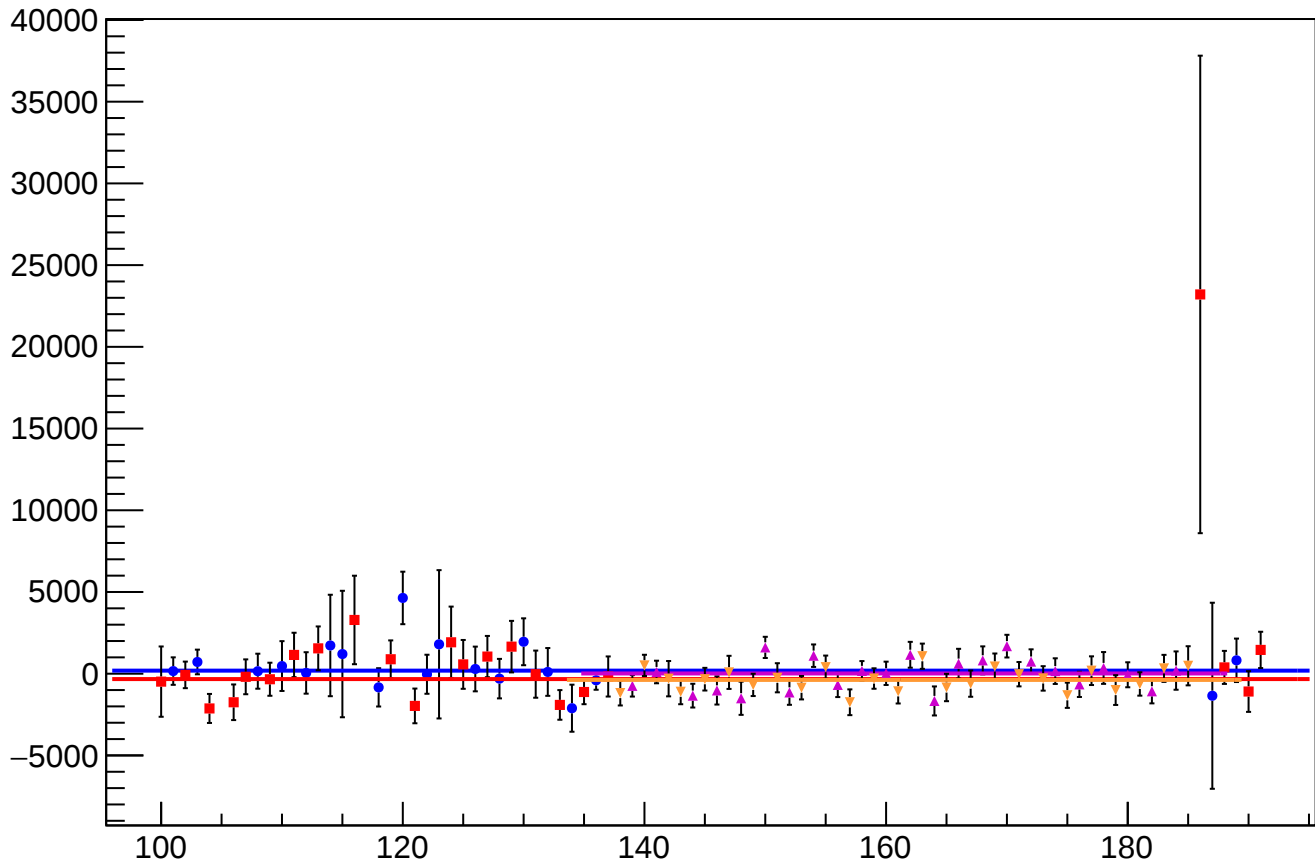
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 666.945 $\pm$ 0.095 χ^2 /NDF: 1249099.3/43

All: 664.247 $\pm$ 0.066 χ^2 /NDF: 3191334.3/89

- sign 661.629 $\pm$ 0.093 χ^2 /NDF: 1940629.8/45

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: -328.416 $\pm$ 243.585 χ^2 /NDF: 28.8/22

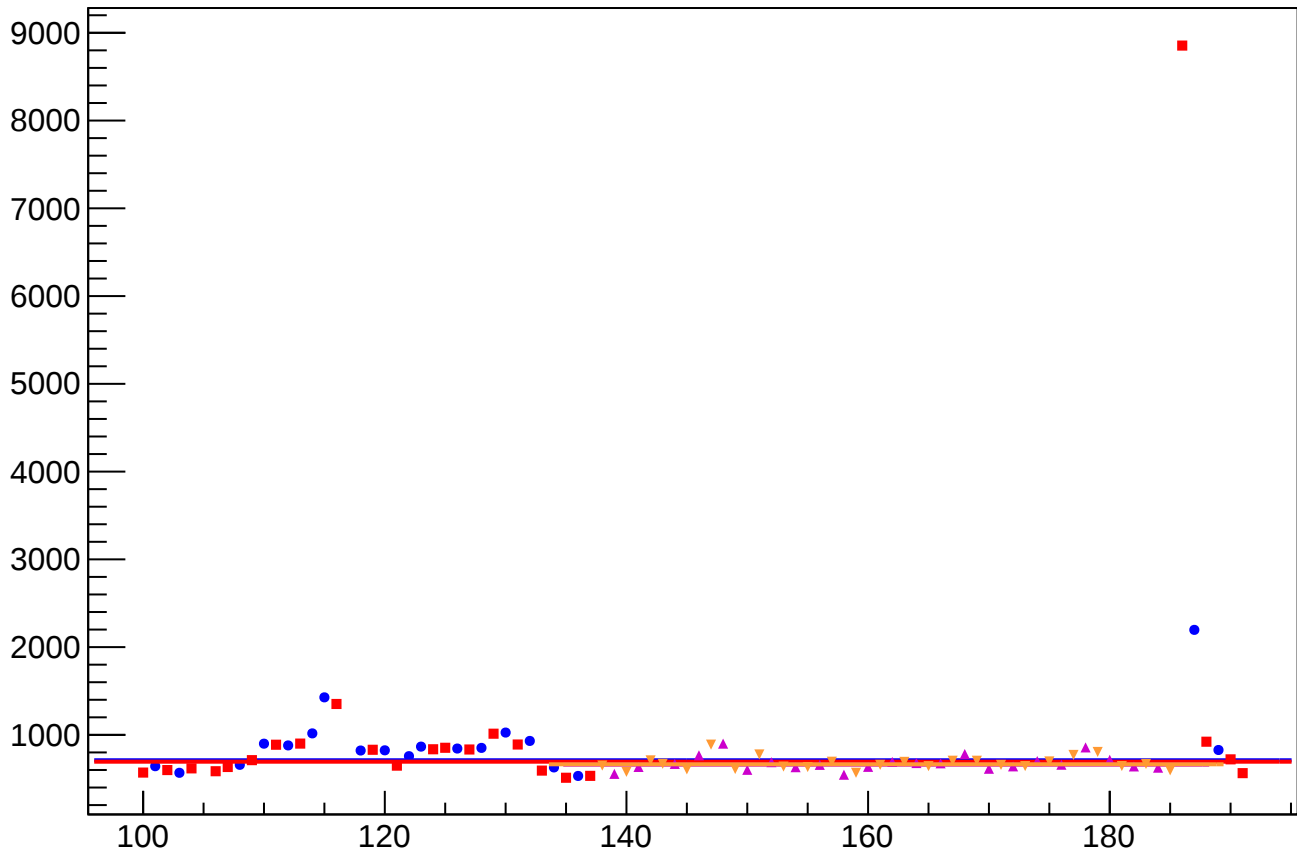
Left In: 14.768 $\pm$ 159.513 χ^2 /NDF:37.2/22

+ sign -240.379 $\pm$ 135.438 χ^2 /NDF: 37.1/43

All: -163.178 $\pm$ 95.057 χ^2 /NDF: 105.1/89

- sign -88.232 $\pm$ 133.446 χ^2 /NDF: 67.4/45

asym_sam_15_dd_rms vs Slug



Right In: 711.029 $\pm$ 0.193 χ^2 /NDF: 814292.6/18

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 694.481 $\pm$ 0.172 χ^2 /NDF: 1421060.0/22

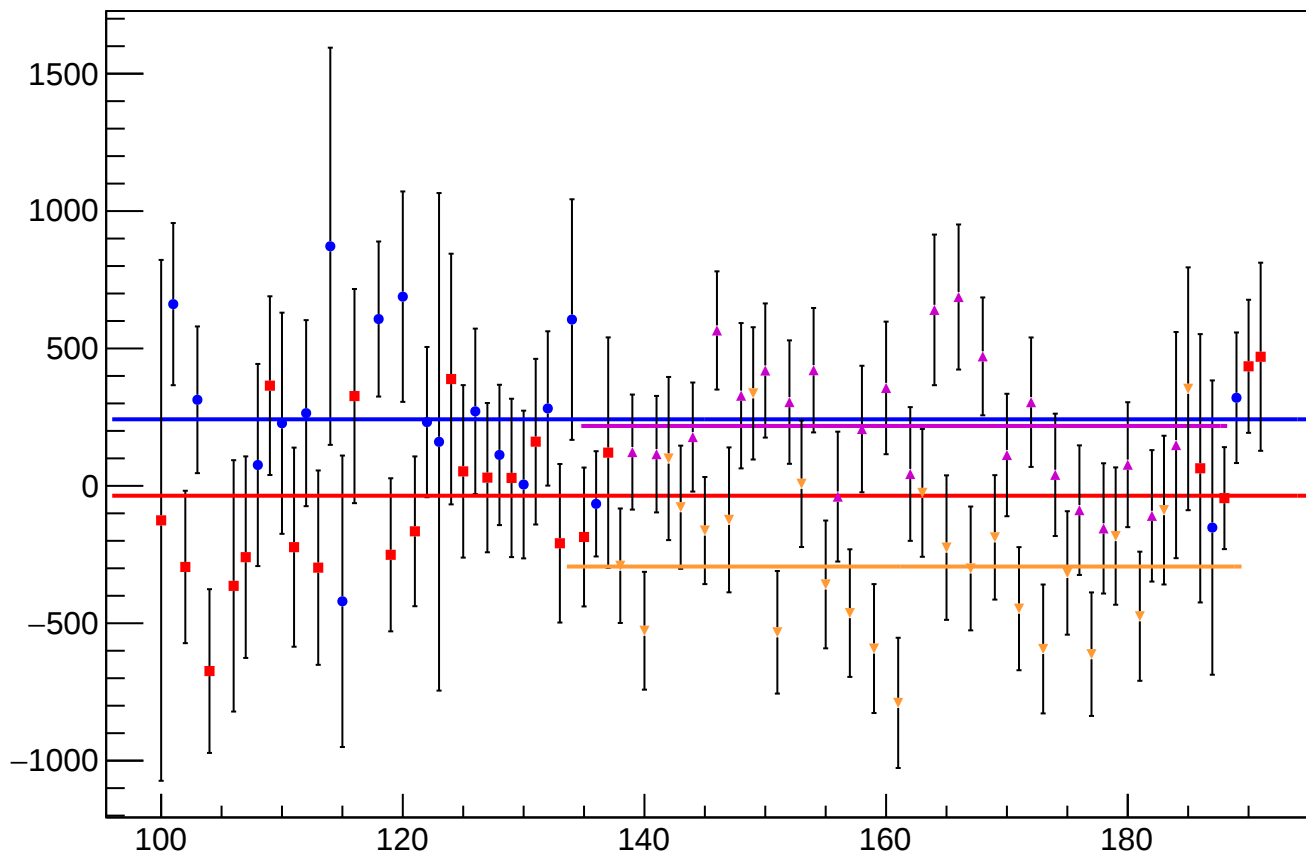
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 676.114 $\pm$ 0.096 χ^2 /NDF: 1214521.4/43

All: 673.505 $\pm$ 0.067 χ^2 /NDF: 3112843.4/89

- sign 670.972 $\pm$ 0.094 χ^2 /NDF: 1896859.2/45

reg_asym_sam_26_dd_mean vs Slug



Right In: 242.211 ± 71.822 χ^2/NDF : 12.6/18

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -35.878 ± 64.637 χ^2/NDF : 18.7/22

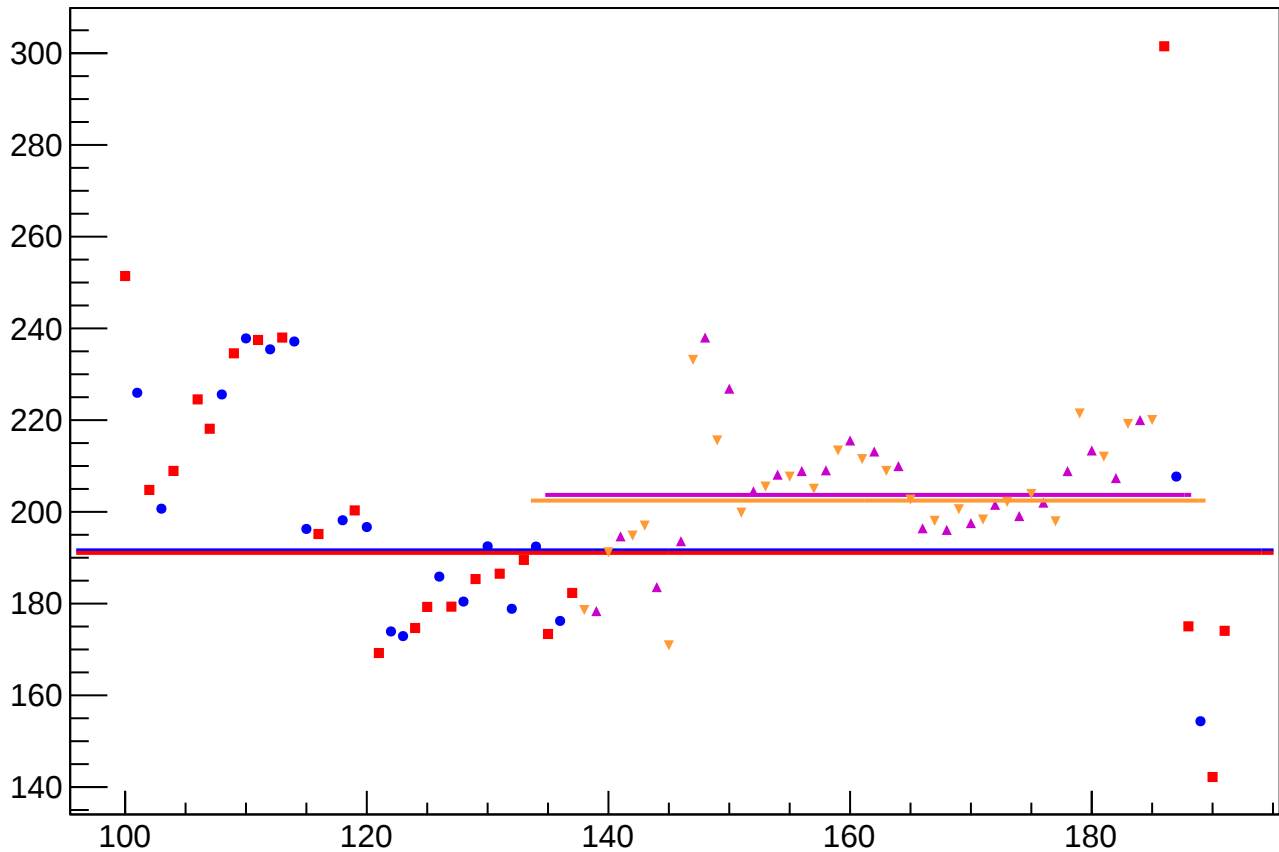
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -131.968 ± 39.446 χ^2/NDF : 81.8/43

All: -1.494 ± 27.718 χ^2/NDF : 153.3/89

- sign 125.759 ± 38.956 χ^2/NDF : 49.8/45

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: 191.059 $\pm$ 0.046 χ^2 /NDF: 385648.3/22

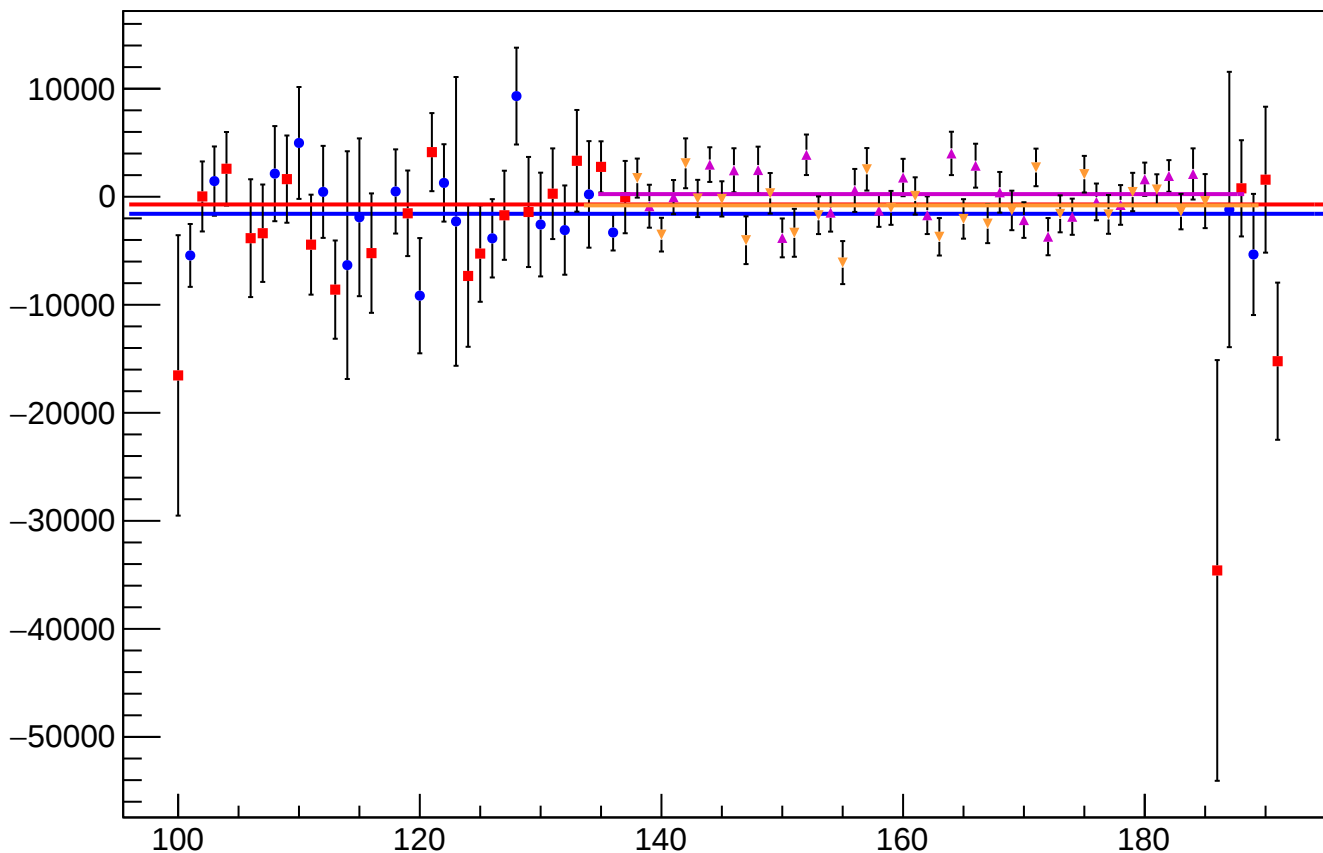
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 199.185 $\pm$ 0.028 χ^2 /NDF: 388222.3/43

All: 199.146 $\pm$ 0.020 χ^2 /NDF: 958770.8/89

- sign 199.107 $\pm$ 0.028 χ^2 /NDF: 570544.6/45

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: -712.554 ± 900.212 χ^2/NDF : 22.0/22

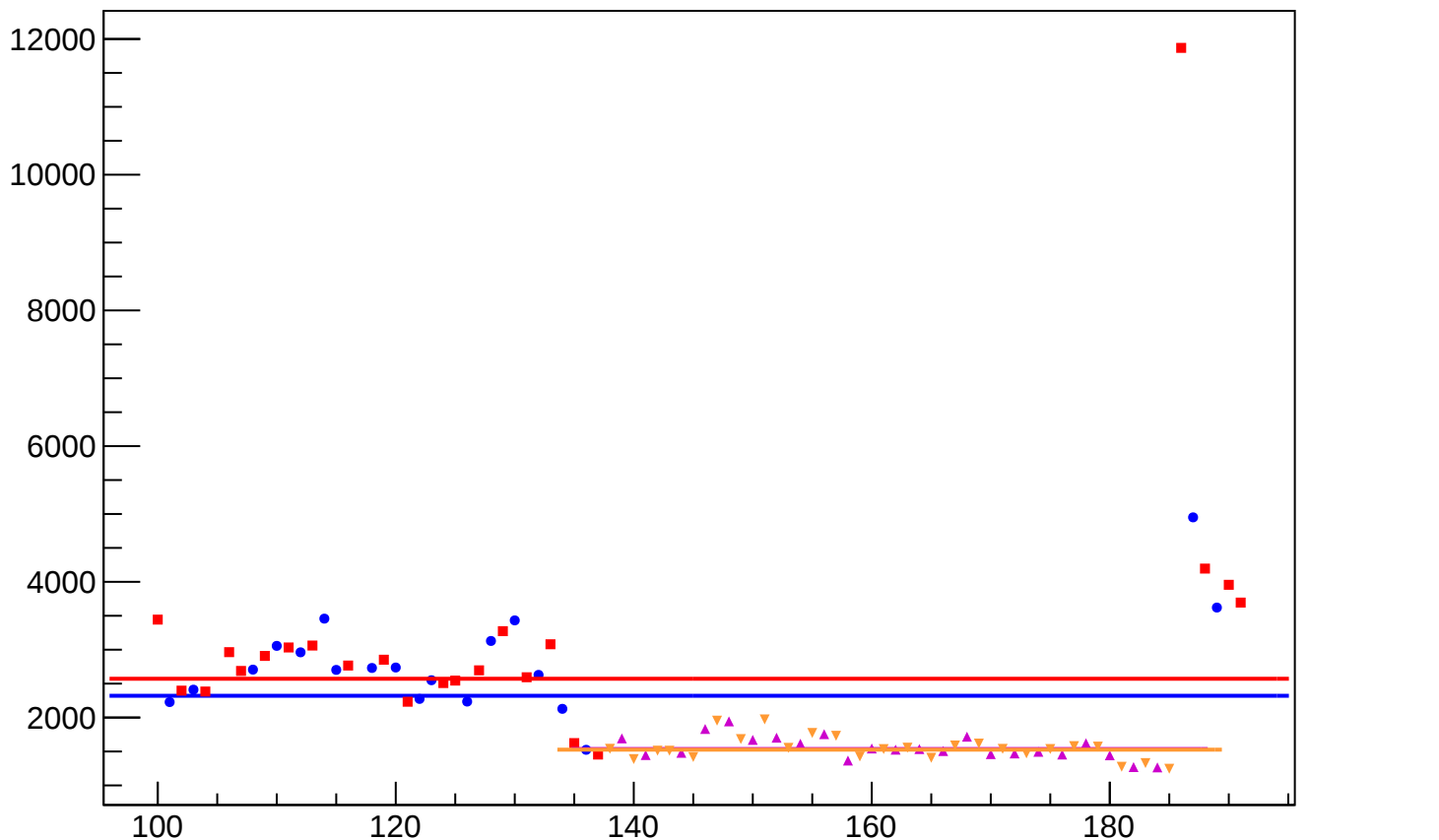
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -903.576 ± 332.452 χ^2/NDF : 52.9/43

All: -412.835 ± 238.417 χ^2/NDF : 116.0/89

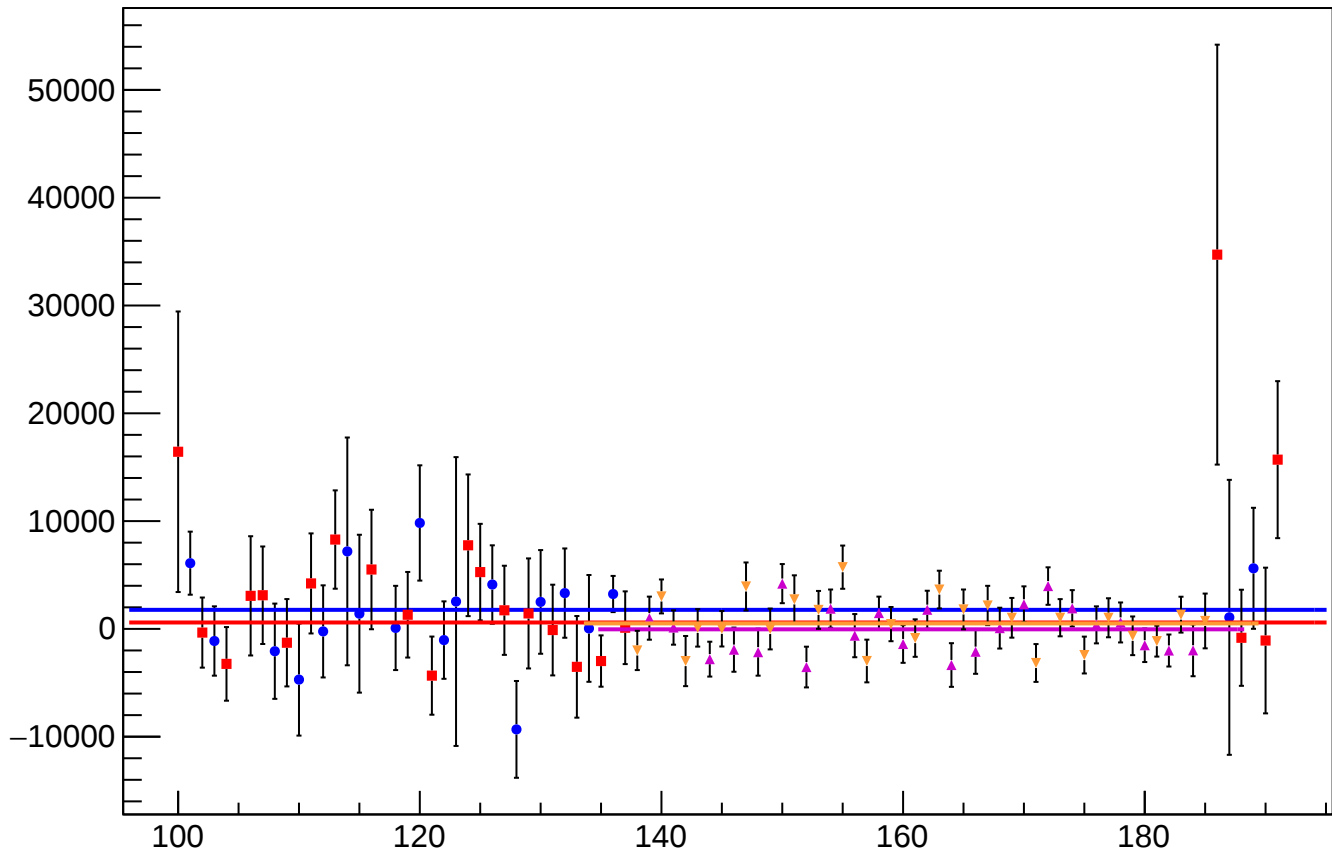
- sign 106.801 ± 342.100 χ^2/NDF : 58.7/45

asym_sam_26_dd_correction_rms vs Slug



Right In: 2320.865+/-0.635 χ^2/NDF : 1005067.2/18
 Left Out: 1526.712+/-0.253 χ^2/NDF : 394892.7/24 + sign 1635.443+/-0.235 χ^2/NDF : 2748571.1/43
 Right Out: 2571.784+/-0.637 χ^2/NDF : 1579970.3/22 All: 1660.020+/-0.169 χ^2/NDF : 6964448.8/89
 Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22 - sign 1686.044+/-0.242 χ^2/NDF : 4193374.2/45

asym_sam_26_dd_mean vs Slug



Right In: 1767.799 ± 902.343 χ^2/NDF : 16.9/18

Left Out: 507.982 ± 361.172 χ^2/NDF : 35.4/24

Right Out: 594.546 ± 903.667 χ^2/NDF : 22.7/22

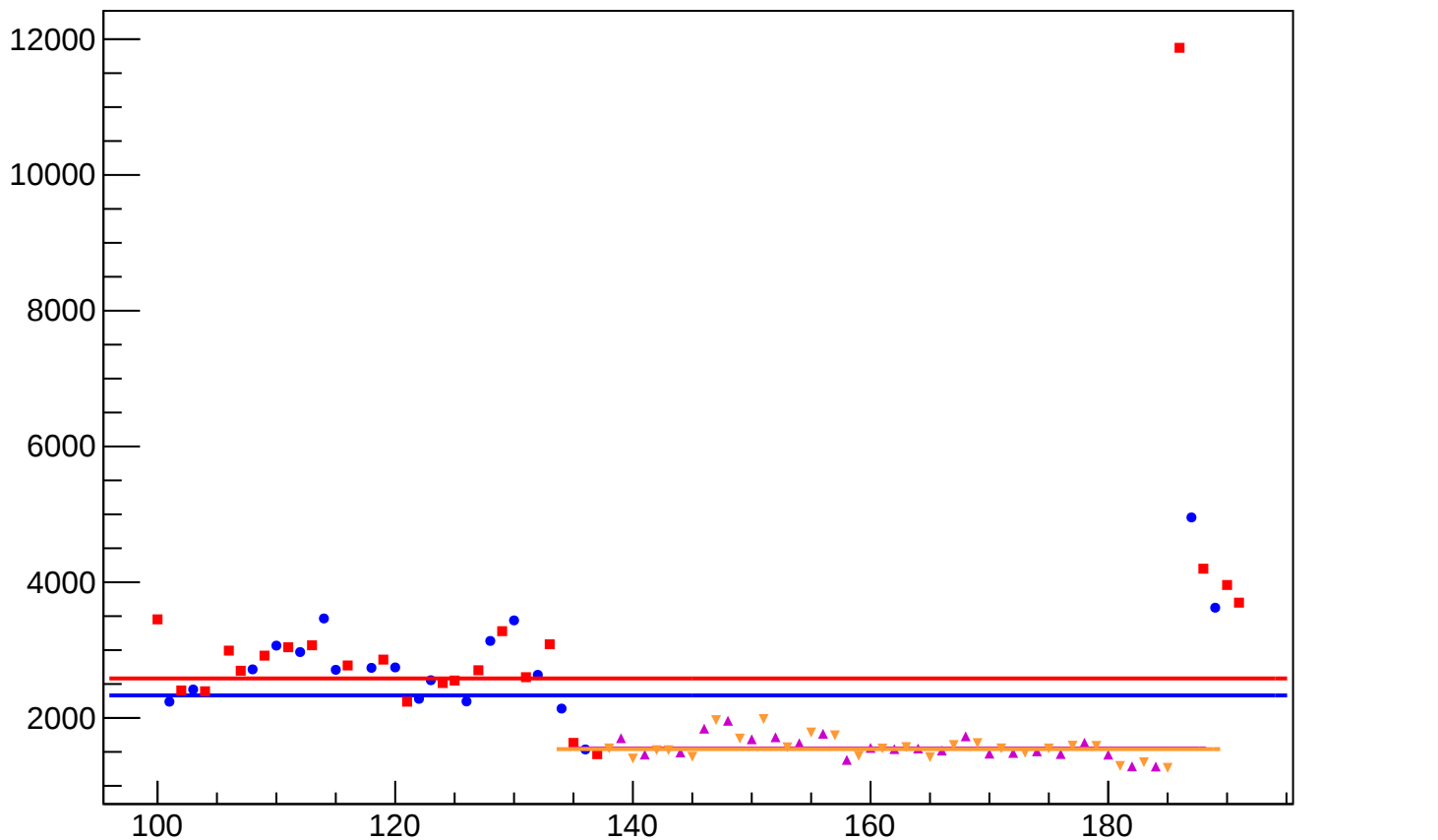
Left In: -40.080 ± 373.261 χ^2/NDF : 33.6/22

+ sign 681.944 ± 335.310 χ^2/NDF : 54.0/43

All: 376.135 ± 240.449 χ^2/NDF : 112.3/89

- sign 52.415 ± 344.990 χ^2/NDF : 56.7/45

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: 2582.317 $\pm$ 0.639 χ^2/NDF : 1566615.8/22

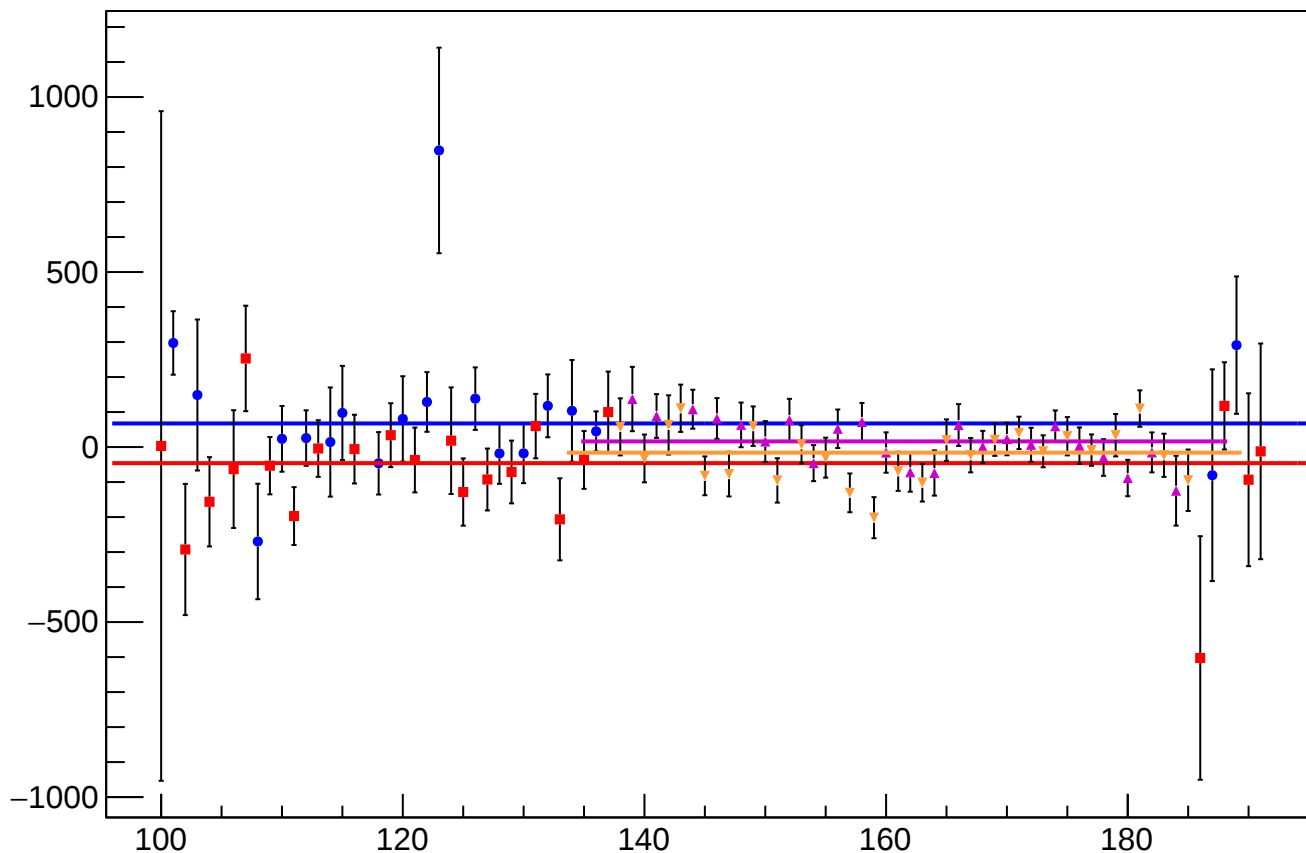
Left In: 1551.063 $\pm$ 0.264 χ^2/NDF : 338898.9/22

+ sign 1650.475 $\pm$ 0.237 χ^2/NDF : 2697748.5/43

All: 1675.196 $\pm$ 0.170 χ^2/NDF : 6850646.1/89

- sign 1701.364 $\pm$ 0.244 χ^2/NDF : 4130519.8/45

reg_asym_sam_37_dd_mean vs Slug



Right In: 67.456 ± 23.549 χ^2/NDF : 25.3/18

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -45.931 ± 23.093 χ^2/NDF : 21.4/22

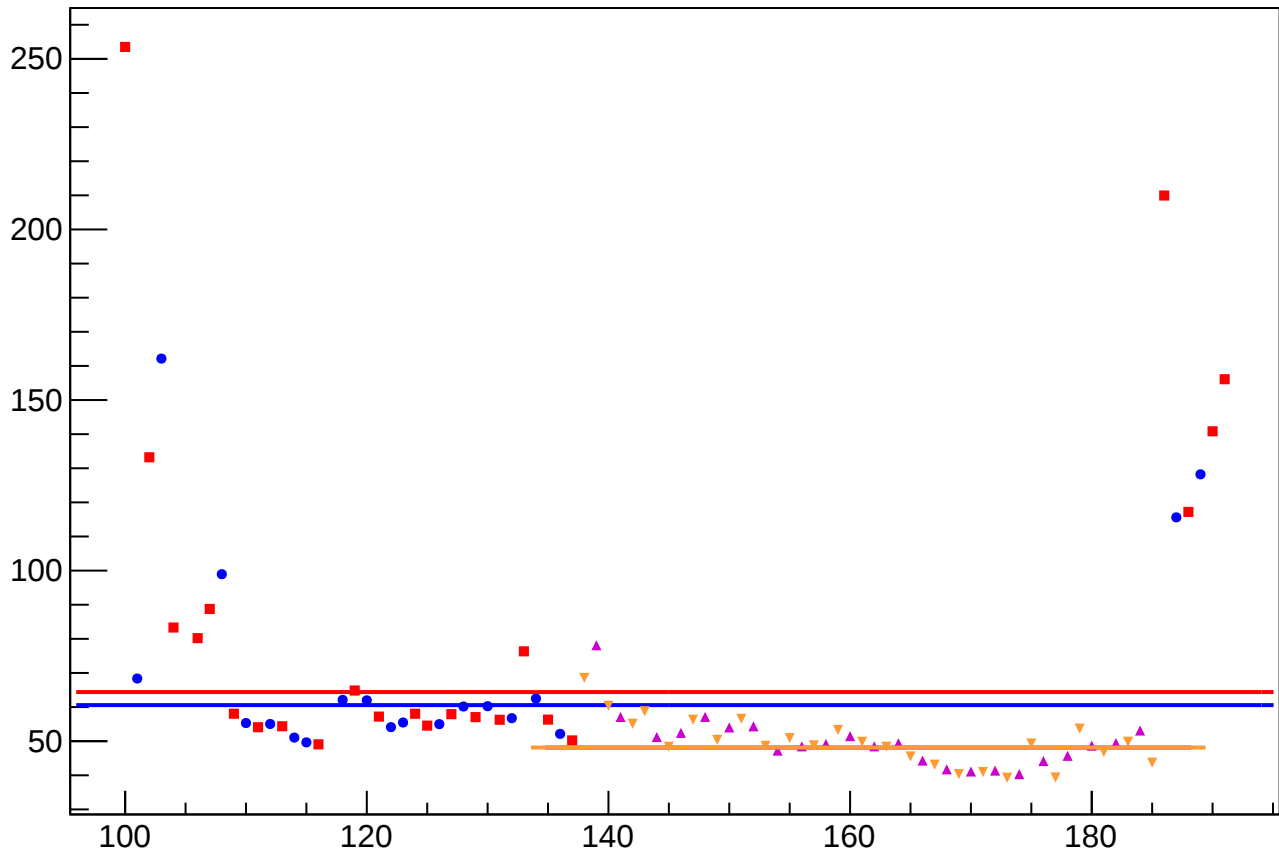
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -0.331 ± 10.217 χ^2/NDF : 75.2/43

All: 1.583 ± 7.289 χ^2/NDF : 127.7/89

- sign 3.566 ± 10.401 χ^2/NDF : 52.4/45

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: 64.398 $\pm$ 0.016 χ^2 /NDF: 1808219.0/22

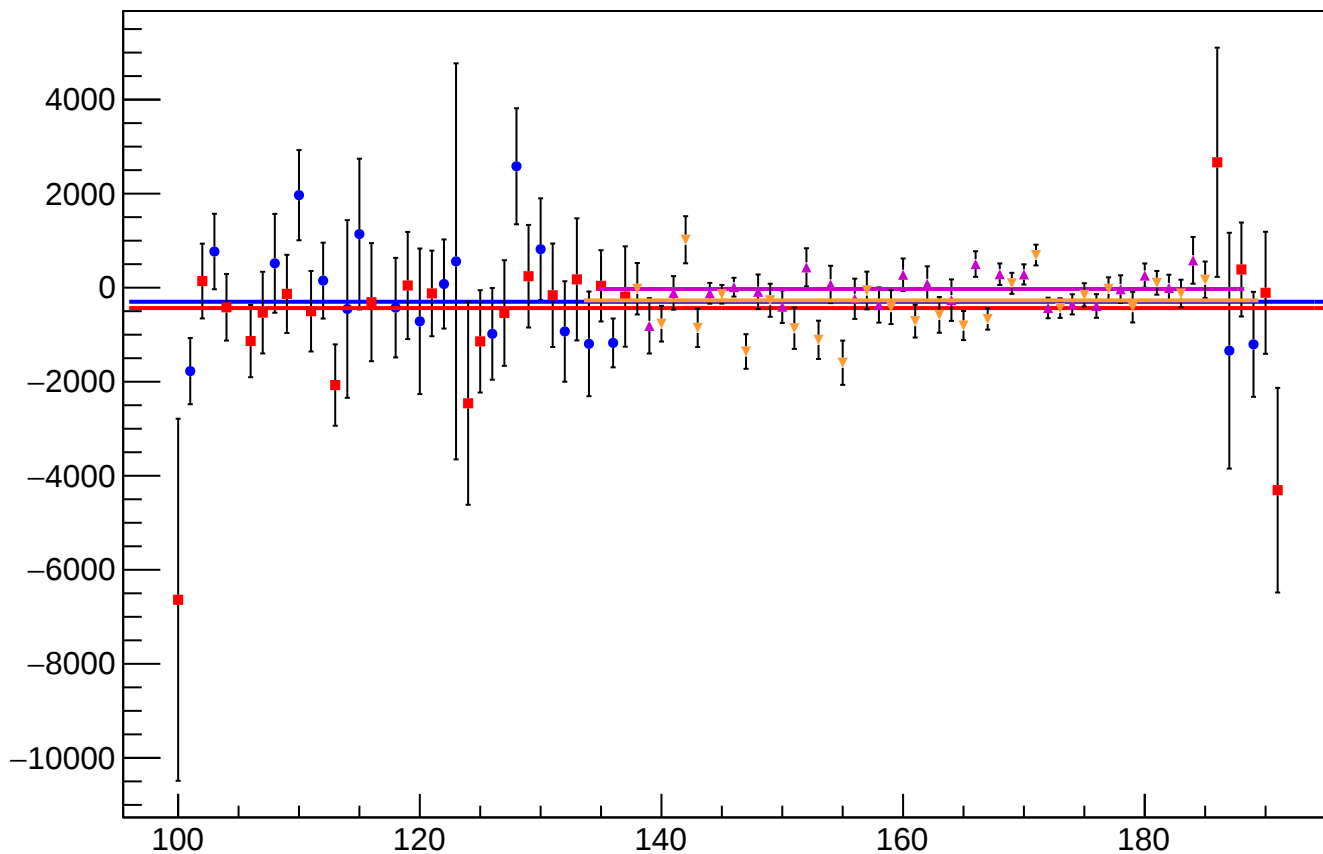
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 50.480 $\pm$ 0.007 χ^2 /NDF: 2083119.6/43

All: 50.950 $\pm$ 0.005 χ^2 /NDF: 5265264.9/89

- sign 51.437 $\pm$ 0.007 χ^2 /NDF: 3173531.0/45

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: -433.966 ± 212.622 χ^2/NDF : 15.9/22

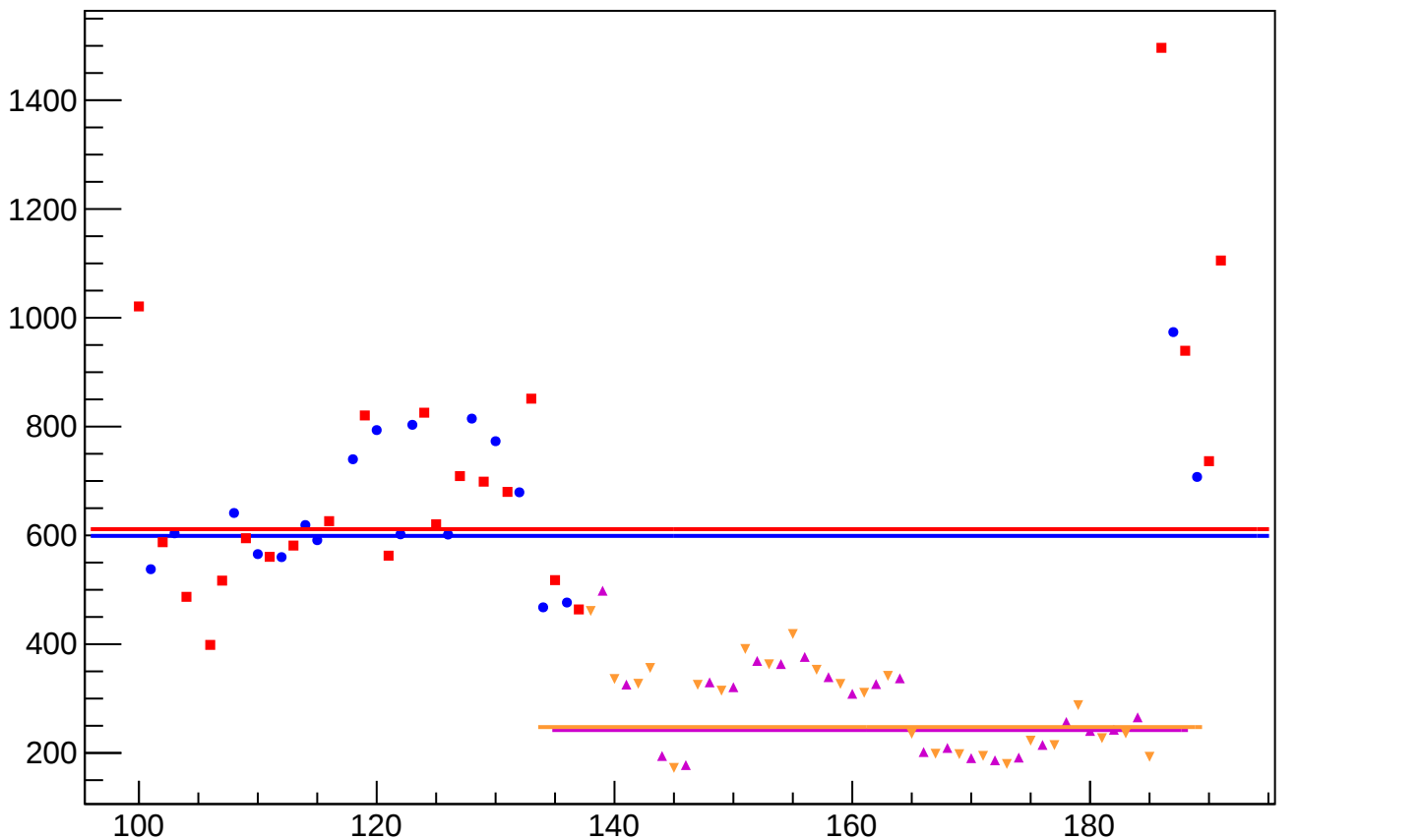
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -272.103 ± 58.193 χ^2/NDF : 95.5/43

All: -164.765 ± 41.126 χ^2/NDF : 146.7/89

- sign -57.668 ± 58.128 χ^2/NDF : 44.4/45

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: 611.495 $\pm$ 0.150 χ^2 /NDF: 1139676.8/22

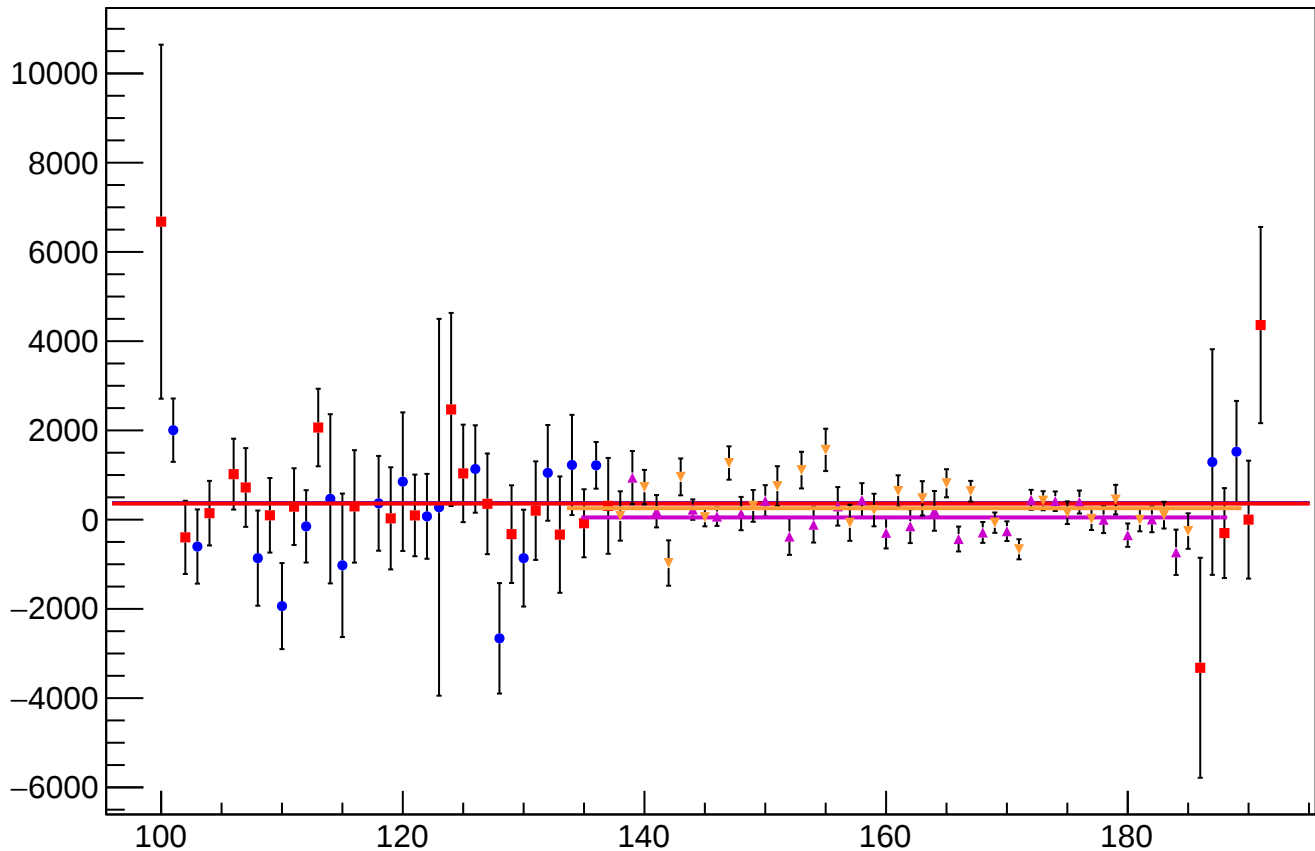
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 270.367 $\pm$ 0.041 χ^2 /NDF: 7630412.2/43

All: 270.045 $\pm$ 0.029 χ^2 /NDF: 16821293.3/89

- sign 269.724 $\pm$ 0.041 χ^2 /NDF: 9190758.9/45

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: 360.952 $\pm$ 215.067 χ^2 /NDF: 16.9/22

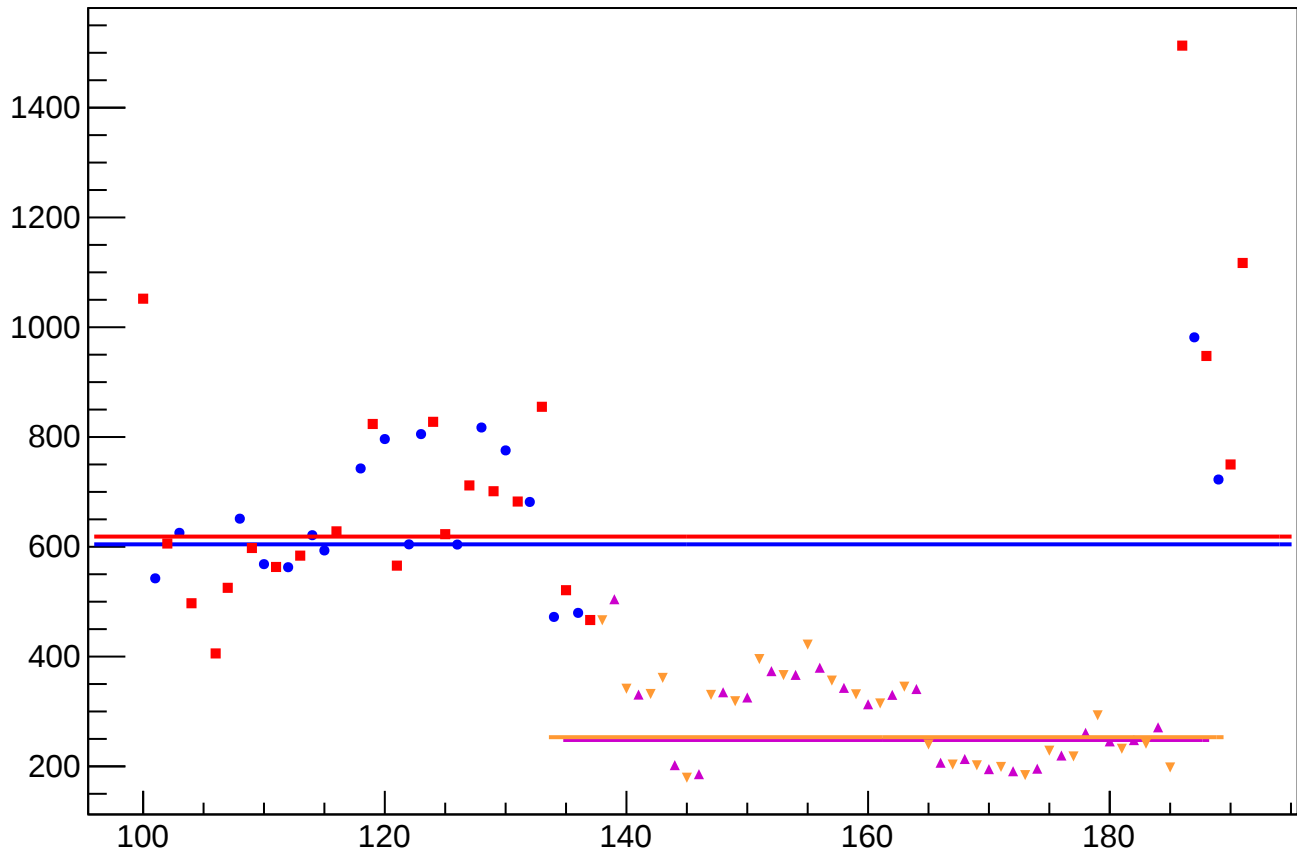
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF: 27.5/22

+ sign 263.564 $\pm$ 59.348 χ^2 /NDF: 91.6/43

All: 168.606 $\pm$ 41.977 χ^2 /NDF: 143.0/89

- sign 73.549 $\pm$ 59.380 χ^2 /NDF: 46.3/45

asym_sam_37_dd_rms vs Slug



Right In: 604.483+/-0.163 χ^2/NDF : 424488.1/18

Left Out: 253.137+/-0.043 χ^2/NDF : 2665975.8/24

Right Out: 618.613+/-0.152 χ^2/NDF : 1118732.4/22

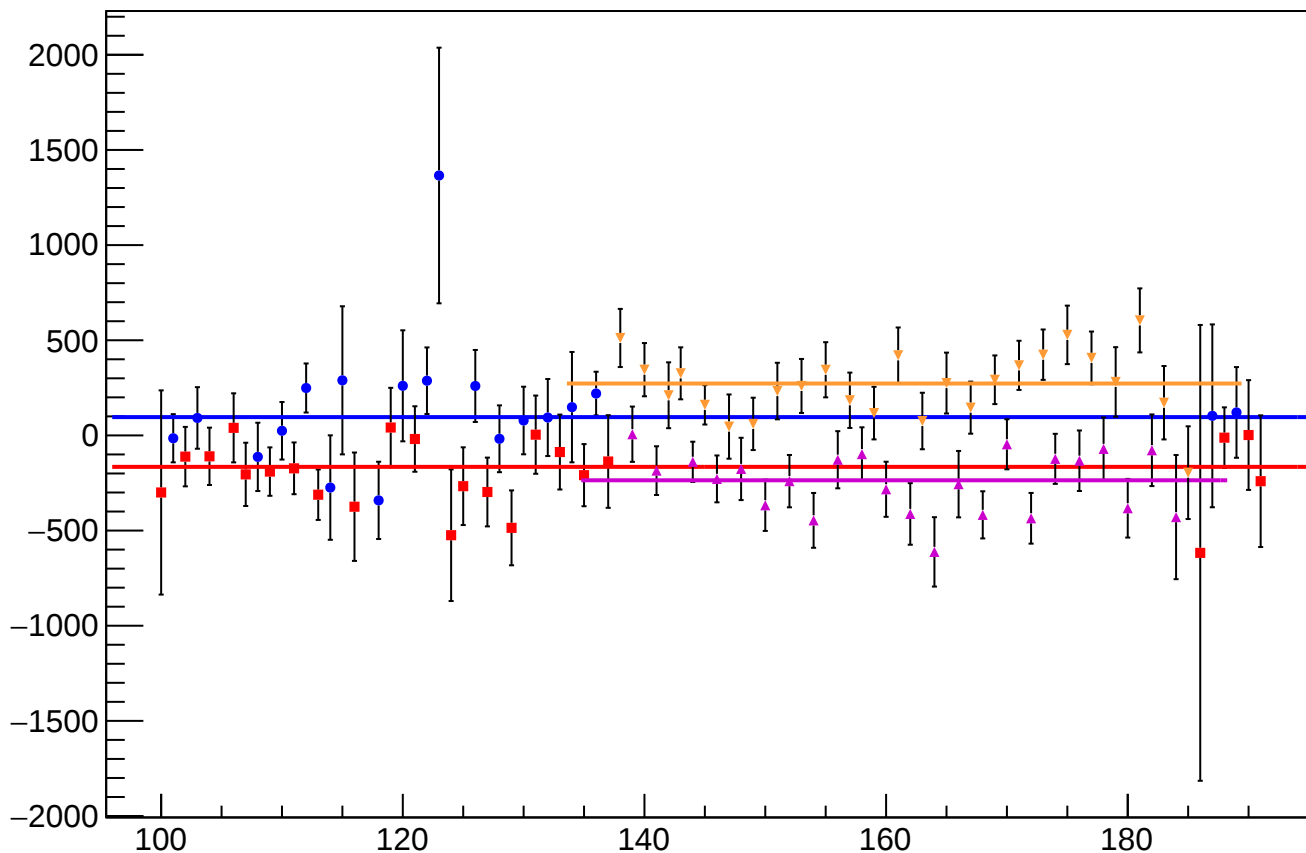
Left In: 248.069+/-0.044 χ^2/NDF : 2343295.0/22

+ sign 276.421+/-0.042 χ^2/NDF : 7427907.9/43

All: 276.368+/-0.030 χ^2/NDF : 16374319.1/89

- sign 276.315+/-0.042 χ^2/NDF : 8946408.0/45

reg_asym_sam_48_dd_mean vs Slug



Right In: 96.186 $\pm$ 42.527 χ^2 /NDF: 17.9/18

Left Out: 272.684 $\pm$ 29.221 χ^2 /NDF: 27.4/24

Right Out: -165.219 $\pm$ 39.220 χ^2 /NDF: 12.0/22

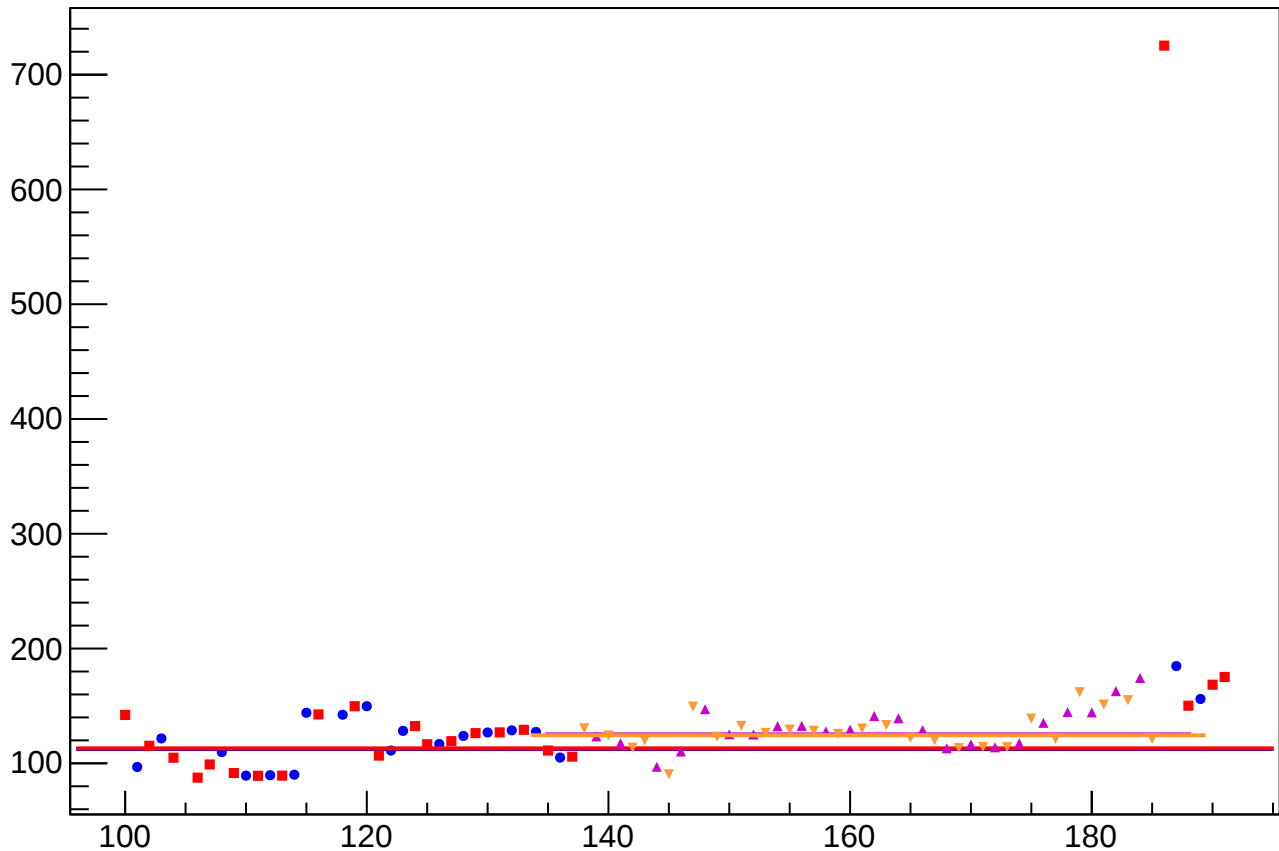
Left In: -235.801 $\pm$ 30.232 χ^2 /NDF: 24.6/22

+ sign 216.078 $\pm$ 24.084 χ^2 /NDF: 57.1/43

All: 2.052 $\pm$ 16.980 χ^2 /NDF: 252.8/89

- sign -209.494 $\pm$ 23.944 χ^2 /NDF: 38.7/45

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: 113.007+/-0.028 χ^2/NDF : 1148625.1/22

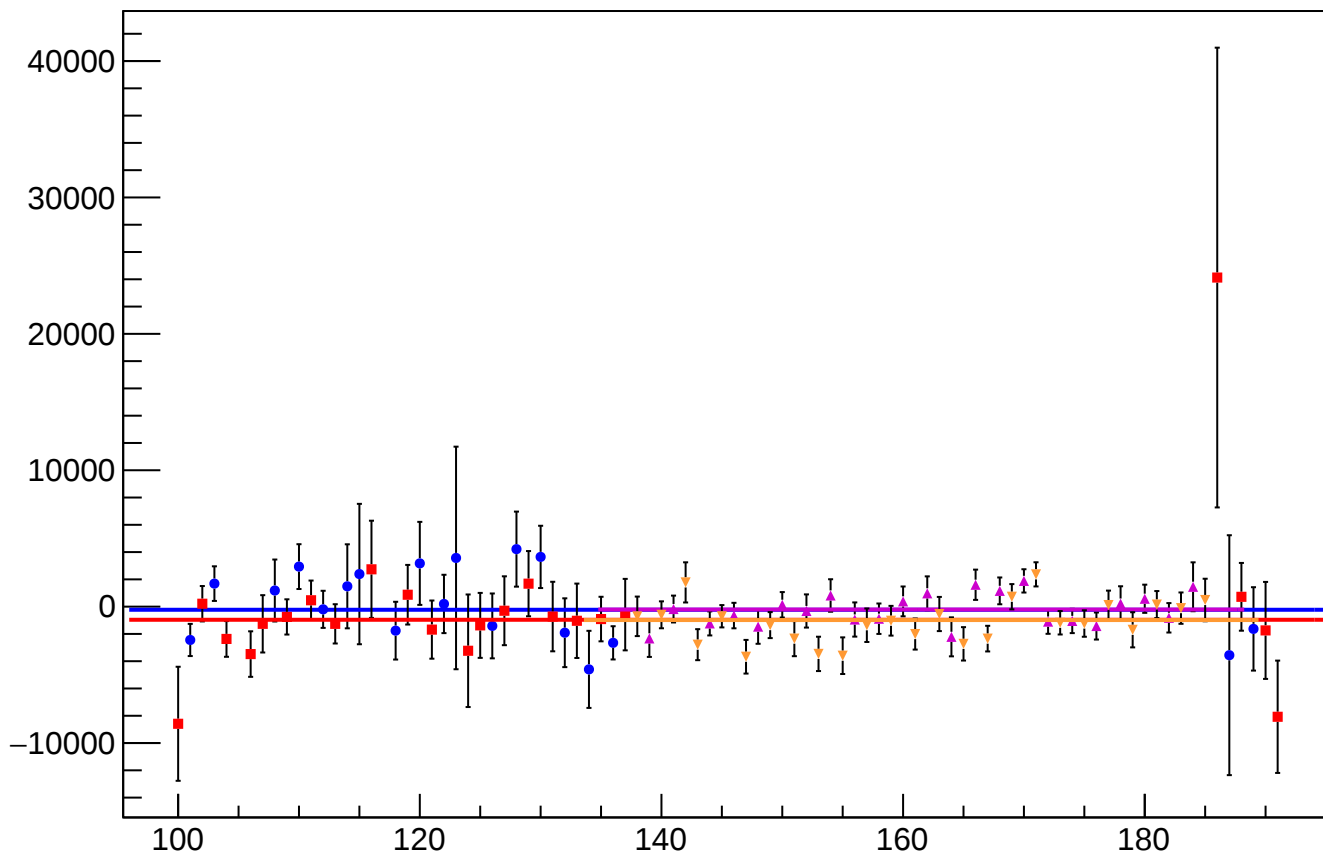
Left In: 125.205+/-0.021 χ^2/NDF : 501388.2/22

+ sign 120.595+/-0.017 χ^2/NDF : 1059638.8/43

All: 120.627+/-0.012 χ^2/NDF : 2831008.7/89

- sign 120.659+/-0.017 χ^2/NDF : 1771362.8/45

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: -962.581 ± 423.763 χ^2/NDF : 17.9/22

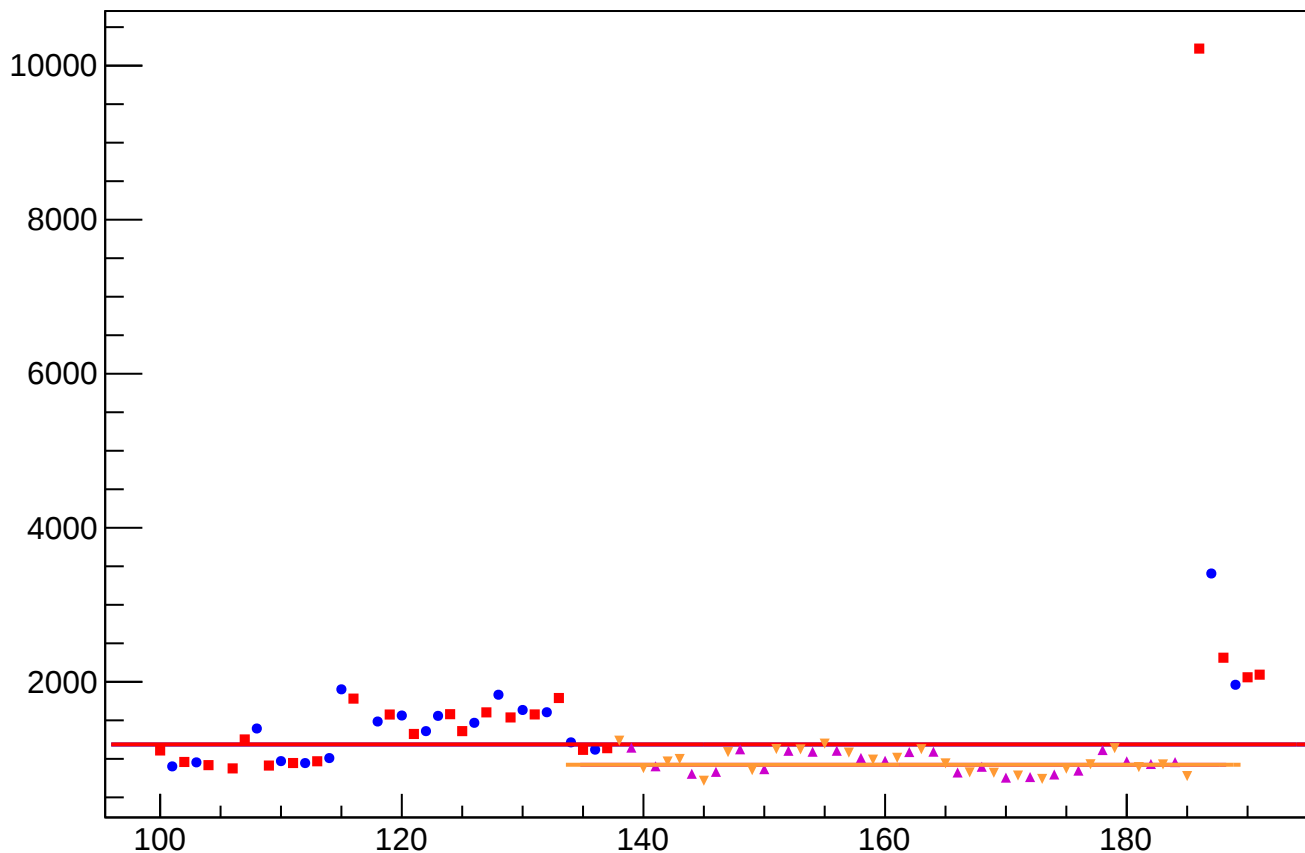
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -844.410 ± 196.997 χ^2/NDF : 74.8/43

All: -610.192 ± 139.493 χ^2/NDF : 123.7/89

- sign -374.663 ± 197.548 χ^2/NDF : 46.0/45

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

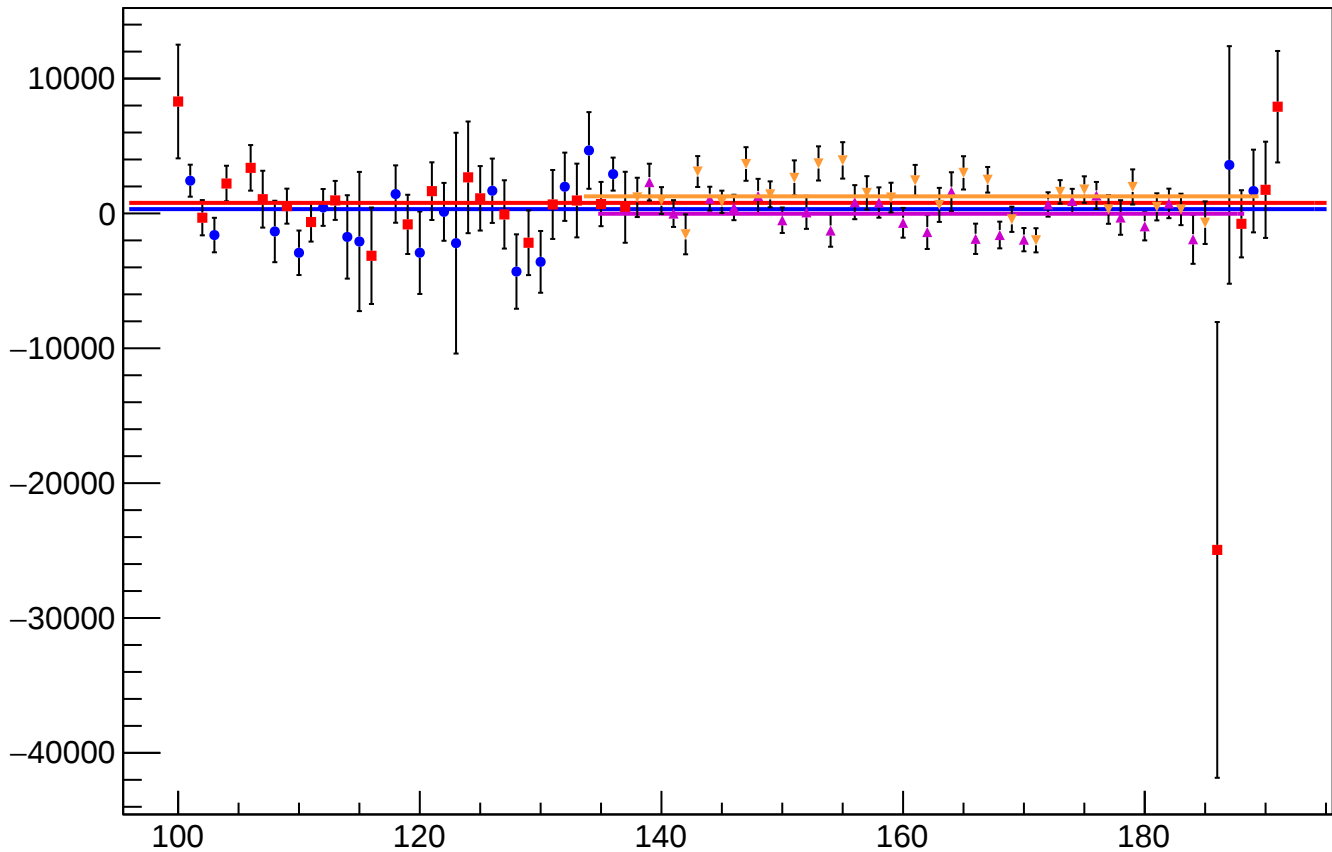
Right Out: 1187.875 $\pm$ 0.300 χ^2 /NDF: 2014264.3/22

All: 975.854 $\pm$ 0.099 χ^2 /NDF: 5603508.5/89

Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

- sign 979.972 $\pm$ 0.140 χ^2 /NDF: 3264040.8/45

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: 781.953 ± 426.019 χ^2/NDF : 18.0/22

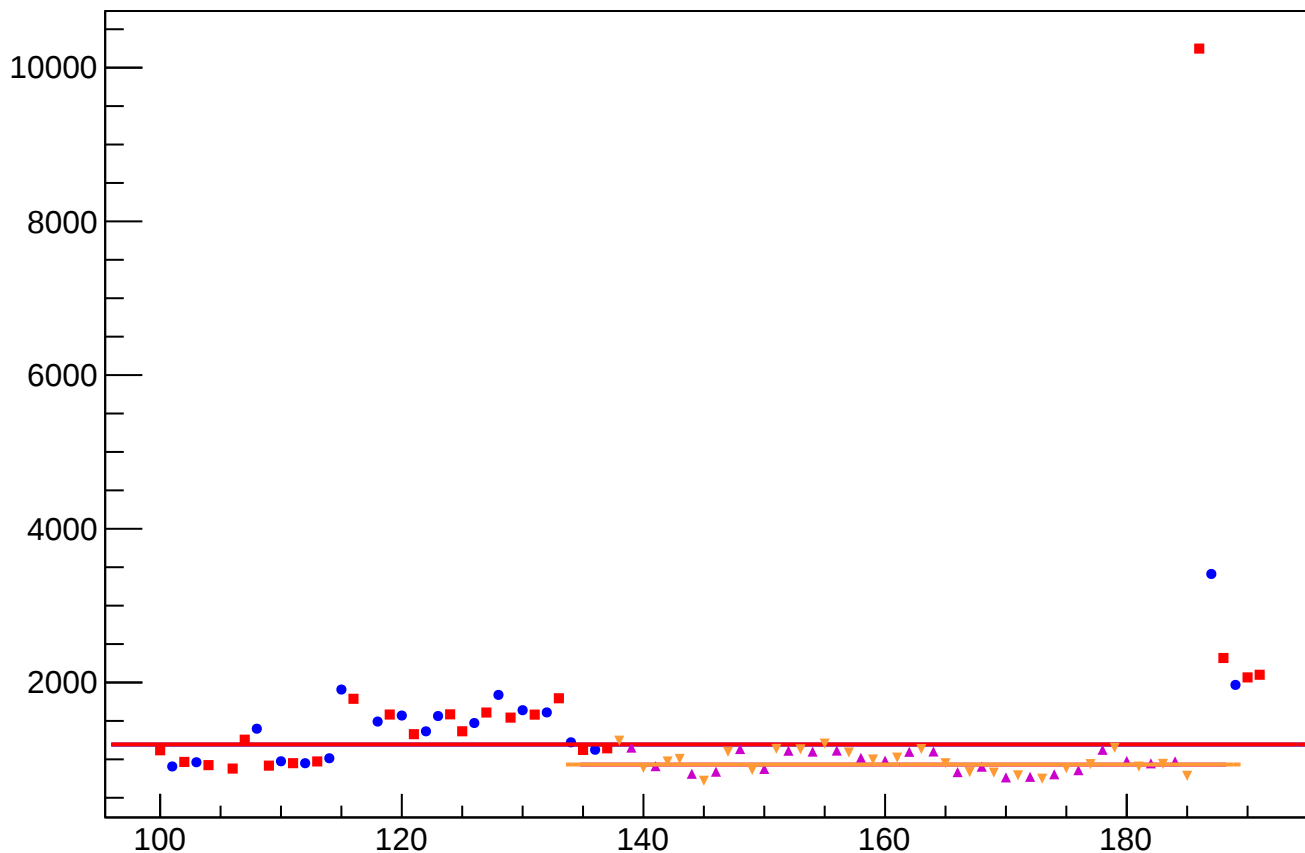
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1091.793 ± 198.731 χ^2/NDF : 74.0/43

All: 623.621 ± 140.723 χ^2/NDF : 133.1/89

- sign 152.786 ± 199.295 χ^2/NDF : 47.9/45

asym_sam_48_dd_rms vs Slug



Right In: 1192.145 $\pm$ 0.327 χ^2 /NDF: 956451.0/18

Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24

Right Out: 1194.304 $\pm$ 0.301 χ^2 /NDF: 2004120.4/22

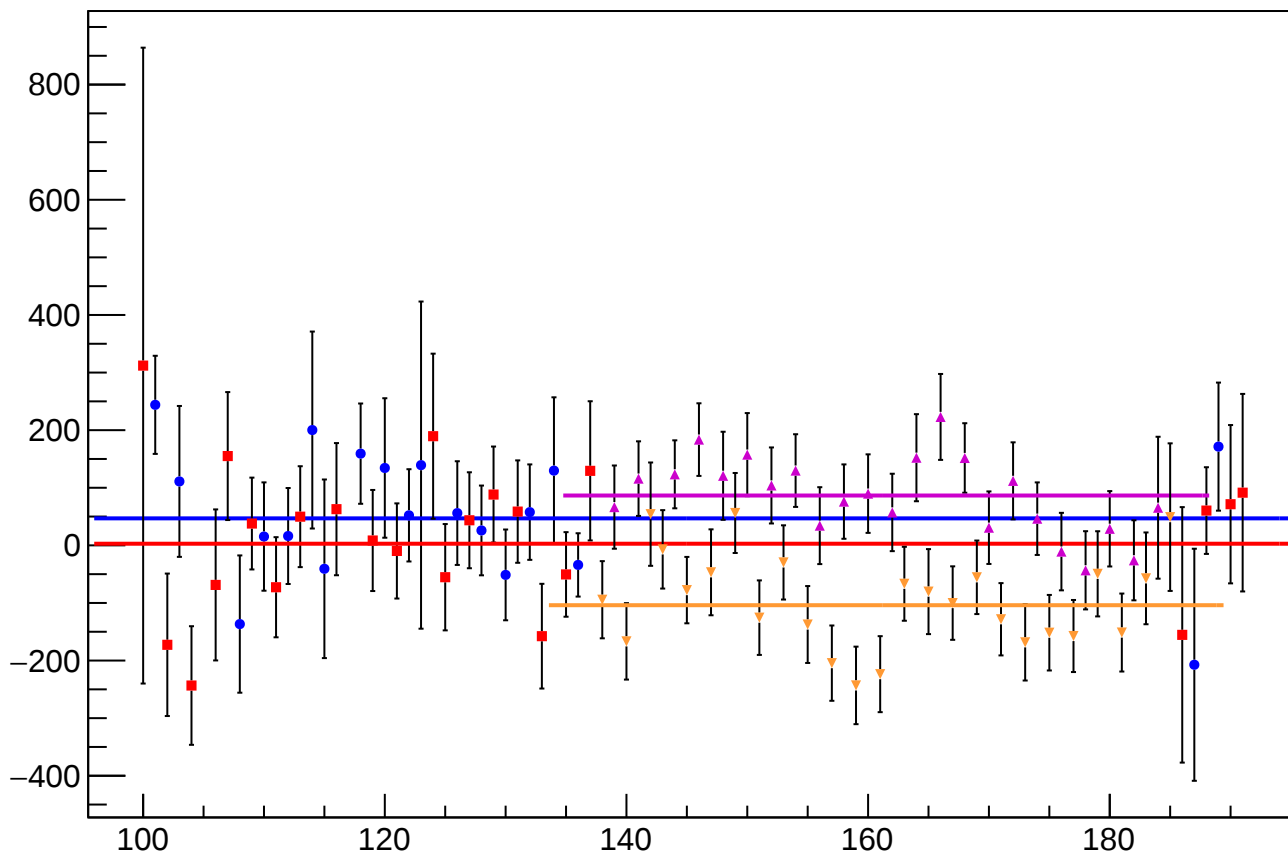
Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

+ sign 980.749 $\pm$ 0.141 χ^2 /NDF: 2299942.5/43

All: 984.866 $\pm$ 0.100 χ^2 /NDF: 5524782.0/89

- sign 989.007 $\pm$ 0.141 χ^2 /NDF: 3223117.6/45

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: 2.844 ± 20.787 χ^2/NDF : 21.9/22

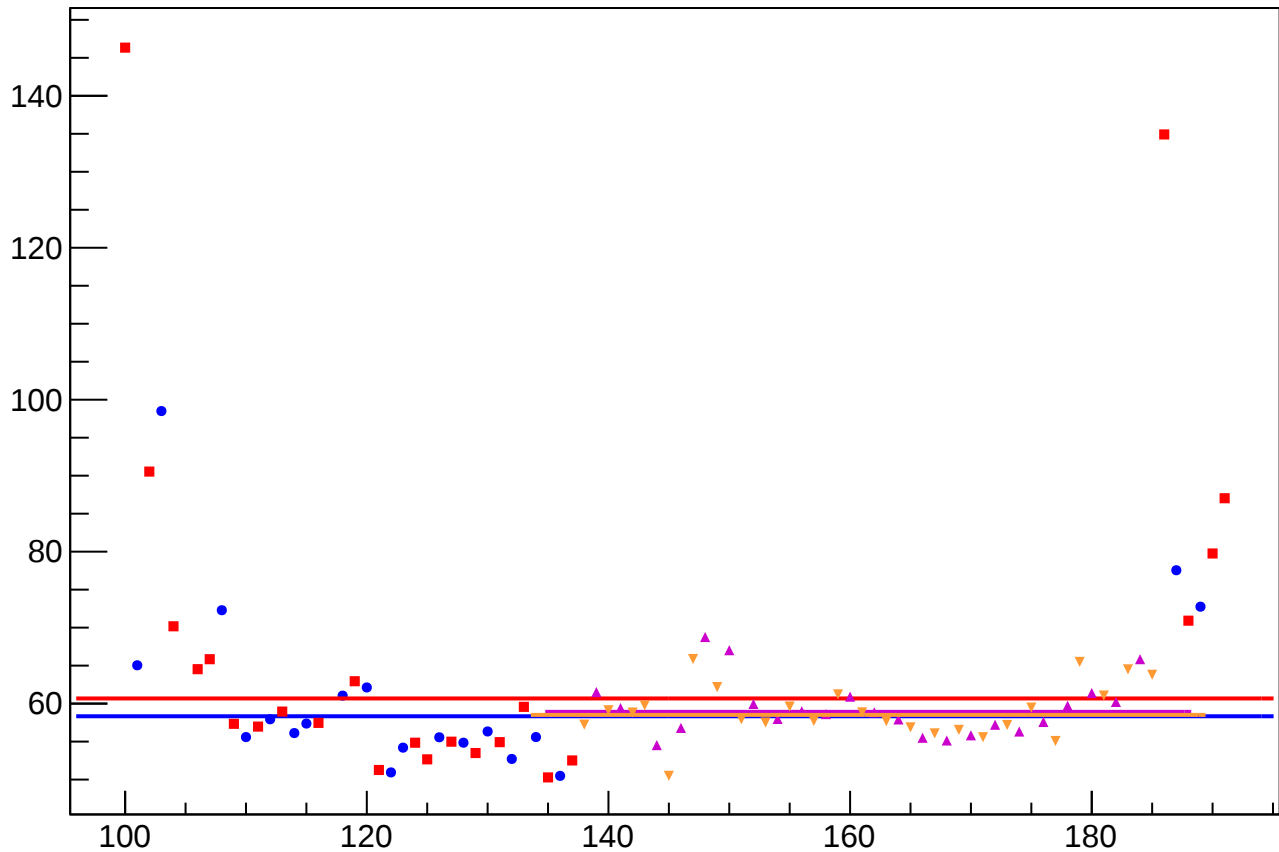
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -62.102 ± 11.598 χ^2/NDF : 82.5/43

All: -1.424 ± 8.230 χ^2/NDF : 192.0/89

- sign 60.117 ± 11.680 χ^2/NDF : 54.4/45

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.334 $\pm$ 0.016 χ^2/NDF : 361310.6/18

Left Out: 58.513 $\pm$ 0.010 χ^2/NDF : 123221.6/24

Right Out: 60.677 $\pm$ 0.015 χ^2/NDF : 671953.6/22

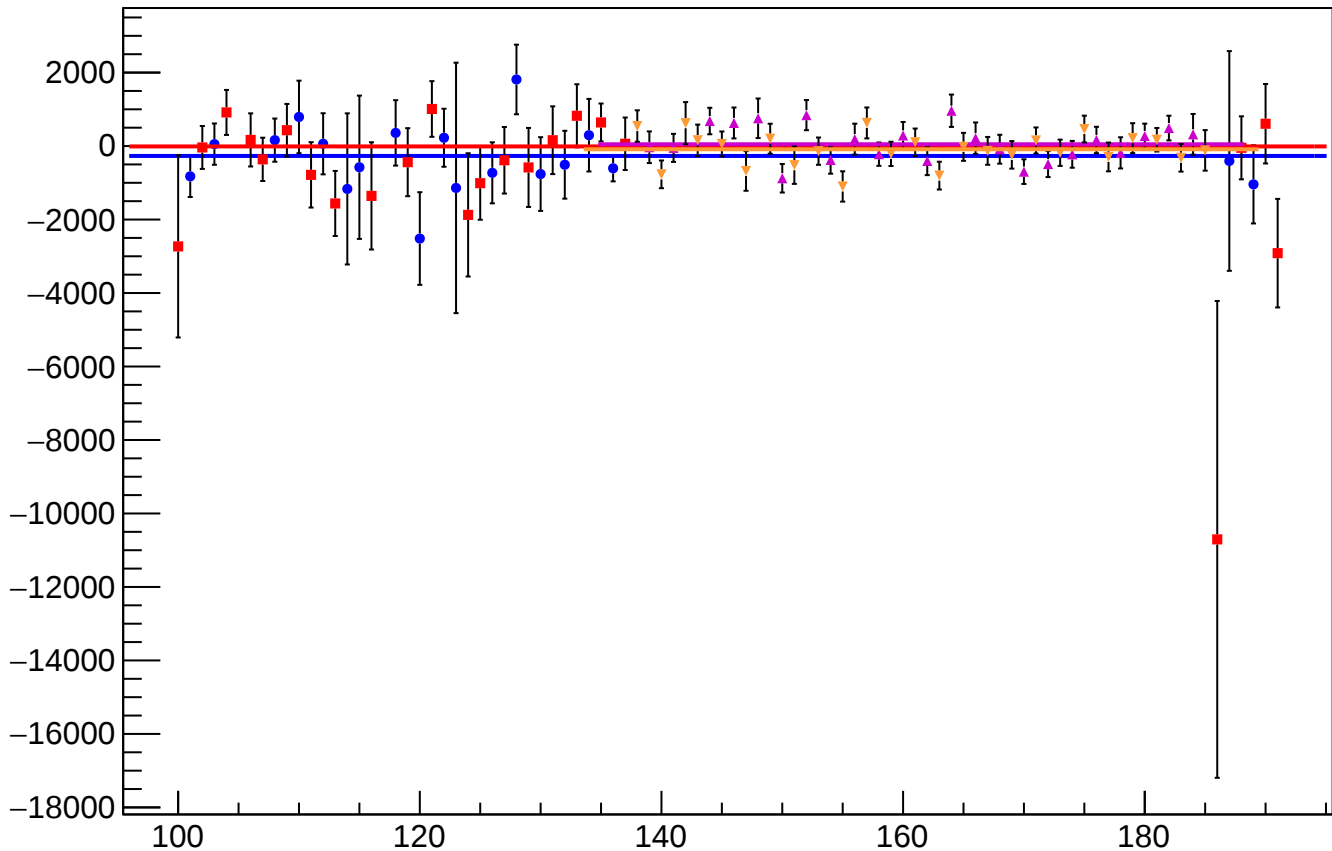
Left In: 58.913 $\pm$ 0.010 χ^2/NDF : 109968.0/22

+ sign 58.463 $\pm$ 0.008 χ^2/NDF : 484627.7/43

All: 58.963 $\pm$ 0.006 χ^2/NDF : 1283888.5/89

- sign 59.470 $\pm$ 0.008 χ^2/NDF : 791775.7/45

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: -9.705 ± 174.509 χ^2/NDF : 23.2/22

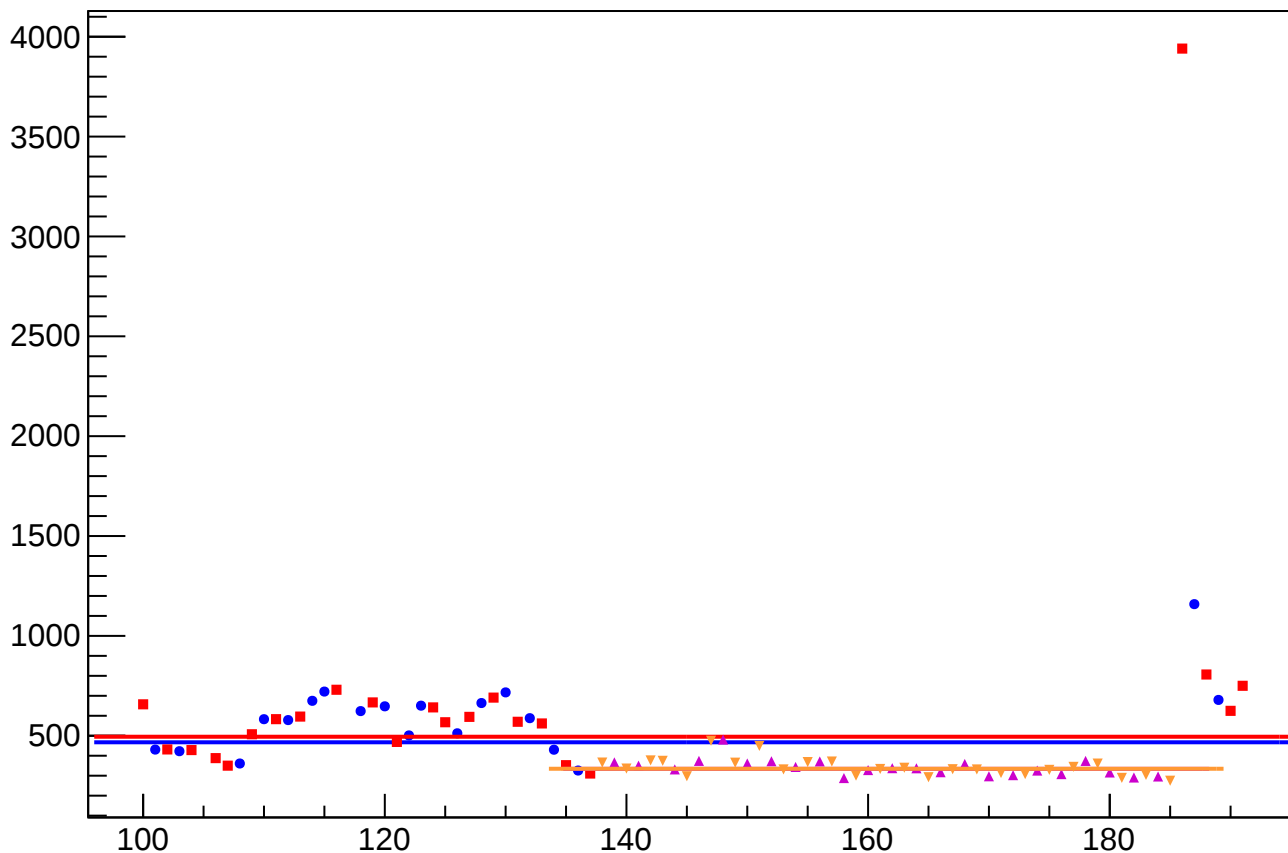
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -116.120 ± 72.085 χ^2/NDF : 43.3/43

All: -39.937 ± 51.338 χ^2/NDF : 104.2/89

- sign 38.477 ± 73.133 χ^2/NDF : 58.6/45

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 467.237+/-0.128 χ^2/NDF : 1070636.9/18

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

Right Out: 495.078+/-0.123 χ^2/NDF : 1733899.9/22

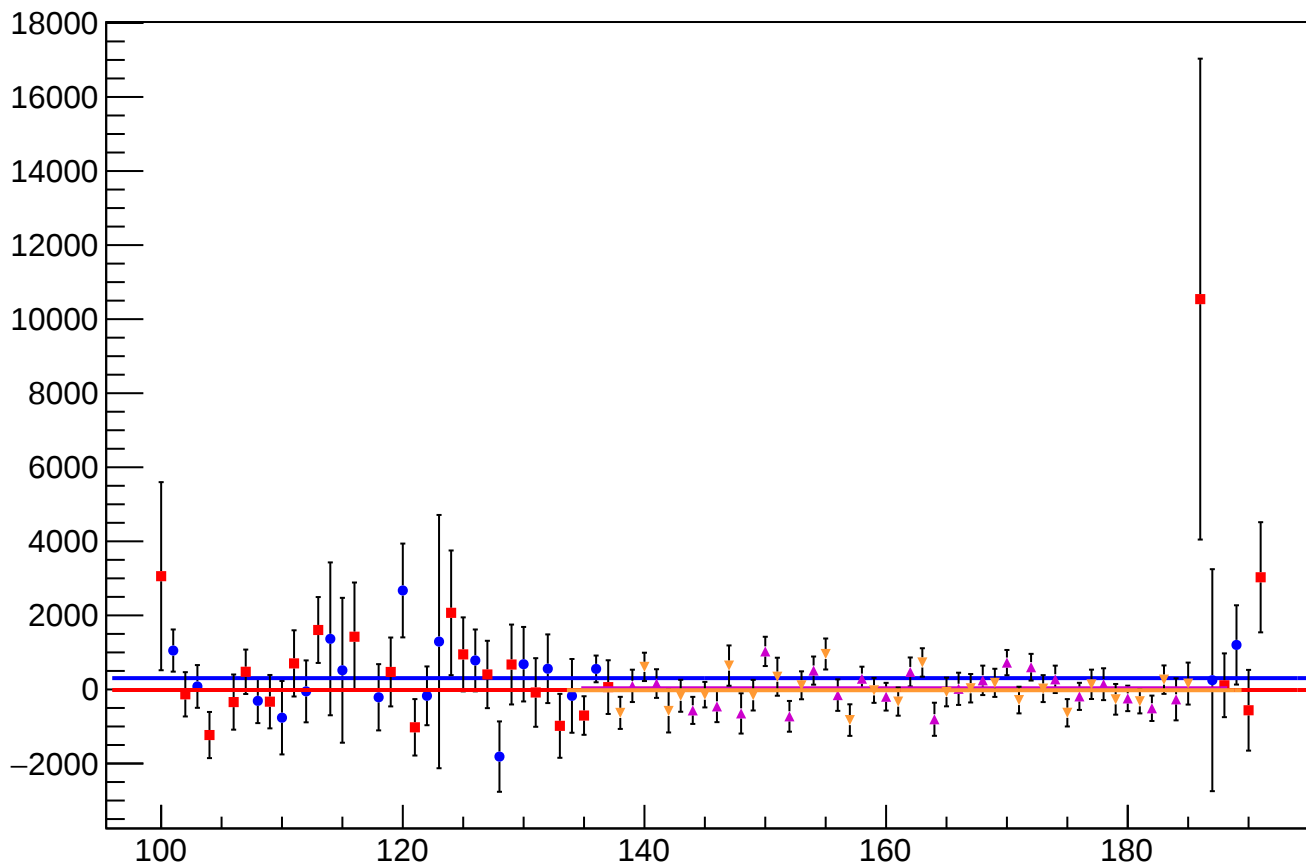
Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

+ sign 355.678+/-0.051 χ^2/NDF : 2460681.5/43

All: 358.996+/-0.036 χ^2/NDF : 6002551.9/89

- sign 362.411+/-0.052 χ^2/NDF : 3533272.9/45

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: -14.812 $\pm$ 176.569 χ^2 /NDF: 26.5/22

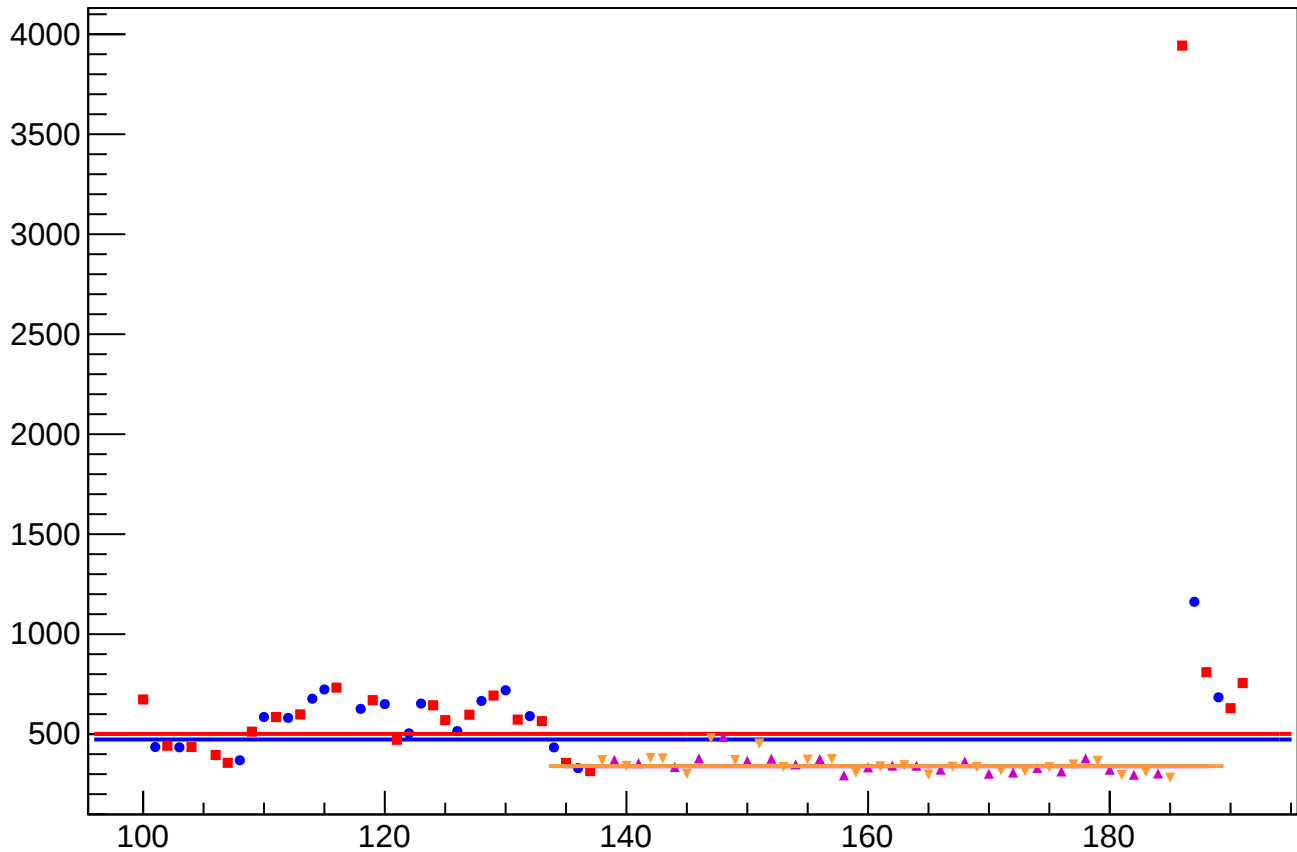
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 31.053 $\pm$ 73.187 χ^2 /NDF: 45.6/43

All: 27.359 $\pm$ 52.123 χ^2 /NDF: 106.2/89

- sign 23.557 $\pm$ 74.251 χ^2 /NDF: 60.6/45

asym_sam_13_57_dd_rms vs Slug



Right In: 473.324+/-0.130 χ^2/NDF : 1035670.8/18

Left Out: 340.238+/-0.056 χ^2/NDF : 468863.6/24

Right Out: 501.429+/-0.125 χ^2/NDF : 1692821.2/22

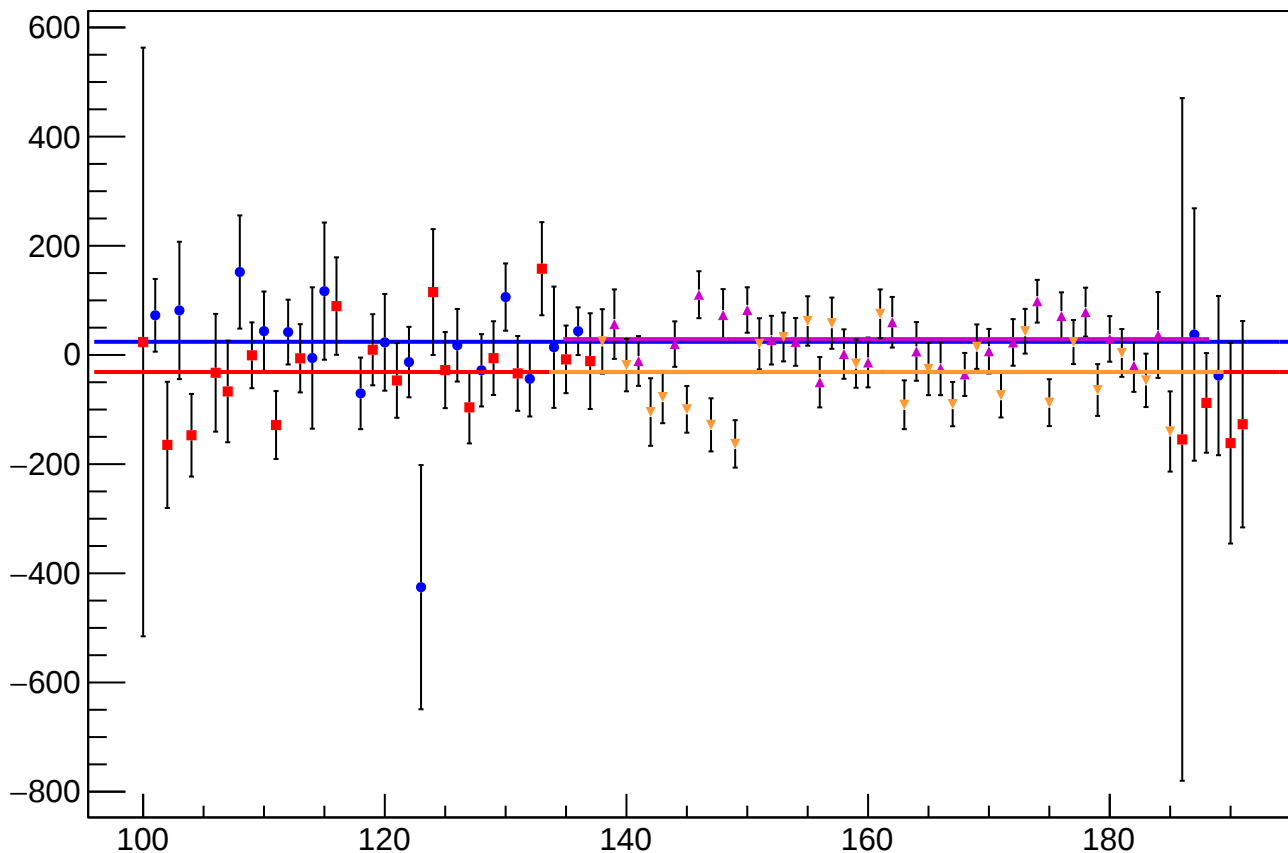
Left In: 339.621+/-0.058 χ^2/NDF : 379808.1/22

+ sign 361.415+/-0.052 χ^2/NDF : 2389433.9/43

All: 364.776+/-0.037 χ^2/NDF : 5853197.6/89

- sign 368.235+/-0.053 χ^2/NDF : 3455203.5/45

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: -31.243 $\pm$ 16.977 χ^2 /NDF: 18.0/22

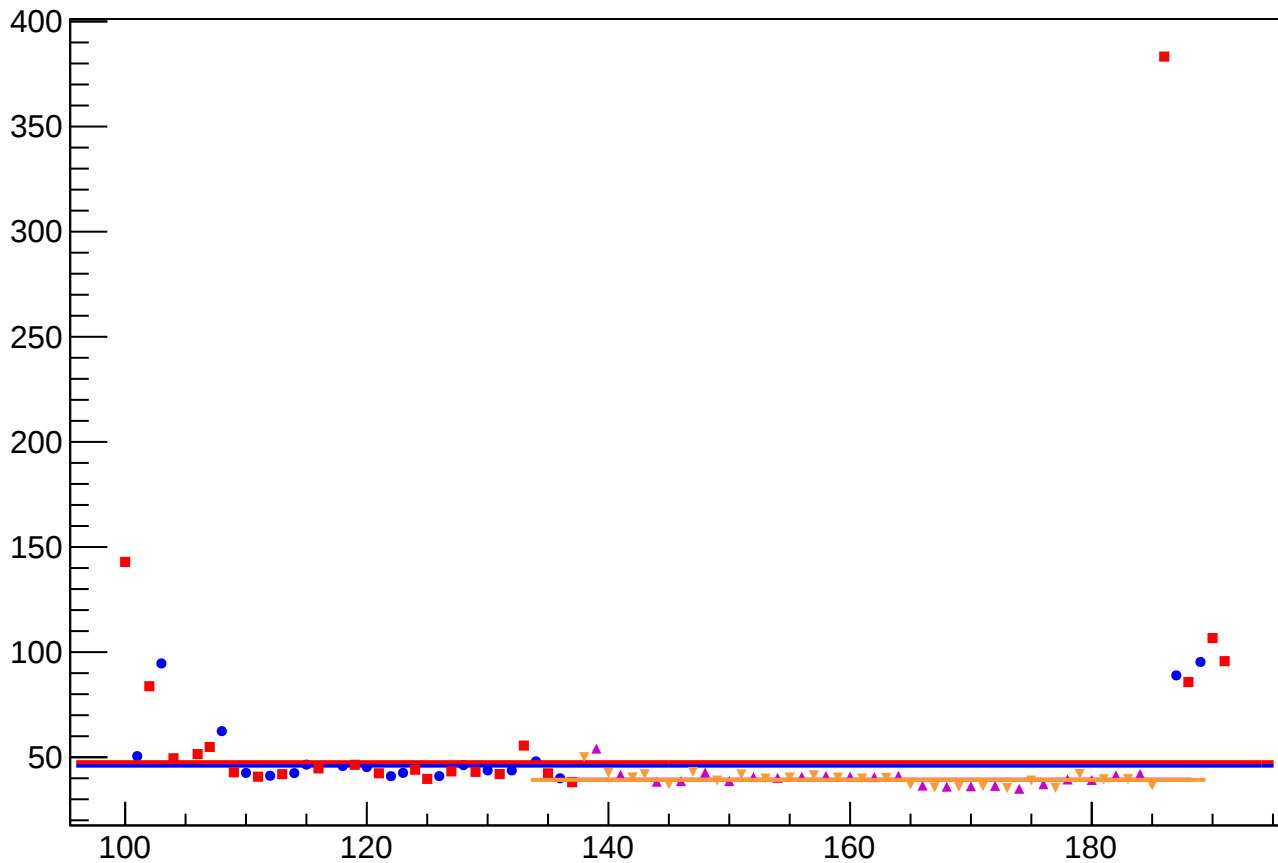
Left In: 29.055 $\pm$ 9.449 χ^2 /NDF: 22.4/22

+ sign -19.372 $\pm$ 8.141 χ^2 /NDF: 73.5/43

All: -2.531 $\pm$ 5.797 χ^2 /NDF: 132.2/89

- sign 14.793 $\pm$ 8.257 χ^2 /NDF: 50.1/45

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: 47.662 $\pm$ 0.012 χ^2 /NDF: 1718238.2/22

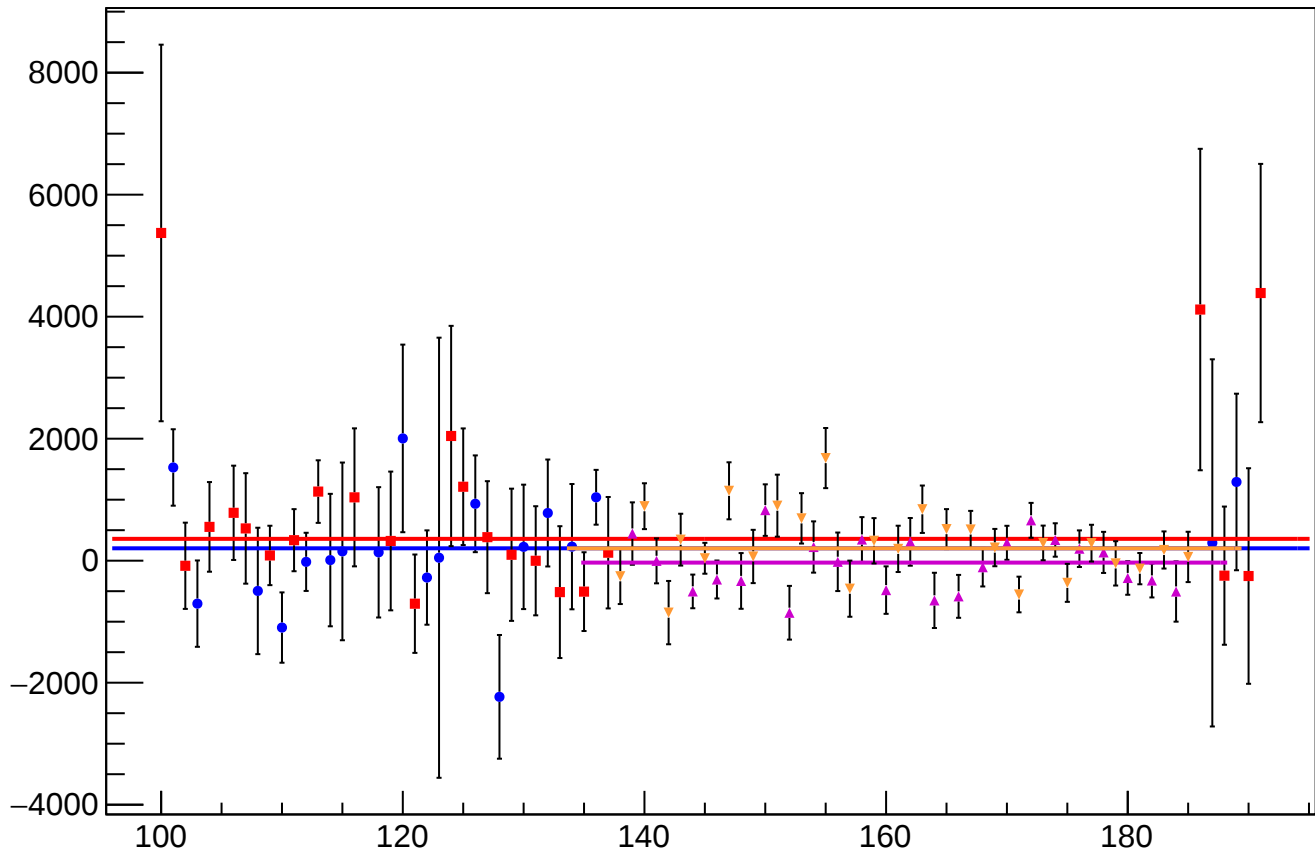
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 40.670 $\pm$ 0.006 χ^2 /NDF: 1174938.2/43

All: 40.984 $\pm$ 0.004 χ^2 /NDF: 3481943.1/89

- sign 41.307 $\pm$ 0.006 χ^2 /NDF: 2300958.5/45

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: 358.069 ± 175.581 χ^2/NDF : 18.6/22

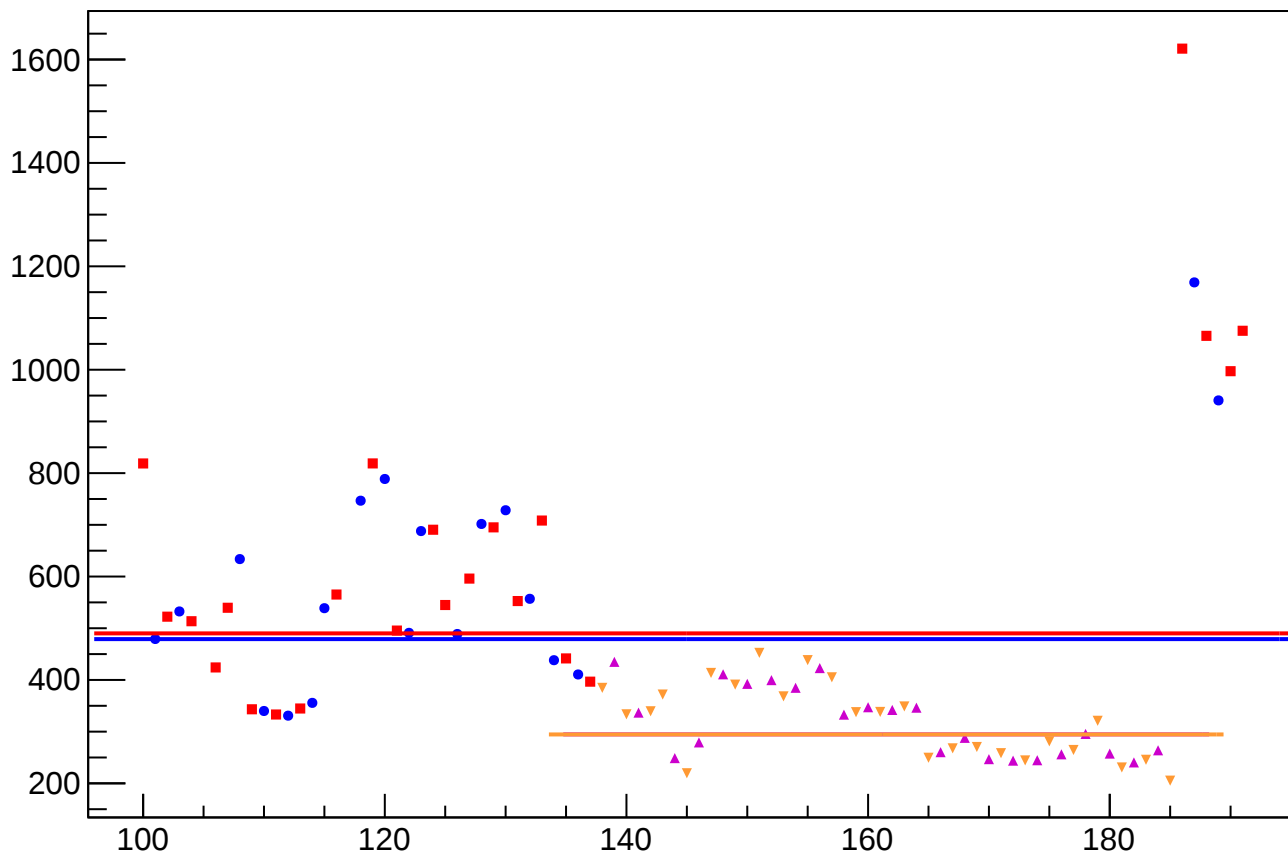
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 202.447 ± 65.911 χ^2/NDF : 69.6/43

All: 114.611 ± 46.881 χ^2/NDF : 129.3/89

- sign 24.670 ± 66.696 χ^2/NDF : 56.2/45

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 478.974 $\pm$ 0.132 χ^2 /NDF: 1198788.5/18

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF: 1680474.5/24

Right Out: 490.055 $\pm$ 0.124 χ^2 /NDF: 2213419.0/22

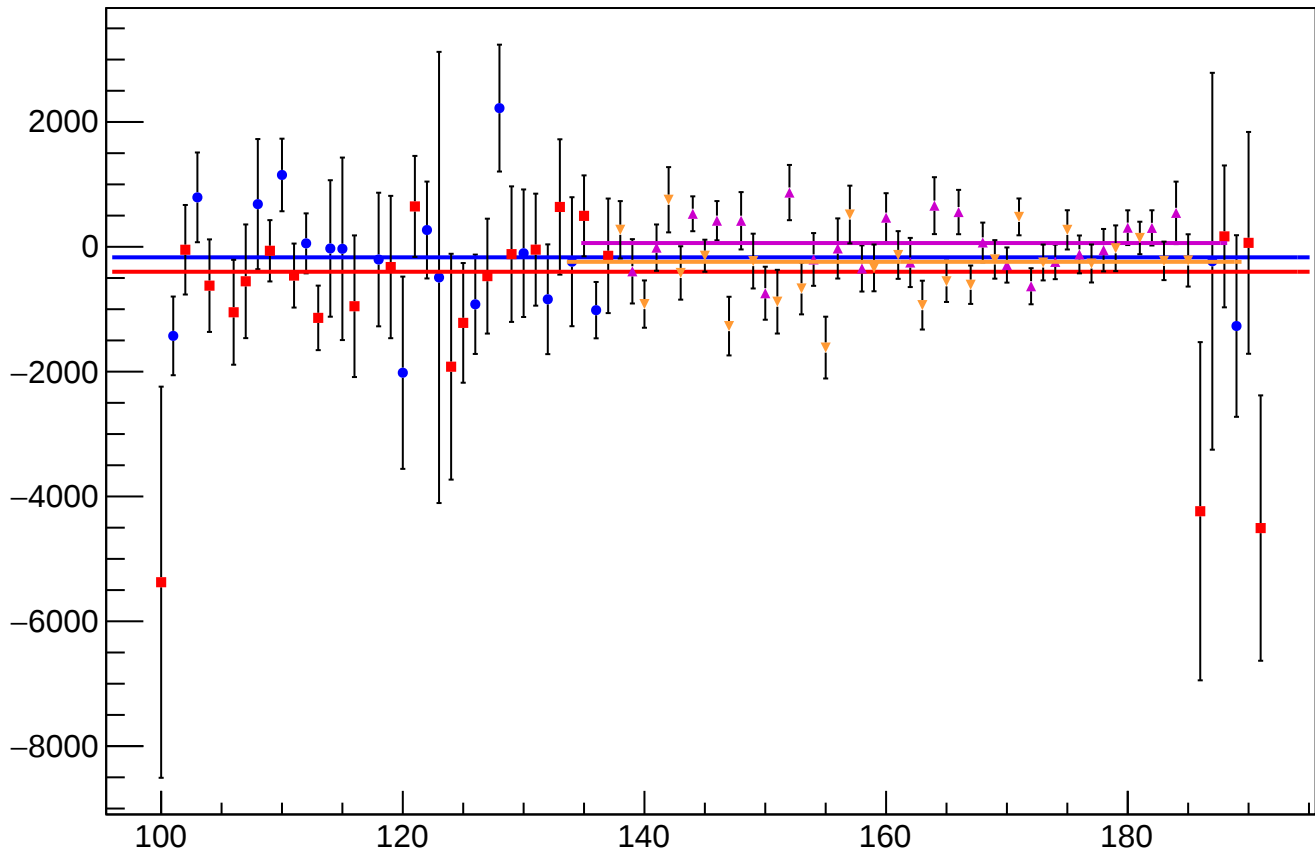
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF: 1297310.3/22

+ sign 317.476 $\pm$ 0.047 χ^2 /NDF: 4580738.2/43

All: 320.159 $\pm$ 0.033 χ^2 /NDF: 10216299.2/89

- sign 322.907 $\pm$ 0.047 χ^2 /NDF: 5628852.3/45

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: -399.640 ± 177.391 χ^2/NDF : 18.5/22

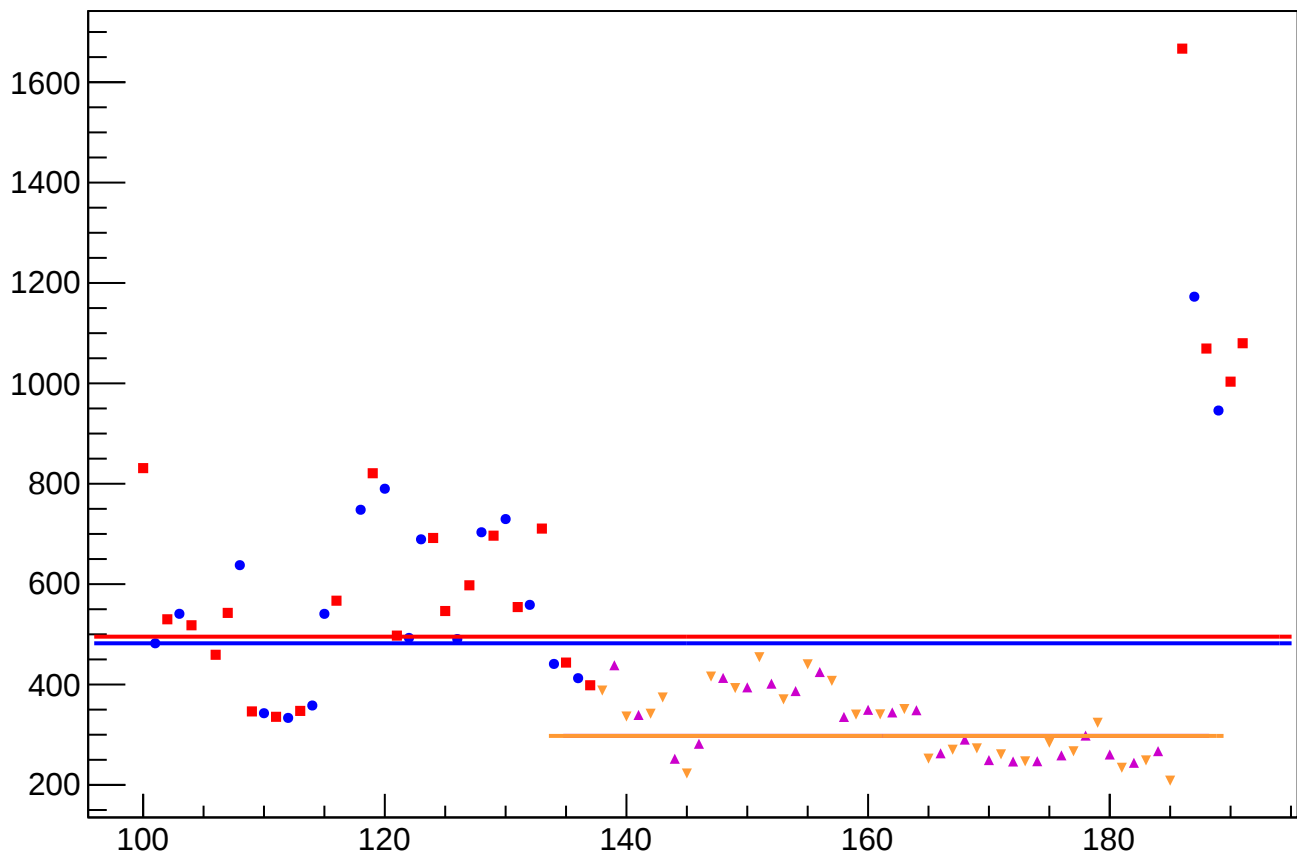
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -231.394 ± 66.514 χ^2/NDF : 67.8/43

All: -120.064 ± 47.322 χ^2/NDF : 128.6/89

- sign -5.954 ± 67.340 χ^2/NDF : 55.2/45

asym_sam_15_37_dd_rms vs Slug



Right In: 482.123+/-0.133 χ^2/NDF : 1189349.5/18

Left Out: 297.613+/-0.050 χ^2/NDF : 1637757.8/24

Right Out: 495.335+/-0.125 χ^2/NDF : 2195124.6/22

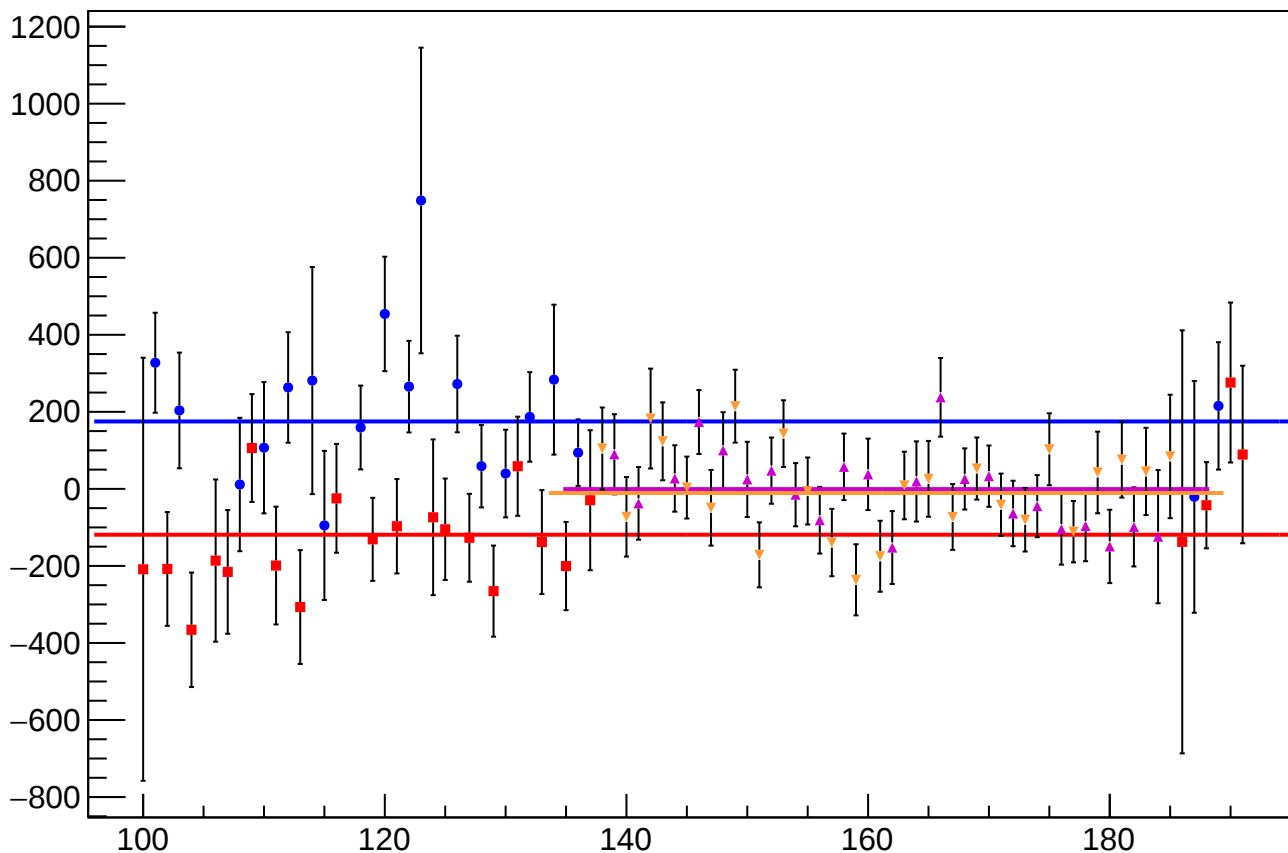
Left In: 297.699+/-0.051 χ^2/NDF : 1266306.2/22

+ sign 320.649+/-0.047 χ^2/NDF : 4508671.1/43

All: 323.380+/-0.033 χ^2/NDF : 10101736.0/89

- sign 326.179+/-0.048 χ^2/NDF : 5586236.4/45

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: -119.002 $\pm$ 30.491 χ^2 /NDF: 17.8/22

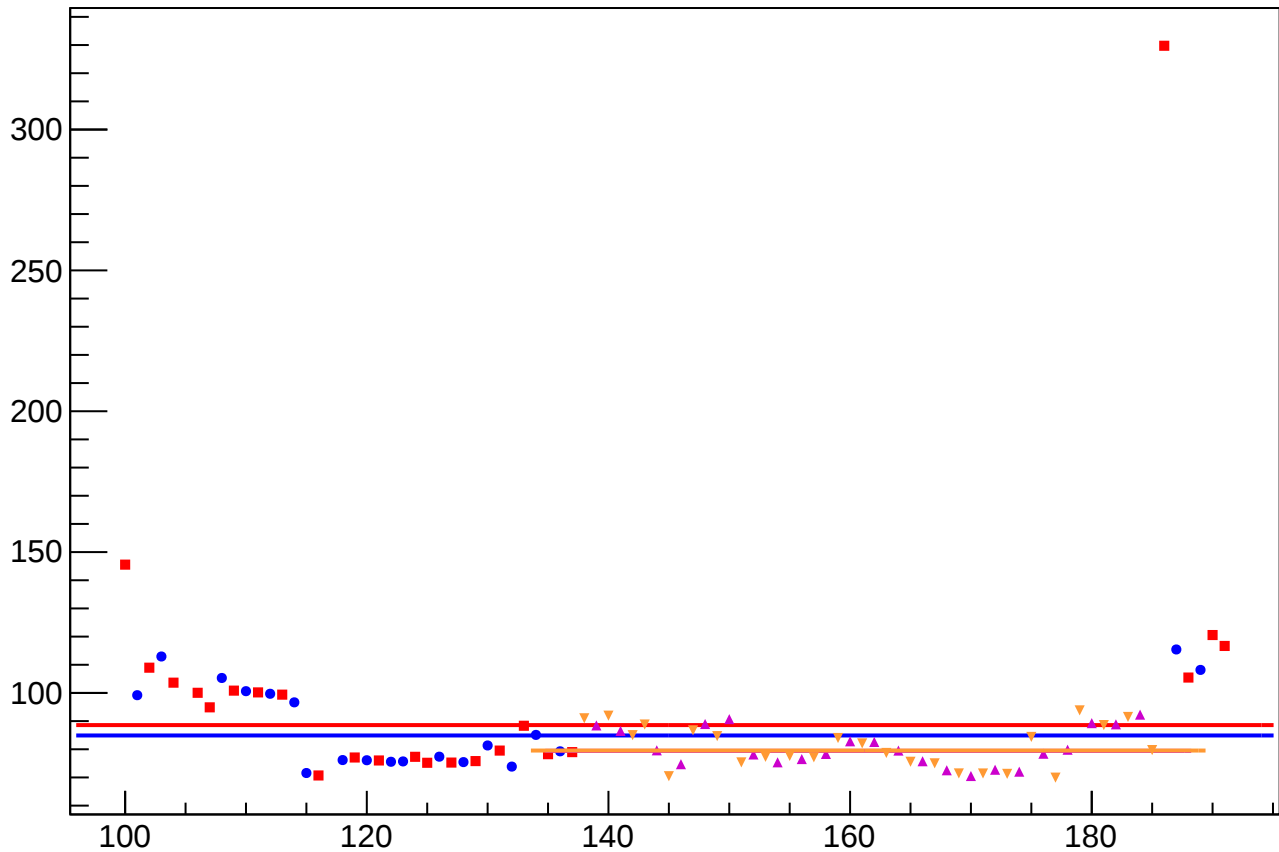
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 36.219 $\pm$ 16.090 χ^2 /NDF: 77.5/43

All: 1.344 $\pm$ 11.409 χ^2 /NDF: 139.3/89

- sign -33.928 $\pm$ 16.181 χ^2 /NDF: 52.4/45

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 84.903 $\pm$ 0.023 χ^2/NDF : 317533.3/18

Left Out: 79.551 $\pm$ 0.013 χ^2/NDF : 309075.2/24

Right Out: 88.586 $\pm$ 0.022 χ^2/NDF : 819923.0/22

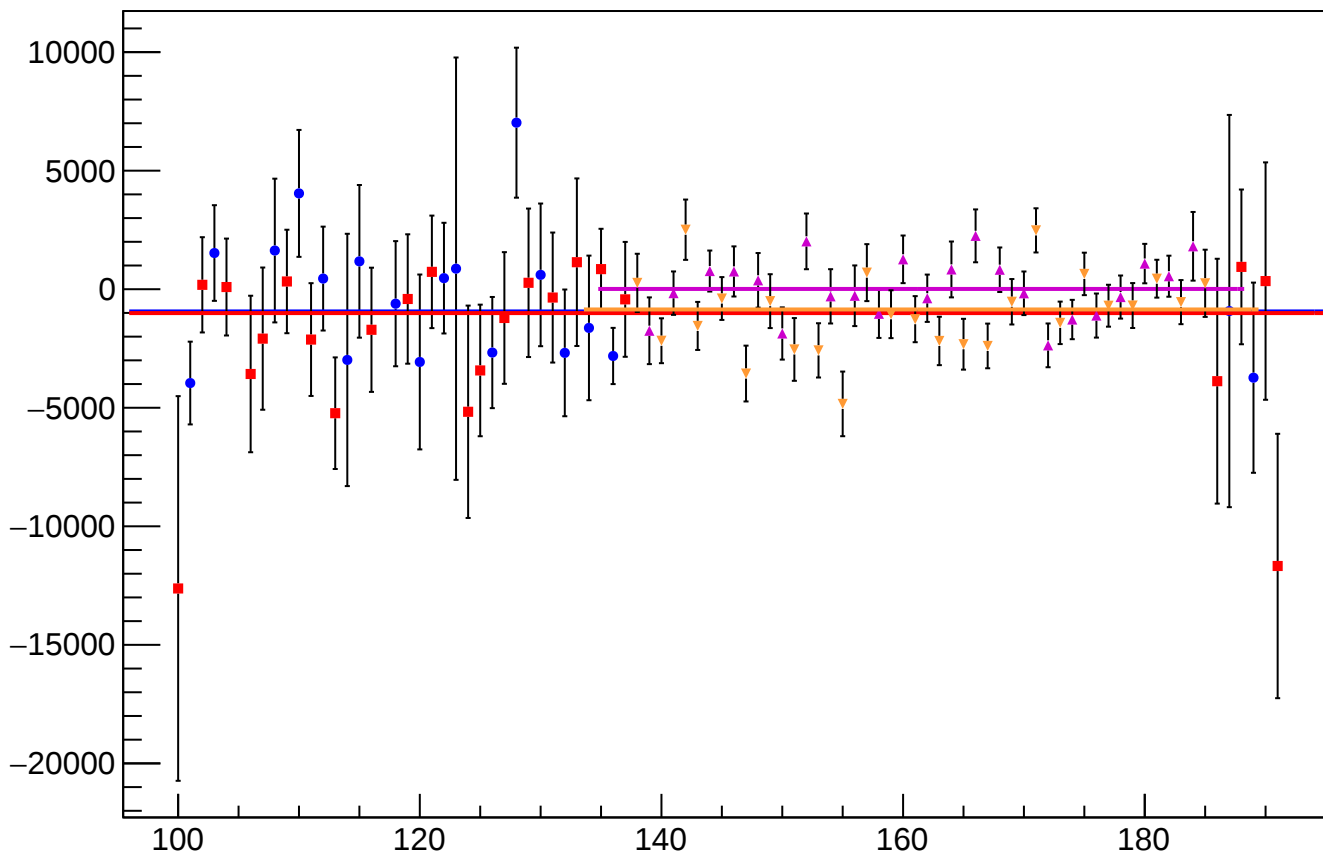
Left In: 79.436 $\pm$ 0.013 χ^2/NDF : 212440.1/22

+ sign 80.902 $\pm$ 0.011 χ^2/NDF : 668376.6/43

All: 81.455 $\pm$ 0.008 χ^2/NDF : 1834848.3/89

- sign 82.013 $\pm$ 0.011 χ^2/NDF : 1161731.7/45

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: -1006.777 ± 570.319 χ^2/NDF : 15.8/22

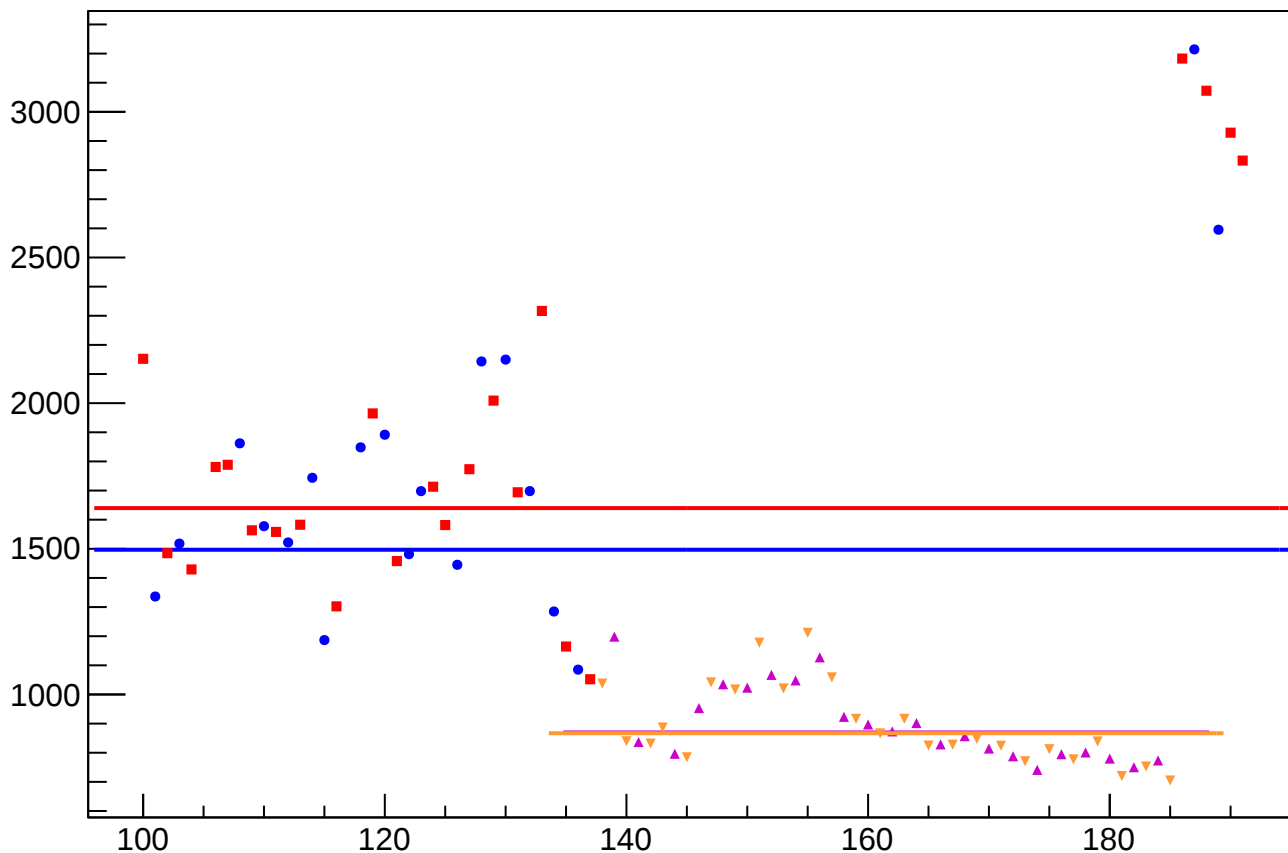
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -863.347 ± 192.408 χ^2/NDF : 77.0/43

All: -495.789 ± 137.691 χ^2/NDF : 134.3/89

- sign -109.986 ± 197.126 χ^2/NDF : 49.8/45

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: 1639.808 ± 0.403 $\chi^2/\text{NDF}: 1298822.2/22$

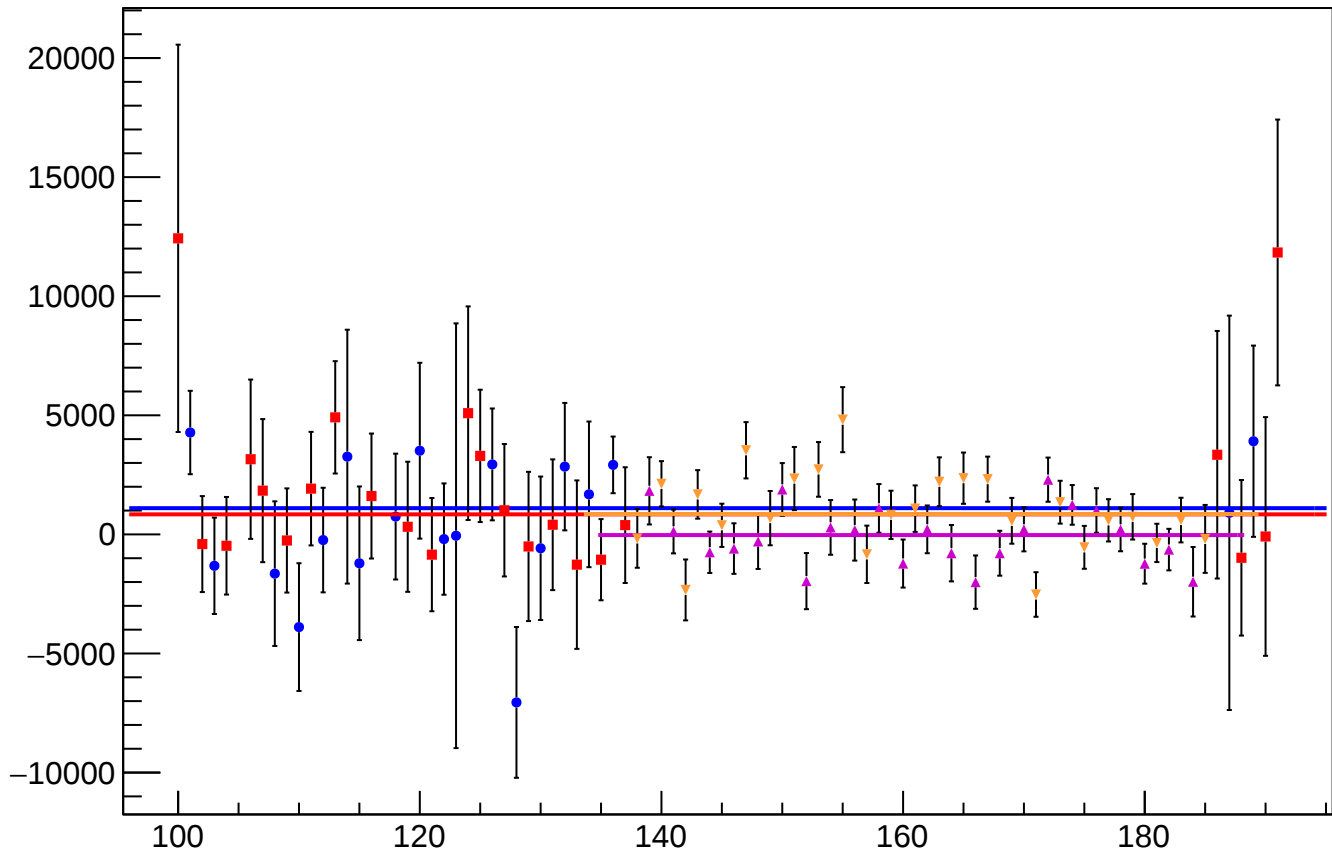
Left In: 869.569 ± 0.149 $\chi^2/\text{NDF}: 582301.2/22$

+ sign 936.944 ± 0.136 $\chi^2/\text{NDF}: 3588065.6/43$

All: 948.967 ± 0.097 $\chi^2/\text{NDF}: 8697310.0/89$

- sign 961.587 ± 0.139 $\chi^2/\text{NDF}: 5093236.8/45$

asym_sam_24_68_dd_mean vs Slug



Right In: 1101.324 $\pm$ 578.166 χ^2 /NDF: 21.7/18

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 841.222 $\pm$ 571.579 χ^2 /NDF: 15.5/22

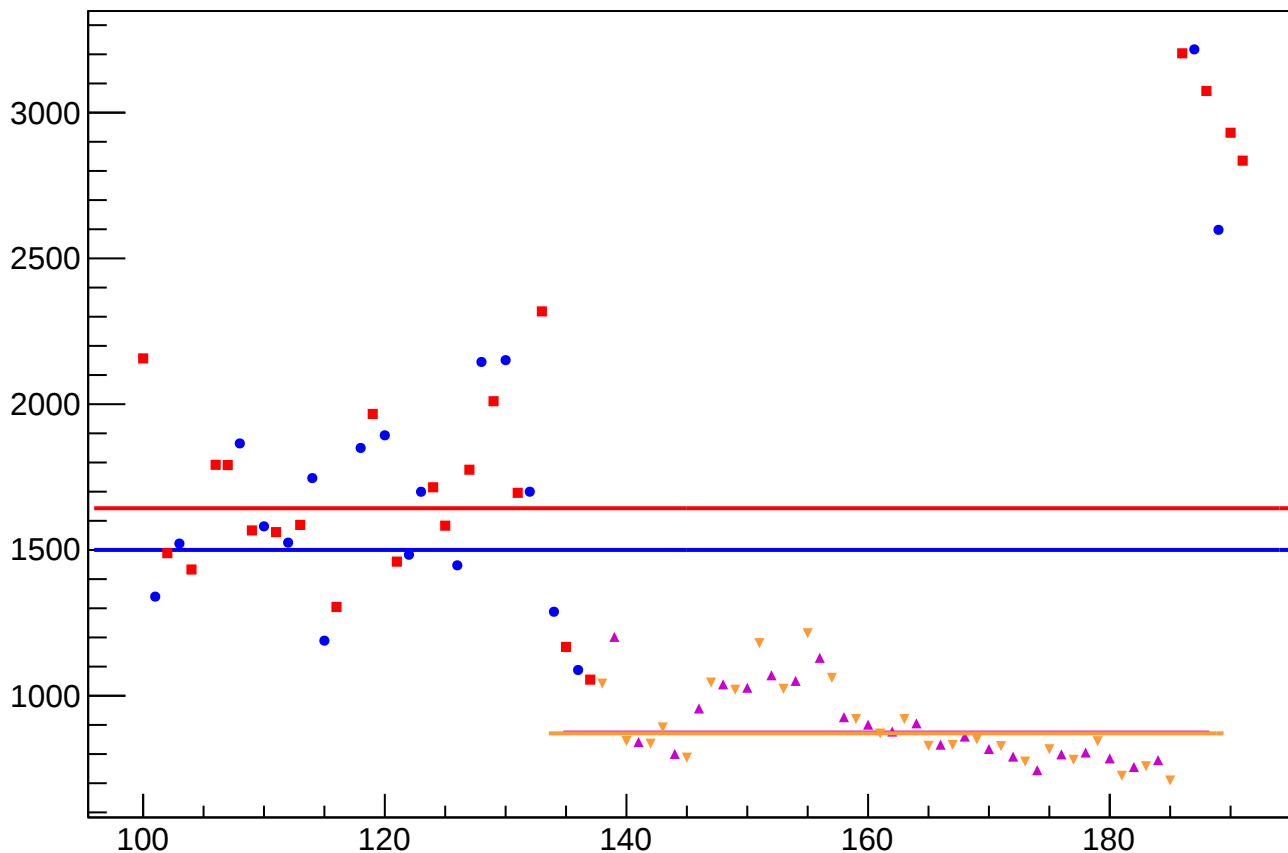
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 883.110 $\pm$ 193.253 χ^2 /NDF: 75.9/43

All: 489.184 $\pm$ 138.289 χ^2 /NDF: 131.7/89

- sign 75.789 $\pm$ 197.971 χ^2 /NDF: 47.3/45

asym_sam_24_68_dd_rms vs Slug



Right In: 1500.153+/-0.409 χ^2/NDF : 803393.4/18

Left Out: 871.109+/-0.145 χ^2/NDF : 651751.1/24

+ sign 941.389+/-0.137 χ^2/NDF : 3558124.4/43

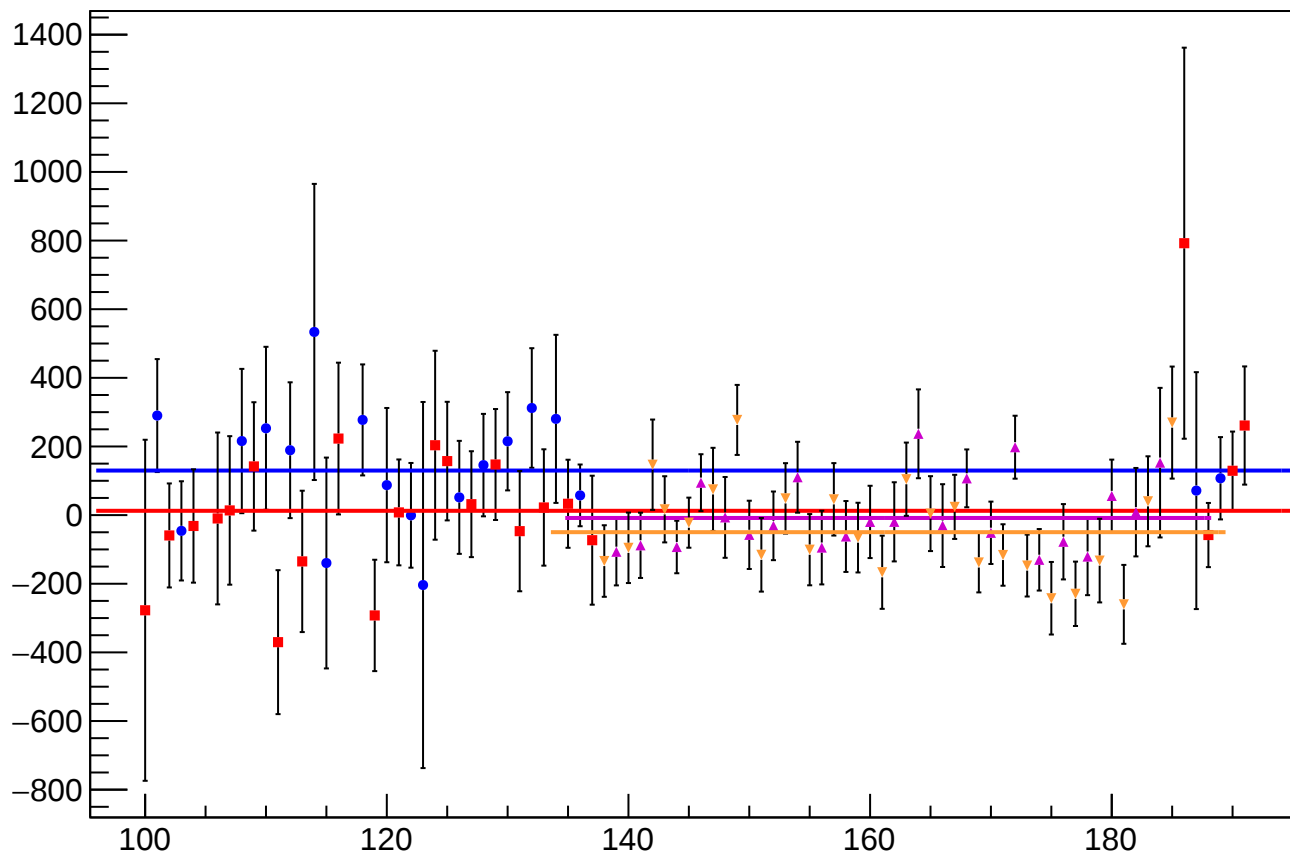
Right Out: 1643.161+/-0.404 χ^2/NDF : 1296619.1/22

All: 953.391+/-0.098 χ^2/NDF : 8634288.8/89

- sign 965.986+/-0.140 χ^2/NDF : 5060355.2/45

Left In: 873.675+/-0.149 χ^2/NDF : 573822.5/22

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 129.838 ± 39.136 χ^2/NDF : 9.4/18

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: 12.551 ± 35.179 χ^2/NDF : 17.2/22

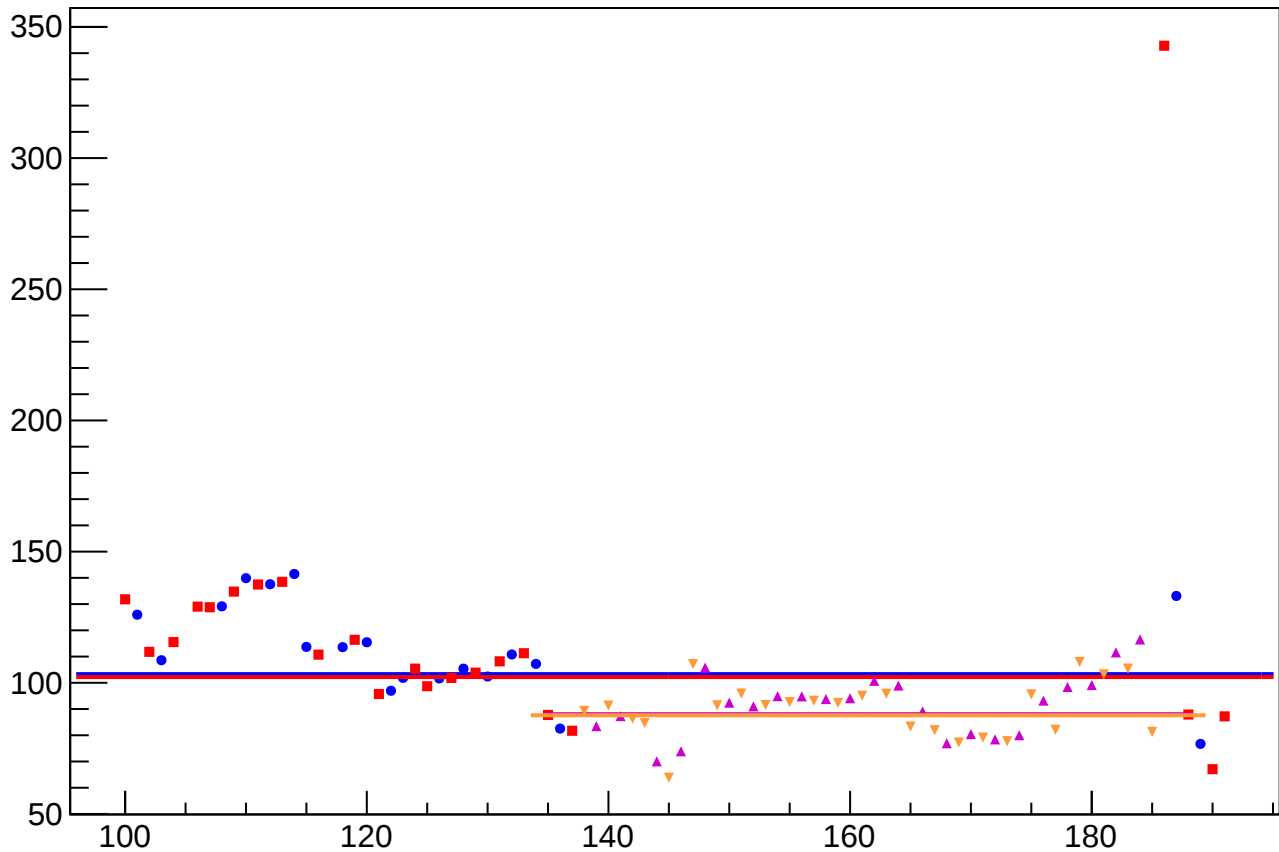
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign -10.821 ± 18.215 χ^2/NDF : 65.3/43

All: -6.782 ± 12.876 χ^2/NDF : 104.8/89

- sign -2.749 ± 18.202 χ^2/NDF : 39.5/45

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 103.311 $\pm$ 0.028 χ^2 /NDF: 438311.9/18

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 102.187 $\pm$ 0.025 χ^2 /NDF: 948427.5/22

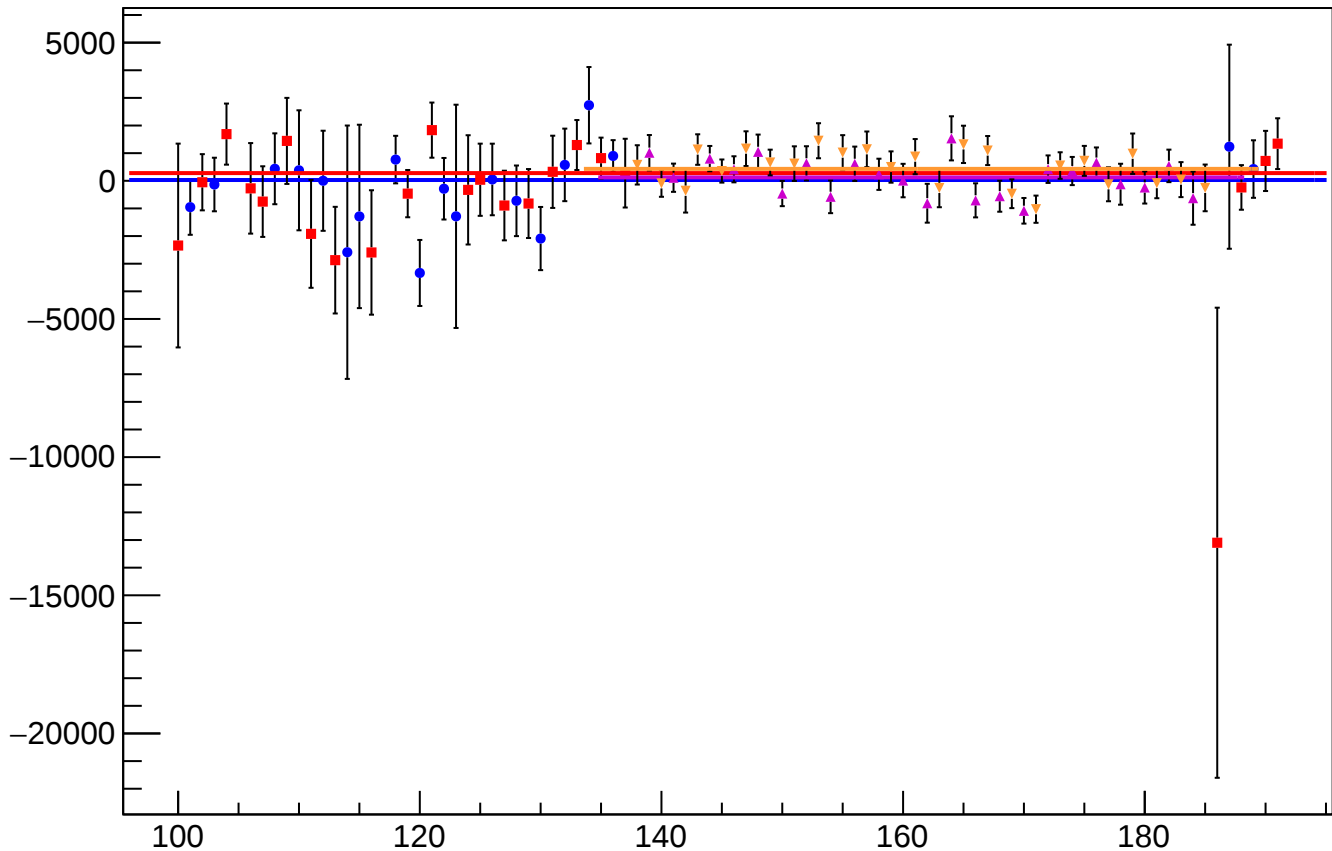
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 91.023 $\pm$ 0.013 χ^2 /NDF: 1244676.2/43

All: 91.423 $\pm$ 0.009 χ^2 /NDF: 2955849.7/89

- sign 91.822 $\pm$ 0.013 χ^2 /NDF: 1709250.5/45

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: 278.894 ± 247.553 χ^2/NDF : 20.3/22

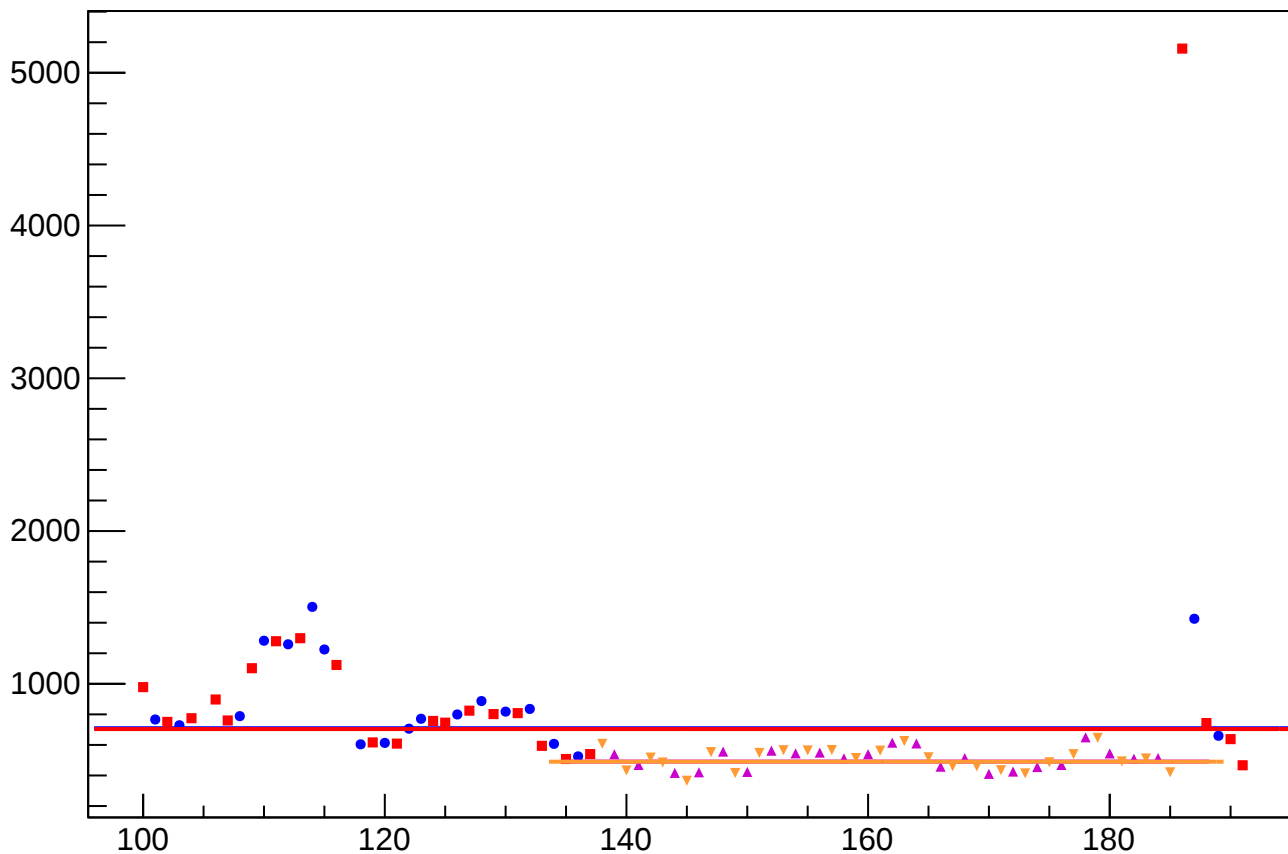
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 370.432 ± 106.560 χ^2/NDF : 53.1/43

All: 261.917 ± 75.554 χ^2/NDF : 105.0/89

- sign 152.215 ± 107.141 χ^2/NDF : 49.9/45

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 709.368 $\pm$ 0.193 χ^2 /NDF: 873342.4/18

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 703.861 $\pm$ 0.175 χ^2 /NDF: 1602659.4/22

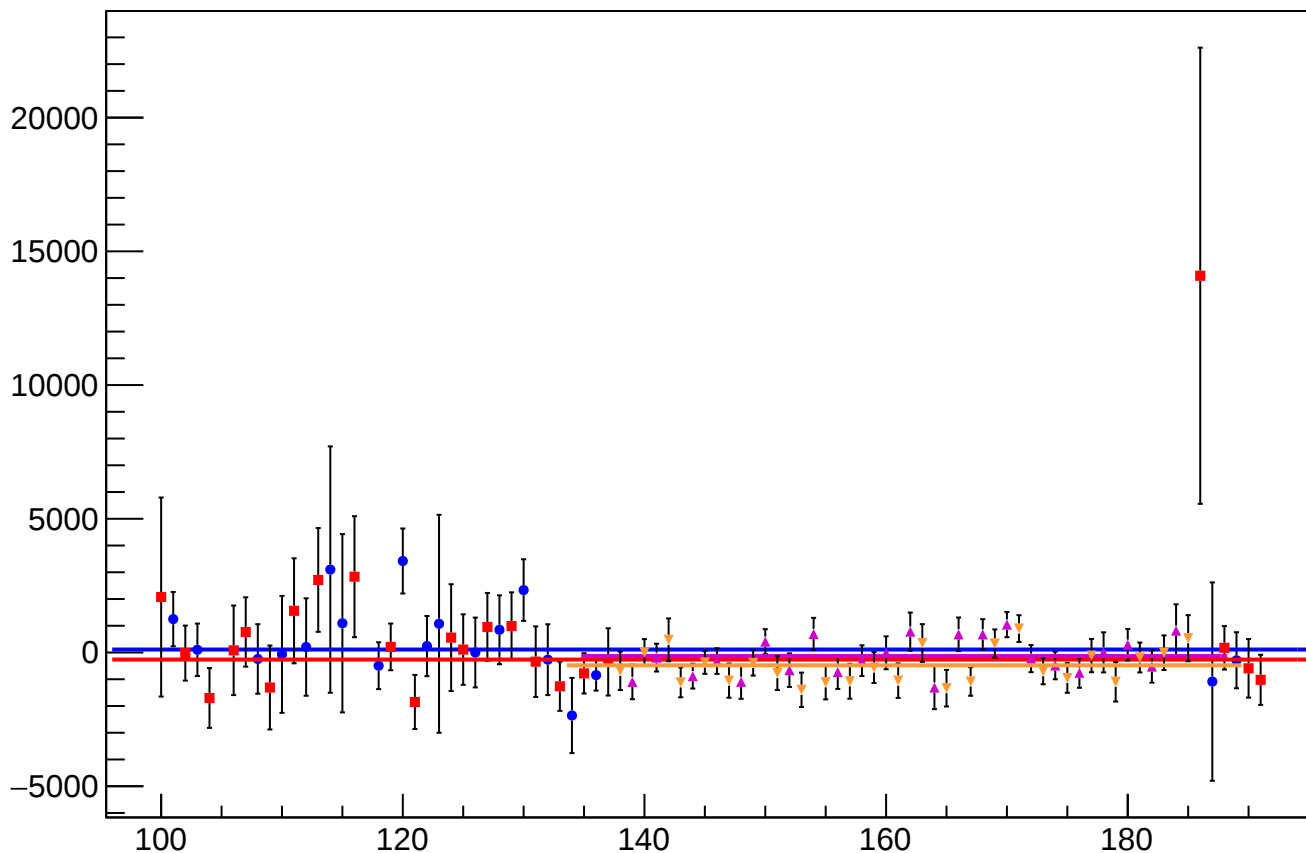
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 523.534 $\pm$ 0.075 χ^2 /NDF: 2712505.3/43

All: 527.147 $\pm$ 0.053 χ^2 /NDF: 6111775.6/89

- sign 530.799 $\pm$ 0.076 χ^2 /NDF: 3394647.4/45

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: -263.547 ± 250.639 χ^2/NDF : 18.8/22

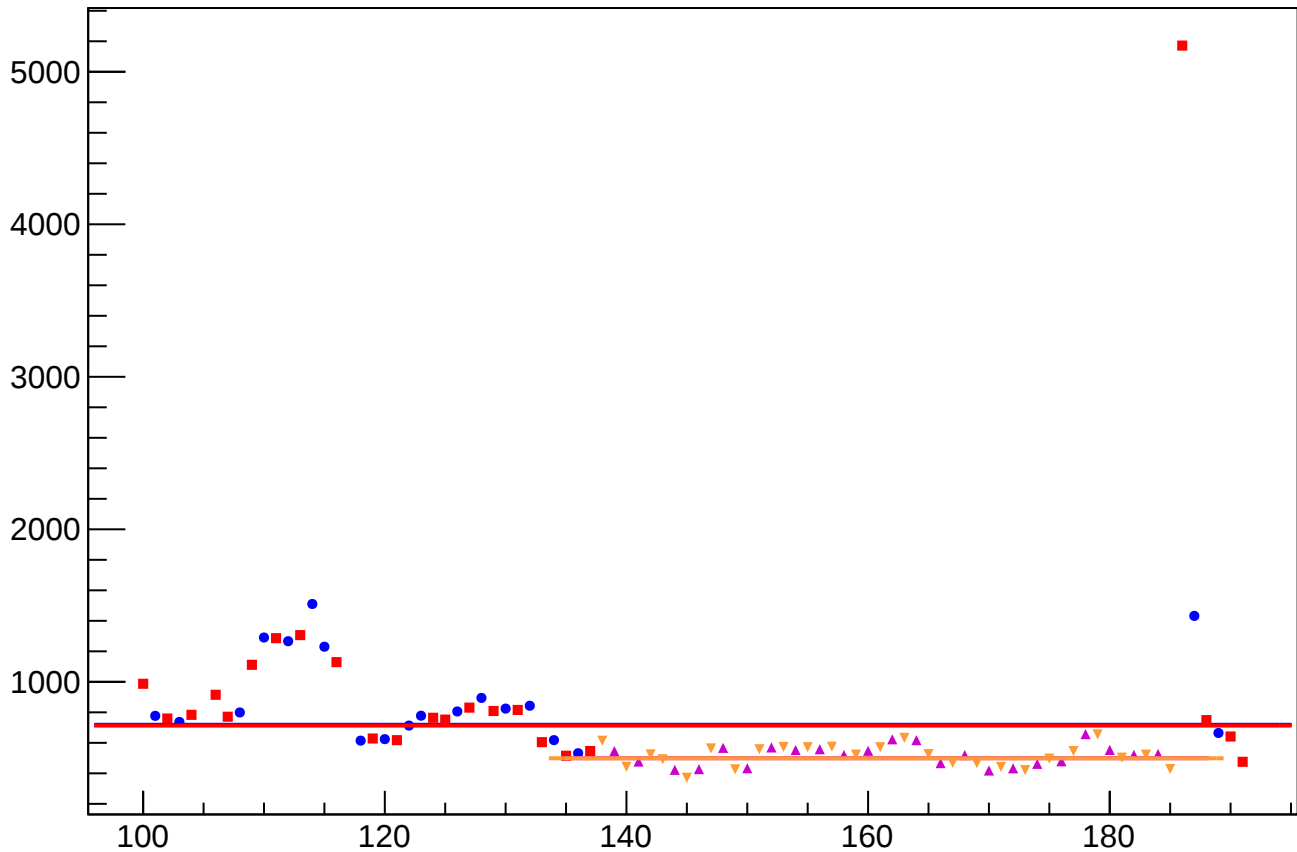
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -387.884 ± 108.277 χ^2/NDF : 51.6/43

All: -273.200 ± 76.772 χ^2/NDF : 102.4/89

- sign -157.260 ± 108.869 χ^2/NDF : 48.5/45

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: 713.200 $\pm$ 0.177 χ^2 /NDF: 1578995.0/22

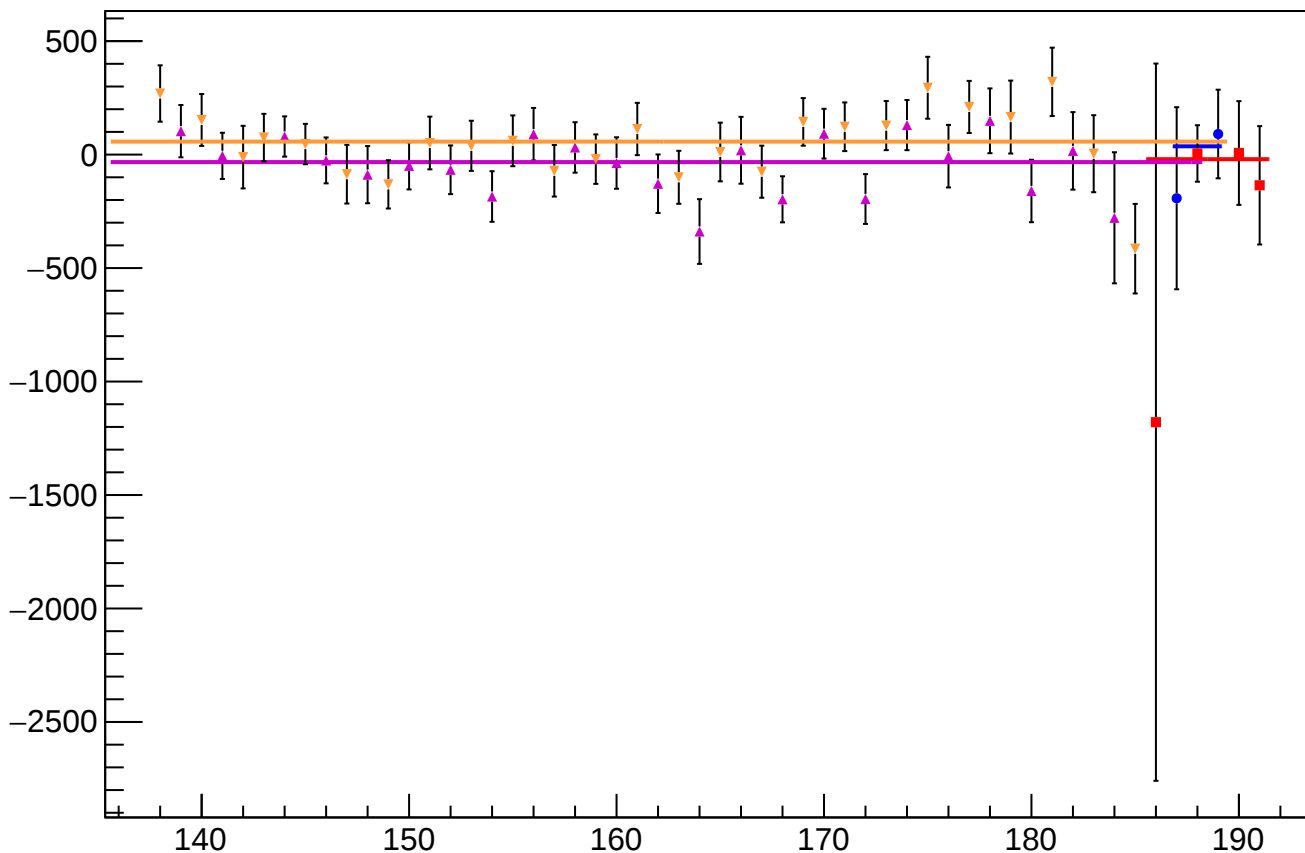
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 532.365 $\pm$ 0.077 χ^2 /NDF: 2658057.0/43

All: 536.029 $\pm$ 0.054 χ^2 /NDF: 5998982.1/89

- sign 539.732 $\pm$ 0.077 χ^2 /NDF: 3336321.1/45

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: -20.290 ± 100.588 χ^2/NDF : 0.8/3

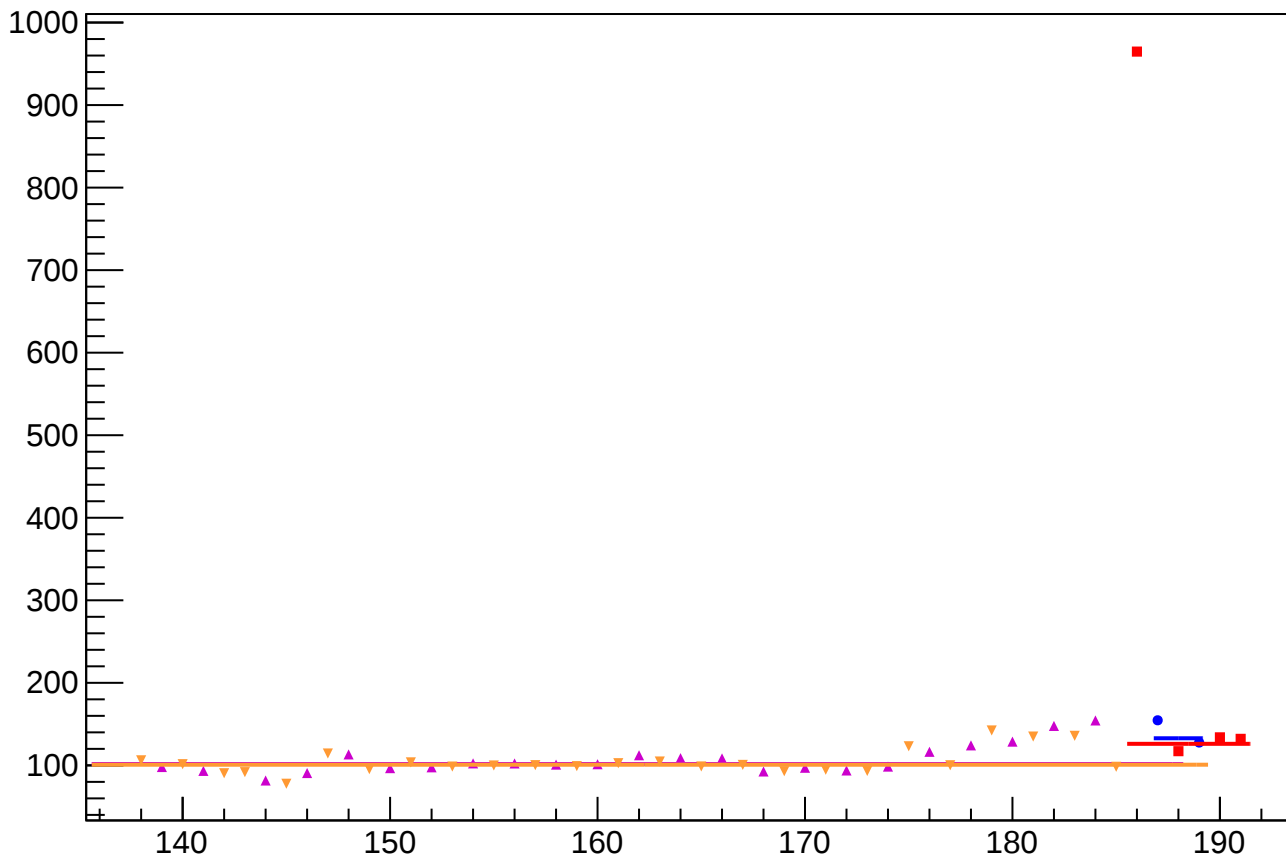
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 56.839 ± 23.500 χ^2/NDF : 29.6/26

All: 13.023 ± 16.751 χ^2/NDF : 61.1/53

- sign -32.234 ± 23.884 χ^2/NDF : 24.4/26

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: 126.098 $\pm$ 0.071 χ^2 /NDF: 577122.0/3

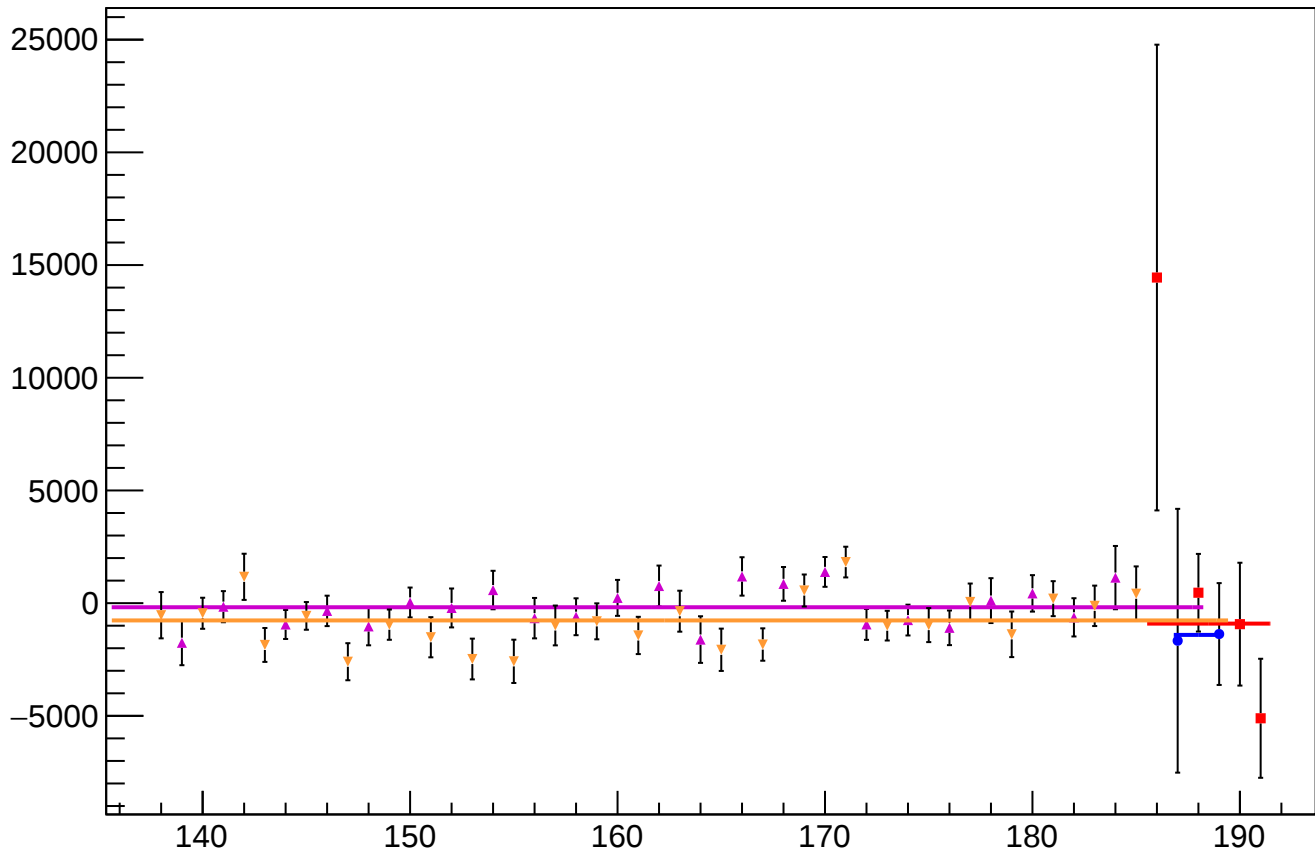
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 101.374 $\pm$ 0.017 χ^2 /NDF: 673158.1/26

All: 102.175 $\pm$ 0.012 χ^2 /NDF: 1949071.5/53

- sign 103.002 $\pm$ 0.017 χ^2 /NDF: 1271195.1/26

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: -907.395 ± 1265.393 χ^2/NDF : 5.4/3

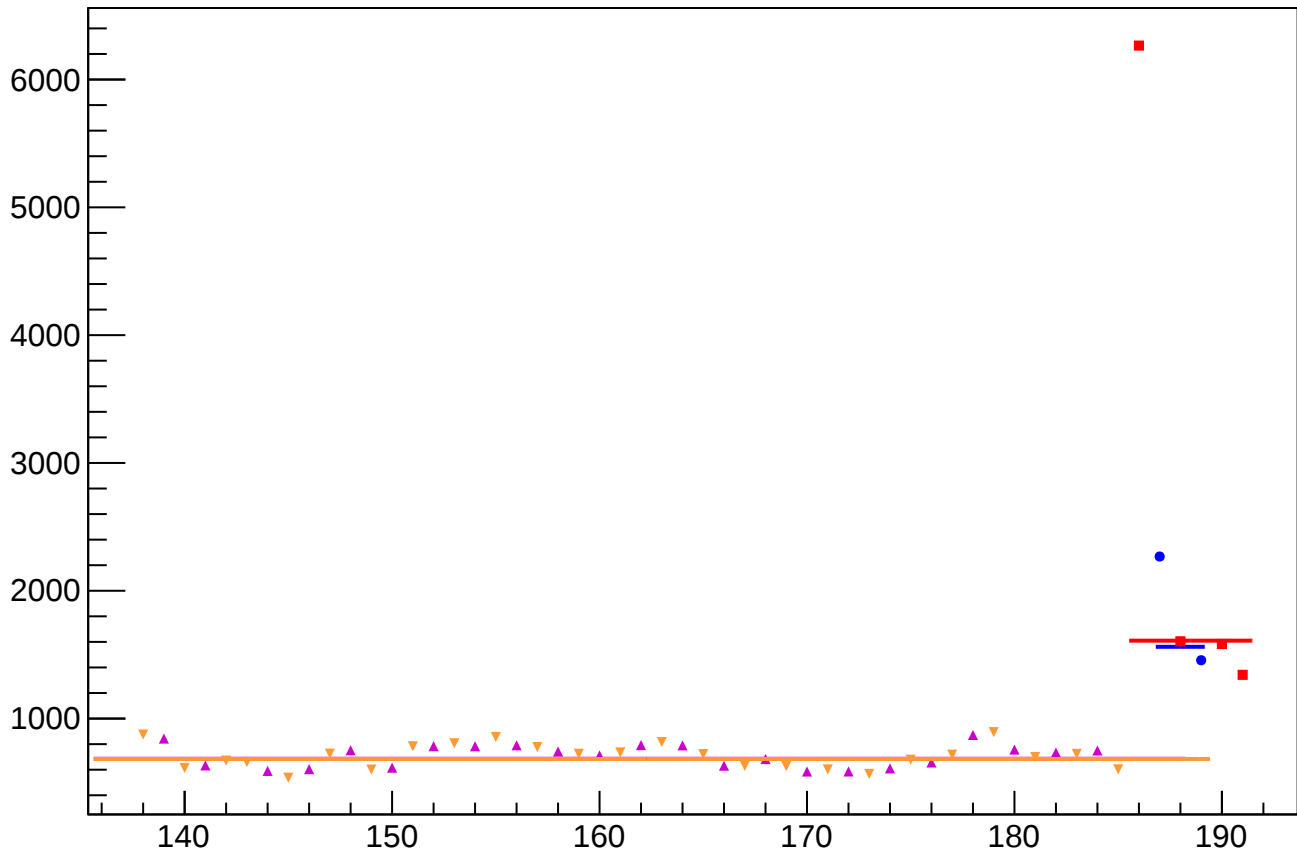
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -770.086 ± 160.598 χ^2/NDF : 46.6/26

All: -488.462 ± 114.836 χ^2/NDF : 83.6/53

- sign -193.815 ± 164.269 χ^2/NDF : 30.7/26

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: 1609.736 $\pm$ 0.895 χ^2 /NDF: 426853.4/3

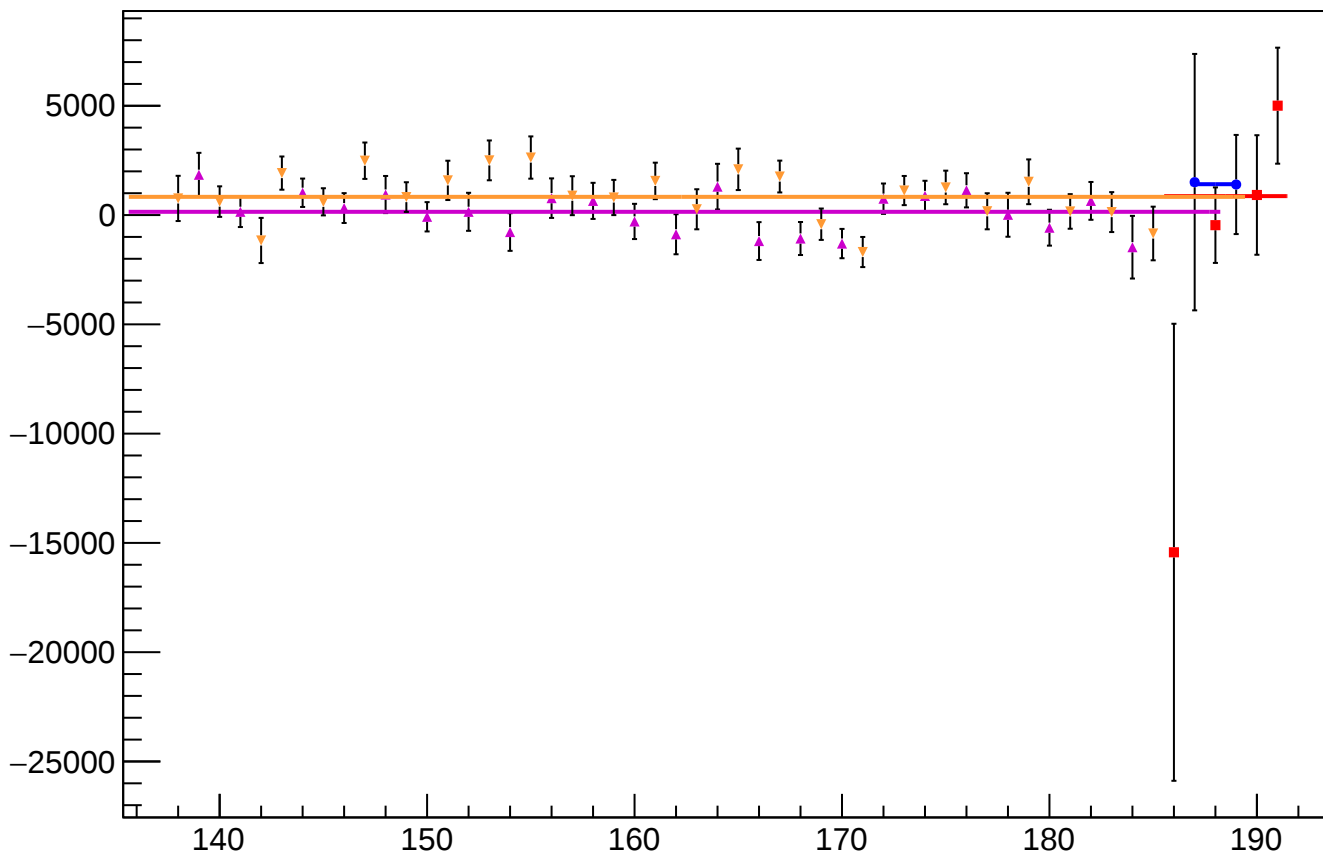
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 688.982 $\pm$ 0.114 χ^2 /NDF: 1045589.6/26

All: 694.936 $\pm$ 0.081 χ^2 /NDF: 3056183.9/53

- sign 701.167 $\pm$ 0.116 χ^2 /NDF: 2004967.6/26

asym_sam_1548_avg_mean vs Slug



Right In: 1412.450 $\pm$ 2115.695 χ^2 /NDF: 0.0/1

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF:43.2/24

Right Out: 867.007 $\pm$ 1270.130 χ^2 /NDF: 5.5/3

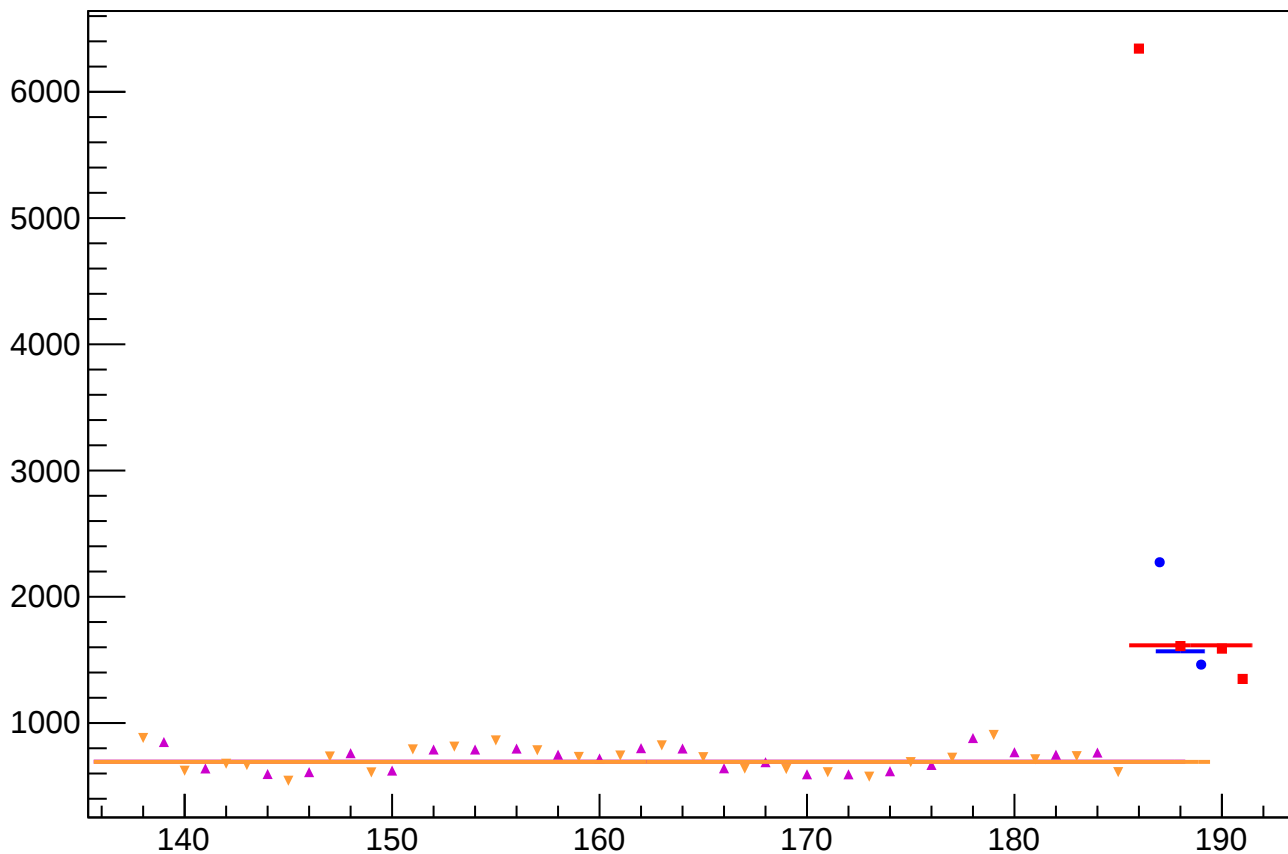
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF:26.0/22

+ sign 836.810 $\pm$ 162.484 χ^2 /NDF: 43.3/26

All: 506.605 $\pm$ 116.186 χ^2 /NDF: 83.5/53

- sign 161.112 $\pm$ 166.203 χ^2 /NDF: 31.8/26

asym_sam_1548_avg_rms vs Slug



Right In: 1568.075 $\pm$ 1.496 χ^2 /NDF: 33242.5/1

Left Out: 692.097 $\pm$ 0.115 χ^2 /NDF: 657259.6/24

Right Out: 1615.482 $\pm$ 0.898 χ^2 /NDF: 429128.4/3

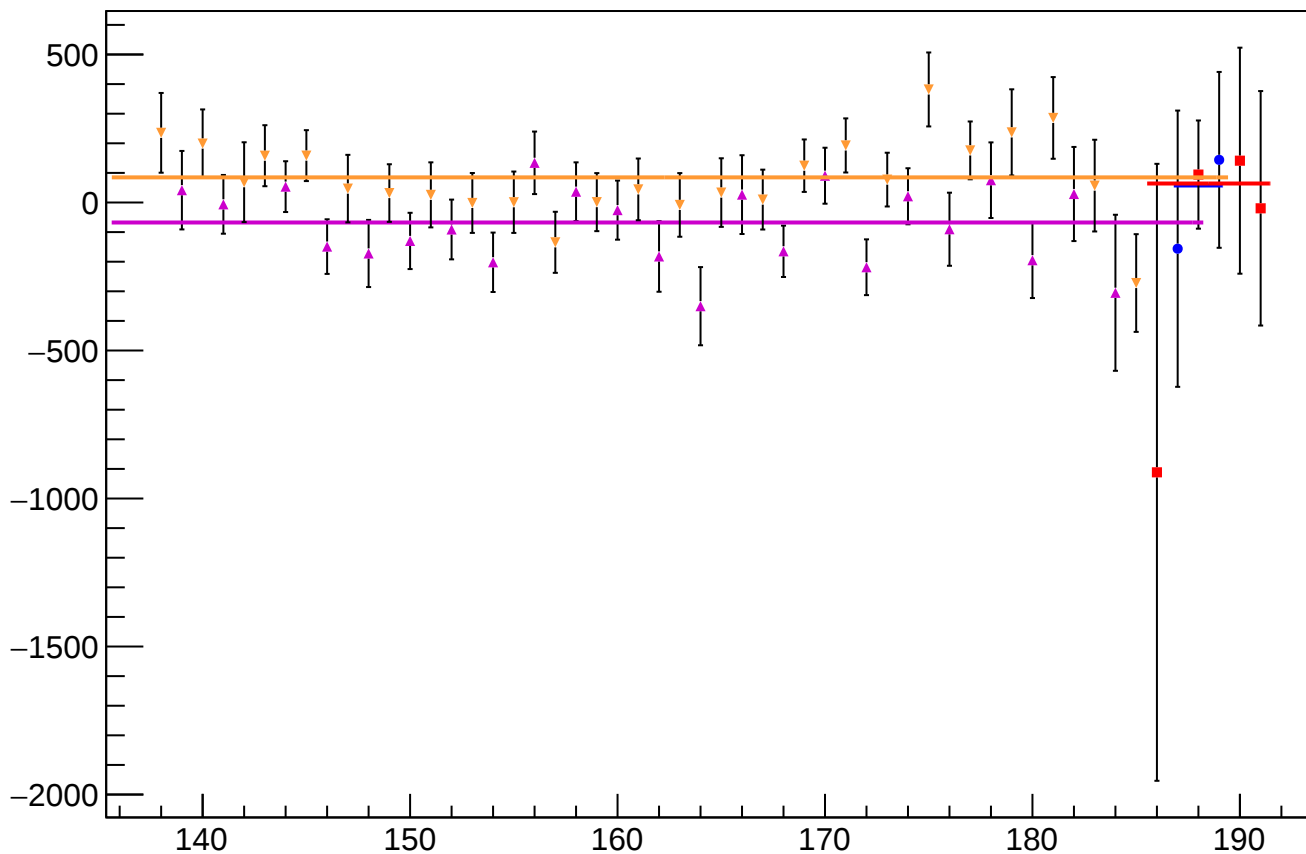
Left In: 693.867 $\pm$ 0.119 χ^2 /NDF: 522053.5/22

+ sign 697.263 $\pm$ 0.115 χ^2 /NDF: 1031335.0/26

All: 703.316 $\pm$ 0.082 χ^2 /NDF: 3023174.8/53

- sign 709.648 $\pm$ 0.118 χ^2 /NDF: 1986161.7/26

reg_asym_sam_3748_avg_mean vs Slug



Right In: 57.476 $\pm$ 250.583 χ^2 /NDF: 0.3/1

Left Out: 84.860 $\pm$ 21.643 χ^2 /NDF:28.5/24

Right Out: 64.156 $\pm$ 150.591 χ^2 /NDF: 1.0/3

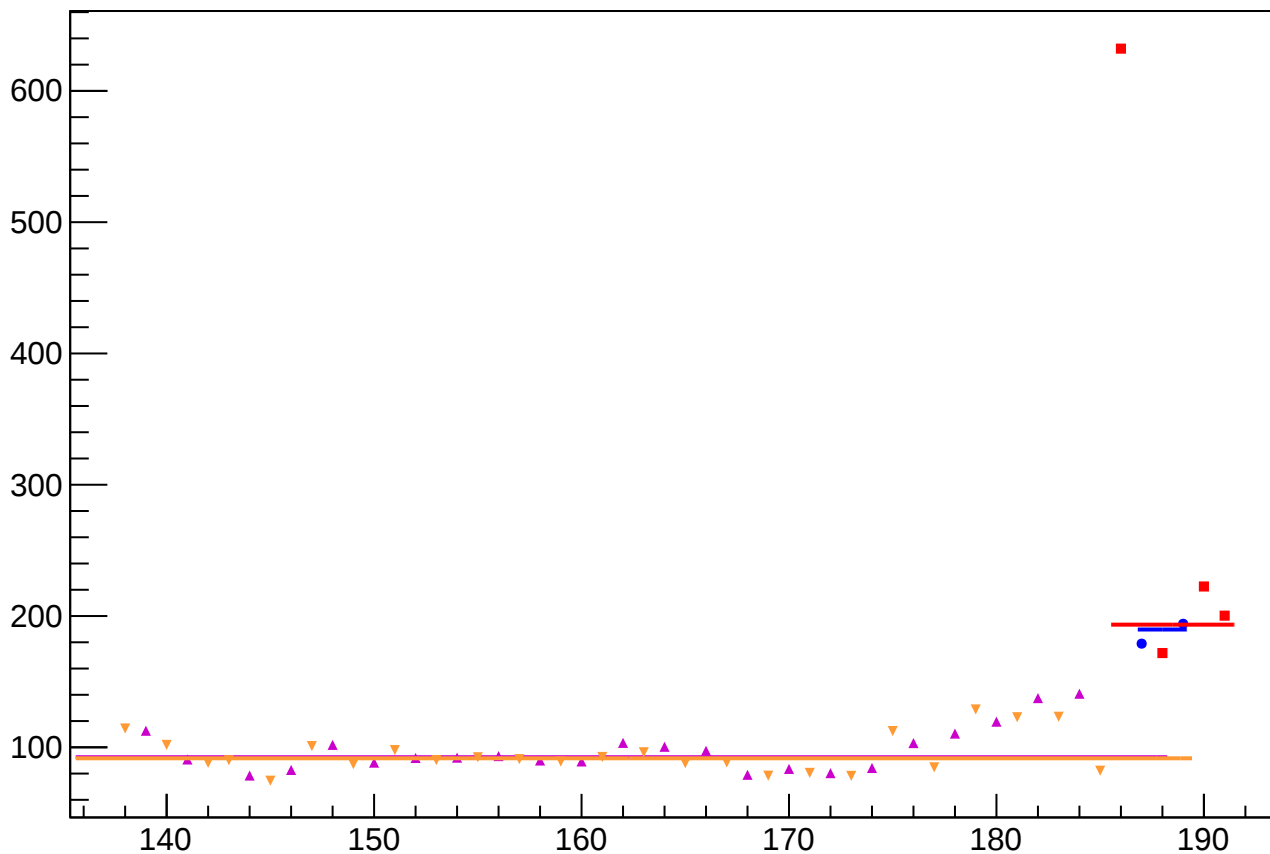
Left In: -67.552 $\pm$ 22.449 χ^2 /NDF:28.9/22

+ sign 84.657 $\pm$ 21.563 χ^2 /NDF: 28.8/26

All: 12.172 $\pm$ 15.469 χ^2 /NDF: 82.7/53

- sign -64.689 $\pm$ 22.204 χ^2 /NDF: 30.6/26

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: 193.422 $\pm$ 0.106 χ^2 /NDF: 394754.3/3

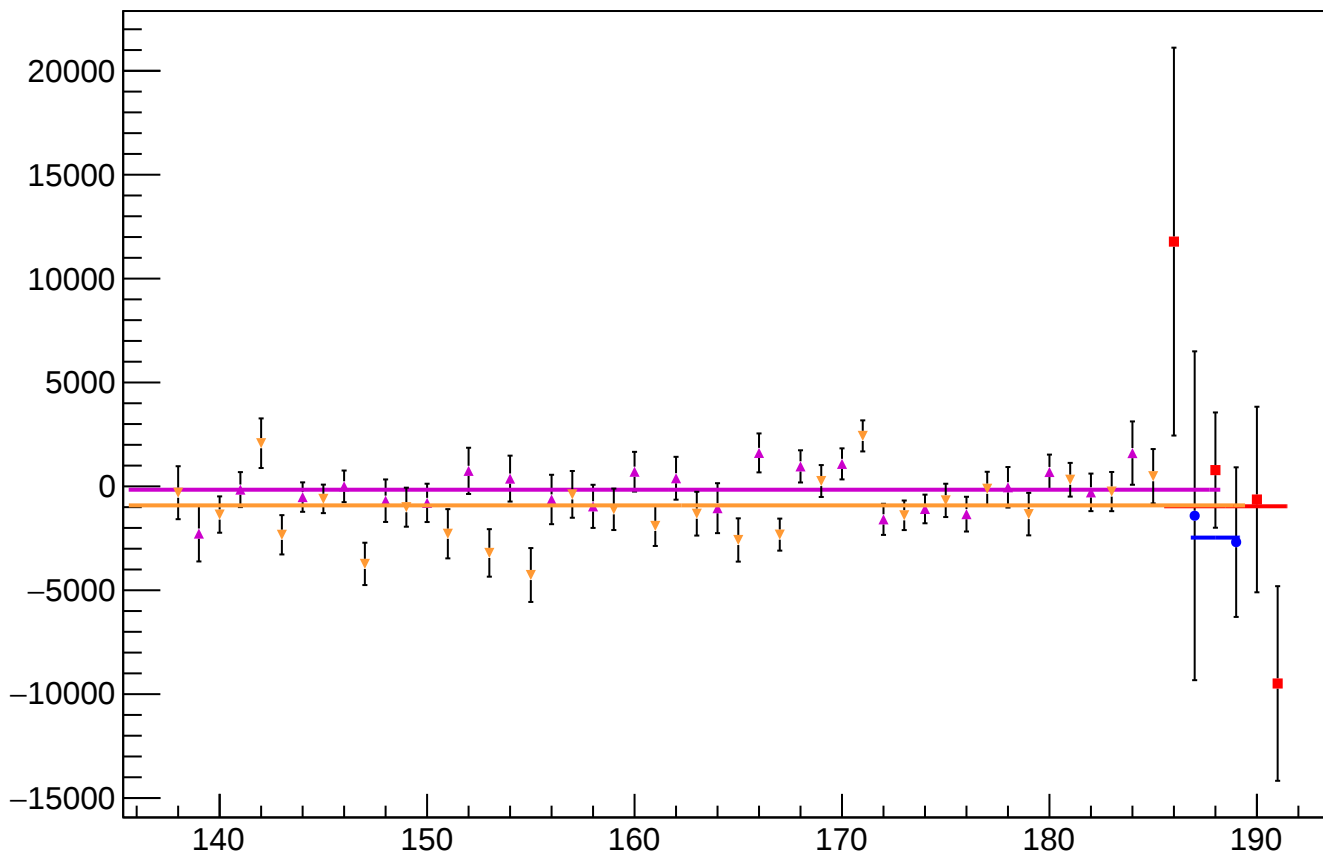
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF:655700.4/22

+ sign 92.359 $\pm$ 0.015 χ^2 /NDF: 998849.2/26

All: 93.476 $\pm$ 0.011 χ^2 /NDF: 2939685.8/53

- sign 94.661 $\pm$ 0.016 χ^2 /NDF: 1929776.7/26

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: -958.141 ± 2053.394 χ^2/NDF : 5.6/3

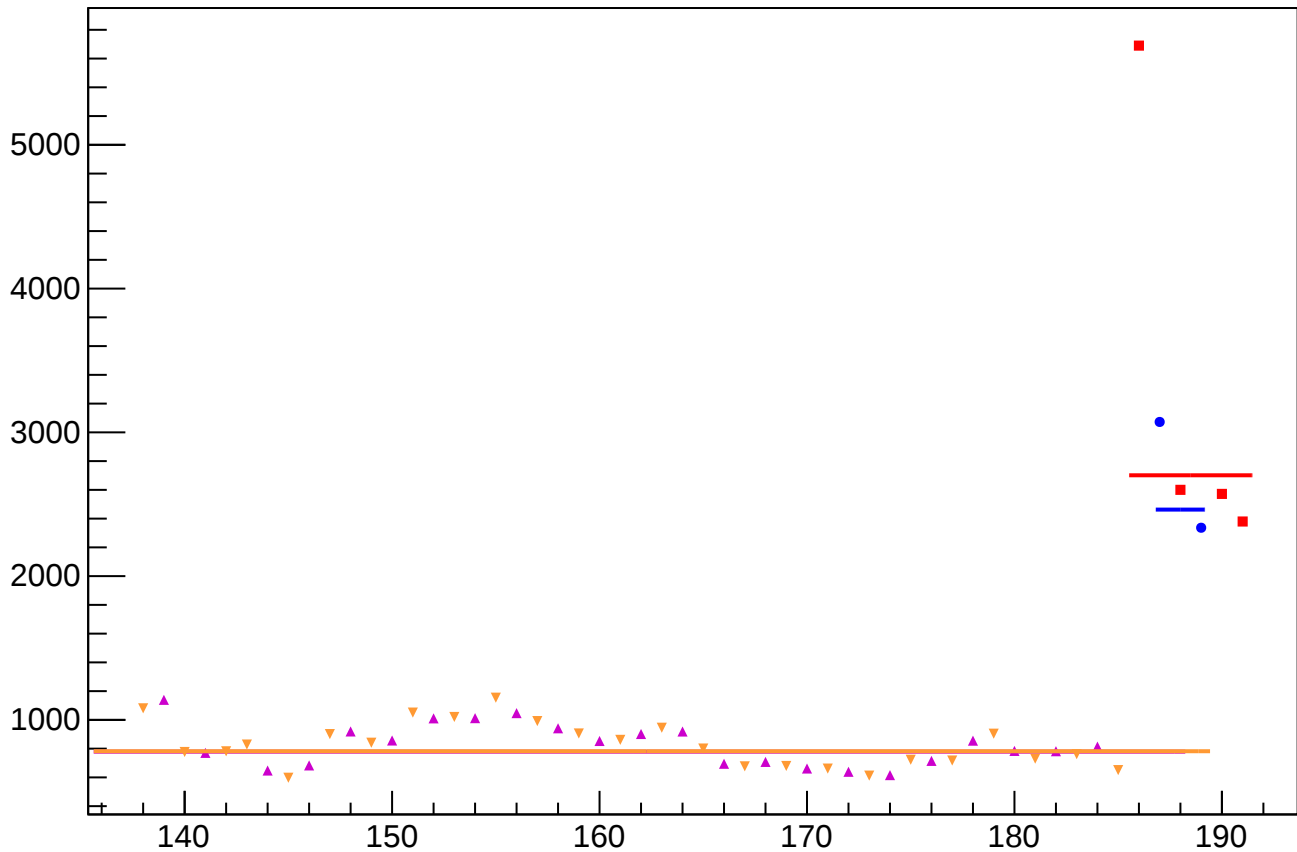
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -919.663 ± 185.045 χ^2/NDF : 64.4/26

All: -551.065 ± 132.116 χ^2/NDF : 103.3/53

- sign -167.807 ± 188.689 χ^2/NDF : 30.8/26

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: 2701.398 $\pm$ 1.452 χ^2 /NDF: 218803.7/3

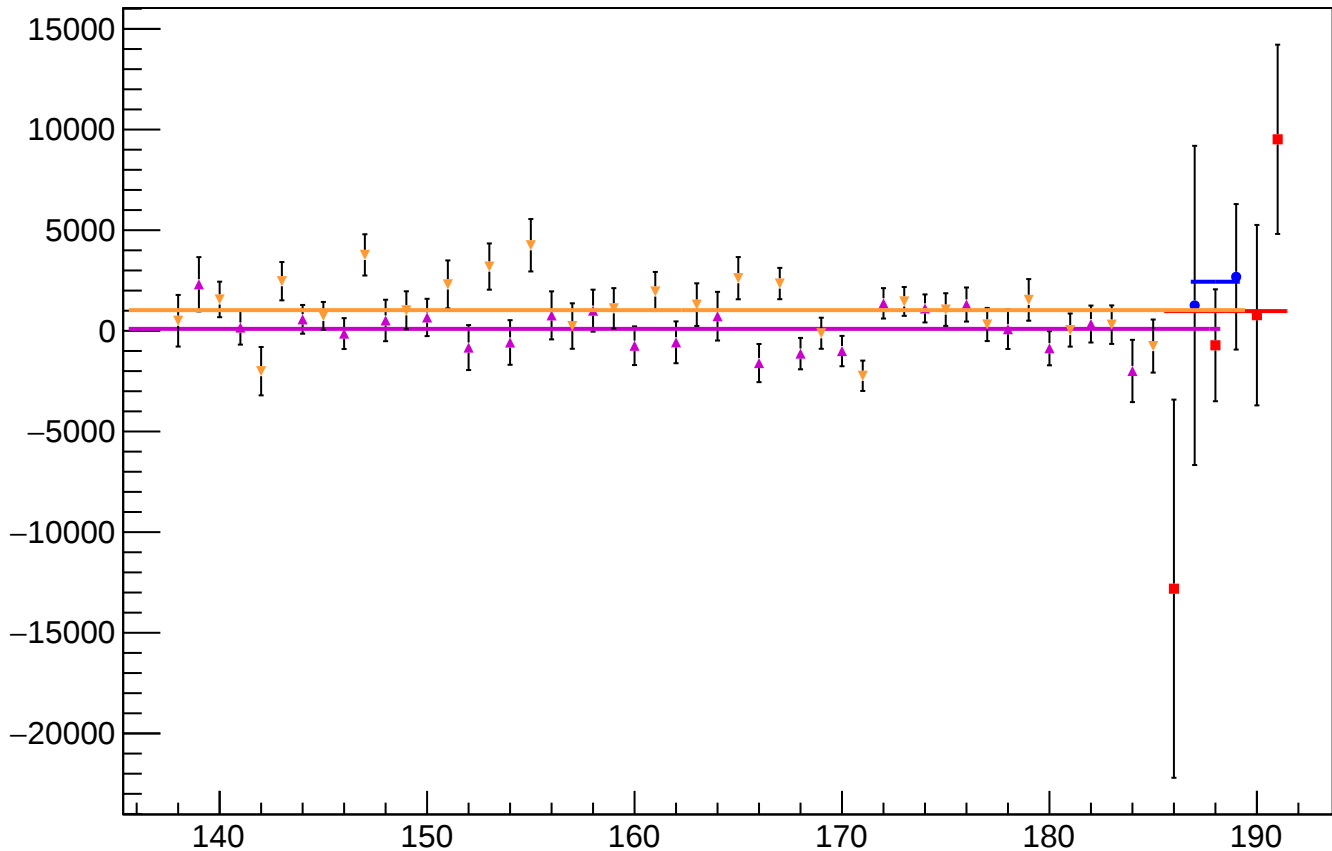
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 787.400 $\pm$ 0.131 χ^2 /NDF: 1669663.8/26

All: 791.238 $\pm$ 0.093 χ^2 /NDF: 4608634.1/53

- sign 795.227 $\pm$ 0.133 χ^2 /NDF: 2937216.0/26

asym_sam_3748_avg_mean vs Slug



Right In: 2439.763 $\pm$ 3288.332 χ^2 /NDF: 0.0/1

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF:60.2/24

Right Out: 982.041 $\pm$ 2059.959 χ^2 /NDF: 5.8/3

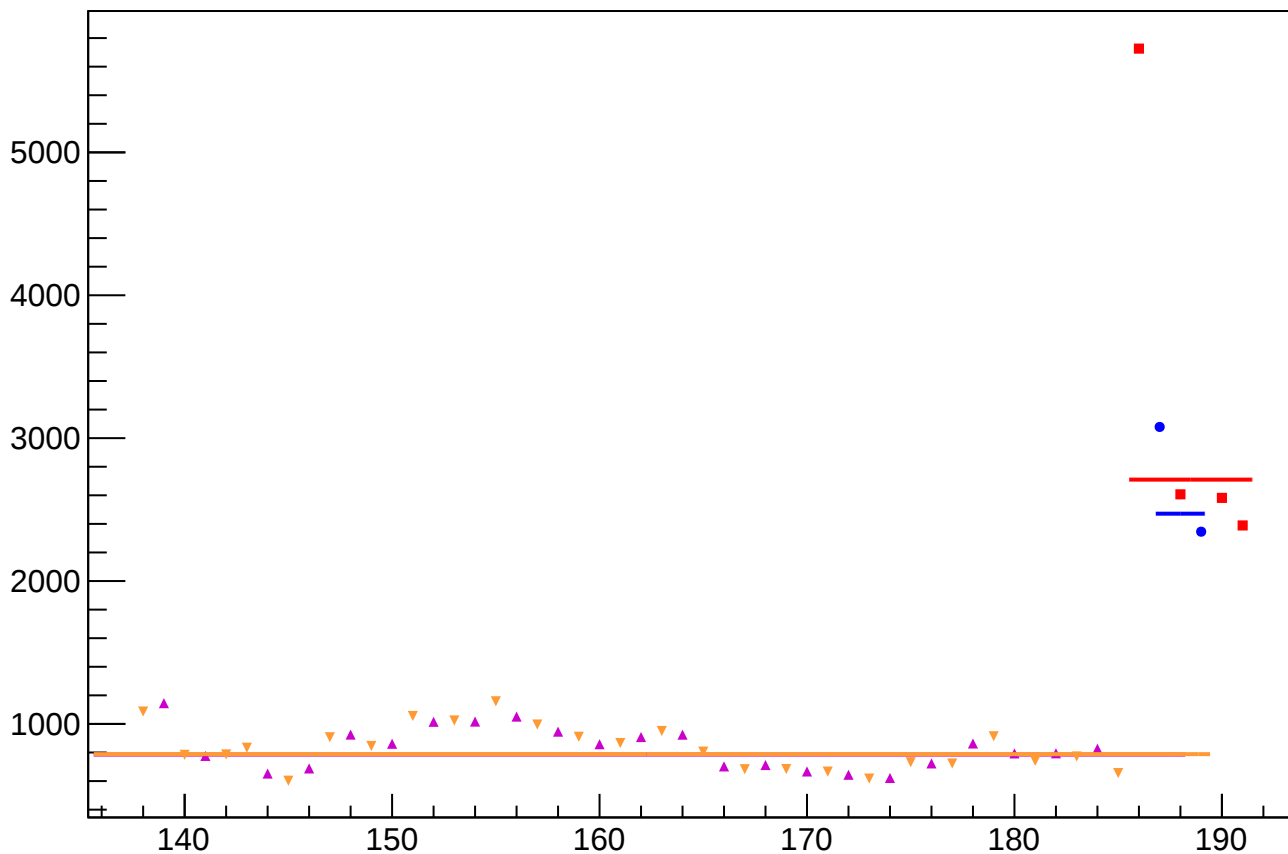
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF:25.4/22

+ sign 1033.403 $\pm$ 186.509 χ^2 /NDF: 60.4/26

All: 578.922 $\pm$ 133.171 χ^2 /NDF: 103.9/53

- sign 106.223 $\pm$ 190.211 χ^2 /NDF: 31.4/26

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: 2709.796+/-1.457 χ^2/NDF : 219895.6/3

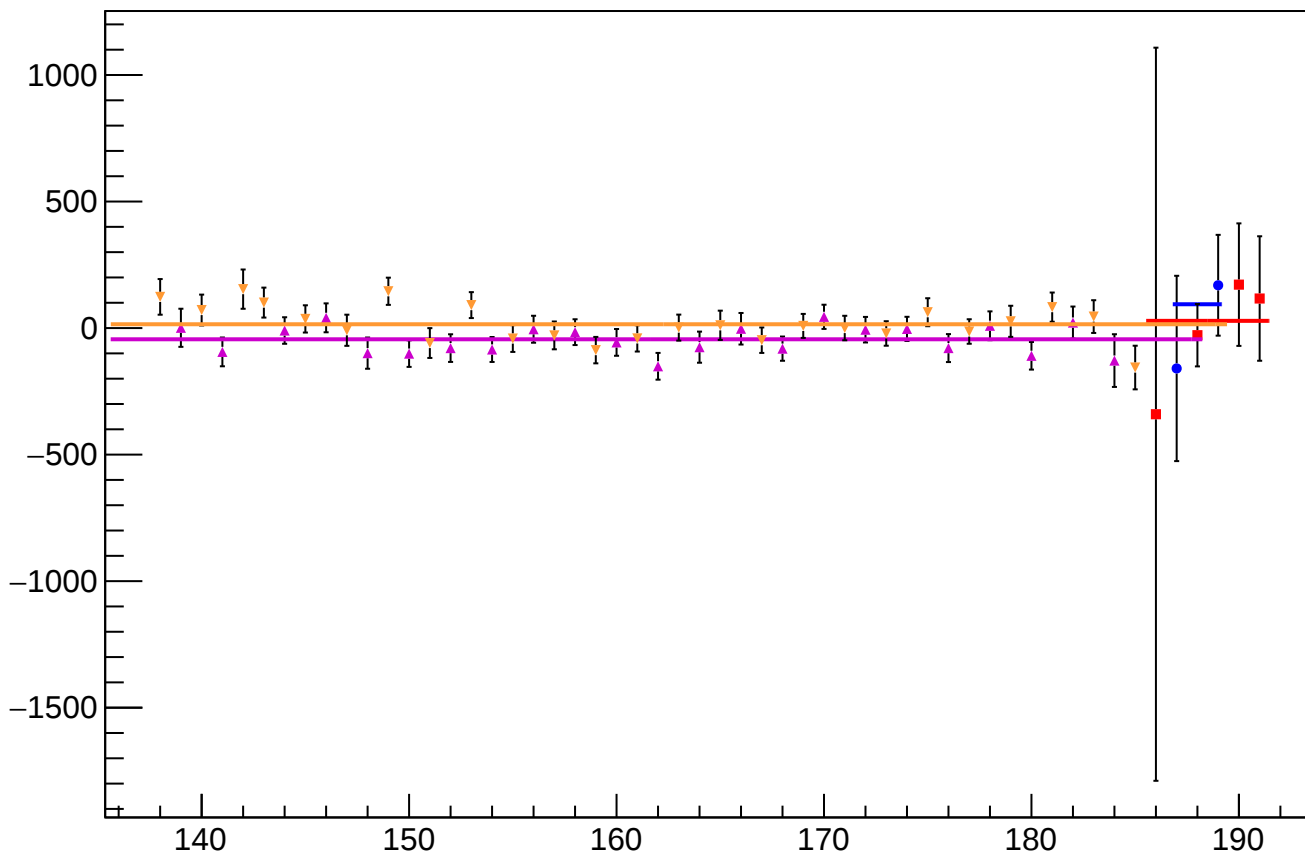
Left In: 785.490+/-0.135 χ^2/NDF :965338.9/22

+ sign 793.856+/-0.132 χ^2/NDF : 1650115.4/26

All: 797.798+/-0.094 χ^2/NDF : 4567553.9/53

- sign 801.897+/-0.134 χ^2/NDF : 2915616.3/26

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: 28.538 $\pm$ 100.074 χ^2 /NDF: 0.8/3

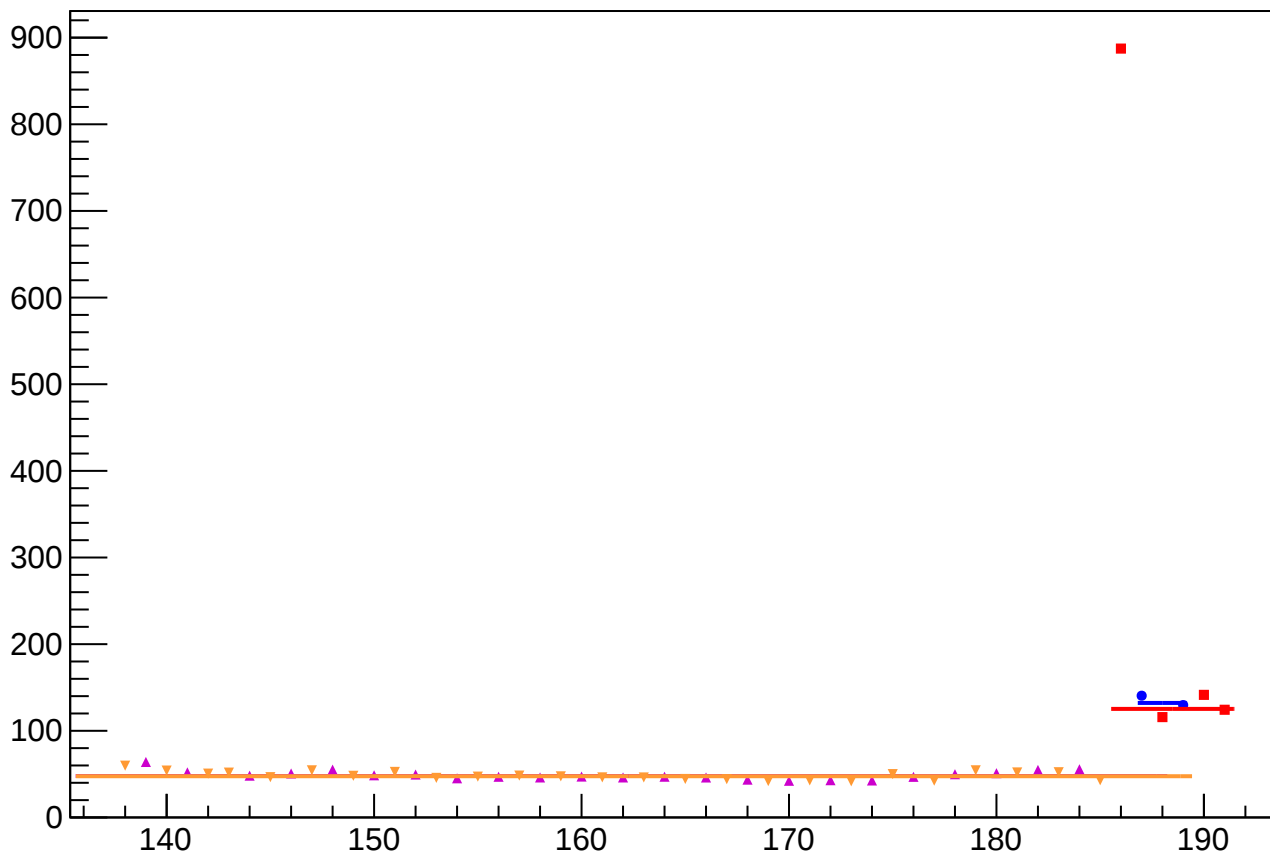
Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 15.419 $\pm$ 11.132 χ^2 /NDF: 35.0/26

All: -13.124 $\pm$ 7.983 χ^2 /NDF: 72.1/53

- sign -43.343 $\pm$ 11.454 χ^2 /NDF: 23.6/26

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: 125.290 $\pm$ 0.071 χ^2 /NDF: 574424.6/3

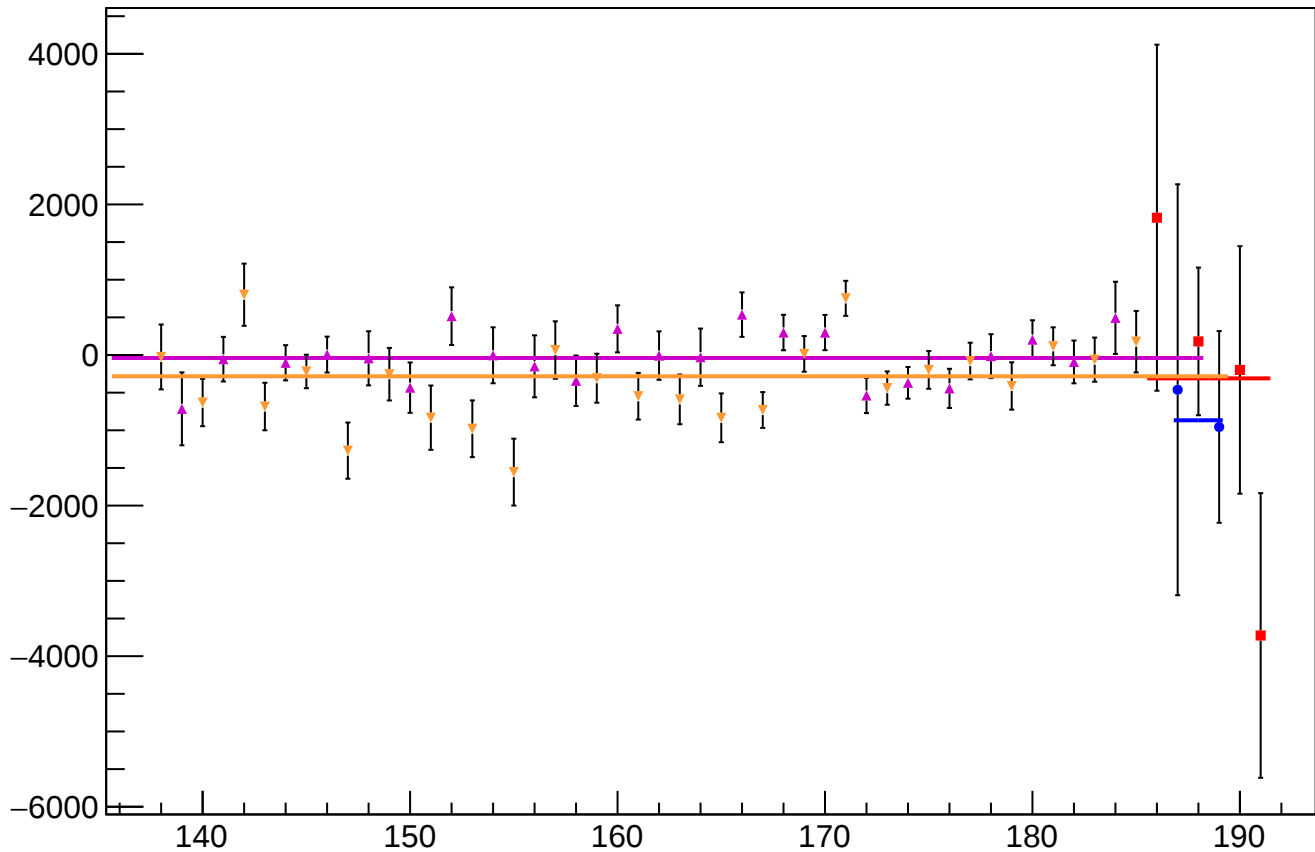
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 47.929 $\pm$ 0.008 χ^2 /NDF: 779711.3/26

All: 48.381 $\pm$ 0.006 χ^2 /NDF: 2824775.6/53

- sign 48.861 $\pm$ 0.008 χ^2 /NDF: 2038254.8/26

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: -310.157+/-729.433 χ^2/NDF : 4.4/3

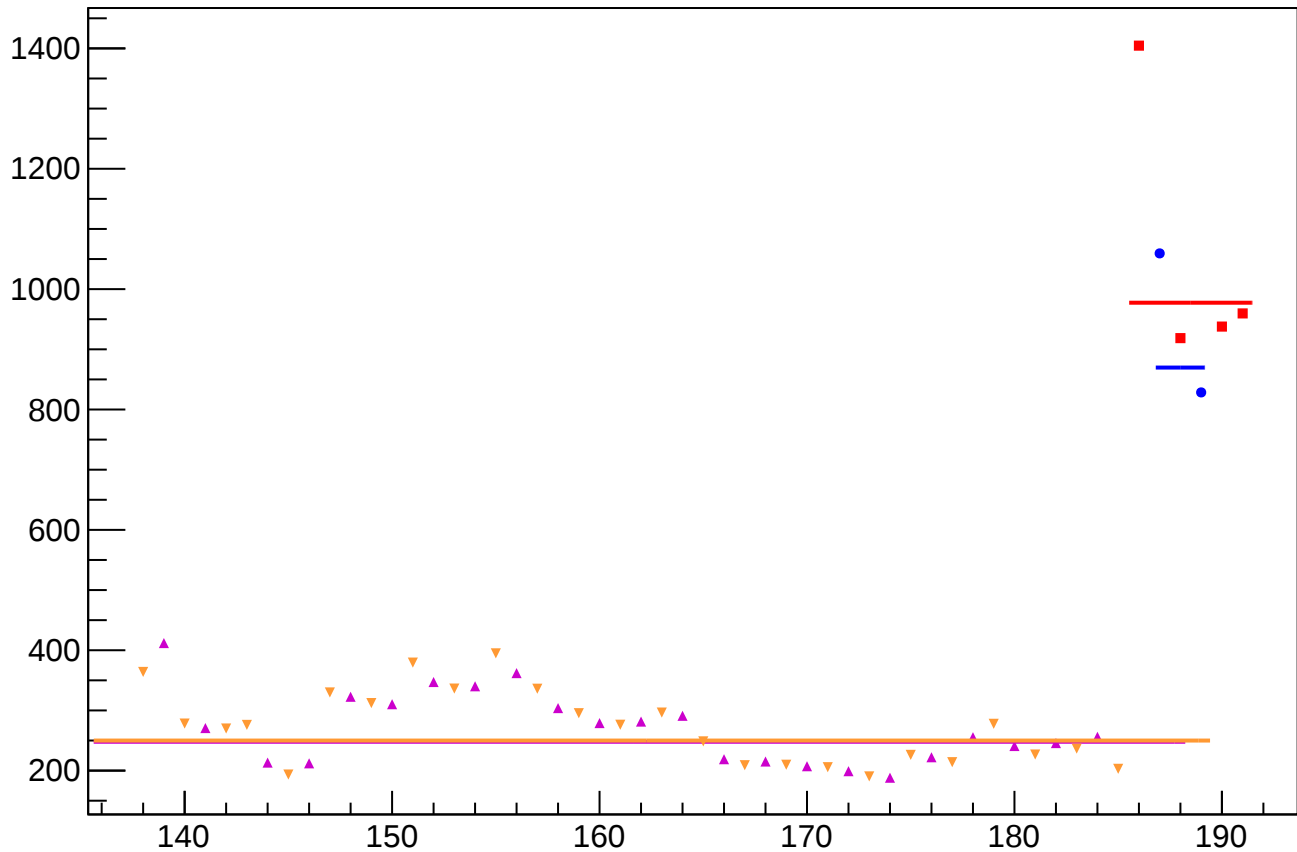
Left In: -39.432+/-60.759 χ^2/NDF : 27.5/22

+ sign -284.358+/-59.610 χ^2/NDF : 66.8/26

All: -164.727+/-42.479 χ^2/NDF : 107.0/53

- sign -41.297+/-60.549 χ^2/NDF : 32.1/26

asym_sam_1526_avg_correction_rms vs Slug



Right In: 869.689 $\pm$ 0.816 χ^2 /NDF: 11766.9/1

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF: 1614205.9/24

Right Out: 977.443 $\pm$ 0.516 χ^2 /NDF: 77624.0/3

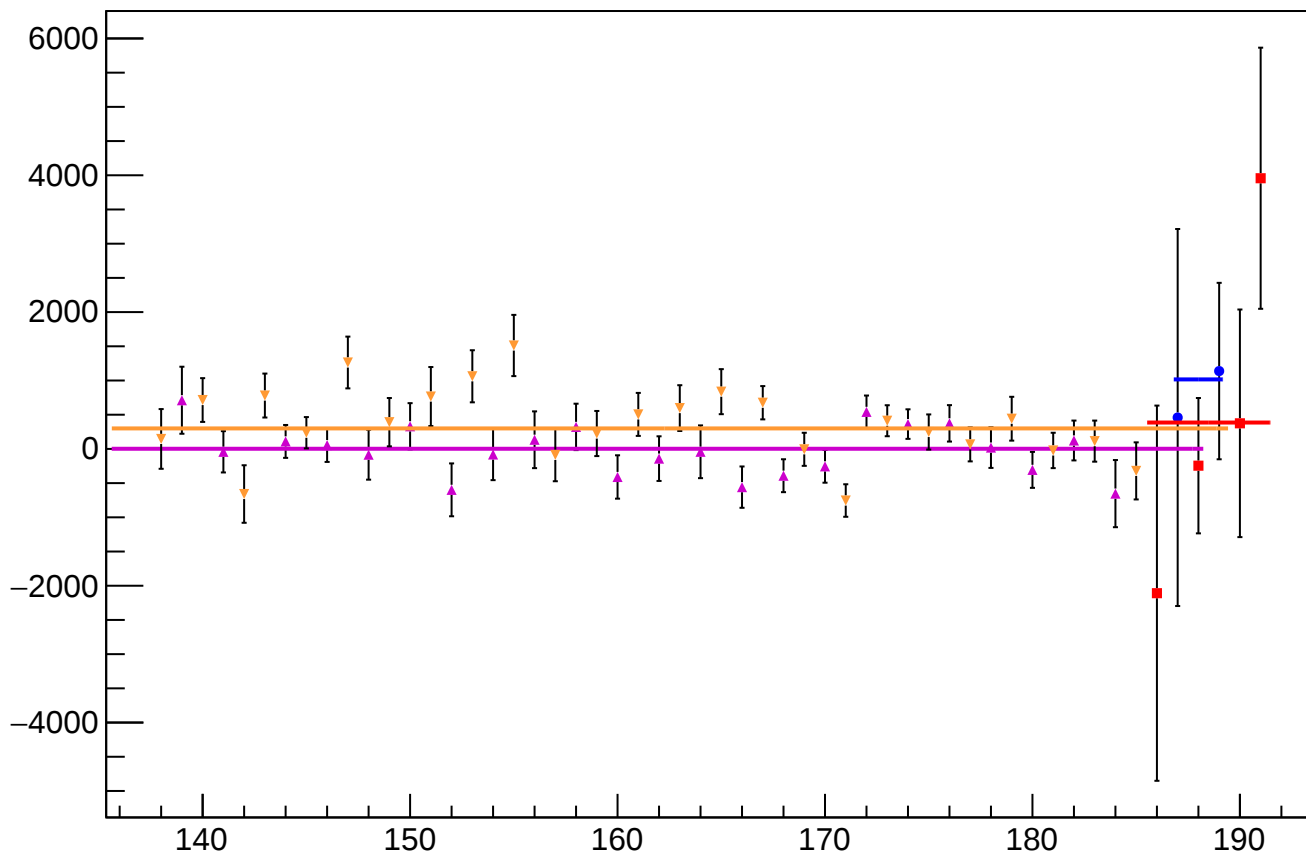
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF: 1410847.5/22

+ sign 251.610 $\pm$ 0.042 χ^2 /NDF: 2201366.3/26

All: 252.267 $\pm$ 0.030 χ^2 /NDF: 5677054.6/53

- sign 252.944 $\pm$ 0.043 χ^2 /NDF: 3475196.0/26

asym_sam_1526_avg_mean vs Slug



Right In: 1016.027+/-1167.997 χ^2/NDF : 0.0/1

Left Out: 299.562+/-60.860 χ^2/NDF : 62.5/24

Right Out: 385.581+/-747.311 χ^2/NDF : 4.7/3

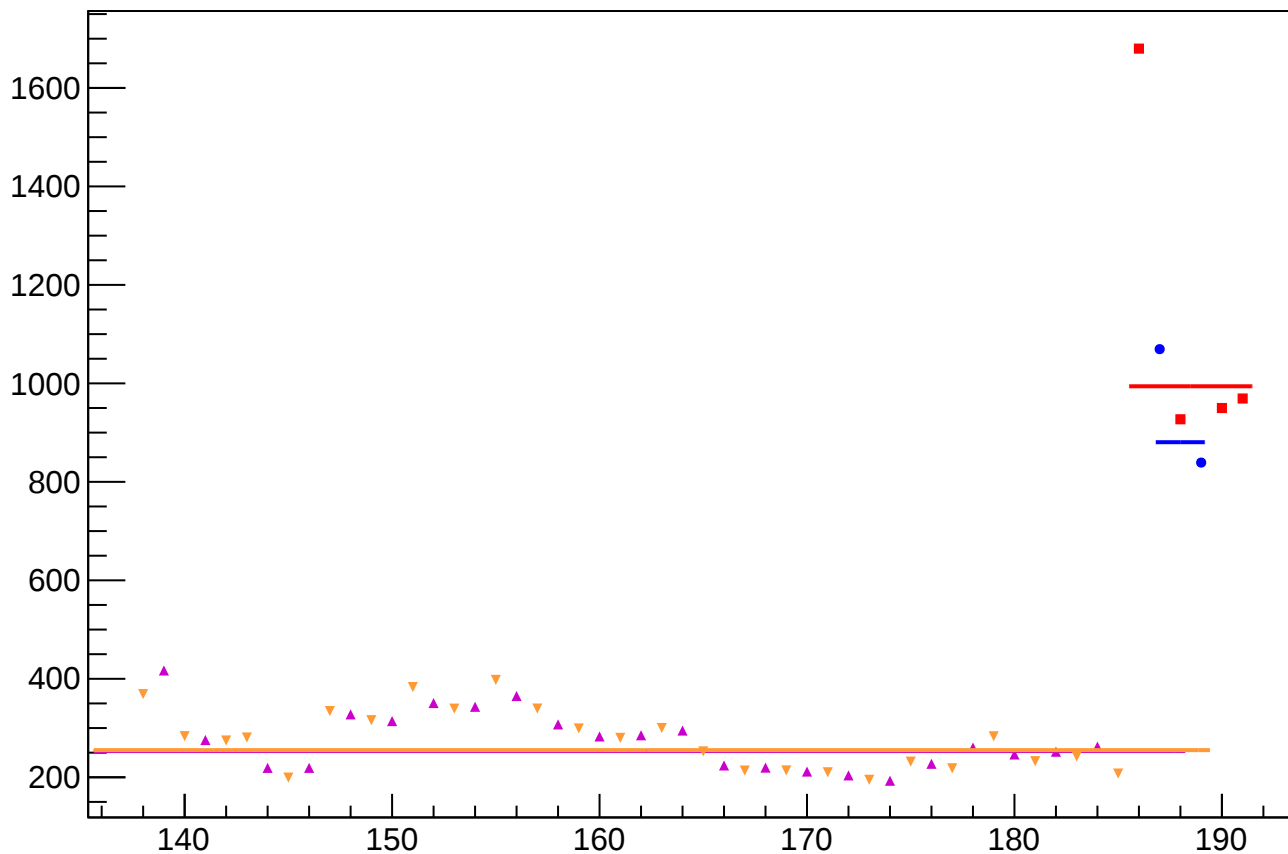
Left In: 2.185+/-62.005 χ^2/NDF : 29.2/22

+ sign 301.502+/-60.777 χ^2/NDF : 62.9/26

All: 155.612+/-43.330 χ^2/NDF : 108.8/53

- sign 4.806+/-61.792 χ^2/NDF : 34.2/26

asym_sam_1526_avg_rms vs Slug



Right In: 880.517+/-0.826 χ^2/NDF : 11468.6/1

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 994.075+/-0.528 χ^2/NDF : 135969.0/3

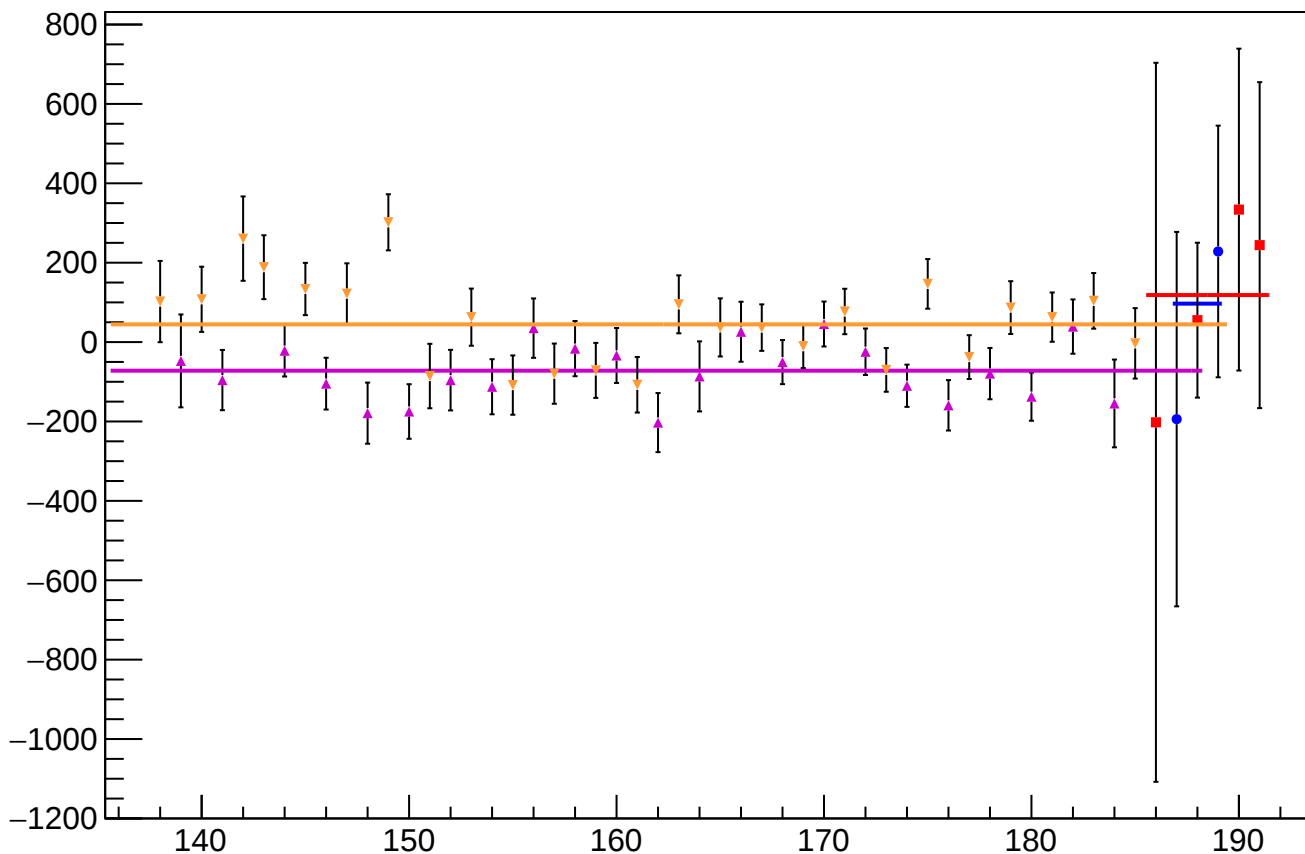
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 256.829+/-0.043 χ^2/NDF : 2125327.8/26

All: 257.578+/-0.031 χ^2/NDF : 5555375.5/53

- sign 258.352+/-0.044 χ^2/NDF : 3429429.8/26

reg_asym_sam_3726_avg_mean vs Slug



Right In: 96.858+/-263.099 χ^2/NDF : 0.6/1

Left Out: 44.602+/-13.824 χ^2/NDF : 53.9/24

Right Out: 118.514+/-159.095 χ^2/NDF : 0.6/3

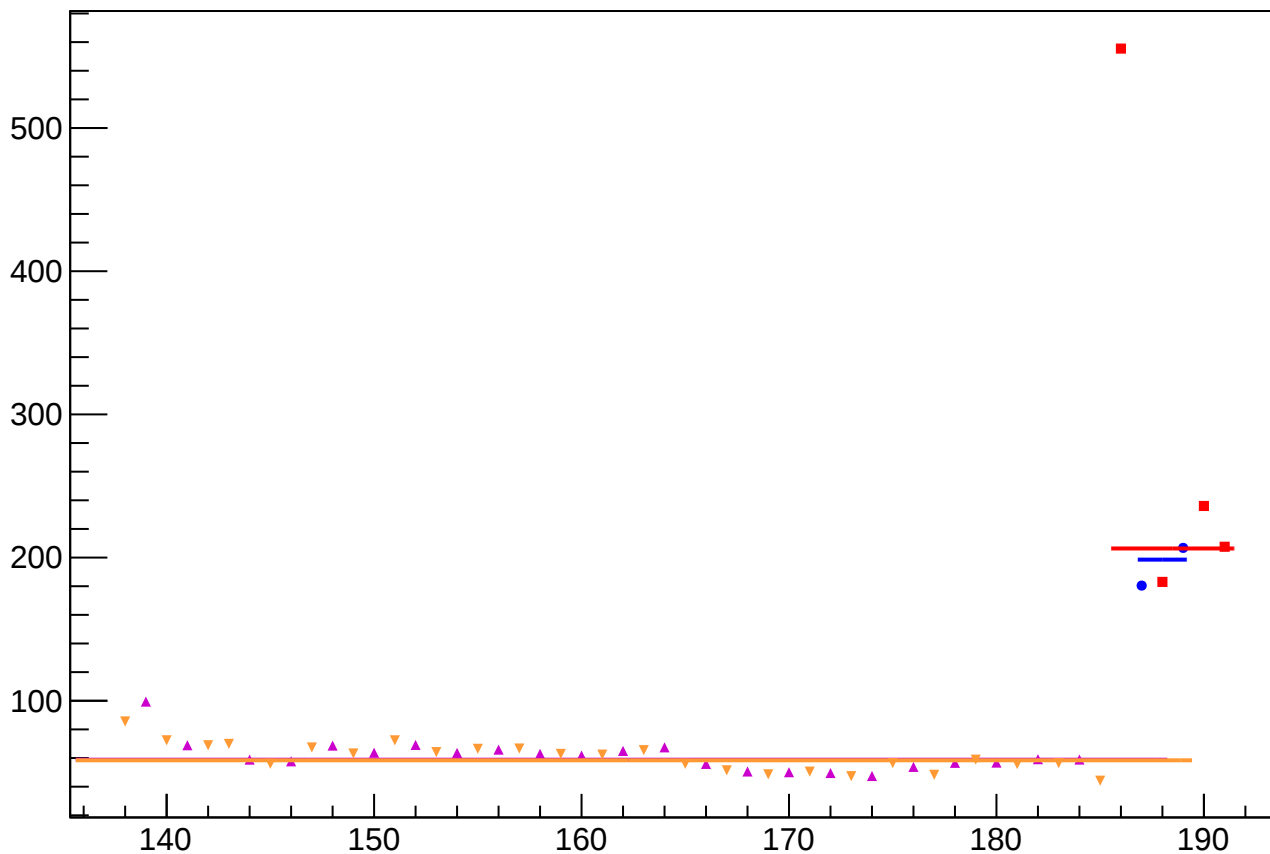
Left In: -72.037+/-14.296 χ^2/NDF : 25.3/22

+ sign 44.746+/-13.805 χ^2/NDF : 54.5/26

All: -11.100+/-9.912 χ^2/NDF : 115.6/53

- sign -70.511+/-14.239 χ^2/NDF : 27.3/26

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: 206.358 $\pm$ 0.112 χ^2 /NDF: 336574.9/3

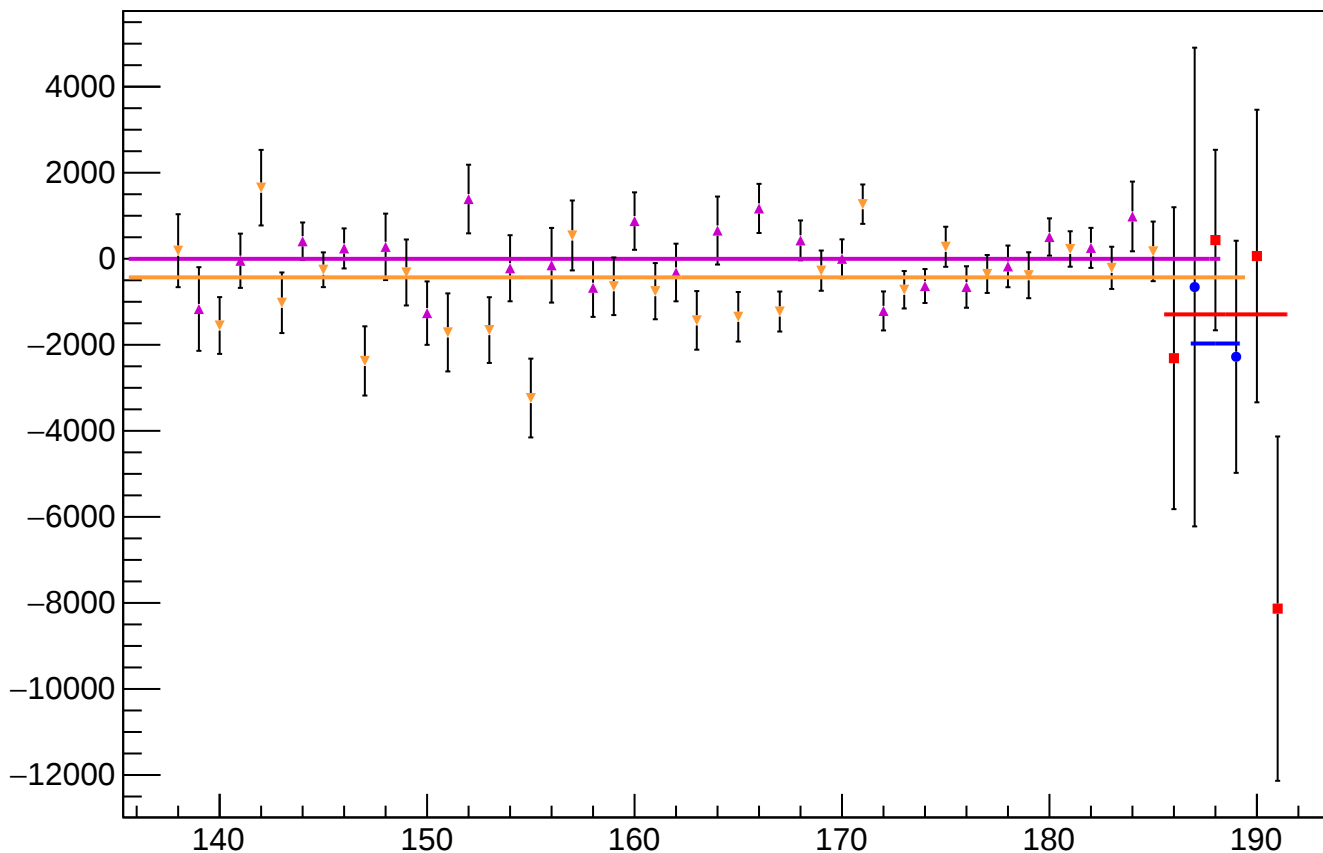
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 58.809 $\pm$ 0.010 χ^2 /NDF: 1360358.3/26

All: 59.396 $\pm$ 0.007 χ^2 /NDF: 4090097.5/53

- sign 60.021 $\pm$ 0.010 χ^2 /NDF: 2722261.3/26

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1969.950 ± 2427.505 $\chi^2/\text{NDF}: 0.1/1$

Left Out: -432.330 ± 114.408 $\chi^2/\text{NDF}: 59.4/24$

Right Out: -1292.597 ± 1478.655 $\chi^2/\text{NDF}: 3.8/3$

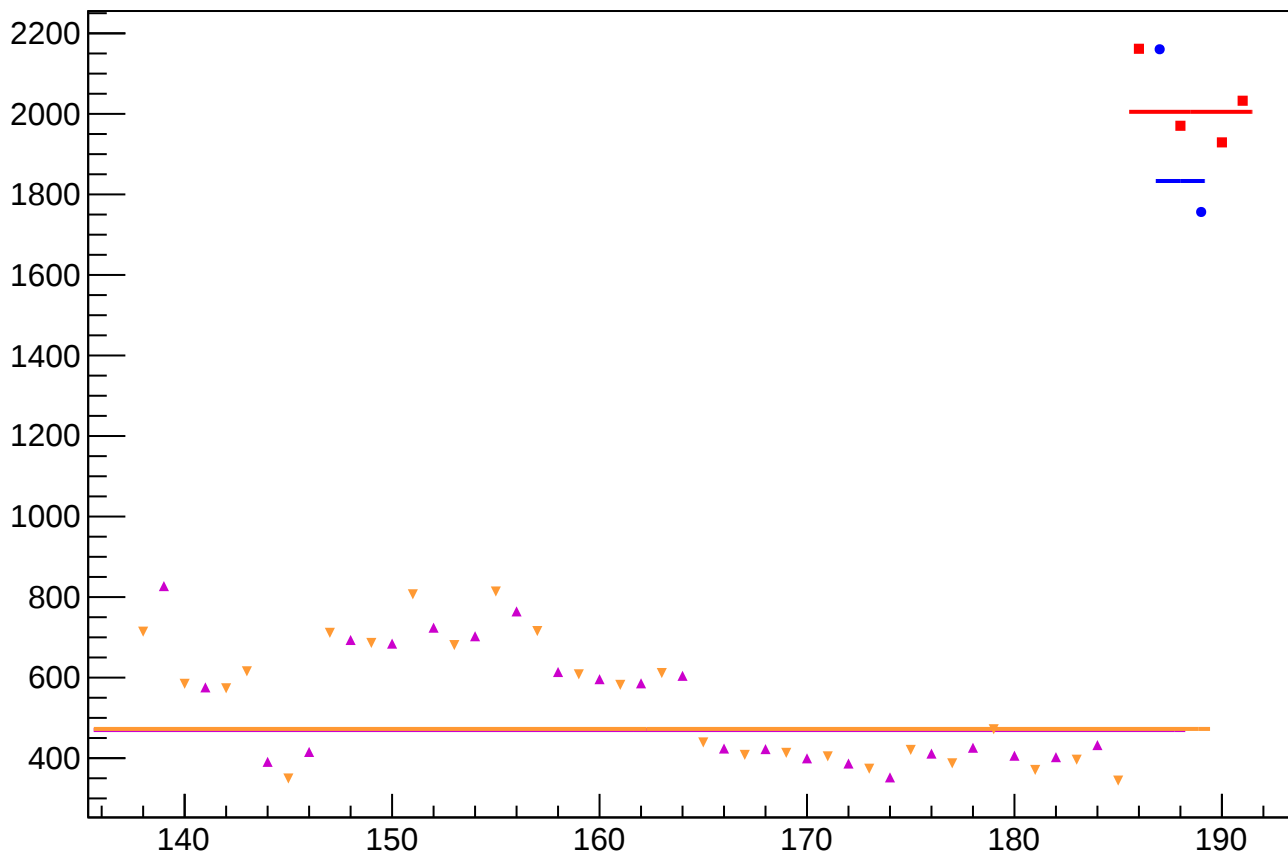
Left In: -1.825 ± 116.459 $\chi^2/\text{NDF}: 32.3/22$

+ sign -435.738 ± 114.281 $\chi^2/\text{NDF}: 59.9/26$

All: -226.121 ± 81.444 $\chi^2/\text{NDF}: 103.6/53$

- sign -9.783 ± 116.099 $\chi^2/\text{NDF}: 36.9/26$

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: 2005.120+/-1.046 χ^2/NDF : 5619.1/3

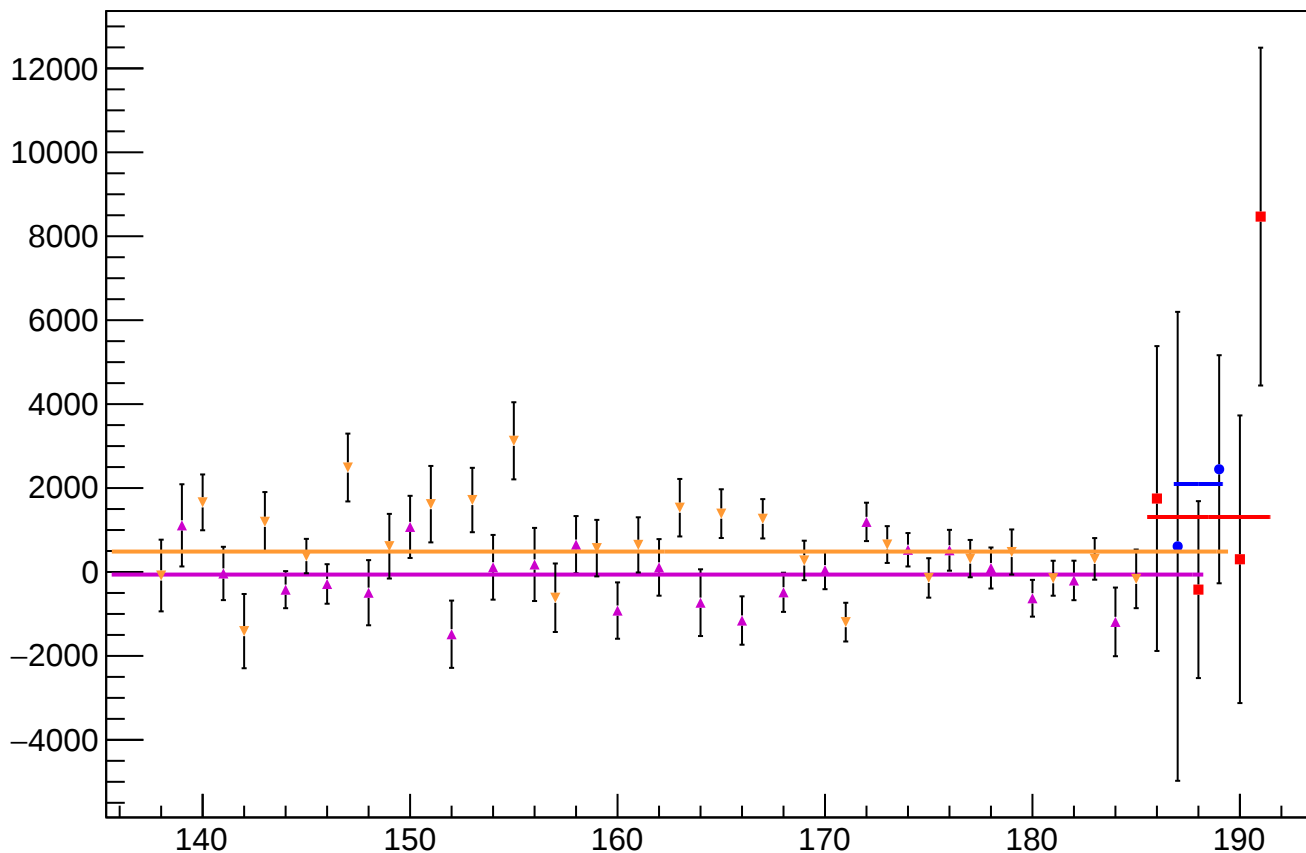
Left In: 469.761+/-0.082 χ^2/NDF : 2116885.7/22

+ sign 475.585+/-0.081 χ^2/NDF : 3143767.0/26

All: 477.377+/-0.058 χ^2/NDF : 7410311.1/53

- sign 479.227+/-0.082 χ^2/NDF : 4265544.5/26

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: 1310.230 $\pm$ 1494.526 χ^2 /NDF: 3.9/3

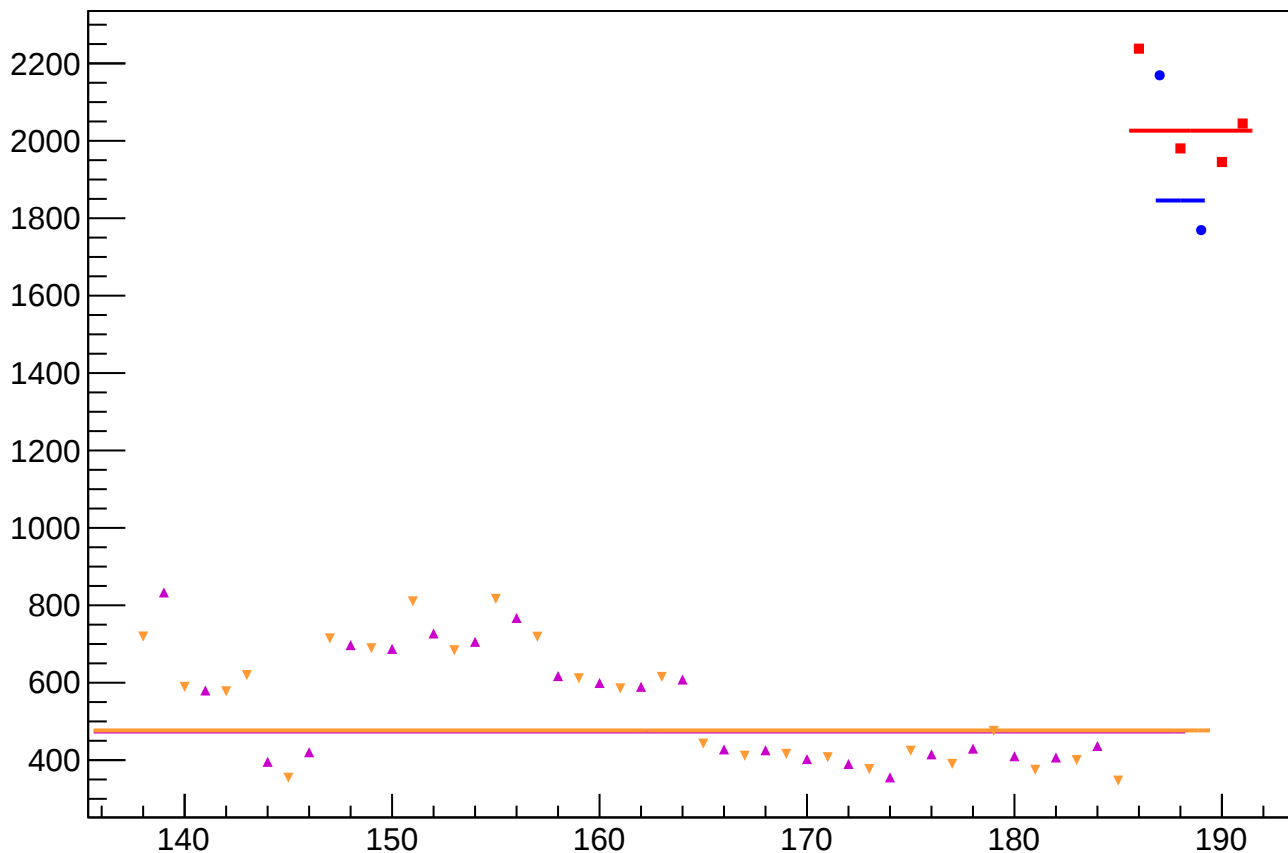
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 490.224 $\pm$ 115.218 χ^2 /NDF: 56.5/26

All: 222.811 $\pm$ 82.124 χ^2 /NDF: 103.4/53

- sign -53.354 $\pm$ 117.088 χ^2 /NDF: 35.9/26

asym_sam_3726_avg_rms vs Slug



Right In: 1845.834 $\pm$ 1.728 χ^2 /NDF: 8285.0/1

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF: 2472737.6/24

Right Out: 2026.211 $\pm$ 1.057 χ^2 /NDF: 8908.4/3

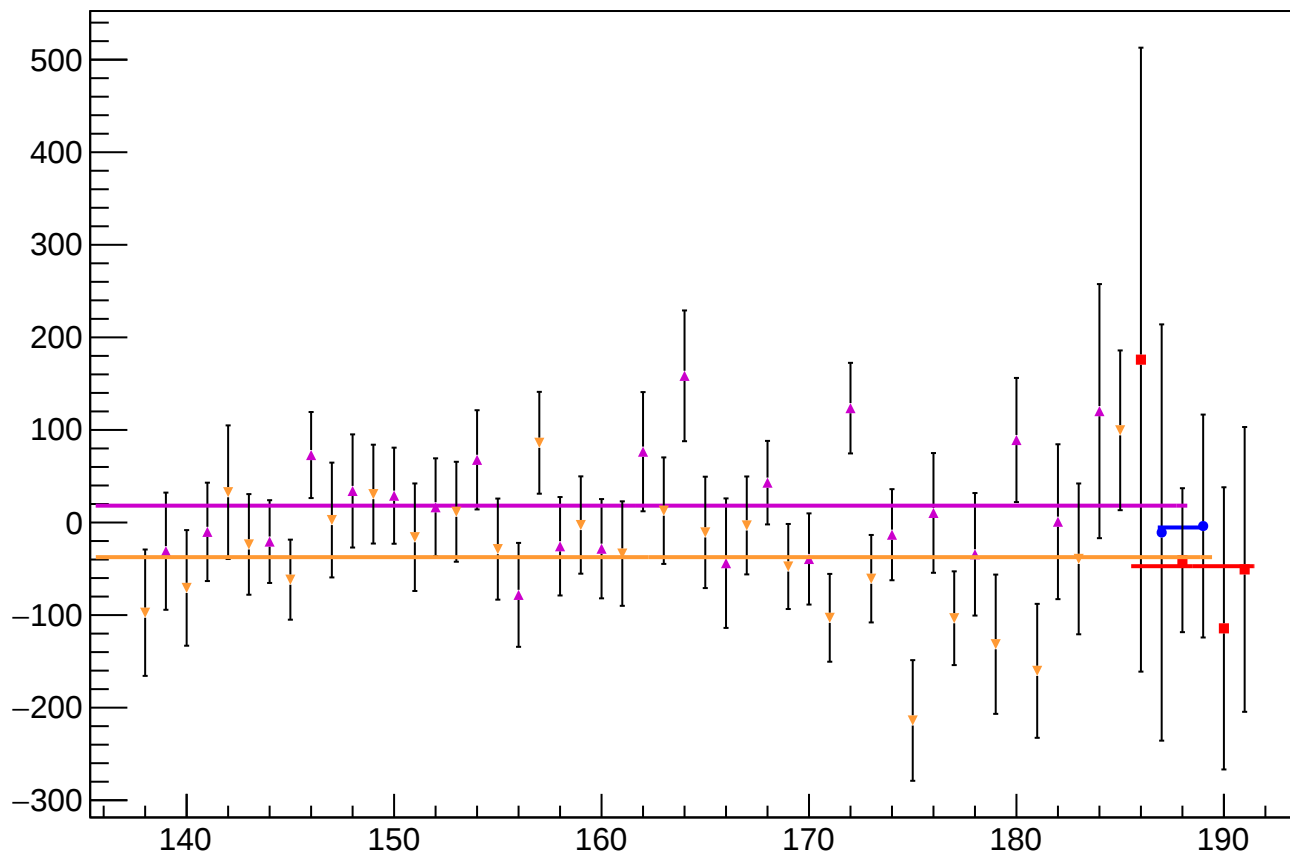
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF: 2087113.7/22

+ sign 479.734 $\pm$ 0.081 χ^2 /NDF: 3107450.9/26

All: 481.592 $\pm$ 0.058 χ^2 /NDF: 7348703.4/53

- sign 483.511 $\pm$ 0.083 χ^2 /NDF: 4240195.1/26

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: -47.187 ± 62.075 χ^2/NDF : 0.6/3

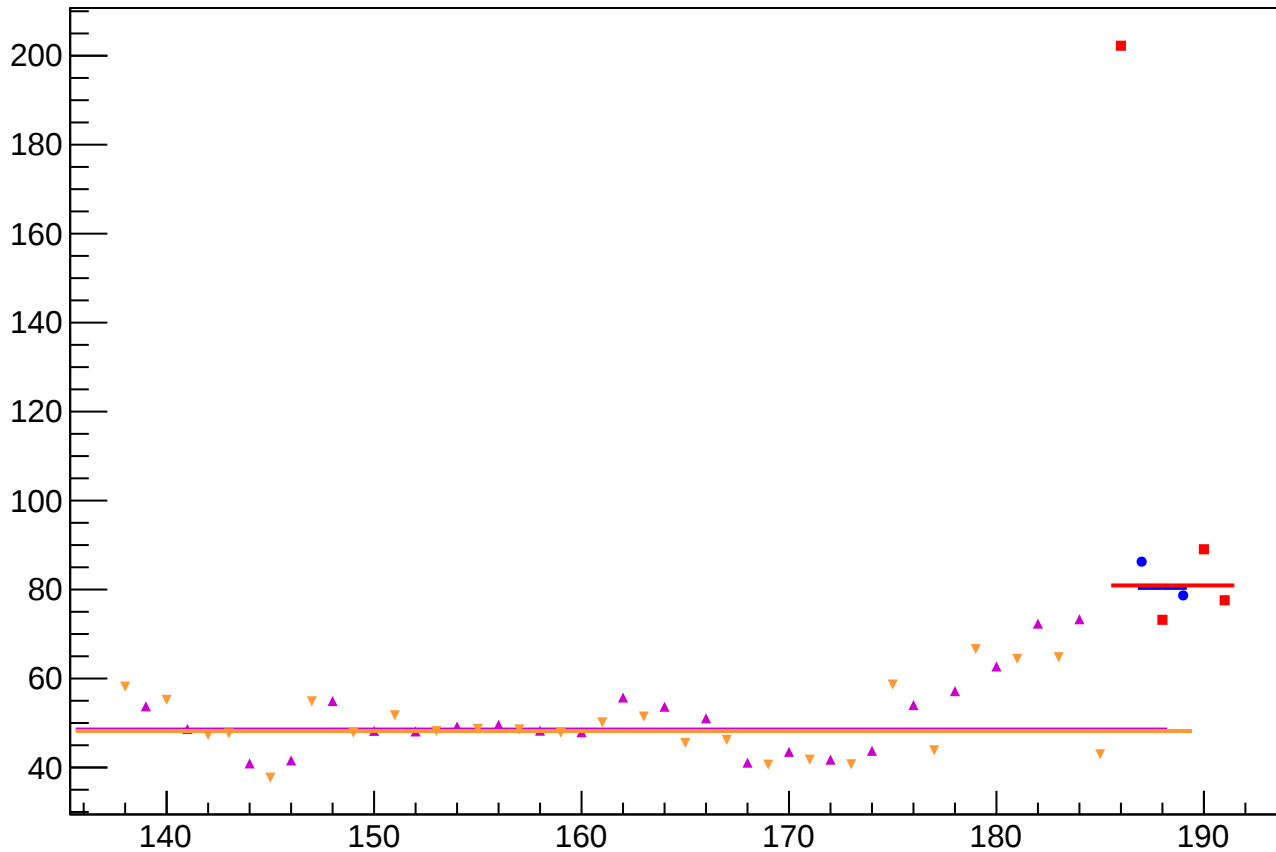
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -37.048 ± 11.325 χ^2/NDF : 30.6/26

All: -11.149 ± 8.097 χ^2/NDF : 66.0/53

- sign 15.934 ± 11.581 χ^2/NDF : 24.7/26

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: 80.922 $\pm$ 0.044 χ^2 /NDF: 285529.2/3

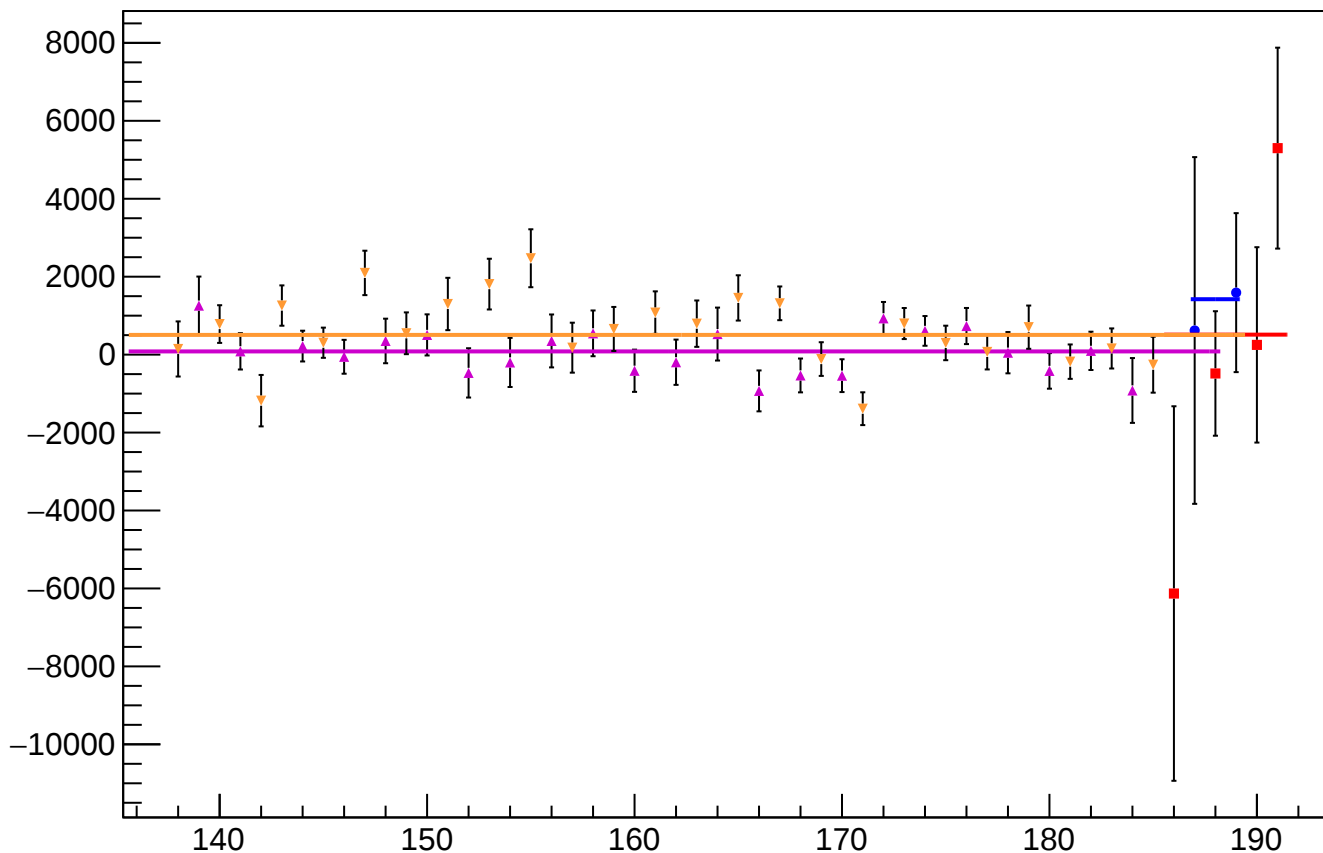
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 48.566 $\pm$ 0.008 χ^2 /NDF: 933619.9/26

All: 49.098 $\pm$ 0.006 χ^2 /NDF: 2429267.8/53

- sign 49.654 $\pm$ 0.008 χ^2 /NDF: 1486617.8/26

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: 513.017 ± 1158.706 χ^2/NDF : 5.8/3

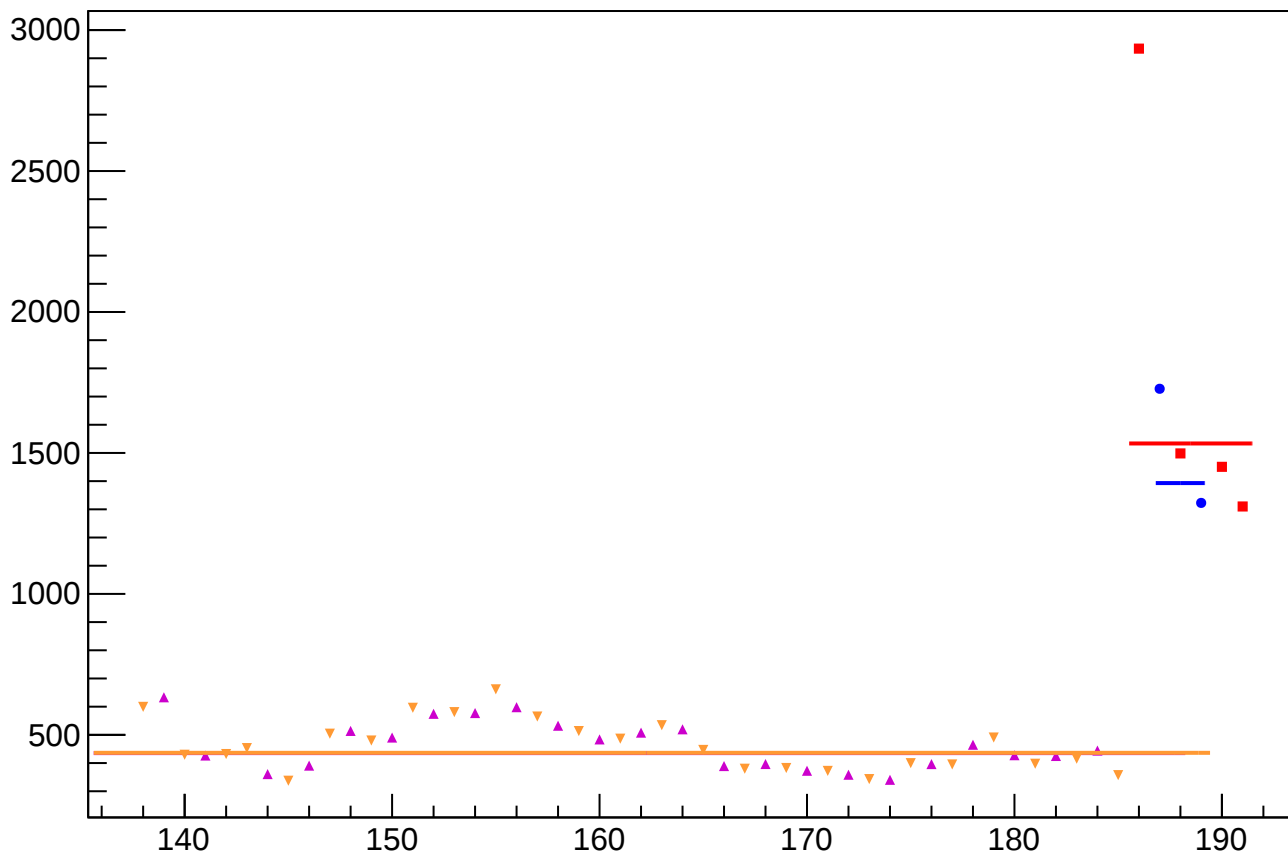
Left In: 82.421 ± 105.935 χ^2/NDF : 25.3/22

+ sign 509.048 ± 103.307 χ^2/NDF : 66.0/26

All: 301.952 ± 73.811 χ^2/NDF : 105.4/53

- sign 85.990 ± 105.495 χ^2/NDF : 31.2/26

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1393.128+/-1.311 χ^2 /NDF: 13686.1/1

Left Out: 436.301+/-0.073 χ^2 /NDF:1179348.4/24

Right Out: 1533.627+/-0.819 χ^2 /NDF: 188086.3/3

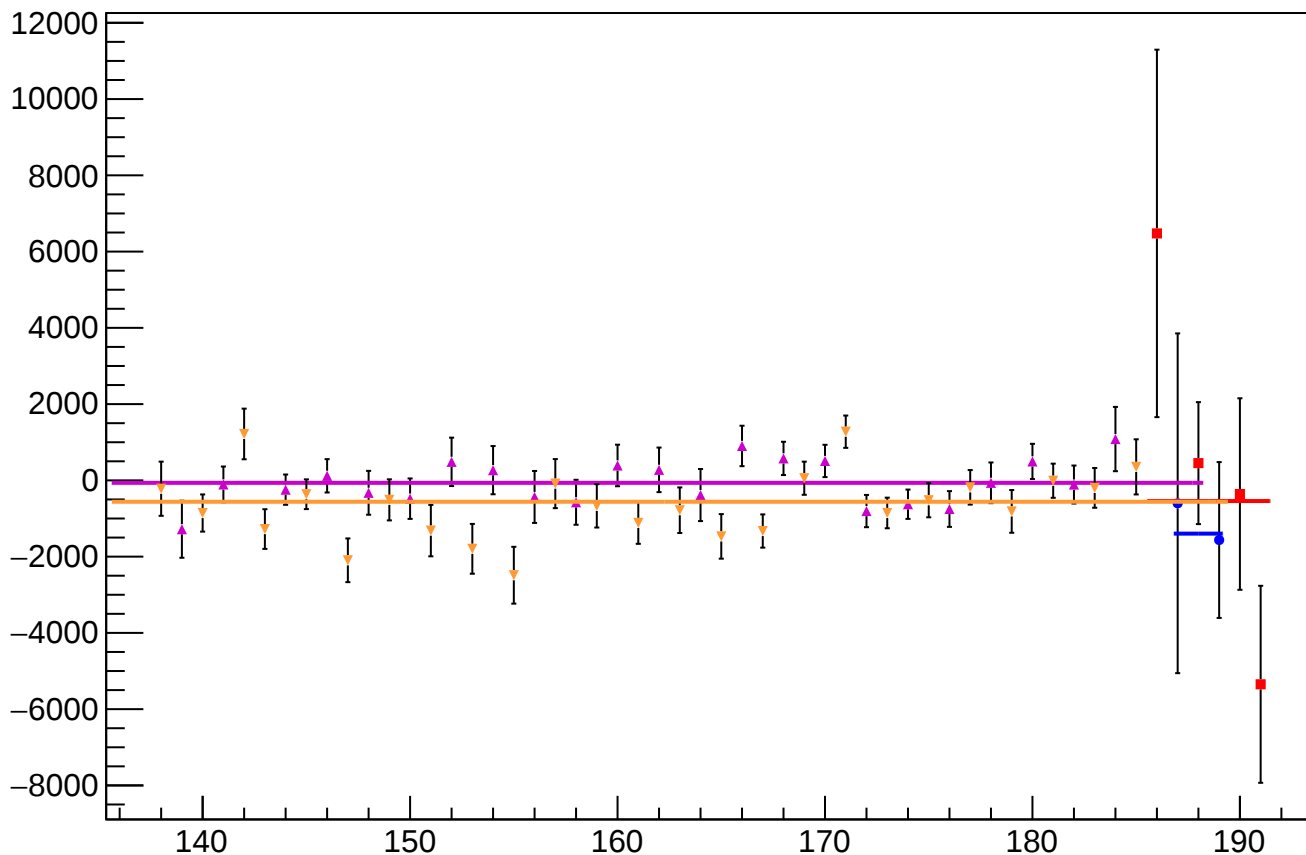
Left In: 435.275+/-0.075 χ^2 /NDF:1027713.1/22

+ sign 439.272+/-0.073 χ^2 /NDF: 1723946.9/26

All: 441.772+/-0.052 χ^2 /NDF: 4724320.1/53

- sign 444.380+/-0.075 χ^2 /NDF: 2997979.6/26

asym_sam_15_48_dd_mean vs Slug



Right In: -1396.554 ± 1857.539 χ^2/NDF : 0.0/1

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -542.120 ± 1160.601 χ^2/NDF : 6.0/3

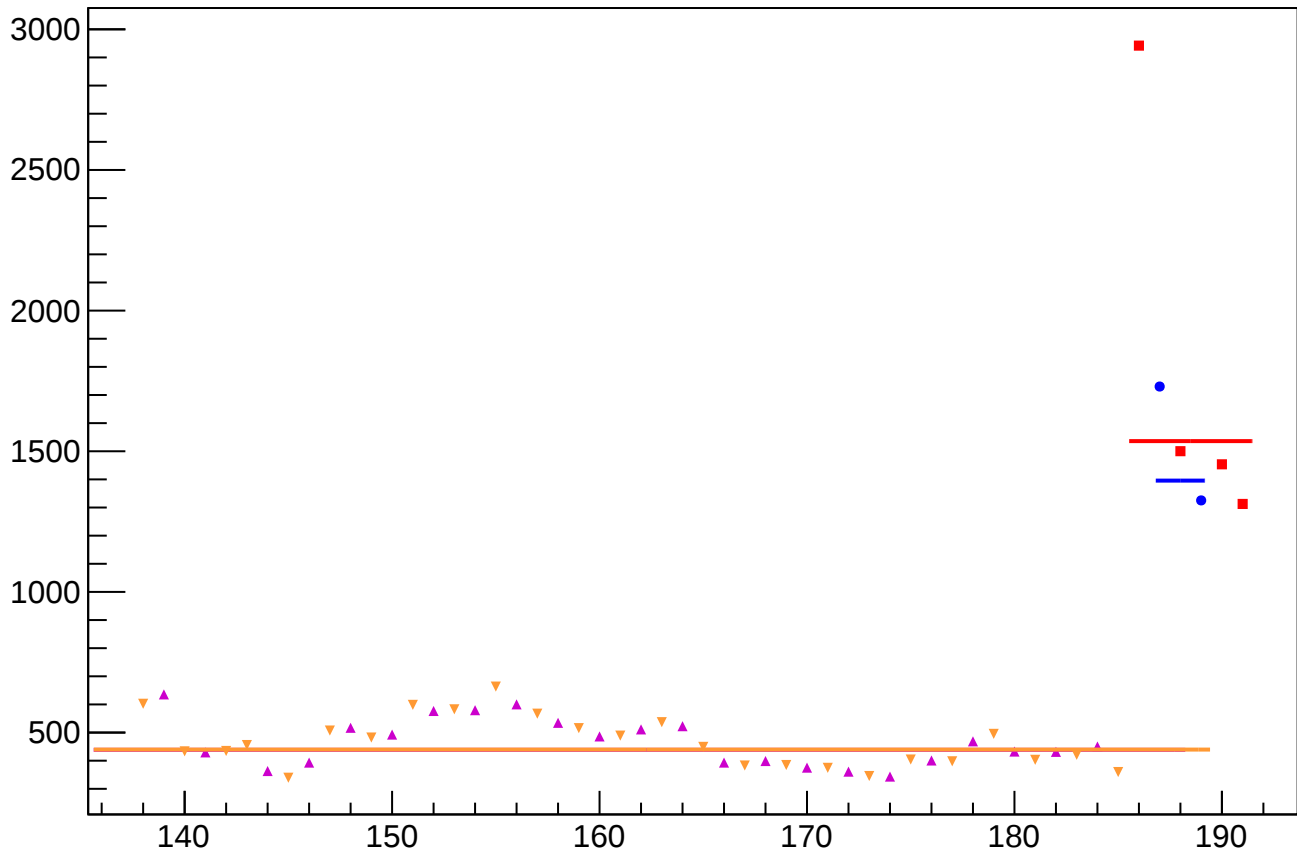
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -563.306 ± 104.044 χ^2/NDF : 62.0/26

All: -321.164 ± 74.341 χ^2/NDF : 104.4/53

- sign -68.597 ± 106.259 χ^2/NDF : 31.3/26

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: 1536.094 $\pm$ 0.821 χ^2 /NDF: 188373.2/3

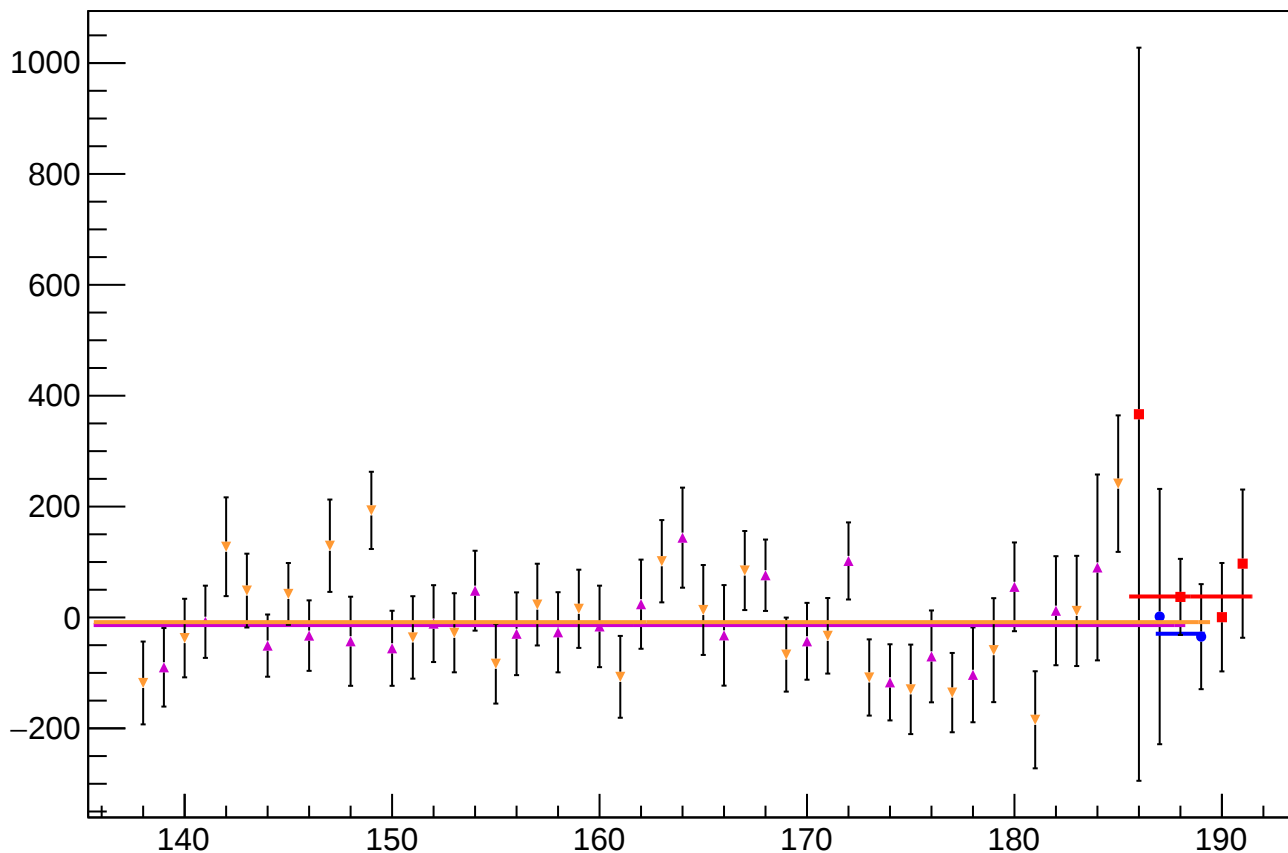
Left In: 438.548 $\pm$ 0.075 χ^2 /NDF:1013071.4/22

+ sign 442.527 $\pm$ 0.074 χ^2 /NDF: 1705264.2/26

All: 445.082 $\pm$ 0.053 χ^2 /NDF: 4682767.7/53

- sign 447.748 $\pm$ 0.075 χ^2 /NDF: 2975038.3/26

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -29.367 ± 87.608 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -8.416 ± 14.935 $\chi^2/\text{NDF}: 41.6/24$

Right Out: 37.823 ± 51.641 $\chi^2/\text{NDF}: 0.6/3$

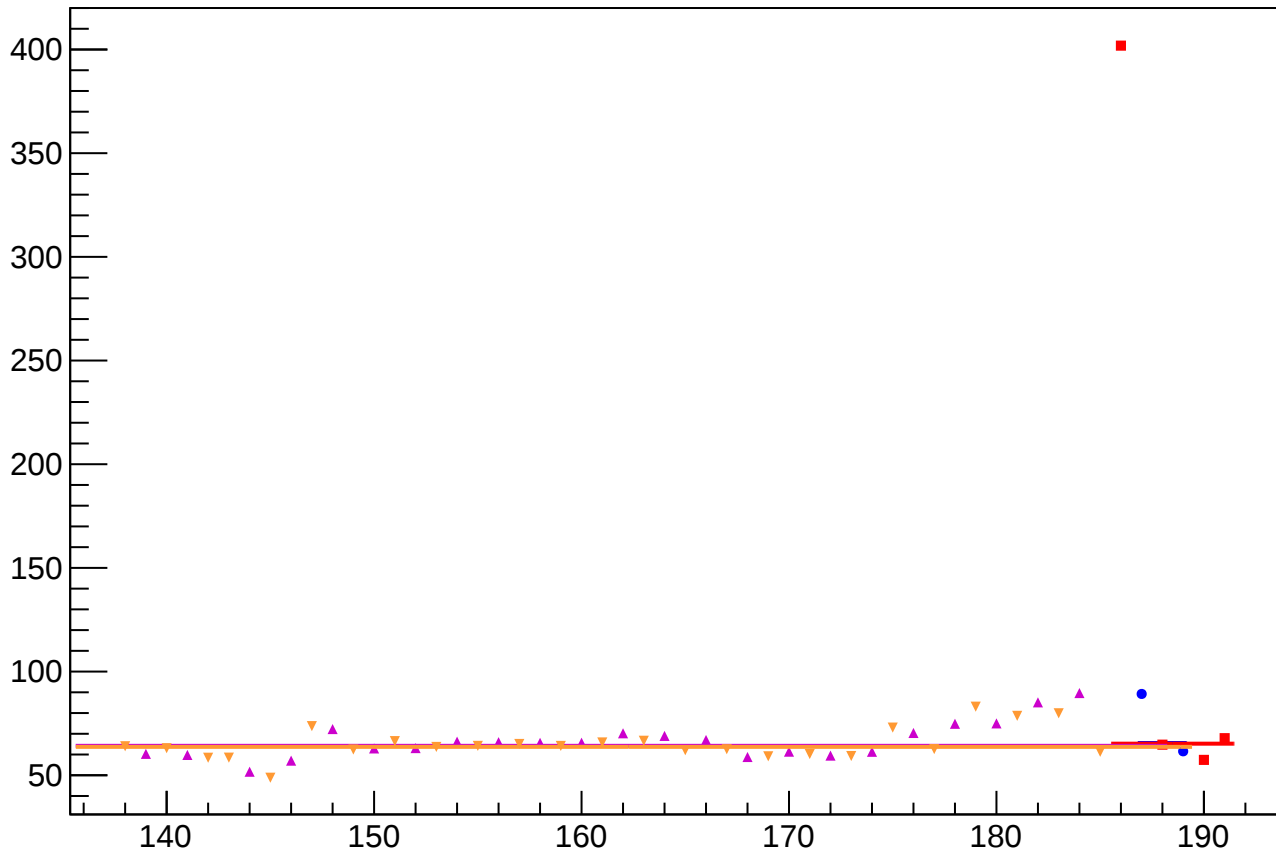
Left In: -13.723 ± 15.478 $\chi^2/\text{NDF}: 16.3/22$

+ sign -9.008 ± 14.722 $\chi^2/\text{NDF}: 41.7/26$

All: -9.239 ± 10.447 $\chi^2/\text{NDF}: 59.4/53$

- sign -9.474 ± 14.826 $\chi^2/\text{NDF}: 17.8/26$

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: 65.229 $\pm$ 0.037 χ^2 /NDF: 532083.0/3

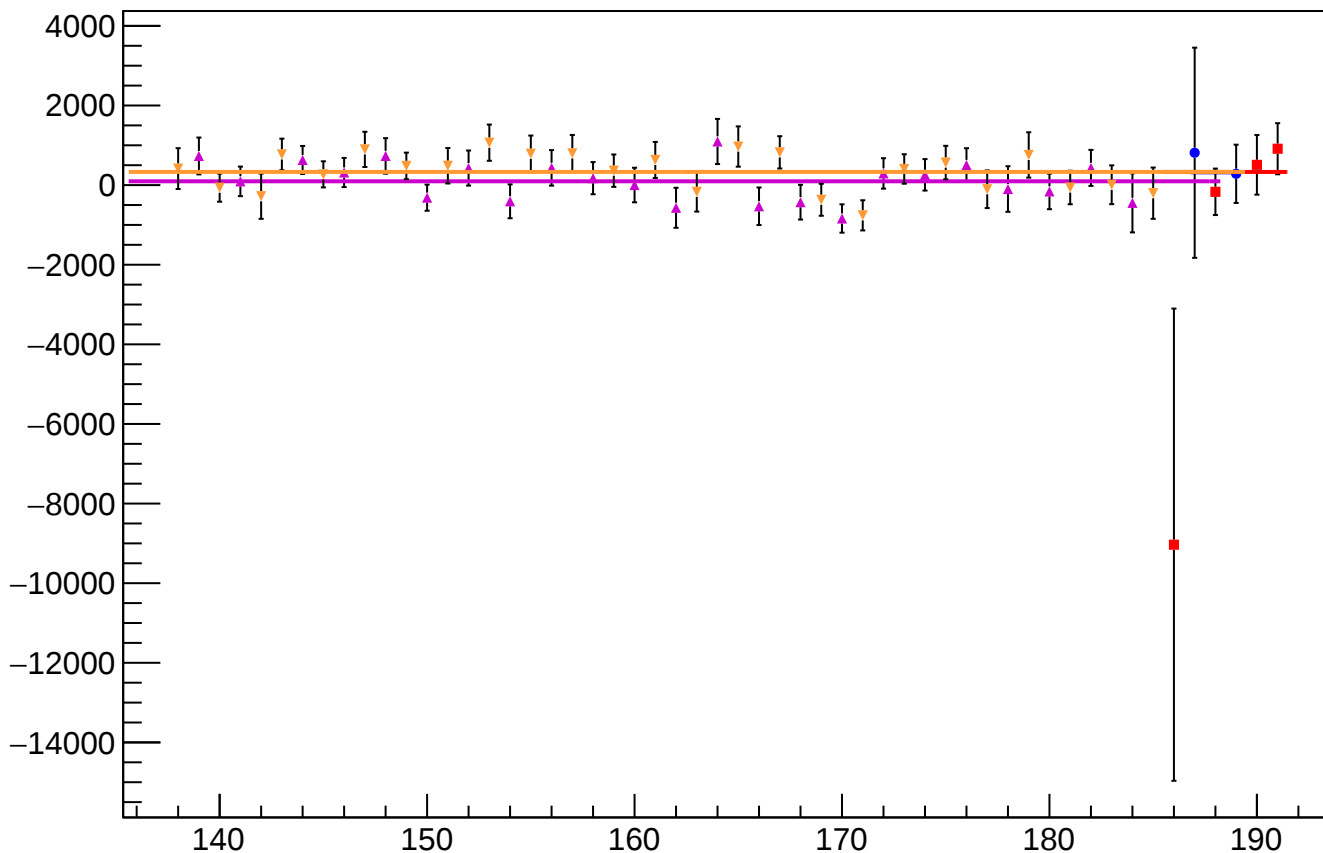
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.748 $\pm$ 0.010 χ^2 /NDF: 474009.5/26

All: 64.010 $\pm$ 0.007 χ^2 /NDF: 1437776.1/53

- sign 64.275 $\pm$ 0.010 χ^2 /NDF: 962496.9/26

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 321.745 ± 705.164 χ^2/NDF : 0.0/1

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: 330.682 ± 373.210 χ^2/NDF : 4.1/3

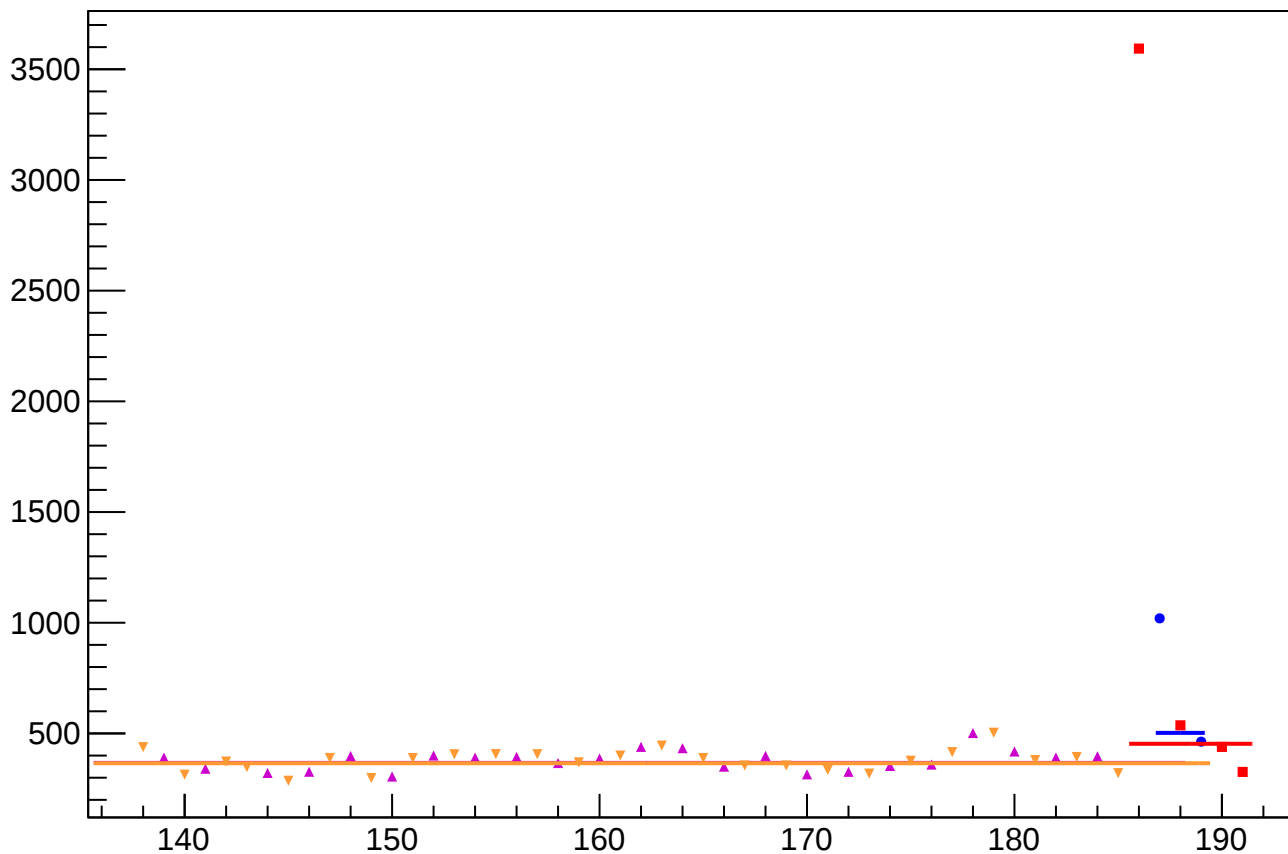
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 331.592 ± 85.437 χ^2/NDF : 29.9/26

All: 221.085 ± 60.700 χ^2/NDF : 66.5/53

- sign 108.450 ± 86.256 χ^2/NDF : 33.2/26

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 502.521 +/- 0.499 χ^2/NDF : 82687.1/1

Left Out: 365.355 +/- 0.061 χ^2/NDF : 618453.7/24

Right Out: 453.282 +/- 0.264 χ^2/NDF : 680560.1/3

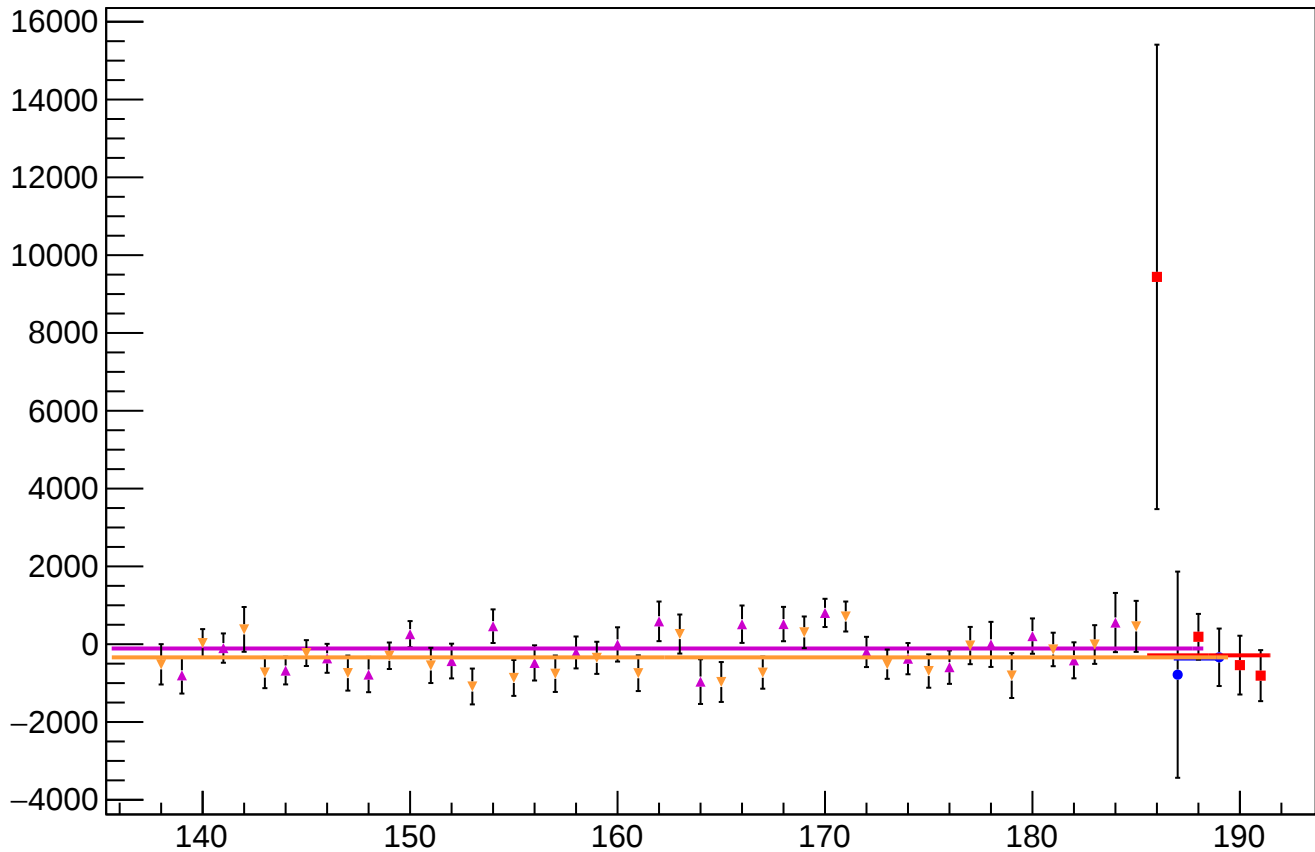
Left In: 366.925 +/- 0.063 χ^2/NDF : 478082.1/22

+ sign 367.369 +/- 0.060 χ^2/NDF : 775702.7/26

All: 369.433 +/- 0.043 χ^2/NDF : 2038067.7/53

- sign 371.538 +/- 0.061 χ^2/NDF : 1260006.8/26

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: -286.275+/-377.995 χ^2/NDF : 4.1/3

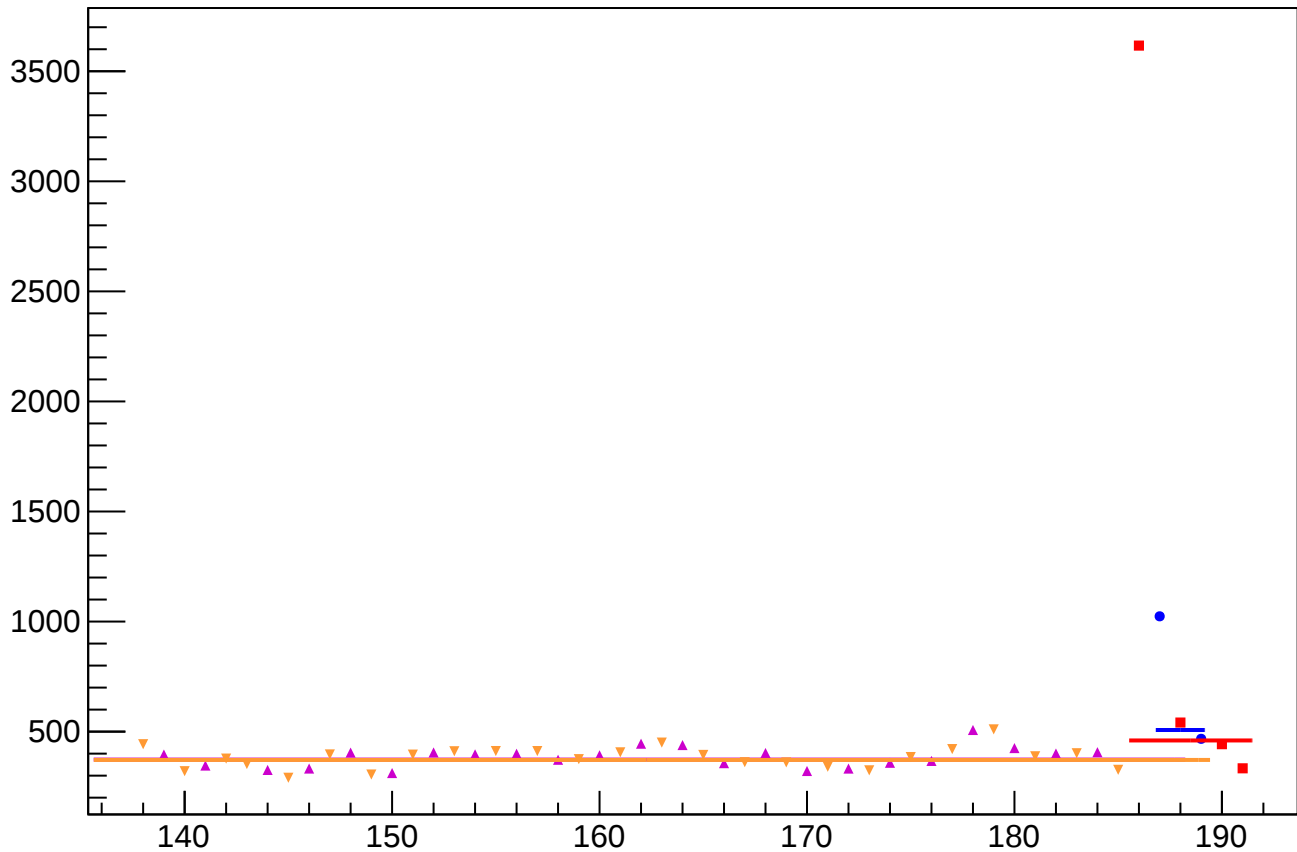
Left In: -110.341+/-90.084 χ^2/NDF : 29.2/22

+ sign -338.978+/-86.797 χ^2/NDF : 28.2/26

All: -230.433+/-61.667 χ^2/NDF : 64.9/53

- sign -119.796+/-87.630 χ^2/NDF : 33.5/26

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: 459.860 $\pm$ 0.267 χ^2 /NDF: 673099.8/3

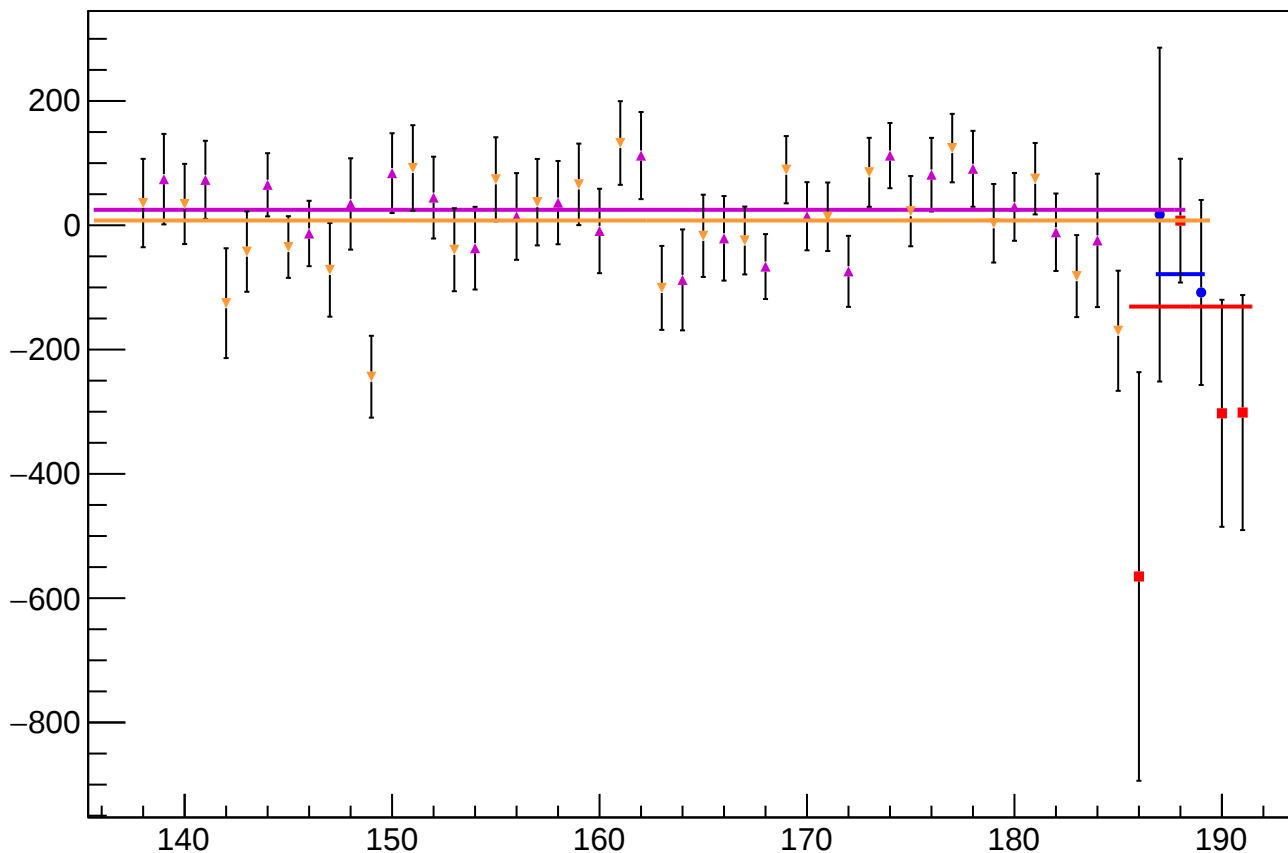
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

+ sign 373.380 $\pm$ 0.061 χ^2 /NDF: 757934.0/26

All: 375.475 $\pm$ 0.044 χ^2 /NDF: 2000800.5/53

- sign 377.609 $\pm$ 0.062 χ^2 /NDF: 1240515.5/26

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -78.659 ± 130.183 $\chi^2/\text{NDF}: 0.2/1$

Left Out: 7.723 ± 12.656 $\chi^2/\text{NDF}: 45.4/24$

Right Out: -130.785 ± 77.145 $\chi^2/\text{NDF}: 5.4/3$

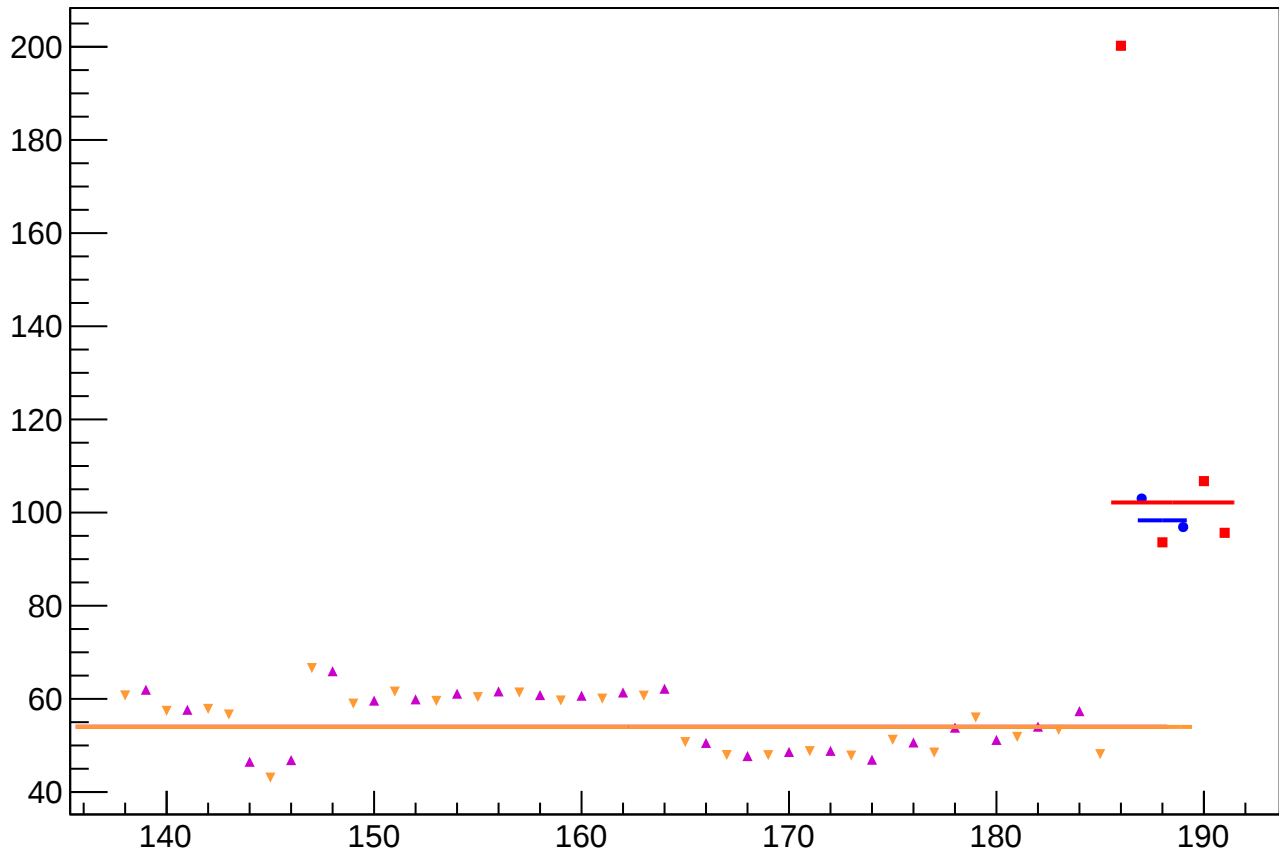
Left In: 24.887 ± 13.029 $\chi^2/\text{NDF}: 19.7/22$

+ sign 6.915 ± 12.596 $\chi^2/\text{NDF}: 46.0/26$

All: 13.608 ± 8.994 $\chi^2/\text{NDF}: 75.7/53$

- sign 20.570 ± 12.847 $\chi^2/\text{NDF}: 29.1/26$

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 98.331 $\pm$ 0.092 χ^2 /NDF: 795.0/1

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 102.167 $\pm$ 0.055 χ^2 /NDF: 196339.0/3

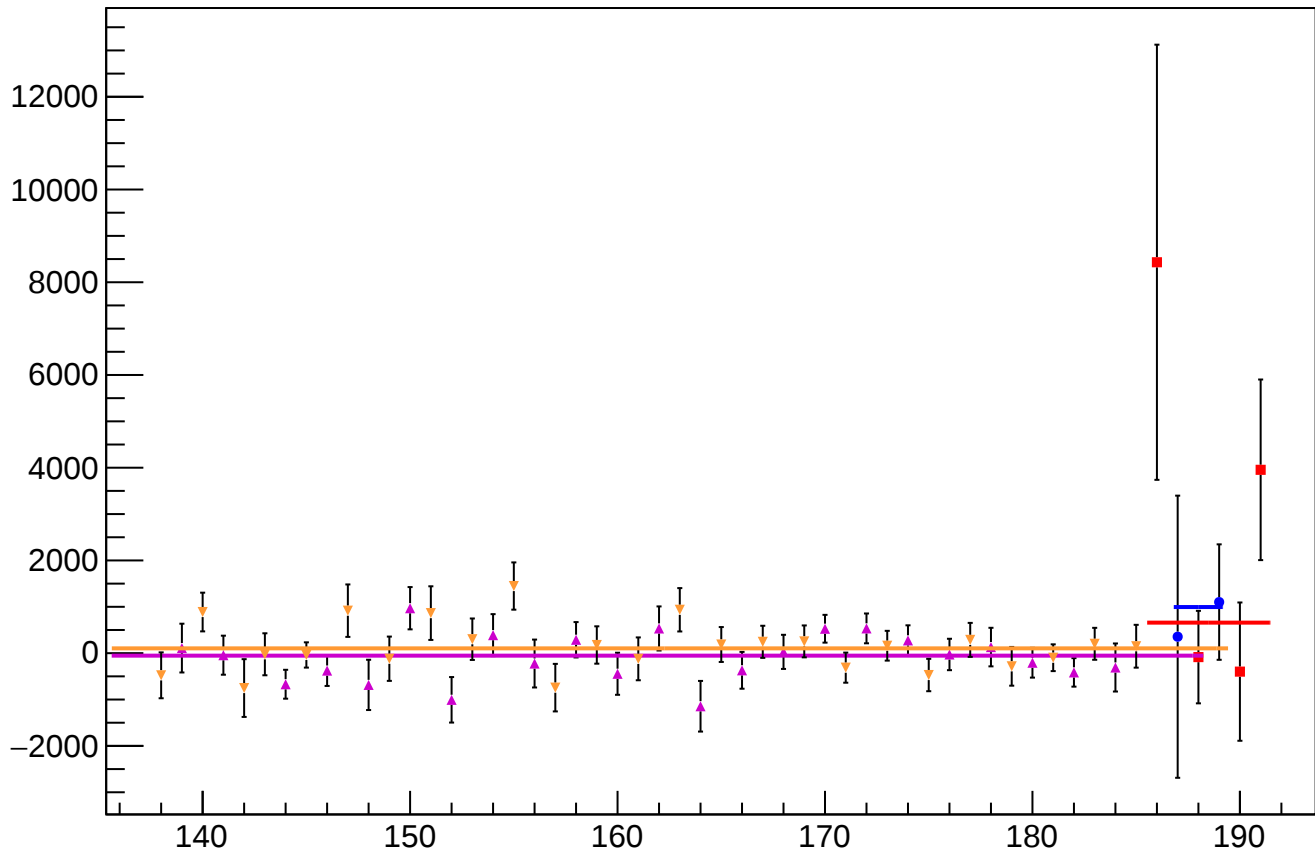
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 54.399 $\pm$ 0.009 χ^2 /NDF: 689685.0/26

All: 54.871 $\pm$ 0.006 χ^2 /NDF: 2092788.1/53

- sign 55.363 $\pm$ 0.009 χ^2 /NDF: 1397363.7/26

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: 658.616 $\pm$ 753.060 χ^2 /NDF: 6.7/3

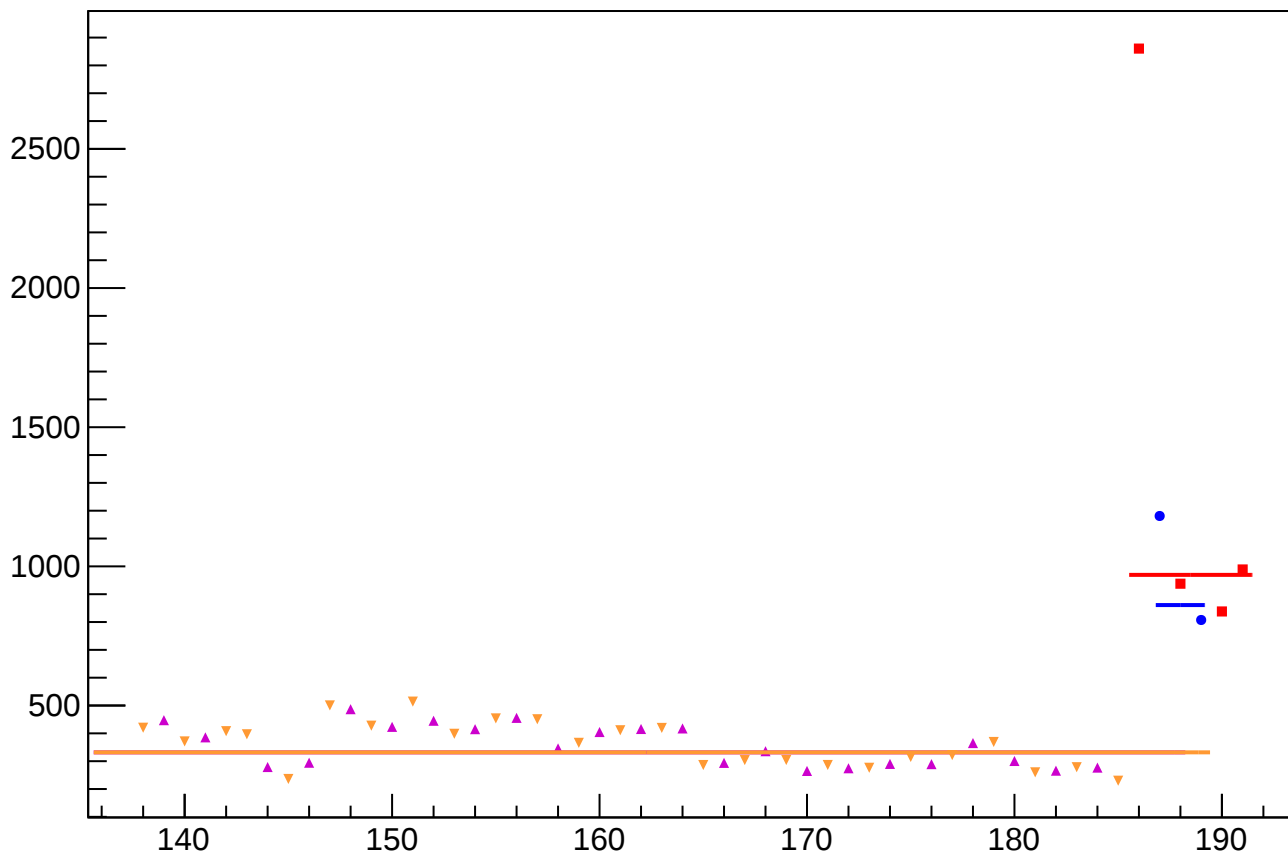
Left In: -53.493 $\pm$ 81.201 χ^2 /NDF:34.1/22

+ sign 107.972 $\pm$ 79.157 χ^2 /NDF: 31.6/26

All: 32.843 $\pm$ 56.521 χ^2 /NDF: 75.1/53

- sign -45.308 $\pm$ 80.733 χ^2 /NDF: 41.6/26

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: 969.433 $\pm$ 0.532 χ^2 /NDF: 342498.0/3

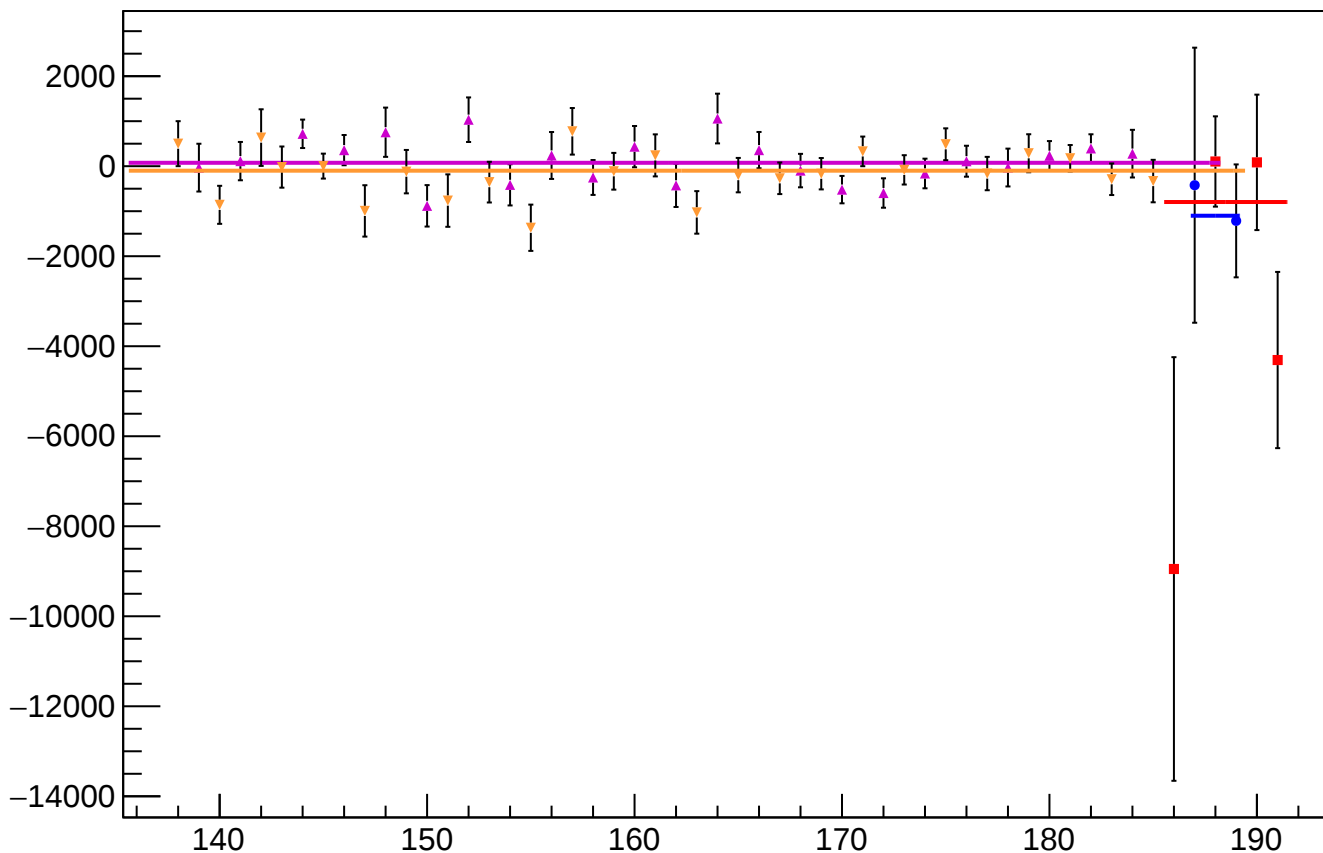
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 334.267 $\pm$ 0.056 χ^2 /NDF: 2157332.9/26

All: 336.585 $\pm$ 0.040 χ^2 /NDF: 5224520.0/53

- sign 338.996 $\pm$ 0.057 χ^2 /NDF: 3063689.1/26

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: -795.797 ± 757.743 χ^2/NDF : 7.4/3

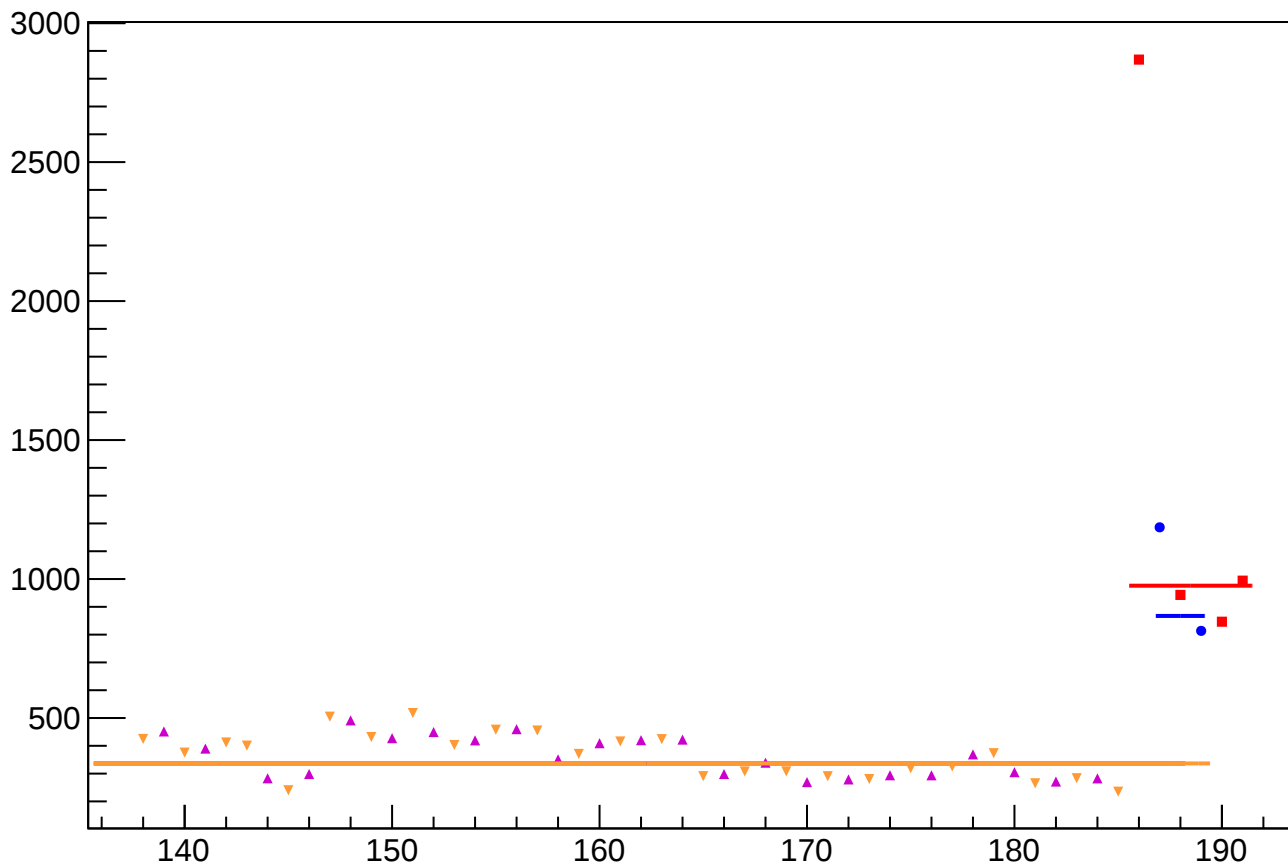
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -104.569 ± 80.235 χ^2/NDF : 31.5/26

All: -21.257 ± 57.293 χ^2/NDF : 74.4/53

- sign 65.415 ± 81.837 χ^2/NDF : 40.8/26

asym_sam_15_26_dd_rms vs Slug



Right In: 867.257+/-0.821 χ^2/NDF : 25434.4/1

Left Out: 336.557+/-0.057 χ^2/NDF : 1665919.4/24

Right Out: 976.027+/-0.536 χ^2/NDF : 340682.7/3

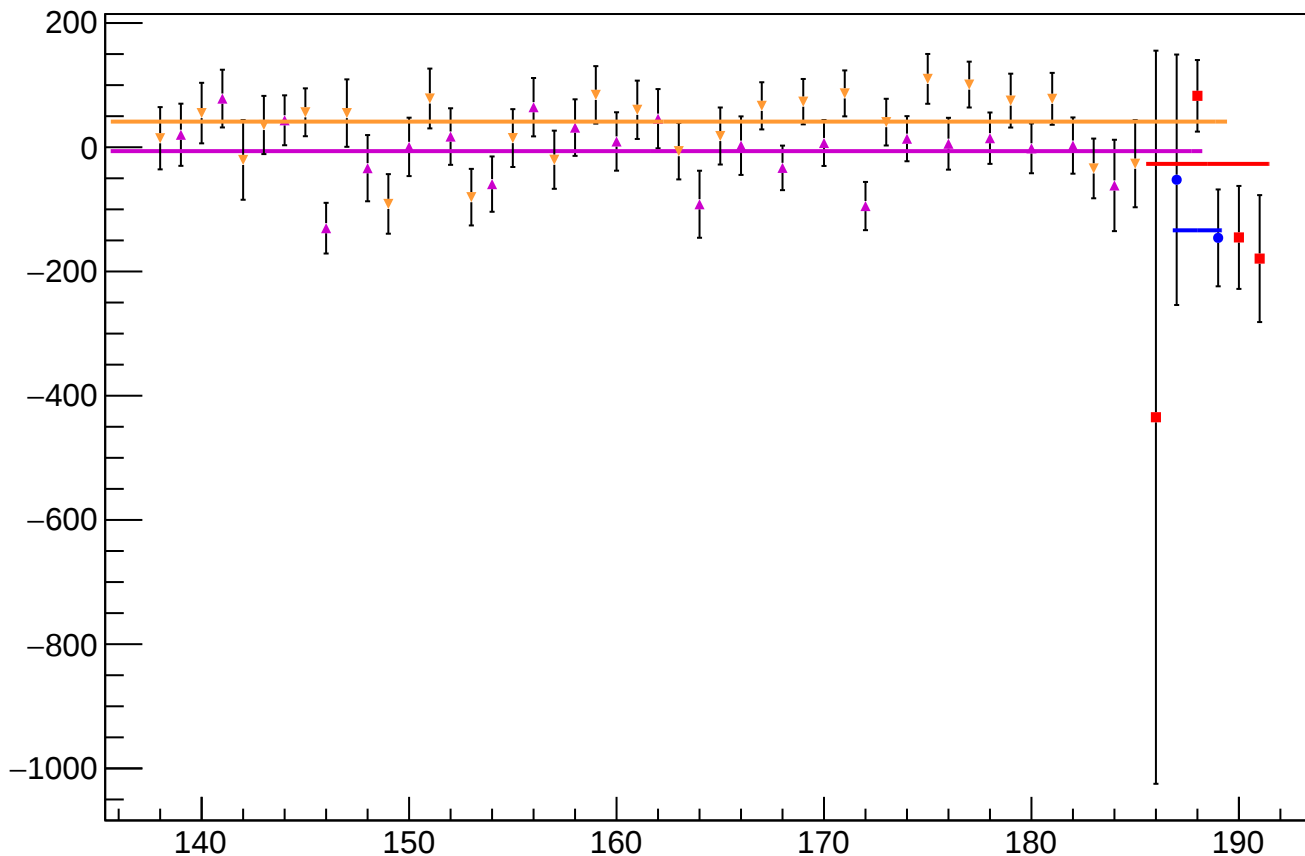
Left In: 336.439+/-0.058 χ^2/NDF : 1269066.3/22

+ sign 339.094+/-0.057 χ^2/NDF : 2107601.1/26

All: 341.450+/-0.041 χ^2/NDF : 5129151.9/53

- sign 343.900+/-0.058 χ^2/NDF : 3018034.6/26

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: -26.782 ± 42.819 χ^2/NDF : 8.4/3

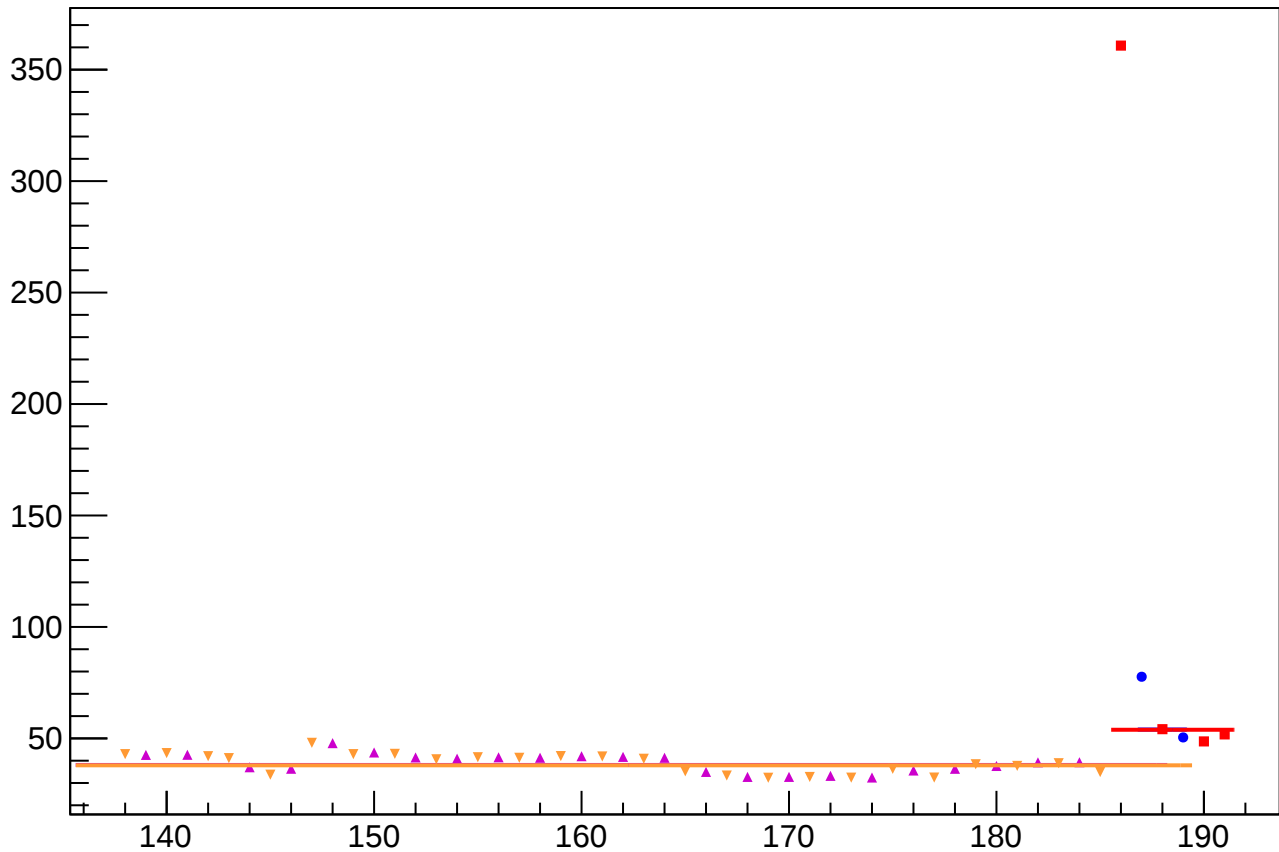
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 38.707 ± 8.824 χ^2/NDF : 40.3/26

All: 16.156 ± 6.291 χ^2/NDF : 92.4/53

- sign -7.155 ± 8.971 χ^2/NDF : 38.9/26

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: 53.875 $\pm$ 0.030 χ^2/NDF : 549809.4/3

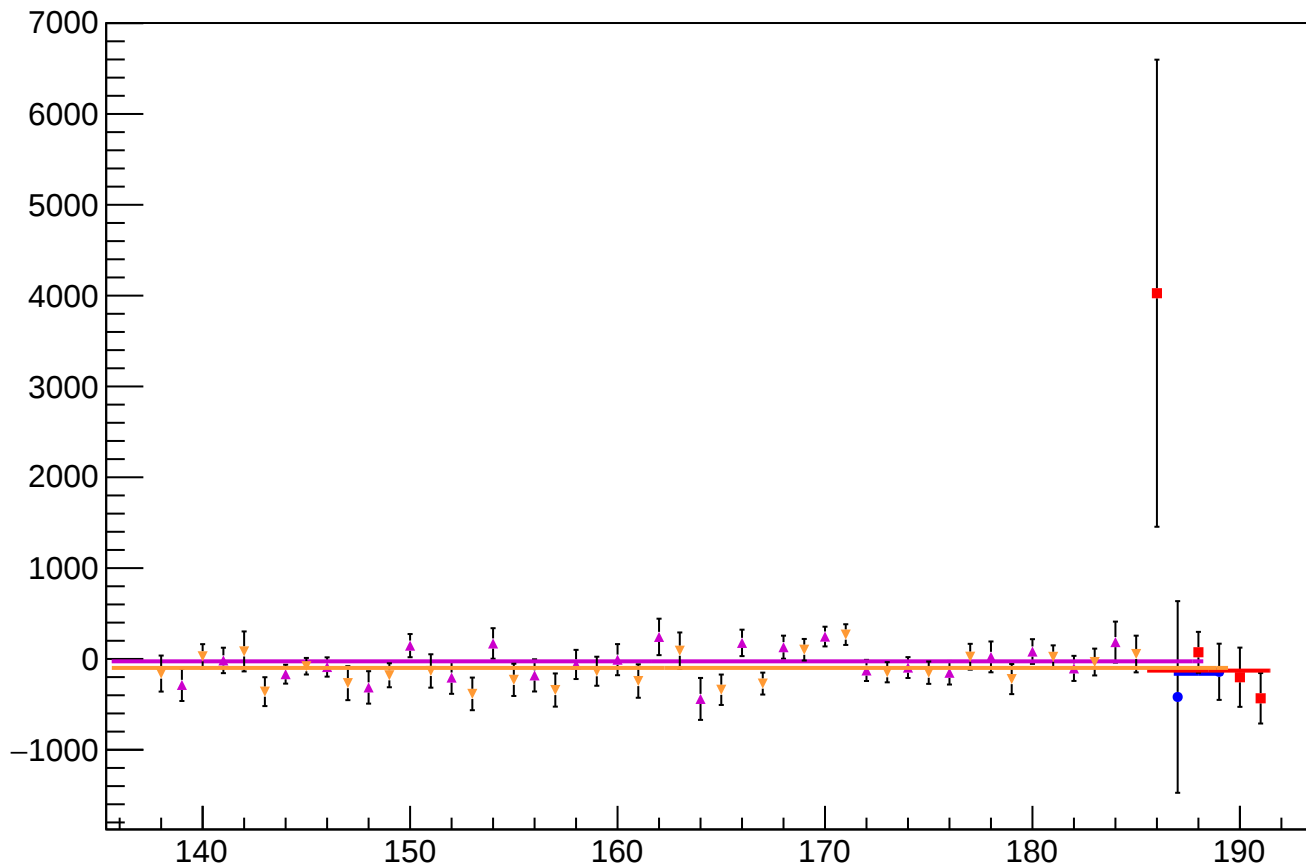
Left In: 38.087 $\pm$ 0.006 χ^2/NDF : 396334.5/22

+ sign 38.161 $\pm$ 0.006 χ^2/NDF : 614799.4/26

All: 38.466 $\pm$ 0.004 χ^2/NDF : 1825756.4/53

- sign 38.780 $\pm$ 0.006 χ^2/NDF : 1206117.8/26

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -163.374 ± 296.859 χ^2/NDF : 0.1/1

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -128.435 ± 153.670 χ^2/NDF : 4.7/3

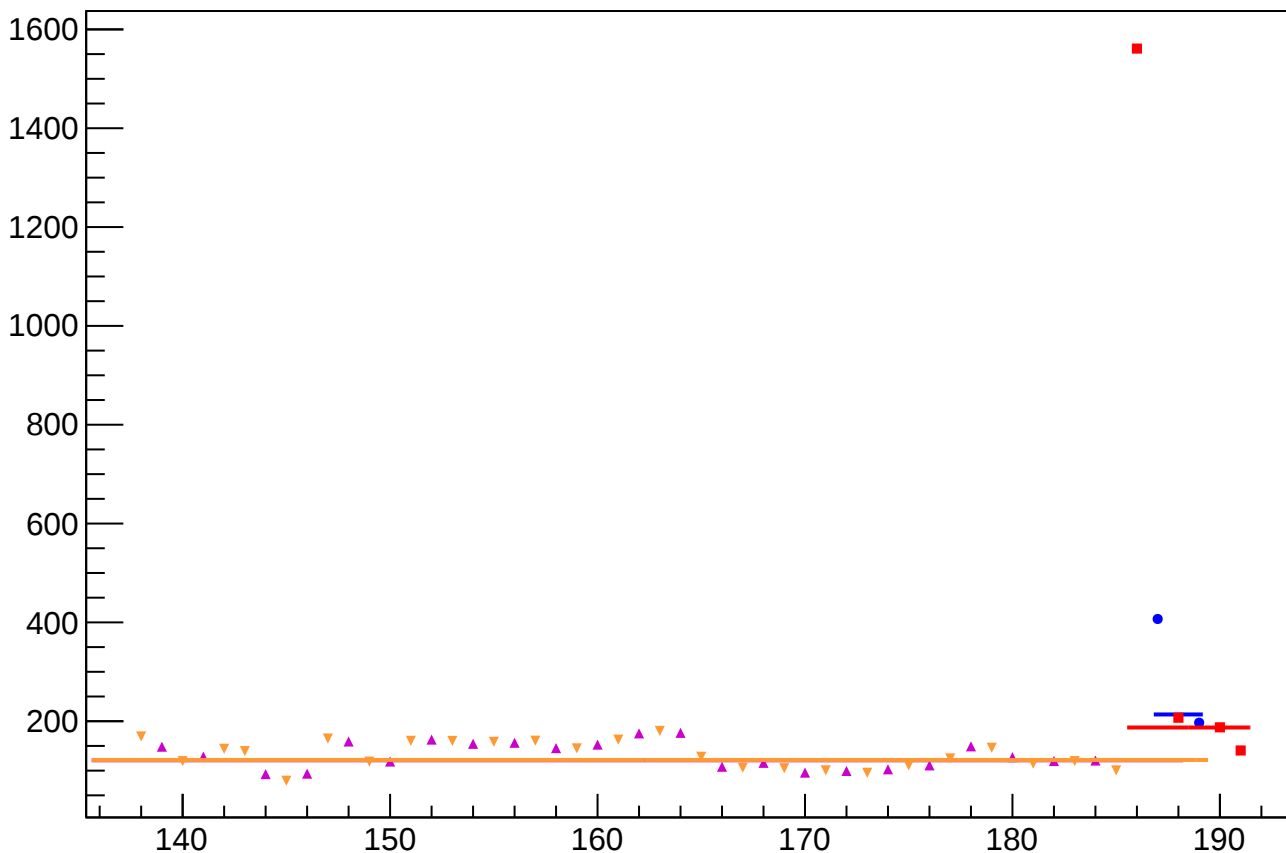
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -99.356 ± 28.956 χ^2/NDF : 32.9/26

All: -64.843 ± 20.539 χ^2/NDF : 71.5/53

- sign -29.897 ± 29.137 χ^2/NDF : 35.8/26

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: 187.293 $\pm$ 0.109 χ^2 /NDF: 642571.8/3

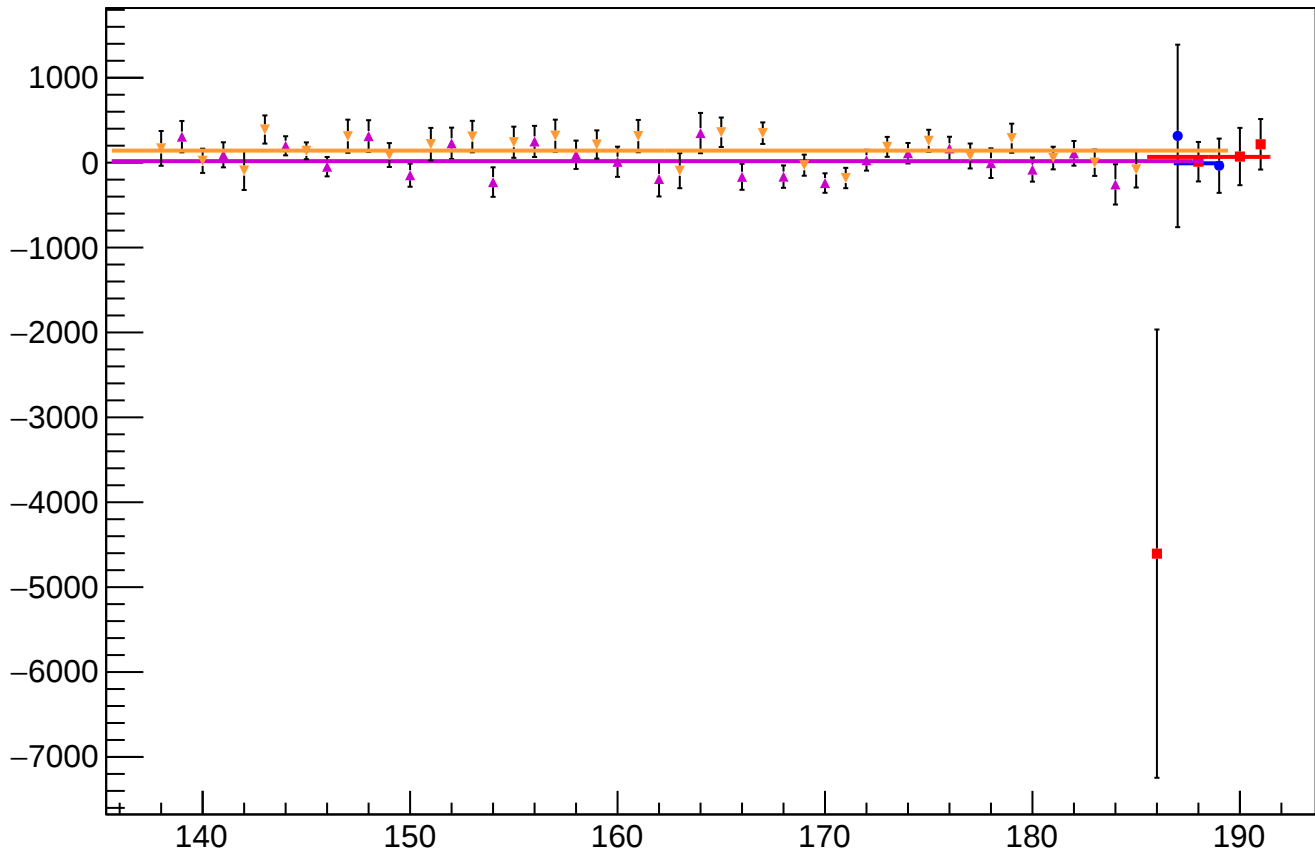
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF: 1382861.4/22

+ sign 122.468 $\pm$ 0.020 χ^2 /NDF: 1974894.8/26

All: 122.888 $\pm$ 0.015 χ^2 /NDF: 4360799.0/53

- sign 123.313 $\pm$ 0.021 χ^2 /NDF: 2385058.5/26

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: 67.698 ± 160.693 χ^2/NDF : 3.4/3

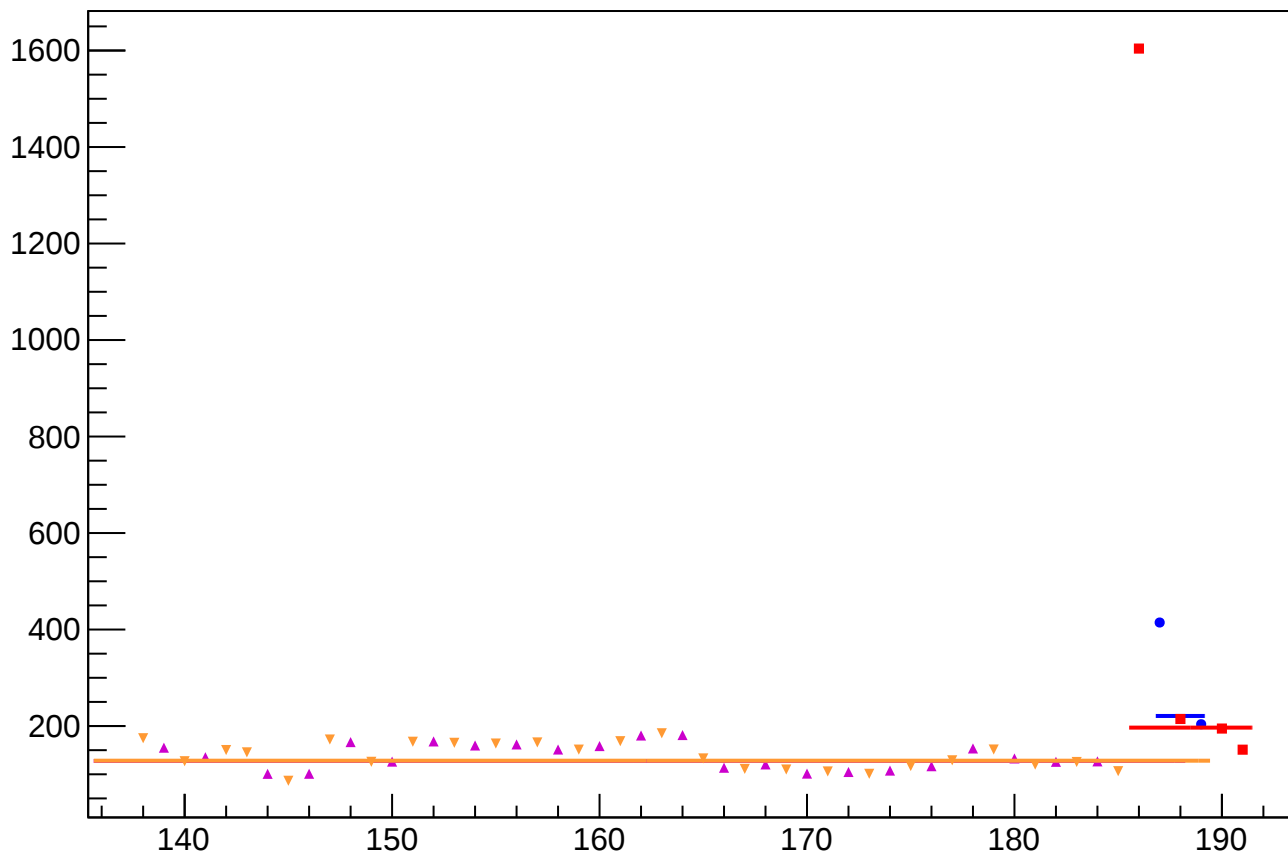
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 140.539 ± 30.423 χ^2/NDF : 27.2/26

All: 80.440 ± 21.587 χ^2/NDF : 68.7/53

- sign 19.497 ± 30.636 χ^2/NDF : 33.7/26

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: 196.731 $\pm$ 0.114 χ^2 /NDF: 627414.2/3

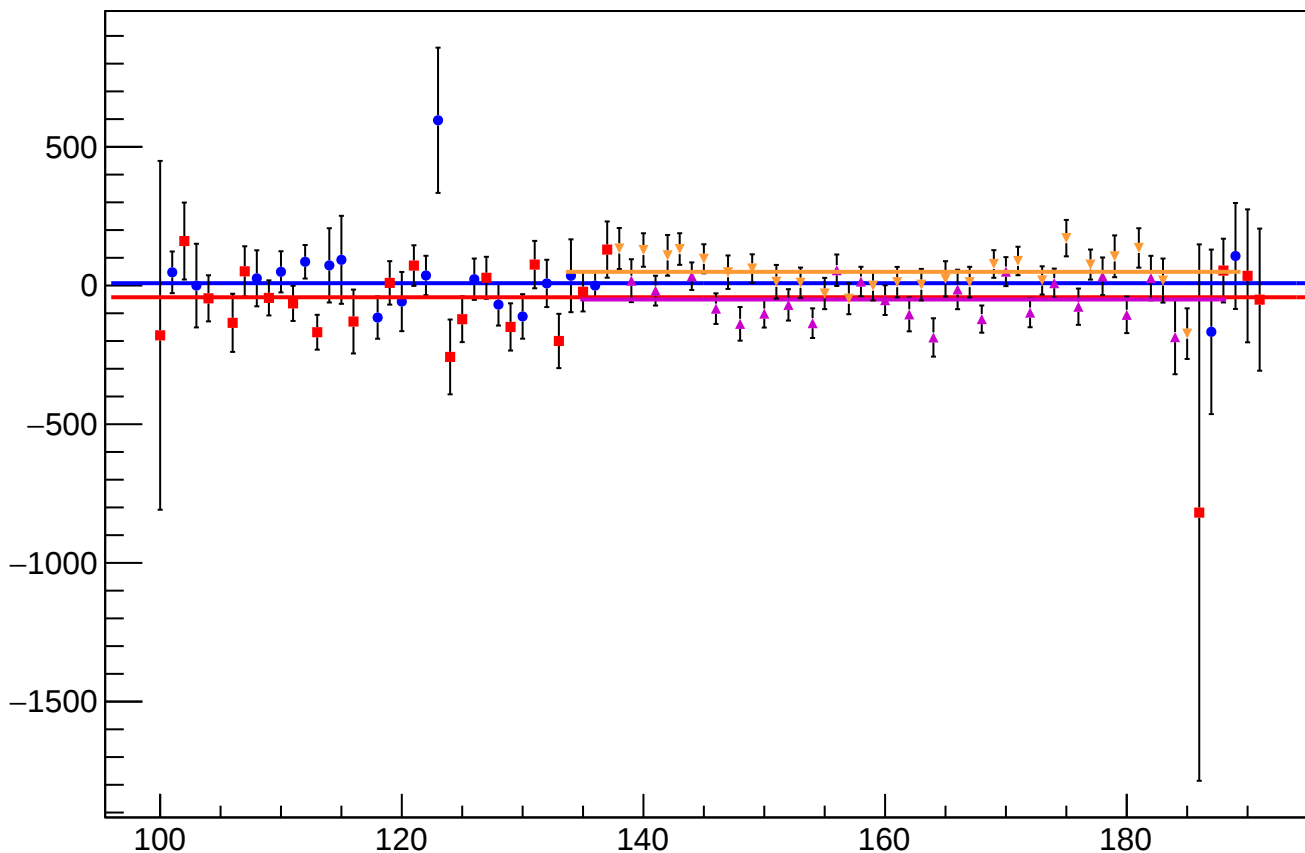
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 129.090 $\pm$ 0.022 χ^2 /NDF: 1785030.5/26

All: 129.571 $\pm$ 0.015 χ^2 /NDF: 4006438.4/53

- sign 130.059 $\pm$ 0.022 χ^2 /NDF: 2220401.1/26

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: -42.234 ± 19.068 χ^2/NDF : 26.4/22

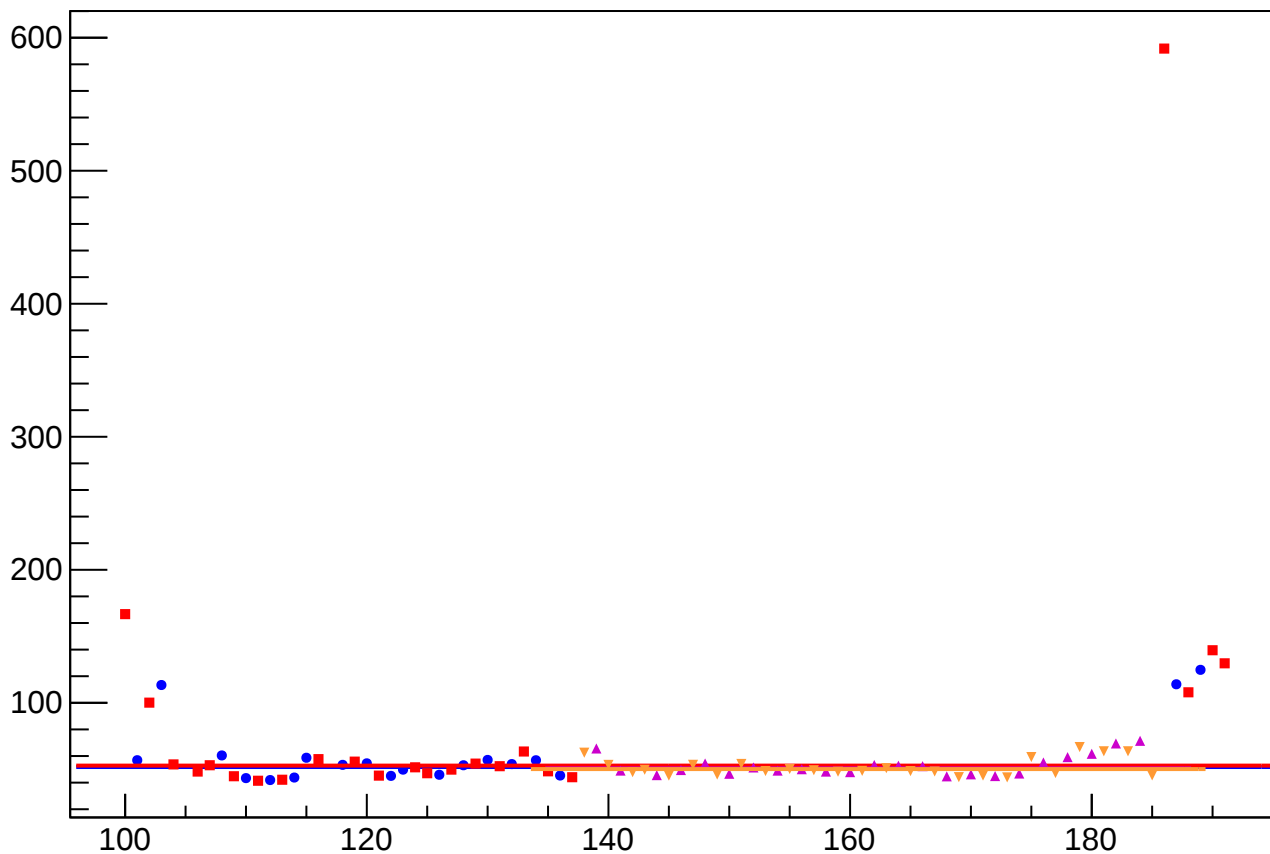
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 38.845 ± 10.170 χ^2/NDF : 46.1/43

All: -3.974 ± 7.240 χ^2/NDF : 140.8/89

- sign -47.964 ± 10.308 χ^2/NDF : 58.7/45

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: 52.793 $\pm$ 0.013 χ^2 /NDF: 2066871.2/22

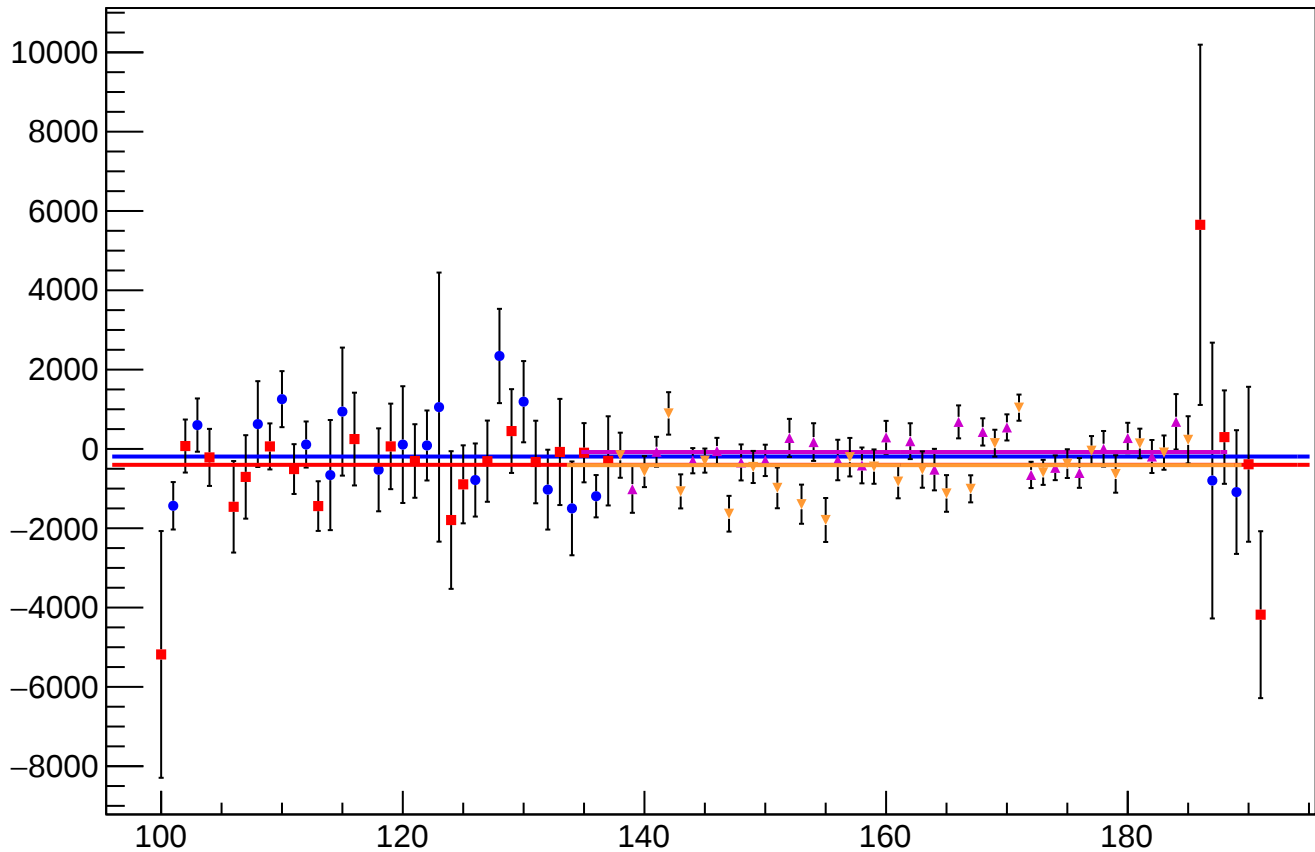
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 50.590 $\pm$ 0.007 χ^2 /NDF: 1383363.2/43

All: 50.940 $\pm$ 0.005 χ^2 /NDF: 3941666.5/89

- sign 51.300 $\pm$ 0.007 χ^2 /NDF: 2553493.7/45

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: -400.804 ± 198.904 χ^2/NDF : 14.9/22

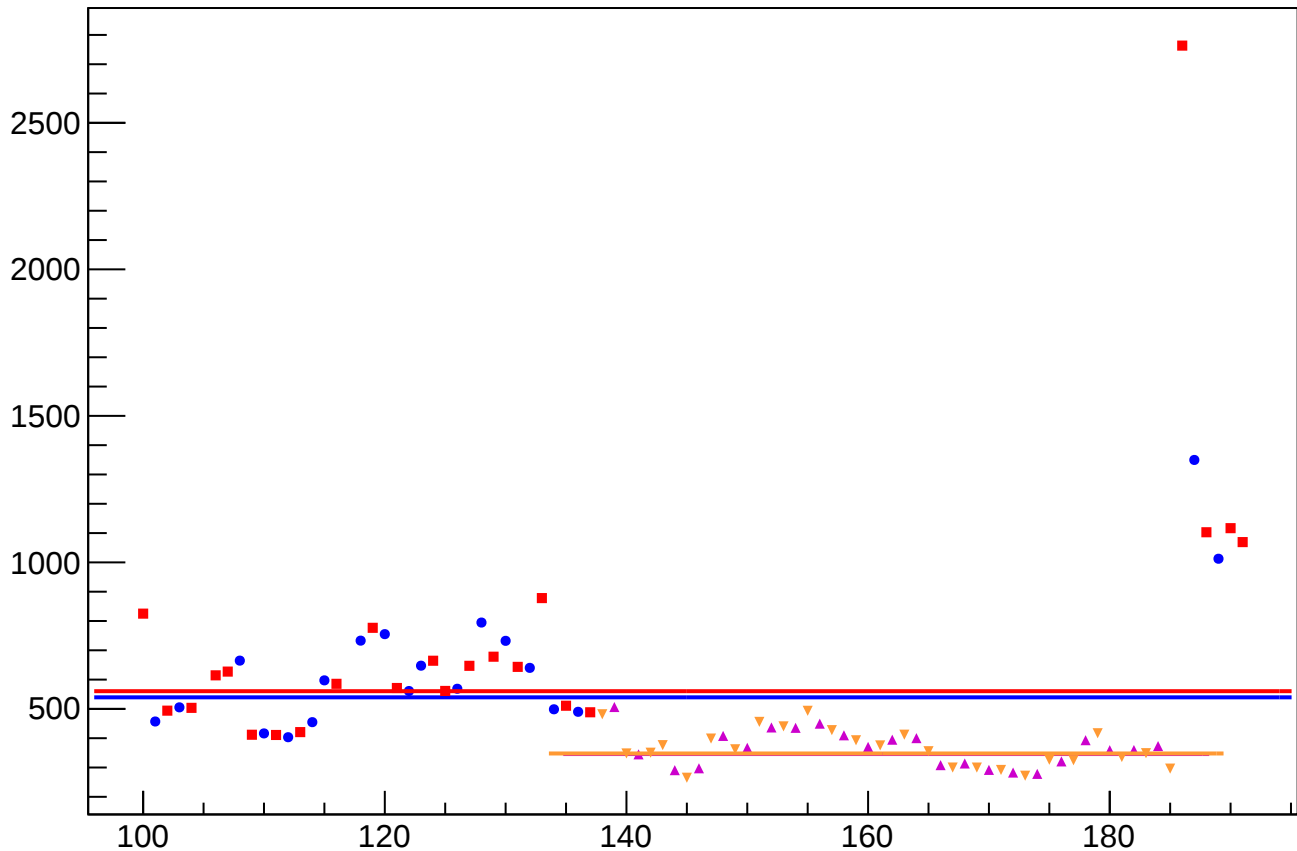
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -379.826 ± 76.586 χ^2/NDF : 86.9/43

All: -254.724 ± 54.454 χ^2/NDF : 134.3/89

- sign -126.821 ± 77.439 χ^2/NDF : 42.0/45

asym_sam_1357_avg_correction_rms vs Slug



Right In: 539.472 ± 0.147 $\chi^2/\text{NDF}: 861944.5/18$

Left Out: 347.875 ± 0.058 $\chi^2/\text{NDF}: 1044096.7/24$

Right Out: 560.455 ± 0.141 $\chi^2/\text{NDF}: 1846930.1/22$

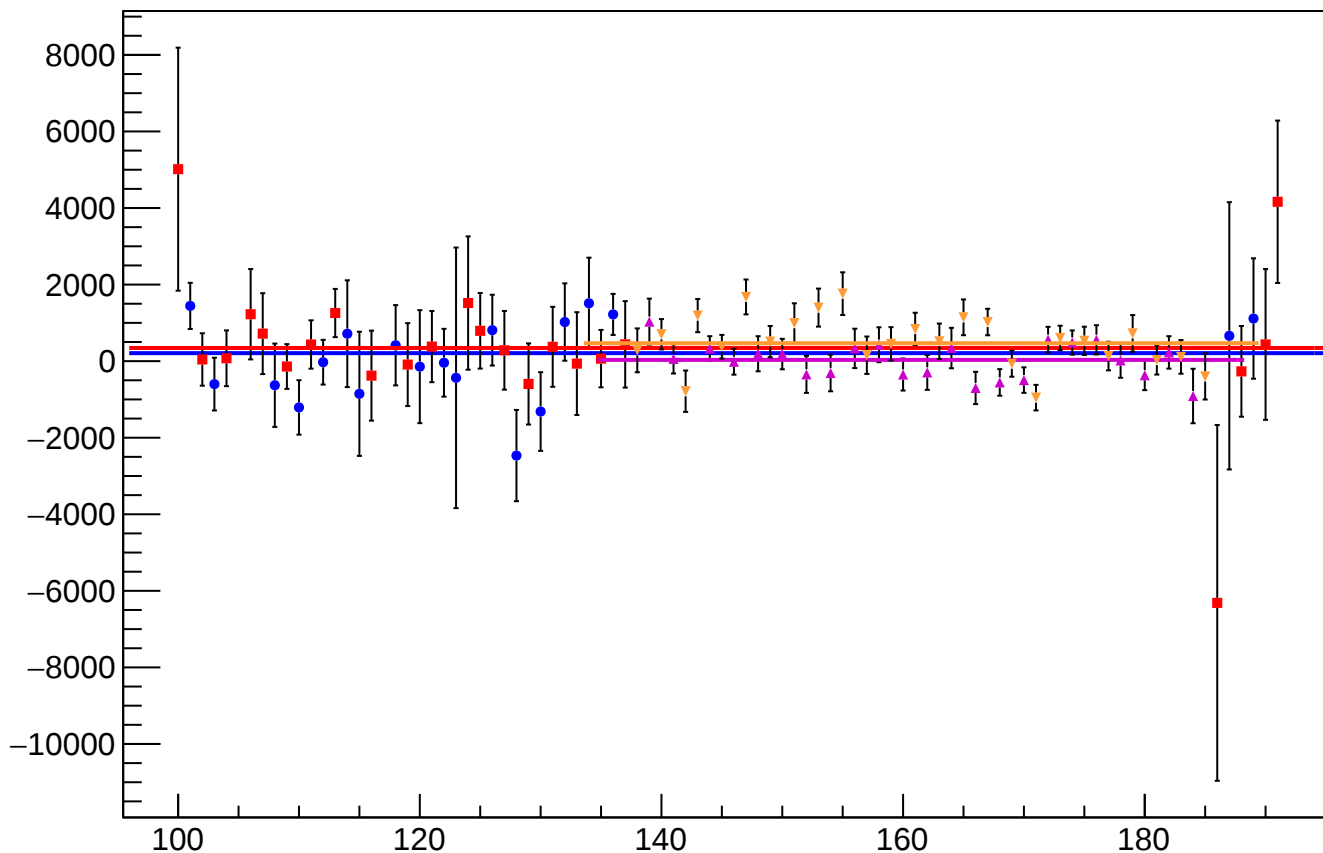
Left In: 345.954 ± 0.059 $\chi^2/\text{NDF}: 900847.0/22$

+ sign 373.751 ± 0.054 $\chi^2/\text{NDF}: 3368213.5/43$

All: 376.083 ± 0.039 $\chi^2/\text{NDF}: 8093129.3/89$

- sign 378.467 ± 0.055 $\chi^2/\text{NDF}: 4721165.1/45$

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: 344.516 $\pm$ 200.435 χ^2 /NDF: 13.8/22

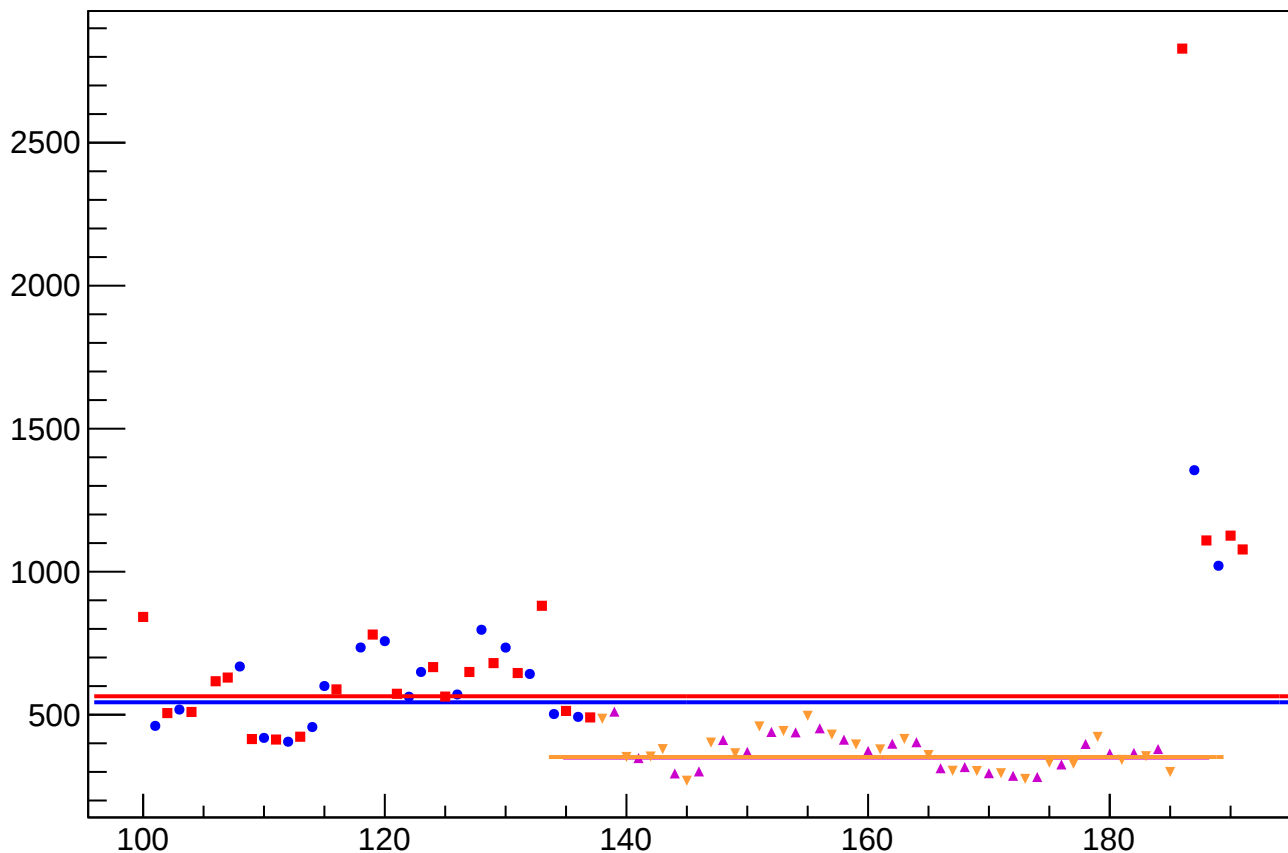
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 433.511 $\pm$ 77.421 χ^2 /NDF: 83.3/43

All: 258.946 $\pm$ 55.054 χ^2 /NDF: 135.1/89

- sign 80.375 $\pm$ 78.304 χ^2 /NDF: 41.5/45

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: 564.501 ± 0.142 χ^2/NDF : 1843253.0/22

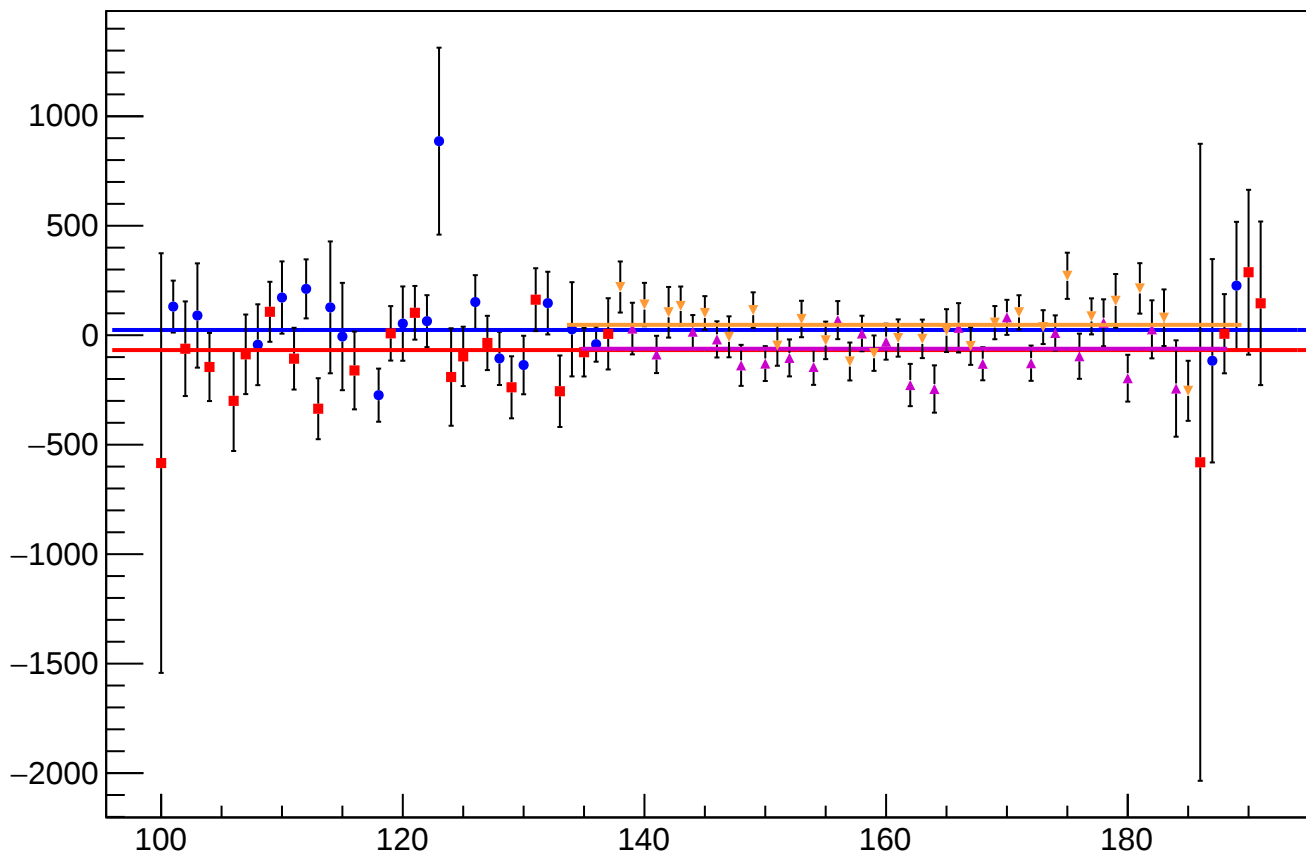
Left In: 350.160 ± 0.060 χ^2/NDF : 878380.0/22

+ sign 378.066 ± 0.055 χ^2/NDF : 3309217.3/43

All: 380.443 ± 0.039 χ^2/NDF : 7972735.5/89

- sign 382.873 ± 0.055 χ^2/NDF : 4659706.9/45

reg_asym_sam_2468_avg_mean vs Slug



Right In: 23.911 ± 34.302 χ^2/NDF : 19.8/18

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: -67.845 ± 33.884 χ^2/NDF : 17.0/22

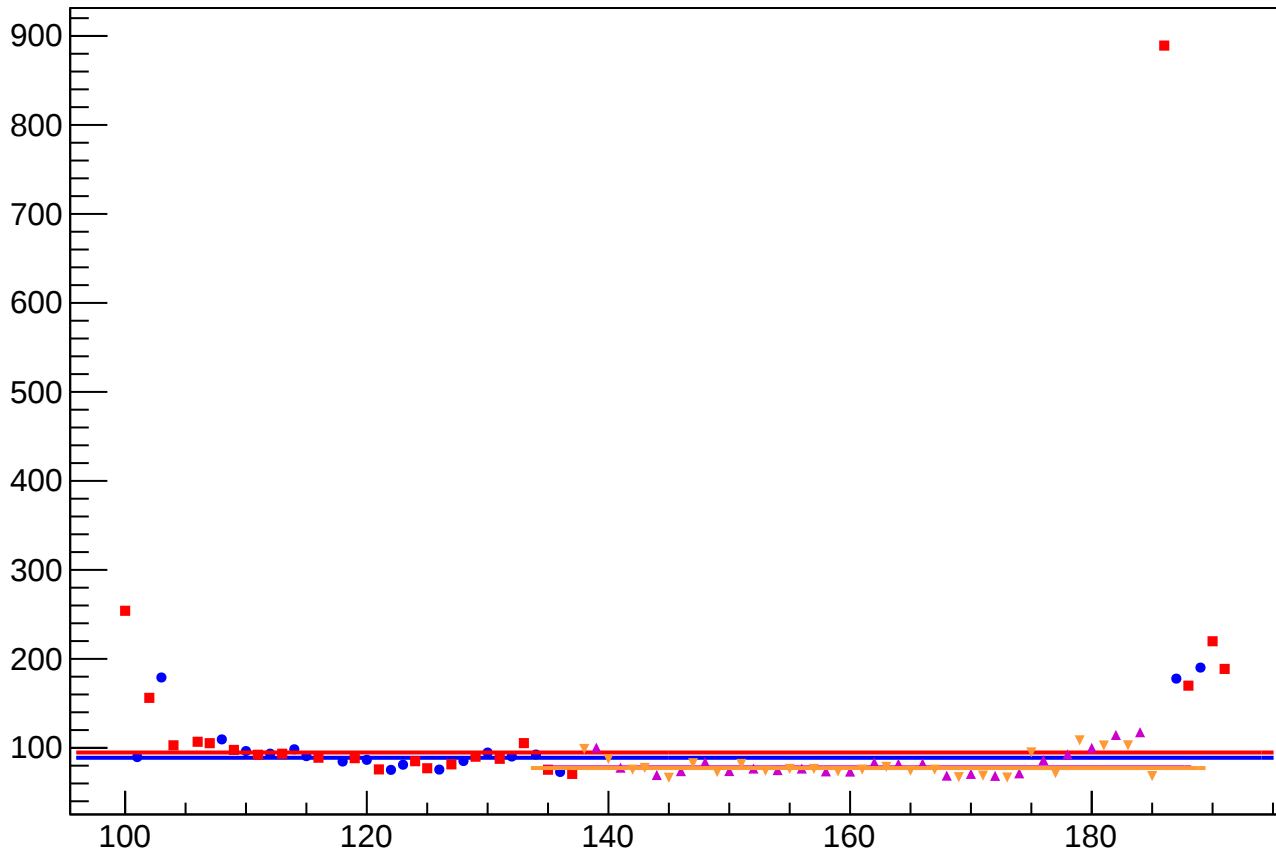
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 42.237 ± 16.113 χ^2/NDF : 49.5/43

All: -9.122 ± 11.543 χ^2/NDF : 111.4/89

- sign -63.264 ± 16.544 χ^2/NDF : 41.0/45

reg_asym_sam_2468_avg_rms vs Slug



Right In: 88.875 $\pm$ 0.024 χ^2 /NDF: 774946.5/18

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF: 635622.3/24

Right Out: 94.793 $\pm$ 0.024 χ^2 /NDF: 1760829.0/22

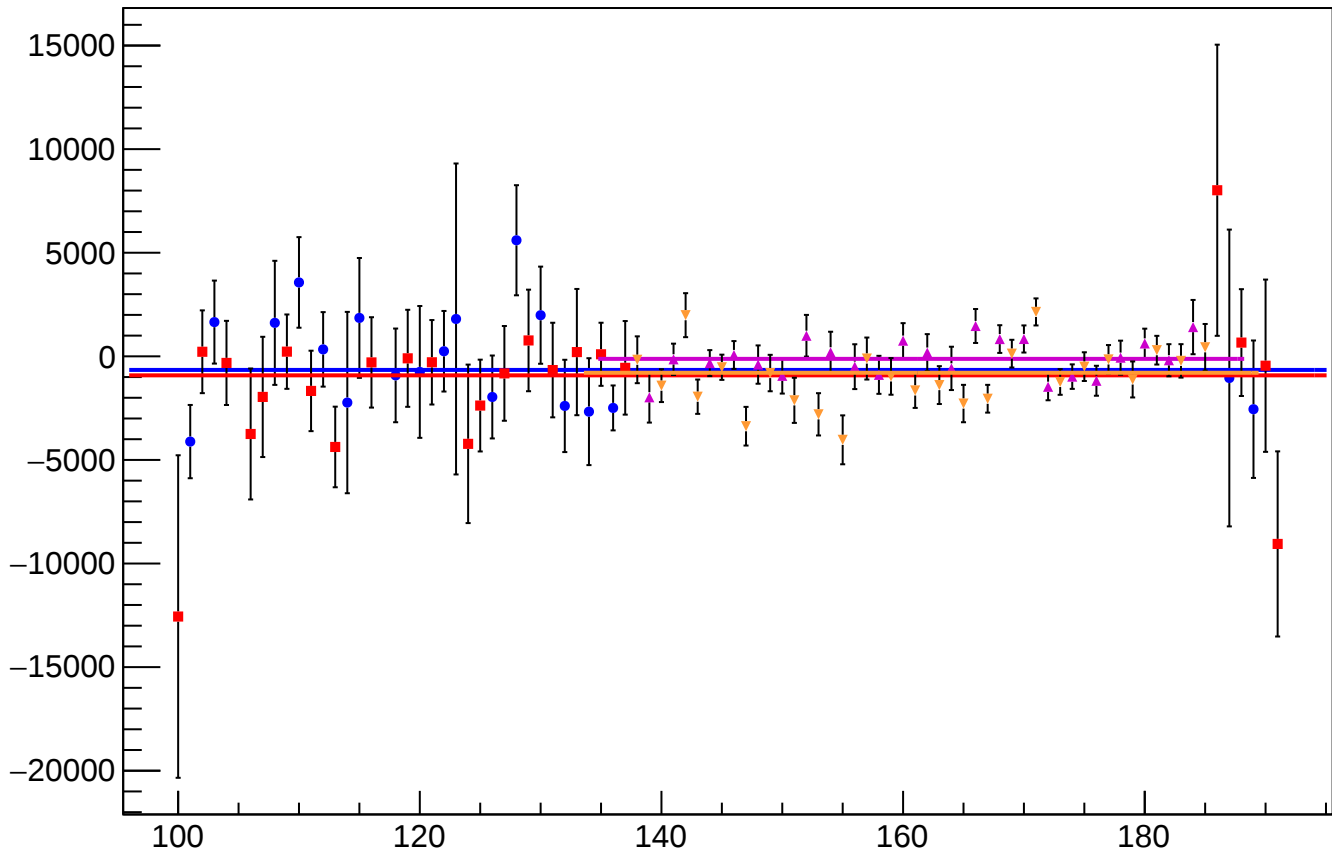
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

+ sign 79.867 $\pm$ 0.011 χ^2 /NDF: 1587559.9/43

All: 80.958 $\pm$ 0.008 χ^2 /NDF: 4317308.1/89

- sign 82.109 $\pm$ 0.012 χ^2 /NDF: 2710897.9/45

asym_sam_2468_avg_correction_mean vs Slug



Right In: -656.024+/-510.704 χ^2/NDF : 22.6/18

Left Out: -792.776+/-162.659 χ^2/NDF : 66.6/24

Right Out: -917.761+/-497.659 χ^2/NDF : 15.2/22

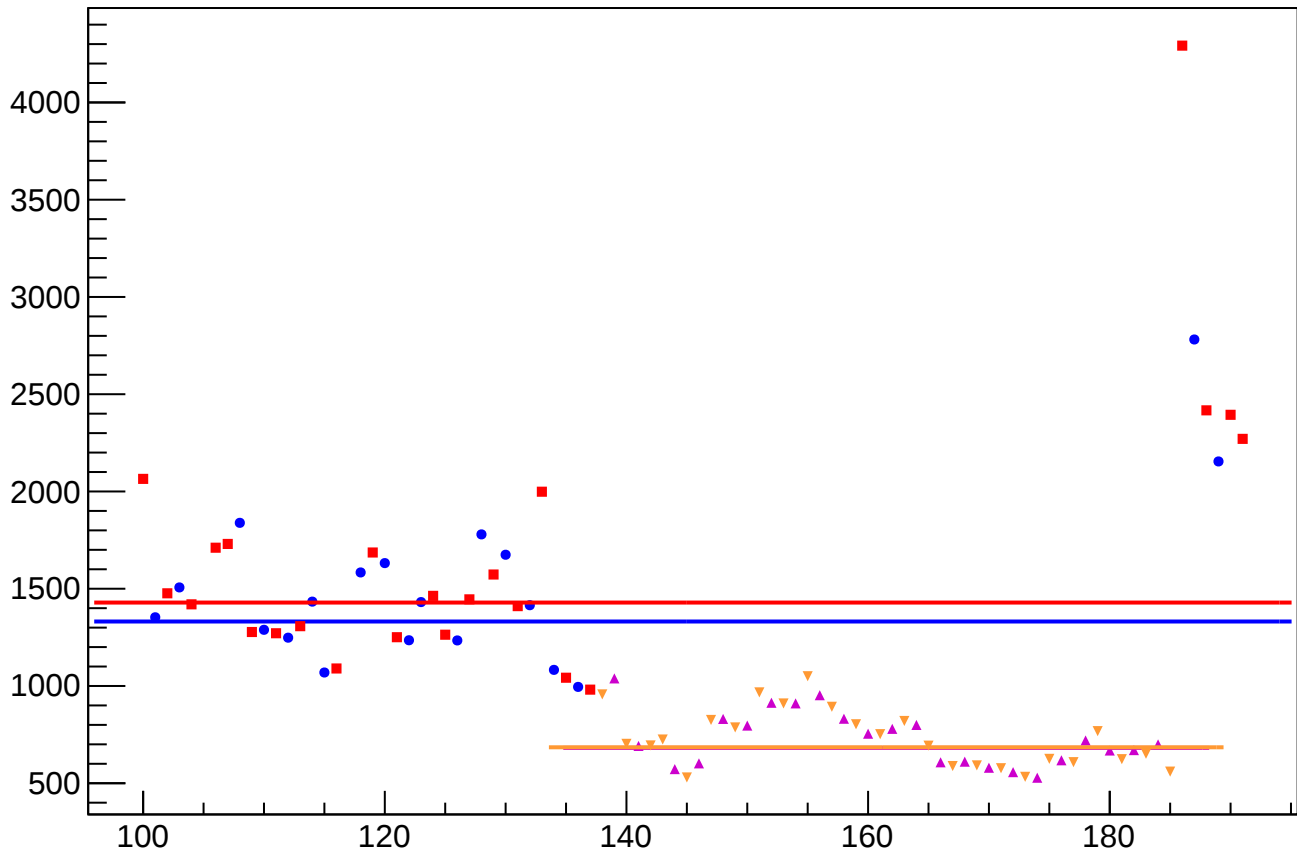
Left In: -122.198+/-166.193 χ^2/NDF : 25.9/22

+ sign -780.181+/-154.988 χ^2/NDF : 89.3/43

All: -495.997+/-110.517 χ^2/NDF : 139.6/89

- sign -202.019+/-157.636 χ^2/NDF : 43.4/45

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1331.489 ± 0.361 $\chi^2/\text{NDF}: 666801.6/18$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

Right Out: 1428.888 ± 0.352 $\chi^2/\text{NDF}: 1275671.9/22$

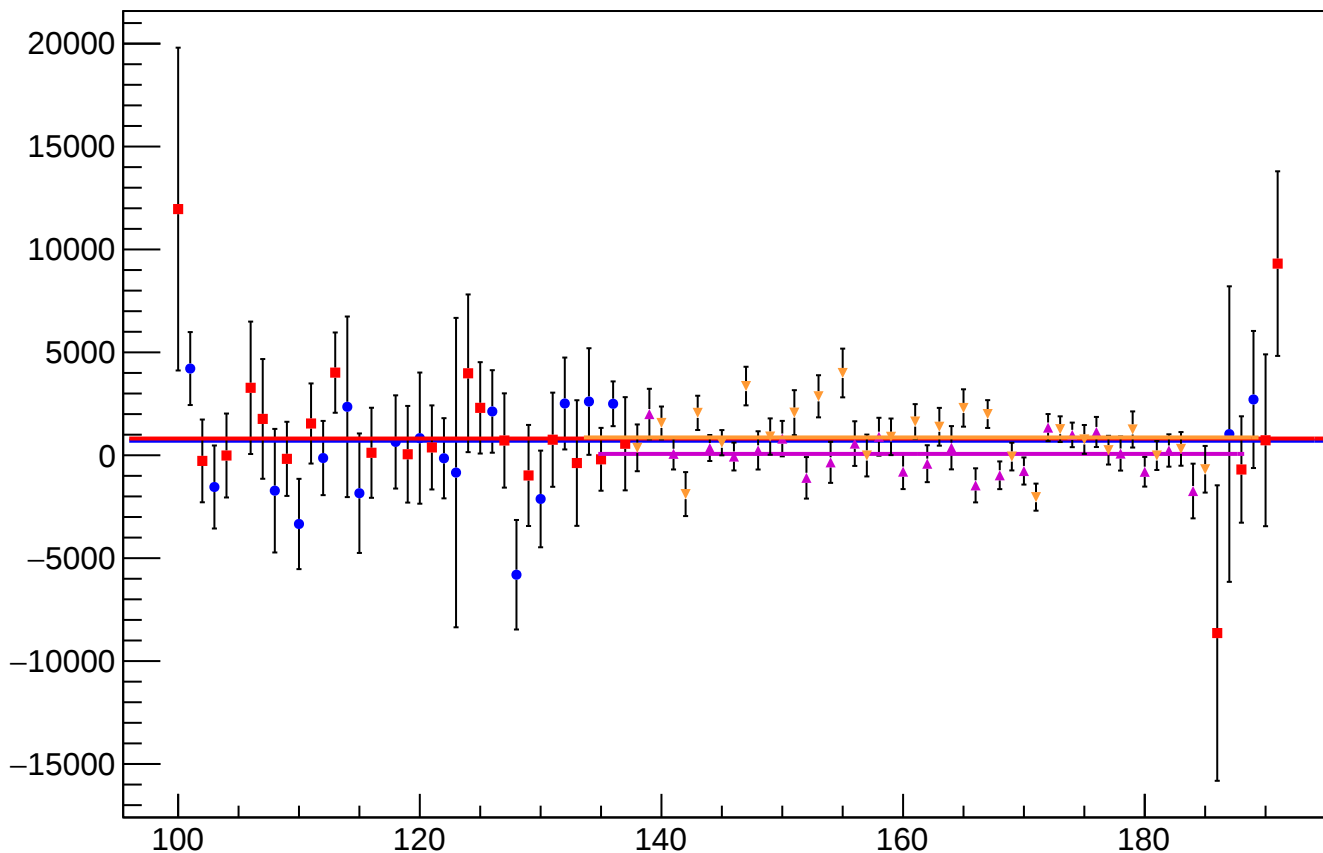
Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

+ sign 744.346 ± 0.110 $\chi^2/\text{NDF}: 4858608.6/43$

All: 750.408 ± 0.078 $\chi^2/\text{NDF}: 11316107.6/89$

- sign 756.679 ± 0.111 $\chi^2/\text{NDF}: 6451273.9/45$

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: 812.770 $\pm$ 499.355 χ^2 /NDF: 14.5/22

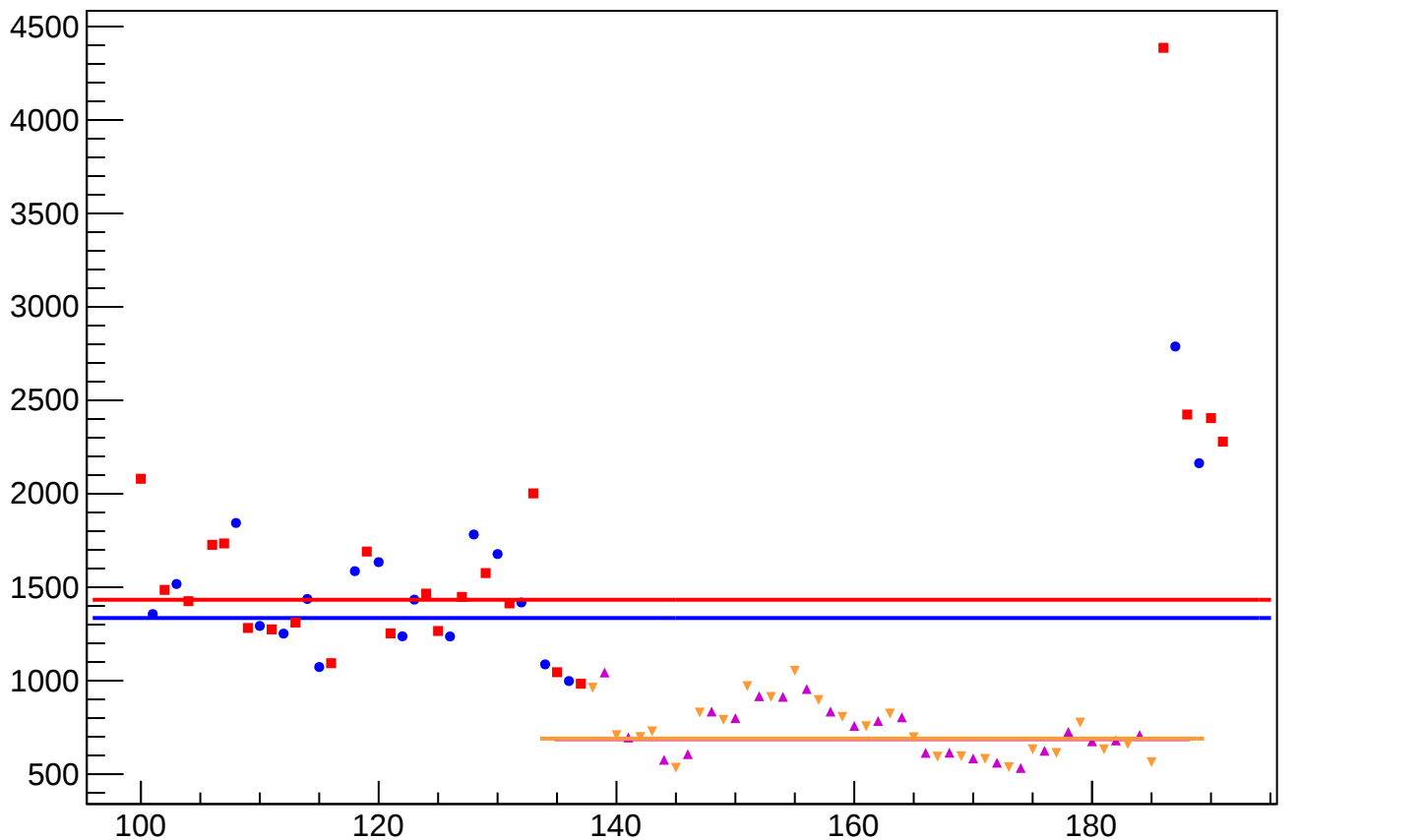
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF: 26.4/22

+ sign 850.797 $\pm$ 156.089 χ^2 /NDF: 85.7/43

All: 502.207 $\pm$ 111.315 χ^2 /NDF: 138.8/89

- sign 141.445 $\pm$ 158.791 χ^2 /NDF: 42.9/45

asym_sam_2468_avg_rms vs Slug



Right In: 1335.361+/-0.362 χ^2/NDF : 666406.7/18

Left Out: 690.166+/-0.116 χ^2/NDF : 1258158.2/24

Right Out: 1433.011+/-0.353 χ^2/NDF : 1283723.7/22

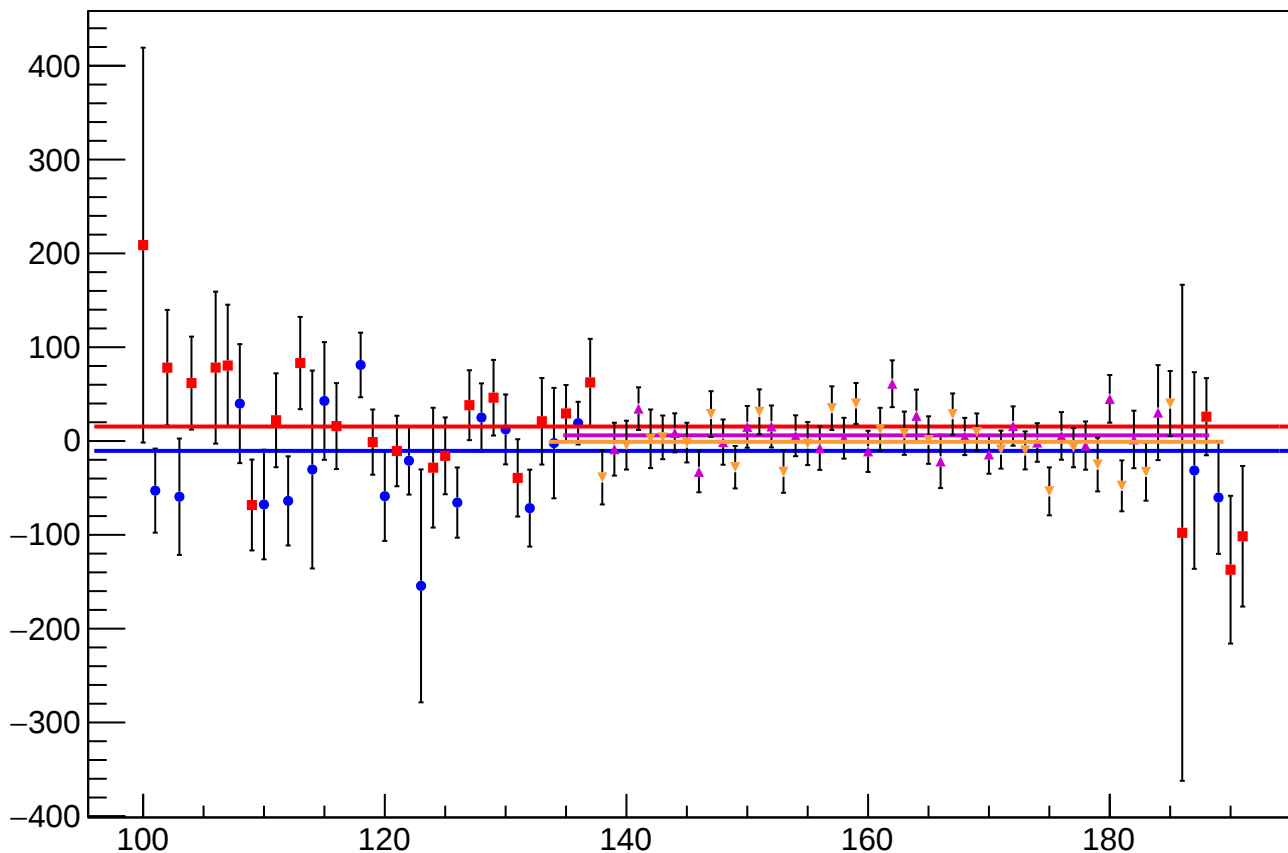
Left In: 687.216+/-0.118 χ^2/NDF : 1099706.1/22

+ sign 750.091+/-0.110 χ^2/NDF : 4803577.1/43

All: 756.253+/-0.079 χ^2/NDF : 11203428.0/89

- sign 762.631+/-0.112 χ^2/NDF : 6393507.6/45

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: 15.467 ± 9.966 χ^2/NDF : 21.4/22

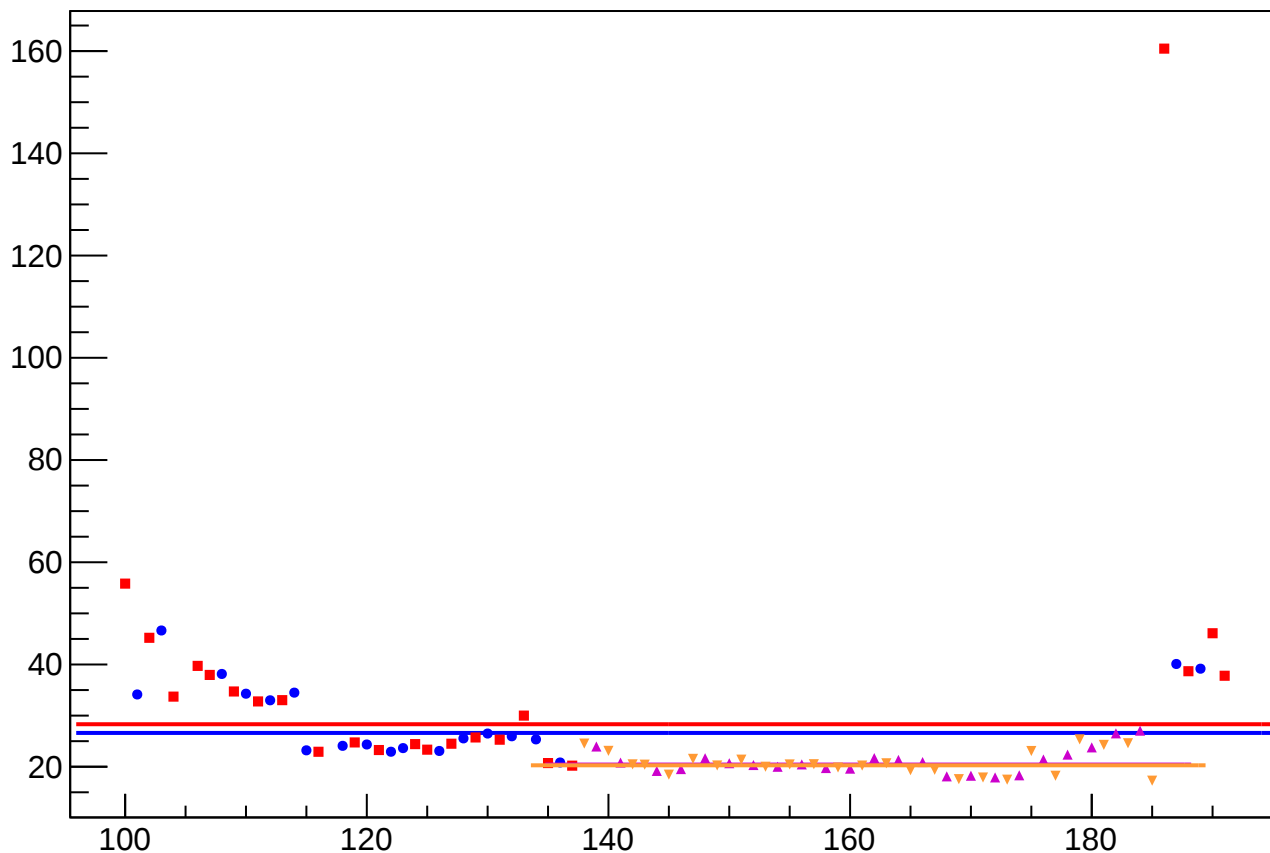
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -2.579 ± 4.315 χ^2/NDF : 51.4/43

All: 2.536 ± 3.086 χ^2/NDF : 93.4/89

- sign 7.892 ± 4.416 χ^2/NDF : 39.1/45

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.612 $\pm$ 0.007 χ^2 /NDF: 727094.9/18

Left Out: 20.279 $\pm$ 0.003 χ^2 /NDF: 407056.4/24

Right Out: 28.314 $\pm$ 0.007 χ^2 /NDF: 1474025.8/22

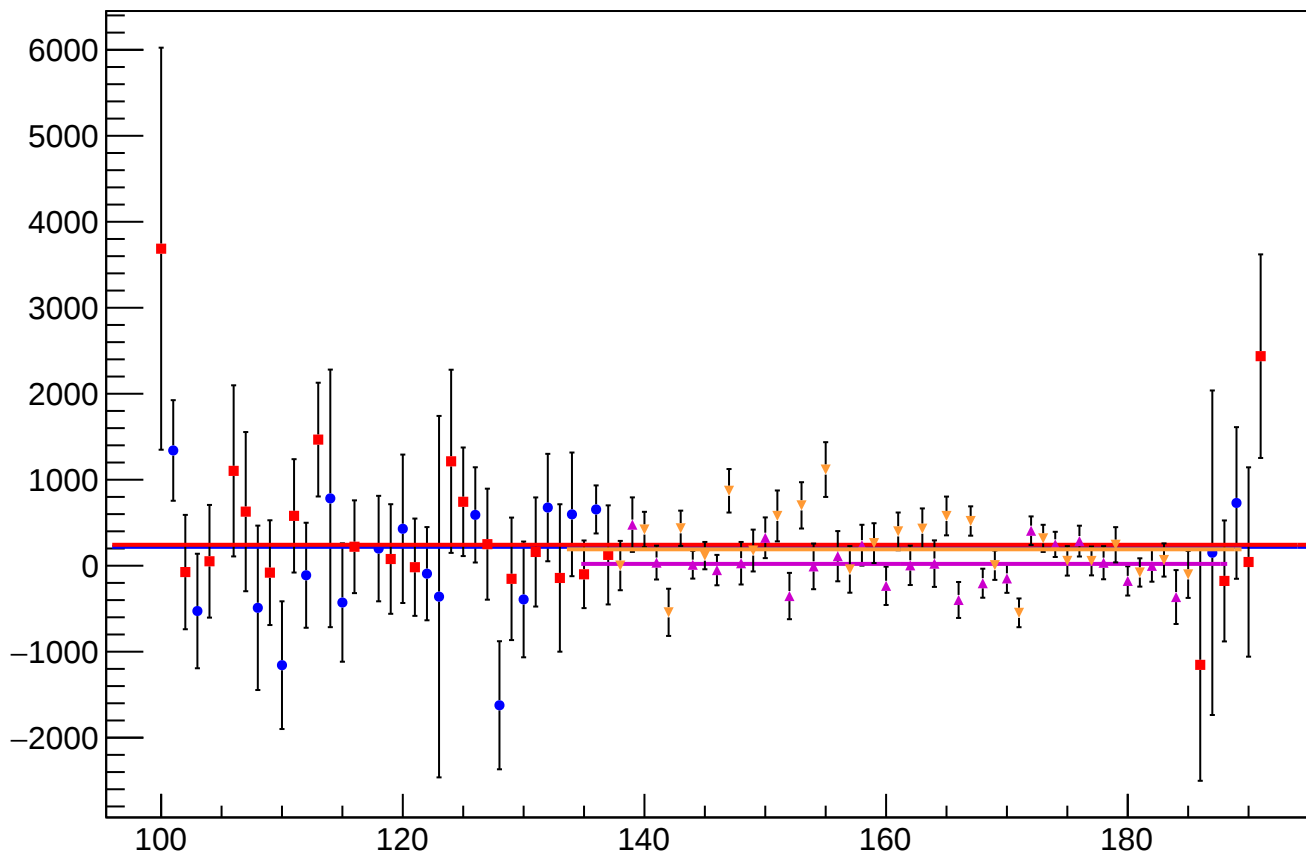
Left In: 20.424 $\pm$ 0.003 χ^2 /NDF: 323427.4/22

+ sign 21.408 $\pm$ 0.003 χ^2 /NDF: 1765130.4/43

All: 21.684 $\pm$ 0.002 χ^2 /NDF: 4586748.2/89

- sign 21.972 $\pm$ 0.003 χ^2 /NDF: 2804910.5/45

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 219.590 $\pm$ 145.710 χ^2 /NDF: 21.7/18

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: 243.410 $\pm$ 143.678 χ^2 /NDF: 15.3/22

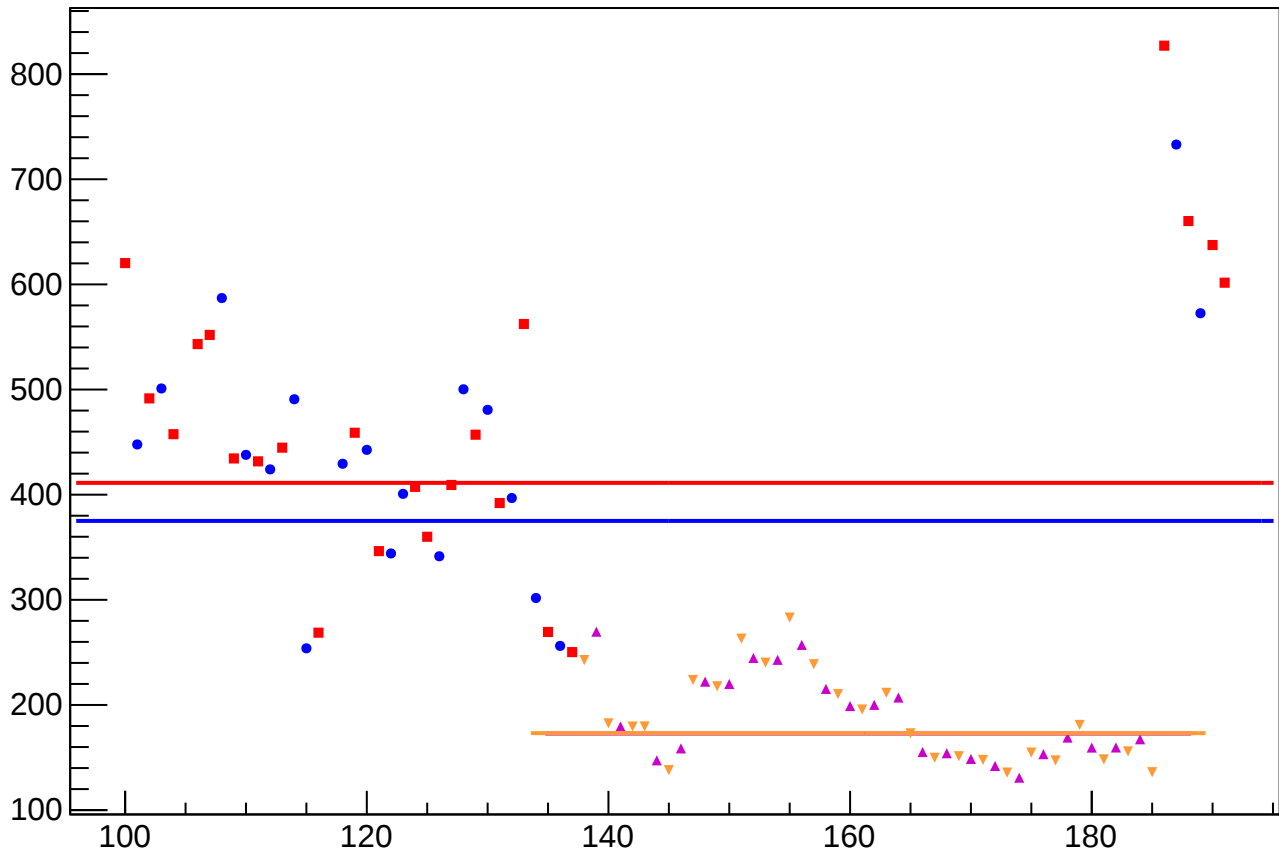
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

+ sign 193.004 $\pm$ 39.747 χ^2 /NDF: 89.6/43

All: 117.448 $\pm$ 28.392 χ^2 /NDF: 142.2/89

- sign 38.731 $\pm$ 40.570 χ^2 /NDF: 45.3/45

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 375.058 +/- 0.103 χ^2/NDF : 1007395.3/18

Left Out: 173.210 +/- 0.029 χ^2/NDF : 1561250.6/24

Right Out: 411.257 +/- 0.102 χ^2/NDF : 1401850.1/22

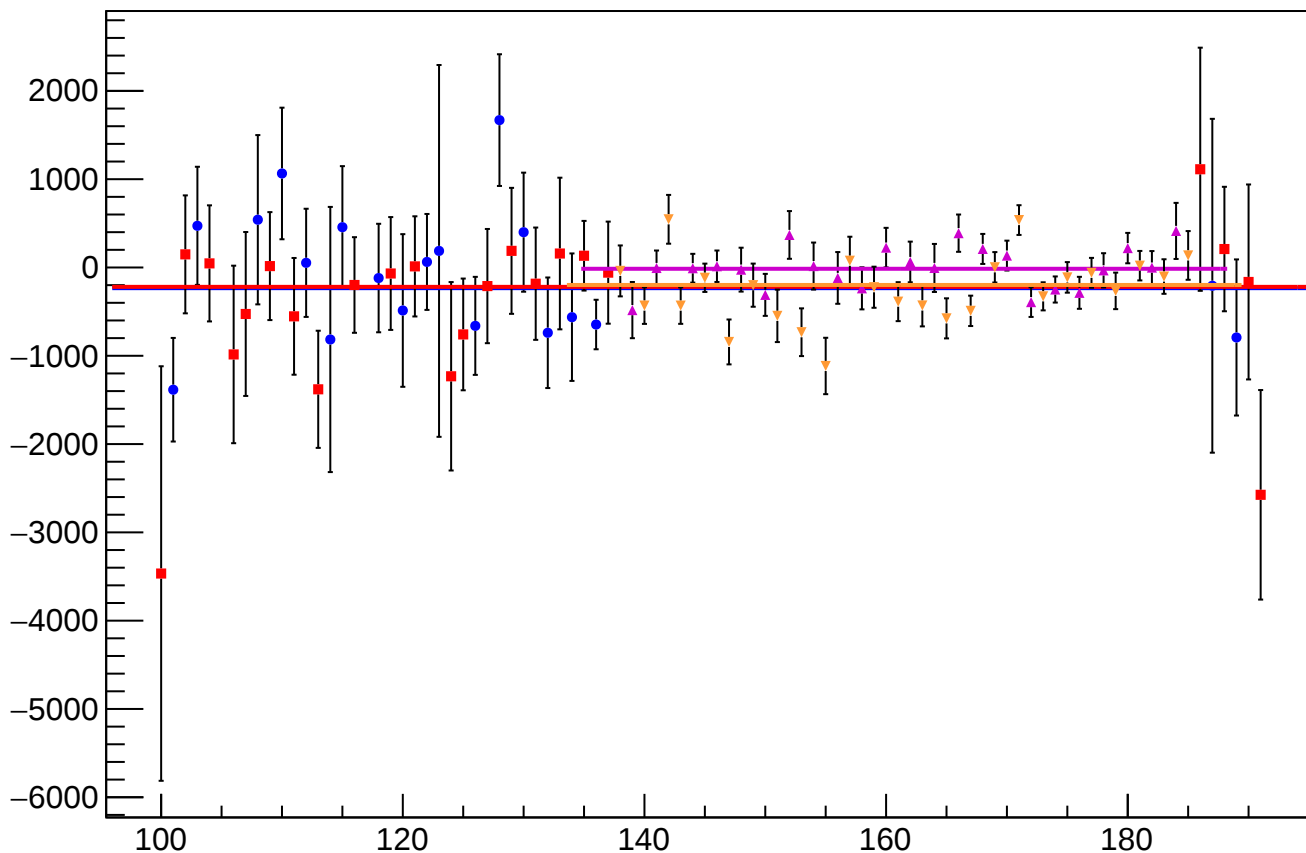
Left In: 172.828 +/- 0.030 χ^2/NDF : 1372131.7/22

+ sign 188.229 +/- 0.028 χ^2/NDF : 6121006.2/43

All: 189.997 +/- 0.020 χ^2/NDF : 13971558.3/89

- sign 191.838 +/- 0.029 χ^2/NDF : 7842479.7/45

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: -219.342 ± 144.130 χ^2/NDF : 15.0/22

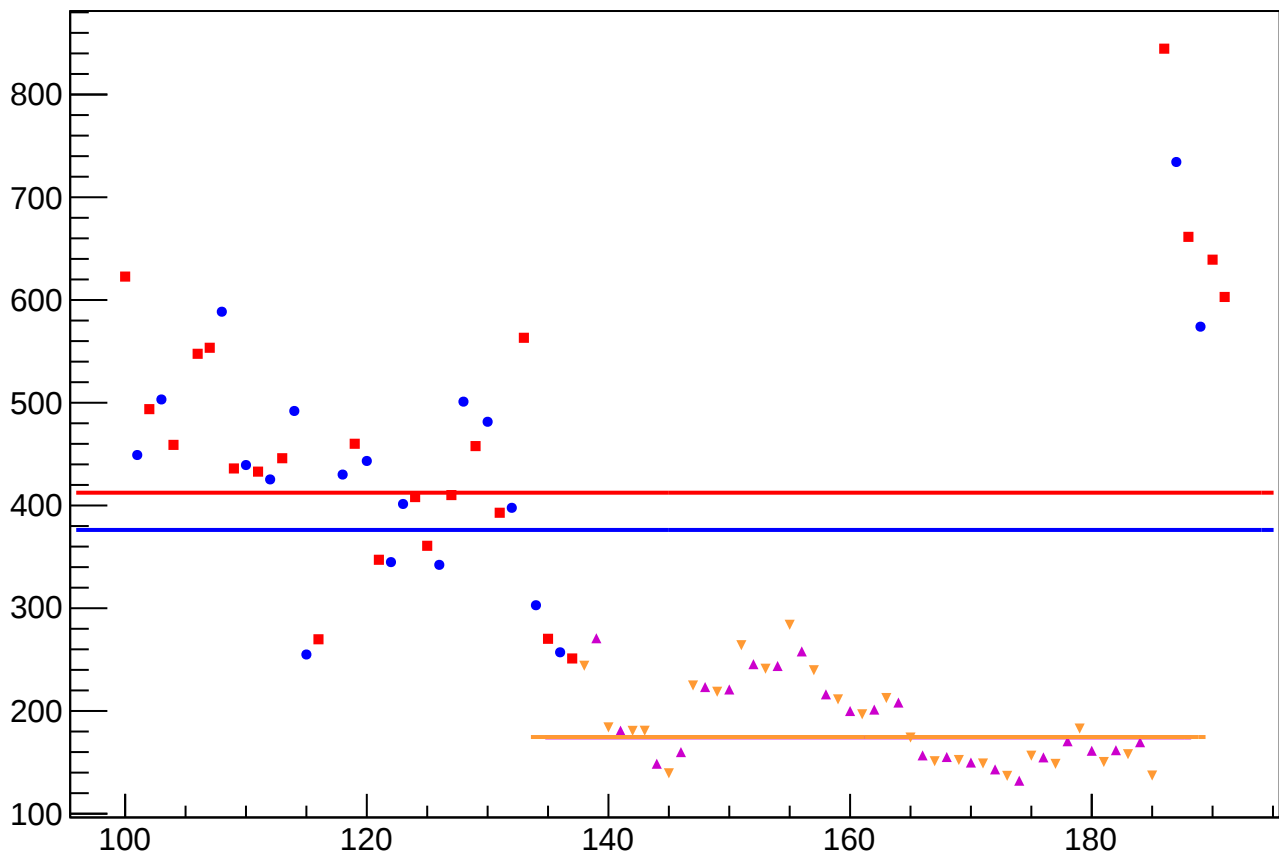
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -200.634 ± 40.044 χ^2/NDF : 86.2/43

All: -117.608 ± 28.606 χ^2/NDF : 139.6/89

- sign -31.084 ± 40.879 χ^2/NDF : 44.6/45

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: 412.451 $\pm$ 0.102 χ^2/NDF : 1407806.6/22

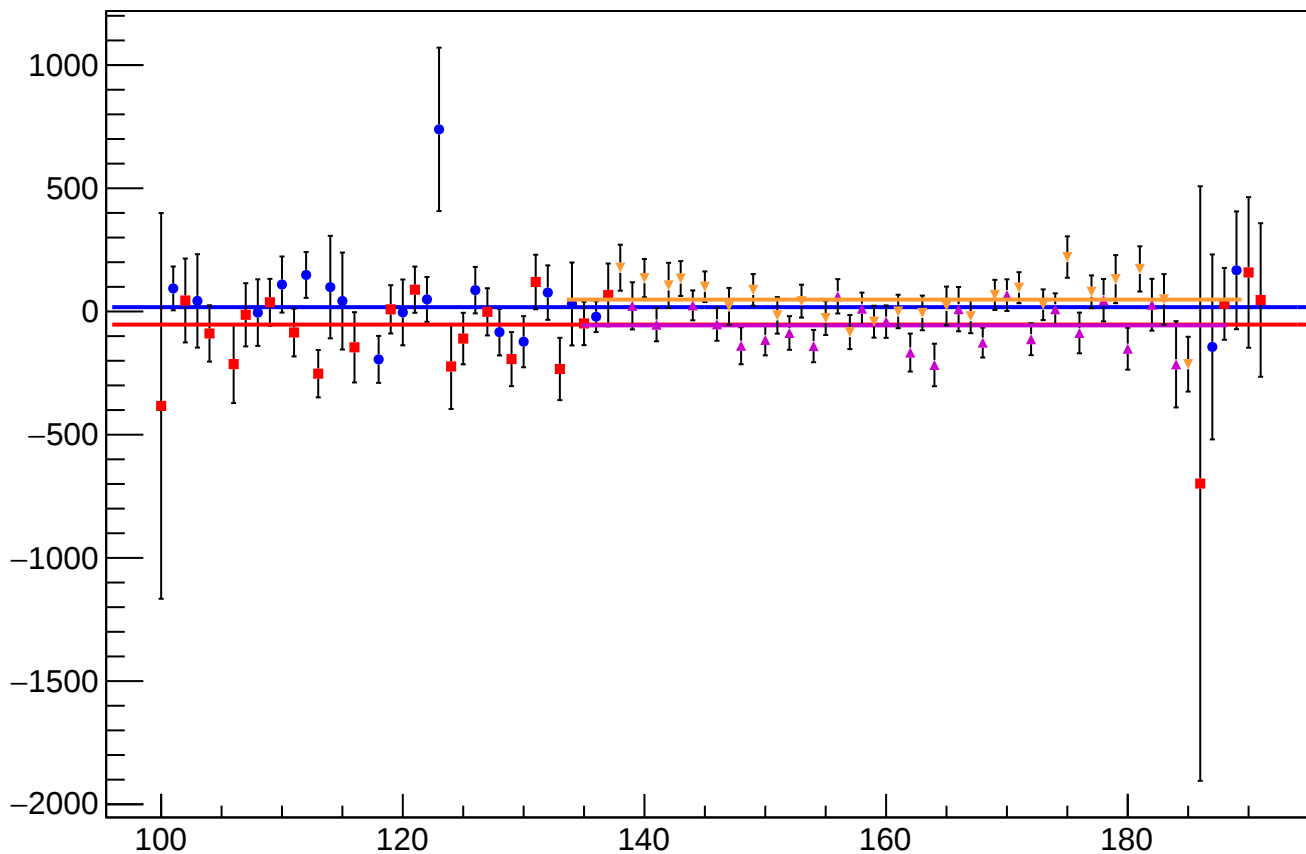
Left In: 174.288 $\pm$ 0.030 χ^2/NDF : 1344779.5/22

+ sign 189.782 $\pm$ 0.028 χ^2/NDF : 6055243.2/43

All: 191.577 $\pm$ 0.020 χ^2/NDF : 13837706.7/89

- sign 193.447 $\pm$ 0.029 χ^2/NDF : 7774262.4/45

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: -53.164 $\pm$ 25.599 χ^2 /NDF: 19.9/22

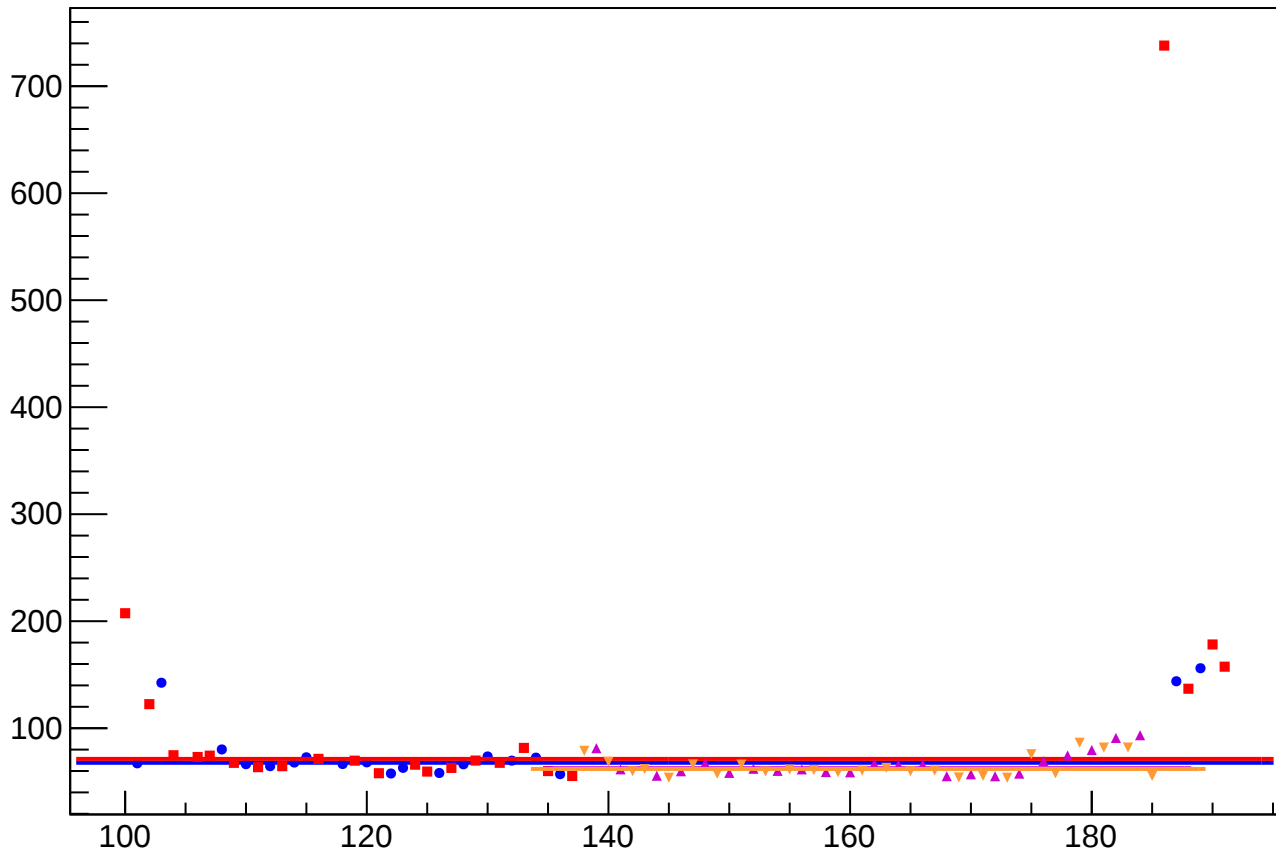
Left In: -56.403 $\pm$ 15.182 χ^2 /NDF: 27.5/22

+ sign 40.940 $\pm$ 12.759 χ^2 /NDF: 48.5/43

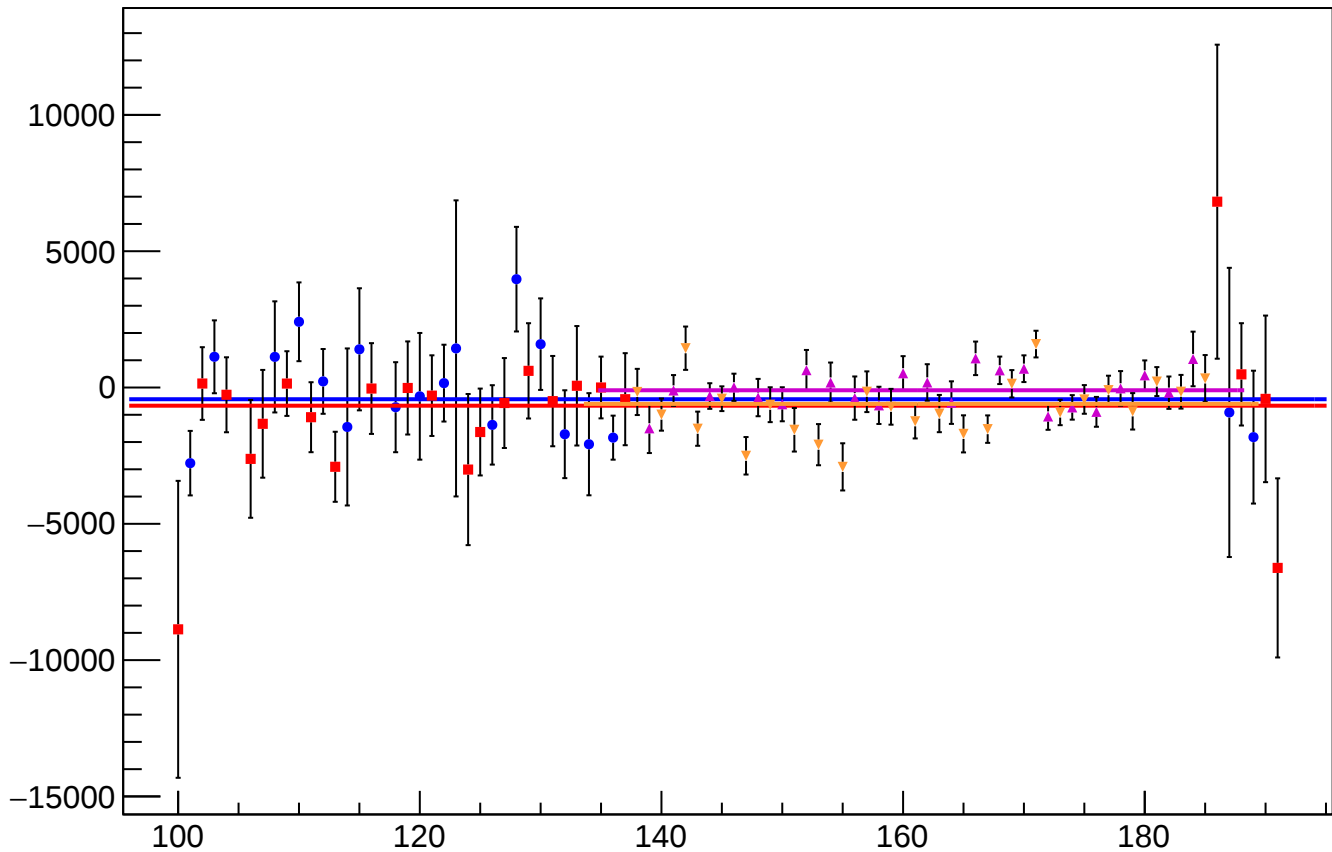
All: -6.190 $\pm$ 9.126 χ^2 /NDF: 123.8/89

- sign -55.560 $\pm$ 13.058 χ^2 /NDF: 47.4/45

reg_asym_sam_12345678_avg_rms vs Slug



asym_sam_12345678_avg_correction_mean vs Slug



Right In: -429.606 $\pm$ 362.346 χ^2 /NDF: 23.1/18

Left Out: -601.486 $\pm$ 122.119 χ^2 /NDF: 65.4/24

Right Out: -666.827 $\pm$ 351.023 χ^2 /NDF: 15.1/22

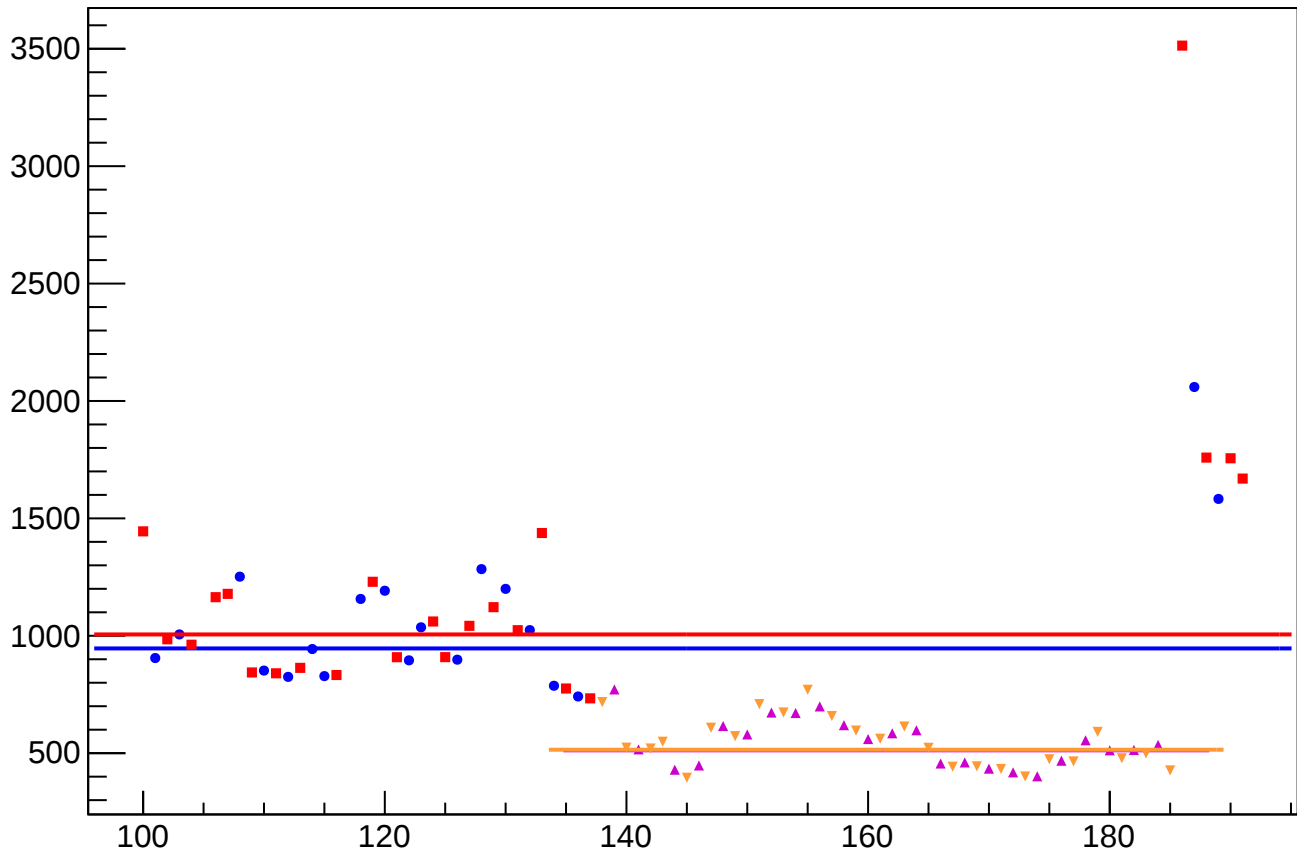
Left In: -100.548 $\pm$ 124.725 χ^2 /NDF: 25.5/22

+ sign -583.954 $\pm$ 115.723 χ^2 /NDF: 88.7/43

All: -377.237 $\pm$ 82.459 χ^2 /NDF: 138.0/89

- sign -164.027 $\pm$ 117.526 χ^2 /NDF: 42.9/45

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: 1005.713 $\pm$ 0.248 χ^2 /NDF: 1335273.1/22

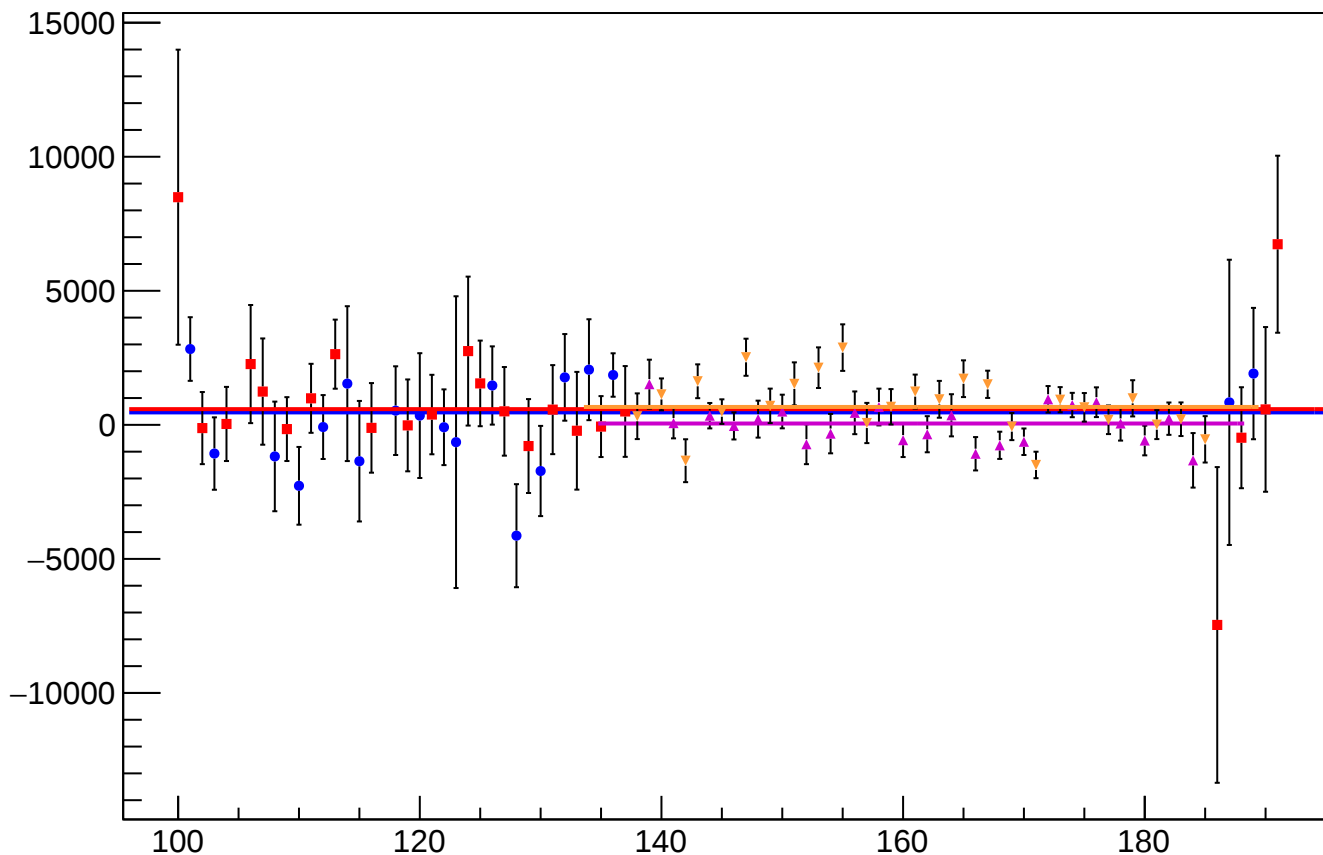
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 558.758 $\pm$ 0.082 χ^2 /NDF: 4366789.0/43

All: 563.072 $\pm$ 0.058 χ^2 /NDF: 10259133.0/89

- sign 567.521 $\pm$ 0.083 χ^2 /NDF: 5886698.5/45

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: 586.191+/-352.449 χ^2/NDF : 14.2/22

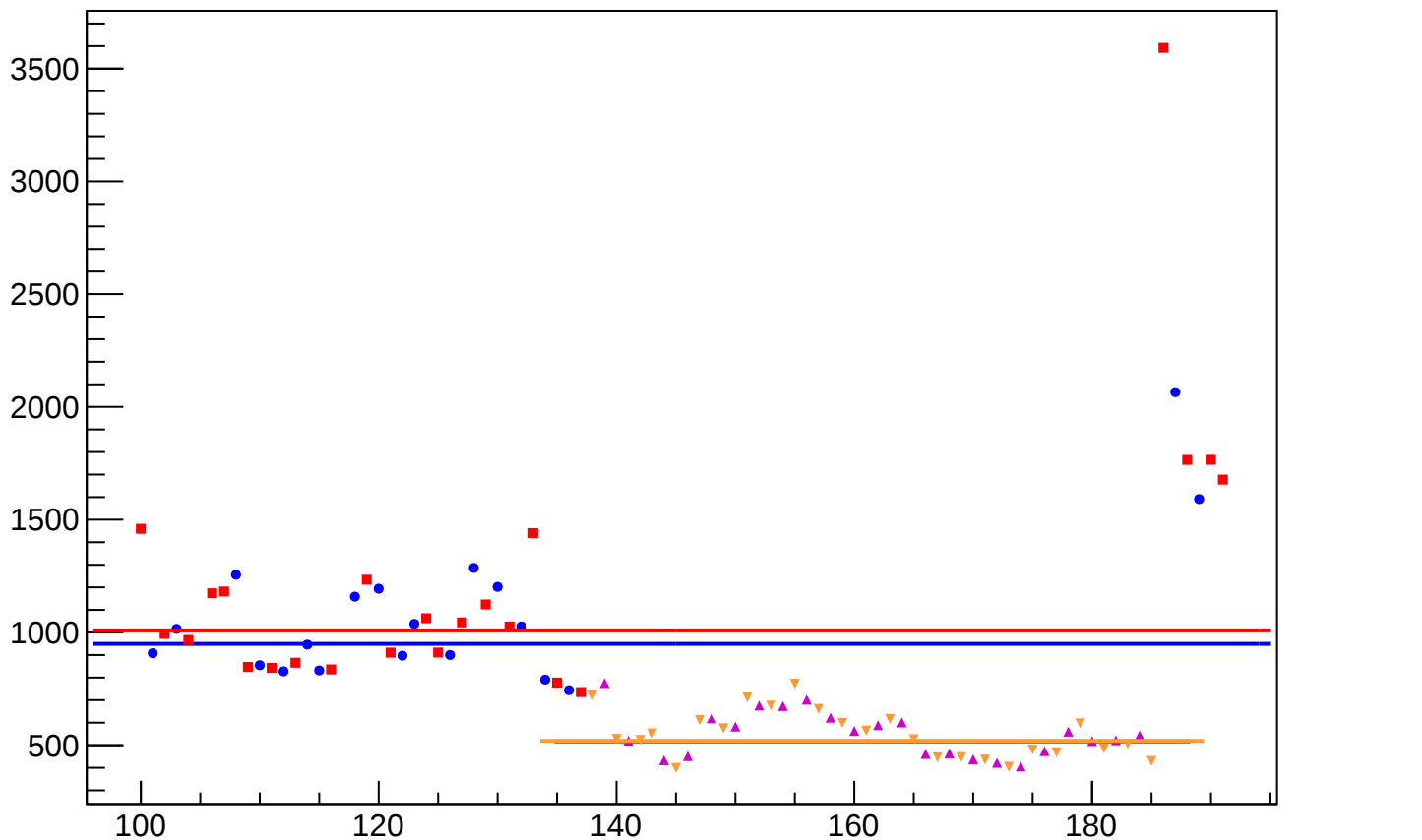
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 646.665+/-116.637 χ^2/NDF : 85.0/43

All: 382.872+/-83.120 χ^2/NDF : 137.8/89

- sign 110.665+/-118.483 χ^2/NDF : 42.4/45

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: 1009.192 $\pm$ 0.249 χ^2 /NDF: 1342600.4/22

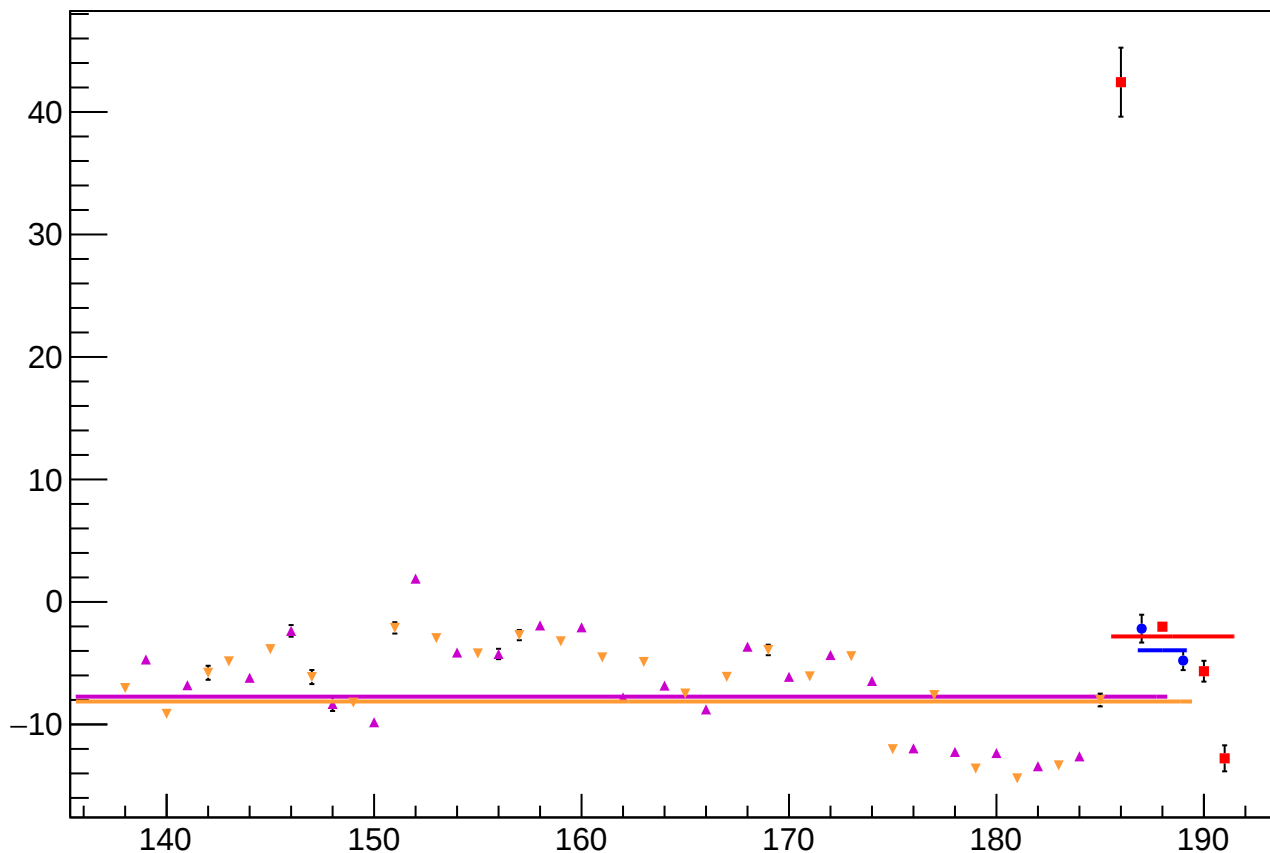
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF:1021374.1/22

+ sign 563.522 $\pm$ 0.082 χ^2 /NDF: 4309891.5/43

All: 567.910 $\pm$ 0.059 χ^2 /NDF: 10142134.8/89

- sign 572.438 $\pm$ 0.084 χ^2 /NDF: 5826490.4/45

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: -2.817 ± 0.298 χ^2/NDF : 362.6/3

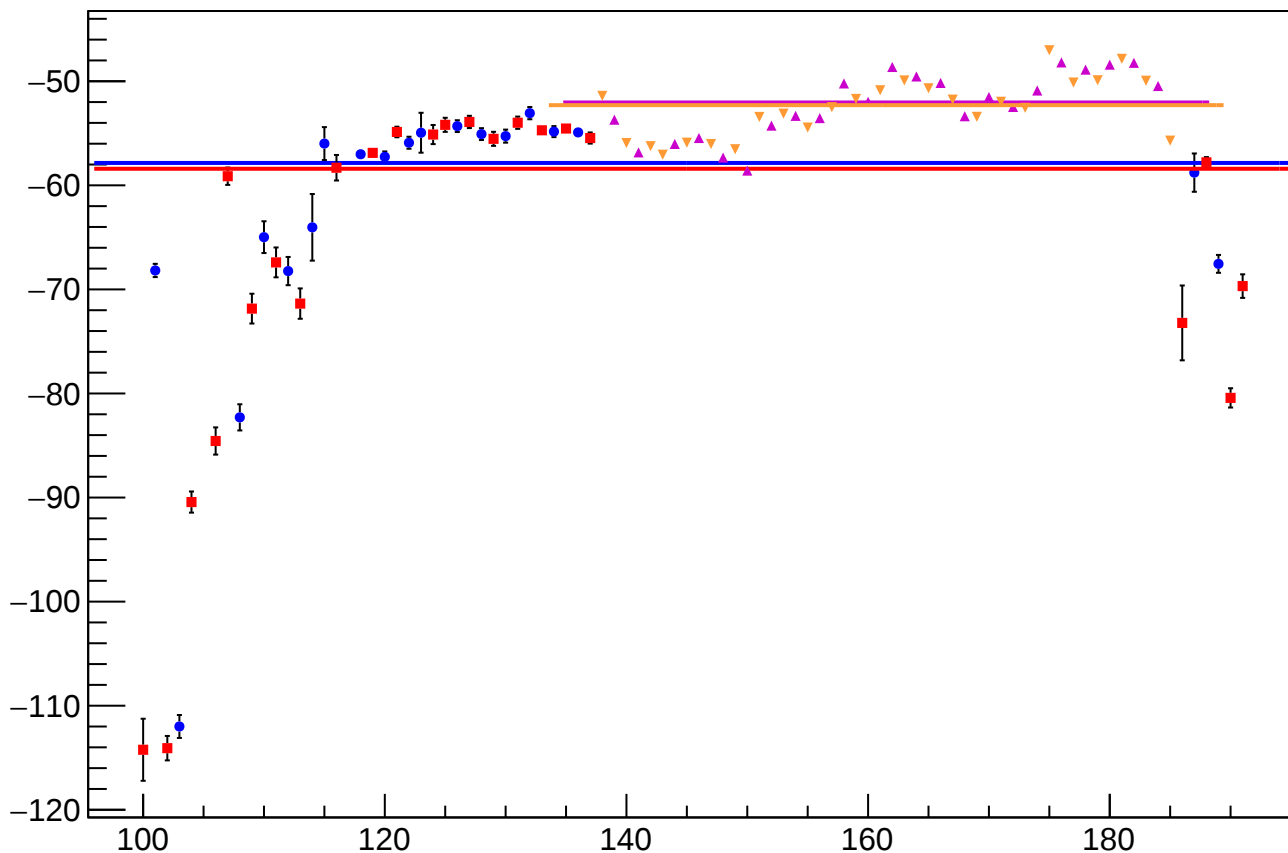
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -8.082 ± 0.067 χ^2/NDF : 3680.7/26

All: -7.783 ± 0.047 χ^2/NDF : 8060.3/53

- sign -7.483 ± 0.067 χ^2/NDF : 4339.7/26

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: -58.408 ± 0.135 χ^2/NDF : 5405.5/22

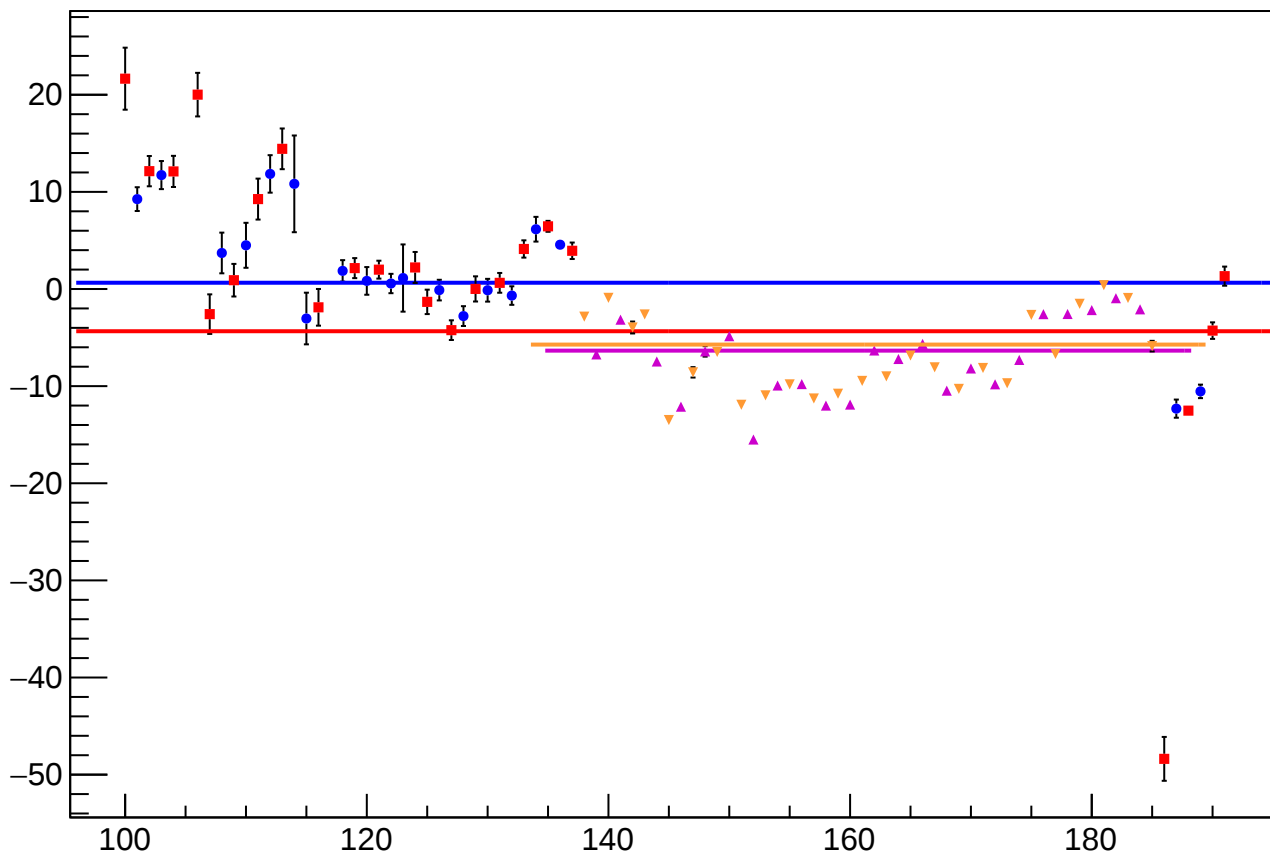
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.033 ± 0.051 χ^2/NDF : 7595.5/43

All: -53.019 ± 0.037 χ^2/NDF : 18065.9/89

- sign -53.004 ± 0.053 χ^2/NDF : 10470.2/45

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: -4.347 ± 0.183 χ^2/NDF : 2549.0/22

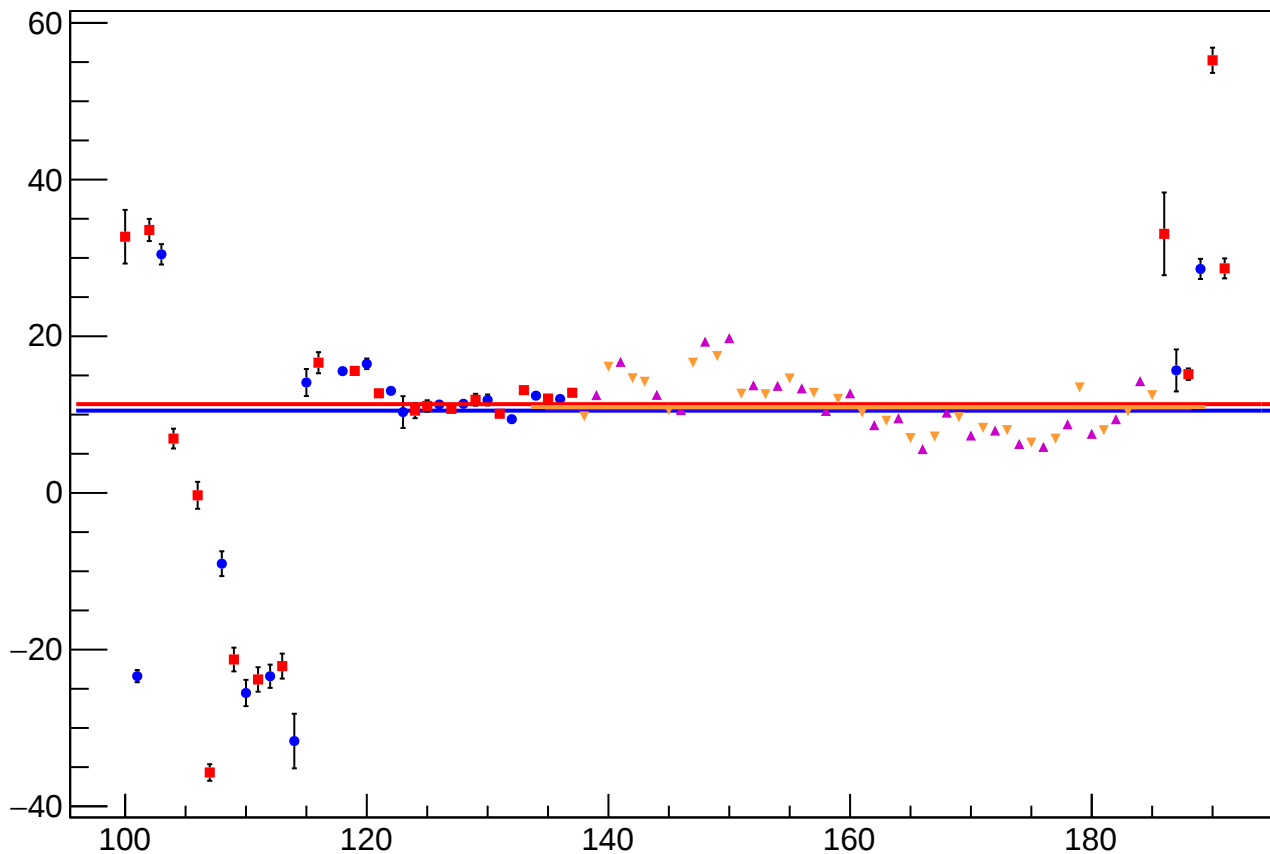
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -5.236 ± 0.065 χ^2/NDF : 5393.7/43

All: -5.671 ± 0.046 χ^2/NDF : 11520.1/89

- sign -6.097 ± 0.064 χ^2/NDF : 6037.6/45

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.505 ± 0.157 $\chi^2/\text{NDF}: 3884.9/18$

Left Out: 10.967 ± 0.061 $\chi^2/\text{NDF}: 2637.7/24$

Right Out: 11.335 ± 0.155 $\chi^2/\text{NDF}: 4830.5/22$

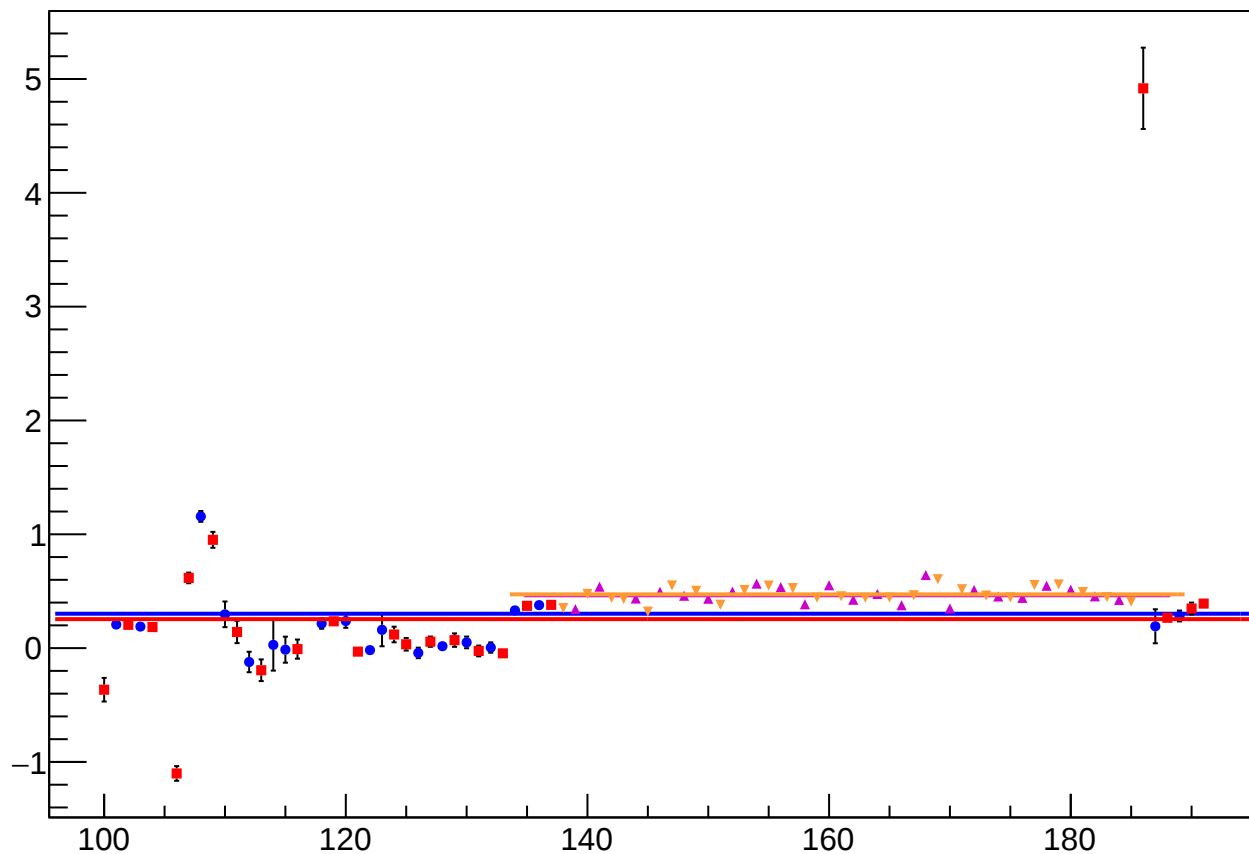
Left In: 10.813 ± 0.063 $\chi^2/\text{NDF}: 3546.8/22$

+ sign 10.906 ± 0.057 $\chi^2/\text{NDF}: 6530.1/43$

All: 10.897 ± 0.041 $\chi^2/\text{NDF}: 14917.2/89$

- sign 10.888 ± 0.058 $\chi^2/\text{NDF}: 8387.1/45$

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: 0.255 ± 0.008 χ^2/NDF : 1175.0/22

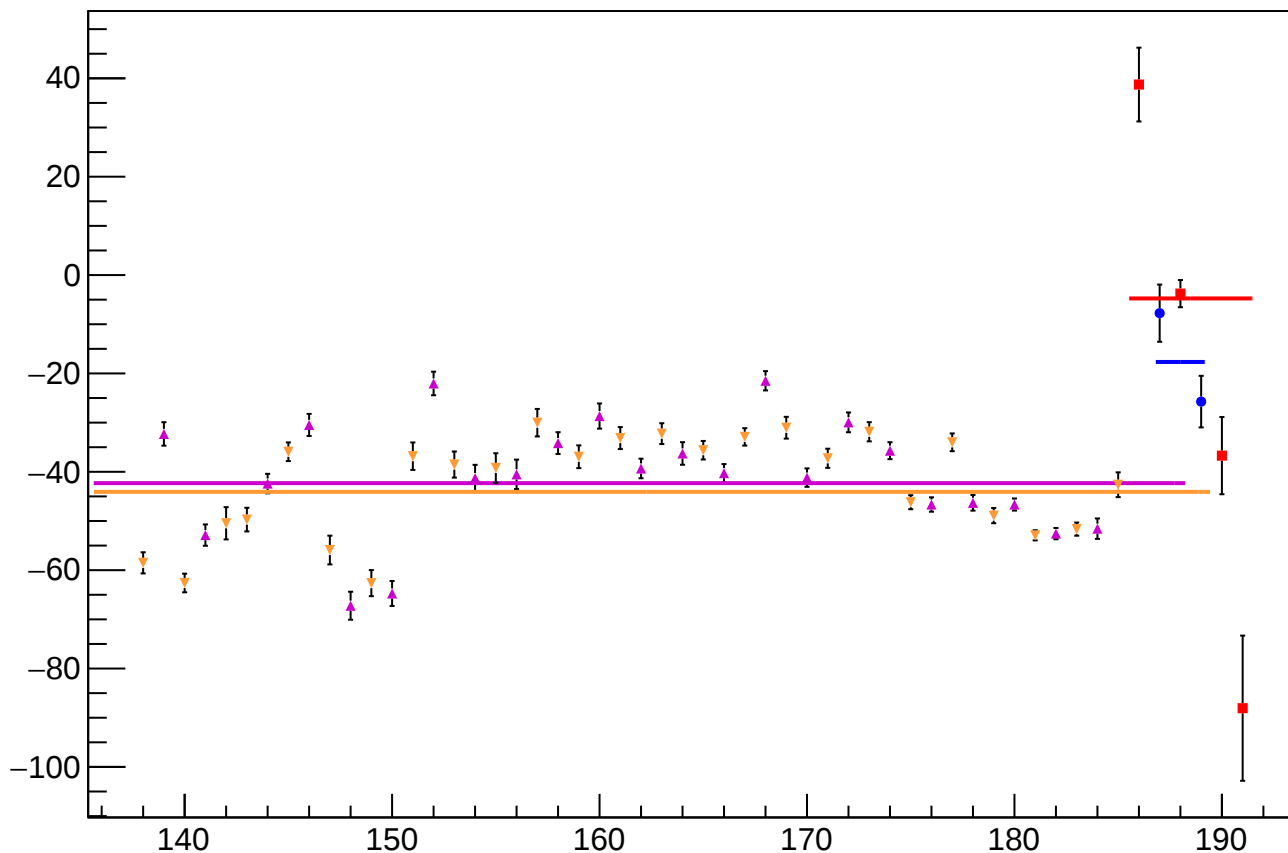
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.454 ± 0.003 χ^2/NDF : 1562.7/43

All: 0.448 ± 0.002 χ^2/NDF : 4105.1/89

- sign 0.441 ± 0.003 χ^2/NDF : 2529.6/45

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: -4.752 ± 2.430 χ^2/NDF : 82.2/3

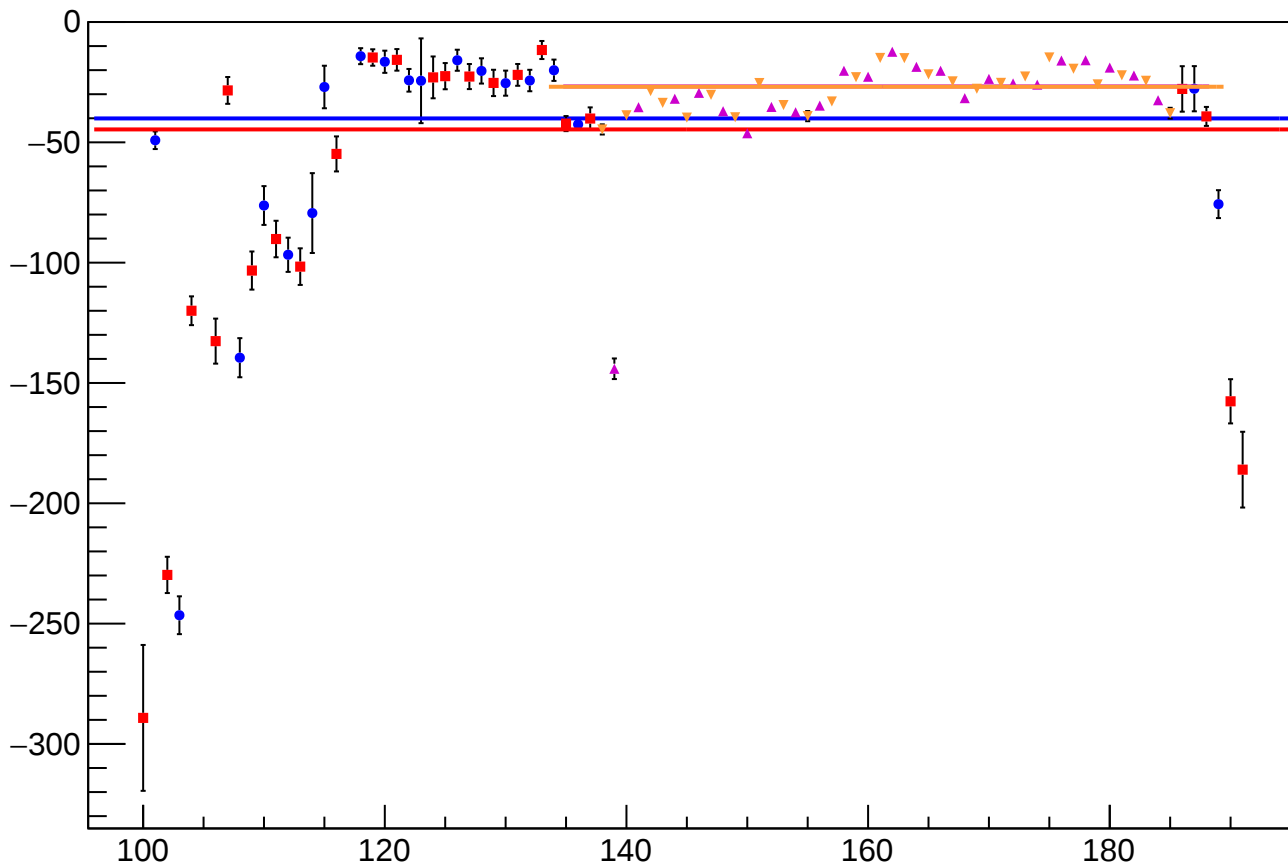
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.817 ± 0.387 χ^2/NDF : 683.4/26

All: -42.590 ± 0.276 χ^2/NDF : 1659.3/53

- sign -41.317 ± 0.394 χ^2/NDF : 955.4/26

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -40.067 ± 1.120 χ^2/NDF : 1162.3/18

Left Out: -26.902 ± 0.316 χ^2/NDF : 631.0/24

Right Out: -44.633 ± 1.138 χ^2/NDF : 1585.4/22

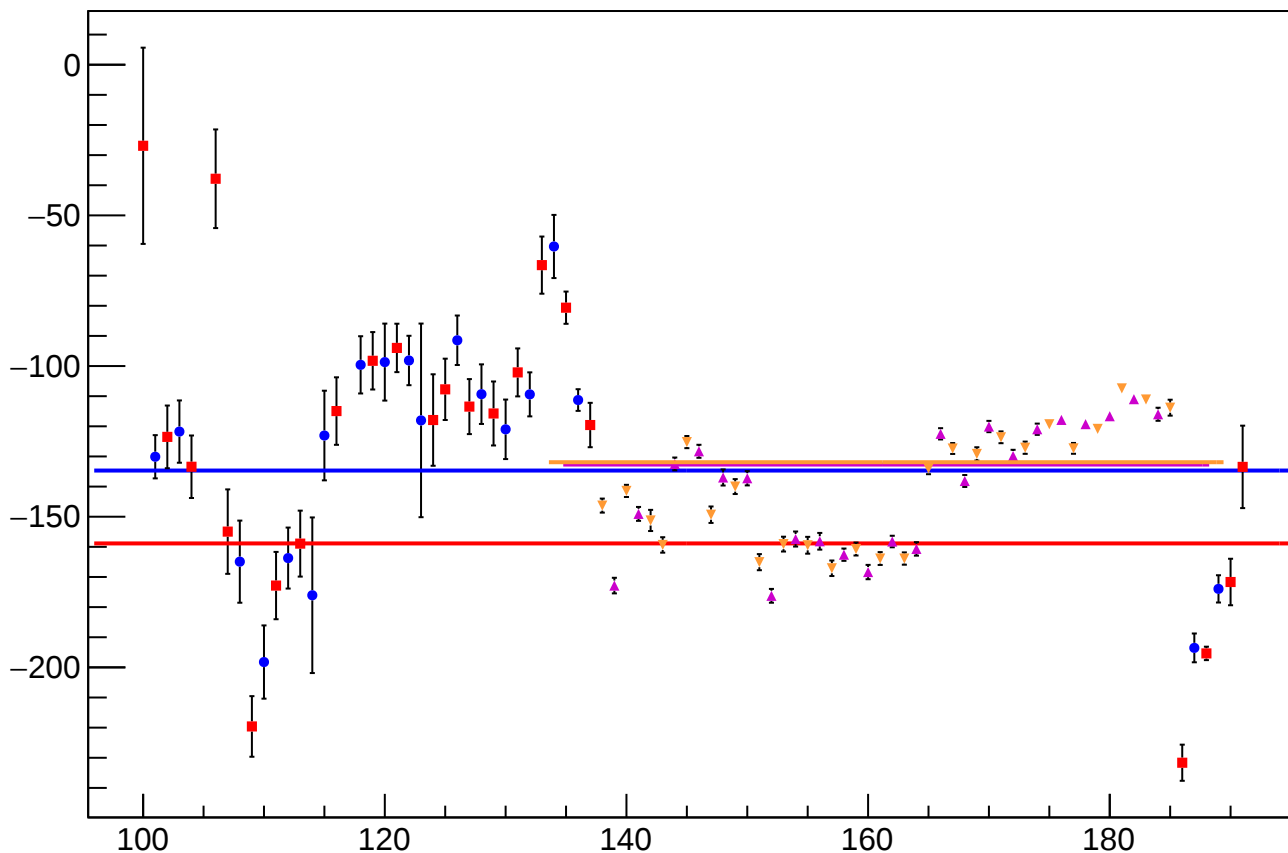
Left In: -26.774 ± 0.326 χ^2/NDF : 1394.5/22

+ sign -27.875 ± 0.304 χ^2/NDF : 1921.3/43

All: -27.999 ± 0.218 χ^2/NDF : 5129.2/89

- sign -28.131 ± 0.314 χ^2/NDF : 3207.5/45

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -134.680 $\pm$ 1.760 χ^2 /NDF: 455.2/18

Left Out: -131.912 $\pm$ 0.391 χ^2 /NDF: 2439.3/24

Right Out: -158.864 $\pm$ 1.482 χ^2 /NDF: 1131.2/22

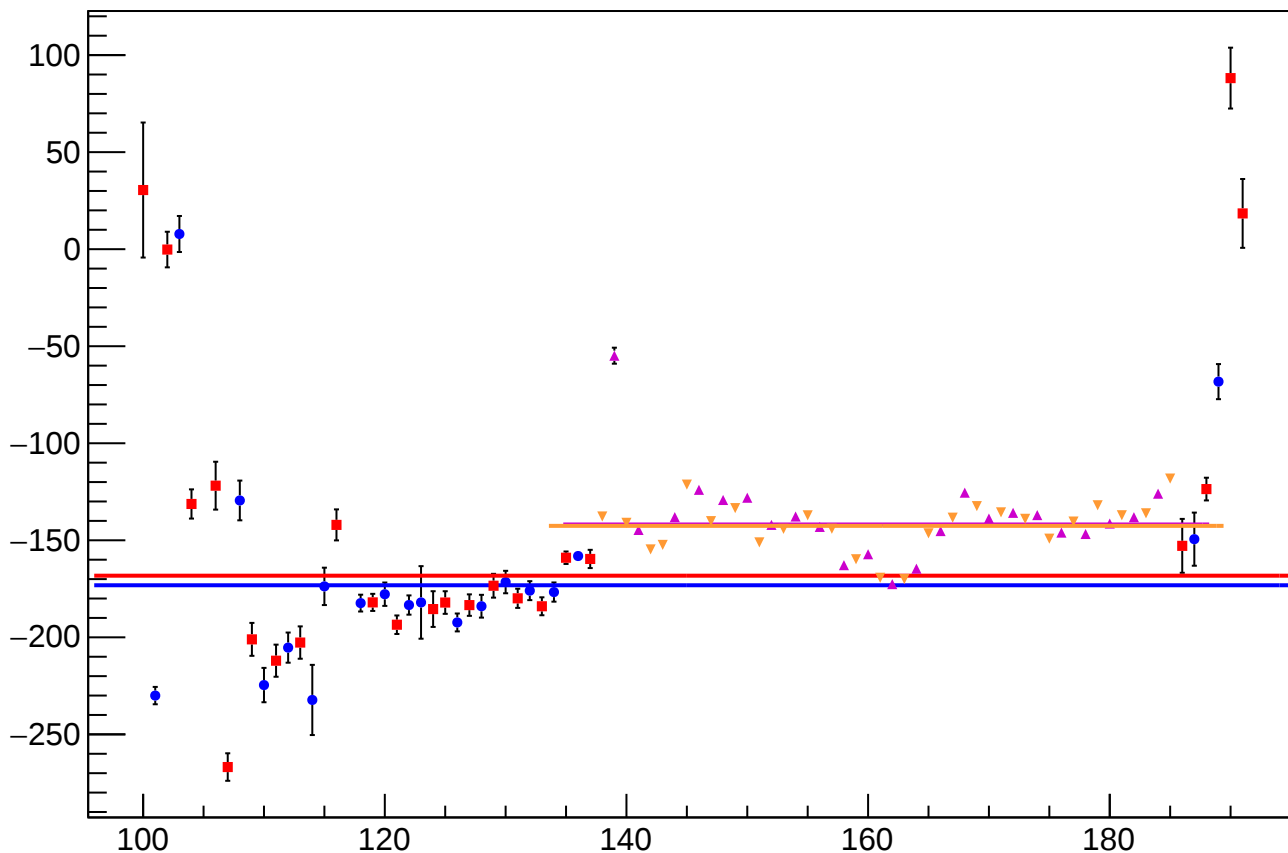
Left In: -132.690 $\pm$ 0.399 χ^2 /NDF: 2480.2/22

+ sign -132.043 $\pm$ 0.382 χ^2 /NDF: 2896.9/43

All: -133.241 $\pm$ 0.271 χ^2 /NDF: 6819.1/89

- sign -134.463 $\pm$ 0.386 χ^2 /NDF: 3902.3/45

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: -168.236 ± 1.309 χ^2/NDF : 1192.2/22

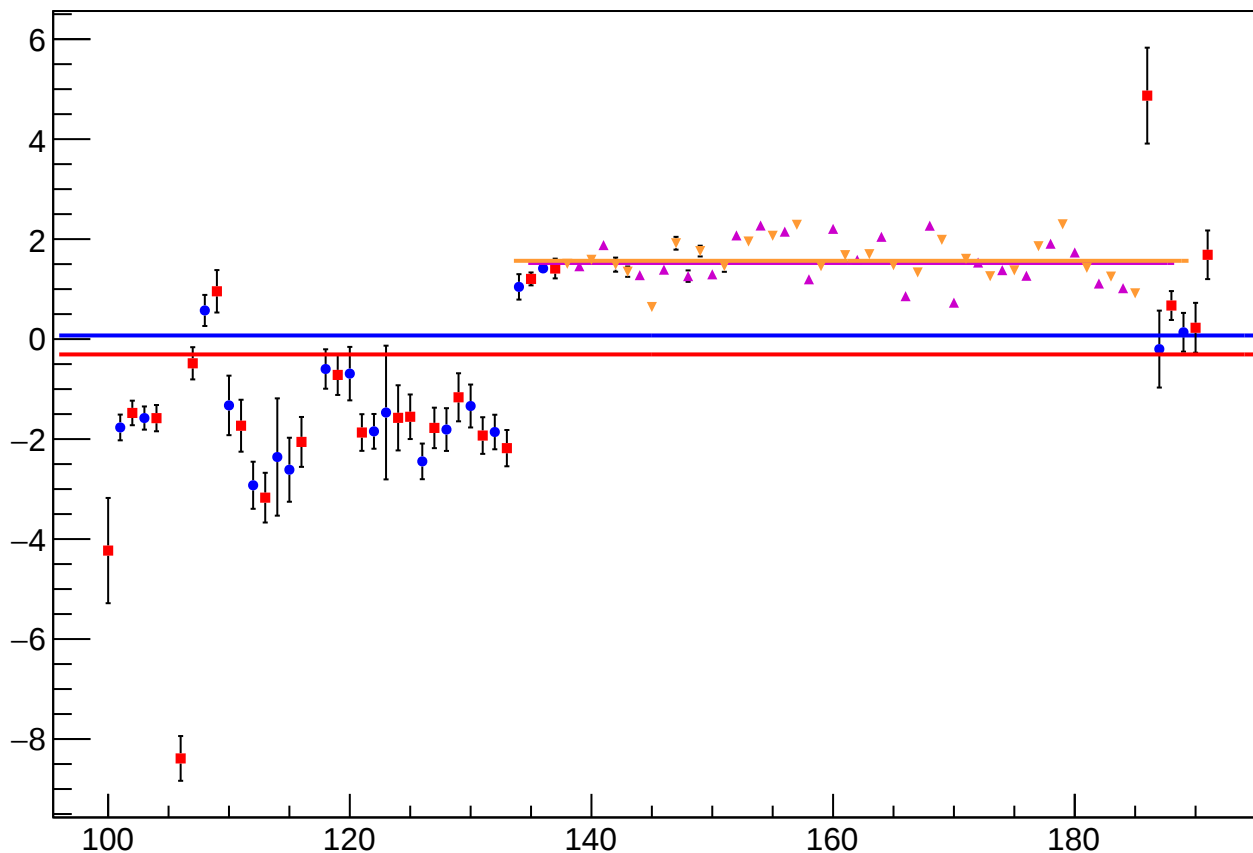
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -144.801 ± 0.341 χ^2/NDF : 2526.1/43

All: -144.288 ± 0.244 χ^2/NDF : 5643.9/89

- sign -143.746 ± 0.350 χ^2/NDF : 3113.2/45

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.073 ± 0.066 χ^2/NDF : 525.3/18

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: -0.307 ± 0.068 χ^2/NDF : 813.2/22

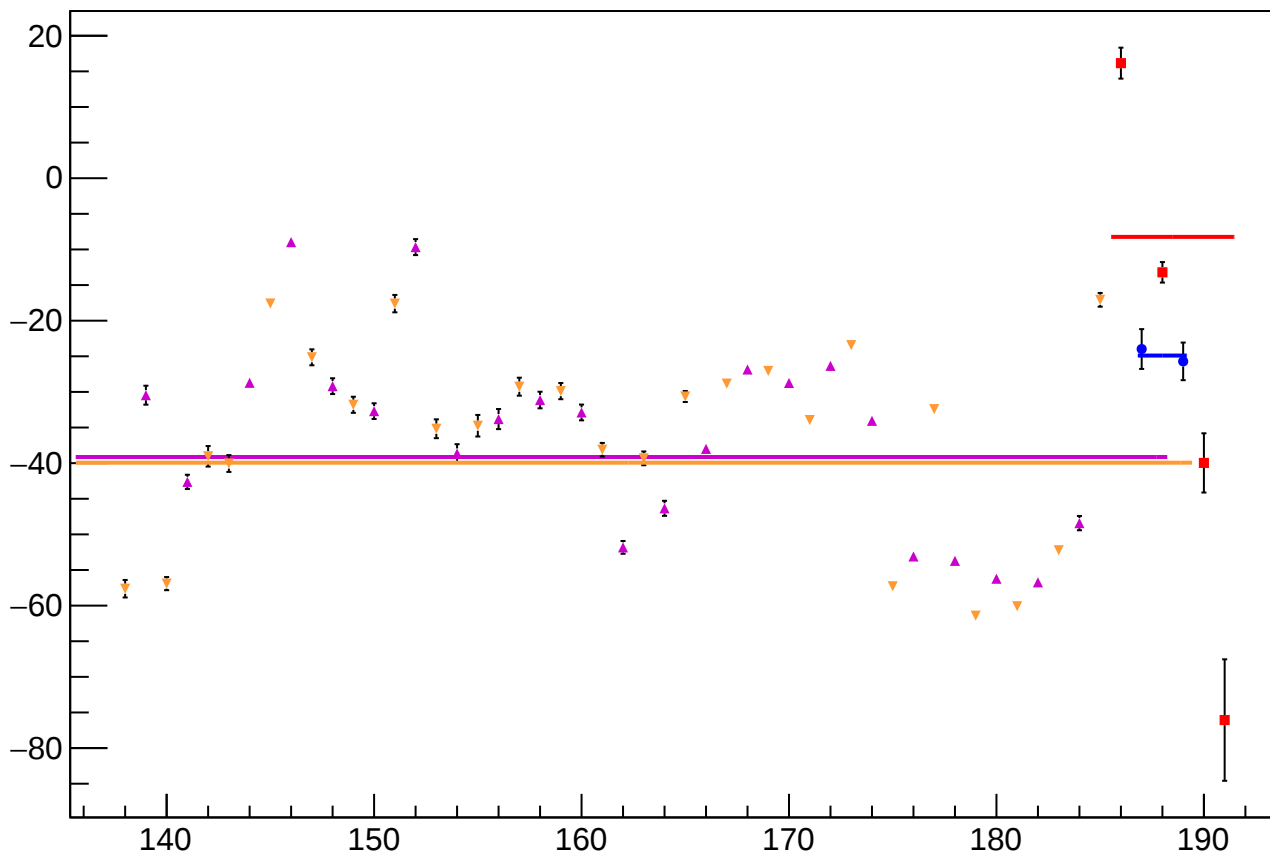
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.481 ± 0.016 χ^2/NDF : 1551.8/43

All: 1.452 ± 0.011 χ^2/NDF : 3798.0/89

- sign 1.421 ± 0.016 χ^2/NDF : 2238.9/45

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: -8.235 ± 1.143 $\chi^2/\text{NDF}: 259.5/3$

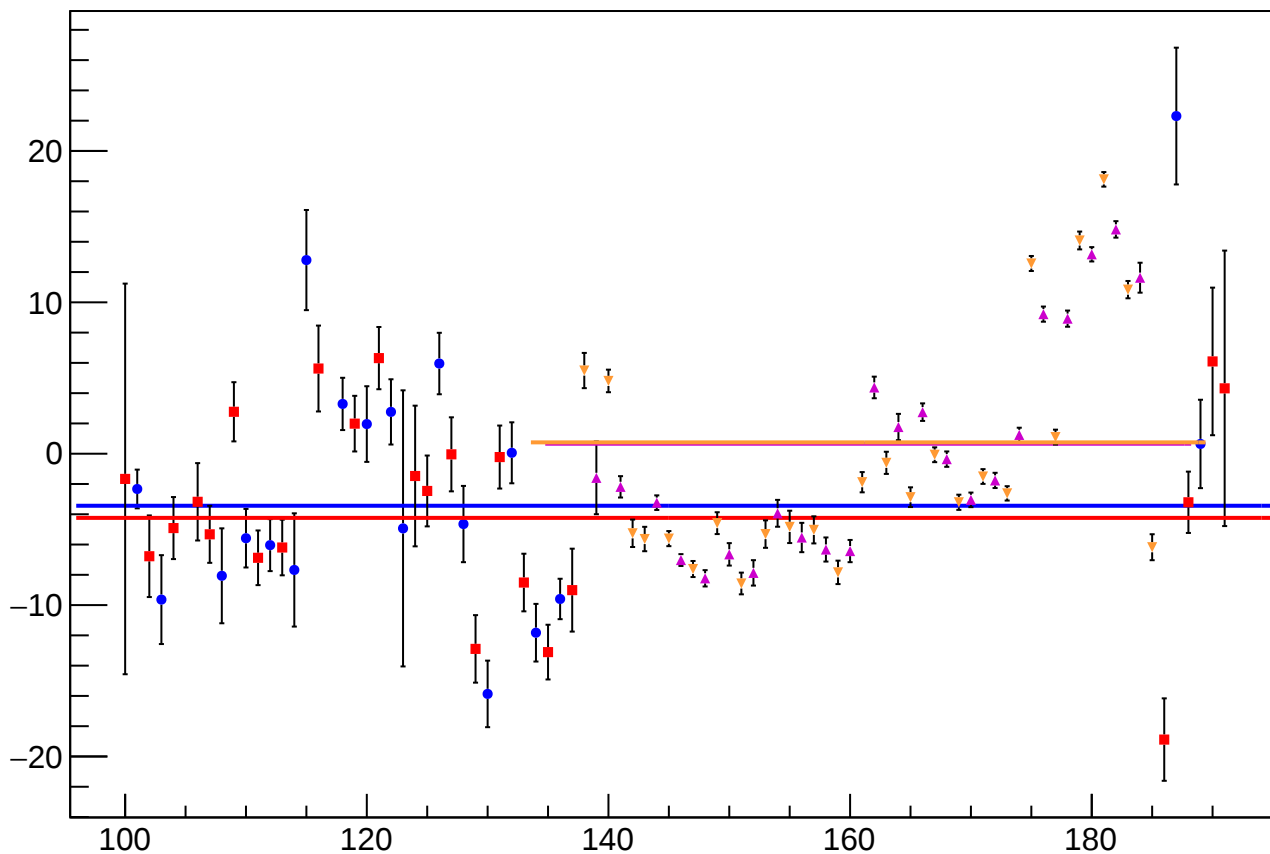
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -39.840 ± 0.153 $\chi^2/\text{NDF}: 9867.8/26$

All: -39.213 ± 0.108 $\chi^2/\text{NDF}: 19413.9/53$

- sign -38.581 ± 0.153 $\chi^2/\text{NDF}: 9512.3/26$

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: -4.239 ± 0.481 χ^2/NDF : 157.0/22

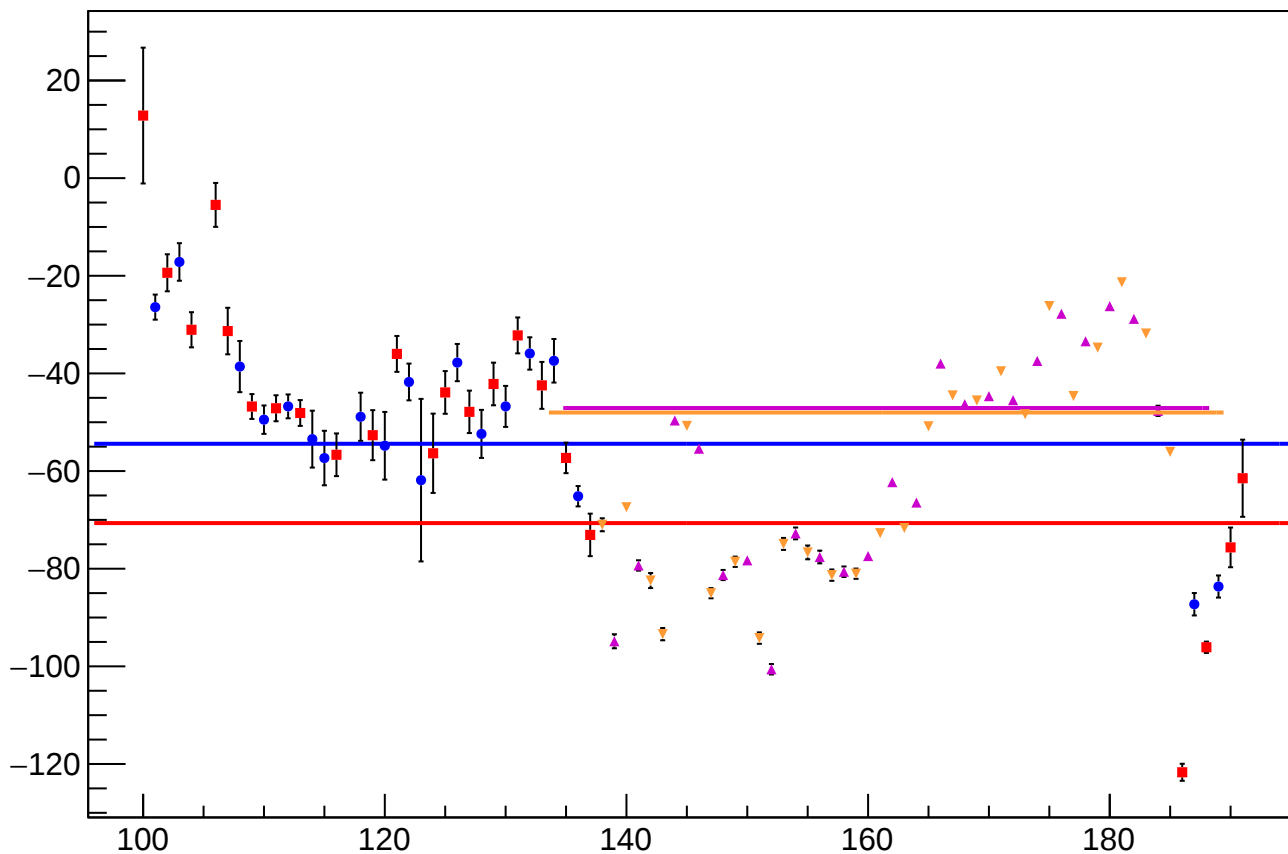
Left In: 0.660 ± 0.124 χ^2/NDF : 3337.8/22

+ sign 0.496 ± 0.120 χ^2/NDF : 4235.8/43

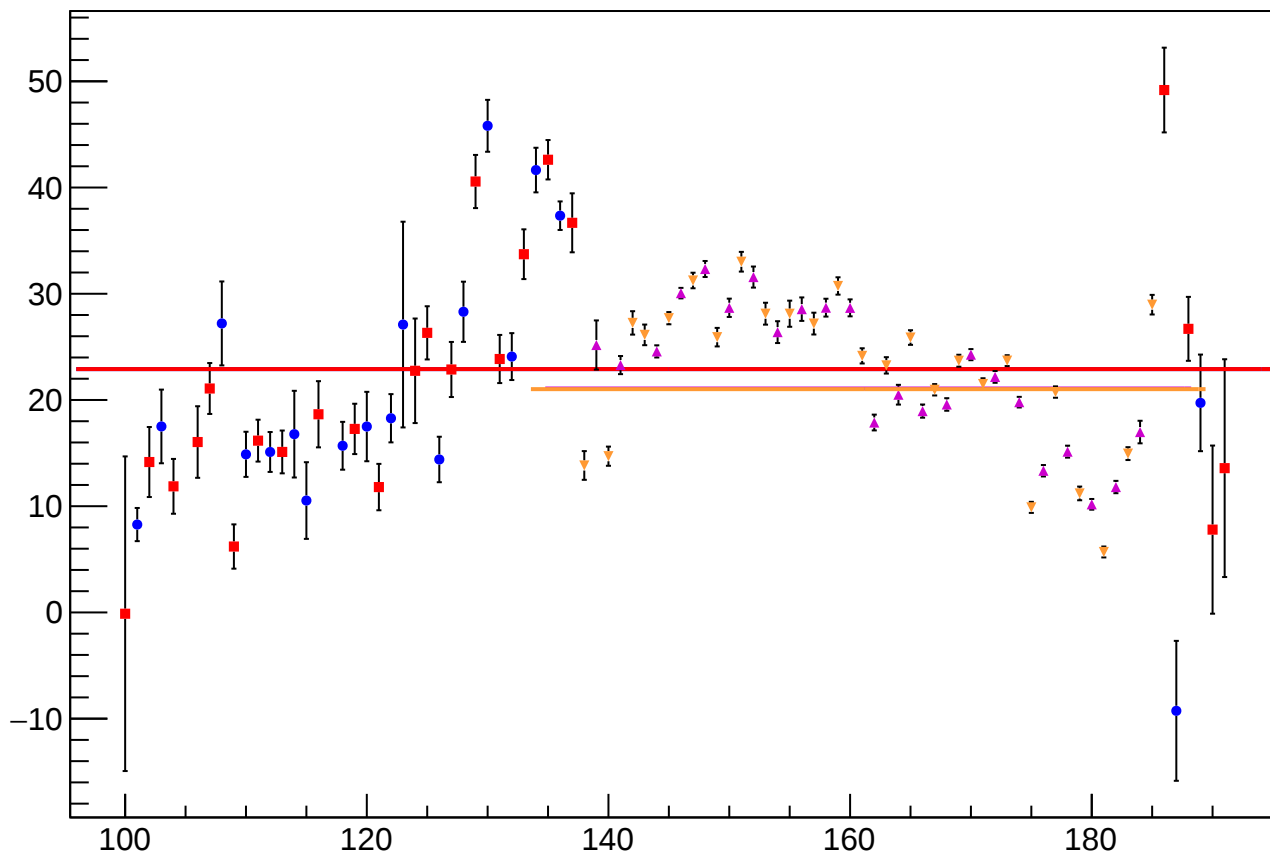
All: 0.425 ± 0.085 χ^2/NDF : 7828.3/89

- sign 0.354 ± 0.120 χ^2/NDF : 3591.8/45

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: 22.909 $\pm$ 0.556 χ^2 /NDF: 416.8/22

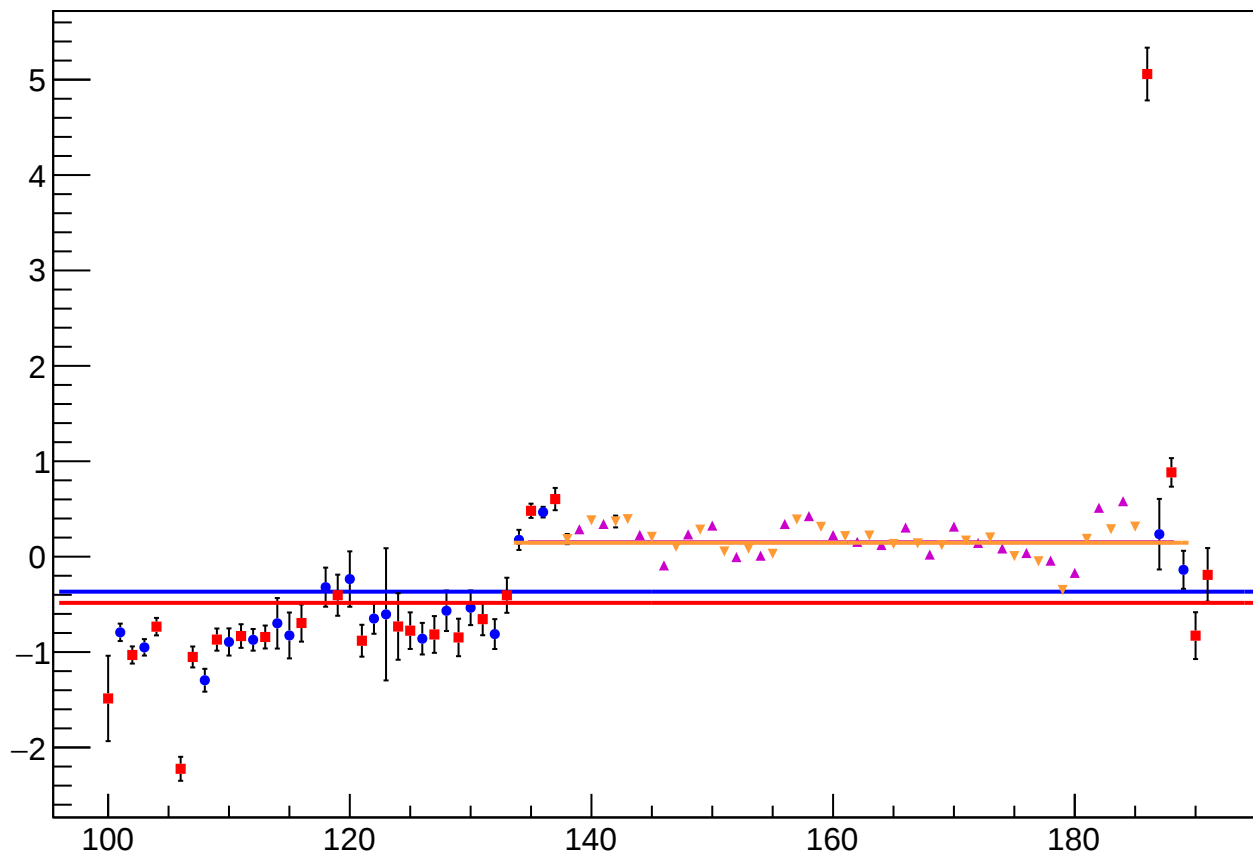
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

+ sign 21.131 $\pm$ 0.135 χ^2 /NDF: 3291.7/43

All: 21.159 $\pm$ 0.095 χ^2 /NDF: 5891.9/89

- sign 21.187 $\pm$ 0.135 χ^2 /NDF: 2600.2/45

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: -0.484 ± 0.029 χ^2/NDF : 1056.0/22

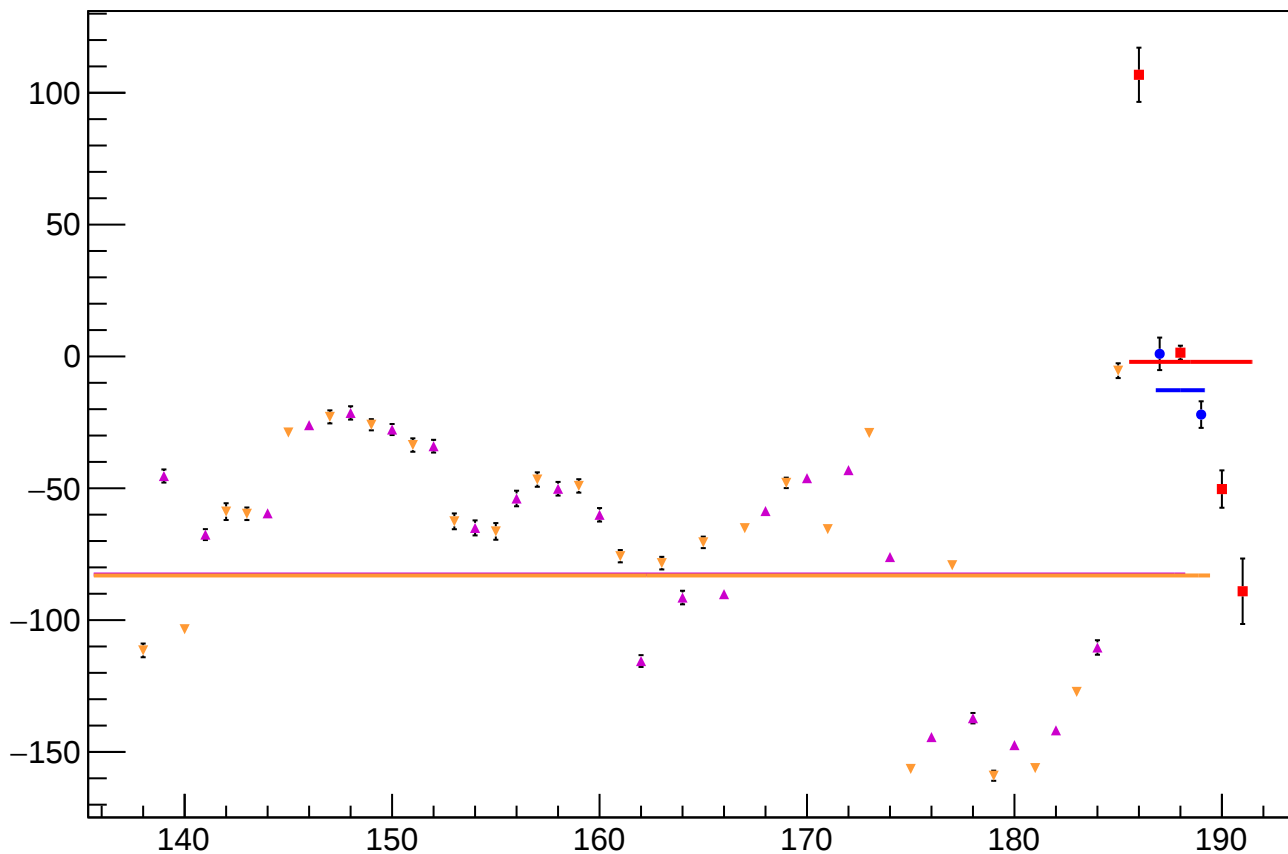
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.124 ± 0.006 χ^2/NDF : 1337.2/43

All: 0.123 ± 0.004 χ^2/NDF : 3717.4/89

- sign 0.122 ± 0.006 χ^2/NDF : 2380.1/45

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -12.810 ± 3.903 $\chi^2/\text{NDF}: 8.4/1$

Left Out: -83.068 ± 0.406 $\chi^2/\text{NDF}: 13817.3/24$

Right Out: -2.055 ± 2.371 $\chi^2/\text{NDF}: 209.3/3$

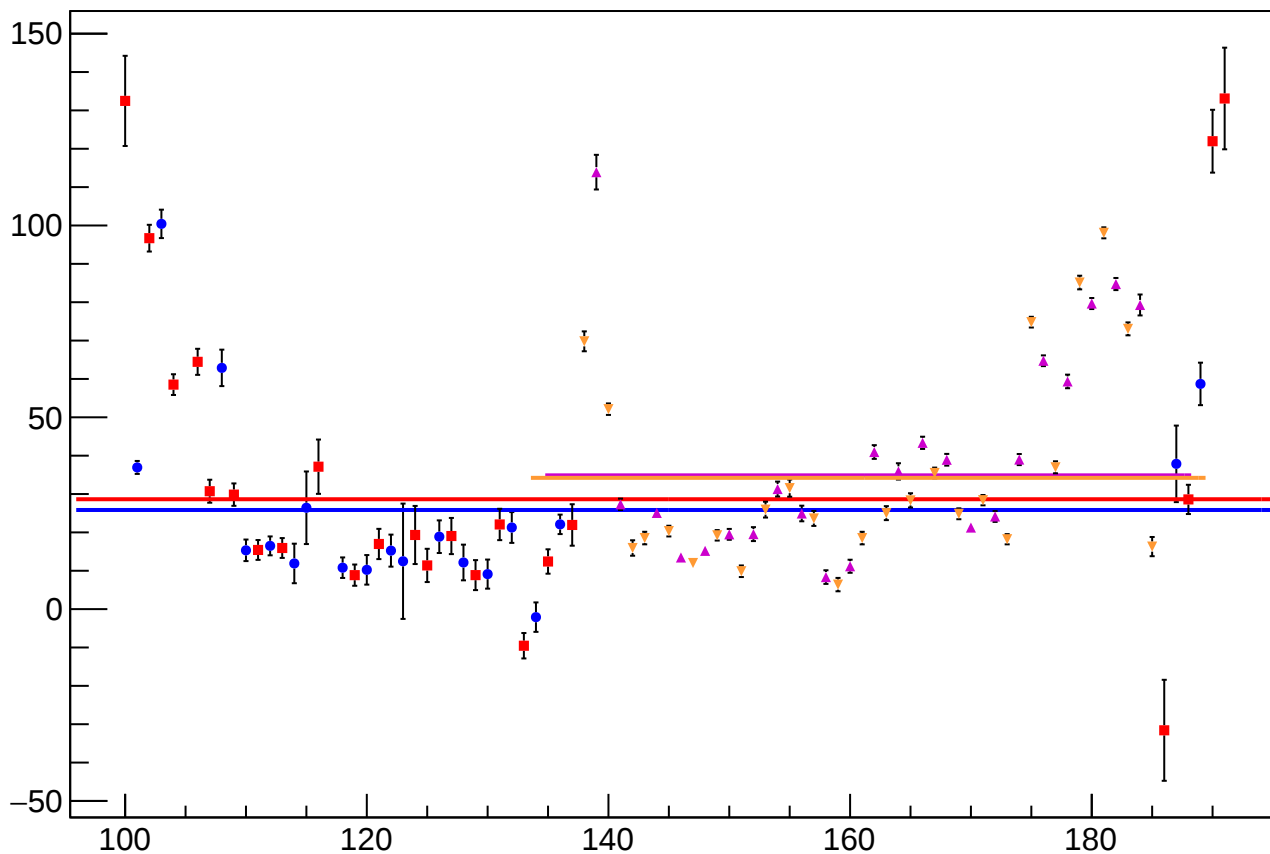
Left In: -82.711 ± 0.415 $\chi^2/\text{NDF}: 10841.4/22$

+ sign -82.315 ± 0.404 $\chi^2/\text{NDF}: 14146.3/26$

All: -81.325 ± 0.287 $\chi^2/\text{NDF}: 26332.2/53$

- sign -80.311 ± 0.409 $\chi^2/\text{NDF}: 12173.8/26$

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: 28.643 ± 0.787 $\chi^2/\text{NDF}: 1228.3/22$

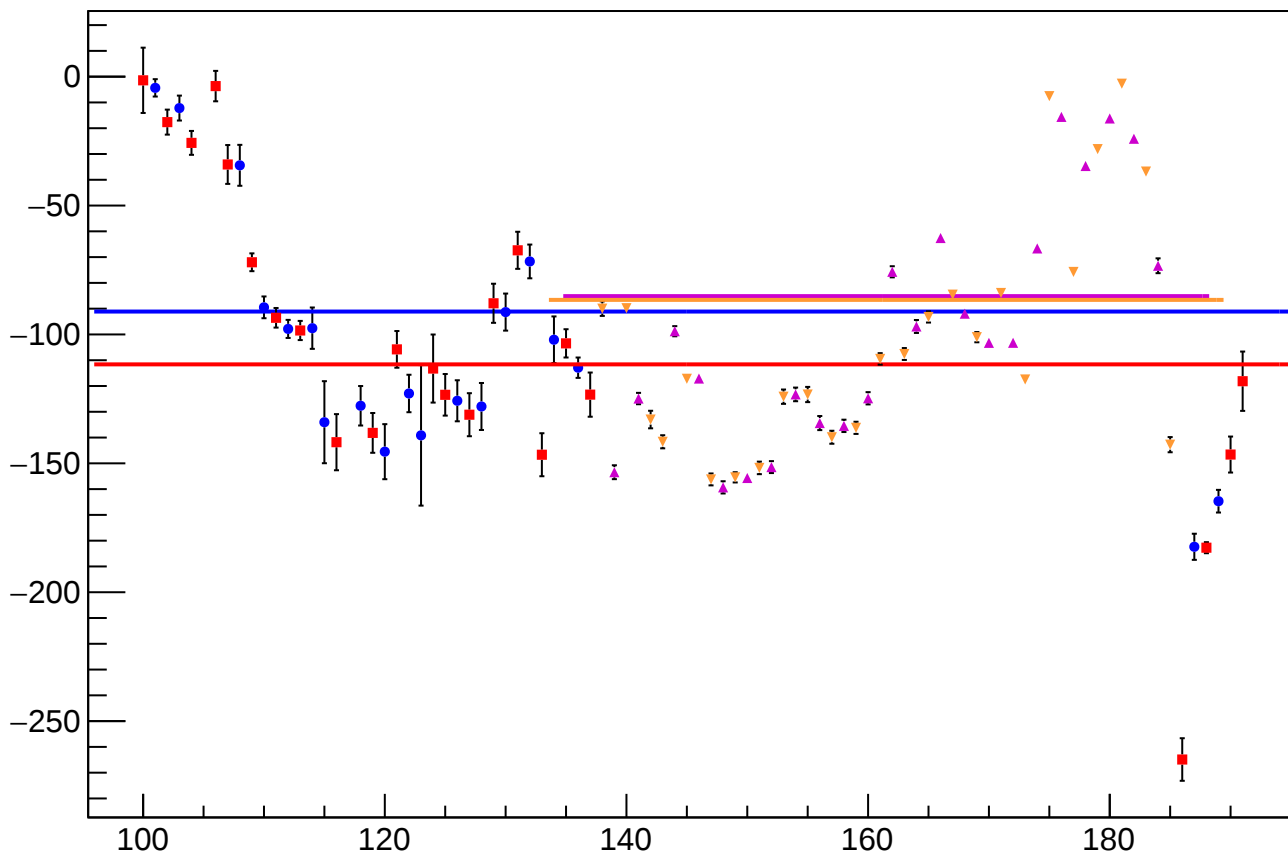
Left In: 34.870 ± 0.329 $\chi^2/\text{NDF}: 4716.1/22$

+ sign 33.053 ± 0.297 $\chi^2/\text{NDF}: 7011.9/43$

All: 33.488 ± 0.212 $\chi^2/\text{NDF}: 13014.0/89$

- sign 33.941 ± 0.304 $\chi^2/\text{NDF}: 5997.7/45$

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -91.118 $\pm$ 1.305 χ^2/NDF : 1744.1/18

Left Out: -86.595 $\pm$ 0.408 χ^2/NDF : 14515.7/24

Right Out: -111.609 $\pm$ 1.114 χ^2/NDF : 2968.9/22

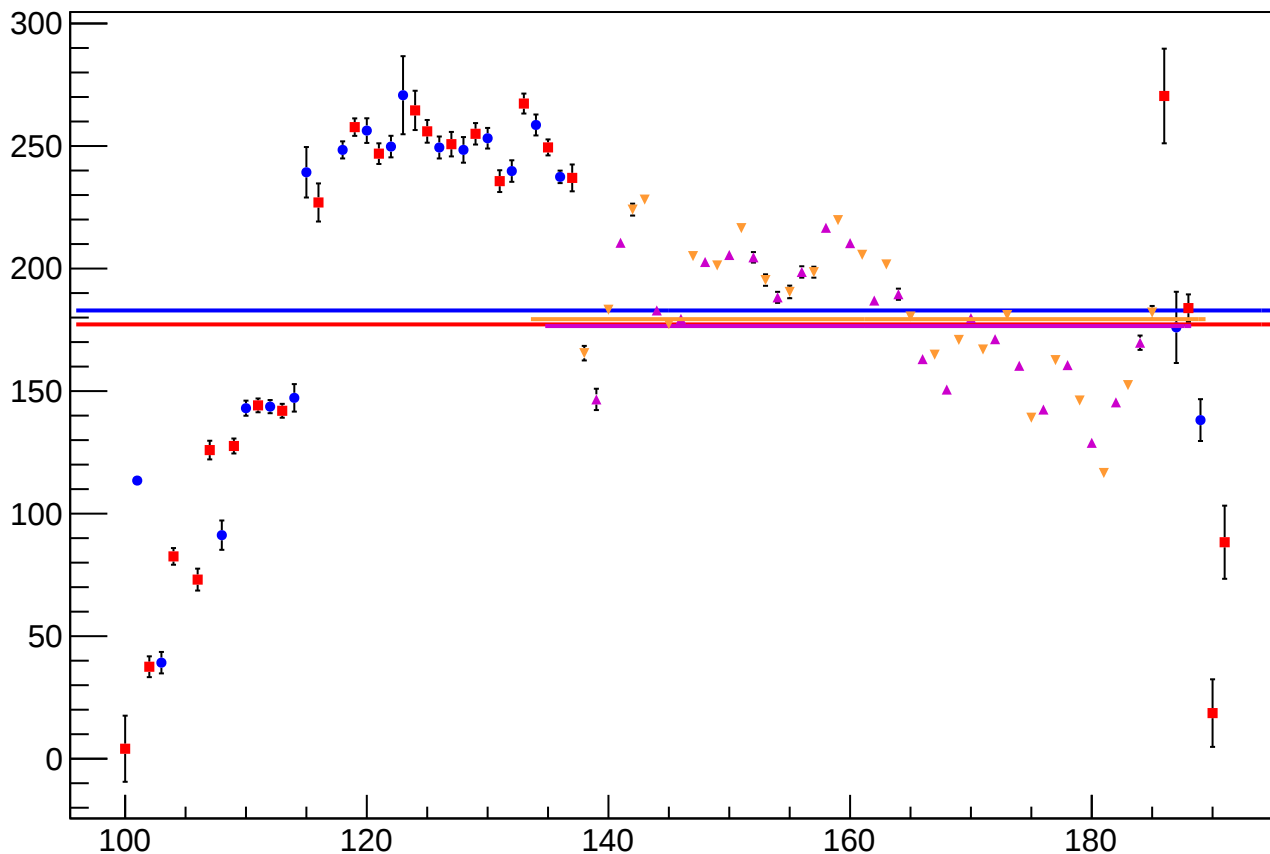
Left In: -85.134 $\pm$ 0.415 χ^2/NDF : 12841.3/22

+ sign -86.999 $\pm$ 0.390 χ^2/NDF : 16270.7/43

All: -87.681 $\pm$ 0.275 χ^2/NDF : 32582.9/89

- sign -88.360 $\pm$ 0.389 χ^2/NDF : 16306.1/45

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 182.901 $\pm$ 0.913 χ^2 /NDF: 5346.3/18

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 177.209 $\pm$ 0.908 χ^2 /NDF: 6529.6/22

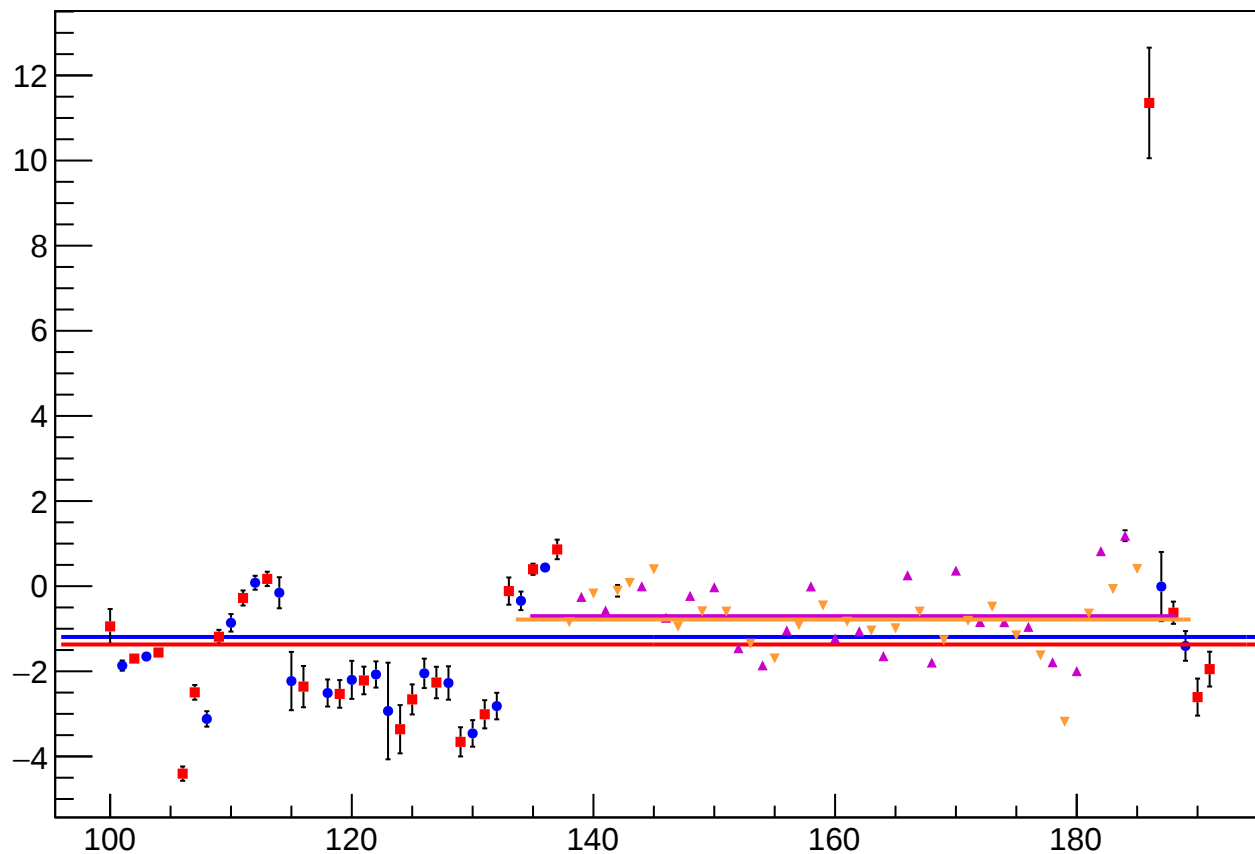
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 179.840 $\pm$ 0.336 χ^2 /NDF: 11341.5/43

All: 178.267 $\pm$ 0.240 χ^2 /NDF: 22342.2/89

- sign 176.628 $\pm$ 0.343 χ^2 /NDF: 10956.0/45

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: -1.370 ± 0.045 χ^2/NDF : 1033.8/22

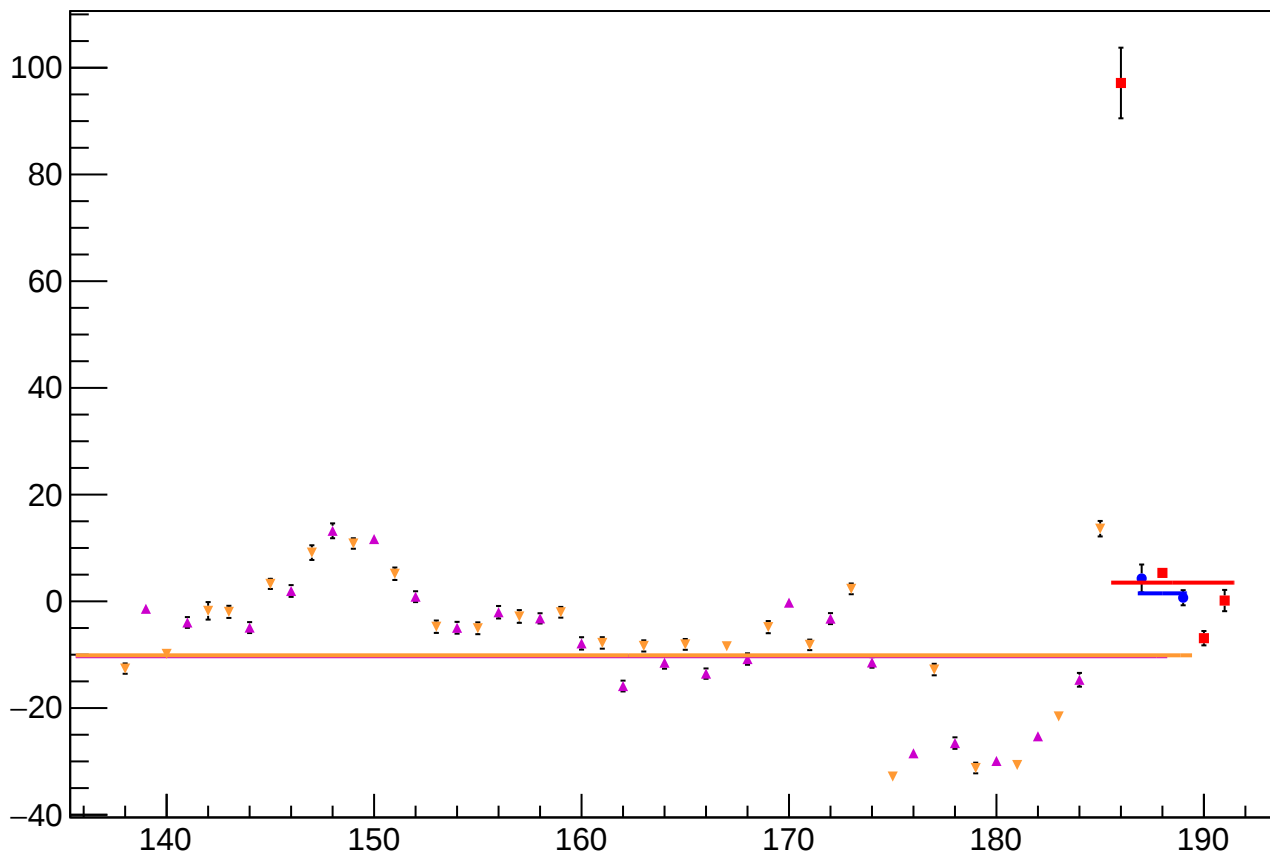
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.828 ± 0.016 χ^2/NDF : 2460.4/43

All: -0.808 ± 0.011 χ^2/NDF : 6099.2/89

- sign -0.788 ± 0.016 χ^2/NDF : 3635.6/45

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 1.496 ± 1.246 $\chi^2/\text{NDF}: 1.5/1$

Left Out: -10.117 ± 0.201 $\chi^2/\text{NDF}: 4138.1/24$

Right Out: 3.505 ± 0.553 $\chi^2/\text{NDF}: 270.9/3$

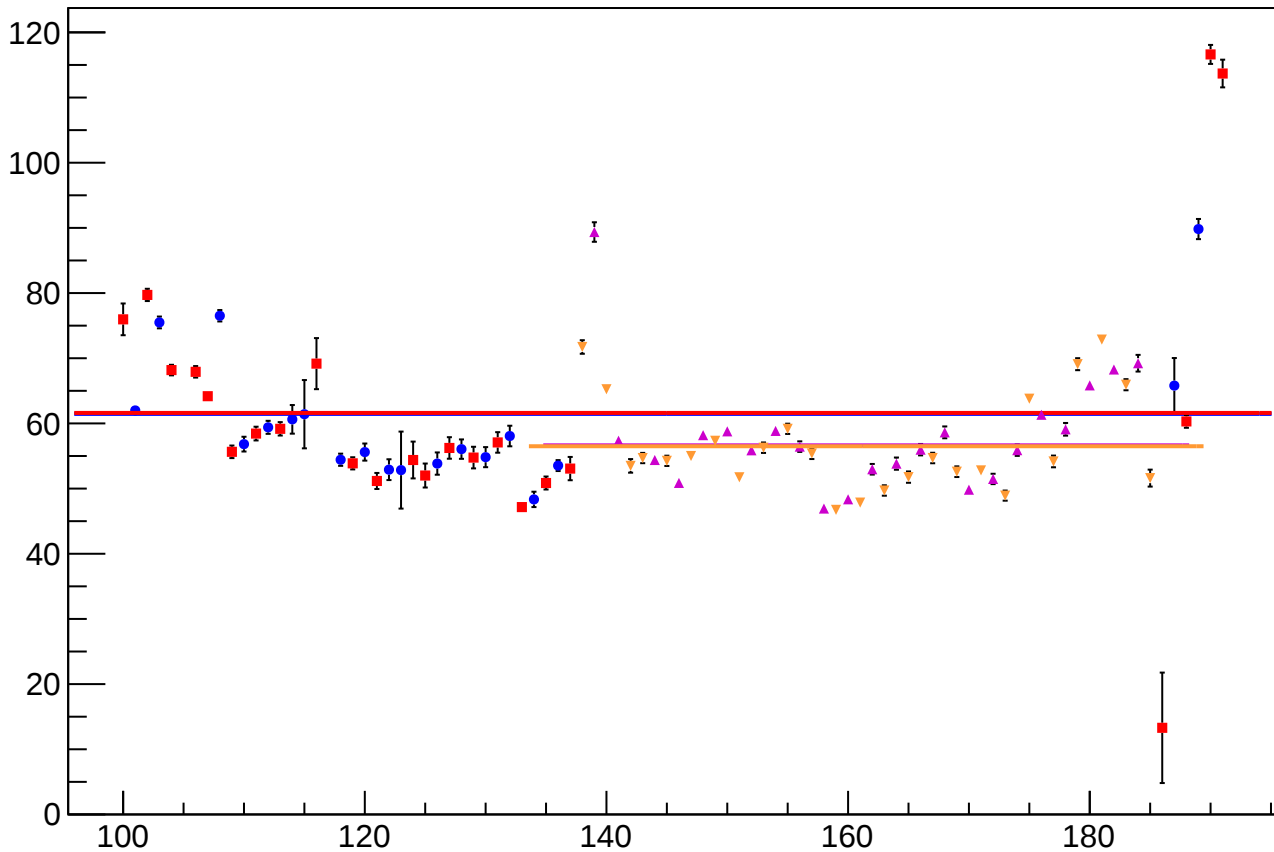
Left In: -10.290 ± 0.205 $\chi^2/\text{NDF}: 3451.0/22$

+ sign -9.822 ± 0.199 $\chi^2/\text{NDF}: 4224.2/26$

All: -9.201 ± 0.138 $\chi^2/\text{NDF}: 8511.7/53$

- sign -8.618 ± 0.193 $\chi^2/\text{NDF}: 4268.5/26$

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 61.463+/-0.259 χ^2/NDF : 1271.3/18

Left Out: 56.496+/-0.159 χ^2/NDF : 1968.0/24

Right Out: 61.609+/-0.236 χ^2/NDF : 3461.9/22

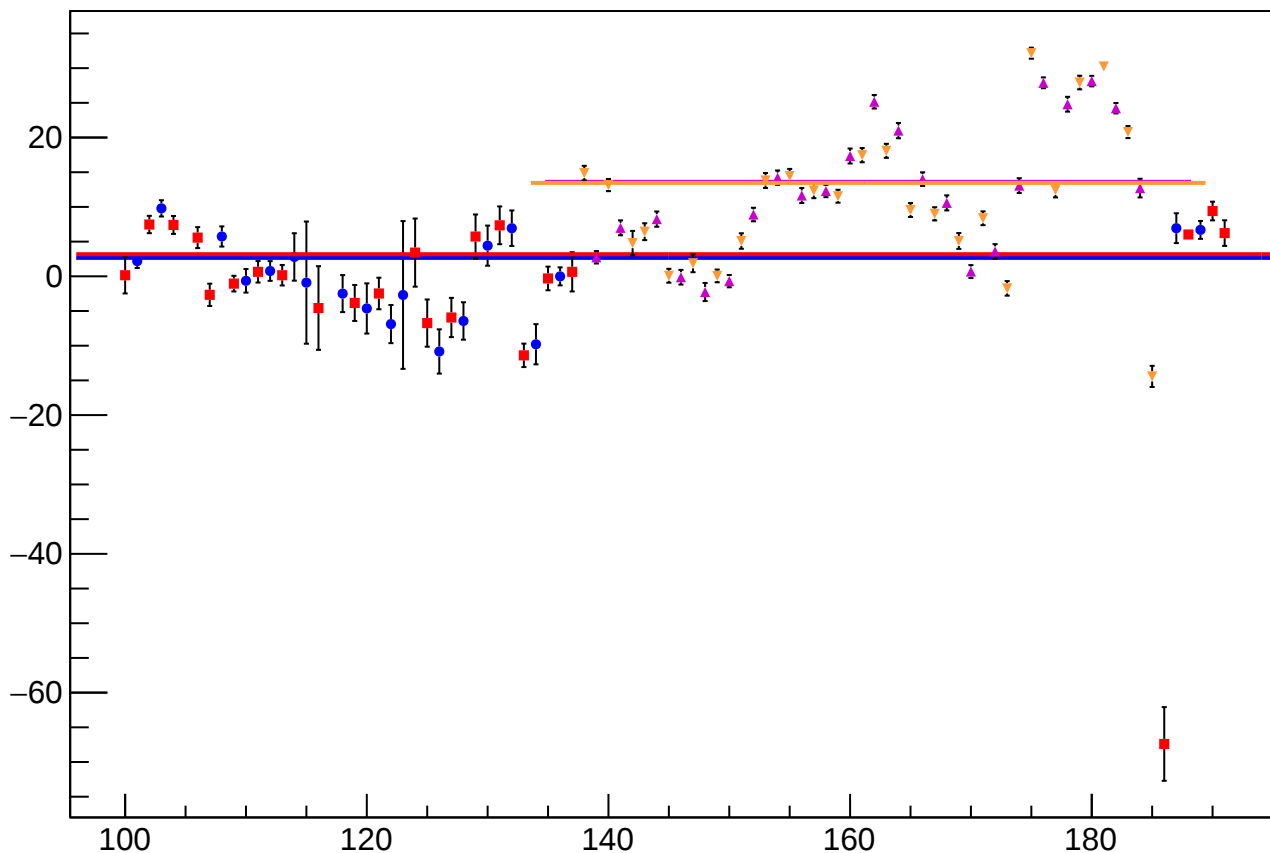
Left In: 56.635+/-0.165 χ^2/NDF : 1607.9/22

+ sign 57.853+/-0.135 χ^2/NDF : 3506.3/43

All: 58.064+/-0.096 χ^2/NDF : 8879.9/89

- sign 58.274+/-0.135 χ^2/NDF : 5368.8/45

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: 3.186 ± 0.314 χ^2/NDF : 407.6/22

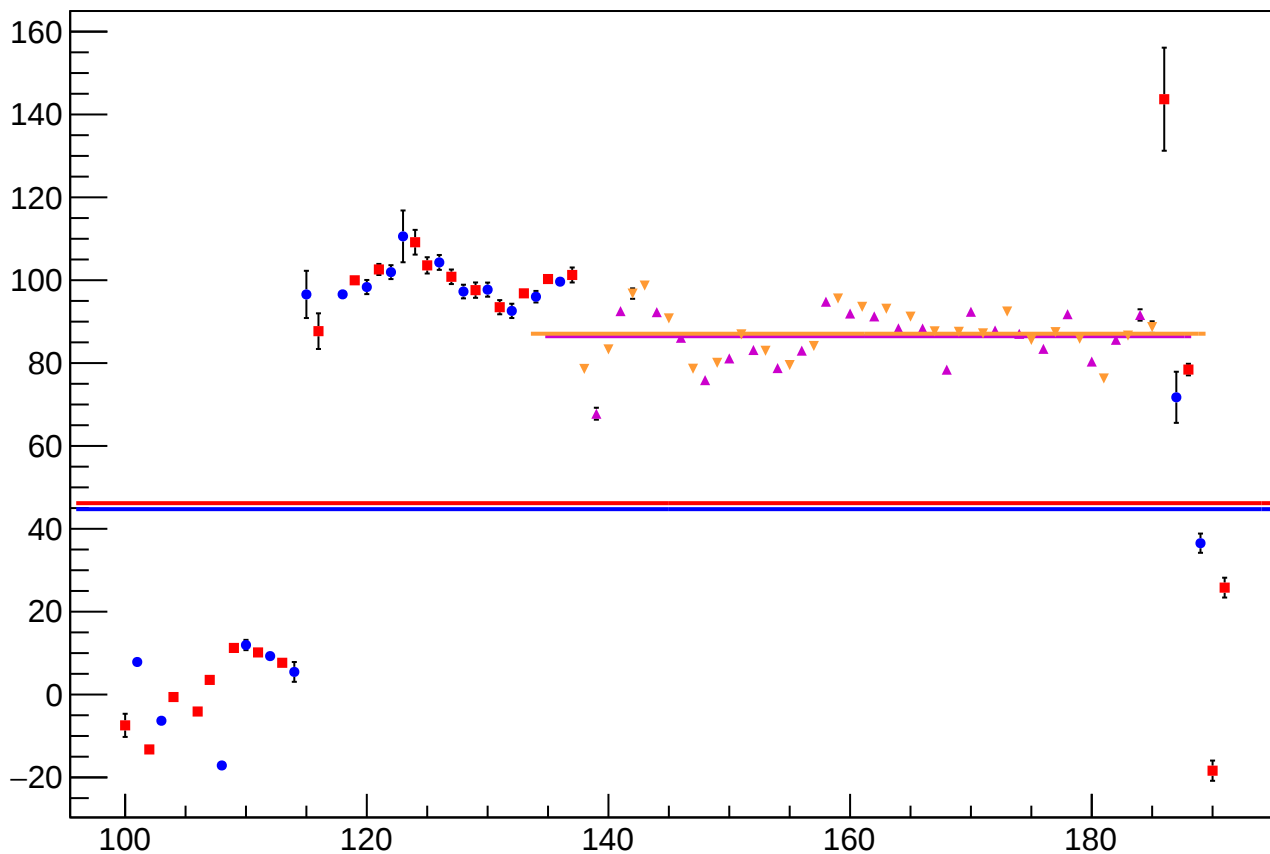
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.474 ± 0.182 χ^2/NDF : 3401.5/43

All: 10.967 ± 0.125 χ^2/NDF : 6913.6/89

- sign 10.517 ± 0.171 χ^2/NDF : 3497.4/45

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: 46.187 $\pm$ 0.280 χ^2 /NDF: 29582.2/22

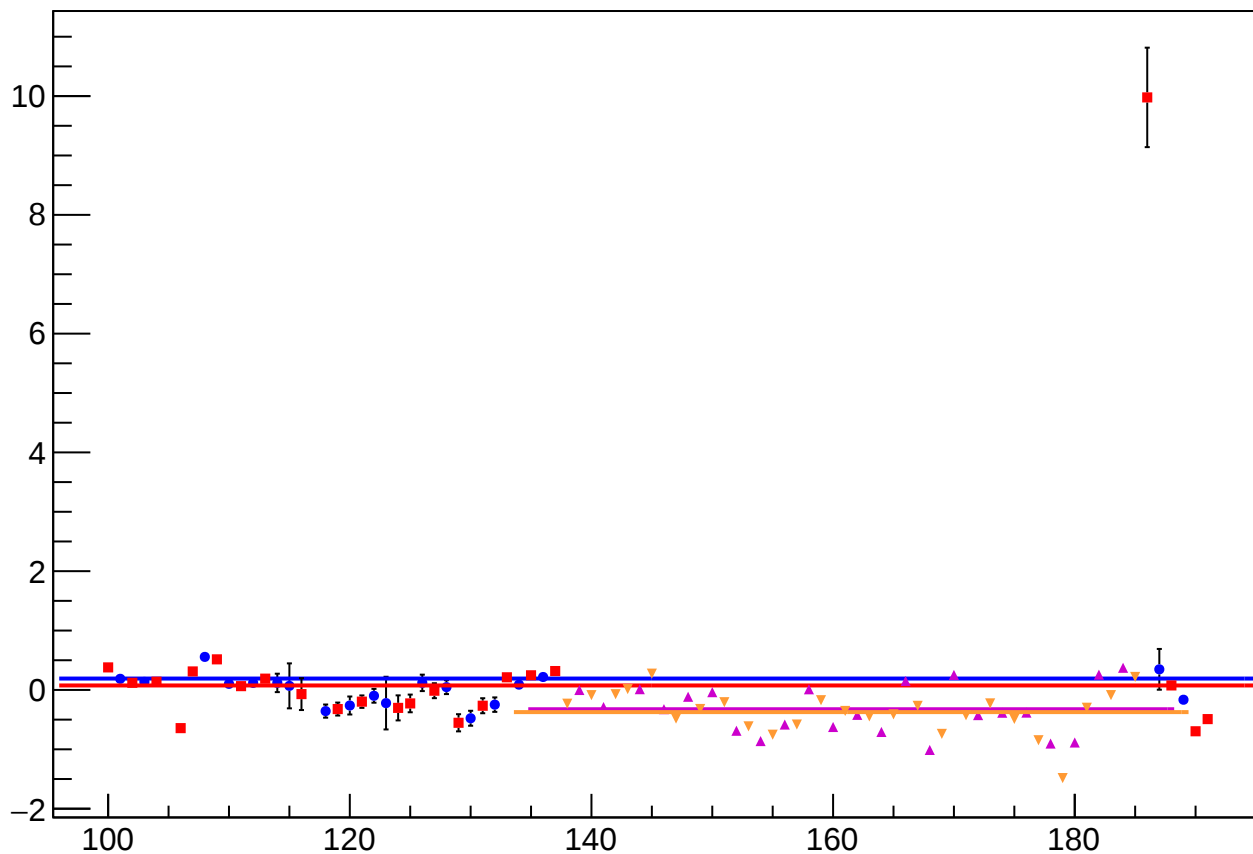
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 76.073 $\pm$ 0.154 χ^2 /NDF: 40359.9/43

All: 75.167 $\pm$ 0.109 χ^2 /NDF: 85464.8/89

- sign 74.260 $\pm$ 0.154 χ^2 /NDF: 45035.6/45

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: 0.075 ± 0.012 χ^2/NDF : 823.7/22

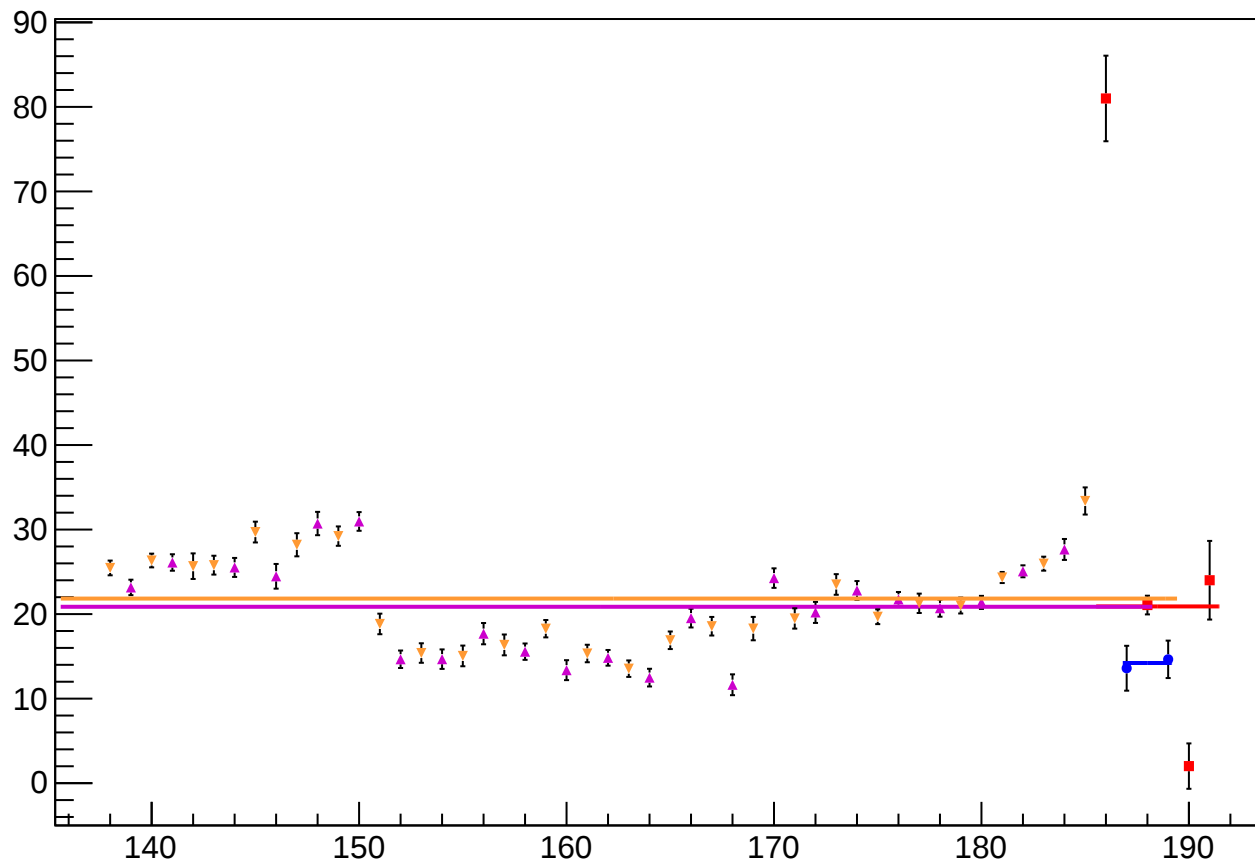
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.228 ± 0.007 χ^2/NDF : 3143.7/43

All: -0.215 ± 0.005 χ^2/NDF : 6988.5/89

- sign -0.202 ± 0.007 χ^2/NDF : 3837.6/45

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: 20.907 $\pm$ 0.981 χ^2 /NDF: 190.9/3

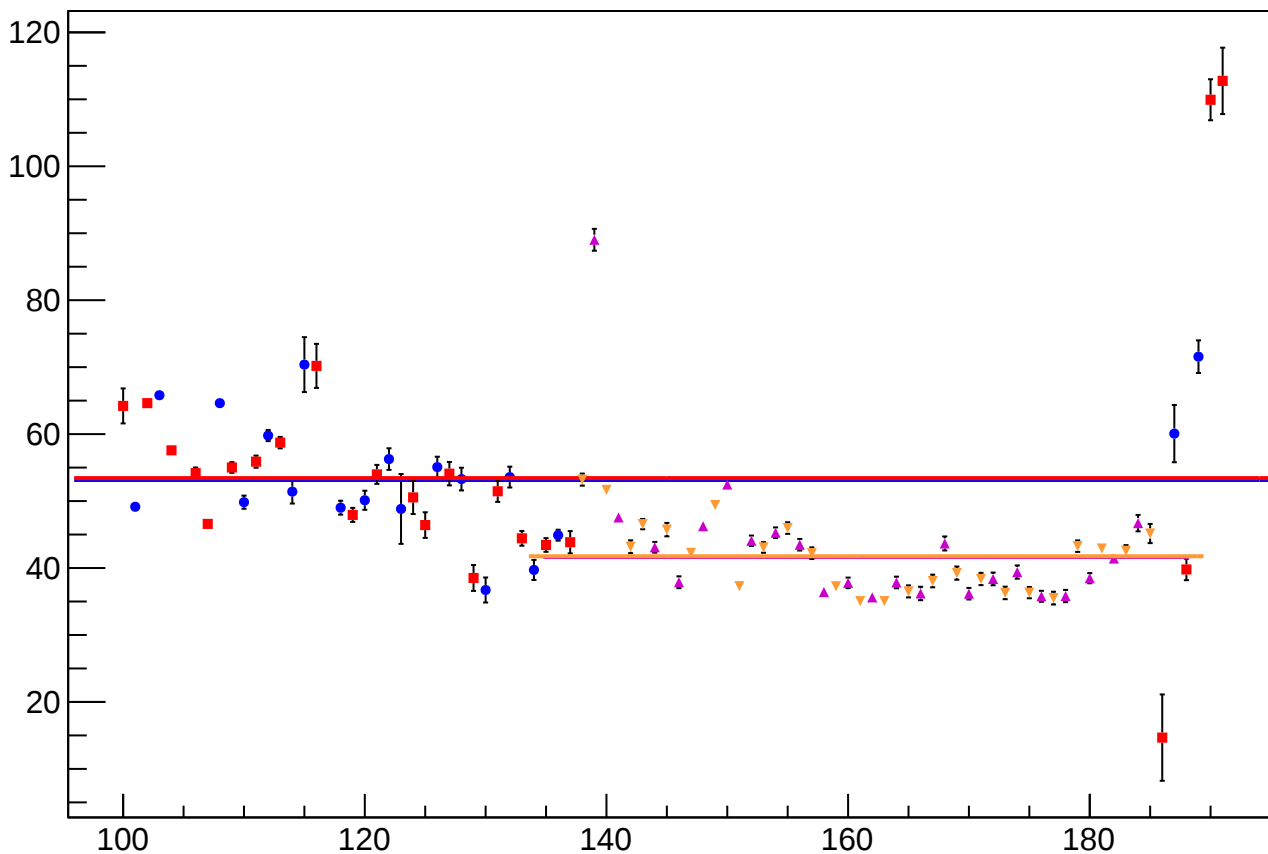
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 21.722 $\pm$ 0.208 χ^2 /NDF: 544.2/26

All: 21.301 $\pm$ 0.148 χ^2 /NDF: 1320.3/53

- sign 20.867 $\pm$ 0.212 χ^2 /NDF: 767.8/26

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 53.149 ± 0.210 χ^2/NDF : 1258.1/18

Left Out: 41.757 ± 0.165 χ^2/NDF : 1015.7/24

Right Out: 53.430 ± 0.224 χ^2/NDF : 1468.9/22

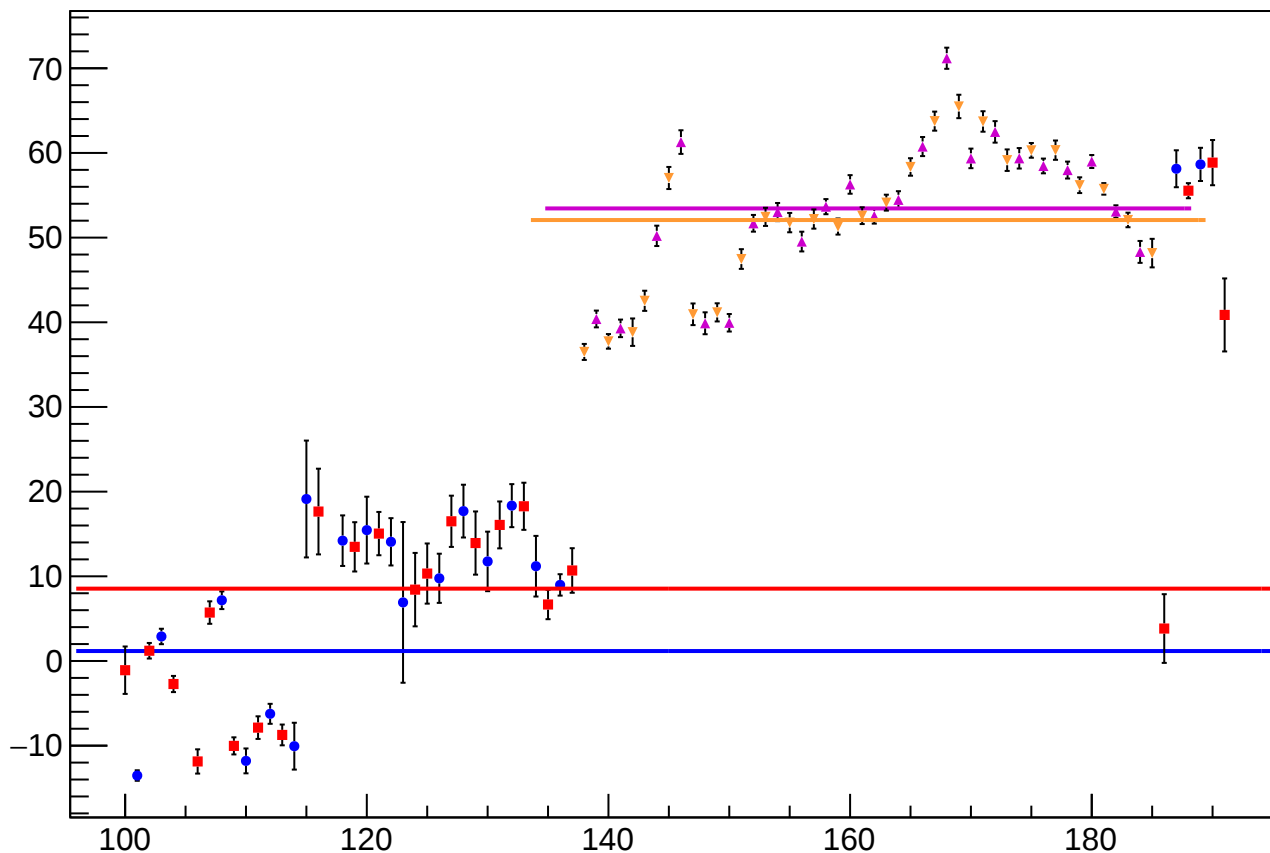
Left In: 41.643 ± 0.174 χ^2/NDF : 1611.0/22

+ sign 46.117 ± 0.130 χ^2/NDF : 4090.2/43

All: 46.100 ± 0.094 χ^2/NDF : 8902.4/89

- sign 46.081 ± 0.137 χ^2/NDF : 4812.2/45

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: 8.544 ± 0.342 χ^2/NDF : 4336.3/22

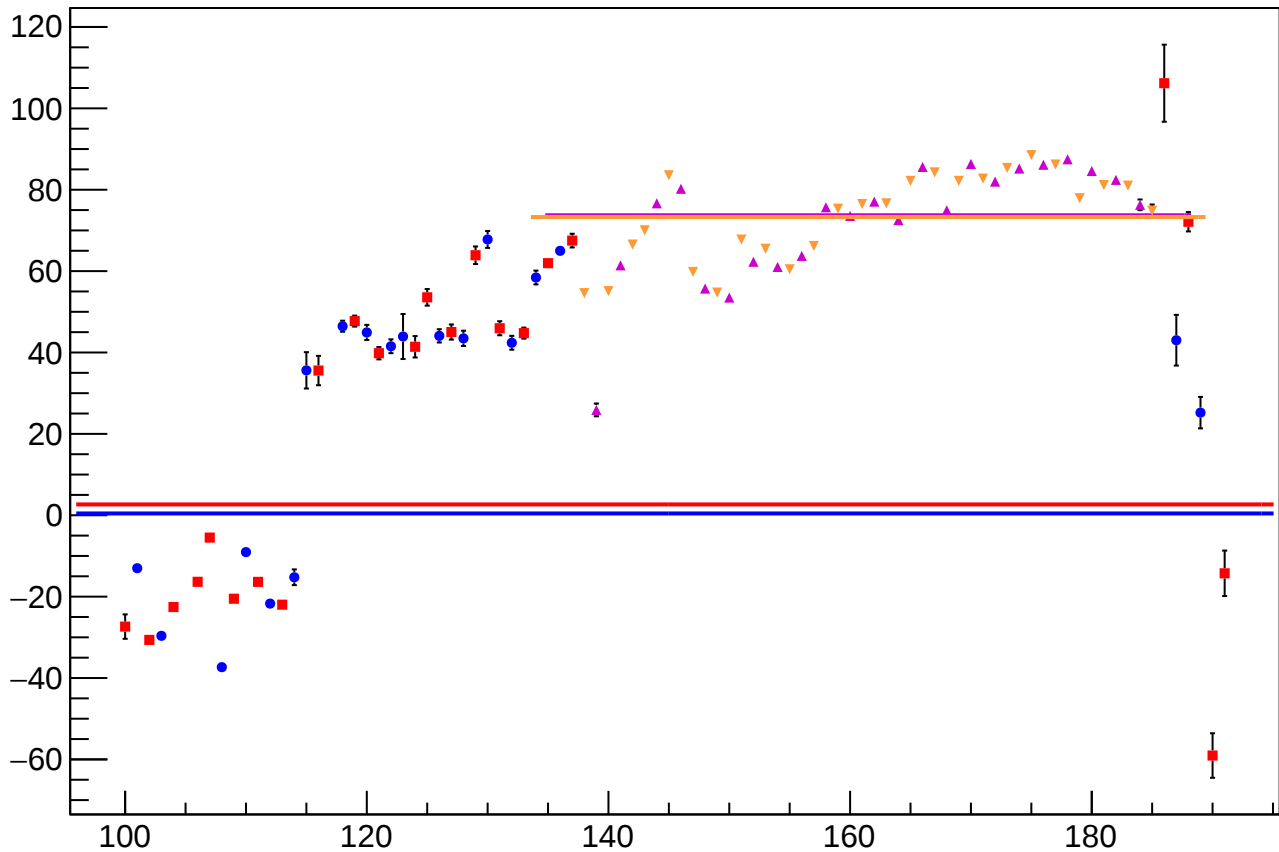
Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

+ sign 38.811 ± 0.181 χ^2/NDF : 19230.2/43

All: 39.753 ± 0.128 χ^2/NDF : 37121.0/89

- sign 40.712 ± 0.182 χ^2/NDF : 17836.0/45

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: 2.665 ± 0.264 χ^2/NDF : 16527.1/22

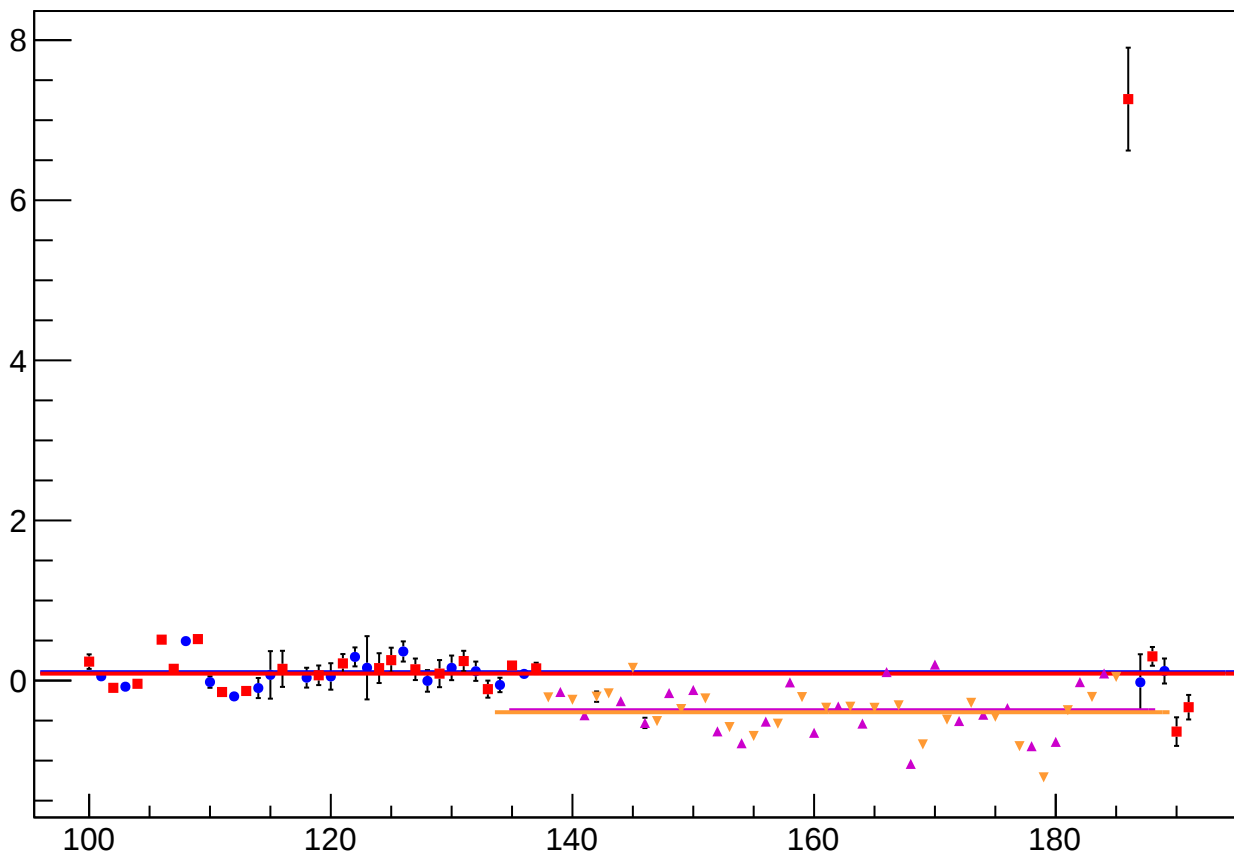
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.765 ± 0.149 χ^2/NDF : 76781.8/43

All: 47.735 ± 0.108 χ^2/NDF : 144074.2/89

- sign 48.806 ± 0.157 χ^2/NDF : 67203.2/45

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 401.0/18

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.087 ± 0.011 χ^2/NDF : 542.8/22

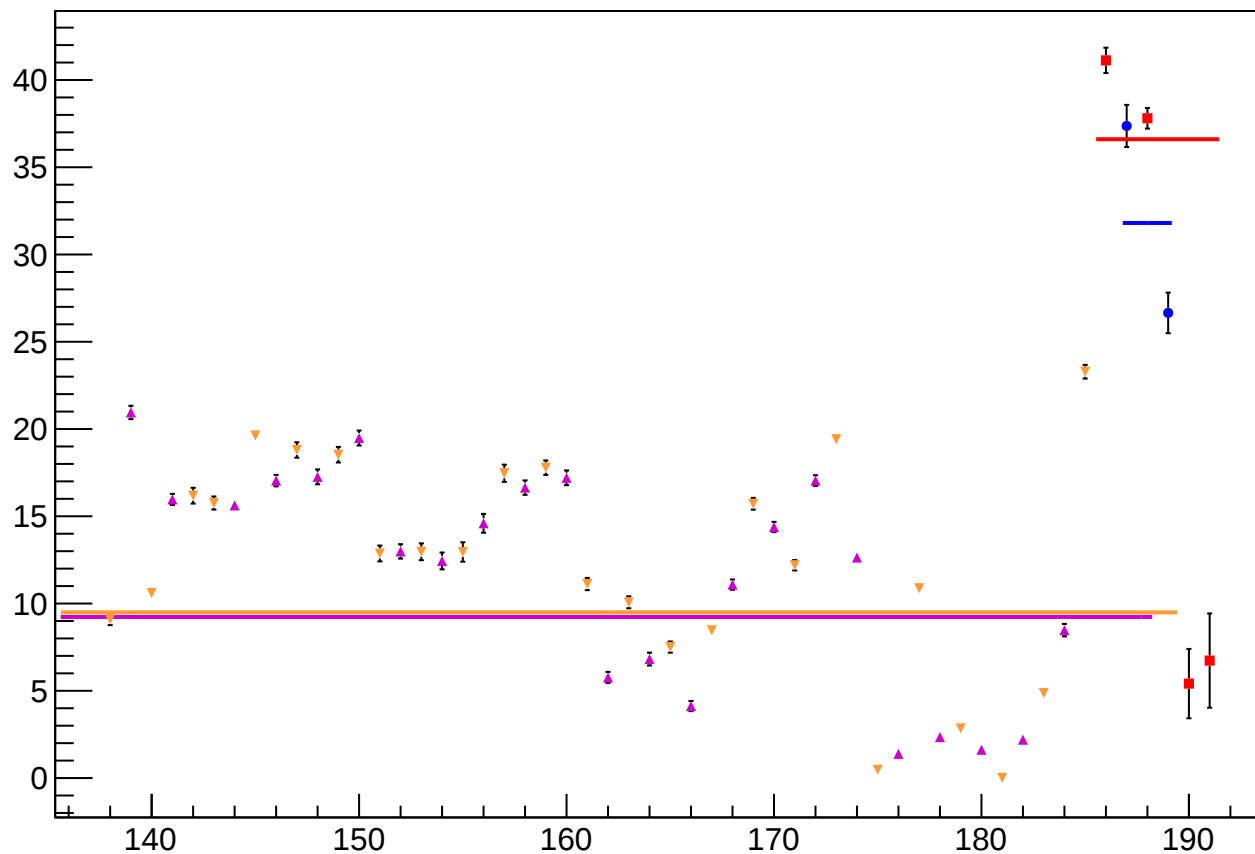
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.208 ± 0.007 χ^2/NDF : 2639.8/43

All: -0.200 ± 0.005 χ^2/NDF : 5571.8/89

- sign -0.193 ± 0.007 χ^2/NDF : 2929.7/45

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: 36.606 $\pm$ 0.441 χ^2 /NDF: 411.6/3

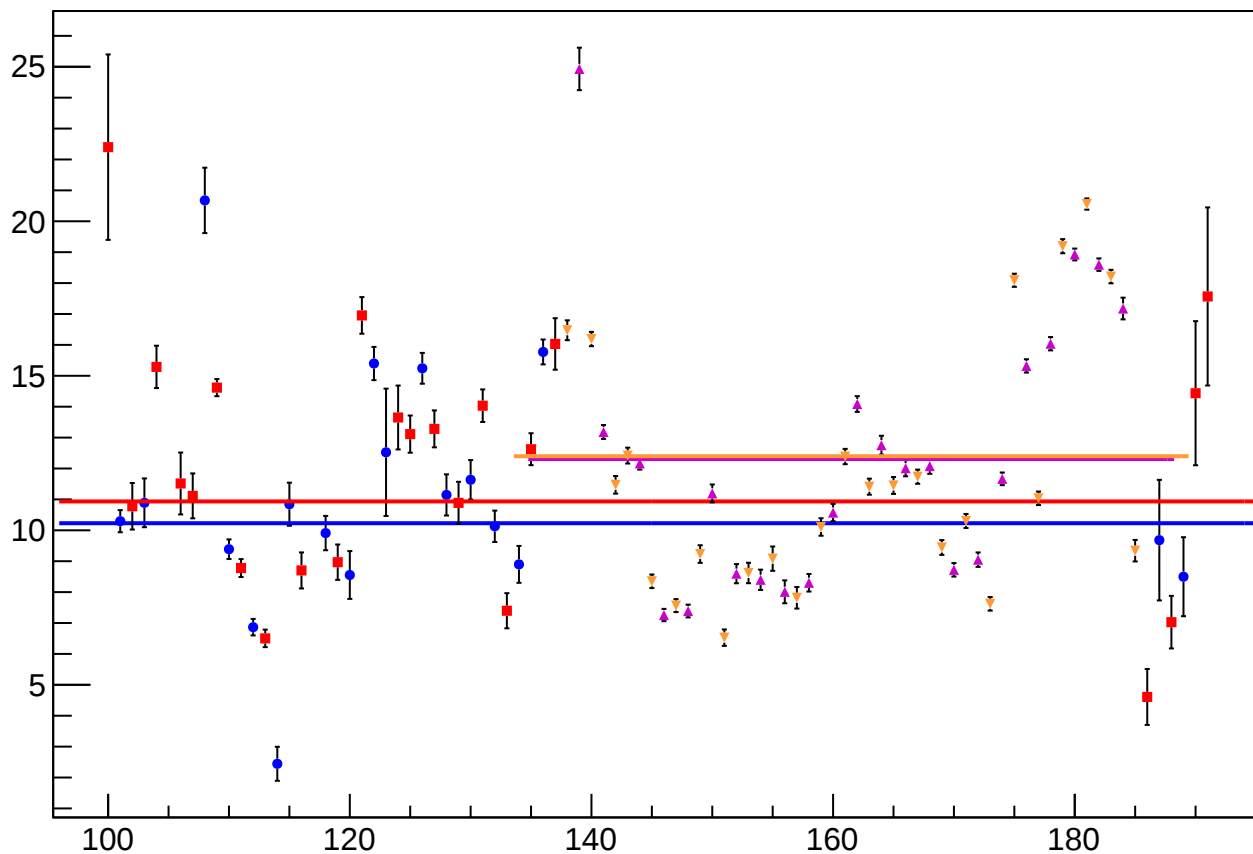
Left In: 9.231 $\pm$ 0.063 χ^2 /NDF:10736.2/22

+ sign 9.613 $\pm$ 0.061 χ^2 /NDF: 13355.2/26

All: 9.695 $\pm$ 0.044 χ^2 /NDF: 28286.6/53

- sign 9.780 $\pm$ 0.062 χ^2 /NDF: 14927.7/26

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: 10.934 ± 0.114 χ^2/NDF : 896.0/22

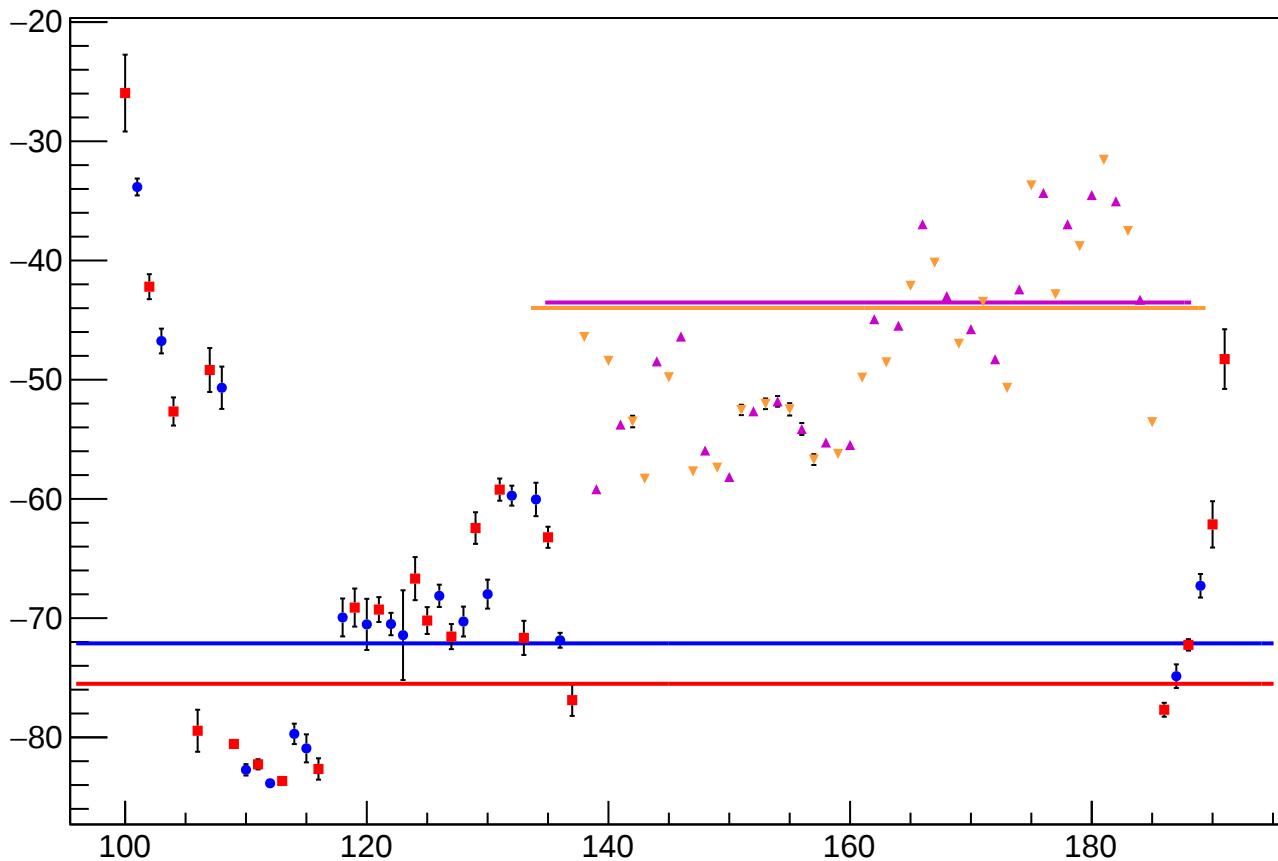
Left In: 12.307 ± 0.051 χ^2/NDF : 5601.8/22

+ sign 12.075 ± 0.046 χ^2/NDF : 8693.8/43

All: 12.076 ± 0.033 χ^2/NDF : 15311.8/89

- sign 12.077 ± 0.047 χ^2/NDF : 6617.9/45

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: -75.506 ± 0.162 χ^2/NDF : 3693.8/22

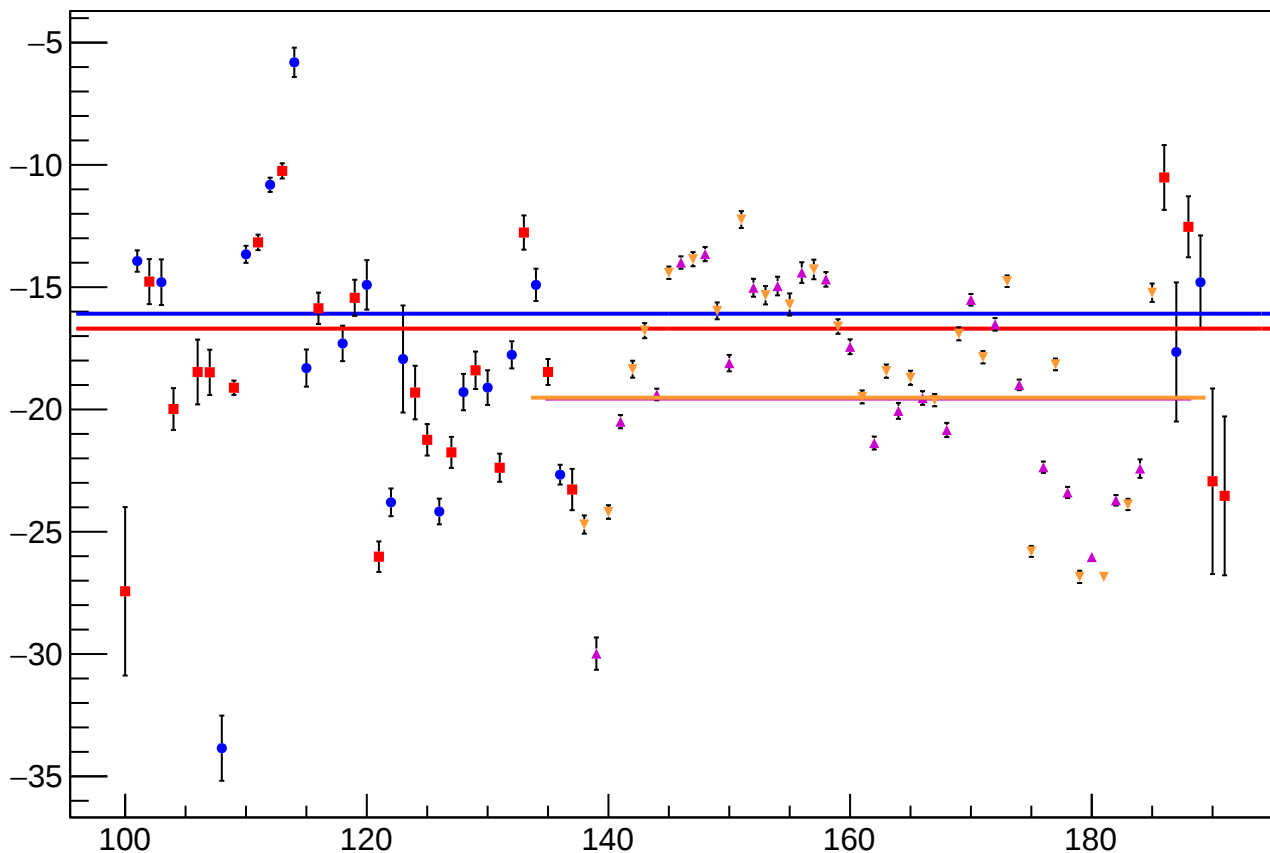
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -46.660 ± 0.059 χ^2/NDF : 42976.3/43

All: -47.216 ± 0.042 χ^2/NDF : 96008.0/89

- sign -47.772 ± 0.059 χ^2/NDF : 52853.8/45

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: -16.695 ± 0.127 χ^2/NDF : 1251.7/22

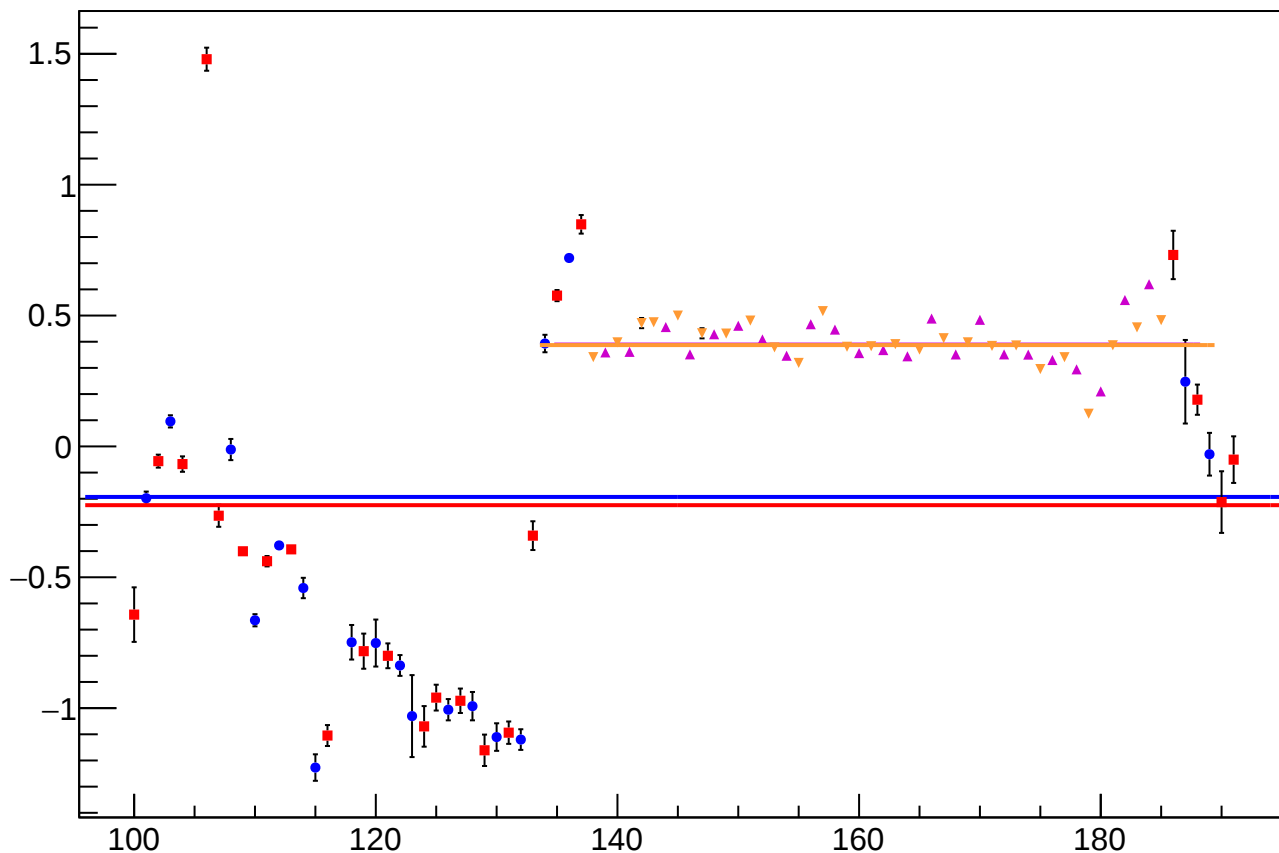
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.000 ± 0.051 χ^2/NDF : 8711.0/43

All: -19.034 ± 0.037 χ^2/NDF : 14696.5/89

- sign -19.070 ± 0.052 χ^2/NDF : 5984.6/45

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: -0.225 ± 0.007 χ^2/NDF : 6339.6/22

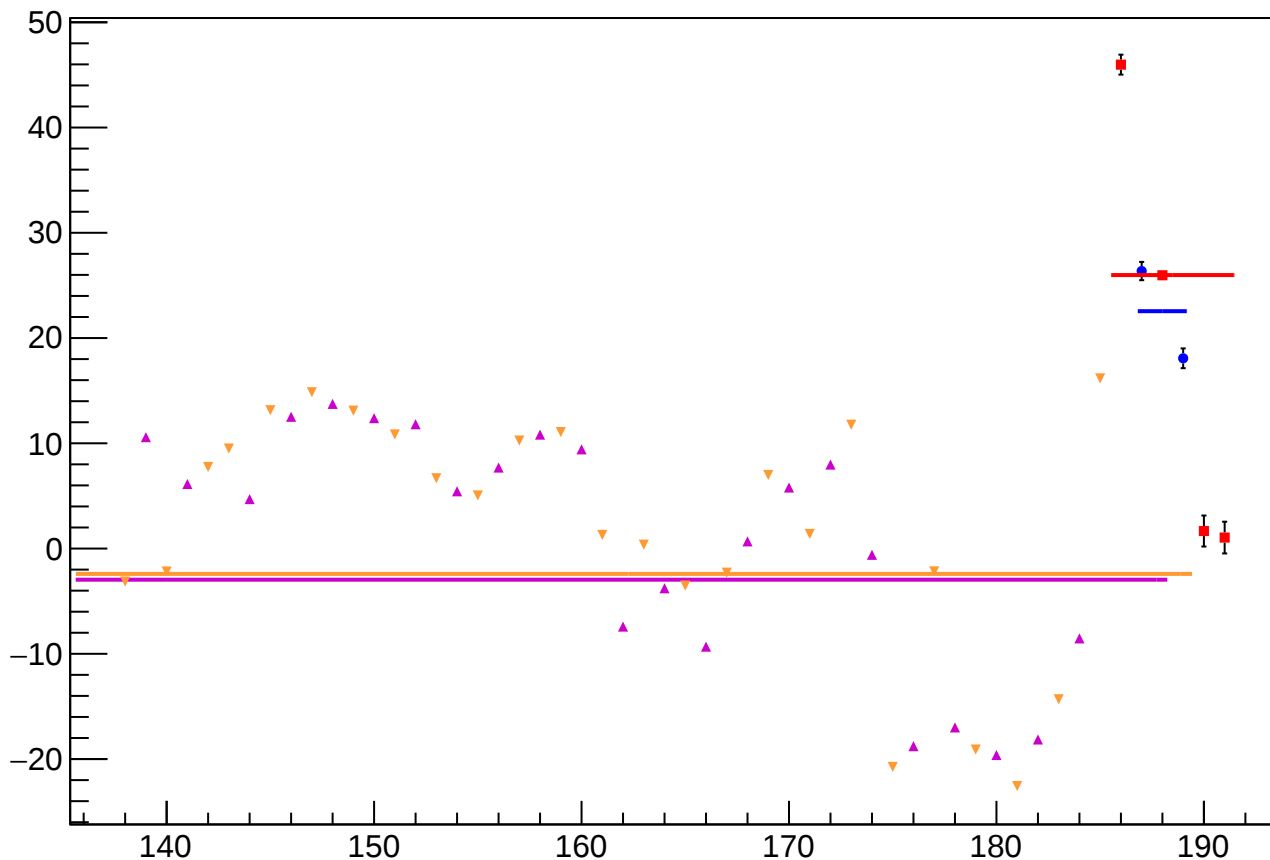
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.327 ± 0.002 χ^2/NDF : 12662.0/43

All: 0.321 ± 0.002 χ^2/NDF : 26890.2/89

- sign 0.315 ± 0.002 χ^2/NDF : 14216.6/45

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.552 ± 0.638 $\chi^2/\text{NDF}: 42.0/1$

Left Out: -2.407 ± 0.053 $\chi^2/\text{NDF}: 56368.5/24$

Right Out: 25.983 ± 0.366 $\chi^2/\text{NDF}: 991.2/3$

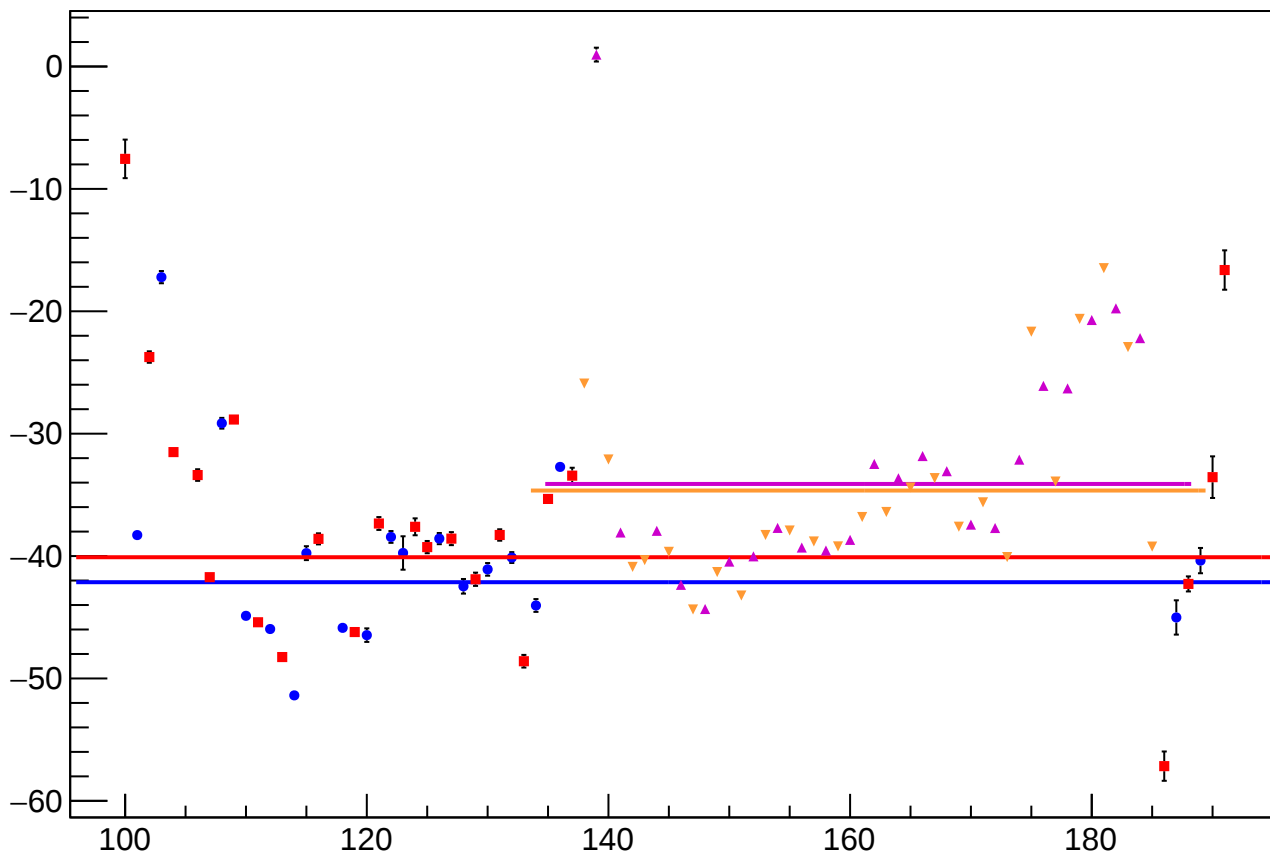
Left In: -2.959 ± 0.055 $\chi^2/\text{NDF}: 45922.6/22$

+ sign -2.237 ± 0.053 $\chi^2/\text{NDF}: 57931.8/26$

All: -2.278 ± 0.038 $\chi^2/\text{NDF}: 110975.4/53$

- sign -2.322 ± 0.054 $\chi^2/\text{NDF}: 53042.4/26$

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: -40.095 ± 0.072 $\chi^2/\text{NDF}: 11763.8/22$

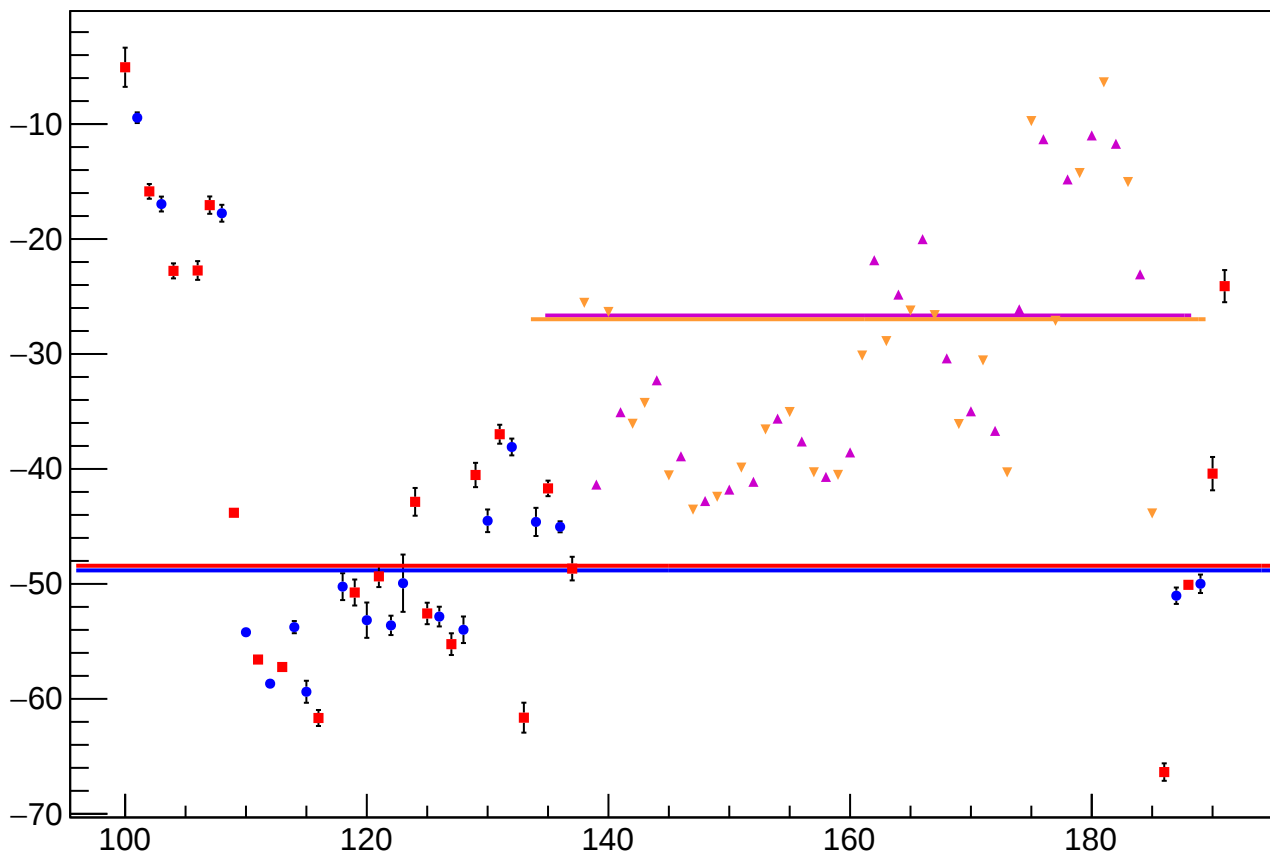
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.321 ± 0.037 $\chi^2/\text{NDF}: 48423.4/43$

All: -36.033 ± 0.026 $\chi^2/\text{NDF}: 94398.2/89$

- sign -35.733 ± 0.038 $\chi^2/\text{NDF}: 45849.5/45$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.825 ± 0.122 $\chi^2/\text{NDF}: 14671.7/18$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -48.420 ± 0.101 $\chi^2/\text{NDF}: 12657.5/22$

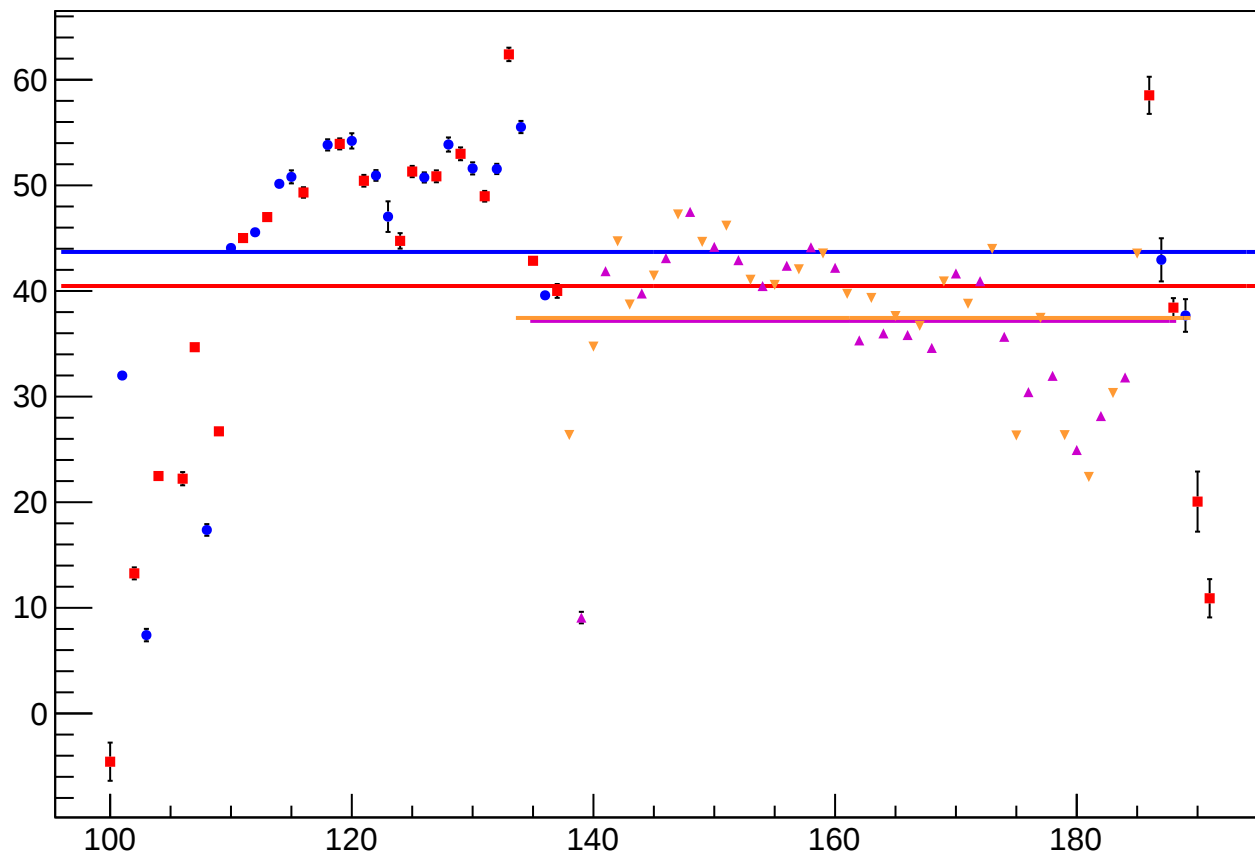
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.489 ± 0.049 $\chi^2/\text{NDF}: 91149.8/43$

All: -31.060 ± 0.034 $\chi^2/\text{NDF}: 182010.0/89$

- sign -31.621 ± 0.048 $\chi^2/\text{NDF}: 90588.0/45$

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: 40.472 $\pm$ 0.080 χ^2 /NDF: 18007.1/22

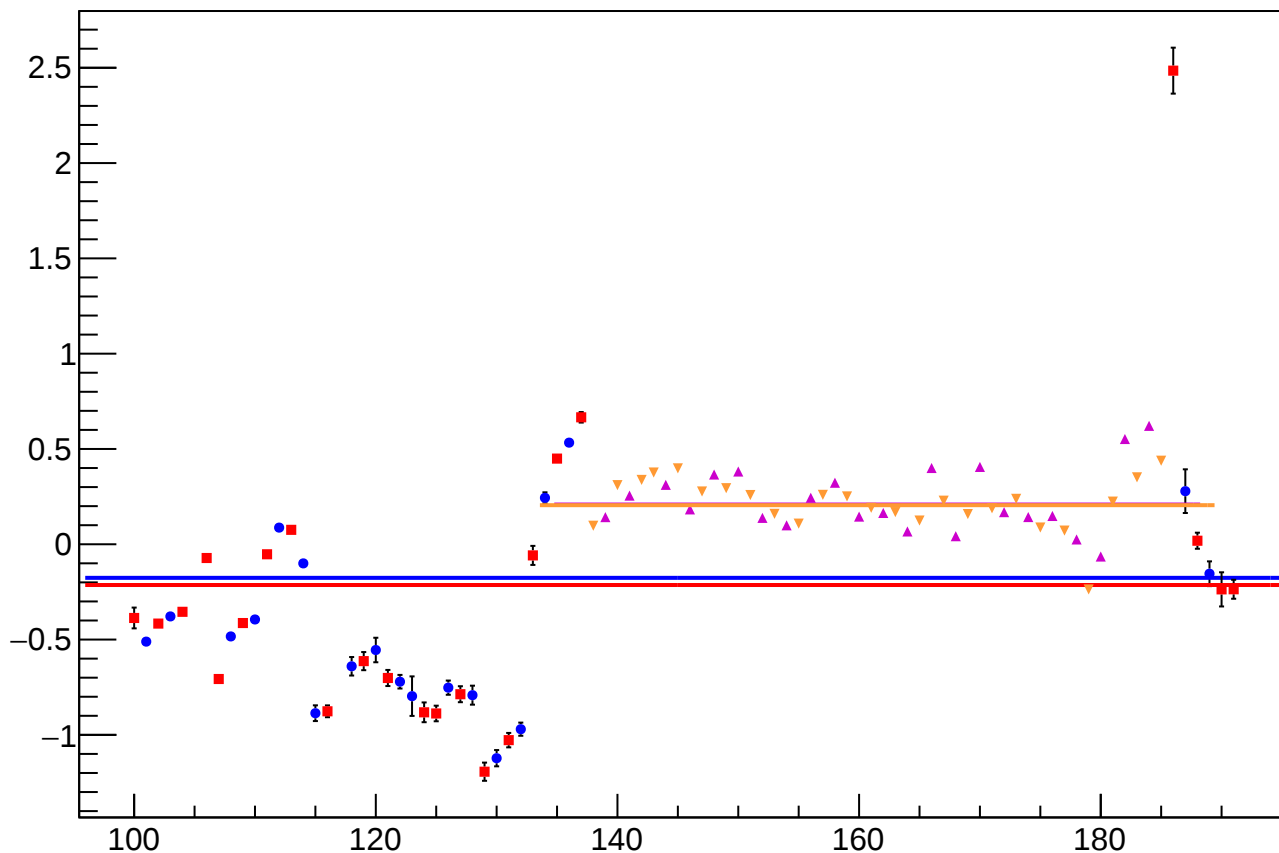
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.871 $\pm$ 0.041 χ^2 /NDF: 36151.0/43

All: 38.481 $\pm$ 0.029 χ^2 /NDF: 72816.0/89

- sign 38.082 $\pm$ 0.042 χ^2 /NDF: 36485.9/45

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 : 7950.6/22

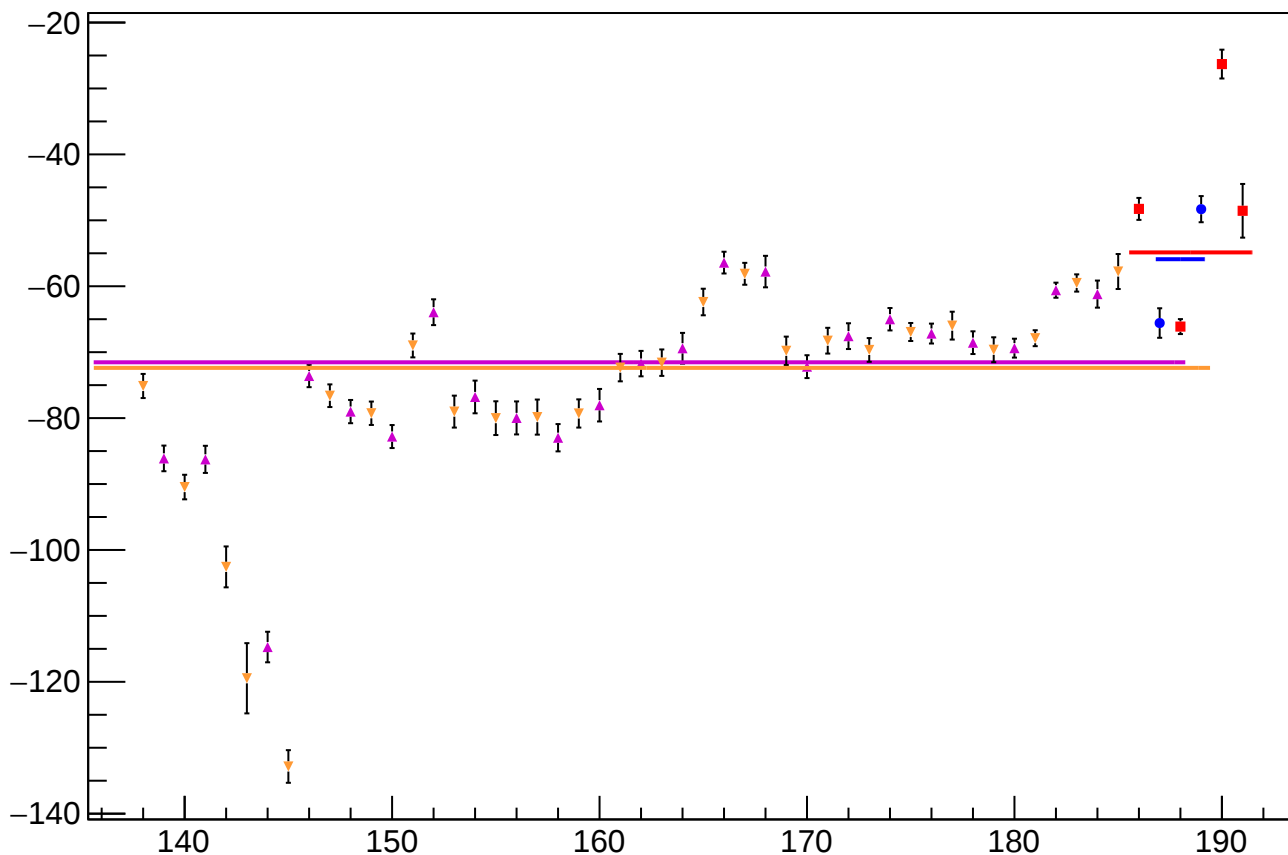
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.141 ± 0.002 χ^2/NDF : 16376.1/43

All: 0.129 ± 0.001 χ^2/NDF : 37186.4/89

- sign 0.117 ± 0.002 χ^2/NDF : 20735.7/45

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -55.899 ± 1.485 χ^2/NDF : 33.3/1

Left Out: -72.381 ± 0.382 χ^2/NDF : 1199.9/24

Right Out: -54.867 ± 0.843 χ^2/NDF : 287.2/3

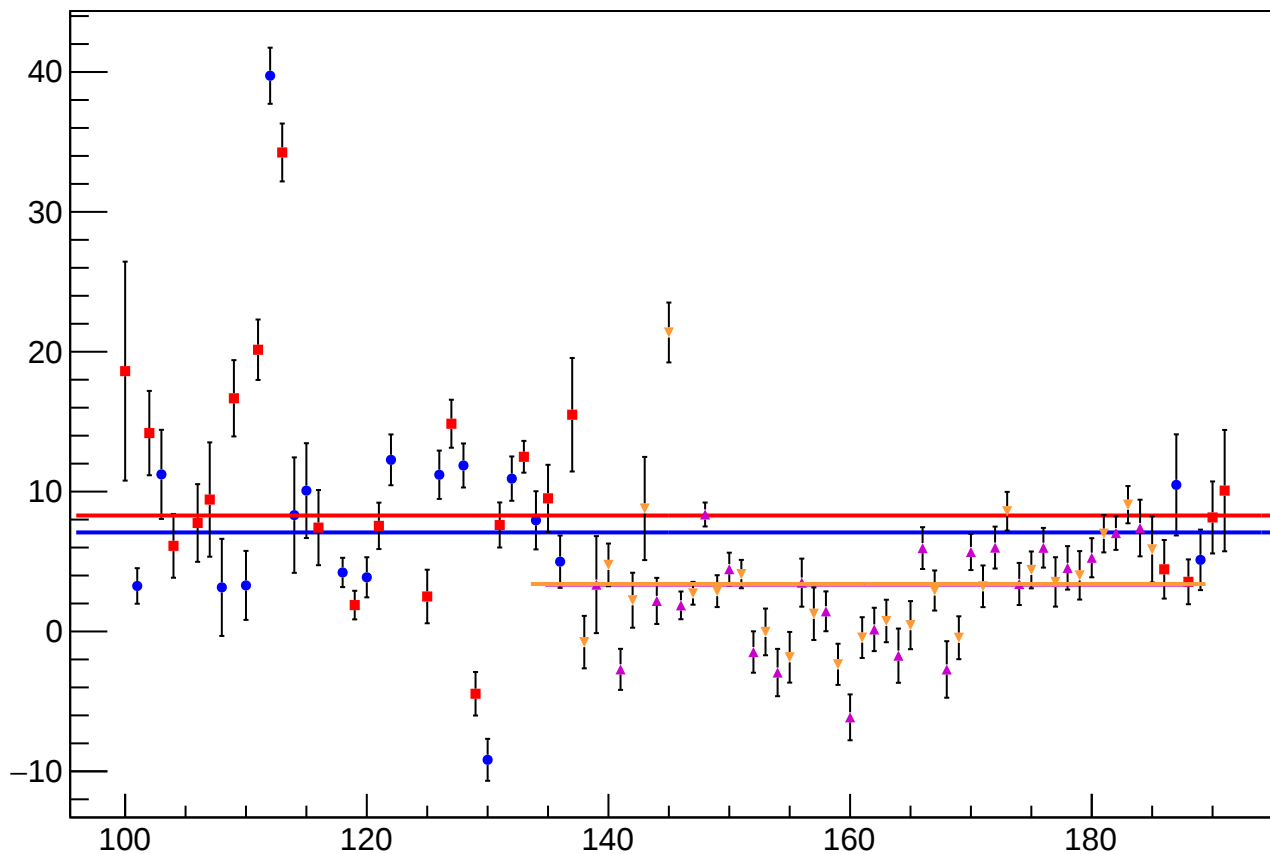
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -71.359 ± 0.370 χ^2/NDF : 1348.8/26

All: -69.947 ± 0.253 χ^2/NDF : 2839.1/53

- sign -68.700 ± 0.348 χ^2/NDF : 1462.9/26

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.081 ± 0.428 χ^2/NDF : 442.1/17

Left Out: 3.392 ± 0.294 χ^2/NDF : 169.9/24

Right Out: 8.291 ± 0.416 χ^2/NDF : 363.4/21

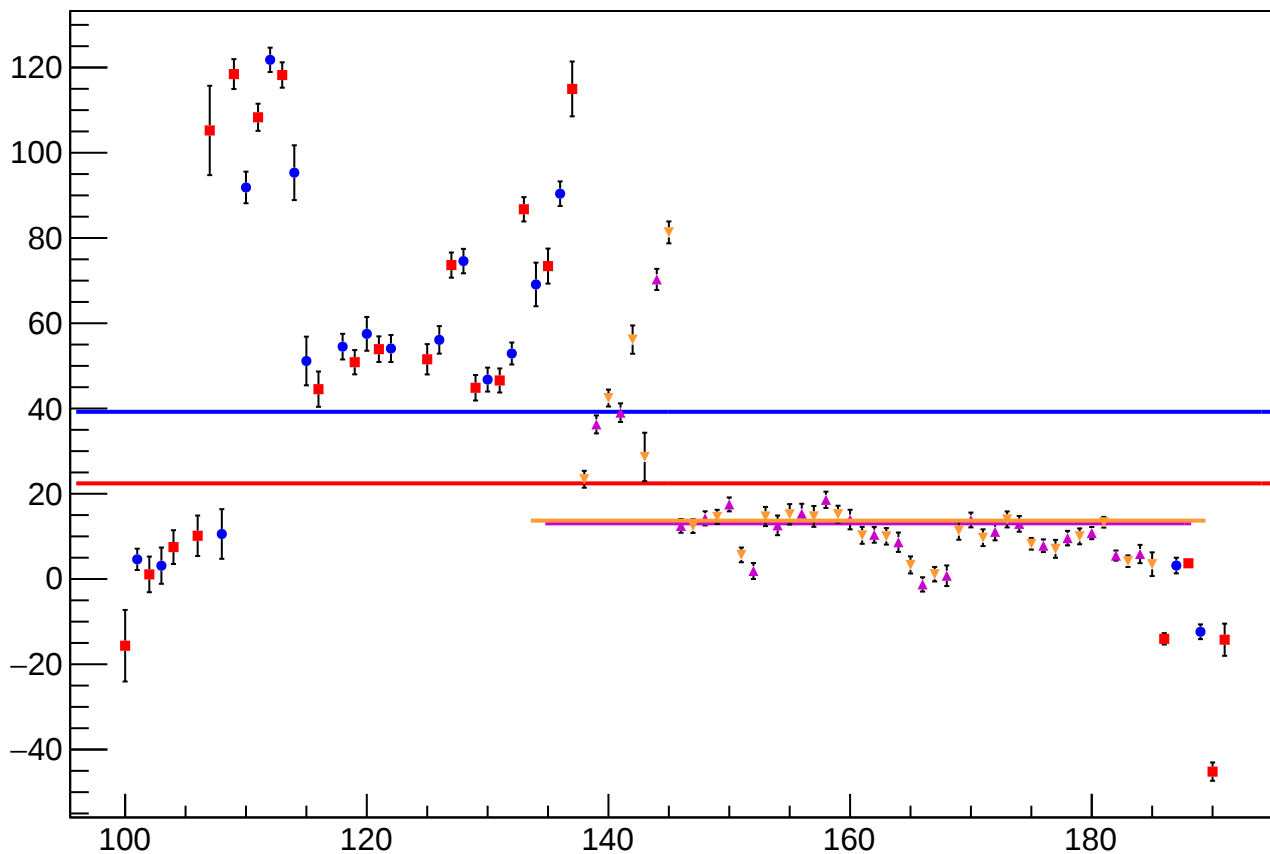
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.572 ± 0.242 χ^2/NDF : 662.4/42

All: 4.801 ± 0.171 χ^2/NDF : 1284.5/87

- sign 5.029 ± 0.242 χ^2/NDF : 620.3/44

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: 22.440 $\pm$ 0.539 χ^2 /NDF: 6487.4/21

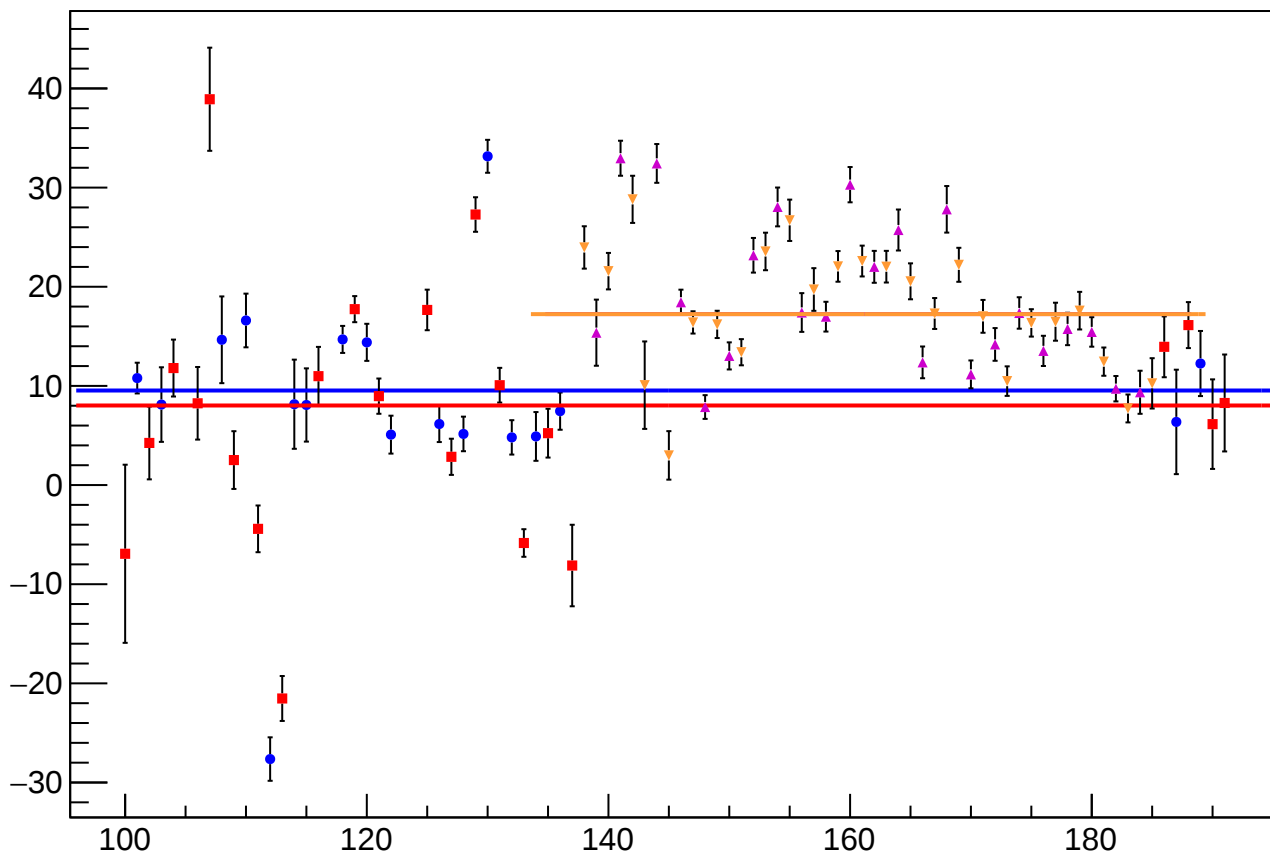
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 19.554 $\pm$ 0.334 χ^2 /NDF: 5647.6/42

All: 17.736 $\pm$ 0.228 χ^2 /NDF: 13417.1/87

- sign 16.168 $\pm$ 0.310 χ^2 /NDF: 7714.4/44

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.535 $\pm$ 0.499 χ^2/NDF : 548.3/17

Left Out: 17.238 $\pm$ 0.336 χ^2/NDF : 246.5/24

Right Out: 8.024 $\pm$ 0.491 χ^2/NDF : 584.1/21

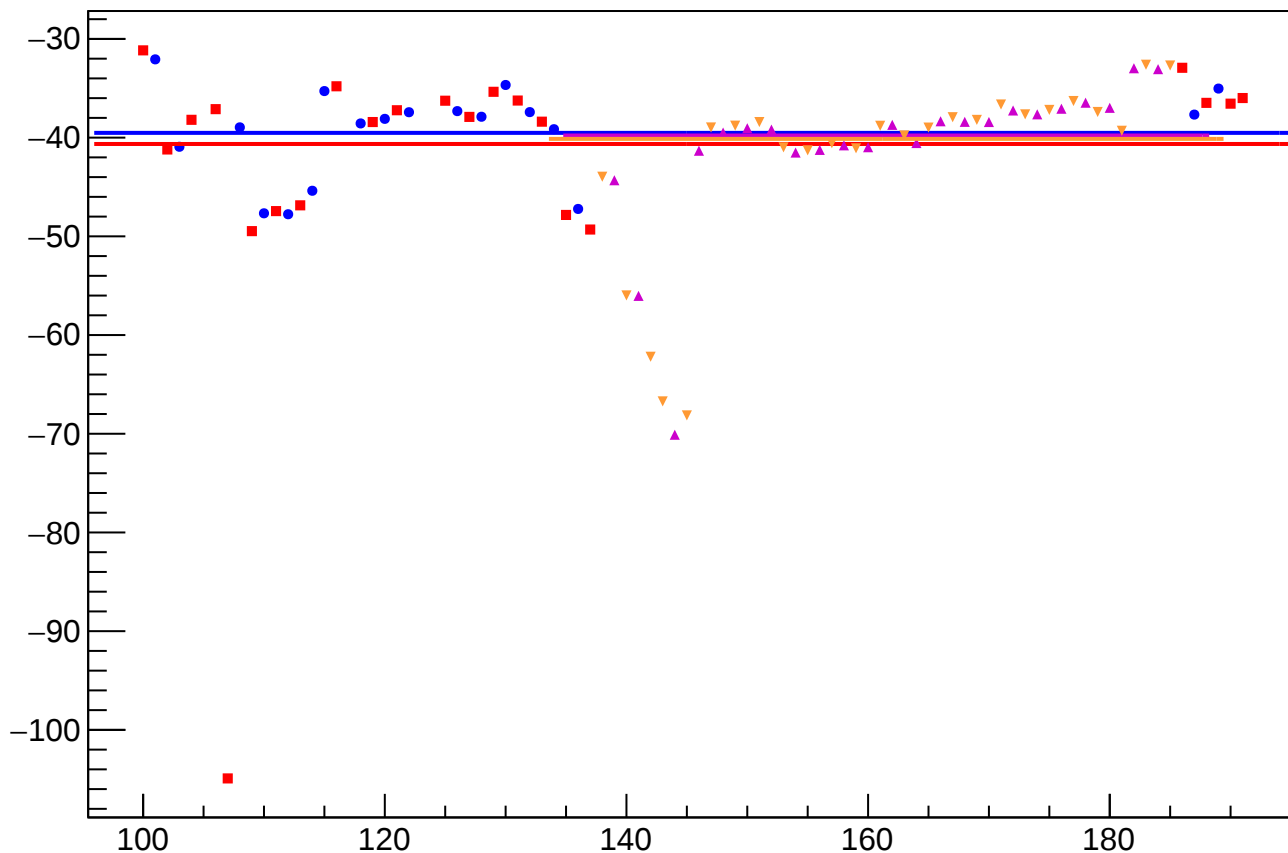
Left In: 17.245 $\pm$ 0.339 χ^2/NDF : 440.8/22

+ sign 14.837 $\pm$ 0.279 χ^2/NDF : 958.5/42

All: 14.553 $\pm$ 0.197 χ^2/NDF : 2223.8/87

- sign 14.267 $\pm$ 0.279 χ^2/NDF : 1263.3/44

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: -40.643 ± 0.028 χ^2/NDF : 100401.1/21

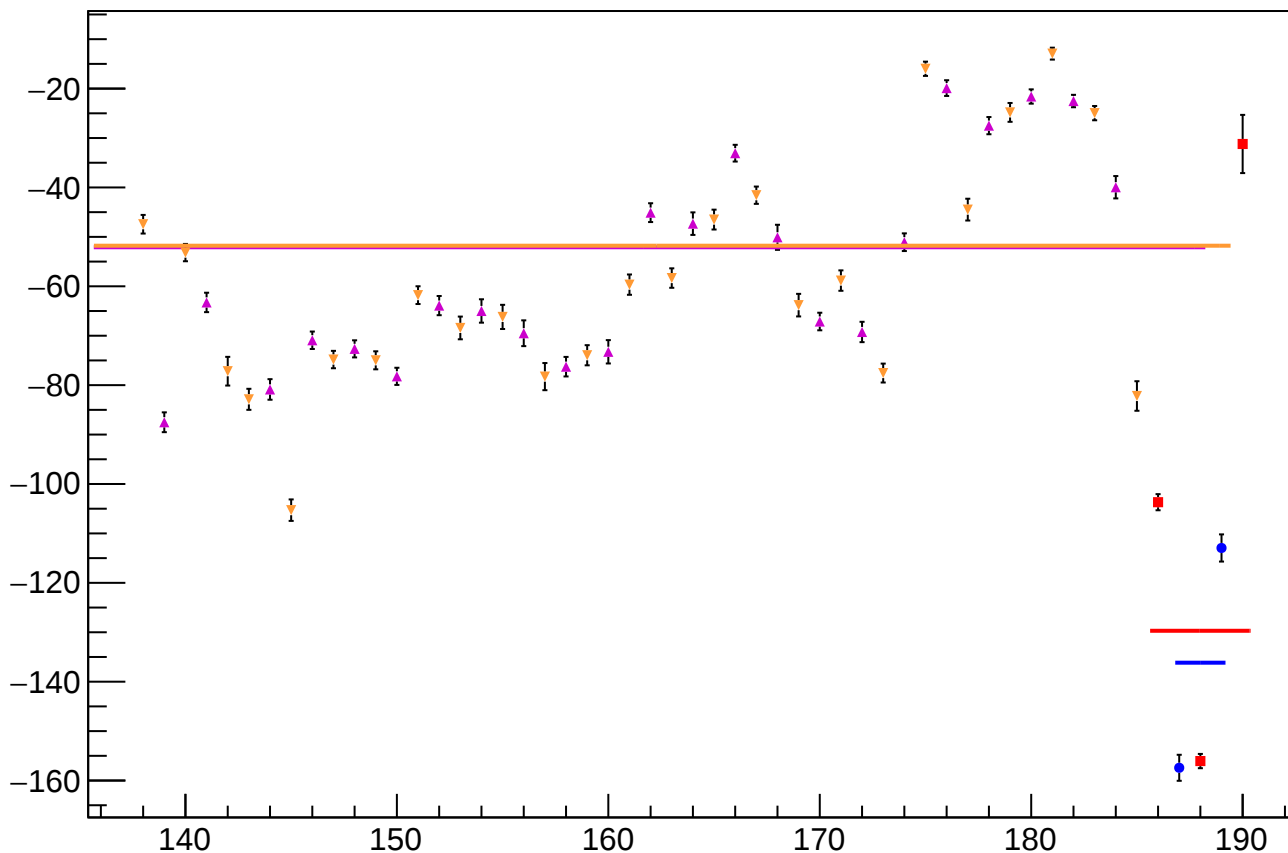
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -39.997 ± 0.014 χ^2/NDF : 213591.5/42

All: -39.991 ± 0.010 χ^2/NDF : 459190.9/87

- sign -39.985 ± 0.014 χ^2/NDF : 245599.1/44

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

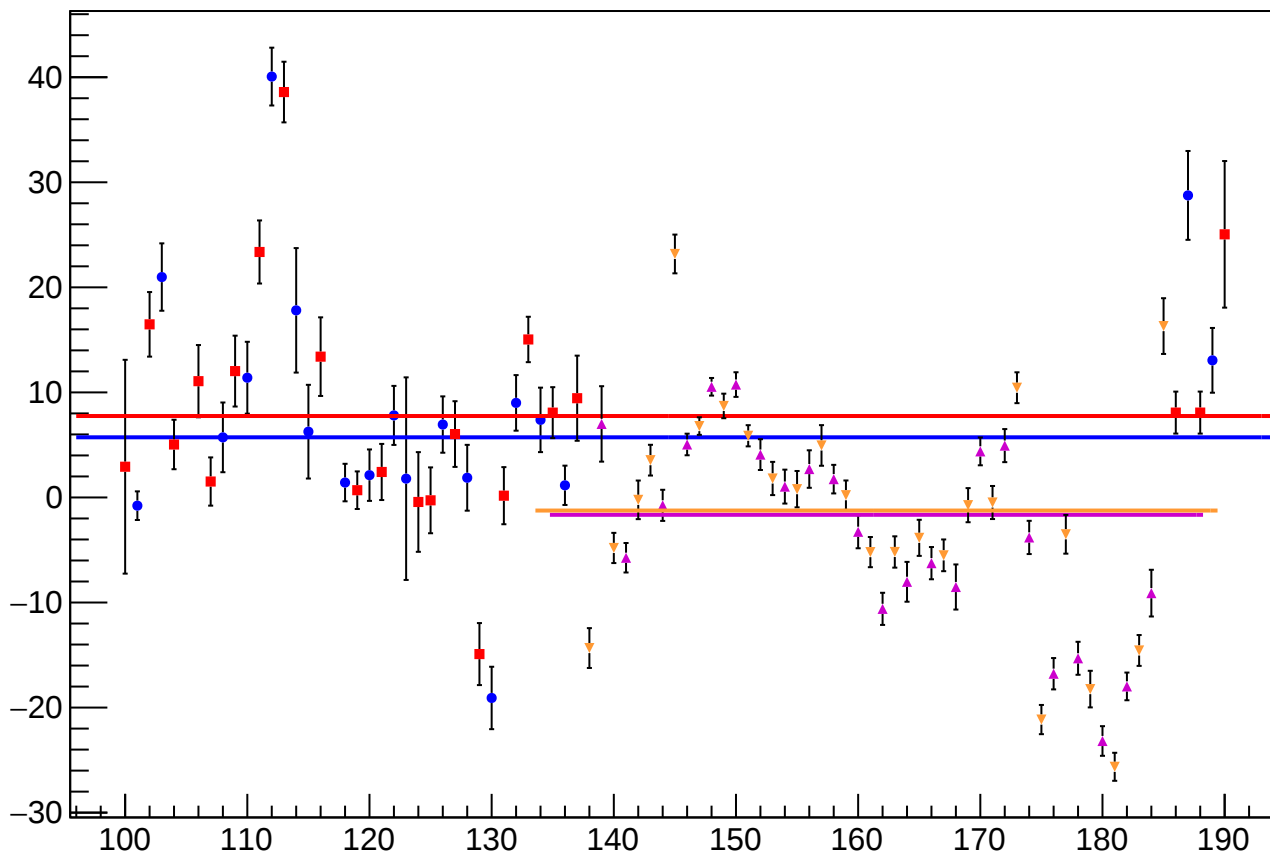
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ 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 $\chi^2/\text{NDF}: 276.8/21$

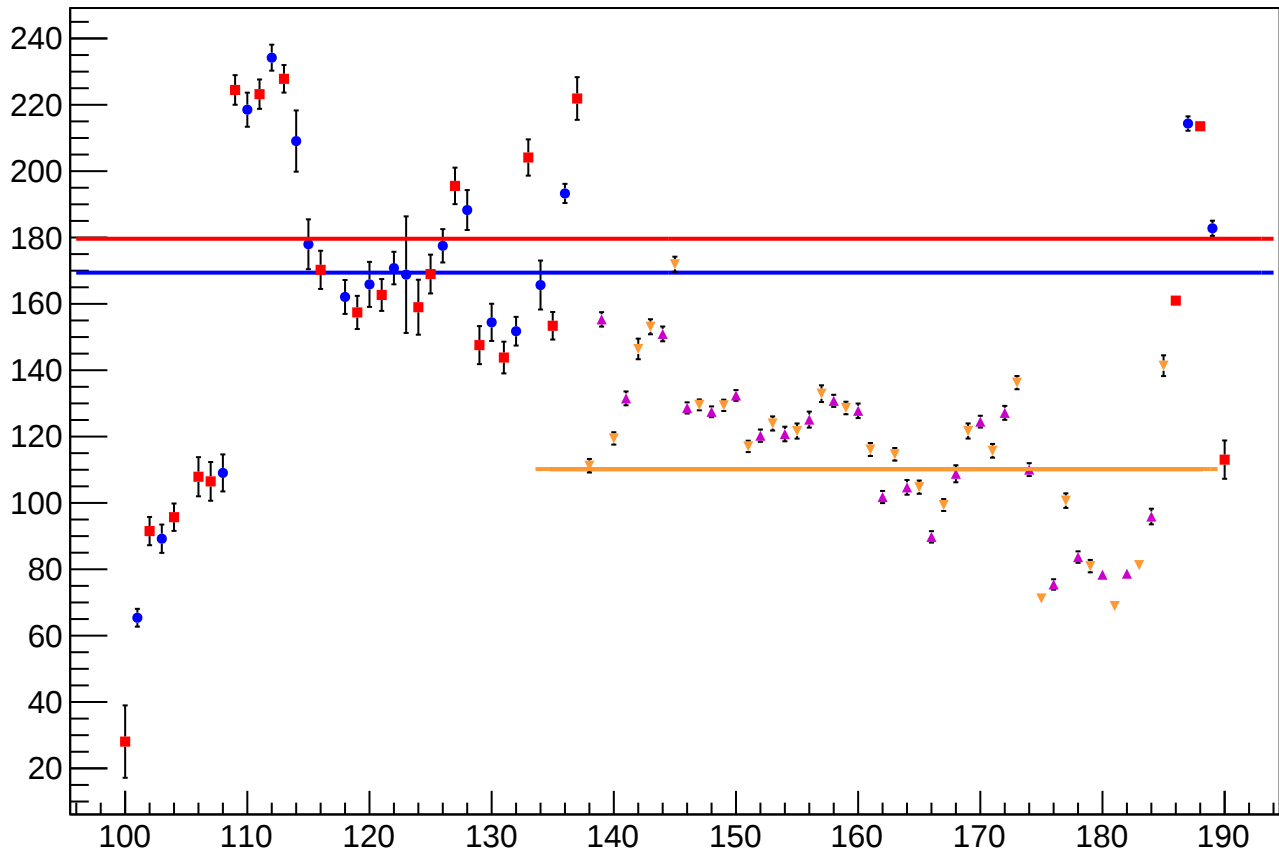
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ 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 $\pm$ 0.929 χ^2 /NDF: 2929.0/18

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 179.628 $\pm$ 0.693 χ^2 /NDF: 3106.8/21

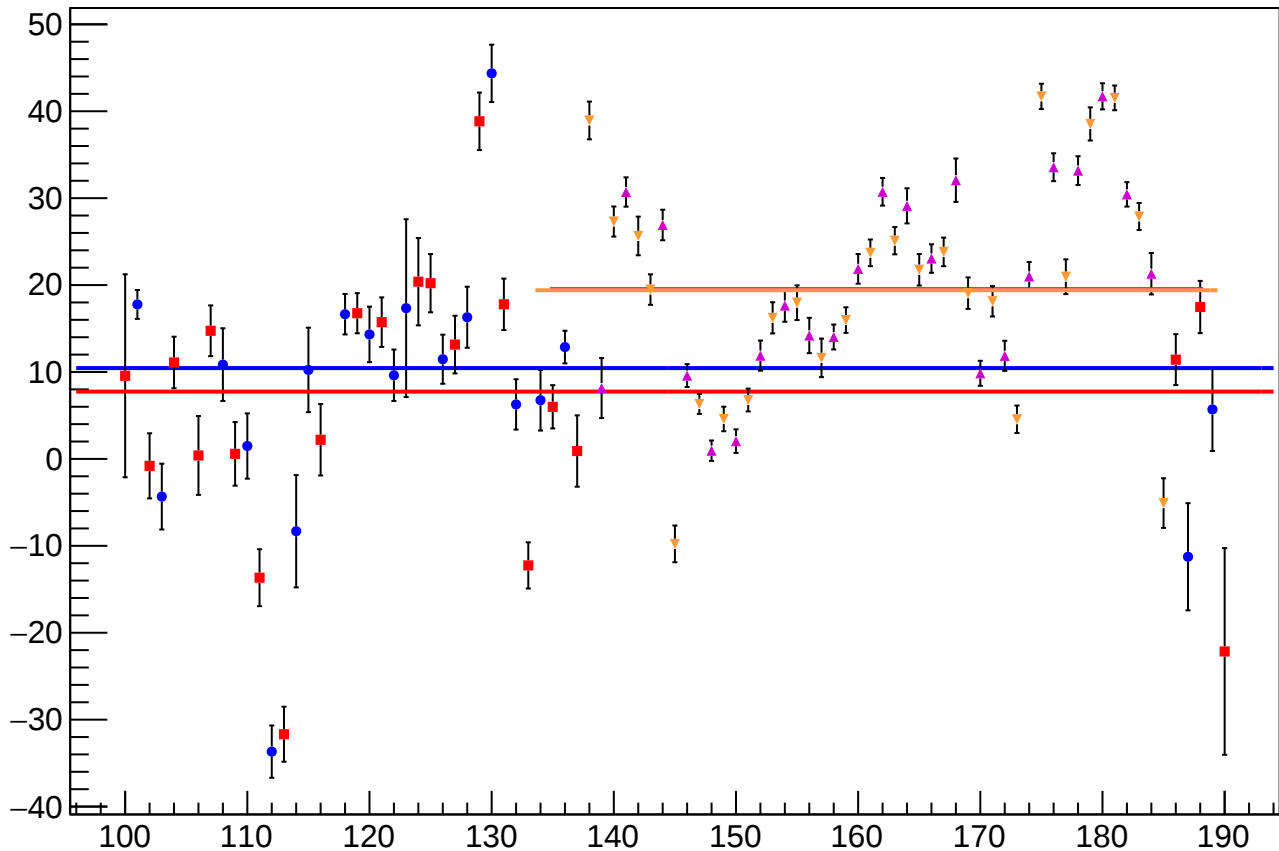
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 118.770 $\pm$ 0.353 χ^2 /NDF: 10993.4/43

All: 122.868 $\pm$ 0.244 χ^2 /NDF: 25719.6/88

- sign 126.601 $\pm$ 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

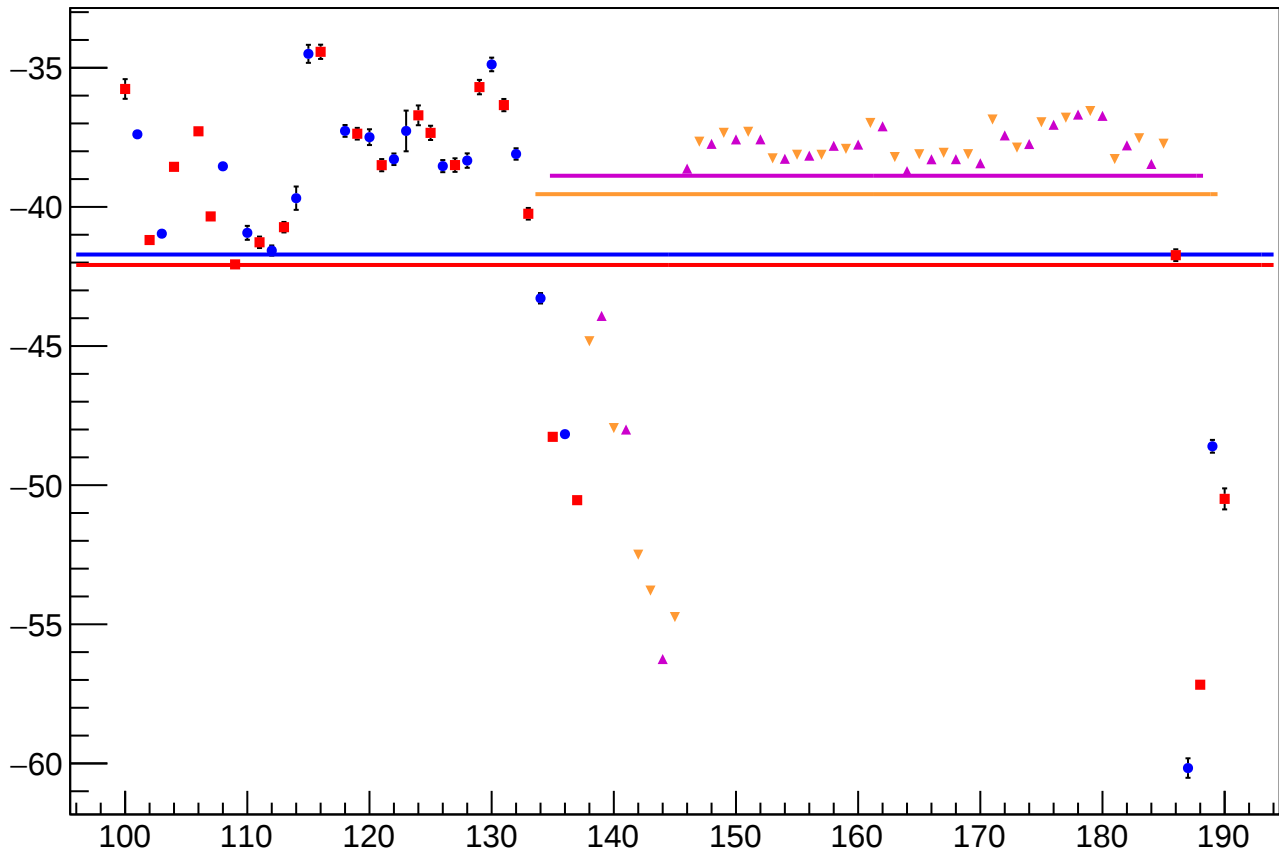
Left In: 19.530 $\pm$ 0.342 χ^2/NDF :1181.3/22

+ 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

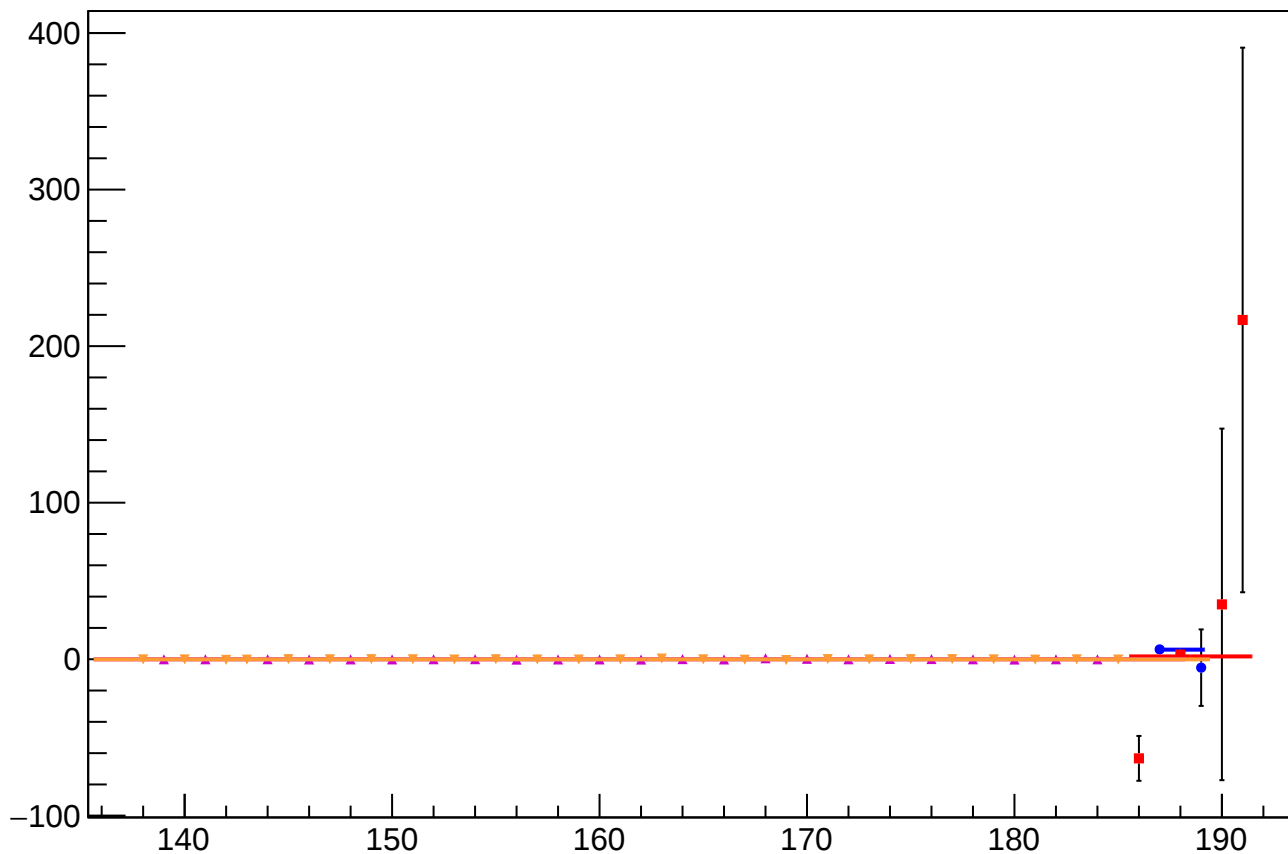
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ 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: 1.792 ± 1.944 χ^2/NDF : 22.6/3

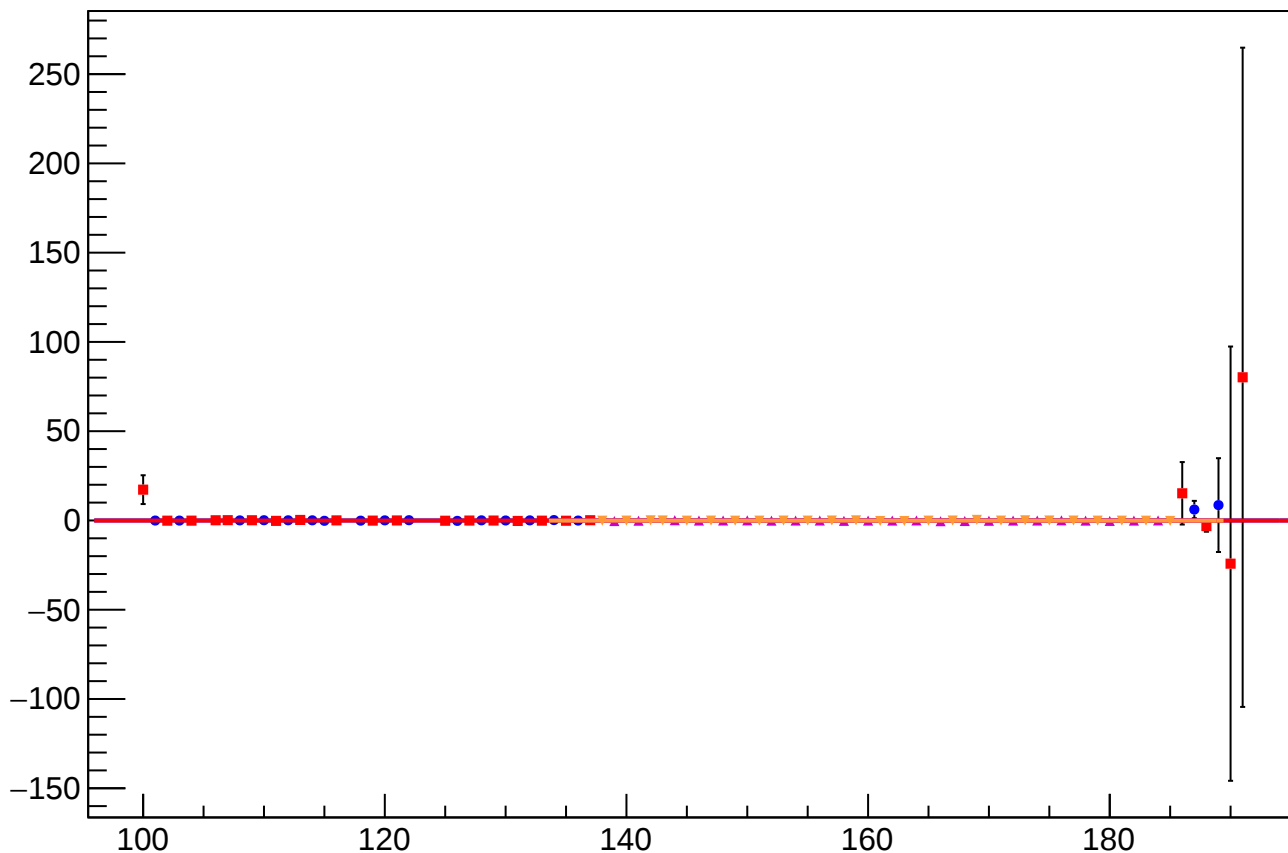
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.094 ± 0.022 χ^2/NDF : 46.4/26

All: -0.061 ± 0.016 χ^2/NDF : 108.2/53

- sign -0.025 ± 0.022 χ^2/NDF : 56.8/26

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 : 27.5/21

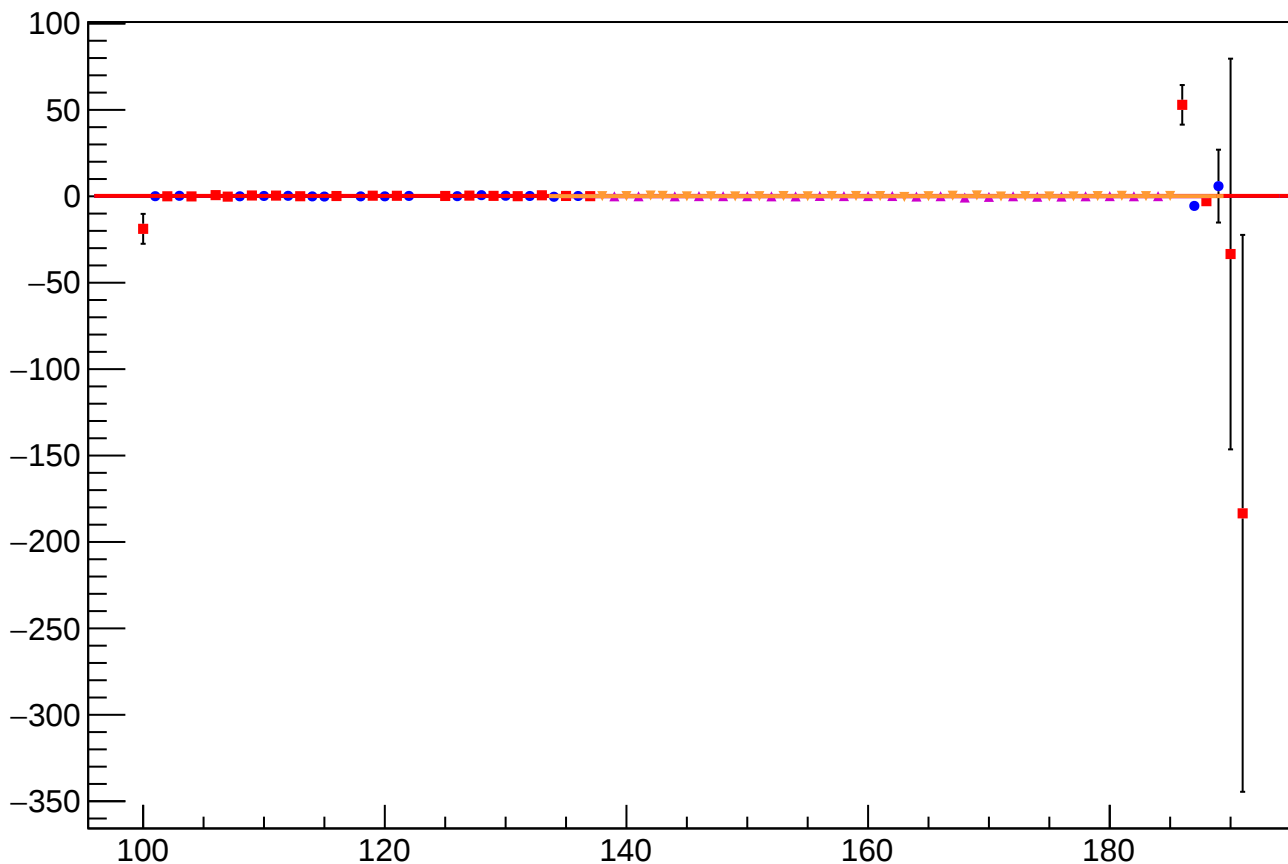
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.058 ± 0.015 χ^2/NDF : 46.2/42

All: -0.055 ± 0.010 χ^2/NDF : 105.5/87

- sign -0.052 ± 0.015 χ^2/NDF : 59.2/44

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 $\pm$ 0.053 χ^2 /NDF: 17.9/17

Left Out: 0.088 $\pm$ 0.022 χ^2 /NDF: 40.7/24

Right Out: 0.233 $\pm$ 0.054 χ^2 /NDF: 47.7/21

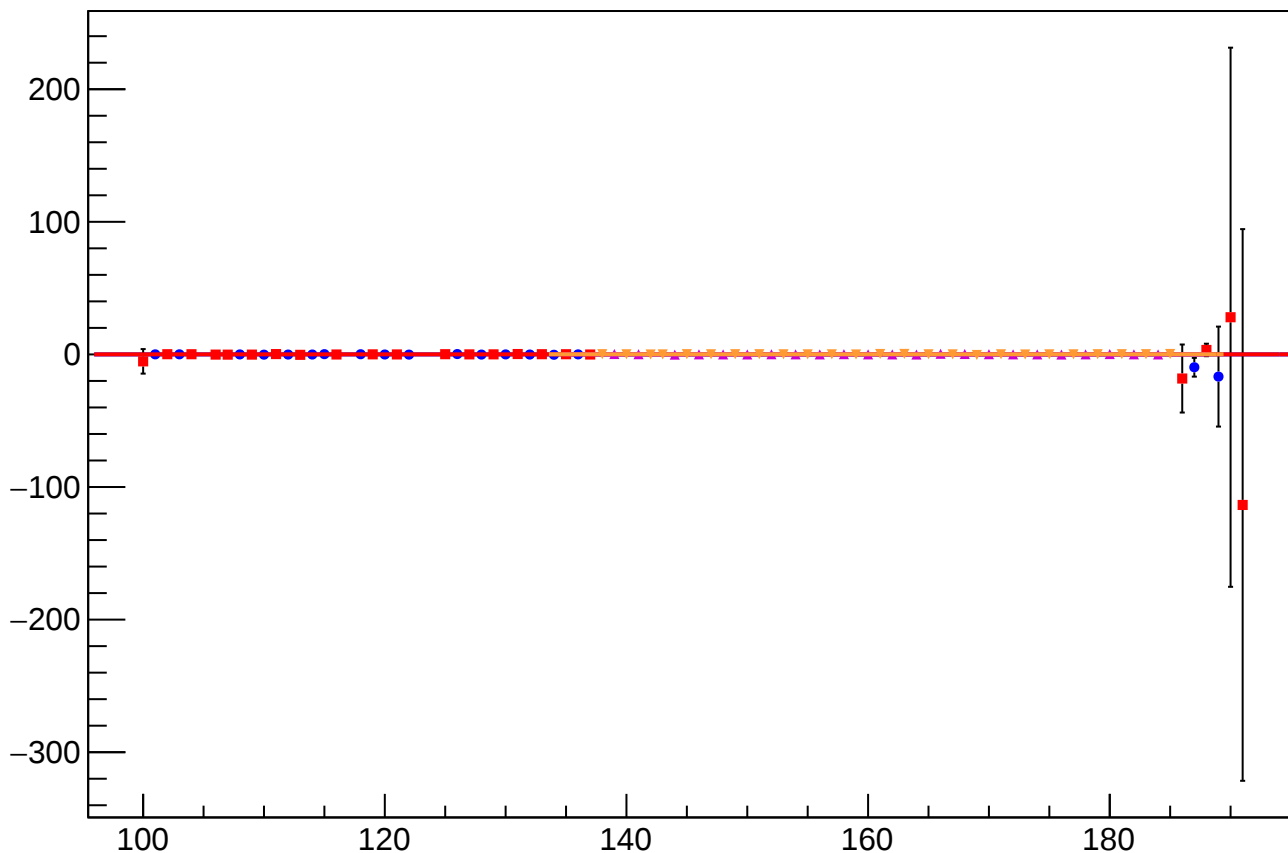
Left In: 0.020 $\pm$ 0.022 χ^2 /NDF: 35.6/22

+ sign 0.100 $\pm$ 0.020 χ^2 /NDF: 60.8/42

All: 0.076 $\pm$ 0.014 χ^2 /NDF: 160.3/87

- sign 0.051 $\pm$ 0.021 χ^2 /NDF: 96.6/44

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 : 21.6/21

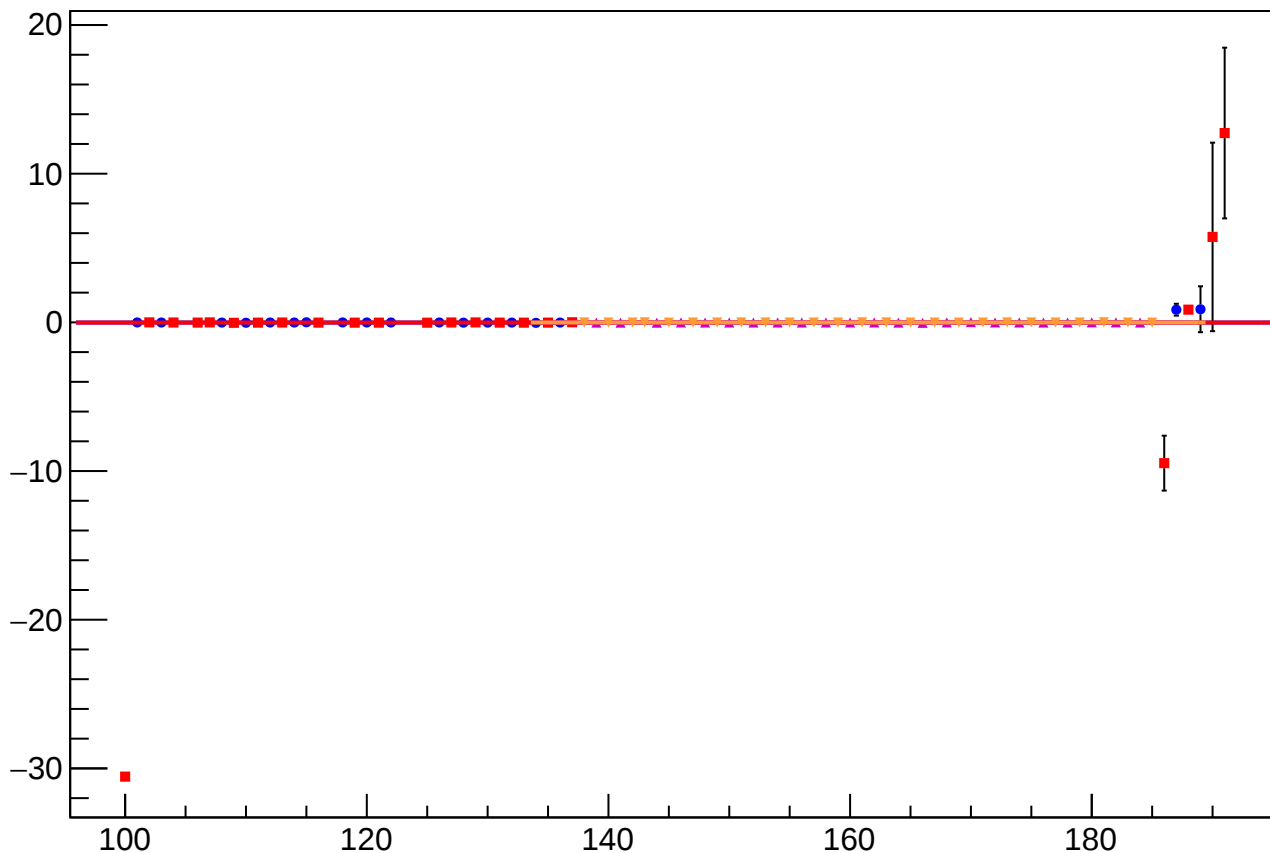
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.074 ± 0.017 χ^2/NDF : 54.4/42

All: 0.070 ± 0.012 χ^2/NDF : 107.7/87

- sign 0.066 ± 0.017 χ^2/NDF : 53.1/44

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 : 11935.6/21

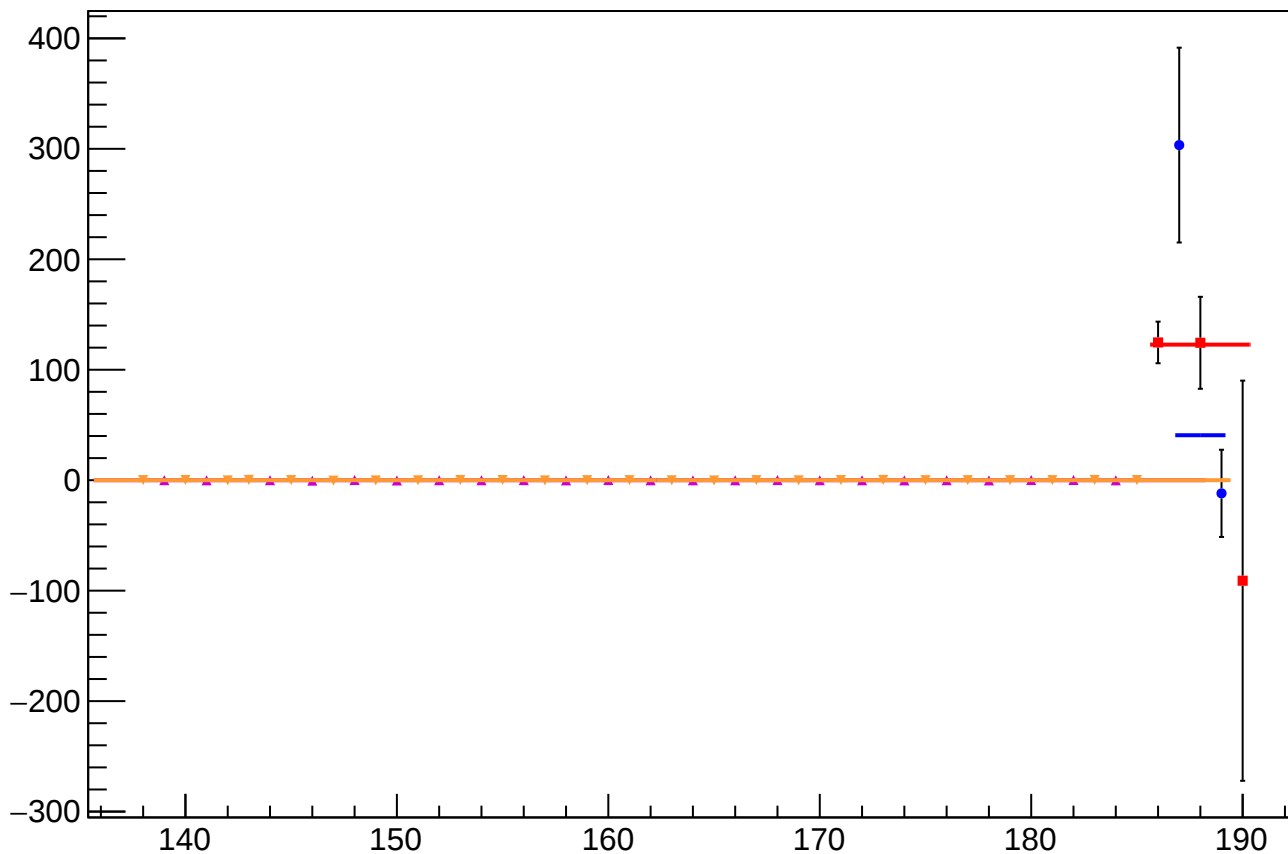
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.008 ± 0.001 χ^2/NDF : 57.0/42

All: -0.009 ± 0.001 χ^2/NDF : 12036.8/87

- sign -0.009 ± 0.001 χ^2/NDF : 11979.1/44

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

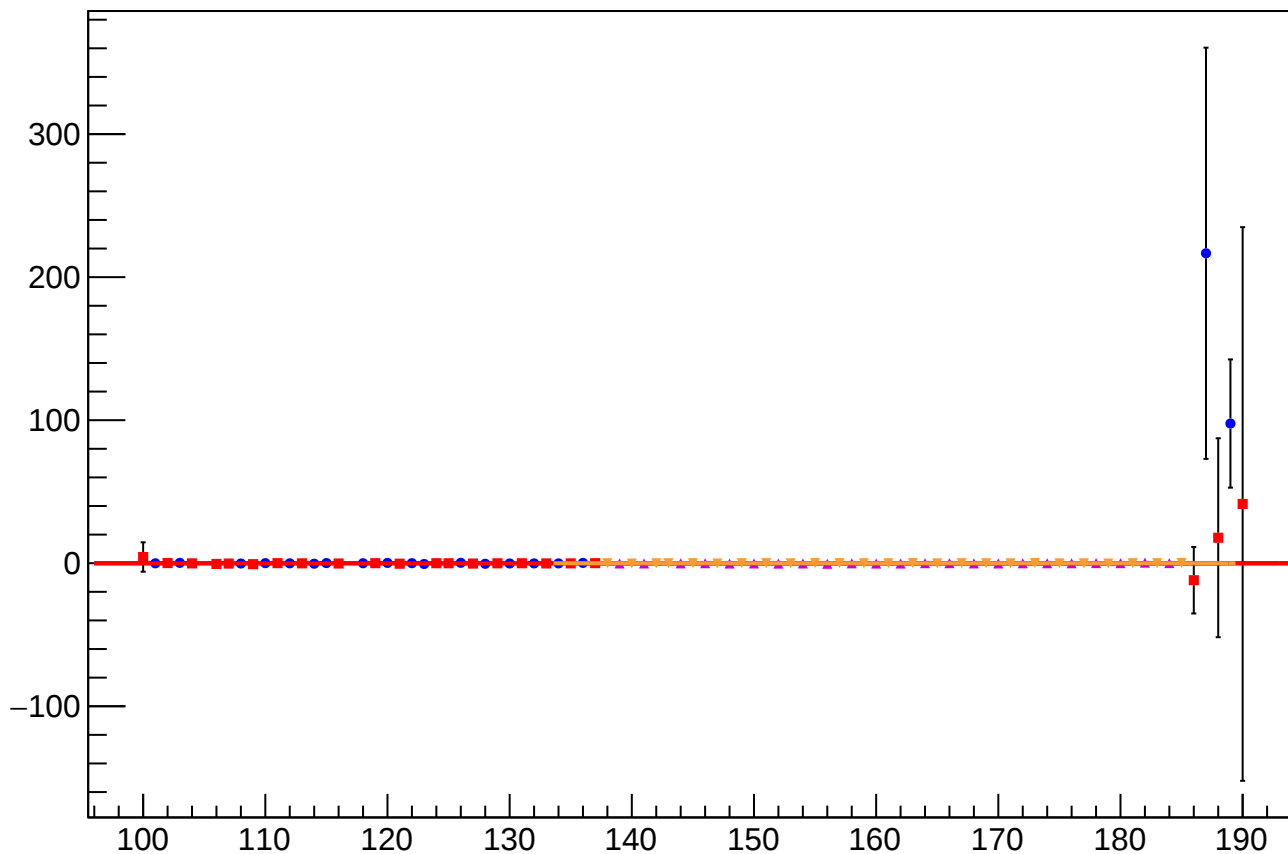
Left In: 0.002 $\pm$ 0.028 χ^2 /NDF:29.0/22

+ 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

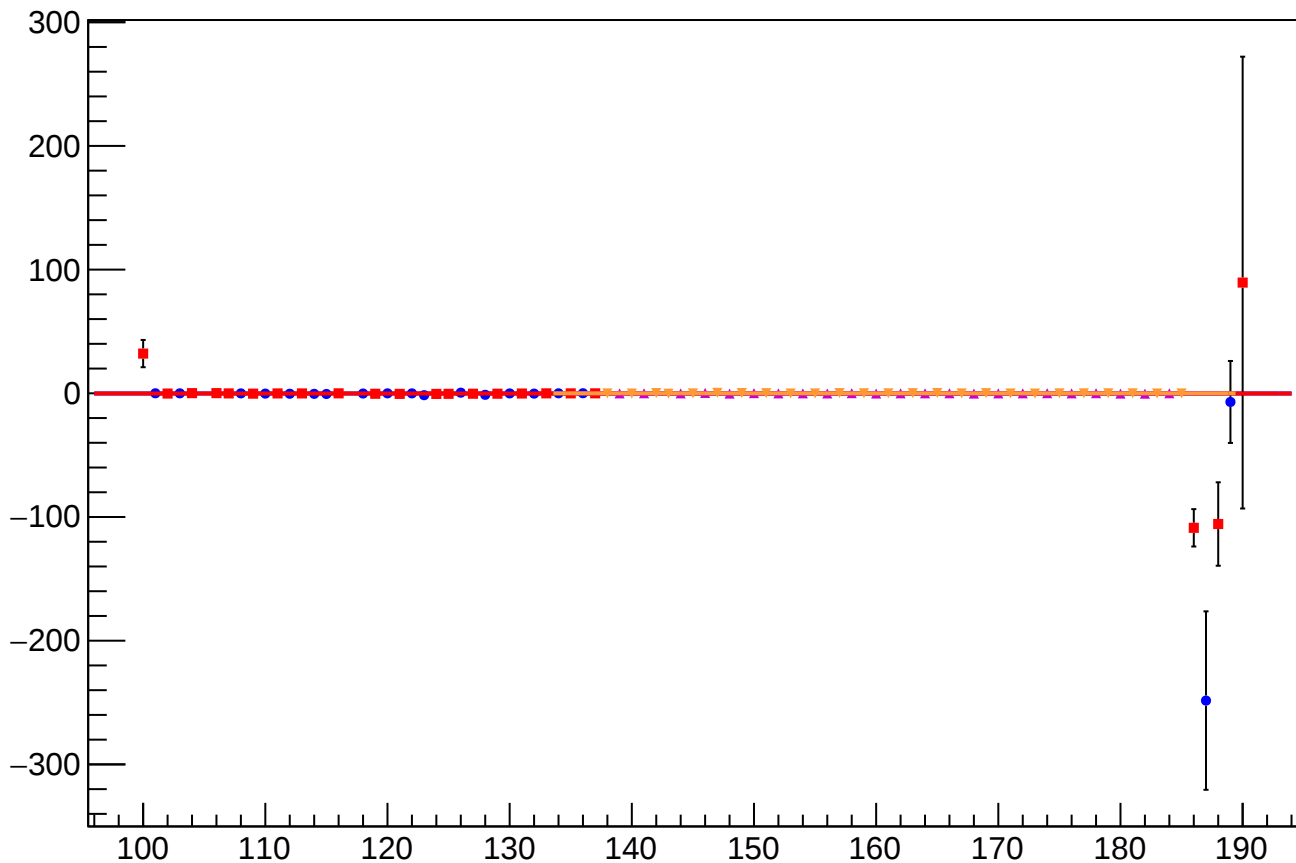
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ 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

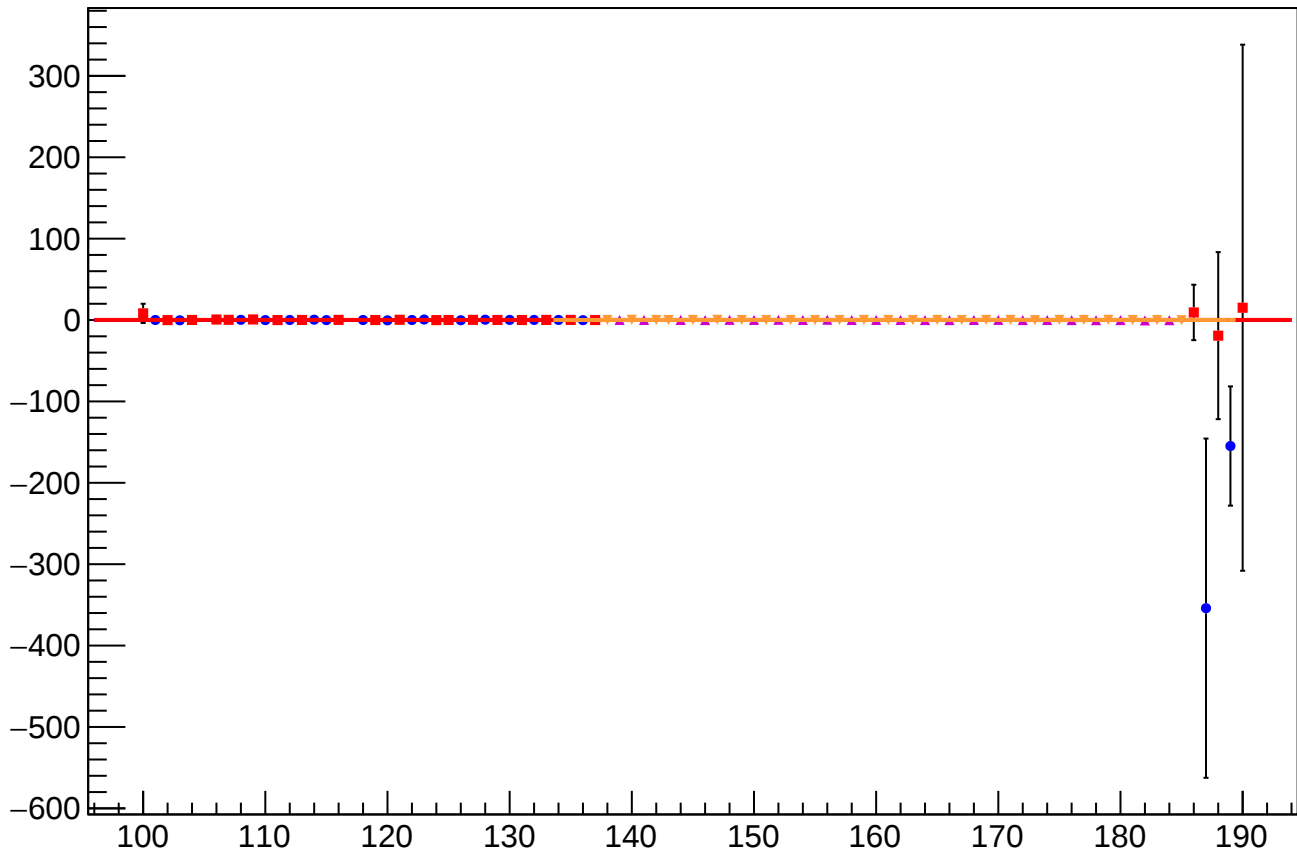
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ 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

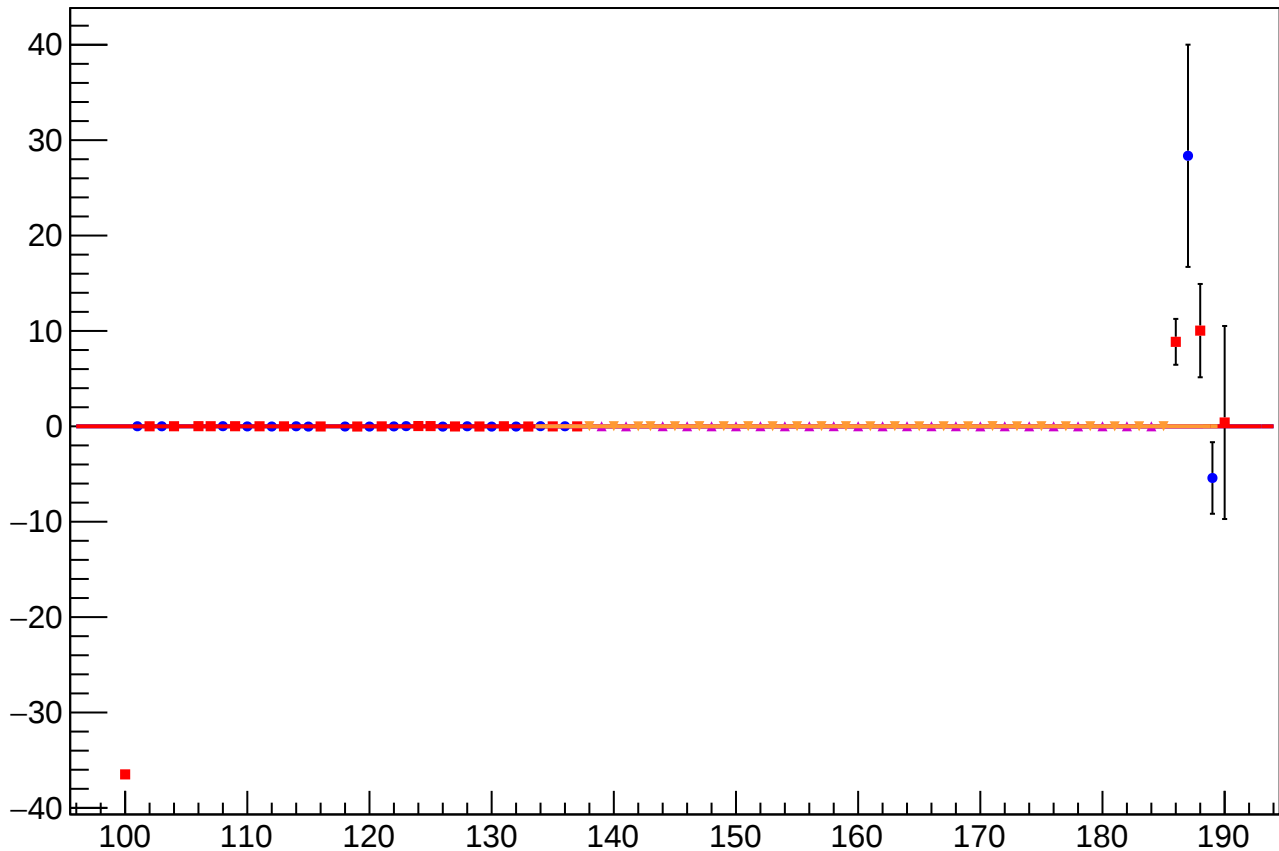
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF: 51.8/22

+ 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 ± 0.002 χ^2/NDF : 38.5/18

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10466.9/21

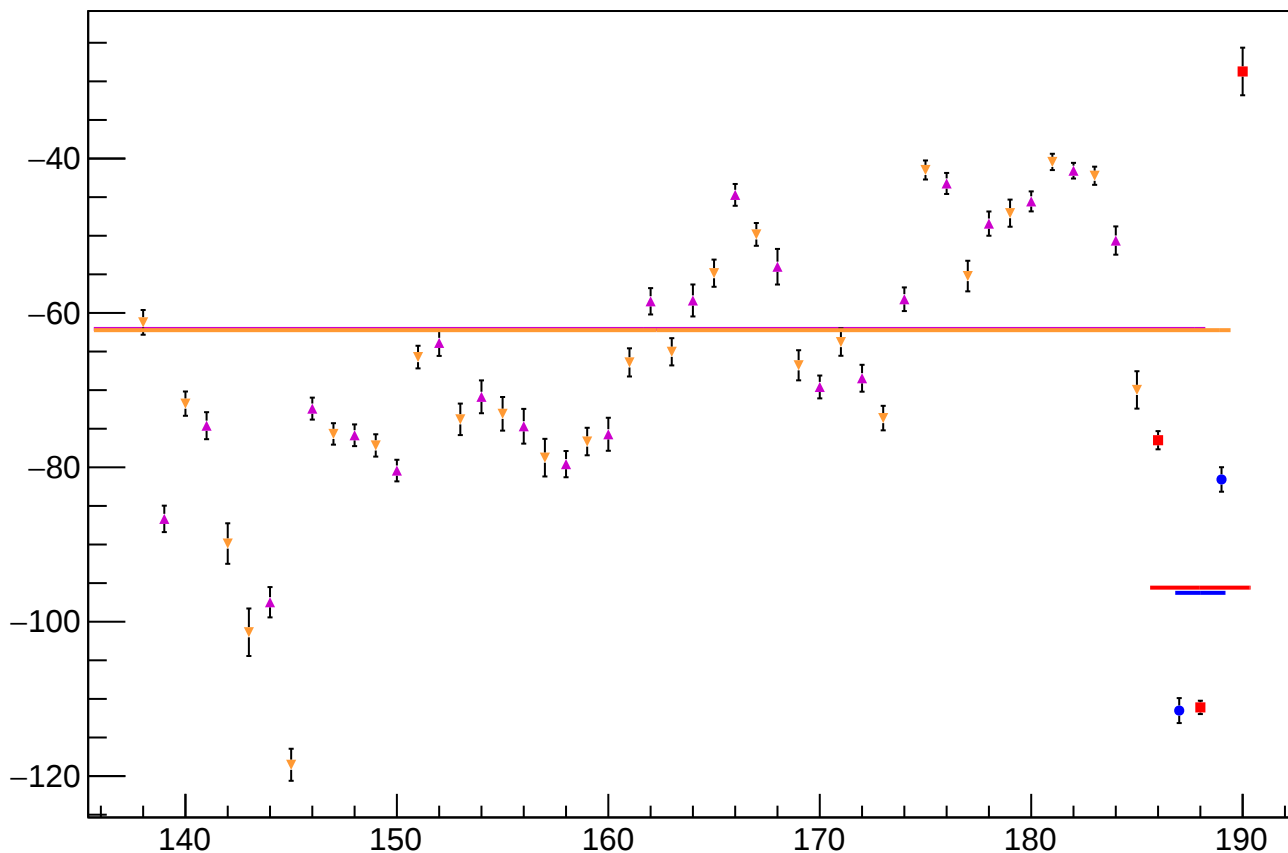
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 72.9/43

All: 0.007 ± 0.001 χ^2/NDF : 10565.3/88

- sign 0.007 ± 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 $\chi^2/\text{NDF}: 1055.2/2$

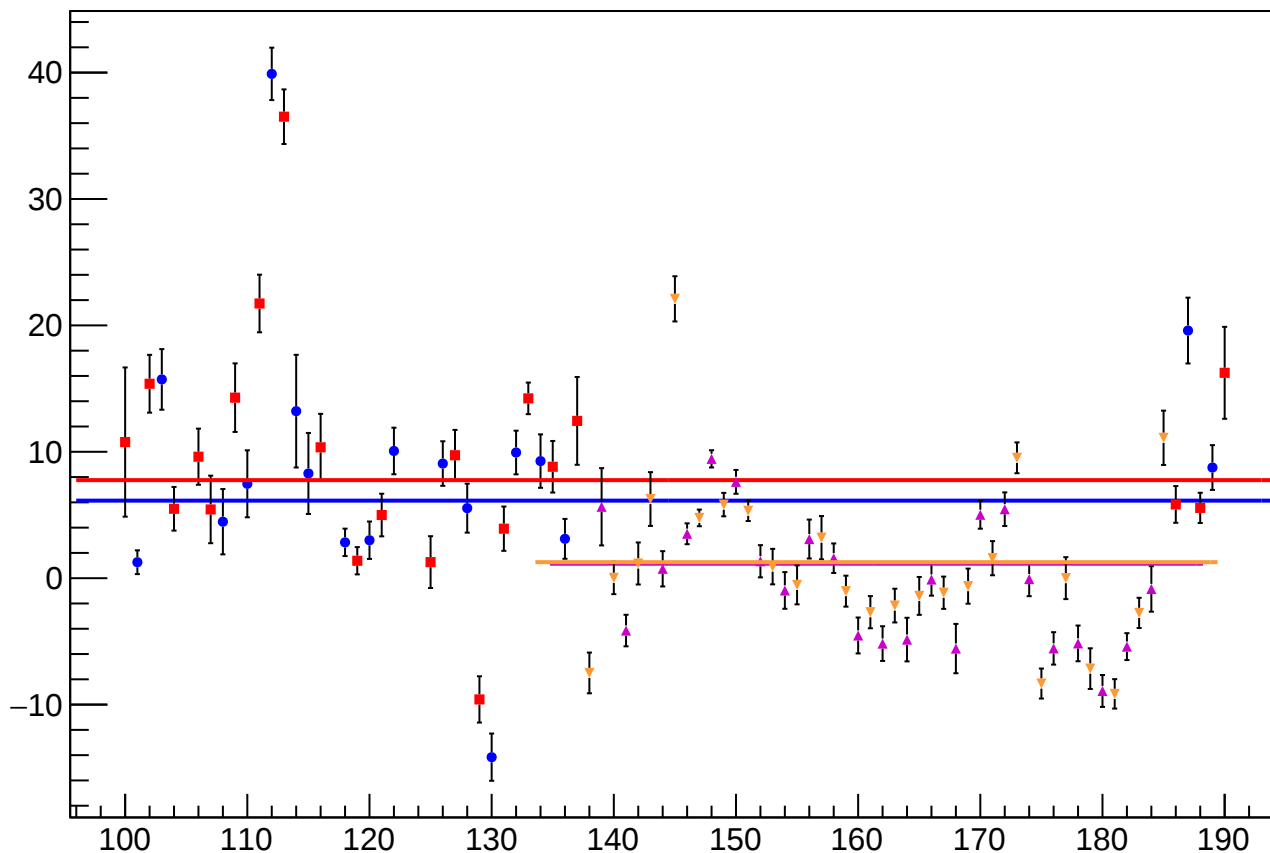
Left In: -62.073 ± 0.332 $\chi^2/\text{NDF}: 2192.0/22$

+ 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 $\chi^2/\text{NDF}: 418.9/20$

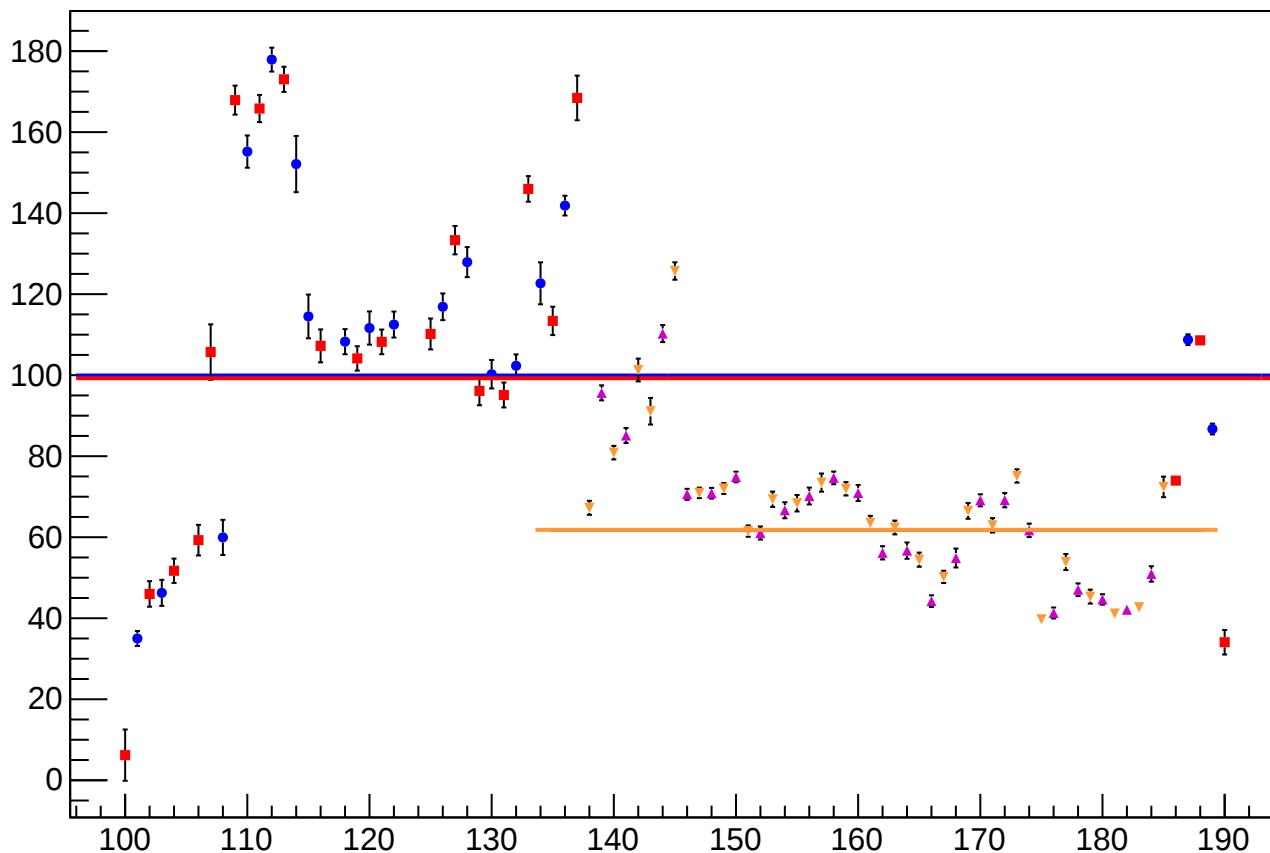
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ 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

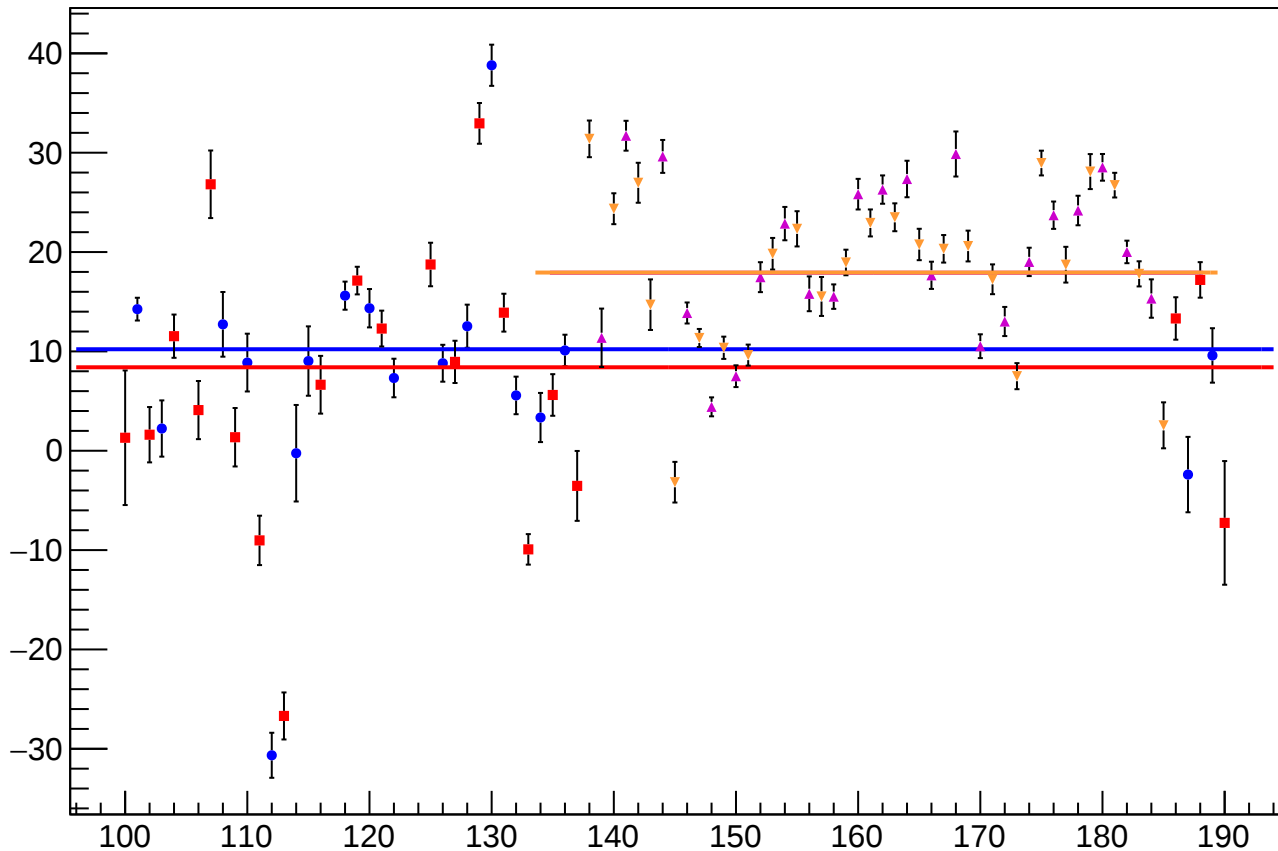
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF:2418.2/22

+ 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 $\chi^2/\text{NDF}: 589.3/17$

Left Out: 17.937 ± 0.289 $\chi^2/\text{NDF}: 676.0/24$

Right Out: 8.401 ± 0.488 $\chi^2/\text{NDF}: 725.6/20$

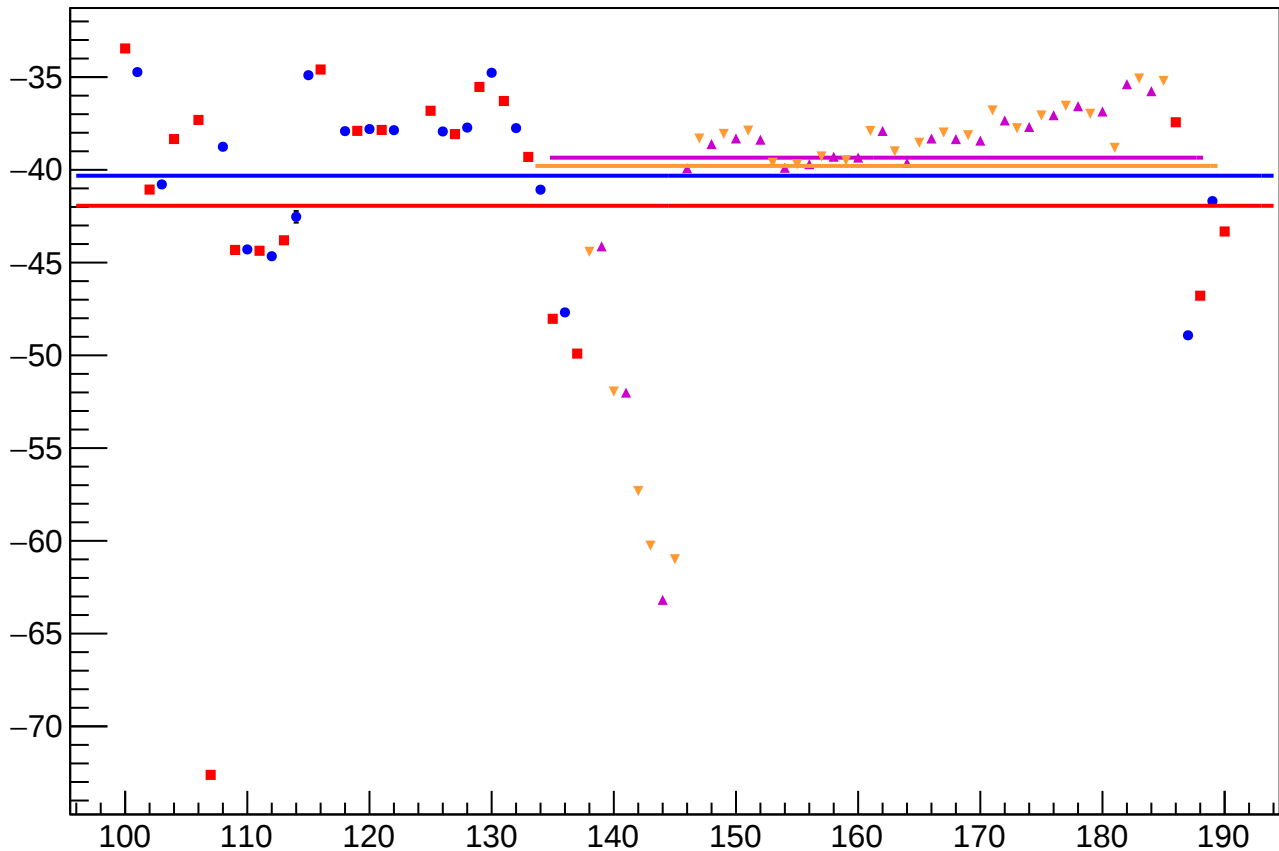
Left In: 17.916 ± 0.292 $\chi^2/\text{NDF}: 726.5/22$

+ sign 15.922 ± 0.248 $\chi^2/\text{NDF}: 1451.6/42$

All: 15.665 ± 0.176 $\chi^2/\text{NDF}: 3185.6/86$

- sign 15.404 ± 0.251 $\chi^2/\text{NDF}: 1731.8/43$

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 $\chi^2/\text{NDF}: 65516.3/20$

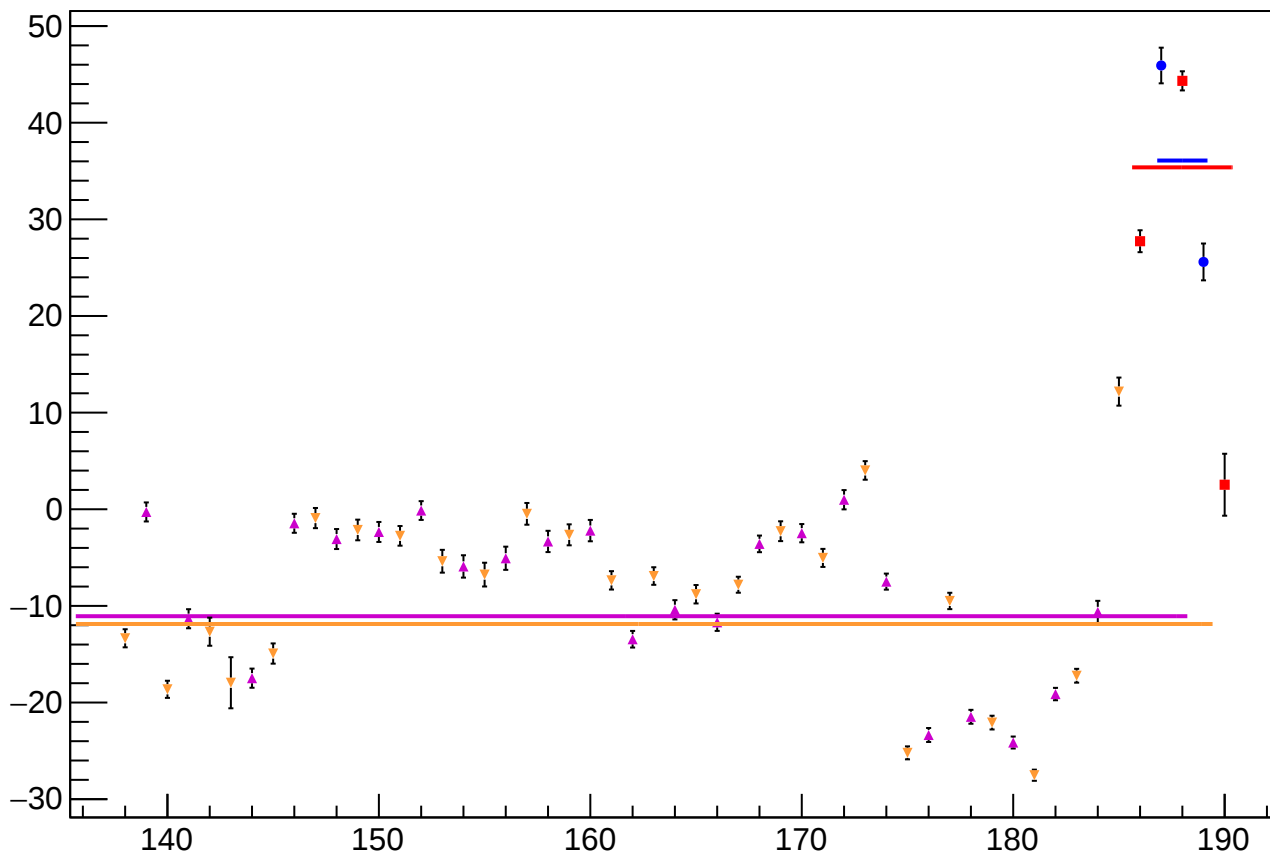
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ 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 $\chi^2/\text{NDF}: 232.1/2$

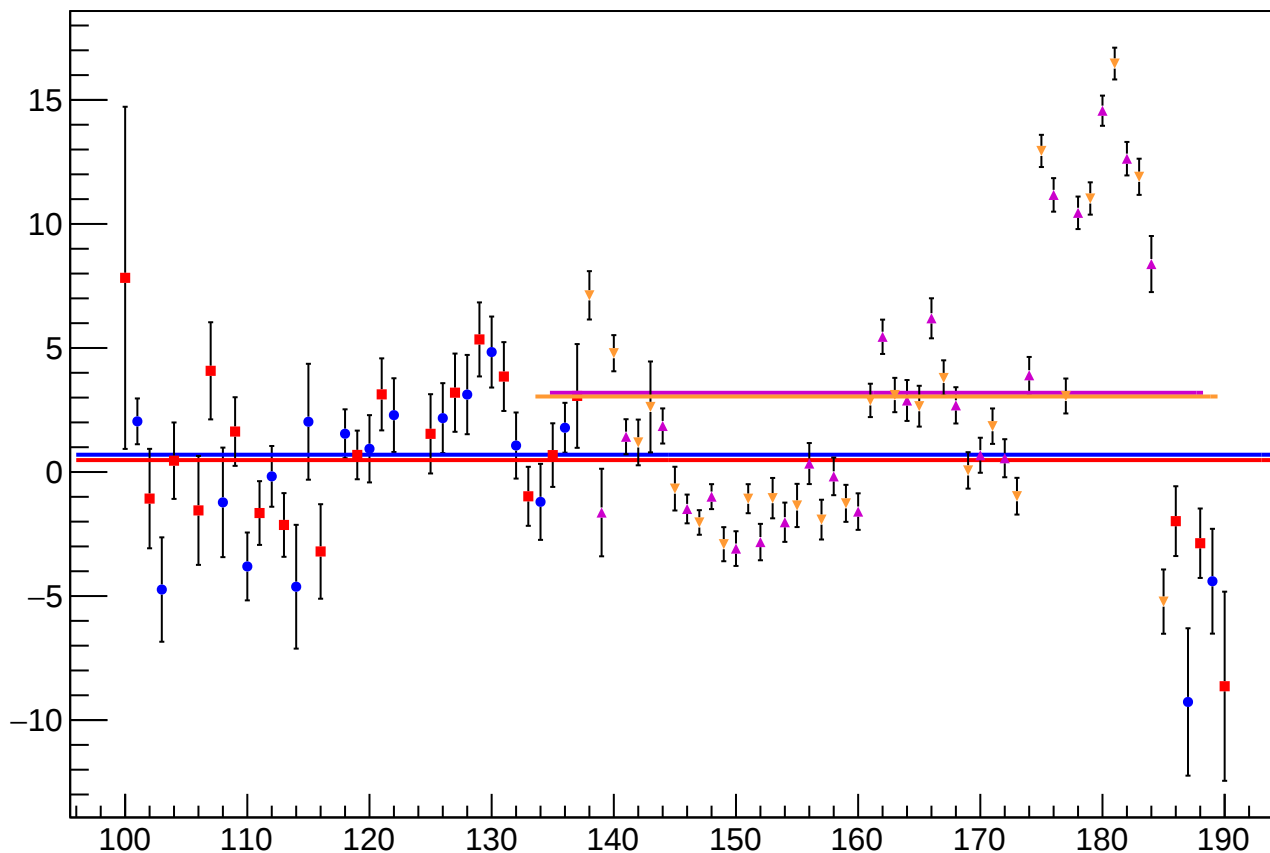
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ 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 $\chi^2/\text{NDF}: 59.3/17$

Left Out: 3.044 ± 0.147 $\chi^2/\text{NDF}: 1457.3/24$

Right Out: 0.480 ± 0.332 $\chi^2/\text{NDF}: 58.2/20$

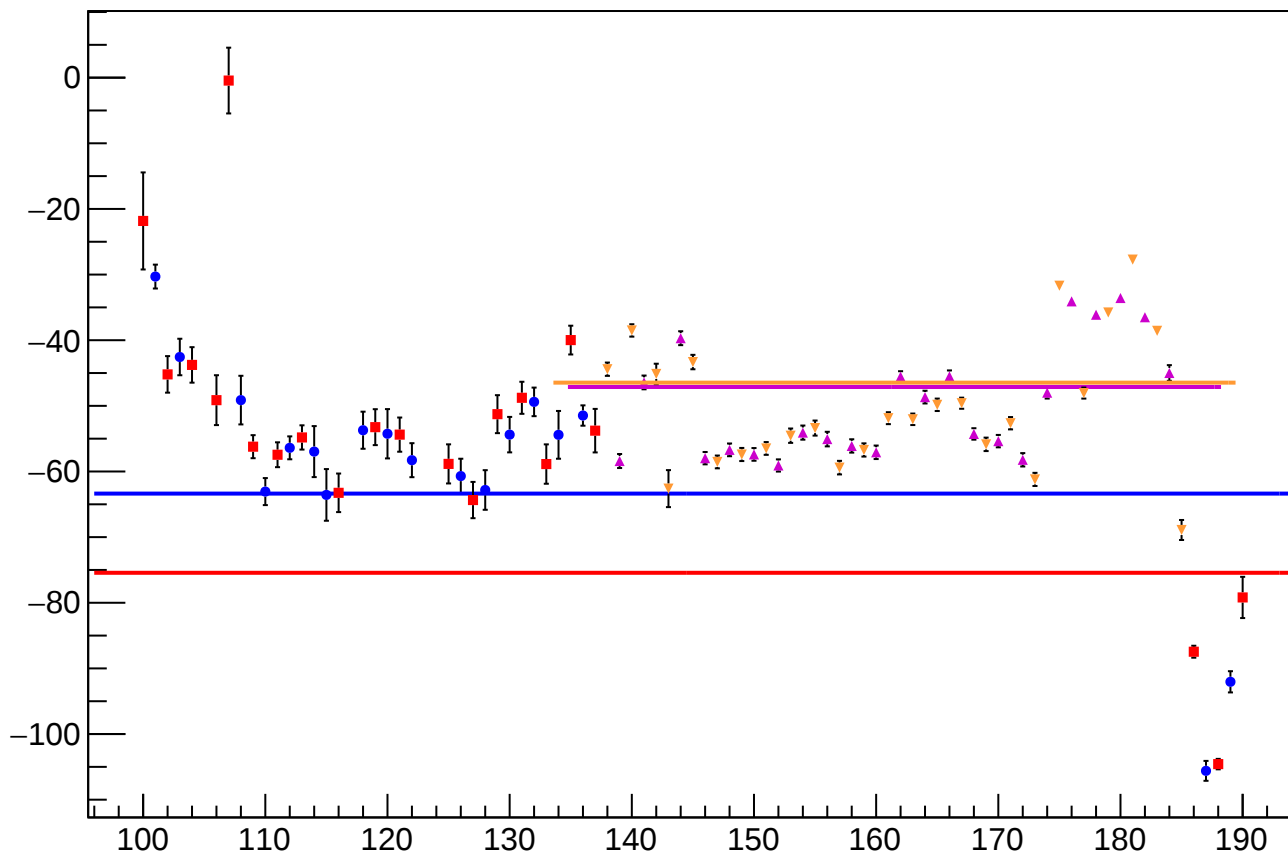
Left In: 3.194 ± 0.150 $\chi^2/\text{NDF}: 1295.0/22$

+ sign 2.665 ± 0.135 $\chi^2/\text{NDF}: 1557.6/42$

All: 2.699 ± 0.096 $\chi^2/\text{NDF}: 2966.4/86$

- sign 2.734 ± 0.137 $\chi^2/\text{NDF}: 1408.7/43$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -63.367 ± 0.538 χ^2/NDF : 1650.7/17

Left Out: -46.463 ± 0.186 χ^2/NDF : 3319.7/24

Right Out: -75.433 ± 0.426 χ^2/NDF : 3143.7/20

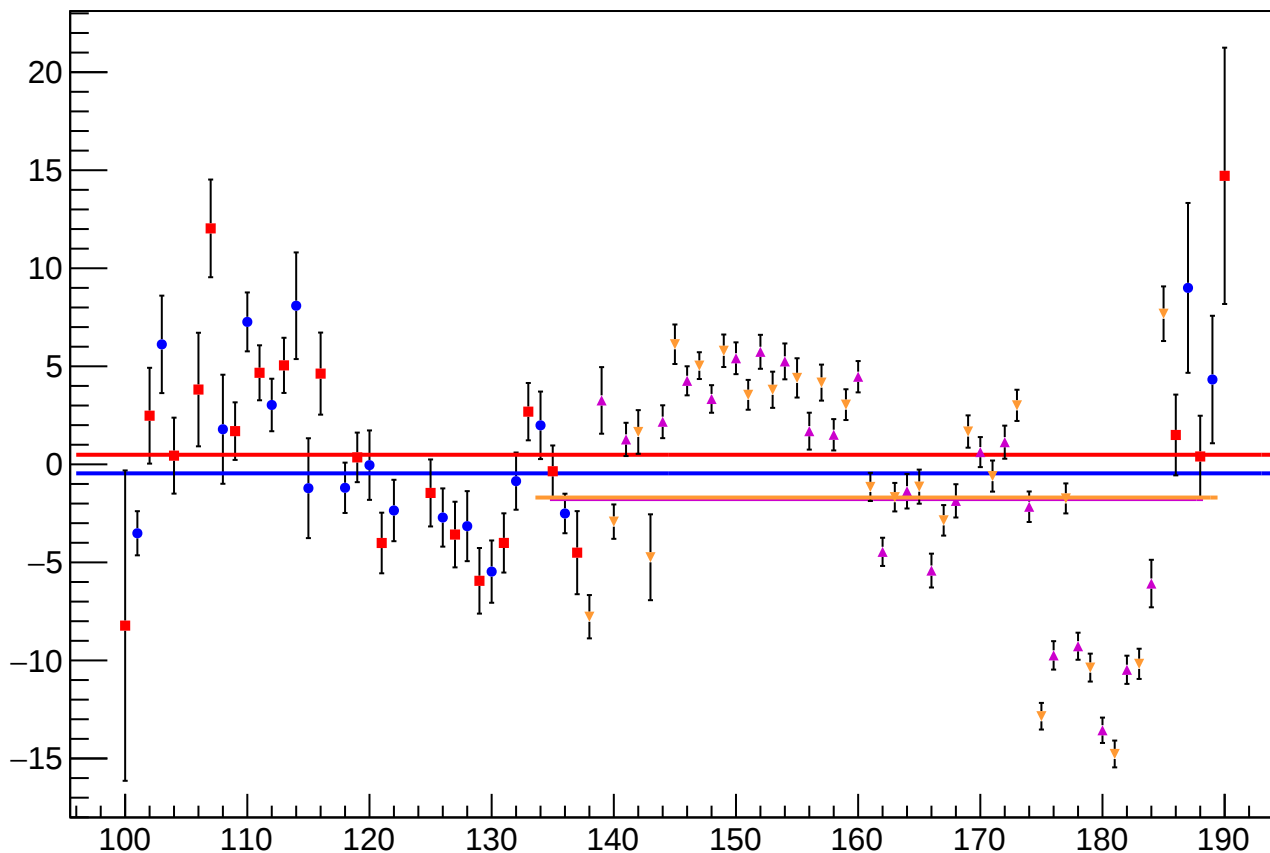
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -48.271 ± 0.176 χ^2/NDF : 5852.2/42

All: -50.033 ± 0.123 χ^2/NDF : 15404.9/86

- sign -51.705 ± 0.171 χ^2/NDF : 9357.2/43

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.459 ± 0.383 χ^2/NDF : 87.8/17

Left Out: -1.693 ± 0.167 χ^2/NDF : 1485.7/24

Right Out: 0.489 ± 0.385 χ^2/NDF : 101.2/20

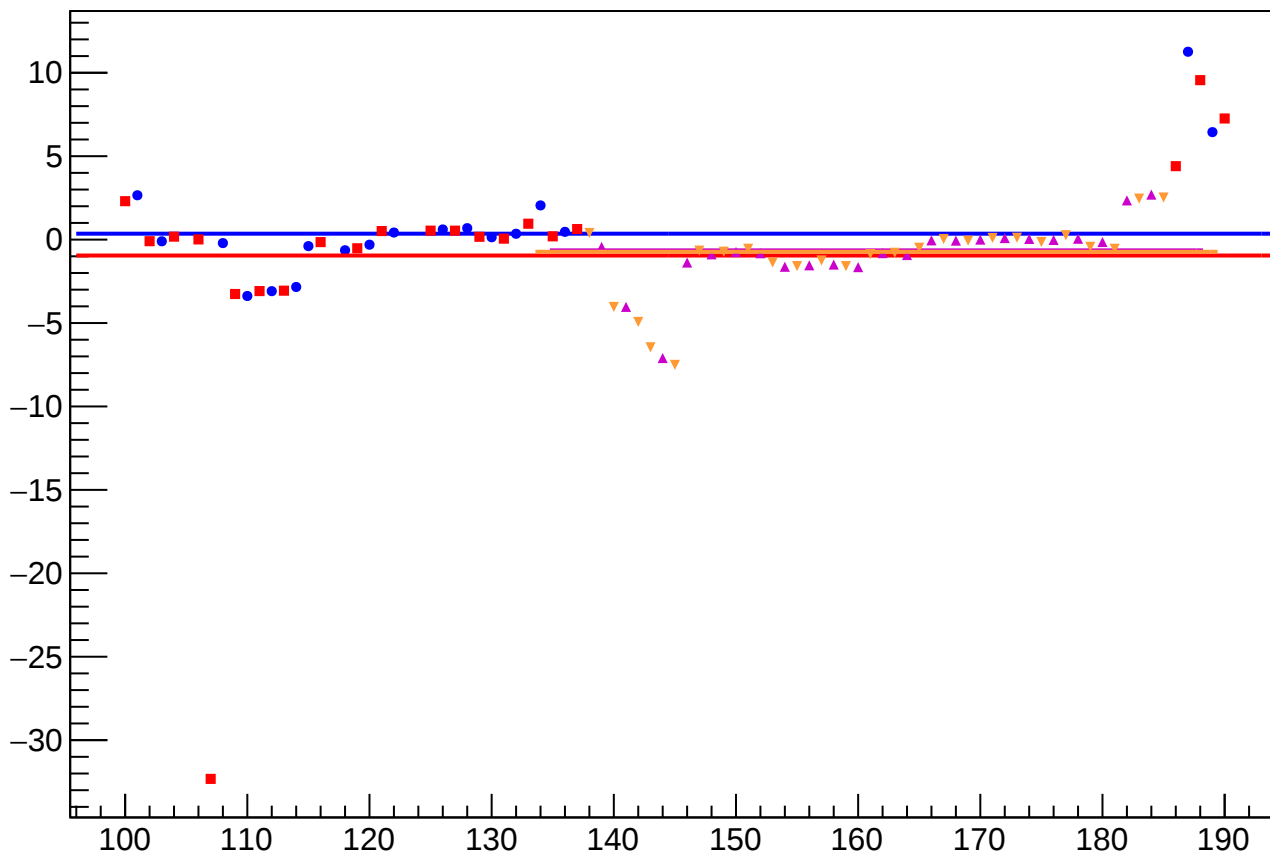
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.497 ± 0.153 χ^2/NDF : 1582.2/42

All: -1.452 ± 0.109 χ^2/NDF : 2963.7/86

- sign -1.407 ± 0.155 χ^2/NDF : 1381.3/43

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.355 ± 0.021 χ^2/NDF : 9091.3/17

Left Out: -0.728 ± 0.008 χ^2/NDF : 56403.8/24

Right Out: -0.953 ± 0.021 χ^2/NDF : 92229.3/20

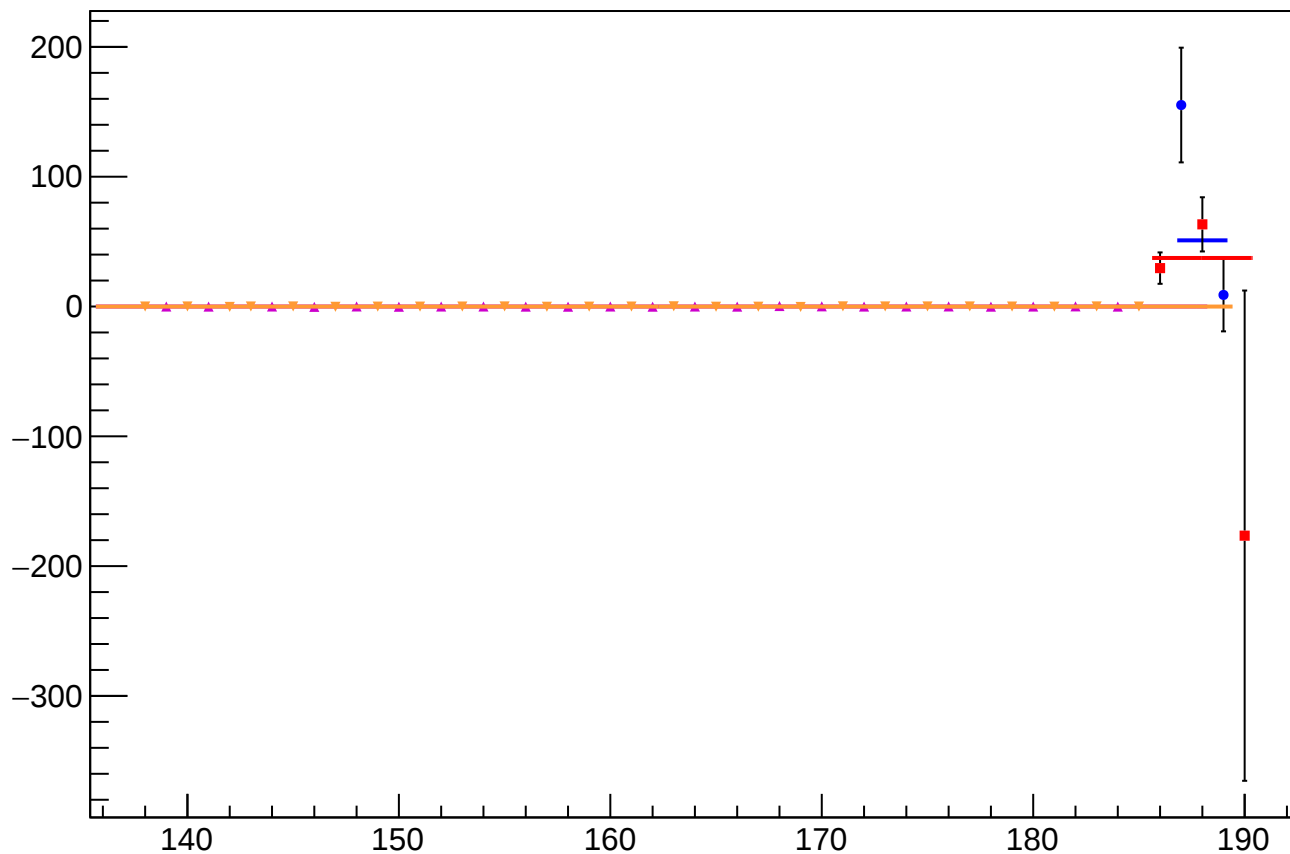
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.604 ± 0.007 χ^2/NDF : 67793.0/42

All: -0.642 ± 0.005 χ^2/NDF : 204437.9/86

- sign -0.680 ± 0.007 χ^2/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

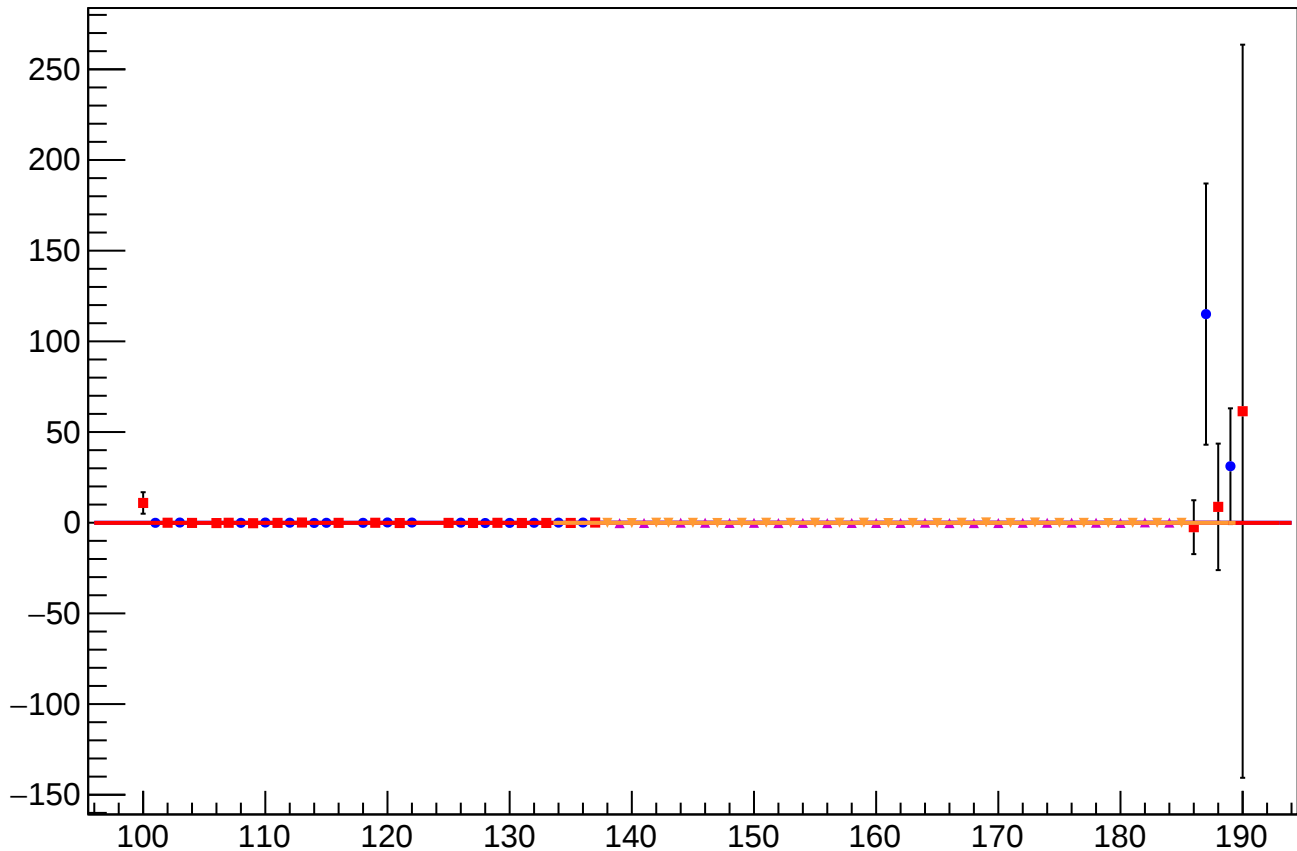
Left In: -0.010 $\pm$ 0.018 χ^2 /NDF: 35.1/22

+ 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

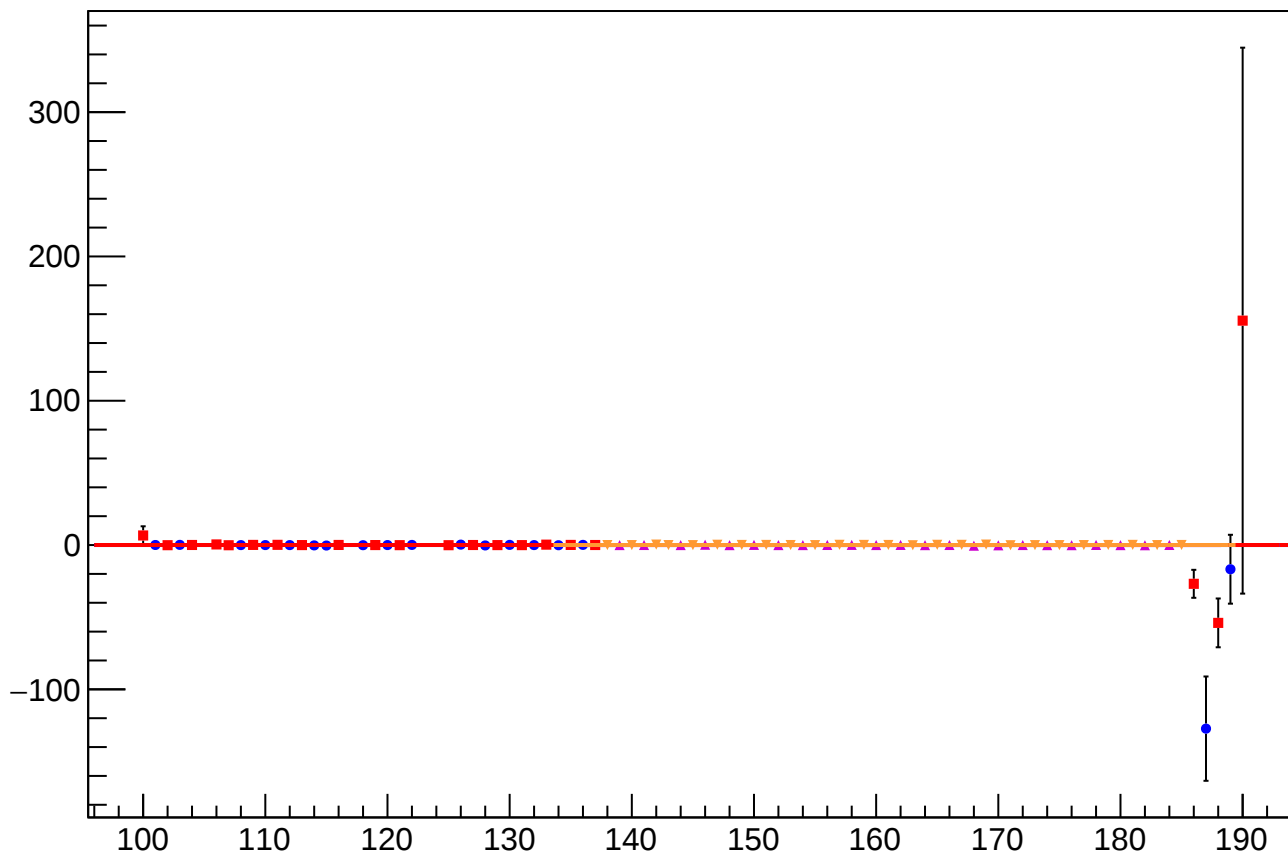
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ 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 $\pm$ 0.043 χ^2 /NDF: 22.0/17

Left Out: 0.033 $\pm$ 0.018 χ^2 /NDF:32.6/24

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 27.6/20

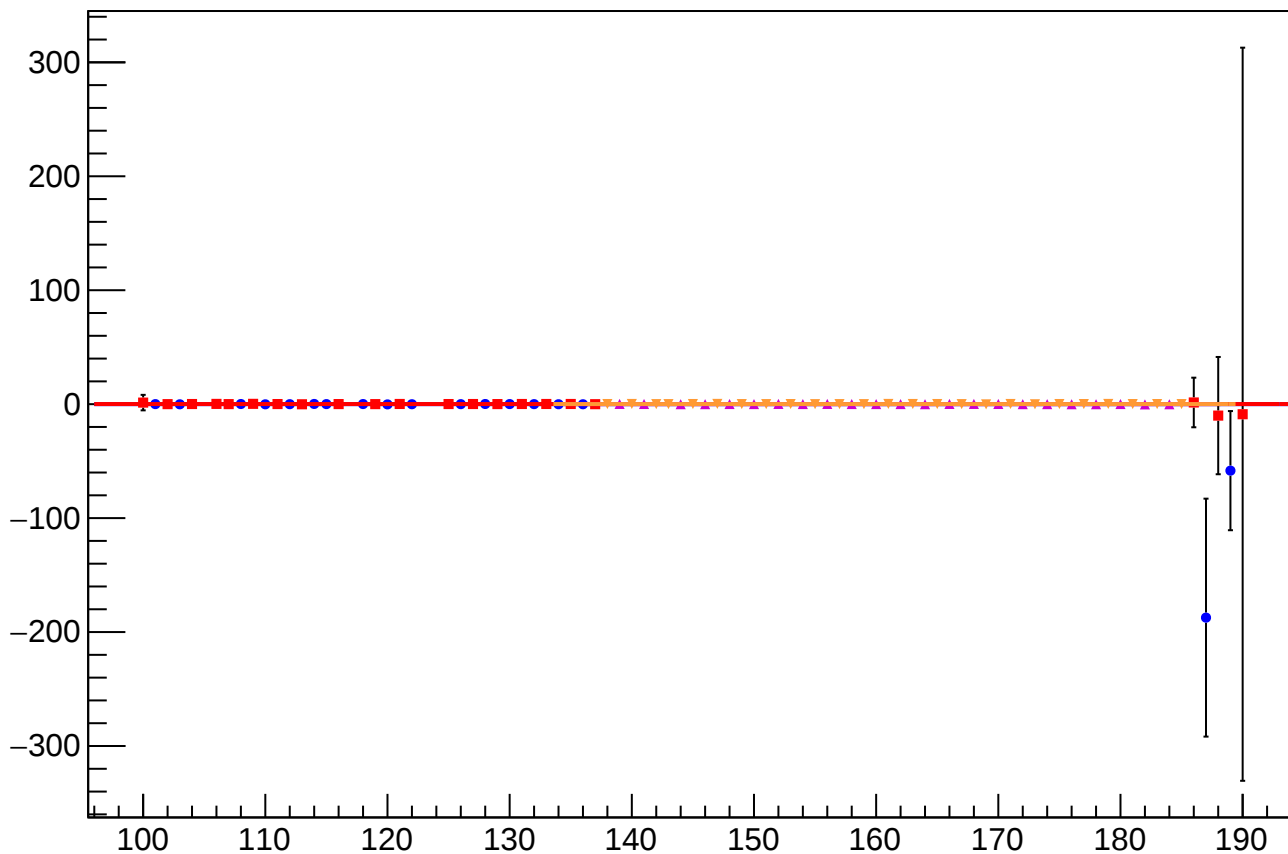
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.031 $\pm$ 0.016 χ^2 /NDF: 54.7/42

All: 0.014 $\pm$ 0.012 χ^2 /NDF: 122.0/86

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 65.1/43

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008+/-0.027 χ^2/NDF : 16.2/17

Left Out: 0.084+/-0.016 χ^2/NDF : 28.1/24

Right Out: 0.105+/-0.029 χ^2/NDF : 8.2/20

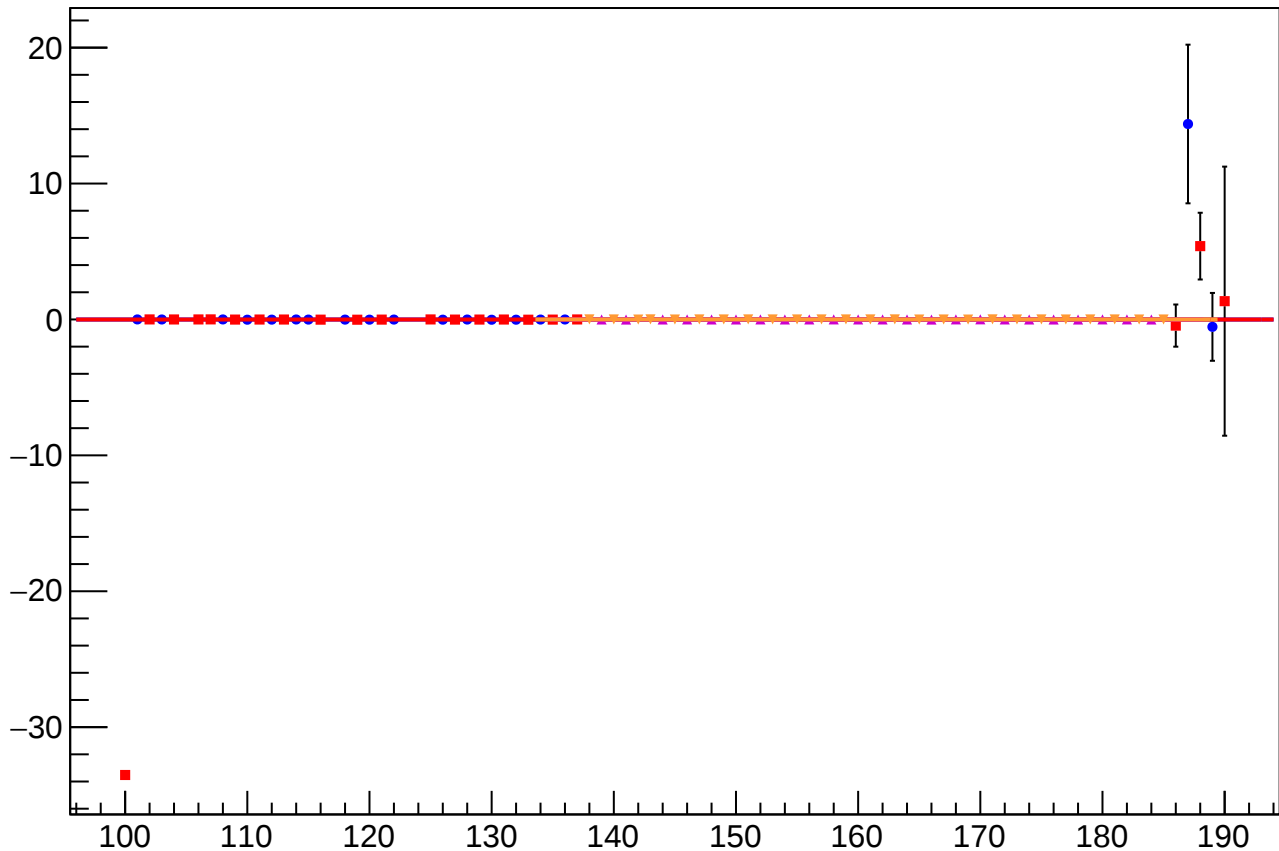
Left In: 0.070+/-0.016 χ^2/NDF : 44.8/22

+ sign 0.065+/-0.014 χ^2/NDF : 50.1/42

All: 0.071+/-0.010 χ^2/NDF : 104.7/86

- sign 0.078+/-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

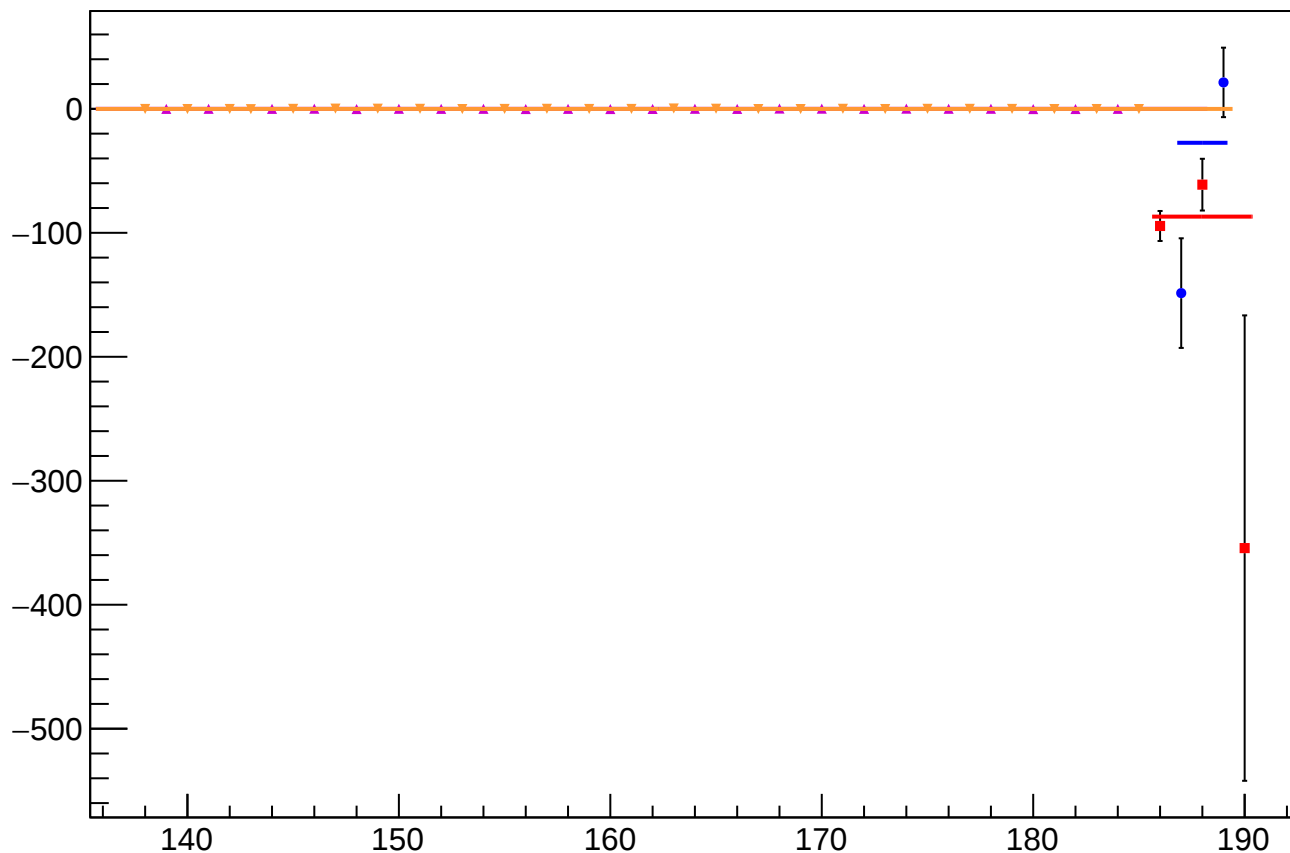
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 67.6/42

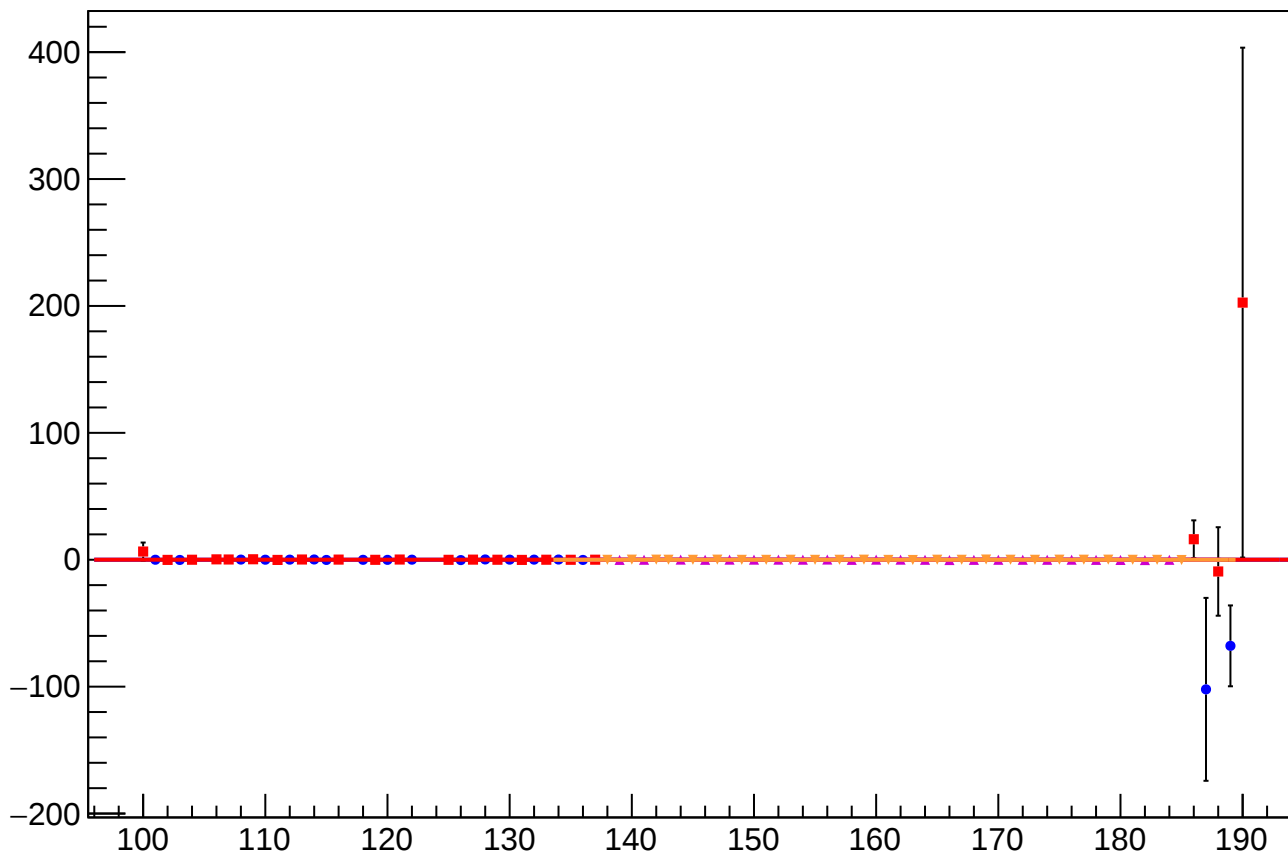
All: -0.001 ± 0.000 χ^2/NDF : 26618.0/86

- sign -0.001 ± 0.001 χ^2/NDF : 26550.1/43

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

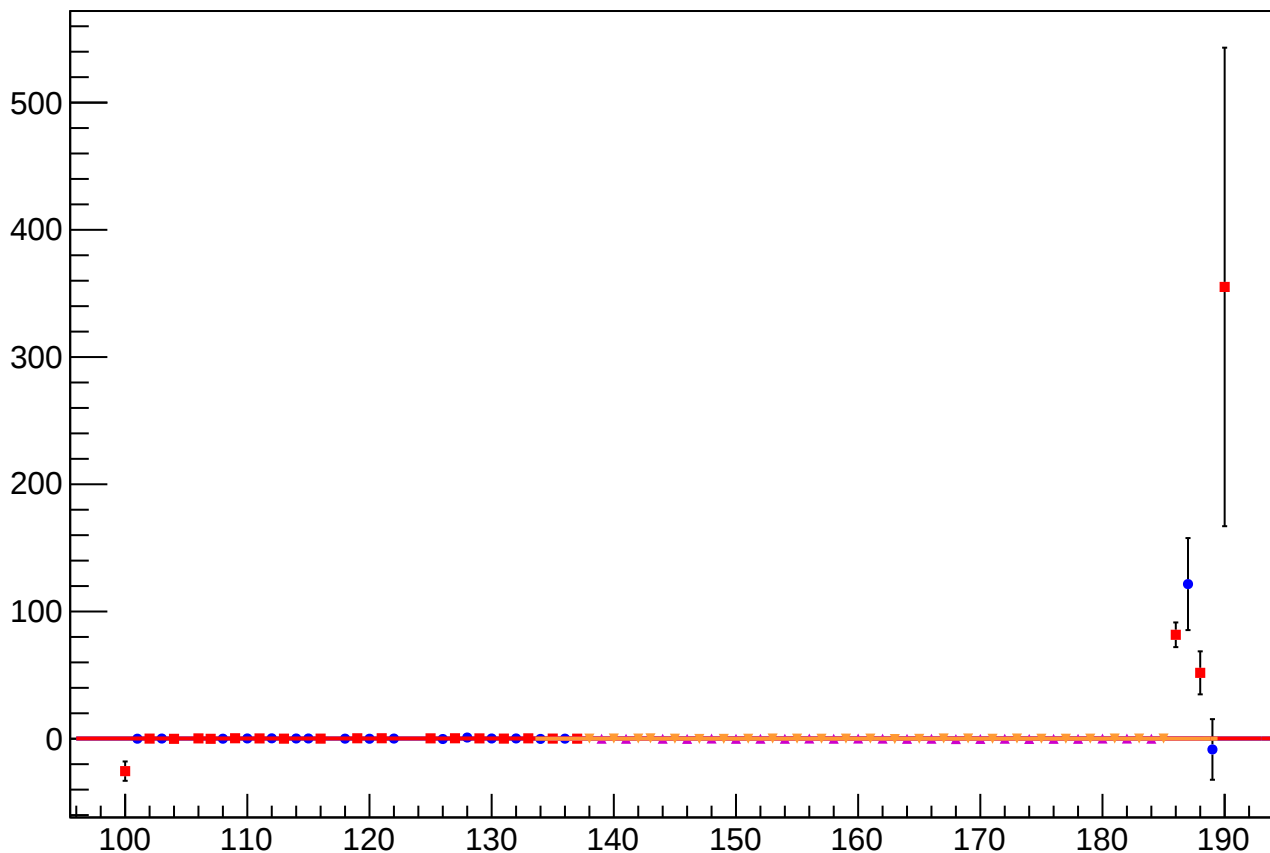
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ 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 $\chi^2/\text{NDF}: 105.5/20$

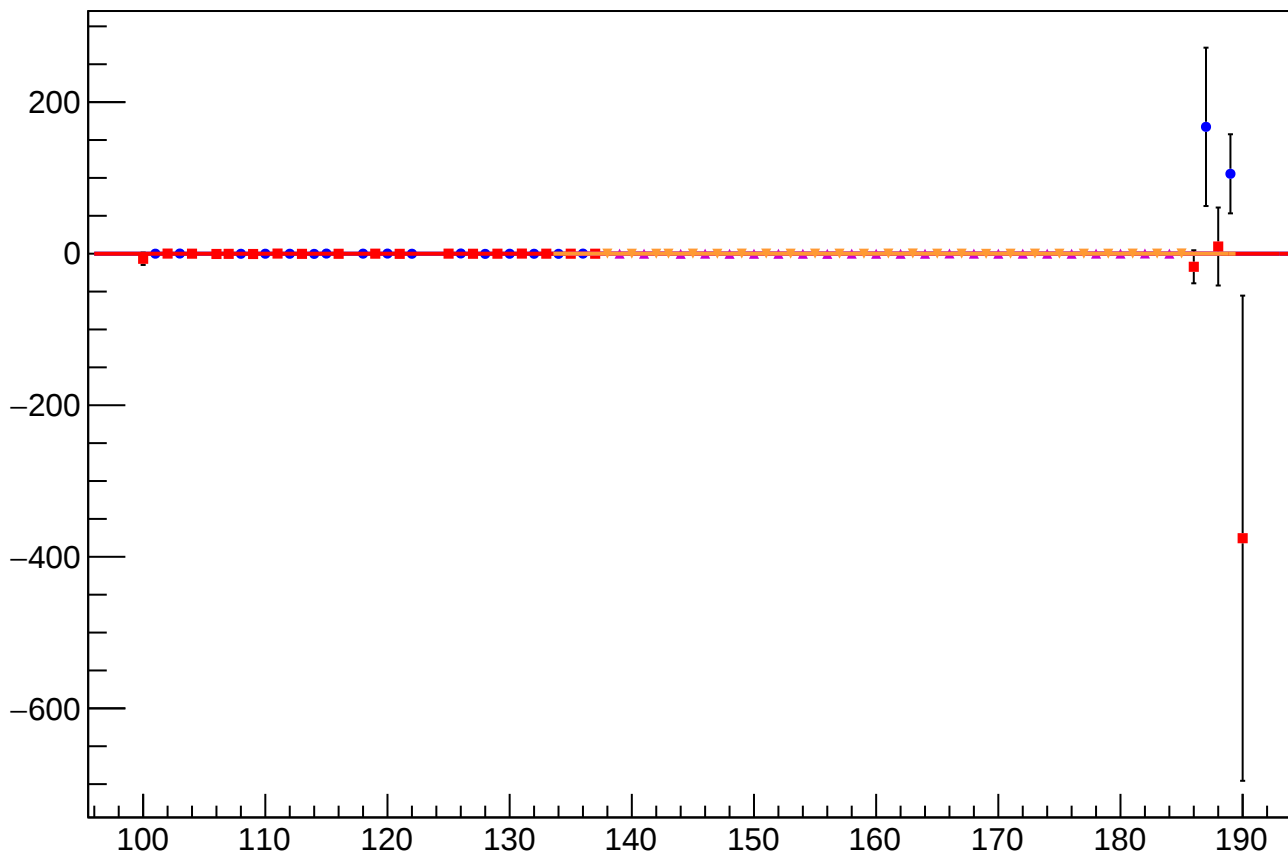
Left In: 0.020 ± 0.018 $\chi^2/\text{NDF}: 35.8/22$

+ 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

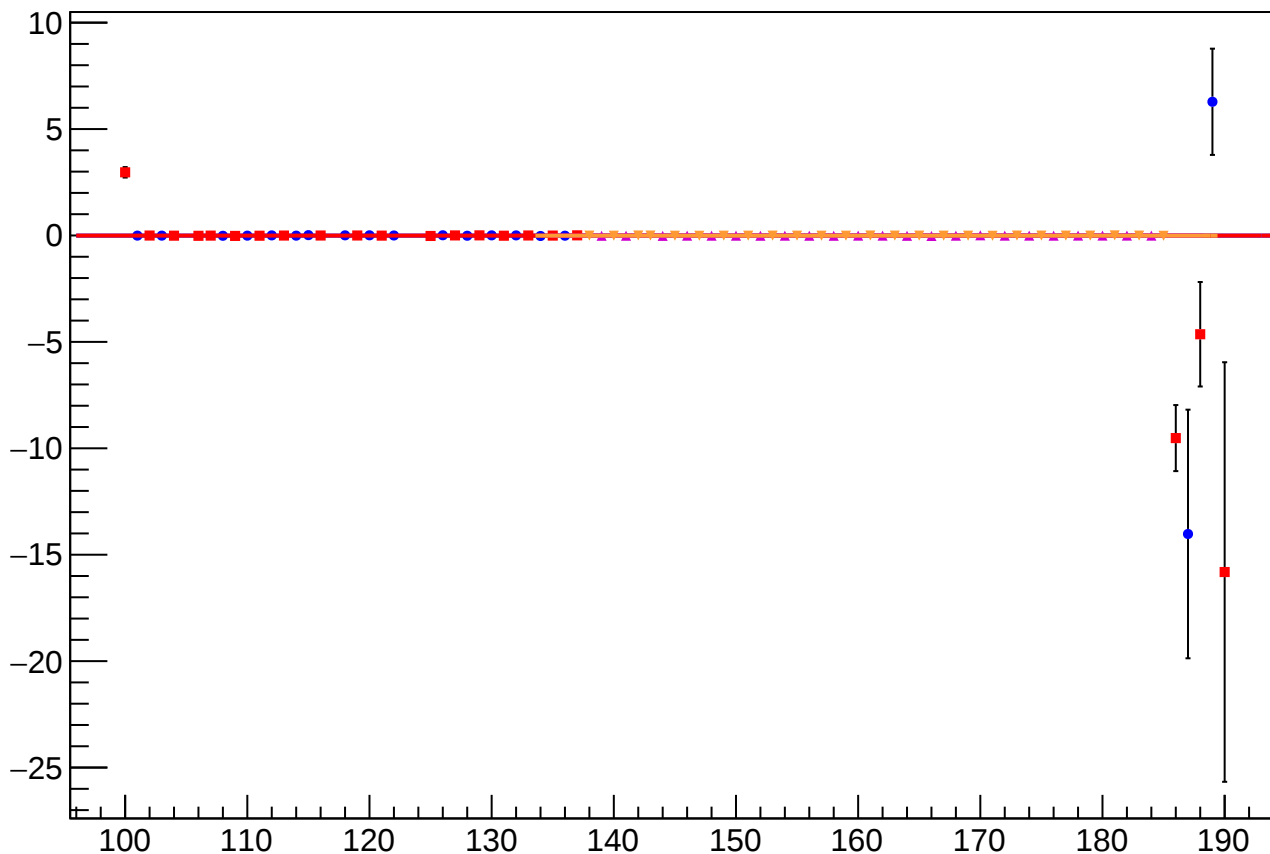
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ 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

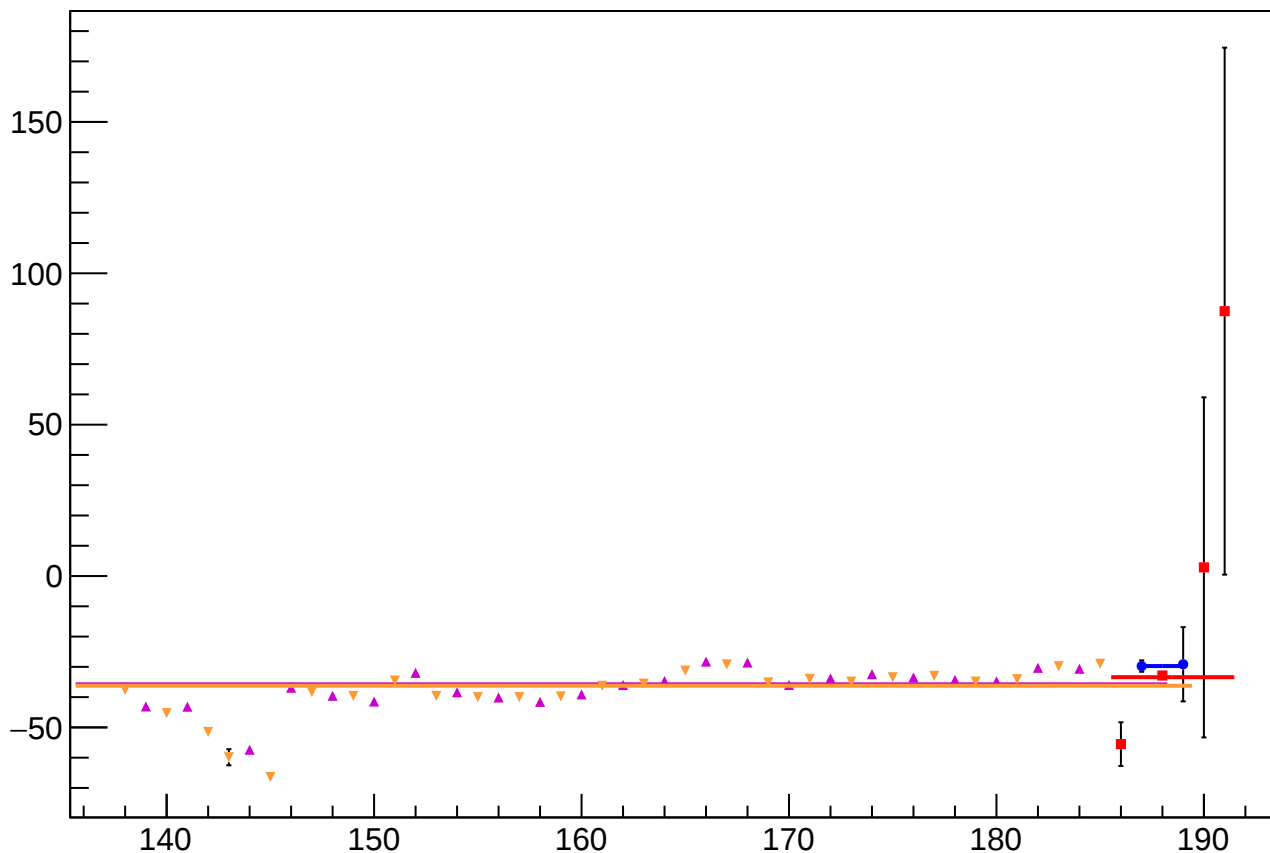
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ 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: -33.413 ± 1.164 χ^2/NDF : 11.9/3

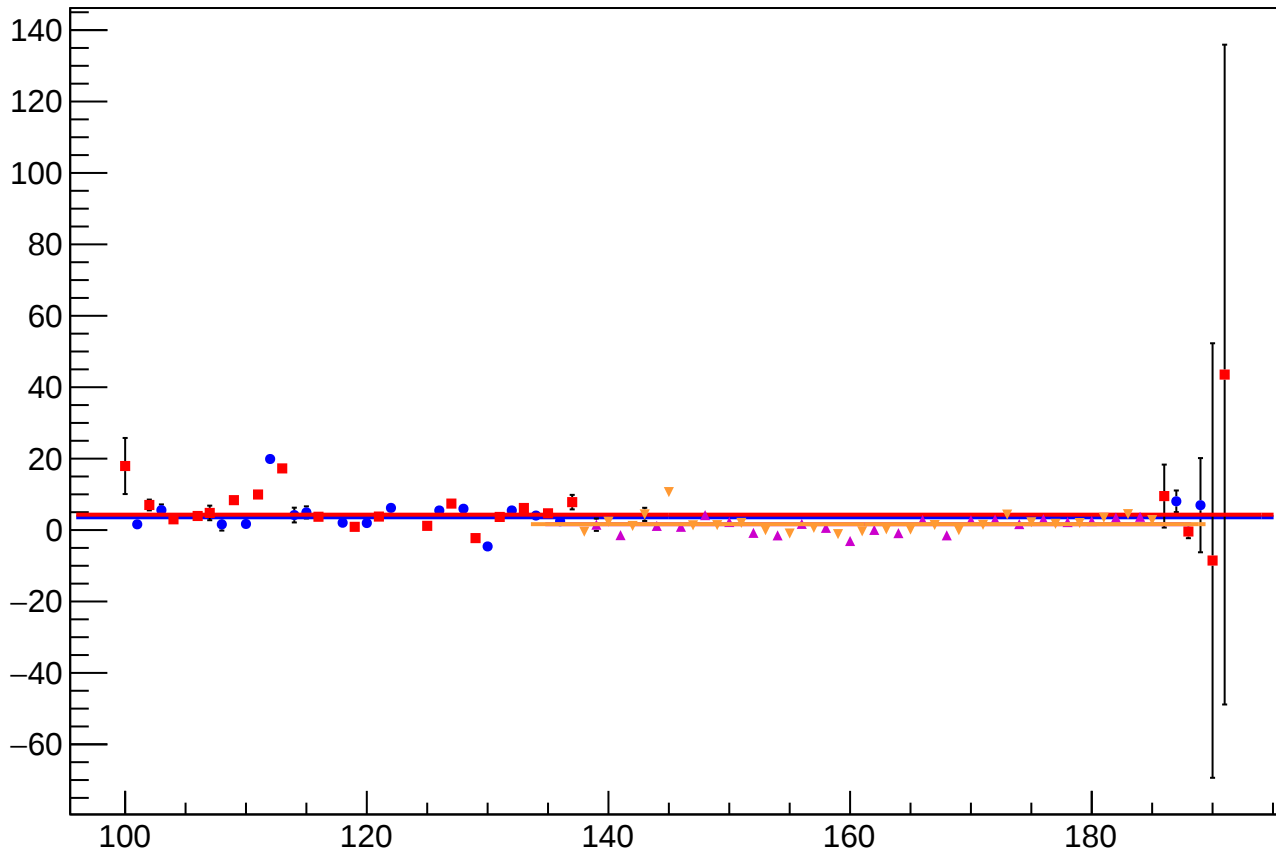
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -36.174 ± 0.190 χ^2/NDF : 1206.1/26

All: -35.944 ± 0.134 χ^2/NDF : 2079.1/53

- sign -35.717 ± 0.189 χ^2/NDF : 870.1/26

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 : 360.1/21

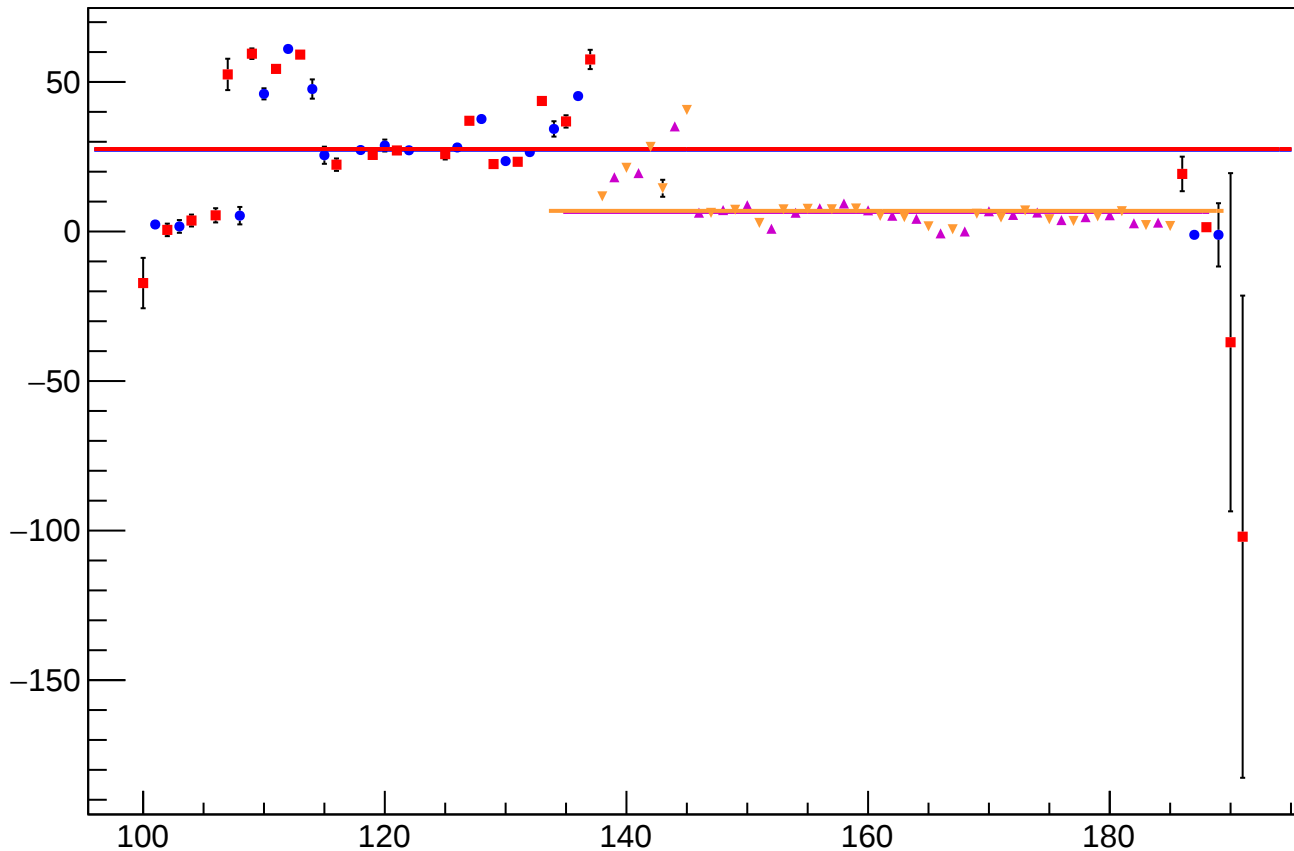
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.247 ± 0.122 χ^2/NDF : 663.8/42

All: 2.355 ± 0.087 χ^2/NDF : 1287.1/87

- sign 2.466 ± 0.124 χ^2/NDF : 621.8/44

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 27.331 ± 0.405 χ^2/NDF : 1864.1/17

Left Out: 6.900 ± 0.191 χ^2/NDF : 1302.8/24

Right Out: 27.583 ± 0.386 χ^2/NDF : 2568.8/21

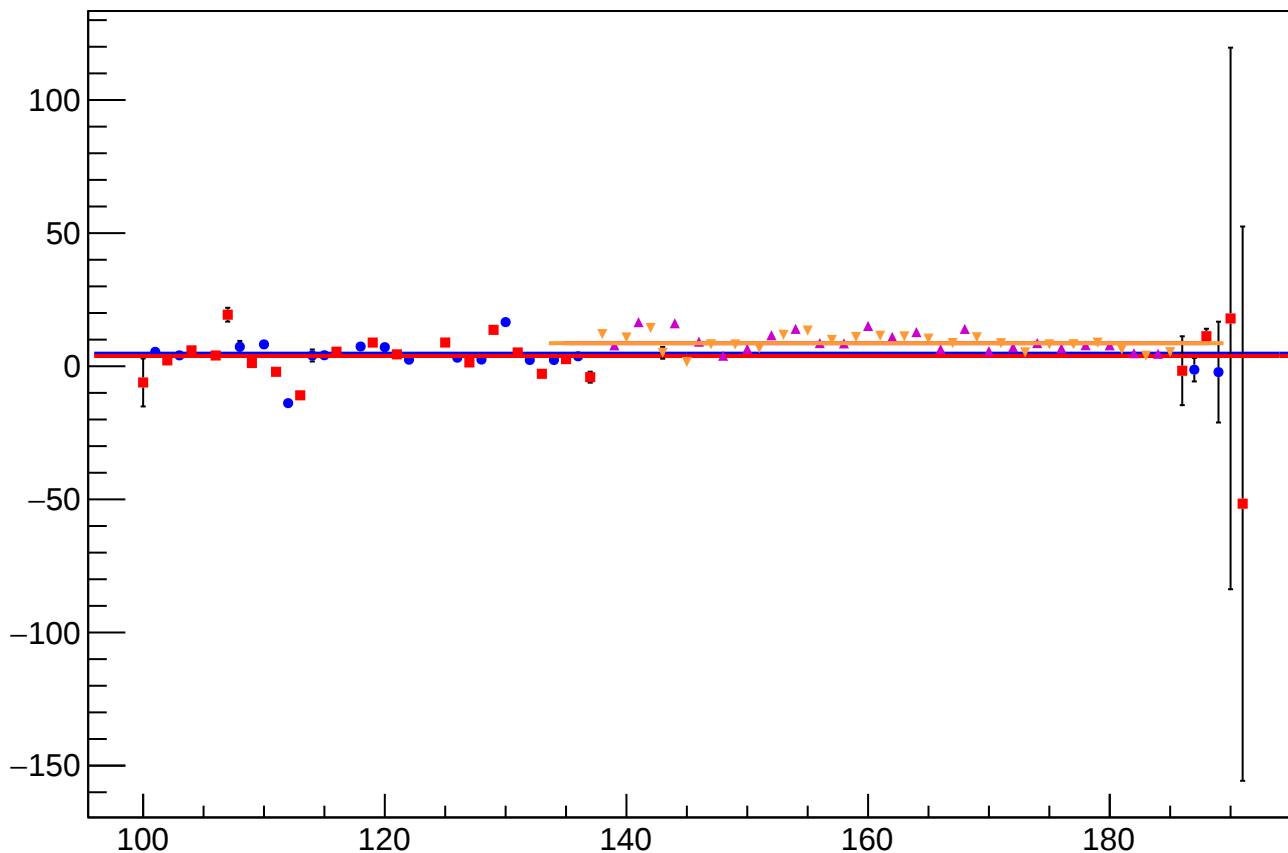
Left In: 6.537 ± 0.190 χ^2/NDF : 1025.1/22

+ sign 10.613 ± 0.173 χ^2/NDF : 5247.1/42

All: 10.632 ± 0.121 χ^2/NDF : 11229.7/87

- sign 10.650 ± 0.171 χ^2/NDF : 5982.6/44

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.729 ± 0.254 χ^2/NDF : 548.6/17

Left Out: 8.674 ± 0.168 χ^2/NDF : 243.7/24

Right Out: 3.850 ± 0.258 χ^2/NDF : 572.3/21

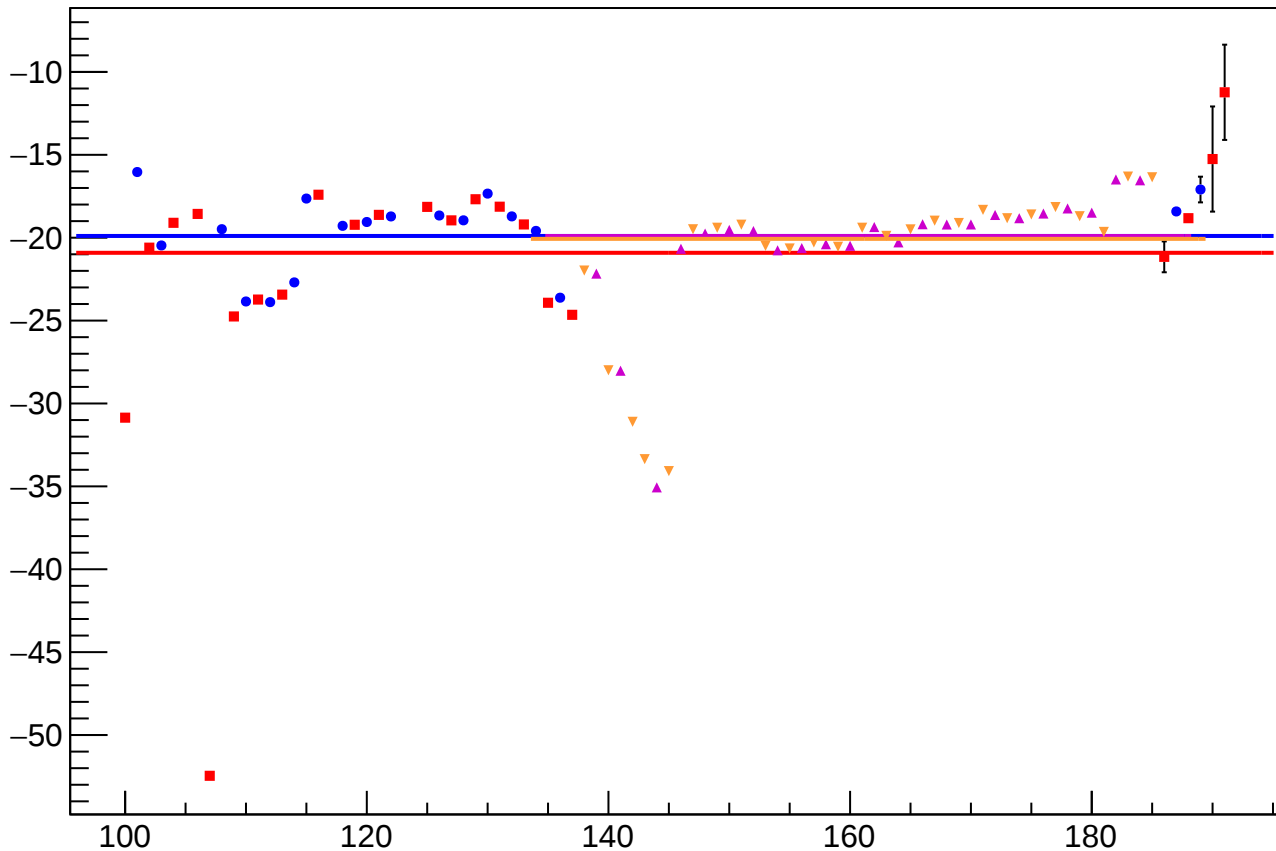
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.469 ± 0.140 χ^2/NDF : 959.7/42

All: 7.339 ± 0.100 χ^2/NDF : 2213.7/87

- sign 7.206 ± 0.142 χ^2/NDF : 1252.3/44

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 $\chi^2/\text{NDF}: 94217.2/21$

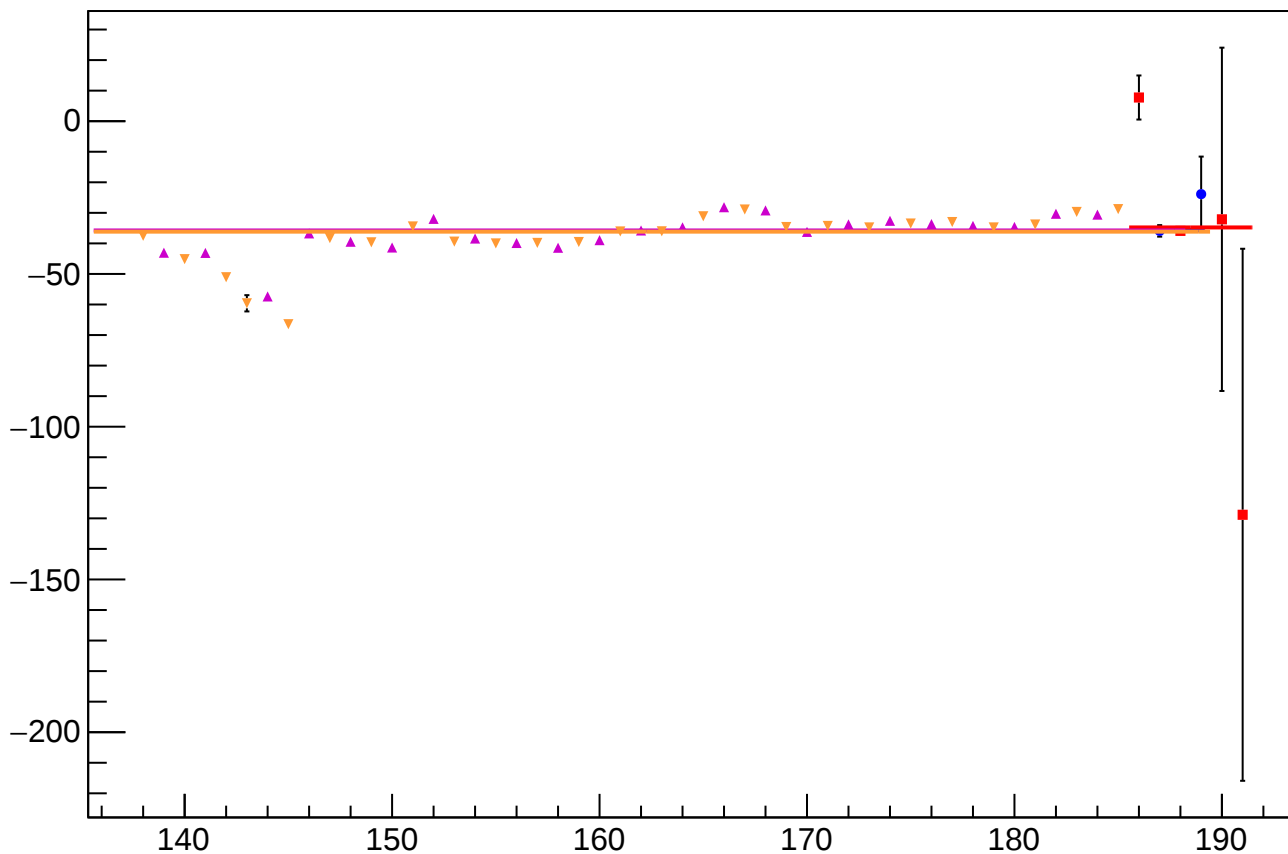
Left In: -19.898 ± 0.008 $\chi^2/\text{NDF}: 144191.9/22$

+ sign -20.034 ± 0.007 $\chi^2/\text{NDF}: 211541.3/42$

All: -20.068 ± 0.005 $\chi^2/\text{NDF}: 453344.5/87$

- sign -20.101 ± 0.007 $\chi^2/\text{NDF}: 241756.9/44$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -35.630 ± 1.860 χ^2/NDF : 0.9/1

Left Out: -36.152 ± 0.191 χ^2/NDF : 1199.2/24

Right Out: -34.778 ± 1.167 χ^2/NDF : 36.9/3

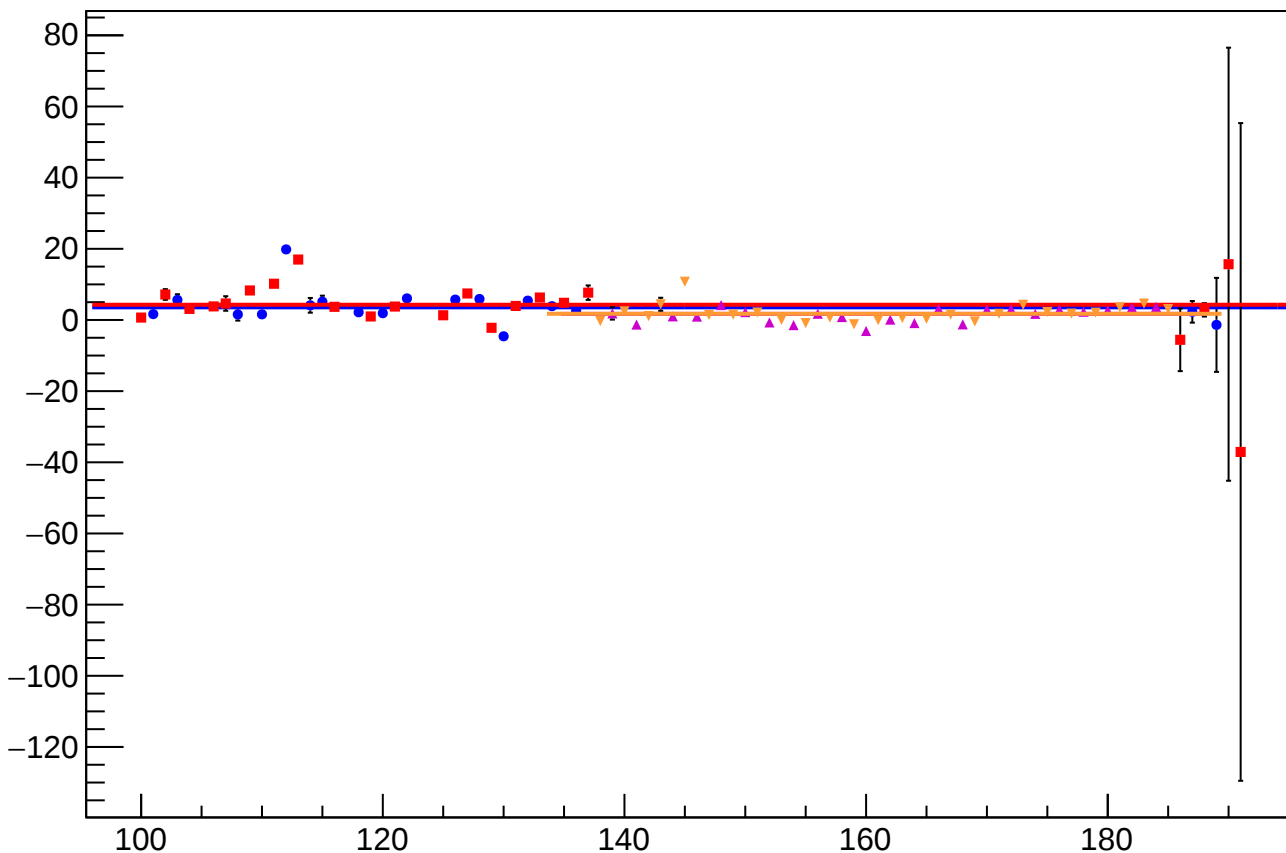
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -36.147 ± 0.190 χ^2/NDF : 1200.2/26

All: -35.942 ± 0.134 χ^2/NDF : 2082.7/53

- sign -35.741 ± 0.189 χ^2/NDF : 880.1/26

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 : 354.2/21

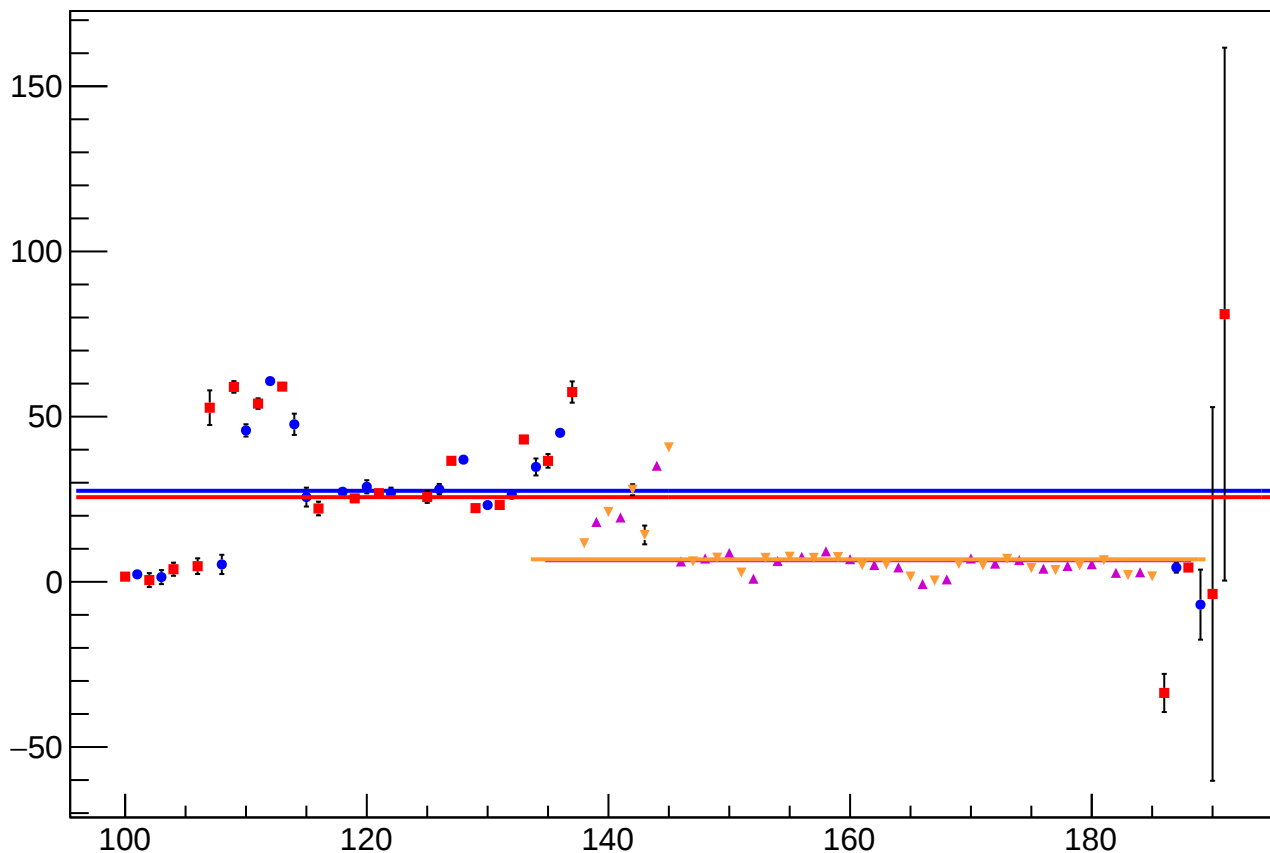
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.301 ± 0.122 χ^2/NDF : 654.5/42

All: 2.409 ± 0.087 χ^2/NDF : 1267.2/87

- sign 2.519 ± 0.124 χ^2/NDF : 611.1/44

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 27.552 ± 0.405 χ^2/NDF : 1737.2/17

Left Out: 6.813 ± 0.191 χ^2/NDF : 1304.5/24

Right Out: 25.623 ± 0.371 χ^2/NDF : 2833.1/21

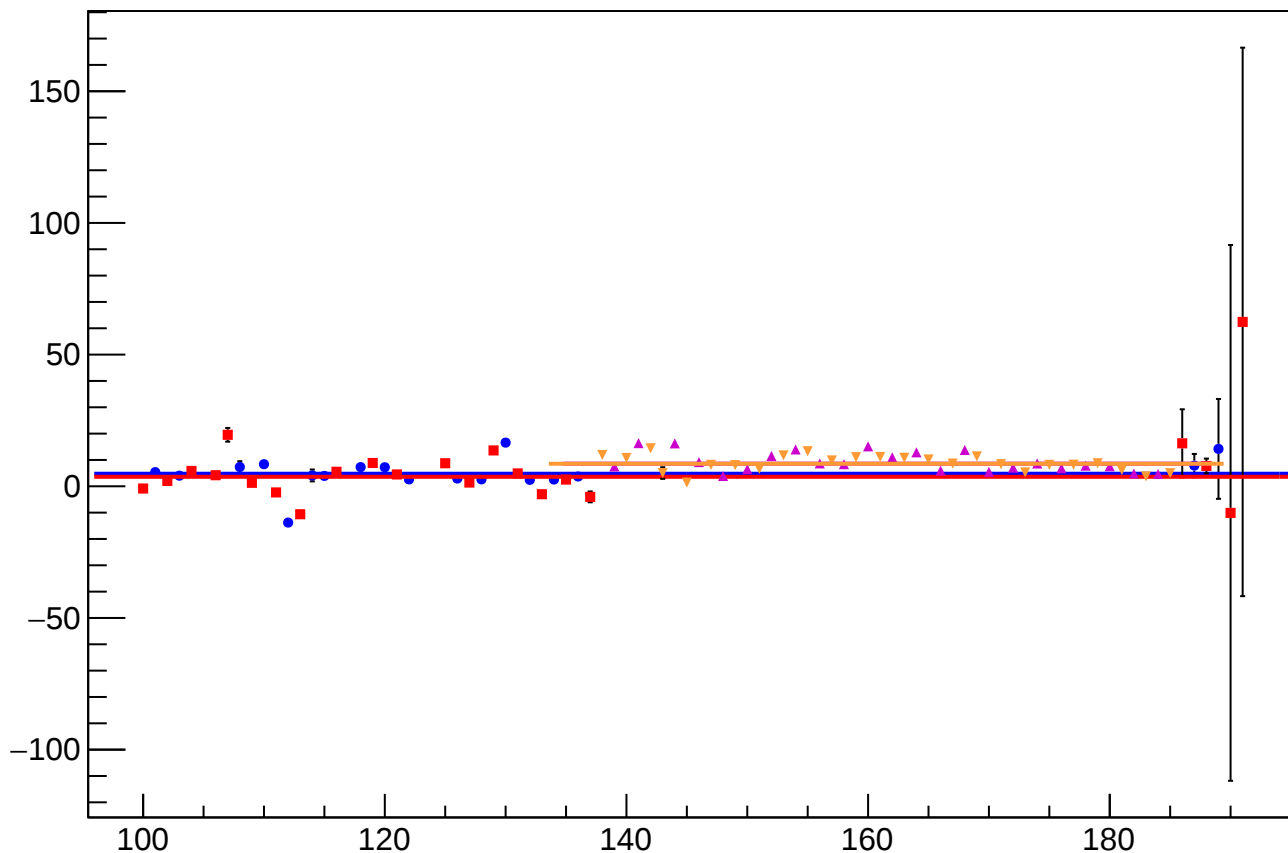
Left In: 6.532 ± 0.190 χ^2/NDF : 1018.2/22

+ sign 10.580 ± 0.173 χ^2/NDF : 5187.1/42

All: 10.546 ± 0.121 χ^2/NDF : 11137.6/87

- sign 10.513 ± 0.169 χ^2/NDF : 5950.5/44

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 : 573.8/21

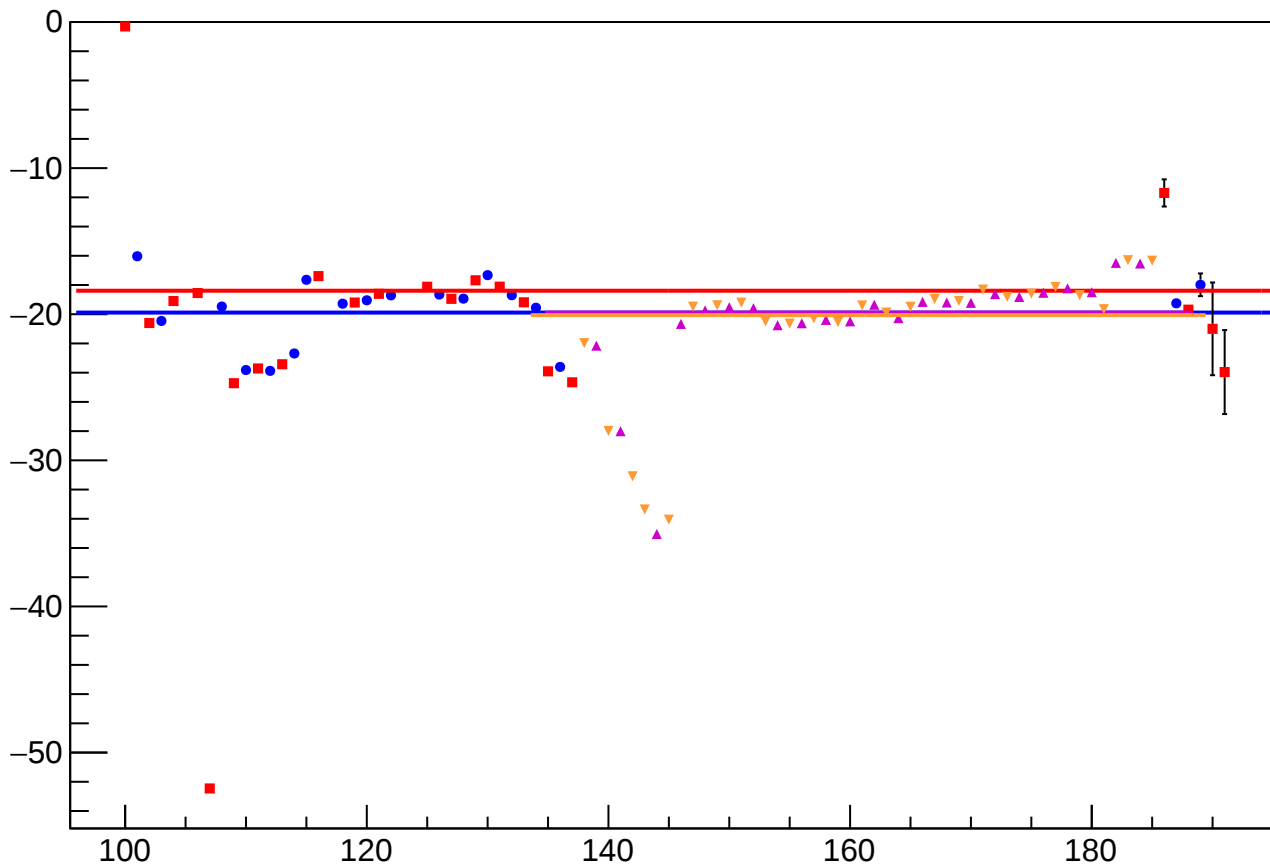
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.403 ± 0.140 χ^2/NDF : 947.7/42

All: 7.223 ± 0.100 χ^2/NDF : 2232.0/87

- sign 7.041 ± 0.141 χ^2/NDF : 1281.0/44

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 : 301147.5/21

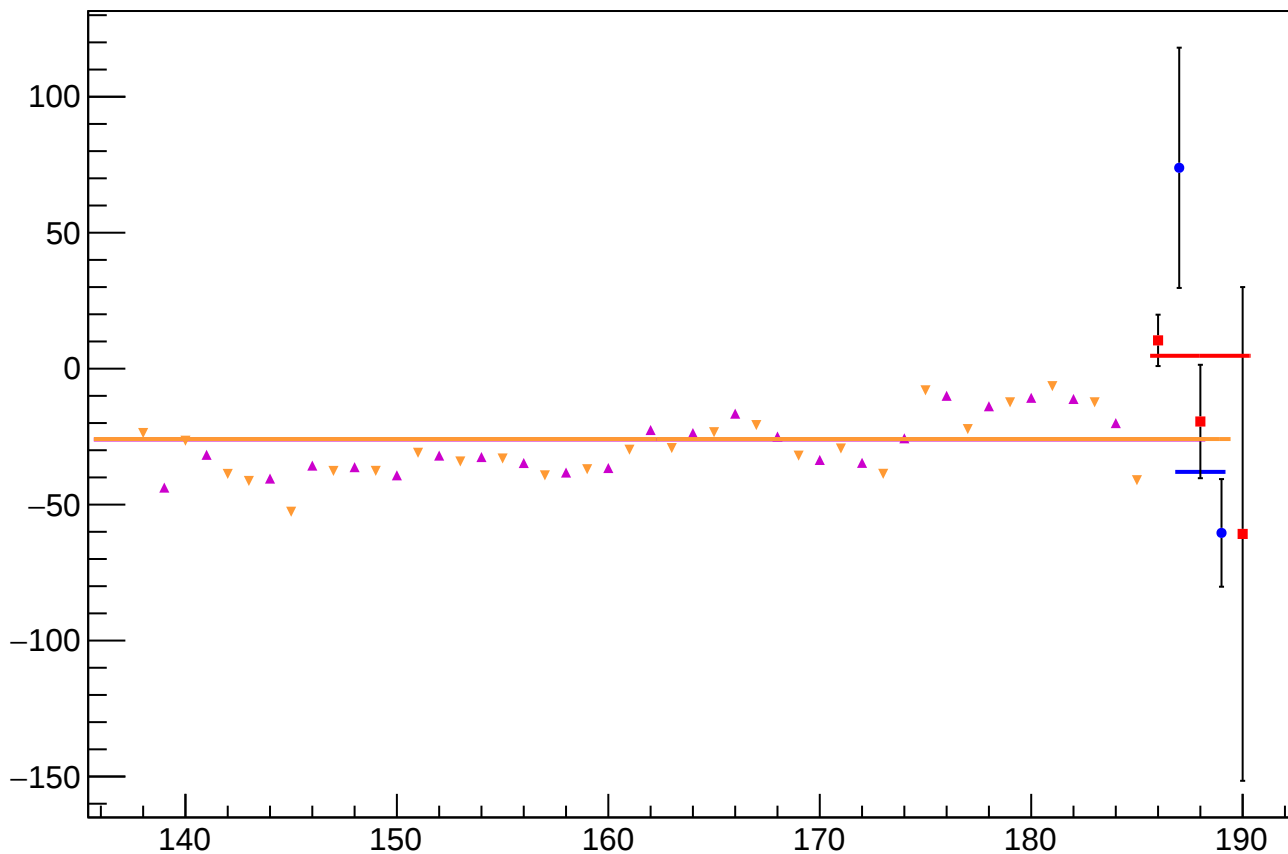
Left In: -19.890 ± 0.008 χ^2/NDF : 144055.2/22

+ sign -20.026 ± 0.007 χ^2/NDF : 211701.7/42

All: -19.788 ± 0.005 χ^2/NDF : 667276.9/87

- sign -19.558 ± 0.007 χ^2/NDF : 453320.8/44

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -37.963 ± 18.063 χ^2/NDF : 7.7/1

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 4.735 ± 8.567 χ^2/NDF : 2.2/2

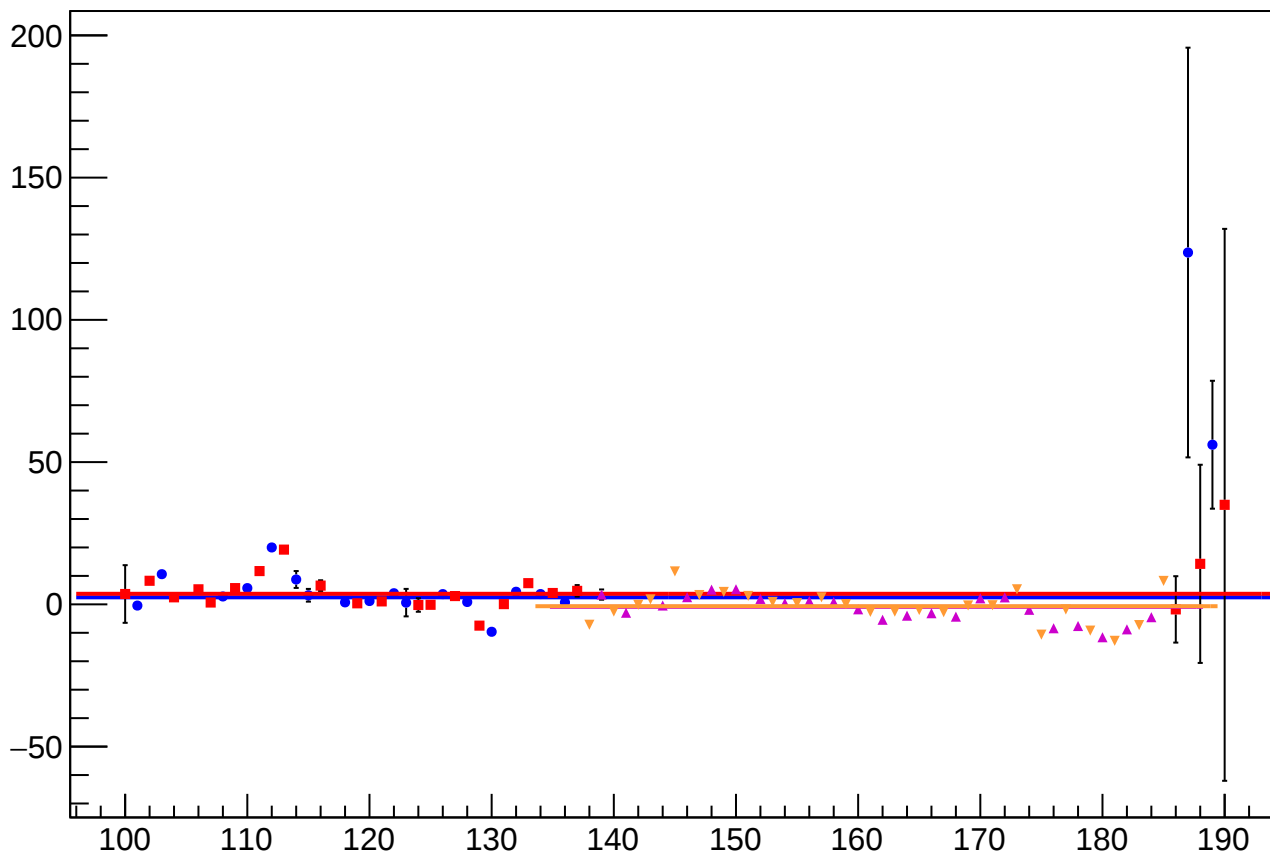
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.886 ± 0.192 χ^2/NDF : 4166.1/26

All: -25.960 ± 0.137 χ^2/NDF : 7461.0/52

- sign -26.036 ± 0.195 χ^2/NDF : 3294.6/25

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

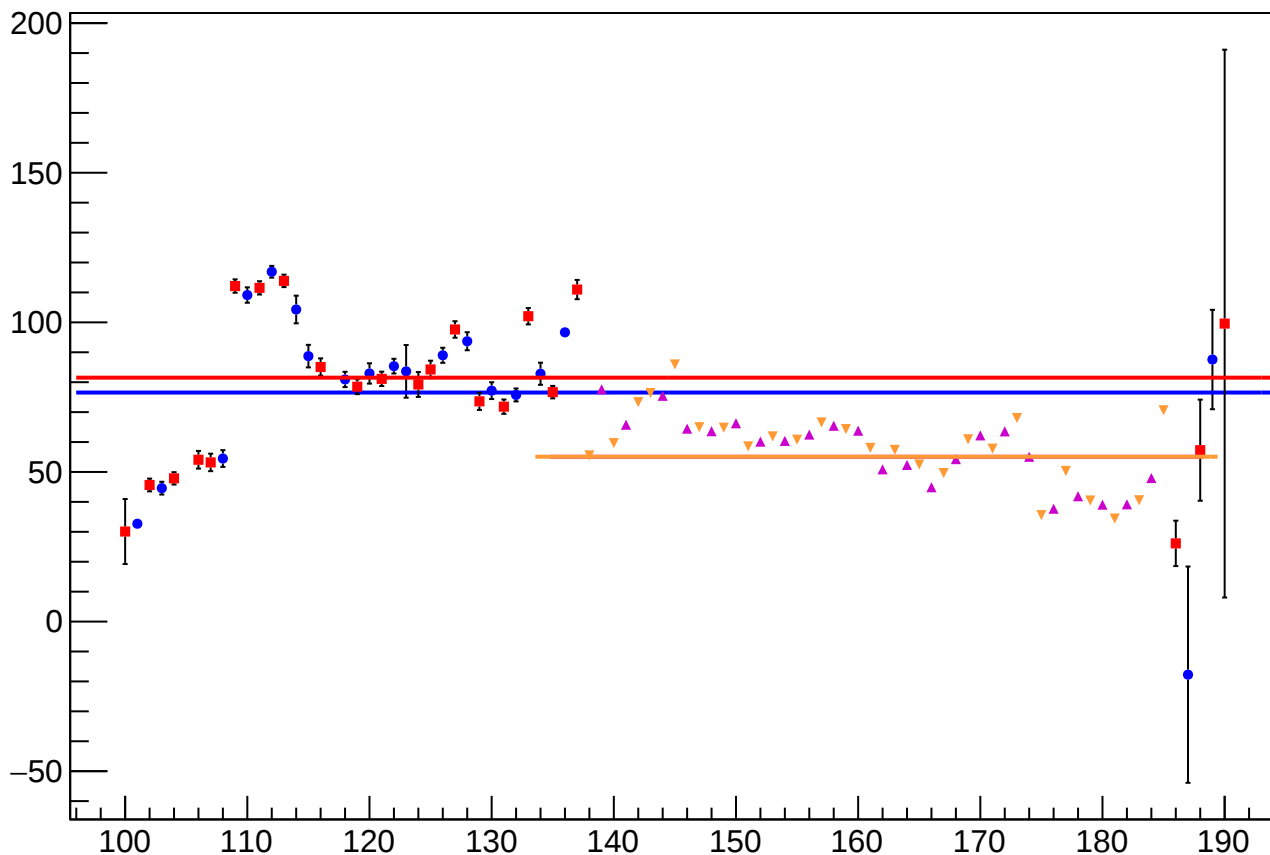
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ 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

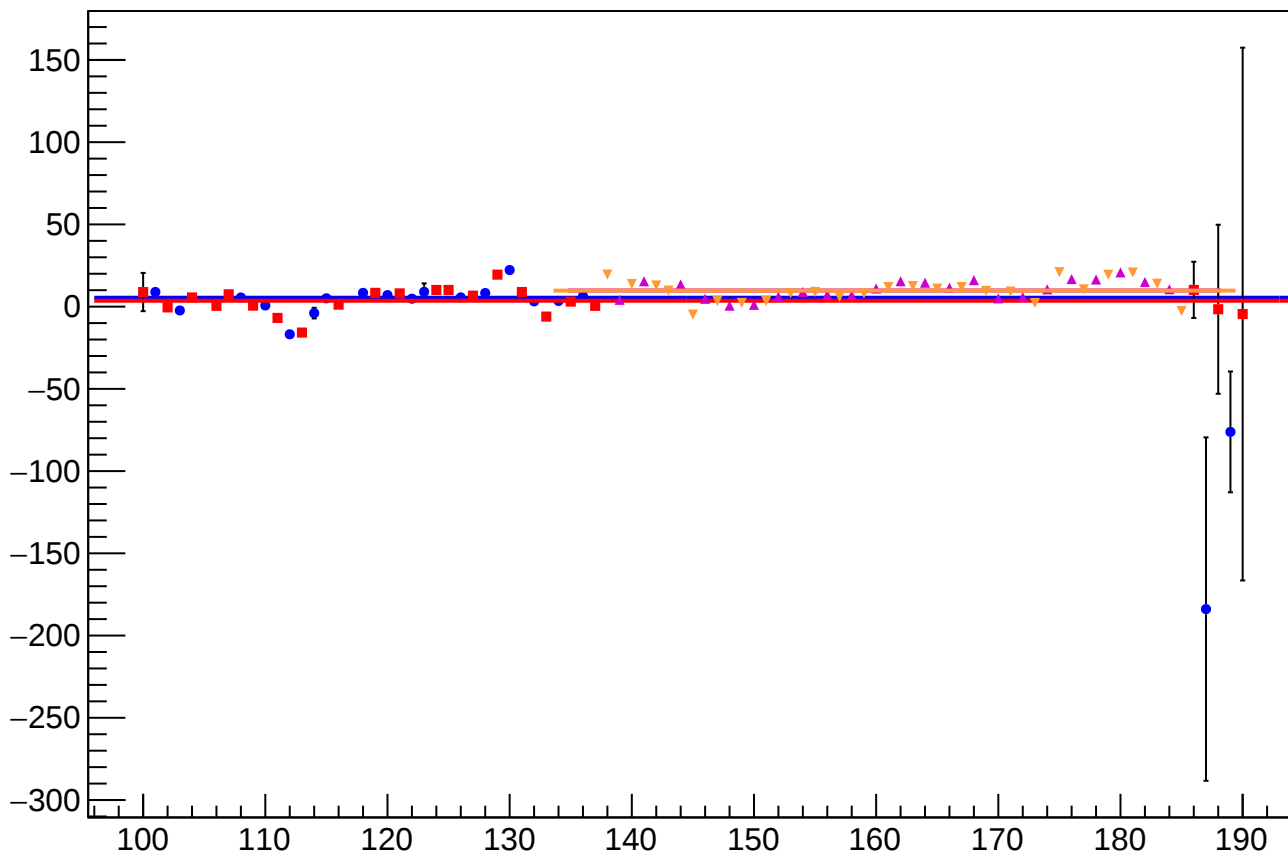
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ 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

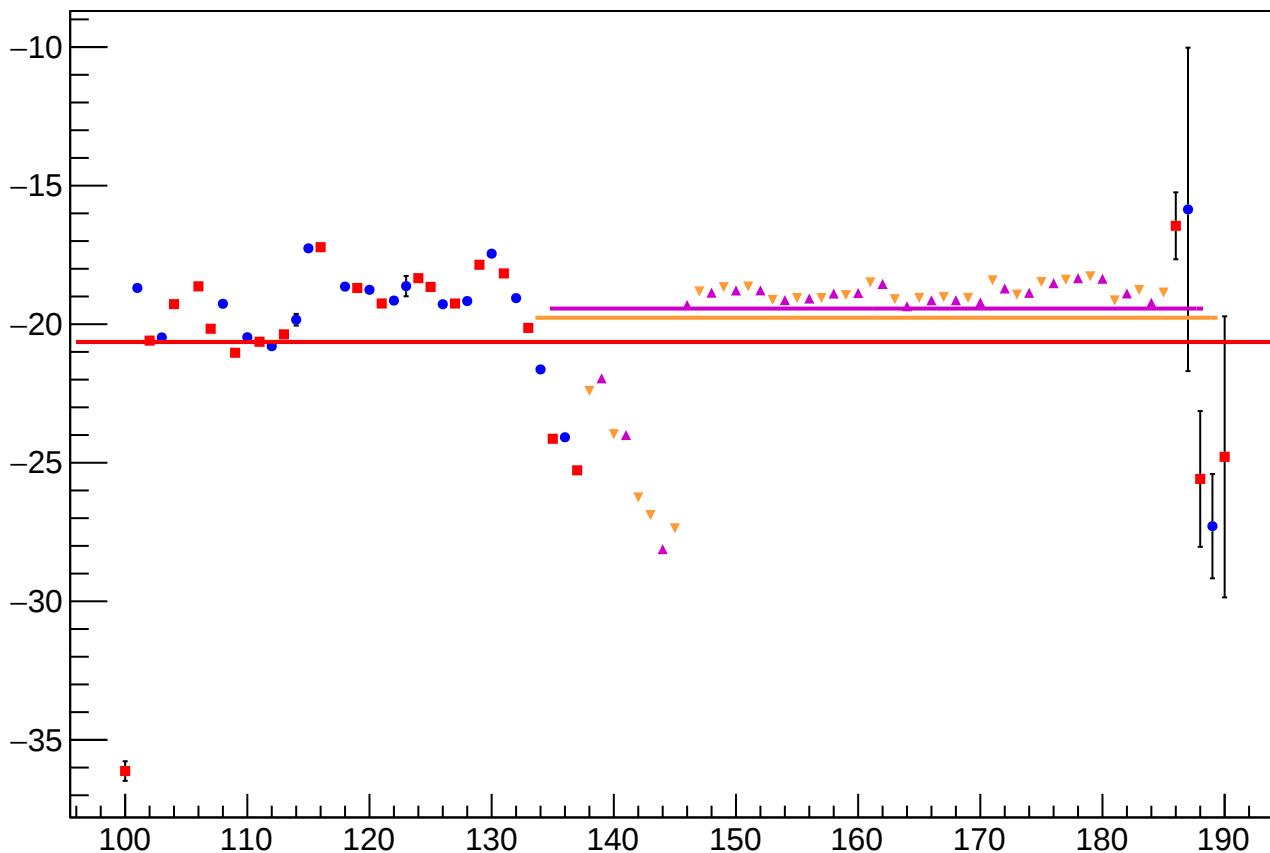
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ 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 ± 0.019 $\chi^2/\text{NDF}: 12437.3/18$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.639 ± 0.019 $\chi^2/\text{NDF}: 13802.7/21$

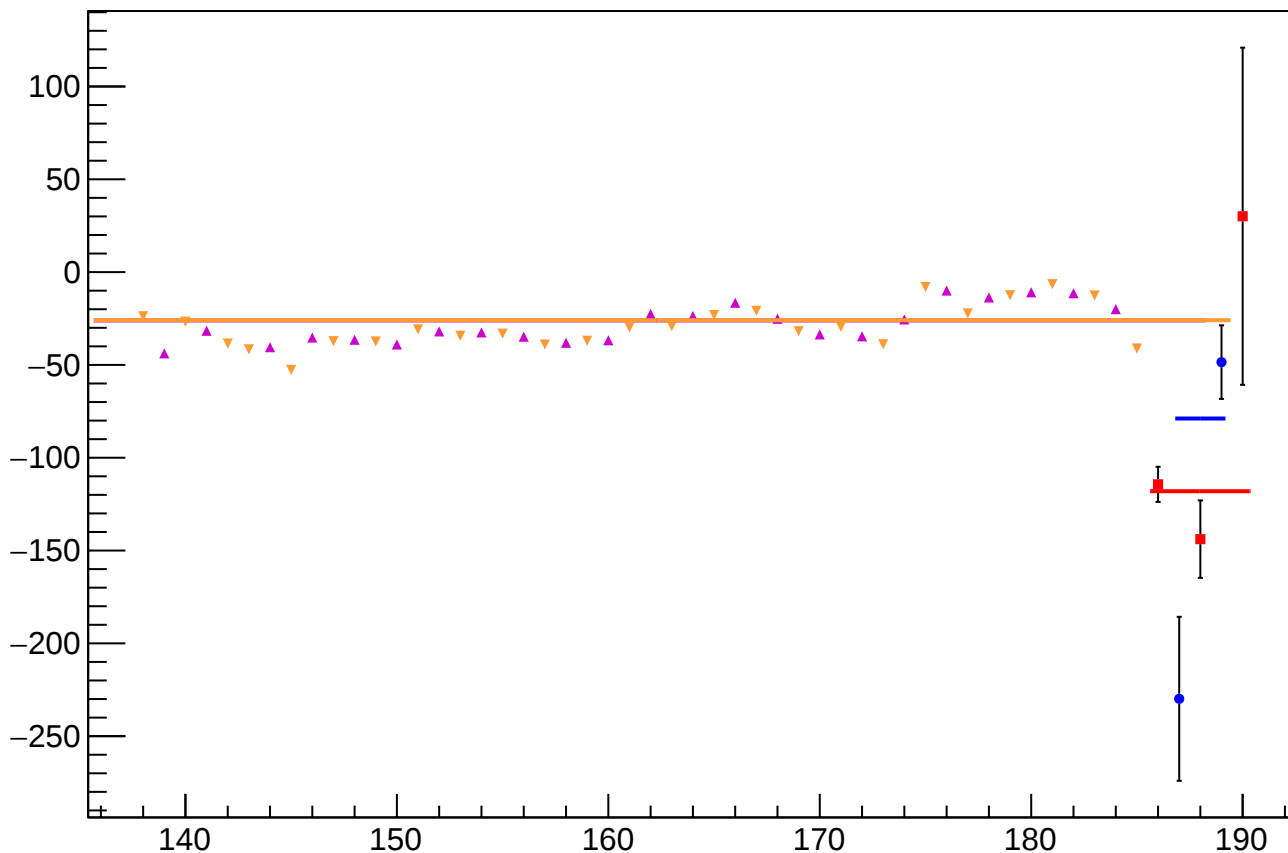
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105818.5/43$

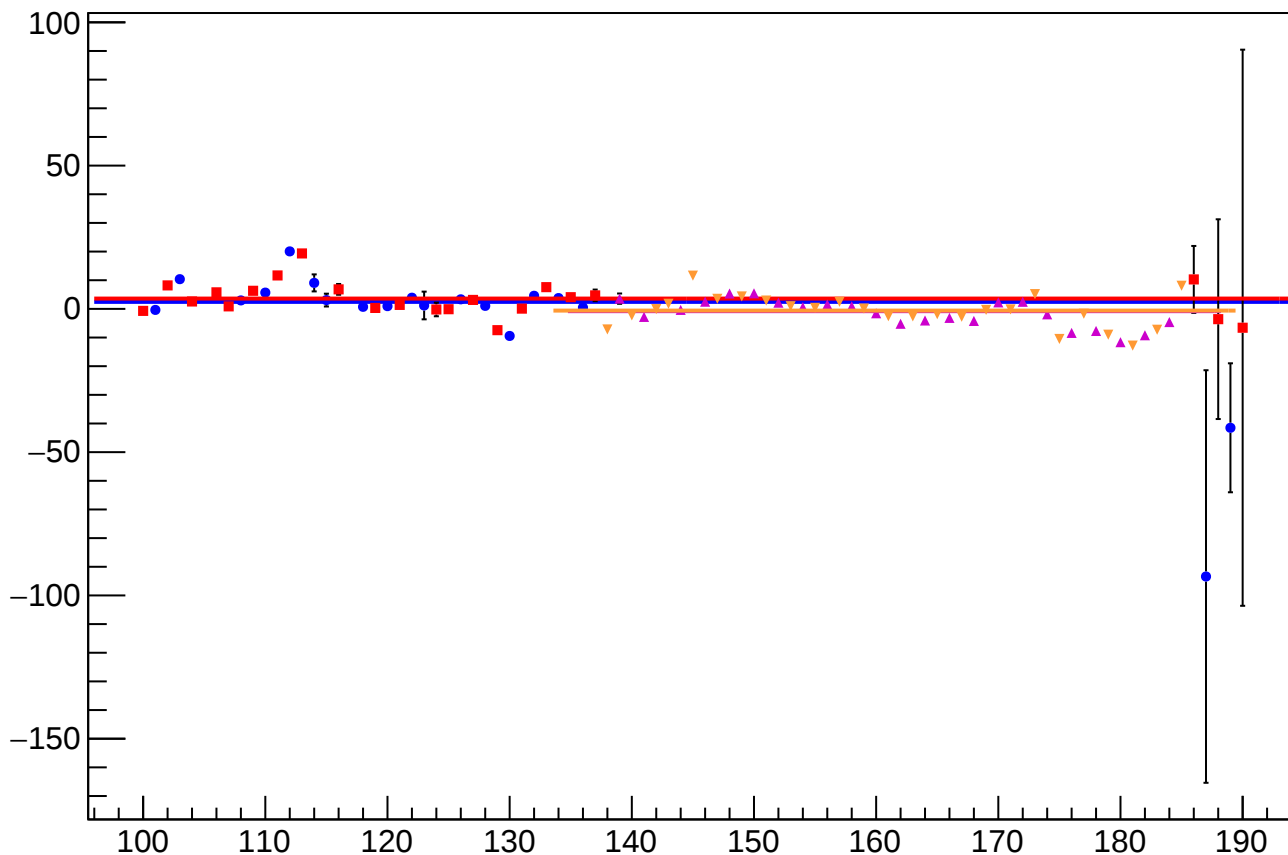
All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176821.3/88$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70250.2/44$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

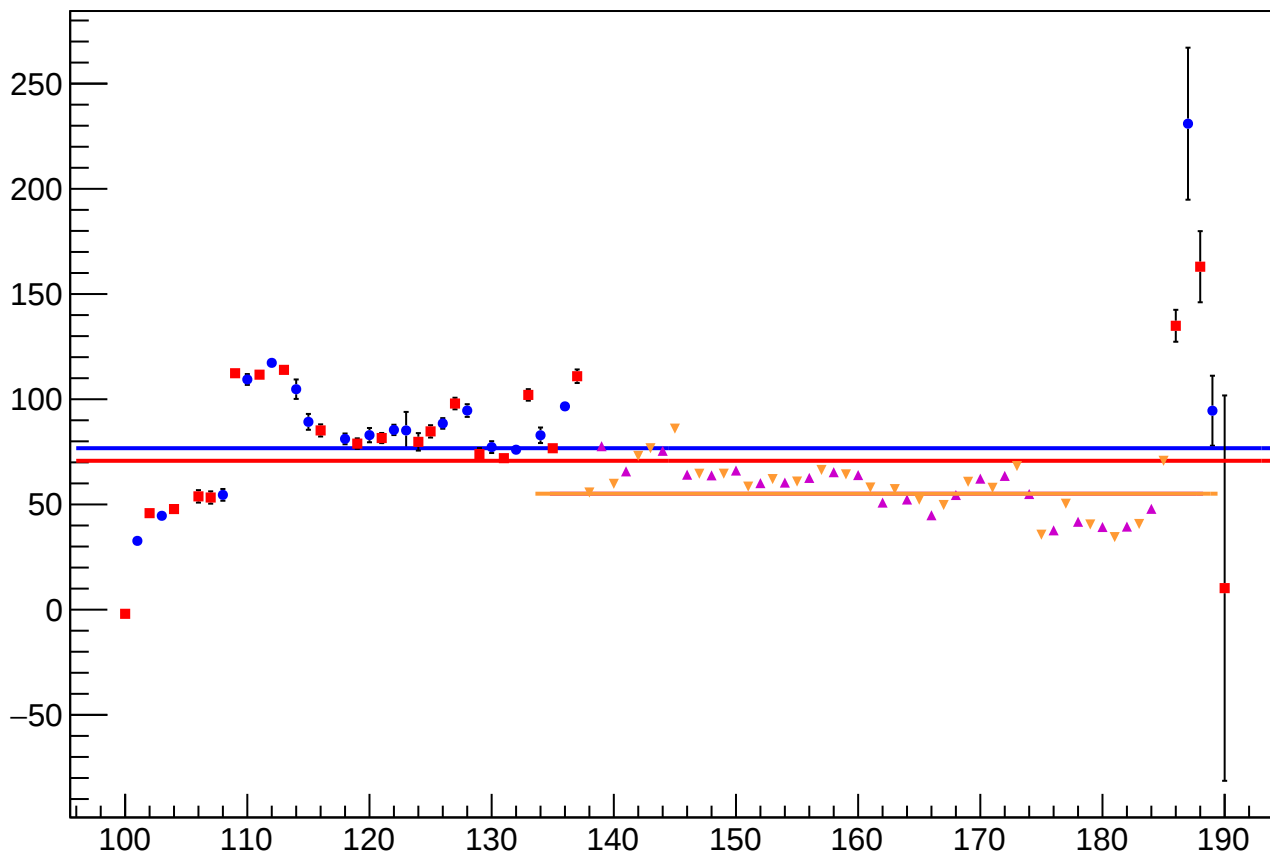
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ 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

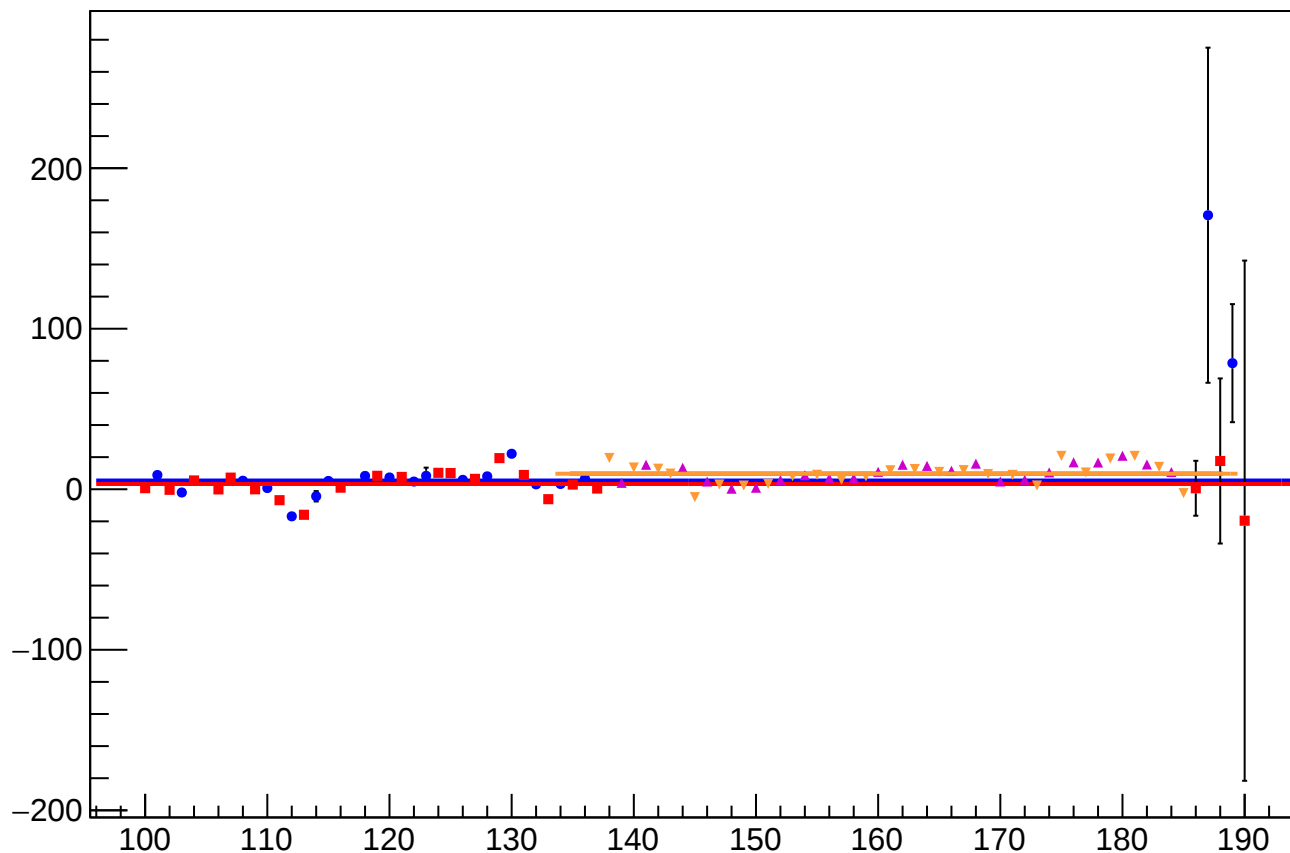
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ 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

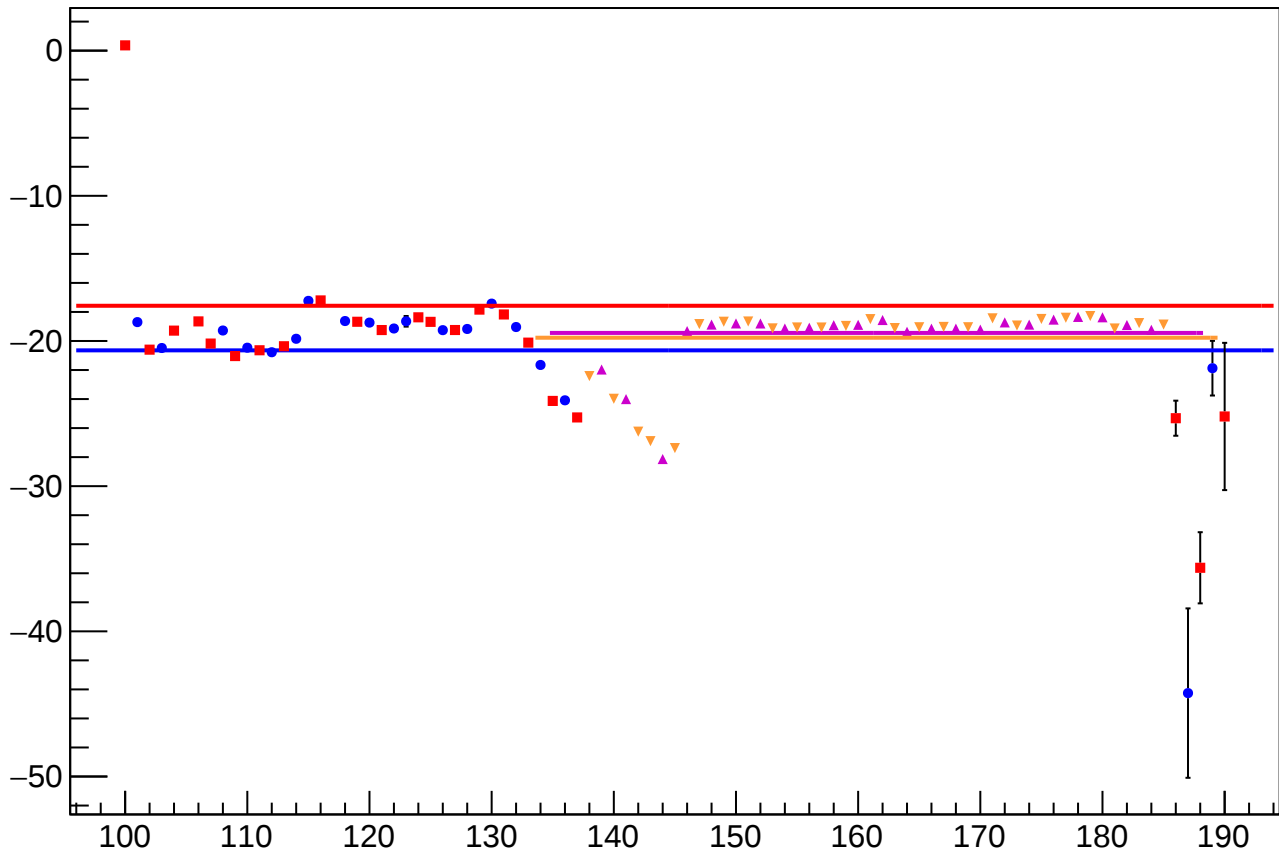
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ 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 $\chi^2/\text{NDF}: 178415.7/21$

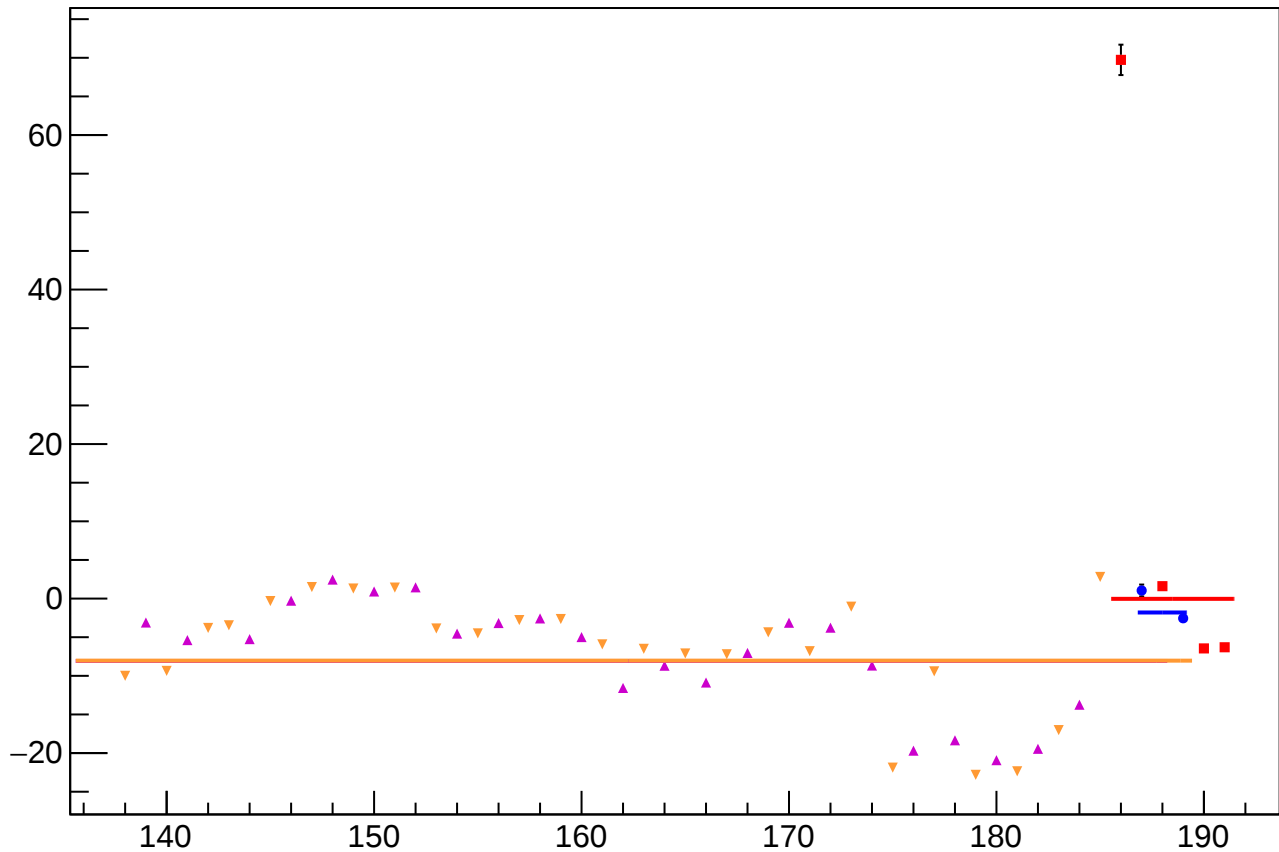
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ 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: -0.034 ± 0.159 $\chi^2/\text{NDF}: 1755.9/3$

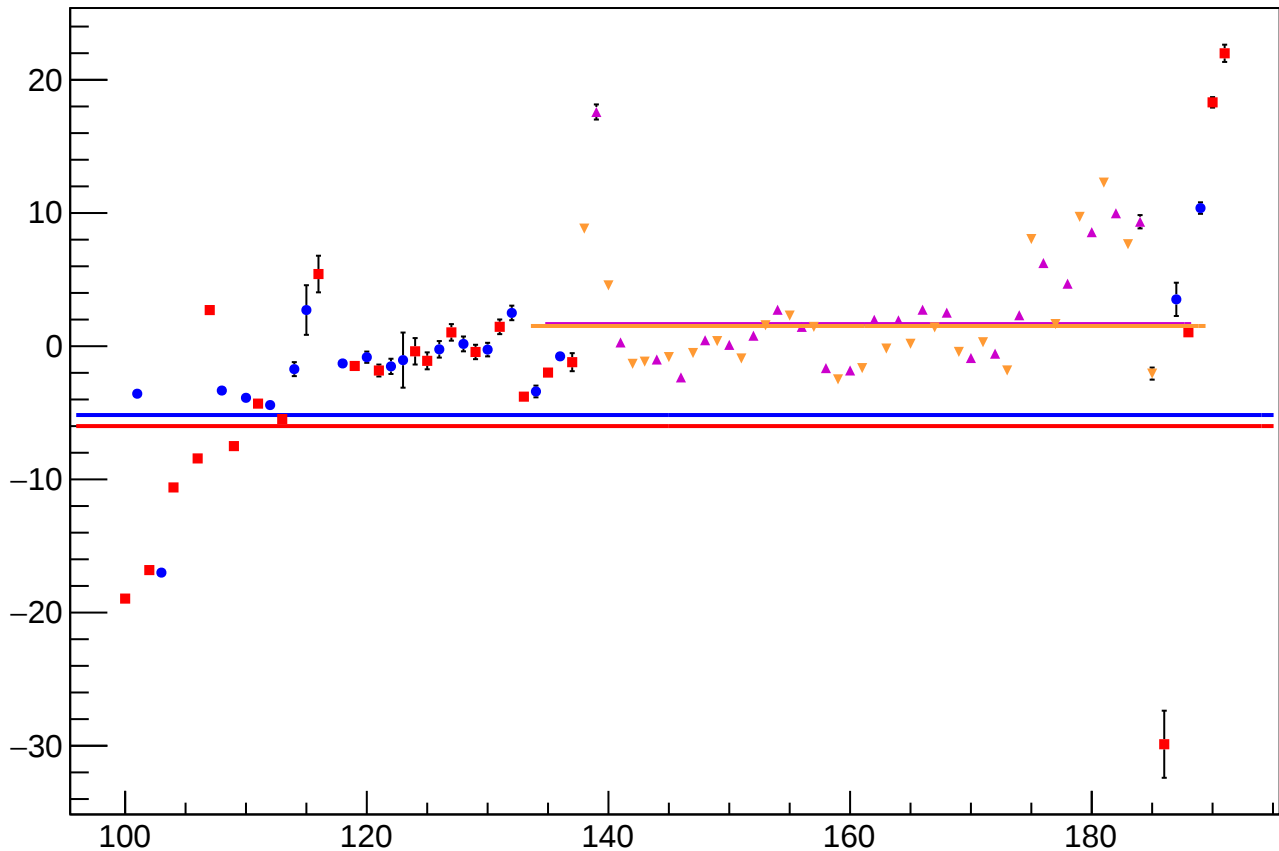
Left In: -8.078 ± 0.072 $\chi^2/\text{NDF}: 10541.6/22$

+ sign -7.796 ± 0.069 $\chi^2/\text{NDF}: 12885.6/26$

All: -7.224 ± 0.047 $\chi^2/\text{NDF}: 27443.5/53$

- sign -6.709 ± 0.066 $\chi^2/\text{NDF}: 14427.2/26$

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: -5.997 ± 0.057 $\chi^2/\text{NDF}: 19006.3/22$

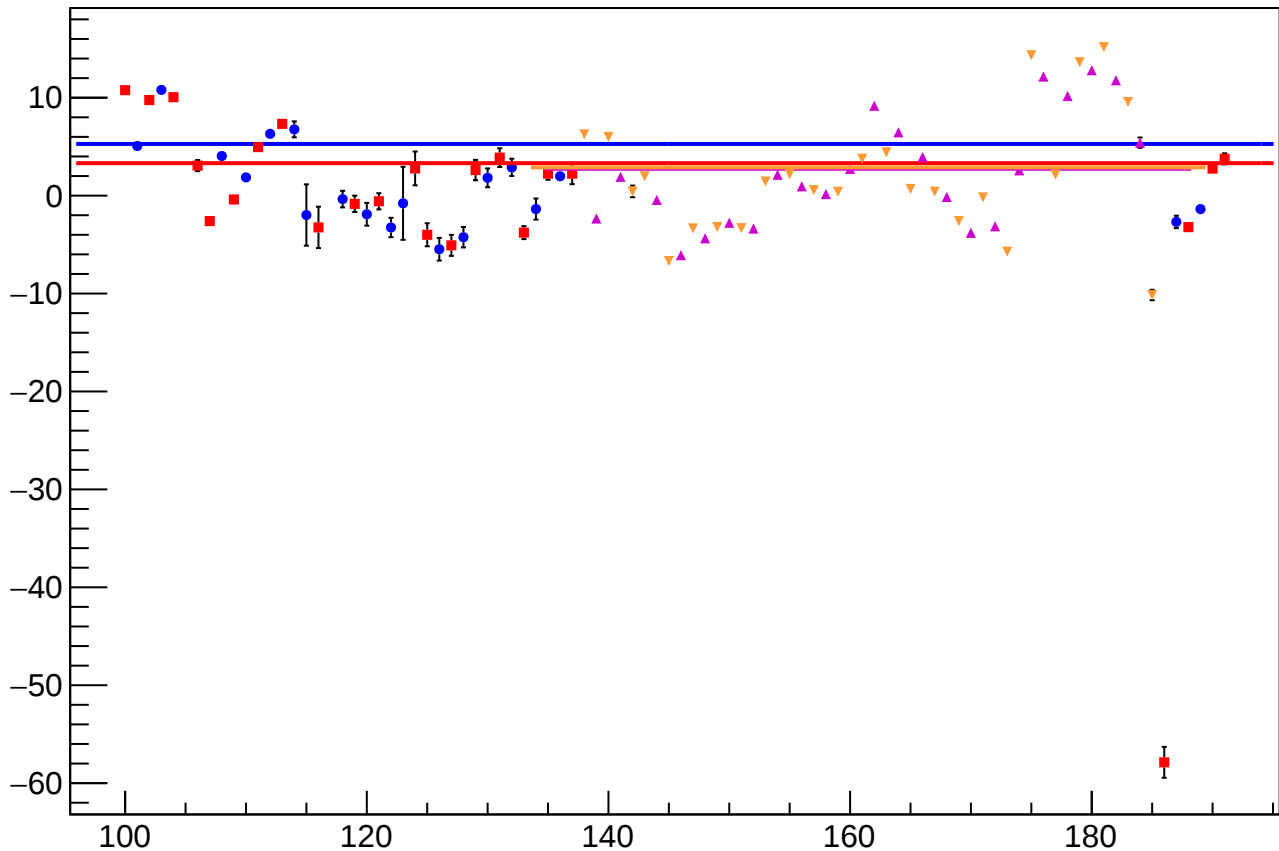
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign -1.822 ± 0.038 $\chi^2/\text{NDF}: 22998.7/43$

All: -1.976 ± 0.028 $\chi^2/\text{NDF}: 55178.9/89$

- sign -2.143 ± 0.040 $\chi^2/\text{NDF}: 32147.0/45$

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: 3.315 ± 0.077 χ^2/NDF : 6916.0/22

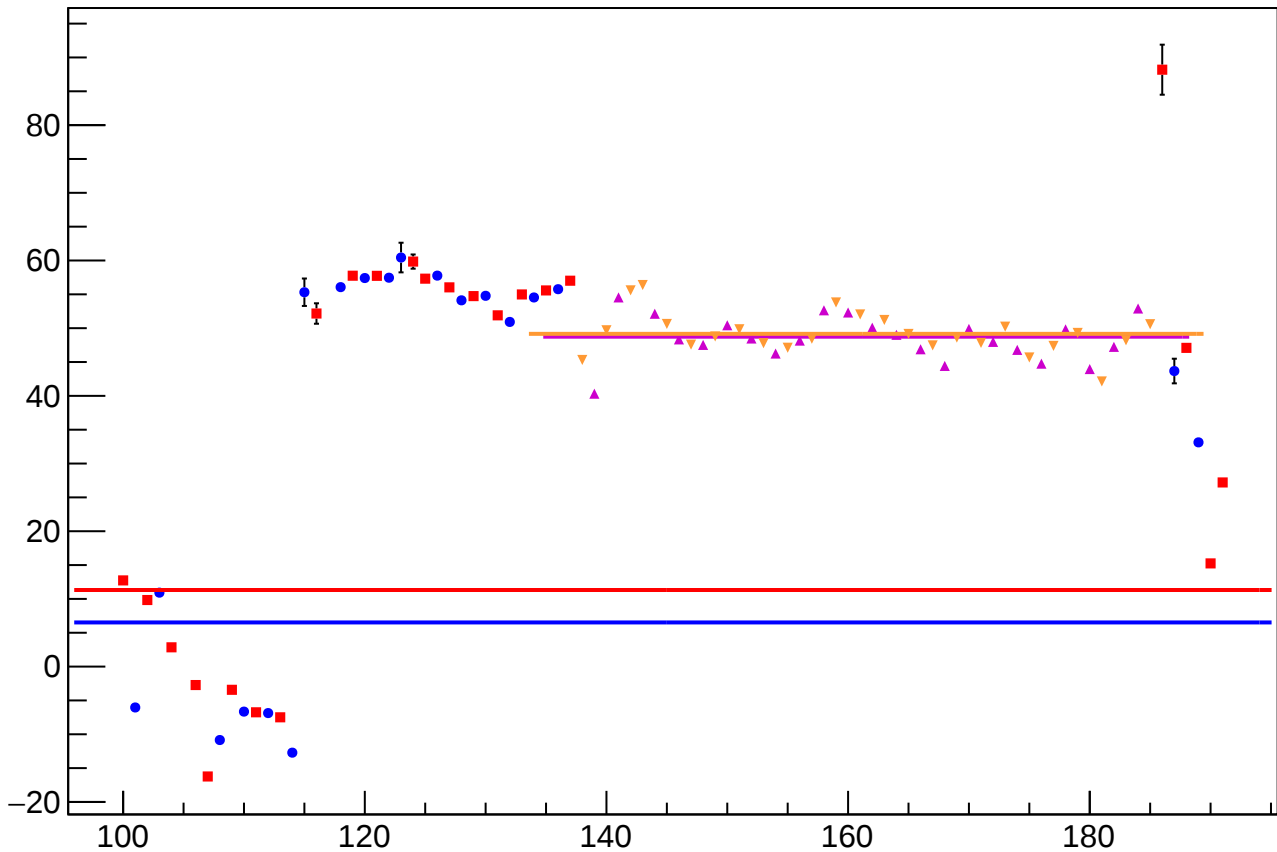
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.839 ± 0.054 χ^2/NDF : 11323.5/43

All: 3.407 ± 0.038 χ^2/NDF : 25572.7/89

- sign 3.010 ± 0.052 χ^2/NDF : 14128.6/45

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: 11.316 ± 0.068 χ^2/NDF : 130815.0/22

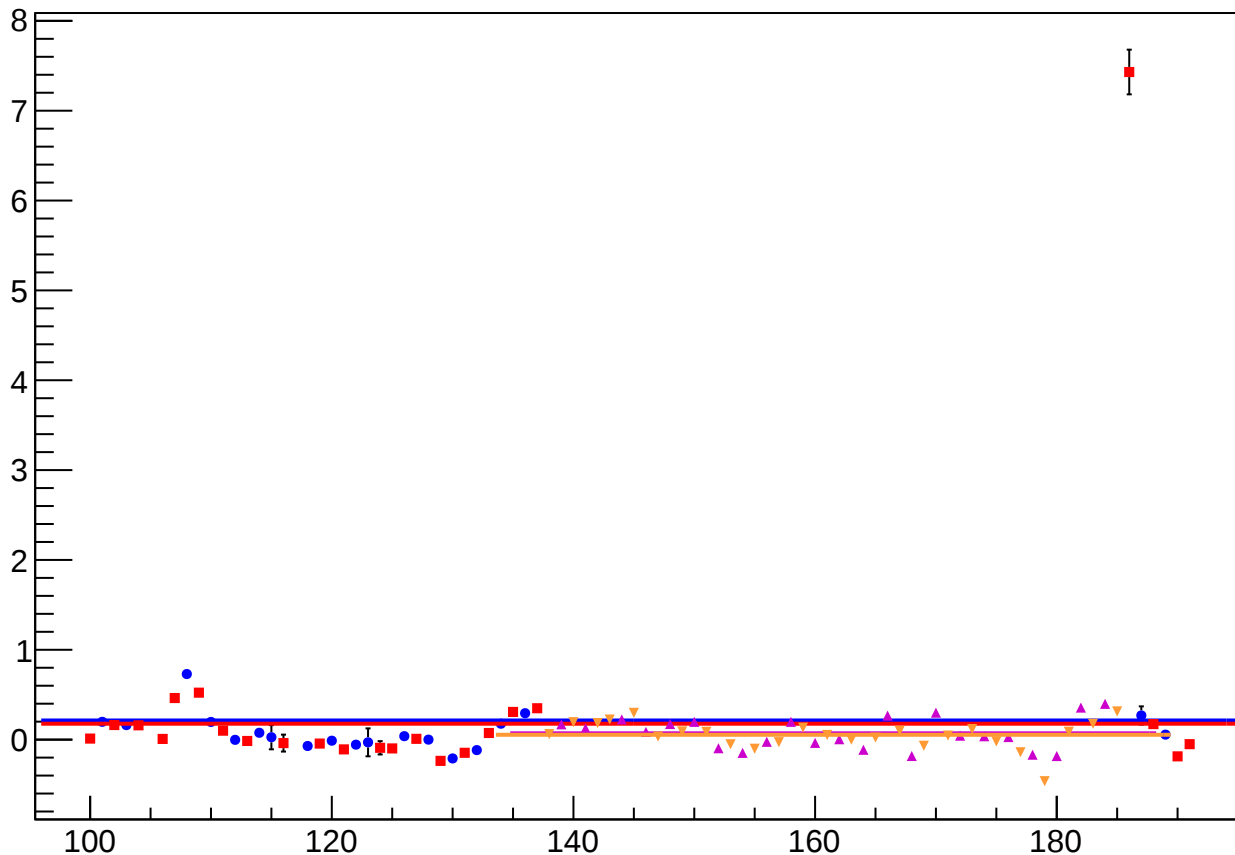
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.777 ± 0.045 χ^2/NDF : 352981.2/43

All: 29.964 ± 0.032 χ^2/NDF : 648329.8/89

- sign 31.258 ± 0.047 χ^2/NDF : 293867.5/45

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.213 $\pm$ 0.003 χ^2/NDF : 3972.5/18

Left Out: 0.054 $\pm$ 0.003 χ^2/NDF : 2379.8/24

Right Out: 0.177 $\pm$ 0.003 χ^2/NDF : 3978.4/22

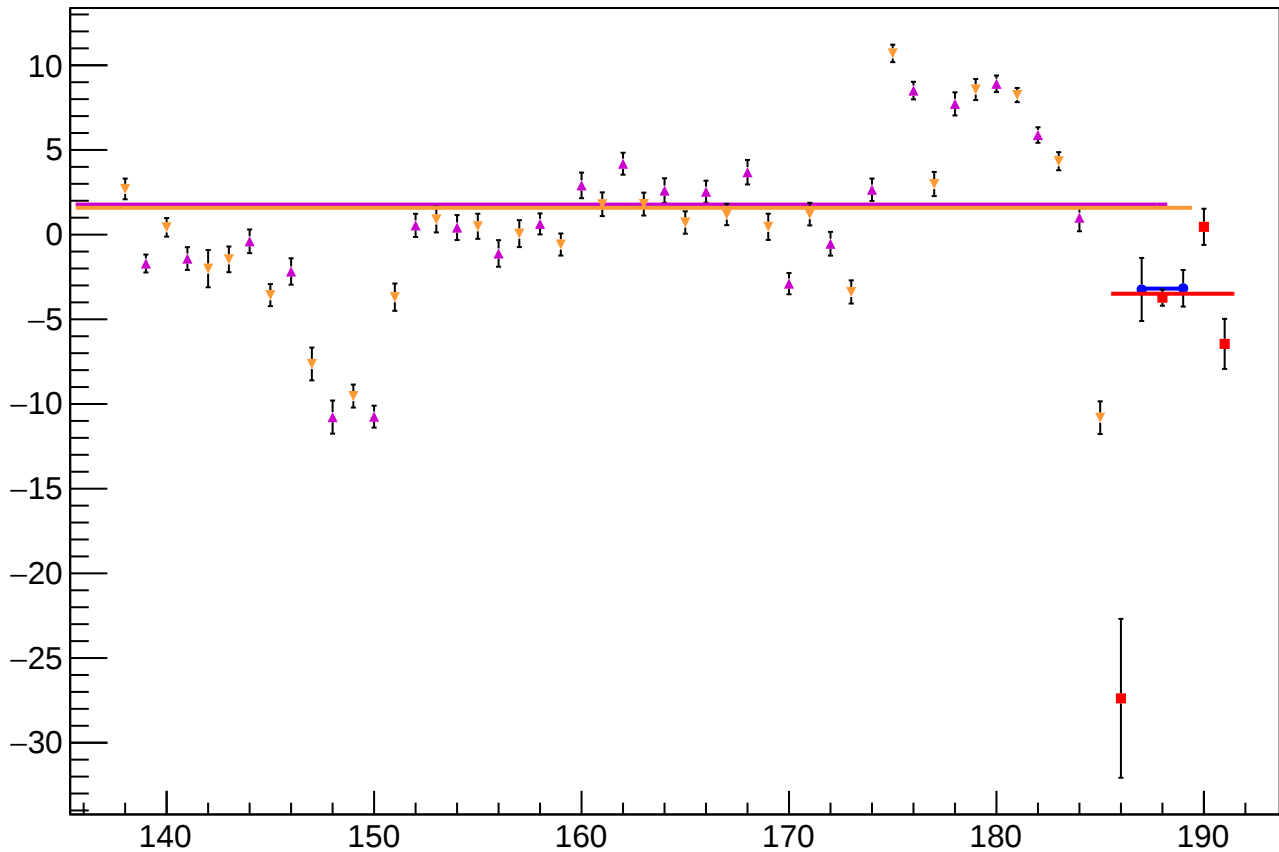
Left In: 0.070 $\pm$ 0.003 χ^2/NDF : 3233.8/22

+ sign 0.136 $\pm$ 0.002 χ^2/NDF : 7979.5/43

All: 0.132 $\pm$ 0.001 χ^2/NDF : 15957.4/89

- sign 0.129 $\pm$ 0.002 χ^2/NDF : 7971.5/45

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: -3.489 ± 0.416 χ^2/NDF : 43.8/3

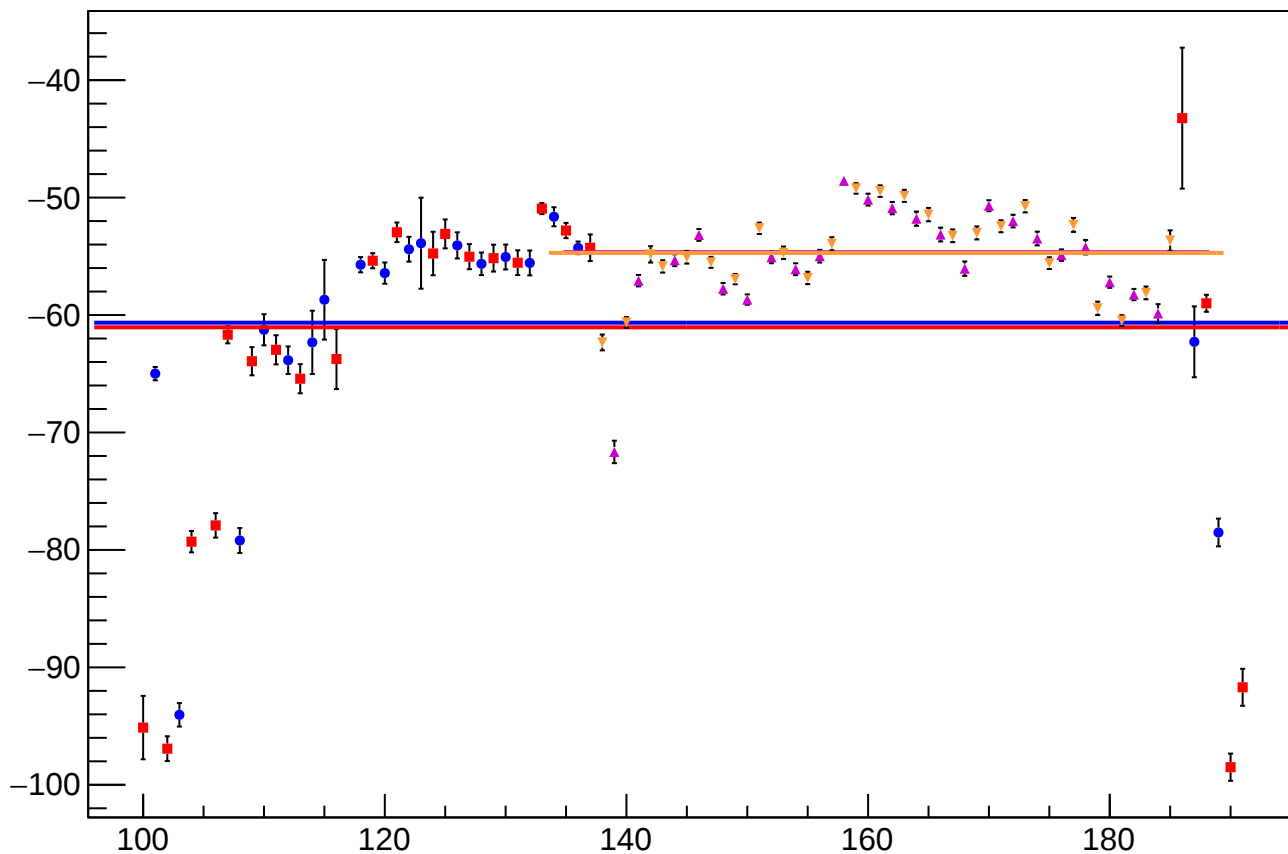
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 1.490 ± 0.131 χ^2/NDF : 1484.4/26

All: 1.378 ± 0.092 χ^2/NDF : 2971.7/53

- sign 1.271 ± 0.129 χ^2/NDF : 1485.8/26

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: -61.045 ± 0.199 χ^2/NDF : 4418.3/22

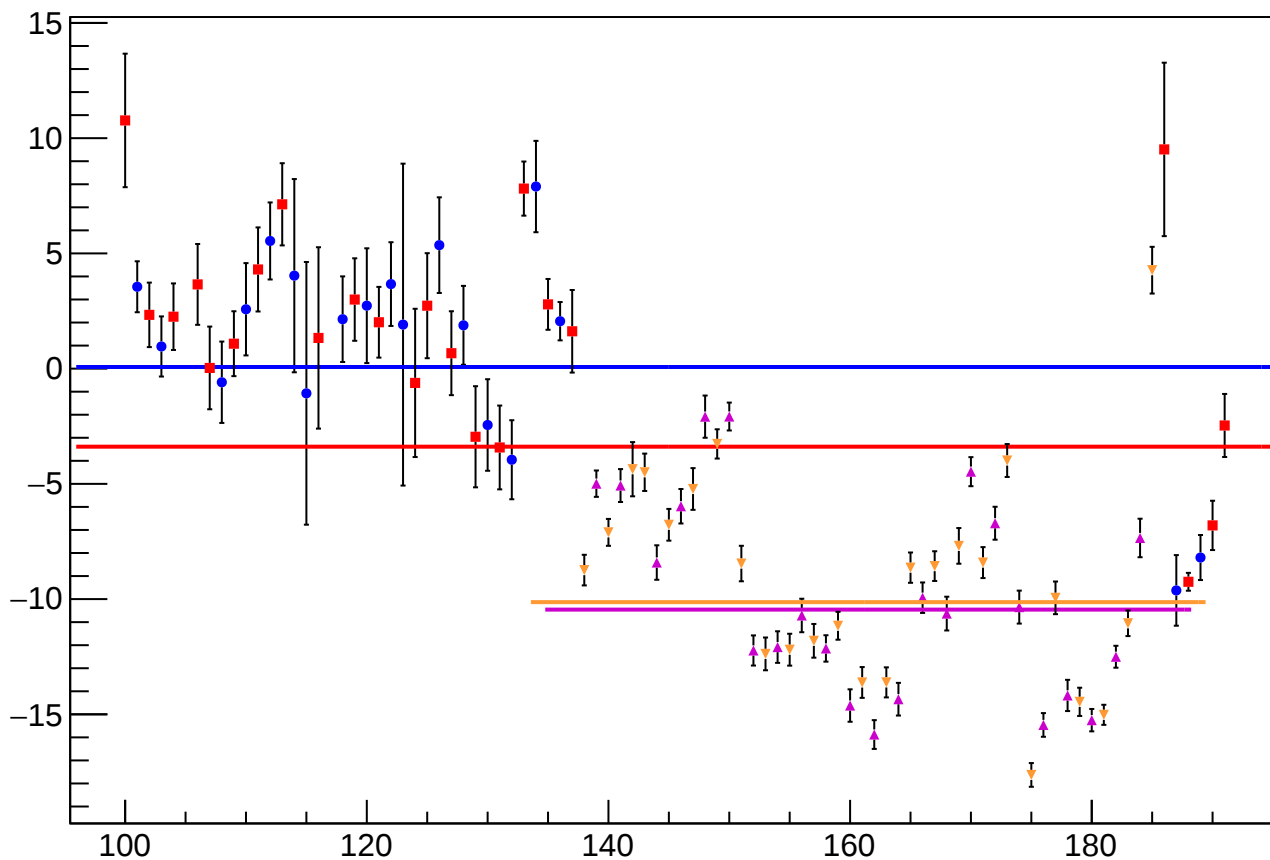
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -55.817 ± 0.095 χ^2/NDF : 3927.7/43

All: -55.979 ± 0.068 χ^2/NDF : 10222.0/89

- sign -56.144 ± 0.096 χ^2/NDF : 6288.4/45

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 0.071 ± 0.364 χ^2/NDF : 177.8/18

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -3.386 ± 0.260 χ^2/NDF : 559.2/22

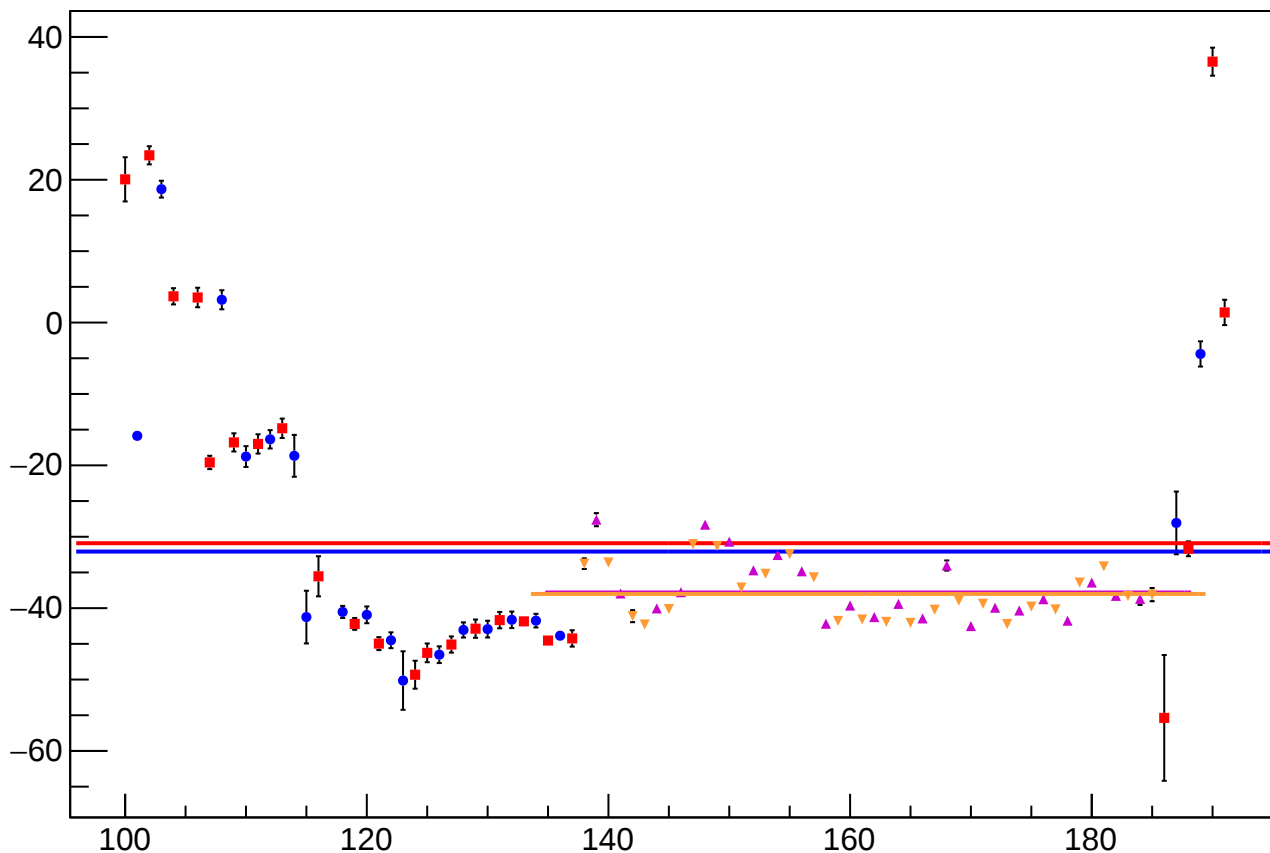
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.934 ± 0.125 χ^2/NDF : 1925.8/43

All: -8.949 ± 0.086 χ^2/NDF : 4070.0/89

- sign -8.963 ± 0.120 χ^2/NDF : 2144.2/45

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.075 ± 0.253 $\chi^2/\text{NDF}: 4894.6/18$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -30.903 ± 0.234 $\chi^2/\text{NDF}: 7608.5/22$

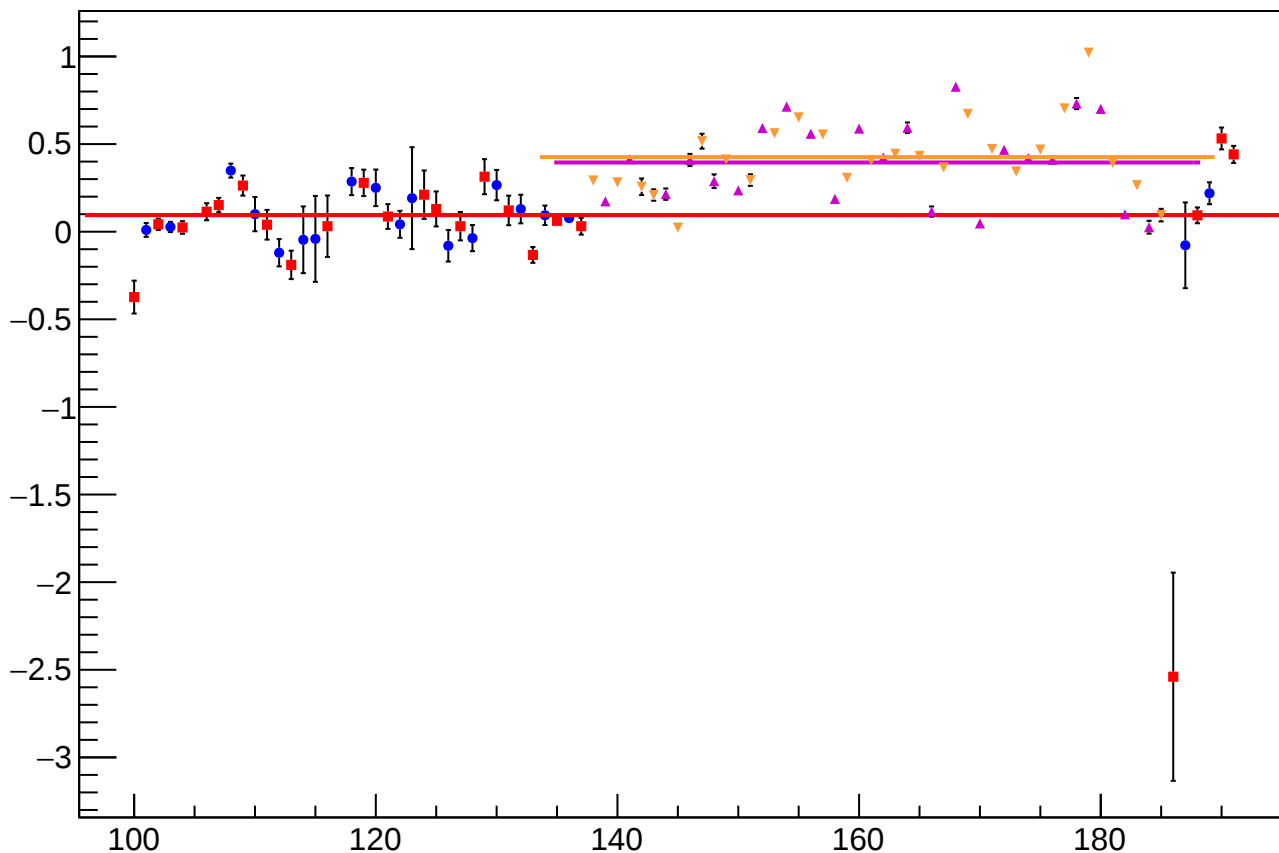
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -36.936 ± 0.107 $\chi^2/\text{NDF}: 6291.0/43$

All: -36.634 ± 0.076 $\chi^2/\text{NDF}: 15639.6/89$

- sign -36.327 ± 0.108 $\chi^2/\text{NDF}: 9332.7/45$

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: 0.095 $\pm$ 0.011 χ^2 /NDF: 215.7/22

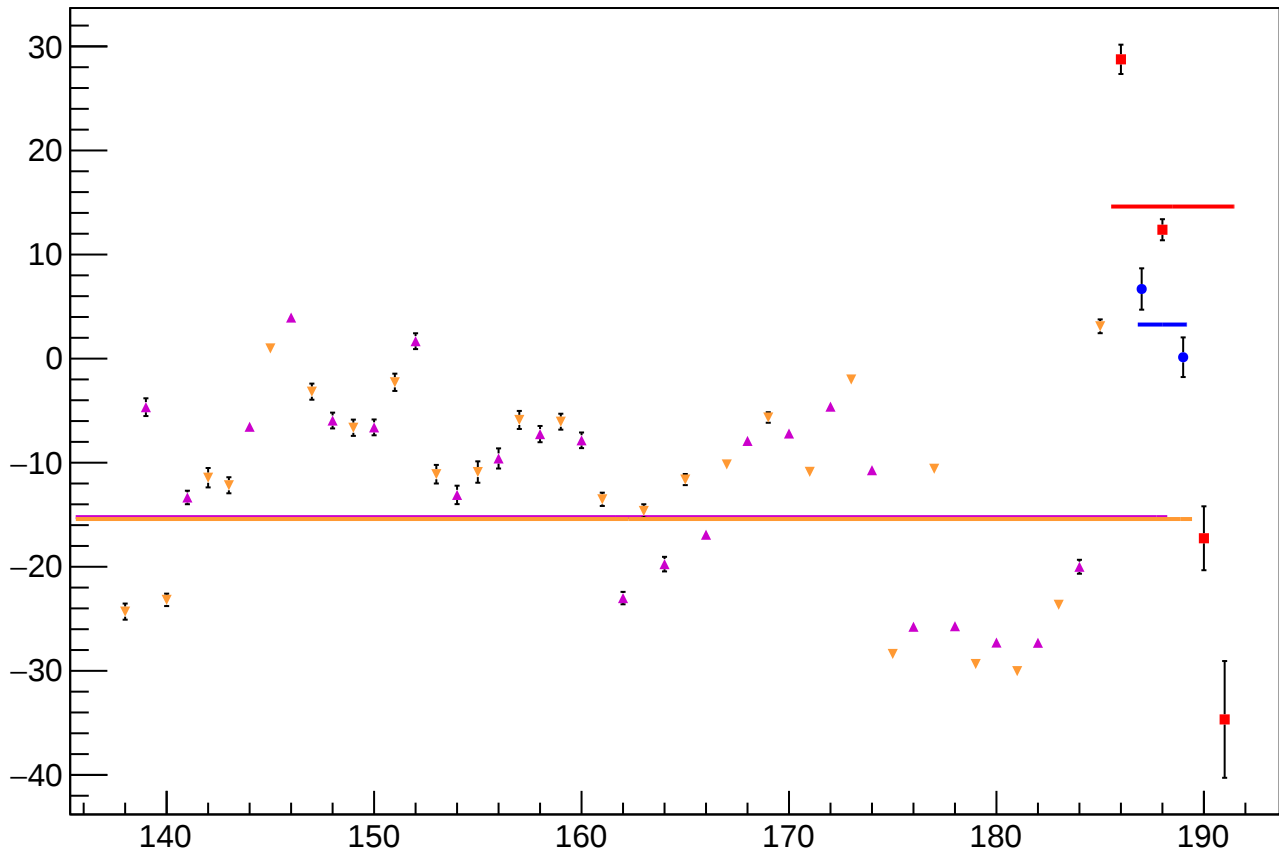
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.374 $\pm$ 0.005 χ^2 /NDF: 1981.8/43

All: 0.356 $\pm$ 0.003 χ^2 /NDF: 4599.3/89

- sign 0.339 $\pm$ 0.005 χ^2 /NDF: 2591.4/45

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 3.273+/-1.375 χ^2/NDF : 5.7/1

Left Out: -15.413+/-0.105 χ^2/NDF : 10509.1/24

Right Out: 14.612+/-0.787 χ^2/NDF : 290.5/3

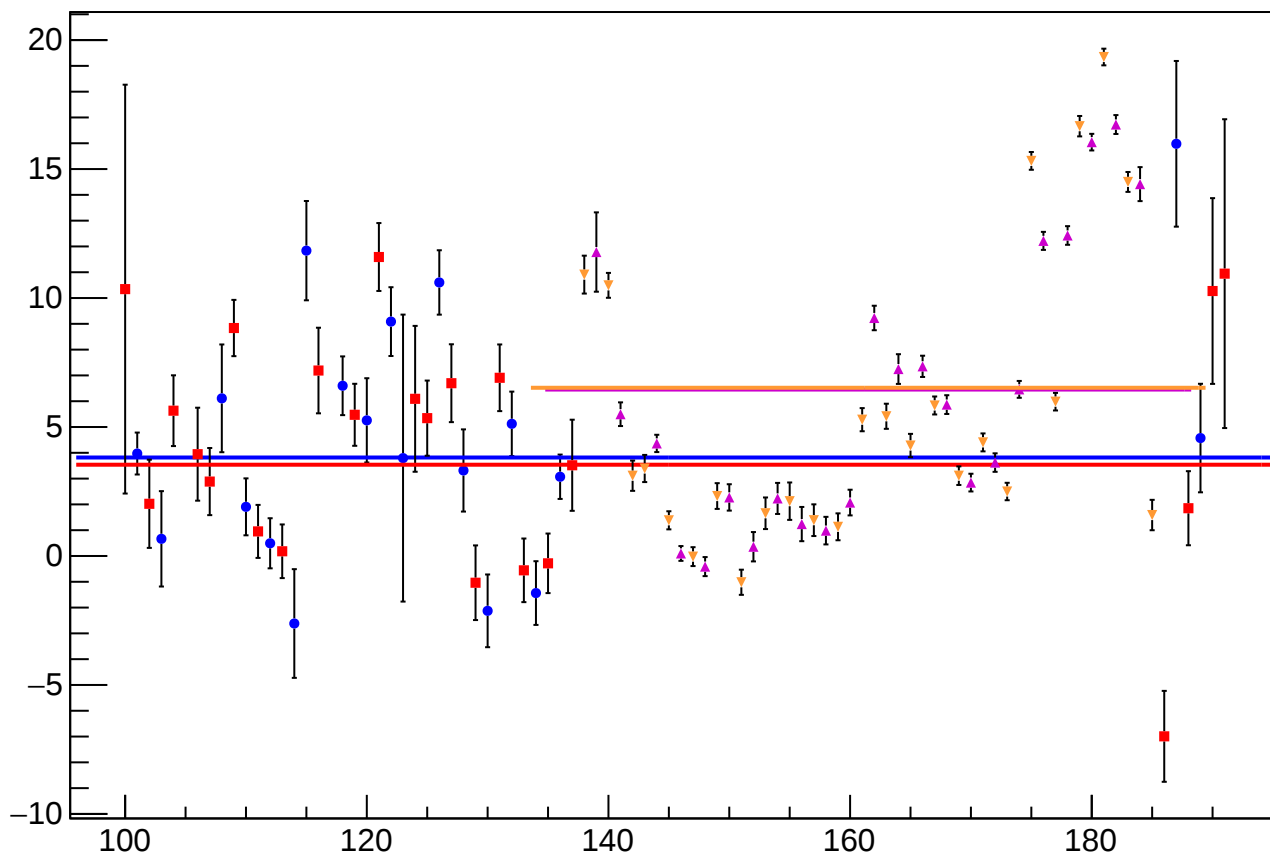
Left In: -15.229+/-0.107 χ^2/NDF : 8657.3/22

+ sign -15.304+/-0.105 χ^2/NDF : 10698.4/26

All: -14.999+/-0.074 χ^2/NDF : 21076.3/53

- sign -14.690+/-0.106 χ^2/NDF : 10360.9/26

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.818 ± 0.306 $\chi^2/\text{NDF}: 149.8/18$

Left Out: 6.521 ± 0.085 $\chi^2/\text{NDF}: 4985.2/24$

Right Out: 3.538 ± 0.303 $\chi^2/\text{NDF}: 177.0/22$

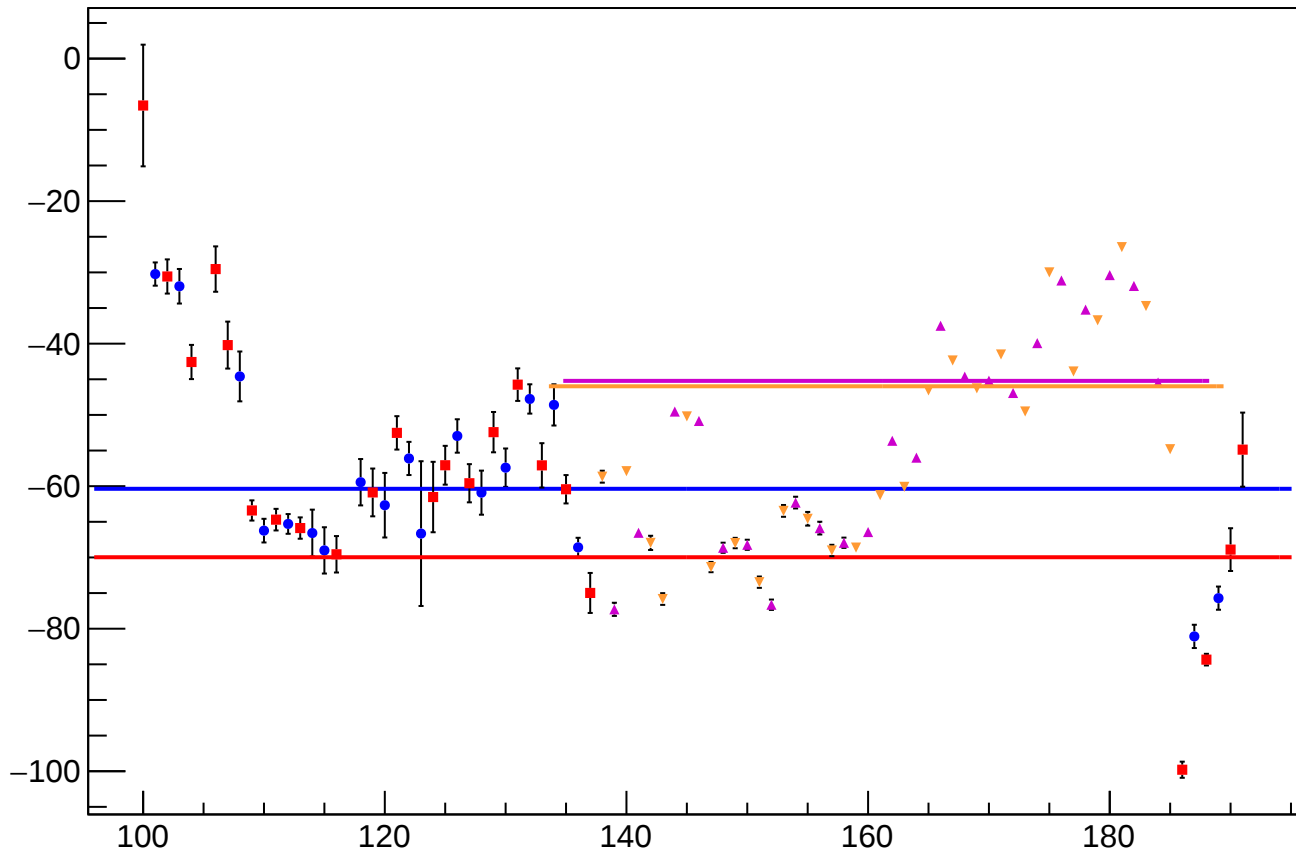
Left In: 6.452 ± 0.086 $\chi^2/\text{NDF}: 3948.0/22$

+ sign 6.326 ± 0.082 $\chi^2/\text{NDF}: 5207.3/43$

All: 6.280 ± 0.058 $\chi^2/\text{NDF}: 9418.4/89$

- sign 6.234 ± 0.083 $\chi^2/\text{NDF}: 4210.6/45$

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: -69.972 ± 0.412 χ^2/NDF : 2048.0/22

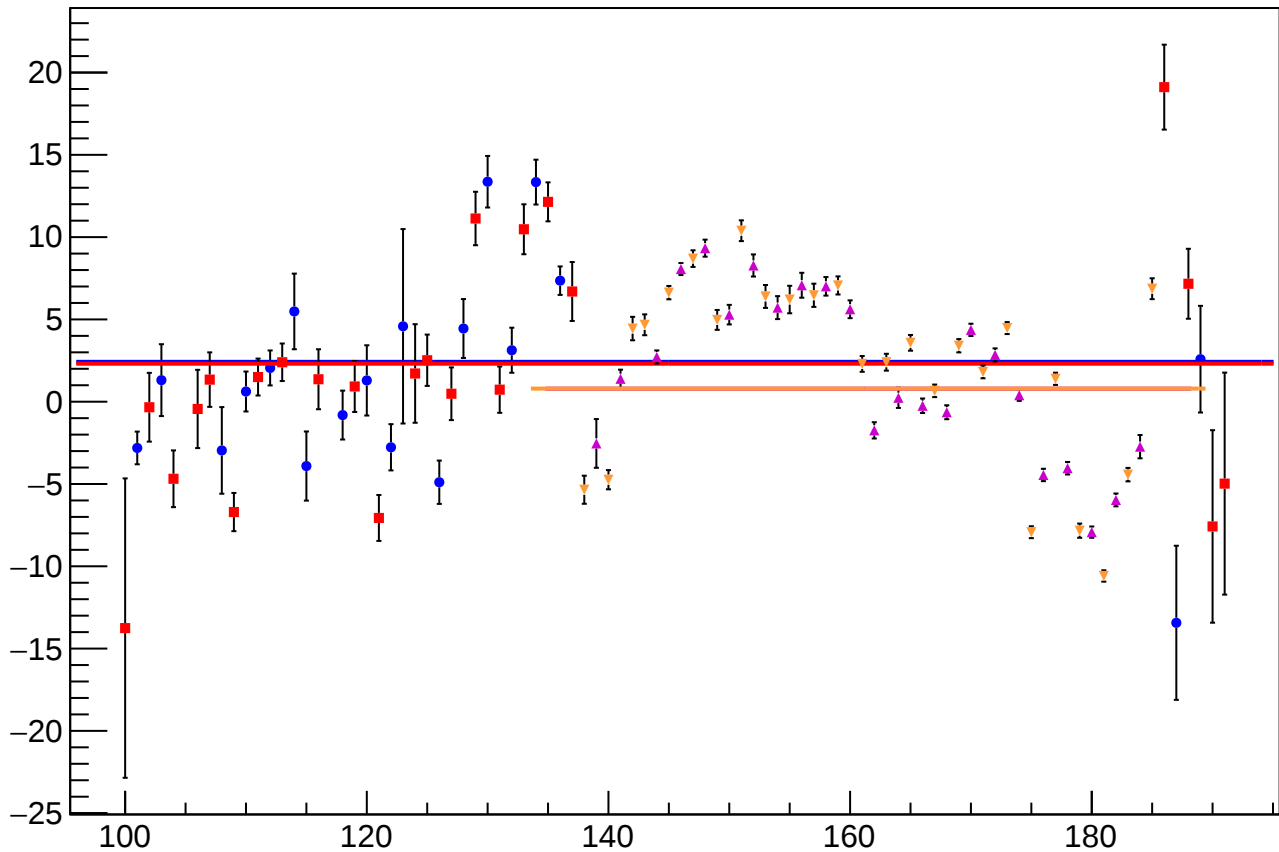
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.623 ± 0.104 χ^2/NDF : 19068.2/43

All: -46.708 ± 0.073 χ^2/NDF : 40100.3/89

- sign -46.792 ± 0.104 χ^2/NDF : 21030.9/45

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.423+/-0.345 χ^2/NDF : 253.8/18

Left Out: 0.797+/-0.096 χ^2/NDF : 3760.0/24

Right Out: 2.309+/-0.346 χ^2/NDF : 317.5/22

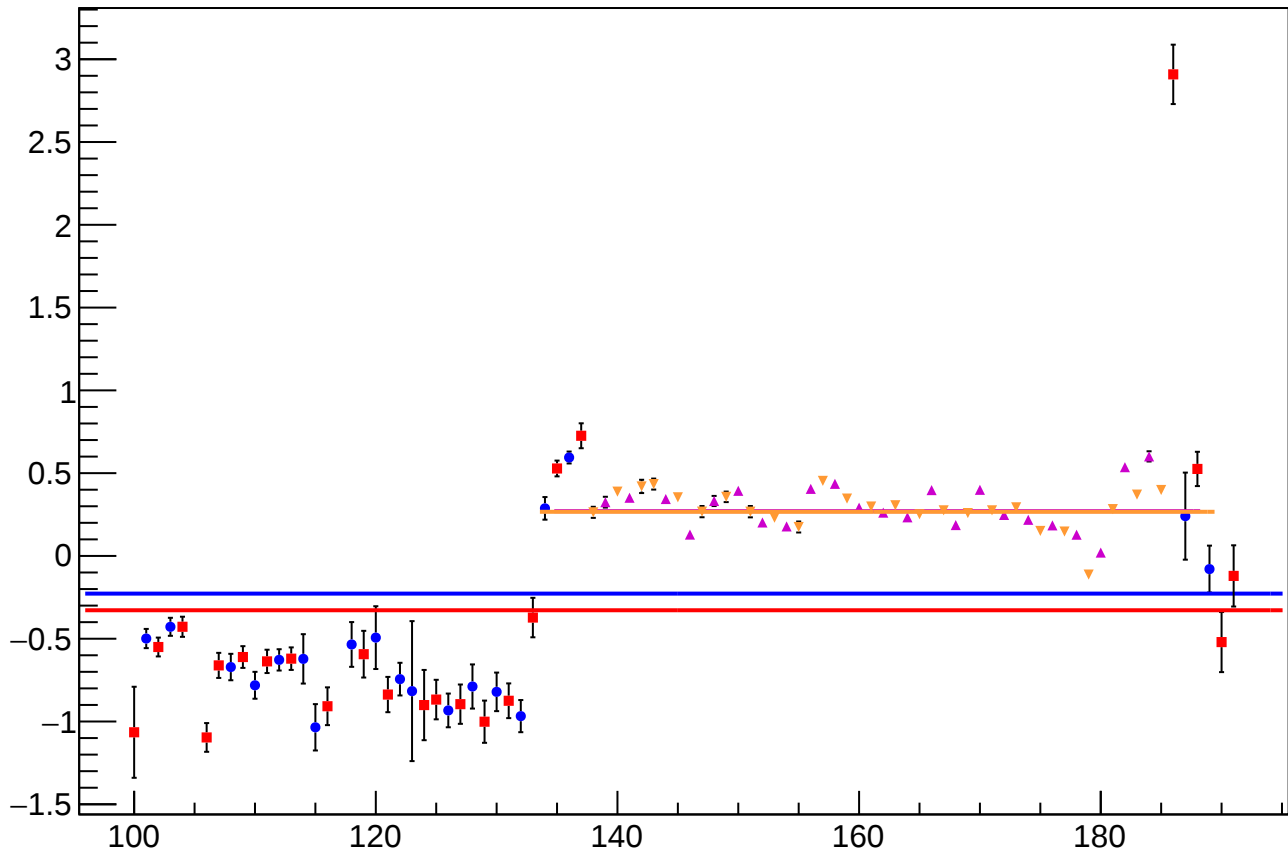
Left In: 0.792+/-0.097 χ^2/NDF : 2692.5/22

+ sign 0.913+/-0.092 χ^2/NDF : 4034.4/43

All: 0.907+/-0.065 χ^2/NDF : 7062.2/89

- sign 0.902+/-0.093 χ^2/NDF : 3027.8/45

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.228 ± 0.019 $\chi^2/\text{NDF}: 961.4/18$

Left Out: 0.267 ± 0.004 $\chi^2/\text{NDF}: 699.8/24$

Right Out: -0.328 ± 0.018 $\chi^2/\text{NDF}: 1252.2/22$

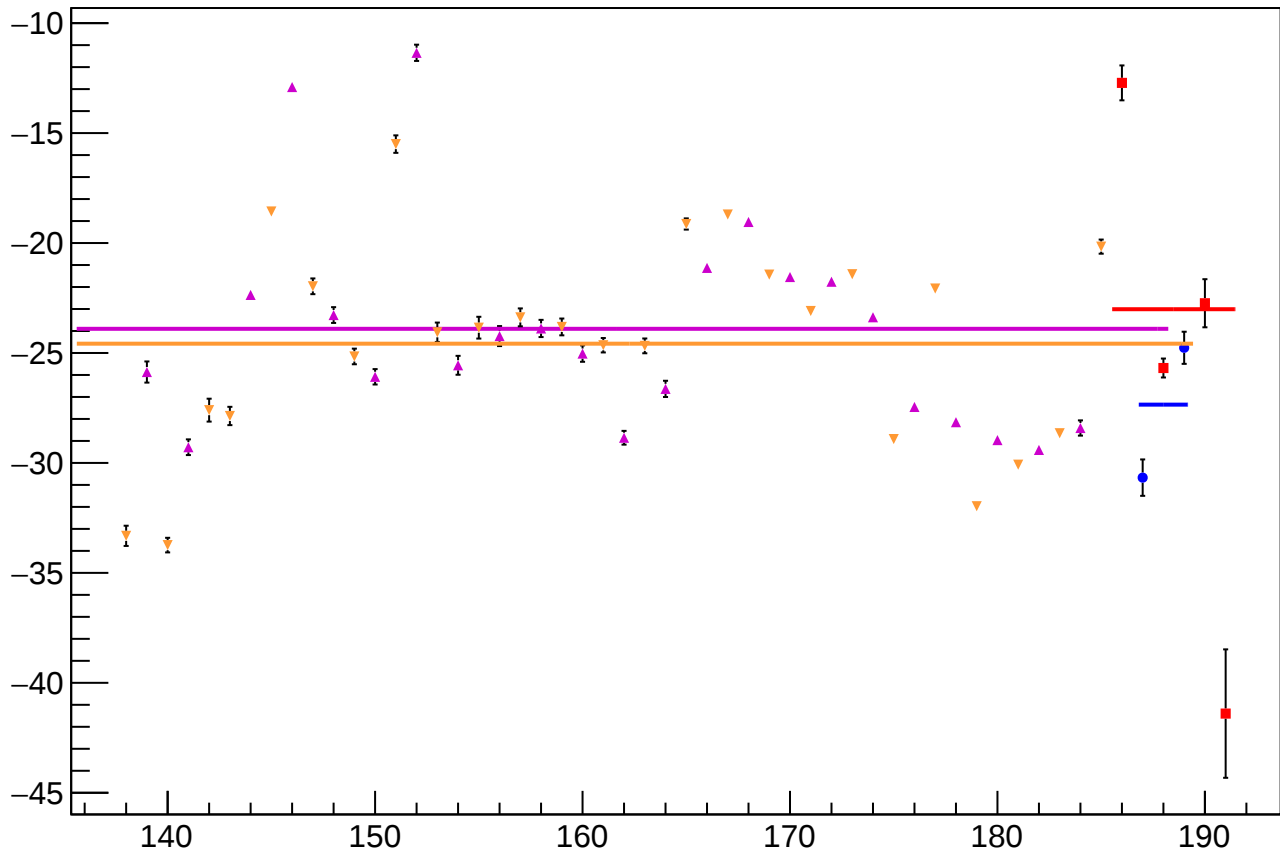
Left In: 0.270 ± 0.004 $\chi^2/\text{NDF}: 969.9/22$

+ sign 0.241 ± 0.004 $\chi^2/\text{NDF}: 2322.7/43$

All: 0.239 ± 0.003 $\chi^2/\text{NDF}: 5544.8/89$

- sign 0.238 ± 0.004 $\chi^2/\text{NDF}: 3221.8/45$

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: -23.010 ± 0.355 χ^2/NDF : 246.4/3

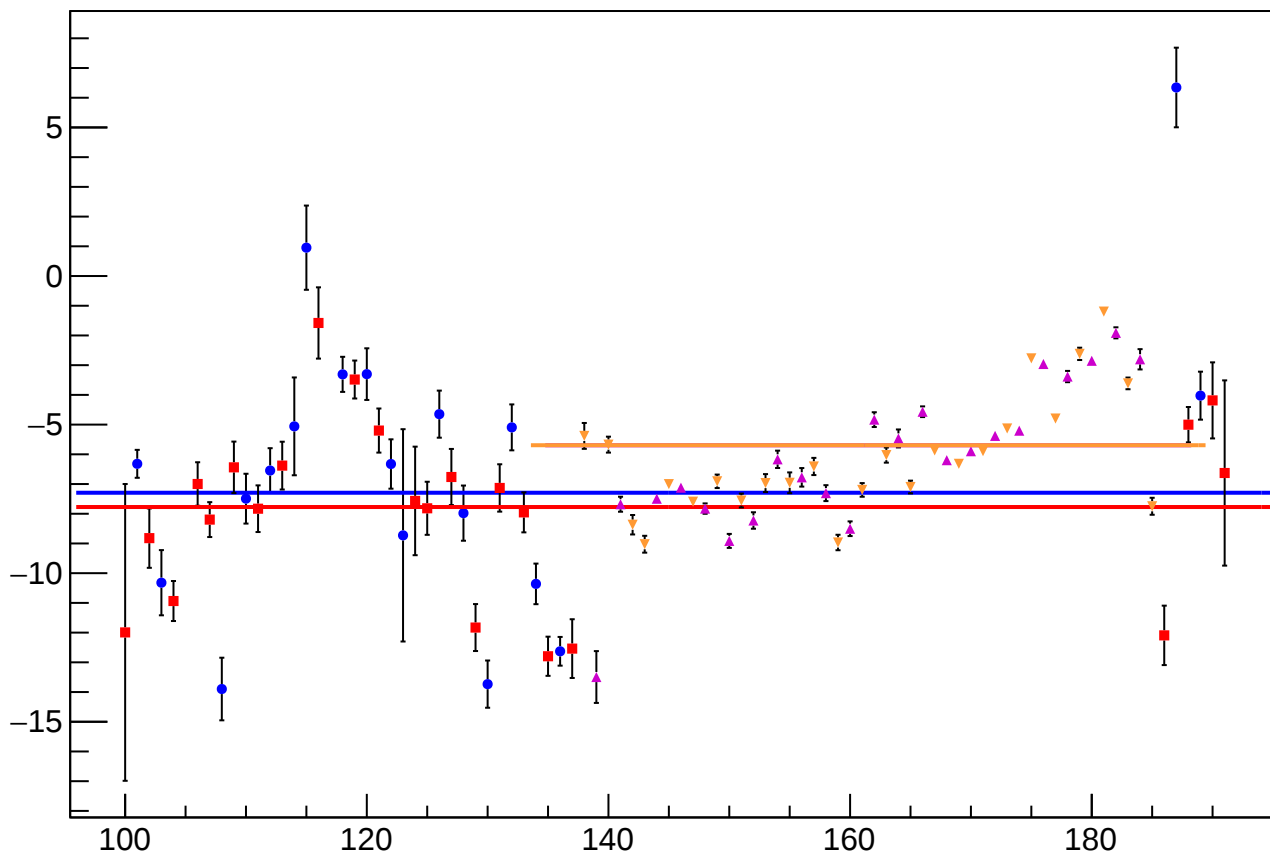
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.601 ± 0.051 χ^2/NDF : 8644.5/26

All: -24.241 ± 0.036 χ^2/NDF : 18152.4/53

- sign -23.883 ± 0.051 χ^2/NDF : 9407.5/26

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: -7.774 ± 0.173 χ^2/NDF : 272.7/22

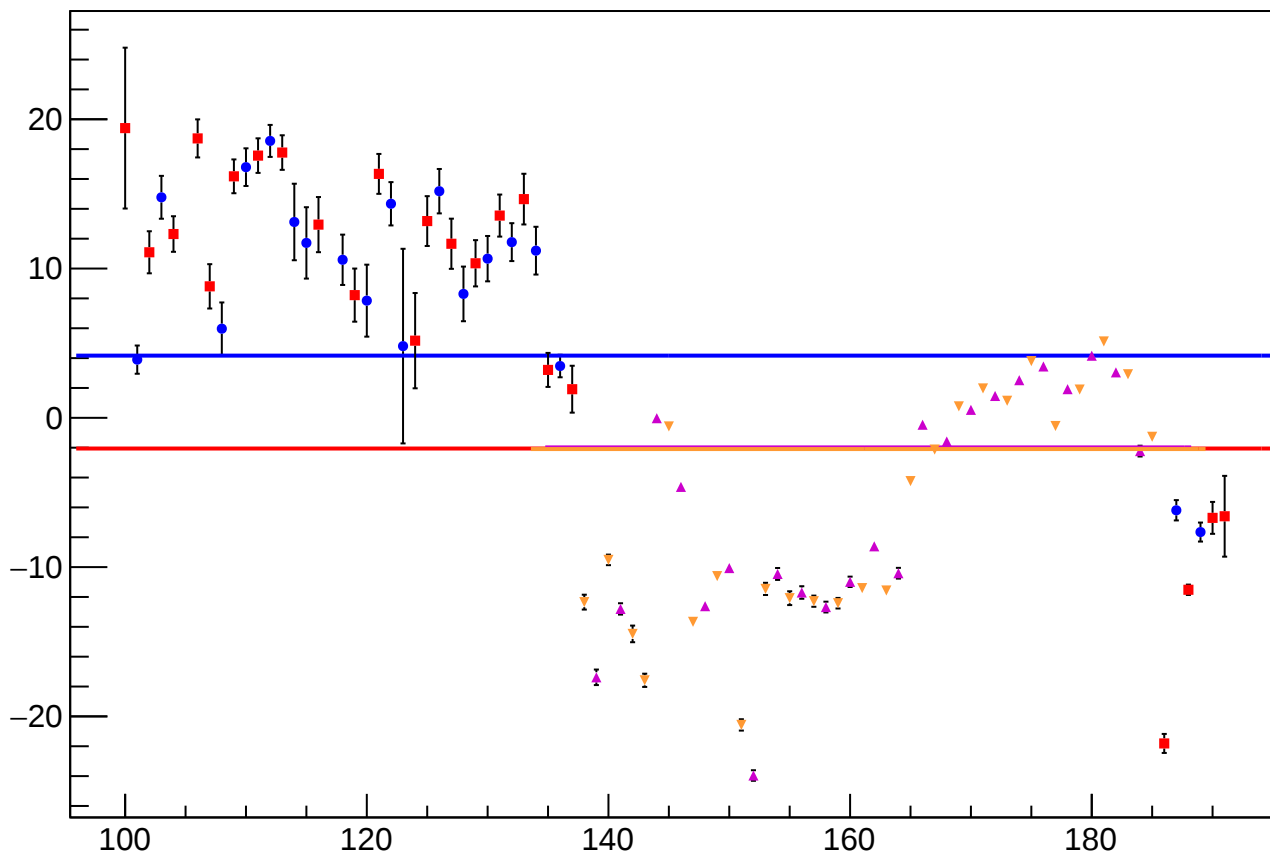
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.773 ± 0.040 χ^2/NDF : 2836.2/43

All: -5.789 ± 0.028 χ^2/NDF : 5555.6/89

- sign -5.806 ± 0.040 χ^2/NDF : 2719.0/45

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: -2.056 ± 0.219 $\chi^2/\text{NDF}: 3892.8/22$

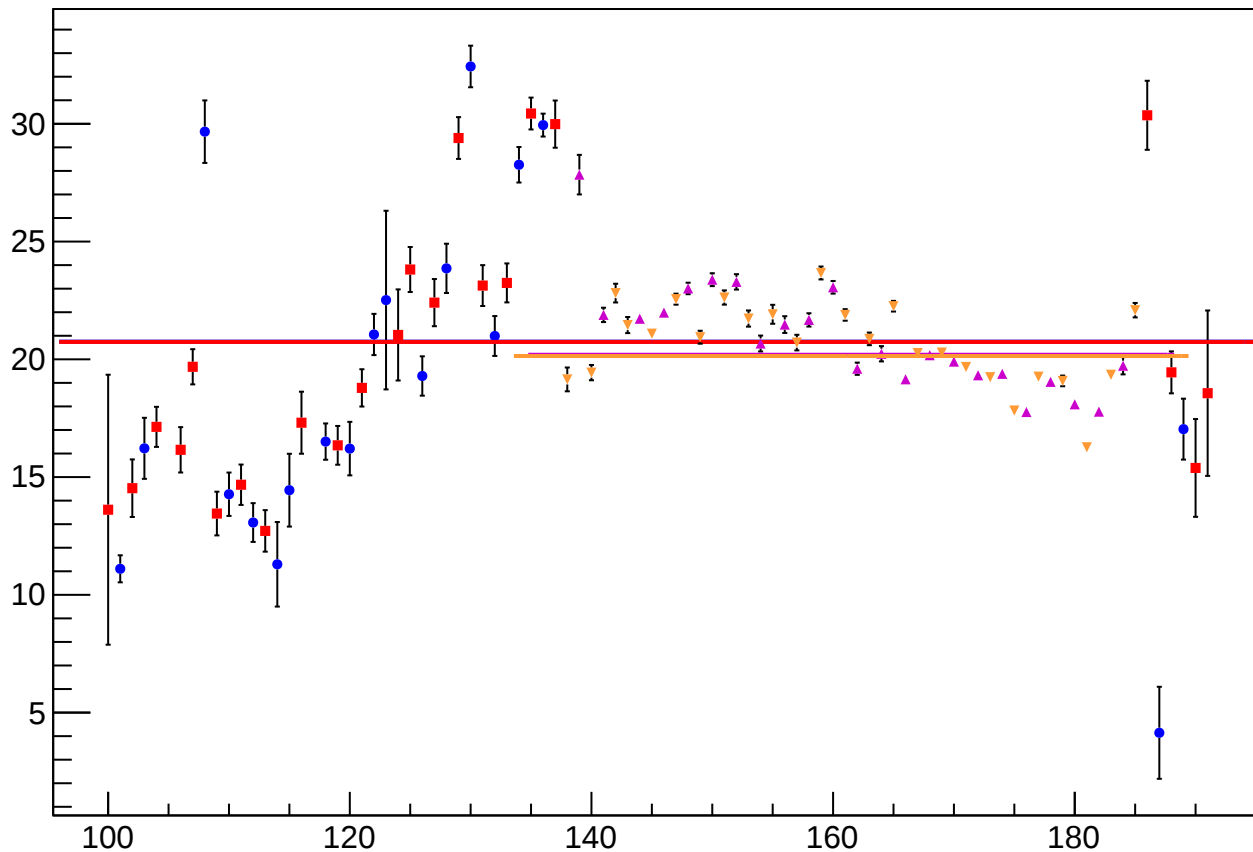
Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

+ sign -1.879 ± 0.051 $\chi^2/\text{NDF}: 17946.1/43$

All: -1.932 ± 0.036 $\chi^2/\text{NDF}: 37223.5/89$

- sign -1.984 ± 0.050 $\chi^2/\text{NDF}: 19275.2/45$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.751 ± 0.207 χ^2/NDF : 1291.8/18

Left Out: 20.141 ± 0.046 χ^2/NDF : 1419.1/24

Right Out: 20.739 ± 0.204 χ^2/NDF : 774.0/22

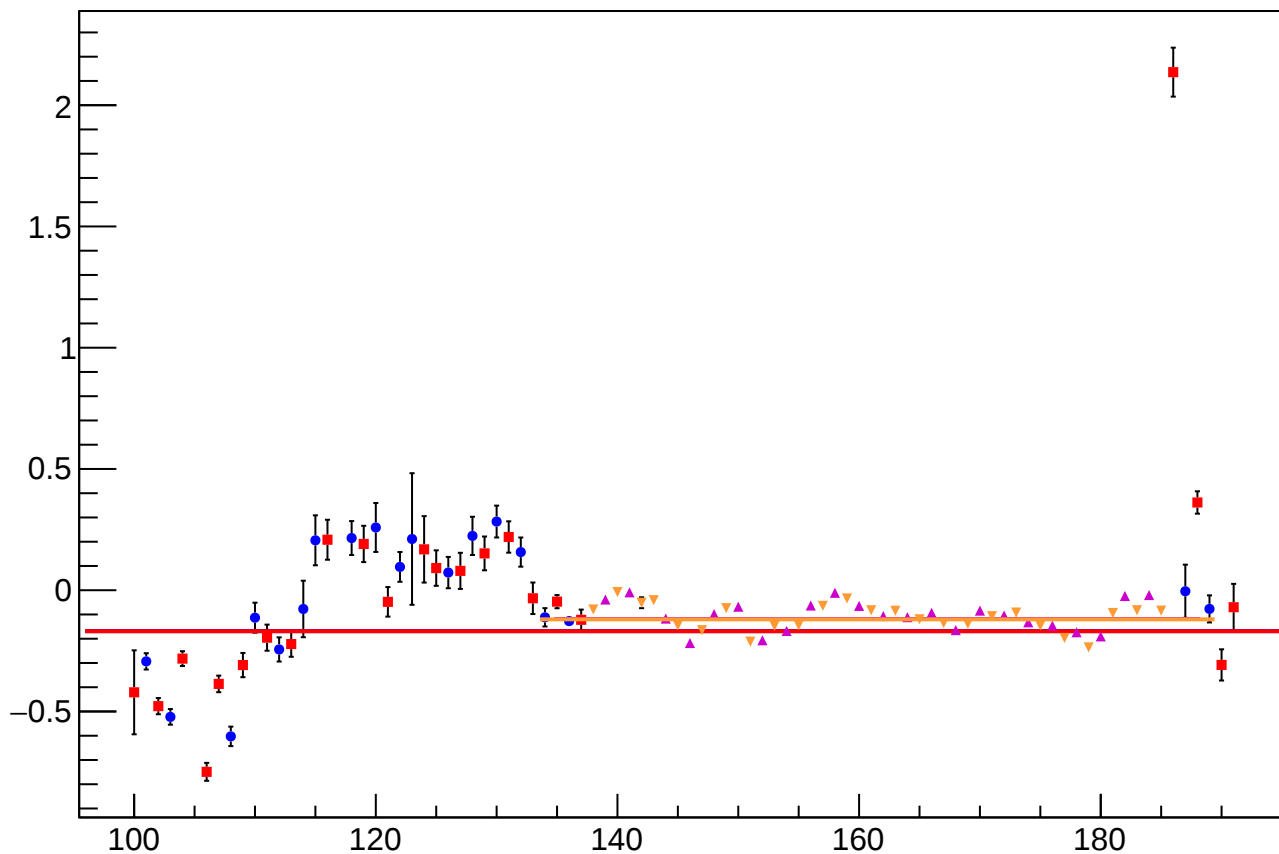
Left In: 20.194 ± 0.046 χ^2/NDF : 1447.4/22

+ sign 20.169 ± 0.045 χ^2/NDF : 2719.2/43

All: 20.195 ± 0.032 χ^2/NDF : 4948.0/89

- sign 20.220 ± 0.045 χ^2/NDF : 2228.2/45

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: -0.169 ± 0.010 χ^2/NDF : 1217.2/22

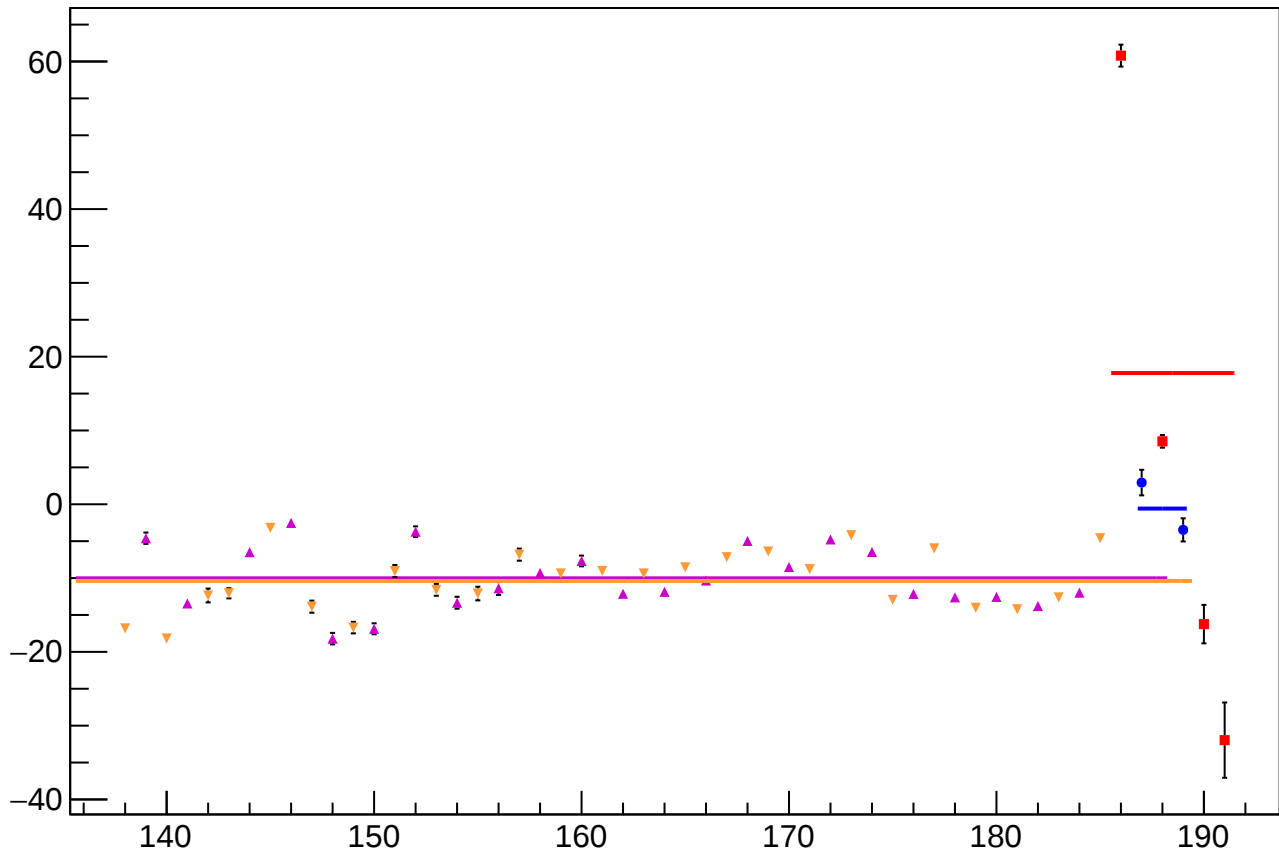
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.122 ± 0.002 χ^2/NDF : 1012.6/43

All: -0.121 ± 0.001 χ^2/NDF : 2974.3/89

- sign -0.121 ± 0.002 χ^2/NDF : 1961.5/45

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: 17.784 ± 0.708 χ^2/NDF : 1218.6/3

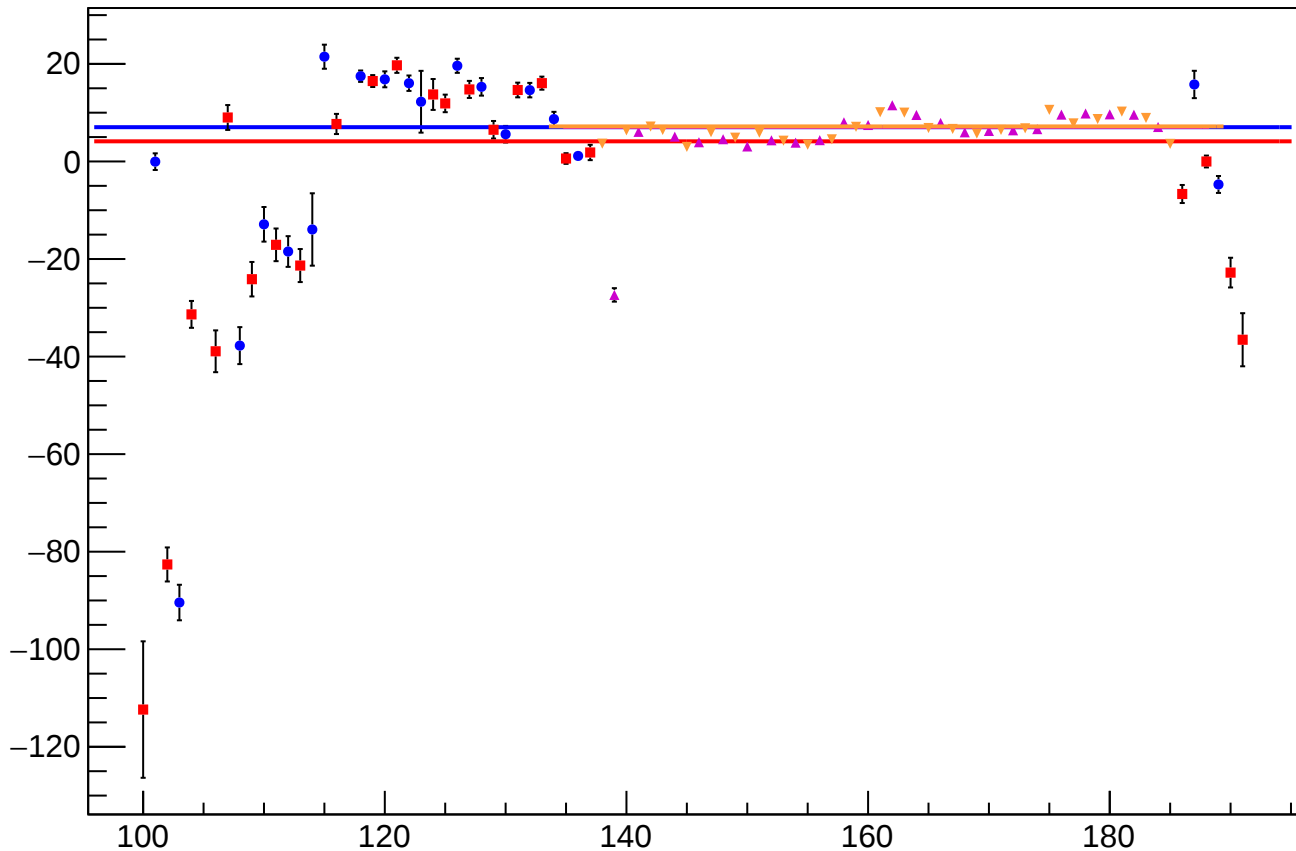
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.335 ± 0.088 χ^2/NDF : 2189.9/26

All: -9.972 ± 0.062 χ^2/NDF : 6720.5/53

- sign -9.598 ± 0.089 χ^2/NDF : 4495.7/26

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: 4.127 ± 0.395 χ^2/NDF : 1711.2/22

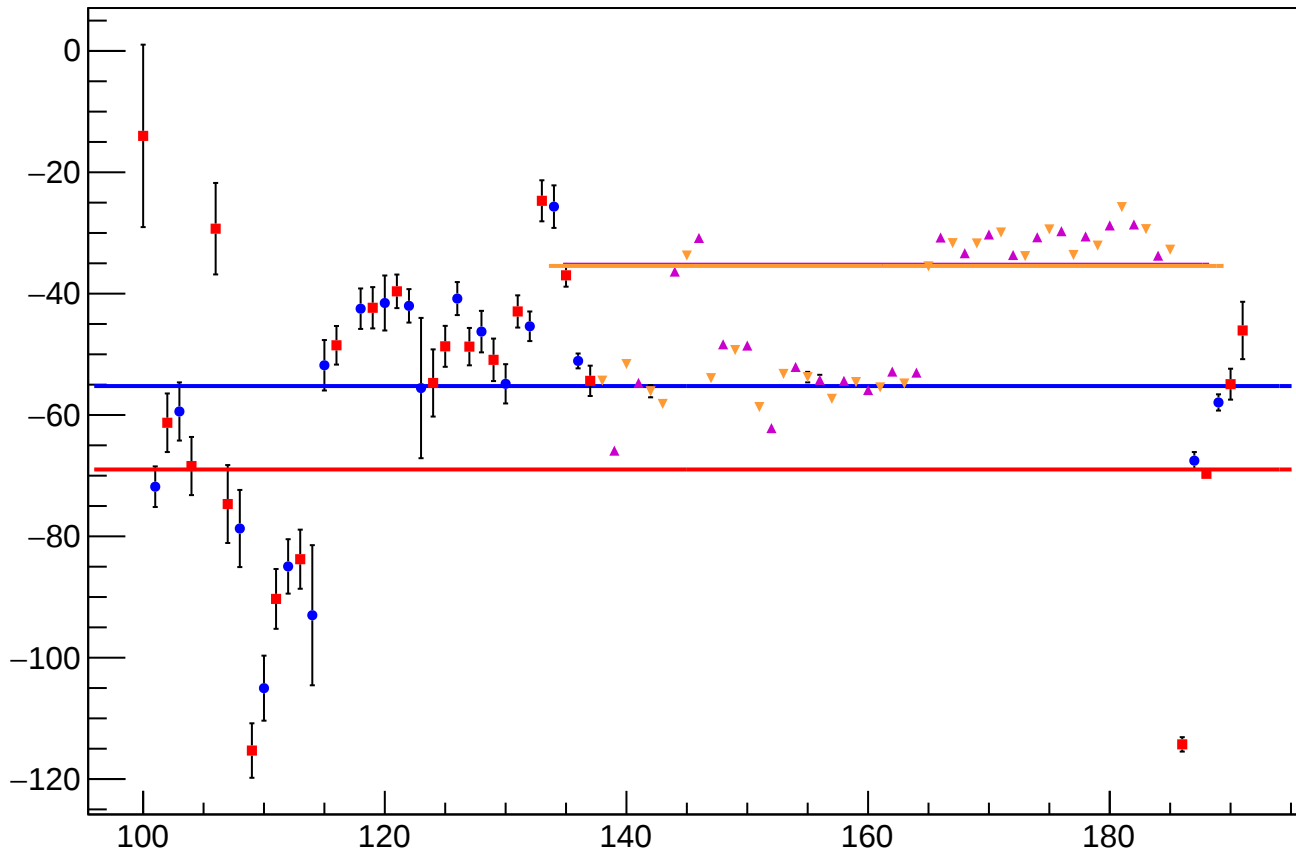
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.179 ± 0.072 χ^2/NDF : 2314.9/43

All: 7.067 ± 0.051 χ^2/NDF : 5619.7/89

- sign 6.953 ± 0.073 χ^2/NDF : 3299.9/45

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: -68.979 ± 0.469 χ^2/NDF : 2609.4/22

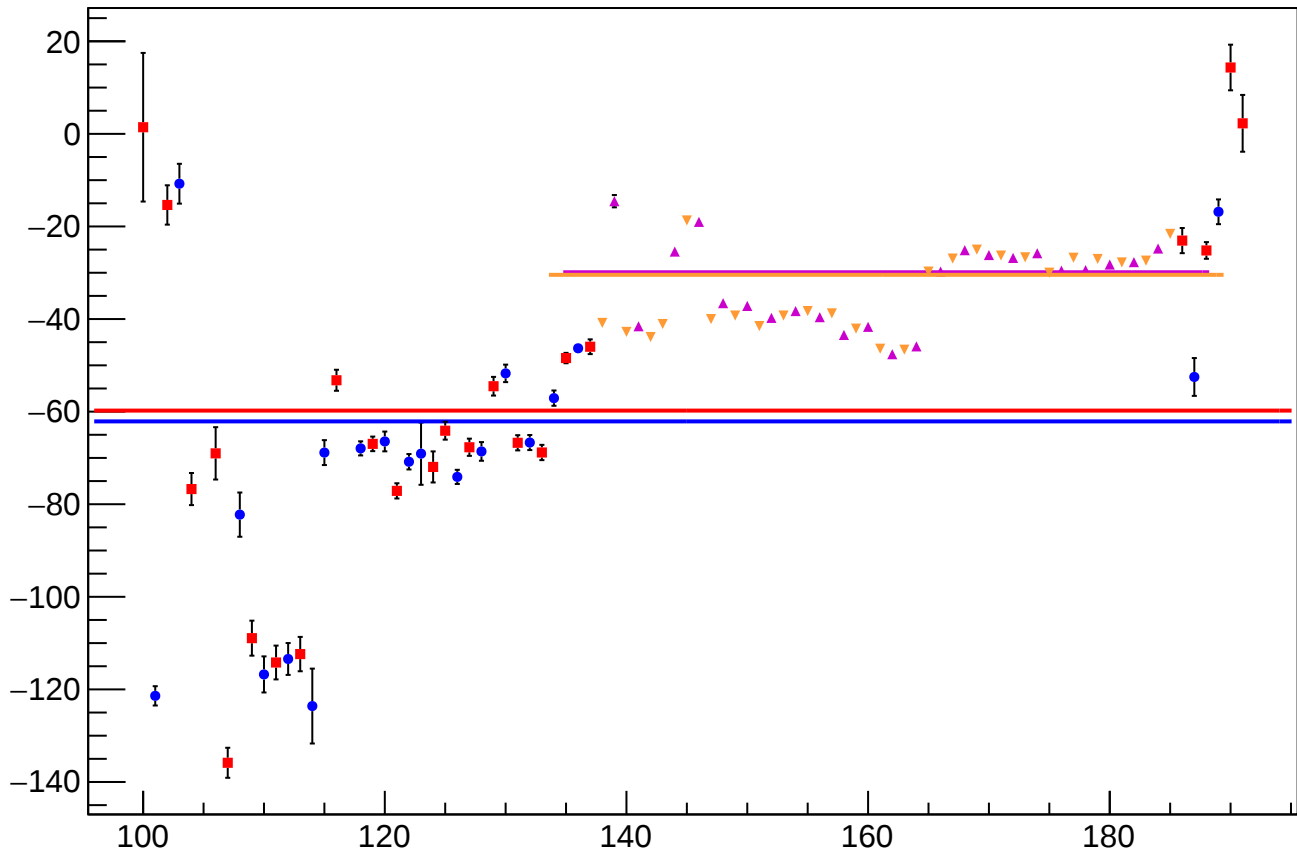
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.874 ± 0.088 χ^2/NDF : 14322.6/43

All: -36.152 ± 0.062 χ^2/NDF : 33558.5/89

- sign -36.432 ± 0.088 χ^2/NDF : 19215.9/45

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -62.108 ± 0.440 χ^2/NDF : 2308.0/18

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -59.775 ± 0.457 χ^2/NDF : 2580.4/22

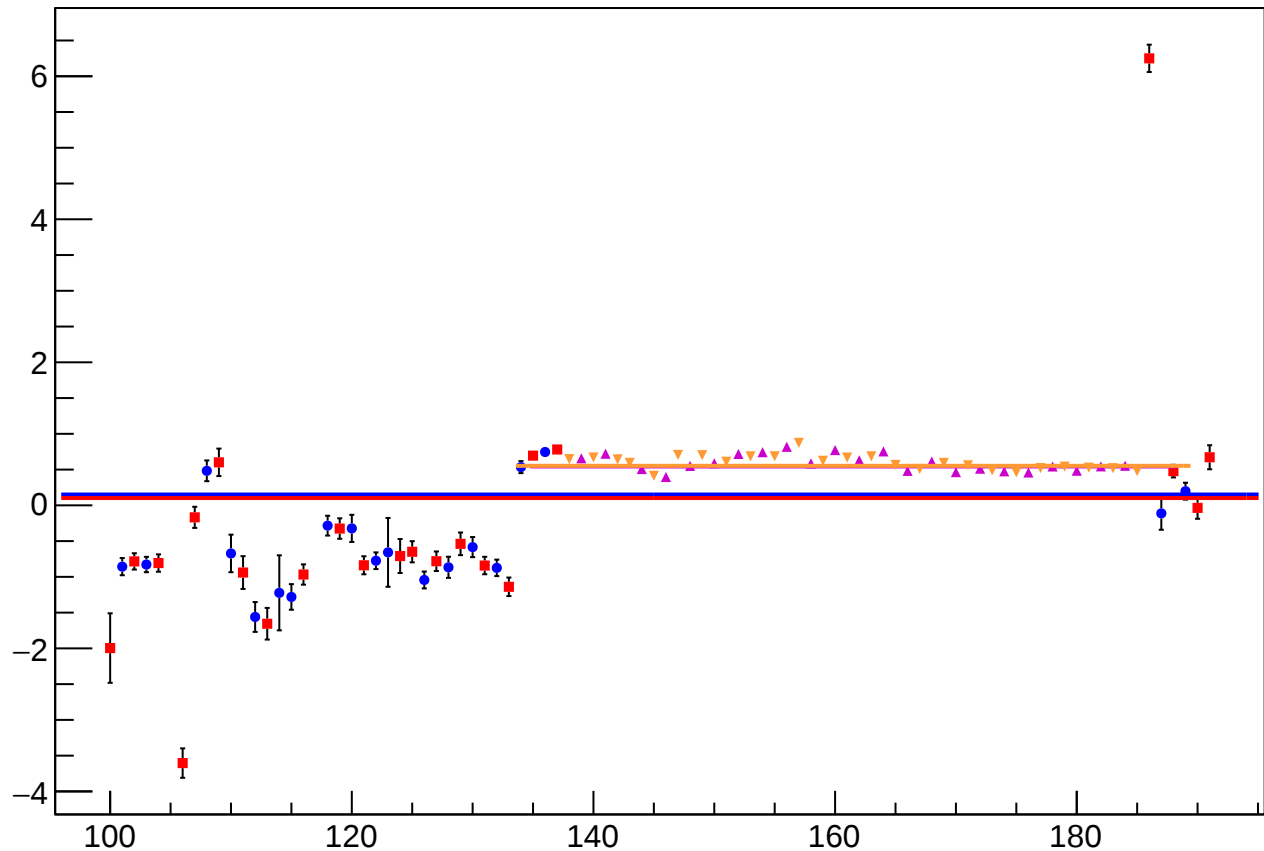
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.497 ± 0.080 χ^2/NDF : 15471.7/43

All: -31.171 ± 0.057 χ^2/NDF : 29336.8/89

- sign -30.836 ± 0.081 χ^2/NDF : 13831.6/45

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.151+/-0.023 χ^2/NDF : 988.8/18

Left Out: 0.553+/-0.004 χ^2/NDF : 542.1/24

Right Out: 0.102+/-0.024 χ^2/NDF : 2262.0/22

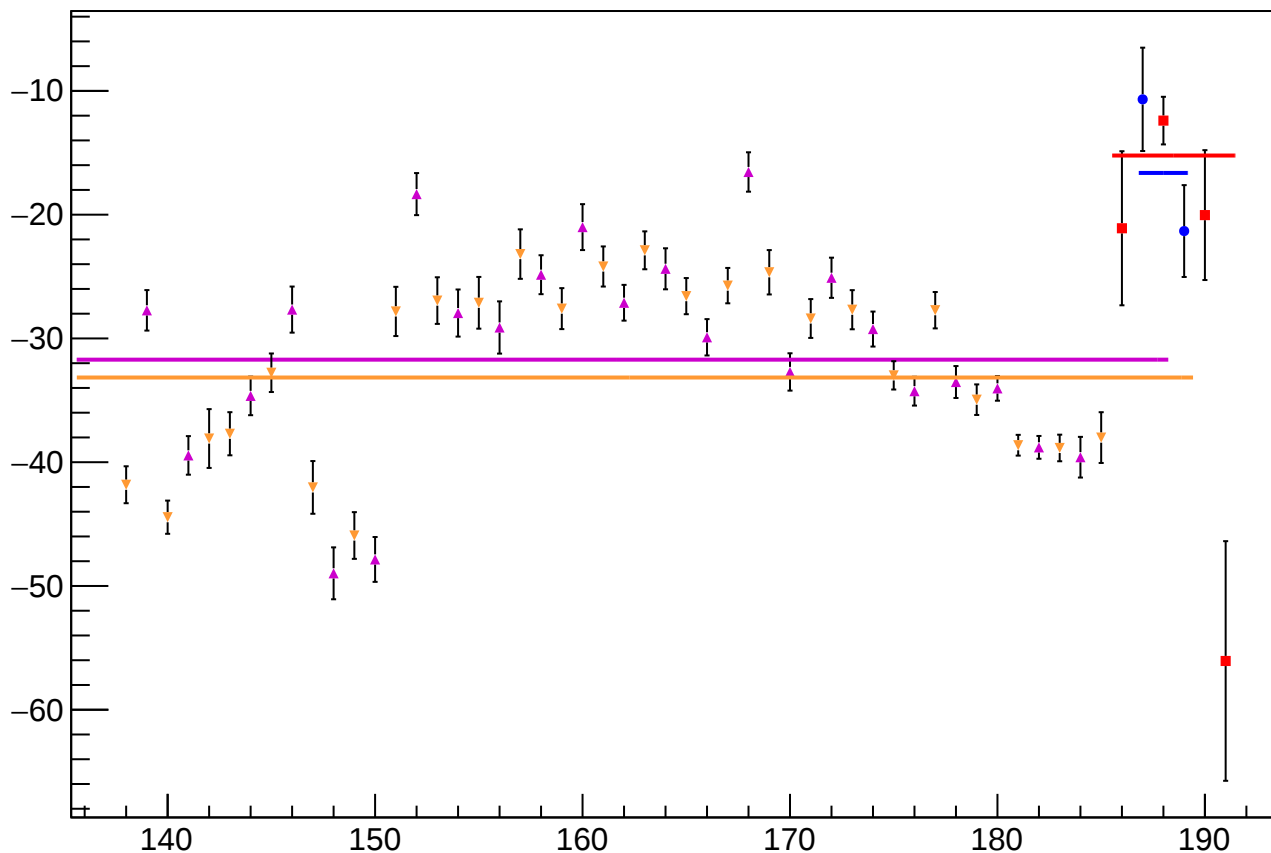
Left In: 0.544+/-0.004 χ^2/NDF : 655.9/22

+ sign 0.543+/-0.004 χ^2/NDF : 1817.0/43

All: 0.538+/-0.003 χ^2/NDF : 5057.7/89

- sign 0.533+/-0.004 χ^2/NDF : 3237.3/45

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -16.628 $\pm$ 2.774 χ^2 /NDF: 3.6/1

Left Out: -33.157 $\pm$ 0.300 χ^2 /NDF:500.1/24

Right Out: -15.221 $\pm$ 1.708 χ^2 /NDF: 21.7/3

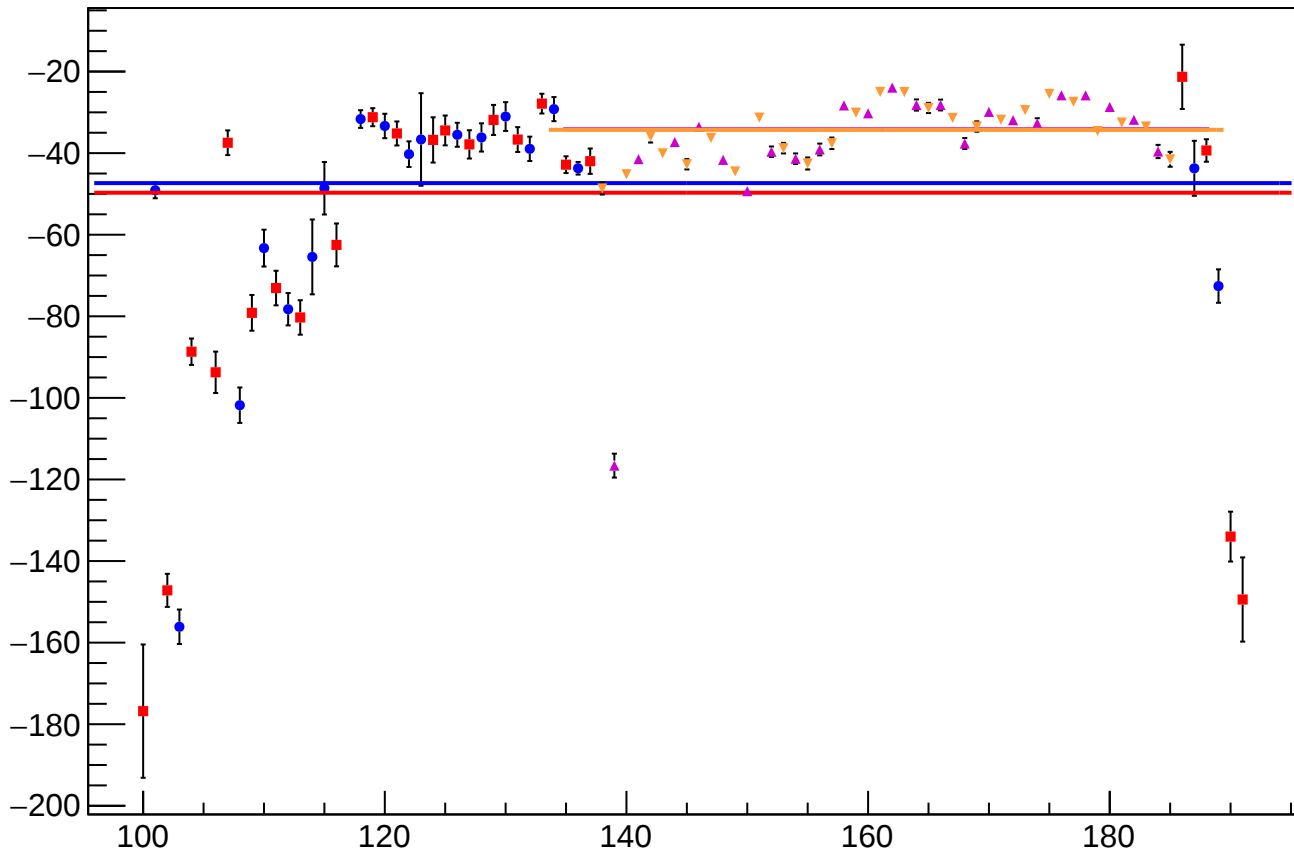
Left In: -31.714 $\pm$ 0.309 χ^2 /NDF:542.3/22

+ sign -32.965 $\pm$ 0.298 χ^2 /NDF: 538.8/26

All: -32.095 $\pm$ 0.213 χ^2 /NDF: 1210.4/53

- sign -31.192 $\pm$ 0.304 χ^2 /NDF: 654.3/26

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -47.347 ± 0.715 χ^2/NDF : 1115.3/18

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -49.704 ± 0.726 χ^2/NDF : 1589.4/22

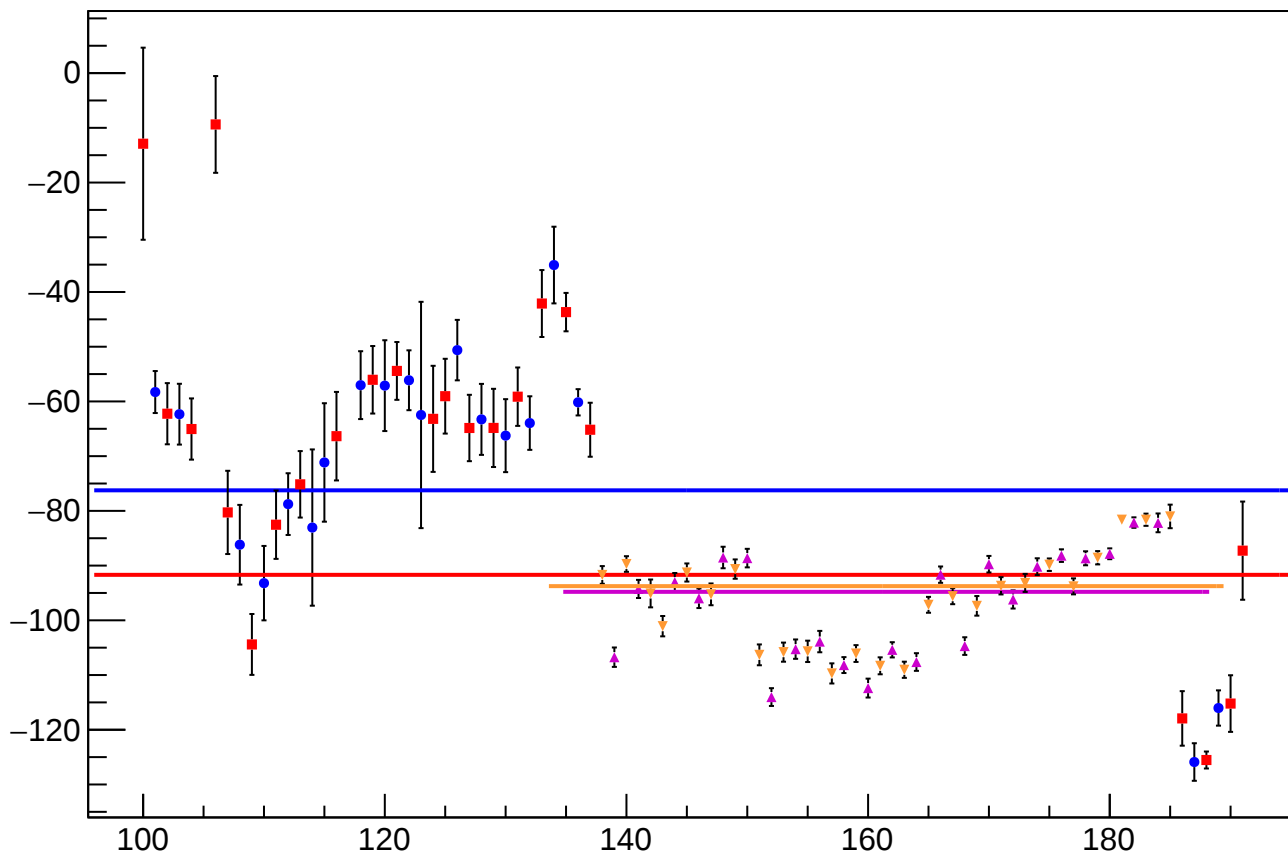
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -35.624 ± 0.229 χ^2/NDF : 2110.0/43

All: -35.710 ± 0.165 χ^2/NDF : 5562.2/89

- sign -35.802 ± 0.237 χ^2/NDF : 3451.9/45

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: -91.689 ± 0.986 χ^2/NDF : 1176.4/22

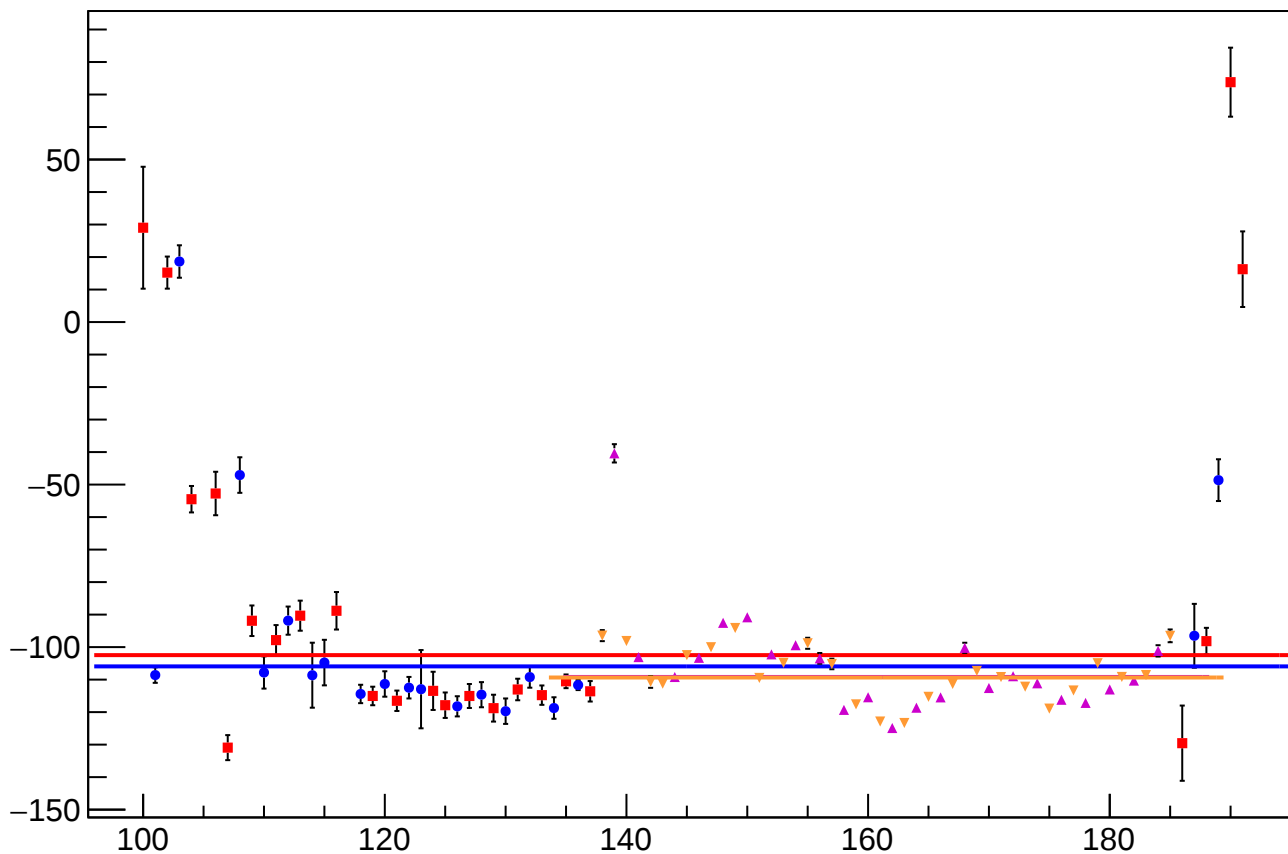
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.624 ± 0.292 χ^2/NDF : 1641.1/43

All: -93.564 ± 0.207 χ^2/NDF : 3822.1/89

- sign -94.519 ± 0.294 χ^2/NDF : 2160.1/45

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: -102.466 ± 0.837 χ^2/NDF : 1411.6/22

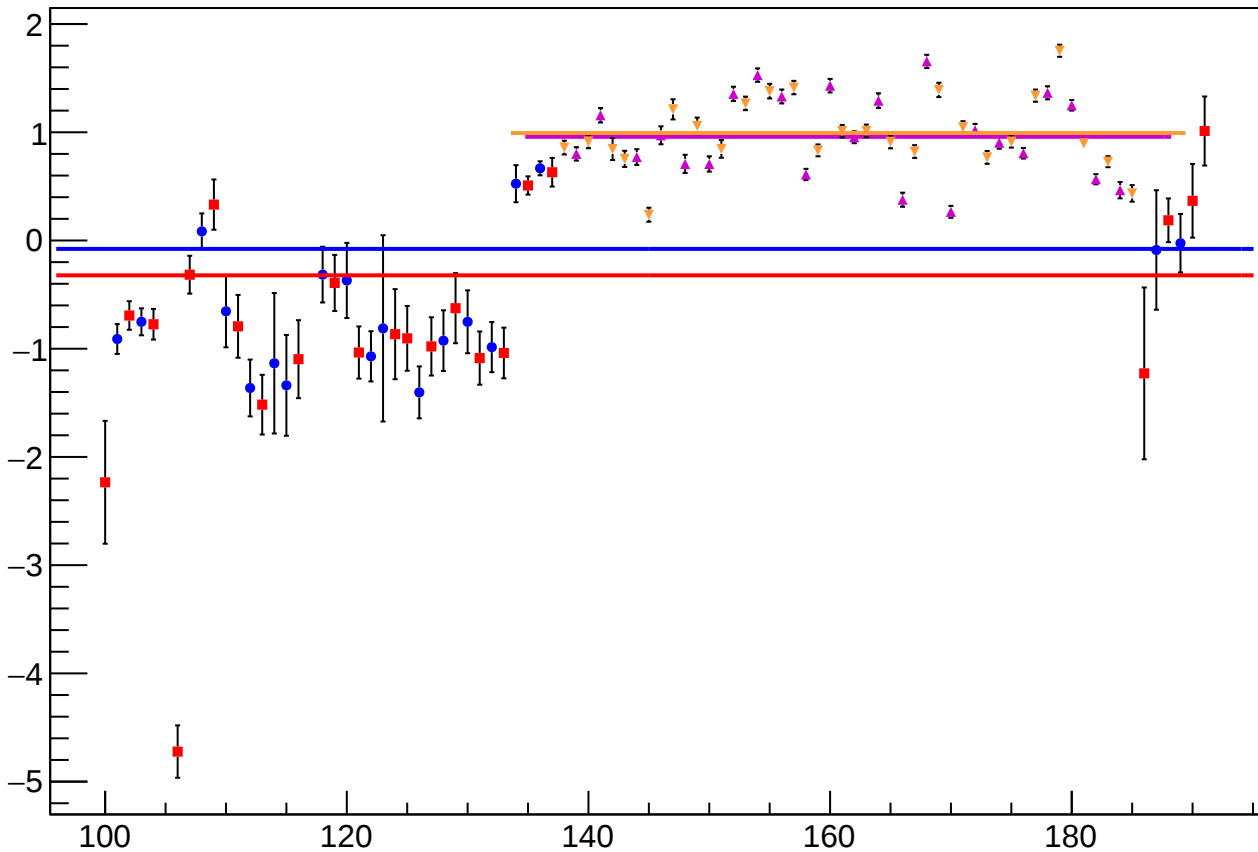
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -109.006 ± 0.257 χ^2/NDF : 1751.5/43

All: -108.765 ± 0.185 χ^2/NDF : 4724.0/89

- sign -108.508 ± 0.265 χ^2/NDF : 2970.7/45

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: -0.322 ± 0.042 χ^2/NDF : 611.1/22

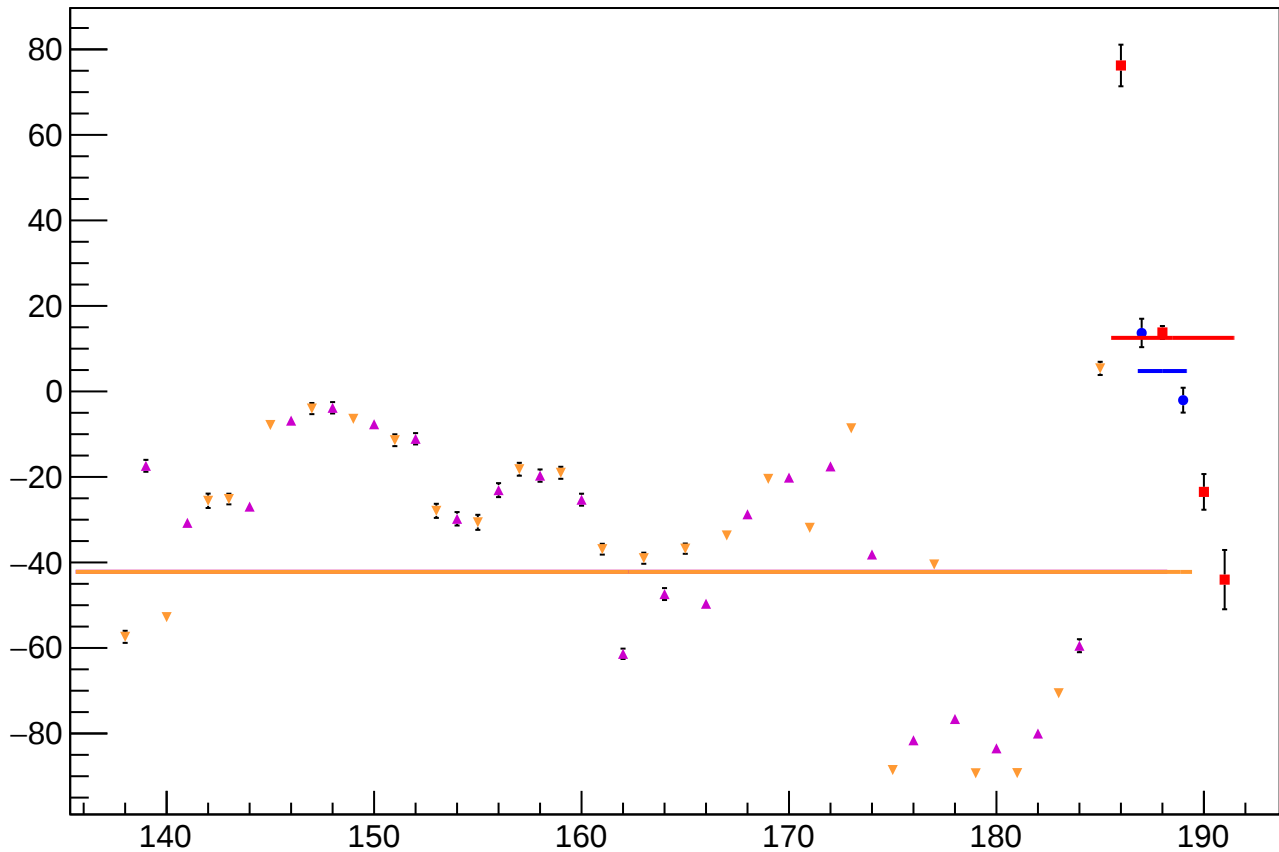
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.906 ± 0.012 χ^2/NDF : 1573.6/43

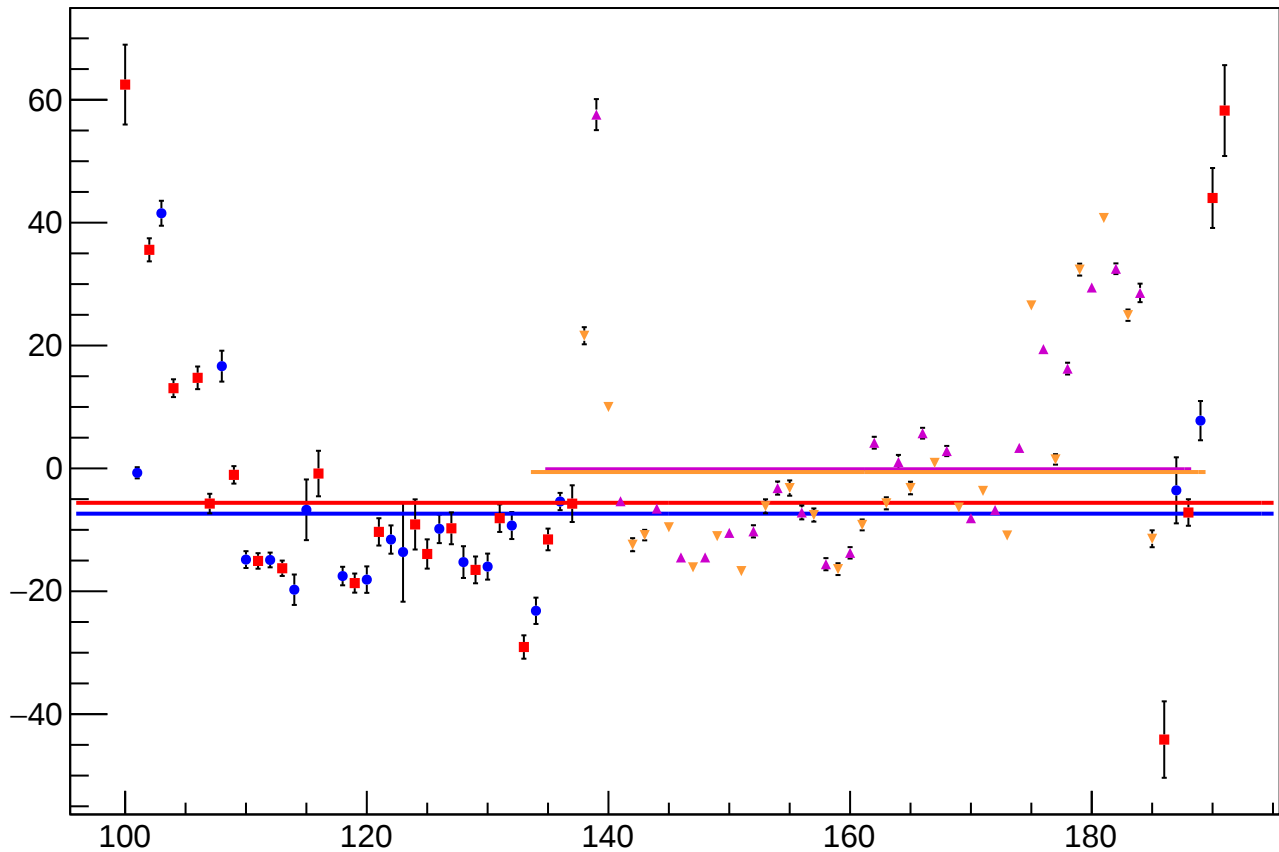
All: 0.880 ± 0.008 χ^2/NDF : 3930.7/89

- sign 0.853 ± 0.012 χ^2/NDF : 2347.3/45

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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: -5.601 ± 0.418 $\chi^2/\text{NDF}: 1515.9/22$

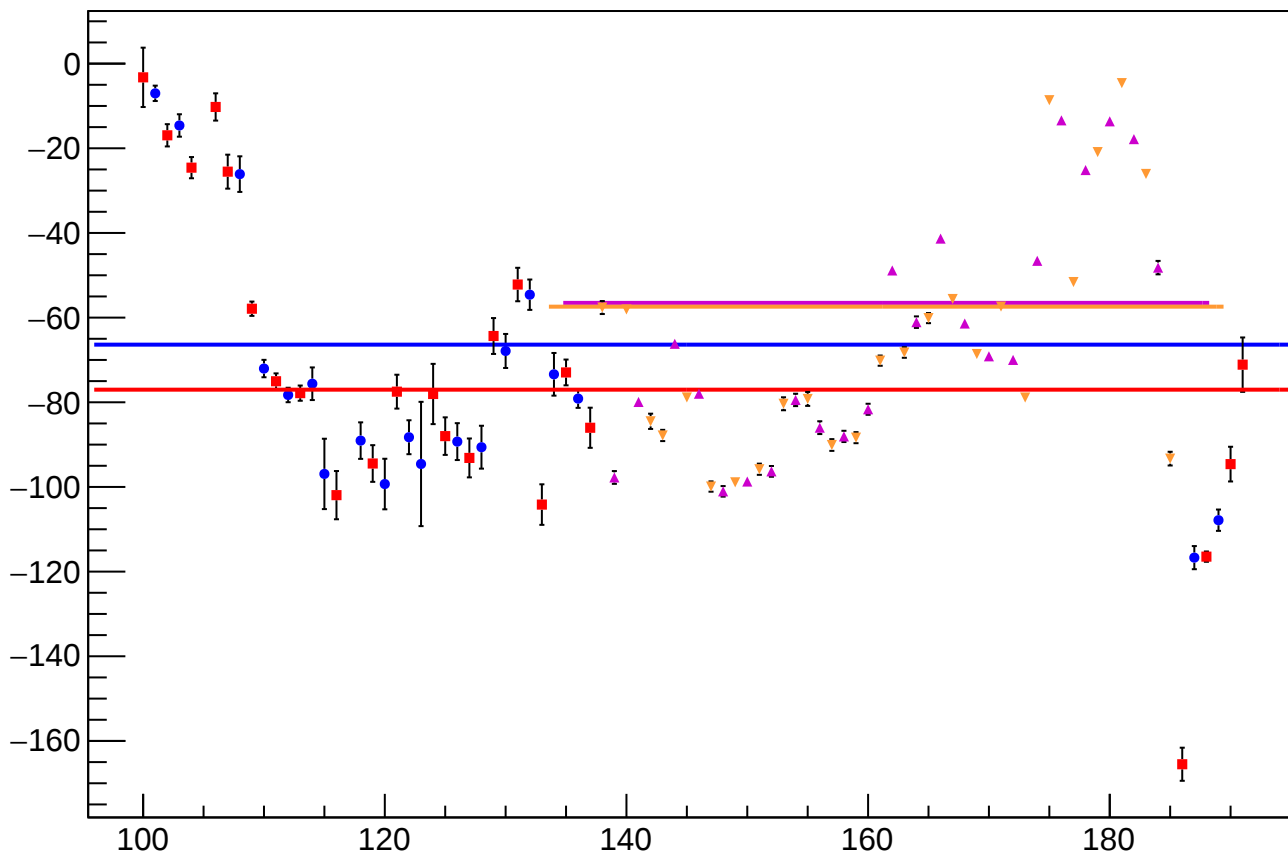
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -1.563 ± 0.161 $\chi^2/\text{NDF}: 9967.6/43$

All: -1.282 ± 0.115 $\chi^2/\text{NDF}: 18496.3/89$

- sign -0.989 ± 0.165 $\chi^2/\text{NDF}: 8522.5/45$

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: -77.021 ± 0.594 χ^2/NDF : 3514.8/22

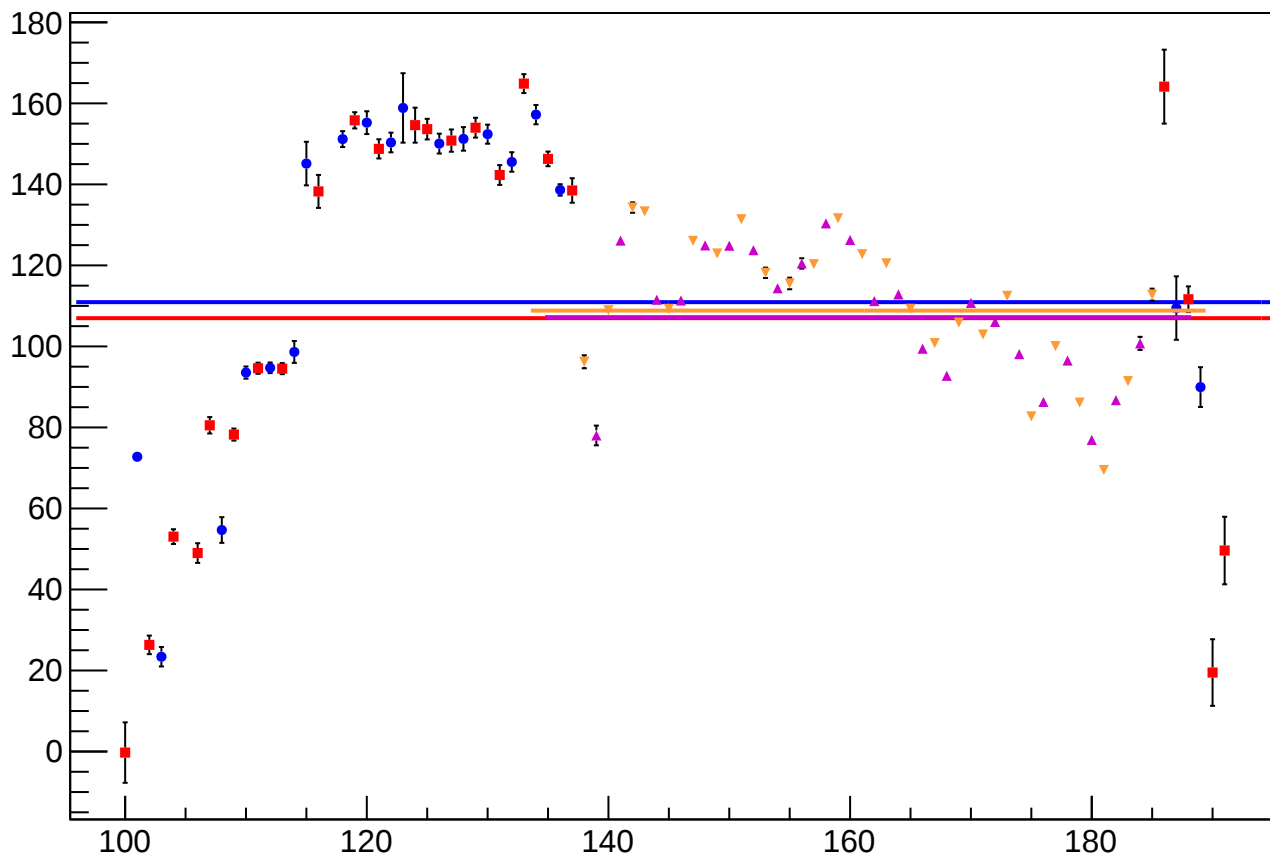
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.257 ± 0.212 χ^2/NDF : 21172.1/43

All: -58.696 ± 0.150 χ^2/NDF : 42087.6/89

- sign -59.133 ± 0.212 χ^2/NDF : 20907.0/45

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 110.925 $\pm$ 0.487 χ^2 /NDF: 5882.0/18

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 106.971 $\pm$ 0.480 χ^2 /NDF: 7245.2/22

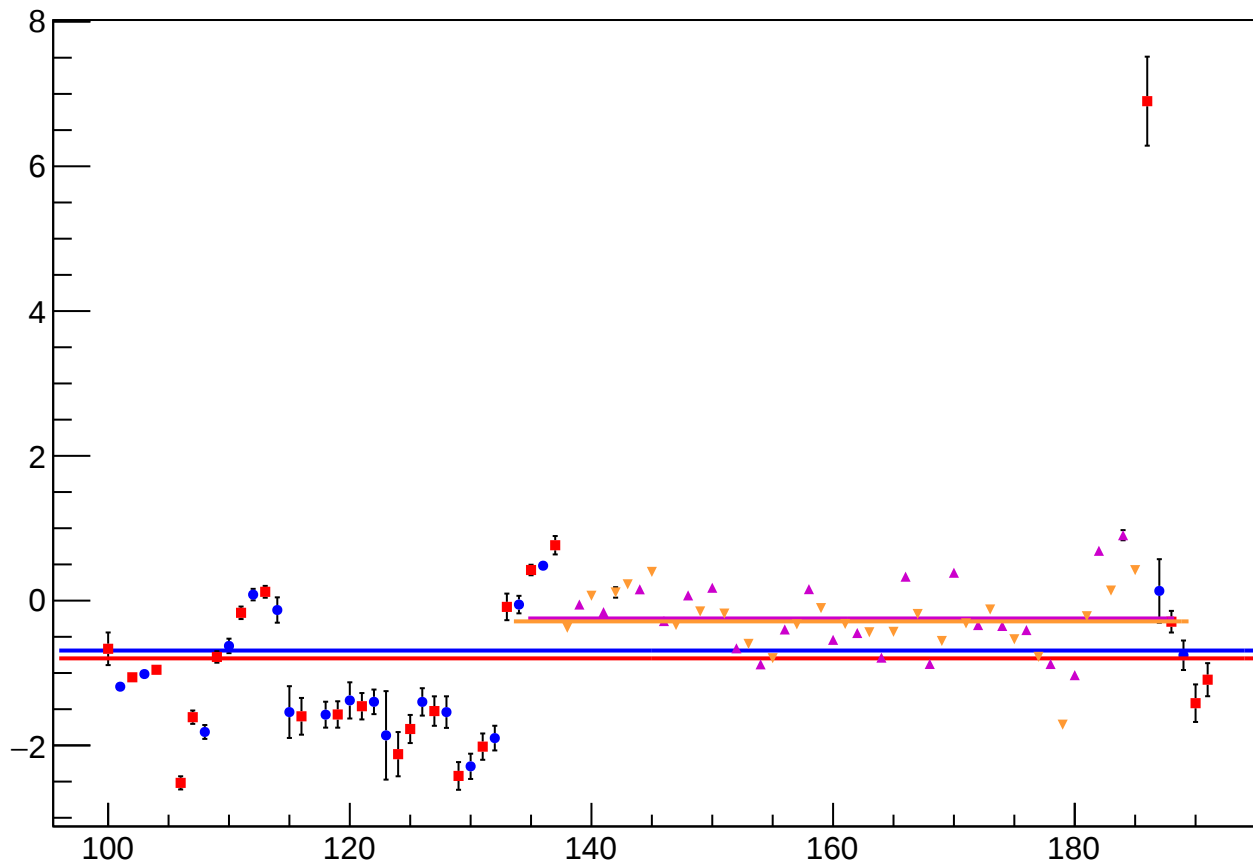
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 109.140 $\pm$ 0.183 χ^2 /NDF: 13297.9/43

All: 108.182 $\pm$ 0.131 χ^2 /NDF: 26164.5/89

- sign 107.186 $\pm$ 0.186 χ^2 /NDF: 12810.7/45

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: -0.798 ± 0.024 χ^2/NDF : 1478.7/22

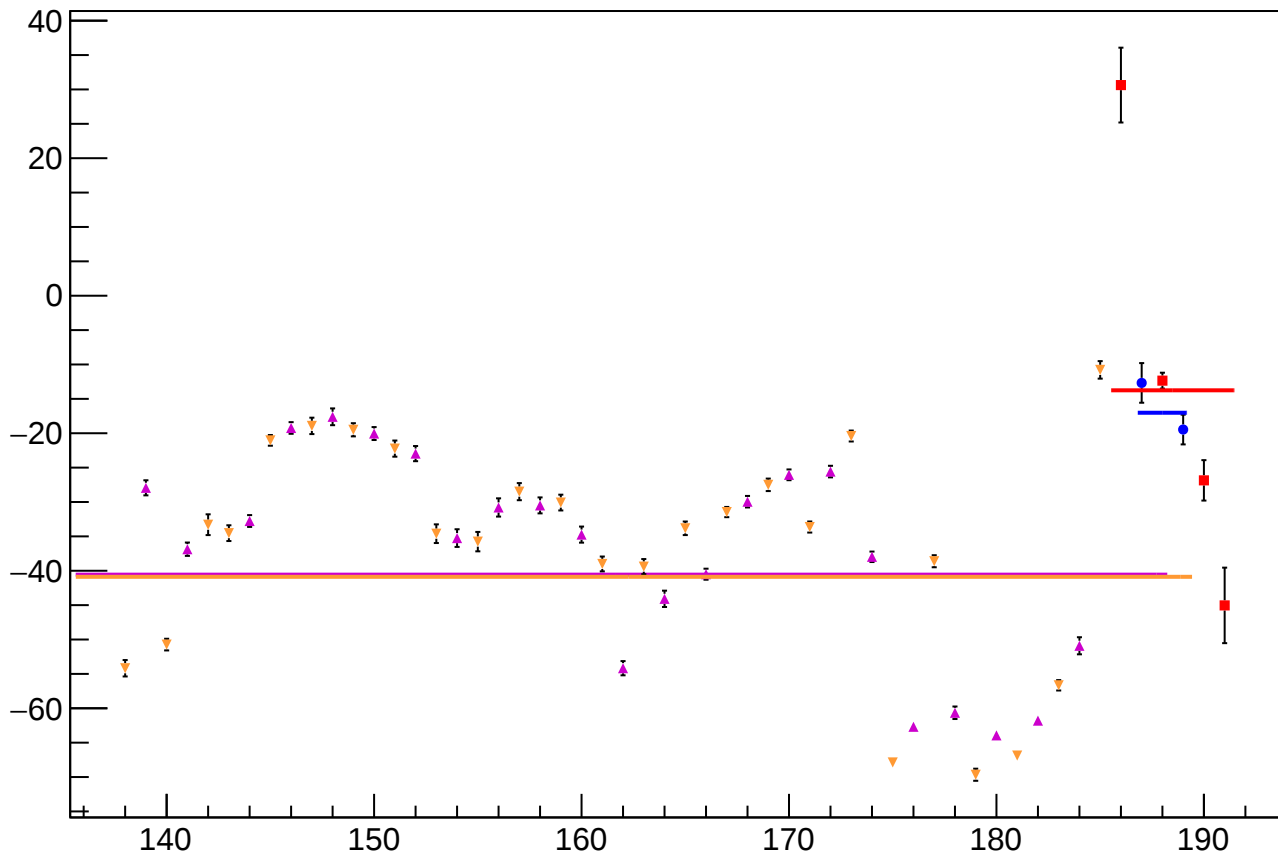
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.332 ± 0.009 χ^2/NDF : 3265.3/43

All: -0.325 ± 0.006 χ^2/NDF : 8003.8/89

- sign -0.319 ± 0.009 χ^2/NDF : 4737.5/45

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: -13.757 ± 1.036 χ^2/NDF : 120.3/3

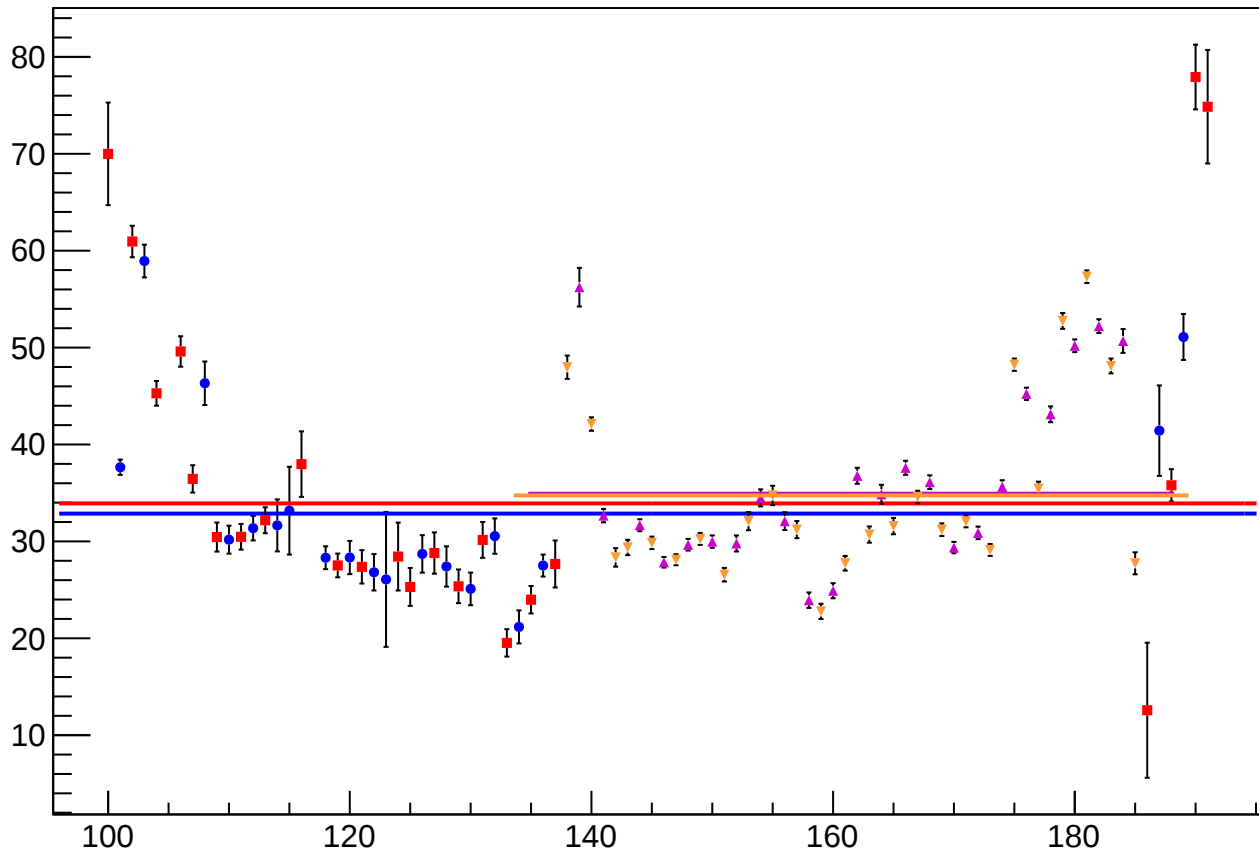
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.607 ± 0.185 χ^2/NDF : 9314.8/26

All: -40.155 ± 0.131 χ^2/NDF : 17050.2/53

- sign -39.695 ± 0.187 χ^2/NDF : 7723.4/26

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.870 $\pm$ 0.370 χ^2 /NDF: 514.8/18

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF:3693.2/24

Right Out: 33.919 $\pm$ 0.366 χ^2 /NDF: 1010.5/22

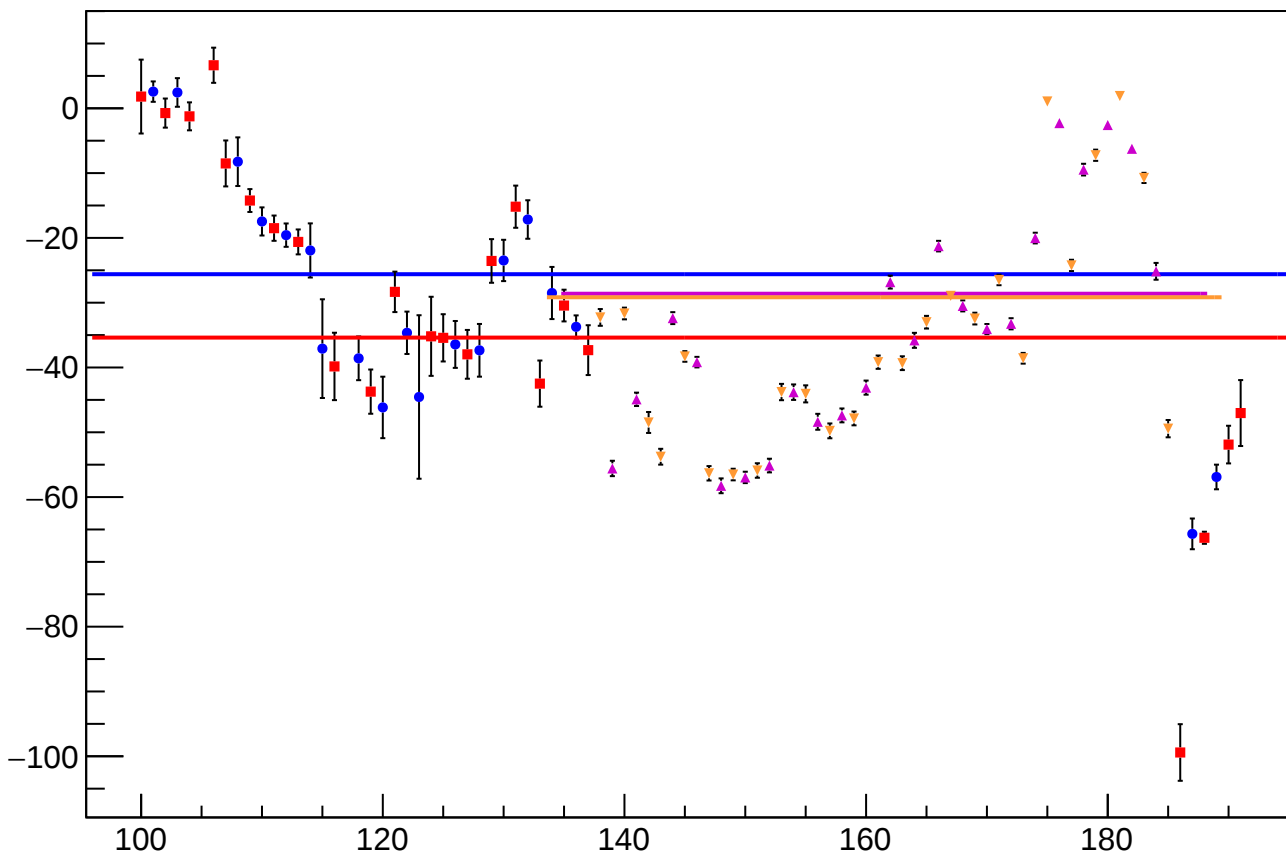
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF:2672.9/22

+ sign 34.485 $\pm$ 0.137 χ^2 /NDF: 4230.0/43

All: 34.627 $\pm$ 0.098 χ^2 /NDF: 7922.0/89

- sign 34.776 $\pm$ 0.140 χ^2 /NDF: 3689.8/45

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -25.603 ± 0.610 χ^2/NDF : 1178.9/18

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -35.386 ± 0.516 χ^2/NDF : 2523.4/22

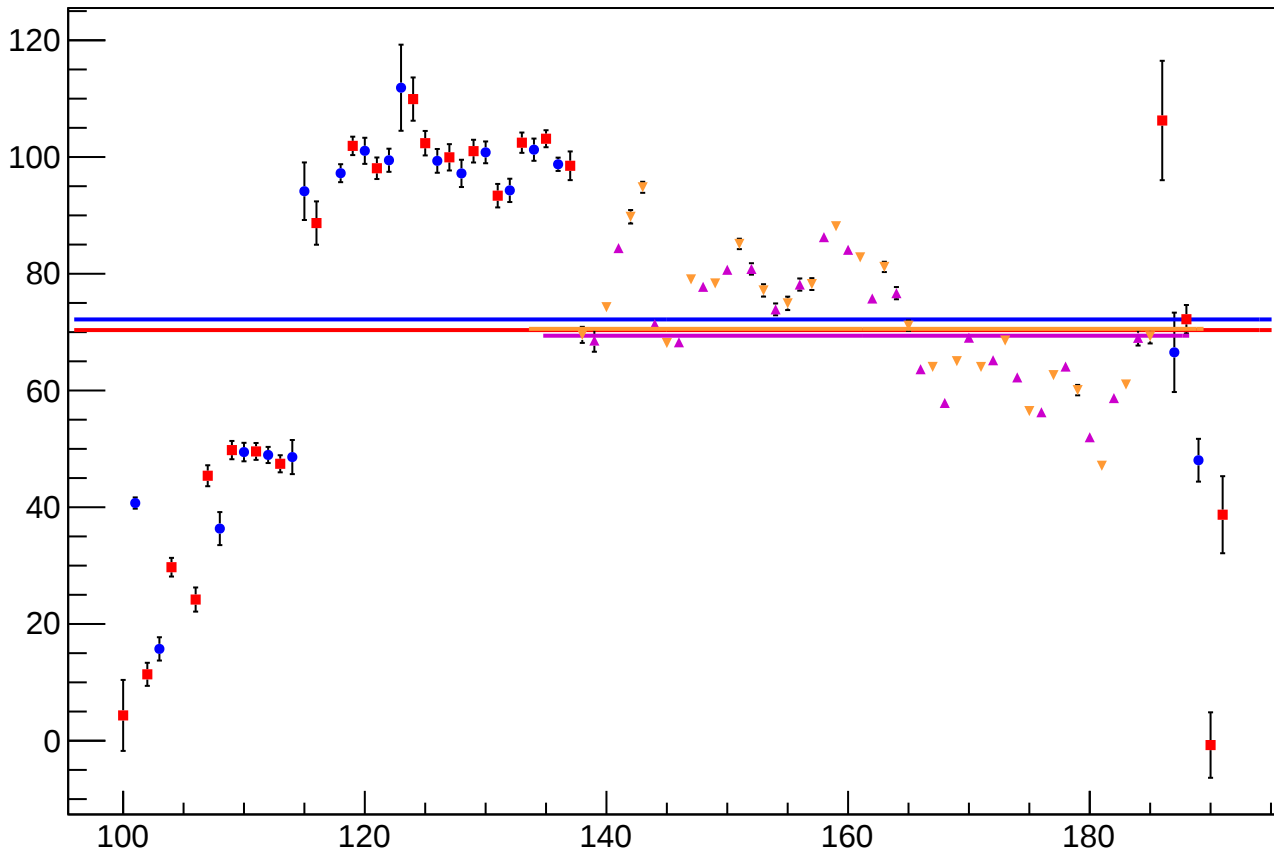
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -28.857 ± 0.179 χ^2/NDF : 11336.1/43

All: -29.142 ± 0.126 χ^2/NDF : 23057.2/89

- sign -29.425 ± 0.178 χ^2/NDF : 11716.1/45

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.176 ± 0.425 $\chi^2/\text{NDF}: 4716.8/18$

Left Out: 70.563 ± 0.166 $\chi^2/\text{NDF}: 4589.1/24$

Right Out: 70.352 ± 0.425 $\chi^2/\text{NDF}: 5692.1/22$

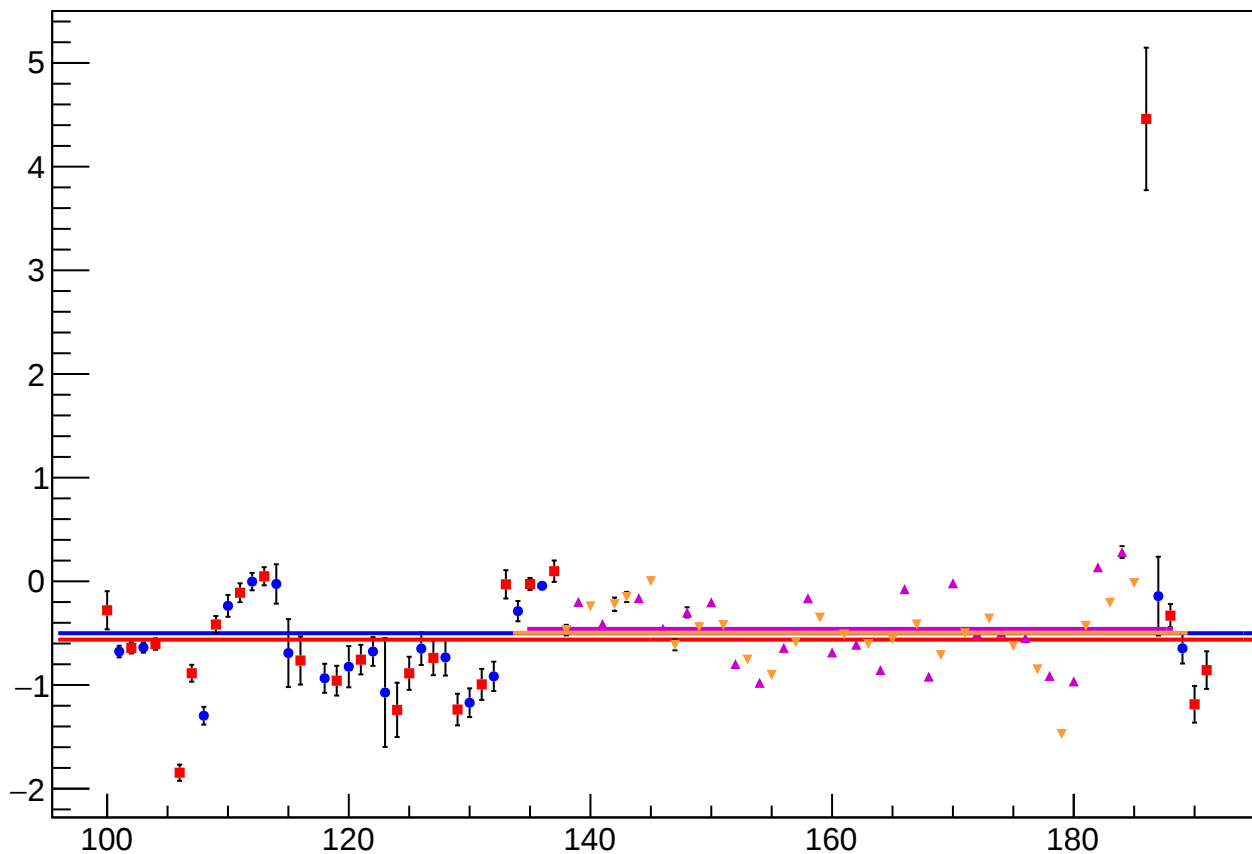
Left In: 69.387 ± 0.170 $\chi^2/\text{NDF}: 3321.8/22$

+ sign 70.776 ± 0.155 $\chi^2/\text{NDF}: 9318.4/43$

All: 70.161 ± 0.111 $\chi^2/\text{NDF}: 18369.1/89$

- sign 69.521 ± 0.158 $\chi^2/\text{NDF}: 9018.4/45$

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: -0.562 ± 0.021 χ^2/NDF : 633.0/22

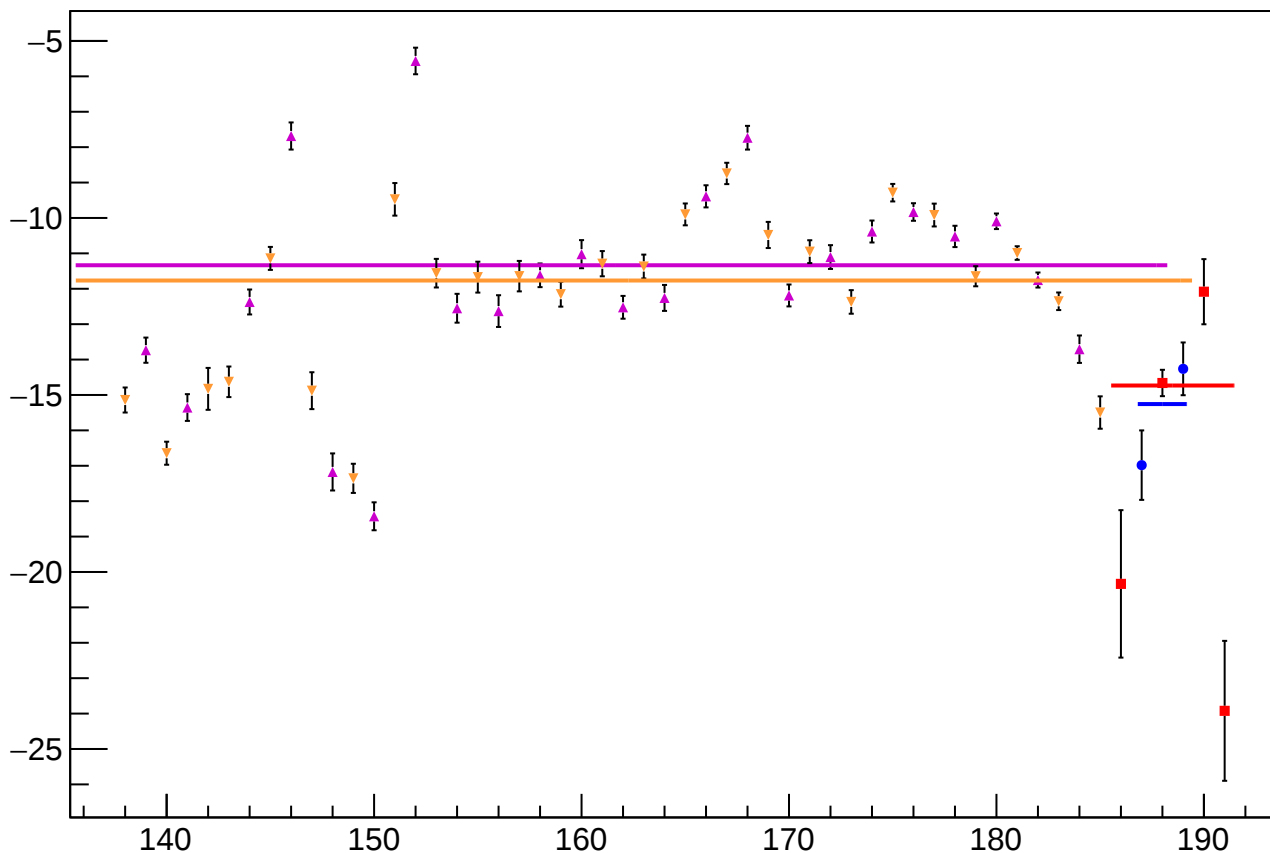
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.497 ± 0.007 χ^2/NDF : 1753.3/43

All: -0.484 ± 0.005 χ^2/NDF : 4372.8/89

- sign -0.471 ± 0.007 χ^2/NDF : 2613.2/45

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.257 ± 0.593 $\chi^2/\text{NDF}: 4.9/1$

Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$

Right Out: -14.733 ± 0.335 $\chi^2/\text{NDF}: 37.2/3$

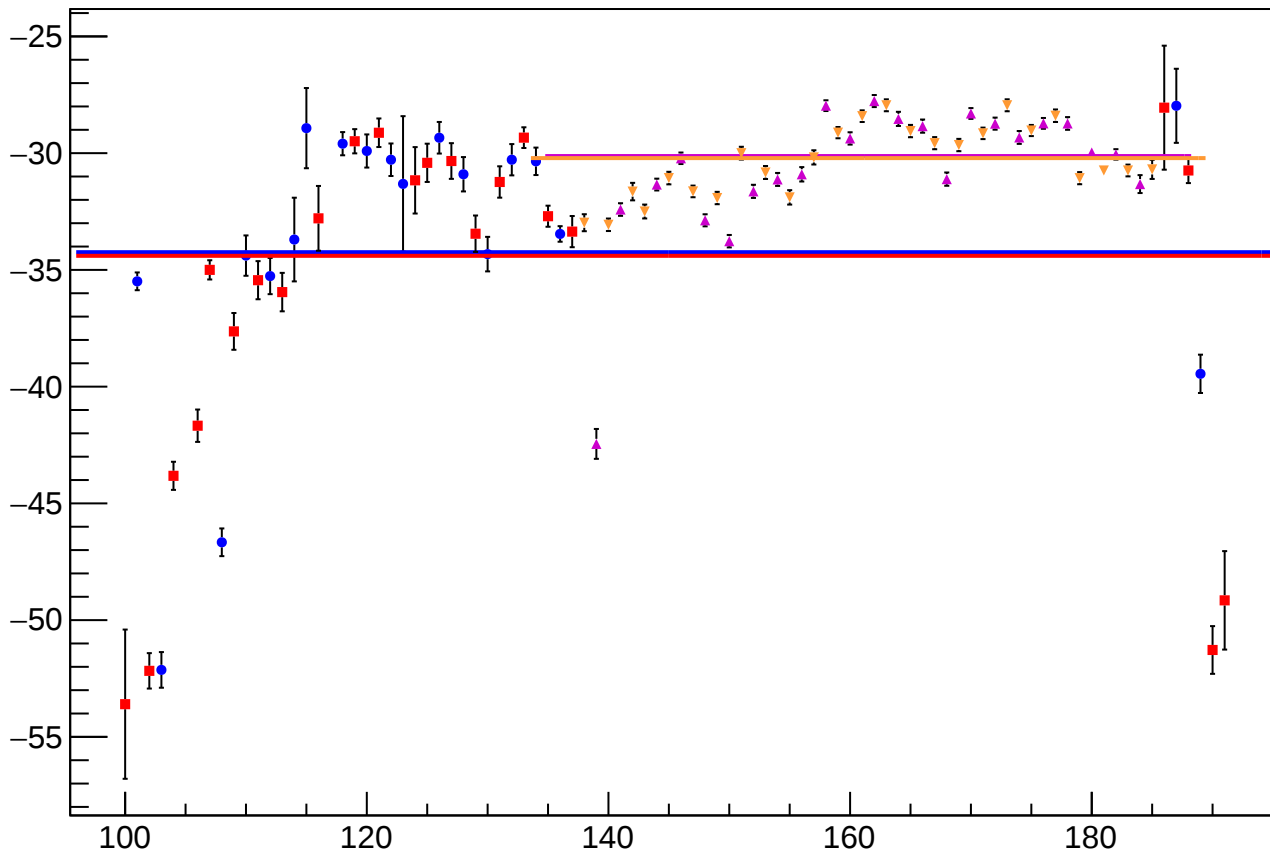
Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -11.810 ± 0.066 $\chi^2/\text{NDF}: 1059.9/26$

All: -11.641 ± 0.047 $\chi^2/\text{NDF}: 2478.0/53$

- sign -11.470 ± 0.067 $\chi^2/\text{NDF}: 1405.0/26$

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: -34.397 ± 0.143 χ^2/NDF : 1730.3/22

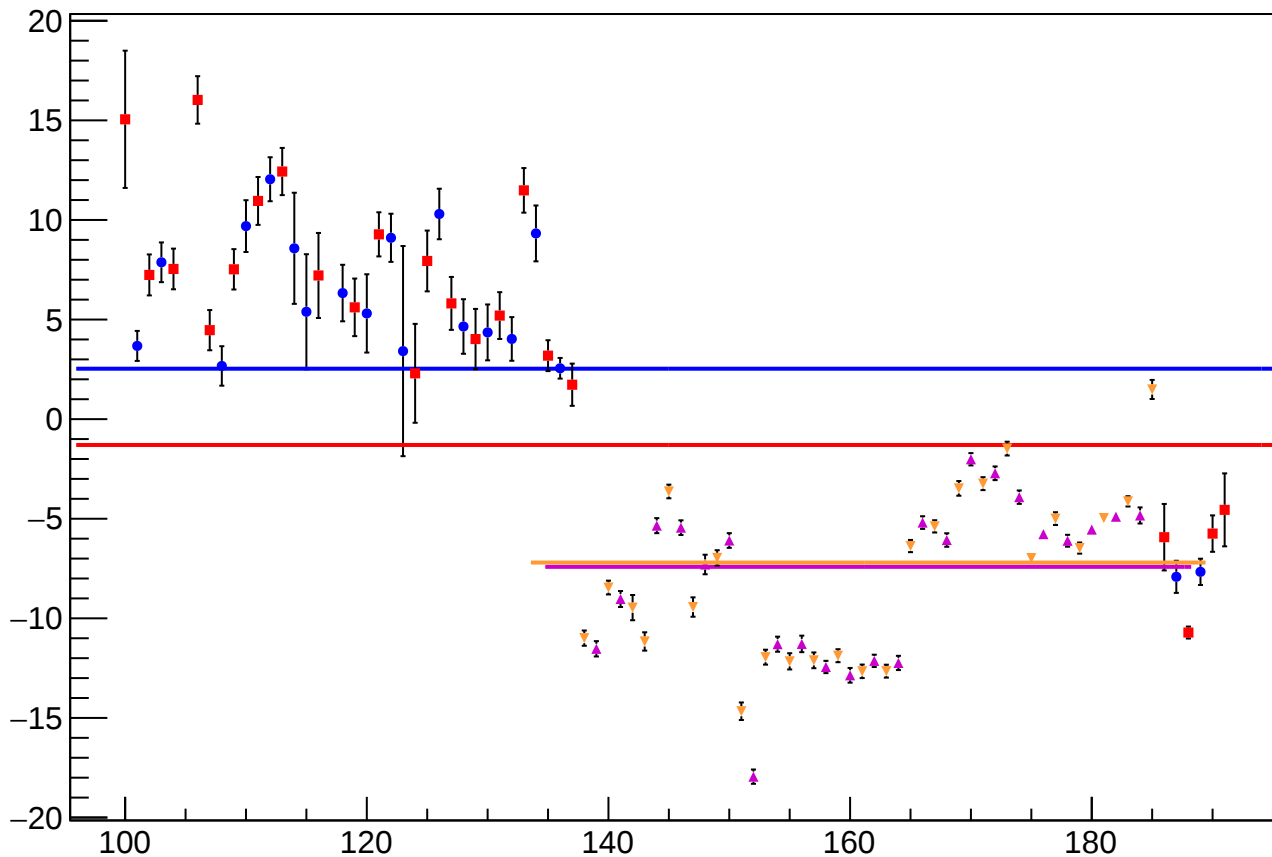
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.679 ± 0.051 χ^2/NDF : 2763.4/43

All: -30.680 ± 0.036 χ^2/NDF : 6491.8/89

- sign -30.680 ± 0.052 χ^2/NDF : 3728.4/45

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 2.533 $\pm$ 0.239 χ^2 /NDF: 653.8/18

Left Out: -7.199 $\pm$ 0.067 χ^2 /NDF:3037.3/24

Right Out: -1.297 $\pm$ 0.195 χ^2 /NDF: 2154.4/22

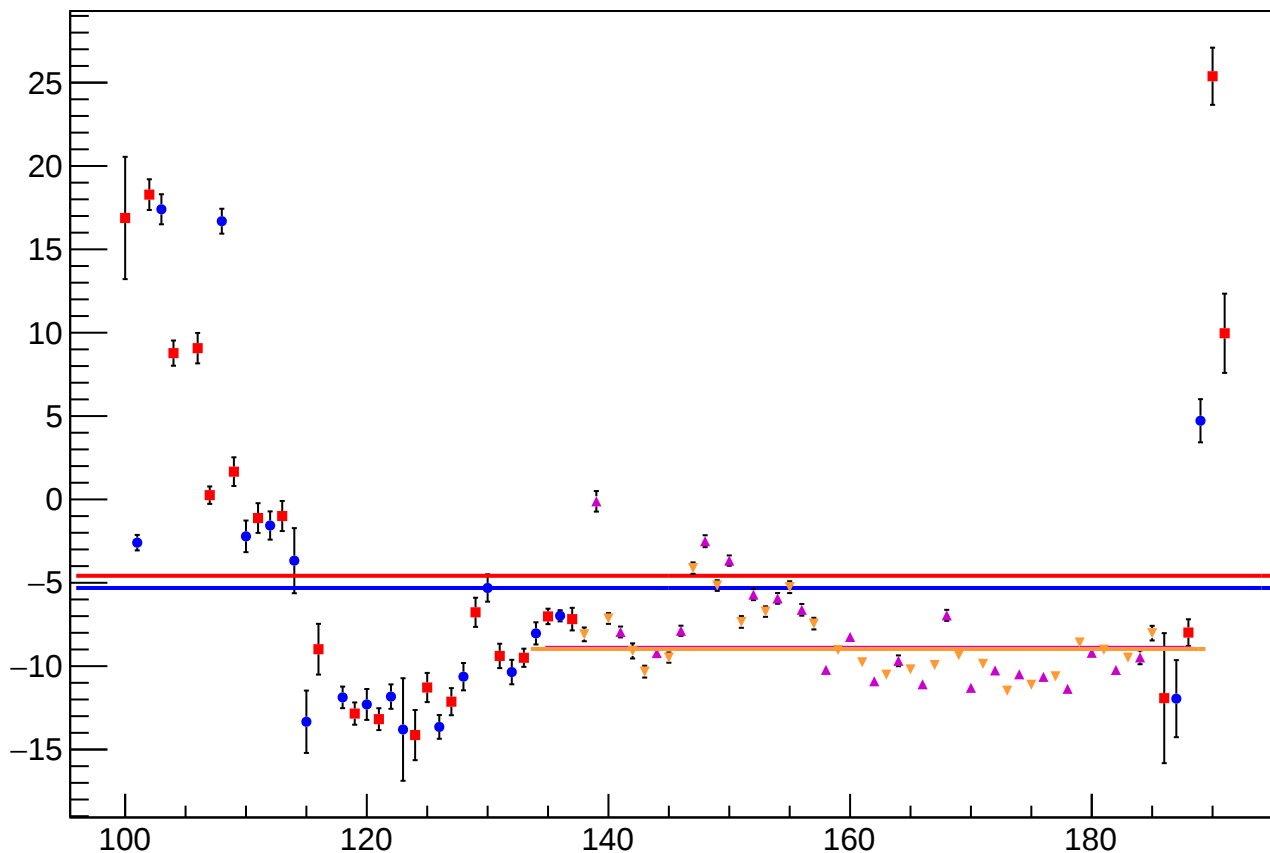
Left In: -7.415 $\pm$ 0.068 χ^2 /NDF:3123.3/22

+ sign -6.493 $\pm$ 0.064 χ^2 /NDF: 5226.5/43

All: -6.626 $\pm$ 0.045 χ^2 /NDF: 11387.1/89

- sign -6.757 $\pm$ 0.064 χ^2 /NDF: 6152.3/45

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: -4.580 ± 0.168 χ^2/NDF : 2413.4/22

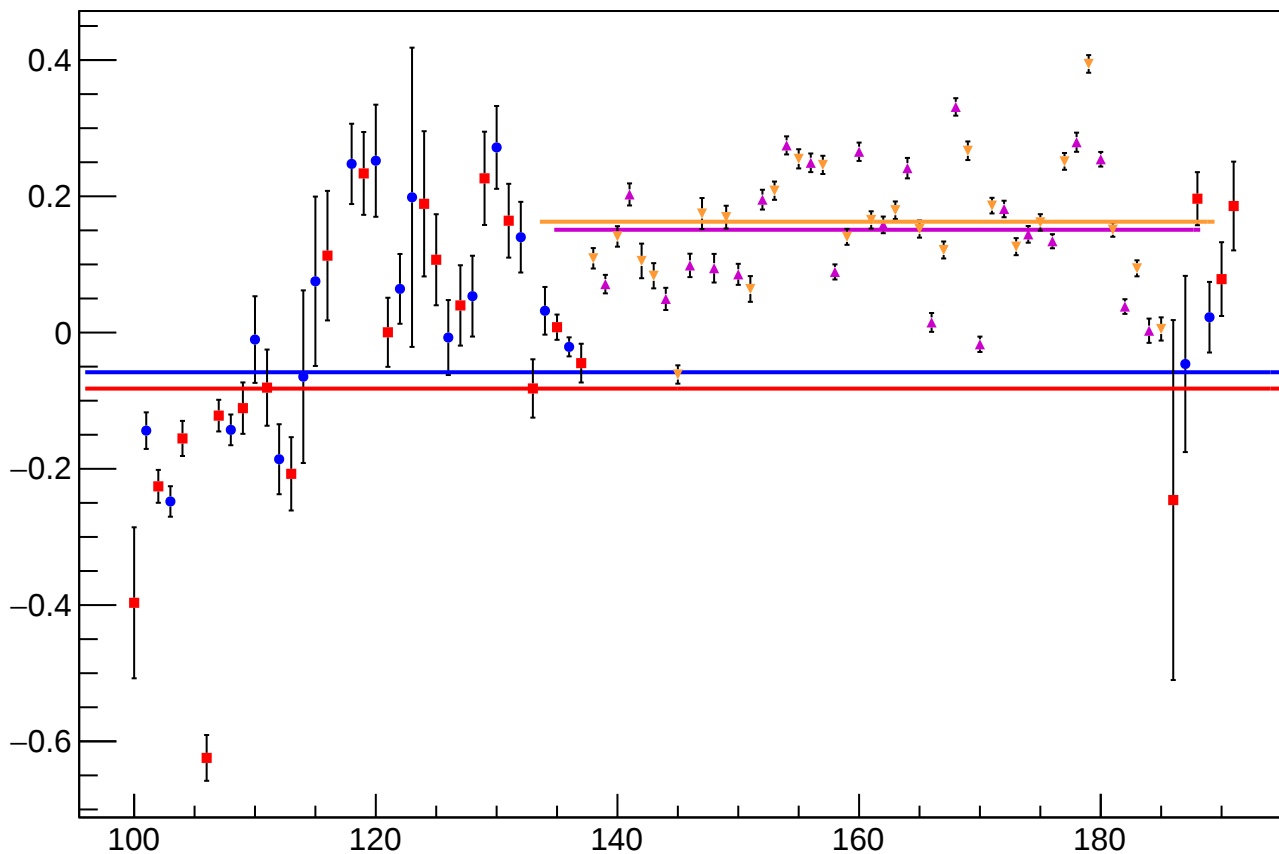
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.559 ± 0.057 χ^2/NDF : 3460.1/43

All: -8.475 ± 0.040 χ^2/NDF : 7995.6/89

- sign -8.387 ± 0.058 χ^2/NDF : 4531.0/45

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: -0.082±/0.008 χ^2/NDF : 516.7/22

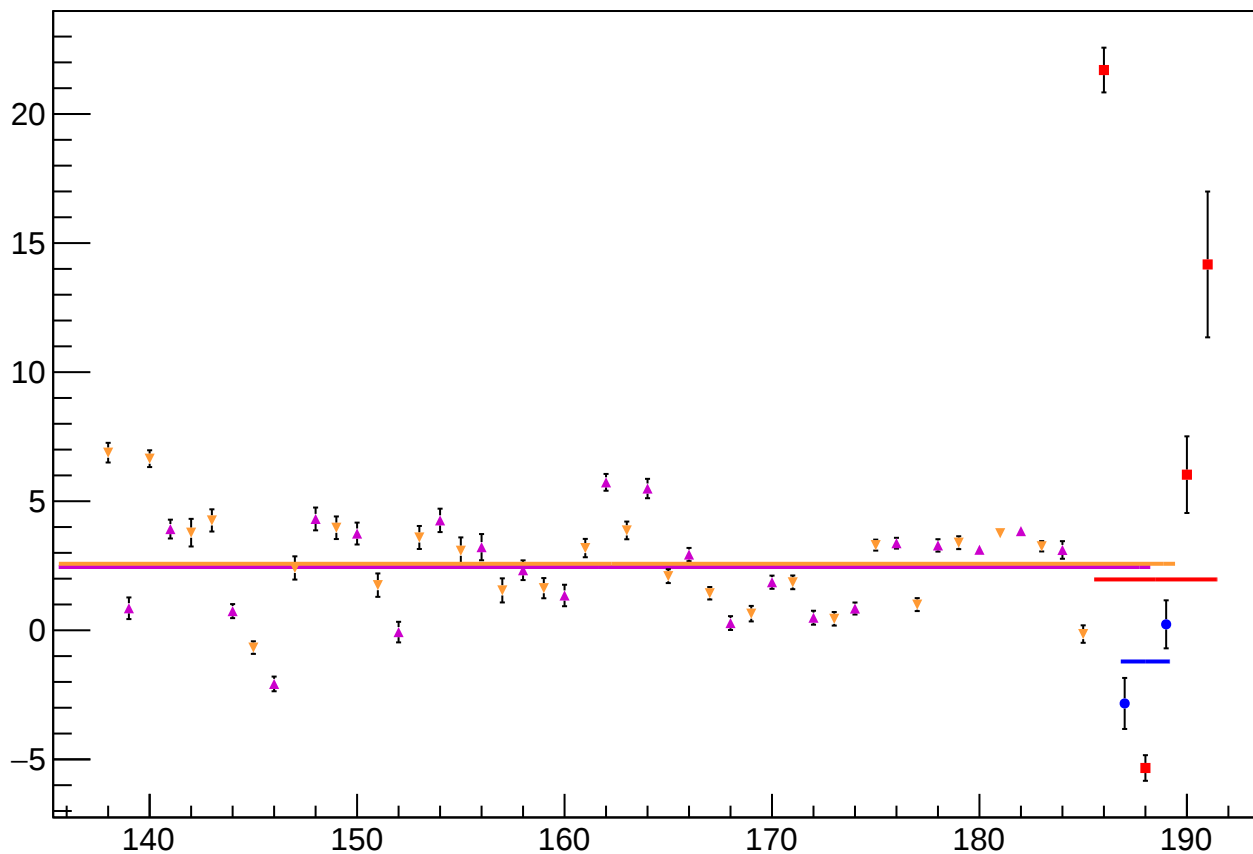
Left In: 0.151±/0.003 χ^2/NDF : 1286.5/22

+ sign 0.141±/0.003 χ^2/NDF : 1877.1/43

All: 0.134±/0.002 χ^2/NDF : 4439.4/89

- sign 0.127±/0.003 χ^2/NDF : 2546.6/45

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -1.208 ± 0.677 χ^2/NDF : 5.1/1

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 1.970 ± 0.409 χ^2/NDF : 761.3/3

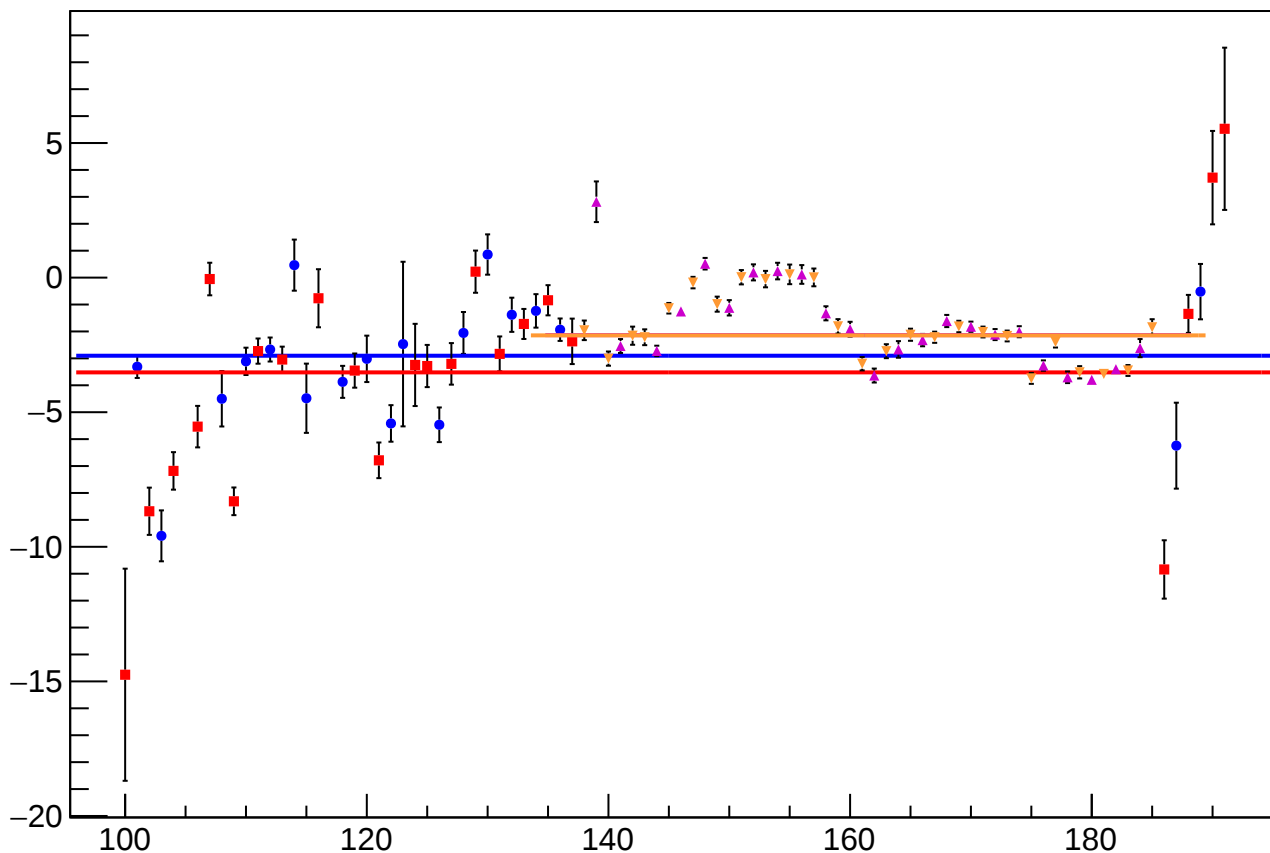
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.549 ± 0.058 χ^2/NDF : 903.6/26

All: 2.496 ± 0.041 χ^2/NDF : 2539.2/53

- sign 2.442 ± 0.059 χ^2/NDF : 1633.9/26

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.902 ± 0.153 χ^2/NDF : 154.7/18

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -3.521 ± 0.149 χ^2/NDF : 372.4/22

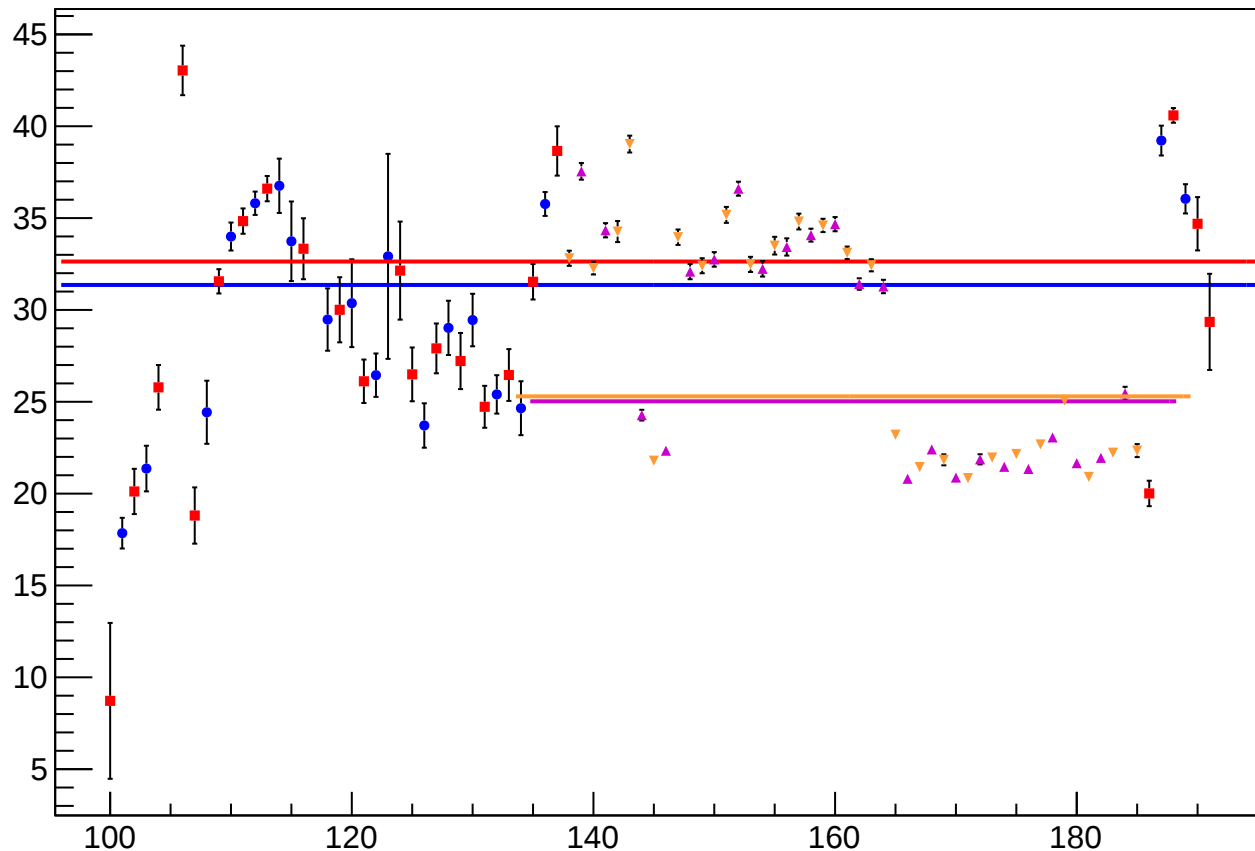
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.213 ± 0.045 χ^2/NDF : 750.4/43

All: -2.240 ± 0.032 χ^2/NDF : 1892.8/89

- sign -2.268 ± 0.046 χ^2/NDF : 1141.7/45

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: 32.635 $\pm$ 0.205 χ^2 /NDF: 1248.0/22

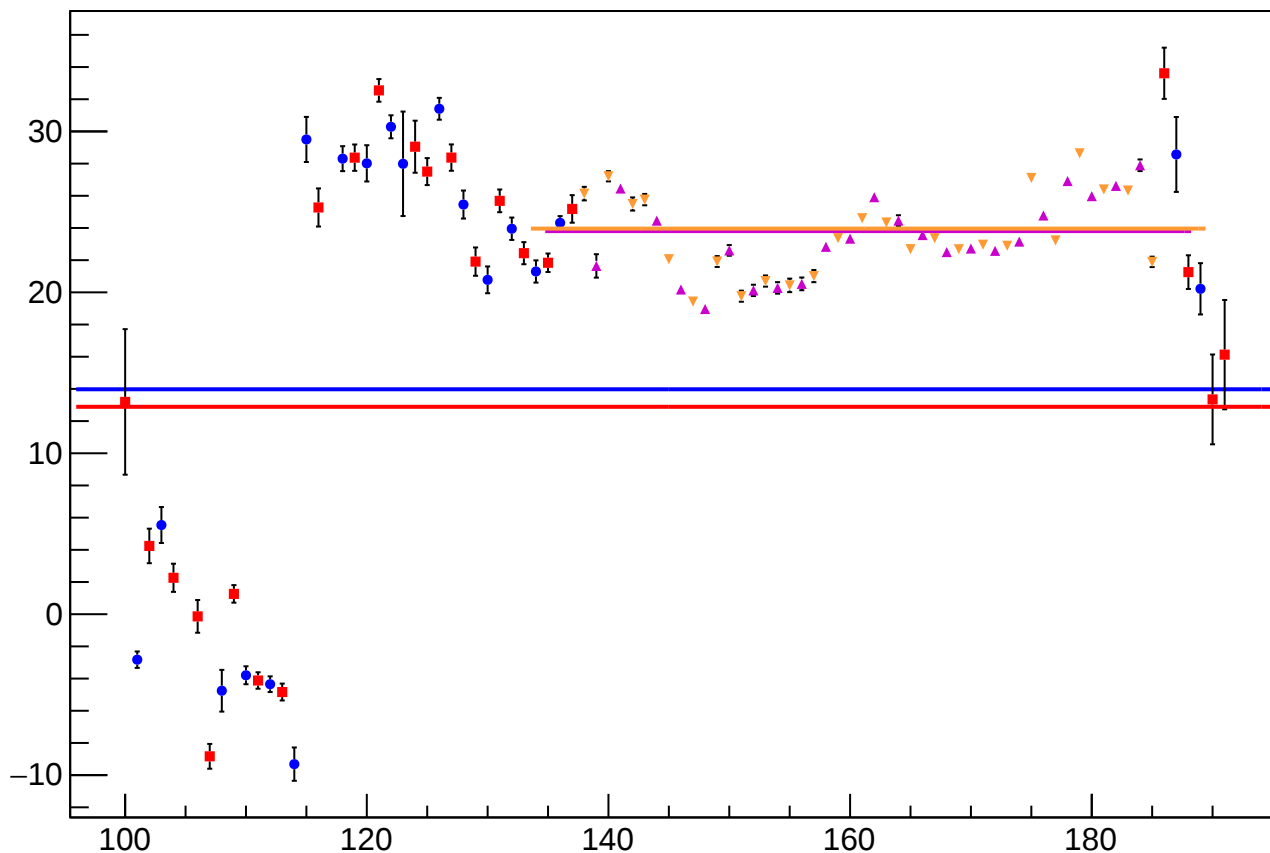
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.634 $\pm$ 0.057 χ^2 /NDF: 9572.9/43

All: 25.625 $\pm$ 0.040 χ^2 /NDF: 19696.9/89

- sign 25.616 $\pm$ 0.057 χ^2 /NDF: 10123.9/45

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: 12.889 $\pm$ 0.170 χ^2 /NDF: 7195.2/22

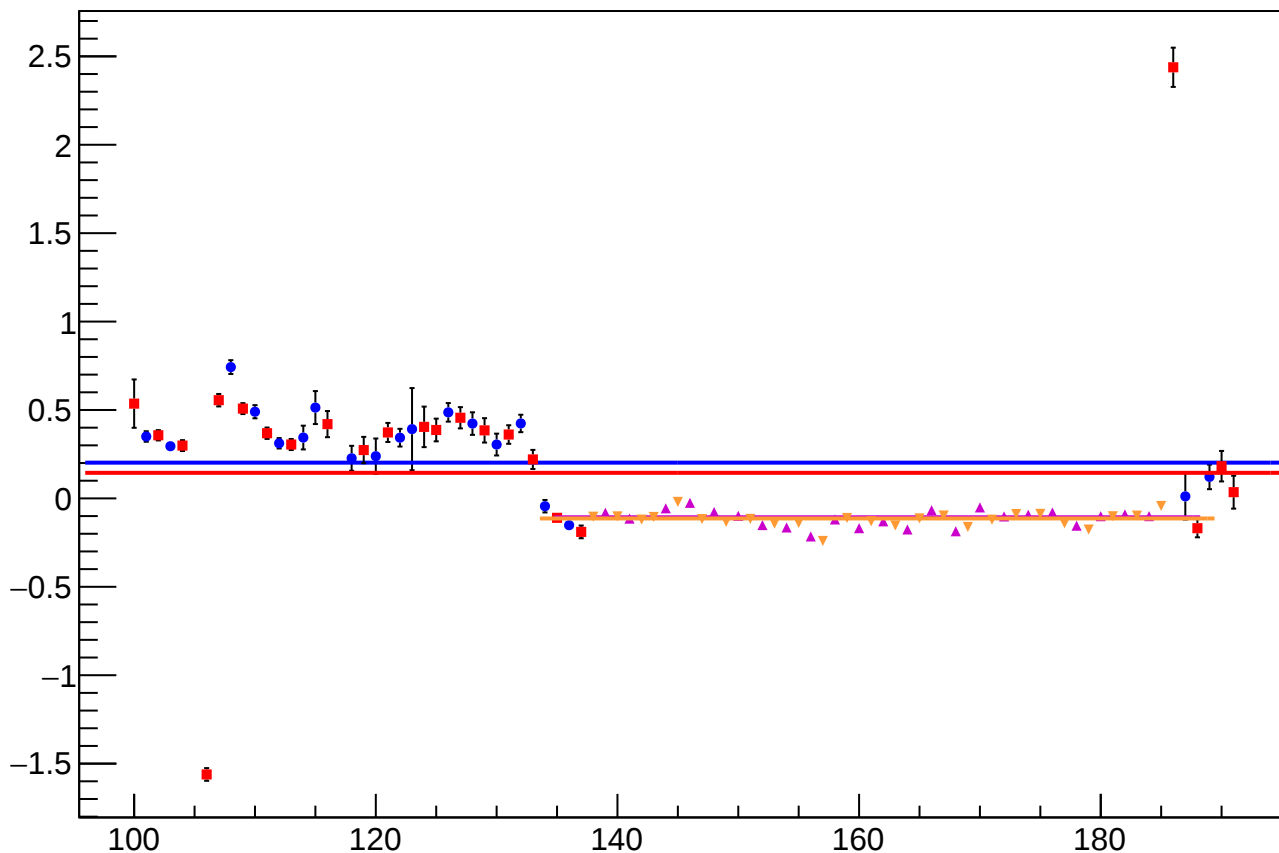
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.087 $\pm$ 0.051 χ^2 /NDF: 12344.3/43

All: 22.948 $\pm$ 0.036 χ^2 /NDF: 25056.8/89

- sign 22.804 $\pm$ 0.052 χ^2 /NDF: 12697.2/45

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: 0.145 ± 0.009 χ^2/NDF : 3479.7/22

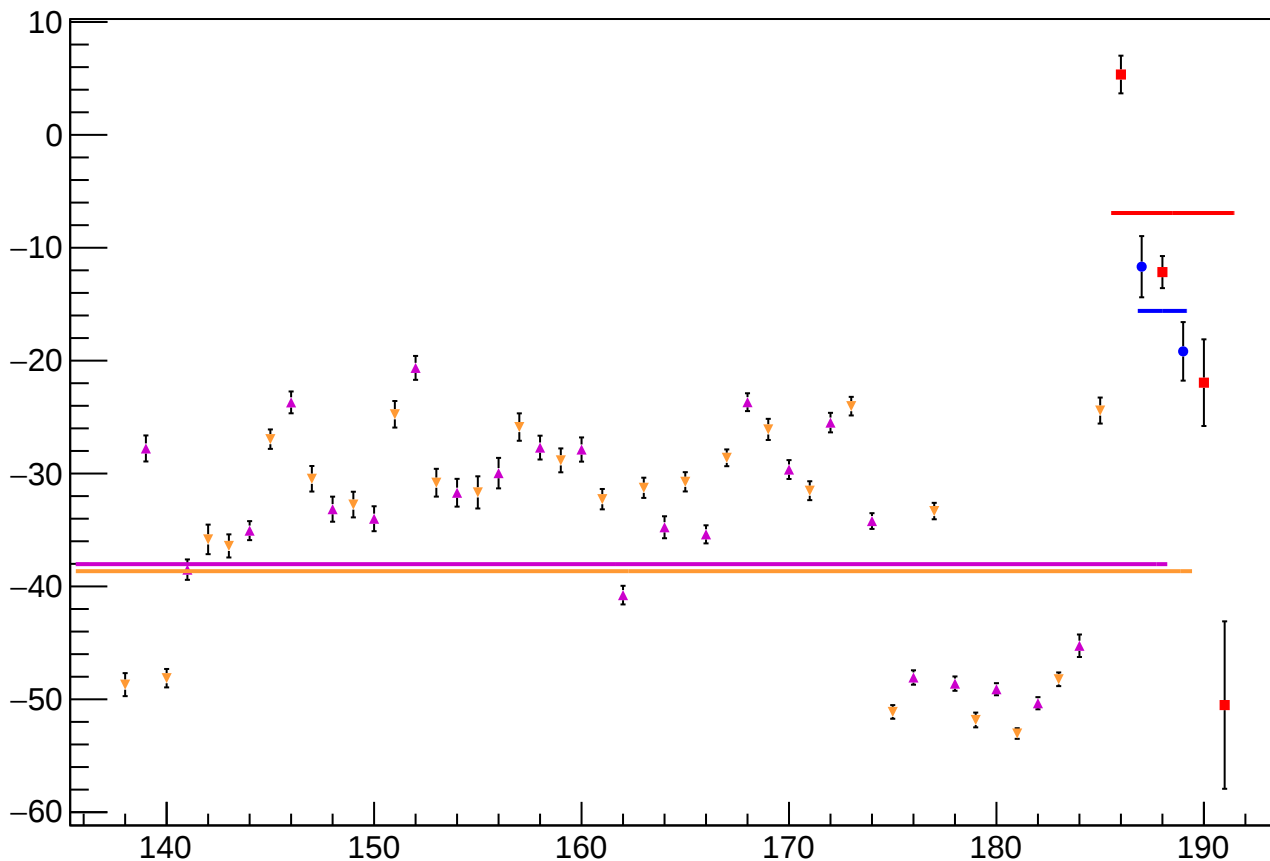
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.093 ± 0.002 χ^2/NDF : 2224.6/43

All: -0.091 ± 0.002 χ^2/NDF : 6760.2/89

- sign -0.089 ± 0.002 χ^2/NDF : 4533.9/45

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -15.594 ± 1.874 χ^2/NDF : 4.0/1

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -6.922 ± 1.031 χ^2/NDF : 117.5/3

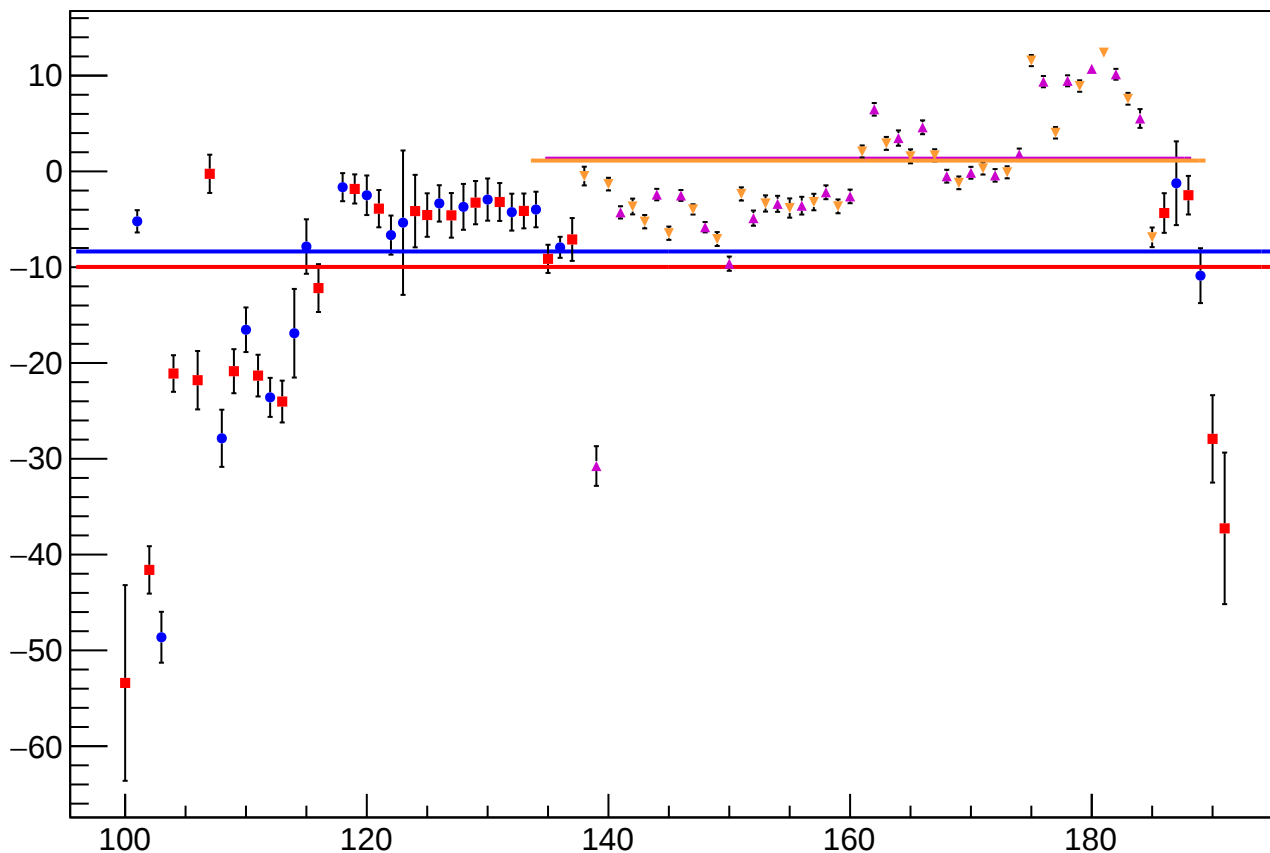
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.463 ± 0.168 χ^2/NDF : 4231.4/26

All: -37.828 ± 0.120 χ^2/NDF : 8354.3/53

- sign -37.174 ± 0.171 χ^2/NDF : 4094.0/26

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.359 ± 0.458 χ^2/NDF : 411.9/18

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -9.973 ± 0.462 χ^2/NDF : 479.2/22

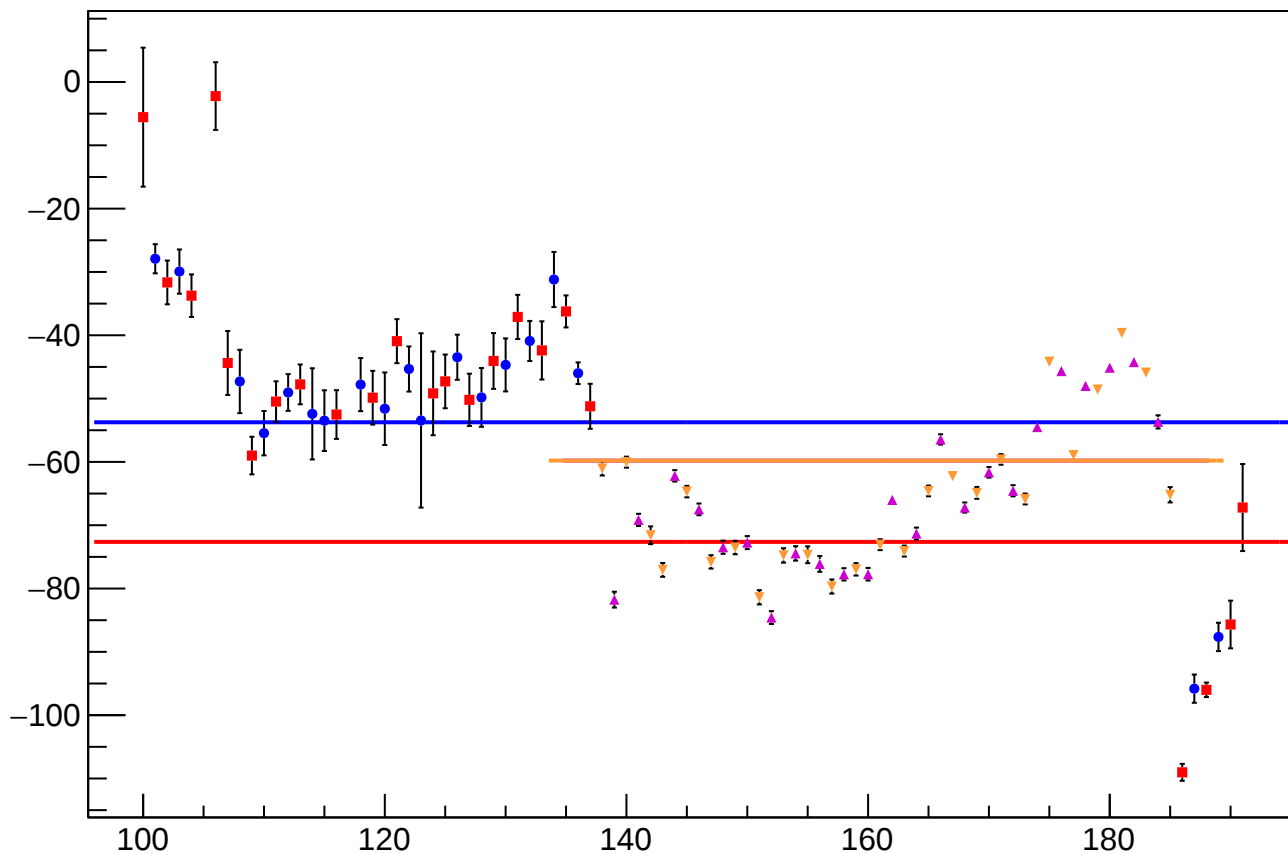
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.361 ± 0.130 χ^2/NDF : 2605.8/43

All: 0.371 ± 0.093 χ^2/NDF : 5680.9/89

- sign 0.382 ± 0.134 χ^2/NDF : 3075.1/45

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: -72.631 ± 0.604 χ^2/NDF : 2465.3/22

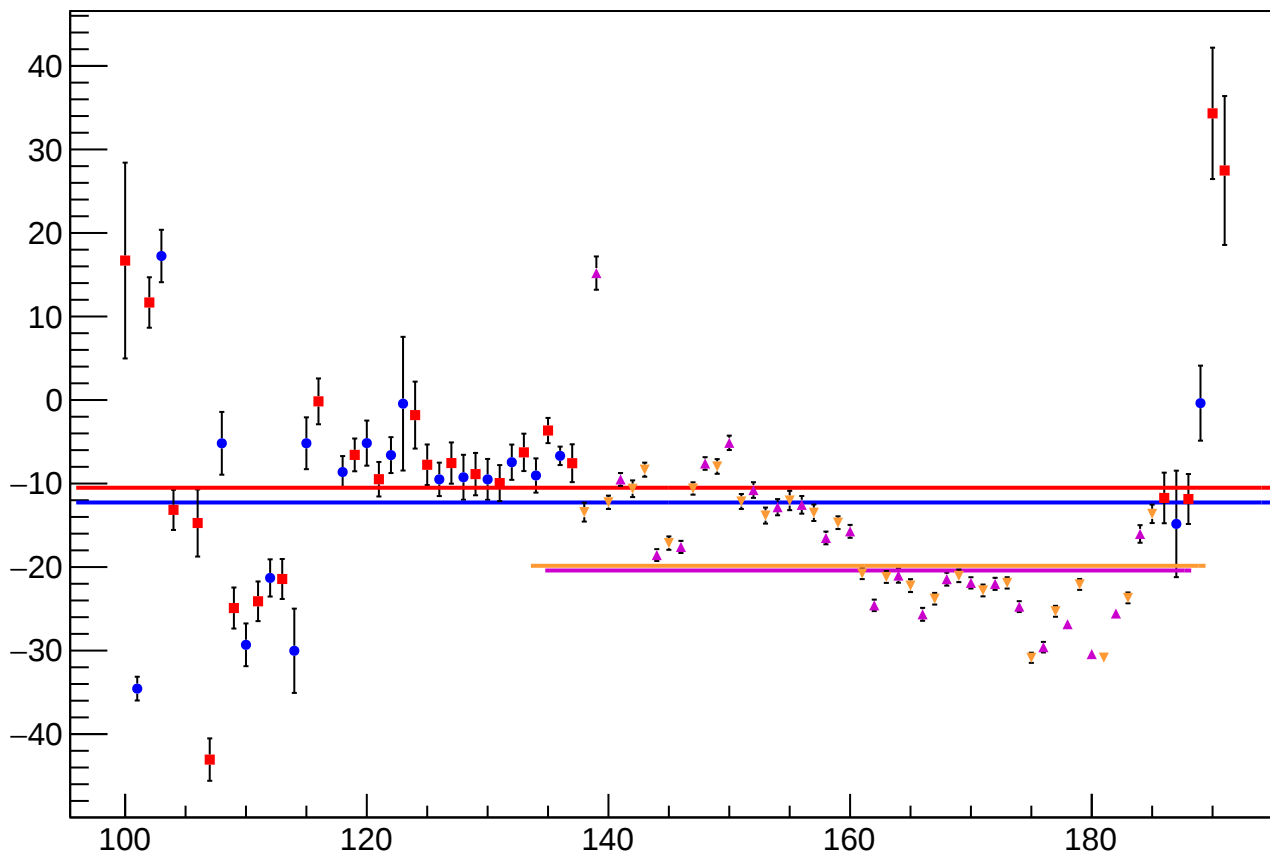
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.485 ± 0.166 χ^2/NDF : 6749.2/43

All: -60.128 ± 0.118 χ^2/NDF : 14878.6/89

- sign -60.777 ± 0.167 χ^2/NDF : 8099.3/45

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.268 ± 0.519 $\chi^2/\text{NDF}: 480.8/18$

Left Out: -19.847 ± 0.153 $\chi^2/\text{NDF}: 1931.3/24$

Right Out: -10.503 ± 0.534 $\chi^2/\text{NDF}: 417.2/22$

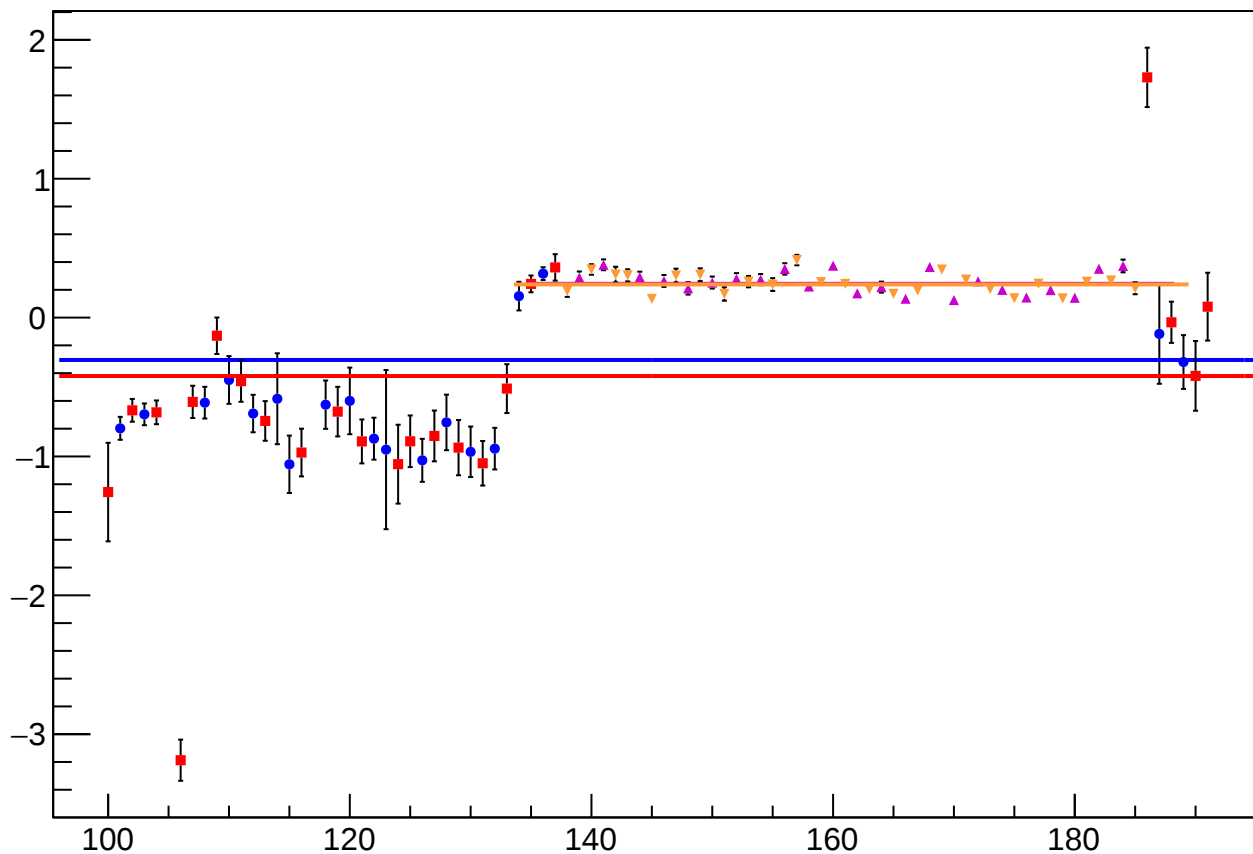
Left In: -20.410 ± 0.157 $\chi^2/\text{NDF}: 2302.0/22$

+ sign -19.242 ± 0.147 $\chi^2/\text{NDF}: 2608.7/43$

All: -19.429 ± 0.105 $\chi^2/\text{NDF}: 5647.5/89$

- sign -19.626 ± 0.150 $\chi^2/\text{NDF}: 3035.5/45$

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: -0.421 ± 0.028 χ^2/NDF : 744.3/22

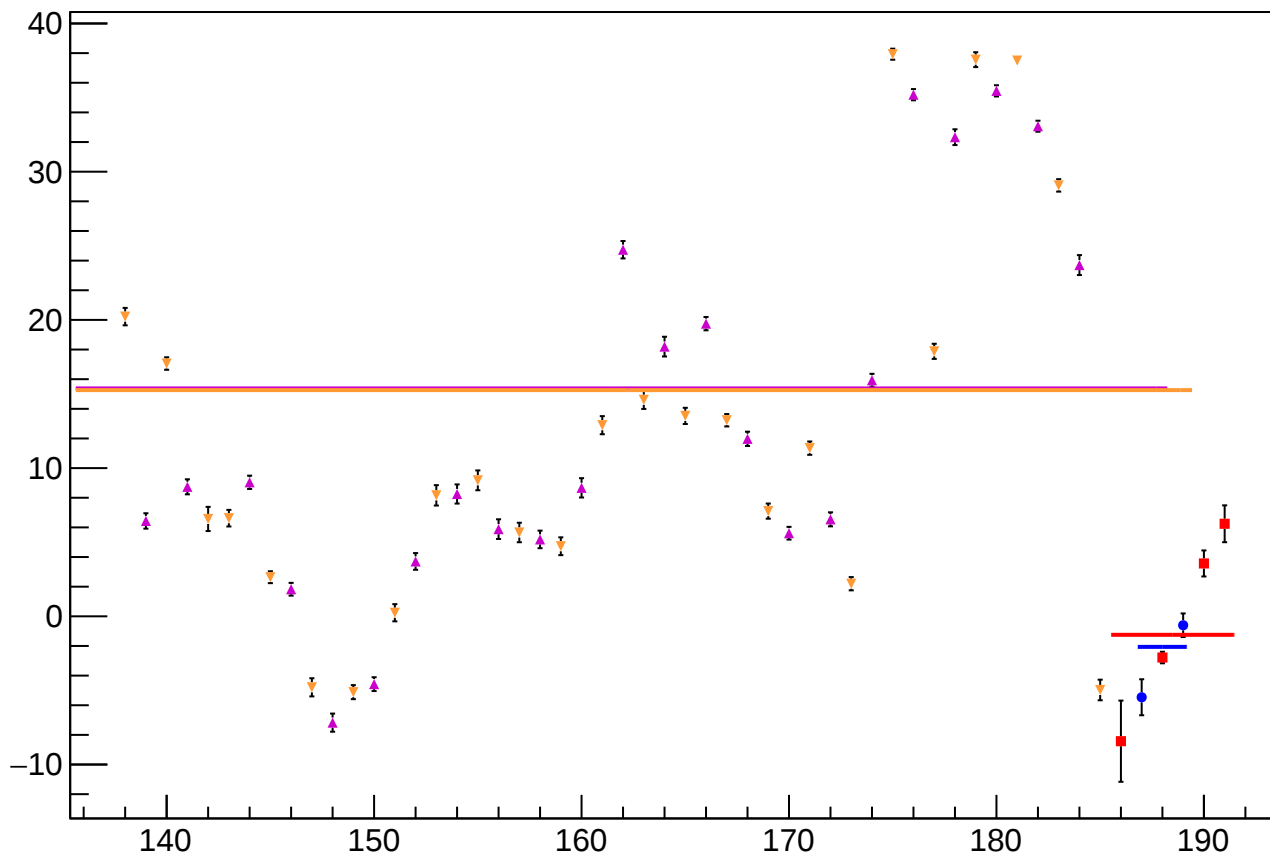
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.205 ± 0.007 χ^2/NDF : 839.0/43

All: 0.203 ± 0.005 χ^2/NDF : 2267.3/89

- sign 0.201 ± 0.007 χ^2/NDF : 1428.1/45

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: -1.248 ± 0.339 $\chi^2/\text{NDF}: 88.7/3$

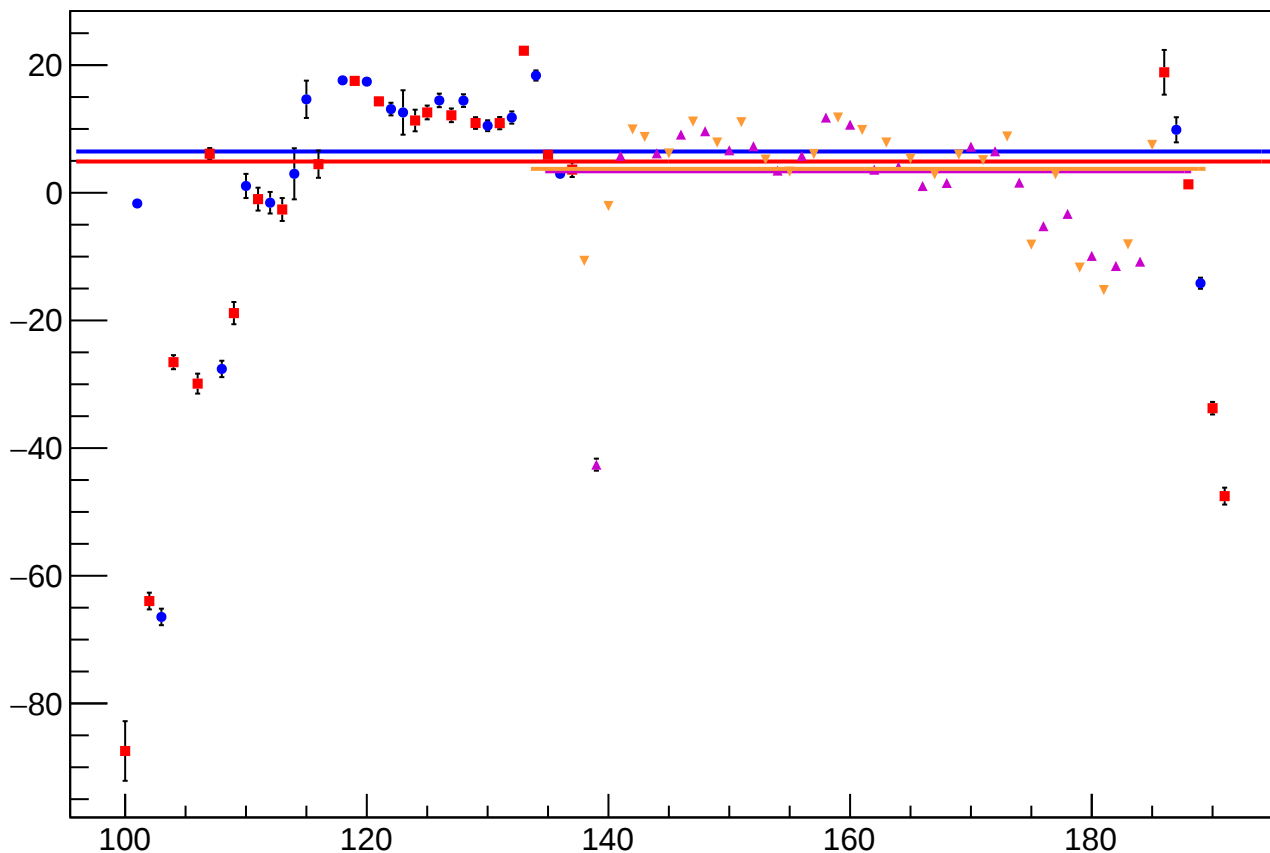
Left In: 15.377 ± 0.103 $\chi^2/\text{NDF}: 16268.9/22$

+ sign 14.876 ± 0.099 $\chi^2/\text{NDF}: 19849.3/26$

All: 14.424 ± 0.070 $\chi^2/\text{NDF}: 38447.3/53$

- sign 13.980 ± 0.098 $\chi^2/\text{NDF}: 18556.9/26$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 6.469 ± 0.210 χ^2/NDF : 5904.5/18

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: 4.898 ± 0.194 χ^2/NDF : 10164.0/22

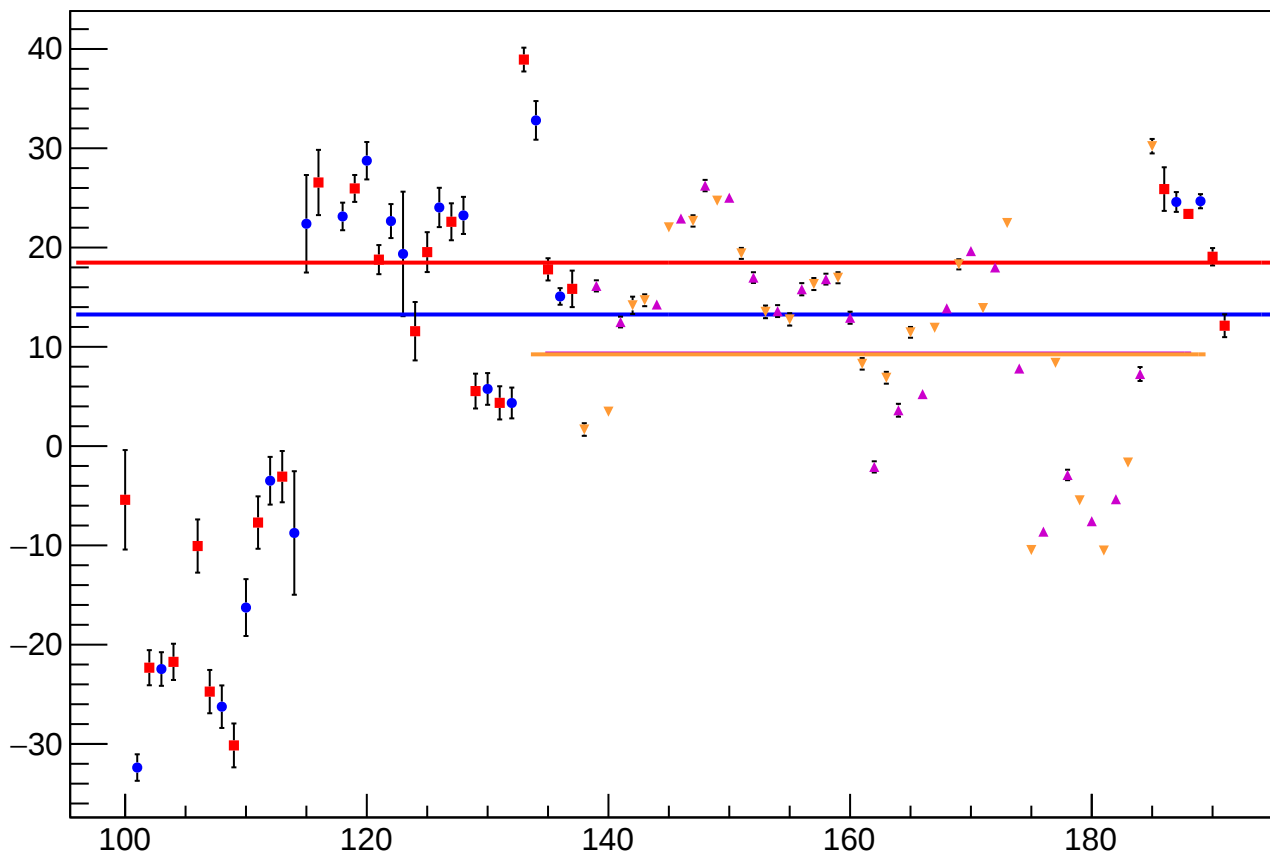
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 4.080 ± 0.074 χ^2/NDF : 15298.8/43

All: 3.841 ± 0.053 χ^2/NDF : 34064.5/89

- sign 3.594 ± 0.075 χ^2/NDF : 18744.3/45

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.257 $\pm$ 0.340 χ^2 /NDF: 2877.2/18

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 18.482 $\pm$ 0.235 χ^2 /NDF: 2949.4/22

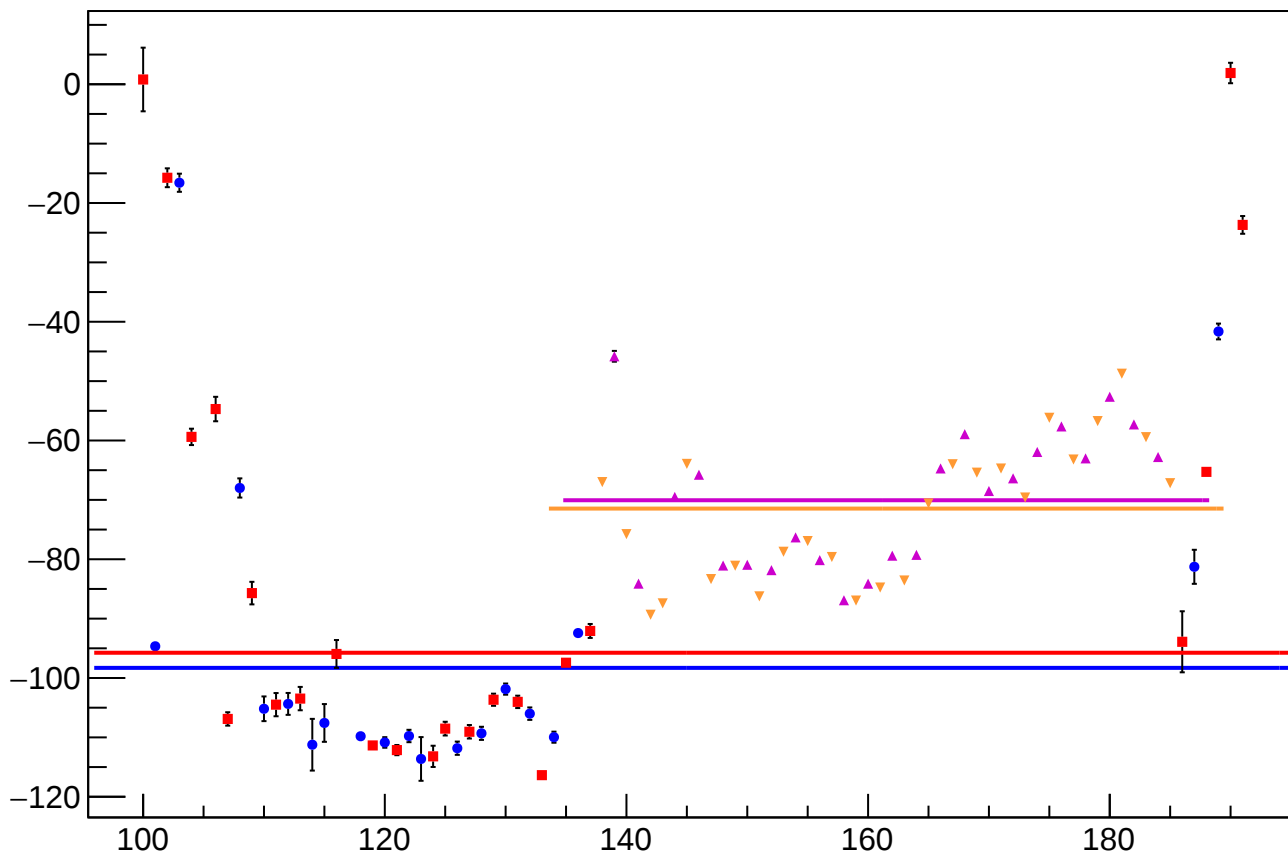
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 9.568 $\pm$ 0.097 χ^2 /NDF: 16638.7/43

All: 10.195 $\pm$ 0.067 χ^2 /NDF: 32909.5/89

- sign 10.789 $\pm$ 0.094 χ^2 /NDF: 16188.9/45

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: -95.746 ± 0.231 $\chi^2/\text{NDF}: 13726.2/22$

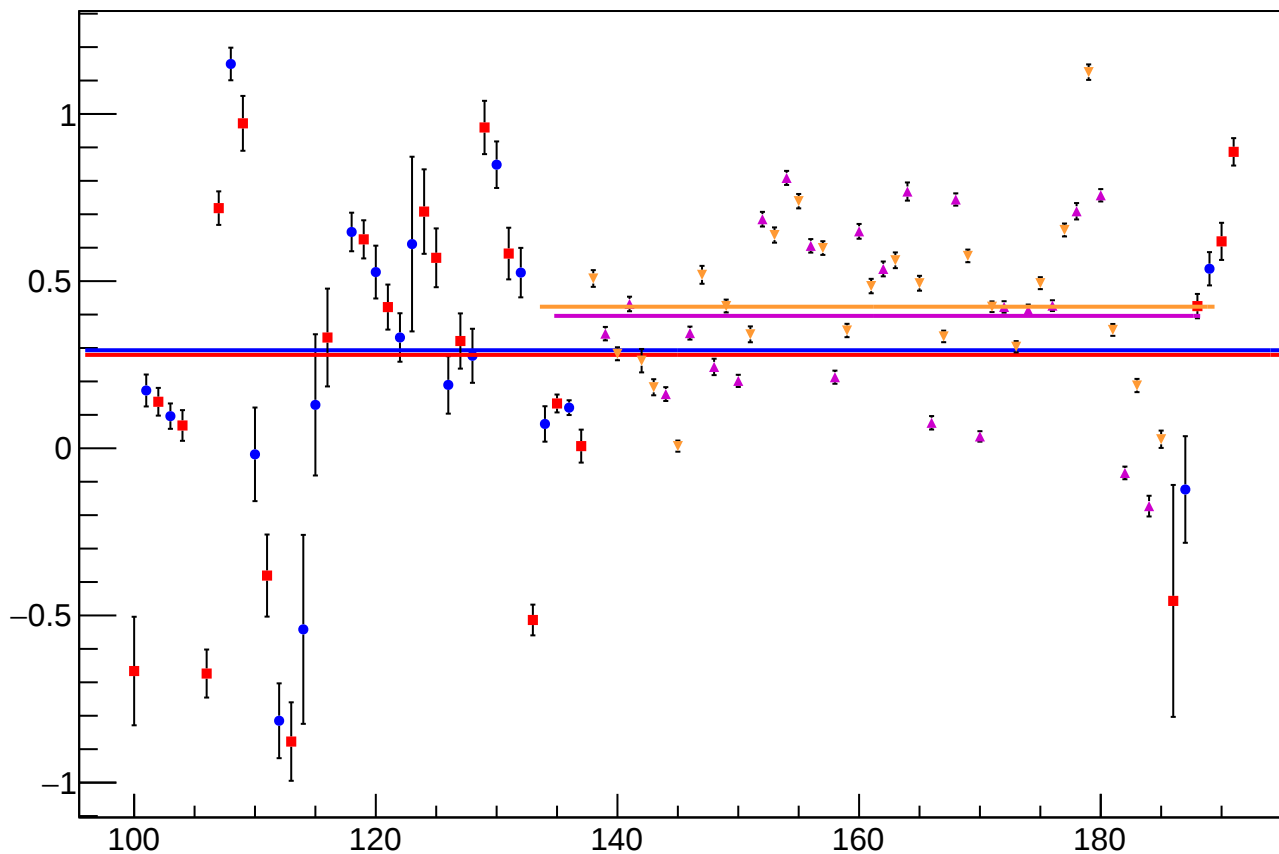
Left In: -70.061 ± 0.092 $\chi^2/\text{NDF}: 13058.5/22$

+ sign -74.593 ± 0.084 $\chi^2/\text{NDF}: 33315.9/43$

All: -74.083 ± 0.060 $\chi^2/\text{NDF}: 70845.6/89$

- sign -73.556 ± 0.085 $\chi^2/\text{NDF}: 37454.5/45$

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: 0.279 ± 0.012 χ^2/NDF : 1303.6/22

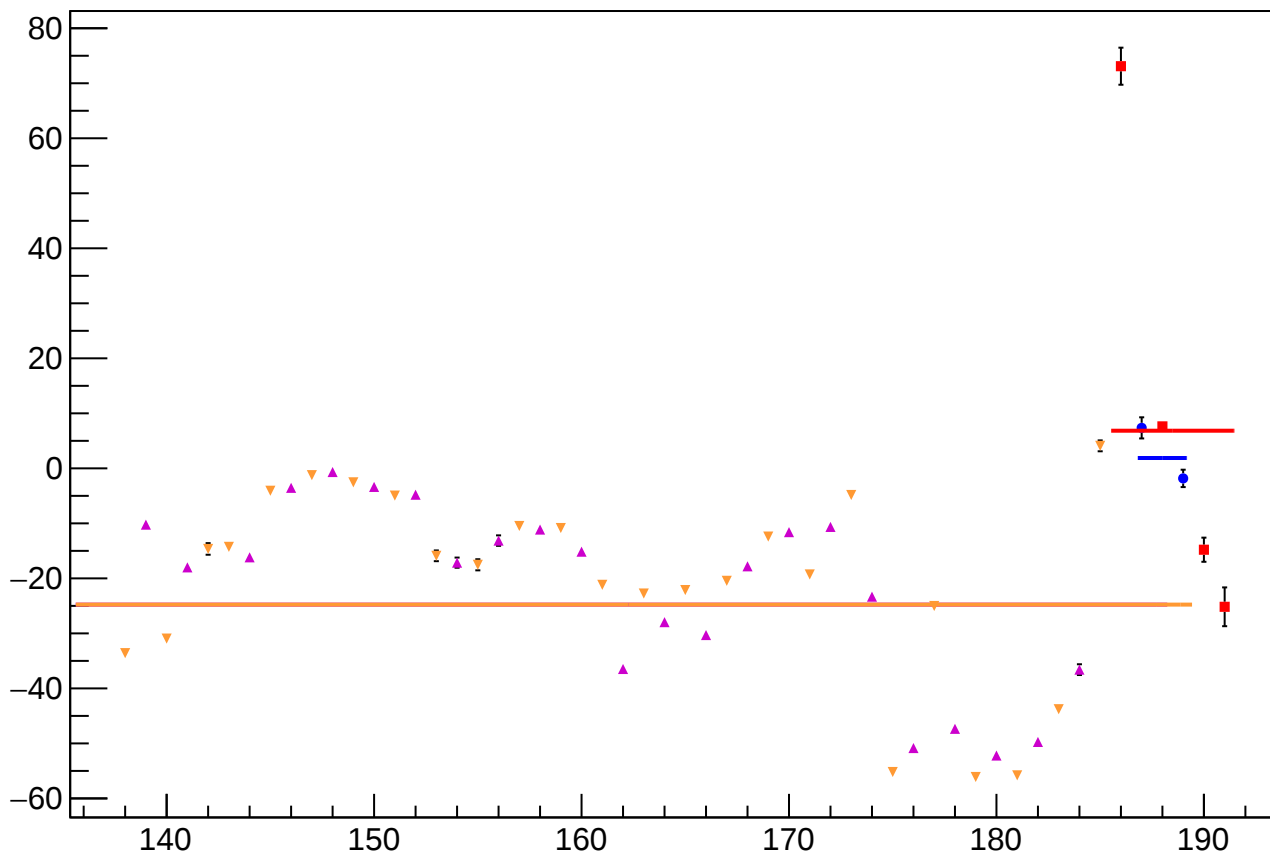
Left In: 0.396 ± 0.004 χ^2/NDF : 4051.5/22

+ sign 0.412 ± 0.004 χ^2/NDF : 3661.6/43

All: 0.398 ± 0.003 χ^2/NDF : 9130.3/89

- sign 0.383 ± 0.004 χ^2/NDF : 5441.9/45

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: 6.841 ± 0.719 $\chi^2/\text{NDF}: 567.5/3$

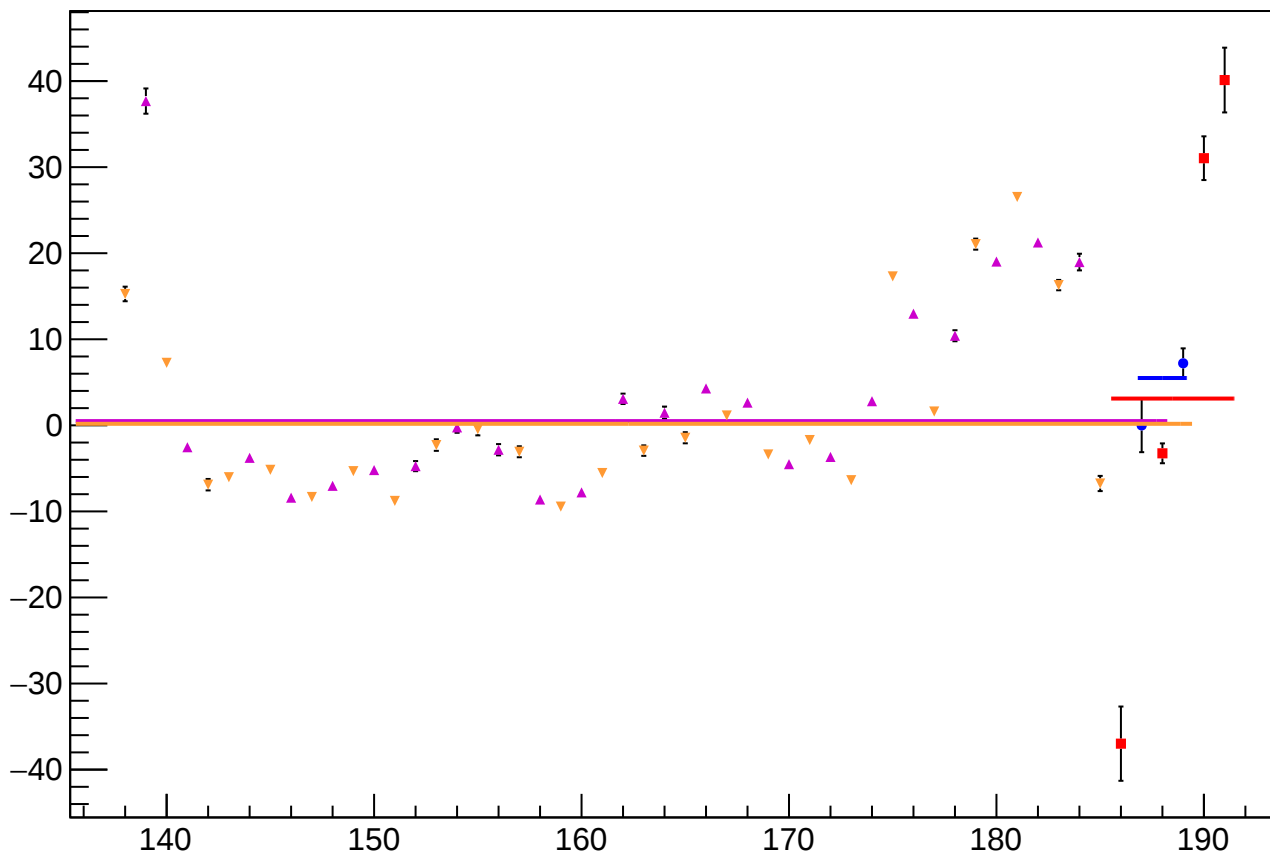
Left In: -24.775 ± 0.143 $\chi^2/\text{NDF}: 14807.4/22$

+ sign -24.425 ± 0.138 $\chi^2/\text{NDF}: 18803.5/26$

All: -24.005 ± 0.098 $\chi^2/\text{NDF}: 36059.0/53$

- sign -23.574 ± 0.140 $\chi^2/\text{NDF}: 17236.9/26$

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: 3.112 $\pm$ 0.984 χ^2 /NDF: 334.5/3

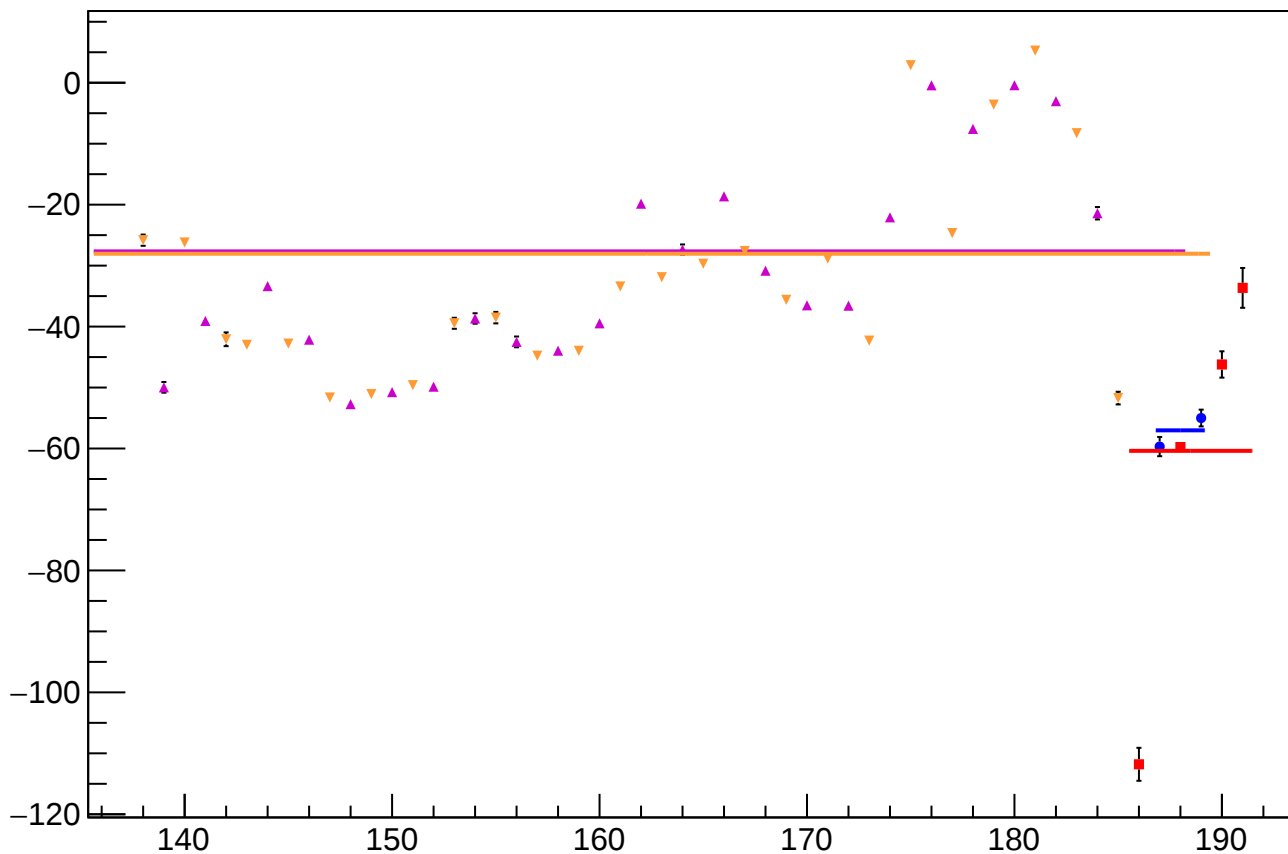
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF:6555.4/22

+ sign 0.205 $\pm$ 0.108 χ^2 /NDF: 8312.0/26

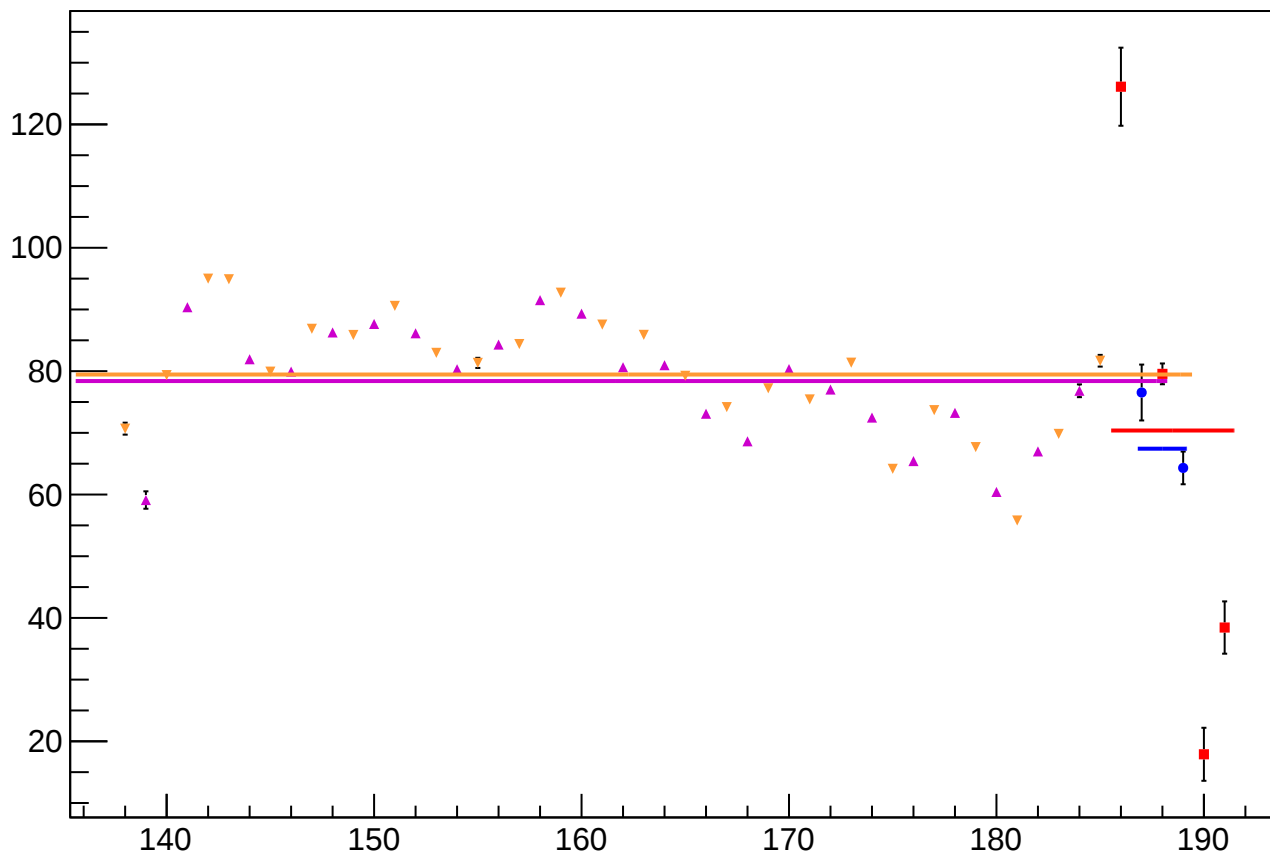
All: 0.361 $\pm$ 0.078 χ^2 /NDF: 15213.1/53

- sign 0.527 $\pm$ 0.111 χ^2 /NDF: 6896.9/26

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 67.432 $\pm$ 2.287 χ^2 /NDF: 5.4/1

Left Out: 79.456 $\pm$ 0.123 χ^2 /NDF: 6077.1/24

Right Out: 70.379 $\pm$ 1.434 χ^2 /NDF: 313.2/3

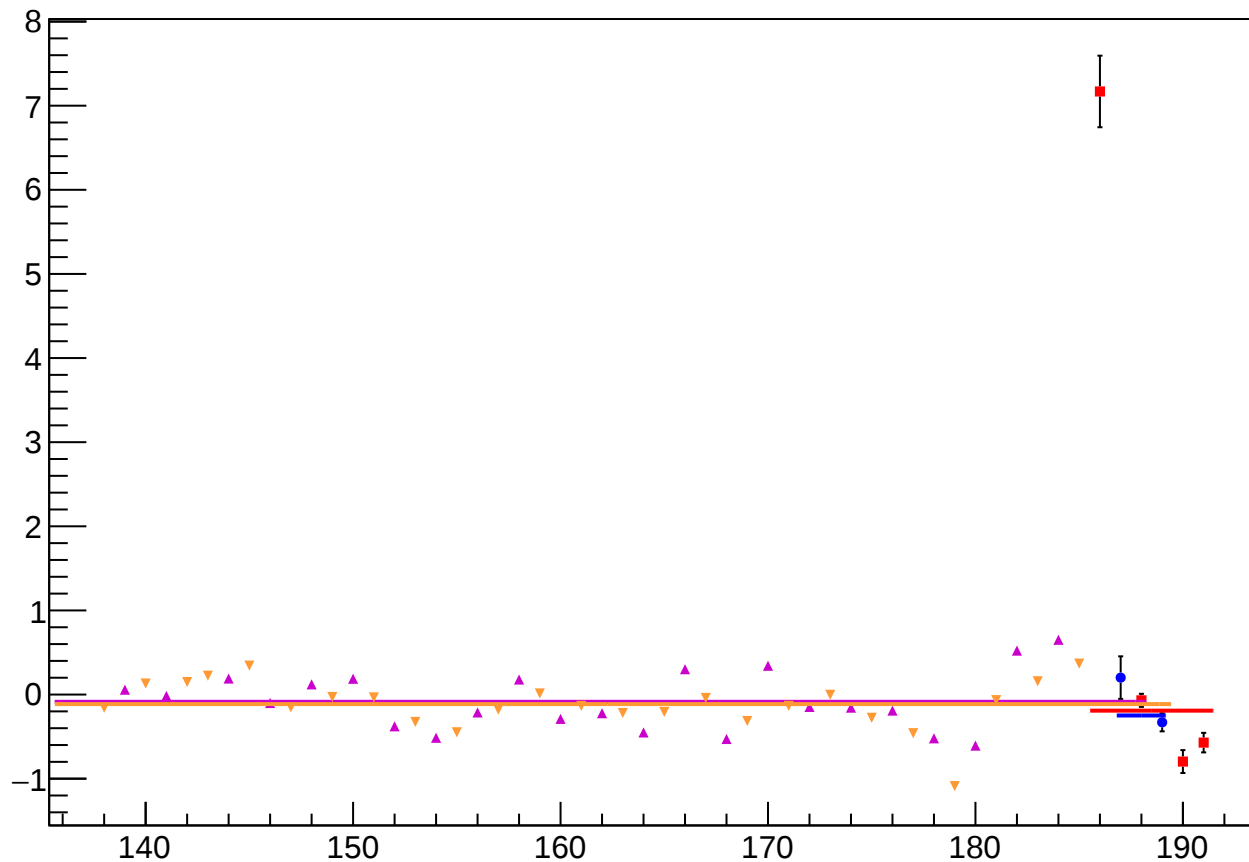
Left In: 78.396 $\pm$ 0.127 χ^2 /NDF: 4707.3/22

+ sign 79.421 $\pm$ 0.123 χ^2 /NDF: 6110.1/26

All: 78.892 $\pm$ 0.088 χ^2 /NDF: 11199.7/53

- sign 78.334 $\pm$ 0.126 χ^2 /NDF: 5051.5/26

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: -0.191 ± 0.058 χ^2/NDF : 332.3/3

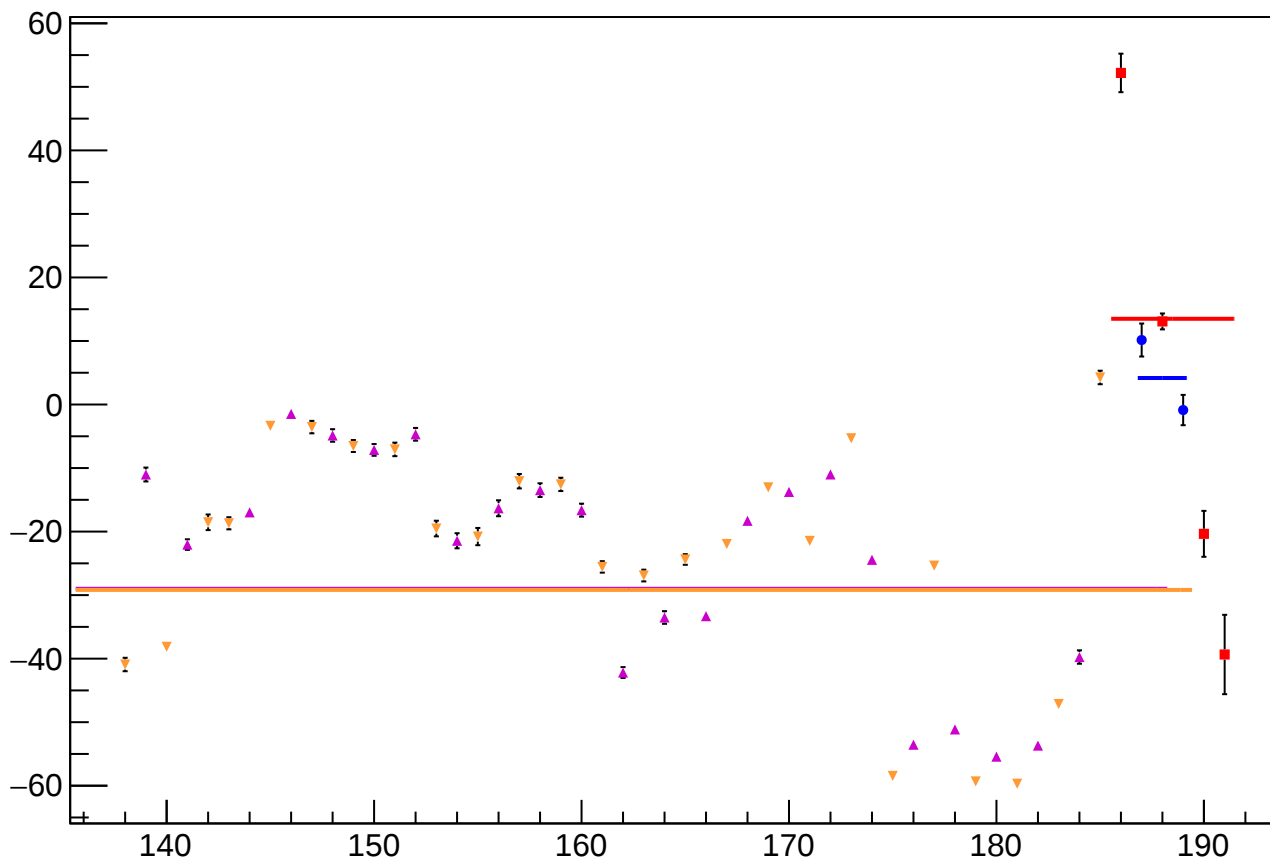
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.114 ± 0.006 χ^2/NDF : 2308.7/26

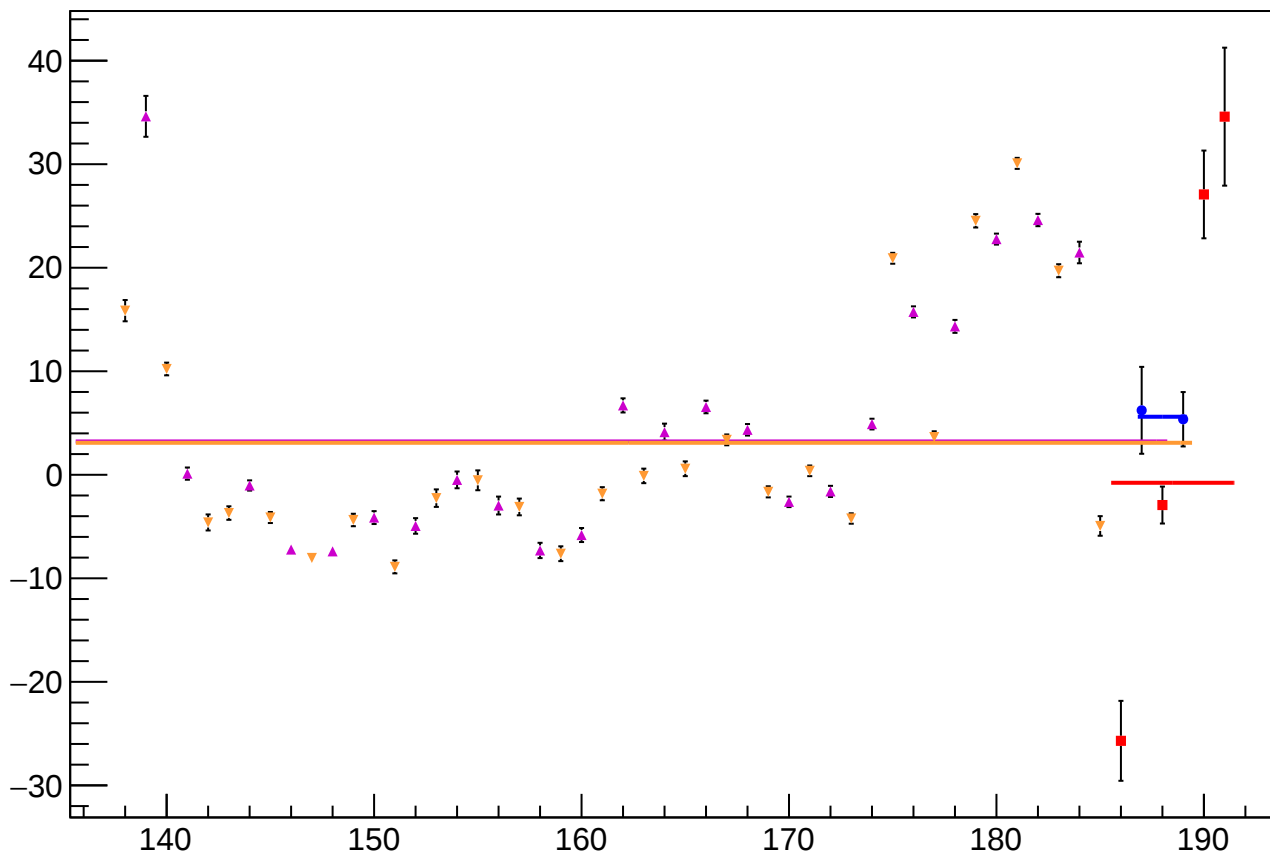
All: -0.101 ± 0.004 χ^2/NDF : 5787.2/53

- sign -0.087 ± 0.006 χ^2/NDF : 3467.7/26

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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: -0.772 $\pm$ 1.476 χ^2 /NDF: 114.5/3

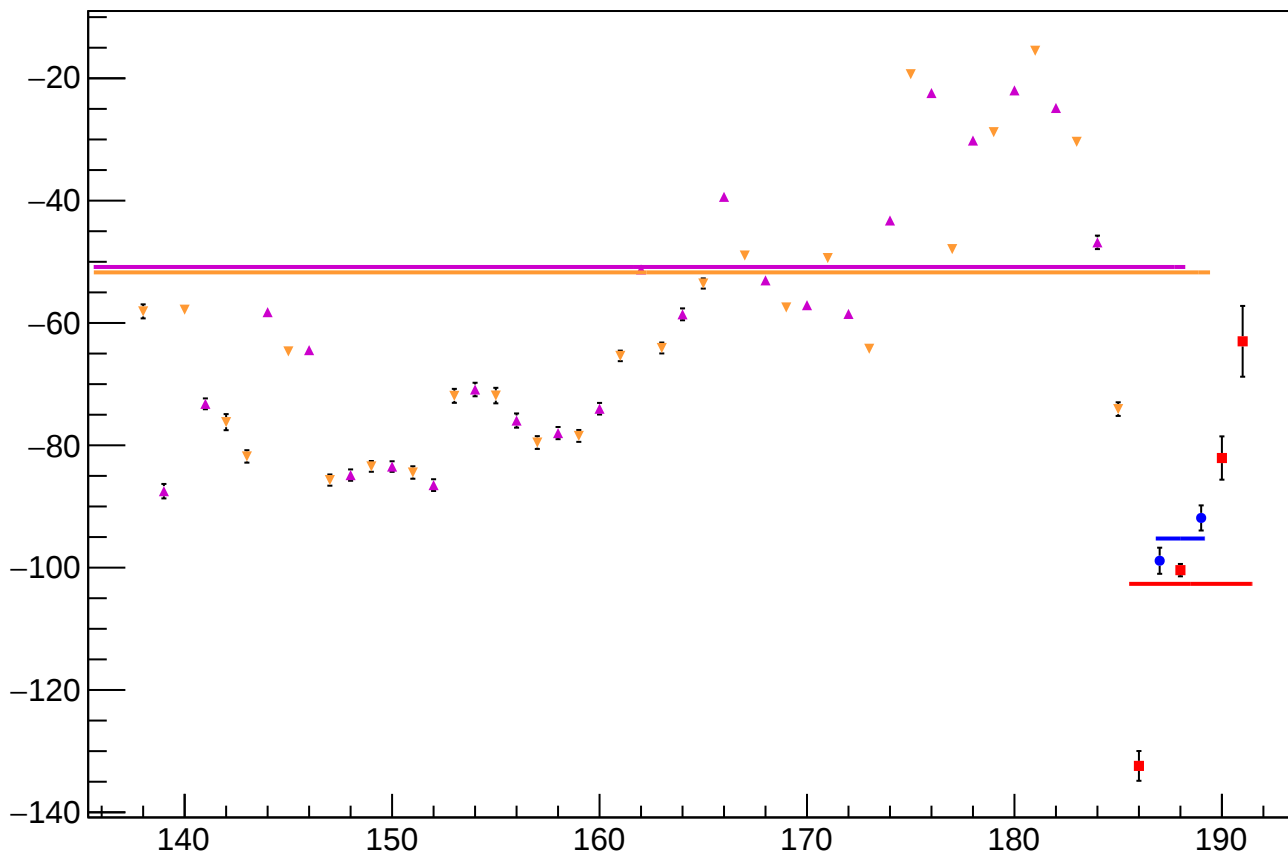
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF:6237.6/22

+ sign 3.099 $\pm$ 0.124 χ^2 /NDF: 8085.4/26

All: 3.144 $\pm$ 0.089 χ^2 /NDF: 14445.0/53

- sign 3.192 $\pm$ 0.126 χ^2 /NDF: 6359.4/26

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: -102.651+/-0.892 χ^2/NDF : 235.0/3

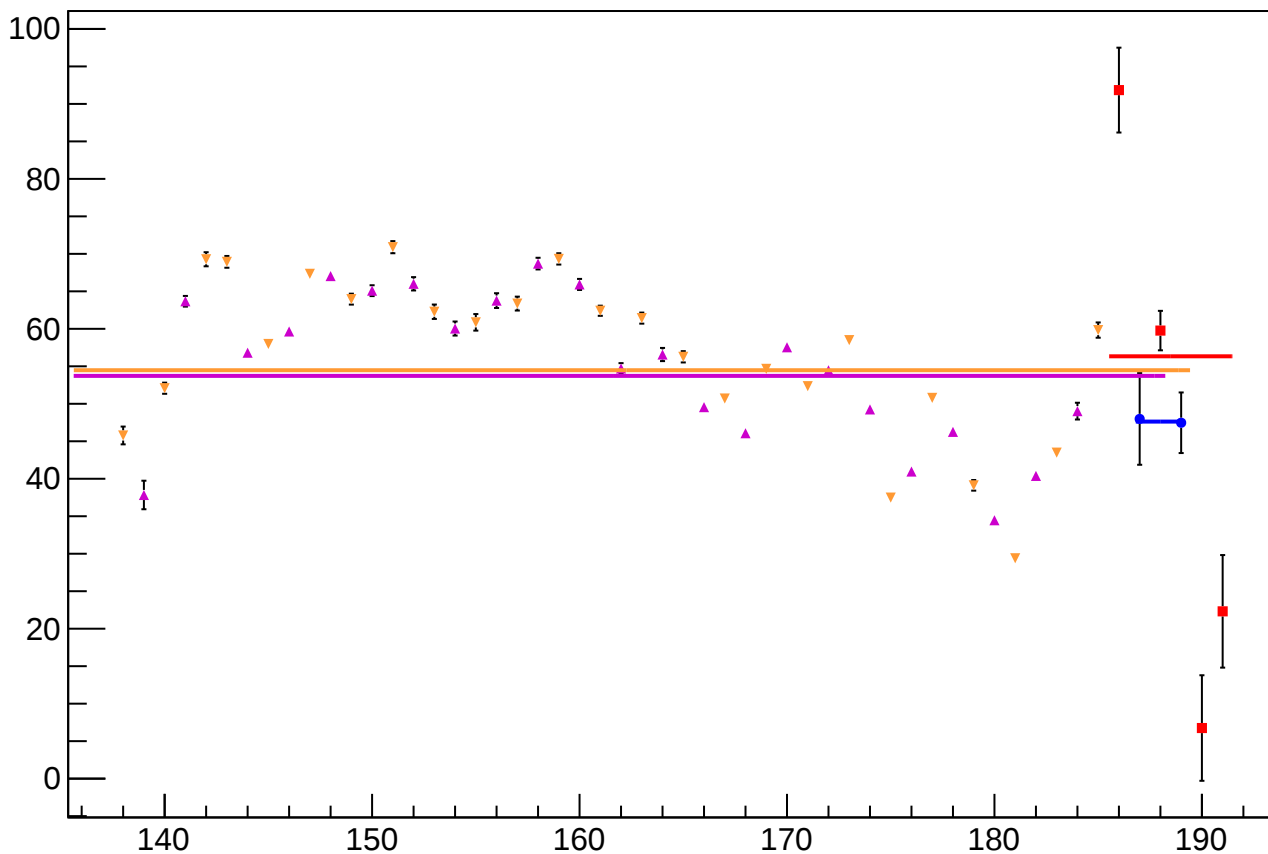
Left In: -50.844+/-0.160 χ^2/NDF :17272.0/22

+ sign -52.219+/-0.157 χ^2/NDF : 20398.7/26

All: -52.340+/-0.111 χ^2/NDF : 41175.7/53

- sign -52.462+/-0.158 χ^2/NDF : 20775.8/26

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: 56.334+/-2.164 χ^2/NDF : 111.2/3

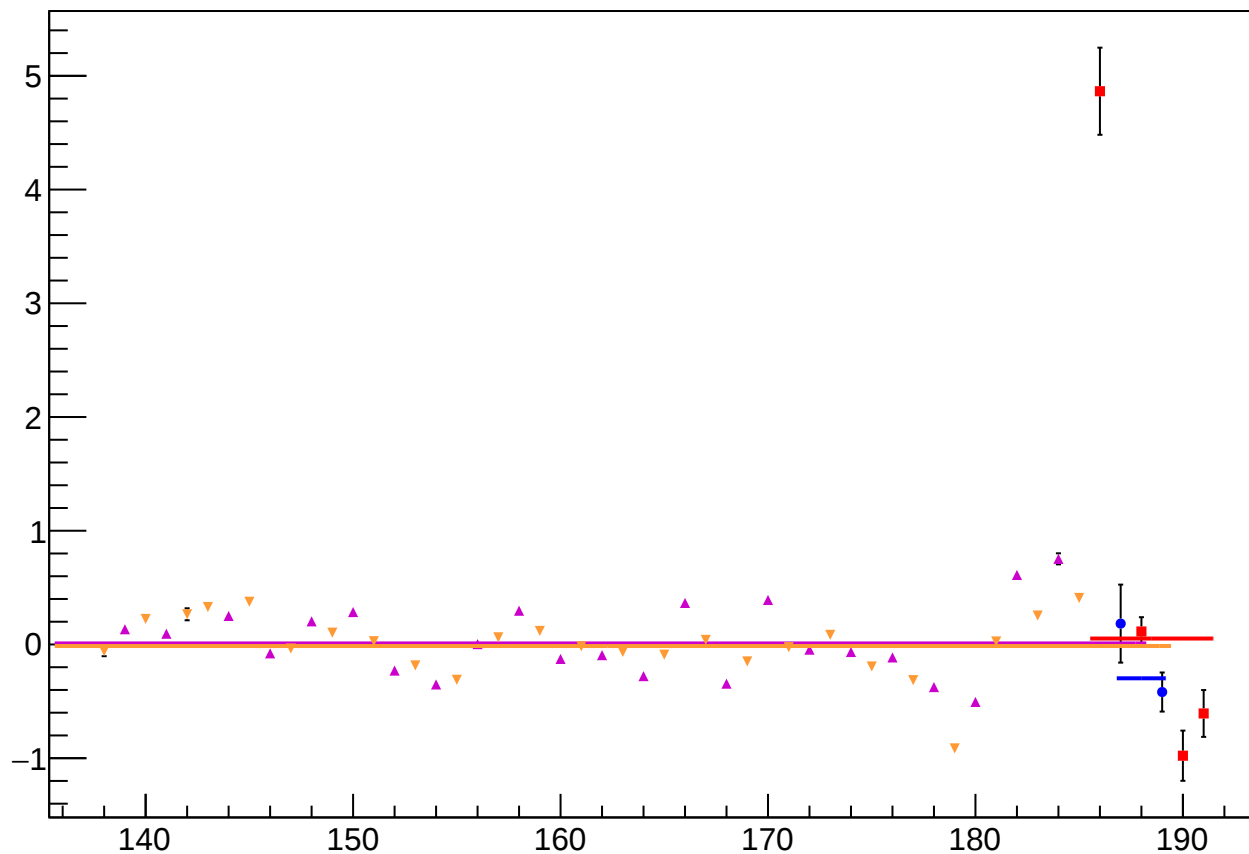
Left In: 53.724+/-0.143 χ^2/NDF : 4585.7/22

+ sign 54.464+/-0.140 χ^2/NDF : 6271.0/26

All: 54.106+/-0.100 χ^2/NDF : 10982.7/53

- sign 53.735+/-0.143 χ^2/NDF : 4698.4/26

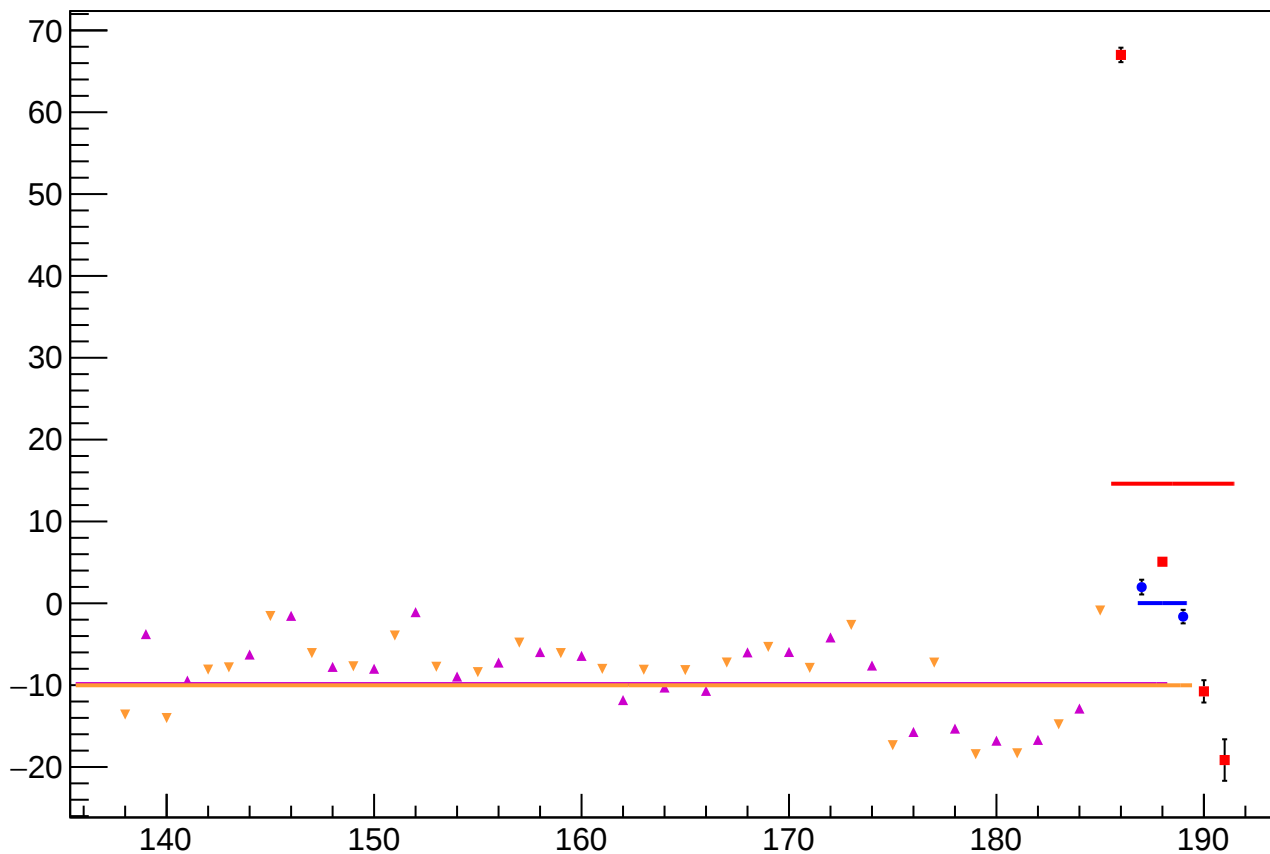
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.298 ± 0.154 $\chi^2/\text{NDF}: 2.5/1$
 Left Out: -0.014 ± 0.006 $\chi^2/\text{NDF}: 1654.7/24$
 Right Out: 0.052 ± 0.094 $\chi^2/\text{NDF}: 190.2/3$
 Left In: 0.009 ± 0.007 $\chi^2/\text{NDF}: 2220.5/22$

+ sign -0.014 ± 0.006 $\chi^2/\text{NDF}: 1660.6/26$
 All: -0.003 ± 0.005 $\chi^2/\text{NDF}: 4078.0/53$
 - sign 0.009 ± 0.007 $\chi^2/\text{NDF}: 2410.9/26$

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 $\chi^2/\text{NDF}: 12552.8/24$

Right Out: 14.613+/-0.378 χ^2/NDF : 4486.9/3

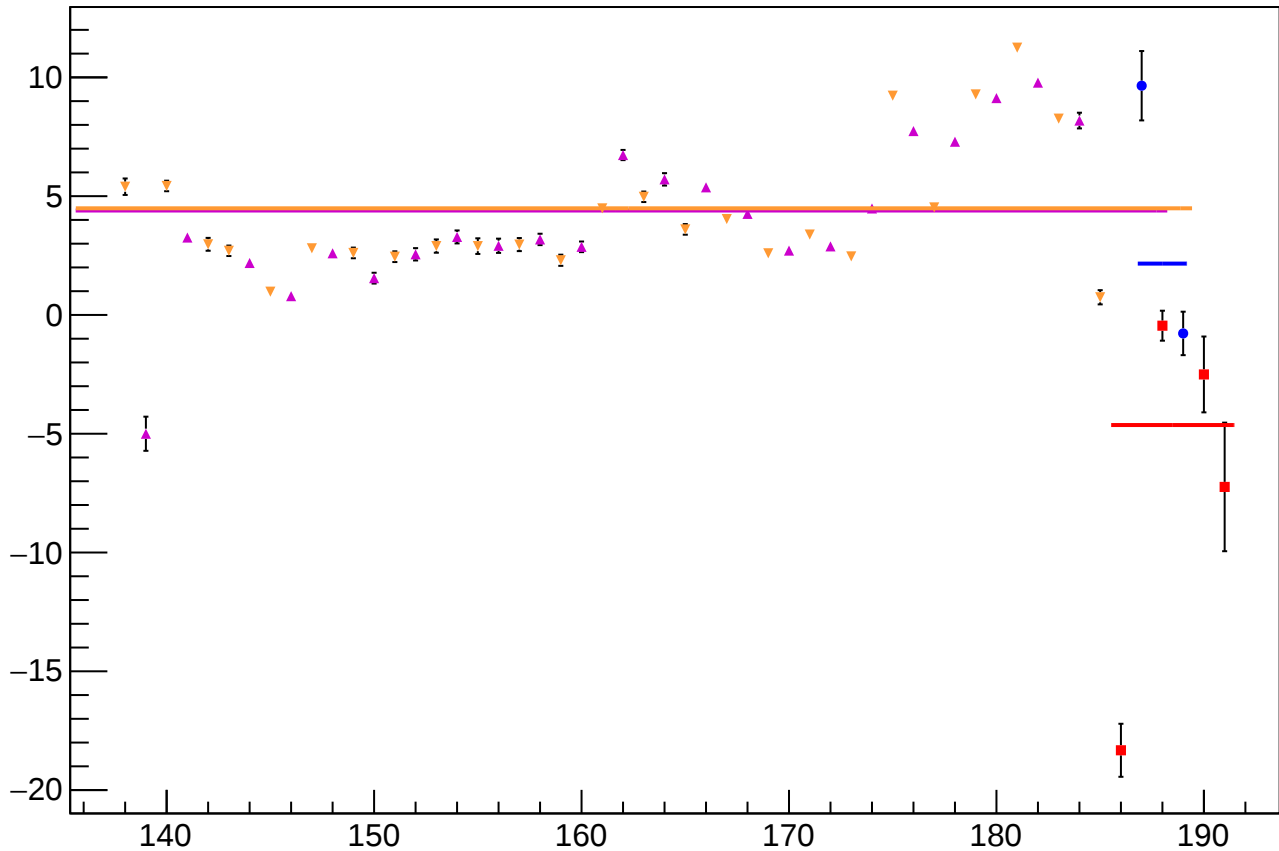
Left In: -9.865+/-0.051 χ^2/NDF :9345.4/22

+ sign -9.948 $\pm$ 0.050 χ^2 /NDF: 12830.5/26

All: -9.687 ± 0.036 χ^2/NDF : 30839.1/53

- sign -9.421+/-0.051 χ^2/NDF : 17954.4/26

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: -4.634 ± 0.510 $\chi^2/\text{NDF}: 197.1/3$

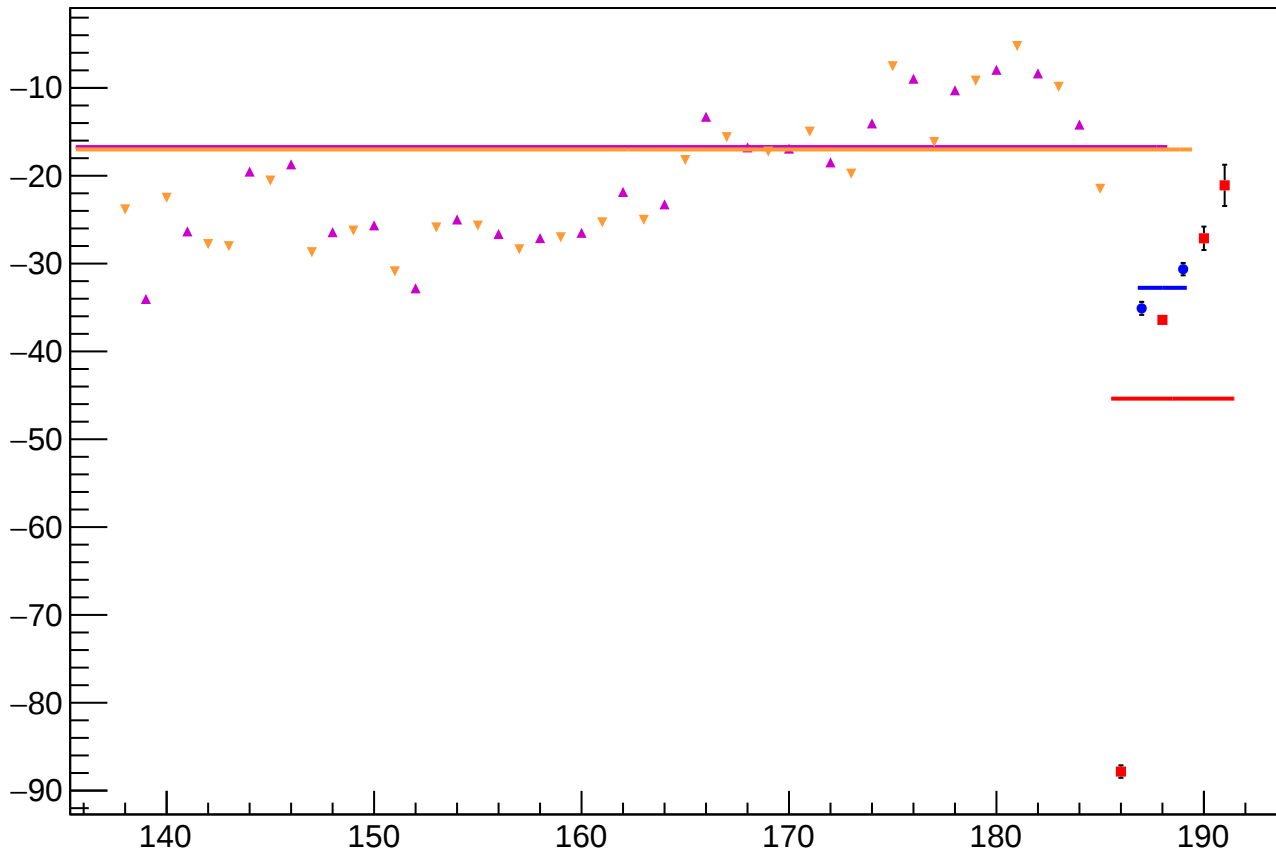
Left In: 4.396 ± 0.041 $\chi^2/\text{NDF}: 4230.4/22$

+ sign 4.482 ± 0.041 $\chi^2/\text{NDF}: 4877.9/26$

All: 4.411 ± 0.029 $\chi^2/\text{NDF}: 9623.2/53$

- sign 4.337 ± 0.041 $\chi^2/\text{NDF}: 4739.0/26$

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -32.758 ± 0.511 $\chi^2/\text{NDF}: 19.0/1$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -45.374 ± 0.309 $\chi^2/\text{NDF}: 4482.6/3$

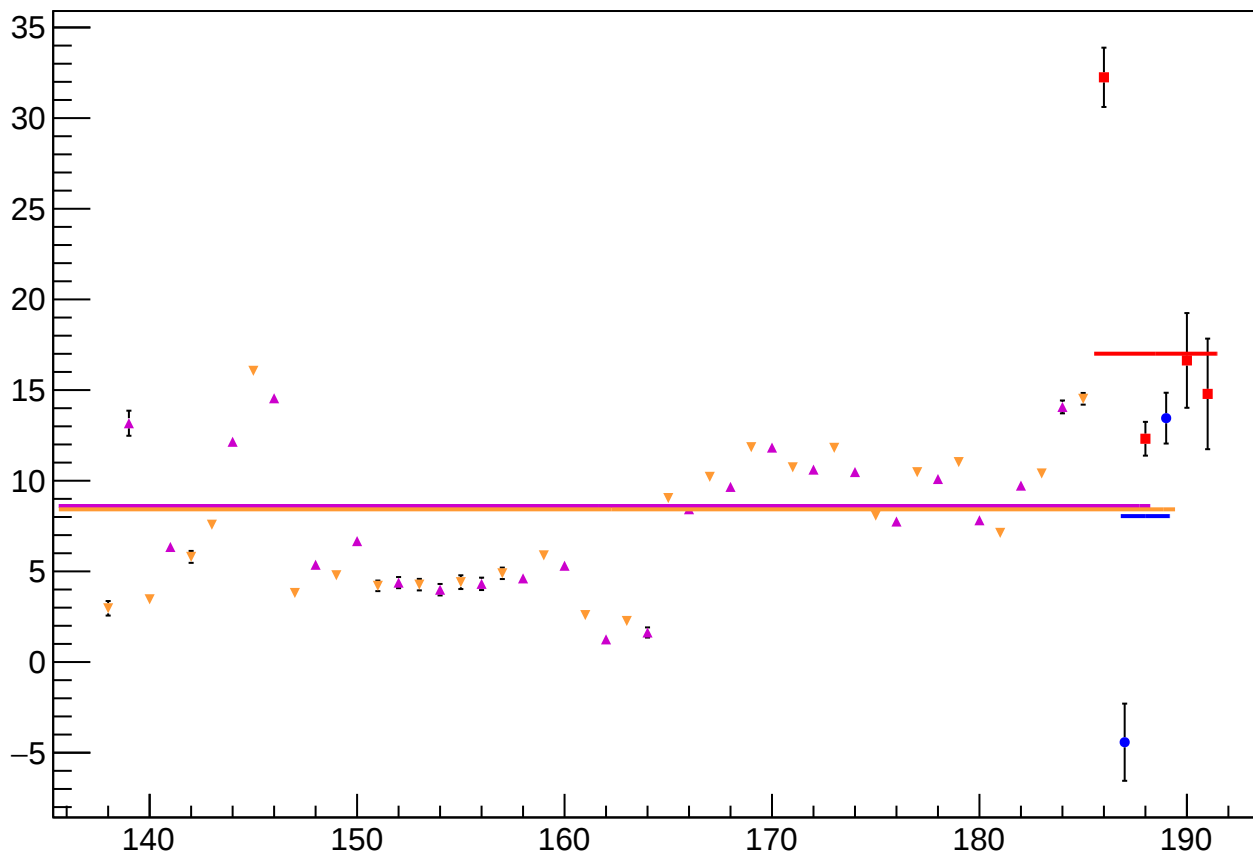
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.164 ± 0.051 $\chi^2/\text{NDF}: 23052.7/26$

All: -17.335 ± 0.036 $\chi^2/\text{NDF}: 54683.5/53$

- sign -17.506 ± 0.051 $\chi^2/\text{NDF}: 31608.2/26$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 8.049 $\pm$ 1.170 χ^2 /NDF: 49.2/1

Left Out: 8.422 $\pm$ 0.046 χ^2 /NDF: 6470.1/24

Right Out: 17.007 $\pm$ 0.749 χ^2 /NDF: 112.8/3

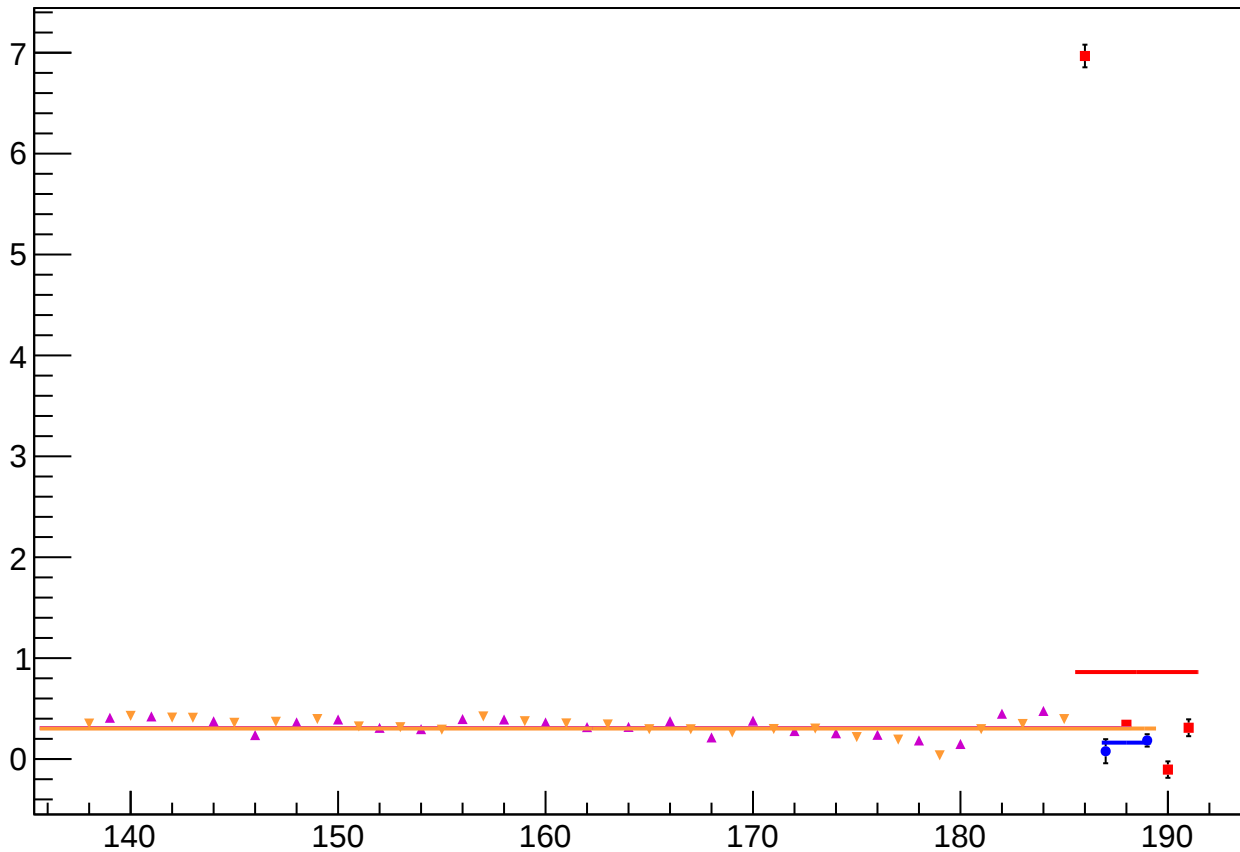
Left In: 8.606 $\pm$ 0.046 χ^2 /NDF: 5504.2/22

+ sign 8.421 $\pm$ 0.046 χ^2 /NDF: 6519.4/26

All: 8.528 $\pm$ 0.032 χ^2 /NDF: 12272.8/53

- sign 8.638 $\pm$ 0.046 χ^2 /NDF: 5742.2/26

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: 0.862 $\pm$ 0.034 χ^2 /NDF: 3282.4/3

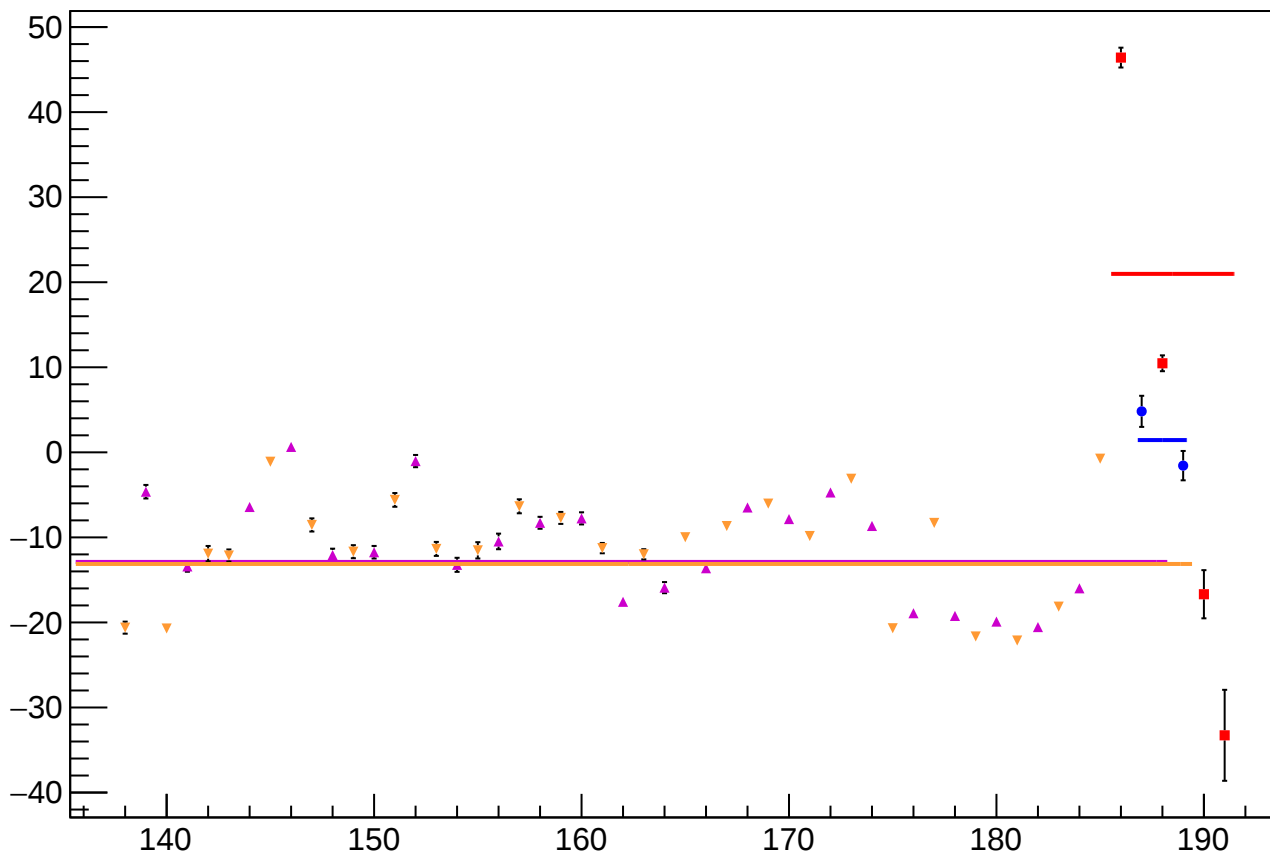
Left In: 0.307 $\pm$ 0.002 χ^2 /NDF: 1699.5/22

+ sign 0.302 $\pm$ 0.002 χ^2 /NDF: 1598.2/26

All: 0.306 $\pm$ 0.001 χ^2 /NDF: 6853.0/53

- sign 0.309 $\pm$ 0.002 χ^2 /NDF: 5249.1/26

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 1.442 ± 1.255 $\chi^2/\text{NDF}: 6.4/1$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: 20.981 ± 0.699 $\chi^2/\text{NDF}: 882.2/3$

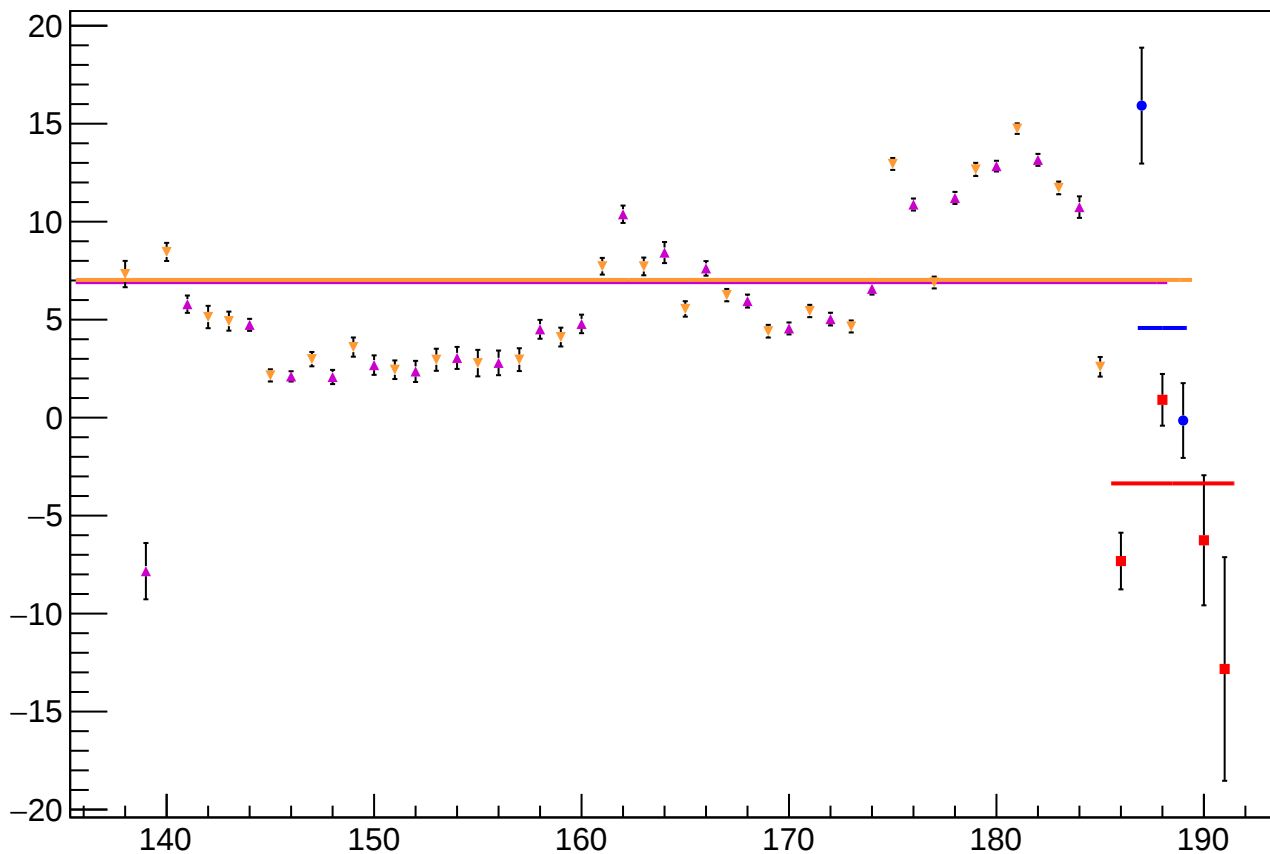
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.044 ± 0.093 $\chi^2/\text{NDF}: 6118.0/26$

All: -12.661 ± 0.066 $\chi^2/\text{NDF}: 14113.7/53$

- sign -12.270 ± 0.094 $\chi^2/\text{NDF}: 7961.6/26$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 4.576 $\pm$ 1.603 χ^2 /NDF: 20.9/1

Left Out: 7.028 $\pm$ 0.077 χ^2 /NDF:2665.3/24

Right Out: -3.357 $\pm$ 0.923 χ^2 /NDF: 21.5/3

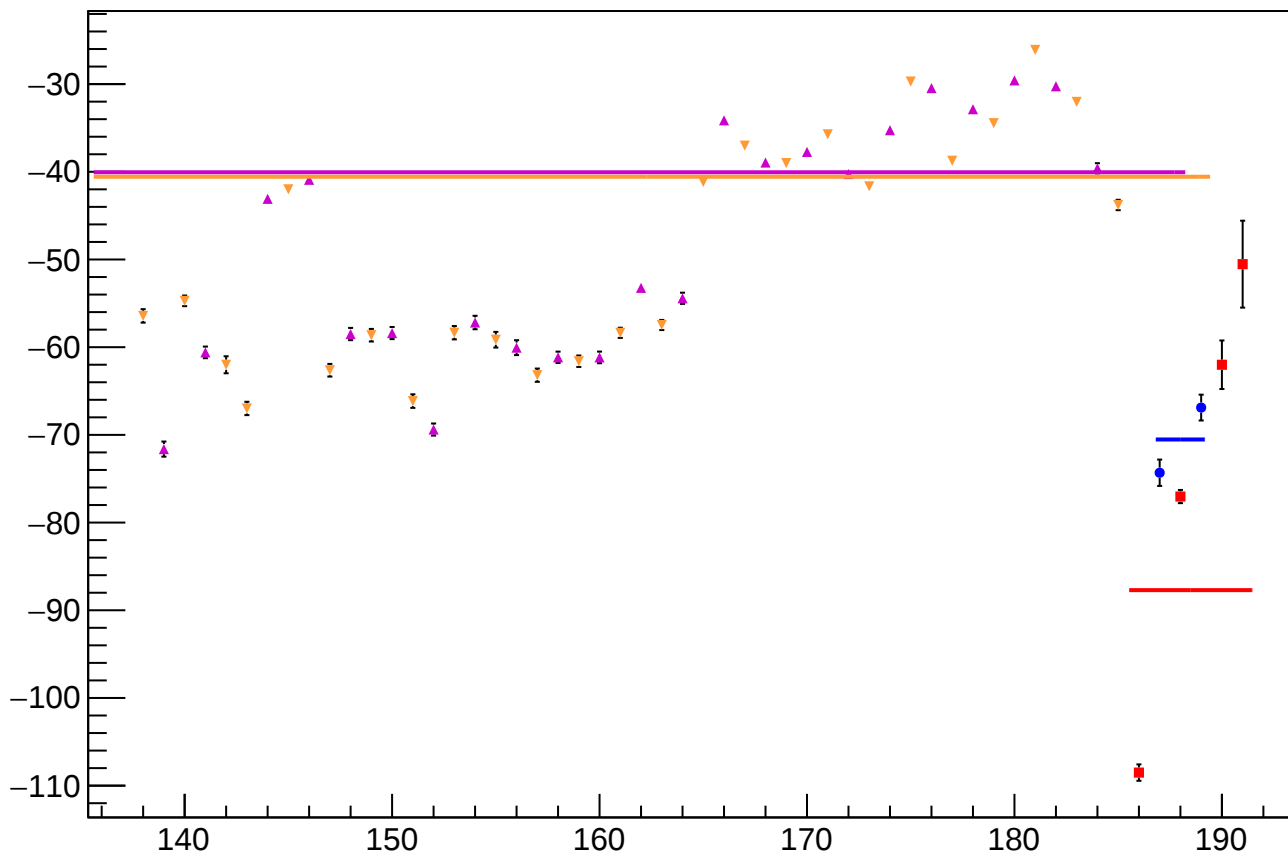
Left In: 6.914 $\pm$ 0.078 χ^2 /NDF:2428.2/22

+ sign 7.022 $\pm$ 0.077 χ^2 /NDF: 2688.5/26

All: 6.932 $\pm$ 0.055 χ^2 /NDF: 5264.0/53

- sign 6.842 $\pm$ 0.077 χ^2 /NDF: 2572.7/26

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: -87.705 ± 0.569 $\chi^2/\text{NDF}: 838.7/3$

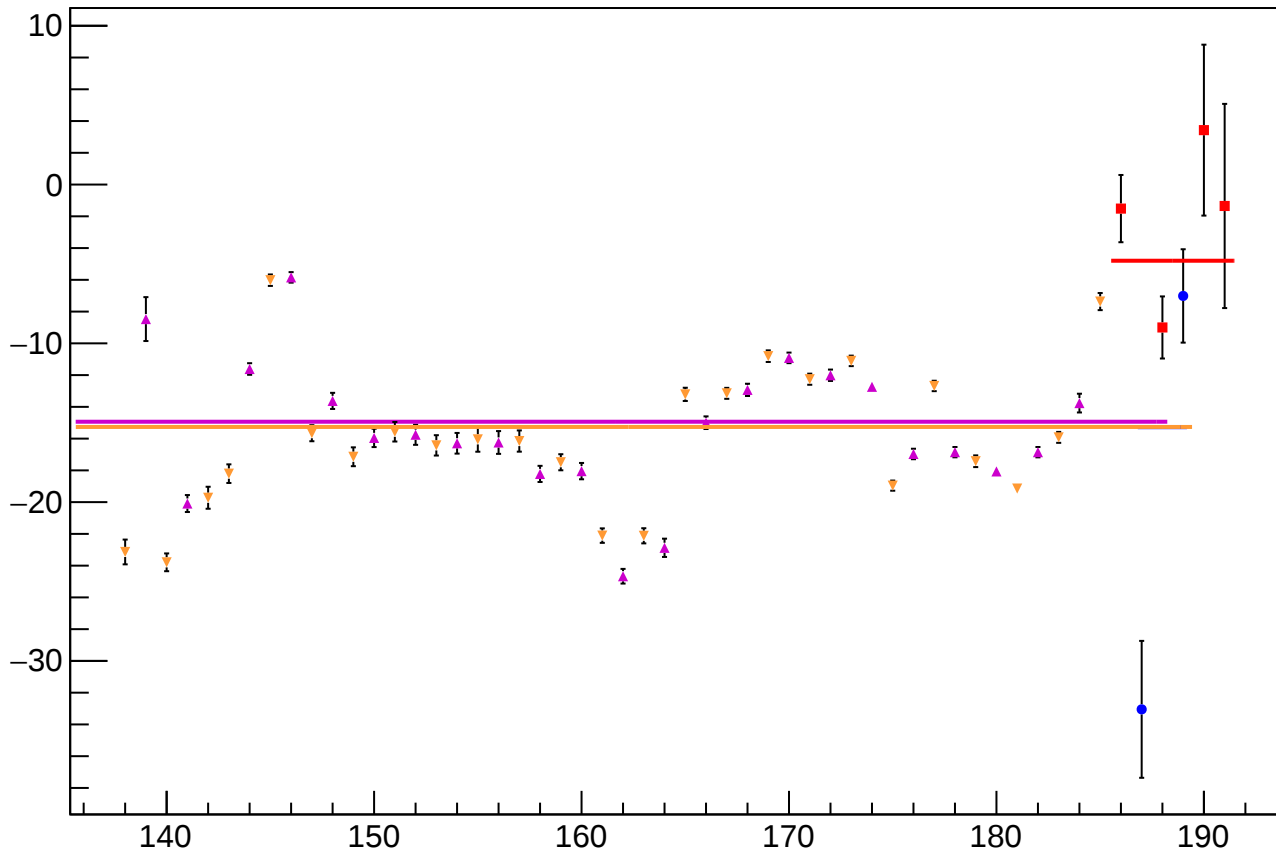
Left In: -40.053 ± 0.096 $\chi^2/\text{NDF}: 13927.3/22$

+ sign -40.804 ± 0.094 $\chi^2/\text{NDF}: 16455.1/26$

All: -41.083 ± 0.067 $\chi^2/\text{NDF}: 38049.4/53$

- sign -41.361 ± 0.094 $\chi^2/\text{NDF}: 21576.8/26$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -15.280 $\pm$ 2.429 χ^2 /NDF: 24.9/1

Left Out: -15.266 $\pm$ 0.086 χ^2 /NDF:2595.5/24

Right Out: -4.797 $\pm$ 1.357 χ^2 /NDF: 9.6/3

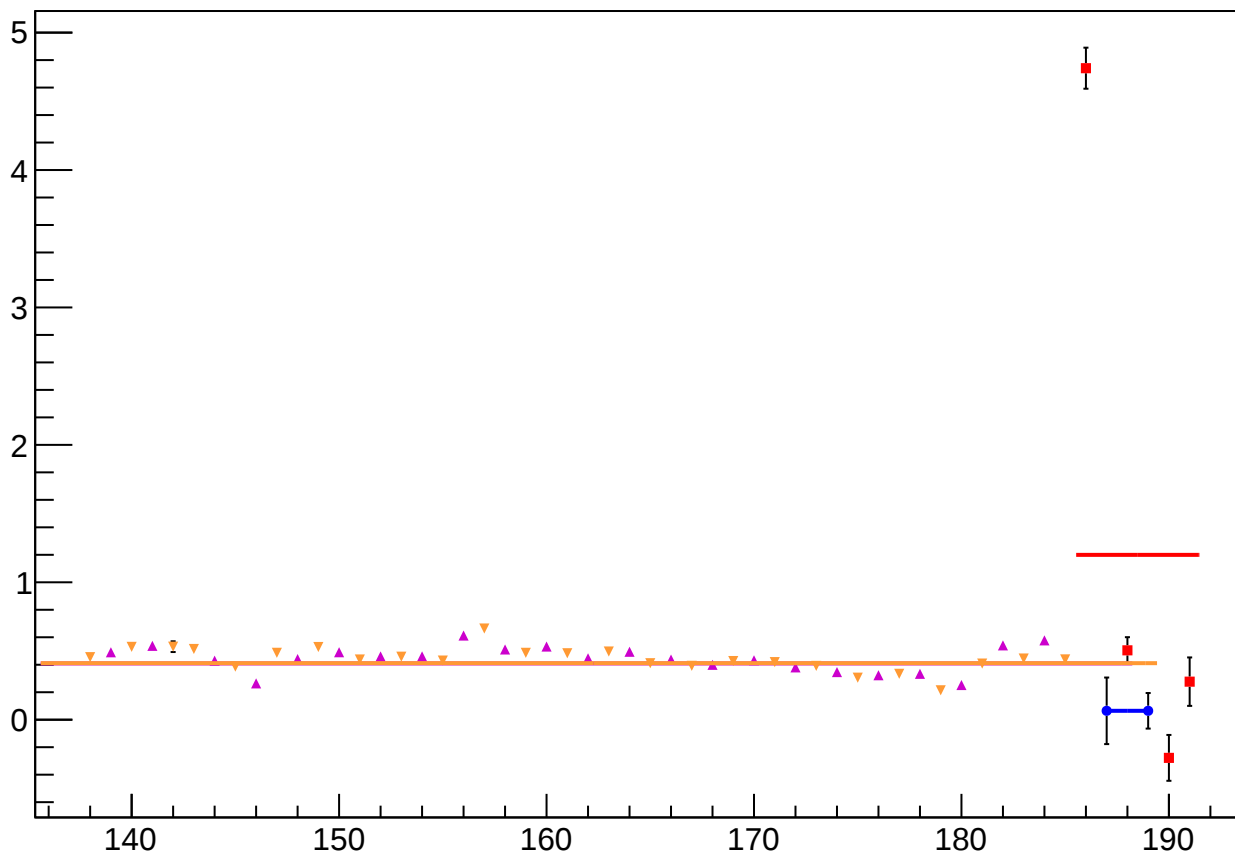
Left In: -14.936 $\pm$ 0.087 χ^2 /NDF:2199.7/22

+ sign -15.266 $\pm$ 0.086 χ^2 /NDF: 2620.3/26

All: -15.082 $\pm$ 0.061 χ^2 /NDF: 4894.6/53

- sign -14.895 $\pm$ 0.087 χ^2 /NDF: 2265.0/26

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.065 $\pm$ 0.114 χ^2 /NDF: 0.0/1

Left Out: 0.411 $\pm$ 0.004 χ^2 /NDF: 428.7/24

Right Out: 1.200 $\pm$ 0.067 χ^2 /NDF: 720.7/3

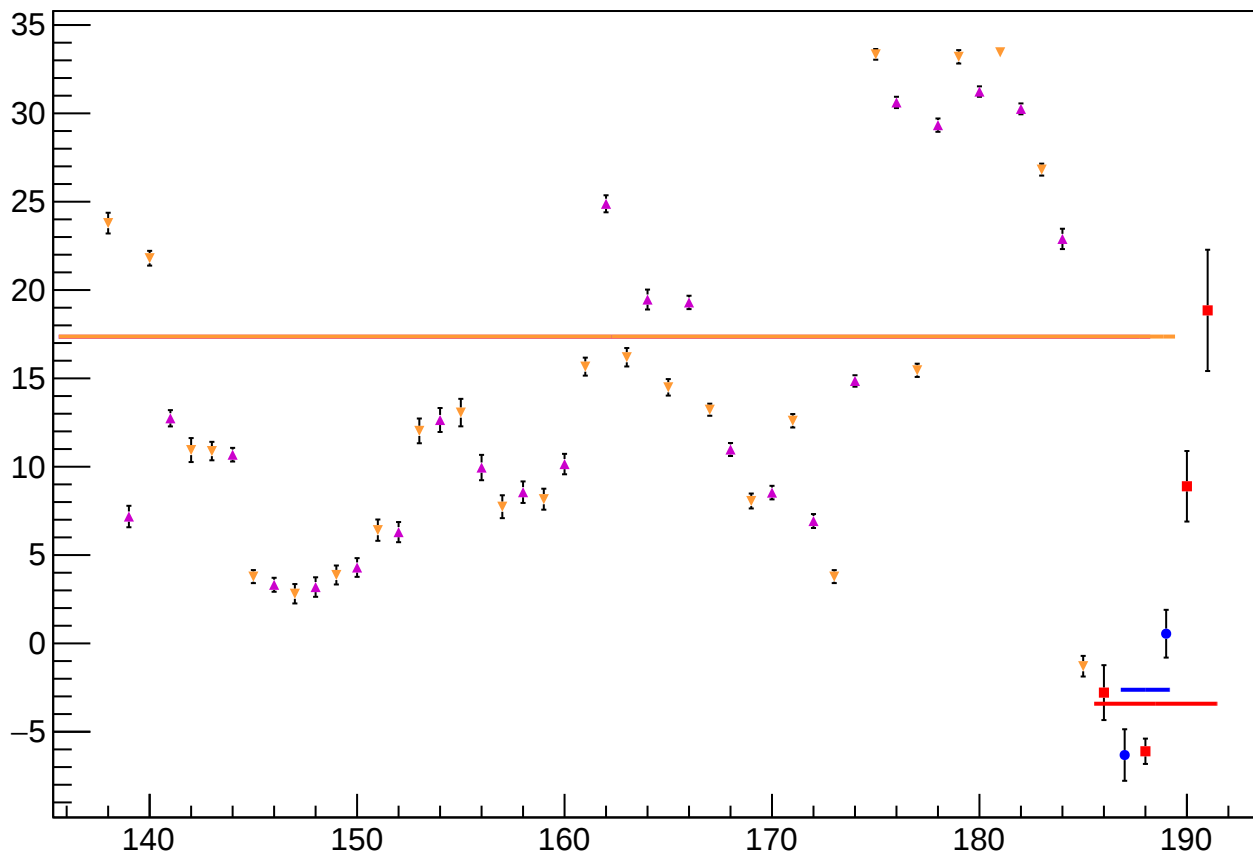
Left In: 0.409 $\pm$ 0.004 χ^2 /NDF: 557.8/22

+ sign 0.411 $\pm$ 0.004 χ^2 /NDF: 437.9/26

All: 0.412 $\pm$ 0.003 χ^2 /NDF: 1854.7/53

- sign 0.412 $\pm$ 0.004 χ^2 /NDF: 1416.8/26

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: -3.414+/-0.609 χ^2/NDF : 94.3/3

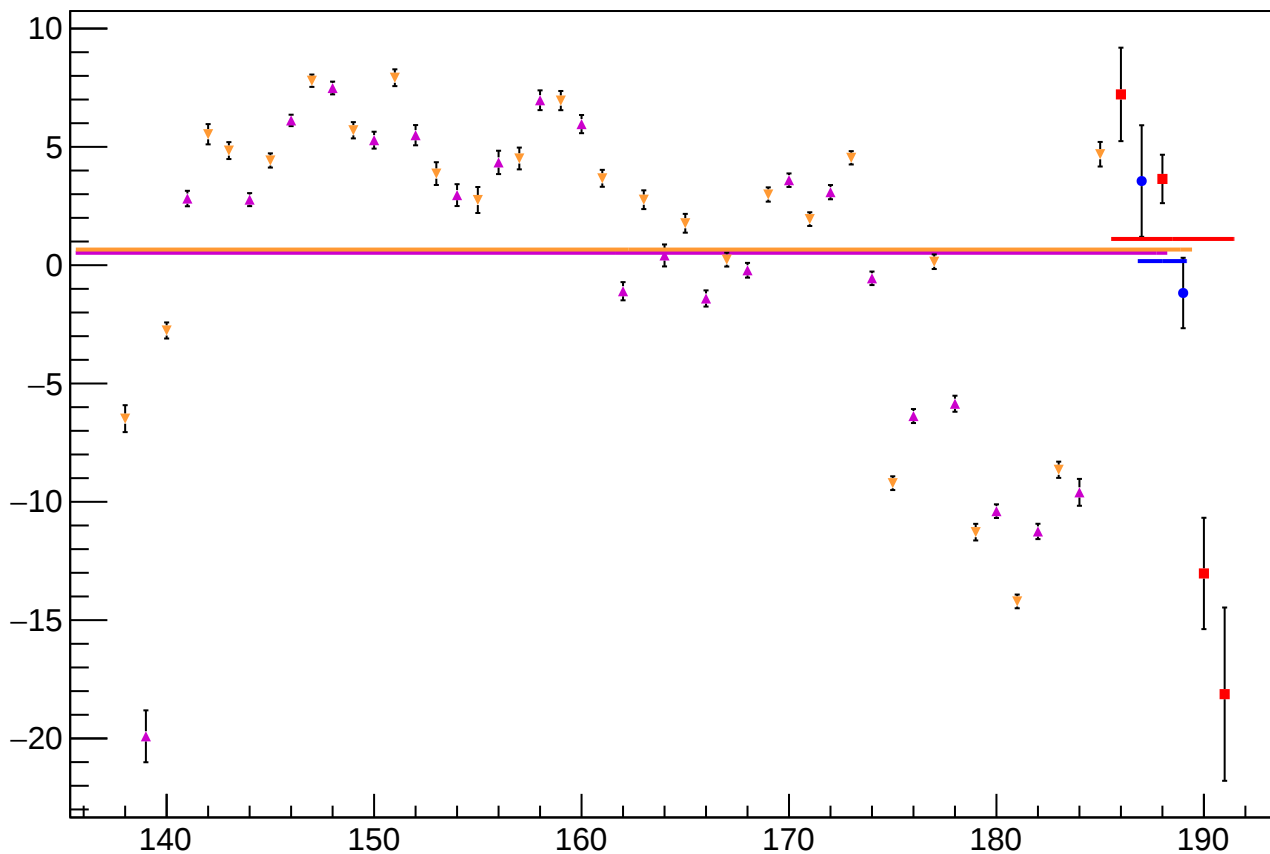
Left In: 17.355+/-0.089 χ^2/NDF :12745.1/22

+ sign 17.214+/-0.087 χ^2/NDF : 16753.0/26

All: 17.070+/-0.062 χ^2/NDF : 30736.9/53

- sign 16.922+/-0.088 χ^2/NDF : 13978.3/26

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: 1.109 ± 0.826 χ^2/NDF : 79.4/3

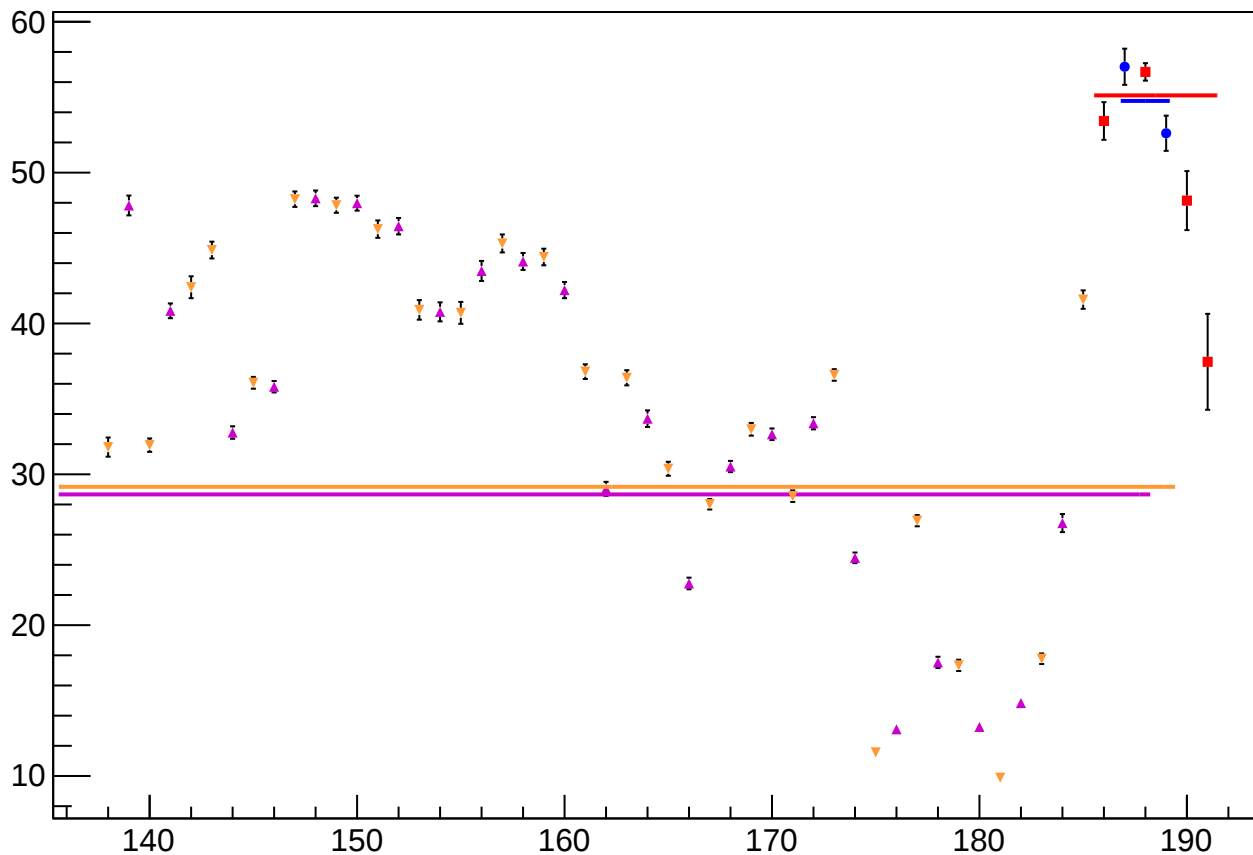
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.659 ± 0.069 χ^2/NDF : 8556.9/26

All: 0.595 ± 0.049 χ^2/NDF : 15368.3/53

- sign 0.528 ± 0.071 χ^2/NDF : 6809.6/26

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: 55.119 $\pm$ 0.501 χ^2 /NDF: 52.6/3

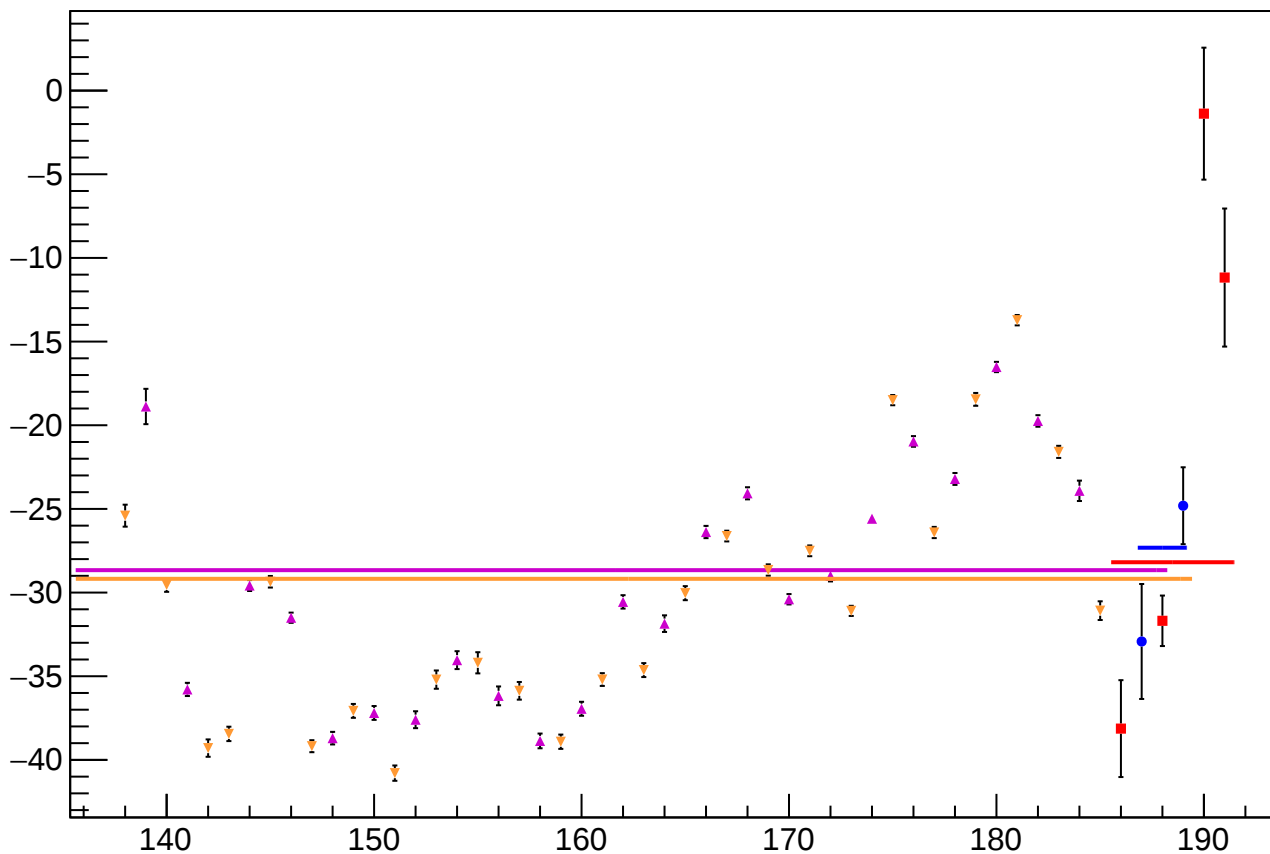
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 29.450 $\pm$ 0.087 χ^2 /NDF: 19907.6/26

All: 29.465 $\pm$ 0.062 χ^2 /NDF: 39513.3/53

- sign 29.480 $\pm$ 0.088 χ^2 /NDF: 19605.7/26

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -27.319 ± 1.910 $\chi^2/\text{NDF}: 3.9/1$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -28.187 ± 1.211 $\chi^2/\text{NDF}: 80.4/3$

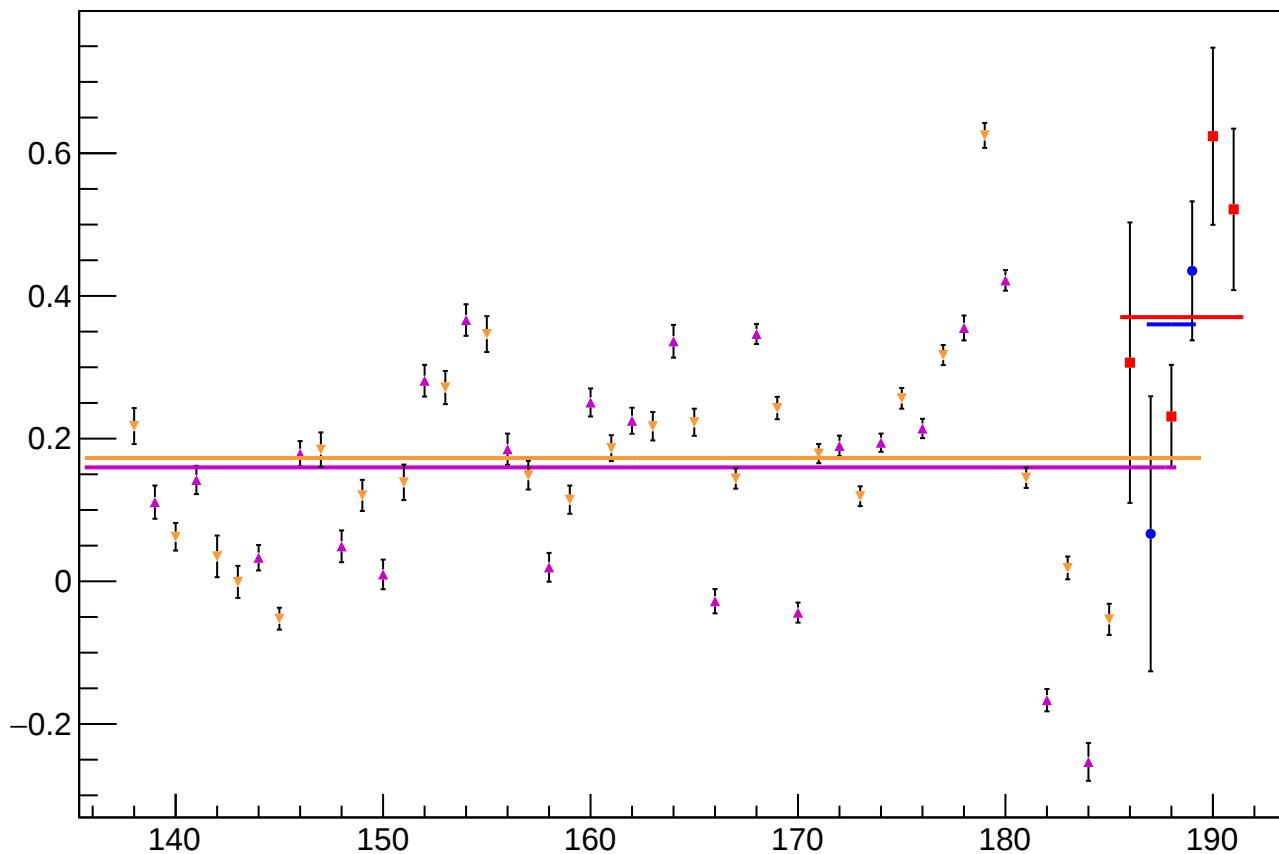
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -29.175 ± 0.078 $\chi^2/\text{NDF}: 9086.2/26$

All: -28.922 ± 0.056 $\chi^2/\text{NDF}: 15858.3/53$

- sign -28.658 ± 0.080 $\chi^2/\text{NDF}: 6750.7/26$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.360 ± 0.087 $\chi^2/\text{NDF}: 2.9/1$

Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1478.5/24$

Right Out: 0.370 ± 0.053 $\chi^2/\text{NDF}: 9.8/3$

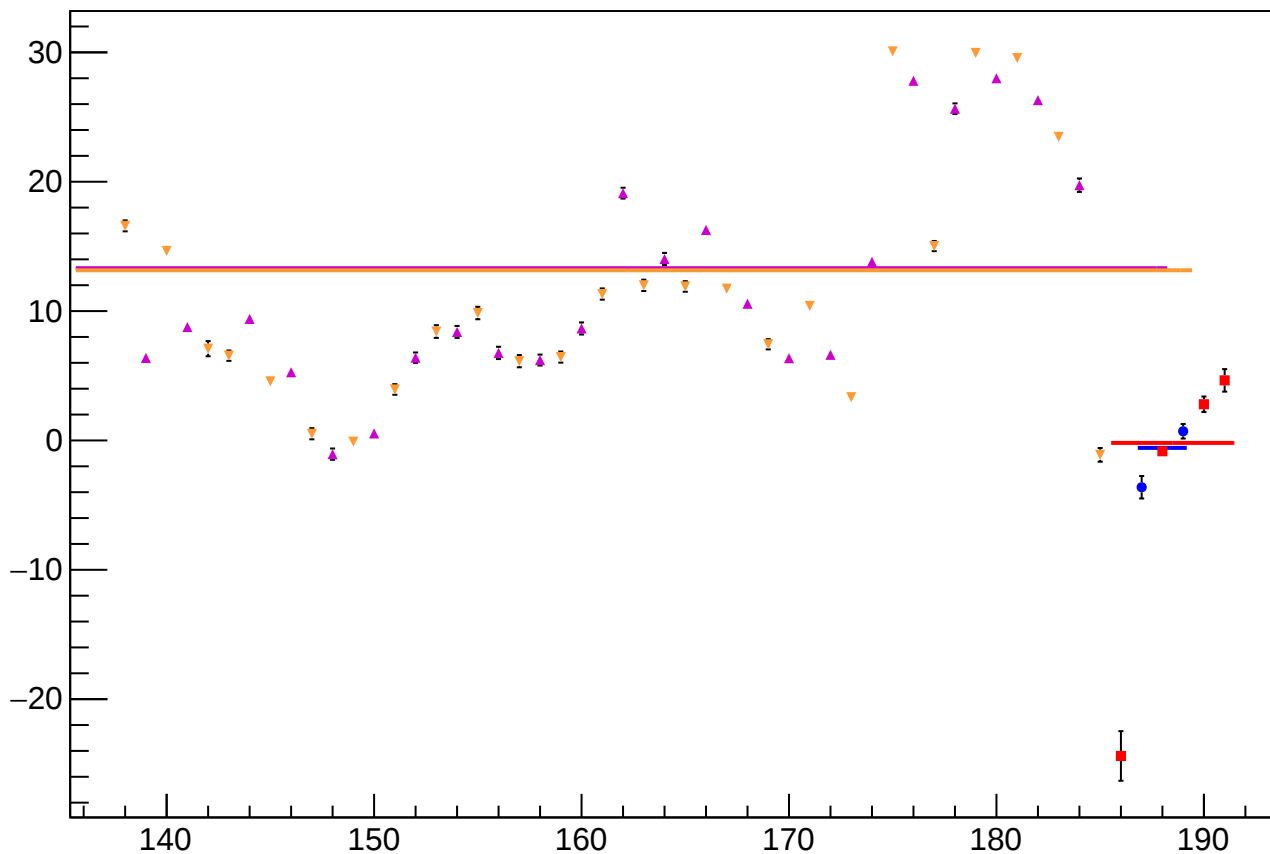
Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2057.9/22$

+ sign 0.173 ± 0.004 $\chi^2/\text{NDF}: 1486.0/26$

All: 0.167 ± 0.003 $\chi^2/\text{NDF}: 3575.5/53$

- sign 0.161 ± 0.004 $\chi^2/\text{NDF}: 2083.6/26$

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: -0.189 ± 0.243 χ^2/NDF : 220.0/3

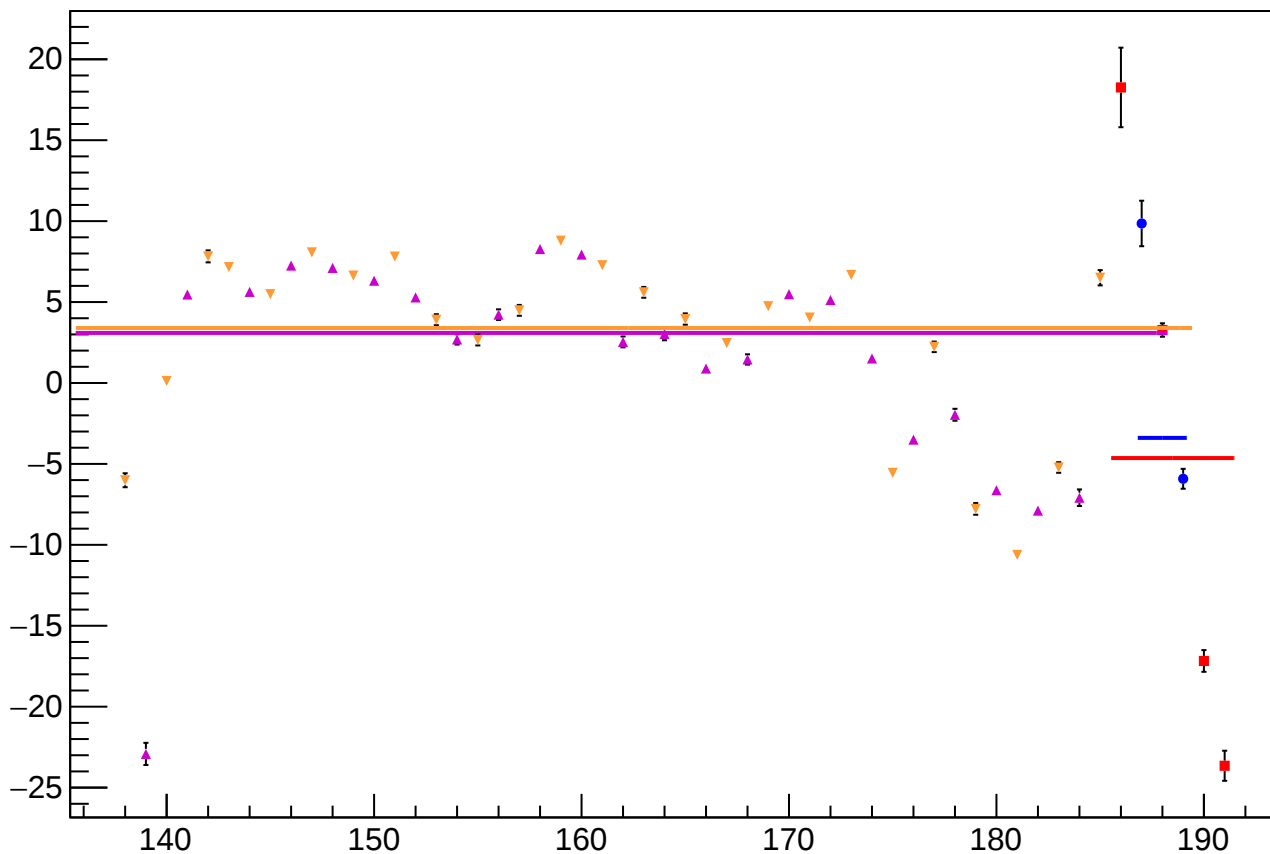
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 12.814 ± 0.074 χ^2/NDF : 17920.2/26

All: 12.442 ± 0.052 χ^2/NDF : 34977.0/53

- sign 12.078 ± 0.073 χ^2/NDF : 17007.3/26

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: -4.639 ± 0.327 $\chi^2/\text{NDF}: 1218.8/3$

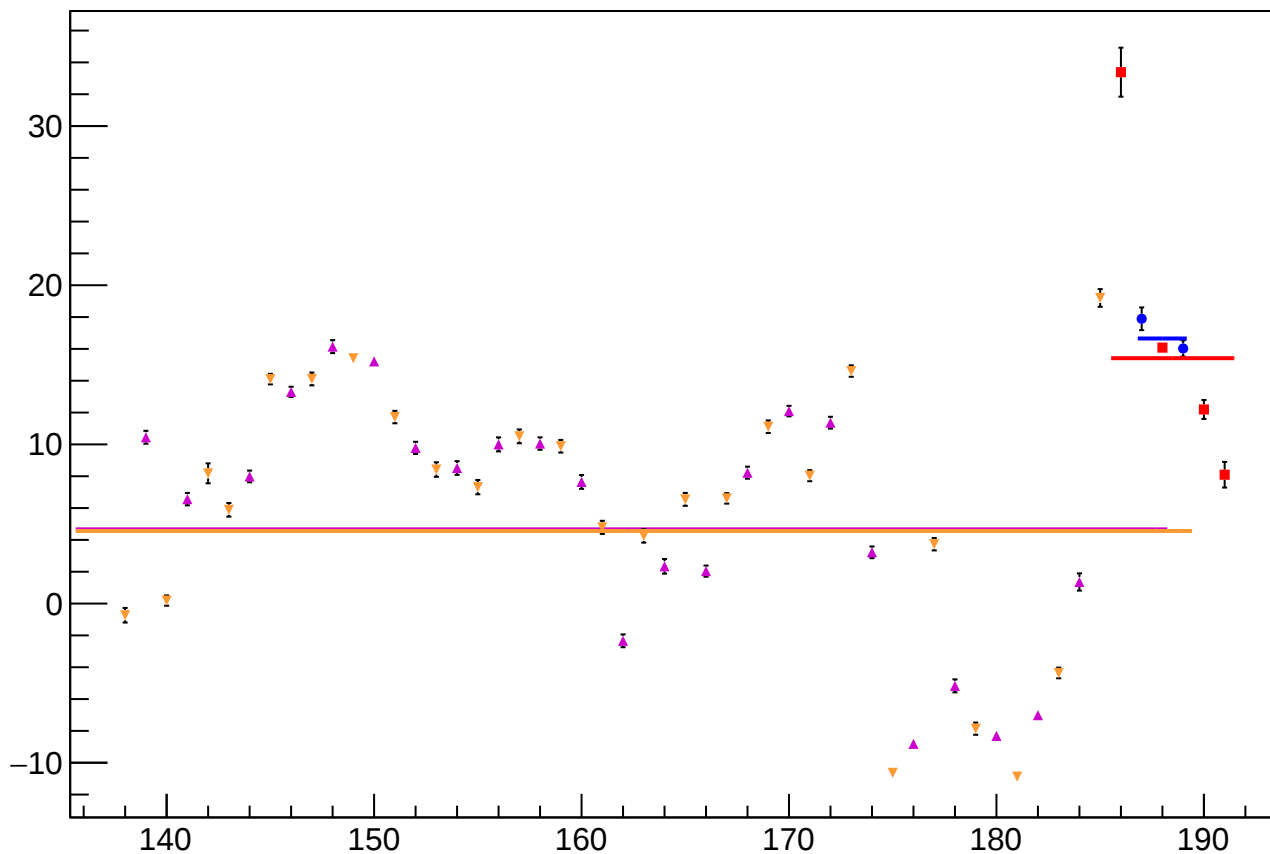
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 3.323 ± 0.058 $\chi^2/\text{NDF}: 8351.3/26$

All: 3.086 ± 0.042 $\chi^2/\text{NDF}: 17250.2/53$

- sign 2.835 ± 0.060 $\chi^2/\text{NDF}: 8864.5/26$

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: 15.417+/-0.205 χ^2/NDF : 255.9/3

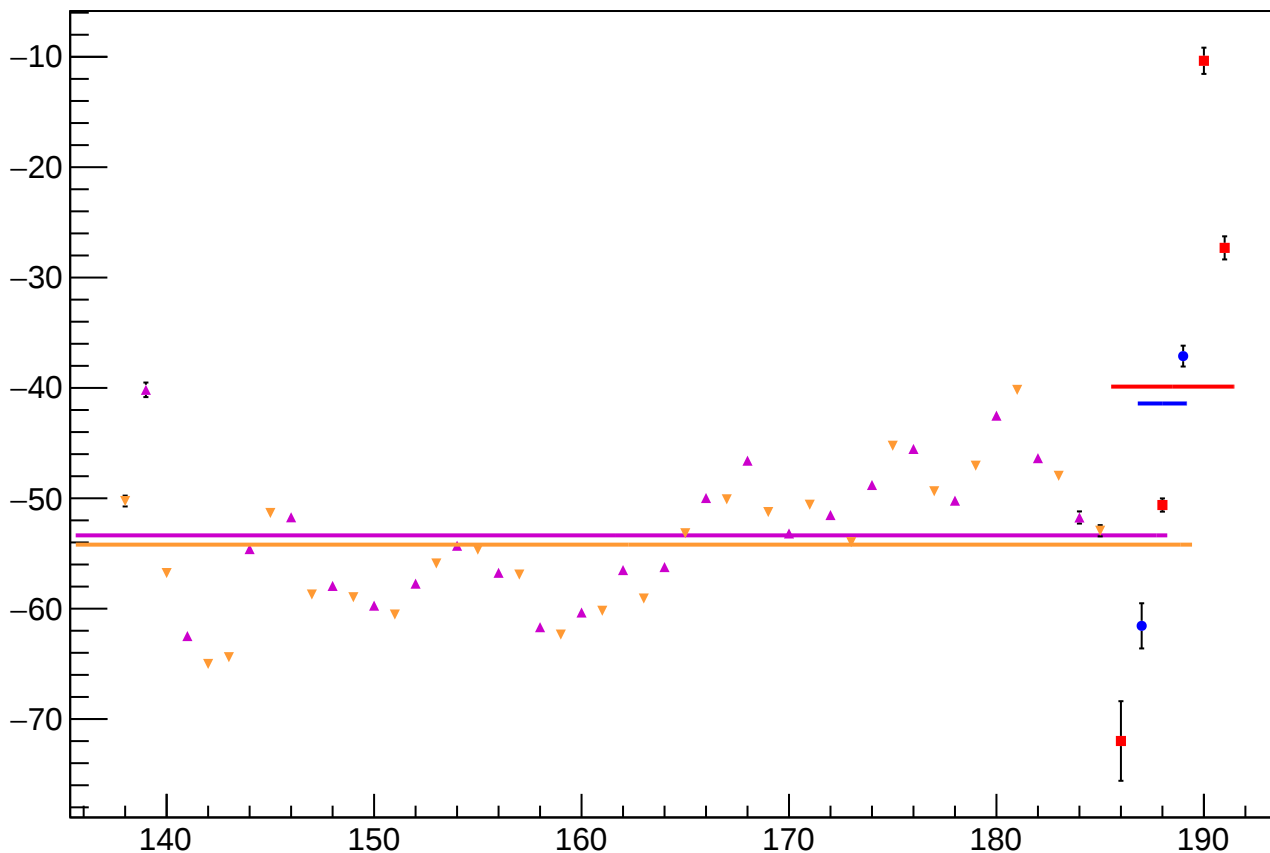
Left In: 4.662+/-0.077 χ^2/NDF :11281.5/22

+ sign 4.950+/-0.074 χ^2/NDF : 14424.7/26

All: 5.486+/-0.052 χ^2/NDF : 28484.4/53

- sign 5.990+/-0.072 χ^2/NDF : 13958.4/26

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: -39.881 $\pm$ 0.472 χ^2 /NDF: 1161.4/3

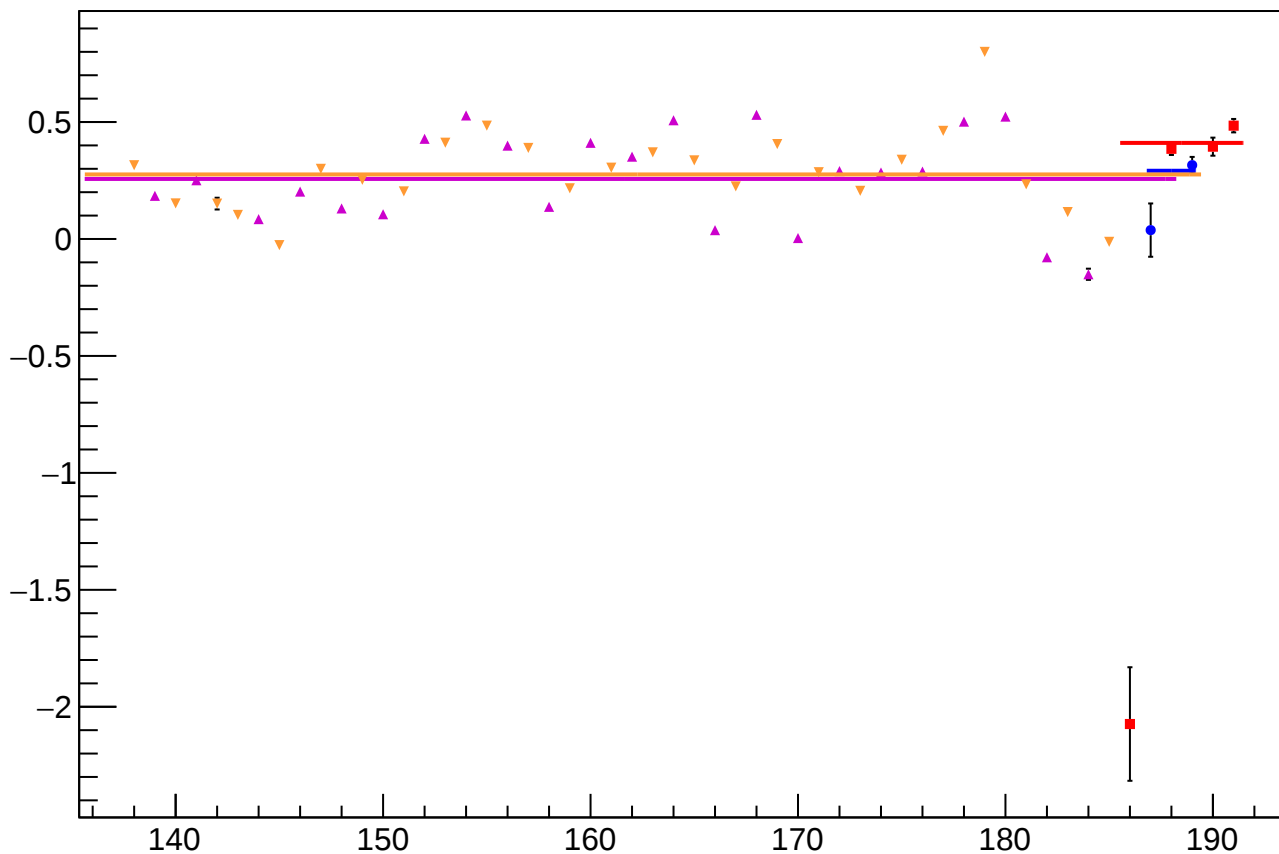
Left In: -53.359 $\pm$ 0.068 χ^2 /NDF: 6882.0/22

+ sign -54.123 $\pm$ 0.066 χ^2 /NDF: 8793.2/26

All: -53.614 $\pm$ 0.047 χ^2 /NDF: 17755.4/53

- sign -53.081 $\pm$ 0.068 χ^2 /NDF: 8841.4/26

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.292 ± 0.034 χ^2/NDF : 5.4/1

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.411 ± 0.017 χ^2/NDF : 112.4/3

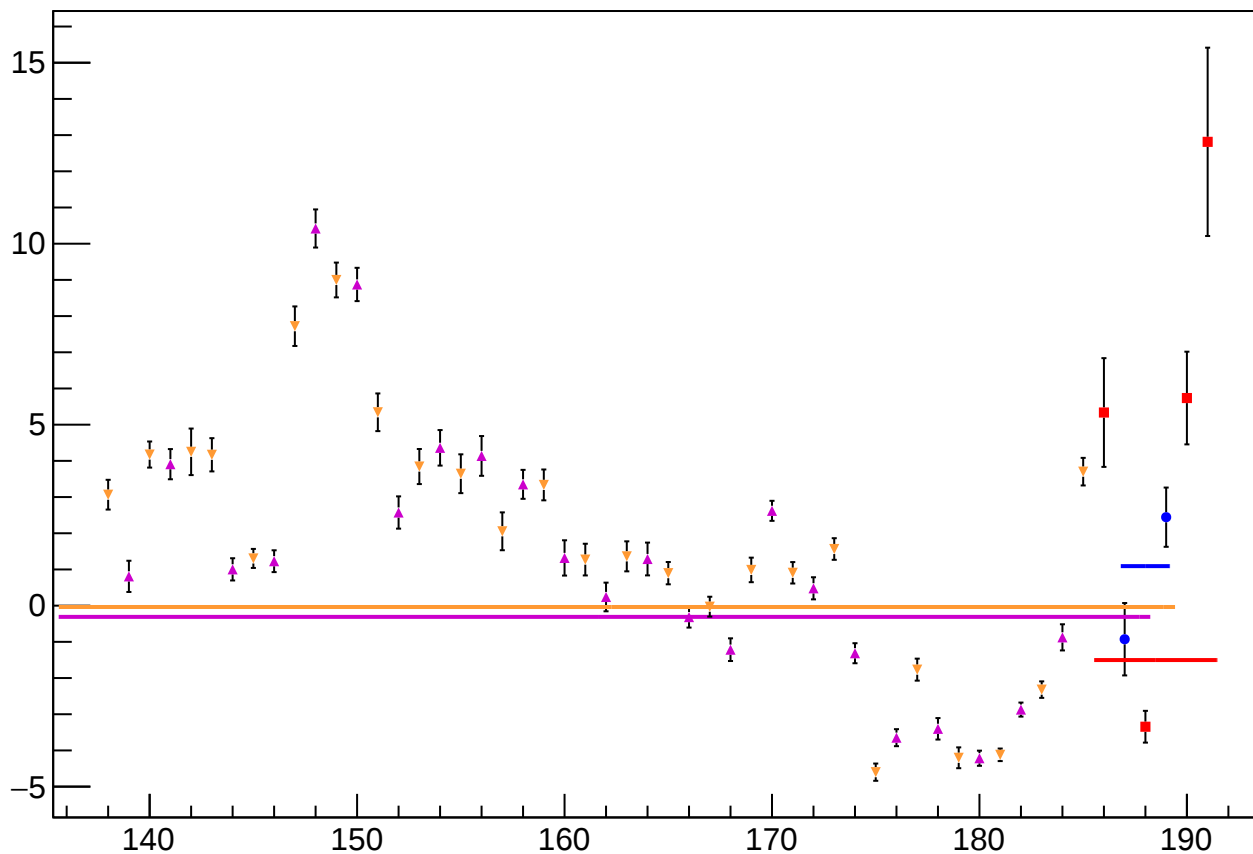
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.276 ± 0.003 χ^2/NDF : 2629.2/26

All: 0.269 ± 0.002 χ^2/NDF : 6453.8/53

- sign 0.261 ± 0.003 χ^2/NDF : 3813.2/26

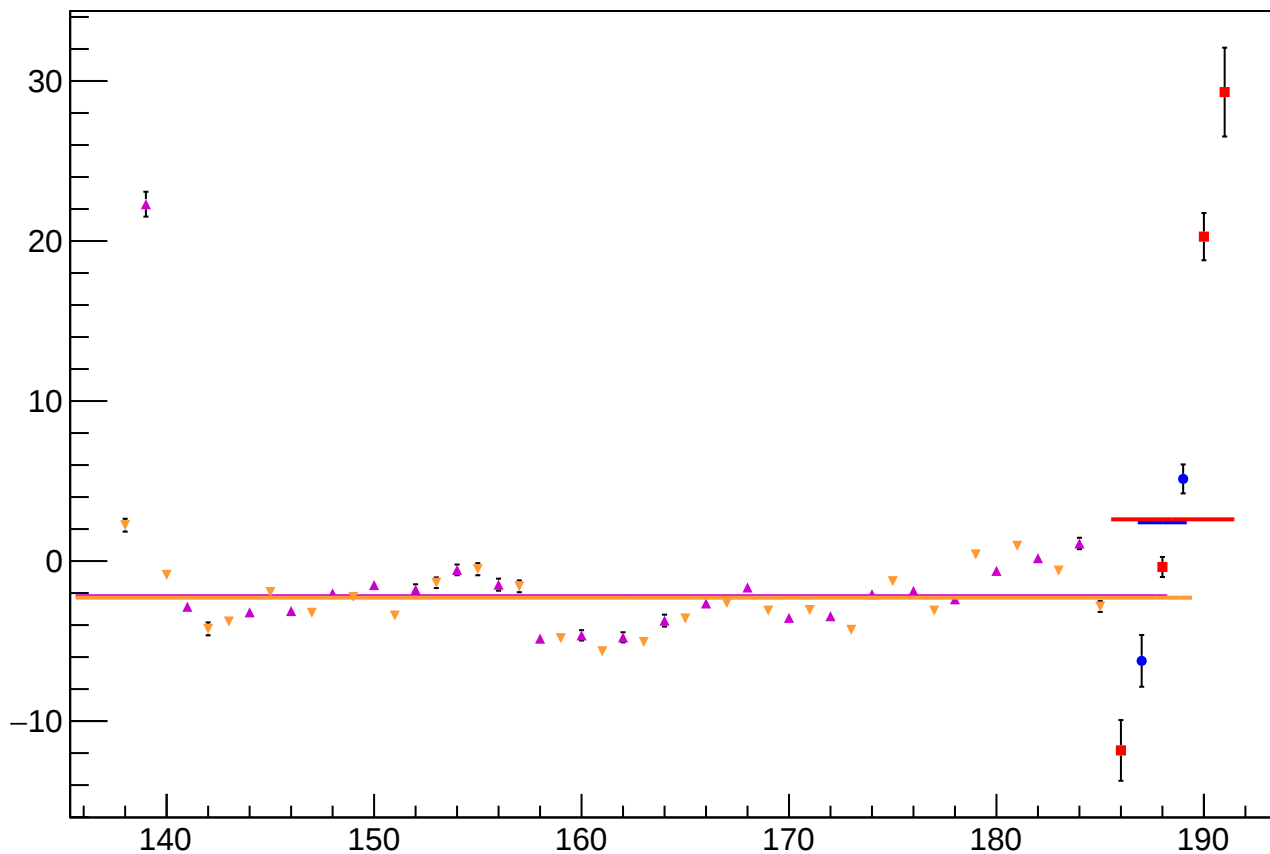
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.092 ± 0.633 $\chi^2/\text{NDF}: 6.8/1$
 Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$
 Right Out: -1.503 ± 0.396 $\chi^2/\text{NDF}: 100.6/3$
 Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

+ sign -0.025 ± 0.066 $\chi^2/\text{NDF}: 2647.6/26$
 All: -0.183 ± 0.047 $\chi^2/\text{NDF}: 5019.1/53$
 - sign -0.344 ± 0.066 $\chi^2/\text{NDF}: 2359.9/26$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 2.422 ± 0.790 $\chi^2/\text{NDF}: 37.6/1$

Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$

Right Out: 2.607 ± 0.542 $\chi^2/\text{NDF}: 315.9/3$

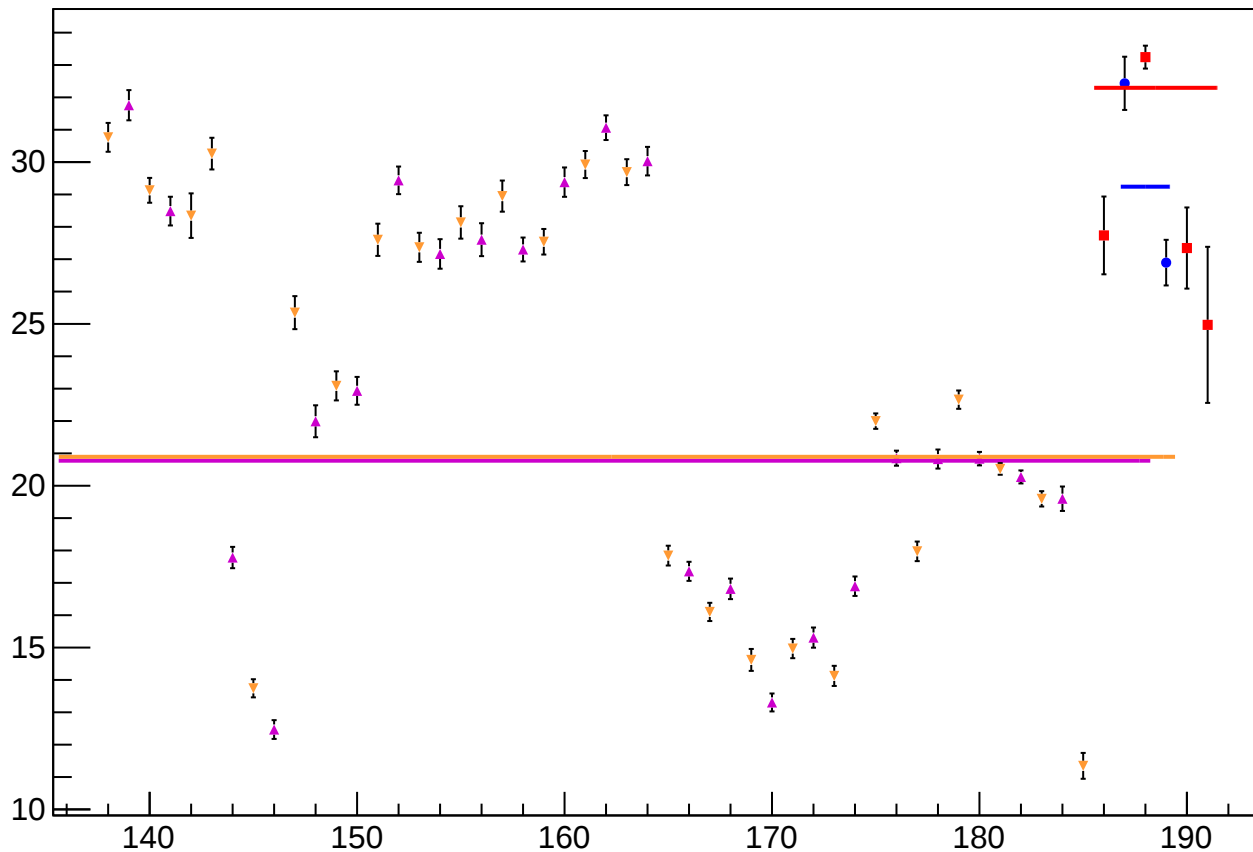
Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -2.266 ± 0.054 $\chi^2/\text{NDF}: 1210.7/26$

All: -2.208 ± 0.038 $\chi^2/\text{NDF}: 3280.6/53$

- sign -2.149 ± 0.055 $\chi^2/\text{NDF}: 2067.6/26$

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: 32.295 $\pm$ 0.325 χ^2 /NDF: 46.4/3

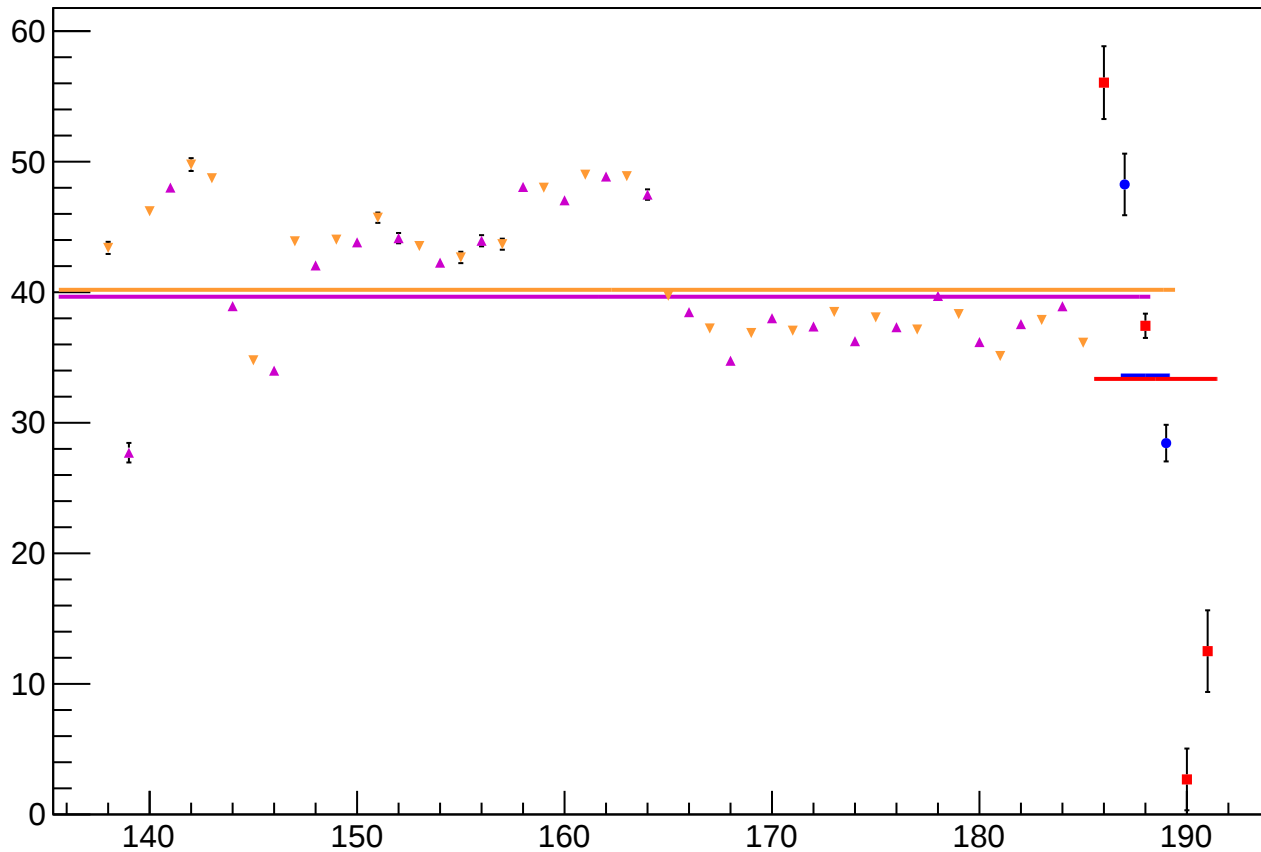
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF: 5927.9/22

+ sign 21.022 $\pm$ 0.066 χ^2 /NDF: 6921.1/26

All: 21.137 $\pm$ 0.047 χ^2 /NDF: 14107.9/53

- sign 21.252 $\pm$ 0.066 χ^2 /NDF: 7180.8/26

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: 33.361 $\pm$ 0.799 χ^2 /NDF: 298.2/3

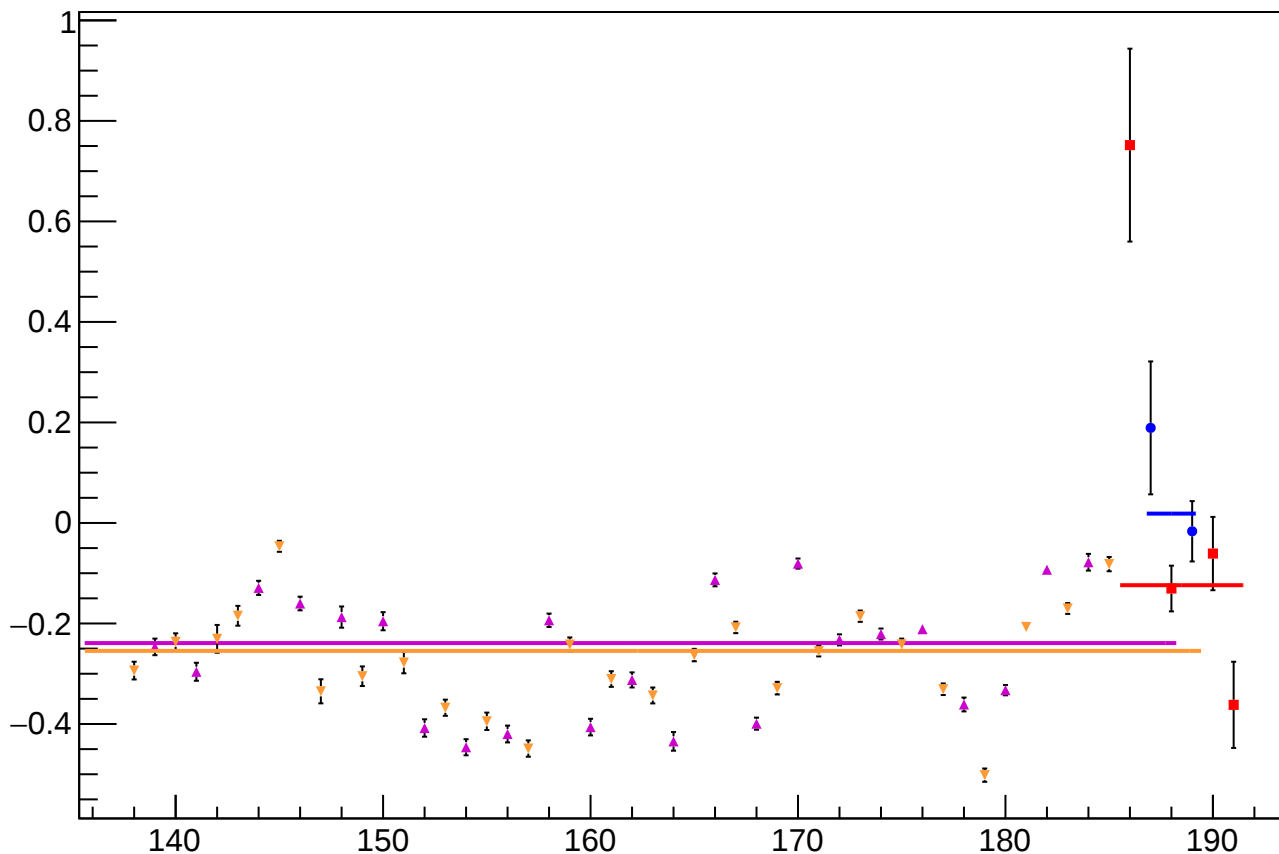
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 40.170 $\pm$ 0.060 χ^2 /NDF: 6014.4/26

All: 39.898 $\pm$ 0.043 χ^2 /NDF: 11714.0/53

- sign 39.618 $\pm$ 0.061 χ^2 /NDF: 5658.4/26

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.019 ± 0.055 χ^2/NDF : 2.0/1

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.124 ± 0.035 χ^2/NDF : 29.3/3

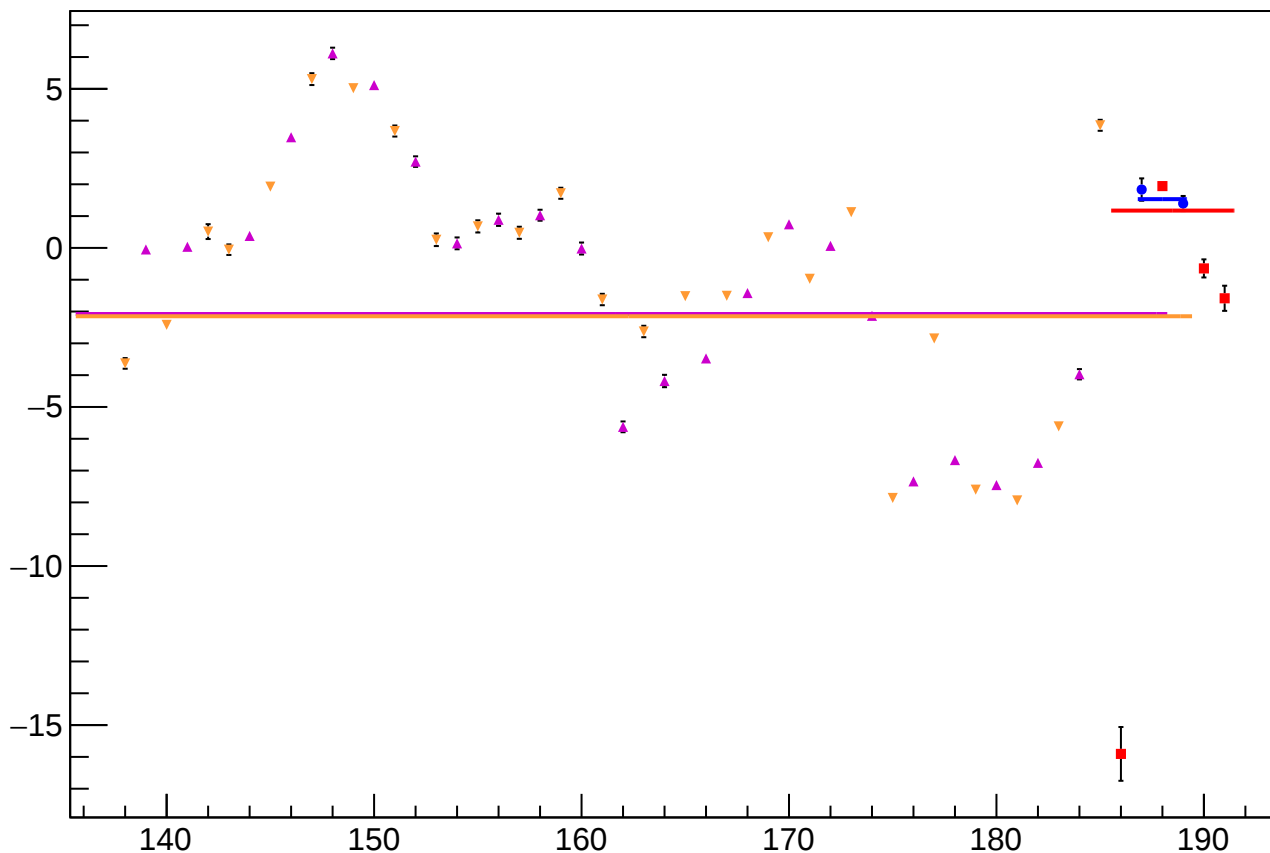
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.254 ± 0.003 χ^2/NDF : 1447.4/26

All: -0.246 ± 0.002 χ^2/NDF : 3254.1/53

- sign -0.238 ± 0.003 χ^2/NDF : 1790.8/26

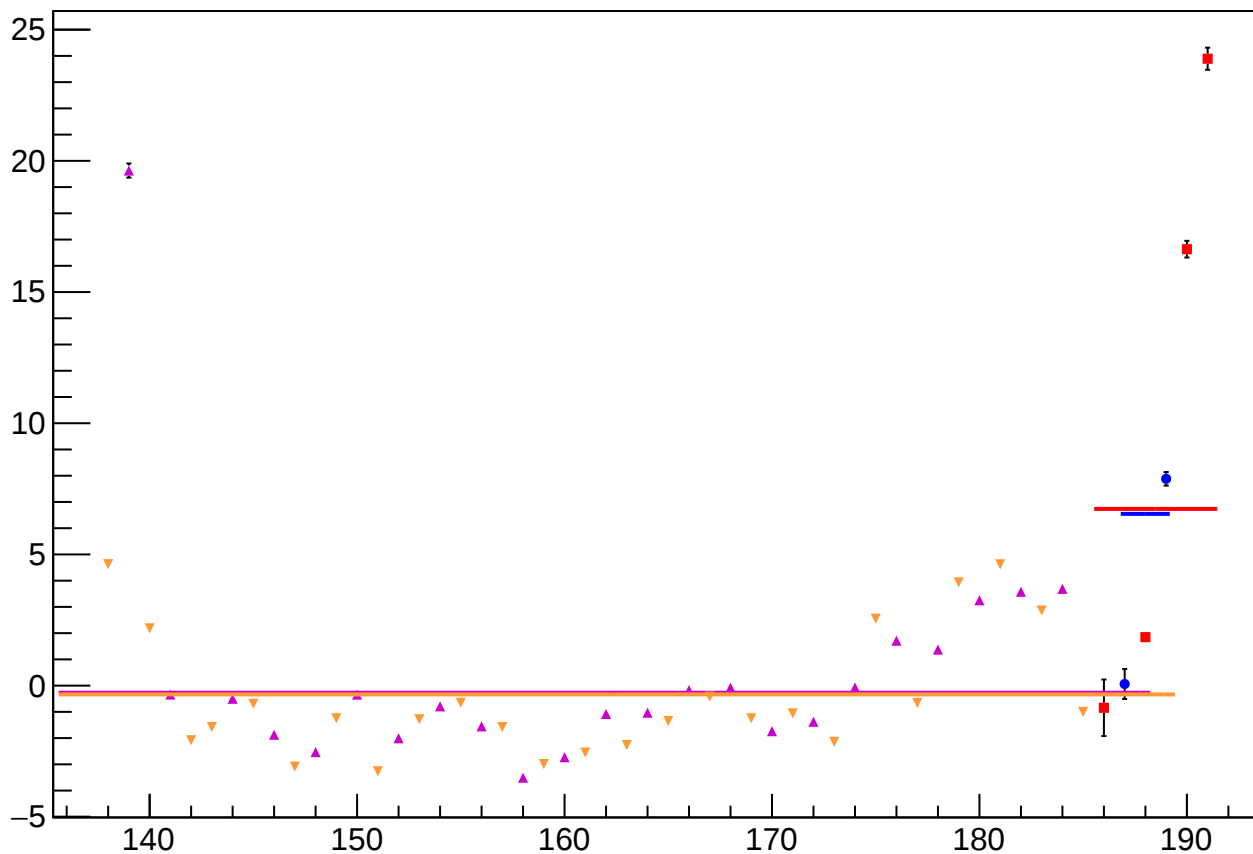
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



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: 1.173 $\pm$ 0.098 χ^2 /NDF: 546.9/3
 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: -1.975 $\pm$ 0.018 χ^2 /NDF: 49733.9/53
 - sign -1.865 $\pm$ 0.025 χ^2 /NDF: 24813.1/26

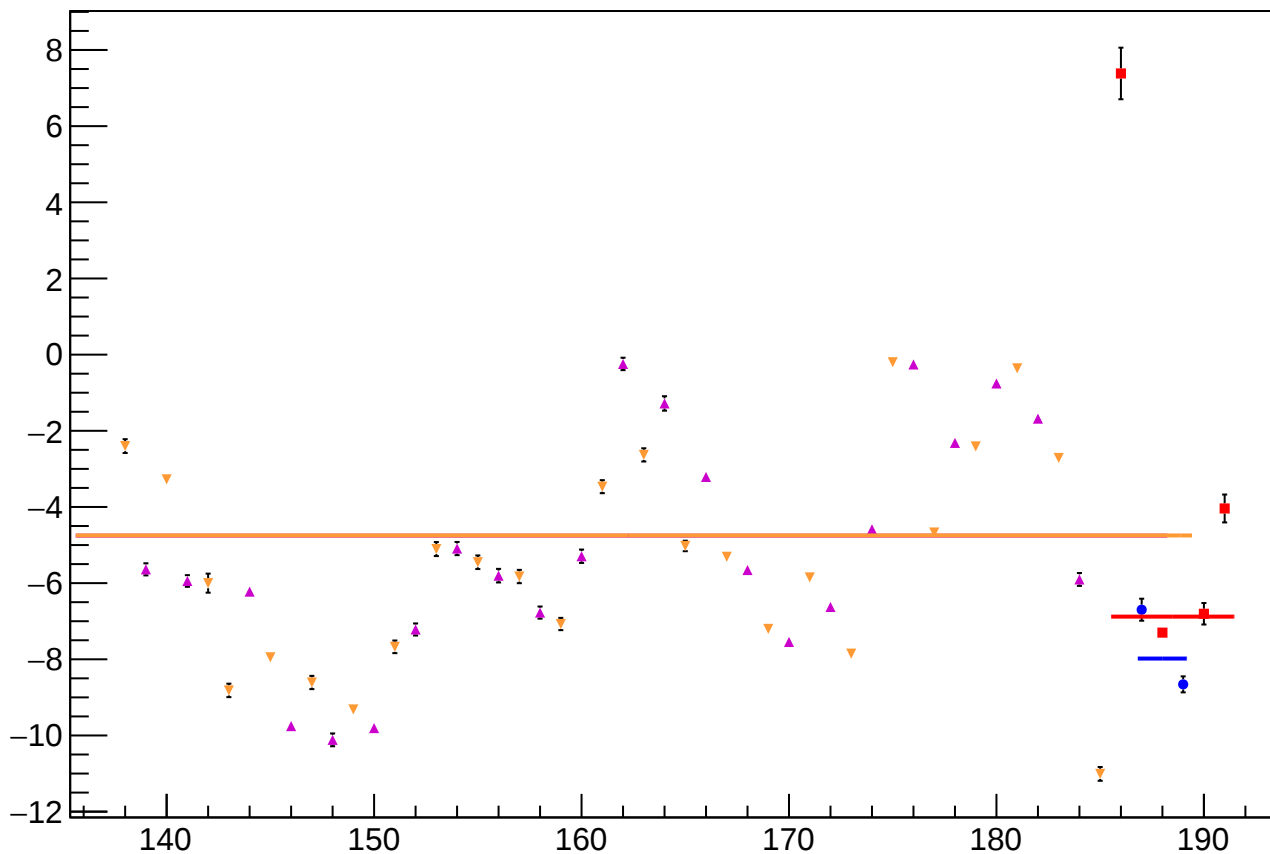
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



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: 6.735 ± 0.135 $\chi^2/\text{NDF}: 3589.1/3$
 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: -0.195 ± 0.015 $\chi^2/\text{NDF}: 33168.0/53$
 - sign -0.105 ± 0.021 $\chi^2/\text{NDF}: 19534.7/26$

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: -6.879 ± 0.082 χ^2/NDF : 526.1/3

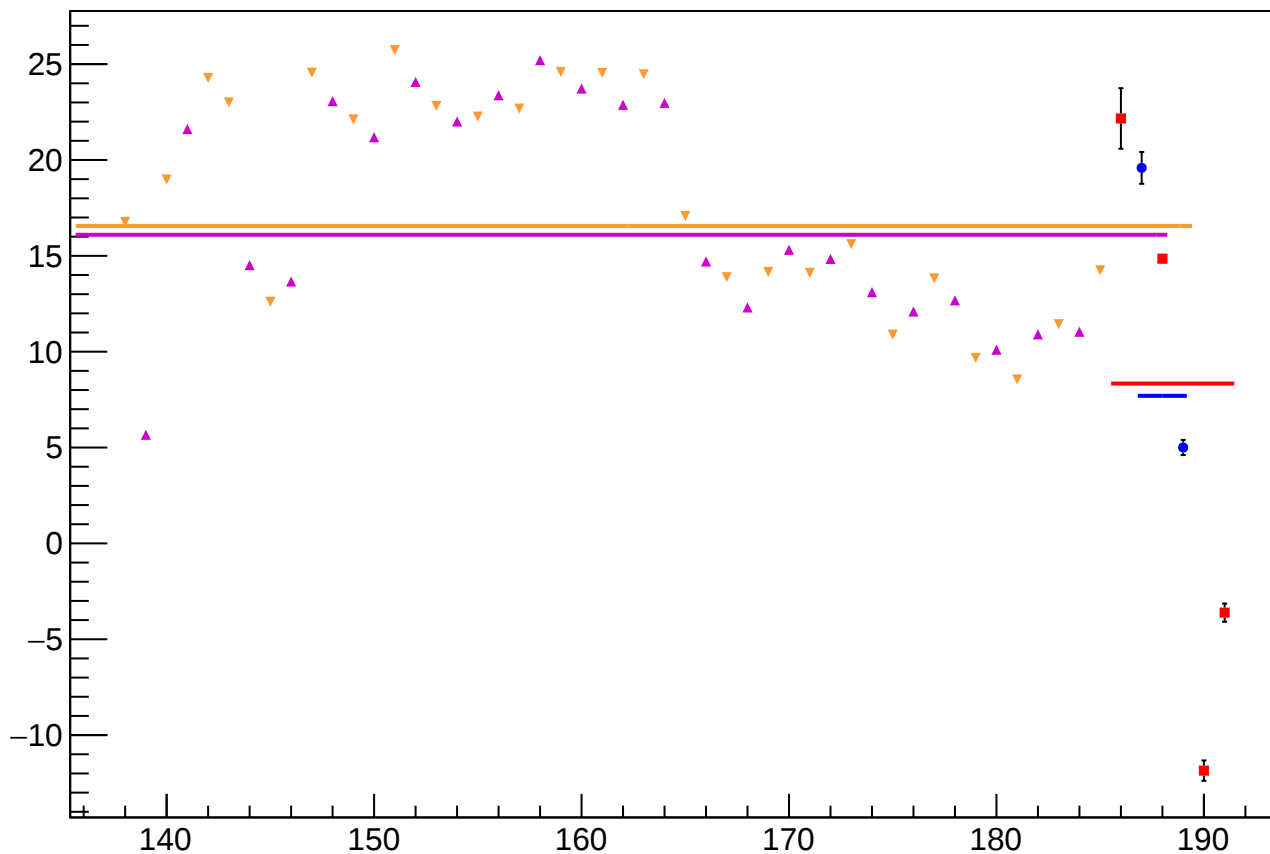
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.821 ± 0.026 χ^2/NDF : 13672.8/26

All: -4.887 ± 0.018 χ^2/NDF : 28941.3/53

- sign -4.949 ± 0.025 χ^2/NDF : 15255.6/26

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 7.698 $\pm$ 0.357 χ^2/NDF : 251.0/1

Left Out: 16.563 $\pm$ 0.023 χ^2/NDF : 53858.5/24

Right Out: 8.338 $\pm$ 0.194 χ^2/NDF : 2929.1/3

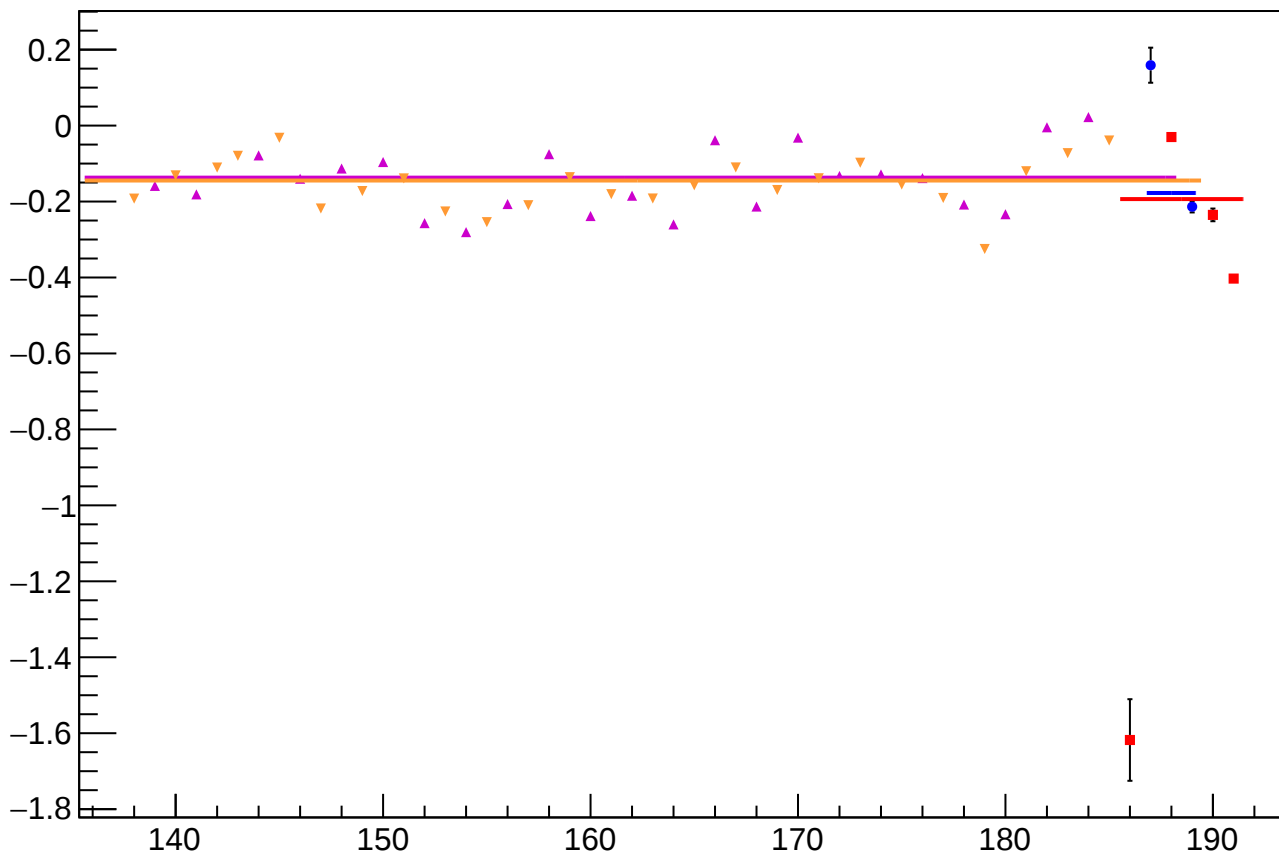
Left In: 16.098 $\pm$ 0.024 χ^2/NDF : 42345.7/22

+ sign 16.526 $\pm$ 0.023 χ^2/NDF : 54722.9/26

All: 16.259 $\pm$ 0.016 χ^2/NDF : 101849.5/53

- sign 15.985 $\pm$ 0.023 χ^2/NDF : 46856.3/26

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: -0.194 ± 0.007 χ^2/NDF : 686.0/3

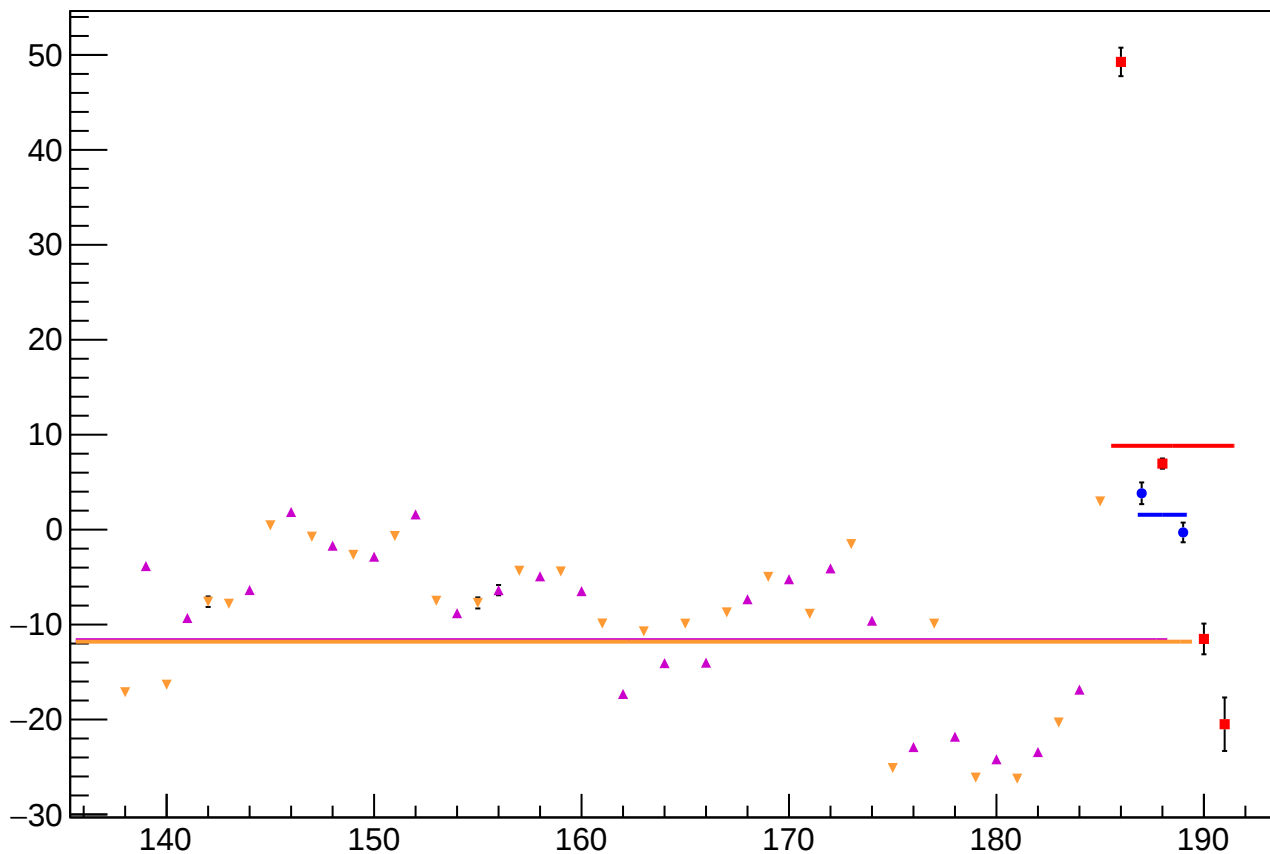
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.145 ± 0.001 χ^2/NDF : 3833.6/26

All: -0.142 ± 0.001 χ^2/NDF : 9990.0/53

- sign -0.138 ± 0.001 χ^2/NDF : 6137.1/26

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 1.566+/-0.768 χ^2/NDF : 7.1/1

Left Out: -11.801+/-0.070 χ^2/NDF : 17308.2/24

Right Out: 8.831+/-0.476 χ^2/NDF : 1005.7/3

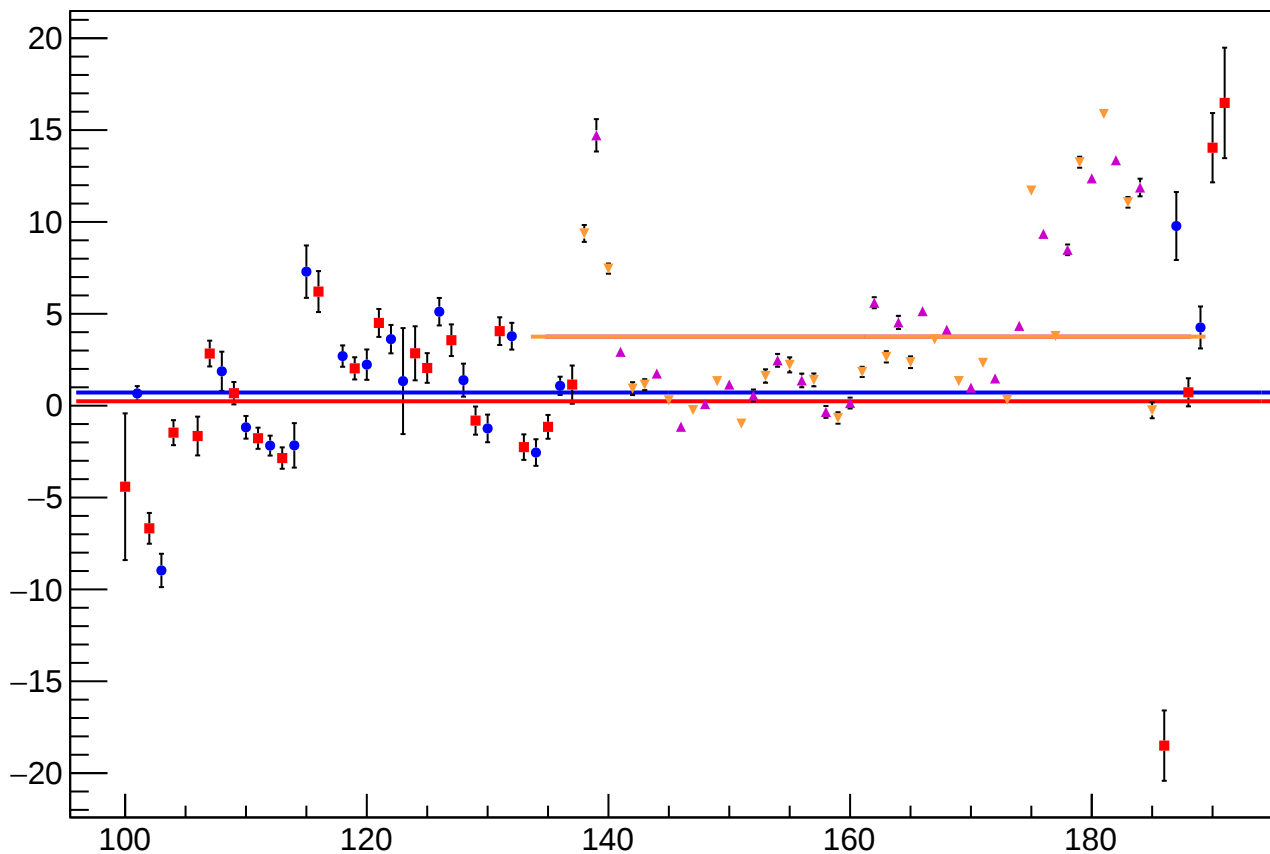
Left In: -11.642+/-0.072 χ^2/NDF : 14121.2/22

+ sign -11.690+/-0.070 χ^2/NDF : 17615.9/26

All: -11.442+/-0.050 χ^2/NDF : 34580.8/53

- sign -11.189+/-0.071 χ^2/NDF : 16939.5/26

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.717 ± 0.168 $\chi^2/\text{NDF}: 323.1/18$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 0.239 ± 0.169 $\chi^2/\text{NDF}: 450.3/22$

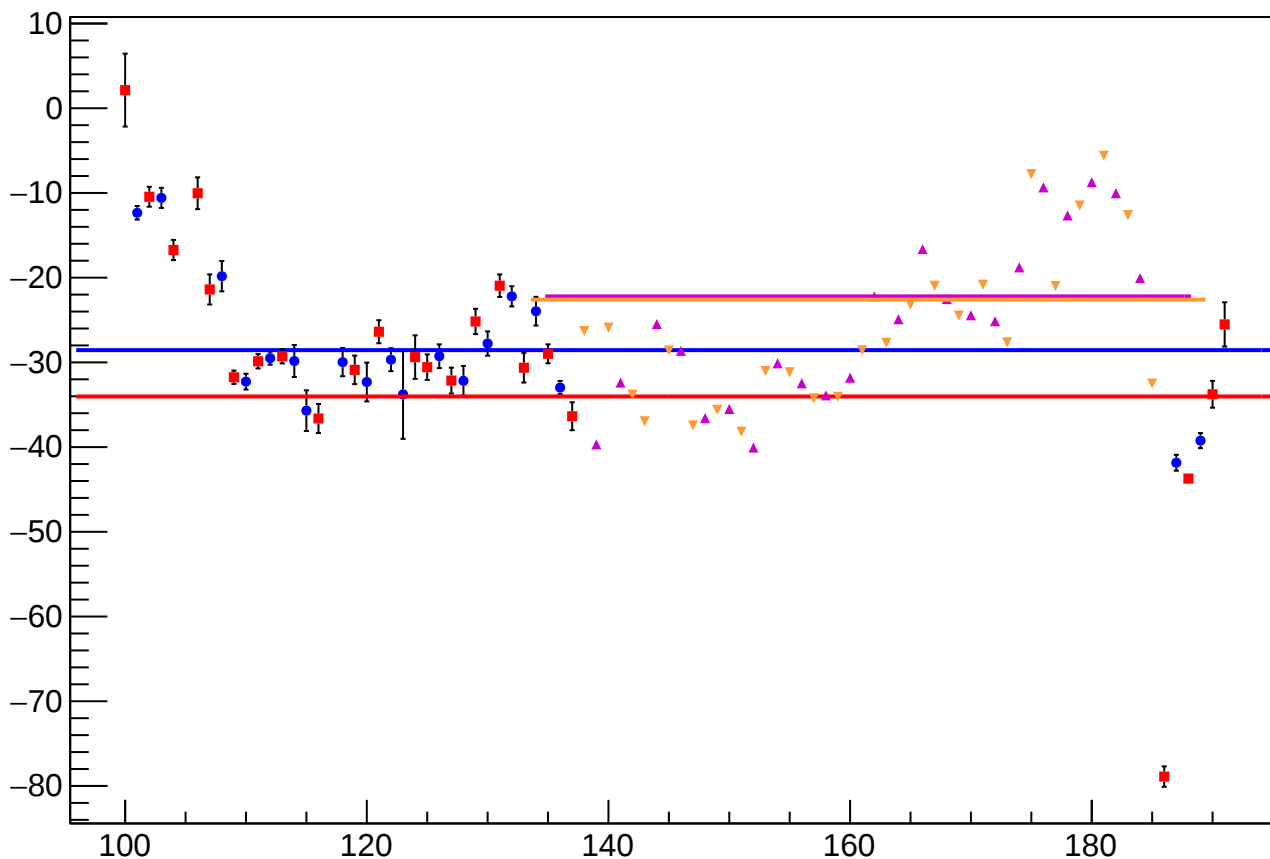
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.457 ± 0.053 $\chi^2/\text{NDF}: 8069.4/43$

All: 3.430 ± 0.038 $\chi^2/\text{NDF}: 14539.9/89$

- sign 3.401 ± 0.054 $\chi^2/\text{NDF}: 6470.0/45$

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: -34.025 ± 0.237 χ^2/NDF : 3061.9/22

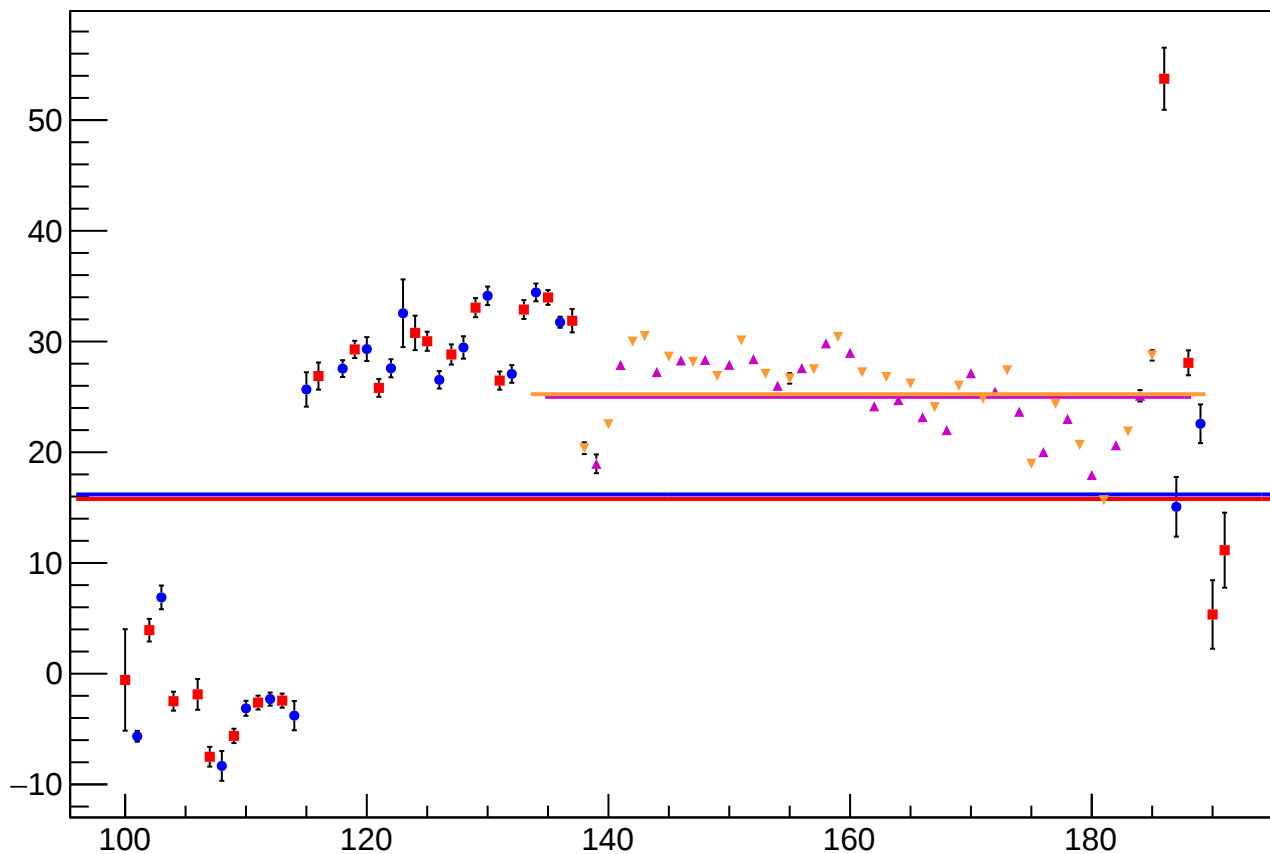
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -22.972 ± 0.068 χ^2/NDF : 21489.3/43

All: -23.085 ± 0.048 χ^2/NDF : 44462.7/89

- sign -23.197 ± 0.069 χ^2/NDF : 22967.9/45

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.187 ± 0.191 $\chi^2/\text{NDF}: 7555.8/18$

Left Out: 25.242 ± 0.063 $\chi^2/\text{NDF}: 3786.5/24$

Right Out: 15.776 ± 0.193 $\chi^2/\text{NDF}: 7583.8/22$

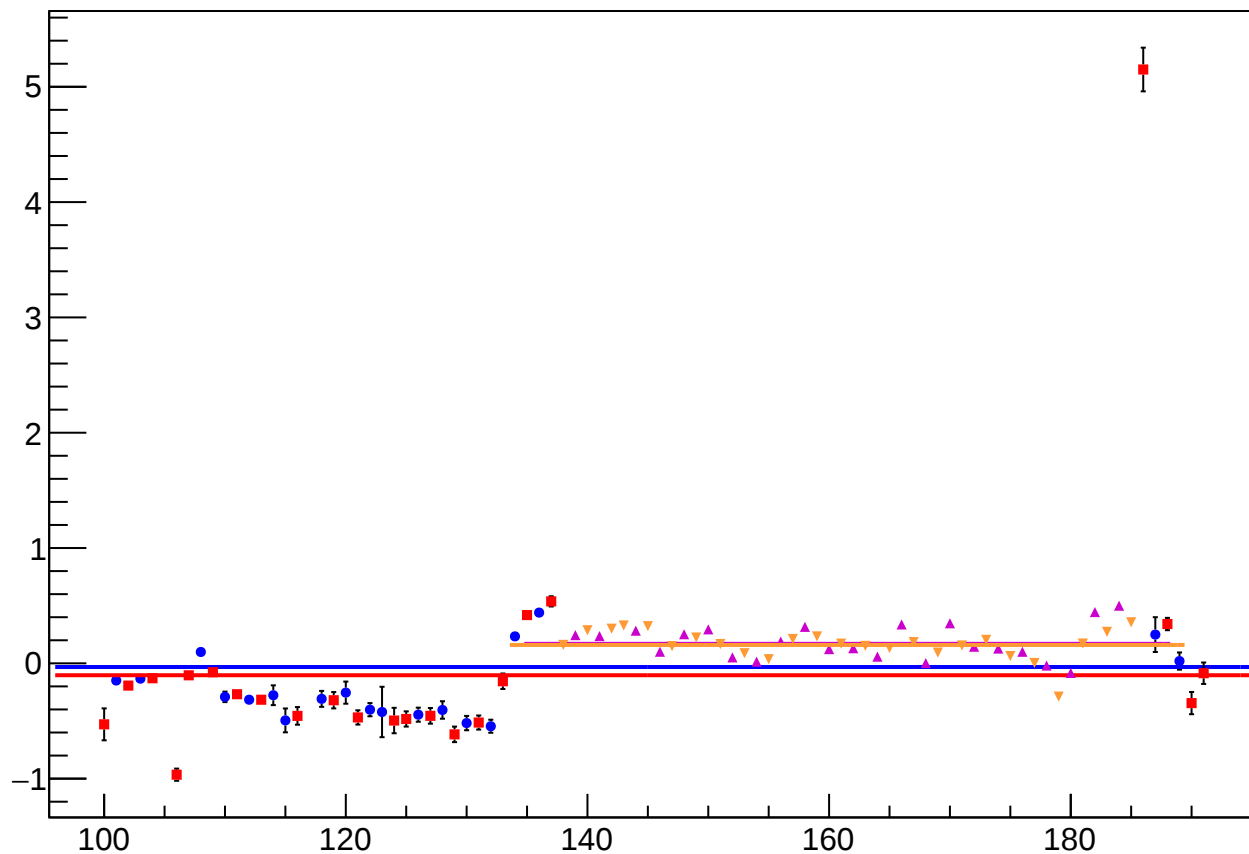
Left In: 25.009 ± 0.064 $\chi^2/\text{NDF}: 2722.0/22$

+ sign 24.361 ± 0.059 $\chi^2/\text{NDF}: 13376.1/43$

All: 24.233 ± 0.042 $\chi^2/\text{NDF}: 25749.6/89$

- sign 24.100 ± 0.061 $\chi^2/\text{NDF}: 12364.0/45$

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 : 2013.0/22

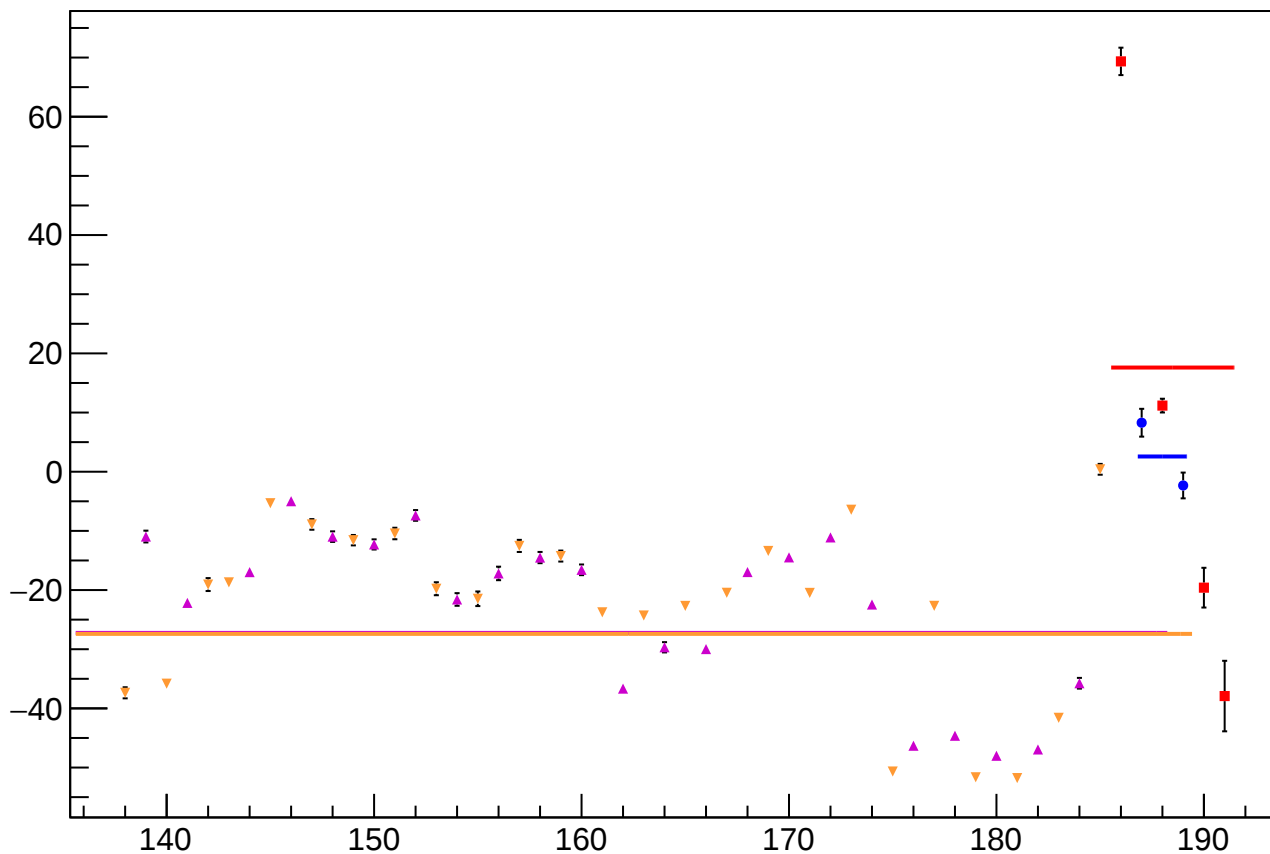
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.145 ± 0.003 χ^2/NDF : 3204.5/43

All: 0.147 ± 0.002 χ^2/NDF : 8311.3/89

- sign 0.148 ± 0.003 χ^2/NDF : 5106.5/45

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: 2.575 $\pm$ 1.598 χ^2 /NDF: 11.0/1

Left Out: -27.408 $\pm$ 0.137 χ^2 /NDF:14850.5/24

Right Out: 17.607 $\pm$ 0.978 χ^2 /NDF: 738.8/3

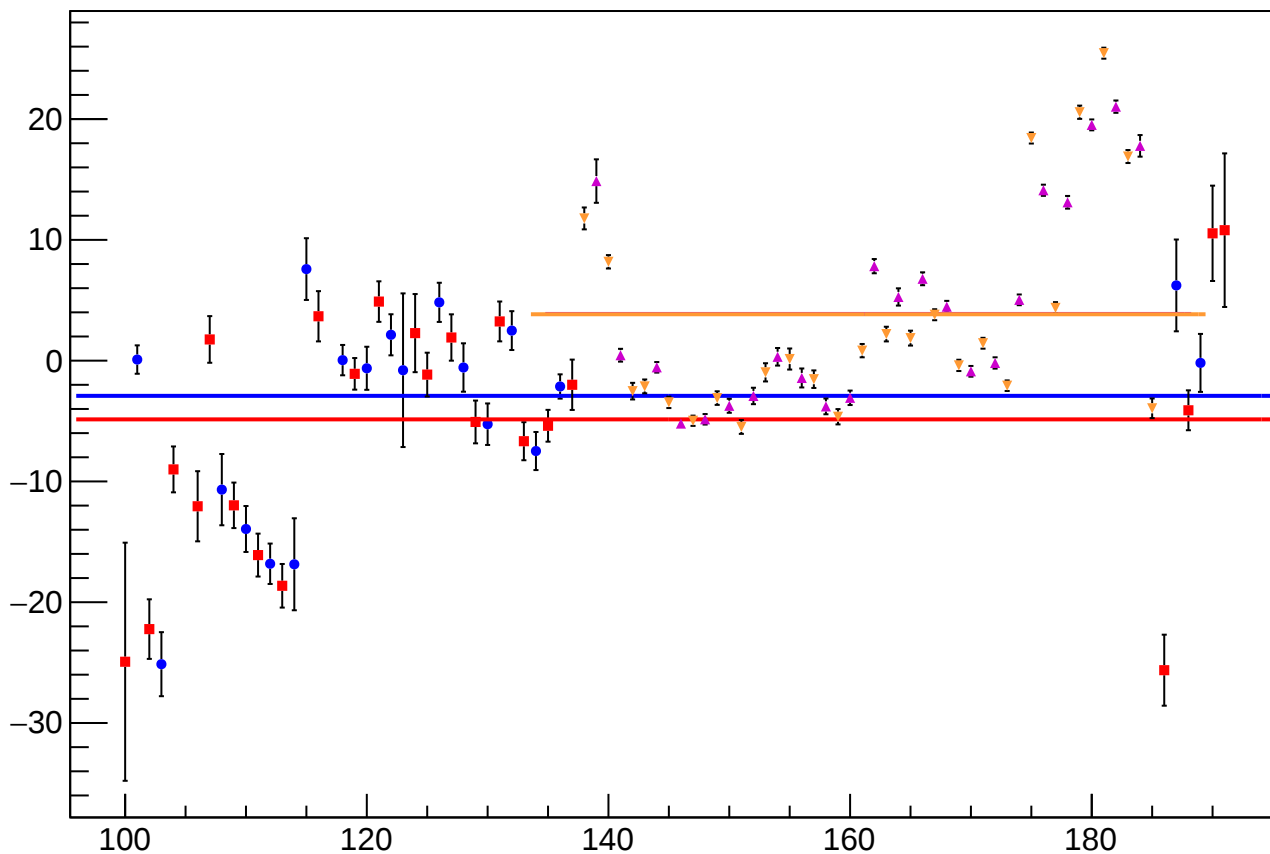
Left In: -27.243 $\pm$ 0.139 χ^2 /NDF:11305.2/22

+ sign -27.189 $\pm$ 0.136 χ^2 /NDF: 15211.1/26

All: -26.775 $\pm$ 0.097 χ^2 /NDF: 29333.9/53

- sign -26.351 $\pm$ 0.138 χ^2 /NDF: 14104.1/26

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.403 χ^2/NDF : 286.1/18

Left Out: 3.841 ± 0.109 χ^2/NDF : 6939.2/24

Right Out: -4.862 ± 0.406 χ^2/NDF : 368.3/22

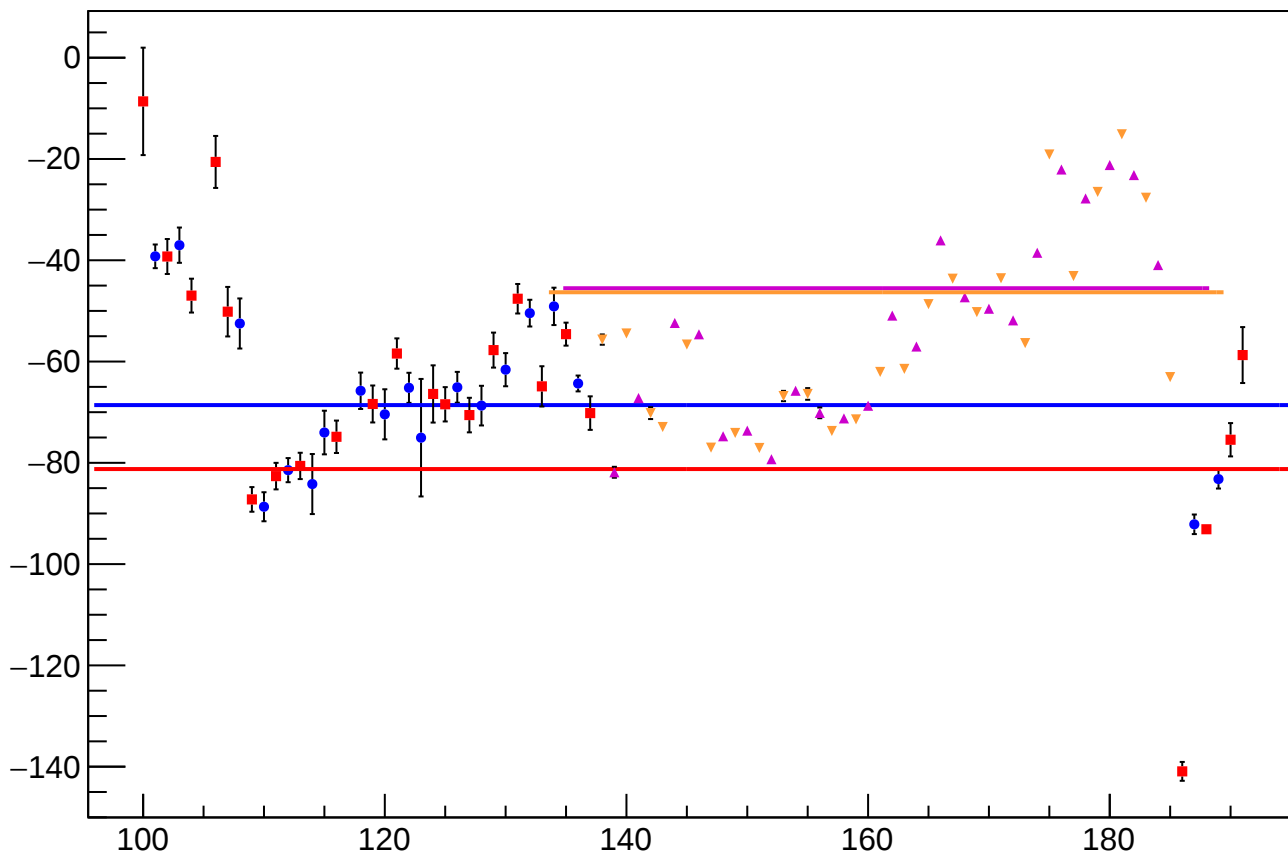
Left In: 3.866 ± 0.111 χ^2/NDF : 5424.0/22

+ sign 3.380 ± 0.105 χ^2/NDF : 7486.6/43

All: 3.320 ± 0.075 χ^2/NDF : 13708.5/89

- sign 3.258 ± 0.107 χ^2/NDF : 6221.3/45

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: -81.230±0.549 χ^2/NDF : 2144.4/22

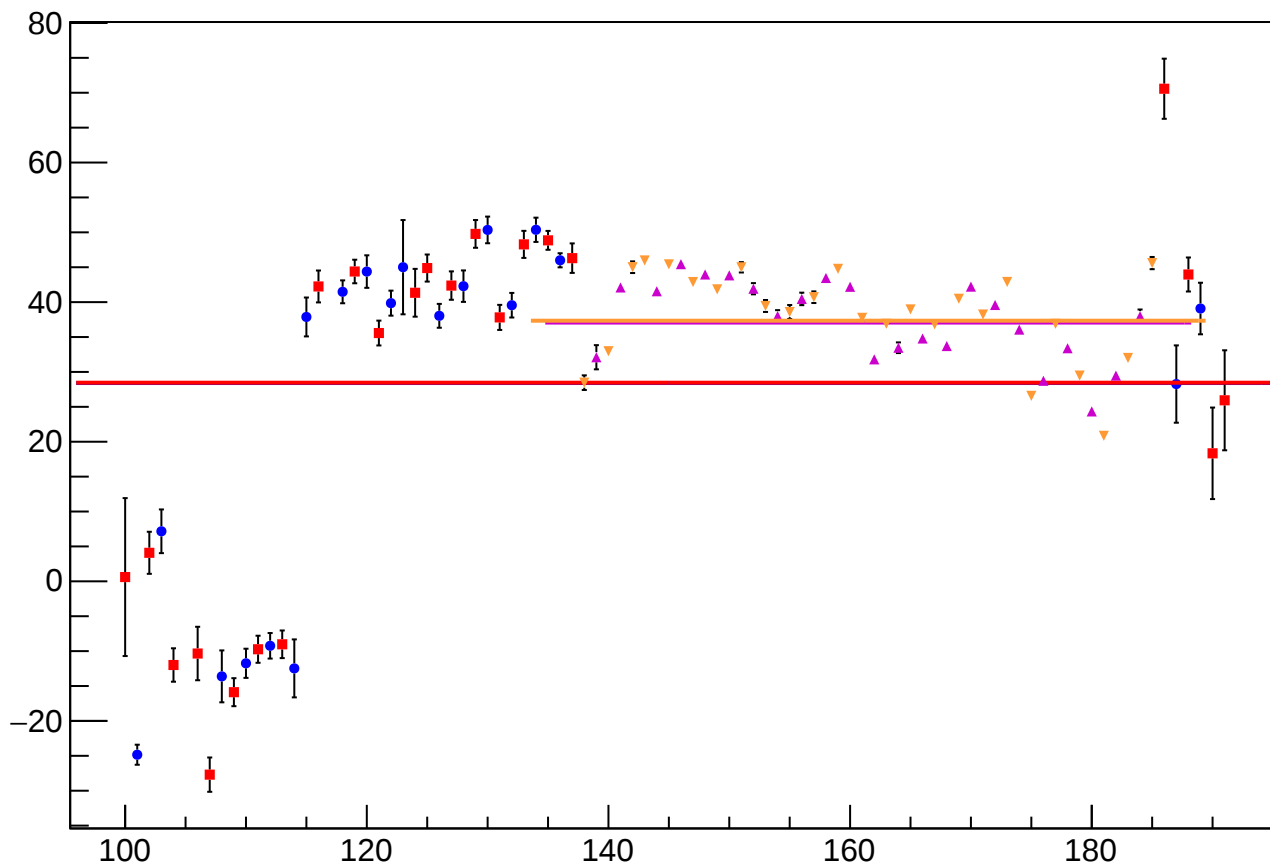
Left In: -45.522±0.140 χ^2/NDF : 17525.4/22

+ sign -47.280±0.135 χ^2/NDF : 21898.4/43

All: -47.486±0.096 χ^2/NDF : 45544.1/89

- sign -47.694±0.135 χ^2/NDF : 23641.0/45

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: 28.456 $\pm$ 0.466 χ^2 /NDF: 3174.9/22

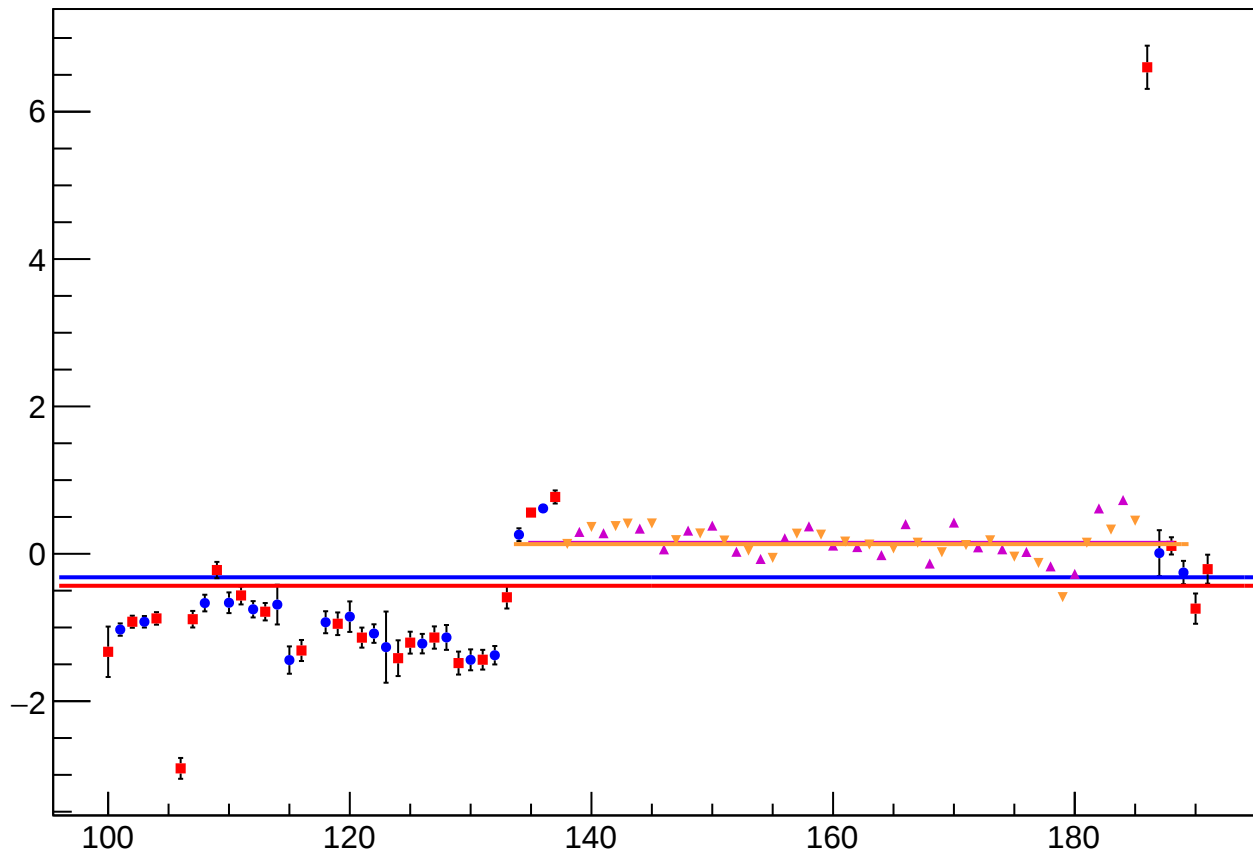
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.735 $\pm$ 0.119 χ^2 /NDF: 6826.2/43

All: 36.616 $\pm$ 0.085 χ^2 /NDF: 12719.8/89

- sign 36.493 $\pm$ 0.121 χ^2 /NDF: 5891.6/45

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.319 ± 0.025 $\chi^2/\text{NDF}: 1011.4/18$

Left Out: 0.131 ± 0.006 $\chi^2/\text{NDF}: 1426.3/24$

Right Out: -0.434 ± 0.025 $\chi^2/\text{NDF}: 1769.7/22$

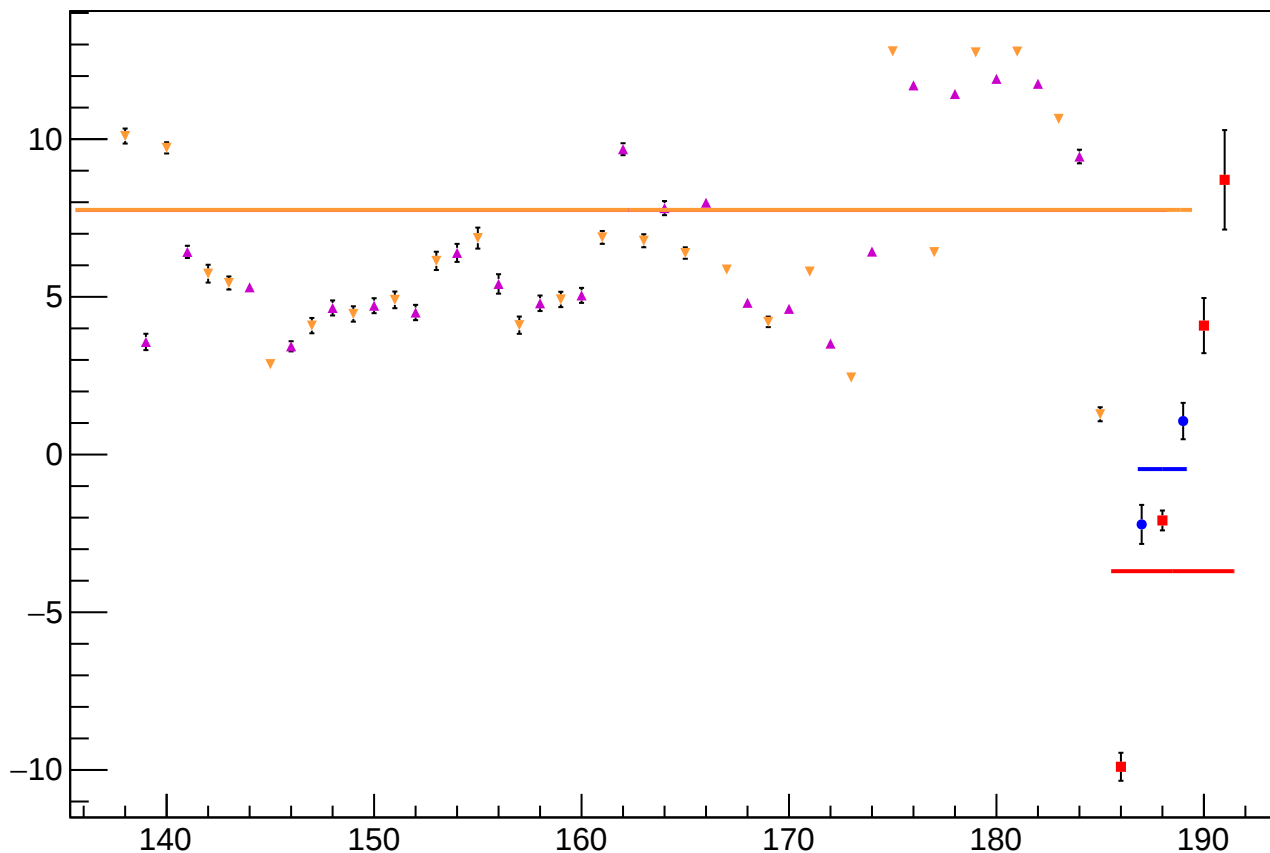
Left In: 0.149 ± 0.006 $\chi^2/\text{NDF}: 1803.6/22$

+ sign 0.109 ± 0.005 $\chi^2/\text{NDF}: 2755.8/43$

All: 0.114 ± 0.004 $\chi^2/\text{NDF}: 6858.5/89$

- sign 0.119 ± 0.006 $\chi^2/\text{NDF}: 4101.0/45$

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: -3.698 ± 0.243 $\chi^2/\text{NDF}: 362.2/3$

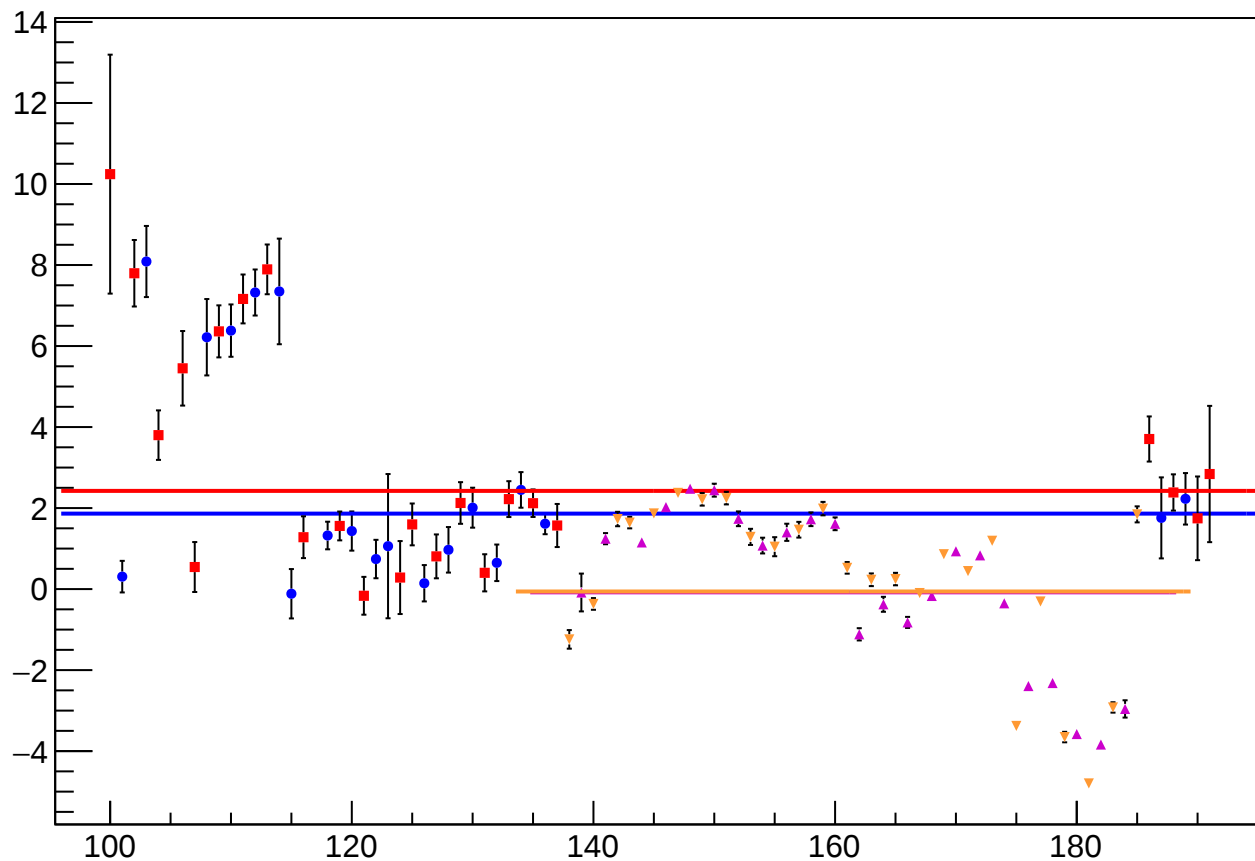
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.703 ± 0.034 $\chi^2/\text{NDF}: 12120.4/26$

All: 7.613 ± 0.024 $\chi^2/\text{NDF}: 23010.1/53$

- sign 7.520 ± 0.035 $\chi^2/\text{NDF}: 10875.6/26$

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: 2.424 ± 0.115 χ^2/NDF : 341.5/22

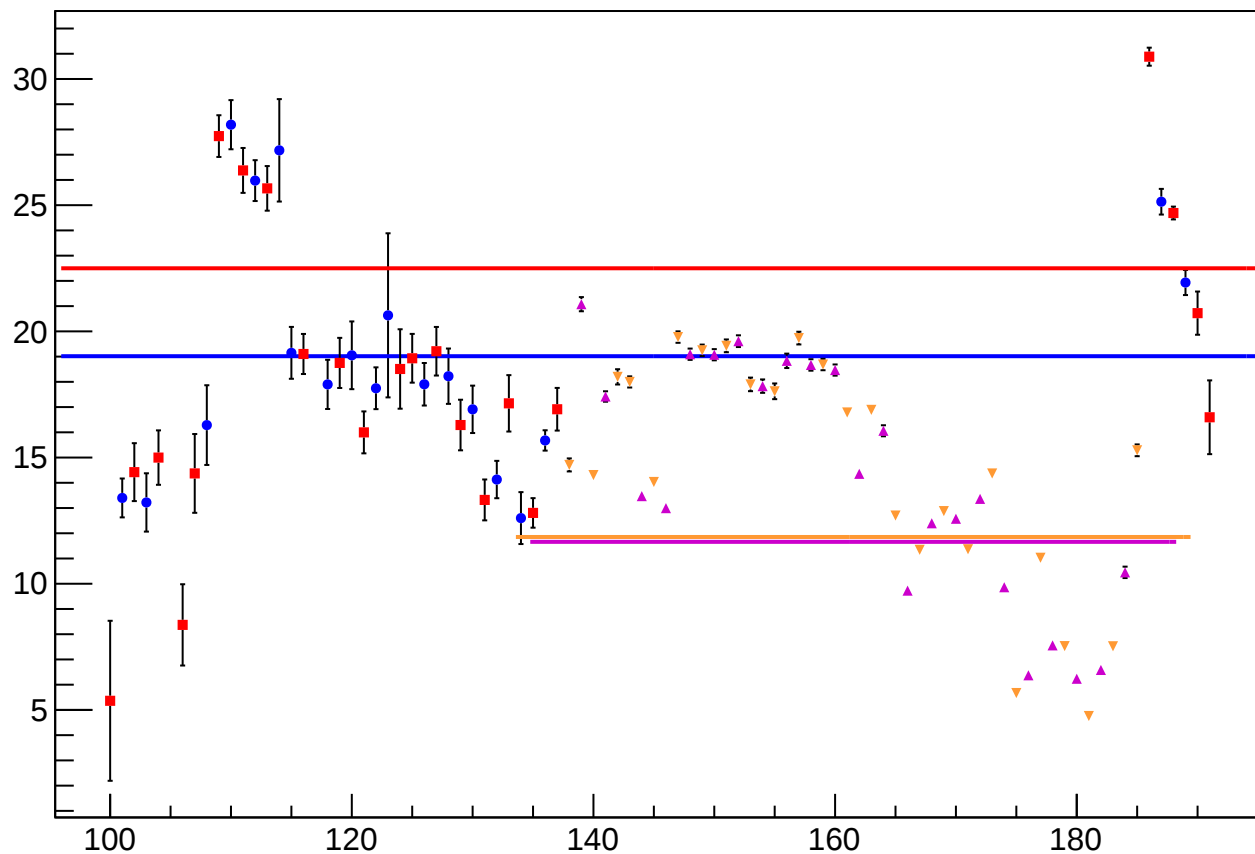
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.047 ± 0.027 χ^2/NDF : 6628.2/43

All: 0.055 ± 0.019 χ^2/NDF : 12398.1/89

- sign 0.063 ± 0.027 χ^2/NDF : 5769.7/45

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.016 $\pm$ 0.183 χ^2 /NDF: 601.8/18

Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24

Right Out: 22.499 $\pm$ 0.148 χ^2 /NDF: 1583.1/22

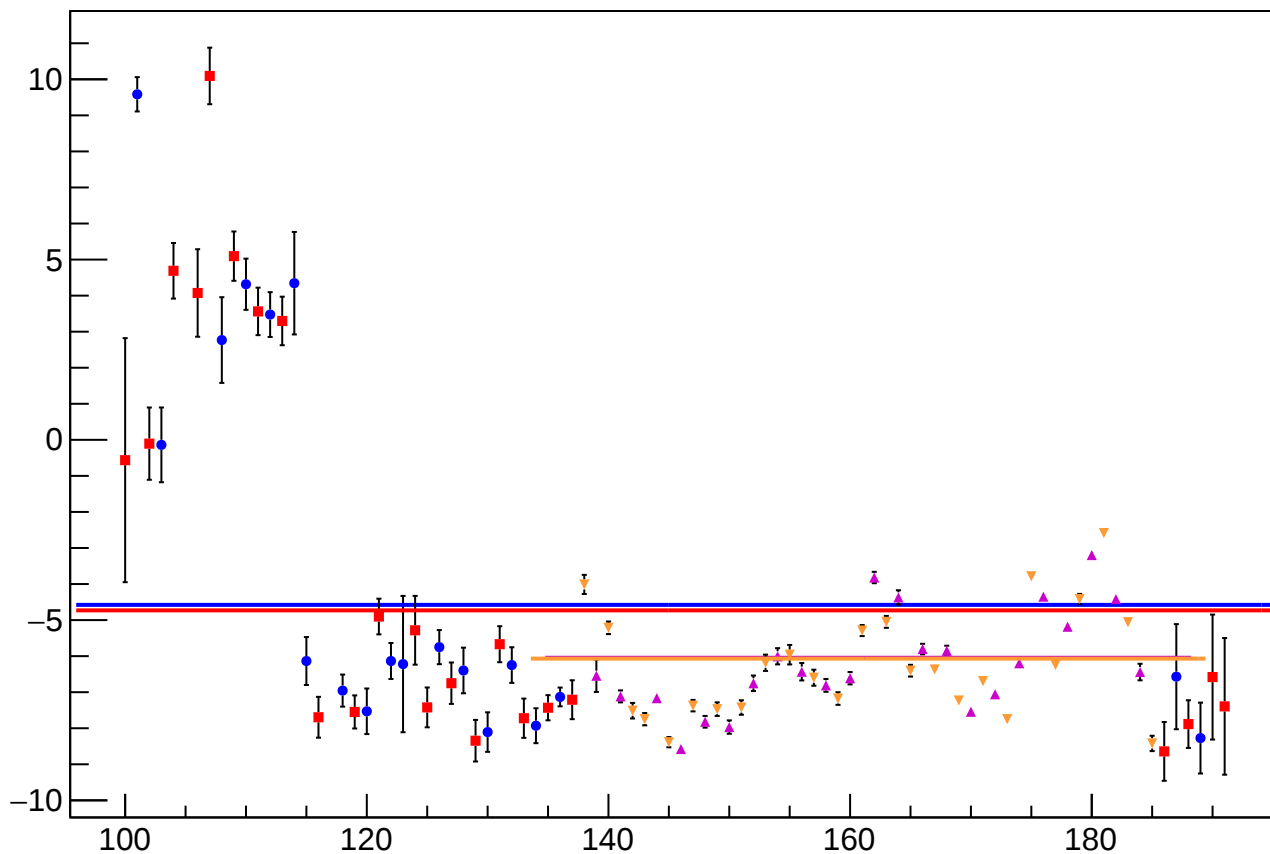
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.102 $\pm$ 0.034 χ^2 /NDF: 21236.6/43

All: 12.173 $\pm$ 0.024 χ^2 /NDF: 44647.9/89

- sign 12.244 $\pm$ 0.034 χ^2 /NDF: 23402.7/45

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: -4.730 ± 0.132 χ^2/NDF : 1393.3/22

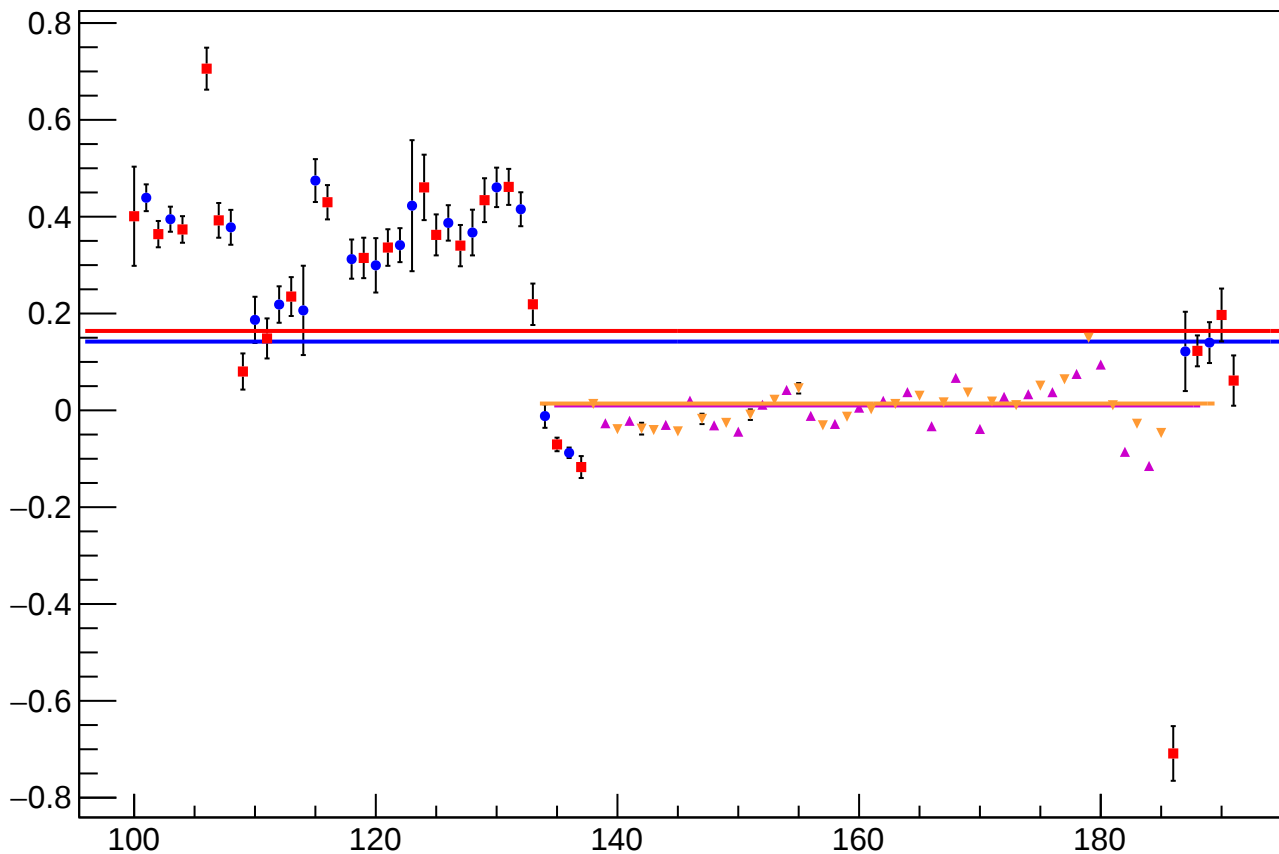
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.986 ± 0.030 χ^2/NDF : 4397.2/43

All: -5.980 ± 0.022 χ^2/NDF : 8178.3/89

- sign -5.973 ± 0.031 χ^2/NDF : 3780.9/45

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: 0.164 ± 0.007 χ^2/NDF : 1250.2/22

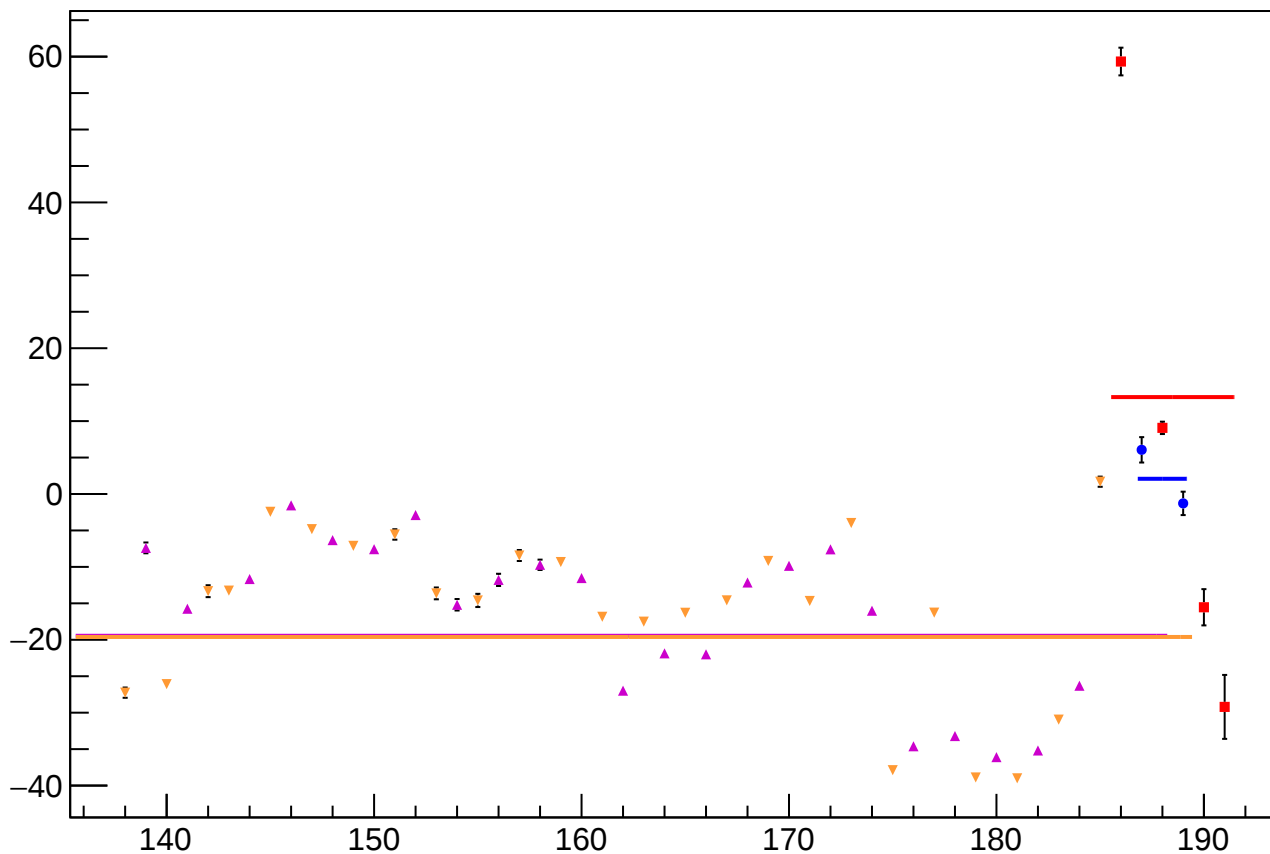
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.019 ± 0.001 χ^2/NDF : 2339.1/43

All: 0.018 ± 0.001 χ^2/NDF : 5266.1/89

- sign 0.016 ± 0.001 χ^2/NDF : 2925.0/45

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: 13.295+/-0.729 χ^2/NDF : 839.8/3

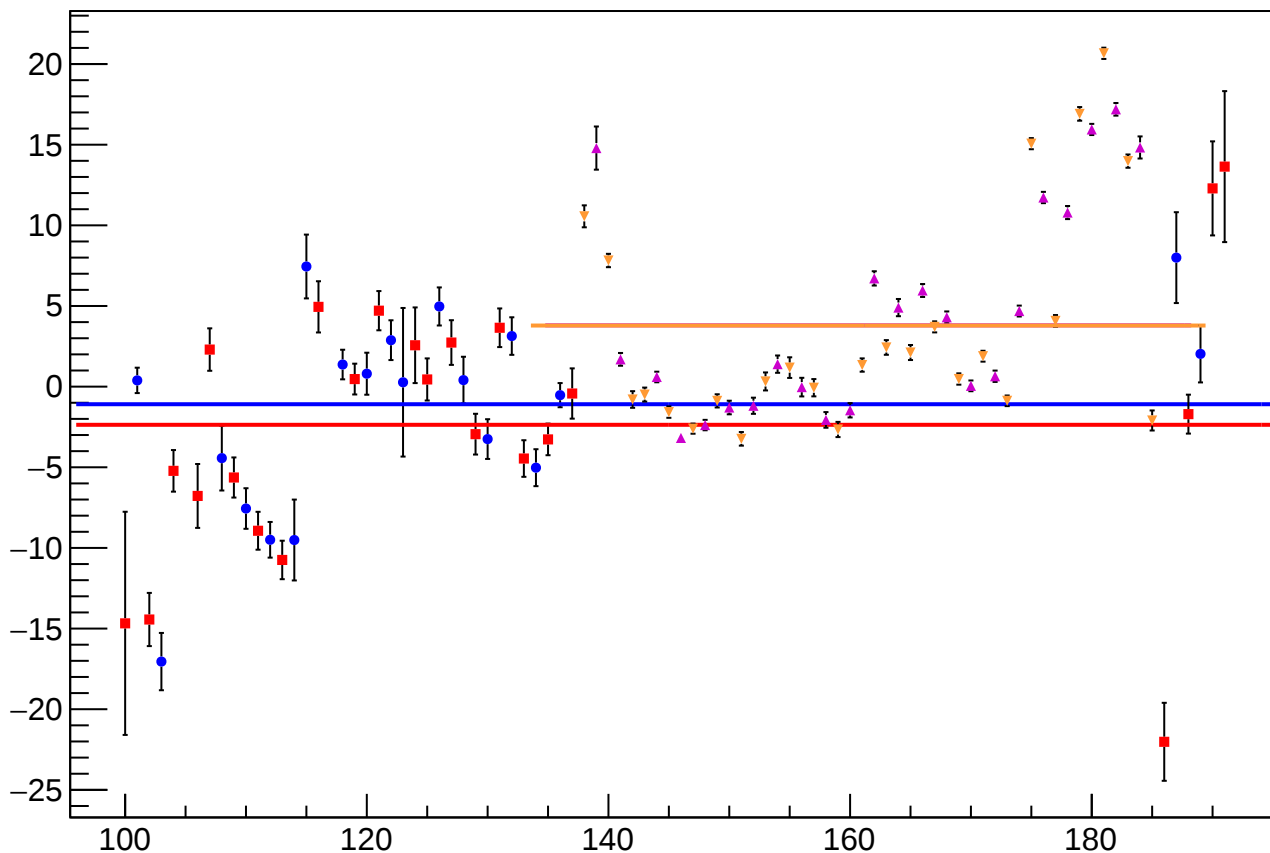
Left In: -19.450+/-0.105 χ^2/NDF :12283.1/22

+ sign -19.448+/-0.103 χ^2/NDF : 16106.3/26

All: -19.120+/-0.073 χ^2/NDF : 31225.8/53

- sign -18.784+/-0.104 χ^2/NDF : 15098.9/26

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: -2.366 ± 0.290 $\chi^2/\text{NDF}: 387.8/22$

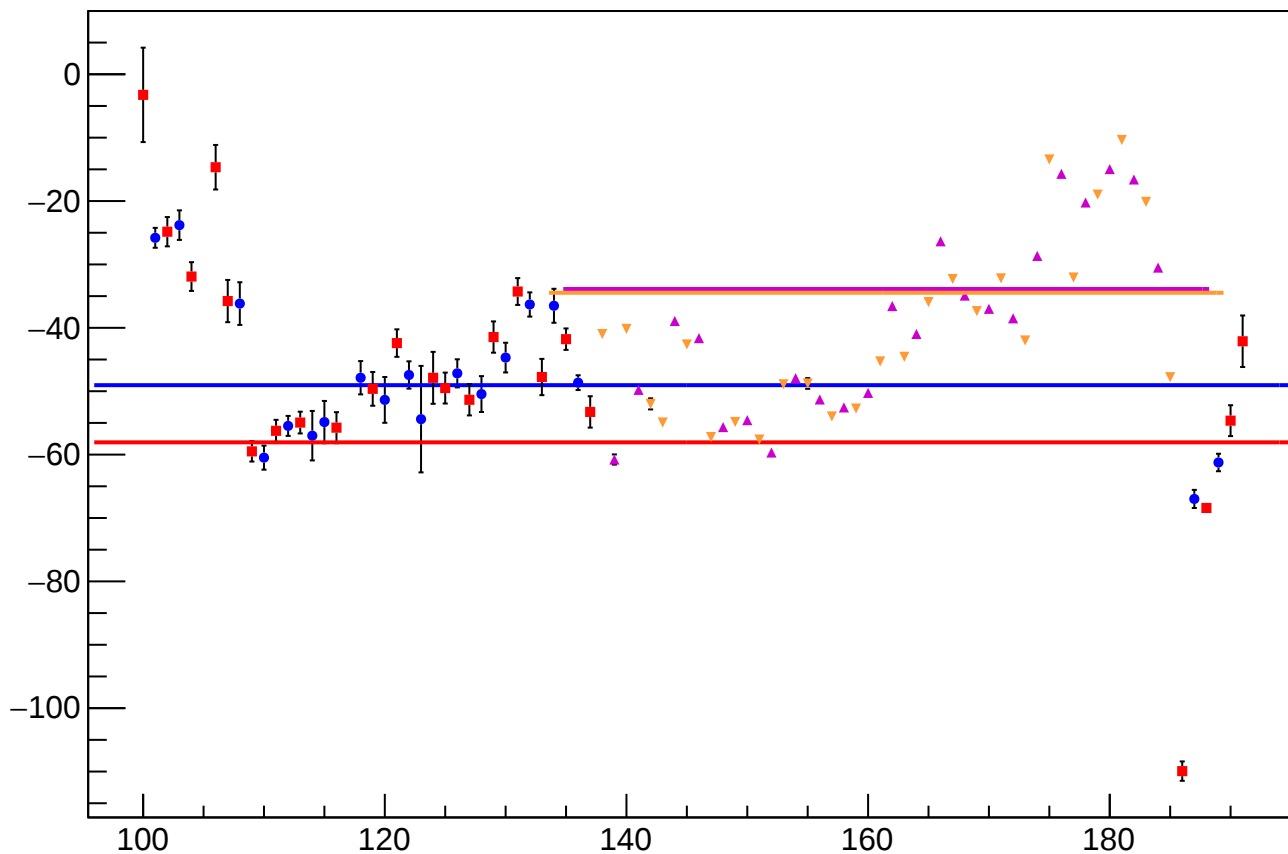
Left In: 3.799 ± 0.084 $\chi^2/\text{NDF}: 5517.0/22$

+ sign 3.420 ± 0.079 $\chi^2/\text{NDF}: 7707.4/43$

All: 3.373 ± 0.056 $\chi^2/\text{NDF}: 14031.5/89$

- sign 3.324 ± 0.080 $\chi^2/\text{NDF}: 6323.4/45$

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: -58.066 ± 0.397 χ^2/NDF : 2366.0/22

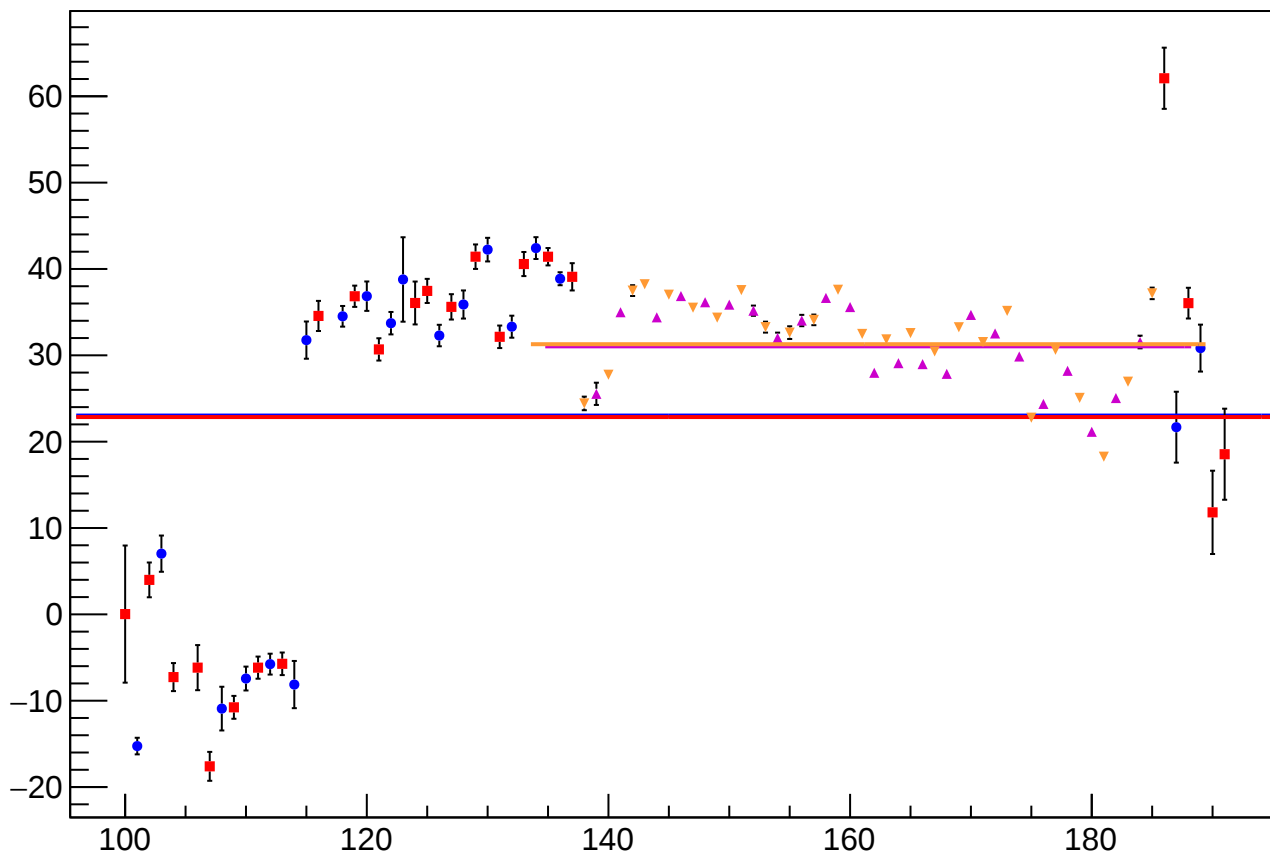
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.167 ± 0.101 χ^2/NDF : 21854.4/43

All: -35.317 ± 0.072 χ^2/NDF : 45340.3/89

- sign -35.468 ± 0.102 χ^2/NDF : 23481.6/45

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: 22.851+/-0.332 χ^2/NDF : 4218.6/22

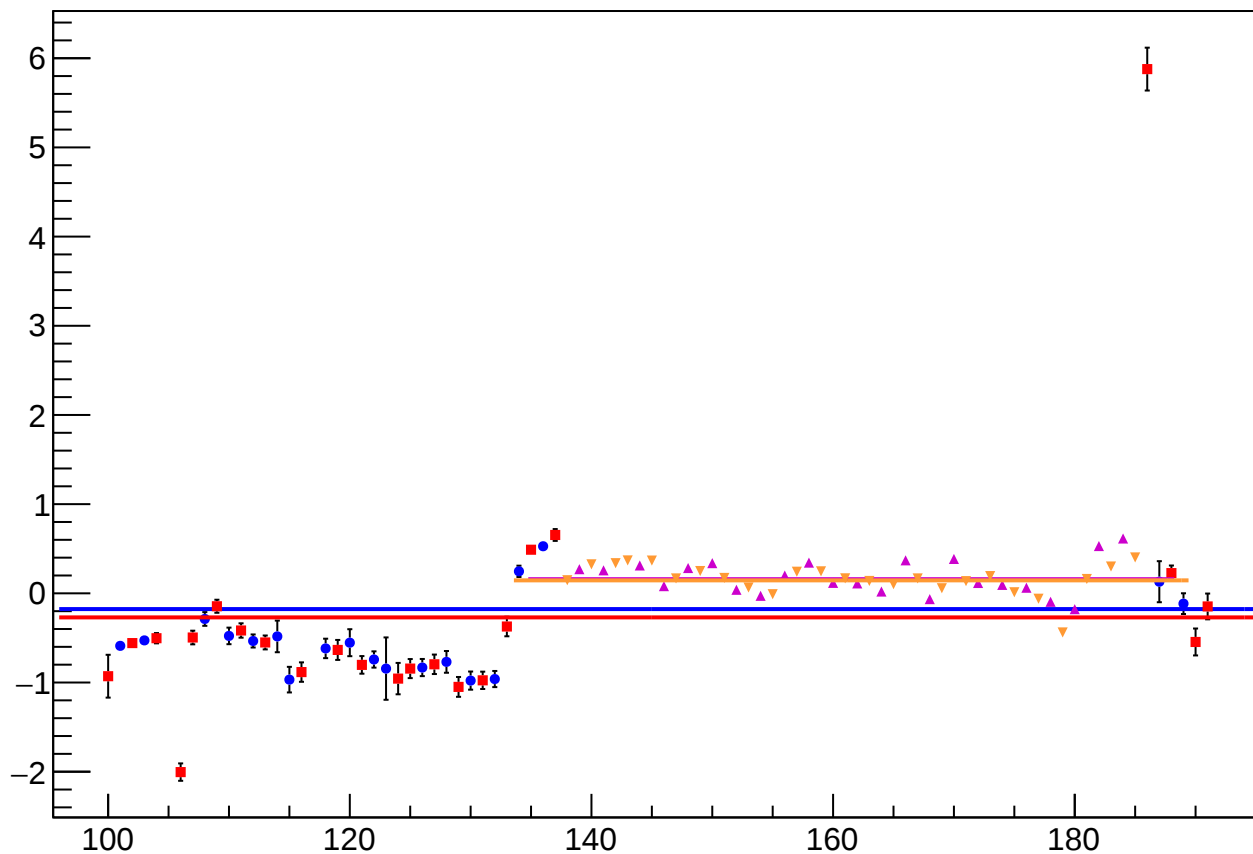
Left In: 31.039+/-0.094 χ^2/NDF : 2480.0/22

+ sign 30.669+/-0.089 χ^2/NDF : 8268.7/43

All: 30.551+/-0.063 χ^2/NDF : 15535.3/89

- sign 30.428+/-0.091 χ^2/NDF : 7262.9/45

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: -0.270 ± 0.018 χ^2/NDF : 1876.2/22

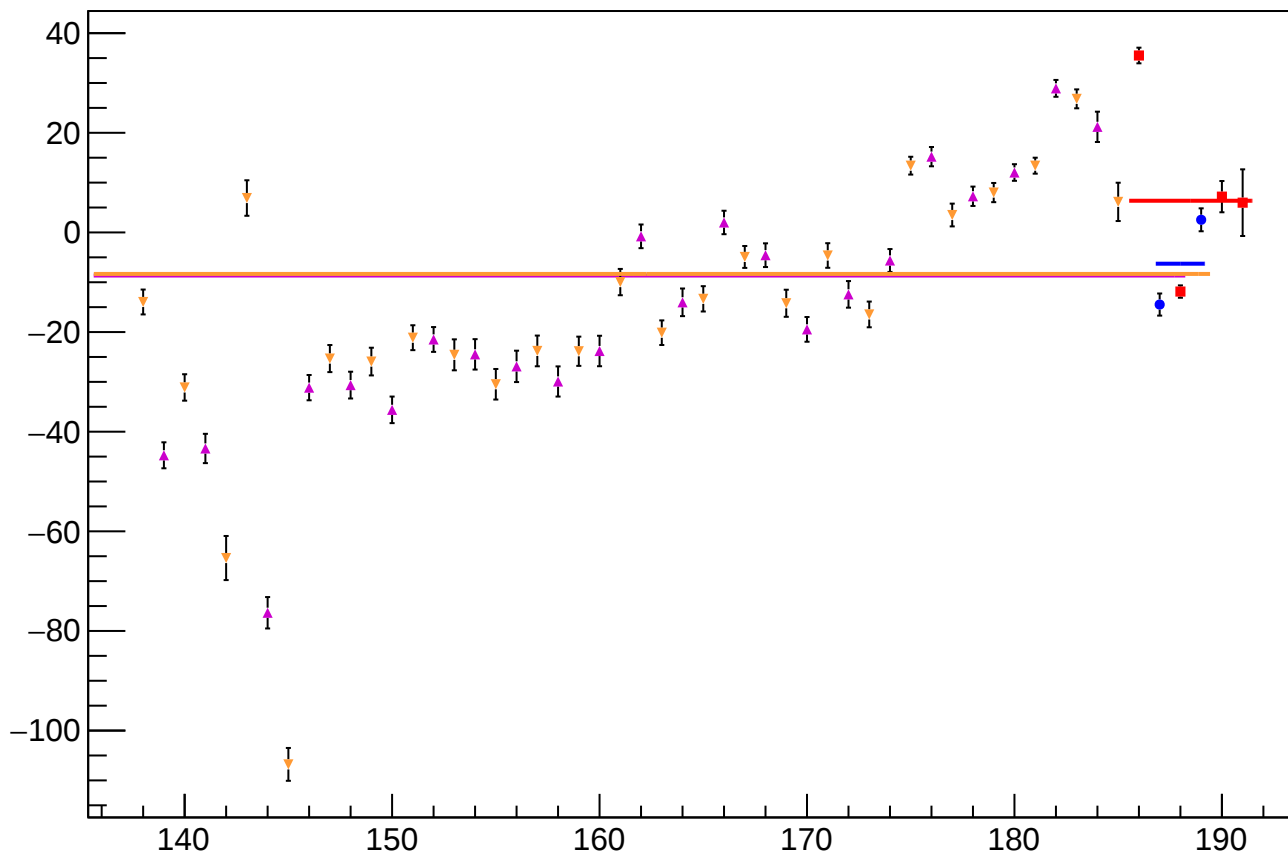
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.128 ± 0.004 χ^2/NDF : 2895.7/43

All: 0.131 ± 0.003 χ^2/NDF : 7347.9/89

- sign 0.134 ± 0.004 χ^2/NDF : 4450.9/45

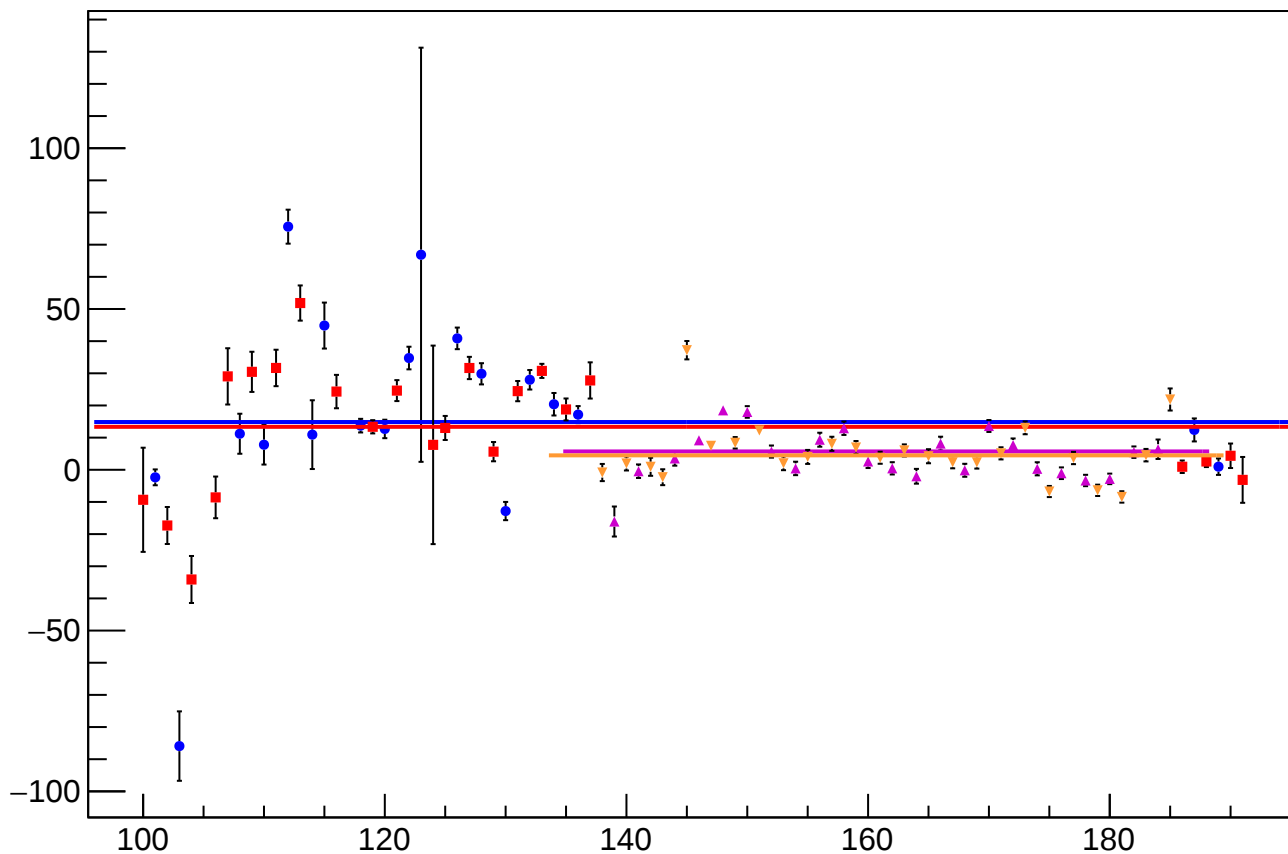
reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -6.277 ± 1.598 $\chi^2/\text{NDF}: 28.3/1$
 Left Out: -8.332 ± 0.500 $\chi^2/\text{NDF}: 2226.2/24$
 Right Out: 6.361 ± 0.920 $\chi^2/\text{NDF}: 561.0/3$
 Left In: -8.652 ± 0.507 $\chi^2/\text{NDF}: 2223.8/22$

+ sign -8.149 ± 0.477 $\chi^2/\text{NDF}: 2256.0/26$
 All: -6.546 ± 0.325 $\chi^2/\text{NDF}: 5266.1/53$
 - sign -5.154 ± 0.444 $\chi^2/\text{NDF}: 2988.9/26$

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: 13.361 ± 0.720 $\chi^2/\text{NDF}: 380.8/22$

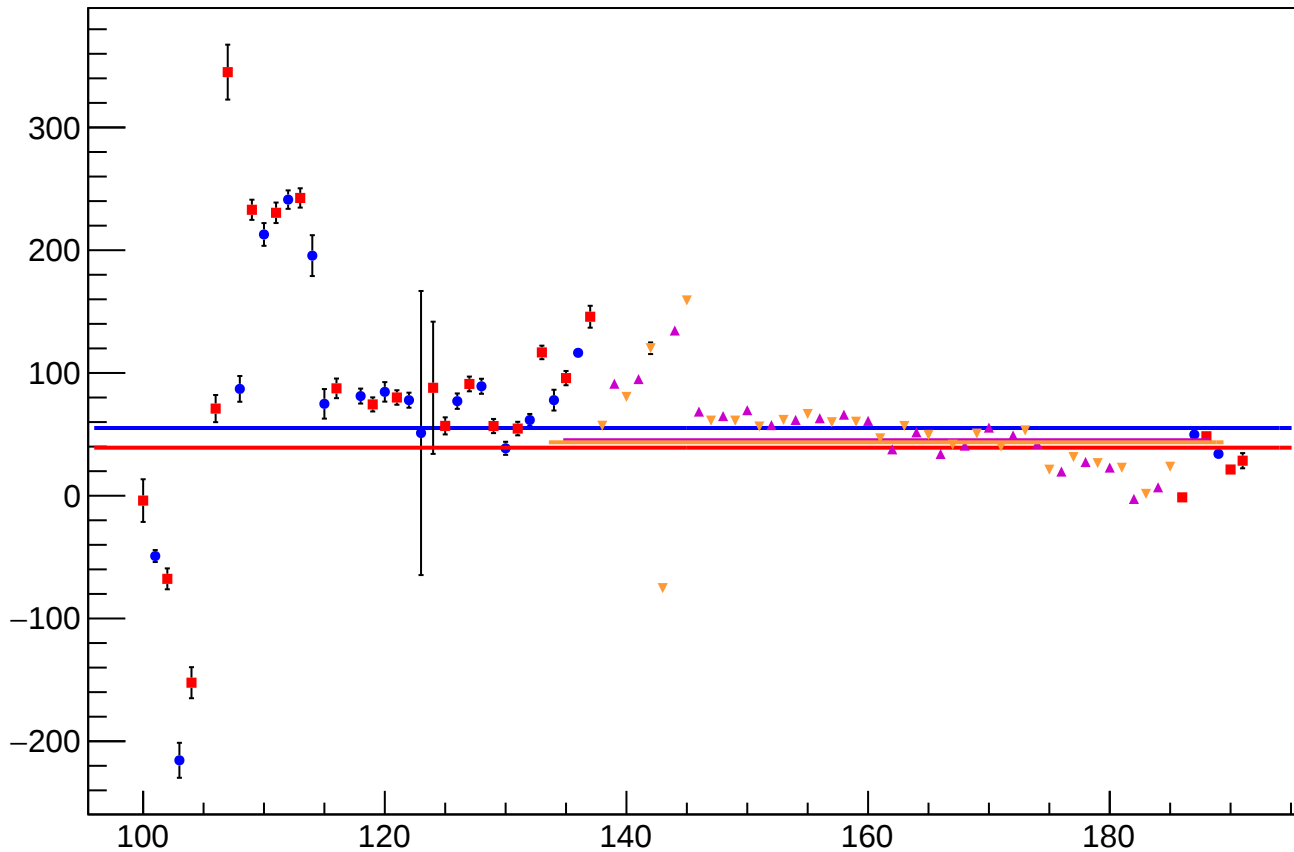
Left In: 5.705 ± 0.404 $\chi^2/\text{NDF}: 324.1/22$

+ sign 6.514 ± 0.352 $\chi^2/\text{NDF}: 1057.4/43$

All: 7.025 ± 0.249 $\chi^2/\text{NDF}: 1852.5/89$

- sign 7.539 ± 0.352 $\chi^2/\text{NDF}: 790.8/45$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 55.170 $\pm$ 1.035 χ^2 /NDF: 2263.1/18

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 39.132 $\pm$ 0.688 χ^2 /NDF: 4154.8/22

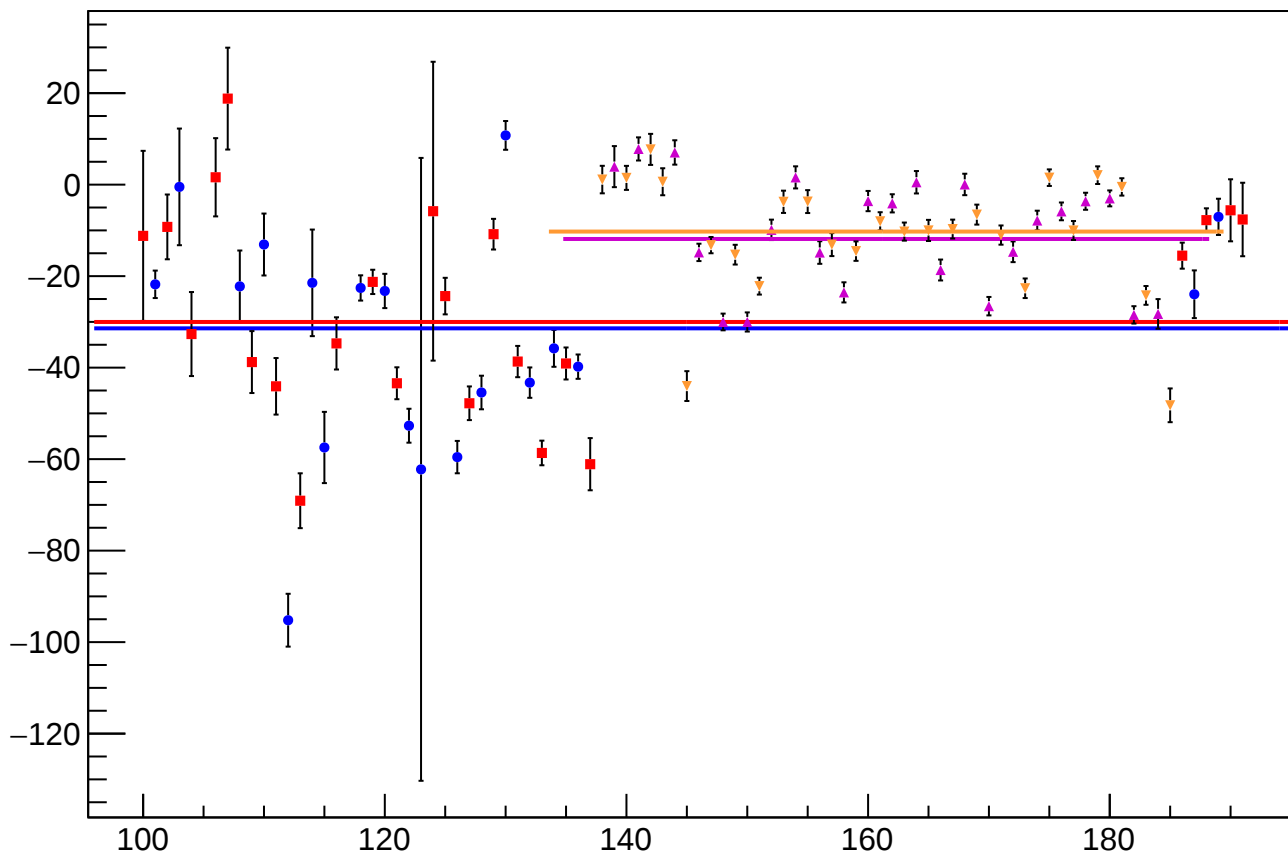
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 45.718 $\pm$ 0.449 χ^2 /NDF: 6196.6/43

All: 44.273 $\pm$ 0.301 χ^2 /NDF: 13469.5/89

- sign 43.088 $\pm$ 0.407 χ^2 /NDF: 7254.0/45

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: -30.017 $\pm$ 0.891 χ^2/NDF : 454.0/22

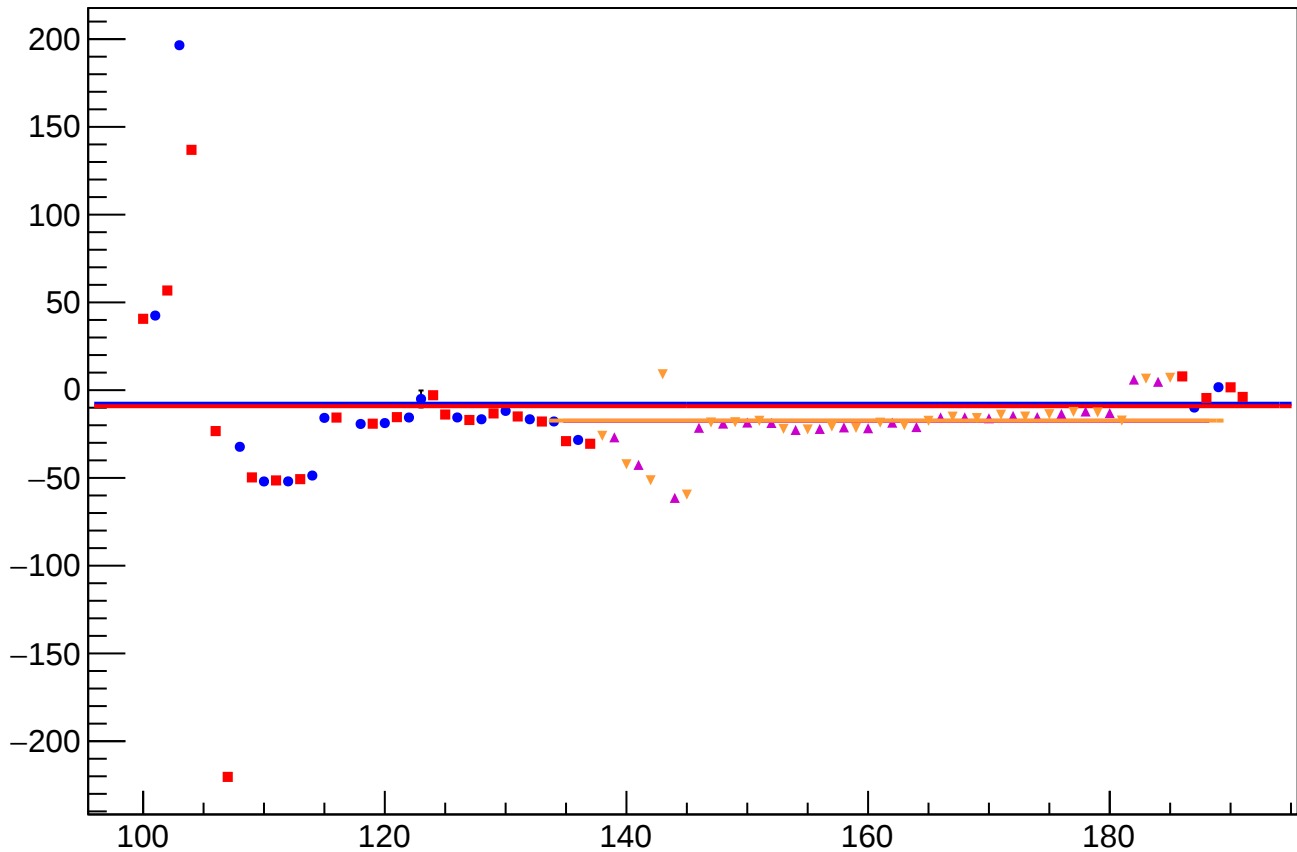
Left In: -11.877 $\pm$ 0.456 χ^2/NDF : 666.2/22

+ sign -14.126 $\pm$ 0.402 χ^2/NDF : 1495.8/43

All: -14.877 $\pm$ 0.285 χ^2/NDF : 2951.7/89

- sign -15.644 $\pm$ 0.406 χ^2/NDF : 1448.9/45

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: -9.148 ± 0.051 χ^2/NDF : 573610.4/22

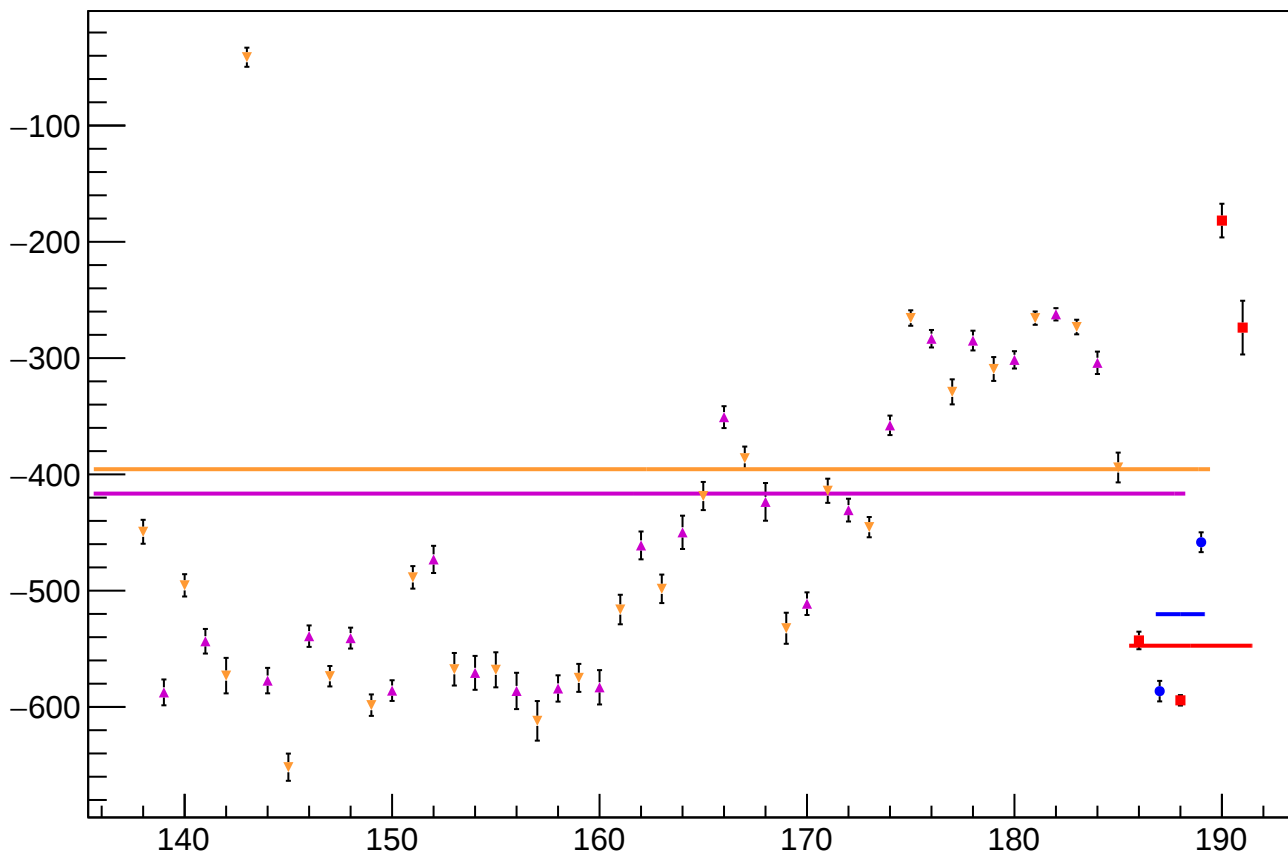
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -16.181 ± 0.019 χ^2/NDF : 930290.1/43

All: -16.246 ± 0.014 χ^2/NDF : 1786171.3/89

- sign -16.311 ± 0.019 χ^2/NDF : 855858.3/45

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -520.219 ± 6.129 $\chi^2/\text{NDF}: 109.0/1$

Left Out: -395.547 ± 1.953 $\chi^2/\text{NDF}: 5946.5/24$

Right Out: -547.328 ± 3.679 $\chi^2/\text{NDF}: 888.0/3$

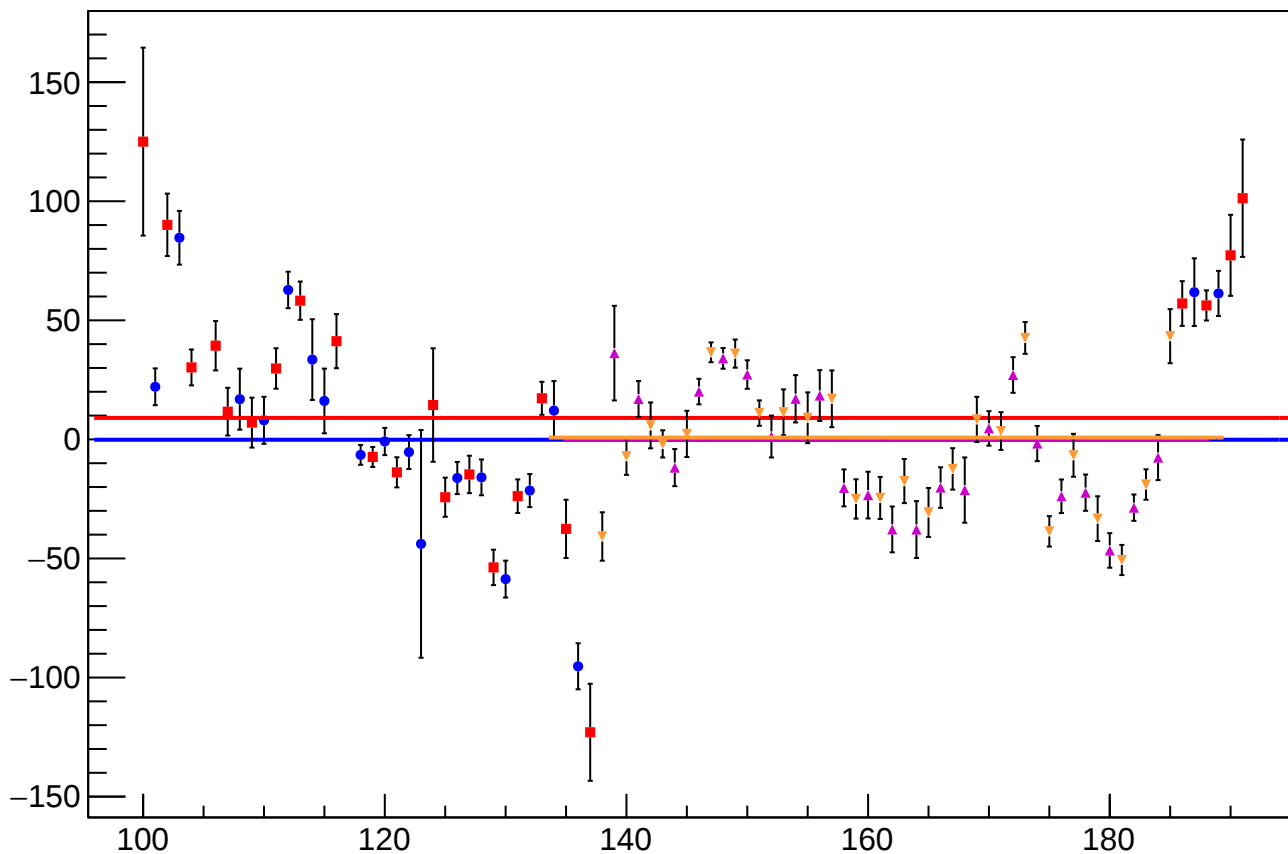
Left In: -416.521 ± 2.005 $\chi^2/\text{NDF}: 3917.0/22$

+ sign -407.045 ± 1.861 $\chi^2/\text{NDF}: 6431.2/26$

All: -427.856 ± 1.279 $\chi^2/\text{NDF}: 12447.8/53$

- sign -446.472 ± 1.760 $\chi^2/\text{NDF}: 5779.7/26$

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: 9.018 ± 1.786 χ^2/NDF : 431.8/22

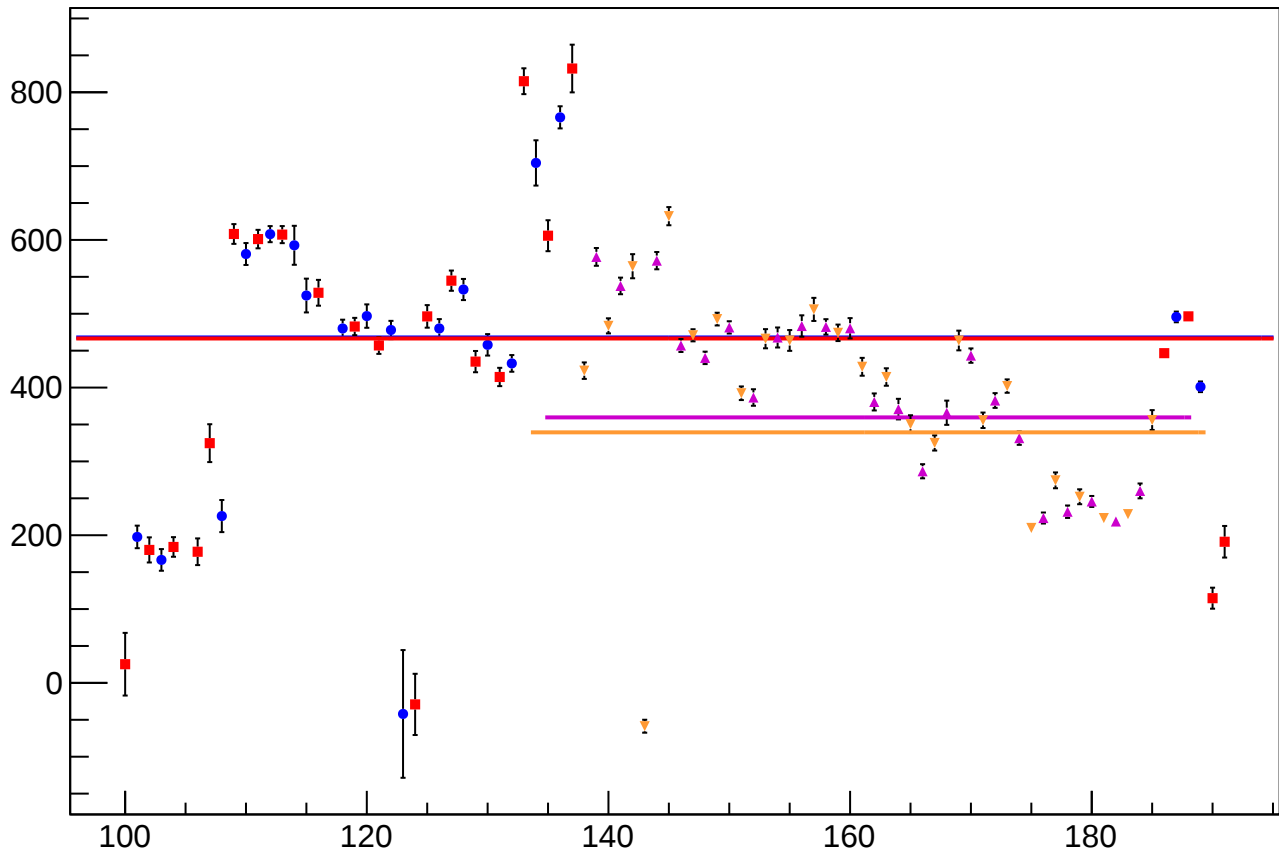
Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

+ sign 0.411 ± 1.172 χ^2/NDF : 729.3/43

All: 2.108 ± 0.832 χ^2/NDF : 1441.1/89

- sign 3.833 ± 1.181 χ^2/NDF : 707.6/45

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 467.898 $\pm$ 2.981 χ^2/NDF : 1736.1/18

Left Out: 339.355 $\pm$ 1.963 χ^2/NDF : 5502.5/24

Right Out: 466.495 $\pm$ 2.288 χ^2/NDF : 3146.8/22

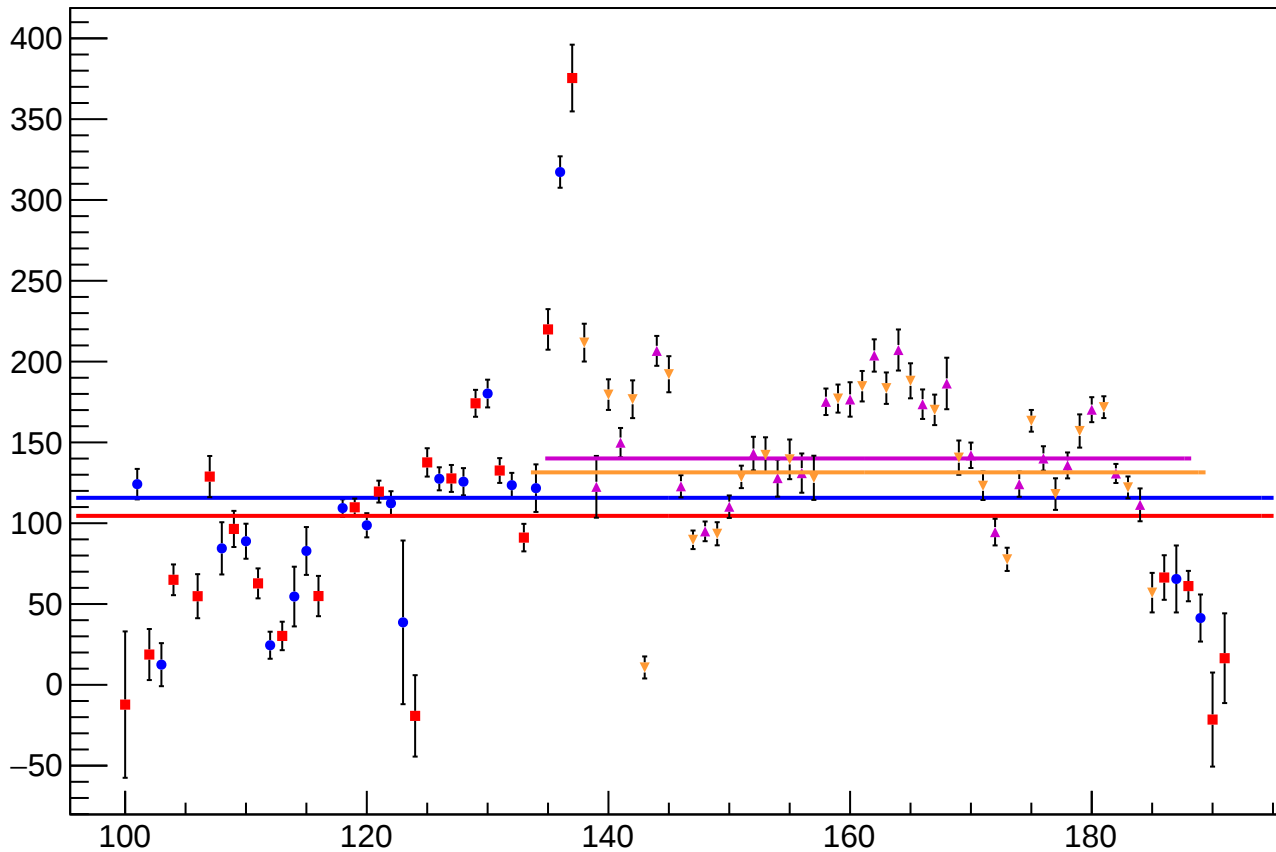
Left In: 359.609 $\pm$ 2.003 χ^2/NDF : 3398.5/22

+ sign 378.231 $\pm$ 1.639 χ^2/NDF : 8536.0/43

All: 393.273 $\pm$ 1.109 χ^2/NDF : 16472.6/89

- sign 405.985 $\pm$ 1.507 χ^2/NDF : 7781.3/45

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: 104.548 $\pm$ 2.113 χ^2/NDF : 630.4/22

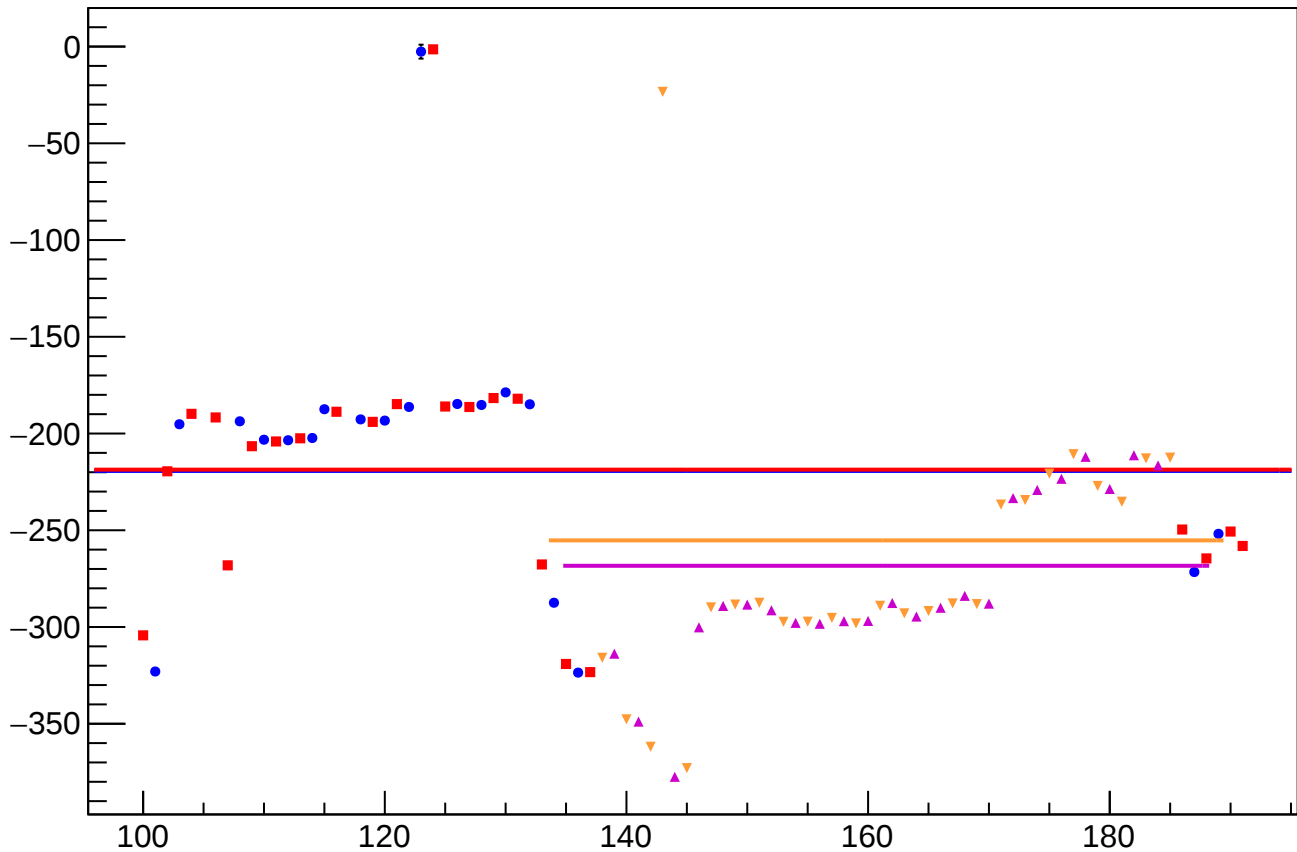
Left In: 140.069 $\pm$ 1.795 χ^2/NDF : 316.5/22

+ sign 125.429 $\pm$ 1.357 χ^2/NDF : 1579.3/43

All: 125.306 $\pm$ 0.963 χ^2/NDF : 2690.3/89

- sign 125.181 $\pm$ 1.368 χ^2/NDF : 1111.1/45

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: -218.669 ± 0.122 $\chi^2/\text{NDF}: 132030.4/22$

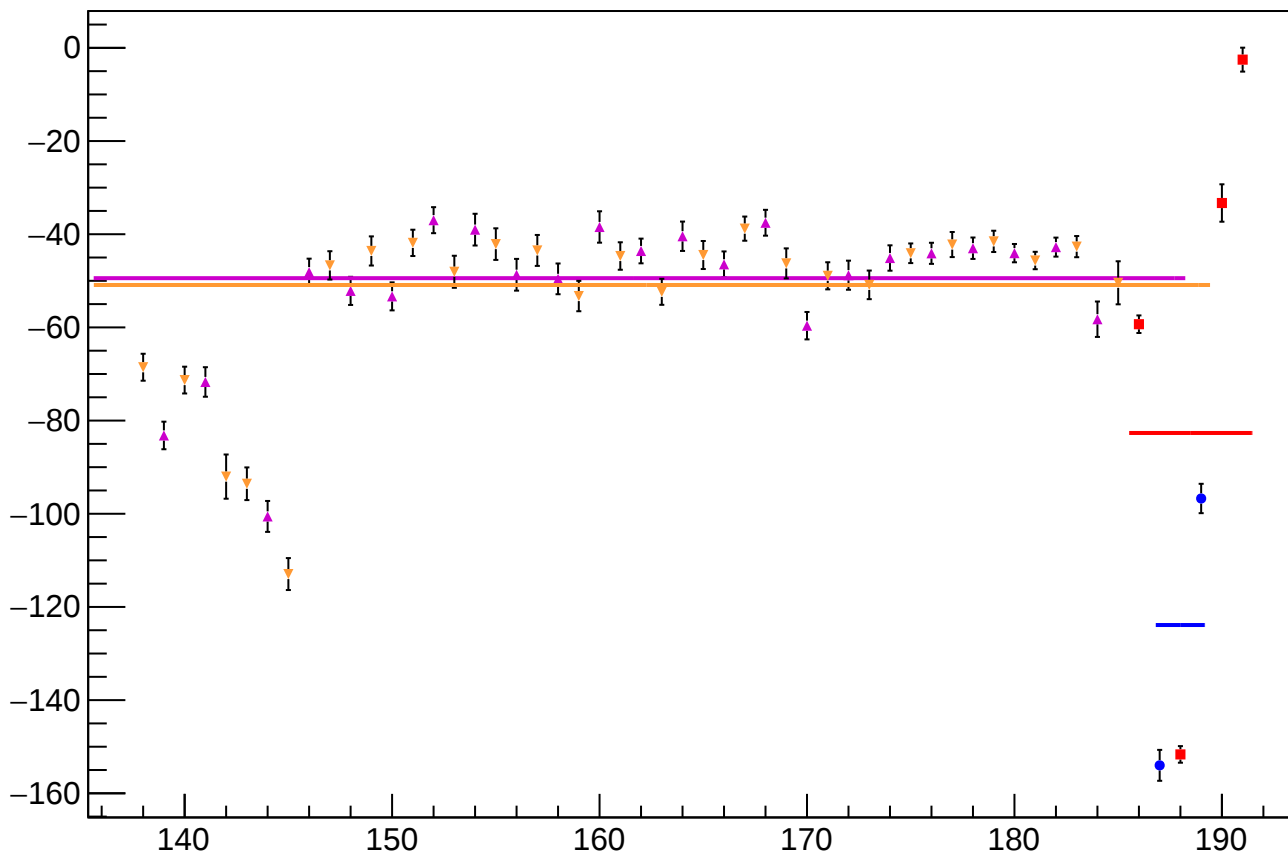
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.354 ± 0.070 $\chi^2/\text{NDF}: 931953.7/43$

All: -248.942 ± 0.049 $\chi^2/\text{NDF}: 1444717.8/89$

- sign -252.444 ± 0.069 $\chi^2/\text{NDF}: 507540.4/45$

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: -82.659 ± 1.111 $\chi^2/\text{NDF}: 2779.6/3$

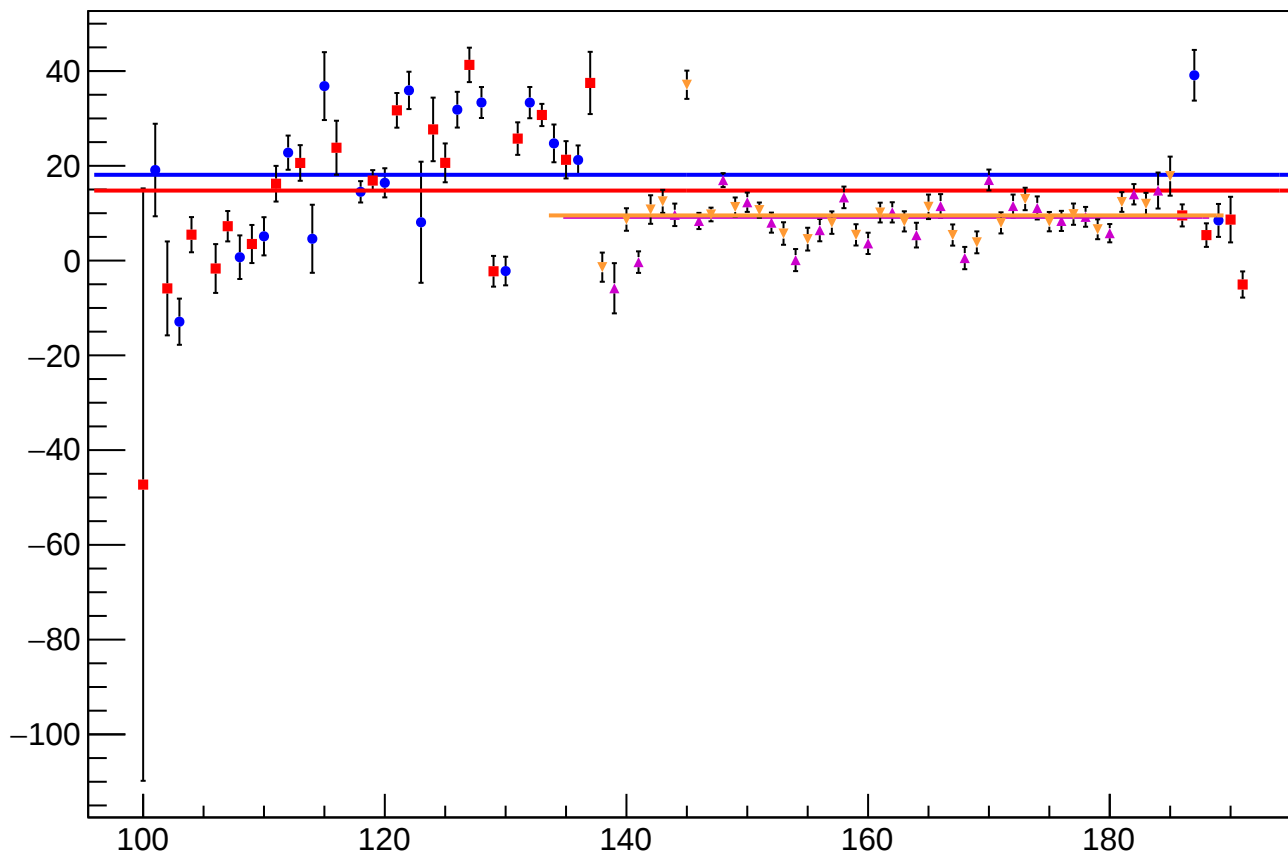
Left In: -49.432 ± 0.584 $\chi^2/\text{NDF}: 543.4/22$

+ sign -55.213 ± 0.556 $\chi^2/\text{NDF}: 1877.8/26$

All: -55.970 ± 0.378 $\chi^2/\text{NDF}: 5905.2/53$

- sign -56.625 ± 0.517 $\chi^2/\text{NDF}: 4023.9/26$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.104 ± 0.876 $\chi^2/\text{NDF}: 229.7/18$

Left Out: 9.530 ± 0.446 $\chi^2/\text{NDF}: 134.4/24$

Right Out: 14.776 ± 0.733 $\chi^2/\text{NDF}: 292.9/22$

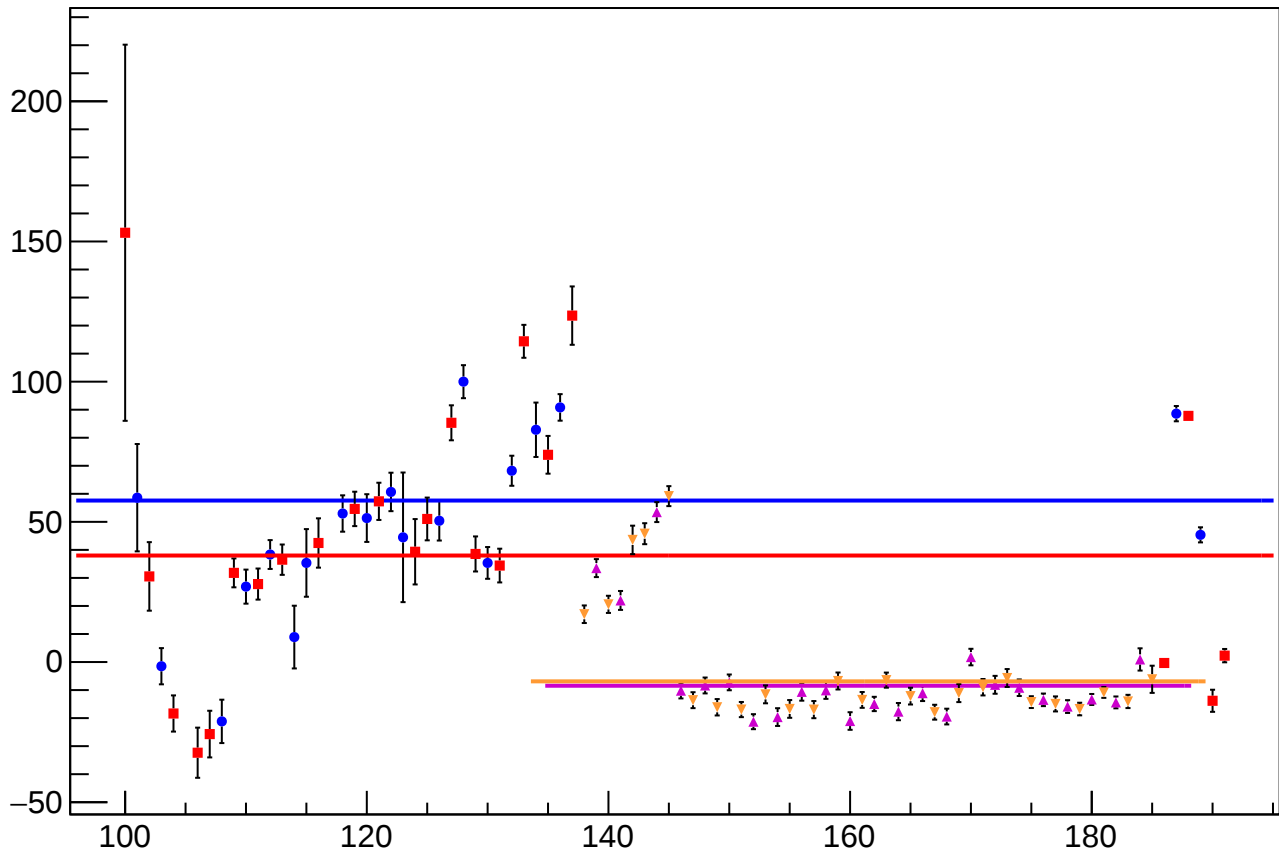
Left In: 9.231 ± 0.462 $\chi^2/\text{NDF}: 124.0/22$

+ sign 11.294 ± 0.397 $\chi^2/\text{NDF}: 440.1/43$

All: 11.046 ± 0.279 $\chi^2/\text{NDF}: 898.7/89$

- sign 10.806 ± 0.391 $\chi^2/\text{NDF}: 457.9/45$

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 57.599 ± 1.263 $\chi^2/\text{NDF}: 529.0/18$

Left Out: -6.888 ± 0.571 $\chi^2/\text{NDF}: 914.2/24$

Right Out: 37.990 ± 0.803 $\chi^2/\text{NDF}: 2792.3/22$

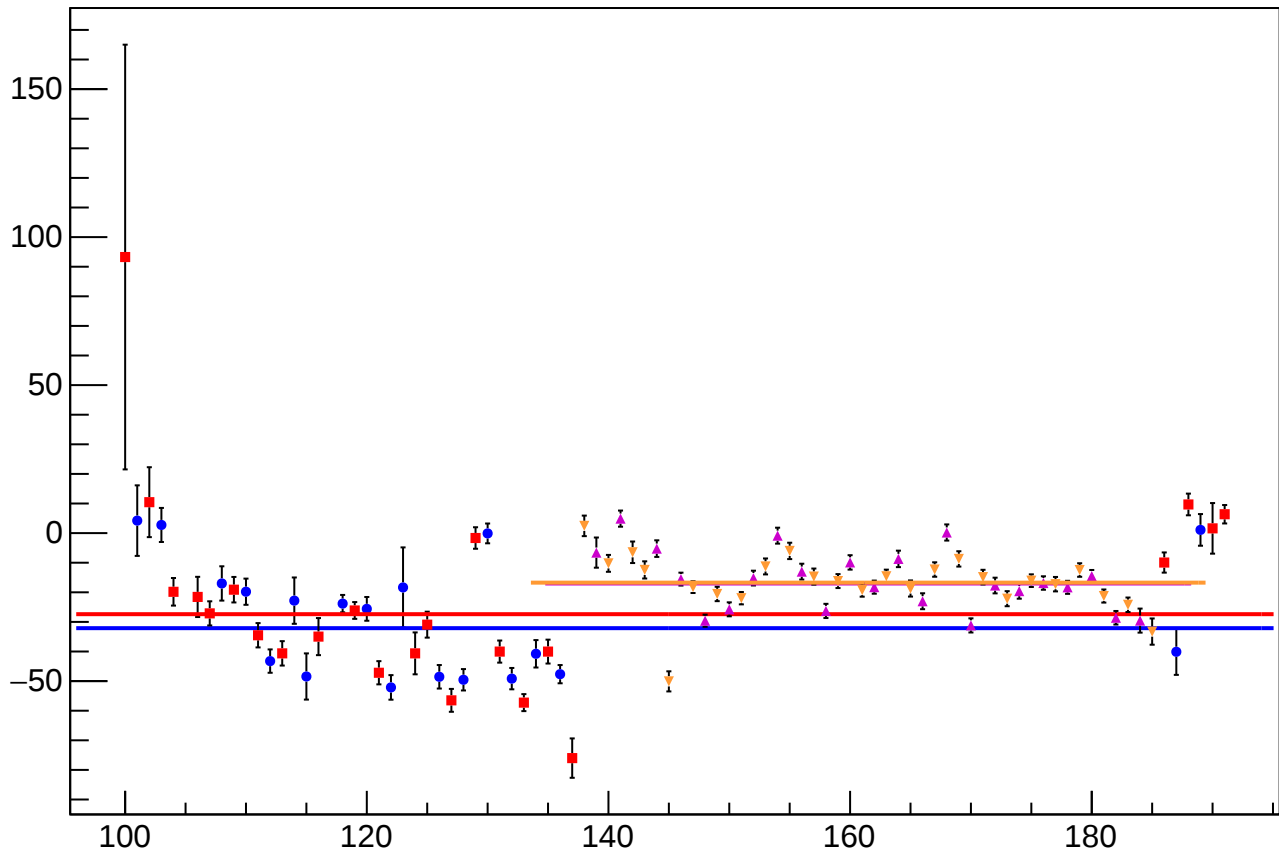
Left In: -8.451 ± 0.580 $\chi^2/\text{NDF}: 688.9/22$

+ sign 4.049 ± 0.520 $\chi^2/\text{NDF}: 3606.6/43$

All: 5.936 ± 0.349 $\chi^2/\text{NDF}: 9311.8/89$

- sign 7.476 ± 0.470 $\chi^2/\text{NDF}: 5681.3/45$

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: -27.389 ± 0.880 χ^2/NDF : 612.5/22

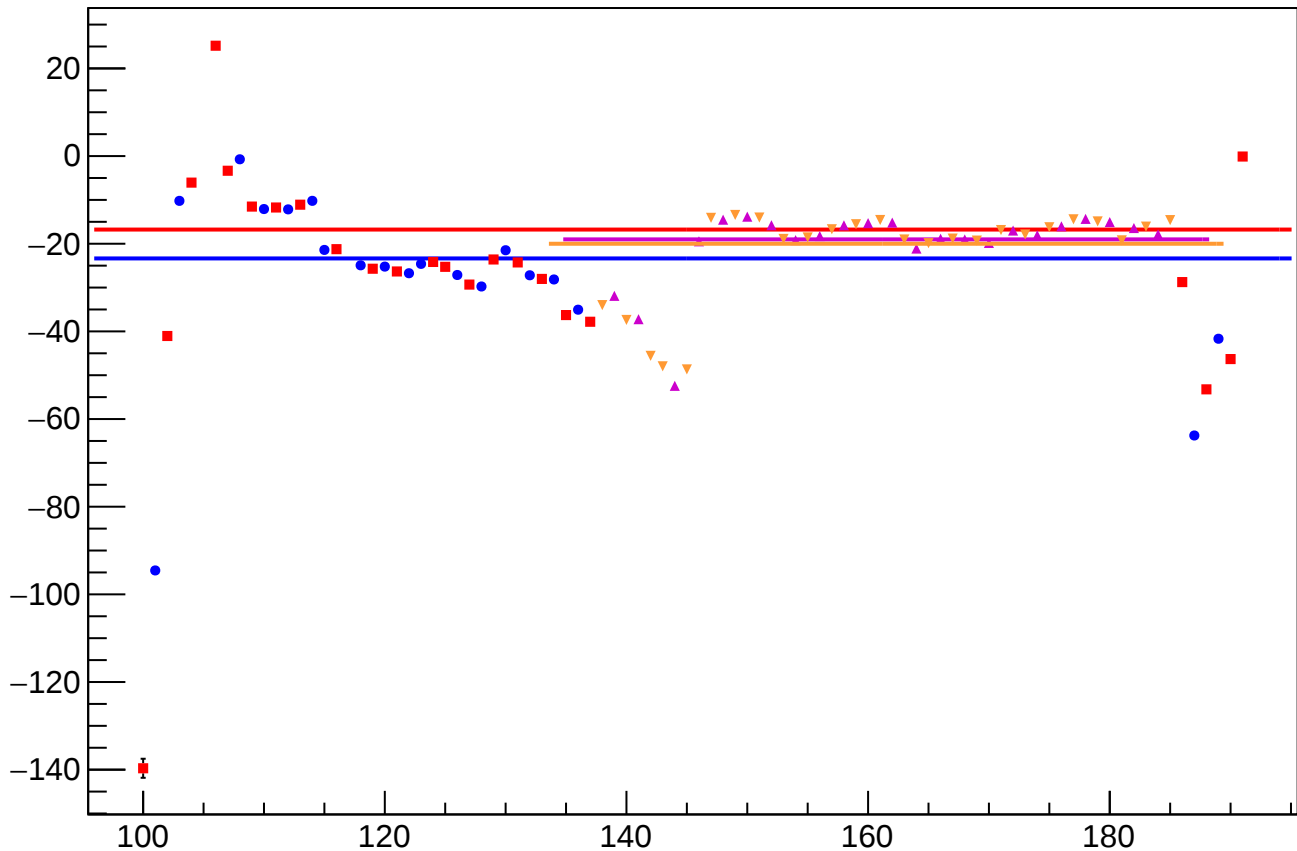
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.790 ± 0.454 χ^2/NDF : 738.6/43

All: -19.755 ± 0.319 χ^2/NDF : 1781.3/89

- sign -19.720 ± 0.449 χ^2/NDF : 1042.8/45

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -23.354 ± 0.057 $\chi^2/\text{NDF}: 64703.4/18$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -16.765 ± 0.045 $\chi^2/\text{NDF}: 176906.3/22$

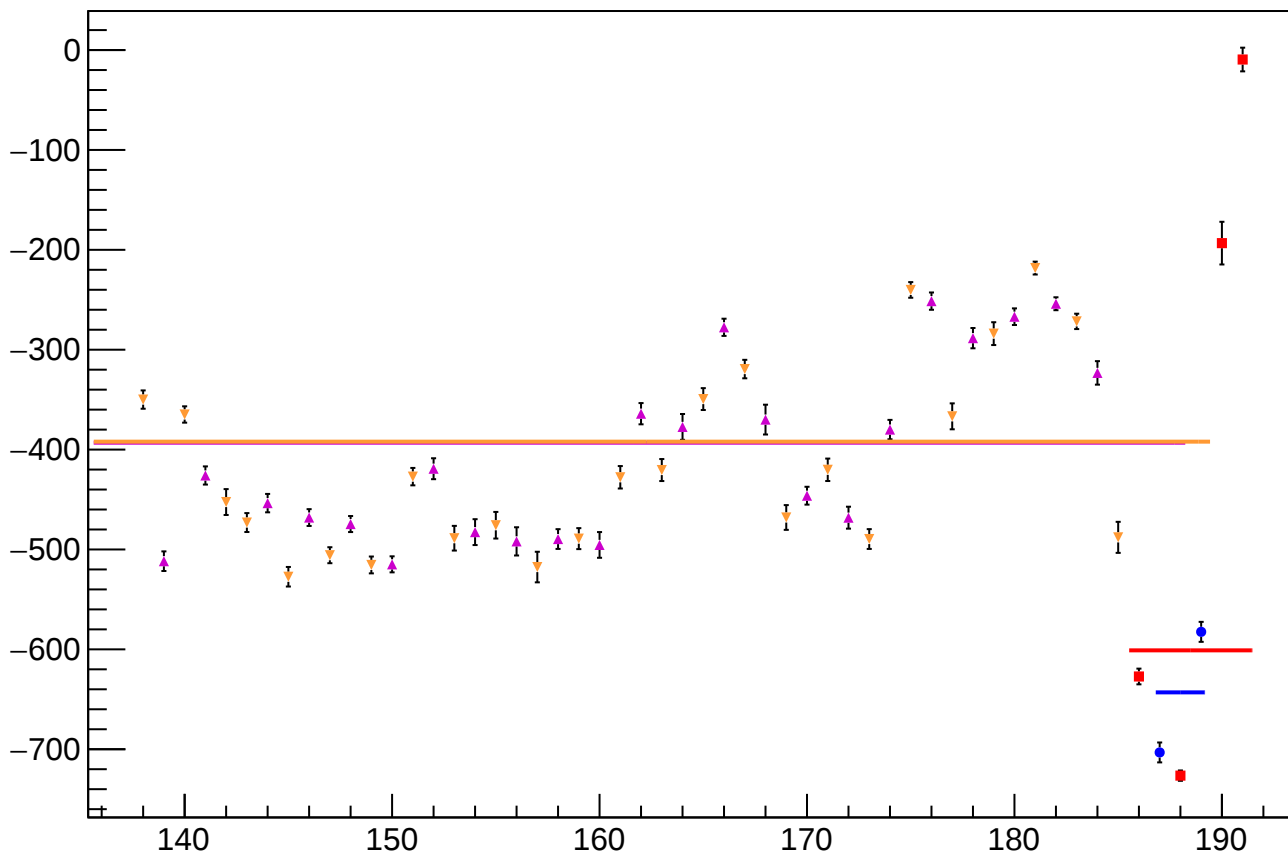
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -20.490 ± 0.022 $\chi^2/\text{NDF}: 213313.6/43$

All: -19.472 ± 0.015 $\chi^2/\text{NDF}: 487395.4/89$

- sign -18.514 ± 0.021 $\chi^2/\text{NDF}: 269752.8/45$

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: -601.007+/-3.991 χ^2/NDF : 3450.6/3

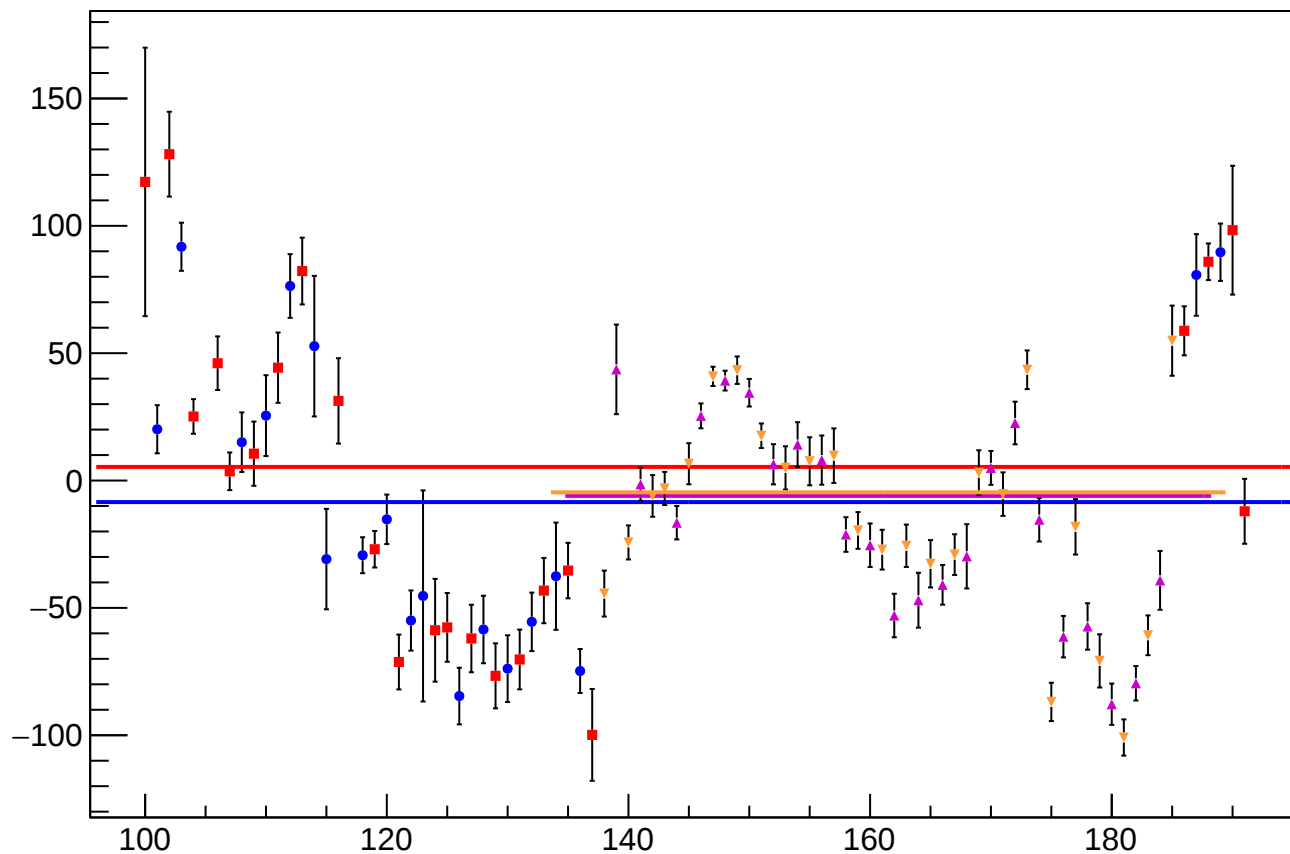
Left In: -393.113+/-2.006 χ^2/NDF : 2253.3/22

+ sign -410.132+/-1.894 χ^2/NDF : 3963.6/26

All: -423.268+/-1.302 χ^2/NDF : 11924.8/53

- sign -435.022+/-1.792 χ^2/NDF : 7870.1/26

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: 5.349 ± 2.329 χ^2/NDF : 572.5/22

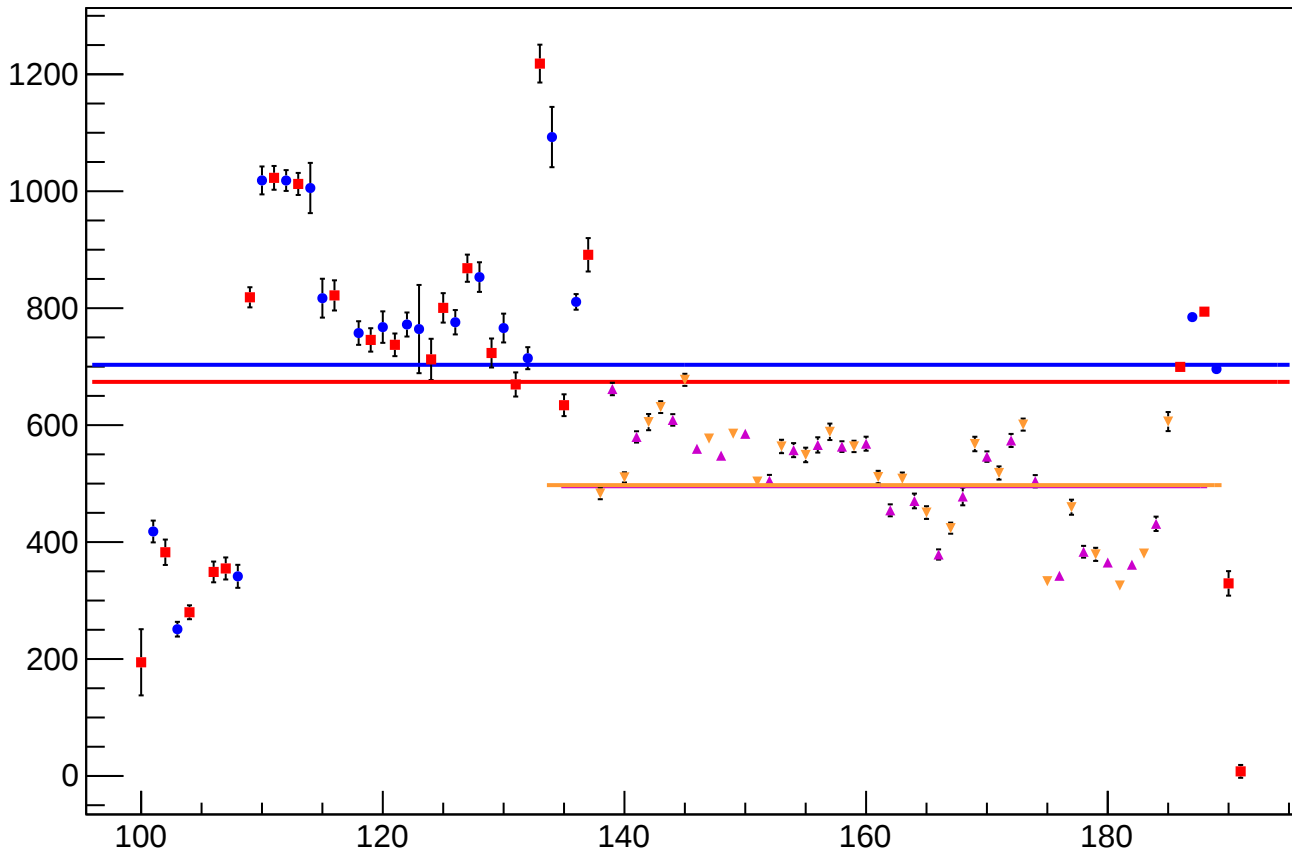
Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -5.493 ± 1.286 χ^2/NDF : 1253.6/43

All: -4.047 ± 0.904 χ^2/NDF : 2499.4/89

- sign -2.634 ± 1.271 χ^2/NDF : 1243.3/45

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: 673.967 $\pm$ 2.693 χ^2 /NDF: 7959.2/22

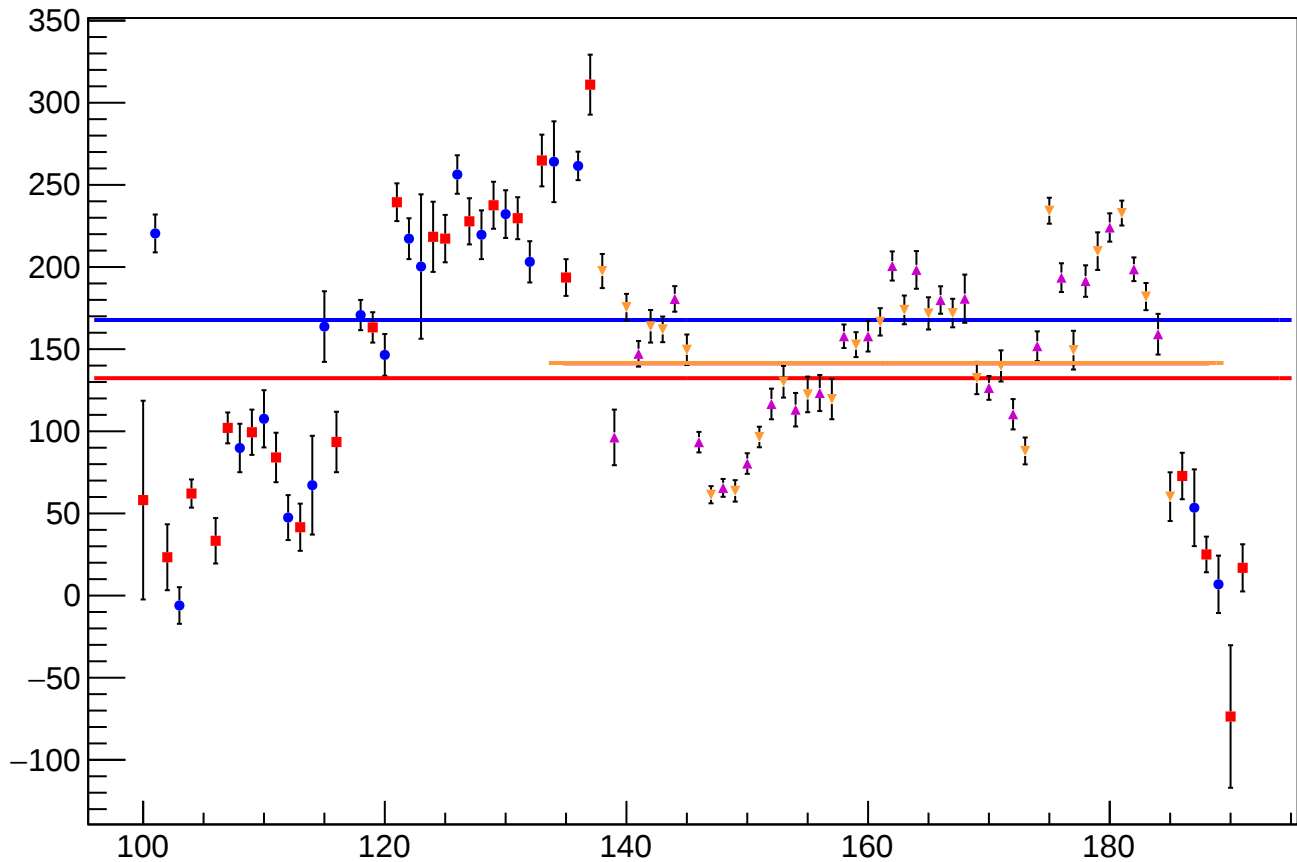
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 540.333 $\pm$ 1.749 χ^2 /NDF: 7614.2/43

All: 550.264 $\pm$ 1.181 χ^2 /NDF: 20726.4/89

- sign 558.594 $\pm$ 1.602 χ^2 /NDF: 13053.0/45

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: 132.334 $\pm$ 2.810 χ^2 /NDF: 926.8/22

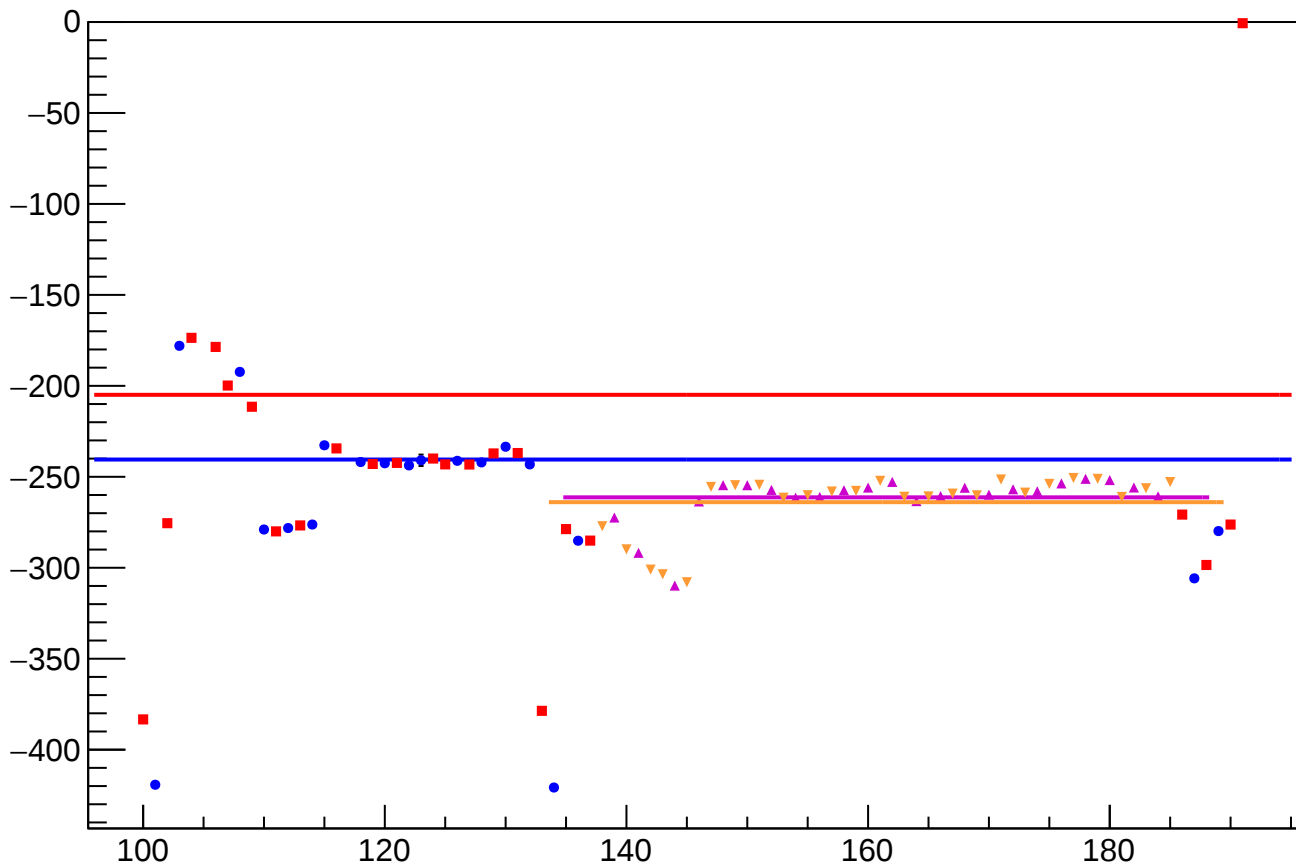
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF:741.2/22

+ sign 147.449 $\pm$ 1.496 χ^2 /NDF: 1762.6/43

All: 143.110 $\pm$ 1.054 χ^2 /NDF: 3454.7/89

- sign 138.842 $\pm$ 1.484 χ^2 /NDF: 1675.5/45

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -240.506 ± 0.157 $\chi^2/\text{NDF}: 171792.1/18$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -204.930 ± 0.135 $\chi^2/\text{NDF}: 425266.9/22$

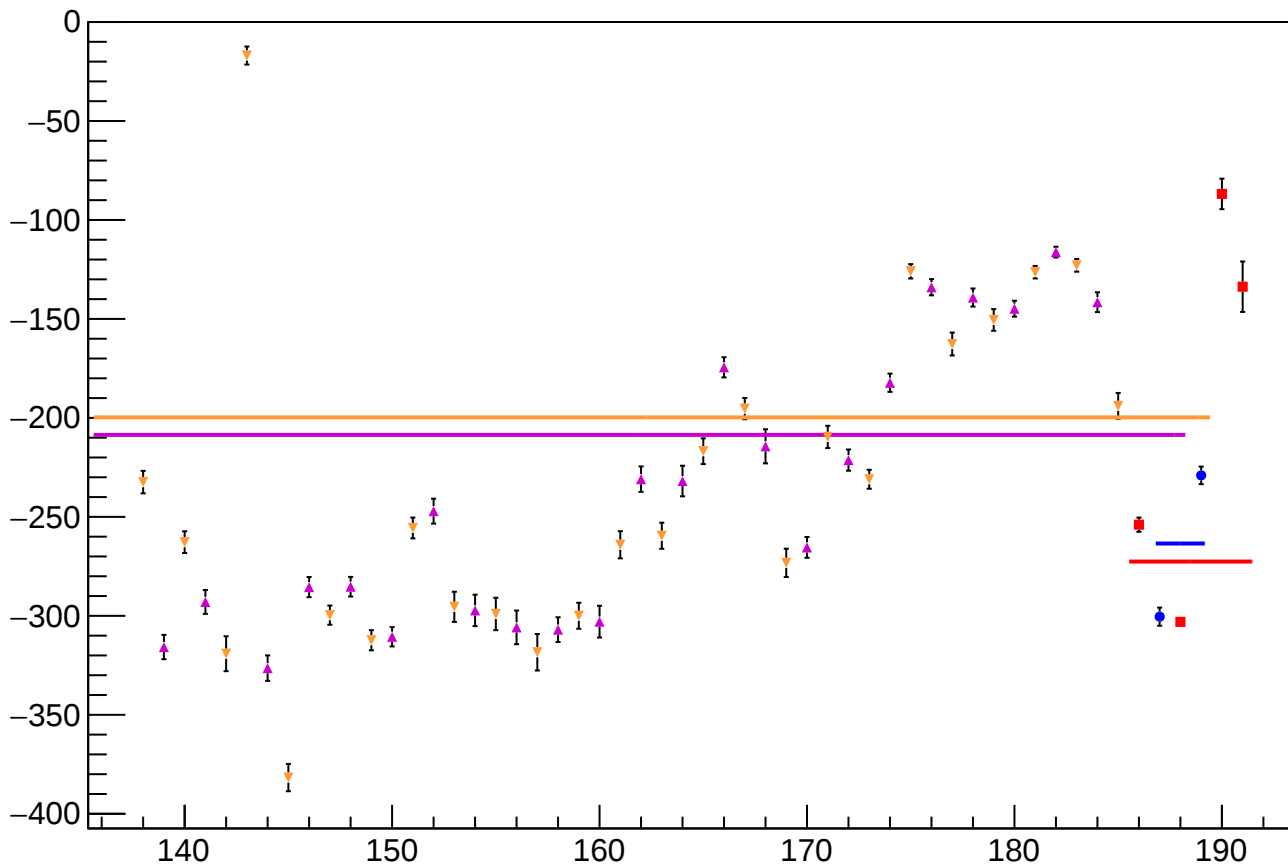
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -258.982 ± 0.072 $\chi^2/\text{NDF}: 228491.1/43$

All: -252.394 ± 0.050 $\chi^2/\text{NDF}: 820121.5/89$

- sign -246.168 ± 0.070 $\chi^2/\text{NDF}: 575406.5/45$

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: -272.577 ± 1.895 $\chi^2/\text{NDF}: 890.5/3$

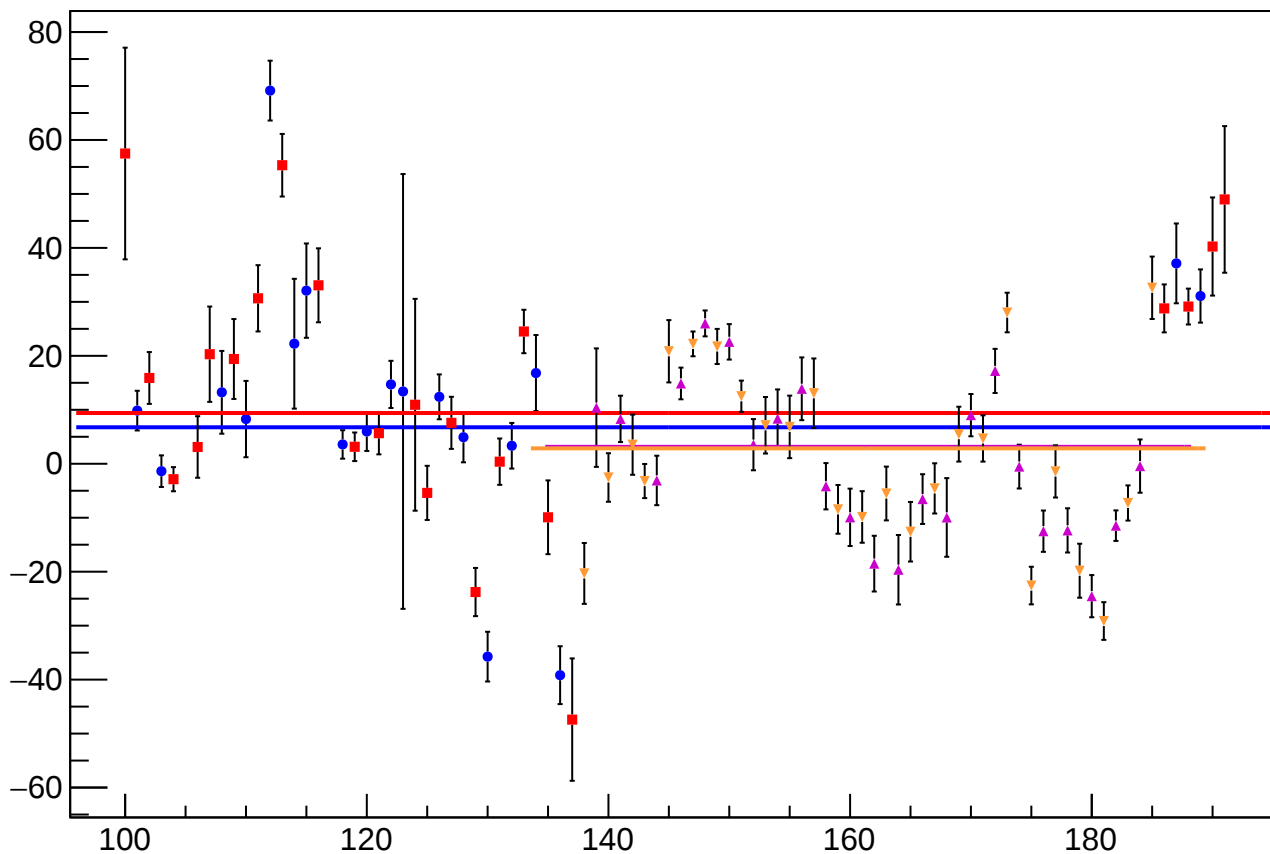
Left In: -208.579 ± 1.082 $\chi^2/\text{NDF}: 4805.1/22$

+ sign -206.093 ± 1.007 $\chi^2/\text{NDF}: 6846.1/26$

All: -215.836 ± 0.687 $\chi^2/\text{NDF}: 13577.1/53$

- sign -224.323 ± 0.940 $\chi^2/\text{NDF}: 6555.8/26$

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: 9.403 ± 0.984 $\chi^2/\text{NDF}: 325.5/22$

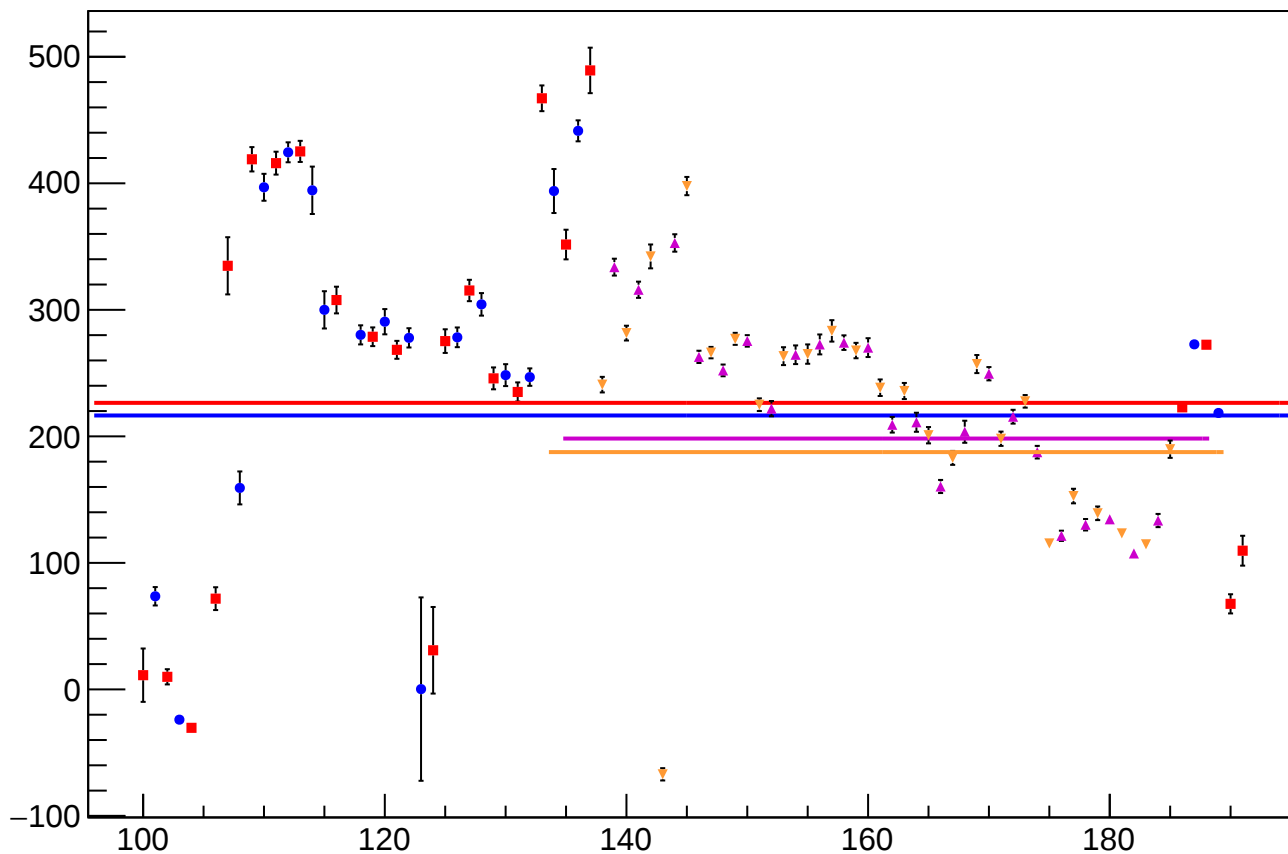
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 4.301 ± 0.651 $\chi^2/\text{NDF}: 783.3/43$

All: 5.074 ± 0.458 $\chi^2/\text{NDF}: 1454.5/89$

- sign 5.837 ± 0.646 $\chi^2/\text{NDF}: 668.4/45$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 216.500 ± 1.591 $\chi^2/\text{NDF}: 7006.1/18$

Left Out: 187.565 ± 1.066 $\chi^2/\text{NDF}: 7082.0/24$

Right Out: 226.485 ± 1.204 $\chi^2/\text{NDF}: 9634.5/22$

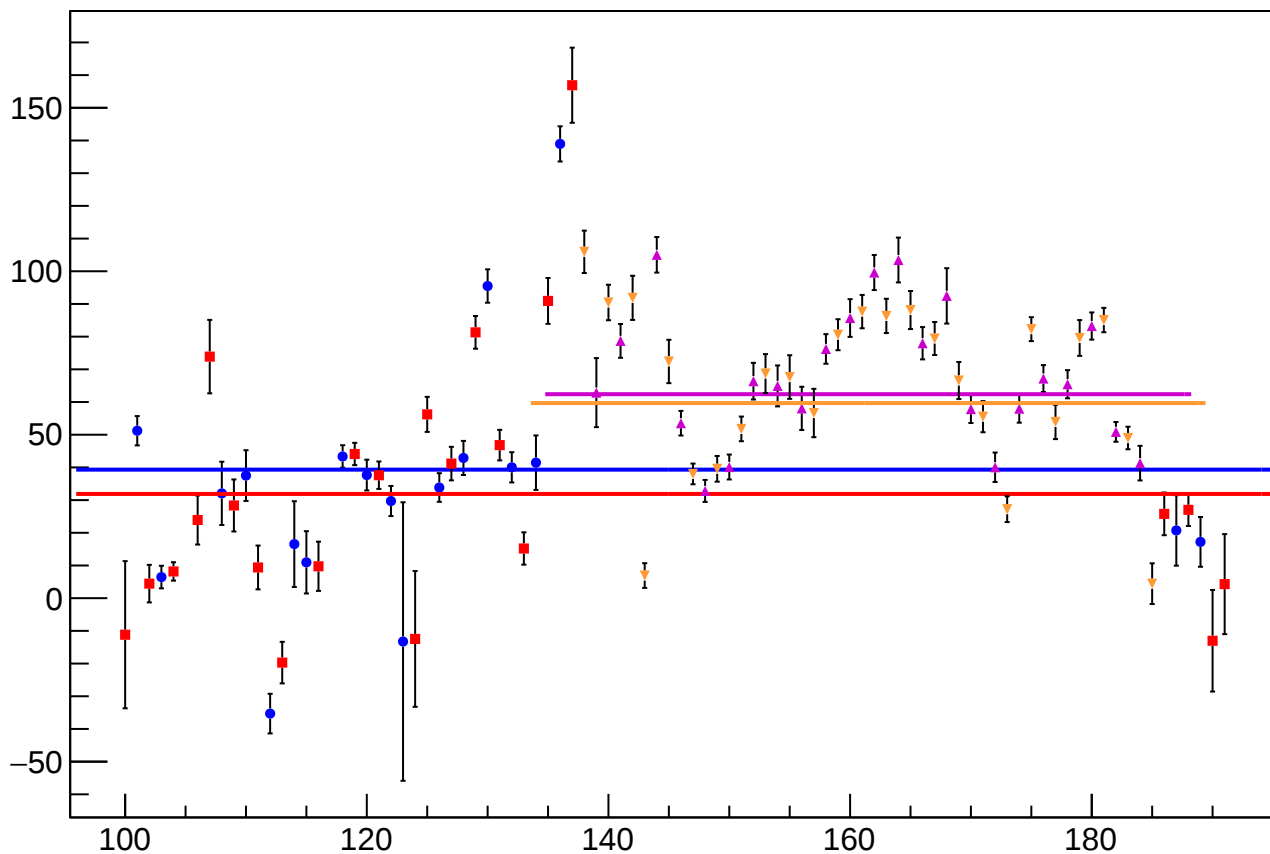
Left In: 198.269 ± 1.082 $\chi^2/\text{NDF}: 4515.8/22$

+ sign 196.530 ± 0.885 $\chi^2/\text{NDF}: 14316.5/43$

All: 204.388 ± 0.595 $\chi^2/\text{NDF}: 28914.6/89$

- sign 210.874 ± 0.804 $\chi^2/\text{NDF}: 14454.3/45$

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 39.319 $\pm$ 1.259 χ^2/NDF : 745.8/18

Left Out: 59.682 $\pm$ 0.941 χ^2/NDF : 757.6/24

Right Out: 31.885 $\pm$ 1.187 χ^2/NDF : 563.9/22

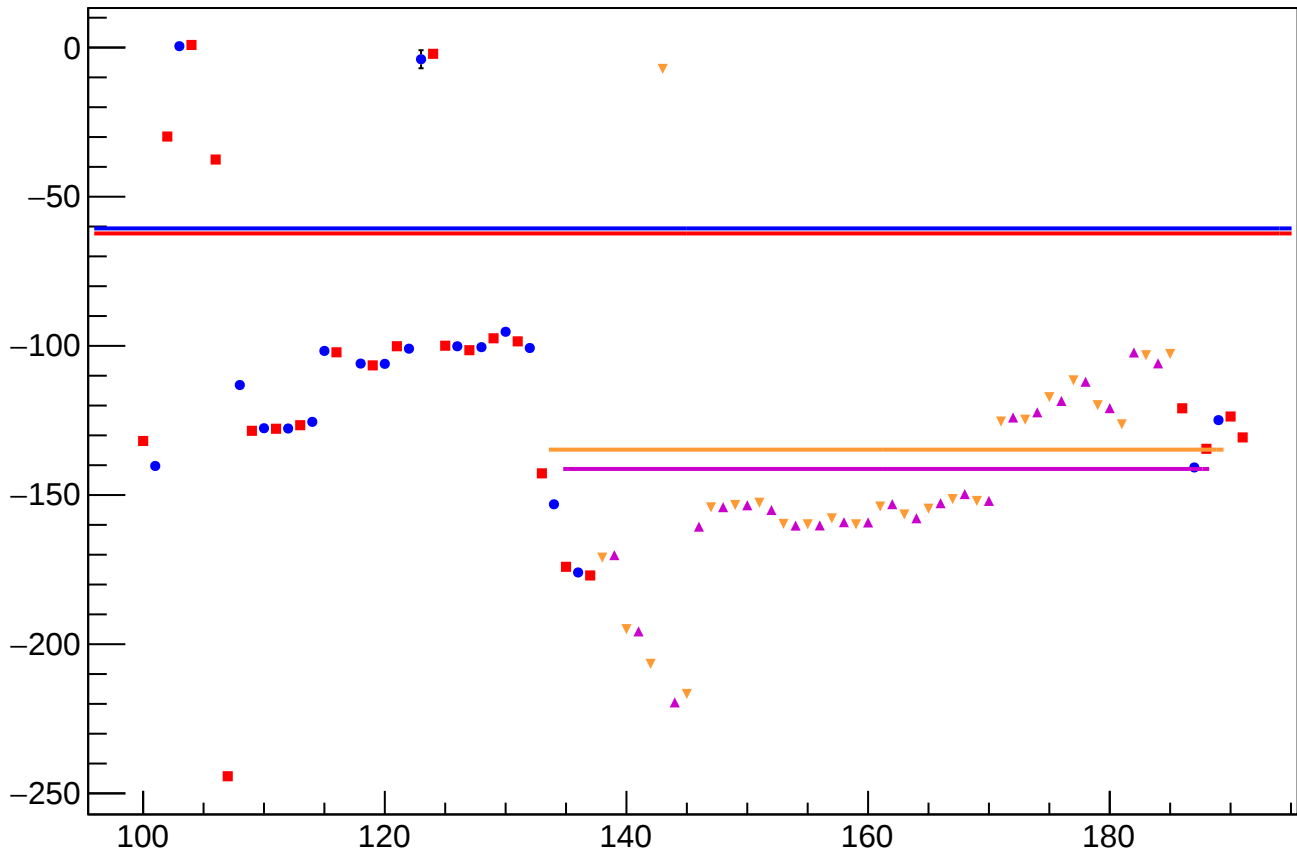
Left In: 62.400 $\pm$ 0.974 χ^2/NDF : 406.3/22

+ sign 52.386 $\pm$ 0.754 χ^2/NDF : 1671.3/43

All: 51.249 $\pm$ 0.533 χ^2/NDF : 3041.1/89

- sign 50.114 $\pm$ 0.753 χ^2/NDF : 1365.2/45

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: -62.311 ± 0.057 $\chi^2/\text{NDF}: 1157577.5/22$

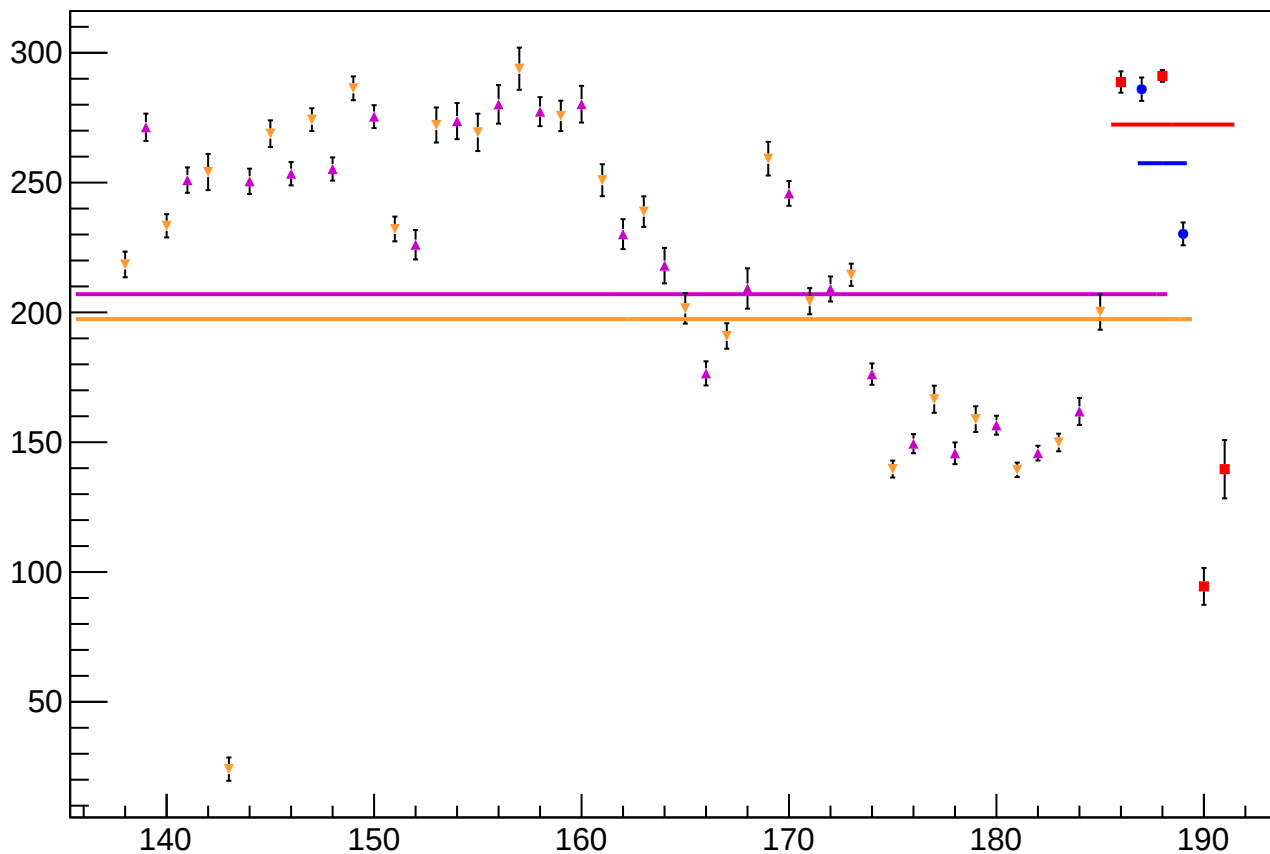
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -108.783 ± 0.036 $\chi^2/\text{NDF}: 2932440.9/43$

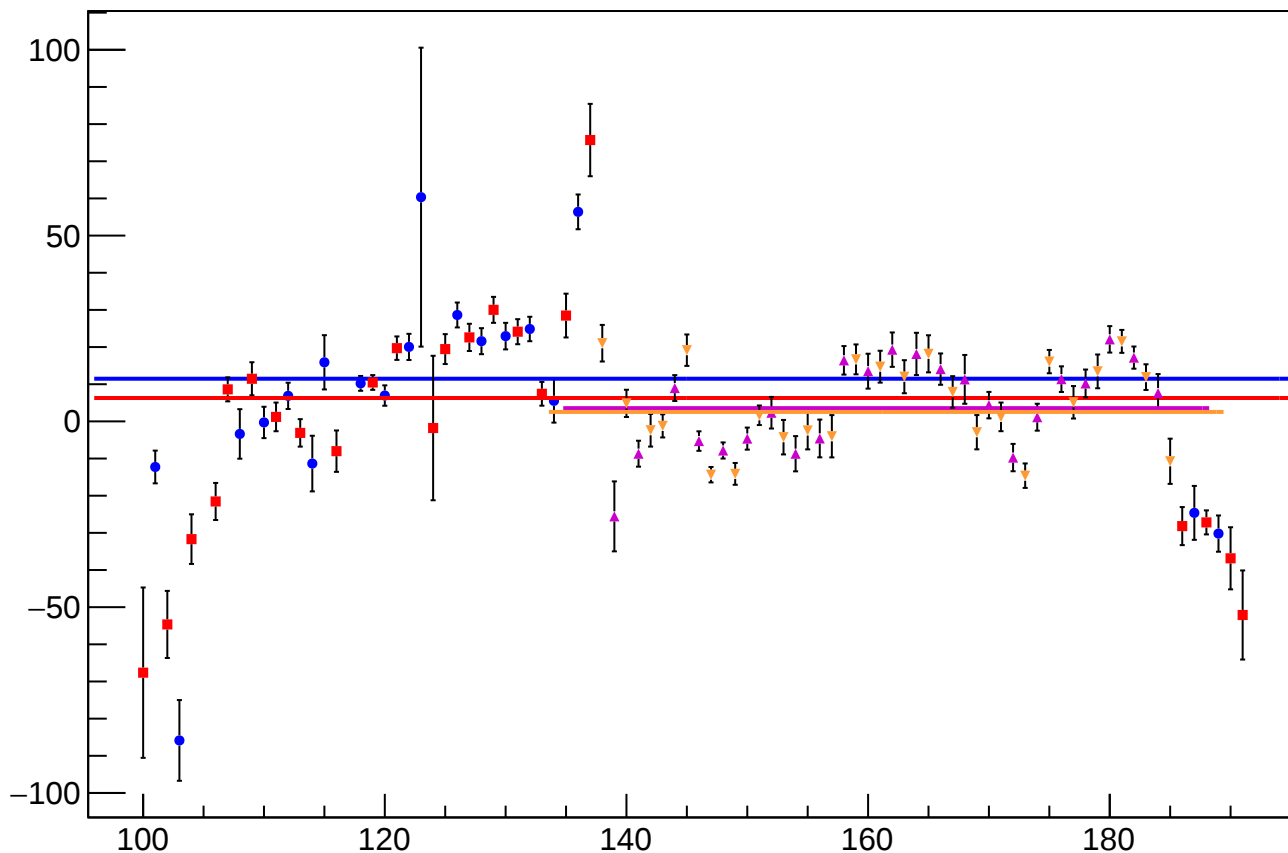
All: -109.813 ± 0.025 $\chi^2/\text{NDF}: 5610071.8/89$

- sign -110.823 ± 0.036 $\chi^2/\text{NDF}: 2675995.8/45$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 11.481 ± 0.914 $\chi^2/\text{NDF}: 396.2/18$

Left Out: 2.548 ± 0.741 $\chi^2/\text{NDF}: 275.4/24$

Right Out: 6.291 ± 0.861 $\chi^2/\text{NDF}: 531.4/22$

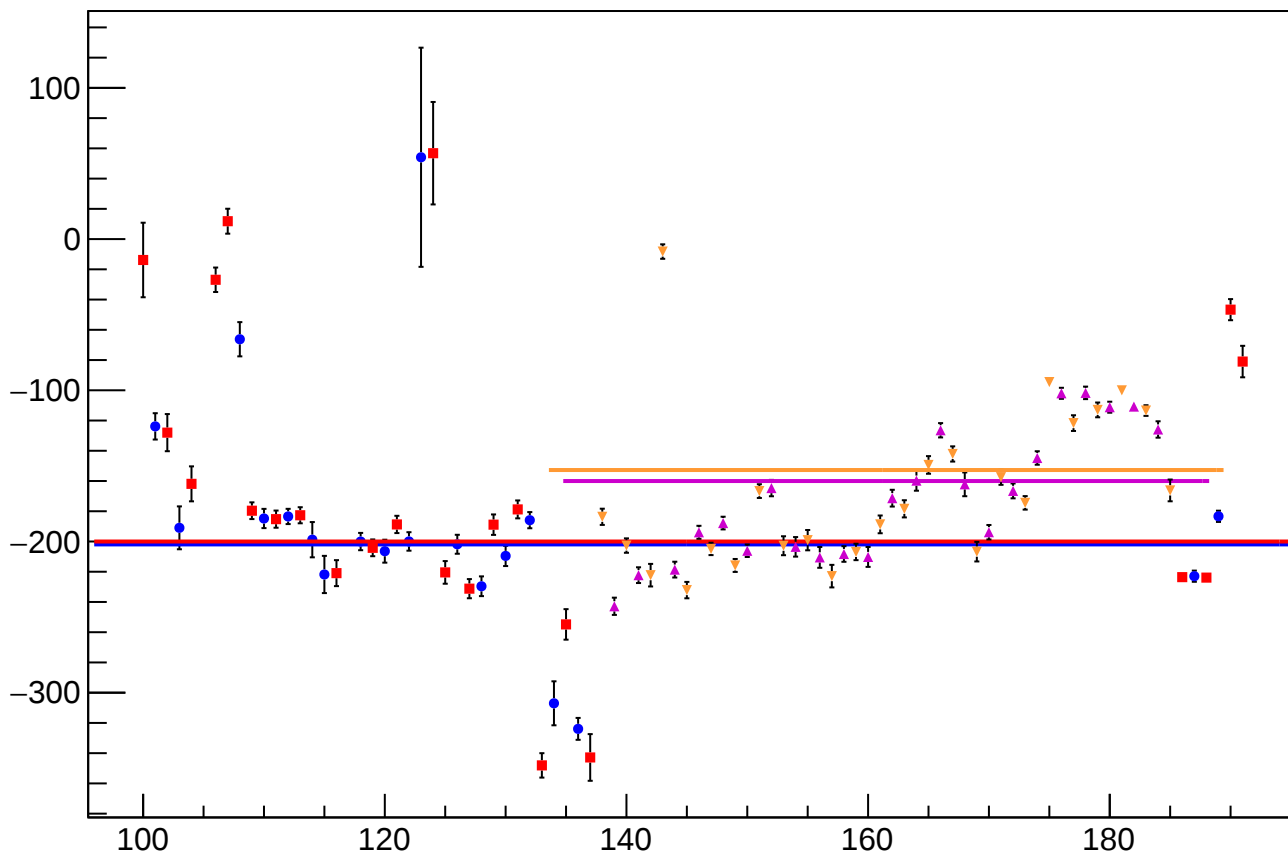
Left In: 3.559 ± 0.774 $\chi^2/\text{NDF}: 192.0/22$

+ sign 6.090 ± 0.576 $\chi^2/\text{NDF}: 729.3/43$

All: 5.436 ± 0.407 $\chi^2/\text{NDF}: 1460.9/89$

- sign 4.781 ± 0.575 $\chi^2/\text{NDF}: 728.9/45$

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: -200.011 ± 1.144 χ^2/NDF : 2651.5/22

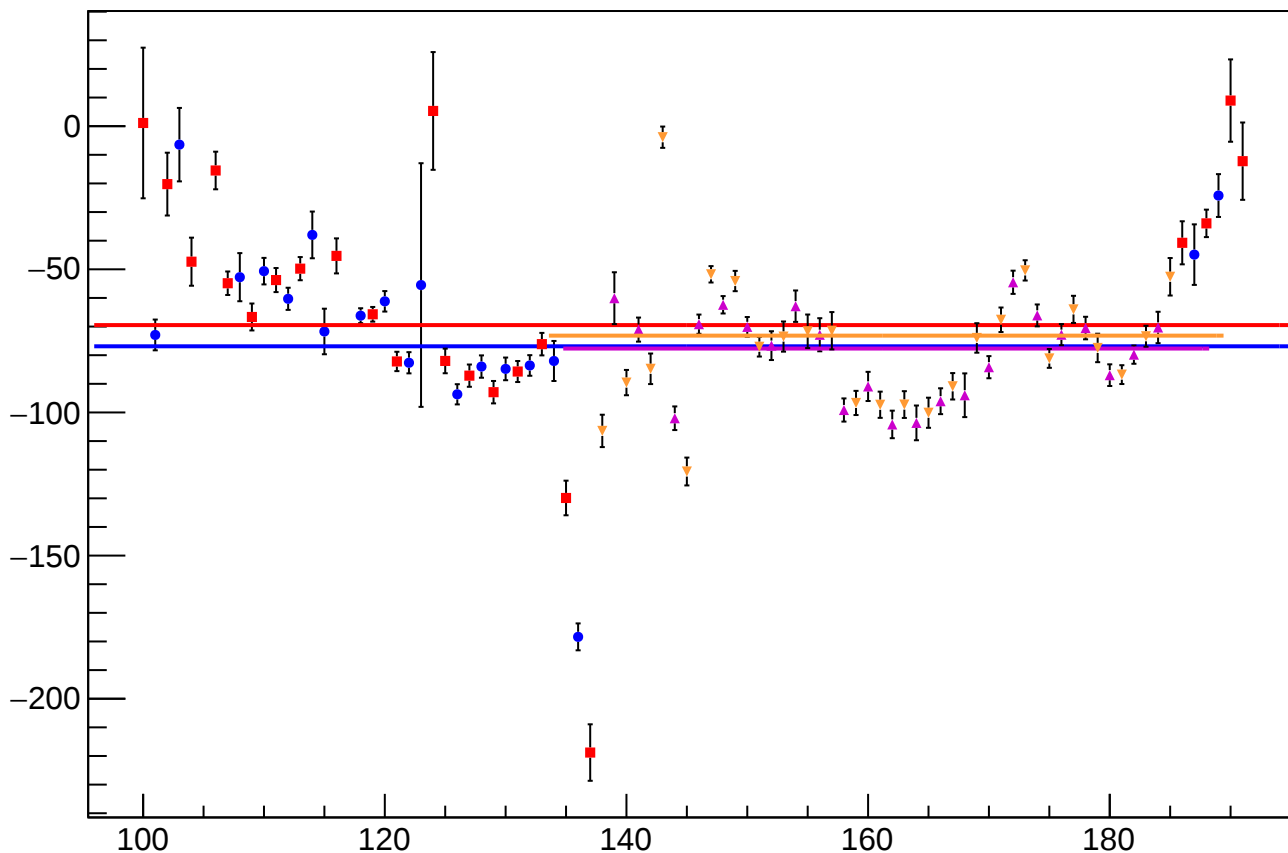
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -167.407 ± 0.810 χ^2/NDF : 4532.0/43

All: -172.646 ± 0.550 χ^2/NDF : 9984.6/89

- sign -177.115 ± 0.748 χ^2/NDF : 5375.1/45

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: -69.484 $\pm$ 1.014 χ^2/NDF : 731.0/22

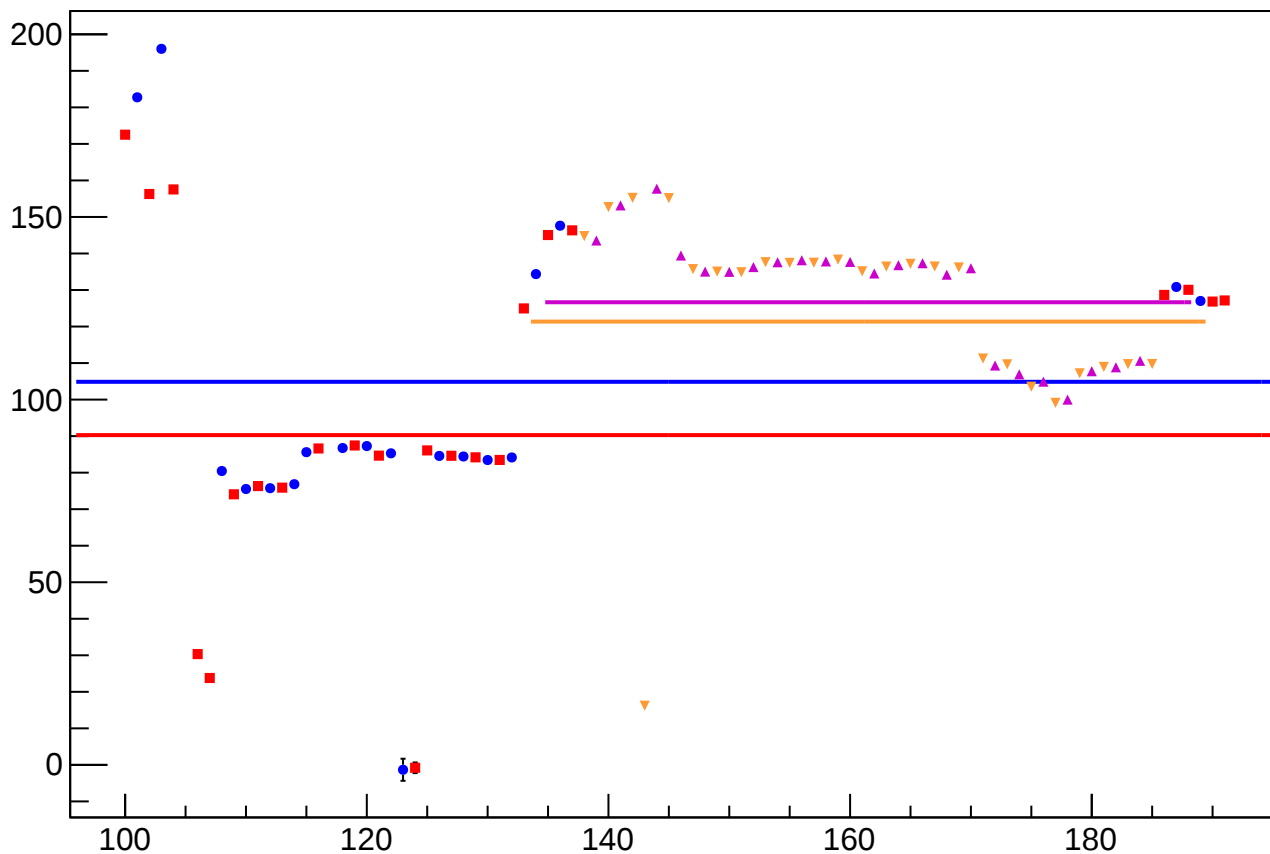
Left In: -77.678 $\pm$ 0.883 χ^2/NDF : 248.3/22

+ sign -74.614 $\pm$ 0.665 χ^2/NDF : 1506.4/43

All: -74.380 $\pm$ 0.471 χ^2/NDF : 2523.0/89

- sign -74.146 $\pm$ 0.666 χ^2/NDF : 1016.4/45

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: 90.278 ± 0.060 $\chi^2/\text{NDF}: 478733.3/22$

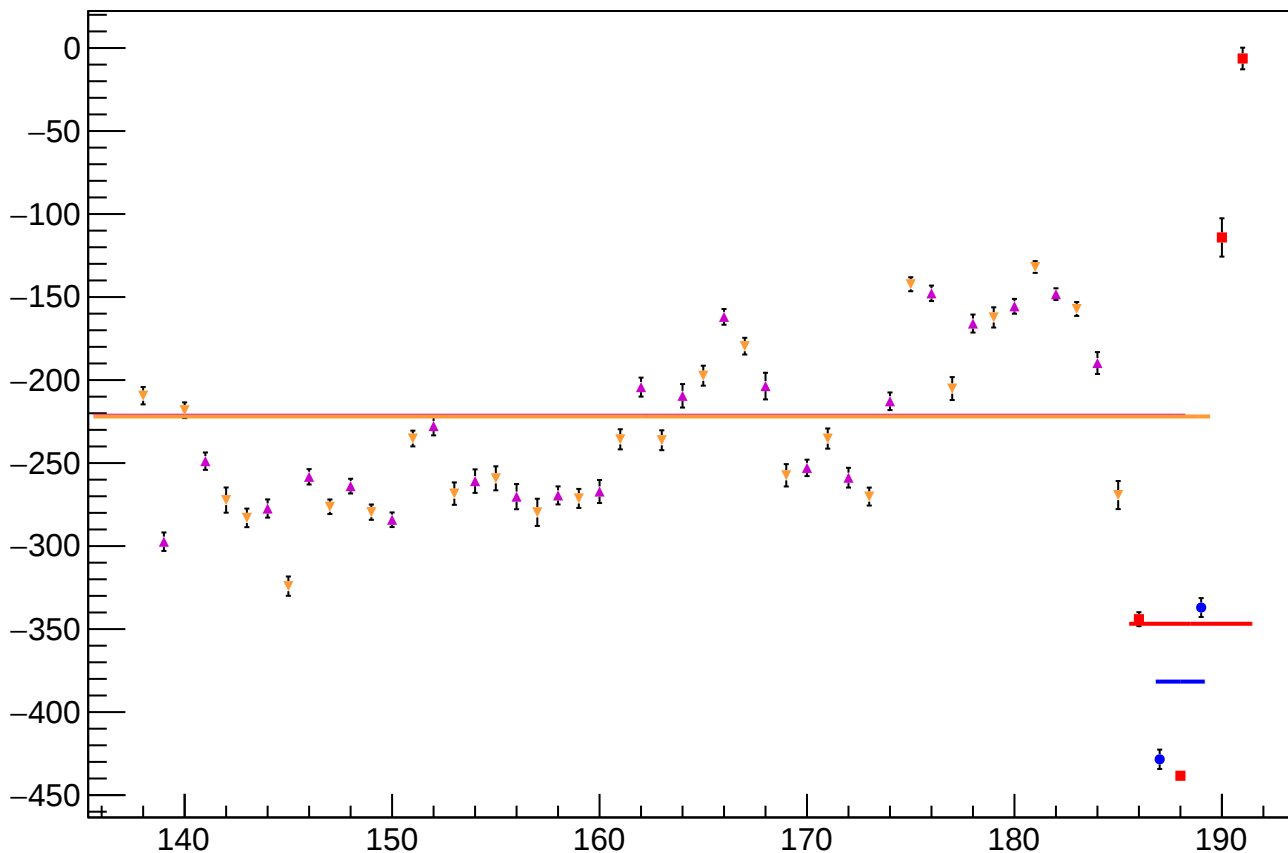
Left In: 126.653 ± 0.041 $\chi^2/\text{NDF}: 163046.1/22$

+ sign 117.163 ± 0.035 $\chi^2/\text{NDF}: 803661.0/43$

All: 116.060 ± 0.024 $\chi^2/\text{NDF}: 1698271.8/89$

- sign 115.016 ± 0.034 $\chi^2/\text{NDF}: 892657.1/45$

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -381.628 ± 4.074 $\chi^2/\text{NDF}: 125.8/1$

Left Out: -221.934 ± 1.084 $\chi^2/\text{NDF}: 2578.4/24$

Right Out: -346.805 ± 2.259 $\chi^2/\text{NDF}: 4045.5/3$

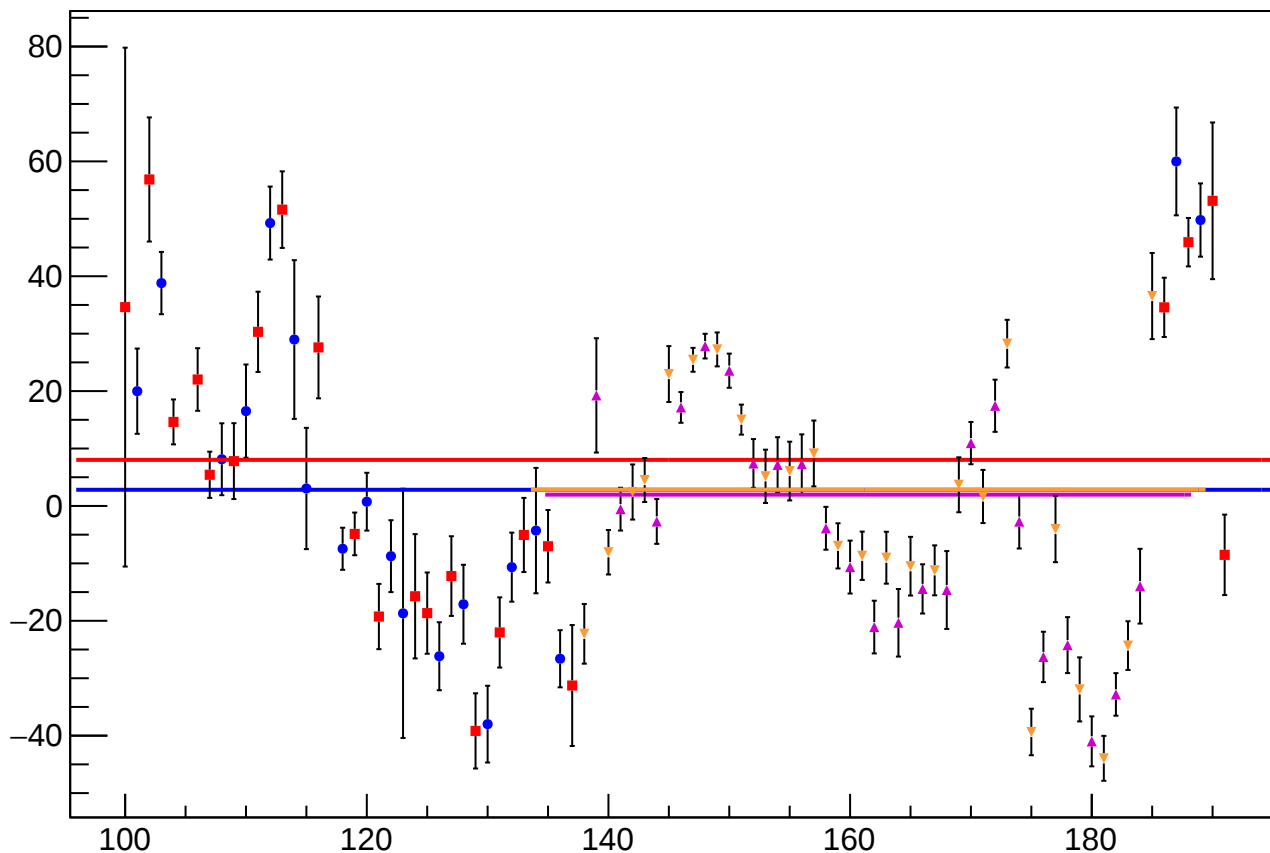
Left In: -221.483 ± 1.102 $\chi^2/\text{NDF}: 2149.8/22$

+ sign -232.500 ± 1.048 $\chi^2/\text{NDF}: 4139.0/26$

All: -239.412 ± 0.720 $\chi^2/\text{NDF}: 12903.2/53$

- sign -245.588 ± 0.991 $\chi^2/\text{NDF}: 8681.9/26$

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: 8.027 ± 1.261 $\chi^2/\text{NDF}: 374.7/22$

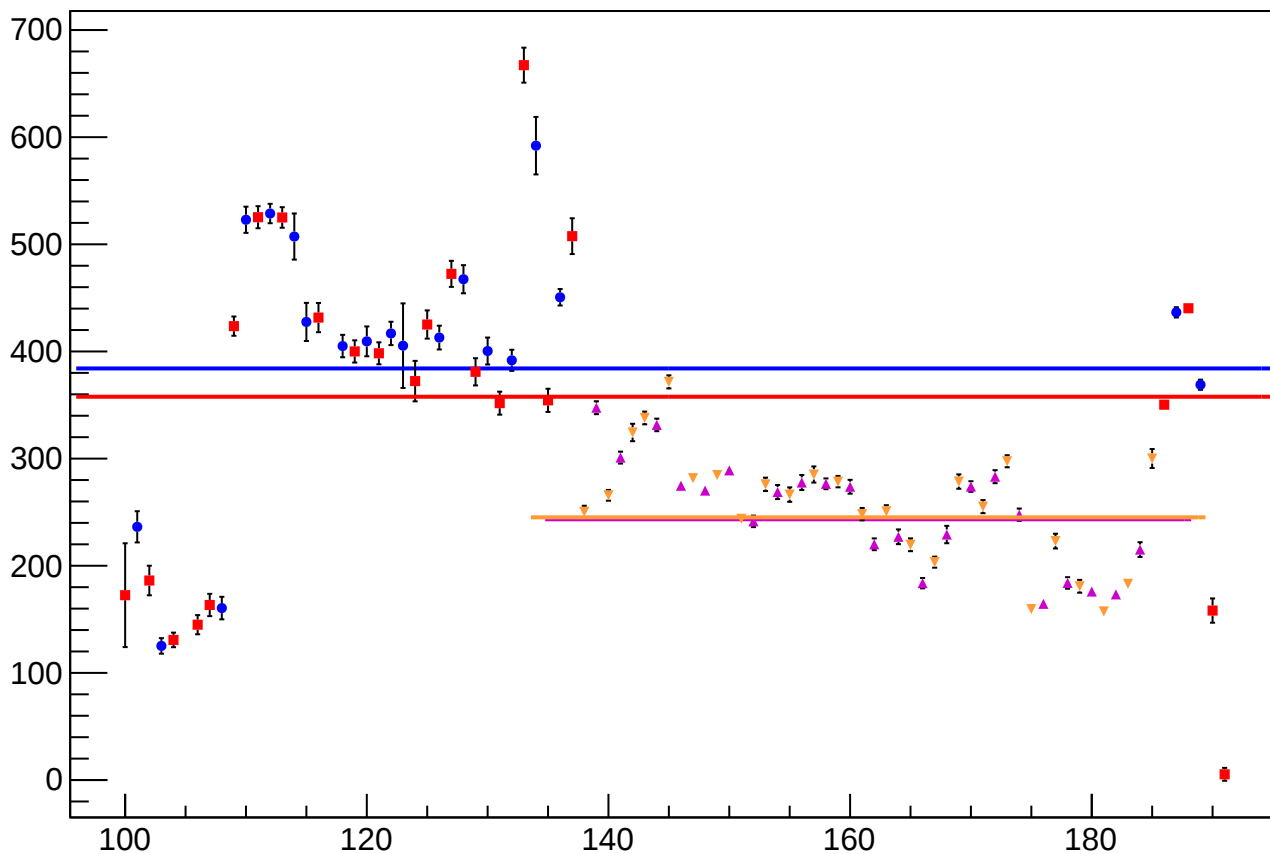
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 2.829 ± 0.708 $\chi^2/\text{NDF}: 1010.8/43$

All: 3.330 ± 0.496 $\chi^2/\text{NDF}: 1991.6/89$

- sign 3.815 ± 0.696 $\chi^2/\text{NDF}: 979.8/45$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 384.145 ± 2.147 $\chi^2/\text{NDF}: 2579.9/18$

Left Out: 245.179 ± 1.082 $\chi^2/\text{NDF}: 2597.4/24$

Right Out: 357.754 ± 1.501 $\chi^2/\text{NDF}: 8309.0/22$

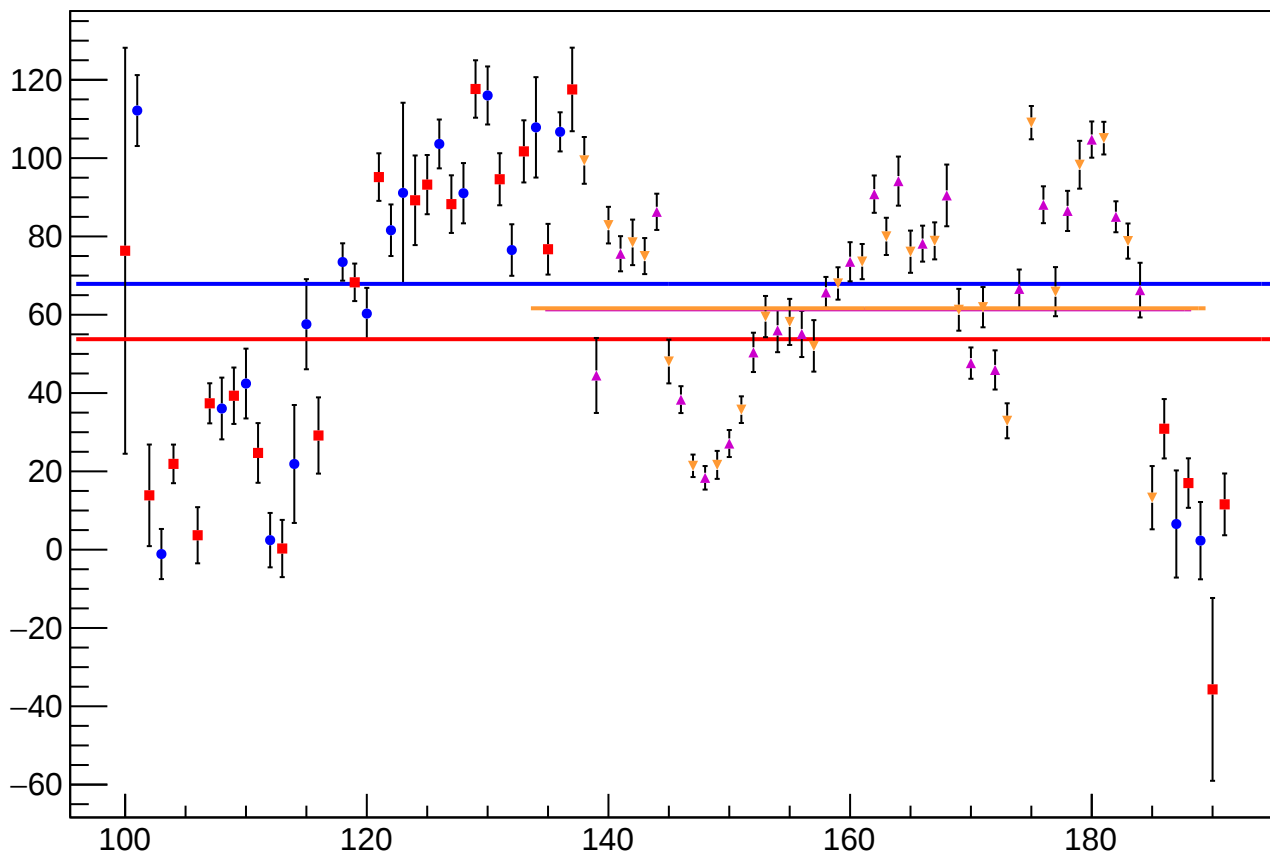
Left In: 243.366 ± 1.094 $\chi^2/\text{NDF}: 2236.7/22$

+ sign 273.327 ± 0.966 $\chi^2/\text{NDF}: 8518.3/43$

All: 278.617 ± 0.652 $\chi^2/\text{NDF}: 22913.8/89$

- sign 283.044 ± 0.884 $\chi^2/\text{NDF}: 14340.5/45$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 67.883 $\pm$ 1.726 χ^2/NDF : 491.4/18

Left Out: 61.647 $\pm$ 0.936 χ^2/NDF : 871.5/24

Right Out: 53.758 $\pm$ 1.516 χ^2/NDF : 588.0/22

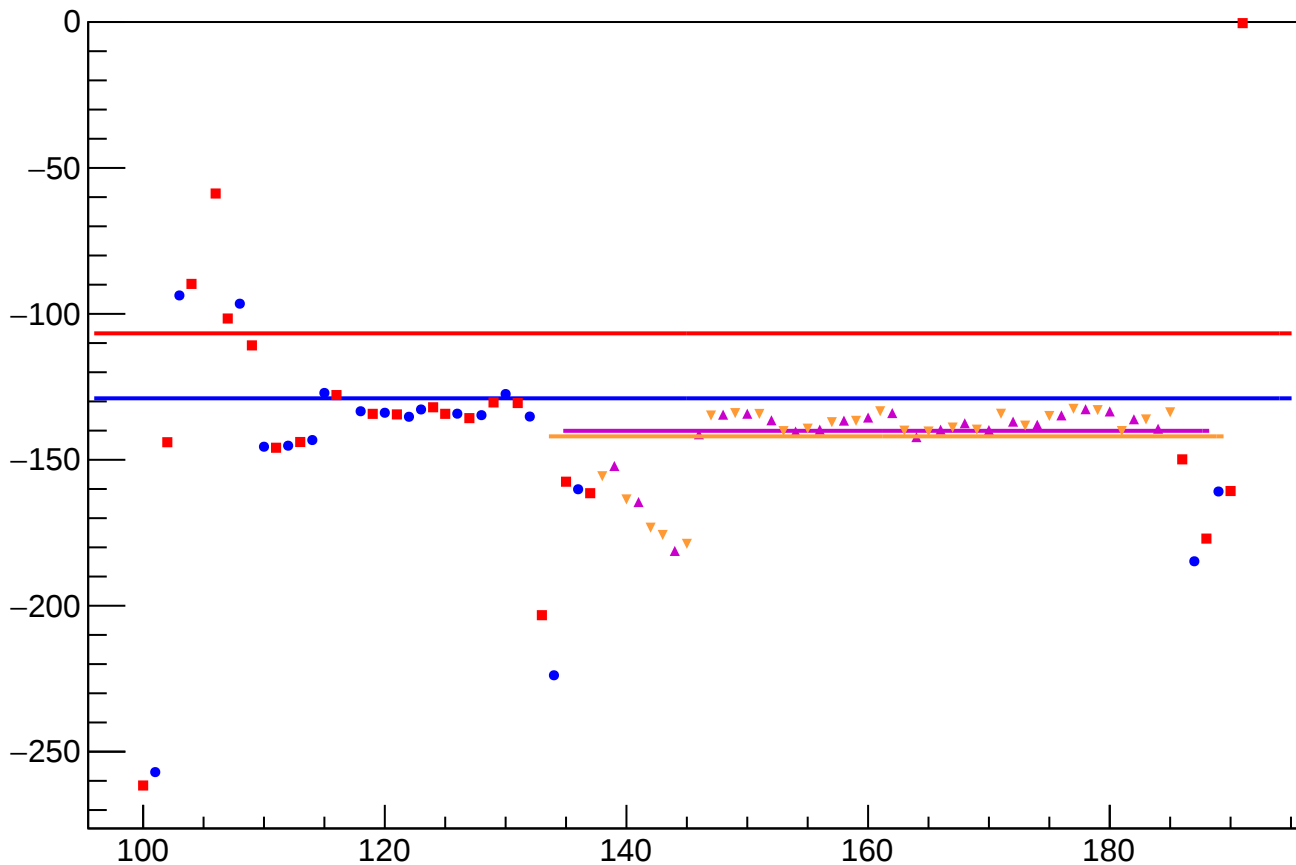
Left In: 61.375 $\pm$ 0.961 χ^2/NDF : 699.7/22

+ sign 63.064 $\pm$ 0.823 χ^2/NDF : 1373.1/43

All: 61.101 $\pm$ 0.578 χ^2/NDF : 2689.9/89

- sign 59.192 $\pm$ 0.812 χ^2/NDF : 1305.7/45

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: -106.675 $\pm$ 0.074 χ^2 /NDF: 478747.3/22

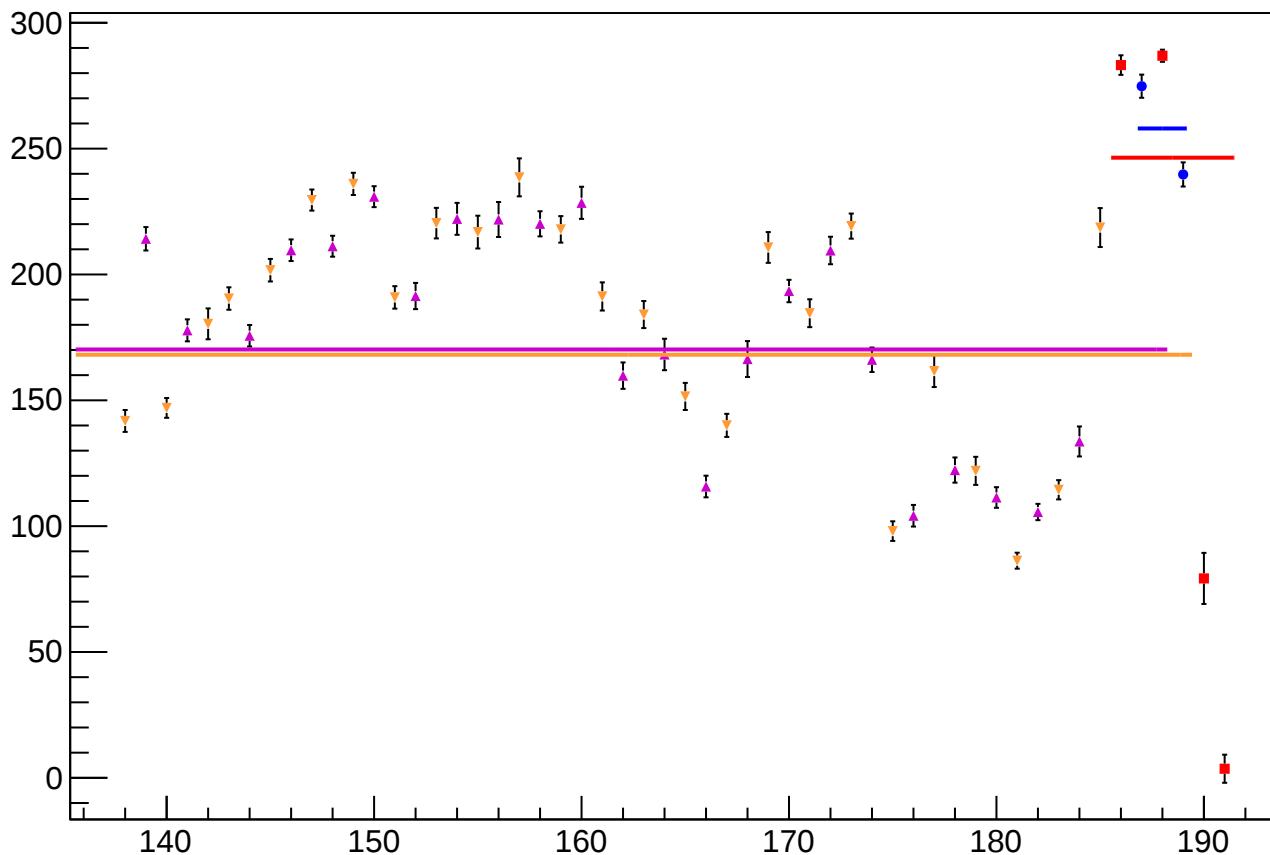
Left In: -140.068 $\pm$ 0.045 χ^2 /NDF: 48030.7/22

+ sign -139.282 $\pm$ 0.040 χ^2 /NDF: 274980.3/43

All: -135.064 $\pm$ 0.028 χ^2 /NDF: 970967.1/89

- sign -131.122 $\pm$ 0.039 χ^2 /NDF: 674289.4/45

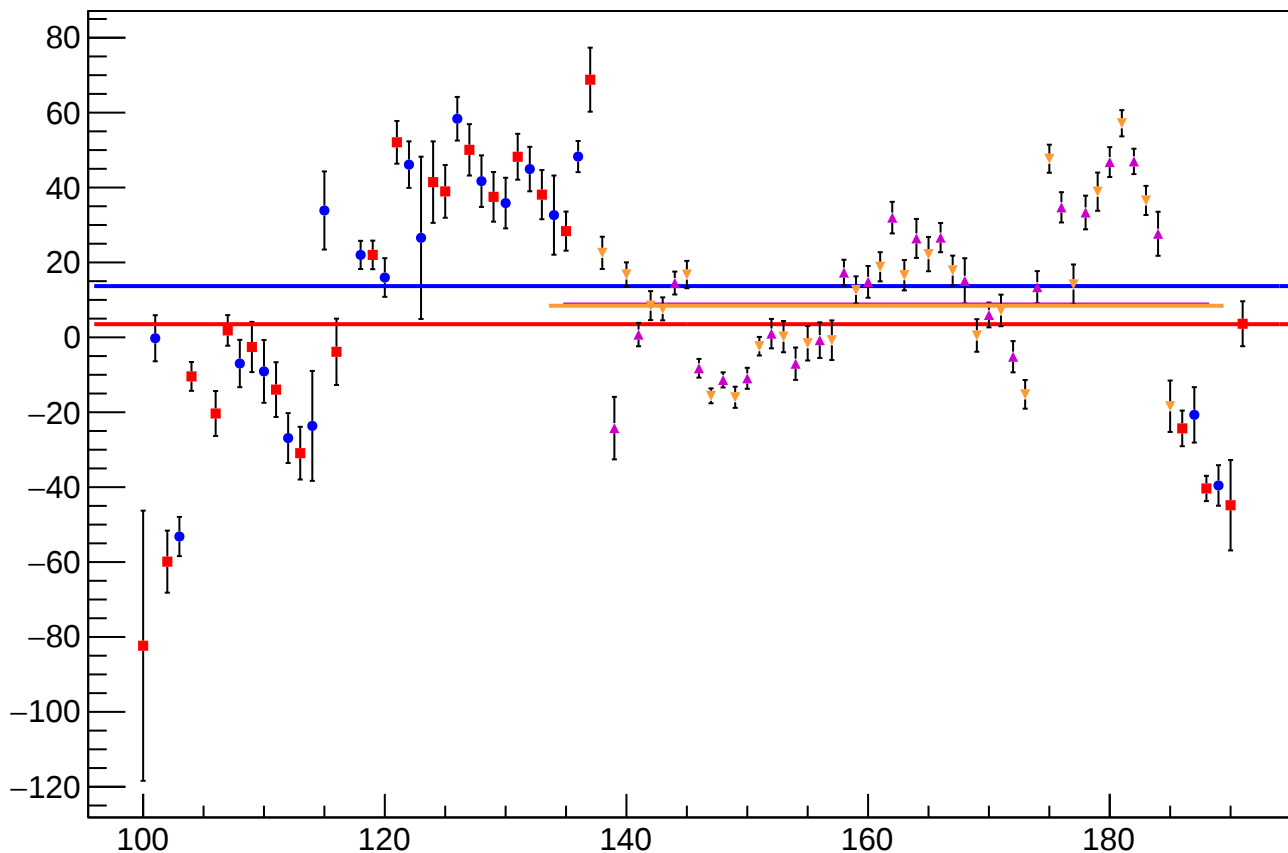
reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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: 246.407 $\pm$ 1.889 χ^2 /NDF: 2533.5/3
 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: 181.287 $\pm$ 0.640 χ^2 /NDF: 9084.5/53
 - sign 186.753 $\pm$ 0.881 χ^2 /NDF: 5831.3/26

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 13.684 ± 1.421 $\chi^2/\text{NDF}: 571.3/18$

Left Out: 8.436 ± 0.728 $\chi^2/\text{NDF}: 752.0/24$

Right Out: 3.517 ± 1.210 $\chi^2/\text{NDF}: 712.0/22$

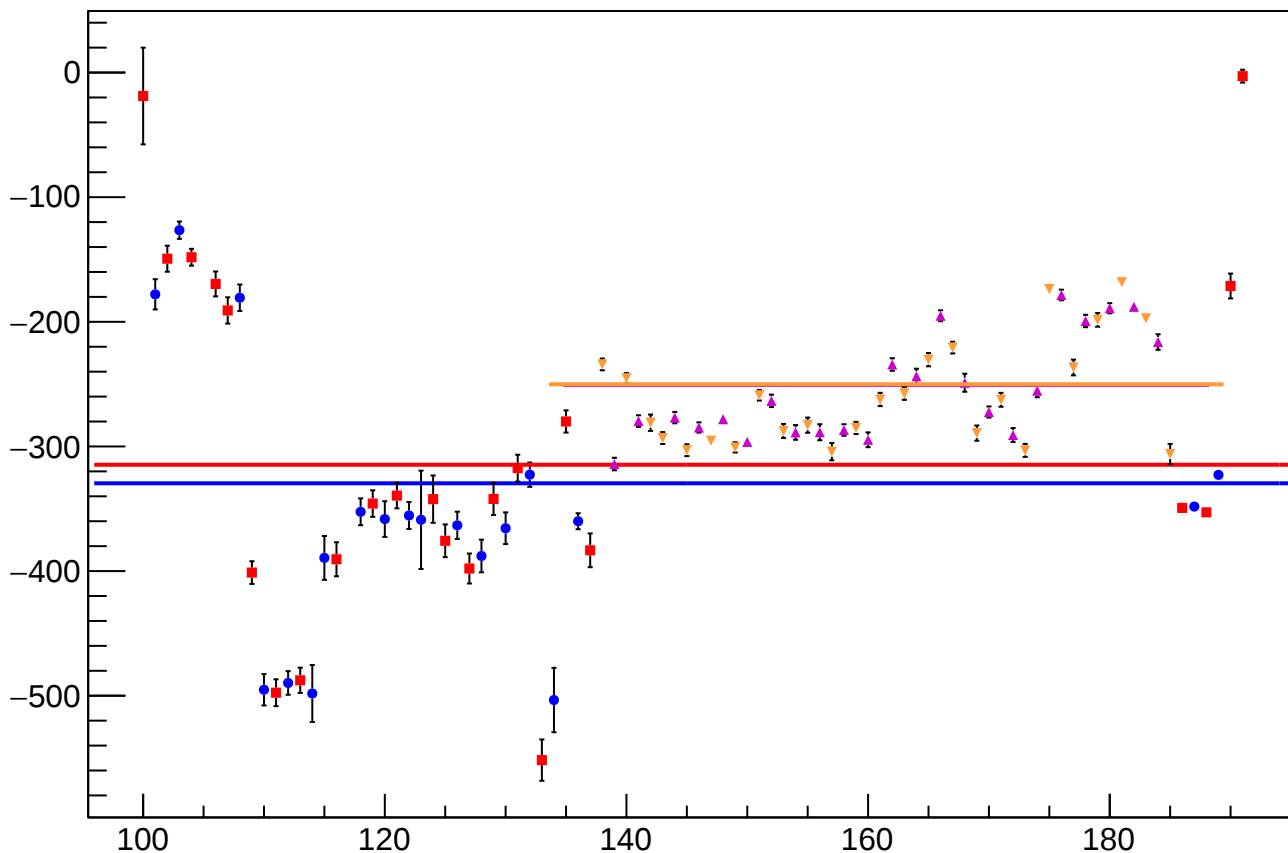
Left In: 8.769 ± 0.758 $\chi^2/\text{NDF}: 626.8/22$

+ sign 9.527 ± 0.648 $\chi^2/\text{NDF}: 1334.2/43$

All: 8.397 ± 0.456 $\chi^2/\text{NDF}: 2692.6/89$

- sign 7.287 ± 0.642 $\chi^2/\text{NDF}: 1352.4/45$

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: -314.676 ± 1.318 $\chi^2/\text{NDF}: 6657.7/22$

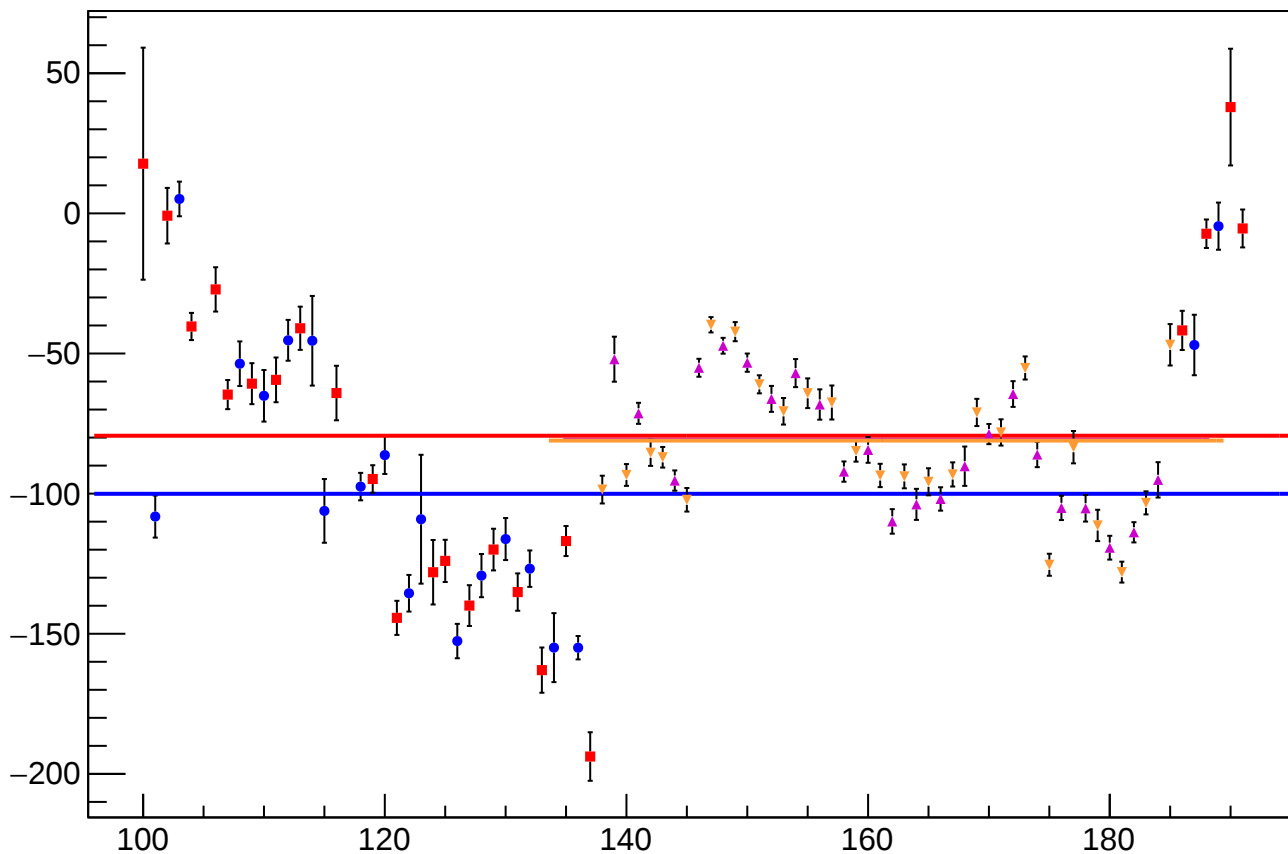
Left In: -250.628 ± 0.990 $\chi^2/\text{NDF}: 1937.1/22$

+ sign -266.357 ± 0.867 $\chi^2/\text{NDF}: 5491.1/43$

All: -270.381 ± 0.585 $\chi^2/\text{NDF}: 15634.3/89$

- sign -273.736 ± 0.792 $\chi^2/\text{NDF}: 10103.7/45$

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: -79.343 ± 1.462 χ^2/NDF : 1283.3/22

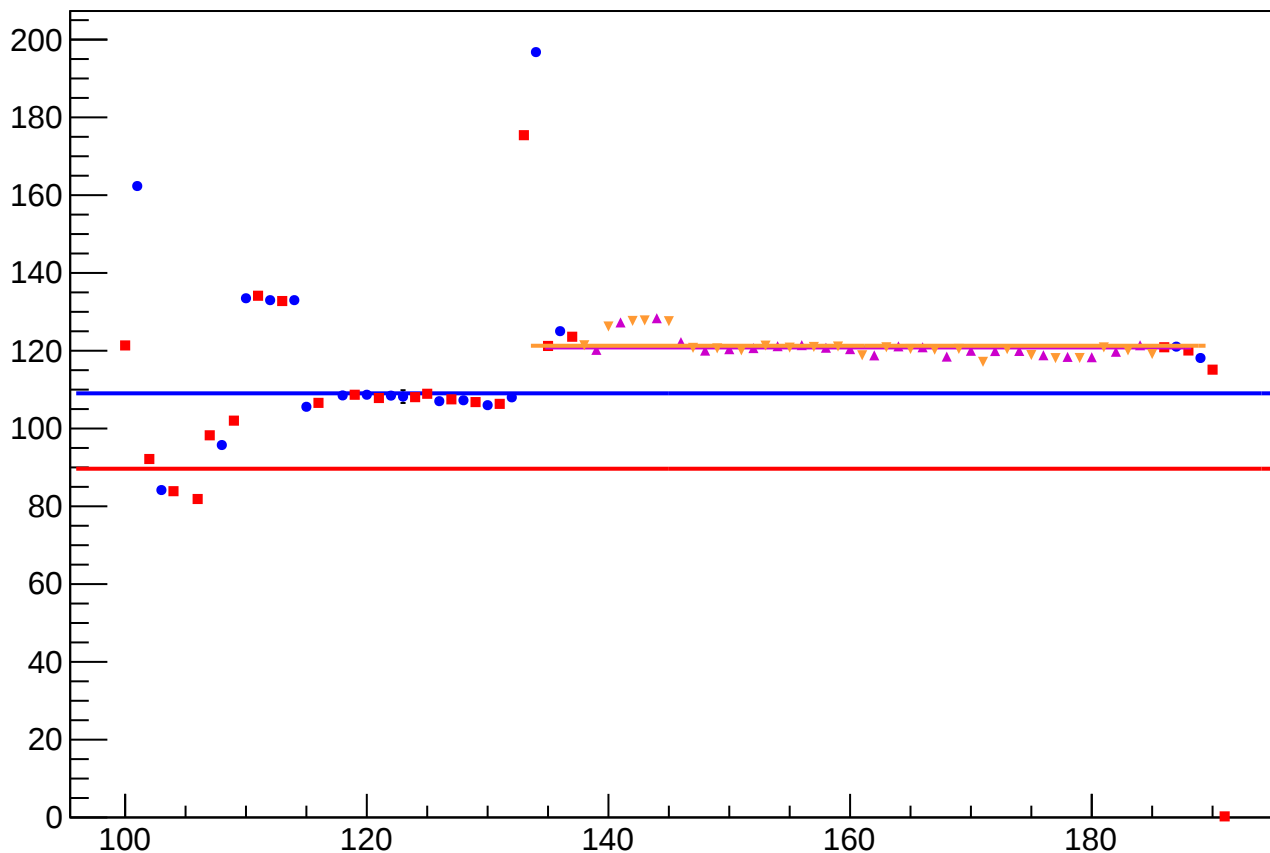
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -84.951 ± 0.752 χ^2/NDF : 1914.5/43

All: -82.688 ± 0.531 χ^2/NDF : 3909.7/89

- sign -80.443 ± 0.749 χ^2/NDF : 1977.1/45

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: 89.662 $\pm$ 0.070 χ^2 /NDF: 329389.4/22

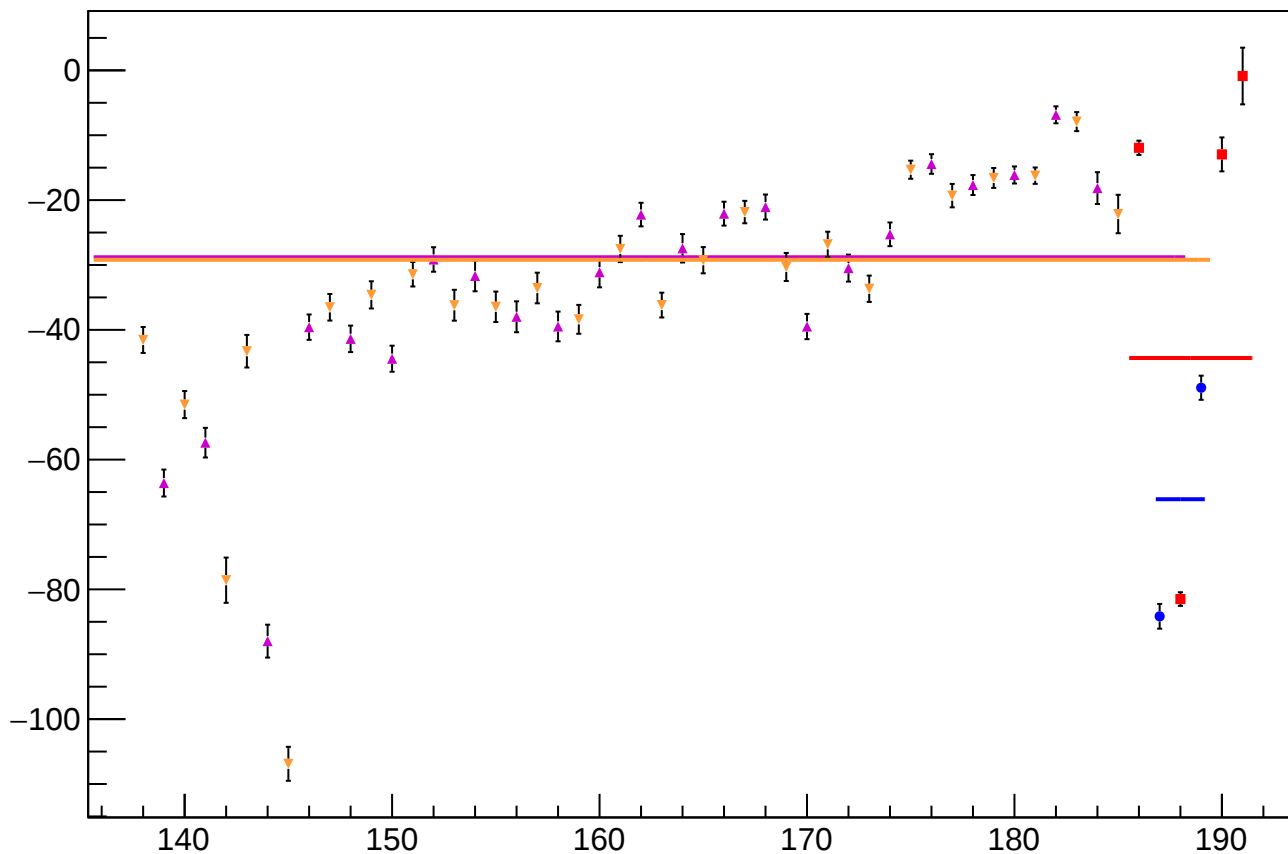
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.951 $\pm$ 0.036 χ^2 /NDF: 96834.0/43

All: 115.848 $\pm$ 0.025 χ^2 /NDF: 593493.8/89

- sign 112.905 $\pm$ 0.035 χ^2 /NDF: 482241.8/45

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: -44.339 ± 0.719 χ^2/NDF : 2367.6/3

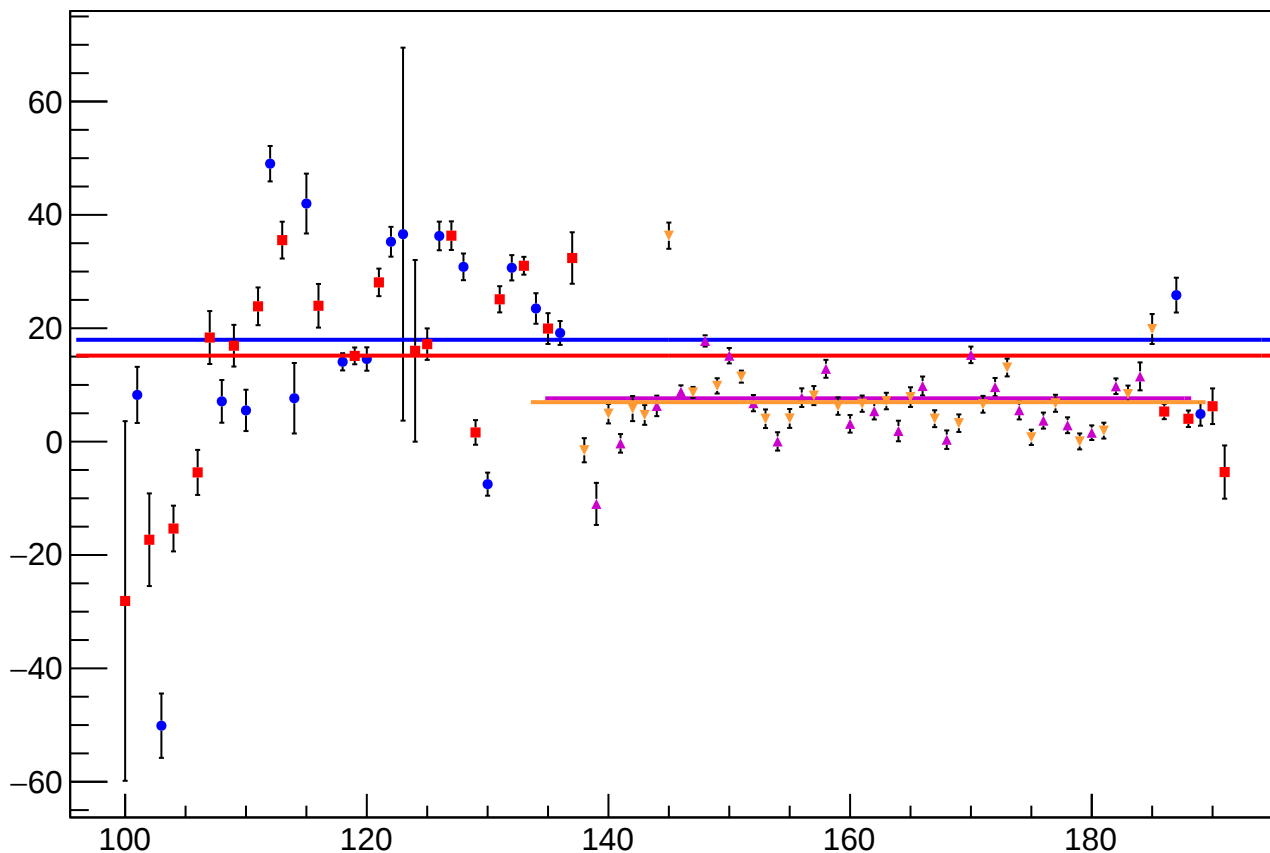
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -32.097 ± 0.373 χ^2/NDF : 2765.1/26

All: -32.269 ± 0.254 χ^2/NDF : 7255.4/53

- sign -32.417 ± 0.346 χ^2/NDF : 4489.9/26

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 17.965 $\pm$ 0.611 χ^2 /NDF: 665.2/18

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF:321.3/24

Right Out: 15.171 $\pm$ 0.528 χ^2 /NDF: 568.9/22

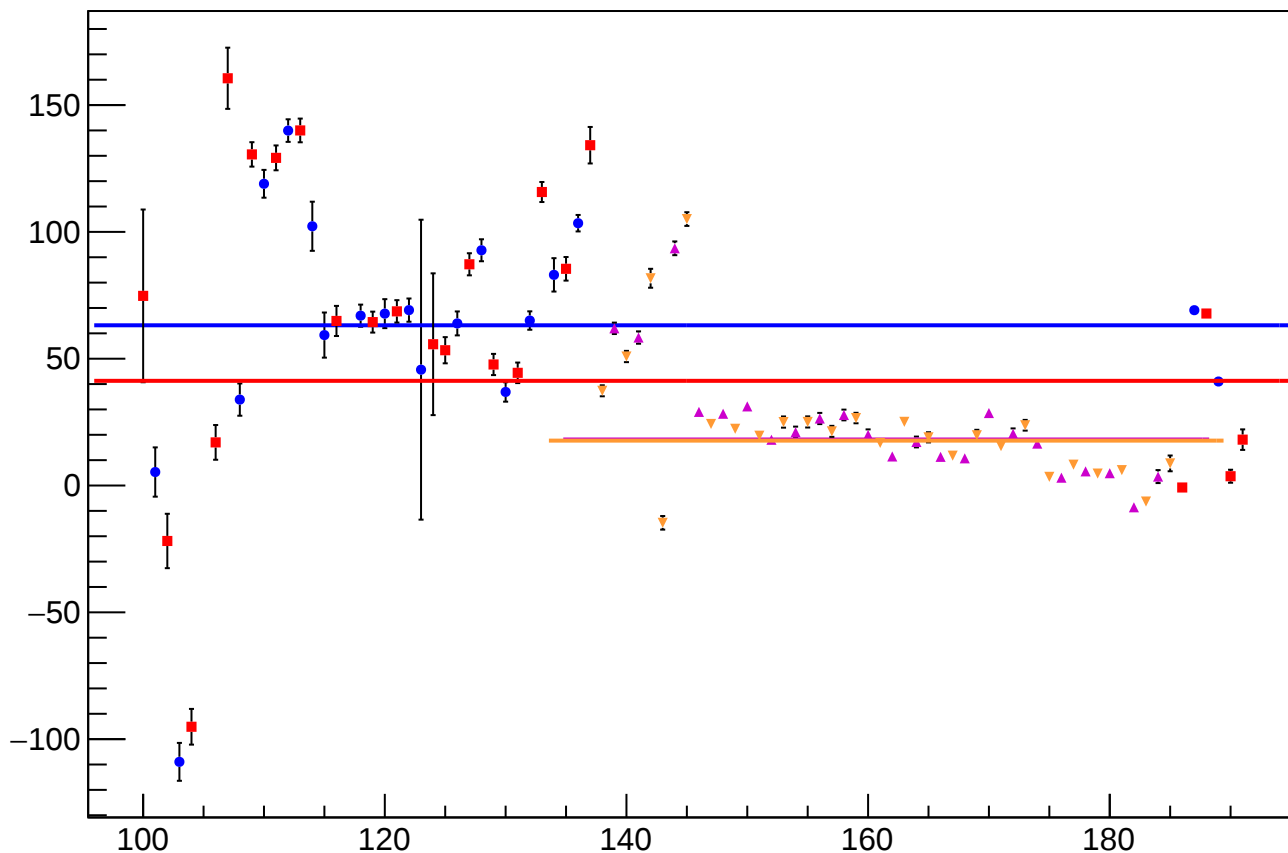
Left In: 7.638 $\pm$ 0.313 χ^2 /NDF:337.7/22

+ sign 9.132 $\pm$ 0.271 χ^2 /NDF: 1246.9/43

All: 9.368 $\pm$ 0.191 χ^2 /NDF: 2305.5/89

- sign 9.601 $\pm$ 0.270 χ^2 /NDF: 1057.1/45

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: 41.276 $\pm$ 0.529 χ^2 /NDF: 5980.5/22

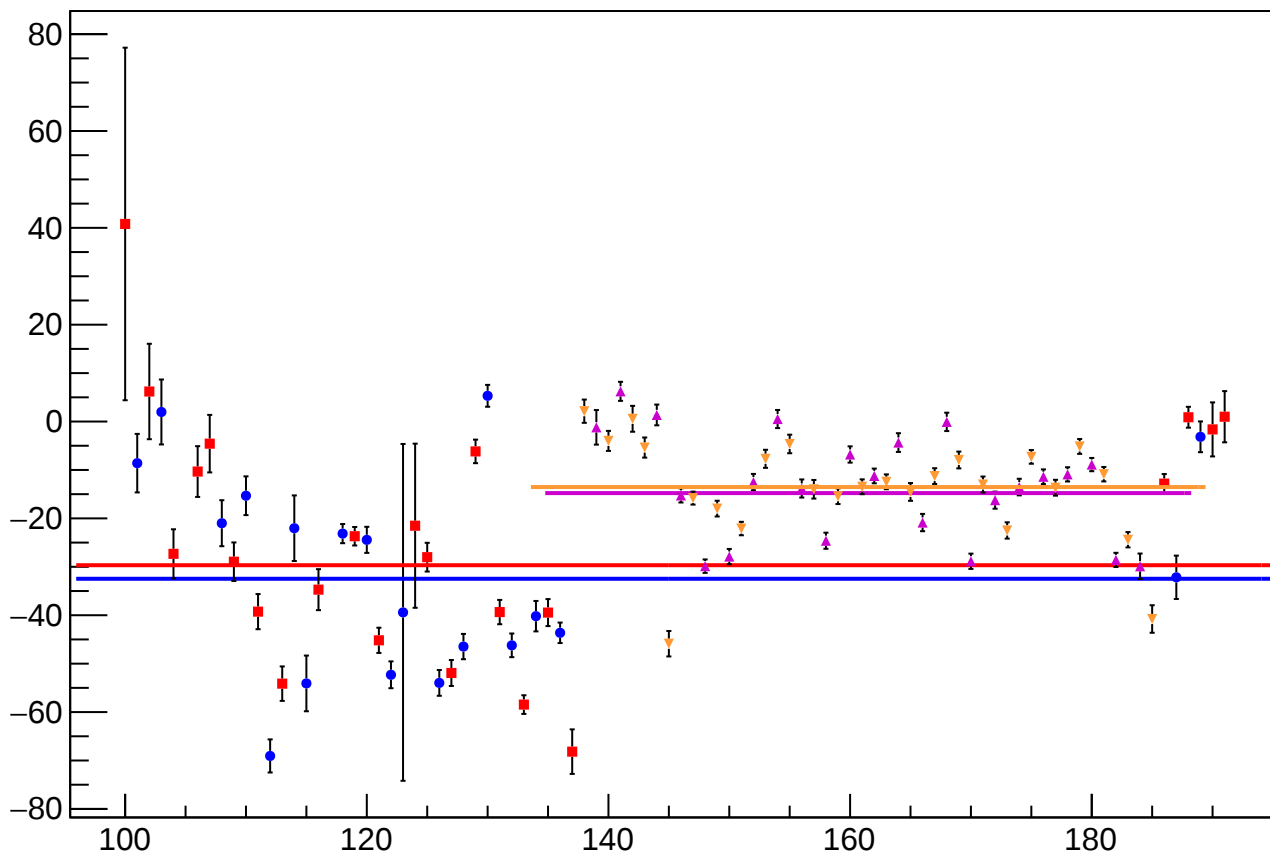
Left In: 18.150 $\pm$ 0.393 χ^2 /NDF:2339.4/22

+ sign 25.888 $\pm$ 0.351 χ^2 /NDF: 6391.7/43

All: 26.154 $\pm$ 0.234 χ^2 /NDF: 15945.8/89

- sign 26.368 $\pm$ 0.315 χ^2 /NDF: 9553.0/45

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: -29.671 ± 0.648 χ^2/NDF : 965.3/22

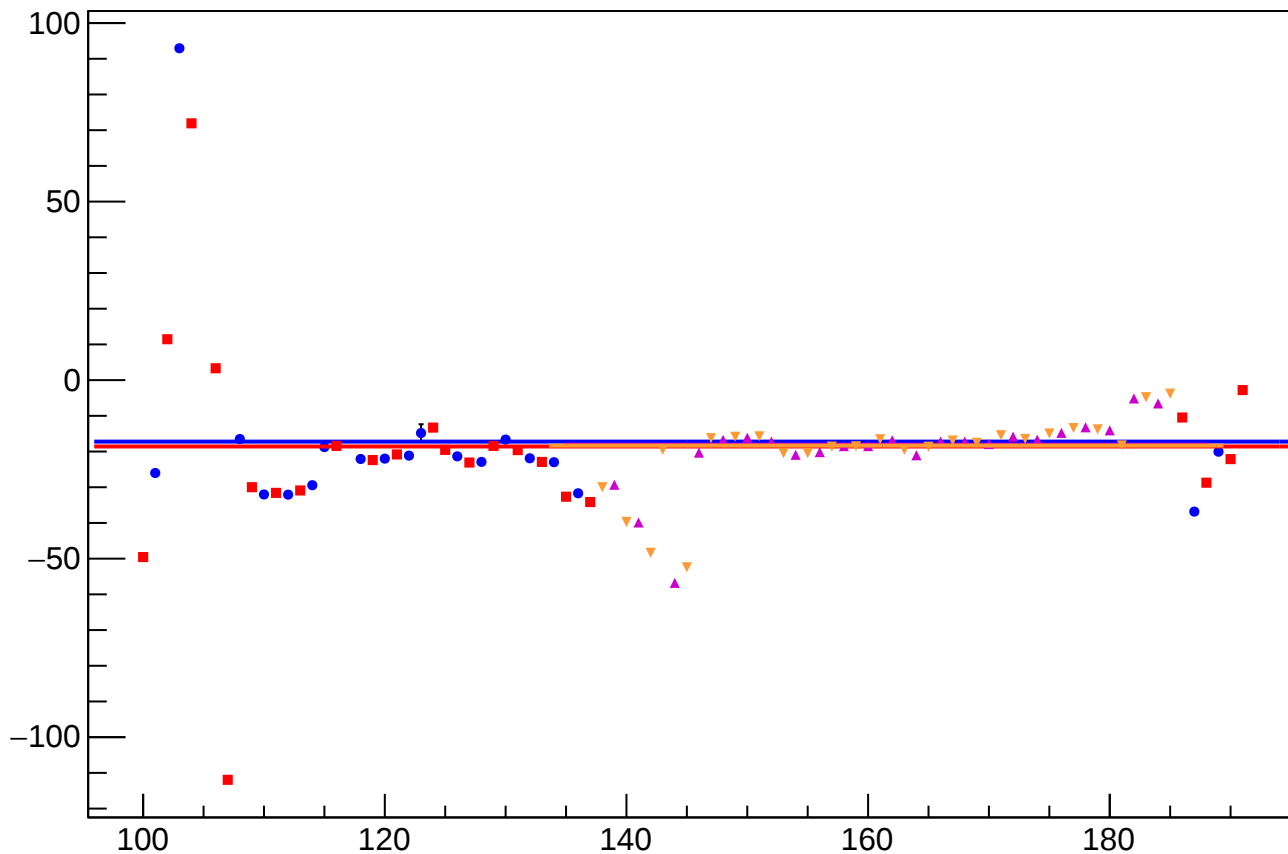
Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

+ sign -17.075 ± 0.310 χ^2/NDF : 1944.7/43

All: -17.636 ± 0.220 χ^2/NDF : 4160.8/89

- sign -18.199 ± 0.311 χ^2/NDF : 2209.6/45

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: -18.583 ± 0.038 $\chi^2/\text{NDF}: 458563.4/22$

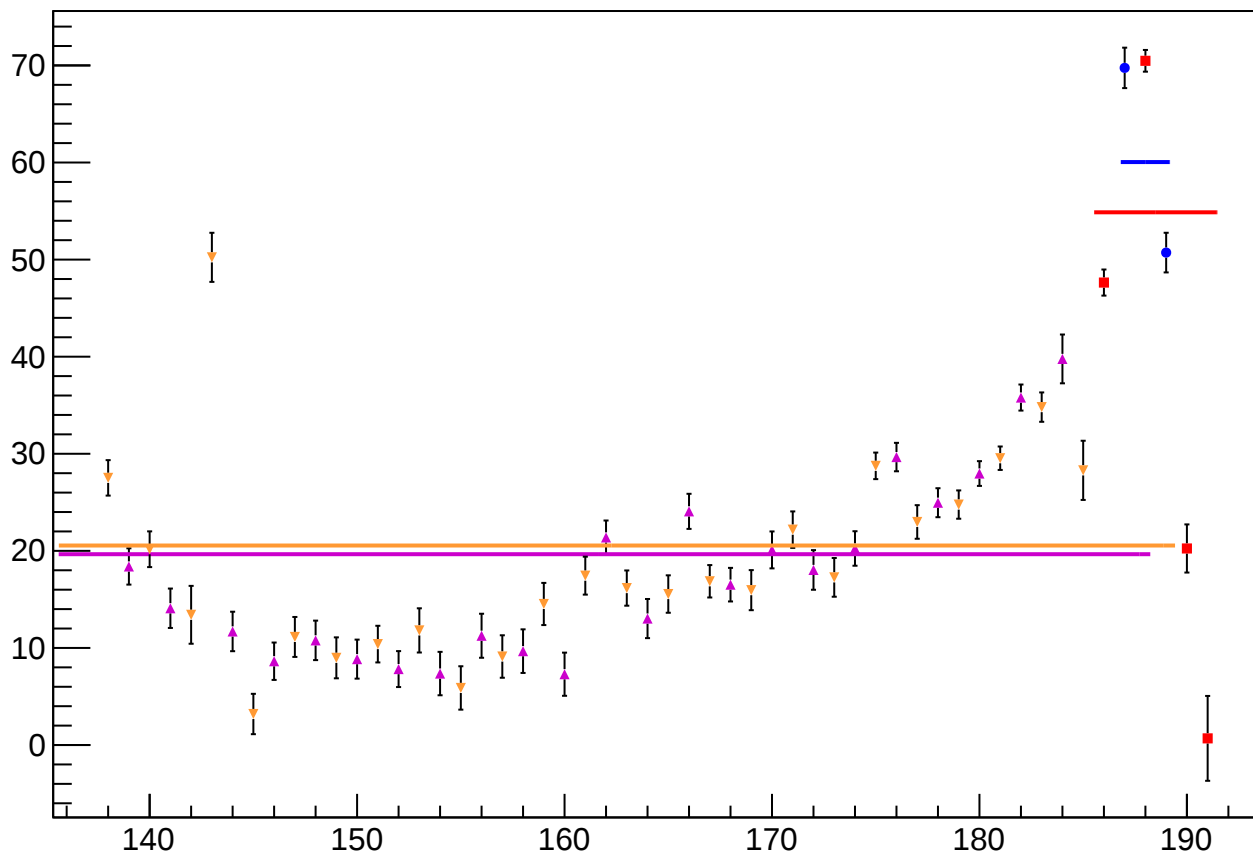
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.196 ± 0.015 $\chi^2/\text{NDF}: 765684.8/43$

All: -18.178 ± 0.010 $\chi^2/\text{NDF}: 1466349.4/89$

- sign -18.160 ± 0.015 $\chi^2/\text{NDF}: 700661.8/45$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 60.046 $\pm$ 1.458 χ^2 /NDF: 42.6/1

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 54.871 $\pm$ 0.798 χ^2 /NDF: 572.4/3

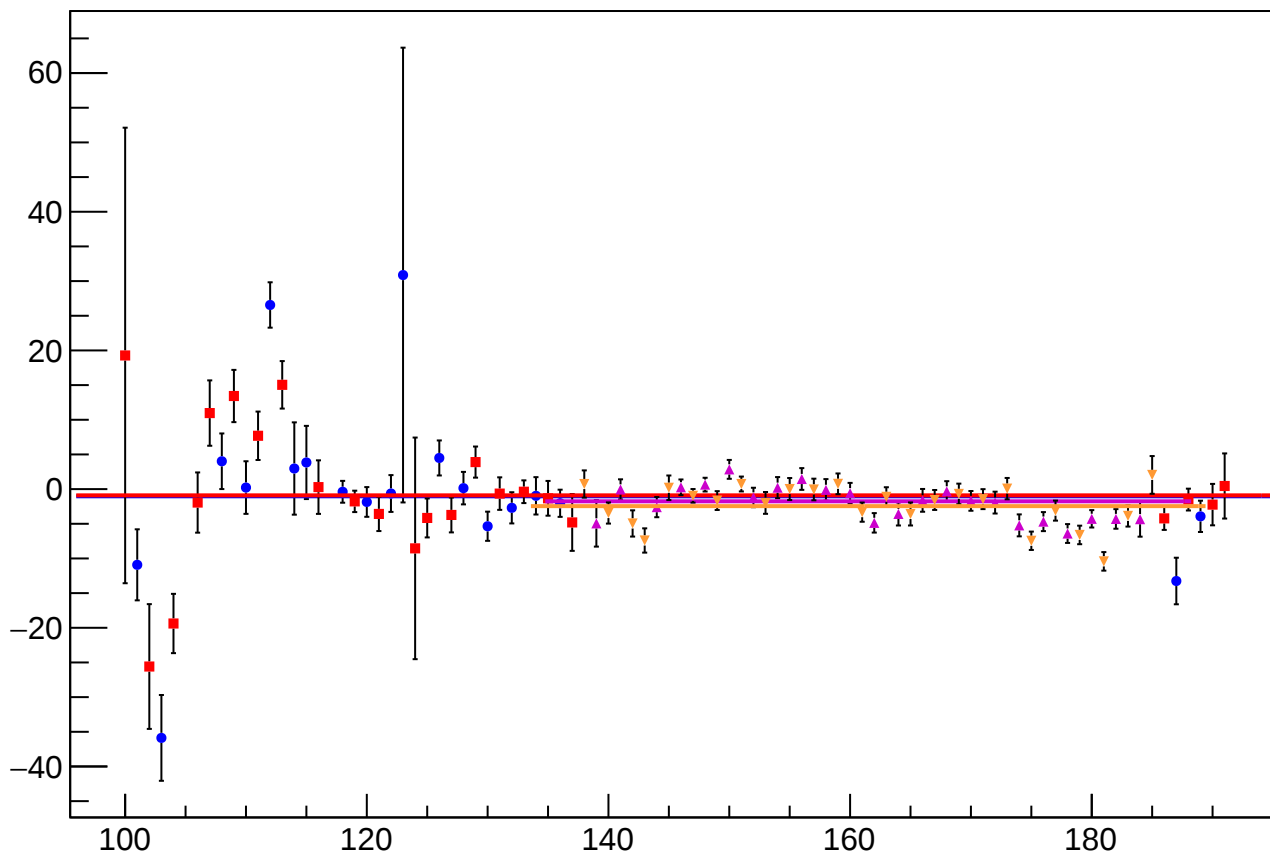
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 22.978 $\pm$ 0.361 χ^2 /NDF: 1357.7/26

All: 24.656 $\pm$ 0.249 χ^2 /NDF: 4128.5/53

- sign 26.171 $\pm$ 0.343 χ^2 /NDF: 2729.7/26

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: -0.900 ± 0.556 χ^2/NDF : 89.6/22

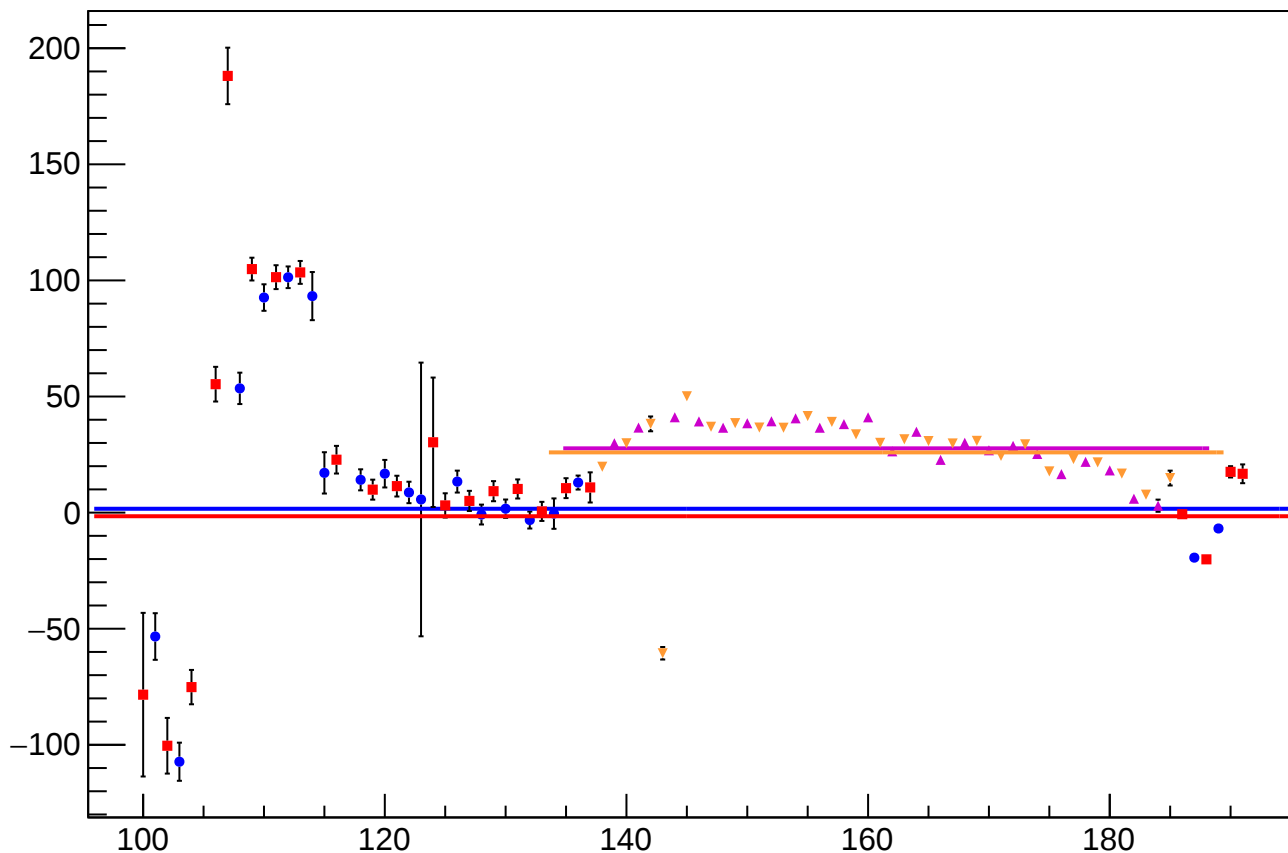
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.200 ± 0.265 χ^2/NDF : 245.9/43

All: -1.882 ± 0.187 χ^2/NDF : 407.7/89

- sign -1.562 ± 0.265 χ^2/NDF : 158.9/45

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: -1.558 ± 0.580 χ^2/NDF : 2368.1/22

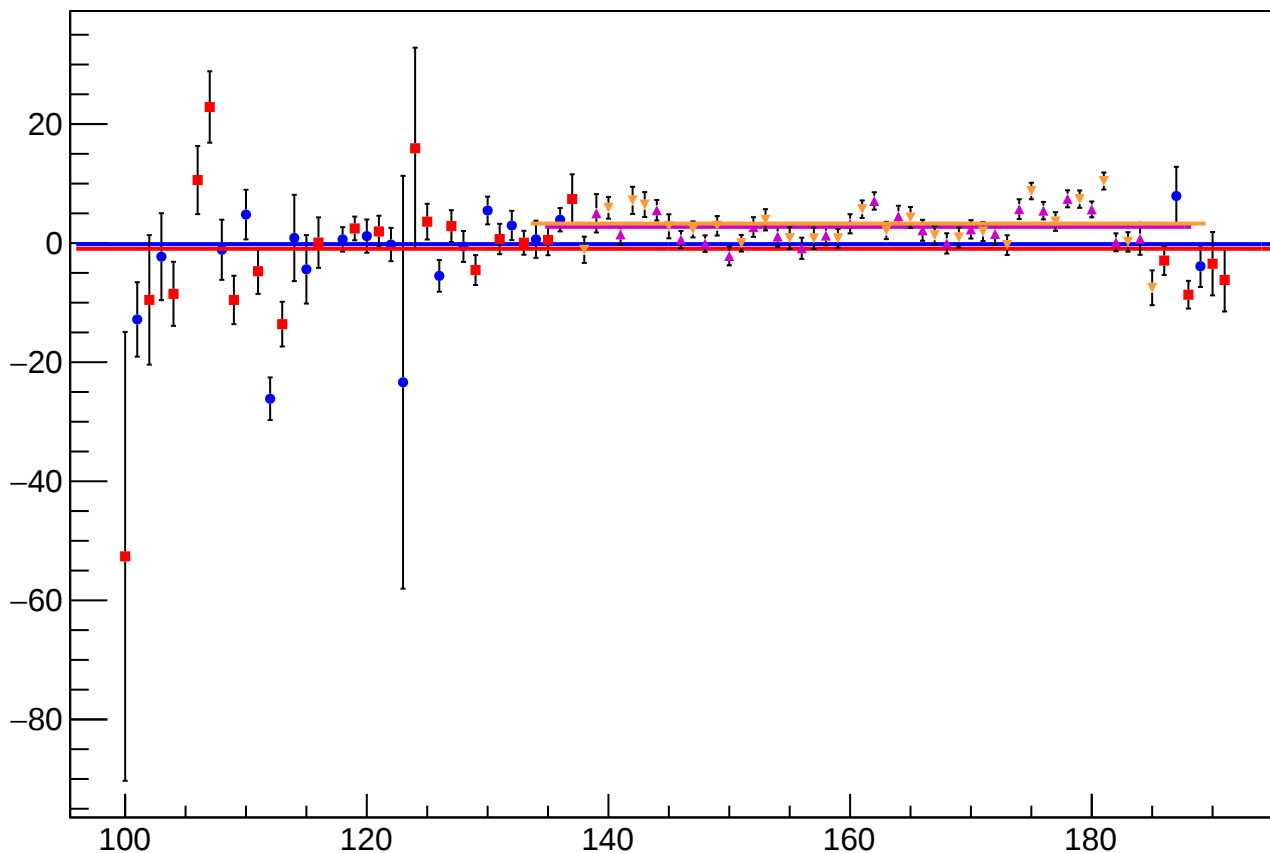
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 22.204 ± 0.343 χ^2/NDF : 3636.3/43

All: 20.458 ± 0.233 χ^2/NDF : 8637.2/89

- sign 18.964 ± 0.317 χ^2/NDF : 4952.7/45

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: -0.943 ± 0.674 χ^2/NDF : 70.6/22

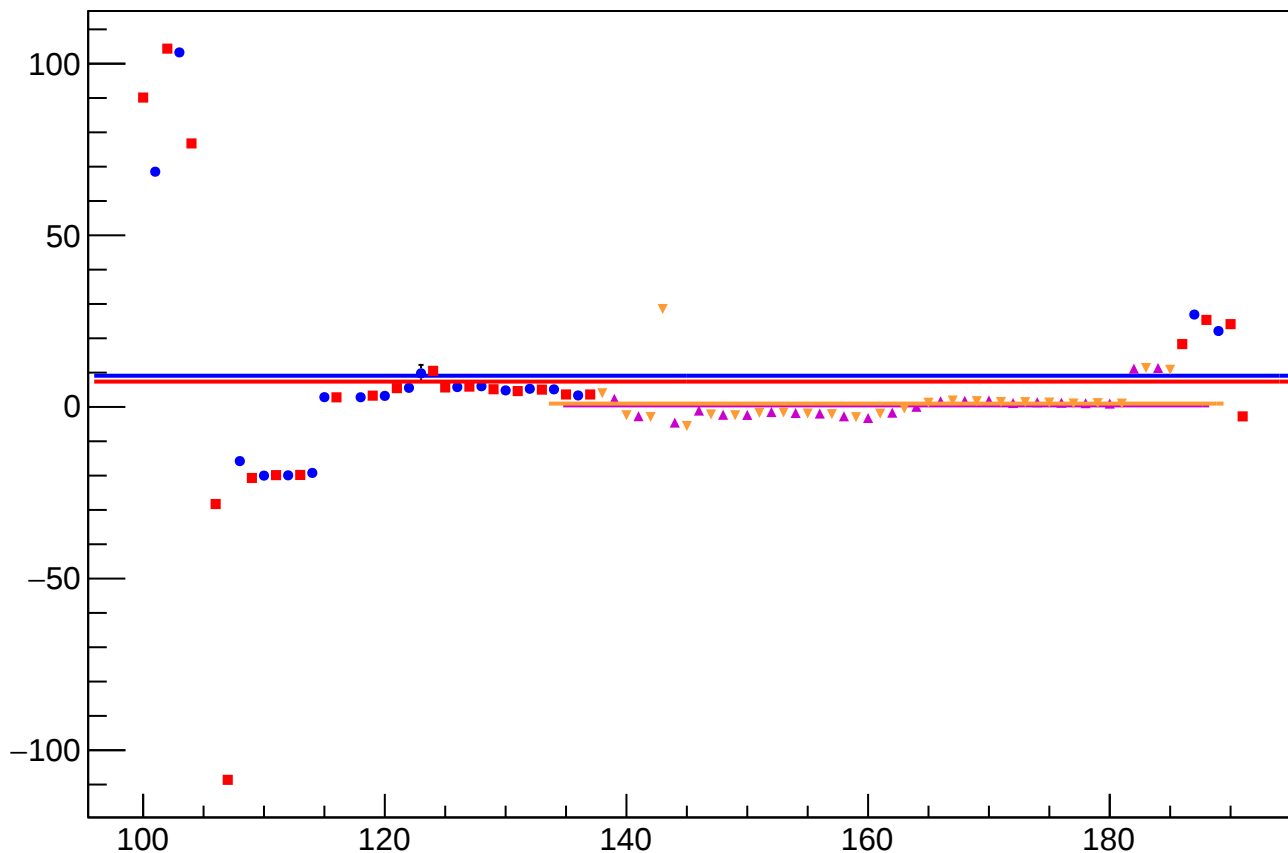
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.691 ± 0.302 χ^2/NDF : 200.4/43

All: 2.342 ± 0.214 χ^2/NDF : 361.9/89

- sign 1.987 ± 0.304 χ^2/NDF : 158.9/45

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: 7.387 ± 0.039 $\chi^2/\text{NDF}: 561571.5/22$

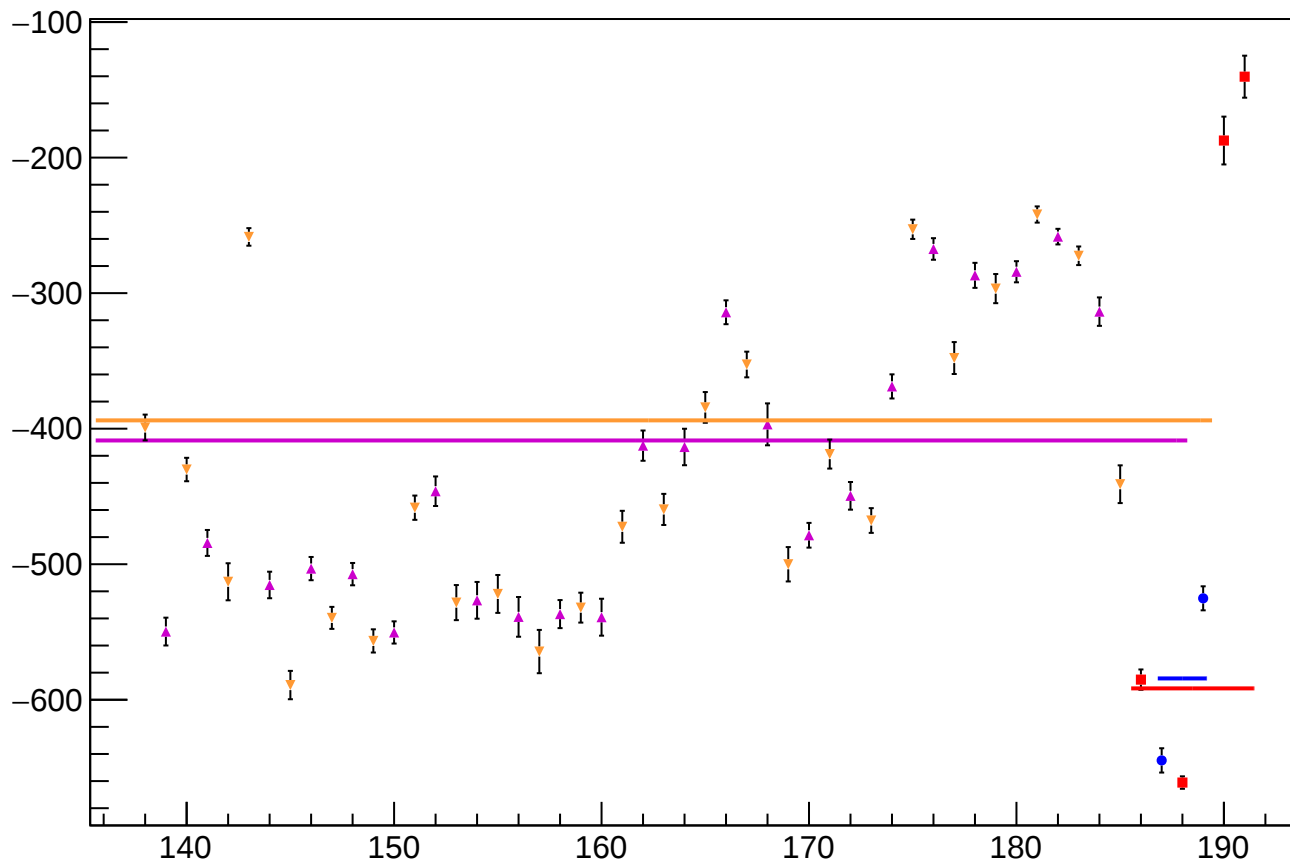
Left In: 0.451 ± 0.015 $\chi^2/\text{NDF}: 50699.8/22$

+ sign 1.904 ± 0.014 $\chi^2/\text{NDF}: 518526.7/43$

All: 1.657 ± 0.010 $\chi^2/\text{NDF}: 1159284.4/89$

- sign 1.409 ± 0.014 $\chi^2/\text{NDF}: 640158.6/45$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -584.264+/-6.302 χ^2/NDF : 90.0/1

Left Out: -393.871+/-1.897 χ^2/NDF : 3772.8/24

Right Out: -591.611+/-3.713 χ^2/NDF : 1602.2/3

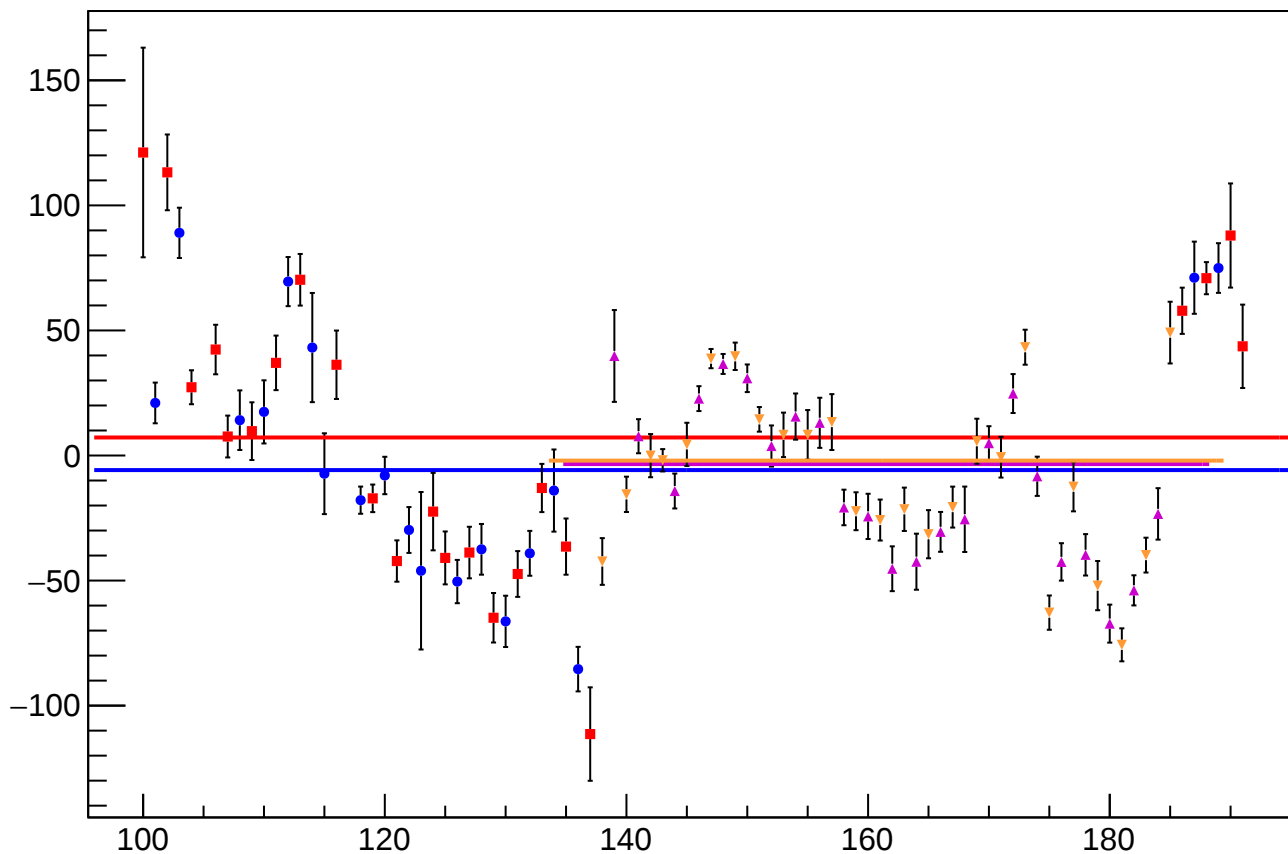
Left In: -408.696+/-1.979 χ^2/NDF : 3062.9/22

+ sign -409.688+/-1.817 χ^2/NDF : 4699.6/26

All: -430.205+/-1.259 χ^2/NDF : 11500.5/53

- sign -449.169+/-1.746 χ^2/NDF : 6555.4/26

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -5.828 ± 2.261 $\chi^2/\text{NDF}: 443.0/18$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 7.204 ± 2.052 $\chi^2/\text{NDF}: 523.2/22$

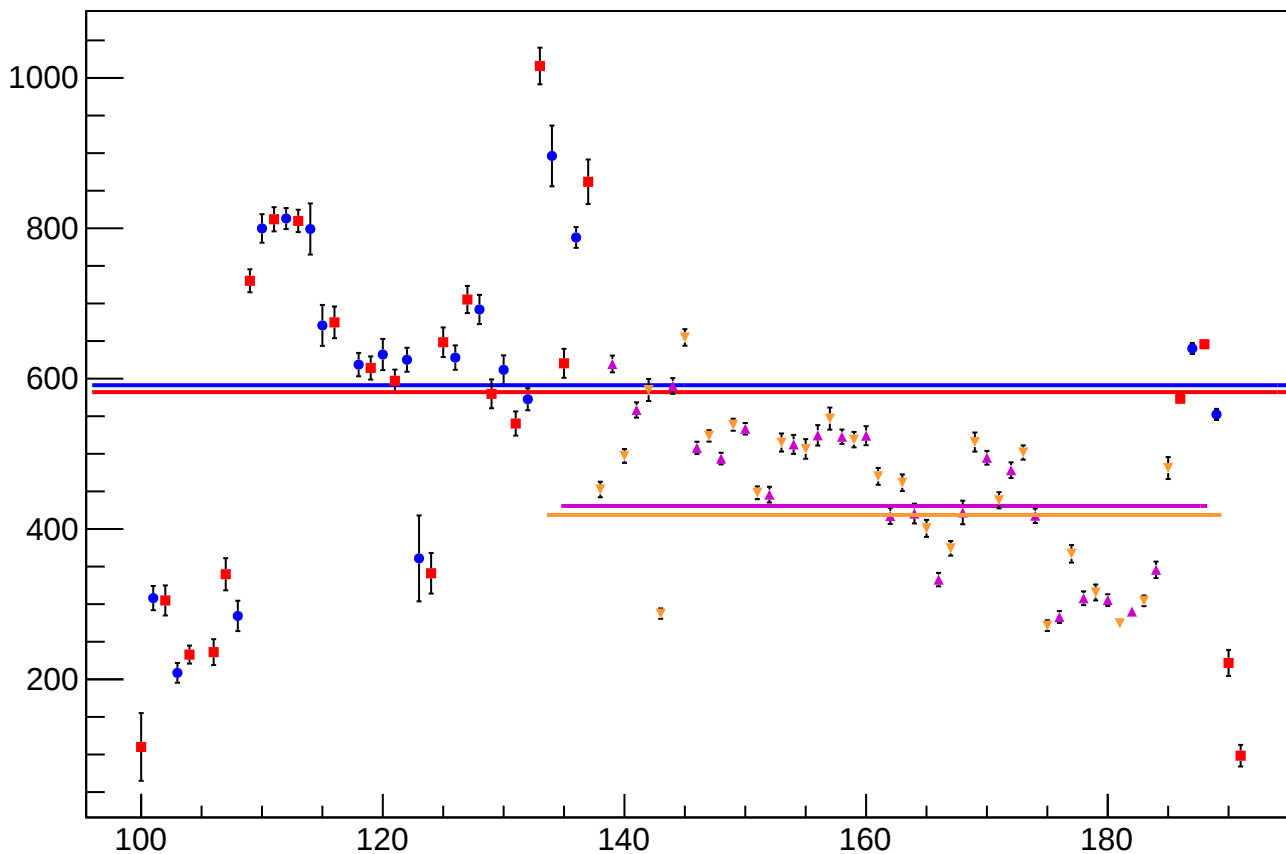
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign -3.114 ± 1.205 $\chi^2/\text{NDF}: 1008.8/43$

All: -1.408 ± 0.858 $\chi^2/\text{NDF}: 2004.4/89$

- sign 0.344 ± 1.222 $\chi^2/\text{NDF}: 991.5/45$

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: 582.048 ± 2.441 χ^2/NDF : 4664.3/22

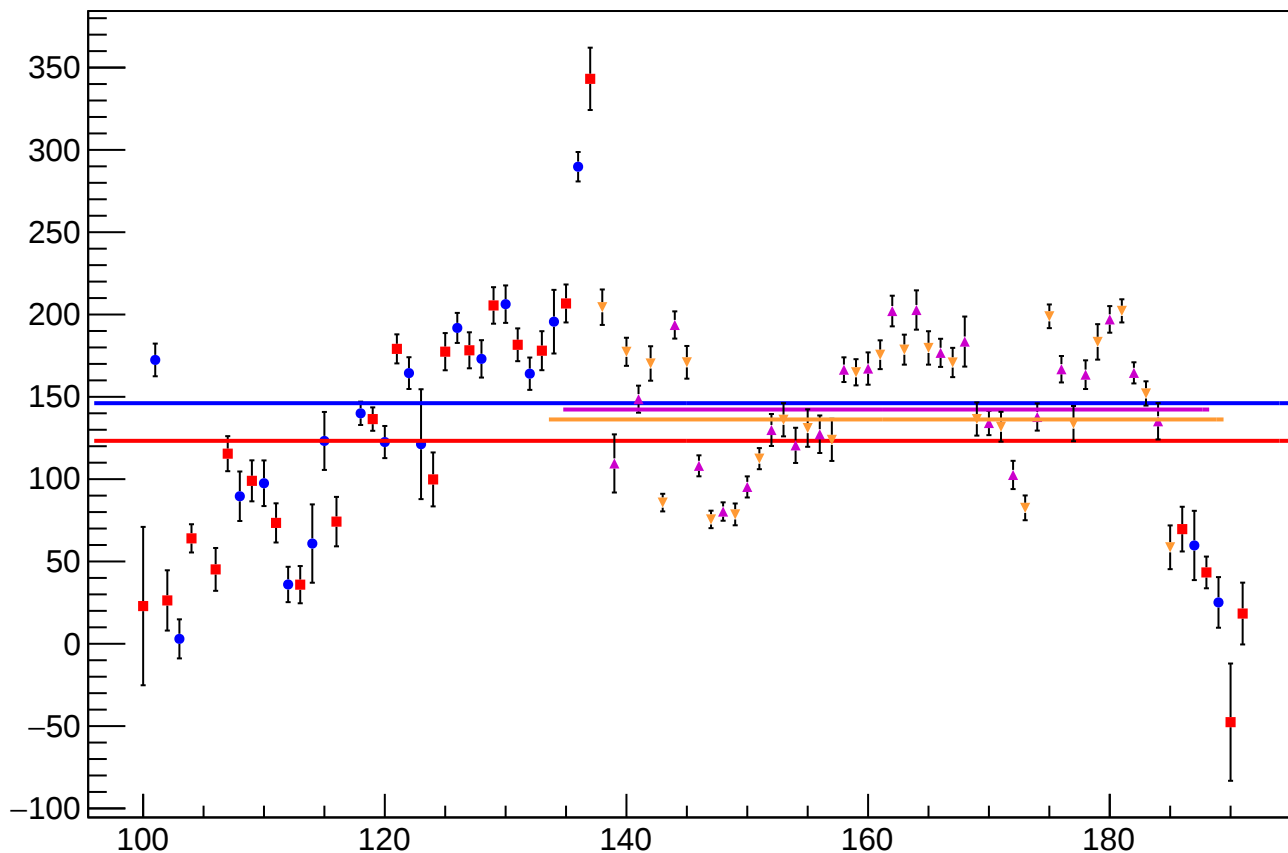
Left In: 430.640 ± 1.971 χ^2/NDF : 2850.6/22

+ sign 460.916 ± 1.655 χ^2/NDF : 7504.8/43

All: 476.774 ± 1.125 χ^2/NDF : 17519.1/89

- sign 490.380 ± 1.533 χ^2/NDF : 9843.9/45

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 146.147 ± 2.652 $\chi^2/\text{NDF}: 714.7/18$

Left Out: 136.258 ± 1.651 $\chi^2/\text{NDF}: 758.3/24$

Right Out: 123.274 ± 2.458 $\chi^2/\text{NDF}: 738.8/22$

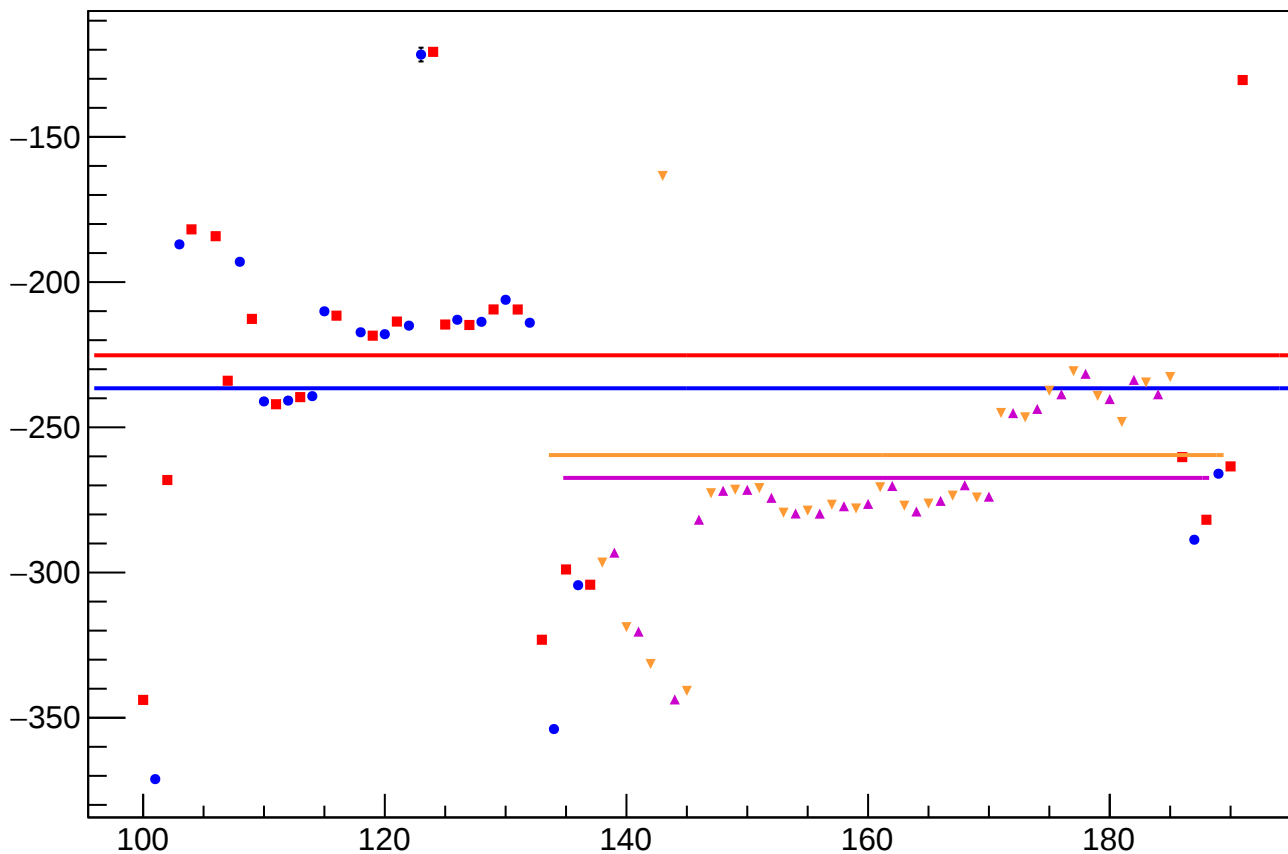
Left In: 142.296 ± 1.745 $\chi^2/\text{NDF}: 459.8/22$

+ sign 139.019 ± 1.402 $\chi^2/\text{NDF}: 1483.0/43$

All: 137.494 ± 0.998 $\chi^2/\text{NDF}: 2723.8/89$

- sign 135.923 ± 1.423 $\chi^2/\text{NDF}: 1238.4/45$

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: -225.201+/-0.130 χ^2/NDF : 147905.7/22

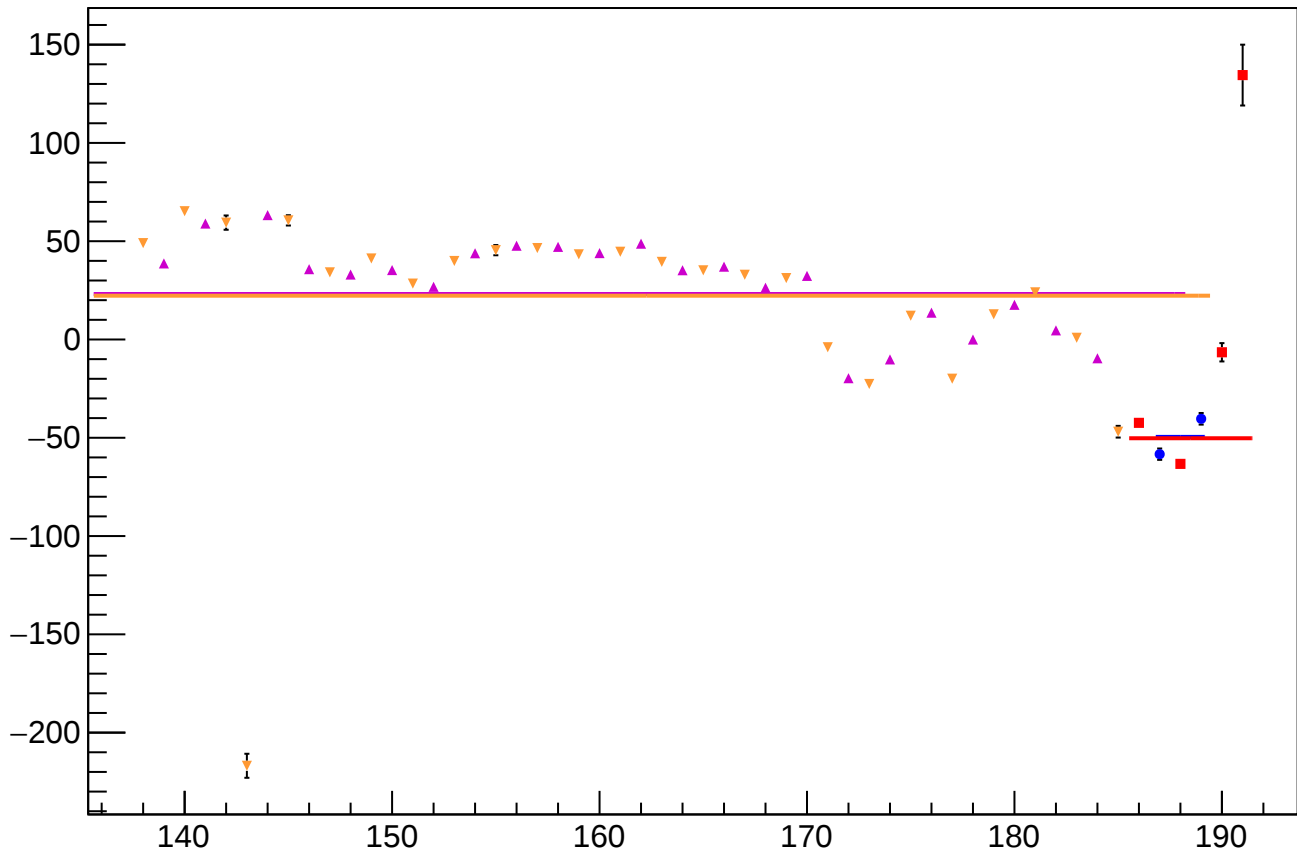
Left In: -267.417+/-0.082 χ^2/NDF : 98035.5/22

+ sign -254.291+/-0.069 χ^2/NDF : 406308.3/43

All: -254.865+/-0.049 χ^2/NDF : 728235.1/89

- sign -255.432+/-0.069 χ^2/NDF : 321791.2/45

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: -50.244 ± 1.126 $\chi^2/\text{NDF}: 320.5/3$

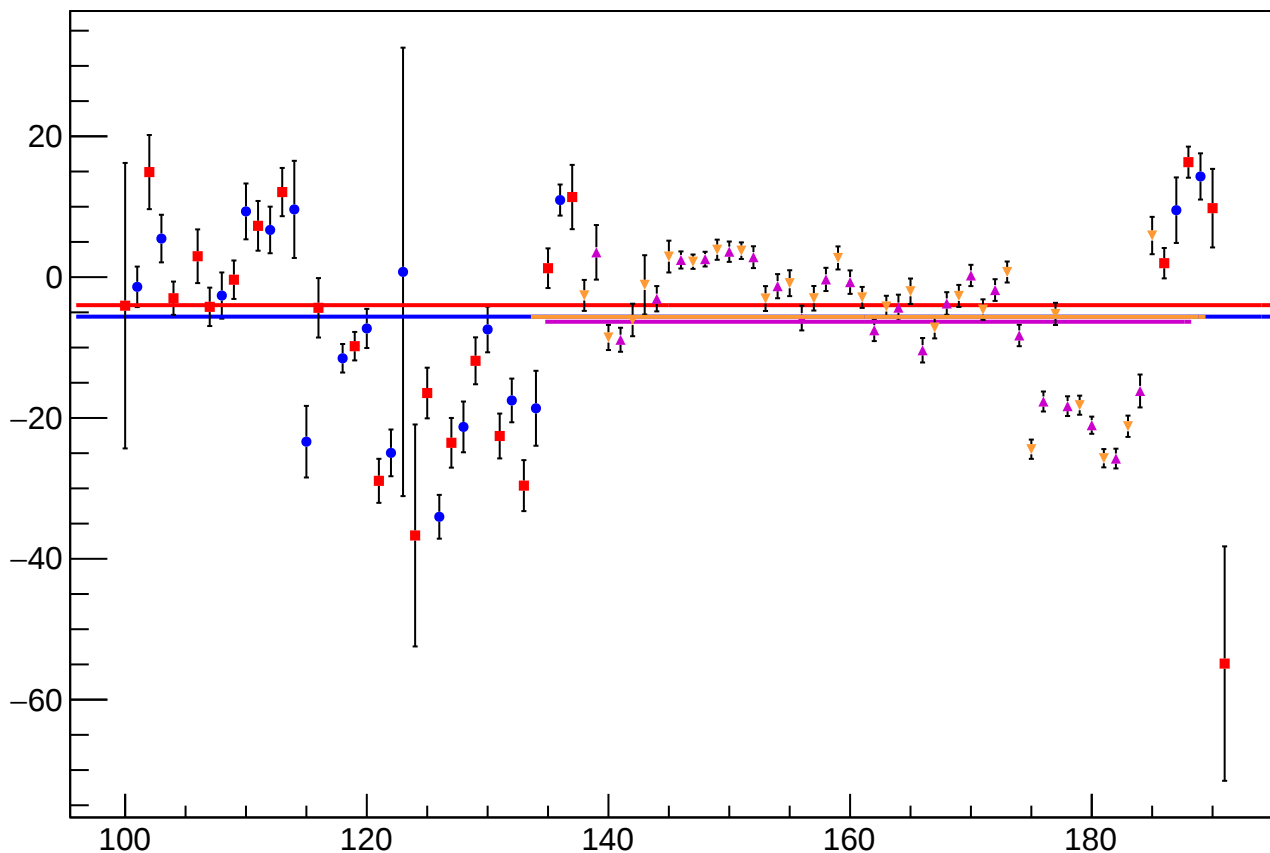
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 19.699 ± 0.392 $\chi^2/\text{NDF}: 6355.6/26$

All: 17.194 ± 0.272 $\chi^2/\text{NDF}: 13269.0/53$

- sign 14.858 ± 0.378 $\chi^2/\text{NDF}: 6834.3/26$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.610 ± 0.758 χ^2/NDF : 328.9/18

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -3.979 ± 0.677 χ^2/NDF : 381.5/22

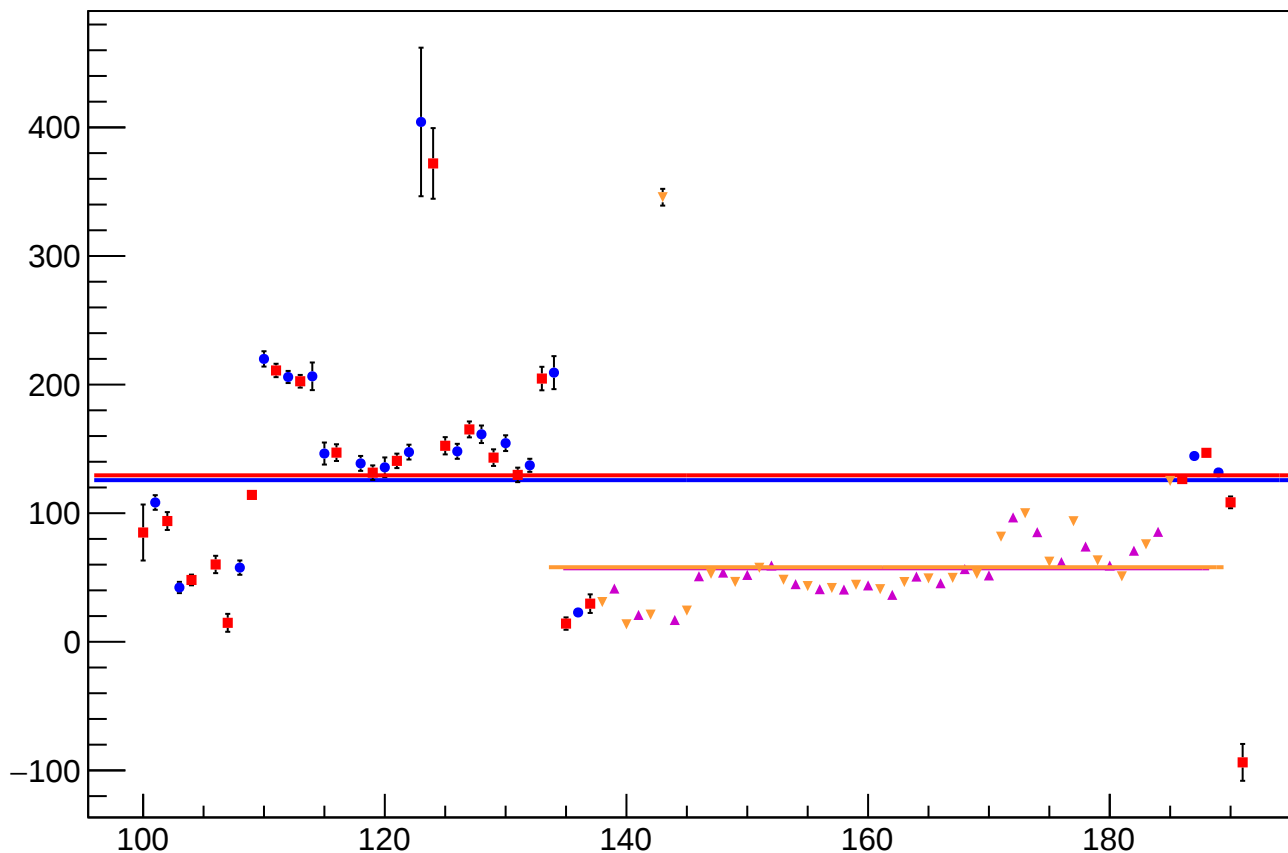
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -5.637 ± 0.291 χ^2/NDF : 1222.6/43

All: -5.771 ± 0.206 χ^2/NDF : 2397.4/89

- sign -5.904 ± 0.290 χ^2/NDF : 1174.4/45

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: 129.449 $\pm$ 0.759 χ^2 /NDF: 2701.7/22

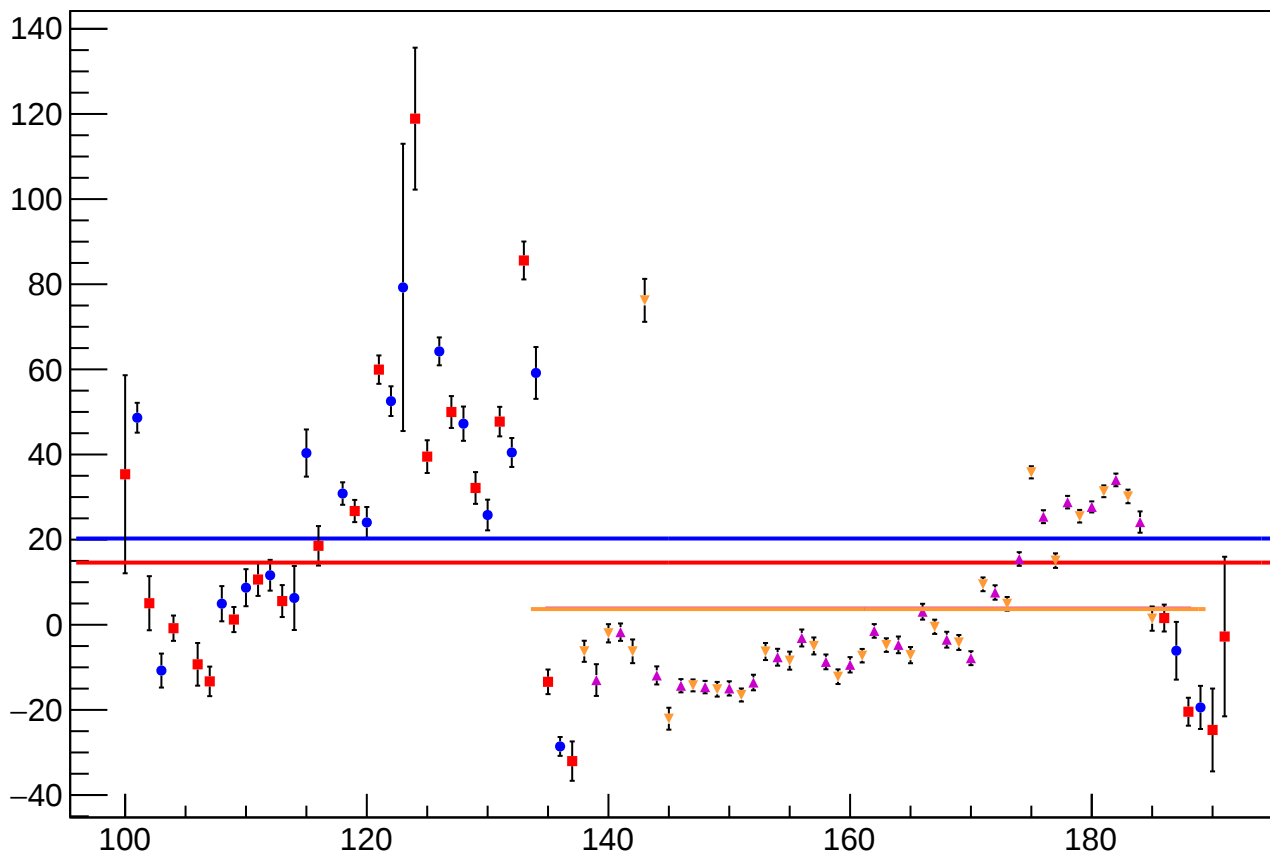
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 65.884 $\pm$ 0.374 χ^2 /NDF: 10274.8/43

All: 69.543 $\pm$ 0.257 χ^2 /NDF: 22060.9/89

- sign 72.813 $\pm$ 0.354 χ^2 /NDF: 11604.8/45

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: 14.608 $\pm$ 0.811 χ^2 /NDF: 1233.4/22

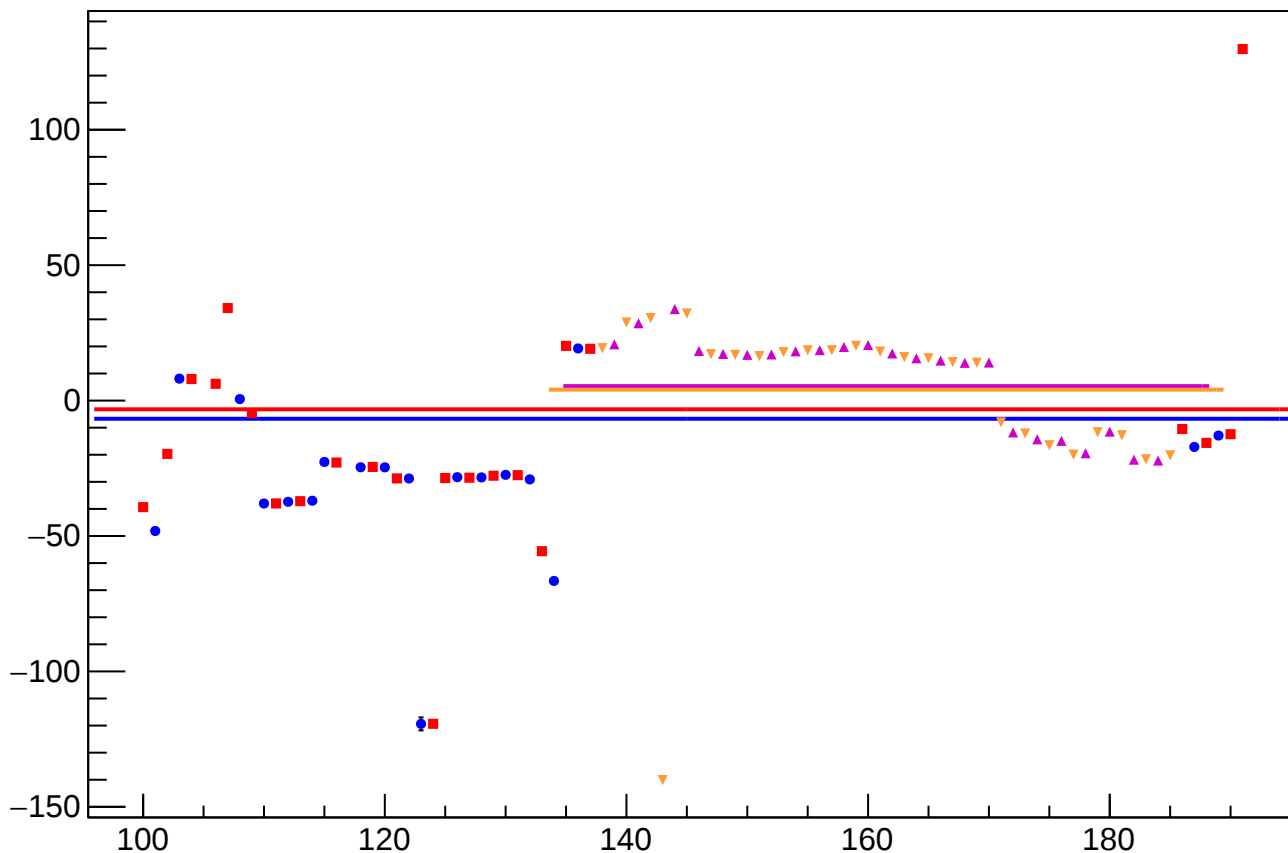
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF:2198.8/22

+ sign 6.029 $\pm$ 0.331 χ^2 /NDF: 3988.5/43

All: 5.805 $\pm$ 0.234 χ^2 /NDF: 7570.0/89

- sign 5.581 $\pm$ 0.330 χ^2 /NDF: 3580.6/45

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.714 ± 0.045 $\chi^2/\text{NDF}: 265654.1/18$

Left Out: 4.026 ± 0.016 $\chi^2/\text{NDF}: 1383143.9/24$

Right Out: -3.219 ± 0.043 $\chi^2/\text{NDF}: 339736.7/22$

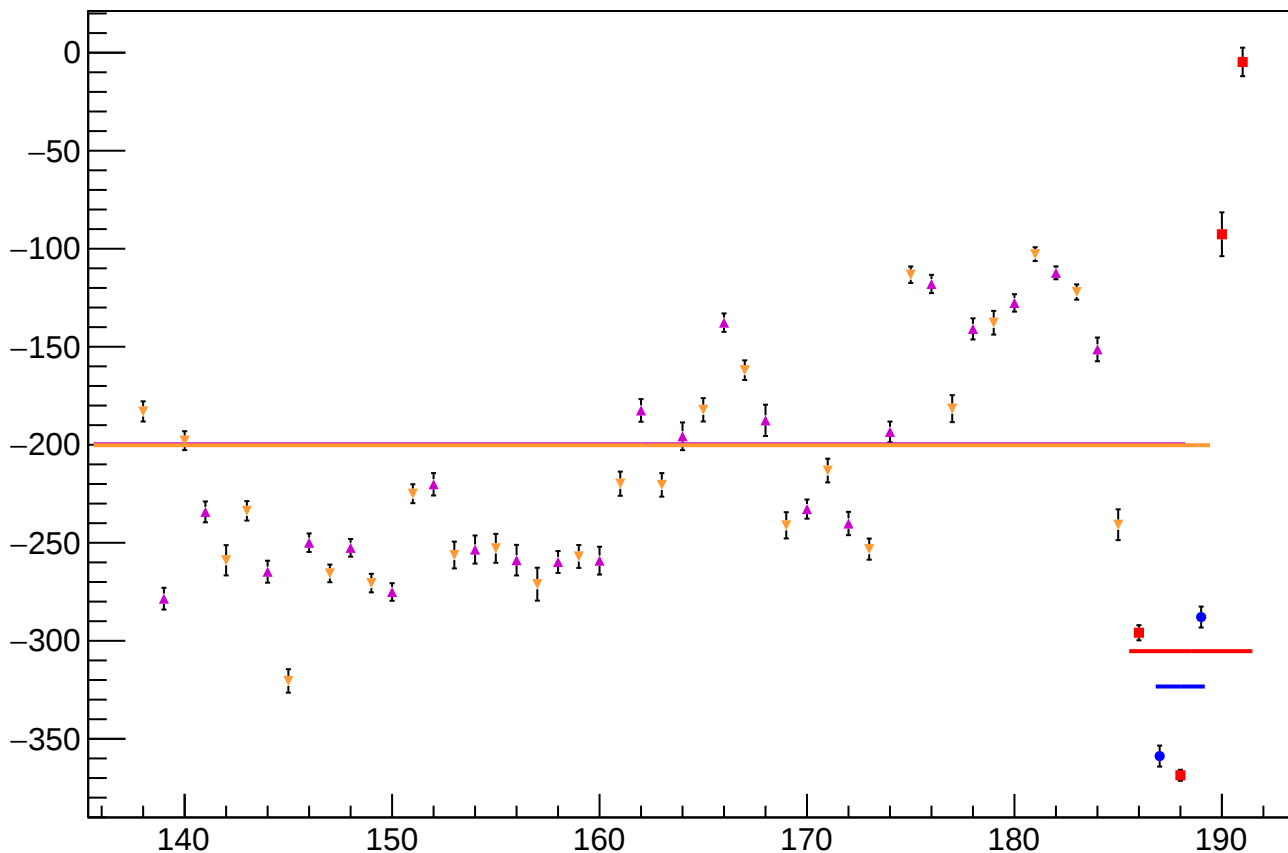
Left In: 5.335 ± 0.016 $\chi^2/\text{NDF}: 1077818.8/22$

+ sign 2.777 ± 0.015 $\chi^2/\text{NDF}: 1698872.0/43$

All: 3.507 ± 0.011 $\chi^2/\text{NDF}: 3155887.6/89$

- sign 4.232 ± 0.015 $\chi^2/\text{NDF}: 1452524.4/45$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -323.309 ± 3.785 $\chi^2/\text{NDF}: 87.8/1$

Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$

Right Out: -305.279 ± 2.129 $\chi^2/\text{NDF}: 2579.6/3$

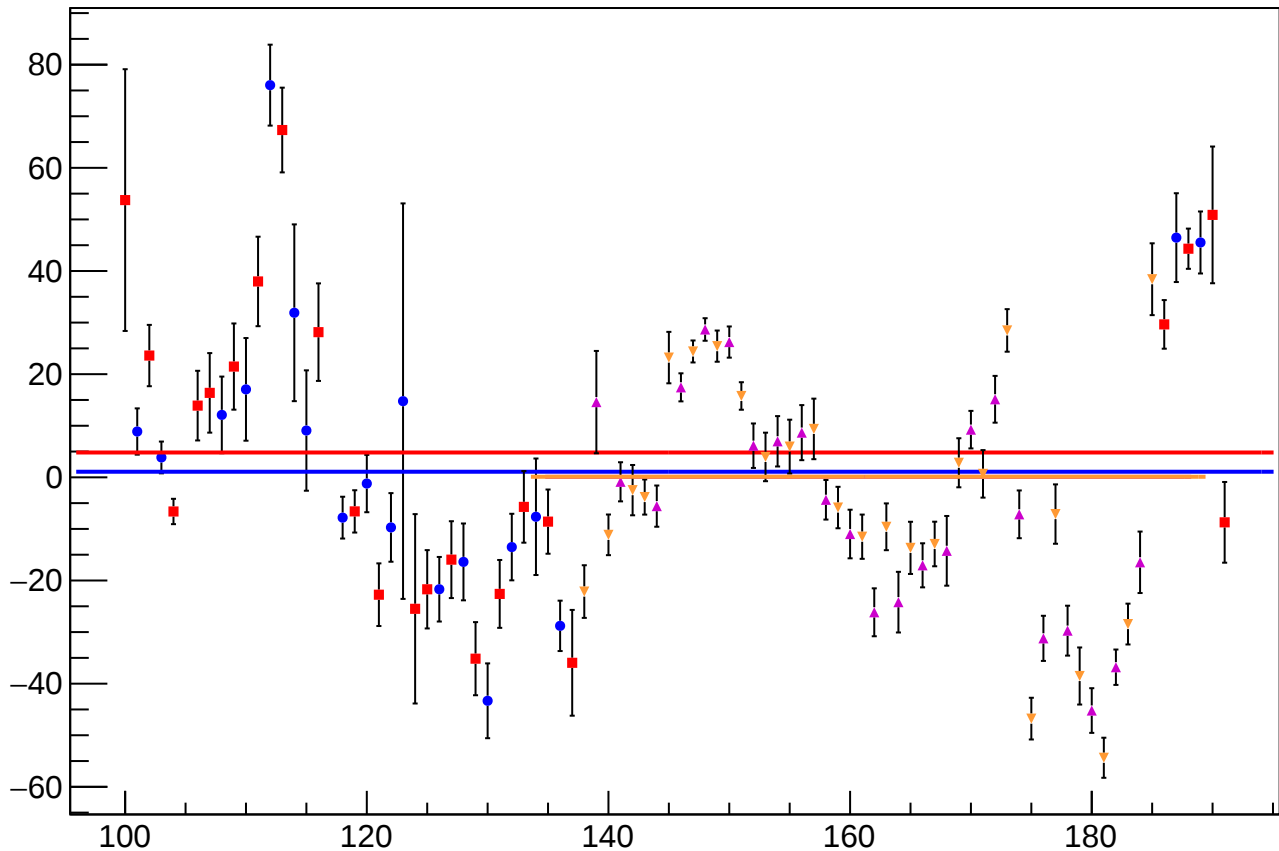
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -209.459 ± 1.037 $\chi^2/\text{NDF}: 4290.8/26$

All: -216.053 ± 0.710 $\chi^2/\text{NDF}: 11856.1/53$

- sign -221.892 ± 0.975 $\chi^2/\text{NDF}: 7489.1/26$

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: 4.816 ± 1.245 χ^2/NDF : 390.5/22

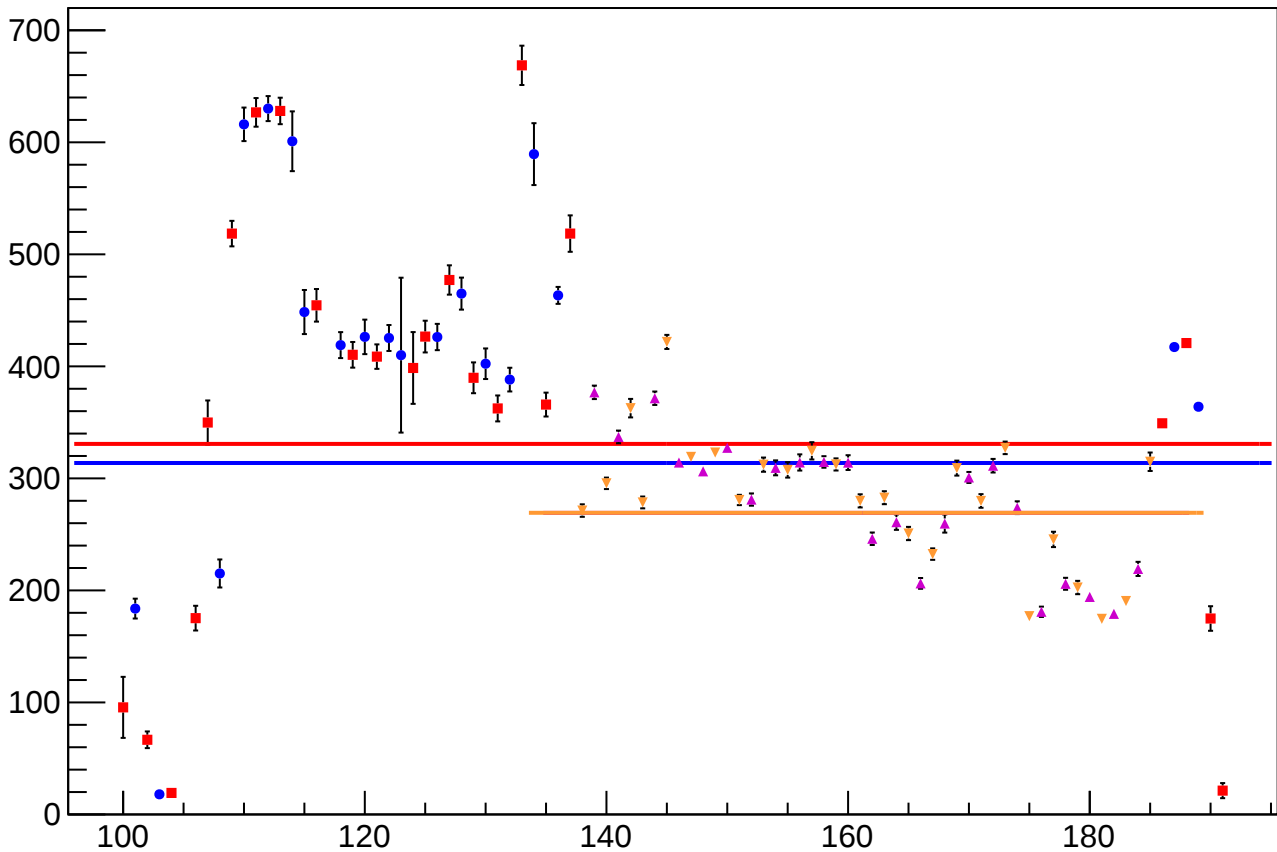
Left In: 0.097 ± 0.838 χ^2/NDF : 715.5/22

+ sign 0.350 ± 0.700 χ^2/NDF : 1124.8/43

All: 0.963 ± 0.493 χ^2/NDF : 2242.2/89

- sign 1.568 ± 0.695 χ^2/NDF : 1115.9/45

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 313.745 $\pm$ 1.949 χ^2 /NDF: 8679.8/18

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 330.775 $\pm$ 1.418 χ^2 /NDF: 12933.5/22

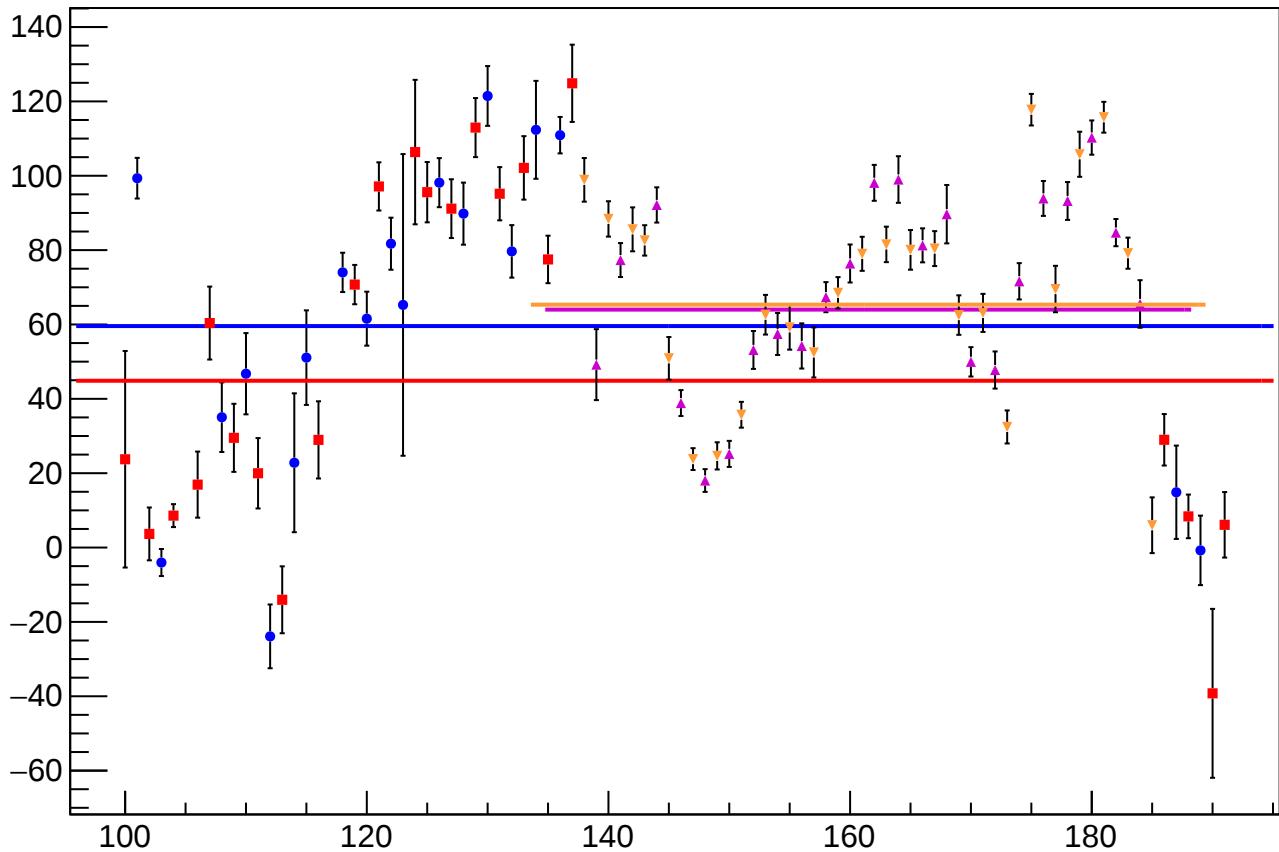
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 279.690 $\pm$ 0.943 χ^2 /NDF: 12225.2/43

All: 286.425 $\pm$ 0.637 χ^2 /NDF: 29608.2/89

- sign 292.085 $\pm$ 0.864 χ^2 /NDF: 17289.1/45

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: 44.865 $\pm$ 1.517 χ^2/NDF : 742.1/22

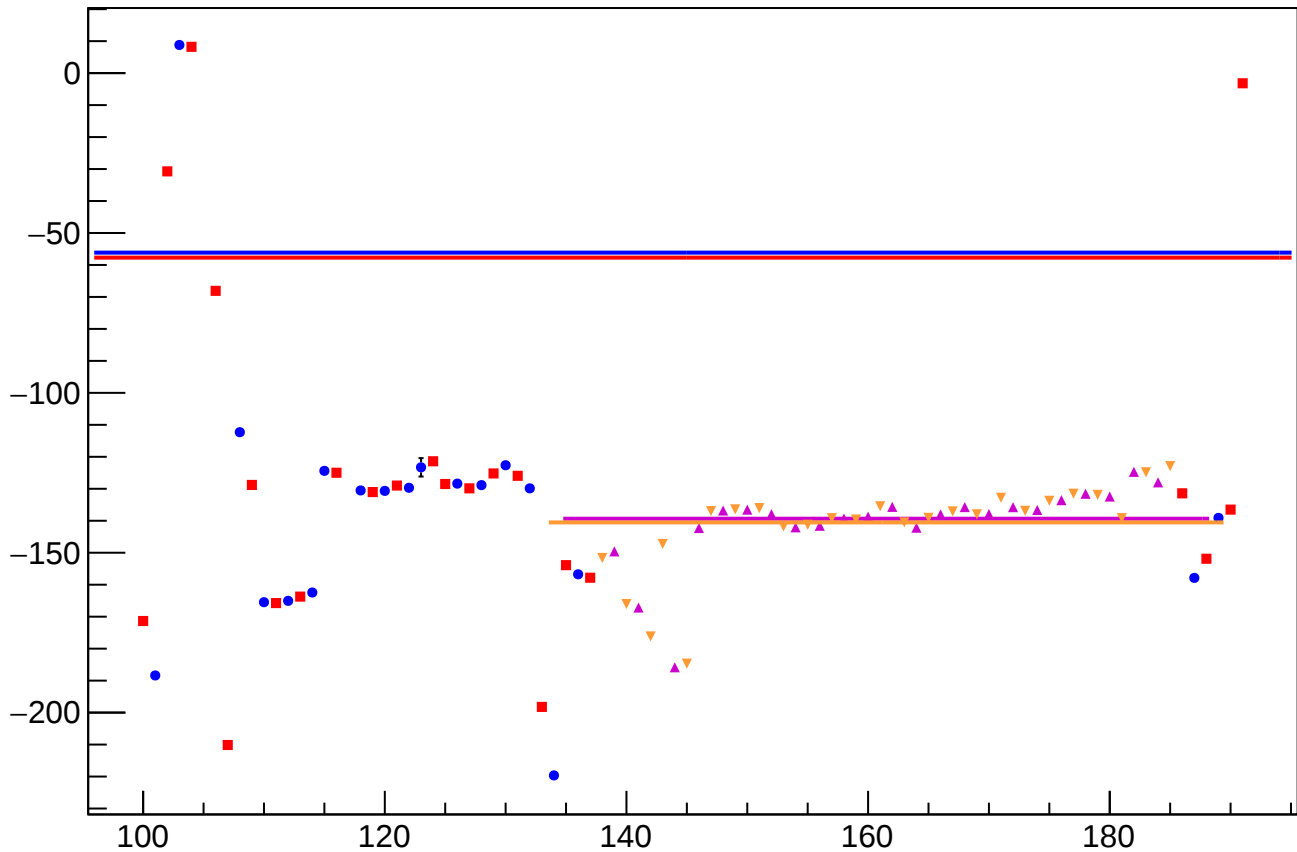
Left In: 63.999 $\pm$ 0.963 χ^2/NDF : 799.5/22

+ sign 63.931 $\pm$ 0.814 χ^2/NDF : 1794.3/43

All: 61.214 $\pm$ 0.575 χ^2/NDF : 3471.6/89

- sign 58.503 $\pm$ 0.813 χ^2/NDF : 1655.0/45

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: -57.703 ± 0.066 $\chi^2/\text{NDF}: 1141466.3/22$

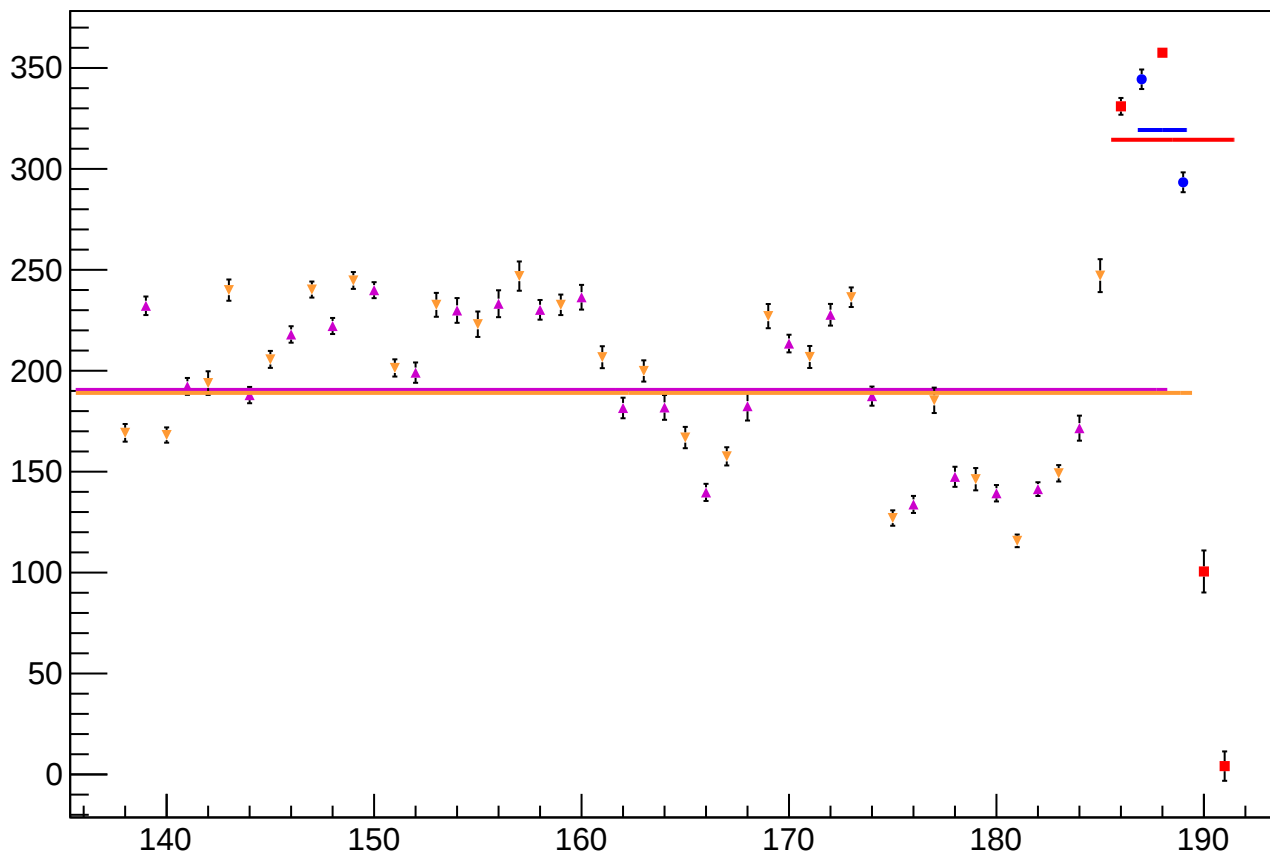
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -115.841 ± 0.037 $\chi^2/\text{NDF}: 2405567.3/43$

All: -114.766 ± 0.026 $\chi^2/\text{NDF}: 4645316.9/89$

- sign -113.702 ± 0.037 $\chi^2/\text{NDF}: 2238111.8/45$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 319.276 ± 3.448 $\chi^2/\text{NDF}: 54.8/1$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 314.434 ± 2.019 $\chi^2/\text{NDF}: 2551.8/3$

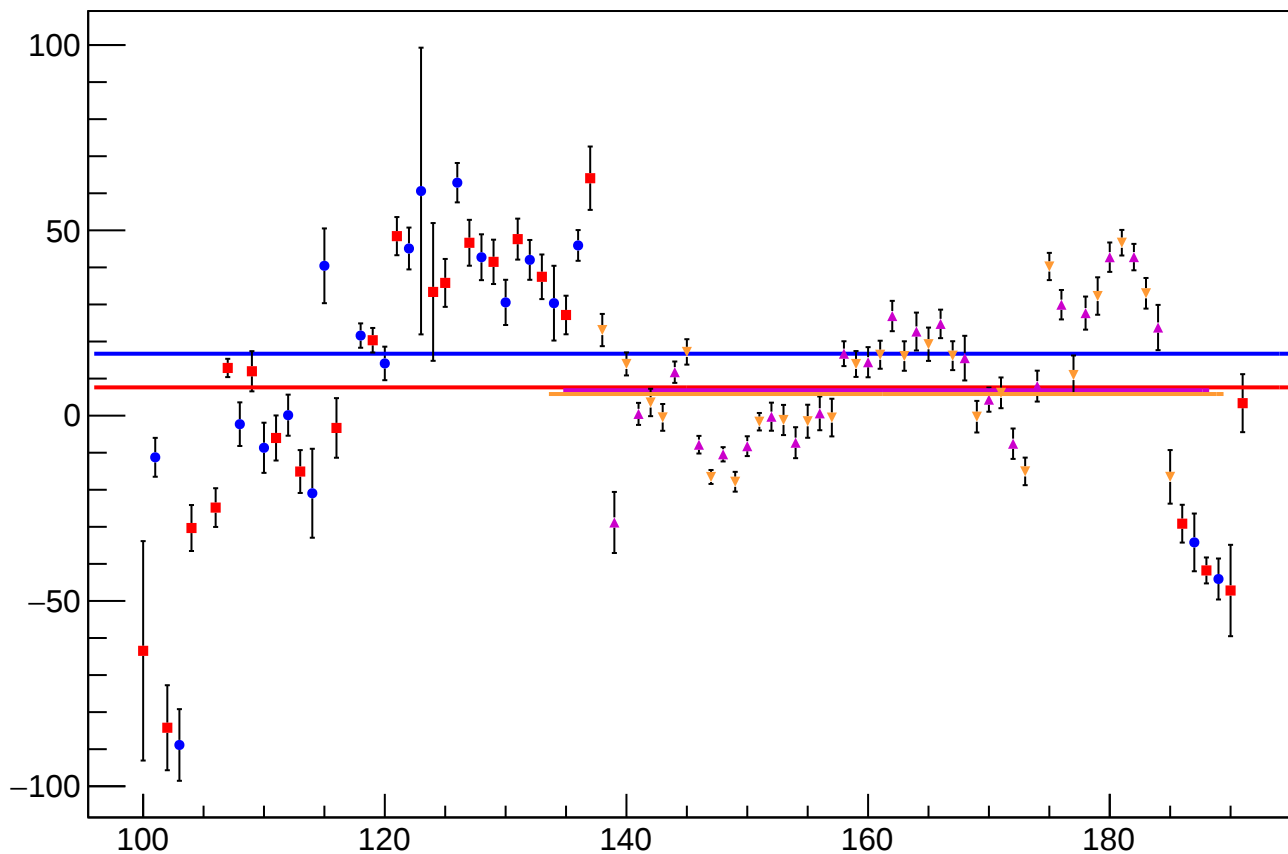
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 198.324 ± 0.921 $\chi^2/\text{NDF}: 3360.5/26$

All: 206.509 ± 0.636 $\chi^2/\text{NDF}: 10531.0/53$

- sign 213.947 ± 0.878 $\chi^2/\text{NDF}: 7019.8/26$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 16.709 ± 1.335 $\chi^2/\text{NDF}: 561.1/18$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 7.627 ± 1.114 $\chi^2/\text{NDF}: 749.2/22$

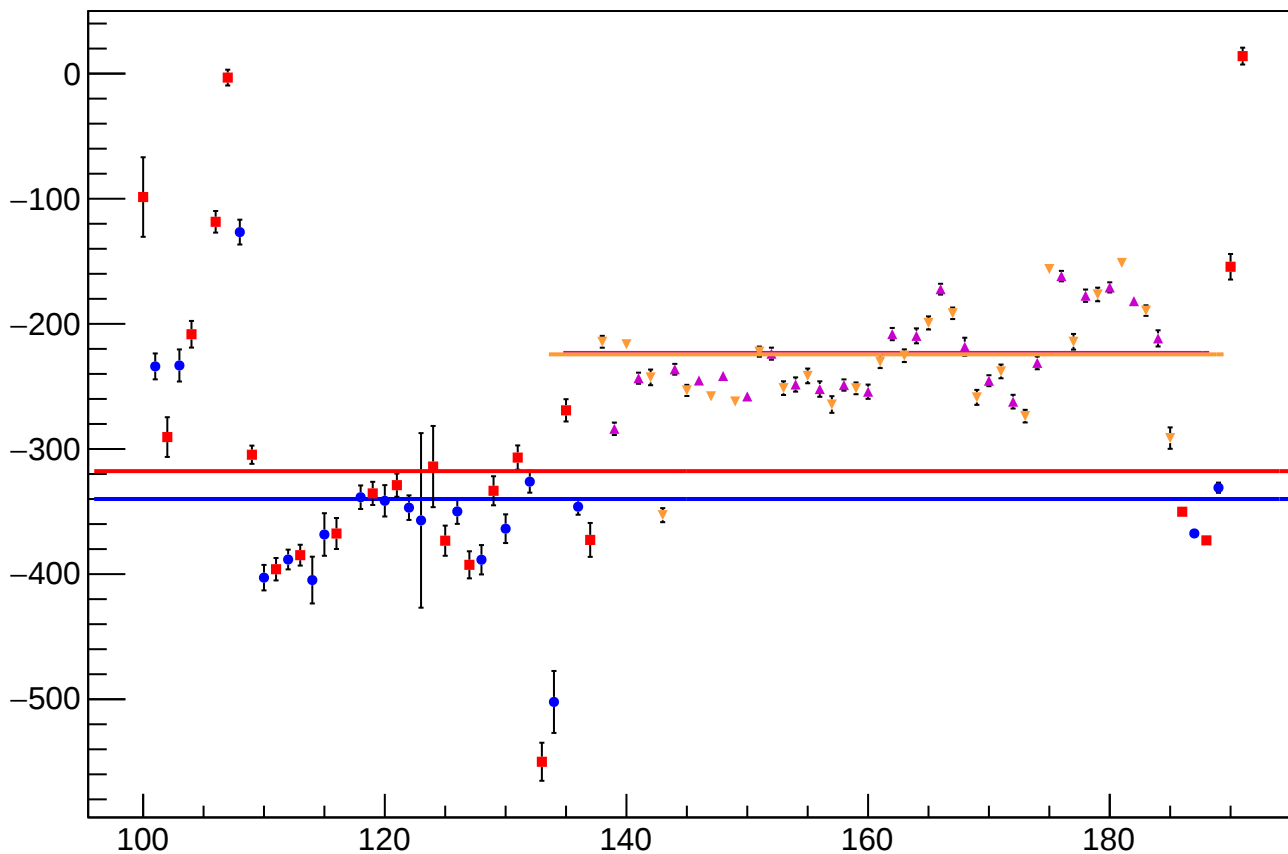
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 8.244 ± 0.629 $\chi^2/\text{NDF}: 1265.0/43$

All: 7.656 ± 0.439 $\chi^2/\text{NDF}: 2539.0/89$

- sign 7.094 ± 0.614 $\chi^2/\text{NDF}: 1272.3/45$

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: -317.691 ± 1.343 χ^2/NDF : 7214.5/22

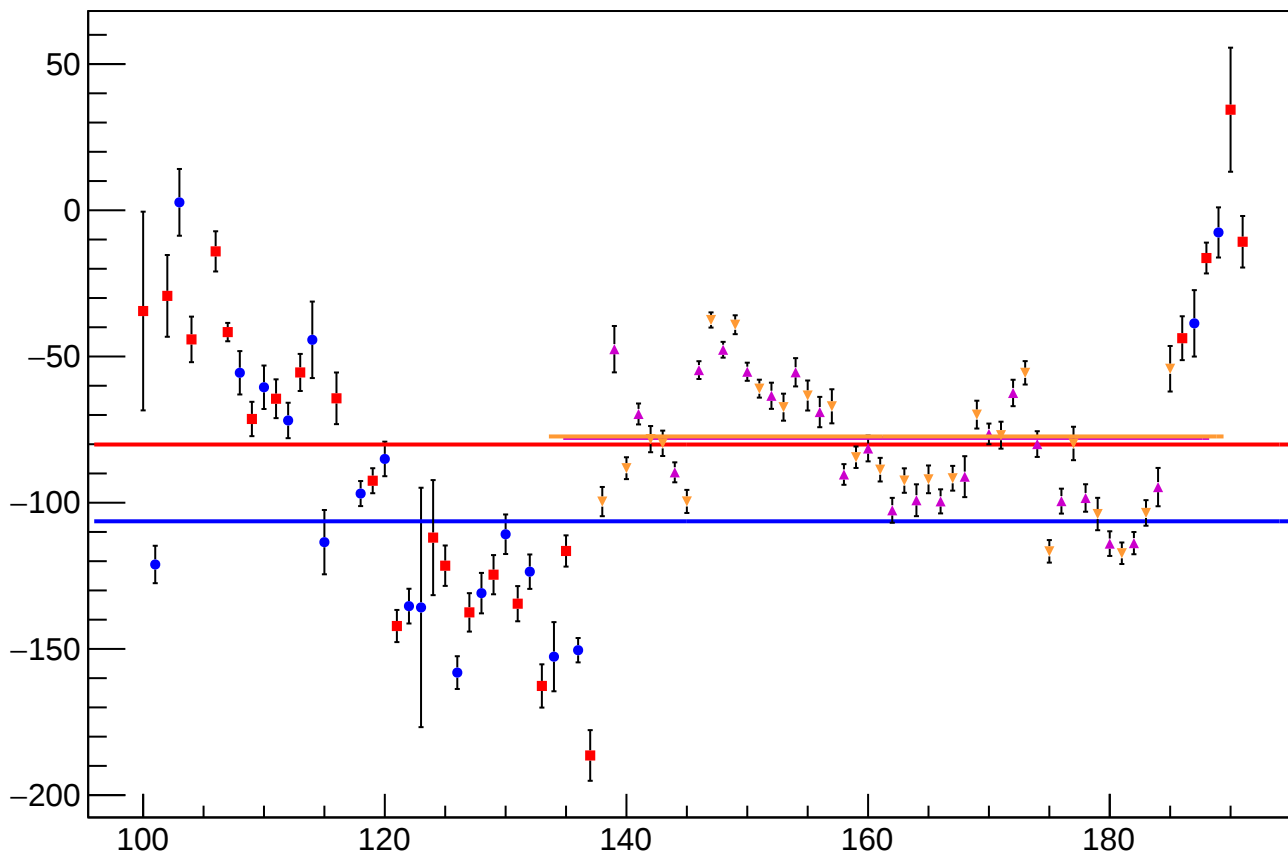
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -247.459 ± 0.855 χ^2/NDF : 5872.4/43

All: -251.857 ± 0.579 χ^2/NDF : 17658.4/89

- sign -255.571 ± 0.786 χ^2/NDF : 11737.1/45

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: -80.098 ± 1.343 χ^2/NDF : 1264.0/22

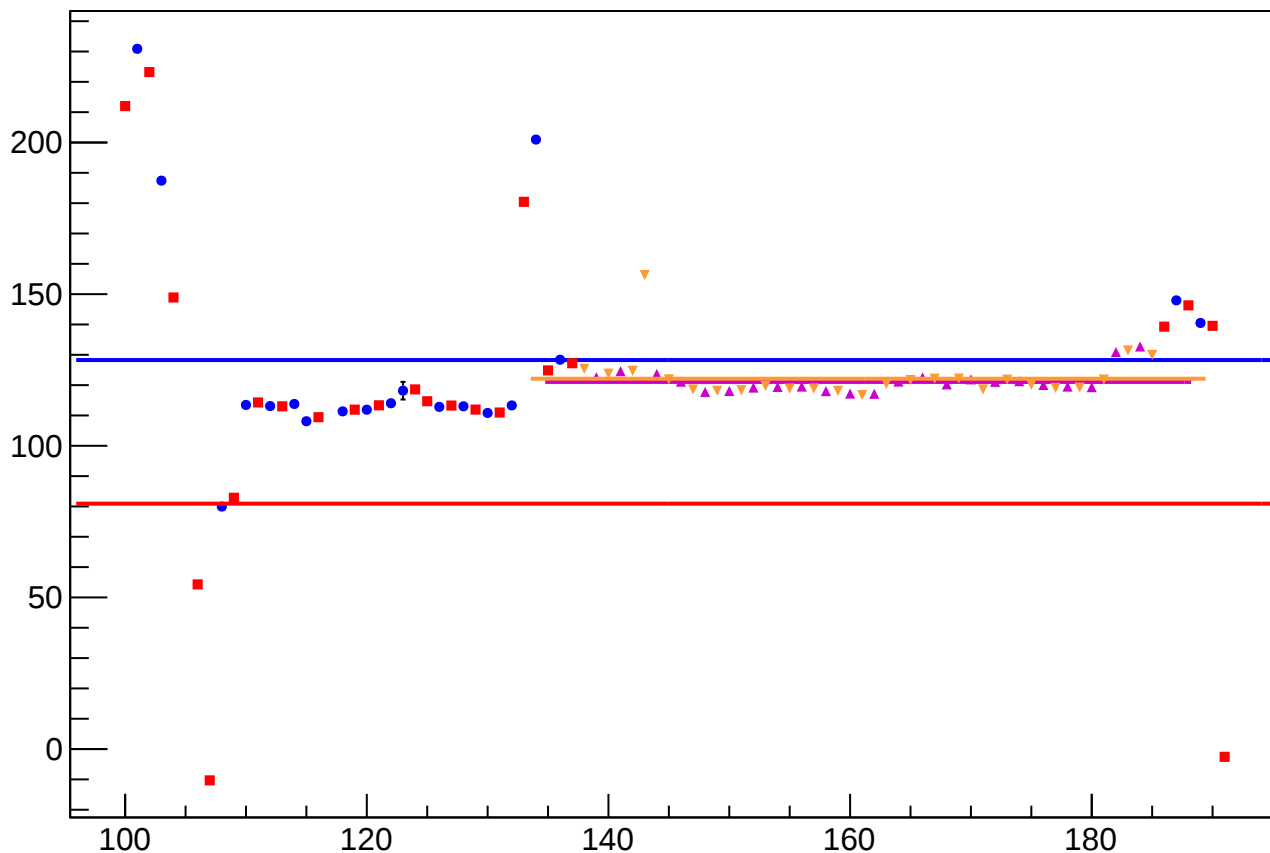
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -83.712 ± 0.730 χ^2/NDF : 1798.4/43

All: -81.051 ± 0.512 χ^2/NDF : 3713.3/89

- sign -78.483 ± 0.717 χ^2/NDF : 1888.8/45

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: 80.919 $\pm$ 0.069 χ^2 /NDF: 957282.7/22

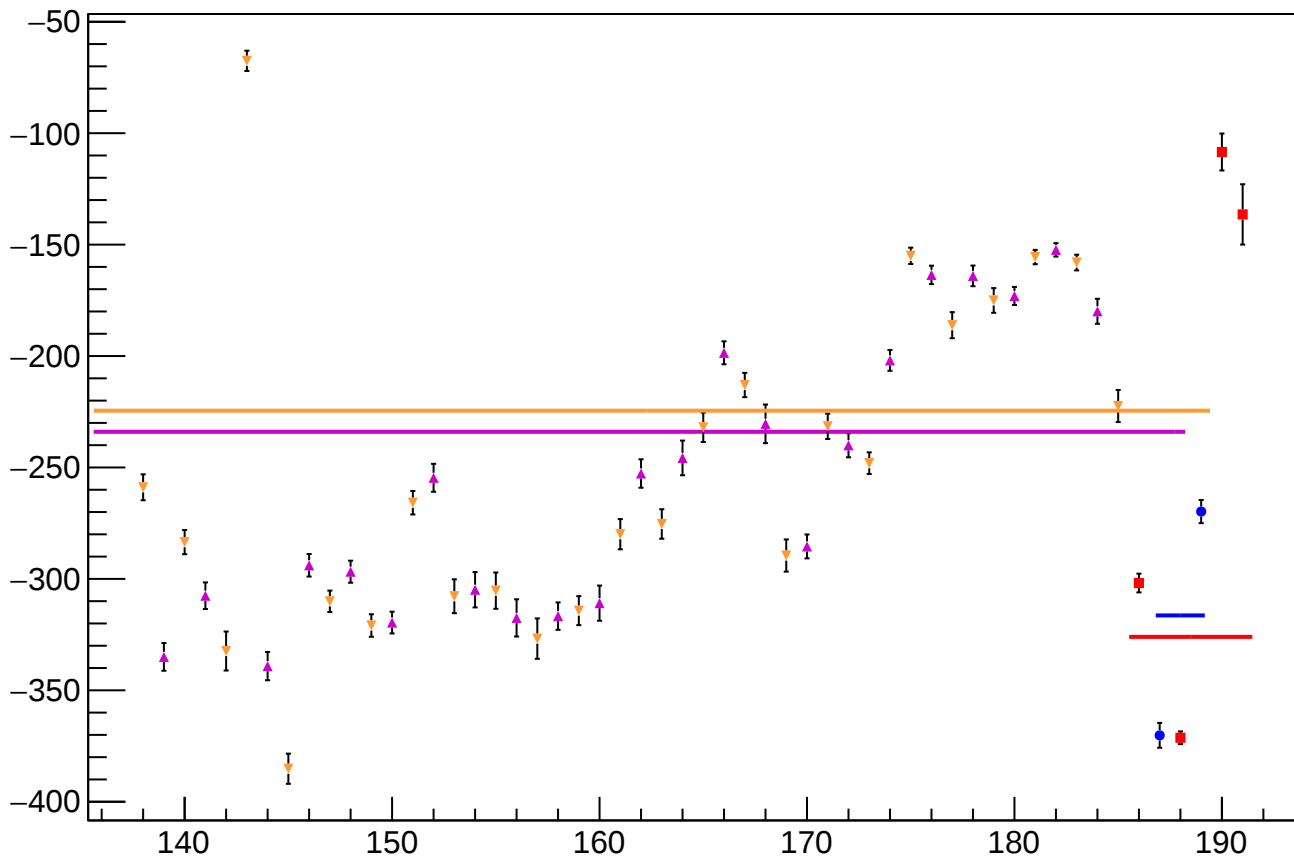
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 123.170 $\pm$ 0.036 χ^2 /NDF: 224236.9/43

All: 116.843 $\pm$ 0.025 χ^2 /NDF: 1504088.5/89

- sign 111.025 $\pm$ 0.034 χ^2 /NDF: 1220187.2/45

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: -326.015 ± 2.239 $\chi^2/\text{NDF}: 1169.9/3$

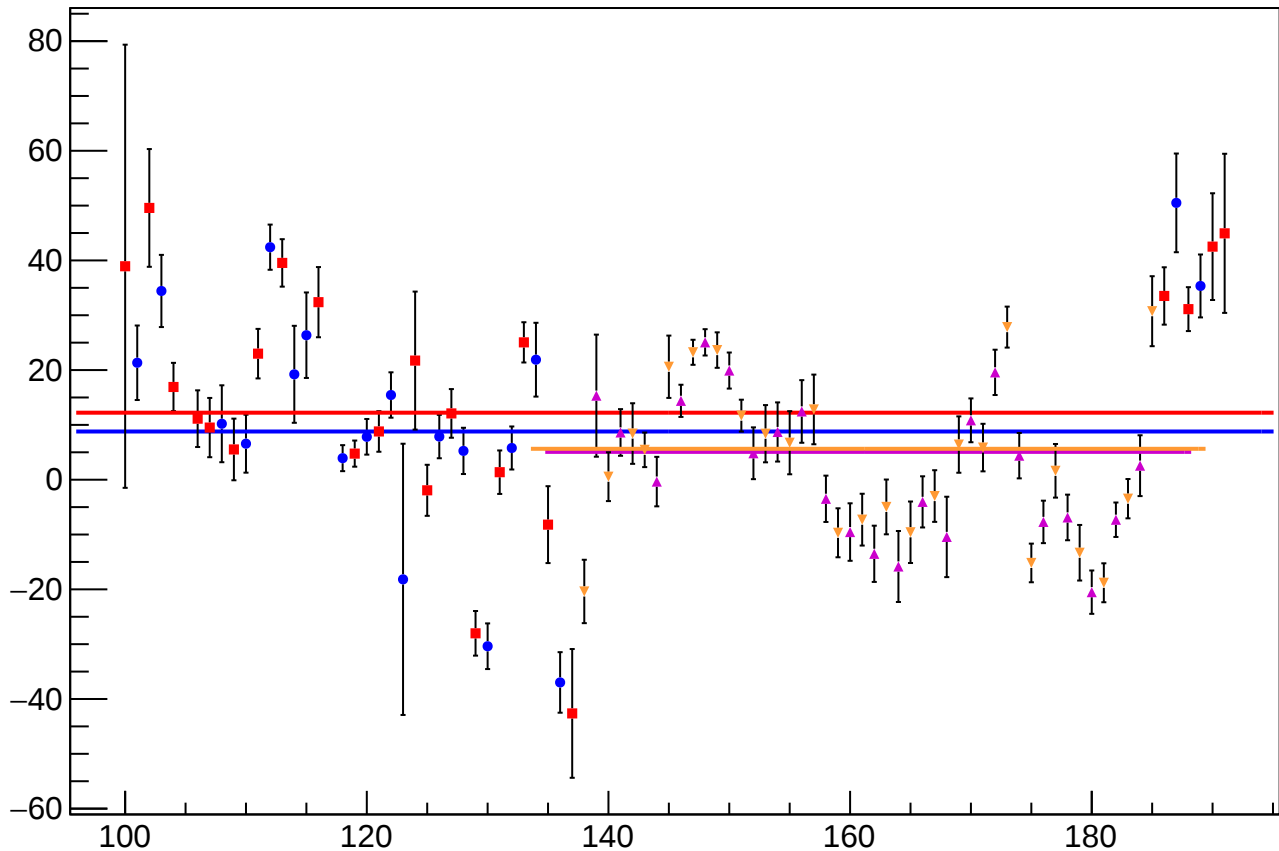
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -231.344 ± 1.038 $\chi^2/\text{NDF}: 5584.0/26$

All: -242.182 ± 0.718 $\chi^2/\text{NDF}: 11858.0/53$

- sign -252.108 ± 0.993 $\chi^2/\text{NDF}: 6065.3/26$

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: 12.225 $\pm$ 1.009 χ^2/NDF : 292.7/22

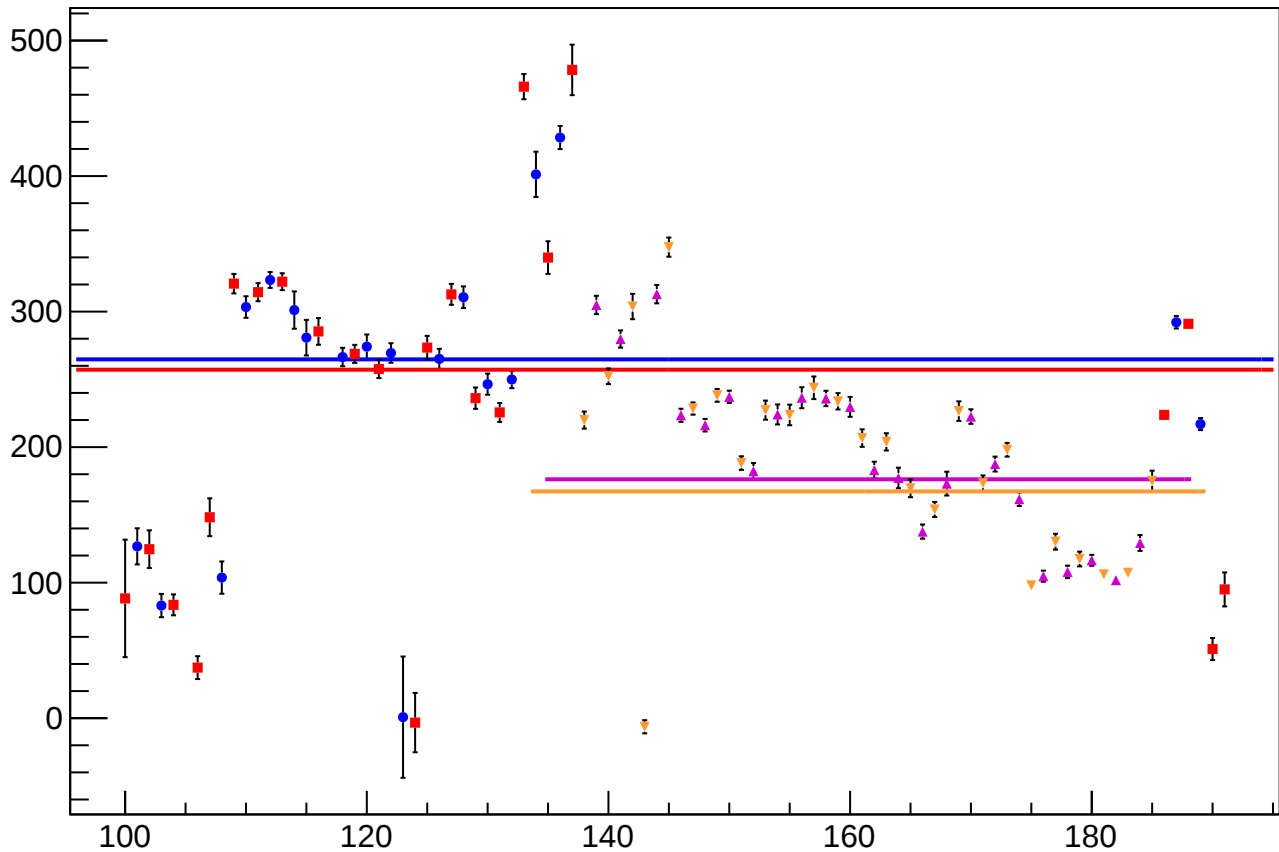
Left In: 5.077 $\pm$ 0.869 χ^2/NDF :239.7/22

+ sign 6.810 $\pm$ 0.656 χ^2/NDF : 624.1/43

All: 7.464 $\pm$ 0.465 χ^2/NDF : 1187.3/89

- sign 8.122 $\pm$ 0.658 χ^2/NDF : 561.2/45

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: 257.130 $\pm$ 1.344 χ^2 /NDF: 3664.0/22

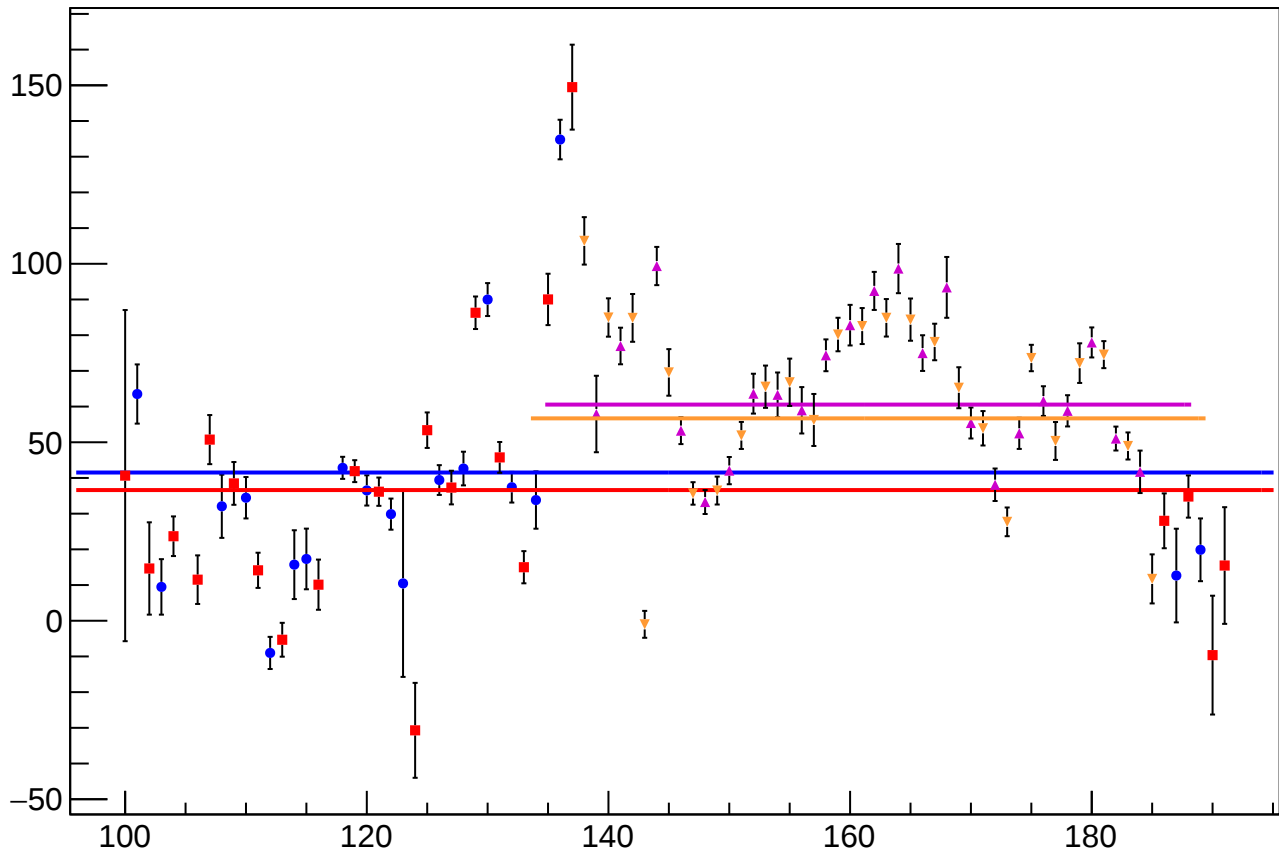
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF: 3169.5/22

+ sign 194.287 $\pm$ 0.921 χ^2 /NDF: 8229.4/43

All: 202.150 $\pm$ 0.626 χ^2 /NDF: 17357.4/89

- sign 208.914 $\pm$ 0.854 χ^2 /NDF: 8992.3/45

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: 36.609 $\pm$ 1.190 χ^2/NDF : 481.6/22

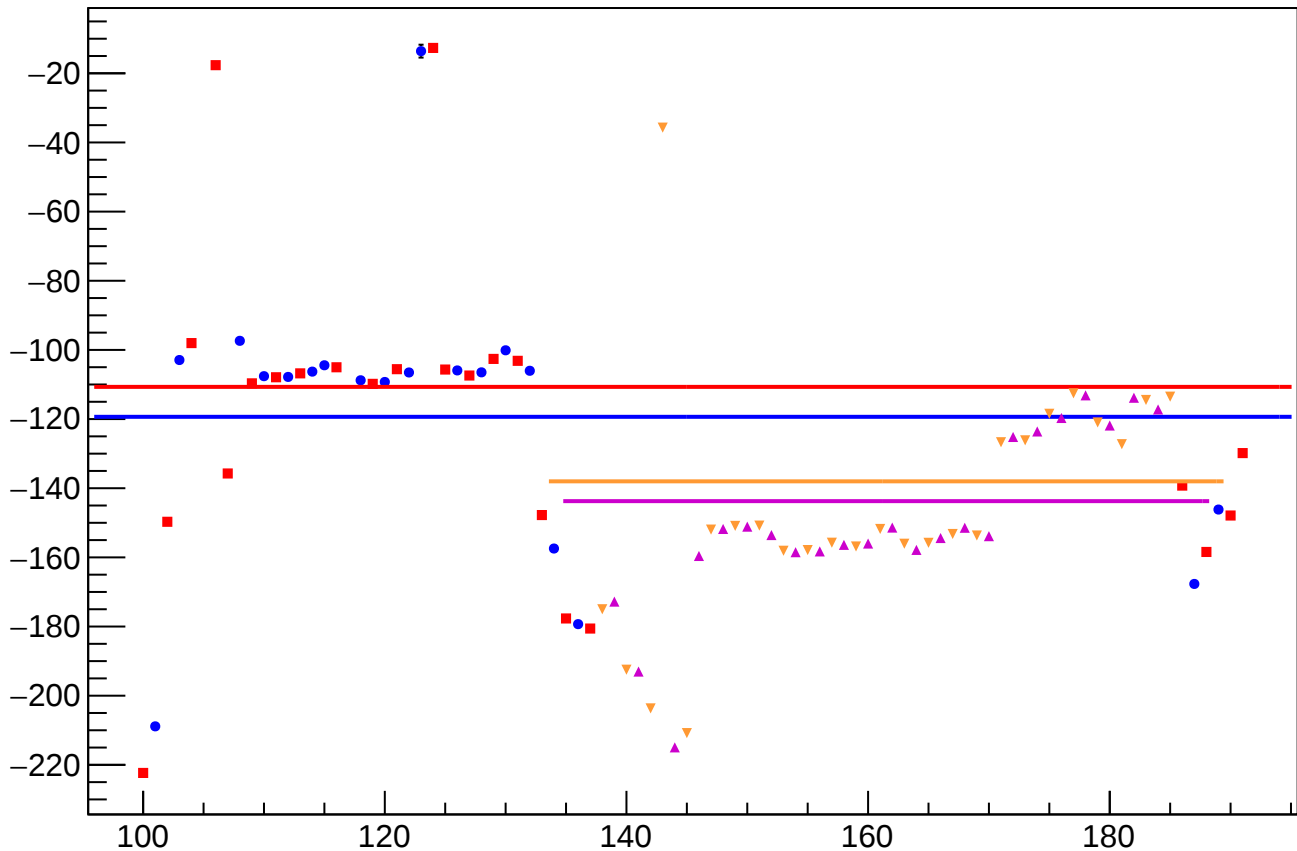
Left In: 60.555 $\pm$ 0.990 χ^2/NDF : 335.6/22

+ sign 51.170 $\pm$ 0.759 χ^2/NDF : 1367.3/43

All: 50.964 $\pm$ 0.537 χ^2/NDF : 2424.0/89

- sign 50.756 $\pm$ 0.761 χ^2/NDF : 1056.5/45

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -119.347 ± 0.077 $\chi^2/\text{NDF}: 151534.3/18$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -110.687 ± 0.069 $\chi^2/\text{NDF}: 365532.9/22$

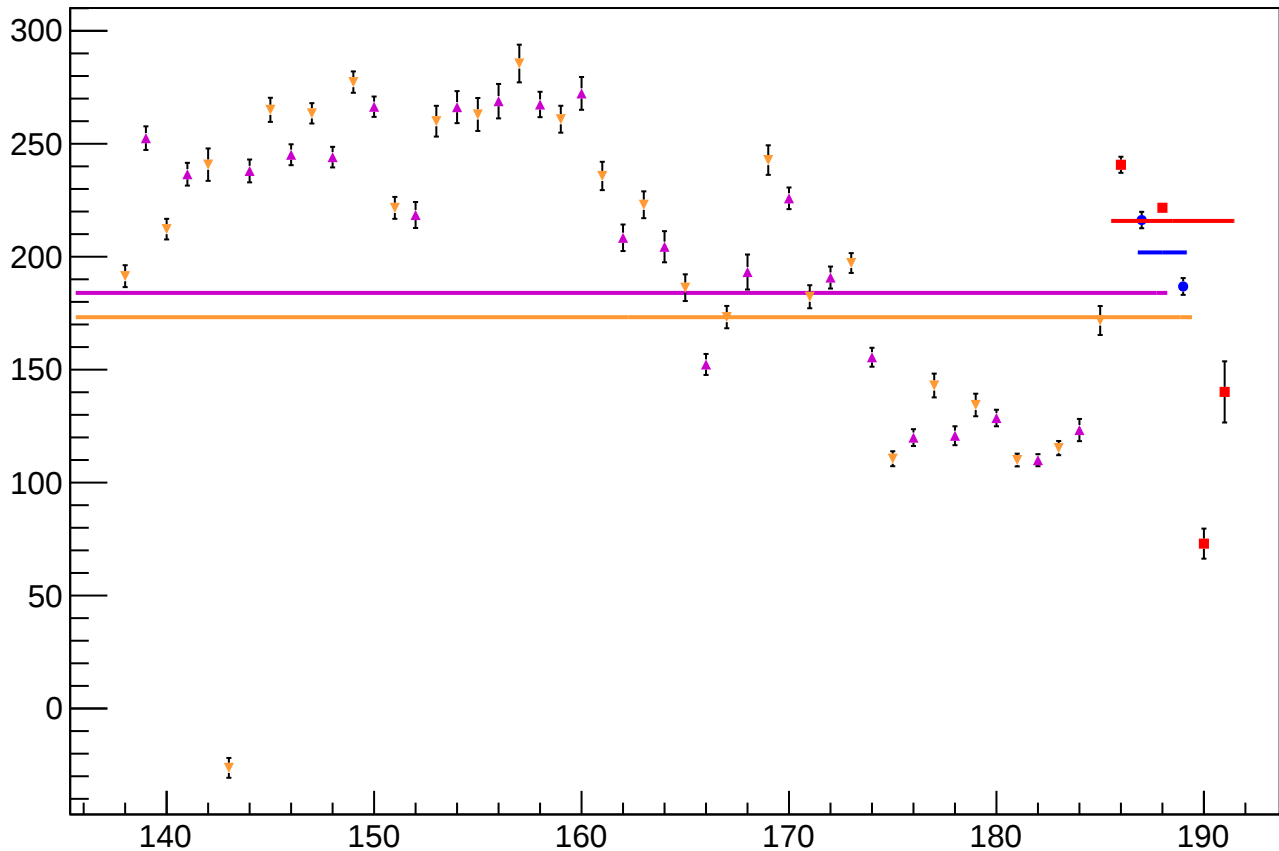
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -133.201 ± 0.039 $\chi^2/\text{NDF}: 761349.2/43$

All: -133.329 ± 0.027 $\chi^2/\text{NDF}: 1545215.6/89$

- sign -133.453 ± 0.038 $\chi^2/\text{NDF}: 783845.1/45$

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: 215.845 $\pm$ 1.591 χ^2 /NDF: 550.5/3

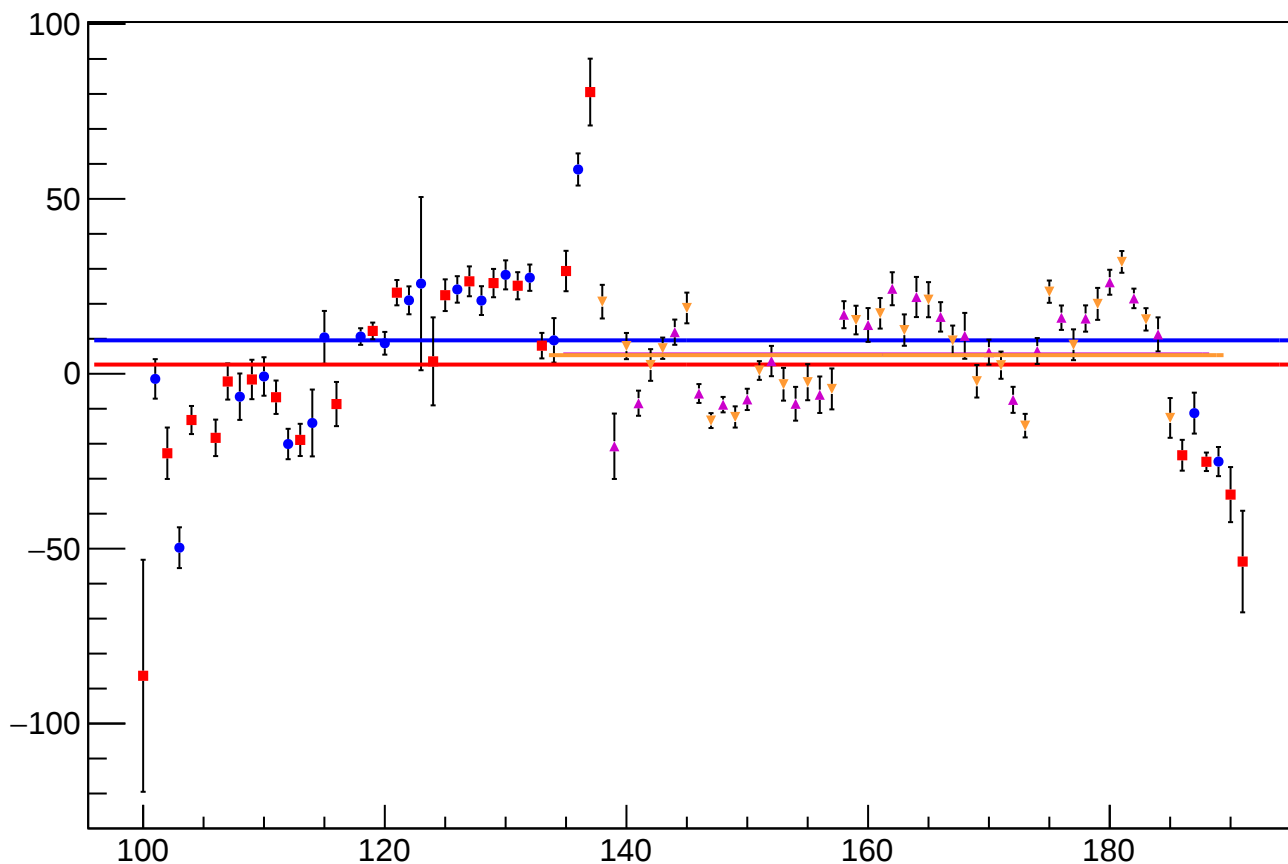
Left In: 183.984 $\pm$ 0.991 χ^2 /NDF: 3613.7/22

+ sign 176.707 $\pm$ 0.905 χ^2 /NDF: 5984.9/26

All: 185.388 $\pm$ 0.616 χ^2 /NDF: 10609.4/53

- sign 192.887 $\pm$ 0.841 χ^2 /NDF: 4453.0/26

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 9.555 ± 1.026 χ^2/NDF : 438.5/18

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: 2.631 ± 0.943 χ^2/NDF : 519.7/22

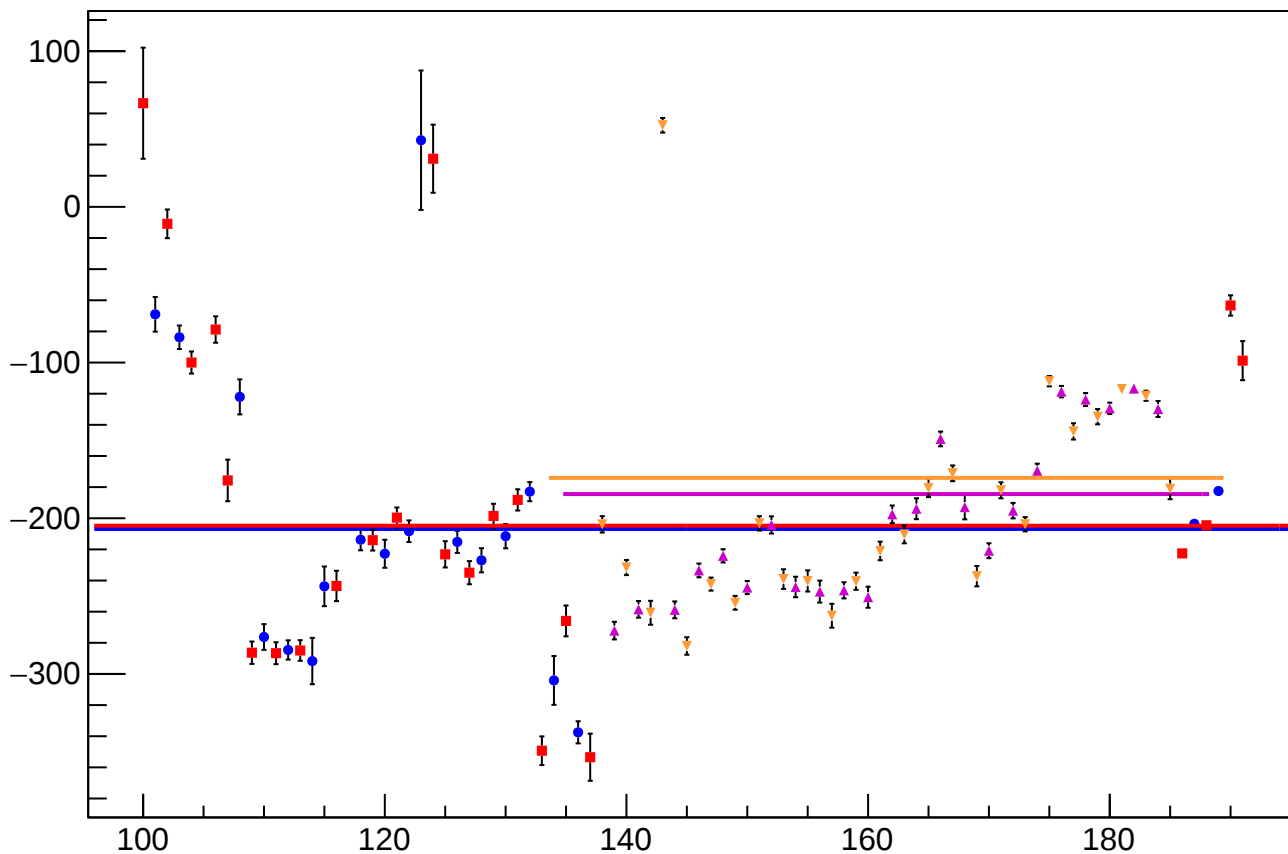
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 6.789 ± 0.604 χ^2/NDF : 795.2/43

All: 5.564 ± 0.426 χ^2/NDF : 1585.0/89

- sign 4.349 ± 0.602 χ^2/NDF : 781.7/45

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: -204.785 ± 1.073 χ^2/NDF : 2477.2/22

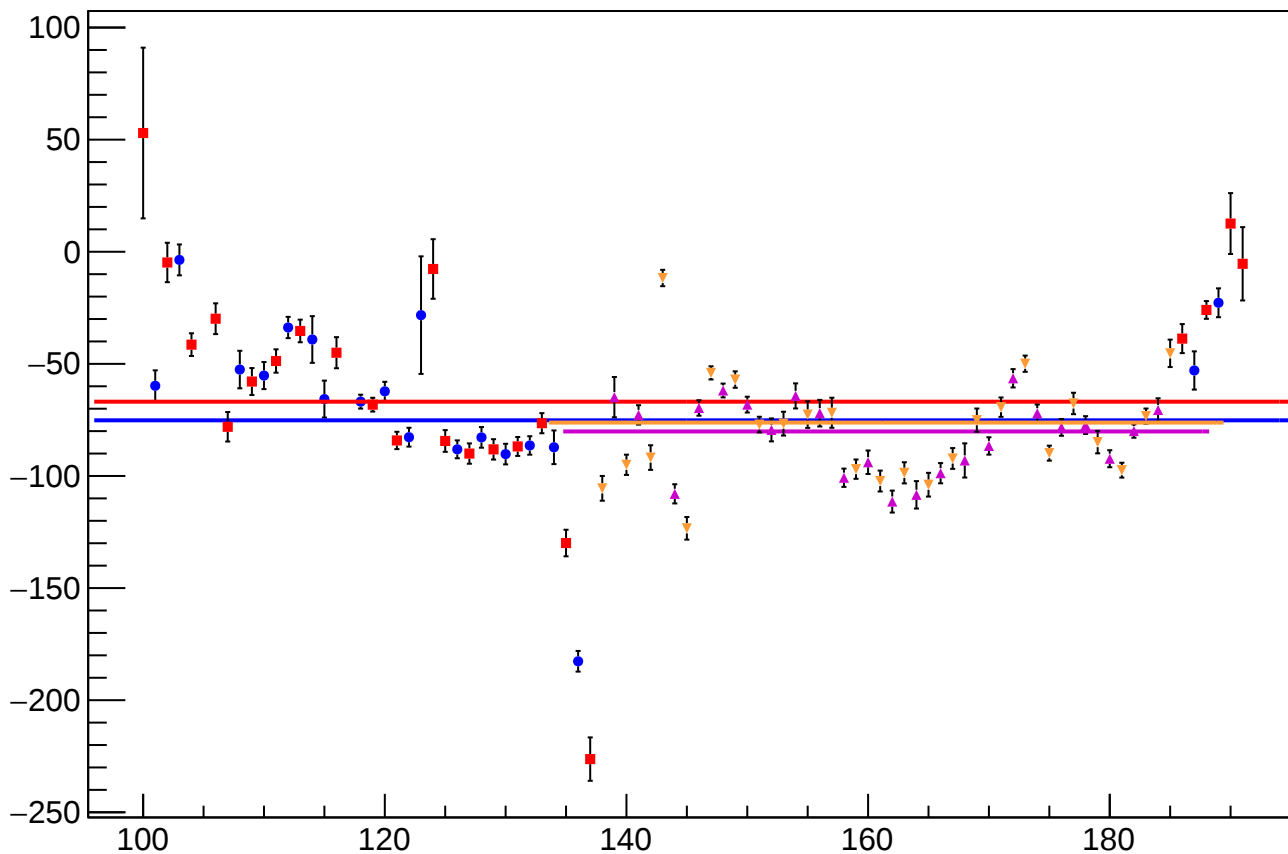
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -183.974 ± 0.811 χ^2/NDF : 7029.8/43

All: -189.419 ± 0.542 χ^2/NDF : 12833.6/89

- sign -193.805 ± 0.728 χ^2/NDF : 5722.4/45

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: -66.864 ± 1.131 χ^2/NDF : 867.2/22

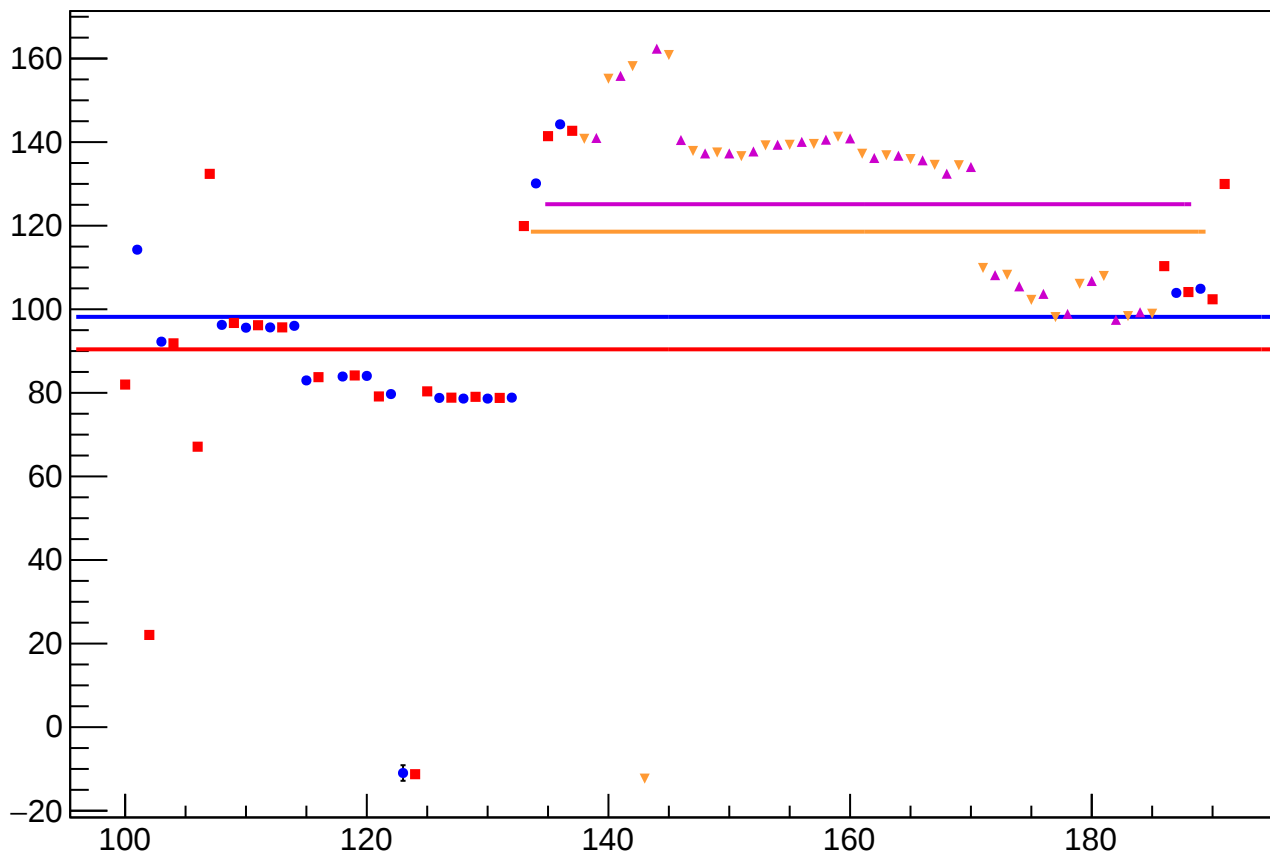
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -75.846 ± 0.698 χ^2/NDF : 1694.7/43

All: -75.461 ± 0.494 χ^2/NDF : 2931.0/89

- sign -75.076 ± 0.699 χ^2/NDF : 1235.7/45

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.182 ± 0.071 $\chi^2/\text{NDF}: 94582.9/18$

Left Out: 118.569 ± 0.040 $\chi^2/\text{NDF}: 728689.7/24$

Right Out: 90.410 ± 0.063 $\chi^2/\text{NDF}: 237859.7/22$

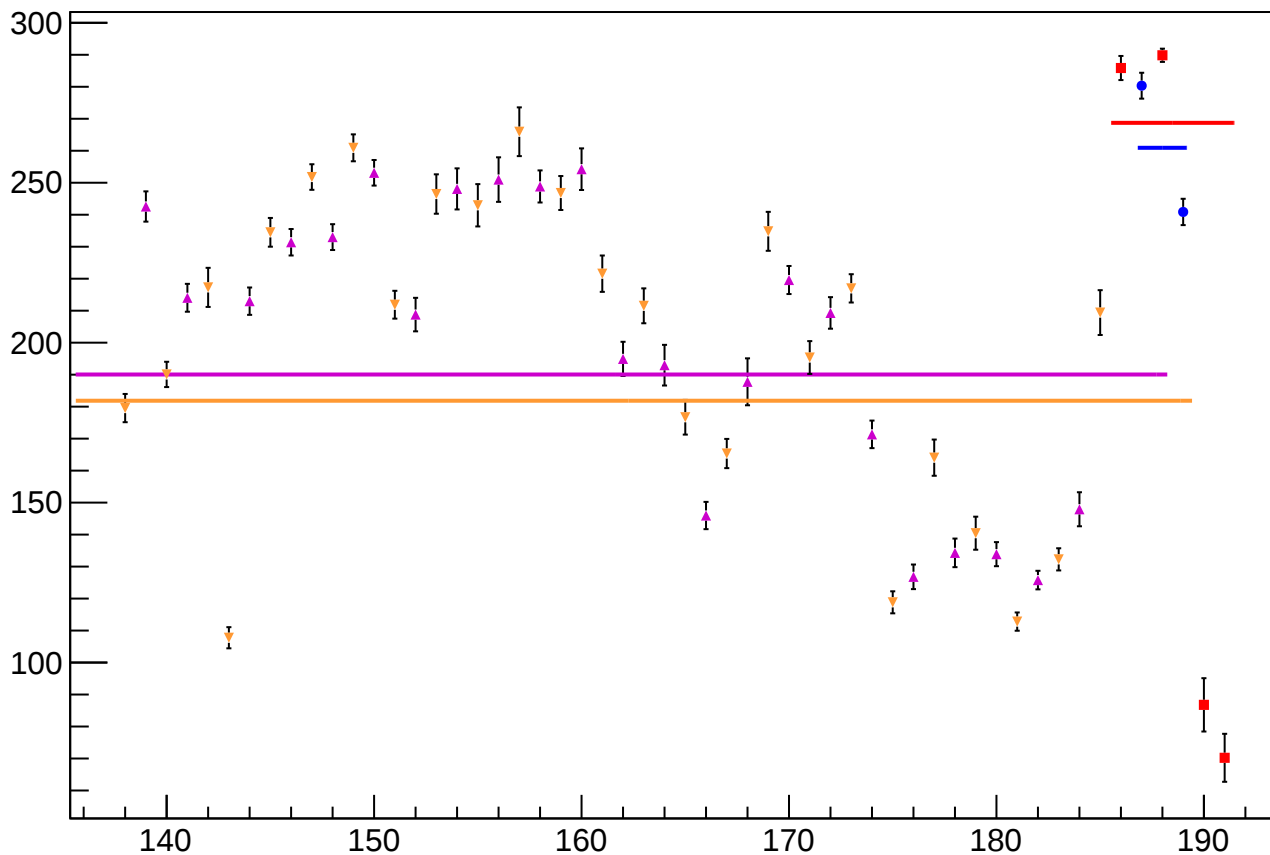
Left In: 125.139 ± 0.041 $\chi^2/\text{NDF}: 220927.1/22$

+ sign 113.564 ± 0.035 $\chi^2/\text{NDF}: 885495.1/43$

All: 114.135 ± 0.025 $\chi^2/\text{NDF}: 1557836.0/89$

- sign 114.685 ± 0.035 $\chi^2/\text{NDF}: 671824.2/45$

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: 268.726 $\pm$ 1.724 χ^2 /NDF: 1301.7/3

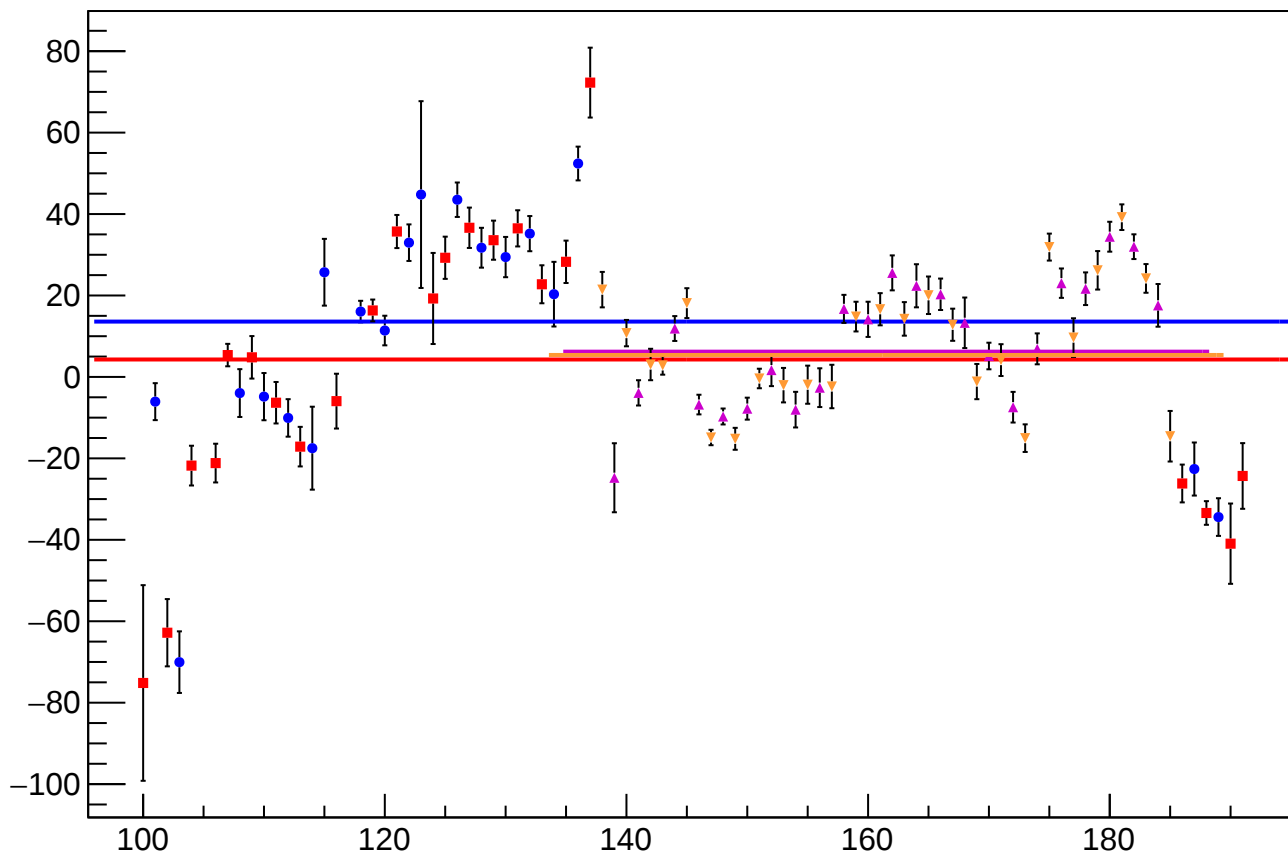
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 189.054 $\pm$ 0.871 χ^2 /NDF: 4033.0/26

All: 199.175 $\pm$ 0.602 χ^2 /NDF: 9627.5/53

- sign 208.459 $\pm$ 0.834 χ^2 /NDF: 5335.5/26

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 13.591 $\pm$ 1.116 χ^2 /NDF: 545.8/18

Left Out: 5.394 $\pm$ 0.688 χ^2 /NDF: 526.5/24

Right Out: 4.282 $\pm$ 0.980 χ^2 /NDF: 742.3/22

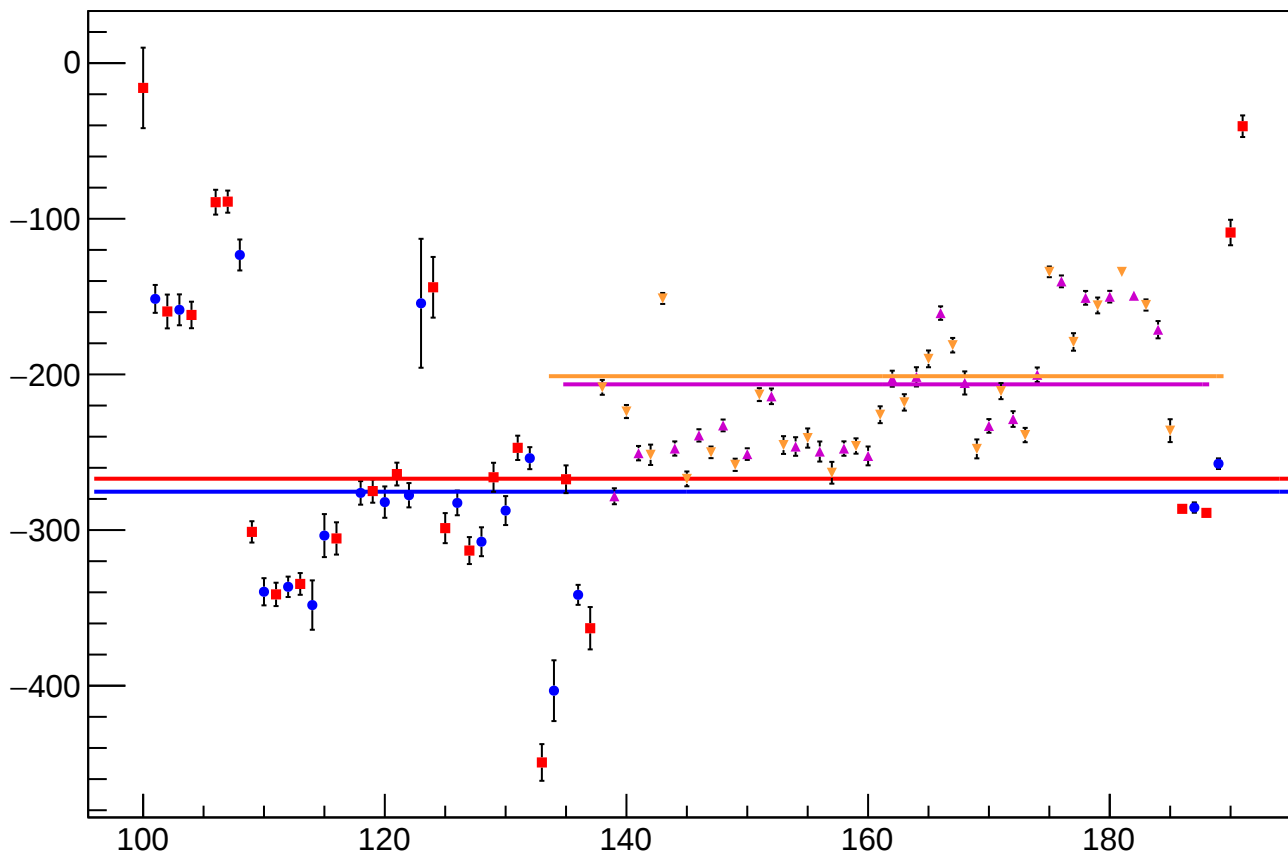
Left In: 6.206 $\pm$ 0.732 χ^2 /NDF: 407.5/22

+ sign 7.652 $\pm$ 0.586 χ^2 /NDF: 1111.4/43

All: 6.586 $\pm$ 0.414 χ^2 /NDF: 2270.3/89

- sign 5.518 $\pm$ 0.586 χ^2 /NDF: 1152.3/45

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -275.356 ± 1.612 χ^2/NDF : 949.1/18

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -267.000 ± 1.152 χ^2/NDF : 3727.7/22

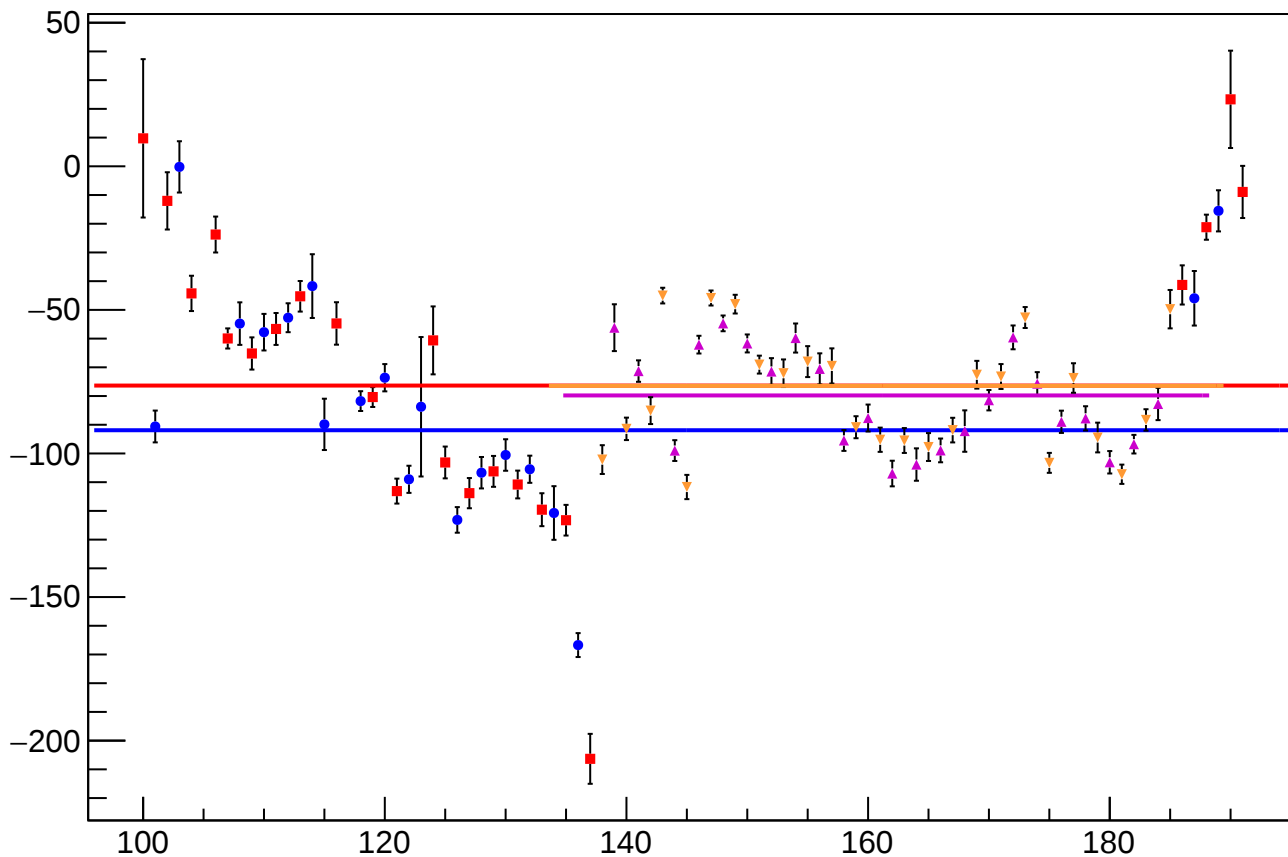
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -219.312 ± 0.798 χ^2/NDF : 5038.4/43

All: -225.594 ± 0.540 χ^2/NDF : 12640.4/89

- sign -230.896 ± 0.733 χ^2/NDF : 7487.6/45

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: -76.354 ± 1.178 χ^2/NDF : 1093.6/22

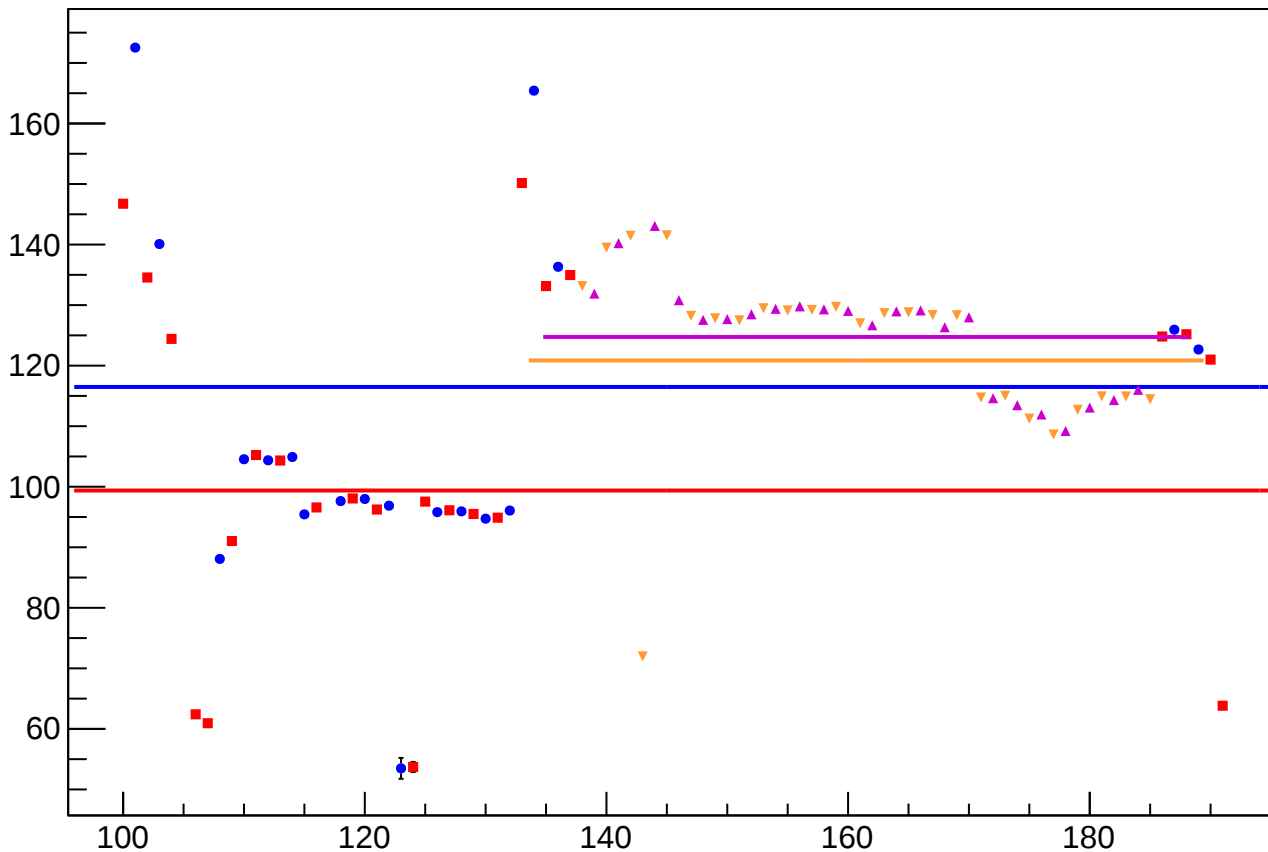
Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

+ sign -80.640 ± 0.680 χ^2/NDF : 1696.6/43

All: -79.642 ± 0.482 χ^2/NDF : 3212.4/89

- sign -78.634 ± 0.684 χ^2/NDF : 1511.5/45

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: 99.377 $\pm$ 0.063 χ^2 /NDF: 209991.6/22

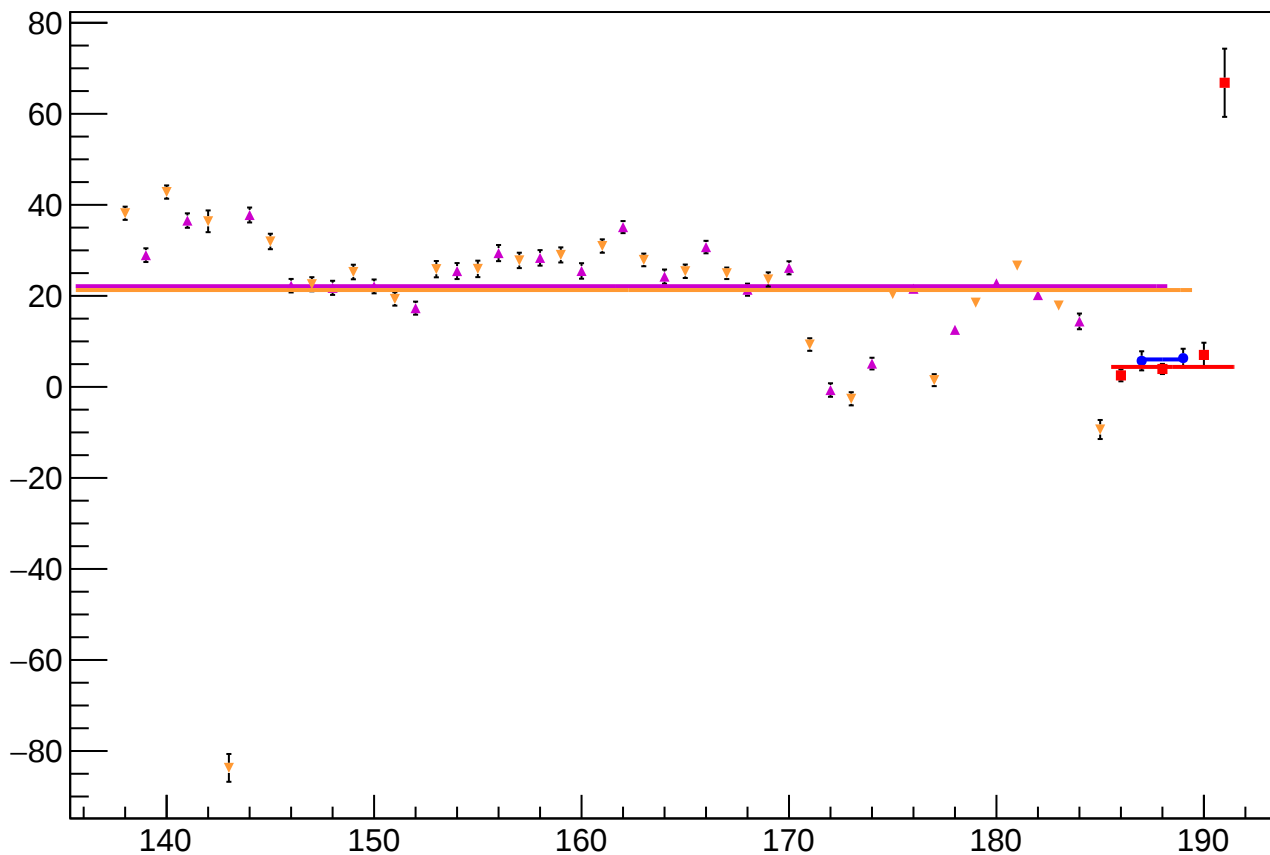
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 119.977 $\pm$ 0.034 χ^2 /NDF: 291728.3/43

All: 118.758 $\pm$ 0.024 χ^2 /NDF: 673150.2/89

- sign 117.593 $\pm$ 0.033 χ^2 /NDF: 378912.6/45

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 6.035 ± 1.467 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 21.282 ± 0.282 $\chi^2/\text{NDF}: 2600.5/24$

Right Out: 4.390 ± 0.801 $\chi^2/\text{NDF}: 72.6/3$

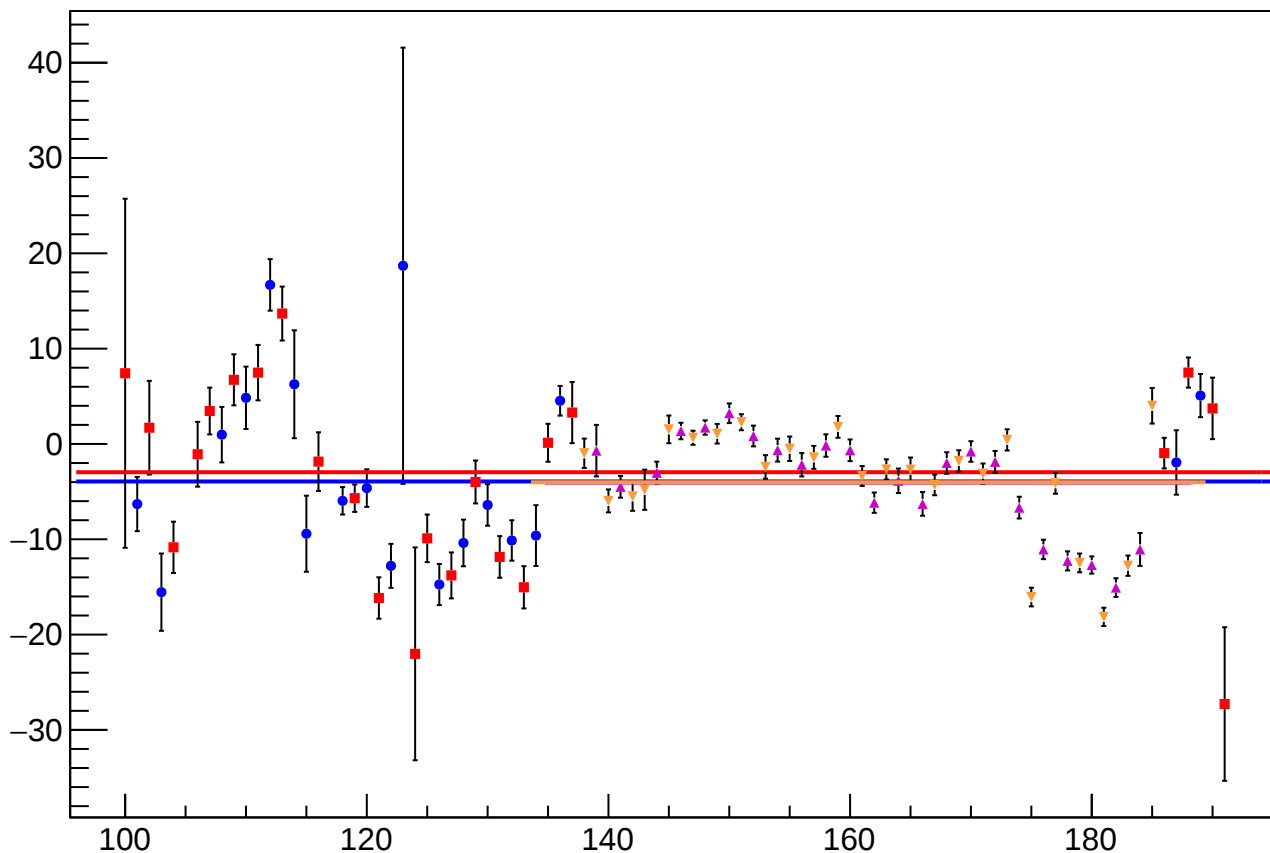
Left In: 22.127 ± 0.285 $\chi^2/\text{NDF}: 900.2/22$

+ sign 20.737 ± 0.277 $\chi^2/\text{NDF}: 2704.8/26$

All: 20.422 ± 0.193 $\chi^2/\text{NDF}: 4115.4/53$

- sign 20.127 ± 0.269 $\chi^2/\text{NDF}: 1408.1/26$

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -3.936 ± 0.562 $\chi^2/\text{NDF}: 190.9/18$

Left Out: -4.022 ± 0.223 $\chi^2/\text{NDF}: 734.1/24$

Right Out: -2.965 ± 0.512 $\chi^2/\text{NDF}: 260.4/22$

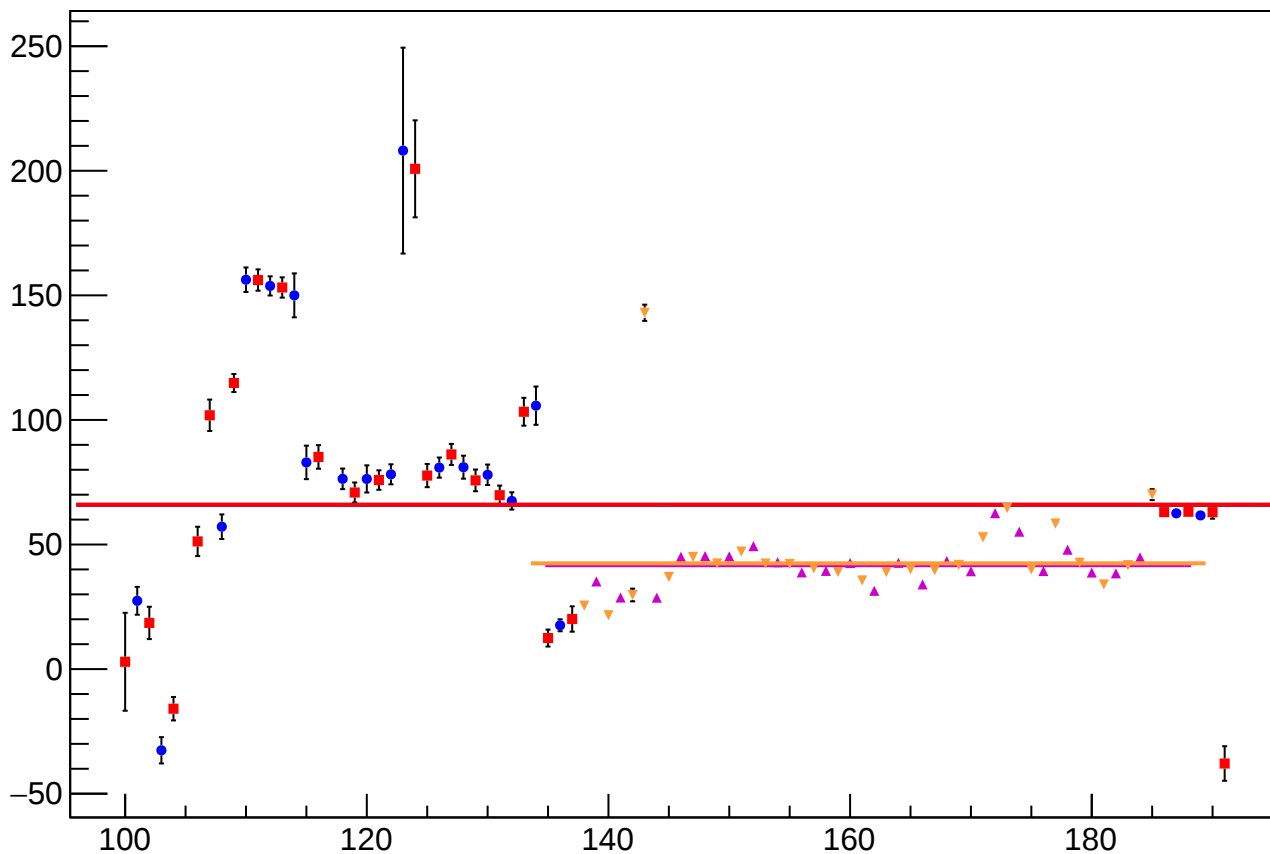
Left In: -4.059 ± 0.228 $\chi^2/\text{NDF}: 577.2/22$

+ sign -4.010 ± 0.207 $\chi^2/\text{NDF}: 925.0/43$

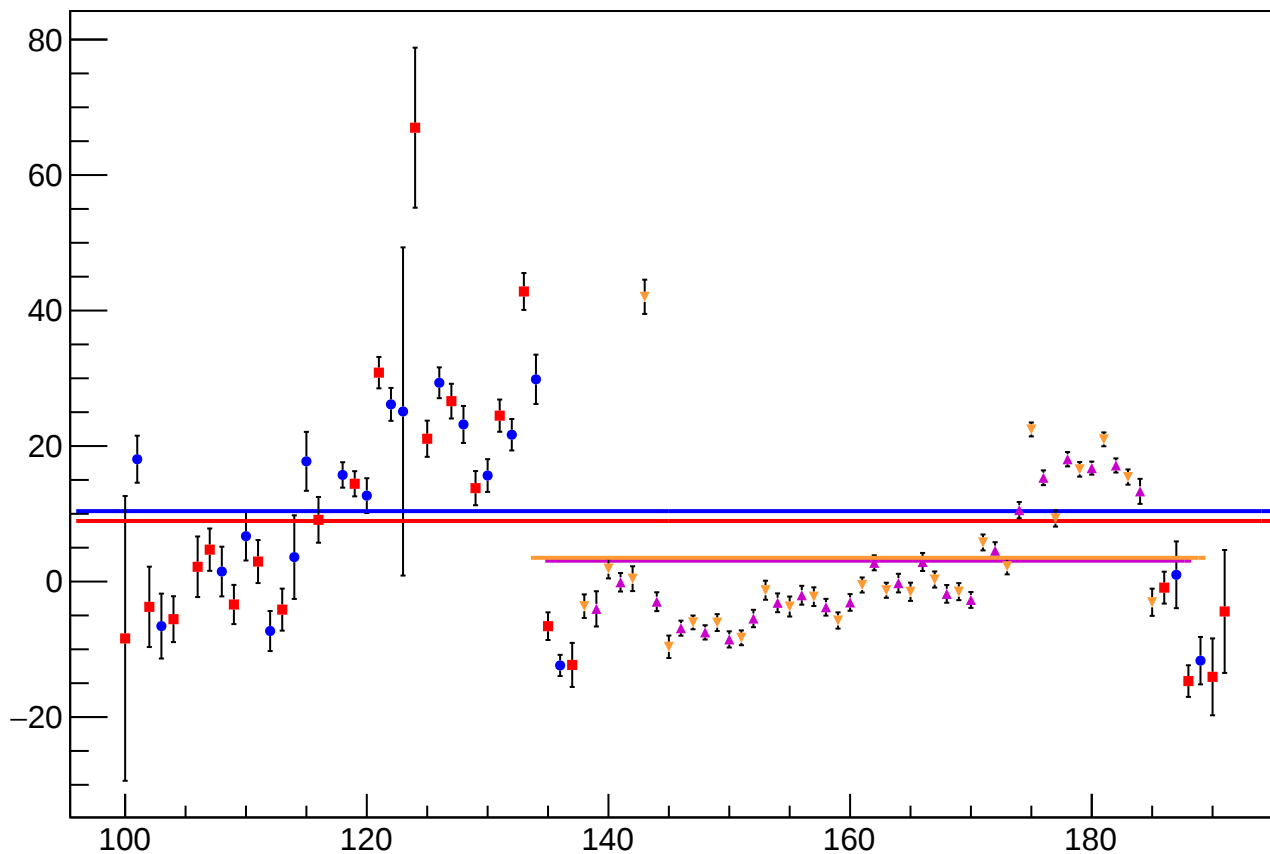
All: -3.944 ± 0.147 $\chi^2/\text{NDF}: 1766.7/89$

- sign -3.878 ± 0.208 $\chi^2/\text{NDF}: 841.4/45$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



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: 8.940+/-0.612 χ^2/NDF : 697.9/22

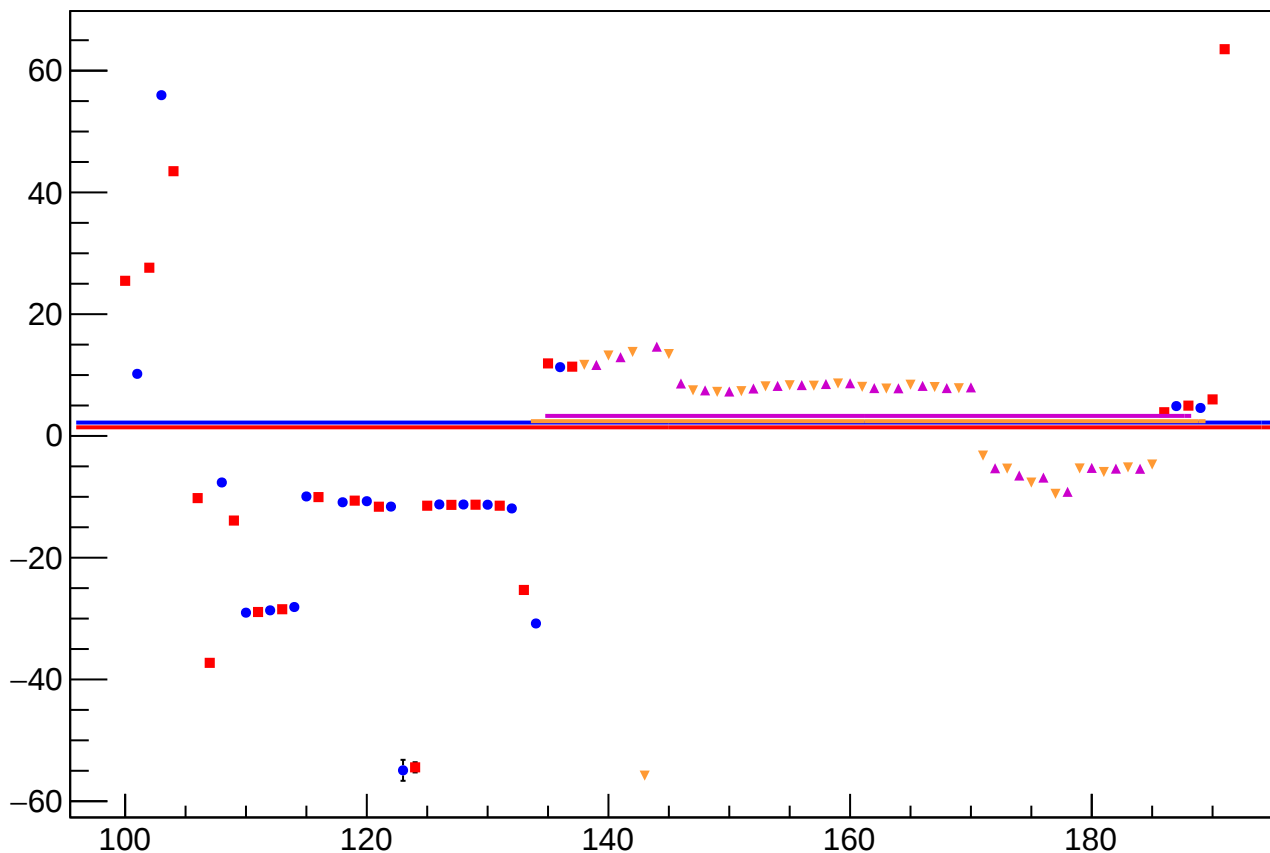
Left In: 3.081+/-0.257 χ^2/NDF : 1265.7/22

+ sign 4.409+/-0.235 χ^2/NDF : 2309.0/43

All: 4.186+/-0.167 χ^2/NDF : 4352.3/89

- sign 3.959+/-0.237 χ^2/NDF : 2041.5/45

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: 1.413 $\pm$ 0.034 χ^2 /NDF: 428302.8/22

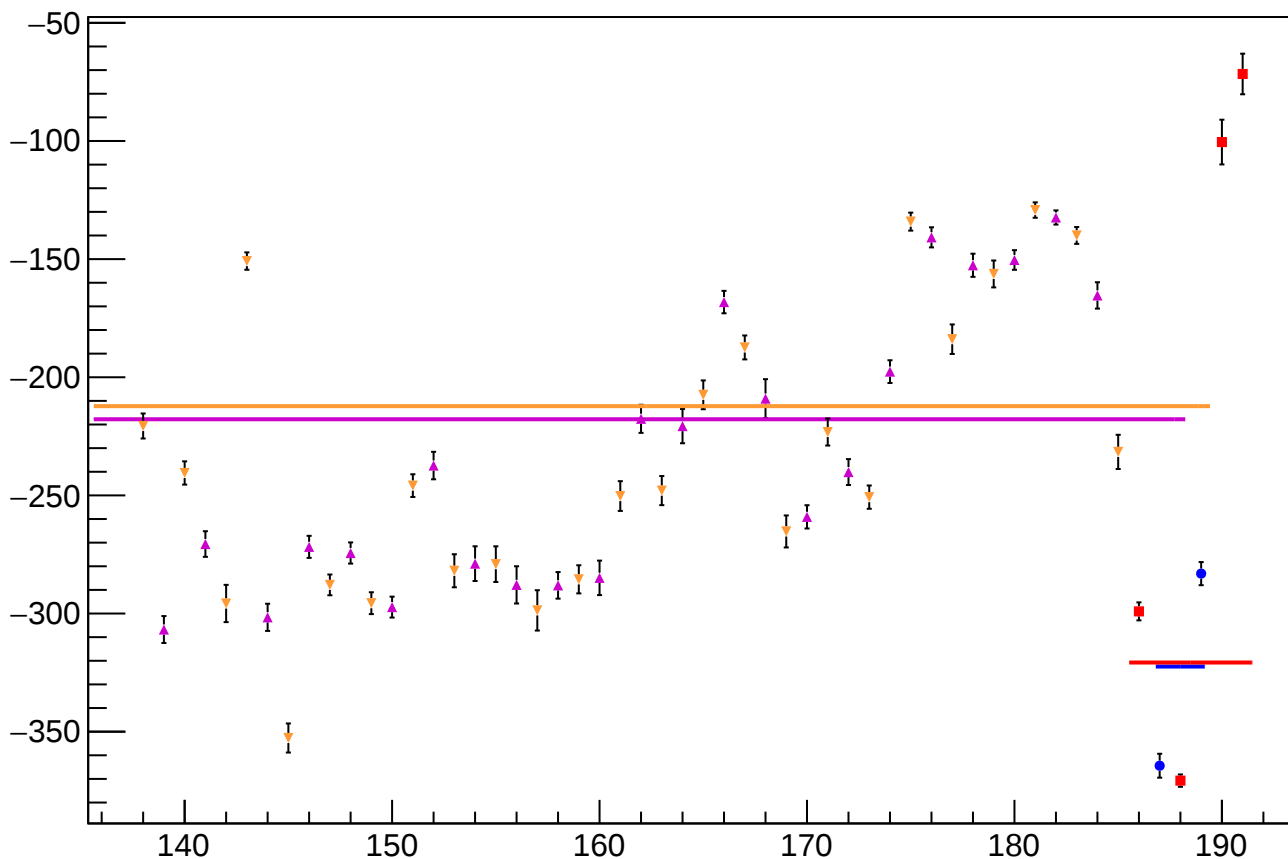
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.404 $\pm$ 0.011 χ^2 /NDF: 974667.8/43

All: 2.747 $\pm$ 0.008 χ^2 /NDF: 1812034.9/89

- sign 3.091 $\pm$ 0.011 χ^2 /NDF: 835420.0/45

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -322.437+/-3.520 χ^2/NDF : 133.2/1

Left Out: -212.231+/-1.029 χ^2/NDF : 3875.4/24

Right Out: -320.737+/-2.041 χ^2/NDF : 1780.7/3

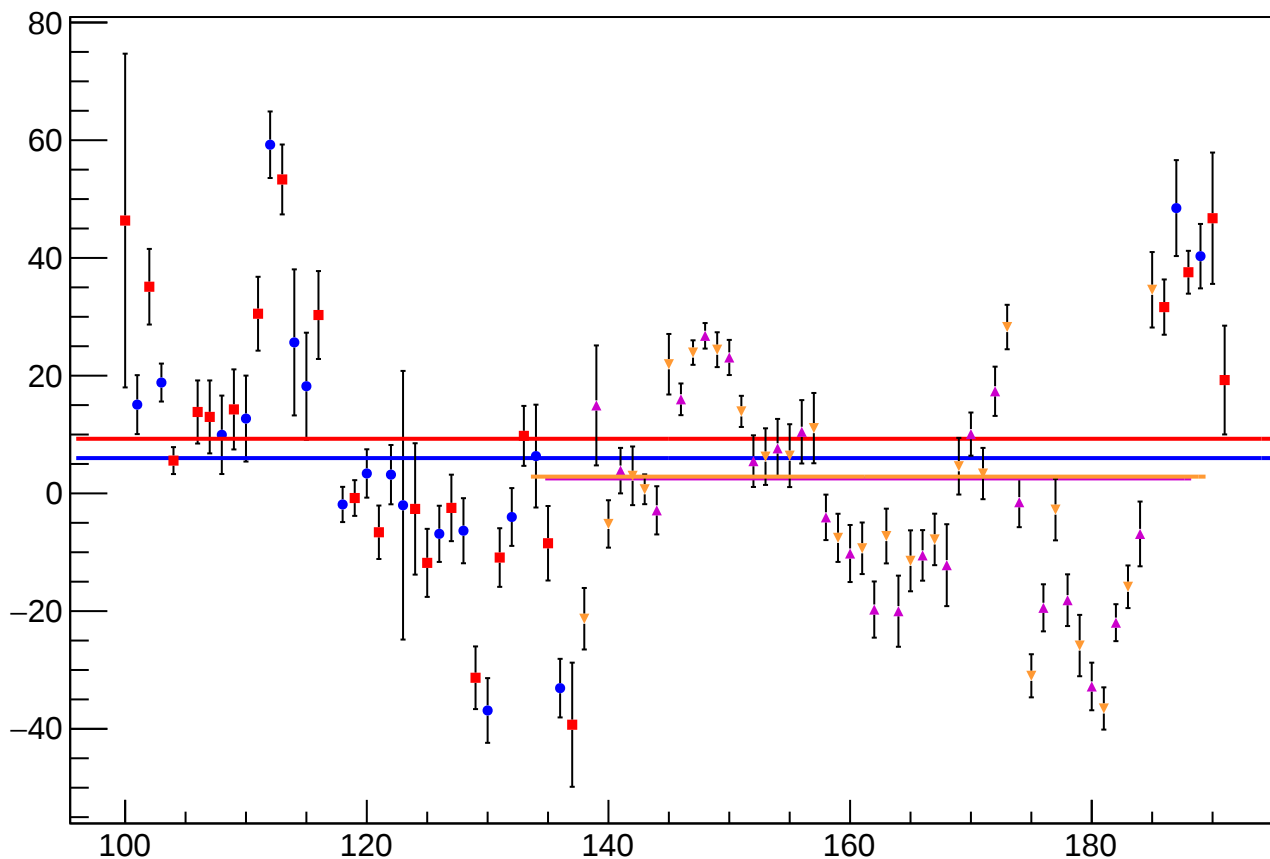
Left In: -217.779+/-1.067 χ^2/NDF : 3448.9/22

+ sign -220.912+/-0.988 χ^2/NDF : 4911.4/26

All: -230.813+/-0.683 χ^2/NDF : 12332.6/53

- sign -239.878+/-0.945 χ^2/NDF : 7228.9/26

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: 9.278 ± 1.062 χ^2/NDF : 337.9/22

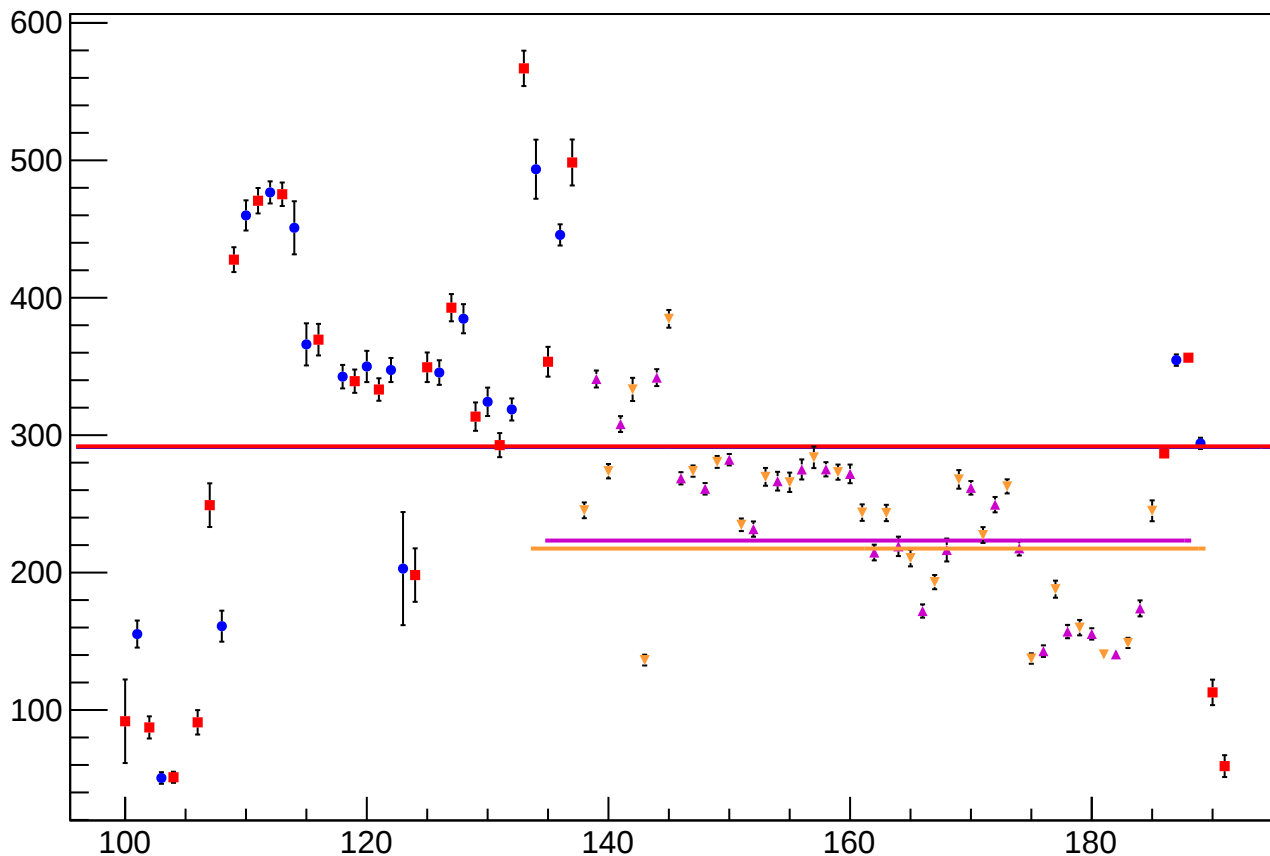
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 3.772 ± 0.651 χ^2/NDF : 913.5/43

All: 4.419 ± 0.460 χ^2/NDF : 1752.1/89

- sign 5.065 ± 0.650 χ^2/NDF : 836.7/45

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: 291.832 $\pm$ 1.299 χ^2 /NDF: 8908.5/22

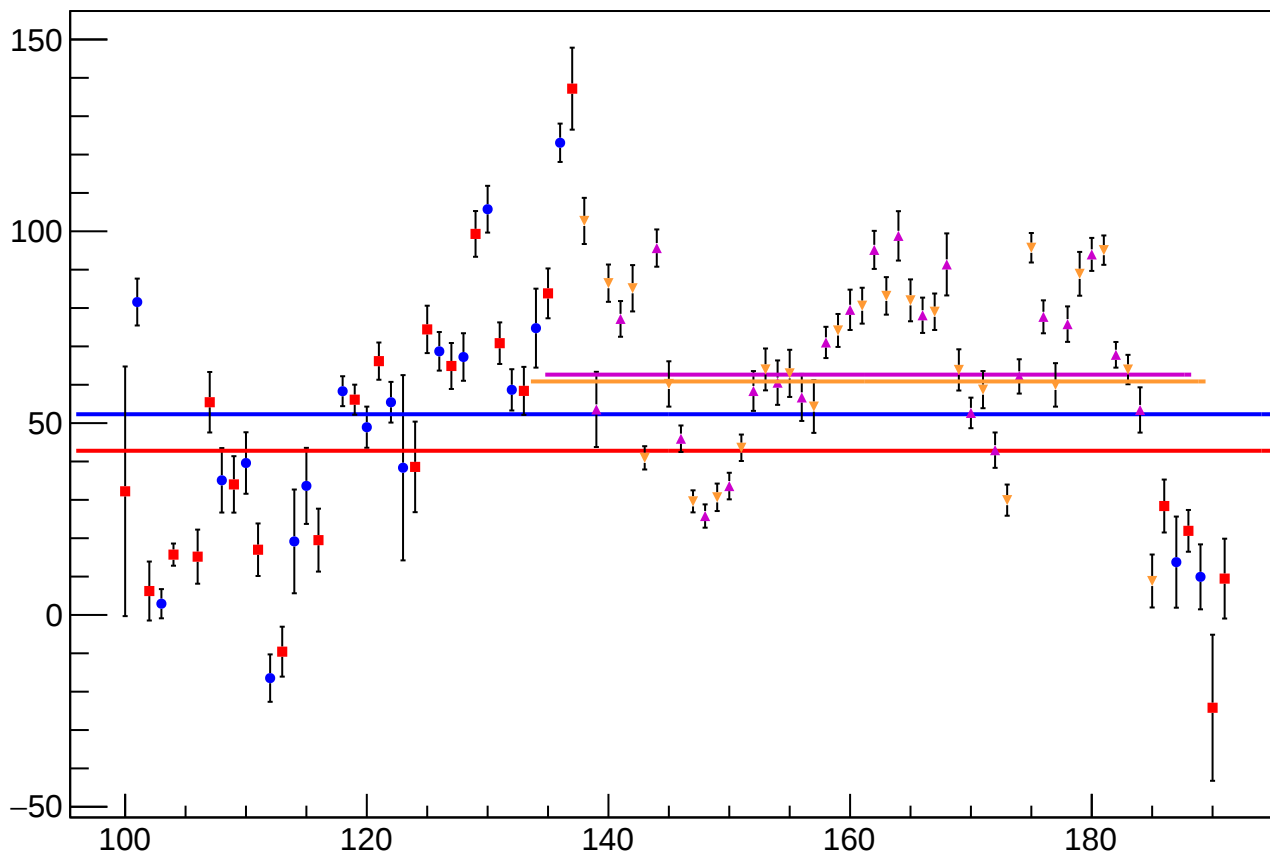
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 236.386 $\pm$ 0.891 χ^2 /NDF: 10474.6/43

All: 244.151 $\pm$ 0.604 χ^2 /NDF: 24570.2/89

- sign 250.765 $\pm$ 0.822 χ^2 /NDF: 13954.9/45

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: 42.795 $\pm$ 1.282 χ^2/NDF : 574.1/22

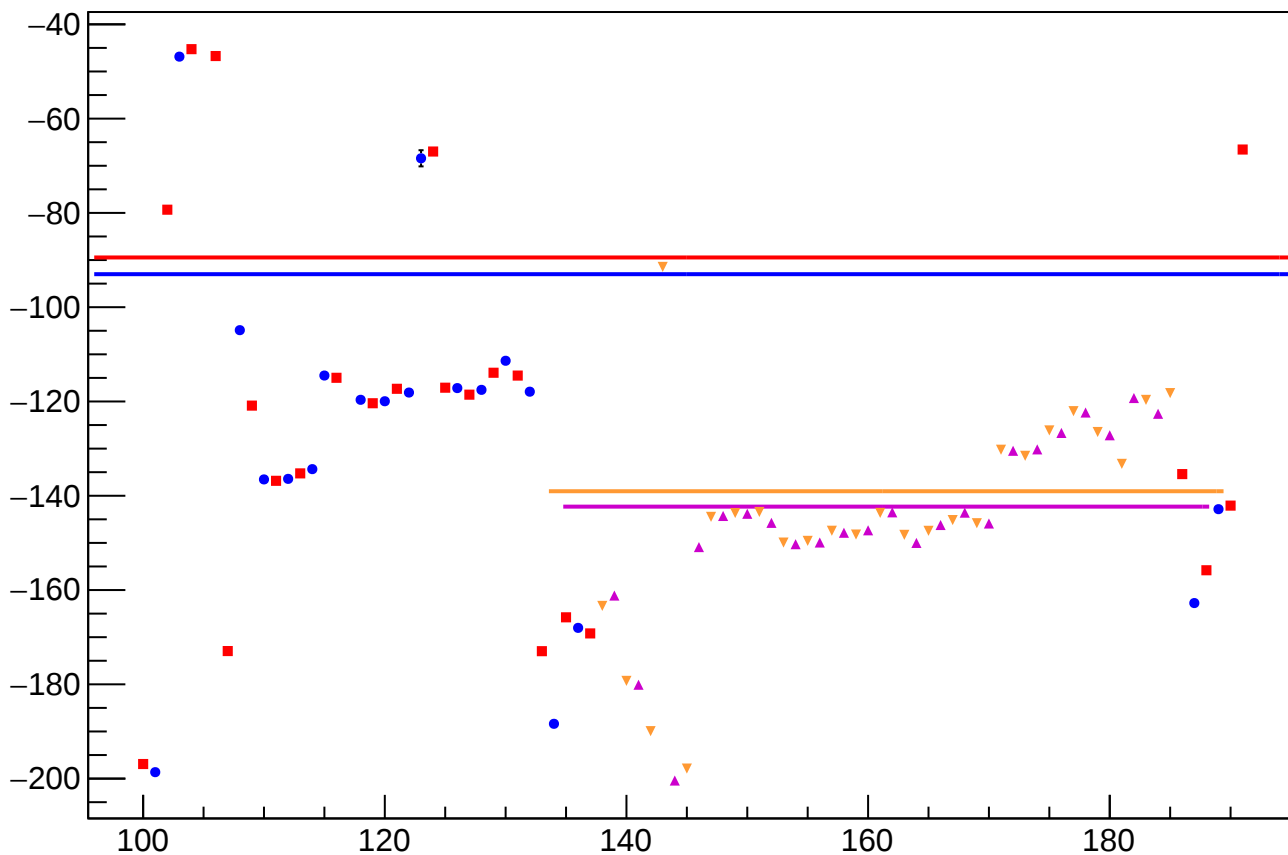
Left In: 62.640 $\pm$ 0.943 χ^2/NDF : 515.4/22

+ sign 58.403 $\pm$ 0.757 χ^2/NDF : 1428.2/43

All: 57.045 $\pm$ 0.536 χ^2/NDF : 2679.6/89

- sign 55.678 $\pm$ 0.760 χ^2/NDF : 1245.0/45

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -92.998 $\pm$ 0.067 χ^2 /NDF: 560653.0/18

Left Out: -139.040 $\pm$ 0.043 χ^2 /NDF: 258113.4/24

Right Out: -89.452 $\pm$ 0.061 χ^2 /NDF: 575531.6/22

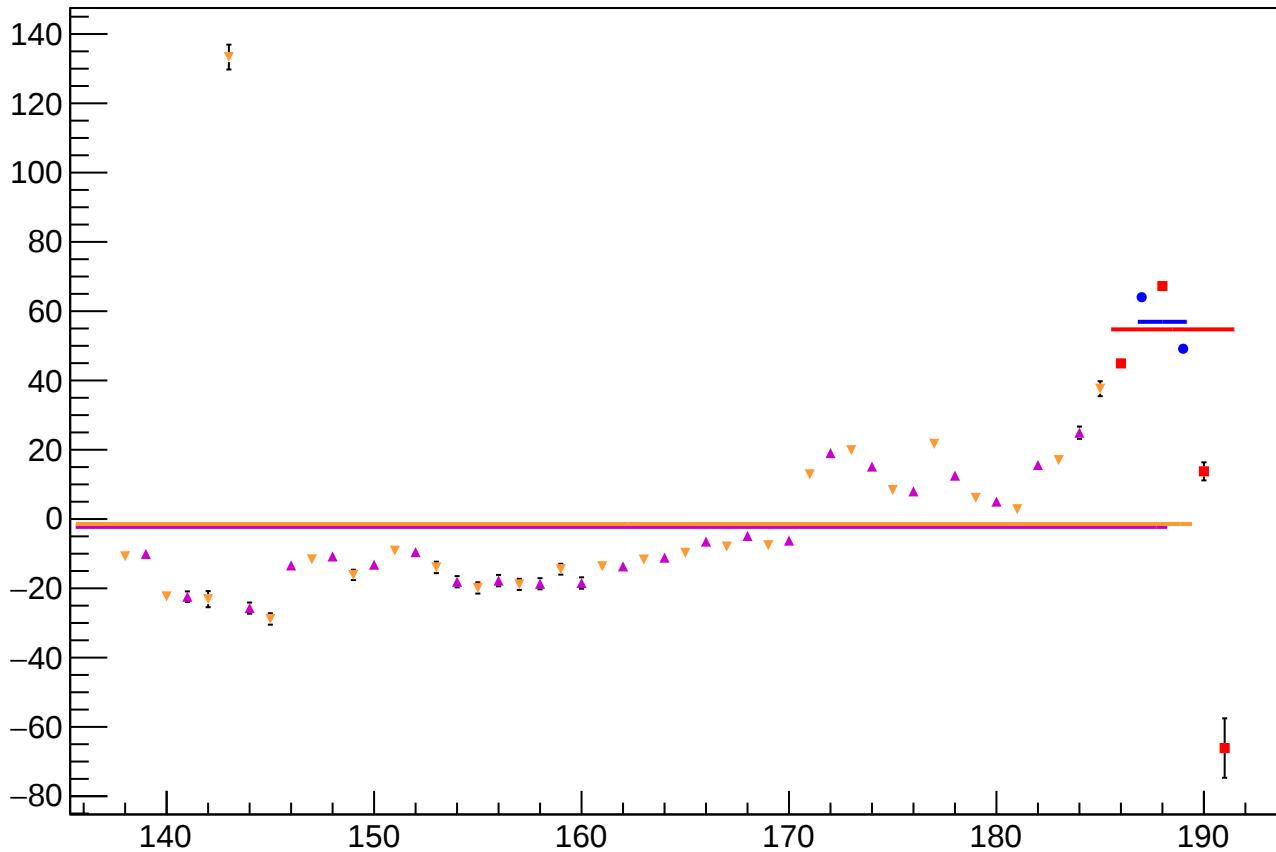
Left In: -142.305 $\pm$ 0.044 χ^2 /NDF: 143351.8/22

+ sign -125.526 $\pm$ 0.036 χ^2 /NDF: 1157332.7/43

All: -124.869 $\pm$ 0.025 χ^2 /NDF: 2368780.5/89

- sign -124.223 $\pm$ 0.036 χ^2 /NDF: 1210788.8/45

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: 54.748 $\pm$ 0.562 χ^2 /NDF: 836.1/3

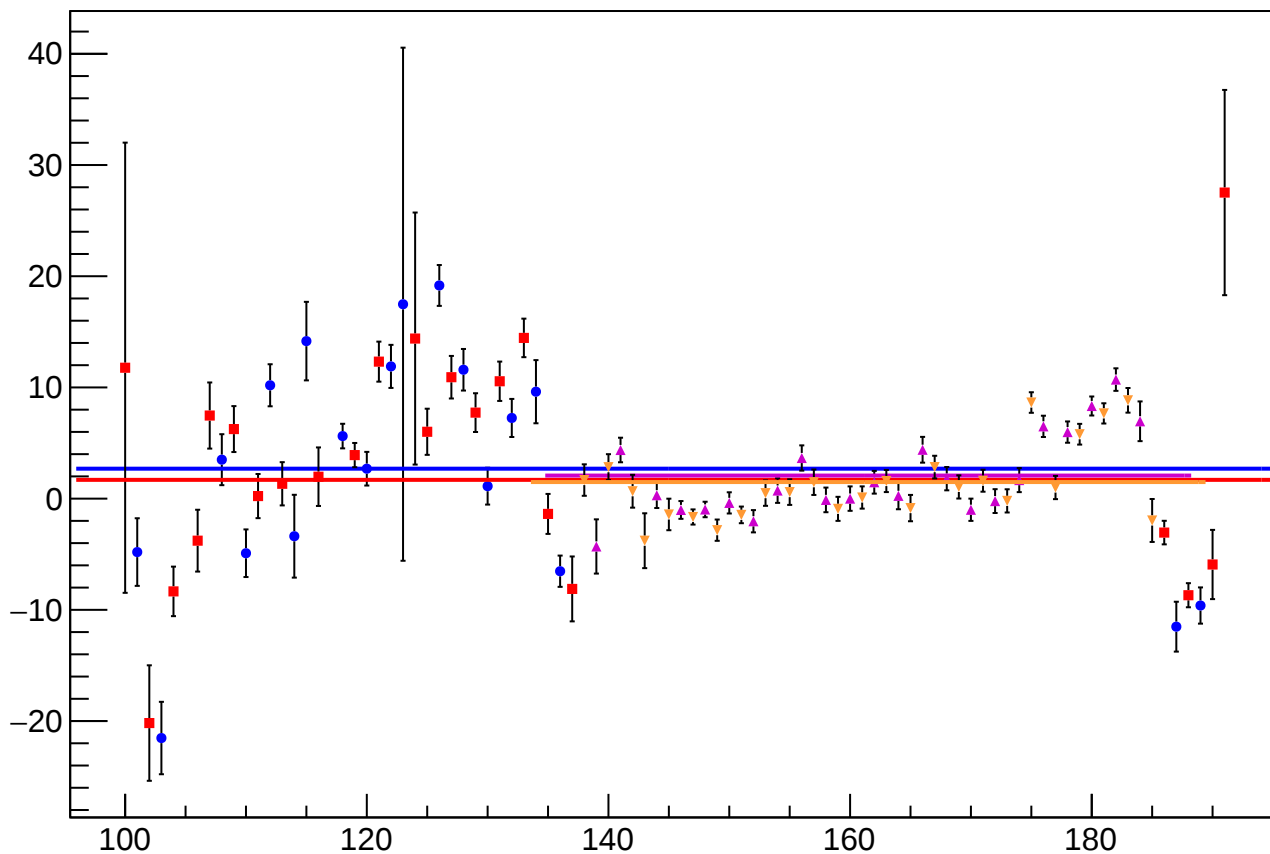
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 2.426 $\pm$ 0.259 χ^2 /NDF: 7533.2/26

All: 5.625 $\pm$ 0.177 χ^2 /NDF: 19533.6/53

- sign 8.469 $\pm$ 0.244 χ^2 /NDF: 11711.5/26

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.694 ± 0.444 χ^2/NDF : 390.4/18

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: 1.689 ± 0.398 χ^2/NDF : 350.4/22

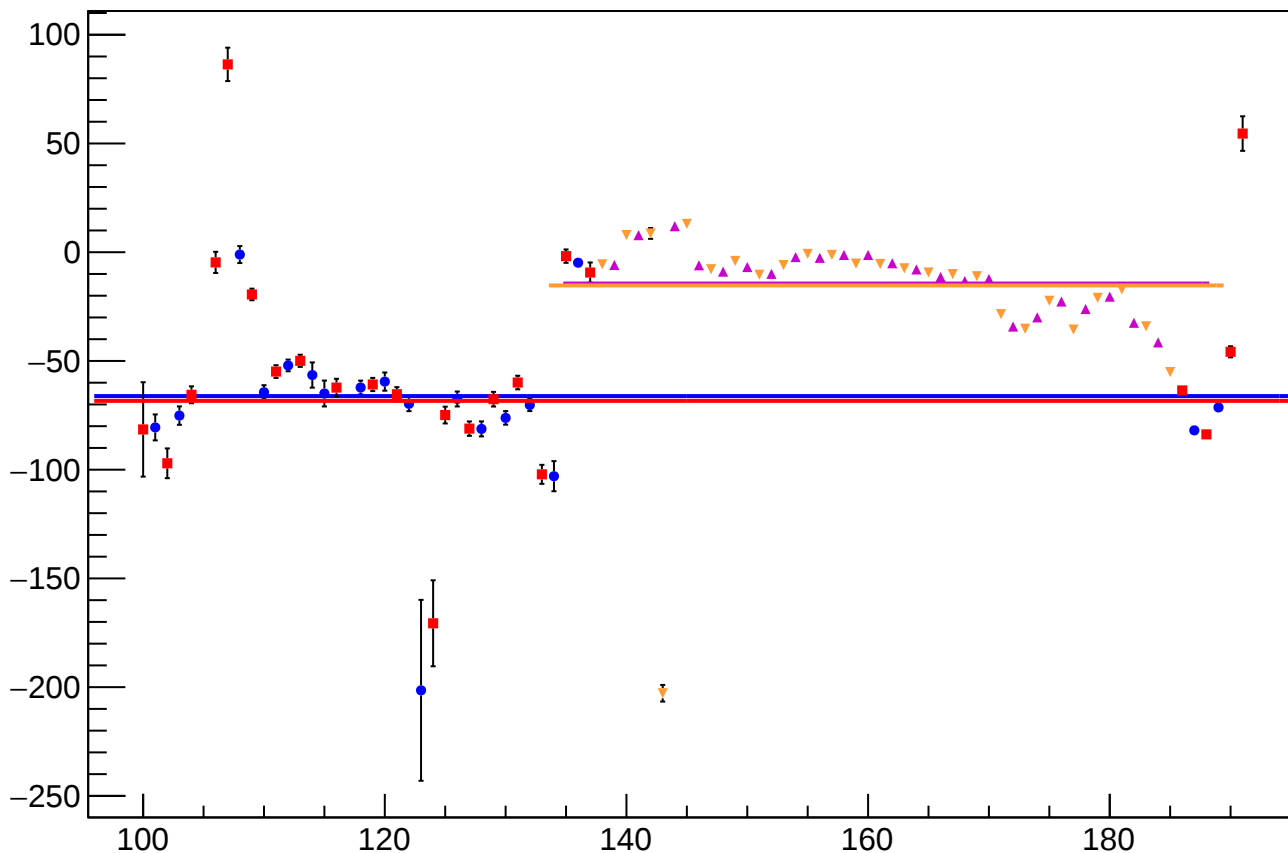
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.711 ± 0.190 χ^2/NDF : 655.5/43

All: 1.850 ± 0.134 χ^2/NDF : 1282.3/89

- sign 1.987 ± 0.189 χ^2/NDF : 625.7/45

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: -68.350 ± 0.402 χ^2/NDF : 2730.2/22

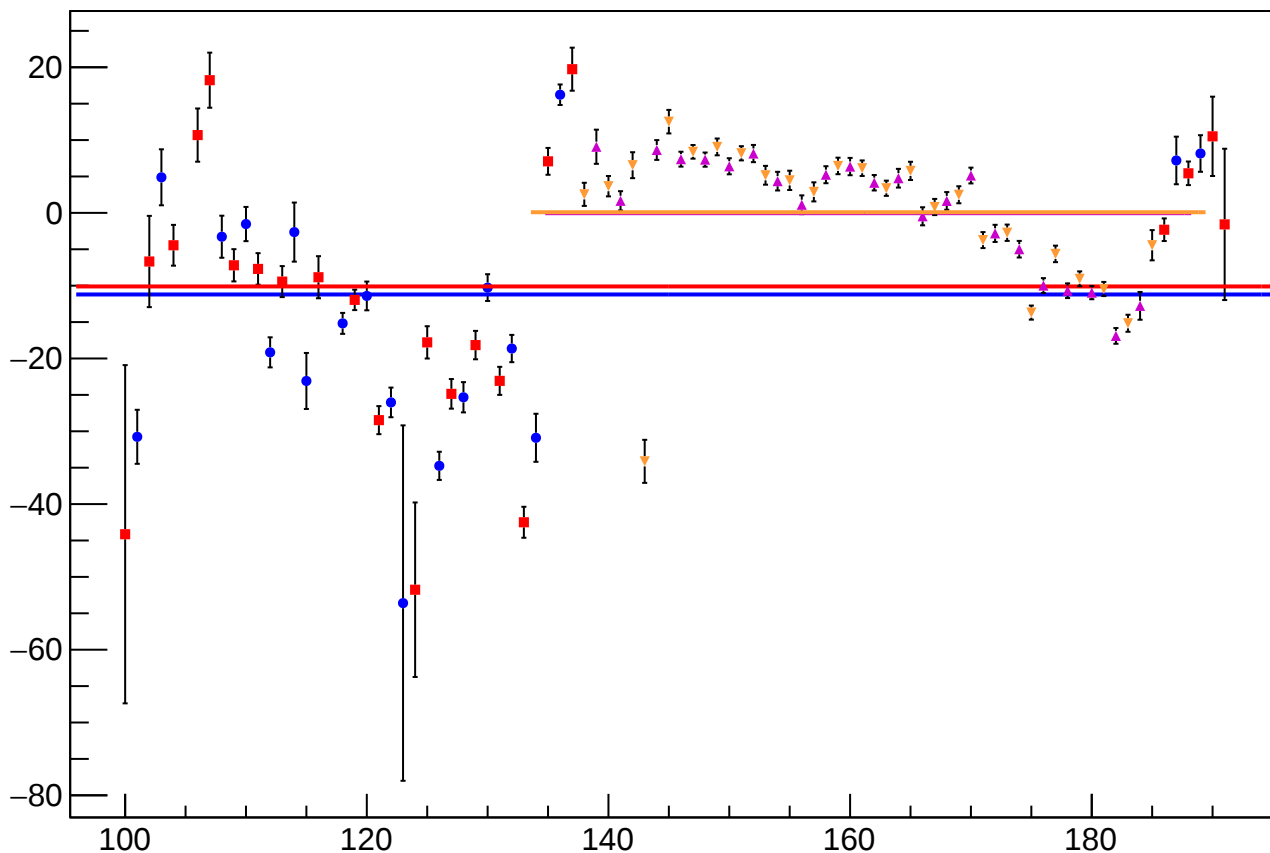
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -23.637 ± 0.244 χ^2/NDF : 12200.8/43

All: -27.696 ± 0.165 χ^2/NDF : 29914.3/89

- sign -31.108 ± 0.224 χ^2/NDF : 17203.8/45

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -11.208 ± 0.519 χ^2/NDF : 877.5/18

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -10.105 ± 0.483 χ^2/NDF : 882.5/22

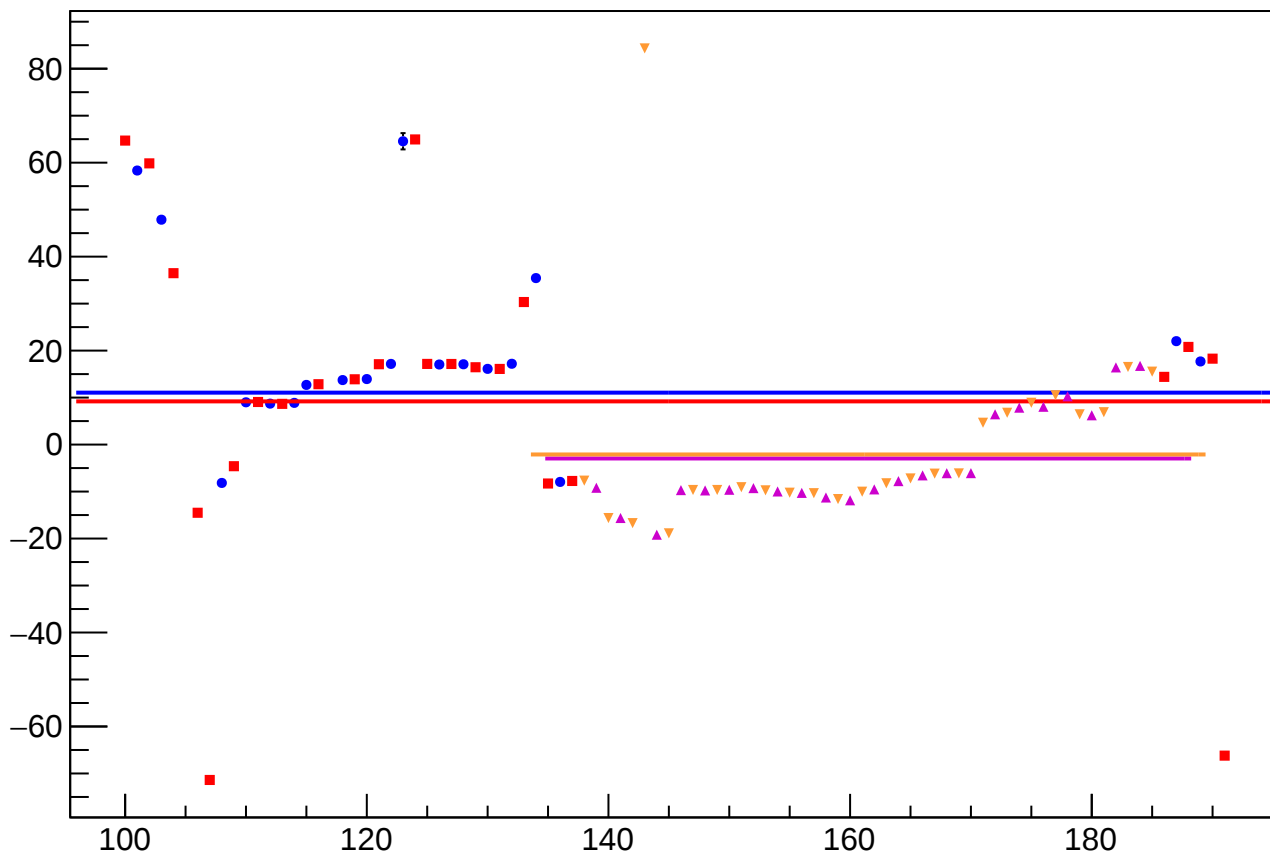
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.879 ± 0.217 χ^2/NDF : 2440.9/43

All: -1.977 ± 0.153 χ^2/NDF : 4698.1/89

- sign -2.076 ± 0.217 χ^2/NDF : 2256.8/45

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: 9.193+/-0.028 χ^2/NDF : 640148.8/22

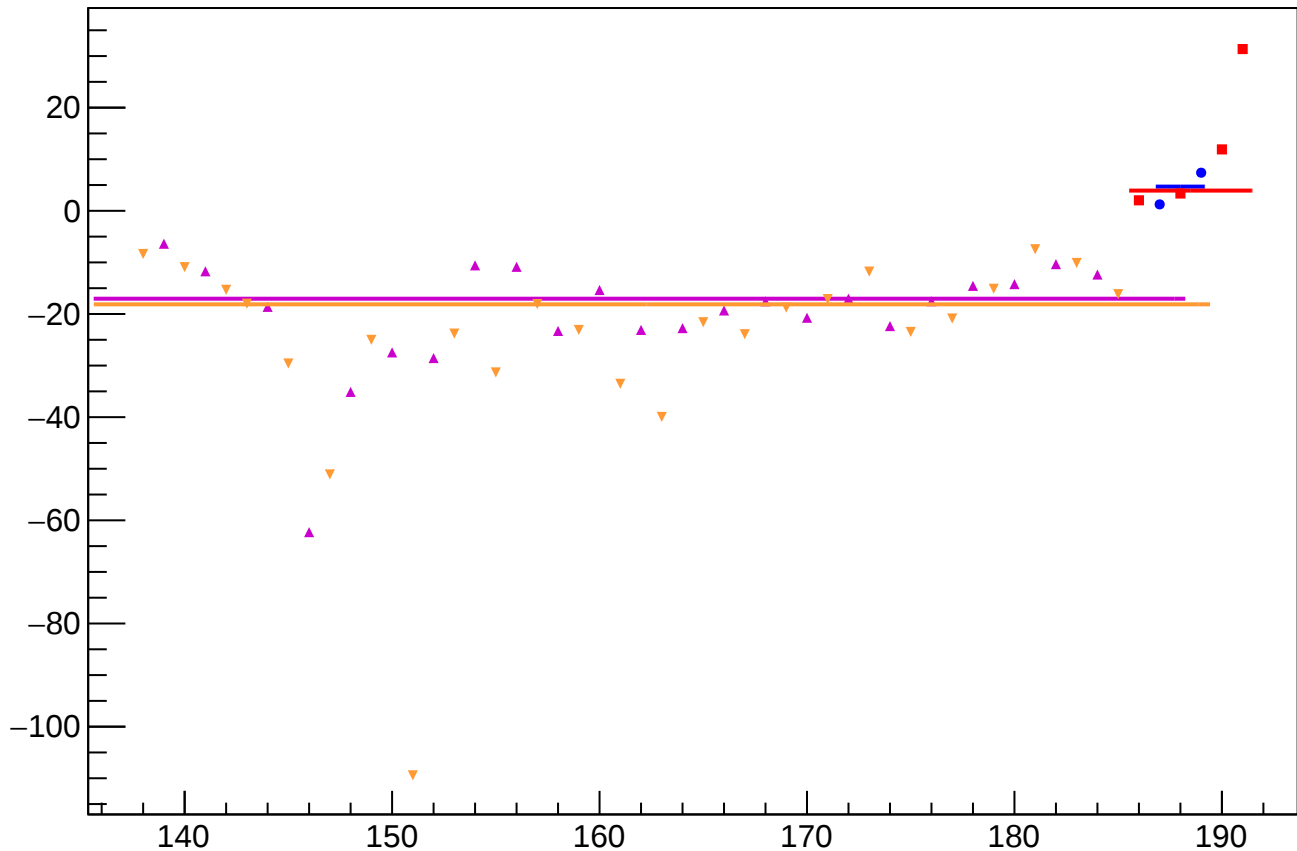
Left In: -2.959+/-0.011 χ^2/NDF : 763000.9/22

+ sign -0.508+/-0.010 χ^2/NDF : 1657208.5/43

All: -0.915+/-0.007 χ^2/NDF : 3227943.7/89

- sign -1.321+/-0.010 χ^2/NDF : 1567574.9/45

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: 3.921 ± 0.092 $\chi^2/\text{NDF}: 1630.5/3$

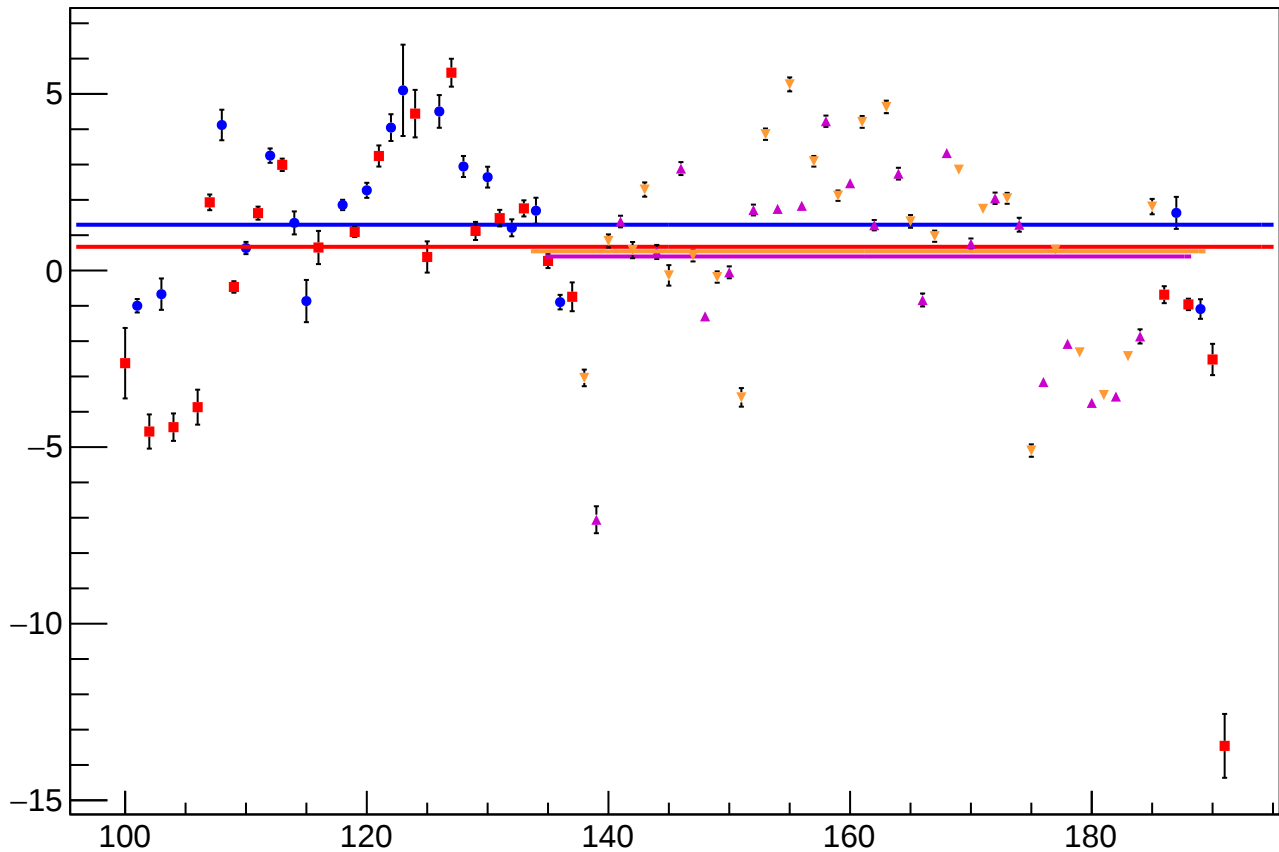
Left In: -17.038 ± 0.038 $\chi^2/\text{NDF}: 44141.1/22$

+ sign -17.177 ± 0.038 $\chi^2/\text{NDF}: 103147.0/26$

All: -15.456 ± 0.026 $\chi^2/\text{NDF}: 196716.0/53$

- sign -13.982 ± 0.035 $\chi^2/\text{NDF}: 89780.4/26$

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: 0.671 ± 0.053 $\chi^2/\text{NDF}: 1420.5/22$

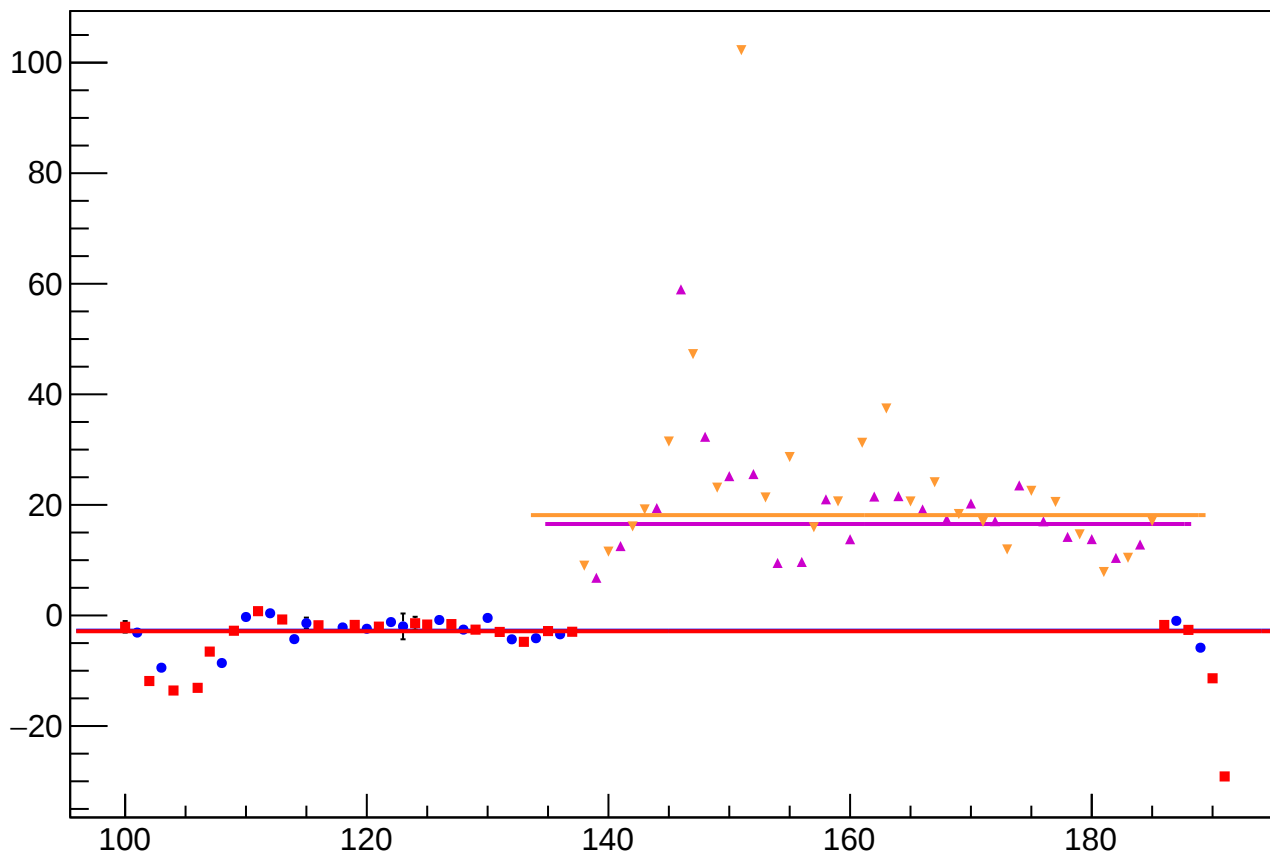
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.713 ± 0.028 $\chi^2/\text{NDF}: 7919.5/43$

All: 0.581 ± 0.019 $\chi^2/\text{NDF}: 15635.9/89$

- sign 0.466 ± 0.027 $\chi^2/\text{NDF}: 7676.3/45$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.750 ± 0.091 $\chi^2/\text{NDF}: 739.5/18$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -2.859 ± 0.060 $\chi^2/\text{NDF}: 2624.4/22$

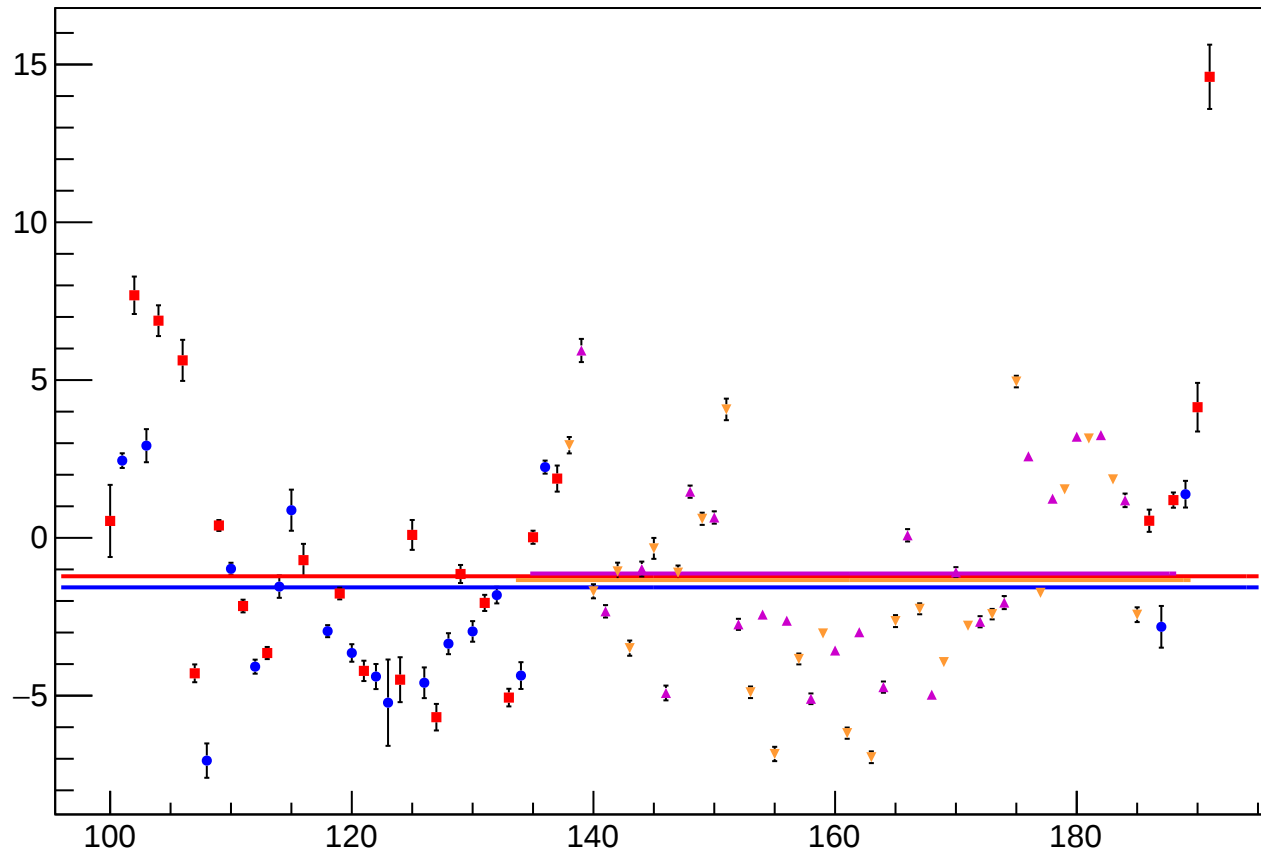
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 14.871 ± 0.036 $\chi^2/\text{NDF}: 123435.0/43$

All: 12.721 ± 0.024 $\chi^2/\text{NDF}: 248509.6/89$

- sign 11.019 ± 0.032 $\chi^2/\text{NDF}: 118648.7/45$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.569 ± 0.070 $\chi^2/\text{NDF}: 1311.8/18$

Left Out: -1.338 ± 0.036 $\chi^2/\text{NDF}: 7943.1/24$

Right Out: -1.217 ± 0.062 $\chi^2/\text{NDF}: 1945.9/22$

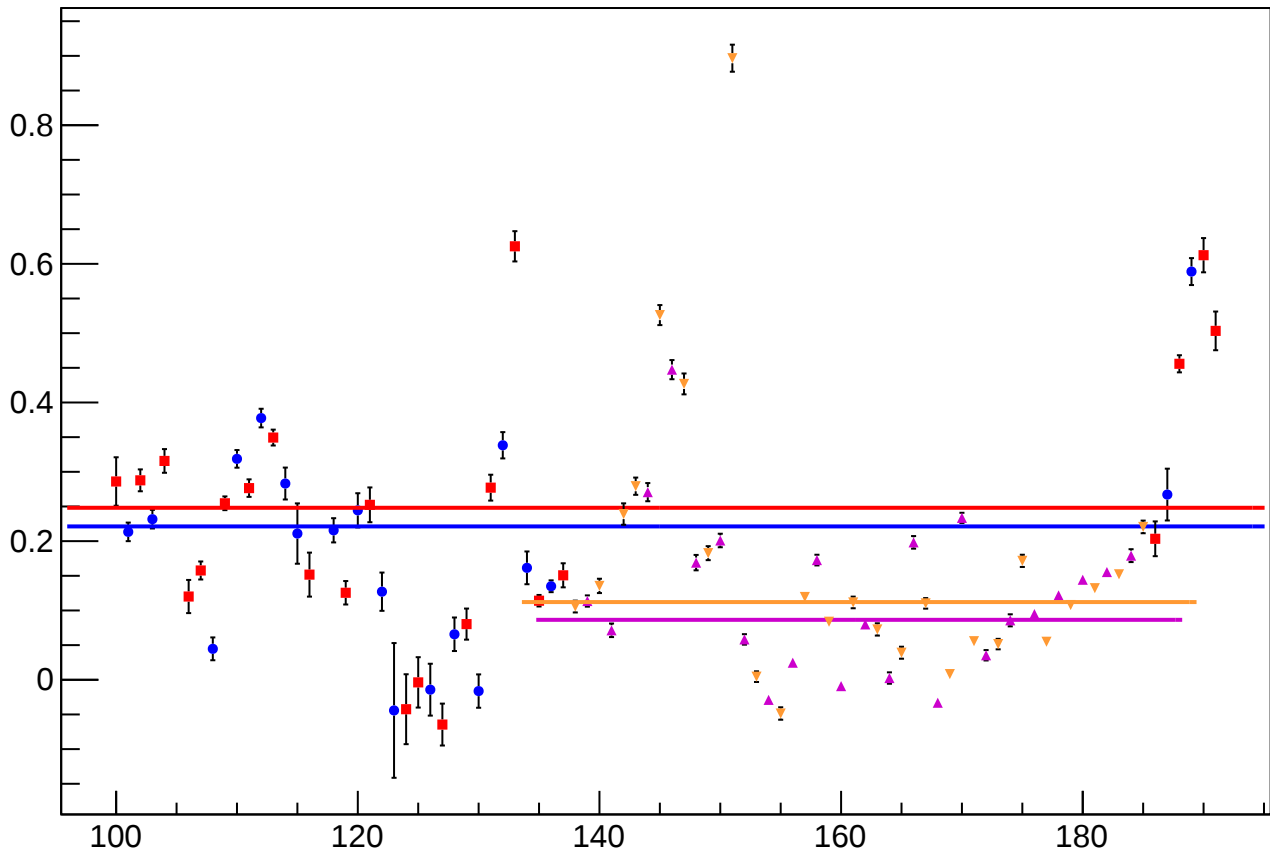
Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6740.3/22$

+ sign -1.386 ± 0.032 $\chi^2/\text{NDF}: 9263.5/43$

All: -1.260 ± 0.022 $\chi^2/\text{NDF}: 17980.3/89$

- sign -1.150 ± 0.030 $\chi^2/\text{NDF}: 8687.7/45$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.221 ± 0.004 χ^2/NDF : 1022.5/18

Left Out: 0.112 ± 0.002 χ^2/NDF : 4503.9/24

Right Out: 0.248 ± 0.003 χ^2/NDF : 1669.7/22

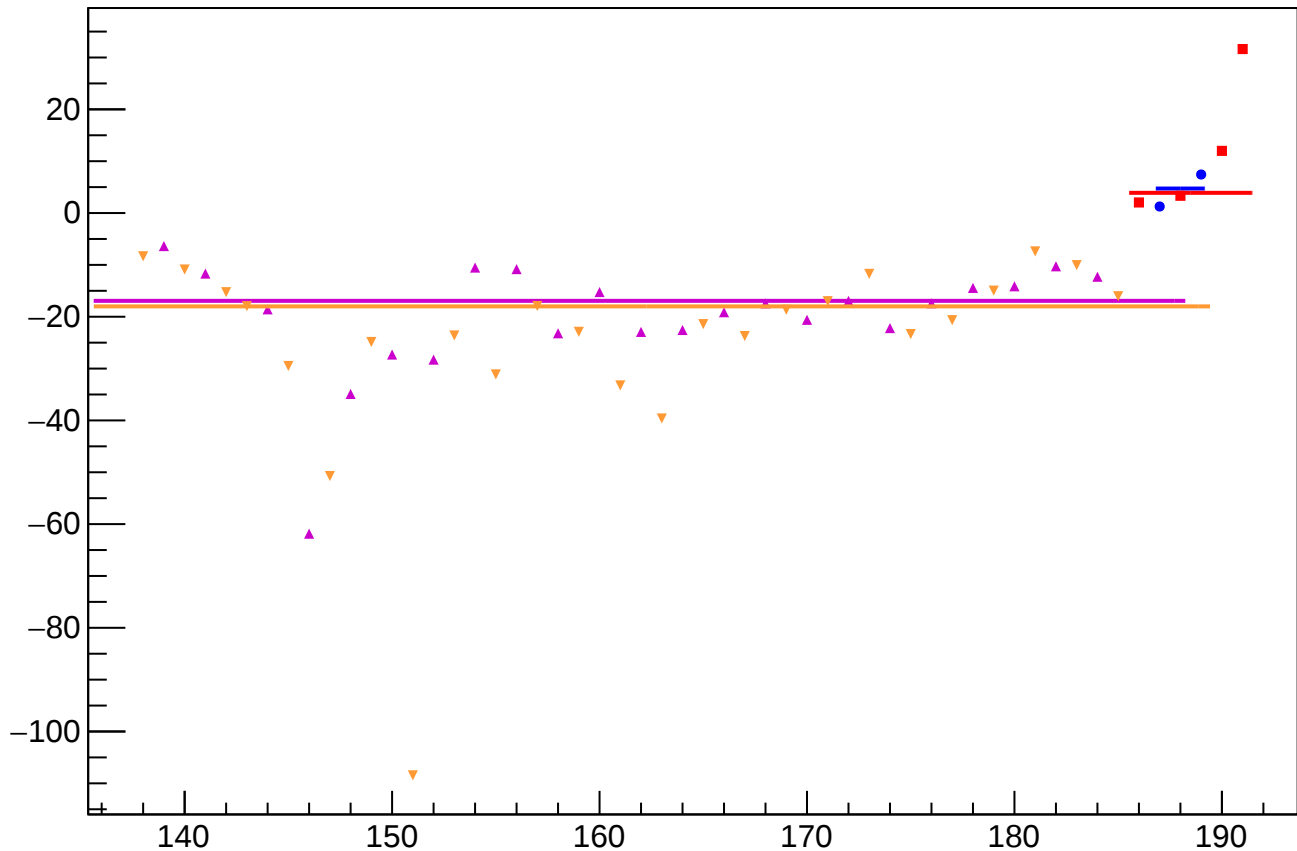
Left In: 0.087 ± 0.002 χ^2/NDF : 3655.4/22

+ sign 0.127 ± 0.001 χ^2/NDF : 6155.8/43

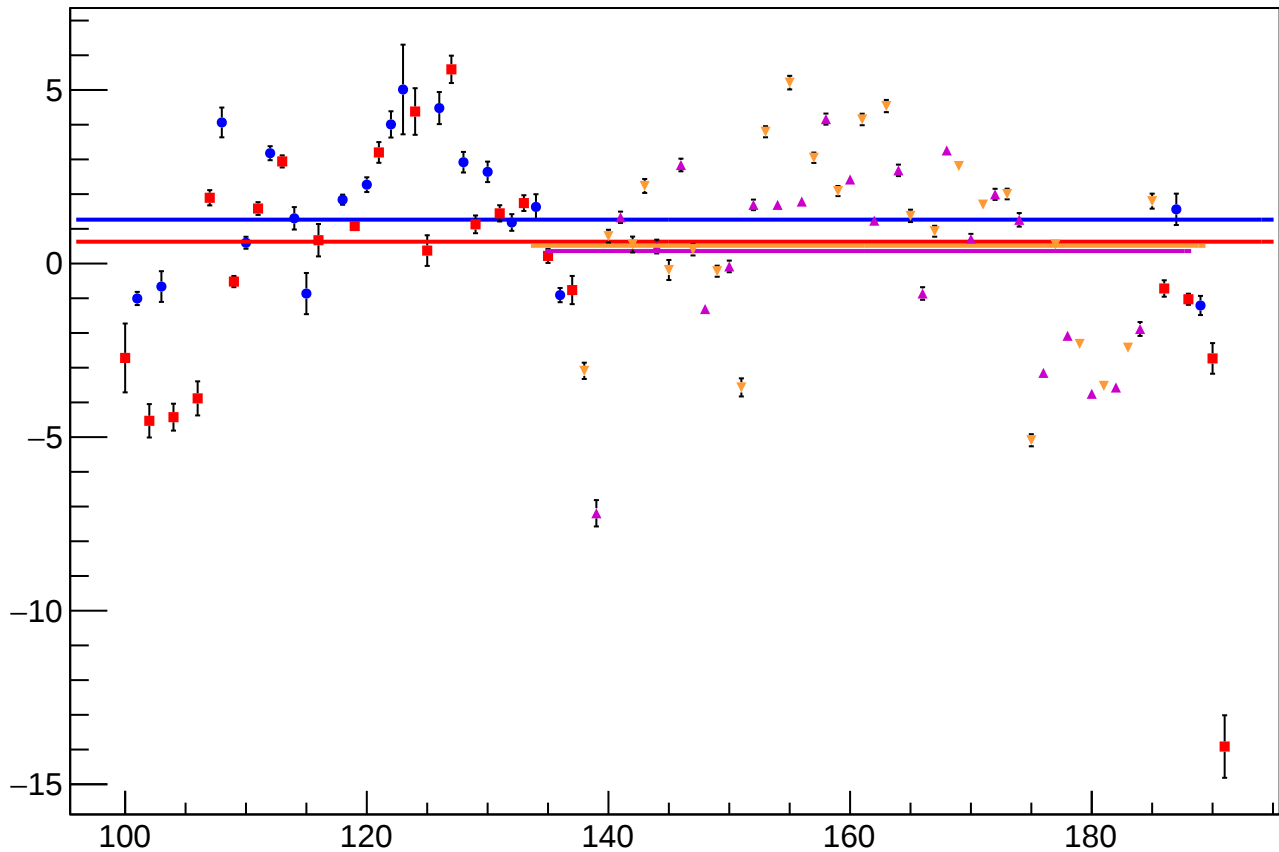
All: 0.119 ± 0.001 χ^2/NDF : 13381.2/89

- sign 0.112 ± 0.001 χ^2/NDF : 7173.2/45

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.265 ± 0.060 χ^2/NDF : 716.4/18

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.630 ± 0.053 χ^2/NDF : 1456.9/22

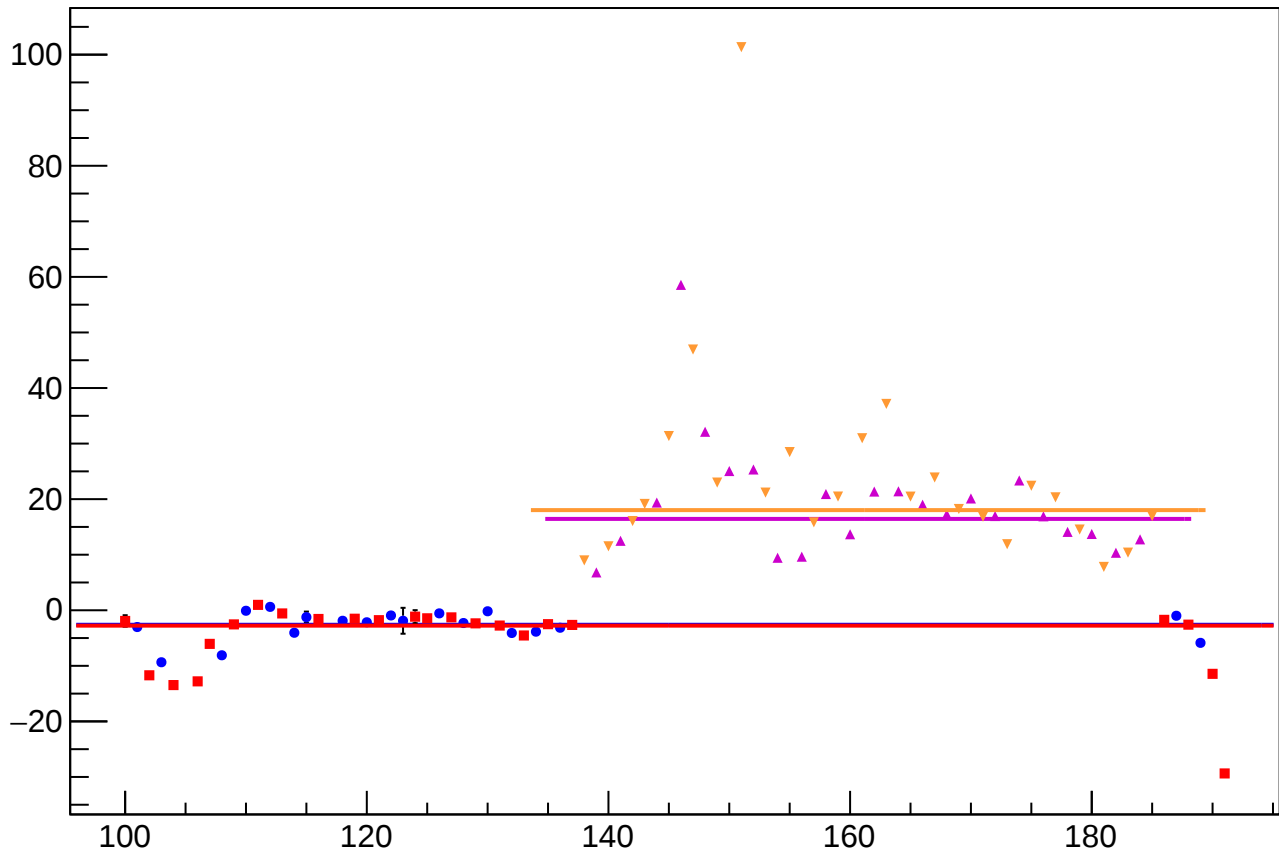
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.681 ± 0.028 χ^2/NDF : 7910.0/43

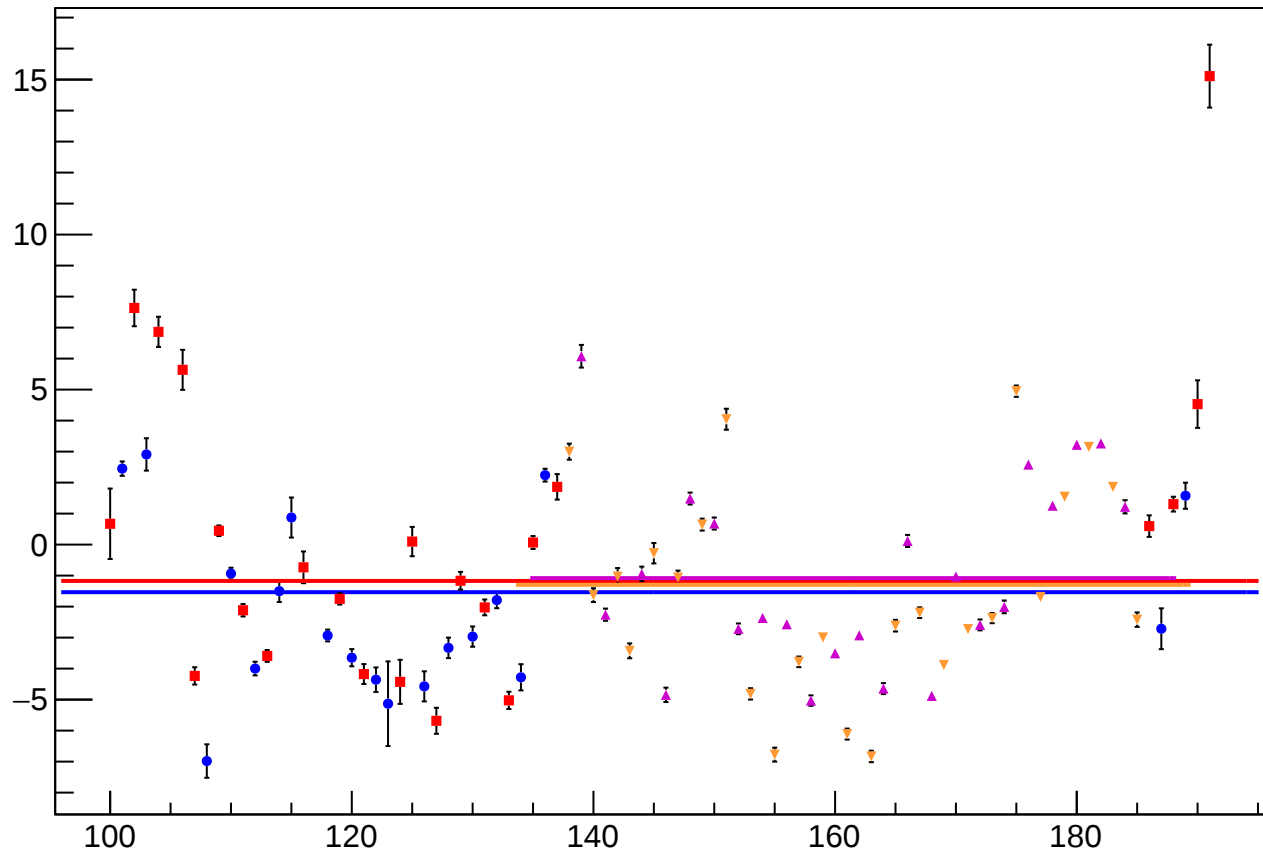
All: 0.545 ± 0.019 χ^2/NDF : 15650.5/89

- sign 0.428 ± 0.026 χ^2/NDF : 7697.8/45

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: -1.172 ± 0.062 χ^2/NDF : 1983.7/22

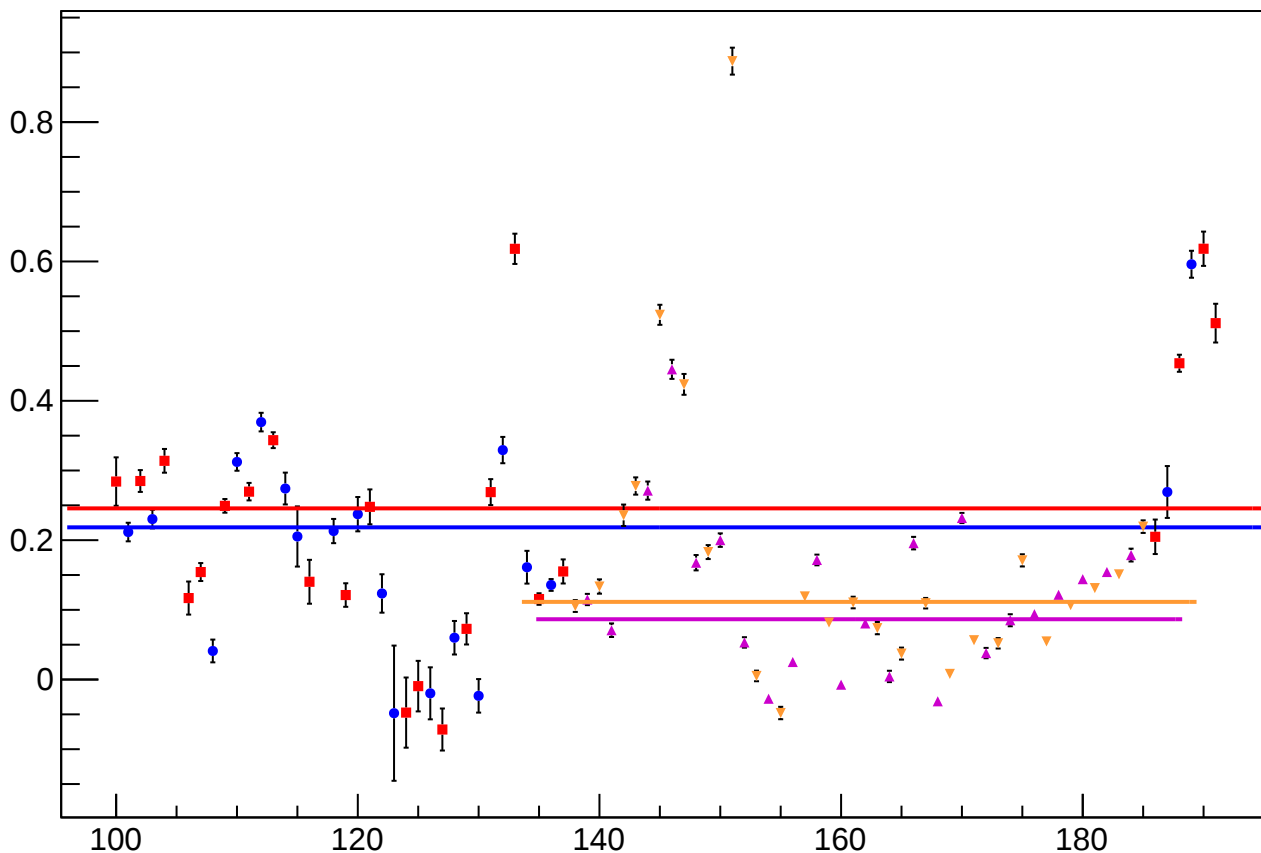
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.347 ± 0.032 χ^2/NDF : 9246.6/43

All: -1.217 ± 0.022 χ^2/NDF : 17987.6/89

- sign -1.103 ± 0.030 χ^2/NDF : 8709.5/45

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.218 ± 0.004 χ^2/NDF : 1031.8/18

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.246 ± 0.003 χ^2/NDF : 1682.8/22

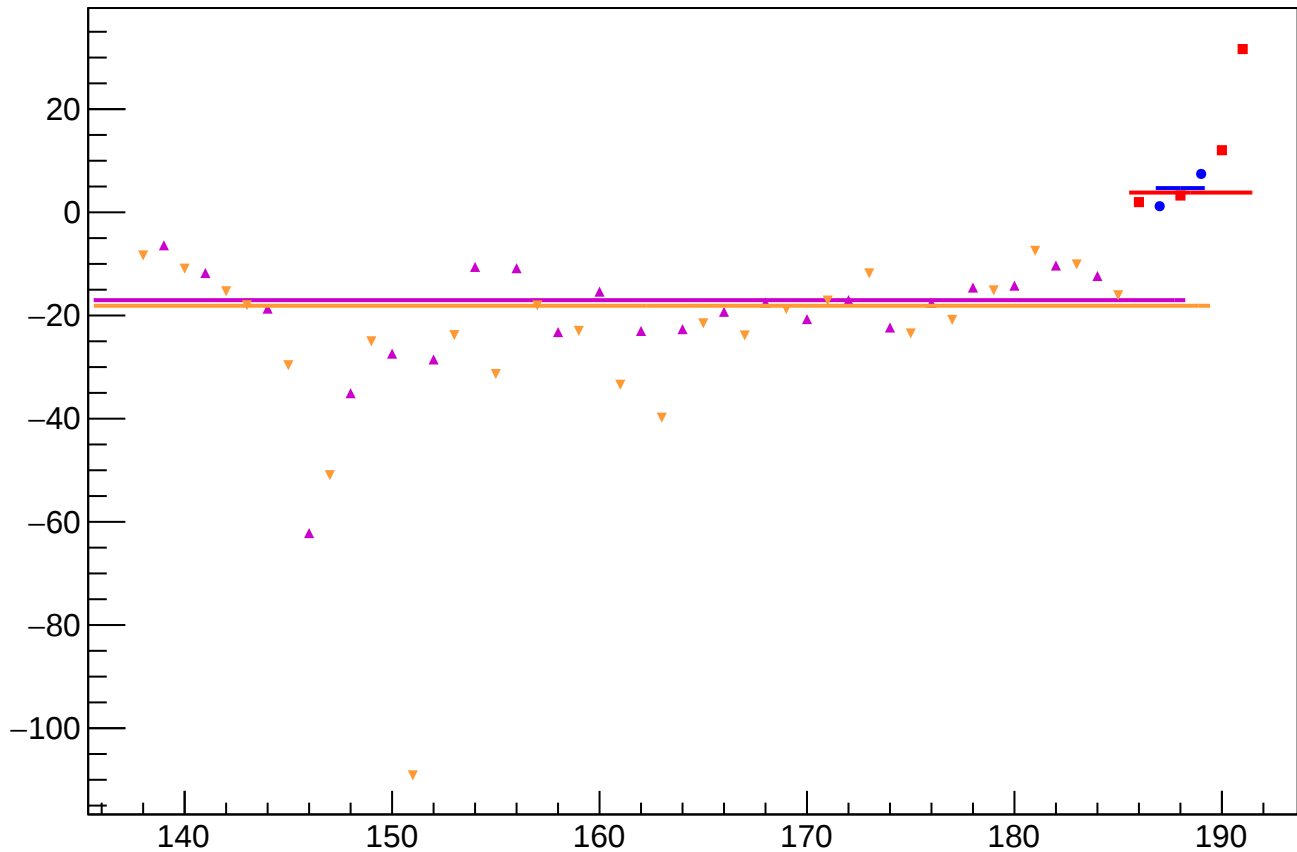
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.126 ± 0.001 χ^2/NDF : 6138.9/43

All: 0.118 ± 0.001 χ^2/NDF : 13307.1/89

- sign 0.112 ± 0.001 χ^2/NDF : 7119.7/45

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: 3.829 ± 0.091 χ^2/NDF : 1687.6/3

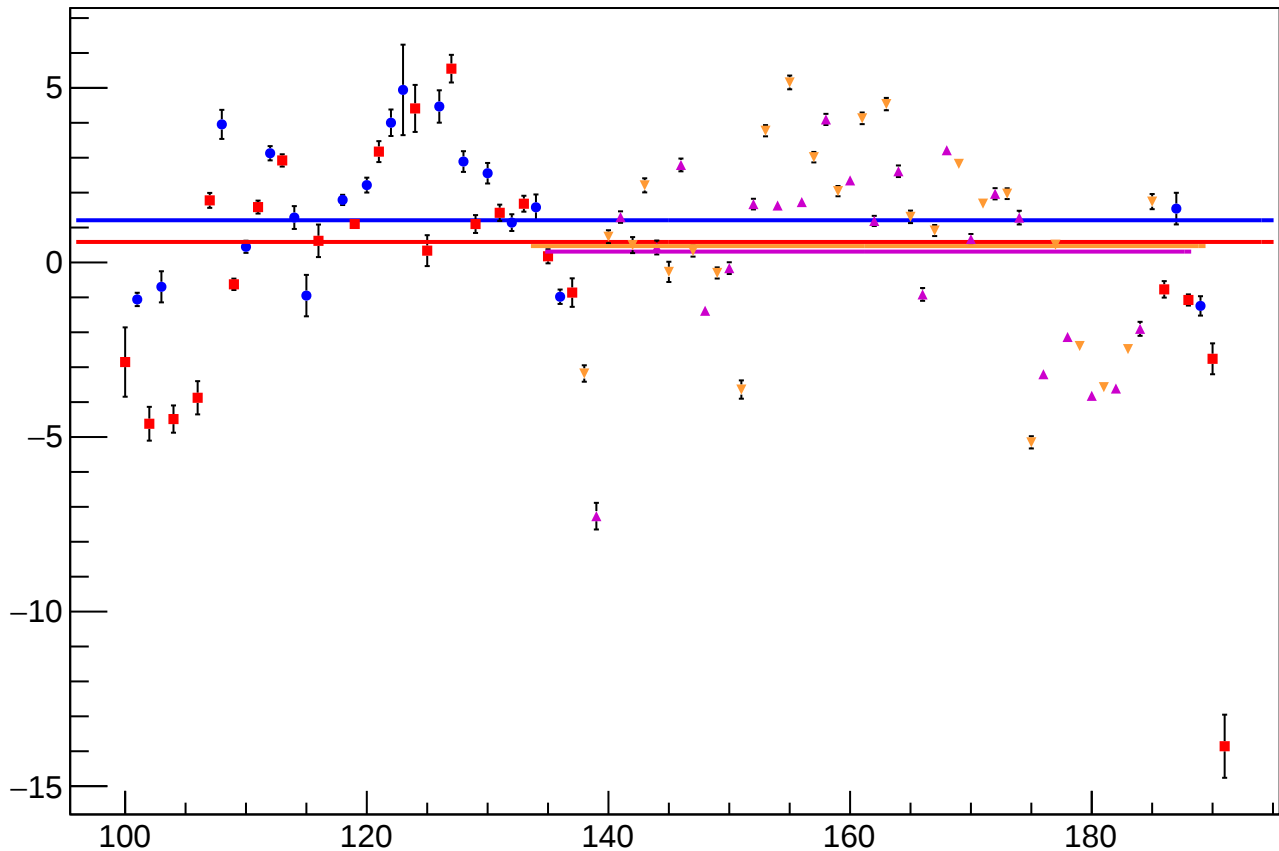
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -17.167 ± 0.038 χ^2/NDF : 103126.1/26

All: -15.421 ± 0.026 χ^2/NDF : 197432.3/53

- sign -13.930 ± 0.035 χ^2/NDF : 90391.0/26

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.209 ± 0.060 χ^2/NDF : 719.3/18

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.588 ± 0.053 χ^2/NDF : 1462.8/22

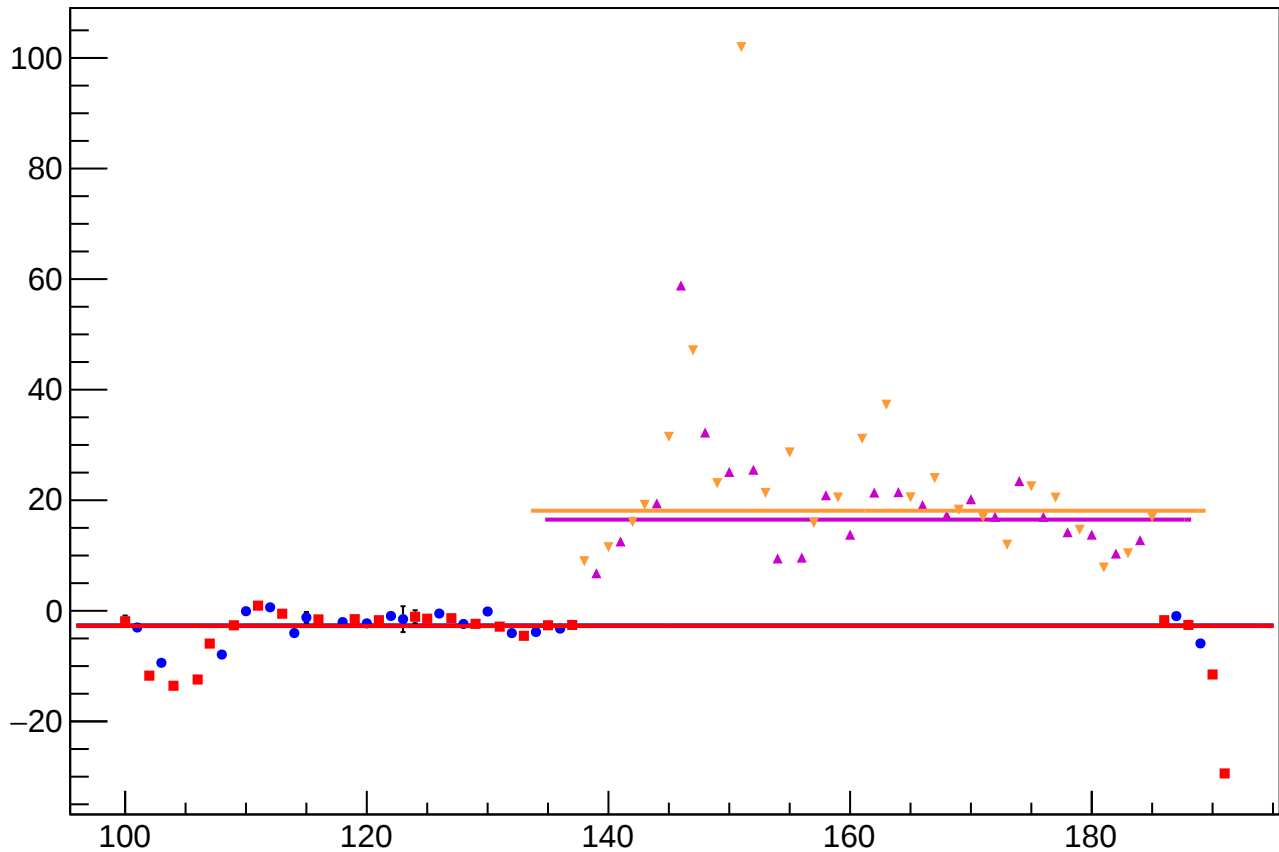
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.635 ± 0.028 χ^2/NDF : 7930.0/43

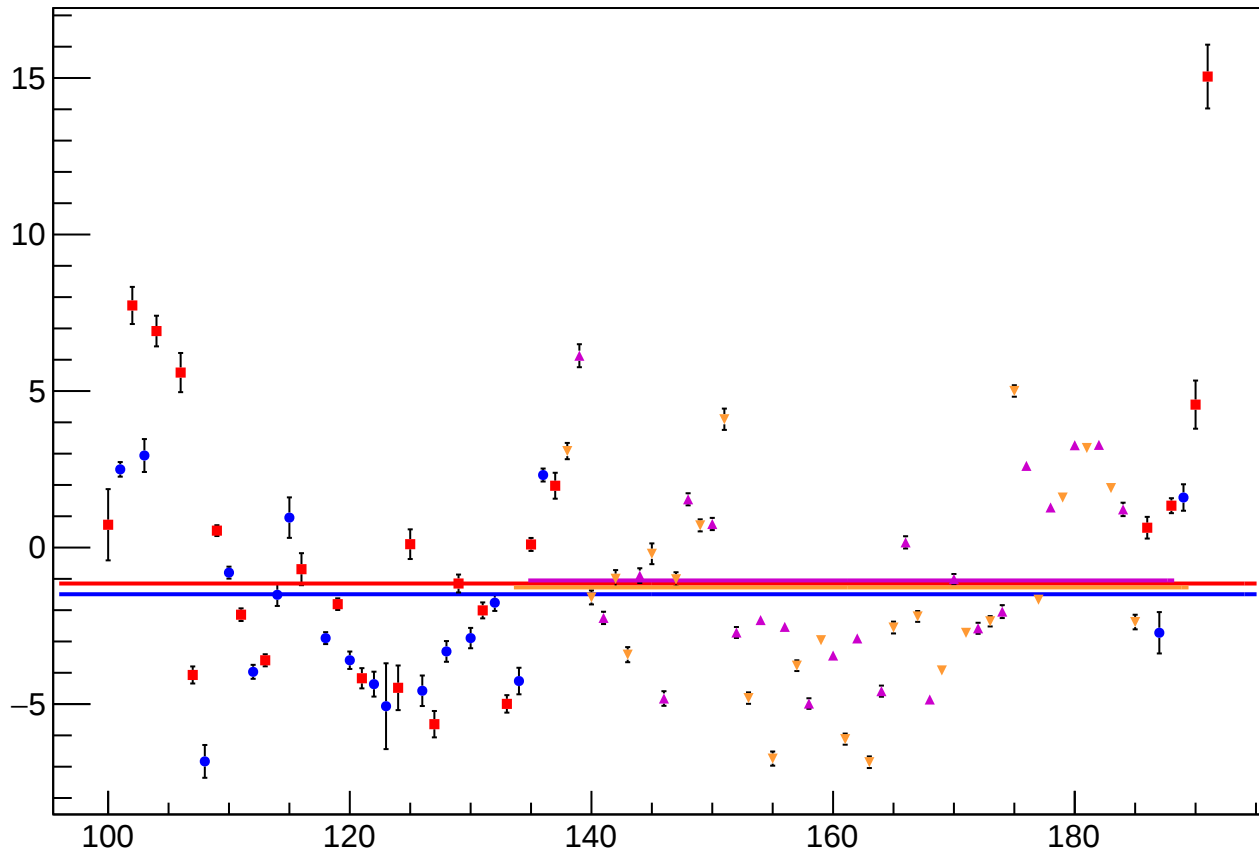
All: 0.499 ± 0.019 χ^2/NDF : 15639.5/89

- sign 0.381 ± 0.026 χ^2/NDF : 7666.6/45

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



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: -1.149 ± 0.062 χ^2/NDF : 1991.6/22

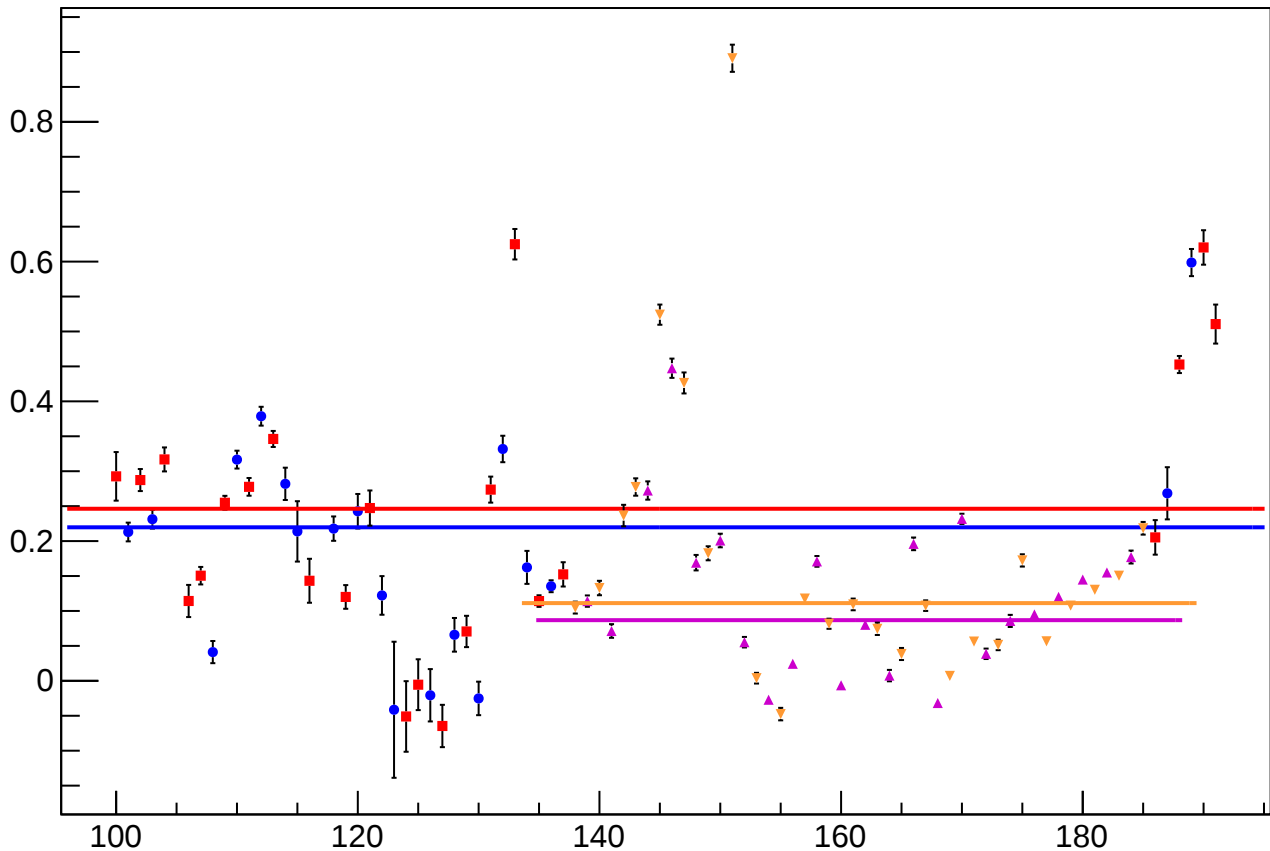
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.318 ± 0.032 χ^2/NDF : 9275.4/43

All: -1.188 ± 0.022 χ^2/NDF : 17973.8/89

- sign -1.073 ± 0.030 χ^2/NDF : 8666.9/45

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.220 $\pm$ 0.004 χ^2/NDF : 1059.0/18

Left Out: 0.111 $\pm$ 0.002 χ^2/NDF : 4474.5/24

Right Out: 0.246 $\pm$ 0.003 χ^2/NDF : 1708.7/22

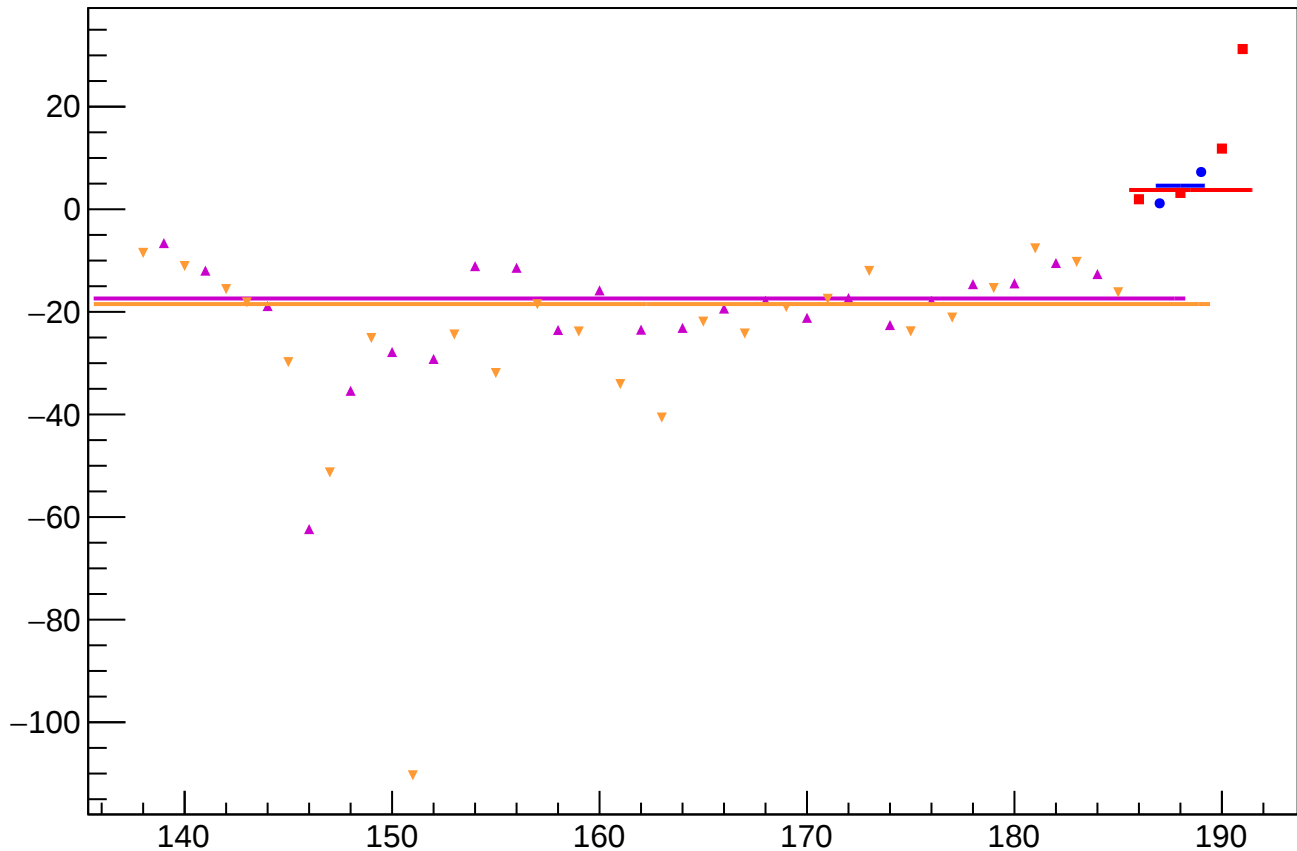
Left In: 0.087 $\pm$ 0.001 χ^2/NDF : 3598.5/22

+ sign 0.126 $\pm$ 0.001 χ^2/NDF : 6157.3/43

All: 0.119 $\pm$ 0.001 χ^2/NDF : 13321.6/89

- sign 0.112 $\pm$ 0.001 χ^2/NDF : 7119.0/45

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: 3.760 ± 0.091 $\chi^2/\text{NDF}: 1630.4/3$

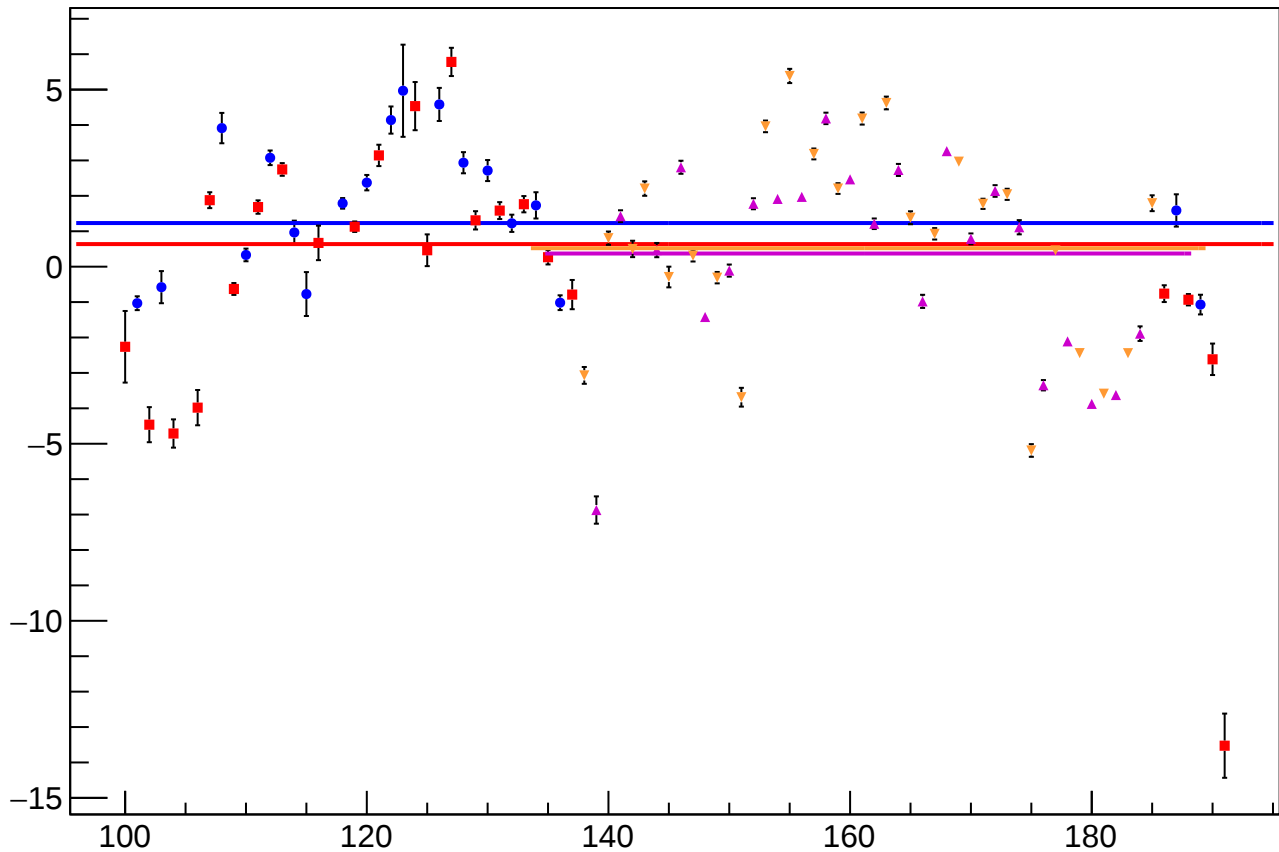
Left In: -17.393 ± 0.039 $\chi^2/\text{NDF}: 43178.9/22$

+ sign -17.487 ± 0.039 $\chi^2/\text{NDF}: 102680.9/26$

All: -15.681 ± 0.026 $\chi^2/\text{NDF}: 196785.4/53$

- sign -14.143 ± 0.036 $\chi^2/\text{NDF}: 90101.6/26$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.232 ± 0.061 χ^2/NDF : 708.6/18

Left Out: 0.522 ± 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.638 ± 0.054 χ^2/NDF : 1406.2/22

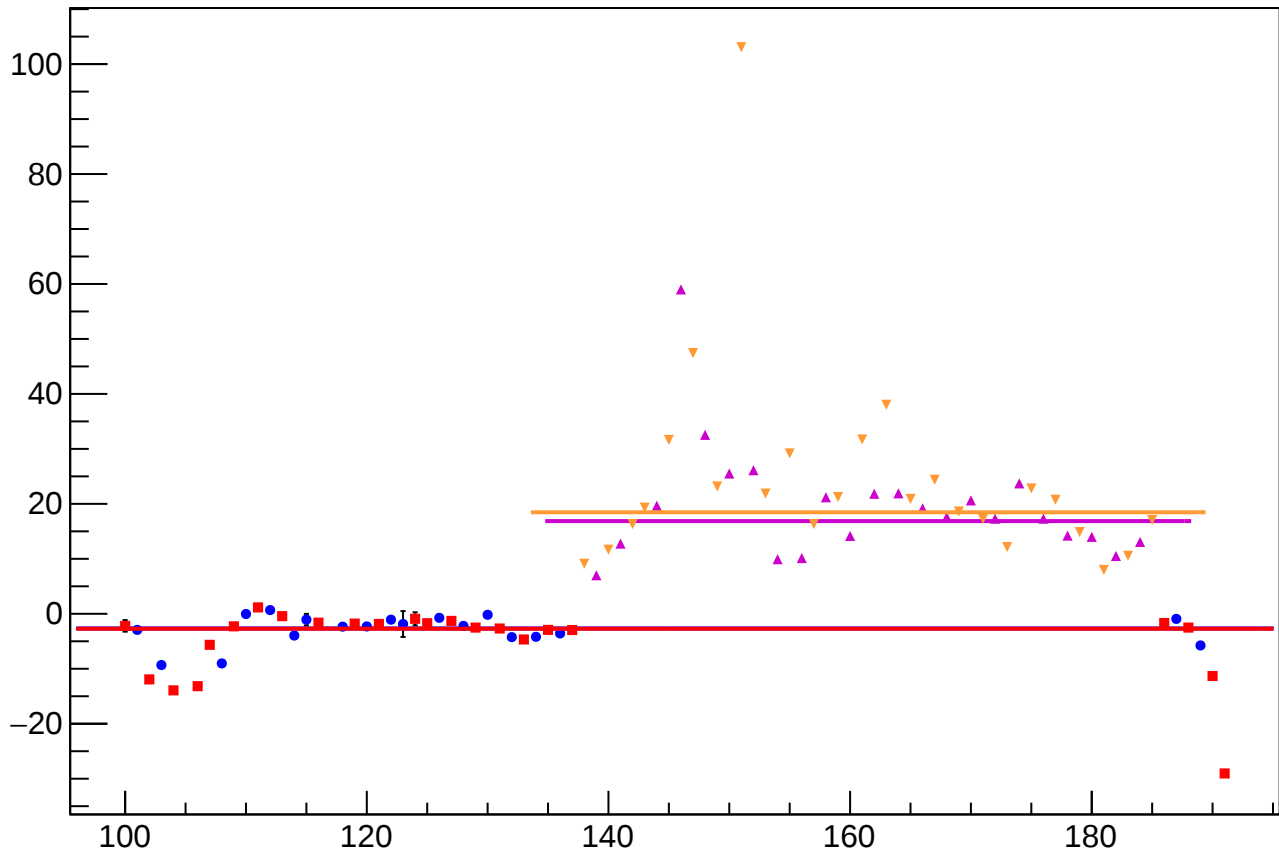
Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

+ sign 0.682 ± 0.029 χ^2/NDF : 7868.4/43

All: 0.552 ± 0.020 χ^2/NDF : 15547.7/89

- sign 0.439 ± 0.027 χ^2/NDF : 7642.0/45

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: -2.713 ± 0.060 χ^2/NDF : 2648.3/22

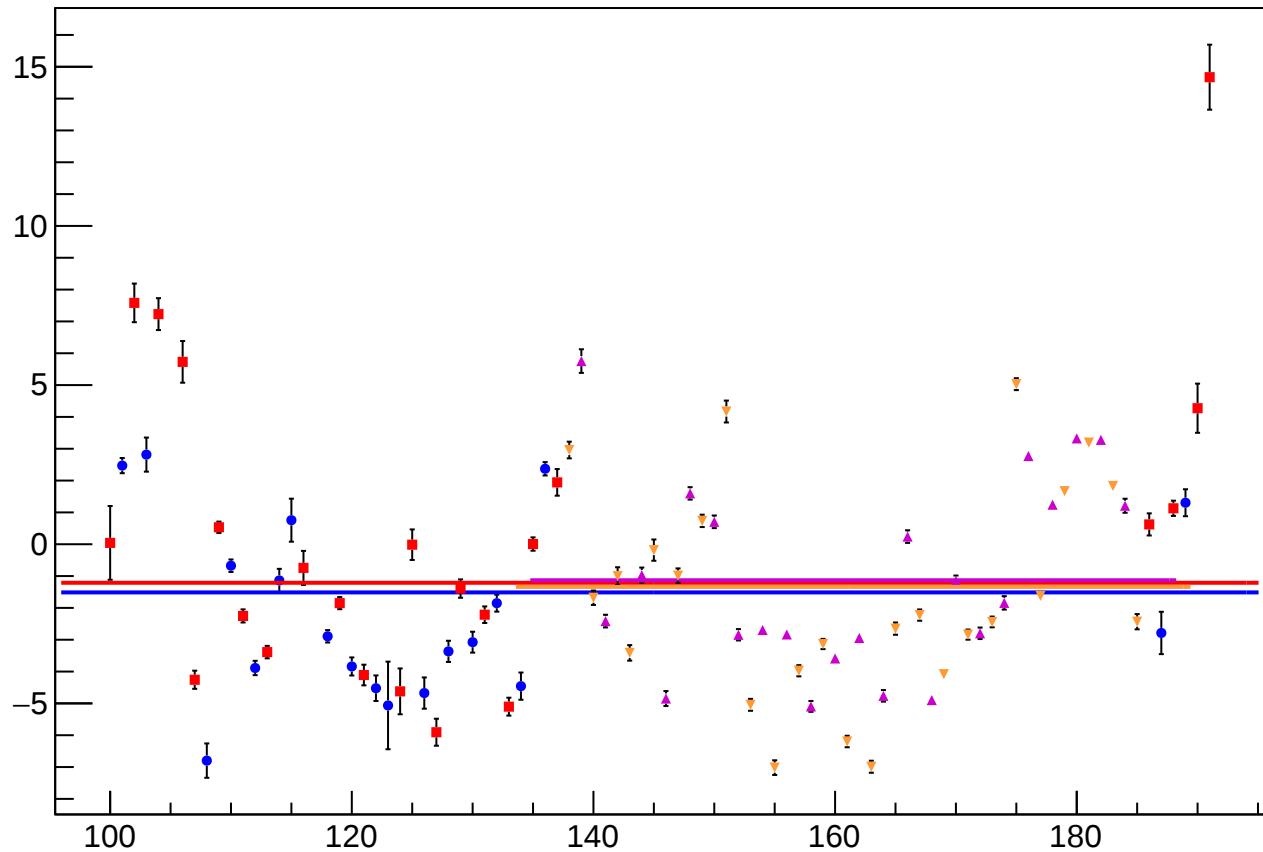
Left In: 16.867 ± 0.039 χ^2/NDF : 39779.0/22

+ sign 15.111 ± 0.037 χ^2/NDF : 122578.1/43

All: 12.882 ± 0.024 χ^2/NDF : 247159.2/89

- sign 11.130 ± 0.032 χ^2/NDF : 117948.5/45

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.513 ± 0.071 χ^2/NDF : 1296.5/18

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -1.210 ± 0.063 χ^2/NDF : 1921.8/22

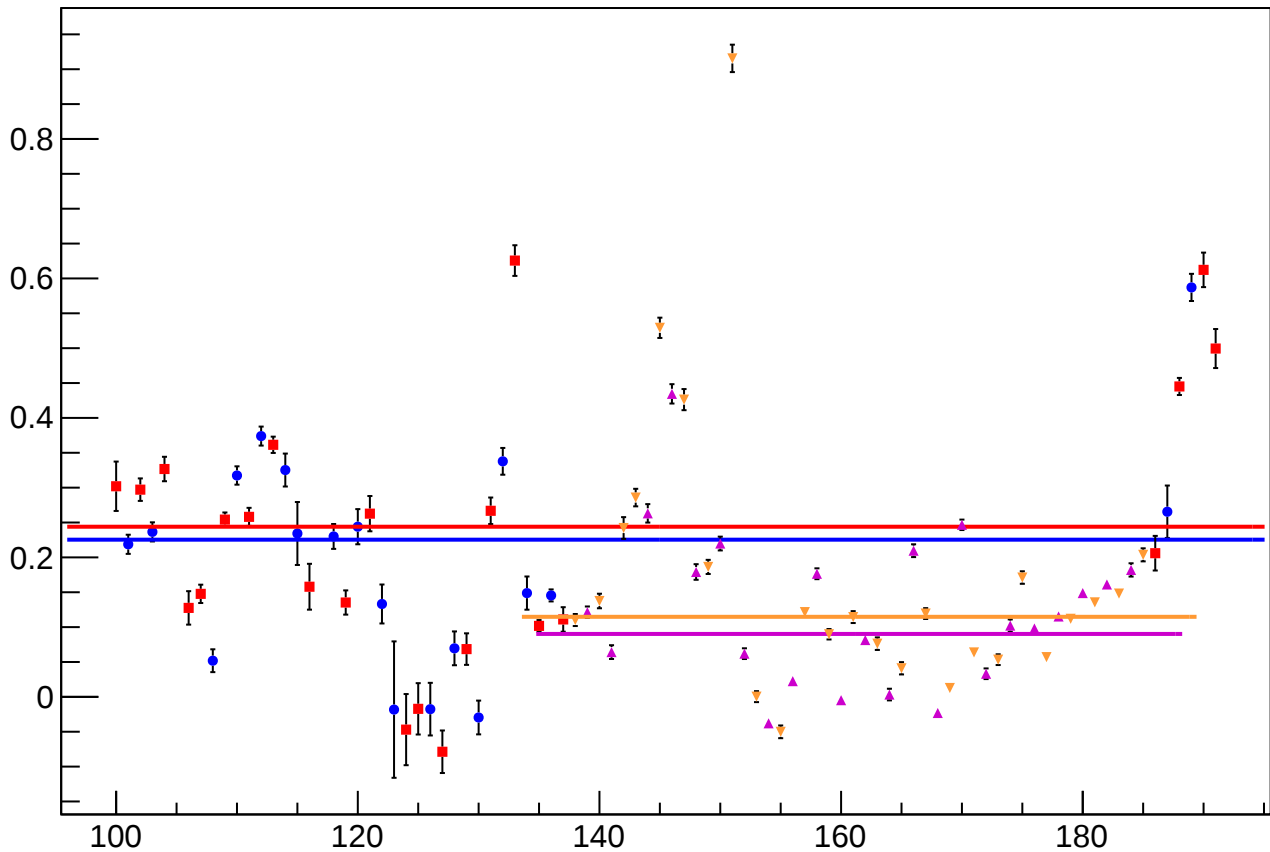
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.376 ± 0.033 χ^2/NDF : 9208.6/43

All: -1.256 ± 0.022 χ^2/NDF : 17865.8/89

- sign -1.150 ± 0.031 χ^2/NDF : 8631.5/45

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: 0.244 ± 0.003 $\chi^2/\text{NDF}: 1742.2/22$

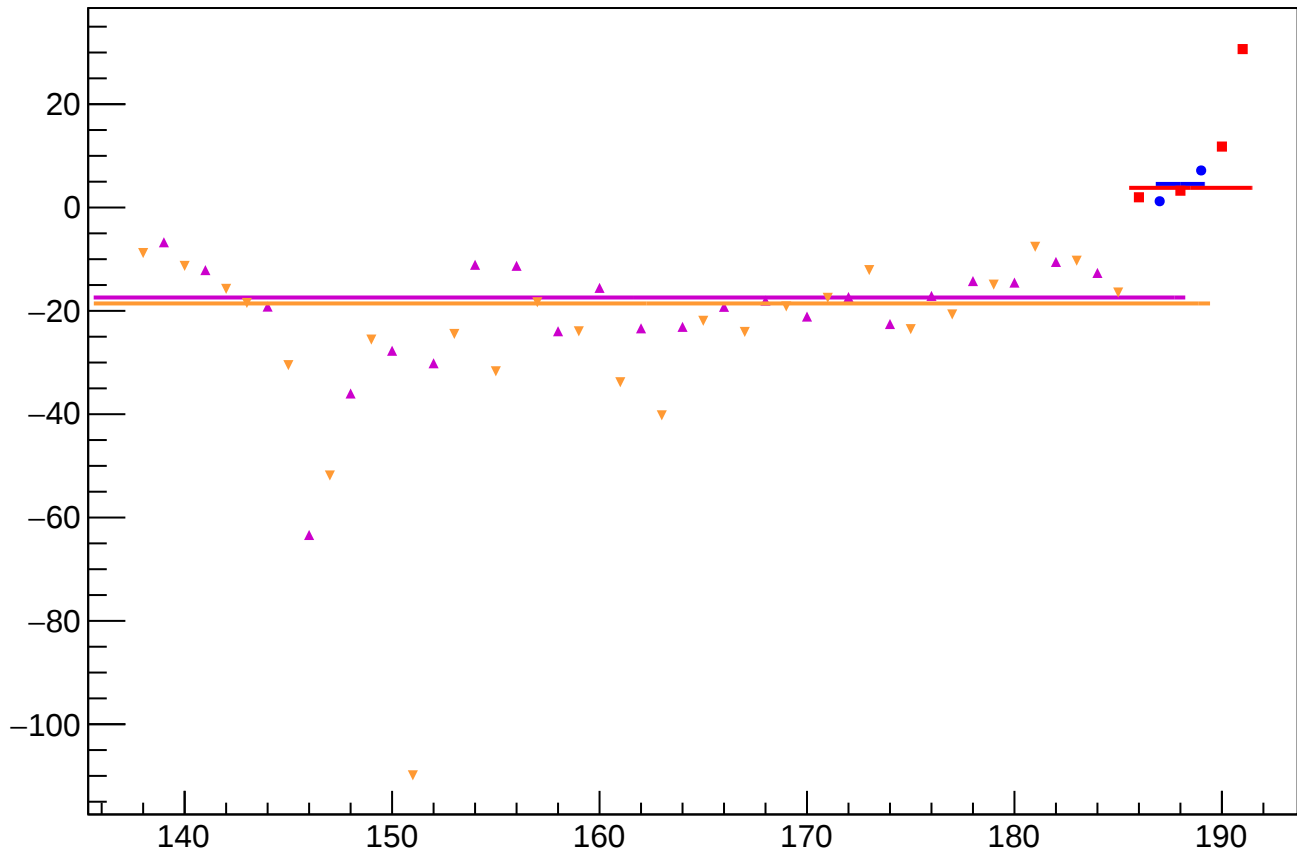
Left In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 3676.5/22$

+ sign 0.130 ± 0.002 $\chi^2/\text{NDF}: 6045.2/43$

All: 0.122 ± 0.001 $\chi^2/\text{NDF}: 13136.2/89$

- sign 0.115 ± 0.001 $\chi^2/\text{NDF}: 7039.8/45$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 4.566 ± 0.188 χ^2/NDF : 247.2/1

Left Out: -18.566 ± 0.040 χ^2/NDF : 86389.6/24

Right Out: 3.809 ± 0.093 χ^2/NDF : 1559.6/3

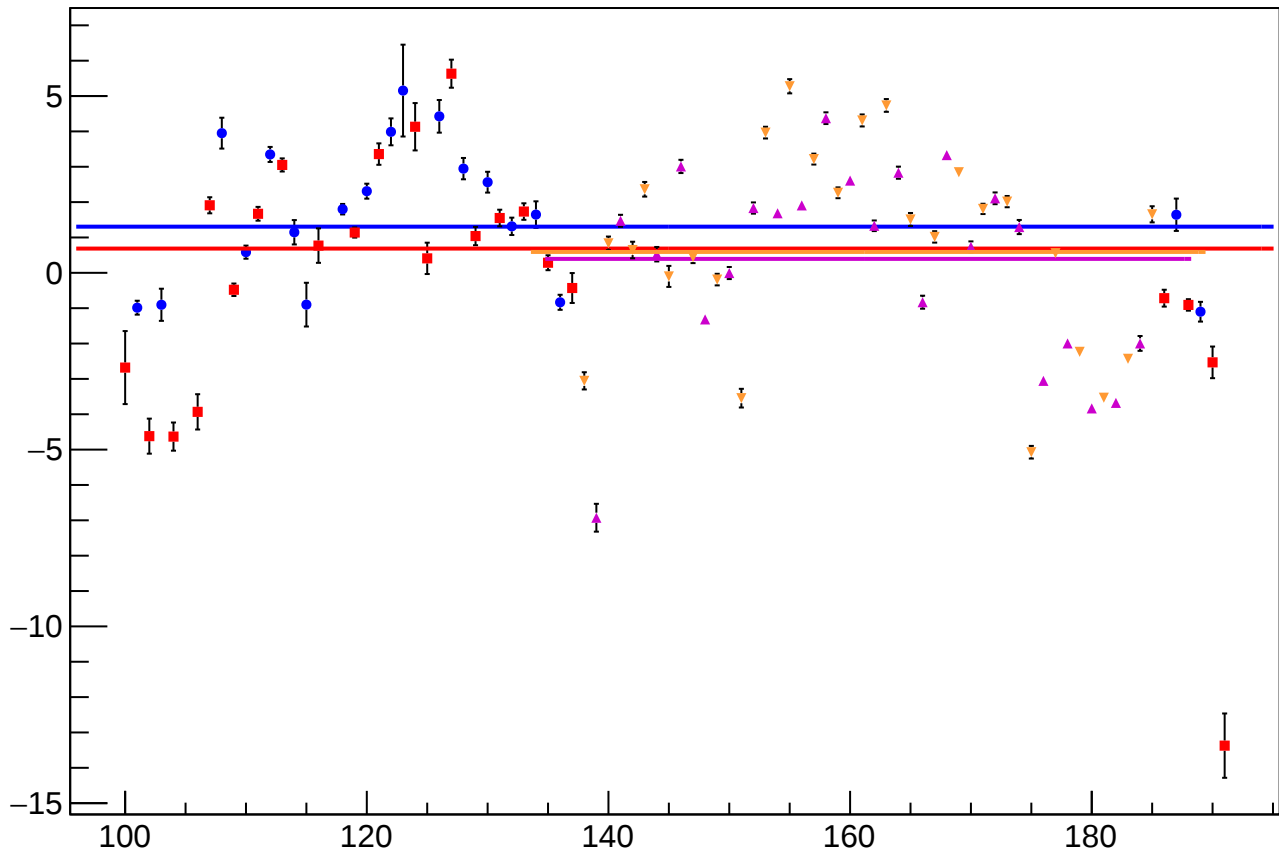
Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

+ sign -17.559 ± 0.039 χ^2/NDF : 101121.2/26

All: -15.728 ± 0.027 χ^2/NDF : 194813.1/53

- sign -14.169 ± 0.036 χ^2/NDF : 89653.0/26

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.306 ± 0.062 χ^2/NDF : 678.1/18

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.686 ± 0.054 χ^2/NDF : 1387.1/22

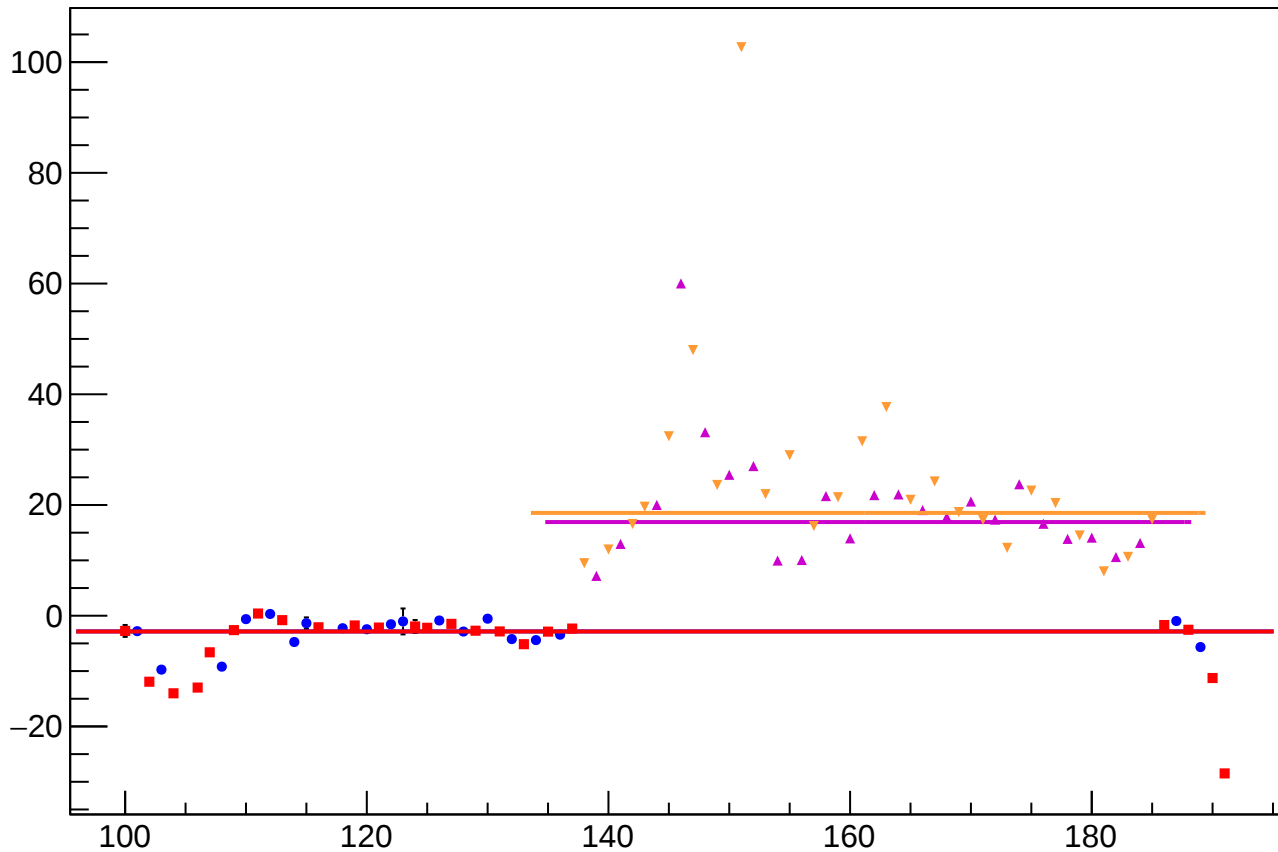
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.752 ± 0.029 χ^2/NDF : 7579.0/43

All: 0.601 ± 0.020 χ^2/NDF : 15097.7/89

- sign 0.468 ± 0.027 χ^2/NDF : 7468.5/45

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: -2.849 ± 0.061 χ^2/NDF : 2478.3/22

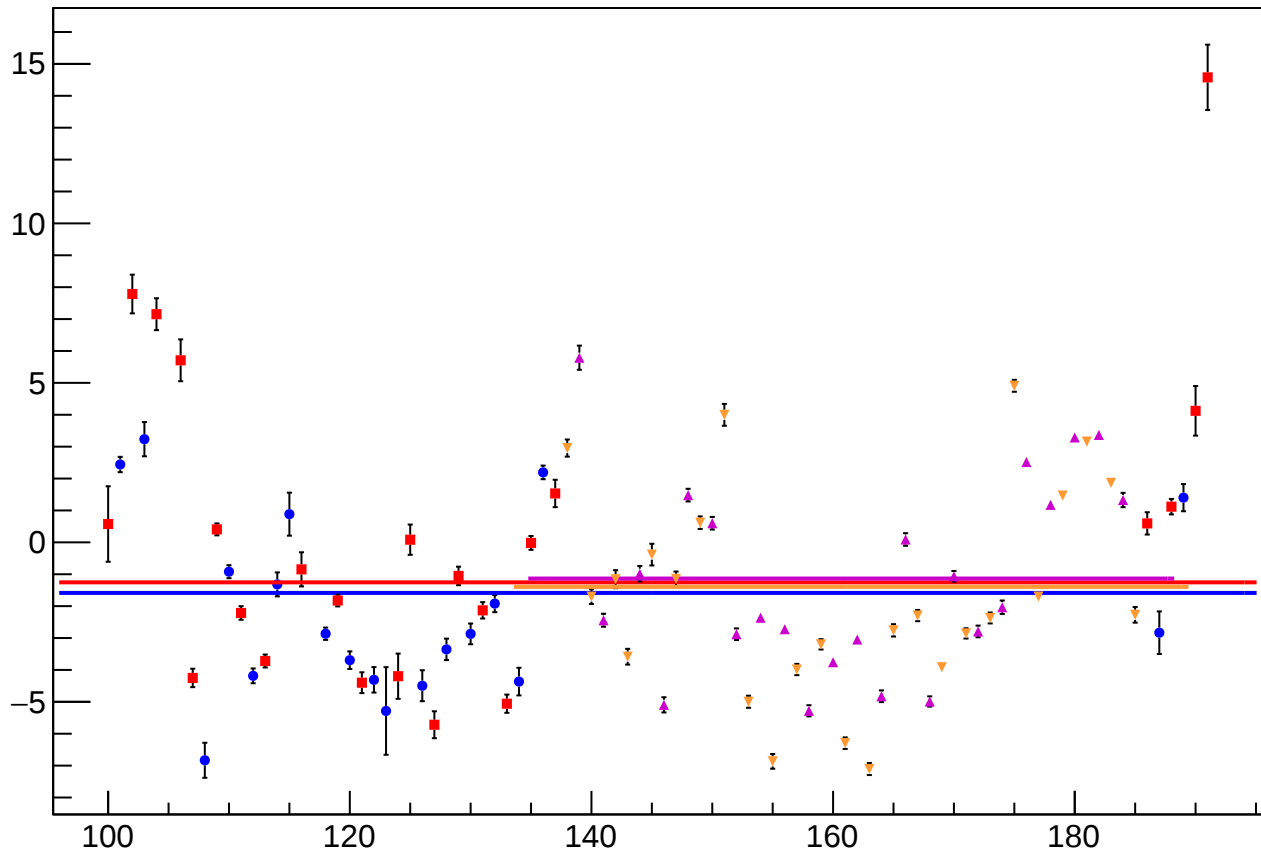
Left In: 16.919 ± 0.039 χ^2/NDF : 40154.5/22

+ sign 15.184 ± 0.037 χ^2/NDF : 121468.8/43

All: 12.943 ± 0.025 χ^2/NDF : 245637.8/89

- sign 11.179 ± 0.033 χ^2/NDF : 117590.3/45

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.586 ± 0.072 χ^2/NDF : 1244.7/18

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -1.254 ± 0.064 χ^2/NDF : 1887.8/22

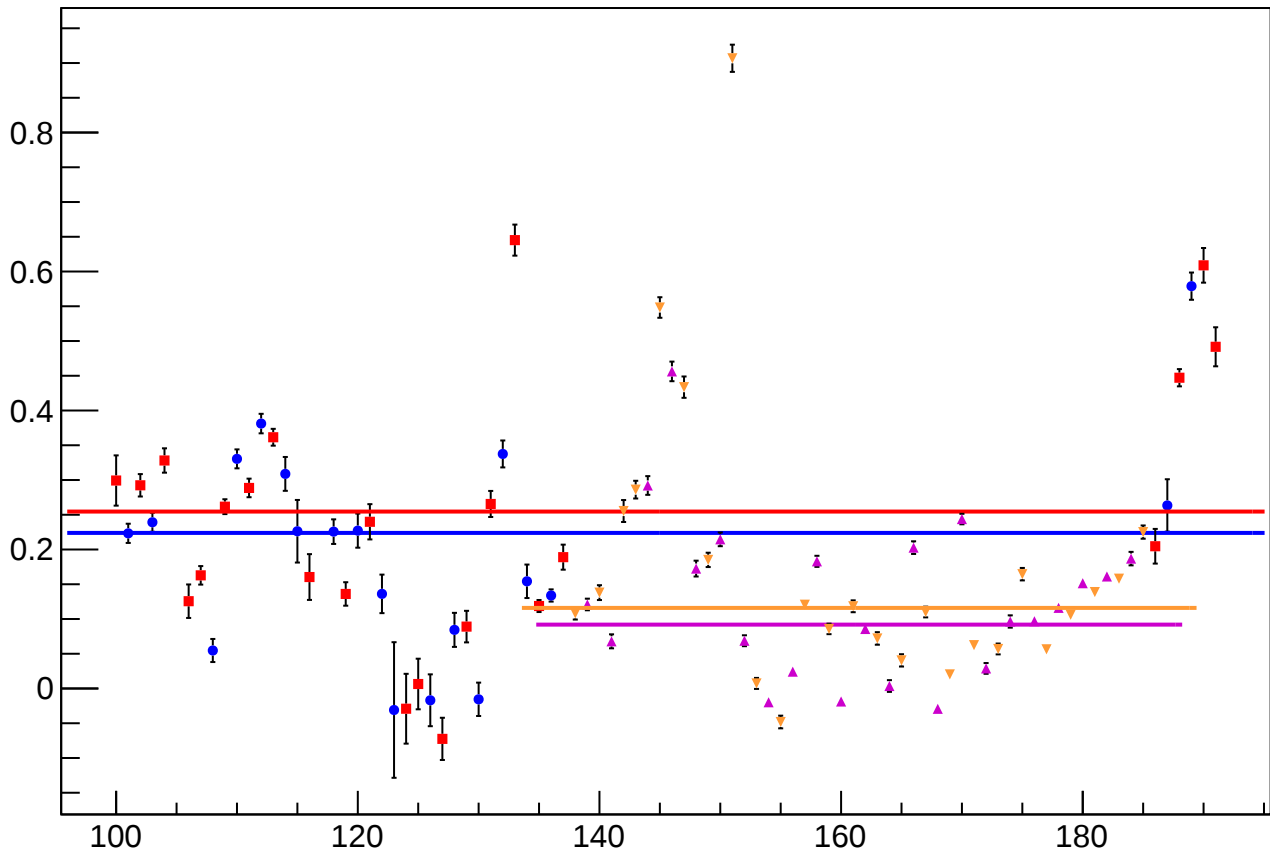
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.436 ± 0.033 χ^2/NDF : 8901.7/43

All: -1.291 ± 0.022 χ^2/NDF : 17426.7/89

- sign -1.162 ± 0.031 χ^2/NDF : 8488.2/45

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.224 ± 0.004 $\chi^2/\text{NDF}: 970.8/18$

Left Out: 0.116 ± 0.002 $\chi^2/\text{NDF}: 4463.0/24$

Right Out: 0.255 ± 0.004 $\chi^2/\text{NDF}: 1574.2/22$

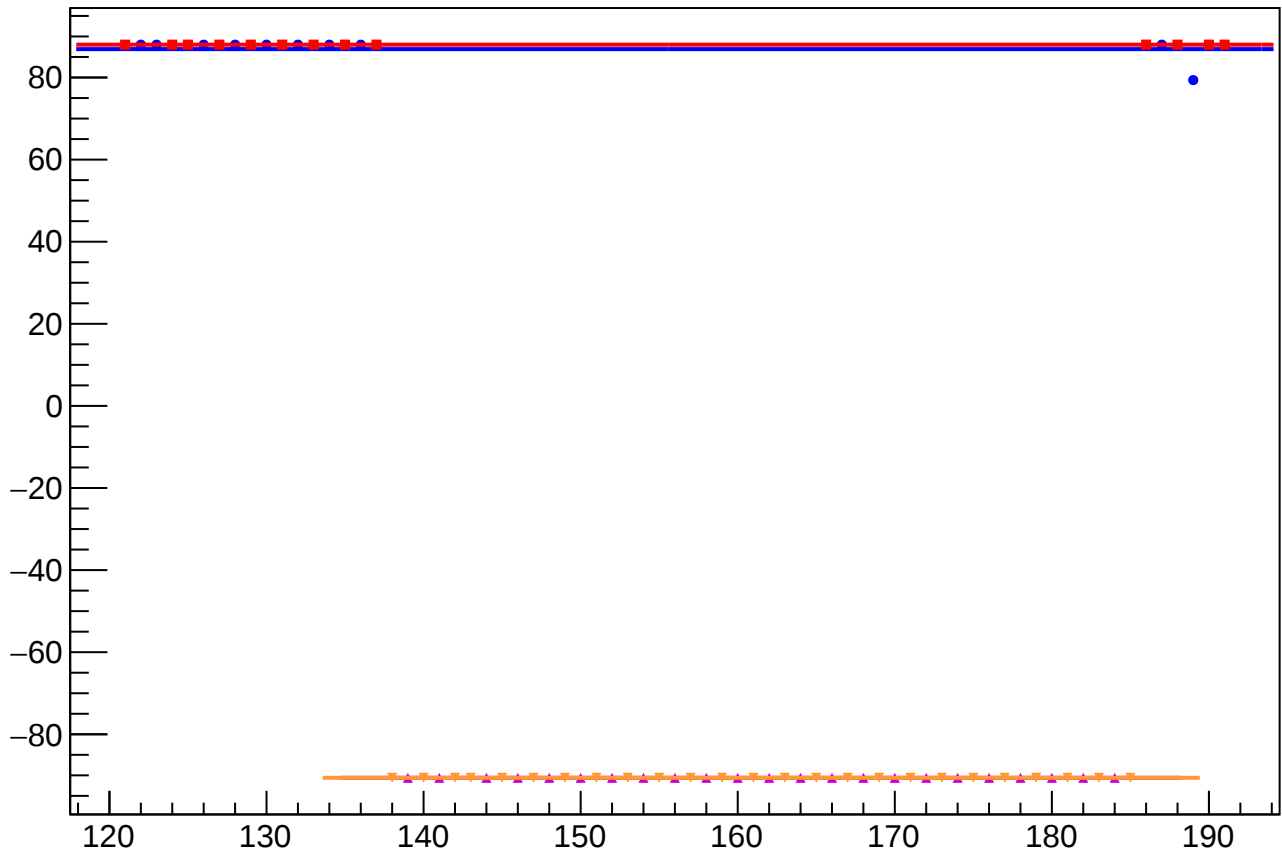
Left In: 0.092 ± 0.002 $\chi^2/\text{NDF}: 3631.4/22$

+ sign 0.131 ± 0.002 $\chi^2/\text{NDF}: 6015.3/43$

All: 0.124 ± 0.001 $\chi^2/\text{NDF}: 13011.7/89$

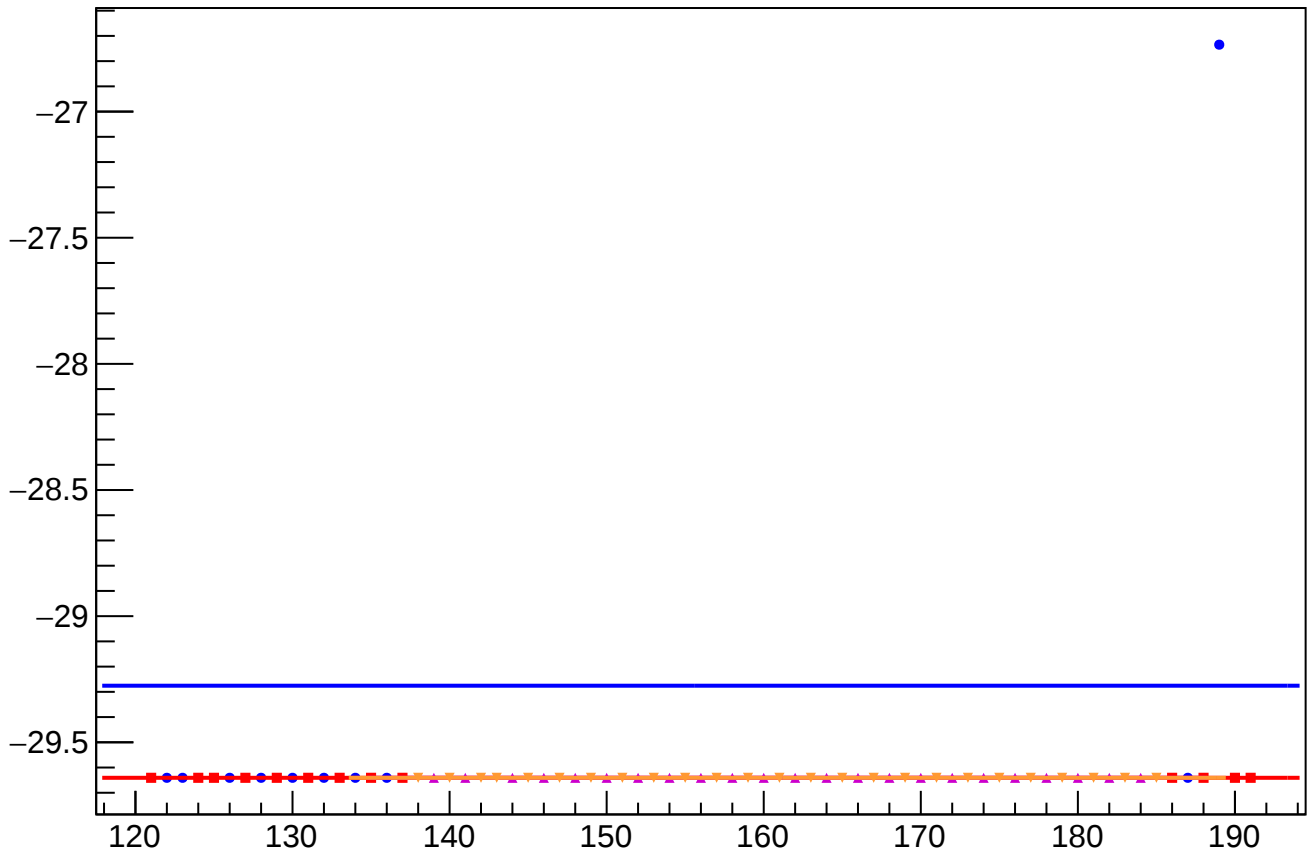
- sign 0.118 ± 0.001 $\chi^2/\text{NDF}: 6959.0/45$

VWienAngle_mean vs Slug



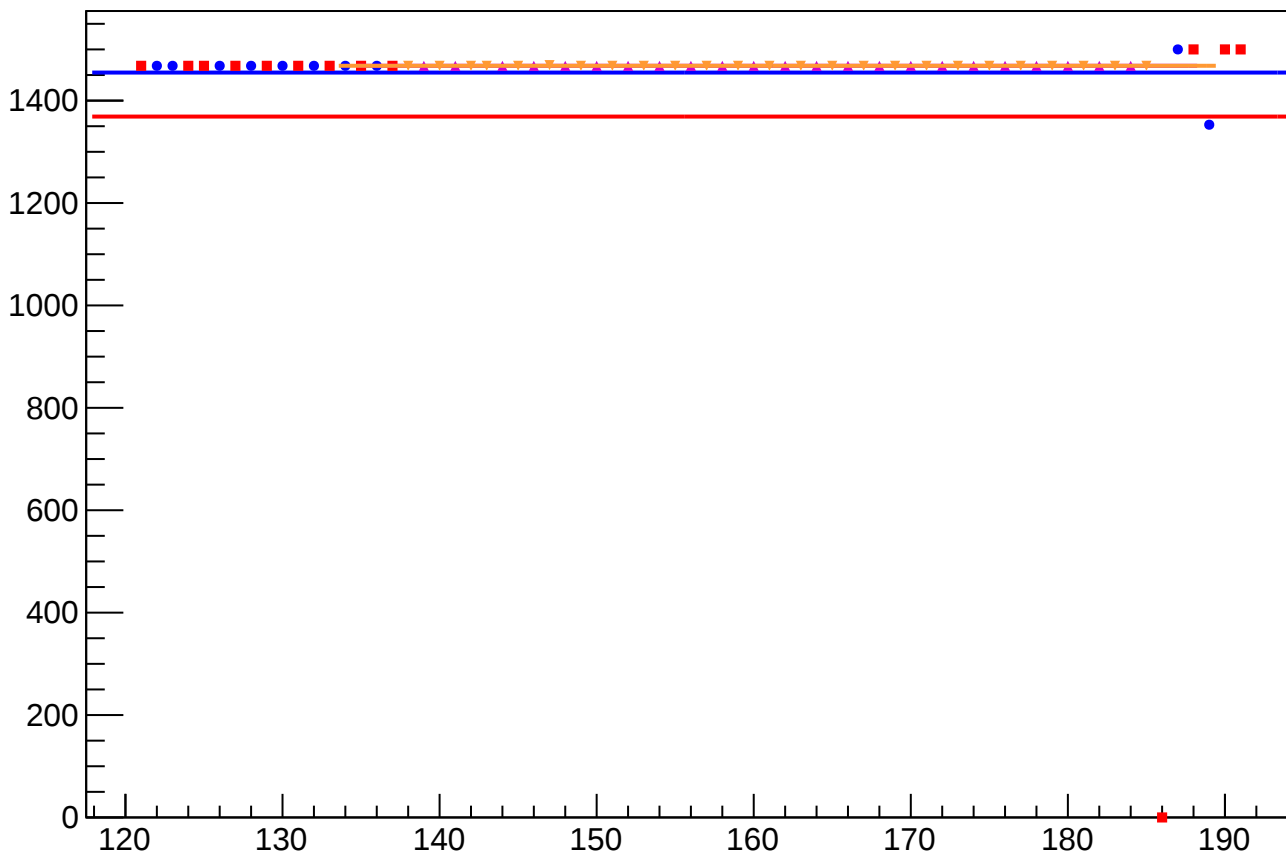
Right In: 86.917+/-0.000	χ^2/NDF : 3319284182634901889497368914558976.0/9	+ sign -59.480+/-0.000	χ^2/NDF : 105544028661935
Left Out: -90.599+/-0.000	χ^2/NDF : 6053403.0/24	All: -55.351+/-0.000	χ^2/NDF : 233654084273
Right Out: 88.001+/-0.000	χ^2/NDF : 142575.6/12	- sign -51.235+/-0.000	χ^2/NDF : 1273216067443821
Left In: -90.599+/-0.000	χ^2/NDF : 5932436.0/22		

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 + sign -29.577 $\pm$ 0.000 χ^2 /NDF: 421188482752330
Right Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 363393.5/12 All: -29.609 $\pm$ 0.000 χ^2 /NDF: 425937495048
Left In: -29.641 $\pm$ 0.000 χ^2 /NDF: 511825.6/22 - sign -29.641 $\pm$ 0.000 χ^2 /NDF: 2173141.4/35

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: 1368.847+/-0.000 χ^2/NDF : 77017054284632969514672769414878724096.0/12

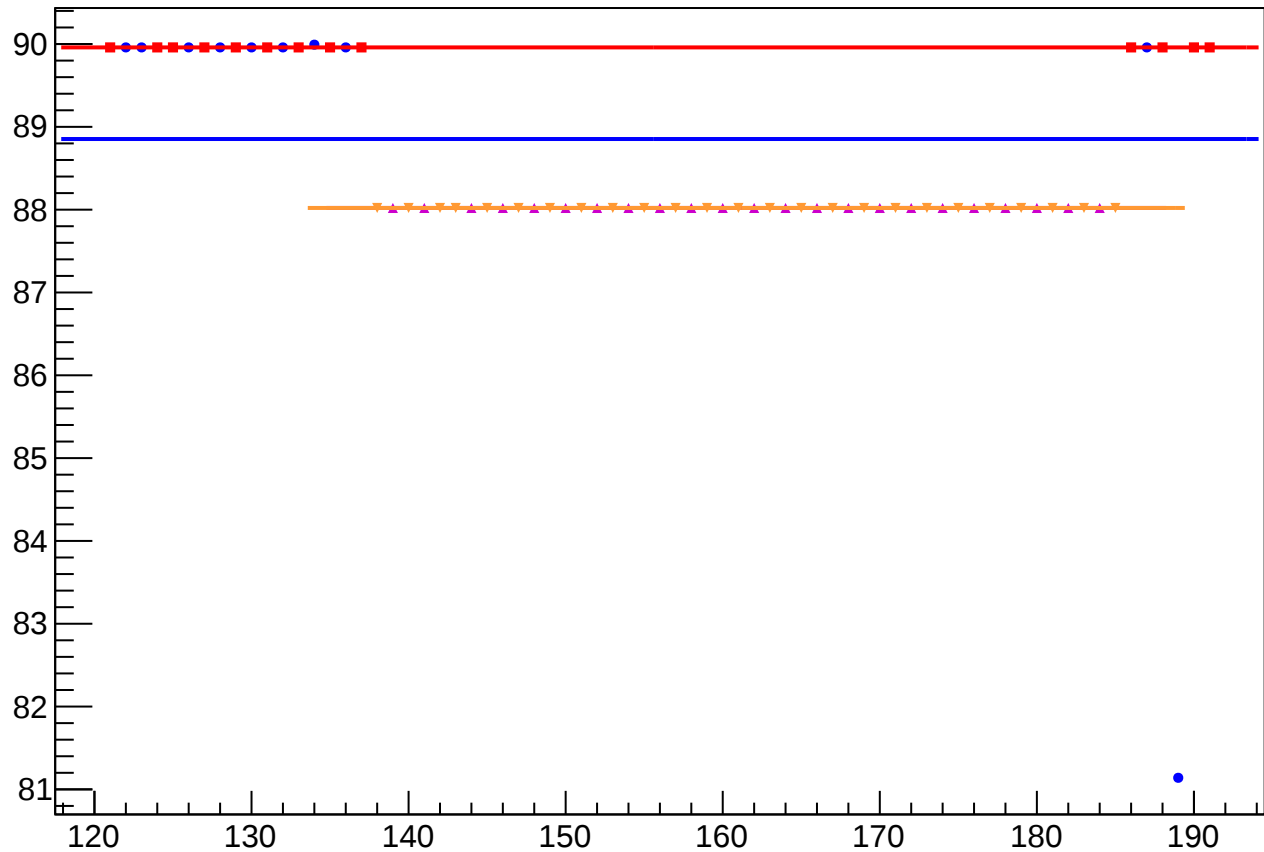
Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

+ sign 1465.724+/-0.000 χ^2/NDF : 67967531574215

All: 1455.918+/-0.000 χ^2/NDF : 82065119919

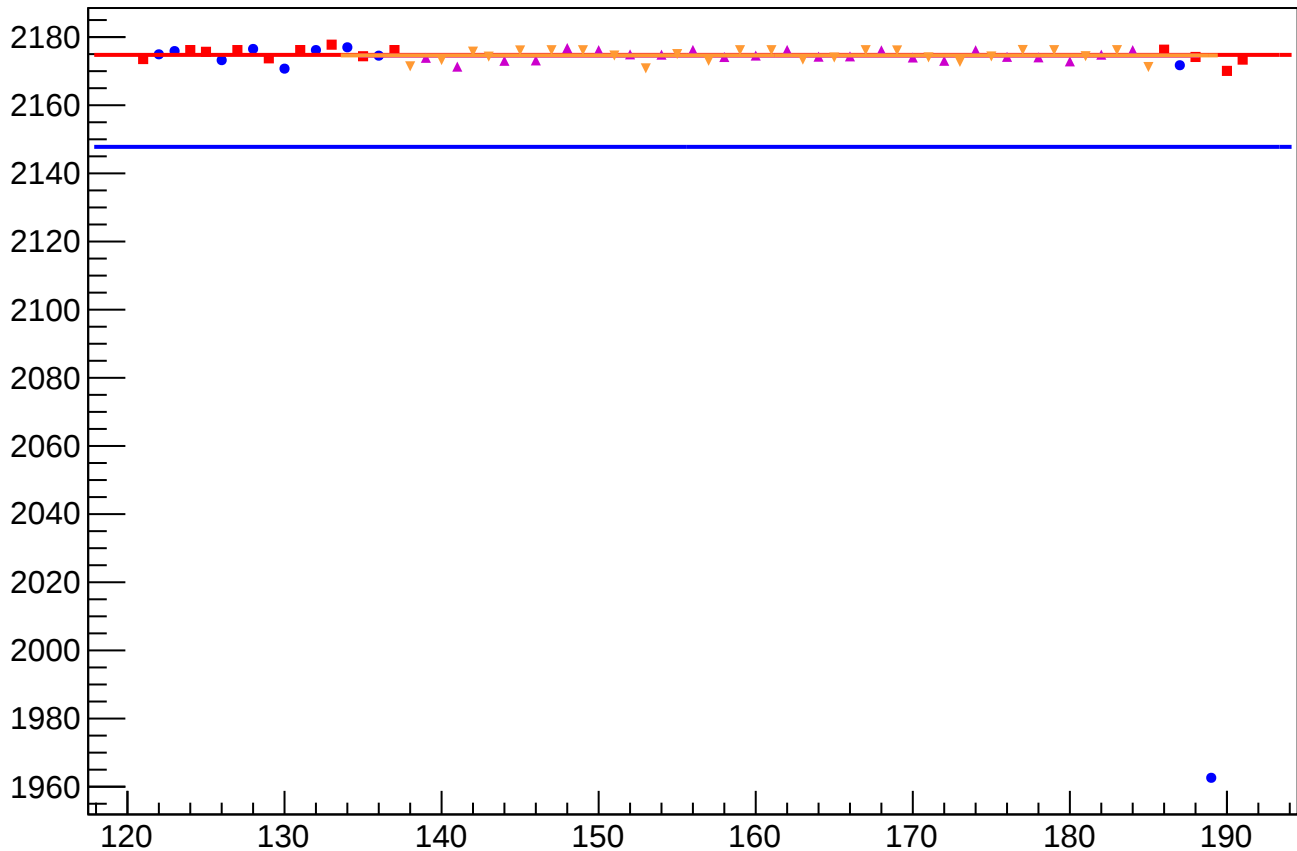
- sign 1446.141+/-0.000 χ^2/NDF : 80940717472233

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 + sign 88.167+/-0.000 χ^2/NDF : 3702254870771732
 Right Out: 89.959+/-0.000 χ^2/NDF : 1284997.6/12 All: 88.308+/-0.000 χ^2/NDF : 5294131245250
 Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22 - sign 88.448+/-0.000 χ^2/NDF : 1500074463727001

HALLA_p_mean vs Slug



Right In: 2147.782+/-0.000 χ^2/NDF : 2001239028453492065294499892906950656.0/9

Left Out: 2174.622+/-0.000 χ^2/NDF : 5110578135476093110874911595823104.0/24

Right Out: 2174.777+/-0.000 χ^2/NDF : 1738951520107555077803129316573184.0/12

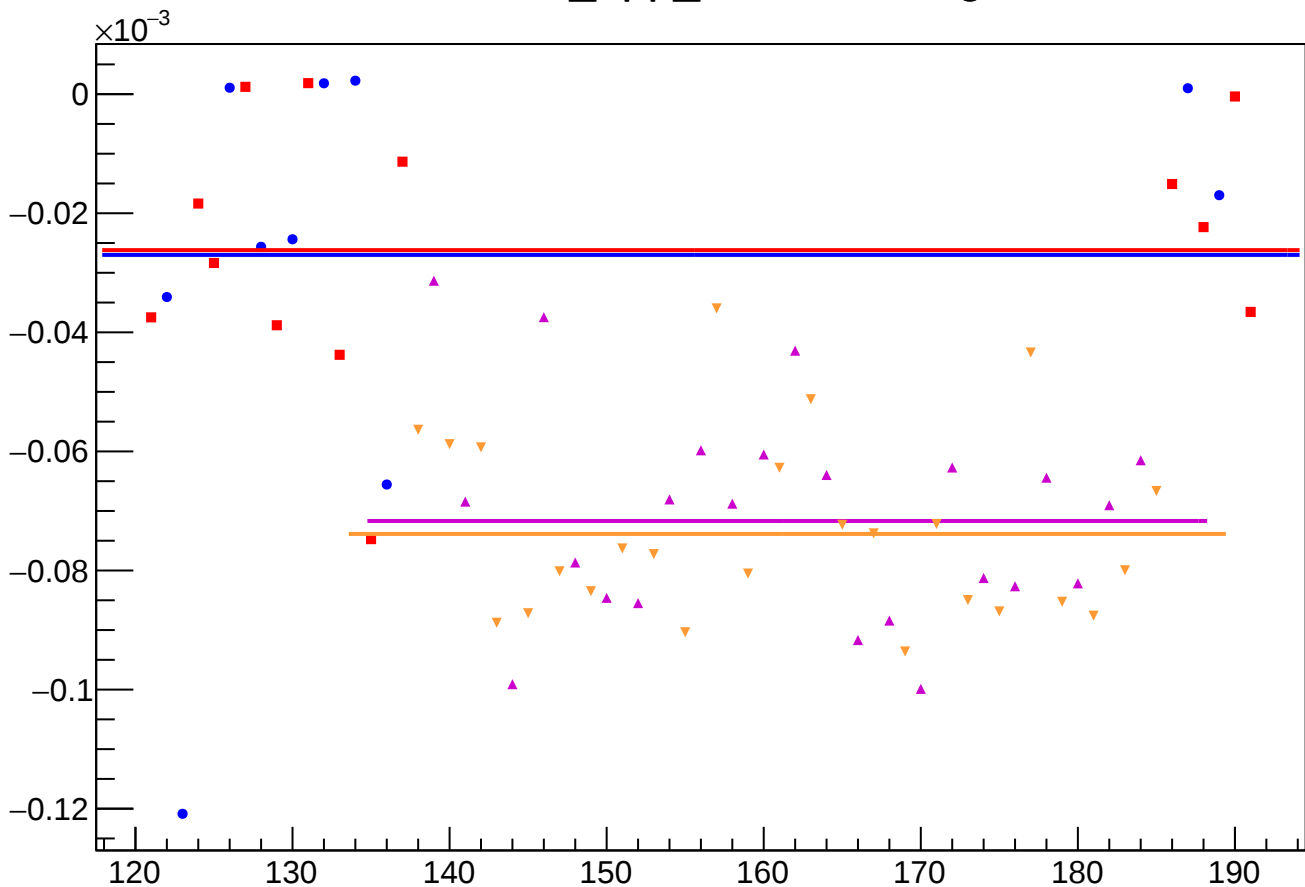
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2169.917+/-0.000 χ^2/NDF : 22475585357275

All: 2172.258+/-0.000 χ^2/NDF : 22780633012

- sign 2174.591+/-0.000 χ^2/NDF : 51623013000372

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 : 235841366856814095761408.0/12

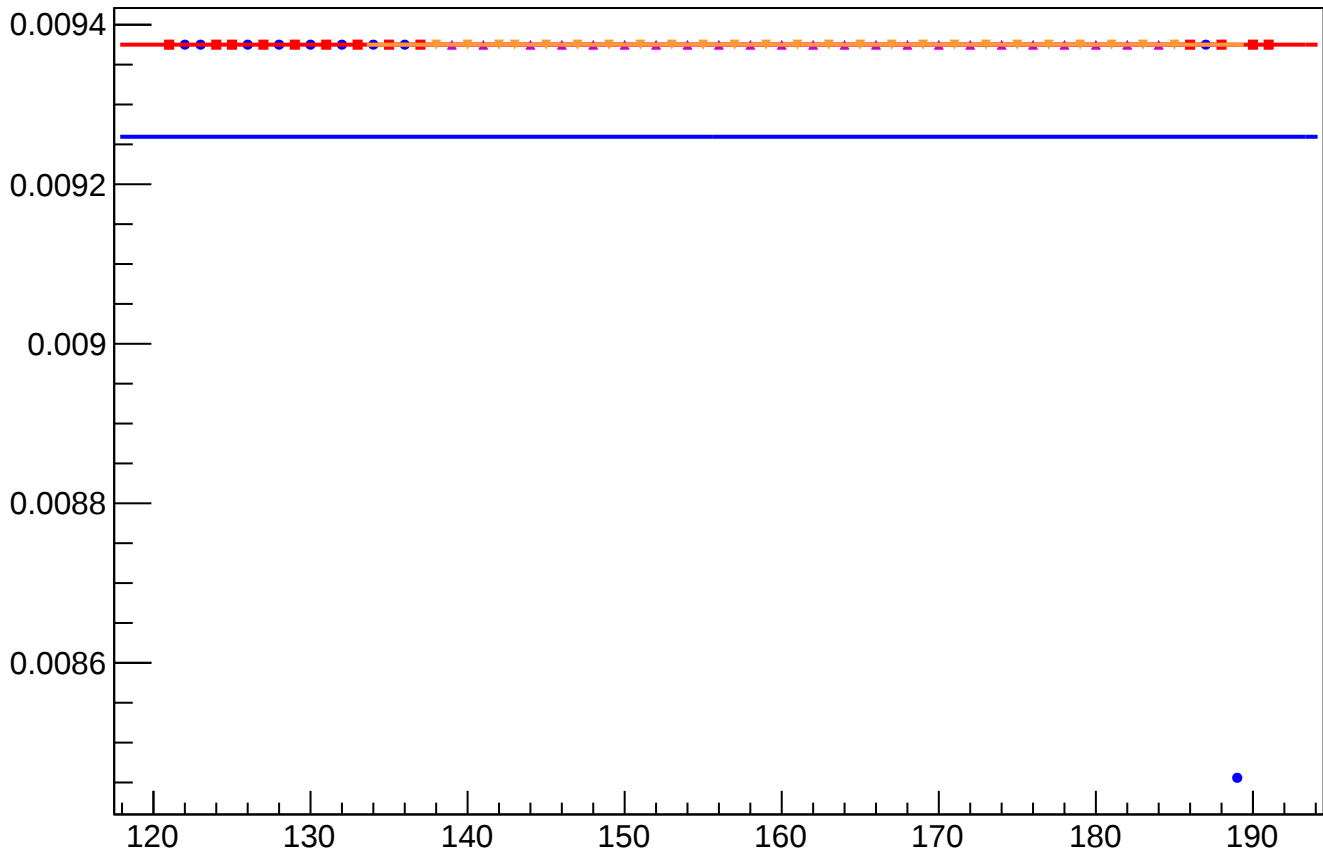
Left In: -0.000 ± 0.000 χ^2/NDF : 562166279020739416817664.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 1454768704967805

All: -0.000 ± 0.000 χ^2/NDF : 3097131288558

- sign -0.000 ± 0.000 χ^2/NDF : 16239222185402203

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 : 0.1/12

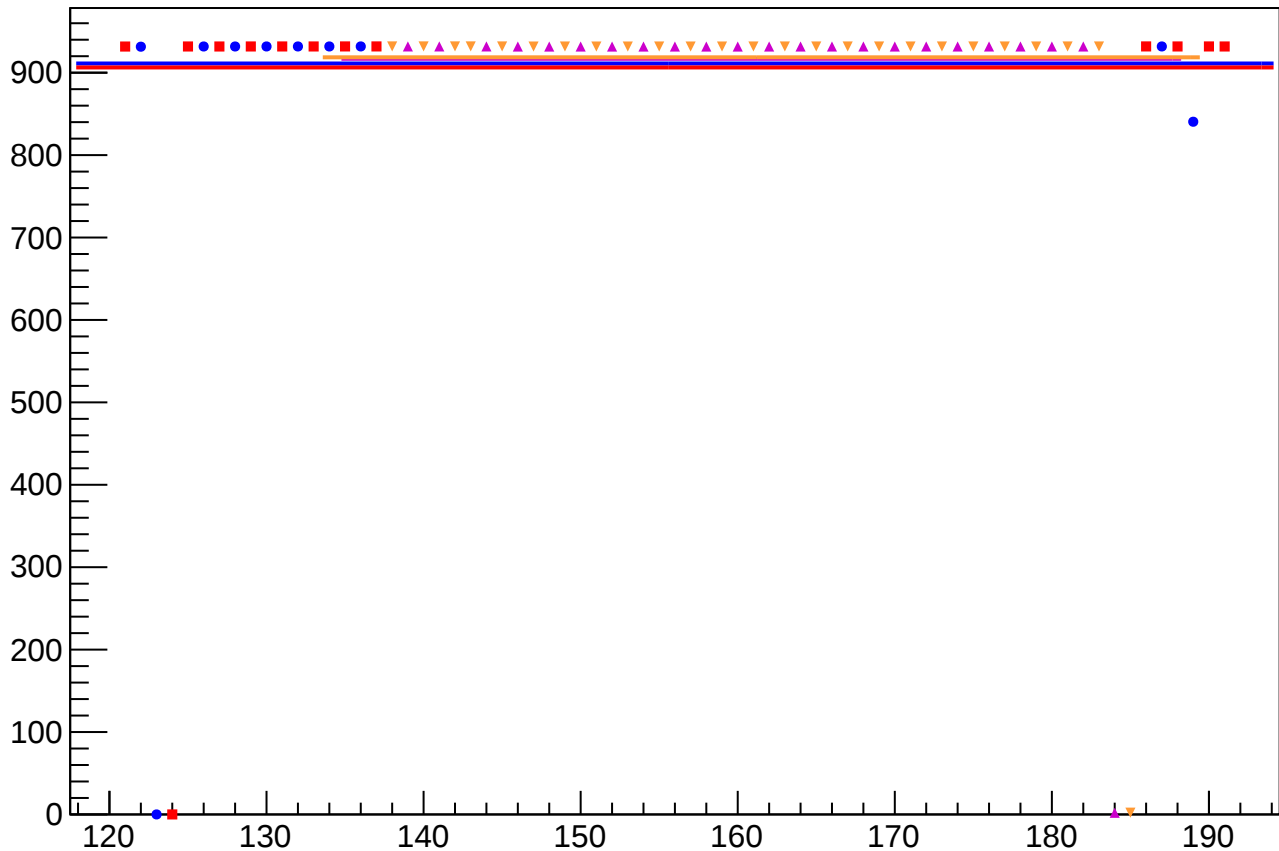
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42134906707176529

All: 0.009+/-0.000 χ^2/NDF : 42609988999910

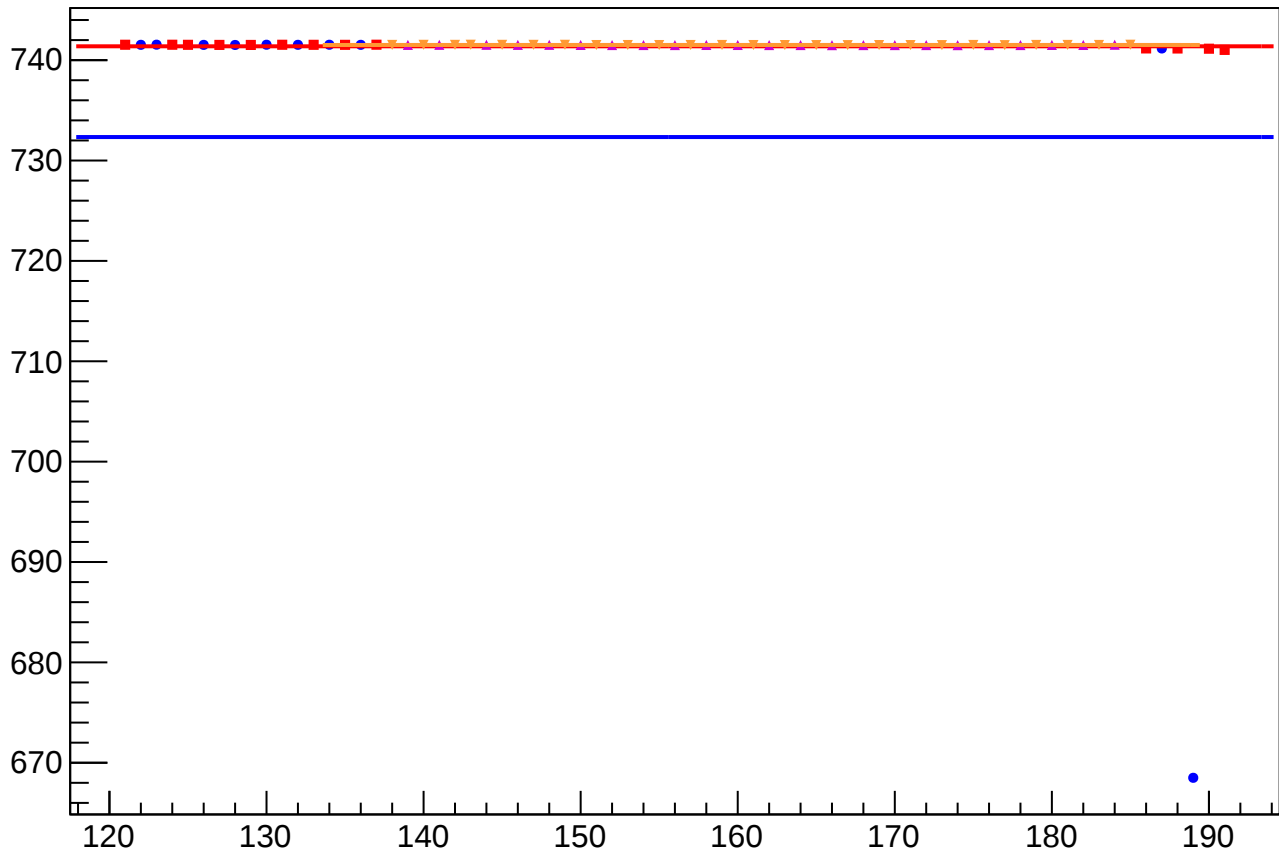
- sign 0.009+/-0.000 χ^2/NDF : 0.2/35

HacL_Q2_HP3458A_IOUT_mean vs Slug



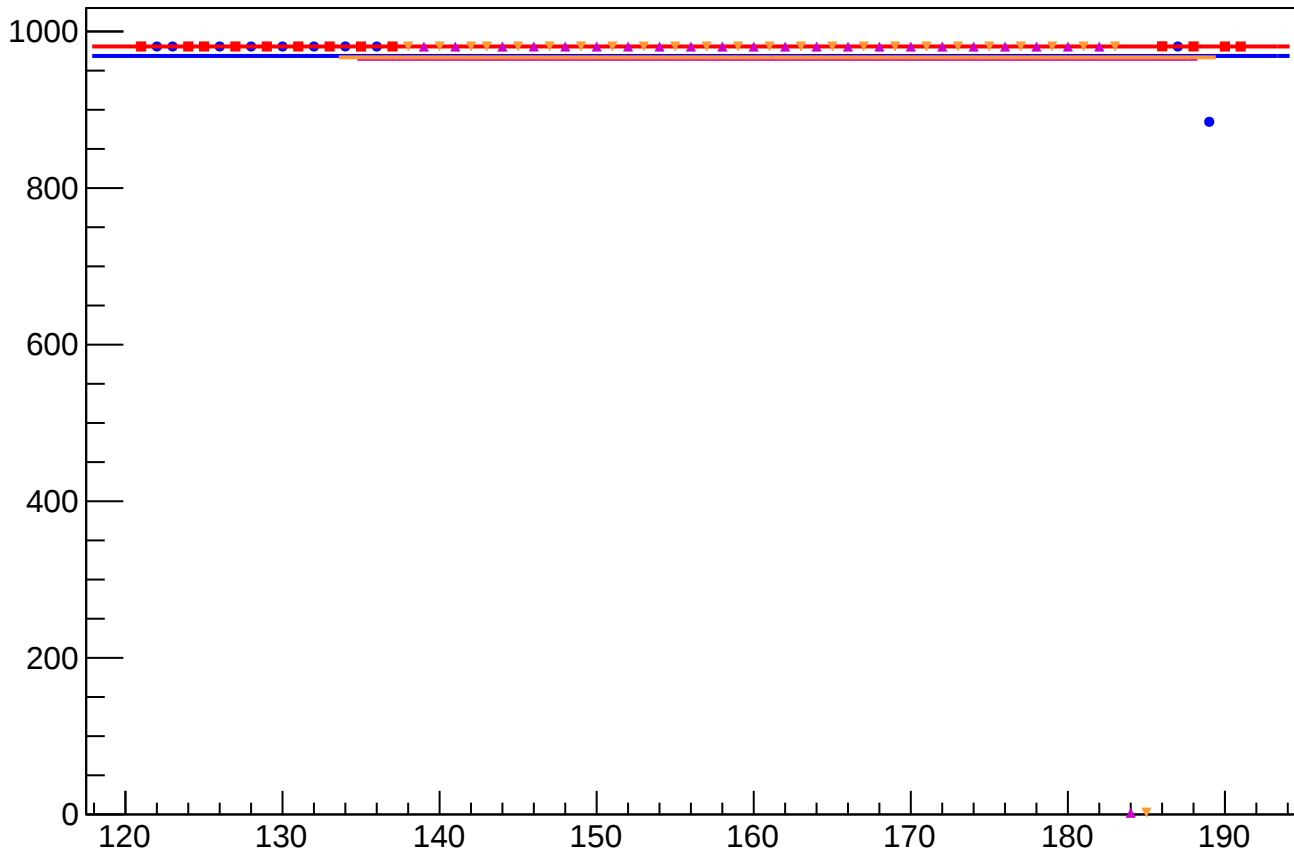
Right In: 911.148+/-0.000 χ^2/NDF : 3724814795110127321454463350940368896.0/9
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 906.347+/-0.000 χ^2/NDF : 11822978615824331717758254113355726848.0/12
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22
 All: 915.946+/-0.000 χ^2/NDF : 632912353960.0/100
 + sign 917.330+/-0.000 χ^2/NDF : 267471298530277.0/100
 - sign 914.566+/-0.000 χ^2/NDF : 365352422097343.0/100

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 732.340+/-0.000 χ^2/NDF : 237710663434083416401695996945367040.0/9
 Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24
 Right Out: 741.381+/-0.000 χ^2/NDF : 18551726047363364827266763718656.0/12
 Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 968.742 $\pm$ 0.000 χ^2/NDF : 412556623891481458701173598650892288.0/9

Left Out: 966.936 $\pm$ 0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.844 $\pm$ 0.000 χ^2/NDF : 1995038460784896062778488389632.0/12

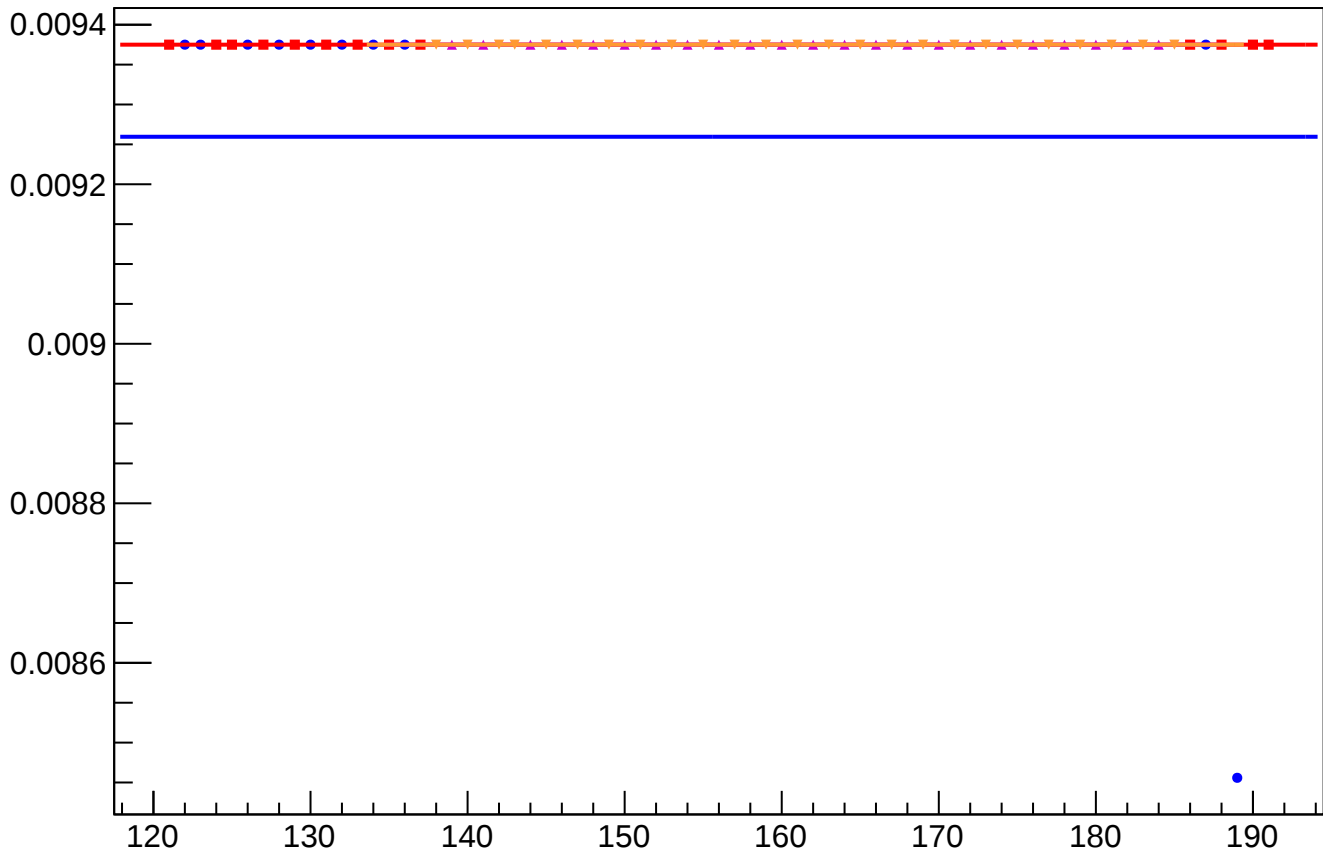
Left In: 965.102 $\pm$ 0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 967.253 $\pm$ 0.000 χ^2/NDF : 258992277047882

All: 967.913 $\pm$ 0.000 χ^2/NDF : 533304742496

- sign 968.572 $\pm$ 0.000 χ^2/NDF : 274292289646937

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 37671655407852576596557824.0/9

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/12

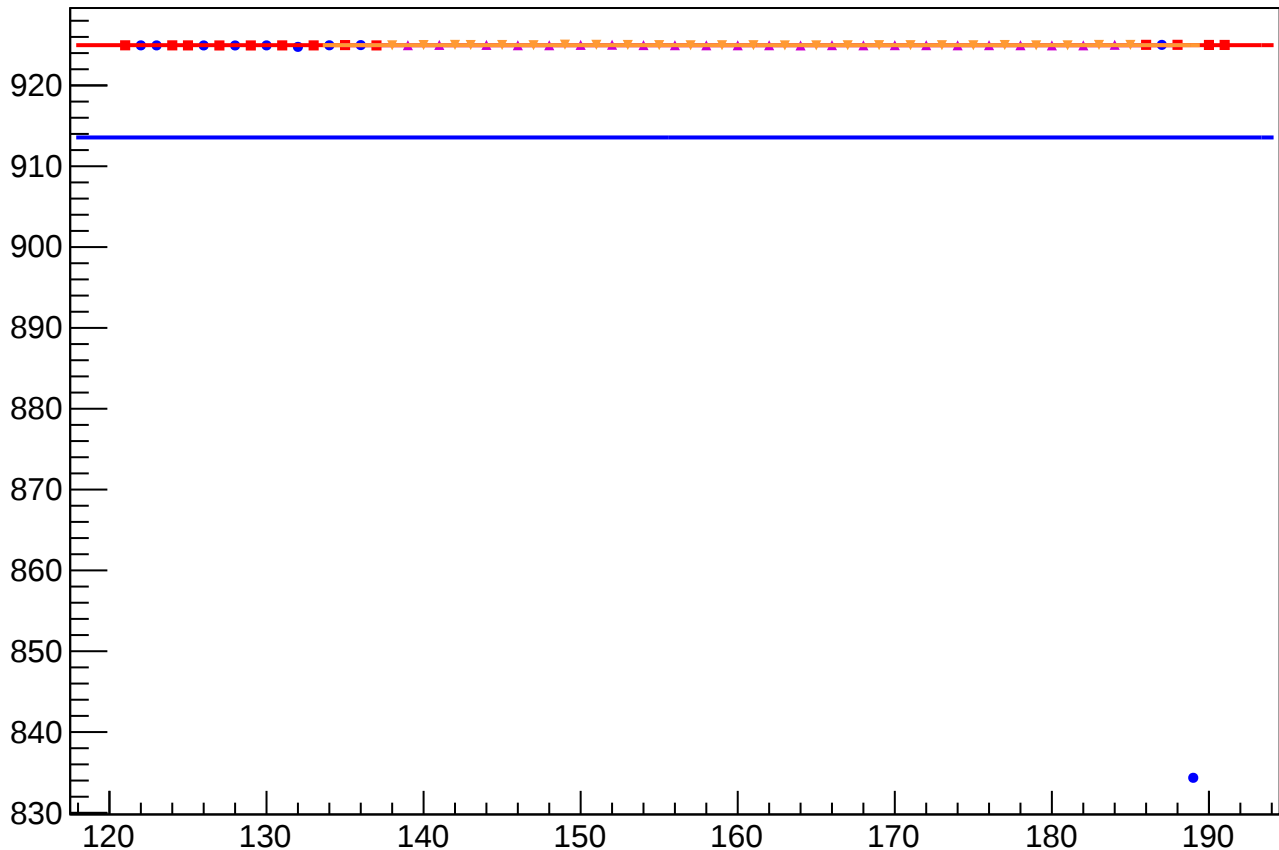
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42134906707176529

All: 0.009+/-0.000 χ^2/NDF : 426099889999910

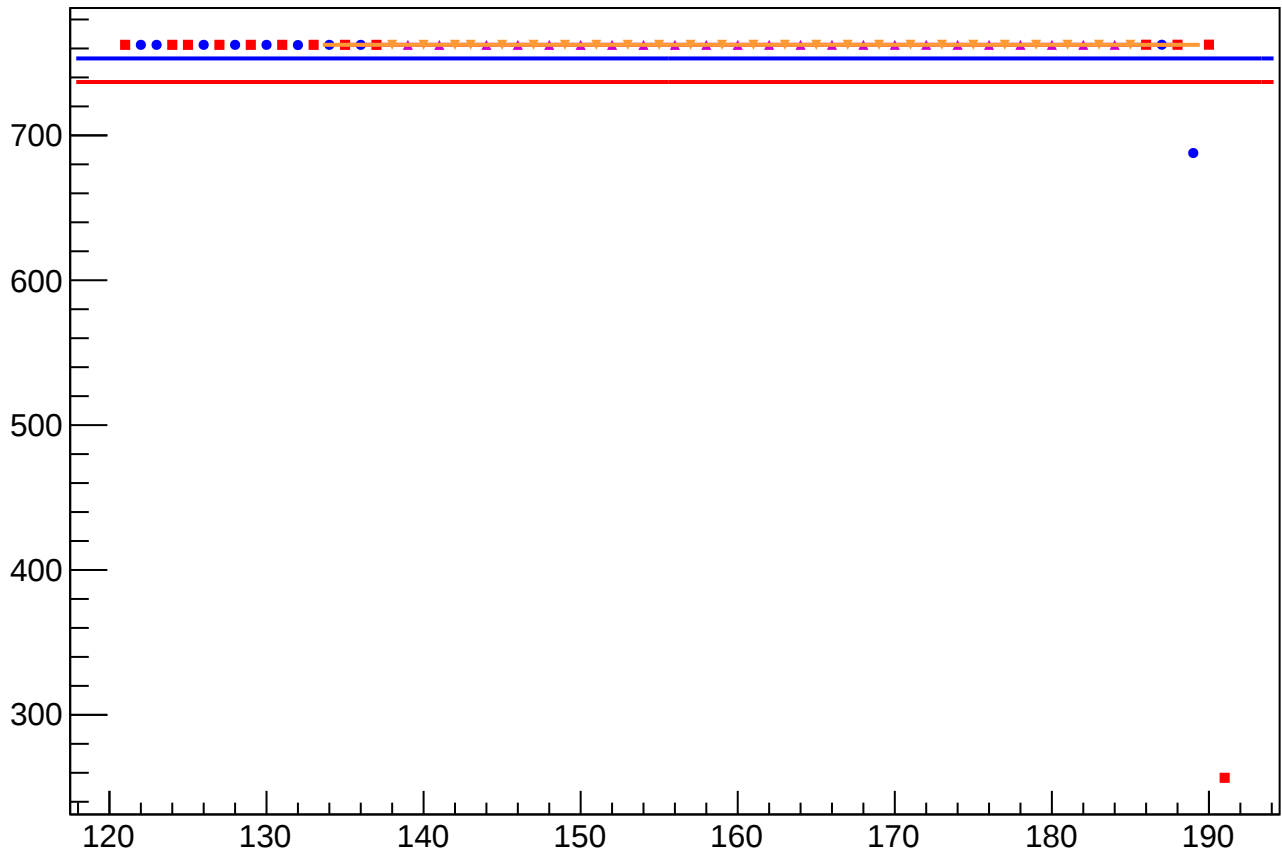
- sign 0.009+/-0.000 χ^2/NDF : 0.2/35

HacR_Q2_HP3458A_IOUT_mean vs Slug



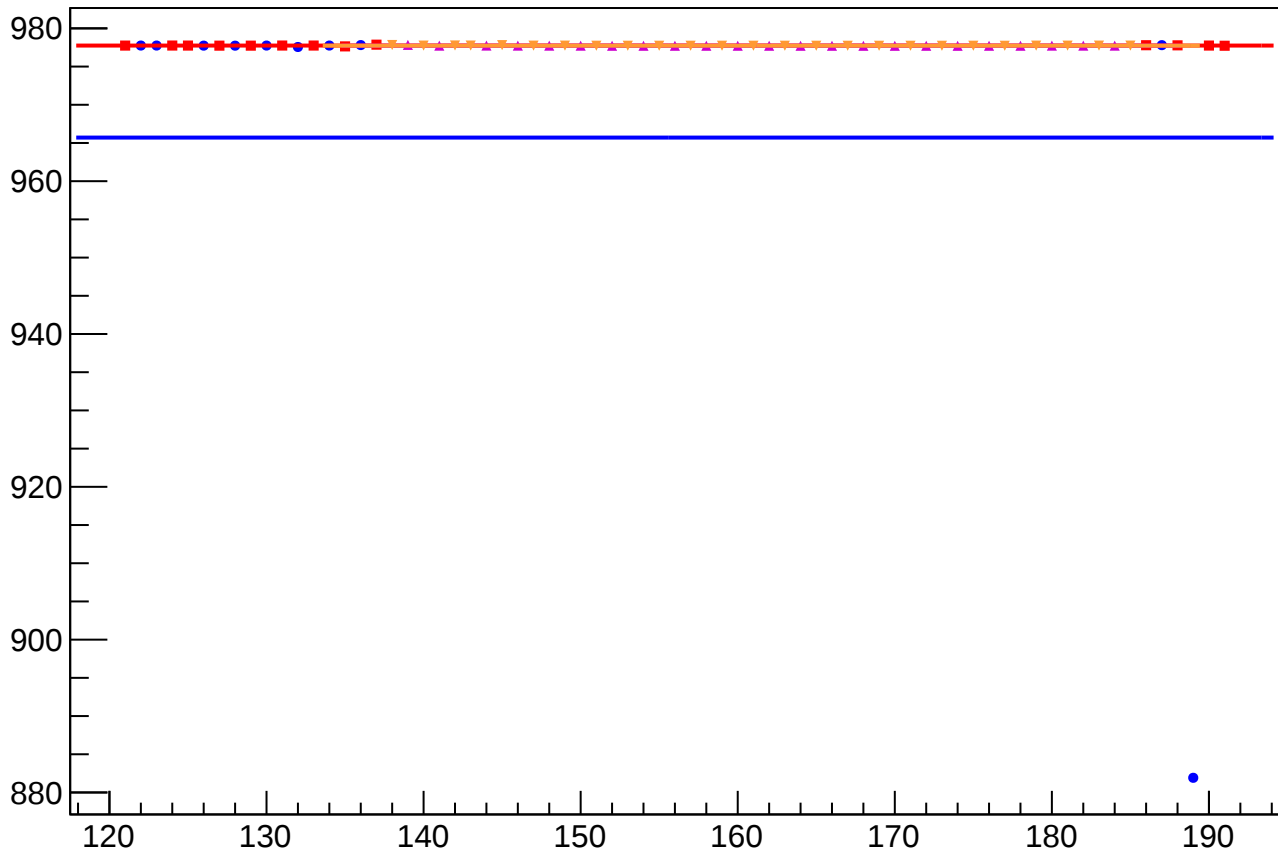
Right In: 913.562 $\pm$ 0.000 χ^2 /NDF: 366058271931843986263462161248419840.0/9
 Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24
 Right Out: 924.980 $\pm$ 0.000 χ^2 /NDF: 520299909712652106588189884416.0/12
 Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22
 + sign 922.981 $\pm$ 0.000 χ^2 /NDF: 409732316198877
 All: 923.983 $\pm$ 0.000 χ^2 /NDF: 41438096859
 - sign 924.982 $\pm$ 0.000 χ^2 /NDF: 141186128466373

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: 736.835+/-0.000 χ^2/NDF : 6318356853792801414755158542883225600.0/12
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 965.707 $\pm$ 0.000 χ^2 /NDF: 409469280914675504381927925097693184.0/9

Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24

Right Out: 977.749 $\pm$ 0.000 χ^2 /NDF: 994270738783232407048177057792.0/12

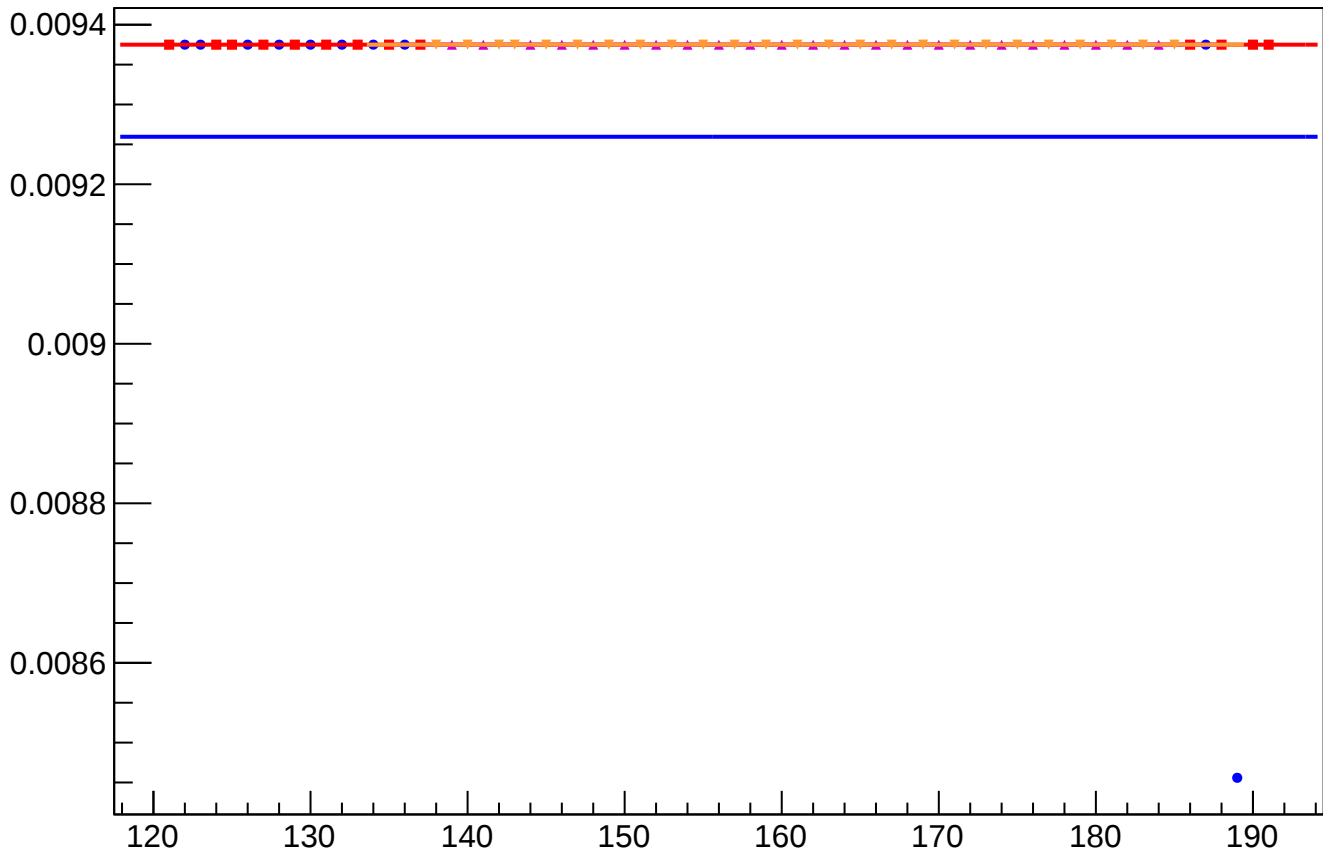
Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22

All: 976.685 $\pm$ 0.000 χ^2 /NDF: 463097470280.0/24

+ sign 975.629 $\pm$ 0.000 χ^2 /NDF: 457935360201651.0/24

- sign 977.738 $\pm$ 0.000 χ^2 /NDF: 205253738766377.0/24

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: 0.1/12

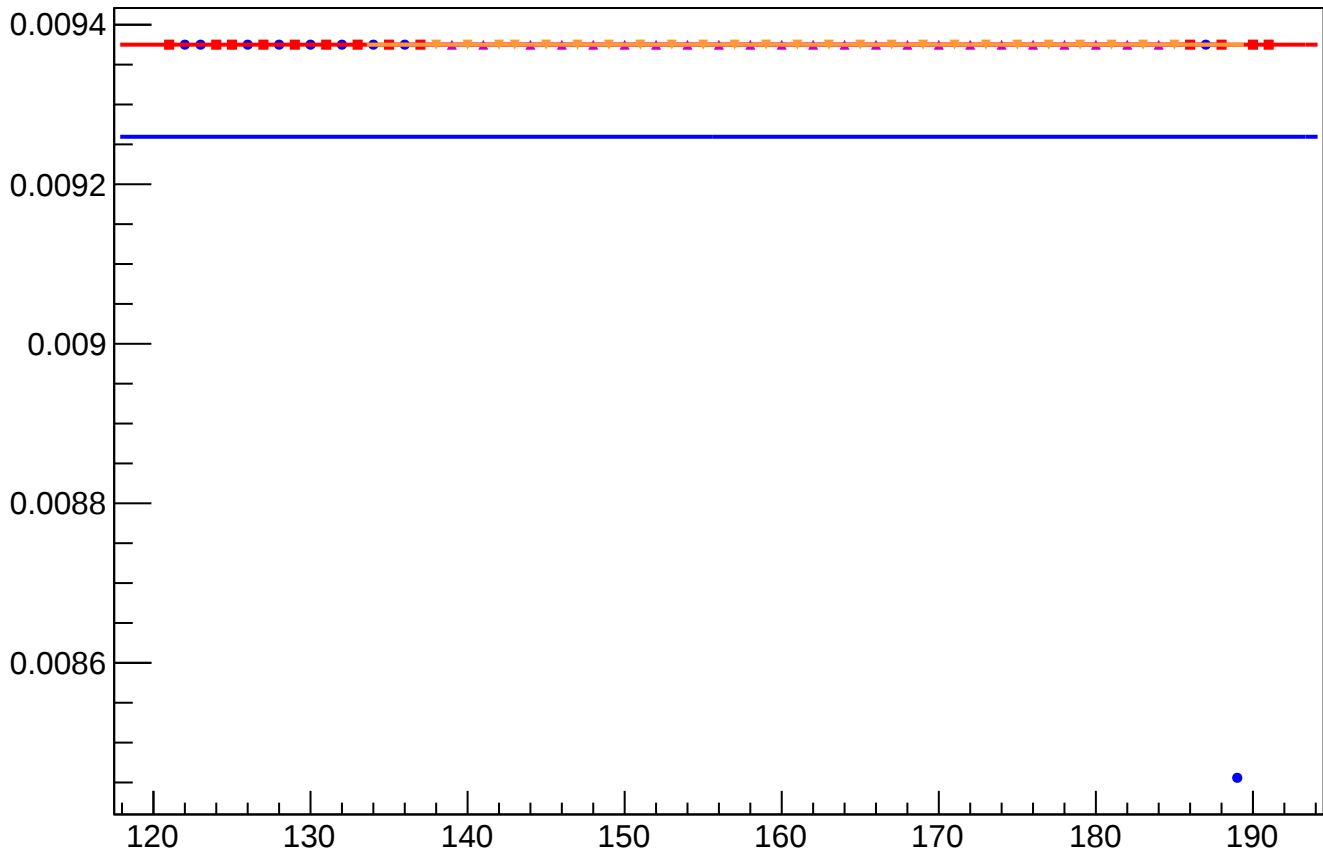
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42134906707176529

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 426099889999910

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/35

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 : 0.1/12

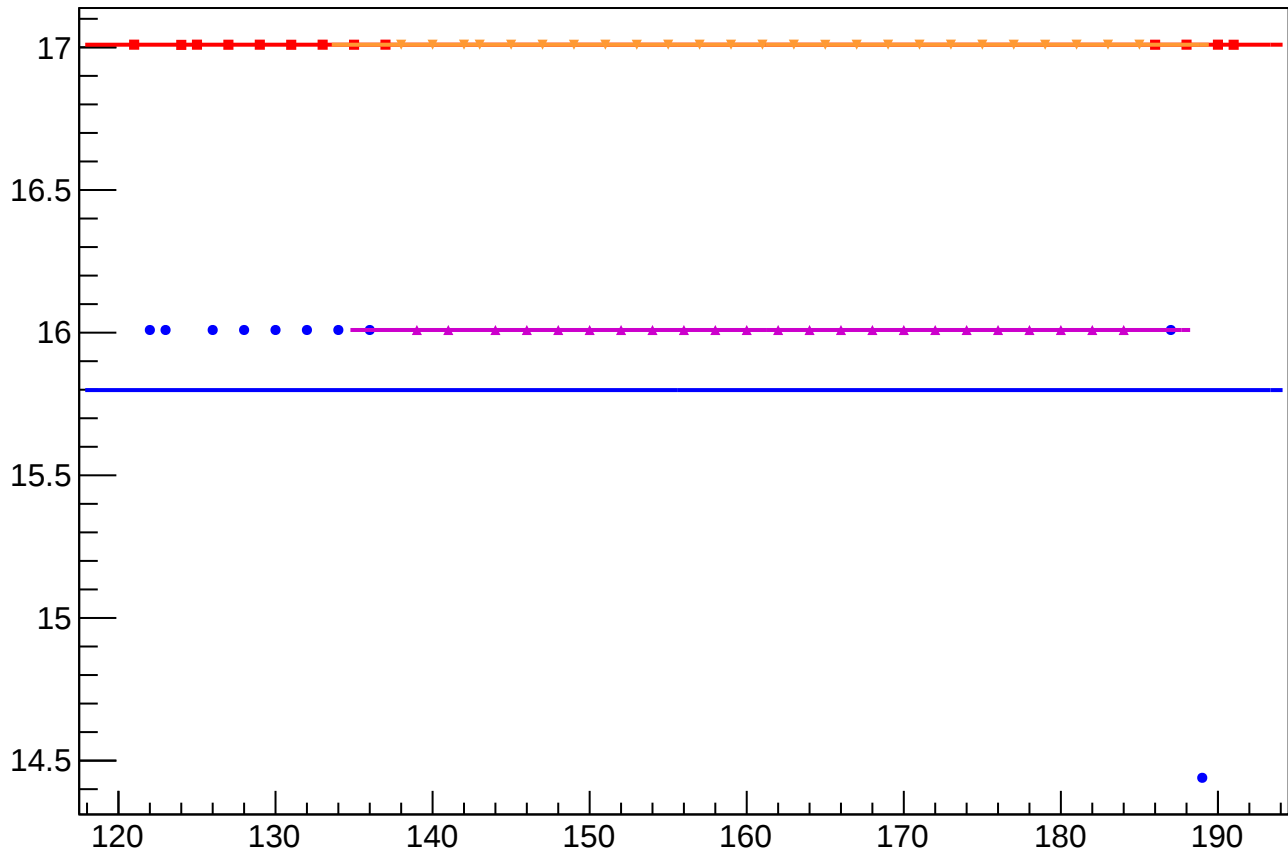
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42134906707176529

All: 0.009+/-0.000 χ^2/NDF : 426099889999910

- sign 0.009+/-0.000 χ^2/NDF : 0.2/35

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 : 11372984013858191609692160.0/12

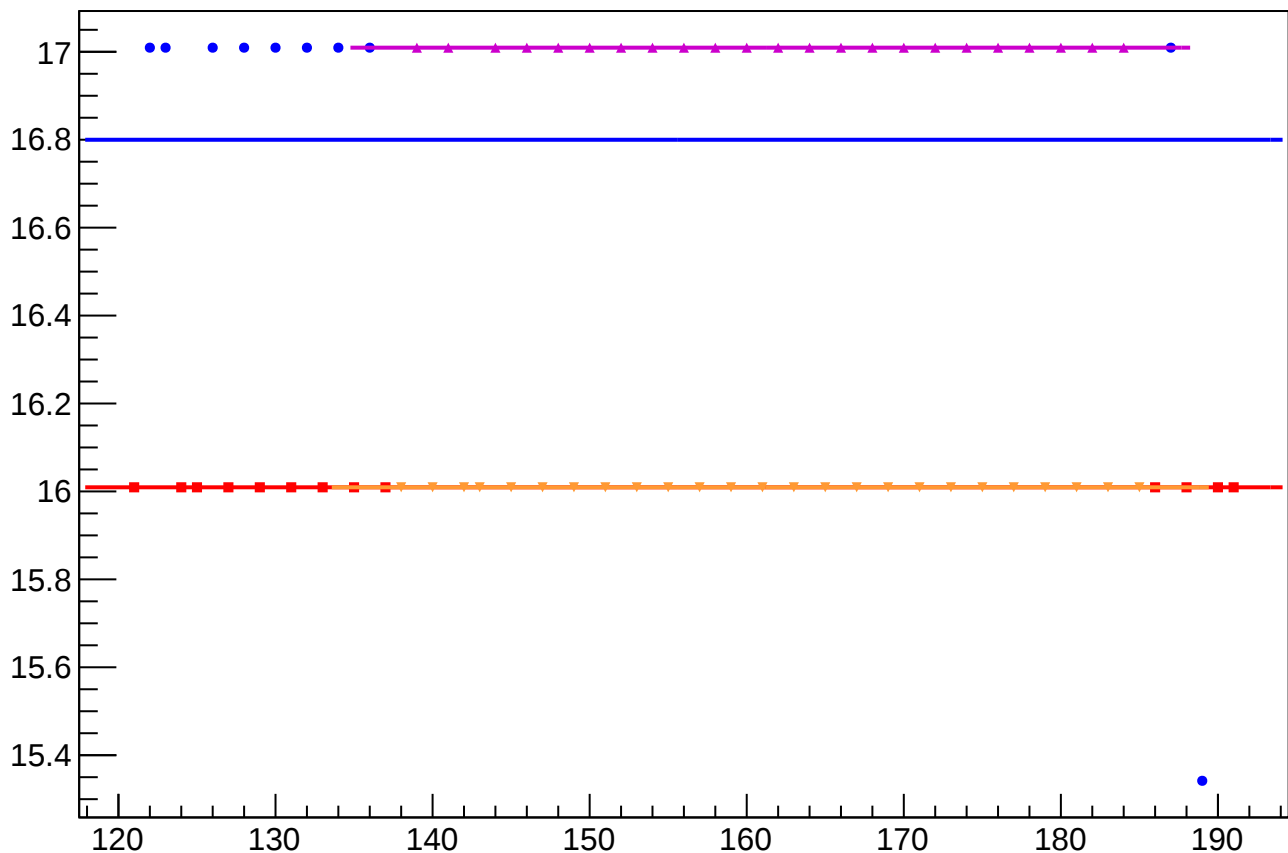
Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

+ sign 16.796+/-0.000 χ^2/NDF : 5674380871123390

All: 16.515+/-0.000 χ^2/NDF : 1288807762474

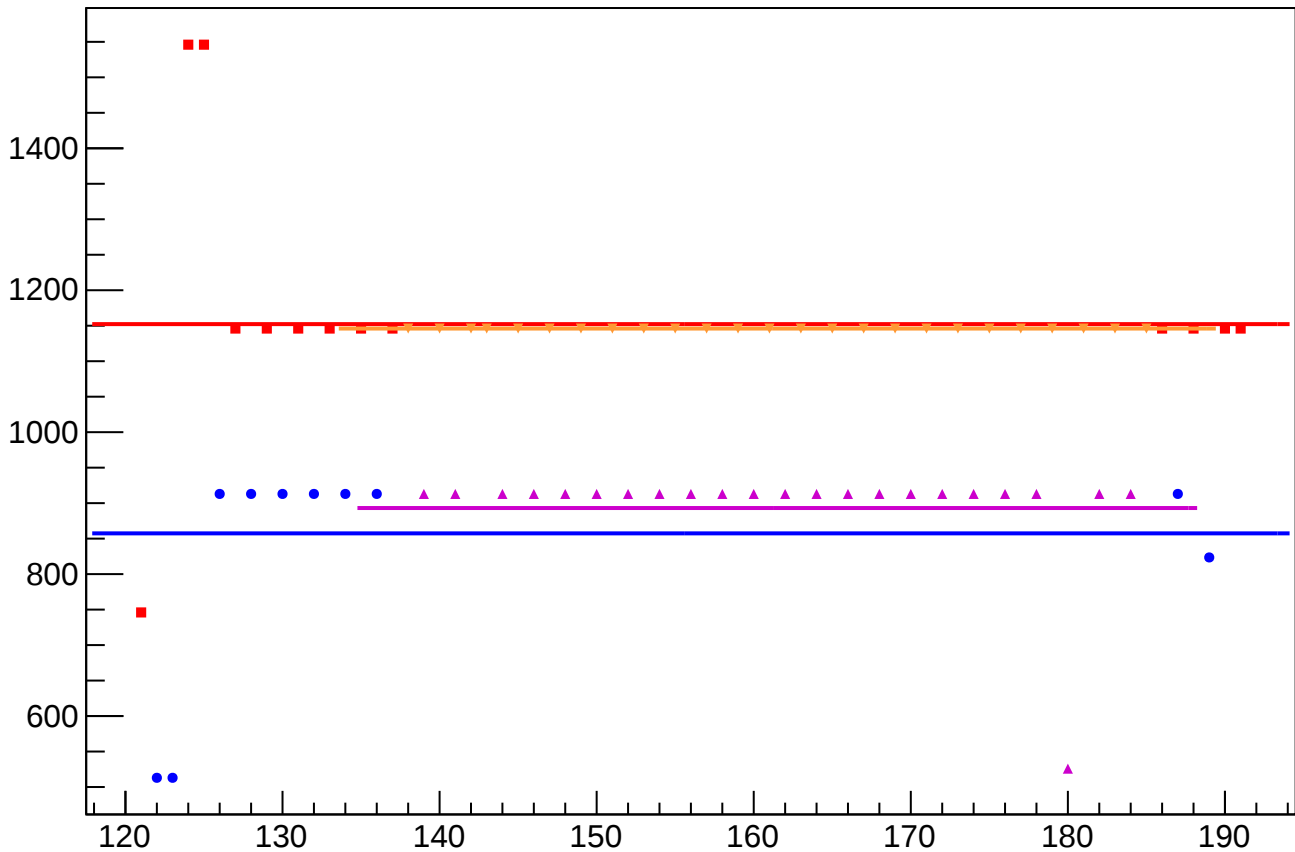
- sign 16.237+/-0.000 χ^2/NDF : 3830113804258925

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 + sign 16.149+/-0.000 χ^2/NDF : 3327855324172898
 Right Out: 16.009+/-0.000 χ^2/NDF : 141035.7/12 All: 16.466+/-0.000 χ^2/NDF : 1190690070921
 Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22 - sign 16.785+/-0.000 χ^2/NDF : 3969222125833237

RTPAPOSUCNT_mean vs Slug



Right In: 857.414+/-0.000 χ^2/NDF : 6354508219207121827863428688842326016.0/9

+ sign 1095.419+/-0.000 χ^2/NDF : 34241605983404

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

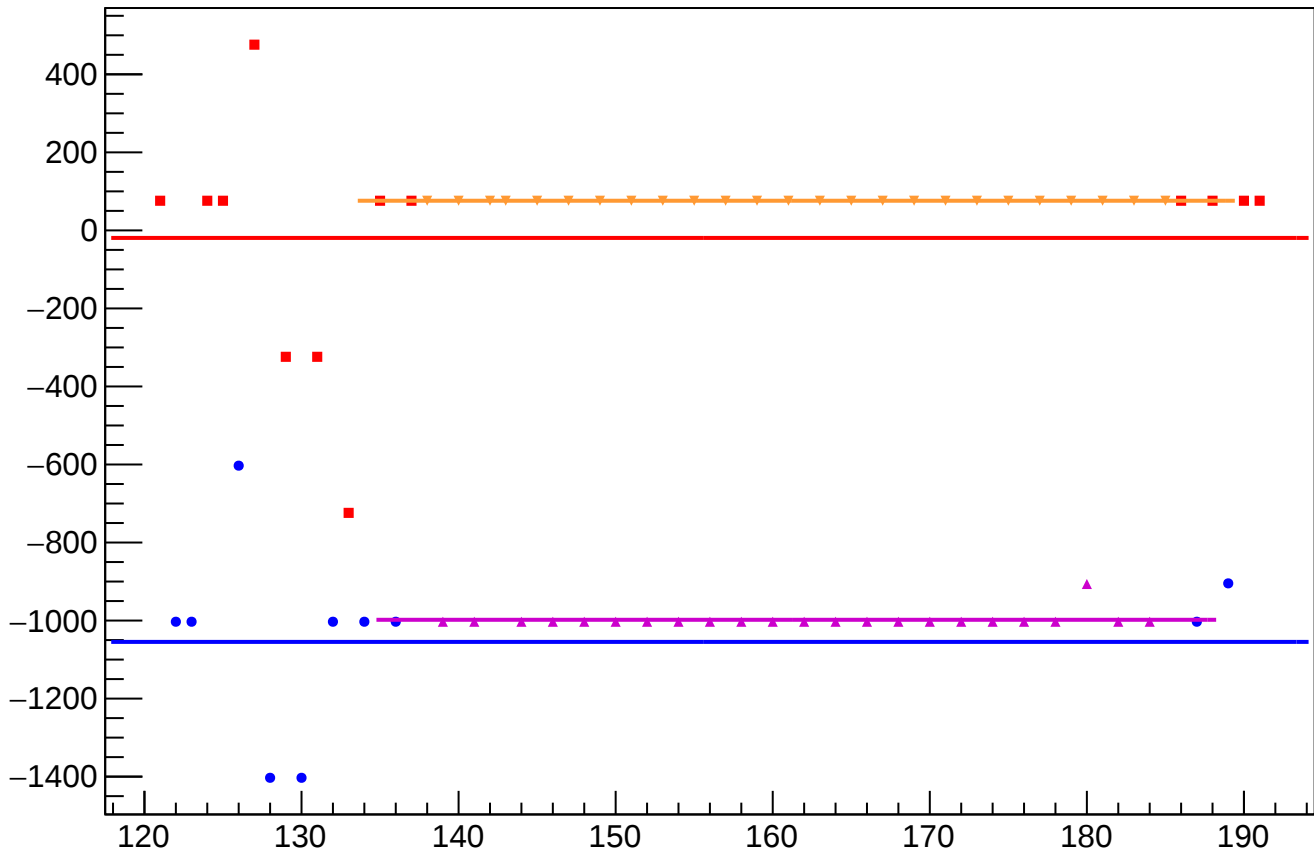
All: 1022.717+/-0.000 χ^2/NDF : 11245383321

Right Out: 1152.260+/-0.000 χ^2/NDF : 13740667527768954173471207694954135552.0/12

- sign 950.233+/-0.000 χ^2/NDF : 537657111858983

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1054.676+/-0.000 χ^2/NDF : 22608131434739457083296378094400569344.0/9
 Left Out: 76.011+/-0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: -19.302+/-0.000 χ^2/NDF : 42388458814459467006894755337335734272.0/12
 Left In: -998.020+/-0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22
 All: -452.752+/-0.000 χ^2/NDF : 13815749867
 + sign -122.201+/-0.000 χ^2/NDF : 45066938741489
 - sign -782.306+/-0.000 χ^2/NDF : 42555861931518