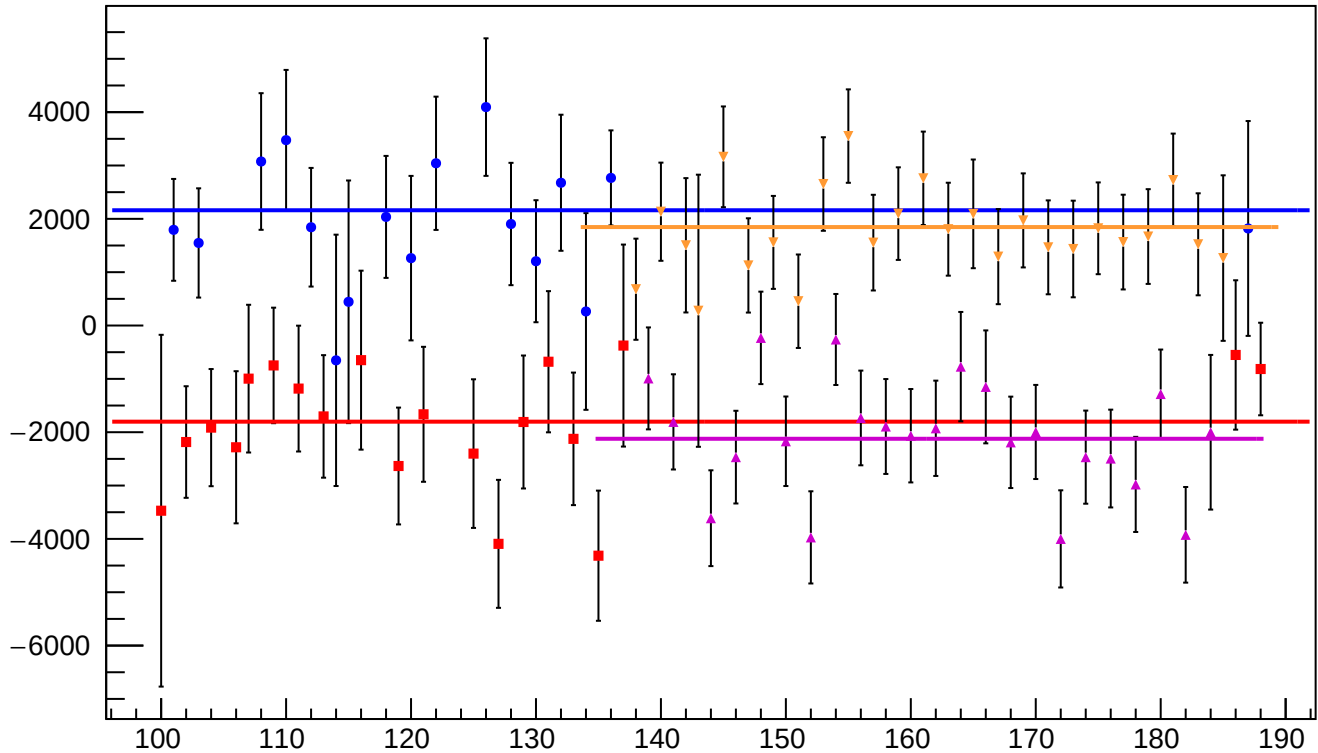


reg_asym_us_avg_mean vs Slug



Right In: 2160.929+/-304.461

χ^2/NDF : 9.7/16

Left Out: 1845.799+/-186.902

χ^2/NDF : 15.5/24

Right Out: -1802.417+/-278.931

χ^2/NDF : 14.7/19

Left In: -2123.138+/-188.684

χ^2/NDF : 32.0/22

+ sign 1932.051+/-159.283

χ^2/NDF : 25.9/41

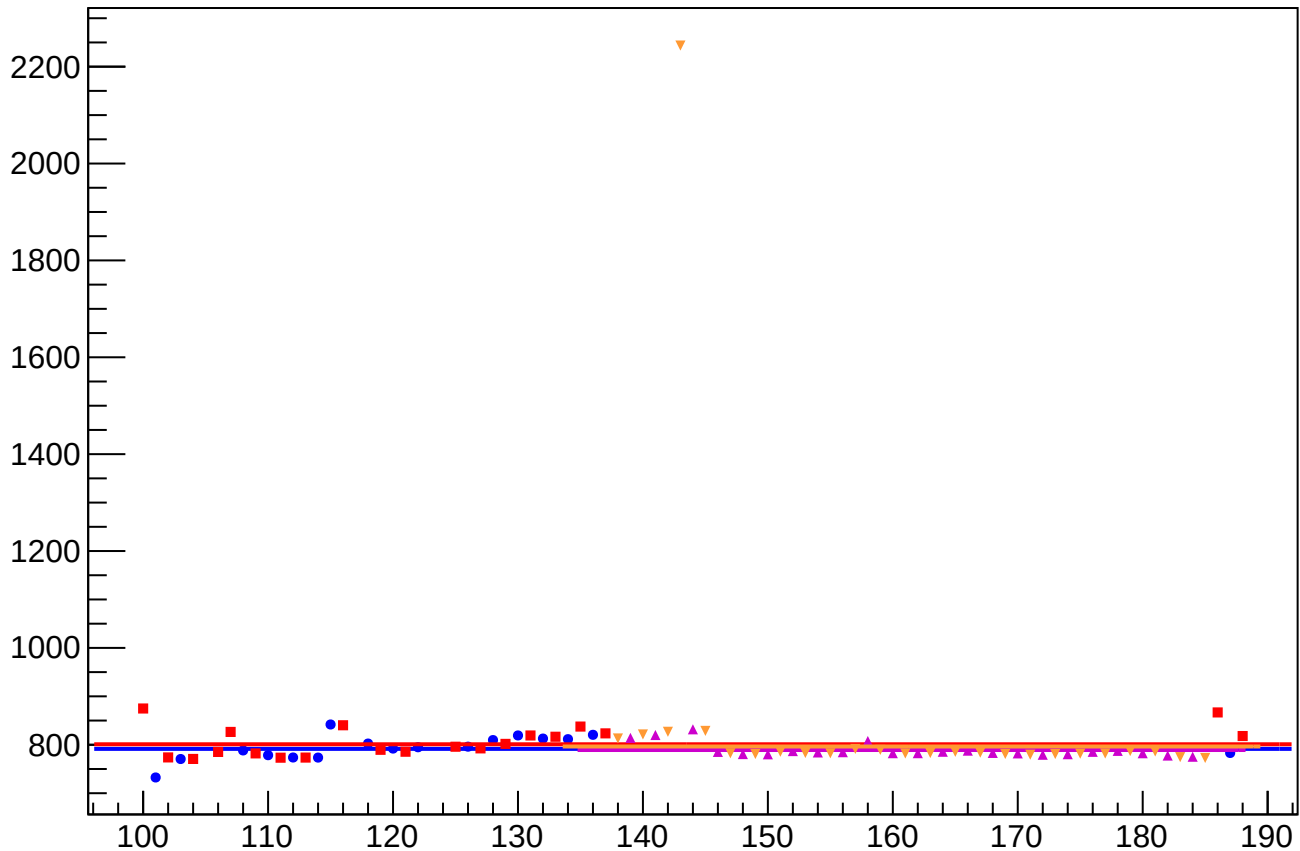
All: -82.771+/-111.555

χ^2/NDF : 387.5/84

- sign -2022.452+/-156.285

χ^2/NDF : 47.6/42

reg_asym_us_avg_rms vs Slug



Right In: 791.525+/-0.215 χ^2/NDF : 15157.9/16

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

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

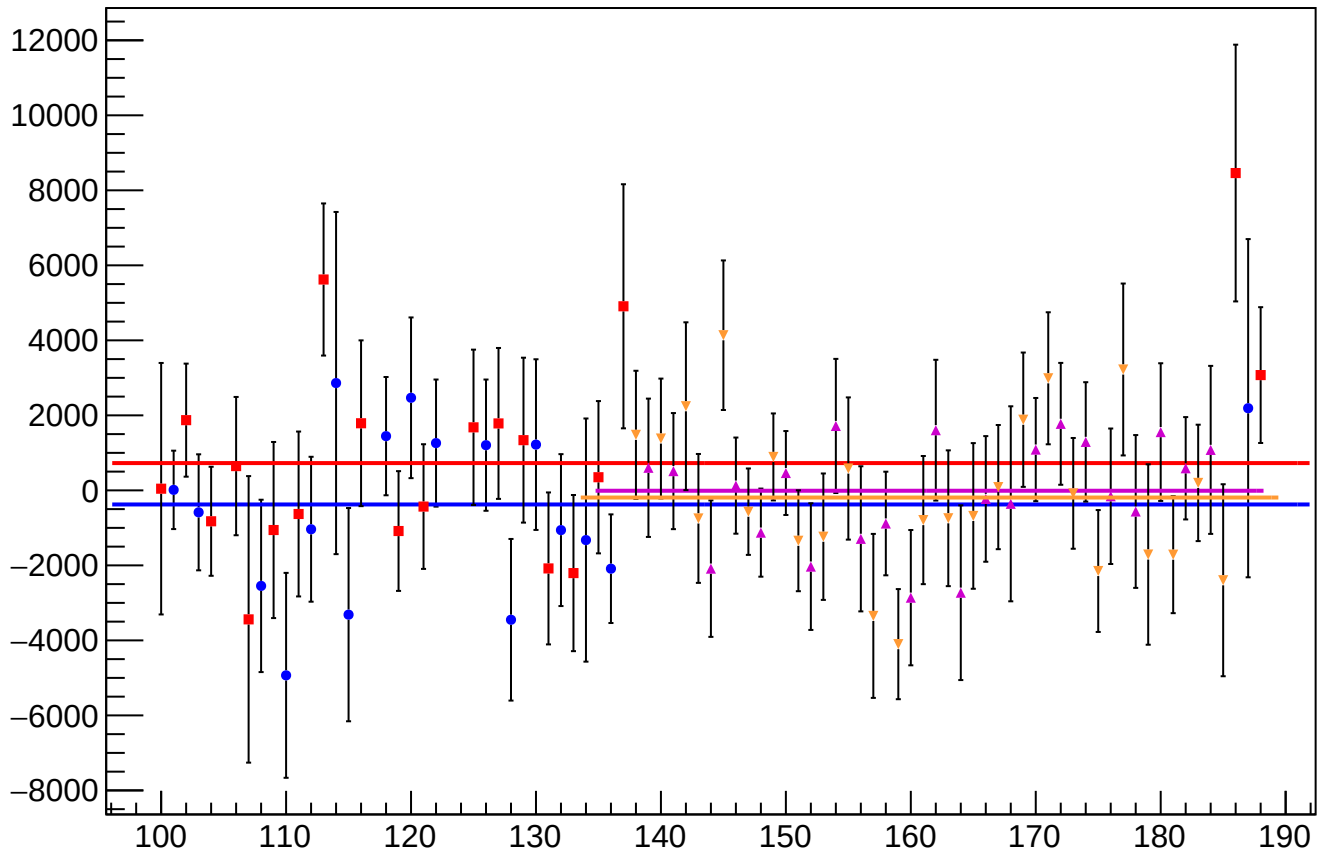
Left In: 789.185+/-0.133 χ^2/NDF : 11343.2/22

+ sign 795.095+/-0.113 χ^2/NDF : 674245.4/41

All: 793.977+/-0.079 χ^2/NDF : 705578.4/84

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

asym_us_avg_correction_mean vs Slug



Right In: -375.926 ± 462.995 $\chi^2/\text{NDF}: 14.8/16$

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

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

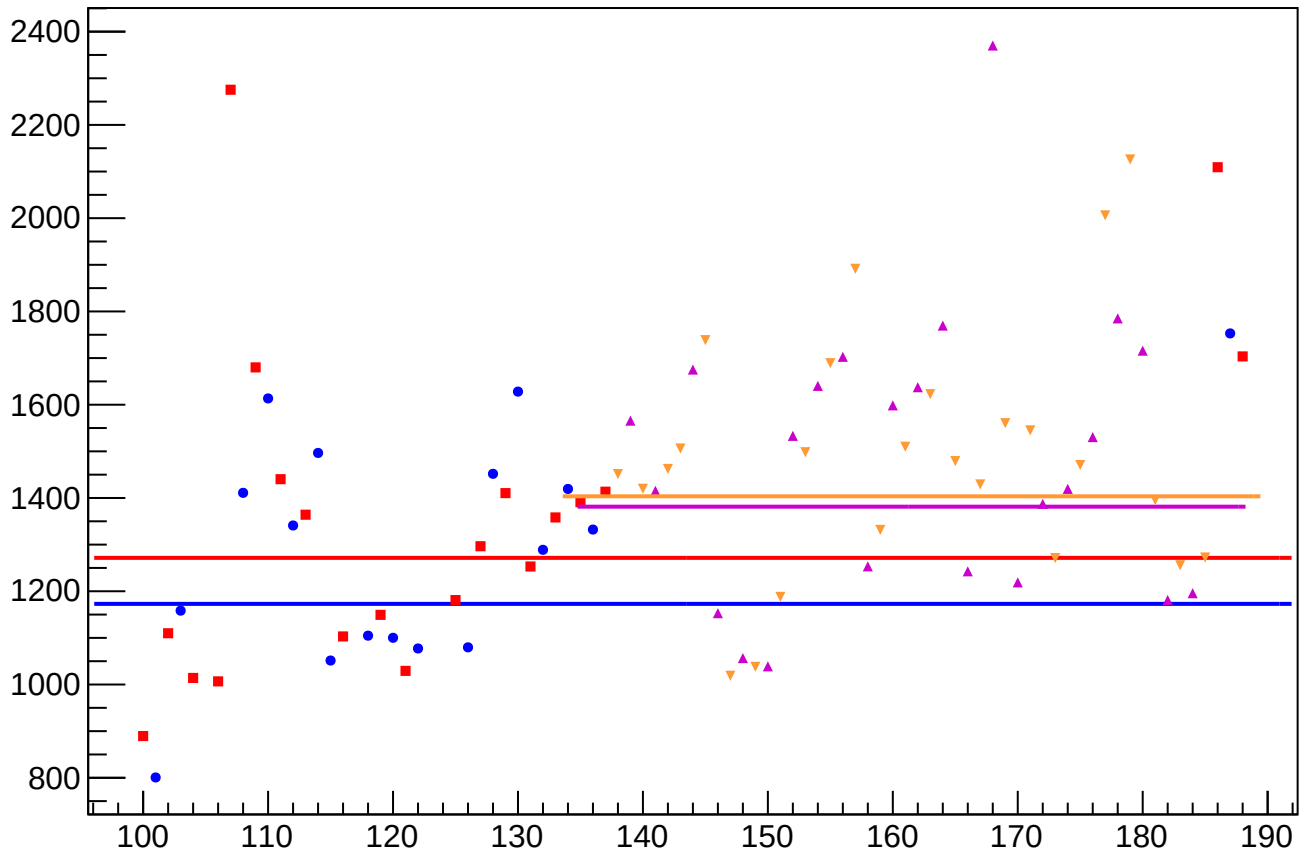
Left In: -10.093 ± 337.810 $\chi^2/\text{NDF}: 14.2/22$

+ sign -254.290 ± 270.823 $\chi^2/\text{NDF}: 45.0/41$

All: -1.157 ± 191.595 $\chi^2/\text{NDF}: 87.4/84$

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

asym_us_avg_correction_rms vs Slug



Right In: 1172.959+/-0.327 χ^2/NDF : 563229.6/16

Left Out: 1403.610+/-0.236 χ^2/NDF : 1126524.9/24

Right Out: 1271.630+/-0.321 χ^2/NDF : 693542.8/19

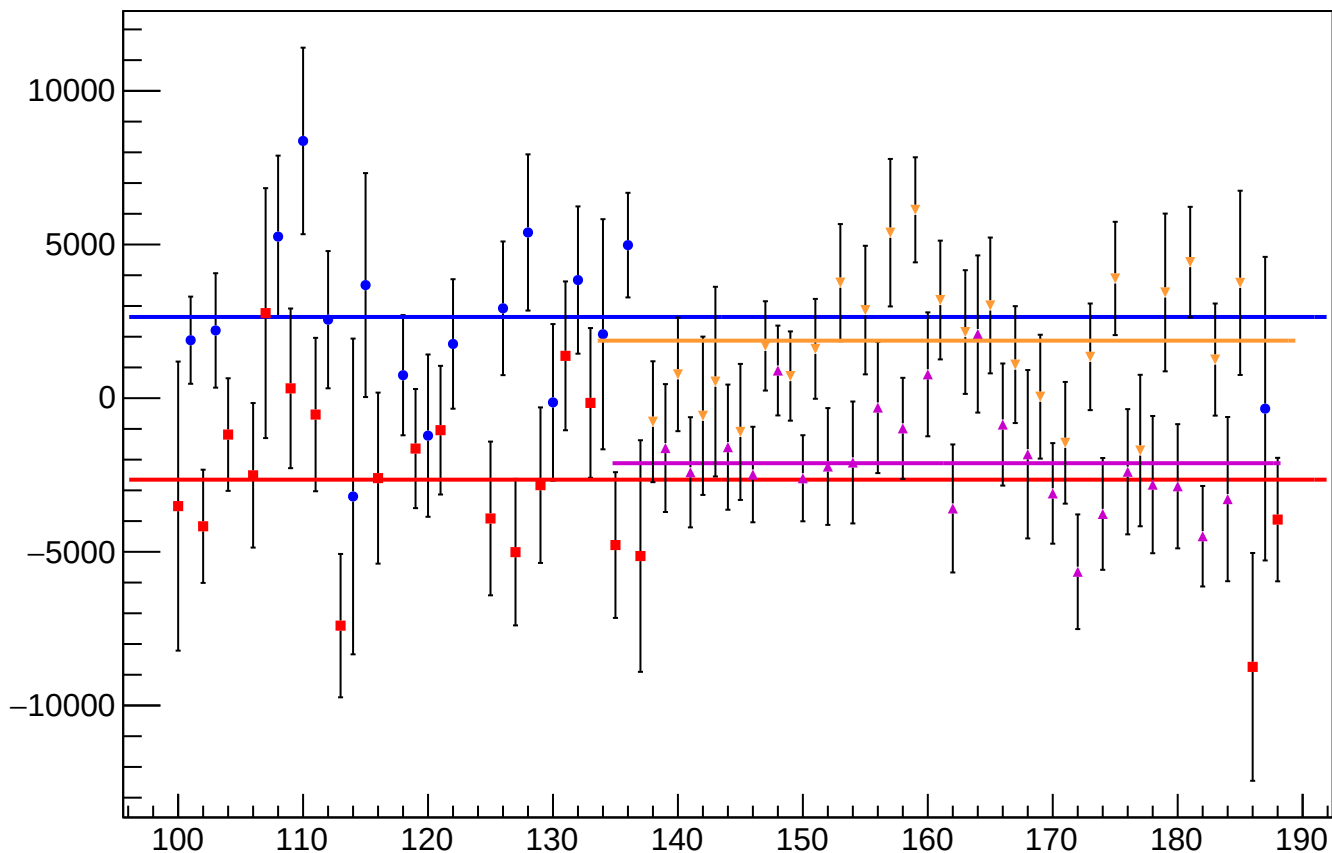
Left In: 1381.359+/-0.239 χ^2/NDF : 1276488.2/22

+ sign 1324.693+/-0.192 χ^2/NDF : 2016276.1/41

All: 1333.485+/-0.135 χ^2/NDF : 4065652.3/84

- sign 1342.294+/-0.192 χ^2/NDF : 2045156.3/42

asym_us_avg_mean vs Slug



Right In: 2642.308 $\pm$ 564.868 χ^2/NDF : 14.4/16

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

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

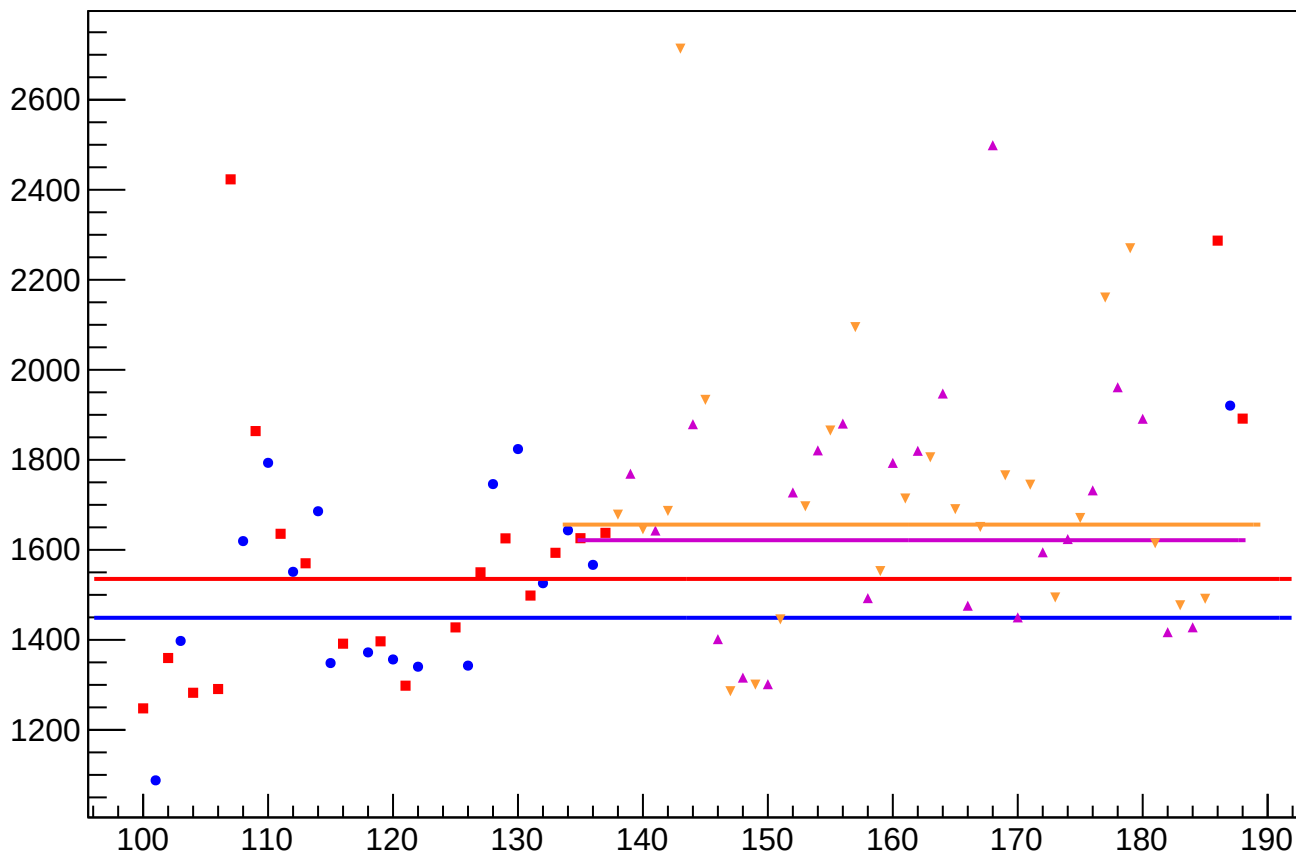
Left In: -2116.114 $\pm$ 392.997 χ^2/NDF : 18.8/22

+ sign 2121.871 $\pm$ 321.873 χ^2/NDF : 41.8/41

All: -113.867 $\pm$ 226.329 χ^2/NDF : 176.2/84

- sign -2300.377 $\pm$ 318.310 χ^2/NDF : 39.0/42

asym_us_avg_rms vs Slug



Right In: 1449.051+/-0.399 χ^2/NDF : 296745.1/16

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

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

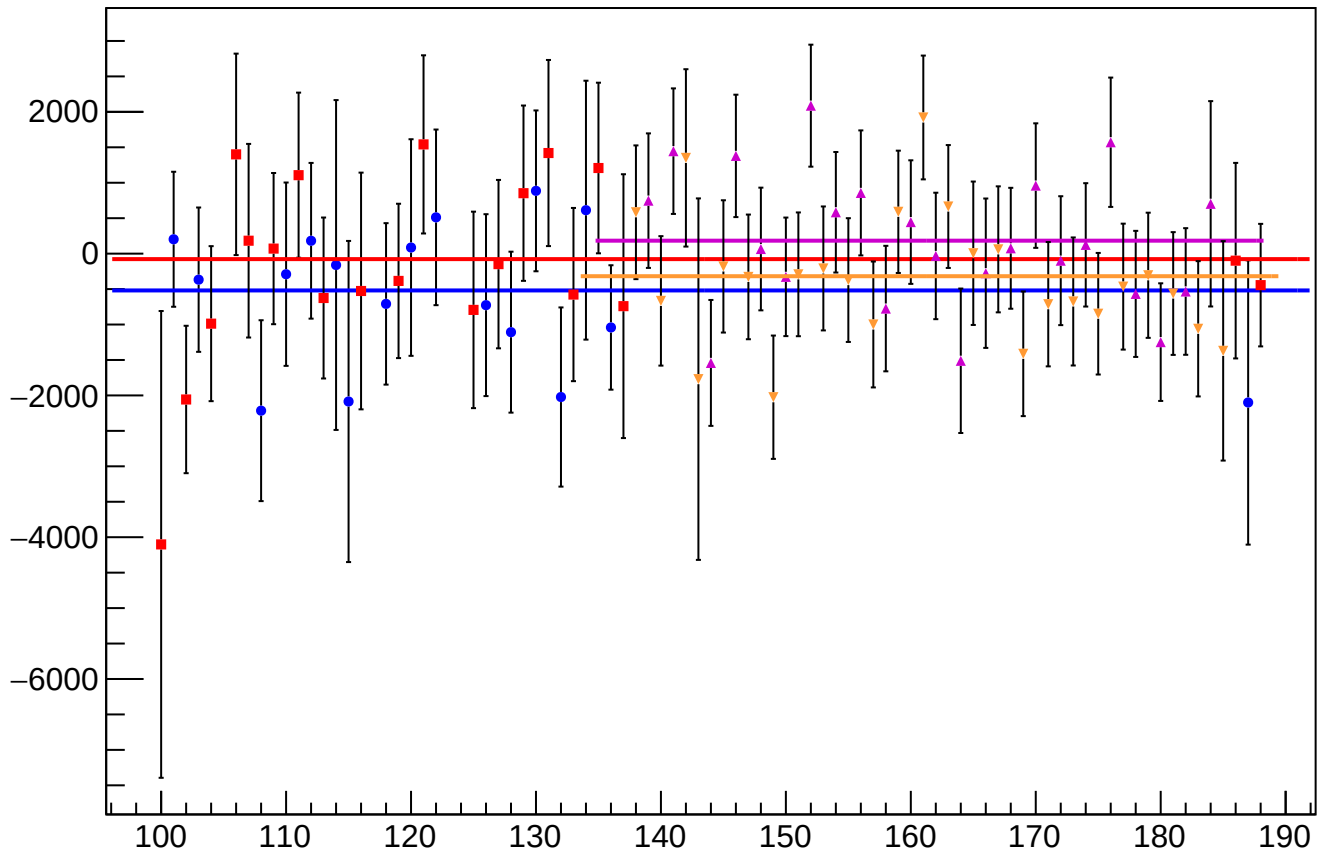
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1588.885+/-0.228 χ^2/NDF : 1388812.2/41

All: 1590.375+/-0.160 χ^2/NDF : 2612228.5/84

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

reg_asym_us_dd_mean vs Slug



Right In: -519.094 ± 301.860 χ^2/NDF : 8.8/16

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

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

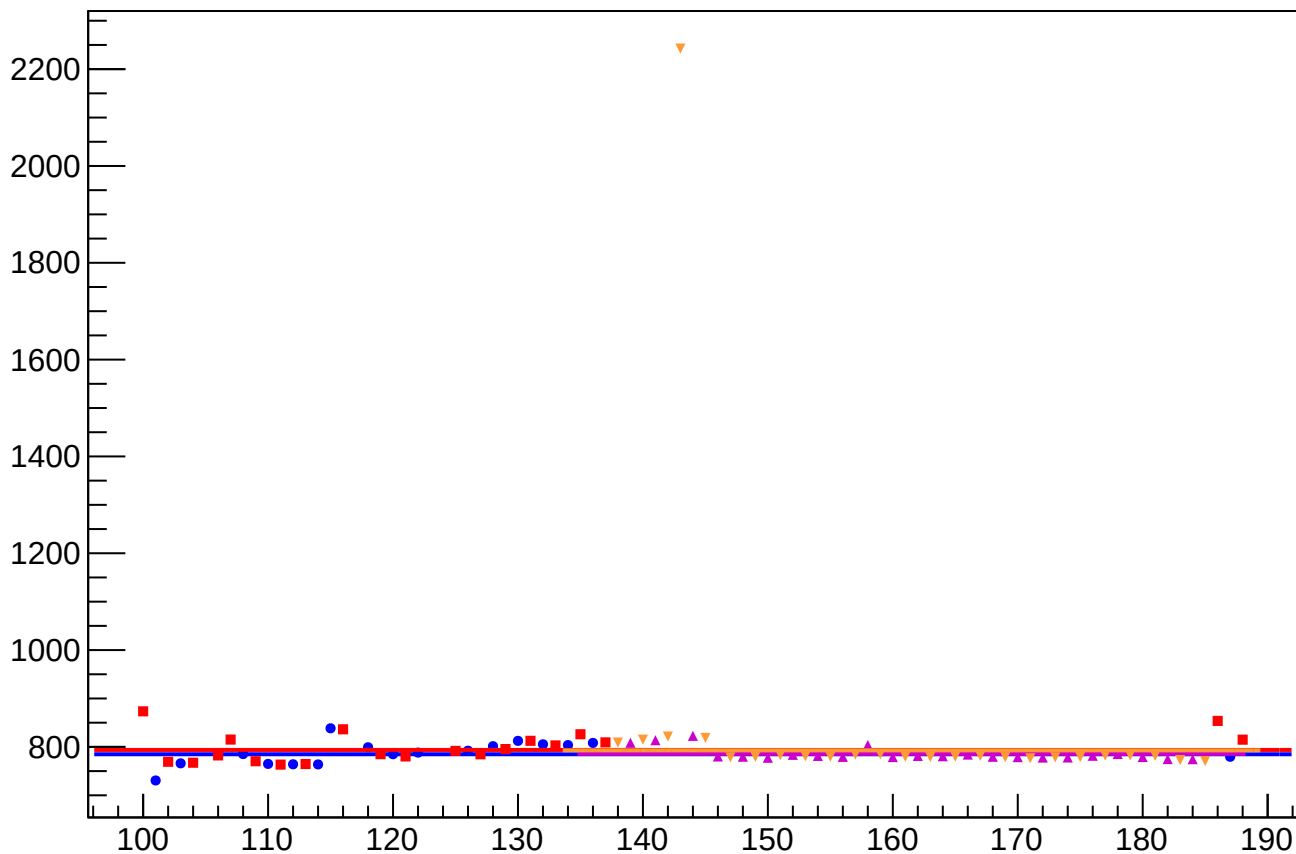
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -373.600 ± 158.377 χ^2/NDF : 29.5/41

All: -131.854 ± 110.901 χ^2/NDF : 74.6/84

- sign 100.717 ± 155.343 χ^2/NDF : 40.5/42

reg_asym_us_dd_rms vs Slug



Right In: 784.801 $\pm$ 0.213 χ^2 /NDF: 13828.2/16

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

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

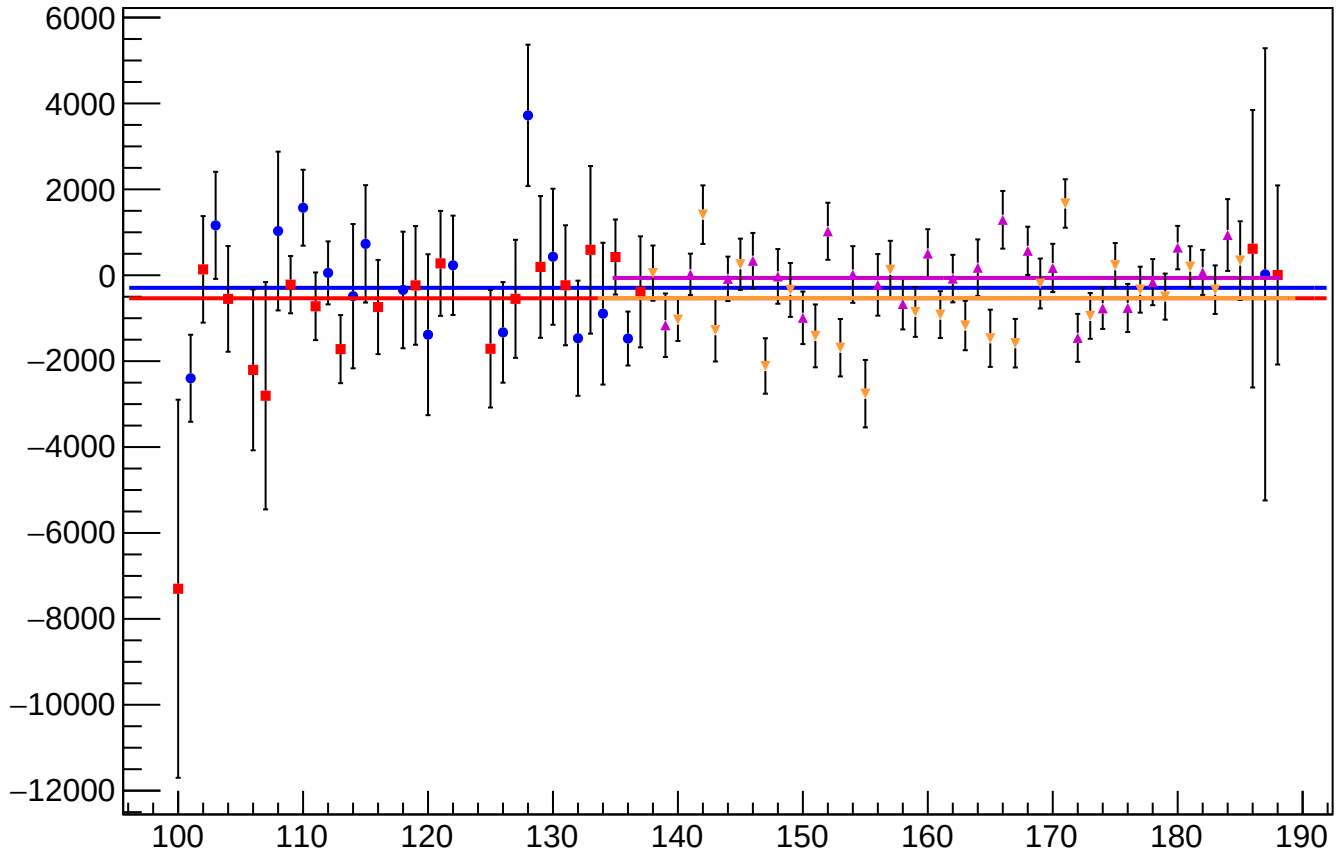
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 790.592 $\pm$ 0.112 χ^2 /NDF: 674354.5/41

All: 789.354 $\pm$ 0.078 χ^2 /NDF: 701742.2/84

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

asym_us_dd_correction_mean vs Slug



Right In: -292.861 ± 282.781 χ^2/NDF : 23.4/16

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

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

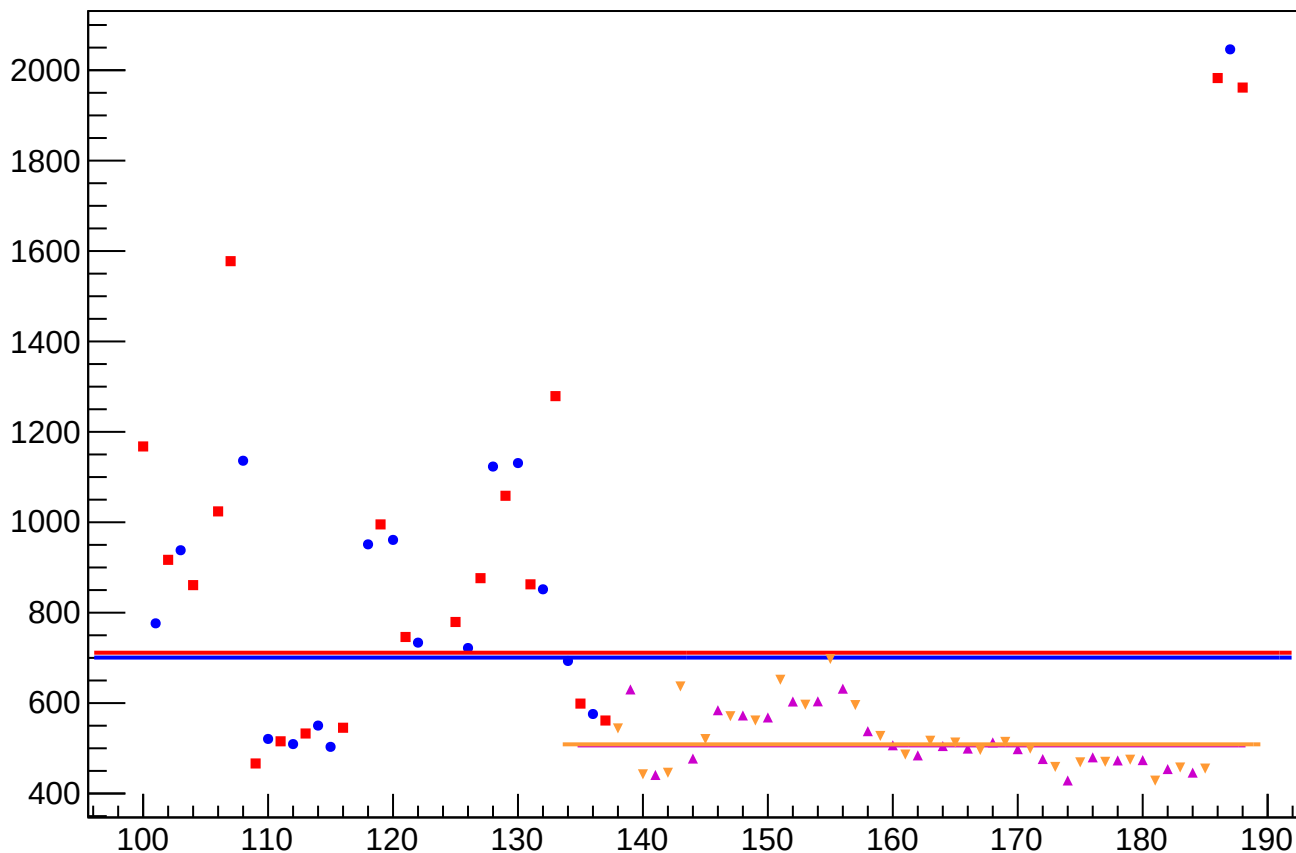
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -494.132 ± 110.108 χ^2/NDF : 85.6/41

All: -320.306 ± 78.247 χ^2/NDF : 131.9/84

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

asym_us_dd_correction_rms vs Slug



Right In: 700.697+/-0.200 χ^2/NDF : 1094999.2/16

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

+ sign 537.871+/-0.078 χ^2/NDF : 2425843.7/41

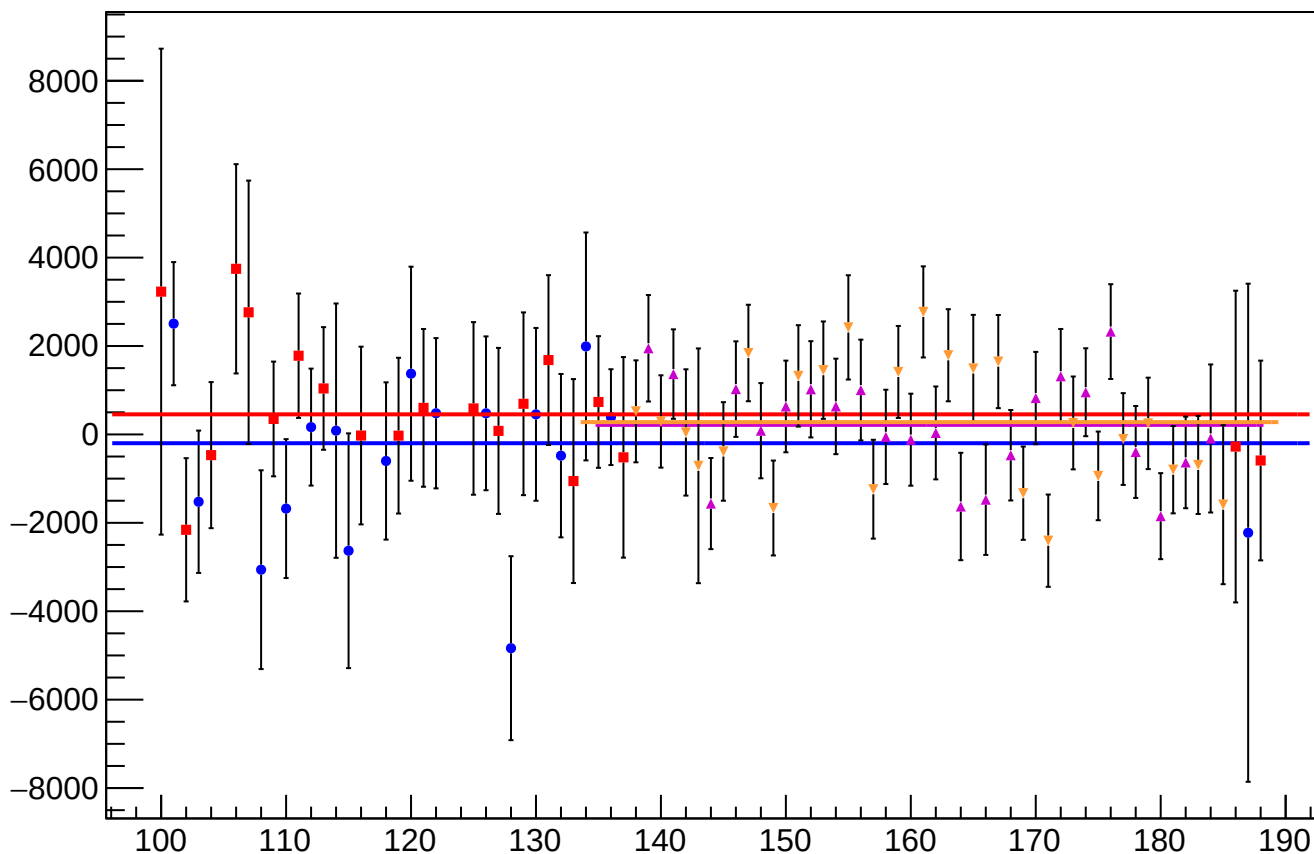
Right Out: 711.459+/-0.191 χ^2/NDF : 2407137.5/19

All: 539.500+/-0.055 χ^2/NDF : 6227914.6/84

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

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

asym_us_dd_mean vs Slug



Right In: -198.869 ± 433.566 χ^2/NDF : 14.9/16

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

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

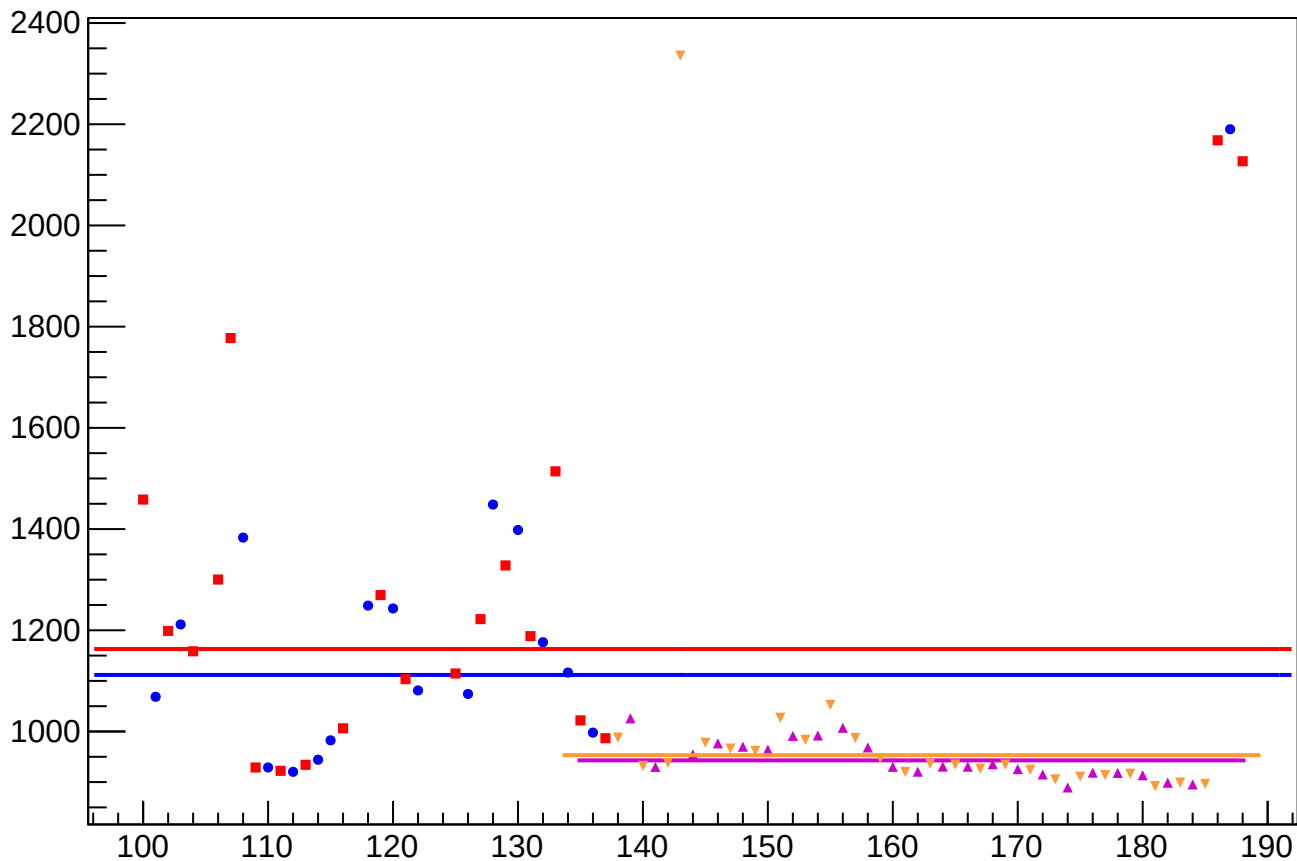
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 177.898 ± 198.715 χ^2/NDF : 54.3/41

All: 223.945 ± 140.432 χ^2/NDF : 87.3/84

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

asym_us_dd_rms vs Slug



Right In: 1111.737 $\pm$ 0.307 χ^2 /NDF: 331759.5/16

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

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

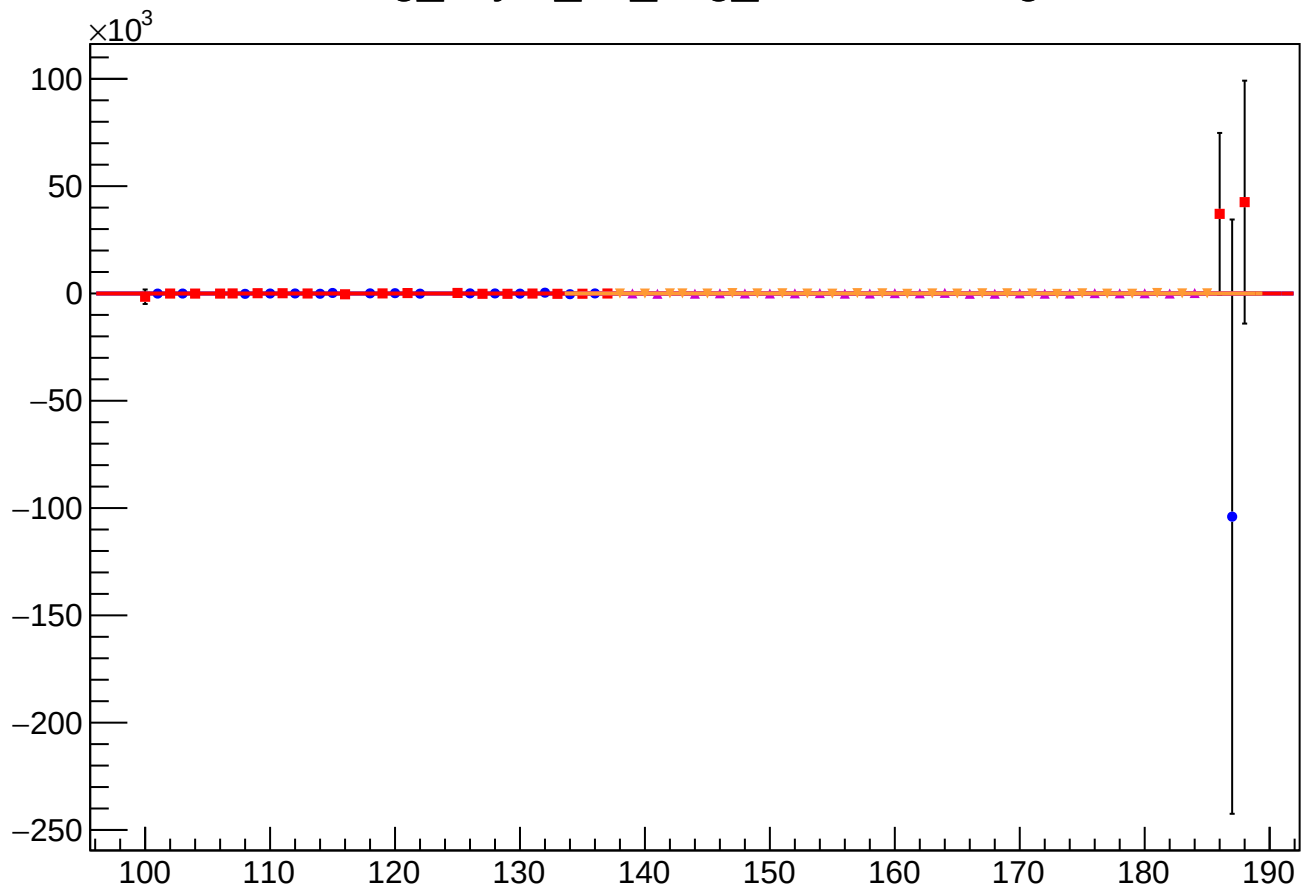
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 986.519 $\pm$ 0.141 χ^2 /NDF: 1149215.4/41

All: 989.583 $\pm$ 0.099 χ^2 /NDF: 2545866.0/84

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

reg_asym_ds_avg_mean vs Slug



Right In: -15.556 ± 30.032 χ^2/NDF : 16.5/16

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

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

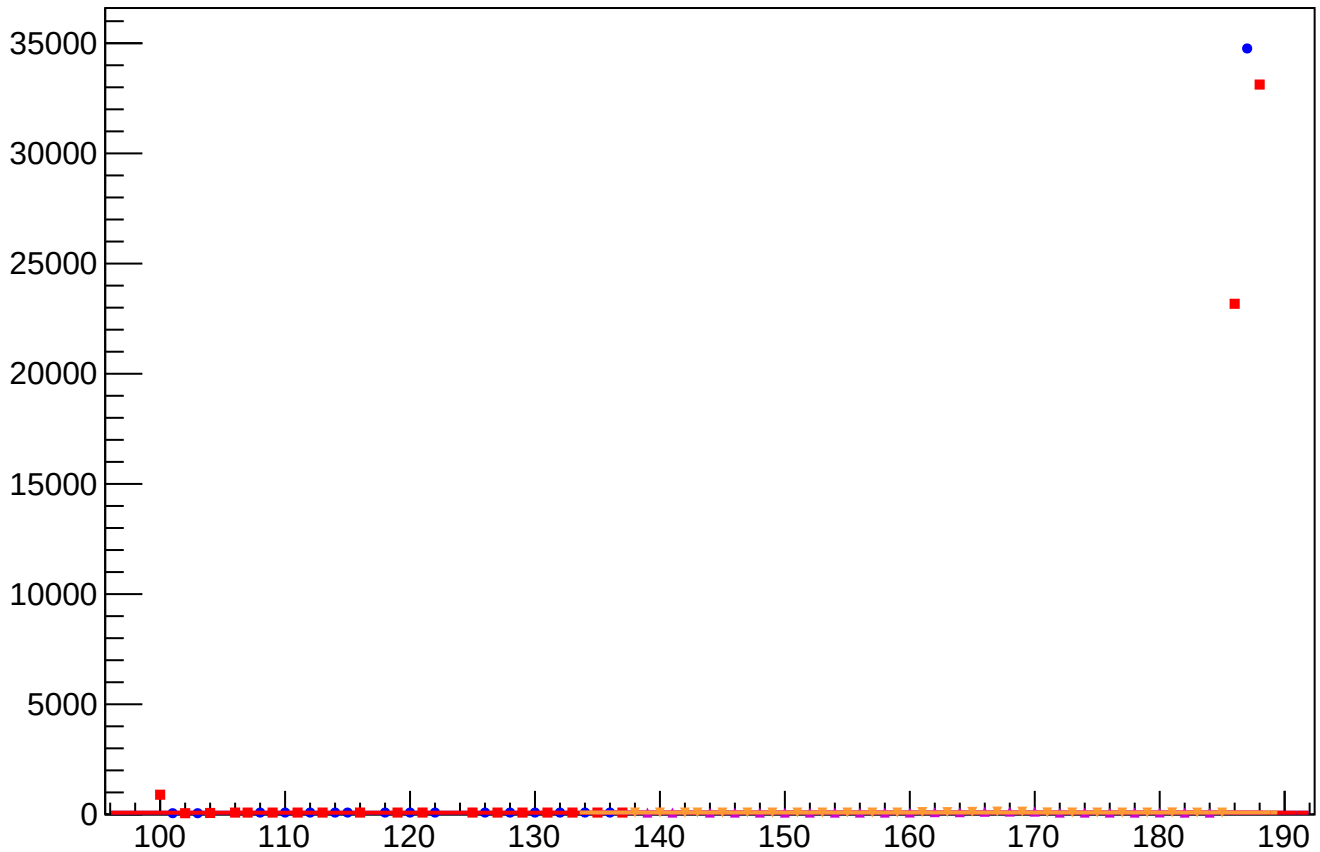
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.031 ± 17.187 χ^2/NDF : 39.3/41

All: 1.246 ± 12.302 χ^2/NDF : 82.3/84

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

reg_asym_ds_avg_rms vs Slug



Right In: 76.055+/-0.021 χ^2/NDF : 540635.7/16

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

Right Out: 79.396+/-0.022 χ^2/NDF : 1828858.9/19

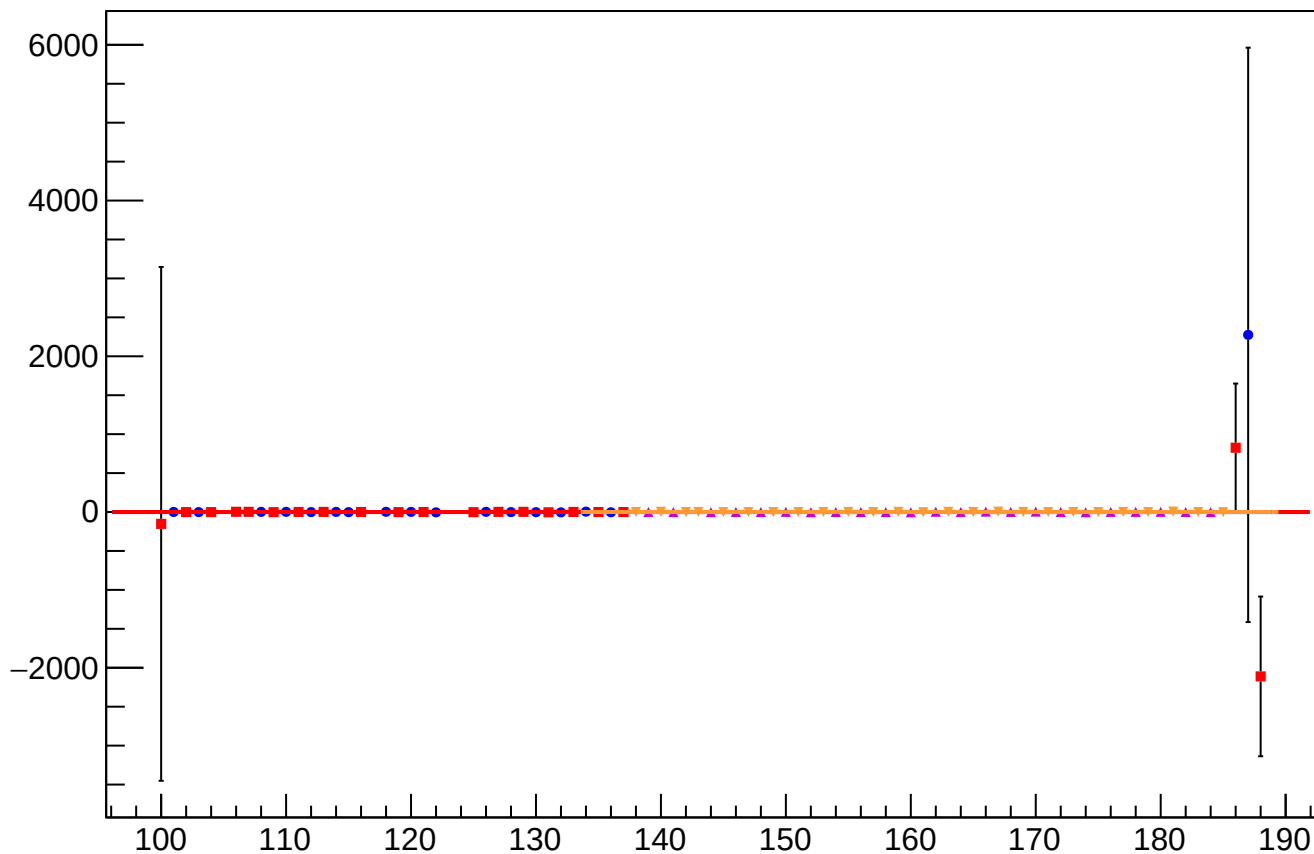
Left In: 89.596+/-0.015 χ^2/NDF : 508511.1/22

+ sign 85.085+/-0.012 χ^2/NDF : 1279849.9/41

All: 85.624+/-0.009 χ^2/NDF : 3770342.5/84

- sign 86.191+/-0.012 χ^2/NDF : 2486457.5/42

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 21.3/16

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

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

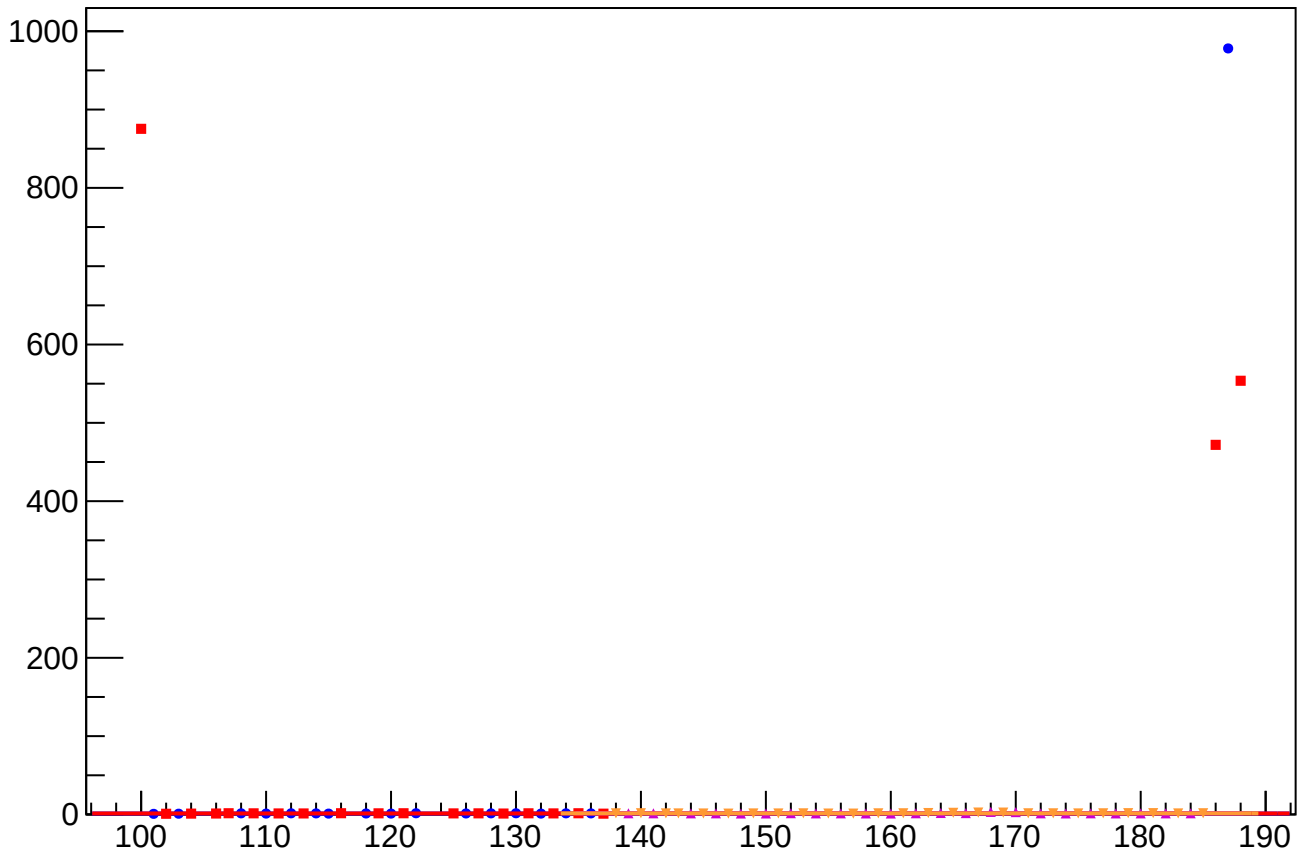
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.014 ± 0.296 χ^2/NDF : 43.1/41

All: 0.146 ± 0.215 χ^2/NDF : 86.0/84

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

asym_ds_avg_correction_rms vs Slug



Right In: 1.152+/-0.000 χ^2/NDF : 646539.6/16

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

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

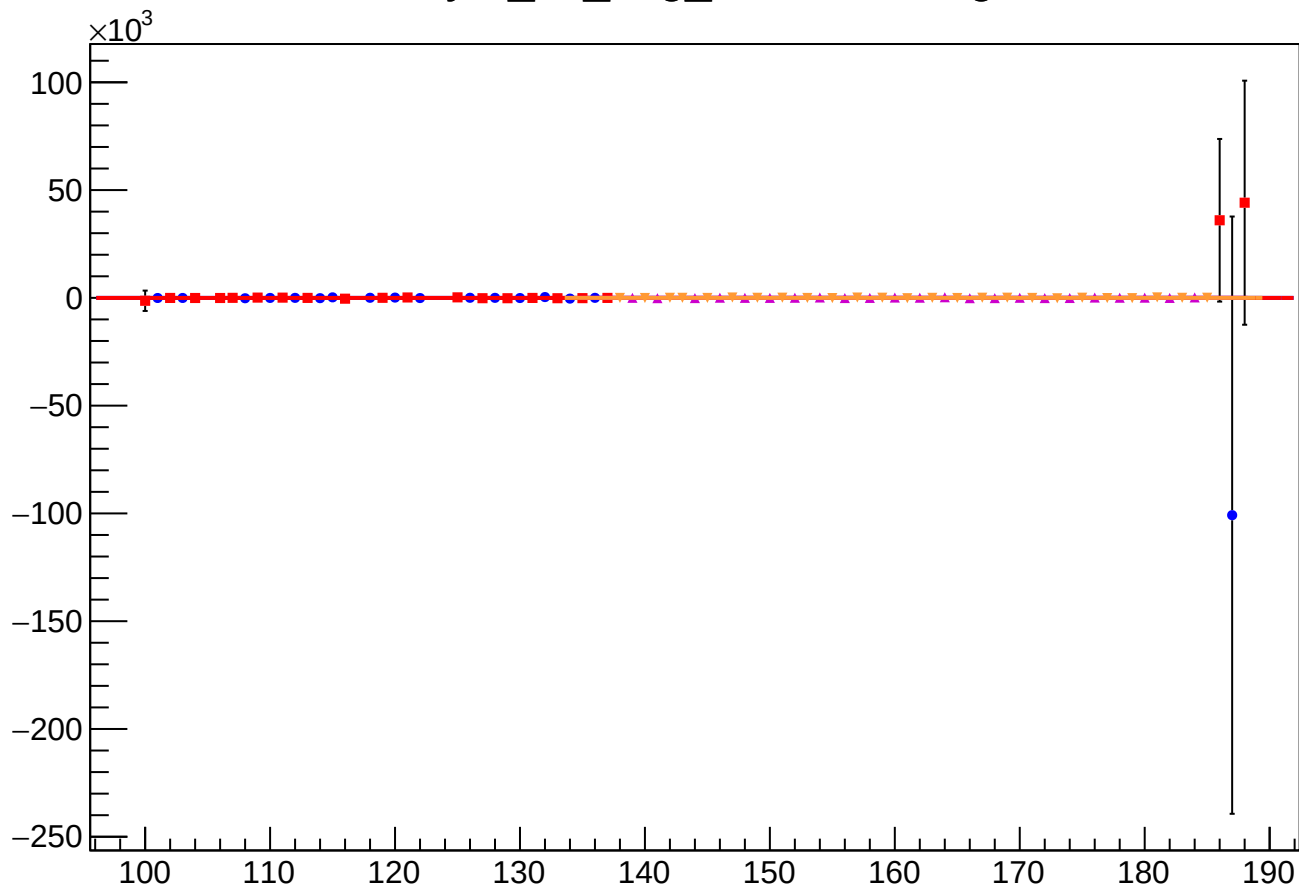
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 1967791.7/41

All: 1.349+/-0.000 χ^2/NDF : 4913766.0/84

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

asym_ds_avg_mean vs Slug



Right In: -14.492 $\pm$ 30.040 χ^2 /NDF: 16.8/16

Left Out: 4.417 $\pm$ 20.966 χ^2 /NDF: 22.1/24

Right Out: -31.997 $\pm$ 30.500 χ^2 /NDF: 18.3/19

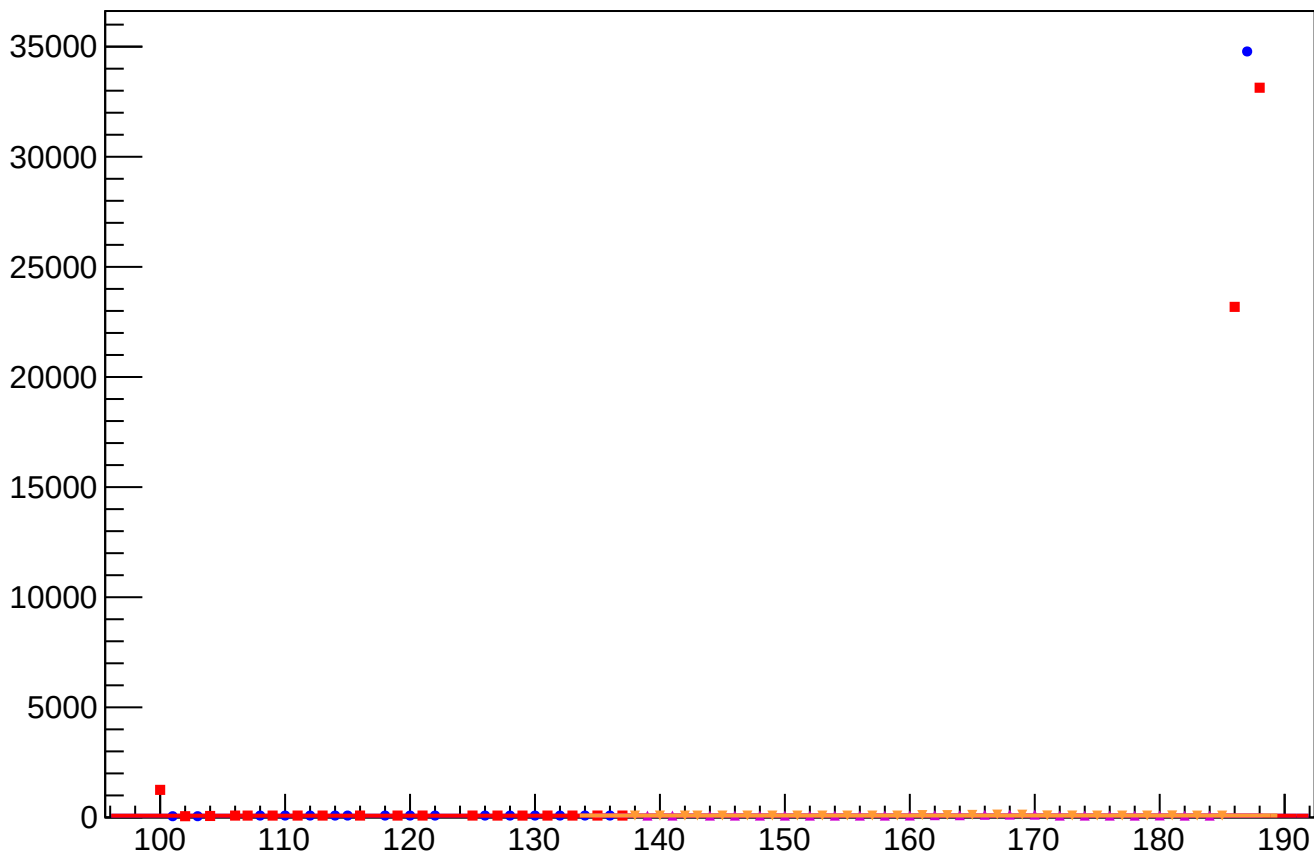
Left In: 22.446 $\pm$ 21.591 χ^2 /NDF: 22.3/22

+ sign -1.776 $\pm$ 17.192 χ^2 /NDF: 39.2/41

All: 1.173 $\pm$ 12.306 χ^2 /NDF: 82.0/84

- sign 4.271 $\pm$ 17.623 χ^2 /NDF: 42.8/42

asym_ds_avg_rms vs Slug



Right In: 76.075+/-0.021 χ^2/NDF : 540667.5/16

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

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

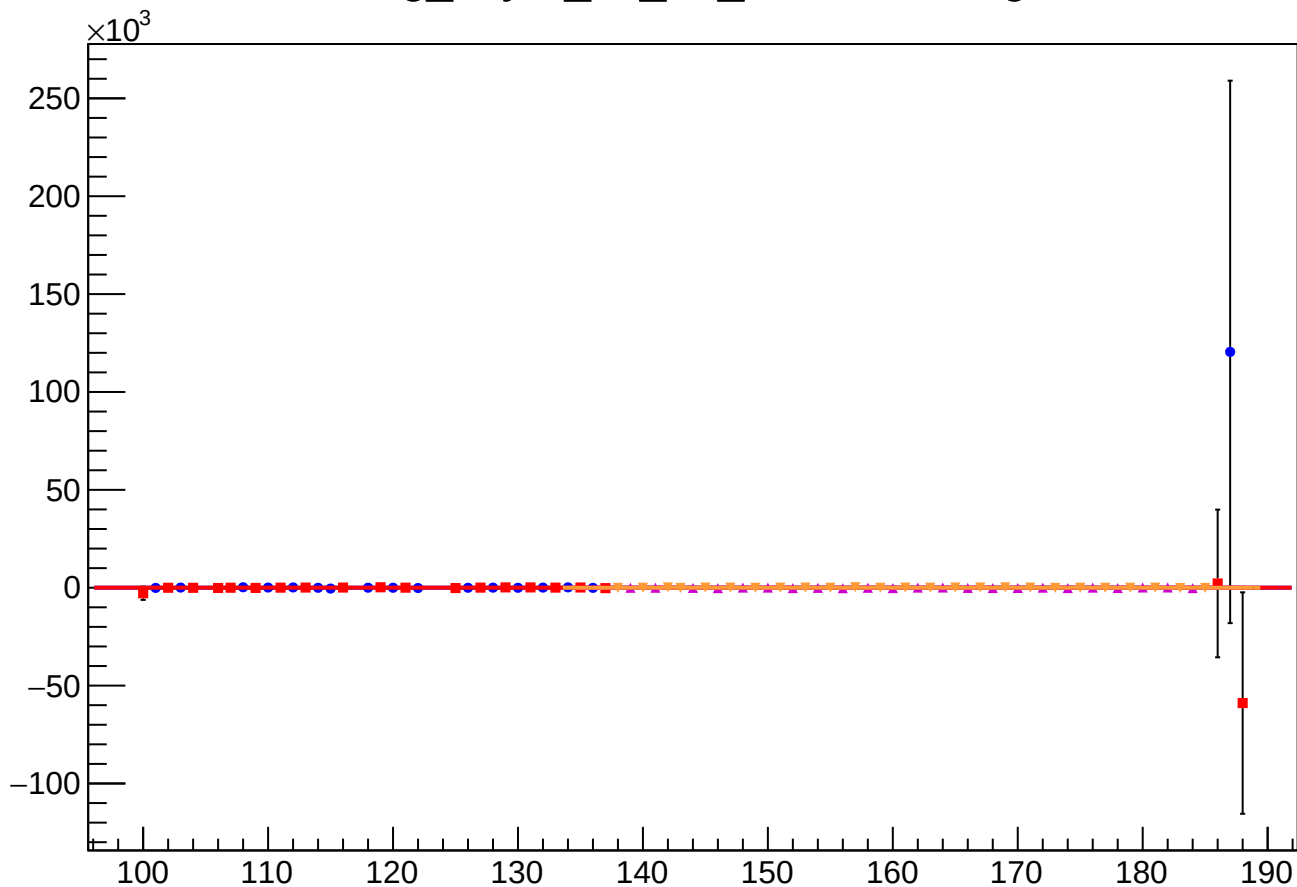
Left In: 89.622+/-0.015 χ^2/NDF : 509391.8/22

+ sign 85.109+/-0.012 χ^2/NDF : 1280751.6/41

All: 85.646+/-0.009 χ^2/NDF : 3779208.5/84

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

reg_asym_ds_dd_mean vs Slug



Right In: 8.119 ± 30.012 $\chi^2/\text{NDF}: 14.8/16$

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

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

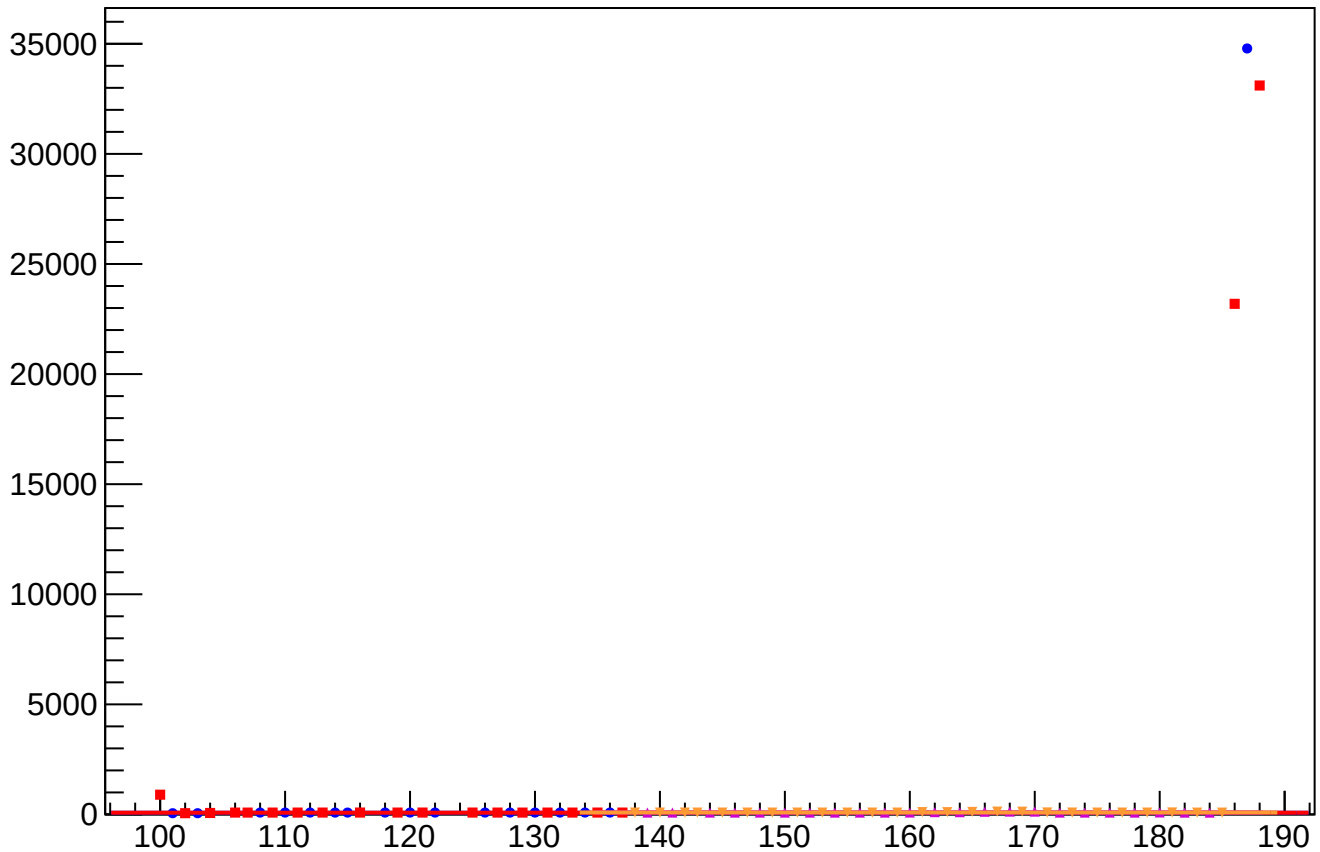
Left In: -43.424 ± 21.593 $\chi^2/\text{NDF}: 31.4/22$

+ sign 9.301 ± 17.187 $\chi^2/\text{NDF}: 33.3/41$

All: -5.132 ± 12.303 $\chi^2/\text{NDF}: 83.5/84$

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

reg_asym_ds_dd_rms vs Slug



Right In: 76.006 $\pm$ 0.021 χ^2 /NDF: 540318.9/16

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

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

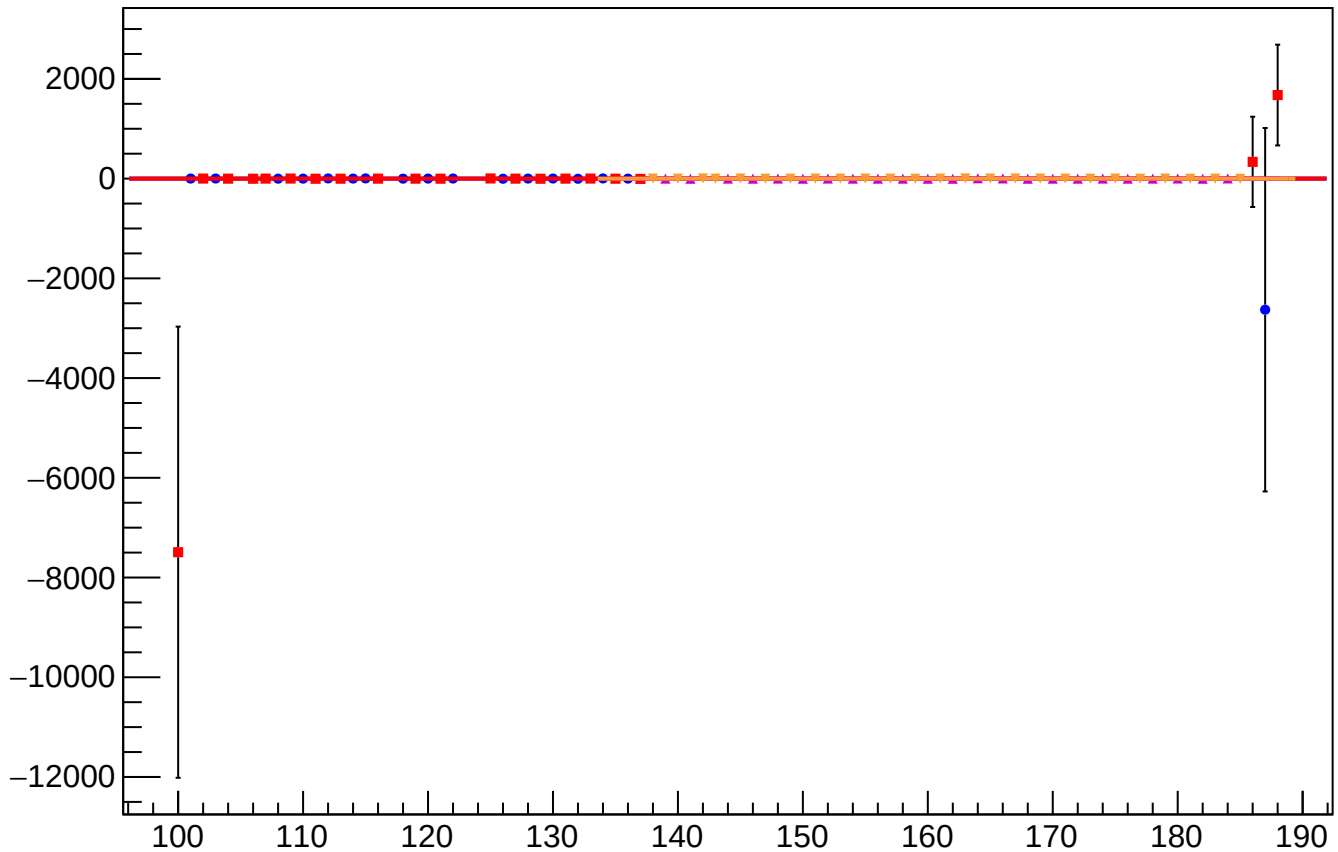
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.080 $\pm$ 0.012 χ^2 /NDF: 1281331.6/41

All: 85.622 $\pm$ 0.009 χ^2 /NDF: 3776883.2/84

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

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 $\pm$ 0.531 χ^2/NDF : 12.4/16

Left Out: -0.517 $\pm$ 0.382 χ^2/NDF : 20.7/24

Right Out: -0.347 $\pm$ 0.549 χ^2/NDF : 16.3/19

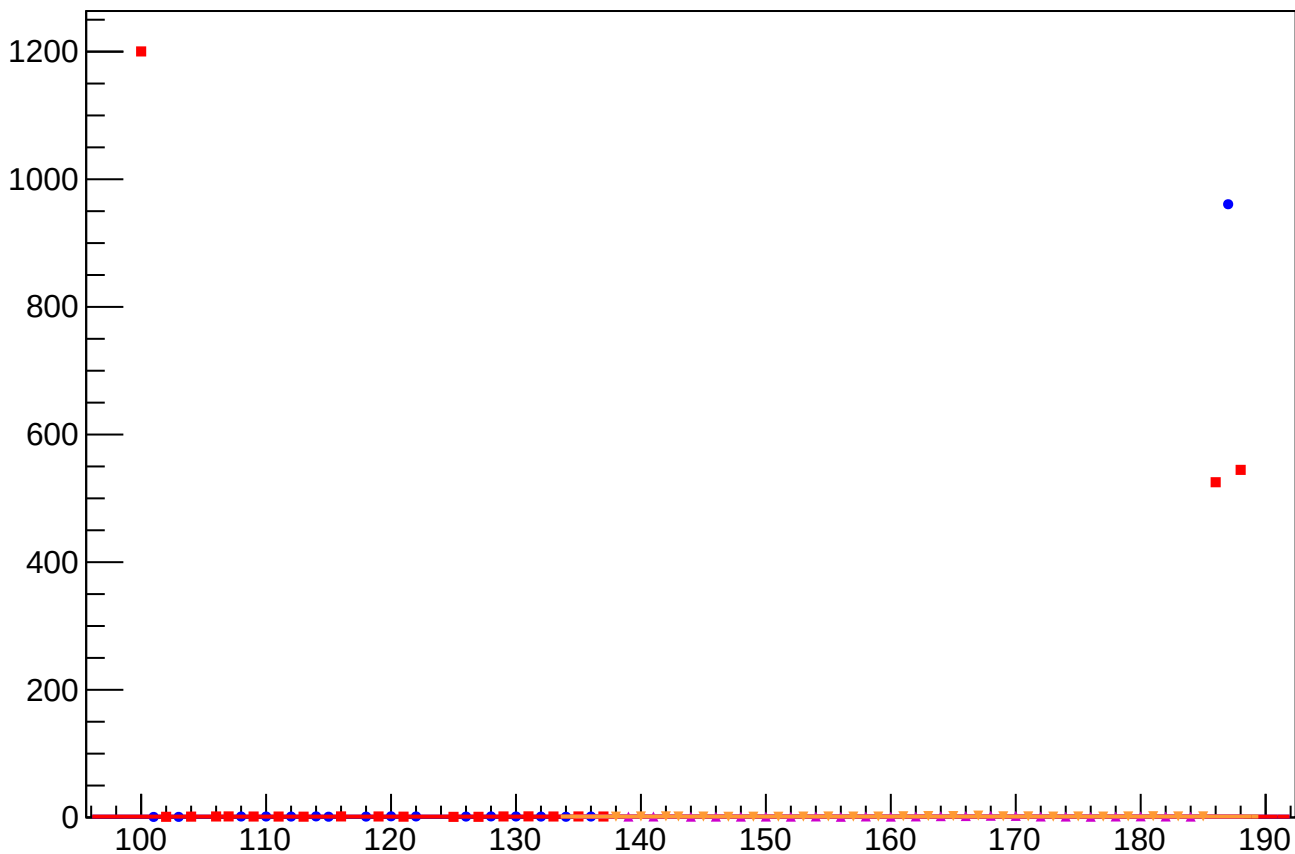
Left In: 0.072 $\pm$ 0.390 χ^2/NDF : 20.4/22

+ sign -0.037 $\pm$ 0.310 χ^2/NDF : 37.8/41

All: -0.052 $\pm$ 0.222 χ^2/NDF : 74.9/84

- sign -0.069 $\pm$ 0.318 χ^2/NDF : 37.1/42

asym_ds_dd_correction_rms vs Slug



Right In: 1.233+/-0.000 χ^2/NDF : 764395.1/16

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

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

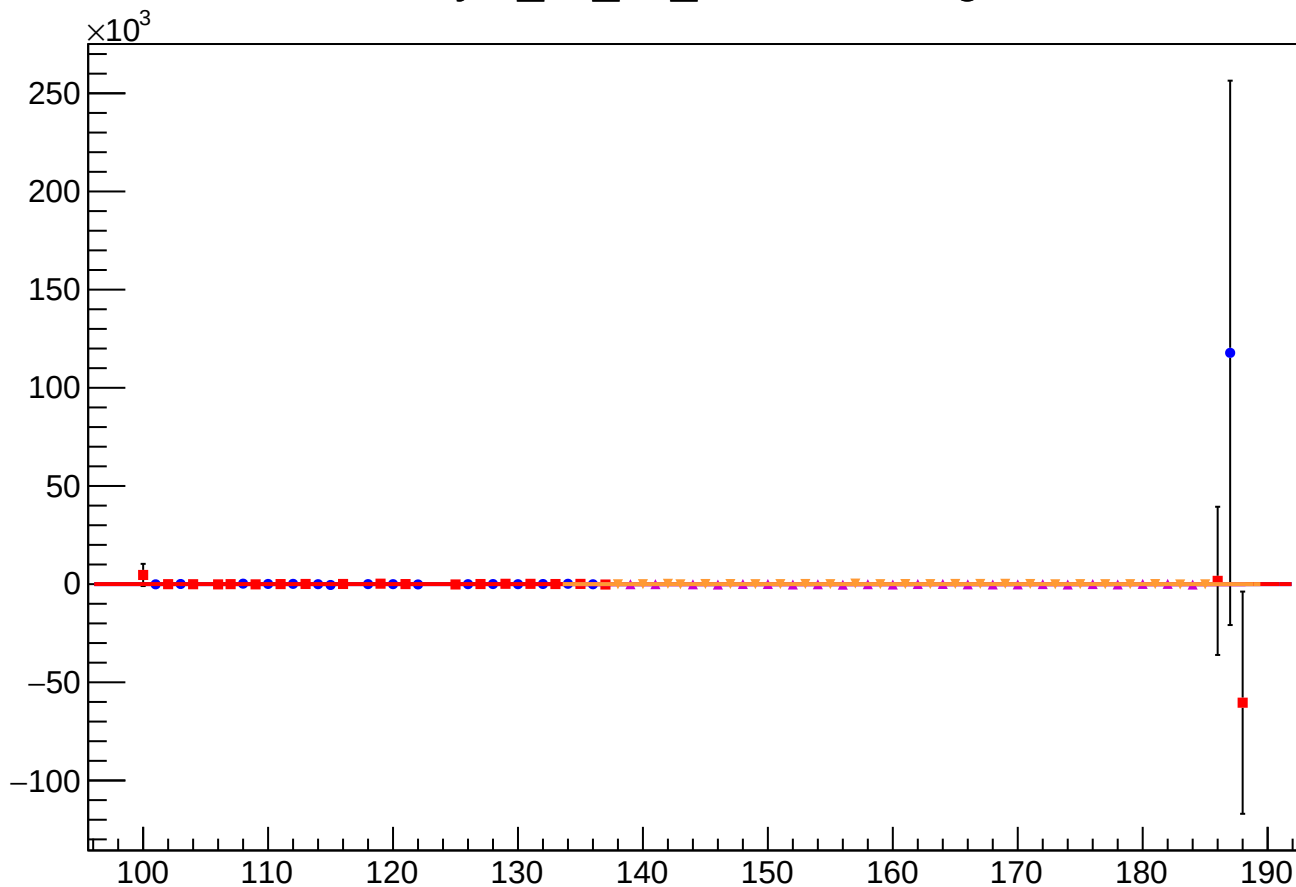
Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

+ sign 1.391+/-0.000 χ^2/NDF : 2187628.3/41

All: 1.401+/-0.000 χ^2/NDF : 5099599.2/84

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

asym_ds_dd_mean vs Slug



Right In: 7.412 ± 30.020 χ^2/NDF : 14.6/16

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

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

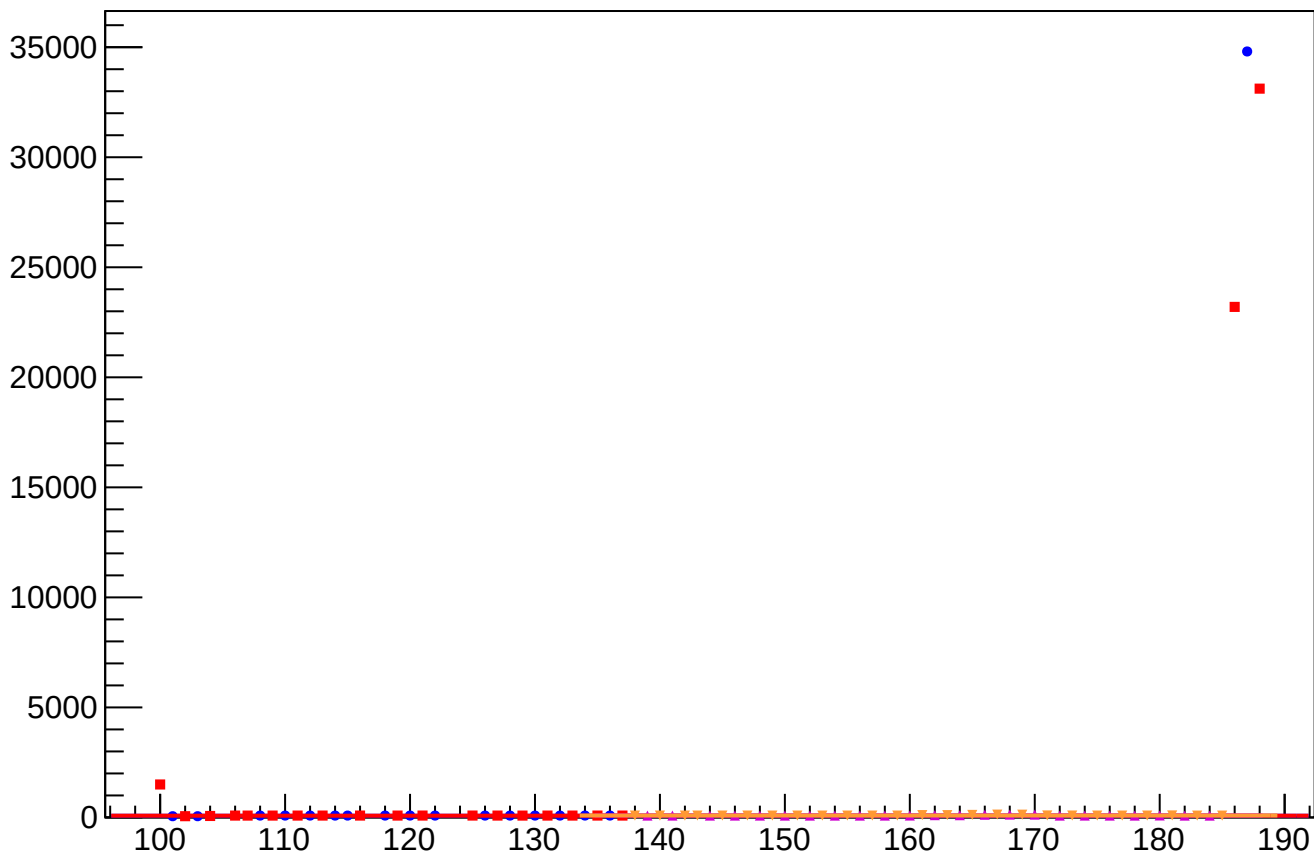
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 9.435 ± 17.192 χ^2/NDF : 33.0/41

All: -5.119 ± 12.306 χ^2/NDF : 83.3/84

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

asym_ds_dd_rms vs Slug



Right In: 76.026 $\pm$ 0.021 χ^2 /NDF: 540362.4/16

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

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

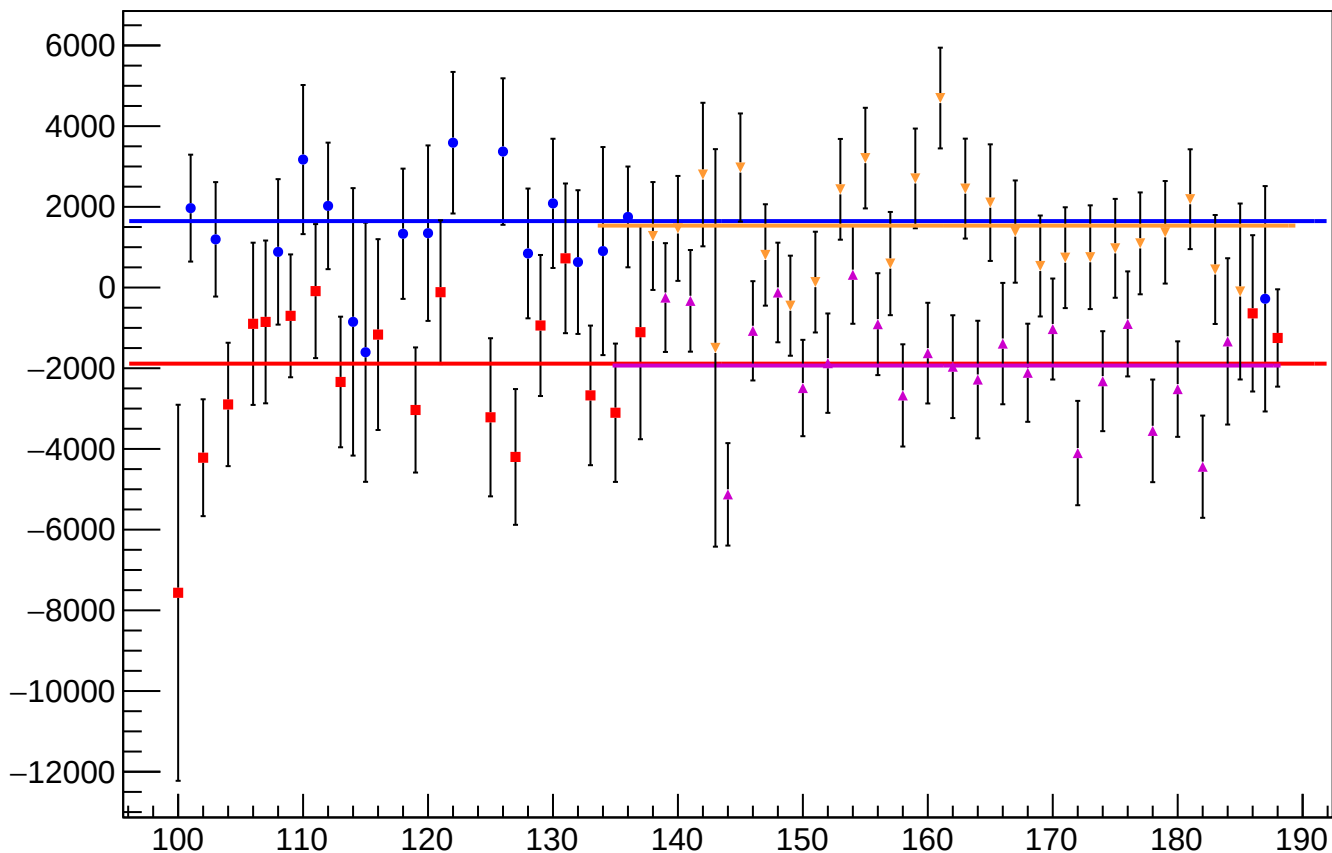
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.104 $\pm$ 0.012 χ^2 /NDF: 1282247.8/41

All: 85.642 $\pm$ 0.009 χ^2 /NDF: 3788599.1/84

- sign 86.208 $\pm$ 0.012 χ^2 /NDF: 2502334.5/42

reg_asym_usl_mean vs Slug



Right In: 1646.836 $\pm$ 426.502 χ^2 /NDF: 6.1/16

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

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

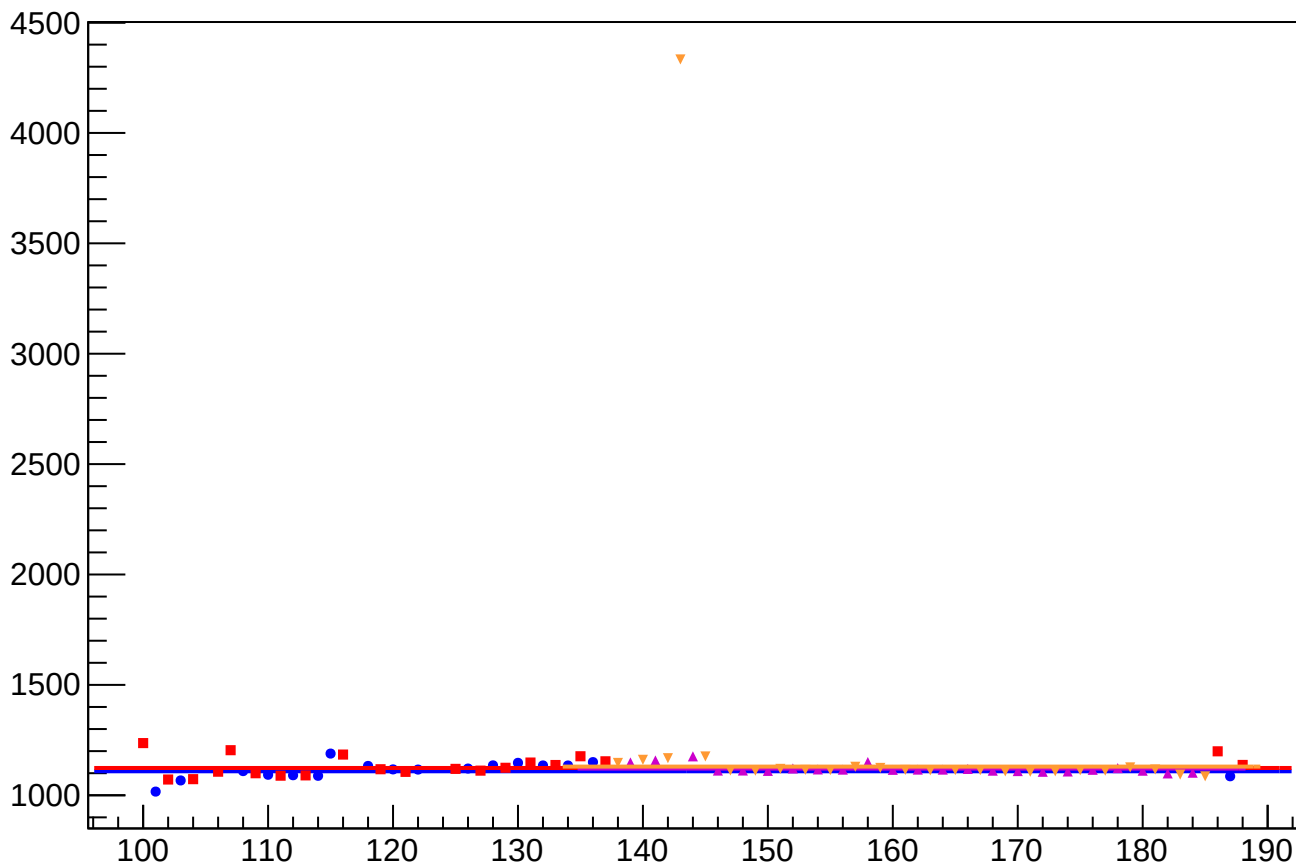
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF:27.0/22

+ sign 1566.476 $\pm$ 225.629 χ^2 /NDF: 26.5/41

All: -211.008 $\pm$ 157.923 χ^2 /NDF: 189.8/84

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

reg_asym_usl_rms vs Slug



Right In: 1108.664 $\pm$ 0.302 χ^2 /NDF: 18375.5/16

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

Right Out: 1123.652 $\pm$ 0.277 χ^2 /NDF: 19128.7/19

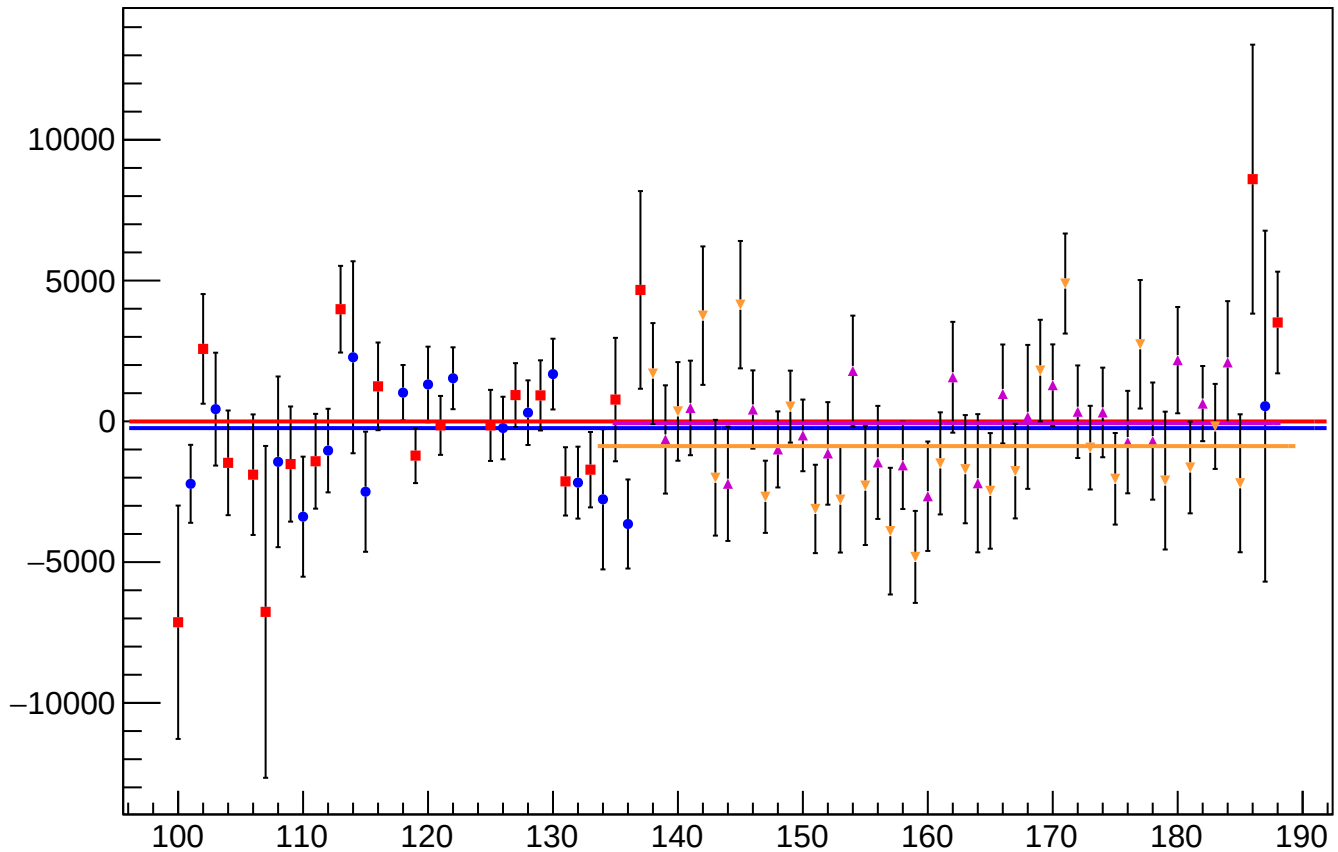
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1123.958 $\pm$ 0.160 χ^2 /NDF: 880206.5/41

All: 1122.878 $\pm$ 0.112 χ^2 /NDF: 909129.7/84

- sign 1121.841 $\pm$ 0.156 χ^2 /NDF: 28833.4/42

asym_usl_correction_mean vs Slug



Right In: -240.362 ± 360.880 χ^2/NDF : 22.6/16

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

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

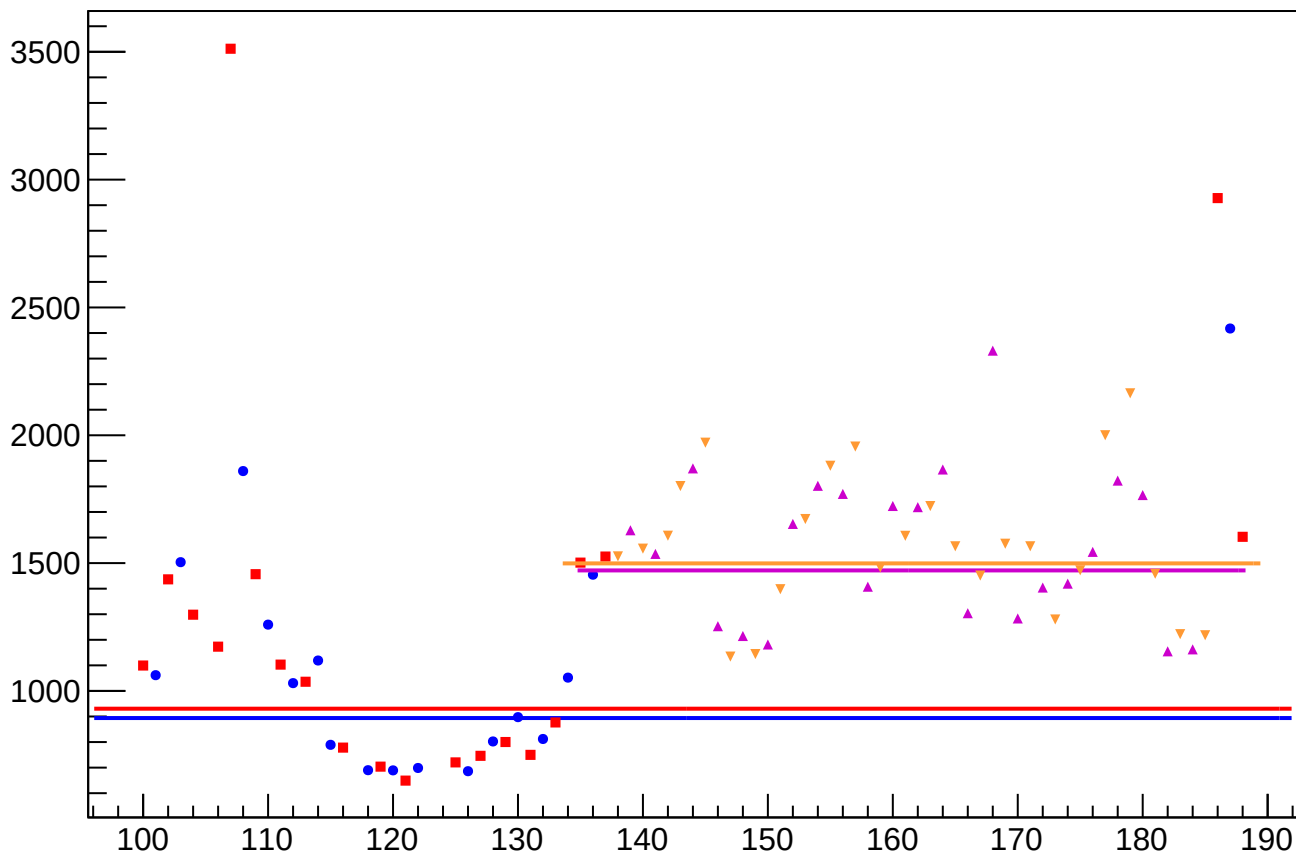
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -564.652 ± 253.327 χ^2/NDF : 67.7/41

All: -296.288 ± 178.108 χ^2/NDF : 114.6/84

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

asym_usl_correction_rms vs Slug



Right In: 893.934+/-0.255 χ^2 /NDF: 1172573.3/16

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

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

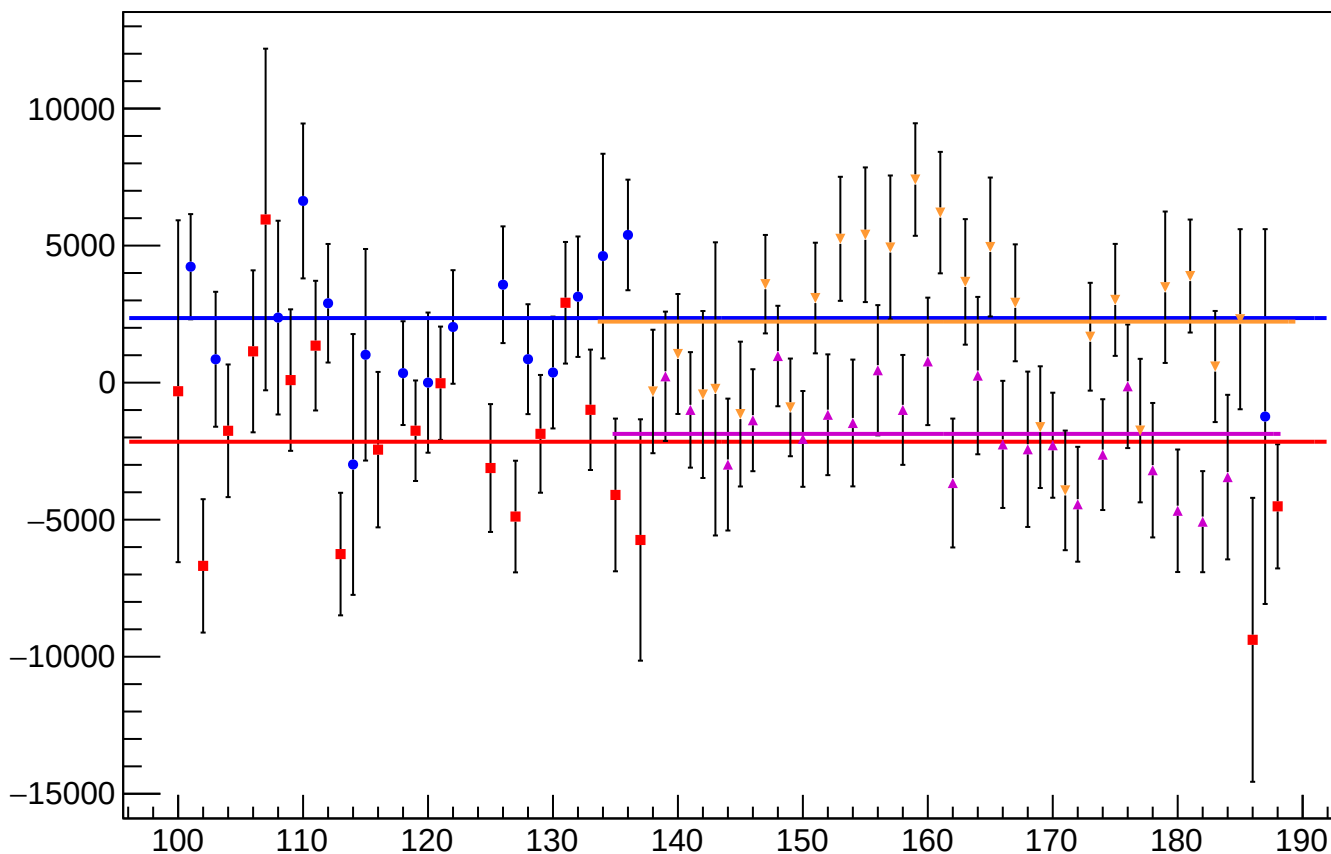
Left In: 1471.394+/-0.254 χ^2 /NDF:1105310.5/22

+ sign 1200.771+/-0.179 χ^2 /NDF: 5076881.3/41

All: 1197.402+/-0.126 χ^2 /NDF: 10571251.4/8

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

asym_usl_mean vs Slug



Right In: 2355.921 $\pm$ 588.506 χ^2 /NDF: 11.9/16

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

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

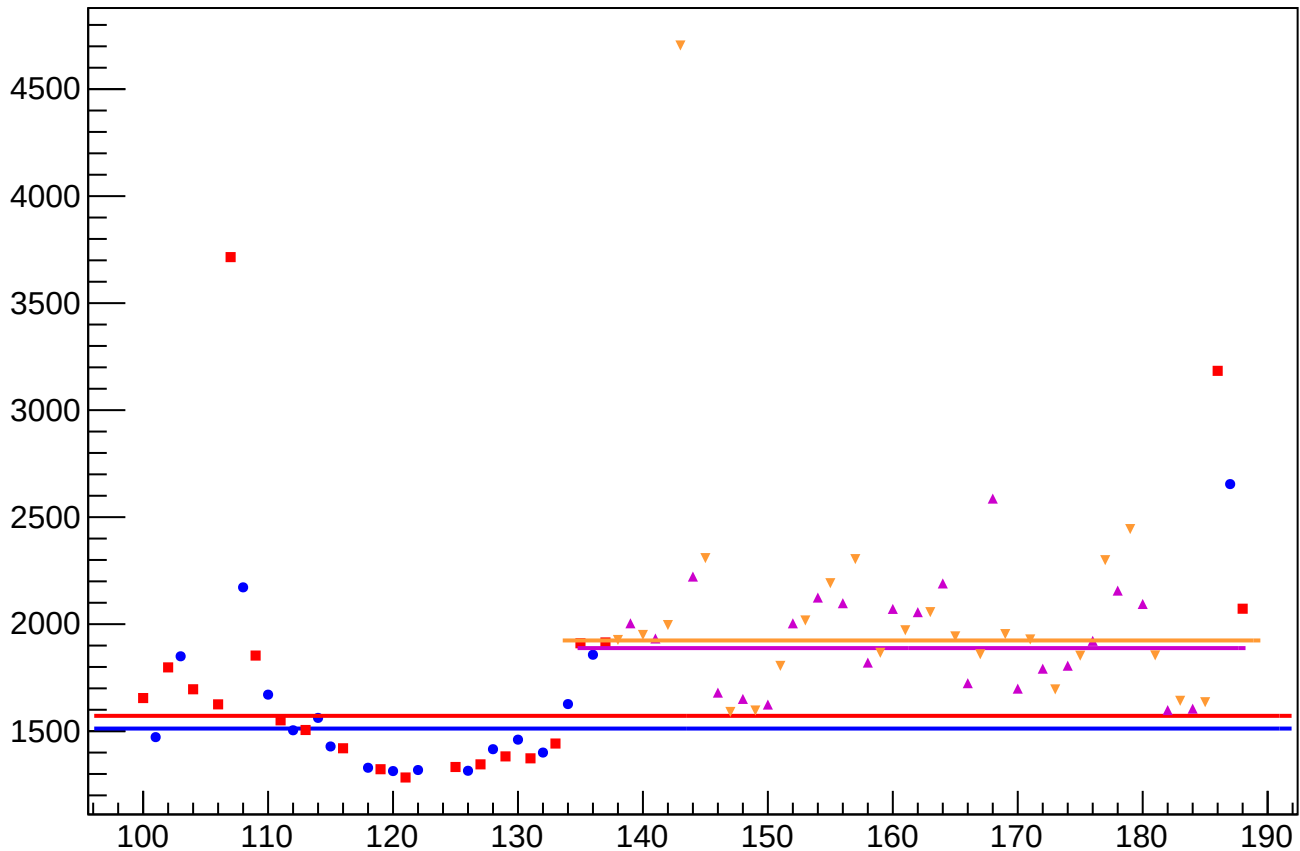
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2274.916 $\pm$ 359.873 χ^2 /NDF: 50.7/41

All: 111.523 $\pm$ 252.405 χ^2 /NDF: 162.5/84

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

asym_usl_rms vs Slug



Right In: 1512.200+/-0.416 χ^2/NDF : 308365.8/16

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

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

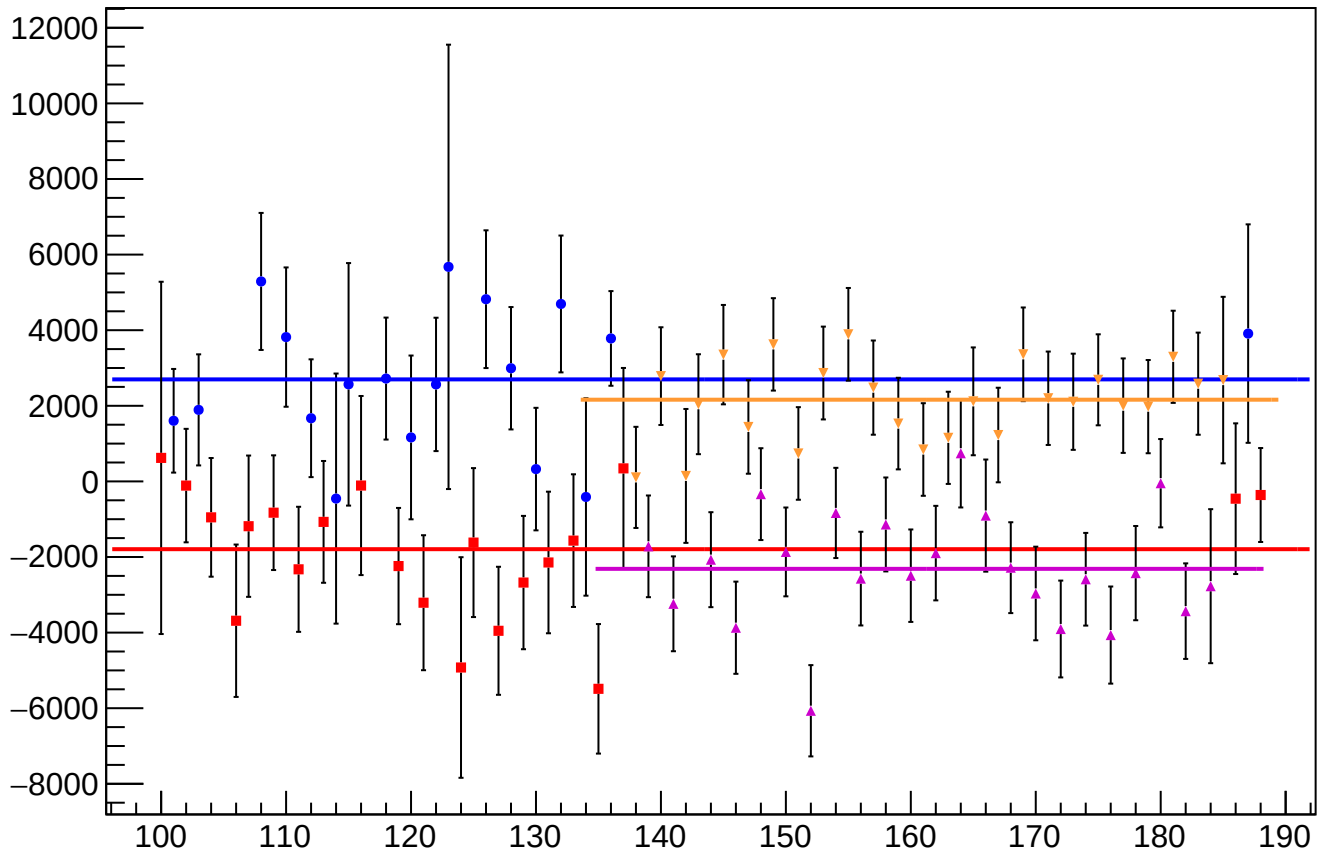
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1769.909+/-0.254 χ^2/NDF : 1927103.3/41

All: 1766.362+/-0.178 χ^2/NDF : 3598872.6/84

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

reg_asym_usr_mean vs Slug



Right In: 2698.693 $\pm$ 429.735 χ^2 /NDF: 12.6/17

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

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

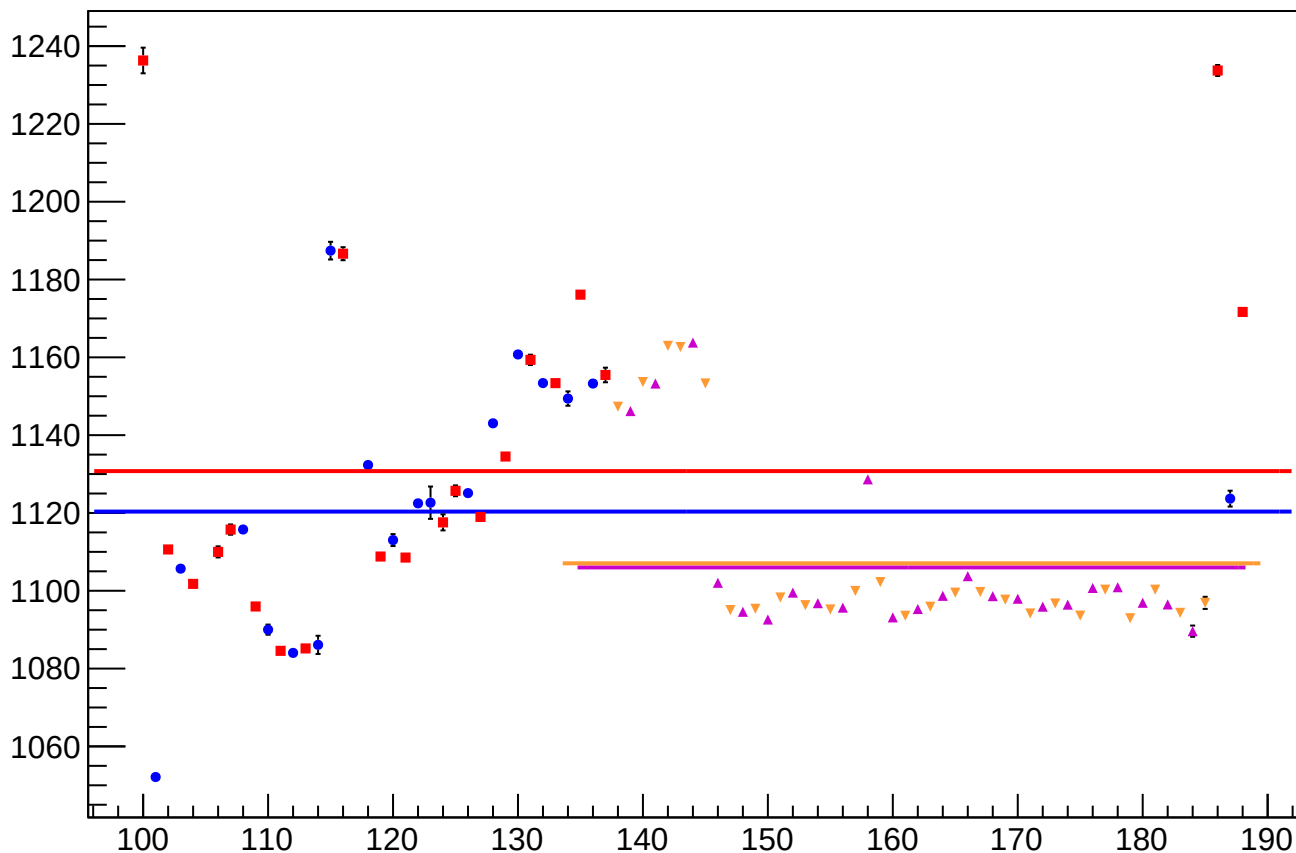
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF: 31.3/22

+ sign 2303.382 $\pm$ 220.893 χ^2 /NDF: 28.8/42

All: 56.816 $\pm$ 155.493 χ^2 /NDF: 281.2/86

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

reg_asym_usr_rms vs Slug



Right In: 1120.353 $\pm$ 0.304 χ^2 /NDF: 11965.5/17

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

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

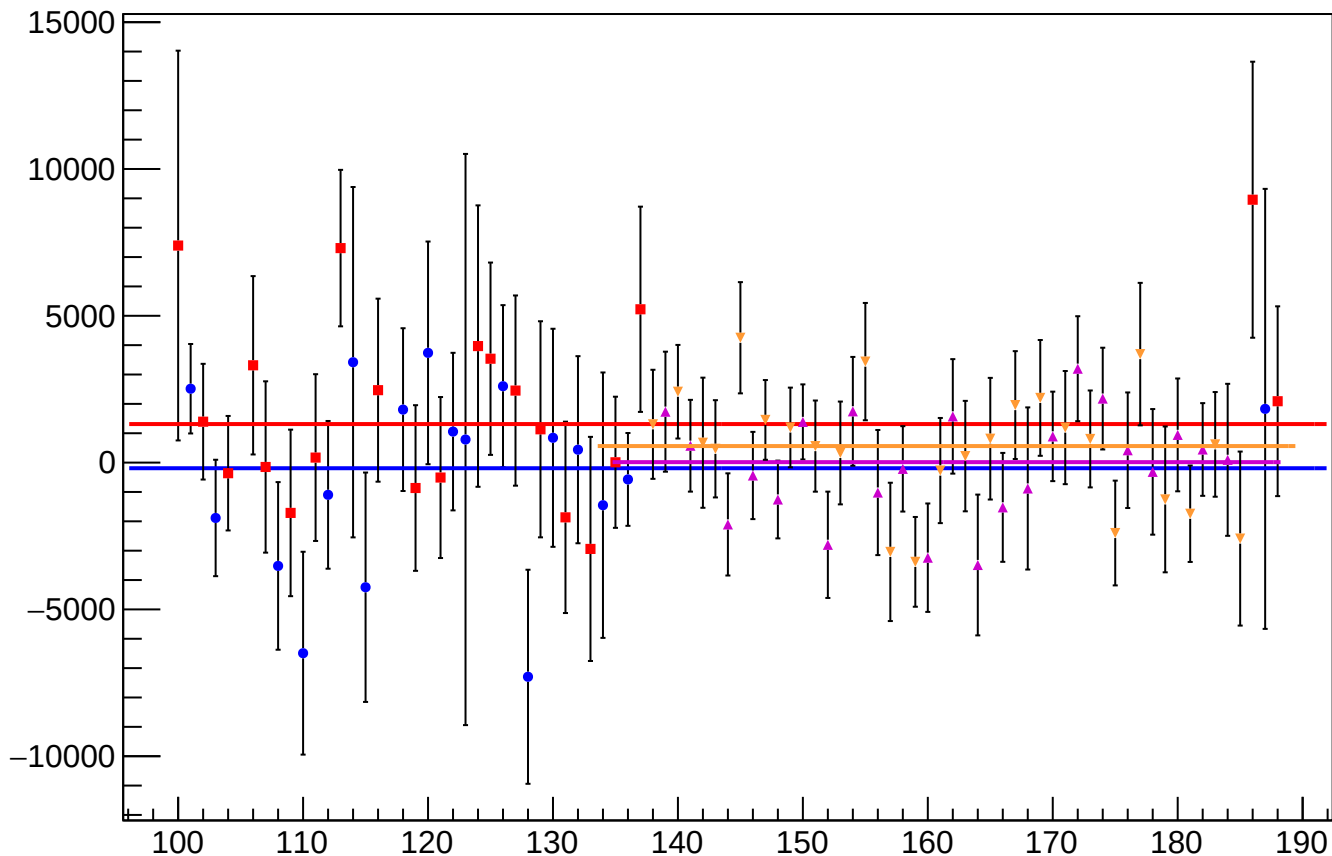
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

+ sign 1110.570 $\pm$ 0.156 χ^2 /NDF: 28549.7/42

All: 1112.193 $\pm$ 0.110 χ^2 /NDF: 64322.7/86

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

asym_usr_correction_mean vs Slug



Right In: -191.828 ± 654.125 $\chi^2/\text{NDF}: 17.1/17$

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

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

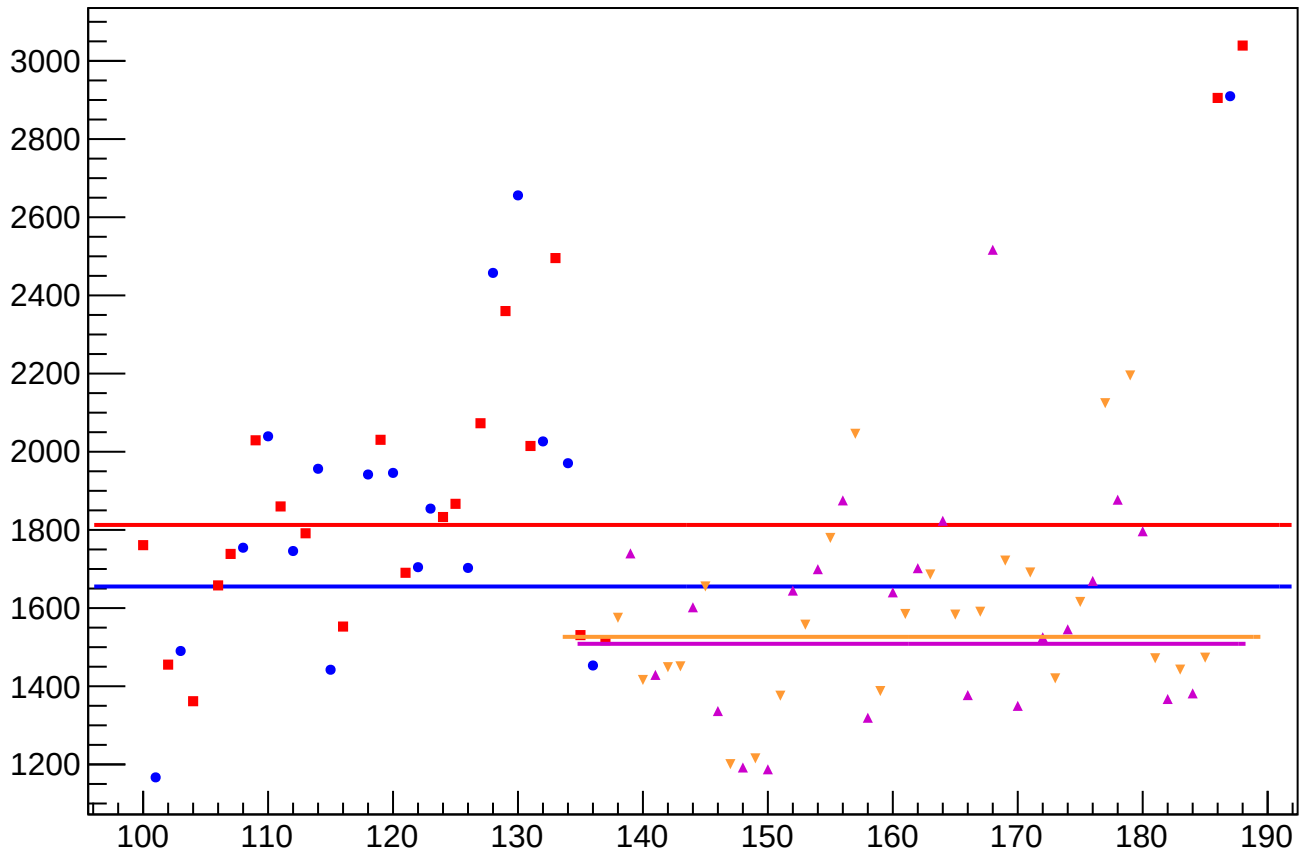
Left In: 15.520 ± 366.854 $\chi^2/\text{NDF}: 20.1/22$

+ sign 387.063 ± 315.996 $\chi^2/\text{NDF}: 44.9/42$

All: 360.444 ± 224.410 $\chi^2/\text{NDF}: 85.3/86$

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

asym_usr_correction_rms vs Slug



Right In: 1655.212 $\pm$ 0.463 χ^2 /NDF: 663184.9/17

Left Out: 1526.391 $\pm$ 0.255 χ^2 /NDF: 753714.4/24

Right Out: 1812.721 $\pm$ 0.455 χ^2 /NDF: 793124.6/20

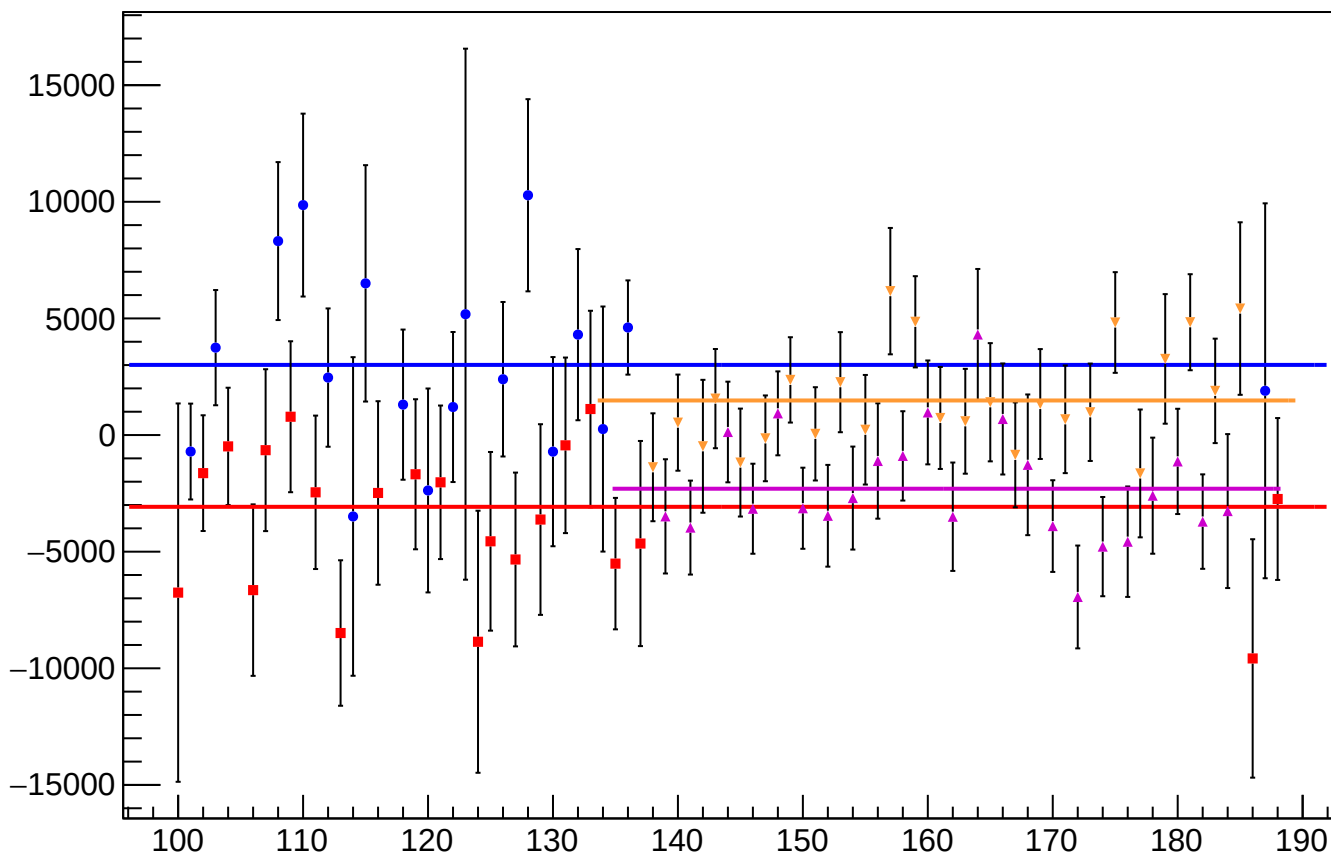
Left In: 1508.581 $\pm$ 0.259 χ^2 /NDF: 931684.8/22

+ sign 1556.454 $\pm$ 0.223 χ^2 /NDF: 1476365.3/42

All: 1569.669 $\pm$ 0.159 χ^2 /NDF: 3545106.0/86

- sign 1583.115 $\pm$ 0.225 χ^2 /NDF: 2061684.0/43

asym_usr_mean vs Slug



Right In: 3007.383 $\pm$ 800.020 χ^2 /NDF: 17.5/17

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

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

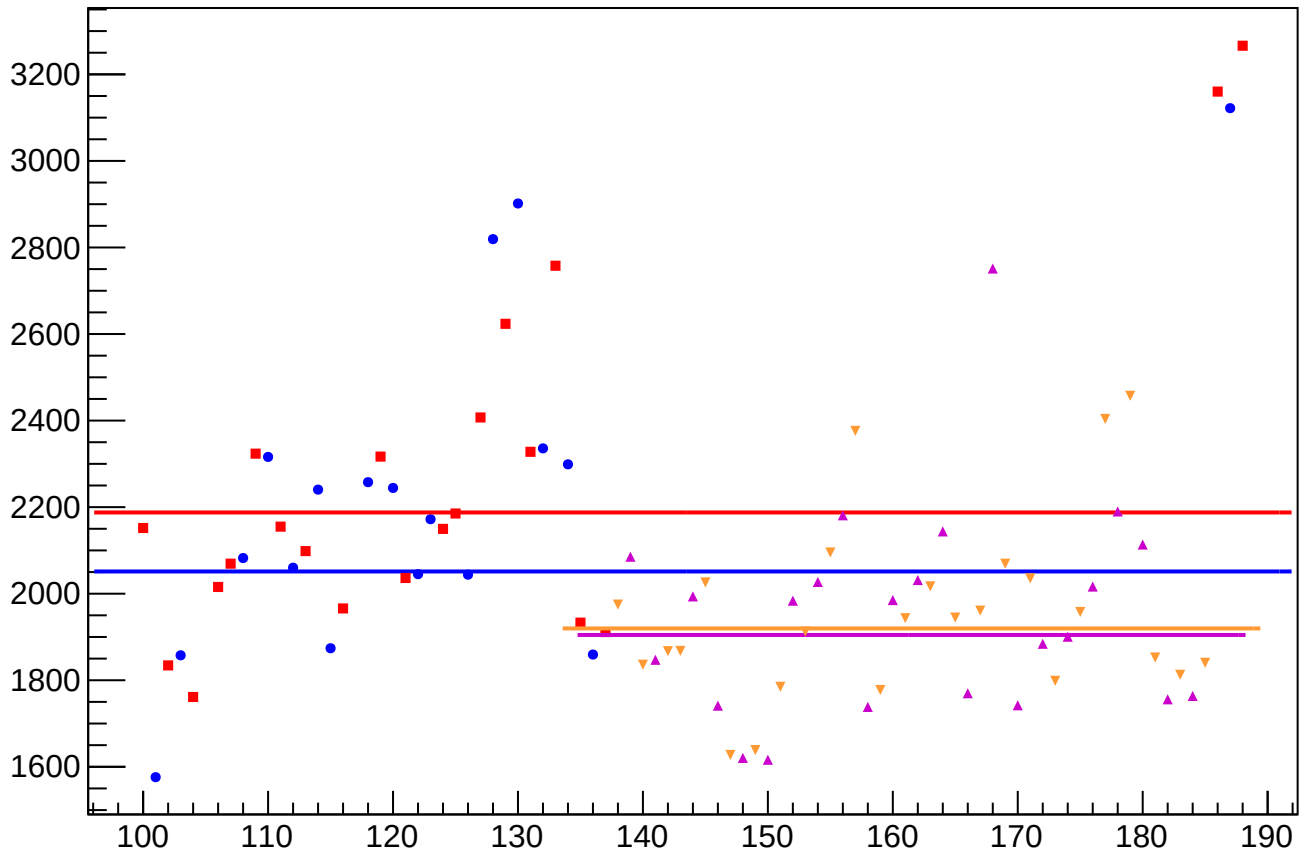
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ sign 1848.878 $\pm$ 392.200 χ^2 /NDF: 41.2/42

All: -318.108 $\pm$ 277.973 χ^2 /NDF: 141.5/86

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

asym_usr_rms vs Slug



Right In: 2051.348+/-0.566 χ^2/NDF : 372406.5/17

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

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

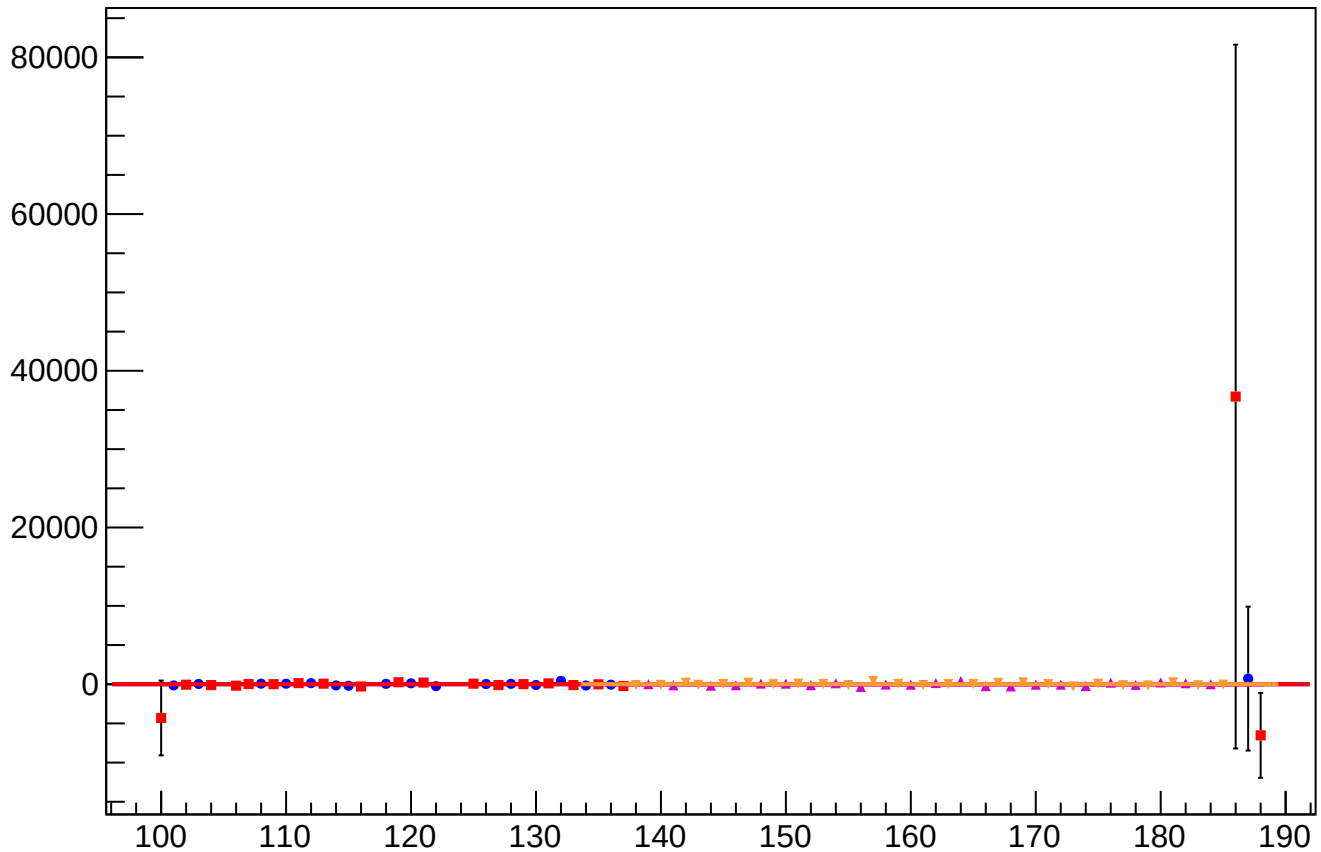
Left In: 1904.629+/-0.325 χ^2/NDF : 447350.7/22

+ sign 1951.363+/-0.277 χ^2/NDF : 779746.2/42

All: 1965.178+/-0.197 χ^2/NDF : 1915233.5/80

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

reg_asym_dsl_mean vs Slug



Right In: -0.758 ± 36.771 χ^2/NDF : 16.5/16

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

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

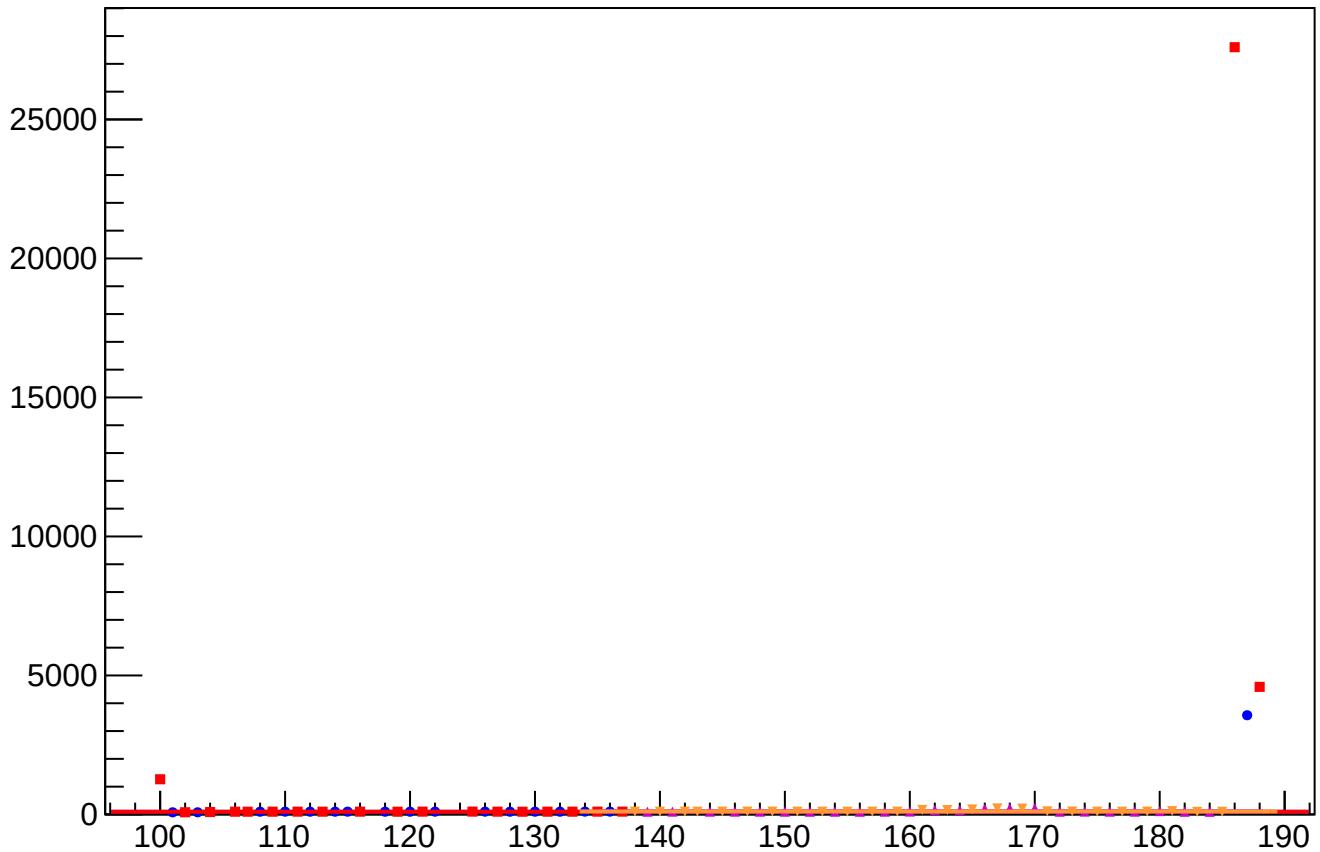
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 4.881 ± 20.995 χ^2/NDF : 53.0/41

All: -5.826 ± 14.991 χ^2/NDF : 106.1/84

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

reg_asym_dsl_rms vs Slug



Right In: 94.103+/-0.026 χ^2/NDF : 438429.5/16

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

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

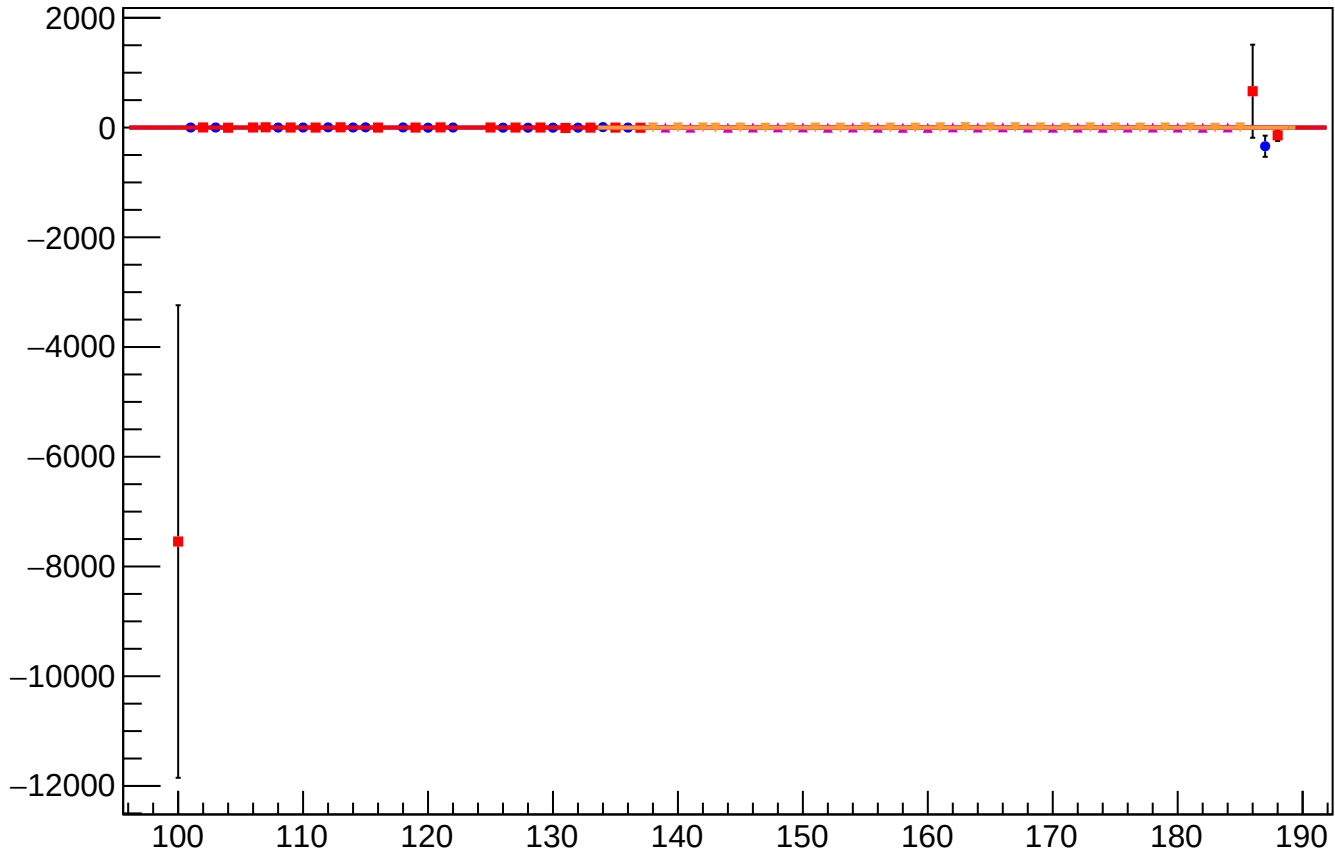
Left In: 107.672+/-0.019 χ^2/NDF : 1491034.7/22

+ sign 103.193+/-0.015 χ^2/NDF : 2067145.9/41

All: 103.544+/-0.011 χ^2/NDF : 6014088.7/84

- sign 103.909+/-0.015 χ^2/NDF : 3945802.5/42

asym_dsl_correction_mean vs Slug



Right In: 0.386 ± 0.617 χ^2/NDF : 13.5/16

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

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

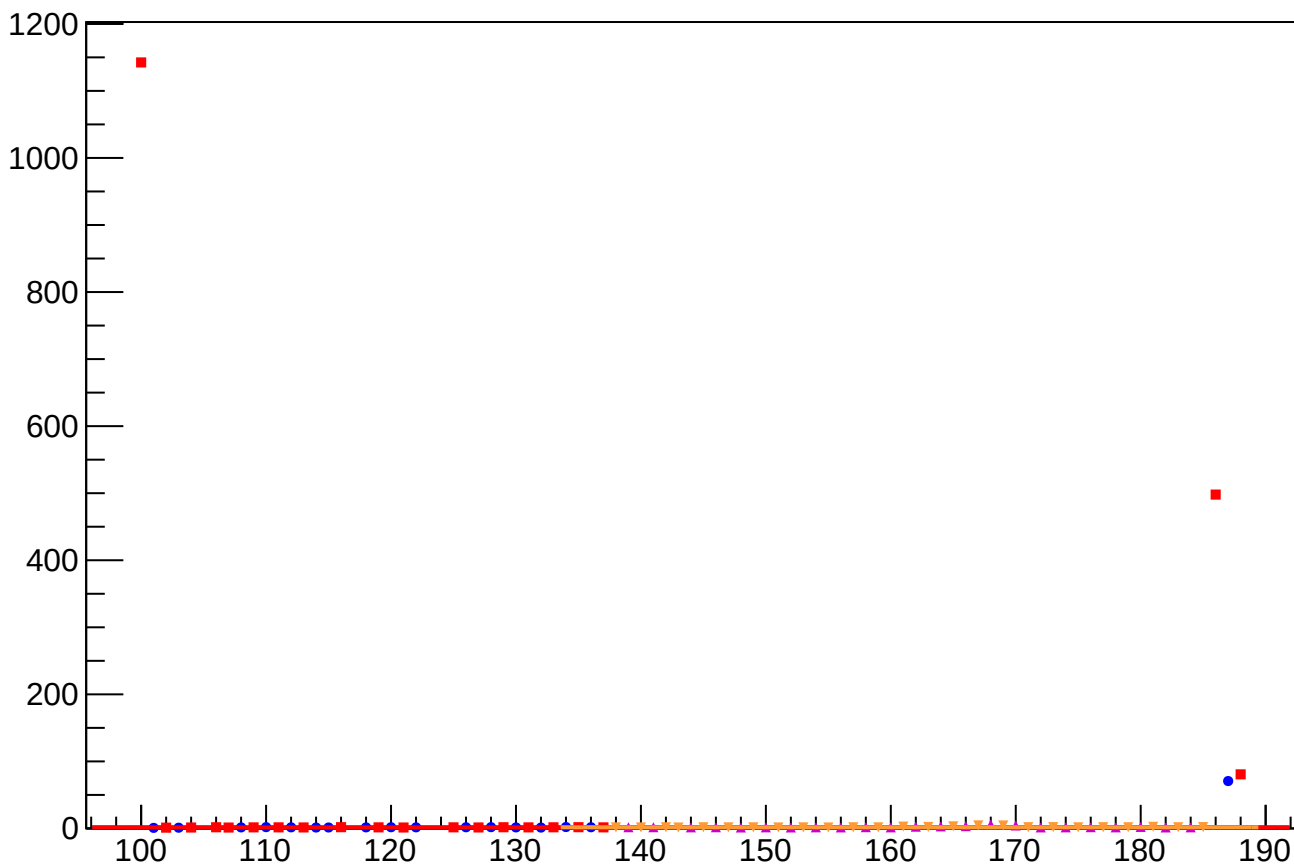
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.355 ± 0.368 χ^2/NDF : 49.9/41

All: -0.107 ± 0.267 χ^2/NDF : 99.5/84

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

asym_dsl_correction_rms vs Slug



Right In: 1.421+/-0.000 χ^2/NDF : 971836.1/16

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

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

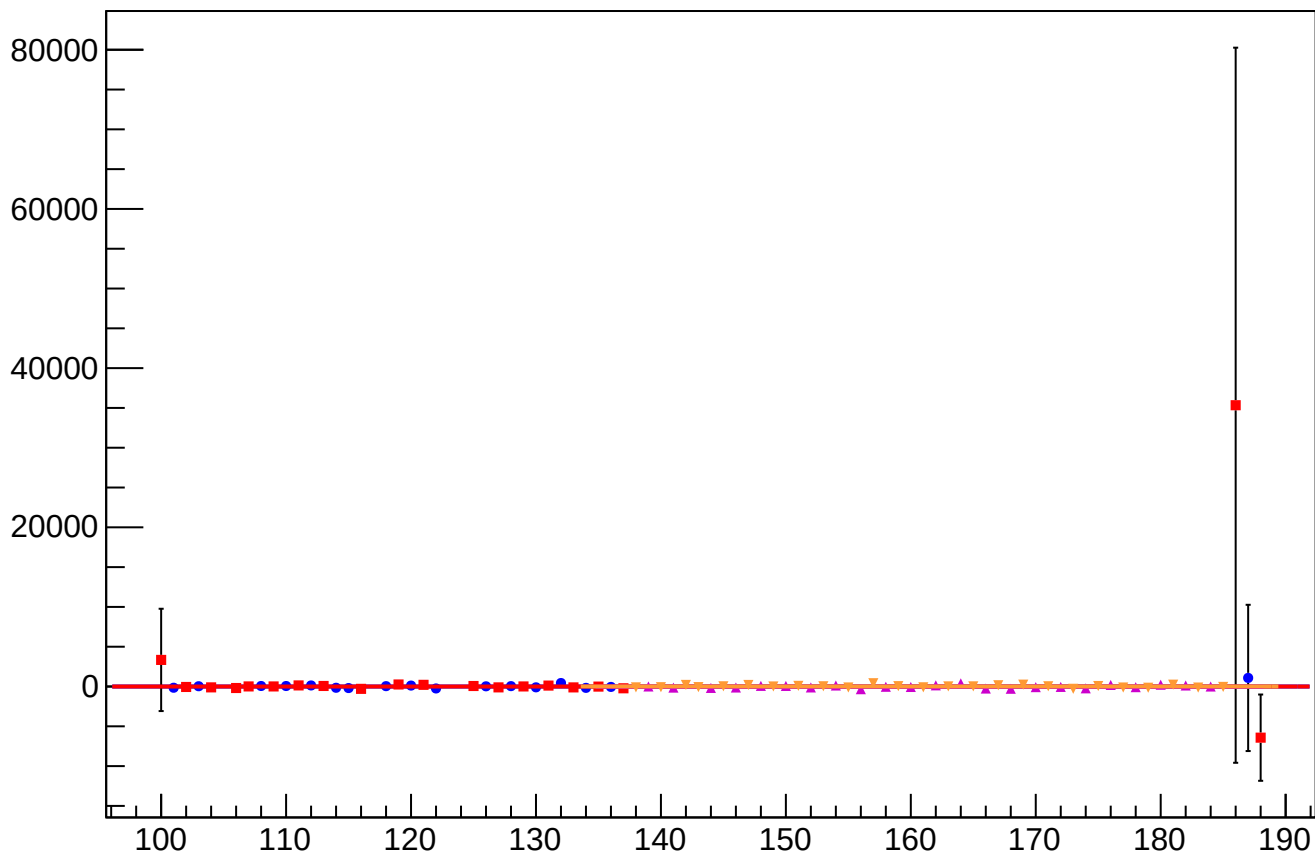
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.630+/-0.000 χ^2/NDF : 3014084.2/41

All: 1.670+/-0.000 χ^2/NDF : 7371067.1/84

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

asym_dsl_mean vs Slug



Right In: -0.456 ± 36.781 χ^2/NDF : 16.7/16

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

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

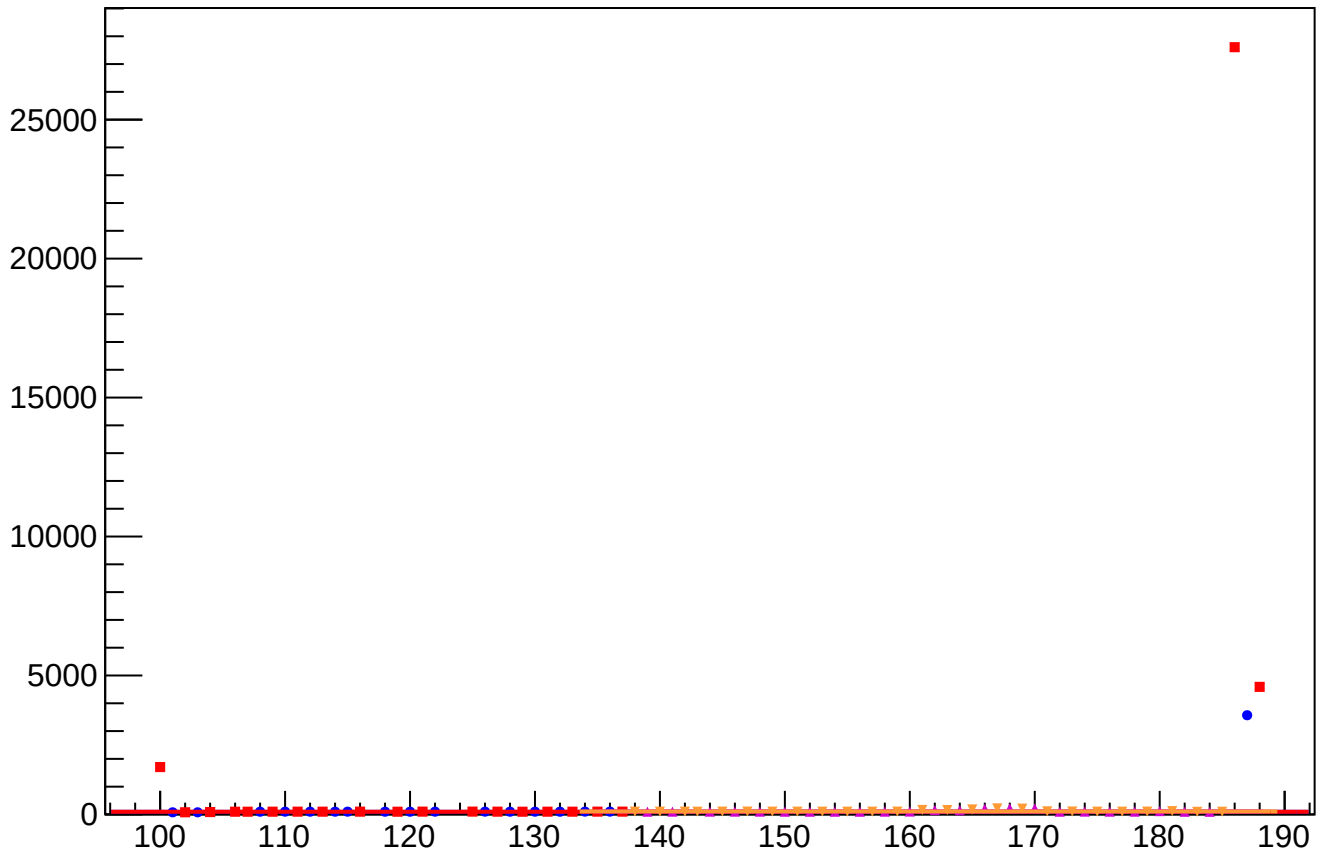
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 5.520 ± 21.001 χ^2/NDF : 53.0/41

All: -5.630 ± 14.995 χ^2/NDF : 104.9/84

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

asym_dsl_rms vs Slug



Right In: 94.127 $\pm$ 0.026 χ^2 /NDF: 438449.6/16

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

Right Out: 96.592 $\pm$ 0.026 χ^2 /NDF: 2339684.1/19

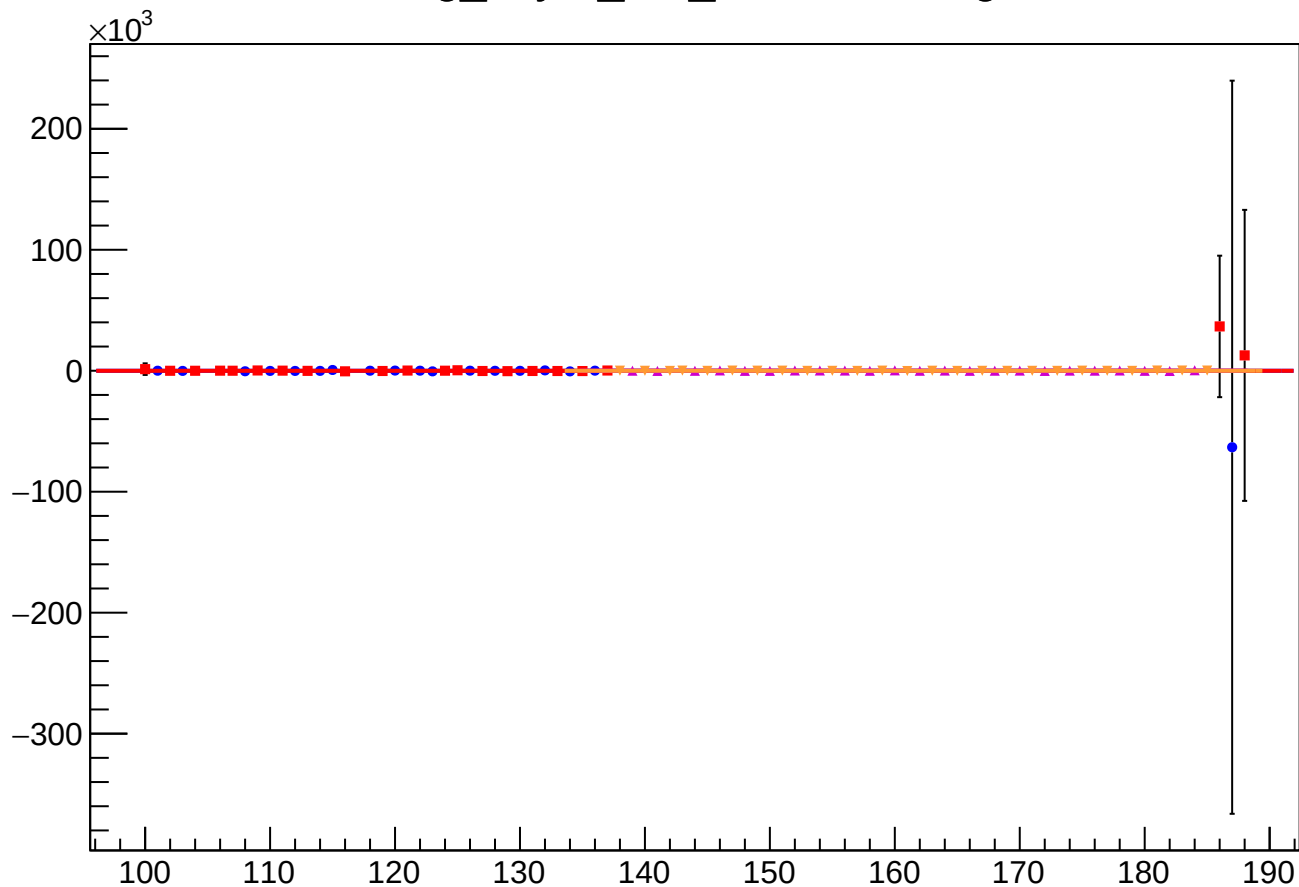
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.221 $\pm$ 0.015 χ^2 /NDF: 2068631.3/41

All: 103.570 $\pm$ 0.011 χ^2 /NDF: 6022453.0/84

- sign 103.932 $\pm$ 0.015 χ^2 /NDF: 3952698.0/42

reg_asym_dsr_mean vs Slug



Right In: -26.799 ± 46.841 χ^2/NDF : 14.5/17

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

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

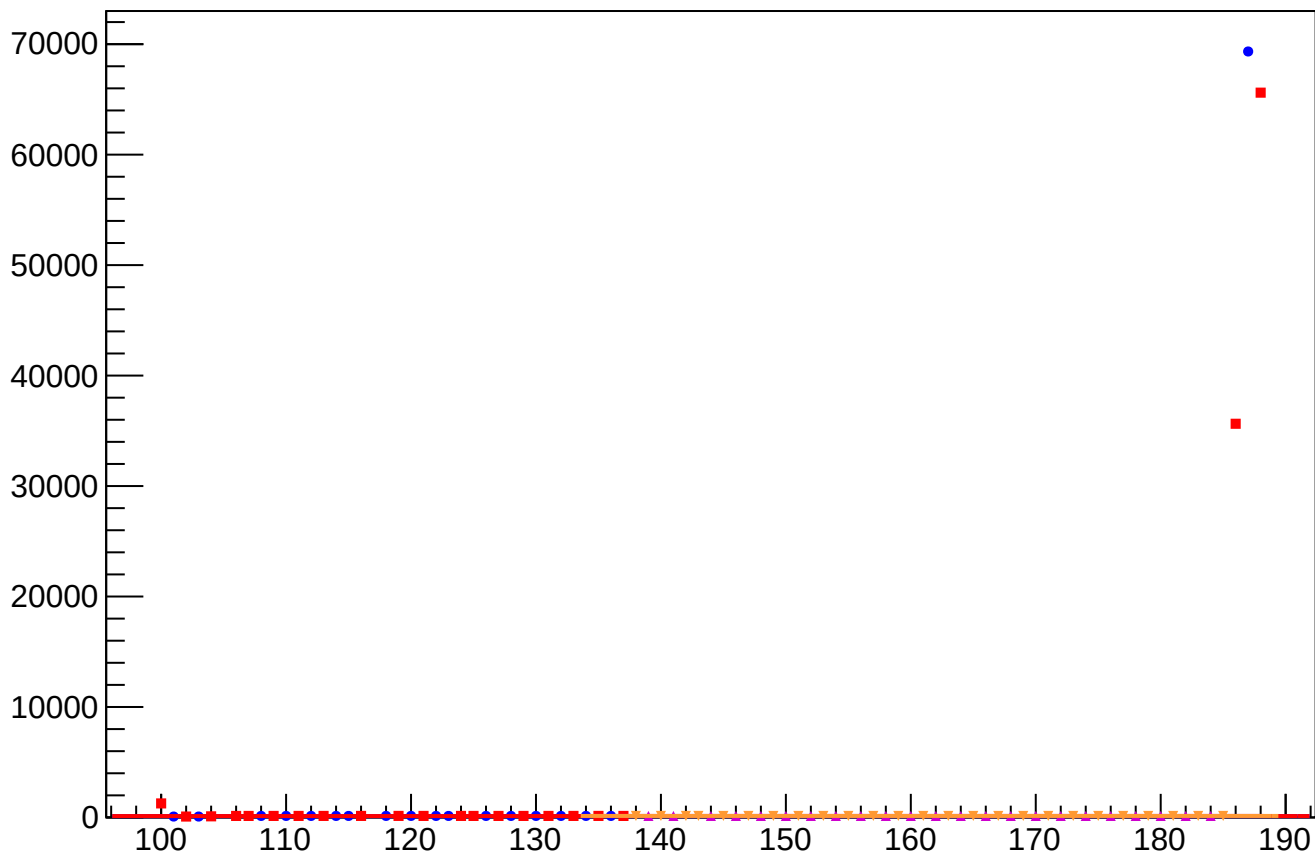
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.286 ± 26.458 χ^2/NDF : 26.5/42

All: 4.350 ± 18.939 χ^2/NDF : 67.2/86

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

reg_asym_dsr_rms vs Slug



Right In: 117.764 $\pm$ 0.033 χ^2 /NDF: 797574.6/17

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

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

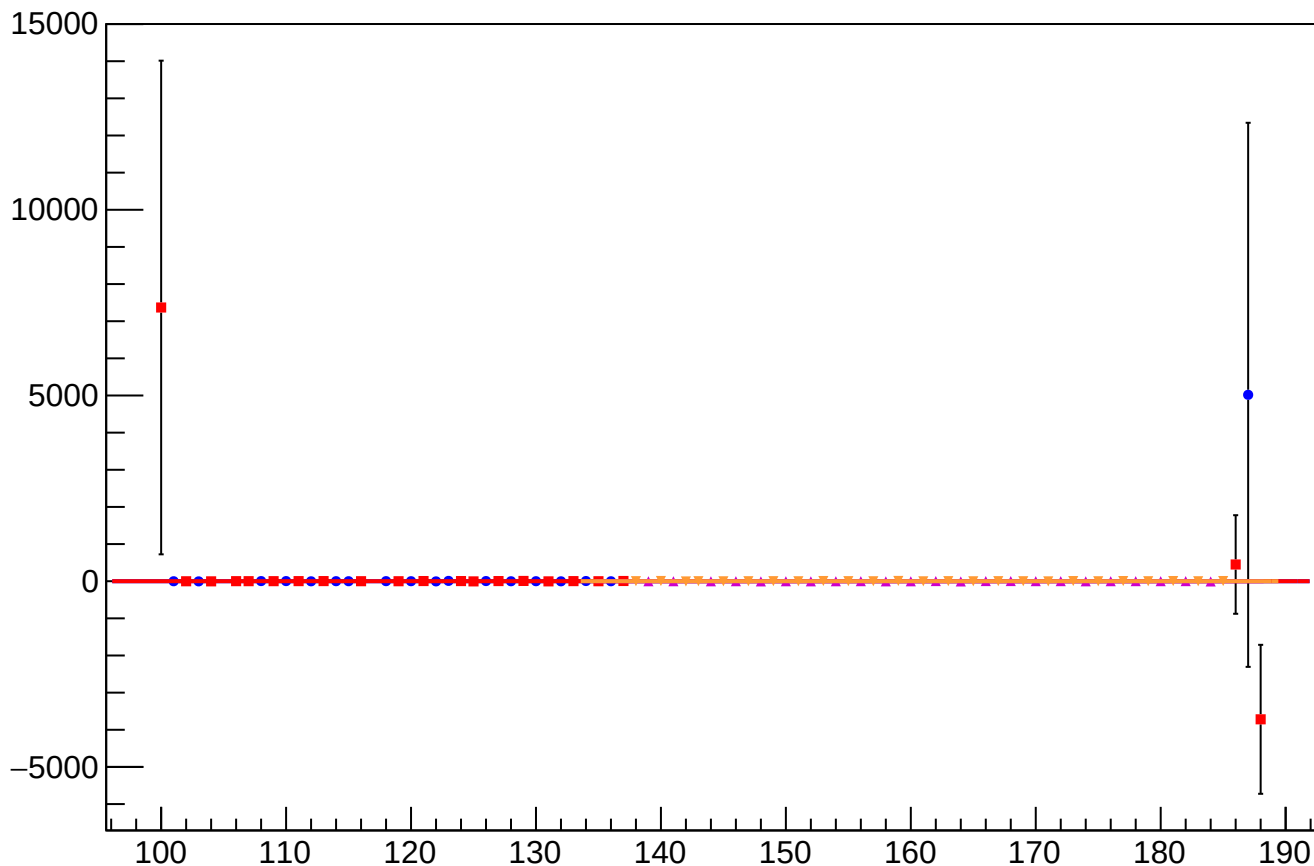
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.446 $\pm$ 0.019 χ^2 /NDF: 1048613.0/42

All: 132.497 $\pm$ 0.013 χ^2 /NDF: 3156569.2/86

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

asym_dsr_correction_mean vs Slug



Right In: -0.719+/-0.810 χ^2 /NDF: 12.7/17

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

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

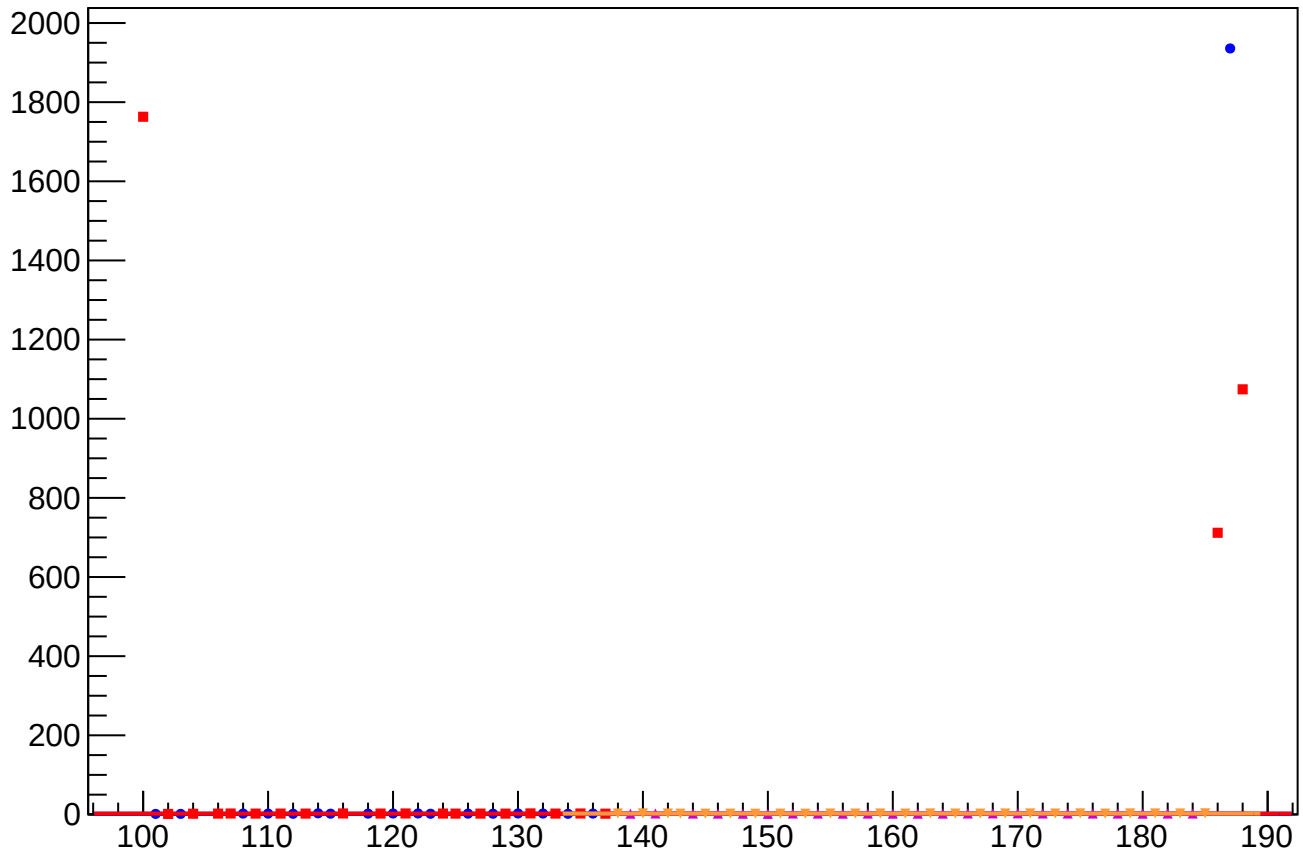
Left In: -0.290+/-0.579 χ^2 /NDF:20.7/22

+ sign 0.087+/-0.467 χ^2 /NDF: 43.1/42

All: 0.046+/-0.334 χ^2 /NDF: 82.9/86

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

asym_dsr_correction_rms vs Slug



Right In: 1.865 $\pm$ 0.001 χ^2 /NDF: 629203.6/17

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

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

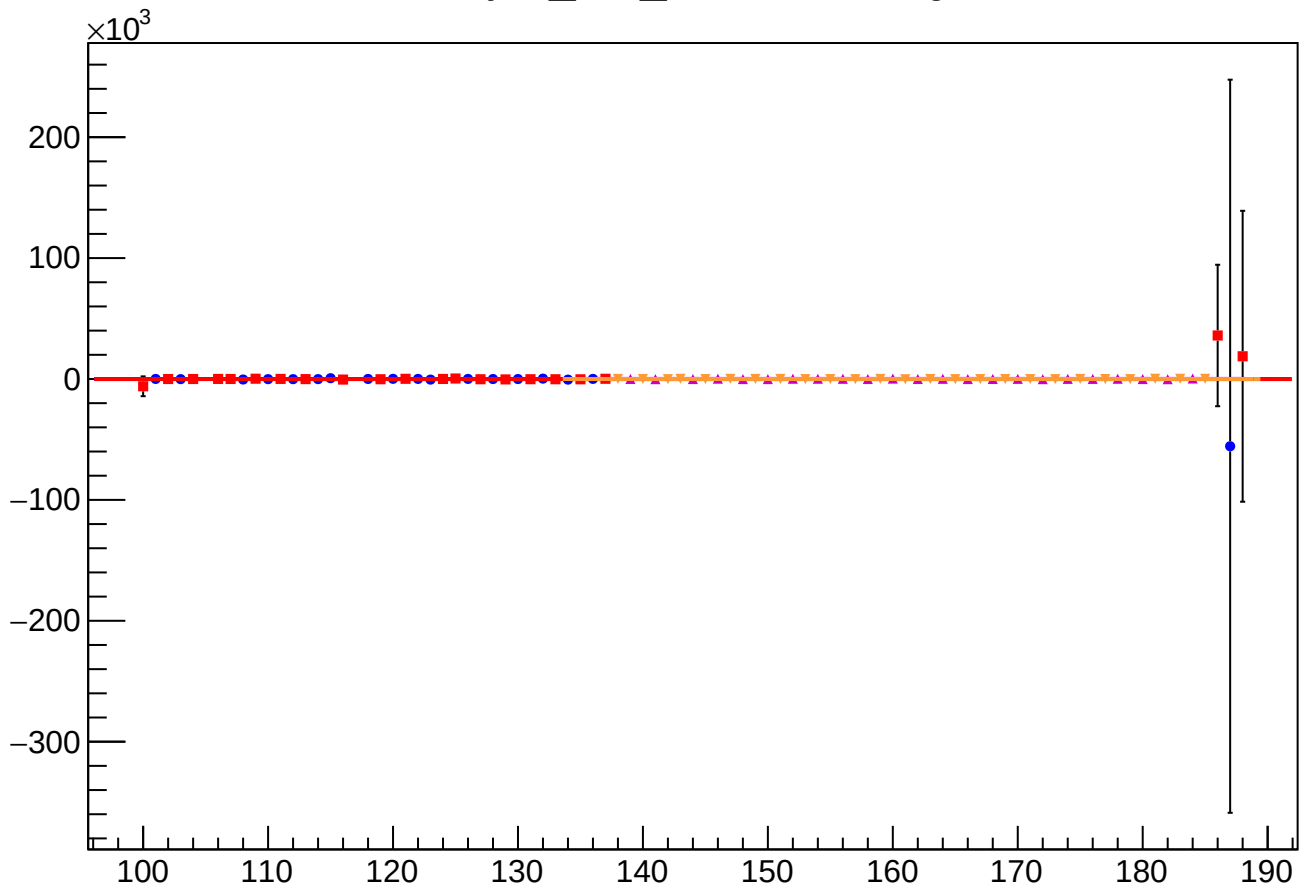
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF: 510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 1324048.7/42

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 3534153.2/86

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

asym_dsr_mean vs Slug



Right In: -25.061 $\pm$ 46.854 χ^2 /NDF: 14.5/17

Left Out: -13.383 $\pm$ 32.072 χ^2 /NDF: 11.8/24

Right Out: -54.259 $\pm$ 47.789 χ^2 /NDF: 16.5/20

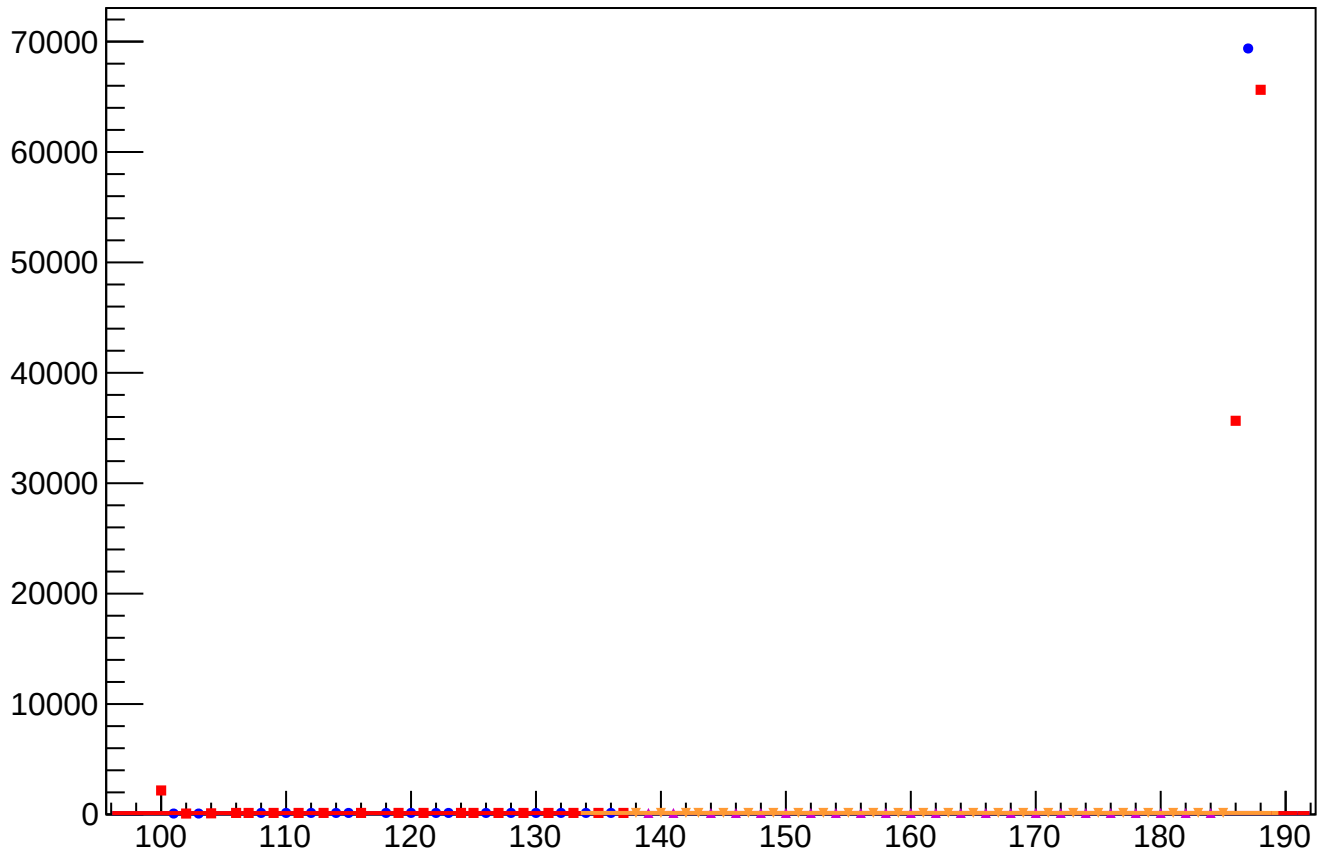
Left In: 65.231 $\pm$ 32.953 χ^2 /NDF: 19.4/22

+ sign -17.109 $\pm$ 26.465 χ^2 /NDF: 26.4/42

All: 4.266 $\pm$ 18.944 χ^2 /NDF: 67.8/86

- sign 26.725 $\pm$ 27.129 χ^2 /NDF: 40.1/43

asym_dsr_rms vs Slug



Right In: 117.795+/-0.033 χ^2/NDF : 797615.1/17

Left Out: 137.895+/-0.023 χ^2/NDF : 440.9/24

Right Out: 124.749+/-0.034 χ^2/NDF : 2010551.3/20

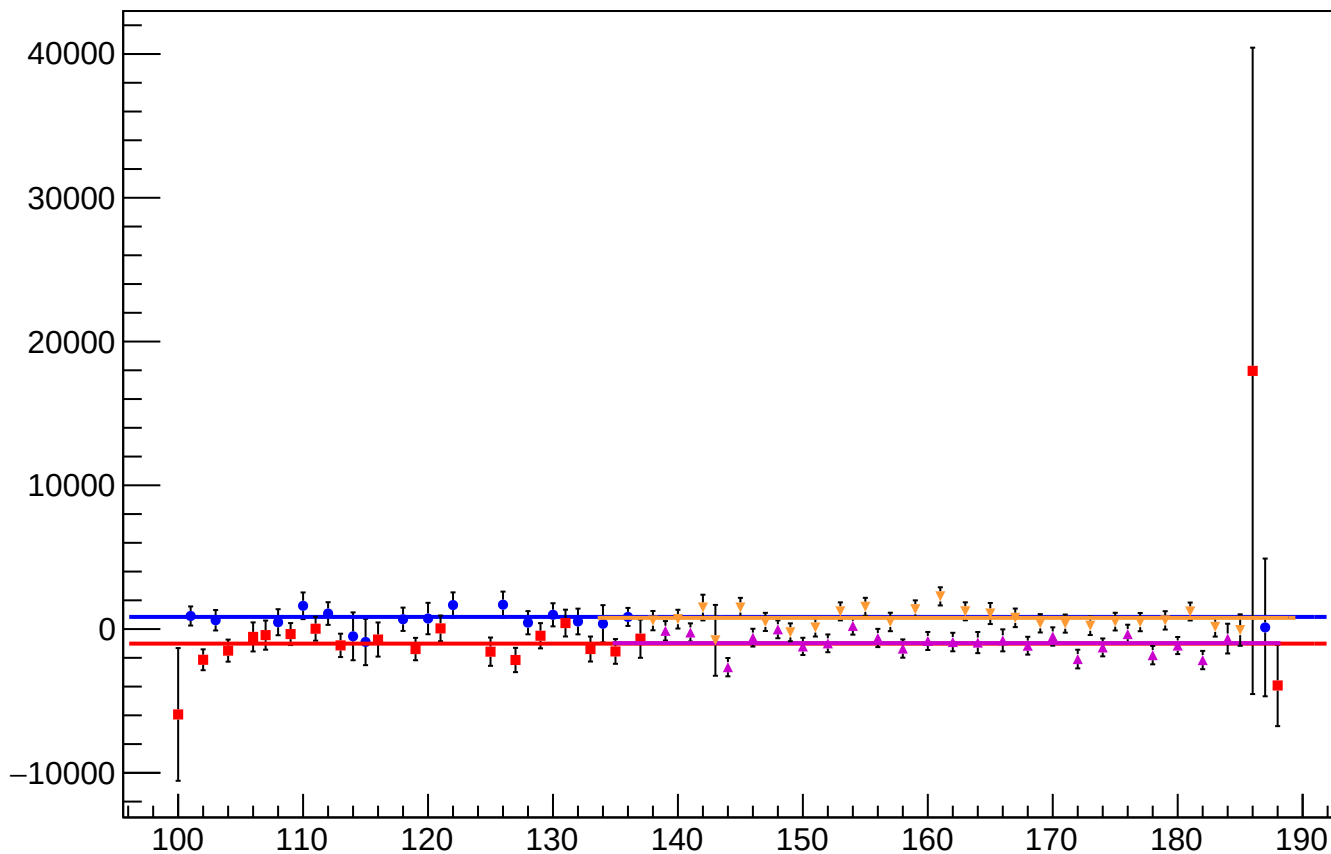
Left In: 137.843+/-0.023 χ^2/NDF : 457.2/22

+ sign 131.482+/-0.019 χ^2/NDF : 1048684.7/42

All: 132.526+/-0.013 χ^2/NDF : 3167845.2/86

- sign 133.623+/-0.019 χ^2/NDF : 2112776.1/43

reg_asym_left_avg_mean vs Slug



Right In: 845.537 ± 216.445 χ^2/NDF : 5.3/16

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

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

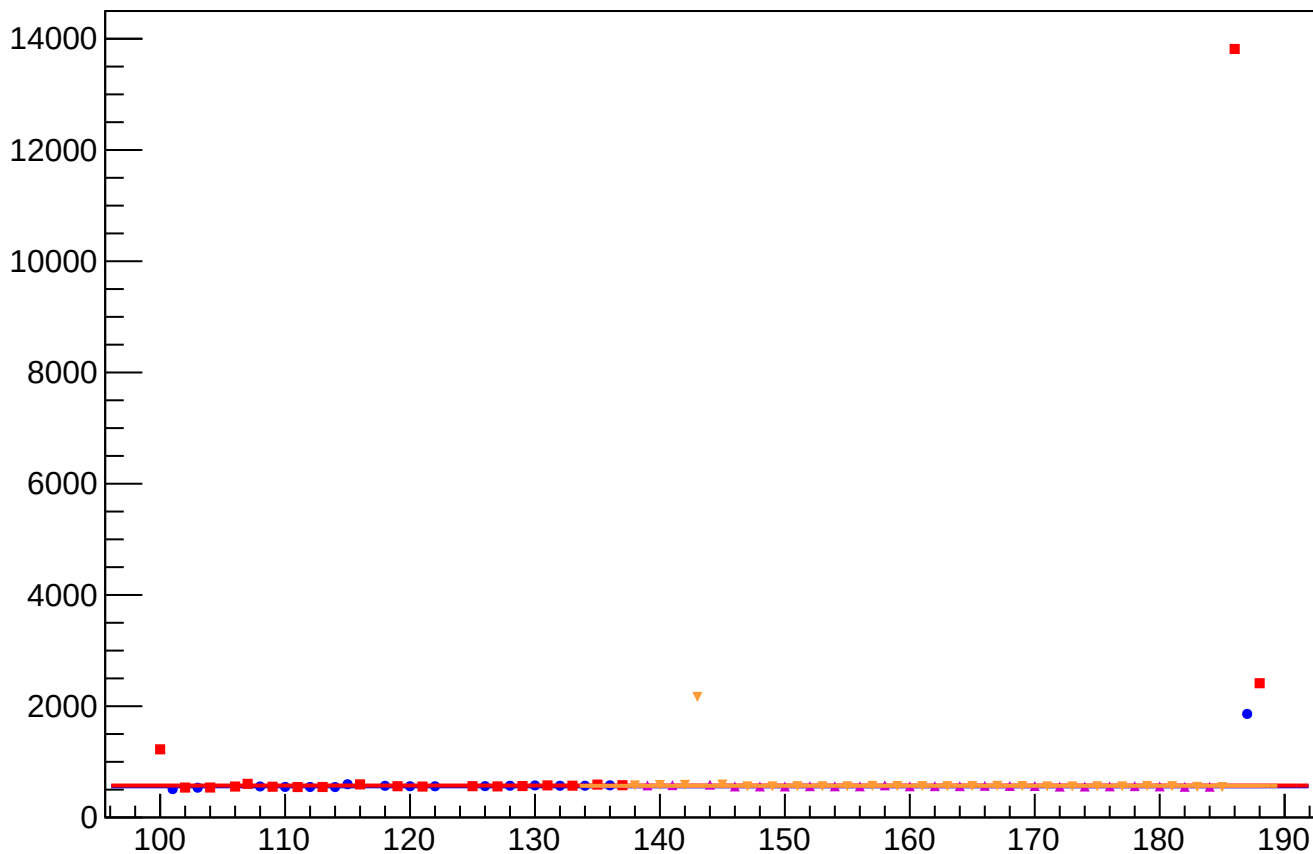
Left In: -974.402 ± 134.932 χ^2/NDF : 27.4/22

+ sign 797.946 ± 113.844 χ^2/NDF : 24.9/41

All: -92.934 ± 80.531 χ^2/NDF : 190.8/84

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

reg_asym_left_avg_rms vs Slug



Right In: 559.536 $\pm$ 0.153 χ^2 /NDF: 166661.7/16

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

Right Out: 574.100 $\pm$ 0.150 χ^2 /NDF: 1600375.5/19

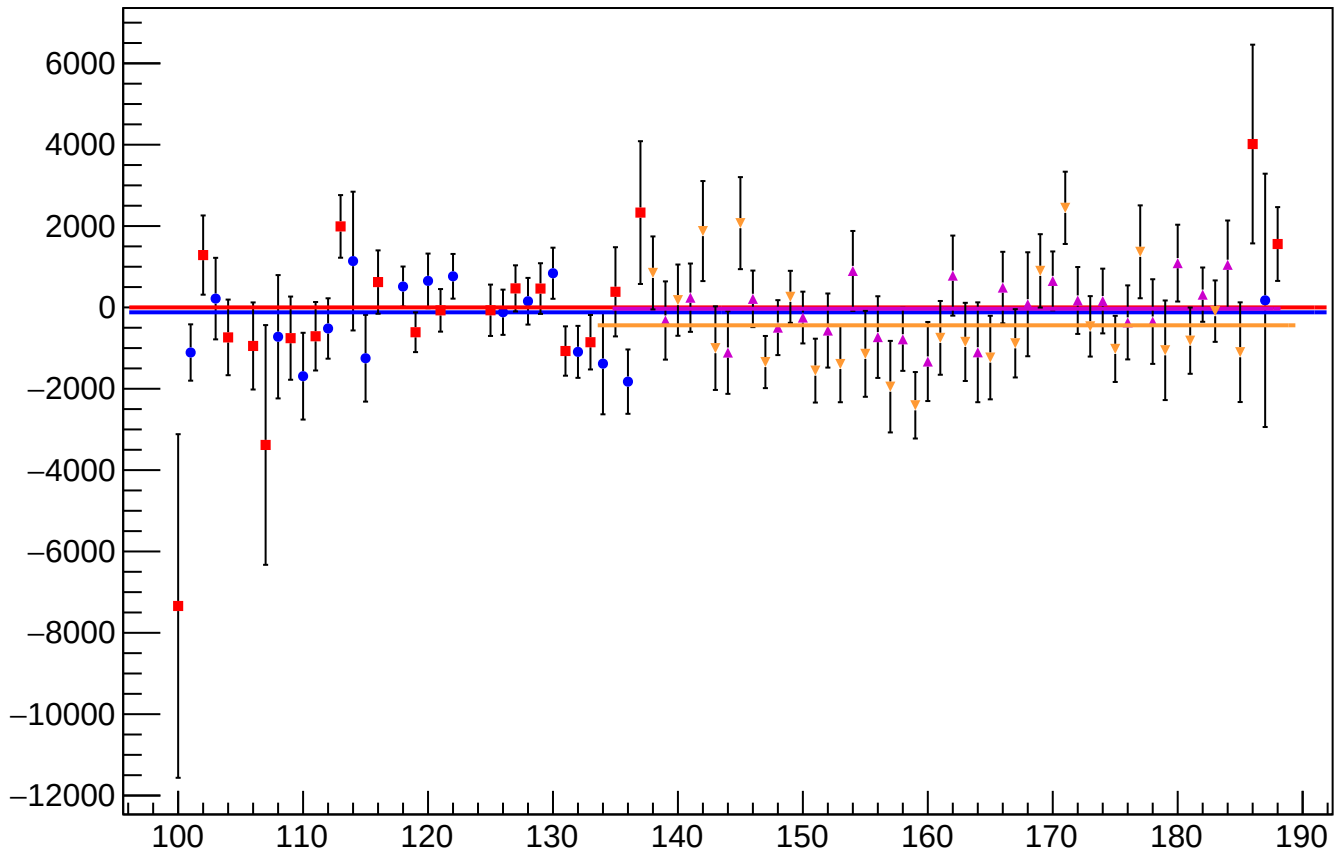
Left In: 564.383 $\pm$ 0.095 χ^2 /NDF: 9209.5/22

+ sign 566.291 $\pm$ 0.081 χ^2 /NDF: 1023069.4/41

All: 566.731 $\pm$ 0.057 χ^2 /NDF: 2635691.7/84

- sign 567.172 $\pm$ 0.081 χ^2 /NDF: 1612562.4/42

asym_left_avg_correction_mean vs Slug



Right In: -120.786 ± 180.484 χ^2/NDF : 22.6/16

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

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

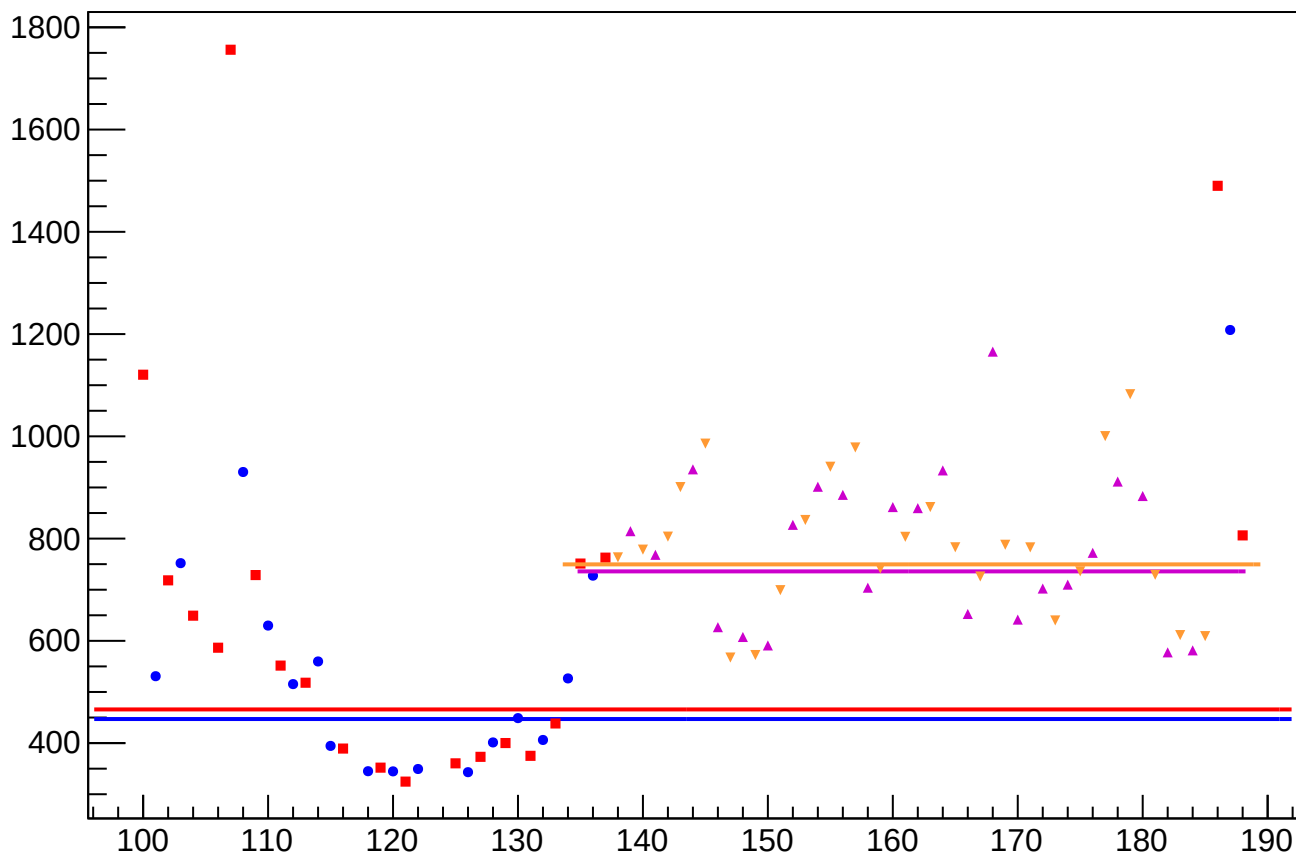
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -282.720 ± 126.692 χ^2/NDF : 67.7/41

All: -147.906 ± 89.144 χ^2/NDF : 113.3/84

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

asym_left_avg_correction_rms vs Slug



Right In: 447.075+/-0.128 χ^2/NDF : 1172532.4/16

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

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

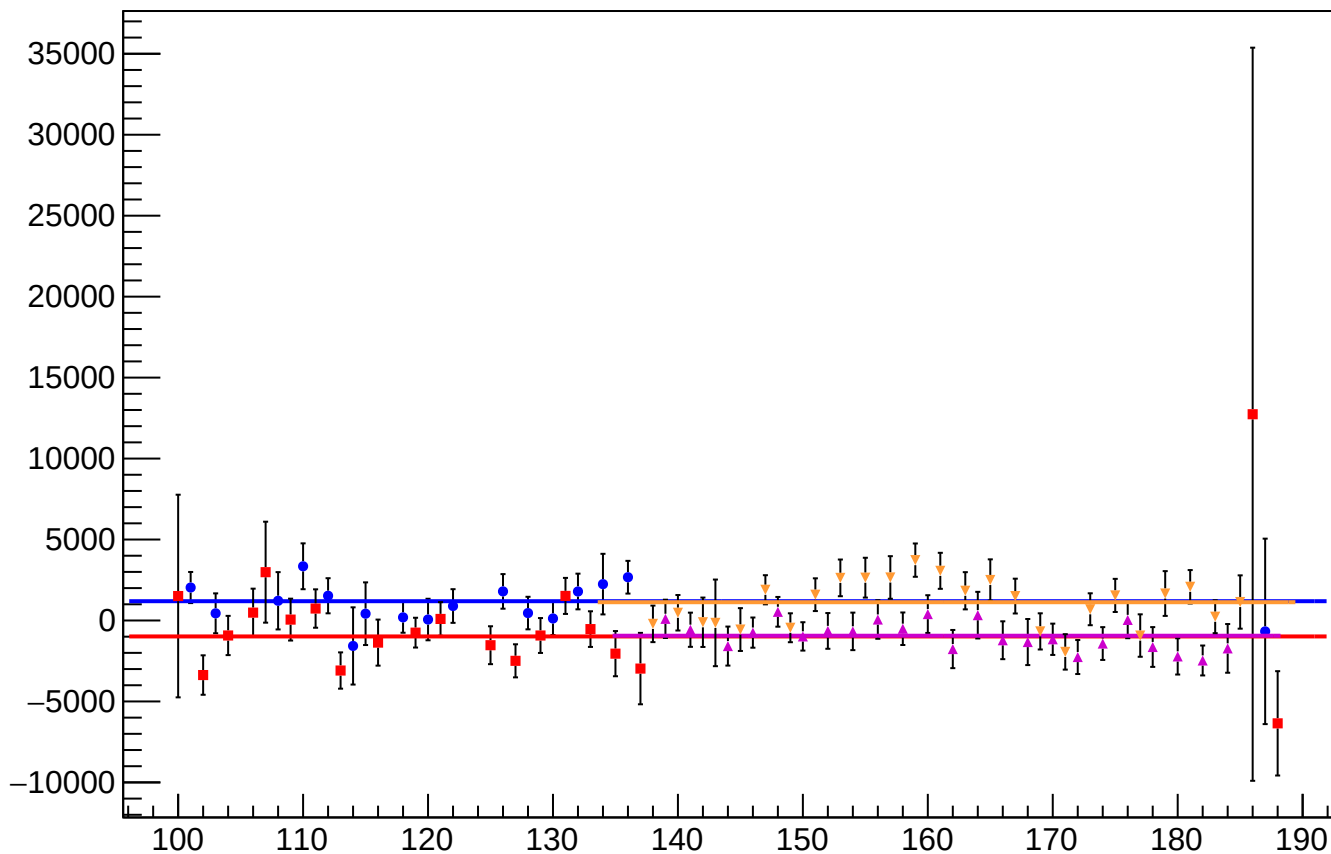
Left In: 735.850+/-0.127 χ^2/NDF : 1105405.5/22

+ sign 600.521+/-0.090 χ^2/NDF : 5075951.2/41

All: 599.170+/-0.063 χ^2/NDF : 10606432.1/84

- sign 597.845+/-0.089 χ^2/NDF : 5530030.2/42

asym_left_avg_mean vs Slug



Right In: 1191.191 $\pm$ 295.703 χ^2 /NDF: 11.8/16

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

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

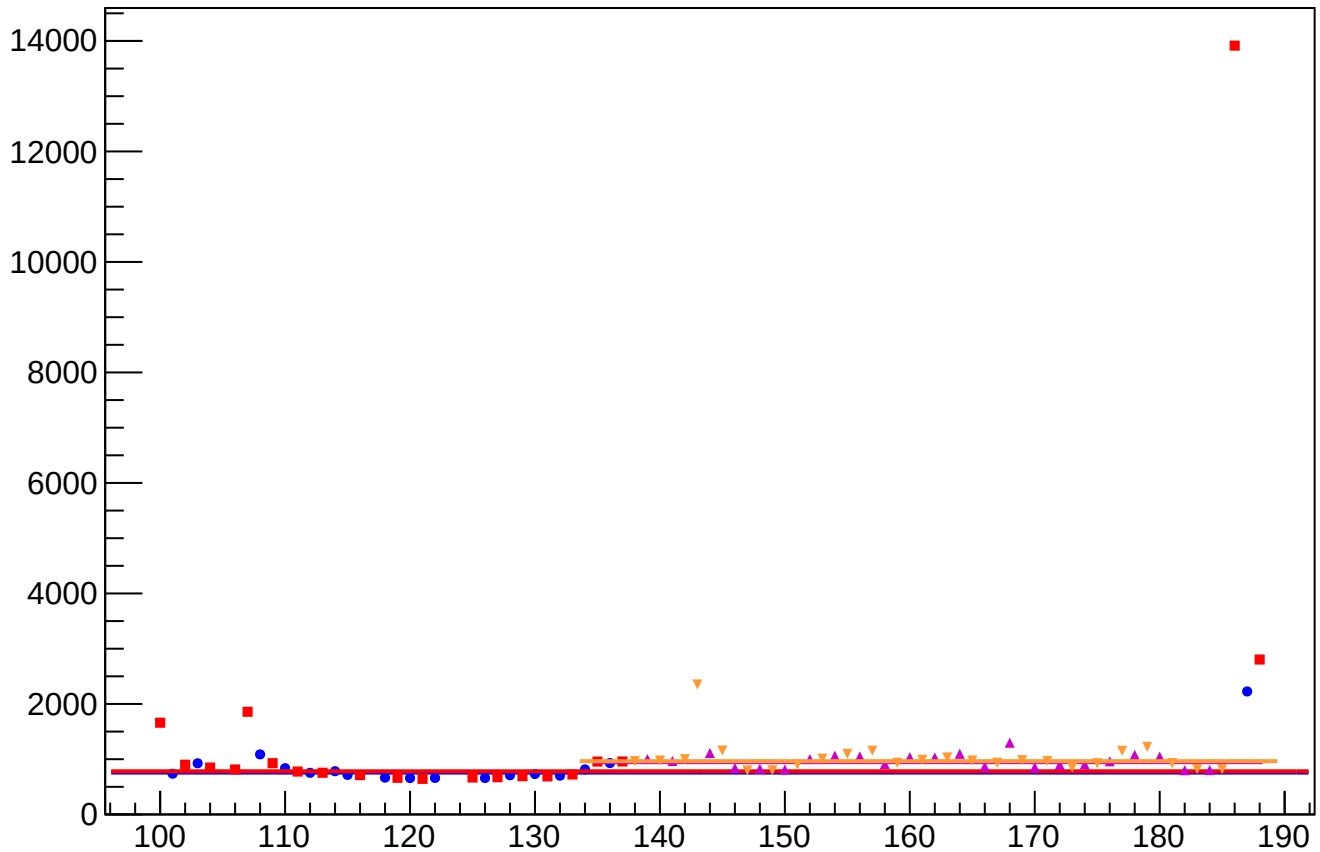
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1151.938 $\pm$ 180.561 χ^2 /NDF: 51.0/41

All: 94.161 $\pm$ 127.510 χ^2 /NDF: 160.5/84

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

asym_left_avg_rms vs Slug



Right In: 757.733 $\pm$ 0.209 χ^2 /NDF: 381941.3/16

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

Right Out: 781.402 $\pm$ 0.207 χ^2 /NDF: 1983555.8/19

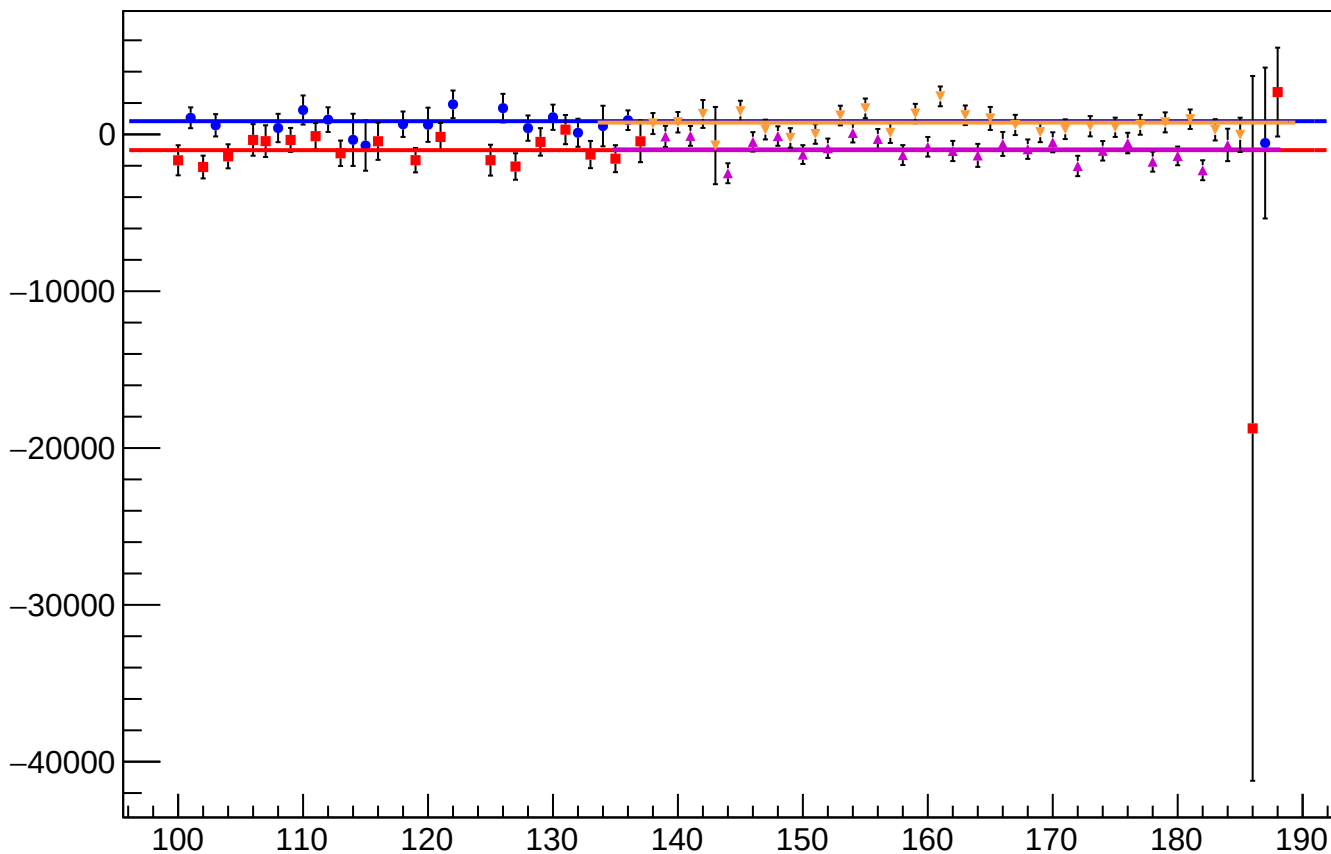
Left In: 946.573 $\pm$ 0.161 χ^2 /NDF: 501366.9/22

+ sign 887.402 $\pm$ 0.128 χ^2 /NDF: 1997932.1/41

All: 885.778 $\pm$ 0.090 χ^2 /NDF: 4878654.6/84

- sign 884.162 $\pm$ 0.127 χ^2 /NDF: 2880399.5/42

reg_asym_left_dd_mean vs Slug



Right In: 842.540 ± 216.279 χ^2/NDF : 6.2/16

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

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

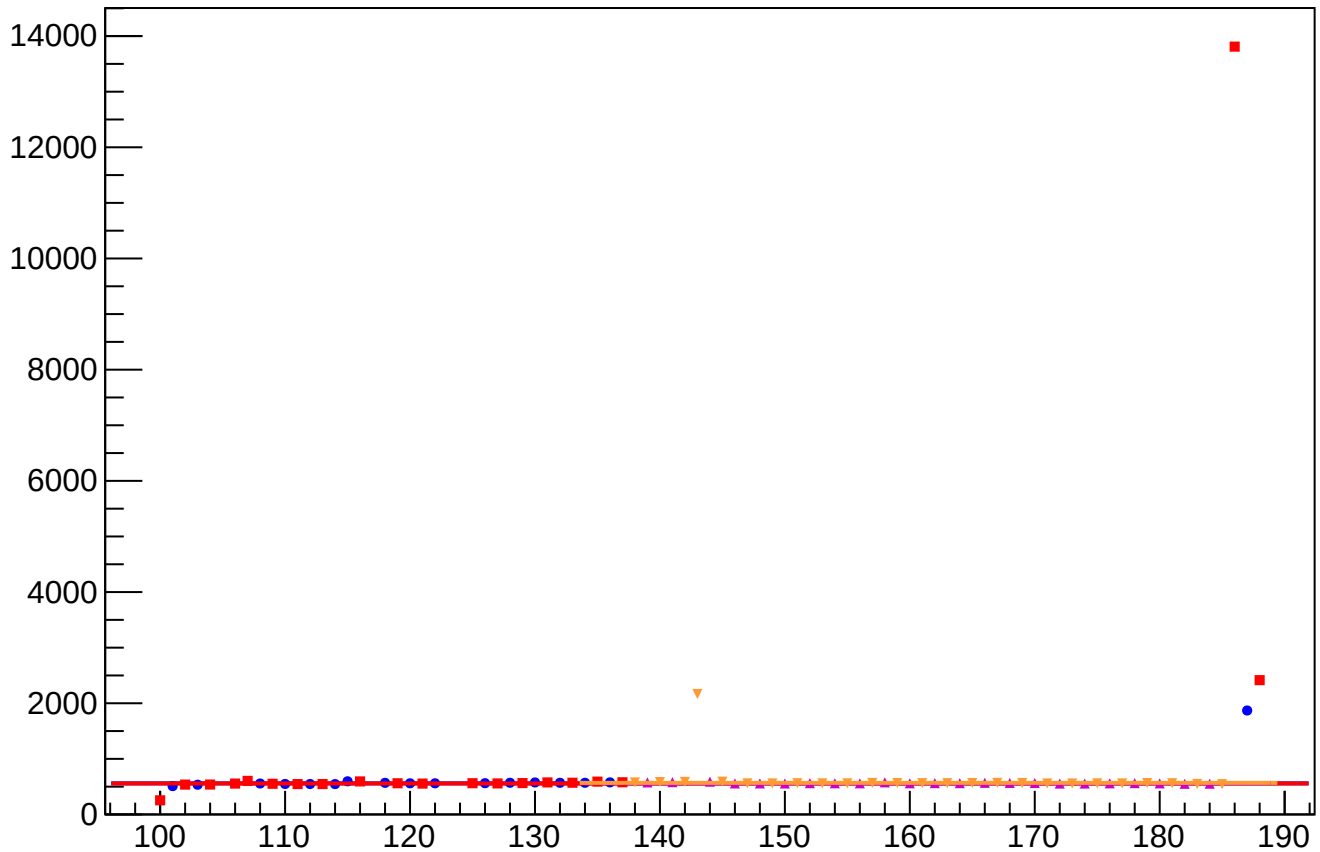
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 777.992 ± 113.752 χ^2/NDF : 27.7/41

All: -102.264 ± 80.197 χ^2/NDF : 188.3/84

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

reg_asym_left_dd_rms vs Slug



Right In: 559.092 $\pm$ 0.153 χ^2 /NDF: 167344.9/16

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

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

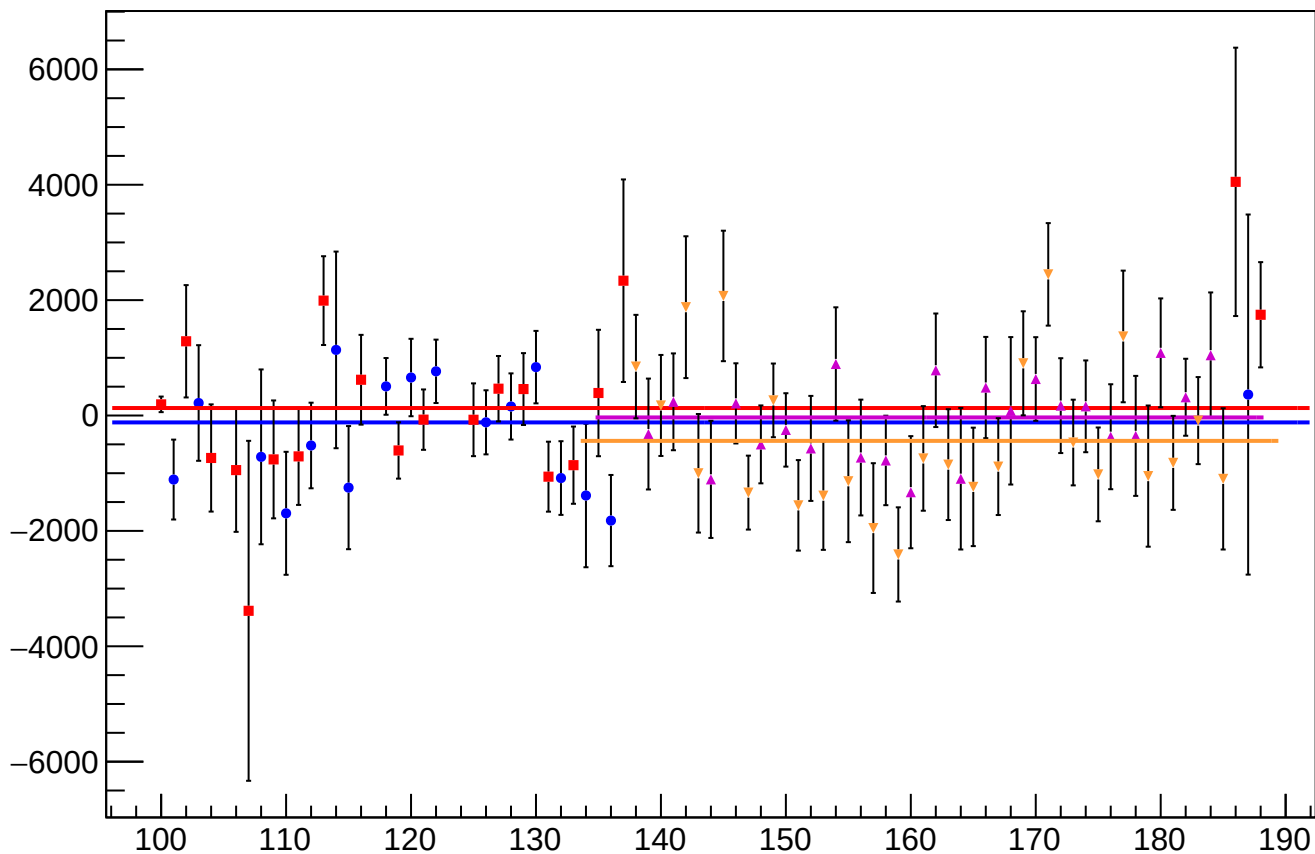
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

+ sign 565.825 $\pm$ 0.080 χ^2 /NDF: 1024037.5/41

All: 563.892 $\pm$ 0.057 χ^2 /NDF: 2806572.4/84

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

asym_left_dd_correction_mean vs Slug



Right In: -119.589 $\pm$ 180.397 χ^2/NDF : 22.5/16

Left Out: -439.659 $\pm$ 177.808 χ^2/NDF : 43.6/24

Right Out: 129.818 $\pm$ 106.993 χ^2/NDF : 29.7/19

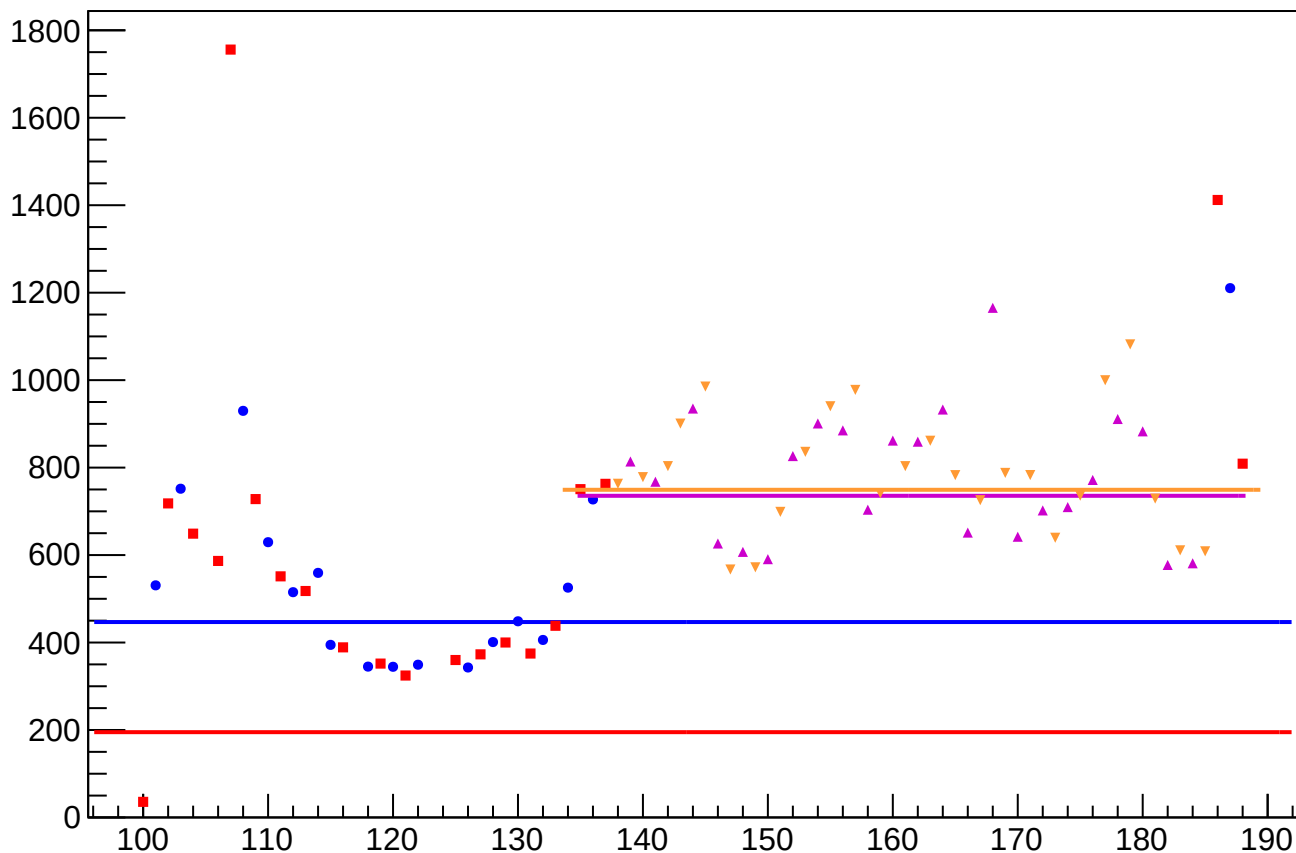
Left In: -33.325 $\pm$ 179.355 χ^2/NDF : 12.1/22

+ sign -281.937 $\pm$ 126.635 χ^2/NDF : 67.7/41

All: -40.248 $\pm$ 74.371 χ^2/NDF : 115.7/84

- sign 86.999 $\pm$ 91.886 χ^2/NDF : 42.5/42

asym_left_dd_correction_rms vs Slug



Right In: 446.858 $\pm$ 0.128 χ^2 /NDF: 1172666.8/16

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

Right Out: 195.033 $\pm$ 0.076 χ^2 /NDF: 9547198.1/19

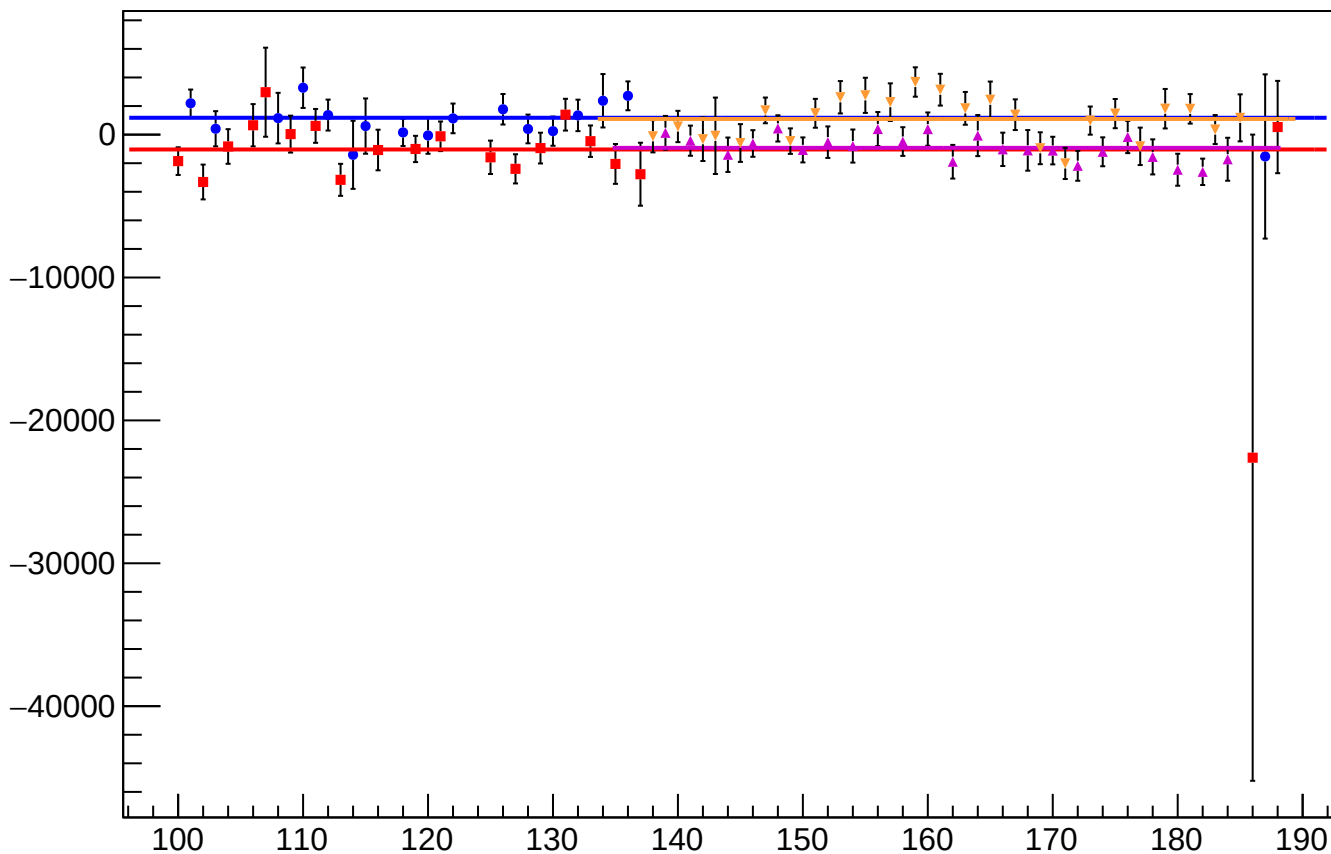
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF: 1105222.3/22

+ sign 600.249 $\pm$ 0.090 χ^2 /NDF: 5077844.0/41

All: 427.727 $\pm$ 0.053 χ^2 /NDF: 34793221.9/84

- sign 336.896 $\pm$ 0.065 χ^2 /NDF: 24048997.8/42

asym_left_dd_mean vs Slug



Right In: 1179.782 ± 295.506 χ^2/NDF : 11.8/16

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

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

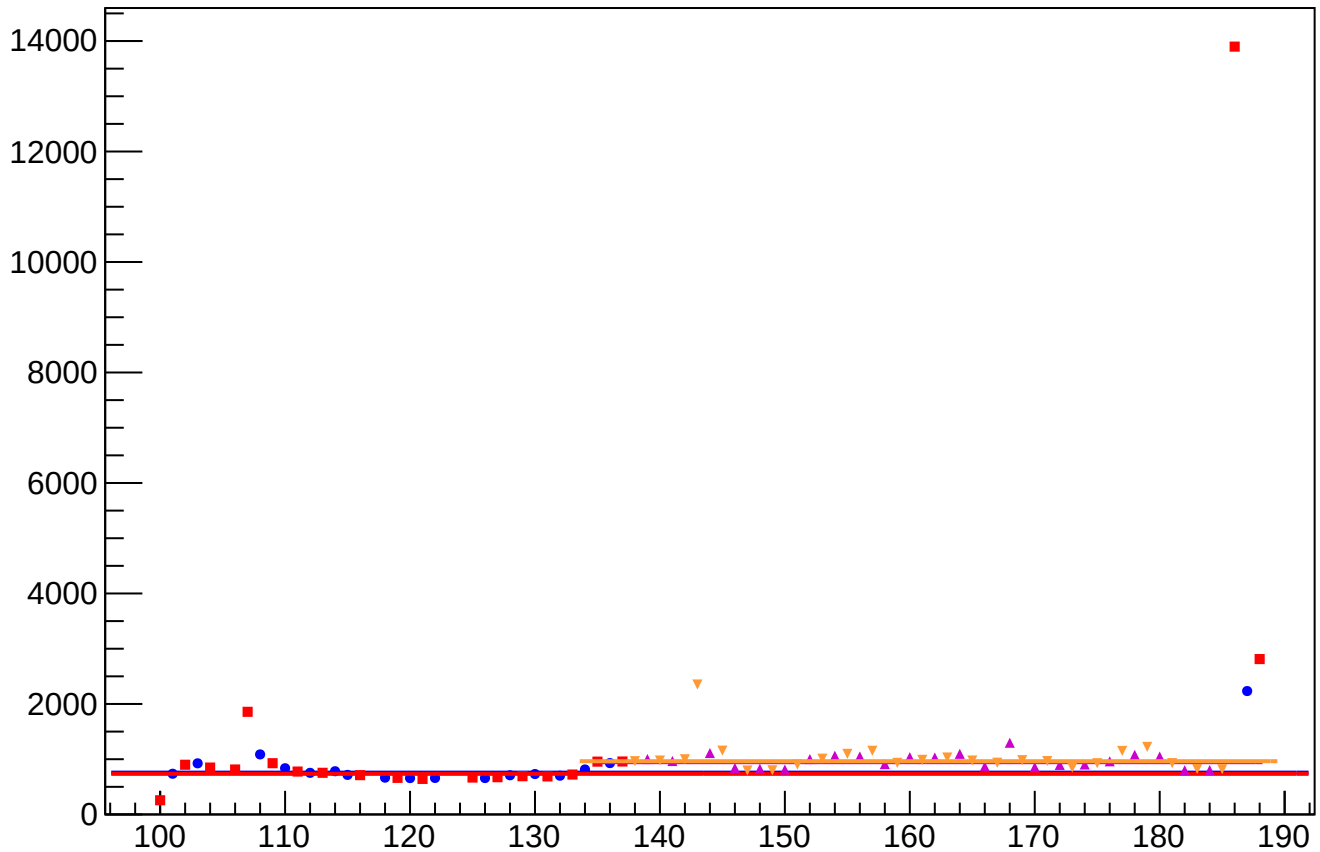
Left In: -926.281 ± 228.196 χ^2/NDF : 15.1/22

+ sign 1127.574 ± 180.450 χ^2/NDF : 50.3/41

All: 58.115 ± 126.371 χ^2/NDF : 158.1/84

- sign -971.189 ± 177.030 χ^2/NDF : 38.8/42

asym_left_dd_rms vs Slug



Right In: 757.204 $\pm$ 0.209 χ^2 /NDF: 382685.1/16

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

Right Out: 735.157 $\pm$ 0.198 χ^2 /NDF: 2478446.8/19

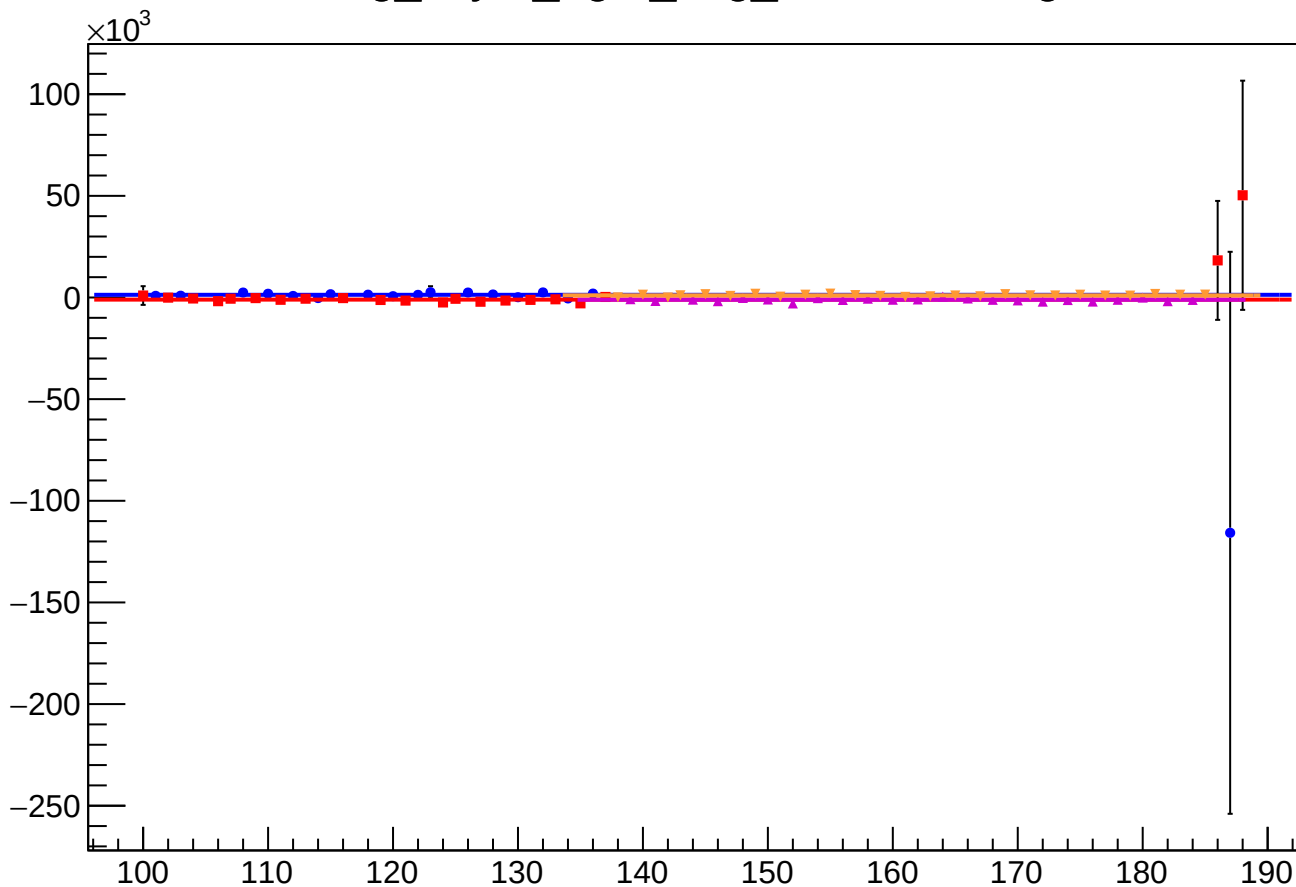
Left In: 946.041 $\pm$ 0.161 χ^2 /NDF: 501442.7/22

+ sign 886.846 $\pm$ 0.128 χ^2 /NDF: 1999605.8/41

All: 874.223 $\pm$ 0.089 χ^2 /NDF: 5678793.2/84

- sign 862.073 $\pm$ 0.125 χ^2 /NDF: 3659979.9/42

reg_asym_right_avg_mean vs Slug



Right In: 1323.759 $\pm$ 218.600 χ^2 /NDF: 13.5/17

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

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

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

+ sign 1138.746 $\pm$ 111.538 χ^2 /NDF: 29.6/42

All: 31.817 $\pm$ 79.303 χ^2 /NDF: 273.7/86

- sign -1099.793 $\pm$ 112.774 χ^2 /NDF: 44.9/43

reg_asym_right_avg_rms vs Slug



Right In: 563.612 $\pm$ 0.155 χ^2 /NDF: 140769.6/17

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

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

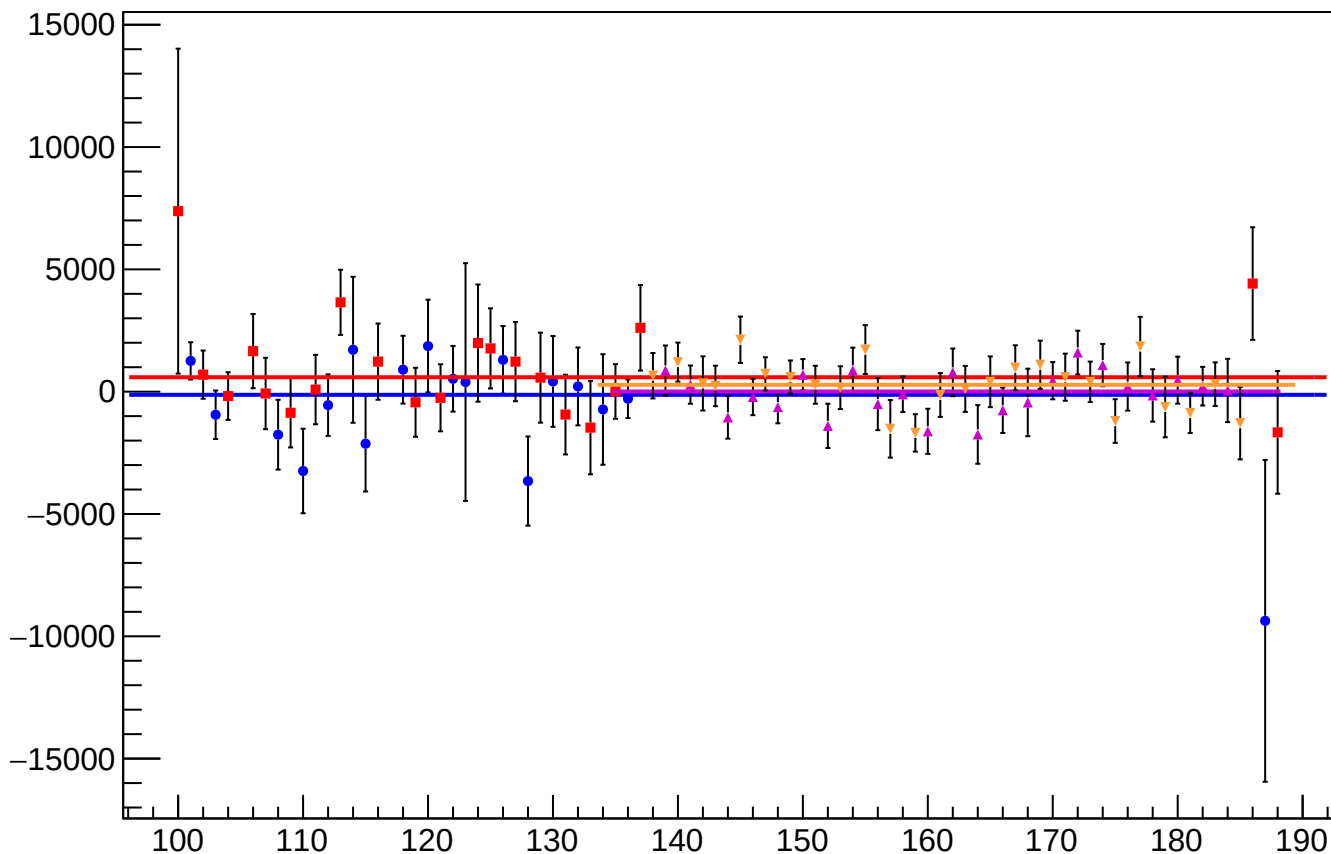
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 559.116 $\pm$ 0.079 χ^2 /NDF: 156665.9/42

All: 559.416 $\pm$ 0.056 χ^2 /NDF: 1596227.7/86

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

asym_right_avg_correction_mean vs Slug



Right In: -127.818 ± 327.859 χ^2/NDF : 19.0/17

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

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

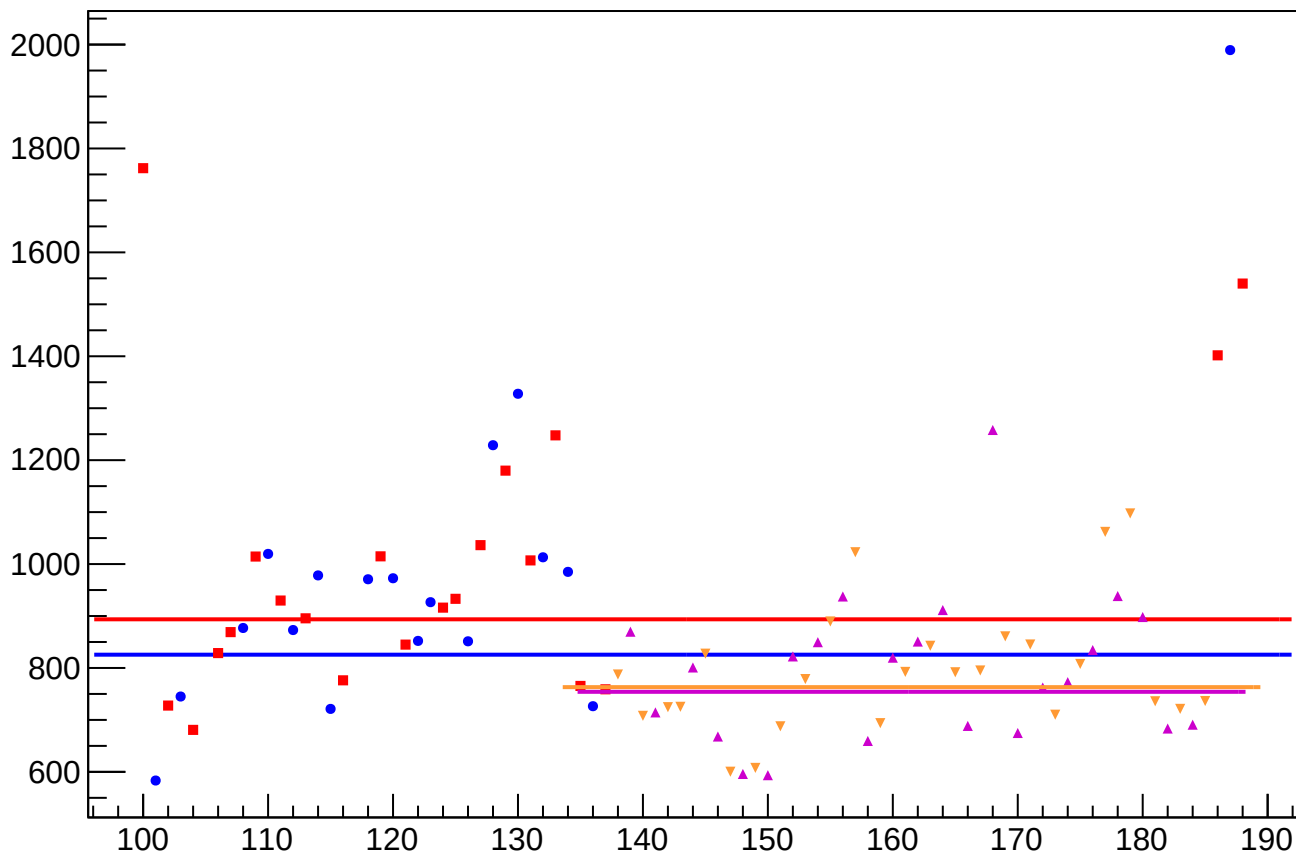
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 186.644 ± 158.069 χ^2/NDF : 46.9/42

All: 167.338 ± 112.419 χ^2/NDF : 87.7/86

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

asym_right_avg_correction_rms vs Slug



Right In: 825.561+/-0.232 χ^2/NDF : 669472.9/17

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

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

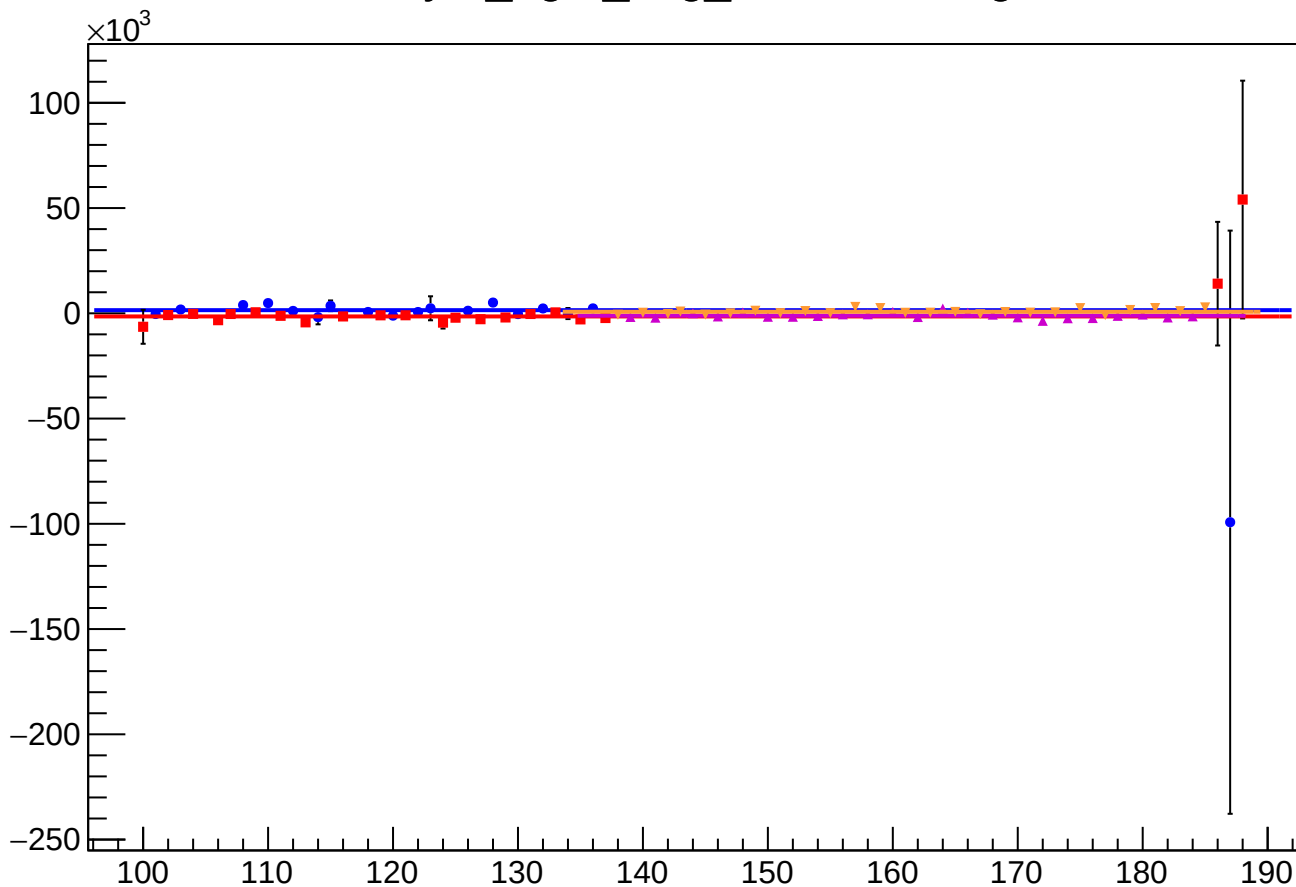
Left In: 754.099+/-0.130 χ^2/NDF : 931829.3/22

+ sign 777.607+/-0.112 χ^2/NDF : 1478917.4/42

All: 782.510+/-0.079 χ^2/NDF : 3339613.5/86

- sign 787.528+/-0.113 χ^2/NDF : 1856803.0/43

asym_right_avg_mean vs Slug



Right In: 1497.116 $\pm$ 402.665 χ^2 /NDF: 17.6/17

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

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

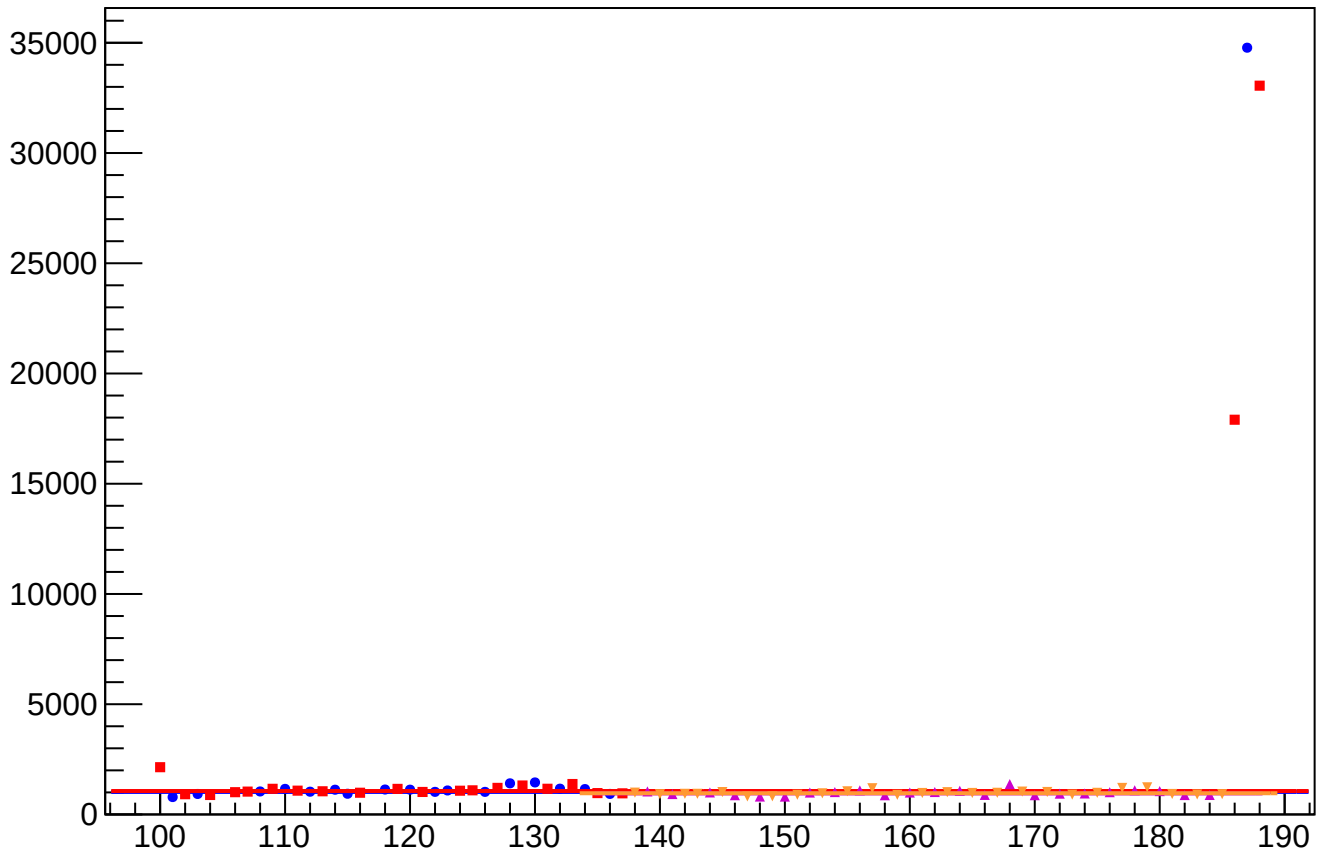
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 920.527 $\pm$ 196.772 χ^2 /NDF: 41.9/42

All: -131.585 $\pm$ 140.098 χ^2 /NDF: 139.1/86

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

asym_right_avg_rms vs Slug



Right In: 1022.311+/-0.285 χ^2/NDF : 461368.6/17

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

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

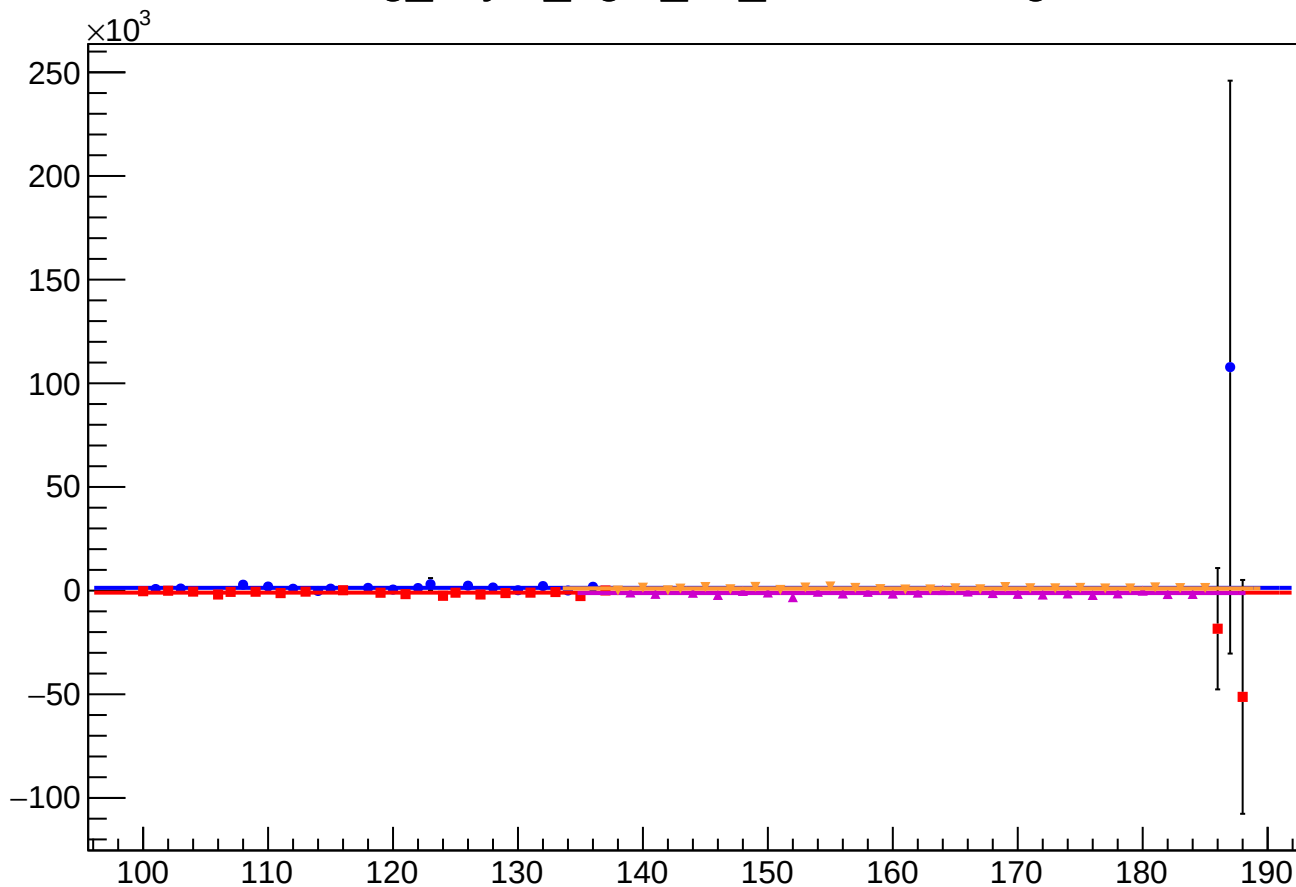
Left In: 954.643+/-0.163 χ^2/NDF : 443395.0/22

+ sign 976.597+/-0.139 χ^2/NDF : 858170.8/42

All: 978.982+/-0.099 χ^2/NDF : 2961212.5/86

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

reg_asym_right_dd_mean vs Slug



Right In: 1345.668 $\pm$ 218.854 χ^2 /NDF: 12.6/17

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

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

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

+ sign 1154.791 $\pm$ 111.655 χ^2 /NDF: 28.6/42

All: 21.817 $\pm$ 79.191 χ^2 /NDF: 282.1/86

- sign -1124.970 $\pm$ 112.334 χ^2 /NDF: 46.3/43

reg_asym_right_dd_rms vs Slug



Right In: 564.264+/-0.155 χ^2/NDF : 140867.6/17

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

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

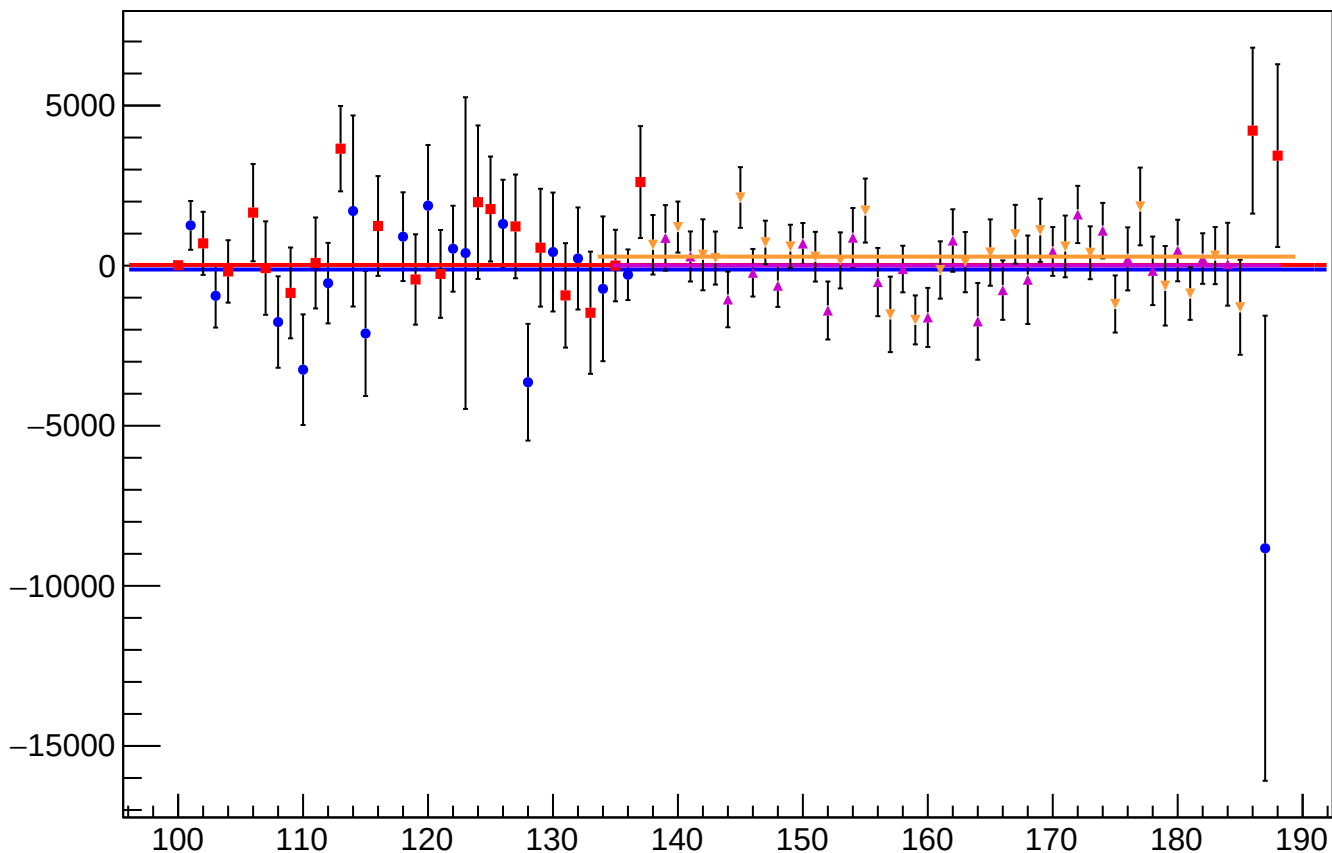
Left In: 557.597+/-0.094 χ^2/NDF : 11276.8/22

+ sign 559.704+/-0.079 χ^2/NDF : 156826.9/42

All: 558.397+/-0.056 χ^2/NDF : 1678591.8/86

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

asym_right_dd_correction_mean vs Slug



Right In: -120.338 $\pm$ 328.031 χ^2 /NDF: 18.5/17

Left Out: 281.402 $\pm$ 180.478 χ^2 /NDF: 26.8/24

Right Out: 21.664 $\pm$ 38.947 χ^2 /NDF: 19.9/20

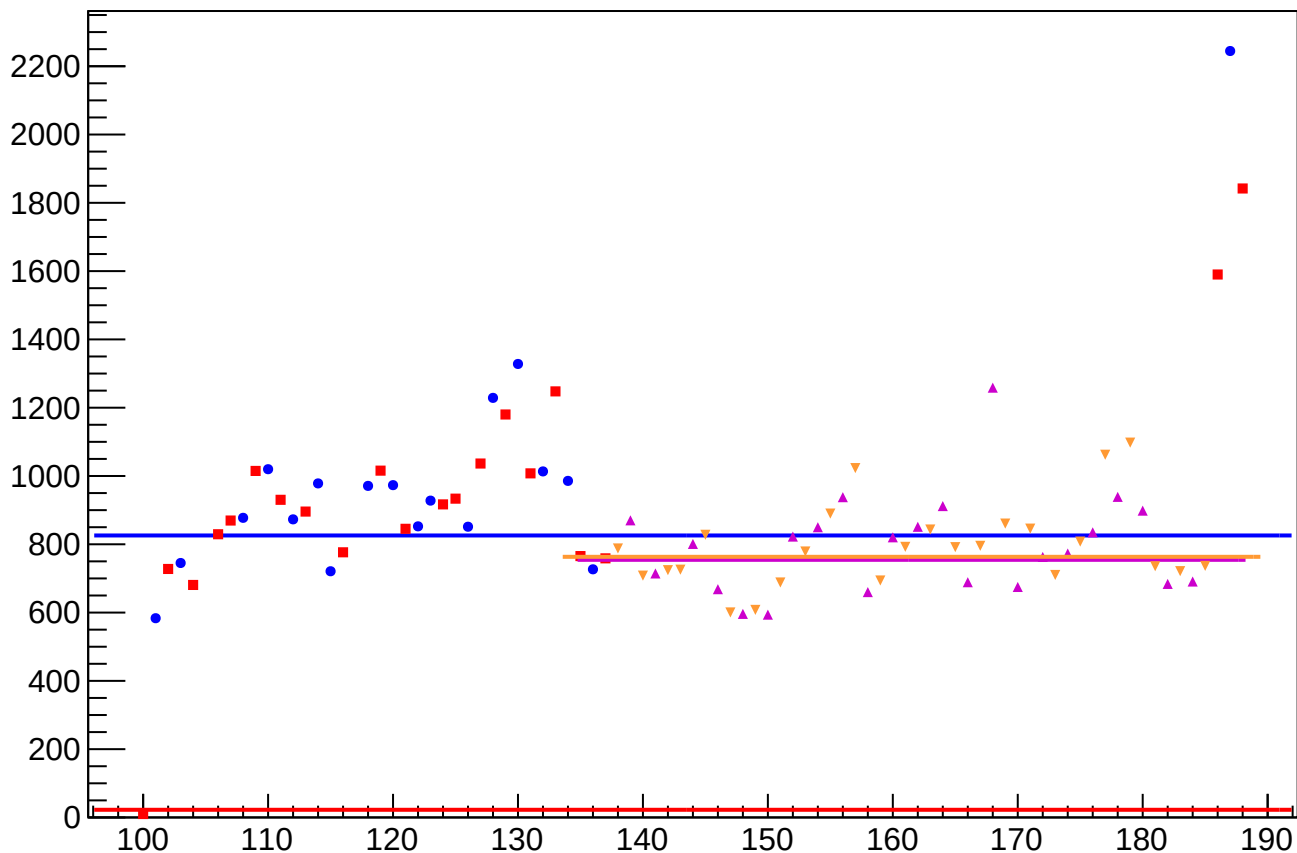
Left In: 7.306 $\pm$ 183.473 χ^2 /NDF: 20.1/22

+ sign 188.051 $\pm$ 158.125 χ^2 /NDF: 46.4/42

All: 30.208 $\pm$ 37.038 χ^2 /NDF: 87.5/86

- sign 21.045 $\pm$ 38.098 χ^2 /NDF: 40.1/43

asym_right_dd_correction_rms vs Slug



Right In: 825.815 $\pm$ 0.232 χ^2 /NDF: 683144.6/17

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

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

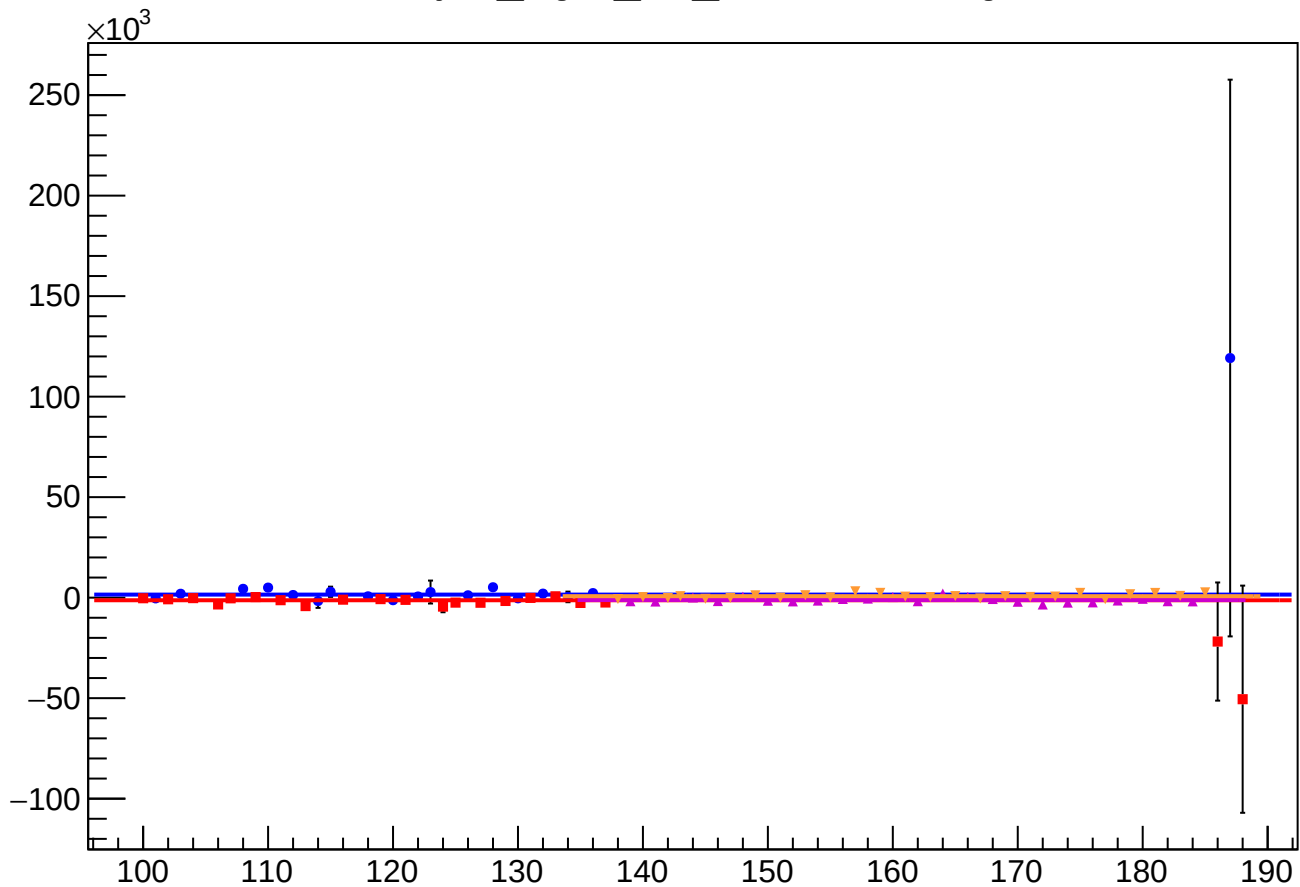
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 777.832 $\pm$ 0.112 χ^2 /NDF: 1492622.0/42

All: 93.740 $\pm$ 0.026 χ^2 /NDF: 87518190.0/86

- sign 54.028 $\pm$ 0.027 χ^2 /NDF: 46419440.3/43

asym_right_dd_mean vs Slug



Right In: 1520.481 $\pm$ 402.889 χ^2 /NDF: 18.5/17

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

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

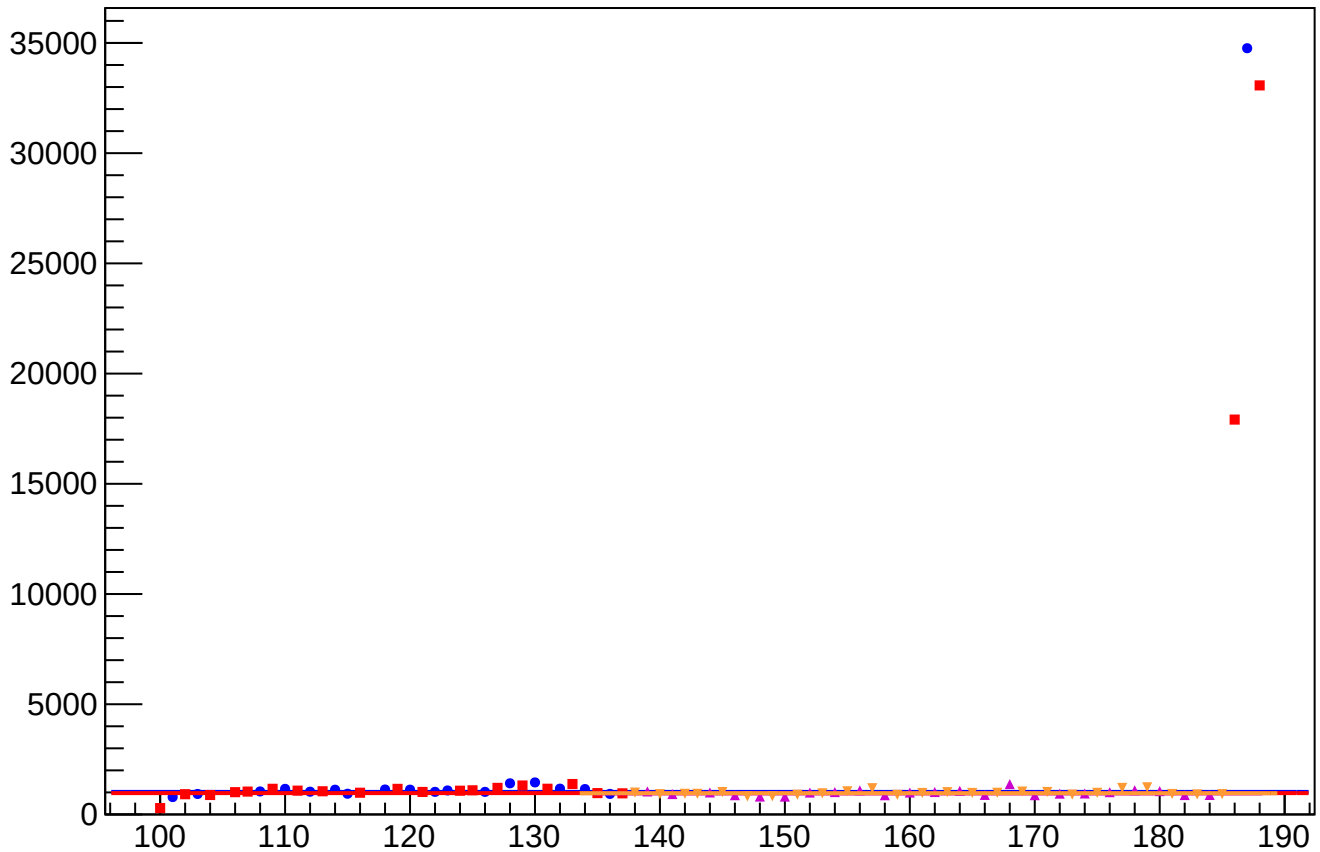
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

+ sign 928.528 $\pm$ 196.879 χ^2 /NDF: 41.6/42

All: -142.176 $\pm$ 139.058 χ^2 /NDF: 138.5/86

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

asym_right_dd_rms vs Slug



Right In: 1022.883 $\pm$ 0.285 χ^2 /NDF: 461252.9/17

Left Out: 962.776 $\pm$ 0.160 χ^2 /NDF: 362837.8/24

Right Out: 968.399 $\pm$ 0.266 χ^2 /NDF: 2397229.0/20

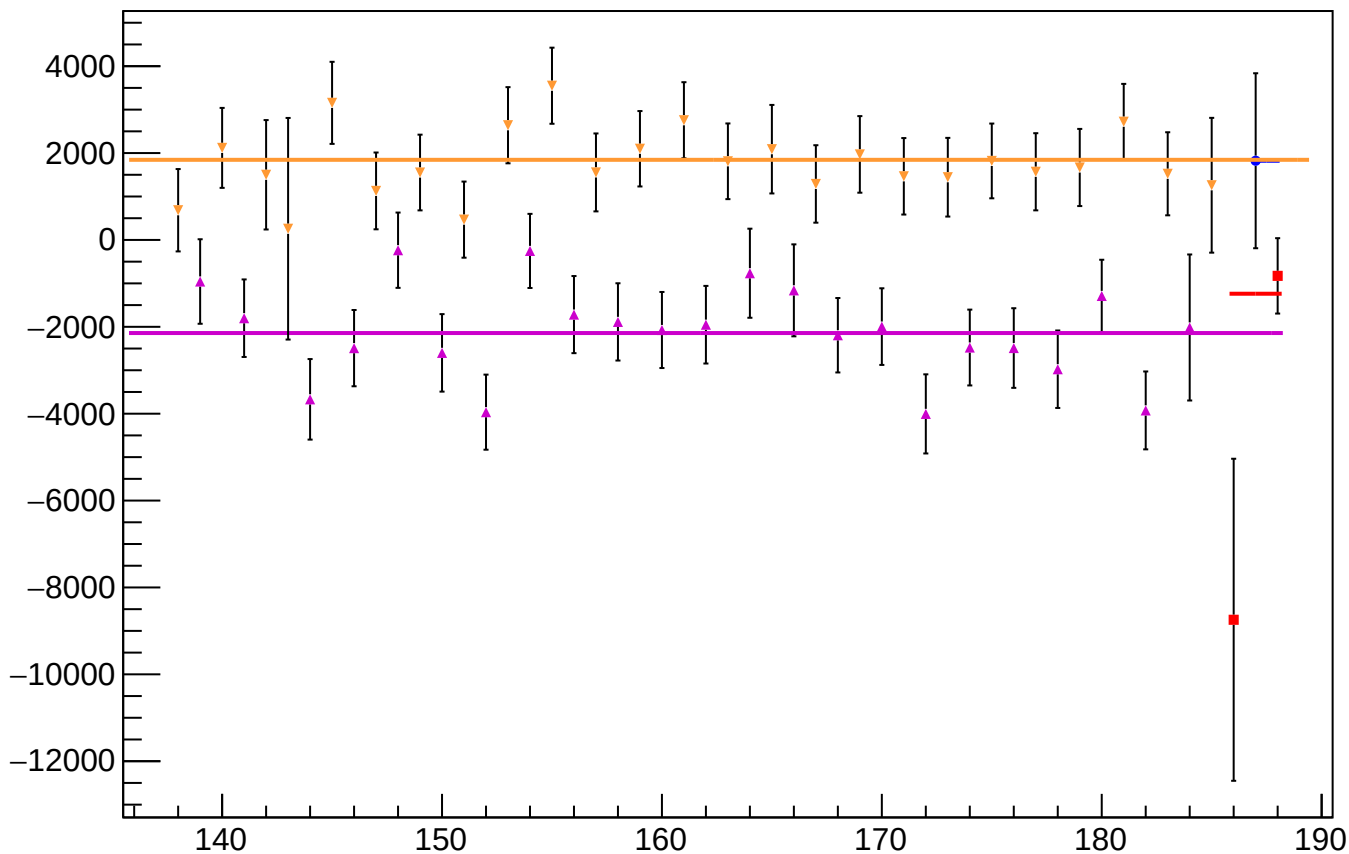
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF: 443068.5/22

+ sign 977.130 $\pm$ 0.139 χ^2 /NDF: 857975.5/42

All: 967.987 $\pm$ 0.098 χ^2 /NDF: 3708632.6/86

- sign 958.885 $\pm$ 0.139 χ^2 /NDF: 2842050.2/43

cor_asym_us_avg_mean vs Slug



Right In: 1823.087 $\pm$ 2014.025 χ^2 /NDF: 0.0/0

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

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

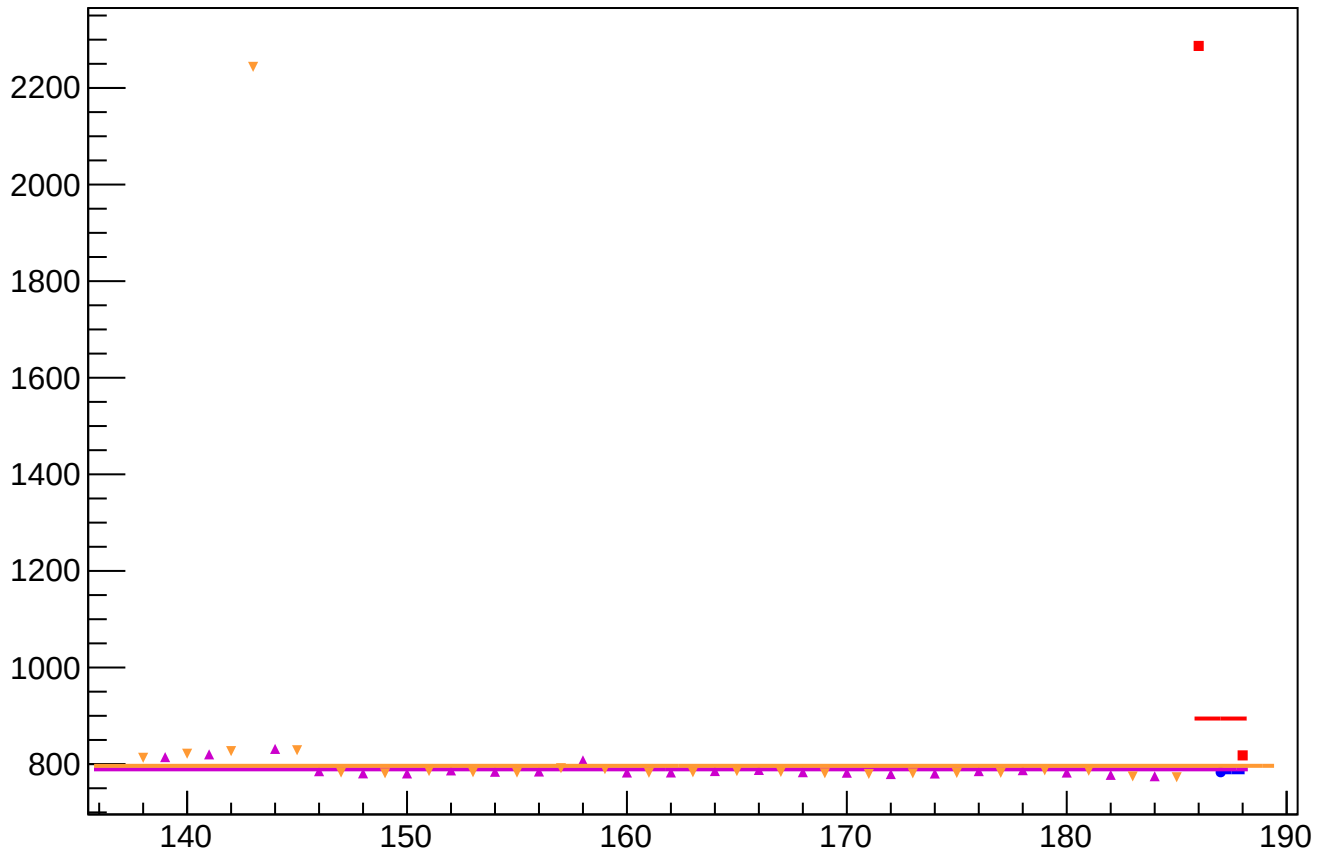
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ sign 1844.179 $\pm$ 186.109 χ^2 /NDF: 15.4/25

All: -134.145 $\pm$ 131.384 χ^2 /NDF: 278.4/50

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

cor_asym_us_avg_rms vs Slug



Right In: 783.103 $\pm$ 1.424 χ^2/NDF : 0.0/0

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

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

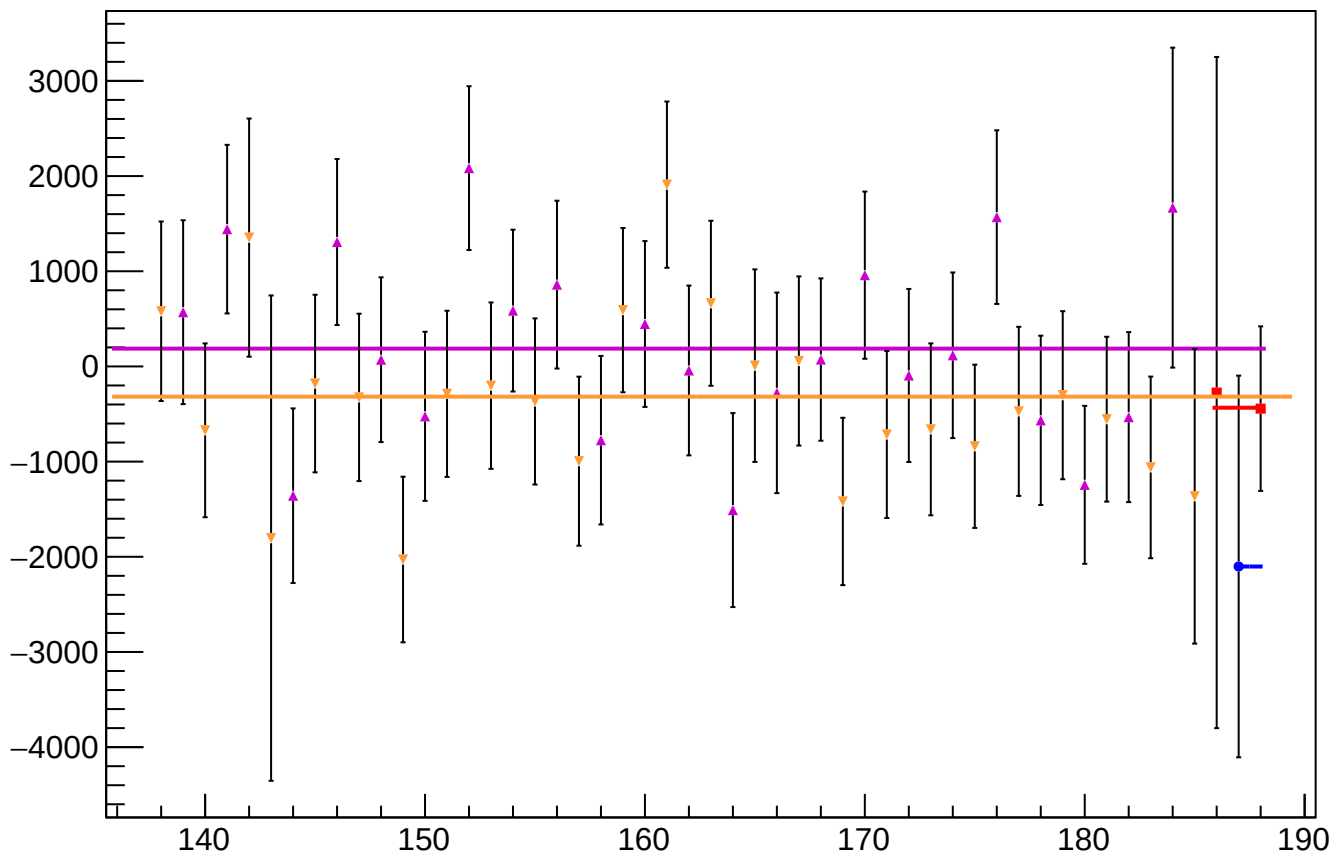
Left In: 789.176 $\pm$ 0.134 χ^2/NDF : 10860.4/22

+ sign 796.356 $\pm$ 0.132 χ^2/NDF : 658816.8/25

All: 795.298 $\pm$ 0.093 χ^2/NDF : 997073.2/50

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

cor_asym_us_dd_mean vs Slug



Right In: -2101.966+/-2004.996 χ^2/NDF : 0.0/0

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

Right Out: -433.853+/-839.412 χ^2/NDF : 0.0/1

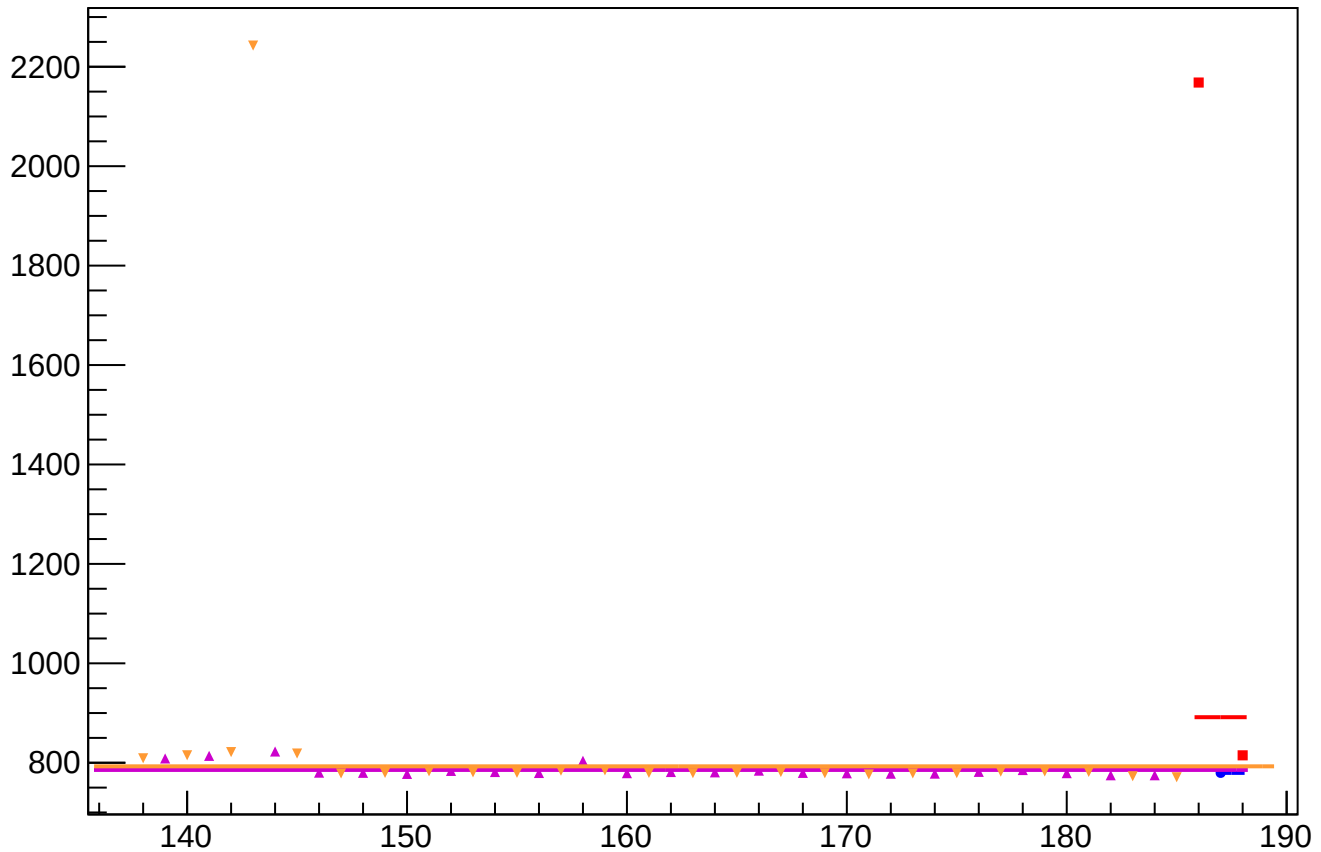
Left In: 187.105+/-189.265 χ^2/NDF : 25.6/22

+ sign -332.844+/-185.249 χ^2/NDF : 21.1/25

All: -87.071+/-130.772 χ^2/NDF : 50.7/50

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

cor_asym_us_dd_rms vs Slug



Right In: 779.630 $\pm$ 1.418 χ^2 /NDF: 0.0/0

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

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

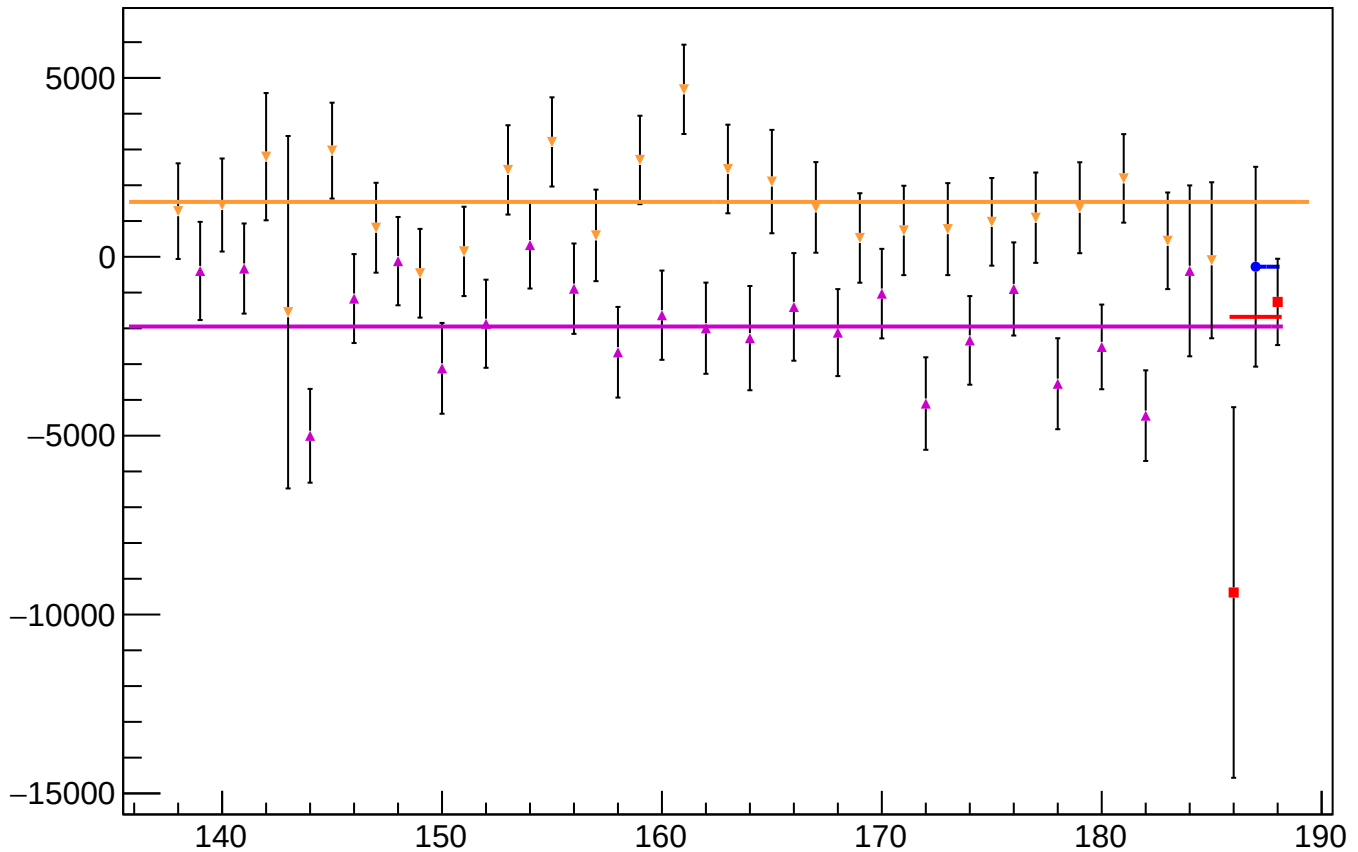
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

+ sign 792.698 $\pm$ 0.131 χ^2 /NDF: 659594.4/25

All: 791.693 $\pm$ 0.092 χ^2 /NDF: 977065.6/50

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

cor_asym_usl_mean vs Slug



Right In: -277.259+/-2793.160 χ^2/NDF : 0.0/0

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

Right Out: -1678.820+/-1174.777 χ^2/NDF : 2.3/1

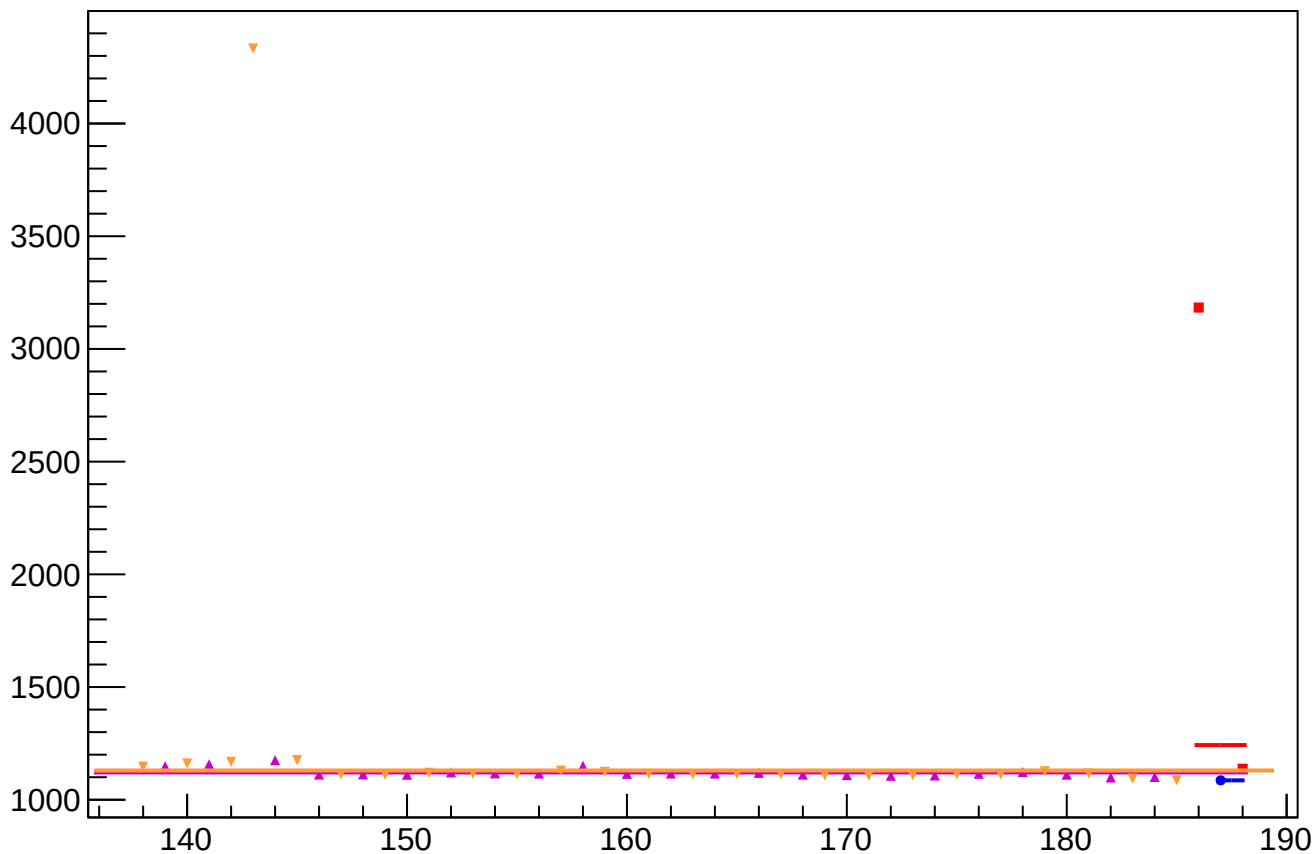
Left In: -1949.077+/-270.080 χ^2/NDF :26.8/22

+ sign 1518.447+/-264.694 χ^2/NDF : 20.7/25

All: -218.215+/-186.641 χ^2/NDF : 135.5/50

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

cor_asym_usl_rms vs Slug



Right In: 1086.094 $\pm$ 1.975 χ^2 /NDF: 0.0/0

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

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

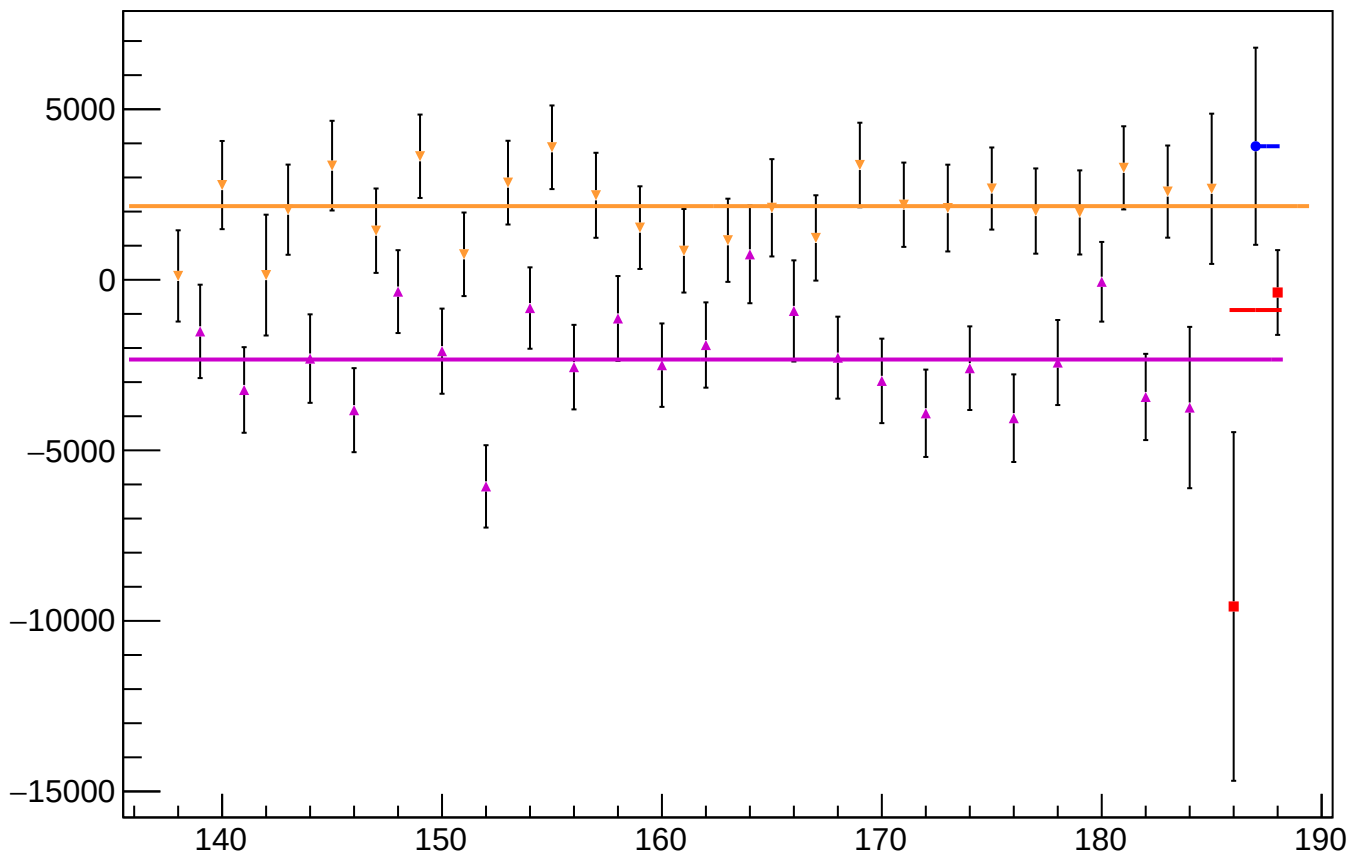
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

+ sign 1129.543 $\pm$ 0.187 χ^2 /NDF: 858758.2/25

All: 1128.308 $\pm$ 0.132 χ^2 /NDF: 1184523.8/50

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

cor_asym_usr_mean vs Slug



Right In: 3915.502 $\pm$ 2889.951 χ^2 /NDF: 0.0/0

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

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

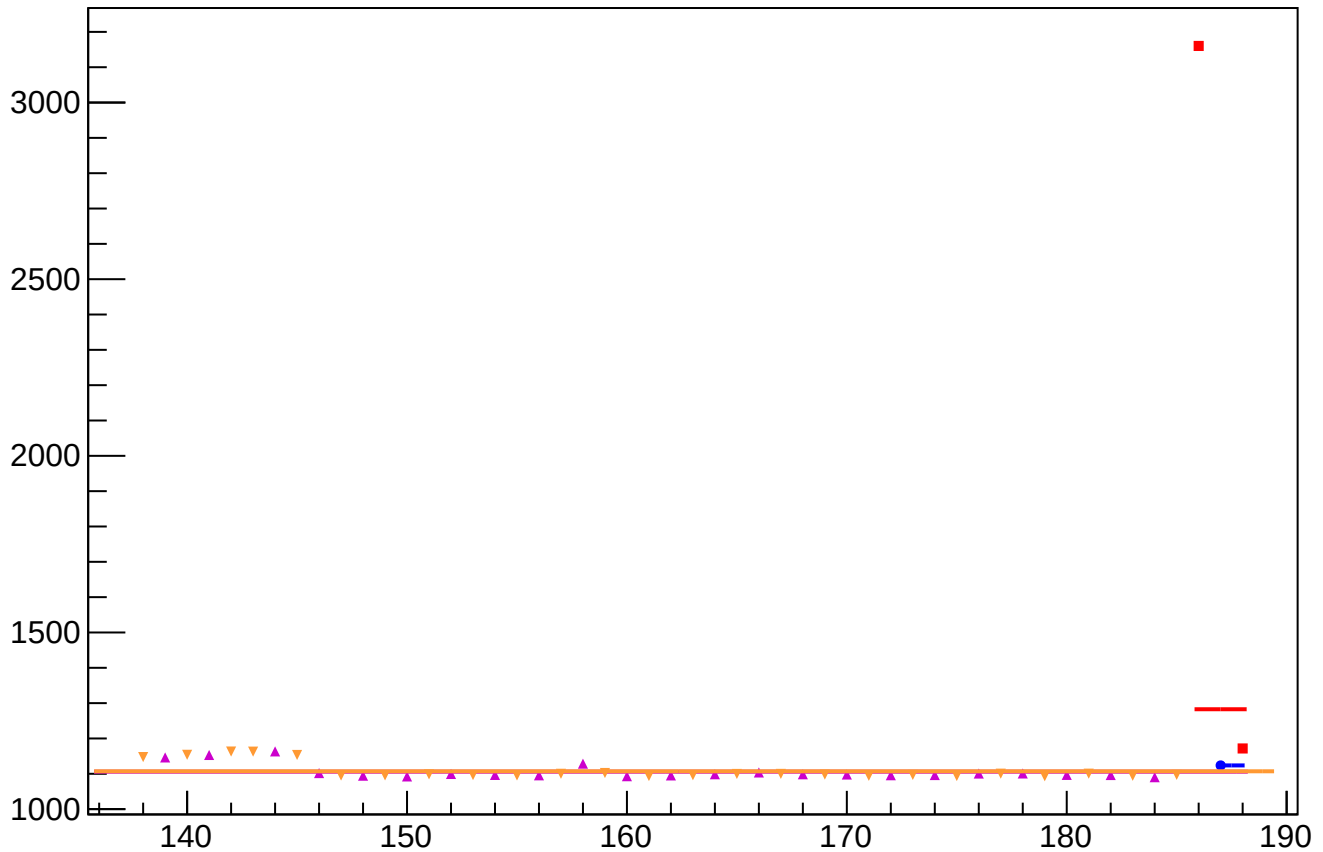
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

+ sign 2173.710 $\pm$ 256.509 χ^2 /NDF: 15.3/25

All: -16.267 $\pm$ 182.674 χ^2 /NDF: 199.0/50

- sign -2269.873 $\pm$ 260.209 χ^2 /NDF: 35.8/24

cor_asym_usr_rms vs Slug



Right In: 1123.711 $\pm$ 2.044 χ^2/NDF : 0.0/0

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

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

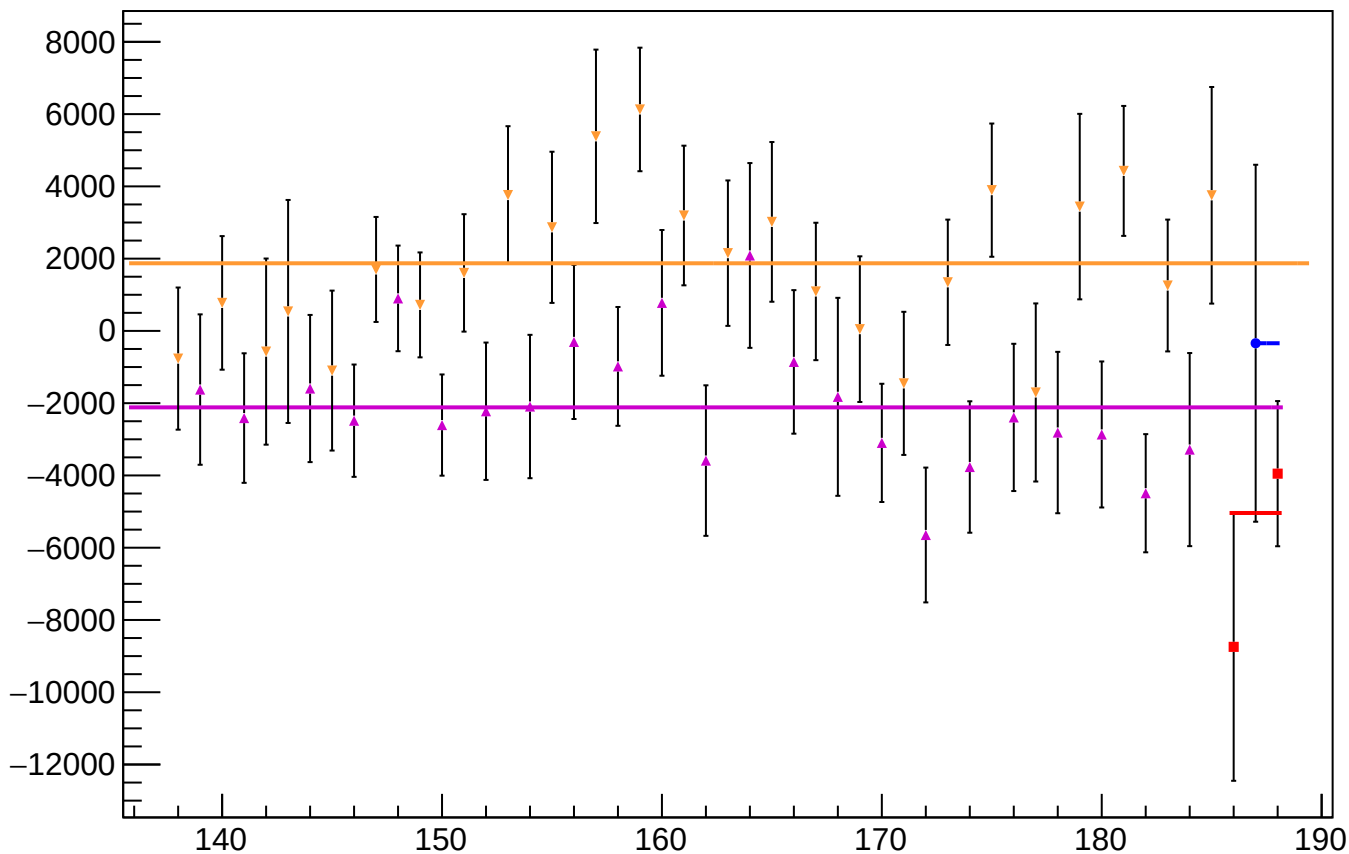
Left In: 1105.955 $\pm$ 0.188 χ^2/NDF : 11111.3/22

+ sign 1107.222 $\pm$ 0.181 χ^2/NDF : 15250.8/25

All: 1110.642 $\pm$ 0.129 χ^2/NDF : 353793.2/50

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

asym_us_agg_avg_mean vs Slug



Right In: -341.335 ± 4939.699 χ^2/NDF : 0.0/0

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

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

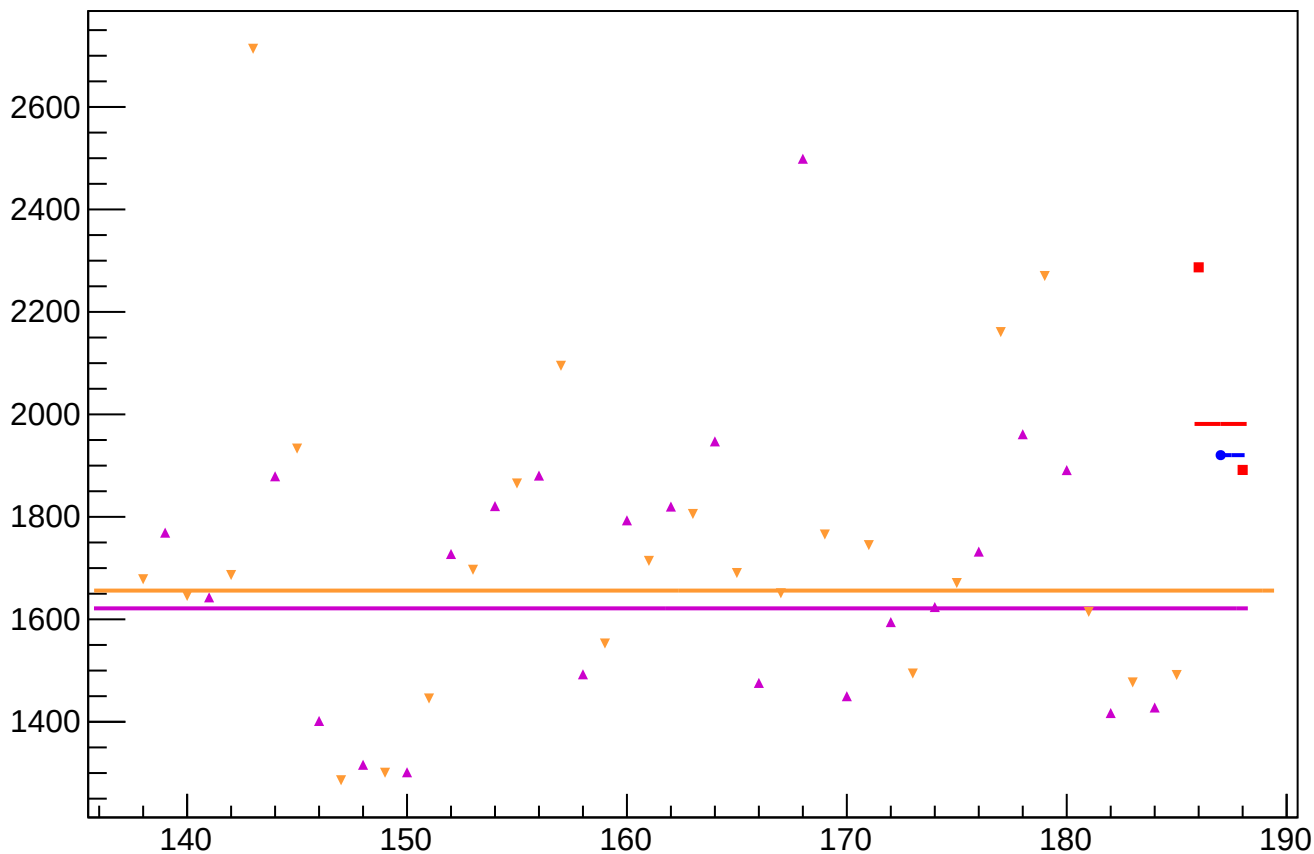
Left In: -2116.114 ± 392.997 χ^2/NDF : 18.8/22

+ sign 1857.811 ± 390.458 χ^2/NDF : 26.3/25

All: -234.420 ± 273.645 χ^2/NDF : 105.4/50

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

asym_us_agg_avg_rms vs Slug



Right In: 1920.453+/-3.493 χ^2/NDF : 0.0/0

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

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

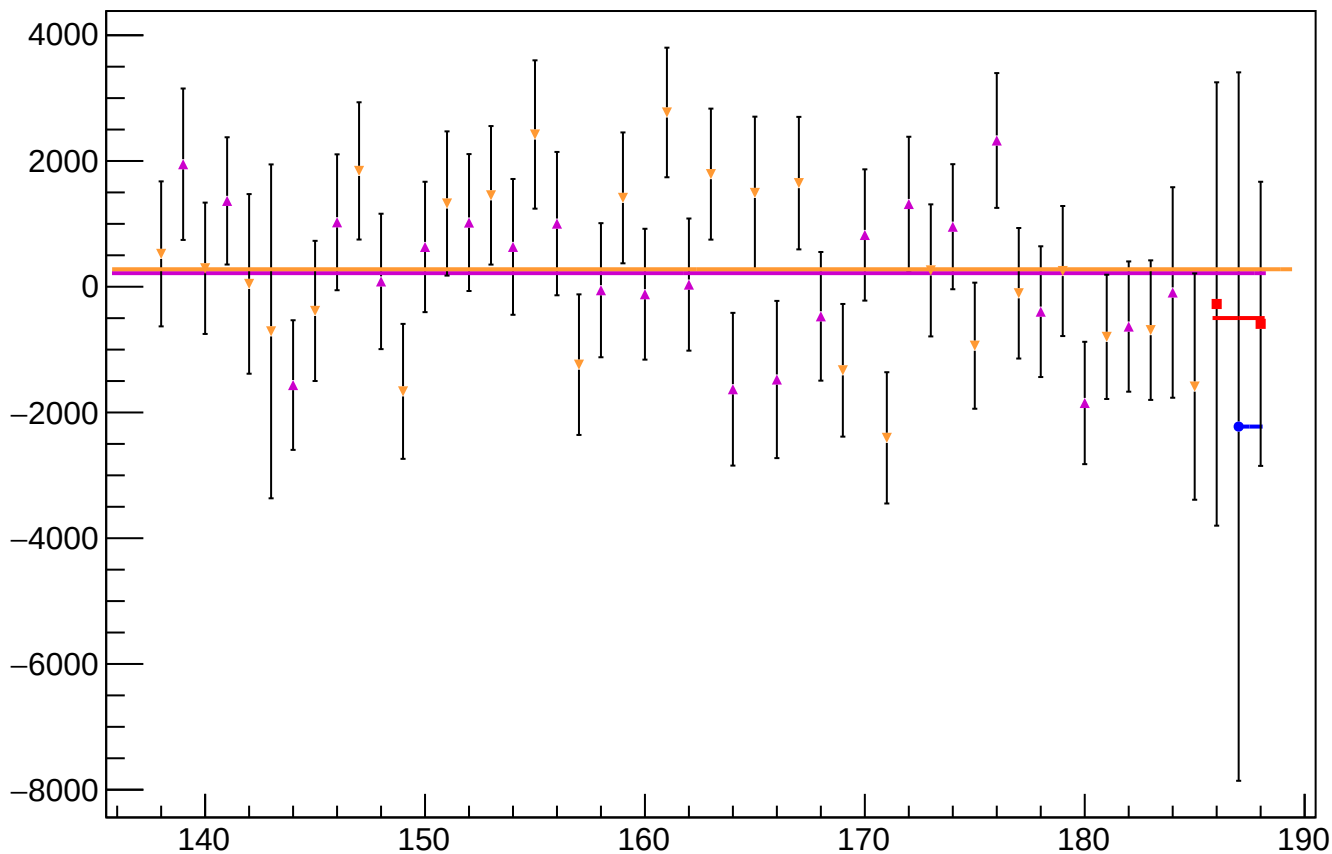
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1657.771+/-0.276 χ^2/NDF : 916264.7/25

All: 1647.911+/-0.193 χ^2/NDF : 1790806.1/50

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

asym_us_agg_dd_mean vs Slug



Right In: -2224.307 ± 5634.016 χ^2/NDF : 0.0/0

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

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

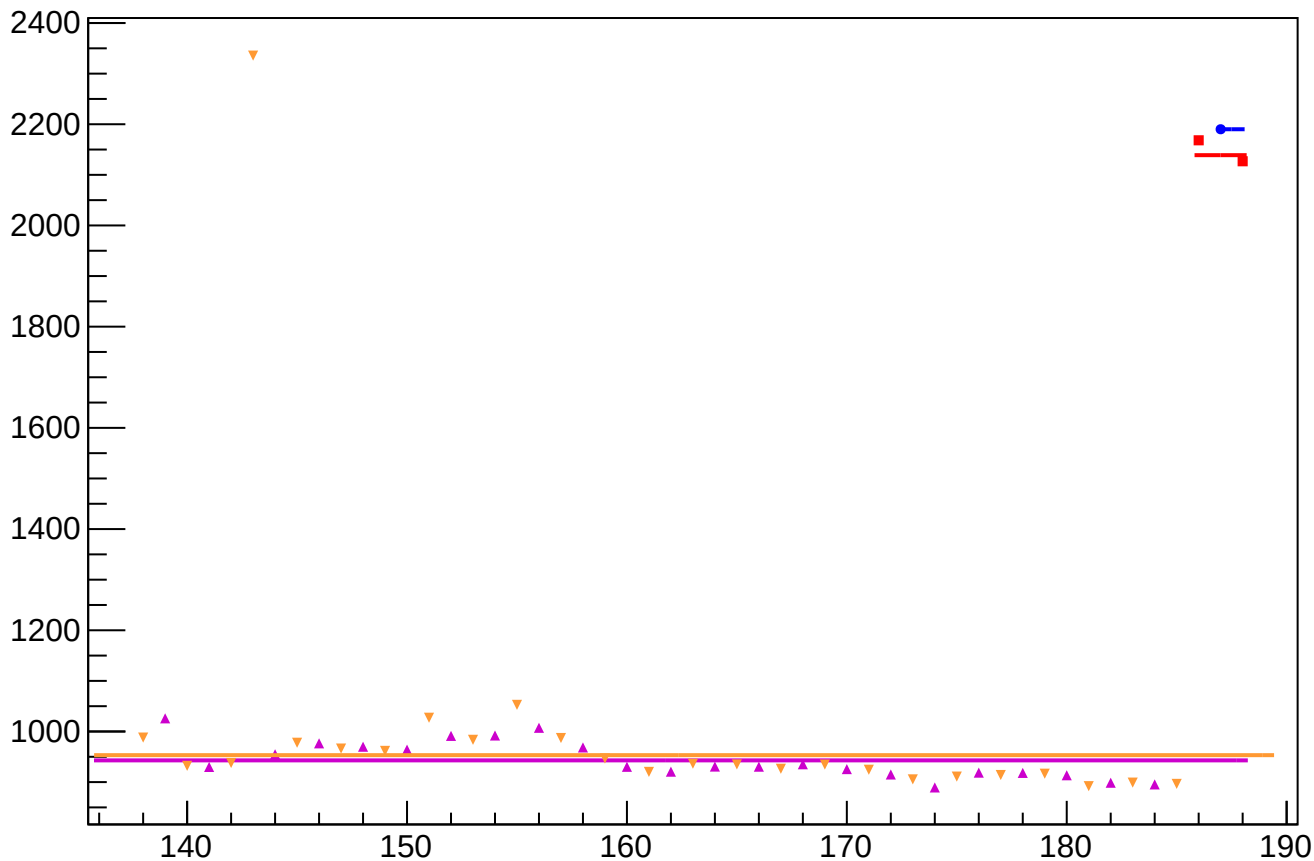
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 274.156 ± 223.405 χ^2/NDF : 38.6/25

All: 240.281 ± 158.192 χ^2/NDF : 63.2/50

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

asym_us_agg_dd_rms vs Slug



Right In: 2190.105+/-3.984 χ^2/NDF : 0.0/0

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

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

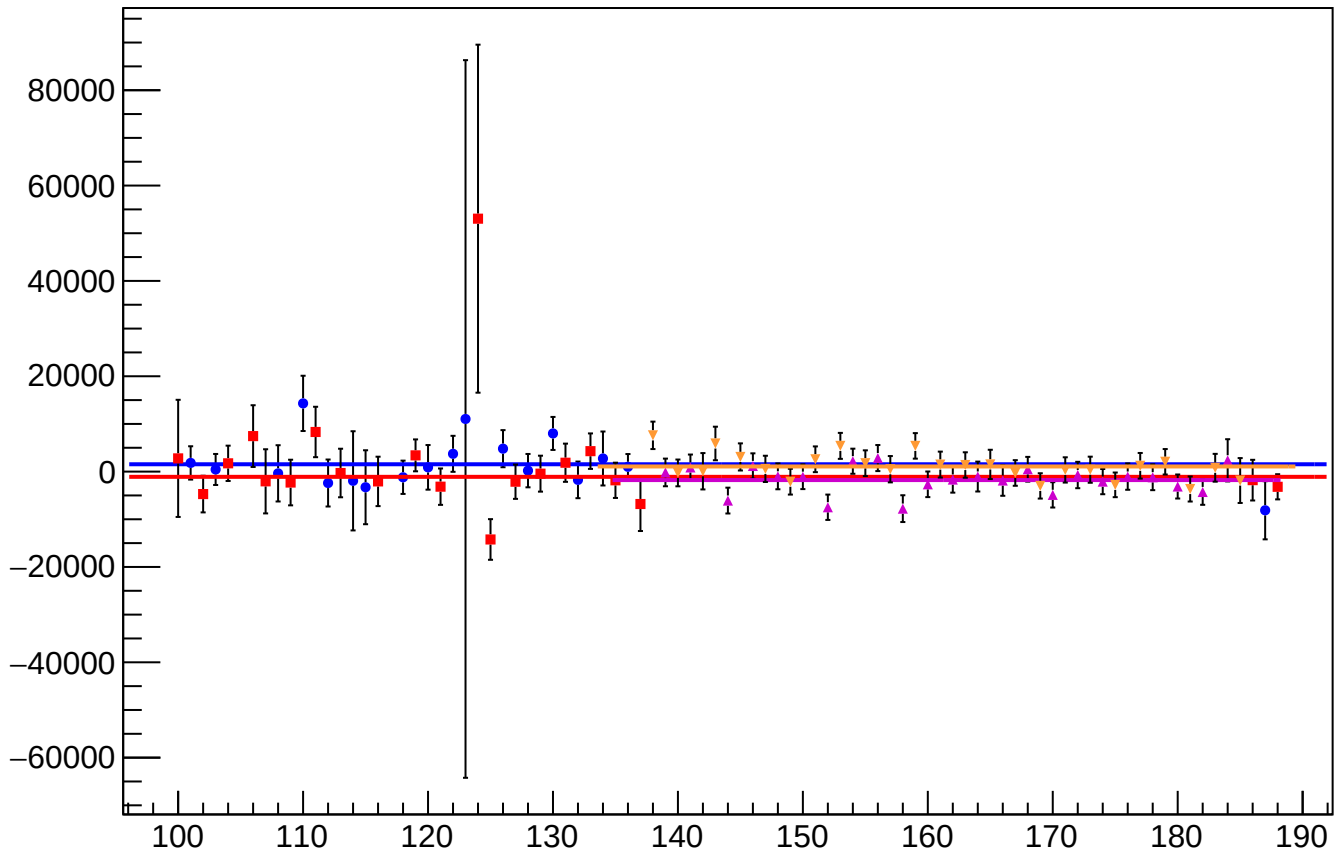
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 955.166+/-0.158 χ^2/NDF : 702515.9/25

All: 957.332+/-0.112 χ^2/NDF : 1530836.5/50

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

reg_asym_atl1_mean vs Slug



Right In: 1540.081+/-1002.051 χ^2/NDF : 14.9/17

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

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

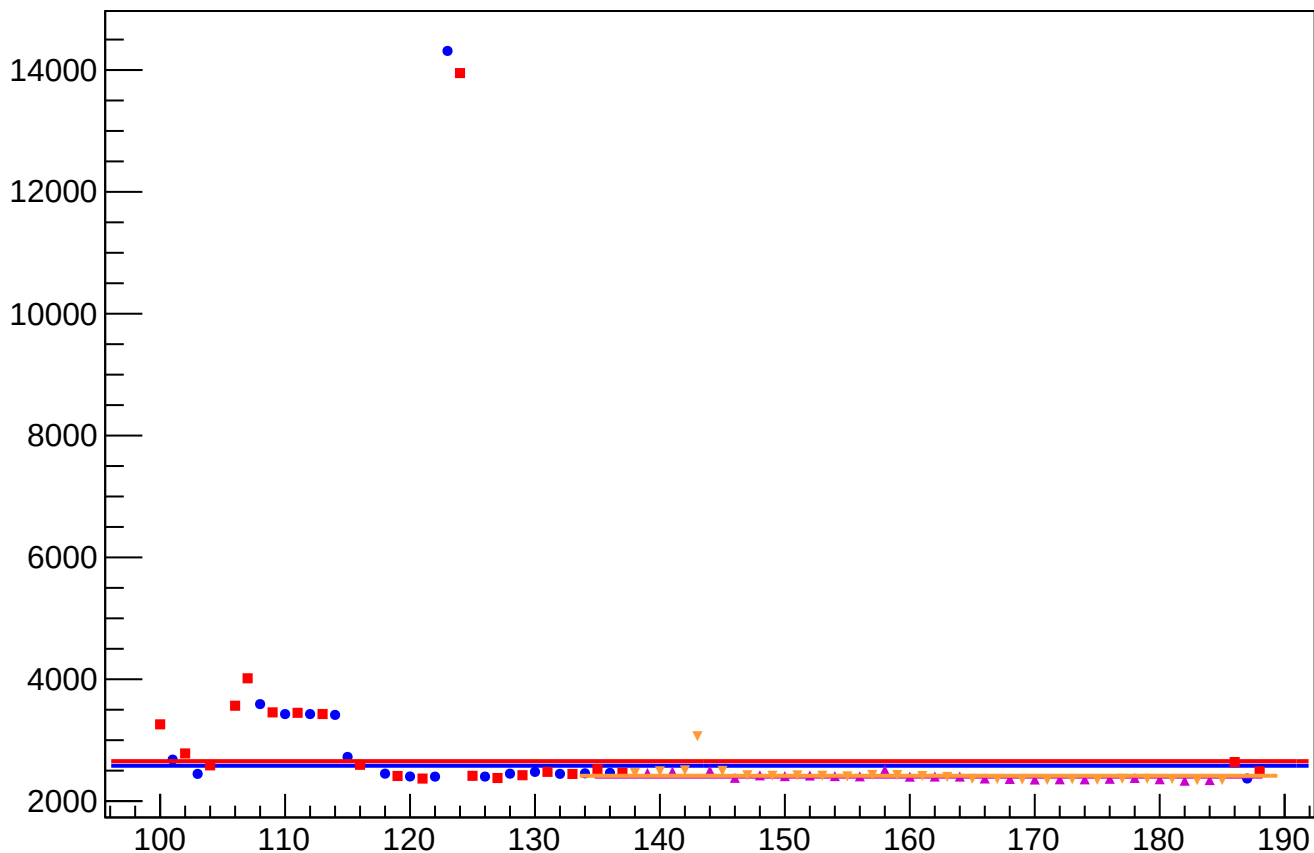
Left In: -1777.100+/-575.895 χ^2/NDF : 24.1/22

+ sign 1189.211+/-491.499 χ^2/NDF : 38.6/42

All: -203.972+/-347.071 χ^2/NDF : 104.0/86

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

reg_asym_atl1_rms vs Slug



Right In: 2580.581+/-0.709 χ^2/NDF : 256278.6/17

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

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

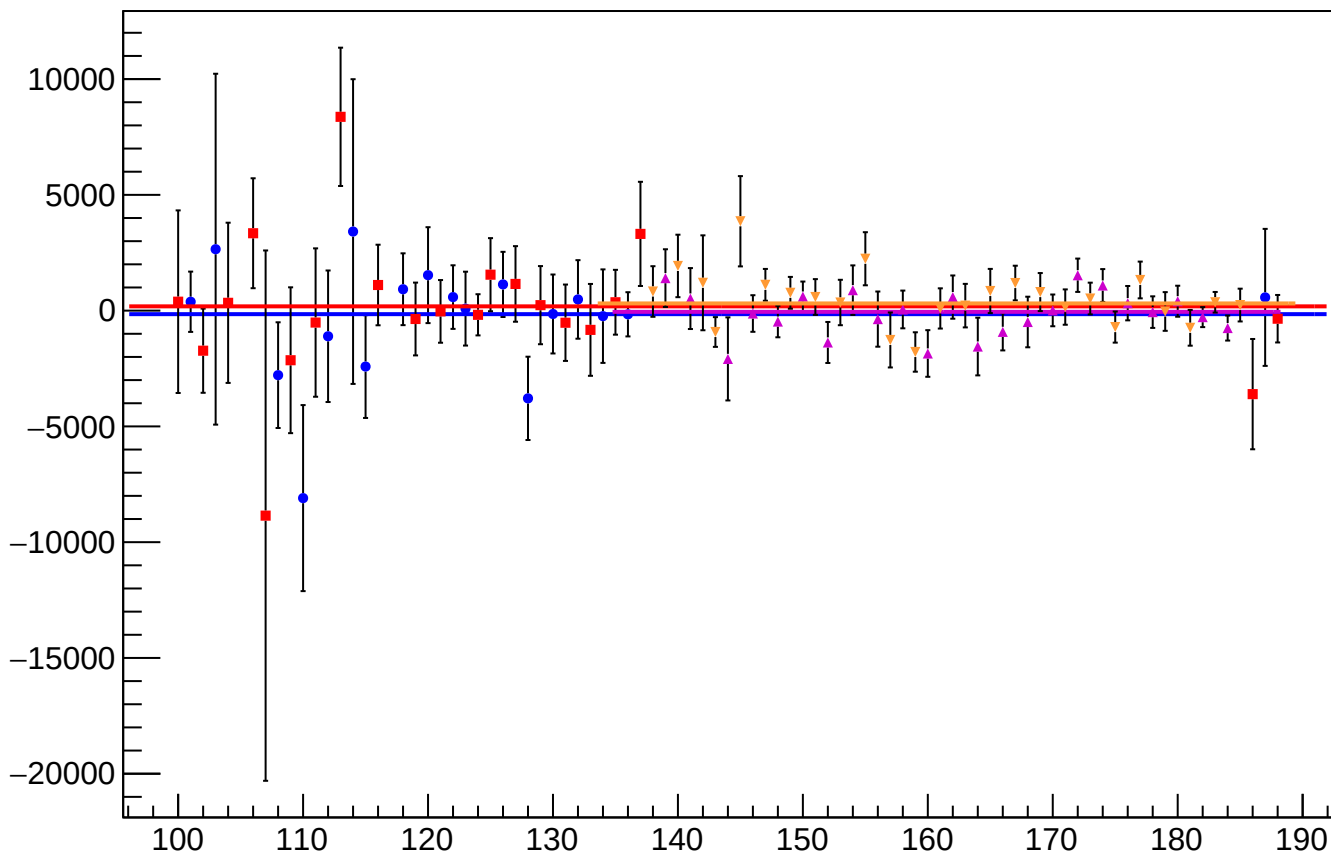
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2455.610+/-0.348 χ^2/NDF : 379877.5/42

All: 2463.601+/-0.245 χ^2/NDF : 1040648.0/86

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

asym_atl1_correction_mean vs Slug



Right In: -152.111 ± 417.177 χ^2/NDF : 13.6/17

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

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

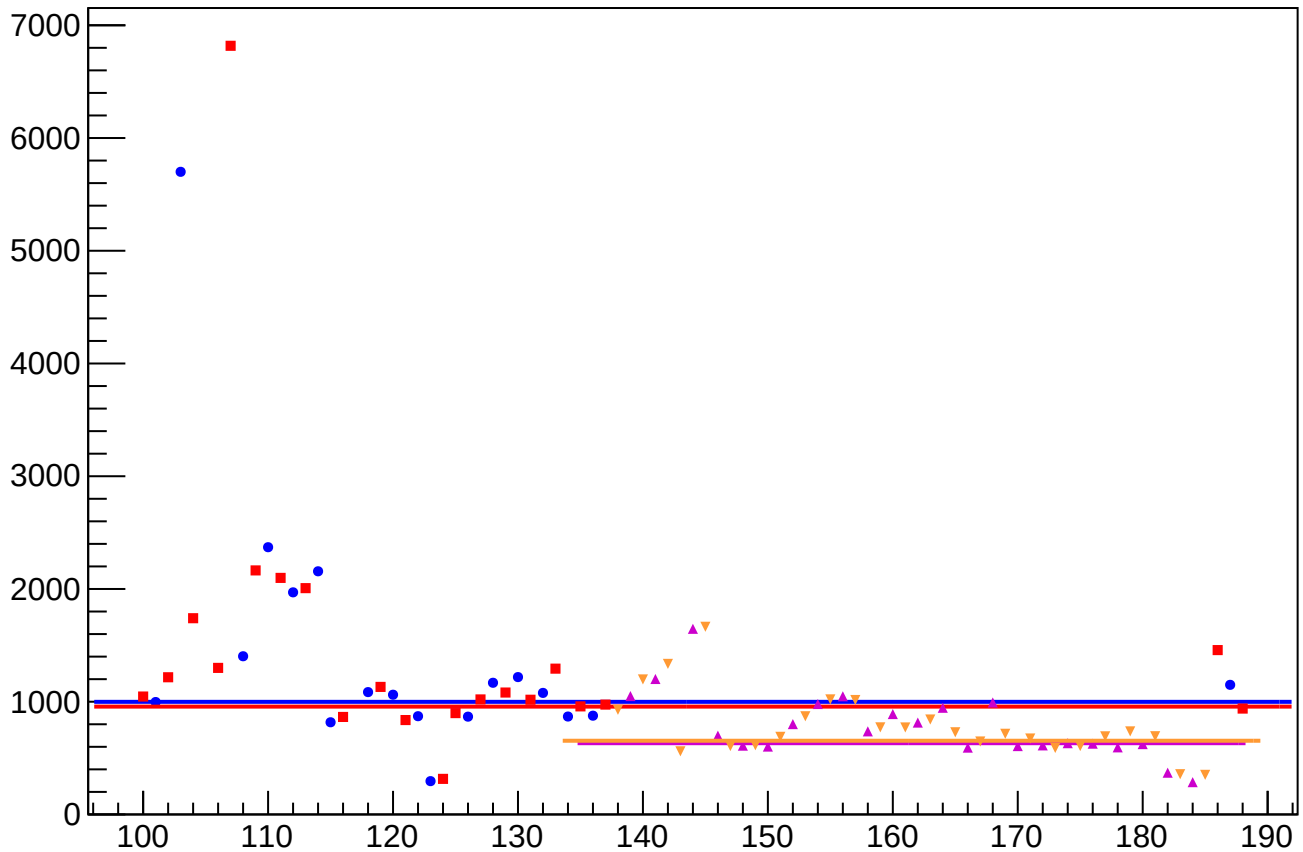
Left In: -51.454 ± 161.744 χ^2/NDF : 23.8/22

+ sign 251.082 ± 149.918 χ^2/NDF : 44.4/42

All: 117.077 ± 105.531 χ^2/NDF : 88.7/86

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

asym_atl1_correction_rms vs Slug



Right In: 998.931 ± 0.295 χ^2/NDF : 1908298.0/17

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

Right Out: 956.634 ± 0.266 χ^2/NDF : 2757358.5/20

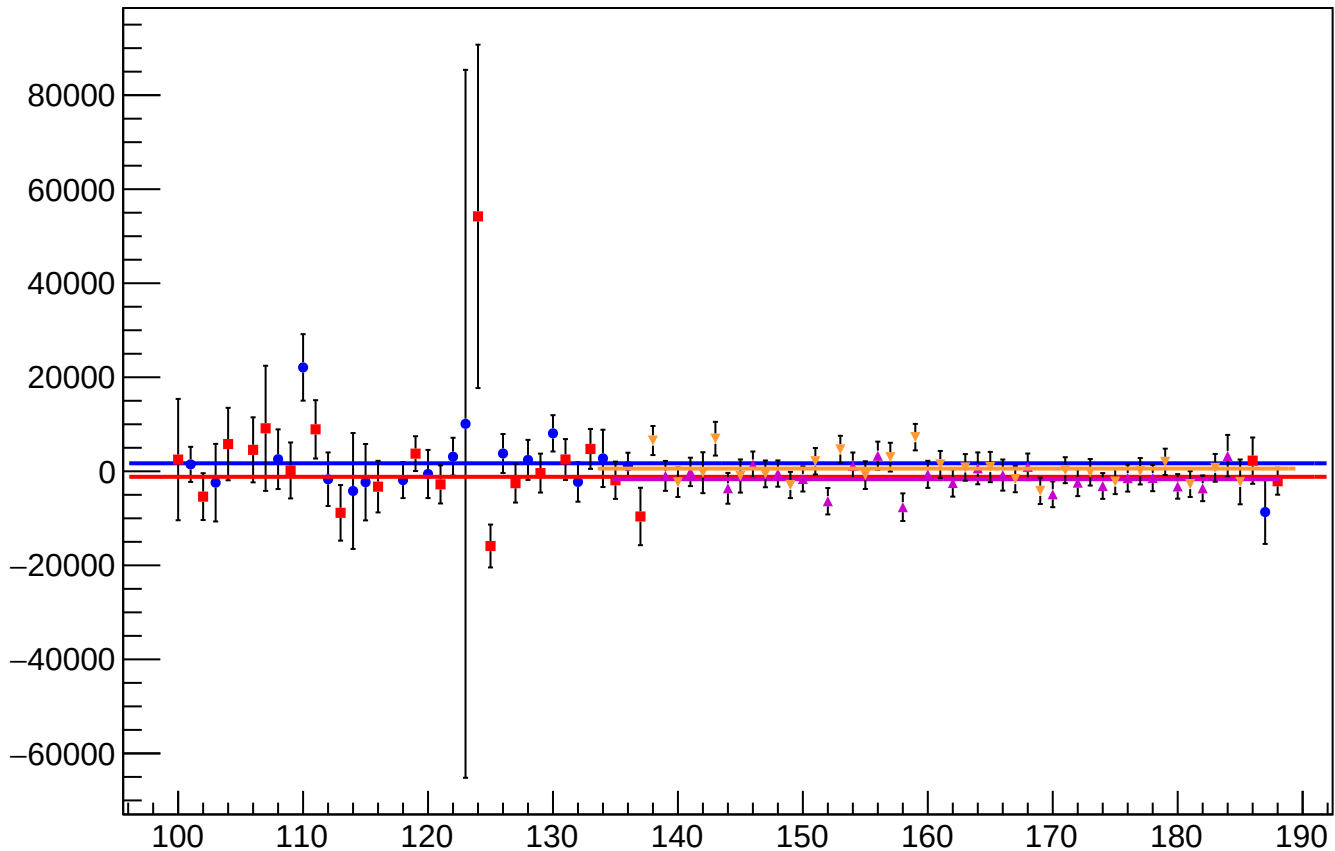
Left In: 632.053 ± 0.114 χ^2/NDF : 3942853.4/22

+ sign 698.373 ± 0.106 χ^2/NDF : 6355052.0/42

All: 690.490 ± 0.075 χ^2/NDF : 14324129.1/80

- sign 682.746 ± 0.105 χ^2/NDF : 7958114.0/43

asym_atl1_mean vs Slug



Right In: 1703.807+/-1146.820 χ^2/NDF : 16.9/17

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

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

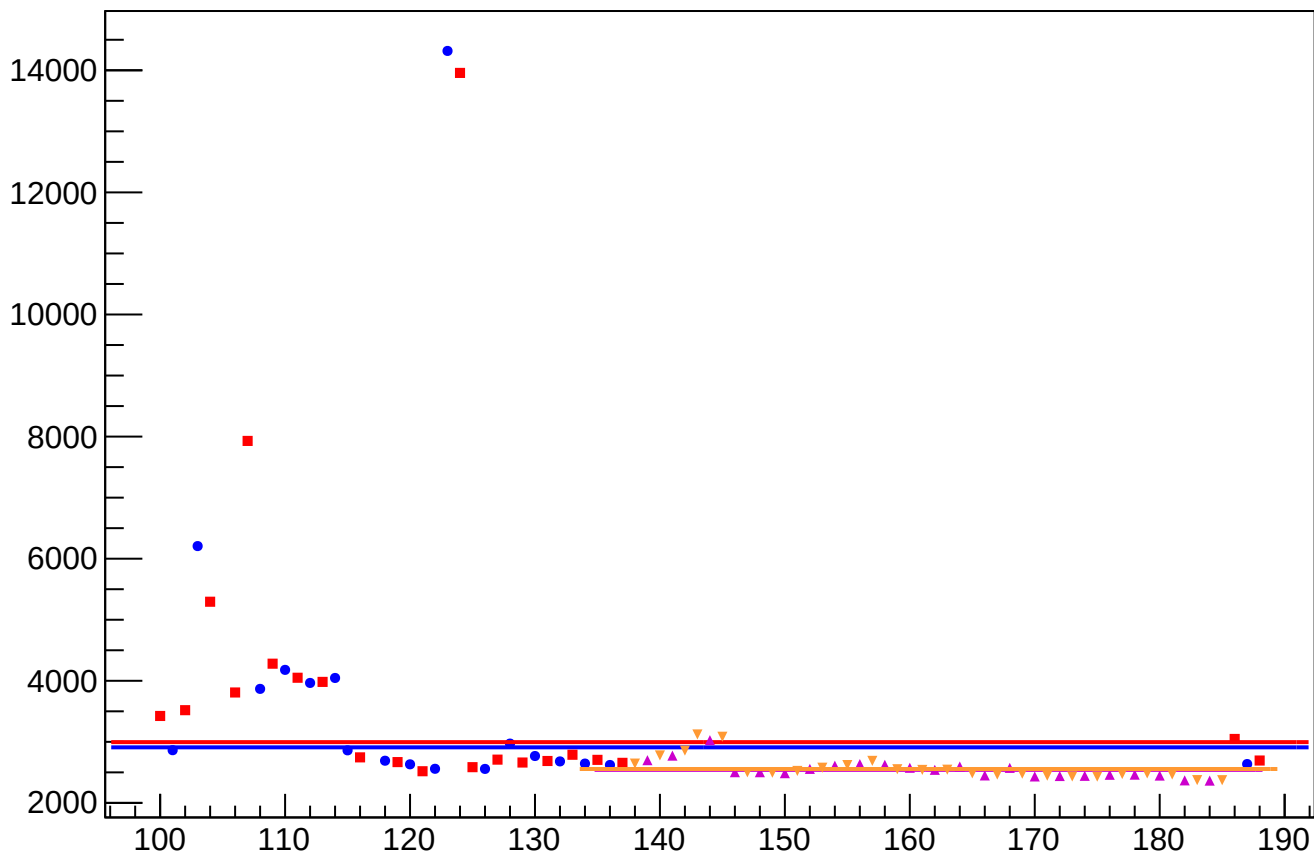
Left In: -1679.572+/-610.111 χ^2/NDF : 18.2/22

+ sign 820.412+/-529.666 χ^2/NDF : 43.0/42

All: -365.920+/-374.781 χ^2/NDF : 98.8/86

- sign -1555.440+/-530.377 χ^2/NDF : 45.8/43

asym_atl1_rms vs Slug



Right In: 2909.951+/-0.811 χ^2 /NDF: 640067.7/17

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

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

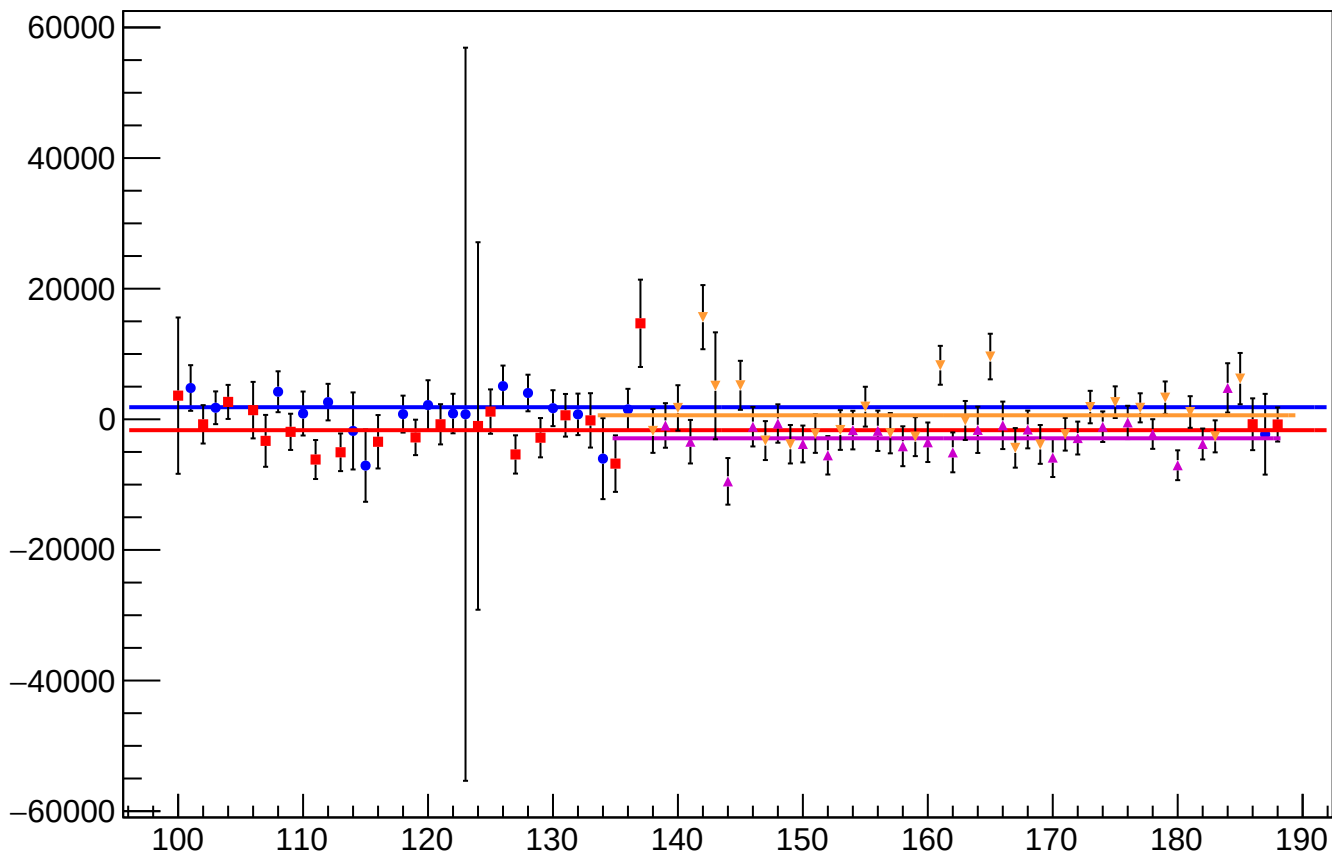
Left In: 2540.988+/-0.431 χ^2 /NDF:94756.7/22

+ sign 2630.935+/-0.375 χ^2 /NDF: 945297.3/42

All: 2641.436+/-0.265 χ^2 /NDF: 2345054.8/86

- sign 2651.966+/-0.375 χ^2 /NDF: 1398183.0/43

reg_asym_atl2_mean vs Slug



Right In: 1852.374 ± 806.660 χ^2/NDF : 8.5/17

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

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

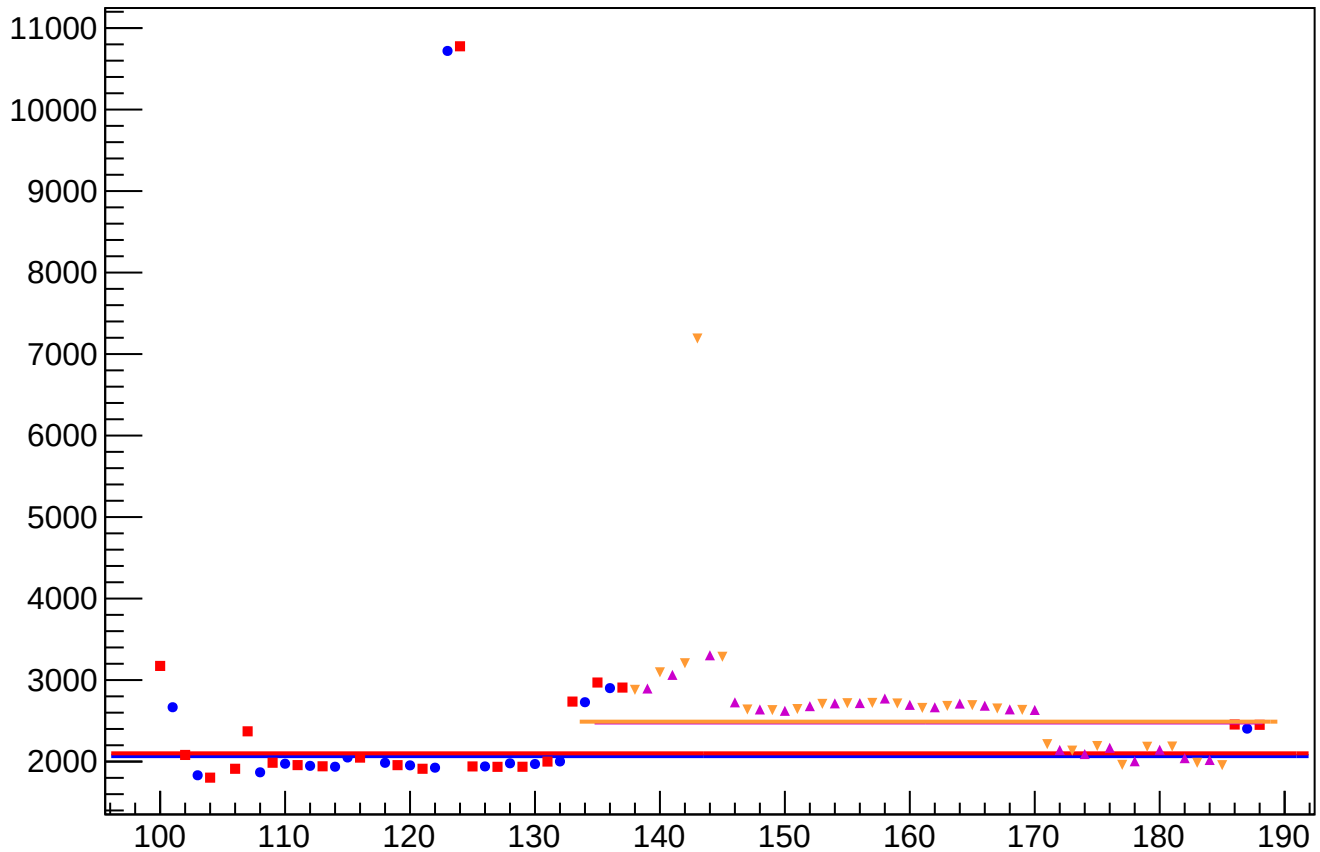
Left In: -2909.108 ± 599.673 χ^2/NDF : 17.4/22

+ sign 1047.253 ± 476.818 χ^2/NDF : 55.3/42

All: -722.338 ± 333.669 χ^2/NDF : 119.7/86

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

reg_asym_atl2_rms vs Slug



Right In: 2066.566 $\pm$ 0.570 χ^2 /NDF: 323664.3/17

Left Out: 2489.577 $\pm$ 0.418 χ^2 /NDF:1364203.3/24

Right Out: 2100.987 $\pm$ 0.527 χ^2 /NDF: 500285.1/20

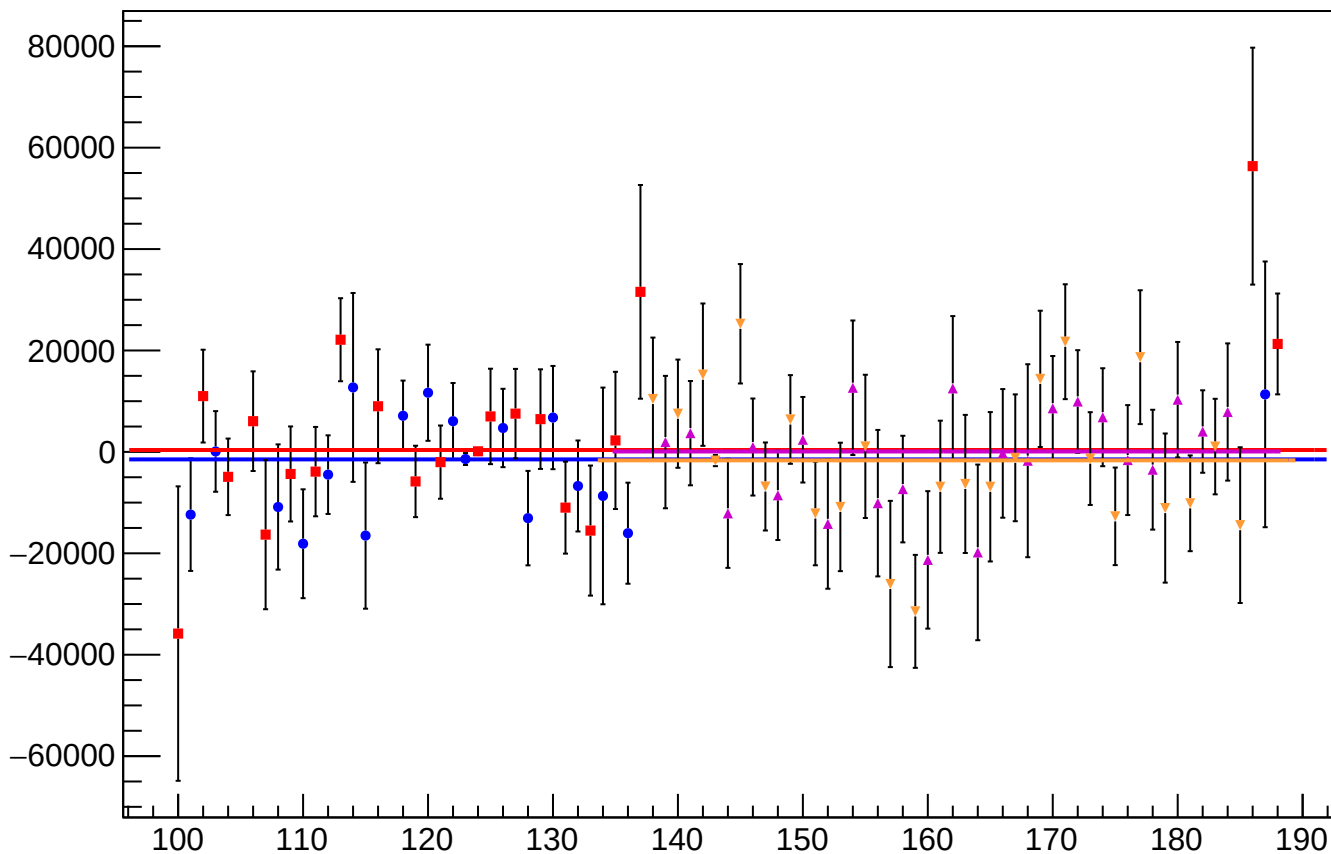
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF:668398.2/22

+ sign 2341.776 $\pm$ 0.337 χ^2 /NDF: 2045688.1/42

All: 2336.041 $\pm$ 0.236 χ^2 /NDF: 3528080.2/86

- sign 2330.538 $\pm$ 0.330 χ^2 /NDF: 1481825.2/43

asym_atl2_correction_mean vs Slug



Right In: -1479.345 ± 1053.808 $\chi^2/\text{NDF}: 15.9/17$

Left Out: -1665.417 ± 993.060 $\chi^2/\text{NDF}: 32.4/24$

Right Out: 371.850 ± 693.338 $\chi^2/\text{NDF}: 31.2/20$

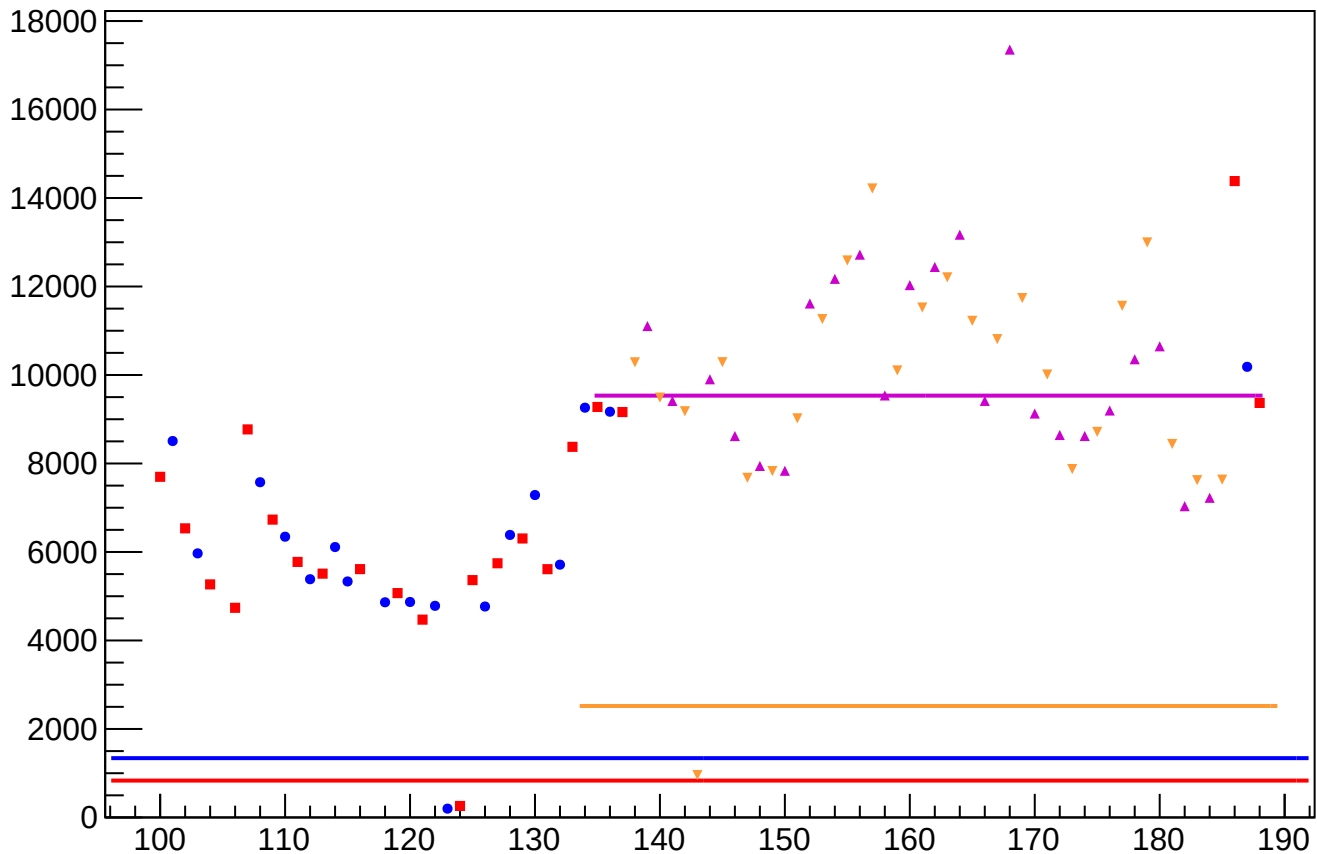
Left In: 80.274 ± 2331.531 $\chi^2/\text{NDF}: 13.8/22$

+ sign -1577.898 ± 722.722 $\chi^2/\text{NDF}: 48.3/42$

All: -534.284 ± 489.193 $\chi^2/\text{NDF}: 97.2/86$

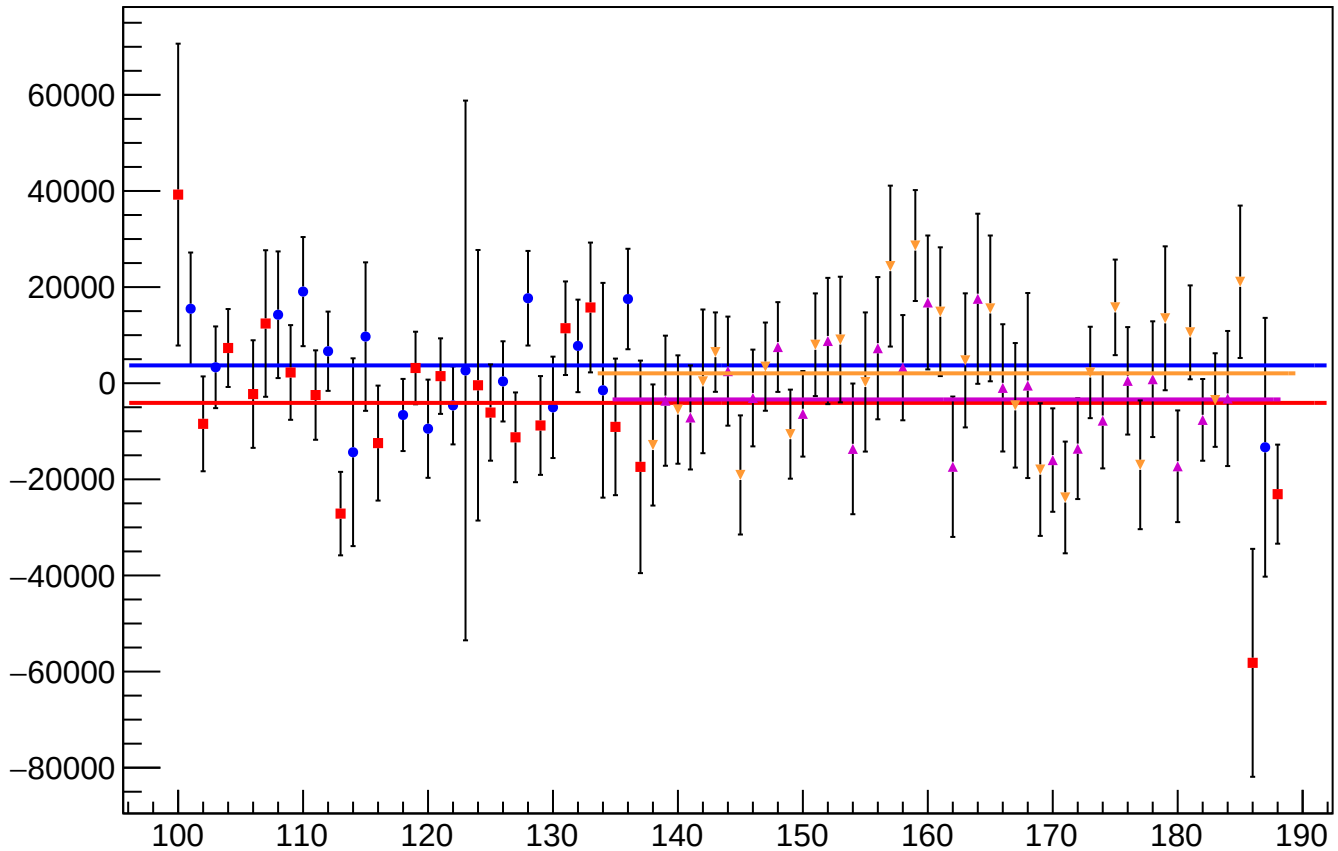
- sign 348.160 ± 664.576 $\chi^2/\text{NDF}: 45.0/43$

asym_atl2_correction_rms vs Slug



Right In: 1340.390+/-0.745	χ^2/NDF : 10255819.3/17	+ sign 1964.834+/-0.511	χ^2/NDF : 35223812.8/42
Left Out: 2519.359+/-0.702	χ^2/NDF : 23642118.3/24	All: 1734.855+/-0.346	χ^2/NDF : 76063786.9/8
Right Out: 833.545+/-0.490	χ^2/NDF : 13564495.1/20	- sign 1540.394+/-0.470	χ^2/NDF : 40466215.5/43
Left In: 9533.563+/-1.649	χ^2/NDF : 1316640.0/22		

asym_atl2_mean vs Slug



Right In: 3706.363+/-2531.833 χ^2/NDF : 14.5/17

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

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

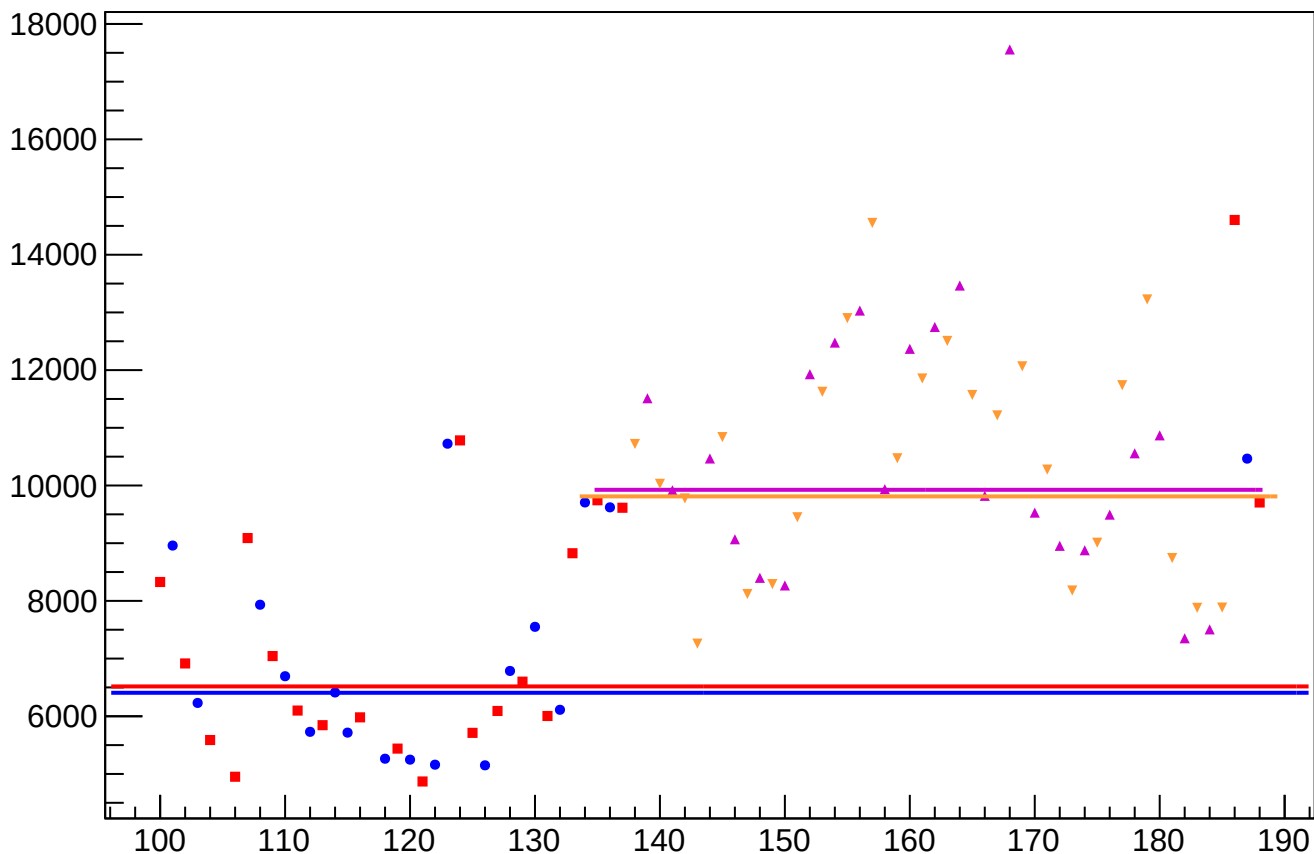
Left In: -3371.931+/-2423.242 χ^2/NDF :13.1/22

+ sign 2813.988+/-1715.869 χ^2/NDF : 45.4/42

All: -520.089+/-1203.063 χ^2/NDF : 95.3/86

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

asym_atl2_rms vs Slug



Right In: 6407.147+/-1.790 χ^2 /NDF: 624577.7/17

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

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

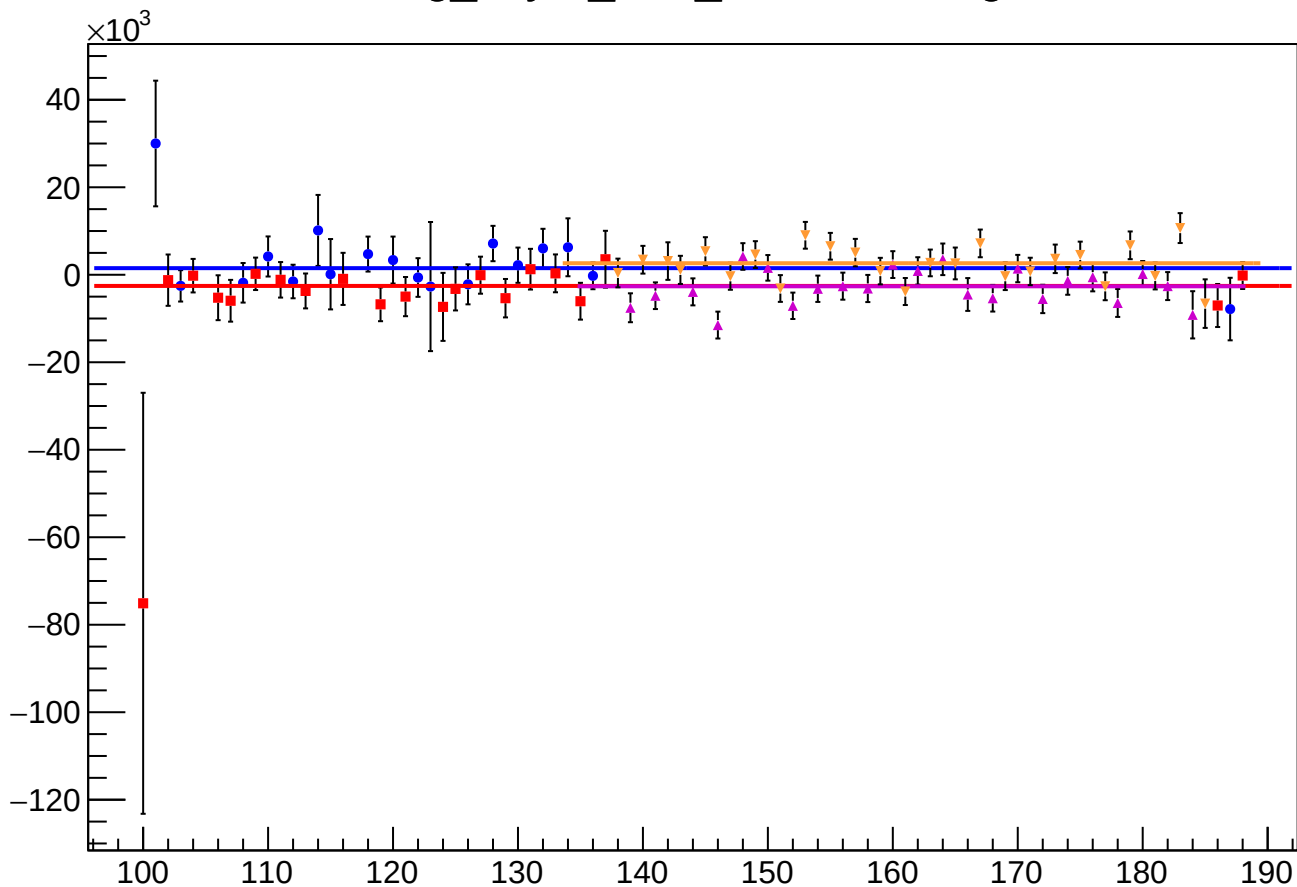
Left In: 9925.337+/-1.713 χ^2 /NDF:1211554.7/22

+ sign 8247.624+/-1.213 χ^2 /NDF: 3793071.9/42

All: 8207.824+/-0.851 χ^2 /NDF: 8025077.7/86

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

reg_asym_atr1_mean vs Slug



Right In: 1511.317 $\pm$ 1117.395 χ^2 /NDF: 15.2/17

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

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

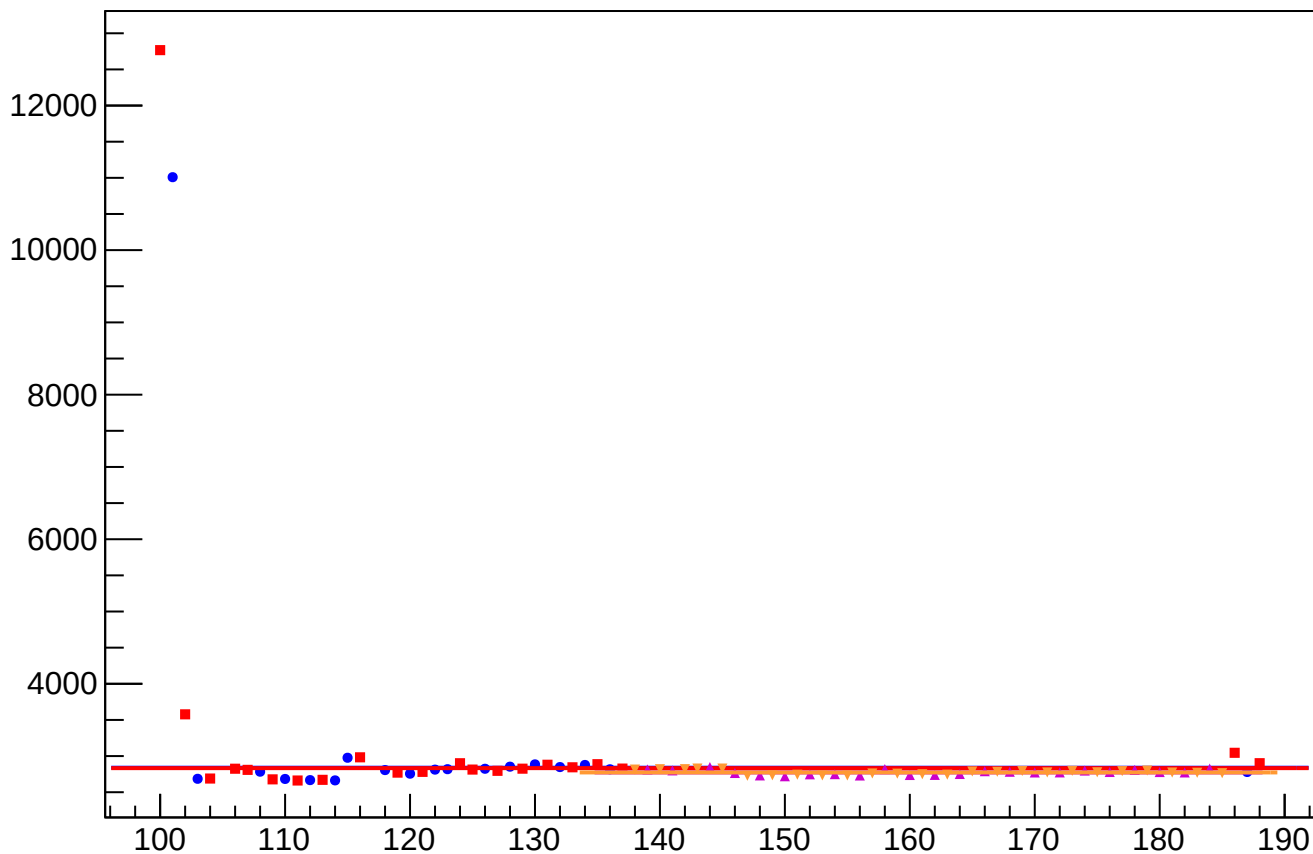
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF: 35.2/22

+ sign 2354.055 $\pm$ 559.342 χ^2 /NDF: 51.0/42

All: -159.921 $\pm$ 393.035 χ^2 /NDF: 137.2/86

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

reg_asym_atr1_rms vs Slug



Right In: 2838.844+/-0.790 χ^2/NDF : 660270.4/17

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

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

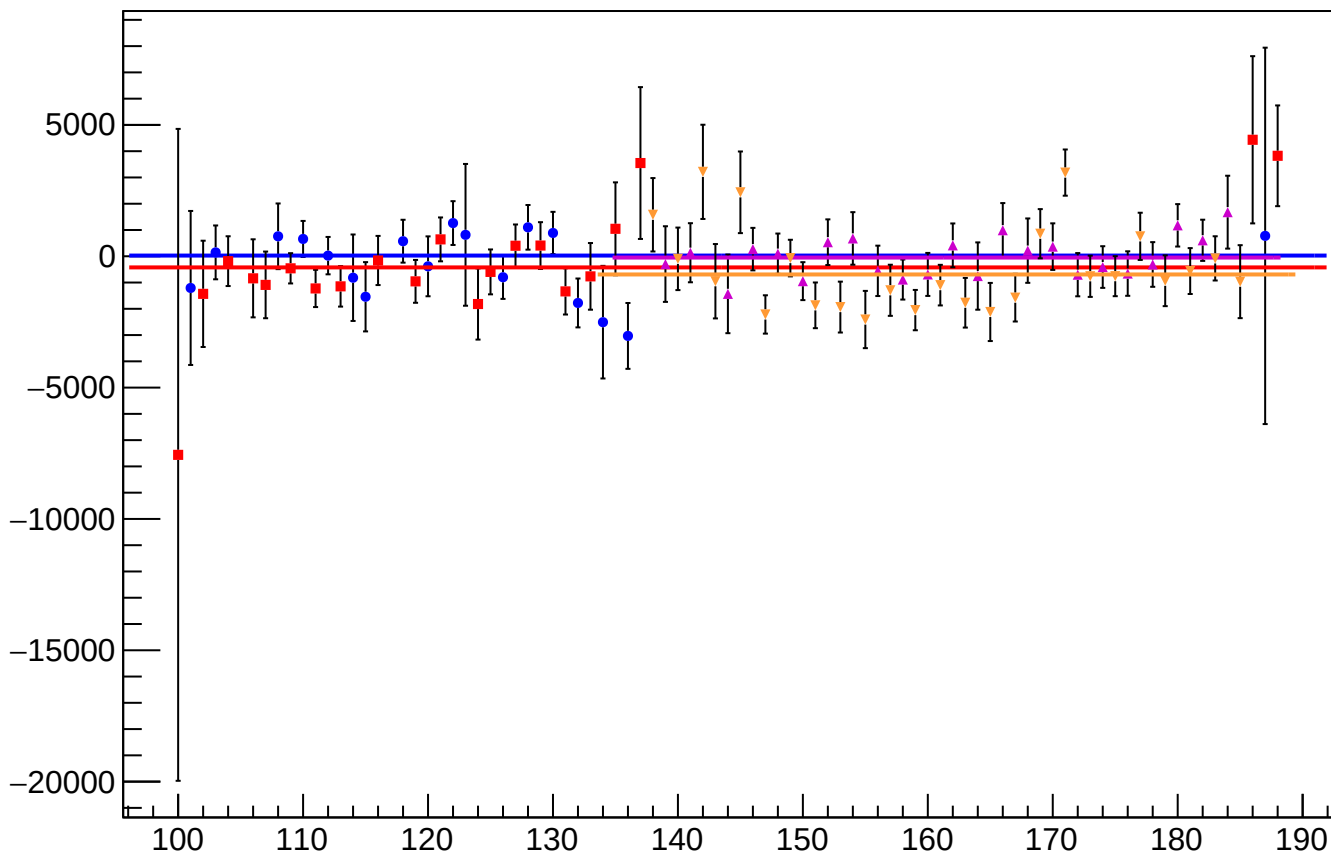
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2790.034+/-0.396 χ^2/NDF : 669979.2/42

All: 2791.176+/-0.278 χ^2/NDF : 818202.1/86

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

asym_atr1_correction_mean vs Slug



Right In: 26.602 ± 242.317 χ^2/NDF : 20.8/17

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

Right Out: -424.238 ± 220.175 χ^2/NDF : 19.3/20

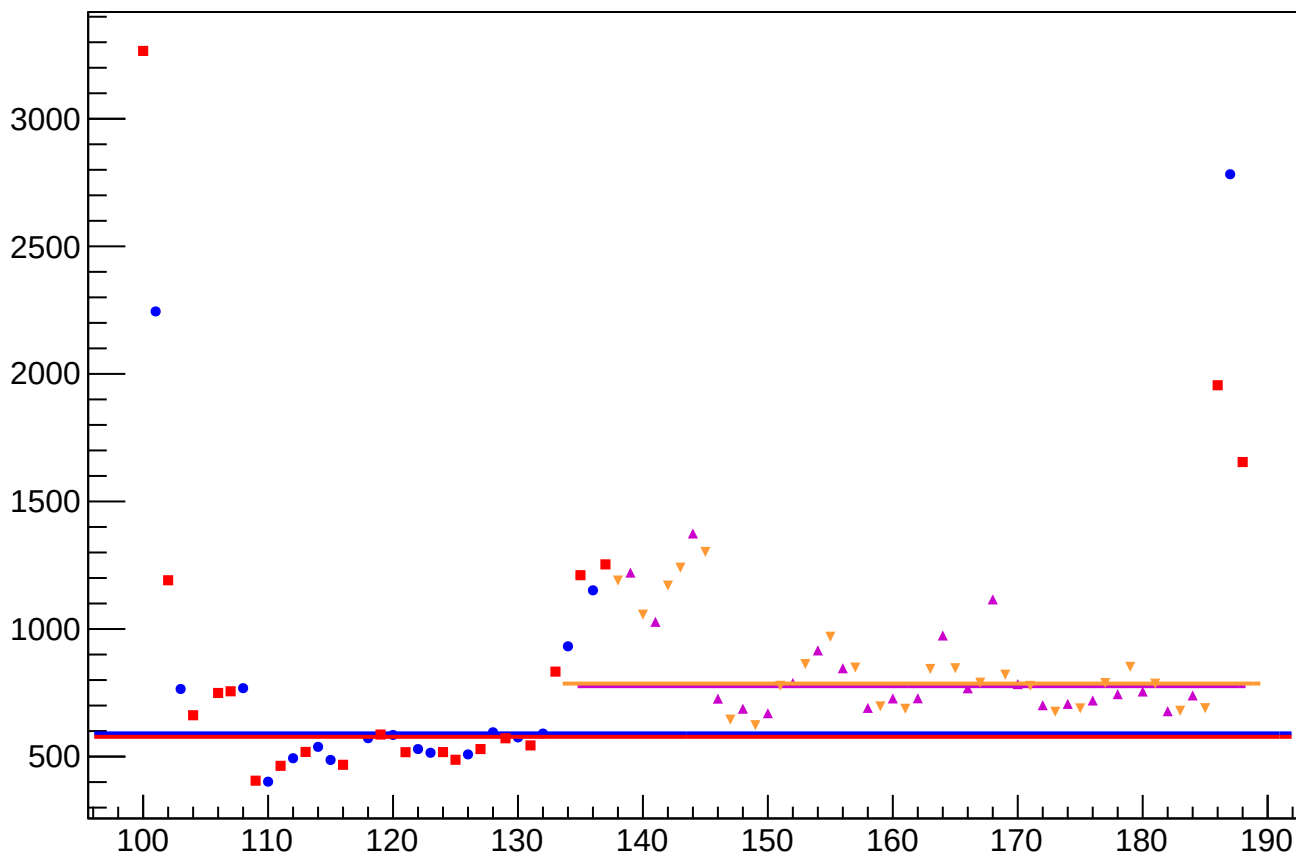
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -423.749 ± 148.190 χ^2/NDF : 82.3/42

All: -312.669 ± 103.085 χ^2/NDF : 118.0/86

- sign -208.519 ± 143.493 χ^2/NDF : 34.6/43

asym_atr1_correction_rms vs Slug



Right In: 590.891 ± 0.171 $\chi^2/\text{NDF}: 1611298.7/17$

Left Out: 786.173 ± 0.132 $\chi^2/\text{NDF}: 1249536.1/24$

Right Out: 577.454 ± 0.156 $\chi^2/\text{NDF}: 2128823.6/20$

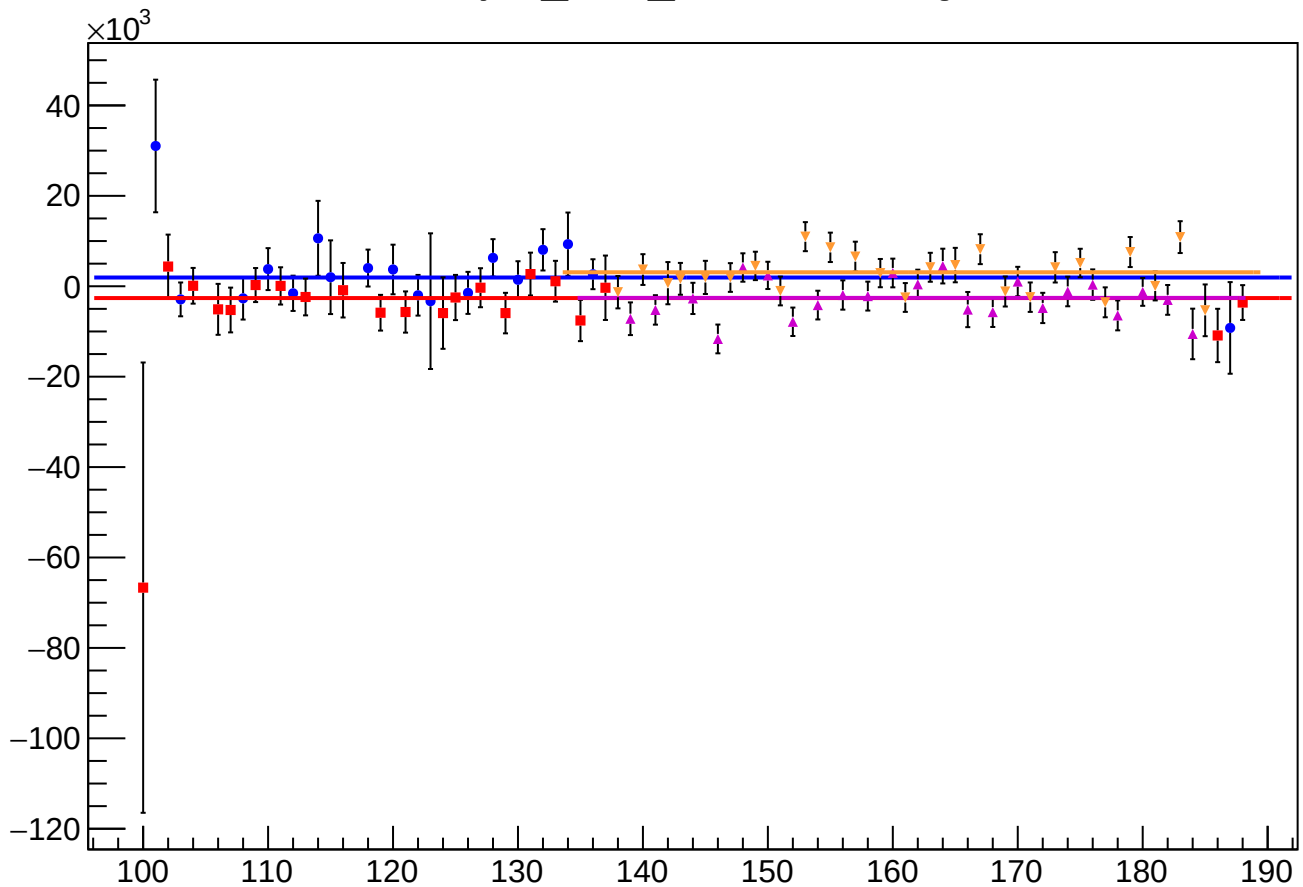
Left In: 775.930 ± 0.134 $\chi^2/\text{NDF}: 1056766.5/22$

+ sign 713.138 ± 0.105 $\chi^2/\text{NDF}: 3673976.2/42$

All: 702.037 ± 0.073 $\chi^2/\text{NDF}: 7816236.7/86$

- sign 691.629 ± 0.101 $\chi^2/\text{NDF}: 4120516.4/43$

asym_atr1_mean vs Slug



Right In: 1935.057 ± 1159.614 χ^2/NDF : 15.7/17

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

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

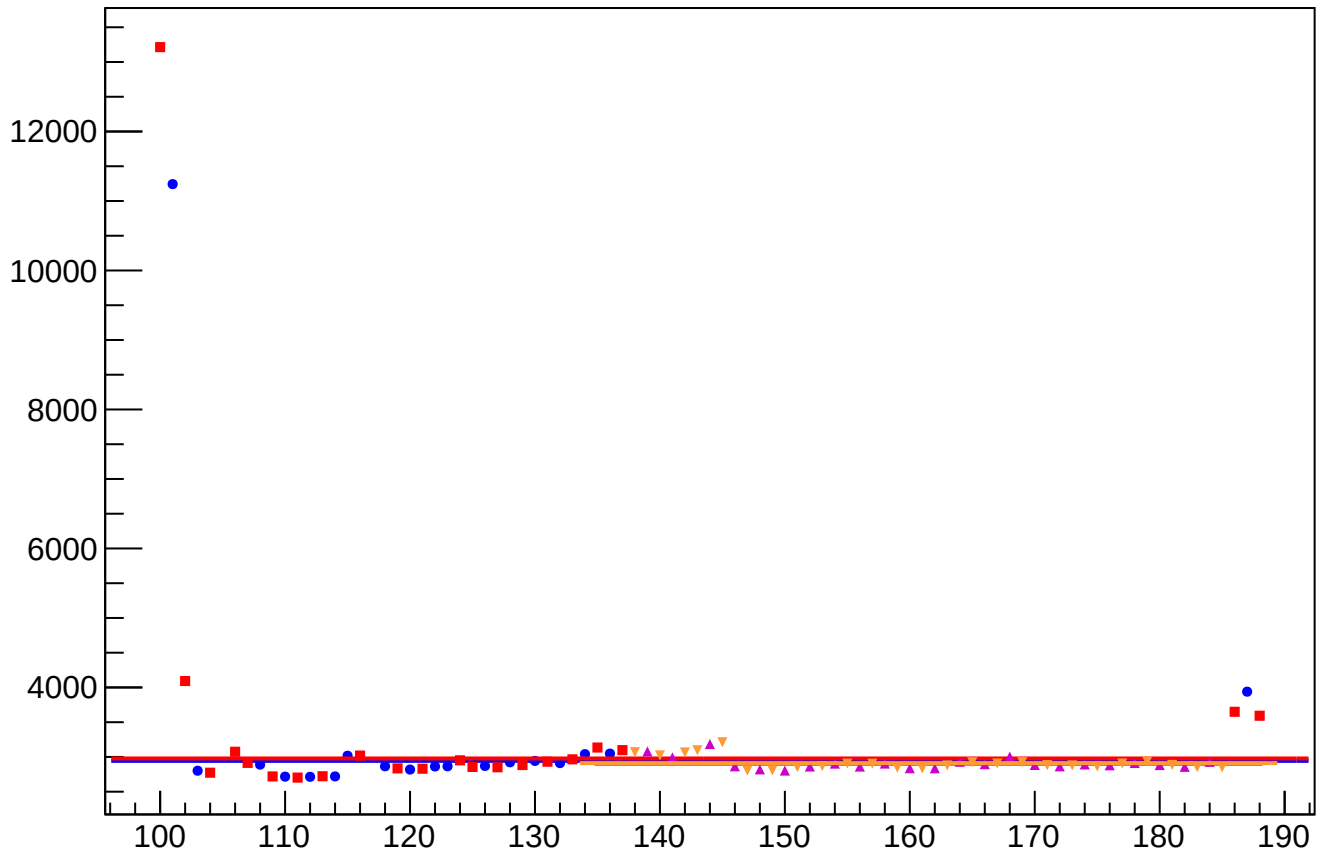
Left In: -2573.184 ± 695.795 χ^2/NDF : 35.7/22

+ sign 2799.033 ± 585.628 χ^2/NDF : 55.1/42

All: 82.779 ± 412.228 χ^2/NDF : 145.5/86

- sign -2584.887 ± 580.366 χ^2/NDF : 47.8/43

asym_atr1_rms vs Slug



Right In: 2943.773+/-0.820 χ^2/NDF : 681669.3/17

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

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

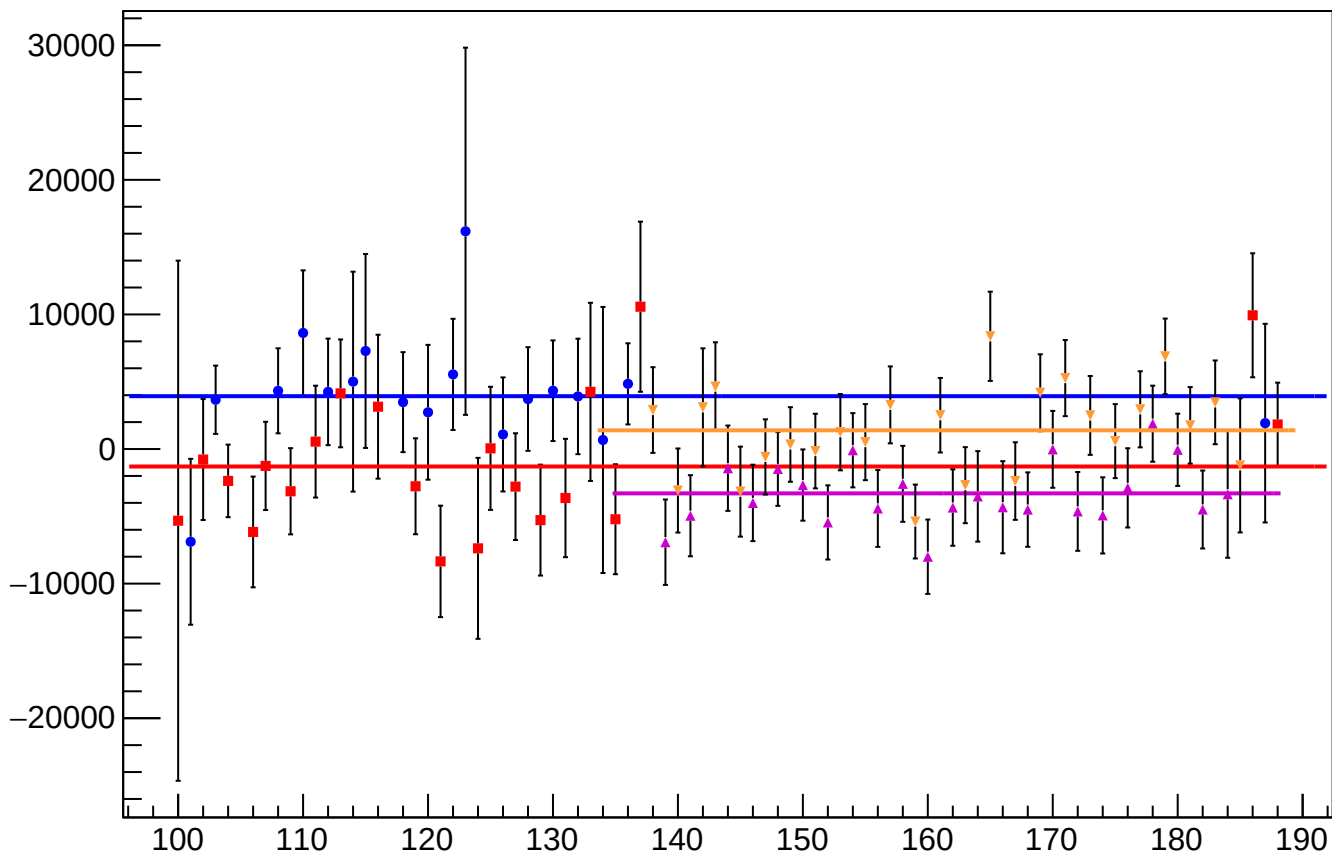
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2919.527+/-0.414 χ^2/NDF : 719487.4/42

All: 2922.853+/-0.291 χ^2/NDF : 1010973.1/86

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

reg_asym_atr2_mean vs Slug



Right In: 3926.262 $\pm$ 1004.999 χ^2 /NDF: 6.1/17

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

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

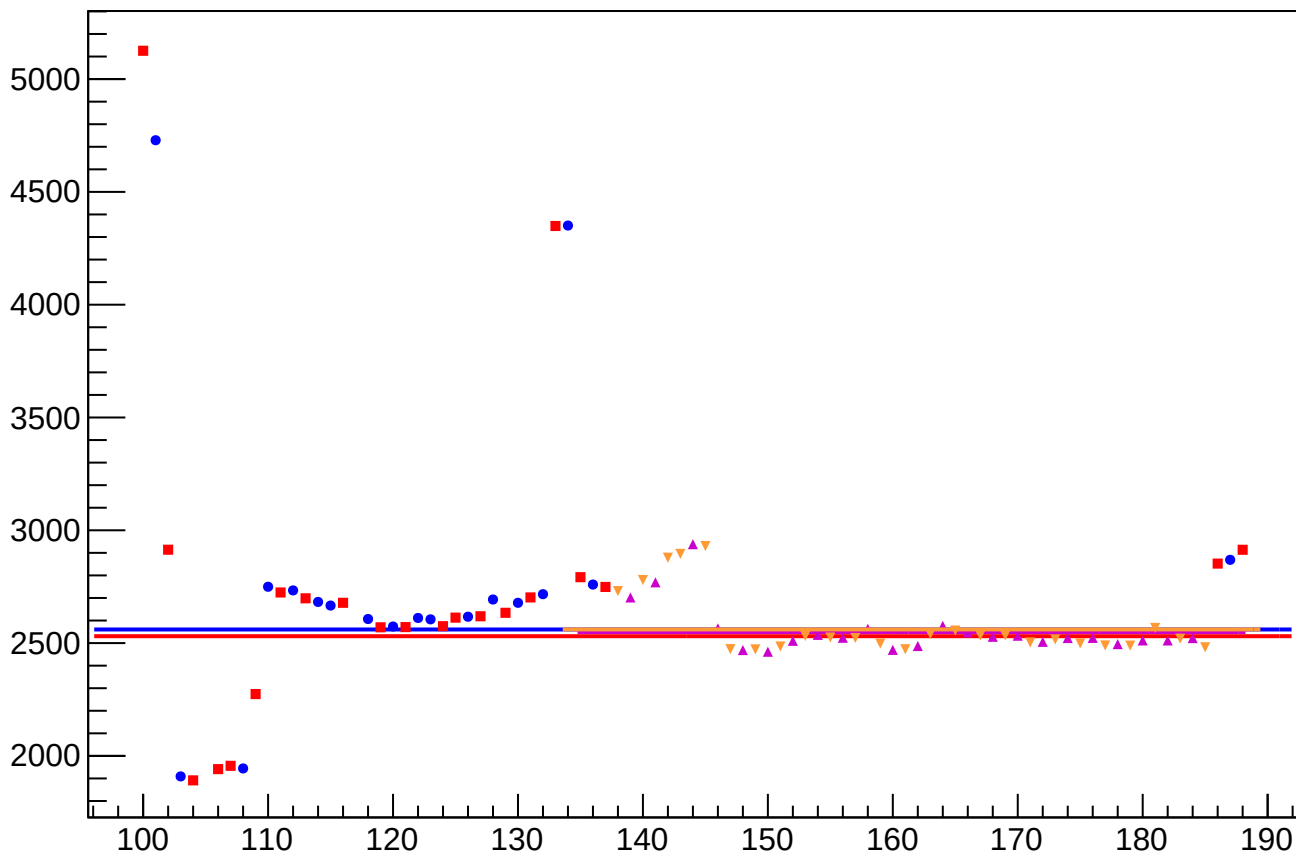
Left In: -3295.367 $\pm$ 609.991 χ^2 /NDF: 14.9/22

+ sign 2050.949 $\pm$ 512.963 χ^2 /NDF: 40.0/42

All: -345.171 $\pm$ 359.854 χ^2 /NDF: 123.3/86

- sign -2667.041 $\pm$ 504.952 χ^2 /NDF: 40.4/43

reg_asym_atr2_rms vs Slug



Right In: 2560.342 $\pm$ 0.711 χ^2 /NDF: 549338.7/17

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

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

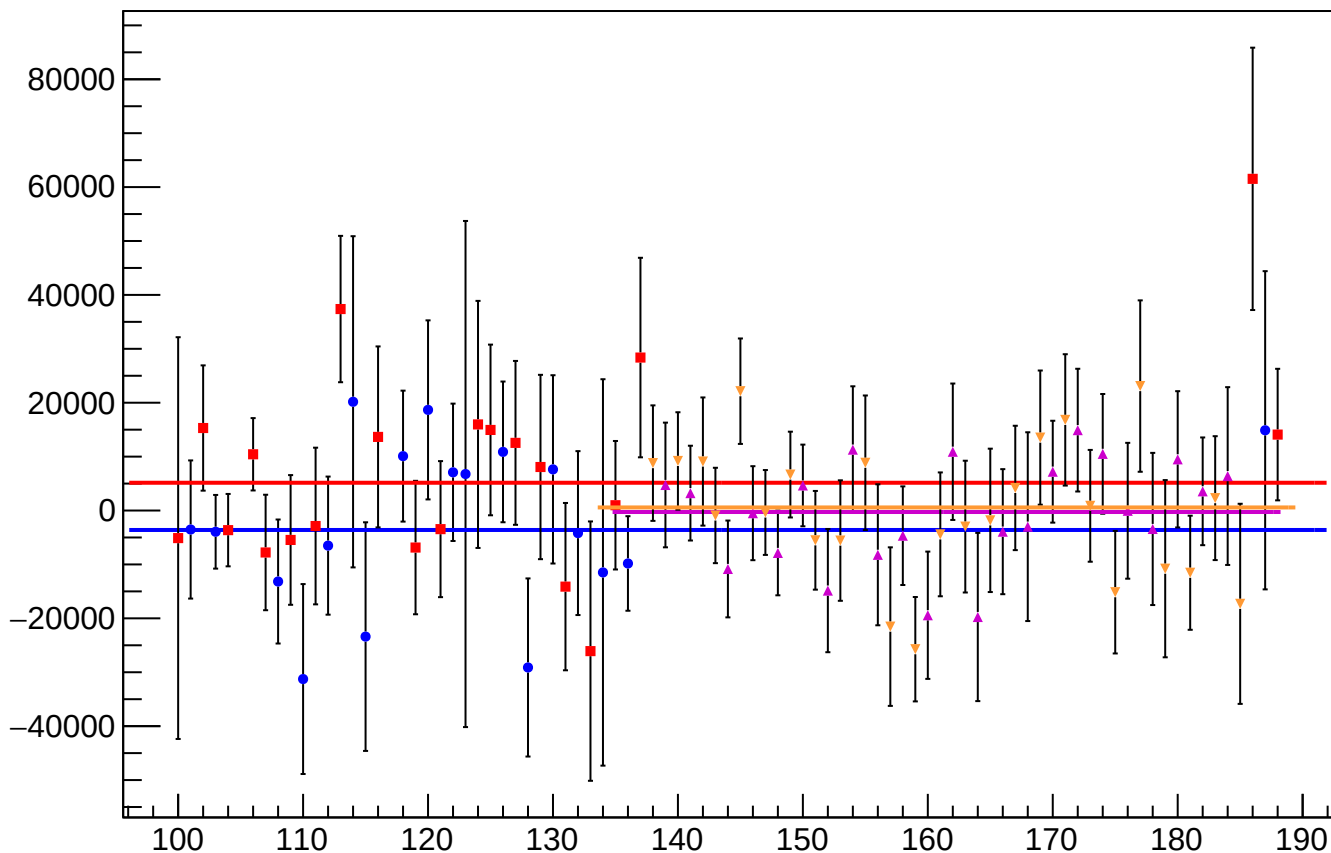
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2560.482 $\pm$ 0.363 χ^2 /NDF: 636110.2/42

All: 2551.654 $\pm$ 0.254 χ^2 /NDF: 1189116.1/86

- sign 2543.099 $\pm$ 0.357 χ^2 /NDF: 551839.5/43

asym_atr2_correction_mean vs Slug



Right In: -3608.051 ± 3214.909 χ^2/NDF : 13.5/17

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

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

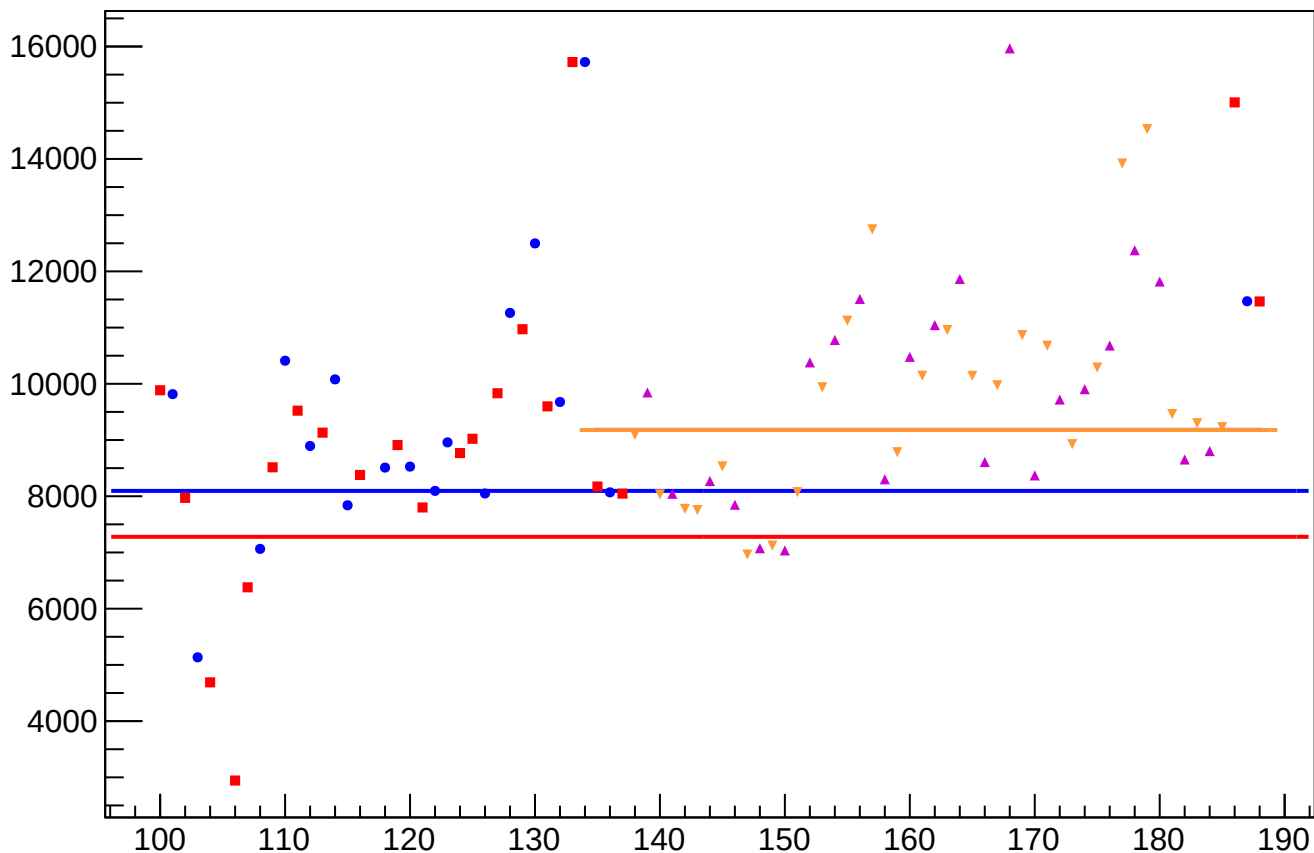
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -747.917 ± 1806.779 χ^2/NDF : 42.9/42

All: 625.934 ± 1252.288 χ^2/NDF : 86.7/86

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

asym_atr2_correction_rms vs Slug



Right In: 8095.353+/-2.273 χ^2/NDF : 821770.1/17

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

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

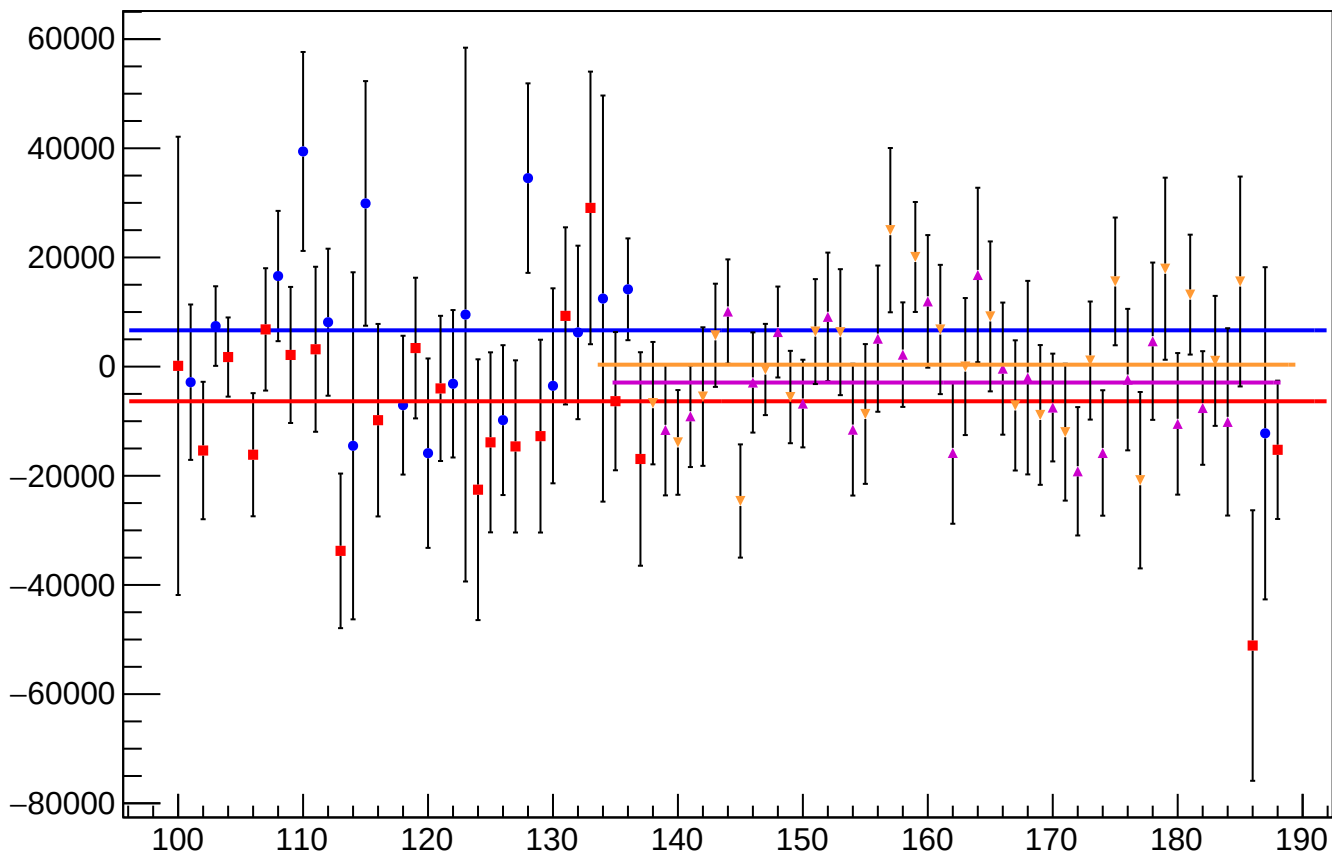
Left In: 9181.254+/-1.586 χ^2/NDF : 1236469.7/22

+ sign 8835.839+/-1.278 χ^2/NDF : 2153051.3/42

All: 8619.809+/-0.886 χ^2/NDF : 6261543.8/86

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

asym_atr2_mean vs Slug



Right In: 6648.810+/-3396.339 χ^2/NDF : 14.7/17

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

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

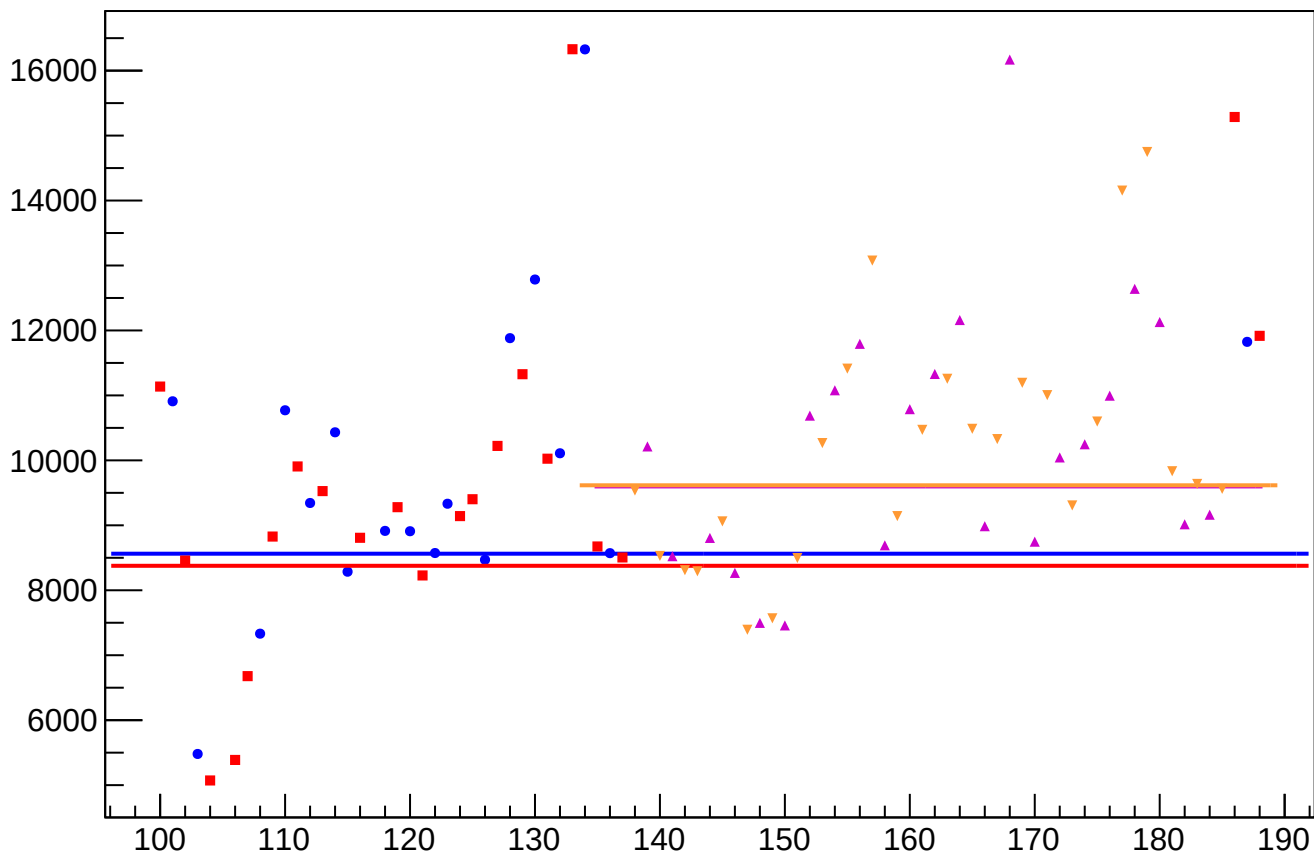
Left In: -2918.356+/-2338.461 χ^2/NDF : 14.9/22

+ sign 2312.705+/-1893.970 χ^2/NDF : 43.3/42

All: -1001.203+/-1325.922 χ^2/NDF : 82.2/86

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

asym_atr2_rms vs Slug



Right In: 8562.976 $\pm$ 2.402 χ^2 /NDF: 793137.1/17

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

Right Out: 8376.822 $\pm$ 2.160 χ^2 /NDF: 1287177.4/20

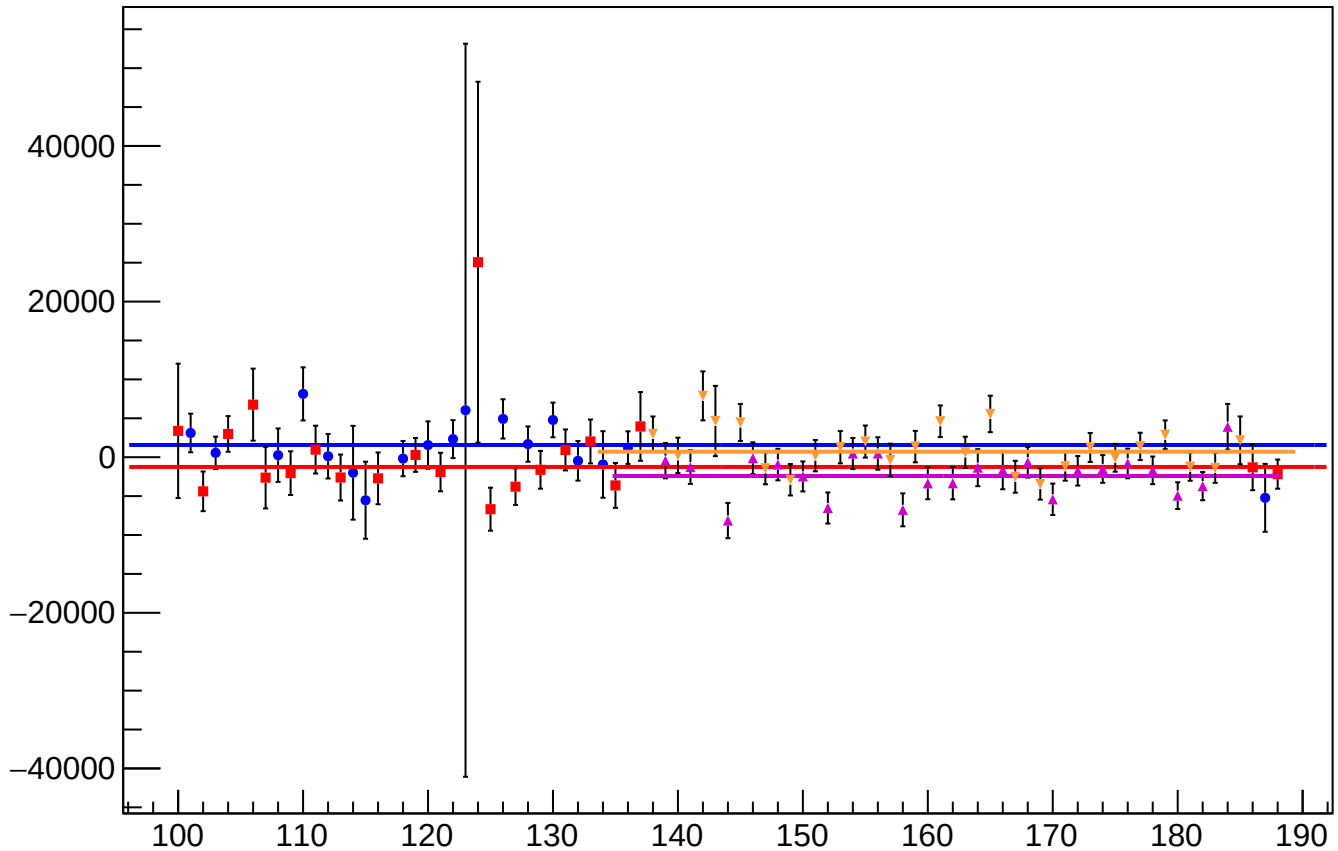
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF:1082171.6/22

+ sign 9288.706 $\pm$ 1.339 χ^2 /NDF: 1937335.3/42

All: 9216.506 $\pm$ 0.938 χ^2 /NDF: 4514091.0/86

- sign 9147.109 $\pm$ 1.313 χ^2 /NDF: 2571055.7/43

reg_asym_atl_avg_mean vs Slug



Right In: 1572.332 ± 664.298 χ^2/NDF : 15.1/17

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

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

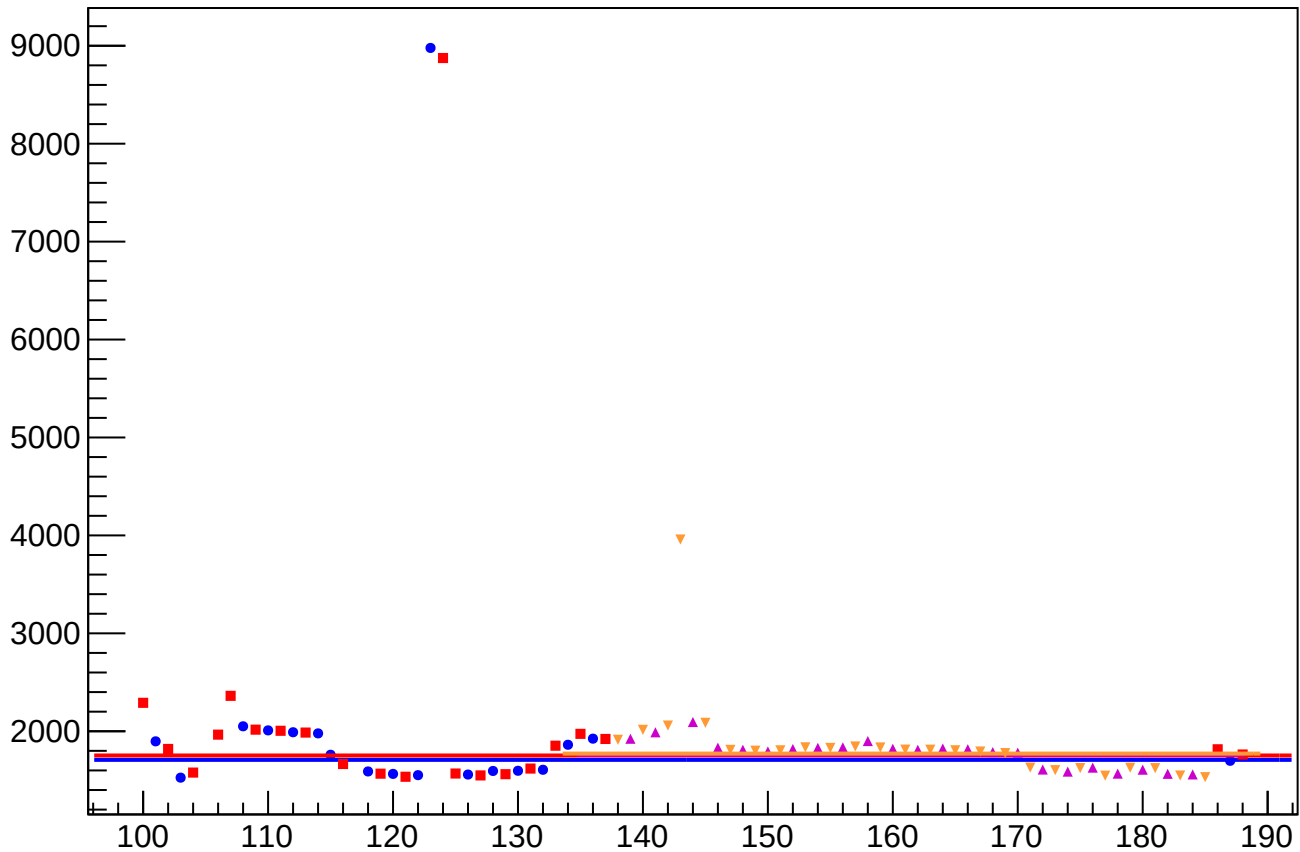
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 953.867 ± 353.410 χ^2/NDF : 51.2/42

All: -561.881 ± 248.523 χ^2/NDF : 144.5/86

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

reg_asym_atl_avg_rms vs Slug



Right In: 1707.967+/-0.470 χ^2/NDF : 195793.4/17

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

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

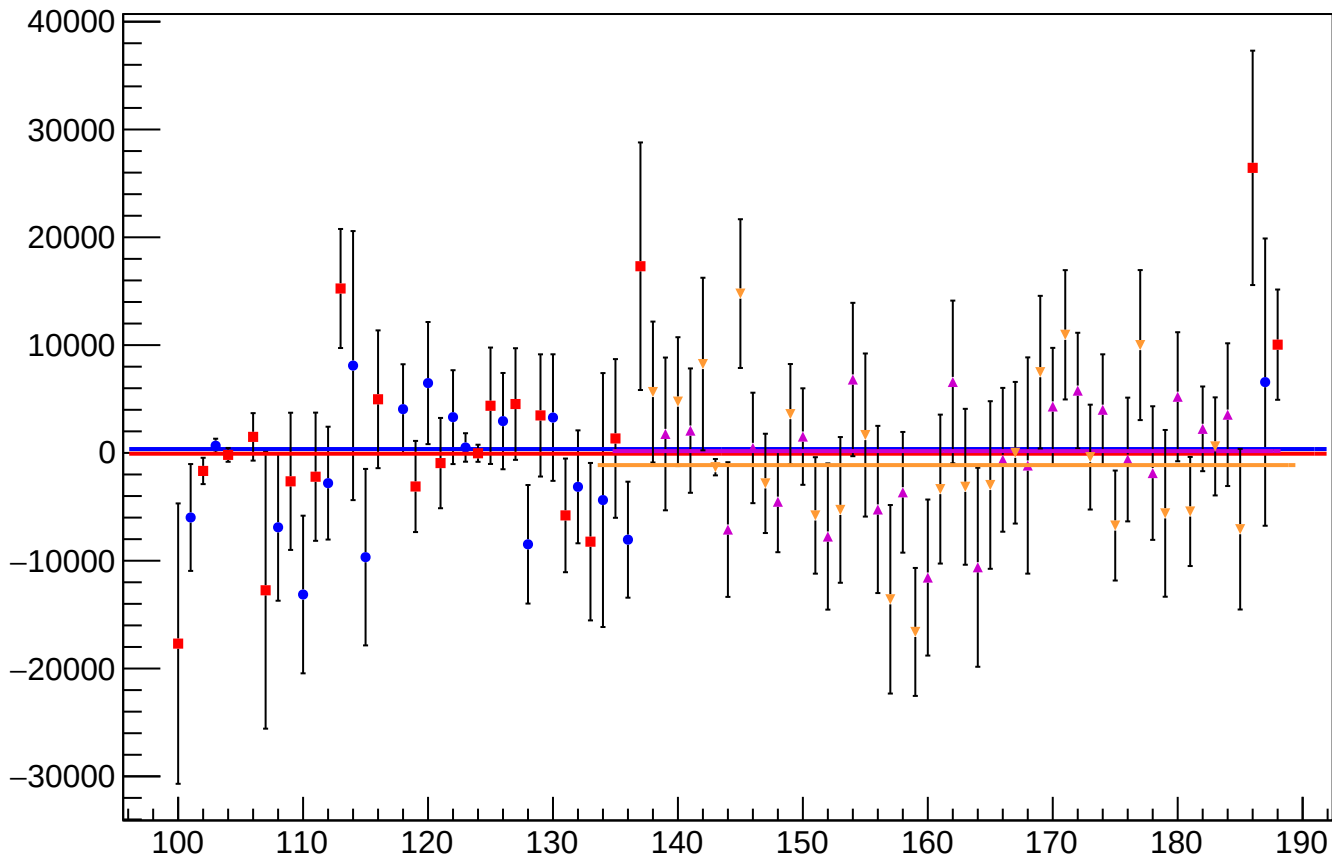
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1753.910+/-0.250 χ^2/NDF : 911608.0/42

All: 1755.662+/-0.176 χ^2/NDF : 1524206.4/80

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

asym_atl_avg_correction_mean vs Slug



Right In: 360.825 ± 540.220 $\chi^2/\text{NDF}: 17.5/17$

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

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

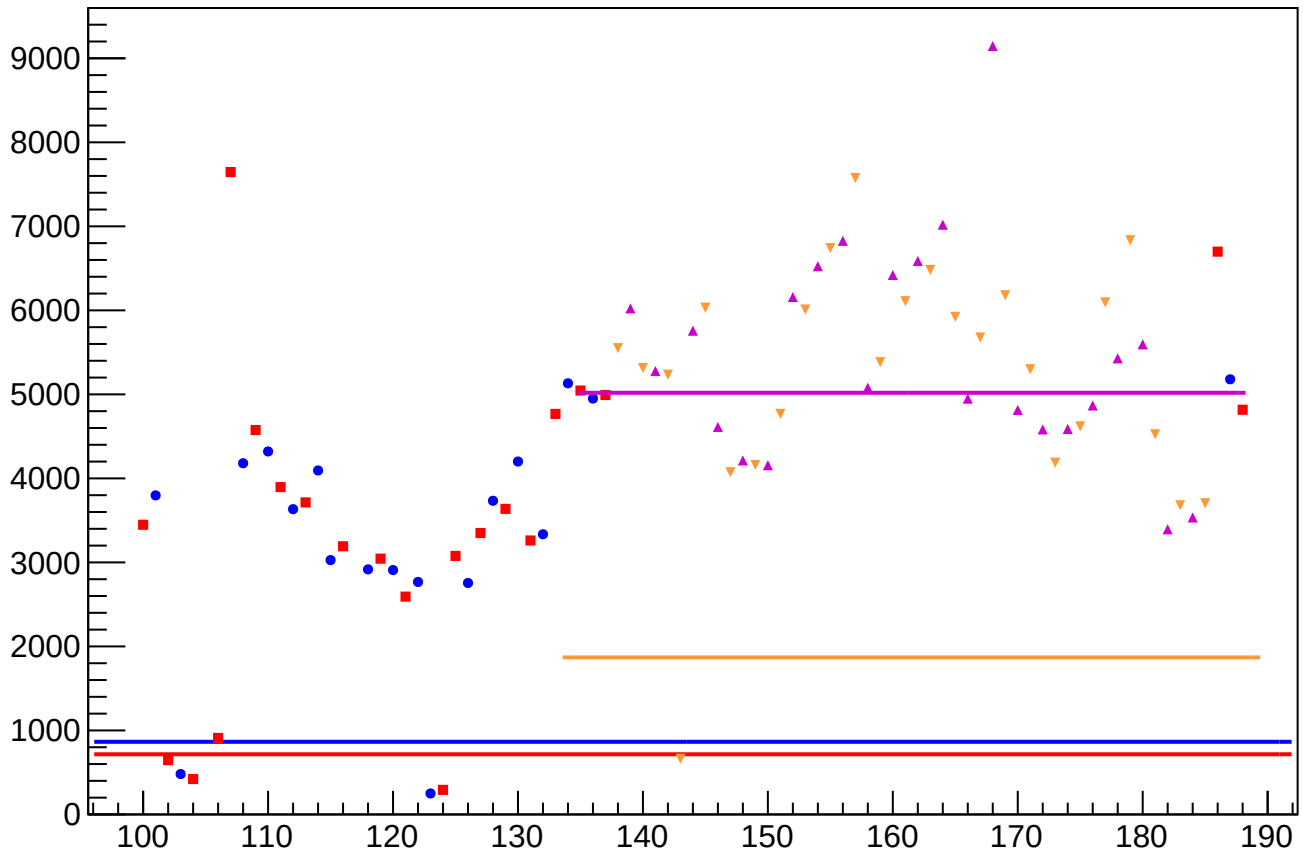
Left In: 168.182 ± 1232.411 $\chi^2/\text{NDF}: 14.2/22$

+ sign -250.829 ± 414.834 $\chi^2/\text{NDF}: 52.2/42$

All: -147.035 ± 290.703 $\chi^2/\text{NDF}: 97.2/86$

- sign -46.882 ± 407.495 $\chi^2/\text{NDF}: 44.9/43$

asym_atl_avg_correction_rms vs Slug



Right In: 864.894+/-0.382 χ^2/NDF : 8336440.9/17

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

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

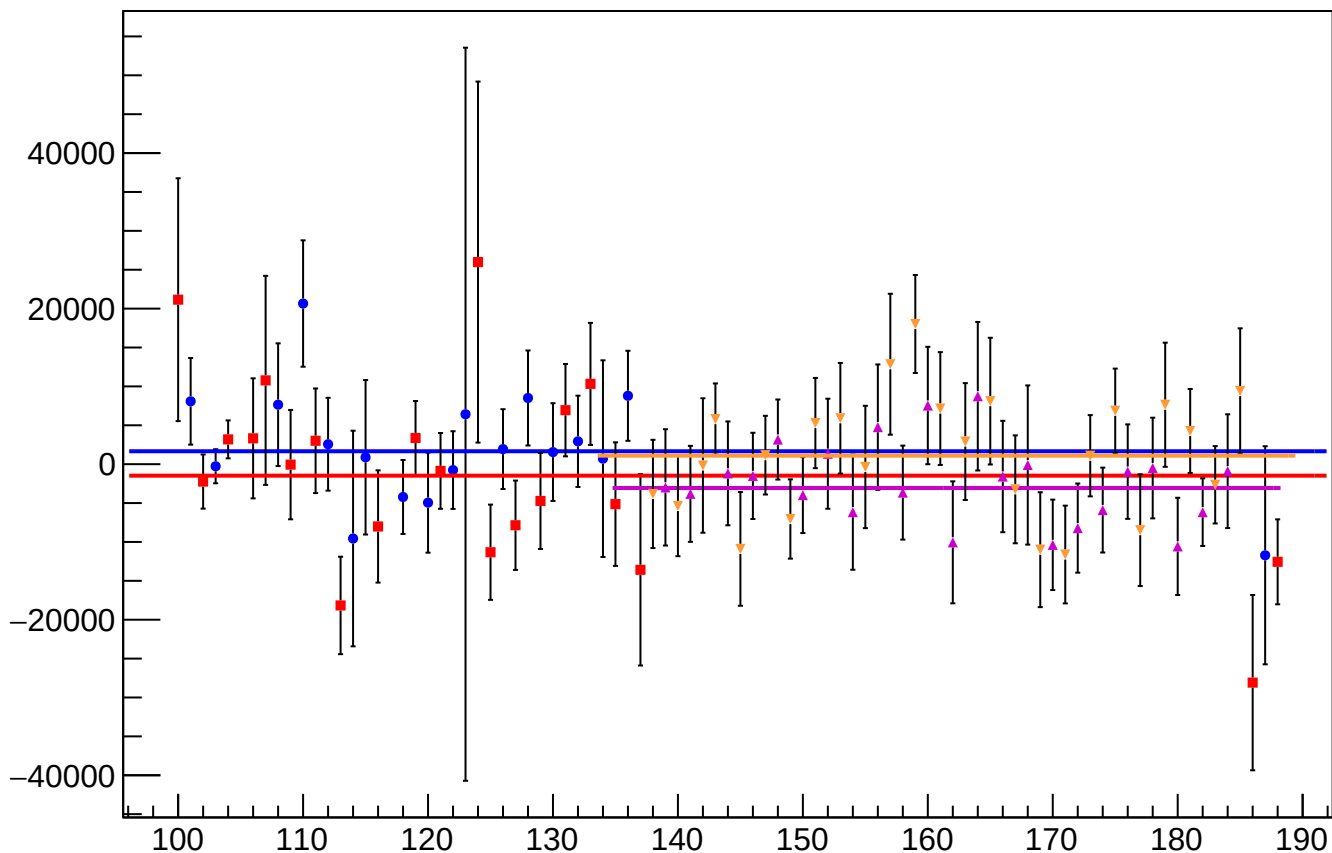
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

+ sign 1276.904+/-0.293 χ^2/NDF : 31023962.5/42

All: 1231.041+/-0.206 χ^2/NDF : 64619372.9/8

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

asym_atl_avg_mean vs Slug



Right In: 1660.857 $\pm$ 1307.545 χ^2/NDF : 15.4/17

Left Out: 1094.317 $\pm$ 1273.113 χ^2/NDF : 32.0/24

Right Out: -1476.997 $\pm$ 1246.308 χ^2/NDF : 37.1/20

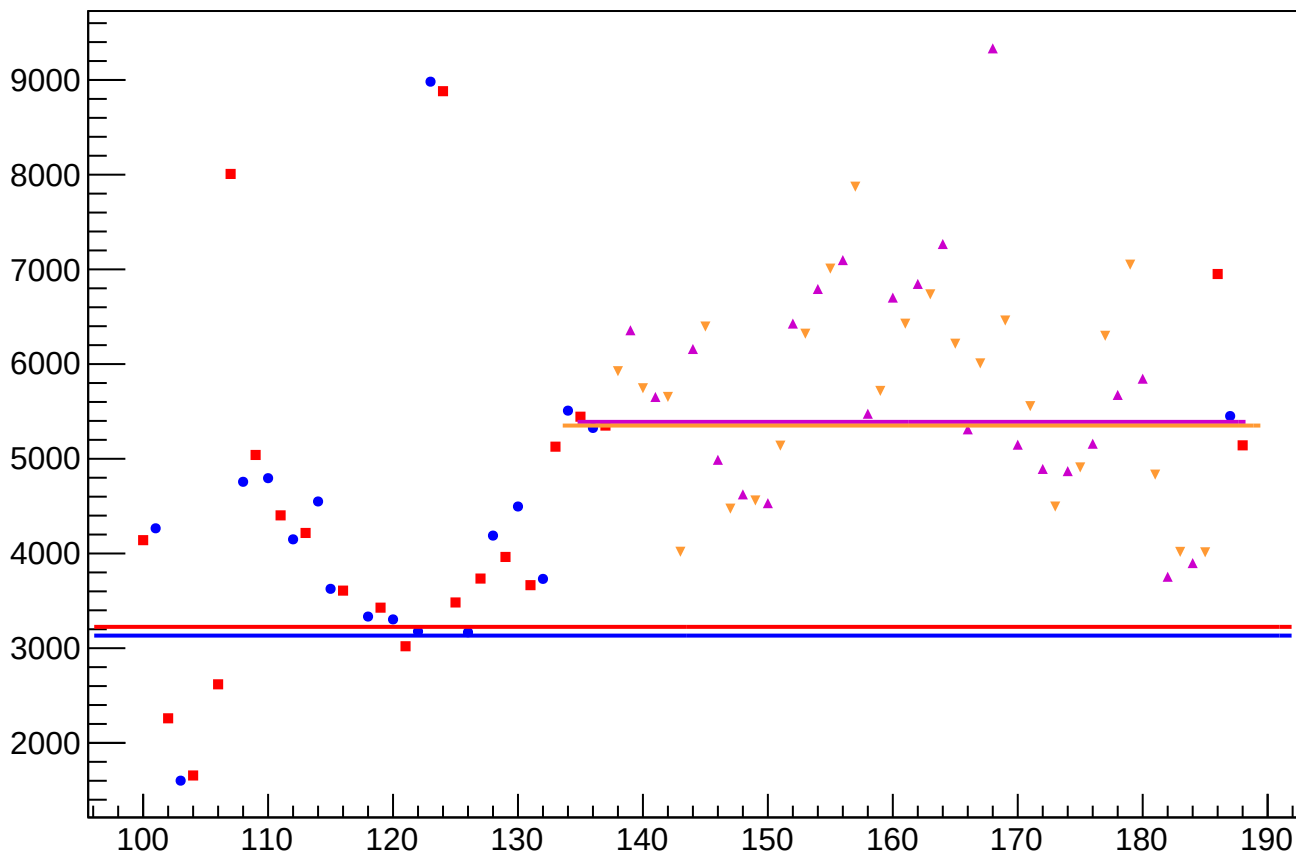
Left In: -3064.775 $\pm$ 1318.173 χ^2/NDF : 12.6/22

+ sign 1370.029 $\pm$ 912.157 χ^2/NDF : 47.5/42

All: -441.144 $\pm$ 642.666 χ^2/NDF : 105.8/86

- sign -2226.426 $\pm$ 905.614 χ^2/NDF : 50.5/43

asym_atl_avg_rms vs Slug



Right In: 3132.928+/-0.925 χ^2/NDF : 1937714.0/17

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

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

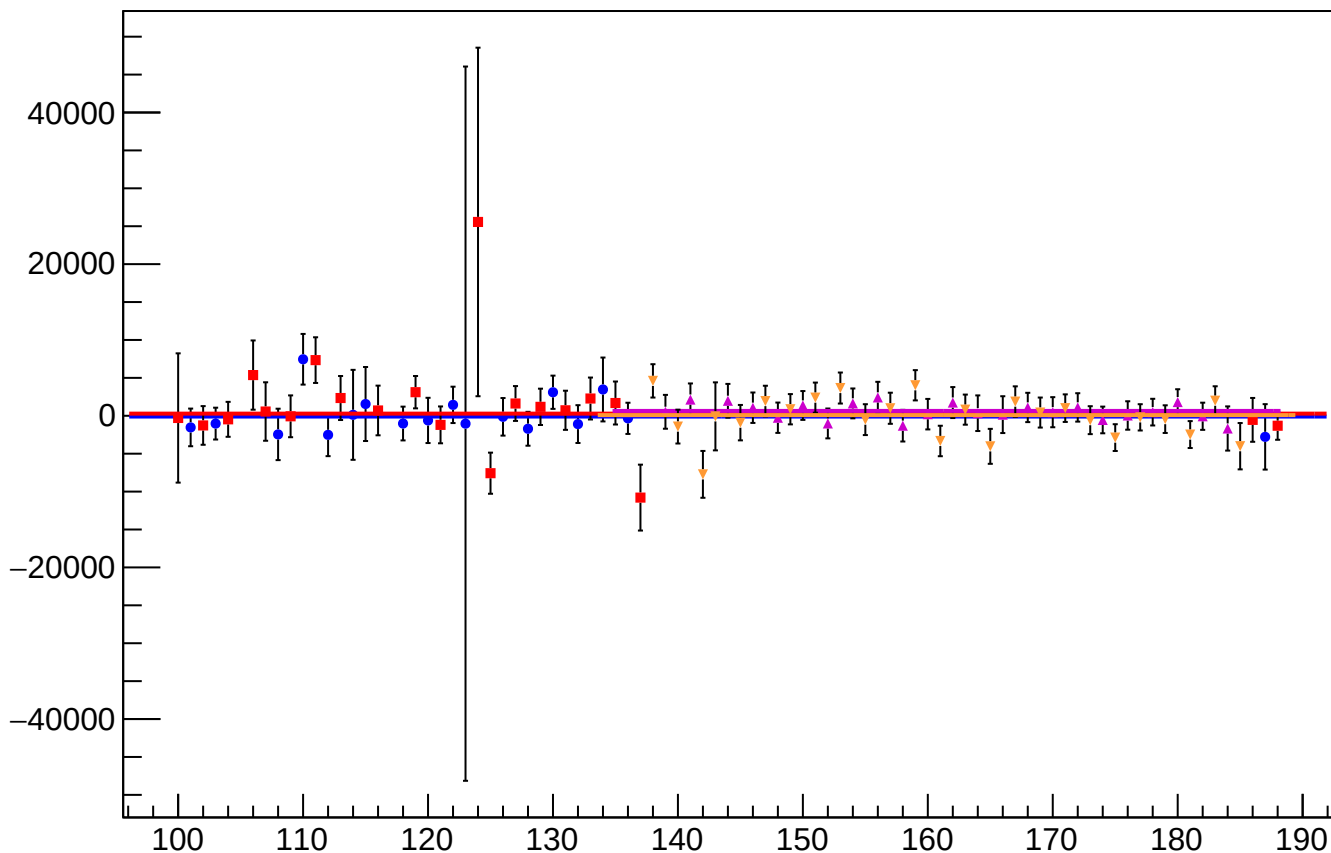
Left In: 5389.724+/-0.932 χ^2/NDF : 1309863.0/22

+ sign 4271.447+/-0.645 χ^2/NDF : 6133131.2/42

All: 4251.488+/-0.453 χ^2/NDF : 12829193.0/8

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

reg_asym_atl_dd_mean vs Slug



Right In: -101.502 $\pm$ 655.155 χ^2 /NDF: 11.5/17

Left Out: 86.214 $\pm$ 411.530 χ^2 /NDF:36.0/24

Right Out: 282.023 $\pm$ 610.310 χ^2 /NDF: 28.1/20

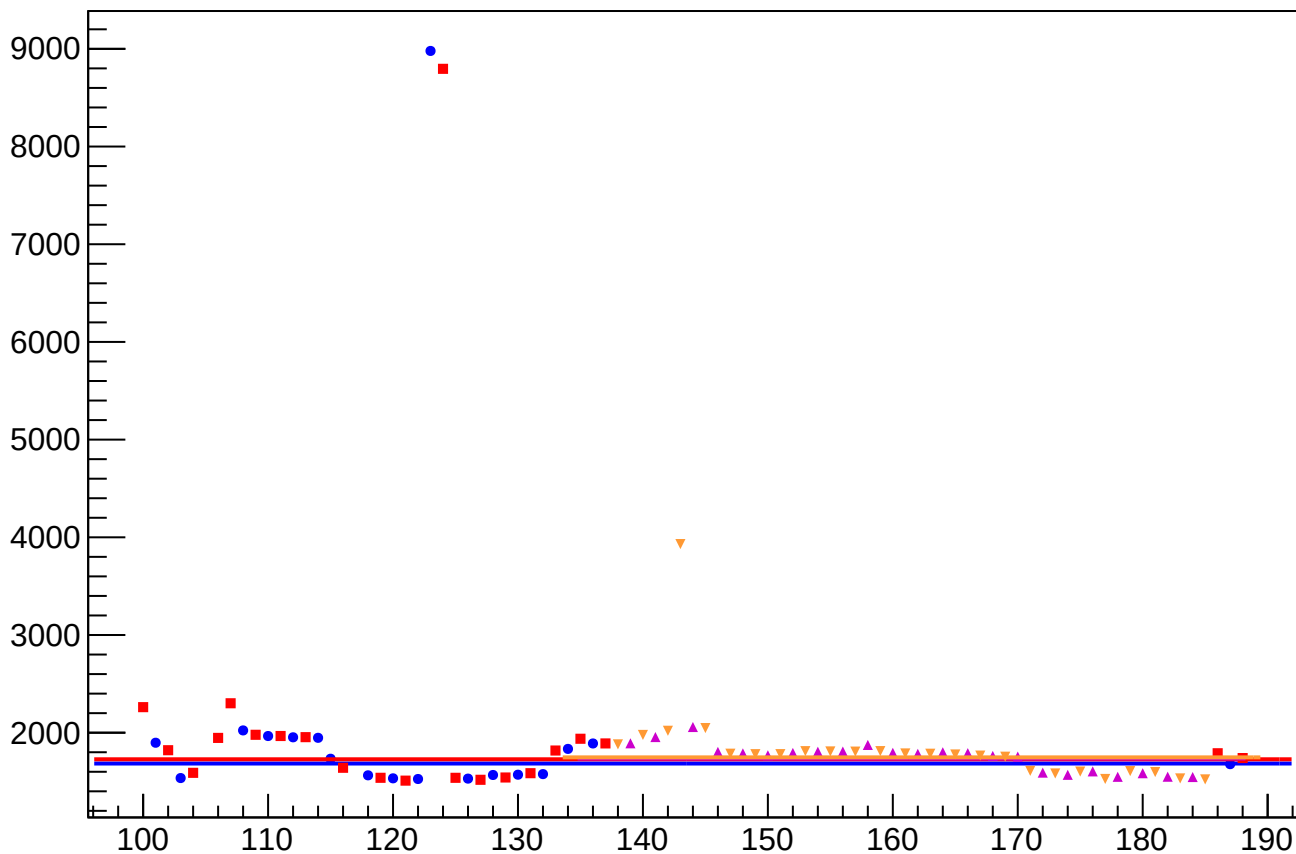
Left In: 640.235 $\pm$ 417.645 χ^2 /NDF:6.2/22

+ sign 33.104 $\pm$ 348.484 χ^2 /NDF: 47.6/42

All: 282.259 $\pm$ 245.055 χ^2 /NDF: 83.1/86

- sign 525.988 $\pm$ 344.668 χ^2 /NDF: 34.5/43

reg_asym_atl_dd_rms vs Slug



Right In: 1684.519+/-0.463 χ^2/NDF : 194023.7/17

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

Right Out: 1727.838+/-0.430 χ^2/NDF : 393660.7/20

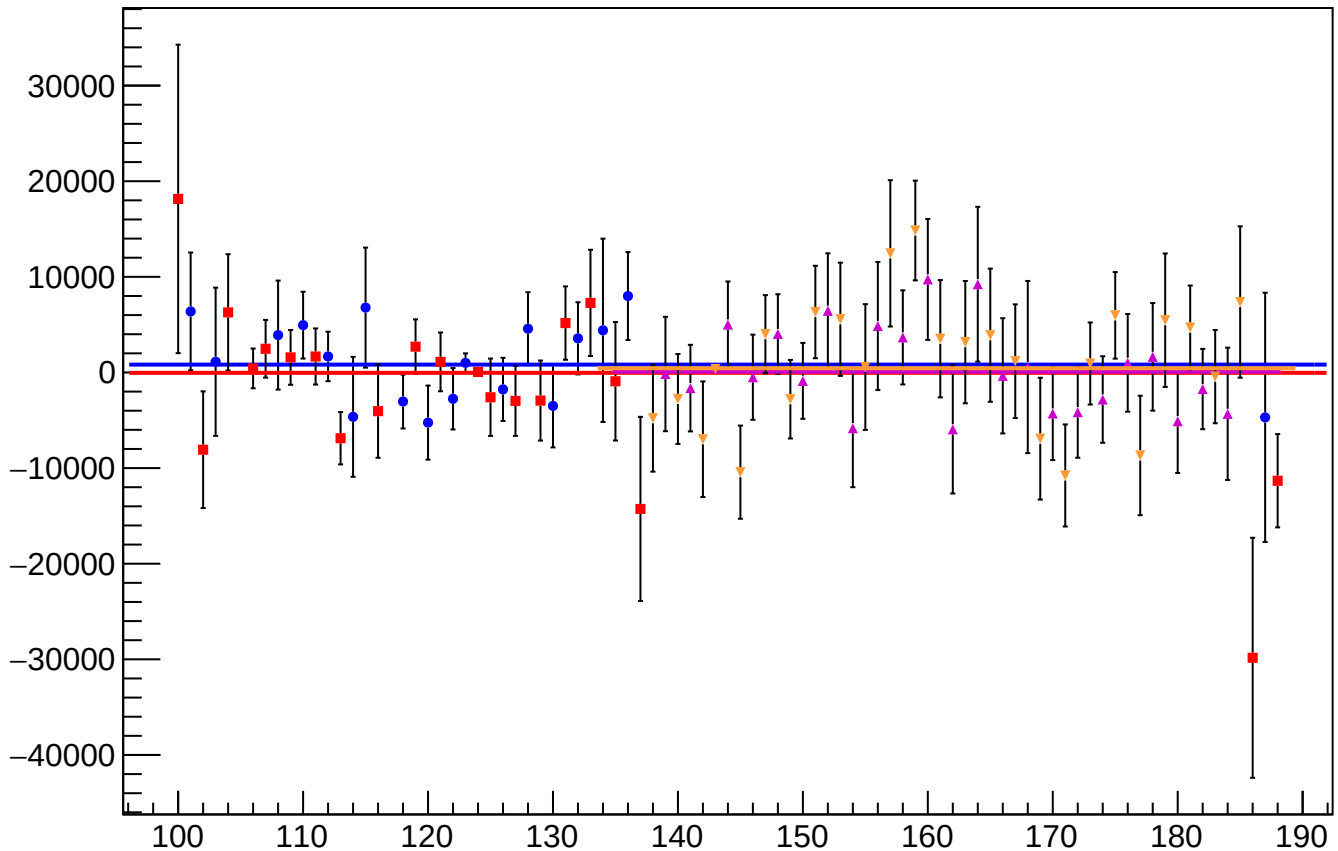
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1729.552+/-0.246 χ^2/NDF : 905393.9/42

All: 1731.333+/-0.173 χ^2/NDF : 1506142.5/86

- sign 1733.071+/-0.243 χ^2/NDF : 600645.4/43

asym_atl_dd_correction_mean vs Slug



Right In: 822.013 $\pm$ 705.800 χ^2 /NDF: 15.7/17

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

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

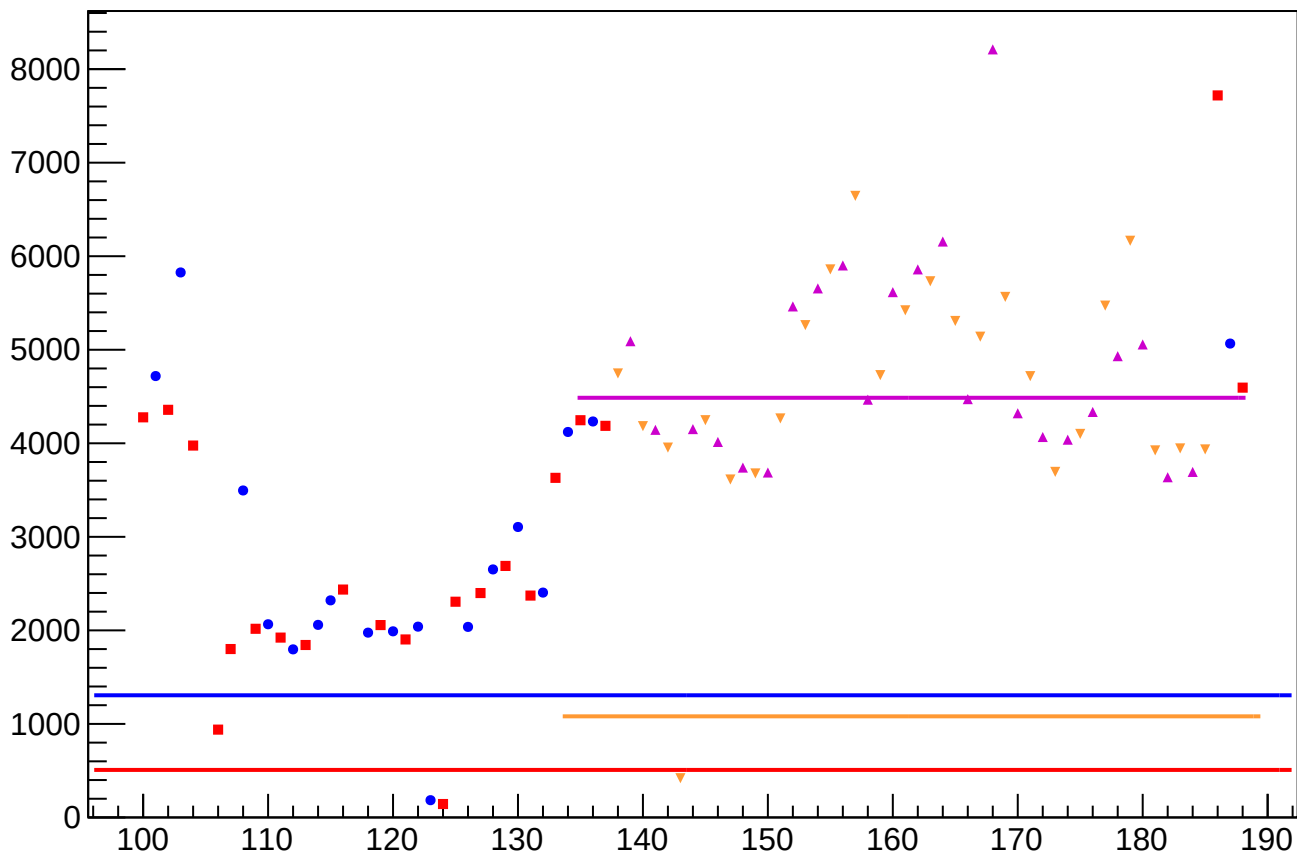
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 548.605 $\pm$ 373.591 χ^2 /NDF: 49.8/42

All: 233.729 $\pm$ 250.941 χ^2 /NDF: 96.4/86

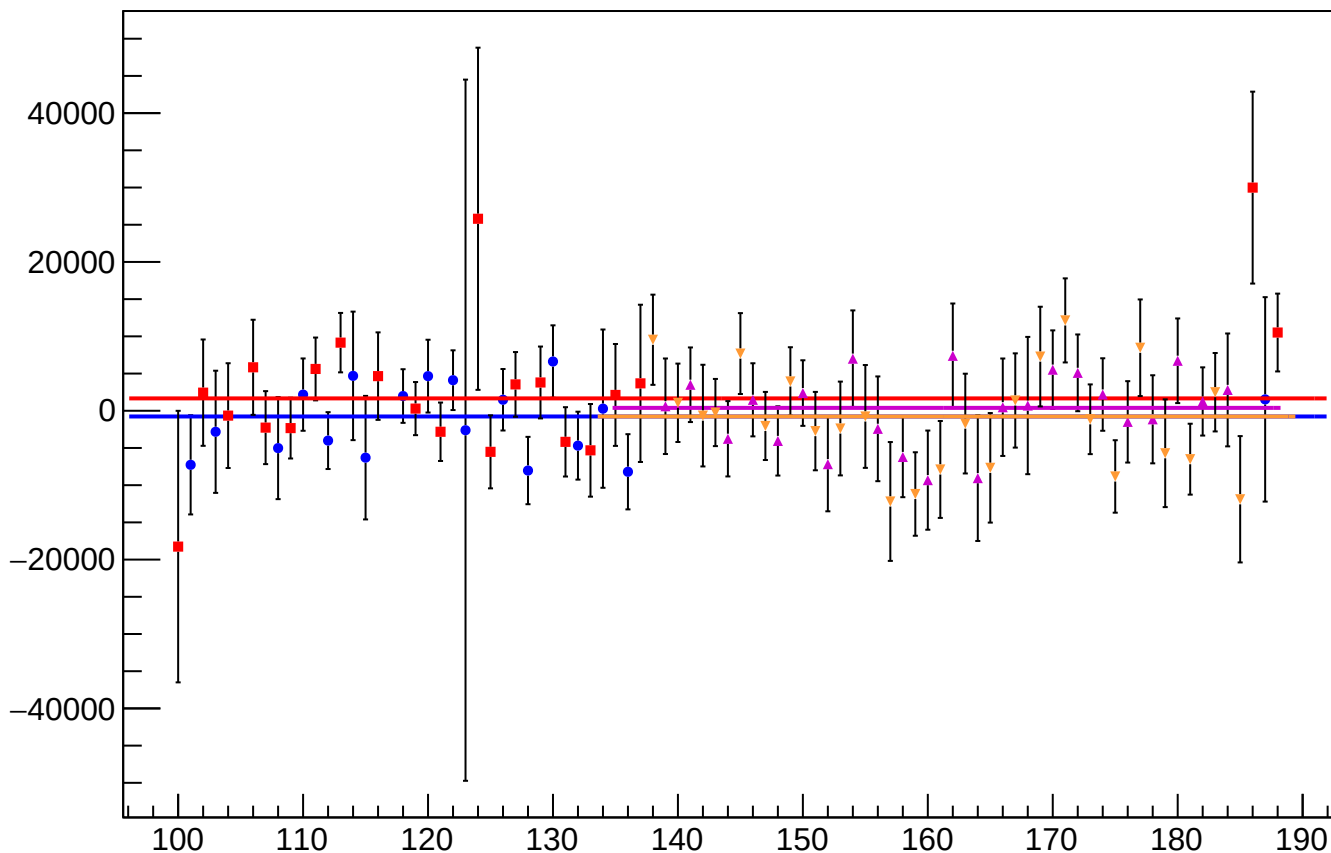
- sign -25.128 $\pm$ 338.732 χ^2 /NDF: 45.3/43

asym_atl_dd_correction_rms vs Slug



Right In: 1306.117 $\pm$ 0.499	χ^2 /NDF: 6676269.6/17	+ sign 1144.075 $\pm$ 0.264	χ^2 /NDF: 31278965.4/42
Left Out: 1081.004 $\pm$ 0.311	χ^2 /NDF: 24456244.2/24	All: 1004.080 $\pm$ 0.177	χ^2 /NDF: 69045663.5/8
Right Out: 508.172 $\pm$ 0.252	χ^2 /NDF: 12192603.2/20	- sign 888.993 $\pm$ 0.240	χ^2 /NDF: 37254983.7/43
Left In: 4486.570 $\pm$ 0.774	χ^2 /NDF: 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -767.172 ± 1260.196 χ^2/NDF : 14.7/17

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

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

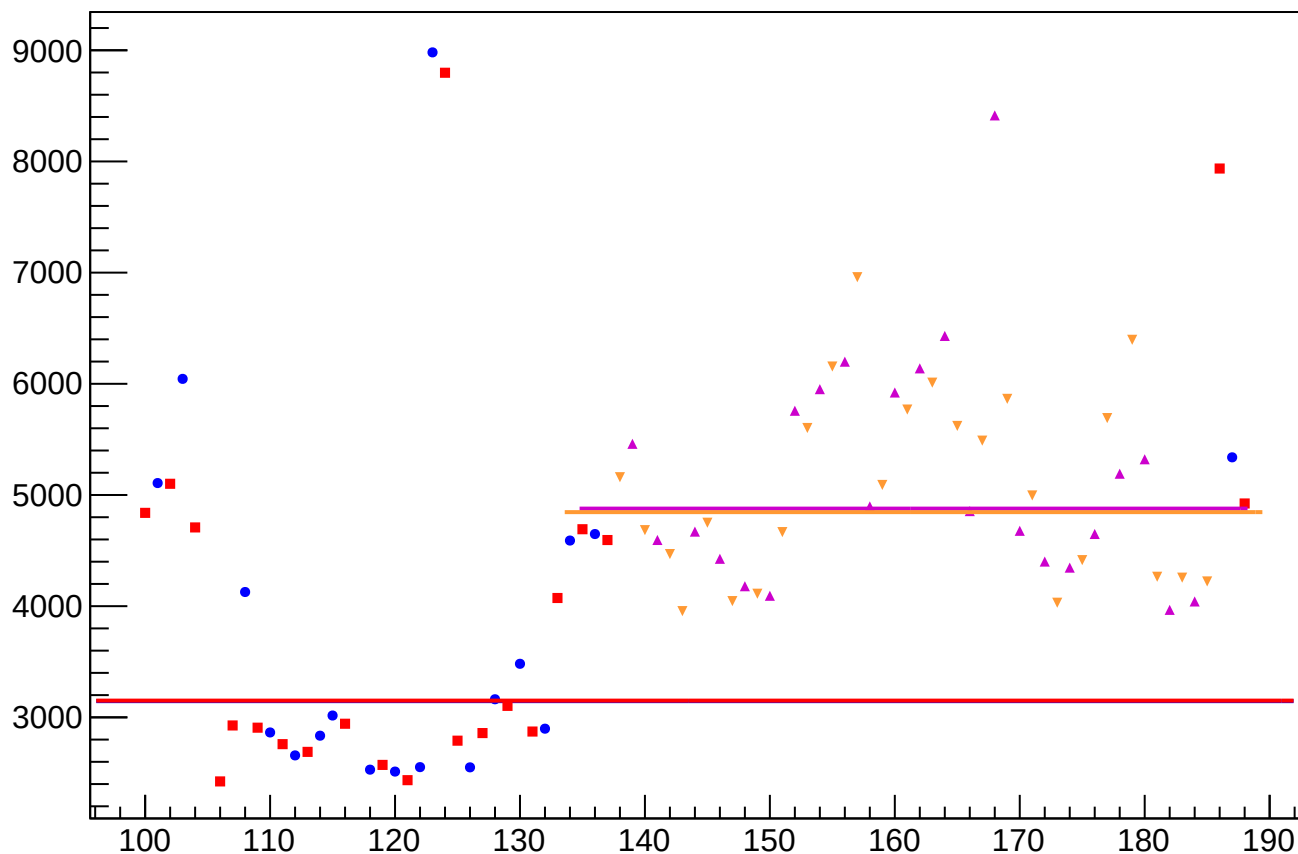
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -766.535 ± 848.403 χ^2/NDF : 44.7/42

All: 157.412 ± 593.006 χ^2/NDF : 85.4/86

- sign 1040.005 ± 829.200 χ^2/NDF : 38.4/43

asym_atl_dd_rms vs Slug



Right In: 3145.721+/-0.891 χ^2/NDF : 994186.3/17

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

Right Out: 3150.541+/-0.810 χ^2/NDF : 1321216.2/20

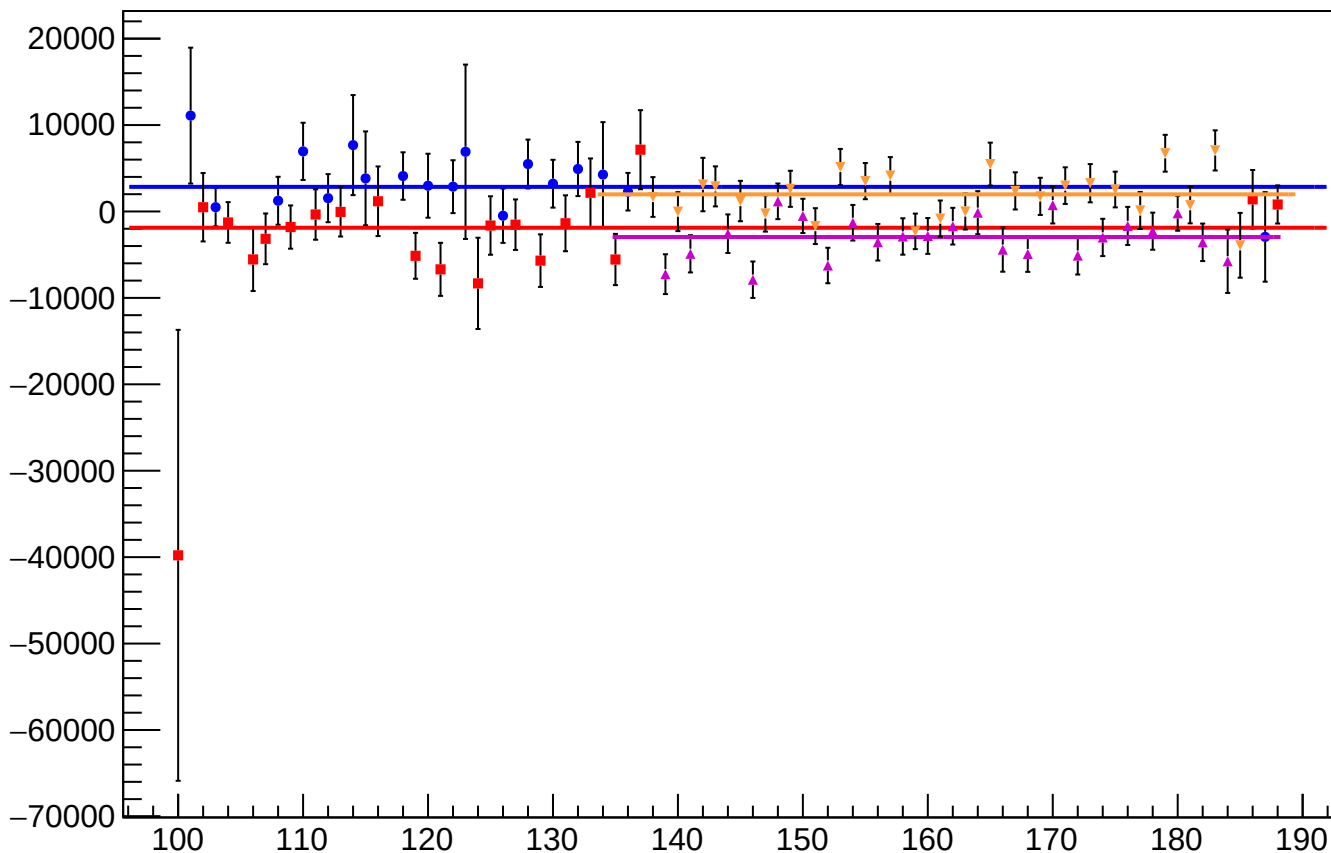
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4075.240+/-0.600 χ^2/NDF : 3893482.9/42

All: 4028.304+/-0.418 χ^2/NDF : 8377916.1/80

- sign 3984.013+/-0.583 χ^2/NDF : 4472535.5/43

reg_asym_atr_avg_mean vs Slug



Right In: 2847.954 ± 768.984 χ^2/NDF : 9.2/17

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

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

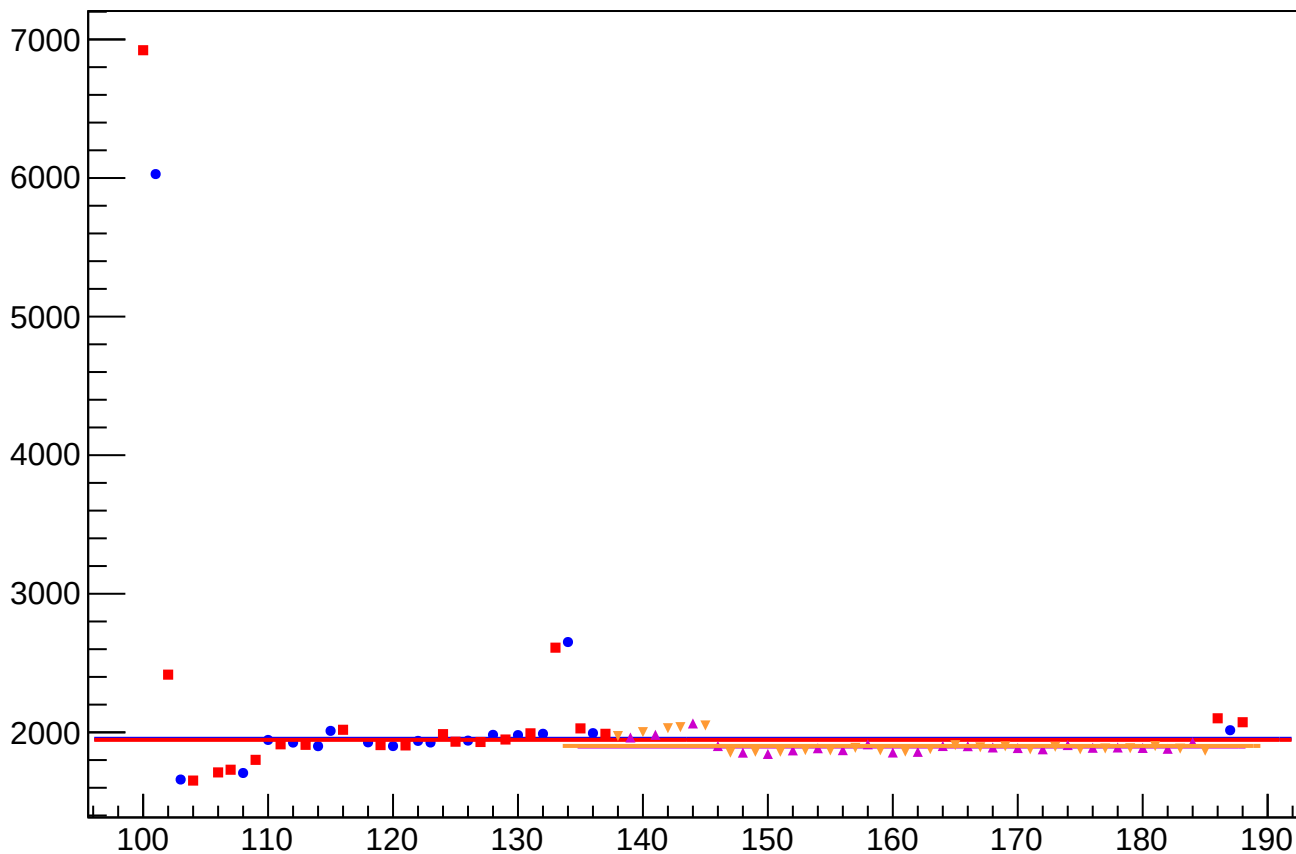
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2200.520 ± 383.983 χ^2/NDF : 42.6/42

All: -243.982 ± 269.879 χ^2/NDF : 173.8/86

- sign -2630.368 ± 379.391 χ^2/NDF : 51.1/43

reg_asym_atr_avg_rms vs Slug



Right In: 1953.499+/-0.544 χ^2/NDF : 617680.6/17

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

Right Out: 1945.745+/-0.486 χ^2/NDF : 230075.3/20

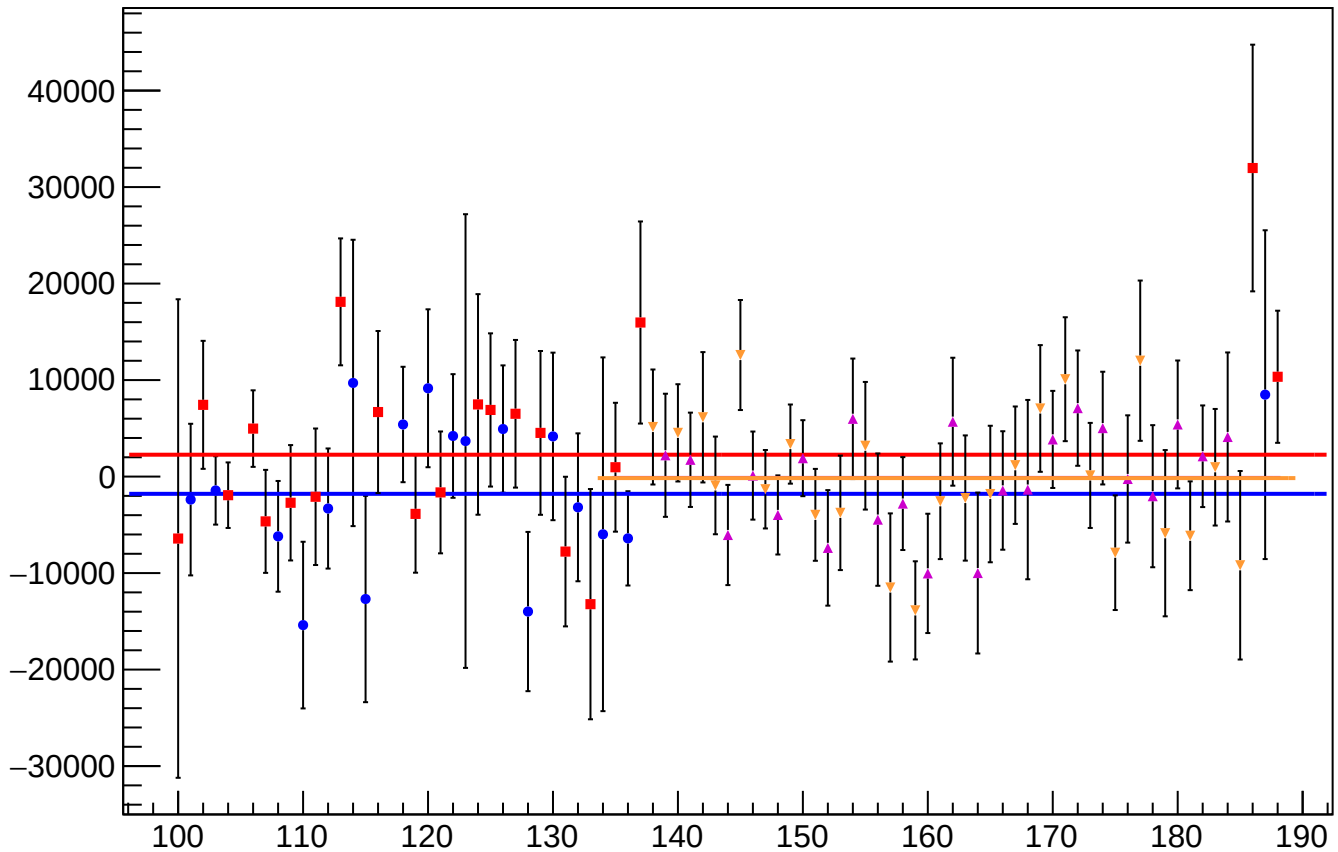
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1914.753+/-0.272 χ^2/NDF : 654891.3/42

All: 1913.433+/-0.191 χ^2/NDF : 913060.0/86

- sign 1912.146+/-0.268 χ^2/NDF : 258122.1/43

asym_atr_avg_correction_mean vs Slug



Right In: -1787.354+/-1657.116 χ^2/NDF : 14.0/17

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

Right Out: 2266.426+/-1437.081 χ^2/NDF : 25.8/20

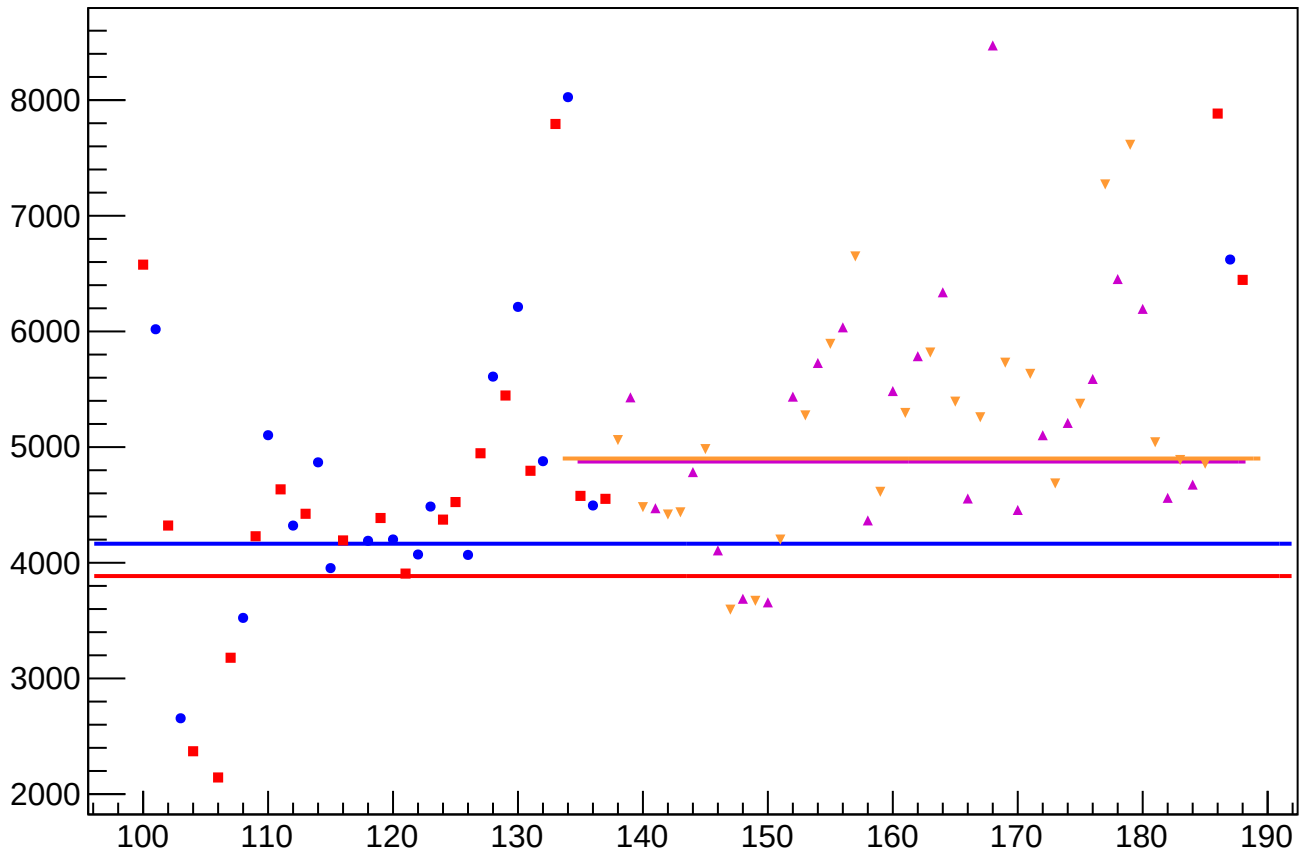
Left In: -139.000+/-1190.889 χ^2/NDF : 14.7/22

+ sign -697.152+/-953.509 χ^2/NDF : 44.1/42

All: 101.622+/-660.932 χ^2/NDF : 87.6/86

- sign 840.330+/-916.959 χ^2/NDF : 42.2/43

asym_atr_avg_correction_rms vs Slug



Right In: 4164.731+/-1.172 χ^2/NDF : 860134.3/17

Left Out: 4901.357+/-0.824 χ^2/NDF : 1136916.0/24

Right Out: 3885.153+/-1.016 χ^2/NDF : 1779612.0/20

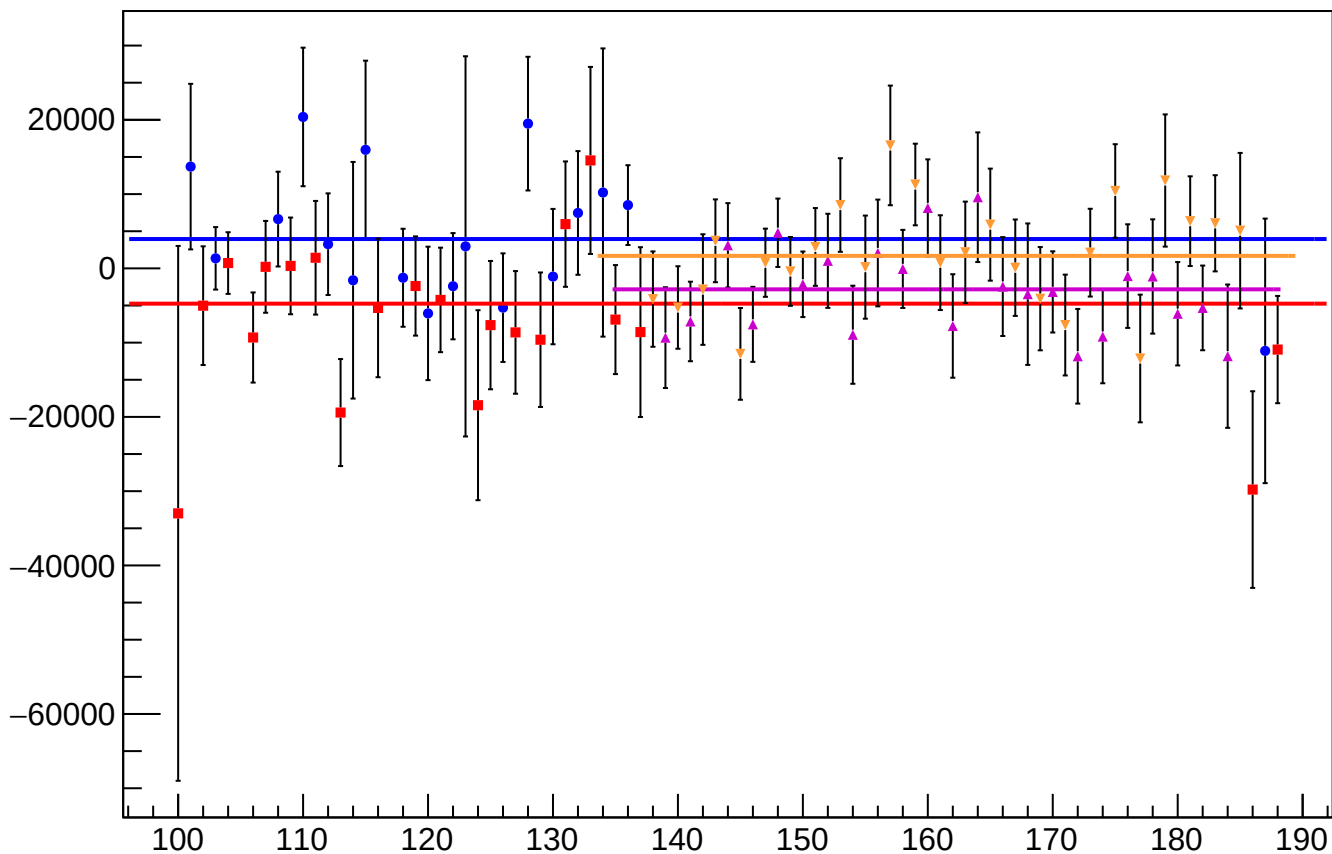
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4657.469+/-0.674 χ^2/NDF : 2261404.8/42

All: 4561.146+/-0.467 χ^2/NDF : 5872175.7/80

- sign 4472.066+/-0.648 χ^2/NDF : 3571486.3/43

asym_atr_avg_mean vs Slug



Right In: 3949.322 $\pm$ 1865.921 χ^2 /NDF: 14.8/17

Left Out: 1686.531 $\pm$ 1261.650 χ^2 /NDF: 25.4/24

Right Out: -4751.933 $\pm$ 1667.519 χ^2 /NDF: 19.3/20

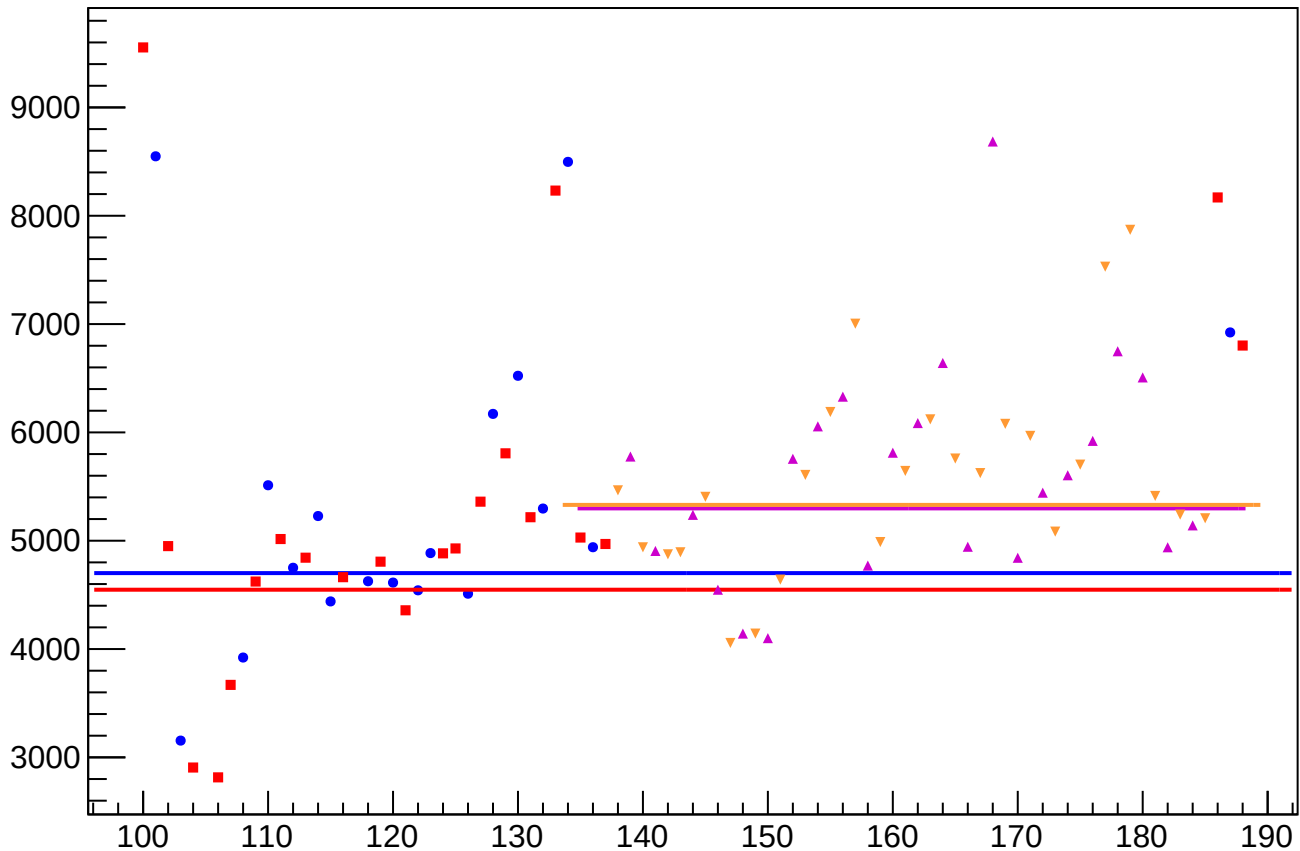
Left In: -2824.078 $\pm$ 1288.414 χ^2 /NDF: 18.0/22

+ sign 2396.471 $\pm$ 1045.157 χ^2 /NDF: 41.2/42

All: -647.848 $\pm$ 729.812 χ^2 /NDF: 96.0/86

- sign -3544.755 $\pm$ 1019.539 χ^2 /NDF: 38.2/43

asym_atr_avg_rms vs Slug



Right In: 4701.063 ± 1.319 χ^2/NDF : 814508.2/17

Left Out: 5330.725 ± 0.892 χ^2/NDF : 868061.7/24

Right Out: 4547.734 ± 1.173 χ^2/NDF : 1202209.8/20

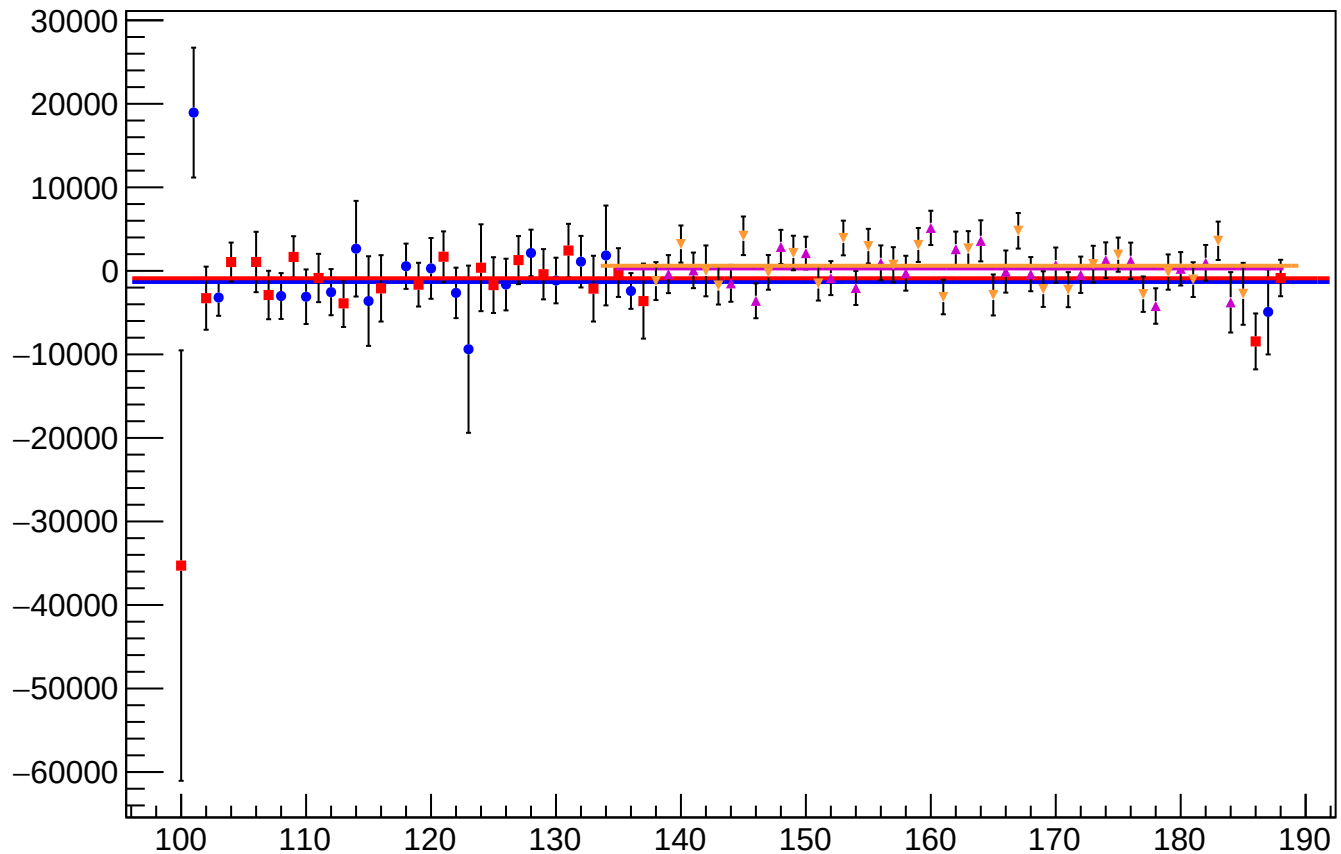
Left In: 5298.329 ± 0.911 χ^2/NDF : 956021.6/22

+ sign 5133.172 ± 0.739 χ^2/NDF : 1838864.3/42

All: 5072.929 ± 0.516 χ^2/NDF : 4265505.1/80

- sign 5015.835 ± 0.719 χ^2/NDF : 2413698.6/43

reg_asym_atr_dd_mean vs Slug



Right In: -1327.131 ± 758.876 χ^2/NDF : 13.8/17

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -887.128 ± 679.875 χ^2/NDF : 14.2/20

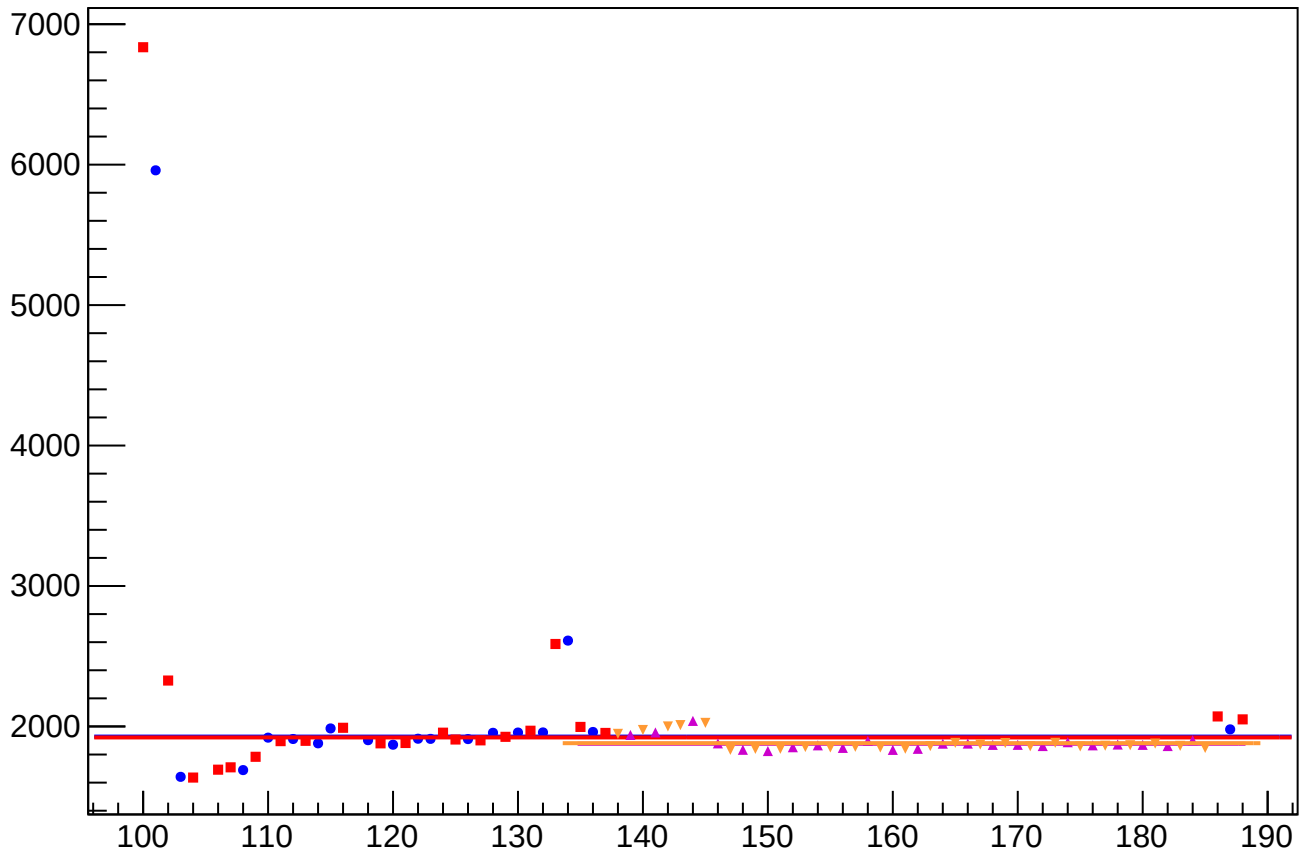
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign 127.243 ± 379.520 χ^2/NDF : 51.4/42

All: 29.449 ± 266.750 χ^2/NDF : 91.4/86

- sign -66.031 ± 375.002 χ^2/NDF : 39.9/43

reg_asym_atr_dd_rms vs Slug



Right In: 1927.859+/-0.537 χ^2/NDF : 616106.5/17

Left Out: 1880.808+/-0.310 χ^2/NDF : 28655.5/24

Right Out: 1921.701+/-0.480 χ^2/NDF : 223673.7/20

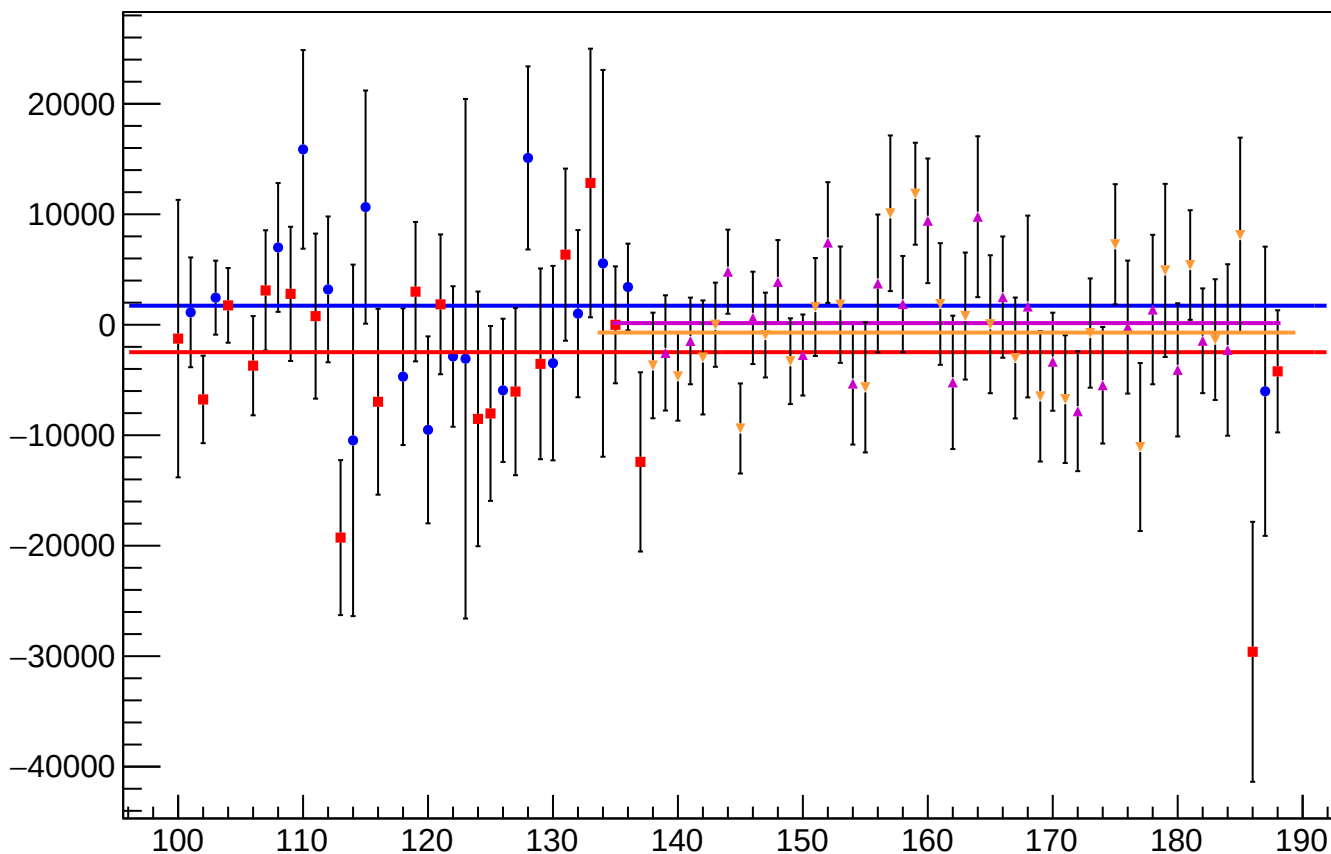
Left In: 1876.685+/-0.318 χ^2/NDF : 20499.7/22

+ sign 1892.576+/-0.268 χ^2/NDF : 650527.3/42

All: 1891.483+/-0.189 χ^2/NDF : 900850.8/86

- sign 1890.418+/-0.265 χ^2/NDF : 250290.7/43

asym_atr_dd_correction_mean vs Slug



Right In: 1724.723+/-1549.006 χ^2/NDF : 13.1/17

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

Right Out: -2483.277+/-1362.127 χ^2/NDF : 23.1/20

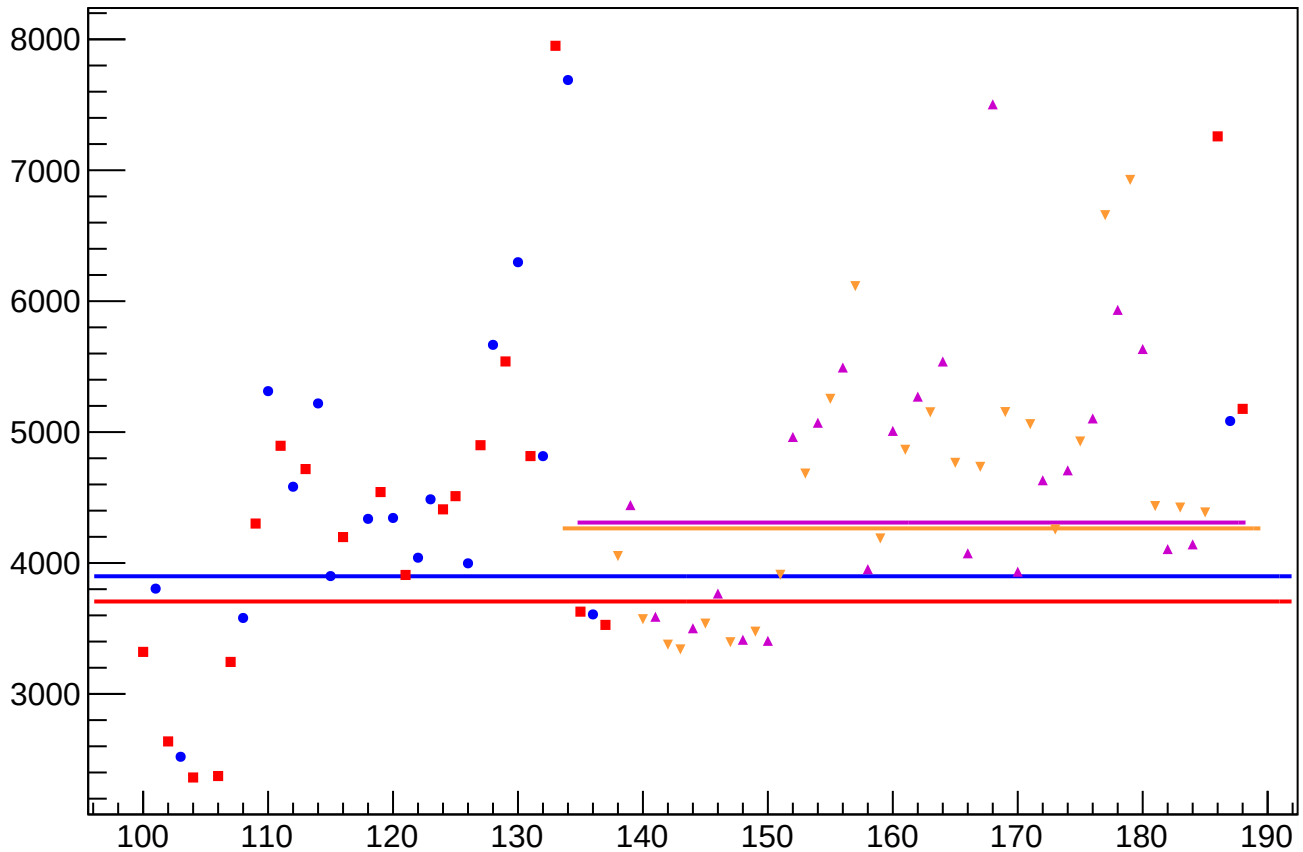
Left In: 150.495+/-1053.655 χ^2/NDF : 16.9/22

+ sign 25.650+/-850.564 χ^2/NDF : 41.9/42

All: -413.683+/-595.284 χ^2/NDF : 84.7/86

- sign -835.479+/-833.415 χ^2/NDF : 42.3/43

asym_atr_dd_correction_rms vs Slug



Right In: 3898.750+/-1.095 χ^2/NDF : 838620.1/17

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 3706.087+/-0.963 χ^2/NDF : 1587818.4/20

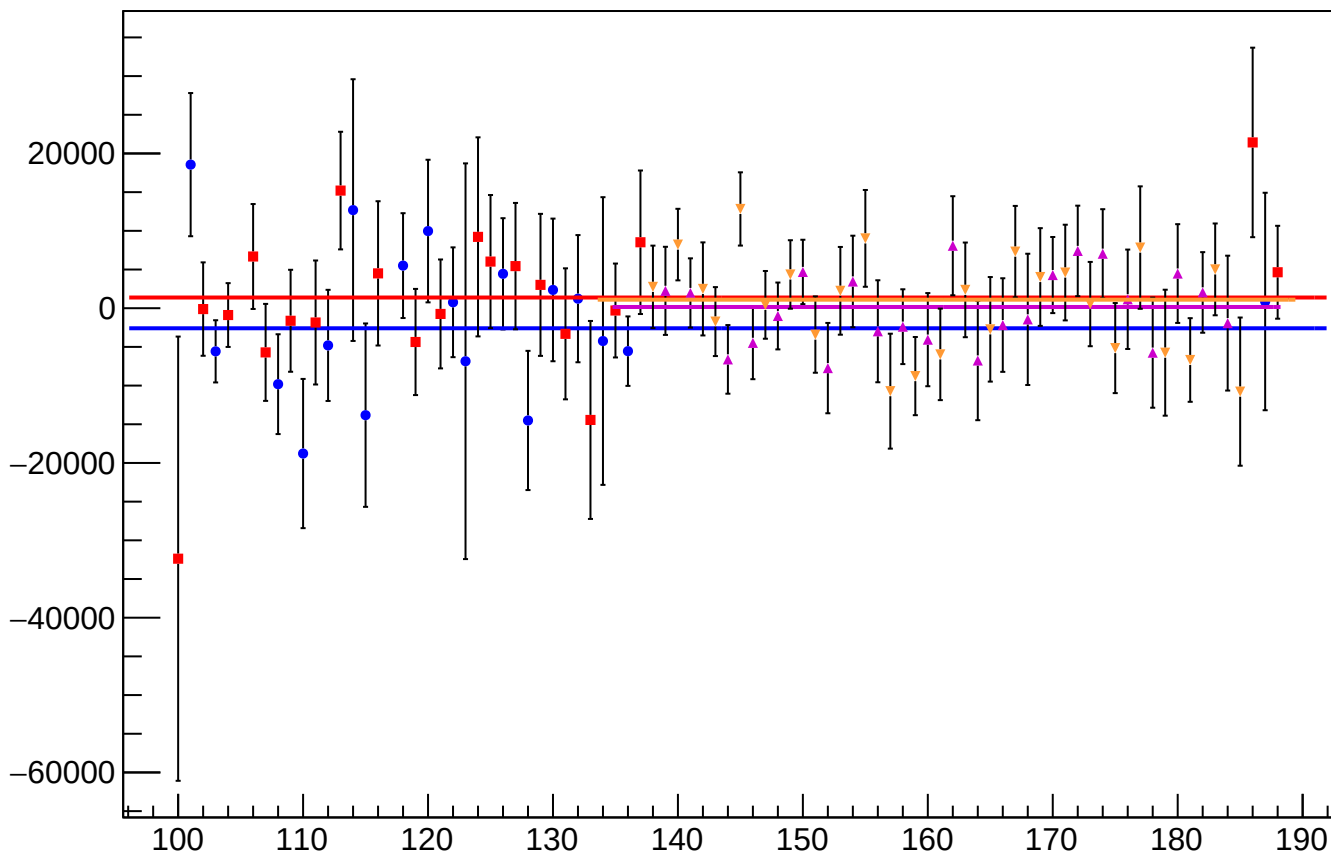
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4154.174+/-0.601 χ^2/NDF : 2271376.8/42

All: 4118.024+/-0.421 χ^2/NDF : 5416585.9/86

- sign 4083.316+/-0.589 χ^2/NDF : 3138127.6/43

asym_atr_dd_mean vs Slug



Right In: -2593.204 $\pm$ 1798.478 χ^2 /NDF: 18.9/17

Left Out: 1102.204 $\pm$ 1126.663 χ^2 /NDF: 28.6/24

Right Out: 1382.448 $\pm$ 1615.412 χ^2 /NDF: 14.6/20

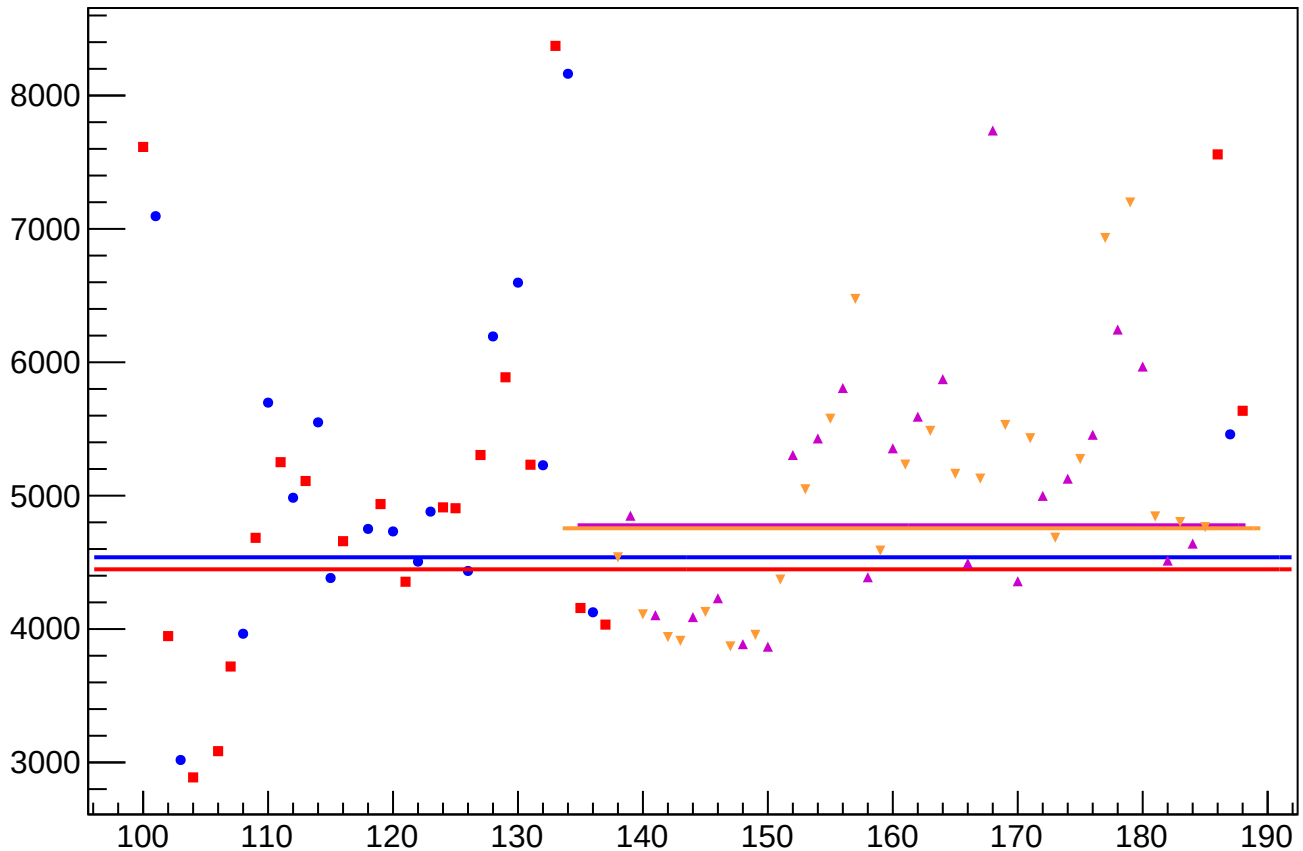
Left In: 158.683 $\pm$ 1161.507 χ^2 /NDF: 15.5/22

+ sign 60.696 $\pm$ 954.784 χ^2 /NDF: 50.5/42

All: 321.404 $\pm$ 670.945 χ^2 /NDF: 81.2/86

- sign 575.739 $\pm$ 943.043 χ^2 /NDF: 30.6/43

asym_atr_dd_rms vs Slug



Right In: 4538.120+/-1.272 χ^2/NDF : 785357.4/17

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 4447.899+/-1.136 χ^2/NDF : 996966.8/20

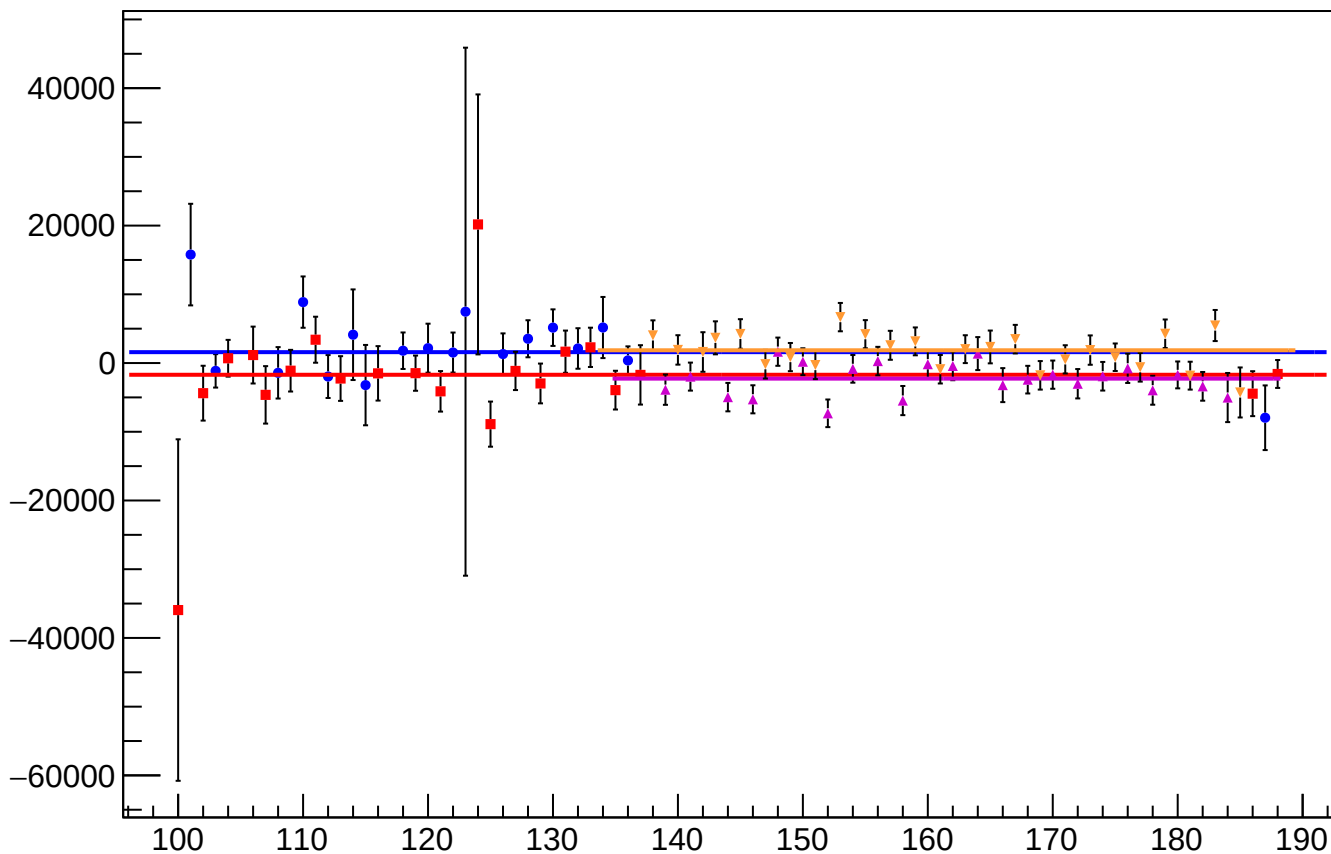
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4694.150+/-0.675 χ^2/NDF : 1759646.5/42

All: 4679.185+/-0.474 χ^2/NDF : 3763238.6/80

- sign 4664.636+/-0.666 χ^2/NDF : 2002623.1/43

reg_asym_at1_avg_mean vs Slug



Right In: 1584.631 $\pm$ 775.078 χ^2 /NDF: 19.0/17

Left Out: 1856.570 $\pm$ 430.977 χ^2 /NDF:30.0/24

Right Out: -1706.516 $\pm$ 701.600 χ^2 /NDF: 18.0/20

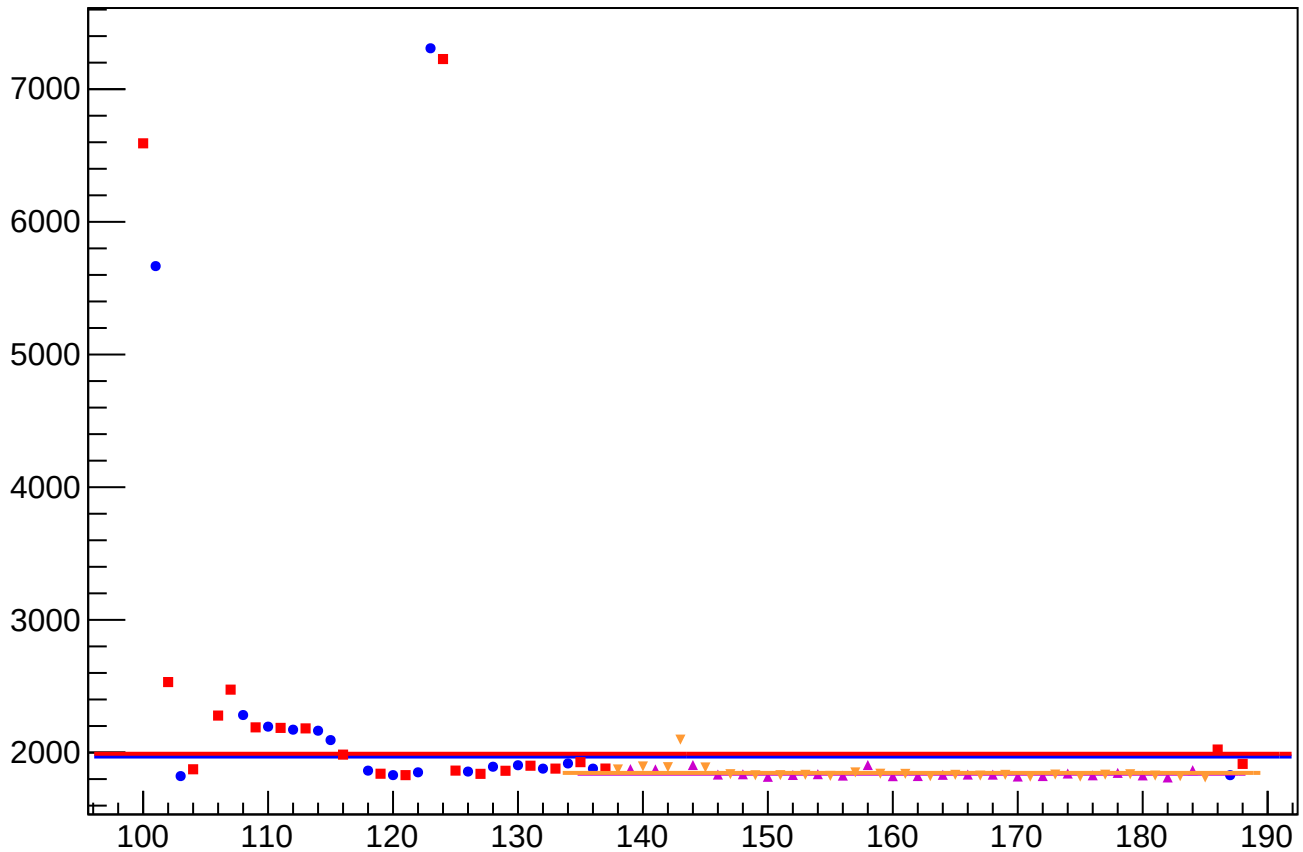
Left In: -2268.464 $\pm$ 441.710 χ^2 /NDF:26.9/22

+ sign 1792.348 $\pm$ 376.663 χ^2 /NDF: 49.1/42

All: -173.192 $\pm$ 265.323 χ^2 /NDF: 148.5/86

- sign -2108.952 $\pm$ 373.799 χ^2 /NDF: 45.4/43

reg_asym_at1_avg_rms vs Slug



Right In: 1969.894+/-0.548 χ^2/NDF : 601708.9/17

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1990.898+/-0.496 χ^2/NDF : 356928.4/20

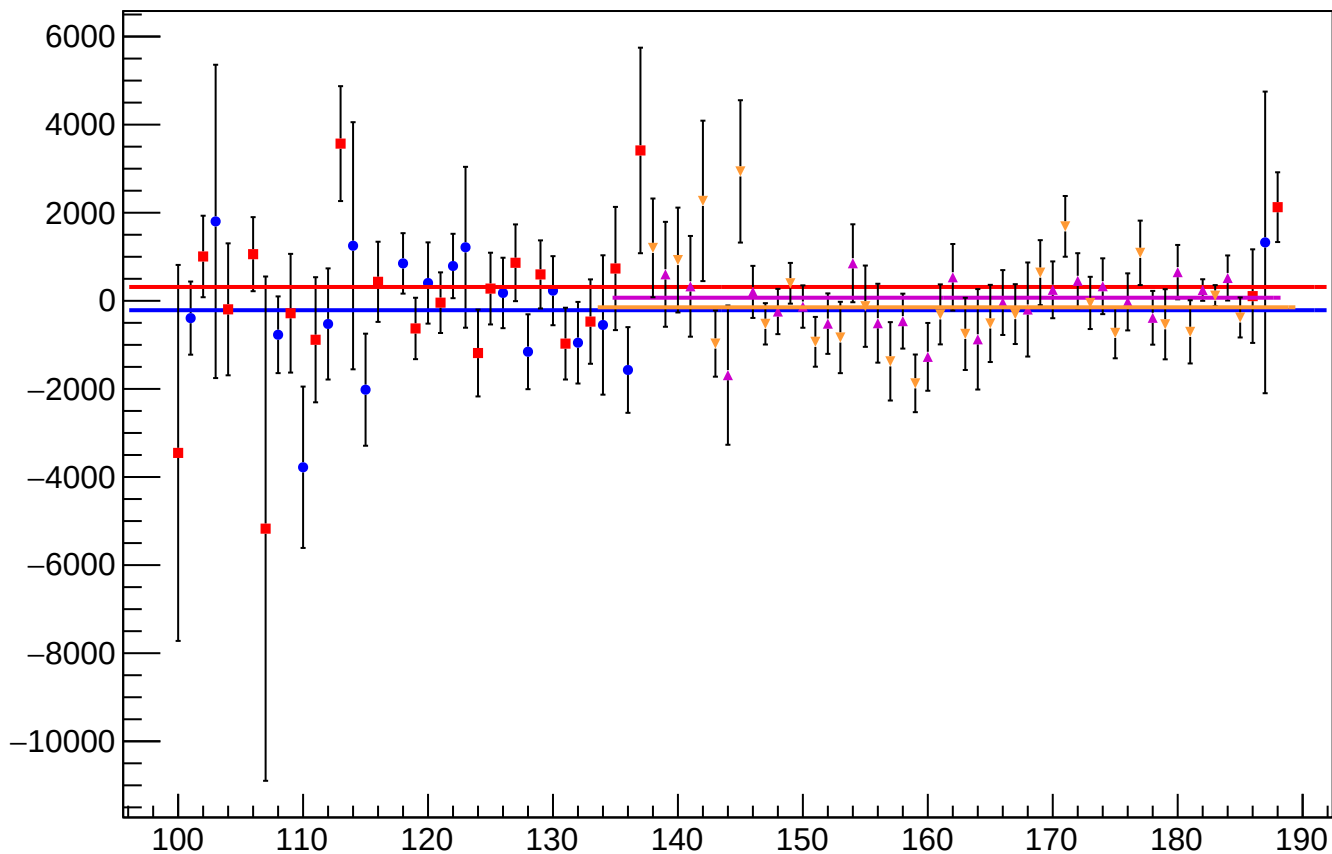
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1875.719+/-0.266 χ^2/NDF : 667667.2/42

All: 1879.499+/-0.188 χ^2/NDF : 1097515.6/80

- sign 1883.221+/-0.264 χ^2/NDF : 429448.7/43

asym_at1_avg_correction_mean vs Slug



Right In: -213.158 $\pm$ 240.613 χ^2/NDF : 16.9/17

Left Out: -146.999 $\pm$ 121.984 χ^2/NDF : 37.7/24

Right Out: 314.412 $\pm$ 216.050 χ^2/NDF : 25.5/20

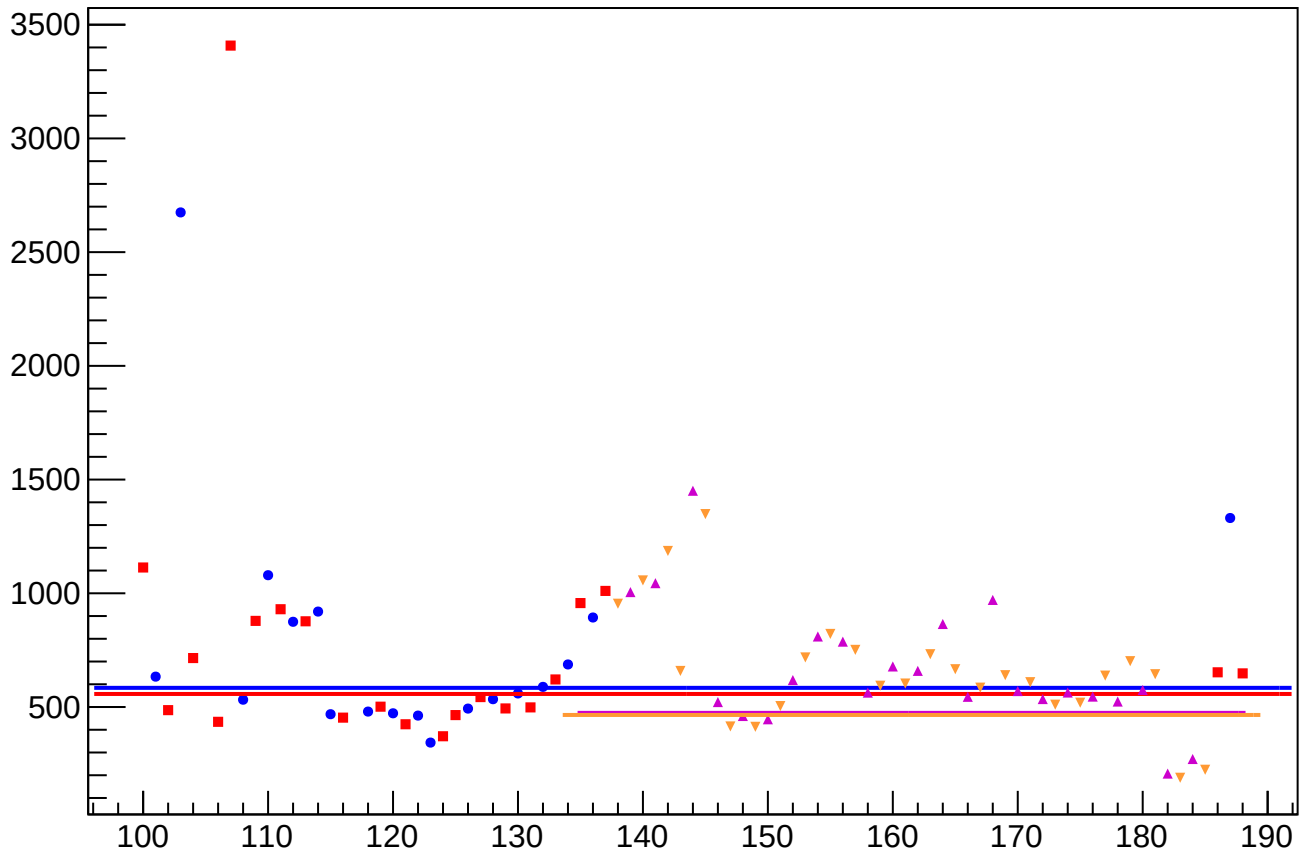
Left In: 70.340 $\pm$ 126.373 χ^2/NDF : 12.3/22

+ sign -160.526 $\pm$ 108.801 χ^2/NDF : 54.6/42

All: -14.363 $\pm$ 77.033 χ^2/NDF : 97.0/86

- sign 132.559 $\pm$ 109.083 χ^2/NDF : 38.8/43

asym_at1_avg_correction_rms vs Slug



Right In: 584.284+/-0.170 χ^2/NDF : 1509364.3/17

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

Right Out: 557.359+/-0.153 χ^2/NDF : 1503294.6/20

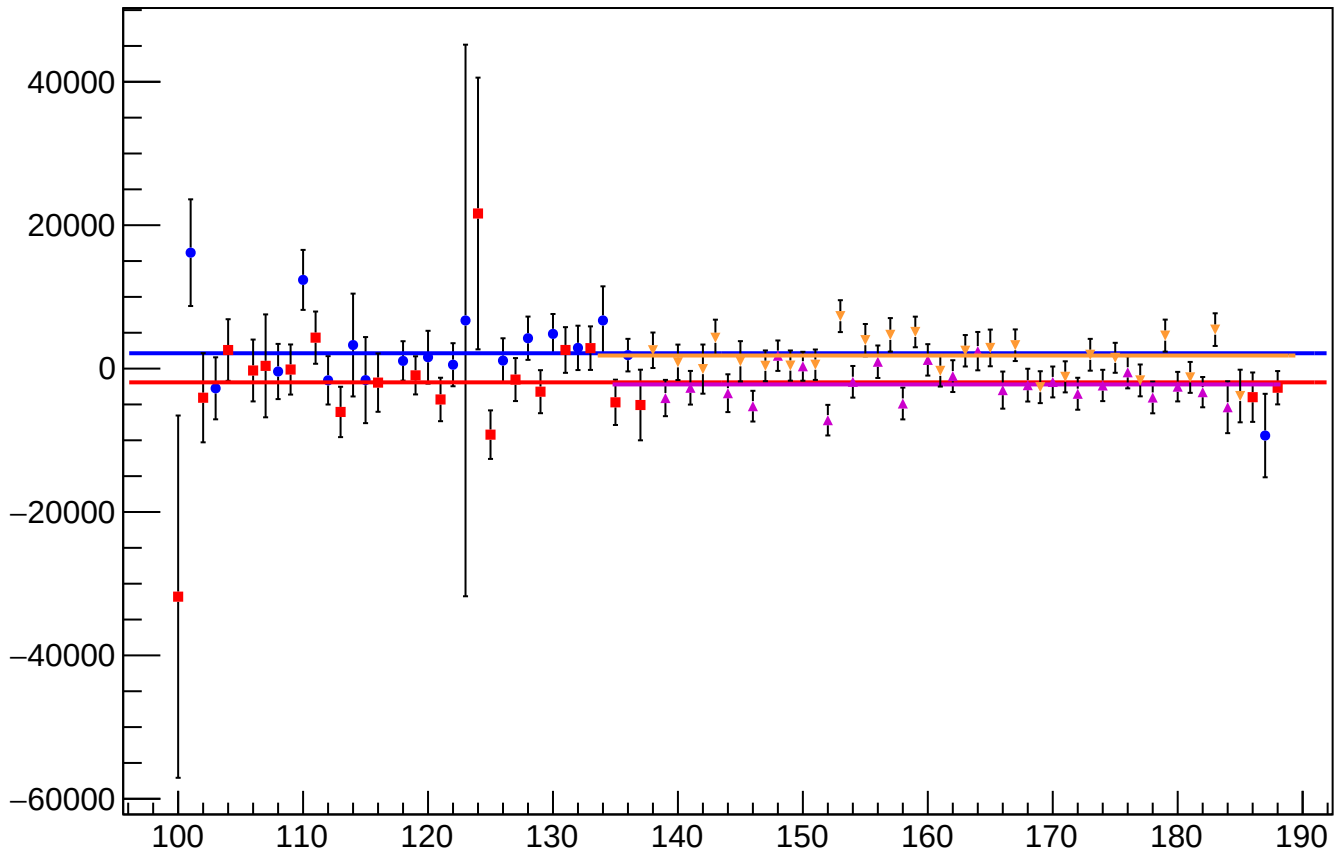
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 489.454+/-0.077 χ^2/NDF : 8986007.9/42

All: 492.442+/-0.054 χ^2/NDF : 16885864.7/80

- sign 495.445+/-0.077 χ^2/NDF : 7896831.8/43

asym_at1_avg_mean vs Slug



Right In: 2140.576 $\pm$ 856.251 χ^2 /NDF: 19.8/17

Left Out: 1824.066 $\pm$ 462.694 χ^2 /NDF:32.1/24

Right Out: -1918.429 $\pm$ 782.385 χ^2 /NDF: 20.7/20

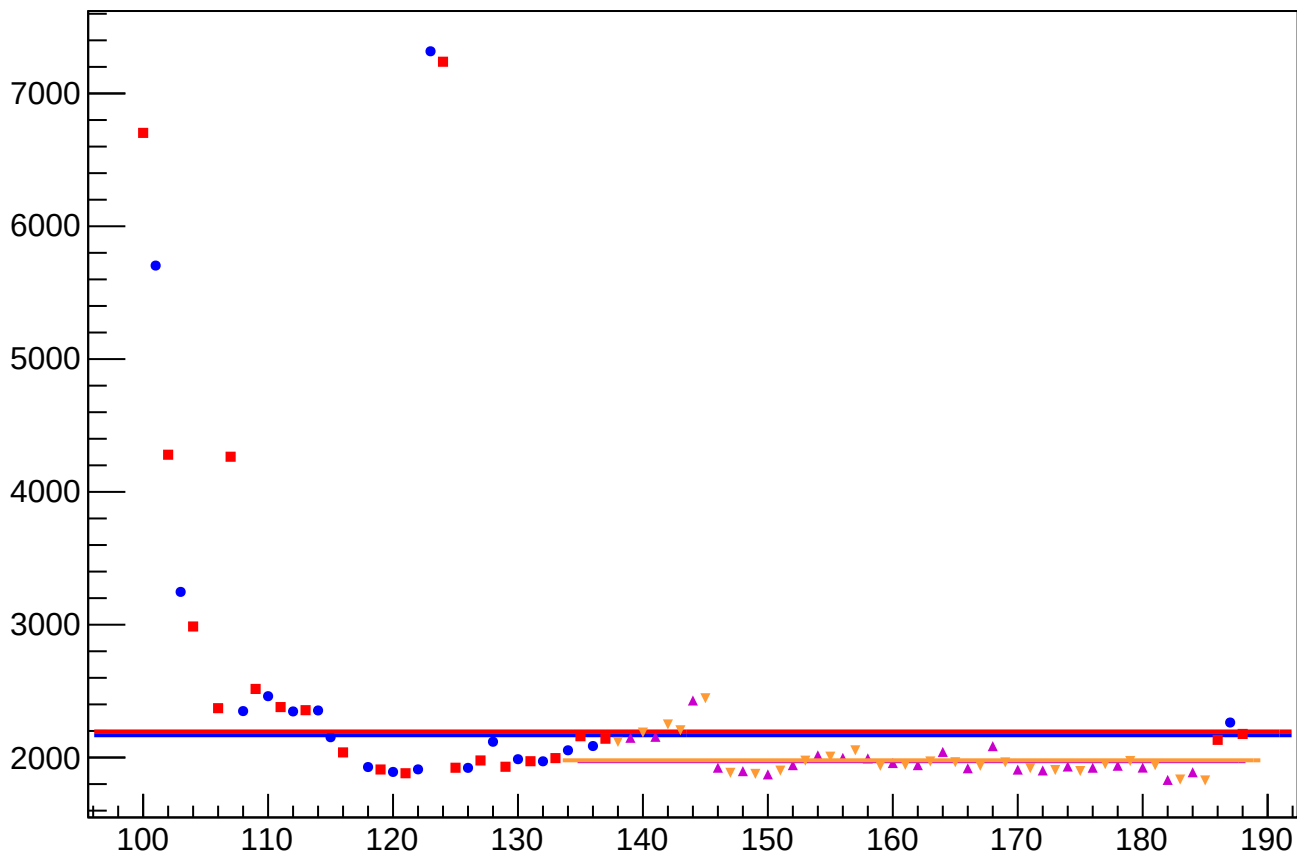
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 1895.599 $\pm$ 407.063 χ^2 /NDF: 52.0/42

All: -125.432 $\pm$ 287.260 χ^2 /NDF: 147.3/86

- sign -2130.323 $\pm$ 405.435 χ^2 /NDF: 46.2/43

asym_at1_avg_rms vs Slug



Right In: 2167.685 $\pm$ 0.605 χ^2 /NDF: 708360.5/17

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

Right Out: 2196.227 $\pm$ 0.553 χ^2 /NDF: 799989.7/20

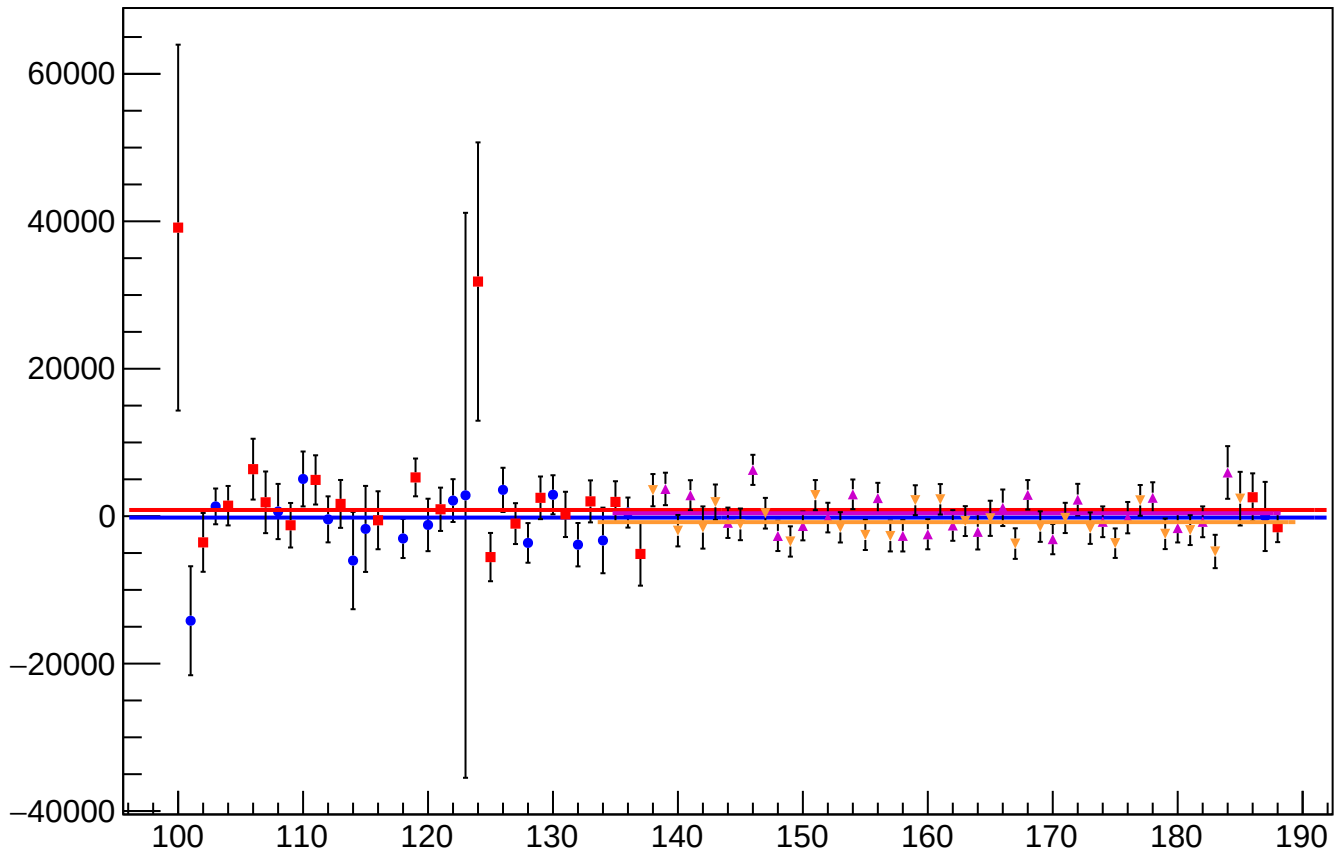
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF: 116452.5/22

+ sign 2021.642 $\pm$ 0.288 χ^2 /NDF: 922832.1/42

All: 2027.010 $\pm$ 0.203 χ^2 /NDF: 1959948.6/86

- sign 2032.335 $\pm$ 0.287 χ^2 /NDF: 1036423.9/43

reg_asym_at1_dd_mean vs Slug



Right In: -190.842 $\pm$ 773.627 χ^2 /NDF: 15.4/17

Left Out: -808.436 $\pm$ 430.304 χ^2 /NDF: 27.9/24

Right Out: 839.617 $\pm$ 699.876 χ^2 /NDF: 21.8/20

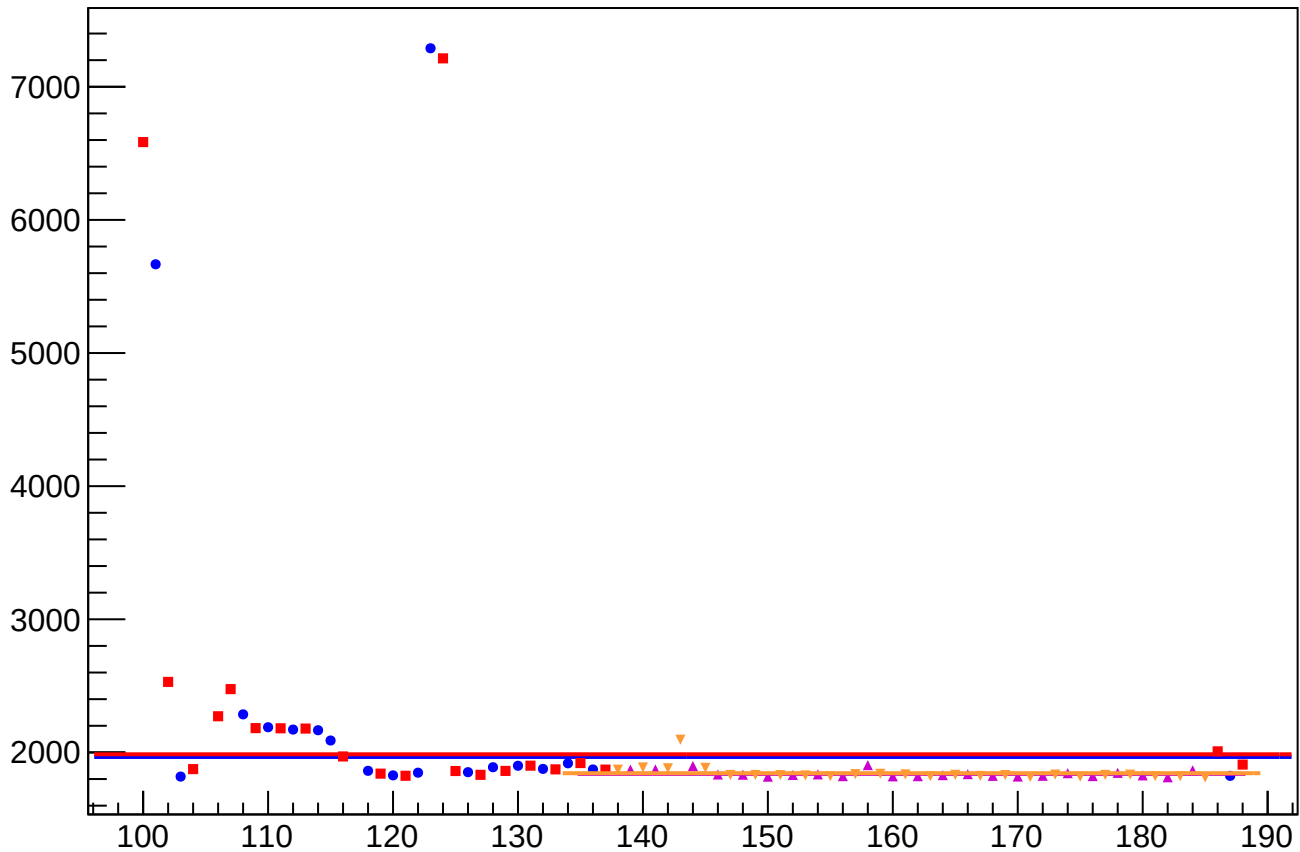
Left In: 398.797 $\pm$ 441.246 χ^2 /NDF: 34.4/22

+ sign -662.512 $\pm$ 376.048 χ^2 /NDF: 43.9/42

All: -64.746 $\pm$ 264.913 χ^2 /NDF: 105.4/86

- sign 524.179 $\pm$ 373.256 χ^2 /NDF: 56.5/43

reg_asym_at1_dd_rms vs Slug



Right In: 1965.981+/-0.547 χ^2/NDF : 603886.2/17

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1985.921+/-0.495 χ^2/NDF : 357628.8/20

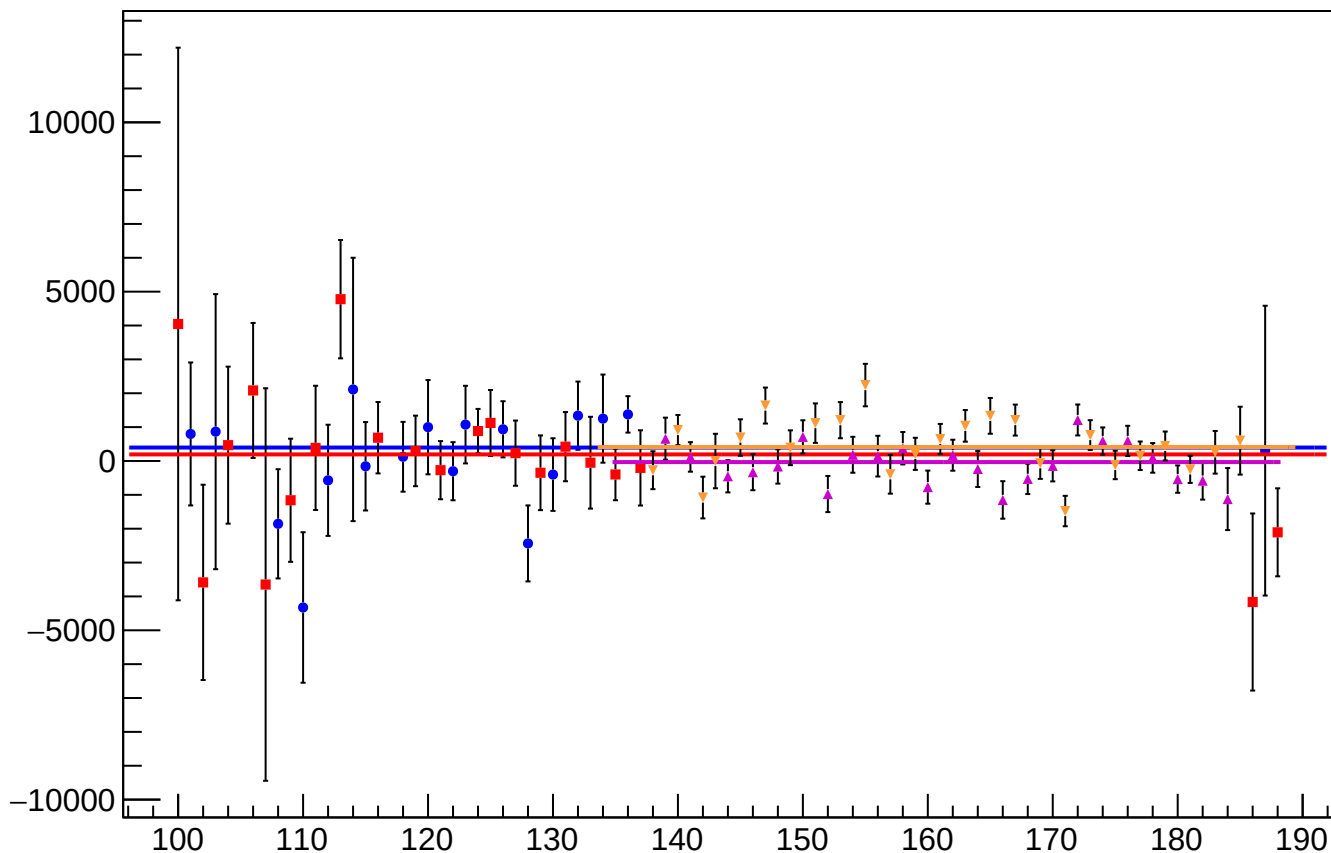
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1872.628+/-0.266 χ^2/NDF : 668885.7/42

All: 1876.599+/-0.187 χ^2/NDF : 1096694.7/80

- sign 1880.510+/-0.264 χ^2/NDF : 427366.3/43

asym_at1_dd_correction_mean vs Slug



Right In: 396.336 $\pm$ 270.384 χ^2/NDF : 20.5/17

Left Out: 411.072 $\pm$ 100.456 χ^2/NDF : 61.2/24

Right Out: 193.837 $\pm$ 260.138 χ^2/NDF : 20.3/20

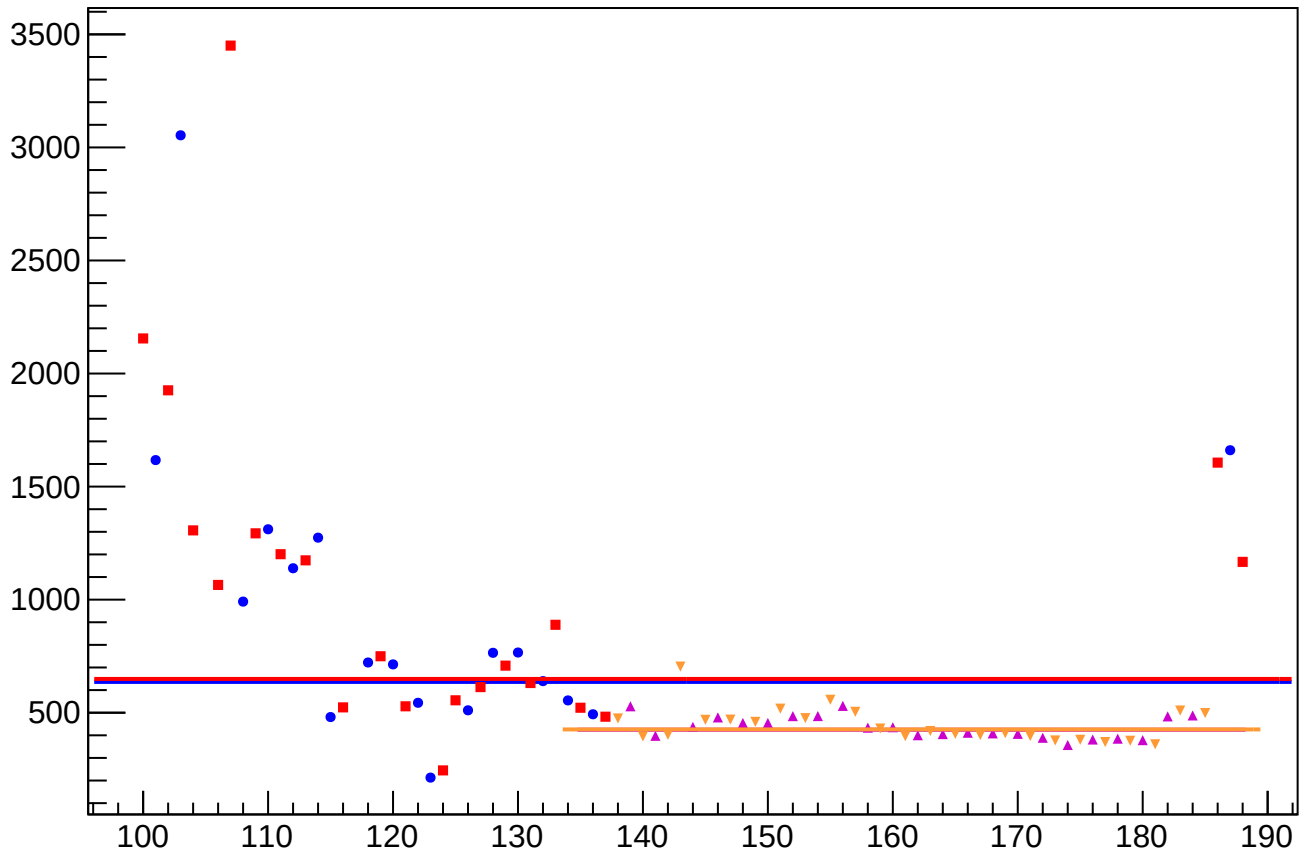
Left In: -32.456 $\pm$ 102.403 χ^2/NDF : 32.7/22

+ sign 409.284 $\pm$ 94.167 χ^2/NDF : 81.6/42

All: 206.026 $\pm$ 66.978 χ^2/NDF : 144.7/86

- sign -2.095 $\pm$ 95.286 χ^2/NDF : 53.6/43

asym_at1_dd_correction_rms vs Slug



Right In: 636.201 $\pm$ 0.191 χ^2 /NDF: 2373571.3/17

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

+ sign 451.520 $\pm$ 0.067 χ^2 /NDF: 4168507.9/42

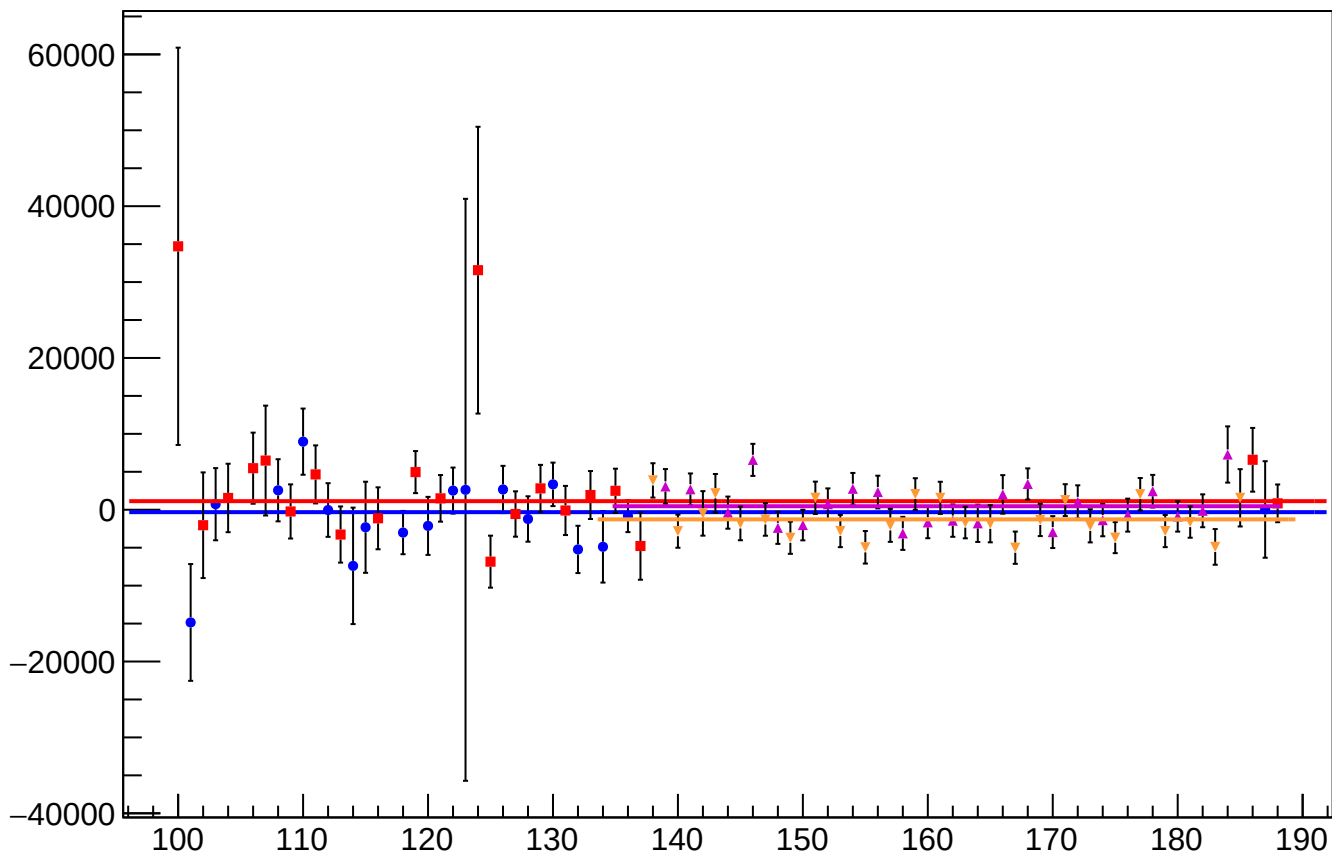
Right Out: 649.322 $\pm$ 0.184 χ^2 /NDF: 3415990.0/20

All: 453.133 $\pm$ 0.047 χ^2 /NDF: 9269108.1/86

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

- sign 454.784 $\pm$ 0.067 χ^2 /NDF: 5099412.8/43

asym_at1_dd_mean vs Slug



Right In: -318.093 ± 866.205 χ^2/NDF : 17.7/17

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 1130.884 ± 806.112 χ^2/NDF : 20.4/20

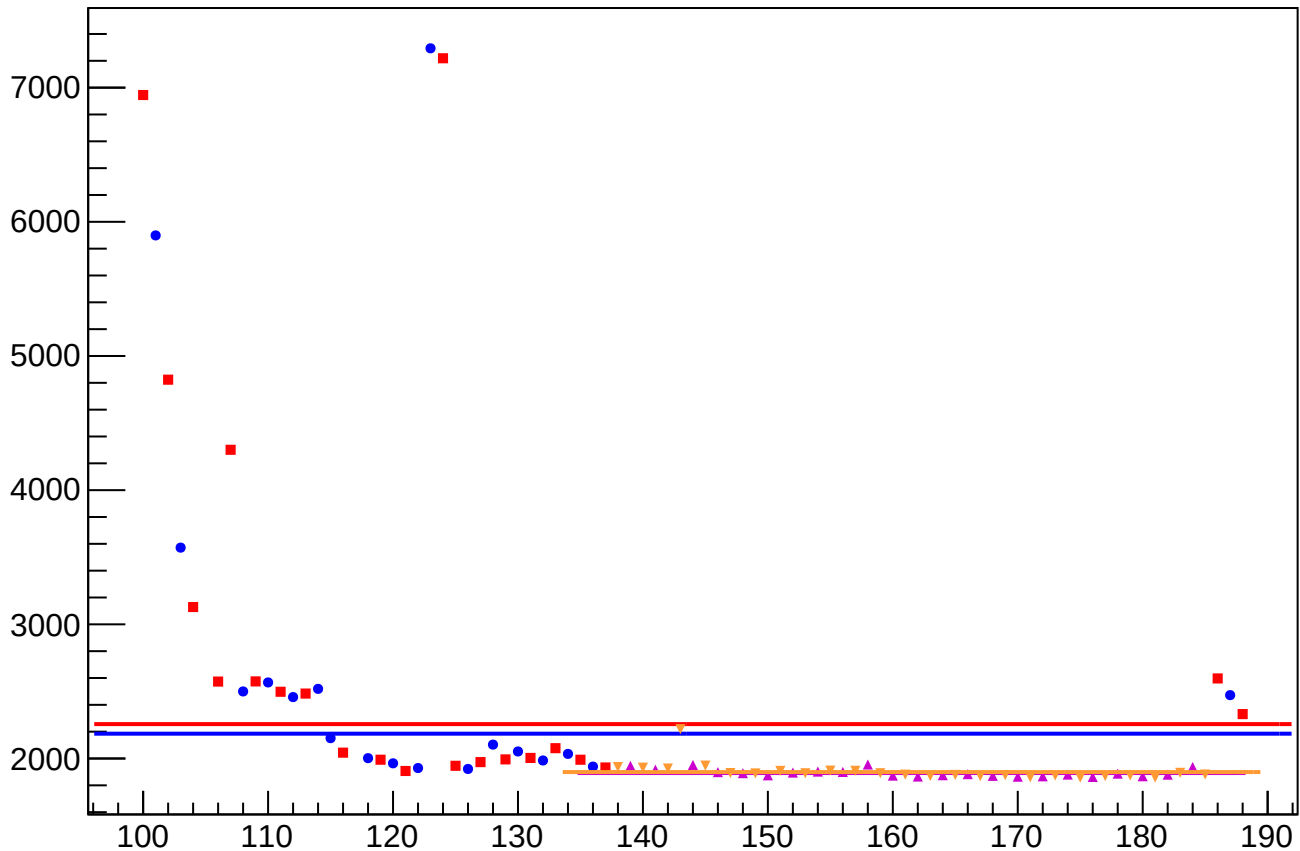
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1070.812 ± 394.567 χ^2/NDF : 49.5/42

All: -225.748 ± 279.345 χ^2/NDF : 112.2/86

- sign 623.499 ± 395.542 χ^2/NDF : 53.5/43

asym_at1_dd_rms vs Slug



Right In: 2184.954+/-0.612 χ^2/NDF : 804991.0/17

Left Out: 1898.962+/-0.313 χ^2/NDF : 38680.4/24

Right Out: 2256.345+/-0.570 χ^2/NDF : 908444.1/20

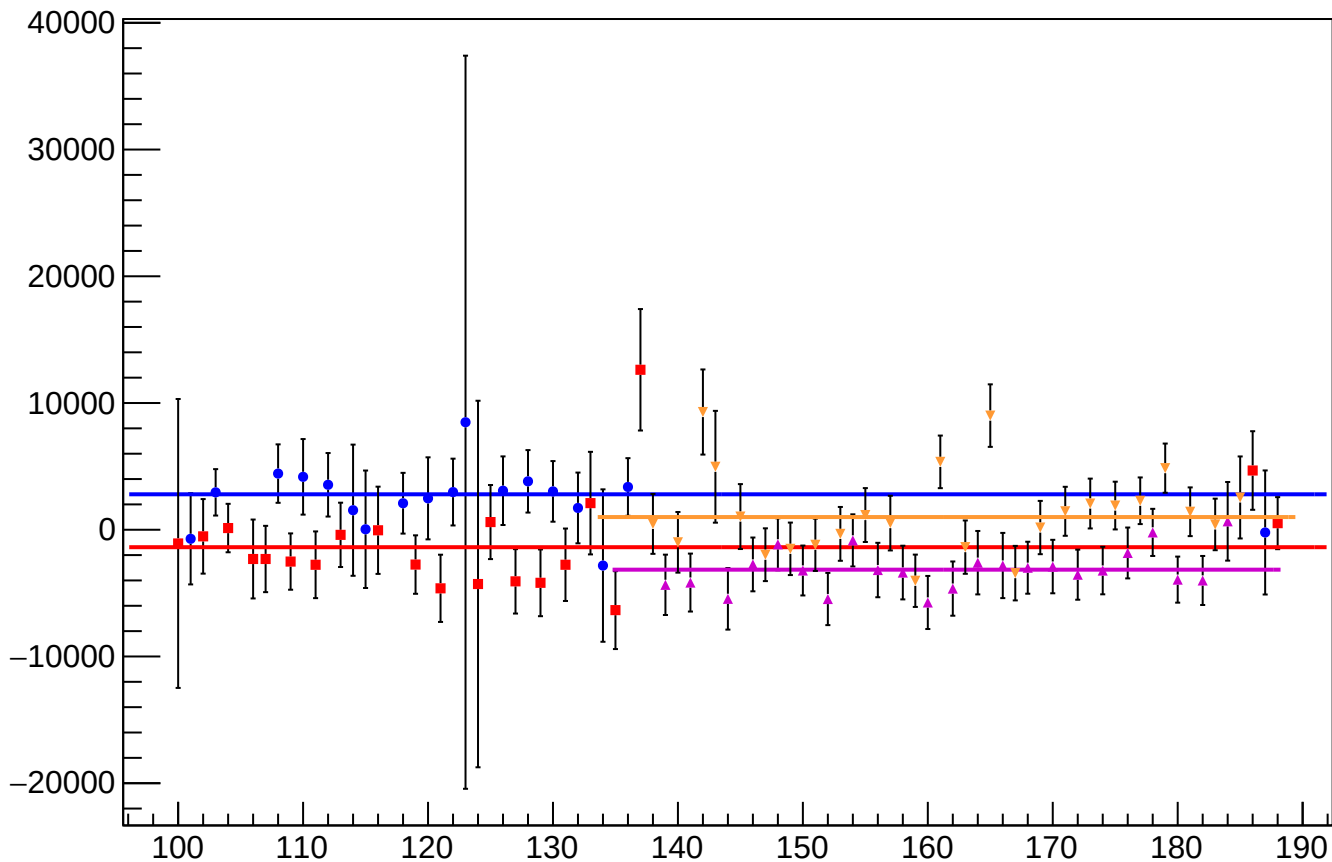
Left In: 1891.693+/-0.321 χ^2/NDF : 7420.7/22

+ sign 1958.302+/-0.279 χ^2/NDF : 1016454.5/42

All: 1968.869+/-0.198 χ^2/NDF : 2245919.3/80

- sign 1979.489+/-0.280 χ^2/NDF : 1226588.7/43

reg_asym_at2_avg_mean vs Slug



Right In: 2797.196 $\pm$ 674.058 χ^2 /NDF: 4.0/17

Left Out: 1001.263 $\pm$ 435.247 χ^2 /NDF:44.6/24

Right Out: -1376.939 $\pm$ 613.369 χ^2 /NDF: 23.2/20

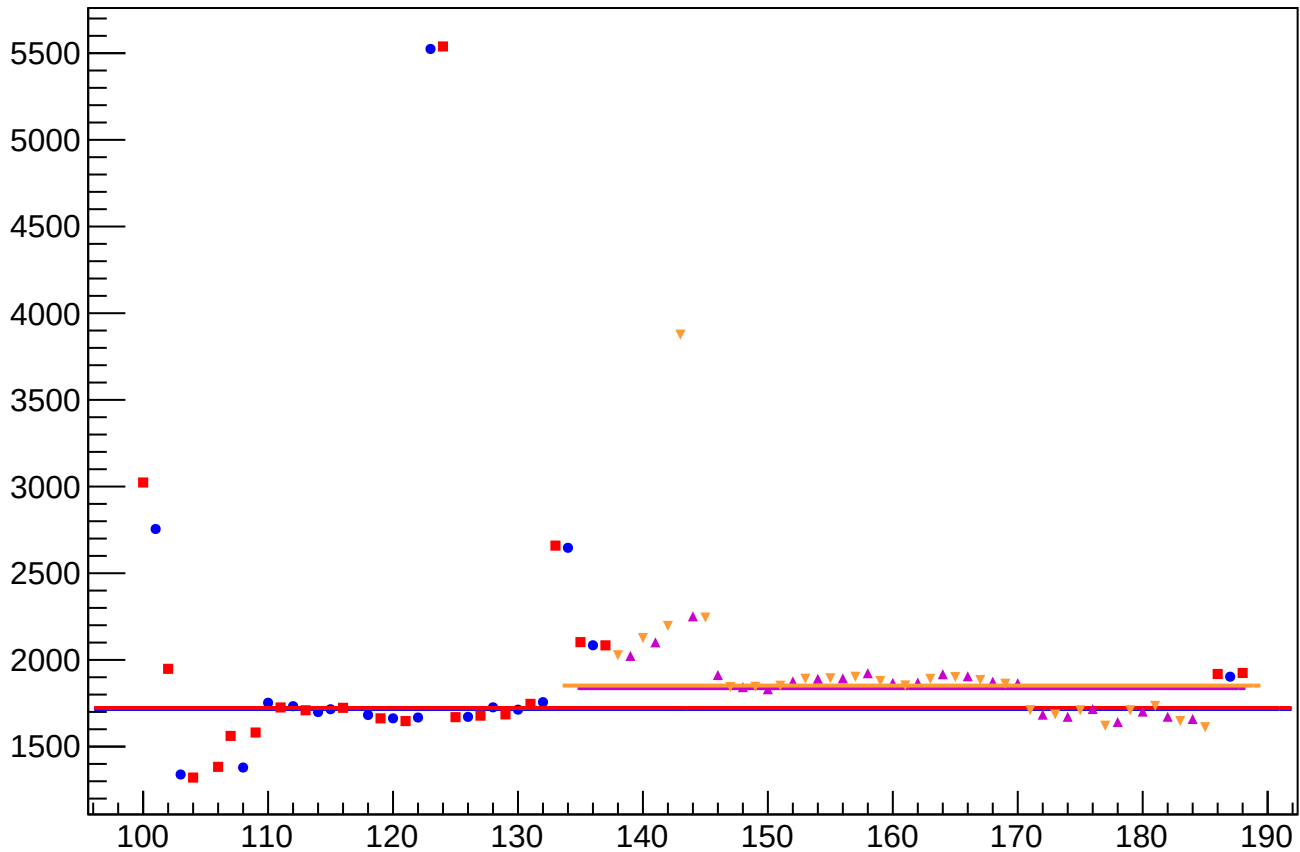
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF:11.8/22

+ sign 1529.726 $\pm$ 365.645 χ^2 /NDF: 53.6/42

All: -550.313 $\pm$ 255.854 χ^2 /NDF: 157.5/86

- sign -2545.811 $\pm$ 358.137 χ^2 /NDF: 40.5/43

reg_asym_at2_avg_rms vs Slug



Right In: 1717.146 $\pm$ 0.477 χ^2 /NDF: 435247.0/17

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1722.607 $\pm$ 0.434 χ^2 /NDF: 486095.5/20

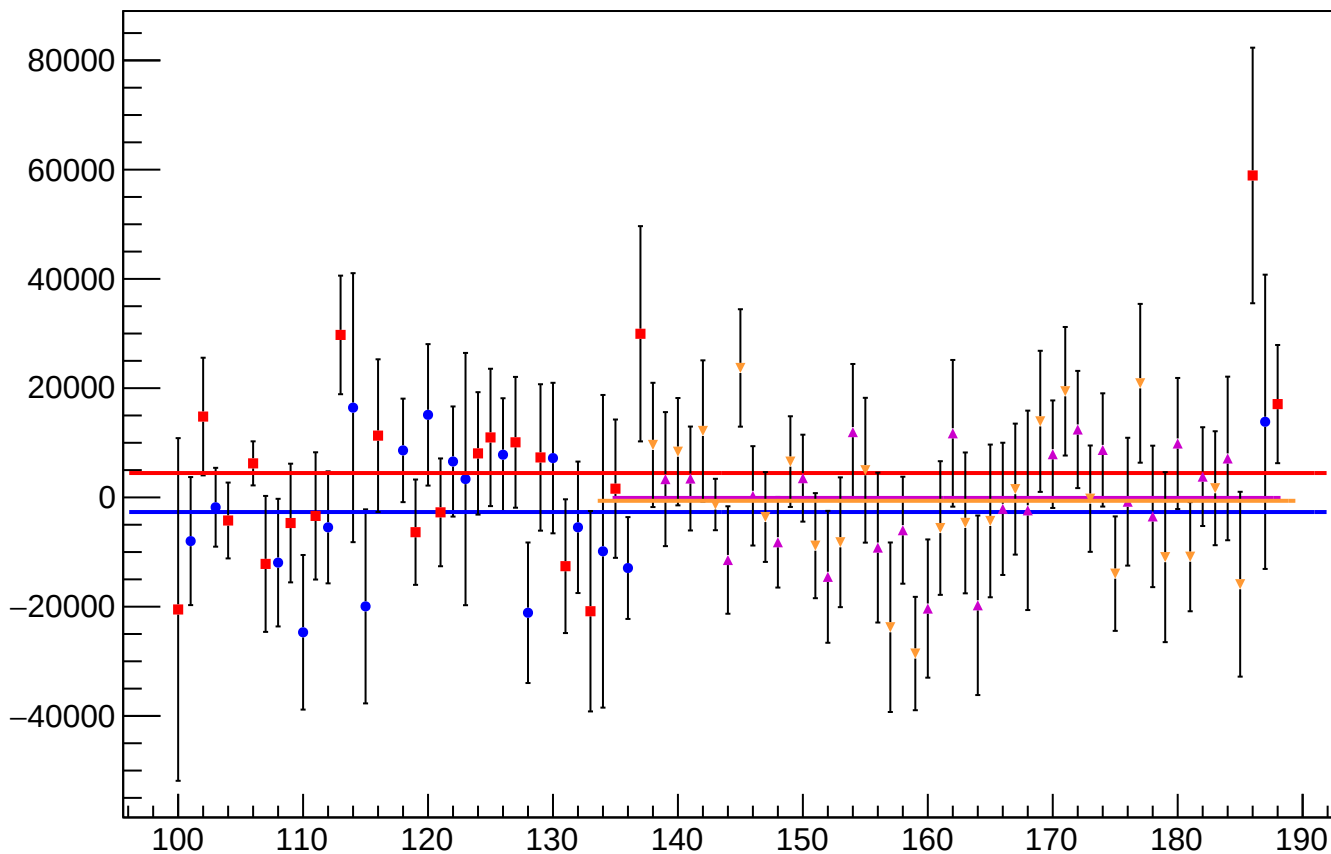
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1812.289 $\pm$ 0.259 χ^2 /NDF: 1140661.6/42

All: 1805.047 $\pm$ 0.181 χ^2 /NDF: 1874777.9/86

- sign 1798.100 $\pm$ 0.253 χ^2 /NDF: 732579.1/43

asym_at2_avg_correction_mean vs Slug



Right In: -2675.162 ± 2843.863 χ^2/NDF : 14.4/17

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 4463.535 ± 2211.461 χ^2/NDF : 26.7/20

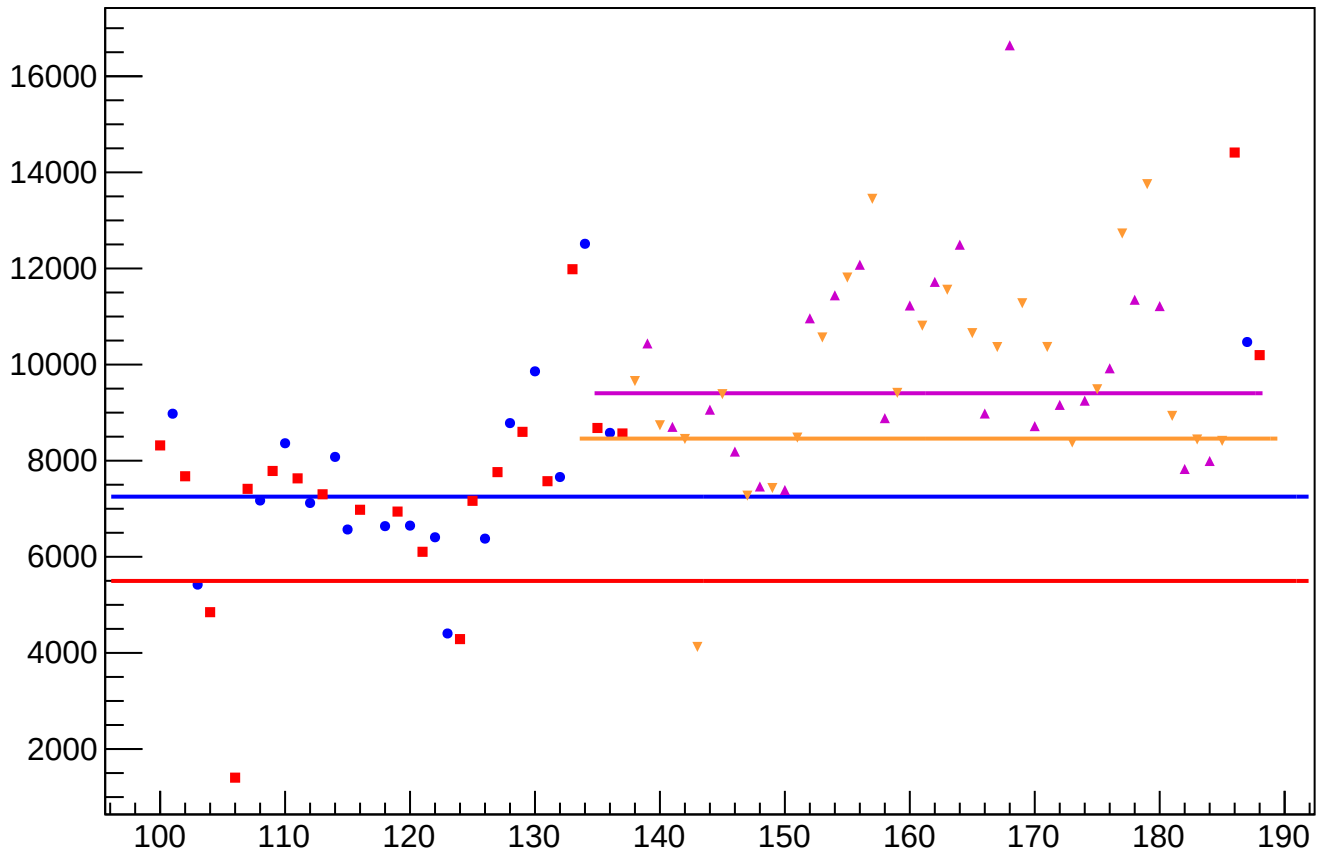
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -1331.204 ± 1673.432 χ^2/NDF : 44.9/42

All: 558.228 ± 1153.451 χ^2/NDF : 90.7/86

- sign 2268.381 ± 1592.061 χ^2/NDF : 43.4/43

asym_at2_avg_correction_rms vs Slug



Right In: 7251.846+/-2.011 χ^2/NDF : 500556.8/17

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 5497.791+/-1.564 χ^2/NDF : 3896852.9/20

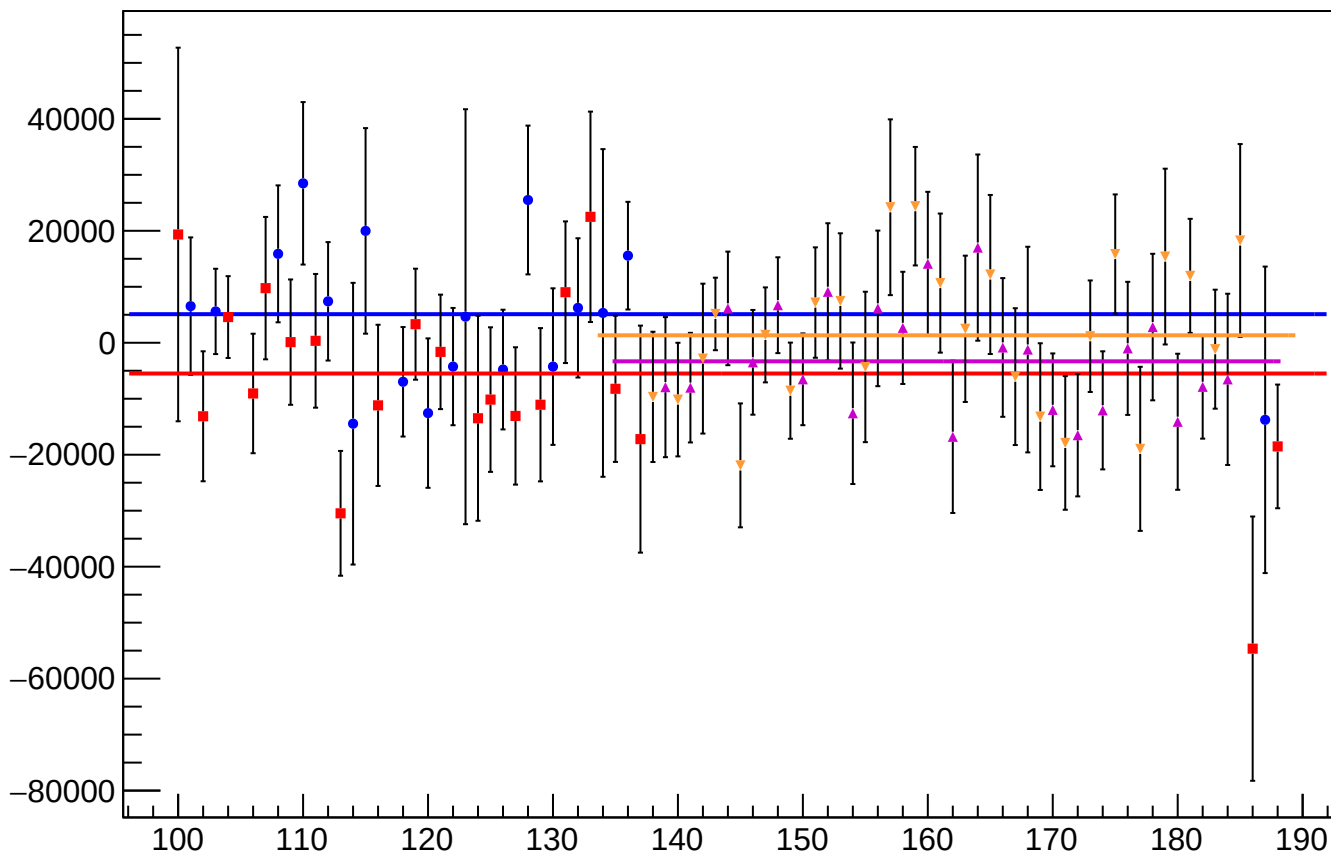
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8041.642+/-1.183 χ^2/NDF : 3823715.7/42

All: 7693.954+/-0.816 χ^2/NDF : 12032841.5/8

- sign 7379.257+/-1.126 χ^2/NDF : 8044645.3/43

asym_at2_avg_mean vs Slug



Right In: 5106.367 $\pm$ 2962.109 χ^2 /NDF: 14.1/17

Left Out: 1332.828 $\pm$ 2213.733 χ^2 /NDF: 28.0/24

Right Out: -5494.935 $\pm$ 2692.804 χ^2 /NDF: 21.5/20

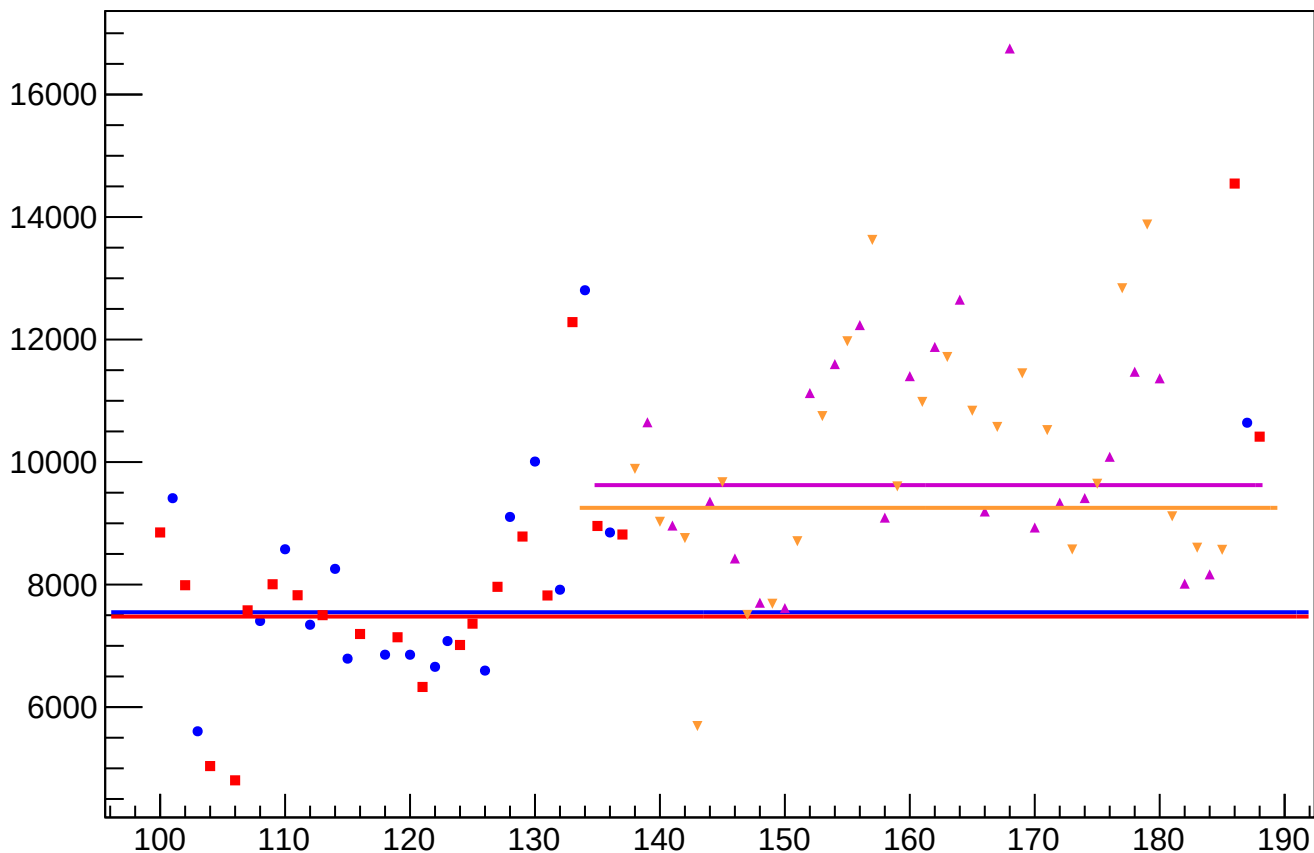
Left In: -3316.909 $\pm$ 2344.543 χ^2 /NDF: 13.7/22

+ sign 2685.154 $\pm$ 1773.239 χ^2 /NDF: 43.2/42

All: -795.255 $\pm$ 1252.097 χ^2 /NDF: 86.5/86

- sign -4256.058 $\pm$ 1768.238 χ^2 /NDF: 35.6/43

asym_at2_avg_rms vs Slug



Right In: 7548.598 $\pm$ 2.094 χ^2 /NDF: 455934.0/17

Left Out: 9252.712 $\pm$ 1.565 χ^2 /NDF:1597668.9/24

Right Out: 7477.823 $\pm$ 1.904 χ^2 /NDF: 900968.9/20

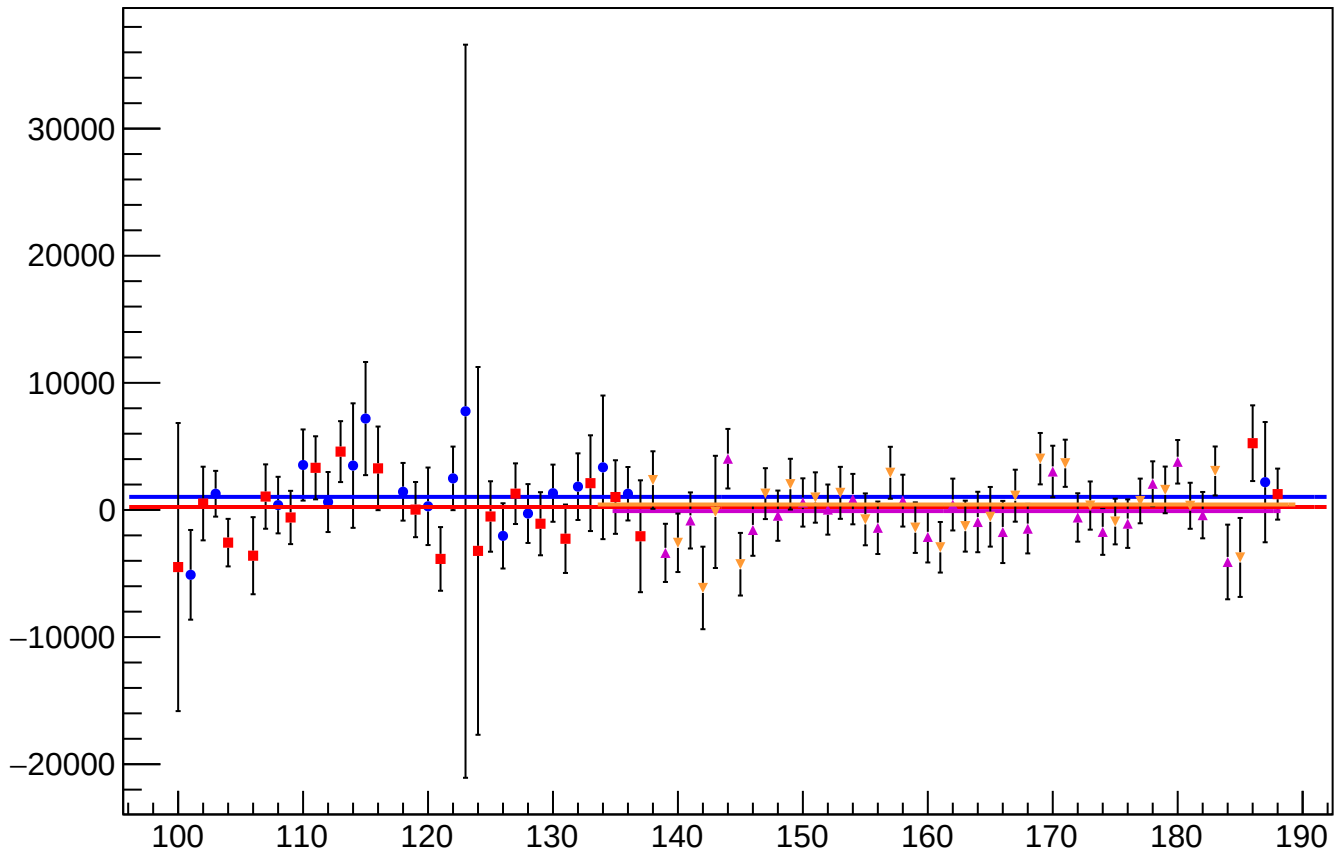
Left In: 9623.485 $\pm$ 1.658 χ^2 /NDF:1069924.0/22

+ sign 8641.987 $\pm$ 1.254 χ^2 /NDF: 2478343.4/42

All: 8670.157 $\pm$ 0.885 χ^2 /NDF: 5172625.2/80

- sign 8698.165 $\pm$ 1.250 χ^2 /NDF: 2693275.2/43

reg_asym_at2_dd_mean vs Slug



Right In: 1029.141 ± 640.587 χ^2/NDF : 8.7/17

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 233.672 ± 585.269 χ^2/NDF : 17.8/20

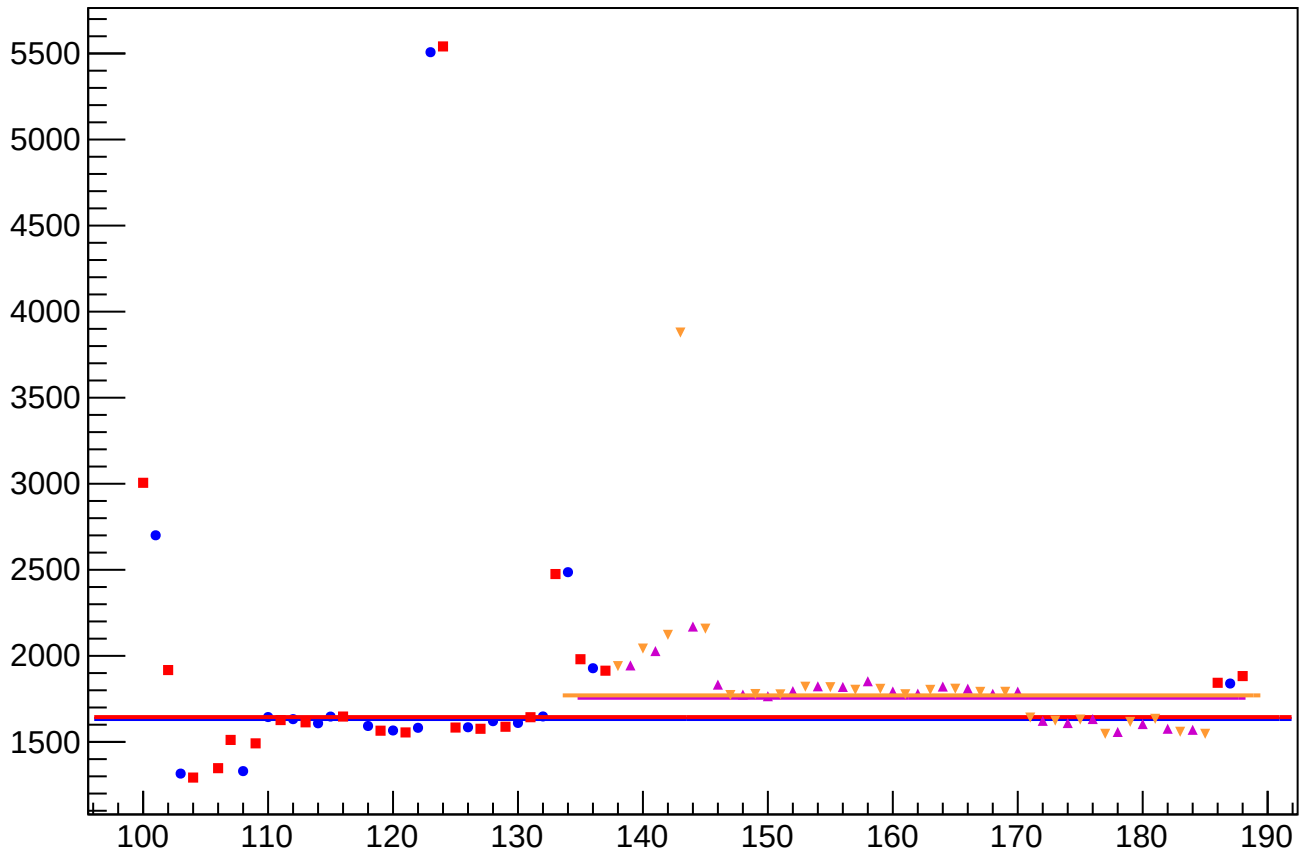
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 607.561 ± 349.110 χ^2/NDF : 38.0/42

All: 308.876 ± 244.406 χ^2/NDF : 78.4/86

- sign 21.771 ± 342.276 χ^2/NDF : 39.0/43

reg_asym_at2_dd_rms vs Slug



Right In: 1633.050+/-0.453 χ^2/NDF : 410616.2/17

Left Out: 1770.384+/-0.294 χ^2/NDF : 699536.9/24

Right Out: 1644.247+/-0.414 χ^2/NDF : 475876.4/20

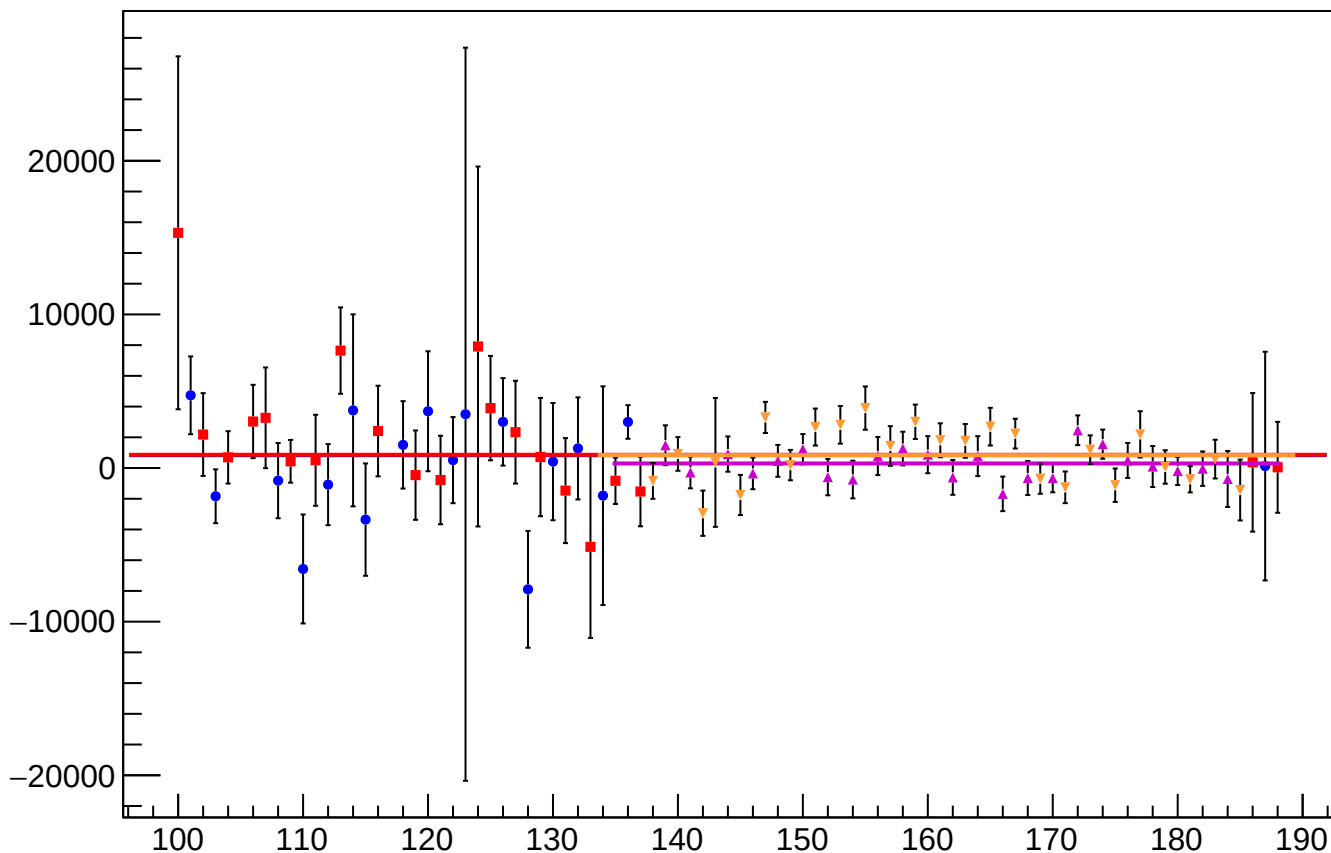
Left In: 1756.623+/-0.298 χ^2/NDF : 223077.6/22

+ sign 1729.594+/-0.247 χ^2/NDF : 1174775.1/42

All: 1723.779+/-0.173 χ^2/NDF : 1923333.9/80

- sign 1718.189+/-0.242 χ^2/NDF : 747470.3/43

asym_at2_dd_correction_mean vs Slug



Right In: 841.259 $\pm$ 630.505 χ^2 /NDF: 22.1/17

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

Right Out: 862.147 $\pm$ 574.344 χ^2 /NDF: 15.2/20

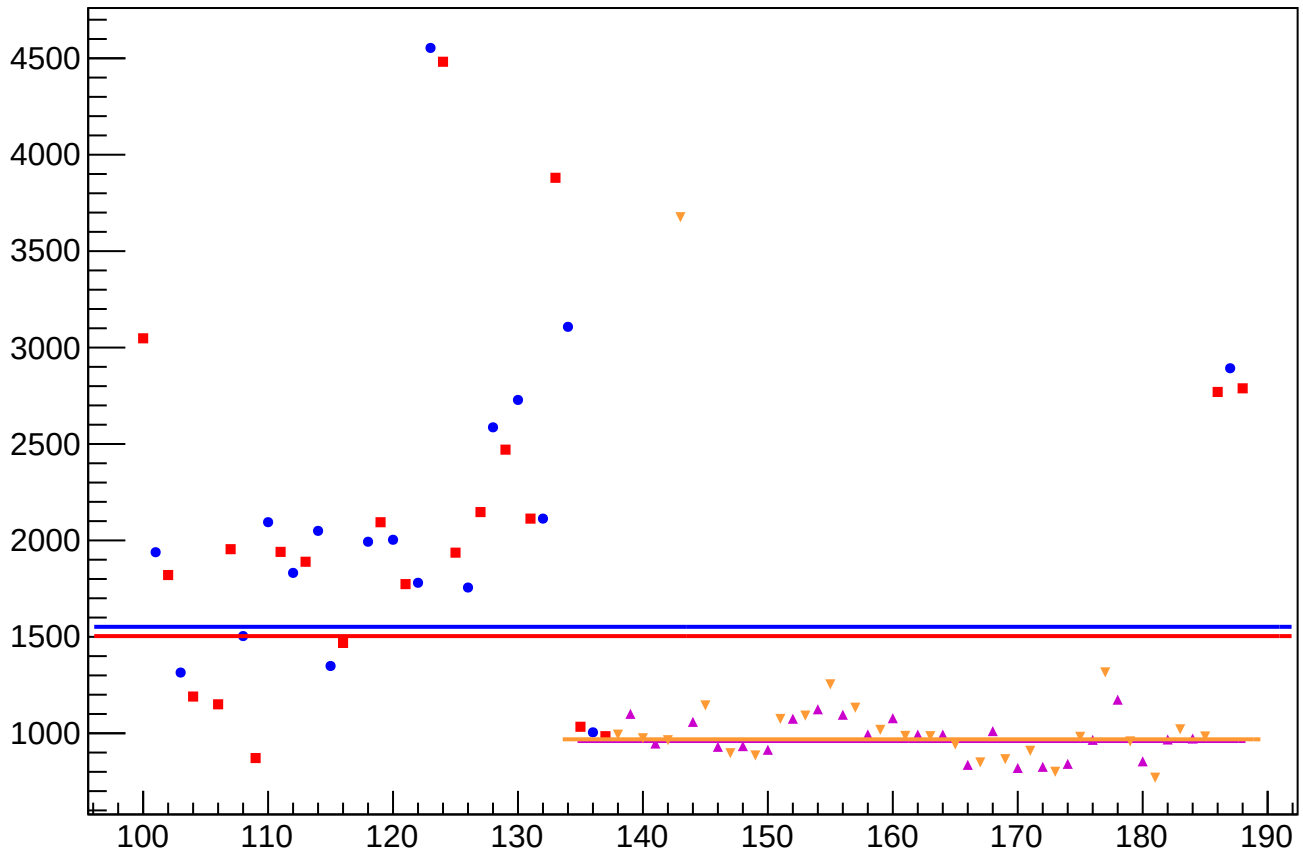
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 839.569 $\pm$ 216.458 χ^2 /NDF: 76.5/42

All: 606.567 $\pm$ 152.410 χ^2 /NDF: 113.2/86

- sign 377.475 $\pm$ 214.634 χ^2 /NDF: 34.4/43

asym_at2_dd_correction_rms vs Slug



Right In: 1551.983 $\pm$ 0.446 χ^2 /NDF: 1358599.6/17

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

+ sign 1037.457 $\pm$ 0.153 χ^2 /NDF: 4262136.4/42

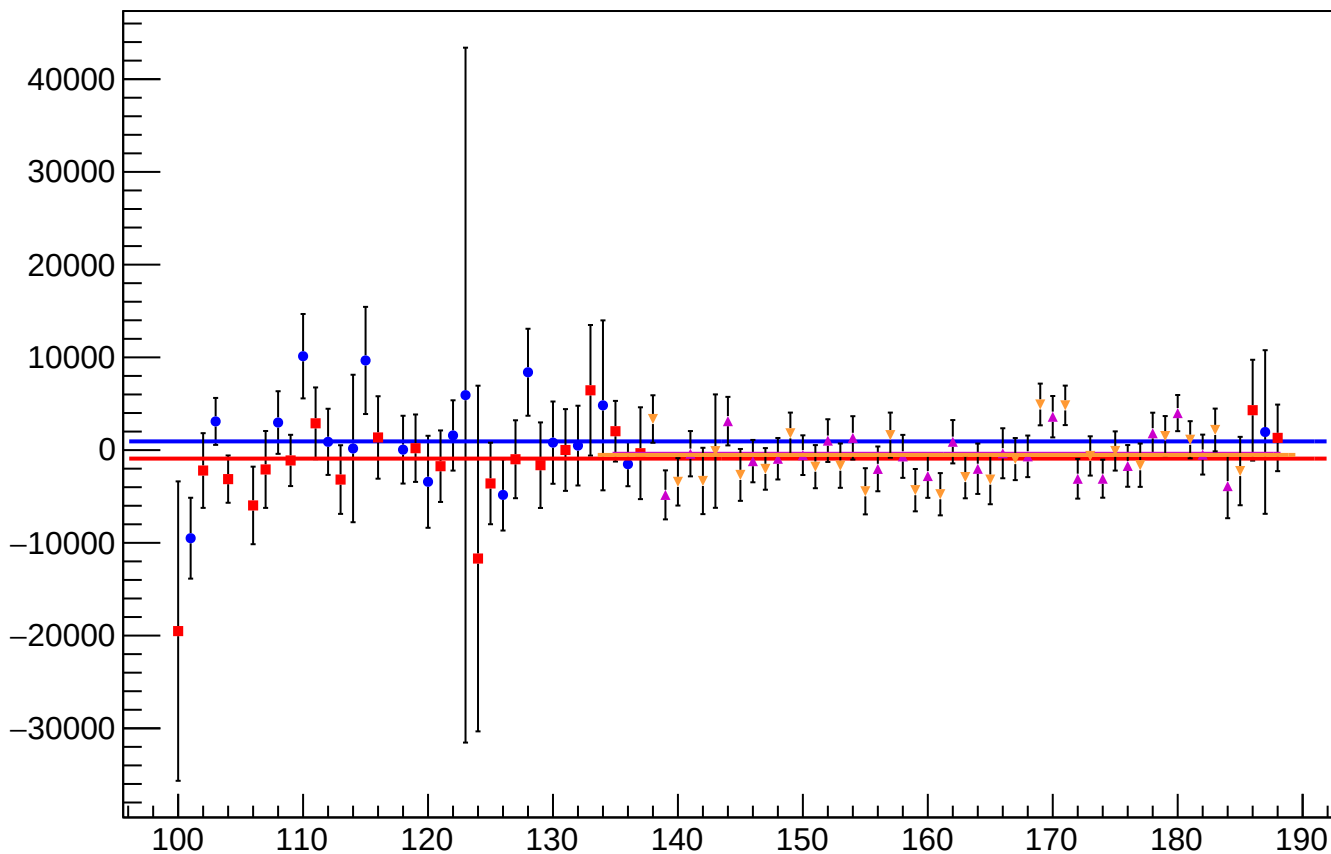
Right Out: 1503.827 $\pm$ 0.406 χ^2 /NDF: 2388137.7/20

All: 1036.611 $\pm$ 0.108 χ^2 /NDF: 8565349.2/80

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

- sign 1035.780 $\pm$ 0.152 χ^2 /NDF: 4303152.3/43

asym_at2_dd_mean vs Slug



Right In: 940.643 ± 964.735 χ^2/NDF : 20.1/17

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -915.386 ± 885.776 χ^2/NDF : 9.5/20

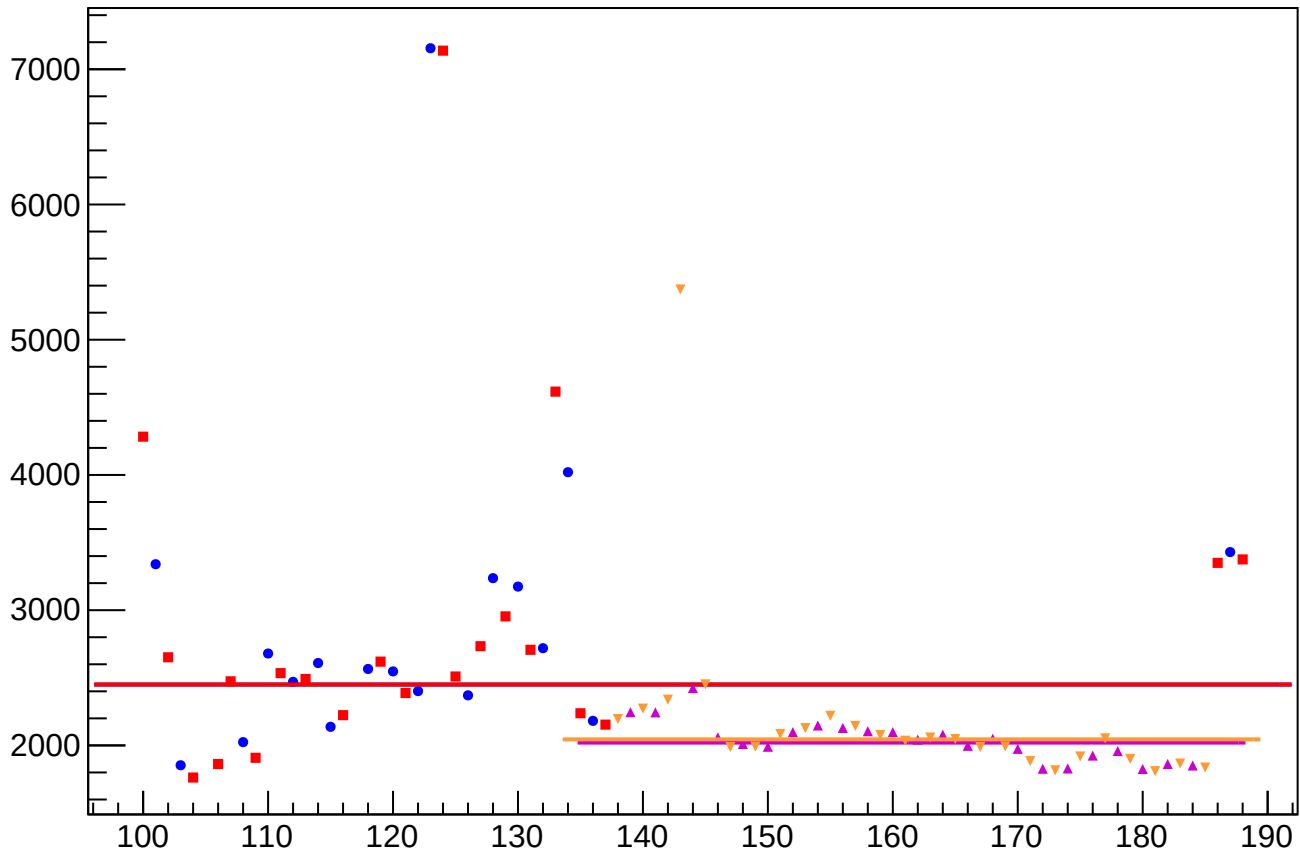
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -226.899 ± 430.811 χ^2/NDF : 56.0/42

All: -373.715 ± 302.712 χ^2/NDF : 87.8/86

- sign -516.892 ± 425.438 χ^2/NDF : 31.6/43

asym_at2_dd_rms vs Slug



Right In: 2450.332 $\pm$ 0.682 χ^2 /NDF: 499892.0/17

Left Out: 2044.722 $\pm$ 0.340 χ^2 /NDF: 788703.5/24

Right Out: 2450.023 $\pm$ 0.626 χ^2 /NDF: 863123.1/20

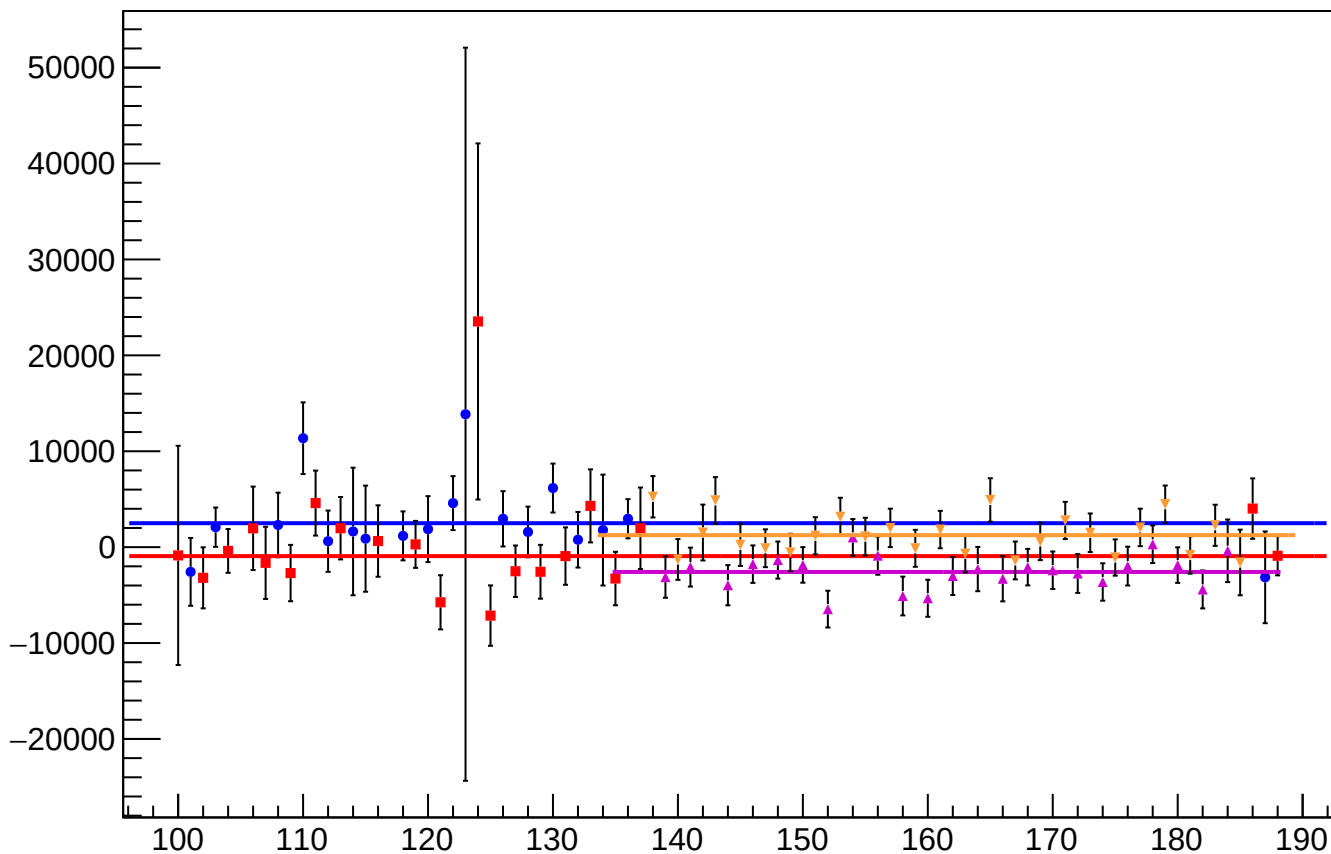
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2125.607 $\pm$ 0.305 χ^2 /NDF: 1571629.7/42

All: 2122.676 $\pm$ 0.214 χ^2 /NDF: 2969722.2/86

- sign 2119.818 $\pm$ 0.301 χ^2 /NDF: 1397909.6/43

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2496.956 $\pm$ 736.273 χ^2 /NDF: 13.1/17

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF:23.0/24

Right Out: -935.652 $\pm$ 680.730 χ^2 /NDF: 20.0/20

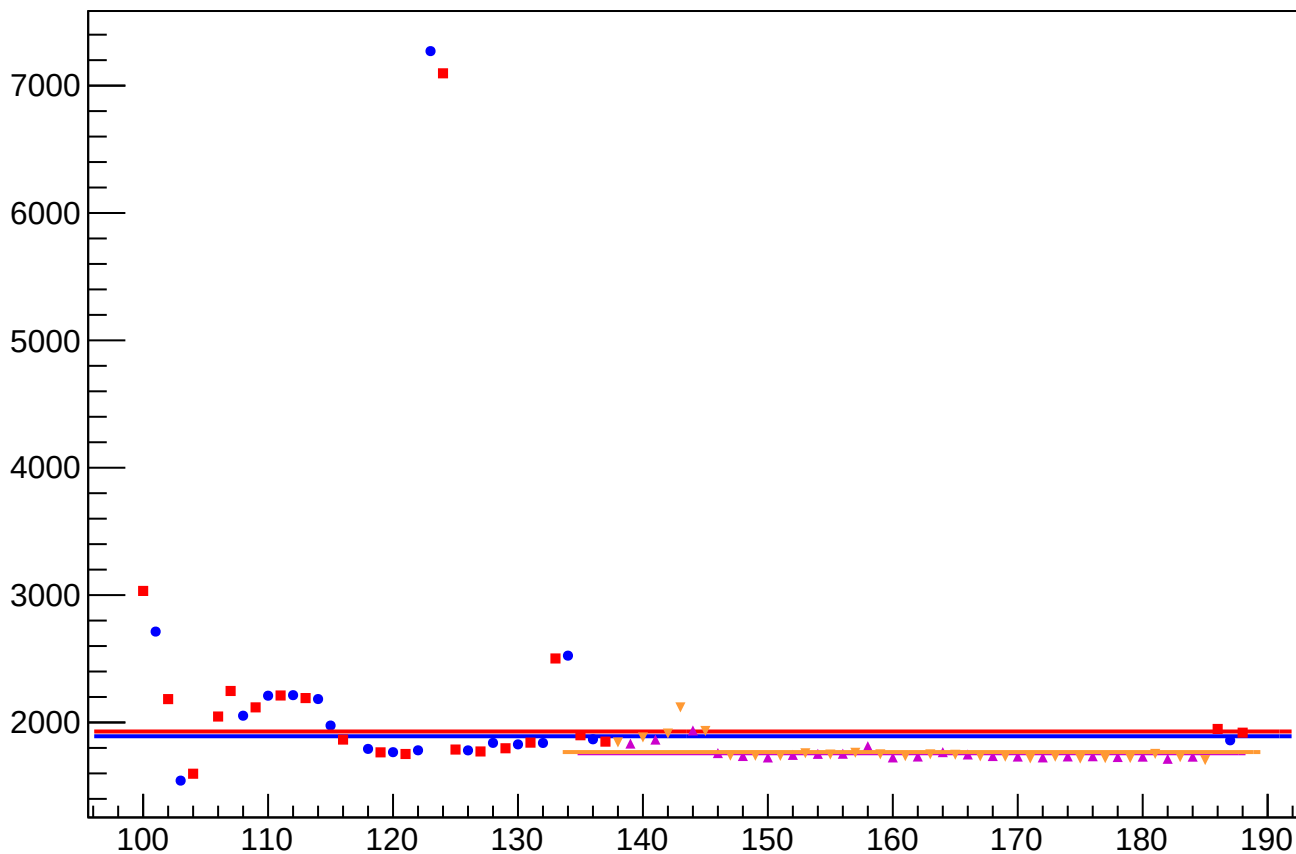
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1547.817 $\pm$ 359.860 χ^2 /NDF: 38.3/42

All: -298.361 $\pm$ 253.931 χ^2 /NDF: 132.5/86

- sign -2129.283 $\pm$ 358.370 χ^2 /NDF: 41.8/43

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1891.596 ± 0.521 χ^2/NDF : 287820.9/17

Left Out: 1767.517 ± 0.292 χ^2/NDF : 77674.7/24

Right Out: 1929.108 ± 0.481 χ^2/NDF : 360401.6/20

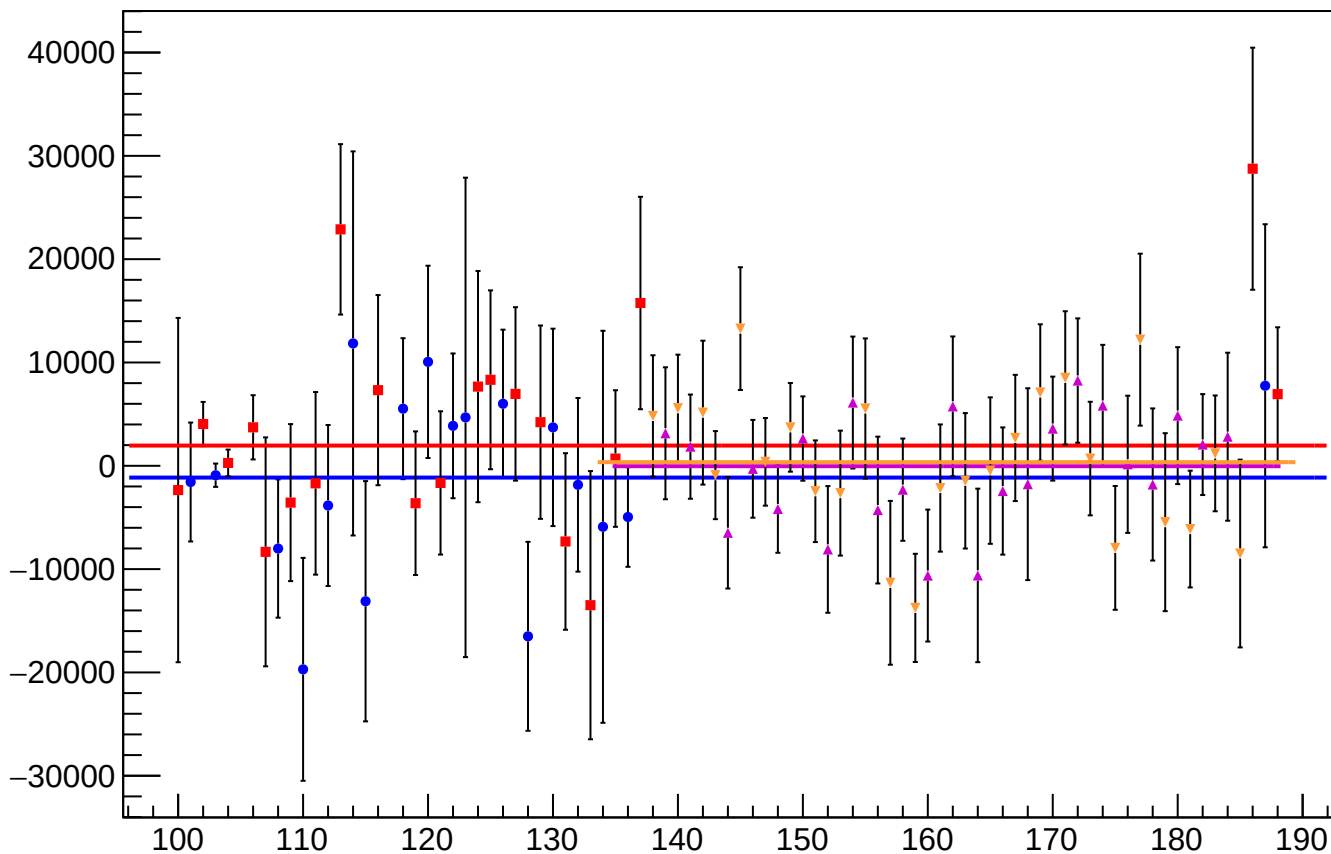
Left In: 1758.076 ± 0.298 χ^2/NDF : 29806.0/22

+ sign 1797.157 ± 0.254 χ^2/NDF : 408727.3/42

All: 1801.382 ± 0.180 χ^2/NDF : 890920.6/86

- sign 1805.569 ± 0.253 χ^2/NDF : 481644.4/43

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1140.000 ± 983.306 χ^2/NDF : 13.8/17

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 1957.892 ± 929.290 χ^2/NDF : 23.8/20

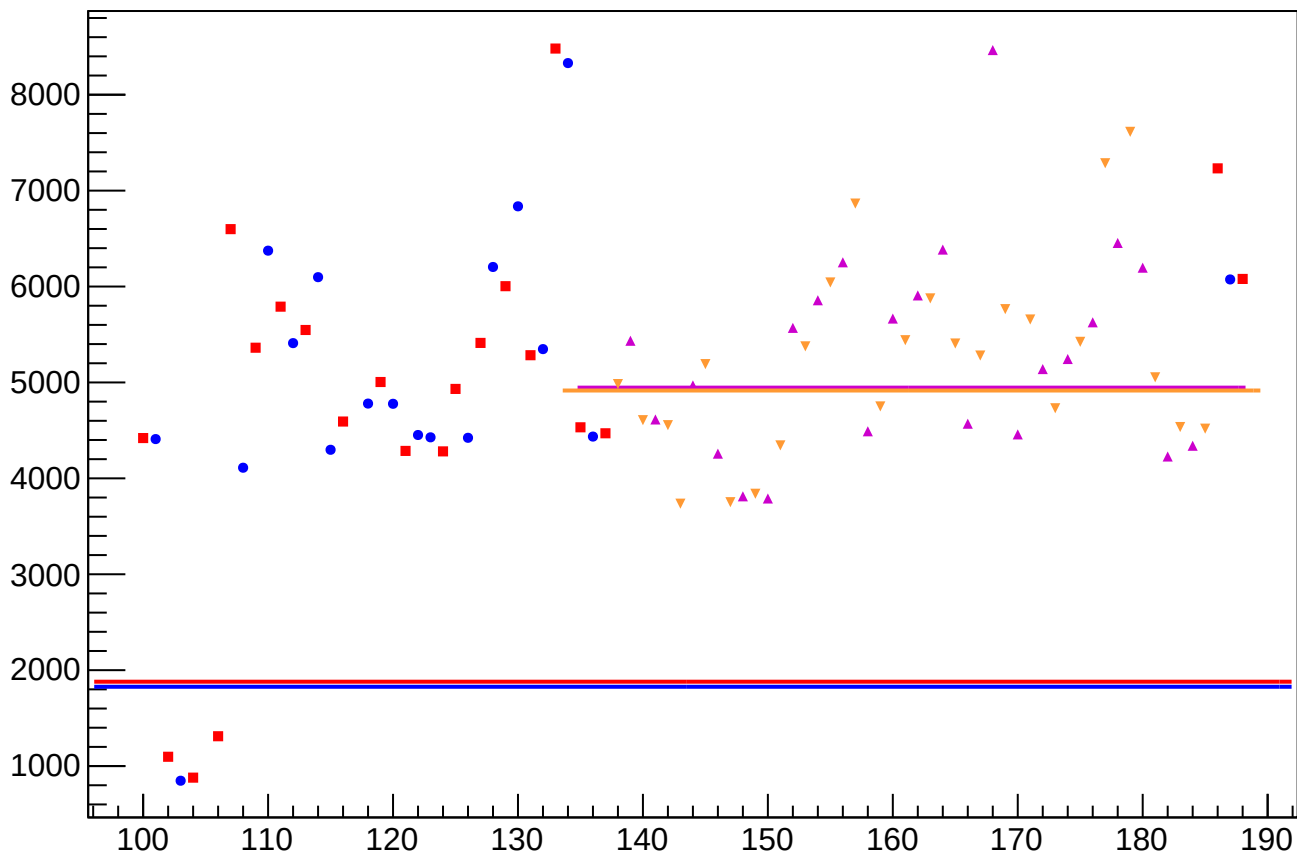
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -522.744 ± 752.775 χ^2/NDF : 42.6/42

All: 364.925 ± 526.424 χ^2/NDF : 86.8/86

- sign 1214.499 ± 736.445 χ^2/NDF : 41.5/43

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1826.950+/-0.695 χ^2/NDF : 6586713.5/17

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

Right Out: 1879.832+/-0.657 χ^2/NDF : 7589848.4/20

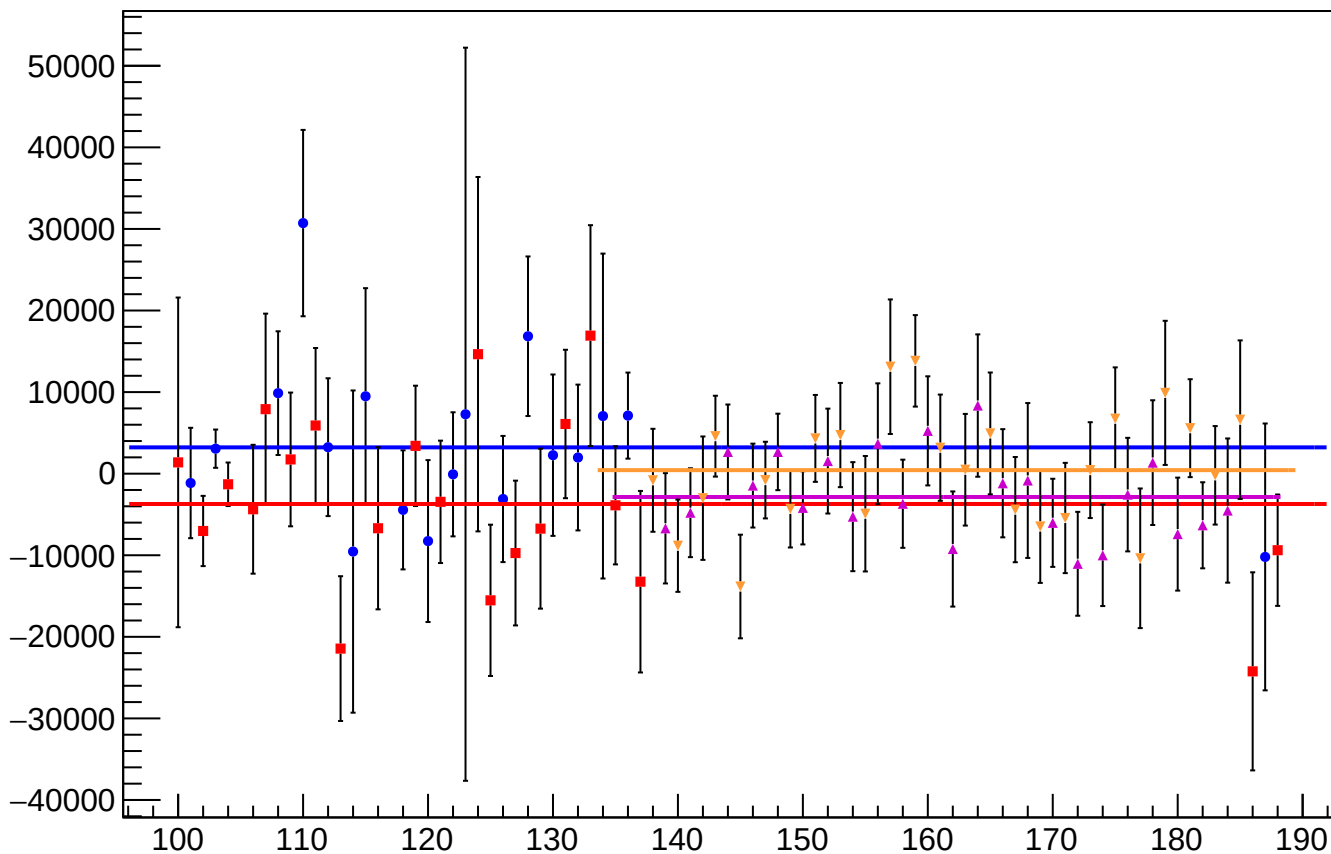
Left In: 4945.817+/-0.854 χ^2/NDF : 1188288.6/22

+ sign 3105.527+/-0.532 χ^2/NDF : 15942509.7/42

All: 3061.978+/-0.372 χ^2/NDF : 32831781.1/8

- sign 3020.299+/-0.521 χ^2/NDF : 16876171.7/43

asym_atl1r2_avg_mean vs Slug



Right In: 3224.319 $\pm$ 1601.553 χ^2 /NDF: 14.2/17

Left Out: 430.860 $\pm$ 1258.273 χ^2 /NDF:27.1/24

Right Out: -3716.501 $\pm$ 1552.361 χ^2 /NDF: 19.6/20

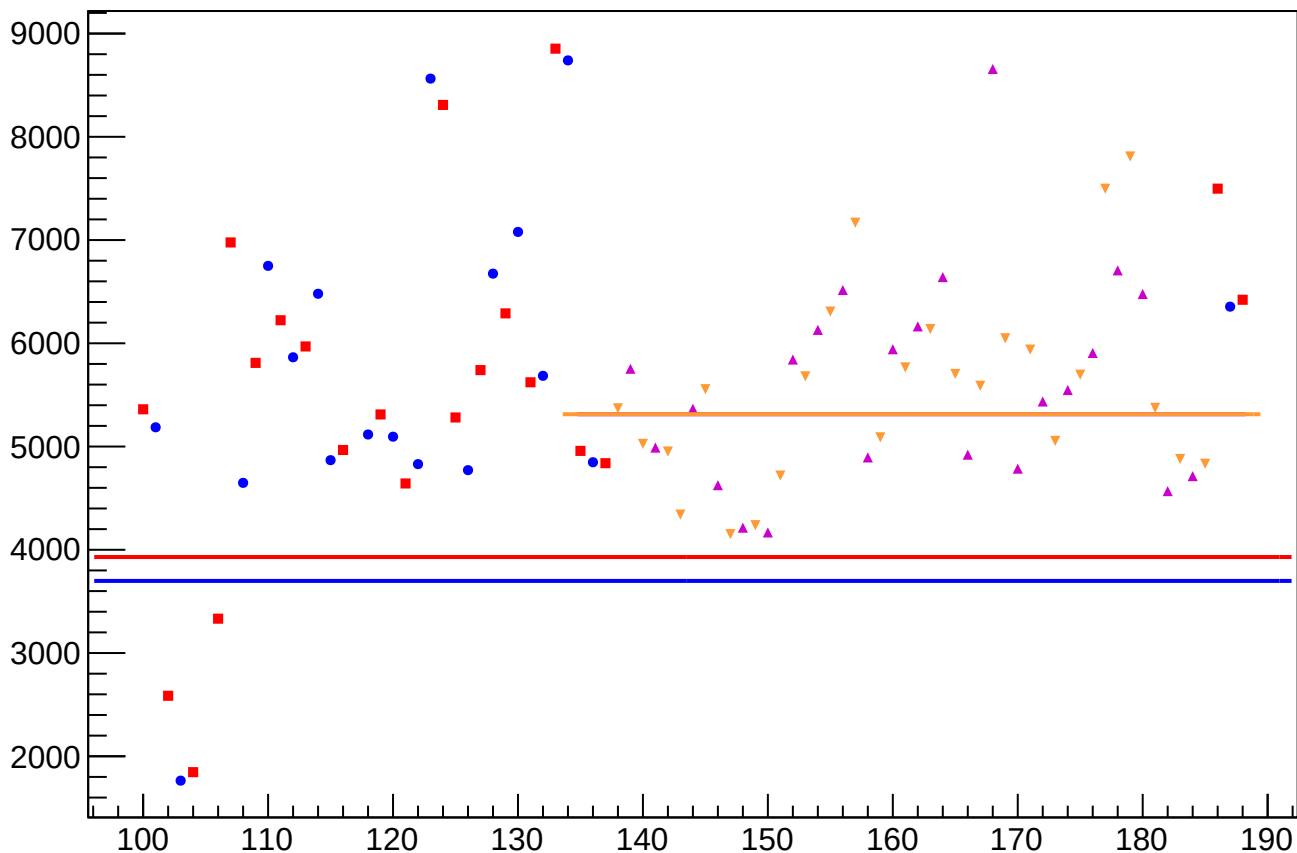
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1497.039 $\pm$ 989.430 χ^2 /NDF: 43.2/42

All: -847.895 $\pm$ 700.964 χ^2 /NDF: 87.1/86

- sign -3210.755 $\pm$ 993.205 χ^2 /NDF: 32.7/43

asym_atl1r2_avg_rms vs Slug



Right In: 3698.452+/-1.132 χ^2/NDF : 2833437.5/17

Left Out: 5313.008+/-0.890 χ^2/NDF : 894369.8/24

Right Out: 3929.862+/-1.091 χ^2/NDF : 3162435.8/20

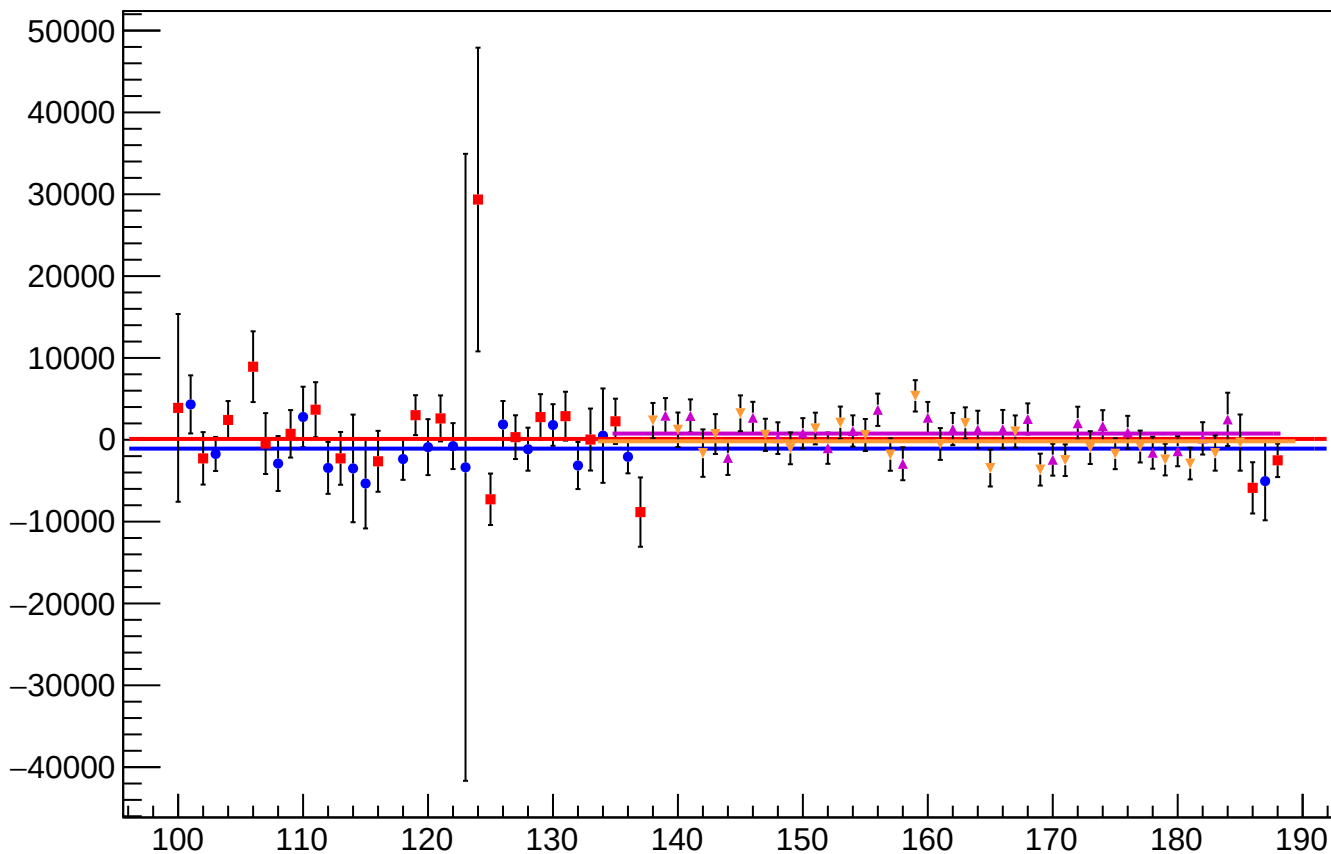
Left In: 5312.861+/-0.914 χ^2/NDF : 957400.7/22

+ sign 4696.781+/-0.700 χ^2/NDF : 4984629.6/42

All: 4719.644+/-0.495 χ^2/NDF : 10051115.7/8

- sign 4742.564+/-0.701 χ^2/NDF : 5064347.6/43

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1079.898 ± 734.051 χ^2/NDF : 9.2/17

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

Right Out: 103.761 ± 679.075 χ^2/NDF : 30.4/20

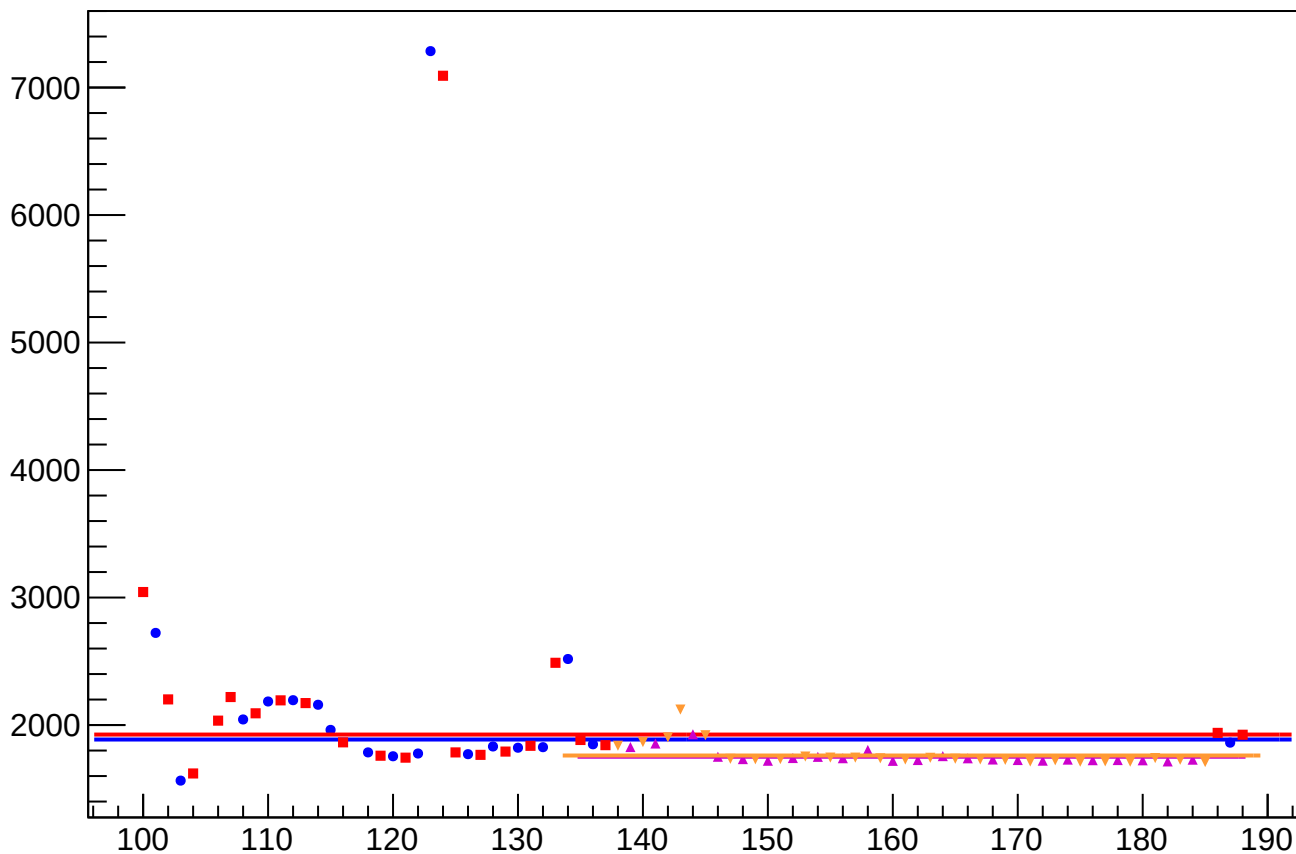
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -394.605 ± 358.598 χ^2/NDF : 39.6/42

All: 93.831 ± 253.051 χ^2/NDF : 94.7/86

- sign 578.308 ± 357.142 χ^2/NDF : 51.4/43

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1886.454+/-0.519 χ^2/NDF : 279216.8/17

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

Right Out: 1925.372+/-0.480 χ^2/NDF : 349593.9/20

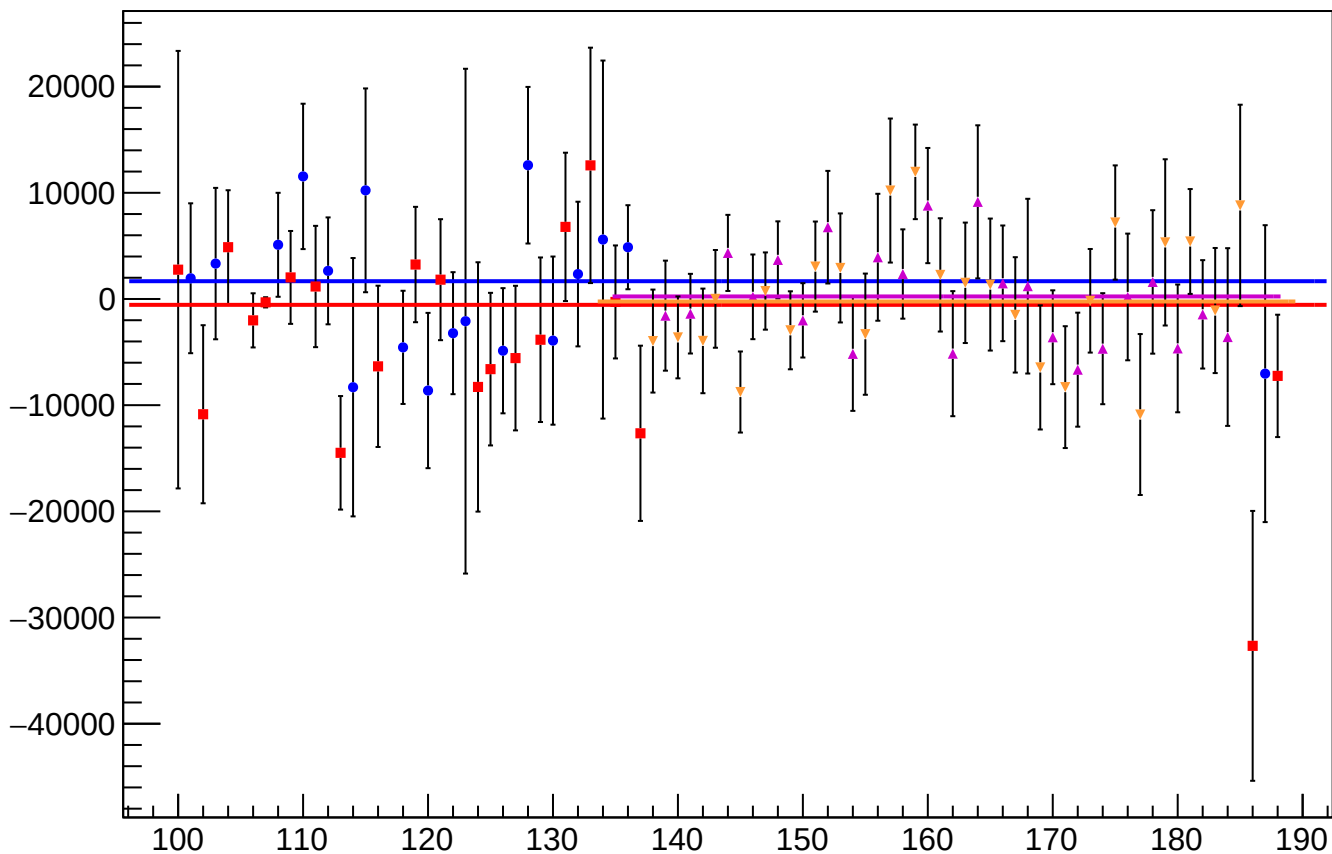
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1791.009+/-0.254 χ^2/NDF : 401097.3/42

All: 1795.336+/-0.179 χ^2/NDF : 874971.2/86

- sign 1799.625+/-0.252 χ^2/NDF : 473294.1/43

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1675.194 $\pm$ 1575.232 χ^2 /NDF: 13.3/17

Left Out: -235.806 $\pm$ 1005.144 χ^2 /NDF:28.9/24

Right Out: -552.011 $\pm$ 452.078 χ^2 /NDF: 25.9/20

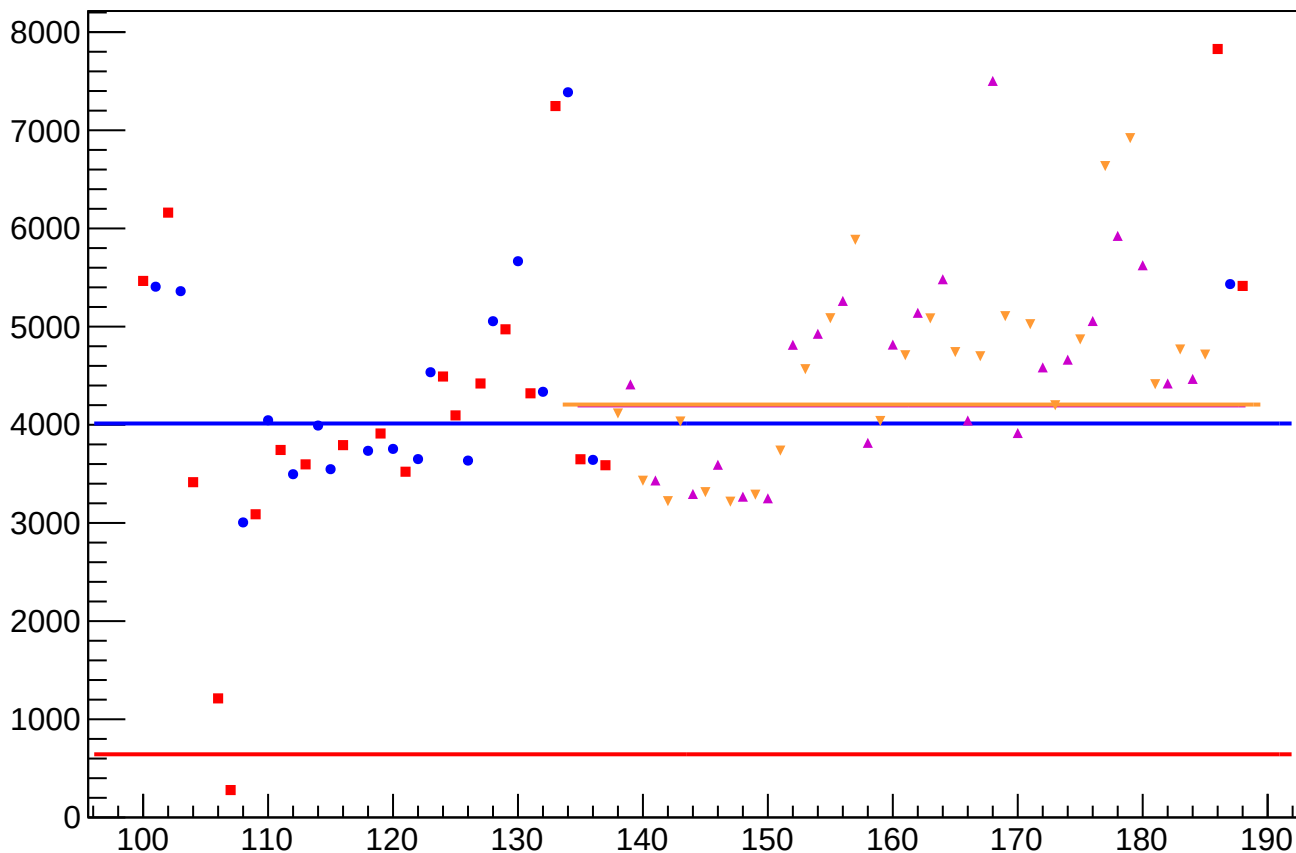
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF:15.3/22

+ sign 317.142 $\pm$ 847.337 χ^2 /NDF: 43.2/42

All: -281.212 $\pm$ 371.893 χ^2 /NDF: 85.5/86

- sign -423.974 $\pm$ 413.887 χ^2 /NDF: 41.7/43

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4013.110+/-1.114 χ^2/NDF : 535023.6/17

Left Out: 4206.076+/-0.711 χ^2/NDF : 1442269.3/24

Right Out: 643.347+/-0.320 χ^2/NDF : 12238369.0/20

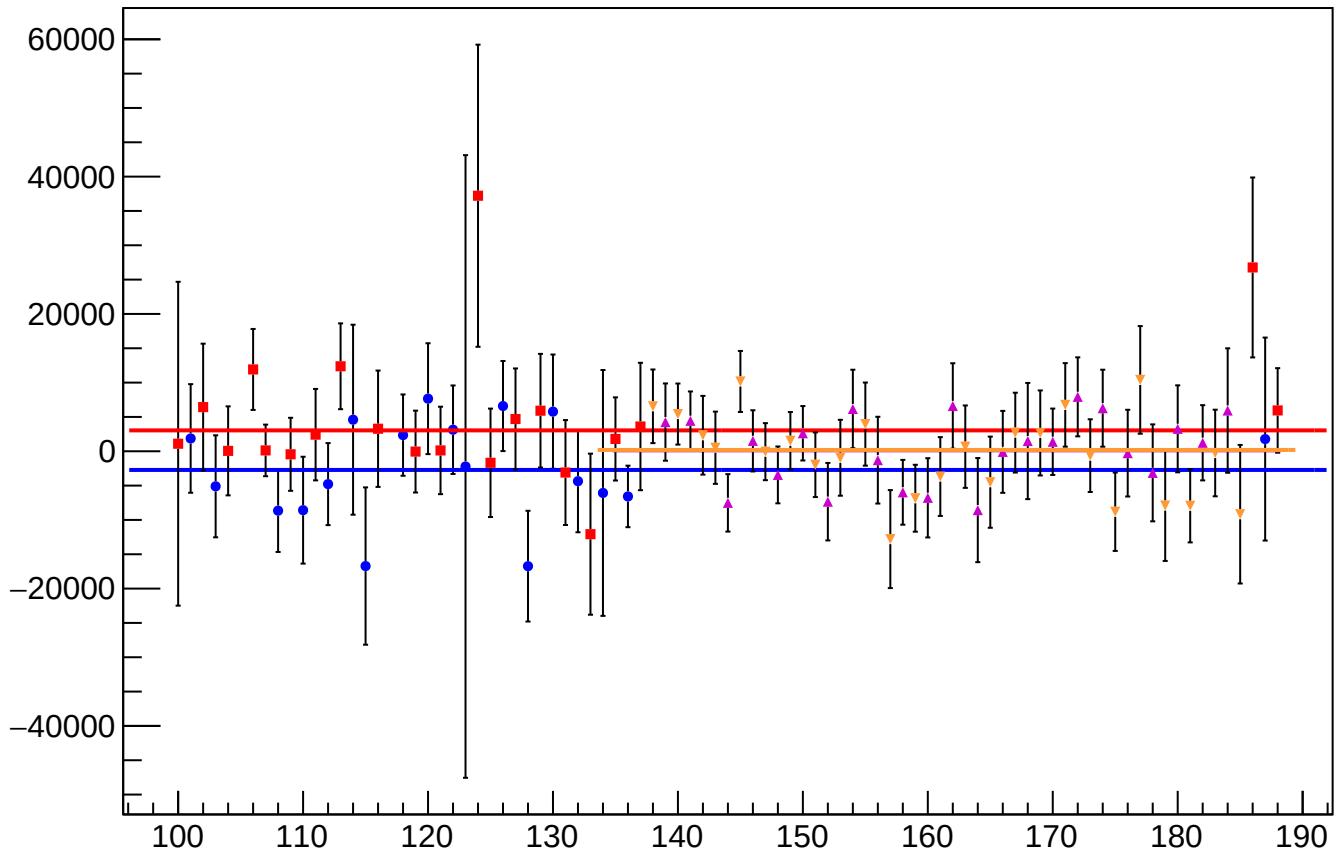
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4150.241+/-0.599 χ^2/NDF : 1998621.3/42

All: 1783.196+/-0.263 χ^2/NDF : 55040144.9/8

- sign 1218.442+/-0.293 χ^2/NDF : 33710325.1/43

asym_atl1r2_dd_mean vs Slug



Right In: -2719.924 ± 1778.341 $\chi^2/\text{NDF}: 14.1/17$

Left Out: 189.721 ± 1106.851 $\chi^2/\text{NDF}: 25.0/24$

Right Out: 3040.699 ± 1518.294 $\chi^2/\text{NDF}: 15.2/20$

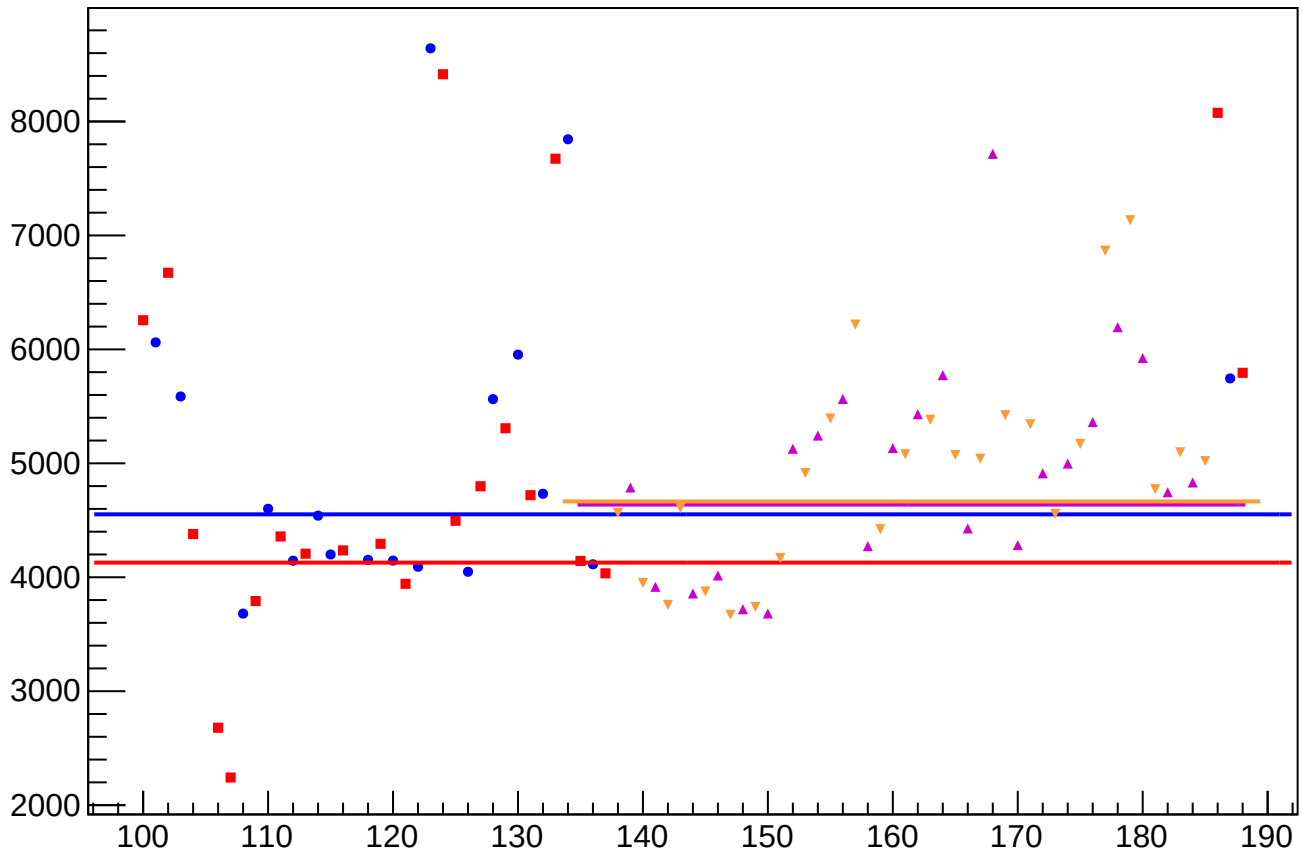
Left In: 137.477 ± 1129.656 $\chi^2/\text{NDF}: 18.6/22$

+ sign -622.716 ± 939.702 $\chi^2/\text{NDF}: 41.0/42$

All: 307.074 ± 652.345 $\chi^2/\text{NDF}: 79.0/86$

- sign 1171.969 ± 906.315 $\chi^2/\text{NDF}: 36.1/43$

asym_atl1r2_dd_rms vs Slug



Right In: 4552.266+/-1.257 χ^2/NDF : 406421.6/17

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

Right Out: 4128.724+/-1.067 χ^2/NDF : 1491847.2/20

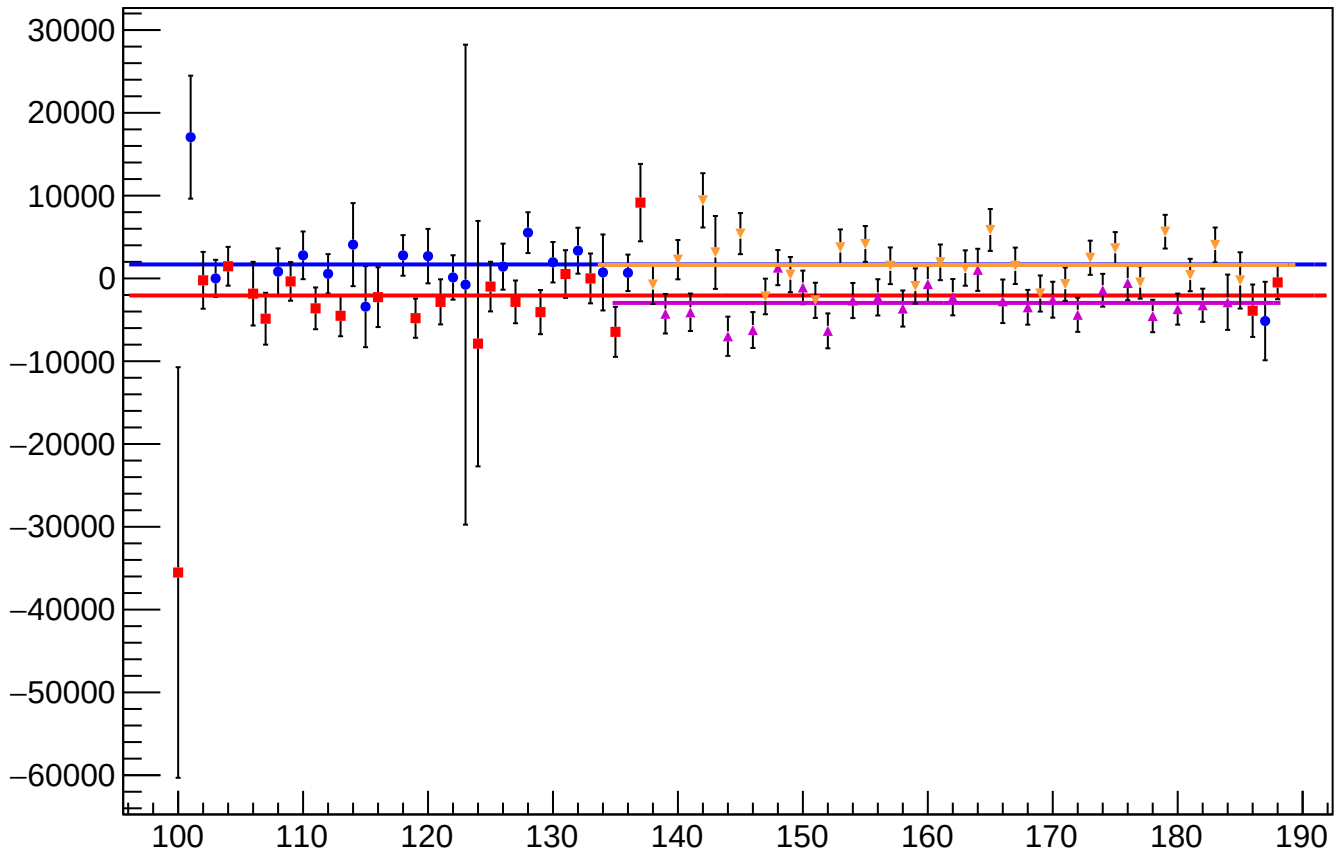
Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

+ sign 4633.969+/-0.664 χ^2/NDF : 1429513.6/42

All: 4541.056+/-0.461 χ^2/NDF : 4170067.8/86

- sign 4454.995+/-0.639 χ^2/NDF : 2702890.9/43

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1688.009 ± 705.274 χ^2/NDF : 12.4/17

Left Out: 1630.035 ± 447.063 χ^2/NDF : 35.4/24

Right Out: -2060.512 ± 636.603 χ^2/NDF : 19.5/20

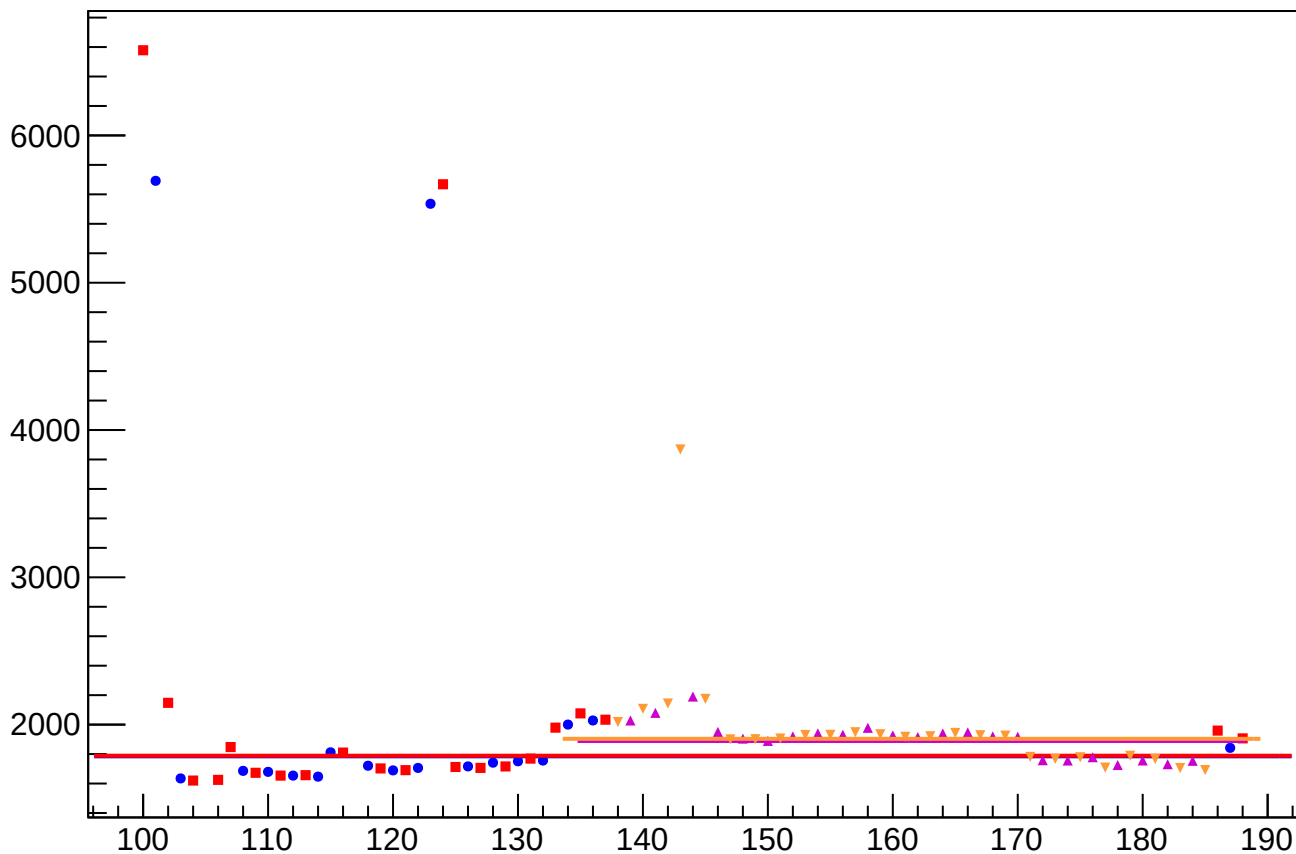
Left In: -2958.620 ± 453.688 χ^2/NDF : 20.4/22

+ sign 1646.652 ± 377.593 χ^2/NDF : 47.8/42

All: -551.552 ± 264.077 χ^2/NDF : 155.4/86

- sign -2656.114 ± 369.463 χ^2/NDF : 41.2/43

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1784.781+/-0.499 χ^2/NDF : 644926.7/17

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1788.818+/-0.447 χ^2/NDF : 320506.4/20

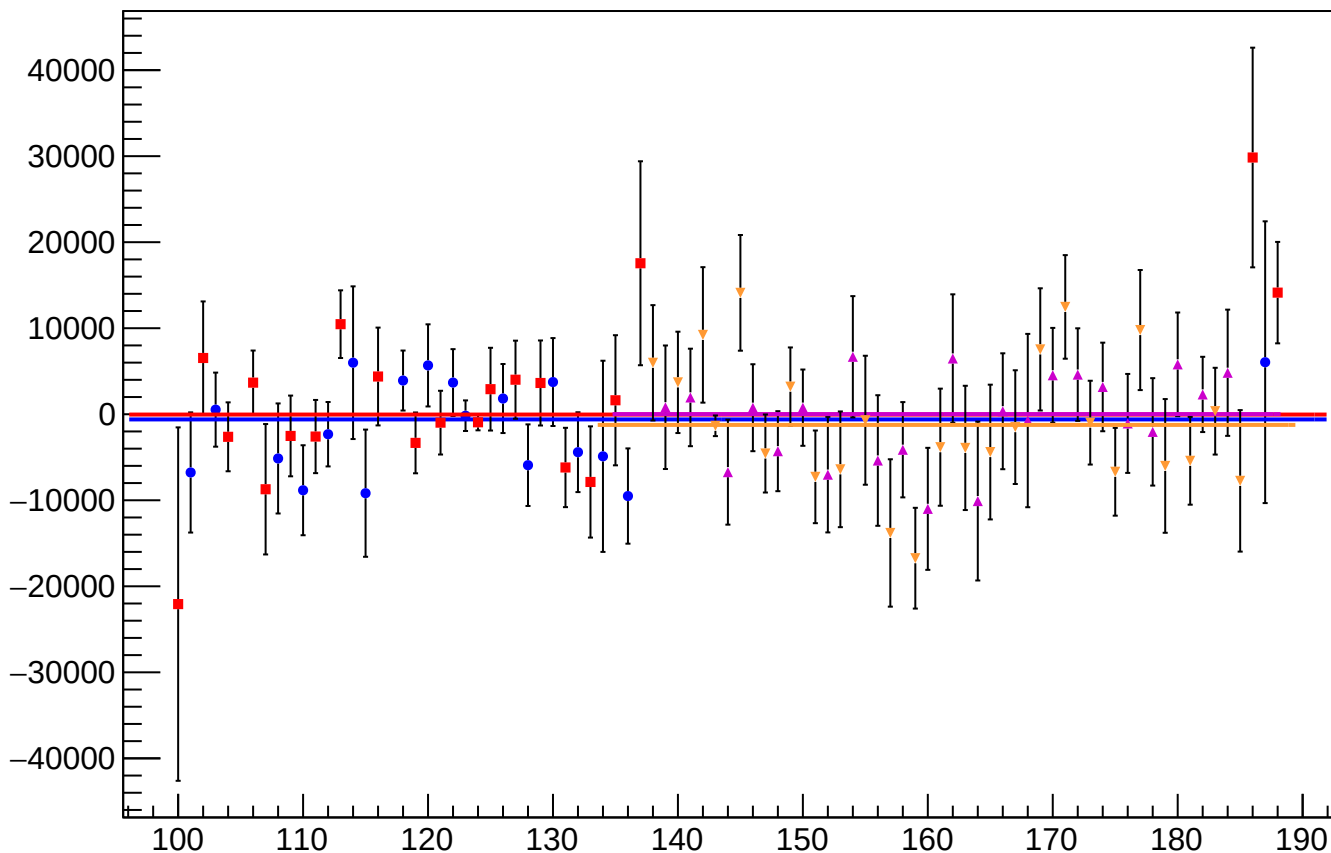
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1869.555+/-0.267 χ^2/NDF : 1227009.6/42

All: 1862.074+/-0.187 χ^2/NDF : 1708525.8/80

- sign 1854.941+/-0.261 χ^2/NDF : 479982.7/43

asym_atr1l2_avg_correction_mean vs Slug



Right In: -602.906+/-1009.065 χ^2/NDF : 16.5/17

Left Out: -1239.833+/-865.201 χ^2/NDF : 33.9/24

Right Out: -36.399+/-719.293 χ^2/NDF : 33.6/20

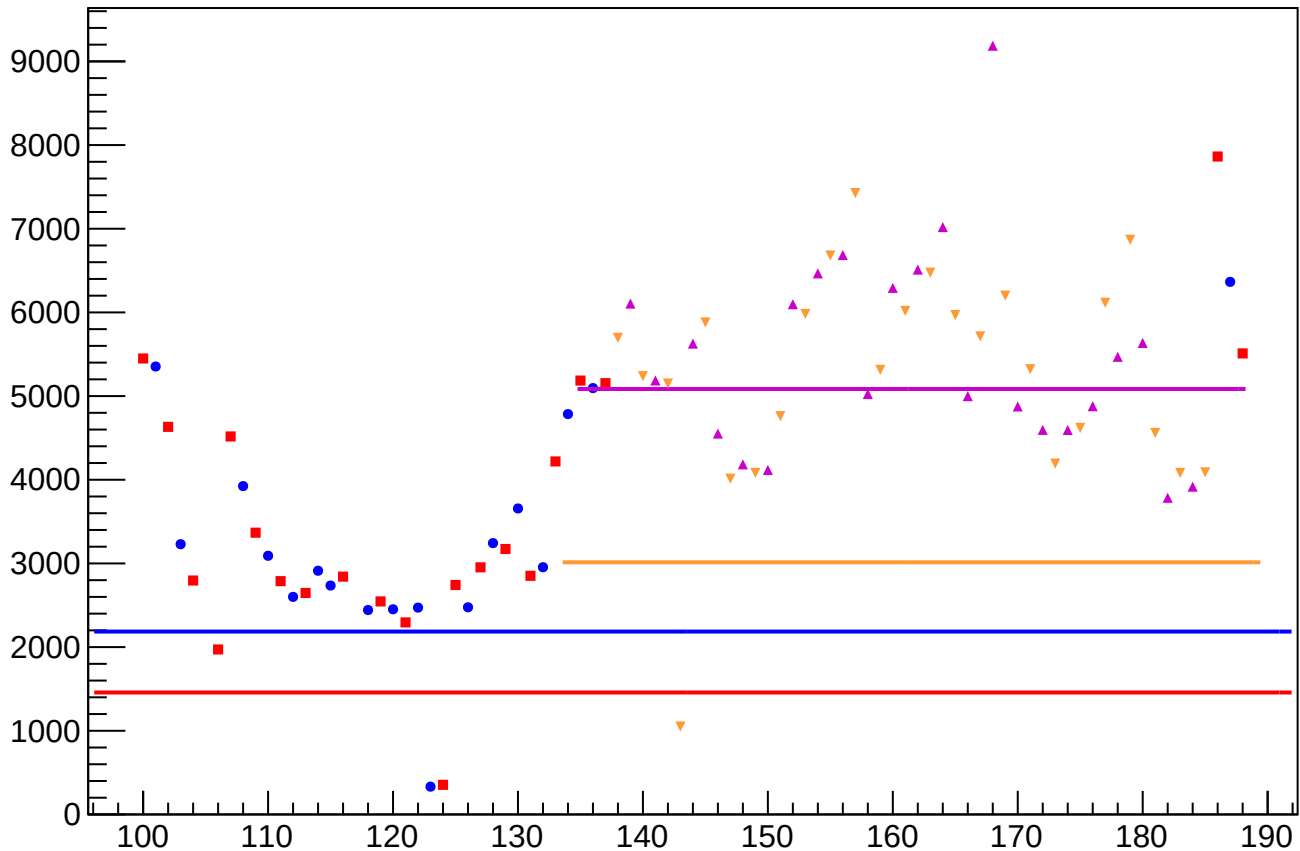
Left In: 15.863+/-1243.317 χ^2/NDF : 13.2/22

+ sign -969.972+/-656.817 χ^2/NDF : 50.7/42

All: -471.339+/-451.860 χ^2/NDF : 98.6/86

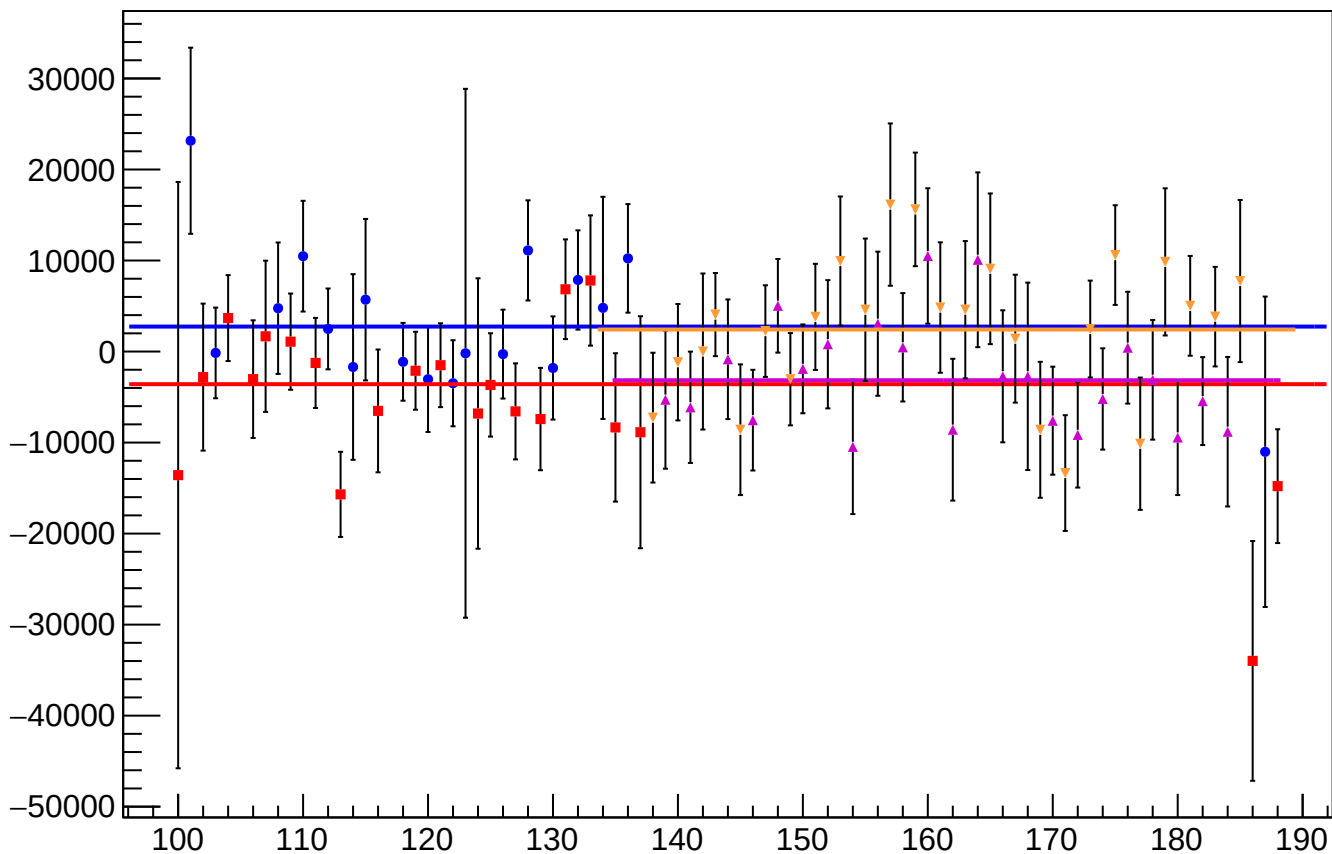
- sign -23.294+/-622.608 χ^2/NDF : 46.8/43

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2185.837 $\pm$ 0.714	χ^2 /NDF: 4108811.2/17	+ sign 2662.692 $\pm$ 0.464	χ^2 /NDF: 17154580.3/42
Left Out: 3013.268 $\pm$ 0.612	χ^2 /NDF: 12270753.9/24	All: 2506.975 $\pm$ 0.320	χ^2 /NDF: 39737219.6/8
Right Out: 1457.496 $\pm$ 0.509	χ^2 /NDF: 8312544.7/20	- sign 2367.055 $\pm$ 0.440	χ^2 /NDF: 22369218.6/43
Left In: 5084.645 $\pm$ 0.879	χ^2 /NDF: 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2742.800+/-1446.940 χ^2/NDF : 16.4/17

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -3585.694+/-1343.263 χ^2/NDF : 27.1/20

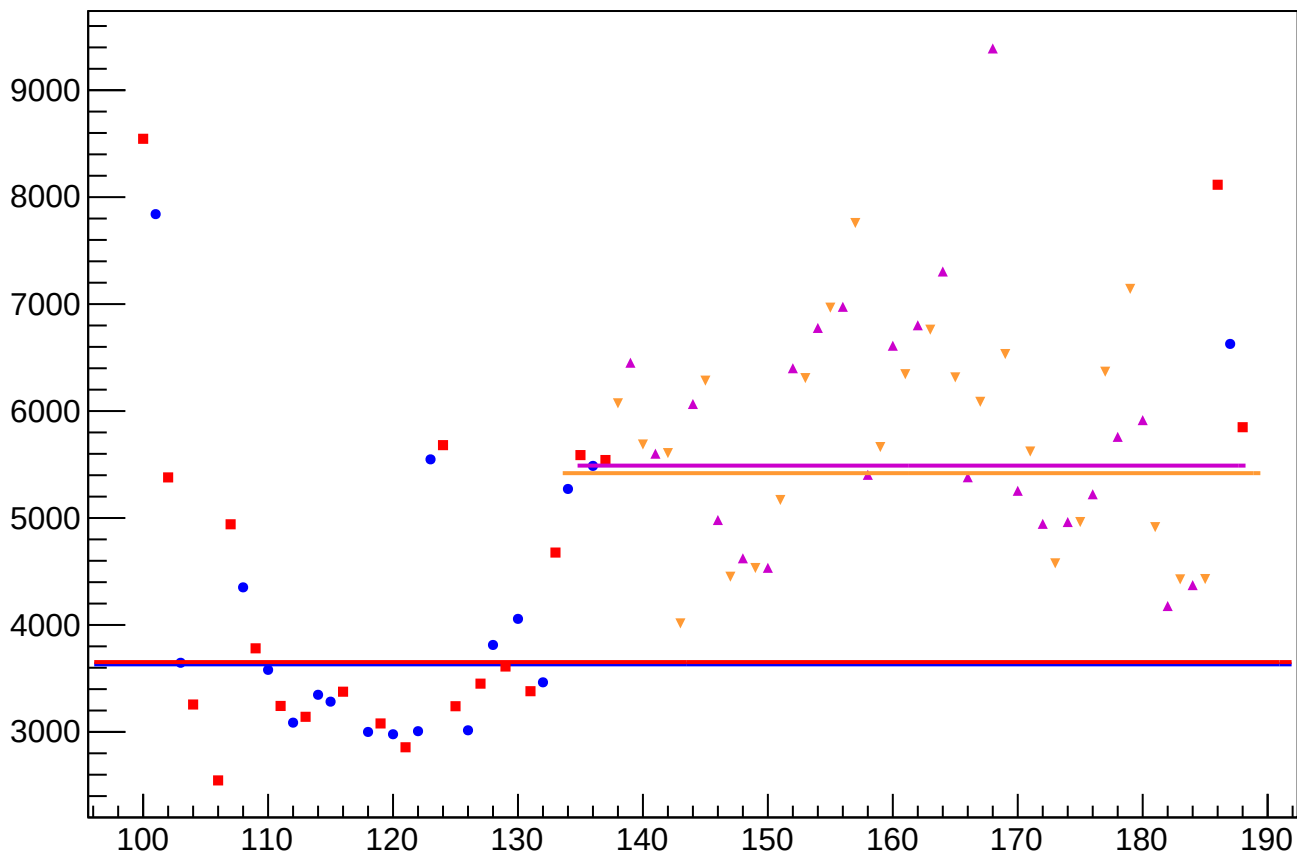
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2560.957+/-961.426 χ^2/NDF : 46.3/42

All: -446.326+/-674.941 χ^2/NDF : 108.3/86

- sign -3368.622+/-947.743 χ^2/NDF : 42.7/43

asym_atr1l2_avg_rms vs Slug



Right In: 3631.736+/-1.023 χ^2/NDF : 845372.8/17

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 3652.992+/-0.937 χ^2/NDF : 1162796.6/20

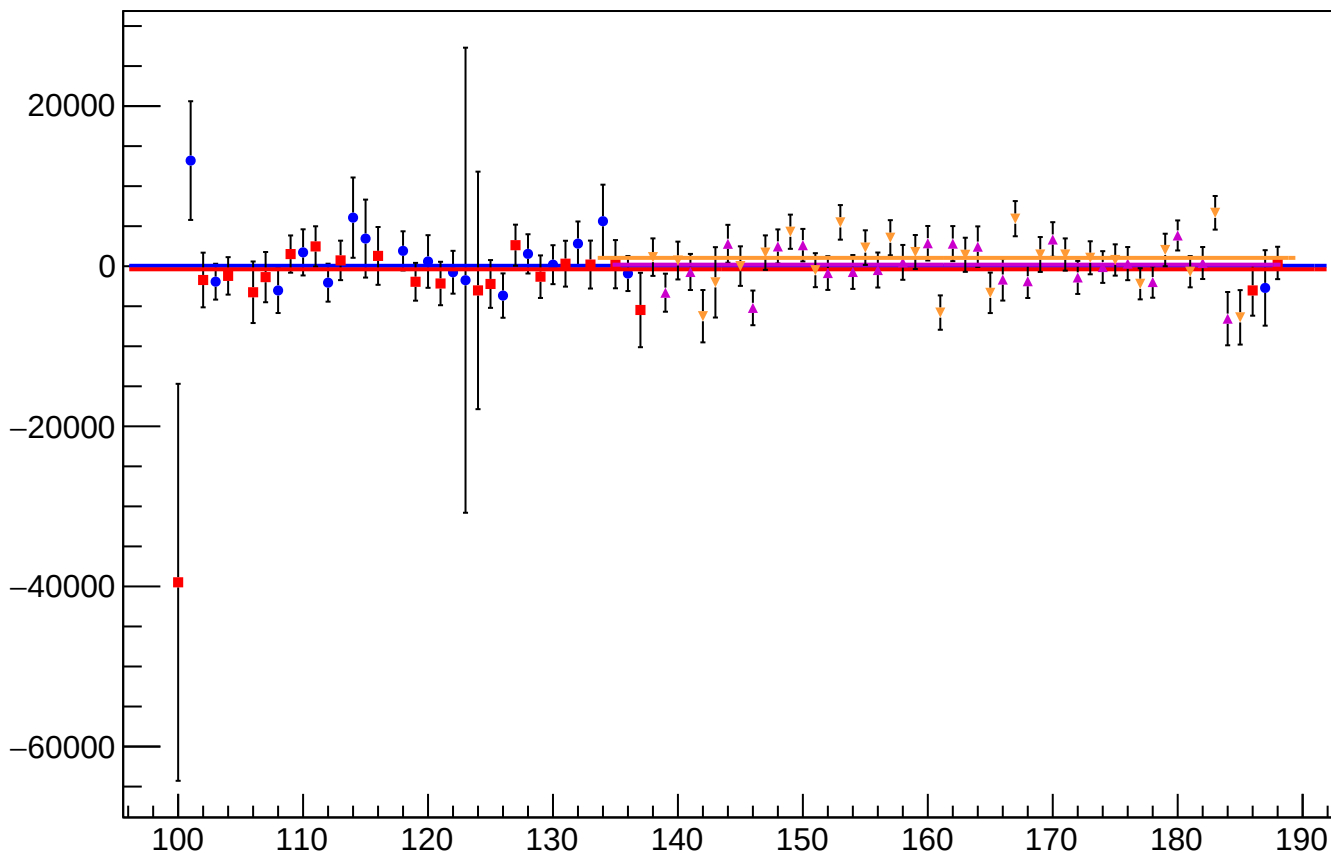
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4630.089+/-0.680 χ^2/NDF : 3660175.0/42

All: 4595.978+/-0.476 χ^2/NDF : 7795548.6/80

- sign 4563.269+/-0.666 χ^2/NDF : 4130441.8/43

reg_asym_atr1l2_dd_mean vs Slug



Right In: 52.874+/-703.125 χ^2/NDF : 14.1/17

Left Out: 1041.262+/-446.249 χ^2/NDF : 48.6/24

Right Out: -386.809+/-634.442 χ^2/NDF : 10.8/20

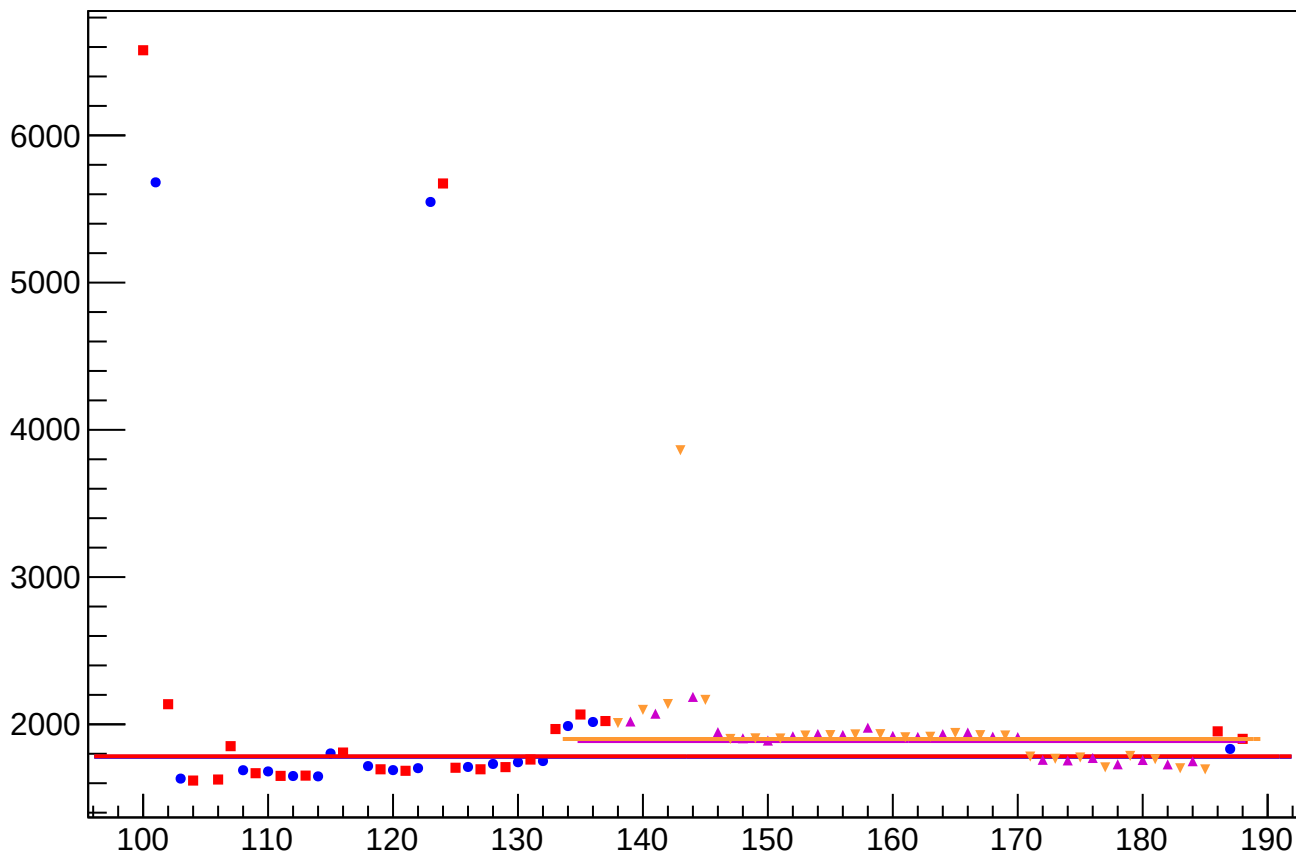
Left In: 191.966+/-453.055 χ^2/NDF : 30.0/22

+ sign 757.456+/-376.773 χ^2/NDF : 64.1/42

All: 368.737+/-263.517 χ^2/NDF : 107.4/86

- sign -3.499+/-368.698 χ^2/NDF : 41.3/43

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1779.417 $\pm$ 0.497 χ^2 /NDF: 643245.1/17

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1782.859 $\pm$ 0.446 χ^2 /NDF: 319949.4/20

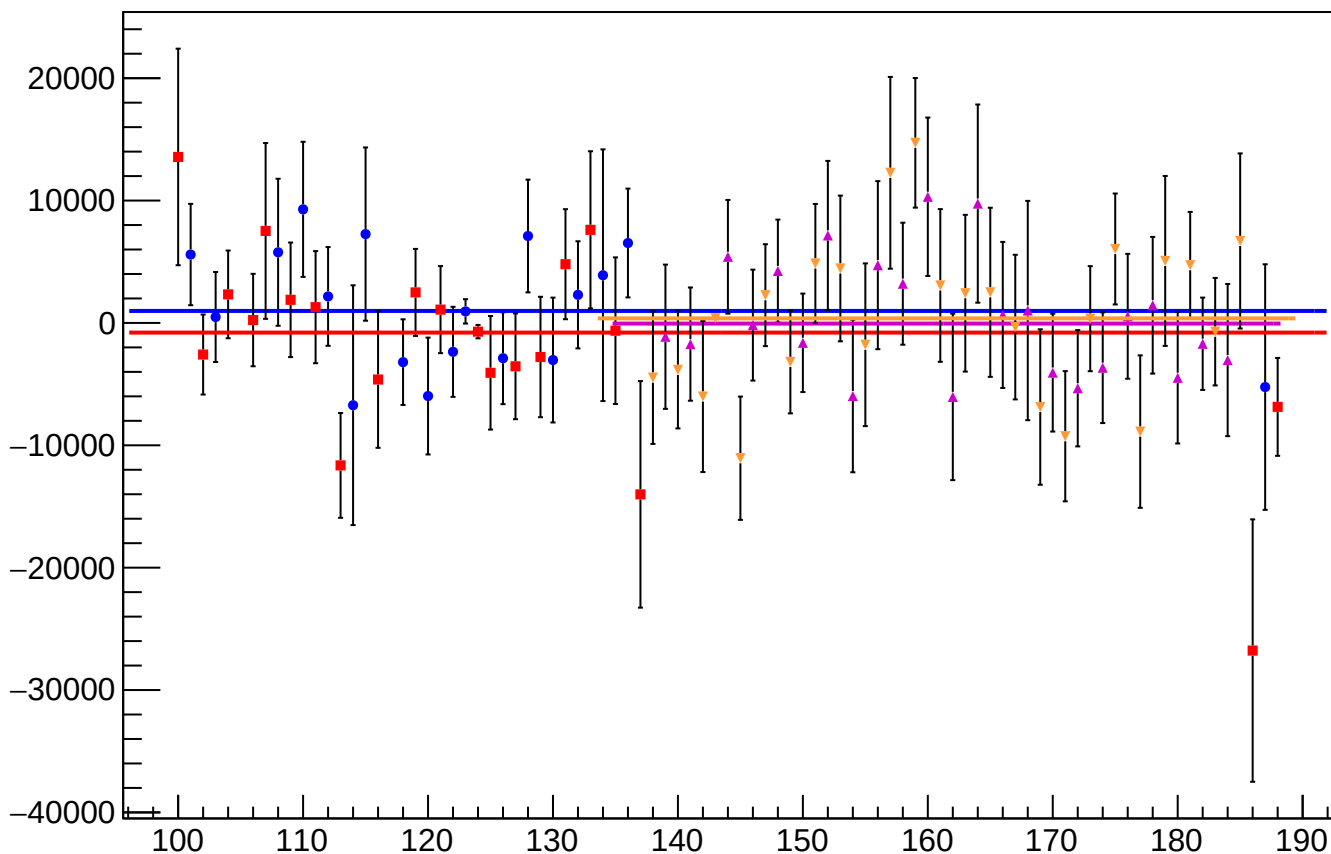
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1865.586 $\pm$ 0.266 χ^2 /NDF: 1223274.8/42

All: 1858.193 $\pm$ 0.186 χ^2 /NDF: 1703788.8/86

- sign 1851.143 $\pm$ 0.260 χ^2 /NDF: 479009.8/43

asym_atr1l2_dd_correction_mean vs Slug



Right In: 980.802 $\pm$ 751.209 χ^2/NDF : 15.6/17

Left Out: 373.277 $\pm$ 382.071 χ^2/NDF : 30.8/24

Right Out: -788.063 $\pm$ 484.183 χ^2/NDF : 28.2/20

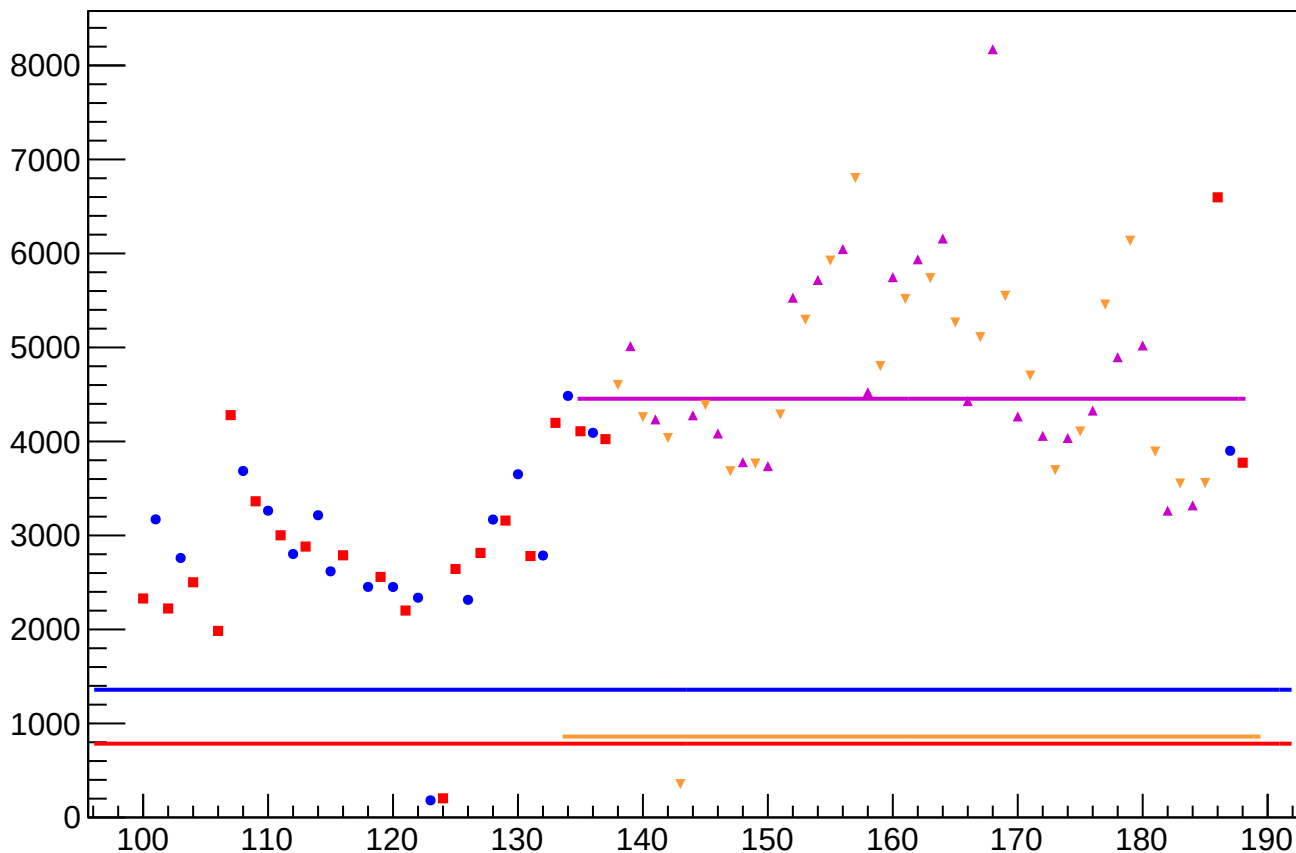
Left In: -53.099 $\pm$ 1089.888 χ^2/NDF : 14.5/22

+ sign 498.135 $\pm$ 340.554 χ^2/NDF : 46.9/42

All: 64.738 $\pm$ 269.878 χ^2/NDF : 94.4/86

- sign -666.920 $\pm$ 442.484 χ^2/NDF : 43.1/43

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1358.802 $\pm$ 0.531 χ^2 /NDF: 6964588.5/17

Left Out: 860.545 $\pm$ 0.270 χ^2 /NDF: 26340106.5/24

Right Out: 785.005 $\pm$ 0.342 χ^2 /NDF: 11211369.4/20

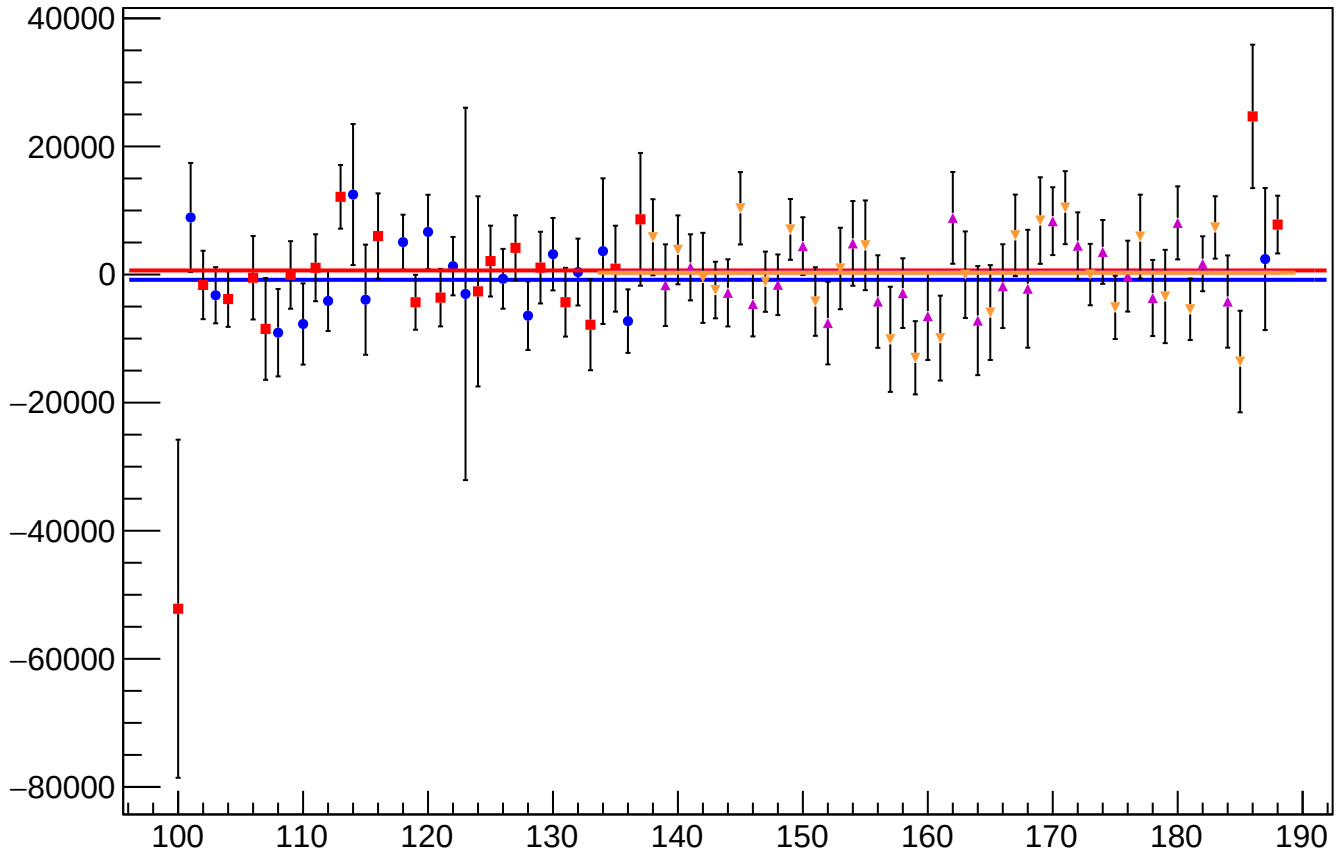
Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

+ sign 962.946 $\pm$ 0.241 χ^2 /NDF: 34003729.6/42

All: 1121.744 $\pm$ 0.191 χ^2 /NDF: 66667364.4/8

- sign 1389.825 $\pm$ 0.313 χ^2 /NDF: 31494656.7/43

asym_atr1l2_dd_mean vs Slug



Right In: -822.452+/-1389.076 χ^2/NDF : 13.7/17

Left Out: 288.508+/-1155.419 χ^2/NDF : 32.4/24

Right Out: 638.772+/-1270.365 χ^2/NDF : 25.5/20

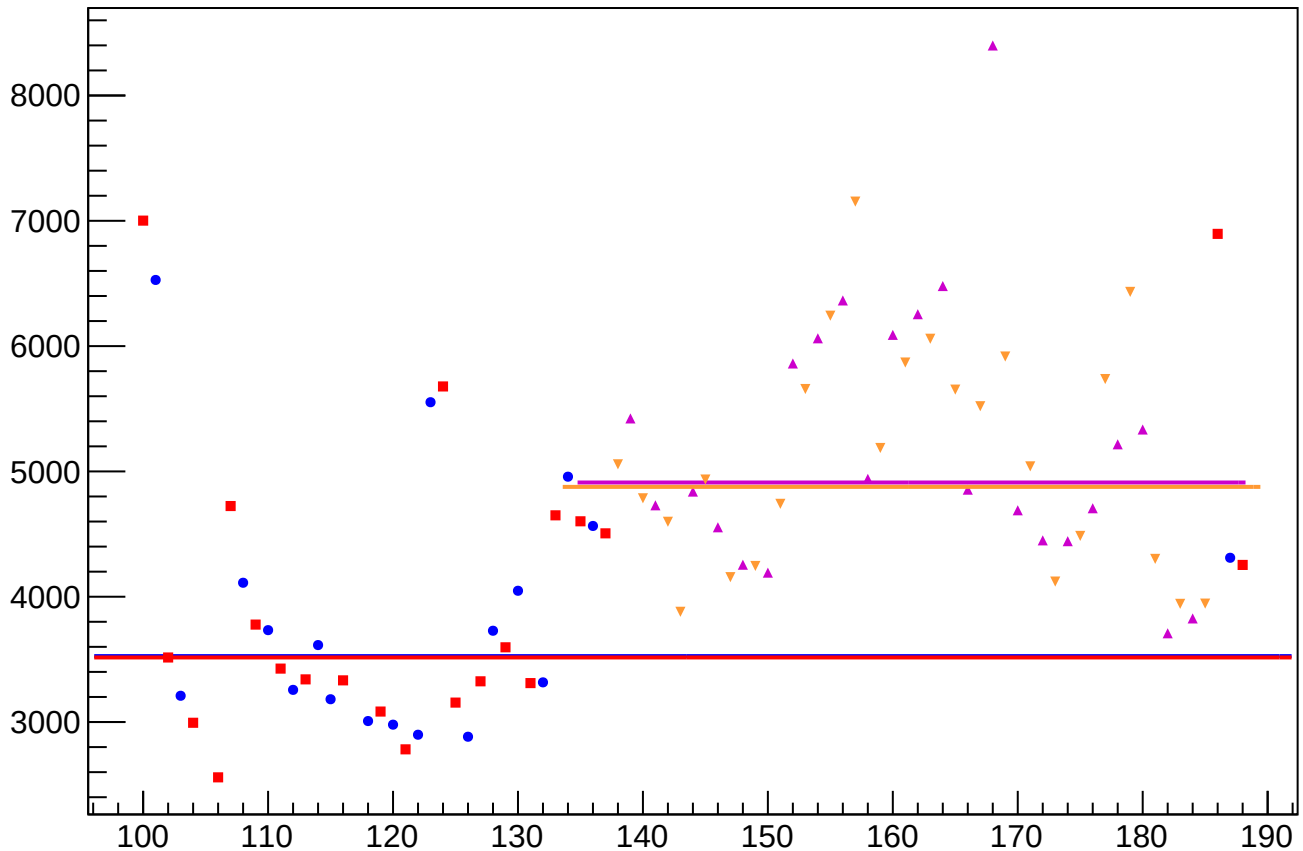
Left In: 332.488+/-1196.011 χ^2/NDF : 14.7/22

+ sign -165.807+/-888.291 χ^2/NDF : 46.5/42

All: 161.681+/-621.843 χ^2/NDF : 86.9/86

- sign 476.405+/-870.808 χ^2/NDF : 40.2/43

asym_atr1l2_dd_rms vs Slug



Right In: 3526.195 $\pm$ 0.982 χ^2 /NDF: 570949.7/17

Left Out: 4876.564 $\pm$ 0.817 χ^2 /NDF: 972528.1/24

Right Out: 3515.345 $\pm$ 0.888 χ^2 /NDF: 678227.2/20

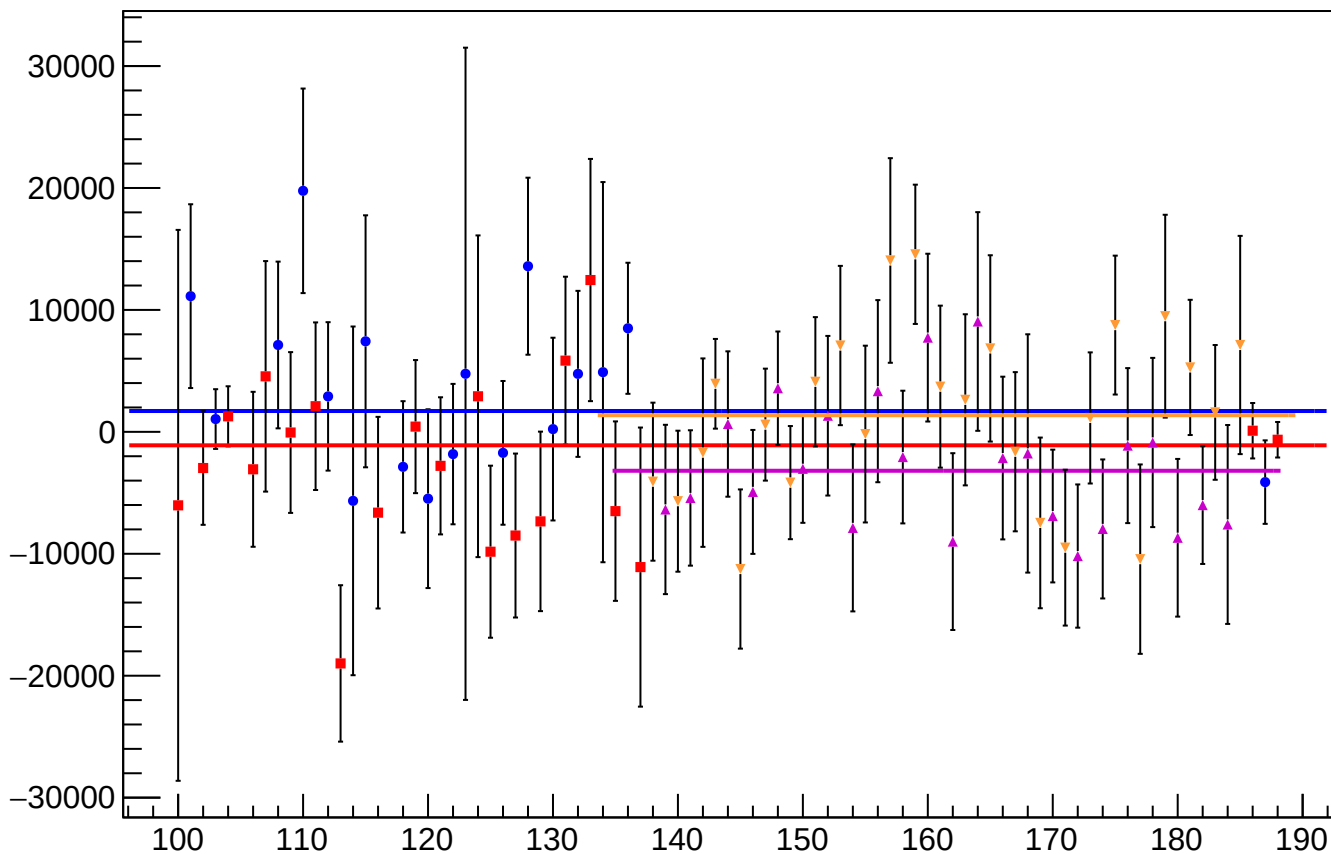
Left In: 4911.546 $\pm$ 0.846 χ^2 /NDF: 1043164.6/22

+ sign 4324.341 $\pm$ 0.628 χ^2 /NDF: 2660643.2/42

All: 4284.794 $\pm$ 0.438 χ^2 /NDF: 5686627.4/80

- sign 4247.213 $\pm$ 0.612 χ^2 /NDF: 3018253.0/43

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1710.231+/-1339.827 χ^2/NDF : 17.4/17

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -1104.407+/-918.035 χ^2/NDF : 18.4/20

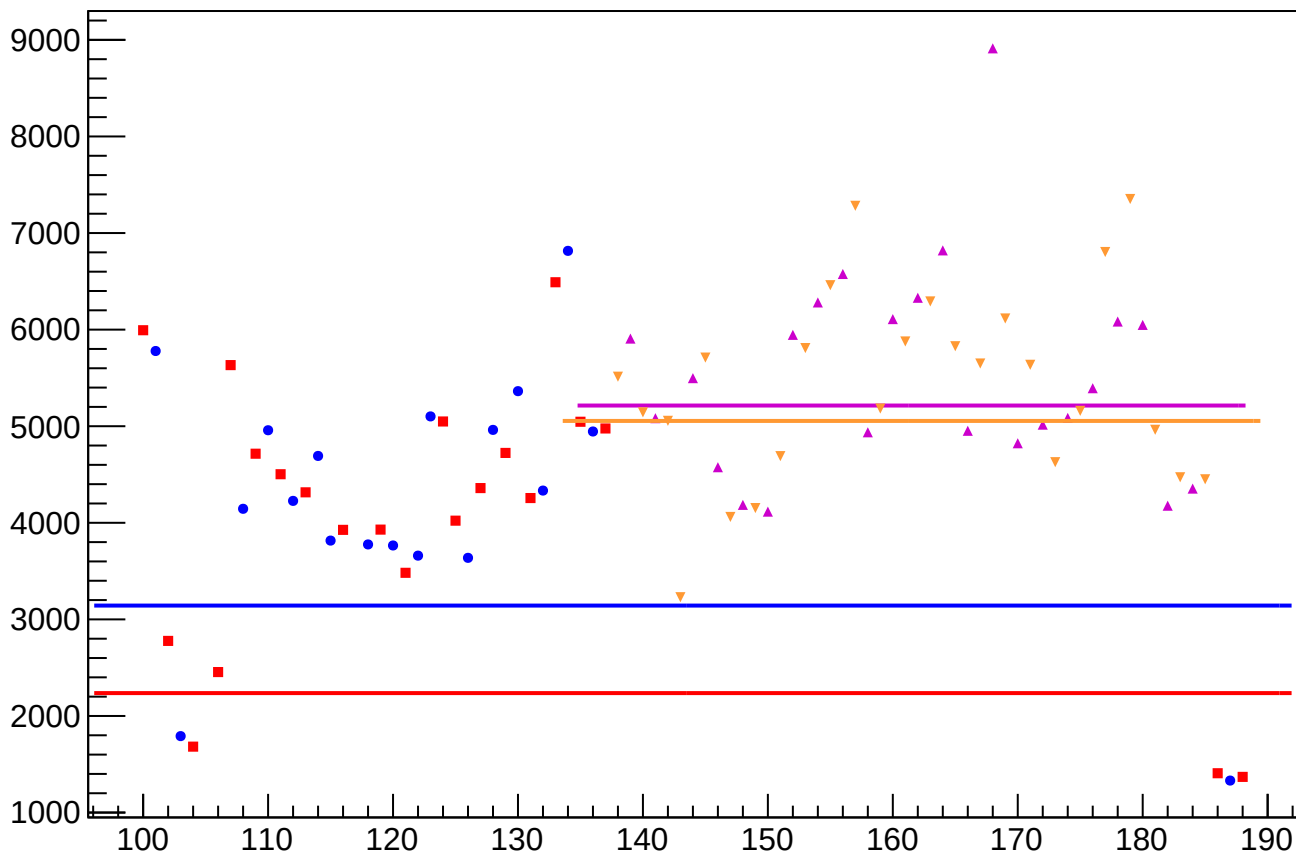
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 1519.601+/-896.471 χ^2/NDF : 45.4/42

All: -458.246+/-572.521 χ^2/NDF : 87.7/86

- sign -1820.562+/-744.010 χ^2/NDF : 34.1/43

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3143.005+/-0.947 χ^2/NDF : 2427284.1/17

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 2236.830+/-0.647 χ^2/NDF : 4104587.4/20

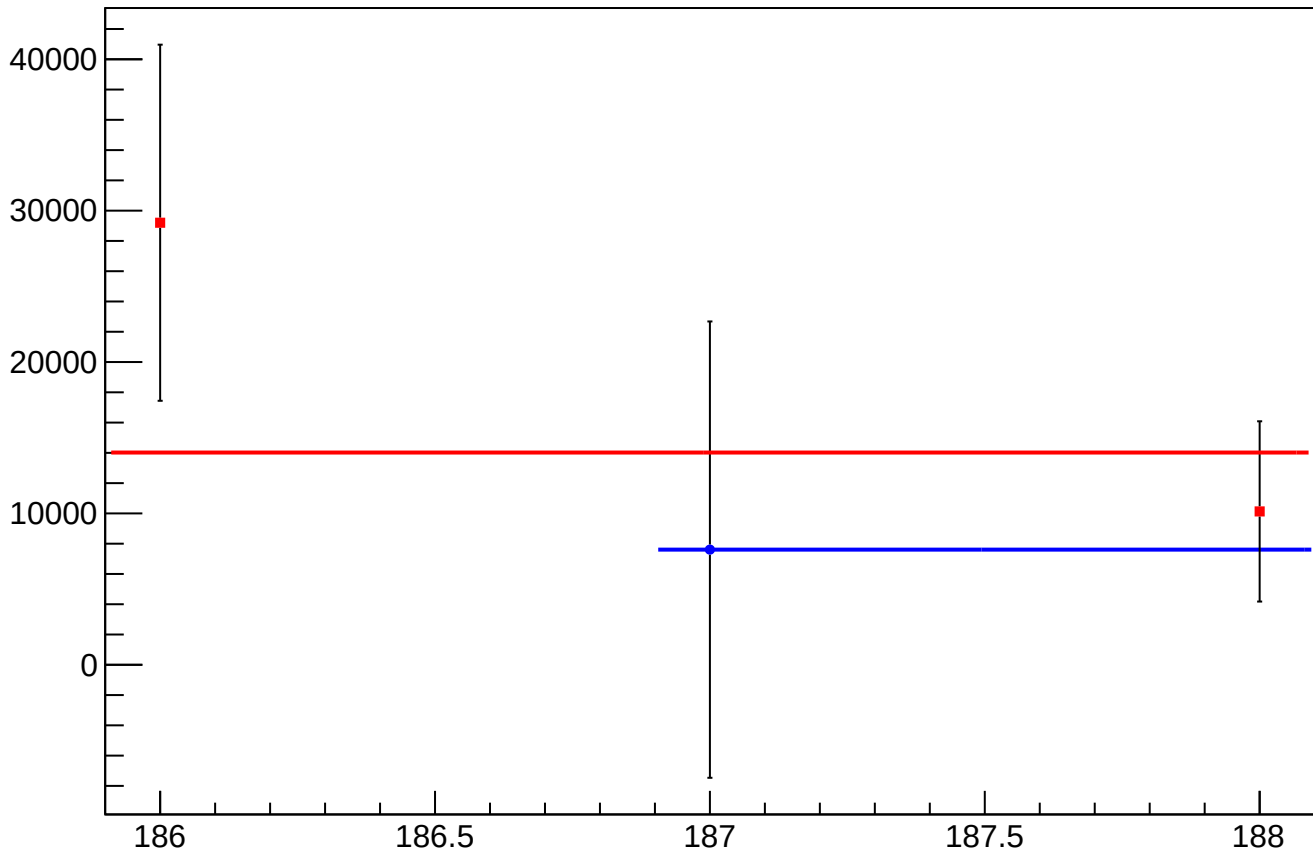
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 4198.845+/-0.634 χ^2/NDF : 6113406.7/42

All: 3637.640+/-0.404 χ^2/NDF : 19830668.2/8

- sign 3253.148+/-0.525 χ^2/NDF : 12396455.8/43

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 7607.549 $\pm$ 15073.069 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 14021.280 $\pm$ 5312.568 χ^2 /NDF: 2.1/1

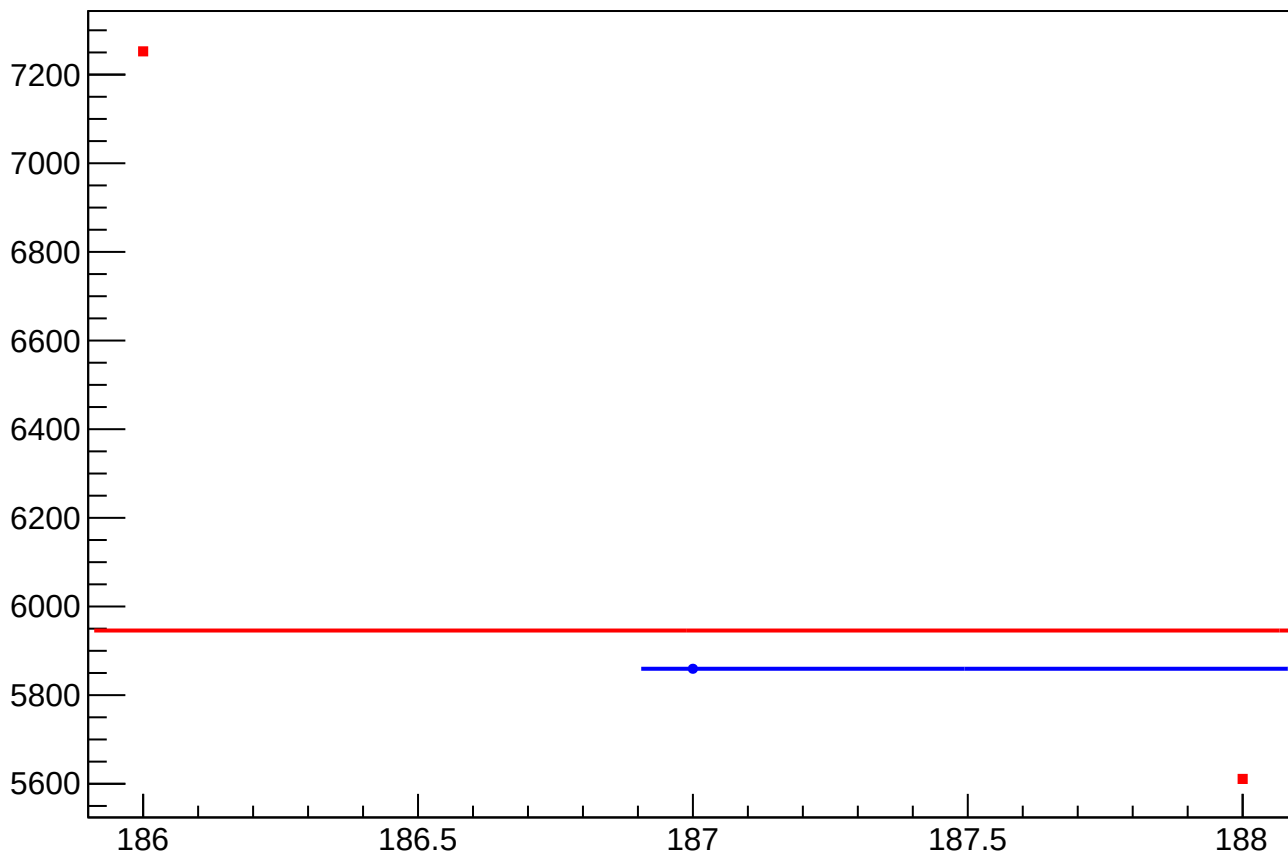
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 13312.578 $\pm$ 5010.466 χ^2 /NDF: 2.3/2

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5859.521+/-10.658 χ^2/NDF : 0.0/0

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

Right Out: 5945.802+/-3.757 χ^2/NDF : 31004.1/1

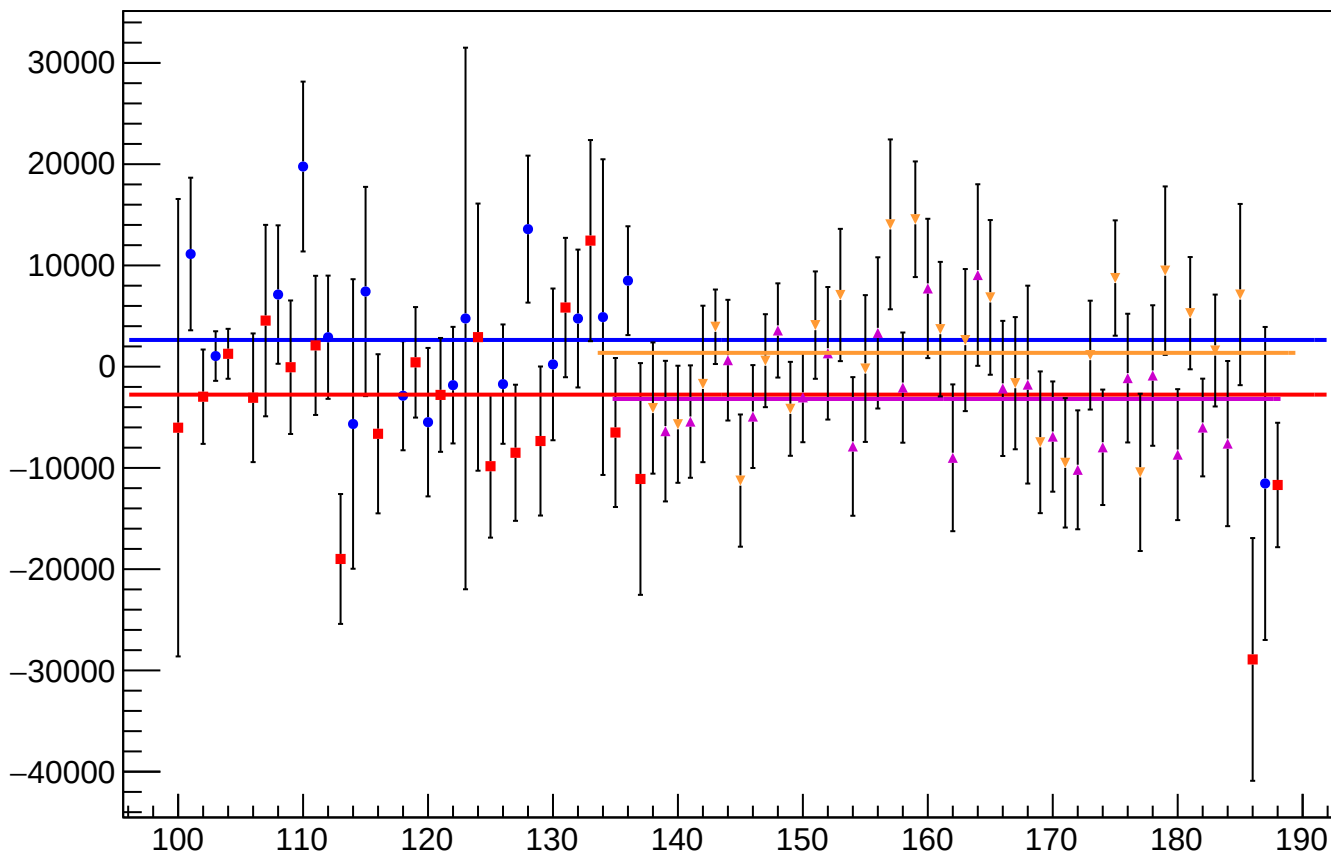
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 5936.269+/-3.543 χ^2/NDF : 31062.4/2

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2639.185 $\pm$ 1449.534 χ^2 /NDF: 14.8/17

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -2761.094 $\pm$ 1341.625 χ^2 /NDF: 24.8/20

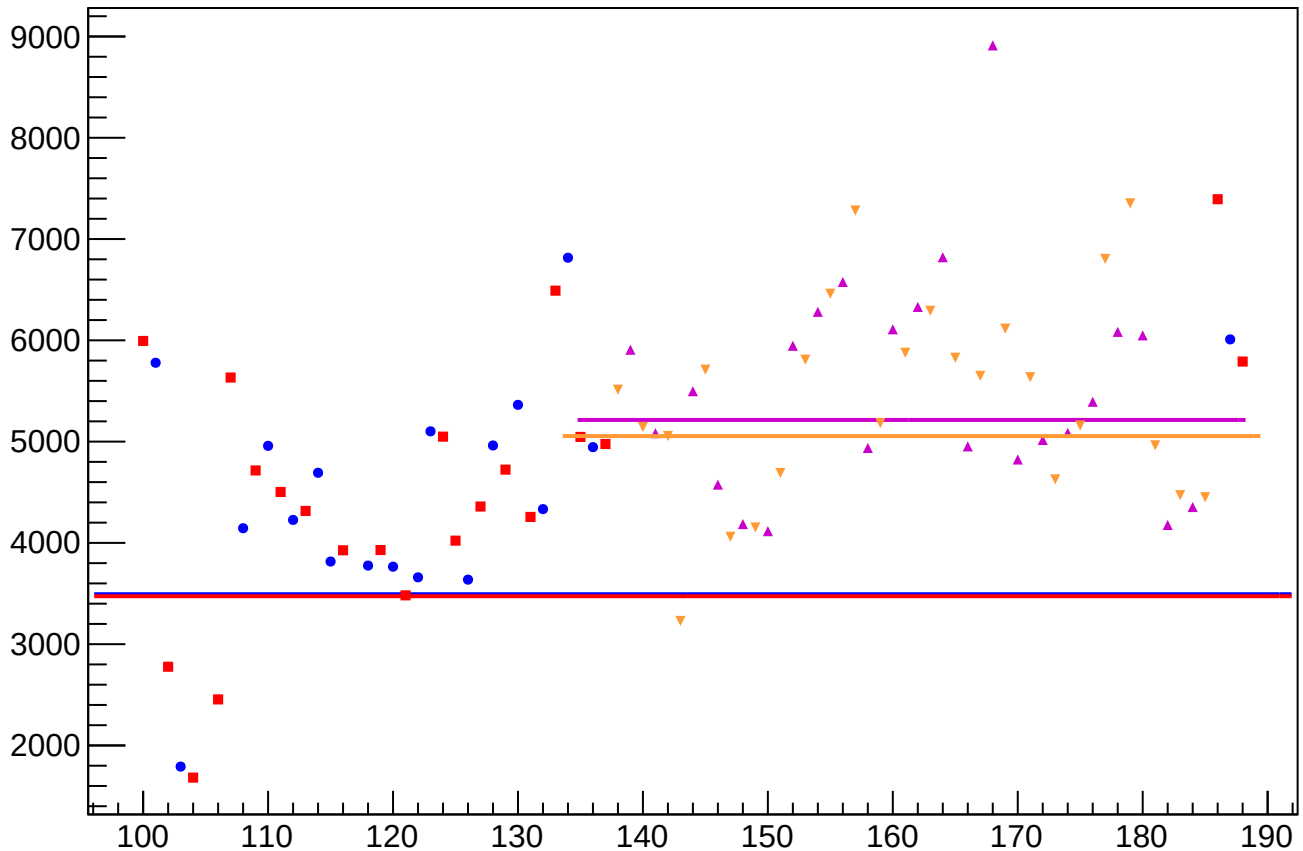
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1886.399 $\pm$ 927.208 χ^2 /NDF: 43.2/42

All: -563.649 $\pm$ 653.899 χ^2 /NDF: 96.0/86

- sign -2987.909 $\pm$ 922.316 χ^2 /NDF: 38.9/43

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3492.972 $\pm$ 1.025 χ^2 /NDF: 1819362.9/17

Left Out: 5054.711 $\pm$ 0.853 χ^2 /NDF:1437224.7/24

Right Out: 3473.514 $\pm$ 0.940 χ^2 /NDF: 2439444.0/20

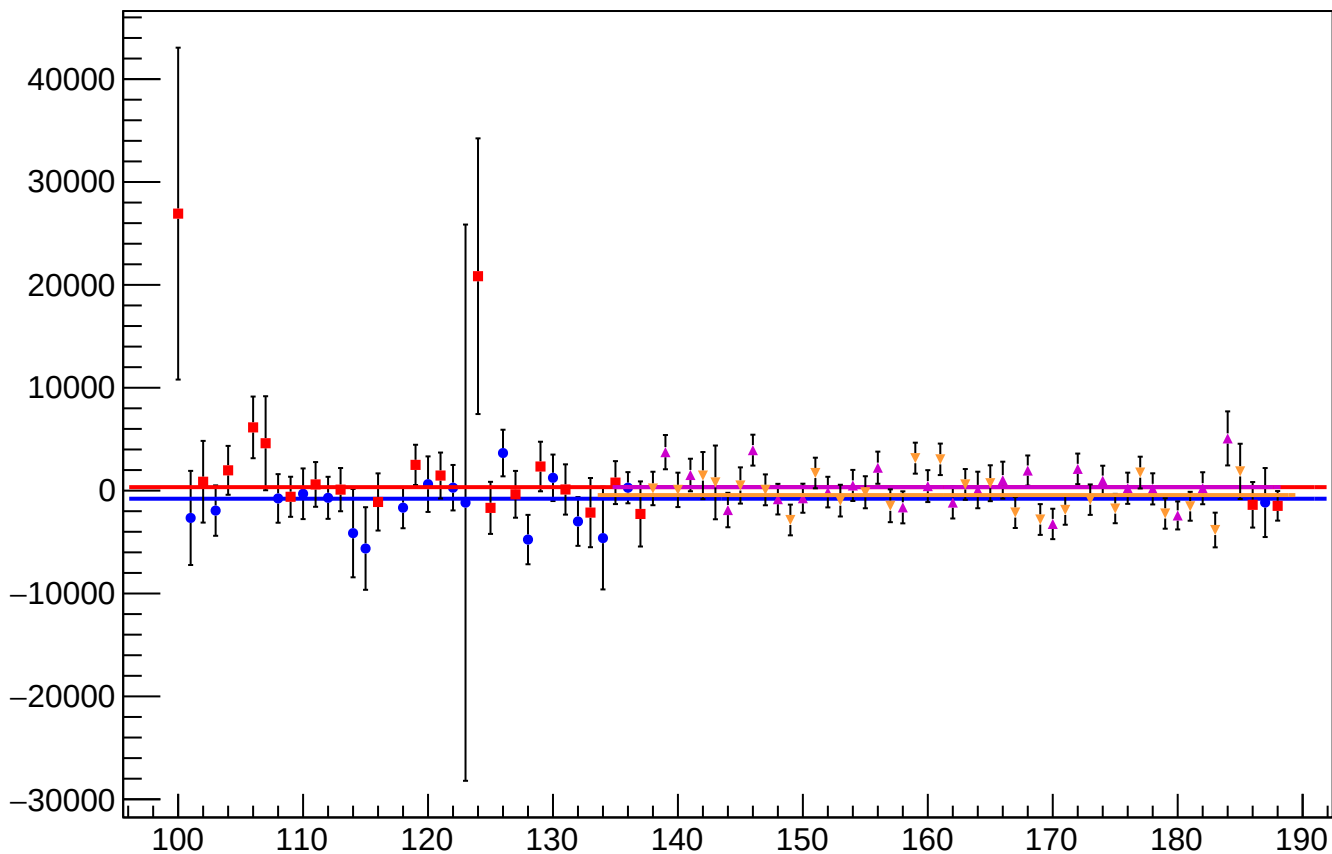
Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF:1052501.5/22

+ sign 4415.685 $\pm$ 0.656 χ^2 /NDF: 4628320.8/42

All: 4399.687 $\pm$ 0.461 χ^2 /NDF: 9913110.3/86

- sign 4383.986 $\pm$ 0.649 χ^2 /NDF: 5283609.7/43

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -786.784 ± 595.958 χ^2/NDF : 12.5/17

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 339.009 ± 534.784 χ^2/NDF : 17.1/20

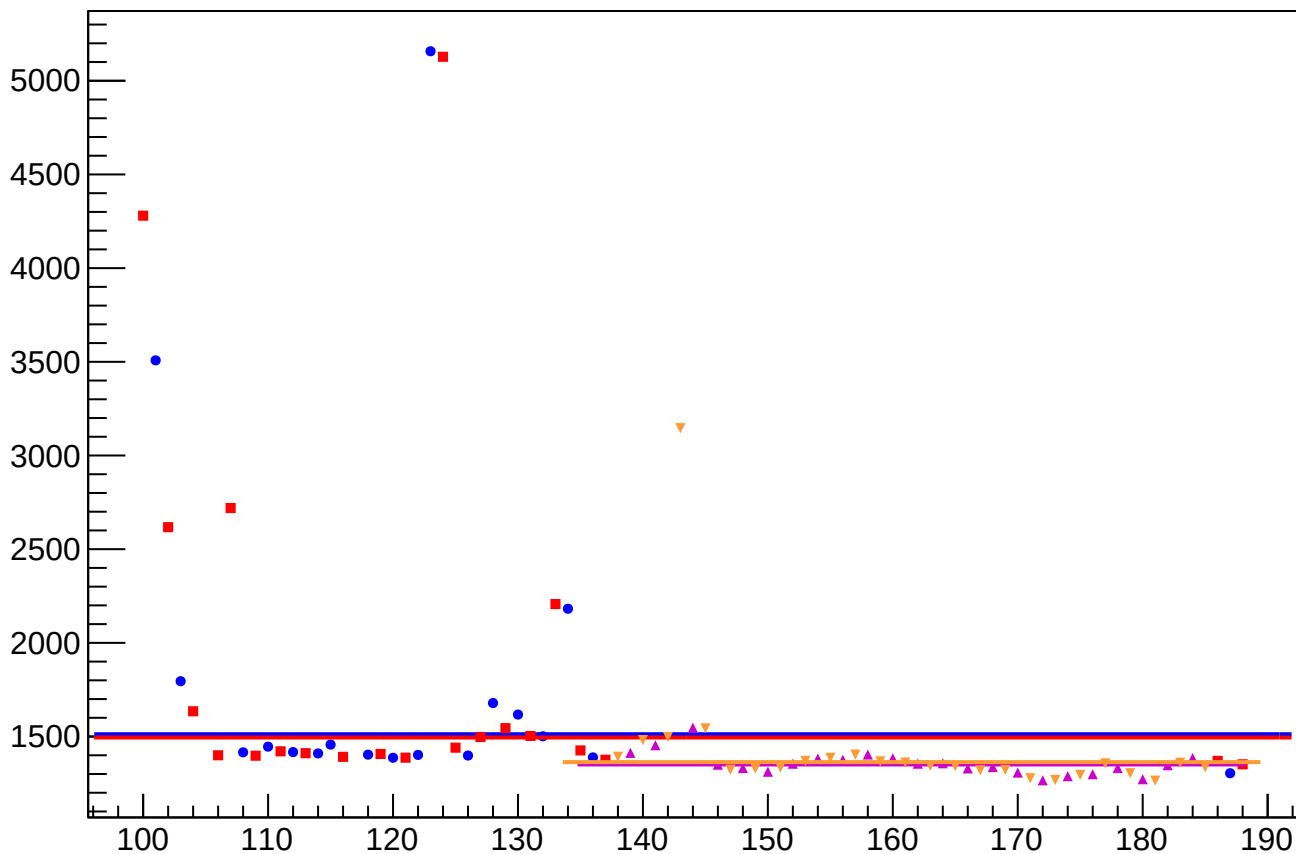
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -511.385 ± 282.297 χ^2/NDF : 45.9/42

All: -76.897 ± 197.838 χ^2/NDF : 101.4/86

- sign 342.465 ± 277.340 χ^2/NDF : 50.8/43

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1512.385+/-0.421 χ^2 /NDF: 545634.7/17

Left Out: 1363.561+/-0.227 χ^2 /NDF: 575226.6/24

Right Out: 1494.749+/-0.378 χ^2 /NDF: 663671.9/20

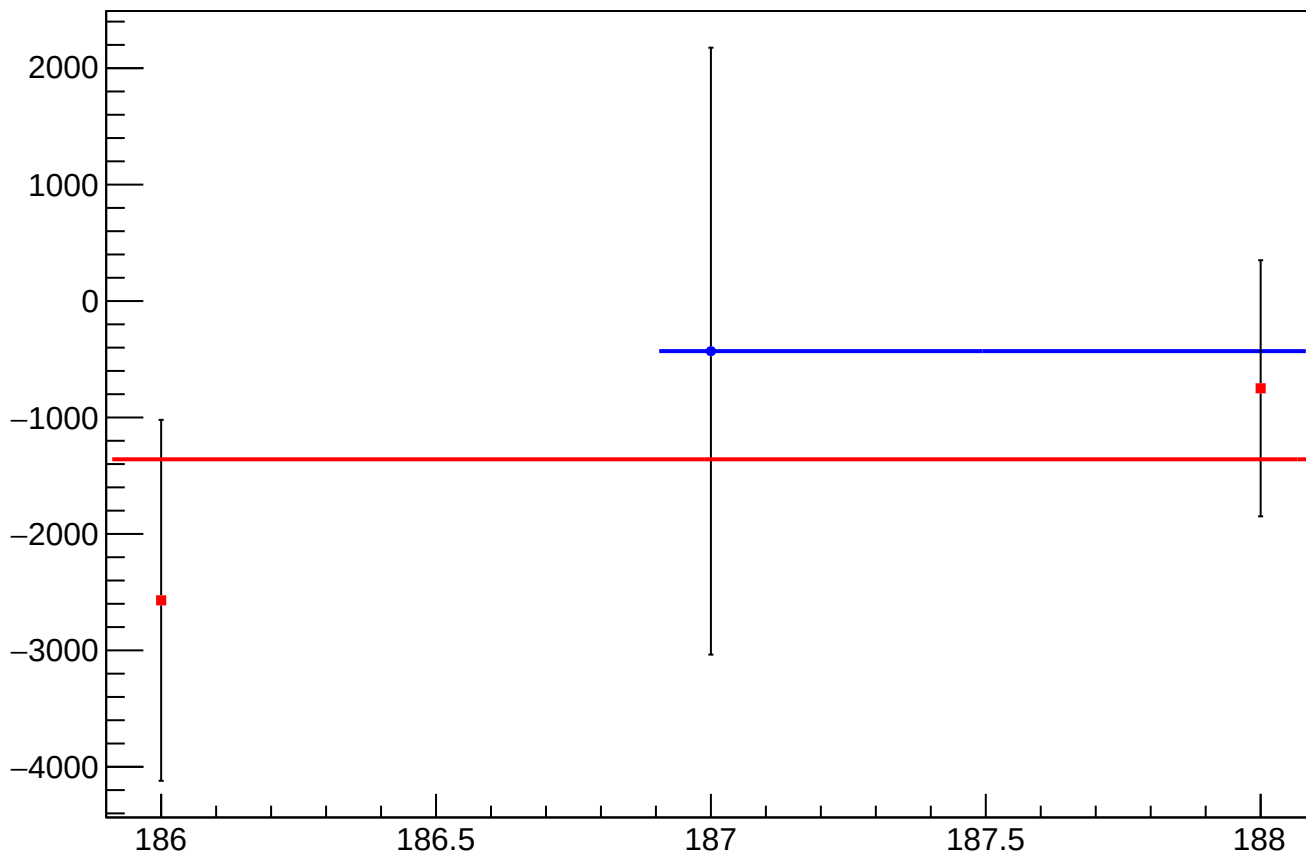
Left In: 1350.909+/-0.229 χ^2 /NDF: 67144.5/22

+ sign 1396.954+/-0.200 χ^2 /NDF: 1217599.3/42

All: 1393.209+/-0.140 χ^2 /NDF: 2054882.9/86

- sign 1389.595+/-0.196 χ^2 /NDF: 836591.9/43

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -430.080 $\pm$ 2606.243 χ^2/NDF : 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Right Out: -1358.956 $\pm$ 896.823 χ^2/NDF : 0.9/1

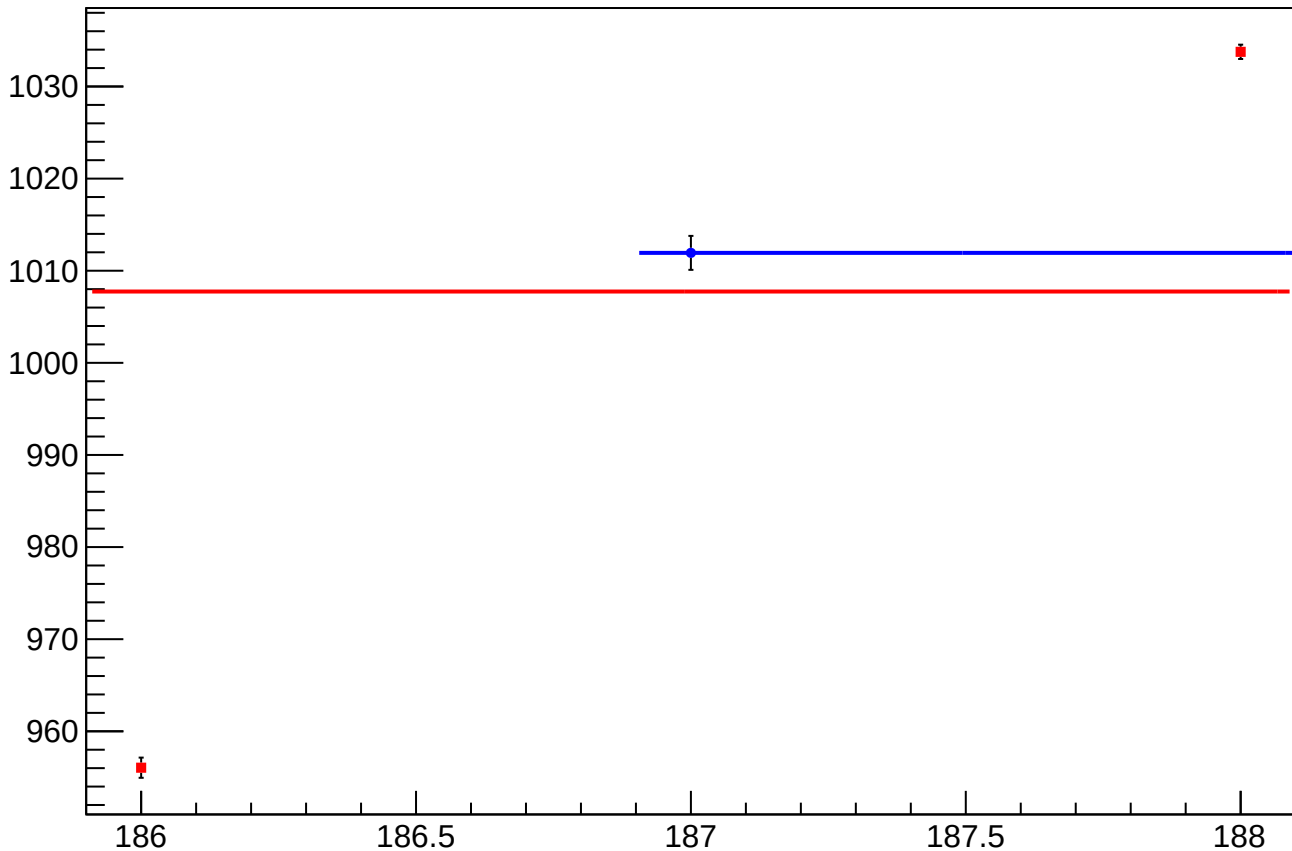
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: -1260.614 $\pm$ 848.020 χ^2/NDF : 1.0/2

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1011.938 $\pm$ 1.843 χ^2/NDF : 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Right Out: 1007.742 $\pm$ 0.634 χ^2/NDF : 3344.9/1

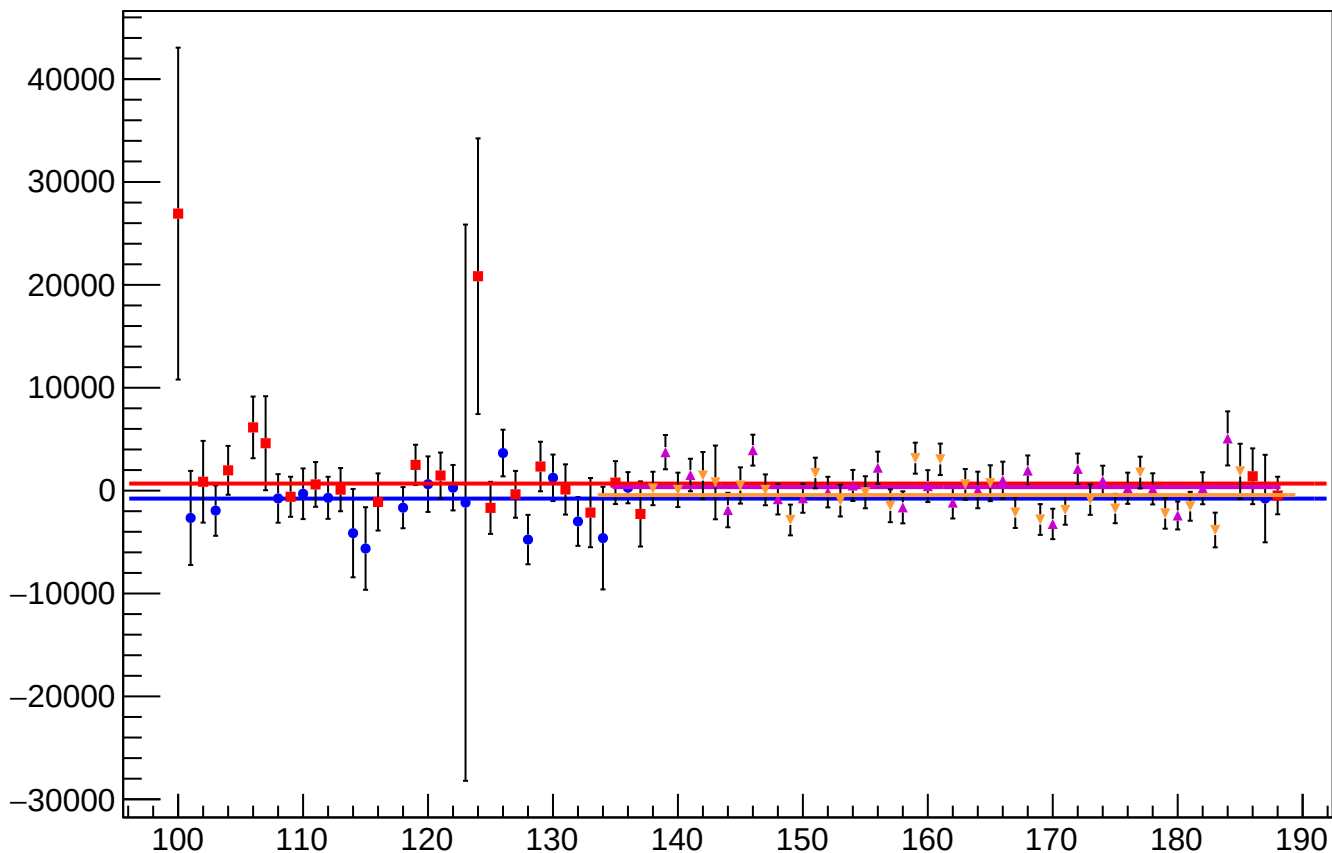
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: 1008.186 $\pm$ 0.600 χ^2/NDF : 3349.5/2

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -774.636+/-599.549 χ^2/NDF : 12.5/17

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 686.815+/-555.100 χ^2/NDF : 14.8/20

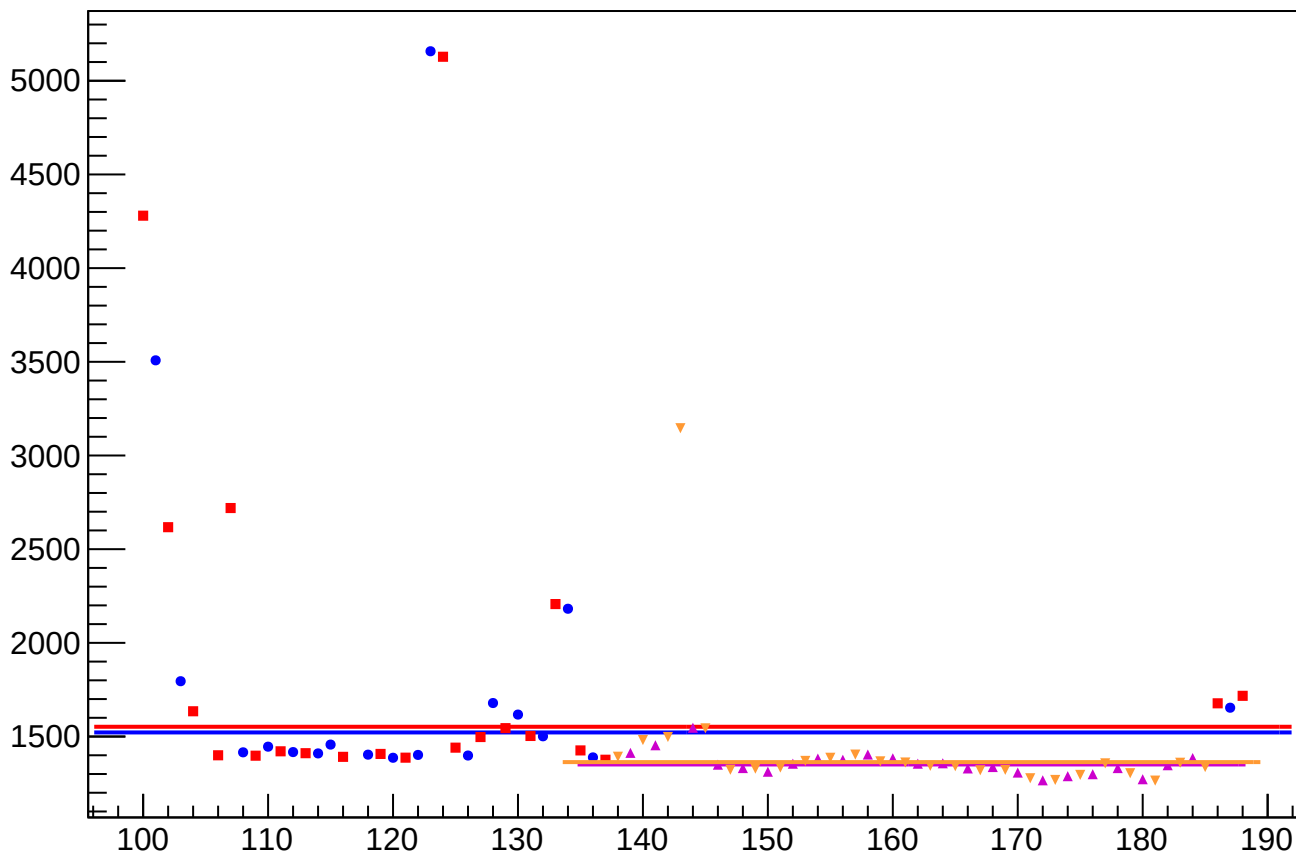
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -507.944+/-282.676 χ^2/NDF : 45.9/42

All: -34.073+/-198.951 χ^2/NDF : 100.3/86

- sign 431.065+/-280.059 χ^2/NDF : 48.9/43

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1521.847+/-0.424 χ^2/NDF : 539645.8/17

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1552.163+/-0.393 χ^2/NDF : 654981.0/20

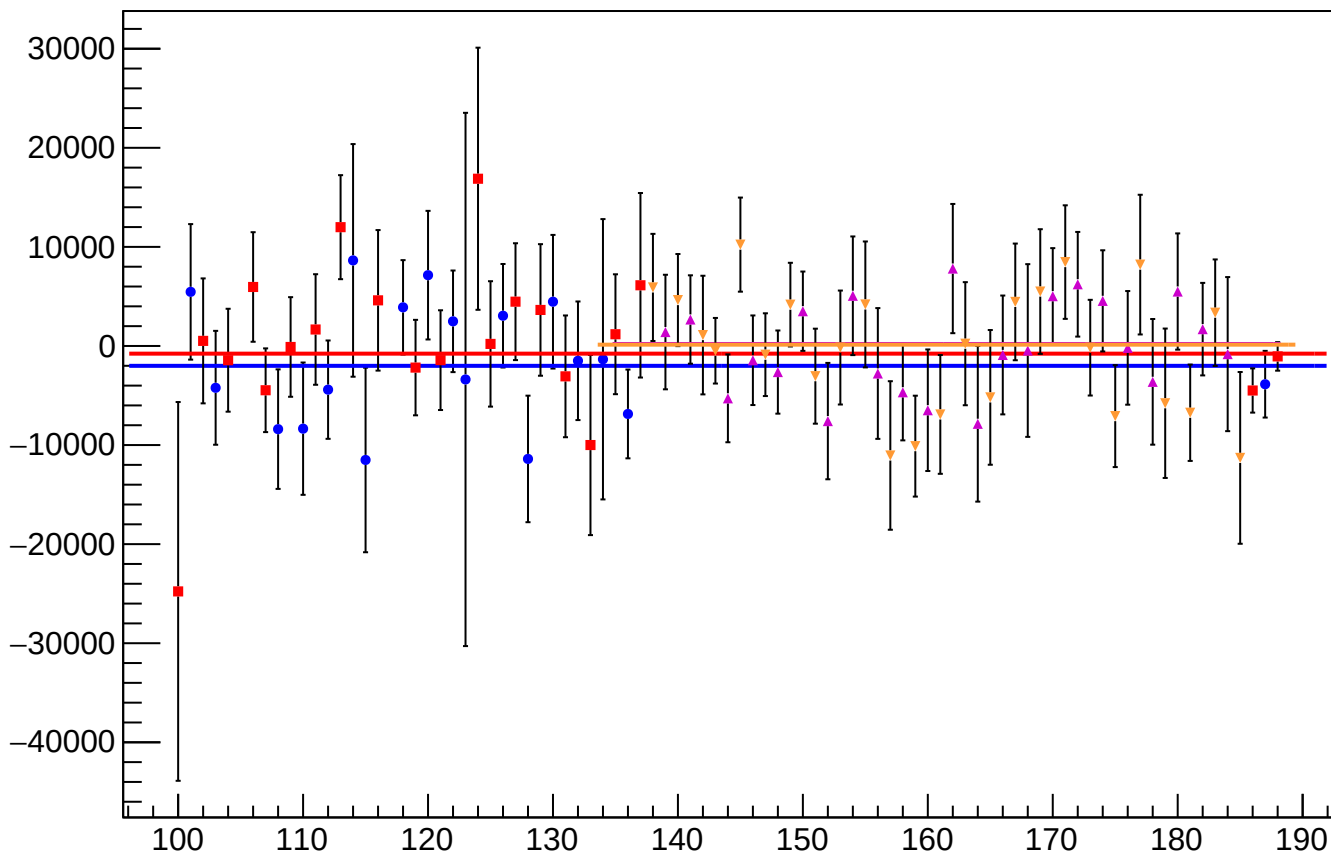
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1398.747+/-0.200 χ^2/NDF : 1223285.1/42

All: 1400.458+/-0.141 χ^2/NDF : 2141533.0/86

- sign 1402.137+/-0.198 χ^2/NDF : 918102.8/43

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -2004.342 ± 1383.486 χ^2/NDF : 15.3/17

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -774.953 ± 910.239 χ^2/NDF : 18.4/20

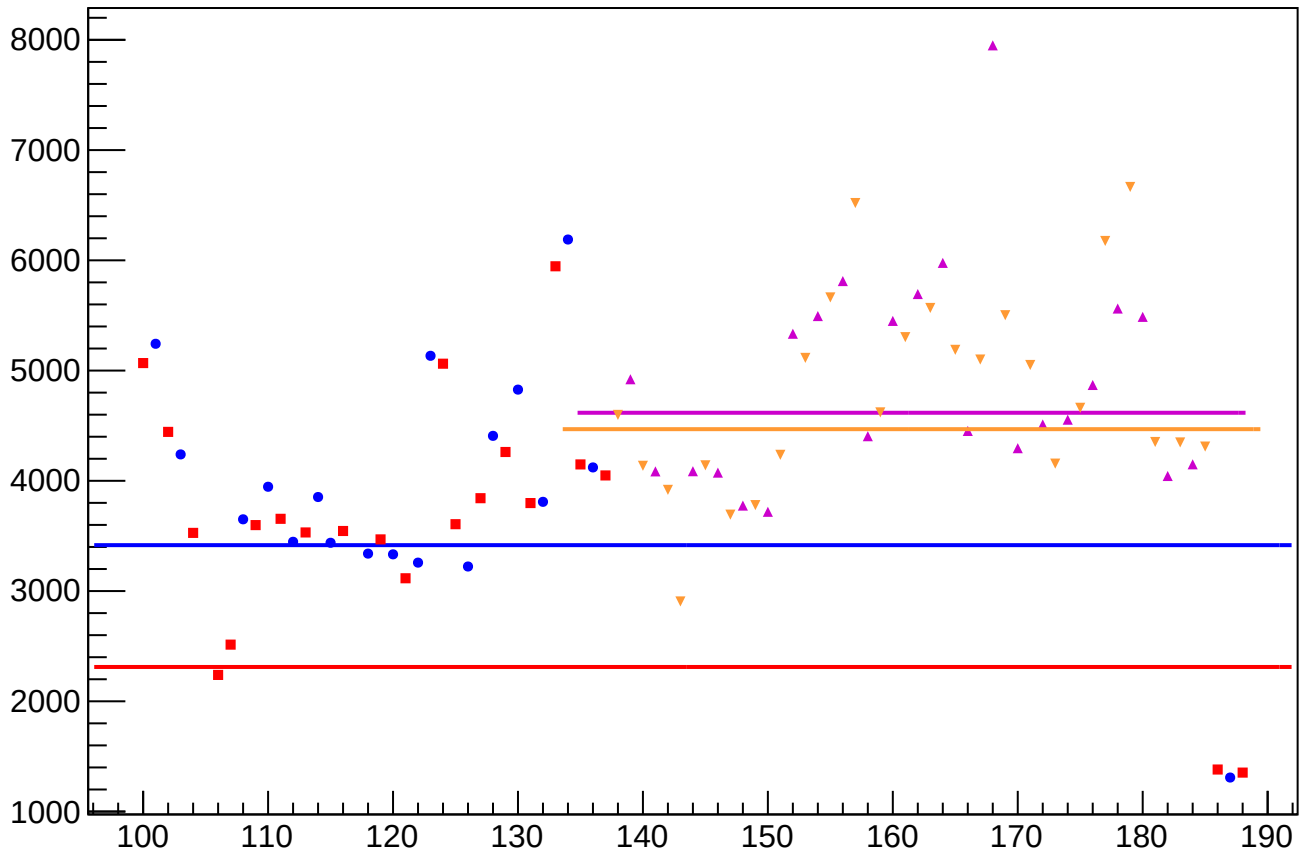
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -663.330 ± 844.185 χ^2/NDF : 44.9/42

All: -501.861 ± 542.135 χ^2/NDF : 78.5/86

- sign -388.527 ± 707.251 χ^2/NDF : 33.6/43

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3416.453+/-0.978 χ^2/NDF : 1271328.2/17

Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24

Right Out: 2311.411+/-0.641 χ^2/NDF : 3369114.9/20

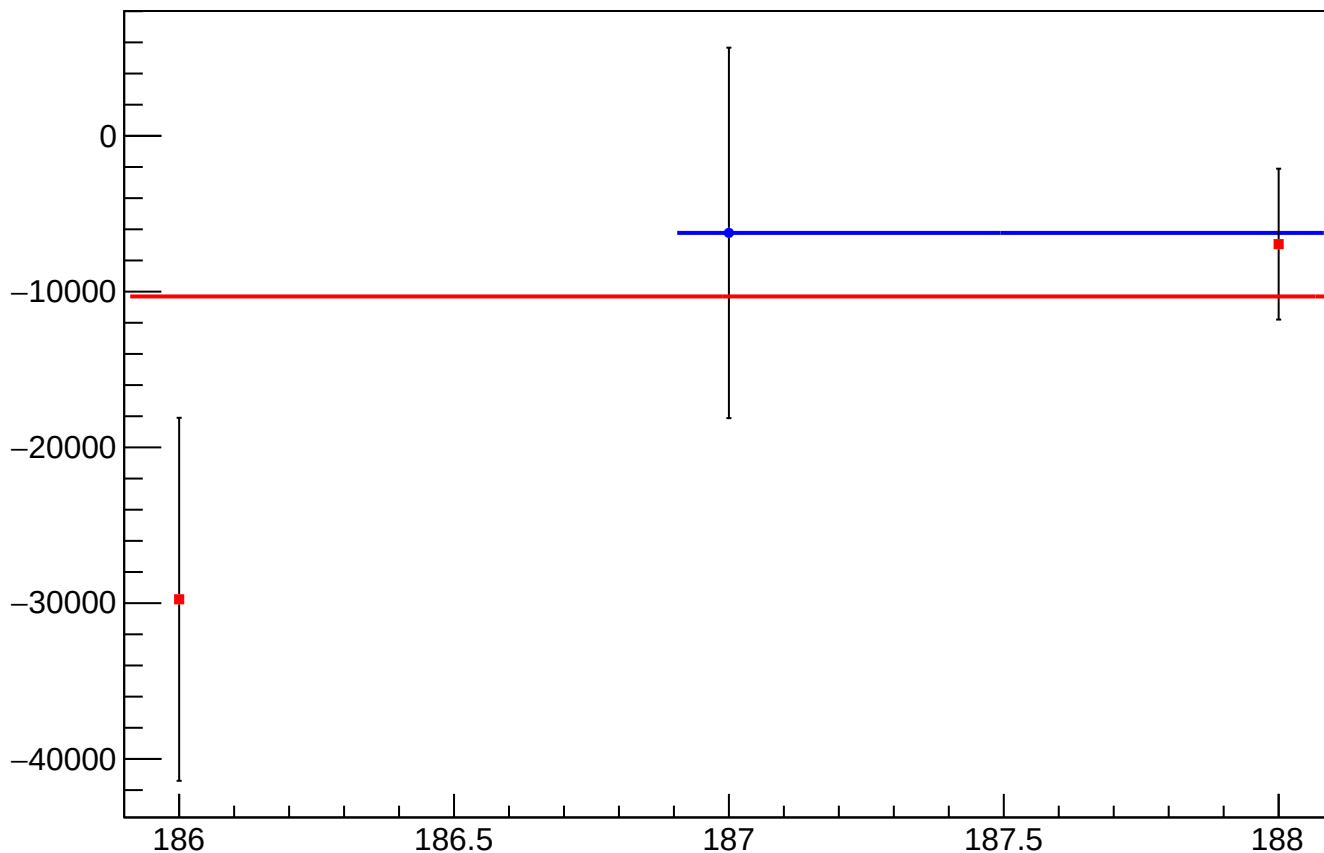
Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

+ sign 4076.795+/-0.597 χ^2/NDF : 3377887.6/42

All: 3572.815+/-0.383 χ^2/NDF : 14059693.3/8

- sign 3220.775+/-0.499 χ^2/NDF : 9471039.8/43

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -6230.200 $\pm$ 11890.741 χ^2/NDF : 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Right Out: -10309.399 $\pm$ 4471.948 χ^2/NDF : 3.3/1

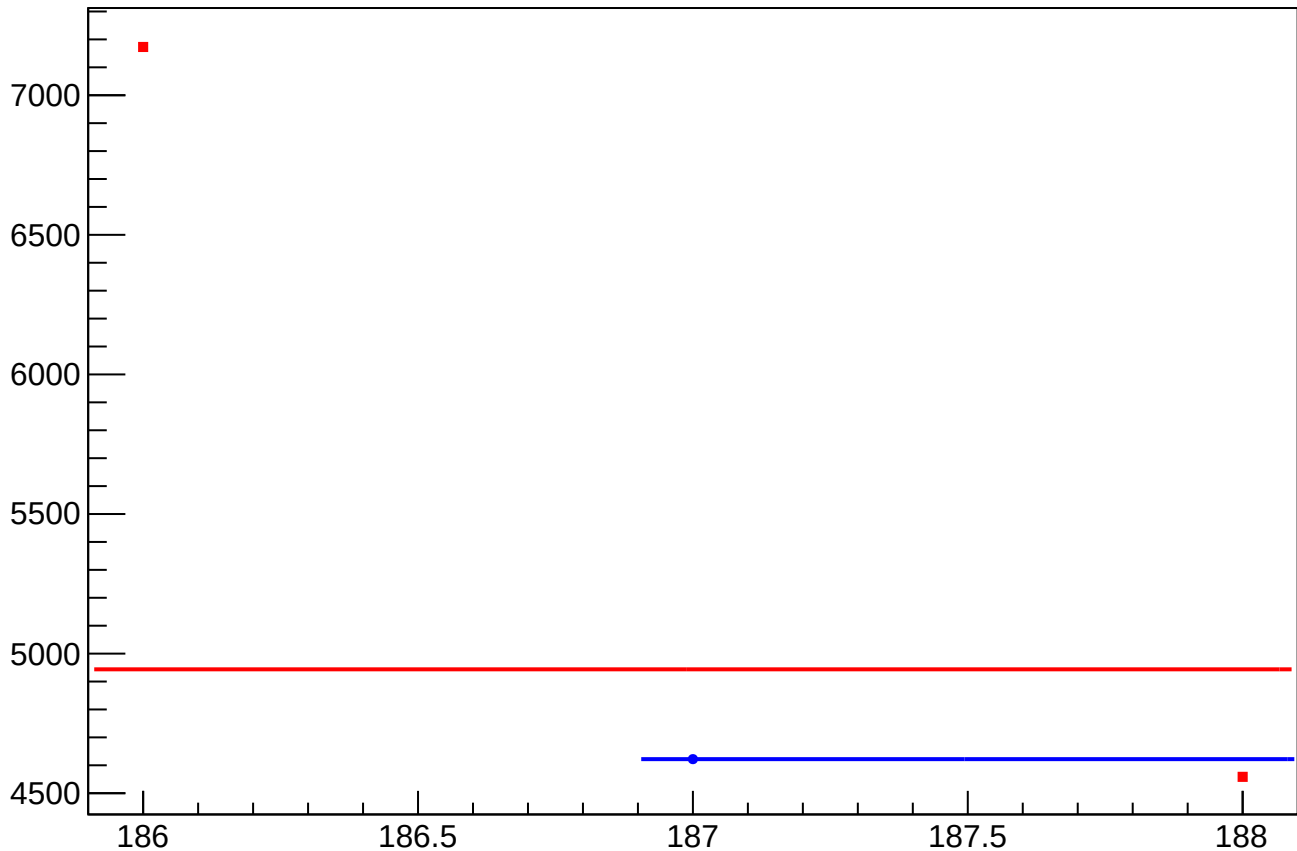
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: -9803.927 $\pm$ 4185.718 χ^2/NDF : 3.4/2

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 4622.046 $\pm$ 8.408 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 4943.726 $\pm$ 3.162 χ^2 /NDF: 85849.6/1

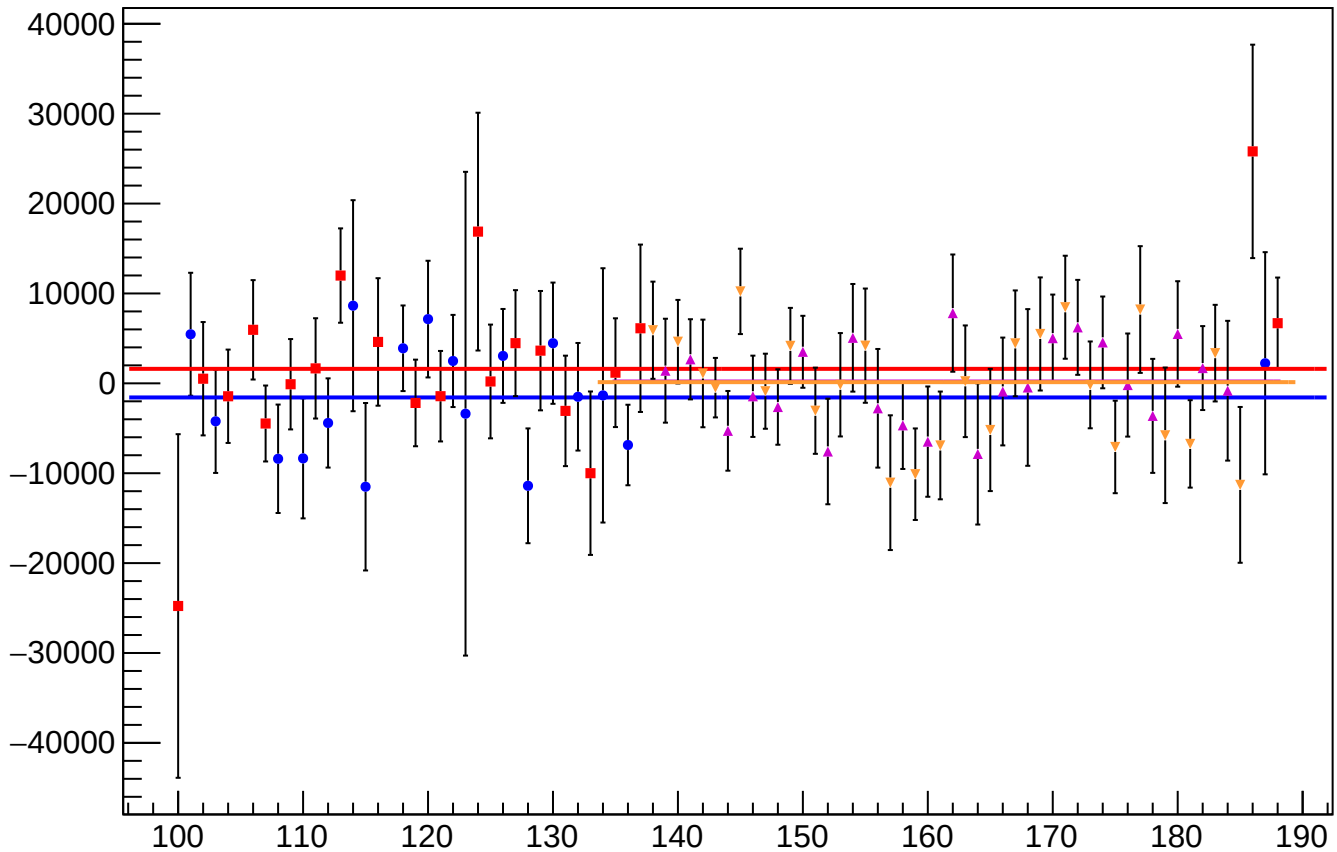
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 4903.865 $\pm$ 2.960 χ^2 /NDF: 87132.0/2

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1569.608 ± 1506.362 $\chi^2/\text{NDF}: 15.0/17$

Left Out: 132.142 ± 1065.543 $\chi^2/\text{NDF}: 28.1/24$

Right Out: 1611.988 ± 1325.019 $\chi^2/\text{NDF}: 19.5/20$

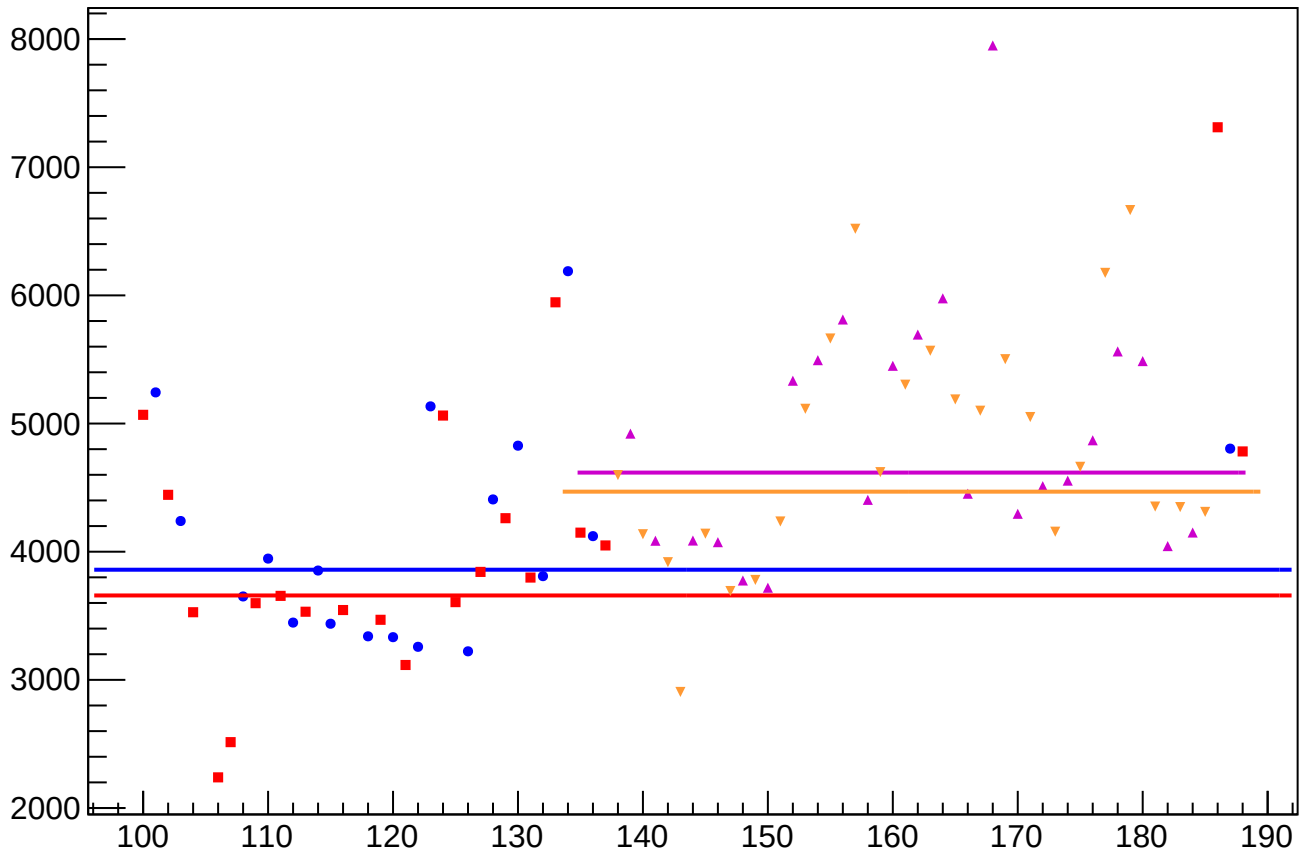
Left In: 200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

+ sign -435.380 ± 869.908 $\chi^2/\text{NDF}: 44.0/42$

All: 186.865 ± 610.474 $\chi^2/\text{NDF}: 79.8/86$

- sign 790.671 ± 856.921 $\chi^2/\text{NDF}: 34.9/43$

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3859.434+/-1.065 χ^2/NDF : 338809.9/17

Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24

Right Out: 3658.551+/-0.929 χ^2/NDF : 861766.0/20

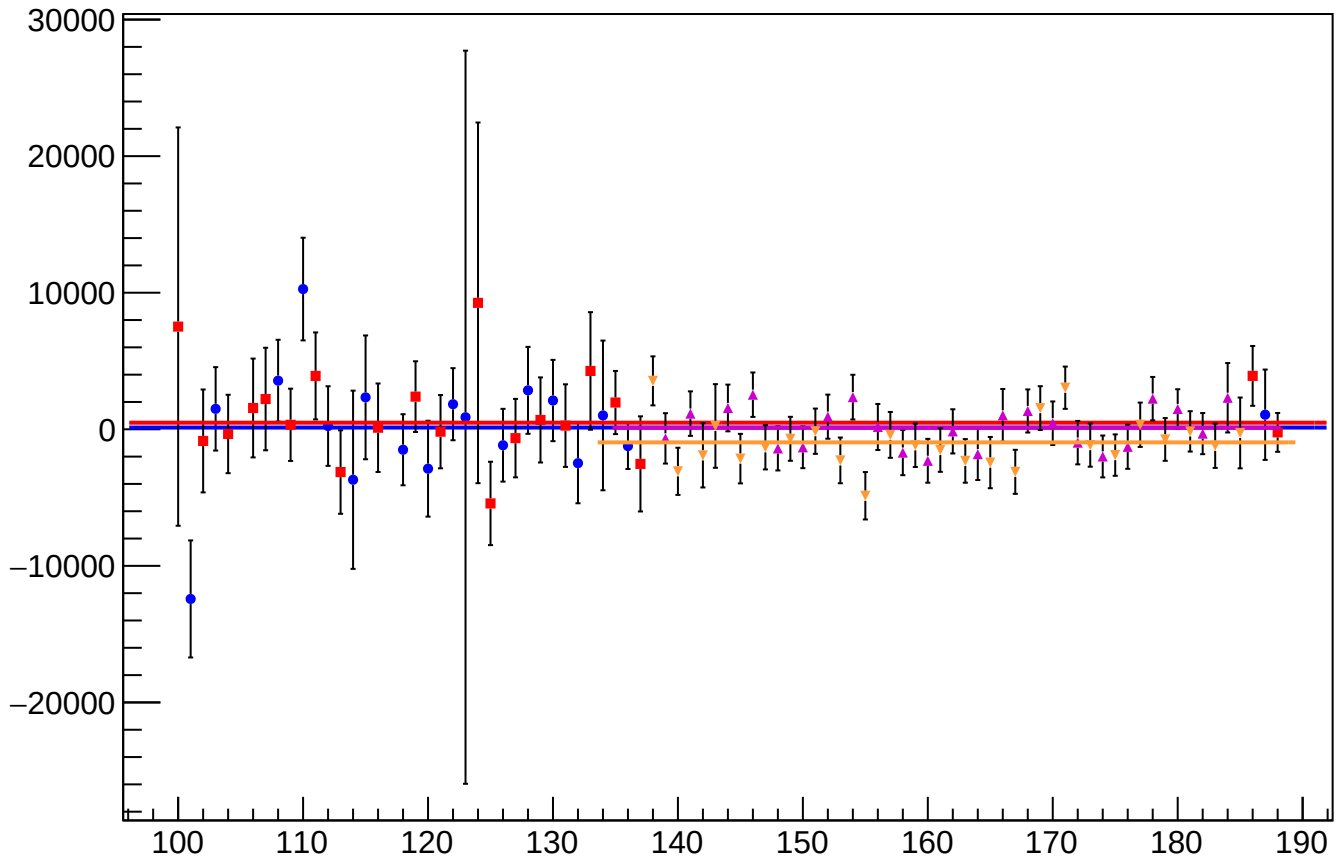
Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

+ sign 4265.386+/-0.615 χ^2/NDF : 1937356.4/42

All: 4238.379+/-0.431 χ^2/NDF : 4417646.8/86

- sign 4212.356+/-0.604 χ^2/NDF : 2476505.1/43

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 126.876 $\pm$ 734.072 χ^2 /NDF: 22.5/17

Left Out: -958.410 $\pm$ 339.496 χ^2 /NDF: 28.5/24

Right Out: 484.040 $\pm$ 626.343 χ^2 /NDF: 12.9/20

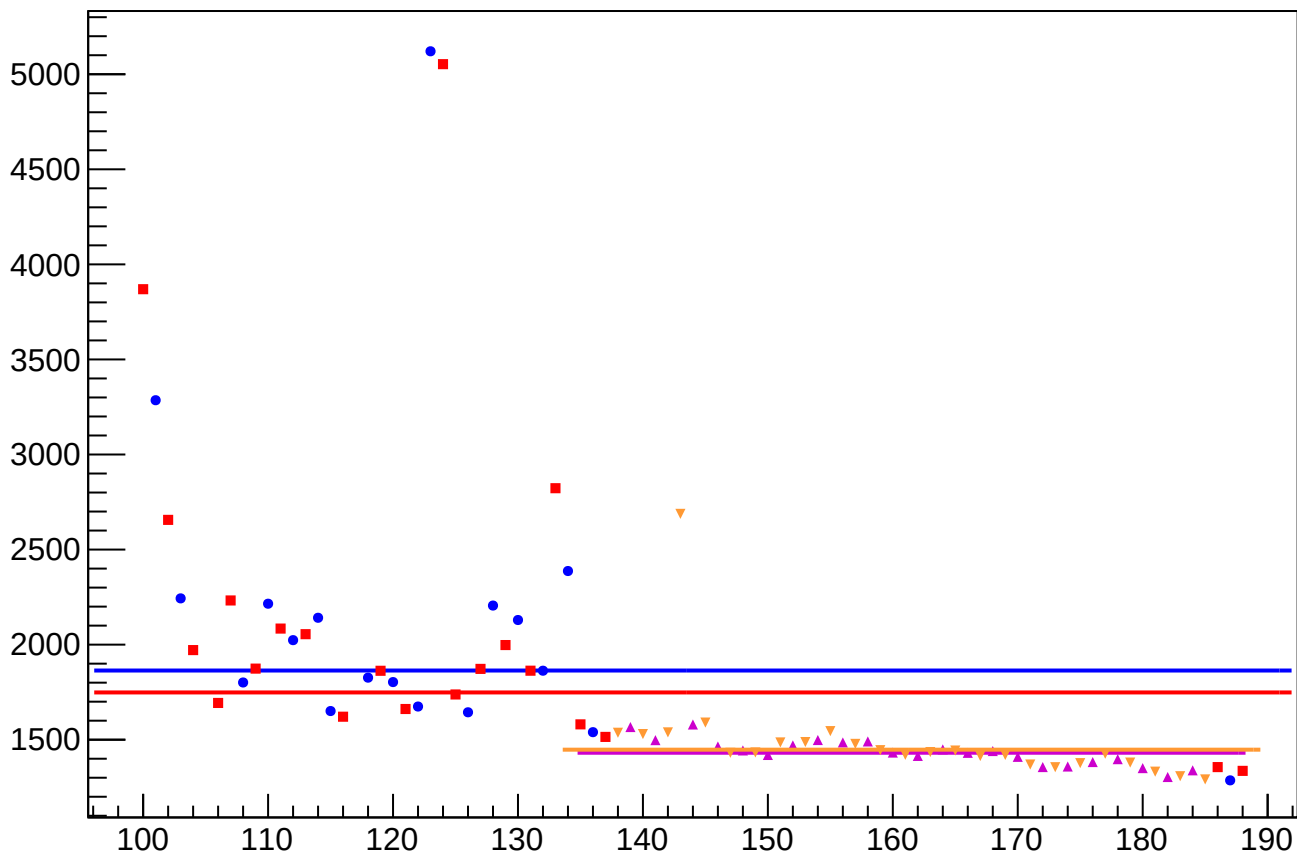
Left In: 107.512 $\pm$ 343.663 χ^2 /NDF: 19.5/22

+ sign -767.180 $\pm$ 308.138 χ^2 /NDF: 52.8/42

All: -275.465 $\pm$ 215.425 χ^2 /NDF: 90.4/86

- sign 194.637 $\pm$ 301.290 χ^2 /NDF: 32.6/43

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1863.875+/-0.519 χ^2/NDF : 530601.7/17

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1748.569+/-0.443 χ^2/NDF : 781436.5/20

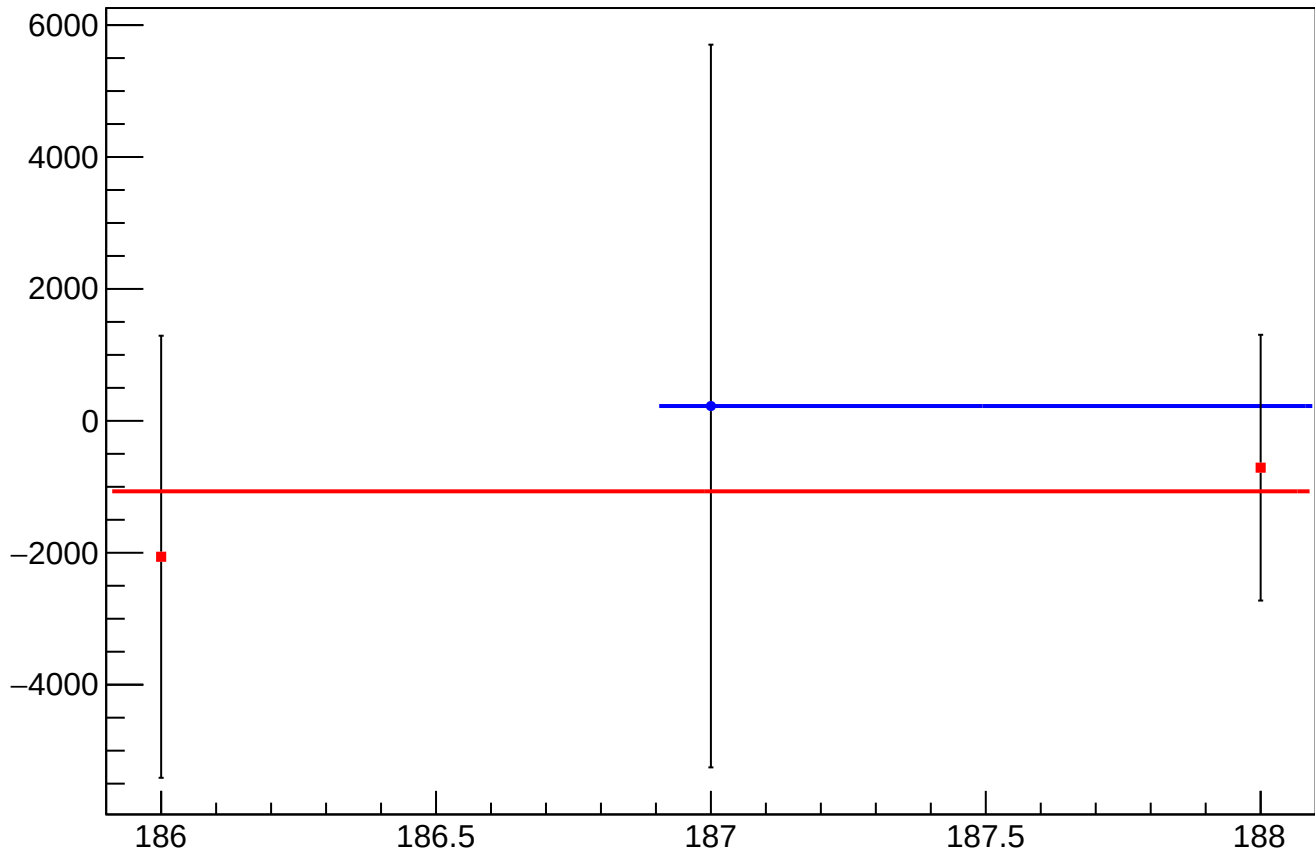
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1520.912+/-0.218 χ^2/NDF : 1479803.1/42

All: 1512.692+/-0.152 χ^2/NDF : 2733201.8/86

- sign 1504.834+/-0.213 χ^2/NDF : 1250614.9/43

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 224.778 $\pm$ 5478.287 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: -1068.359 $\pm$ 1726.527 χ^2 /NDF: 0.1/1

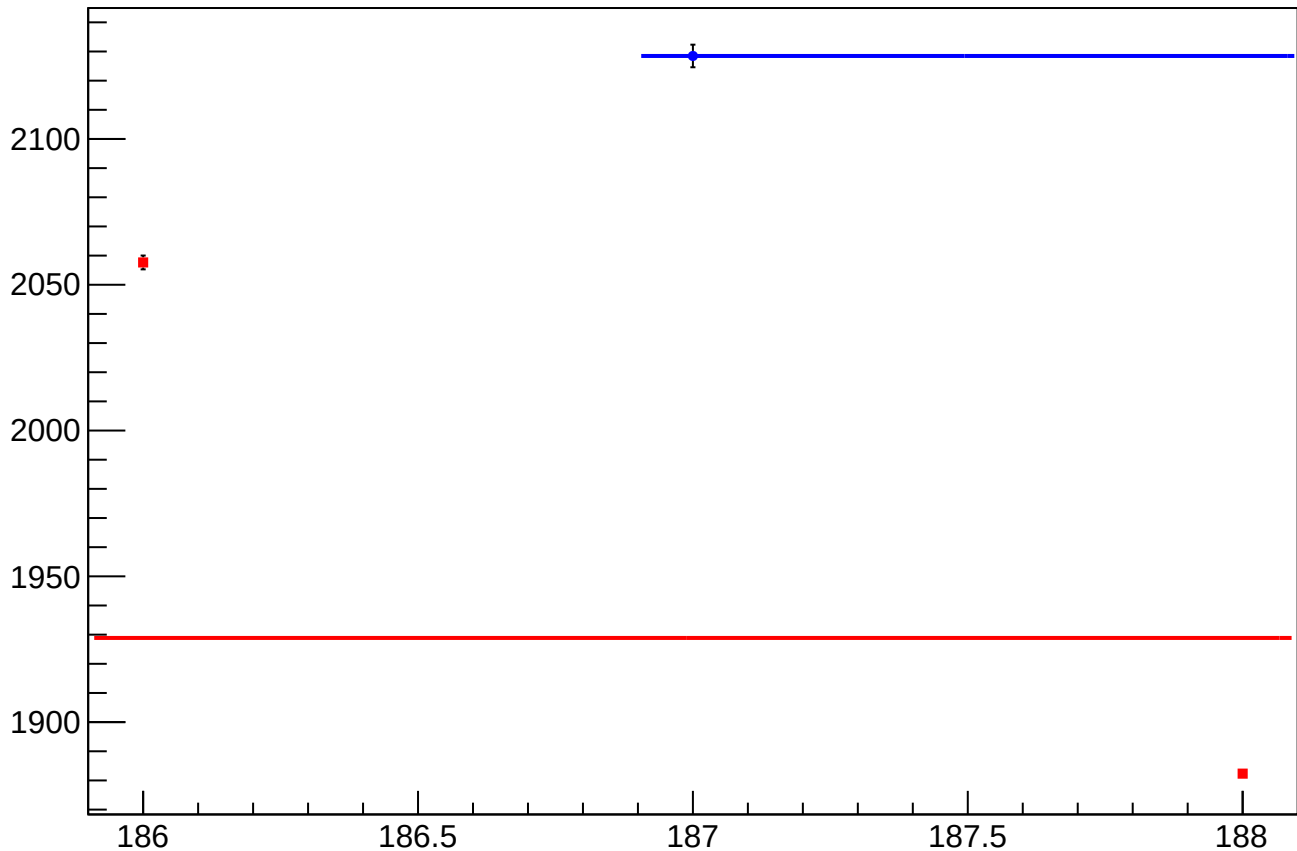
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -951.523 $\pm$ 1646.684 χ^2 /NDF: 0.2/2

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 2128.467 $\pm$ 3.874 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1928.871 $\pm$ 1.221 χ^2 /NDF: 4021.3/1

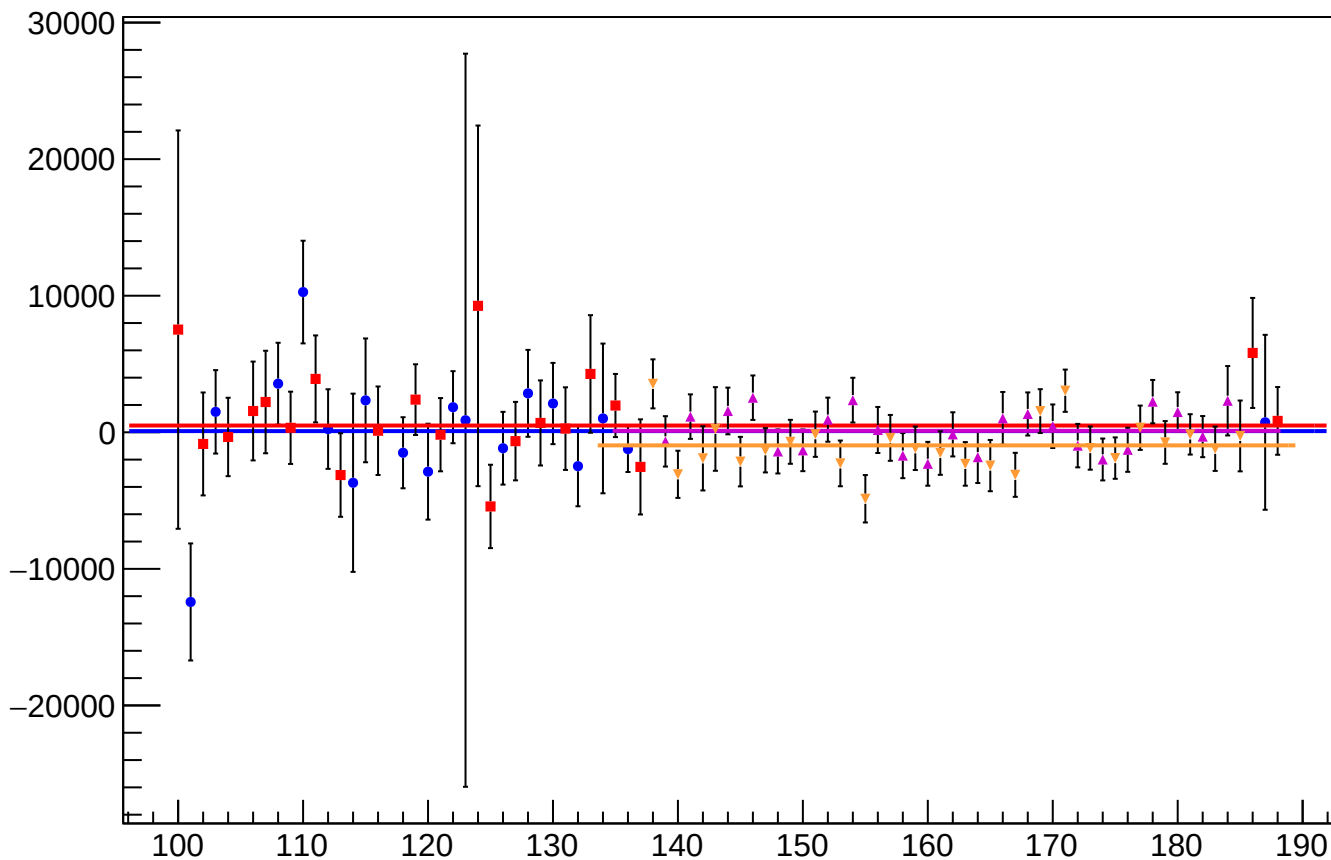
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1946.905 $\pm$ 1.164 χ^2 /NDF: 6436.3/2

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 87.117 $\pm$ 747.695 χ^2 /NDF: 22.4/17

Left Out: -958.410 $\pm$ 339.496 χ^2 /NDF: 28.5/24

Right Out: 494.967 $\pm$ 695.058 χ^2 /NDF: 12.0/20

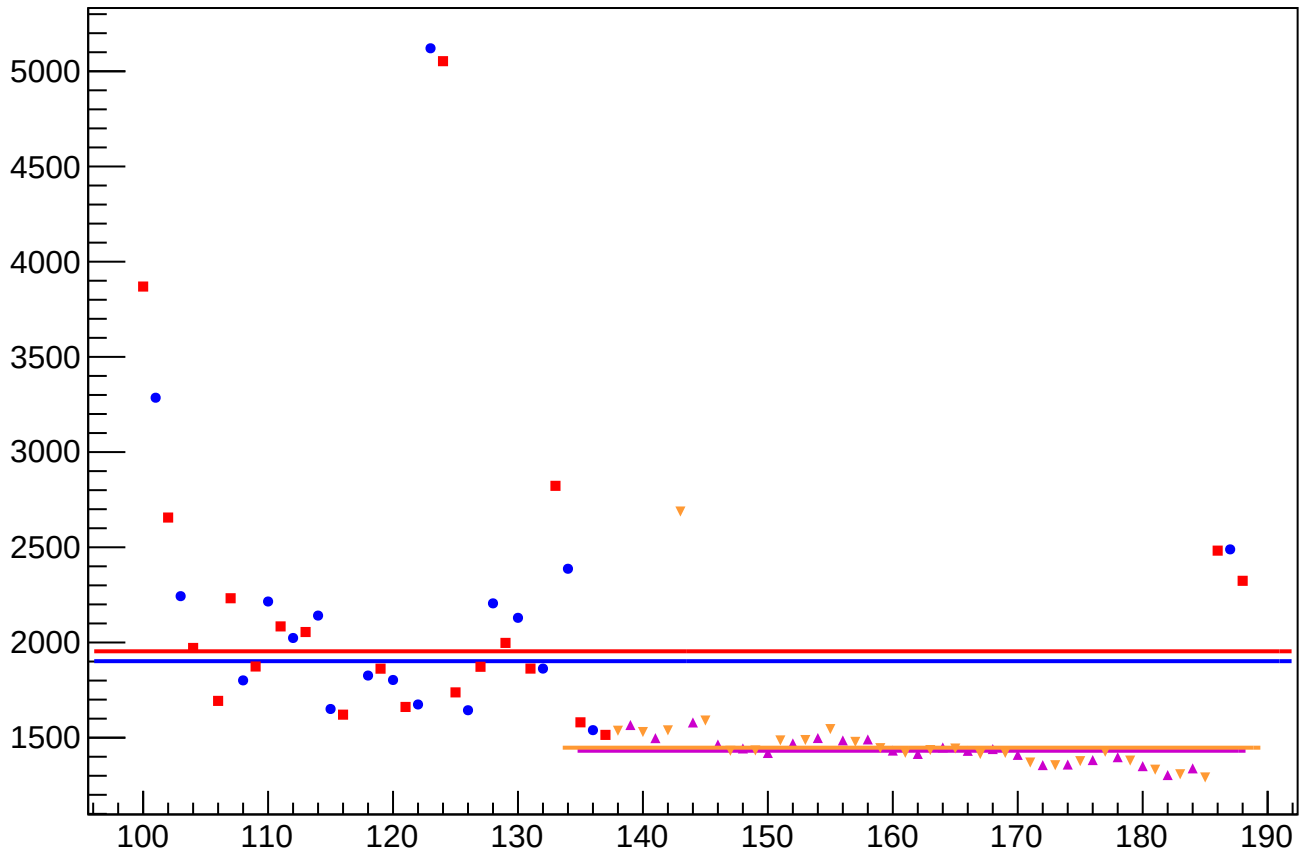
Left In: 107.512 $\pm$ 343.663 χ^2 /NDF: 19.5/22

+ sign -779.700 $\pm$ 309.123 χ^2 /NDF: 52.5/42

All: -296.384 $\pm$ 218.207 χ^2 /NDF: 89.1/86

- sign 183.625 $\pm$ 308.064 χ^2 /NDF: 31.7/43

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1901.912+/-0.529 χ^2/NDF : 483493.0/17

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1953.728+/-0.491 χ^2/NDF : 548554.7/20

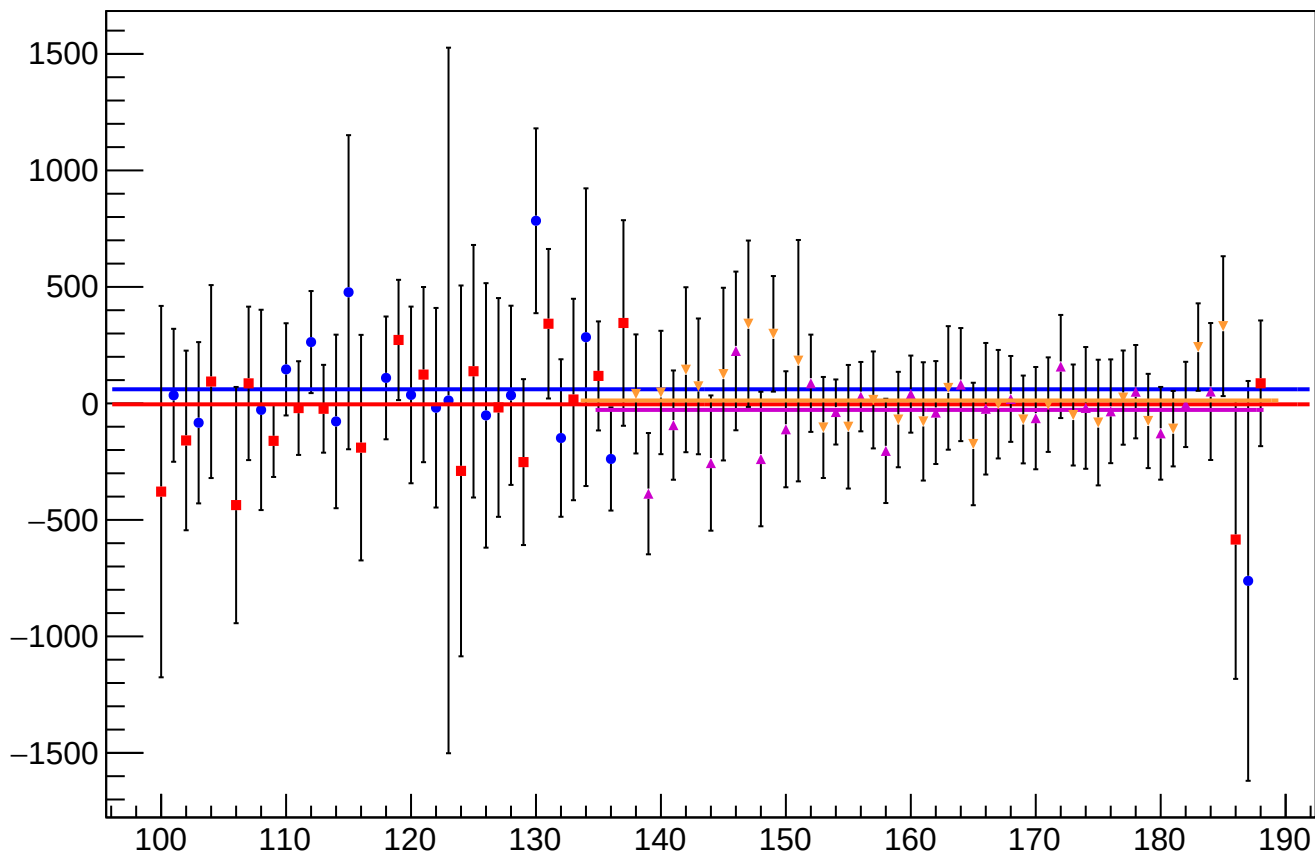
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1525.218+/-0.219 χ^2/NDF : 1515059.1/42

All: 1529.651+/-0.154 χ^2/NDF : 3046981.3/80

- sign 1534.055+/-0.218 χ^2/NDF : 1531102.0/43

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 60.627 $\pm$ 79.494 χ^2 /NDF: 8.5/17

Left Out: 12.618 $\pm$ 47.486 χ^2 /NDF: 7.7/24

Right Out: -3.932 $\pm$ 67.343 χ^2 /NDF: 7.5/20

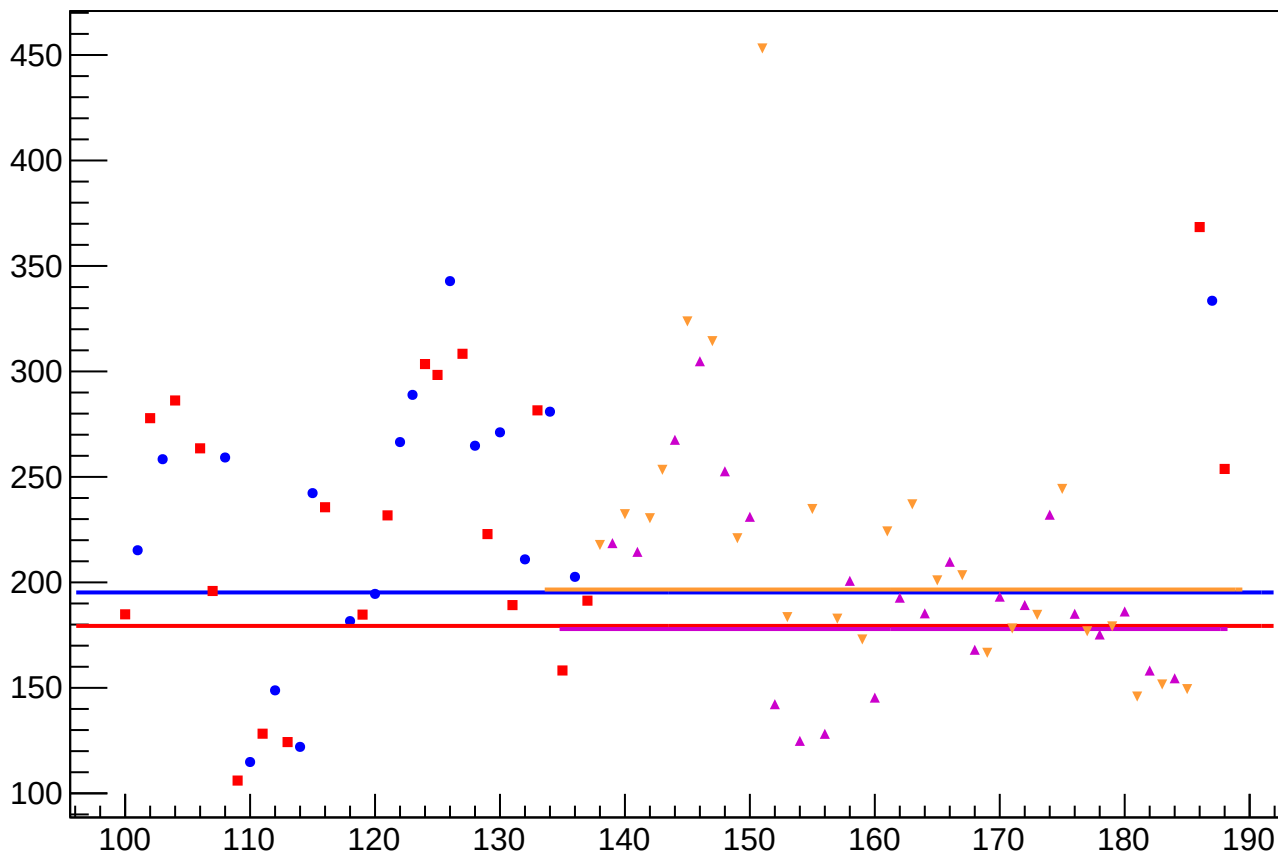
Left In: -27.921 $\pm$ 44.523 χ^2 /NDF: 6.5/22

+ sign 25.244 $\pm$ 40.766 χ^2 /NDF: 16.4/42

All: 0.179 $\pm$ 27.455 χ^2 /NDF: 31.2/86

- sign -20.624 $\pm$ 37.140 χ^2 /NDF: 14.1/43

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.229 $\pm$ 0.056 χ^2 /NDF: 1064335.2/17

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF: 1793507.9/24

Right Out: 179.366 $\pm$ 0.048 χ^2 /NDF: 1947230.5/20

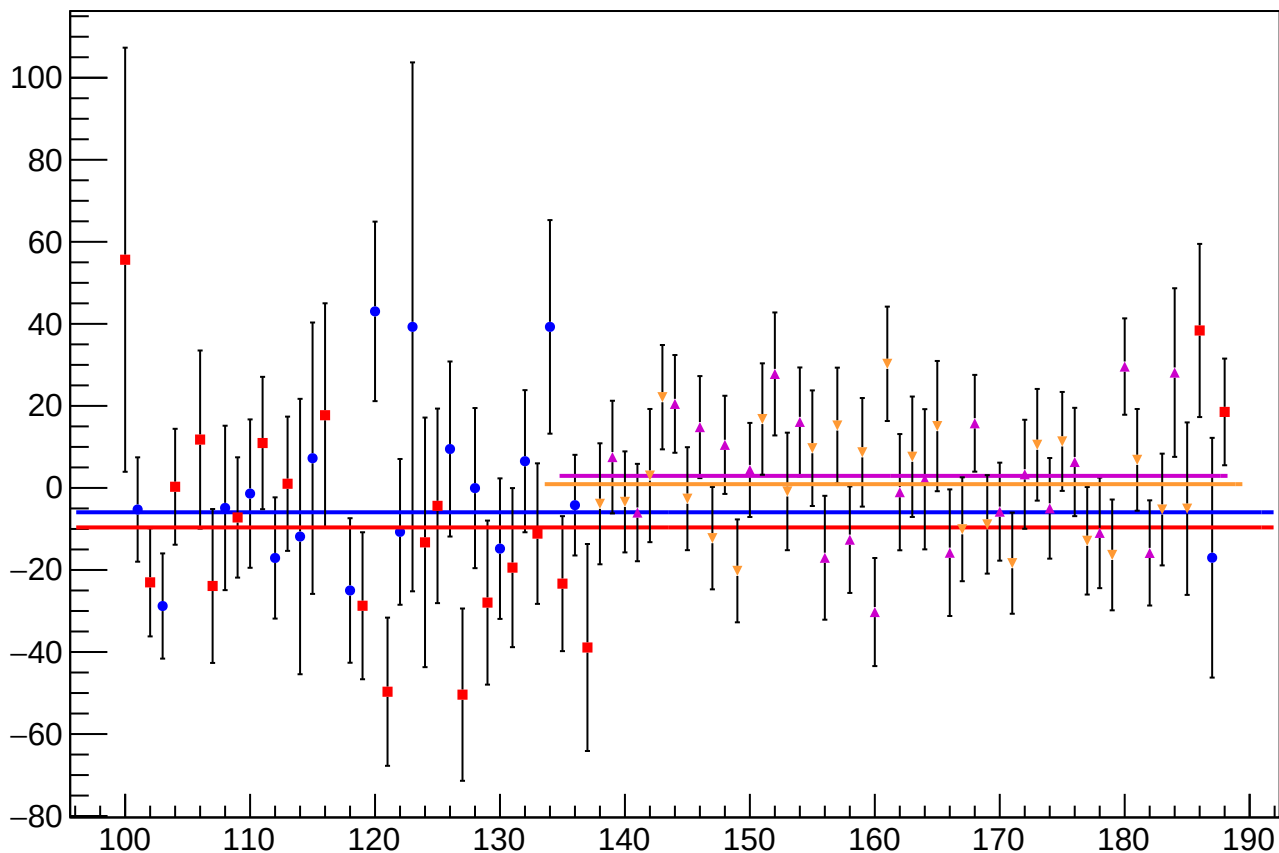
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF: 1644086.7/22

+ sign 196.254 $\pm$ 0.029 χ^2 /NDF: 2858294.0/42

All: 186.460 $\pm$ 0.019 χ^2 /NDF: 6661556.2/86

- sign 178.330 $\pm$ 0.026 χ^2 /NDF: 3591996.6/43

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.934 $\pm$ 4.313 χ^2/NDF : 15.3/17

Left Out: 0.920 $\pm$ 2.696 χ^2/NDF :24.0/24

Right Out: -9.626 $\pm$ 3.985 χ^2/NDF : 30.6/20

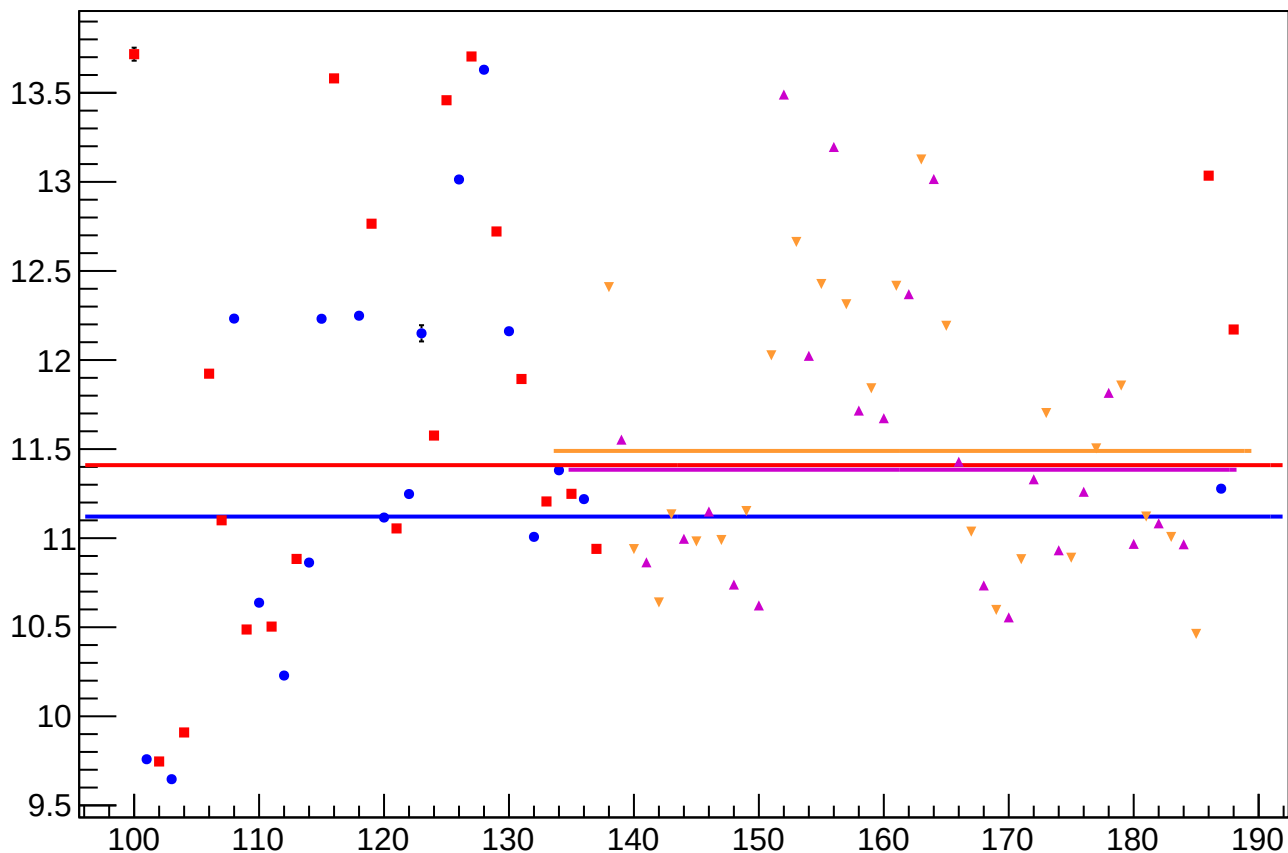
Left In: 2.941 $\pm$ 2.745 χ^2/NDF :31.0/22

+ sign -1.006 $\pm$ 2.286 χ^2/NDF : 41.1/42

All: -1.055 $\pm$ 1.607 χ^2/NDF : 109.6/86

- sign -1.102 $\pm$ 2.260 χ^2/NDF : 68.4/43

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.121 $\pm$ 0.003 χ^2/NDF : 132009.8/17

Left Out: 11.490 $\pm$ 0.002 χ^2/NDF : 132399.1/24

Right Out: 11.410 $\pm$ 0.003 χ^2/NDF : 169837.0/20

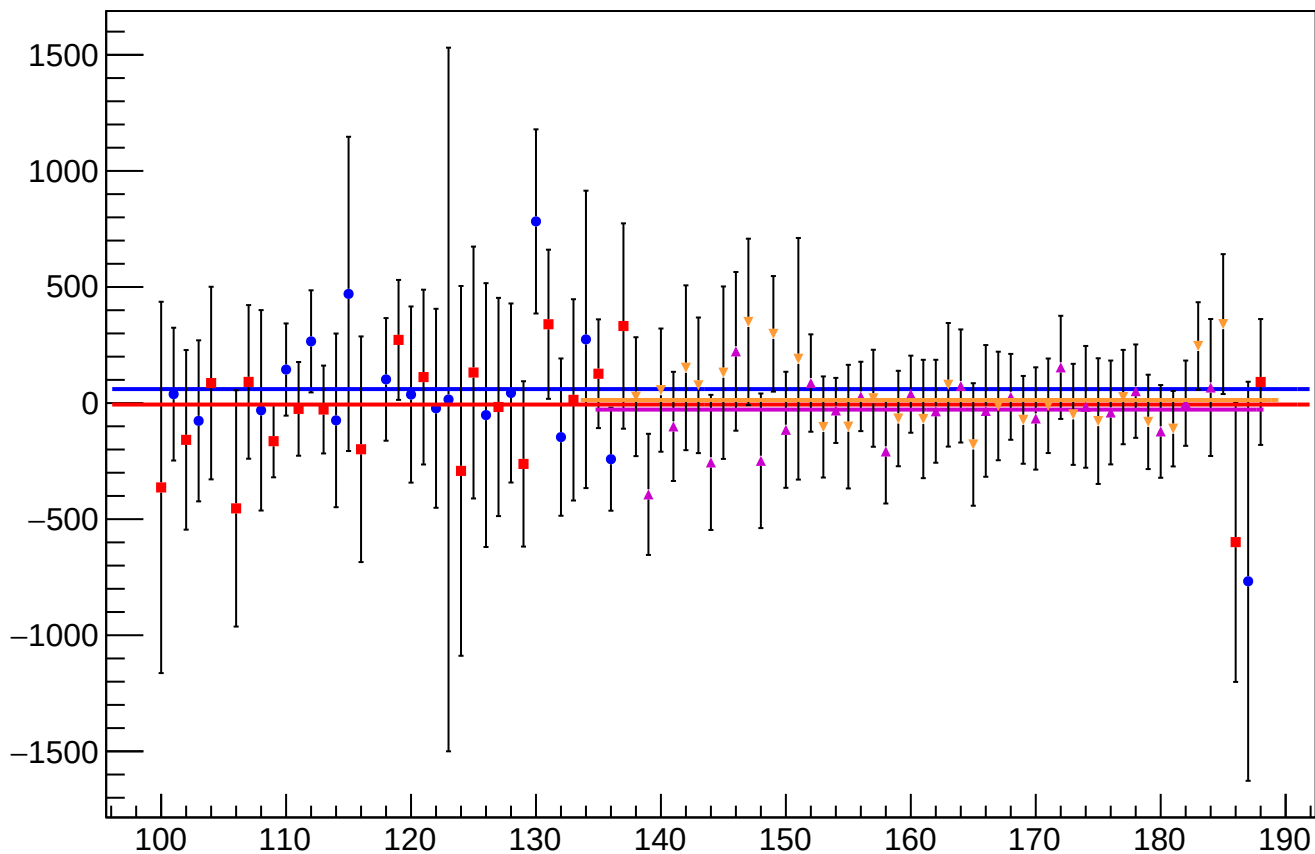
Left In: 11.384 $\pm$ 0.002 χ^2/NDF : 149799.6/22

+ sign 11.386 $\pm$ 0.002 χ^2/NDF : 274908.2/42

All: 11.389 $\pm$ 0.001 χ^2/NDF : 594608.9/86

- sign 11.392 $\pm$ 0.002 χ^2/NDF : 319693.4/43

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 60.279 $\pm$ 79.703 χ^2 /NDF: 8.4/17

Left Out: 13.323 $\pm$ 47.662 χ^2 /NDF: 7.9/24

Right Out: -6.258 $\pm$ 67.551 χ^2 /NDF: 7.6/20

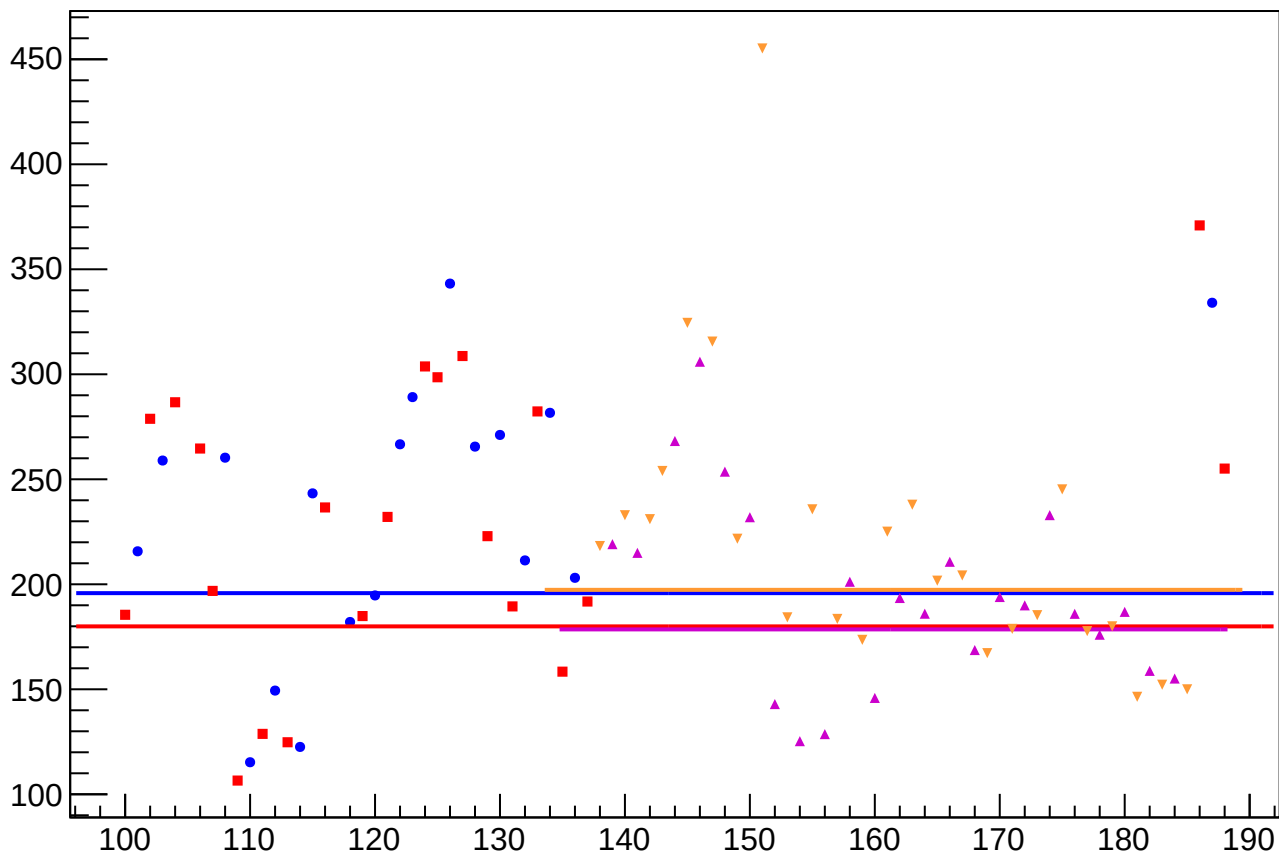
Left In: -28.050 $\pm$ 44.681 χ^2 /NDF: 6.6/22

+ sign 25.691 $\pm$ 40.906 χ^2 /NDF: 16.6/42

All: -0.051 $\pm$ 27.548 χ^2 /NDF: 31.6/86

- sign -21.417 $\pm$ 37.267 χ^2 /NDF: 14.3/43

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 195.782 $\pm$ 0.056 χ^2/NDF : 1059206.5/17

Left Out: 197.355 $\pm$ 0.034 χ^2/NDF : 1790824.5/24

Right Out: 179.952 $\pm$ 0.048 χ^2/NDF : 1942757.7/20

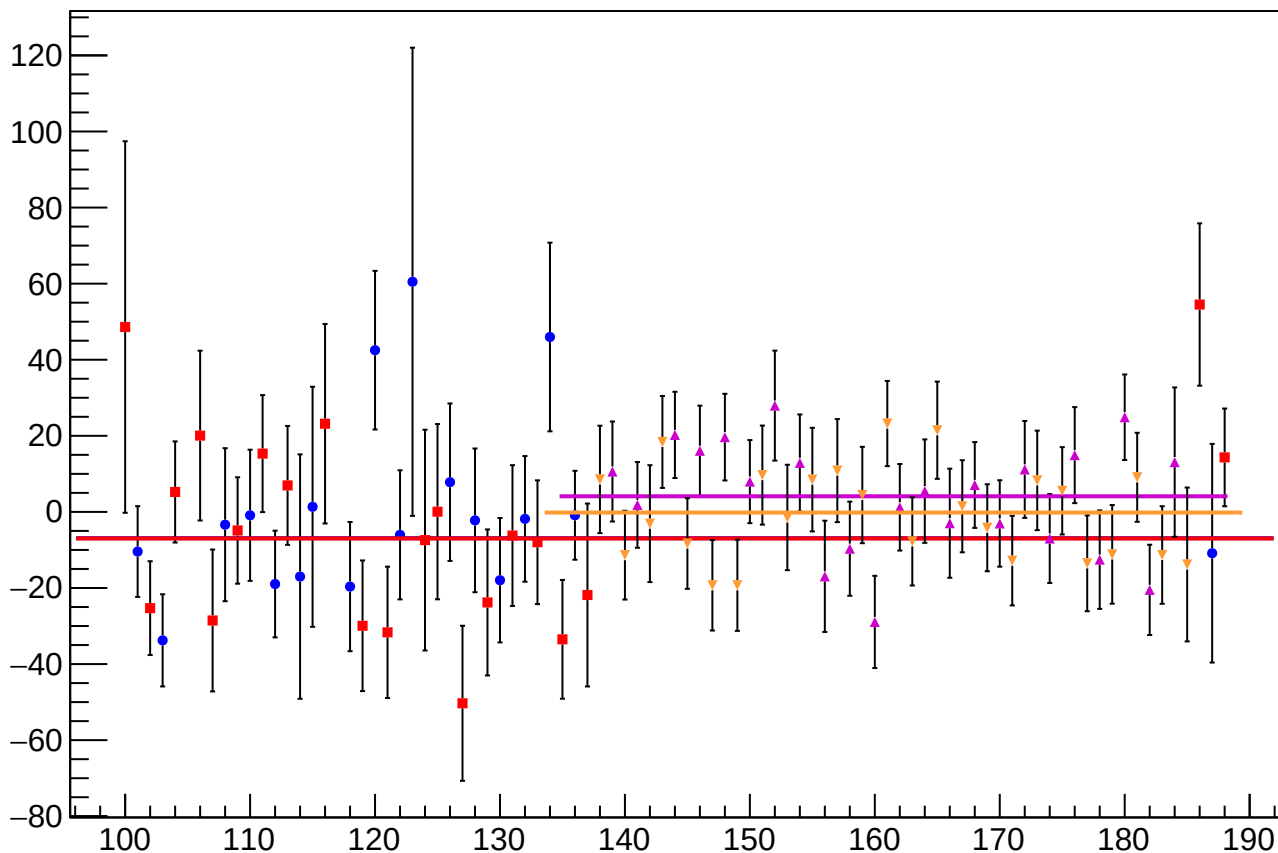
Left In: 178.512 $\pm$ 0.032 χ^2/NDF : 1642304.1/22

+ sign 196.941 $\pm$ 0.029 χ^2/NDF : 2850605.0/42

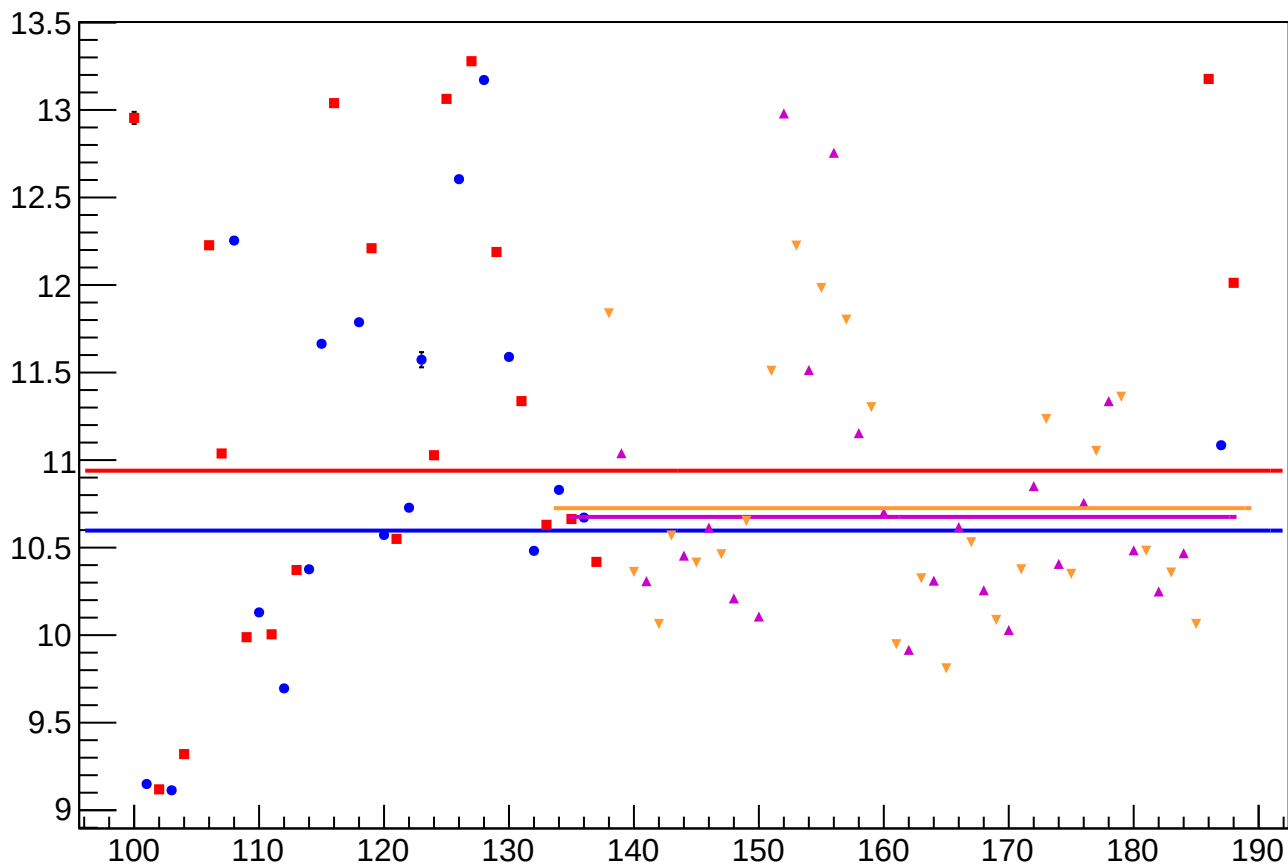
All: 187.110 $\pm$ 0.019 χ^2/NDF : 6647694.1/86

- sign 178.950 $\pm$ 0.026 χ^2/NDF : 3585694.1/43

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.597 ± 0.003 χ^2/NDF : 159810.6/17

Left Out: 10.725 ± 0.002 χ^2/NDF : 132170.8/24

Right Out: 10.939 ± 0.003 χ^2/NDF : 218479.4/20

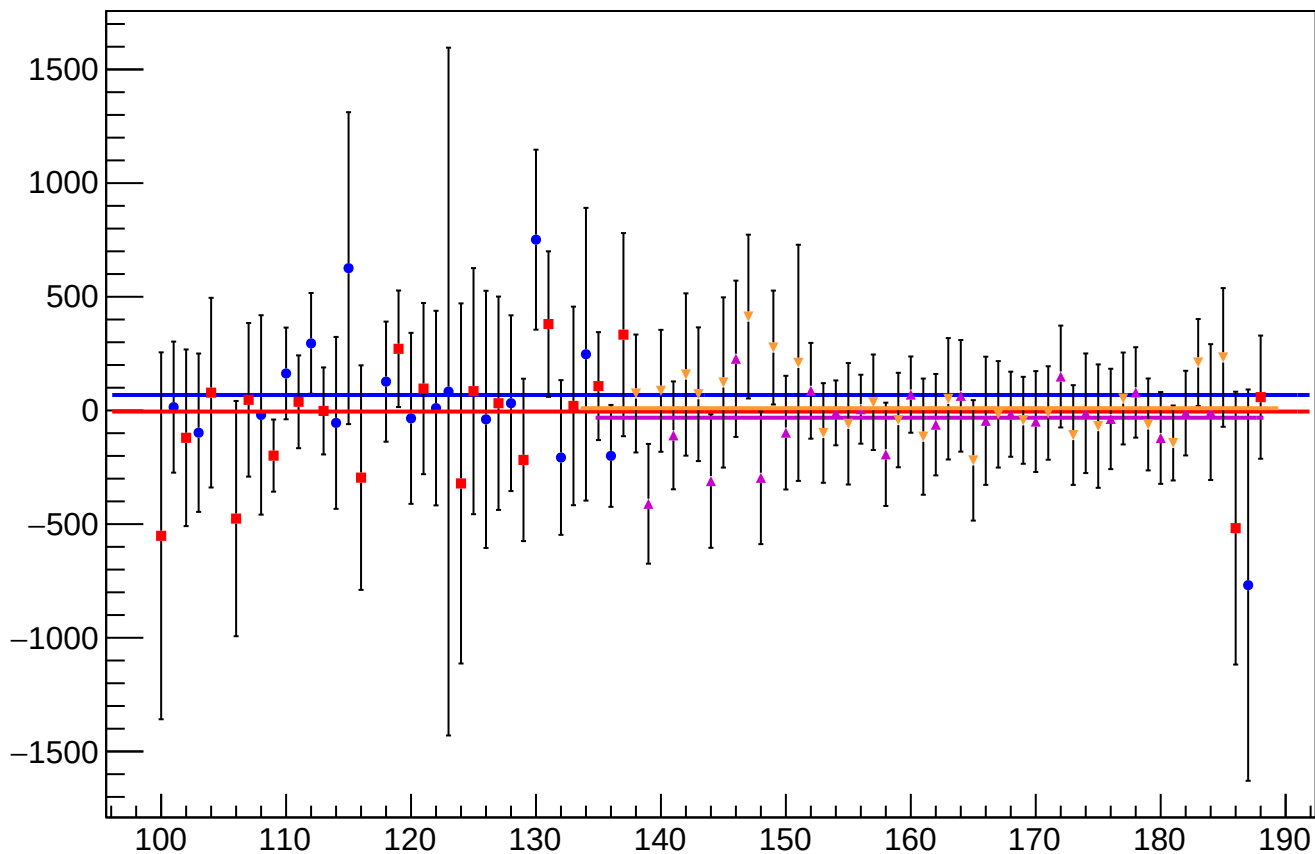
Left In: 10.675 ± 0.002 χ^2/NDF : 145938.2/22

+ sign 10.691 ± 0.002 χ^2/NDF : 293390.9/42

All: 10.724 ± 0.001 χ^2/NDF : 665327.6/86

- sign 10.758 ± 0.002 χ^2/NDF : 370955.7/43

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 68.037 $\pm$ 80.232 χ^2 /NDF: 8.6/17

Left Out: 9.801 $\pm$ 47.979 χ^2 /NDF: 7.5/24

Right Out: -4.864 $\pm$ 68.143 χ^2 /NDF: 8.1/20

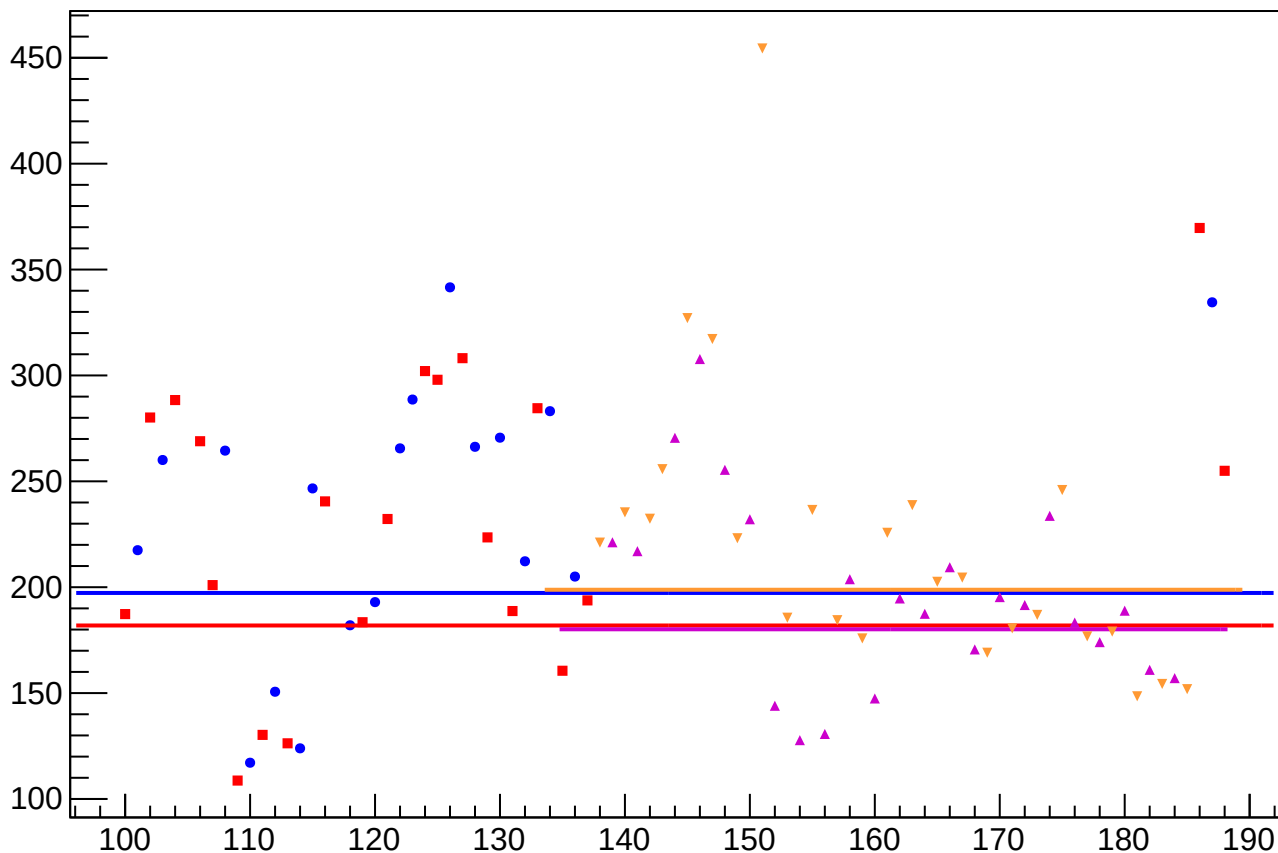
Left In: -31.989 $\pm$ 45.038 χ^2 /NDF: 7.2/22

+ sign 25.141 $\pm$ 41.178 χ^2 /NDF: 16.5/42

All: -1.533 $\pm$ 27.755 χ^2 /NDF: 32.7/86

- sign -23.742 $\pm$ 37.573 χ^2 /NDF: 15.4/43

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 197.288 $\pm$ 0.057 χ^2 /NDF: 1032436.5/17

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF: 1763119.1/24

Right Out: 181.922 $\pm$ 0.048 χ^2 /NDF: 1888026.7/20

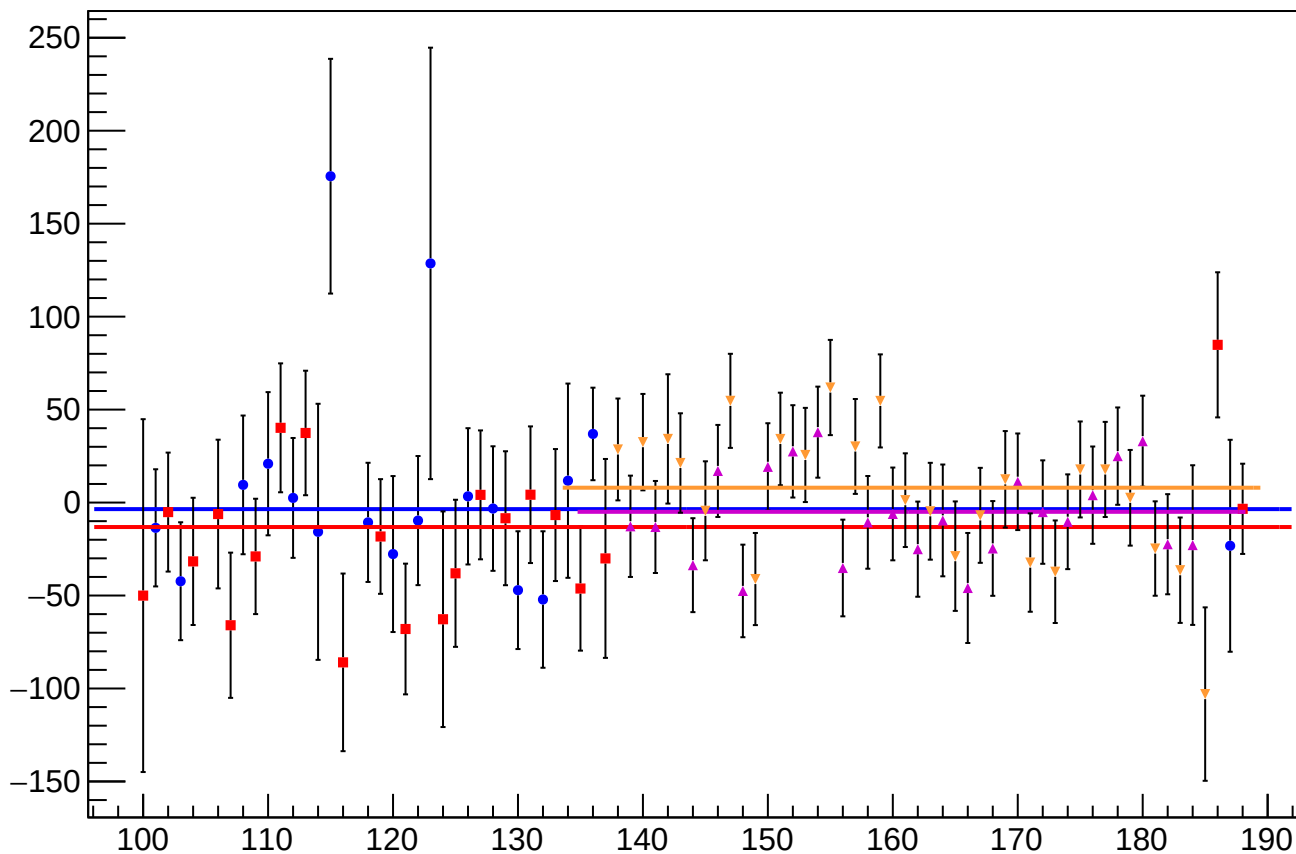
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF: 1593842.6/22

+ sign 198.402 $\pm$ 0.029 χ^2 /NDF: 2796078.6/42

All: 188.726 $\pm$ 0.020 χ^2 /NDF: 6481292.1/86

- sign 180.670 $\pm$ 0.027 χ^2 /NDF: 3482839.6/43

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.524 $\pm$ 8.794 χ^2/NDF : 18.5/17

Left Out: 7.990 $\pm$ 5.327 χ^2/NDF : 37.4/24

Right Out: -13.160 $\pm$ 7.916 χ^2/NDF : 21.3/20

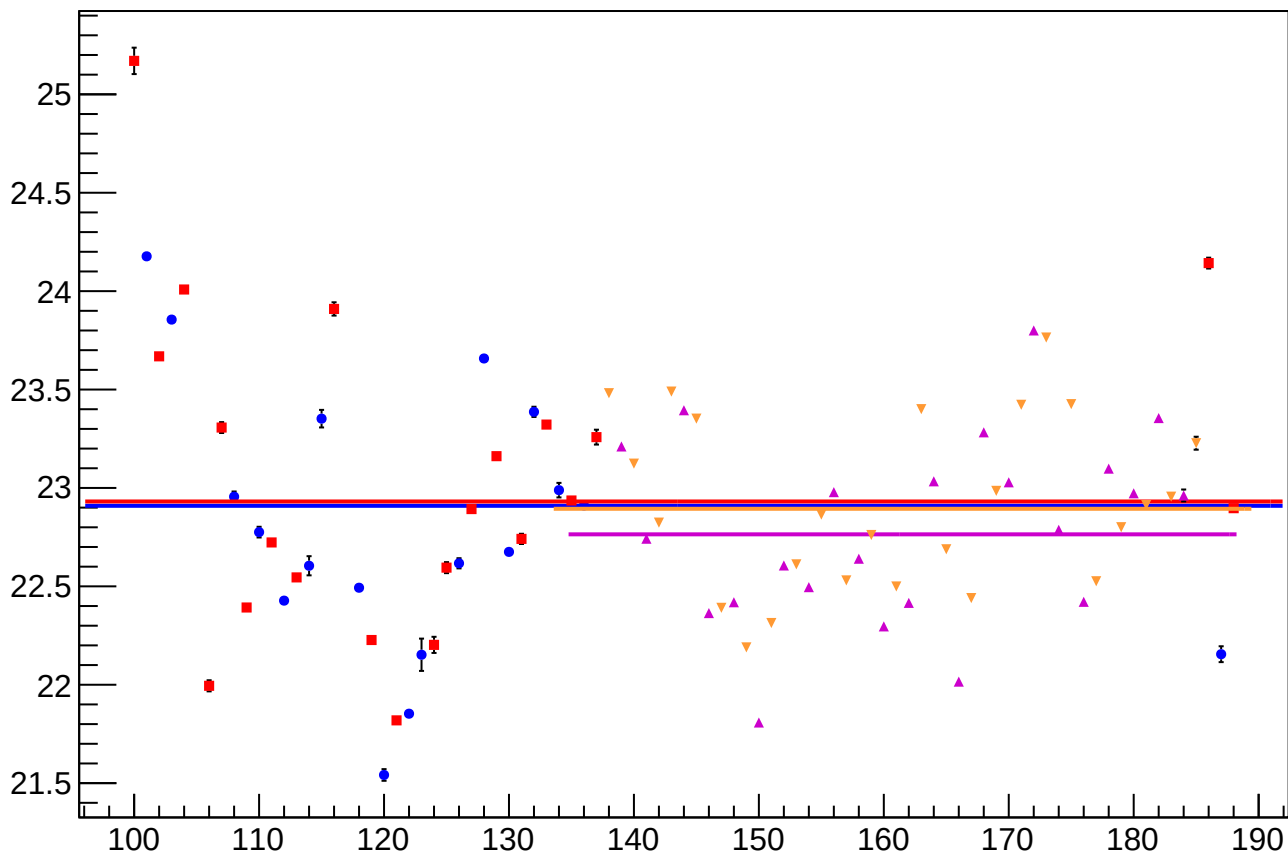
Left In: -4.973 $\pm$ 5.444 χ^2/NDF : 20.5/22

+ sign 4.899 $\pm$ 4.556 χ^2/NDF : 57.2/42

All: -1.449 $\pm$ 3.197 χ^2/NDF : 103.4/86

- sign -7.602 $\pm$ 4.486 χ^2/NDF : 42.4/43

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.909 $\pm$ 0.006 χ^2 /NDF: 11959.4/17

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.931 $\pm$ 0.006 χ^2 /NDF: 13109.2/20

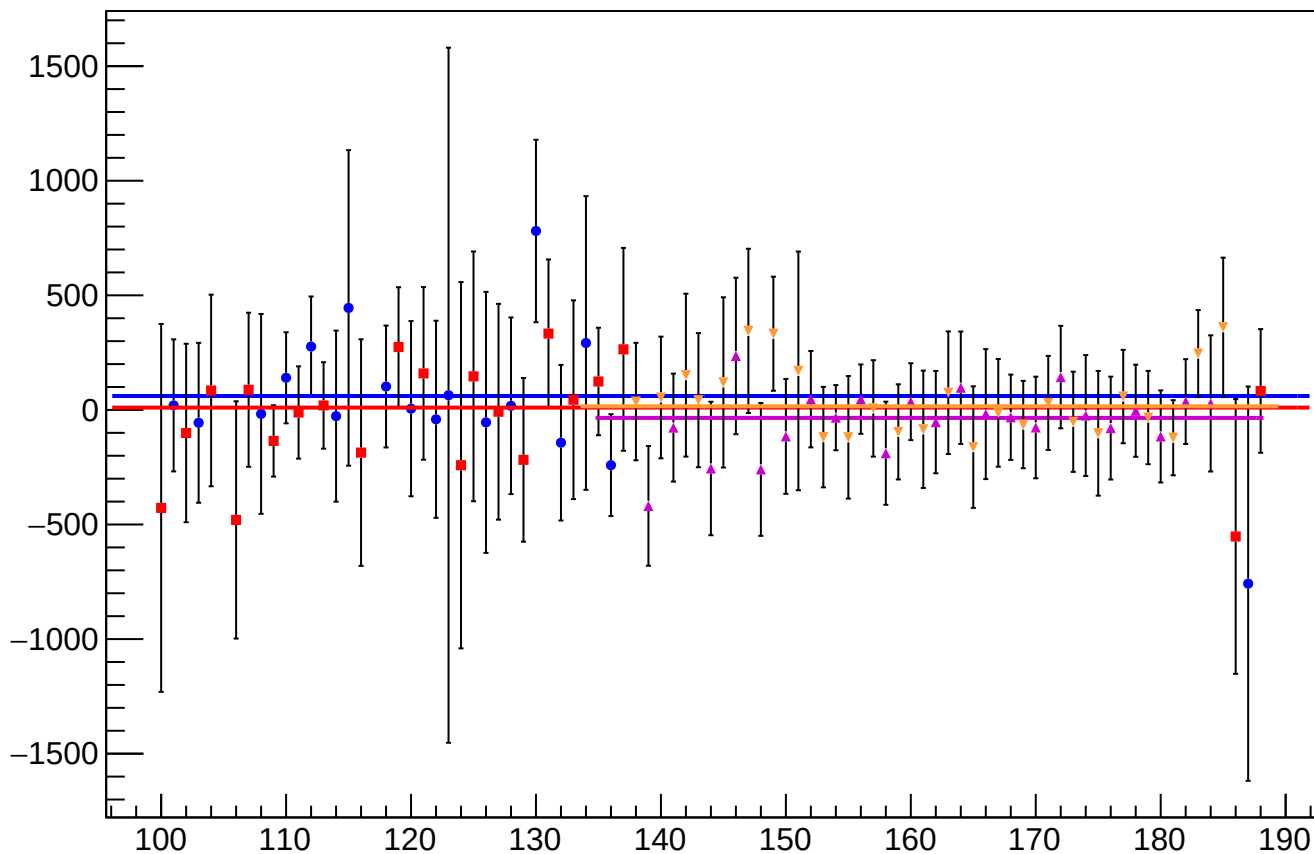
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.898 $\pm$ 0.003 χ^2 /NDF: 25034.2/42

All: 22.857 $\pm$ 0.002 χ^2 /NDF: 53728.6/86

- sign 22.818 $\pm$ 0.003 χ^2 /NDF: 28379.1/43

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 60.657 $\pm$ 79.882 χ^2 /NDF: 8.3/17

Left Out: 15.904 $\pm$ 47.898 χ^2 /NDF: 8.4/24

Right Out: 10.197 $\pm$ 67.681 χ^2 /NDF: 6.7/20

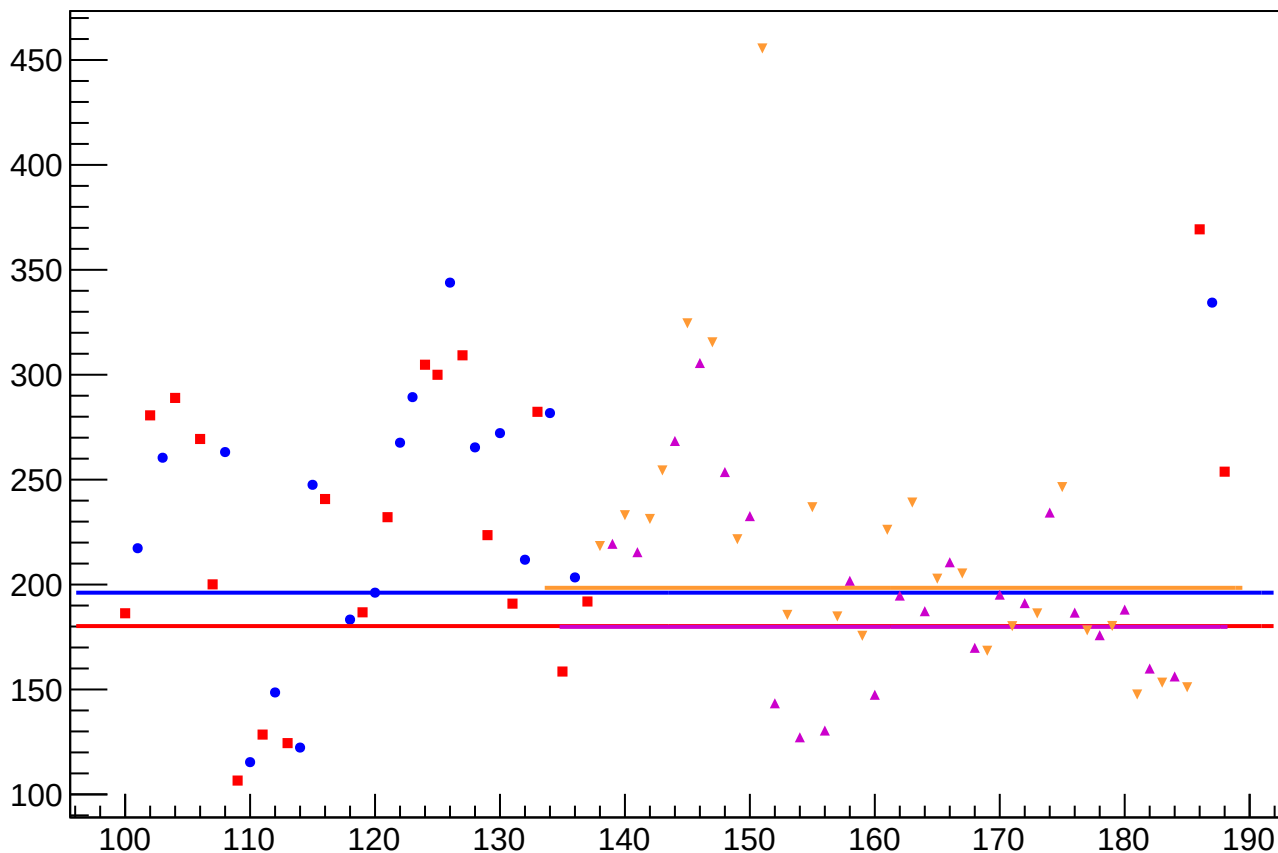
Left In: -34.919 $\pm$ 44.971 χ^2 /NDF: 6.6/22

+ sign 27.739 $\pm$ 41.079 χ^2 /NDF: 17.0/42

All: 1.071 $\pm$ 27.678 χ^2 /NDF: 31.3/86

- sign -21.101 $\pm$ 37.456 χ^2 /NDF: 13.6/43

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 196.129 $\pm$ 0.056 χ^2 /NDF: 1073989.7/17

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF:1761433.9/24

Right Out: 180.214 $\pm$ 0.048 χ^2 /NDF: 1962730.5/20

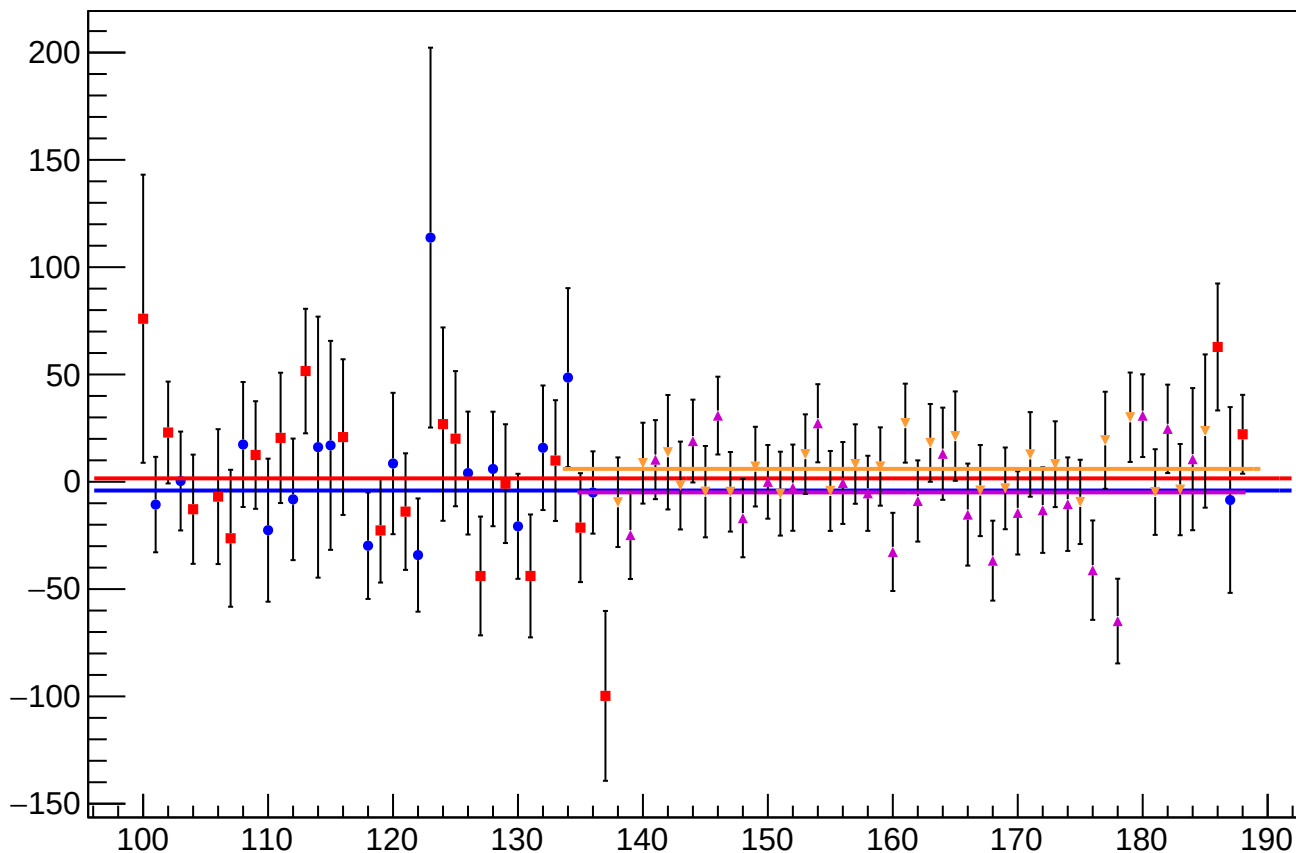
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF:1588834.3/22

+ sign 197.836 $\pm$ 0.029 χ^2 /NDF: 2836665.4/42

All: 188.072 $\pm$ 0.020 χ^2 /NDF: 6595213.6/86

- sign 179.954 $\pm$ 0.026 χ^2 /NDF: 3551607.3/43

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.072 $\pm$ 6.844 χ^2/NDF : 8.4/17

Left Out: 6.020 $\pm$ 4.017 χ^2/NDF : 8.1/24

Right Out: 1.589 $\pm$ 6.189 χ^2/NDF : 27.2/20

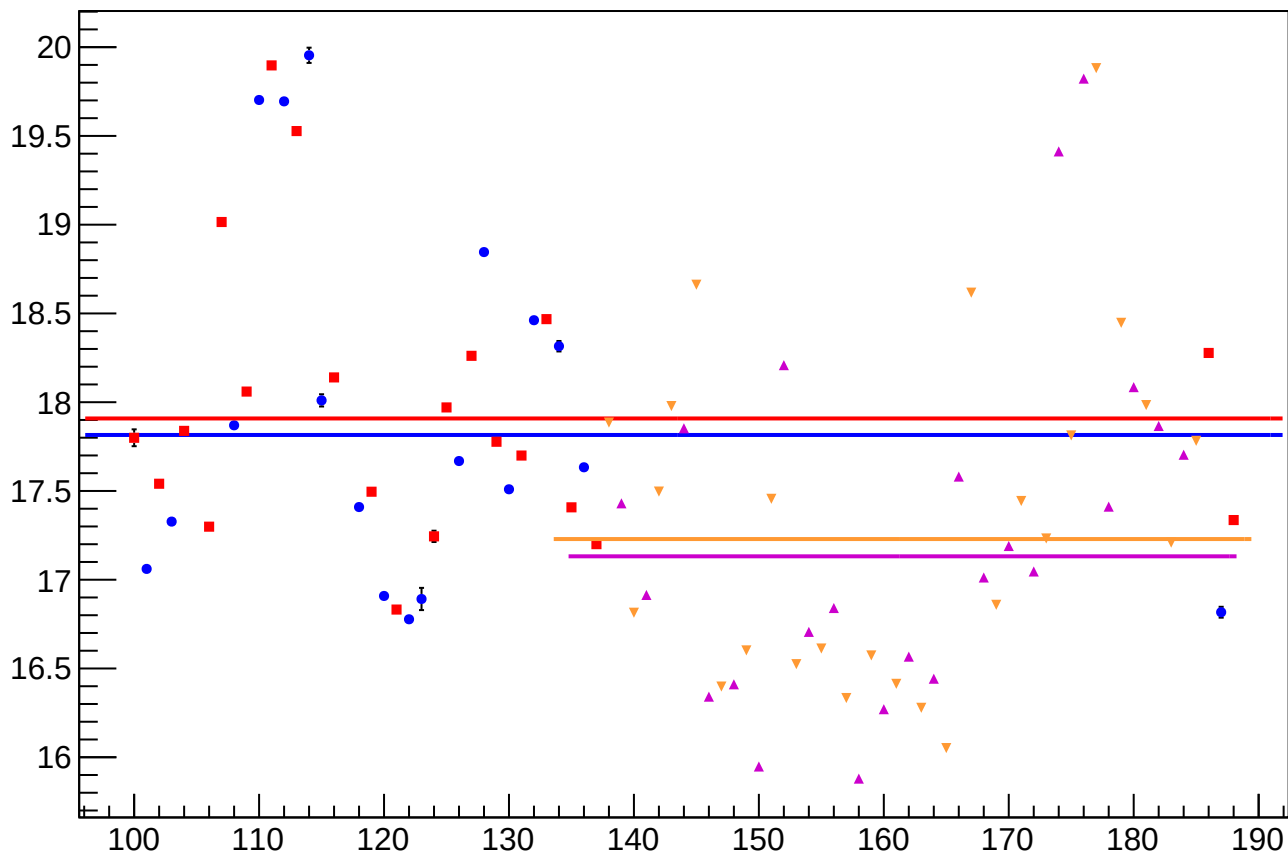
Left In: -4.943 $\pm$ 4.108 χ^2/NDF : 34.8/22

+ sign 3.434 $\pm$ 3.464 χ^2/NDF : 18.1/42

All: 0.205 $\pm$ 2.435 χ^2/NDF : 82.7/86

- sign -2.946 $\pm$ 3.422 χ^2/NDF : 62.8/43

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.815+/-0.005 χ^2/NDF : 32168.9/17

Left Out: 17.229+/-0.003 χ^2/NDF : 98624.7/24

Right Out: 17.908+/-0.004 χ^2/NDF : 27721.1/20

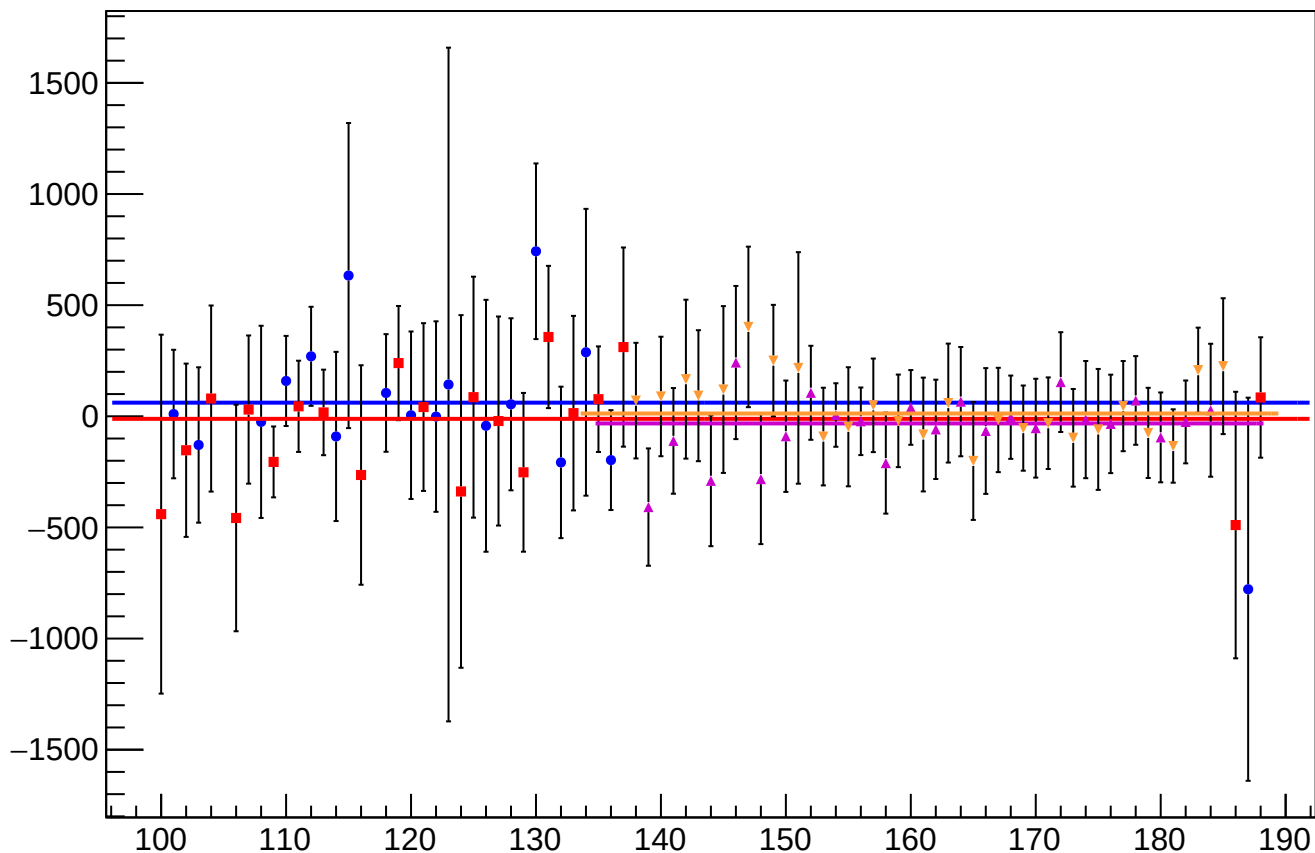
Left In: 17.132+/-0.003 χ^2/NDF : 103997.3/22

+ sign 17.379+/-0.002 χ^2/NDF : 141709.6/42

All: 17.374+/-0.002 χ^2/NDF : 295292.8/86

- sign 17.369+/-0.002 χ^2/NDF : 153574.5/43

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 61.329 $\pm$ 80.430 χ^2 /NDF: 8.4/17

Left Out: 12.474 $\pm$ 48.086 χ^2 /NDF: 6.8/24

Right Out: -11.497 $\pm$ 68.282 χ^2 /NDF: 7.5/20

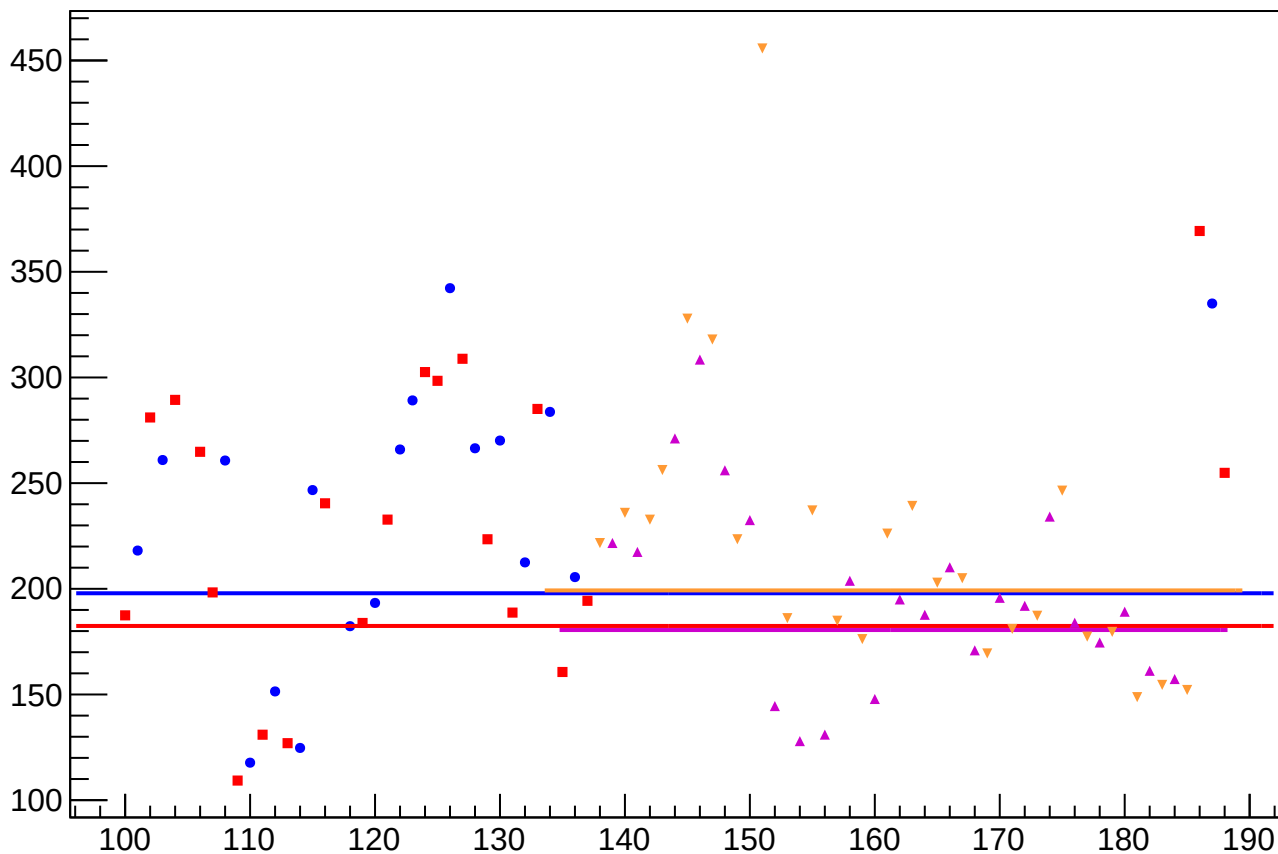
Left In: -32.159 $\pm$ 45.131 χ^2 /NDF: 6.9/22

+ sign 25.339 $\pm$ 41.272 χ^2 /NDF: 15.5/42

All: -2.615 $\pm$ 27.815 χ^2 /NDF: 30.9/86

- sign -25.877 $\pm$ 37.650 χ^2 /NDF: 14.5/43

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 197.895 $\pm$ 0.057 χ^2 /NDF: 1017208.5/17

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 182.425 $\pm$ 0.048 χ^2 /NDF: 1866498.2/20

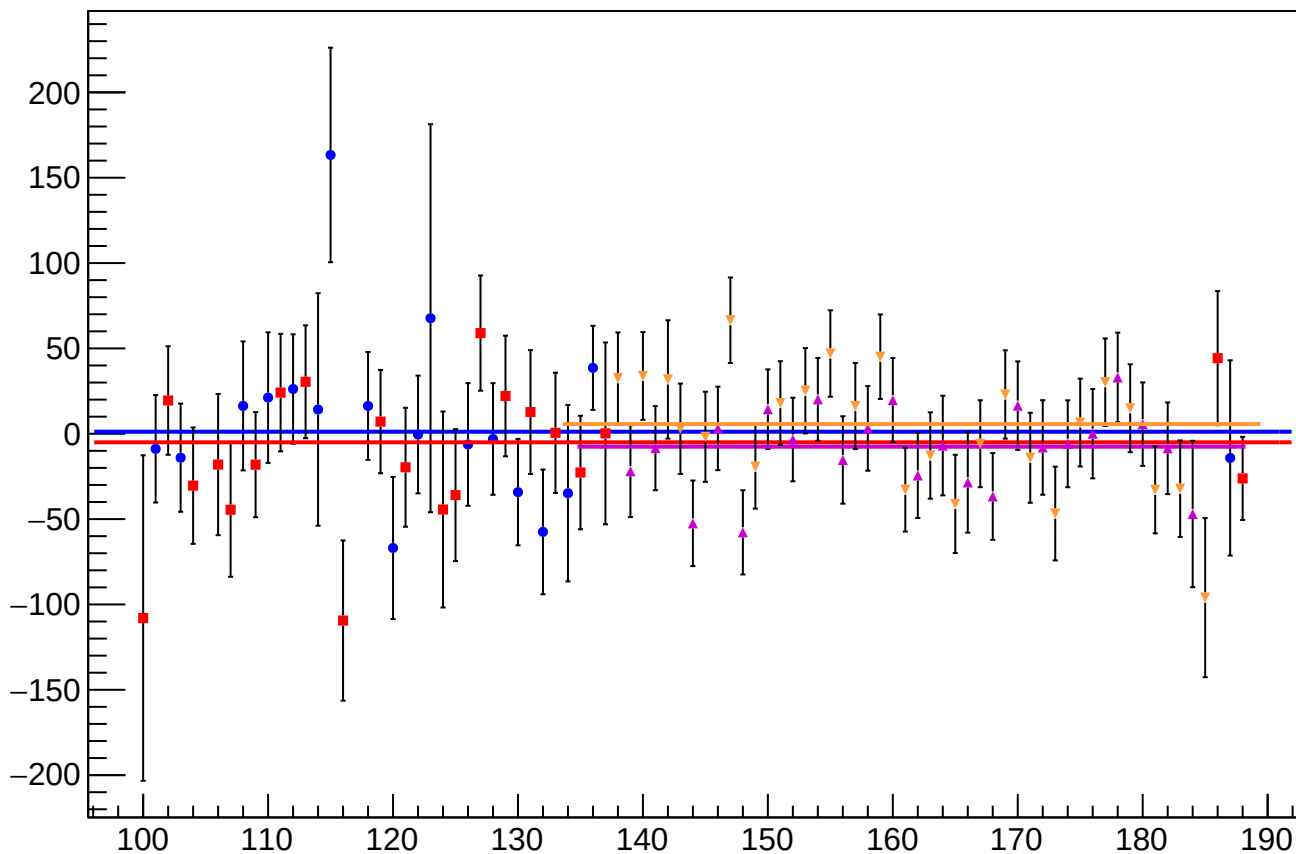
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 198.887 $\pm$ 0.029 χ^2 /NDF: 2781719.3/42

All: 189.168 $\pm$ 0.020 χ^2 /NDF: 6446286.3/86

- sign 181.081 $\pm$ 0.027 χ^2 /NDF: 3461396.1/43

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 1.190 ± 8.722 $\chi^2/\text{NDF}: 18.1/17$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -5.006 ± 7.861 $\chi^2/\text{NDF}: 18.9/20$

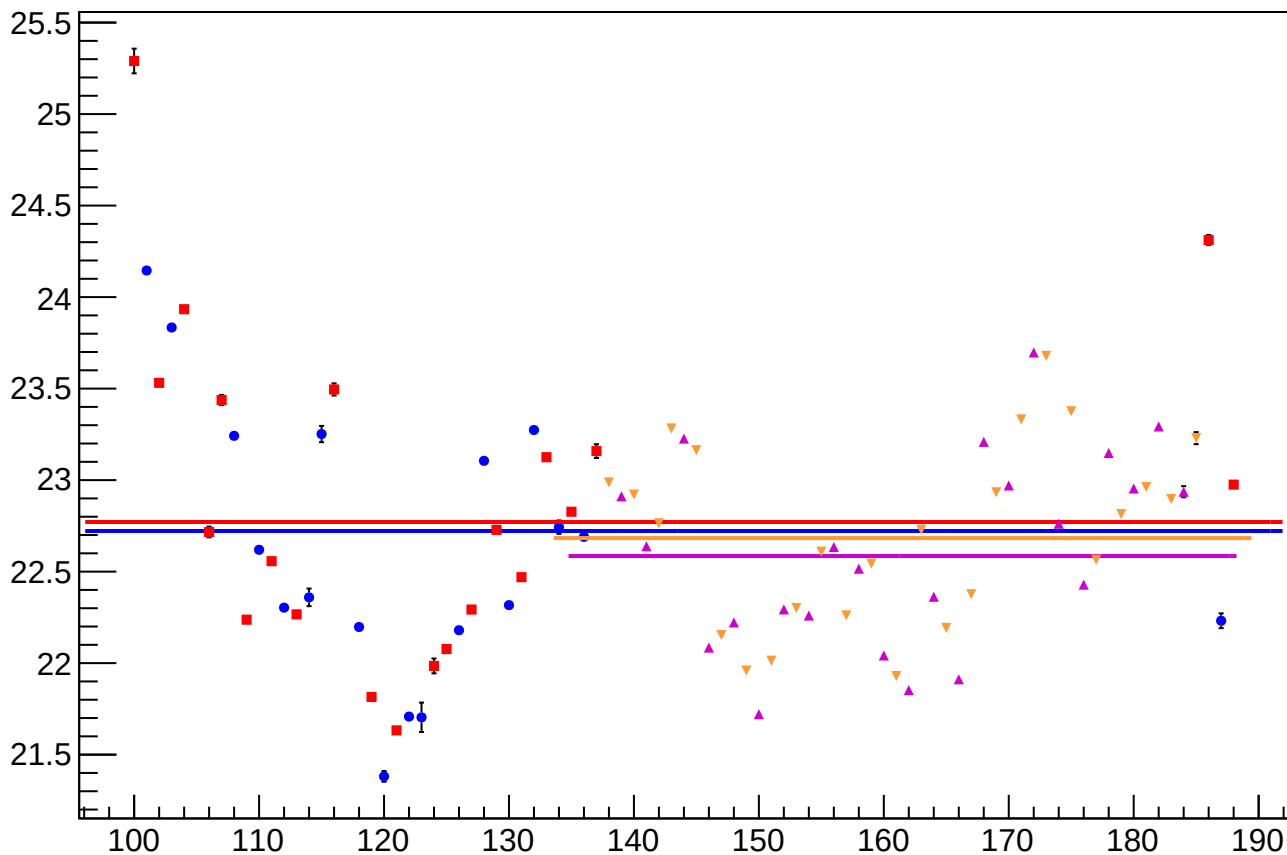
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 4.472 ± 4.516 $\chi^2/\text{NDF}: 54.7/42$

All: -1.226 ± 3.170 $\chi^2/\text{NDF}: 95.2/86$

- sign -6.764 ± 4.452 $\chi^2/\text{NDF}: 37.3/43$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13680.7/17

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.771 $\pm$ 0.006 χ^2 /NDF: 16284.1/20

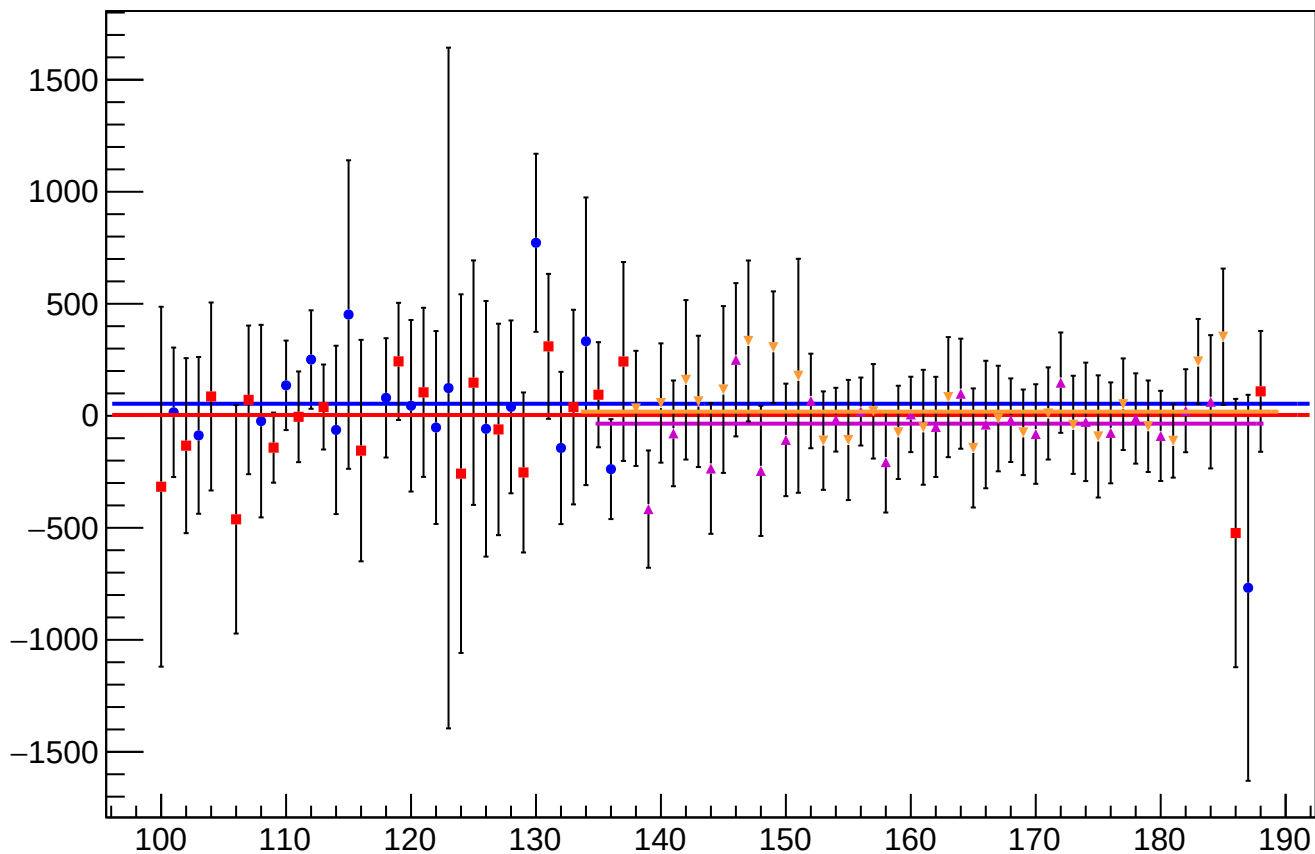
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.694 $\pm$ 0.003 χ^2 /NDF: 30027.2/42

All: 22.669 $\pm$ 0.002 χ^2 /NDF: 65277.1/86

- sign 22.645 $\pm$ 0.003 χ^2 /NDF: 35131.0/43

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 53.767 $\pm$ 80.083 χ^2 /NDF: 8.1/17

Left Out: 18.633 $\pm$ 48.006 χ^2 /NDF: 7.6/24

Right Out: 3.737 $\pm$ 67.824 χ^2 /NDF: 6.1/20

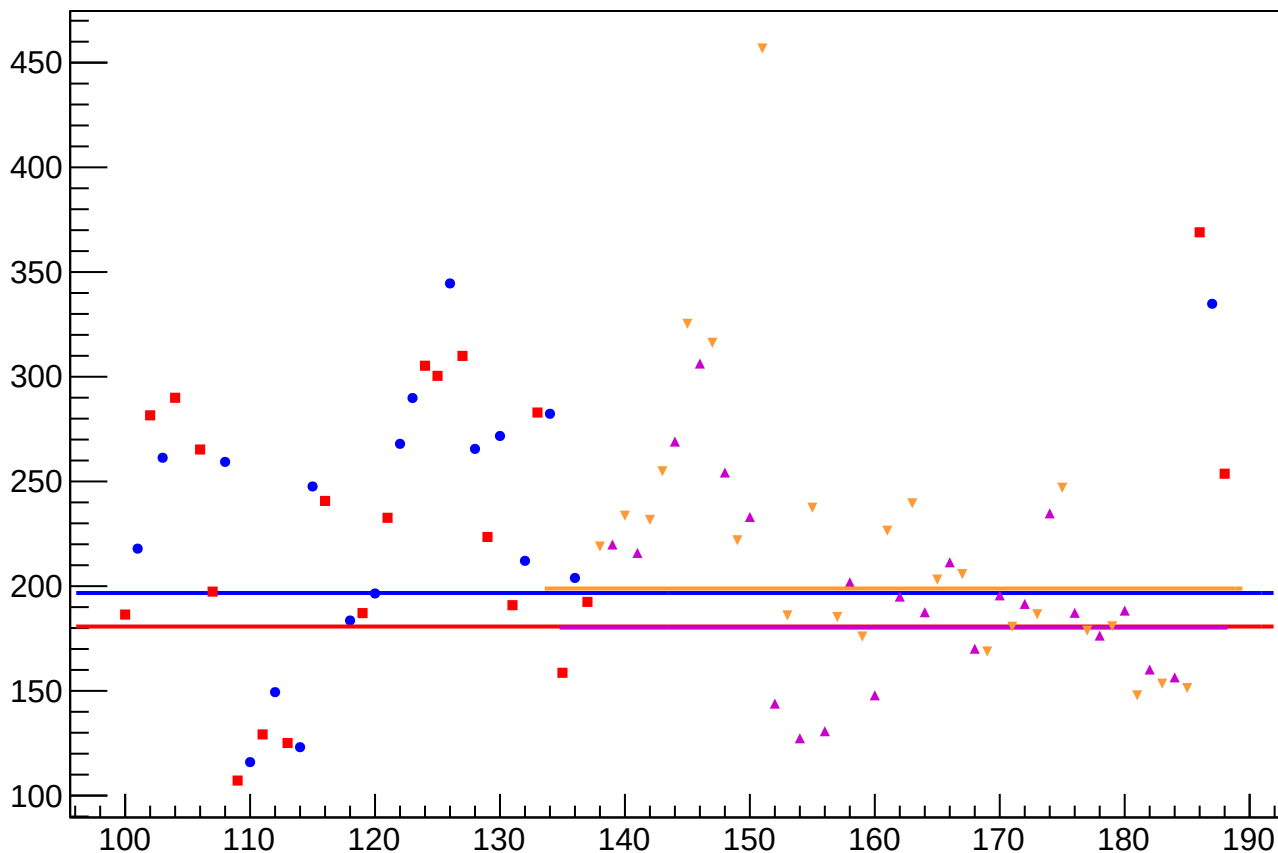
Left In: -35.046 $\pm$ 45.063 χ^2 /NDF: 6.3/22

+ sign 27.921 $\pm$ 41.175 χ^2 /NDF: 15.9/42

All: 0.018 $\pm$ 27.738 χ^2 /NDF: 29.3/86

- sign -23.169 $\pm$ 37.534 χ^2 /NDF: 12.6/43

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.747 $\pm$ 0.057 χ^2 /NDF: 1058045.3/17

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF: 1762454.6/24

Right Out: 180.733 $\pm$ 0.048 χ^2 /NDF: 1940174.1/20

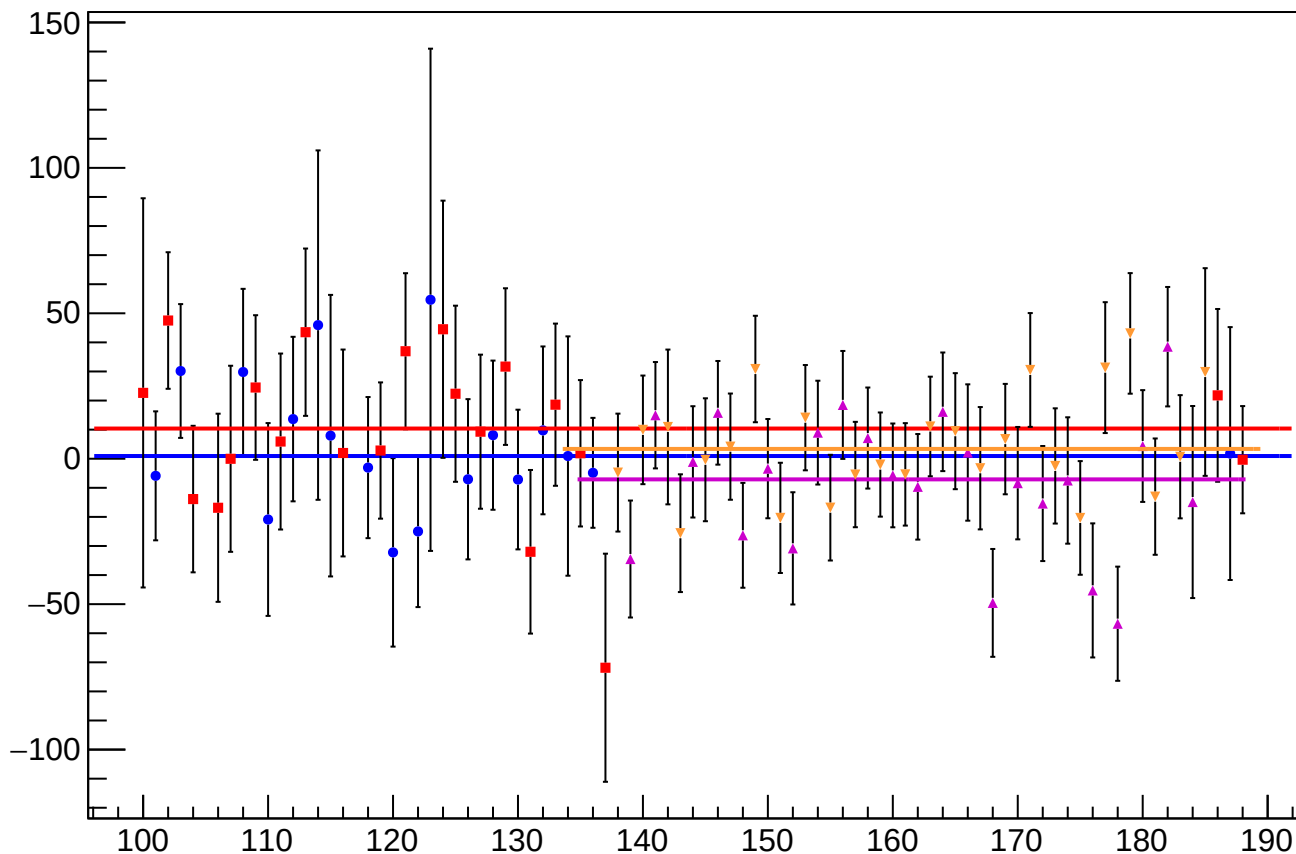
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF: 1589005.4/22

+ sign 198.324 $\pm$ 0.029 χ^2 /NDF: 2821553.9/42

All: 188.517 $\pm$ 0.020 χ^2 /NDF: 6558547.9/86

- sign 180.368 $\pm$ 0.027 χ^2 /NDF: 3529262.8/43

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.930 ± 6.747 χ^2/NDF : 6.9/17

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: 10.379 ± 6.116 χ^2/NDF : 15.8/20

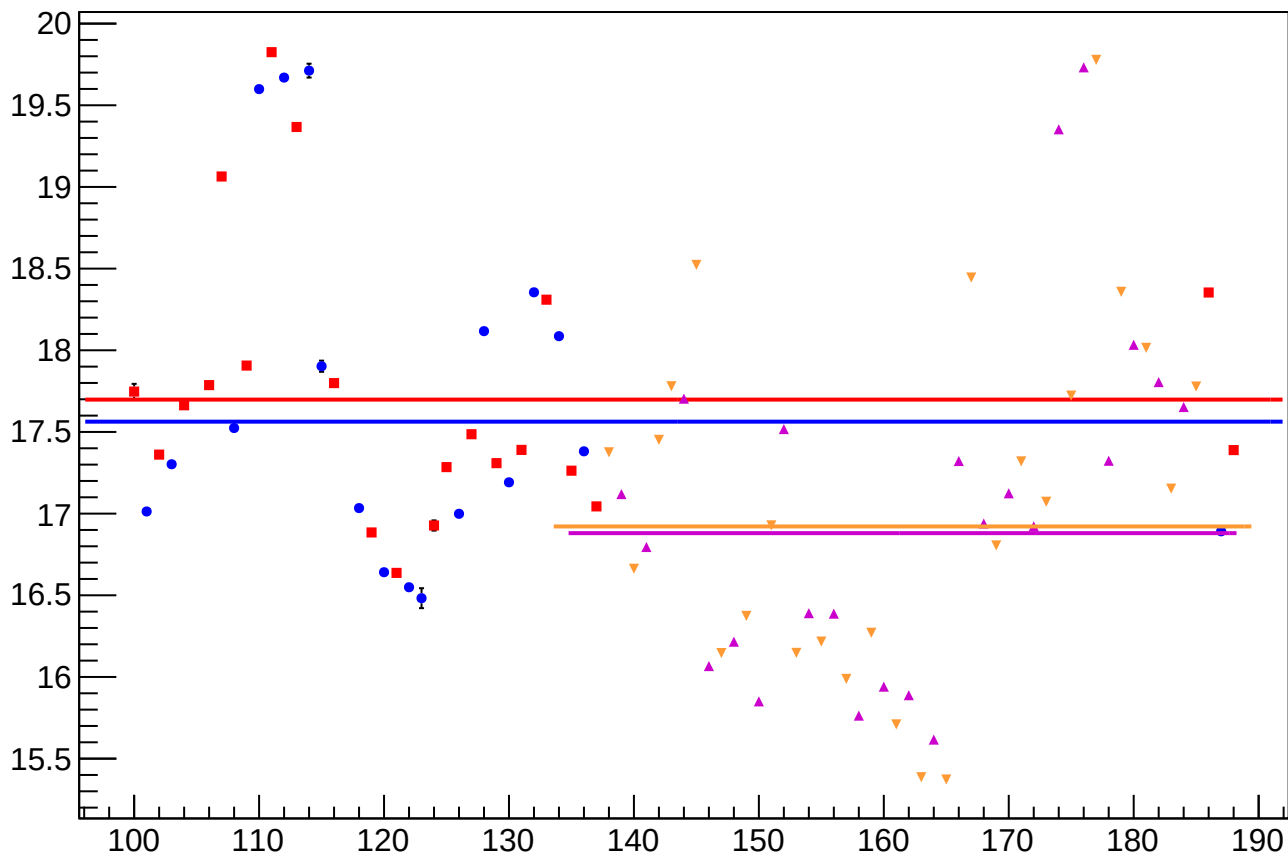
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 2.749 ± 3.407 χ^2/NDF : 25.8/42

All: 0.466 ± 2.398 χ^2/NDF : 80.7/86

- sign -1.776 ± 3.375 χ^2/NDF : 54.0/43

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.563 $\pm$ 0.005 χ^2 /NDF: 33450.7/17

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.698 $\pm$ 0.004 χ^2 /NDF: 31816.1/20

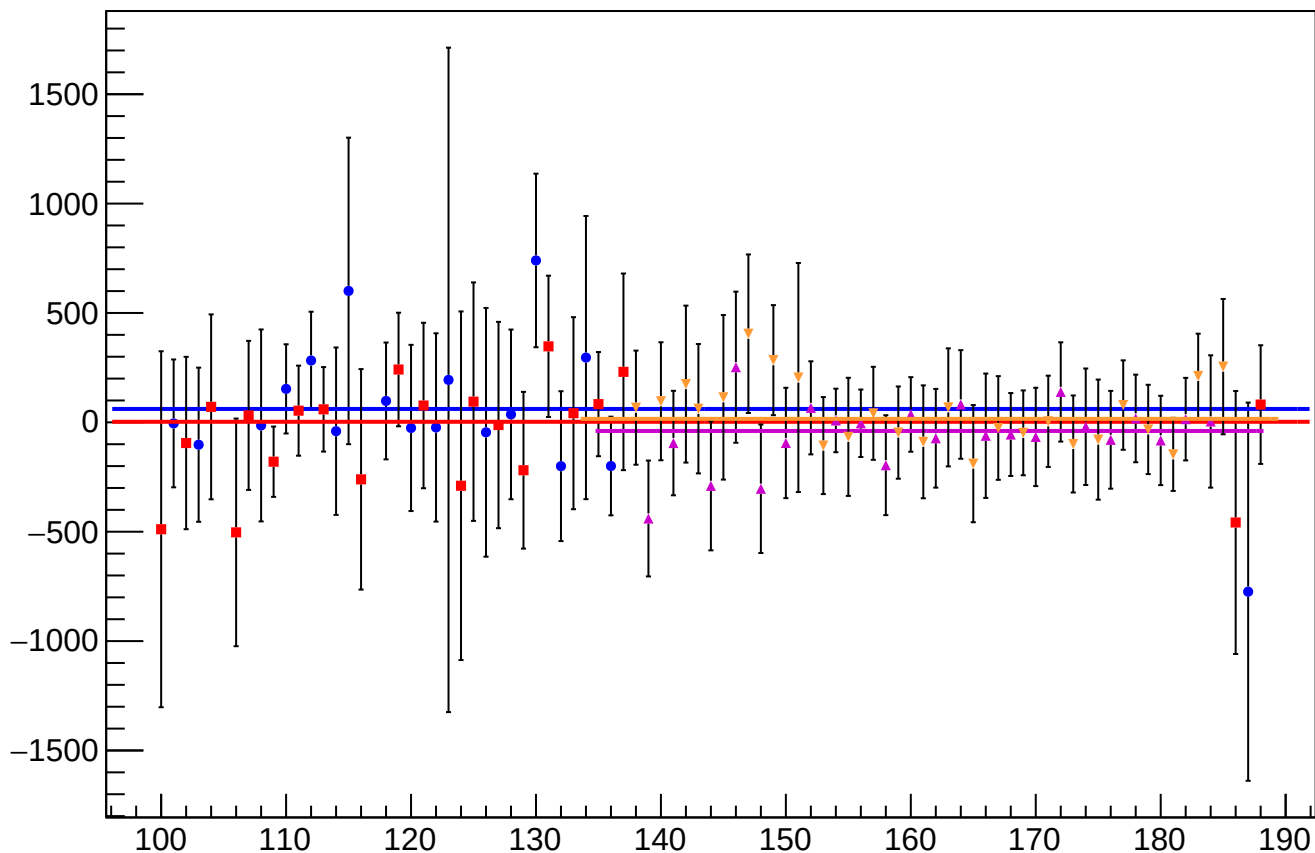
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 17.085 $\pm$ 0.002 χ^2 /NDF: 185915.5/42

All: 17.107 $\pm$ 0.002 χ^2 /NDF: 364499.1/86

- sign 17.129 $\pm$ 0.002 χ^2 /NDF: 178412.0/43

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 61.244+/-80.899 χ^2/NDF : 8.2/17

Left Out: 15.970+/-48.503 χ^2/NDF : 7.4/24

Right Out: 2.571+/-68.731 χ^2/NDF : 6.7/20

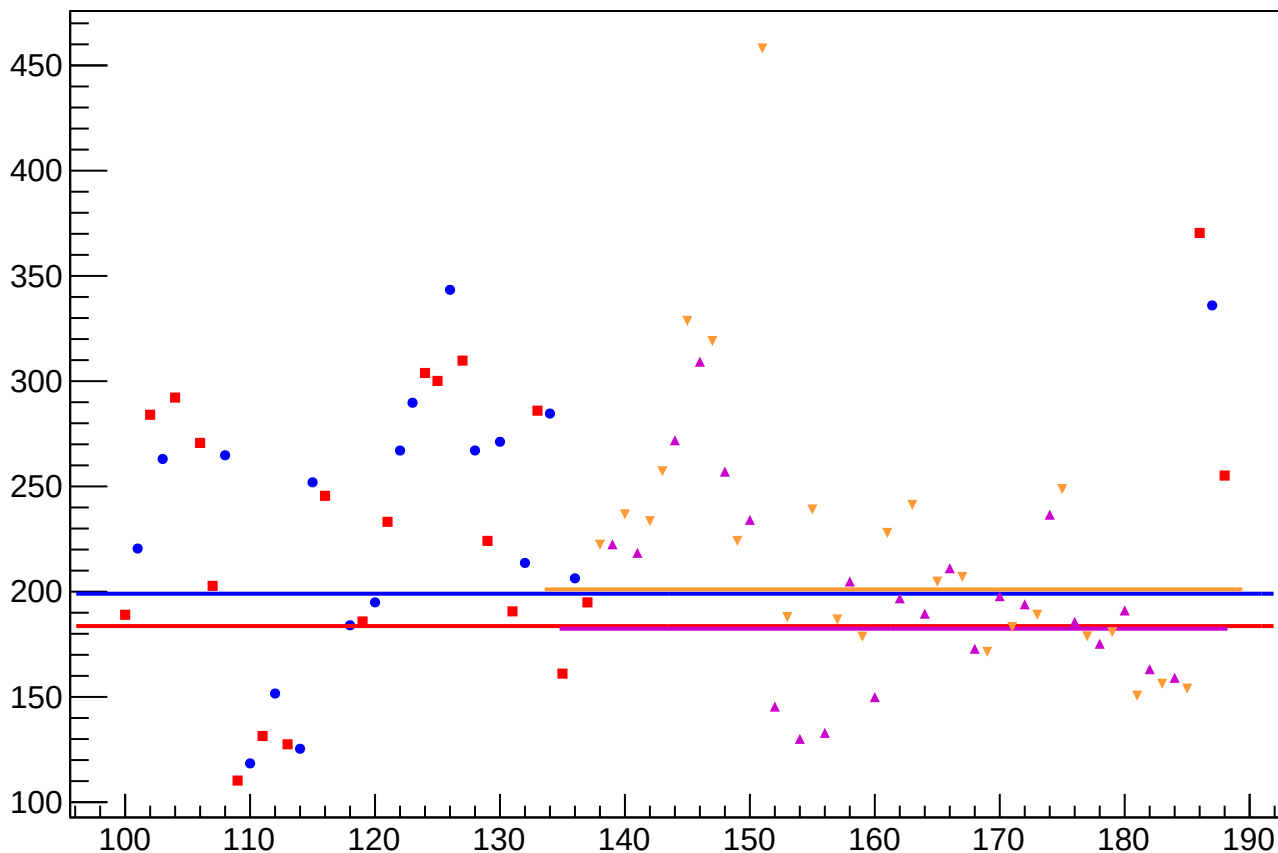
Left In: -39.377+/-45.571 χ^2/NDF : 6.9/22

+ sign 27.941+/-41.599 χ^2/NDF : 15.8/42

All: -1.787+/-28.049 χ^2/NDF : 30.6/86

- sign -26.567+/-37.981 χ^2/NDF : 13.9/43

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 199.042 $\pm$ 0.057 χ^2 /NDF: 1021730.2/17

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 183.659 $\pm$ 0.049 χ^2 /NDF: 1869655.3/20

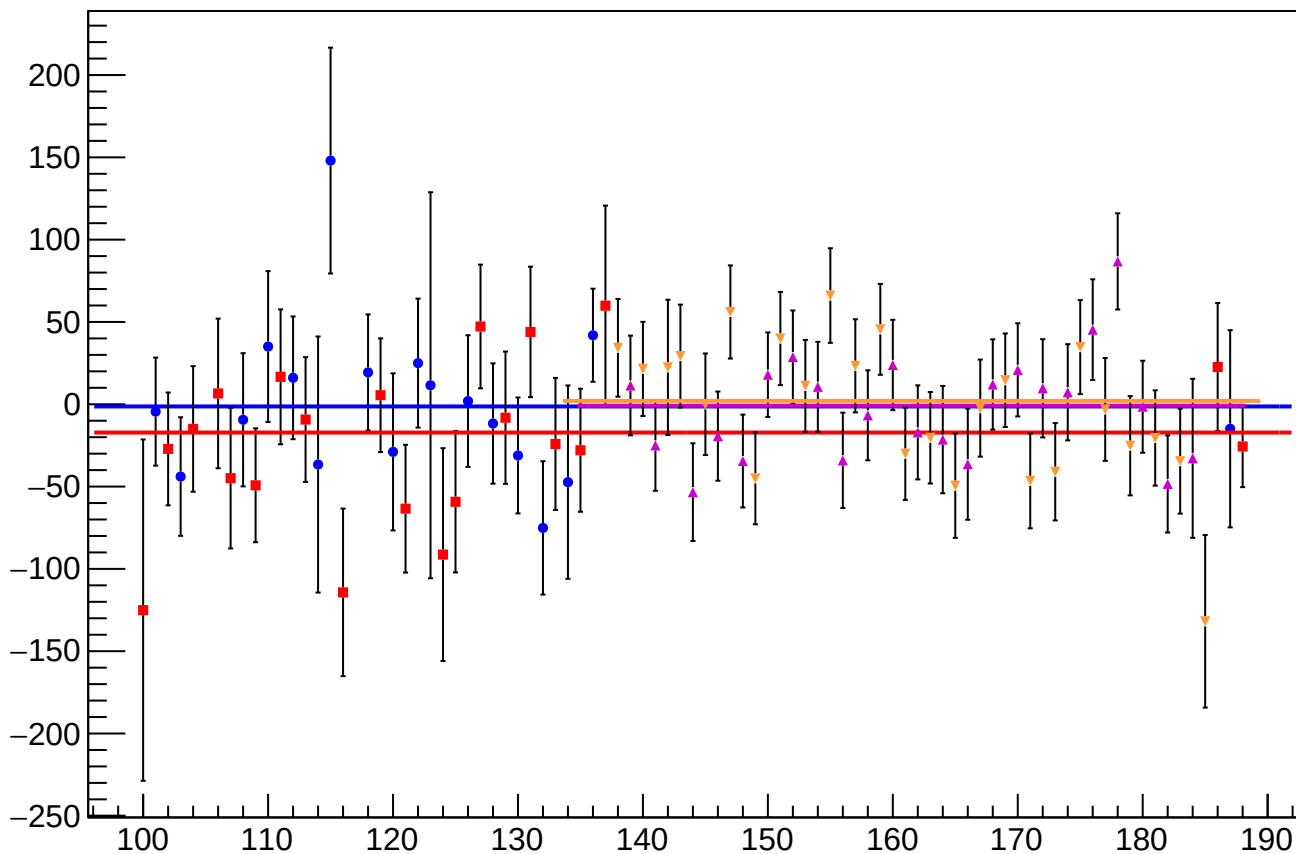
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 200.549 $\pm$ 0.029 χ^2 /NDF: 2753743.1/42

All: 190.859 $\pm$ 0.020 χ^2 /NDF: 6371754.6/86

- sign 182.782 $\pm$ 0.027 χ^2 /NDF: 3419032.2/43

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.324 ± 9.777 χ^2/NDF : 15.5/17

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -17.171 ± 8.660 χ^2/NDF : 19.5/20

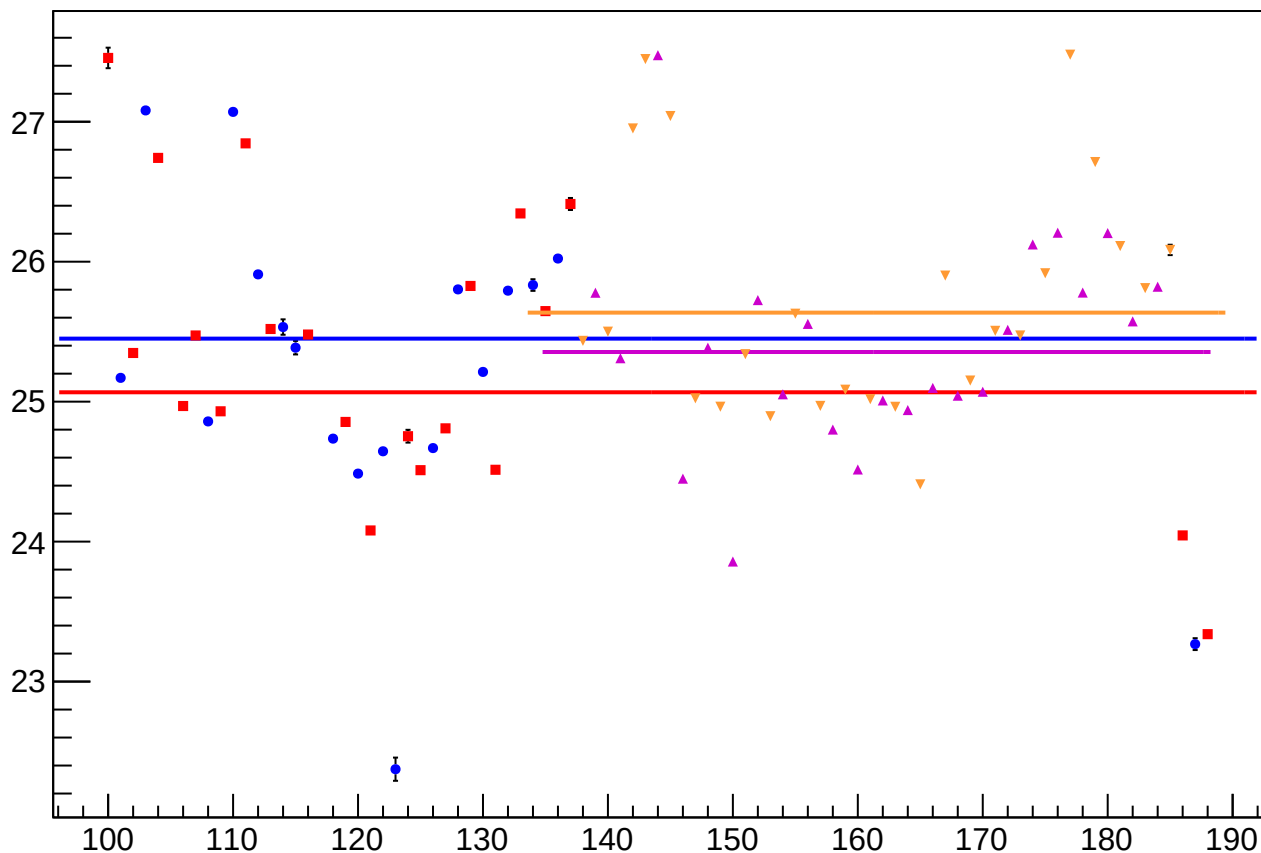
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 1.136 ± 5.095 χ^2/NDF : 55.0/42

All: -2.654 ± 3.558 χ^2/NDF : 105.0/86

- sign -6.260 ± 4.970 χ^2/NDF : 48.9/43

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.450 $\pm$ 0.007 χ^2 /NDF: 16085.2/17

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 25.067 $\pm$ 0.006 χ^2 /NDF: 27054.9/20

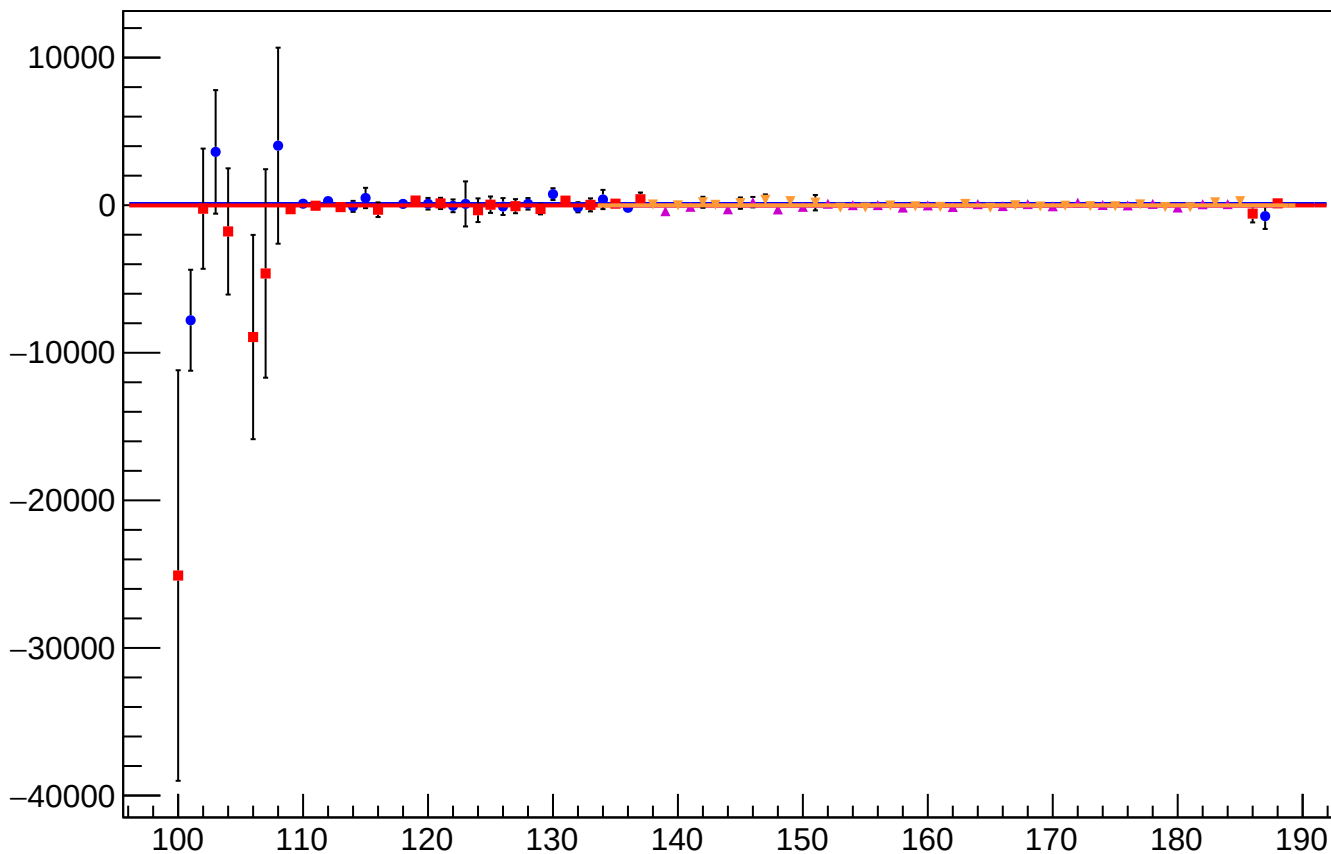
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.586 $\pm$ 0.004 χ^2 /NDF: 51741.9/42

All: 25.419 $\pm$ 0.003 χ^2 /NDF: 114232.3/86

- sign 25.260 $\pm$ 0.004 χ^2 /NDF: 58302.6/43

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 79.382+/-88.269 χ^2/NDF : 13.5/17

Left Out: -12.820+/-48.216 χ^2/NDF : 7.9/24

Right Out: -17.105+/-76.951 χ^2/NDF : 13.1/20

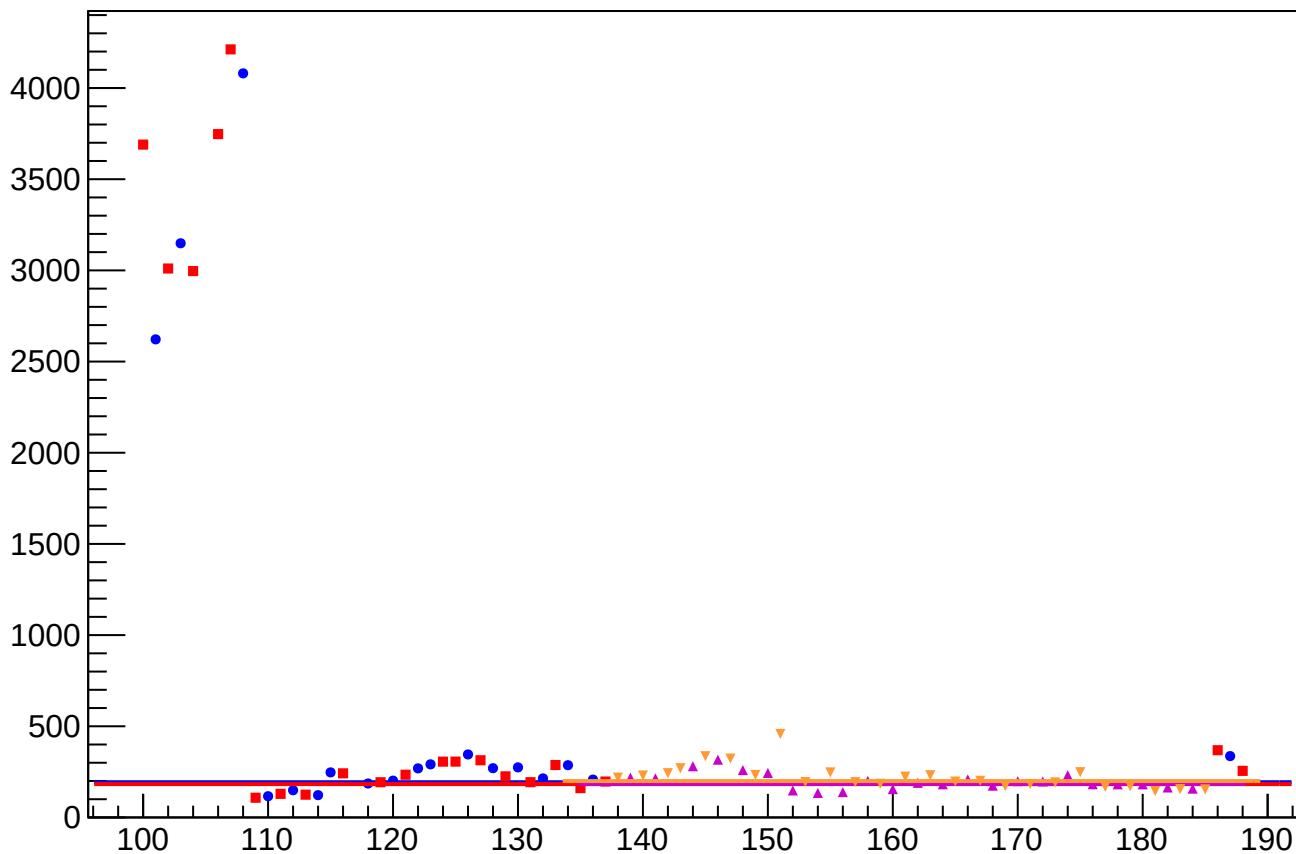
Left In: -26.836+/-45.876 χ^2/NDF : 7.5/22

+ sign 8.369+/-42.315 χ^2/NDF : 22.2/42

All: -9.119+/-28.837 χ^2/NDF : 43.1/86

- sign -24.285+/-39.405 χ^2/NDF : 20.6/43

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 193.217 $\pm$ 0.062 χ^2 /NDF: 3631257.0/17

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 182.944 $\pm$ 0.054 χ^2 /NDF: 4566787.2/20

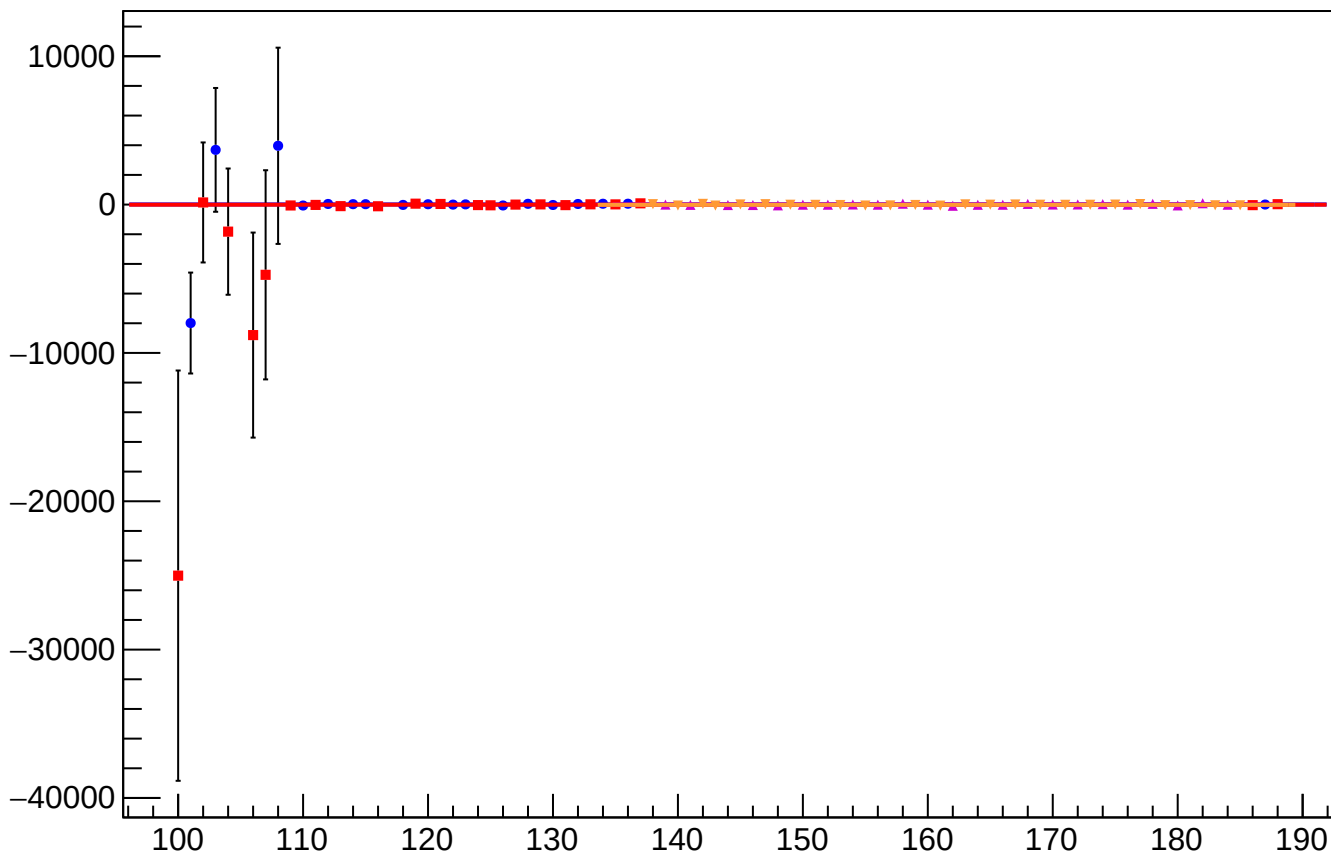
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 198.083 $\pm$ 0.030 χ^2 /NDF: 5519699.7/42

All: 190.405 $\pm$ 0.020 χ^2 /NDF: 11633198.6/80

- sign 183.746 $\pm$ 0.028 χ^2 /NDF: 5990536.1/43

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.489+/-12.158 χ^2/NDF : 19.0/17

Left Out: -17.580+/-6.694 χ^2/NDF : 22.3/24

Right Out: -7.777+/-11.115 χ^2/NDF : 26.0/20

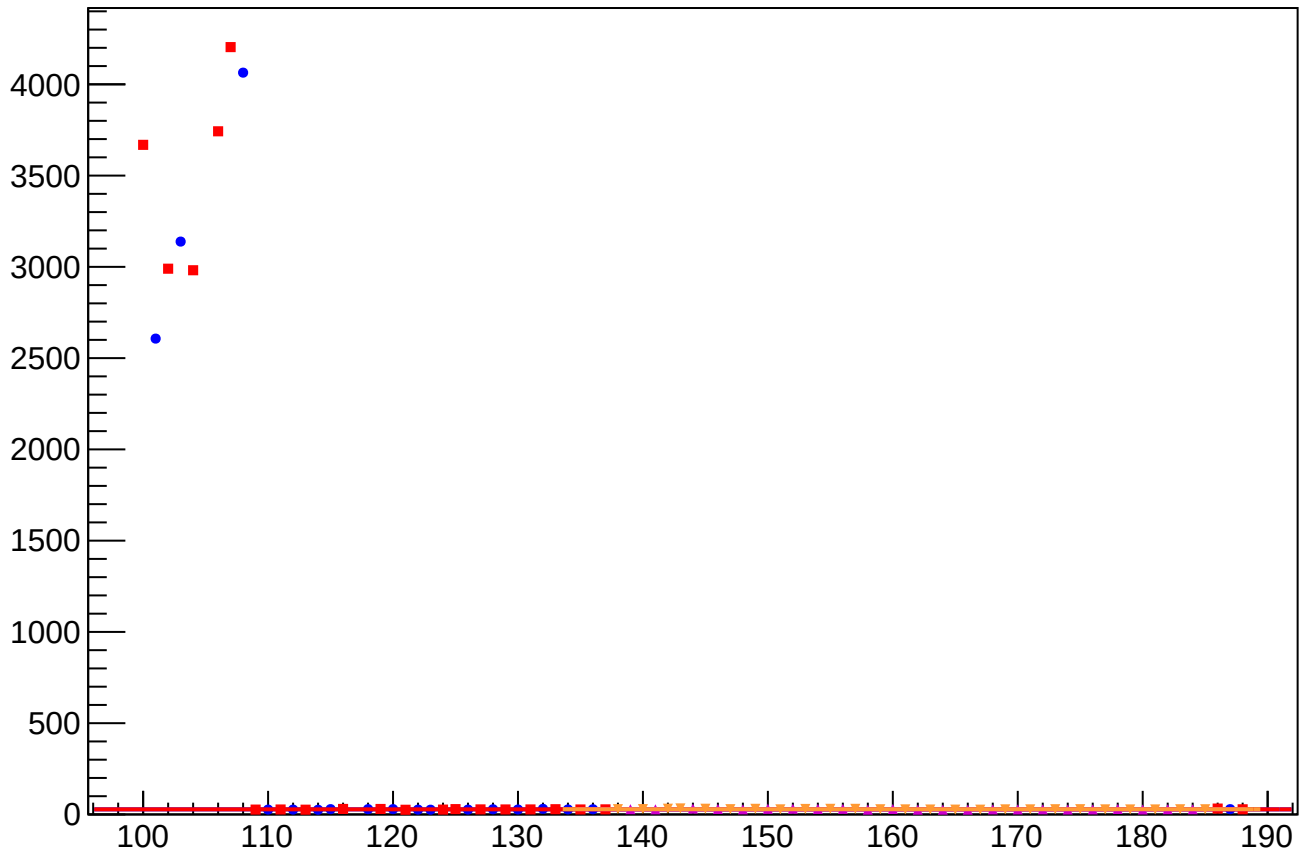
Left In: -1.038+/-6.880 χ^2/NDF : 32.4/22

+ sign -11.050+/-5.864 χ^2/NDF : 45.4/42

All: -6.968+/-4.141 χ^2/NDF : 105.0/86

- sign -2.905+/-5.850 χ^2/NDF : 58.6/43

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.905 $\pm$ 0.009 χ^2 /NDF: 3028281.2/17

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.990 $\pm$ 0.008 χ^2 /NDF: 3491221.4/20

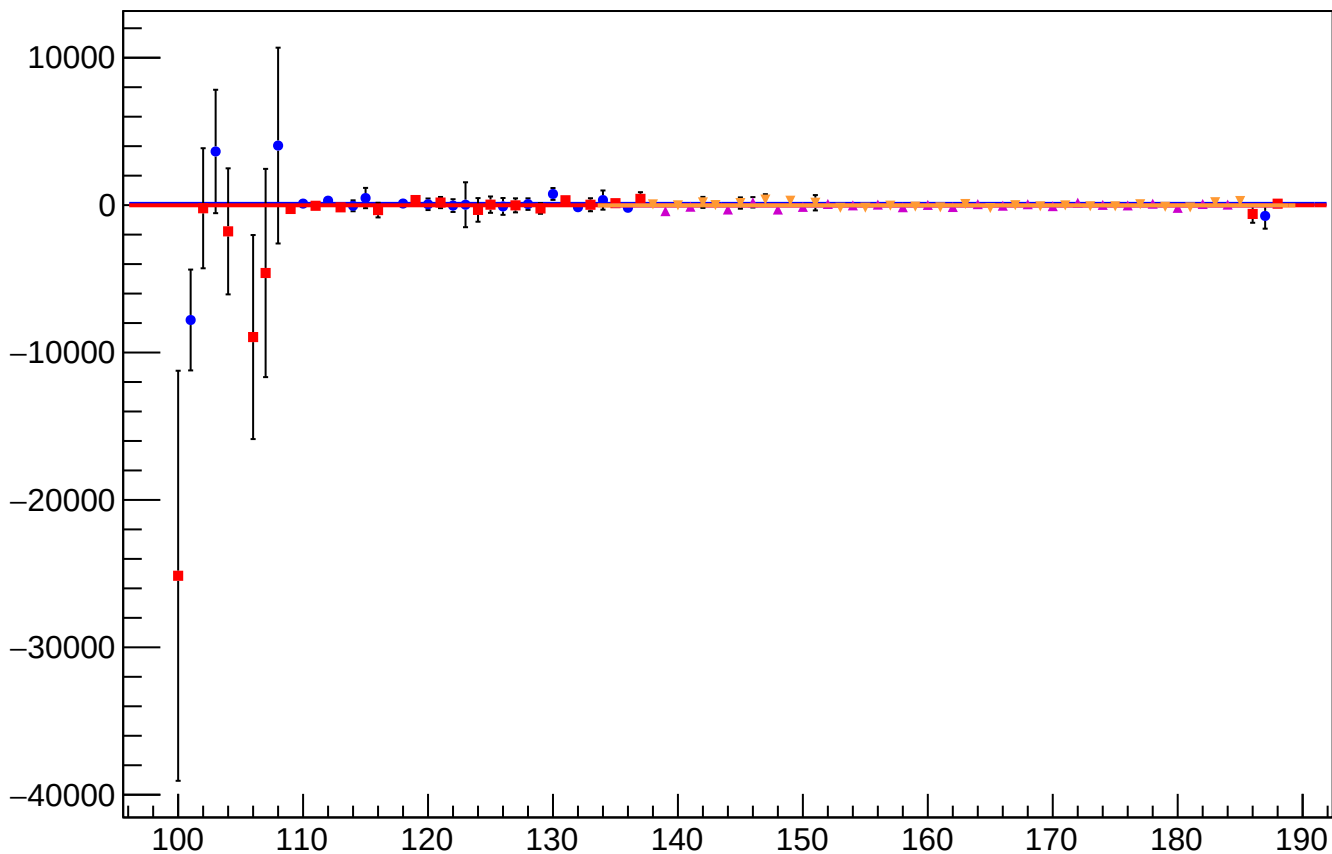
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.508 $\pm$ 0.004 χ^2 /NDF: 3145183.8/42

All: 28.496 $\pm$ 0.003 χ^2 /NDF: 6766622.6/86

- sign 28.484 $\pm$ 0.004 χ^2 /NDF: 3621421.8/43

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 85.026 $\pm$ 87.995 χ^2 /NDF: 13.7/17

Left Out: -15.483 $\pm$ 48.109 χ^2 /NDF: 8.7/24

Right Out: -10.697 $\pm$ 76.729 χ^2 /NDF: 13.9/20

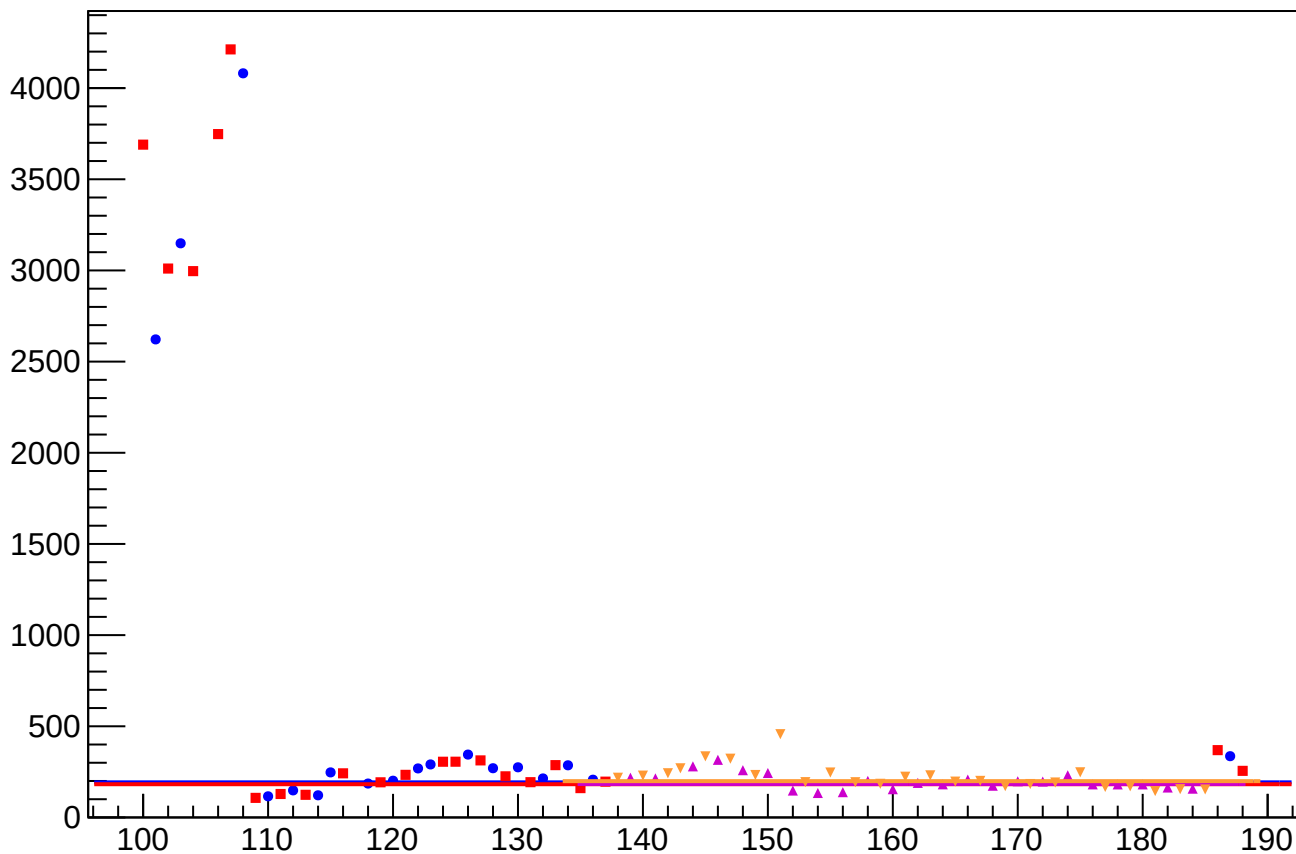
Left In: -27.009 $\pm$ 45.785 χ^2 /NDF: 7.8/22

+ sign 7.646 $\pm$ 42.212 χ^2 /NDF: 23.3/42

All: -8.617 $\pm$ 28.770 χ^2 /NDF: 45.4/86

- sign -22.726 $\pm$ 39.317 χ^2 /NDF: 21.8/43

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 192.500+/-0.062 χ^2/NDF : 3643515.3/17

Left Out: 199.094+/-0.034 χ^2/NDF : 1880343.4/24

Right Out: 182.289+/-0.054 χ^2/NDF : 4582923.0/20

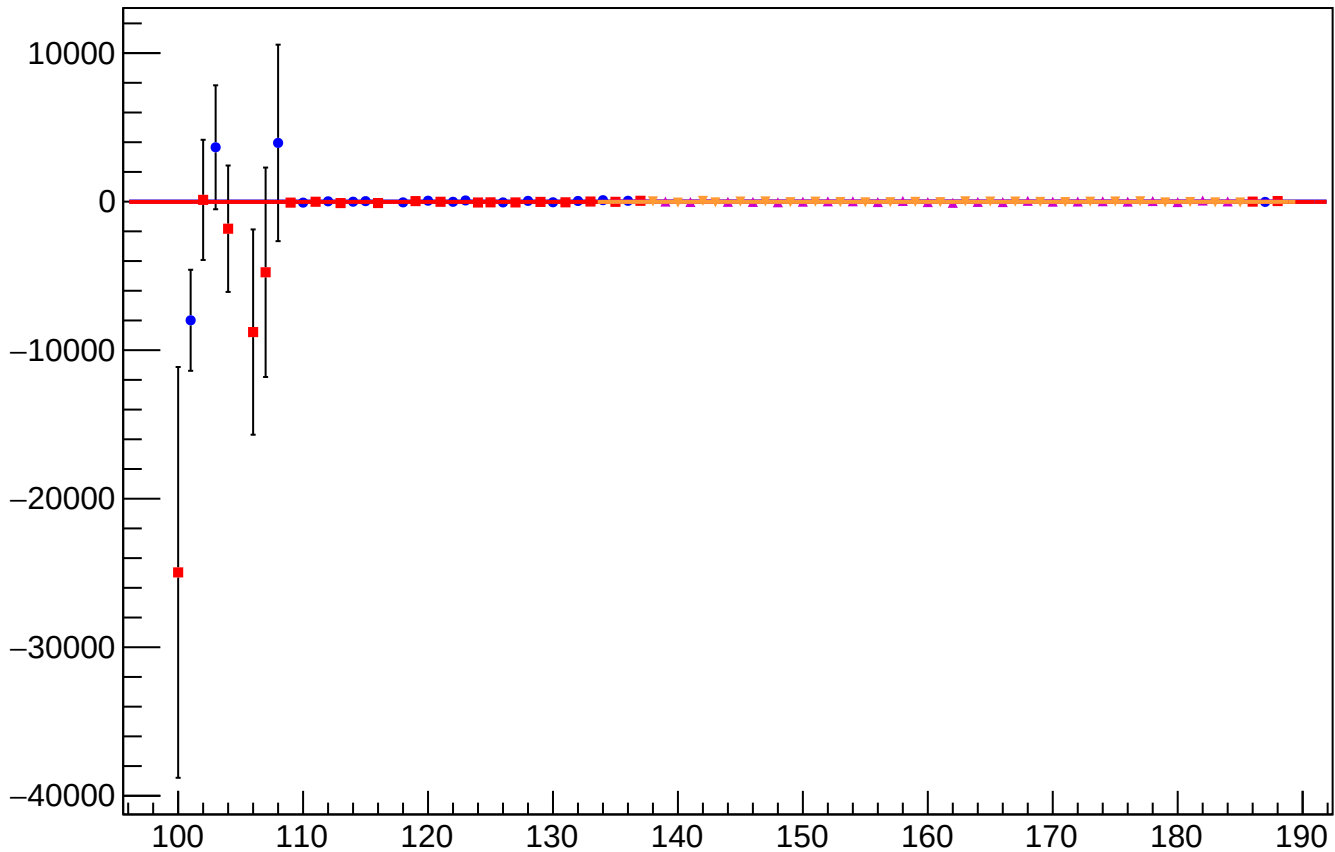
Left In: 183.667+/-0.032 χ^2/NDF : 1422895.7/22

+ sign 197.576+/-0.030 χ^2/NDF : 5532504.9/42

All: 189.935+/-0.020 χ^2/NDF : 11661203.2/80

- sign 183.305+/-0.028 χ^2/NDF : 6006294.3/43

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 7.250 ± 12.237 χ^2/NDF : 23.0/17

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -17.450 ± 11.167 χ^2/NDF : 21.0/20

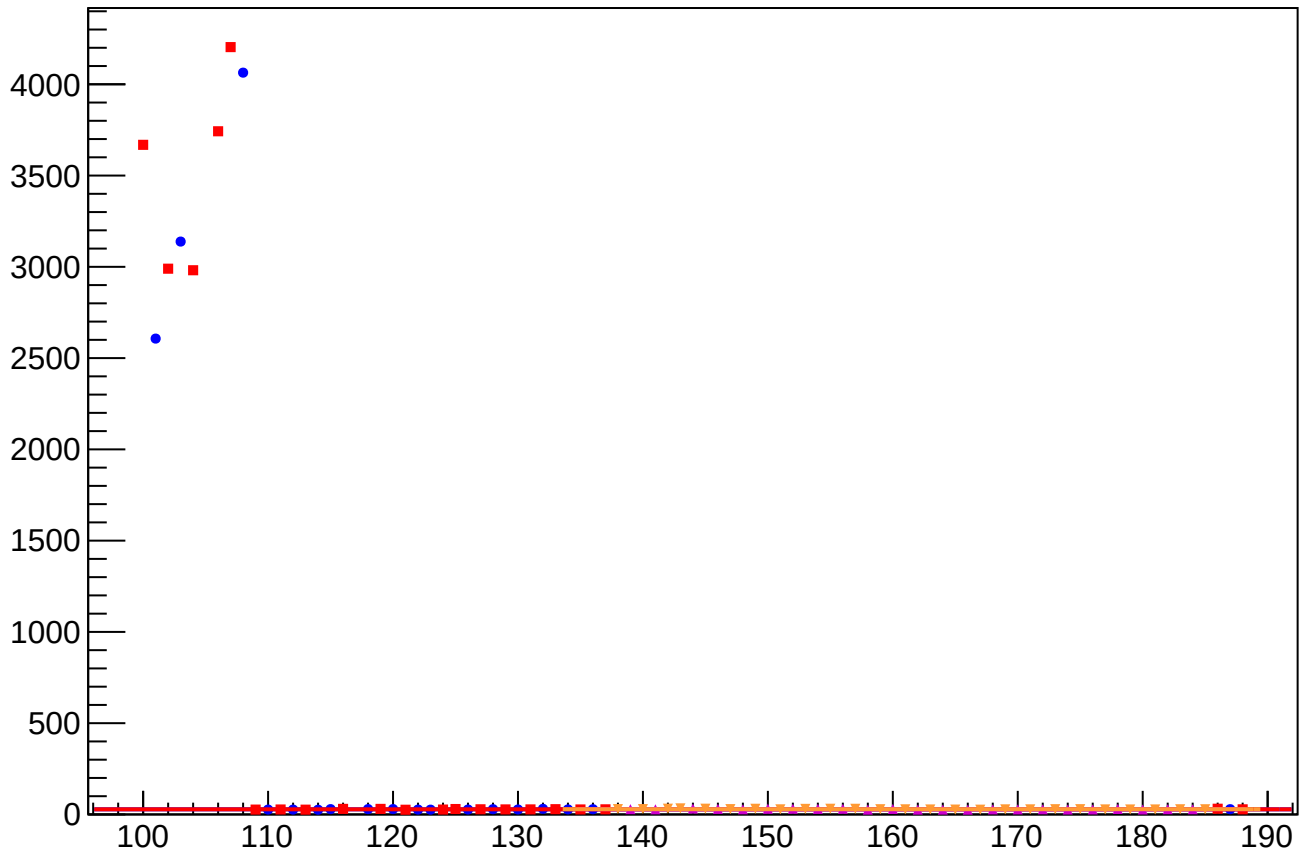
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -9.845 ± 5.893 χ^2/NDF : 43.0/42

All: -7.076 ± 4.161 χ^2/NDF : 92.7/86

- sign -4.323 ± 5.876 χ^2/NDF : 49.3/43

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.082 $\pm$ 0.009 χ^2 /NDF: 3028545.9/17

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 28.123 $\pm$ 0.008 χ^2 /NDF: 3488272.6/20

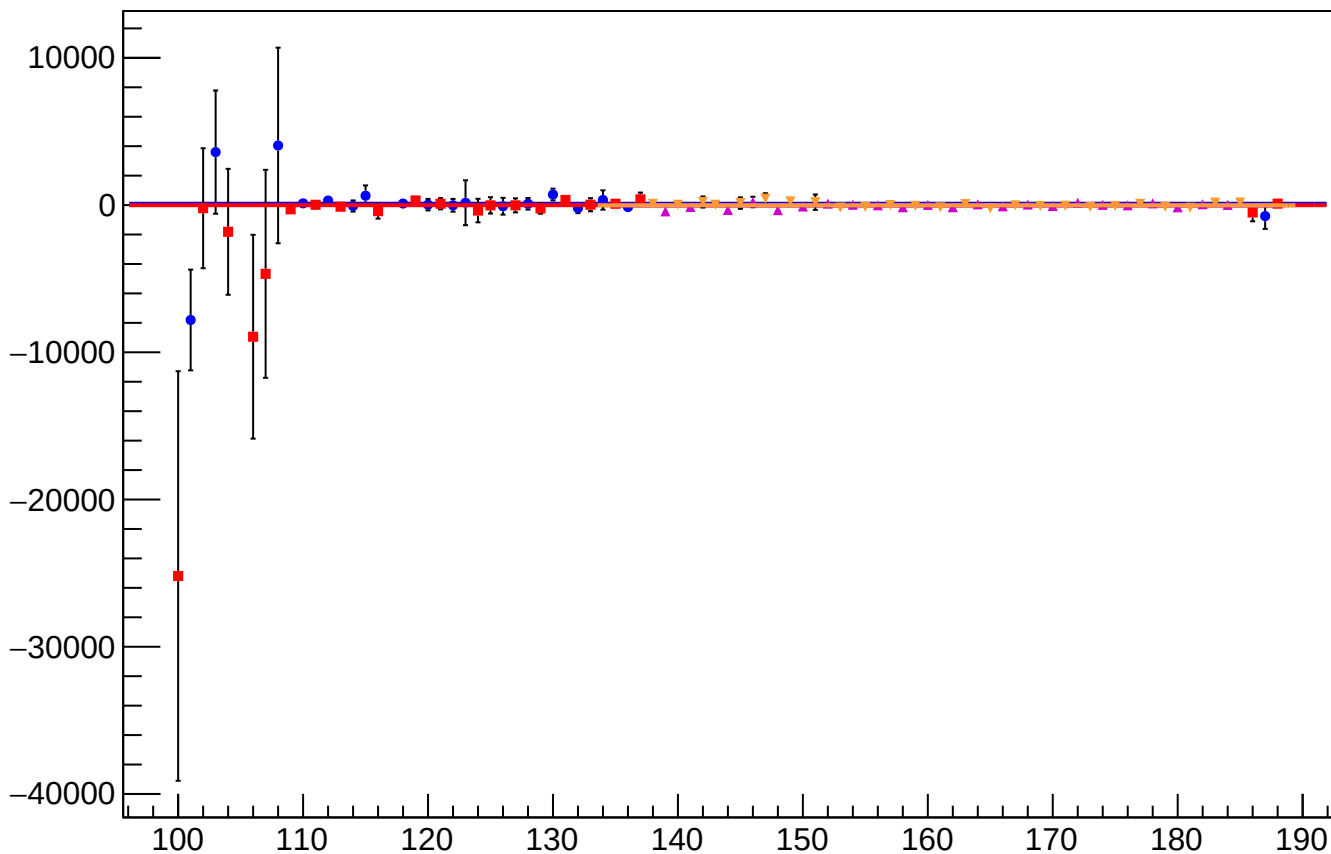
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.643 $\pm$ 0.004 χ^2 /NDF: 3156004.6/42

All: 28.625 $\pm$ 0.003 χ^2 /NDF: 6778905.1/86

- sign 28.607 $\pm$ 0.004 χ^2 /NDF: 3622863.0/43

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 90.782 $\pm$ 89.041 χ^2 /NDF: 13.5/17

Left Out: -15.548 $\pm$ 48.688 χ^2 /NDF: 8.0/24

Right Out: -8.206 $\pm$ 77.693 χ^2 /NDF: 13.1/20

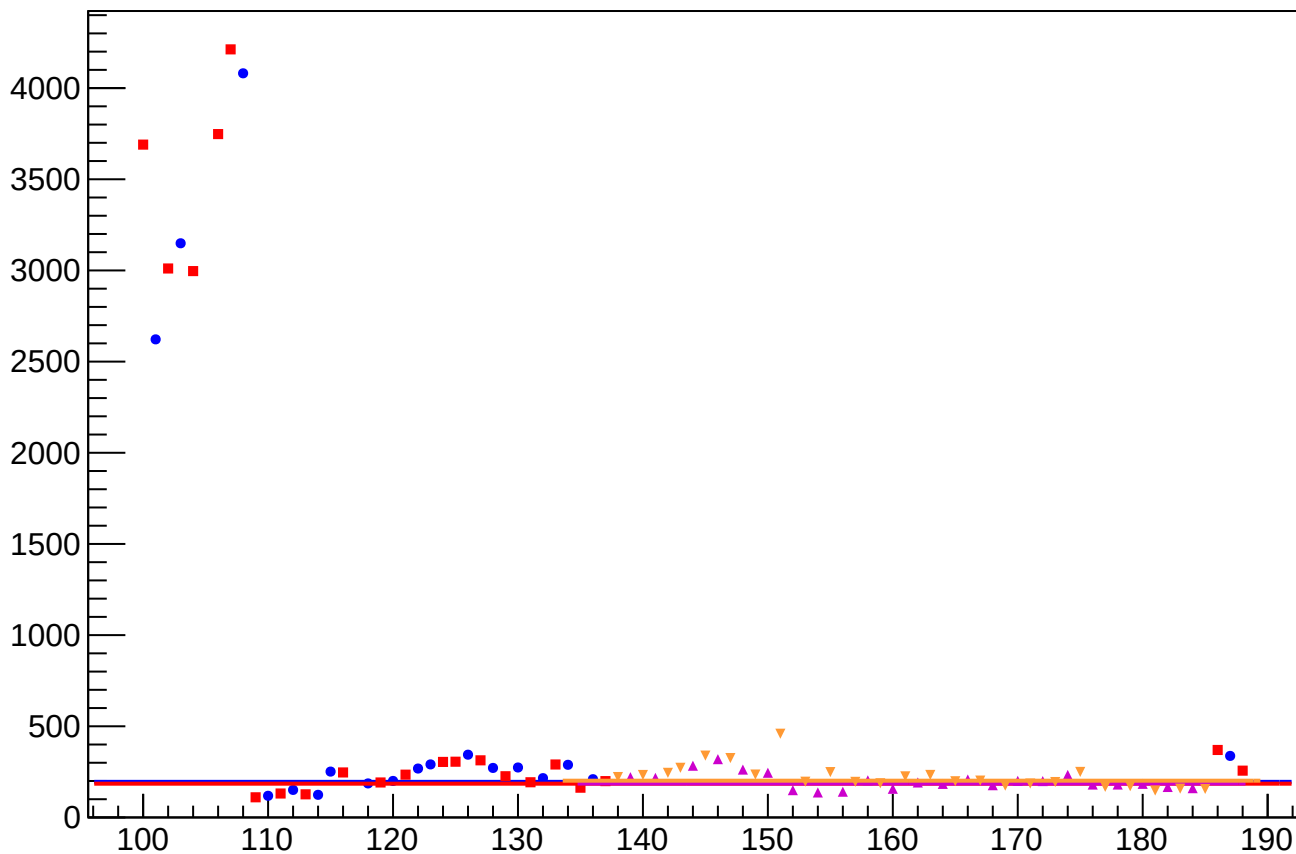
Left In: -31.170 $\pm$ 46.359 χ^2 /NDF: 8.2/22

+ sign 8.926 $\pm$ 42.719 χ^2 /NDF: 22.6/42

All: -9.306 $\pm$ 29.124 χ^2 /NDF: 44.3/86

- sign -25.140 $\pm$ 39.810 χ^2 /NDF: 21.4/43

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 195.259 $\pm$ 0.063 χ^2 /NDF: 3594235.5/17

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF: 1857453.2/24

Right Out: 185.163 $\pm$ 0.055 χ^2 /NDF: 4516444.9/20

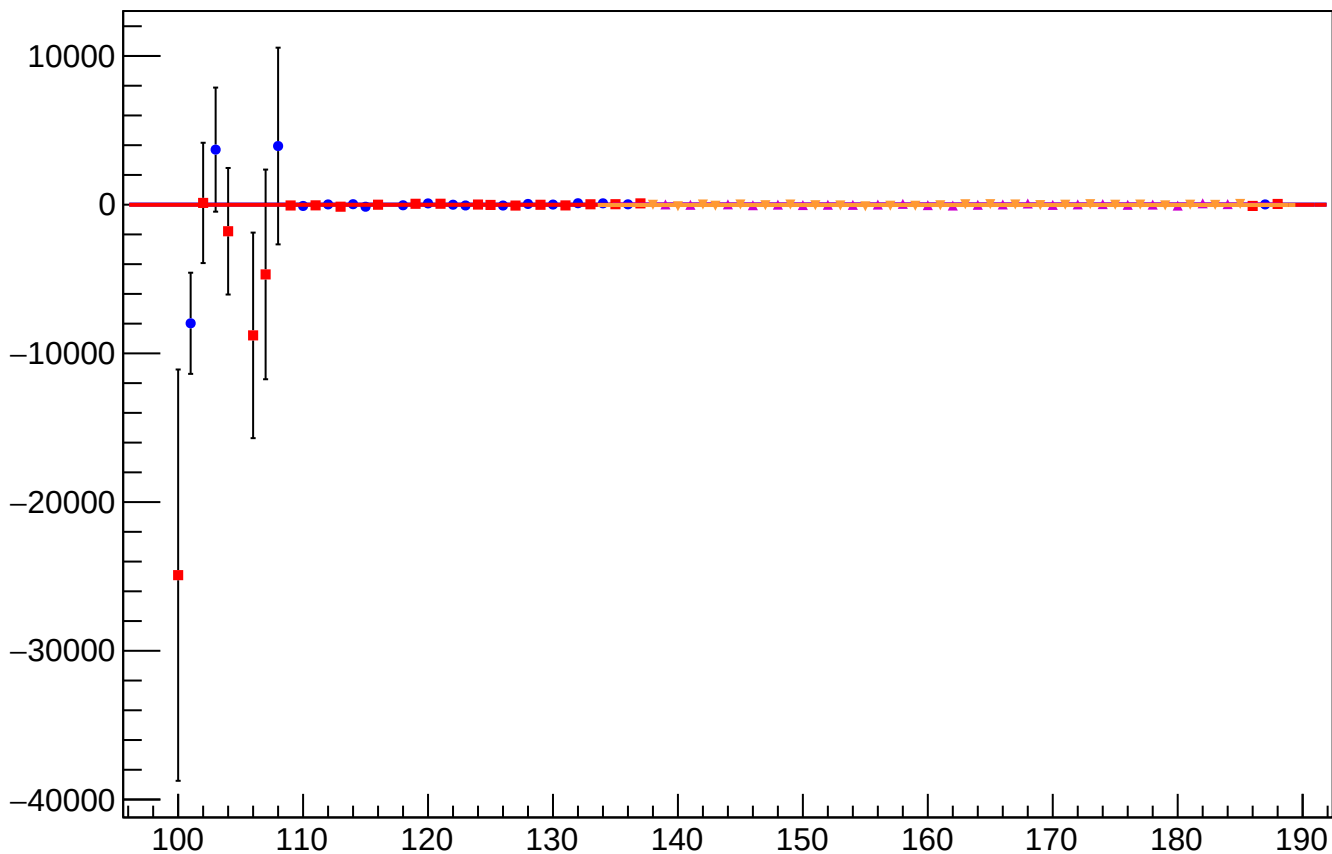
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF: 1391327.2/22

+ sign 200.141 $\pm$ 0.030 χ^2 /NDF: 5459496.0/42

All: 192.497 $\pm$ 0.021 χ^2 /NDF: 11487121.3/86

- sign 185.859 $\pm$ 0.028 χ^2 /NDF: 5907989.9/43

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 7.237 $\pm$ 14.888 χ^2 /NDF: 20.2/17

Left Out: -23.360 $\pm$ 8.064 χ^2 /NDF:25.8/24

Right Out: -6.880 $\pm$ 13.533 χ^2 /NDF: 25.5/20

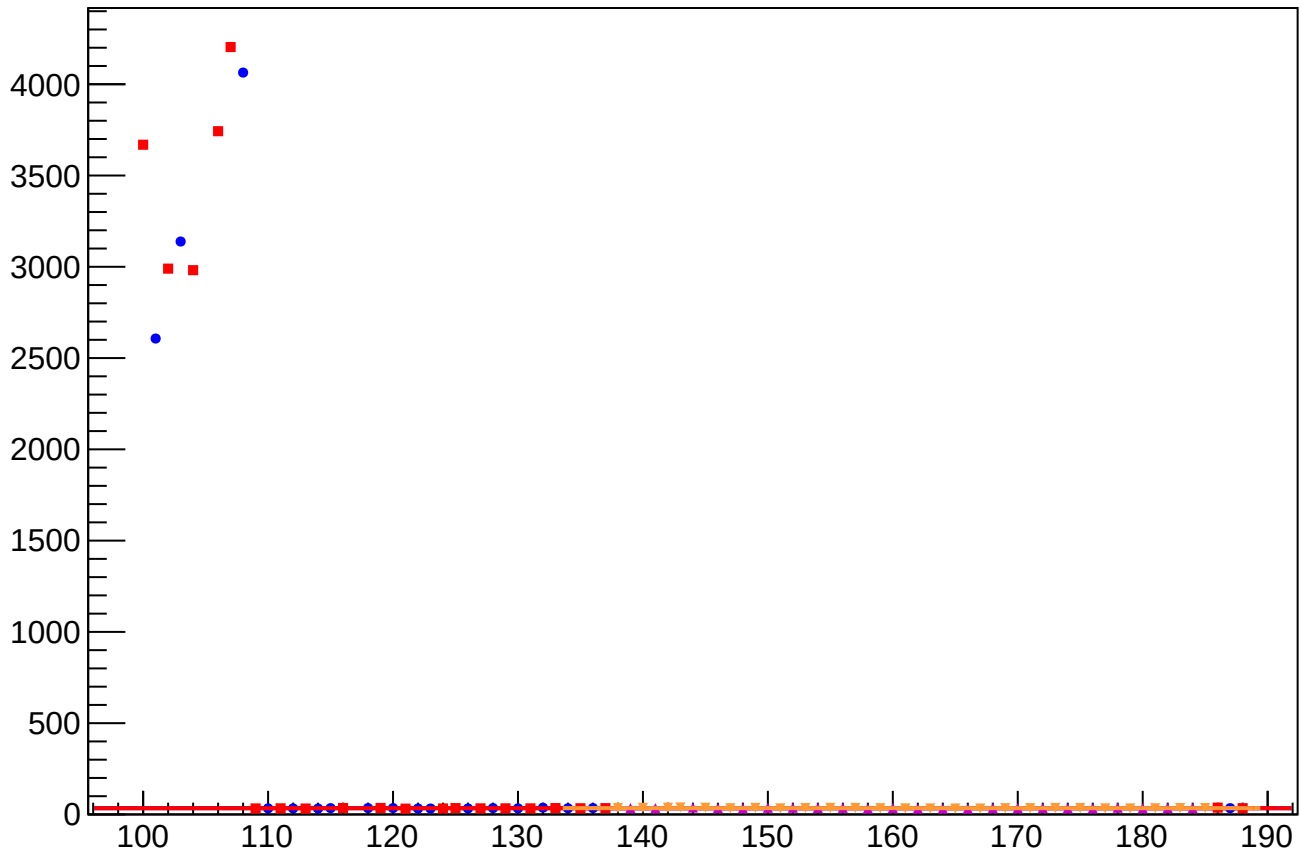
Left In: 6.001 $\pm$ 8.309 χ^2 /NDF:21.1/22

+ sign -16.419 $\pm$ 7.091 χ^2 /NDF: 49.3/42

All: -6.958 $\pm$ 5.010 χ^2 /NDF: 100.1/86

- sign 2.474 $\pm$ 7.081 χ^2 /NDF: 47.3/43

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.206 $\pm$ 0.011 χ^2 /NDF: 3006478.2/17

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 34.164 $\pm$ 0.010 χ^2 /NDF: 3458088.5/20

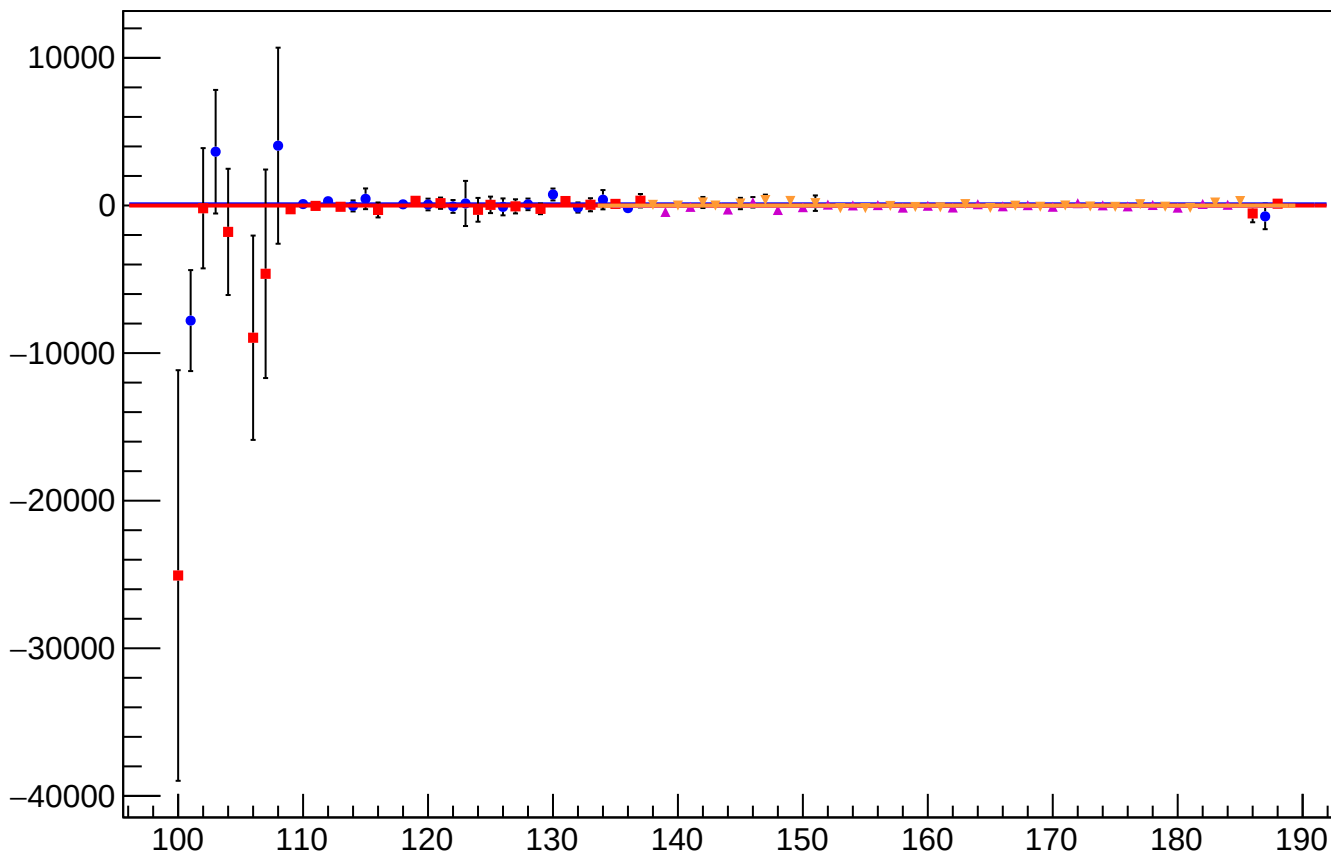
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.522 $\pm$ 0.005 χ^2 /NDF: 3065587.4/42

All: 34.532 $\pm$ 0.004 χ^2 /NDF: 6586156.6/86

- sign 34.542 $\pm$ 0.005 χ^2 /NDF: 3520560.8/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 78.432 $\pm$ 88.594 χ^2 /NDF: 13.4/17

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: -3.701 $\pm$ 77.221 χ^2 /NDF: 12.1/20

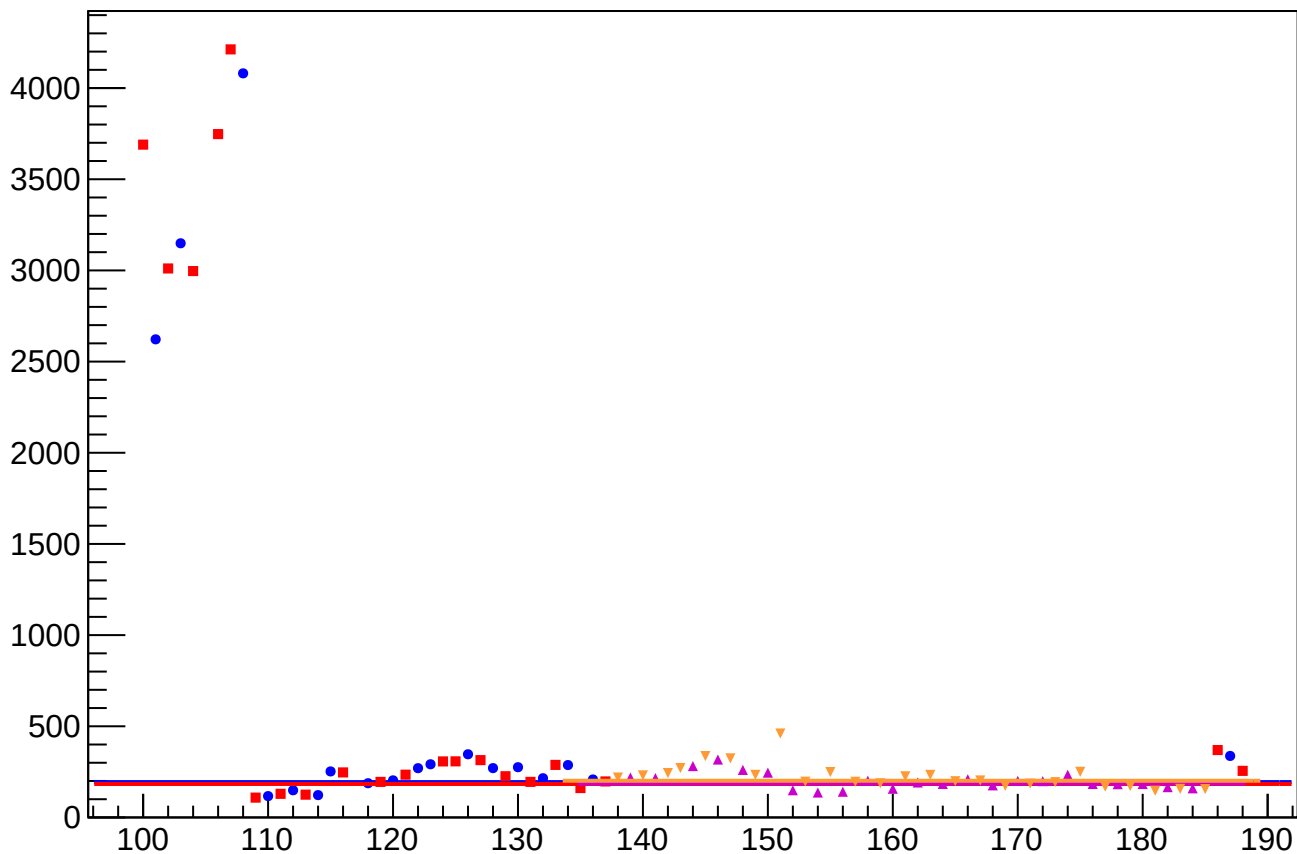
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign 11.299 $\pm$ 42.620 χ^2 /NDF: 22.8/42

All: -8.713 $\pm$ 29.052 χ^2 /NDF: 42.8/86

- sign -26.083 $\pm$ 39.707 χ^2 /NDF: 19.7/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 193.926+/-0.063 χ^2/NDF : 3633025.9/17

Left Out: 201.296+/-0.034 χ^2/NDF : 1851134.1/24

Right Out: 183.614+/-0.055 χ^2/NDF : 4567817.5/20

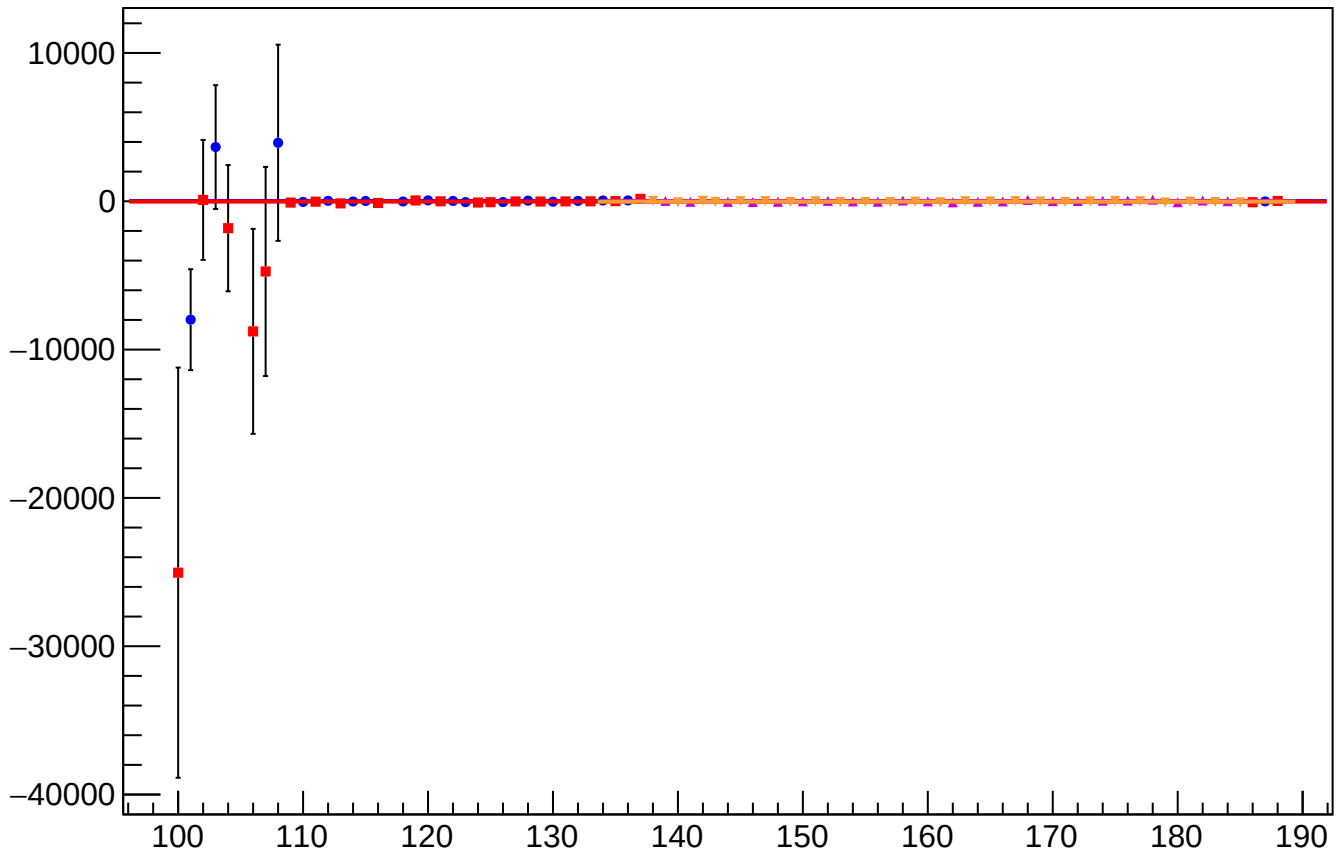
Left In: 185.854+/-0.033 χ^2/NDF : 1381771.9/22

+ sign 199.591+/-0.030 χ^2/NDF : 5494798.3/42

All: 191.920+/-0.021 χ^2/NDF : 11566646.3/86

- sign 185.262+/-0.028 χ^2/NDF : 5950826.7/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 11.701 $\pm$ 13.575 χ^2 /NDF: 14.6/17

Left Out: -22.879 $\pm$ 7.340 χ^2 /NDF:18.8/24

Right Out: -17.692 $\pm$ 12.338 χ^2 /NDF: 30.2/20

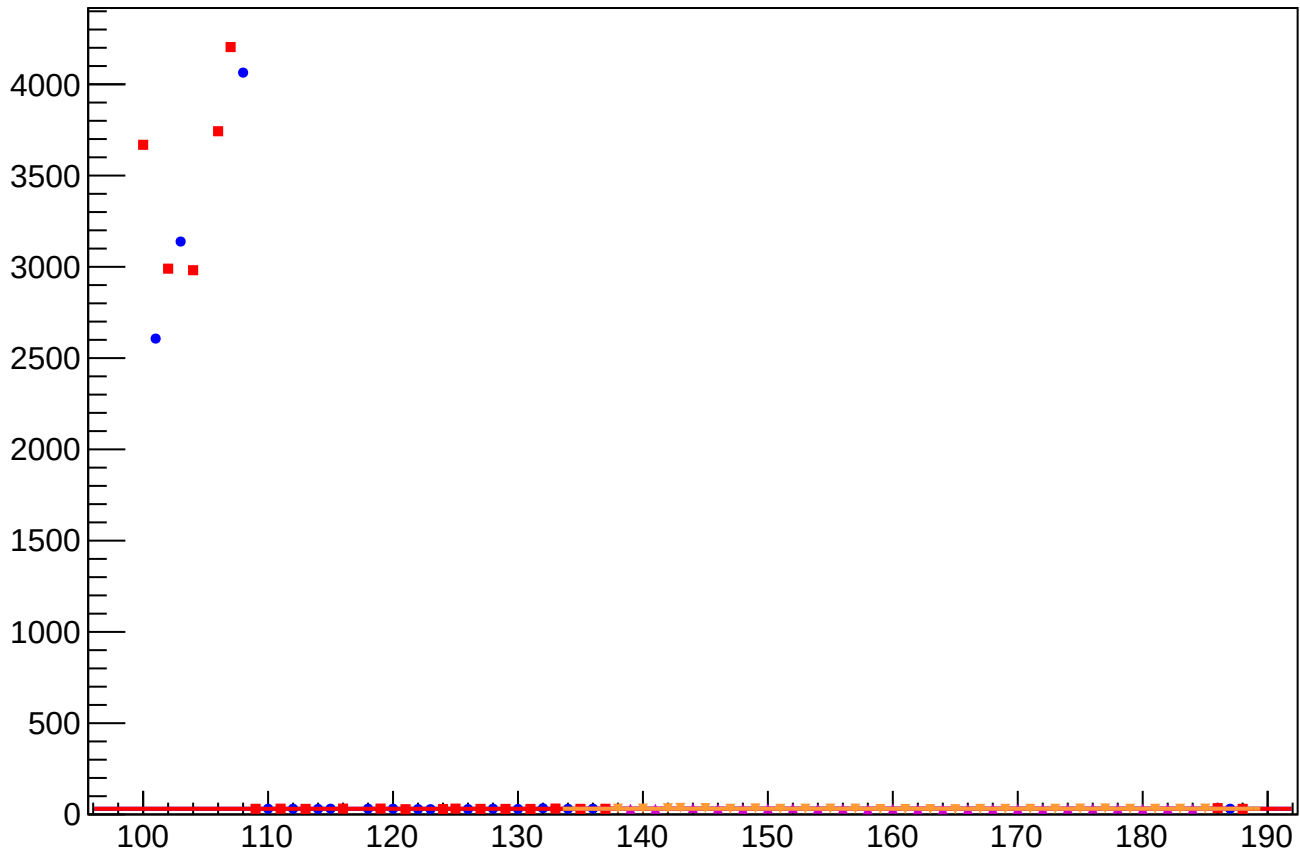
Left In: 5.943 $\pm$ 7.550 χ^2 /NDF:38.3/22

+ sign -15.056 $\pm$ 6.457 χ^2 /NDF: 38.4/42

All: -7.756 $\pm$ 4.560 χ^2 /NDF: 112.2/86

- sign -0.496 $\pm$ 6.440 χ^2 /NDF: 71.2/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.189 $\pm$ 0.010 χ^2 /NDF: 3014256.7/17

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 31.113 $\pm$ 0.009 χ^2 /NDF: 3467066.2/20

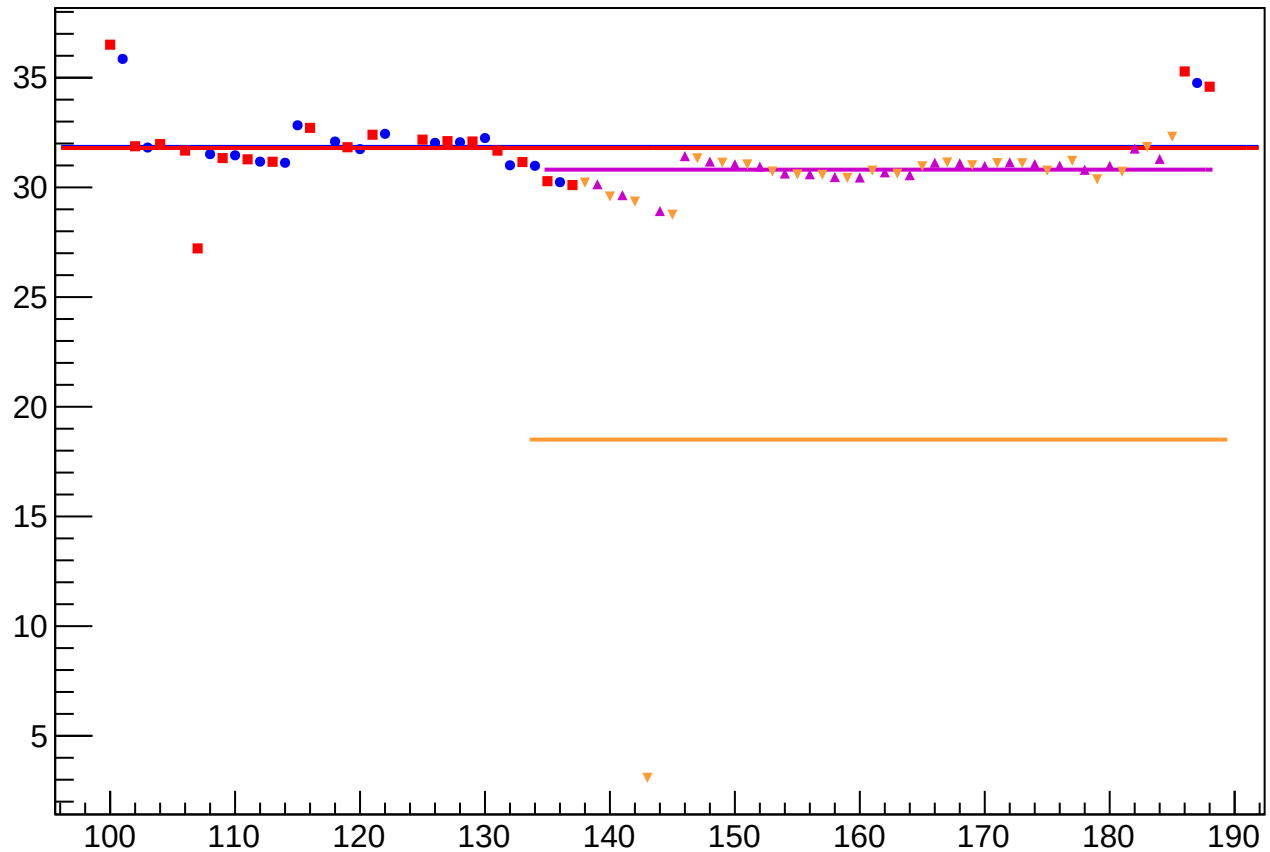
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.416 $\pm$ 0.005 χ^2 /NDF: 3097413.1/42

All: 31.399 $\pm$ 0.003 χ^2 /NDF: 6653806.1/86

- sign 31.383 $\pm$ 0.005 χ^2 /NDF: 3556367.9/43

yield_usl_mean vs Slug



Right In: 31.846 $\pm$ 0.000 χ^2 /NDF: 1619850218.9/16

Left Out: 18.505 $\pm$ 0.000 χ^2 /NDF: 940607632746.3/24

Right Out: 31.795 $\pm$ 0.000 χ^2 /NDF: 1463241005.0/19

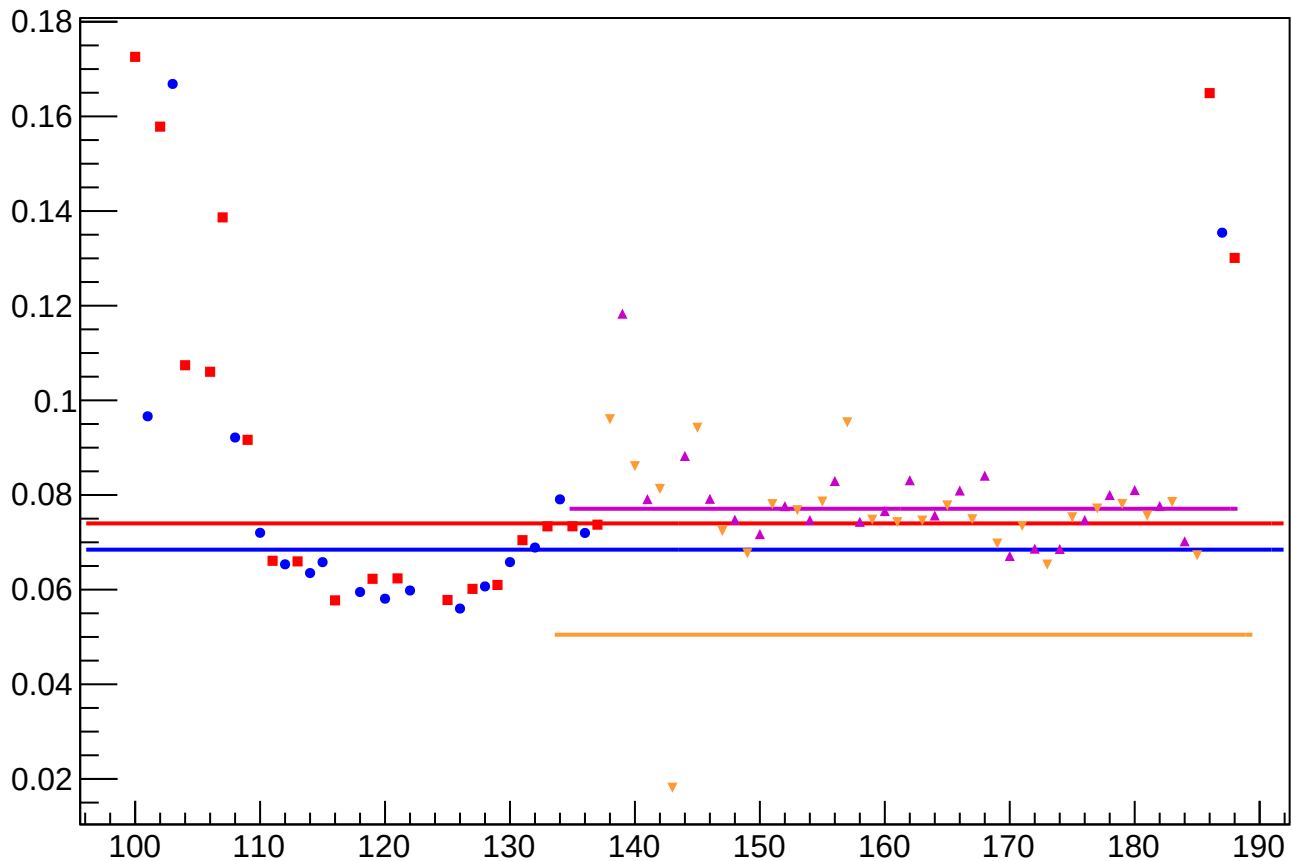
Left In: 30.809 $\pm$ 0.000 χ^2 /NDF: 821961762.3/22

+ sign 21.193 $\pm$ 0.000 χ^2 /NDF: 1120096734086.3/4

All: 25.034 $\pm$ 0.000 χ^2 /NDF: 1360136973772

- sign 31.124 $\pm$ 0.000 χ^2 /NDF: 3113280030.4/42

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 702466.0/16

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF:8543648.6/24

Right Out: 0.074 $\pm$ 0.000 χ^2 /NDF: 1420153.2/19

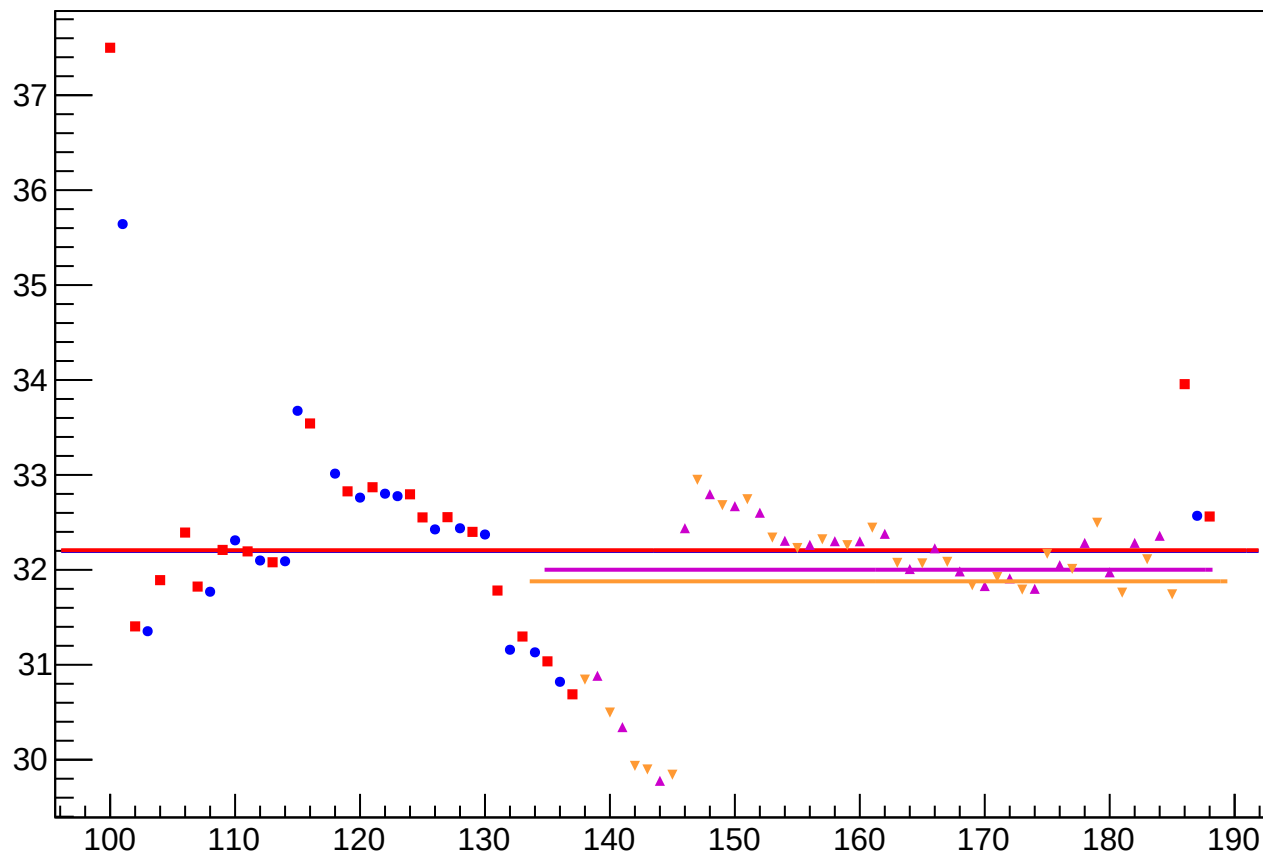
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 9891622.2/41

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 13979983.2/84

- sign 0.076 $\pm$ 0.000 χ^2 /NDF: 1762295.8/42

yield_usr_mean vs Slug



Right In: 32.198+/-0.000 χ^2 /NDF: 1003135840.5/17

Left Out: 31.879+/-0.000 χ^2 /NDF:1976281391.1/24

Right Out: 32.207+/-0.000 χ^2 /NDF: 493550441.4/20

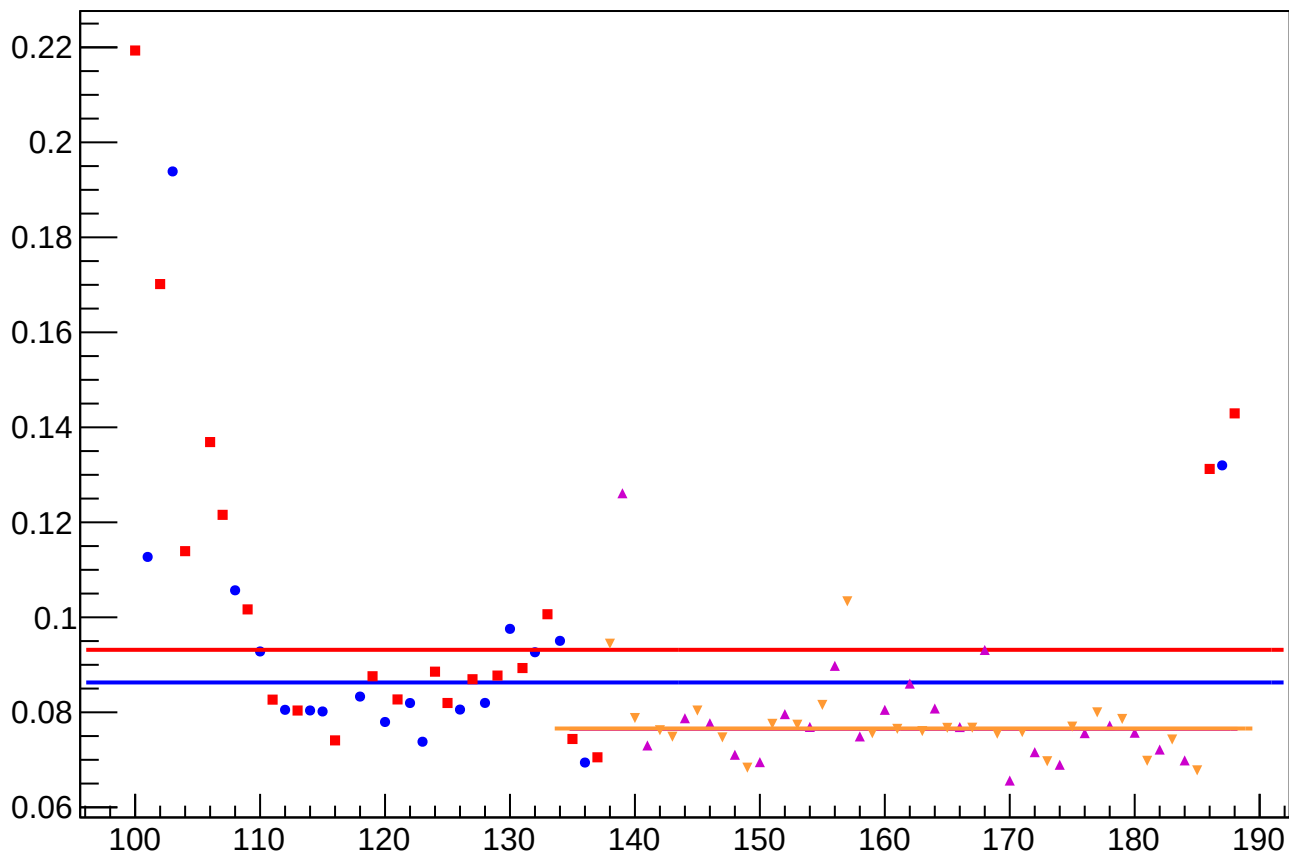
Left In: 32.001+/-0.000 χ^2 /NDF:1411110671.9/22

+ sign 31.948+/-0.000 χ^2 /NDF: 3042776748.3/42

All: 31.998+/-0.000 χ^2 /NDF: 4992493009.5/8

- sign 32.049+/-0.000 χ^2 /NDF: 1931394729.6/43

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 589025.8/17

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 209648.5/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 817581.8/20

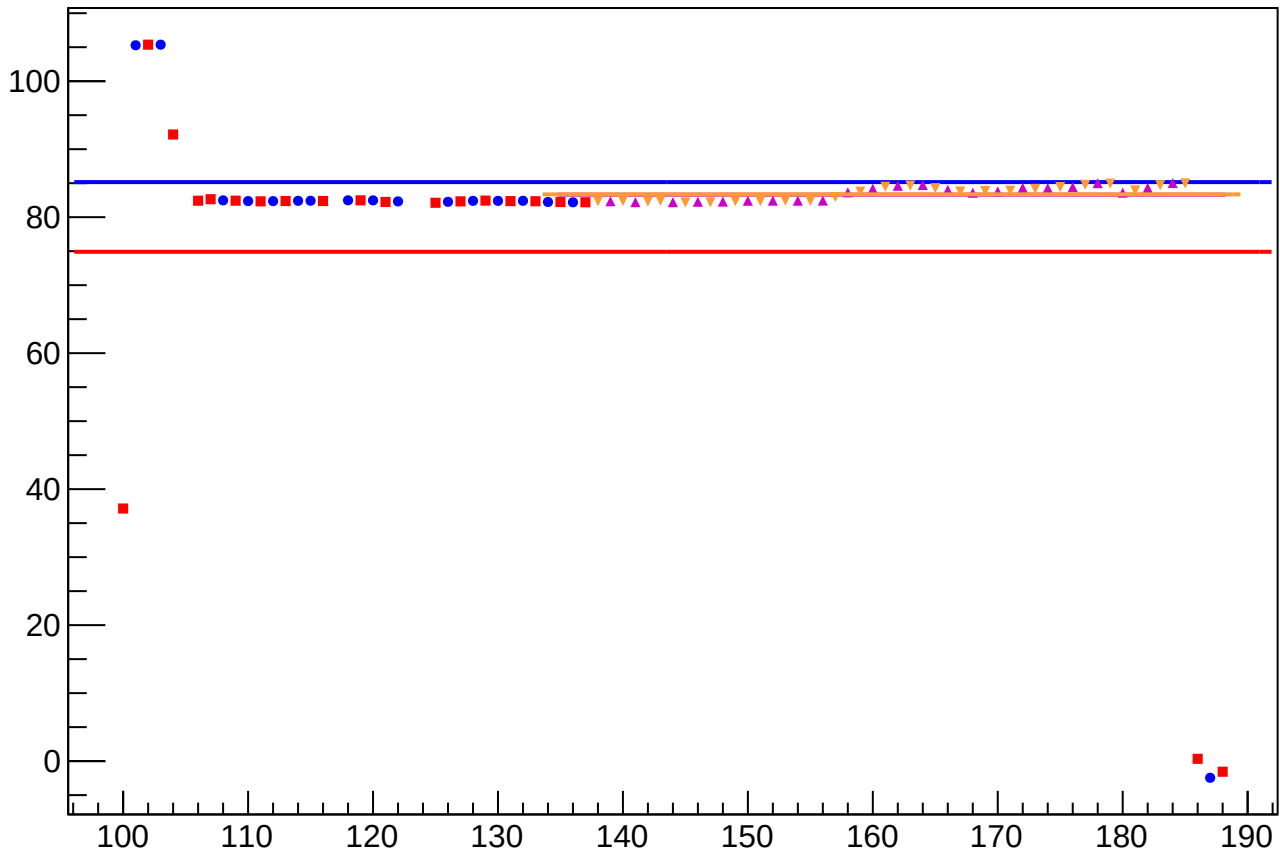
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF: 432563.3/22

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 915485.6/42

All: 0.080 $\pm$ 0.000 χ^2 /NDF: 2527739.1/86

- sign 0.080 $\pm$ 0.000 χ^2 /NDF: 1602272.4/43

yield_dsl_mean vs Slug



Right In: 85.158 $\pm$ 0.000 χ^2 /NDF: 728782478705.1/16

Left Out: 83.355 $\pm$ 0.000 χ^2 /NDF: 9142393022.8/24

Right Out: 74.911 $\pm$ 0.000 χ^2 /NDF: 3519887576804.1/19

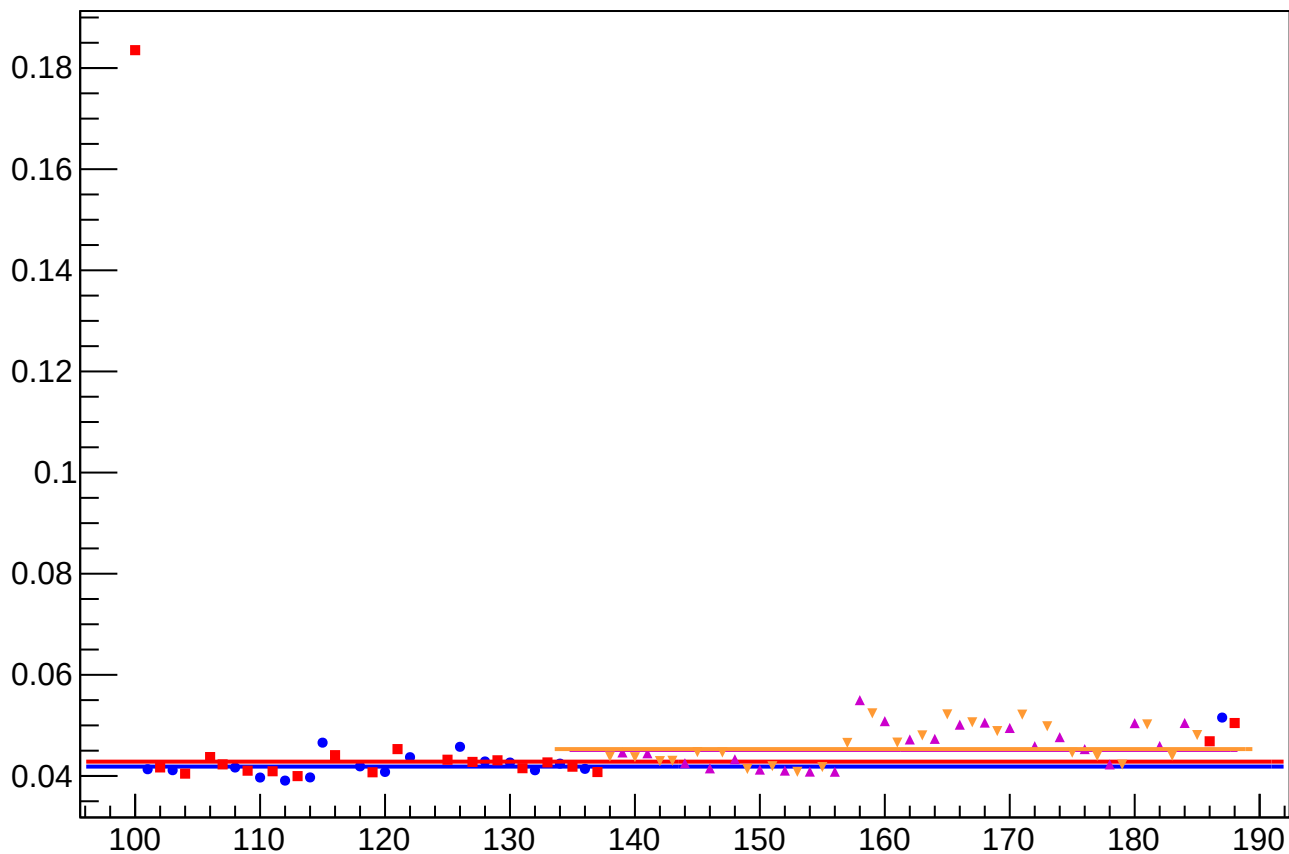
Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22

+ sign 83.904 $\pm$ 0.000 χ^2 /NDF: 746554302492.7/41

All: 82.138 $\pm$ 0.000 χ^2 /NDF: 4555473580098

- sign 80.401 $\pm$ 0.000 χ^2 /NDF: 3731460008570.2/41

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 30157.5/16

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:211358.2/24

Right Out: 0.043 $\pm$ 0.000 χ^2 /NDF: 148122.1/19

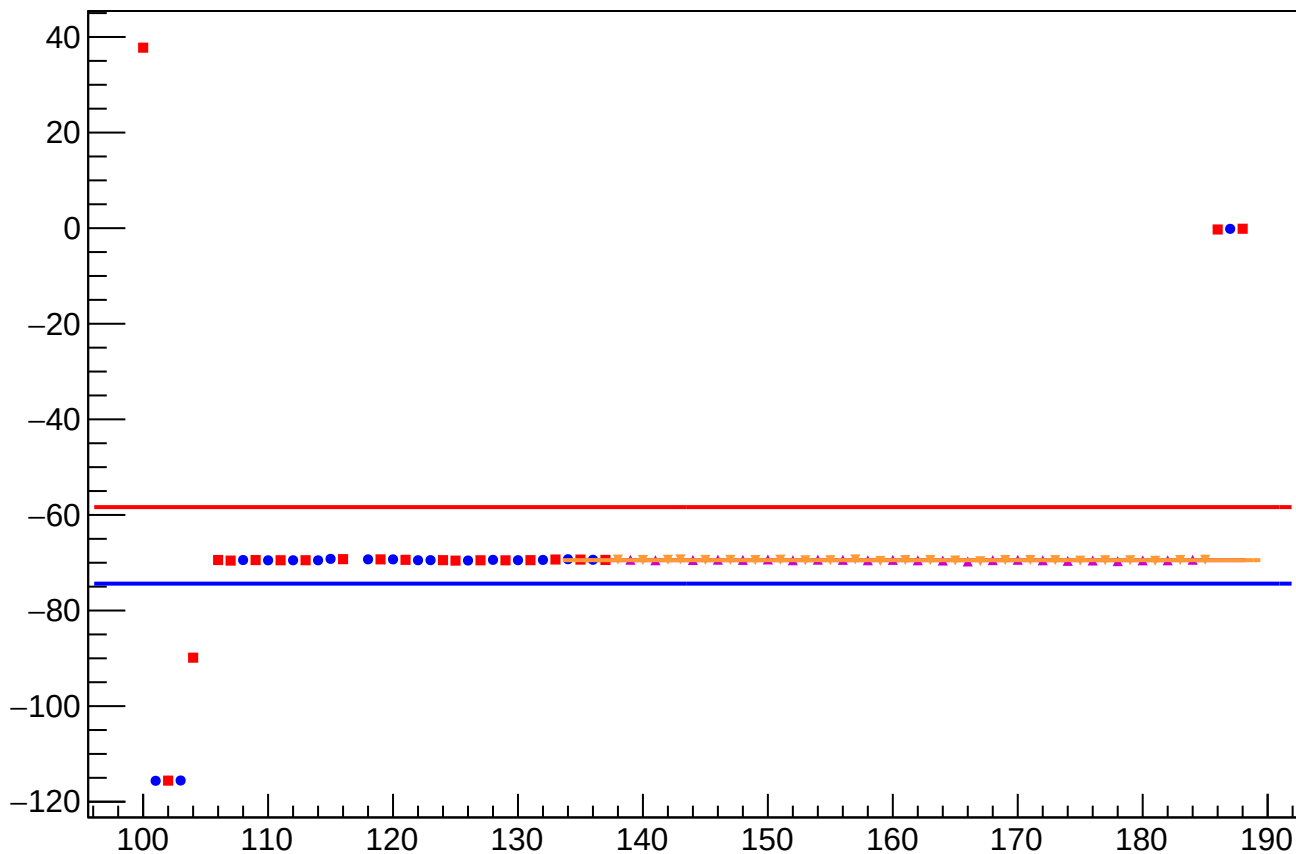
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 305046.3/41

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 726869.0/84

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 421735.0/42

yield_dsr_mean vs Slug



Right In: -74.372 ± 0.000 χ^2/NDF : 965769291800.4/17

Left Out: -69.461 ± 0.000 χ^2/NDF : 49572401.9/24

Right Out: -58.360 ± 0.000 χ^2/NDF : 2829252714468.4/20

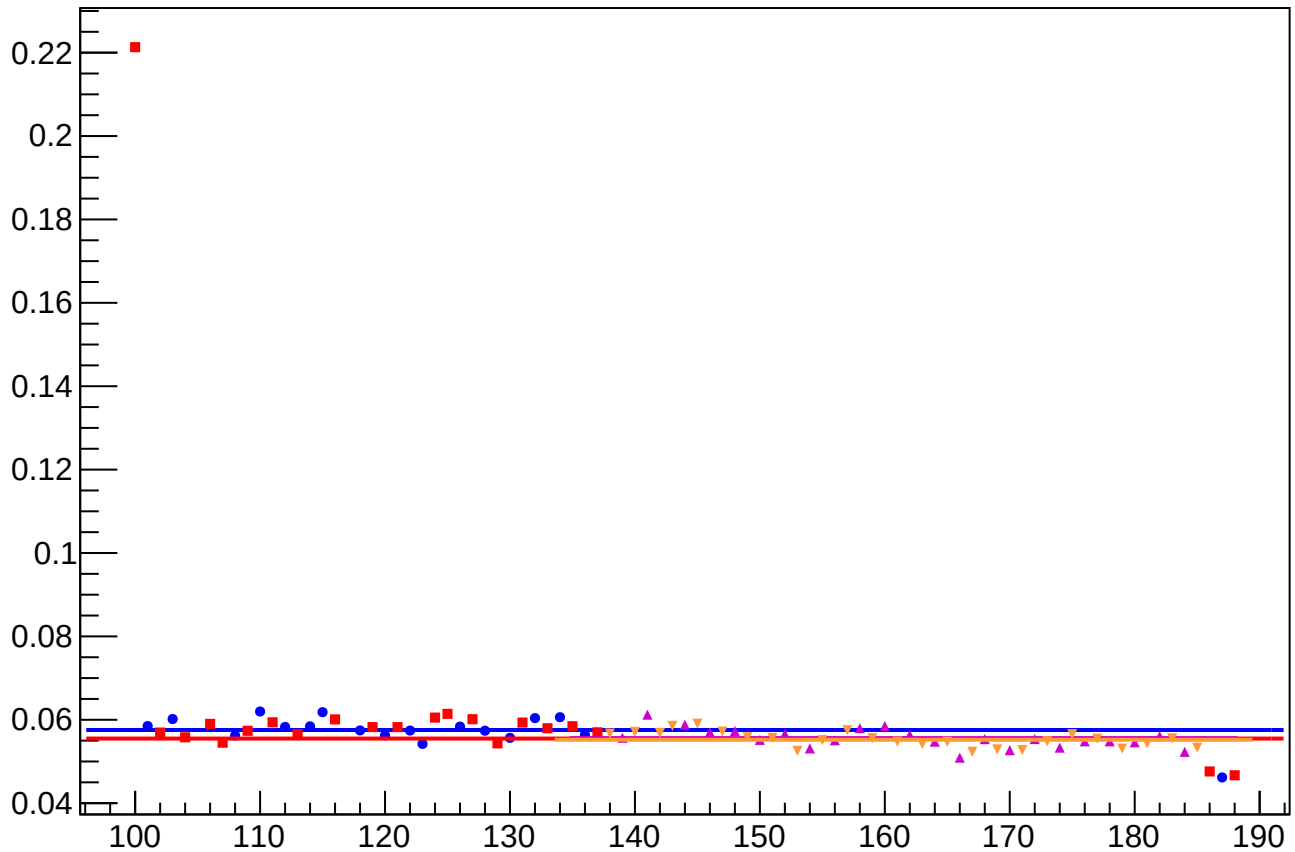
Left In: -69.458 ± 0.000 χ^2/NDF : 52798704.3/22

+ sign -70.706 ± 0.000 χ^2/NDF : 1001445619180.3/17

All: -68.248 ± 0.000 χ^2/NDF : 414086114719.4/17

- sign -65.866 ± 0.000 χ^2/NDF : 3046546939353.8/17

yield_dsr_rms vs Slug



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 31168.7/17

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 193703.1/20

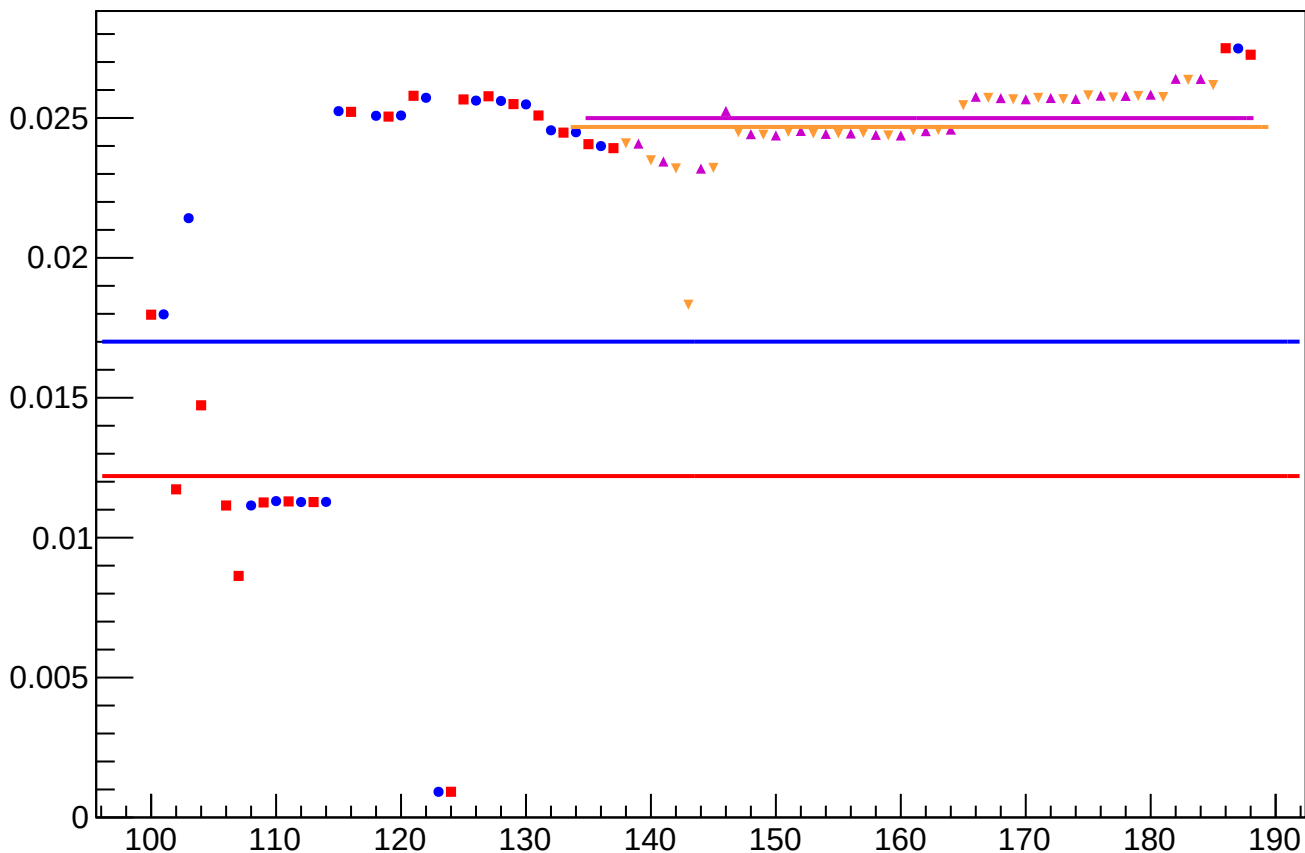
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.056 $\pm$ 0.000 χ^2 /NDF: 86190.1/42

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 332573.5/86

- sign 0.056 $\pm$ 0.000 χ^2 /NDF: 245924.7/43

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 127816598265.5/17

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 268122670082.6/20

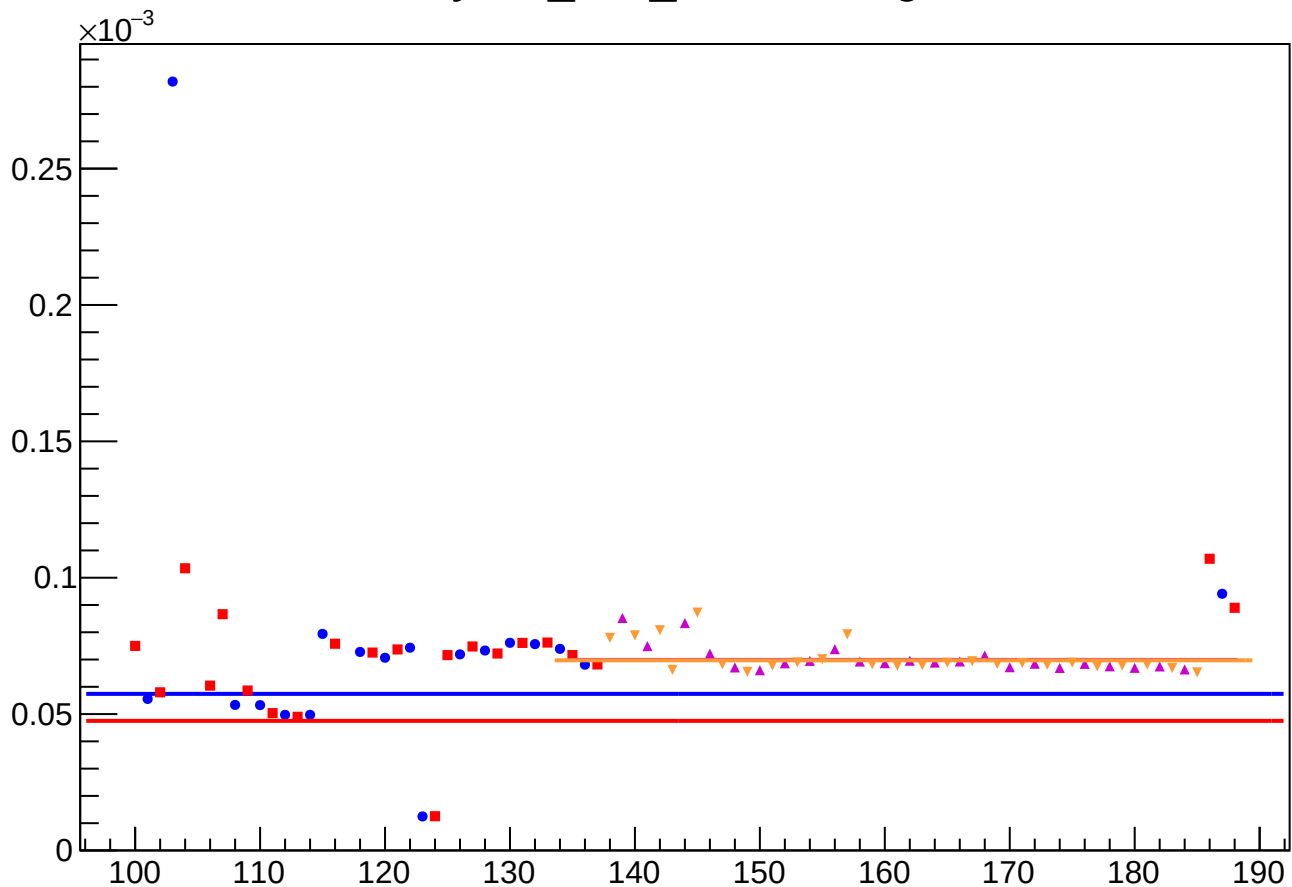
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 205918557031.7/42

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 737733017752.4

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 511892187025.0/43

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2042248.4/17

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4235985.0/20

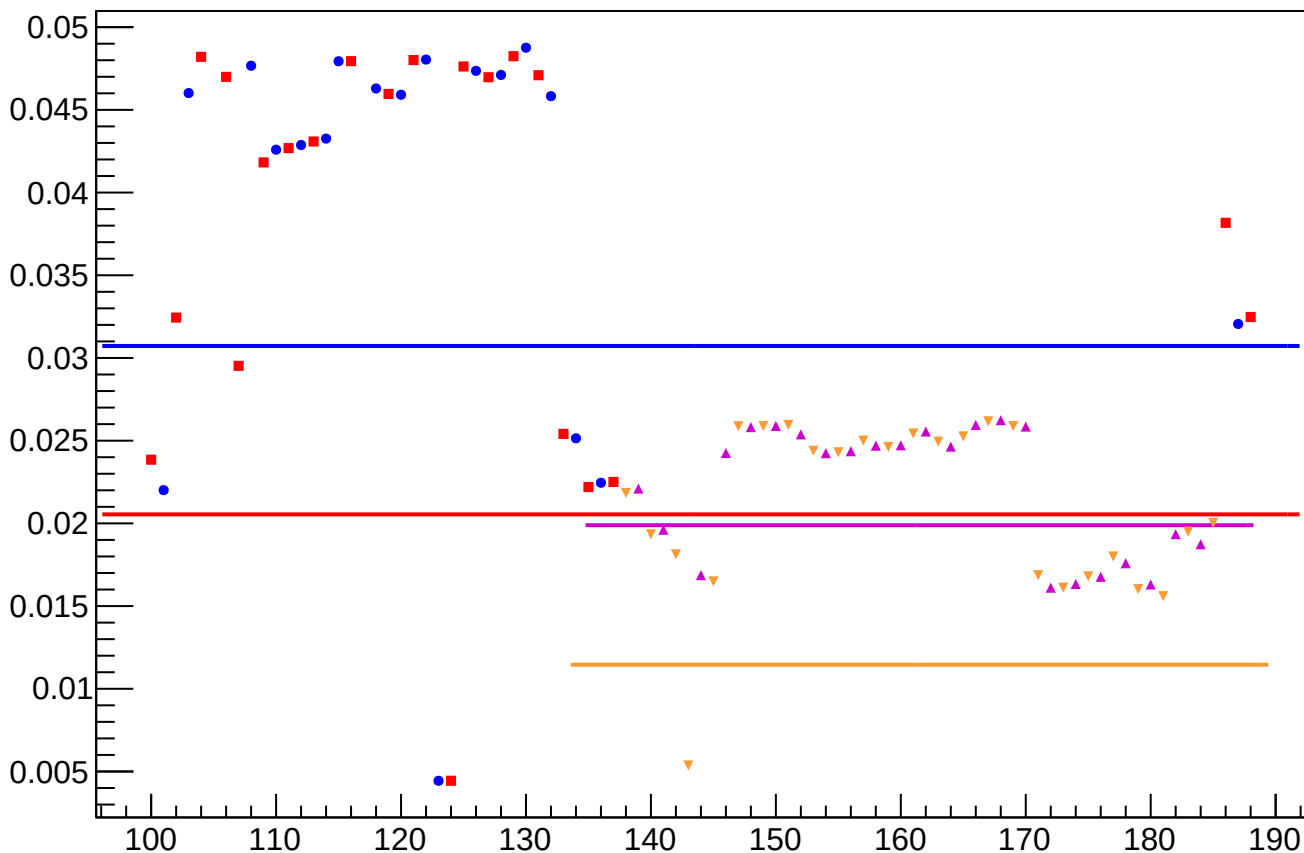
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 2552357.3/42

All: 0.000+/-0.000 χ^2/NDF : 8553054.4/86

- sign 0.000+/-0.000 χ^2/NDF : 5836340.7/43

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21083230817.1/17

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.021+/-0.000 χ^2/NDF : 40694182430.2/20

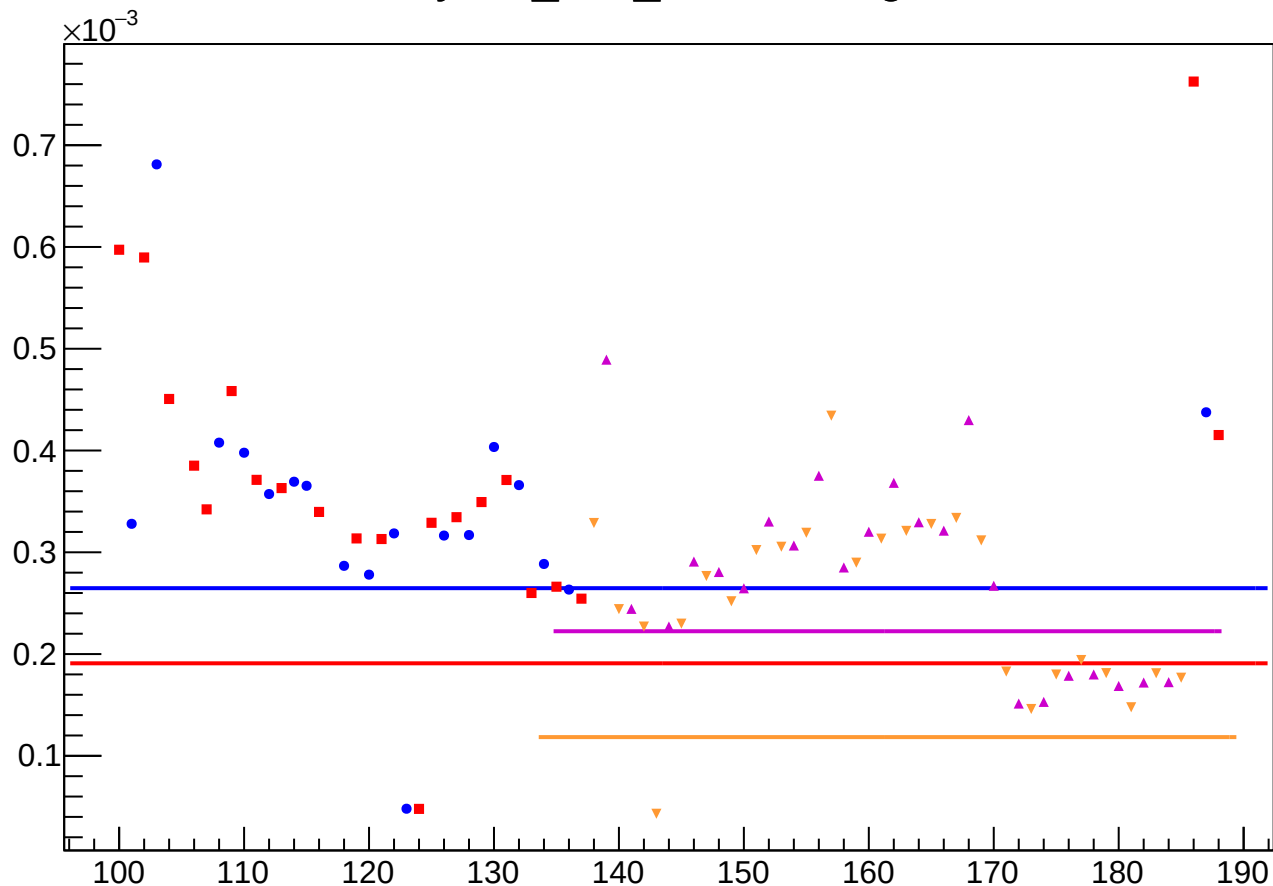
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 85509468493.1/42

All: 0.016+/-0.000 χ^2/NDF : 143564306026.1

- sign 0.020+/-0.000 χ^2/NDF : 45189938510.9/43

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2438660.0/17

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6279911.2/20

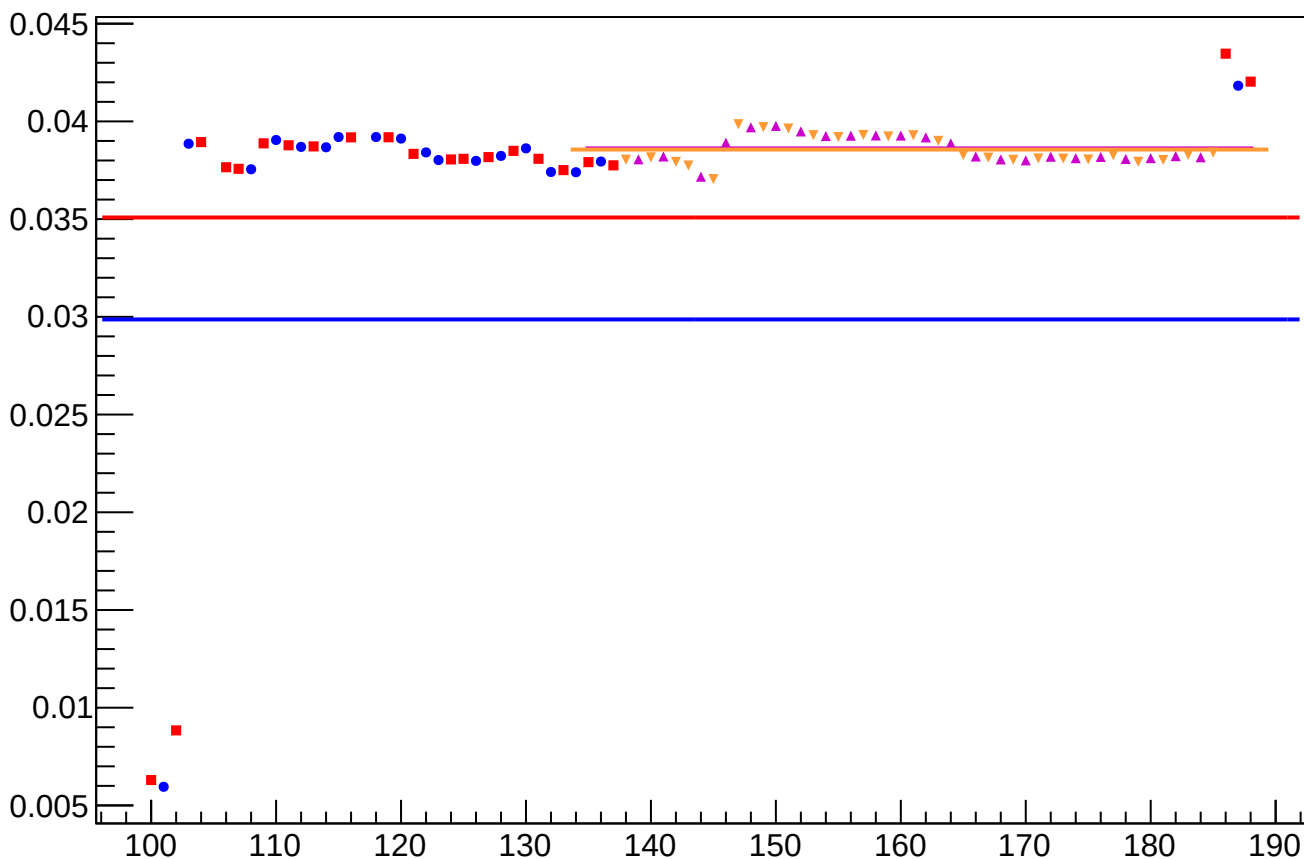
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 18784671.7/42

All: 0.000+/-0.000 χ^2/NDF : 32120921.3/86

- sign 0.000+/-0.000 χ^2/NDF : 9732602.1/43

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2/NDF : 97408977874.3/17

Left Out: 0.039 $\pm$ 0.000 χ^2/NDF : 539468437.3/24

Right Out: 0.035 $\pm$ 0.000 χ^2/NDF : 45383618199.8/20

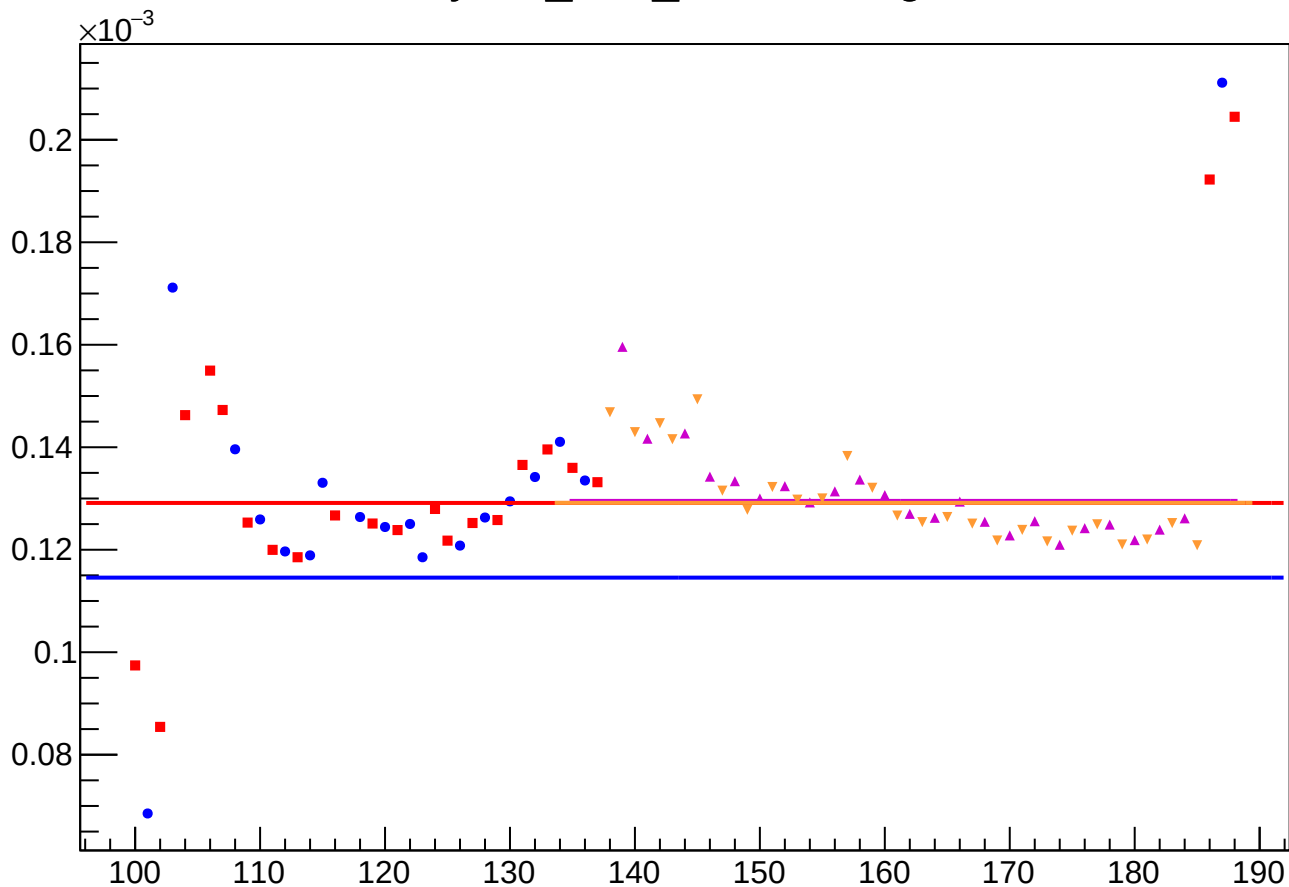
Left In: 0.039 $\pm$ 0.000 χ^2/NDF : 465745982.6/22

+ sign 0.036 $\pm$ 0.000 χ^2/NDF : 122873773286.4/42

All: 0.037 $\pm$ 0.000 χ^2/NDF : 174661542431.6

- sign 0.038 $\pm$ 0.000 χ^2/NDF : 49824160579.0/43

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 854295.2/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 585839.4/20

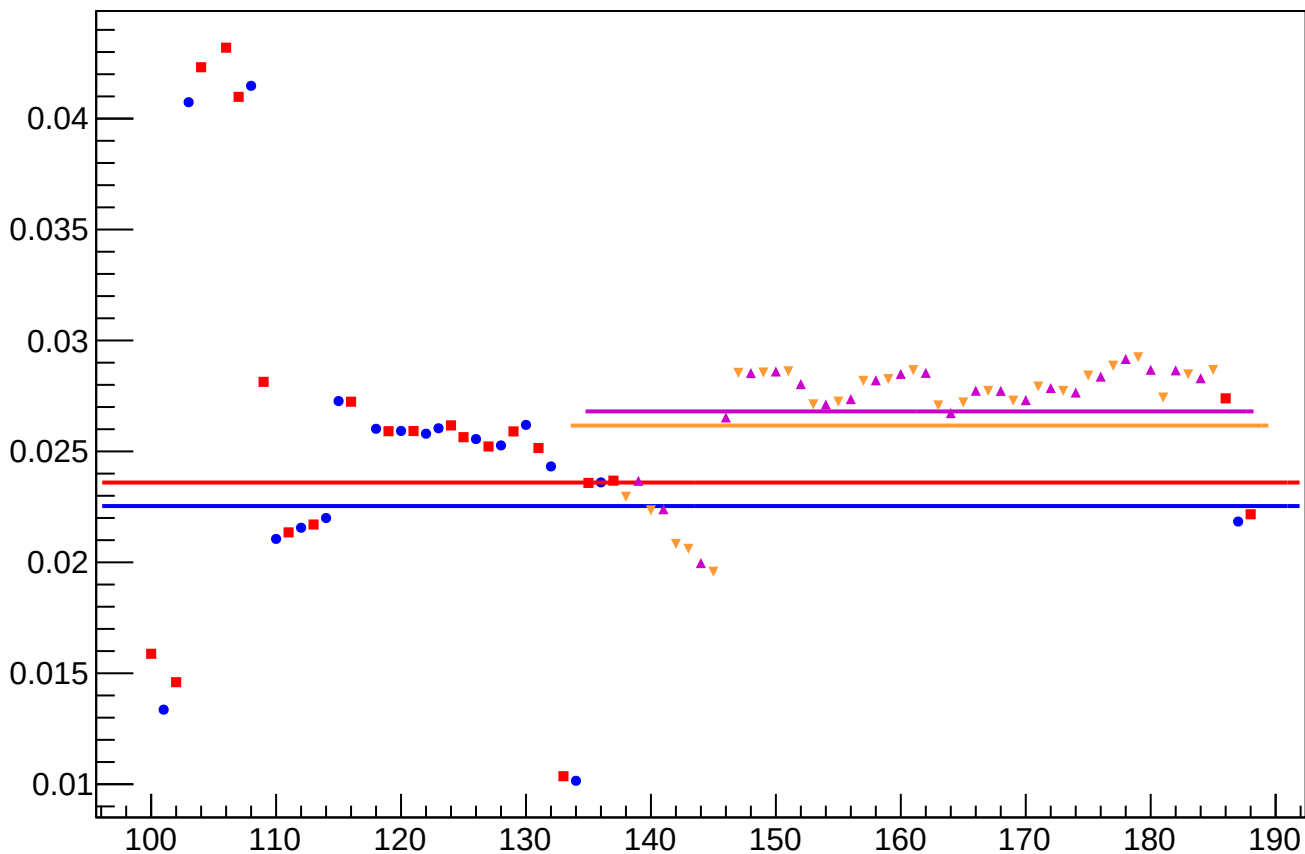
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1125059.7/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 1859418.0/86

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 700702.8/43

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4236594109.3/17

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.024+/-0.000 χ^2/NDF : 5679700212.9/20

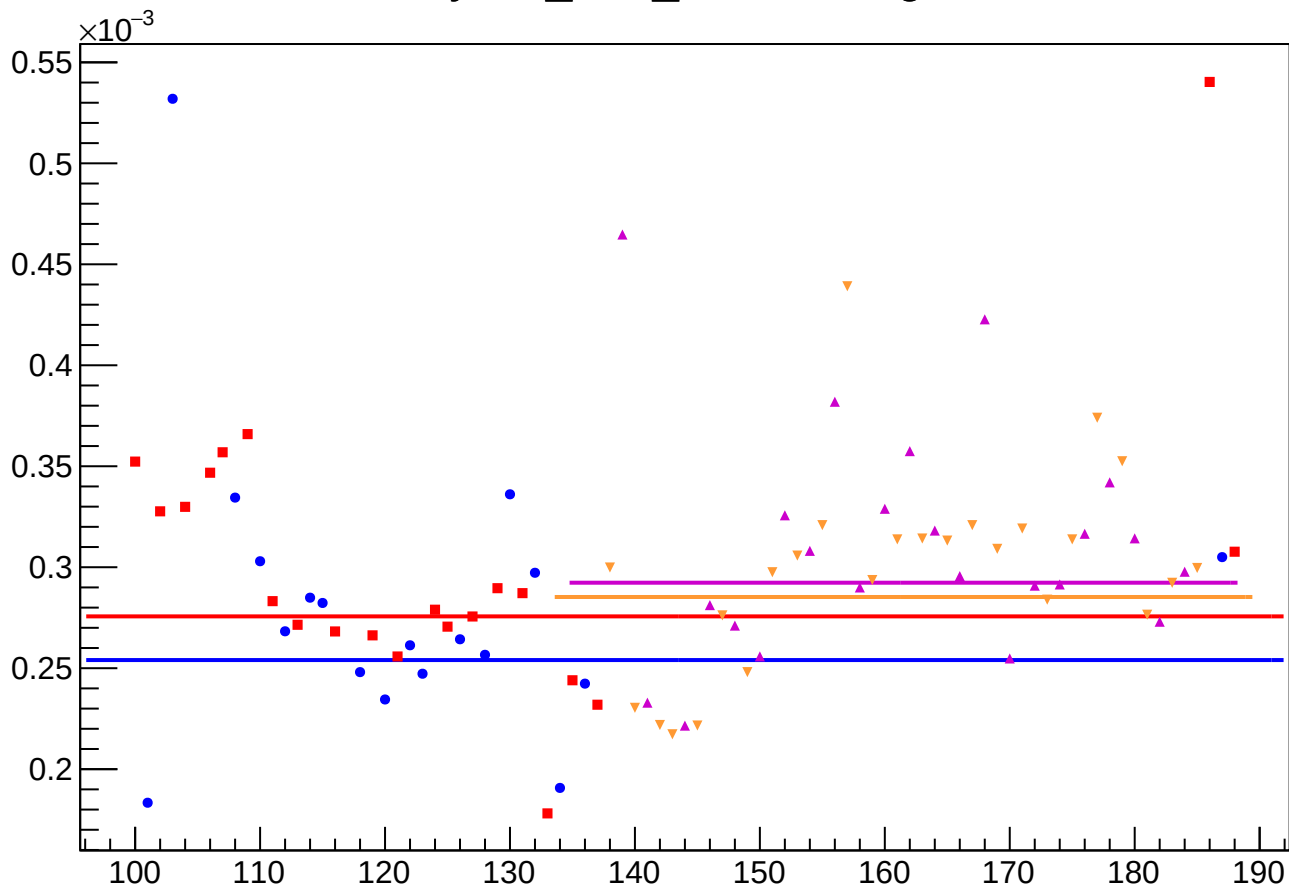
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7121059393.4/42

All: 0.025+/-0.000 χ^2/NDF : 14842160218.6/8

- sign 0.026+/-0.000 χ^2/NDF : 7653807064.8/43

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 634313.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 813464.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 631795.5/20

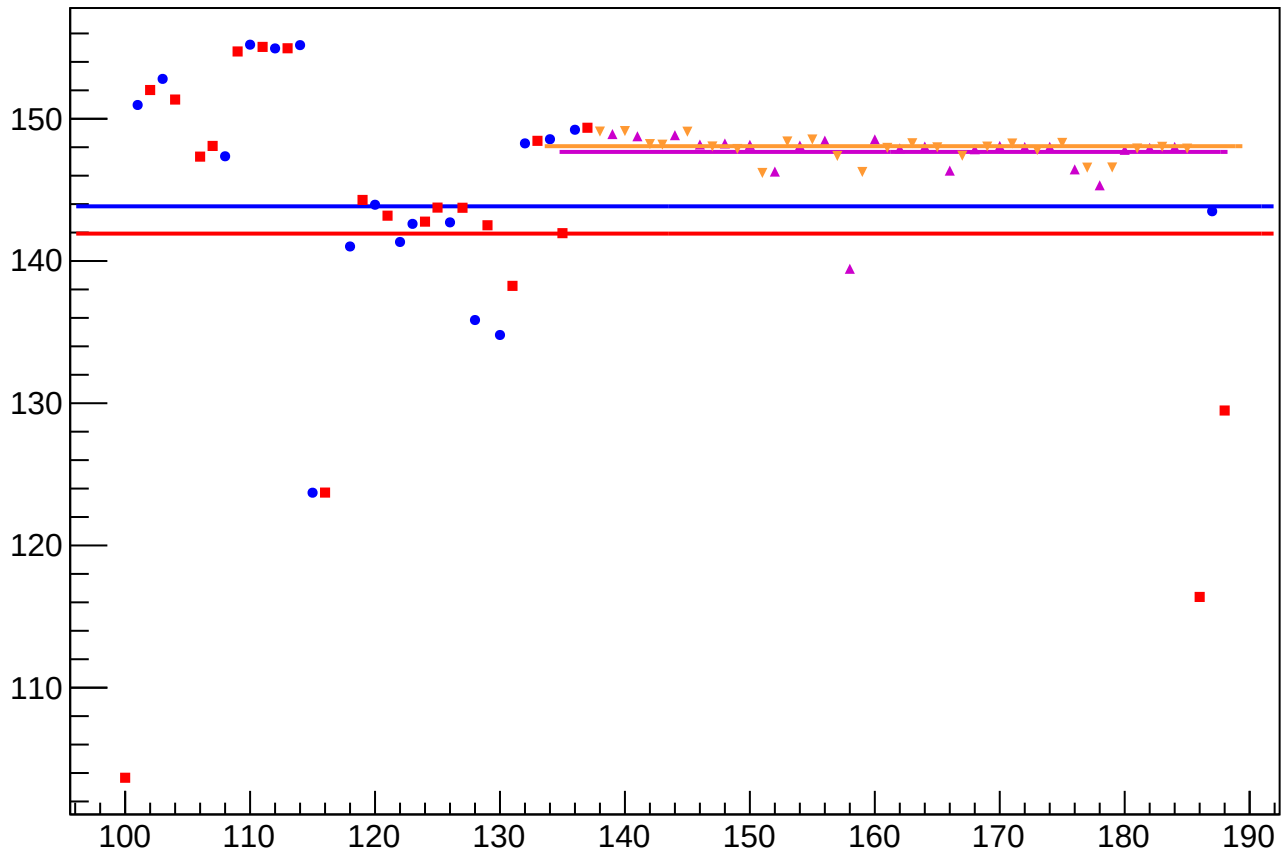
Left In: 0.000+/-0.000 χ^2/NDF : 898772.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 1570456.9/42

All: 0.000+/-0.000 χ^2/NDF : 3171524.4/86

- sign 0.000+/-0.000 χ^2/NDF : 1565317.7/43

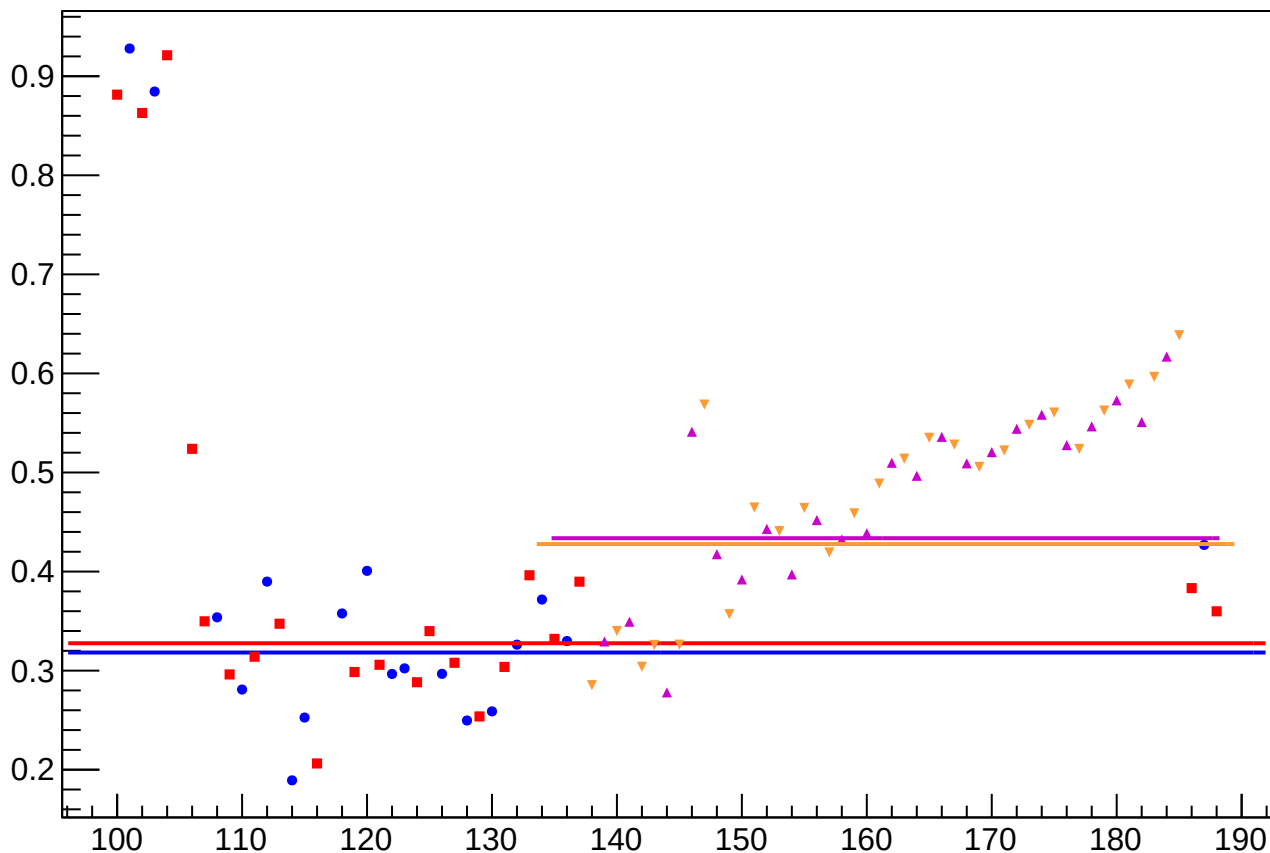
yield_bcm_an_ds_mean vs Slug



Right In: 143.844 $\pm$ 0.000 χ^2 /NDF: 3450901370.2/17
 Left Out: 148.073 $\pm$ 0.000 χ^2 /NDF: 65614067.4/24
 Right Out: 141.927 $\pm$ 0.000 χ^2 /NDF: 7196658352.4/20
 Left In: 147.670 $\pm$ 0.000 χ^2 /NDF: 345222604.4/22

+ sign 146.482 $\pm$ 0.000 χ^2 /NDF: 4140603273.7/42
 All: 145.831 $\pm$ 0.000 χ^2 /NDF: 13037363905.
 - sign 145.194 $\pm$ 0.000 χ^2 /NDF: 8771871013.8/43

yield_bcm_an_ds_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1278758.6/17

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.328 ± 0.000 χ^2/NDF : 1249917.3/20

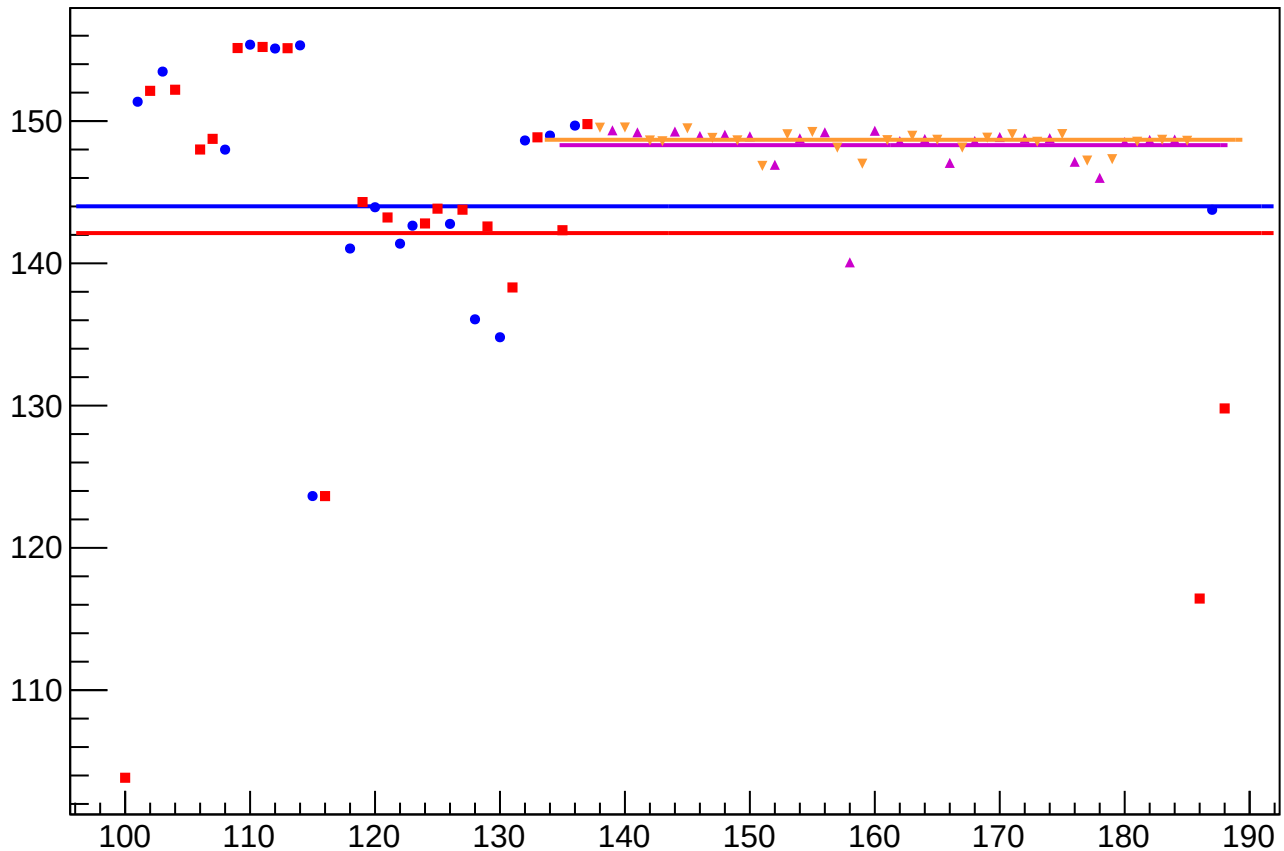
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.387 ± 0.000 χ^2/NDF : 4011738.2/42

All: 0.387 ± 0.000 χ^2/NDF : 7596786.4/86

- sign 0.388 ± 0.000 χ^2/NDF : 3584762.8/43

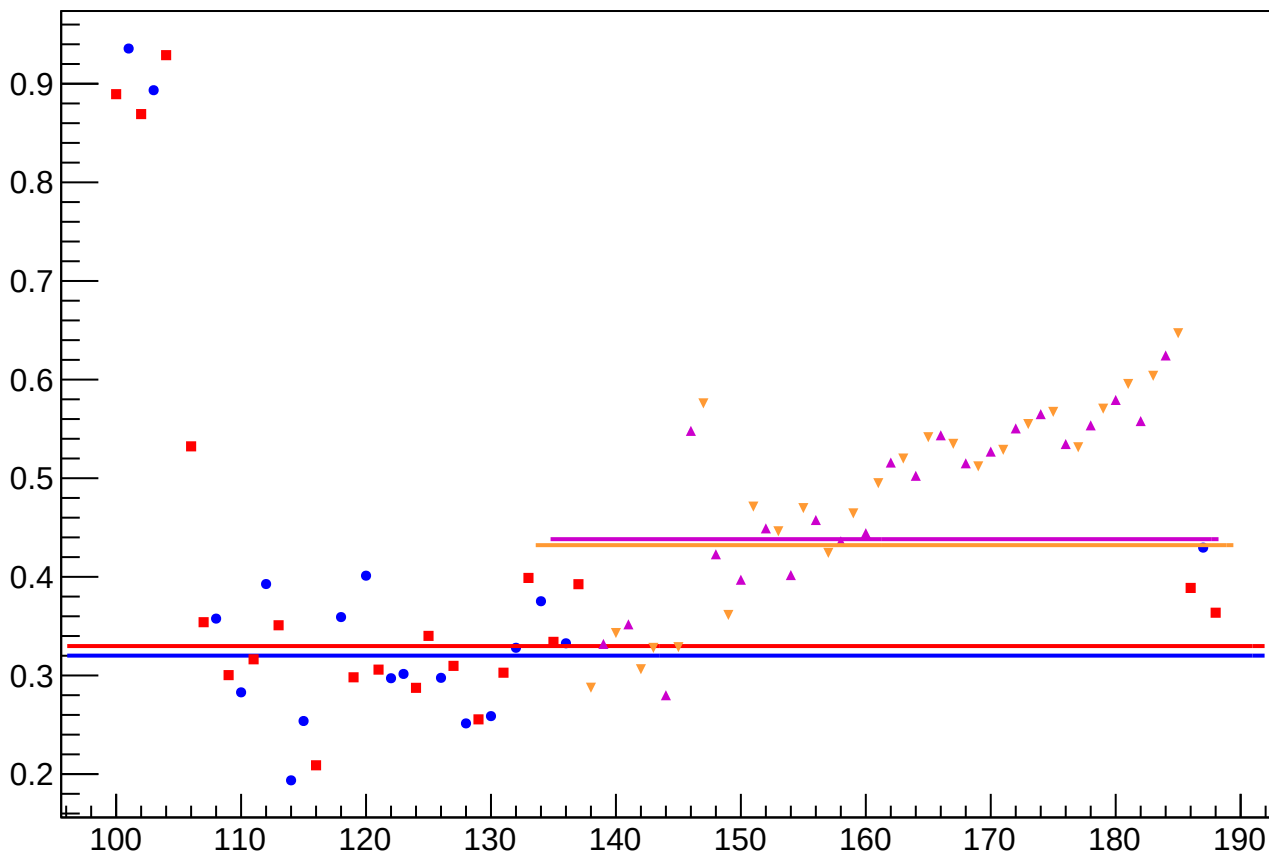
yield_bcm_an_ds3_mean vs Slug



Right In: 144.009 $\pm$ 0.000 χ^2 /NDF: 3495334786.9/17
 Left Out: 148.686 $\pm$ 0.000 χ^2 /NDF: 52218185.1/24
 Right Out: 142.127 $\pm$ 0.000 χ^2 /NDF: 7139933054.0/20
 Left In: 148.307 $\pm$ 0.000 χ^2 /NDF: 333585558.2/22

+ sign 146.916 $\pm$ 0.000 χ^2 /NDF: 4299468208.4/42
 All: 146.266 $\pm$ 0.000 χ^2 /NDF: 13295374518.
 - sign 145.630 $\pm$ 0.000 χ^2 /NDF: 8873716476.0/43

yield_bcm_an_ds3_rms vs Slug



Right In: 0.320 ± 0.000 χ^2/NDF : 1280604.8/17

Left Out: 0.432 ± 0.000 χ^2/NDF : 1929031.5/24

Right Out: 0.330 ± 0.000 χ^2/NDF : 1255047.3/20

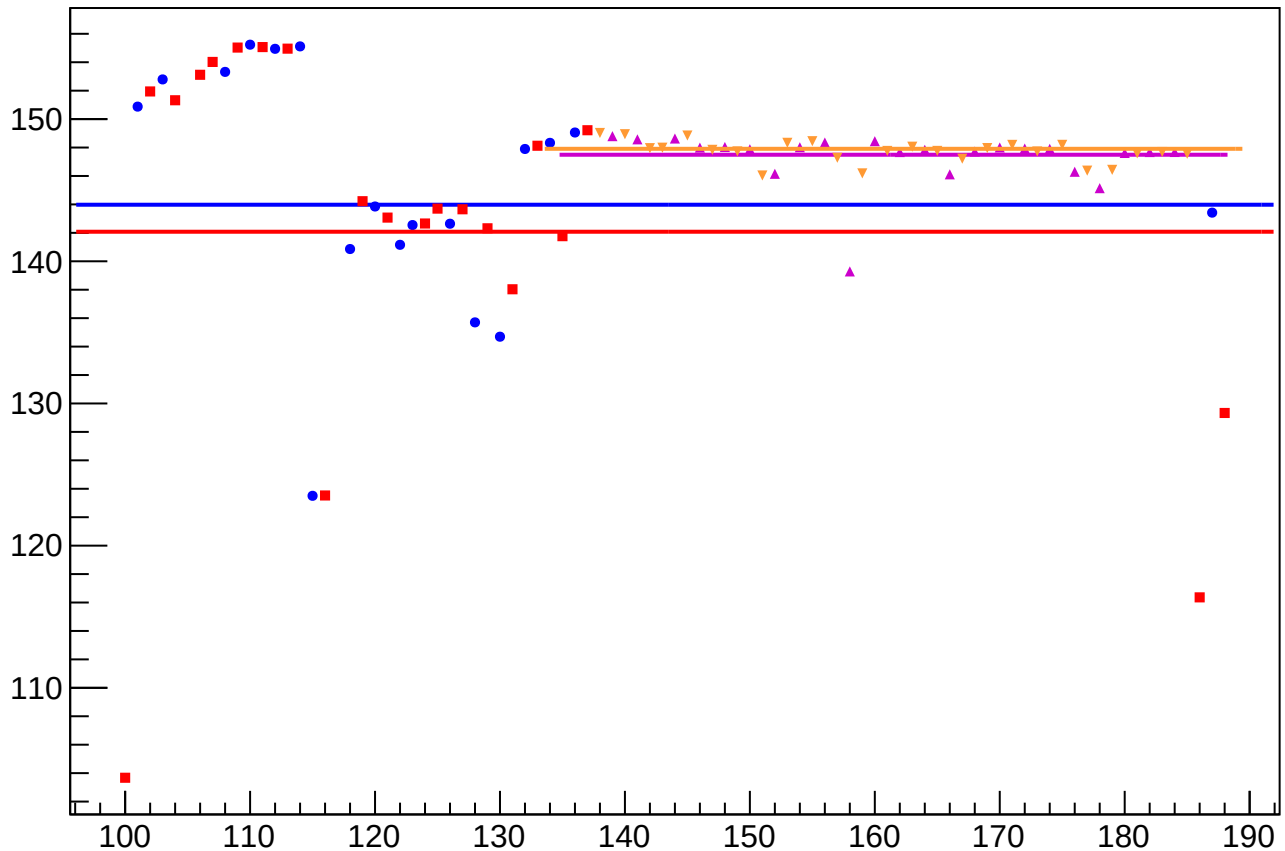
Left In: 0.438 ± 0.000 χ^2/NDF : 1521893.6/22

+ sign 0.390 ± 0.000 χ^2/NDF : 4072146.0/42

All: 0.391 ± 0.000 χ^2/NDF : 7710746.8/86

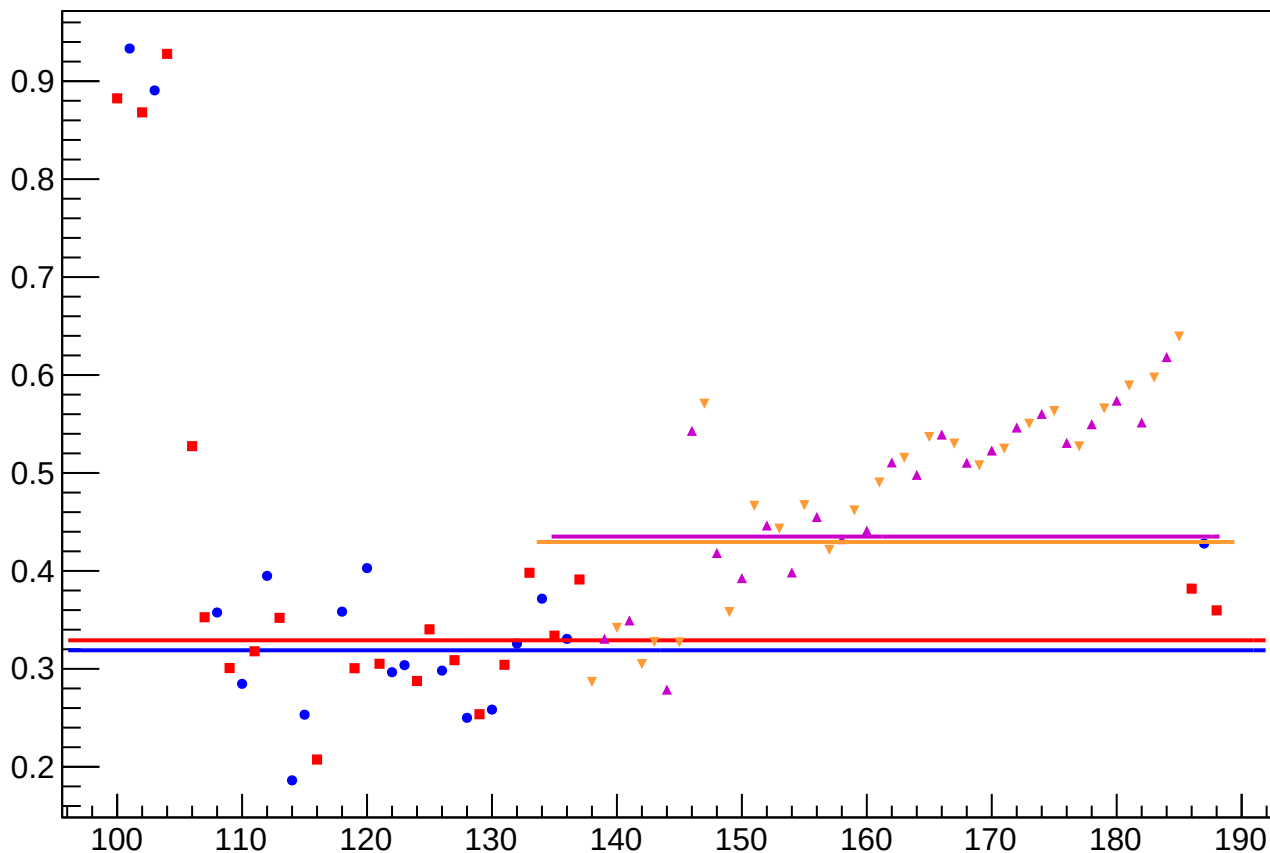
- sign 0.391 ± 0.000 χ^2/NDF : 3638262.0/43

yield_bcm_an_us_mean vs Slug



Right In: 143.978 $\pm$ 0.000	χ^2 /NDF: 3664714423.1/17	+ sign 146.430 $\pm$ 0.000	χ^2 /NDF: 4265365586.0/42
Left Out: 147.911 $\pm$ 0.000	χ^2 /NDF: 64412407.9/24	All: 145.789 $\pm$ 0.000	χ^2 /NDF: 13404080018.
Right Out: 142.079 $\pm$ 0.000	χ^2 /NDF: 7590385785.8/20	- sign 145.162 $\pm$ 0.000	χ^2 /NDF: 9018797268.3/43
Left In: 147.493 $\pm$ 0.000	χ^2 /NDF: 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1293427.2/17

Left Out: 0.430 $\pm$ 0.000 χ^2 /NDF:1895701.4/24

Right Out: 0.329 $\pm$ 0.000 χ^2 /NDF: 1251399.2/20

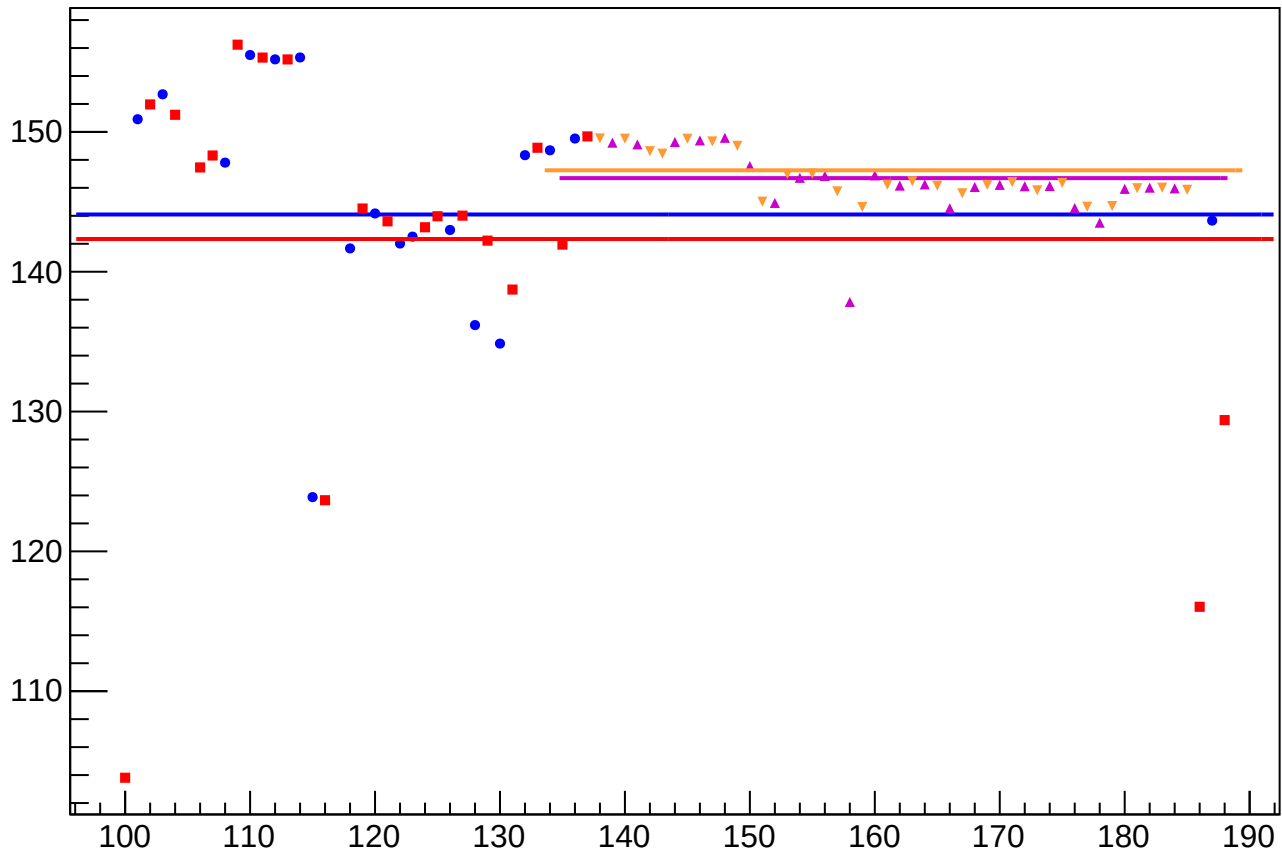
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1502712.5/22

+ sign 0.388 $\pm$ 0.000 χ^2 /NDF: 4036401.7/42

All: 0.389 $\pm$ 0.000 χ^2 /NDF: 7620439.5/86

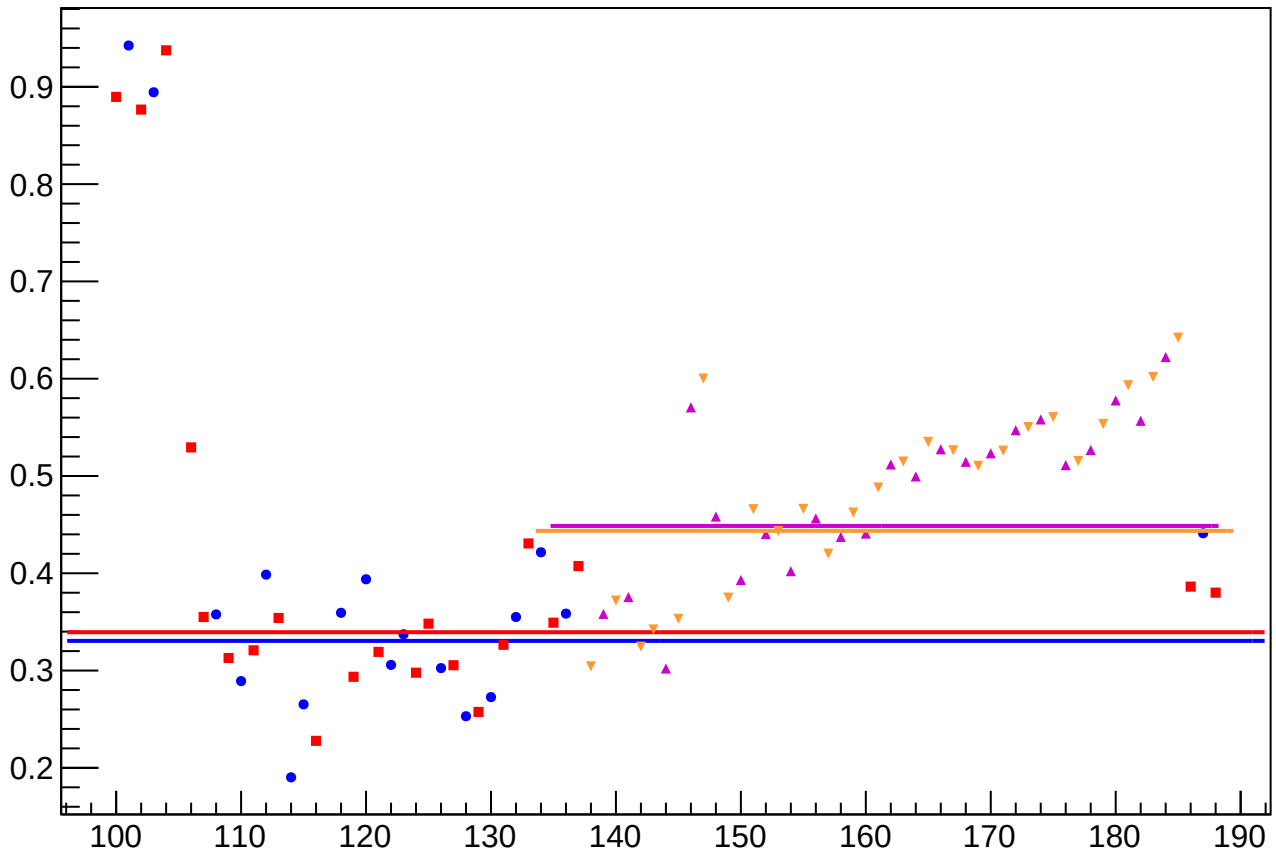
- sign 0.389 $\pm$ 0.000 χ^2 /NDF: 3583665.7/43

yield_bcm_dg_us_mean vs Slug



Right In: 144.095 $\pm$ 0.000	χ^2 /NDF: 3163390532.0/17	+ sign 146.079 $\pm$ 0.000	χ^2 /NDF: 3749214360.1/42
Left Out: 147.255 $\pm$ 0.000	χ^2 /NDF: 262138049.8/24	All: 145.448 $\pm$ 0.000	χ^2 /NDF: 11977417478.
Right Out: 142.341 $\pm$ 0.000	χ^2 /NDF: 6899688022.9/20	- sign 144.834 $\pm$ 0.000	χ^2 /NDF: 8119234634.8/43
Left In: 146.695 $\pm$ 0.000	χ^2 /NDF: 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1277128.4/17

Left Out: 0.444 ± 0.000 χ^2/NDF : 1483434.7/24

Right Out: 0.339 ± 0.000 χ^2/NDF : 1216388.7/20

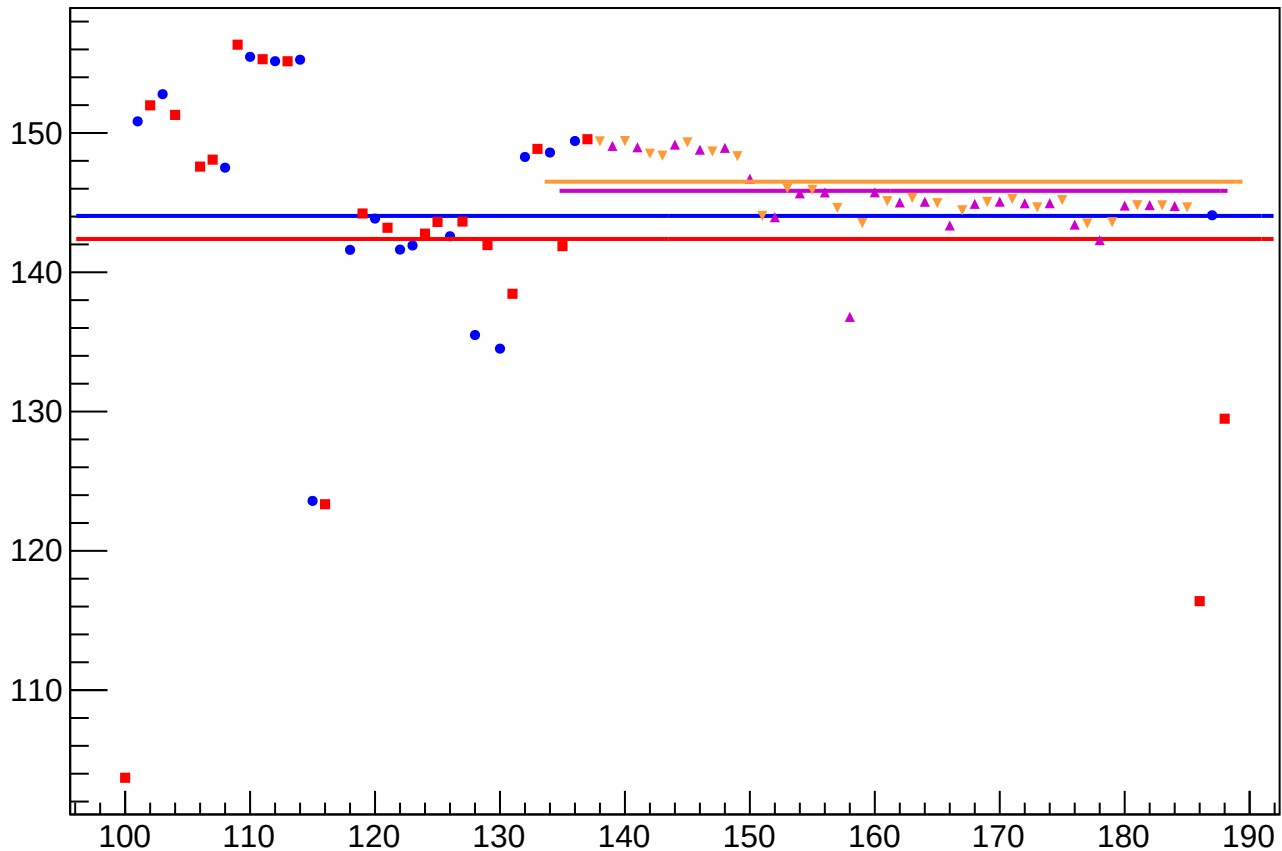
Left In: 0.449 ± 0.000 χ^2/NDF : 1132620.8/22

+ sign 0.401 ± 0.000 χ^2/NDF : 3589919.2/42

All: 0.402 ± 0.000 χ^2/NDF : 6771403.1/86

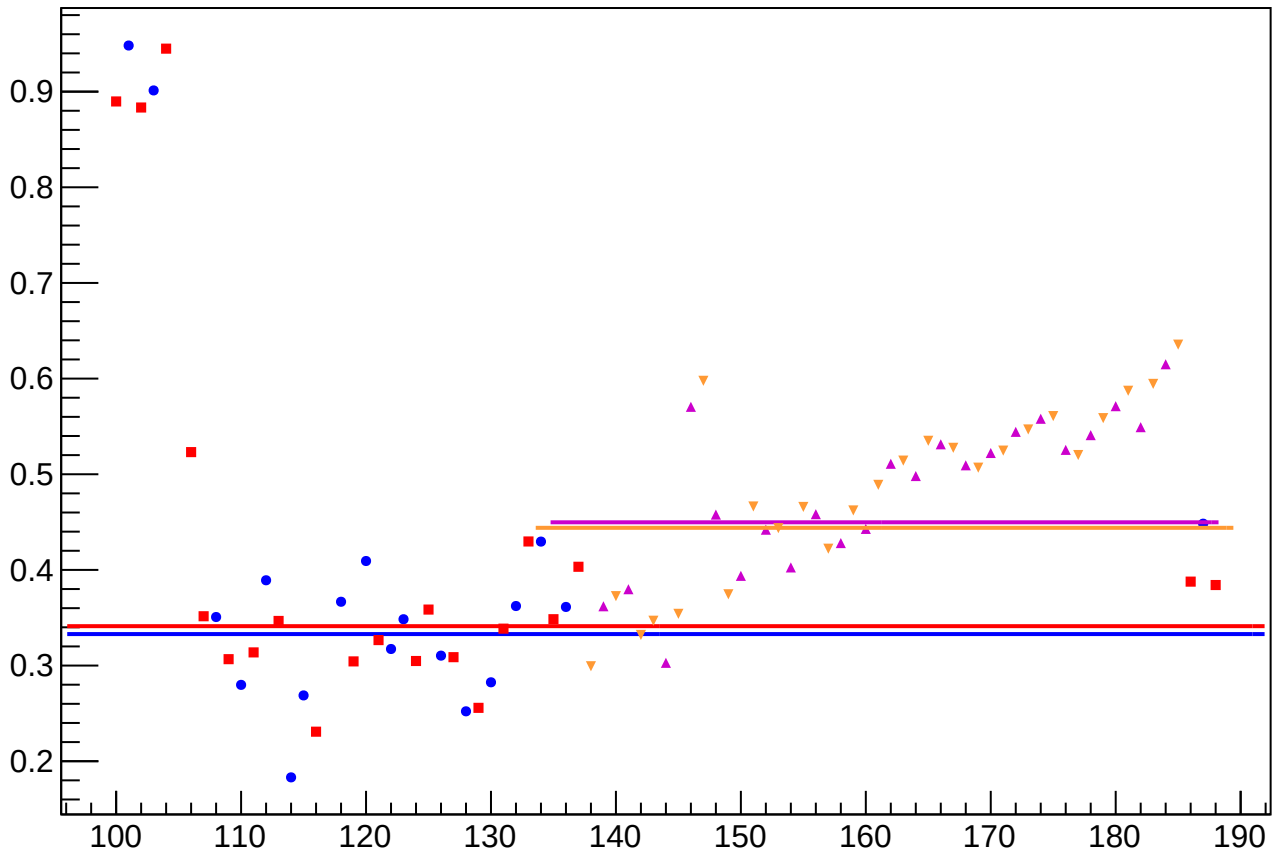
- sign 0.402 ± 0.000 χ^2/NDF : 3181454.2/43

yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 $\pm$ 0.000	χ^2 /NDF: 3282868996.9/17	+ sign 145.599 $\pm$ 0.000	χ^2 /NDF: 3878133726.5/42
Left Out: 146.505 $\pm$ 0.000	χ^2 /NDF: 401688176.3/24	All: 144.979 $\pm$ 0.000	χ^2 /NDF: 11971246735.
Right Out: 142.391 $\pm$ 0.000	χ^2 /NDF: 688122235.2/20	- sign 144.375 $\pm$ 0.000	χ^2 /NDF: 7988717548.3/43
Left In: 145.847 $\pm$ 0.000	χ^2 /NDF: 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.333 ± 0.000 χ^2/NDF : 1294083.1/17

Left Out: 0.444 ± 0.000 χ^2/NDF : 1463293.5/24

Right Out: 0.341 ± 0.000 χ^2/NDF : 1206745.1/20

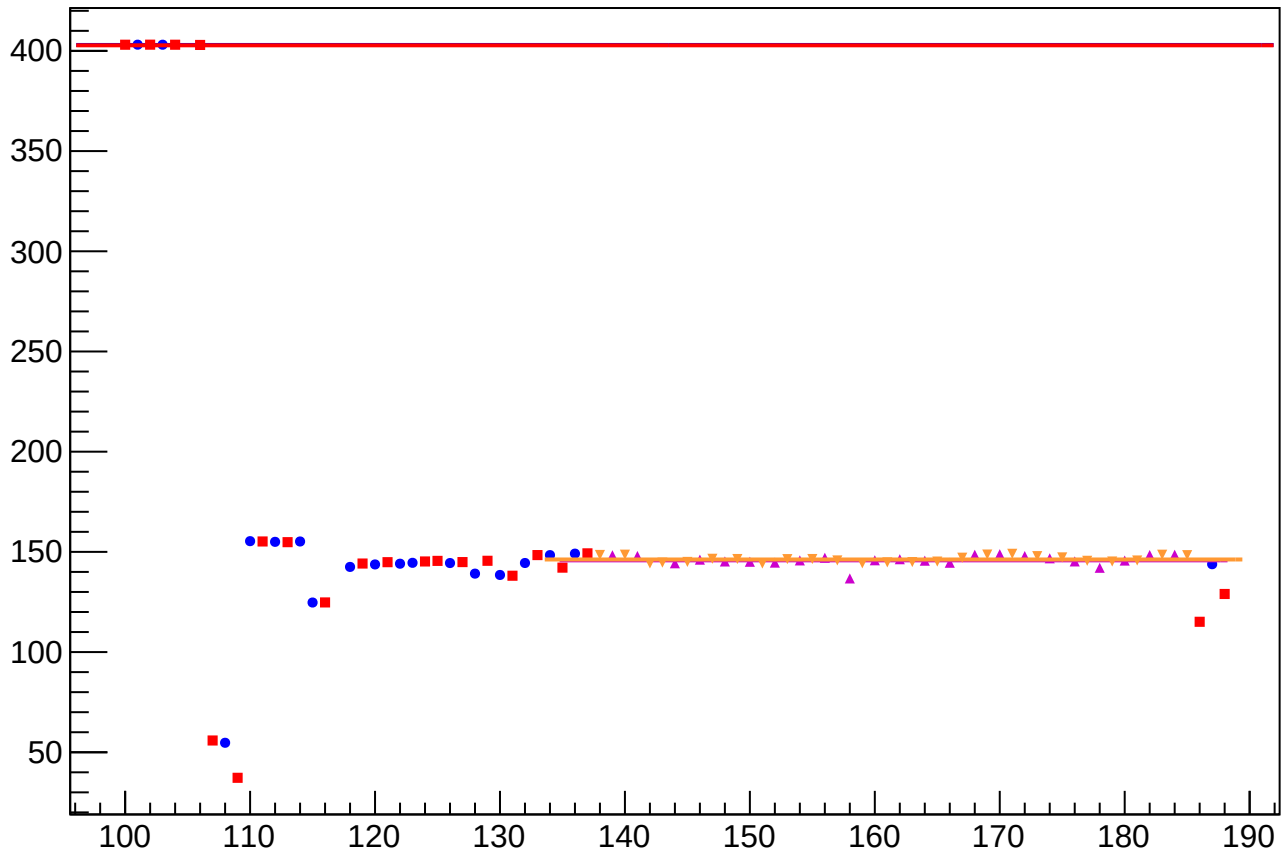
Left In: 0.450 ± 0.000 χ^2/NDF : 1105405.0/22

+ sign 0.403 ± 0.000 χ^2/NDF : 3547727.1/42

All: 0.403 ± 0.000 χ^2/NDF : 6674908.8/86

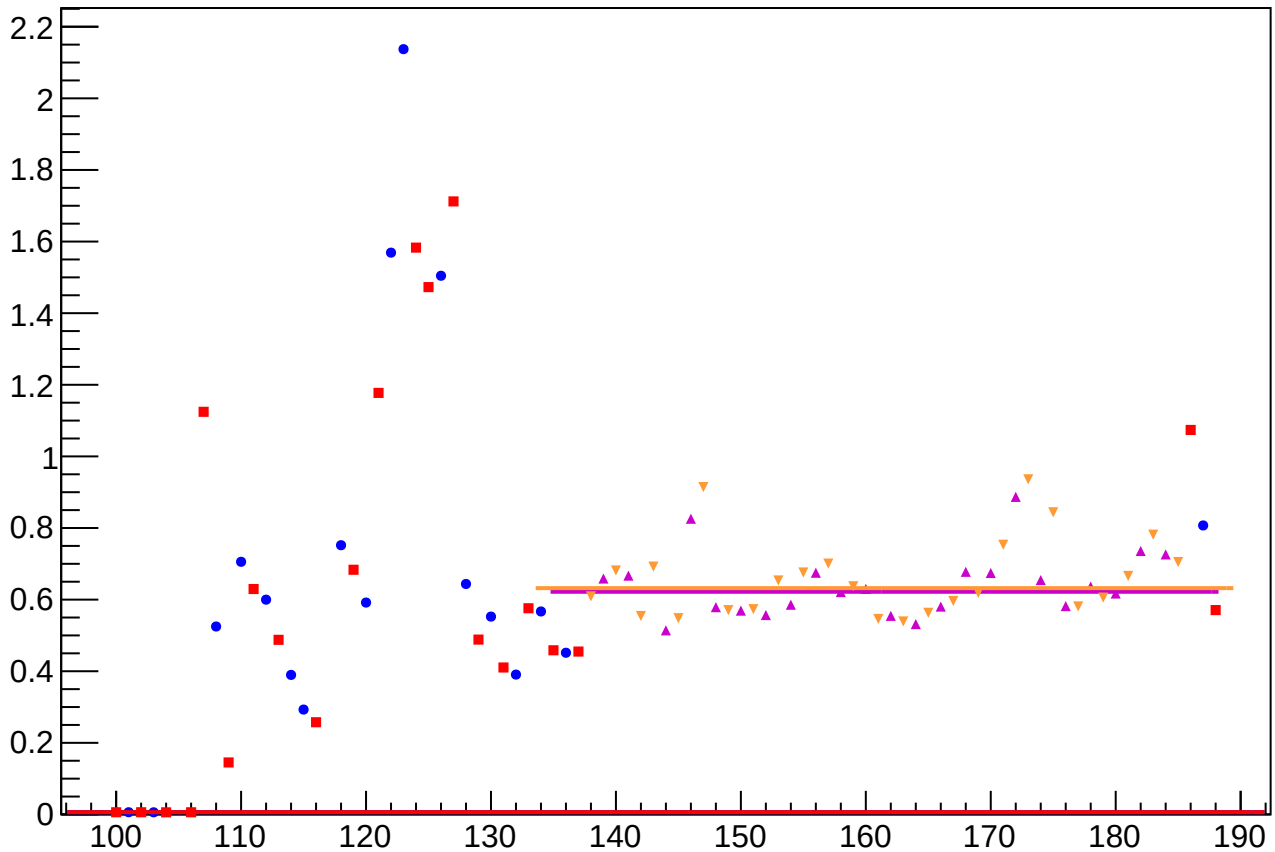
- sign 0.404 ± 0.000 χ^2/NDF : 3127151.2/43

yield_cav4bQ_mean vs Slug



Right In: 402.956 $\pm$ 0.000 χ^2 /NDF: 1107914005459.9/17
 Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24
 Right Out: 402.779 $\pm$ 0.000 χ^2 /NDF: 3298601664085.1/20
 Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9283712.4/17

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

+ sign 0.007+/-0.000 χ^2/NDF : 38076978.7/42

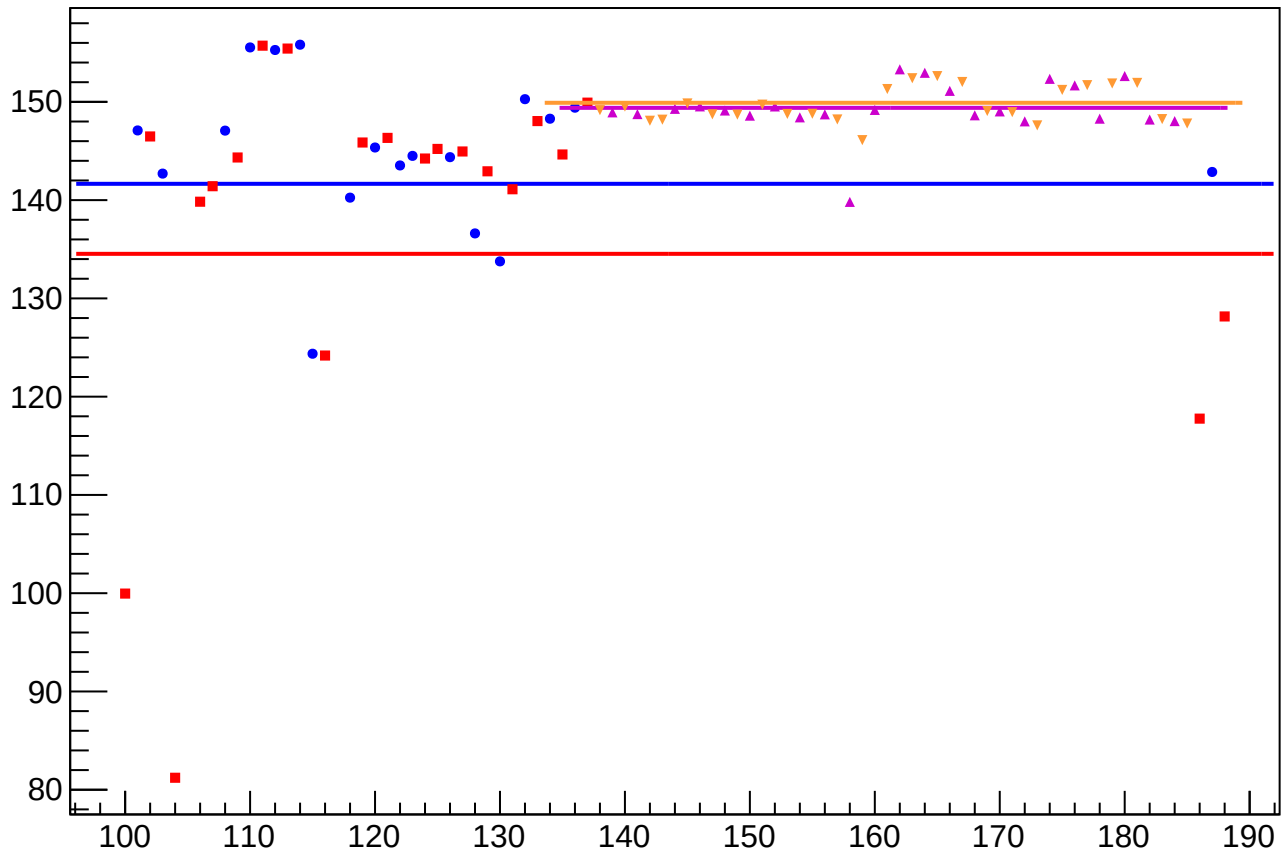
Right Out: 0.006+/-0.000 χ^2/NDF : 11245596.2/20

All: 0.007+/-0.000 χ^2/NDF : 76653928.3/86

- sign 0.007+/-0.000 χ^2/NDF : 38576775.7/43

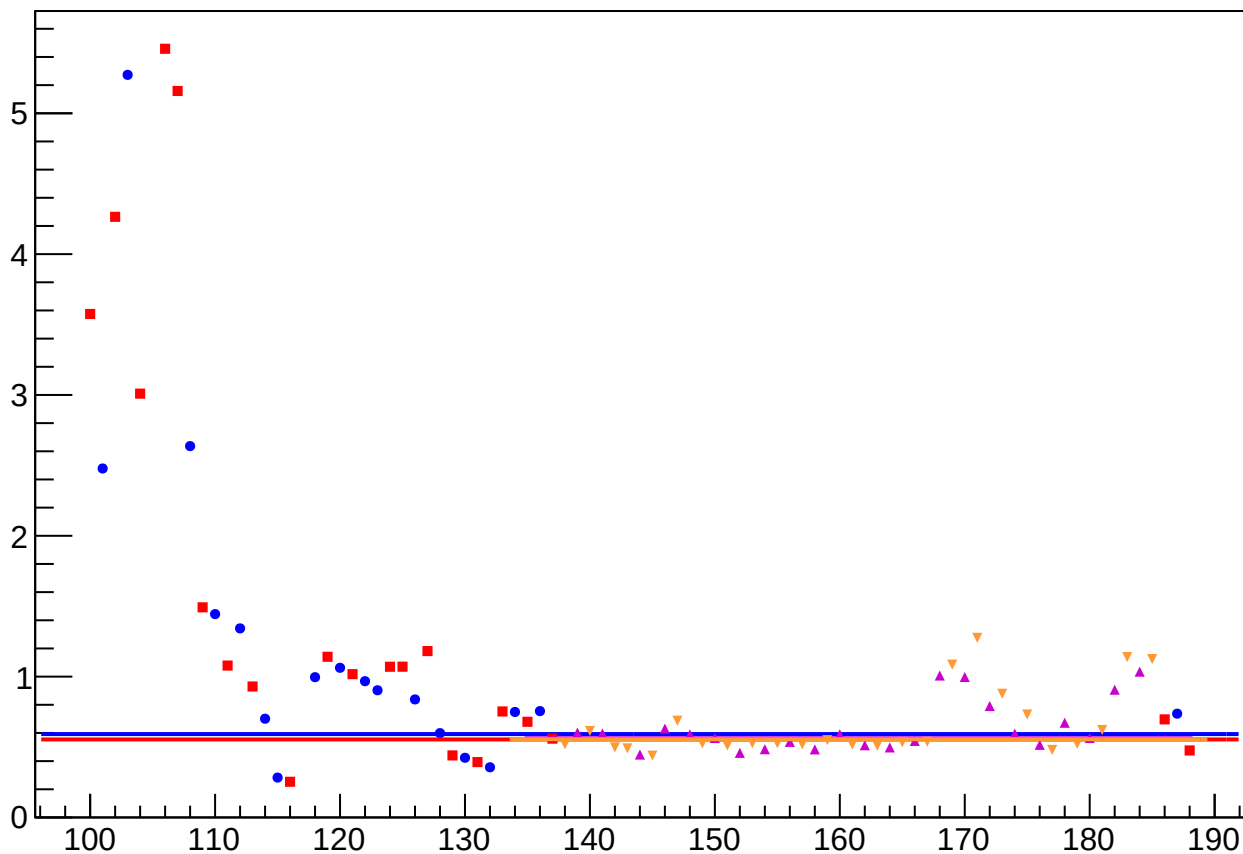
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

yield_cav4cQ_mean vs Slug



Right In: 141.660 $\pm$ 0.000	χ^2 /NDF: 977777566.4/17	+ sign 148.514 $\pm$ 0.000	χ^2 /NDF: 1725728701.9/42
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.216 $\pm$ 0.000	χ^2 /NDF: 6538394941.9
Right Out: 134.534 $\pm$ 0.000	χ^2 /NDF: 1726340819.6/20	- sign 145.934 $\pm$ 0.000	χ^2 /NDF: 4607575329.8/43
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3482435.2/17

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773380.1/24

Right Out: 0.554 $\pm$ 0.000 χ^2 /NDF: 4717986.9/20

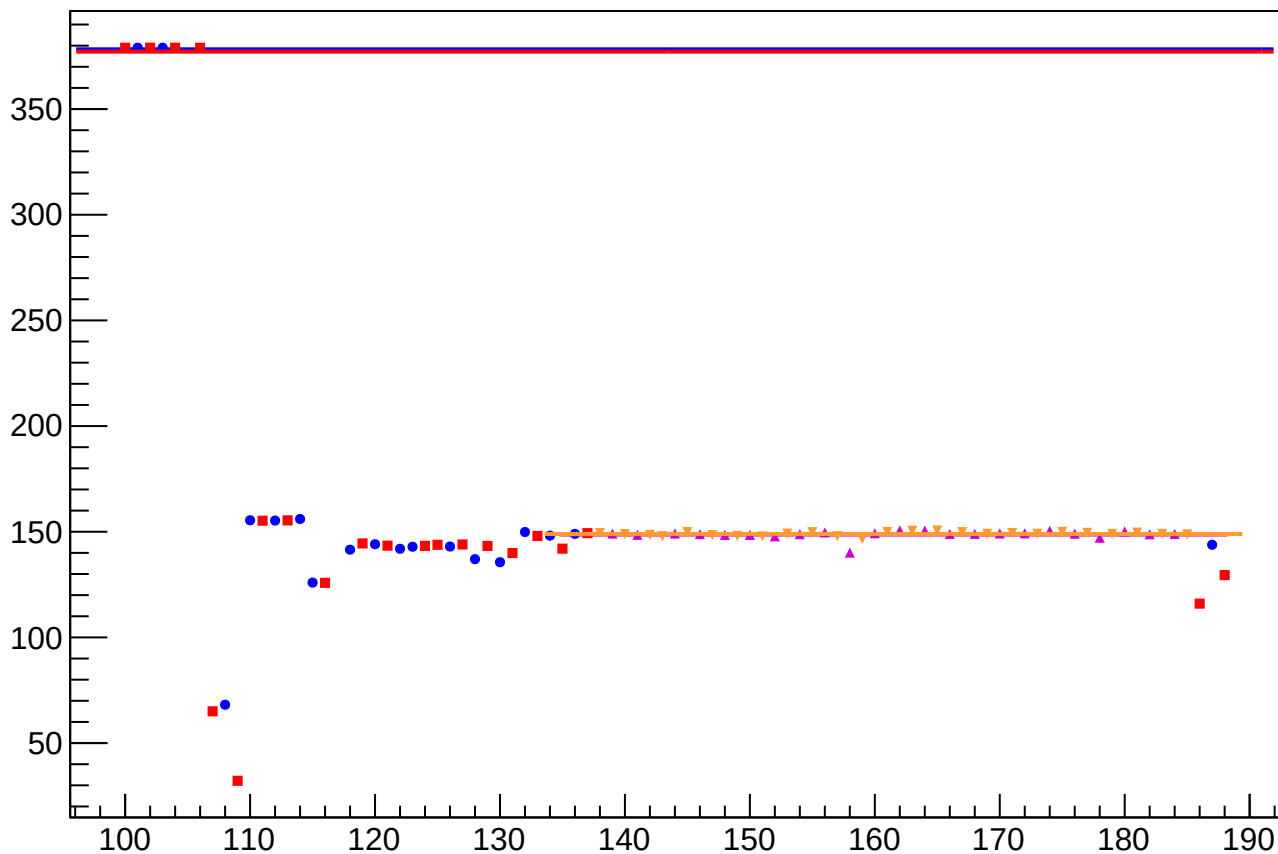
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1311075.2/22

+ sign 0.562 $\pm$ 0.000 χ^2 /NDF: 5278886.7/42

All: 0.561 $\pm$ 0.000 χ^2 /NDF: 11309544.5/86

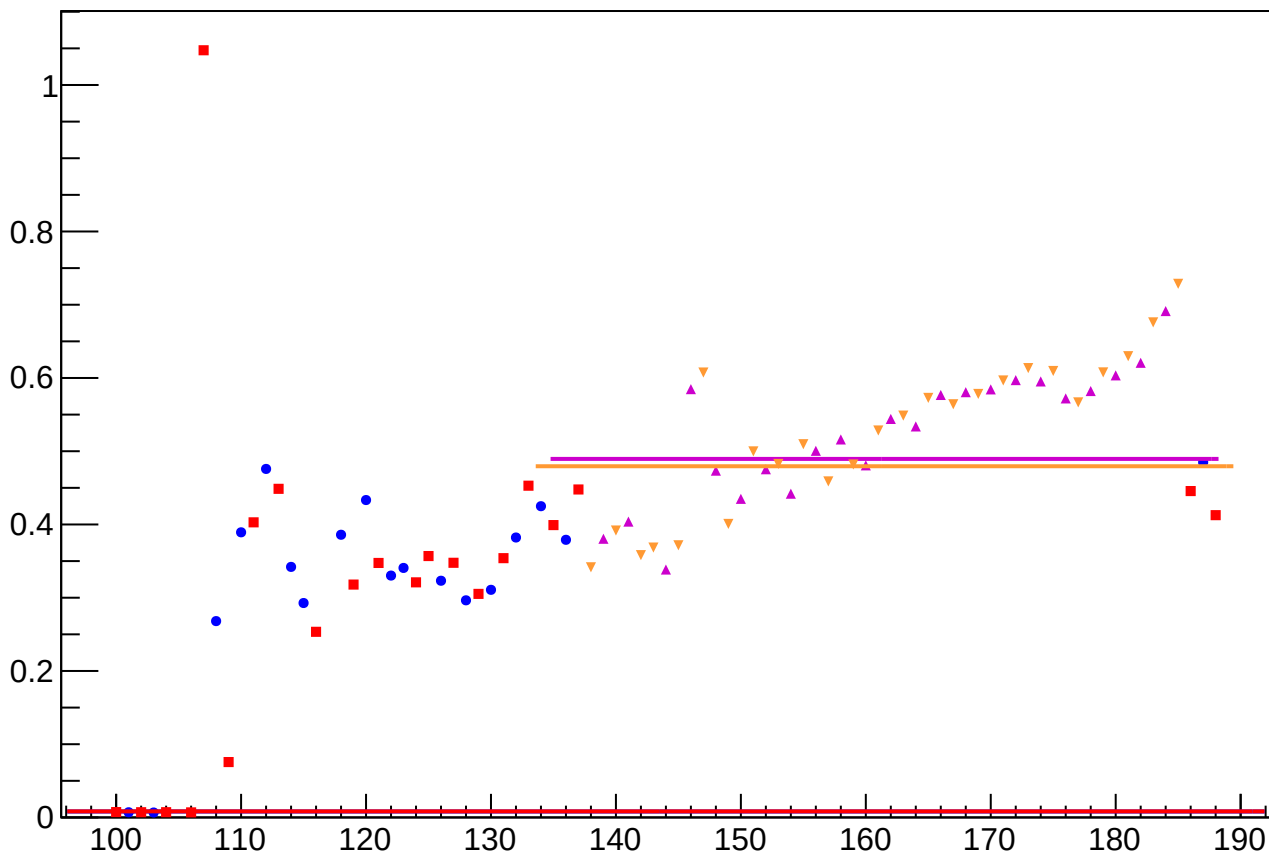
- sign 0.560 $\pm$ 0.000 χ^2 /NDF: 6030535.4/43

yield_cav4dQ_mean vs Slug



Right In: 378.279+/-0.000 χ^2/NDF : 2518641256142.4/17
 Left Out: 148.946+/-0.000 χ^2/NDF : 63974844.7/24
 Right Out: 377.176+/-0.000 χ^2/NDF : 8712579222595.6/20
 Left In: 148.683+/-0.000 χ^2/NDF : 253848207.3/22
 All: 376.543+/-0.000 χ^2/NDF : 187332853216
 + sign 376.997+/-0.000 χ^2/NDF : 6433852805222.7
 - sign 376.144+/-0.000 χ^2/NDF : 12294240073579.4

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 10035070.1/17

Left Out: 0.479+/-0.000 χ^2/NDF :1518765.9/24

Right Out: 0.008+/-0.000 χ^2/NDF : 11798207.6/20

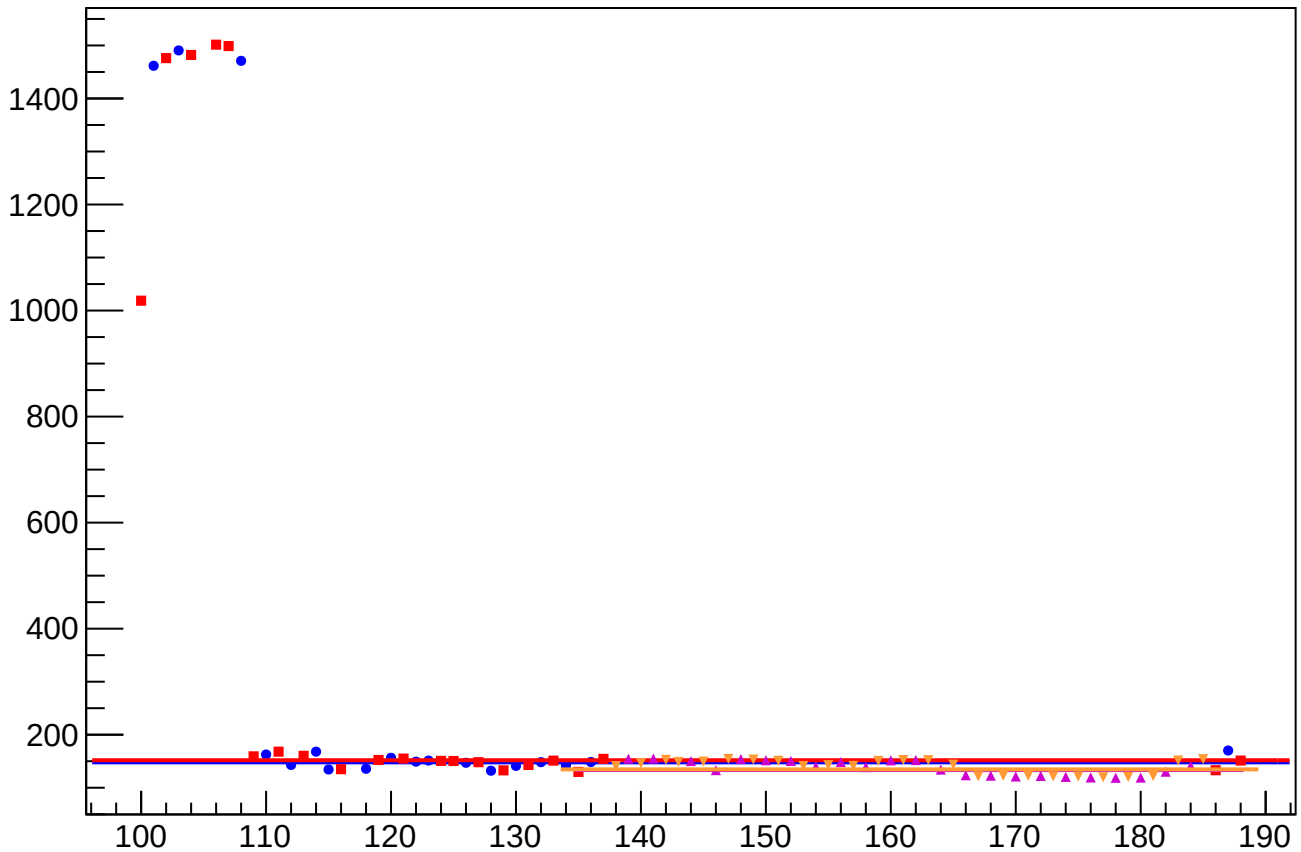
Left In: 0.490+/-0.000 χ^2/NDF :1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 44632059.7/42

All: 0.011+/-0.000 χ^2/NDF : 89288413.8/86

- sign 0.010+/-0.000 χ^2/NDF : 44655317.1/43

yield_bcm0l02_mean vs Slug



Right In: 147.860 $\pm$ 0.000 χ^2/NDF : 24476921289.8/17

Left Out: 134.585 $\pm$ 0.000 χ^2/NDF : 4387324151.1/24

Right Out: 151.849 $\pm$ 0.000 χ^2/NDF : 33959840703.3/20

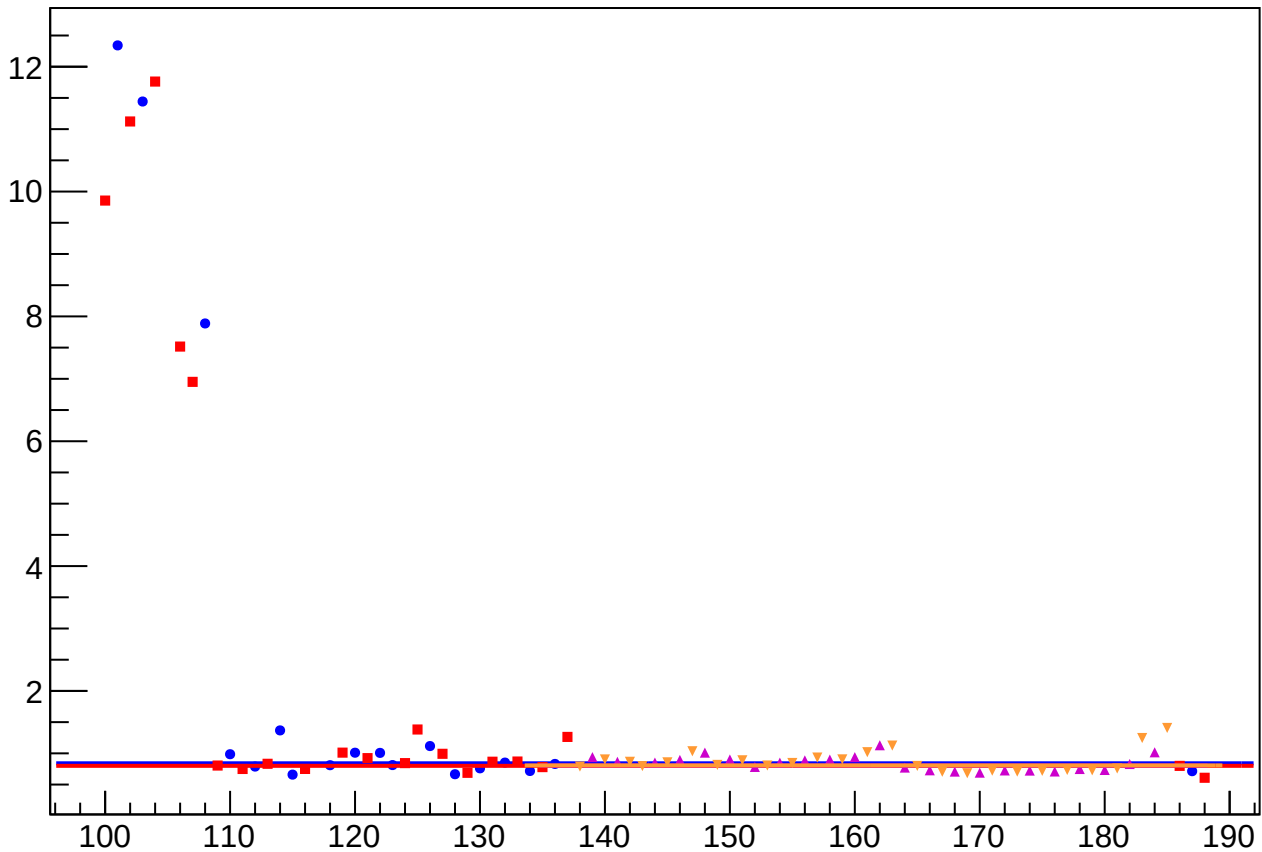
Left In: 133.309 $\pm$ 0.000 χ^2/NDF : 4353039408.6/22

+ sign 137.079 $\pm$ 0.000 χ^2/NDF : 29650482316.2/42

All: 137.566 $\pm$ 0.000 χ^2/NDF : 69984048777.7

- sign 138.027 $\pm$ 0.000 χ^2/NDF : 40320095701.9/43

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2676063.9/17

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.800 ± 0.000 χ^2/NDF : 3044023.0/20

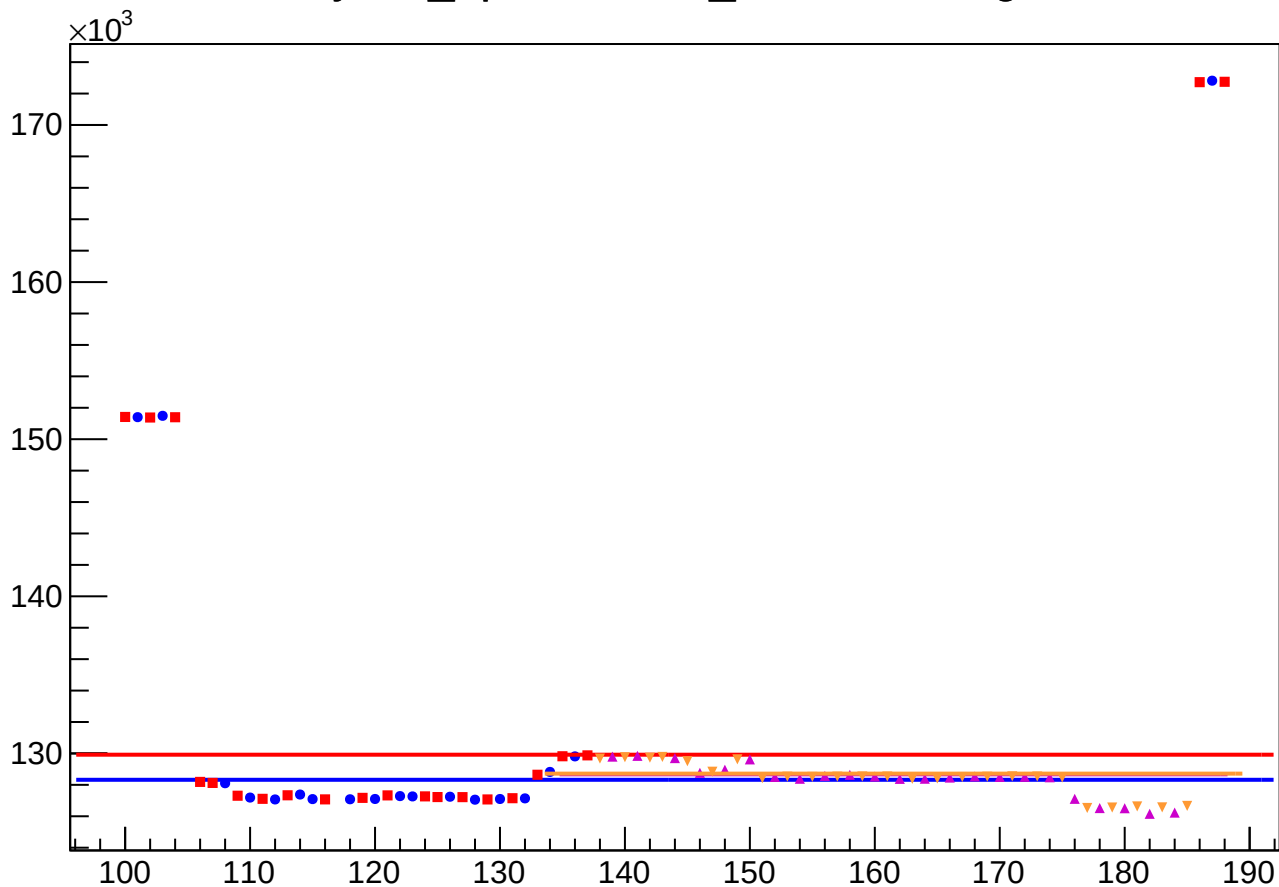
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.813 ± 0.000 χ^2/NDF : 3390537.4/42

All: 0.808 ± 0.000 χ^2/NDF : 6917276.9/86

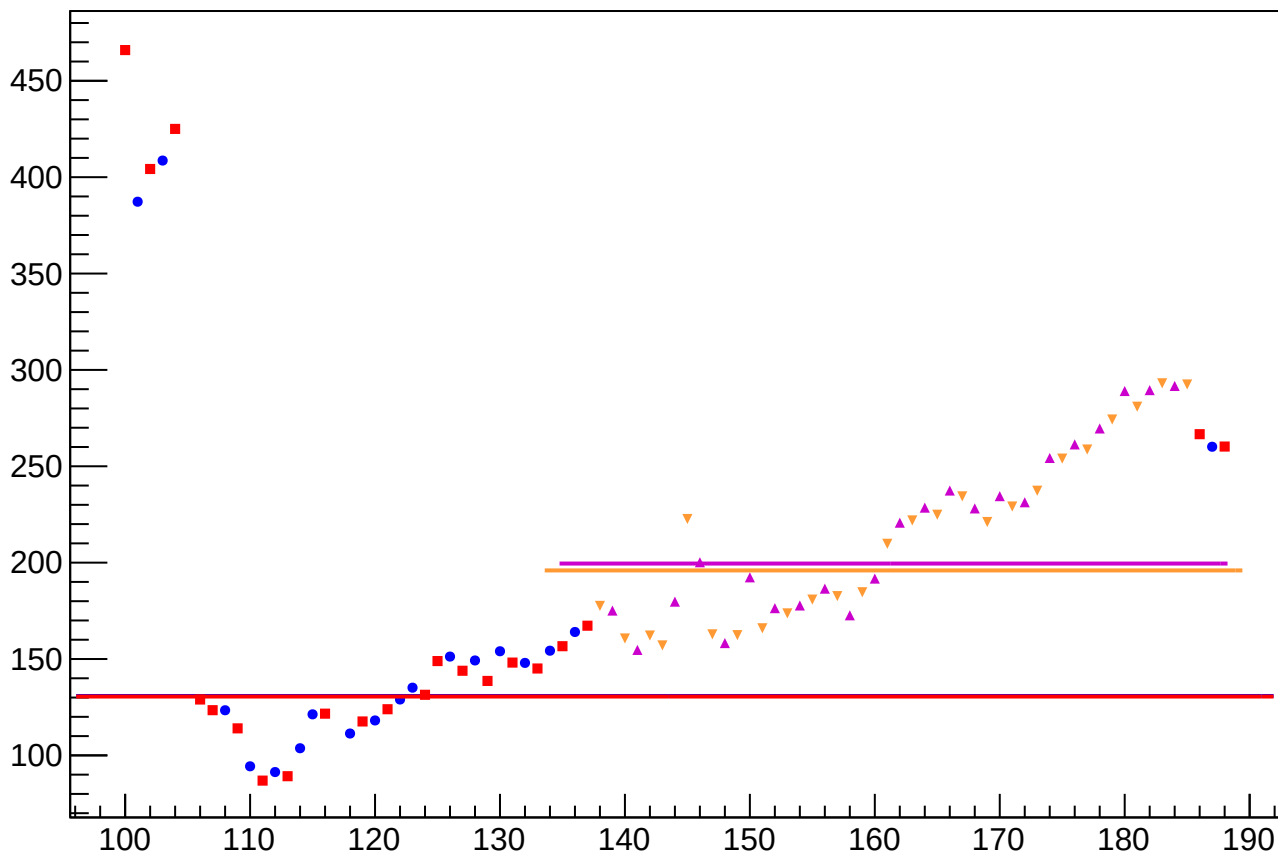
- sign 0.803 ± 0.000 χ^2/NDF : 3523945.4/43

yield_bpm2i01WS_mean vs Slug



Right In: 128321.933 $\pm$ 0.054 χ^2 /NDF: 8754096079.9/17
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 129918.673 $\pm$ 0.049 χ^2 /NDF: 38913353389.2/20
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22
 + sign 128547.915 $\pm$ 0.035 χ^2 /NDF: 9132255962.4
 All: 128926.415 $\pm$ 0.025 χ^2 /NDF: 489280643
 - sign 129289.061 $\pm$ 0.035 χ^2 /NDF: 39572302436.3

yield_bpm2i01WS_rms vs Slug



Right In: 130.816 $\pm$ 0.039 χ^2 /NDF: 1559062.0/17

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF: 1316091.7/24

Right Out: 130.536 $\pm$ 0.035 χ^2 /NDF: 2189579.4/20

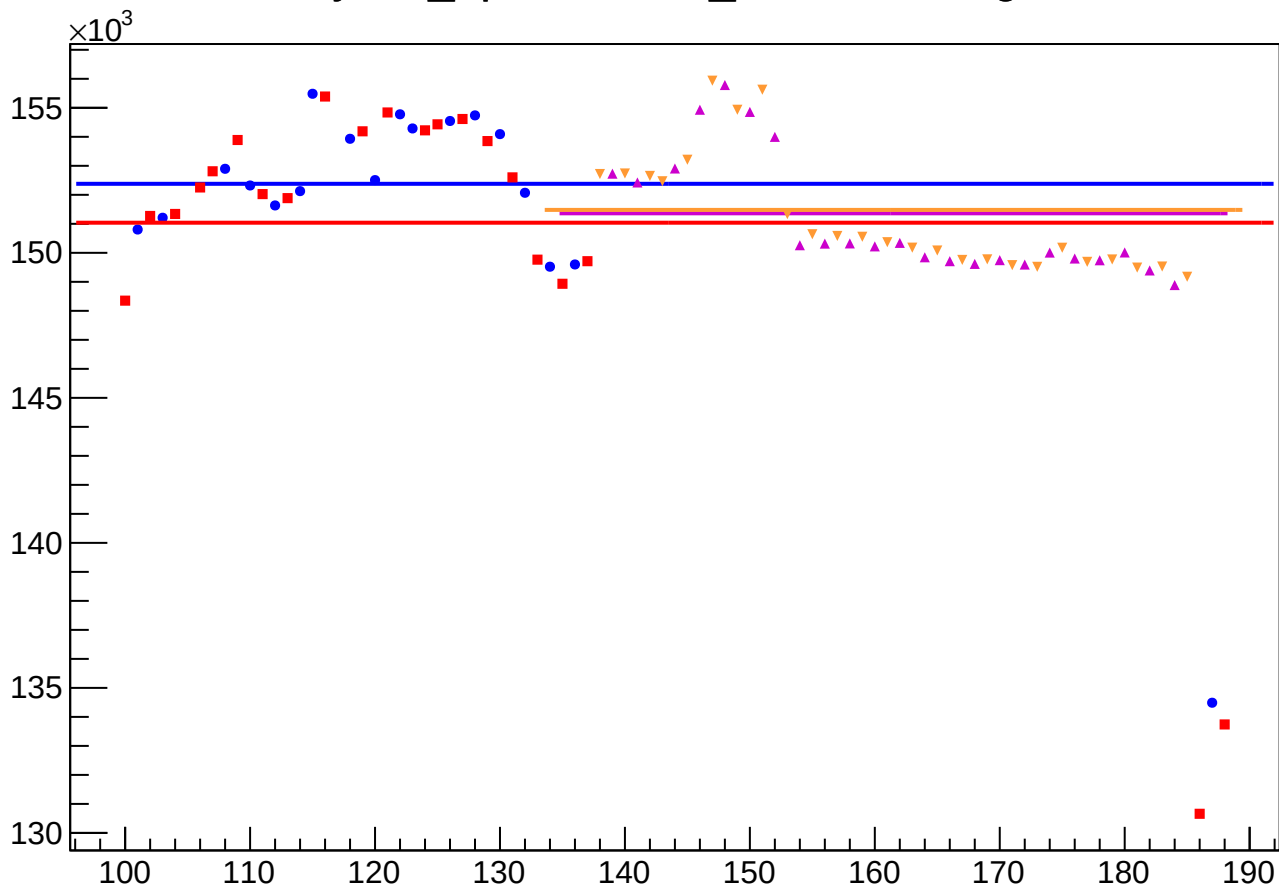
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF: 1175342.5/22

+ sign 168.386 $\pm$ 0.025 χ^2 /NDF: 4526173.3/42

All: 166.824 $\pm$ 0.018 χ^2 /NDF: 9877866.5/86

- sign 165.328 $\pm$ 0.025 χ^2 /NDF: 5344079.7/43

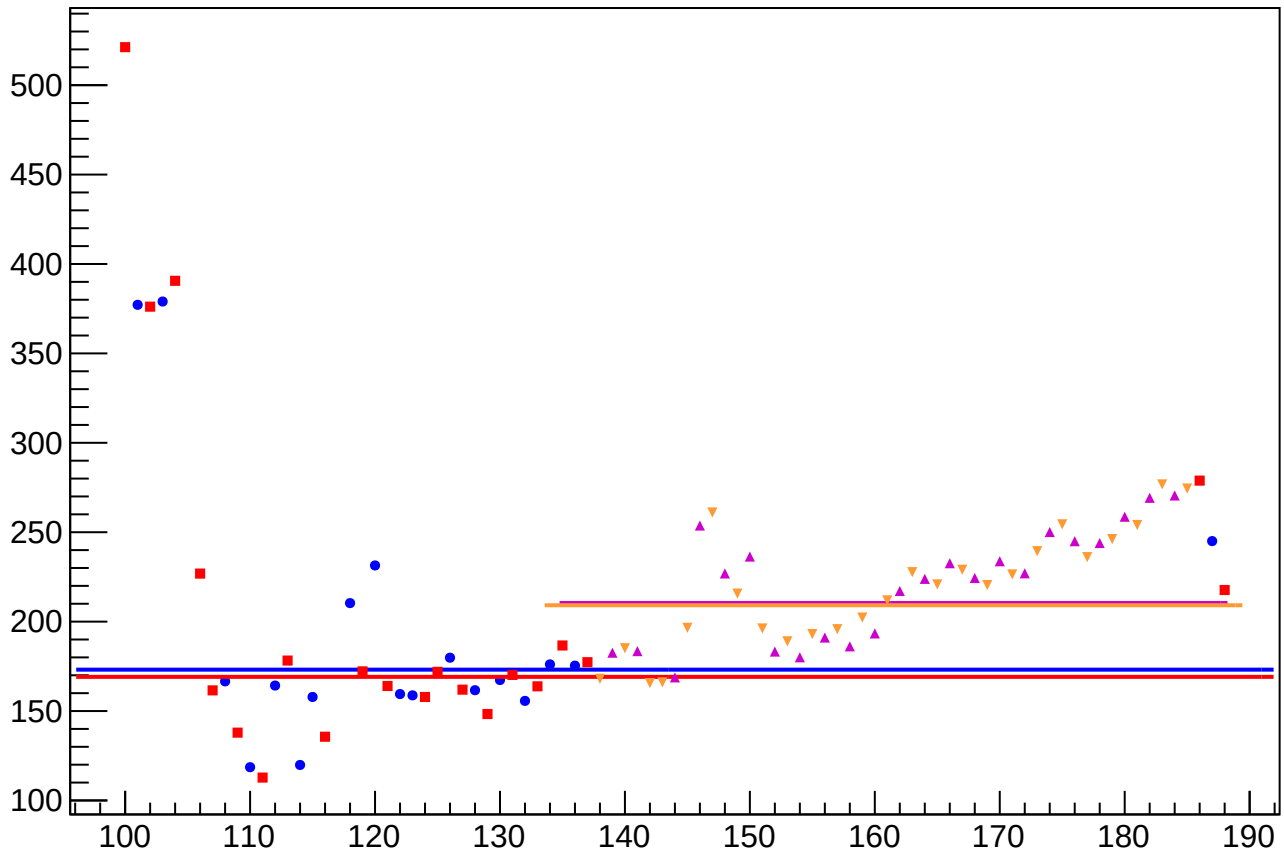
yield_bpm0i07WS_mean vs Slug



Right In: 152379.768 ± 0.072 $\chi^2/\text{NDF}: 1396075849.7/17$
 Left Out: 151480.339 ± 0.049 $\chi^2/\text{NDF}: 1483692735.3/24$
 Right Out: 151038.585 ± 0.063 $\chi^2/\text{NDF}: 9024354048.7/20$
 Left In: 151362.440 ± 0.051 $\chi^2/\text{NDF}: 1426782789.9/22$

+ sign 151769.189 ± 0.041 $\chi^2/\text{NDF}: 2985919060.3/17$
 All: 151494.828 ± 0.028 $\chi^2/\text{NDF}: 135413613/17$
 - sign 151233.738 ± 0.040 $\chi^2/\text{NDF}: 10467022400.0/17$

yield_bpm0i07WS_rms vs Slug



Right In: 173.149 $\pm$ 0.051 χ^2 /NDF: 950752.9/17

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 169.118 $\pm$ 0.045 χ^2 /NDF: 1253674.1/20

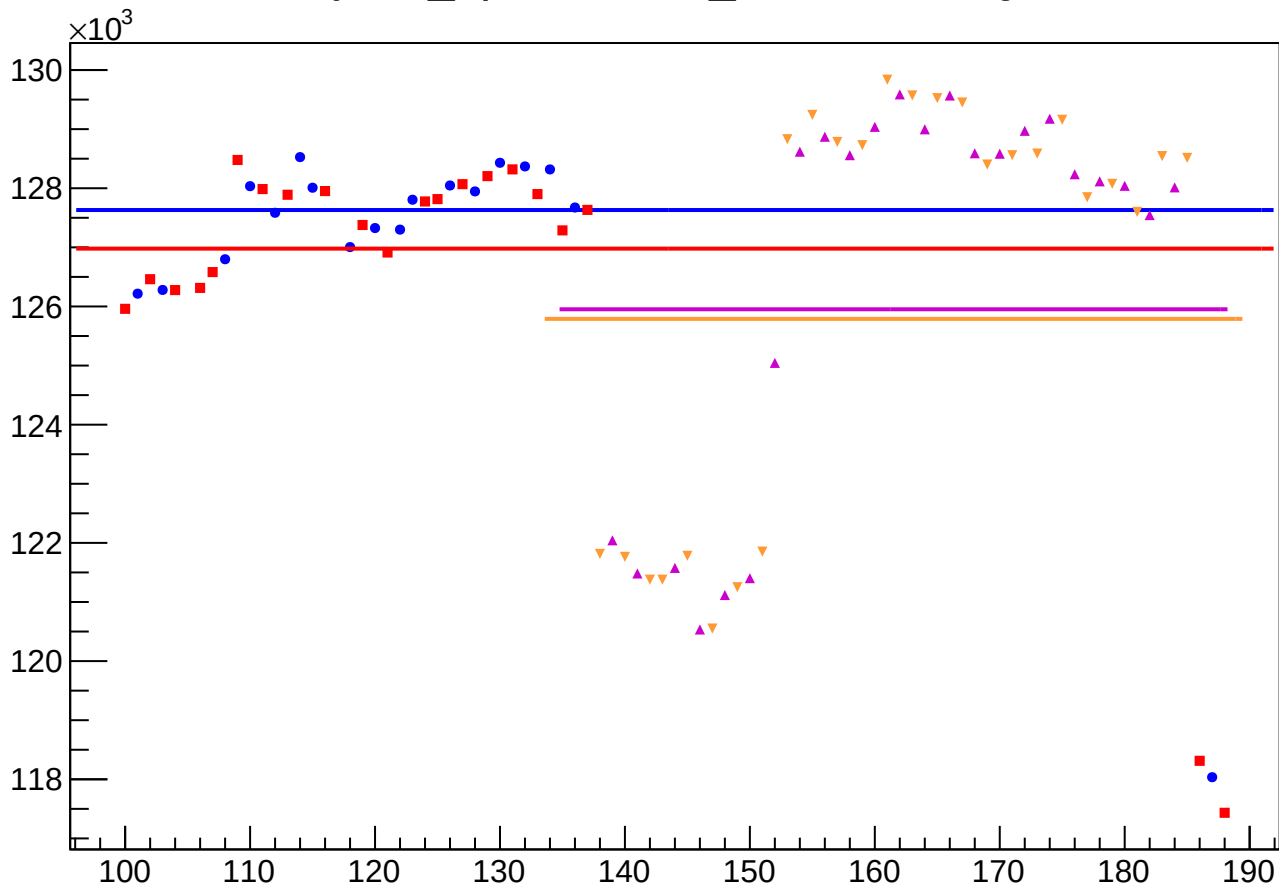
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 197.592 $\pm$ 0.029 χ^2 /NDF: 2001079.4/42

All: 195.758 $\pm$ 0.020 χ^2 /NDF: 4463687.2/86

- sign 194.013 $\pm$ 0.028 χ^2 /NDF: 2454704.0/43

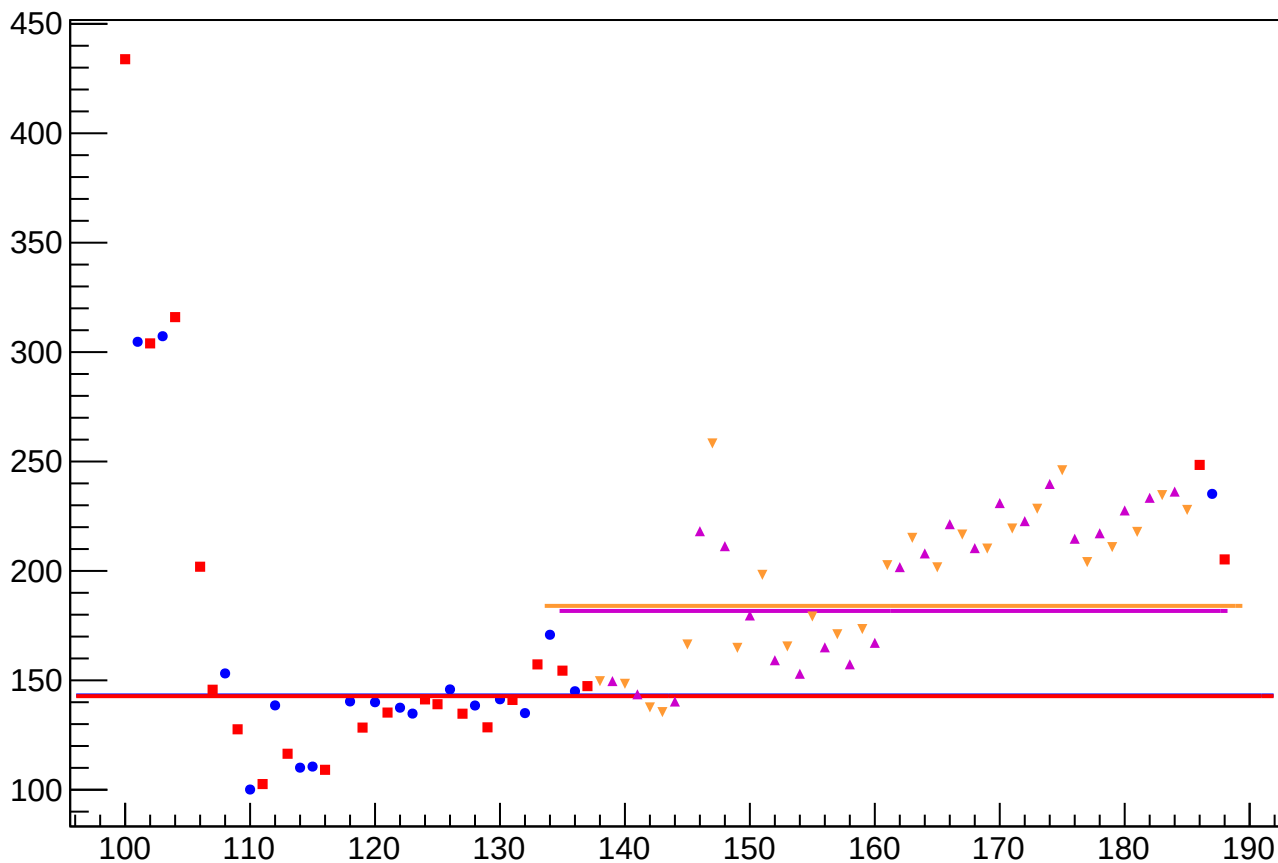
yield_bpm0l01WS_mean vs Slug



Right In: 127631.416 $\pm$ 0.058 χ^2 /NDF: 335402909.0/17
 Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24
 Right Out: 126978.331 $\pm$ 0.052 χ^2 /NDF: 2647070360.5/20
 Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22

+ sign 126459.705 $\pm$ 0.035 χ^2 /NDF: 7717663465.9
 All: 126420.325 $\pm$ 0.024 χ^2 /NDF: 164305524
 - sign 126383.275 $\pm$ 0.034 χ^2 /NDF: 8710441629.1

yield_bpm0l01WS_rms vs Slug



Right In: 143.095+/-0.041 χ^2/NDF : 880782.1/17

Left Out: 184.029+/-0.031 χ^2/NDF : 1126592.5/24

Right Out: 142.767+/-0.037 χ^2/NDF : 1277932.1/20

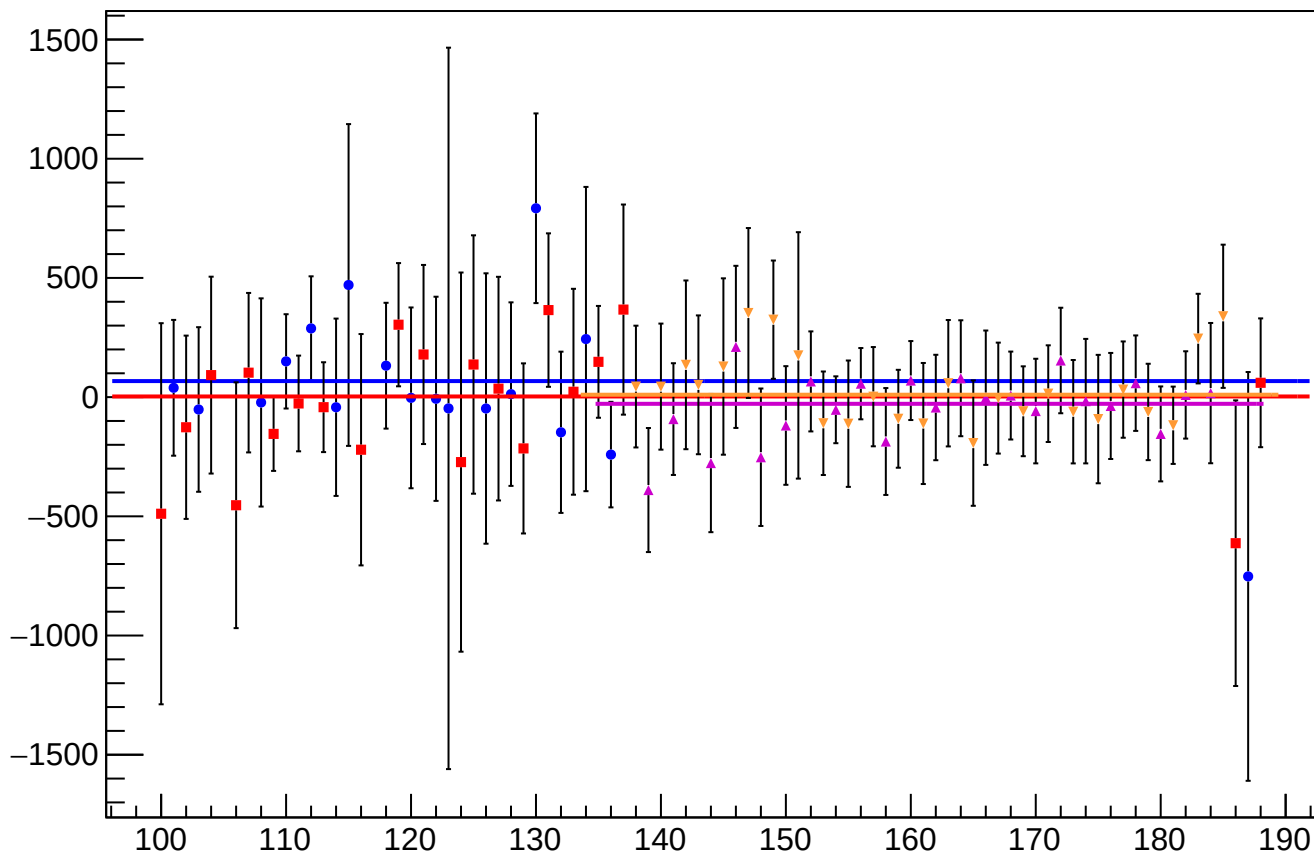
Left In: 181.714+/-0.032 χ^2/NDF : 1116142.0/22

+ sign 169.144+/-0.025 χ^2/NDF : 2637952.4/42

All: 167.193+/-0.017 χ^2/NDF : 5682733.6/86

- sign 165.358+/-0.024 χ^2/NDF : 3032770.8/43

asym_bcm_an_ds_mean vs Slug



Right In: 67.307 ± 79.487 χ^2/NDF : 8.7/17

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 2.763 ± 67.430 χ^2/NDF : 8.3/20

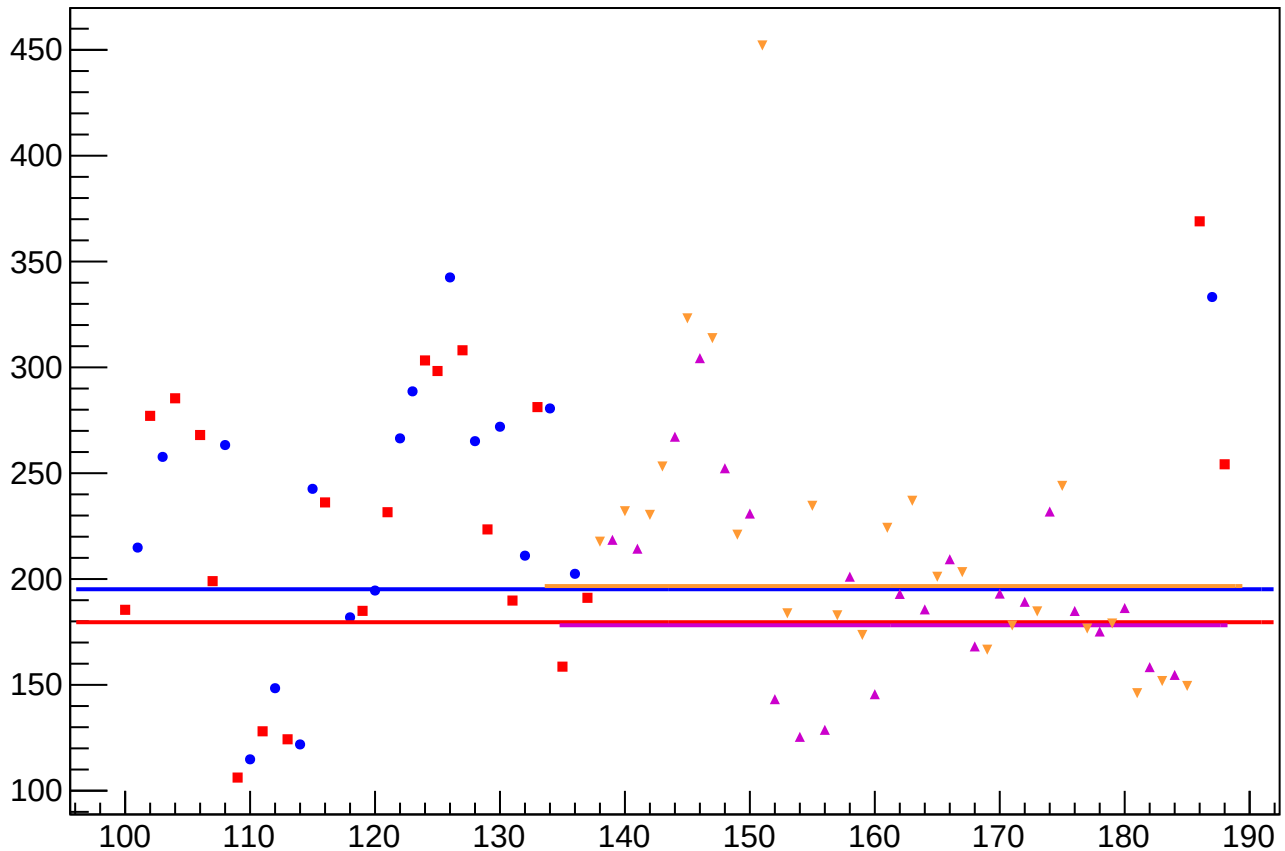
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign 25.131 ± 40.767 χ^2/NDF : 17.5/42

All: 1.216 ± 27.472 χ^2/NDF : 33.5/86

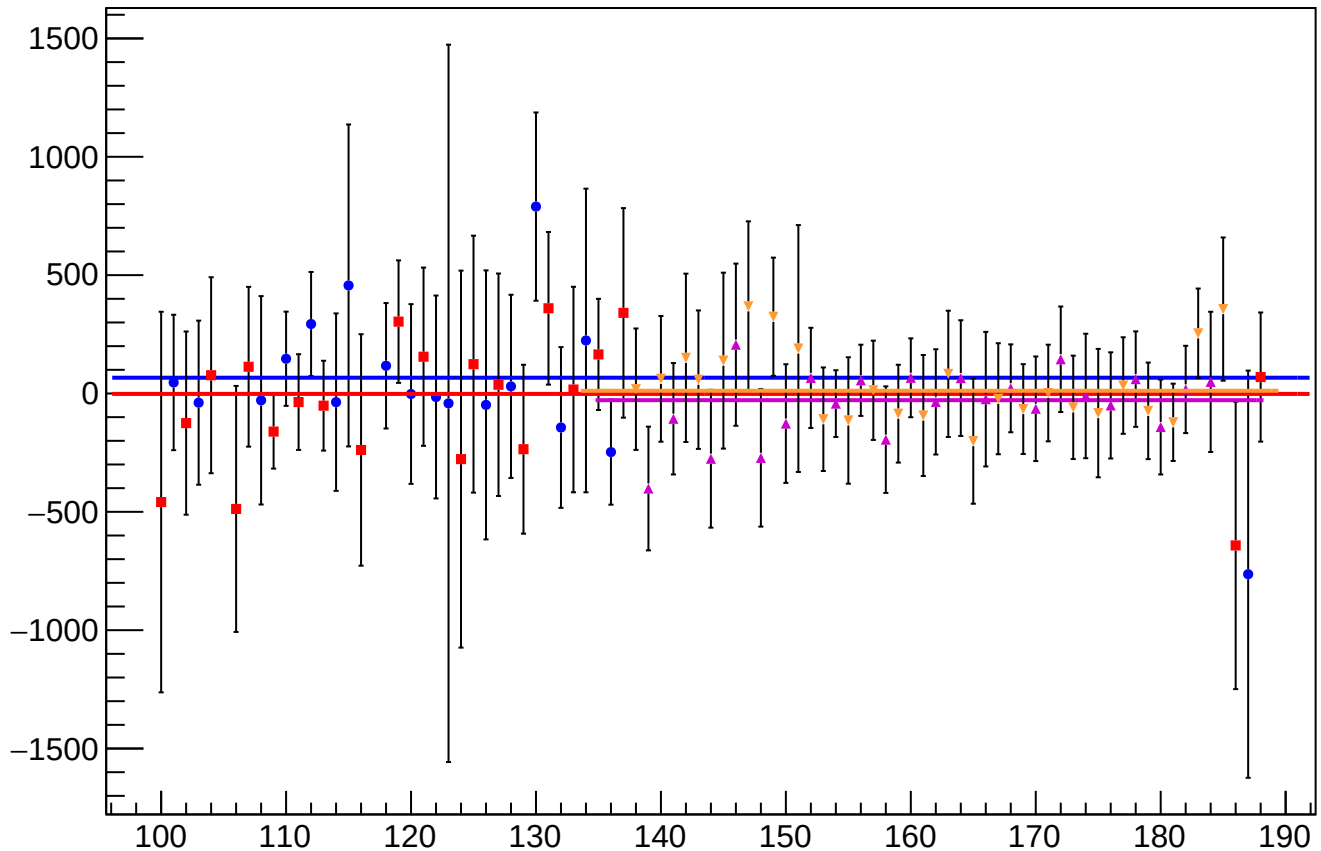
- sign -18.680 ± 37.183 χ^2/NDF : 15.4/43

asym_bcm_an_ds_rms vs Slug



Right In: 195.178 $\pm$ 0.056 χ^2 /NDF: 1071176.2/17
 Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF: 1782715.7/24
 Right Out: 179.602 $\pm$ 0.048 χ^2 /NDF: 1950669.8/20
 Left In: 178.166 $\pm$ 0.032 χ^2 /NDF: 1618967.9/22
 + sign 196.286 $\pm$ 0.029 χ^2 /NDF: 2854419.4/42
 All: 186.633 $\pm$ 0.019 χ^2 /NDF: 6630115.9/86
 - sign 178.602 $\pm$ 0.026 χ^2 /NDF: 3570269.0/43

asym_bcm_an_ds3_mean vs Slug



Right In: 66.650 ± 79.874 χ^2/NDF : 8.6/17

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: -1.831 ± 67.812 χ^2/NDF : 8.5/20

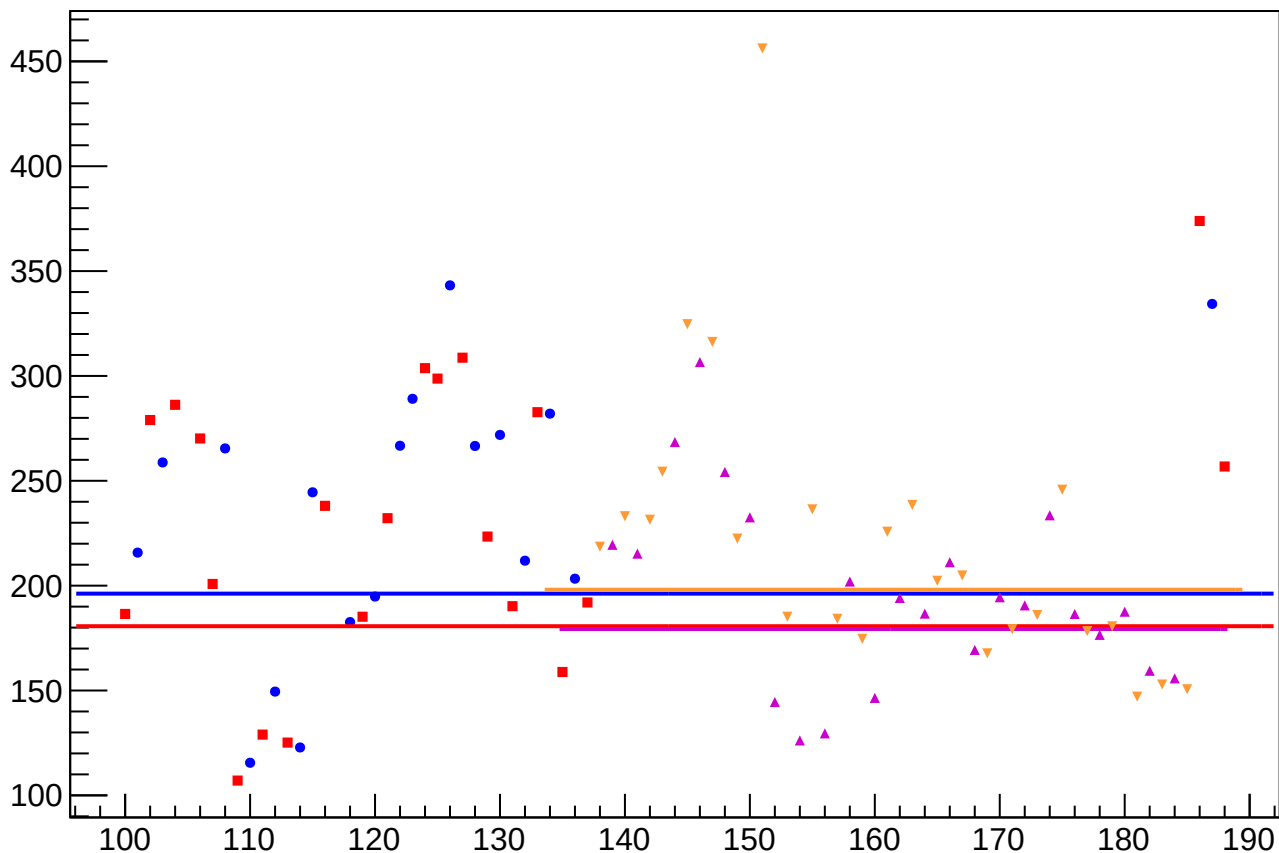
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign 26.036 ± 41.029 χ^2/NDF : 17.8/42

All: 0.778 ± 27.646 χ^2/NDF : 34.2/86

- sign -20.228 ± 37.416 χ^2/NDF : 15.7/43

asym_bcm_an_ds3_rms vs Slug



Right In: 196.193 $\pm$ 0.056 χ^2 /NDF: 1062358.5/17

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF: 1778526.5/24

Right Out: 180.661 $\pm$ 0.048 χ^2 /NDF: 1944653.8/20

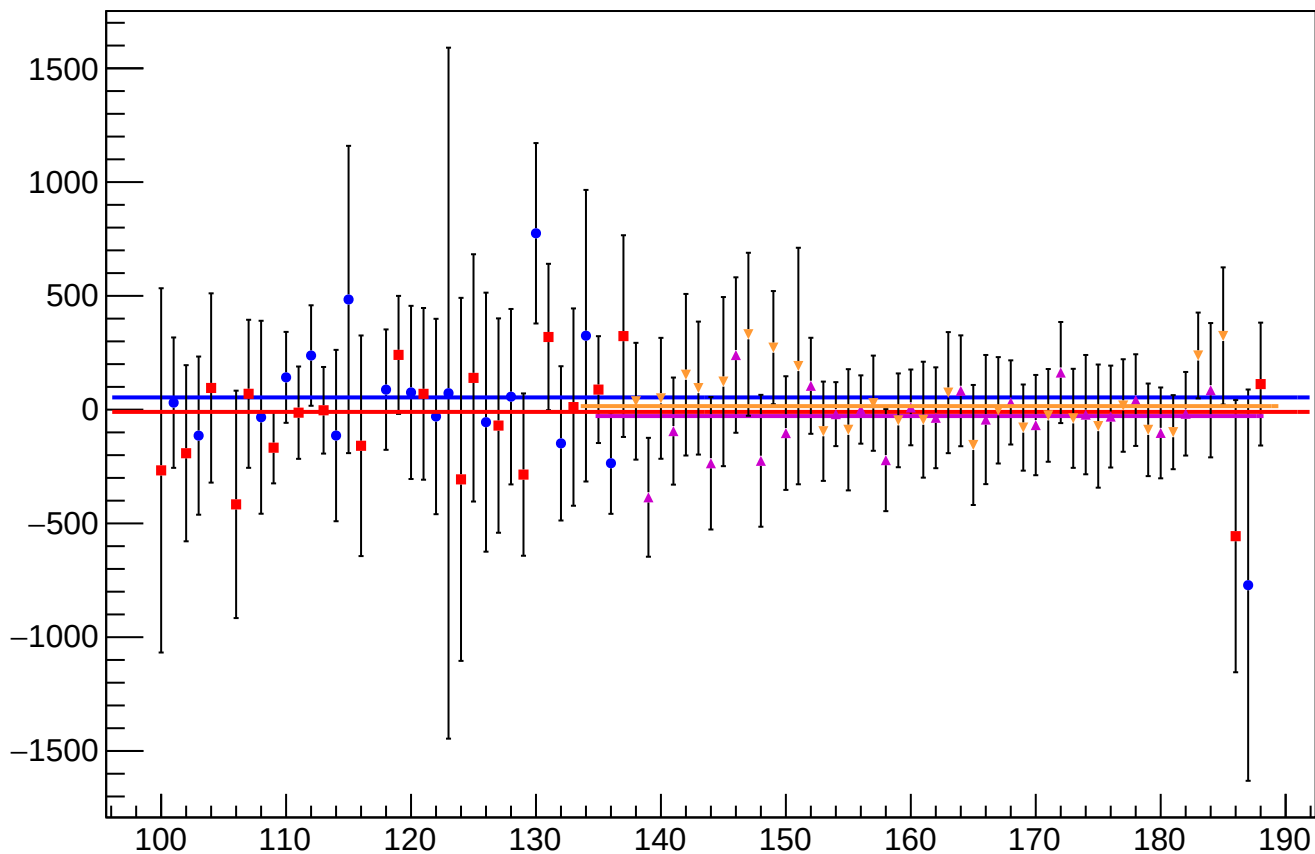
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF: 1618266.2/22

+ sign 197.567 $\pm$ 0.029 χ^2 /NDF: 2841688.6/42

All: 187.829 $\pm$ 0.020 χ^2 /NDF: 6611494.4/86

- sign 179.731 $\pm$ 0.026 χ^2 /NDF: 3563460.8/43

asym_bcm_an_us_mean vs Slug



Right In: 53.746 $\pm$ 79.869 χ^2 /NDF: 8.3/17

Left Out: 15.437 $\pm$ 47.695 χ^2 /NDF: 7.0/24

Right Out: -9.923 $\pm$ 67.686 χ^2 /NDF: 6.8/20

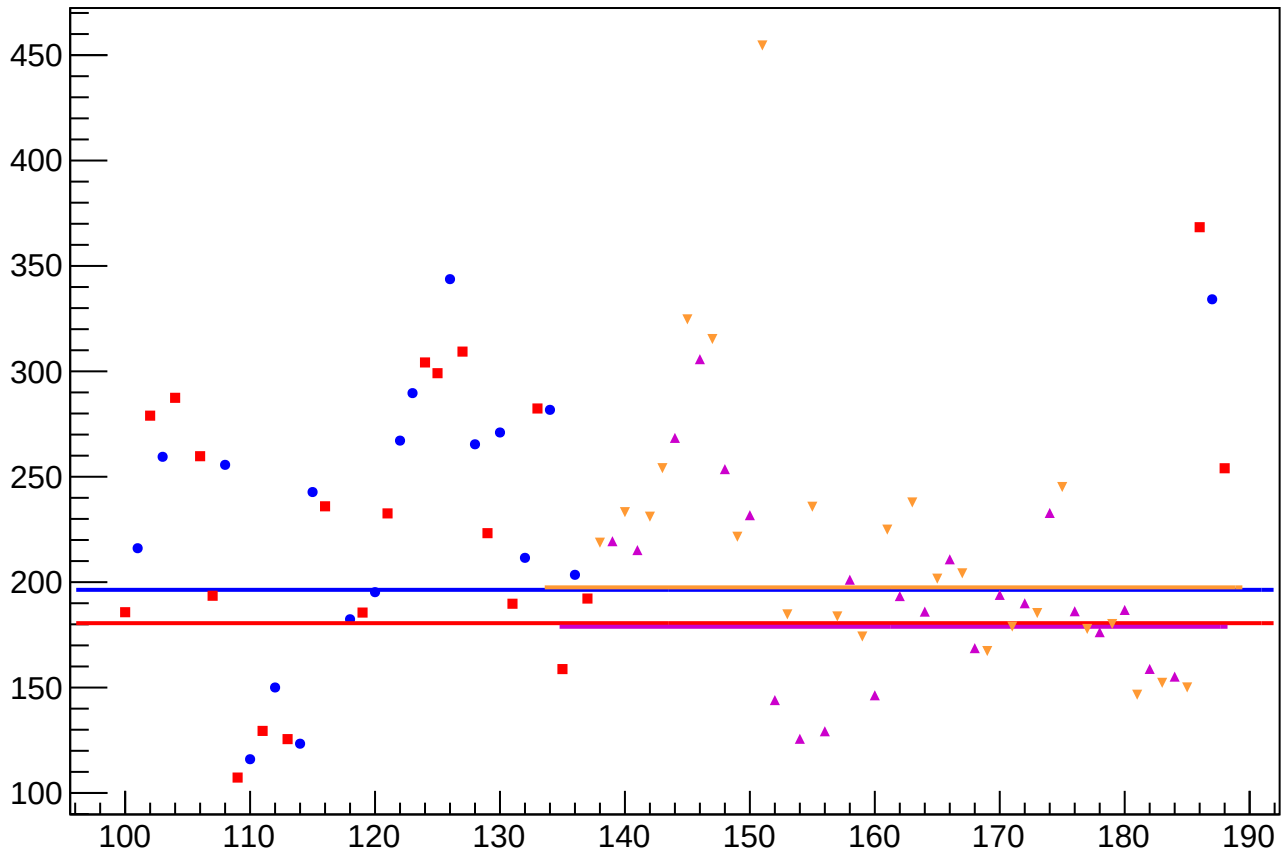
Left In: -28.277 $\pm$ 44.743 χ^2 /NDF: 6.4/22

+ sign 25.507 $\pm$ 40.949 χ^2 /NDF: 15.5/42

All: -0.821 $\pm$ 27.585 χ^2 /NDF: 29.5/86

- sign -22.696 $\pm$ 37.325 χ^2 /NDF: 13.2/43

asym_bcm_an_us_rms vs Slug



Right In: 196.356 $\pm$ 0.056 χ^2 /NDF: 1040148.1/17

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 180.545 $\pm$ 0.048 χ^2 /NDF: 1907986.2/20

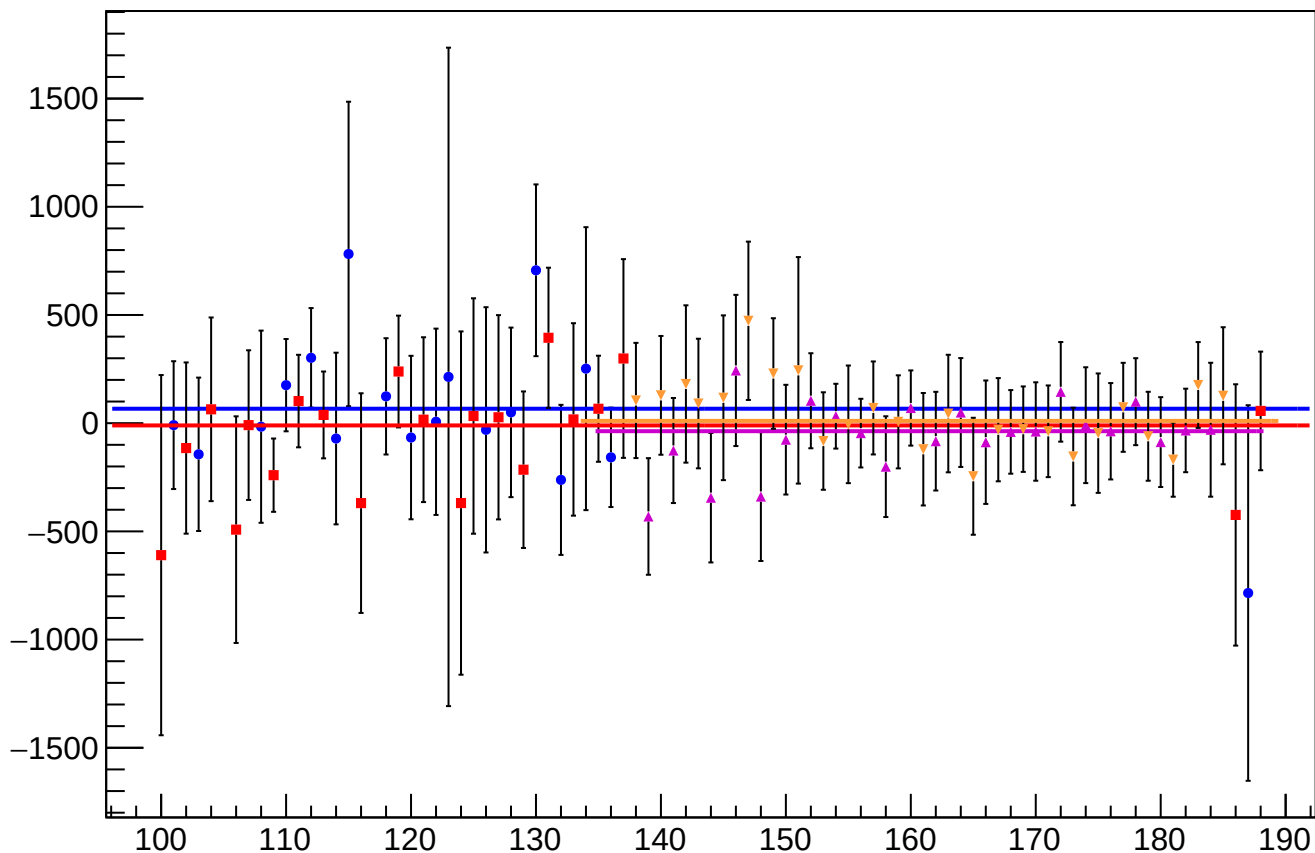
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 197.219 $\pm$ 0.029 χ^2 /NDF: 2824690.6/42

All: 187.462 $\pm$ 0.020 χ^2 /NDF: 6563725.4/86

- sign 179.356 $\pm$ 0.026 χ^2 /NDF: 3531141.2/43

asym_bcm_dg_us_mean vs Slug



Right In: 66.799 ± 82.368 χ^2/NDF : 8.6/17

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: -10.360 ± 70.376 χ^2/NDF : 8.3/20

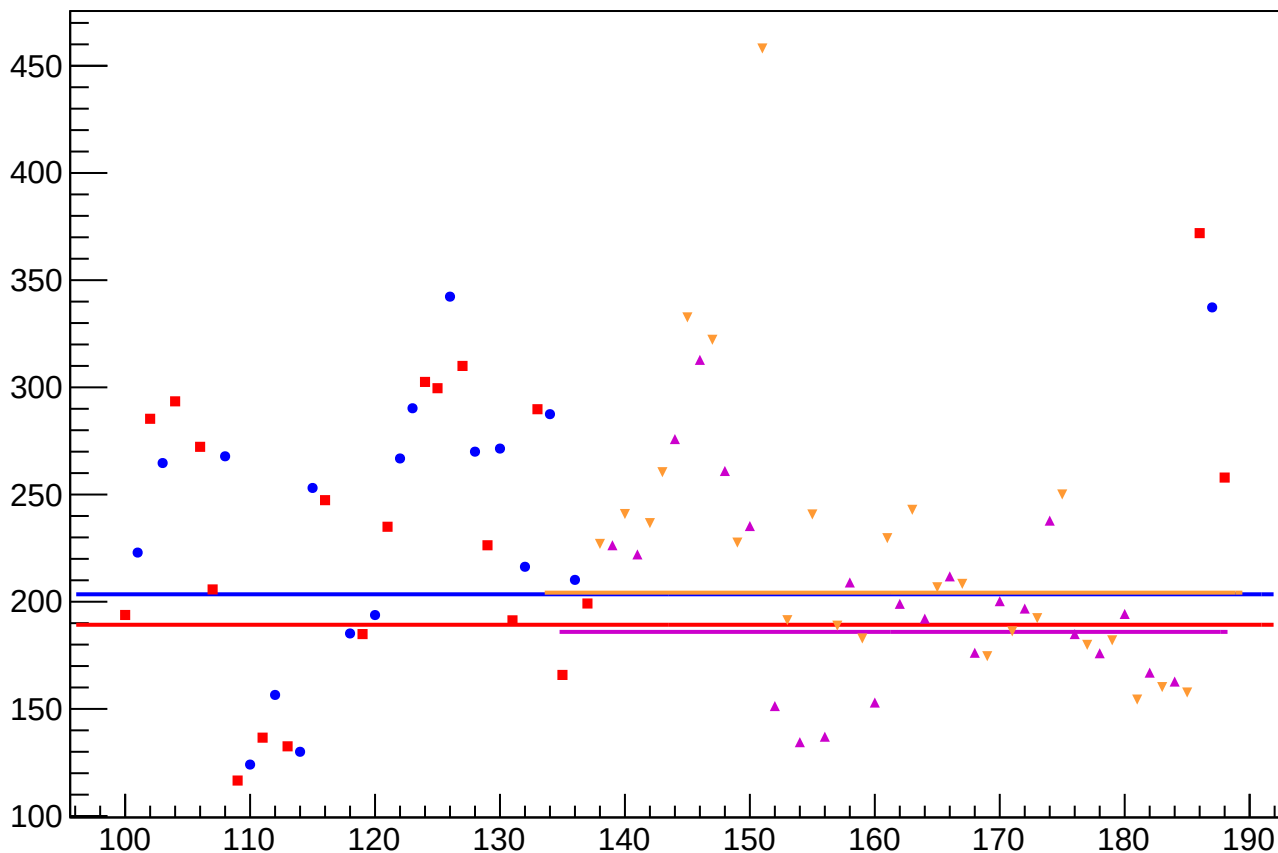
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign 25.328 ± 42.236 χ^2/NDF : 16.4/42

All: -4.162 ± 28.539 χ^2/NDF : 33.6/86

- sign -28.938 ± 38.713 χ^2/NDF : 16.2/43

asym_bcm_dg_us_rms vs Slug



Right In: 203.468 $\pm$ 0.058 χ^2 /NDF: 931731.8/17

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 189.255 $\pm$ 0.050 χ^2 /NDF: 1703661.9/20

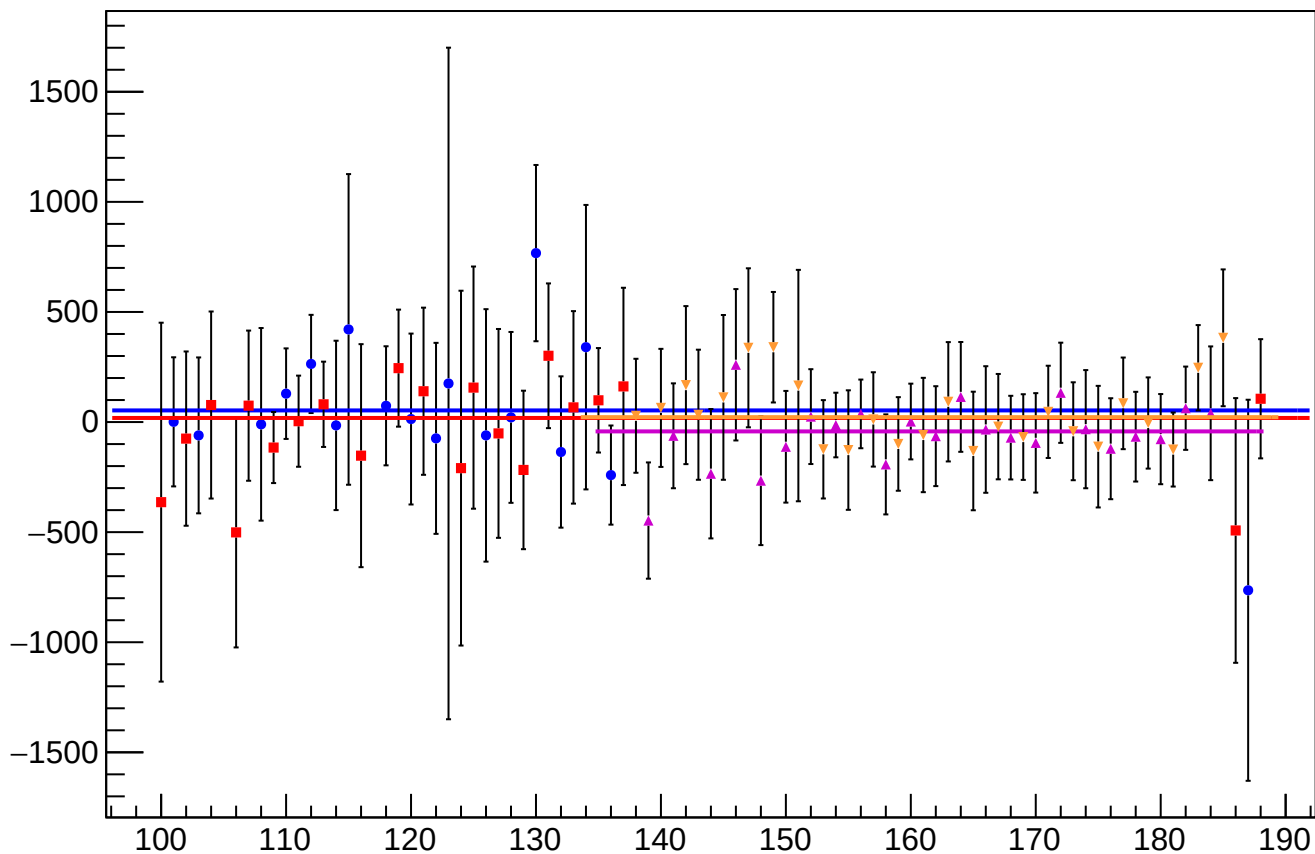
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 204.034 $\pm$ 0.030 χ^2 /NDF: 2607525.9/42

All: 194.743 $\pm$ 0.020 χ^2 /NDF: 5952451.5/86

- sign 186.937 $\pm$ 0.027 χ^2 /NDF: 3166837.4/43

asym_bcm_dg_ds_mean vs Slug



Right In: 52.845 $\pm$ 81.297 χ^2 /NDF: 7.9/17

Left Out: 22.189 $\pm$ 48.738 χ^2 /NDF: 8.4/24

Right Out: 18.586 $\pm$ 69.043 χ^2 /NDF: 5.4/20

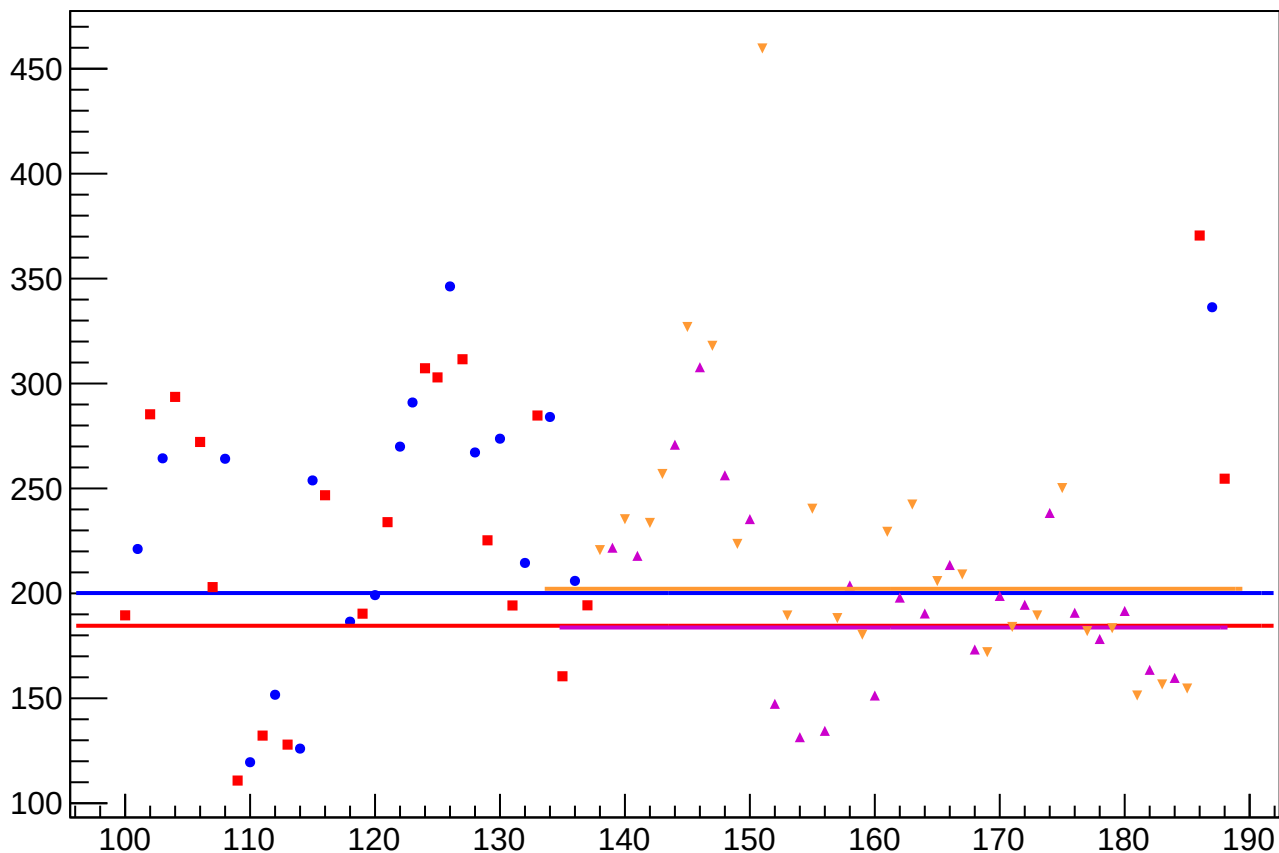
Left In: -42.446 $\pm$ 45.861 χ^2 /NDF: 6.7/22

+ sign 30.294 $\pm$ 41.802 χ^2 /NDF: 16.4/42

All: 0.838 $\pm$ 28.200 χ^2 /NDF: 30.0/86

- sign -23.762 $\pm$ 38.201 χ^2 /NDF: 12.7/43

asym_bcm_dg_ds_rms vs Slug



Right In: 200.155 $\pm$ 0.057 χ^2 /NDF: 1015753.6/17

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF:1696571.9/24

Right Out: 184.569 $\pm$ 0.049 χ^2 /NDF: 1867365.3/20

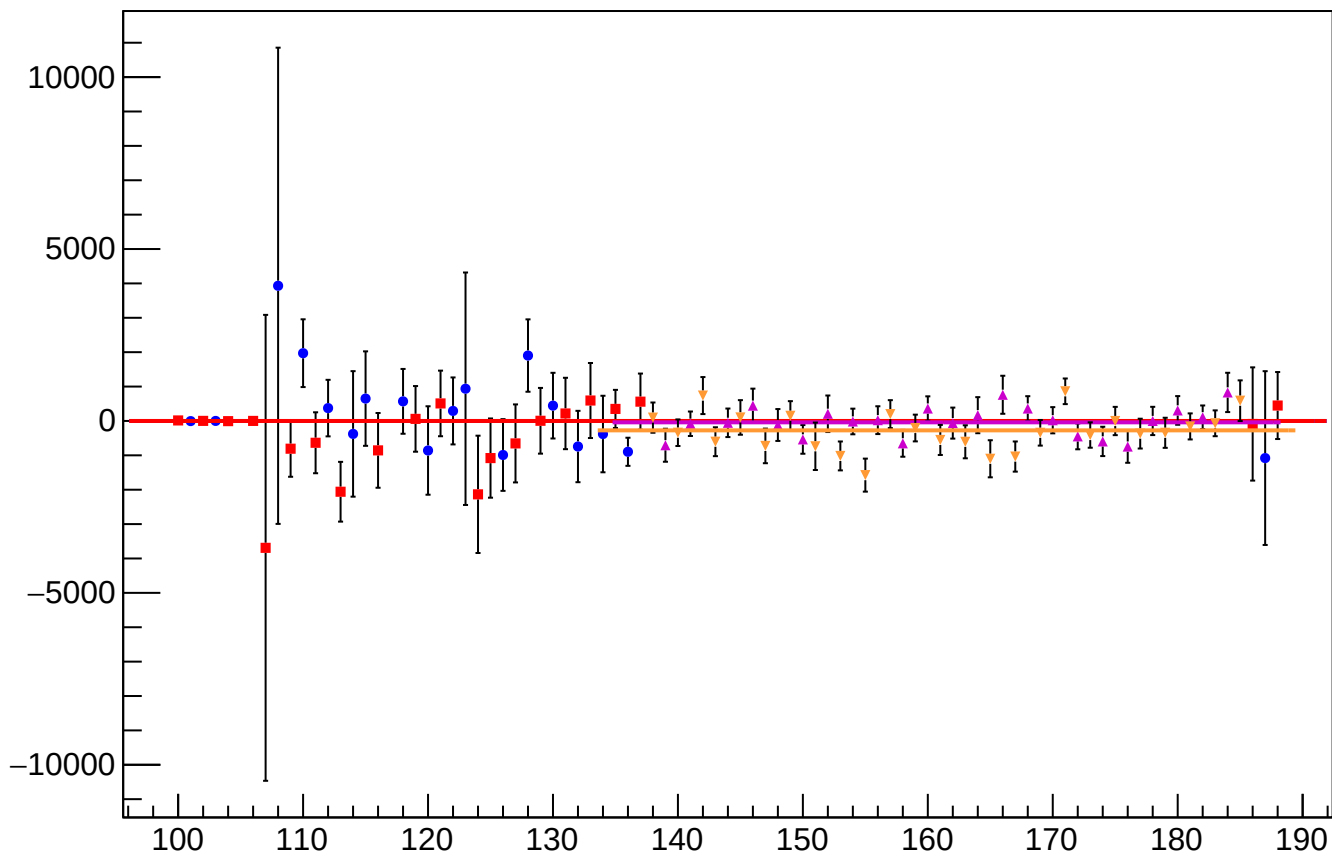
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF:1495930.4/22

+ sign 201.649 $\pm$ 0.030 χ^2 /NDF: 2713243.6/42

All: 192.026 $\pm$ 0.020 χ^2 /NDF: 6271276.2/86

- sign 183.988 $\pm$ 0.027 χ^2 /NDF: 3363499.6/43

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.1/17

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.729 ± 2.111 χ^2/NDF : 18.4/20

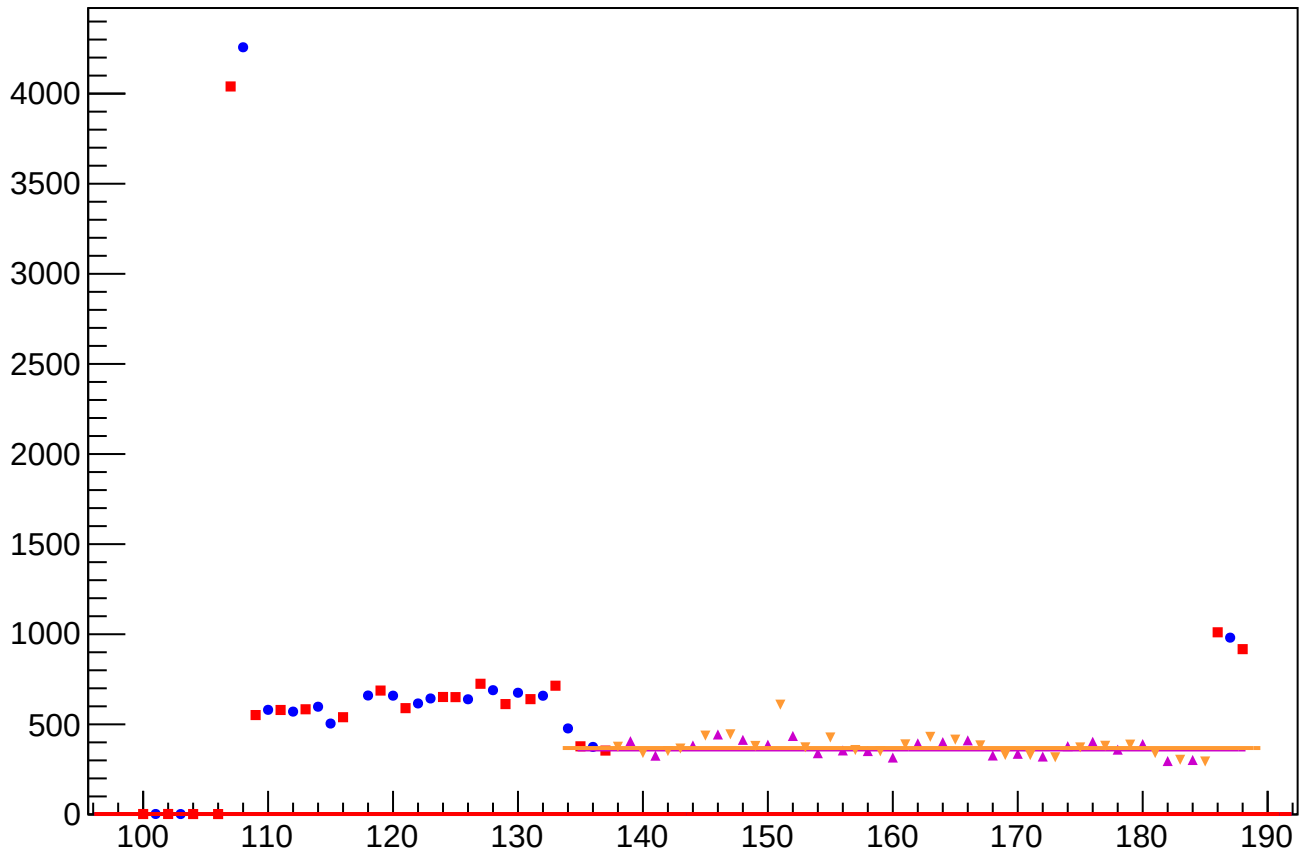
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.712 ± 2.251 χ^2/NDF : 65.2/42

All: -1.201 ± 1.540 χ^2/NDF : 104.1/86

- sign -0.752 ± 2.111 χ^2/NDF : 38.8/43

asym_cav4bQ_rms vs Slug



Right In: 2.457 $\pm$ 0.002 χ^2 /NDF: 10967067.2/17

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.442 $\pm$ 0.001 χ^2 /NDF: 13607644.6/20

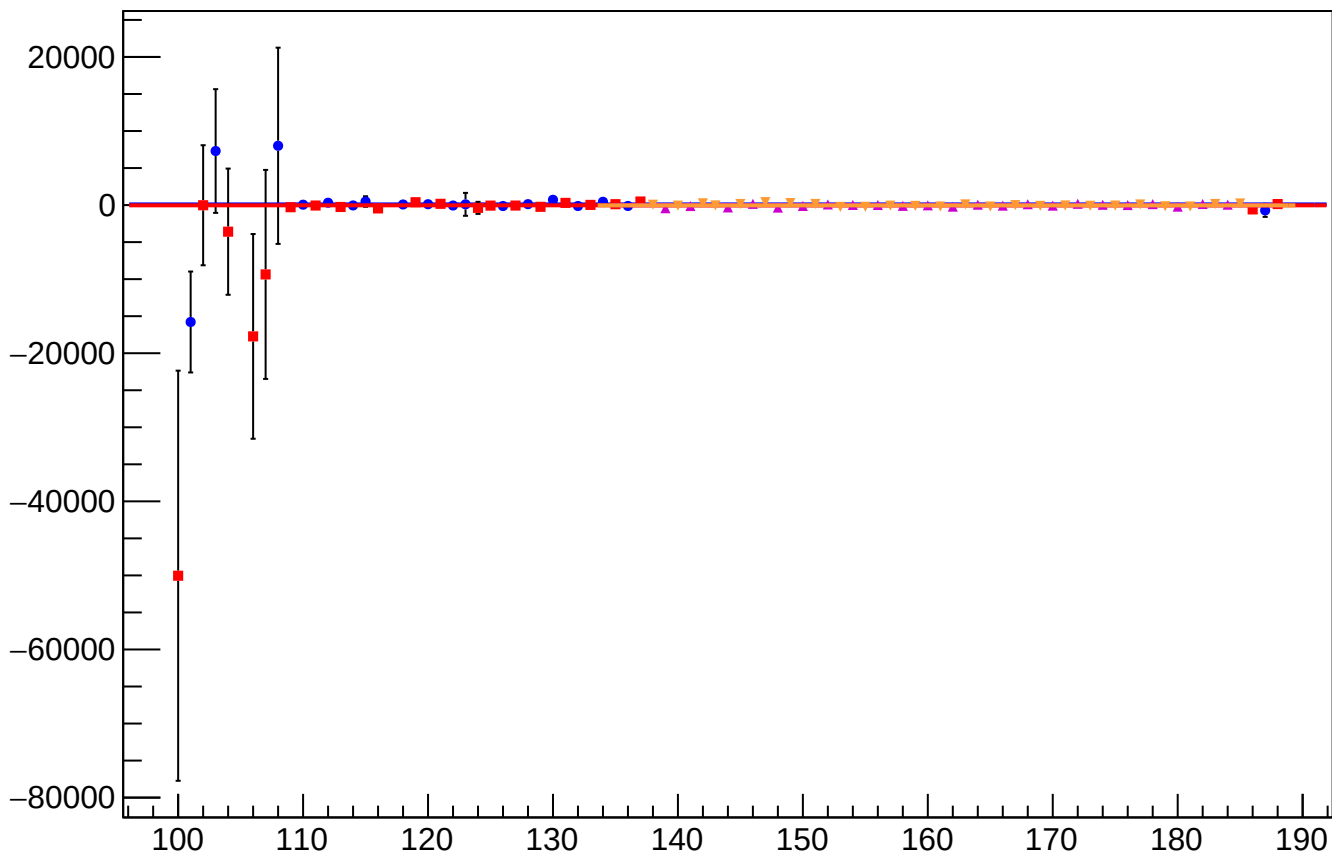
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.702 $\pm$ 0.002 χ^2 /NDF: 47077220.4/42

All: 2.675 $\pm$ 0.001 χ^2 /NDF: 94614612.1/86

- sign 2.651 $\pm$ 0.001 χ^2 /NDF: 47536836.2/43

asym_cav4cQ_mean vs Slug



Right In: 90.529+/-91.526 χ^2/NDF : 12.9/17

Left Out: -39.036+/-49.576 χ^2/NDF : 9.1/24

Right Out: -32.949+/-80.174 χ^2/NDF : 15.3/20

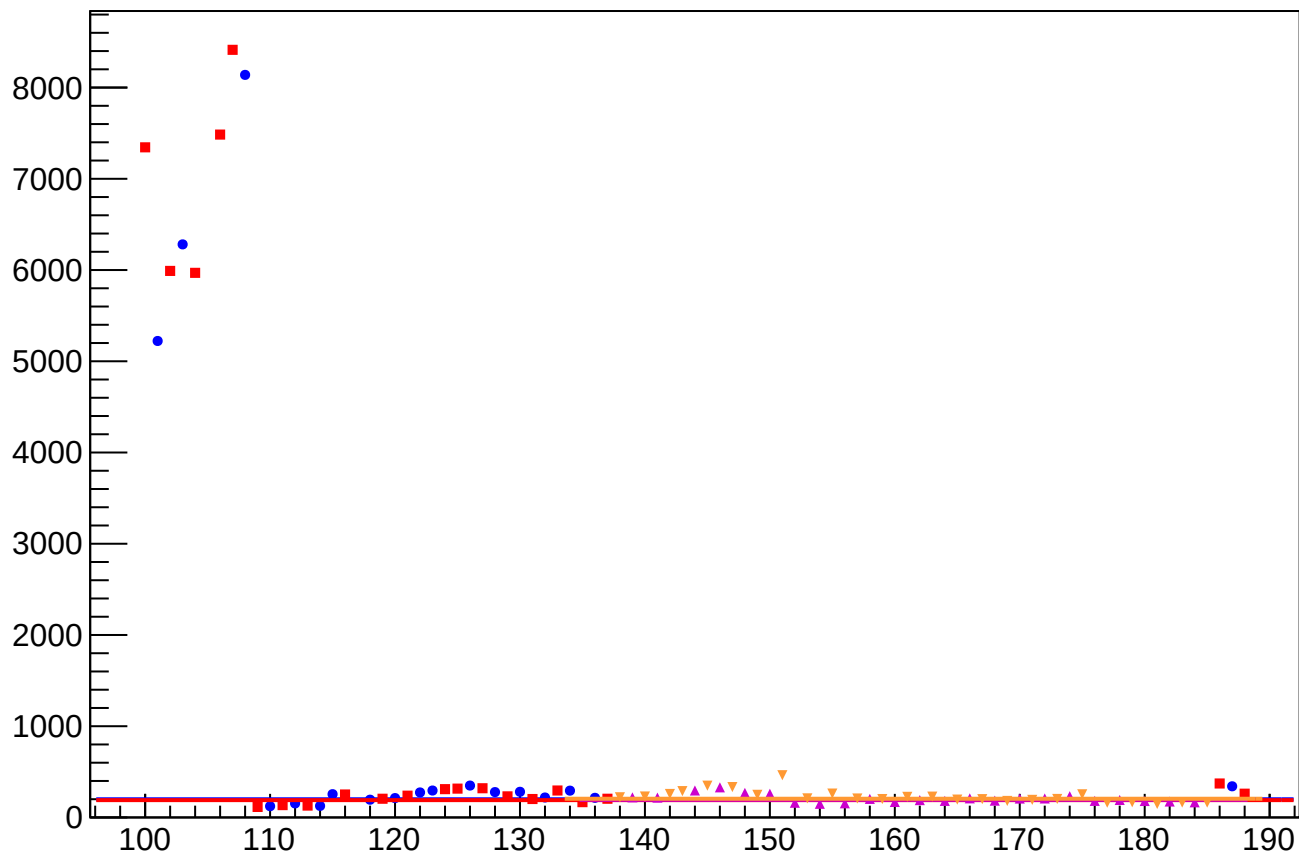
Left In: -28.062+/-48.032 χ^2/NDF : 9.6/22

+ sign -9.645+/-43.592 χ^2/NDF : 23.6/42

All: -20.053+/-29.944 χ^2/NDF : 48.6/86

- sign -29.352+/-41.203 χ^2/NDF : 24.9/43

asym_cav4cQ_rms vs Slug



Right In: 199.207 $\pm$ 0.065 χ^2 /NDF: 3752500.2/17

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF:1957484.4/24

Right Out: 189.935 $\pm$ 0.057 χ^2 /NDF: 4656608.9/20

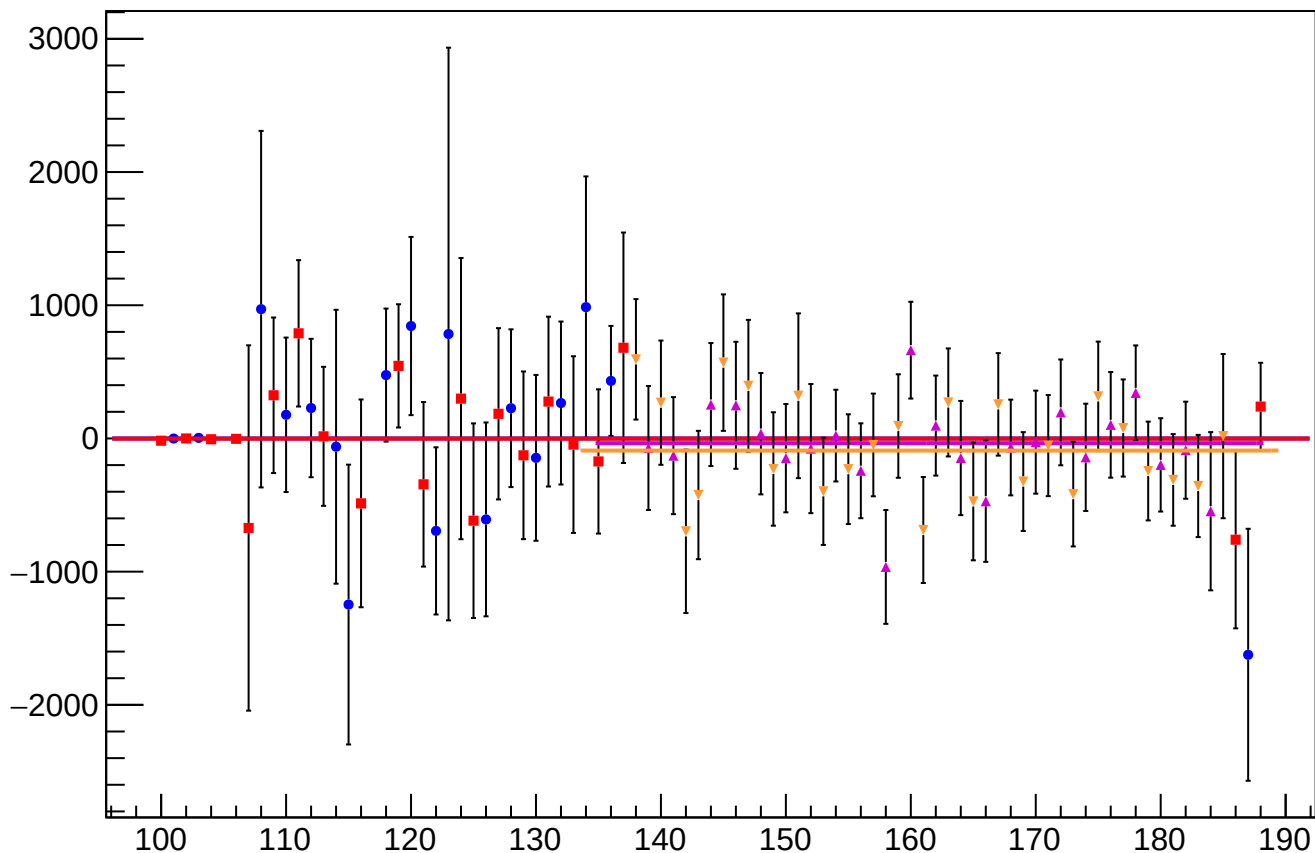
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 203.774 $\pm$ 0.031 χ^2 /NDF: 5716424.5/42

All: 197.896 $\pm$ 0.021 χ^2 /NDF: 11624466.4/86

- sign 192.644 $\pm$ 0.029 χ^2 /NDF: 5839182.5/43

asym_cav4dQ_mean vs Slug



Right In: -0.146 ± 1.737 χ^2/NDF : 13.1/17

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.321 ± 1.623 χ^2/NDF : 11.1/20

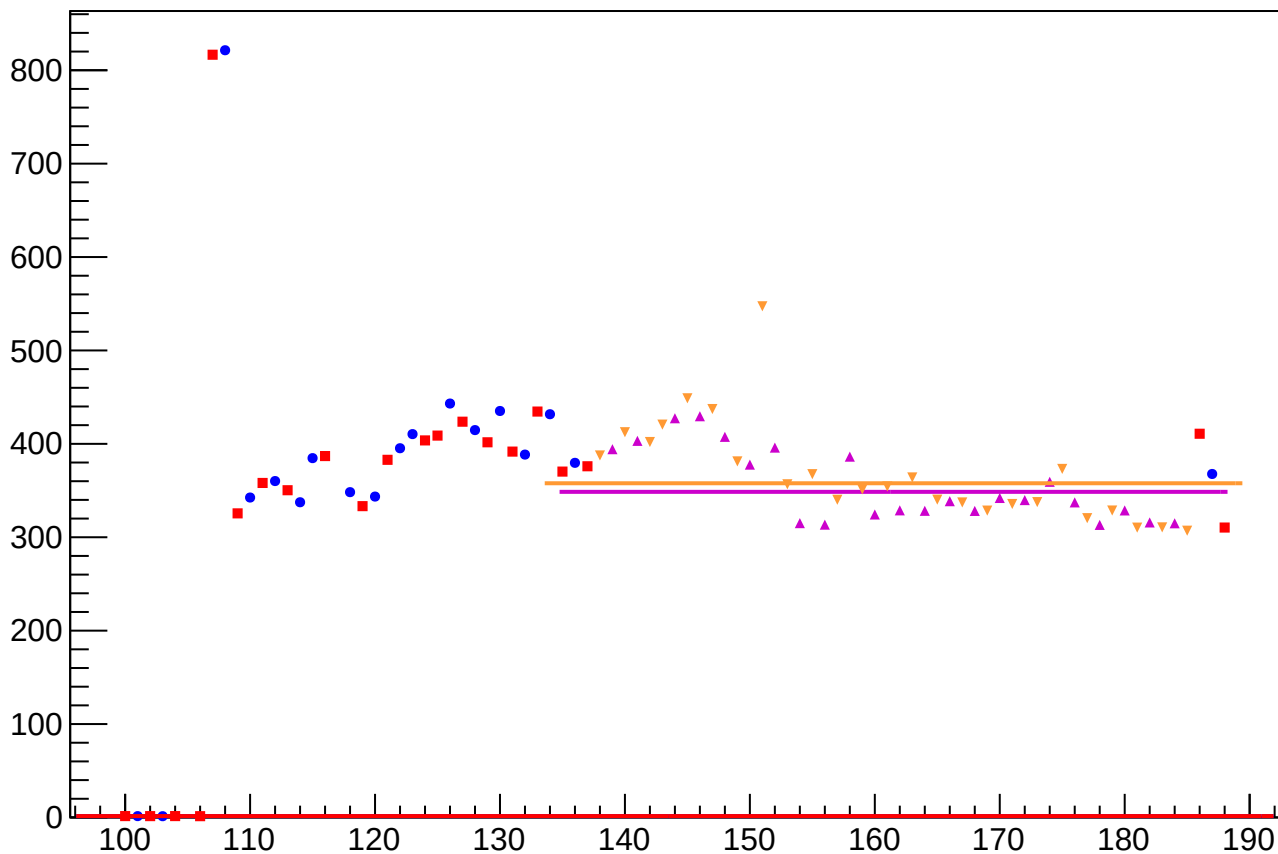
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.185 ± 1.736 χ^2/NDF : 30.7/42

All: -0.798 ± 1.185 χ^2/NDF : 55.6/86

- sign -1.334 ± 1.622 χ^2/NDF : 24.7/43

asym_cav4dQ_rms vs Slug



Right In: 1.453 $\pm$ 0.001 χ^2/NDF : 11071583.7/17

Left Out: 357.804 $\pm$ 0.059 χ^2/NDF : 547036.5/24

Right Out: 1.461 $\pm$ 0.001 χ^2/NDF : 13352233.5/20

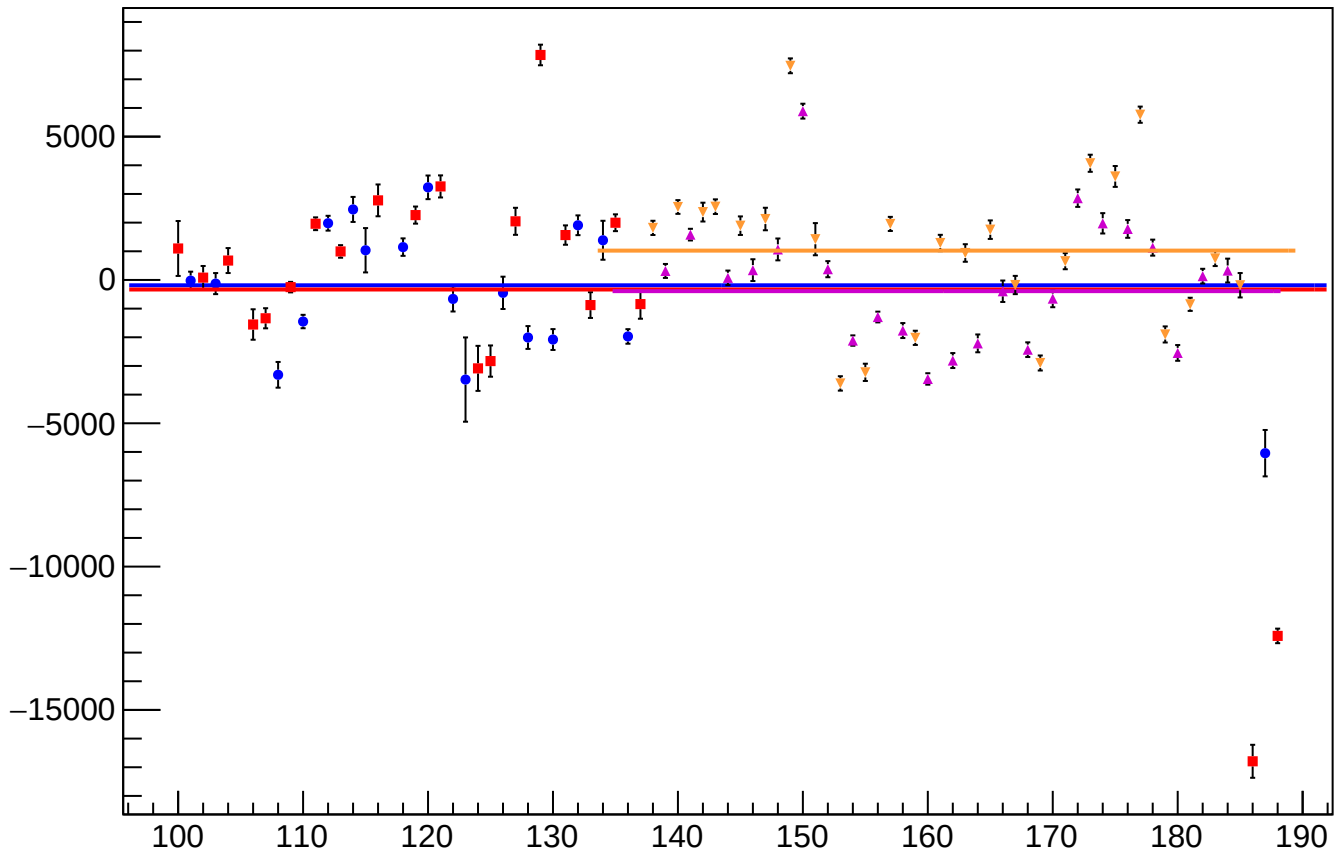
Left In: 348.611 $\pm$ 0.060 χ^2/NDF : 362511.2/22

+ sign 1.605 $\pm$ 0.001 χ^2/NDF : 47529831.6/42

All: 1.597 $\pm$ 0.001 χ^2/NDF : 95082376.7/86

- sign 1.589 $\pm$ 0.001 χ^2/NDF : 47552454.1/43

asym_bcm0l02_mean vs Slug



Right In: -186.585 ± 87.797 χ^2/NDF : 473.4/17

Left Out: 1023.439 ± 57.338 χ^2/NDF : 2309.4/24

Right Out: -332.954 ± 74.339 χ^2/NDF : 4115.0/20

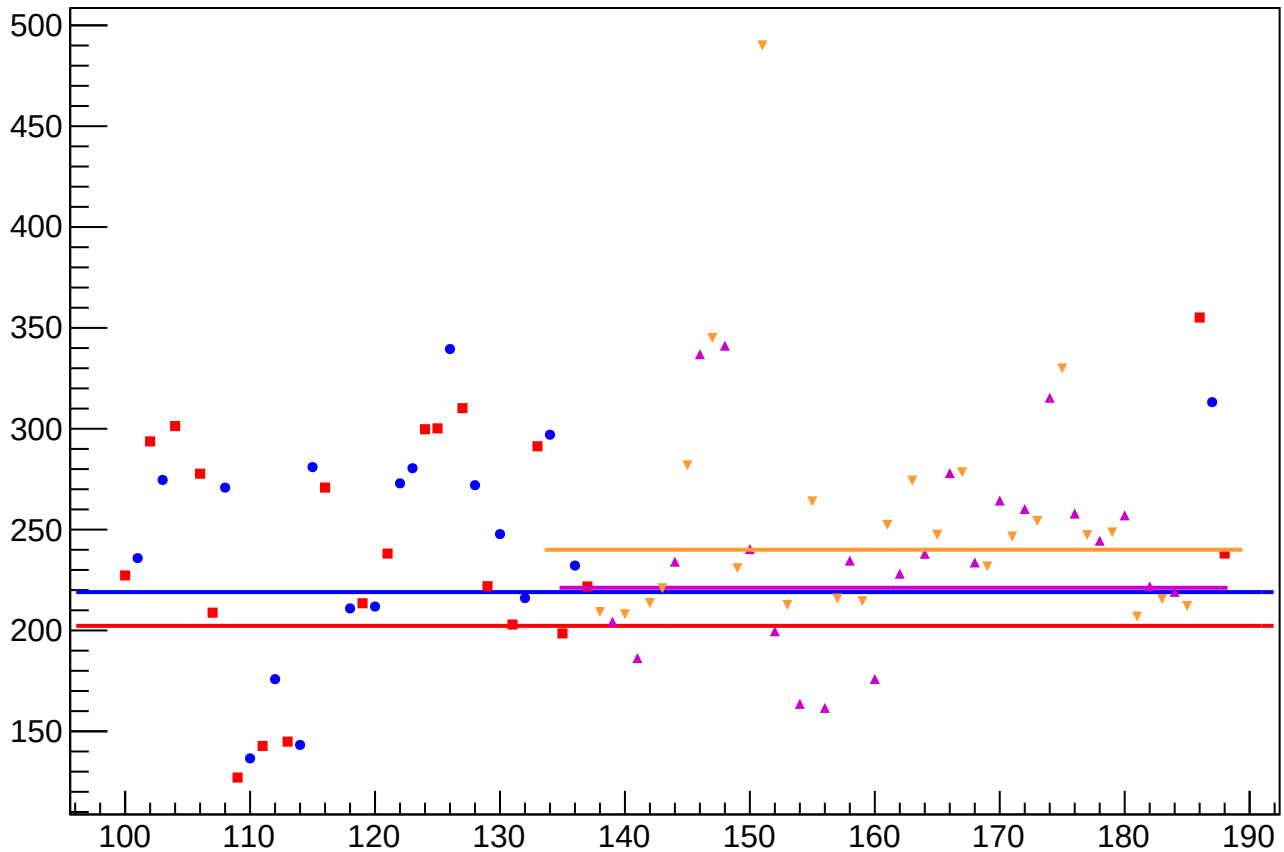
Left In: -390.237 ± 54.931 χ^2/NDF : 1584.9/22

+ sign 661.660 ± 48.007 χ^2/NDF : 2915.9/42

All: 103.055 ± 32.508 χ^2/NDF : 8866.3/86

- sign -370.006 ± 44.179 χ^2/NDF : 5700.3/43

asym_bcm0l02_rms vs Slug



Right In: 219.018 $\pm$ 0.062 χ^2 /NDF: 689412.5/17

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 202.281 $\pm$ 0.053 χ^2 /NDF: 1382848.4/20

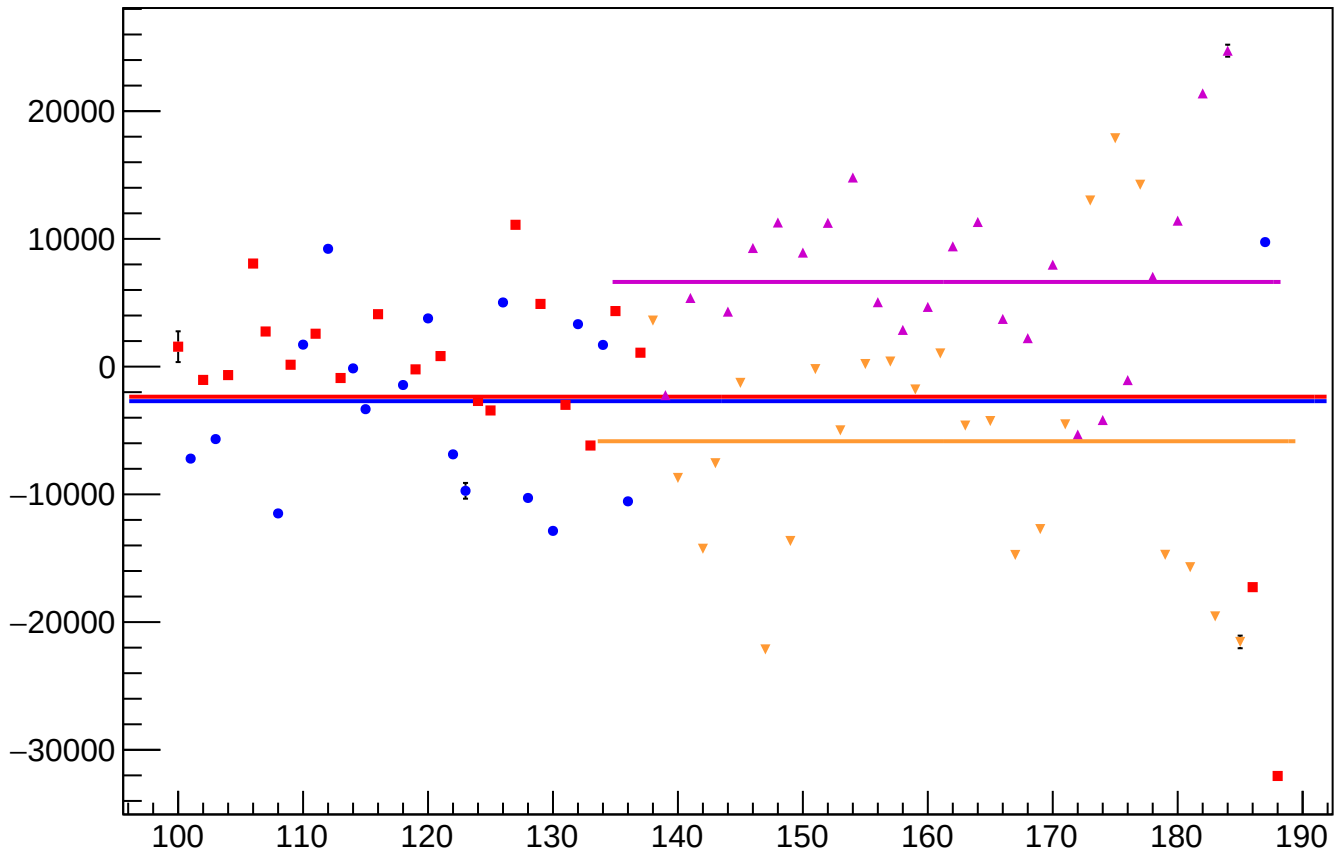
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 233.740 $\pm$ 0.034 χ^2 /NDF: 1772061.5/42

All: 223.323 $\pm$ 0.023 χ^2 /NDF: 4754894.1/86

- sign 214.501 $\pm$ 0.031 χ^2 /NDF: 2808908.7/43

asym_bpm2i01WS_mean vs Slug



Right In: -2704.313 ± 48.240 $\chi^2/\text{NDF}: 22175.0/17$

Left Out: -5841.615 ± 35.848 $\chi^2/\text{NDF}: 63397.3/24$

Right Out: -2354.989 ± 43.256 $\chi^2/\text{NDF}: 62642.2/20$

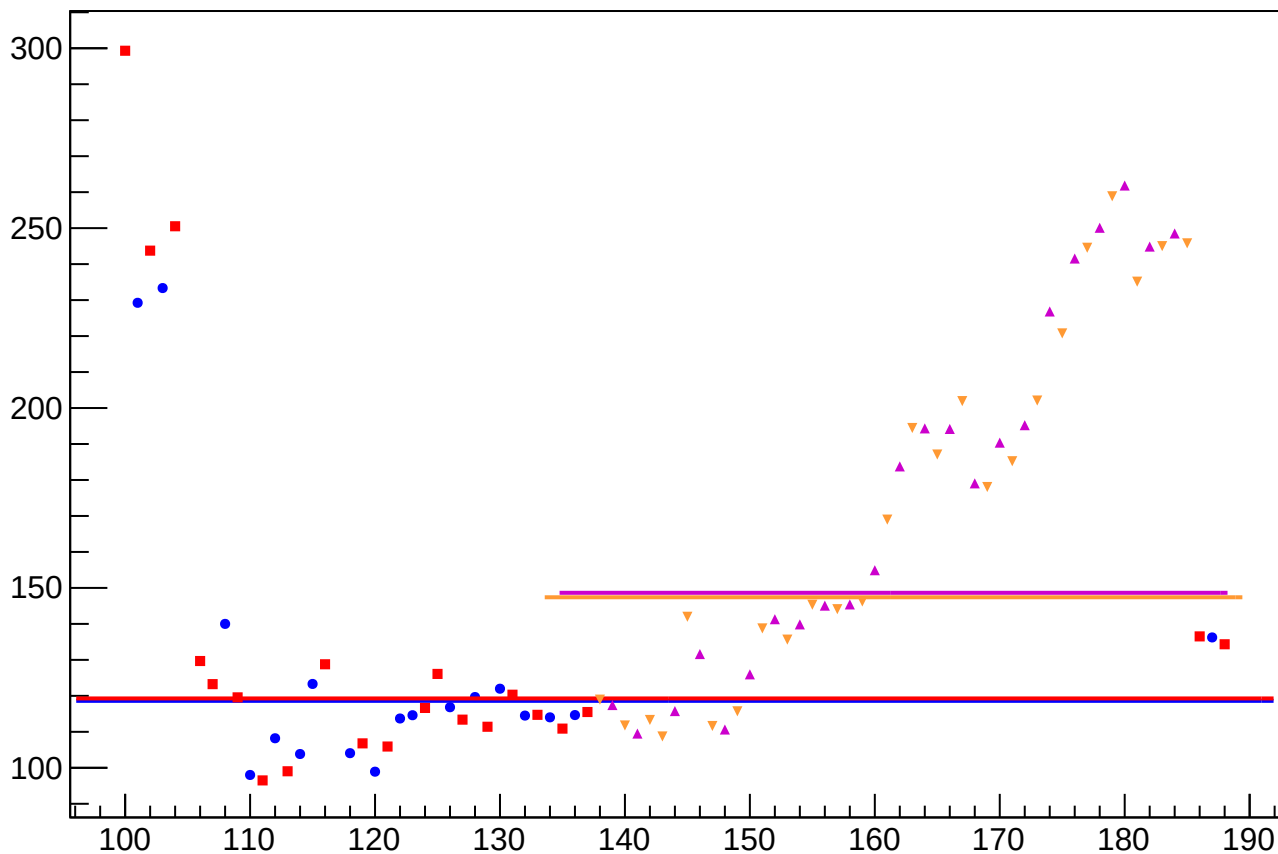
Left In: 6628.388 ± 37.160 $\chi^2/\text{NDF}: 21738.0/22$

+ sign -4725.507 ± 28.773 $\chi^2/\text{NDF}: 88297.1/42$

All: -878.306 ± 20.135 $\chi^2/\text{NDF}: 232528.4/86$

- sign 2813.837 ± 28.187 $\chi^2/\text{NDF}: 109196.0/43$

asym_bpm2i01WS_rms vs Slug



Right In: 118.613 $\pm$ 0.034 χ^2 /NDF: 642097.3/17

Left Out: 147.396 $\pm$ 0.025 χ^2 /NDF: 2517097.1/24

Right Out: 119.279 $\pm$ 0.031 χ^2 /NDF: 729161.9/20

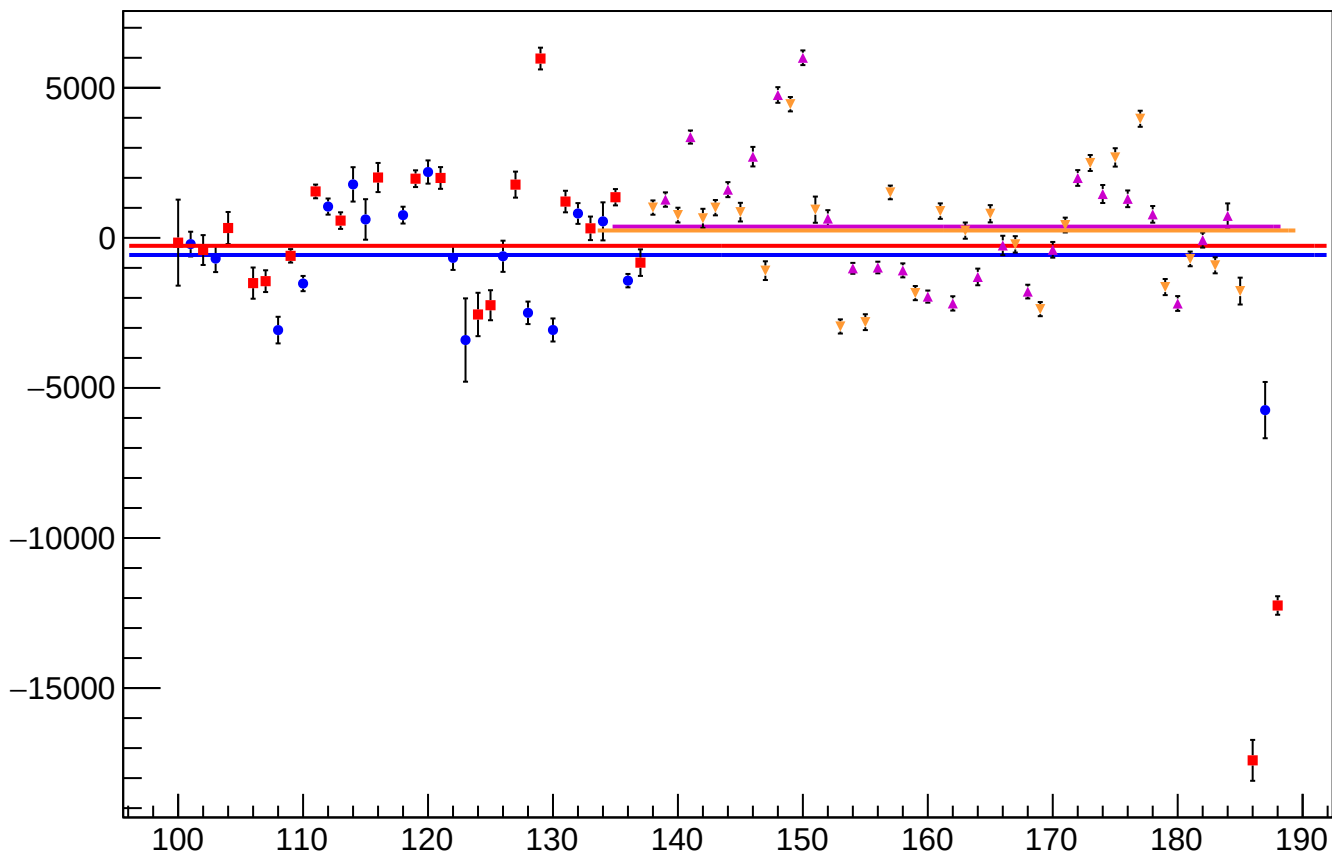
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF: 2415531.9/22

+ sign 137.156 $\pm$ 0.020 χ^2 /NDF: 3617904.3/42

All: 136.655 $\pm$ 0.014 χ^2 /NDF: 7294028.3/86

- sign 136.174 $\pm$ 0.020 χ^2 /NDF: 3674934.1/43

asym_bpm0i07WS_mean vs Slug



Right In: -570.130 ± 89.000 χ^2/NDF : 313.3/17

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -264.752 ± 78.948 χ^2/NDF : 2760.8/20

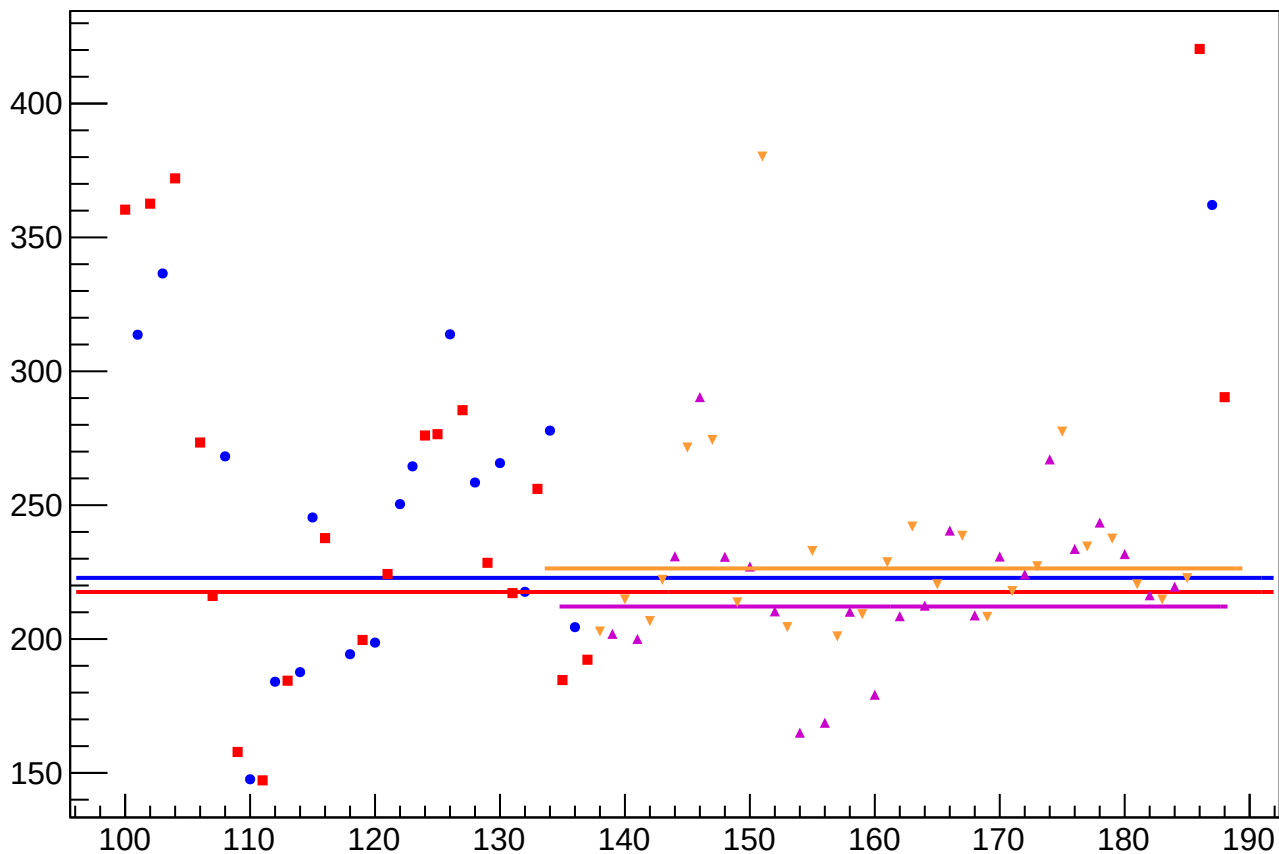
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign 29.509 ± 45.848 χ^2/NDF : 1729.9/42

All: 109.795 ± 31.504 χ^2/NDF : 6340.5/86

- sign 181.615 ± 43.364 χ^2/NDF : 4604.8/43

asym_bpm0i07WS_rms vs Slug



Right In: 222.843 $\pm$ 0.063 χ^2 /NDF: 690291.7/17

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 217.581 $\pm$ 0.056 χ^2 /NDF: 1187370.1/20

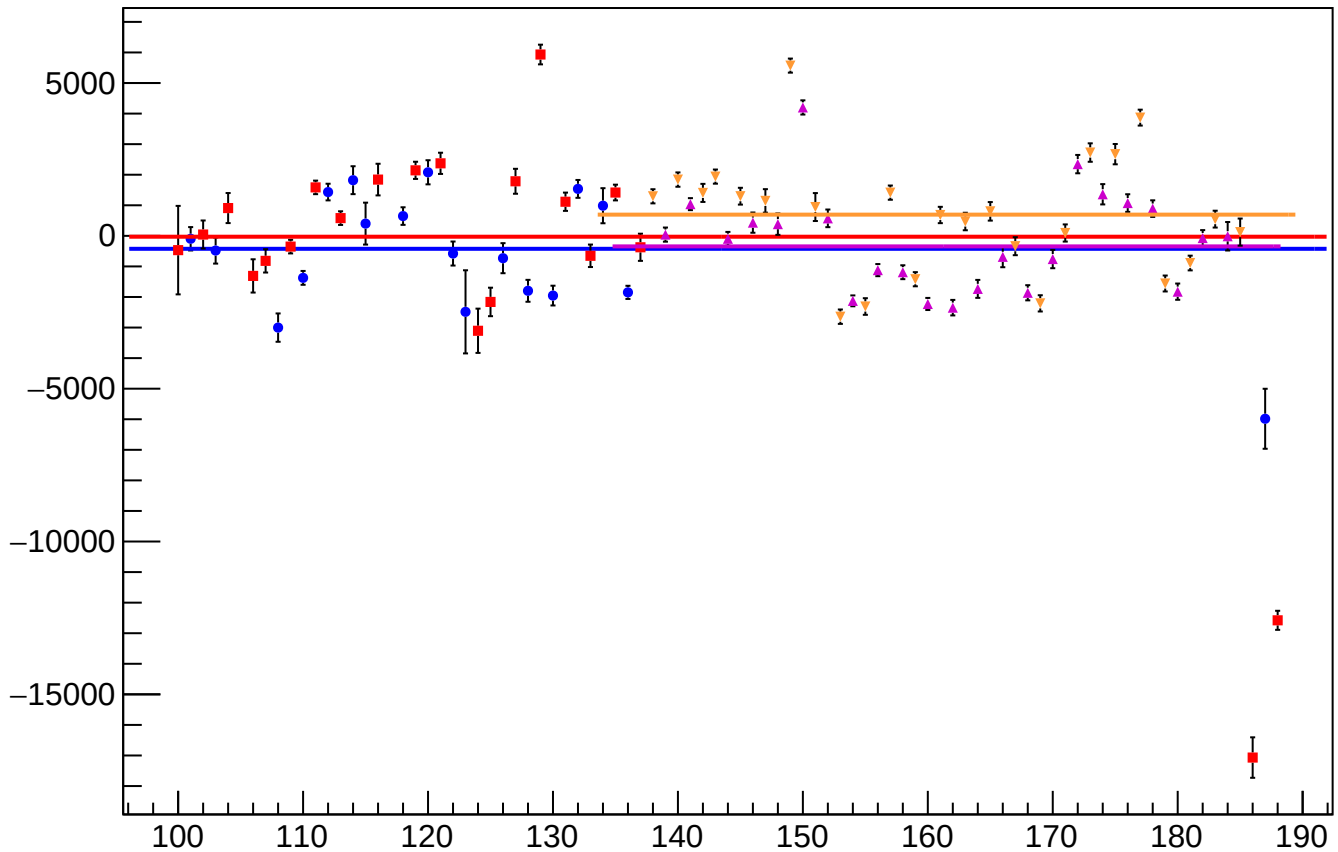
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 225.438 $\pm$ 0.032 χ^2 /NDF: 1214376.2/42

All: 219.287 $\pm$ 0.022 χ^2 /NDF: 3068265.1/86

- sign 213.785 $\pm$ 0.031 χ^2 /NDF: 1785689.3/43

asym_bpm0l01WS_mean vs Slug



Right In: -423.878 ± 84.154 χ^2/NDF : 342.2/17

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: -27.944 ± 74.904 χ^2/NDF : 2931.0/20

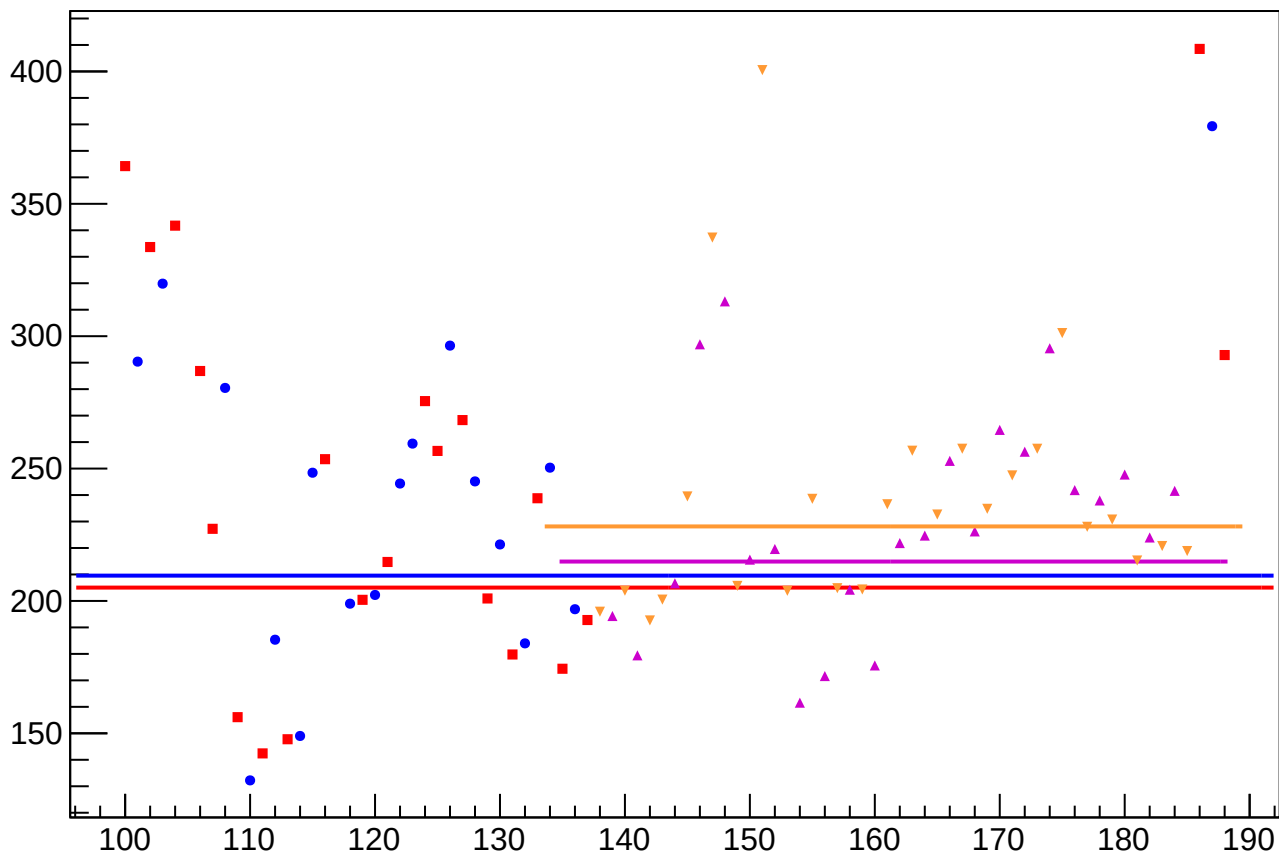
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 366.083 ± 45.595 χ^2/NDF : 1889.1/42

All: 47.480 ± 31.375 χ^2/NDF : 5909.8/86

- sign -239.062 ± 43.240 χ^2/NDF : 3928.0/43

asym_bpm0l01WS_rms vs Slug



Right In: 209.561 ± 0.060 χ^2/NDF : 759050.7/17

Left Out: 228.144 ± 0.038 χ^2/NDF : 828399.3/24

Right Out: 205.042 ± 0.053 χ^2/NDF : 1295528.0/20

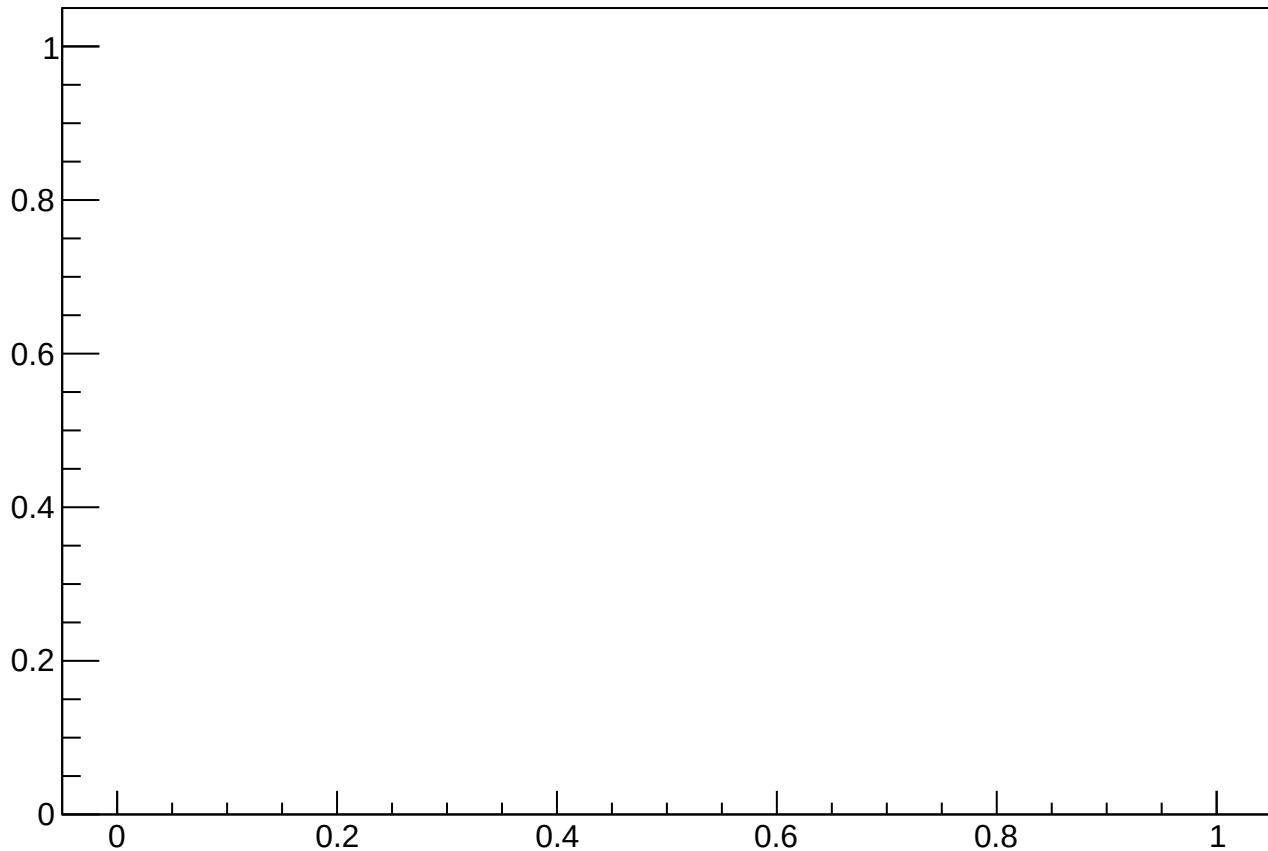
Left In: 214.878 ± 0.037 χ^2/NDF : 1037509.6/22

+ sign 222.689 ± 0.032 χ^2/NDF : 1656343.3/42

All: 216.851 ± 0.022 χ^2/NDF : 4074657.3/86

- sign 211.600 ± 0.031 χ^2/NDF : 2356034.2/43

bcm_an_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

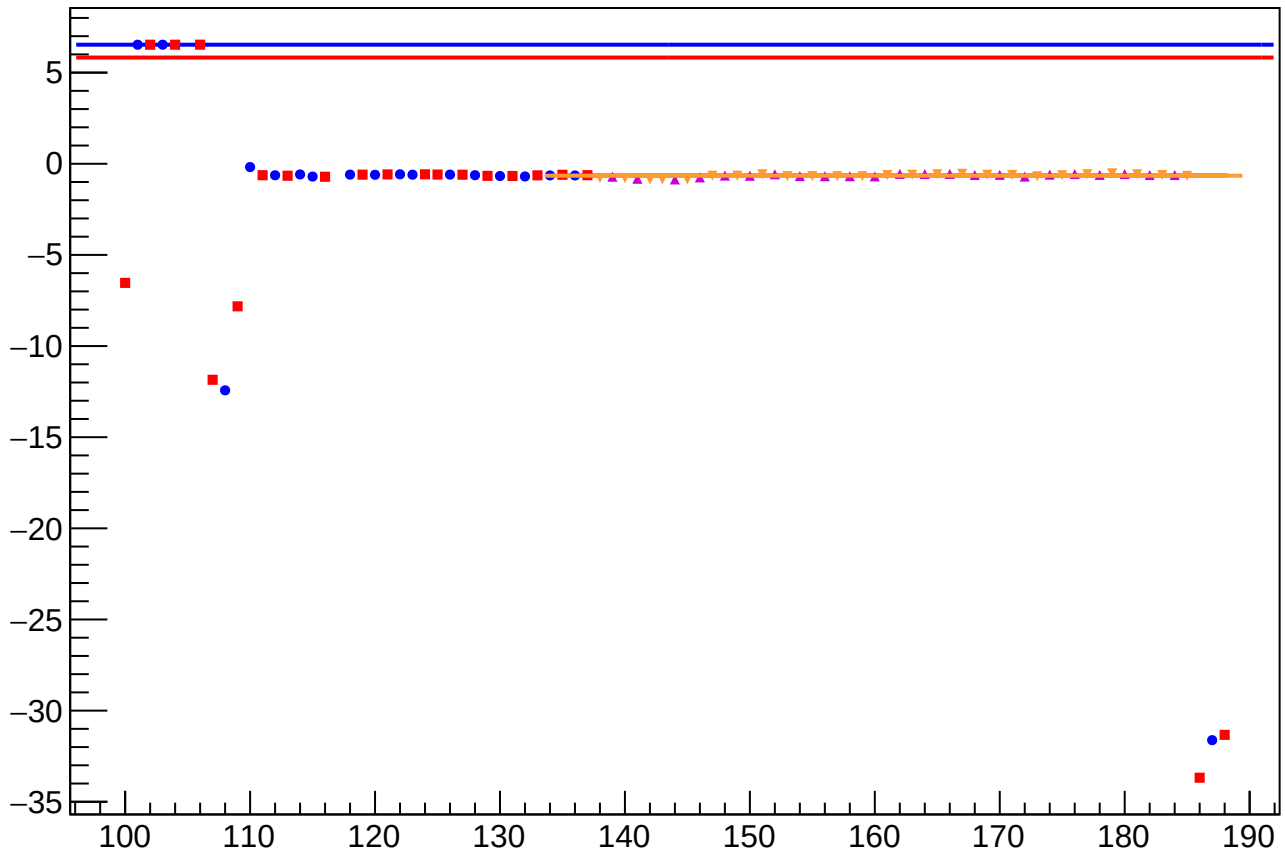
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127616000900.0/17

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001455524255.1/42

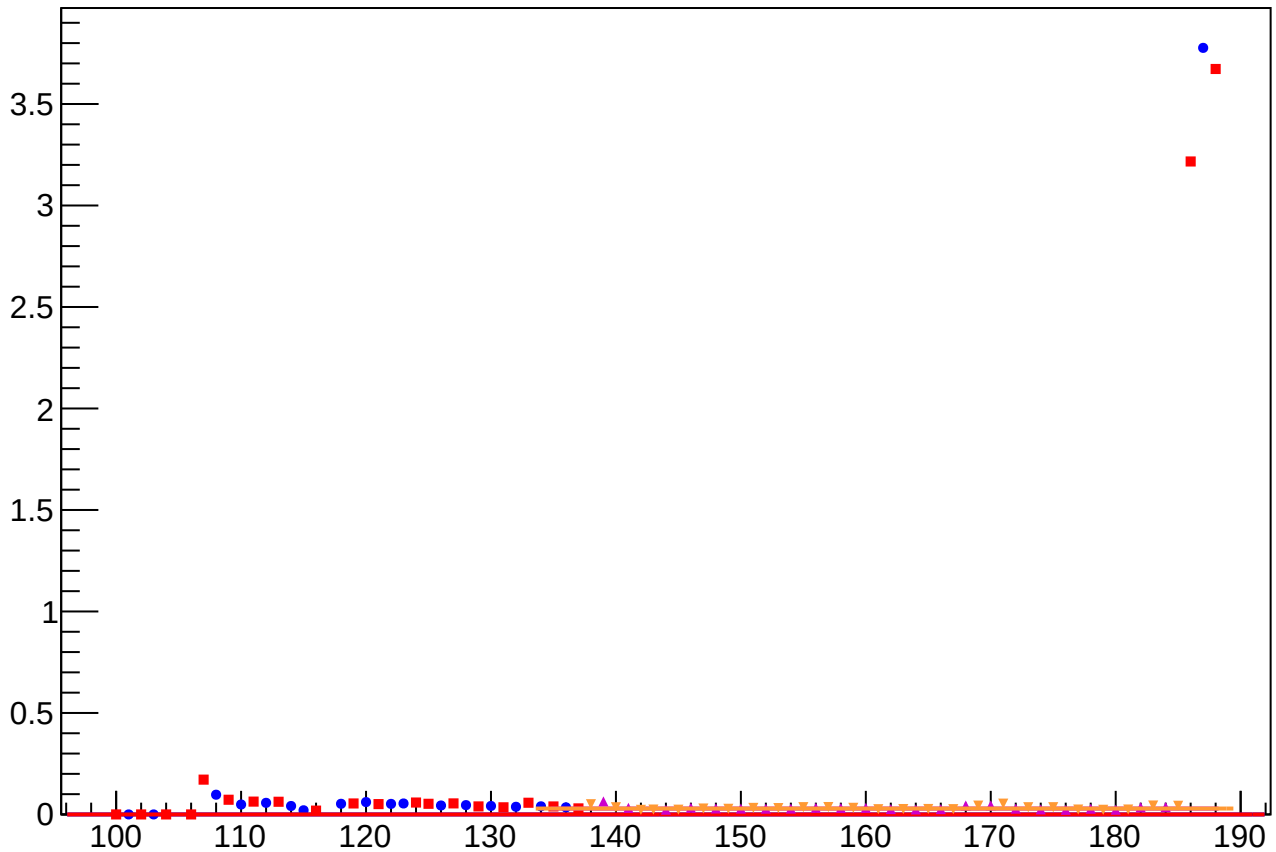
Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962031232803.0/20

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762704412011

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640494385639.0/20

Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9126835.3/17

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11736291.5/20

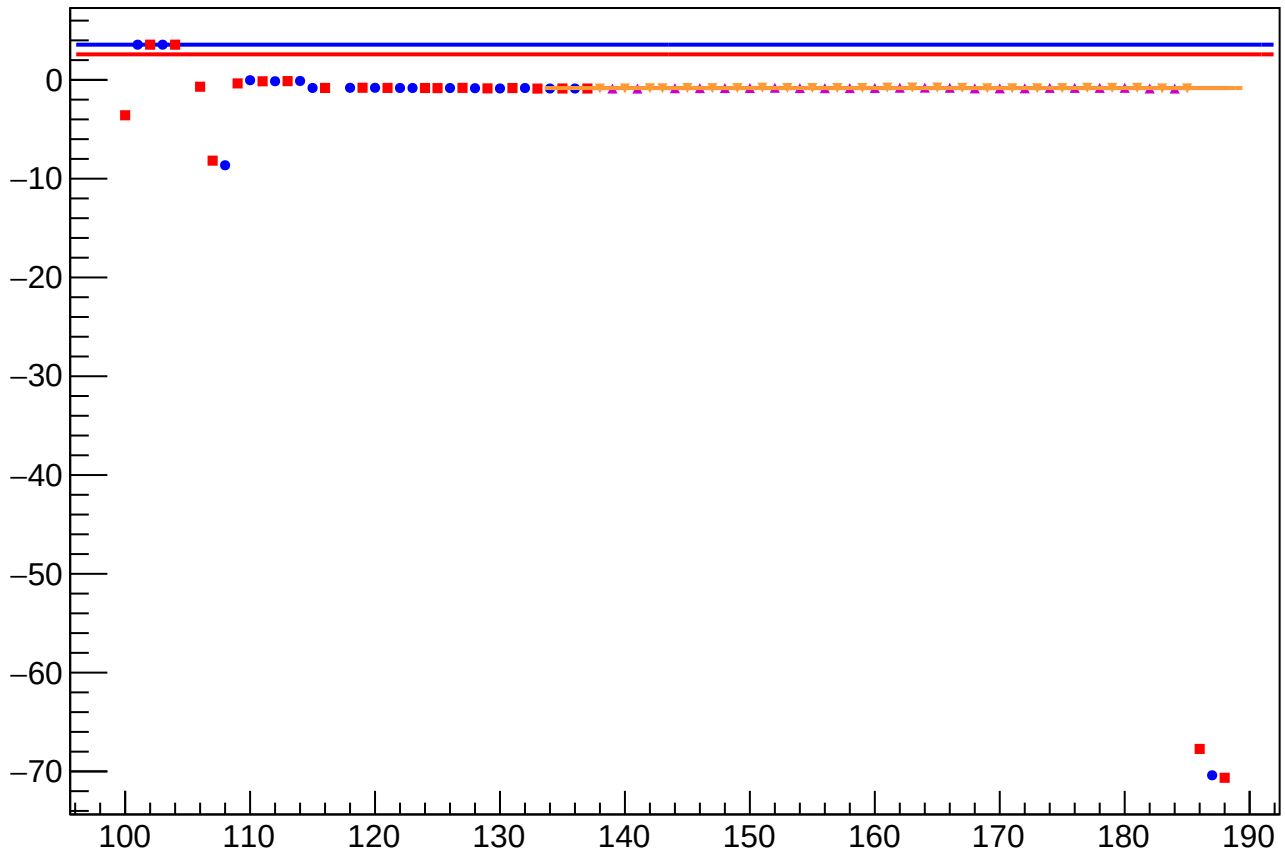
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 39090615.4/42

All: 0.000+/-0.000 χ^2/NDF : 79009434.5/86

- sign 0.000+/-0.000 χ^2/NDF : 39918151.5/43

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 480221583059.6/17

Left Out: -0.827 $\pm$ 0.000 χ^2 /NDF: 170052639.9/24

+ sign 3.560 $\pm$ 0.000 χ^2 /NDF: 4176670748074.8/42

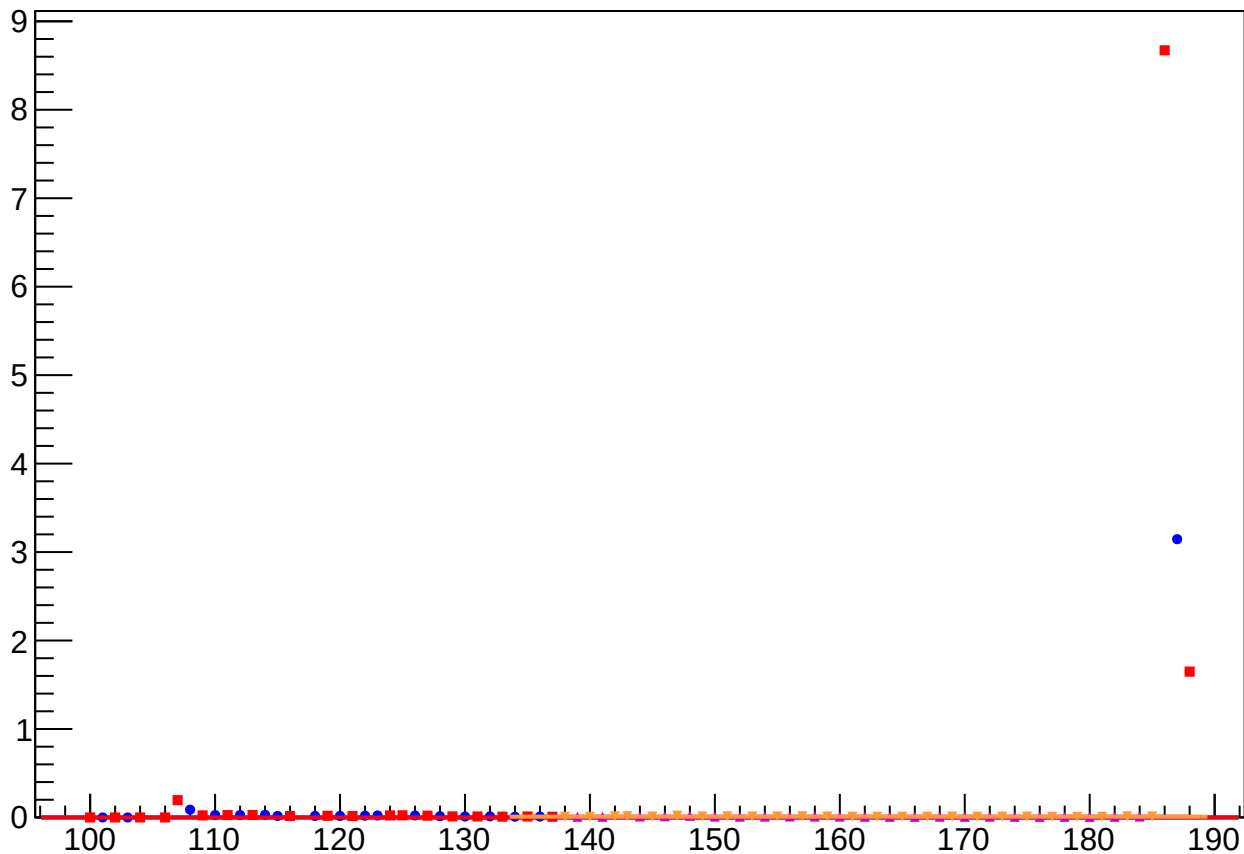
Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253502998158802.0/20

All: 3.038 $\pm$ 0.000 χ^2 /NDF: 13879789057905

- sign 2.581 $\pm$ 0.000 χ^2 /NDF: 1255724093351438.5

Left In: -0.827 $\pm$ 0.000 χ^2 /NDF: 174130375.4/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9977740.5/17

Left Out: 0.009+/-0.000 χ^2/NDF : 1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12165771.0/20

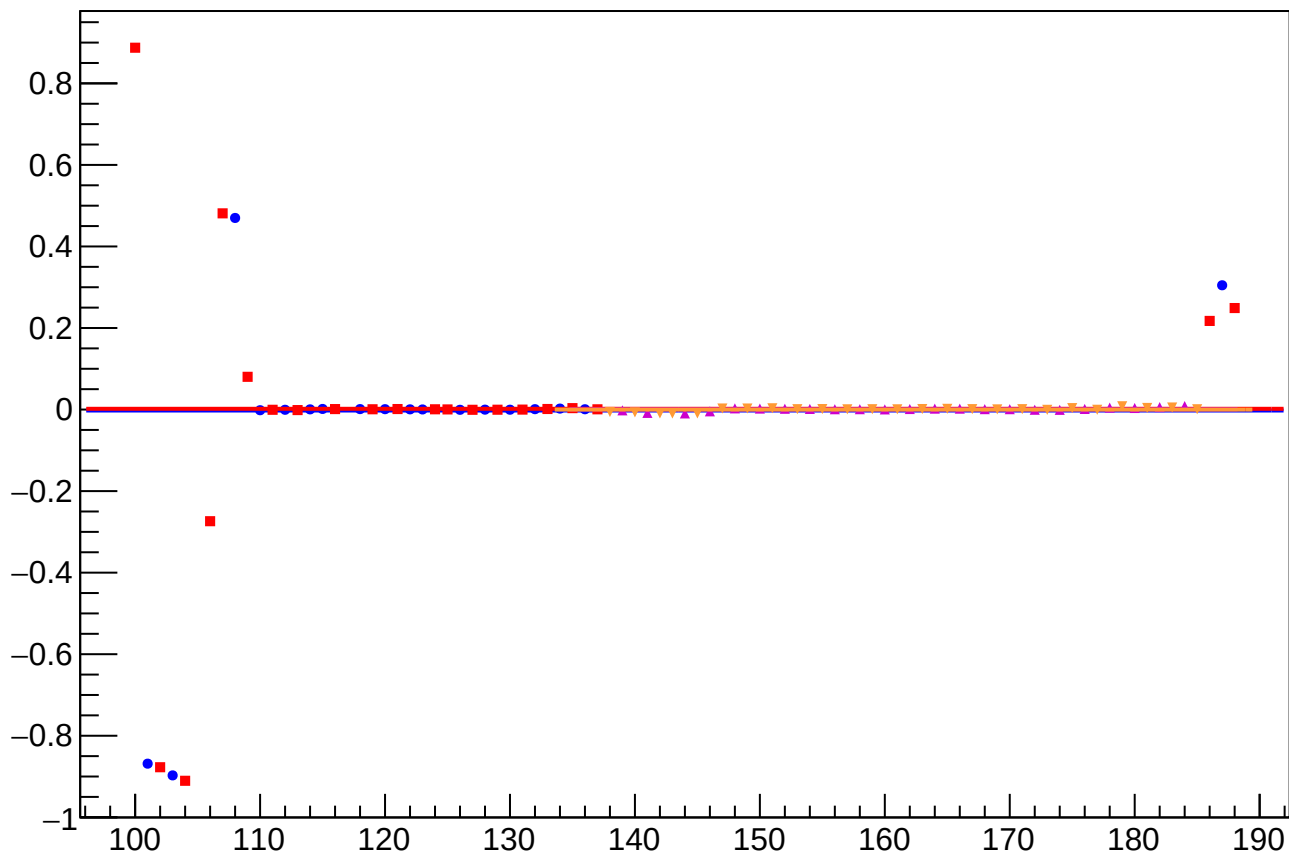
Left In: 0.009+/-0.000 χ^2/NDF : 1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 41486195.6/42

All: 0.000+/-0.000 χ^2/NDF : 83459760.0/86

- sign 0.000+/-0.000 χ^2/NDF : 41972487.1/43

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9794891607.7/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041364870.3/20

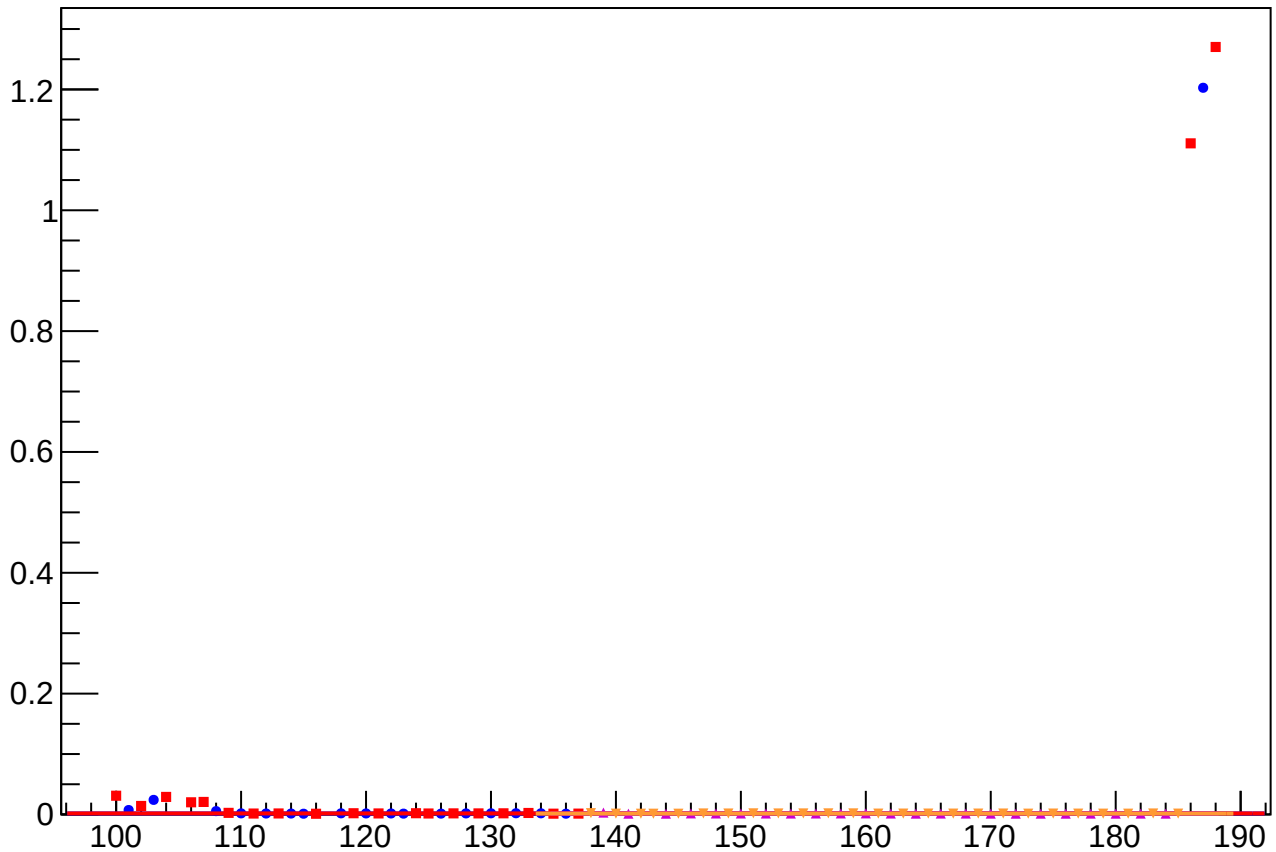
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9953416362.6/42

All: 0.000 ± 0.000 χ^2/NDF : 13105775177.5/8

- sign 0.001 ± 0.000 χ^2/NDF : 3144807834.4/43

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2204467.8/17

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539040.4/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 5410891.5/20

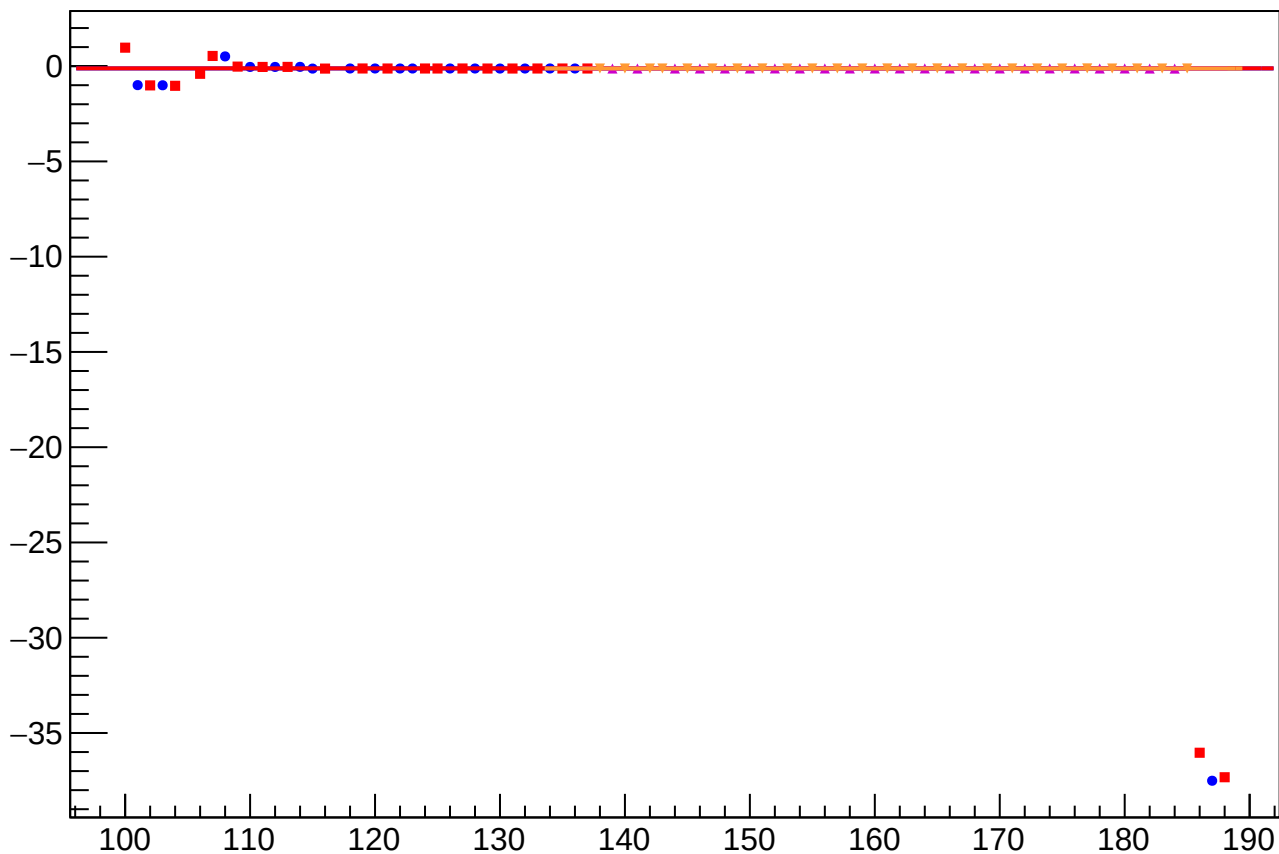
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:659543.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2812925.1/42

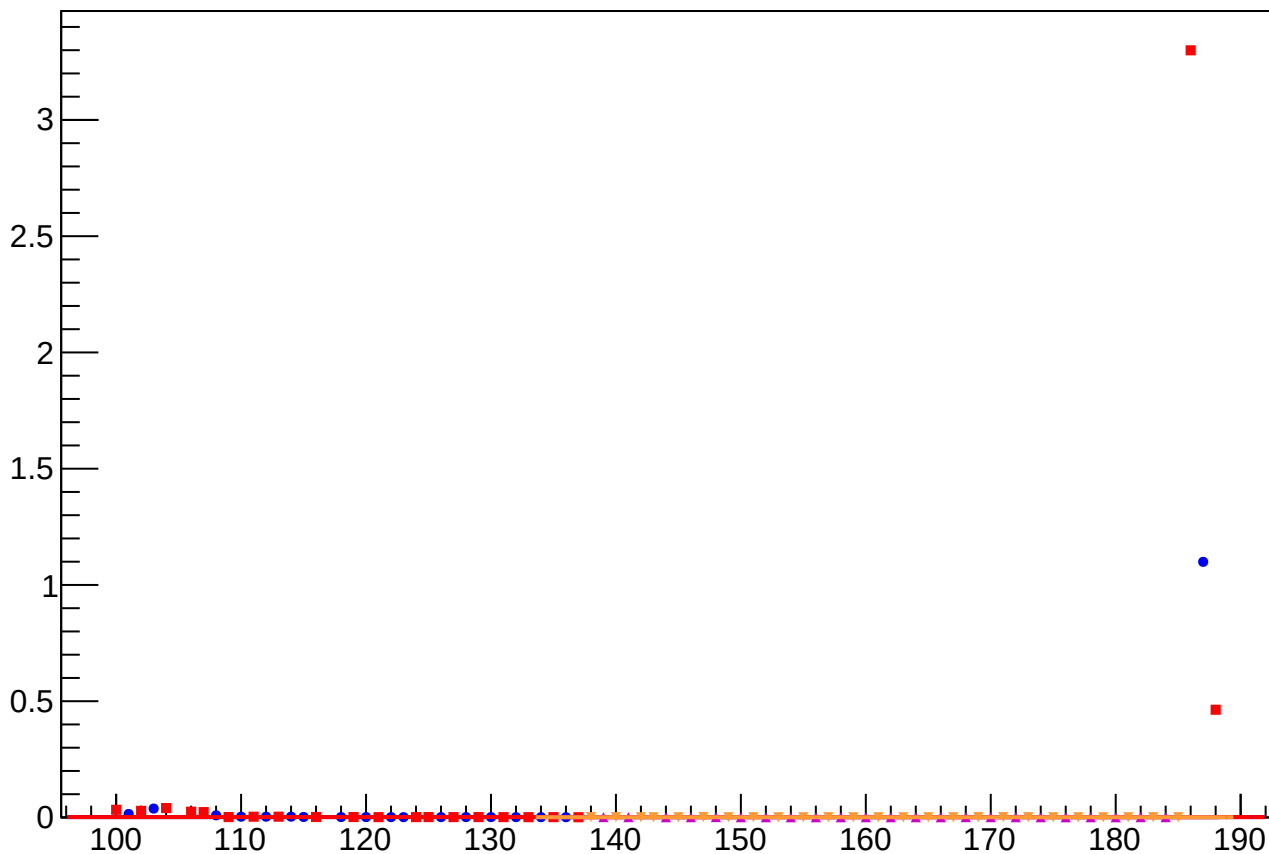
All: 0.002 $\pm$ 0.000 χ^2 /NDF: 8999267.7/86

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 6178448.8/43

yield_cav4cY_mean vs Slug



yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3184272.5/17

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 5892685.9/20

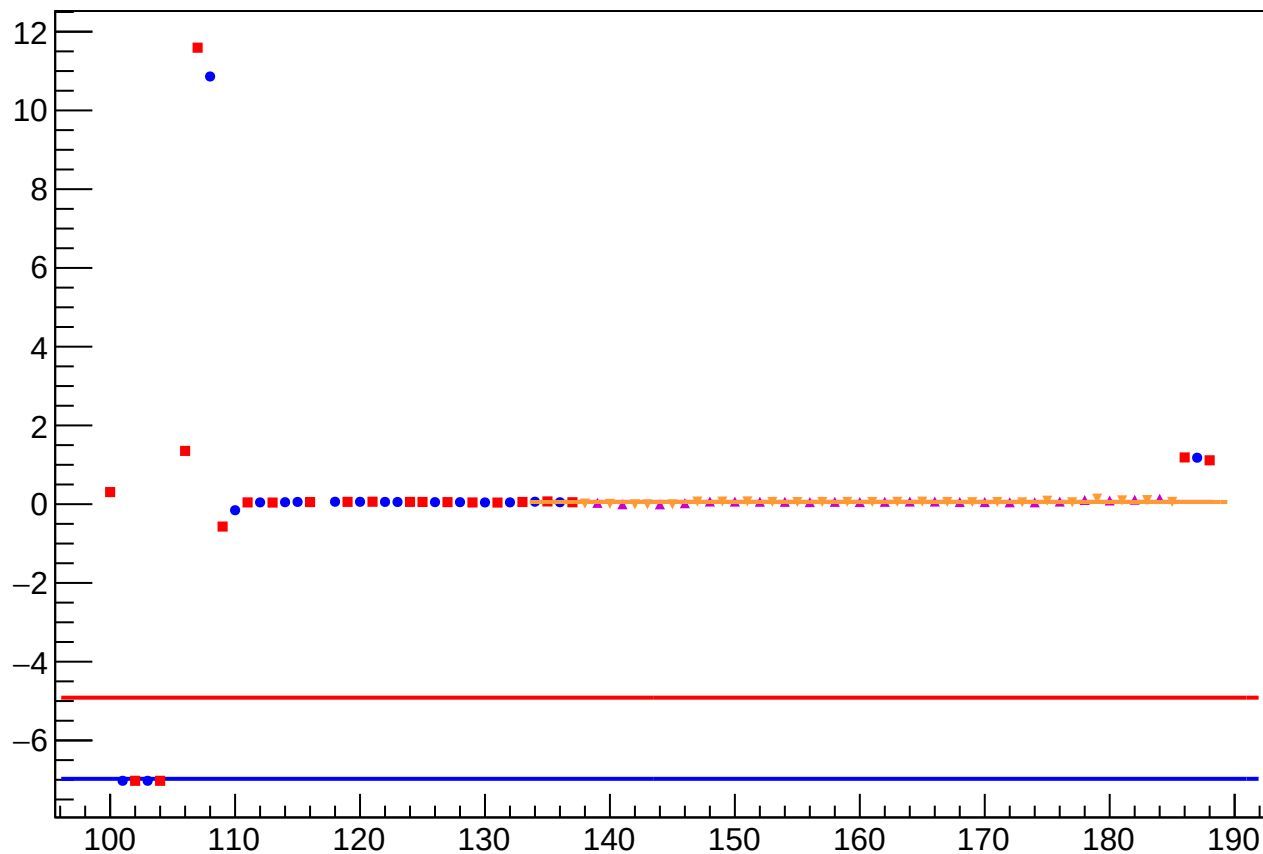
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 5702844.3/42

All: 0.001+/-0.000 χ^2/NDF : 13677401.5/86

- sign 0.001+/-0.000 χ^2/NDF : 7972534.9/43

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762457662678.7/17

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348571480750.2/20

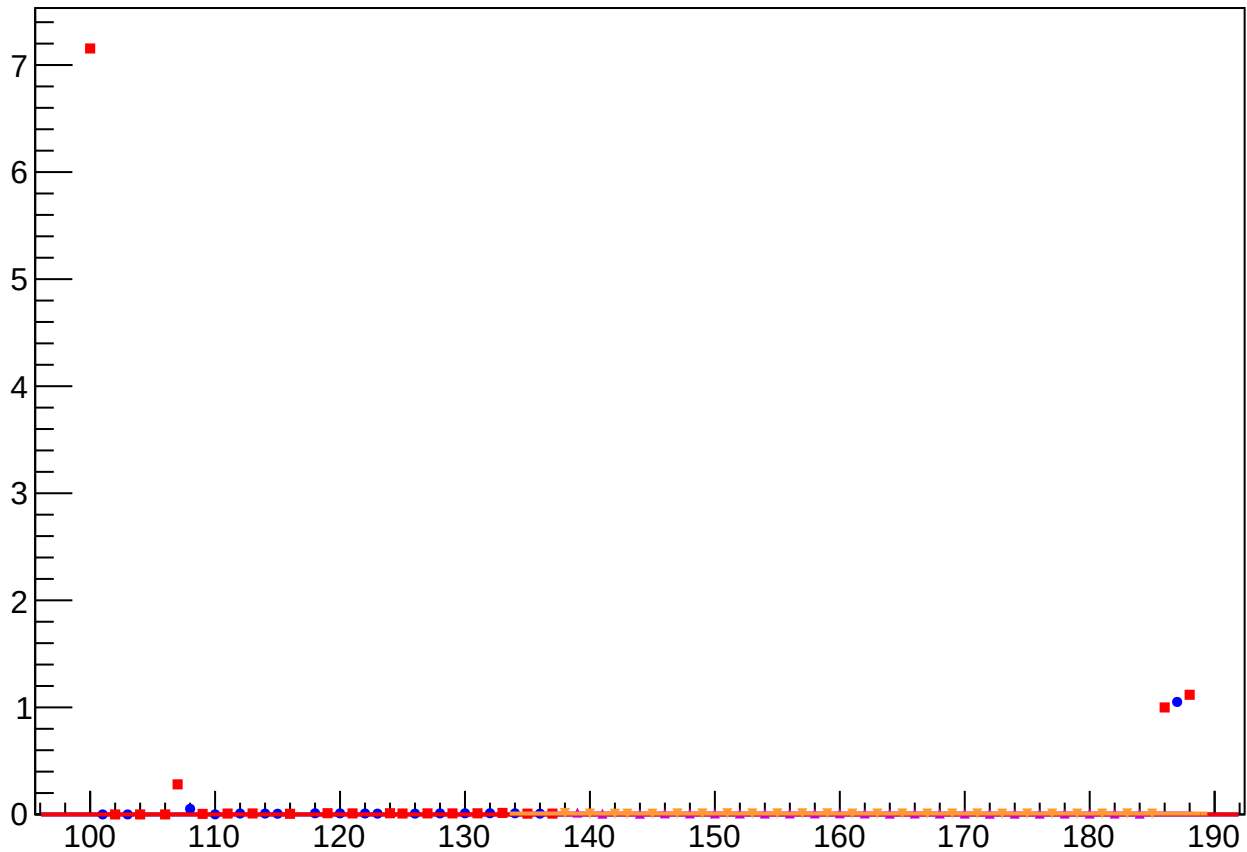
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417448297705.6/17

All: -5.858 ± 0.000 χ^2/NDF : 4435812151924.2/17

- sign -4.882 ± 0.000 χ^2/NDF : 369770863205508.5/17

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8511724.9/17

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11148291.0/20

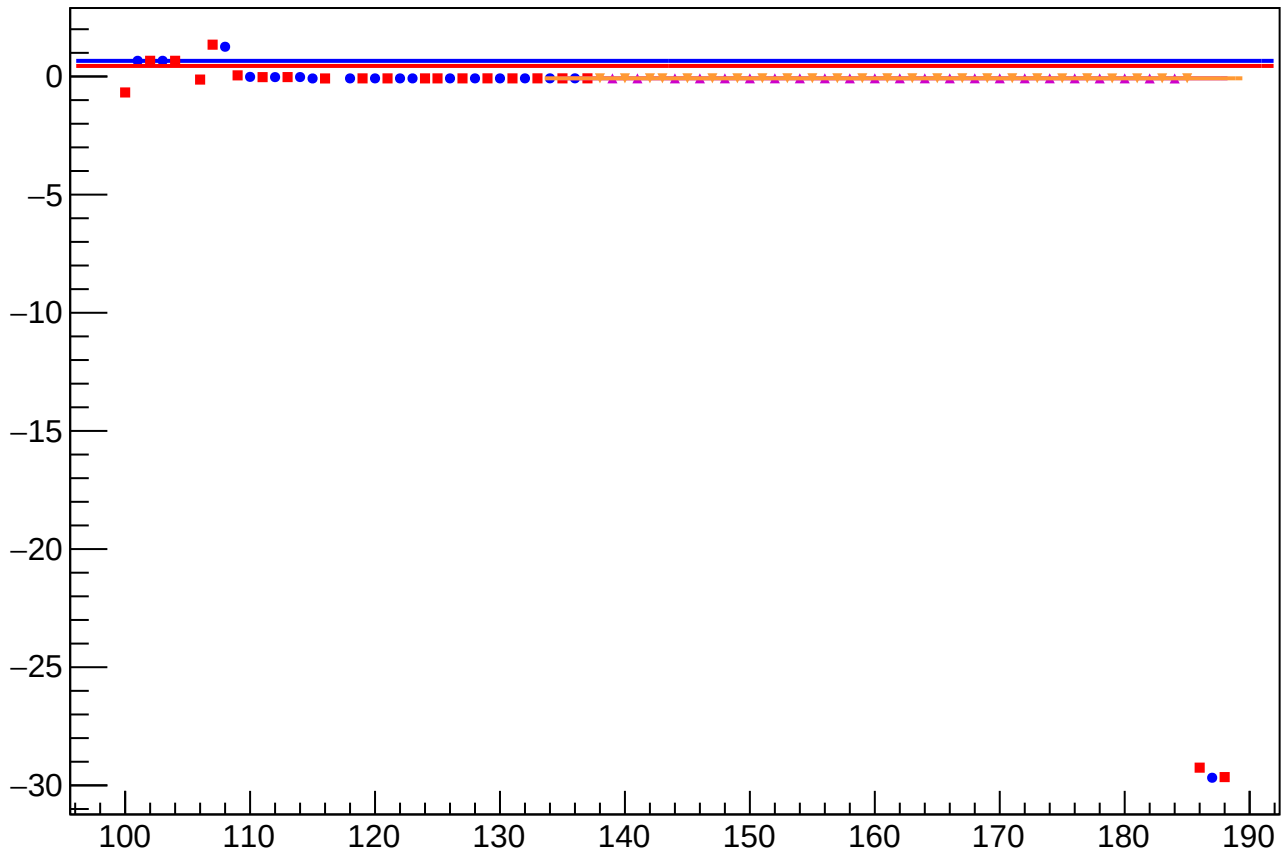
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 37499793.6/42

All: 0.000+/-0.000 χ^2/NDF : 76326944.4/86

- sign 0.000+/-0.000 χ^2/NDF : 38822703.2/43

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5585314299449.2/17

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156525648.0/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405421798287313.0/20

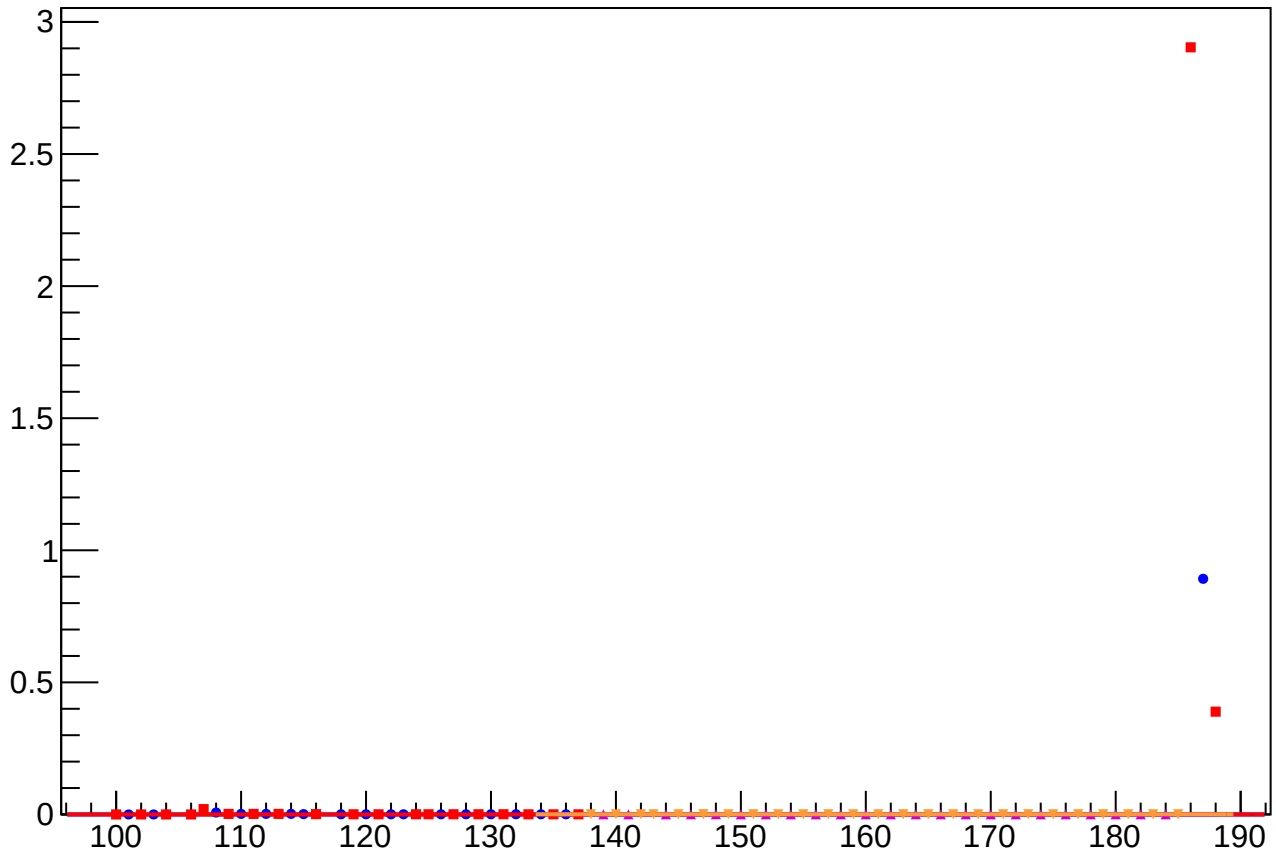
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 111221084.5/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35752828908400.4/4

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51598641214952

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419653347990055.2/4

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10117423.7/17

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11830817.5/20

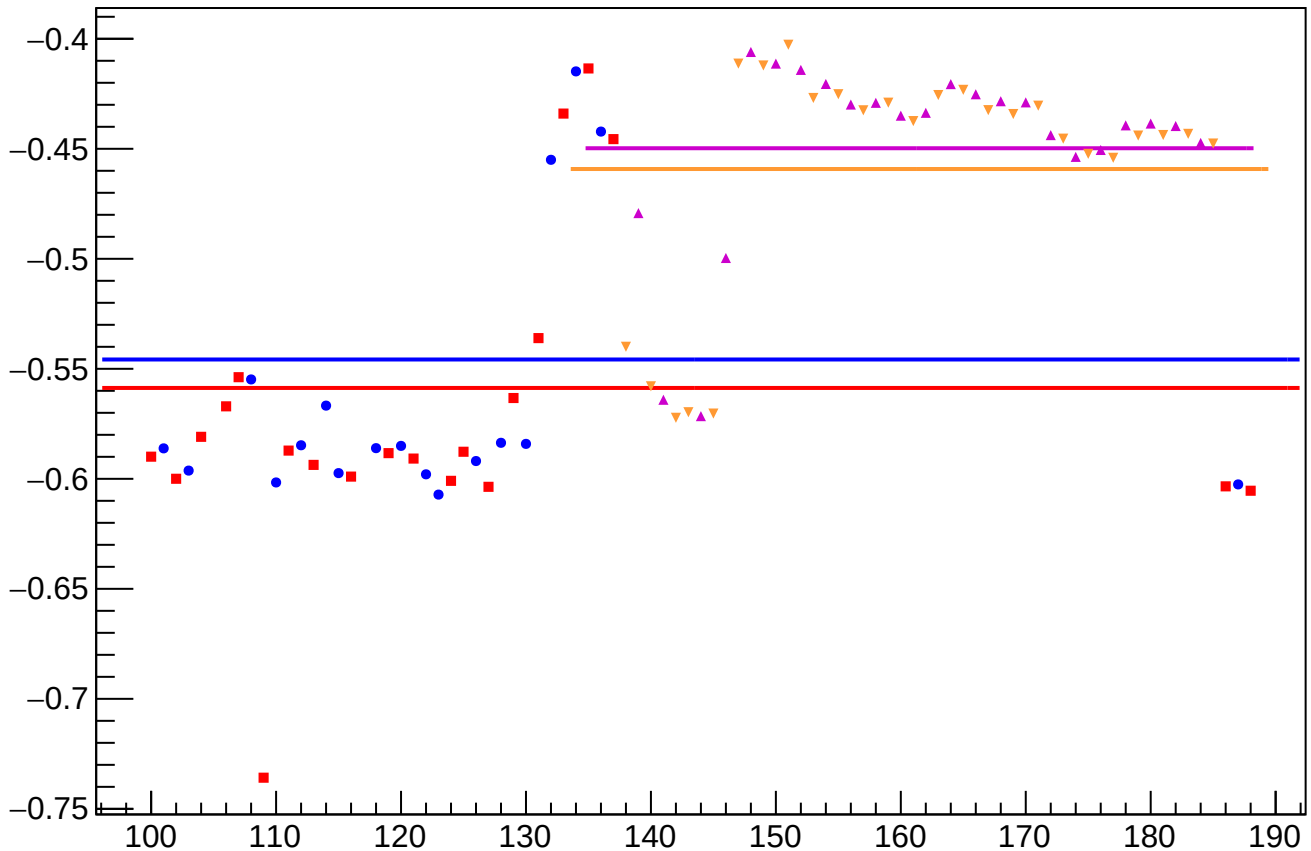
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 42767084.0/42

All: 0.000+/-0.000 χ^2/NDF : 85642180.6/86

- sign 0.000+/-0.000 χ^2/NDF : 42867954.8/43

yield_bpm4aX_mean vs Slug



Right In: -0.546+/-0.000 χ^2/NDF : 46557174.2/17

Left Out: -0.459+/-0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.559+/-0.000 χ^2/NDF : 64887822.9/20

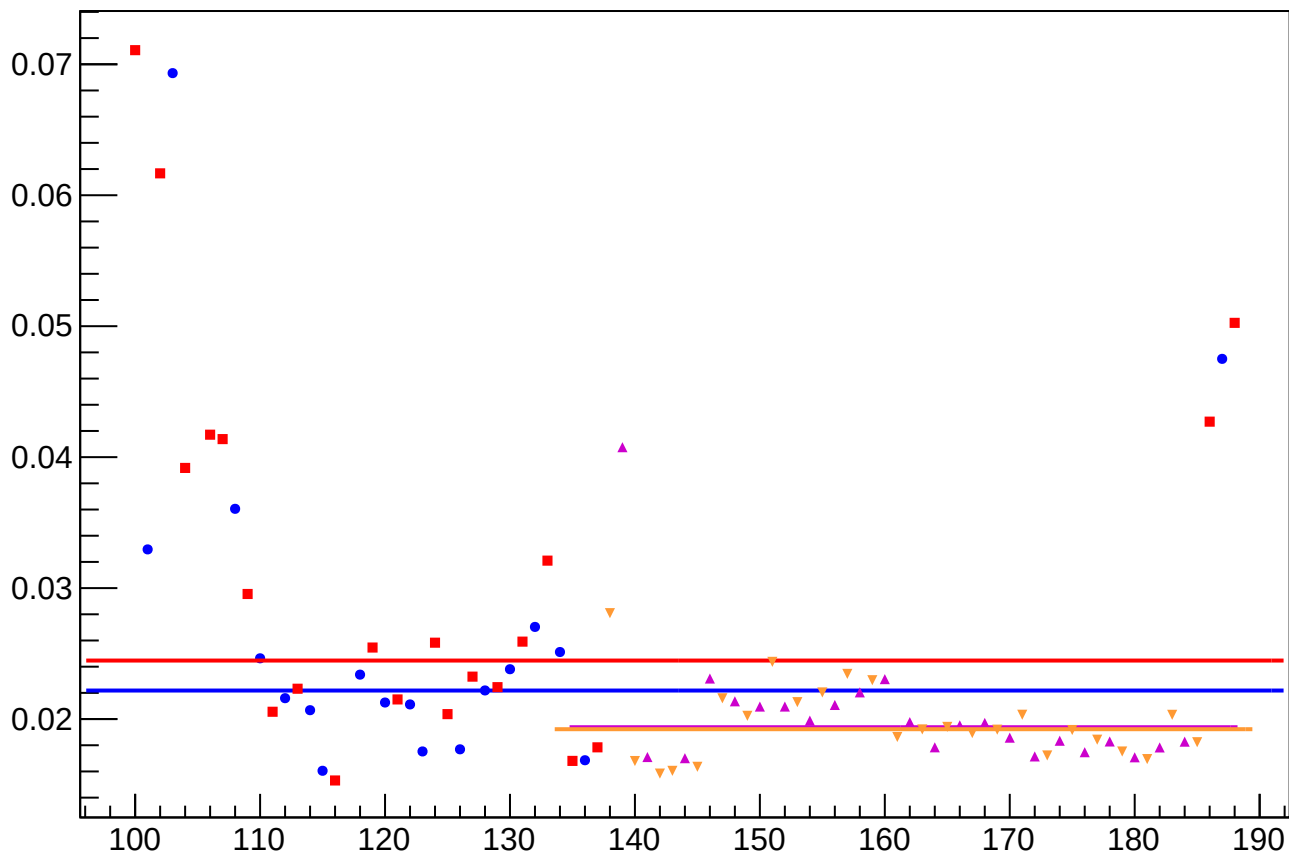
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.477+/-0.000 χ^2/NDF : 222509527.7/42

All: -0.475+/-0.000 χ^2/NDF : 460109359.7/86

- sign -0.473+/-0.000 χ^2/NDF : 237269642.2/43

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 1039270.0/17

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 501253.7/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 1753712.6/20

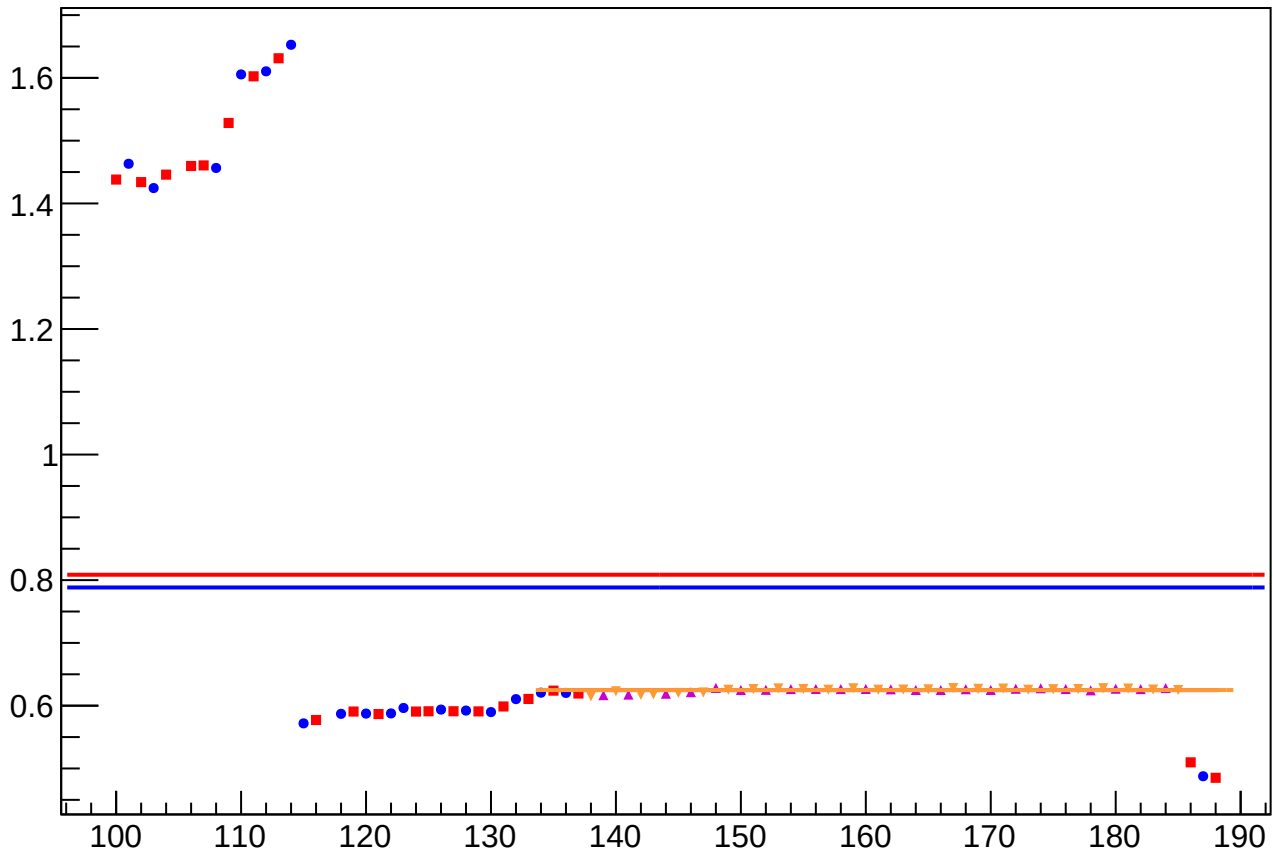
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 656155.9/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1685097.4/42

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 4535777.3/86

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2830126.2/43

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3577613437.4/17

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

+ sign 0.656 $\pm$ 0.000 χ^2 /NDF: 4197819535.6/42

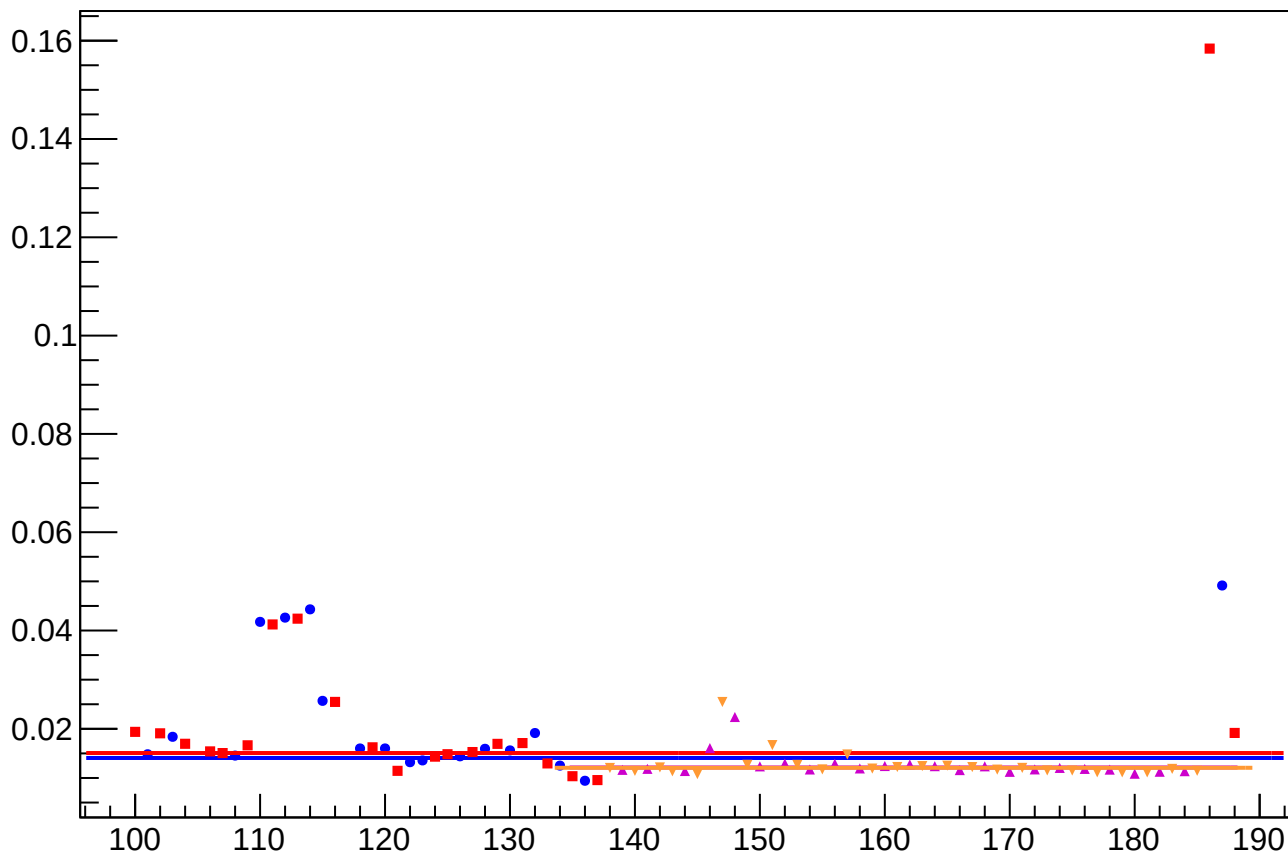
Right Out: 0.809 $\pm$ 0.000 χ^2 /NDF: 4400526987.8/20

All: 0.660 $\pm$ 0.000 χ^2 /NDF: 9406447396.1/80

- sign 0.663 $\pm$ 0.000 χ^2 /NDF: 5205033422.2/43

Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1538609.1/17

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1923746.5/20

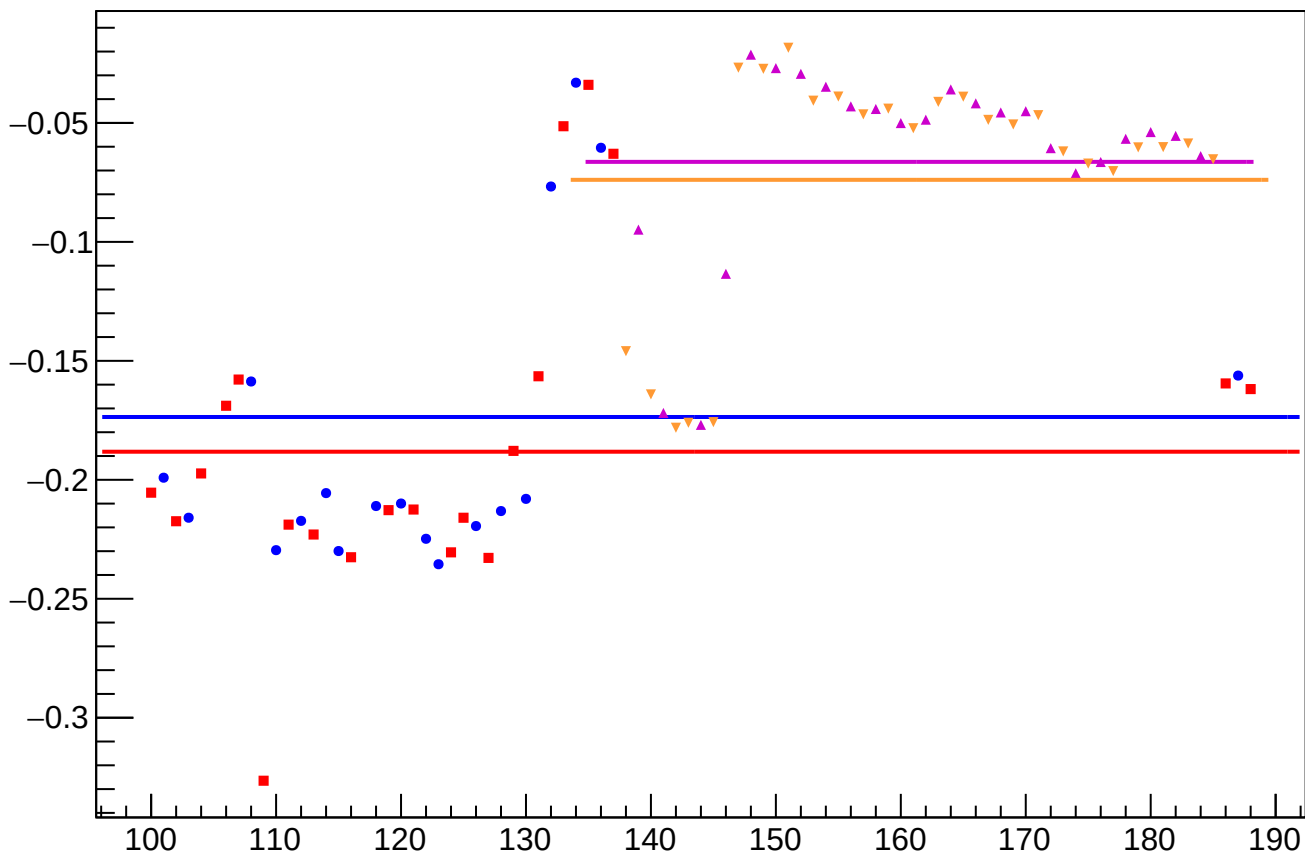
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2380677.4/42

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5216950.4/86

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2823566.8/43

yield_bpm4eX_mean vs Slug



Right In: -0.174+/-0.000 χ^2/NDF : 66859318.9/17

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.188+/-0.000 χ^2/NDF : 81836597.0/20

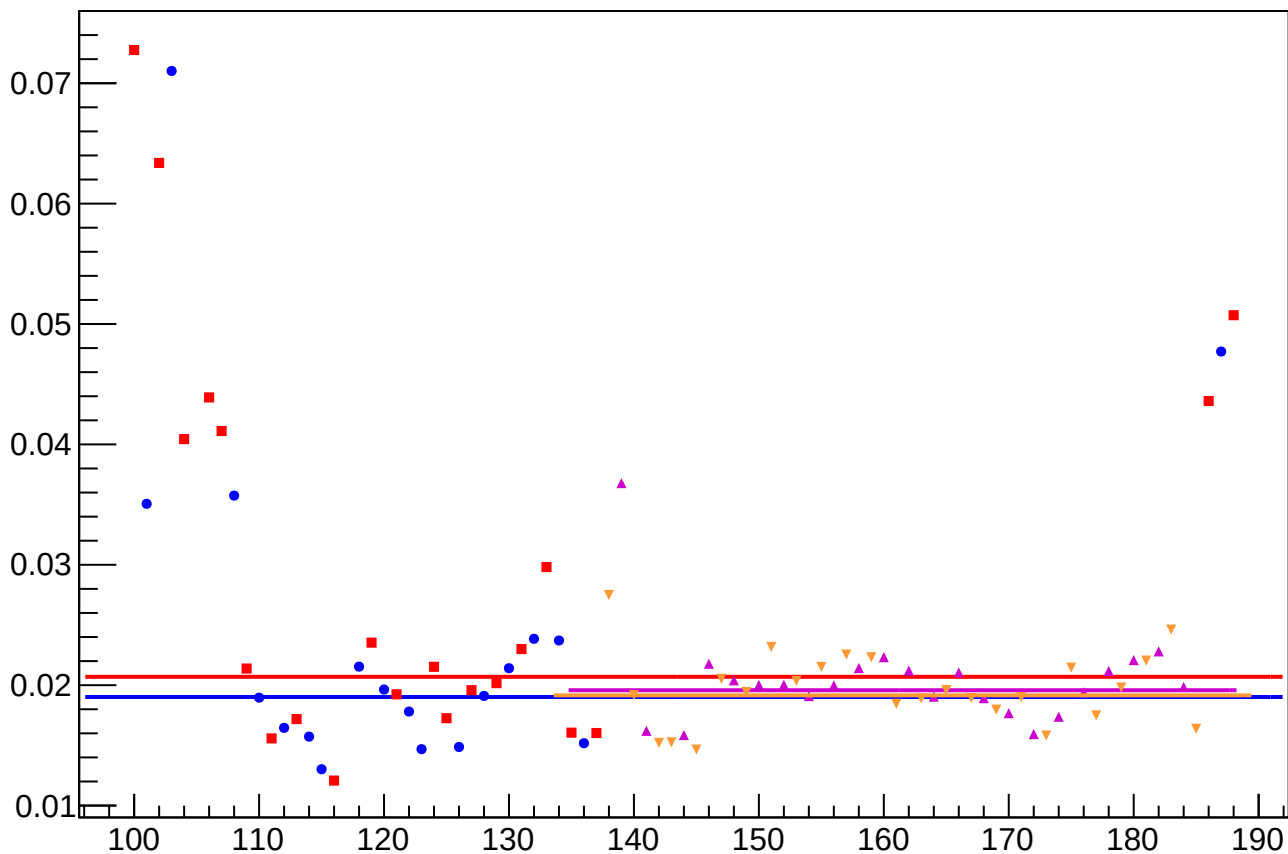
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.099+/-0.000 χ^2/NDF : 277980383.1/42

All: -0.099+/-0.000 χ^2/NDF : 586663338.0/86

- sign -0.099+/-0.000 χ^2/NDF : 308680432.4/43

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1315396.6/17

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 641027.3/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 2271753.0/20

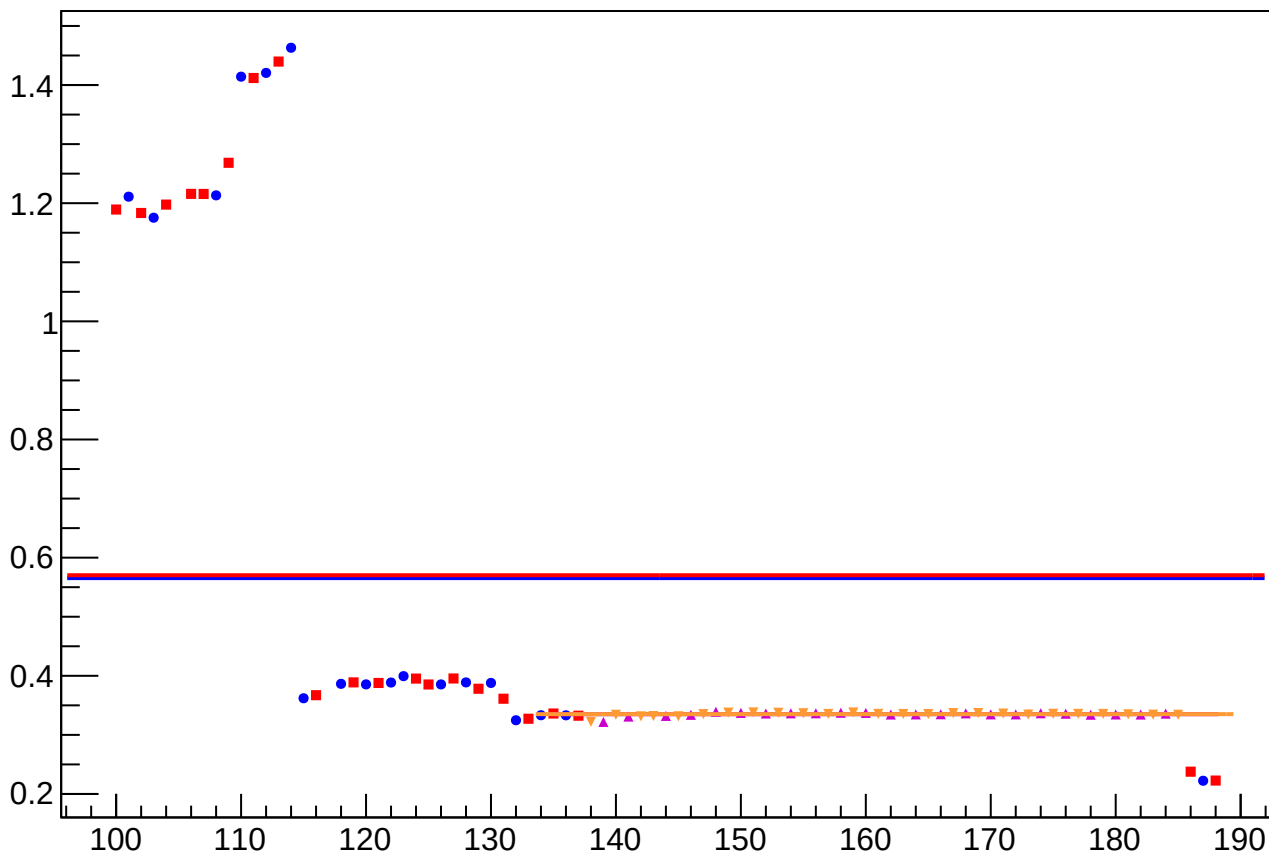
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 651328.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1956813.2/42

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 4936072.9/86

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2948362.7/43

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2/NDF : 5041212176.7/17

Left Out: 0.335 $\pm$ 0.000 χ^2/NDF : 1153956.7/24

Right Out: 0.570 $\pm$ 0.000 χ^2/NDF : 6032565354.5/20

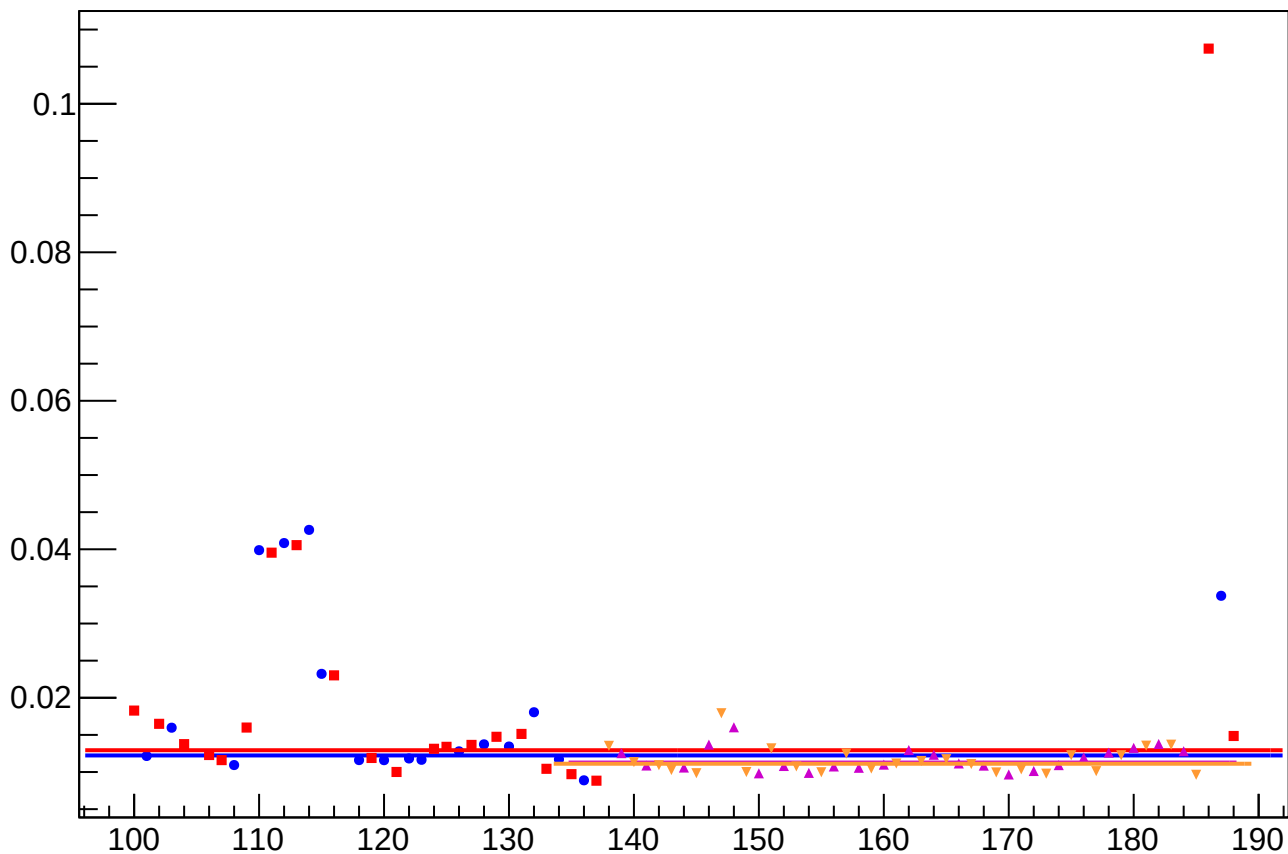
Left In: 0.335 $\pm$ 0.000 χ^2/NDF : 1198302.8/22

+ sign 0.384 $\pm$ 0.000 χ^2/NDF : 6627631050.0/42

All: 0.387 $\pm$ 0.000 χ^2/NDF : 14375094184.2/86

- sign 0.391 $\pm$ 0.000 χ^2/NDF : 7743298697.2/43

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1417550.7/17

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1850084.1/20

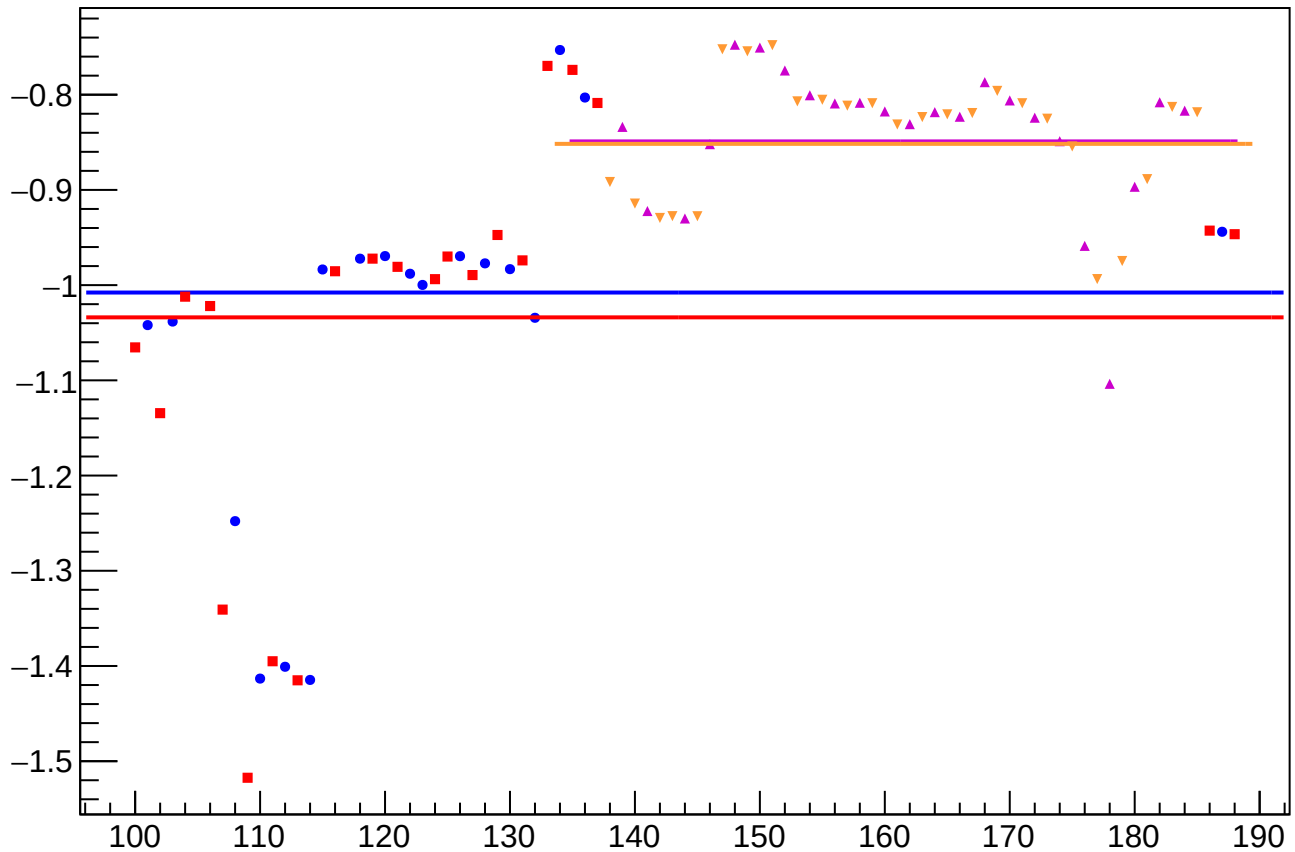
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502226.7/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2100390.2/42

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4640796.4/86

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2523011.6/43

yield_bpm4acX_mean vs Slug



Right In: -1.008+/-0.000 χ^2/NDF : 393366862.4/17

Left Out: -0.852+/-0.000 χ^2/NDF :189276591.7/24

Right Out: -1.034+/-0.000 χ^2/NDF : 539066325.9/20

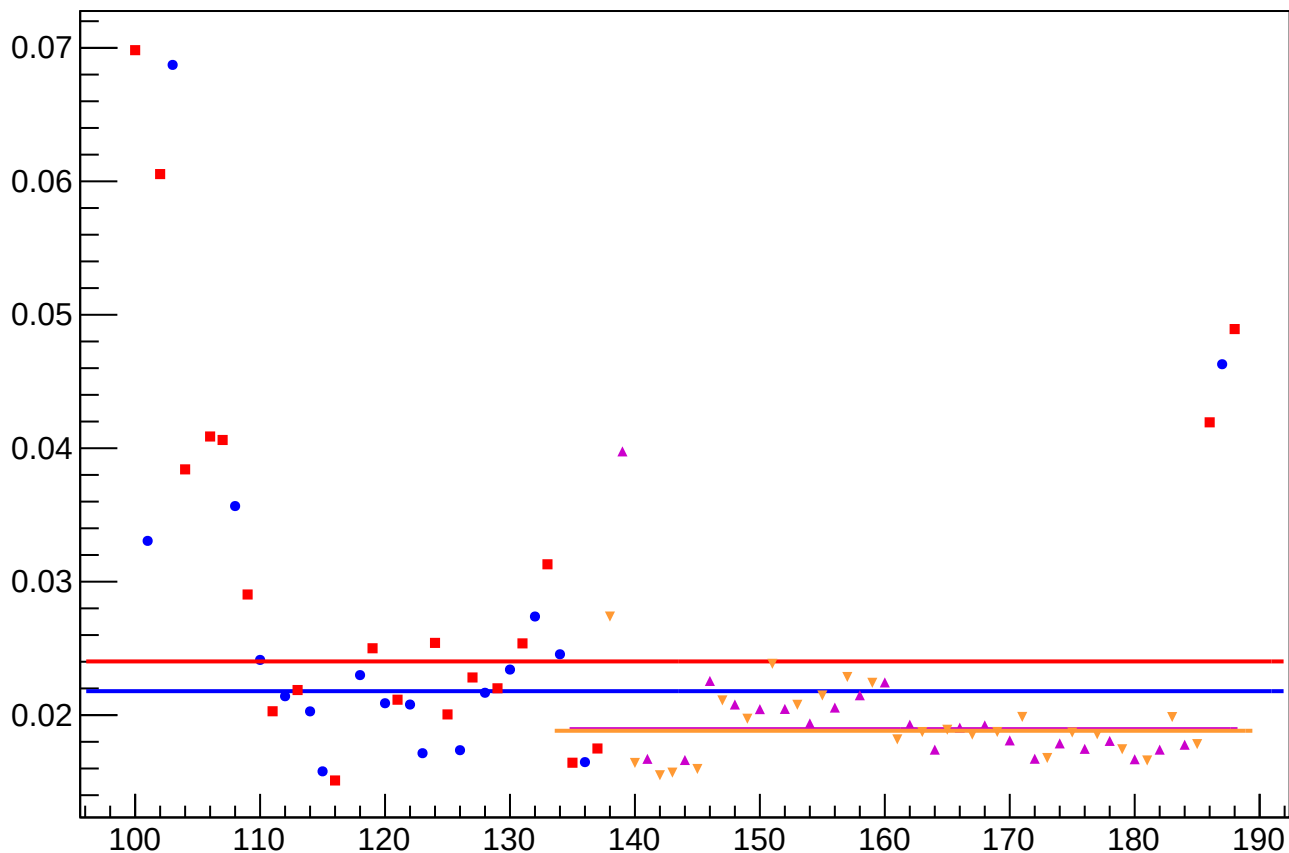
Left In: -0.849+/-0.000 χ^2/NDF :256438306.8/22

+ sign -0.884+/-0.000 χ^2/NDF : 791919865.7/42

All: -0.886+/-0.000 χ^2/NDF : 1875558165.6/8

- sign -0.889+/-0.000 χ^2/NDF : 1082945989.4/43

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 1063229.4/17

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490084.5/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 1742897.4/20

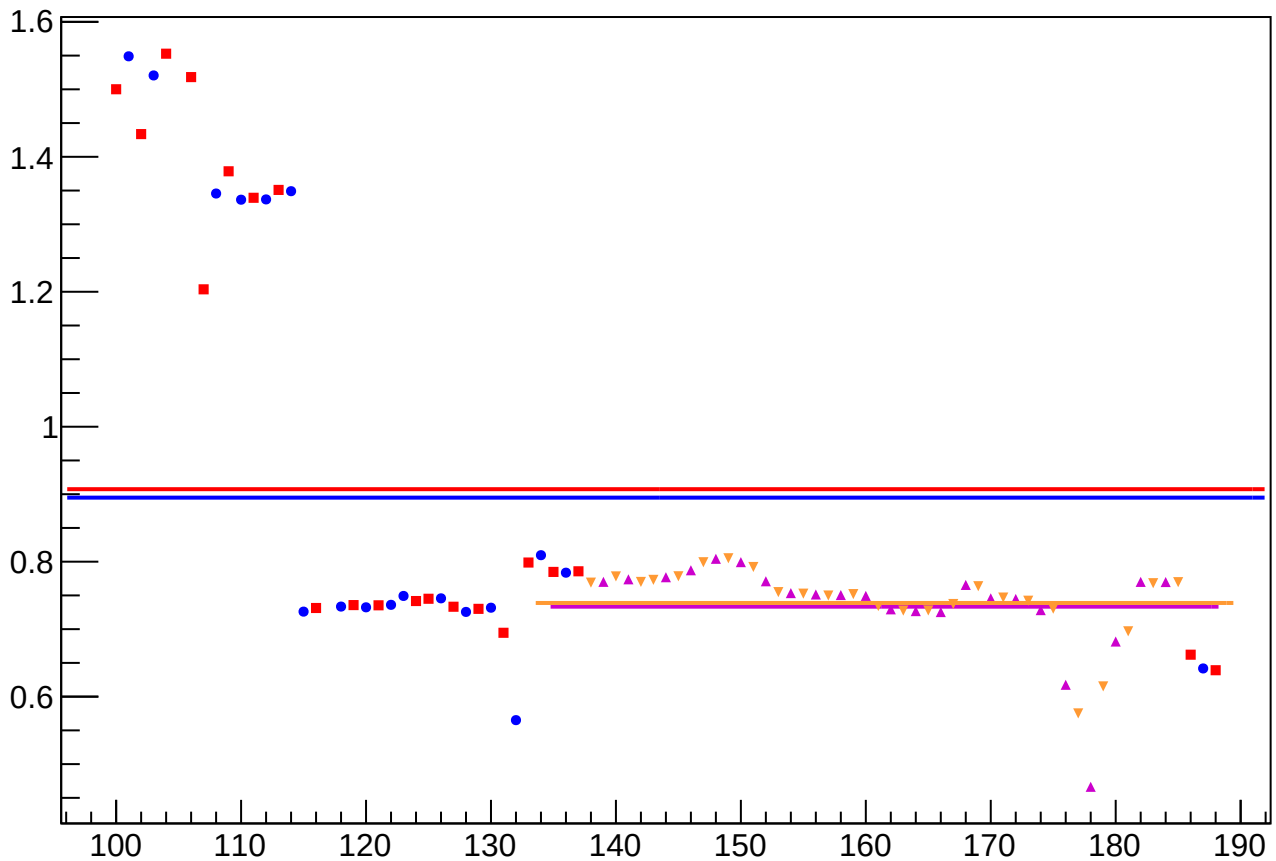
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 645048.1/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1704500.2/42

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 4544608.2/86

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2821307.1/43

yield_bpm4acY_mean vs Slug



Right In: 0.895 $\pm$ 0.000 χ^2 /NDF: 2396726627.2/17

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

+ sign 0.768 $\pm$ 0.000 χ^2 /NDF: 3275821054.0/42

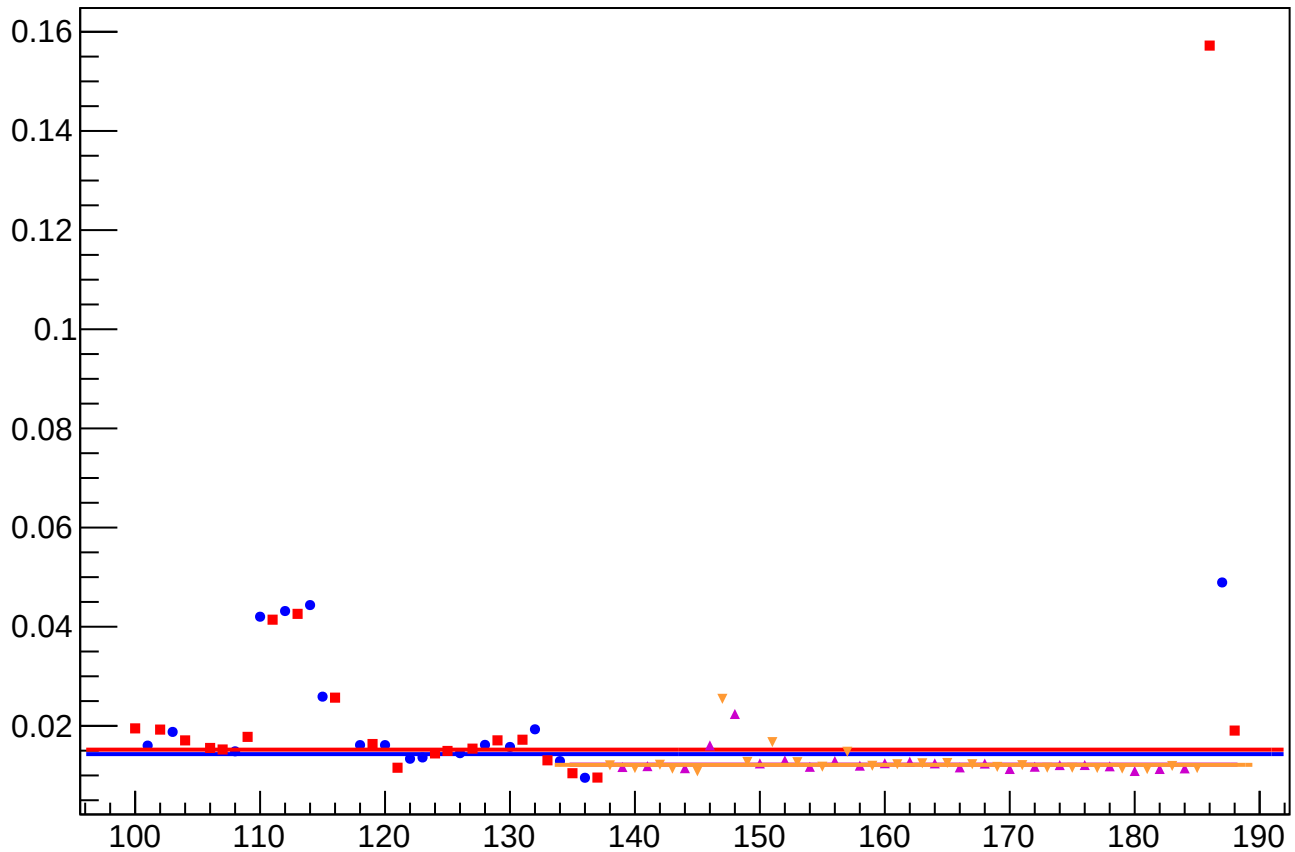
Right Out: 0.907 $\pm$ 0.000 χ^2 /NDF: 2597800780.3/20

All: 0.769 $\pm$ 0.000 χ^2 /NDF: 7152467767.8/80

- sign 0.769 $\pm$ 0.000 χ^2 /NDF: 3876529927.9/43

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1546470.0/17

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1923619.4/20

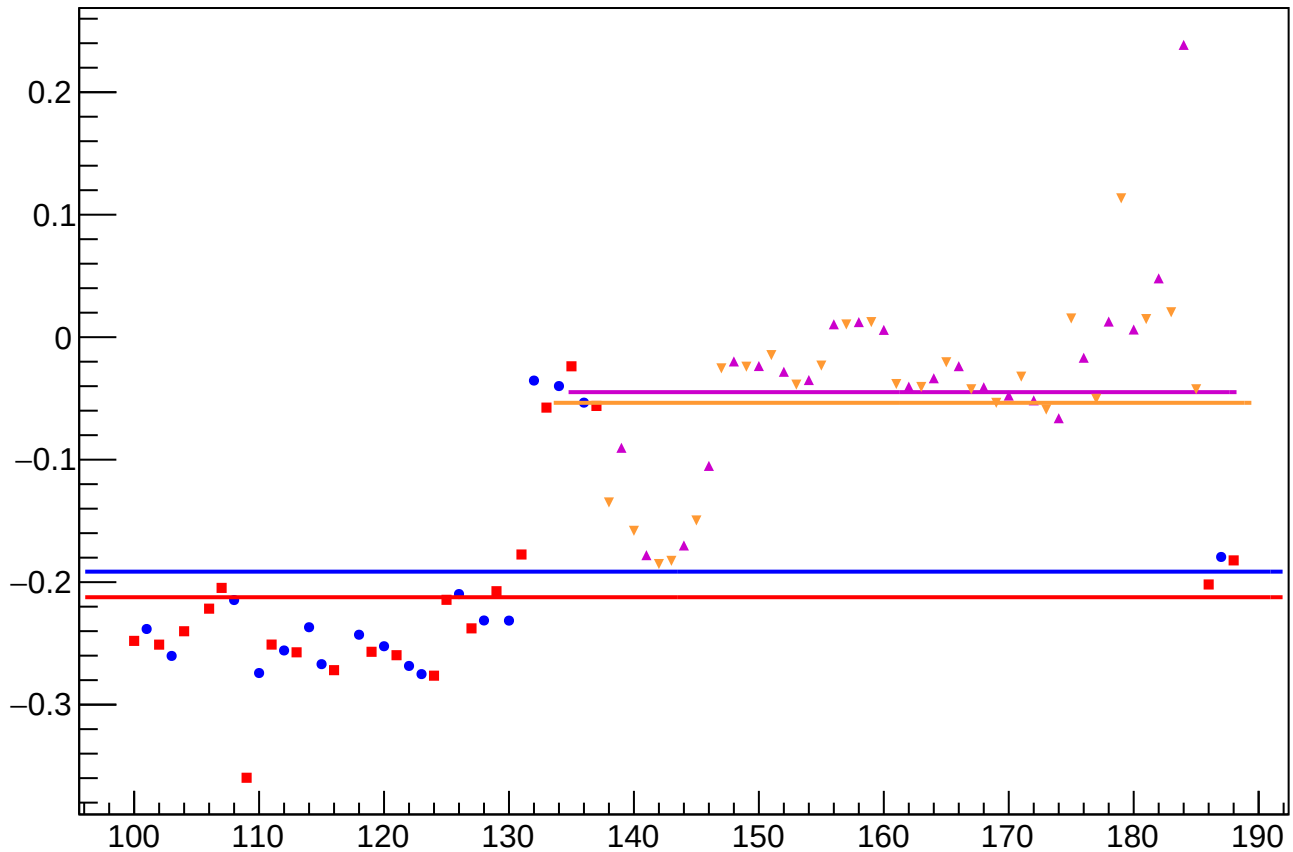
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2394066.1/42

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5234878.9/86

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2830434.1/43

yield_bpm4ecX_mean vs Slug



Right In: -0.191 ± 0.000 χ^2/NDF : 105965882.8/17

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.212 ± 0.000 χ^2/NDF : 109927224.9/20

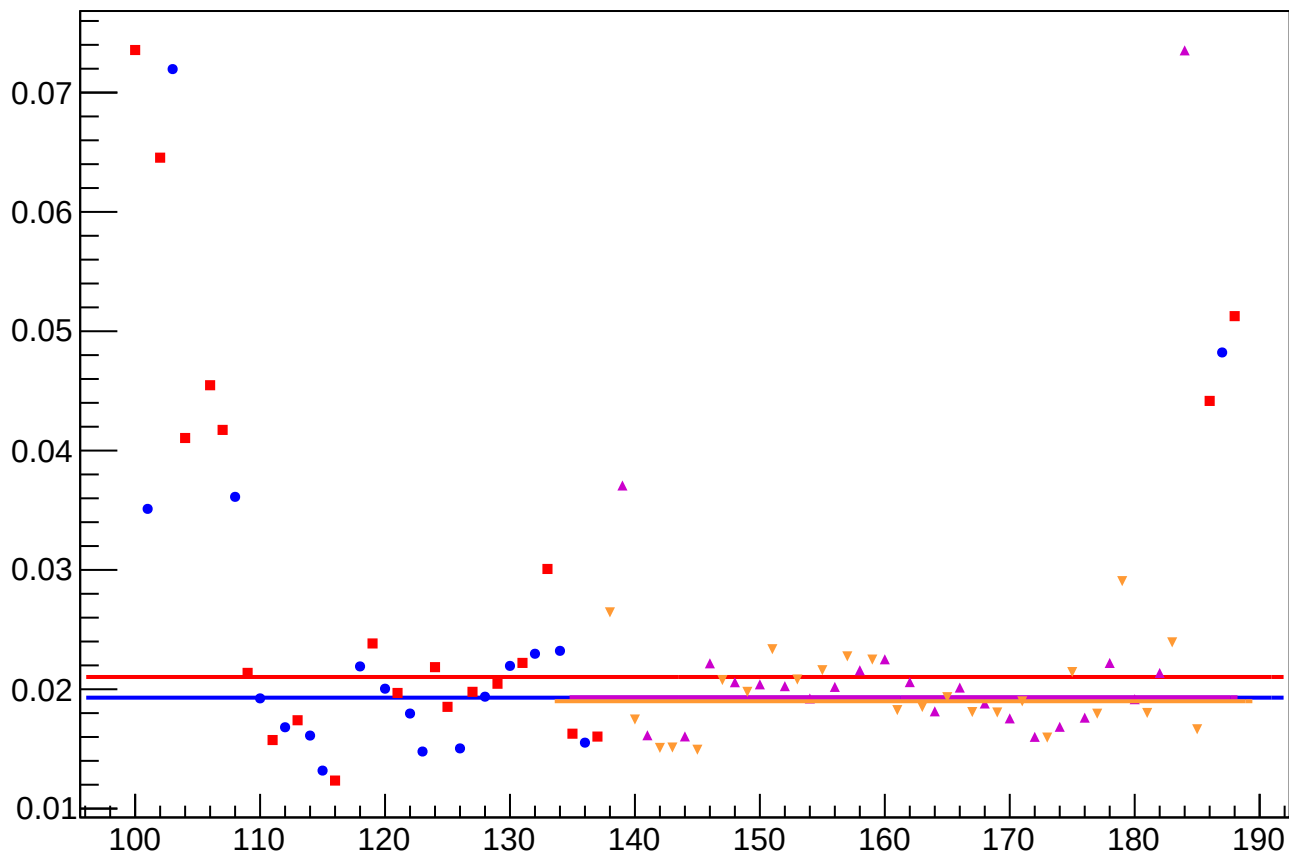
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.088 ± 0.000 χ^2/NDF : 466526358.7/42

All: -0.089 ± 0.000 χ^2/NDF : 981174220.6/86

- sign -0.089 ± 0.000 χ^2/NDF : 514607636.2/43

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1285850.9/17

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 699267.5/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 2257191.5/20

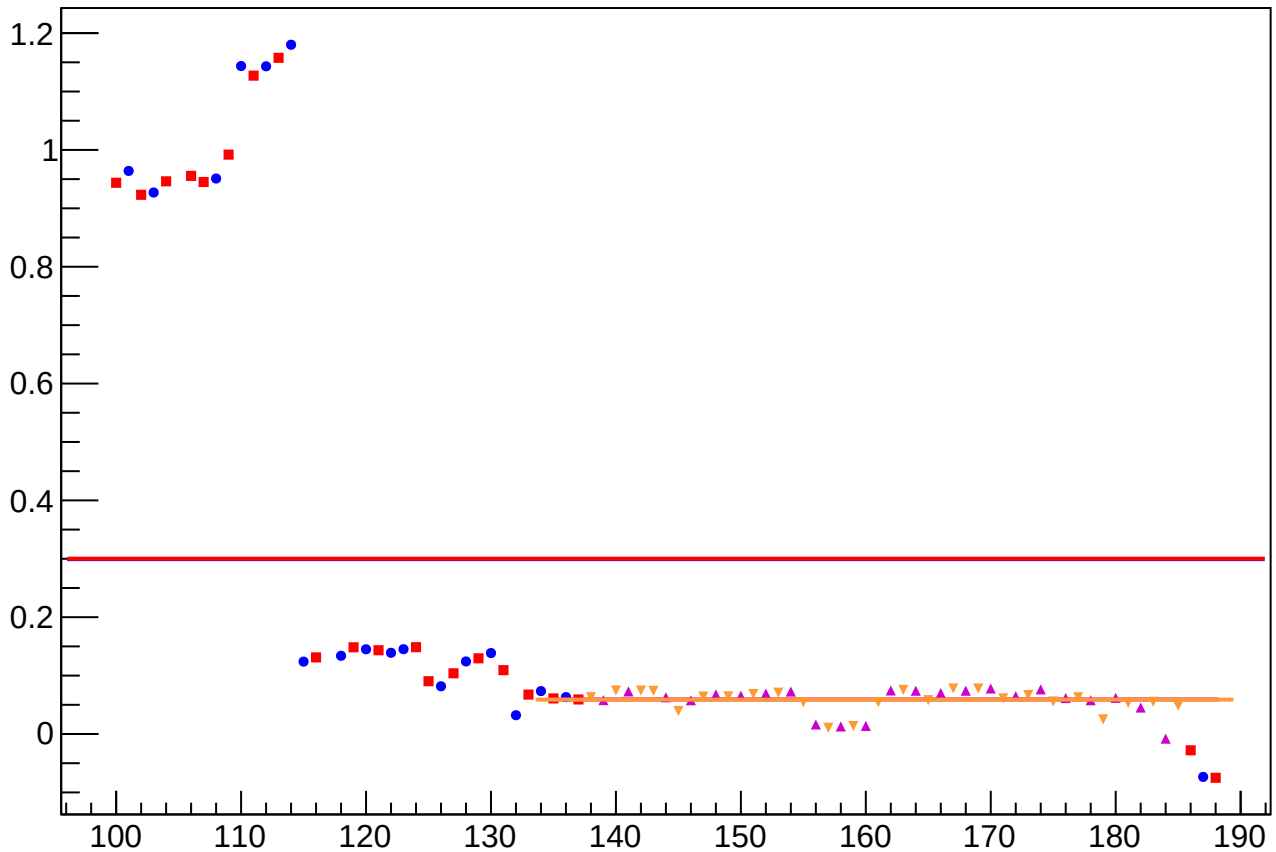
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 892810.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1986930.0/42

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 5220310.9/86

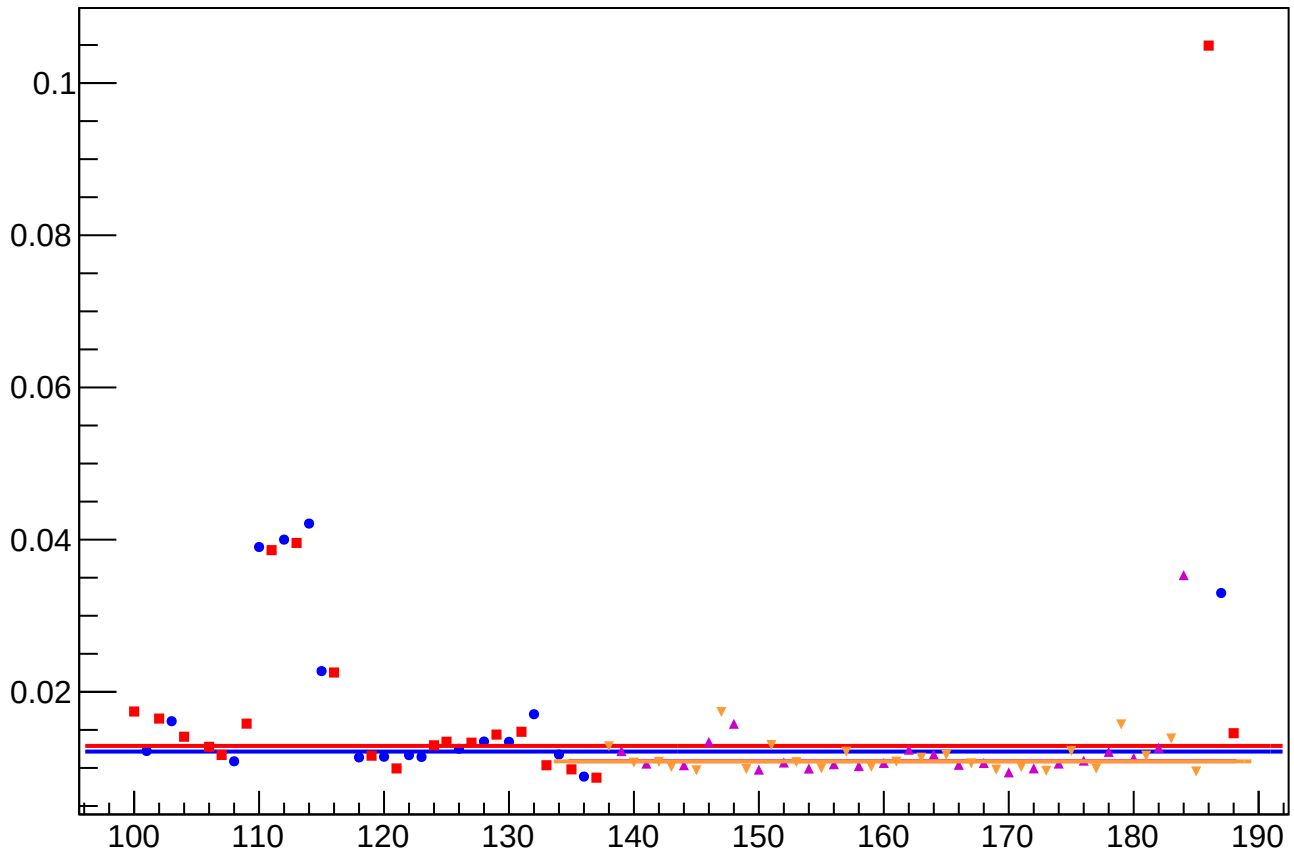
- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 3207043.8/43

yield_bpm4ecY_mean vs Slug



Right In: 0.299 ± 0.000 $\chi^2/\text{NDF}: 5187571356.7/17$ + sign 0.109 ± 0.000 $\chi^2/\text{NDF}: 6990109178.8/42$
 Left Out: 0.059 ± 0.000 $\chi^2/\text{NDF}: 46902918.4/24$ All: 0.112 ± 0.000 $\chi^2/\text{NDF}: 14961615447.7/8$
 Right Out: 0.300 ± 0.000 $\chi^2/\text{NDF}: 6087227838.3/20$ - sign 0.114 ± 0.000 $\chi^2/\text{NDF}: 7969317034.8/43$
 Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 58640898.5/22$

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1388242.7/17

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1809327.0/20

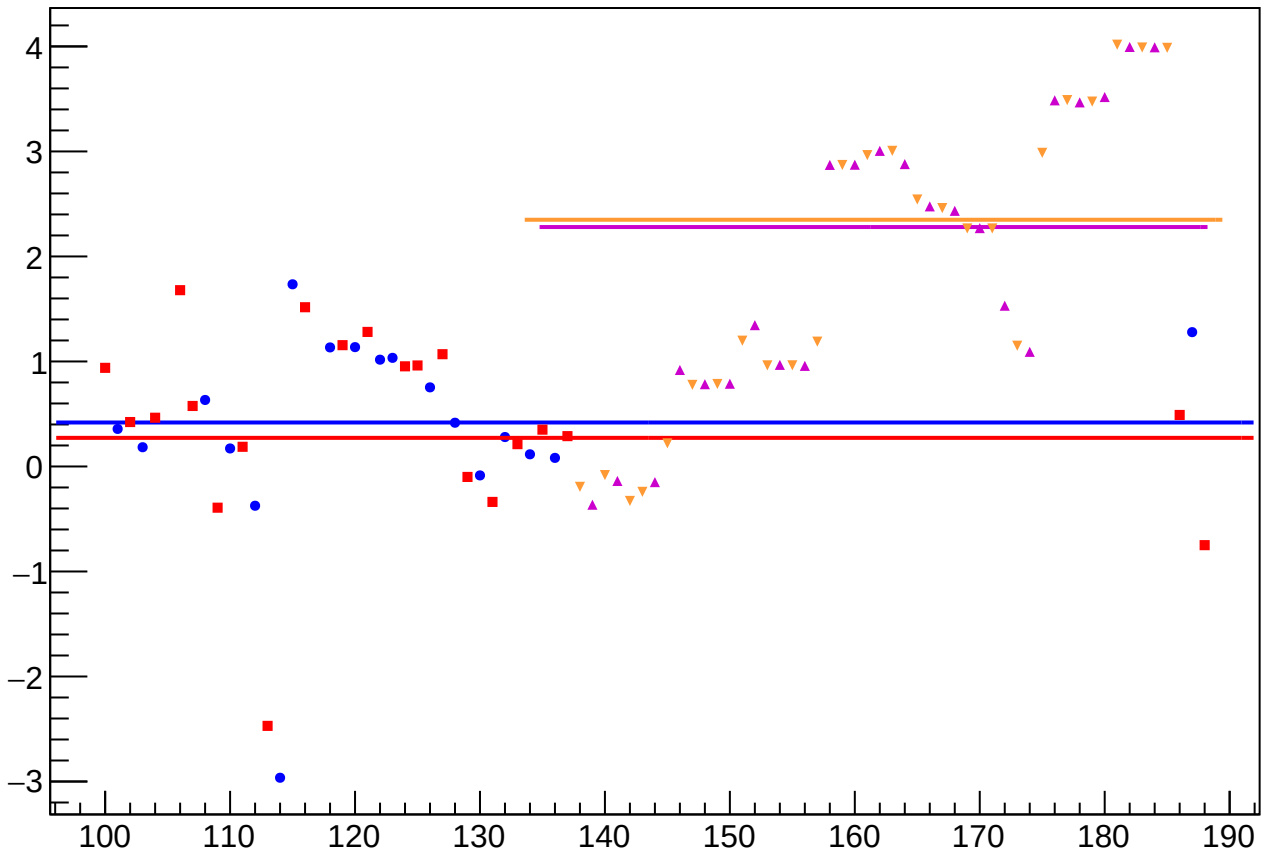
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:529867.3/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2094262.6/42

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4693818.0/86

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2591156.1/43

yield_bpm1X_mean vs Slug



Right In: 0.419 $\pm$ 0.000 χ^2 /NDF: 293093704.1/17

Left Out: 2.349 $\pm$ 0.000 χ^2 /NDF:63600066268.3/24

+ sign 2.283 $\pm$ 0.000 χ^2 /NDF: 70410562959.0/42

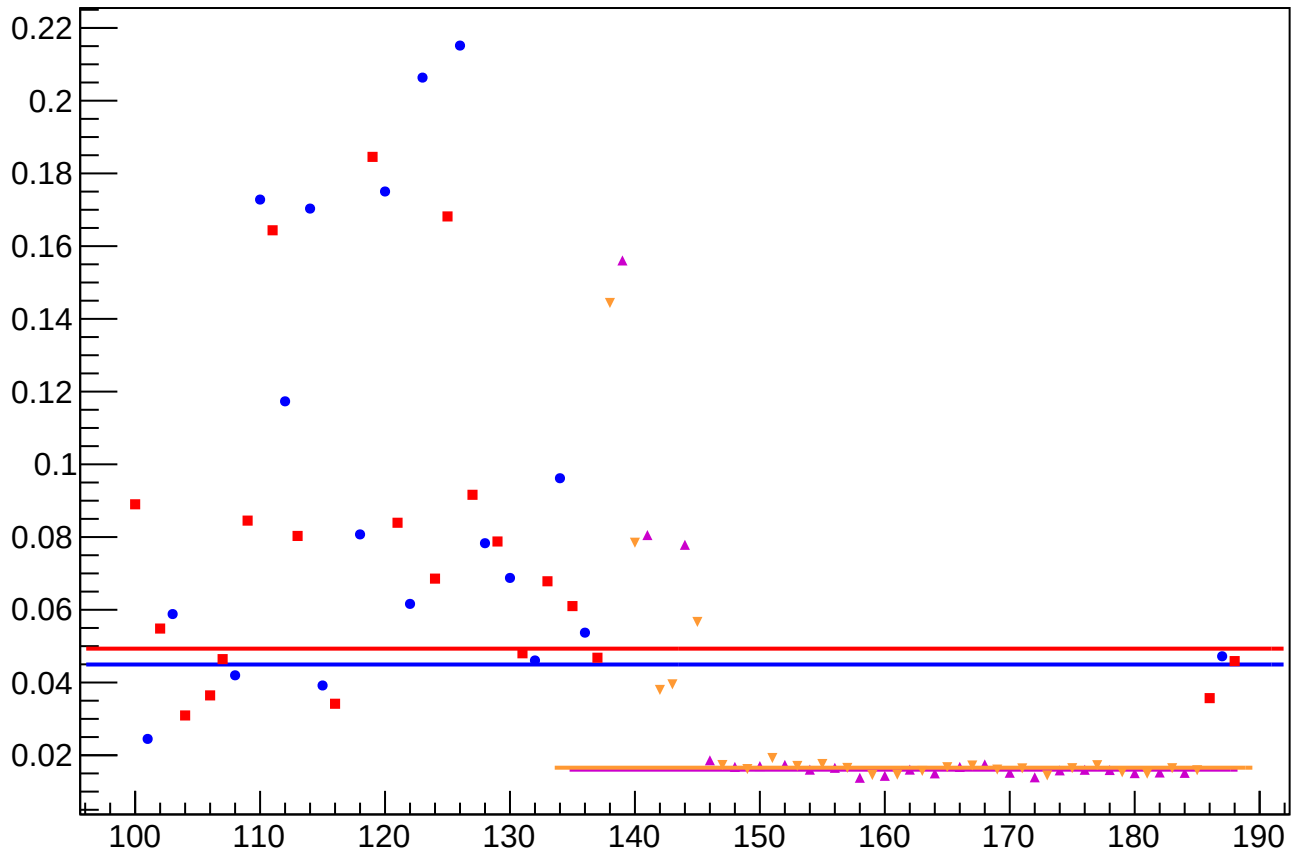
Right Out: 0.272 $\pm$ 0.000 χ^2 /NDF: 1478273499.8/20

All: 2.242 $\pm$ 0.000 χ^2 /NDF: 141775500731.6

Left In: 2.280 $\pm$ 0.000 χ^2 /NDF:61444254541.3/22

- sign 2.201 $\pm$ 0.000 χ^2 /NDF: 71183811054.0/43

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2773557.7/17

Left Out: 0.017+/-0.000 χ^2/NDF : 2623615.6/24

Right Out: 0.049+/-0.000 χ^2/NDF : 2315896.0/20

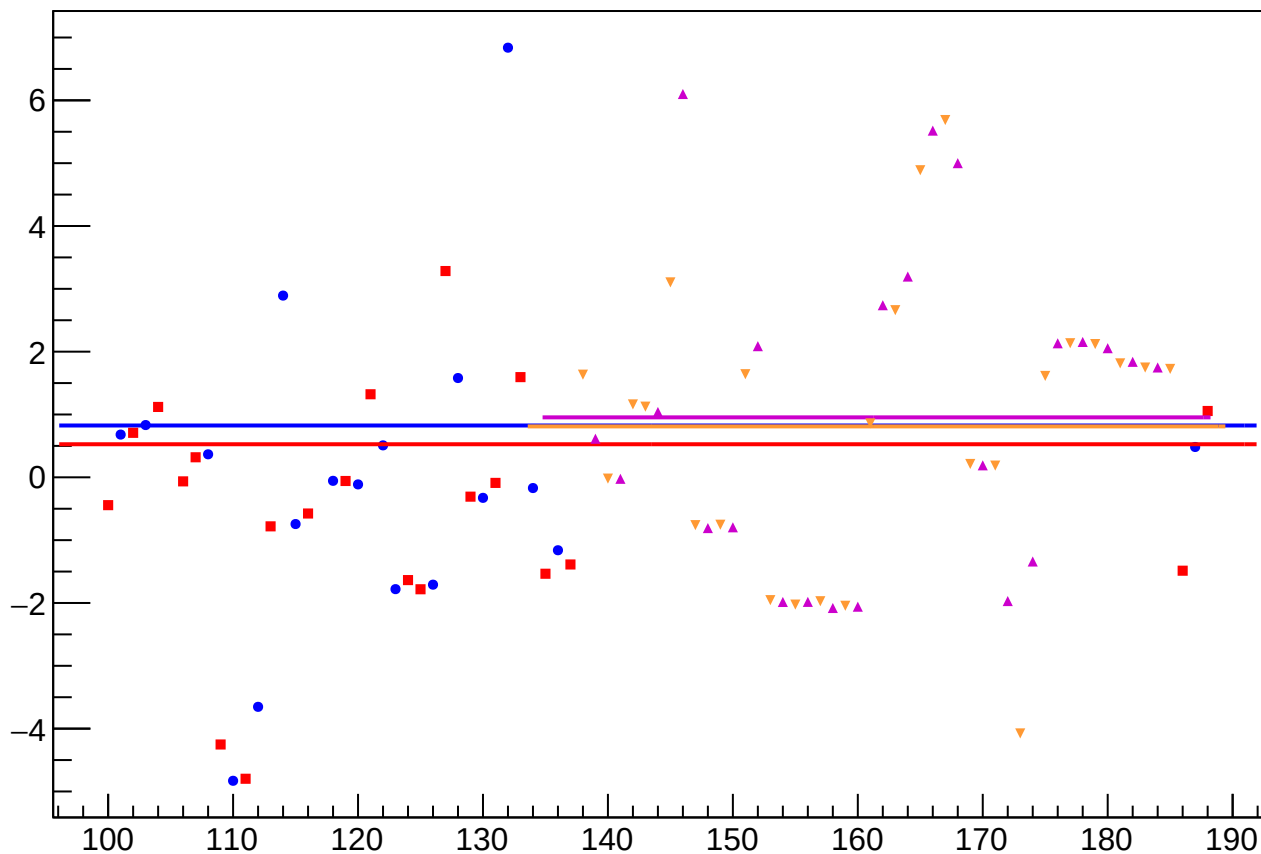
Left In: 0.016+/-0.000 χ^2/NDF : 2463853.3/22

+ sign 0.018+/-0.000 χ^2/NDF : 8213120.0/42

All: 0.017+/-0.000 χ^2/NDF : 17536718.3/86

- sign 0.017+/-0.000 χ^2/NDF : 9321253.9/43

yield_bpm1Y_mean vs Slug



Right In: 0.825 $\pm$ 0.000 χ^2 /NDF: 10946587763.6/17

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 0.526 $\pm$ 0.000 χ^2 /NDF: 5334529248.4/20

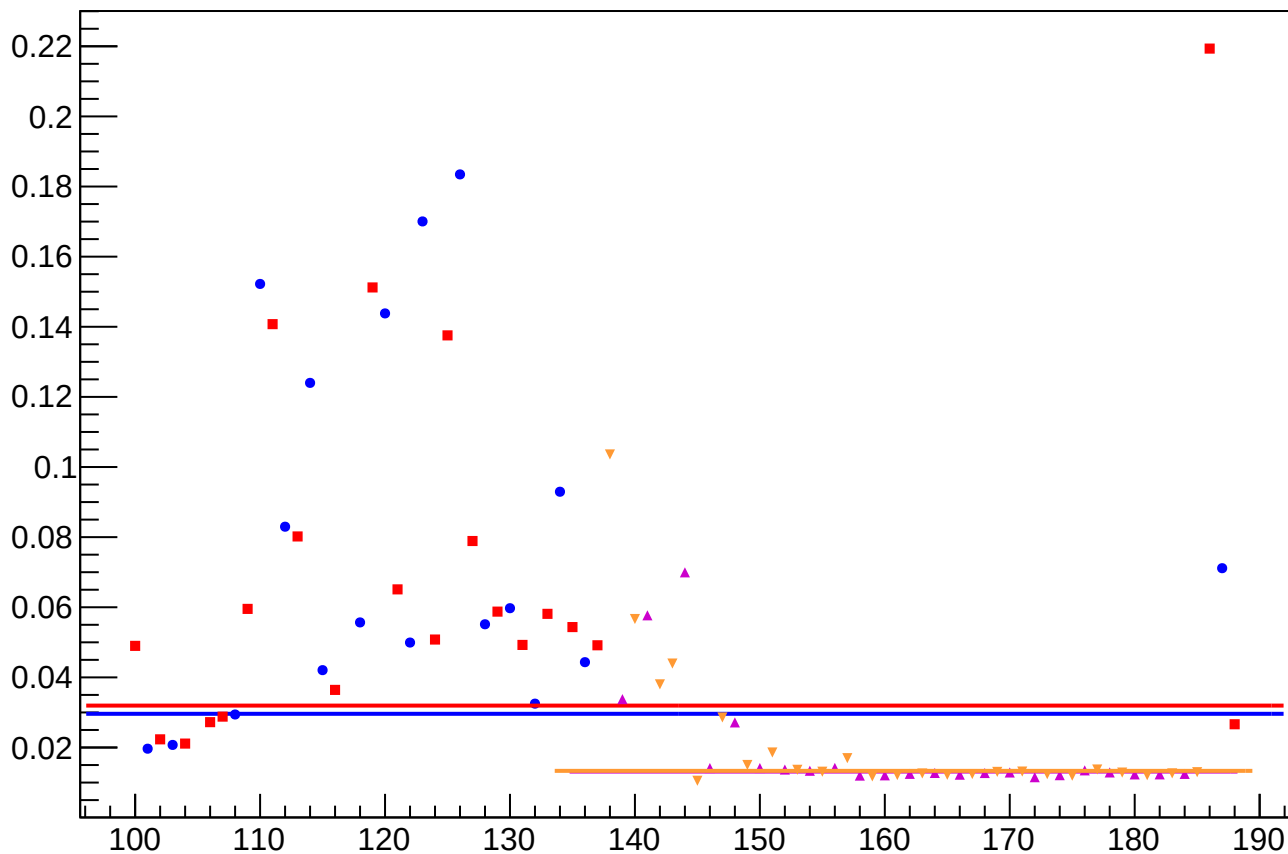
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 0.811 $\pm$ 0.000 χ^2 /NDF: 518530580172.6/42

All: 0.872 $\pm$ 0.000 χ^2 /NDF: 1100108346685.

- sign 0.933 $\pm$ 0.000 χ^2 /NDF: 580912399838.3/43

yield_bpm1Y_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 3062796.5/17

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829070.5/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 3659003.7/20

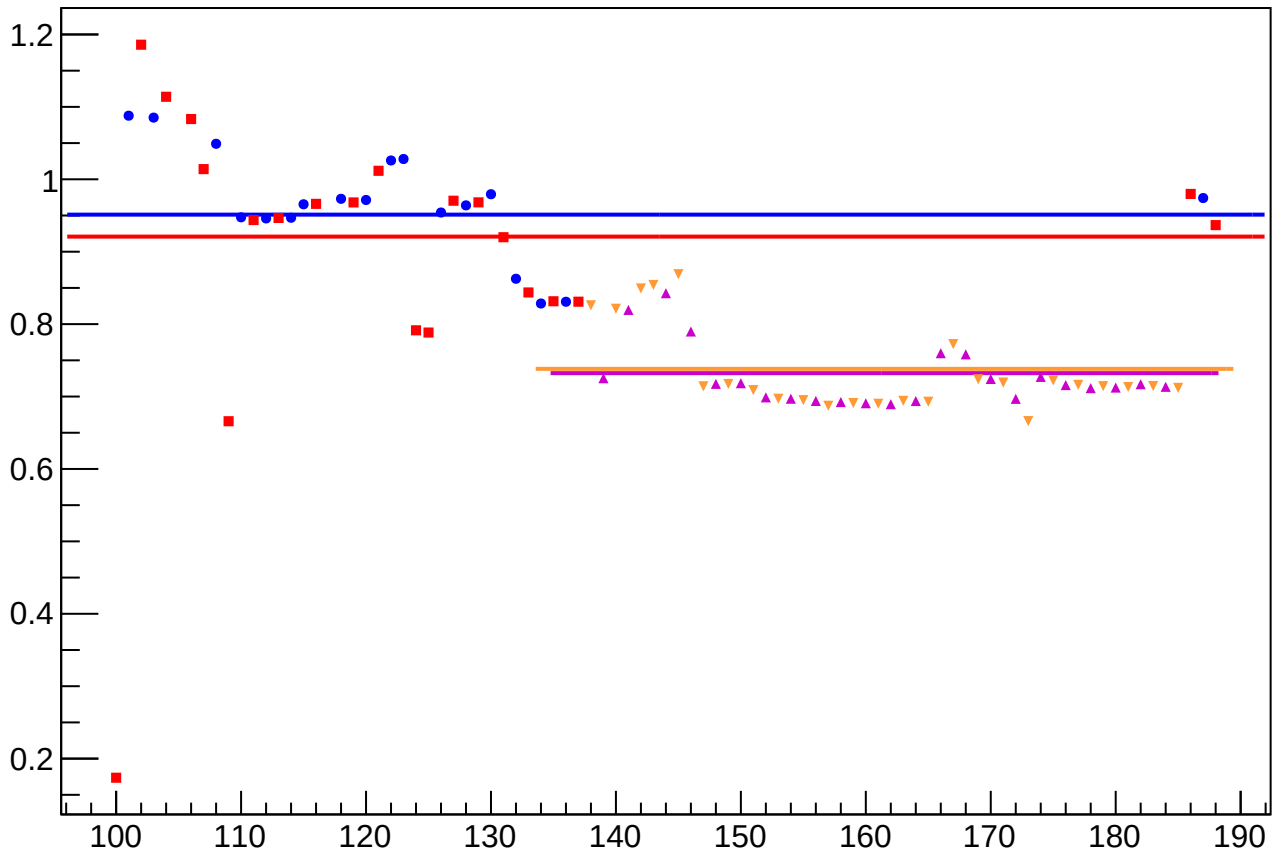
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7894982.9/42

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 16559820.1/86

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8664821.3/43

yield_bpm11X_mean vs Slug



Right In: 0.951 $\pm$ 0.000 χ^2 /NDF: 174377247.7/17

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310610047.7/24

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 376939181.6/20

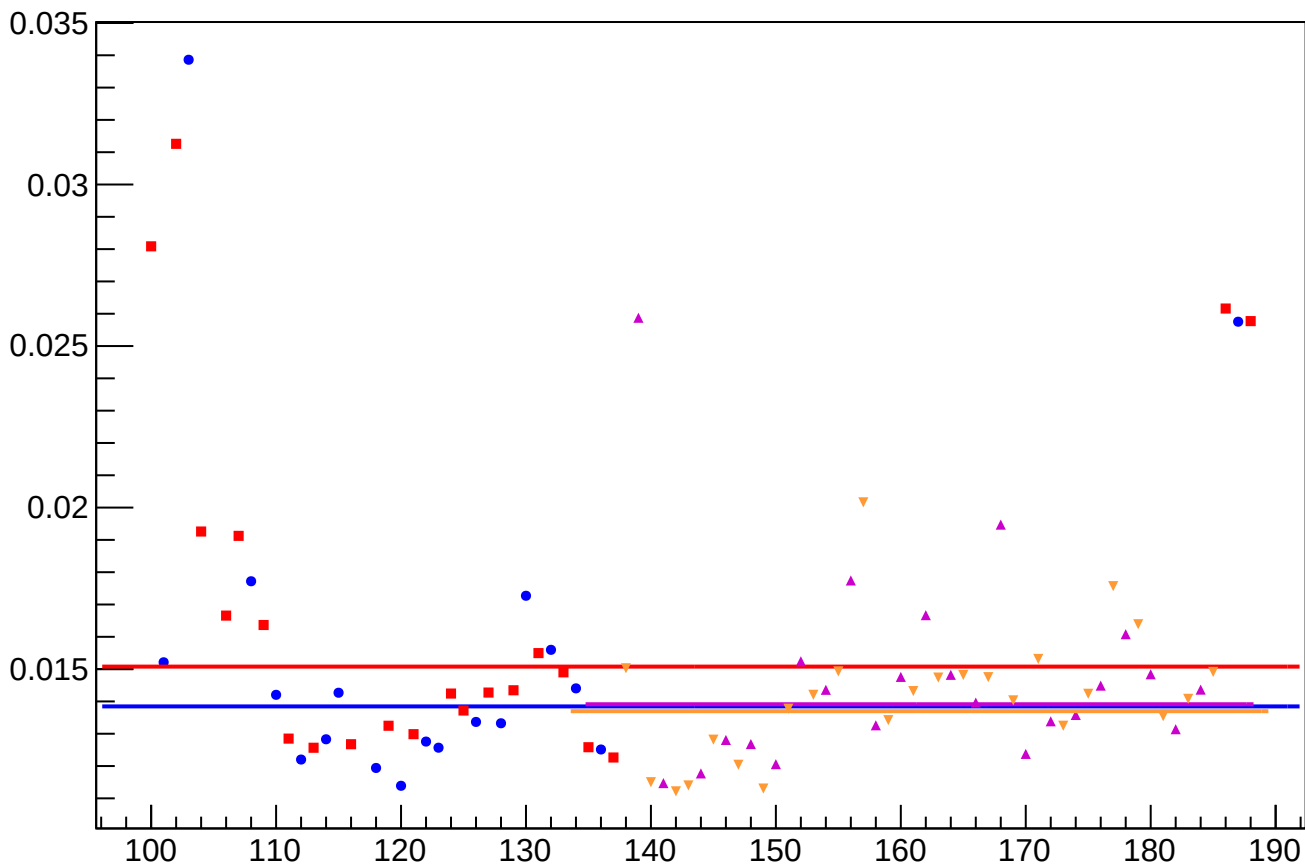
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF:170806298.1/22

+ sign 0.794 $\pm$ 0.000 χ^2 /NDF: 1507866957.9/42

All: 0.789 $\pm$ 0.000 χ^2 /NDF: 2856620567.2/80

- sign 0.785 $\pm$ 0.000 χ^2 /NDF: 1344260652.0/43

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 600189.8/17

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 964113.6/20

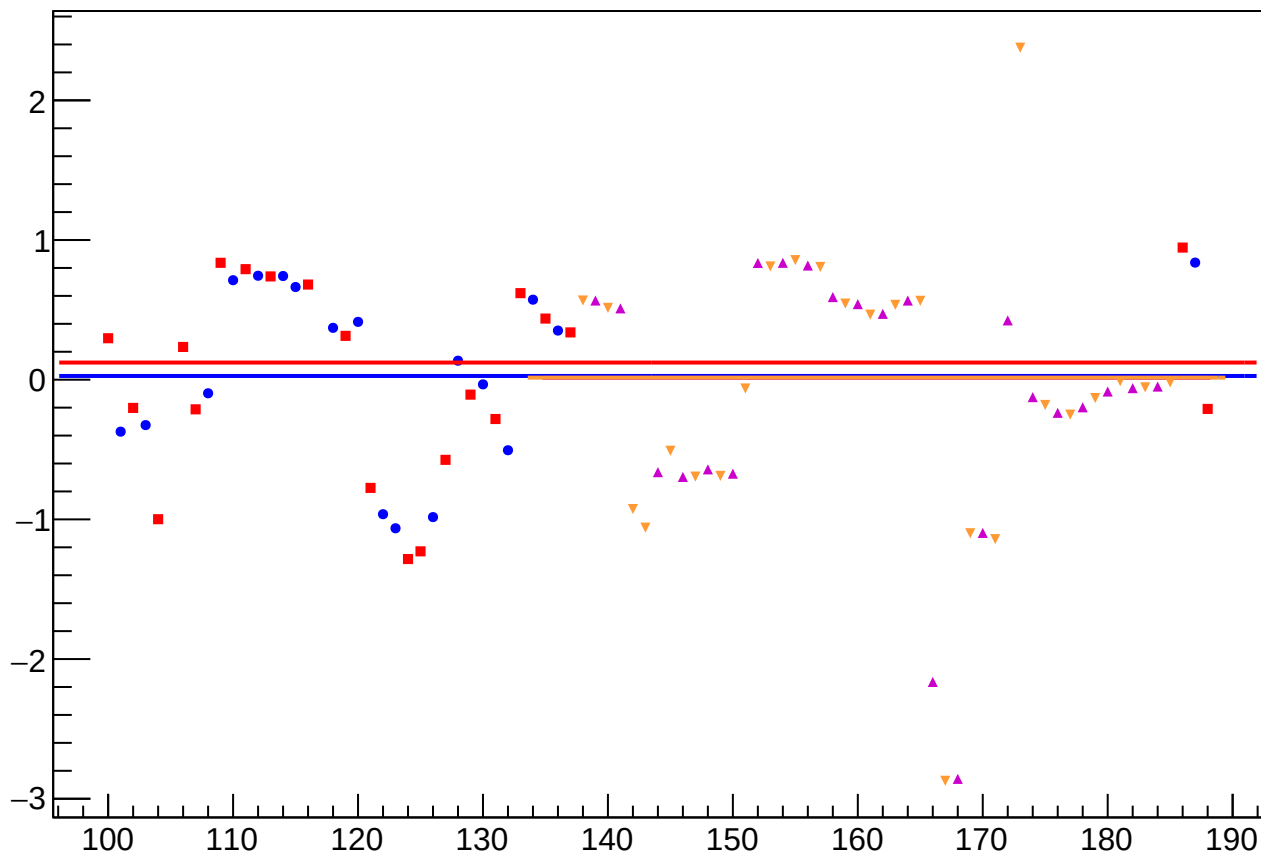
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1132027.5/42

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2980205.2/86

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1819513.5/43

yield_bpm11Y_mean vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 6318267125.3/17

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96087835995.8/24

Right Out: 0.123 $\pm$ 0.000 χ^2 /NDF: 13029322104.7/20

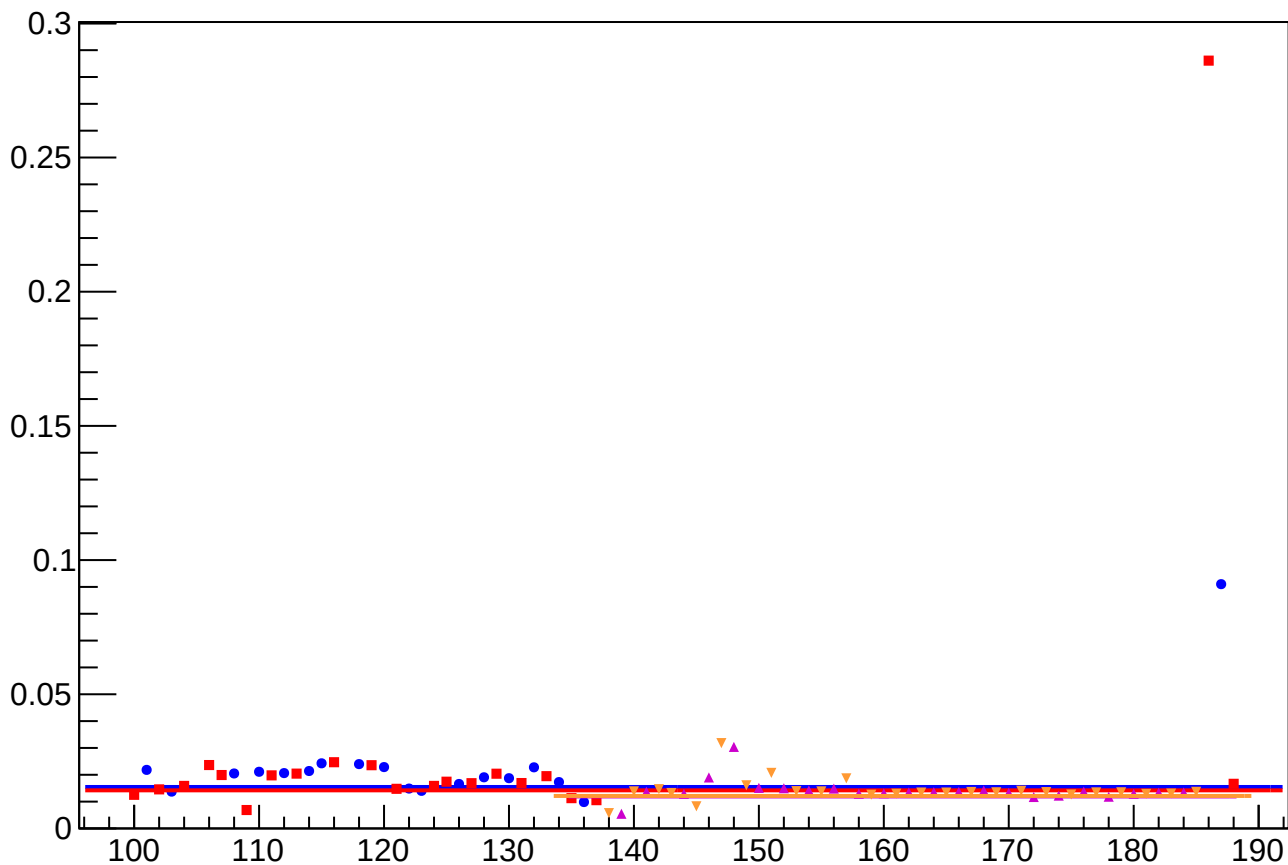
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 102408904402.3/42

All: 0.027 $\pm$ 0.000 χ^2 /NDF: 195199535249.8

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 92761718095.5/43

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1333743.4/17

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2219539.2/20

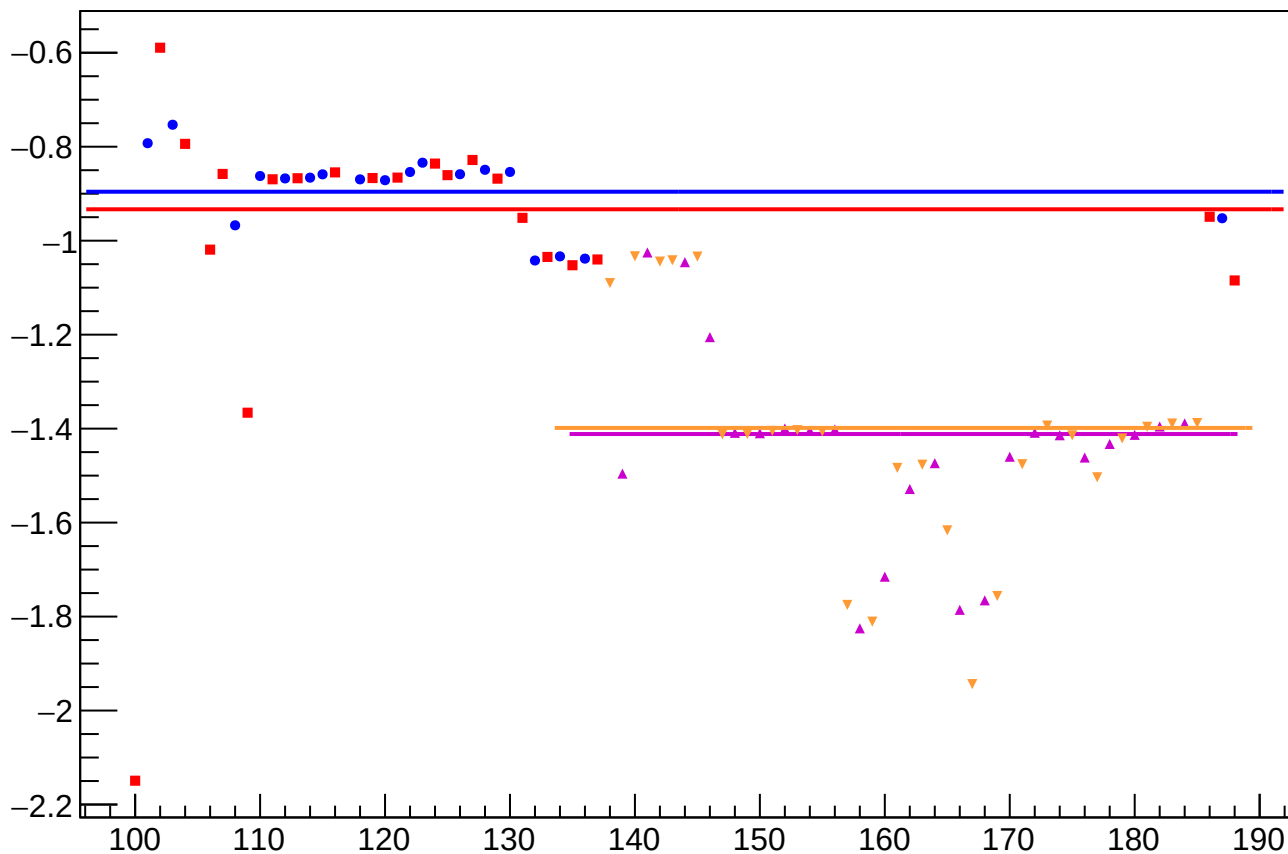
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4873992.1/42

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 10456188.7/86

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5572323.8/43

yield_bpm12X_mean vs Slug



Right In: -0.896+/-0.000 χ^2/NDF : 38078075.9/17

Left Out: -1.398+/-0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.933+/-0.000 χ^2/NDF : 135175516.6/20

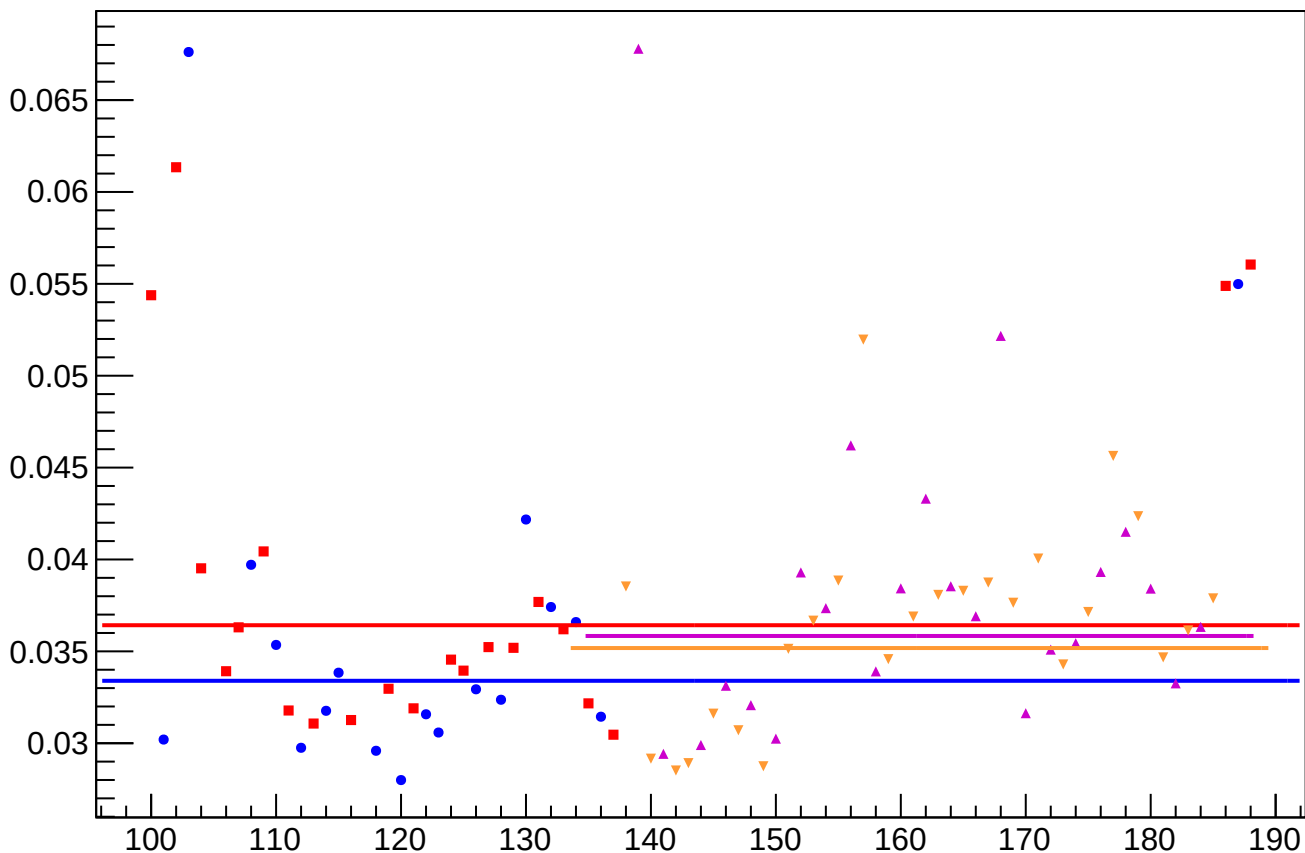
Left In: -1.412+/-0.000 χ^2/NDF : 512629872.4/22

+ sign -1.253+/-0.000 χ^2/NDF : 1724099165.2/42

All: -1.257+/-0.000 χ^2/NDF : 3227358956.2/8

- sign -1.262+/-0.000 χ^2/NDF : 1502433388.5/43

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 444350.4/17

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.036 $\pm$ 0.000 χ^2 /NDF: 594384.3/20

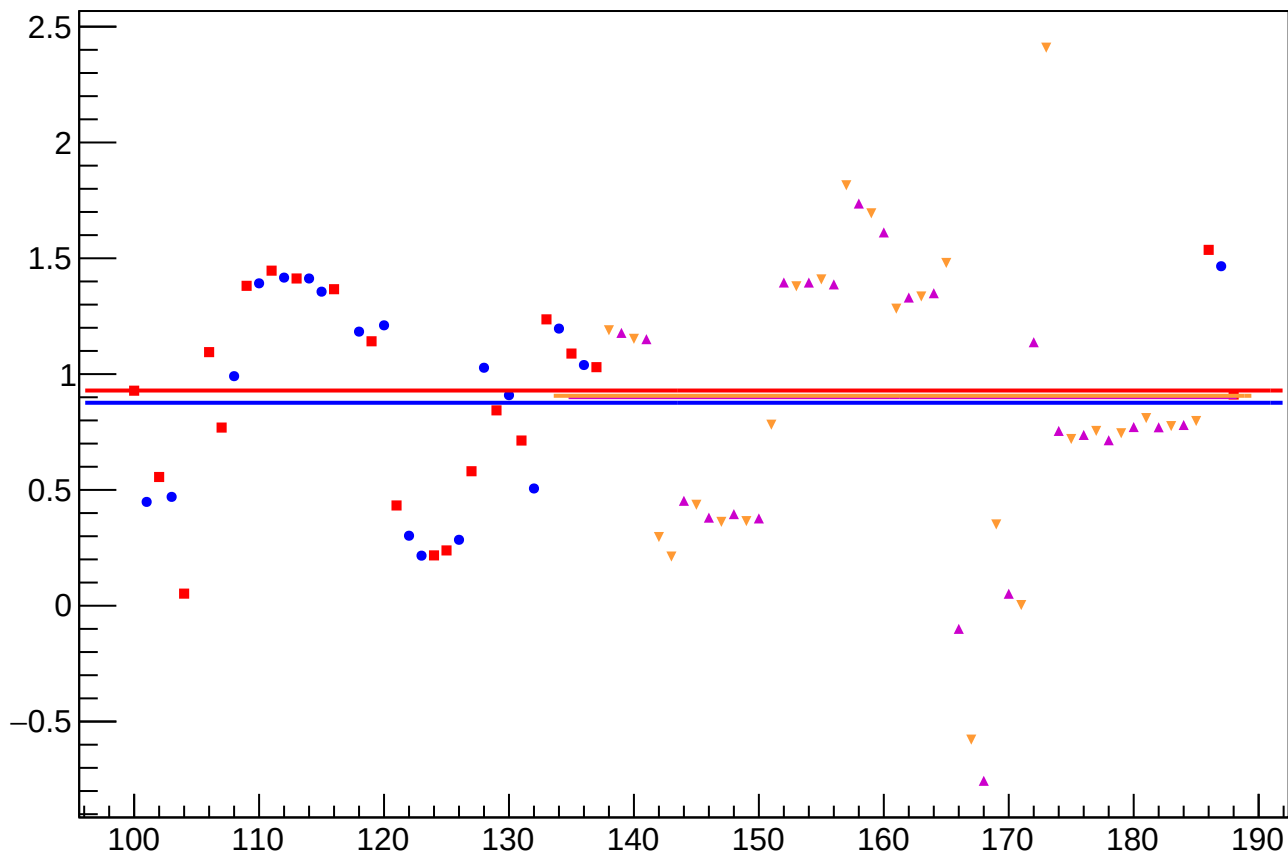
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1066166.4/42

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 2586900.3/86

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 1487933.6/43

yield_bpm12Y_mean vs Slug



Right In: 0.876 $\pm$ 0.000 χ^2 /NDF: 6472564507.3/17

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF:84108410196.2/24

Right Out: 0.929 $\pm$ 0.000 χ^2 /NDF: 9961005947.5/20

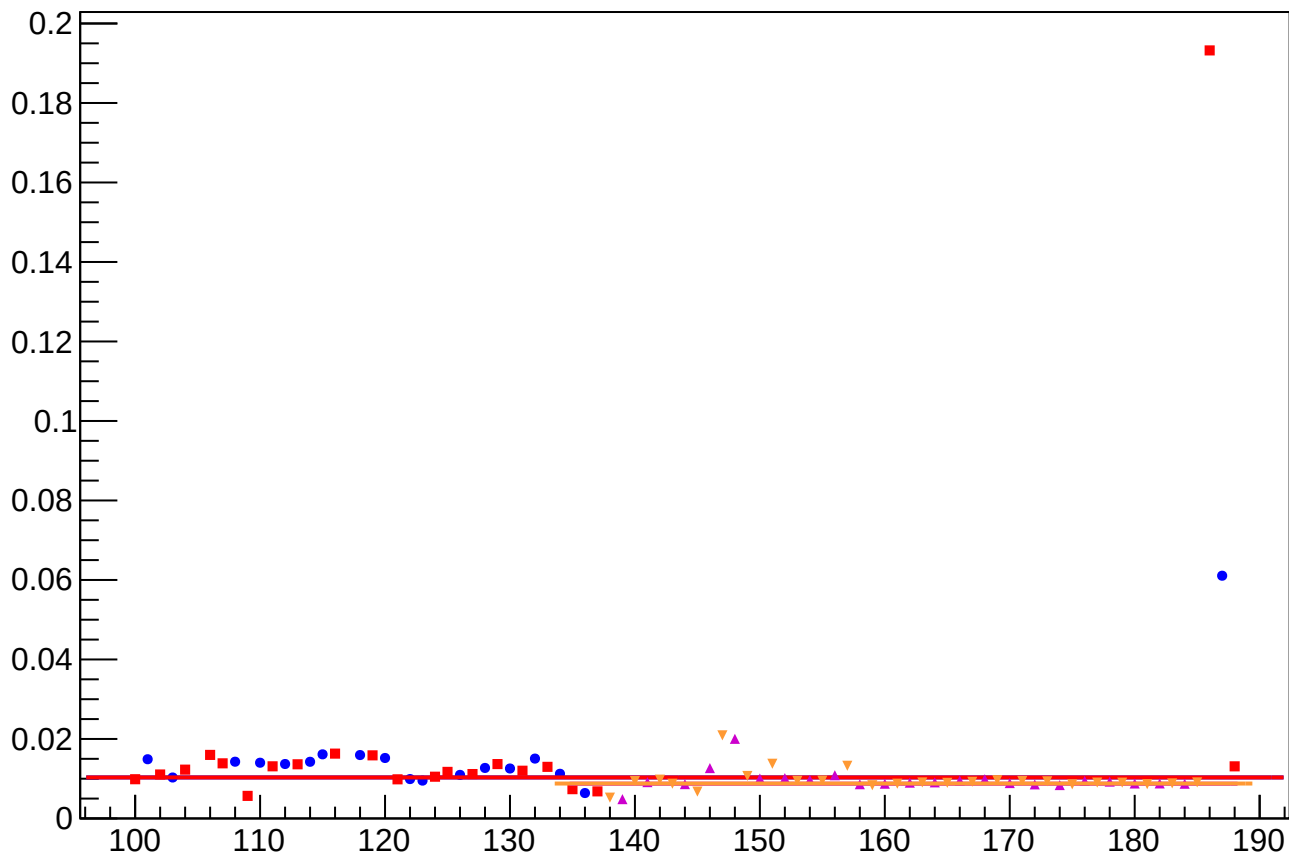
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF:66932223067.8/22

+ sign 0.901 $\pm$ 0.000 χ^2 /NDF: 90619374868.6/42

All: 0.904 $\pm$ 0.000 χ^2 /NDF: 167556313070.2

- sign 0.907 $\pm$ 0.000 χ^2 /NDF: 76931331132.6/43

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1399787.6/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1864161.7/20

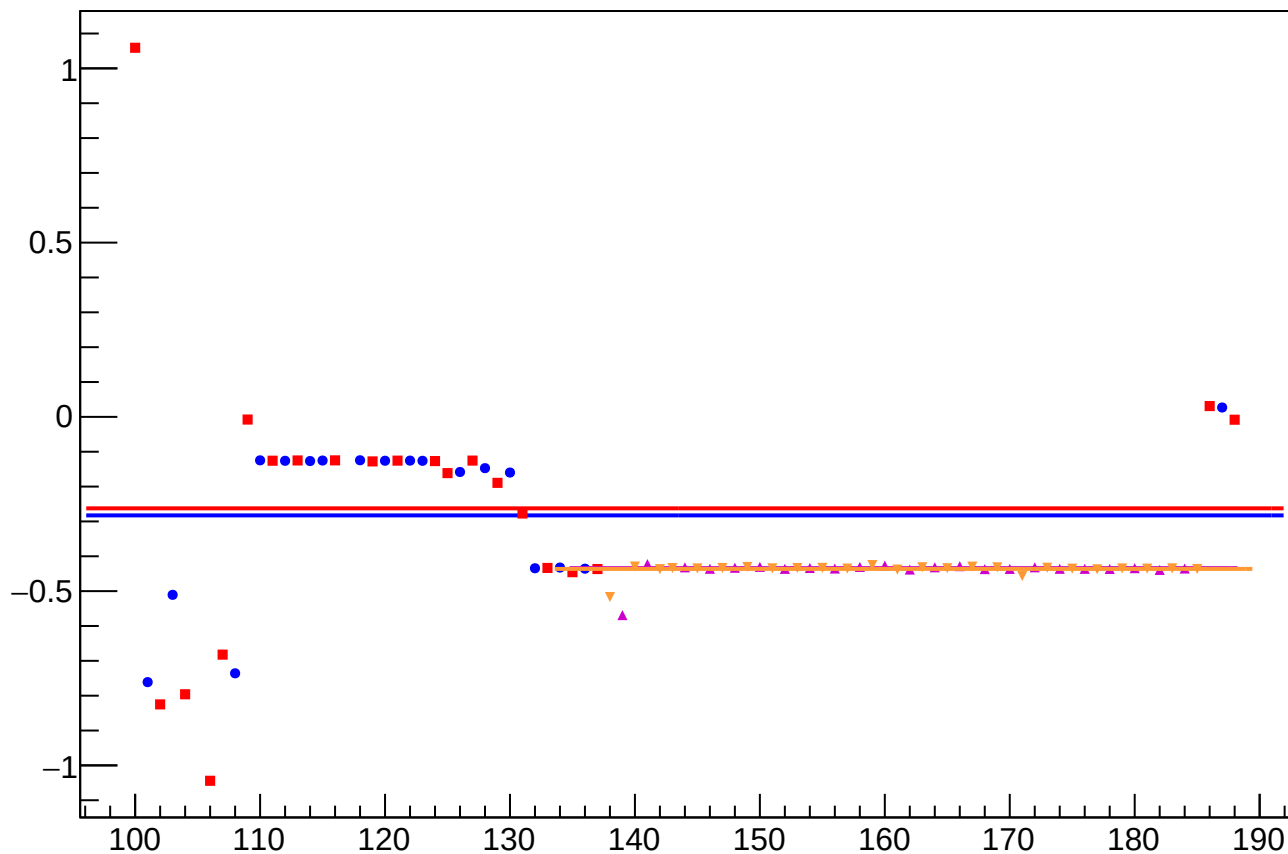
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3297434.5/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7067005.9/86

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3769527.6/43

yield_bpm16X_mean vs Slug



Right In: -0.283 ± 0.000 $\chi^2/\text{NDF}: 901745820.7/17$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28776503.9/24$

Right Out: -0.262 ± 0.000 $\chi^2/\text{NDF}: 1009149970.4/20$

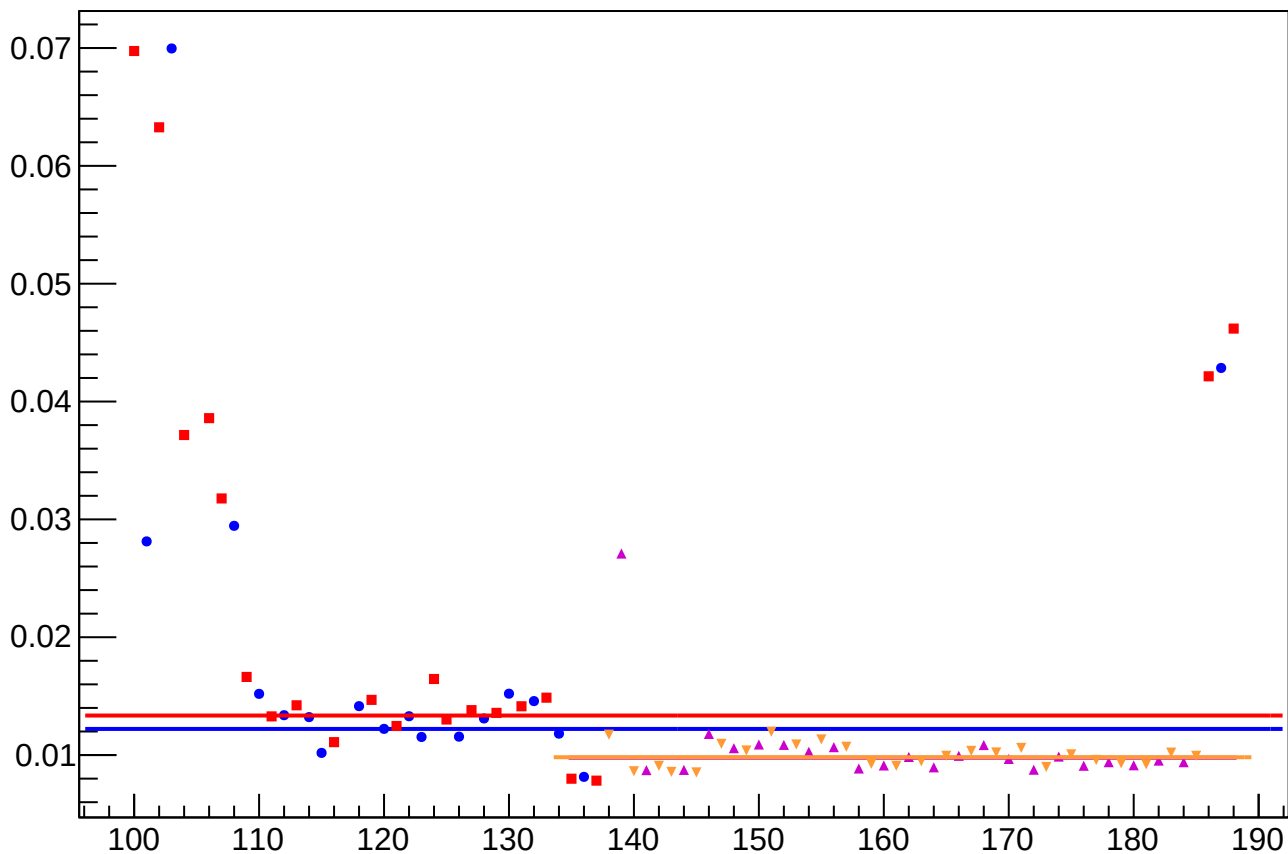
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20164730.3/22$

+ sign -0.411 ± 0.000 $\chi^2/\text{NDF}: 1553833901.5/42$

All: -0.409 ± 0.000 $\chi^2/\text{NDF}: 3331537797.7/8$

- sign -0.406 ± 0.000 $\chi^2/\text{NDF}: 1774786741.9/43$

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1869064.7/17

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 271172.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 3174933.6/20

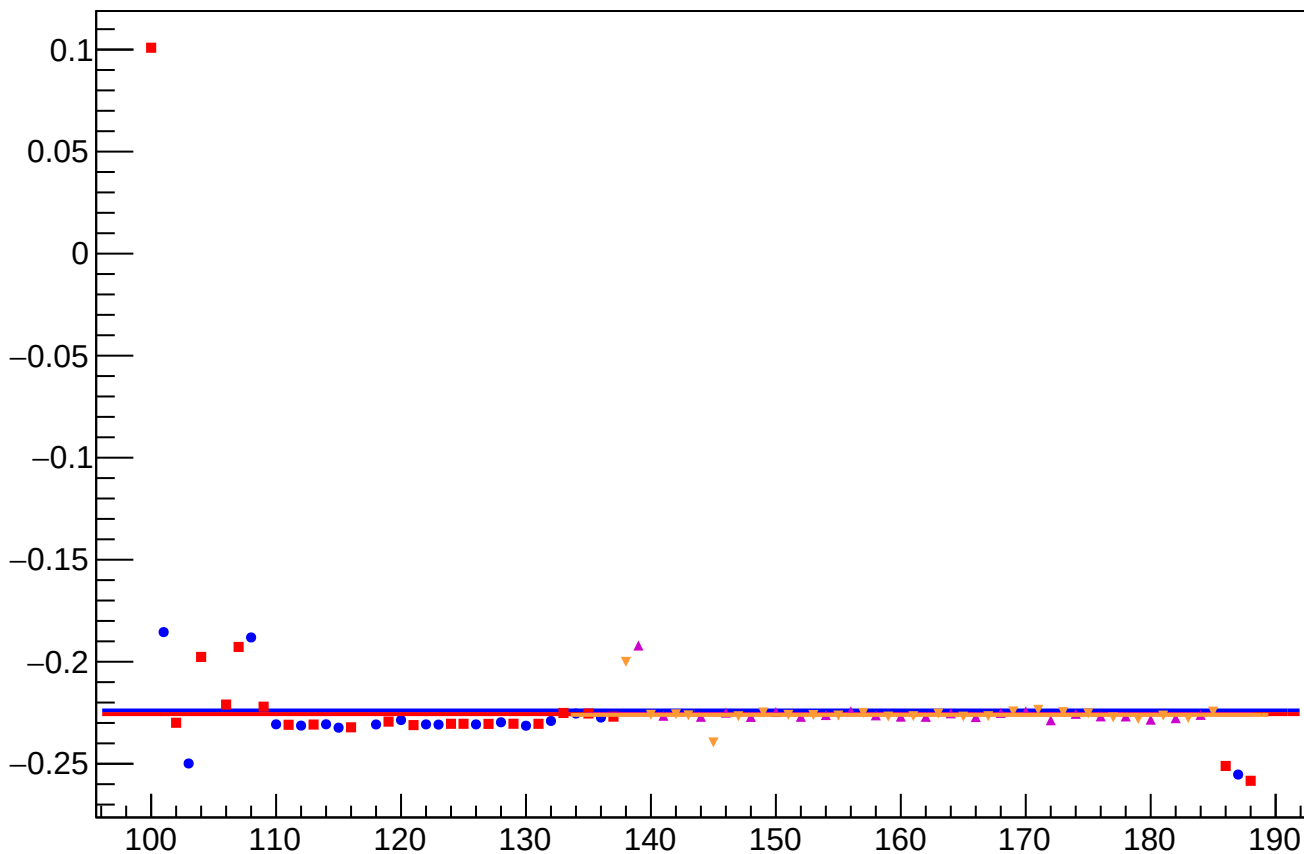
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 786577.8/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2445516.6/42

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7061687.1/86

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 4611445.9/43

yield_bpm16Y_mean vs Slug



Right In: -0.224 ± 0.000 χ^2/NDF : 75380719.1/17

Left Out: -0.226 ± 0.000 χ^2/NDF : 21207366.3/24

+ sign -0.225 ± 0.000 χ^2/NDF : 97470560.9/42

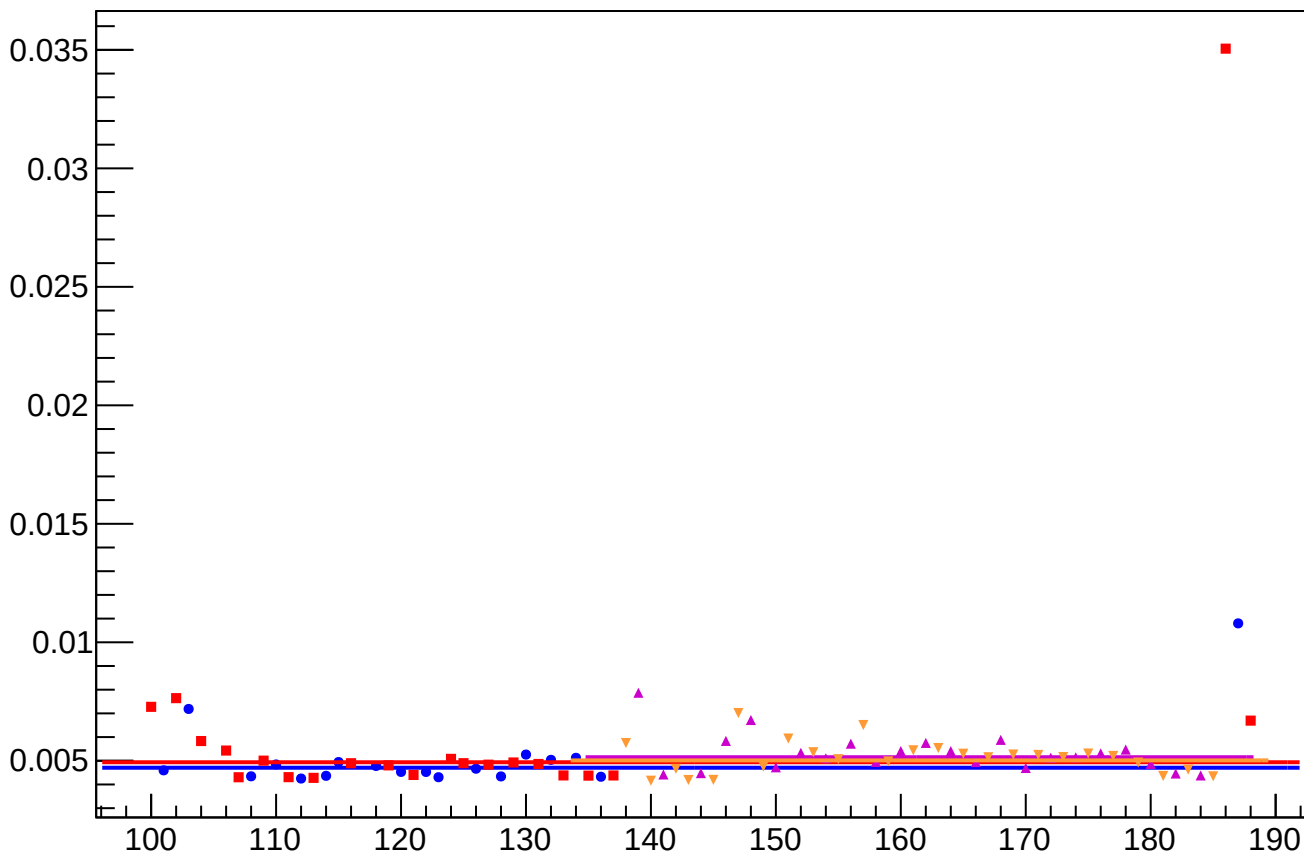
Right Out: -0.226 ± 0.000 χ^2/NDF : 189343296.1/20

All: -0.226 ± 0.000 χ^2/NDF : 300573860.0/86

- sign -0.226 ± 0.000 χ^2/NDF : 203061346.0/43

Left In: -0.226 ± 0.000 χ^2/NDF : 13717302.5/22

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 268927.6/17

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 901678.7/20

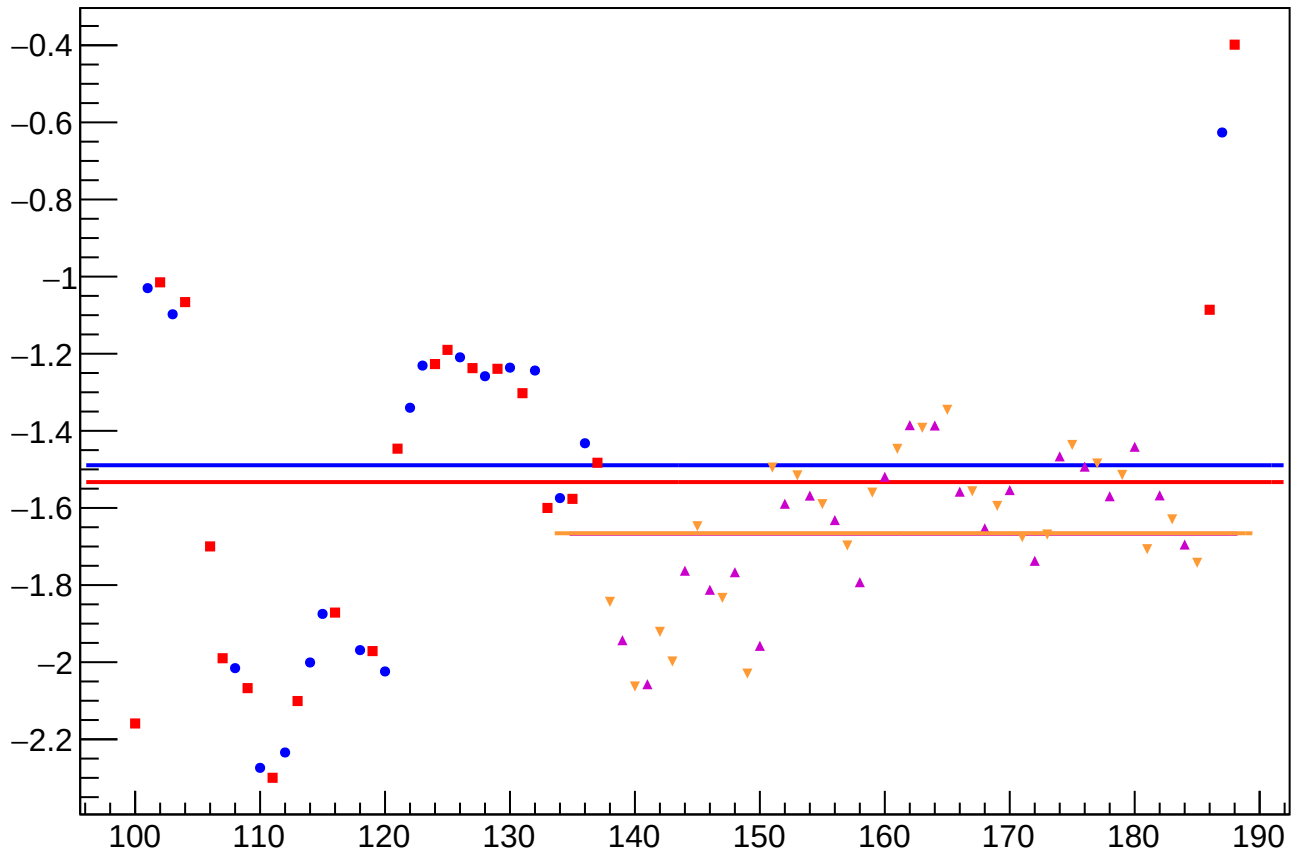
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 838921.1/42

All: 0.005+/-0.000 χ^2/NDF : 2284550.8/86

- sign 0.005+/-0.000 χ^2/NDF : 1423706.9/43

yield_bpm0l01X_mean vs Slug



Right In: -1.489+/-0.000 χ^2/NDF : 23284358331.3/17

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.533+/-0.000 χ^2/NDF : 41901048718.6/20

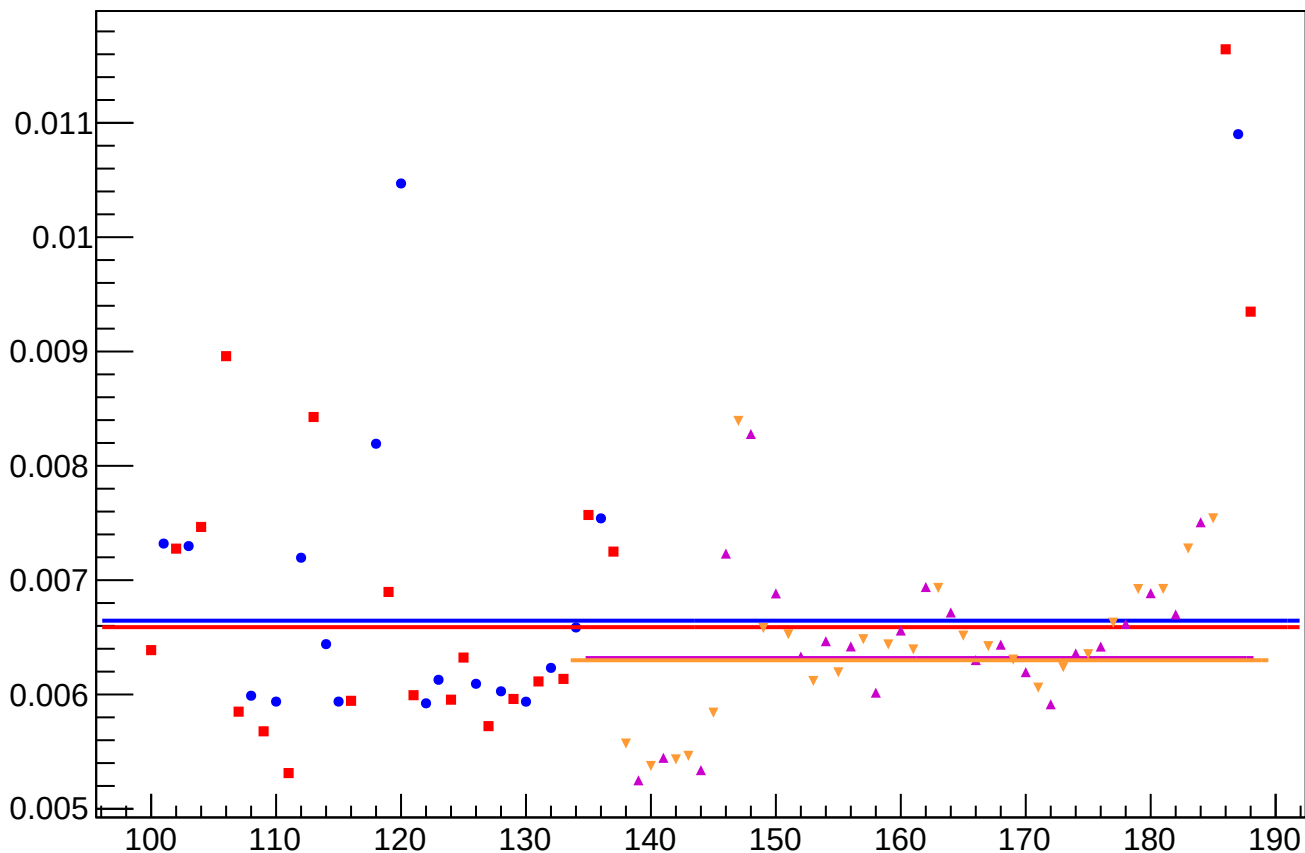
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.623+/-0.000 χ^2/NDF : 44948259634.3/42

All: -1.625+/-0.000 χ^2/NDF : 103682111540.5

- sign -1.627+/-0.000 χ^2/NDF : 58730008861.5/43

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 240200.7/17

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 312811.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 526461.0/20

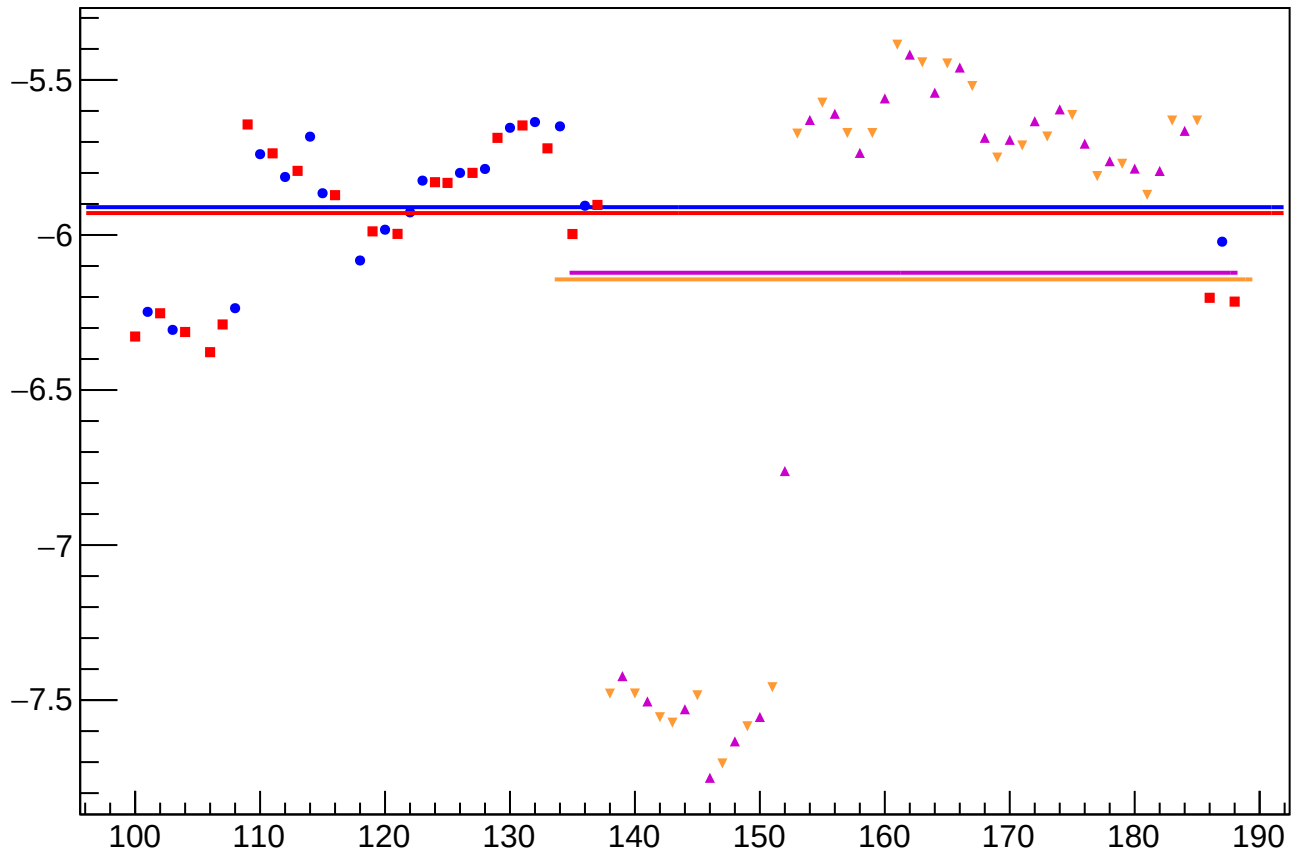
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 334332.4/22

+ sign 0.006 $\pm$ 0.000 χ^2/NDF : 578374.5/42

All: 0.006 $\pm$ 0.000 χ^2/NDF : 1457320.3/86

- sign 0.006 $\pm$ 0.000 χ^2/NDF : 878780.5/43

yield_bpm0l01Y_mean vs Slug



Right In: -5.910 ± 0.000 $\chi^2/\text{NDF}: 11114168055.1/17$

Left Out: -6.143 ± 0.000 $\chi^2/\text{NDF}: 185721259239.3/24$

Right Out: -5.929 ± 0.000 $\chi^2/\text{NDF}: 13457378859.4/20$

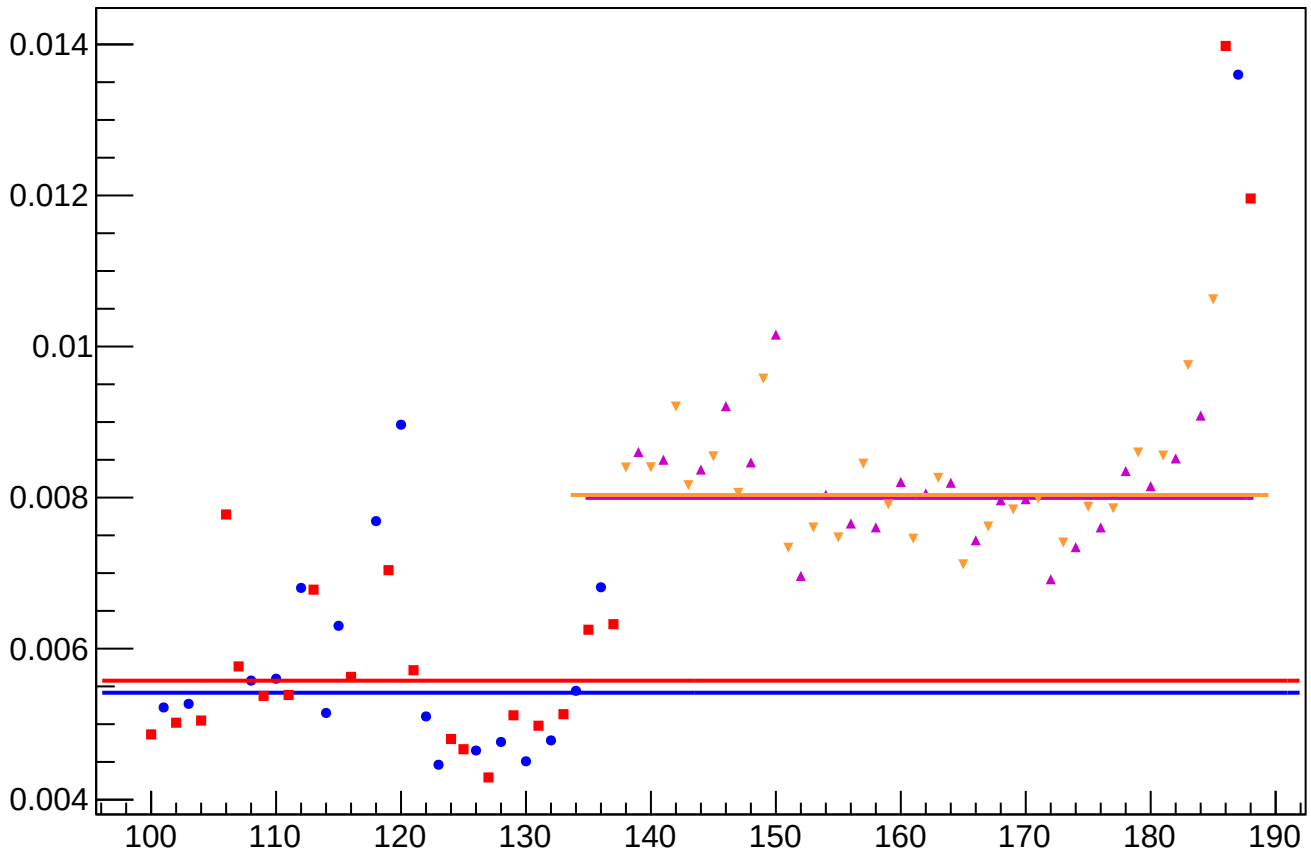
Left In: -6.122 ± 0.000 $\chi^2/\text{NDF}: 159909473006.6/22$

+ sign -6.041 ± 0.000 $\chi^2/\text{NDF}: 202981218369.4/42$

All: -6.035 ± 0.000 $\chi^2/\text{NDF}: 380814465625.8$

- sign -6.029 ± 0.000 $\chi^2/\text{NDF}: 177801107759.3/43$

yield_bpm0l01Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 444369.5/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205976.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1010833.3/20

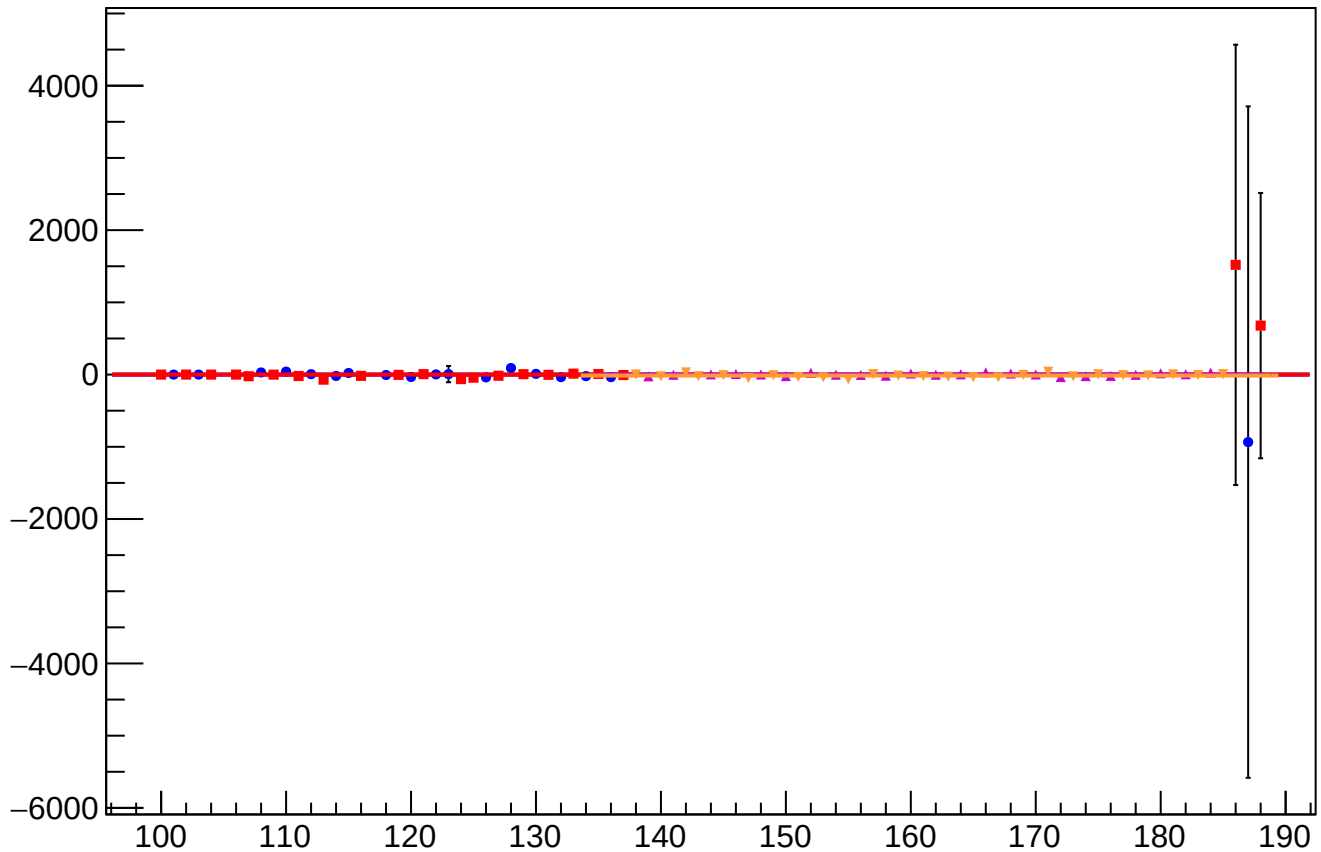
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220203.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2203252.3/42

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 4838143.6/86

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2633623.3/43

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 16.3/17

Left Out: -13.472 $\pm$ 2.796 χ^2 /NDF: 58.5/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 15.3/20

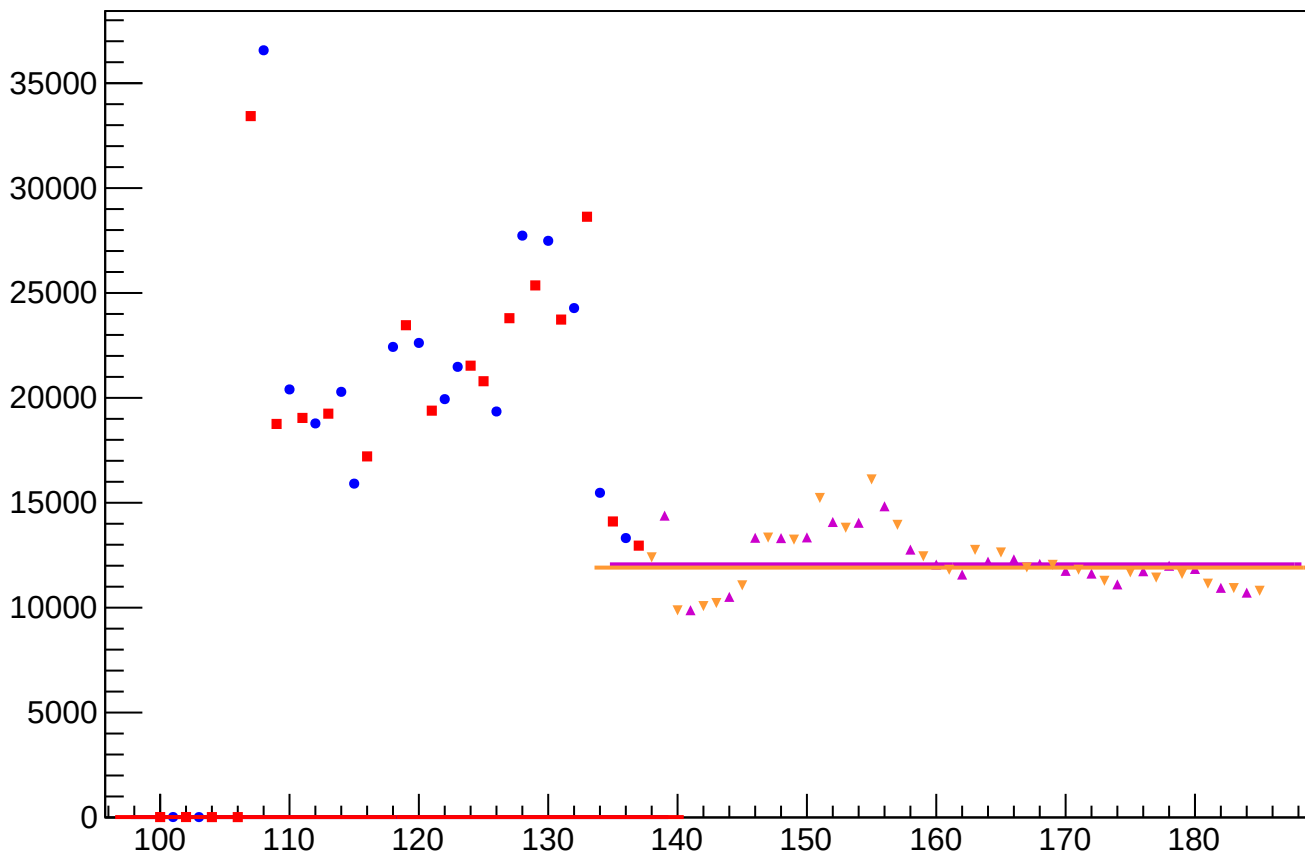
Left In: -0.489 $\pm$ 2.905 χ^2 /NDF: 28.7/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 98.1/42

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 142.3/86

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 44.0/43

diff_cav4bX_rms vs Slug



Right In: 18.640 $\pm$ 0.012 χ^2 /NDF: 10799270.4/16

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

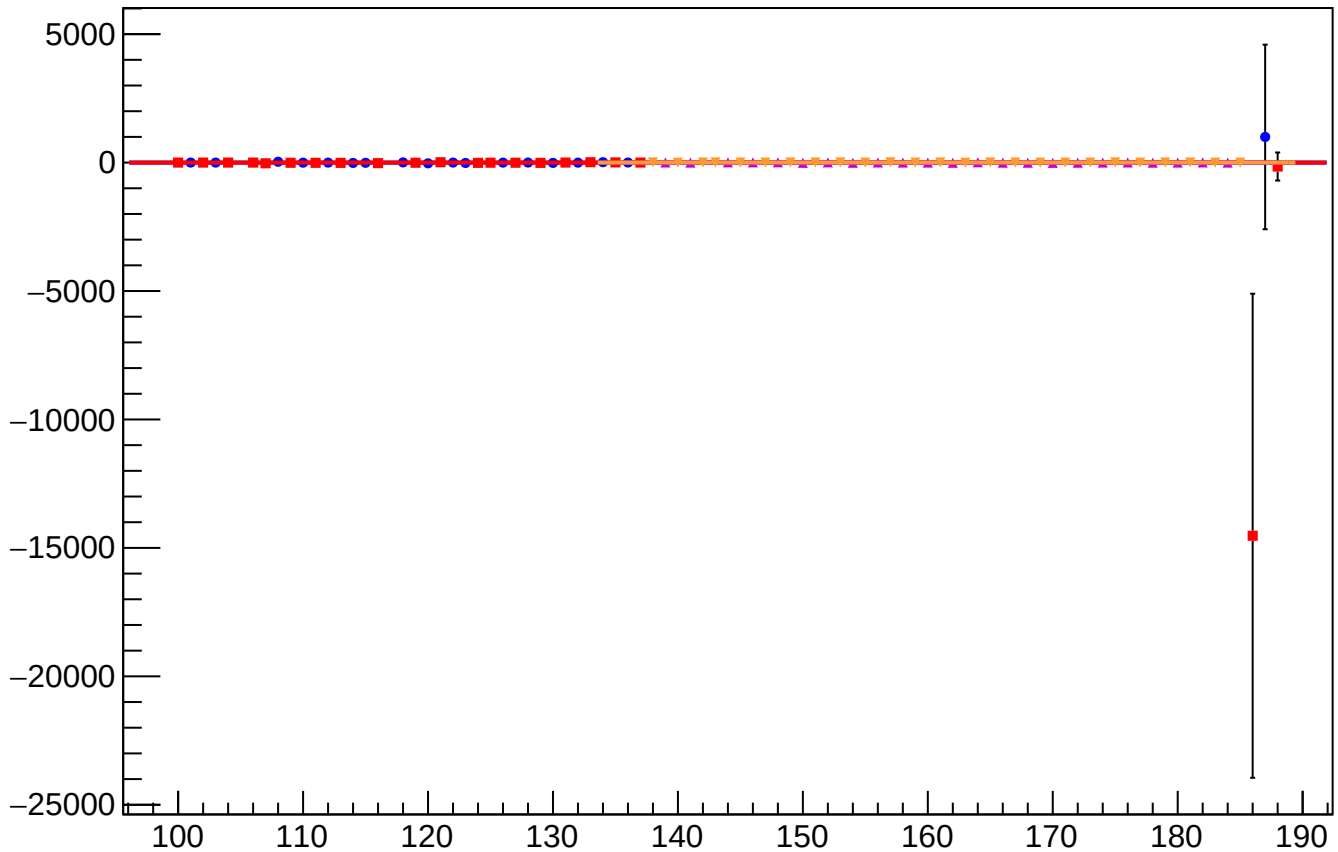
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.097 $\pm$ 0.012 χ^2 /NDF: 47439513.1/41

All: 18.873 $\pm$ 0.008 χ^2 /NDF: 93248736.0/83

- 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: 14.7/17

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF:17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 21.1/20

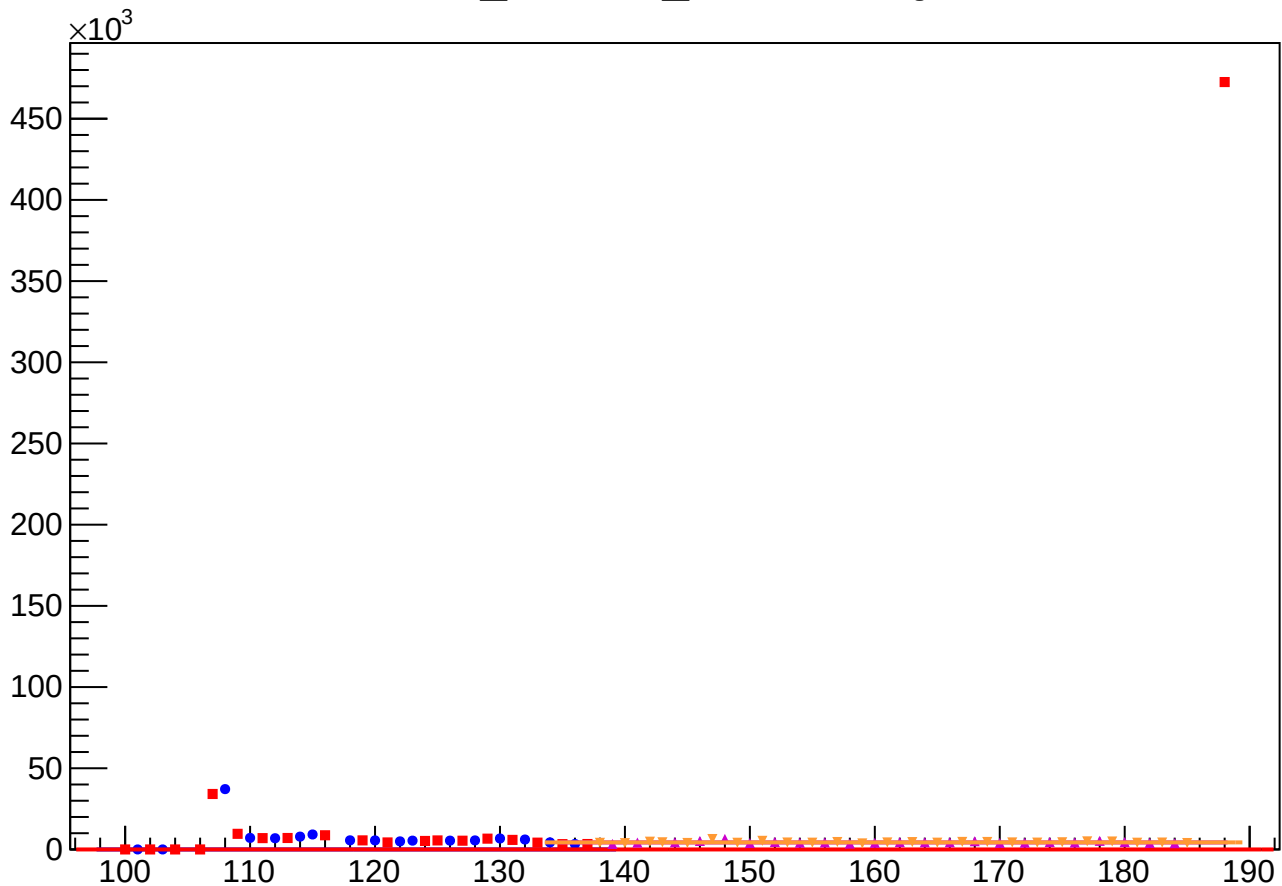
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF:35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.3/42

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 93.8/86

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 57.4/43

diff_cav4bY_rms vs Slug



Right In: 9.938 ± 0.007 χ^2/NDF : 10926318.4/16

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.854 ± 0.006 χ^2/NDF : 12579164.5/19

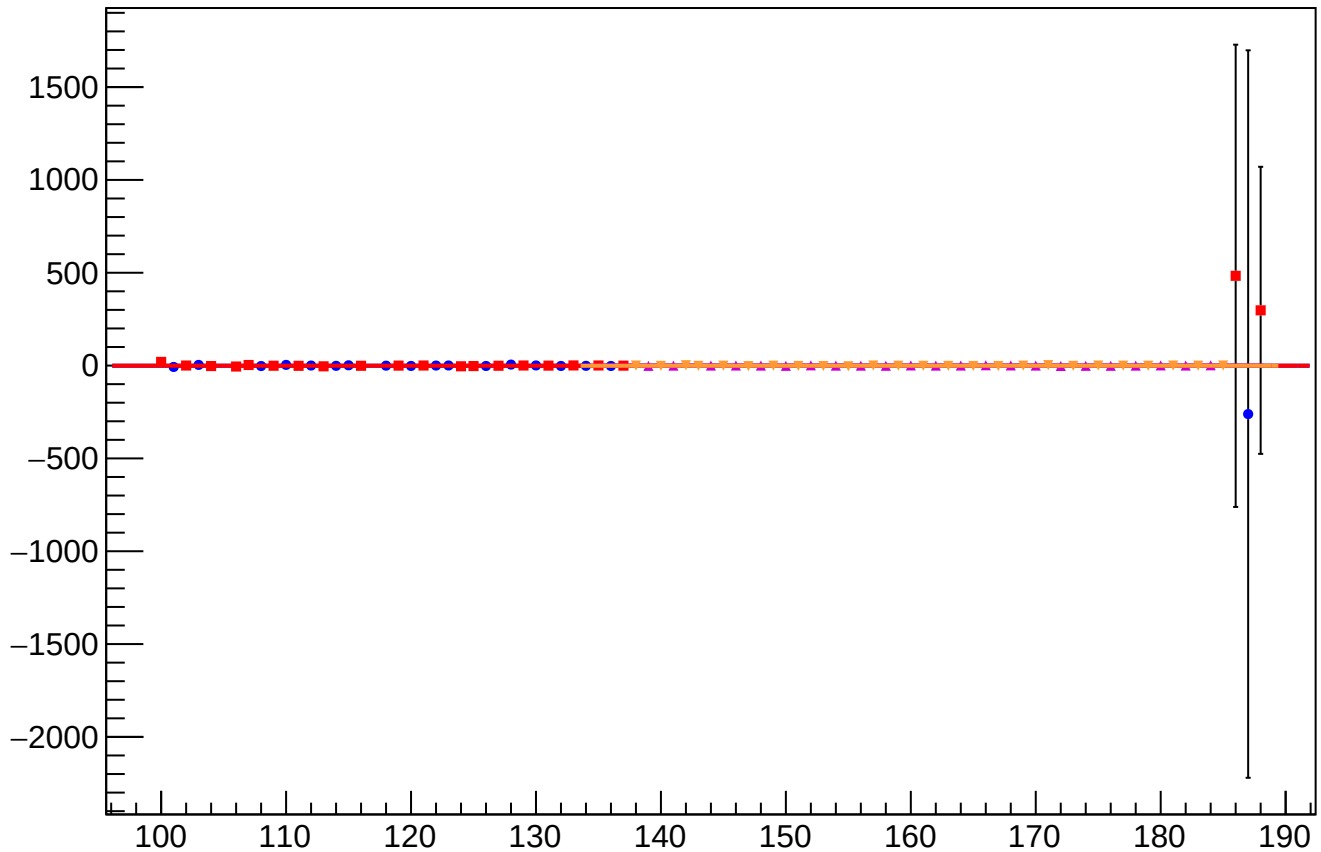
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.290 ± 0.007 χ^2/NDF : 47454315.6/41

All: 10.216 ± 0.004 χ^2/NDF : 94631390.3/84

- sign 10.150 ± 0.006 χ^2/NDF : 47176828.7/42

diff_cav4cX_mean vs Slug



Right In: -0.702 ± 0.485 χ^2/NDF : 22.5/17

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.760 ± 0.502 χ^2/NDF : 12.1/20

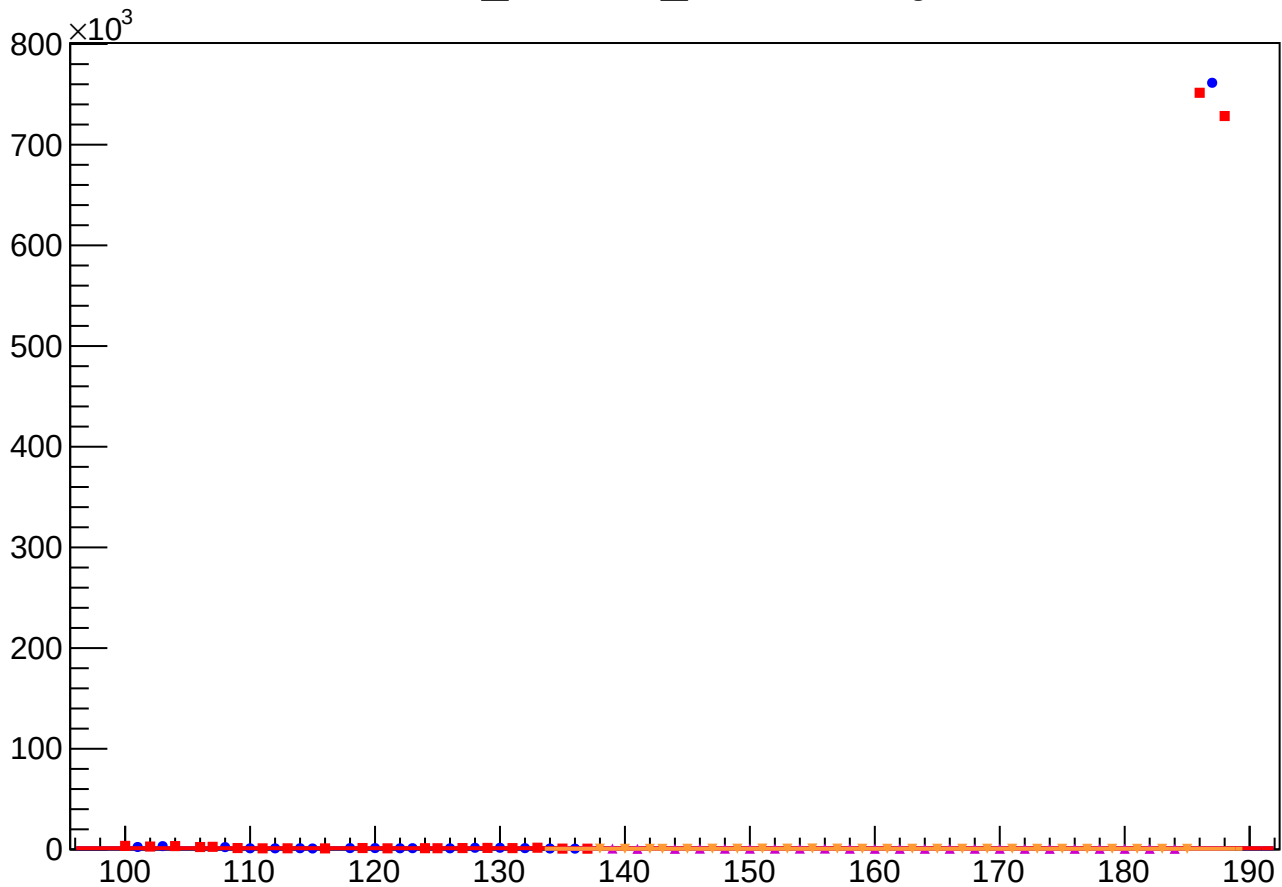
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 80.9/42

All: -0.443 ± 0.112 χ^2/NDF : 133.1/86

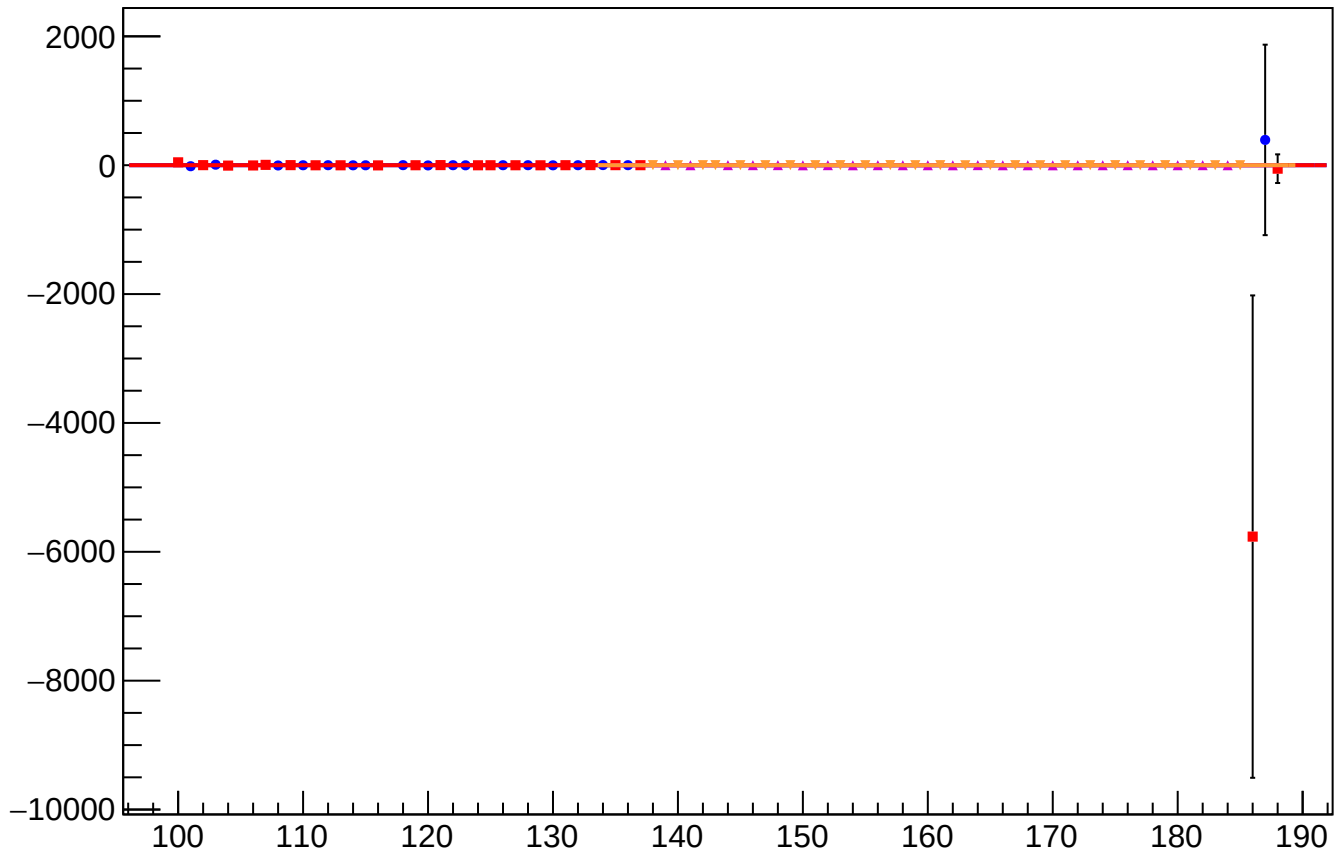
- sign -0.097 ± 0.161 χ^2/NDF : 43.2/43

diff_cav4cX_rms vs Slug



Right In: 1164.258 $\pm$ 0.343 χ^2 /NDF: 1887272.4/17 + sign 748.507 $\pm$ 0.110 χ^2 /NDF: 3918002.5/42
Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF: 392521.4/24 All: 755.425 $\pm$ 0.079 χ^2 /NDF: 10473173.3/80
Right Out: 1249.696 $\pm$ 0.355 χ^2 /NDF: 4112491.4/20 - sign 762.842 $\pm$ 0.114 χ^2 /NDF: 6546979.8/43
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF: 338177.1/22

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.271 χ^2/NDF : 21.0/17

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.244 ± 0.265 χ^2/NDF : 23.1/20

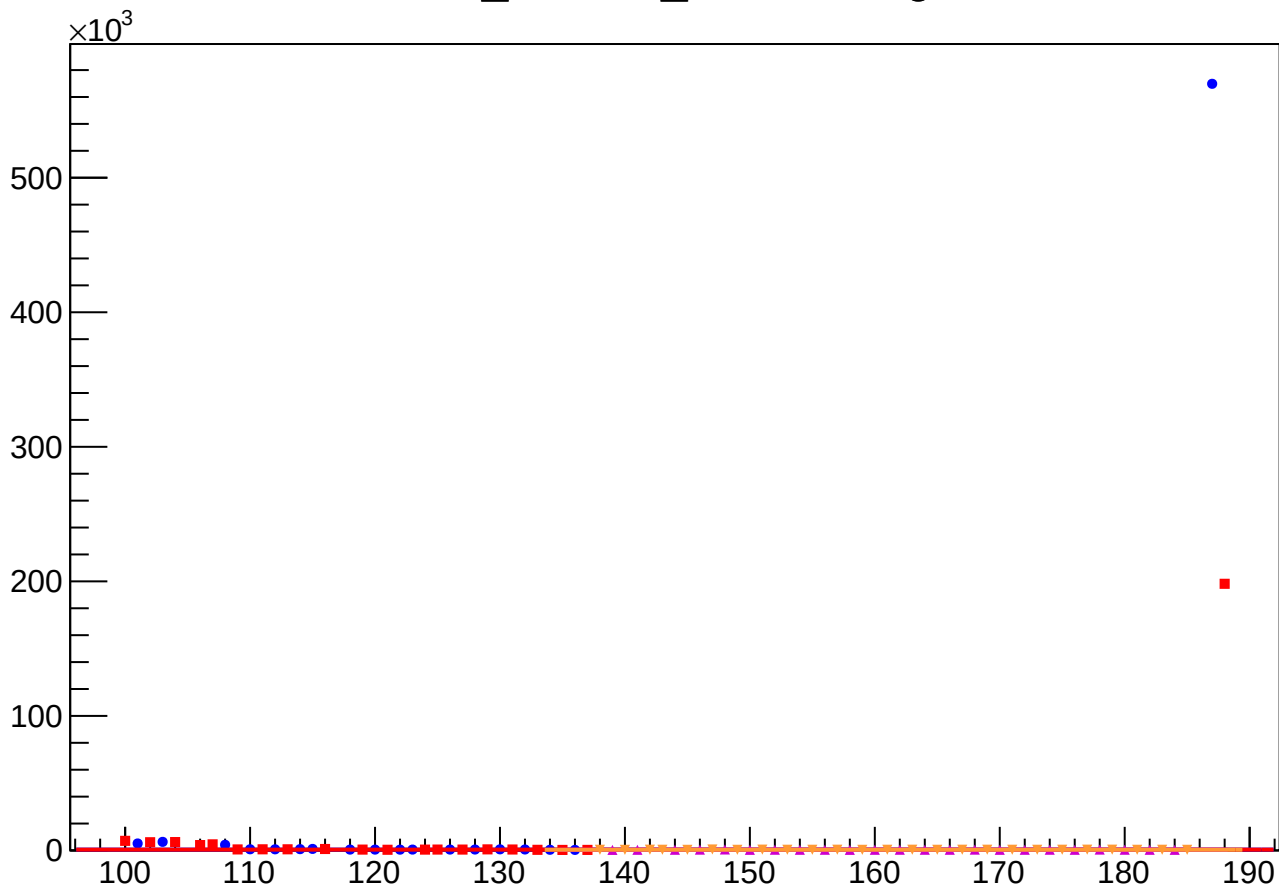
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 ± 0.112 χ^2/NDF : 39.5/42

All: 0.163 ± 0.080 χ^2/NDF : 97.9/86

- sign 0.139 ± 0.113 χ^2/NDF : 58.3/43

diff_cav4cY_rms vs Slug



Right In: 608.608 $\pm$ 0.191 χ^2 /NDF: 3434071.4/17

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 599.996 $\pm$ 0.187 χ^2 /NDF: 5125604.7/19

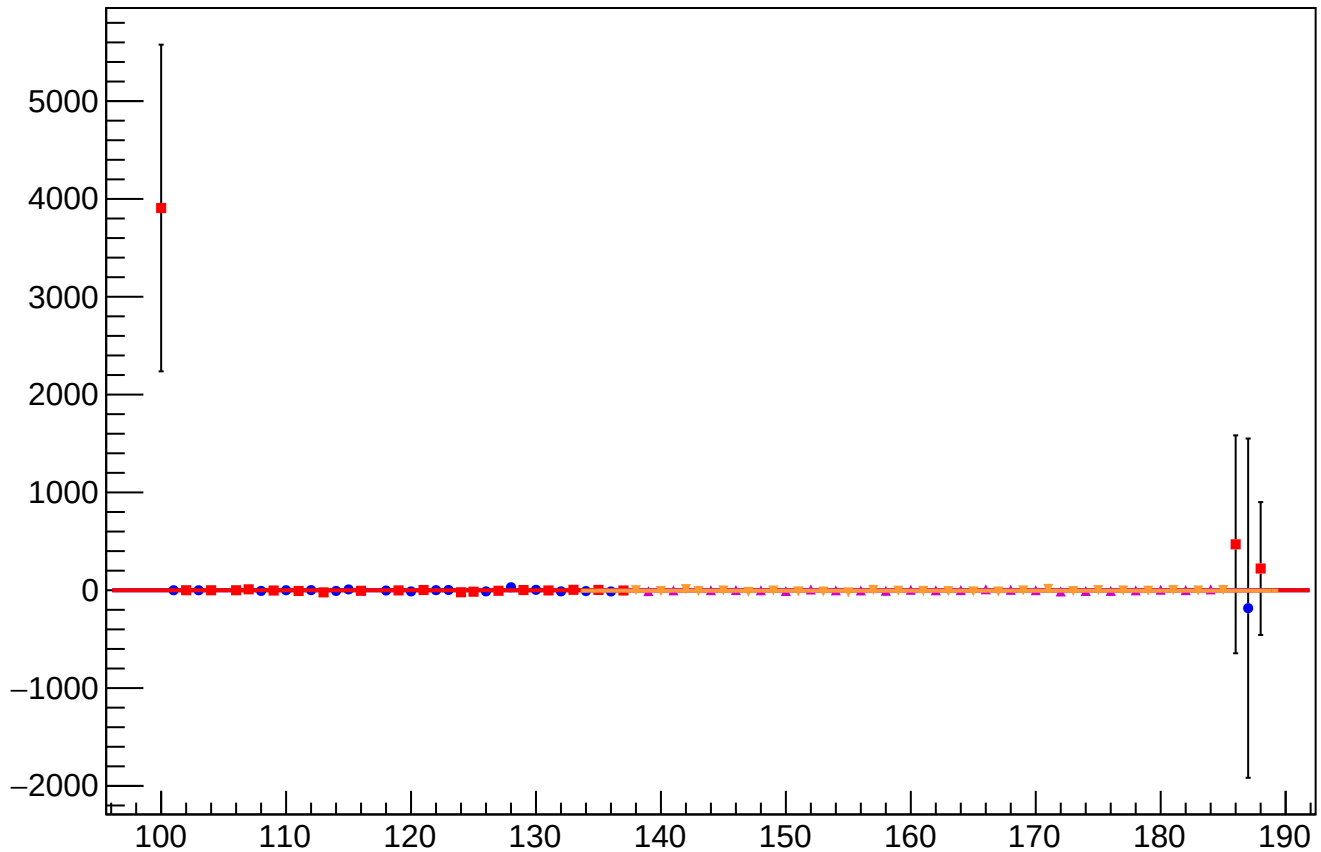
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.075 $\pm$ 0.079 χ^2 /NDF: 3934090.0/42

All: 535.854 $\pm$ 0.056 χ^2 /NDF: 9654272.2/85

- sign 534.593 $\pm$ 0.080 χ^2 /NDF: 5719695.5/42

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/17

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.1/20

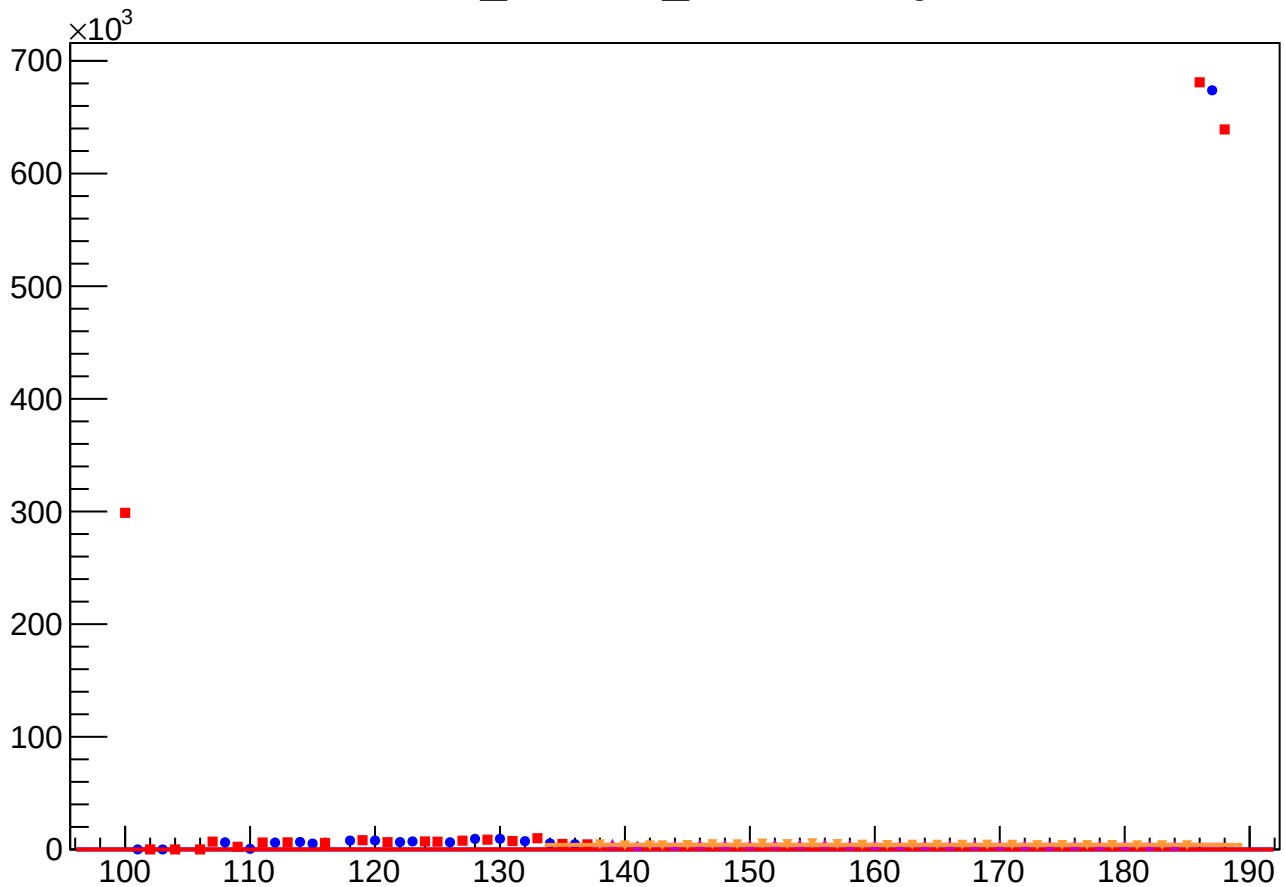
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 95.6/42

All: -0.025 ± 0.014 χ^2/NDF : 141.9/86

- sign -0.027 ± 0.020 χ^2/NDF : 46.4/43

diff_cav4dX_rms vs Slug



Right In: 17.335 $\pm$ 0.015 χ^2 /NDF: 10617458.8/17

Left Out: 4074.257 $\pm$ 0.676 χ^2 /NDF: 416916.0/24

Right Out: 17.268 $\pm$ 0.014 χ^2 /NDF: 13278605.5/20

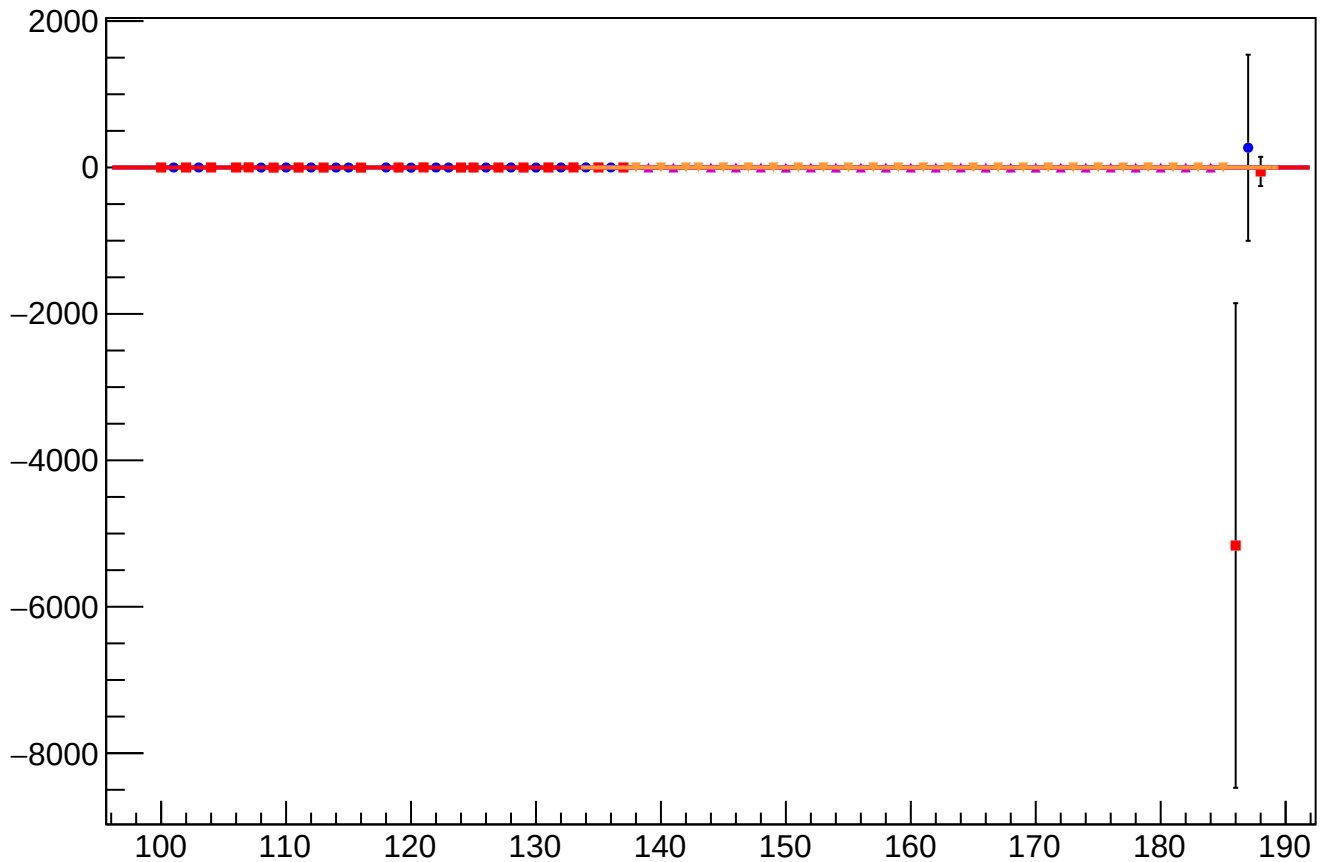
Left In: 4113.744 $\pm$ 0.700 χ^2 /NDF: 354965.8/22

+ sign 19.256 $\pm$ 0.015 χ^2 /NDF: 47067608.9/42

All: 19.070 $\pm$ 0.010 χ^2 /NDF: 94918338.5/86

- sign 18.901 $\pm$ 0.014 χ^2 /NDF: 47850424.0/43

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.4/17

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 20.6/20

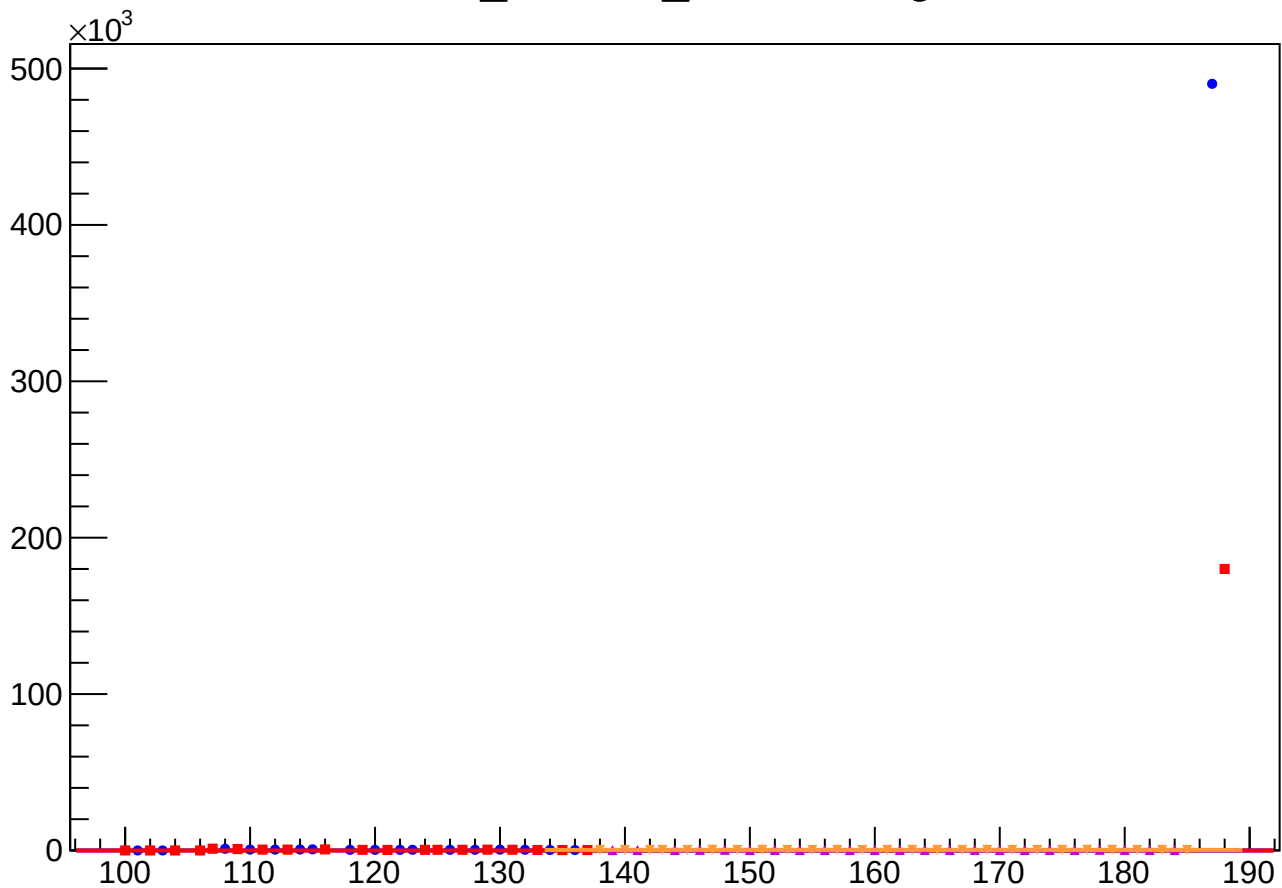
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 36.0/42

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 92.4/86

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 56.3/43

diff_cav4dY_rms vs Slug



Right In: 1.698 ± 0.001 χ^2/NDF : 11162410.2/17

Left Out: 325.469 ± 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.728 ± 0.001 χ^2/NDF : 12314517.4/19

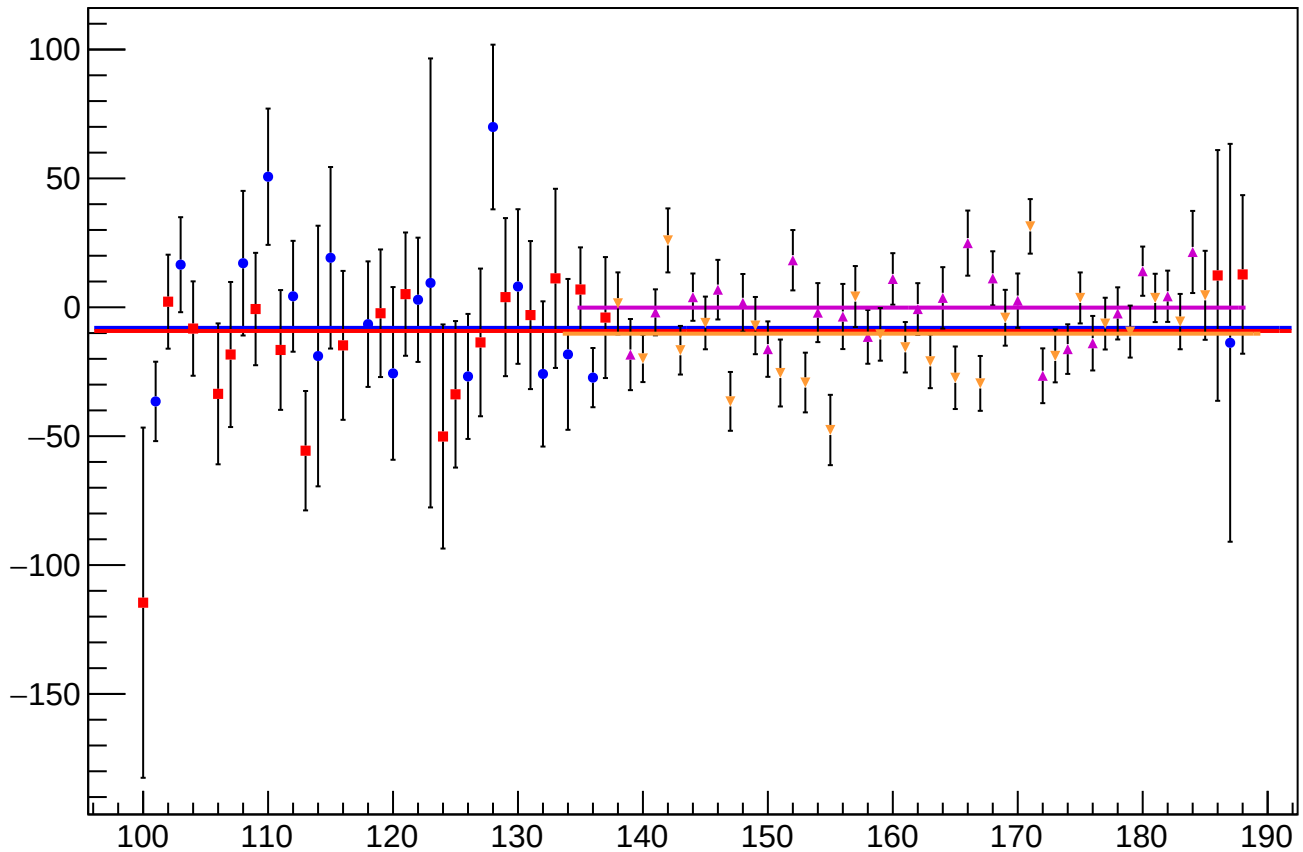
Left In: 325.201 ± 0.055 χ^2/NDF : 428069.7/22

+ sign 1.926 ± 0.001 χ^2/NDF : 47474787.3/42

All: 1.926 ± 0.001 χ^2/NDF : 94188381.2/85

- sign 1.926 ± 0.001 χ^2/NDF : 46713593.8/42

diff_bpm4aX_mean vs Slug



Right In: -7.983 ± 5.624 χ^2/NDF : 22.6/17

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -9.187 ± 5.561 χ^2/NDF : 12.4/20

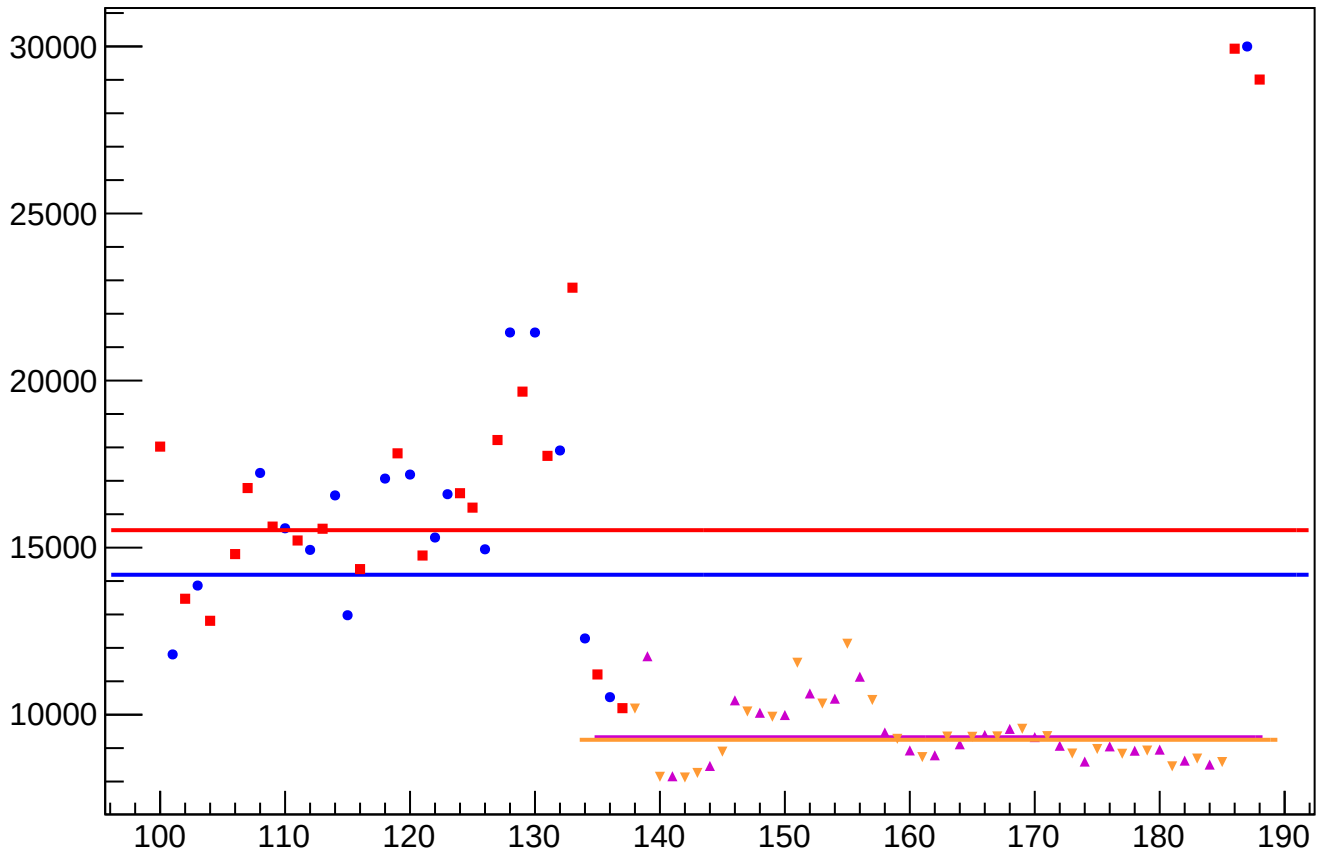
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -9.944 ± 2.022 χ^2/NDF : 80.7/42

All: -5.790 ± 1.450 χ^2/NDF : 133.9/86

- sign -1.397 ± 2.080 χ^2/NDF : 44.5/43

diff_bpm4aX_rms vs Slug



Right In: 14188.516 $\pm$ 3.977 χ^2 /NDF: 689233.2/17

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

Right Out: 15522.686 $\pm$ 3.932 χ^2 /NDF: 1058870.0/20

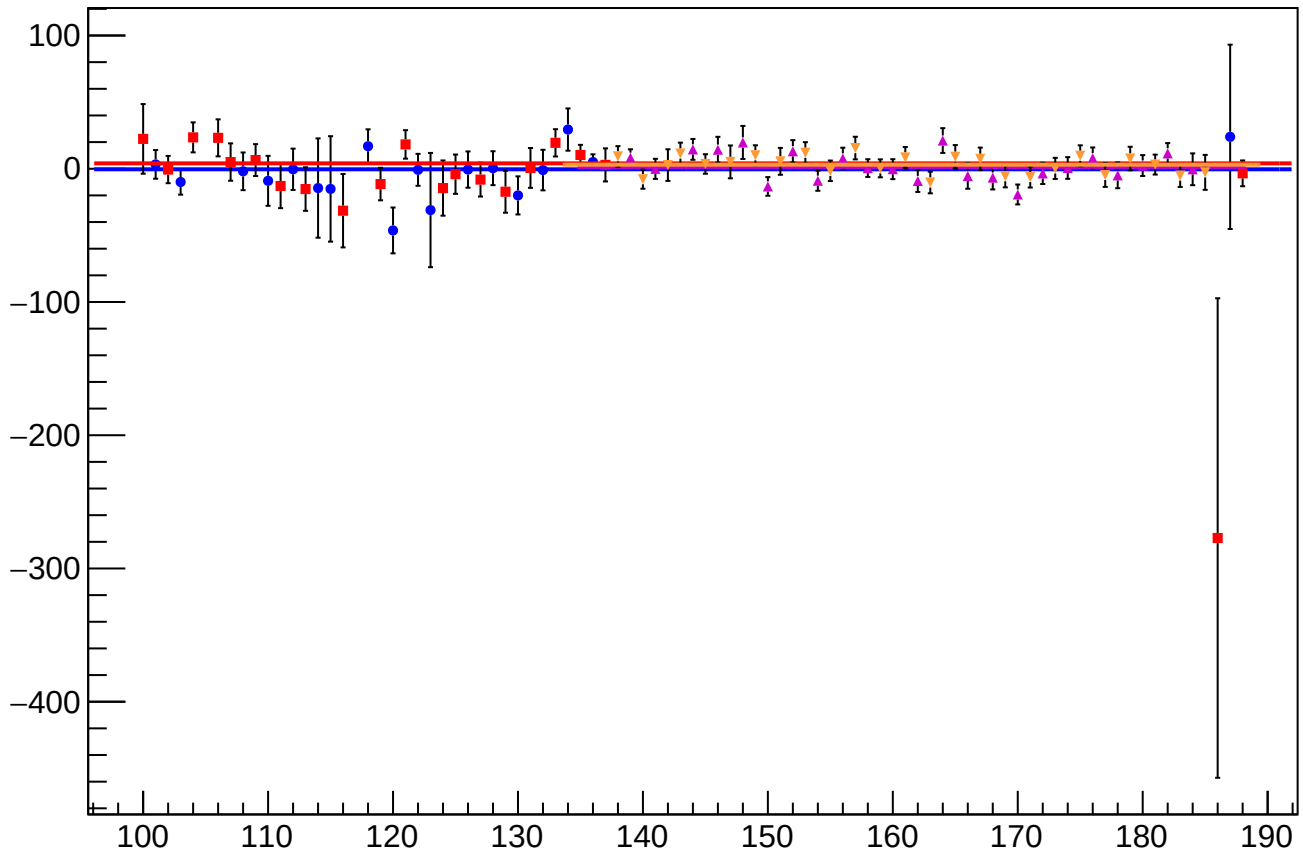
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 9887.736 $\pm$ 1.430 χ^2 /NDF: 2364576.9/42

All: 10035.521 $\pm$ 1.025 χ^2 /NDF: 5863323.7/8

- sign 10191.866 $\pm$ 1.470 χ^2 /NDF: 3476755.6/43

diff_bpm4aY_mean vs Slug



Right In: -0.407 ± 3.086 χ^2/NDF : 17.6/17

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 4.046 ± 2.818 χ^2/NDF : 23.0/20

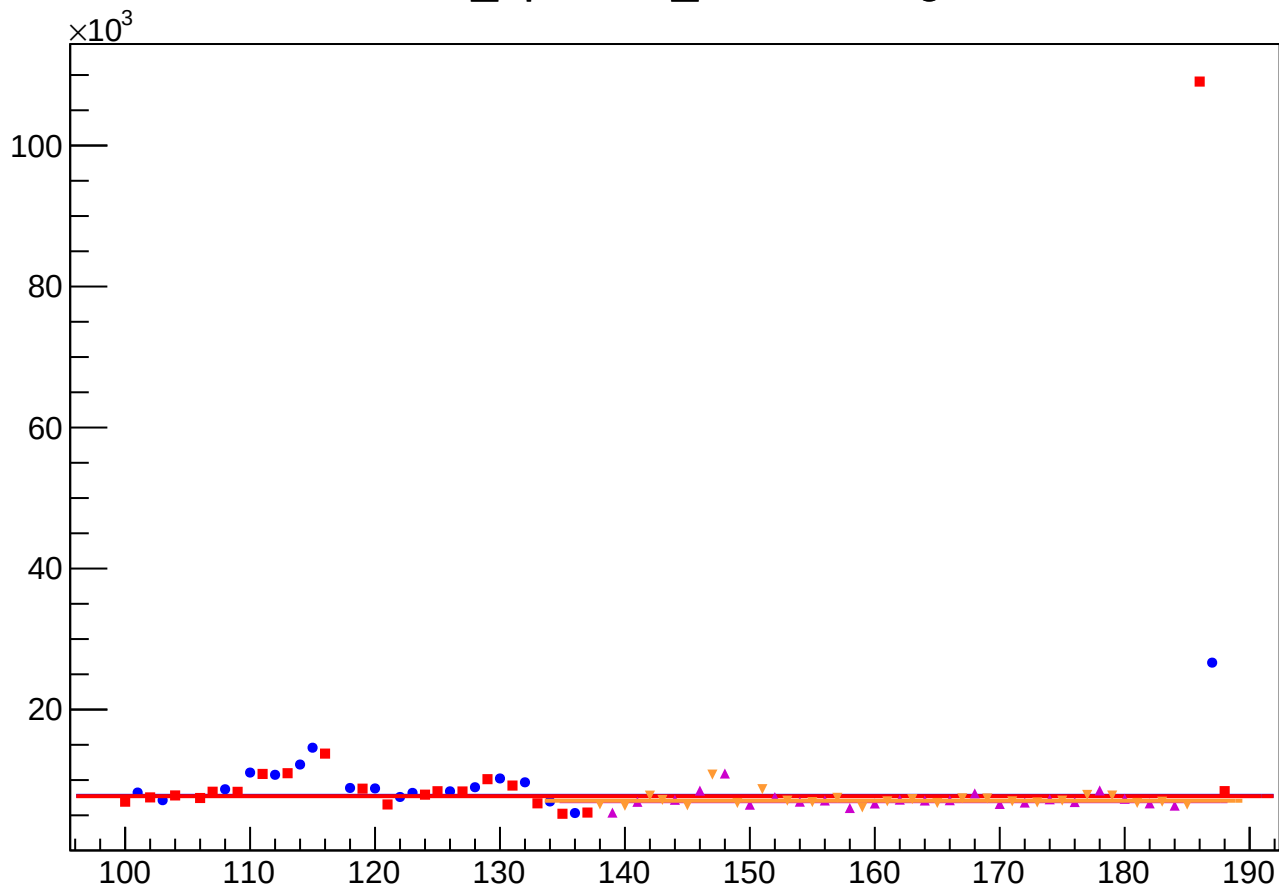
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.284 ± 1.461 χ^2/NDF : 36.8/42

All: 2.190 ± 1.030 χ^2/NDF : 95.9/86

- sign 2.098 ± 1.451 χ^2/NDF : 59.1/43

diff_bpm4aY_rms vs Slug



Right In: 7764.304 ± 2.182 $\chi^2/\text{NDF}: 892115.2/17$

Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$

Right Out: 7713.559 ± 1.993 $\chi^2/\text{NDF}: 1326605.3/20$

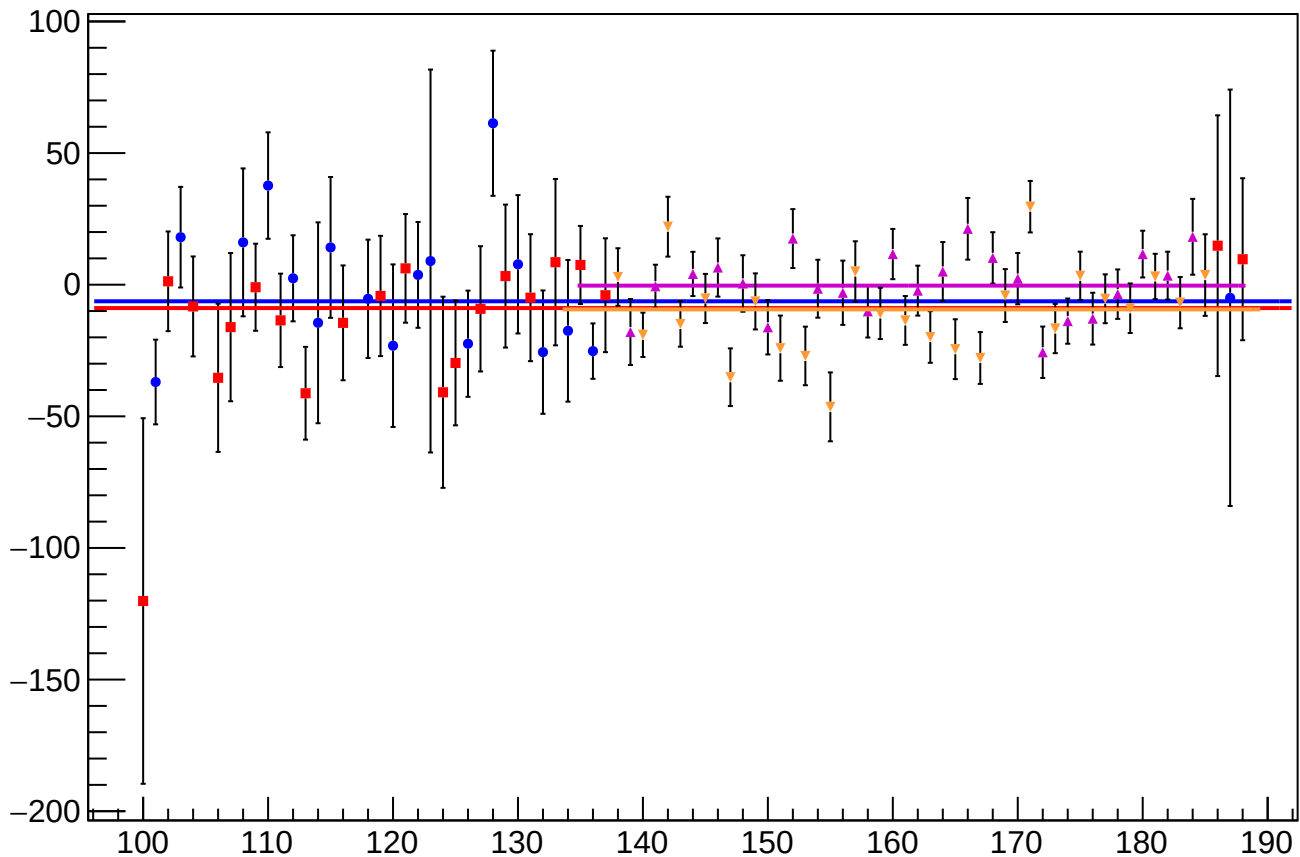
Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

+ sign 7223.163 ± 1.033 $\chi^2/\text{NDF}: 1358818.2/42$

All: 7206.306 ± 0.728 $\chi^2/\text{NDF}: 3330065.2/86$

- sign 7189.673 ± 1.026 $\chi^2/\text{NDF}: 1970718.1/43$

diff_bpm4eX_mean vs Slug



Right In: -6.297 ± 5.035 χ^2/NDF : 23.2/17

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -8.879 ± 4.923 χ^2/NDF : 12.1/20

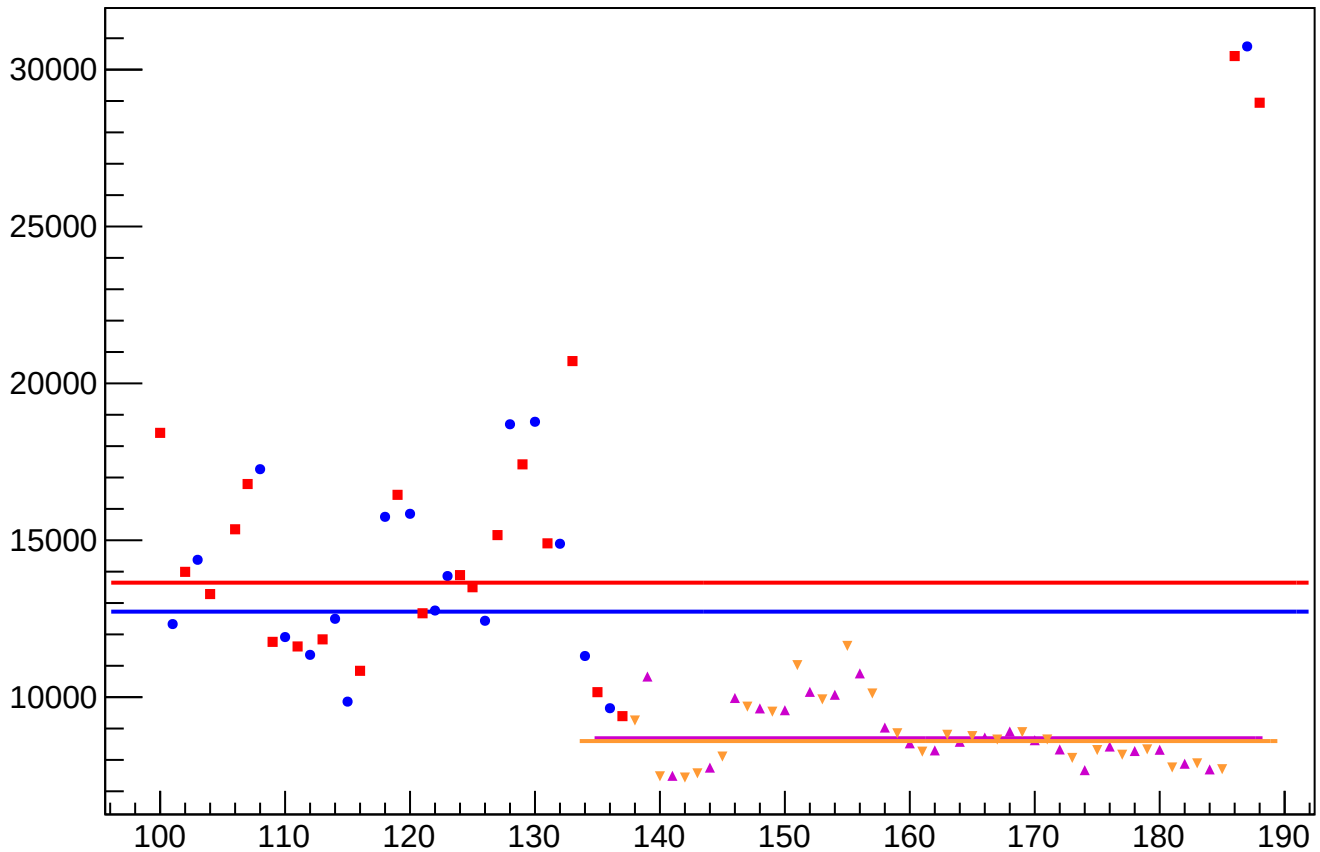
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -8.950 ± 1.873 χ^2/NDF : 81.9/42

All: -5.405 ± 1.343 χ^2/NDF : 133.5/86

- sign -1.658 ± 1.926 χ^2/NDF : 44.3/43

diff_bpm4eX_rms vs Slug



Right In: 12725.398+/-3.560 χ^2/NDF : 663524.5/17

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 13648.788+/-3.481 χ^2/NDF : 1248619.9/20

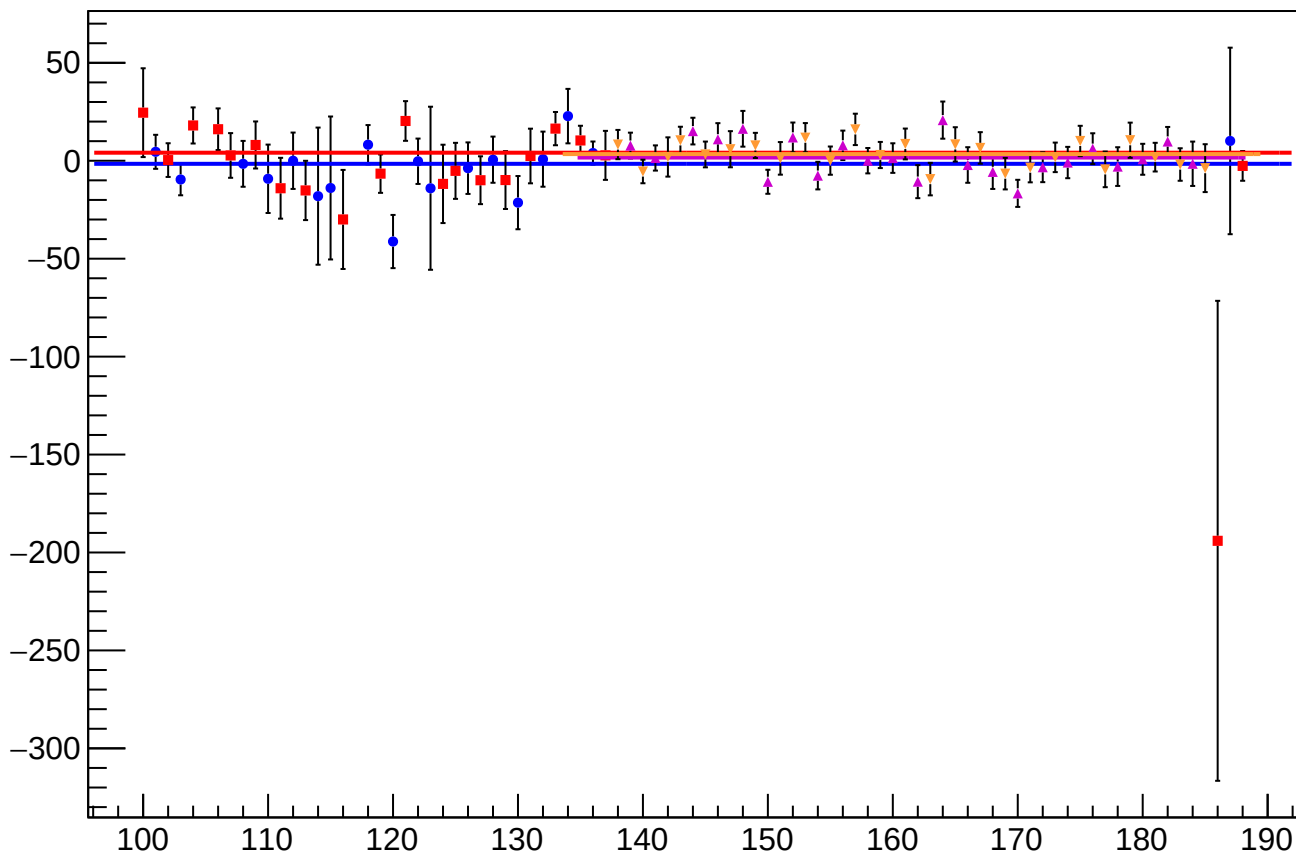
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 9171.251+/-1.324 χ^2/NDF : 2258376.8/42

All: 9306.149+/-0.949 χ^2/NDF : 5617639.5/80

- sign 9448.732+/-1.362 χ^2/NDF : 3337921.7/43

diff_bpm4eY_mean vs Slug



Right In: -1.563 ± 2.806 χ^2/NDF : 17.8/17

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 4.113 ± 2.499 χ^2/NDF : 22.7/20

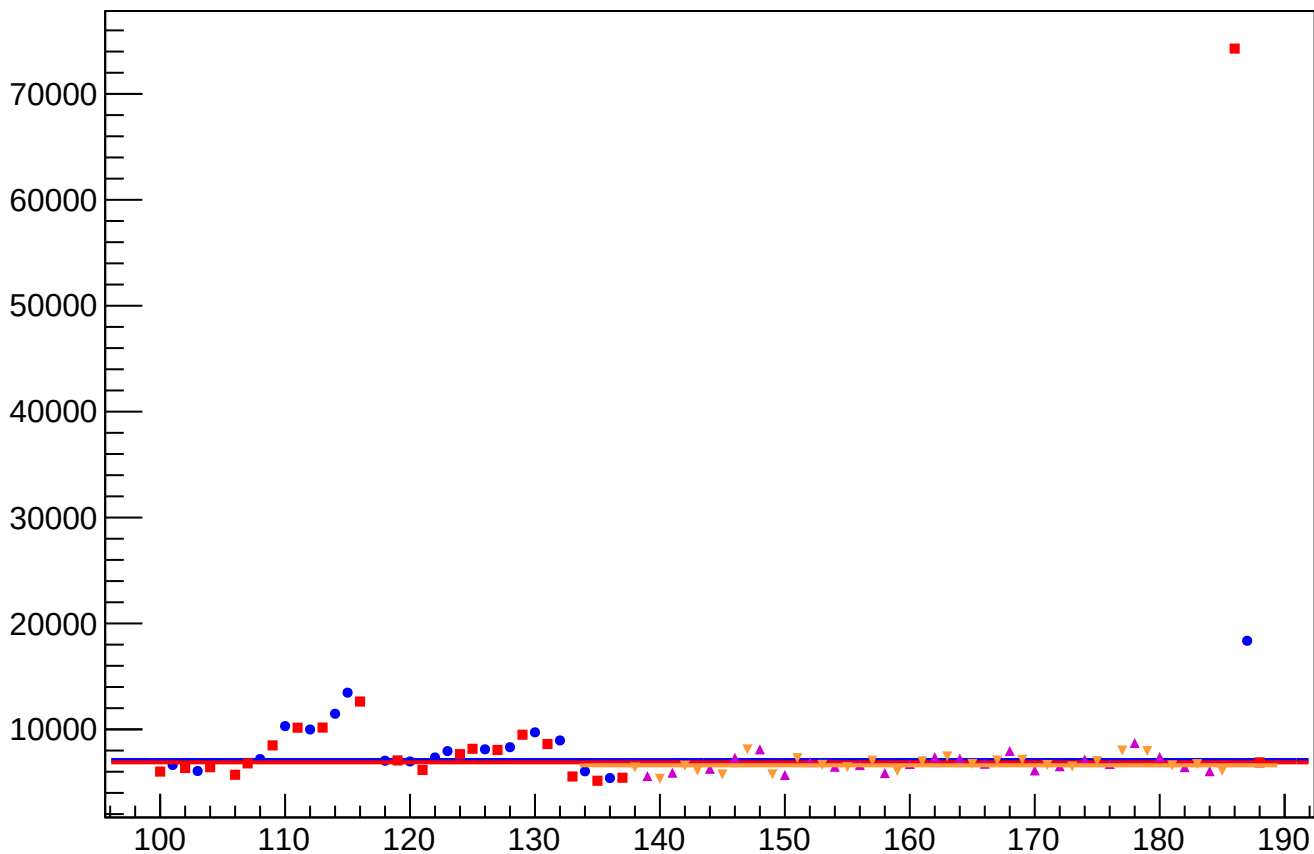
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.243 ± 1.357 χ^2/NDF : 37.1/42

All: 2.297 ± 0.956 χ^2/NDF : 94.0/86

- sign 2.349 ± 1.347 χ^2/NDF : 56.9/43

diff_bpm4eY_rms vs Slug



Right In: 7108.901 $\pm$ 1.984 χ^2 /NDF: 713855.3/17

Left Out: 6607.100 $\pm$ 1.096 χ^2 /NDF: 398416.1/24

Right Out: 6886.927 $\pm$ 1.767 χ^2 /NDF: 1291772.3/20

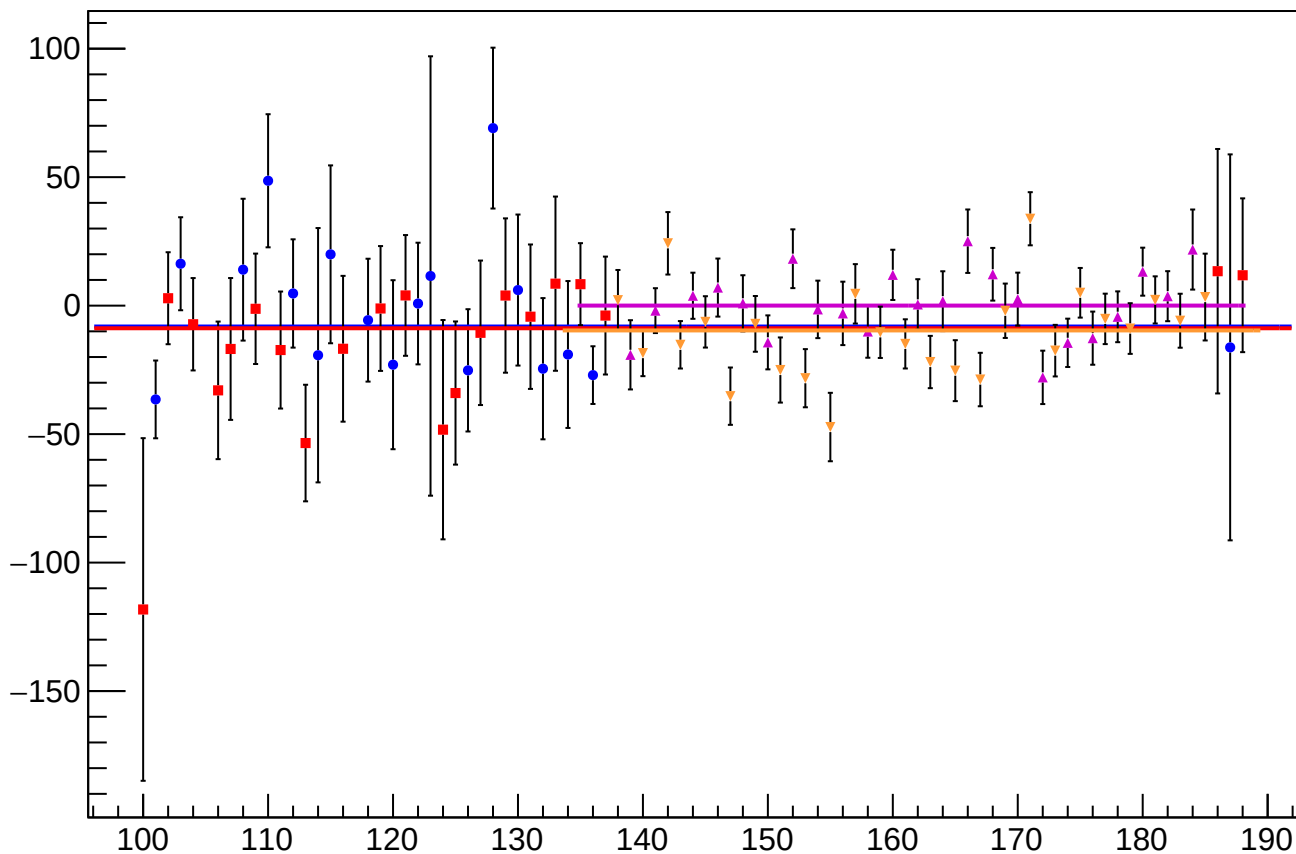
Left In: 6628.653 $\pm$ 1.131 χ^2 /NDF: 430282.2/22

+ sign 6724.472 $\pm$ 0.960 χ^2 /NDF: 1161274.0/42

All: 6714.002 $\pm$ 0.676 χ^2 /NDF: 2898721.8/86

- sign 6703.687 $\pm$ 0.952 χ^2 /NDF: 1737211.4/43

diff_bpm4acX_mean vs Slug



Right In: -8.128 ± 5.512 χ^2/NDF : 22.5/17

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -8.805 ± 5.450 χ^2/NDF : 12.7/20

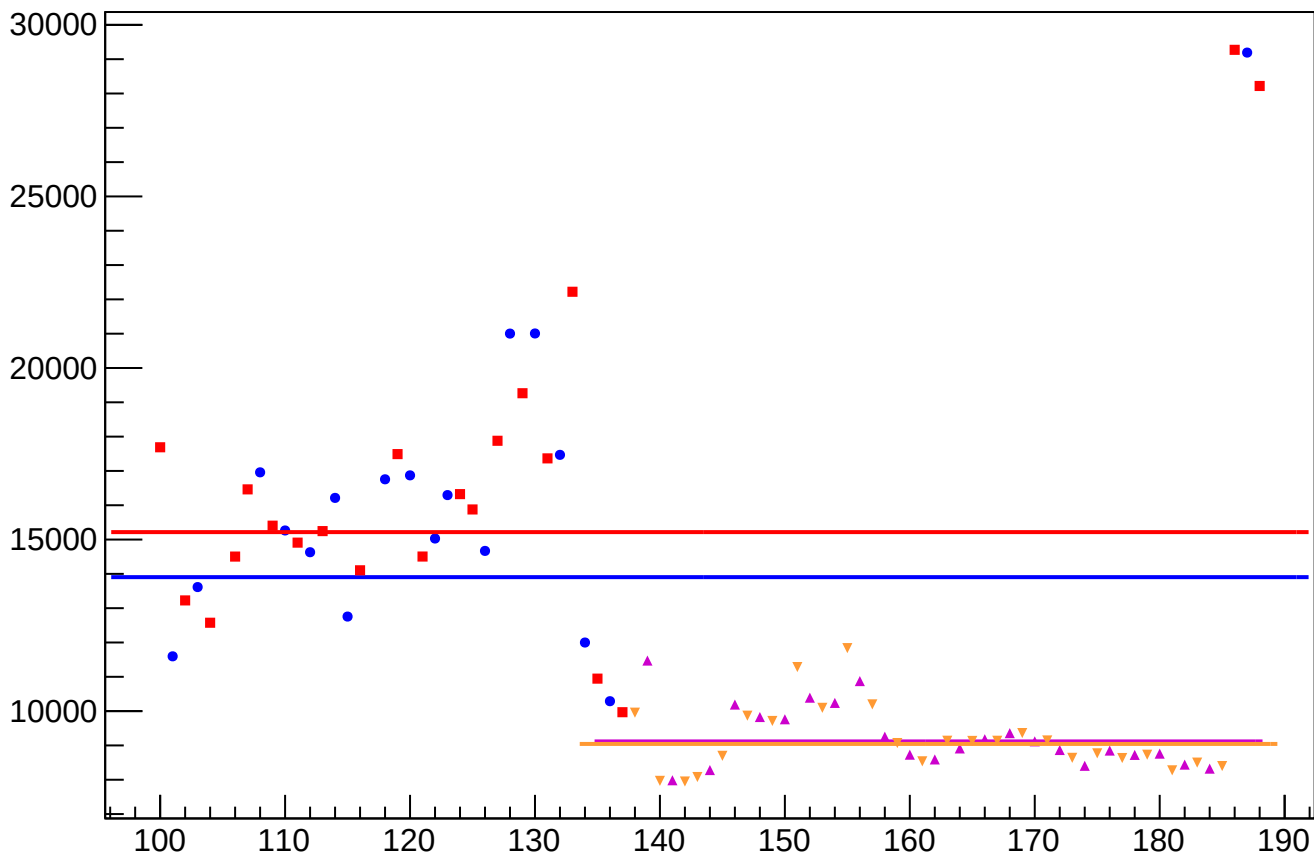
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.453 ± 1.977 χ^2/NDF : 82.3/42

All: -5.447 ± 1.418 χ^2/NDF : 136.3/86

- sign -1.209 ± 2.034 χ^2/NDF : 45.6/43

diff_bpm4acX_rms vs Slug



Right In: 13904.630 ± 3.897 χ^2/NDF : 691286.3/17

Left Out: 9043.485 ± 1.498 χ^2/NDF : 328192.2/24

Right Out: 15216.854 ± 3.854 χ^2/NDF : 1052920.6/20

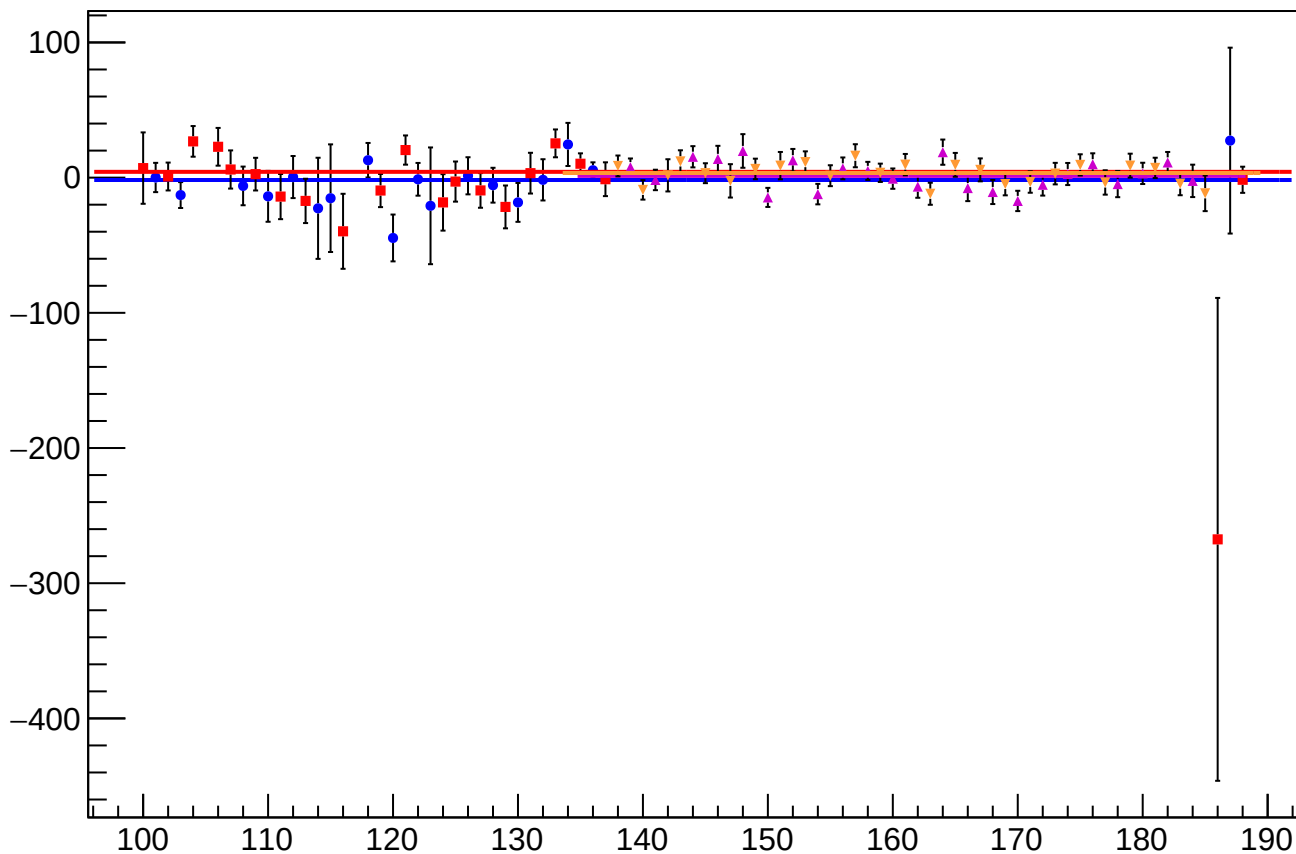
Left In: 9116.921 ± 1.550 χ^2/NDF : 277594.8/22

+ sign 9669.075 ± 1.398 χ^2/NDF : 2375018.8/42

All: 9813.494 ± 1.002 χ^2/NDF : 5884067.2/86

- sign 9966.275 ± 1.438 χ^2/NDF : 3487090.8/43

diff_bpm4acY_mean vs Slug



Right In: -1.746 ± 3.109 χ^2/NDF : 15.9/17

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 4.292 ± 2.837 χ^2/NDF : 27.7/20

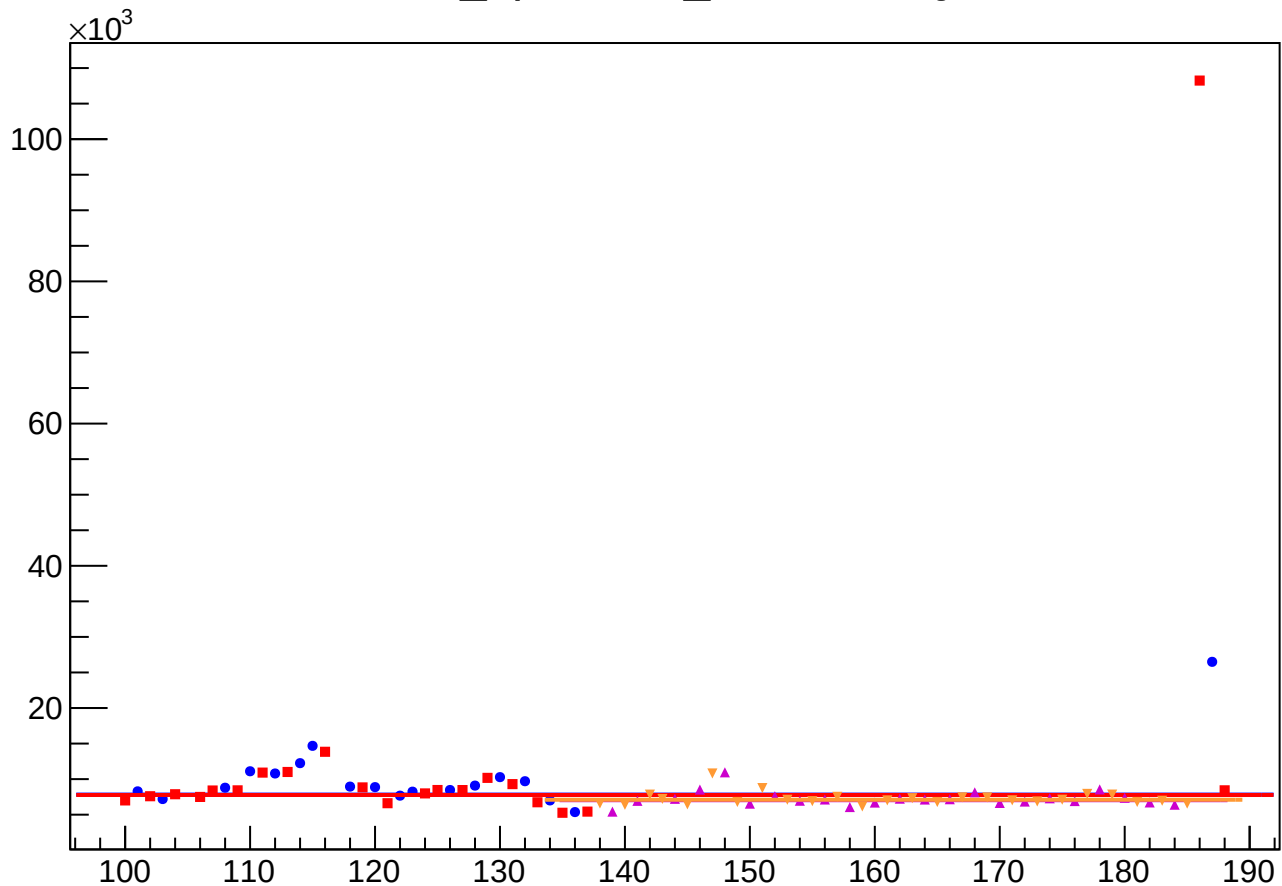
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.283 ± 1.469 χ^2/NDF : 37.0/42

All: 2.183 ± 1.035 χ^2/NDF : 102.0/86

- sign 2.084 ± 1.459 χ^2/NDF : 65.1/43

diff_bpm4acY_rms vs Slug



Right In: 7823.764 $\pm$ 2.198 χ^2/NDF : 885937.6/17

Left Out: 7098.726 $\pm$ 1.178 χ^2/NDF : 382550.4/24

Right Out: 7770.615 $\pm$ 2.006 χ^2/NDF : 1316721.8/20

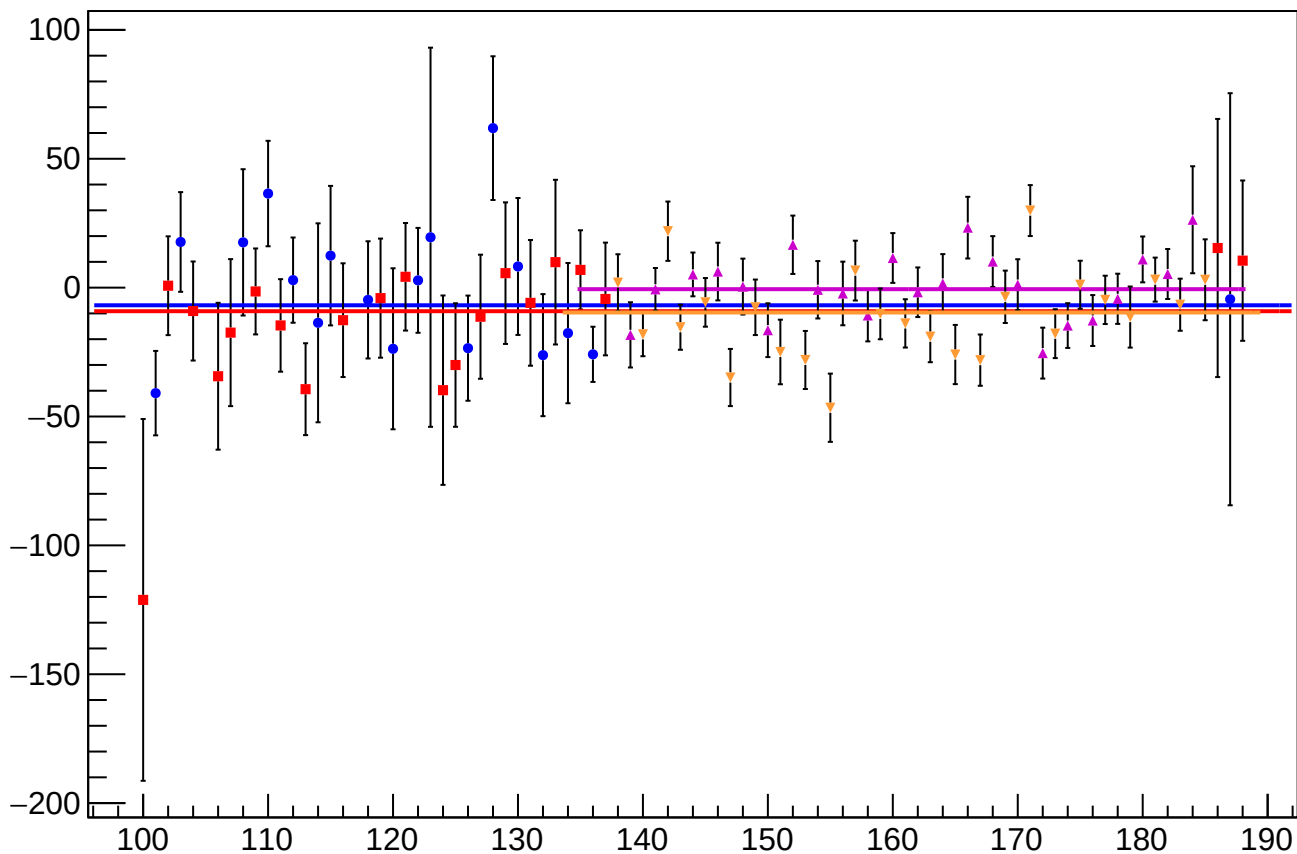
Left In: 7033.702 $\pm$ 1.203 χ^2/NDF : 541035.5/22

+ sign 7260.491 $\pm$ 1.038 χ^2/NDF : 1352992.0/42

All: 7244.389 $\pm$ 0.732 χ^2/NDF : 3310465.3/80

- sign 7228.498 $\pm$ 1.032 χ^2/NDF : 1956995.5/43

diff_bpm4ecX_mean vs Slug



Right In: -6.846 ± 5.103 χ^2/NDF : 23.8/17

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -9.145 ± 4.993 χ^2/NDF : 11.2/20

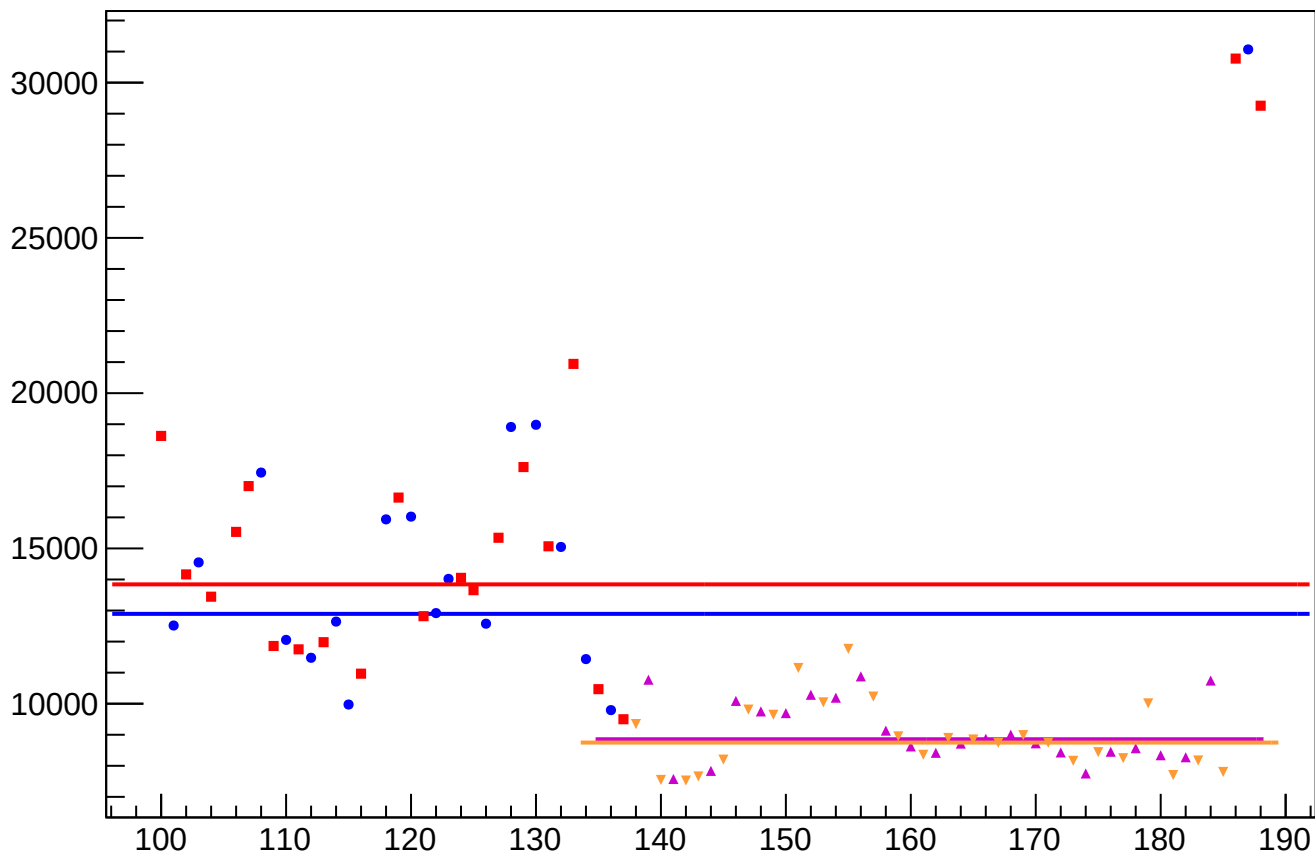
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.250 ± 1.908 χ^2/NDF : 81.7/42

All: -5.689 ± 1.368 χ^2/NDF : 132.2/86

- sign -1.920 ± 1.963 χ^2/NDF : 43.4/43

diff_bpm4ecX_rms vs Slug



Right In: 12892.964 $\pm$ 3.608 χ^2 /NDF: 656880.8/17

Left Out: 8748.407 $\pm$ 1.455 χ^2 /NDF:463394.1/24

Right Out: 13842.906 $\pm$ 3.530 χ^2 /NDF: 1232506.3/20

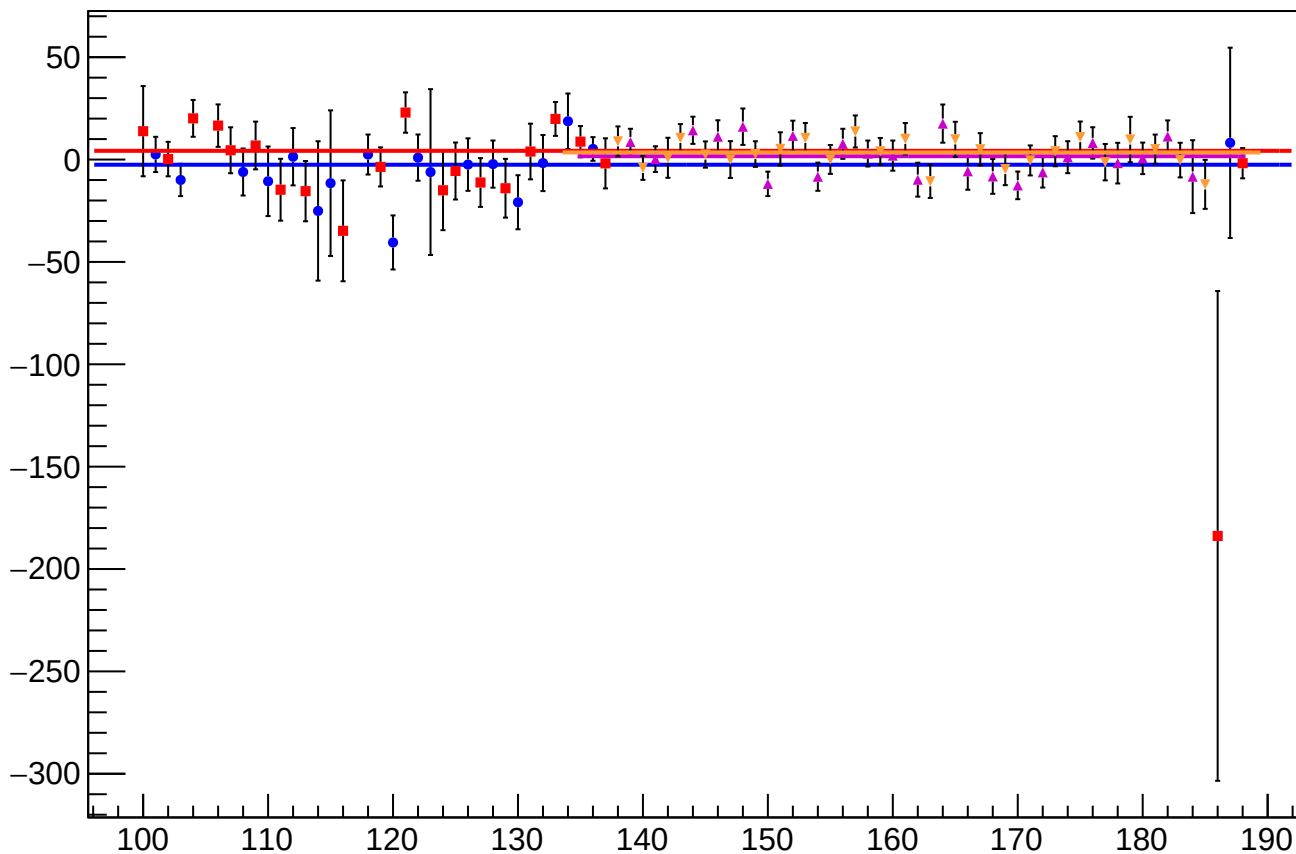
Left In: 8855.591 $\pm$ 1.510 χ^2 /NDF:367542.7/22

+ sign 9327.929 $\pm$ 1.349 χ^2 /NDF: 2255283.2/42

All: 9473.018 $\pm$ 0.967 χ^2 /NDF: 5566267.9/80

- sign 9626.602 $\pm$ 1.388 χ^2 /NDF: 3287178.2/43

diff_bpm4ecY_mean vs Slug



Right In: -2.528 ± 2.747 χ^2/NDF : 17.0/17

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 4.265 ± 2.448 χ^2/NDF : 27.2/20

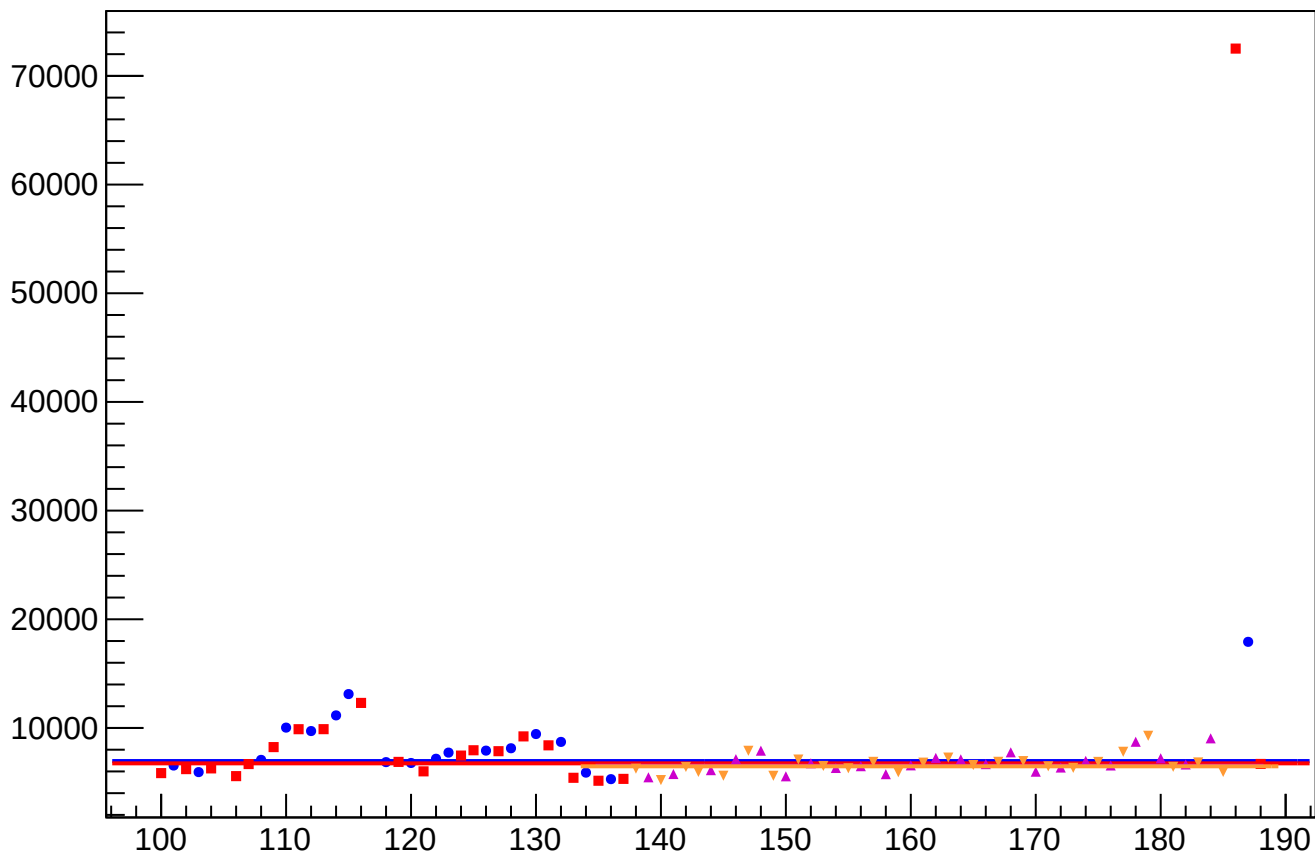
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.061 ± 1.333 χ^2/NDF : 36.4/42

All: 2.236 ± 0.940 χ^2/NDF : 98.2/86

- sign 2.409 ± 1.326 χ^2/NDF : 61.8/43

diff_bpm4ecY_rms vs Slug



Right In: 6956.069+/-1.942 χ^2/NDF : 699779.8/17

Left Out: 6471.976+/-1.078 χ^2/NDF : 490282.9/24

Right Out: 6743.656+/-1.731 χ^2/NDF : 1262871.5/20

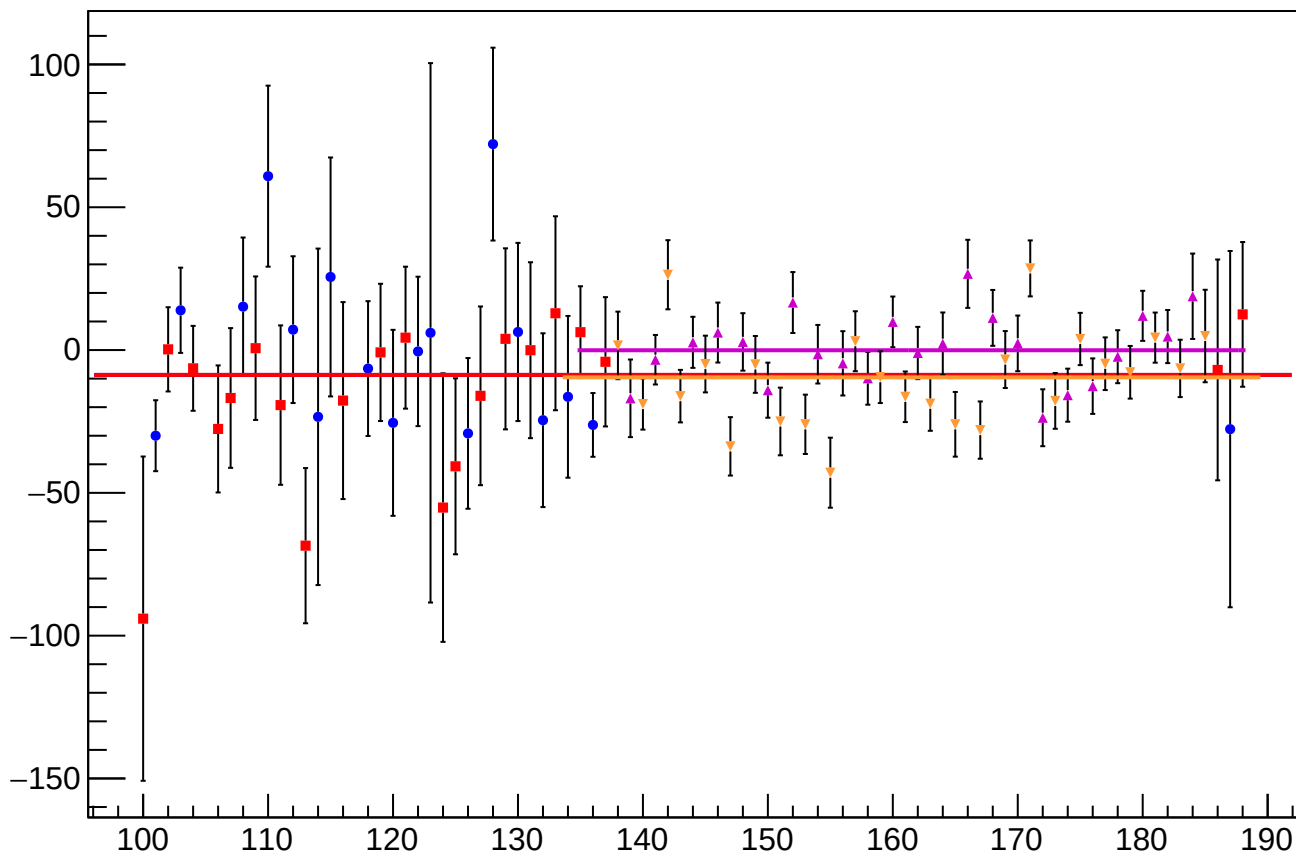
Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22

+ sign 6585.937+/-0.942 χ^2/NDF : 1237549.7/42

All: 6586.501+/-0.665 χ^2/NDF : 2992046.6/86

- sign 6587.058+/-0.938 χ^2/NDF : 1754496.2/43

diff_bpm1X_mean vs Slug



Right In: -8.714 ± 5.398 χ^2/NDF : 22.0/17

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -8.701 ± 5.343 χ^2/NDF : 13.4/20

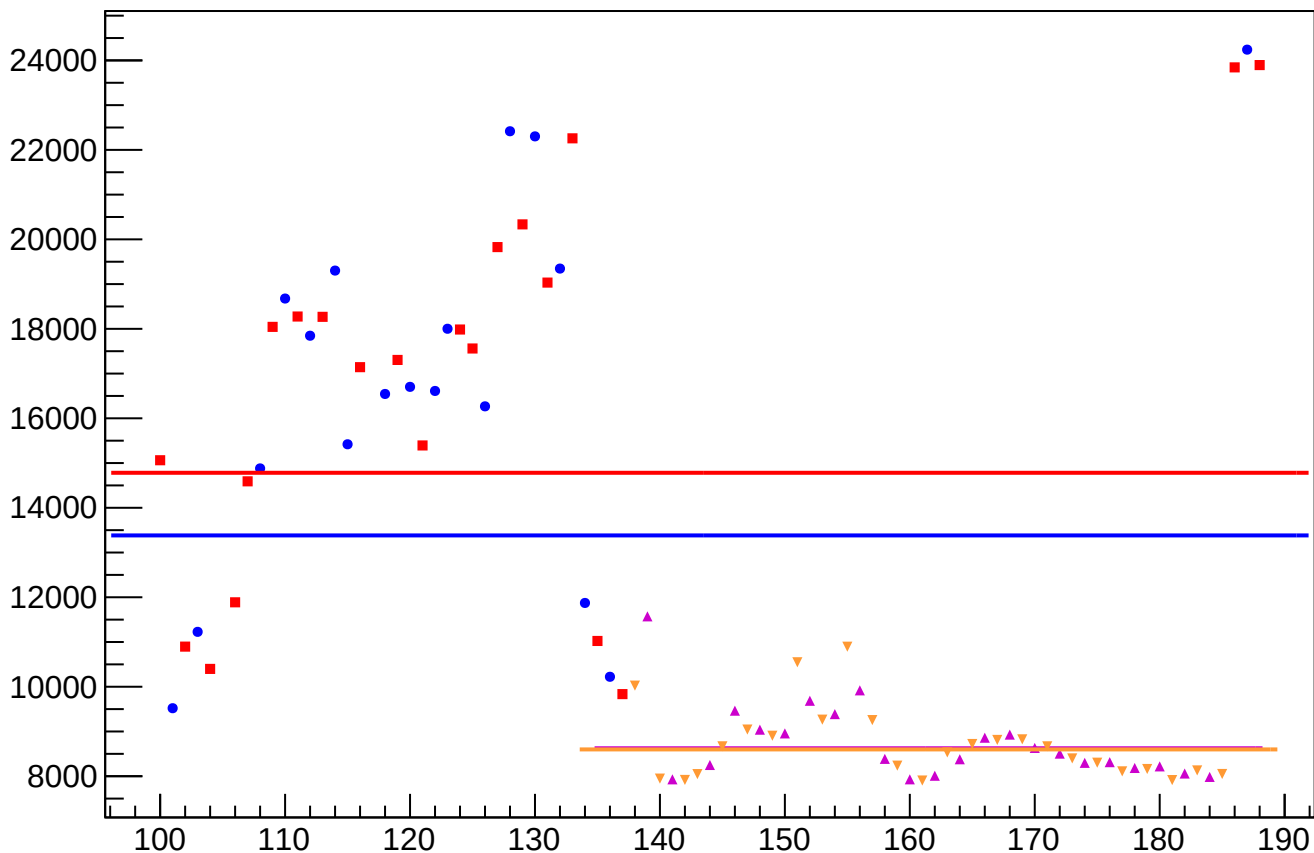
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.452 ± 1.885 χ^2/NDF : 81.6/42

All: -5.428 ± 1.349 χ^2/NDF : 136.4/86

- sign -1.201 ± 1.932 χ^2/NDF : 45.5/43

diff_bpm1X_rms vs Slug



Right In: 13382.362 $\pm$ 3.817 χ^2 /NDF: 1109938.3/17

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF: 249070.5/24

+ sign 9182.277 $\pm$ 1.333 χ^2 /NDF: 2737804.5/42

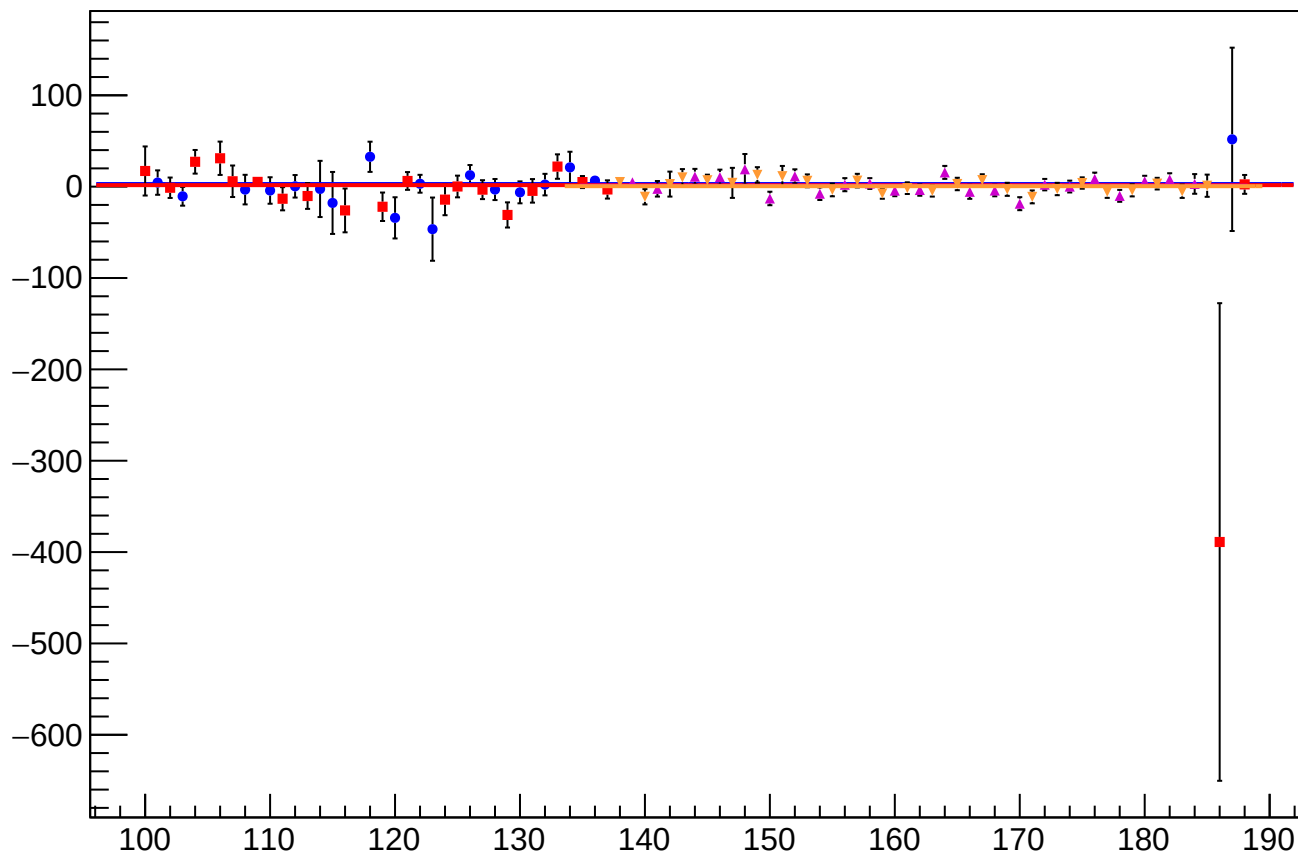
Right Out: 14782.376 $\pm$ 3.778 χ^2 /NDF: 1324935.1/20

All: 9303.430 $\pm$ 0.954 χ^2 /NDF: 6625812.2/86

Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF: 237310.9/22

- sign 9430.736 $\pm$ 1.366 χ^2 /NDF: 3871066.6/43

diff_bpm1Y_mean vs Slug



Right In: 2.857 $\pm$ 2.761 χ^2 /NDF: 14.2/17

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 1.655 $\pm$ 2.381 χ^2 /NDF: 25.5/20

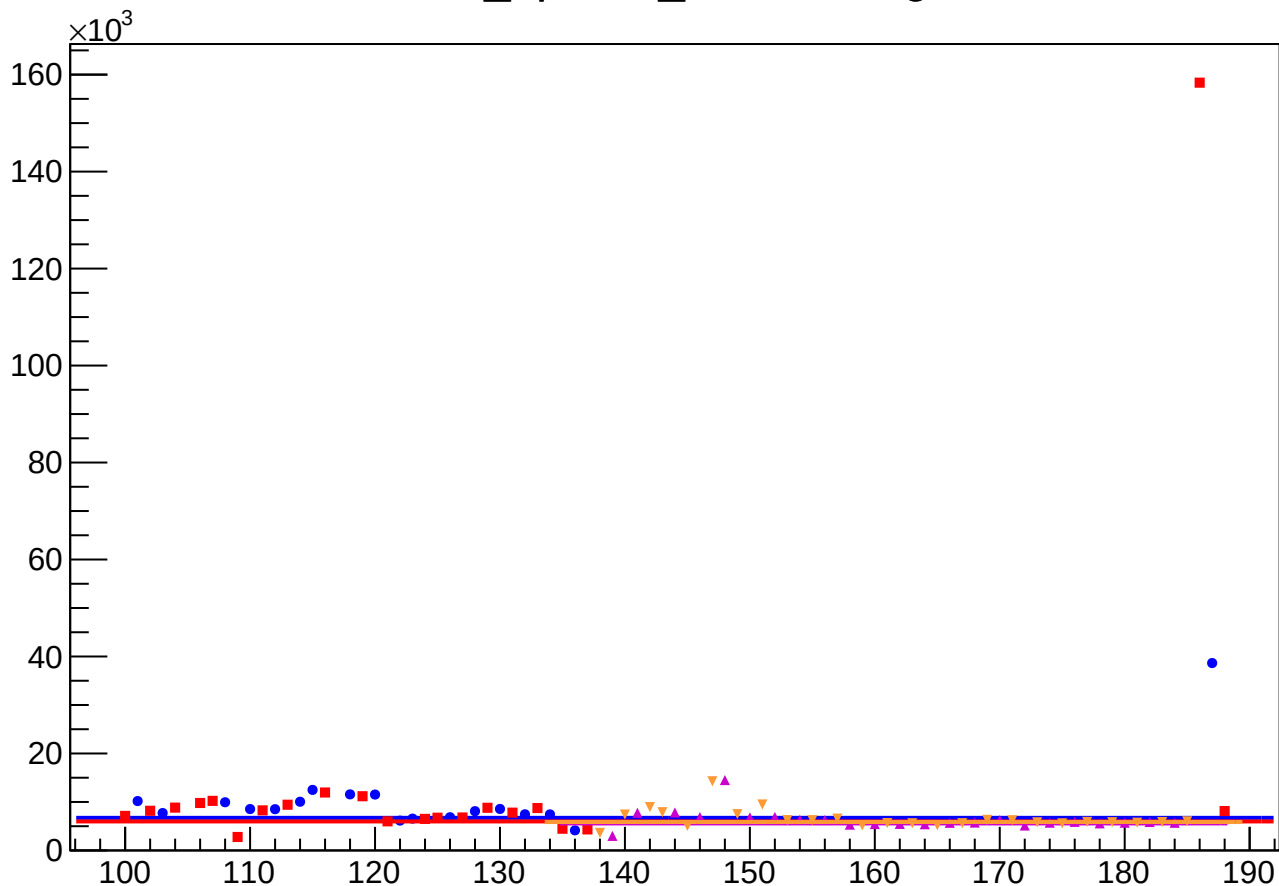
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 1.014 $\pm$ 1.261 χ^2 /NDF: 34.2/42

All: 1.113 $\pm$ 0.871 χ^2 /NDF: 92.3/86

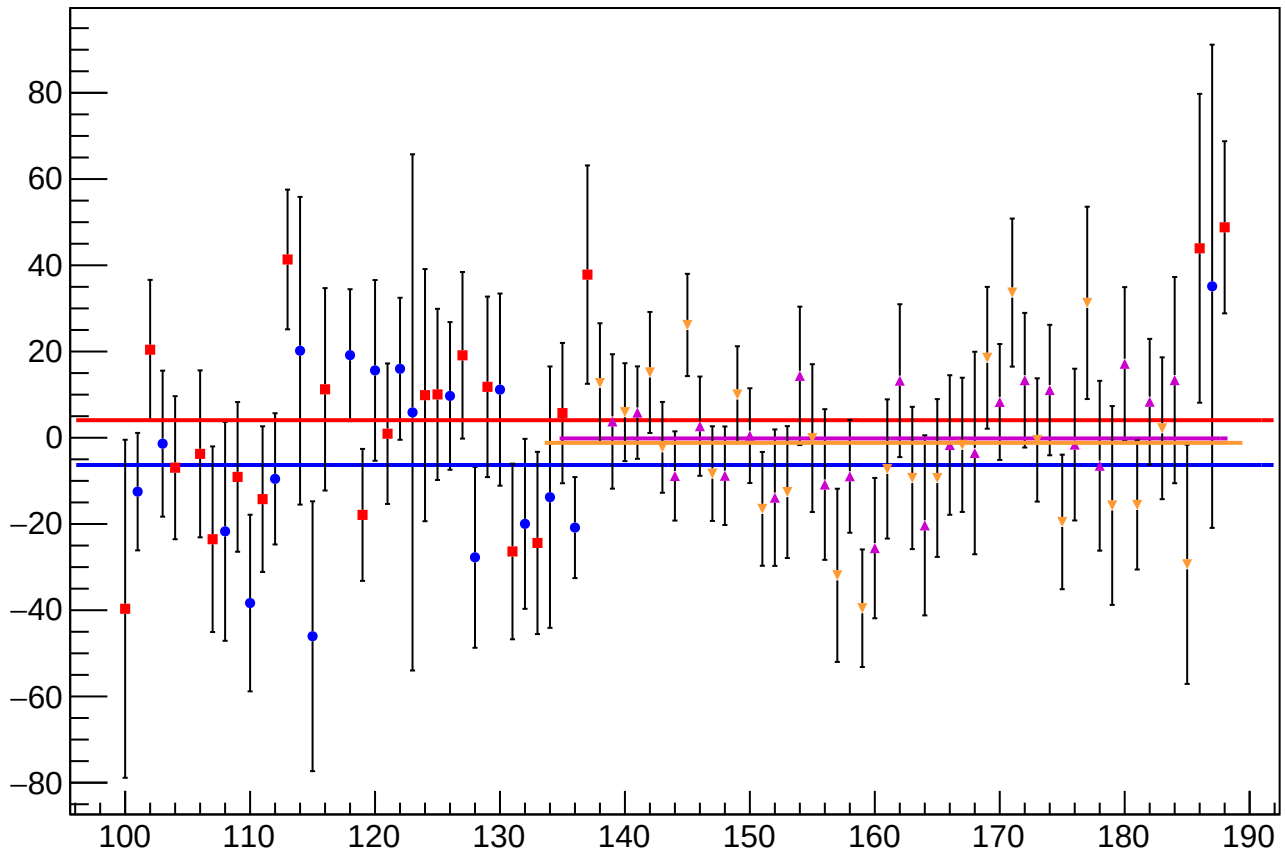
- sign 1.204 $\pm$ 1.204 χ^2 /NDF: 58.1/43

diff_bpm1Y_rms vs Slug



Right In: 6726.971 ± 1.953 $\chi^2/\text{NDF}: 1592114.3/17$ + sign 6041.306 ± 0.892 $\chi^2/\text{NDF}: 3437964.7/42$
 Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$ All: 5850.461 ± 0.616 $\chi^2/\text{NDF}: 8786565.2/86$
 Right Out: 5982.770 ± 1.684 $\chi^2/\text{NDF}: 3053825.9/20$ - sign 5676.515 ± 0.851 $\chi^2/\text{NDF}: 5261057.2/43$
 Left In: 5571.330 ± 0.987 $\chi^2/\text{NDF}: 2162788.3/22$

diff_bpm11X_mean vs Slug



Right In: -6.318 ± 4.544 χ^2/NDF : 16.2/17

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 4.073 ± 4.250 χ^2/NDF : 26.7/20

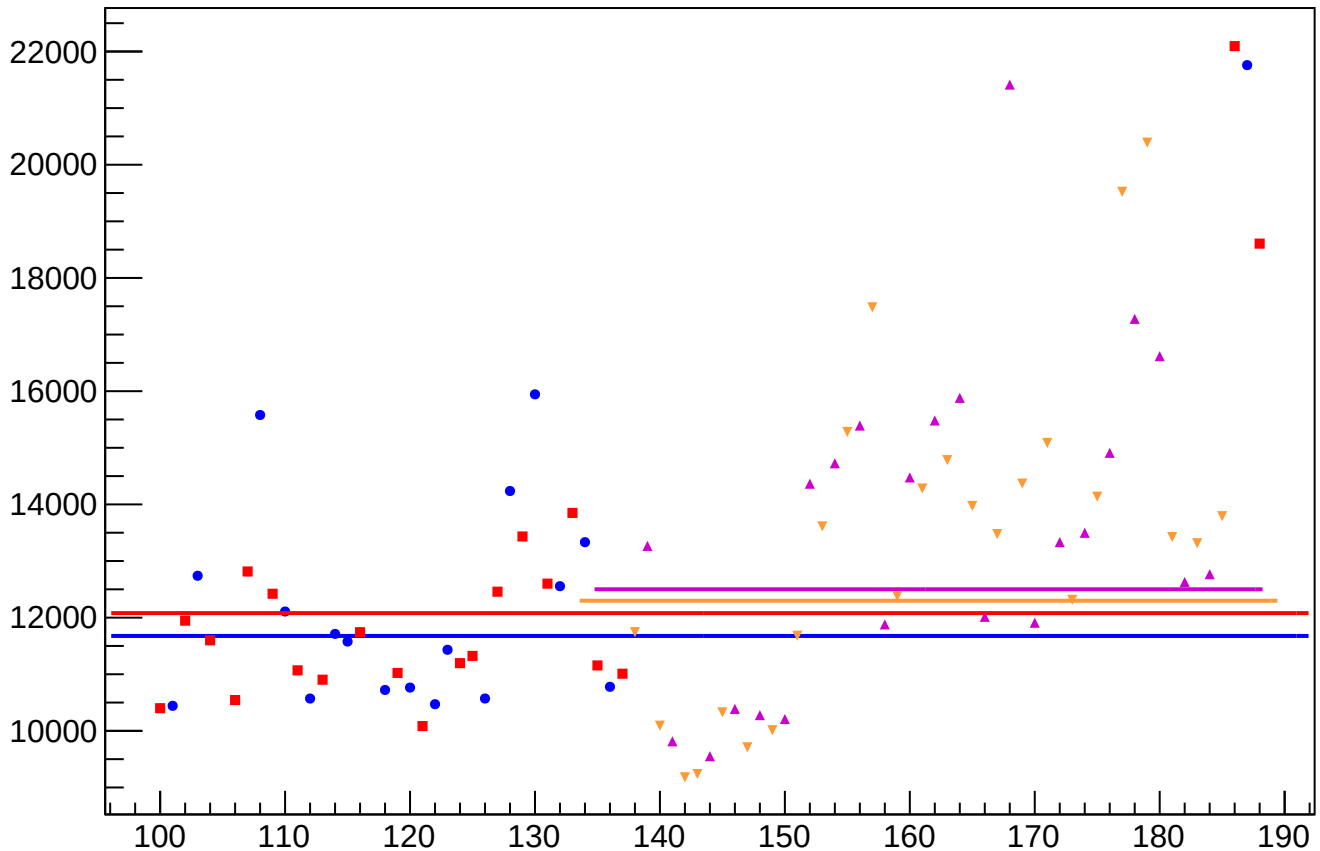
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.697 ± 2.468 χ^2/NDF : 50.8/42

All: -0.717 ± 1.750 χ^2/NDF : 91.0/86

- sign 1.286 ± 2.482 χ^2/NDF : 38.9/43

diff_bpm11X_rms vs Slug



Right In: 11676.594 $\pm$ 3.213 χ^2 /NDF: 303322.5/17

Left Out: 12298.676 $\pm$ 2.078 χ^2 /NDF:1506026.8/24

Right Out: 12080.074 $\pm$ 3.005 χ^2 /NDF: 488250.5/20

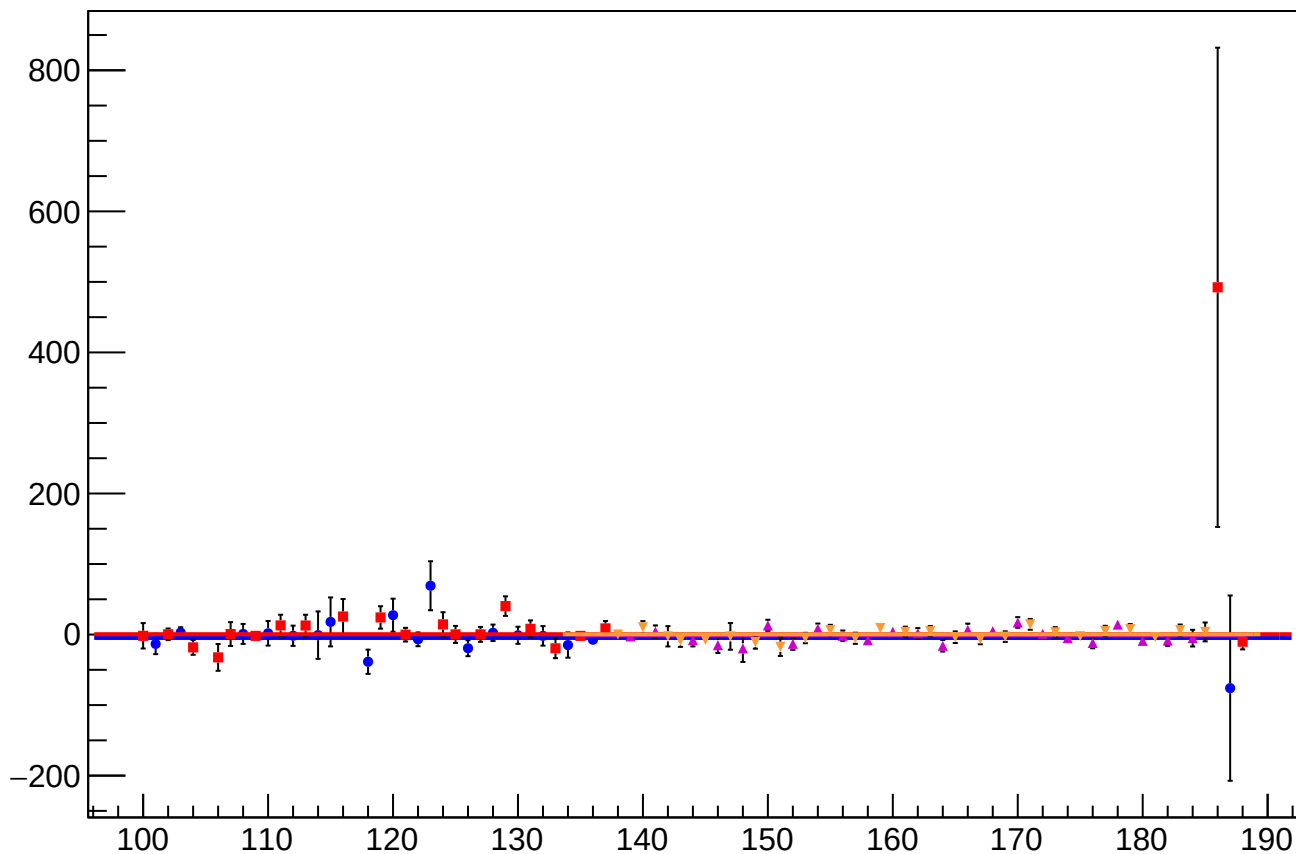
Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF:1357889.1/22

+ sign 12115.226 $\pm$ 1.745 χ^2 /NDF: 1835776.0/42

All: 12235.547 $\pm$ 1.237 χ^2 /NDF: 3704393.2/8

- sign 12357.287 $\pm$ 1.755 χ^2 /NDF: 1859052.2/43

diff_bpm11Y_mean vs Slug



Right In: -4.808 ± 2.787 χ^2/NDF : 15.6/17

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 0.523 ± 2.375 χ^2/NDF : 26.1/20

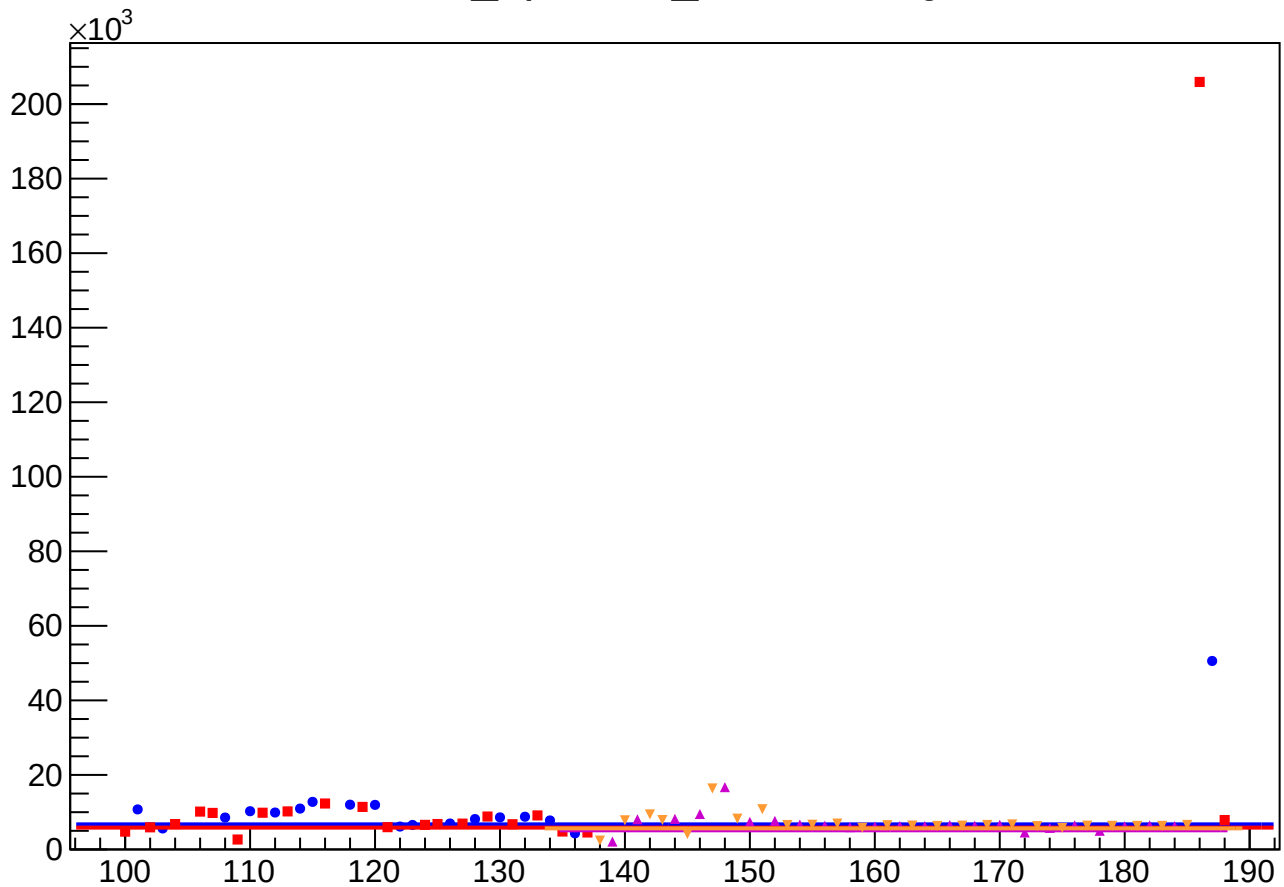
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign -0.727 ± 1.275 χ^2/NDF : 37.4/42

All: -0.735 ± 0.869 χ^2/NDF : 97.5/86

- sign -0.743 ± 1.188 χ^2/NDF : 60.1/43

diff_bpm11Y_rms vs Slug



Right In: 6731.523 ± 1.971 $\chi^2/\text{NDF}: 1669210.4/17$

Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$

Right Out: 5861.366 ± 1.679 $\chi^2/\text{NDF}: 2935016.9/20$

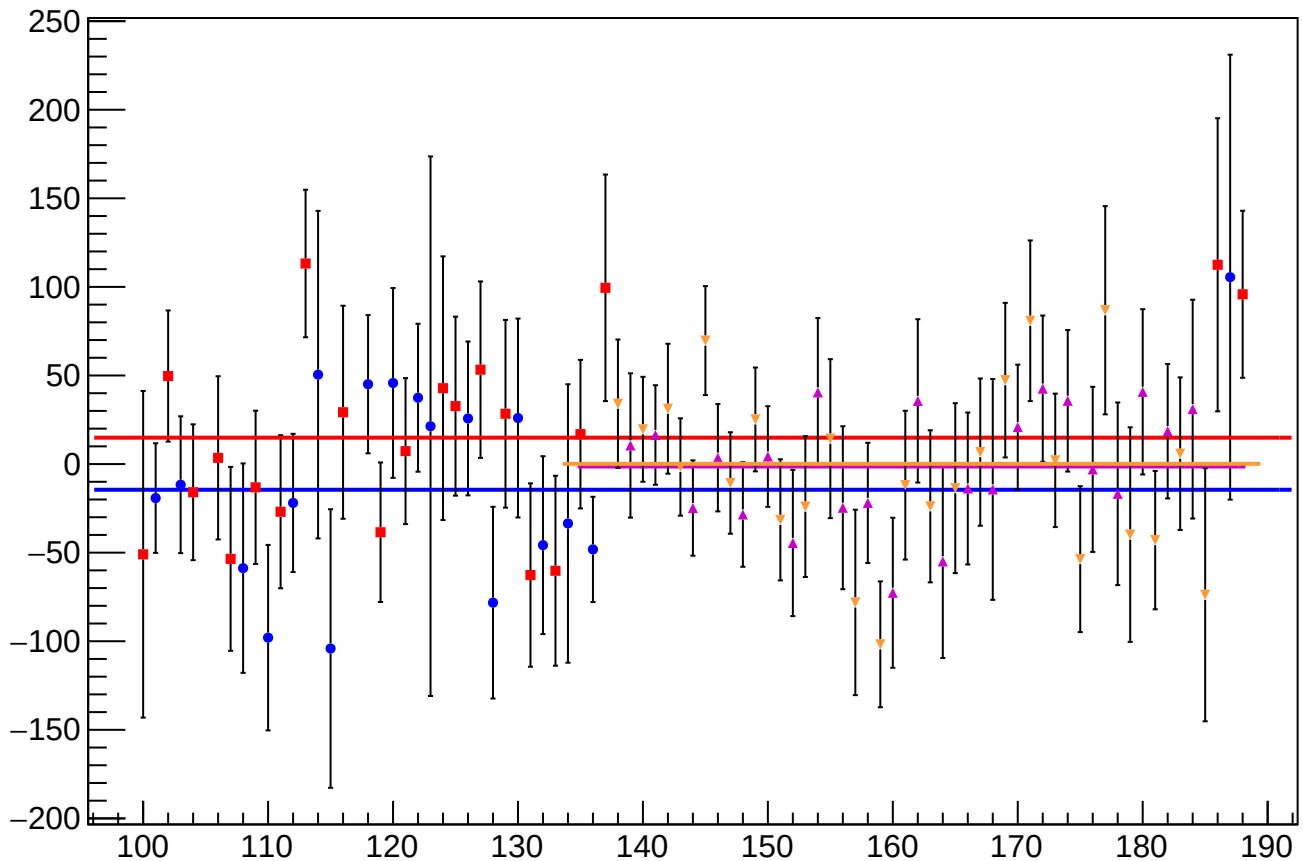
Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

+ sign 5883.743 ± 0.901 $\chi^2/\text{NDF}: 6031869.0/42$

All: 5581.278 ± 0.614 $\chi^2/\text{NDF}: 14812102.9/8$

- sign 5318.720 ± 0.840 $\chi^2/\text{NDF}: 8569865.1/43$

diff_bpm12X_mean vs Slug



Right In: -14.499 ± 11.272 χ^2/NDF : 15.6/17

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 14.900 ± 10.546 χ^2/NDF : 23.9/20

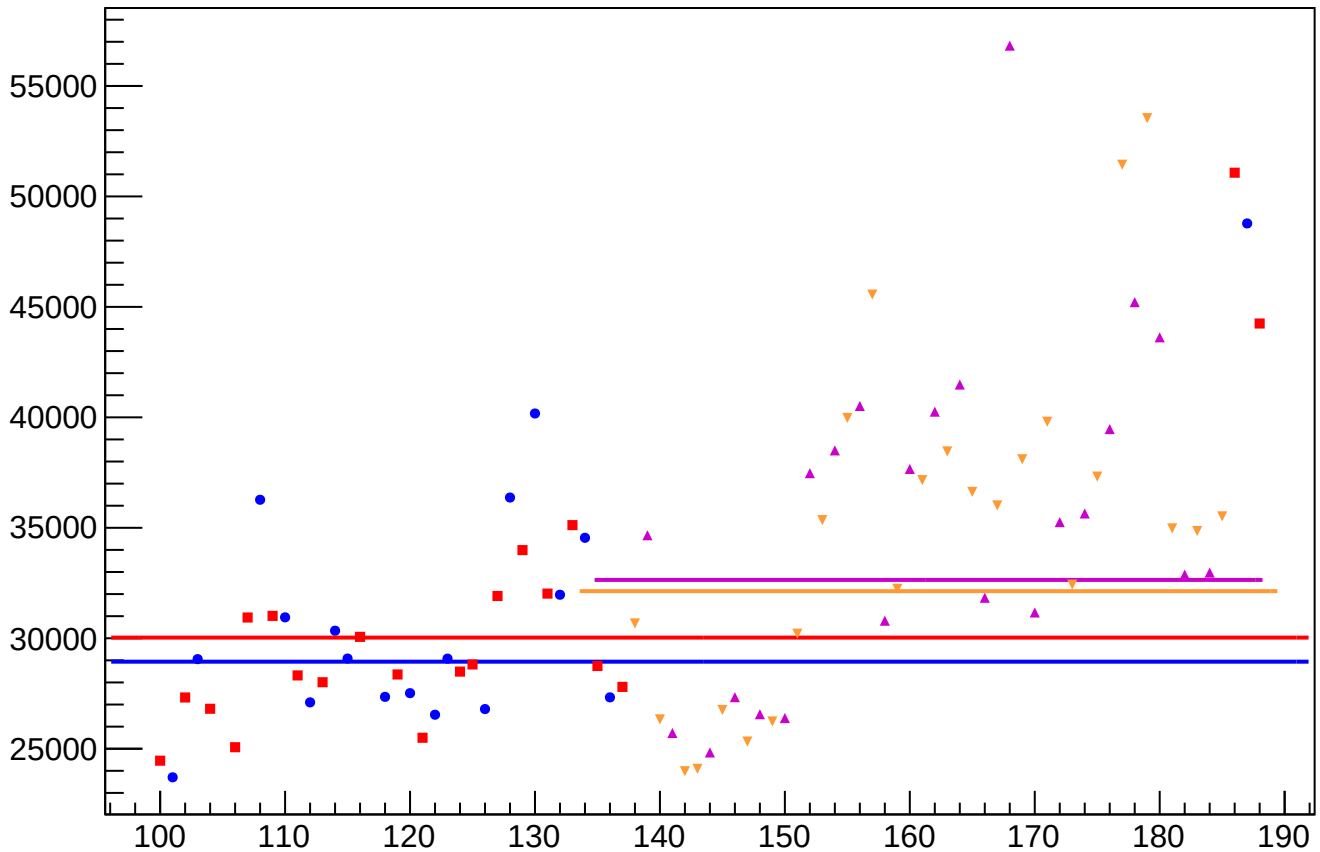
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -4.502 ± 6.349 χ^2/NDF : 48.0/42

All: 0.015 ± 4.496 χ^2/NDF : 87.7/86

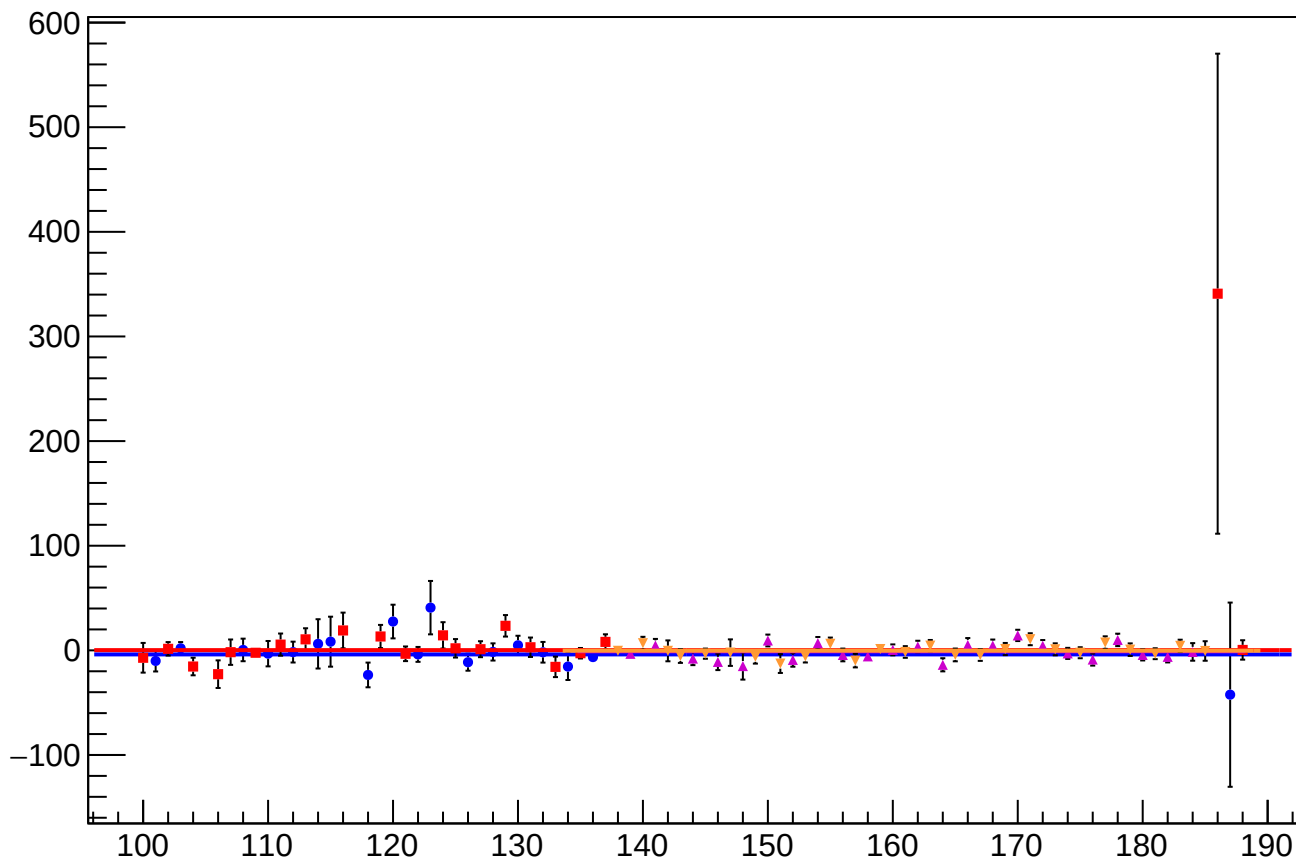
- sign 4.561 ± 6.369 χ^2/NDF : 38.7/43

diff_bpm12X_rms vs Slug



Right In: 28940.354 $\pm$ 7.970	χ^2 /NDF: 303289.6/17	+ sign 31119.698 $\pm$ 4.489	χ^2 /NDF: 1952875.6/42
Left Out: 32132.314 $\pm$ 5.433	χ^2 /NDF: 1540079.4/24	All: 31403.476 $\pm$ 3.179	χ^2 /NDF: 3886257.0/8
Right Out: 30030.493 $\pm$ 7.457	χ^2 /NDF: 445336.3/20	- sign 31689.052 $\pm$ 4.503	χ^2 /NDF: 1925364.1/43
Left In: 32641.162 $\pm$ 5.650	χ^2 /NDF: 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: -3.881 ± 2.013 χ^2/NDF : 15.1/17

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 0.216 ± 1.858 χ^2/NDF : 24.1/20

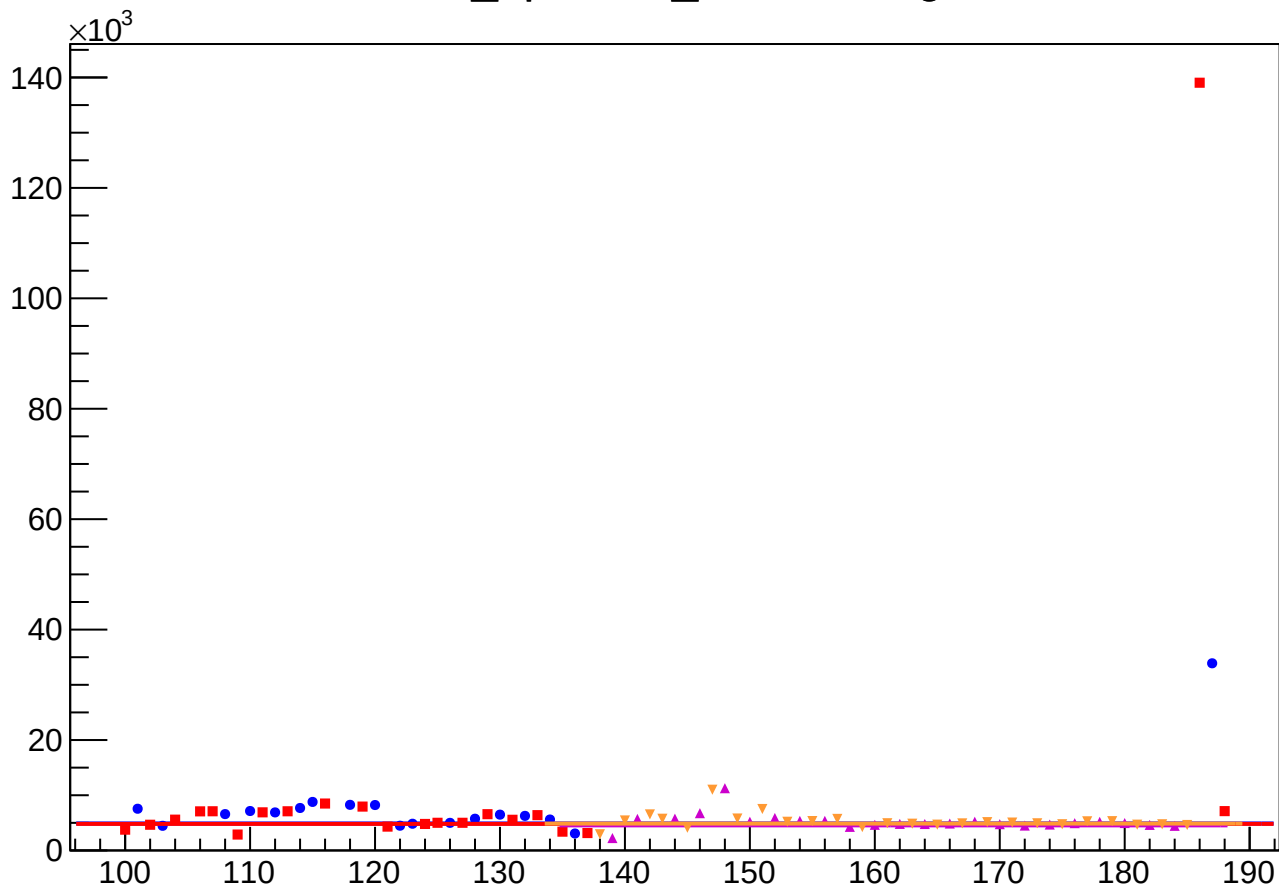
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -1.215 ± 1.013 χ^2/NDF : 35.1/42

All: -0.895 ± 0.702 χ^2/NDF : 95.8/86

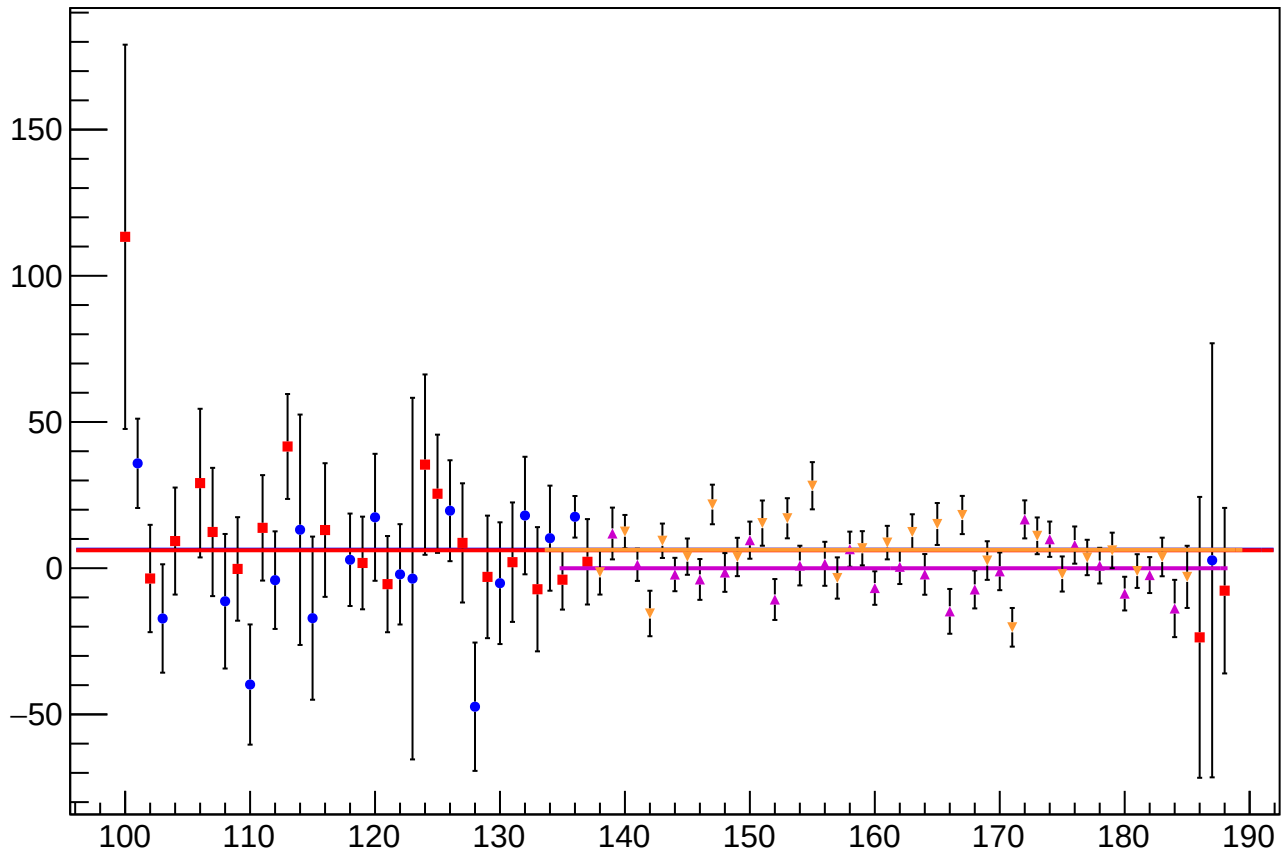
- sign -0.599 ± 0.973 χ^2/NDF : 60.5/43

diff_bpm12Y_rms vs Slug



Right In: 4887.520 ± 1.424 $\chi^2/\text{NDF}: 1621900.7/17$ + sign 4873.362 ± 0.716 $\chi^2/\text{NDF}: 3133184.1/42$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 4740.135 ± 0.496 $\chi^2/\text{NDF}: 7995134.4/86$
 Right Out: 4809.789 ± 1.314 $\chi^2/\text{NDF}: 2131437.2/20$ - sign 4617.128 ± 0.688 $\chi^2/\text{NDF}: 4795374.4/43$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 6.337 $\pm$ 4.082 χ^2/NDF : 22.4/17

Left Out: 6.296 $\pm$ 1.310 χ^2/NDF : 56.5/24

Right Out: 6.128 $\pm$ 4.170 χ^2/NDF : 12.9/20

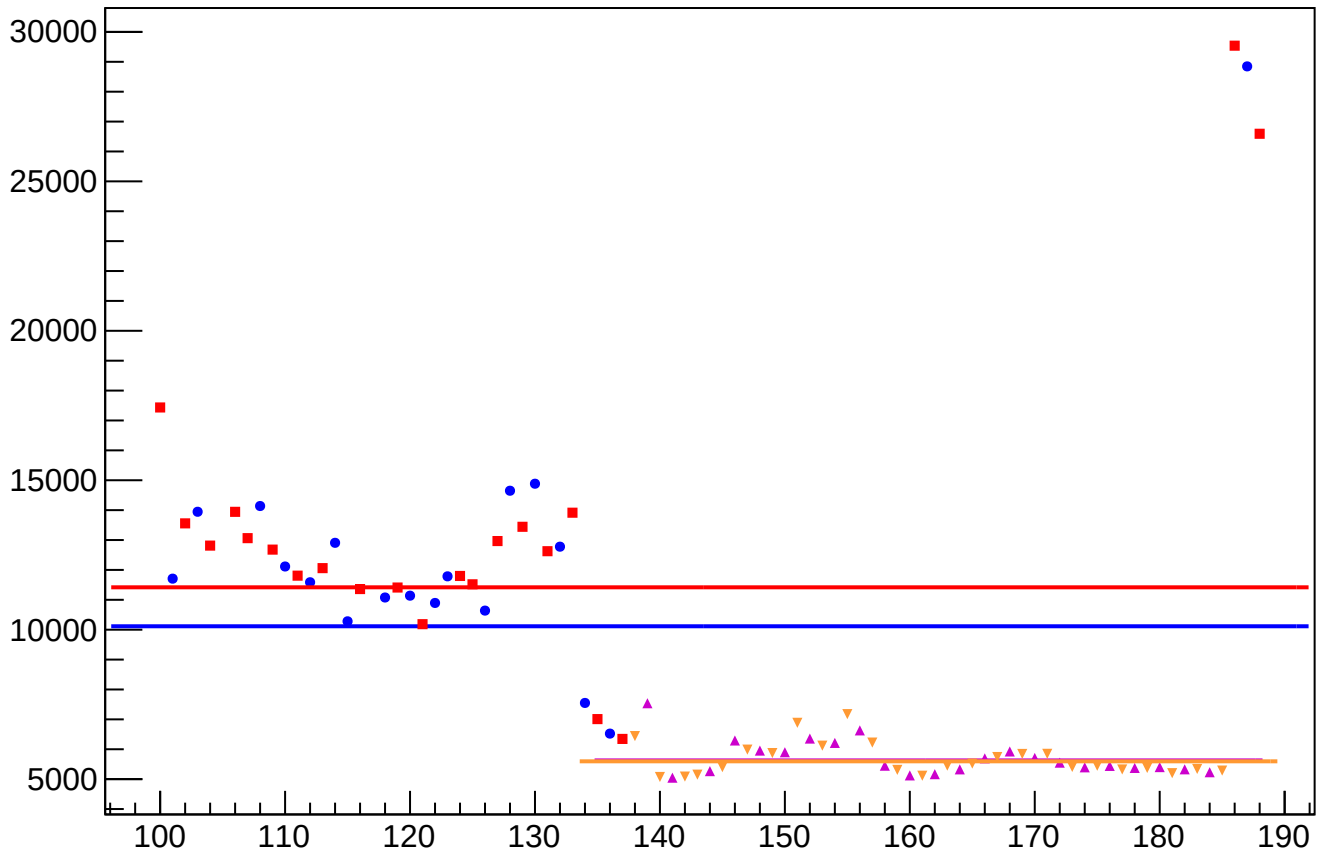
Left In: -0.020 $\pm$ 1.353 χ^2/NDF : 29.9/22

+ sign 6.300 $\pm$ 1.248 χ^2/NDF : 79.0/42

All: 3.522 $\pm$ 0.896 χ^2/NDF : 134.0/86

- sign 0.565 $\pm$ 1.287 χ^2/NDF : 44.8/43

diff_bpm16X_rms vs Slug



Right In: 10114.570 $\pm$ 2.887 χ^2 /NDF: 1135419.7/17

Left Out: 5596.370 $\pm$ 0.926 χ^2 /NDF:283998.1/24

Right Out: 11417.938 $\pm$ 2.949 χ^2 /NDF: 1649239.1/20

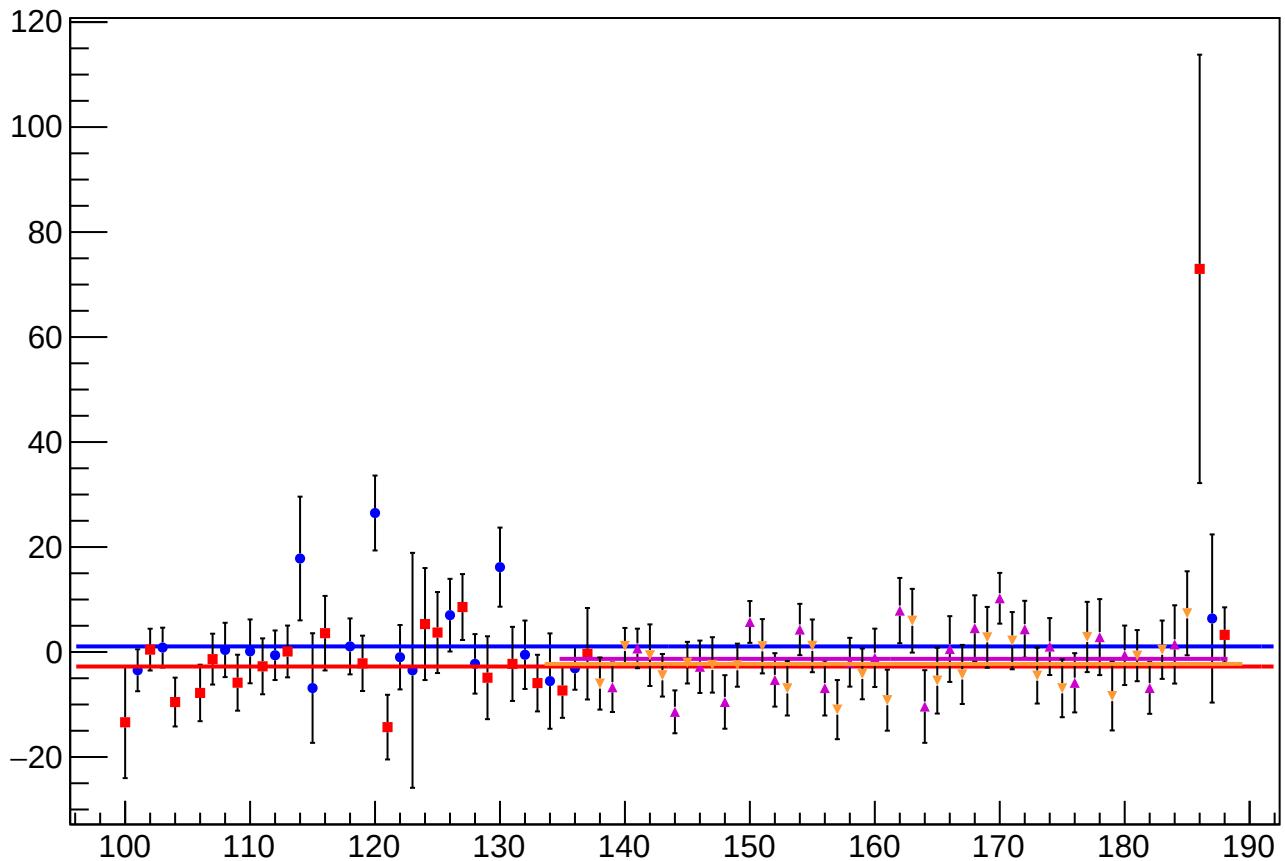
Left In: 5627.283 $\pm$ 0.957 χ^2 /NDF:279318.7/22

+ sign 6018.302 $\pm$ 0.882 χ^2 /NDF: 3640548.9/42

All: 6096.096 $\pm$ 0.633 χ^2 /NDF: 9074501.8/86

- sign 6178.896 $\pm$ 0.910 χ^2 /NDF: 5417897.8/43

diff_bpm16Y_mean vs Slug



Right In: 1.065 ± 1.400 χ^2/NDF : 23.7/17

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -2.763 ± 1.294 χ^2/NDF : 20.3/20

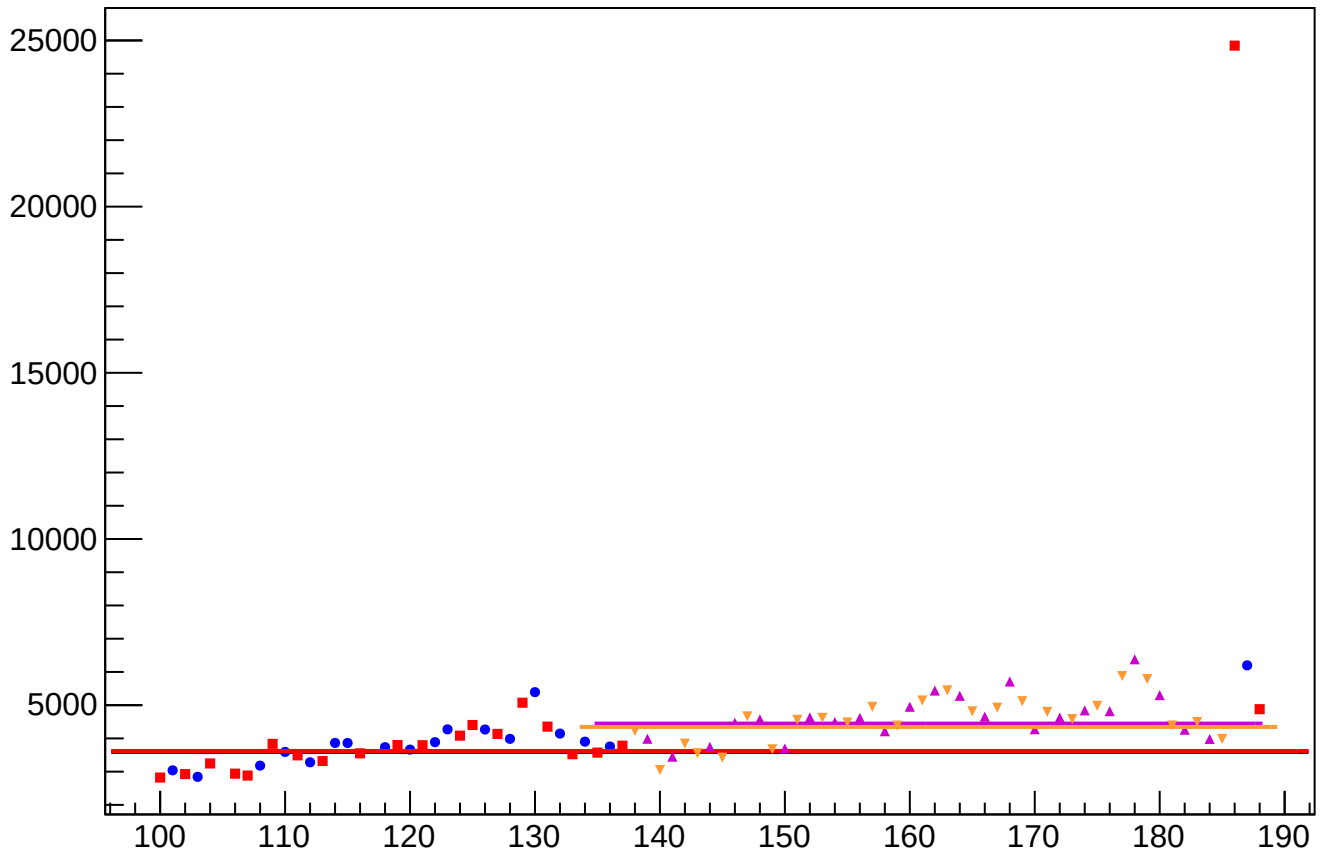
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.098 ± 0.829 χ^2/NDF : 42.8/42

All: -1.501 ± 0.586 χ^2/NDF : 95.1/86

- sign -1.902 ± 0.828 χ^2/NDF : 51.9/43

diff_bpm16Y_rms vs Slug



Right In: 3590.265 $\pm$ 0.990 χ^2 /NDF: 363738.3/17

Left Out: 4345.381 $\pm$ 0.728 χ^2 /NDF: 1000636.1/24

Right Out: 3622.435 $\pm$ 0.915 χ^2 /NDF: 964193.5/20

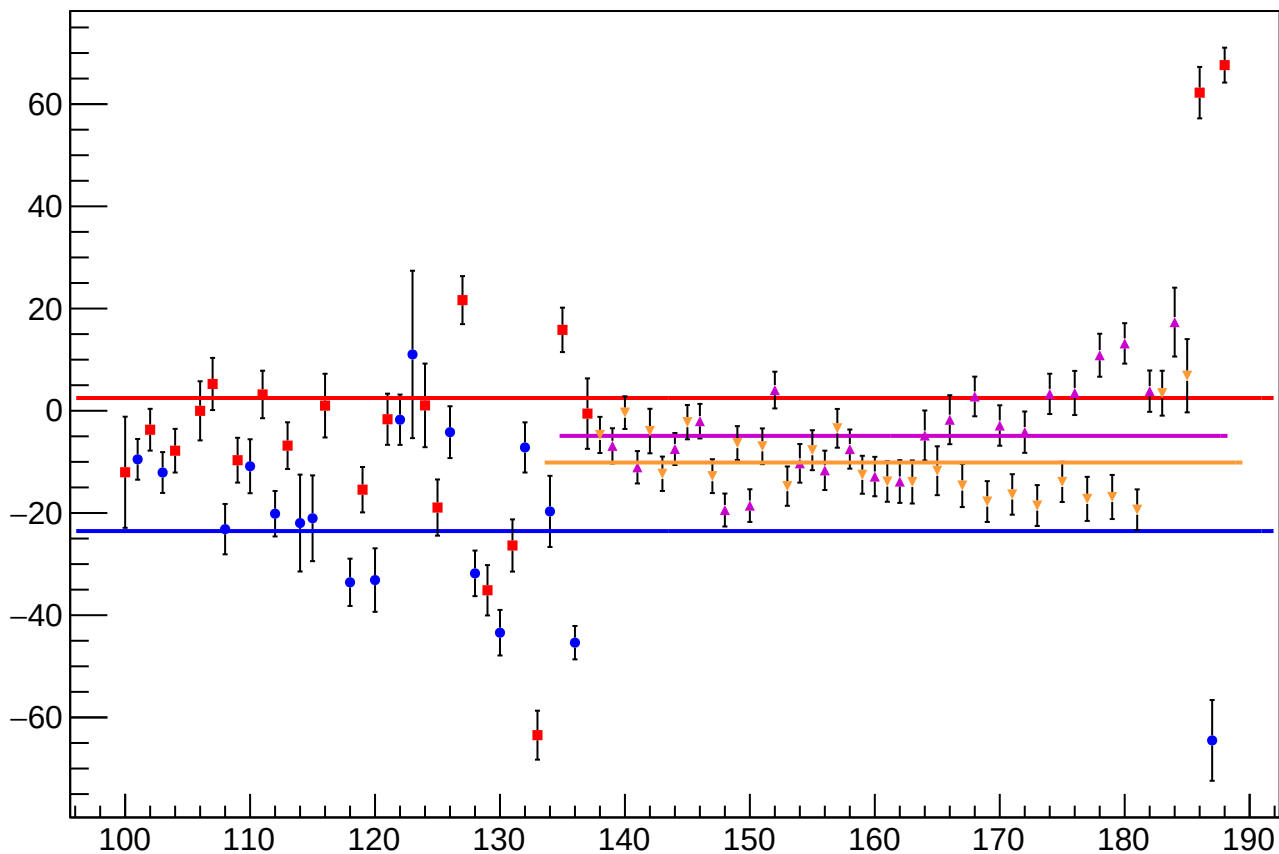
Left In: 4446.181 $\pm$ 0.762 χ^2 /NDF: 702797.6/22

+ sign 4080.365 $\pm$ 0.586 χ^2 /NDF: 1742047.6/42

All: 4094.701 $\pm$ 0.414 χ^2 /NDF: 3889119.1/86

- sign 4108.983 $\pm$ 0.585 χ^2 /NDF: 2145878.4/43

diff_bpm0l01X_mean vs Slug



Right In: -23.537 ± 1.189 χ^2/NDF : 179.1/17

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 2.498 ± 1.072 χ^2/NDF : 865.7/20

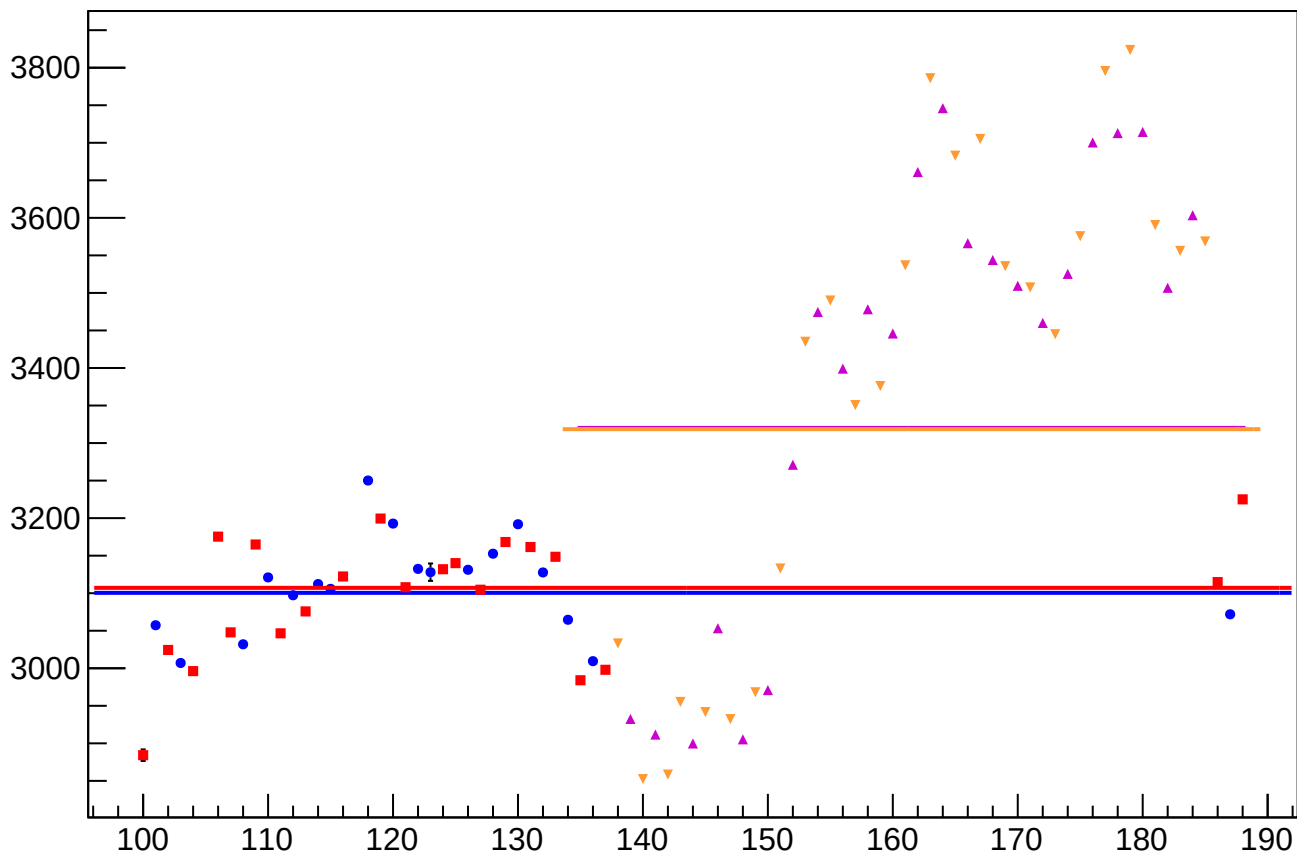
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -14.127 ± 0.650 χ^2/NDF : 336.3/42

All: -8.110 ± 0.456 χ^2/NDF : 1529.8/86

- sign -2.274 ± 0.640 χ^2/NDF : 1024.4/43

diff_bpm0l01X_rms vs Slug



Right In: 3100.492+/-0.841 χ^2/NDF : 7252.3/17

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3107.141+/-0.758 χ^2/NDF : 10484.9/20

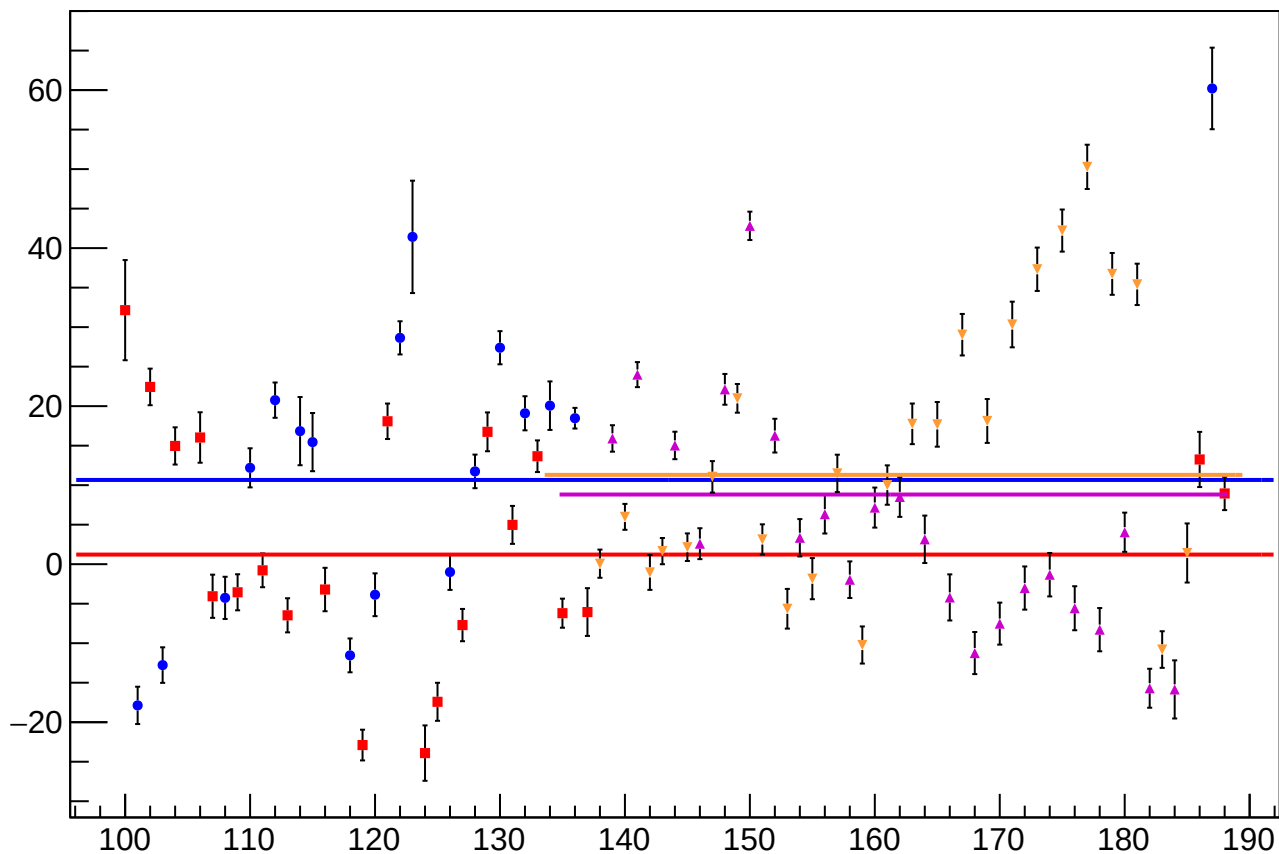
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3253.440+/-0.459 χ^2/NDF : 392125.9/42

All: 3248.818+/-0.322 χ^2/NDF : 741294.3/86

- sign 3244.335+/-0.452 χ^2/NDF : 348968.9/43

diff_bpm0l01Y_mean vs Slug



Right In: 10.660 $\pm$ 0.559 χ^2 /NDF: 781.4/17

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 1.216 $\pm$ 0.524 χ^2 /NDF: 656.6/20

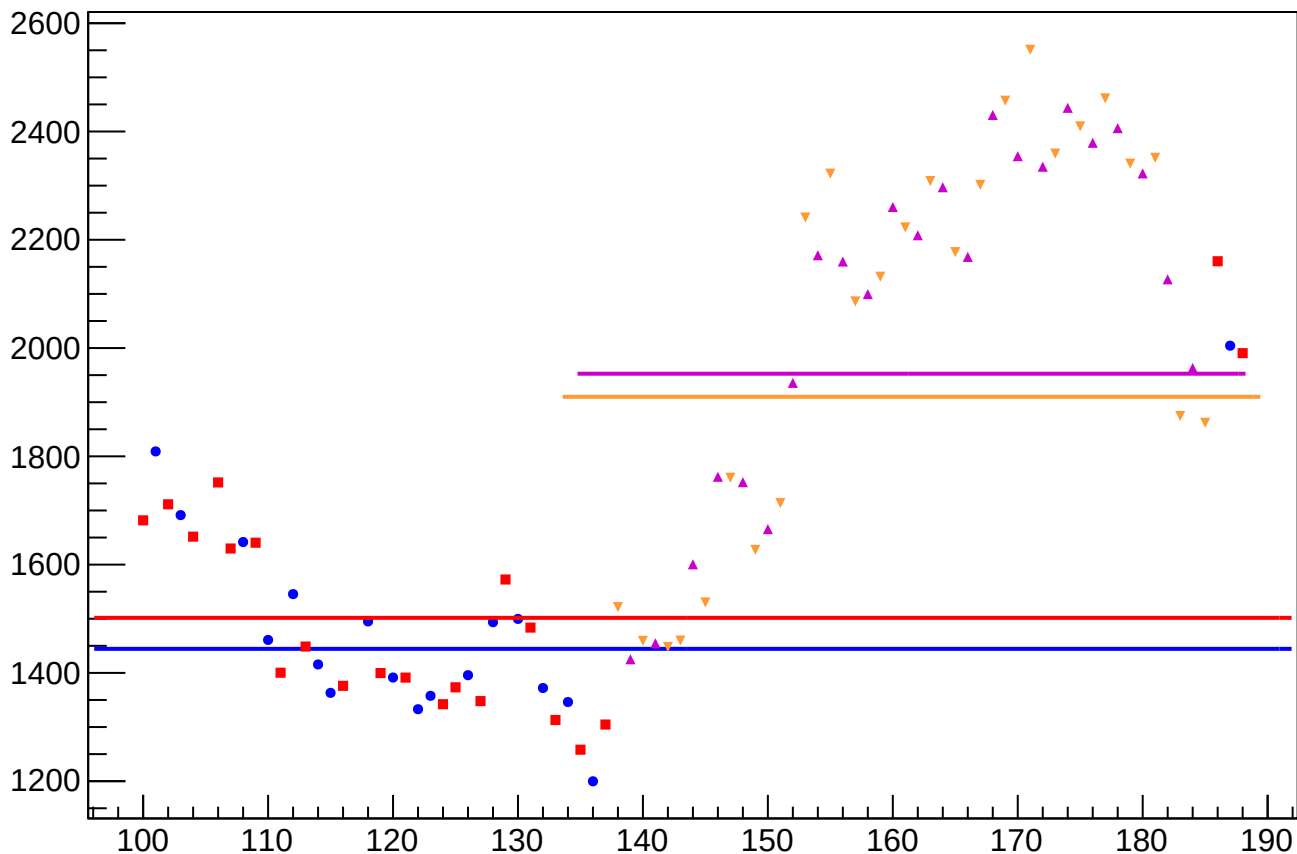
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 11.049 $\pm$ 0.352 χ^2 /NDF: 1926.5/42

All: 8.216 $\pm$ 0.249 χ^2 /NDF: 3769.7/86

- sign 5.387 $\pm$ 0.352 χ^2 /NDF: 1714.0/43

diff_bpm0l01Y_rms vs Slug



Right In: 1444.453+/-0.396 χ^2/NDF : 197010.1/17

Left Out: 1909.963+/-0.321 χ^2/NDF :1399467.7/24

Right Out: 1501.702+/-0.371 χ^2/NDF : 333332.2/20

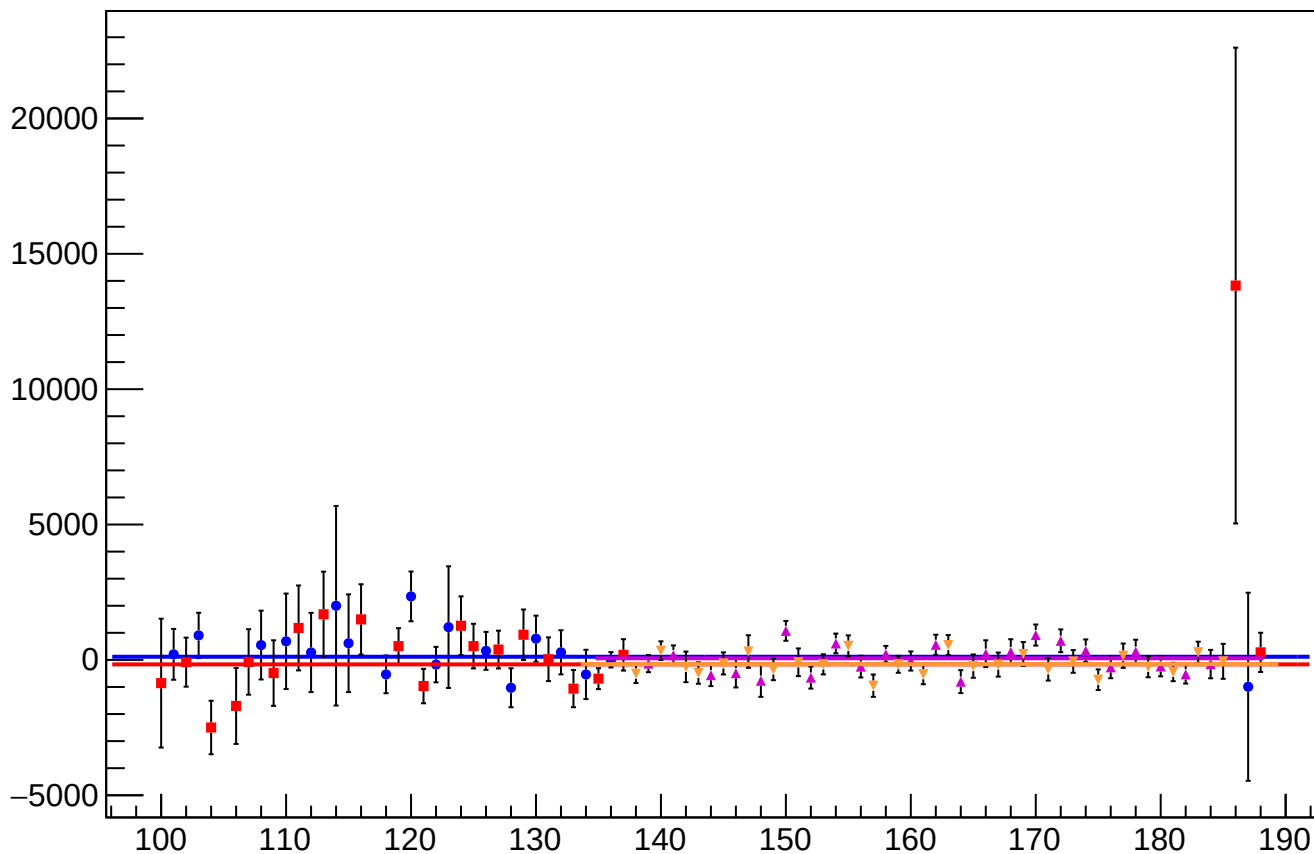
Left In: 1952.637+/-0.336 χ^2/NDF :1065333.8/22

+ sign 1725.161+/-0.249 χ^2/NDF : 2431778.1/42

All: 1737.185+/-0.176 χ^2/NDF : 4647053.2/86

- sign 1749.192+/-0.249 χ^2/NDF : 2210622.3/43

asym_sam1_mean vs Slug



Right In: 116.367 ± 180.358 χ^2/NDF : 12.7/17

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -165.551 ± 179.015 χ^2/NDF : 24.6/20

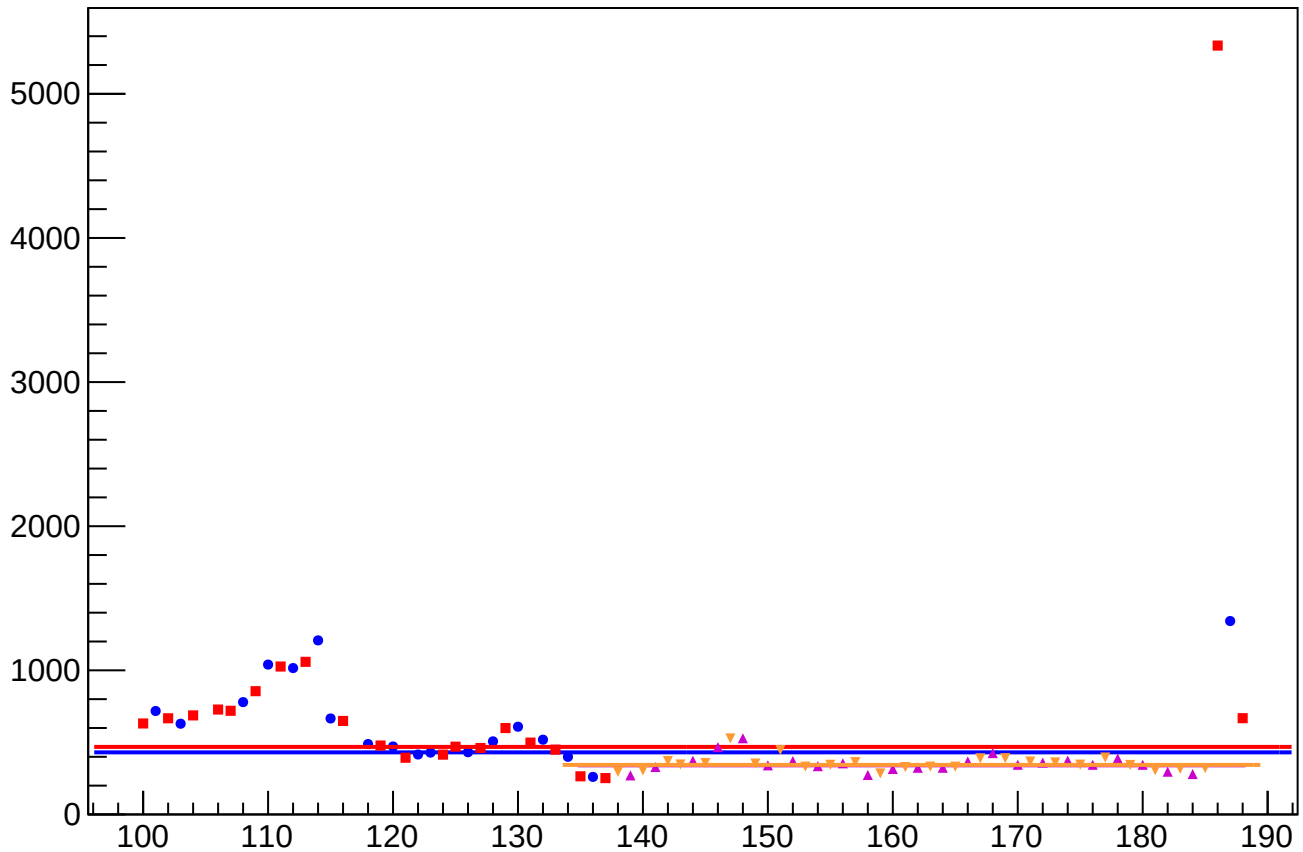
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -111.511 ± 73.735 χ^2/NDF : 36.7/42

All: -47.090 ± 52.576 χ^2/NDF : 102.7/86

- sign 19.542 ± 74.989 χ^2/NDF : 64.4/43

asym_sam1_rms vs Slug



Right In: 430.888 $\pm$ 0.128 χ^2 /NDF: 2144955.6/17

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 468.705 $\pm$ 0.127 χ^2 /NDF: 2810581.1/20

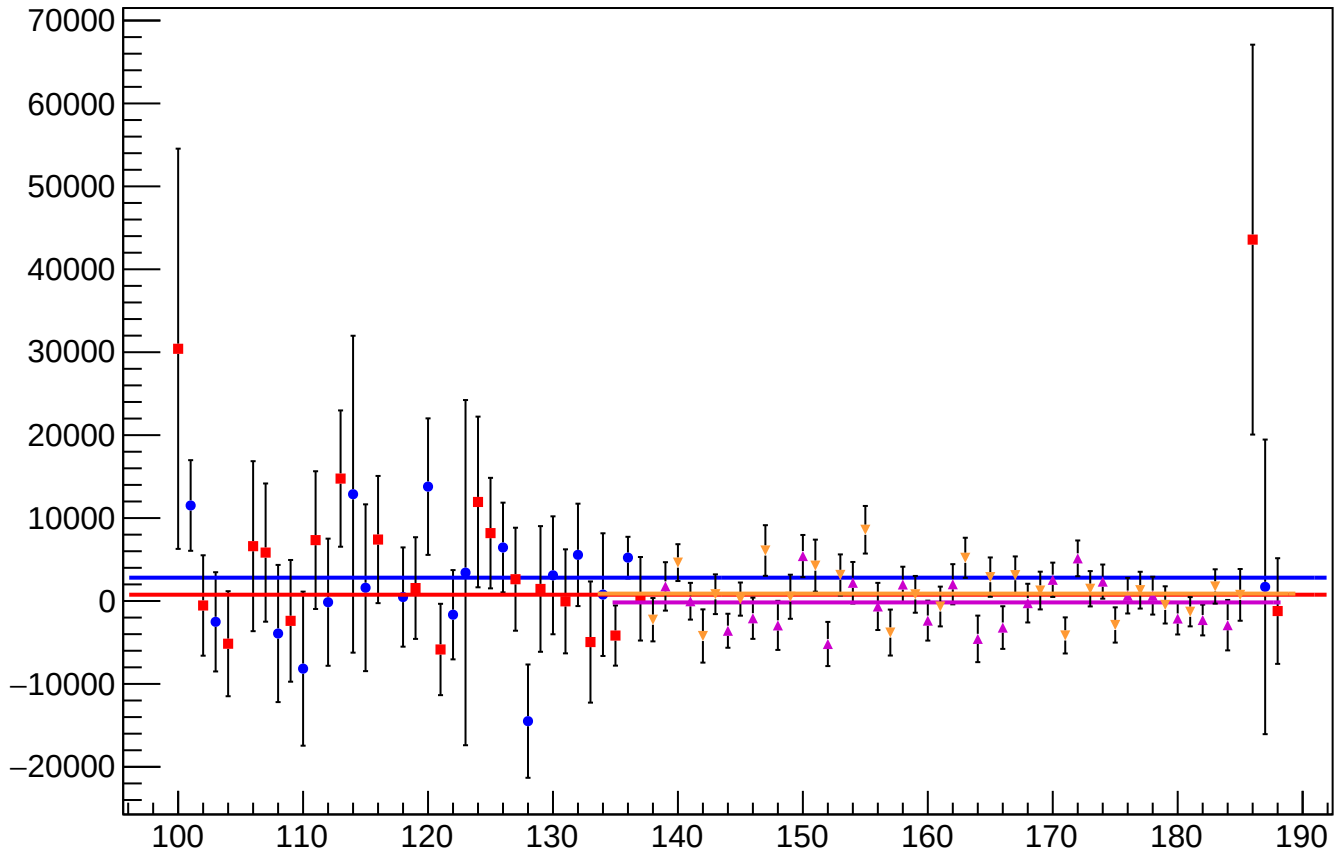
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 358.361 $\pm$ 0.052 χ^2 /NDF: 3072699.6/42

All: 360.793 $\pm$ 0.037 χ^2 /NDF: 7453212.2/86

- sign 363.307 $\pm$ 0.053 χ^2 /NDF: 4376089.5/43

asym_sam2_mean vs Slug



Right In: 2812.238 $\pm$ 1445.976 χ^2 /NDF: 16.5/17

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF:38.0/24

Right Out: 758.038 $\pm$ 1468.835 χ^2 /NDF: 17.5/20

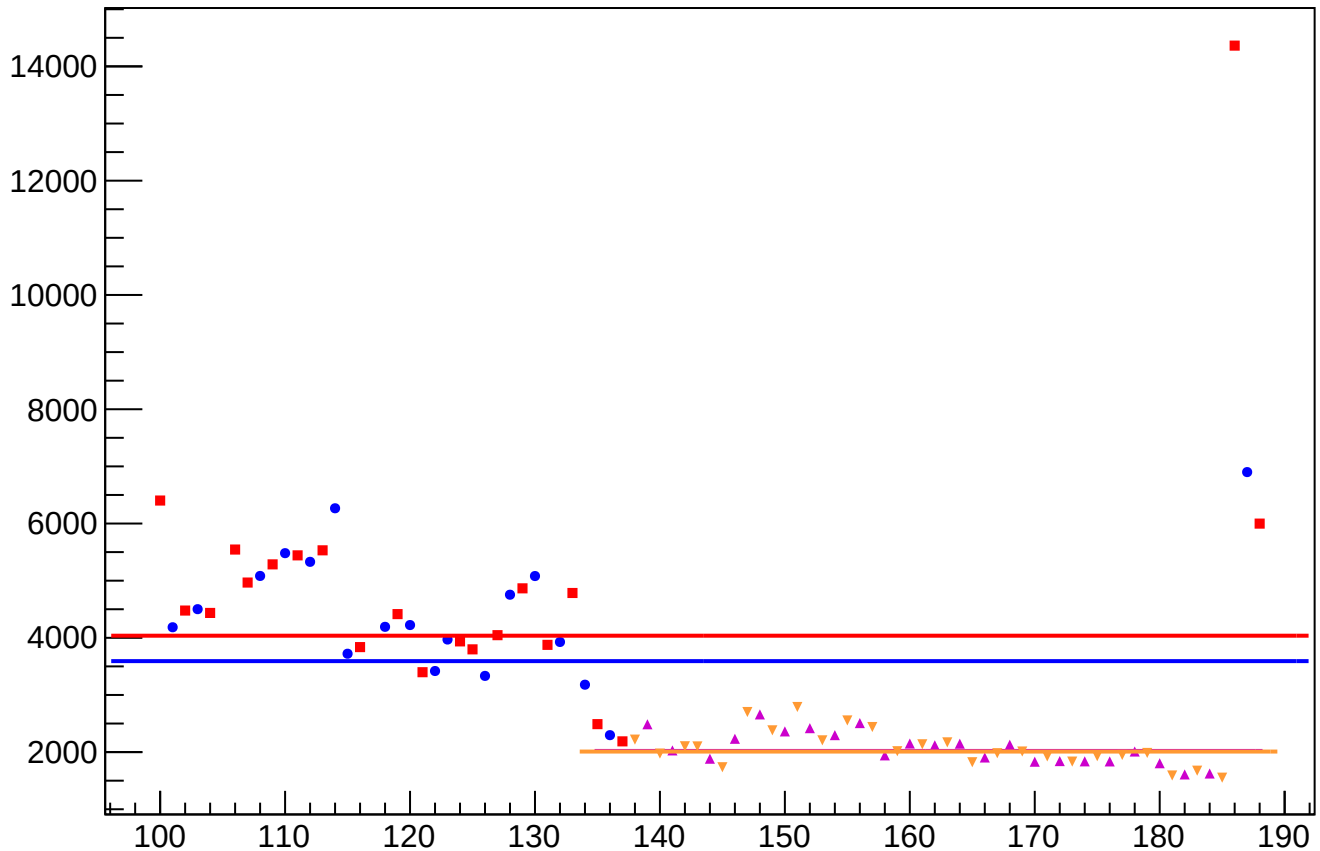
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF:33.2/22

+ sign 1076.348 $\pm$ 449.784 χ^2 /NDF: 56.1/42

All: 515.182 $\pm$ 322.673 χ^2 /NDF: 110.3/86

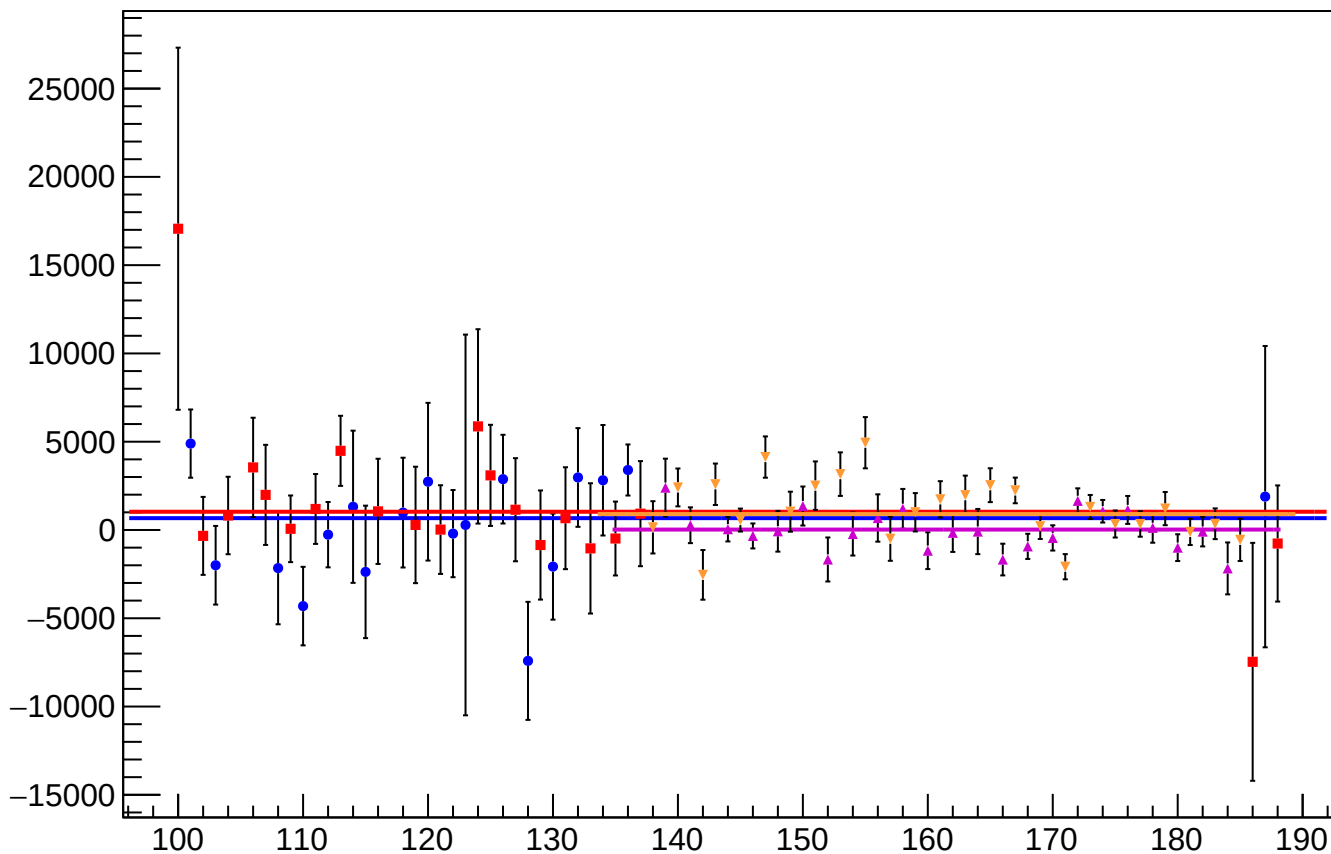
- sign -79.876 $\pm$ 463.167 χ^2 /NDF: 51.0/43

asym_sam2_rms vs Slug



Right In: 3592.252+/-1.022 χ^2/NDF : 1157732.5/17 + sign 2162.762+/-0.318 χ^2/NDF : 4031753.0/42
 Left Out: 2009.631+/-0.335 χ^2/NDF : 709977.6/24 All: 2190.973+/-0.228 χ^2/NDF : 9597214.9/80
 Right Out: 4037.043+/-1.039 χ^2/NDF : 1580510.1/20 - sign 2220.889+/-0.328 χ^2/NDF : 5549250.1/43
 Left In: 2020.365+/-0.345 χ^2/NDF : 573483.0/22

asym_sam3_mean vs Slug



Right In: 669.894 ± 620.862 χ^2/NDF : 25.5/17

Left Out: 902.091 ± 185.850 χ^2/NDF : 63.5/24

Right Out: 1033.247 ± 592.102 χ^2/NDF : 11.7/20

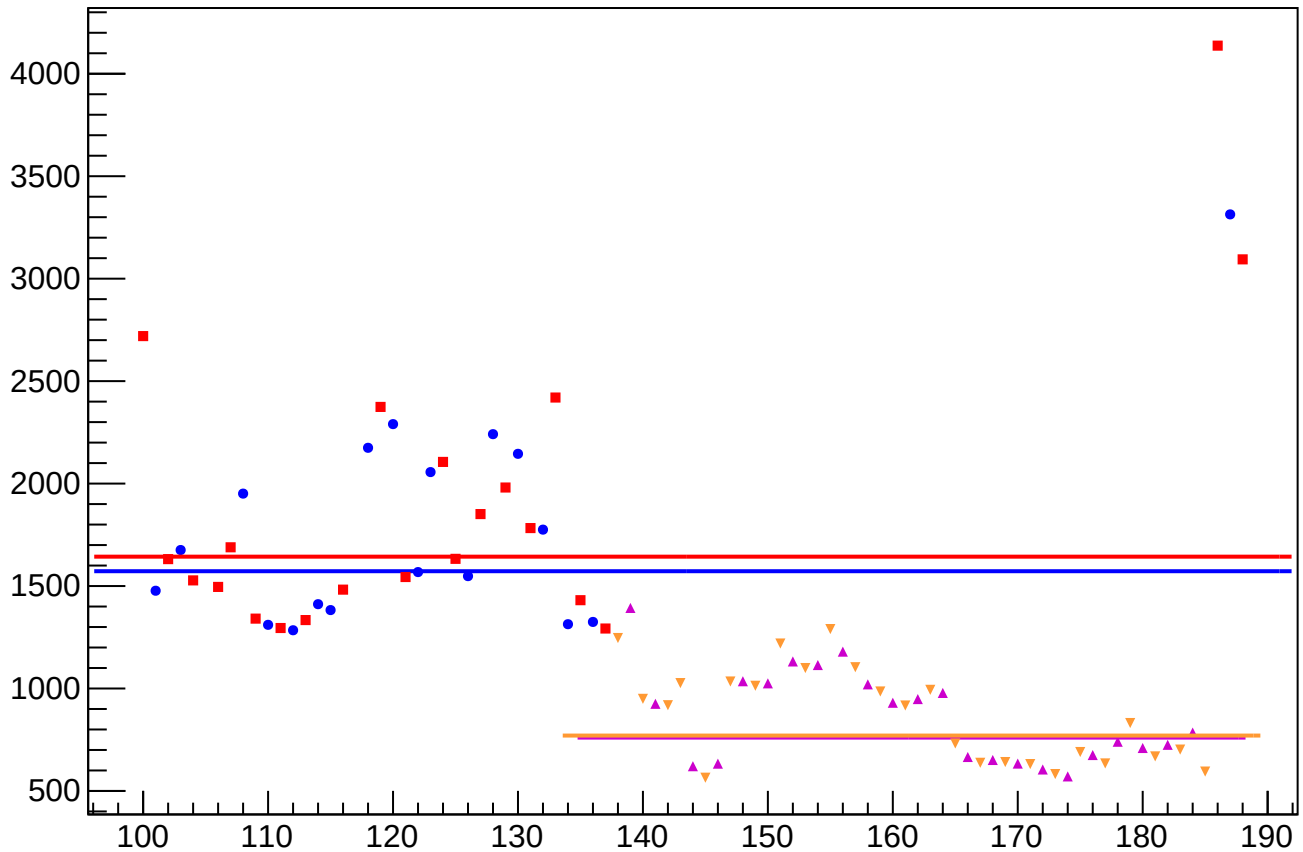
Left In: 23.529 ± 188.137 χ^2/NDF : 28.2/22

+ sign 882.996 ± 178.044 χ^2/NDF : 89.1/42

All: 502.261 ± 126.339 χ^2/NDF : 140.9/86

- sign 116.123 ± 179.303 χ^2/NDF : 42.5/43

asym_sam3_rms vs Slug



Right In: 1572.364+/-0.439 χ^2/NDF : 571374.6/17

Left Out: 770.320+/-0.131 χ^2/NDF : 2287655.1/24

Right Out: 1643.395+/-0.419 χ^2/NDF : 1155537.2/20

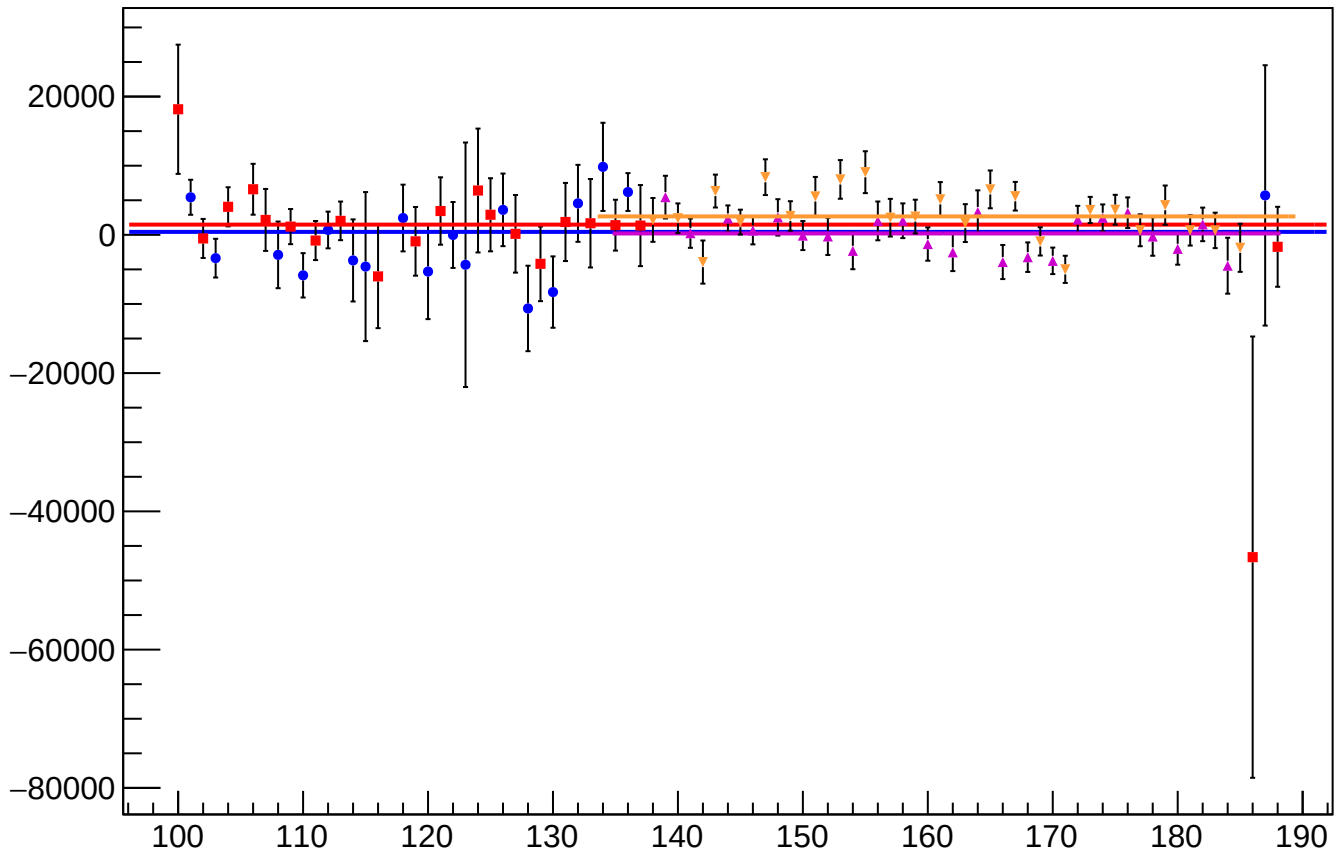
Left In: 760.352+/-0.133 χ^2/NDF : 1986749.8/22

+ sign 836.278+/-0.126 χ^2/NDF : 5922171.6/42

All: 838.786+/-0.089 χ^2/NDF : 13105704.7/80

- sign 841.329+/-0.127 χ^2/NDF : 7182733.7/43

asym_sam4_mean vs Slug



Right In: 425.925 $\pm$ 996.648 χ^2 /NDF: 25.4/17

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF: 49.2/24

Right Out: 1478.351 $\pm$ 913.767 χ^2 /NDF: 12.7/20

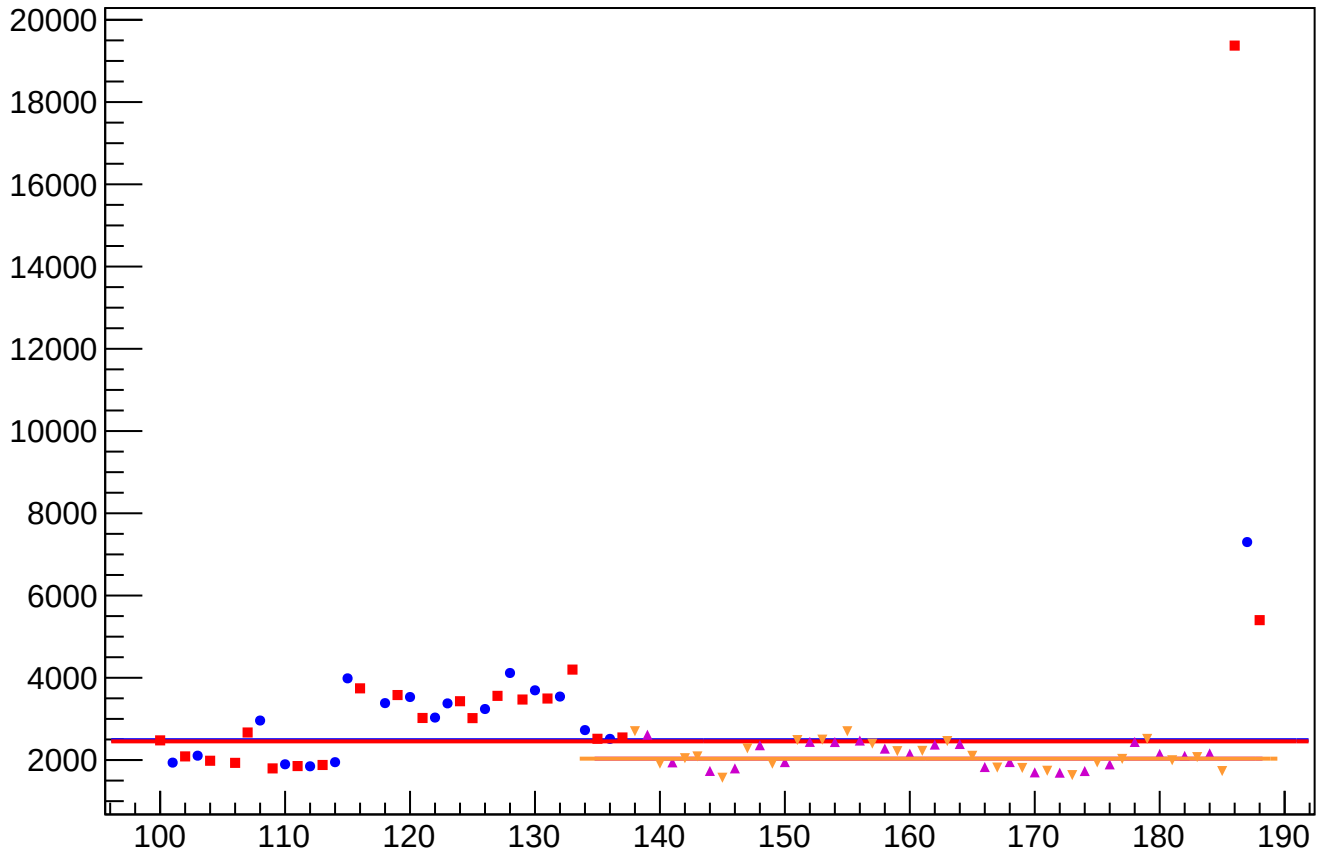
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2244.227 $\pm$ 432.292 χ^2 /NDF: 78.7/42

All: 1367.513 $\pm$ 306.016 χ^2 /NDF: 127.0/86

- sign 486.896 $\pm$ 433.253 χ^2 /NDF: 40.0/43

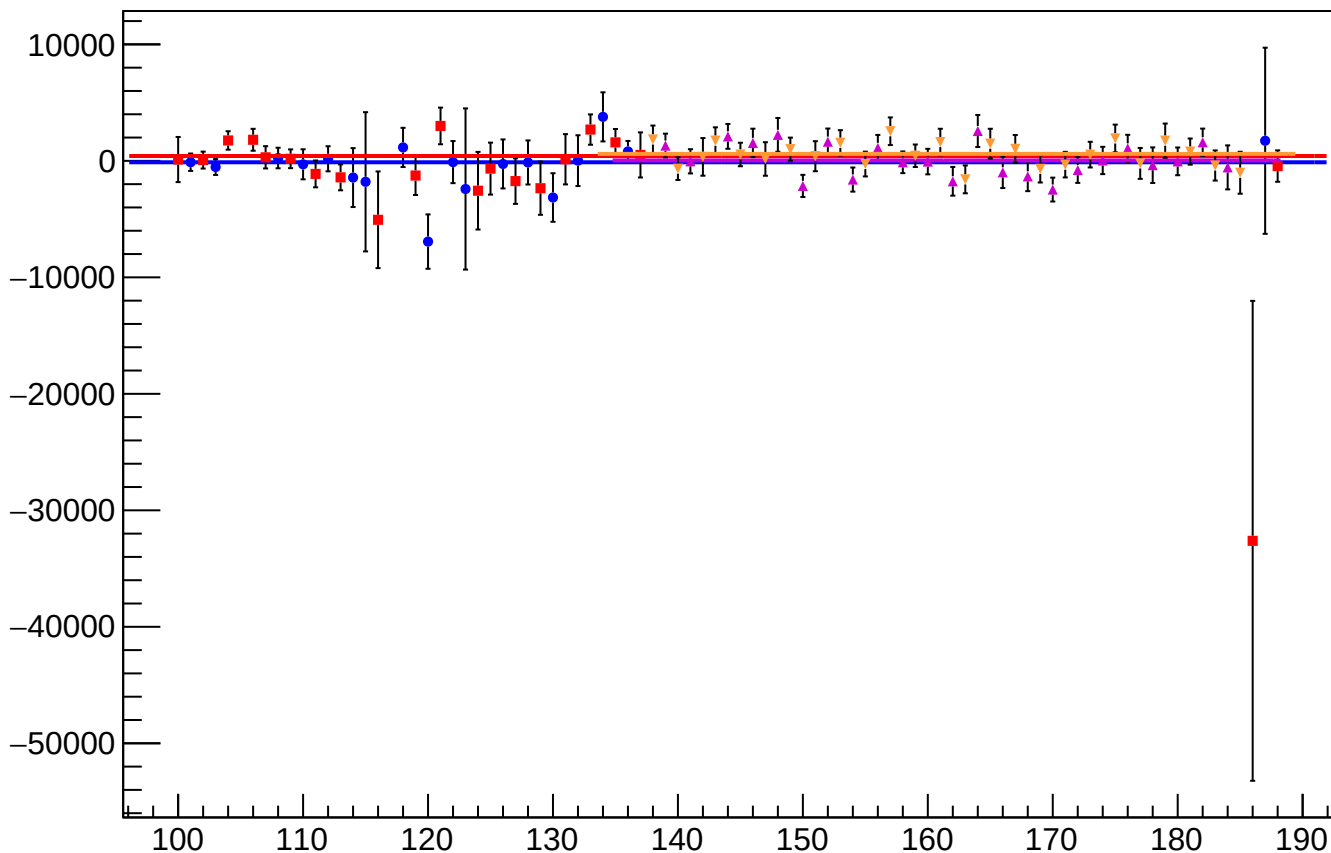
asym_sam4_rms vs Slug



Right In: 2482.771 $\pm$ 0.705 χ^2 /NDF: 1031470.1/17
 Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24
 Right Out: 2453.609 $\pm$ 0.646 χ^2 /NDF: 2126730.1/20
 Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

+ sign 2117.891 $\pm$ 0.306 χ^2 /NDF: 2185719.9/42
 All: 2122.580 $\pm$ 0.216 χ^2 /NDF: 5294717.5/86
 - sign 2127.289 $\pm$ 0.306 χ^2 /NDF: 3108526.1/43

asym_sam5_mean vs Slug



Right In: -121.488+/-313.493 χ^2/NDF : 16.8/17

Left Out: 600.005+/-234.968 χ^2/NDF : 18.5/24

Right Out: 416.870+/-277.066 χ^2/NDF : 26.1/20

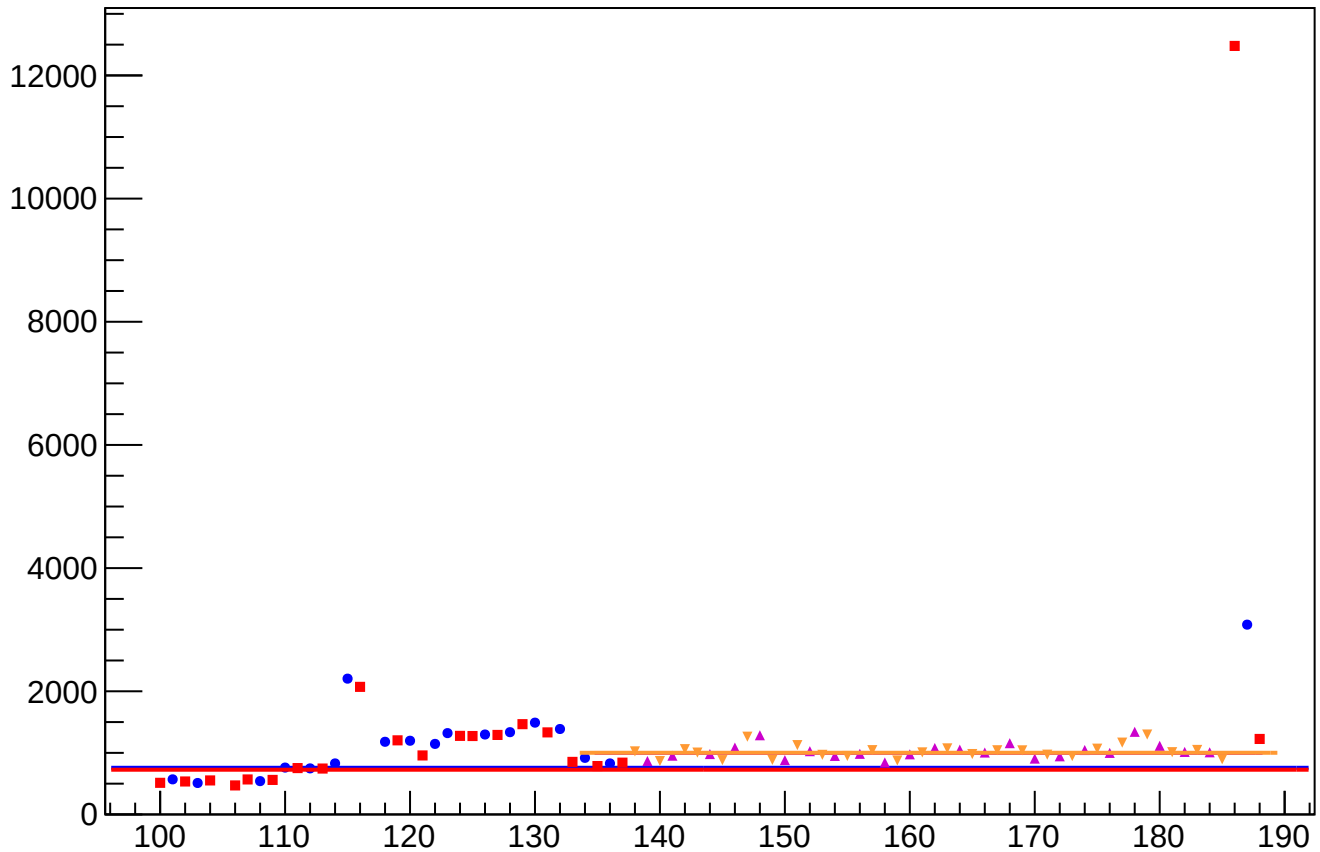
Left In: 41.559+/-240.807 χ^2/NDF : 36.4/22

+ sign 340.482+/-188.018 χ^2/NDF : 38.7/42

All: 269.446+/-130.678 χ^2/NDF : 102.5/86

- sign 203.066+/-181.753 χ^2/NDF : 63.5/43

asym_sam5_rms vs Slug



Right In: 757.803 $\pm$ 0.222 χ^2 /NDF: 1858639.0/17

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 726.330 $\pm$ 0.196 χ^2 /NDF: 2629492.4/20

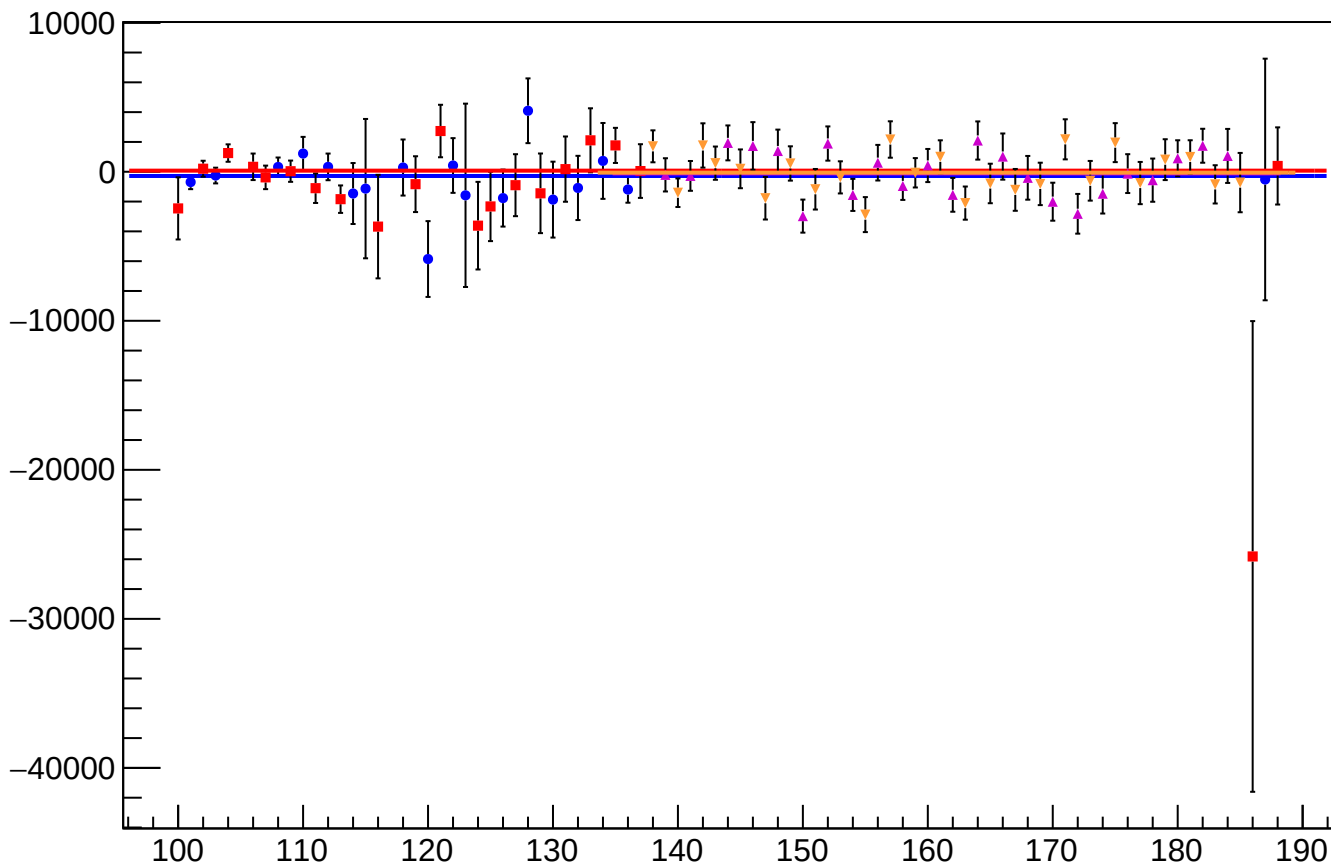
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 913.823 $\pm$ 0.133 χ^2 /NDF: 3002611.1/42

All: 896.919 $\pm$ 0.092 χ^2 /NDF: 7163835.9/86

- sign 881.122 $\pm$ 0.129 χ^2 /NDF: 4129949.3/43

asym_sam6_mean vs Slug



Right In: -283.397 ± 250.563 χ^2/NDF : 15.8/17

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: 74.151 ± 245.075 χ^2/NDF : 24.3/20

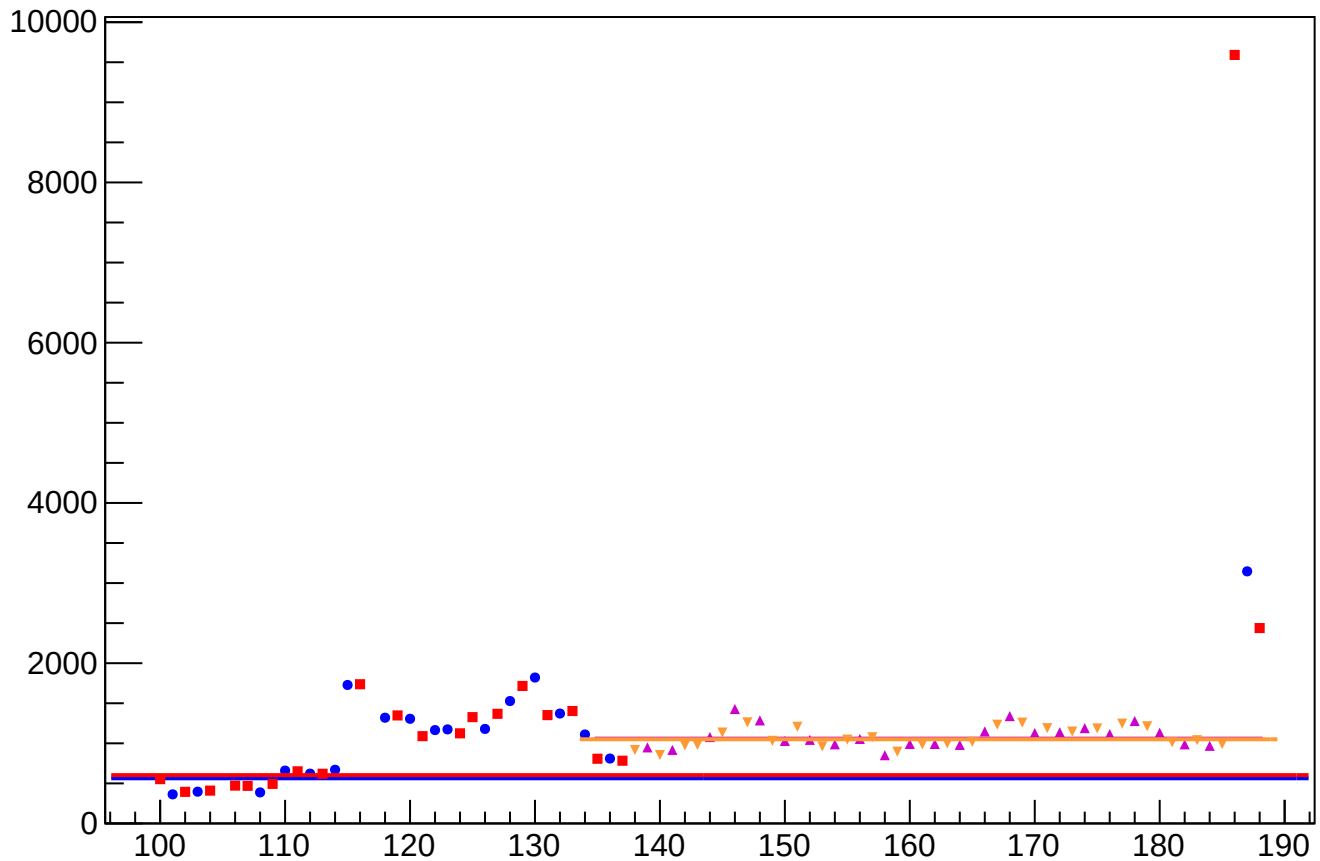
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -169.786 ± 175.722 χ^2/NDF : 47.2/42

All: -93.017 ± 124.646 χ^2/NDF : 107.0/86

- sign -15.273 ± 176.835 χ^2/NDF : 59.4/43

asym_sam6_rms vs Slug



Right In: 563.789+/-0.177 χ^2/NDF : 3414438.7/17

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 603.131+/-0.173 χ^2/NDF : 4478473.0/20

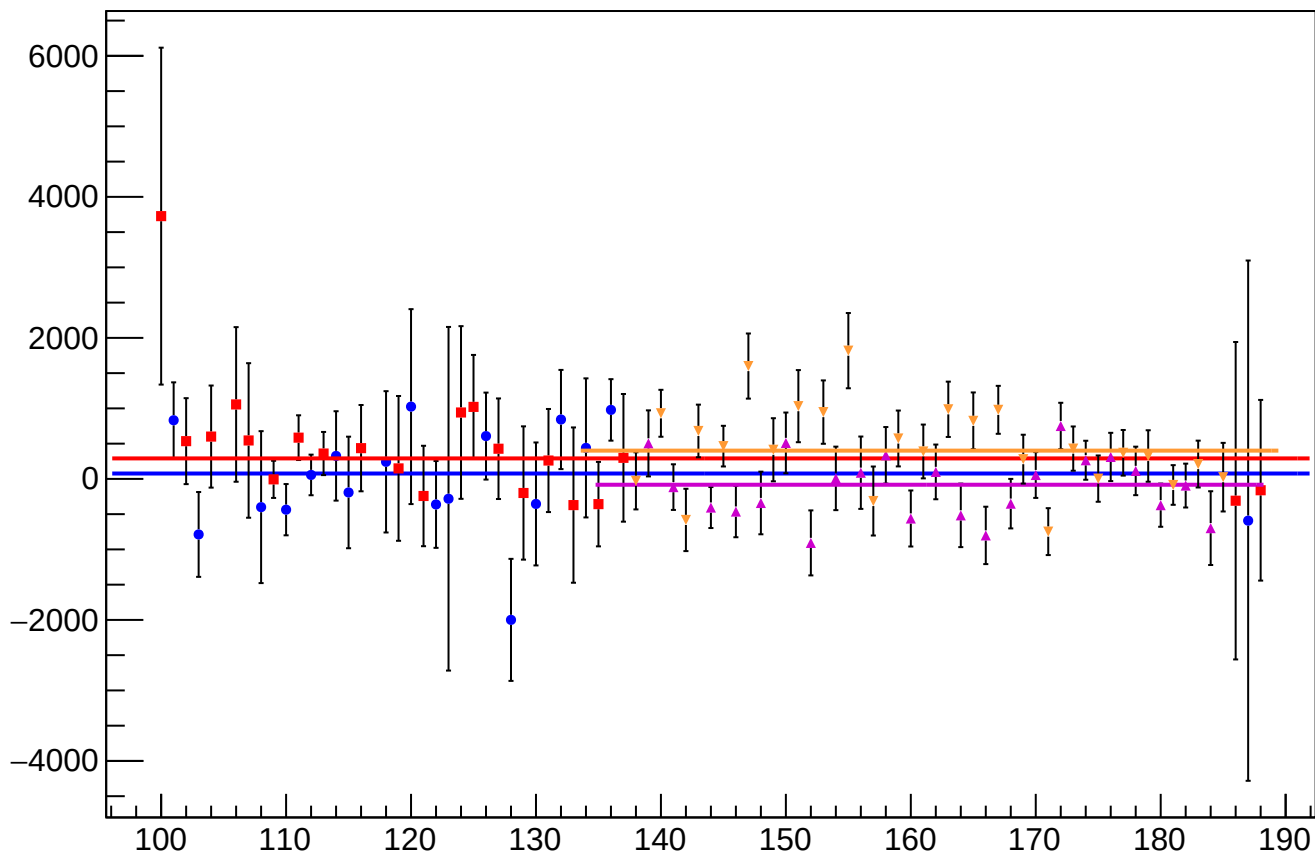
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 811.195+/-0.124 χ^2/NDF : 7734752.6/42

All: 816.178+/-0.088 χ^2/NDF : 16049126.8/80

- sign 821.224+/-0.125 χ^2/NDF : 8311137.8/43

asym_sam7_mean vs Slug



Right In: 76.409 $\pm$ 143.162 χ^2/NDF : 19.9/17

Left Out: 400.988 $\pm$ 74.546 χ^2/NDF : 52.1/24

Right Out: 290.577 $\pm$ 128.941 χ^2/NDF : 9.1/20

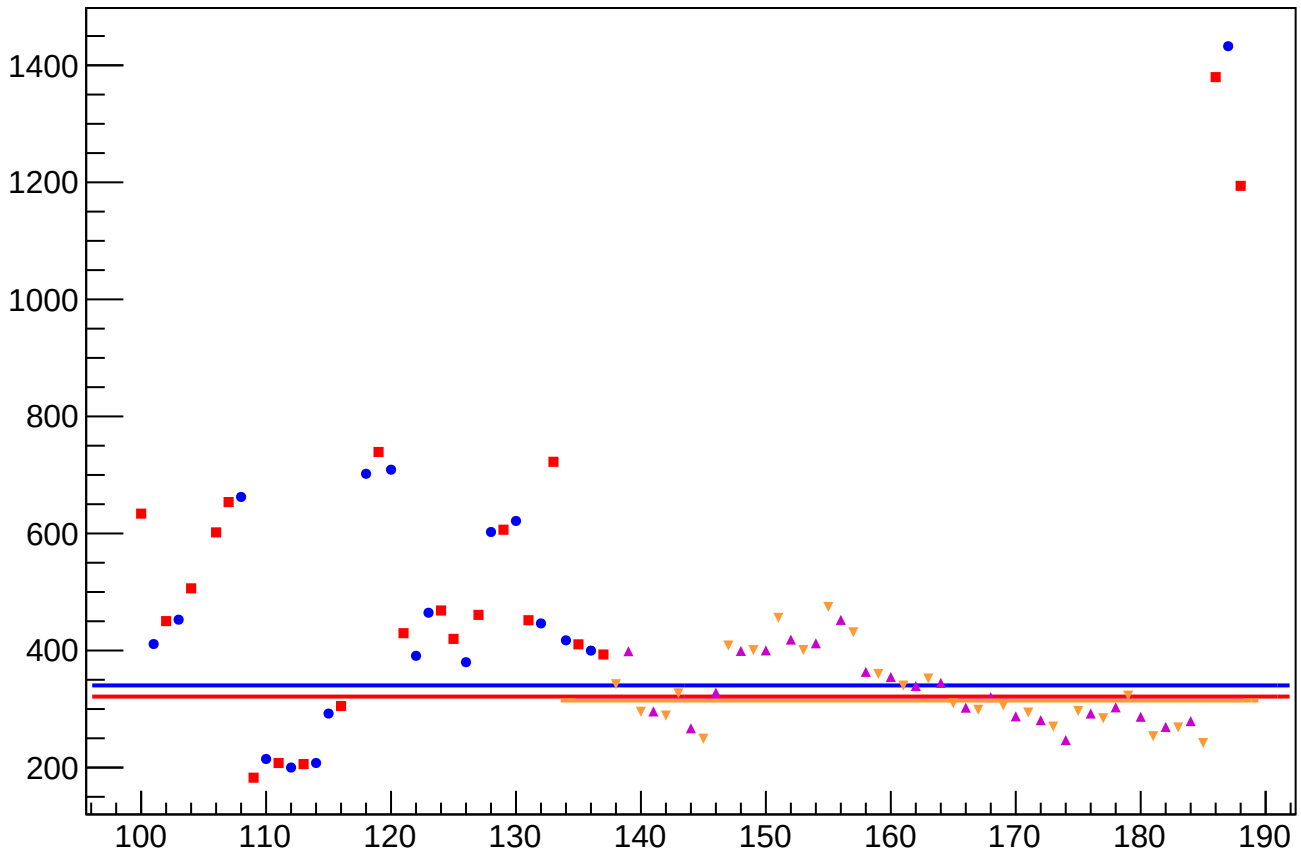
Left In: -82.890 $\pm$ 76.904 χ^2/NDF : 29.0/22

+ sign 331.753 $\pm$ 66.119 χ^2/NDF : 76.0/42

All: 173.258 $\pm$ 46.728 χ^2/NDF : 131.7/86

- sign 15.104 $\pm$ 66.048 χ^2/NDF : 44.2/43

asym_sam7_rms vs Slug



Right In: 340.353+/-0.101 χ^2/NDF : 2183132.1/17

Left Out: 314.538+/-0.053 χ^2/NDF : 1112445.6/24

Right Out: 321.311+/-0.091 χ^2/NDF : 4121200.8/20

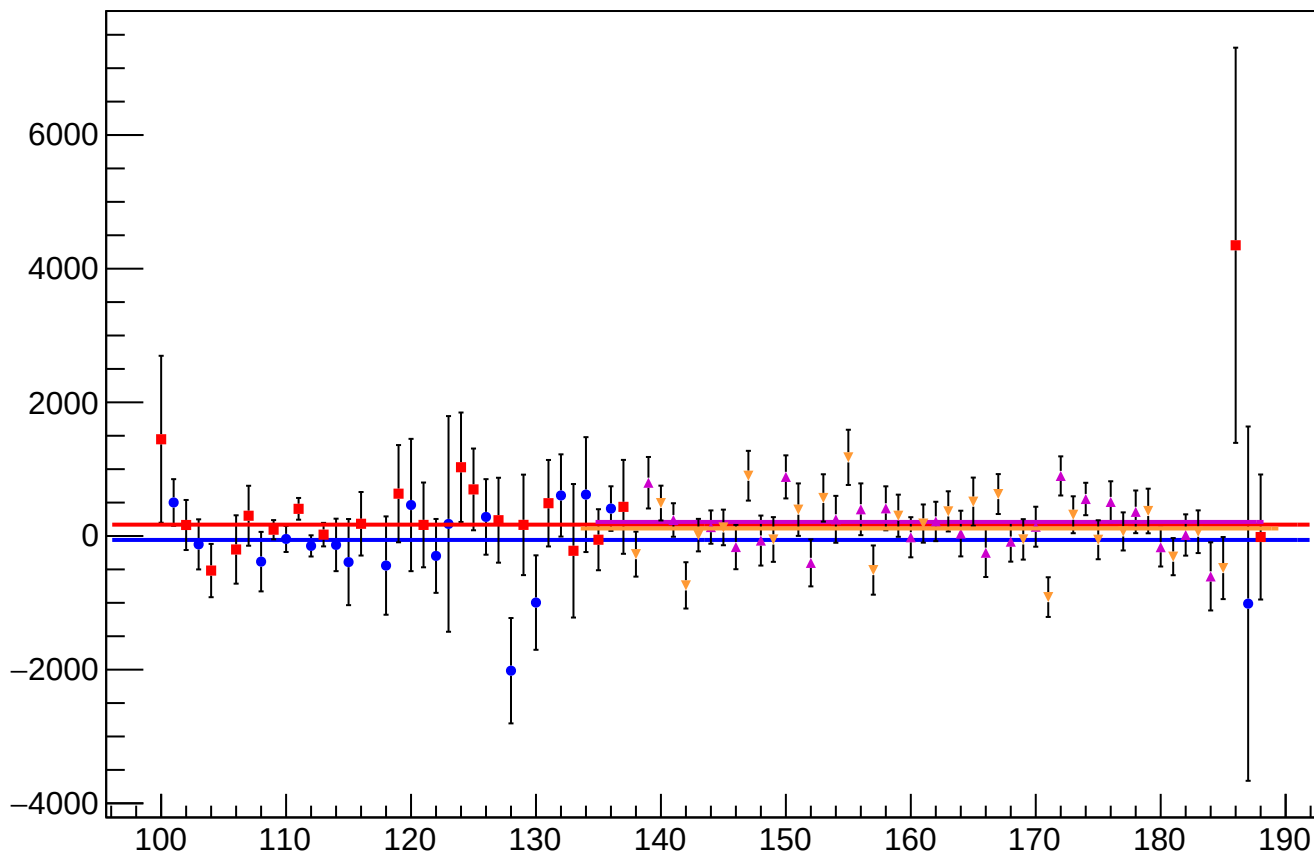
Left In: 316.647+/-0.054 χ^2/NDF : 920874.0/22

+ sign 320.045+/-0.047 χ^2/NDF : 3346736.0/42

All: 318.957+/-0.033 χ^2/NDF : 8391823.8/86

- sign 317.871+/-0.047 χ^2/NDF : 5044005.6/43

asym_sam8_mean vs Slug



Right In: -58.968 ± 90.641 χ^2/NDF : 16.7/17

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 169.904 ± 76.683 χ^2/NDF : 12.8/20

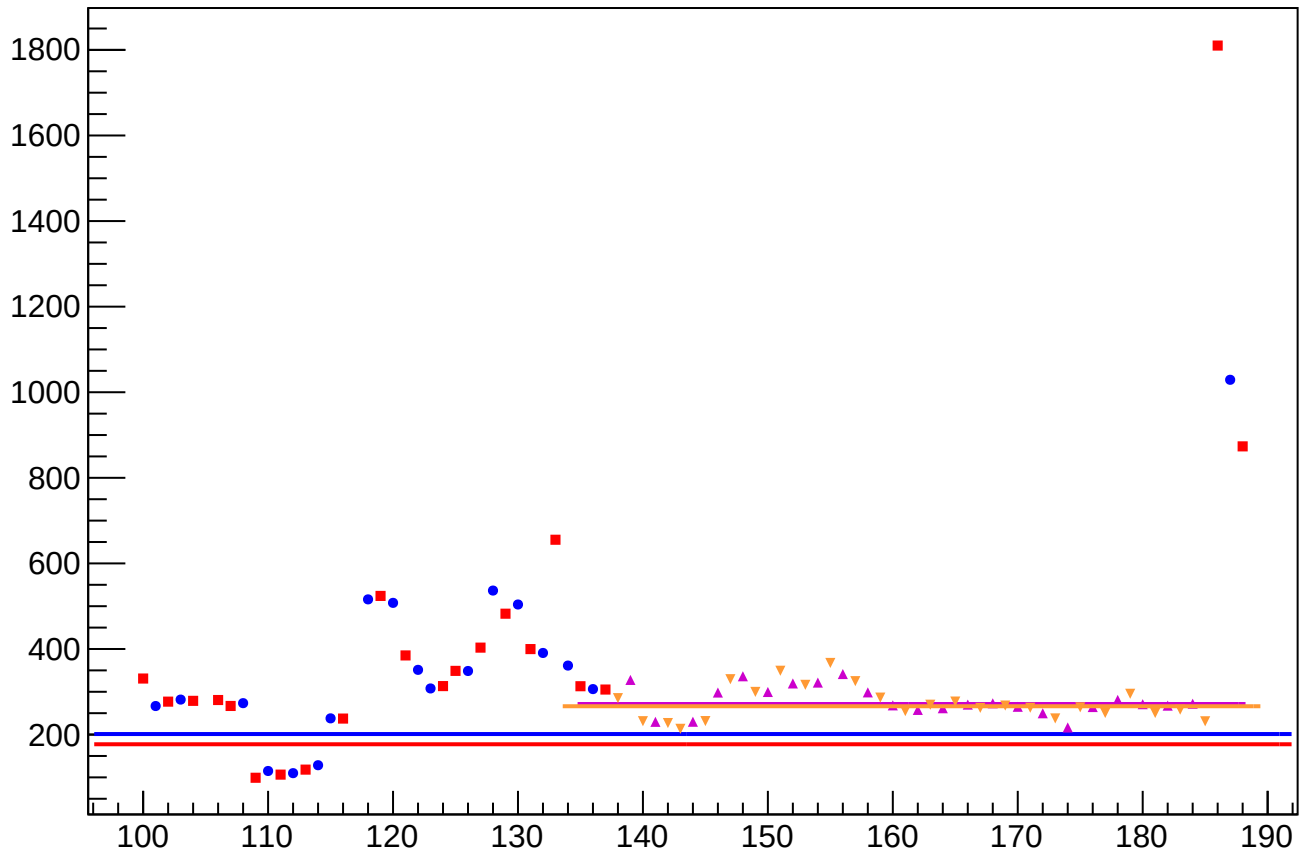
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 56.900 ± 51.534 χ^2/NDF : 68.3/42

All: 127.444 ± 35.814 χ^2/NDF : 114.0/86

- sign 193.345 ± 49.809 χ^2/NDF : 42.1/43

asym_sam8_rms vs Slug



Right In: 201.253+/-0.064 χ^2/NDF : 3577159.6/17

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 177.365+/-0.054 χ^2/NDF : 5811992.1/20

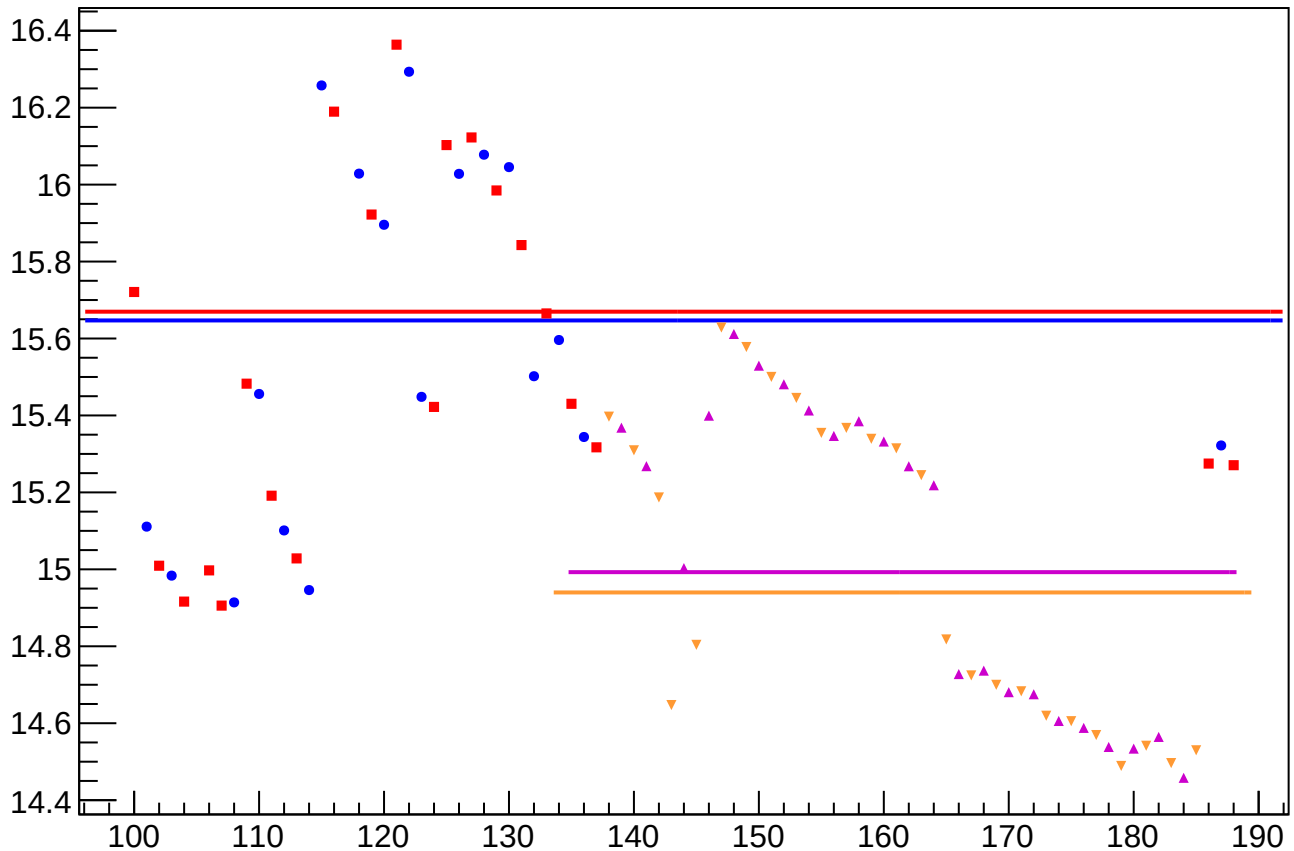
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 245.211+/-0.036 χ^2/NDF : 4921861.3/42

All: 238.243+/-0.025 χ^2/NDF : 13065620.4/80

- sign 231.734+/-0.035 χ^2/NDF : 8073043.3/43

yield_sam1_mean vs Slug



Right In: 15.647 ± 0.000 χ^2/NDF : 5455628994.4/17

Left Out: 14.940 ± 0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.670 ± 0.000 χ^2/NDF : 5532082013.0/20

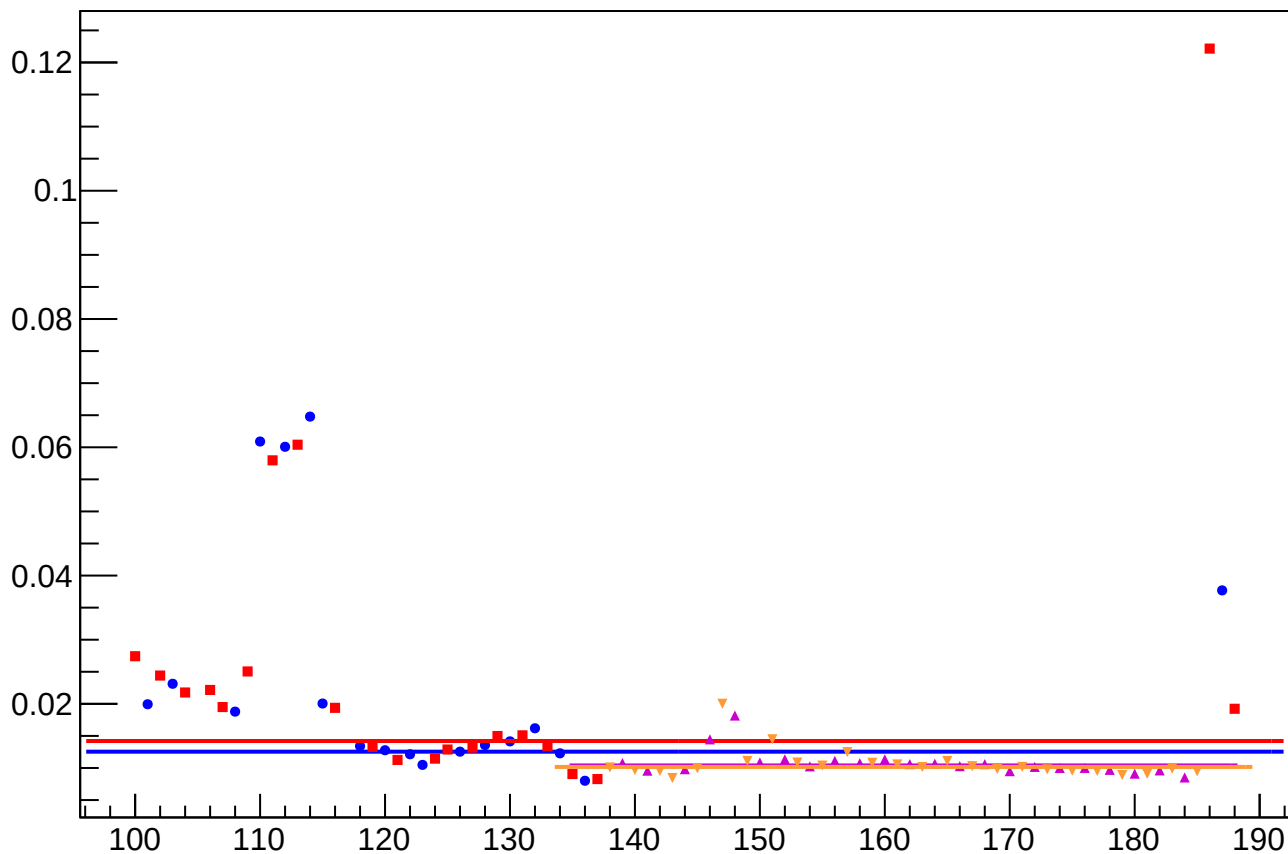
Left In: 14.993 ± 0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.057 ± 0.000 χ^2/NDF : 43498670923.3/42

All: 15.081 ± 0.000 χ^2/NDF : 83153826197.9

- sign 15.108 ± 0.000 χ^2/NDF : 39408172618.3/43

yield_sam1_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 2272225.3/17

Left Out: 0.010 ± 0.000 χ^2/NDF : 717351.4/24

Right Out: 0.014 ± 0.000 χ^2/NDF : 2768144.9/20

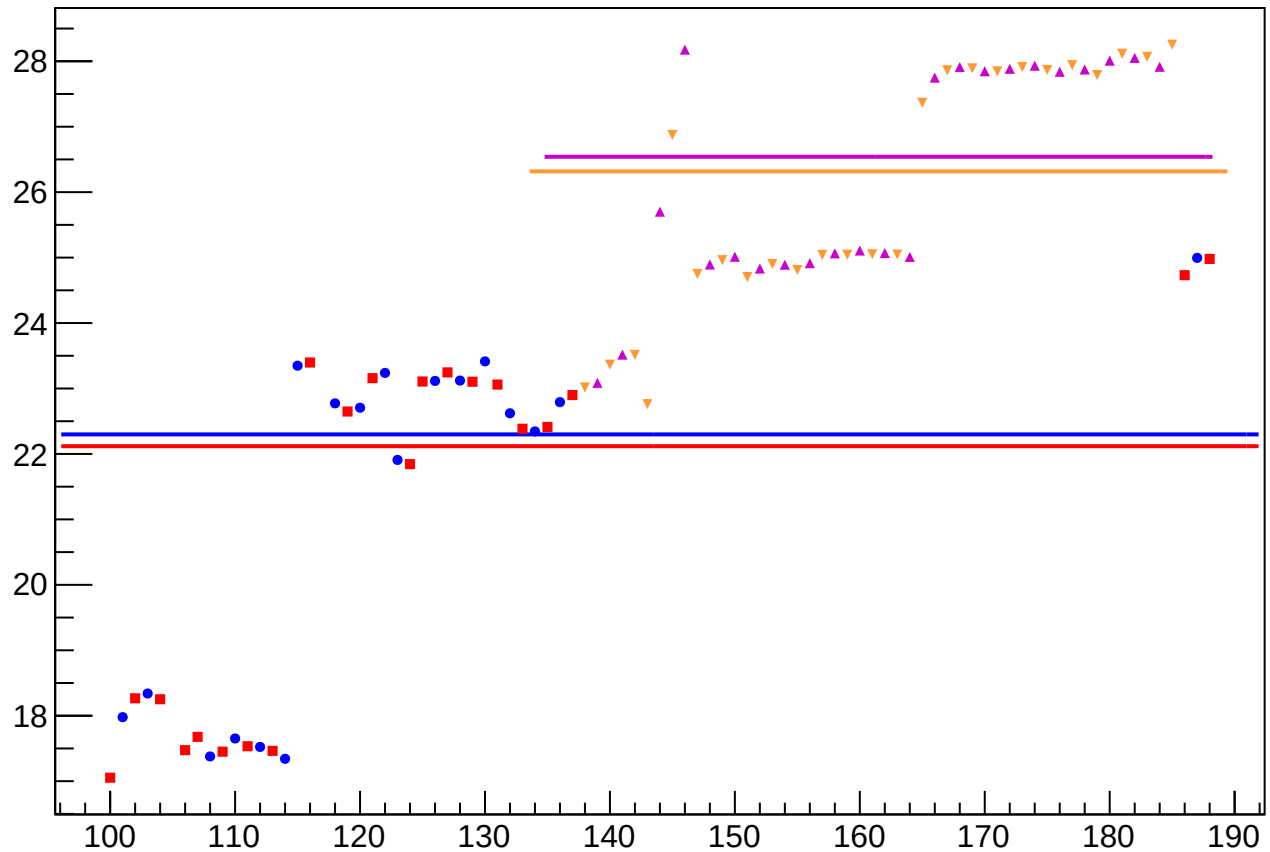
Left In: 0.010 ± 0.000 χ^2/NDF : 544268.8/22

+ sign 0.011 ± 0.000 χ^2/NDF : 3303101.0/42

All: 0.011 ± 0.000 χ^2/NDF : 7411722.9/86

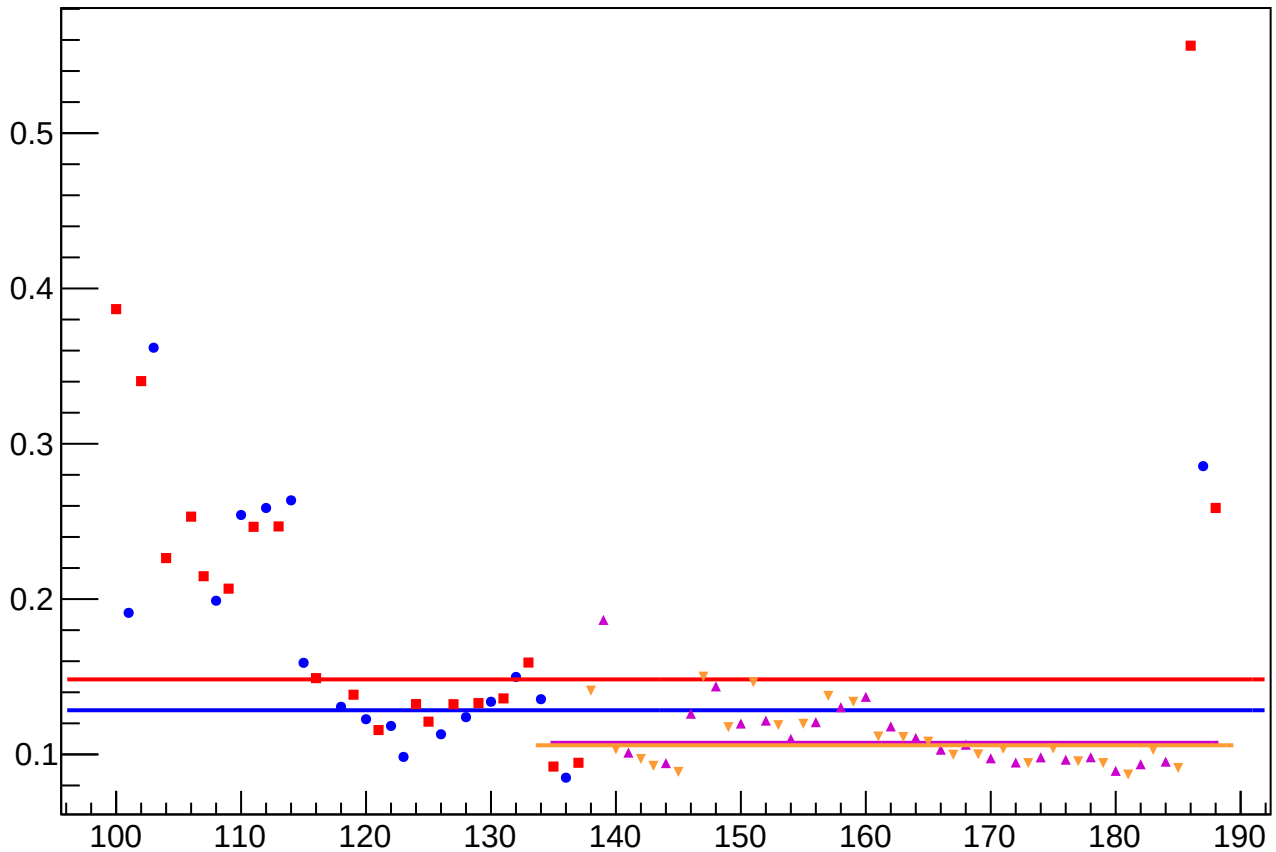
- sign 0.011 ± 0.000 χ^2/NDF : 4063104.8/43

yield_sam2_mean vs Slug



Right In: 22.299+/-0.000	χ^2/NDF : 941922474.8/17	+ sign 25.589+/-0.000	χ^2/NDF : 9785823885.7/42
Left Out: 26.318+/-0.000	χ^2/NDF : 4715403741.0/24	All: 25.659+/-0.000	χ^2/NDF : 18895090860.8
Right Out: 22.118+/-0.000	χ^2/NDF : 1168174457.8/20	- sign 25.735+/-0.000	χ^2/NDF : 9091780326.0/43
Left In: 26.540+/-0.000	χ^2/NDF : 3309392772.6/22		

yield_sam2_rms vs Slug



Right In: 0.128 ± 0.000 $\chi^2/\text{NDF}: 1577932.7/17$

Left Out: 0.106 ± 0.000 $\chi^2/\text{NDF}: 732883.8/24$

Right Out: 0.148 ± 0.000 $\chi^2/\text{NDF}: 2180651.5/20$

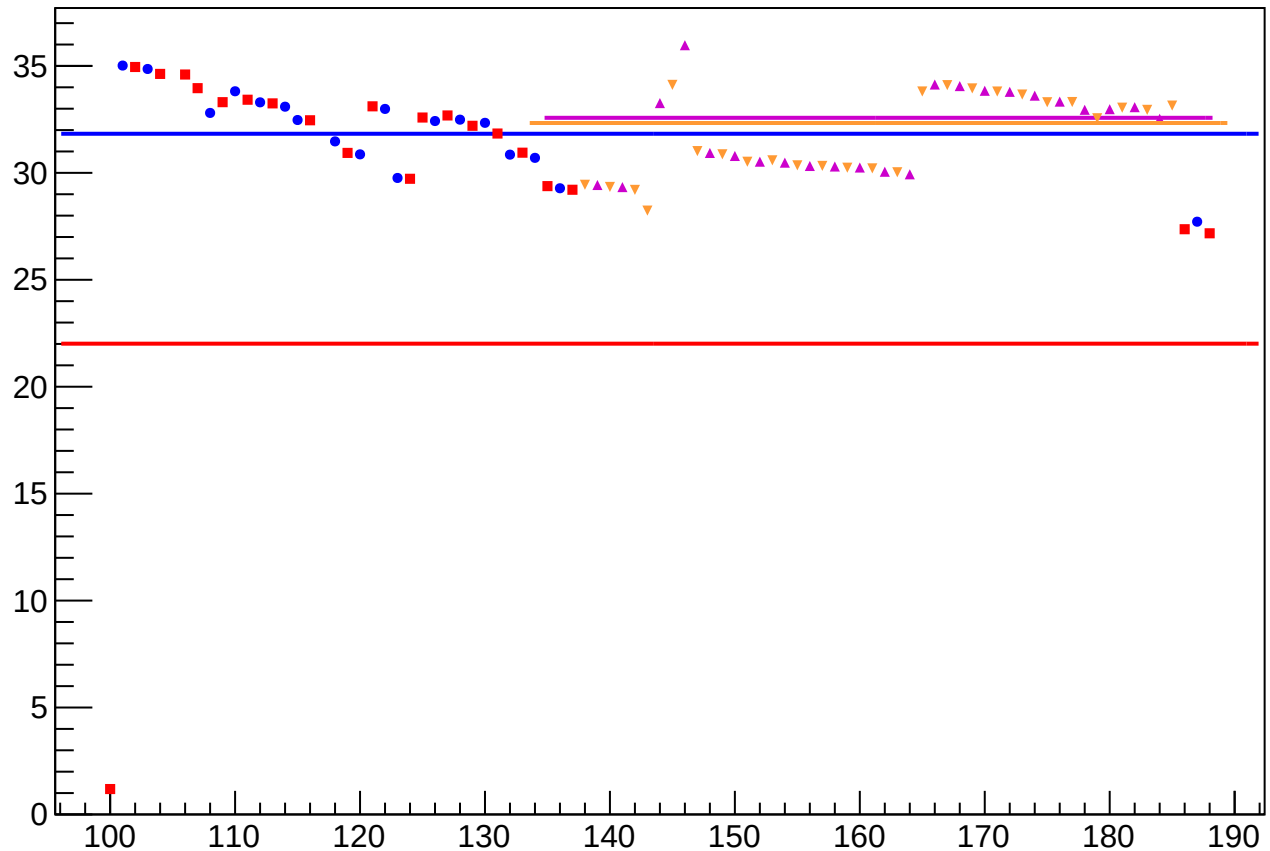
Left In: 0.107 ± 0.000 $\chi^2/\text{NDF}: 771132.0/22$

+ sign 0.110 ± 0.000 $\chi^2/\text{NDF}: 2570724.5/42$

All: 0.112 ± 0.000 $\chi^2/\text{NDF}: 6349715.6/86$

- sign 0.115 ± 0.000 $\chi^2/\text{NDF}: 3738750.8/43$

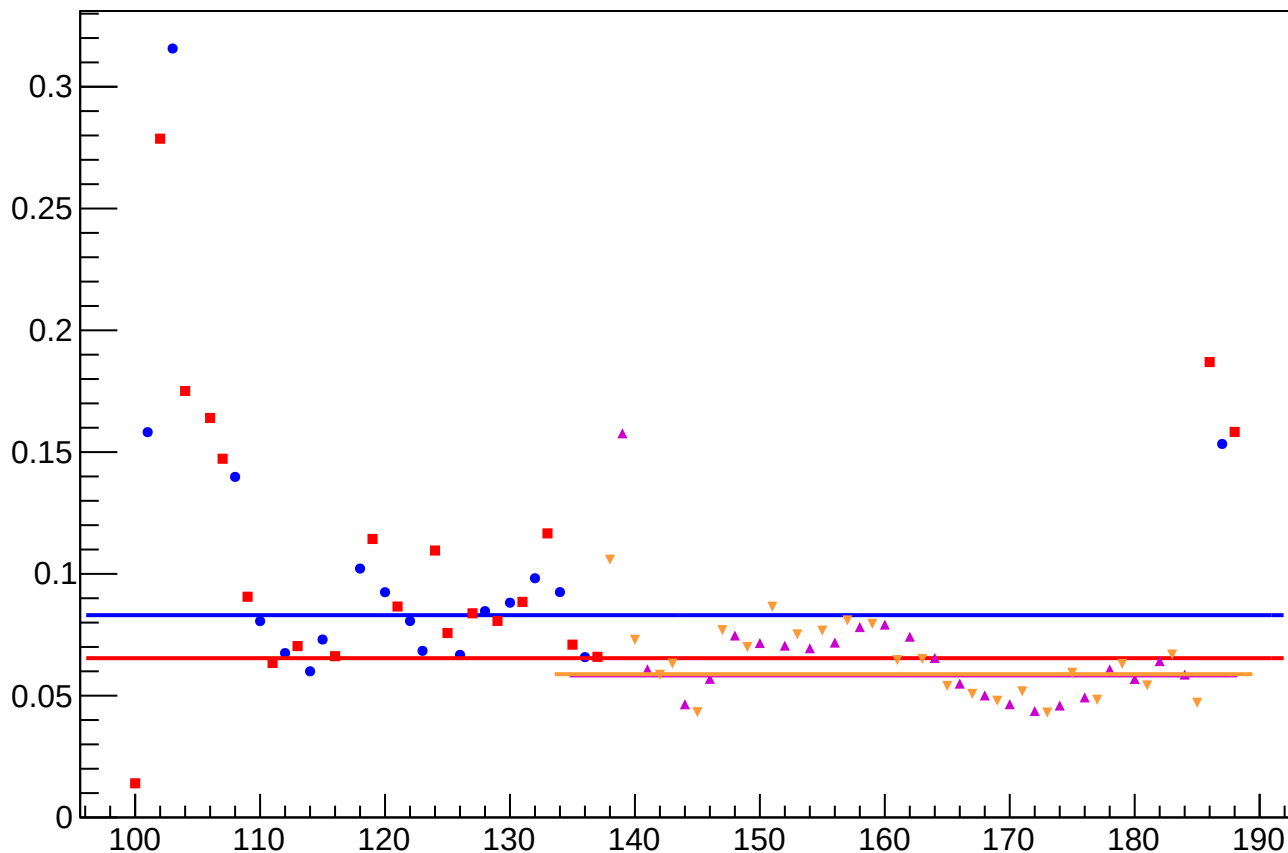
yield_sam3_mean vs Slug



Right In: 31.828 $\pm$ 0.000 χ^2 /NDF: 2003337251.5/17
 Left Out: 32.331 $\pm$ 0.000 χ^2 /NDF:12850475096.2/24
 Right Out: 22.013 $\pm$ 0.000 χ^2 /NDF: 230186612474.1/20
 Left In: 32.574 $\pm$ 0.000 χ^2 /NDF:11797772603.7/22

+ sign 32.256 $\pm$ 0.000 χ^2 /NDF: 15009580918.9/42
 All: 31.234 $\pm$ 0.000 χ^2 /NDF: 362948791288.
 - sign 30.253 $\pm$ 0.000 χ^2 /NDF: 338072575700.1/43

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1241576.6/17

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.065 $\pm$ 0.000 χ^2 /NDF: 4525849.9/20

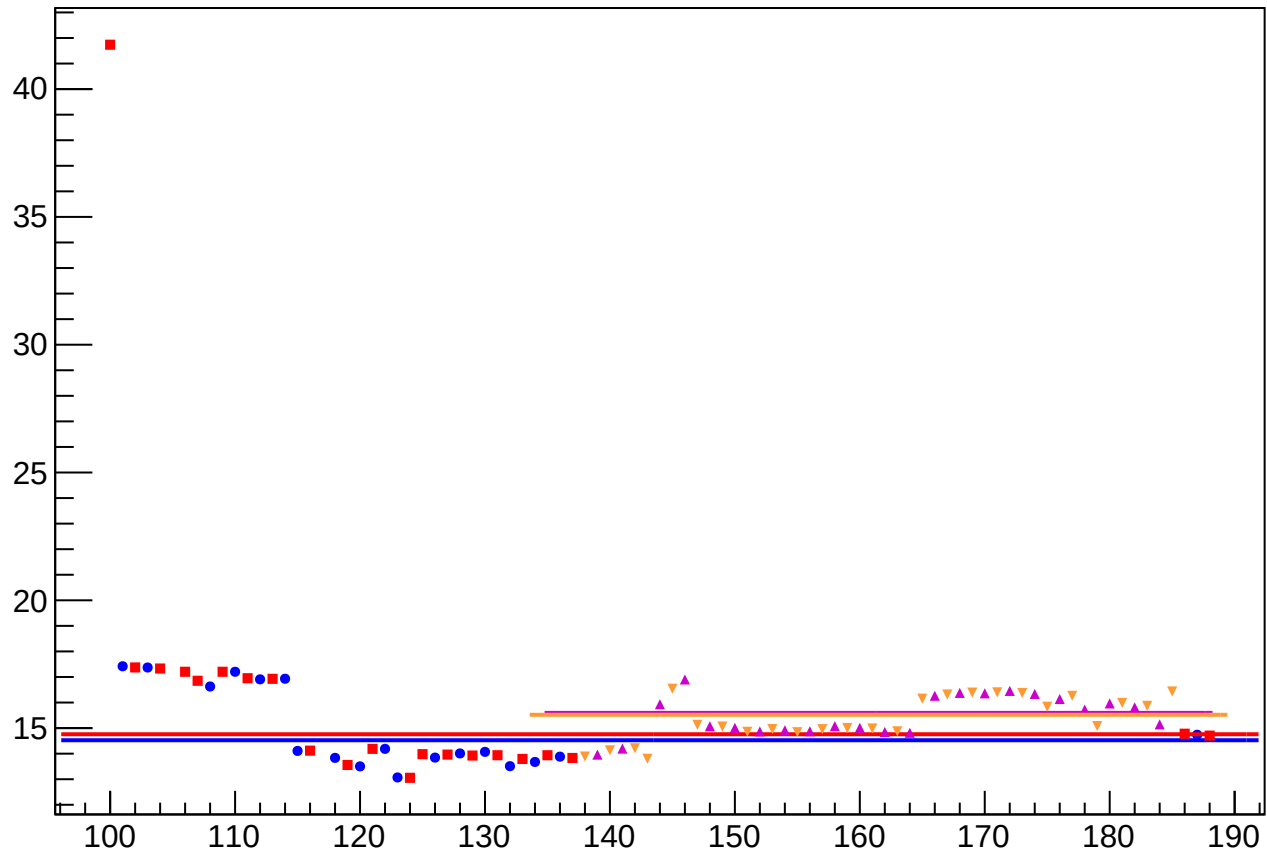
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.062 $\pm$ 0.000 χ^2 /NDF: 3366216.6/42

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 9537184.0/86

- sign 0.060 $\pm$ 0.000 χ^2 /NDF: 6137830.0/43

yield_sam4_mean vs Slug



Right In: 14.525+/-0.000 χ^2/NDF : 1485663520.9/17

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.759+/-0.000 χ^2/NDF : 1903195507.8/20

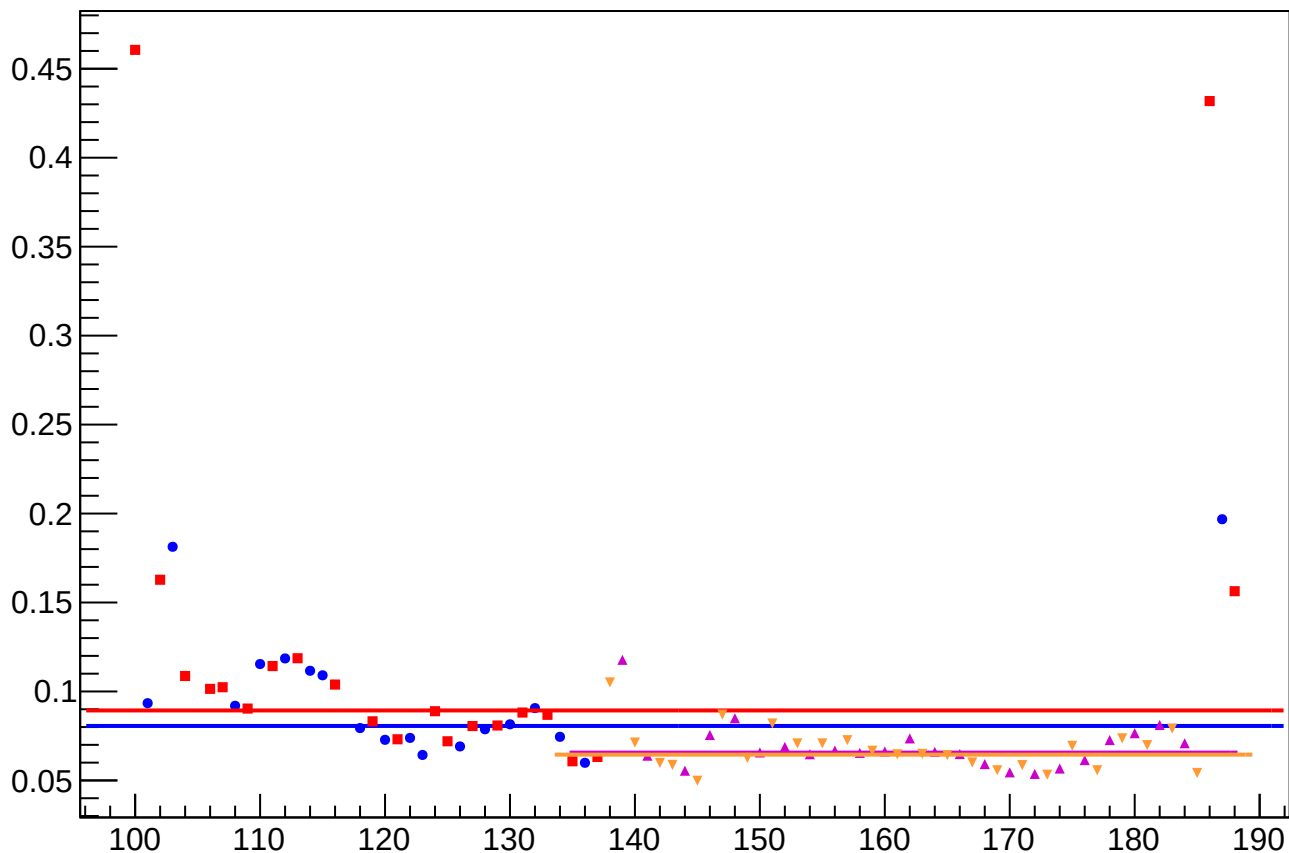
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.335+/-0.000 χ^2/NDF : 4772091322.1/42

All: 15.381+/-0.000 χ^2/NDF : 9075240672.5/8

- sign 15.432+/-0.000 χ^2/NDF : 4282411148.0/43

yield_sam4_rms vs Slug



Right In: 0.081 $\pm$ 0.000 χ^2 /NDF: 877047.5/17

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 1534262.9/20

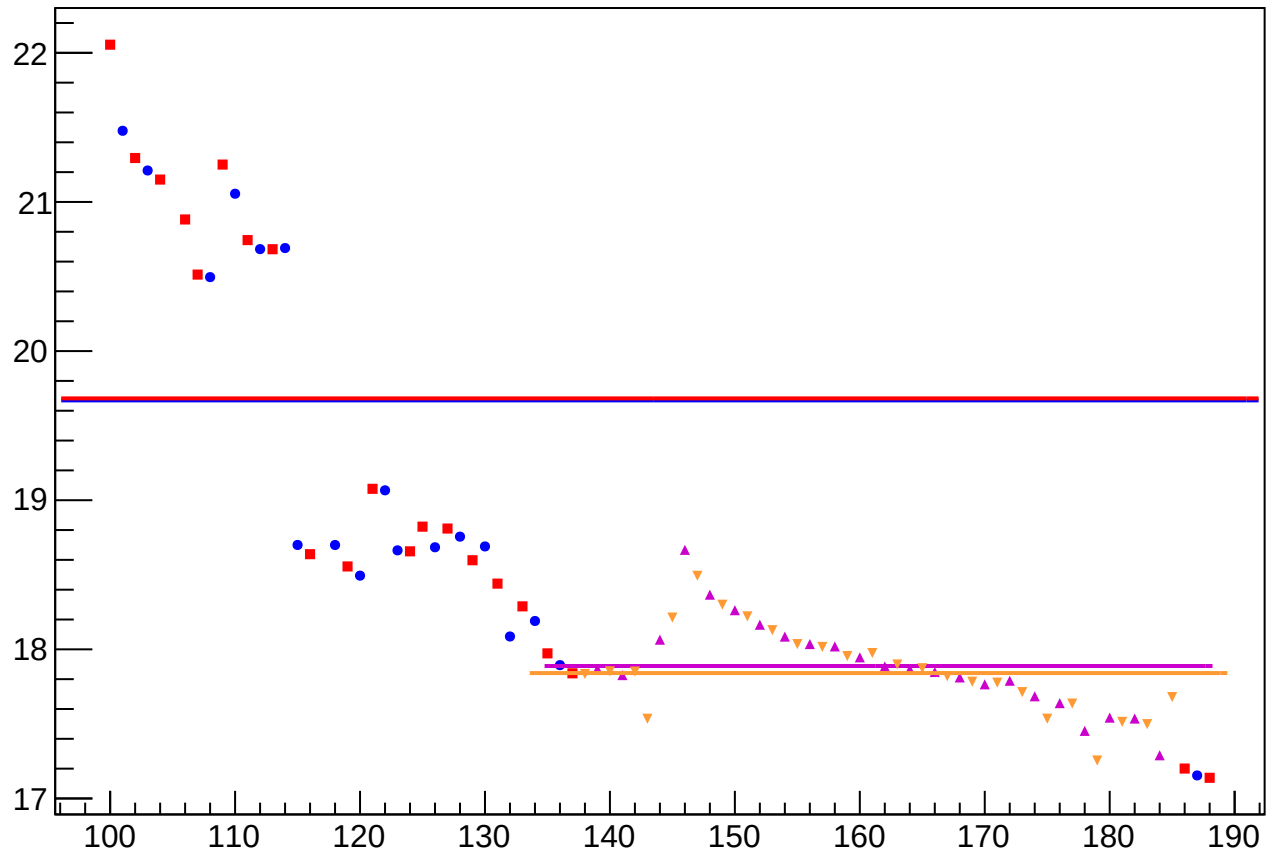
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.068 $\pm$ 0.000 χ^2 /NDF: 2002995.1/42

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 5041778.1/86

- sign 0.070 $\pm$ 0.000 χ^2 /NDF: 3004568.9/43

yield_sam5_mean vs Slug



Right In: 19.669 $\pm$ 0.000 χ^2 /NDF: 12454293324.4/17

Left Out: 17.841 $\pm$ 0.000 χ^2 /NDF: 1283287989.7/24

Right Out: 19.683 $\pm$ 0.000 χ^2 /NDF: 14539157602.4/20

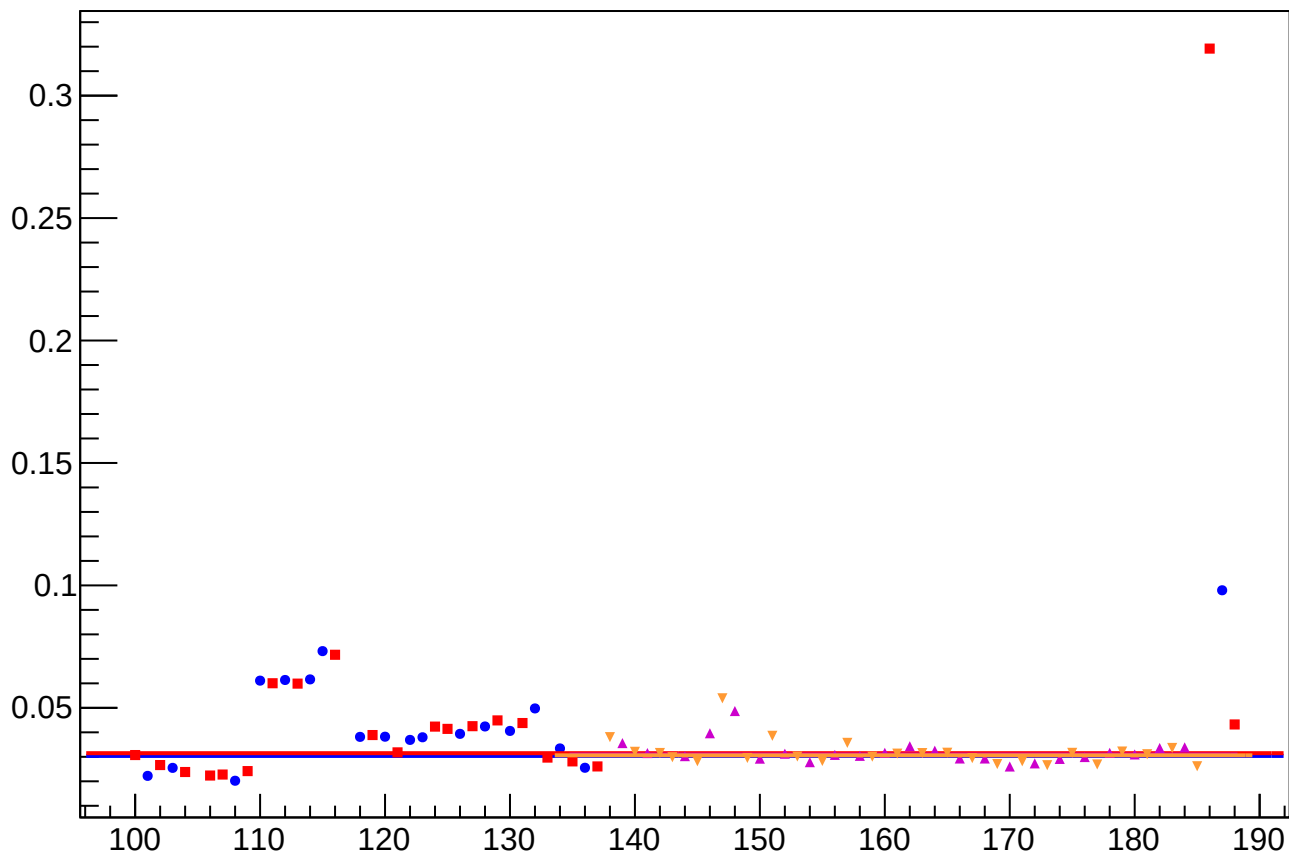
Left In: 17.888 $\pm$ 0.000 χ^2 /NDF: 1203002311.3/22

+ sign 18.293 $\pm$ 0.000 χ^2 /NDF: 29140767214.1/42

All: 18.342 $\pm$ 0.000 χ^2 /NDF: 60691424774.7

- sign 18.392 $\pm$ 0.000 χ^2 /NDF: 31431385315.1/43

yield_sam5_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 1454013.3/17

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 1891002.4/20

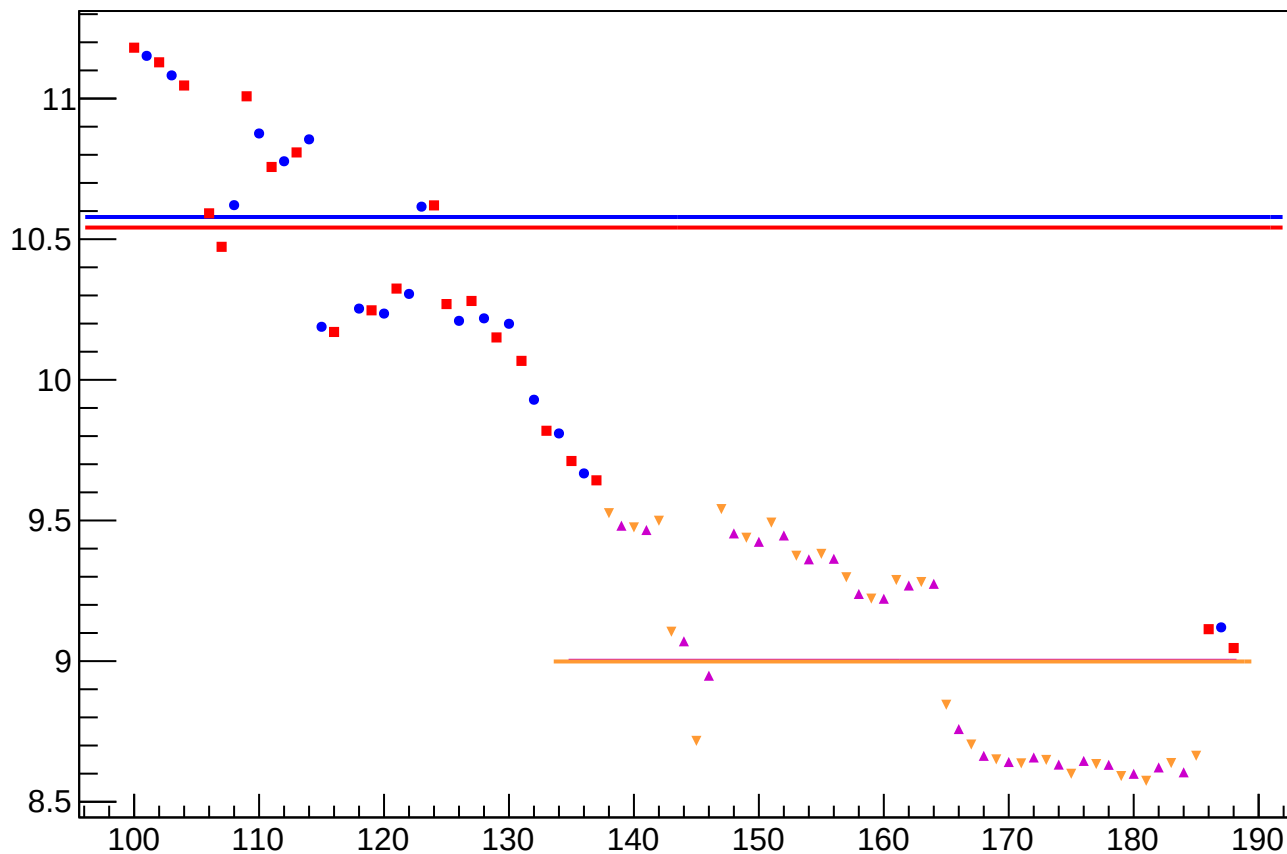
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2045029.4/42

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 4399453.8/86

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2347864.3/43

yield_sam6_mean vs Slug



Right In: 10.579 $\pm$ 0.000 χ^2 /NDF: 7612930737.4/17

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.541 $\pm$ 0.000 χ^2 /NDF: 7187676481.8/20

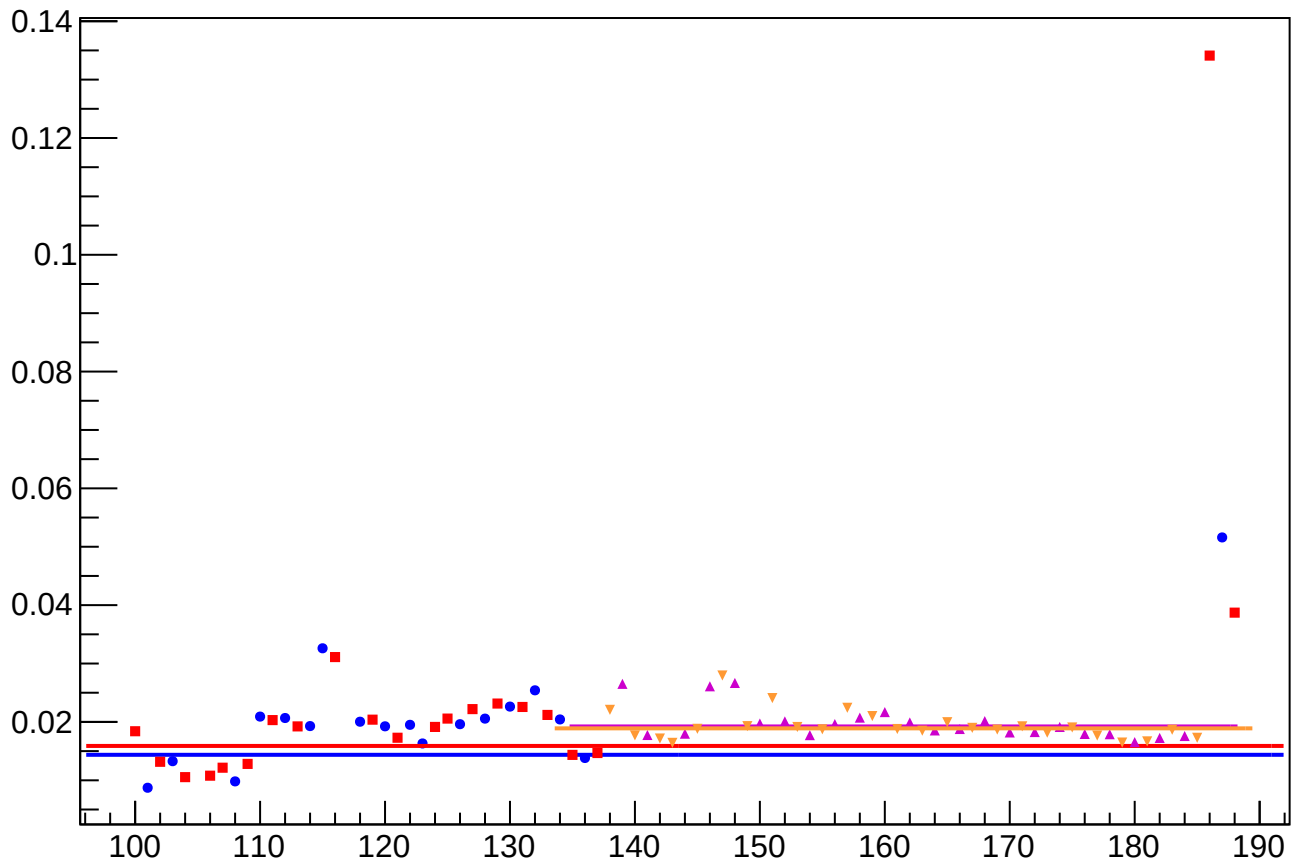
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.563 $\pm$ 0.000 χ^2 /NDF: 55882262816.2/42

All: 9.572 $\pm$ 0.000 χ^2 /NDF: 106610110747.8

- sign 9.581 $\pm$ 0.000 χ^2 /NDF: 50716376419.6/43

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1552960.0/17

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 428169.5/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 2163855.9/20

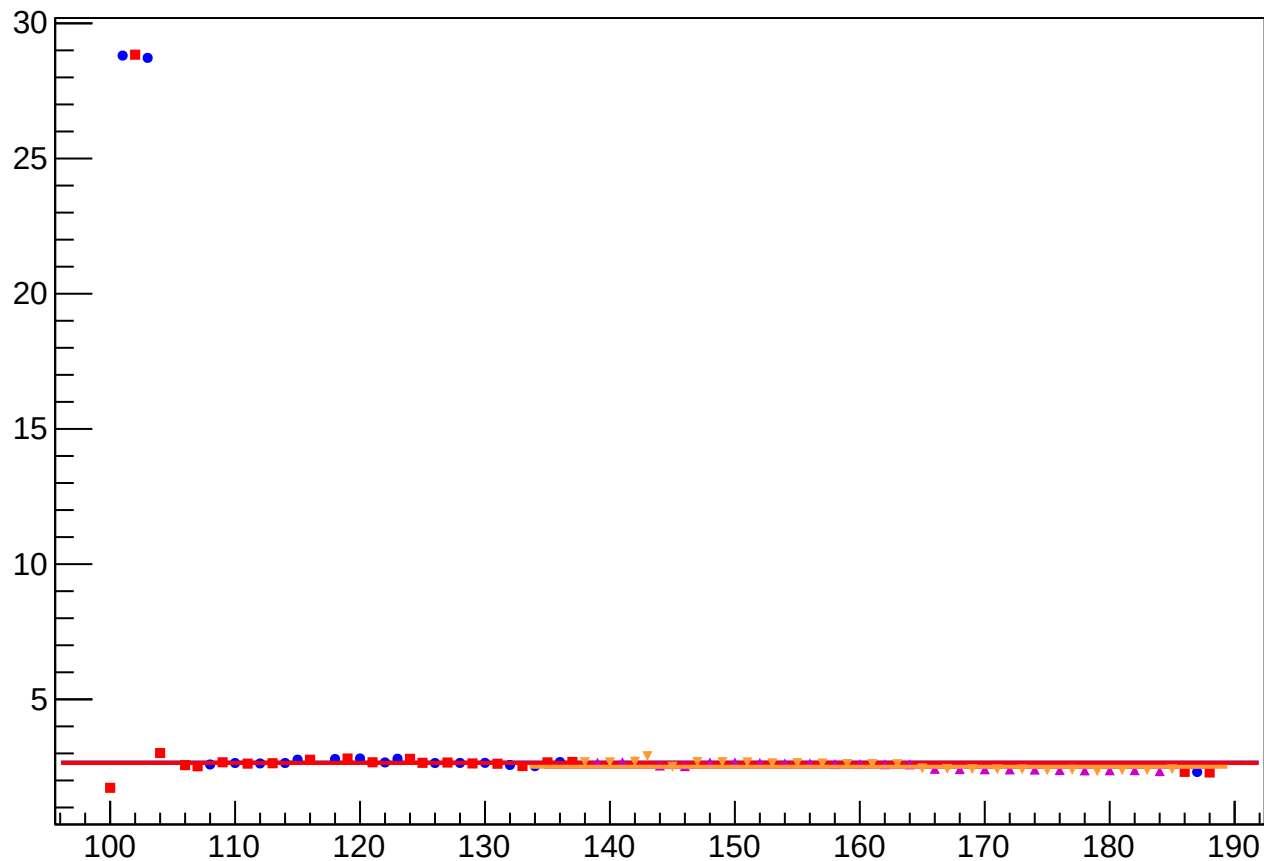
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 481824.0/22

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2669622.9/42

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 5707844.7/86

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 3004640.6/43

yield_sam7_mean vs Slug



Right In: 2.662 $\pm$ 0.000 χ^2 /NDF: 163935870848.5/17

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.649 $\pm$ 0.000 χ^2 /NDF: 76657620676.0/20

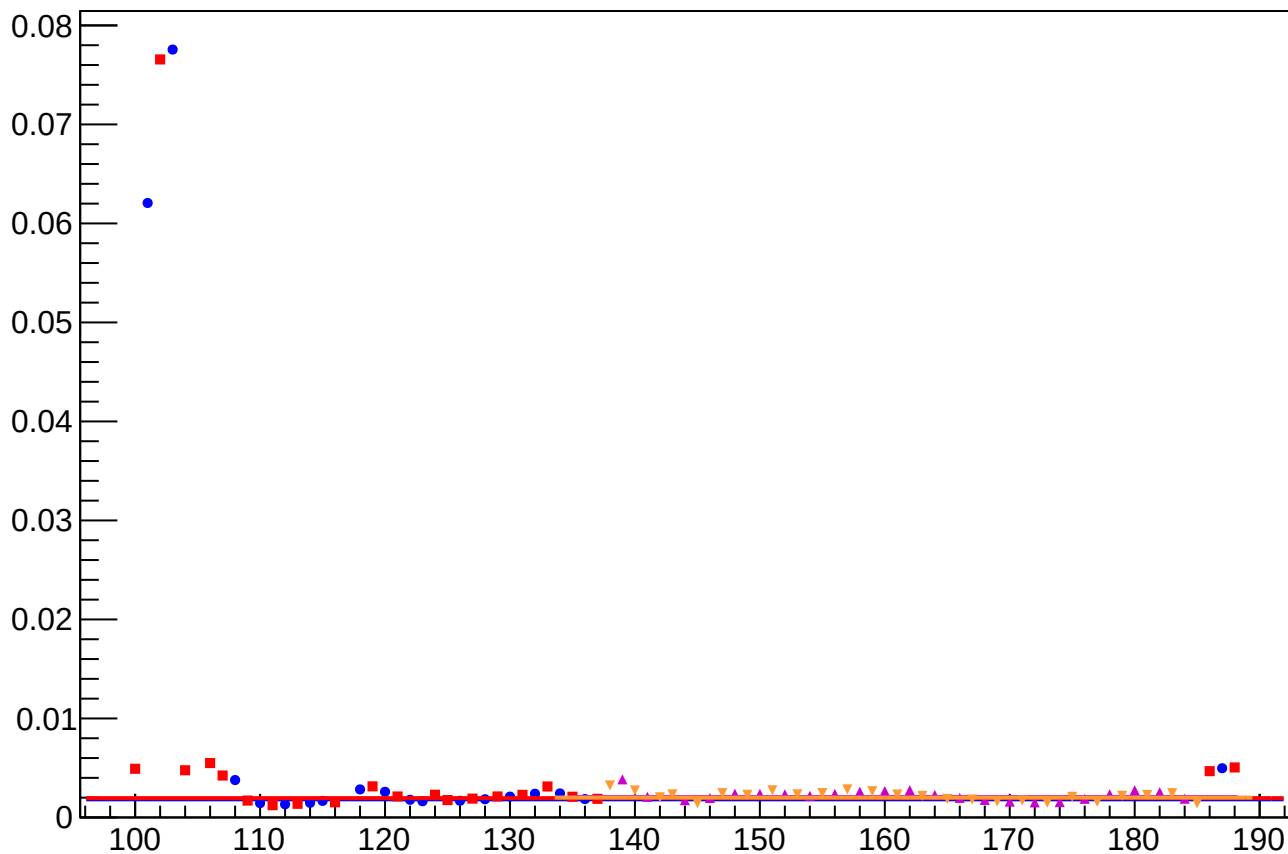
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.549 $\pm$ 0.000 χ^2 /NDF: 252114178572.0/42

All: 2.549 $\pm$ 0.000 χ^2 /NDF: 392442295177.5

- sign 2.549 $\pm$ 0.000 χ^2 /NDF: 140327347551.2/43

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2774648.0/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3245386.8/20

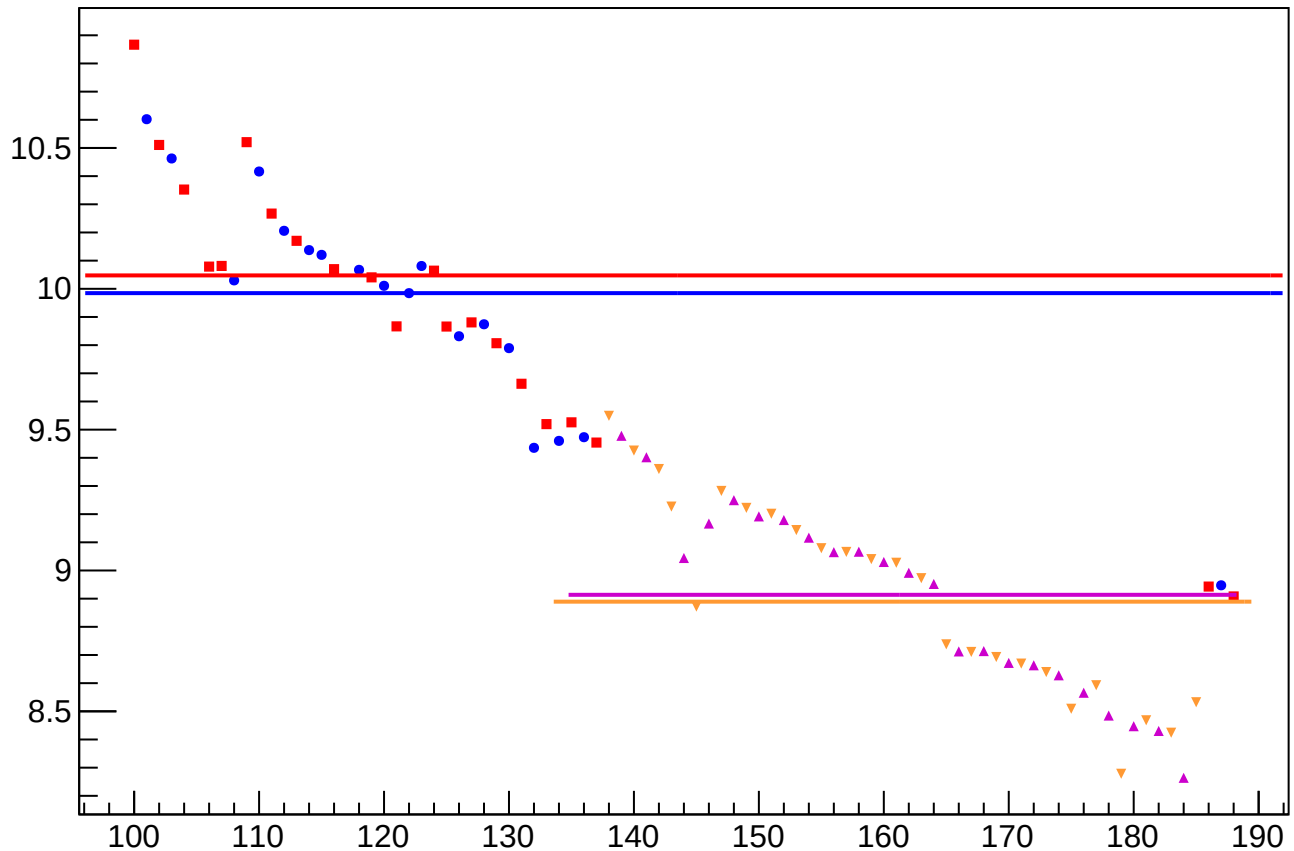
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4304721.9/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 8898337.6/86

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4571492.1/43

yield_sam8_mean vs Slug



Right In: 9.985 $\pm$ 0.000 χ^2 /NDF: 19764624599.8/17

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 10.048 $\pm$ 0.000 χ^2 /NDF: 22279932916.9/20

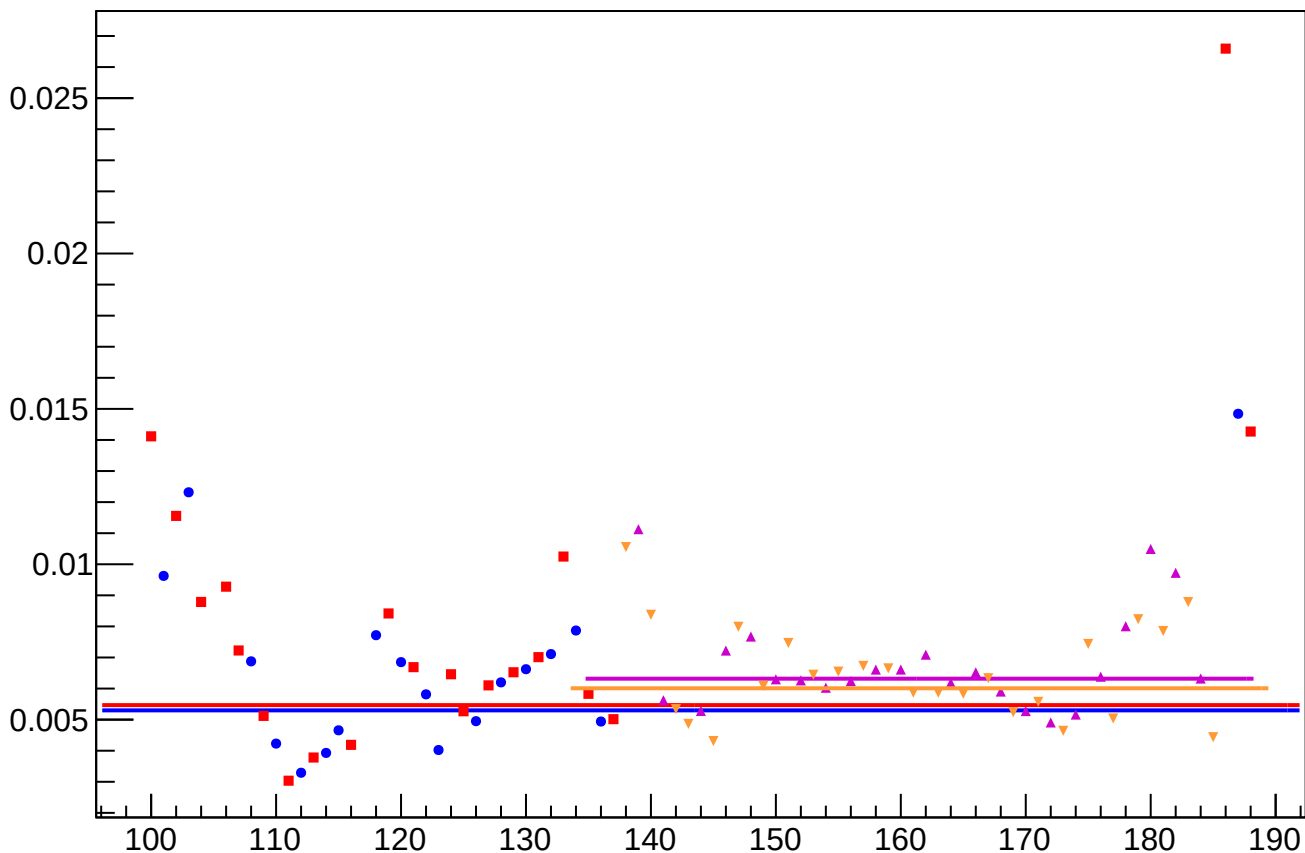
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.230 $\pm$ 0.000 χ^2 /NDF: 204732965781.2/42

All: 9.275 $\pm$ 0.000 χ^2 /NDF: 419362994397.5

- sign 9.323 $\pm$ 0.000 χ^2 /NDF: 212217333832.9/43

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1369409.9/17

Left Out: 0.006+/-0.000 χ^2/NDF :1312525.9/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2805946.0/20

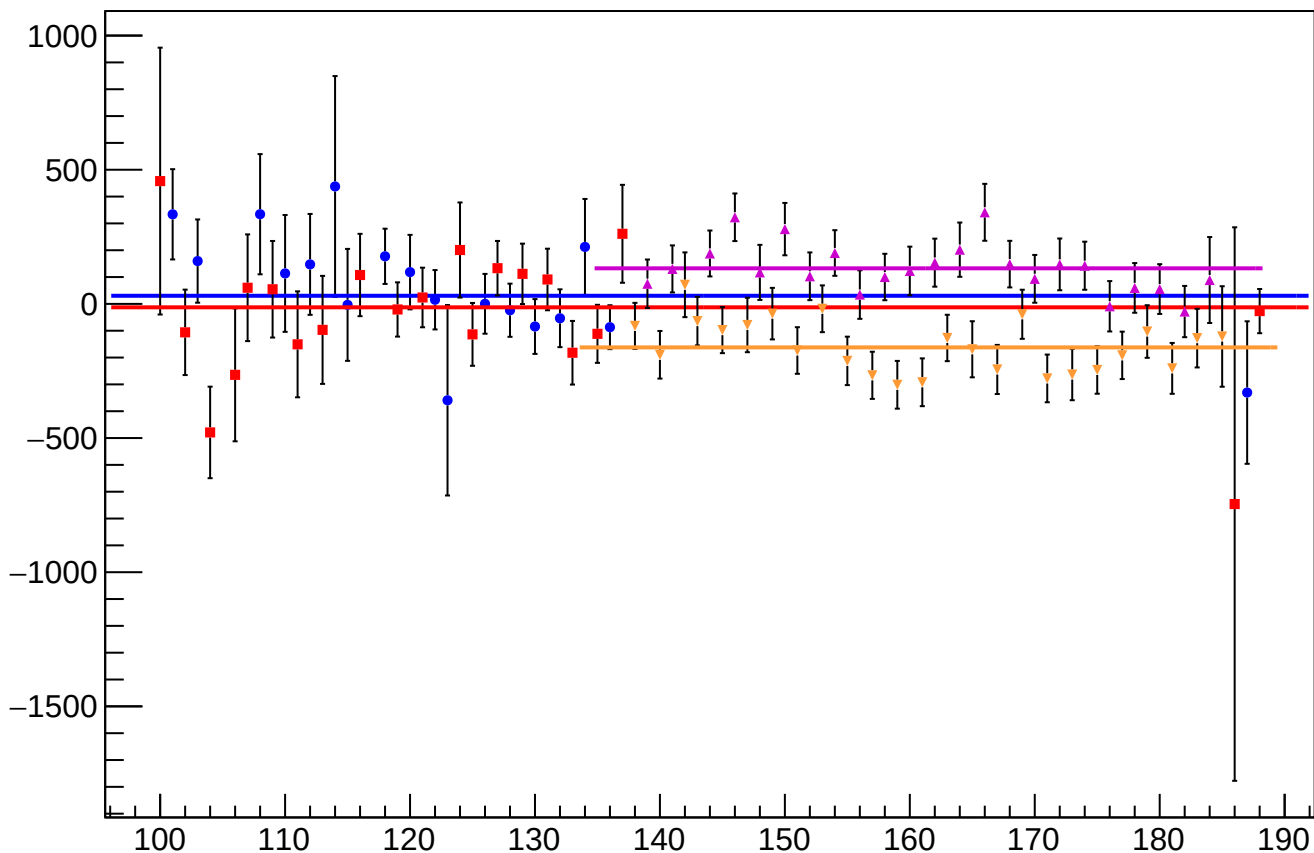
Left In: 0.006+/-0.000 χ^2/NDF :1087051.3/22

+ sign 0.006+/-0.000 χ^2/NDF : 2808507.8/42

All: 0.006+/-0.000 χ^2/NDF : 6911325.0/86

- sign 0.006+/-0.000 χ^2/NDF : 4074706.5/43

reg_asym_sam1_mean vs Slug



Right In: 30.263 ± 32.105 χ^2/NDF : 18.2/17

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -12.784 ± 29.968 χ^2/NDF : 23.4/20

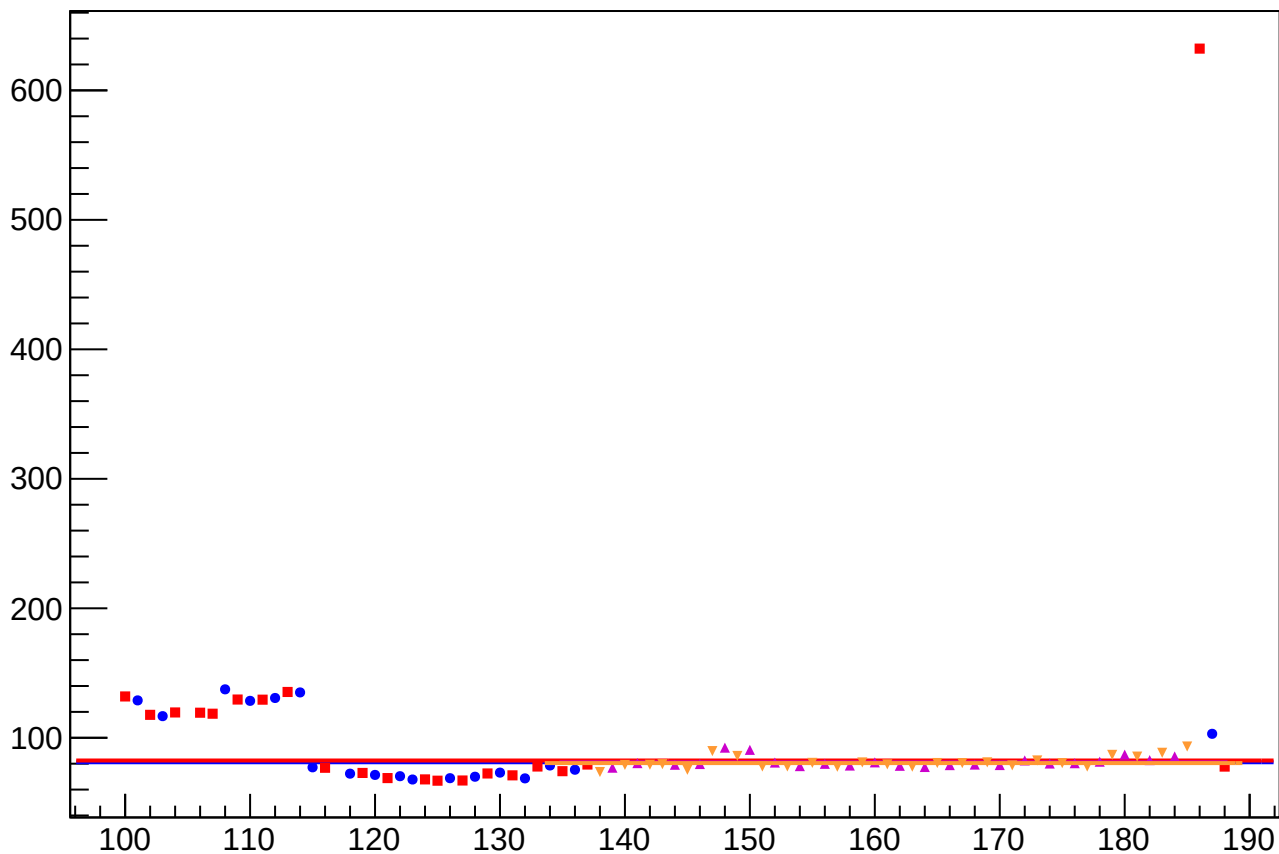
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -113.241 ± 16.188 χ^2/NDF : 70.6/42

All: -12.431 ± 11.481 χ^2/NDF : 209.4/86

- sign 89.625 ± 16.287 χ^2/NDF : 60.7/43

reg_asym_sam1_rms vs Slug



Right In: 81.107 $\pm$ 0.023 χ^2 /NDF: 821666.5/17

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 82.463 $\pm$ 0.021 χ^2 /NDF: 1483188.0/20

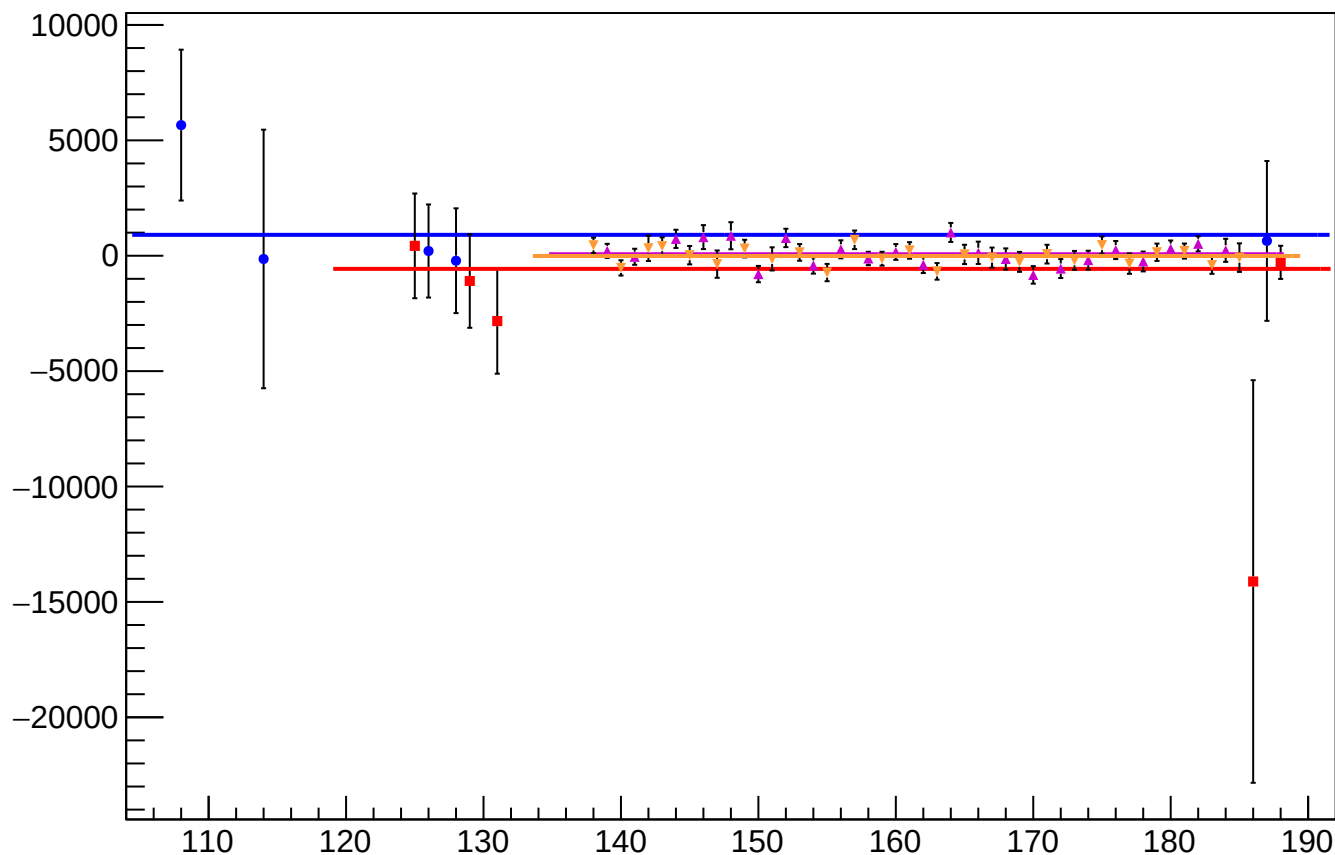
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 80.623 $\pm$ 0.011 χ^2 /NDF: 912216.2/42

All: 81.030 $\pm$ 0.008 χ^2 /NDF: 2473489.1/86

- sign 81.442 $\pm$ 0.012 χ^2 /NDF: 1558732.5/43

asym_sam1_correction_mean vs Slug



Right In: 905.838 ± 1241.497 χ^2/NDF : 2.5/4

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -568.981 ± 622.829 χ^2/NDF : 3.8/4

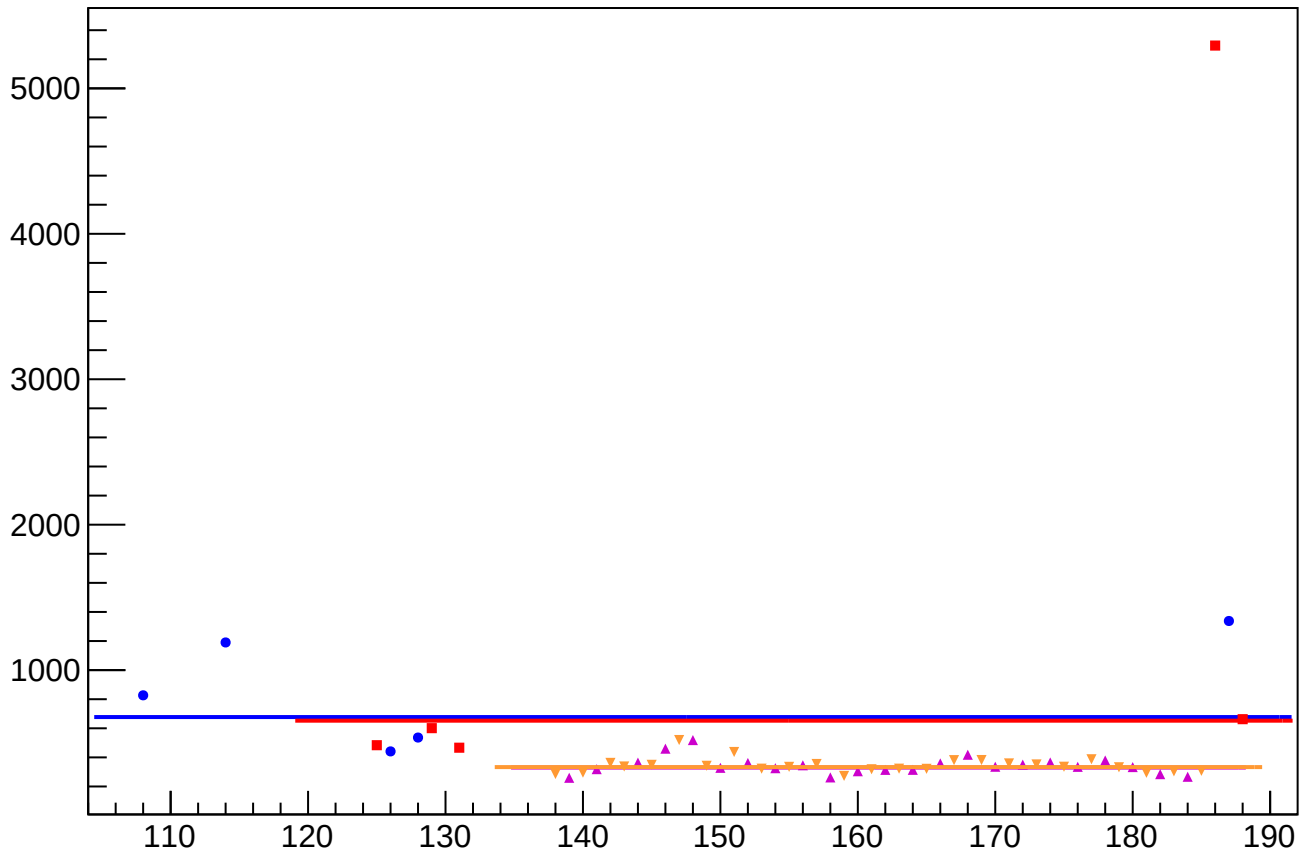
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -6.847 ± 78.235 χ^2/NDF : 25.6/29

All: 23.275 ± 55.726 χ^2/NDF : 68.1/57

- sign 54.296 ± 79.394 χ^2/NDF : 42.2/27

asym_sam1_correction_rms vs Slug



Right In: 677.327+/-0.878 χ^2/NDF : 128842.0/4

Left Out: 333.233+/-0.055 χ^2/NDF : 592122.2/24

Right Out: 652.392+/-0.440 χ^2/NDF : 592412.7/4

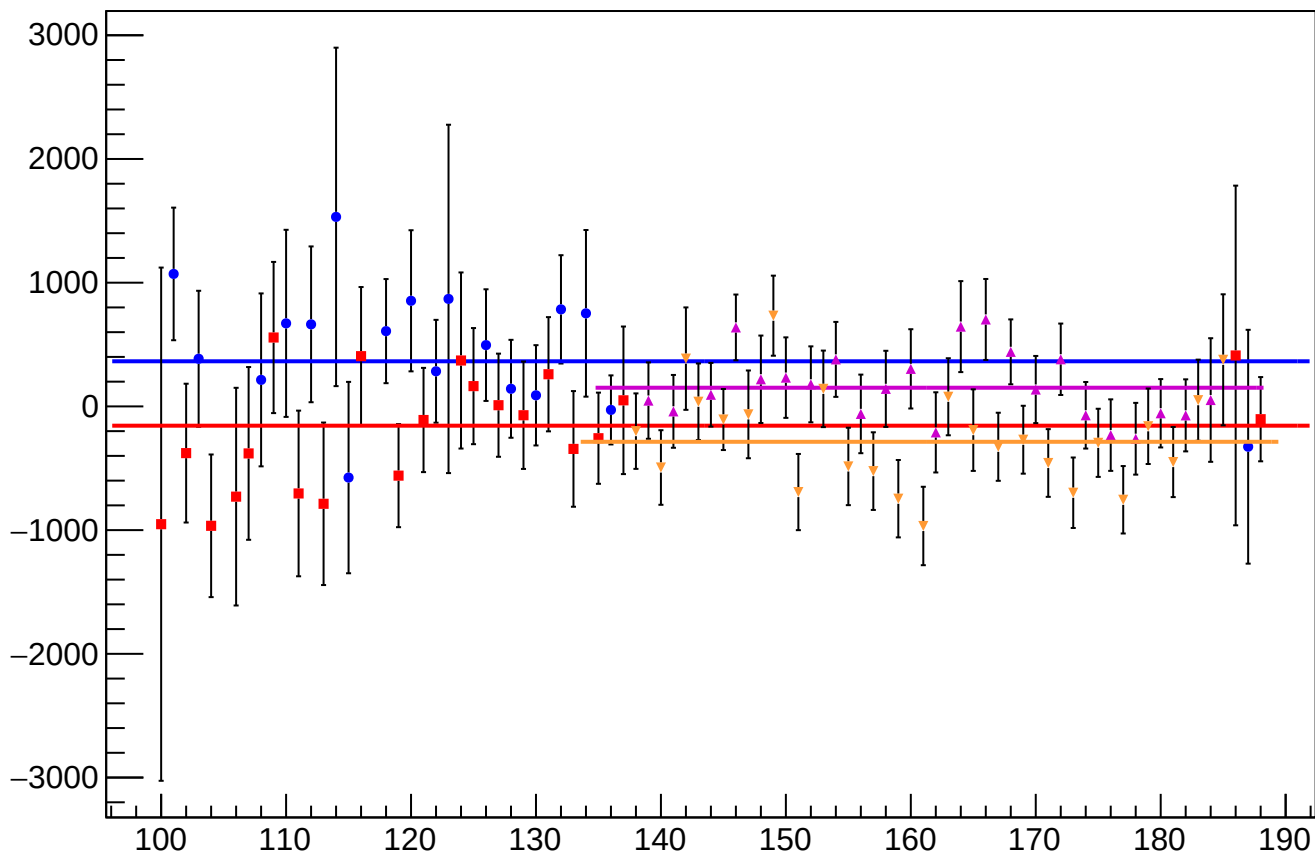
Left In: 329.985+/-0.057 χ^2/NDF : 795969.0/22

+ sign 334.600+/-0.055 χ^2/NDF : 873990.2/29

All: 334.907+/-0.039 χ^2/NDF : 2789647.8/57

- sign 335.224+/-0.056 χ^2/NDF : 1915594.8/27

reg_asym_sam2_mean vs Slug



Right In: 364.700 $\pm$ 120.305 χ^2 /NDF: 10.2/17

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: -155.882 $\pm$ 113.398 χ^2 /NDF: 10.3/20

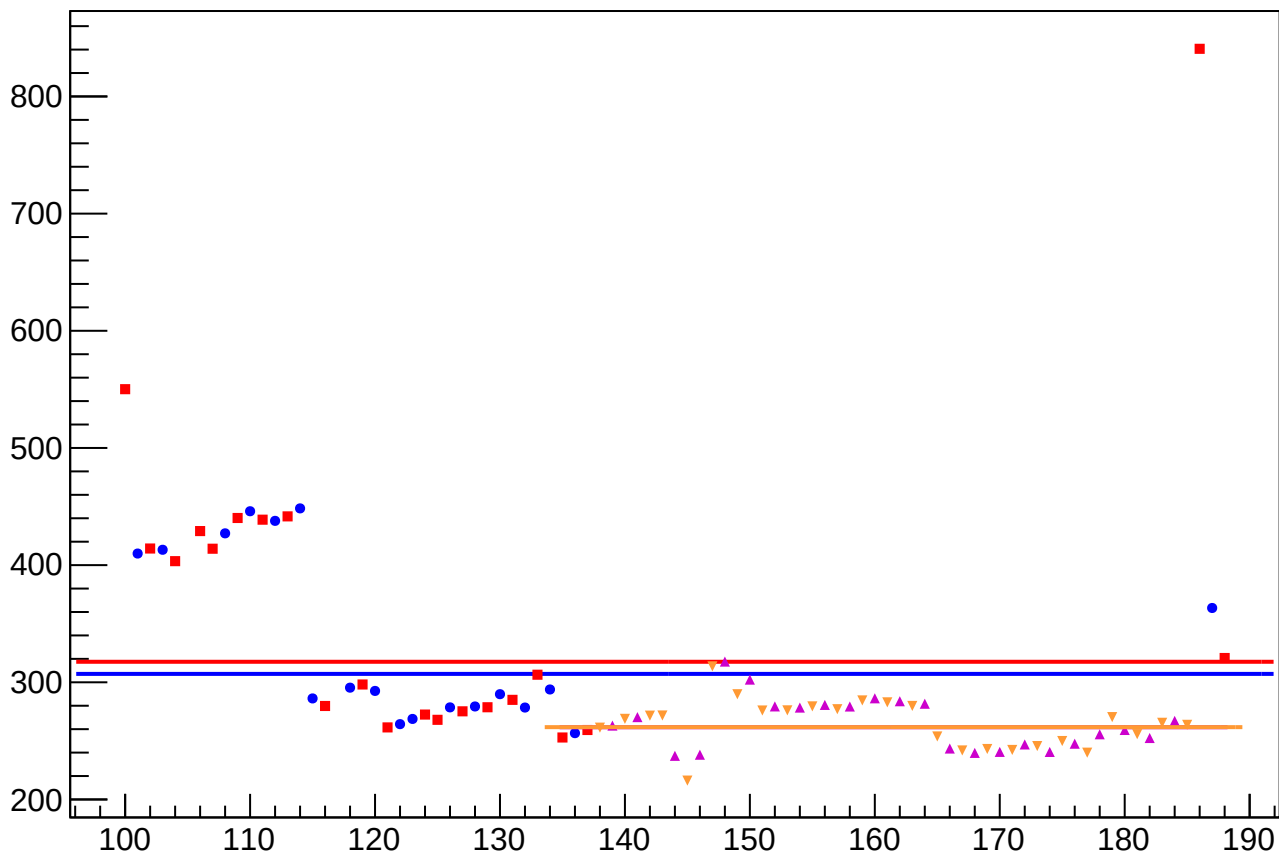
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -152.618 $\pm$ 54.473 χ^2 /NDF: 70.1/42

All: -37.878 $\pm$ 38.686 χ^2 /NDF: 113.6/86

- sign 78.879 $\pm$ 54.950 χ^2 /NDF: 34.6/43

reg_asym_sam2_rms vs Slug



Right In: 307.168+/-0.085 χ^2/NDF : 512297.0/17

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 317.517+/-0.080 χ^2/NDF : 914859.8/20

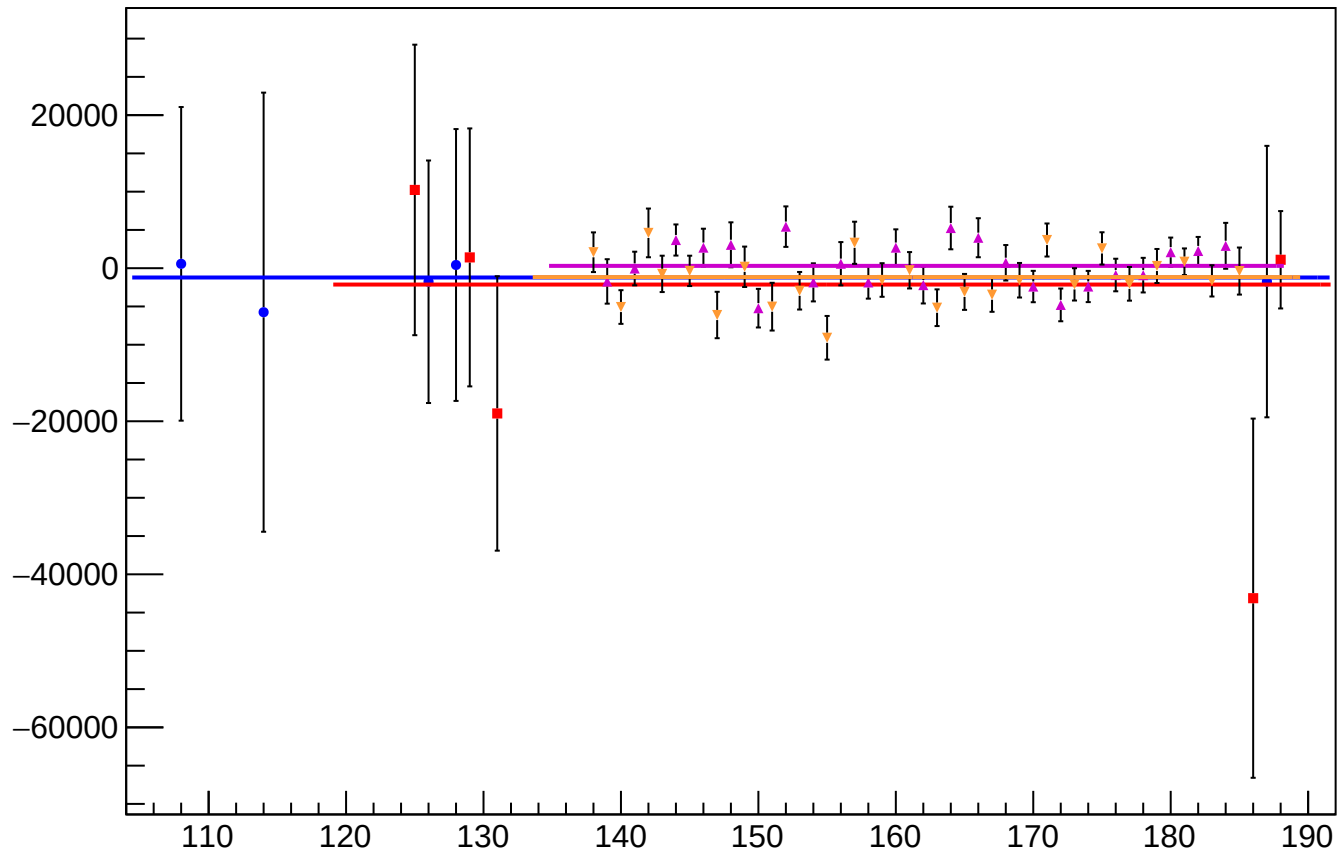
Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

+ sign 271.039+/-0.039 χ^2/NDF : 972408.4/42

All: 272.882+/-0.027 χ^2/NDF : 2491758.0/86

- sign 274.758+/-0.039 χ^2/NDF : 1514728.9/43

asym_sam2_correction_mean vs Slug



Right In: -1215.089 ± 8473.188 $\chi^2/\text{NDF}: 0.0/4$

Left Out: -1161.443 ± 469.036 $\chi^2/\text{NDF}: 38.8/24$

Right Out: -2137.393 ± 5275.469 $\chi^2/\text{NDF}: 4.7/4$

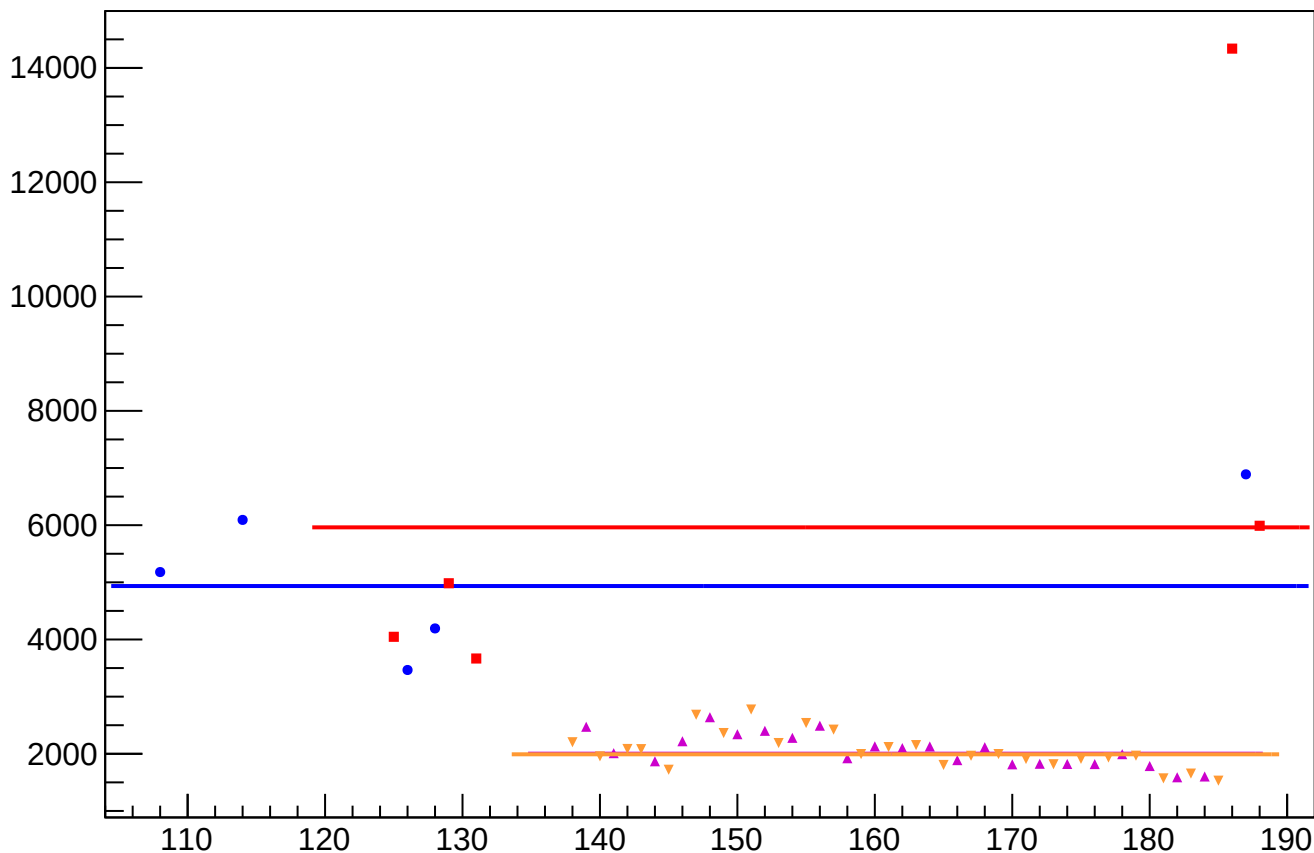
Left In: 304.366 ± 483.778 $\chi^2/\text{NDF}: 35.4/22$

+ sign -1161.606 ± 468.319 $\chi^2/\text{NDF}: 38.8/29$

All: -459.244 ± 335.802 $\chi^2/\text{NDF}: 83.7/57$

- sign 284.003 ± 481.757 $\chi^2/\text{NDF}: 40.2/27$

asym_sam2_correction_rms vs Slug



Right In: 4935.257 $\pm$ 5.991 χ^2/NDF : 48497.2/4

Left Out: 1991.105 $\pm$ 0.332 χ^2/NDF : 726310.6/24

Right Out: 5961.901 $\pm$ 3.730 χ^2/NDF : 314663.3/4

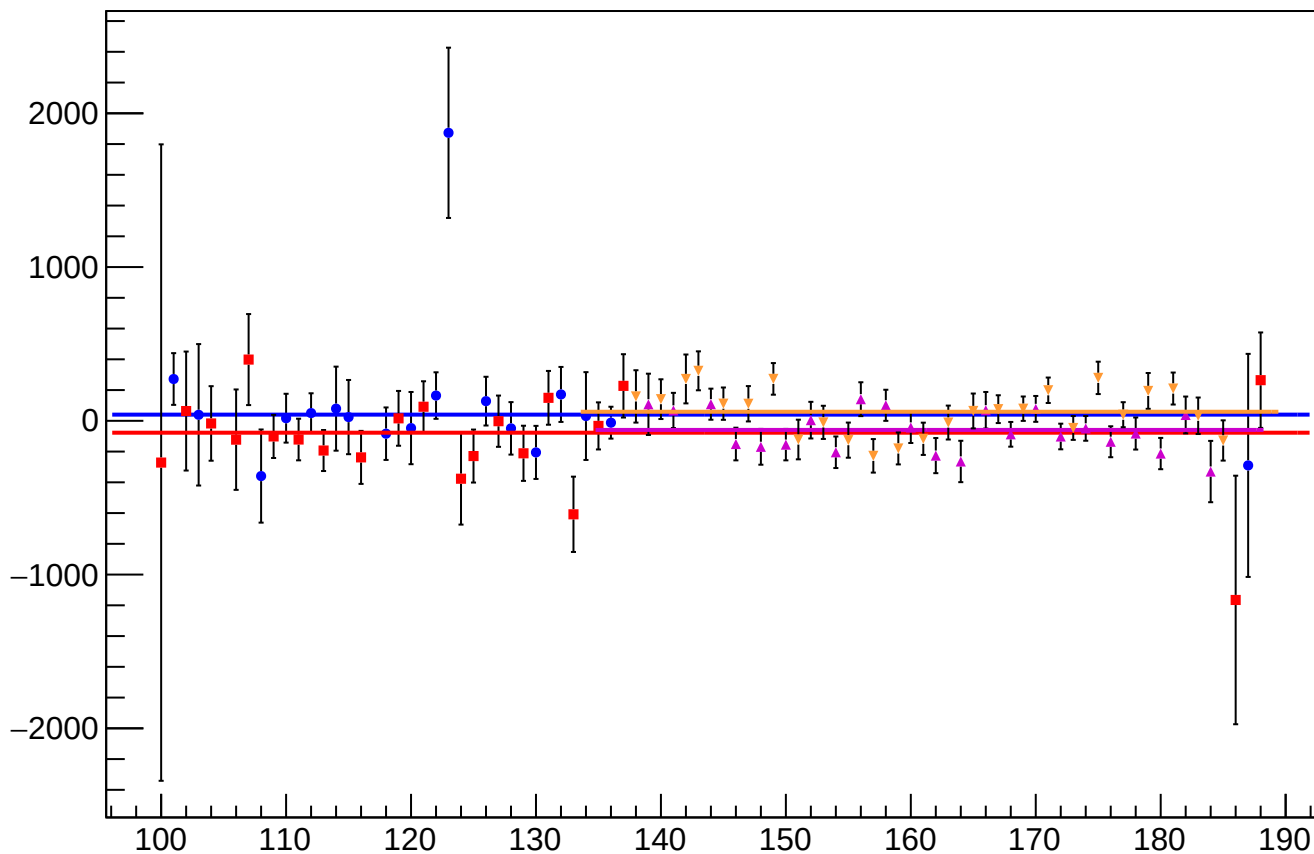
Left In: 2002.154 $\pm$ 0.342 χ^2/NDF : 585947.4/22

+ sign 2000.099 $\pm$ 0.331 χ^2/NDF : 1015536.6/29

All: 2017.141 $\pm$ 0.237 χ^2/NDF : 3038991.3/57

- sign 2035.176 $\pm$ 0.341 χ^2/NDF : 2018003.4/27

reg_asym_sam3_mean vs Slug



Right In: 40.249 $\pm$ 43.554 χ^2 /NDF: 19.6/17

Left Out: 58.983 $\pm$ 21.137 χ^2 /NDF: 46.9/24

Right Out: -77.293 $\pm$ 42.740 χ^2 /NDF: 20.1/20

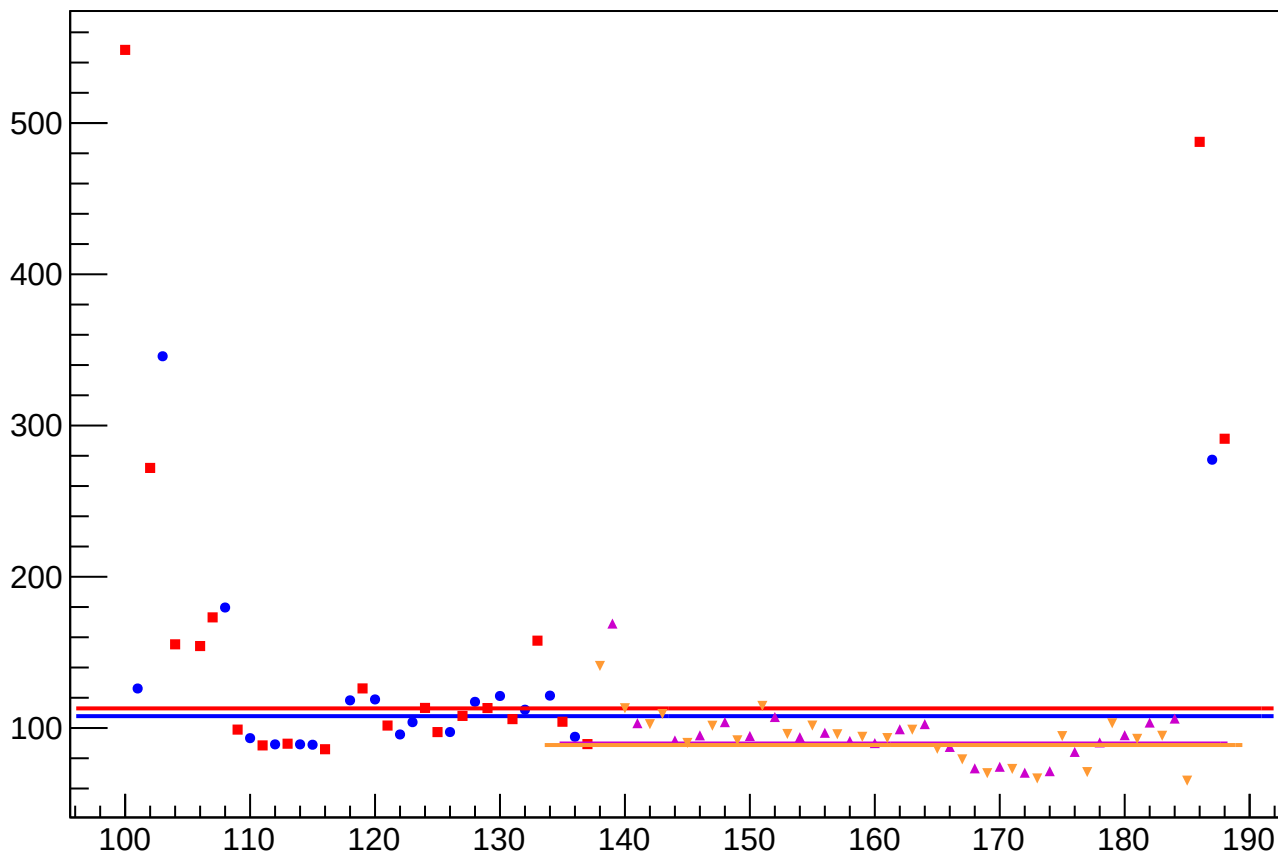
Left In: -59.235 $\pm$ 21.921 χ^2 /NDF: 29.4/22

+ sign 55.411 $\pm$ 19.016 χ^2 /NDF: 66.7/42

All: -2.289 $\pm$ 13.616 χ^2 /NDF: 135.2/86

- sign -62.996 $\pm$ 19.505 χ^2 /NDF: 49.6/43

reg_asym_sam3_rms vs Slug



Right In: 107.845 $\pm$ 0.031 χ^2 /NDF: 953152.9/17

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 112.973 $\pm$ 0.030 χ^2 /NDF: 2029053.7/20

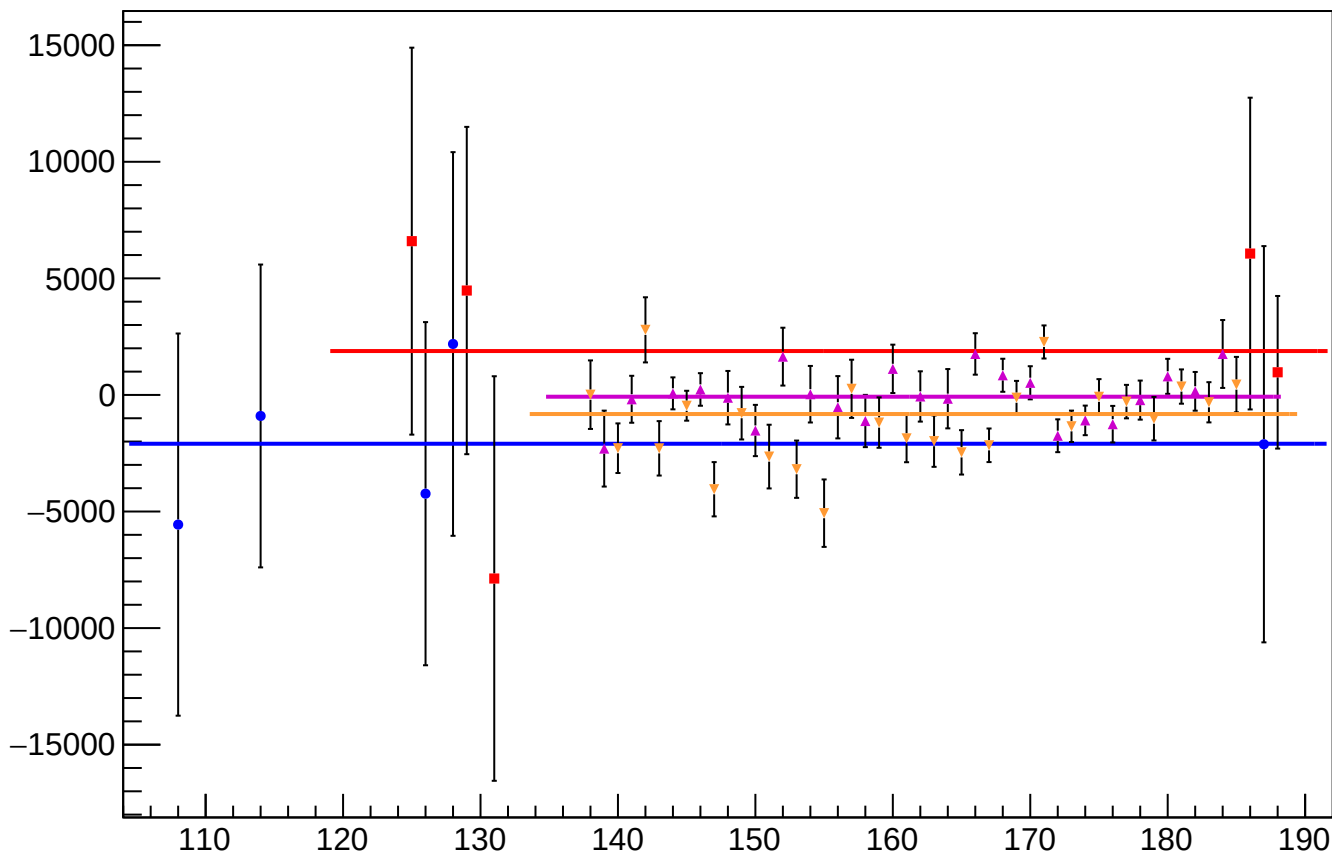
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 92.389 $\pm$ 0.013 χ^2 /NDF: 2343683.5/42

All: 93.466 $\pm$ 0.010 χ^2 /NDF: 5738612.3/86

- sign 94.599 $\pm$ 0.014 χ^2 /NDF: 3381755.8/43

asym_sam3_correction_mean vs Slug



Right In: -2093.366 ± 3416.354 $\chi^2/\text{NDF}: 0.6/4$

Left Out: -818.877 ± 184.464 $\chi^2/\text{NDF}: 68.2/24$

Right Out: 1882.597 ± 2470.583 $\chi^2/\text{NDF}: 2.2/4$

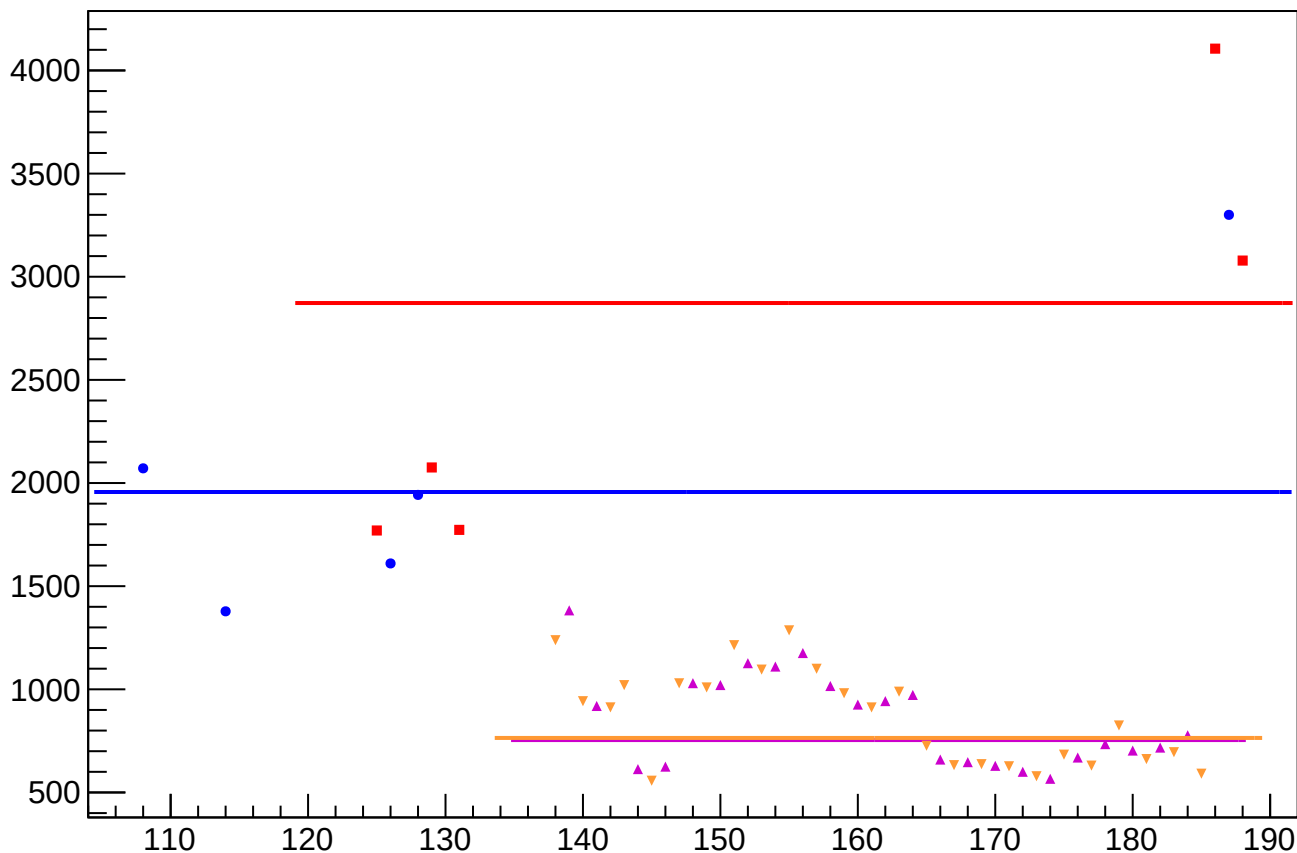
Left In: -76.204 ± 186.651 $\chi^2/\text{NDF}: 28.3/22$

+ sign -822.581 ± 184.196 $\chi^2/\text{NDF}: 68.9/29$

All: -447.771 ± 130.921 $\chi^2/\text{NDF}: 108.4/57$

- sign -65.087 ± 186.120 $\chi^2/\text{NDF}: 31.1/27$

asym_sam3_correction_rms vs Slug



Right In: 1956.504 ± 2.416 $\chi^2/\text{NDF}: 70686.2/4$

Left Out: 764.280 ± 0.130 $\chi^2/\text{NDF}: 2315985.8/24$

Right Out: 2872.582 ± 1.747 $\chi^2/\text{NDF}: 169190.1/4$

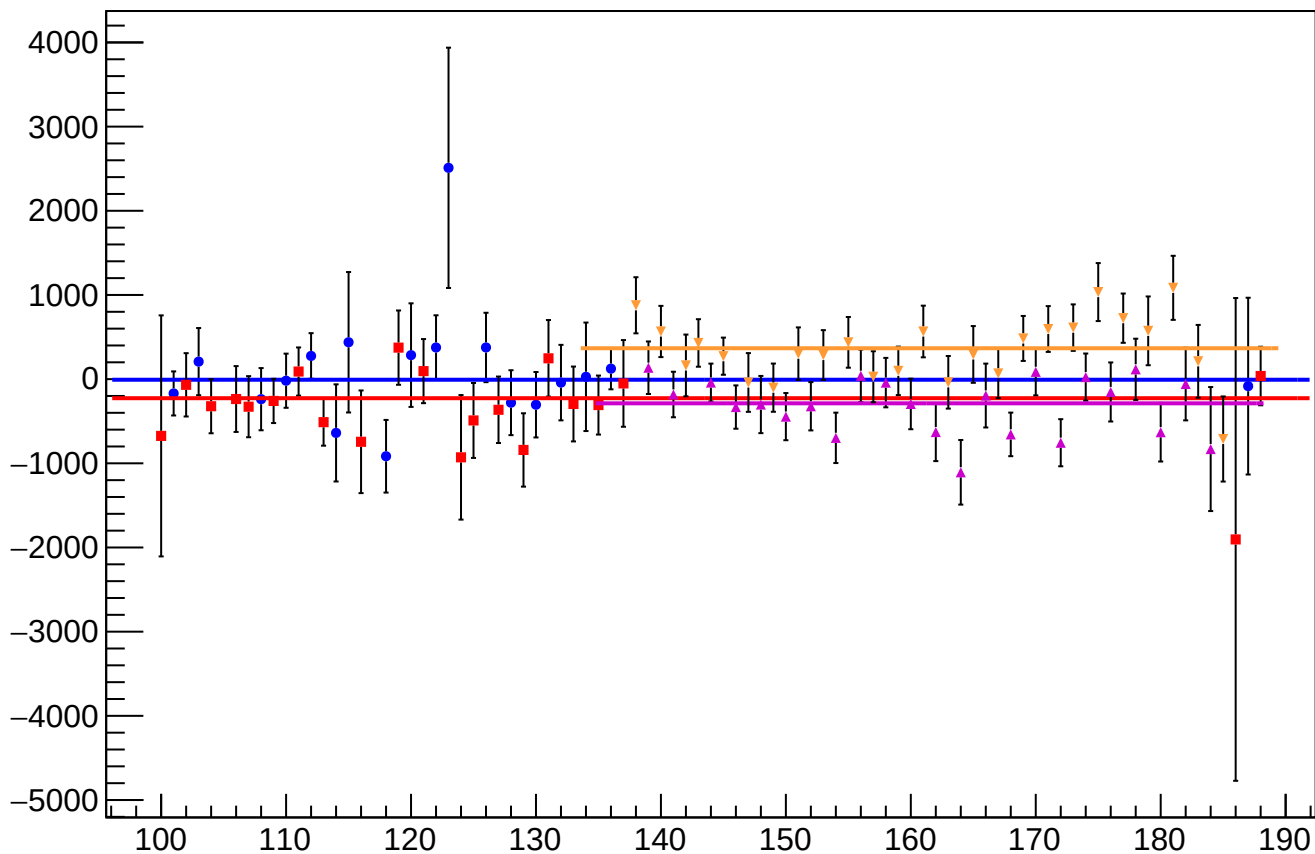
Left In: 754.027 ± 0.132 $\chi^2/\text{NDF}: 2013386.7/22$

+ sign 767.745 ± 0.130 $\chi^2/\text{NDF}: 2629532.0/29$

All: 766.906 ± 0.093 $\chi^2/\text{NDF}: 6274500.2/57$

- sign 766.050 ± 0.132 $\chi^2/\text{NDF}: 3644884.4/27$

reg_asym_sam4_mean vs Slug



Right In: -7.098 ± 93.094 χ^2/NDF : 14.7/17

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -226.552 ± 86.281 χ^2/NDF : 11.6/20

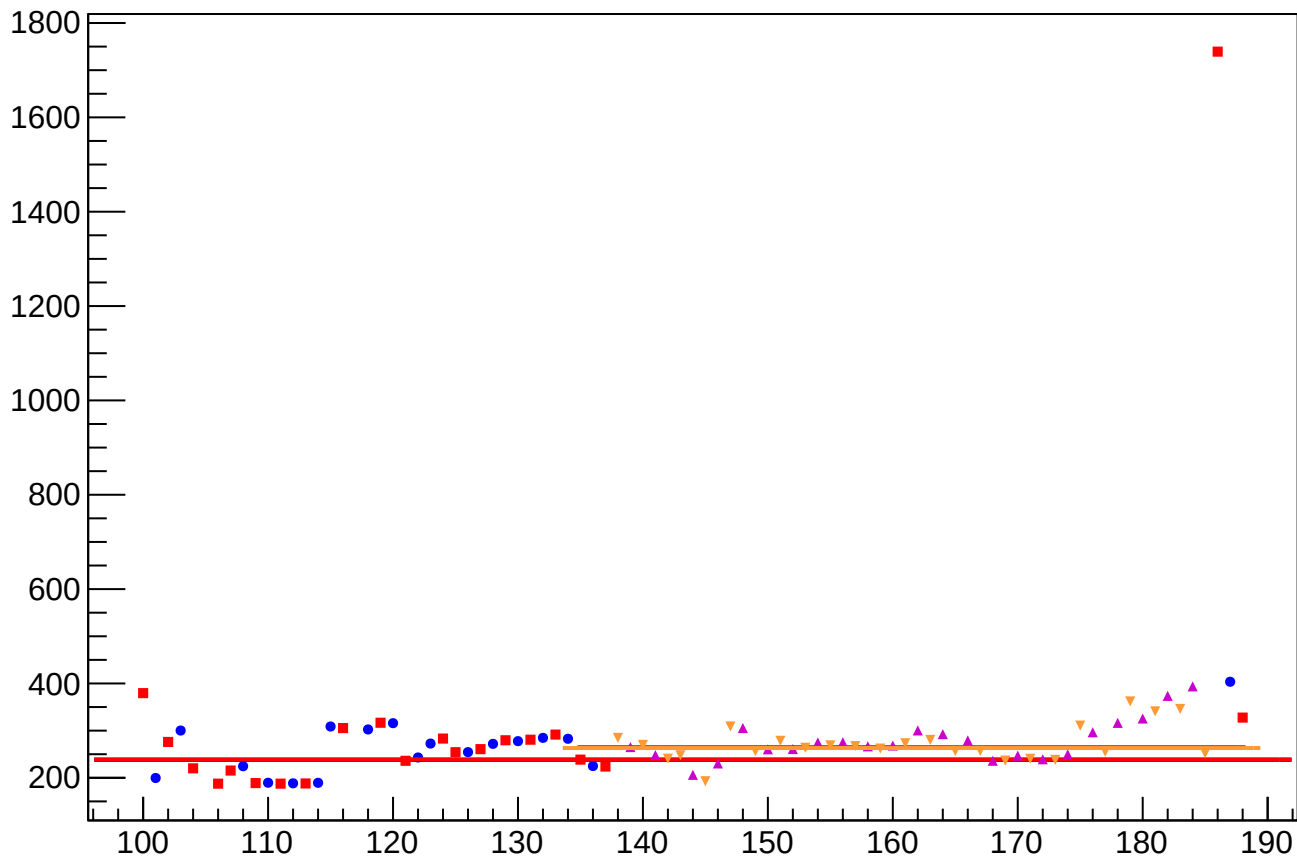
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 252.218 ± 51.570 χ^2/NDF : 54.1/42

All: -7.191 ± 36.432 χ^2/NDF : 140.4/86

- sign -265.643 ± 51.475 χ^2/NDF : 35.8/43

reg_asym_sam4_rms vs Slug



Right In: 238.061 $\pm$ 0.066 χ^2 /NDF: 440131.1/17

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 239.113 $\pm$ 0.061 χ^2 /NDF: 1135368.3/20

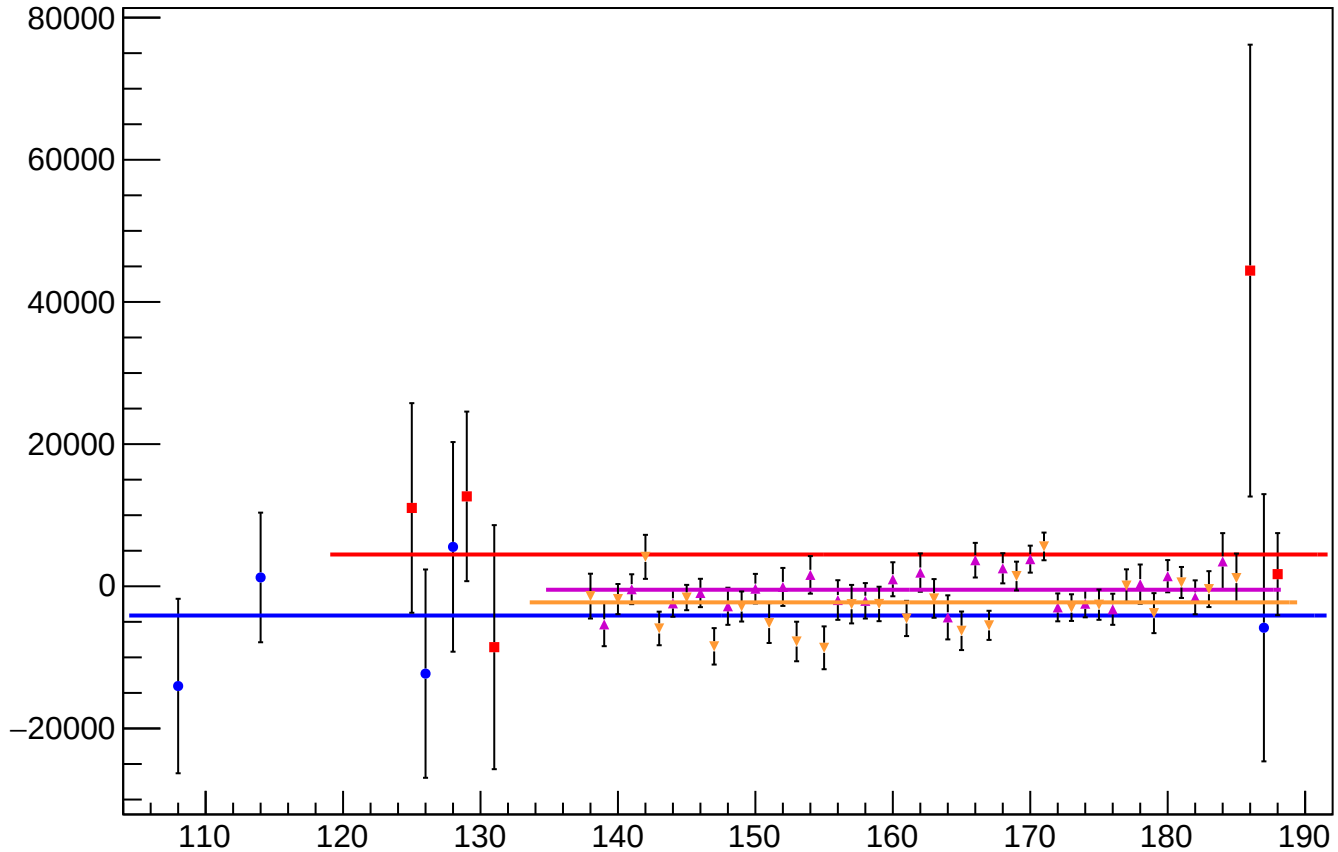
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 255.418 $\pm$ 0.036 χ^2 /NDF: 1182663.9/42

All: 255.577 $\pm$ 0.026 χ^2 /NDF: 3042367.7/86

- sign 255.736 $\pm$ 0.036 χ^2 /NDF: 1859665.7/43

asym_sam4_correction_mean vs Slug



Right In: -4111.567 ± 5702.410 χ^2/NDF : 1.7/4

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: 4472.510 ± 4661.252 χ^2/NDF : 3.1/4

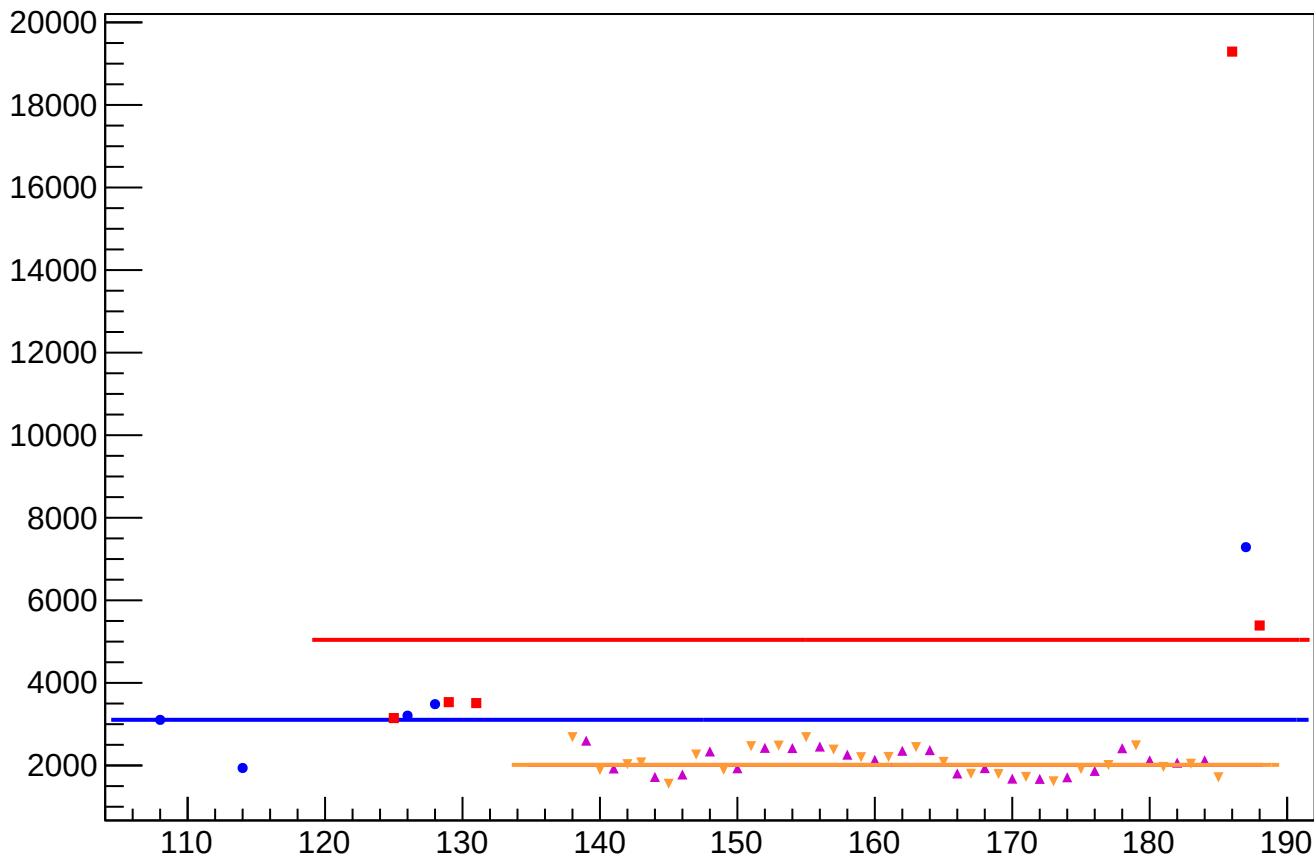
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2272.972 ± 473.693 χ^2/NDF : 54.2/29

All: -1373.834 ± 338.817 χ^2/NDF : 90.5/57

- sign -431.952 ± 484.821 χ^2/NDF : 28.9/27

asym_sam4_correction_rms vs Slug



Right In: 3106.025+/-4.032 χ^2/NDF : 133208.8/4

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 5043.137+/-3.296 χ^2/NDF : 490223.7/4

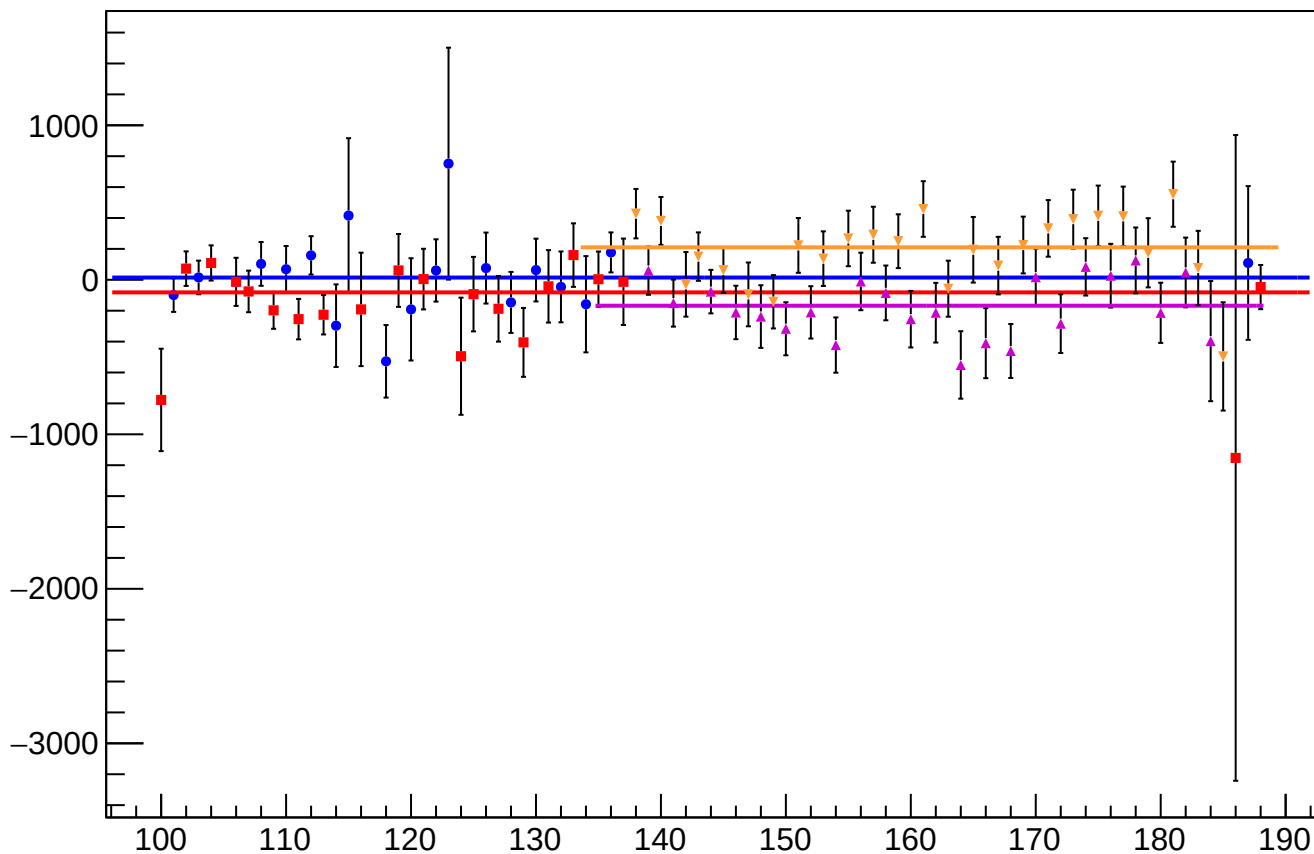
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2021.640+/-0.335 χ^2/NDF : 1041691.8/29

All: 2033.549+/-0.240 χ^2/NDF : 3032482.8/57

- sign 2046.024+/-0.343 χ^2/NDF : 1988202.8/27

reg_asym_sam5_mean vs Slug



Right In: 14.537 ± 42.211 $\chi^2/\text{NDF}: 14.5/17$

Left Out: 210.086 ± 37.093 $\chi^2/\text{NDF}: 27.5/24$

Right Out: -81.457 ± 37.653 $\chi^2/\text{NDF}: 19.5/20$

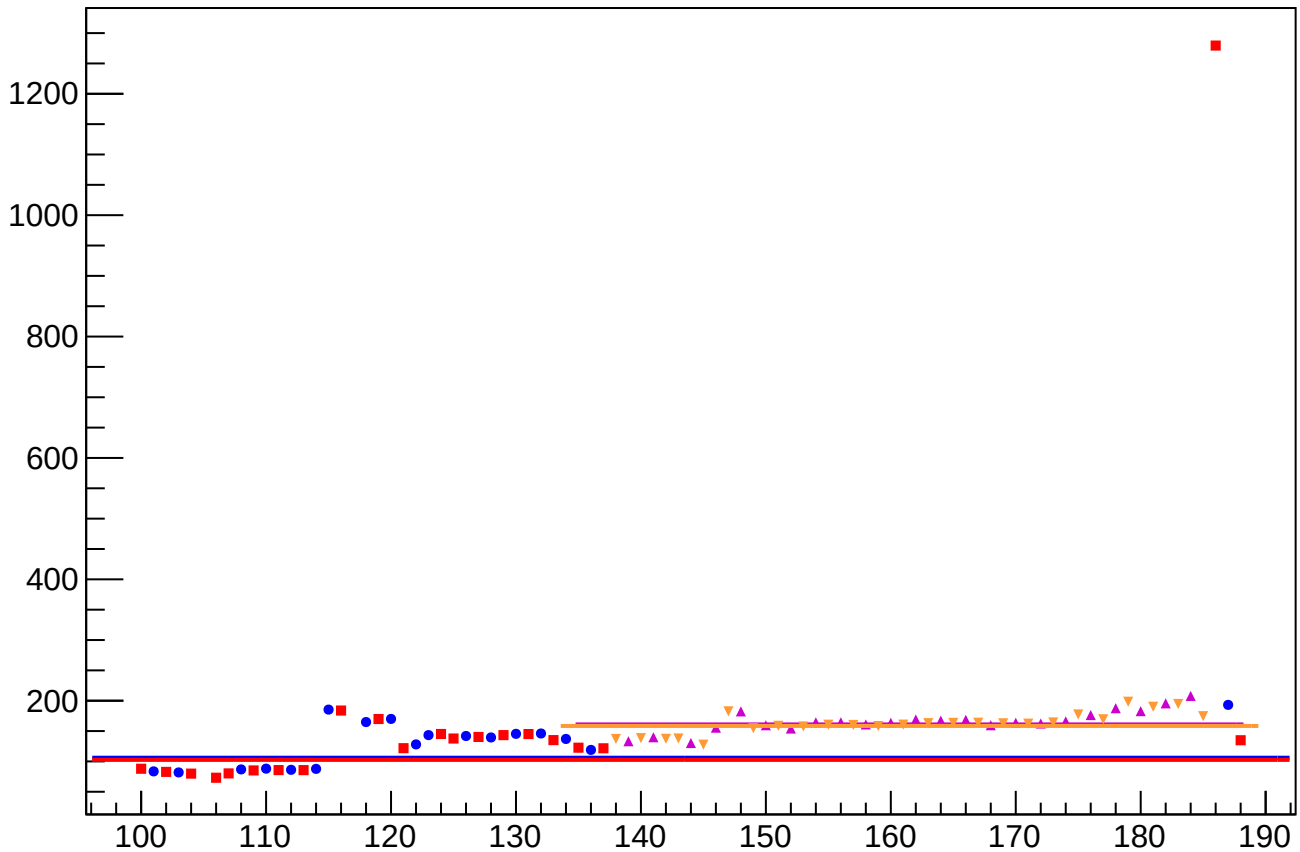
Left In: -167.822 ± 38.718 $\chi^2/\text{NDF}: 21.1/22$

+ sign 124.878 ± 27.864 $\chi^2/\text{NDF}: 54.1/42$

All: -3.218 ± 19.387 $\chi^2/\text{NDF}: 138.2/86$

- sign -123.436 ± 26.993 $\chi^2/\text{NDF}: 43.2/43$

reg_asym_sam5_rms vs Slug



Right In: 106.101 $\pm$ 0.030 χ^2 /NDF: 931925.2/17

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 102.517 $\pm$ 0.027 χ^2 /NDF: 1747972.3/20

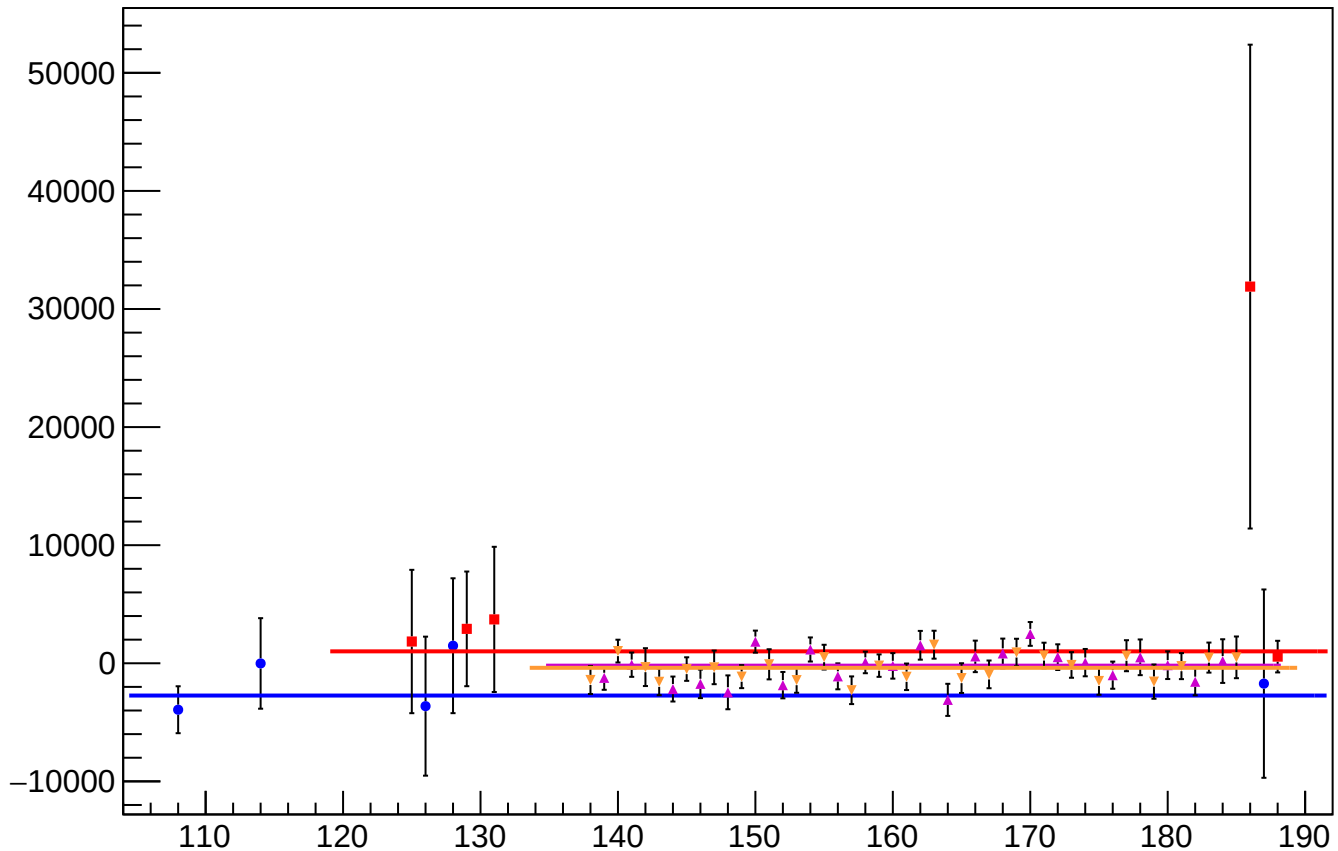
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.634 $\pm$ 0.020 χ^2 /NDF: 3101276.4/42

All: 133.201 $\pm$ 0.014 χ^2 /NDF: 7599526.6/86

- sign 130.917 $\pm$ 0.019 χ^2 /NDF: 4468685.3/43

asym_sam5_correction_mean vs Slug



Right In: -2732.874+/-1587.923 χ^2 /NDF: 1.5/4

Left Out: -385.018+/-231.833 χ^2 /NDF:18.1/24

Right Out: 1009.485+/-1234.156 χ^2 /NDF: 2.8/4

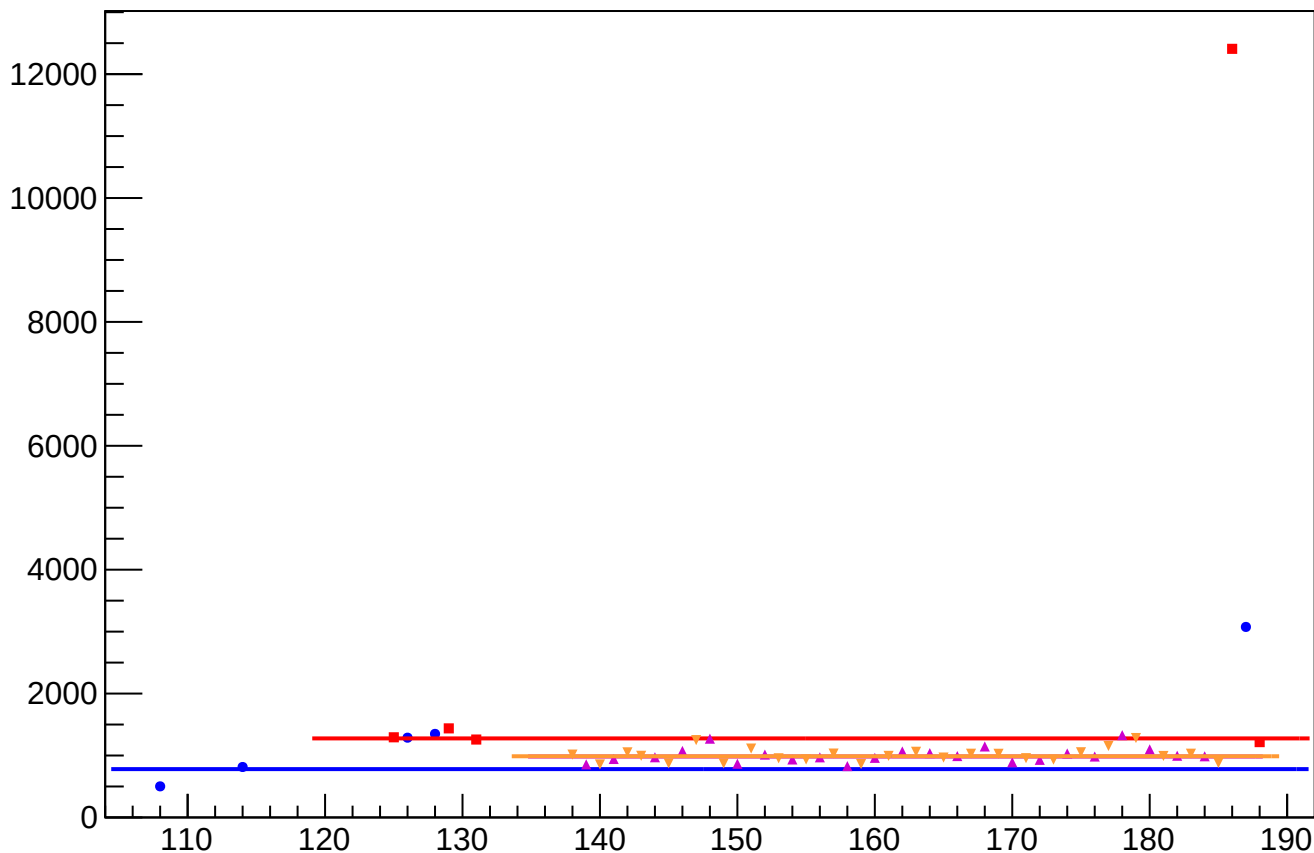
Left In: -202.234+/-237.460 χ^2 /NDF:35.5/22

+ sign -434.019+/-229.401 χ^2 /NDF: 21.7/29

All: -298.746+/-163.532 χ^2 /NDF: 61.5/57

- sign -158.977+/-233.183 χ^2 /NDF: 39.2/27

asym_sam5_correction_rms vs Slug



Right In: 780.441+/-1.123 χ^2/NDF : 239804.4/4

Left Out: 987.869+/-0.164 χ^2/NDF : 376958.5/24

Right Out: 1276.085+/-0.873 χ^2/NDF : 596788.3/4

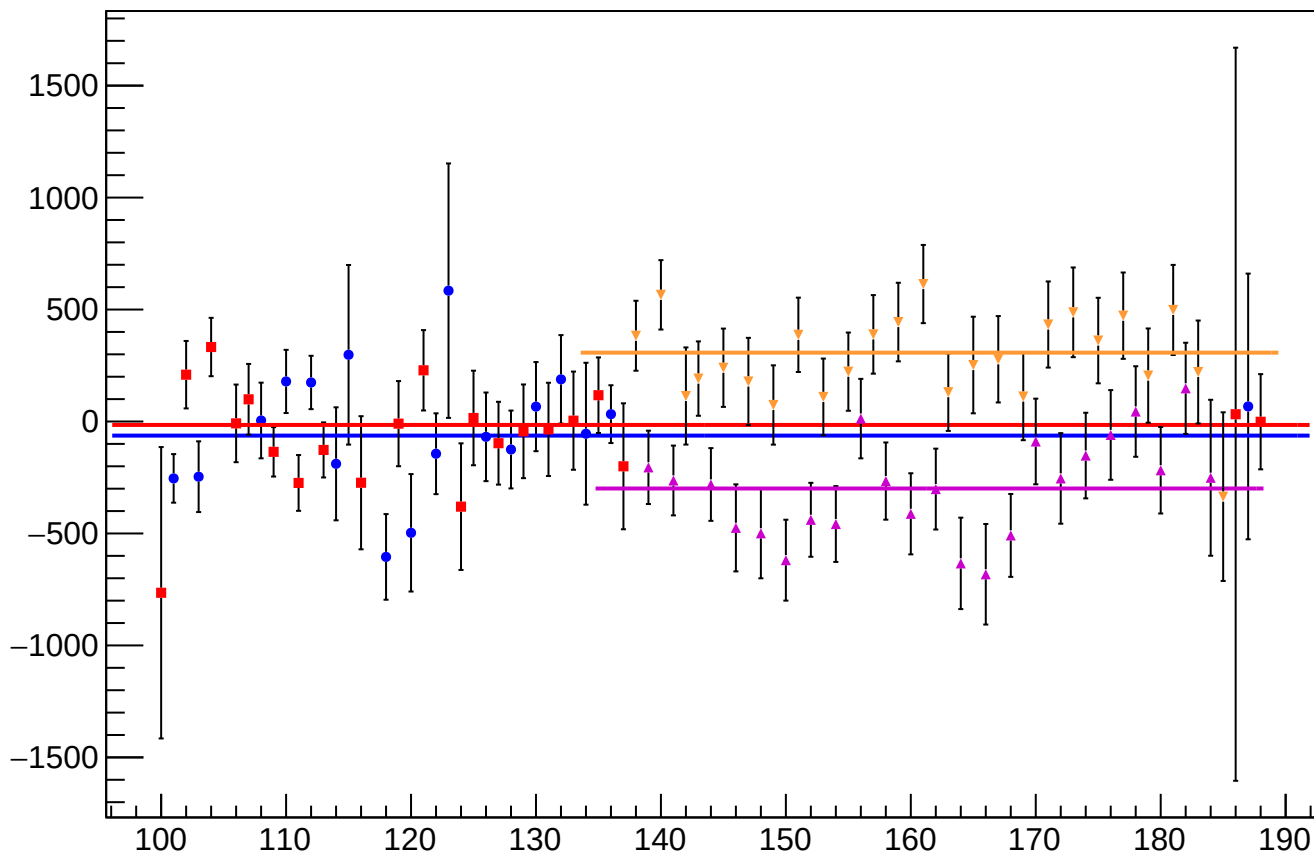
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 983.540+/-0.162 χ^2/NDF : 650178.1/29

All: 988.844+/-0.116 χ^2/NDF : 1773508.9/57

- sign 994.324+/-0.165 χ^2/NDF : 1121157.0/27

reg_asym_sam6_mean vs Slug



Right In: -62.964 ± 42.229 χ^2/NDF : 27.6/17

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: -15.336 ± 38.855 χ^2/NDF : 23.1/20

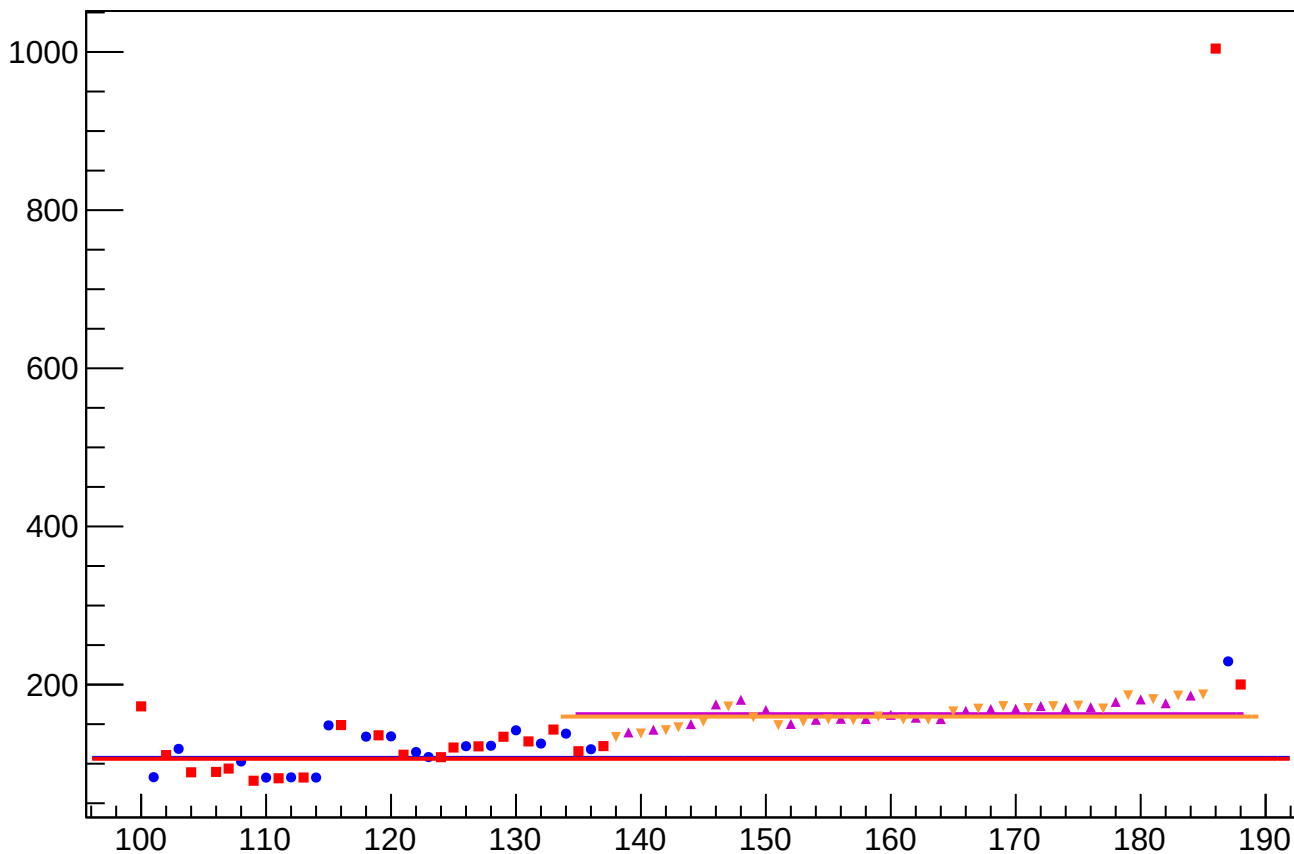
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 145.242 ± 27.947 χ^2/NDF : 91.6/42

All: -8.004 ± 19.612 χ^2/NDF : 229.0/86

- sign -156.702 ± 27.529 χ^2/NDF : 78.2/43

reg_asym_sam6_rms vs Slug



Right In: 107.355+/-0.030 χ^2/NDF : 588198.8/17

Left Out: 159.568+/-0.026 χ^2/NDF :287744.2/24

Right Out: 106.223 ± 0.027 χ^2/NDF : 1601544.7/20

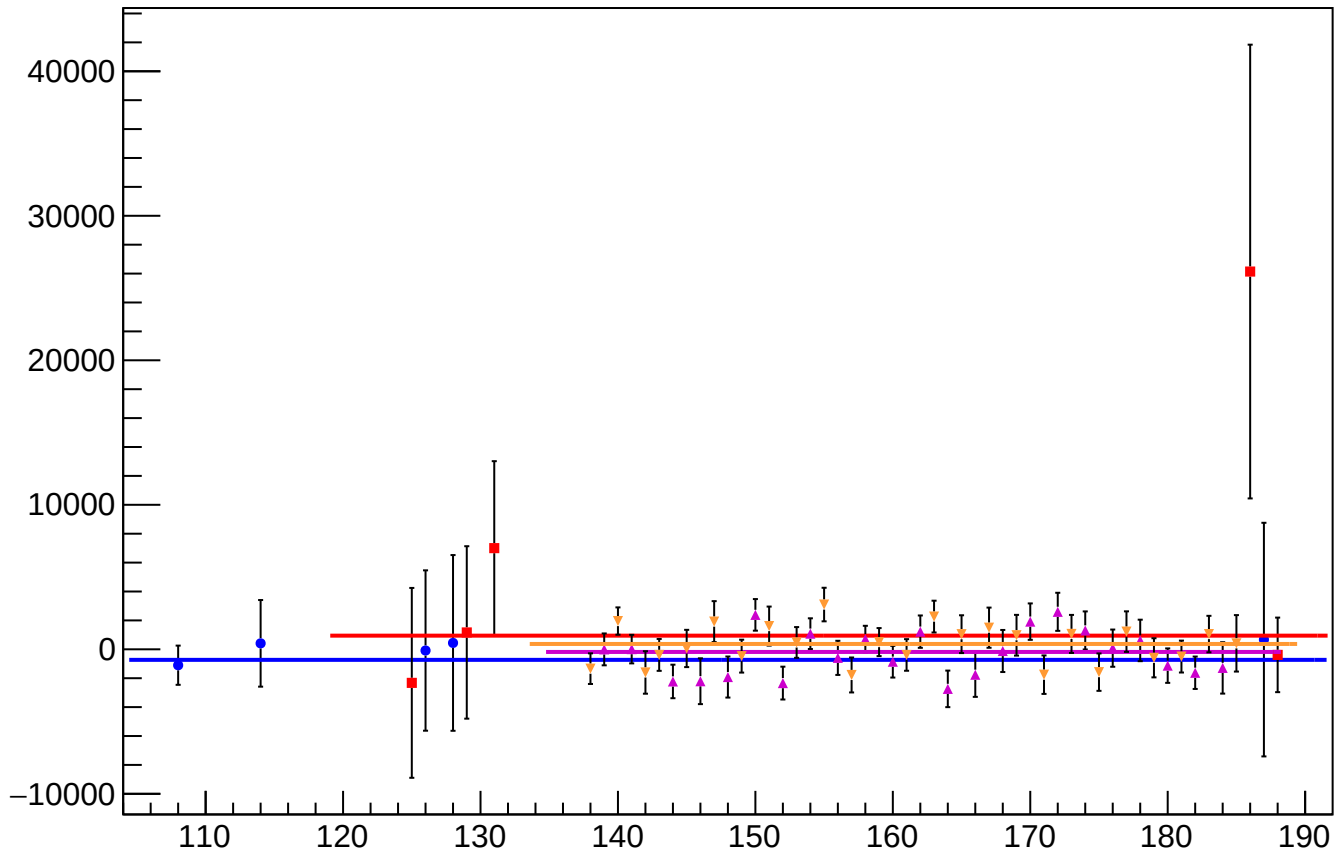
Left In: 162.606+/-0.028 χ^2/NDF :199542.3/22

+ sign 136.701+/-0.020 χ^2/NDF : 2594414.6/42

All: 135.484+/-0.014 χ^2/NDF : 6500438.9/86

- sign 134.303+/-0.019 χ^2/NDF : 3898552.7/43

asym_sam6_correction_mean vs Slug



Right In: -730.057+/-1170.860 χ^2/NDF : 0.3/4

Left Out: 370.001+/-243.521 χ^2/NDF : 30.5/24

Right Out: 945.411+/-2070.876 χ^2/NDF : 4.1/4

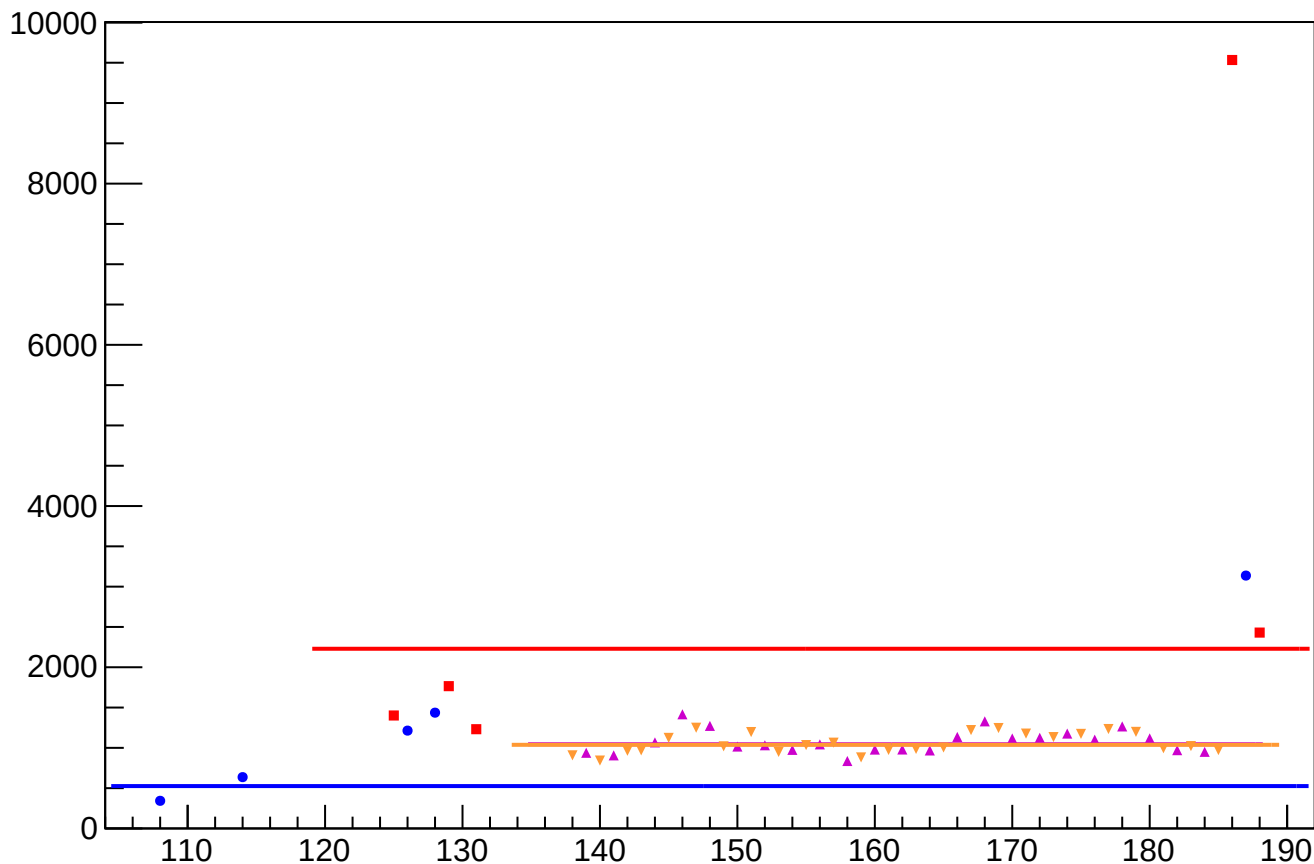
Left In: -183.107+/-252.258 χ^2/NDF : 36.5/22

+ sign 324.388+/-238.418 χ^2/NDF : 31.6/29

All: 90.926+/-172.670 χ^2/NDF : 74.5/57

- sign -166.607+/-250.407 χ^2/NDF : 40.9/27

asym_sam6_correction_rms vs Slug



Right In: 525.745+/-0.828 χ^2/NDF : 323434.2/4

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 2229.372+/-1.464 χ^2/NDF : 543873.9/4

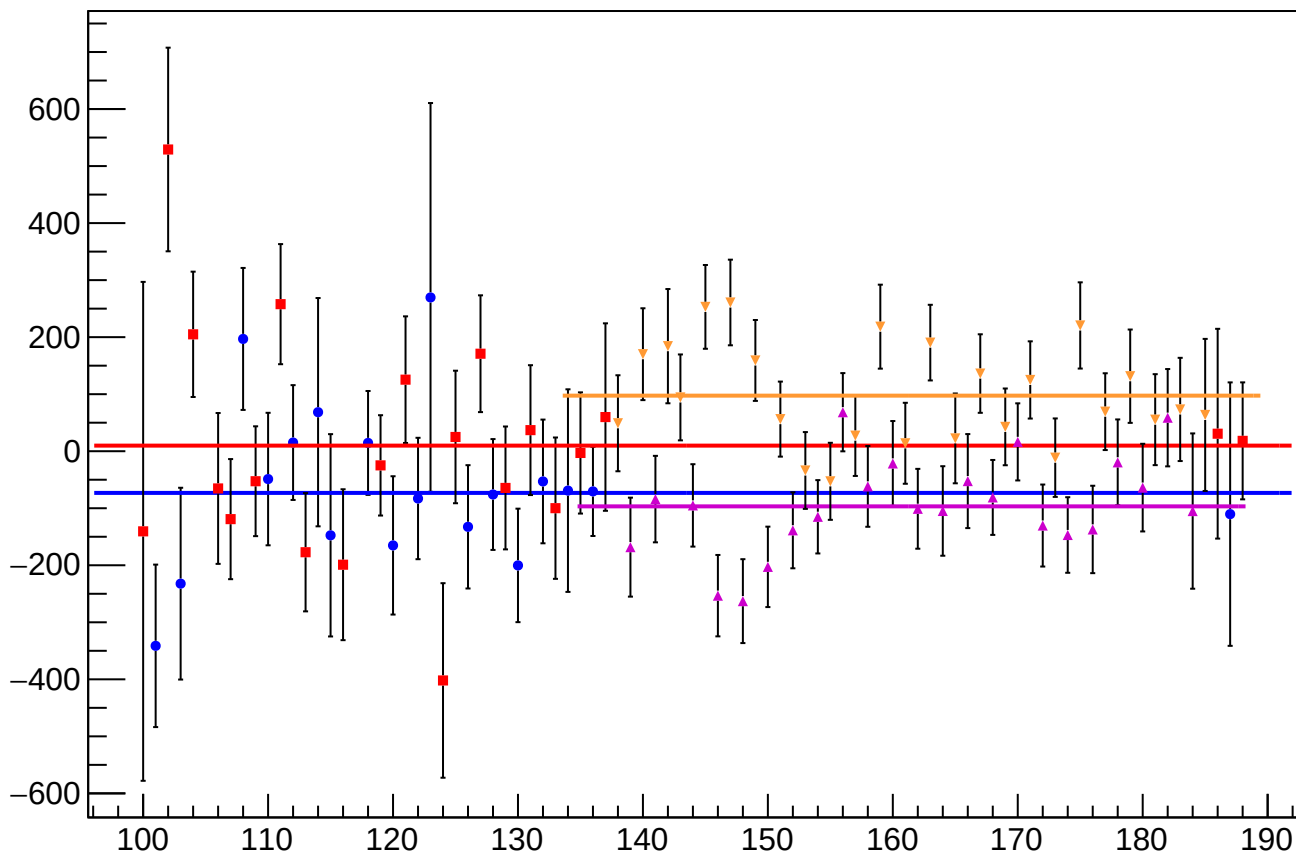
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1016.462+/-0.169 χ^2/NDF : 1184916.3/29

All: 1038.146+/-0.122 χ^2/NDF : 2951792.8/57

- sign 1062.066+/-0.177 χ^2/NDF : 1732082.5/27

reg_asym_sam7_mean vs Slug



Right In: -73.111 ± 28.221 $\chi^2/\text{NDF}: 15.2/17$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 9.810 ± 25.754 $\chi^2/\text{NDF}: 36.3/20$

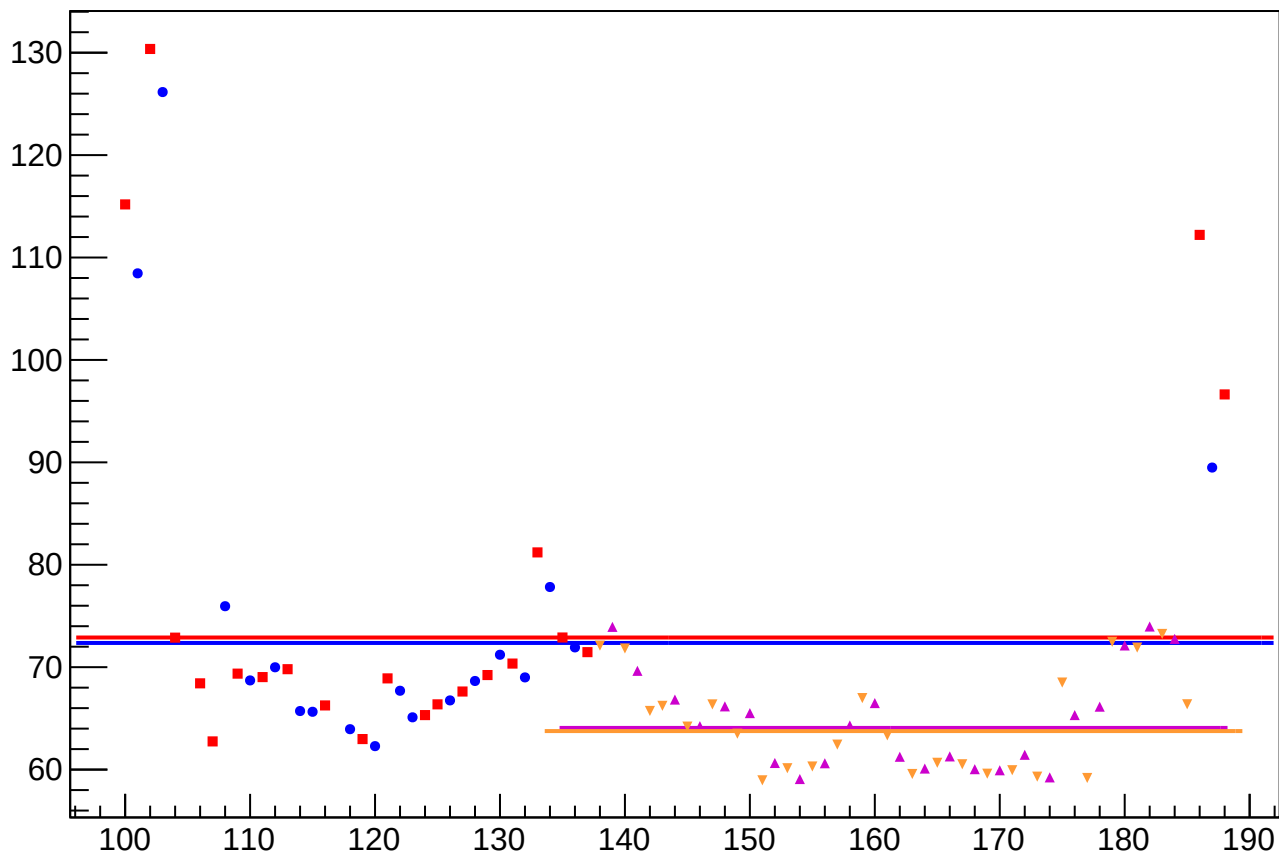
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 60.345 ± 13.162 $\chi^2/\text{NDF}: 79.7/42$

All: -4.019 ± 9.320 $\chi^2/\text{NDF}: 205.8/86$

- sign -68.732 ± 13.198 $\chi^2/\text{NDF}: 78.1/43$

reg_asym_sam7_rms vs Slug



Right In: 72.366 $\pm$ 0.020 χ^2 /NDF: 401950.8/17

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF:192803.8/24

Right Out: 72.896 $\pm$ 0.018 χ^2 /NDF: 513444.3/20

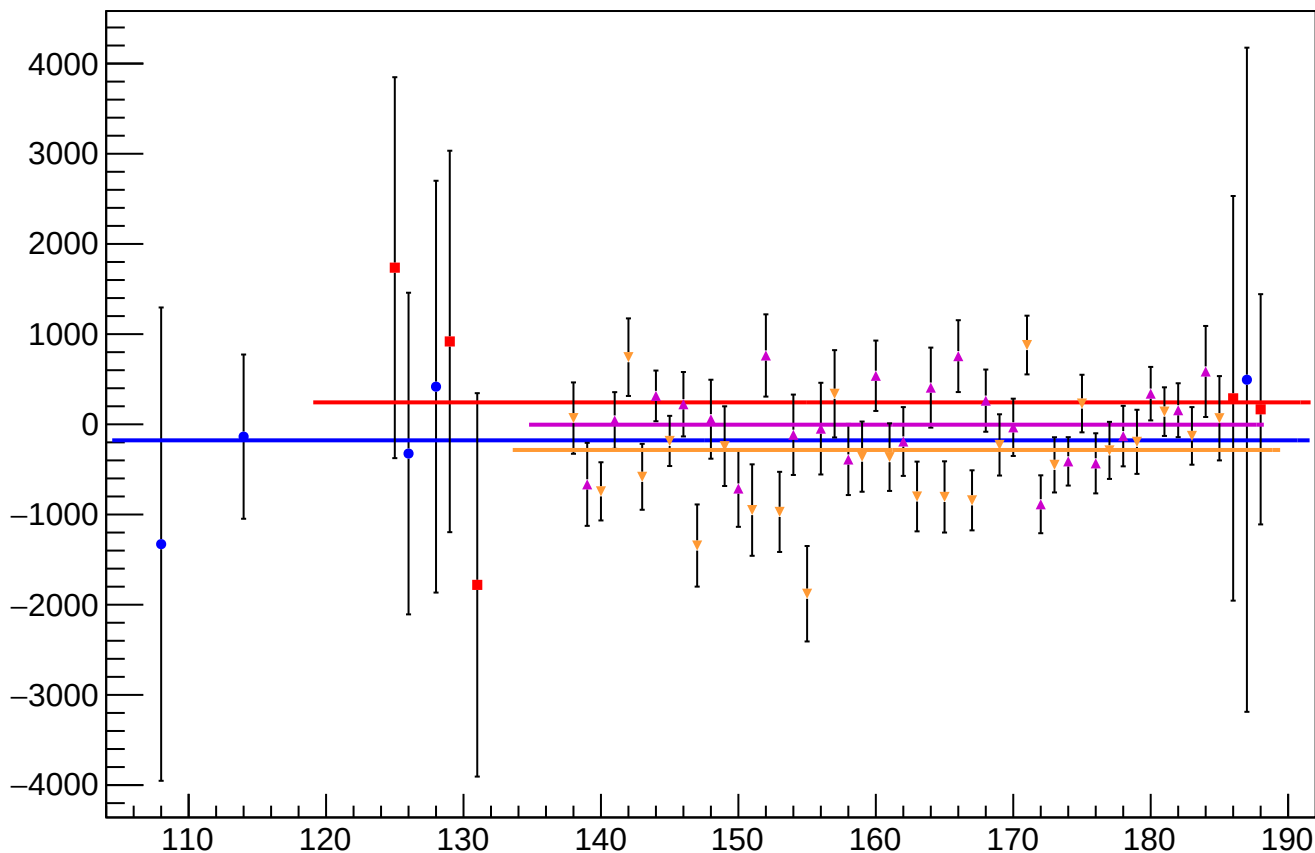
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF:164660.4/22

+ sign 65.633 $\pm$ 0.009 χ^2 /NDF: 740237.4/42

All: 66.009 $\pm$ 0.007 χ^2 /NDF: 1594899.0/86

- sign 66.387 $\pm$ 0.009 χ^2 /NDF: 851388.5/43

asym_sam7_correction_mean vs Slug



Right In: -177.585 ± 719.523 $\chi^2/\text{NDF}: 0.3/4$

Left Out: -284.304 ± 72.732 $\chi^2/\text{NDF}: 55.1/24$

Right Out: 243.348 ± 821.554 $\chi^2/\text{NDF}: 1.5/4$

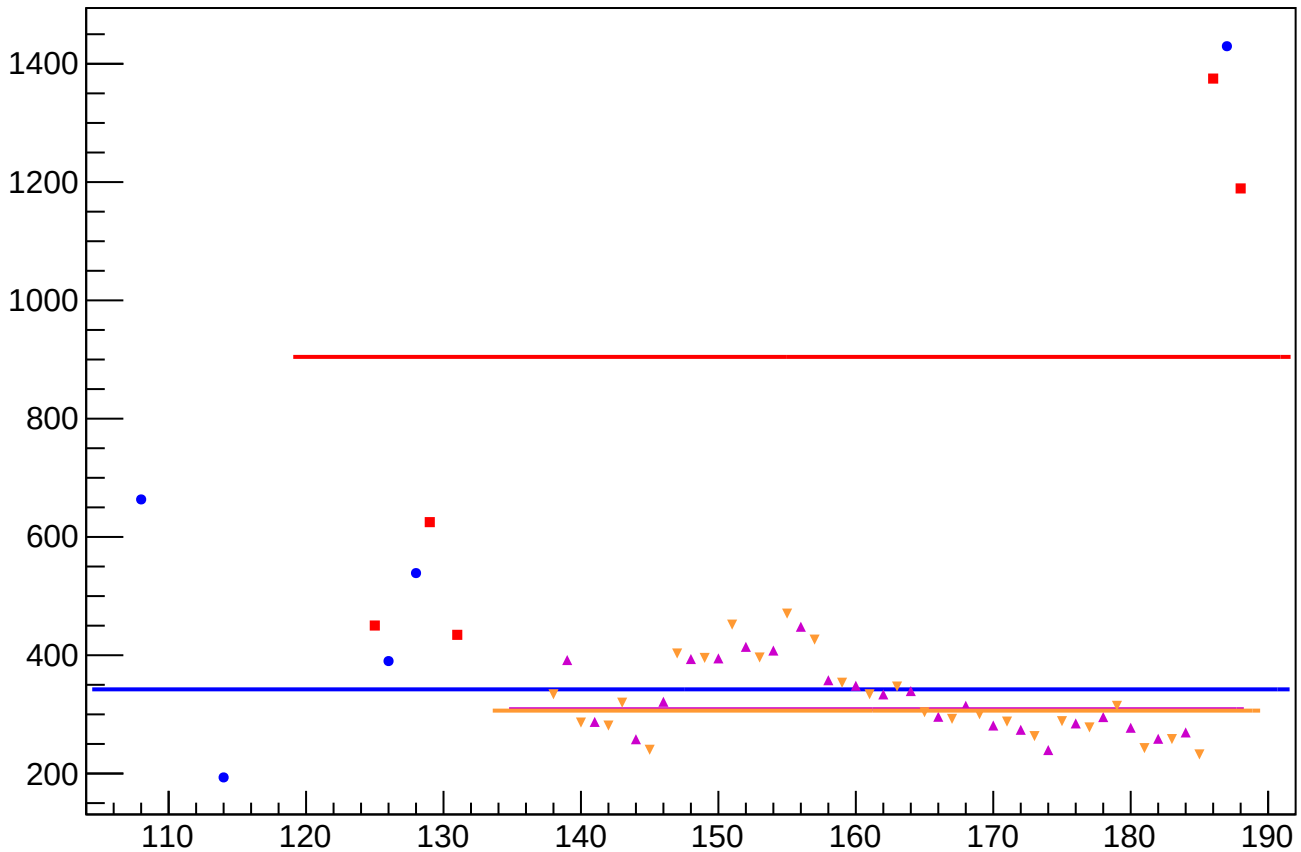
Left In: -4.037 ± 75.084 $\chi^2/\text{NDF}: 32.4/22$

+ sign -283.224 ± 72.364 $\chi^2/\text{NDF}: 55.4/29$

All: -147.209 ± 52.000 $\chi^2/\text{NDF}: 96.6/57$

- sign -1.988 ± 74.773 $\chi^2/\text{NDF}: 34.0/27$

asym_sam7_correction_rms vs Slug



Right In: 342.318+/-0.509 χ^2/NDF : 274156.6/4

Left Out: 306.363+/-0.051 χ^2/NDF :1215669.9/24

Right Out: 904.439+/-0.581 χ^2/NDF : 412765.2/4

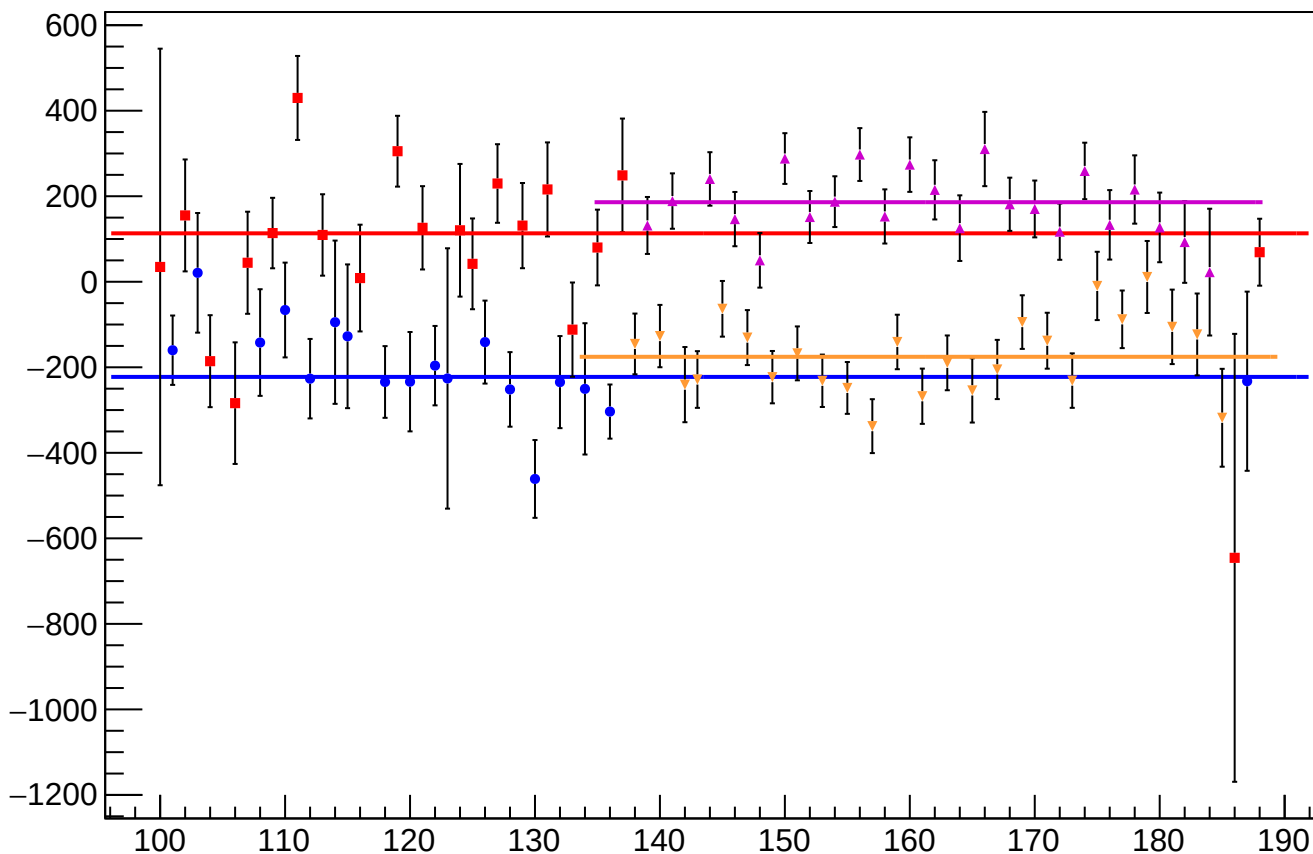
Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

+ sign 306.727+/-0.051 χ^2/NDF : 1494770.3/29

All: 310.080+/-0.037 χ^2/NDF : 3962208.7/57

- sign 313.661+/-0.053 χ^2/NDF : 2458555.5/27

reg_asym_sam8_mean vs Slug



Right In: -222.490 ± 24.766 $\chi^2/\text{NDF}: 16.3/17$

Left Out: -175.471 ± 13.846 $\chi^2/\text{NDF}: 34.6/24$

Right Out: 113.246 ± 23.502 $\chi^2/\text{NDF}: 43.2/20$

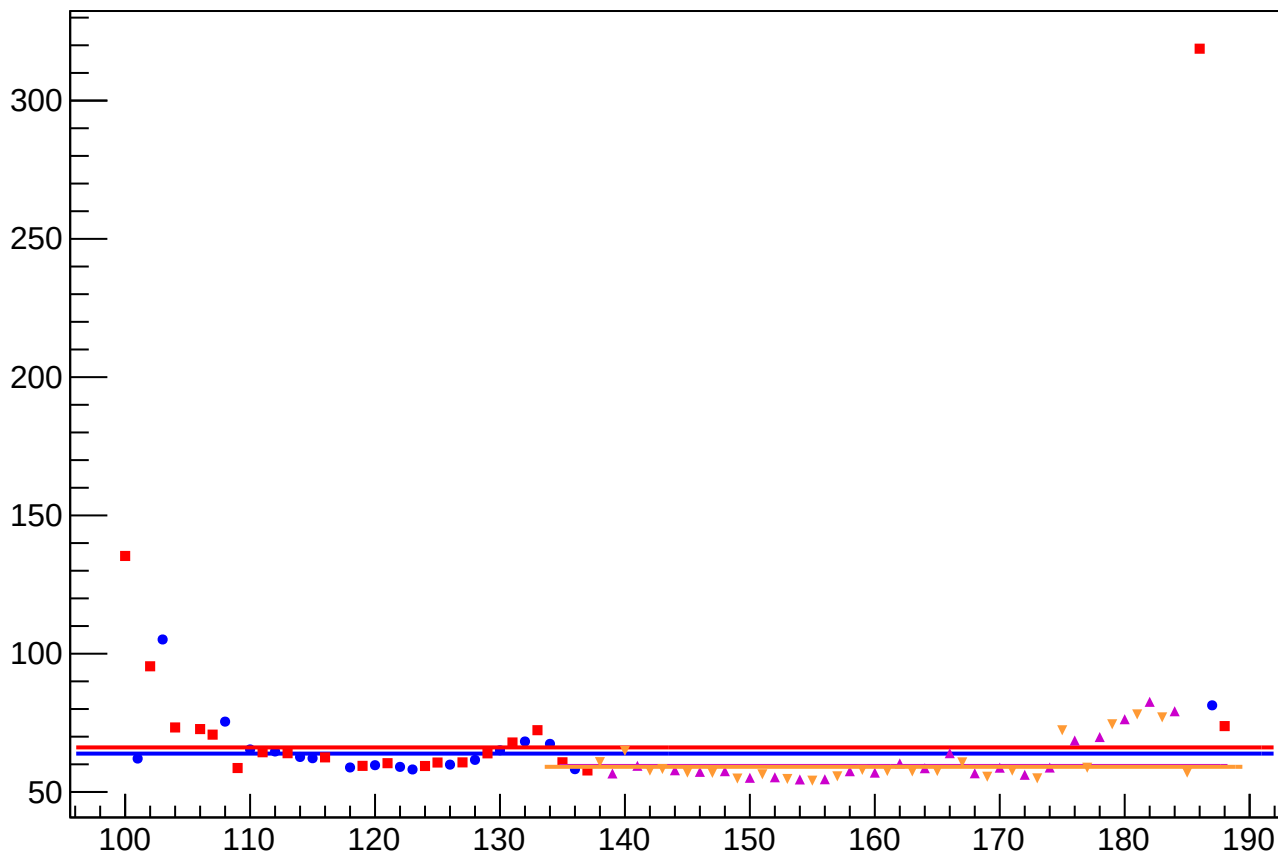
Left In: 186.047 ± 14.315 $\chi^2/\text{NDF}: 23.6/22$

+ sign -186.667 ± 12.085 $\chi^2/\text{NDF}: 53.7/42$

All: -12.202 ± 8.595 $\chi^2/\text{NDF}: 549.1/86$

- sign 166.346 ± 12.226 $\chi^2/\text{NDF}: 73.8/43$

reg_asym_sam8_rms vs Slug



Right In: 63.876 ± 0.018 χ^2/NDF : 247978.8/17

Left Out: 59.099 ± 0.010 χ^2/NDF : 369788.6/24

Right Out: 66.113 ± 0.017 χ^2/NDF : 717014.2/20

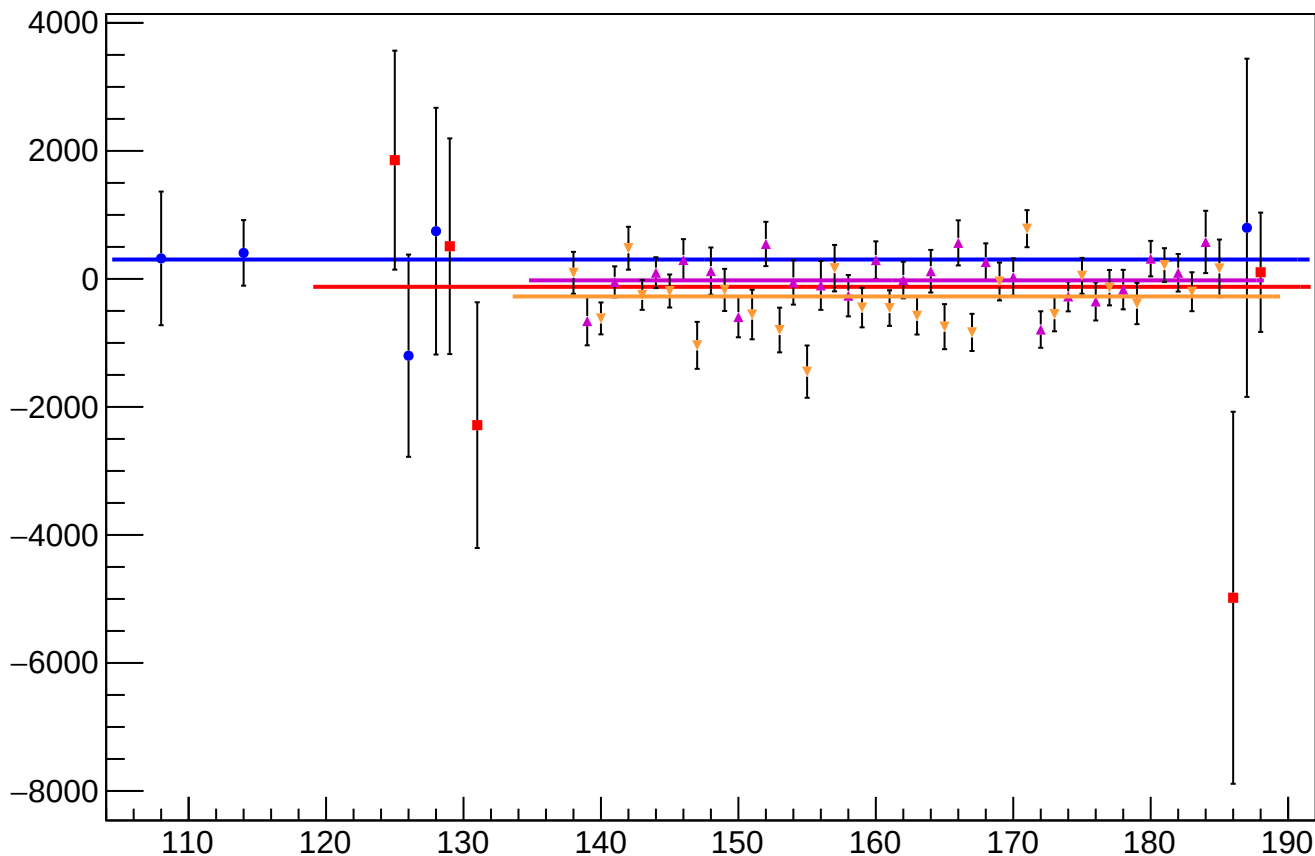
Left In: 59.410 ± 0.010 χ^2/NDF : 373052.7/22

+ sign 60.237 ± 0.009 χ^2/NDF : 674451.9/42

All: 60.725 ± 0.006 χ^2/NDF : 1889788.0/86

- sign 61.224 ± 0.009 χ^2/NDF : 1208736.1/43

asym_sam8_correction_mean vs Slug



Right In: 302.986 $\pm$ 424.837 χ^2/NDF : 1.0/4

Left Out: -274.091 $\pm$ 60.799 χ^2/NDF : 53.9/24

Right Out: -123.424 $\pm$ 668.898 χ^2/NDF : 5.6/4

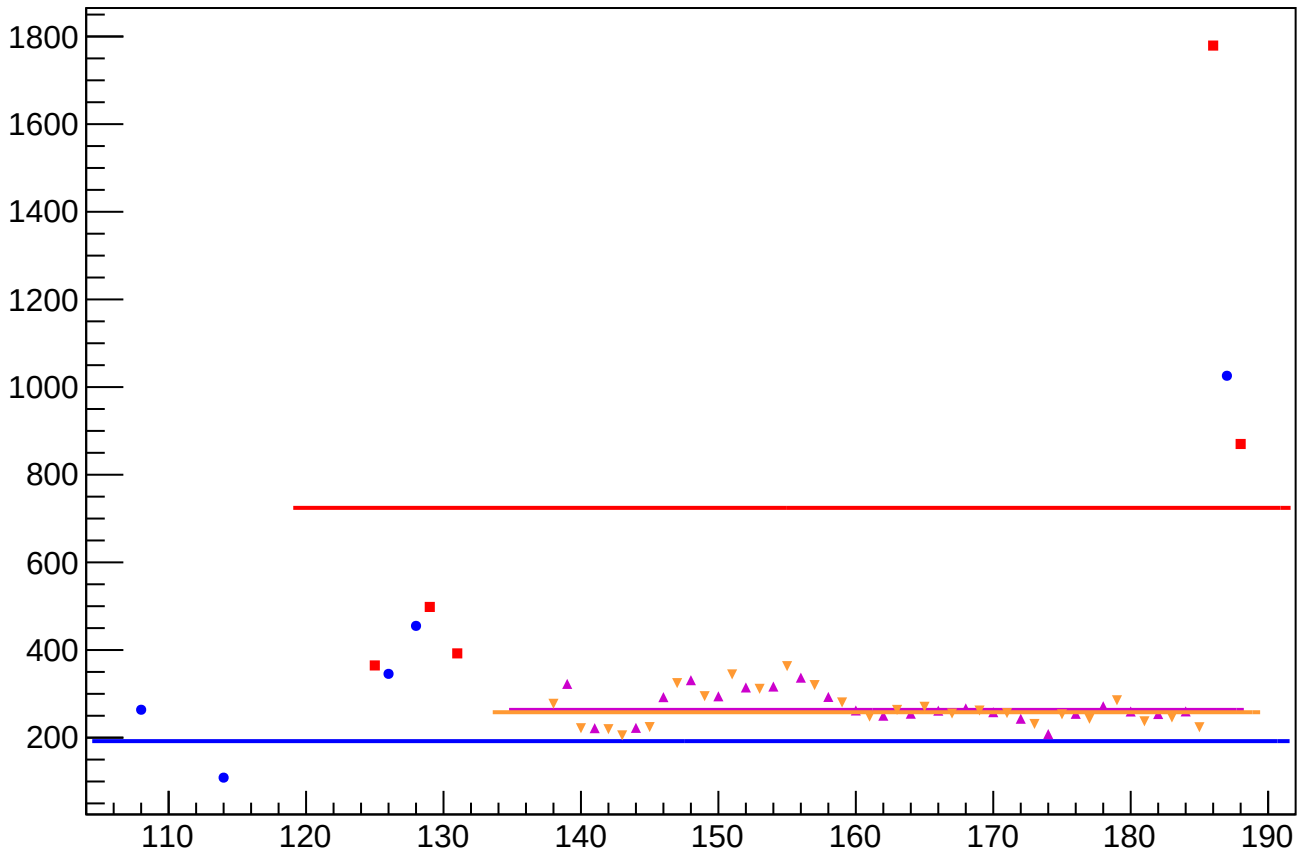
Left In: -22.631 $\pm$ 63.643 χ^2/NDF : 28.9/22

+ sign -262.509 $\pm$ 60.186 χ^2/NDF : 56.7/29

All: -149.151 $\pm$ 43.636 χ^2/NDF : 98.7/57

- sign -23.535 $\pm$ 63.357 χ^2/NDF : 34.5/27

asym_sam8_correction_rms vs Slug



Right In: 192.101 $\pm$ 0.300 χ^2 /NDF: 317541.2/4

Left Out: 258.040 $\pm$ 0.043 χ^2 /NDF: 724823.3/24

Right Out: 724.385 $\pm$ 0.473 χ^2 /NDF: 496618.0/4

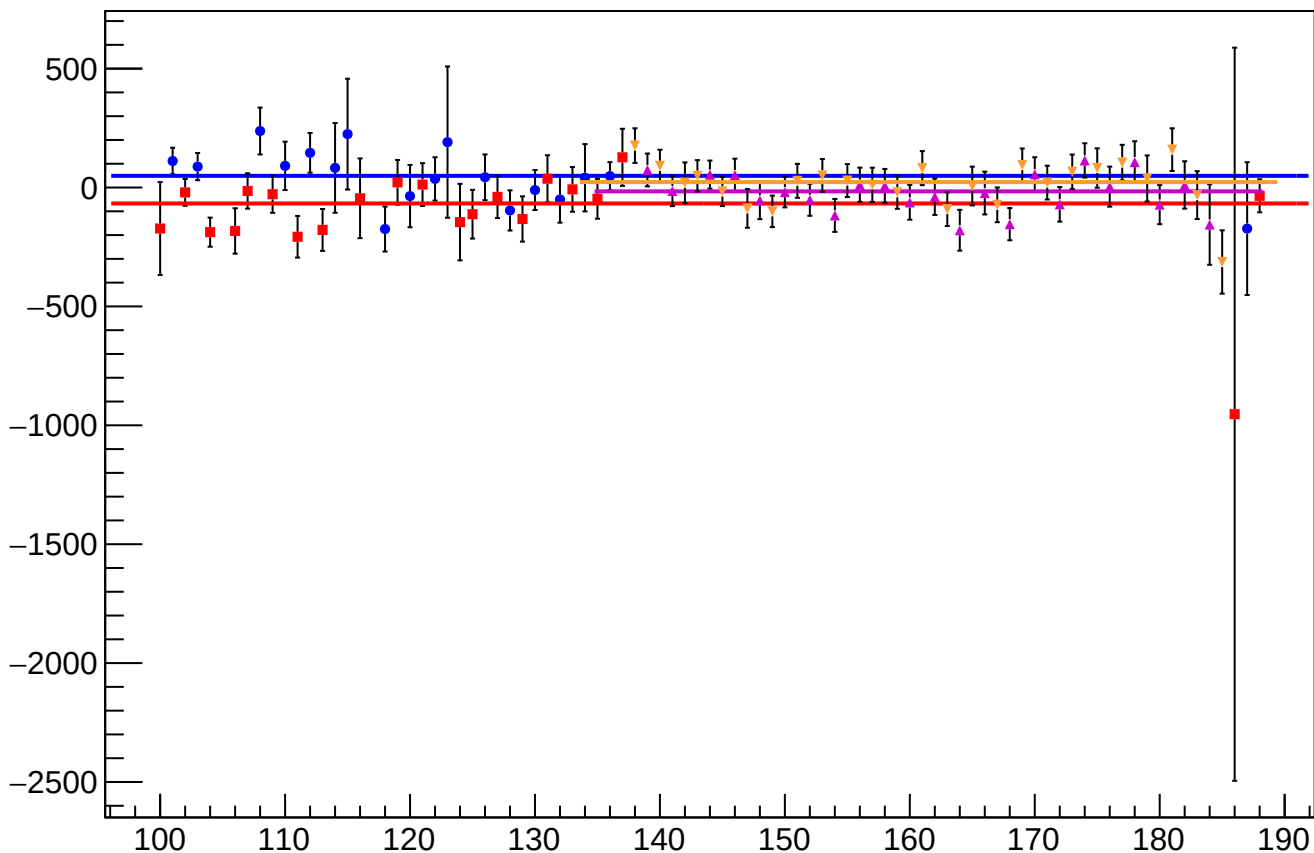
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 256.717 $\pm$ 0.043 χ^2 /NDF: 1089578.0/29

All: 261.847 $\pm$ 0.031 χ^2 /NDF: 3143838.5/57

- sign 267.532 $\pm$ 0.045 χ^2 /NDF: 2023623.3/27

reg_asym_sam_15_avg_mean vs Slug



Right In: 49.146 $\pm$ 21.483 χ^2 /NDF: 18.9/17

Left Out: 22.871 $\pm$ 14.968 χ^2 /NDF: 29.0/24

Right Out: -67.097 $\pm$ 19.611 χ^2 /NDF: 18.6/20

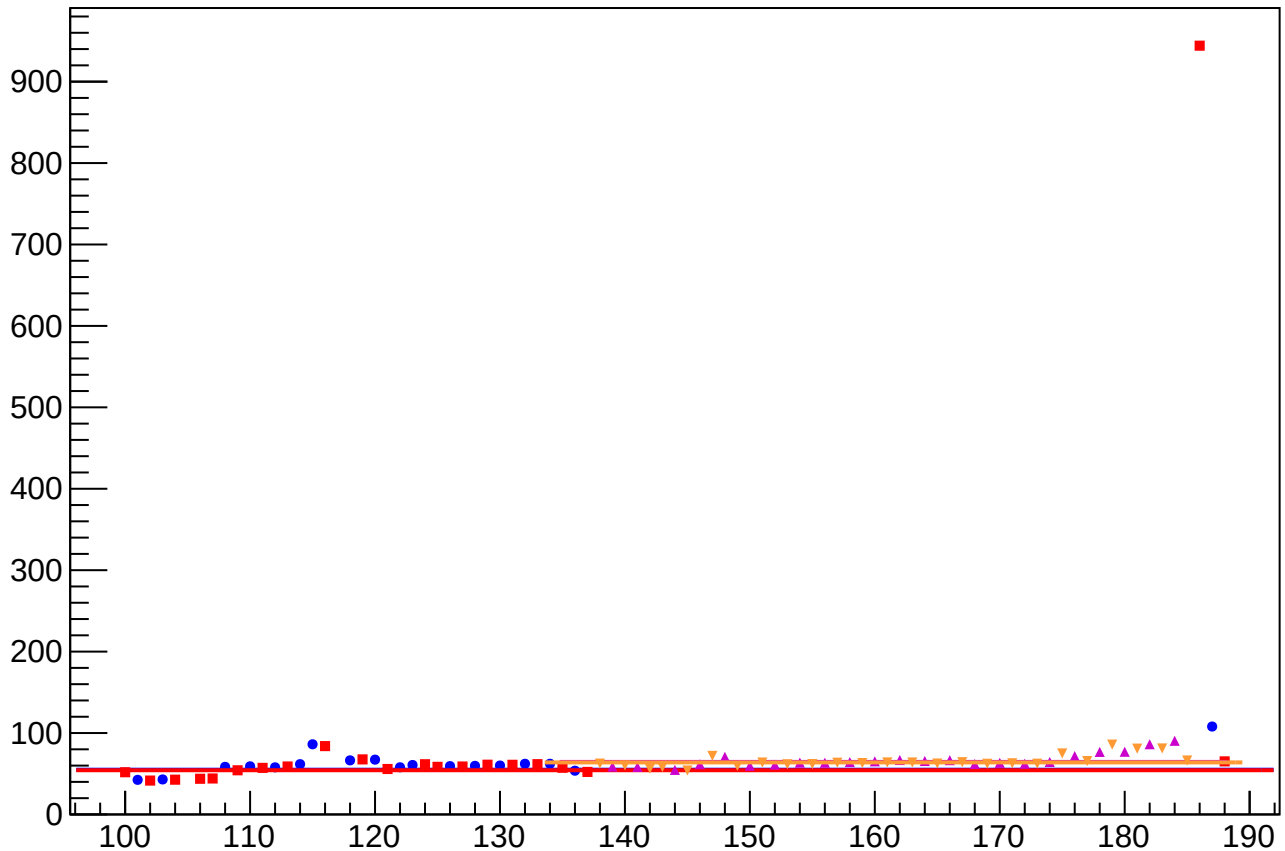
Left In: -16.198 $\pm$ 15.531 χ^2 /NDF: 23.3/22

+ sign 31.457 $\pm$ 12.281 χ^2 /NDF: 48.8/42

All: -2.470 $\pm$ 8.646 χ^2 /NDF: 110.1/86

- sign -35.816 $\pm$ 12.175 χ^2 /NDF: 46.1/43

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.956 $\pm$ 0.015 χ^2 /NDF: 391539.0/17

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 54.320 $\pm$ 0.014 χ^2 /NDF: 1109181.5/20

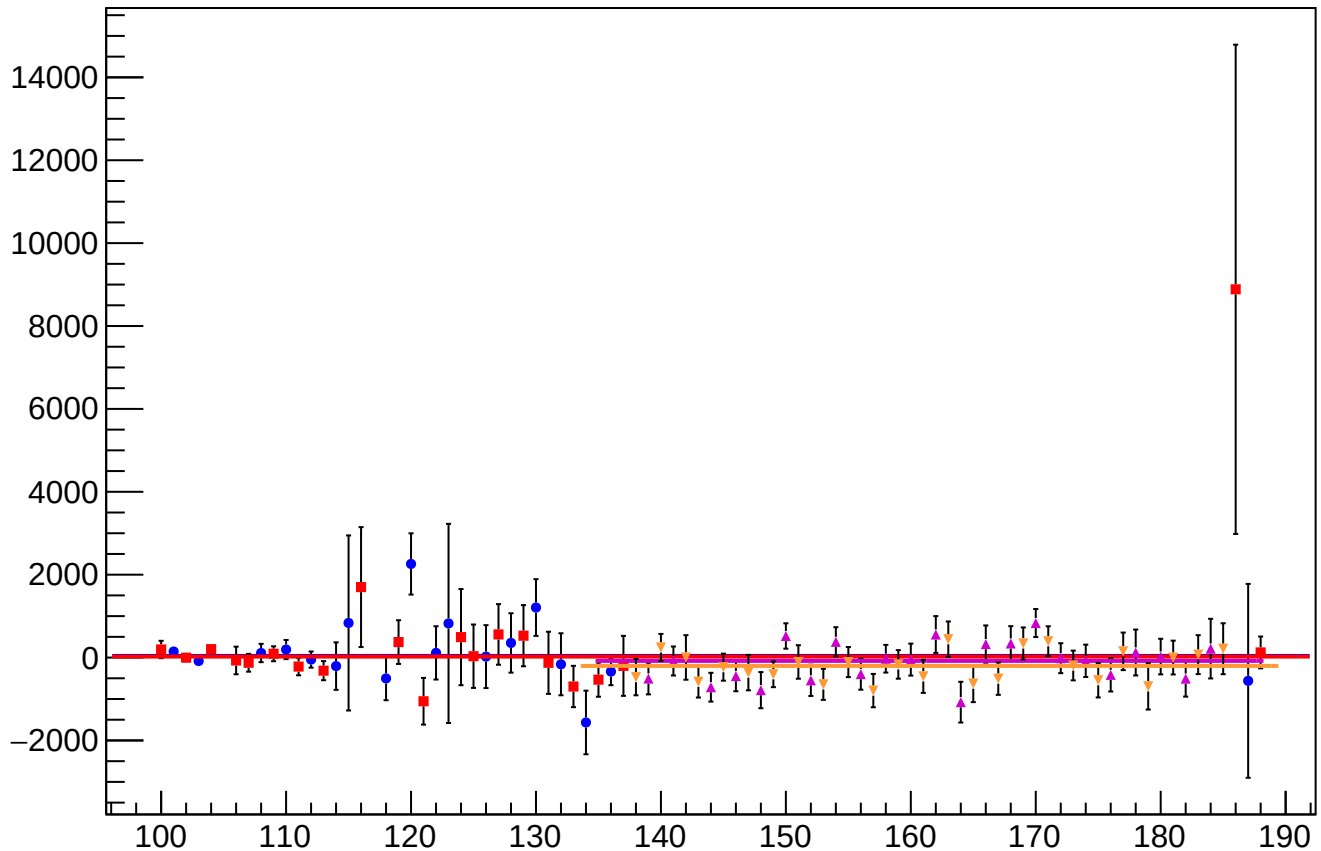
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 60.991 $\pm$ 0.009 χ^2 /NDF: 1021358.2/42

All: 60.785 $\pm$ 0.006 χ^2 /NDF: 2834070.5/86

- sign 60.583 $\pm$ 0.009 χ^2 /NDF: 1811601.0/43

asym_sam_15_avg_correction_mean vs Slug



Right In: 38.725 ± 51.549 χ^2/NDF : 23.9/17

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: 24.064 ± 52.780 χ^2/NDF : 21.1/20

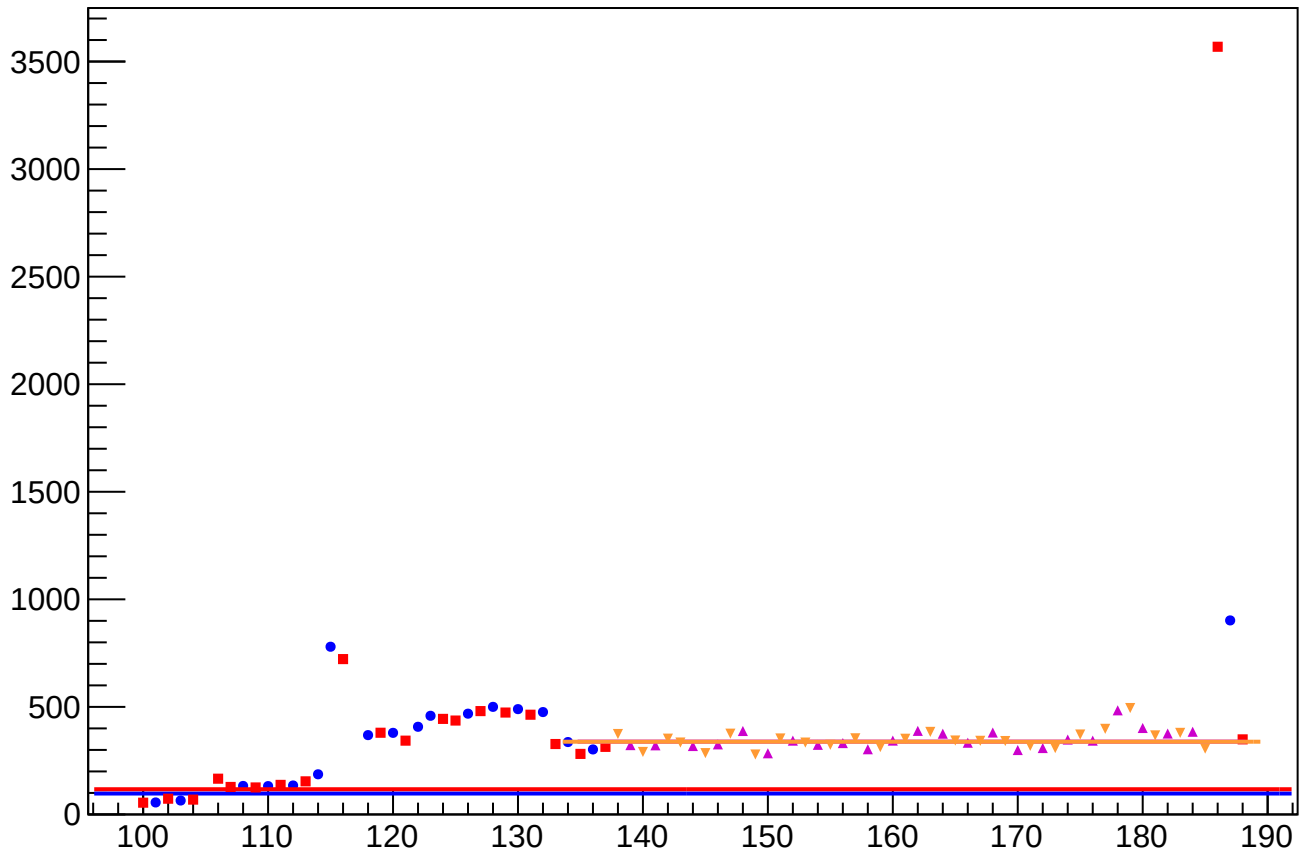
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -32.195 ± 43.260 χ^2/NDF : 49.9/42

All: -19.681 ± 30.966 χ^2/NDF : 105.8/86

- sign -6.530 ± 44.346 χ^2/NDF : 55.7/43

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.291+/-0.036 χ^2/NDF : 6037166.9/17

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 117.269+/-0.037 χ^2/NDF : 6444864.6/20

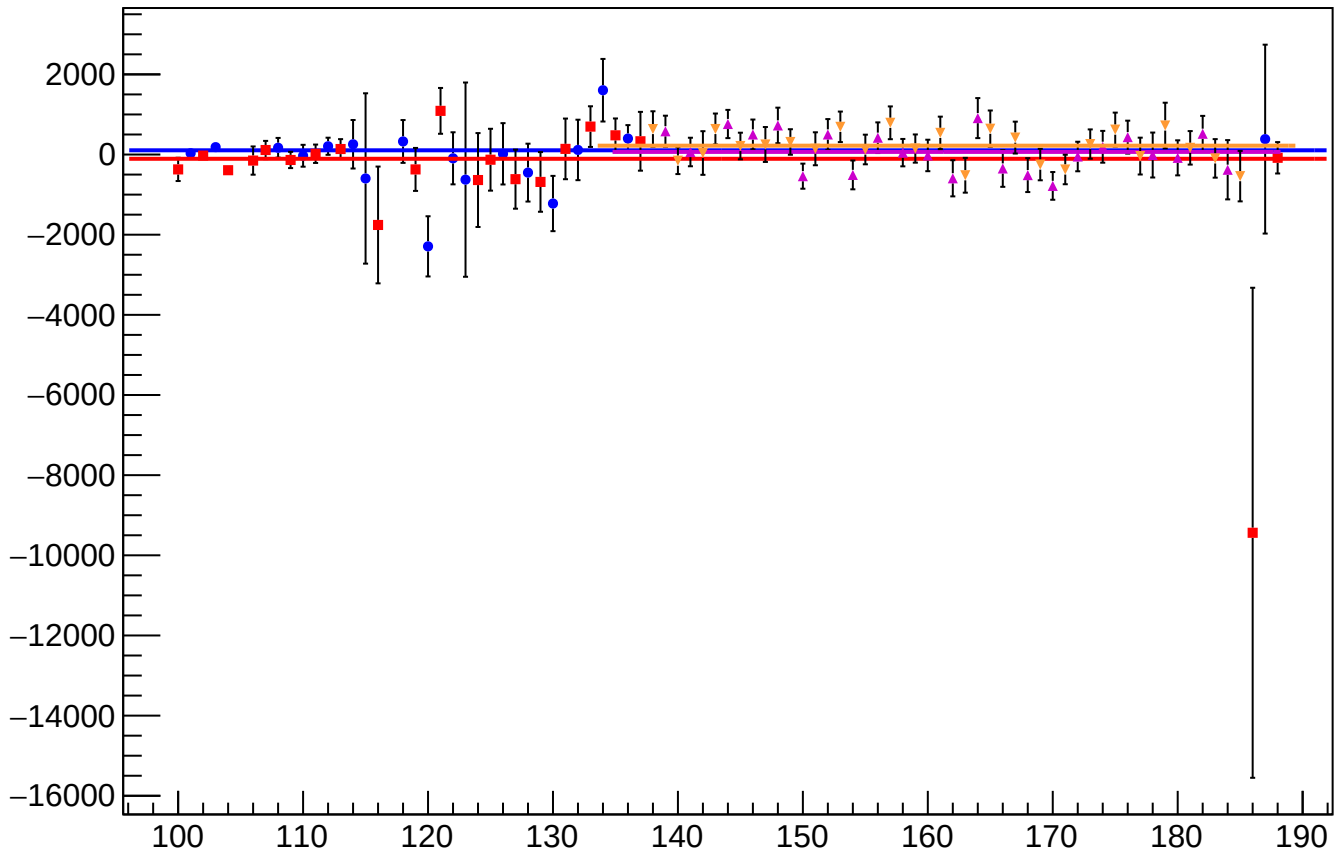
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 168.516+/-0.031 χ^2/NDF : 19446588.7/42

All: 175.256+/-0.022 χ^2/NDF : 36766492.8/80

- sign 182.339+/-0.031 χ^2/NDF : 17220325.4/43

asym_sam_15_avg_mean vs Slug



Right In: 105.862 $\pm$ 63.164 χ^2 /NDF: 21.0/17

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -106.058 $\pm$ 60.152 χ^2 /NDF: 23.6/20

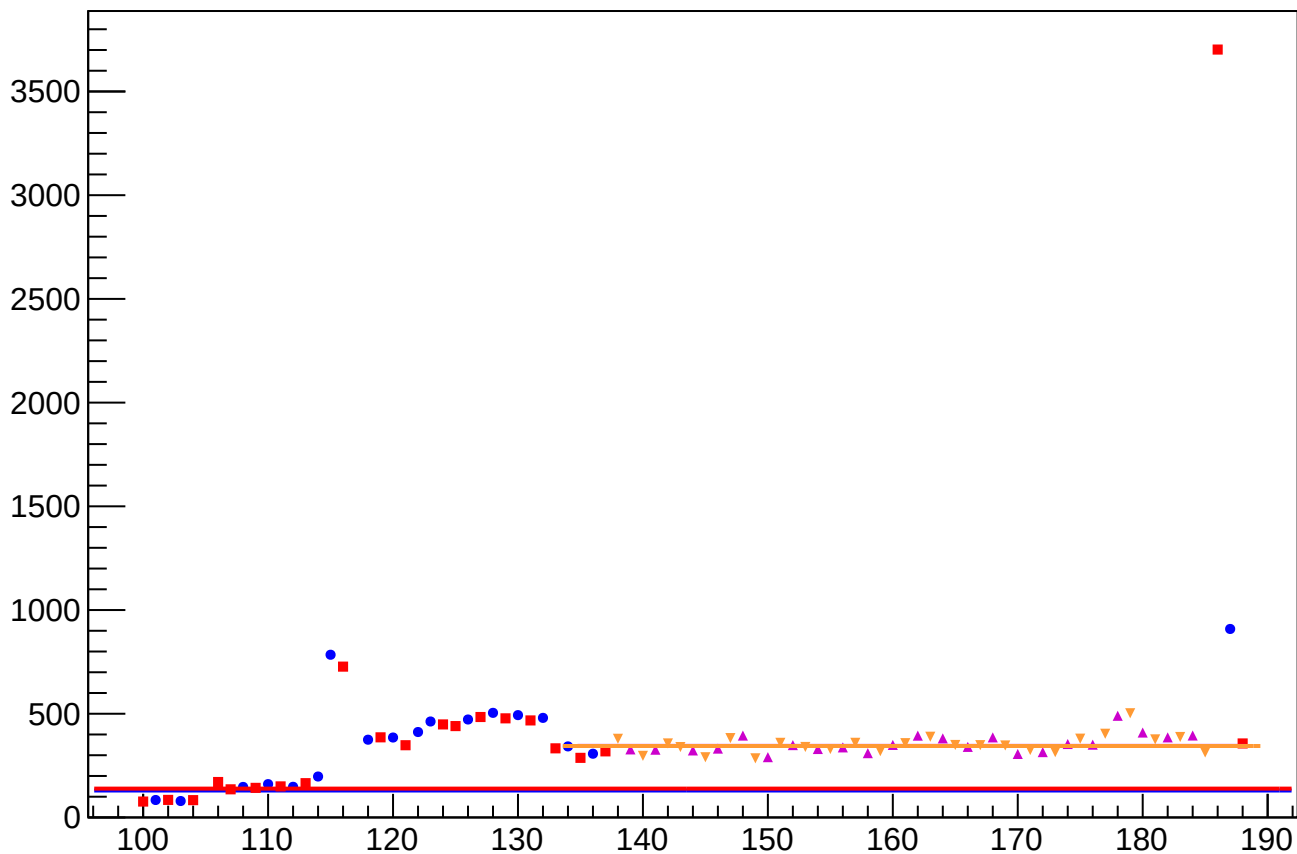
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 149.420 $\pm$ 49.814 χ^2 /NDF: 42.0/42

All: 48.991 $\pm$ 34.849 χ^2 /NDF: 110.3/86

- sign -47.274 $\pm$ 48.770 χ^2 /NDF: 60.3/43

asym_sam_15_avg_rms vs Slug



Right In: 129.936 $\pm$ 0.045 χ^2 /NDF: 4977144.1/17

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF: 488323.4/24

Right Out: 139.050 $\pm$ 0.043 χ^2 /NDF: 5664149.9/20

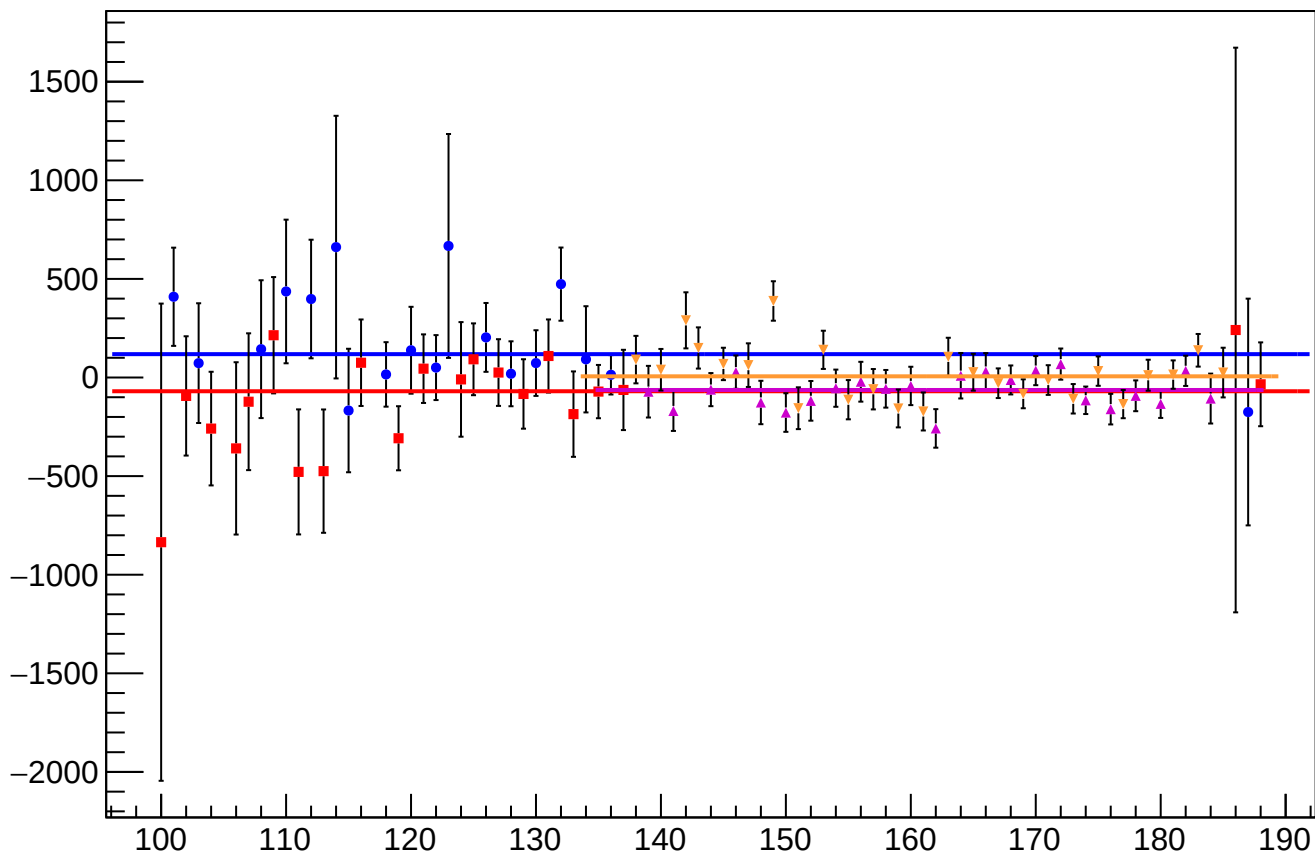
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 211.052 $\pm$ 0.035 χ^2 /NDF: 14190392.7/42

All: 210.325 $\pm$ 0.025 χ^2 /NDF: 28318788.6/80

- sign 209.628 $\pm$ 0.034 χ^2 /NDF: 14127561.5/43

reg_asym_sam_26_avg_mean vs Slug



Right In: 118.445 $\pm$ 49.021 χ^2 /NDF: 11.7/17

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF:46.0/24

Right Out: -69.691 $\pm$ 48.690 χ^2 /NDF: 11.0/20

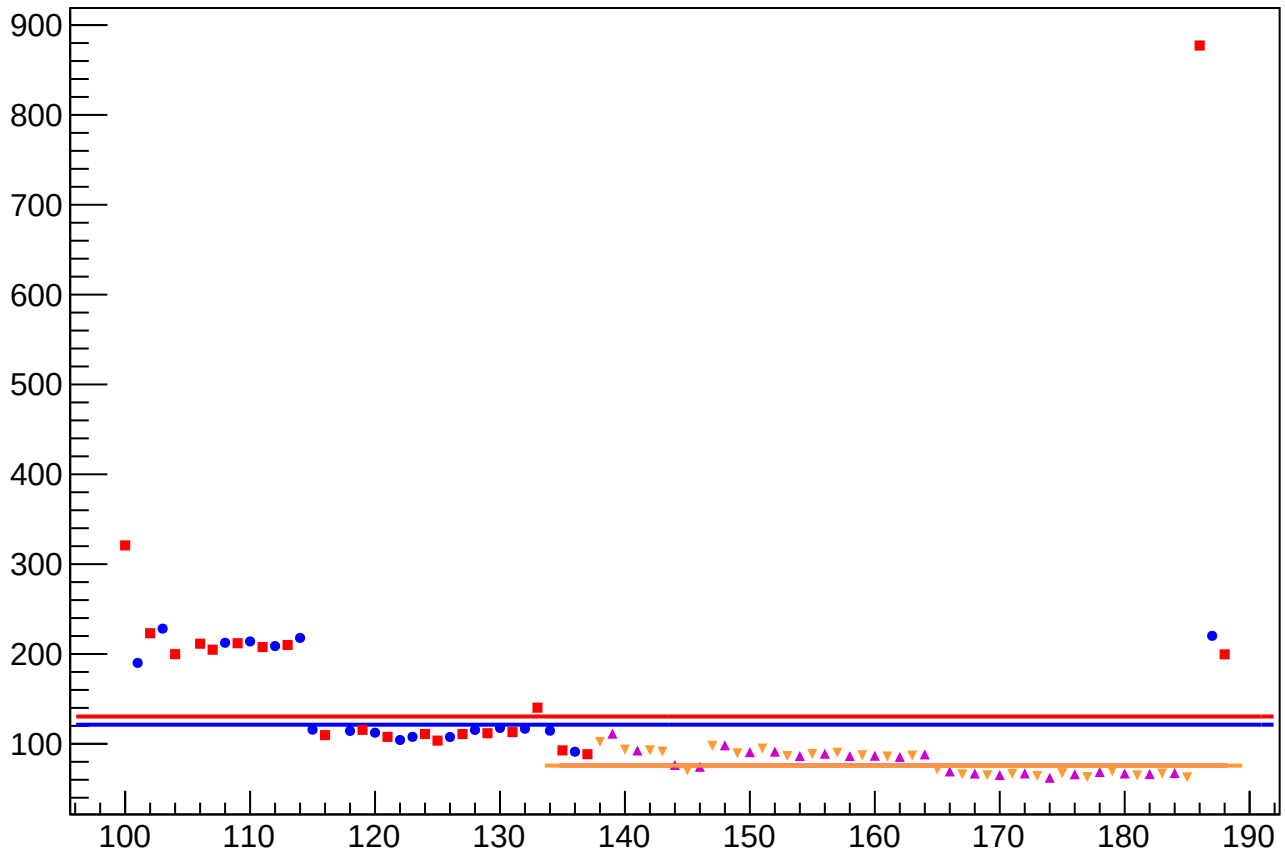
Left In: -63.279 $\pm$ 18.447 χ^2 /NDF:19.8/22

+ sign 19.259 $\pm$ 16.822 χ^2 /NDF: 62.4/42

All: -21.366 $\pm$ 12.044 χ^2 /NDF: 105.2/86

- sign -64.084 $\pm$ 17.250 χ^2 /NDF: 30.9/43

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.300 $\pm$ 0.035 χ^2 /NDF: 1166989.2/17

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 130.414 $\pm$ 0.034 χ^2 /NDF: 2103542.4/20

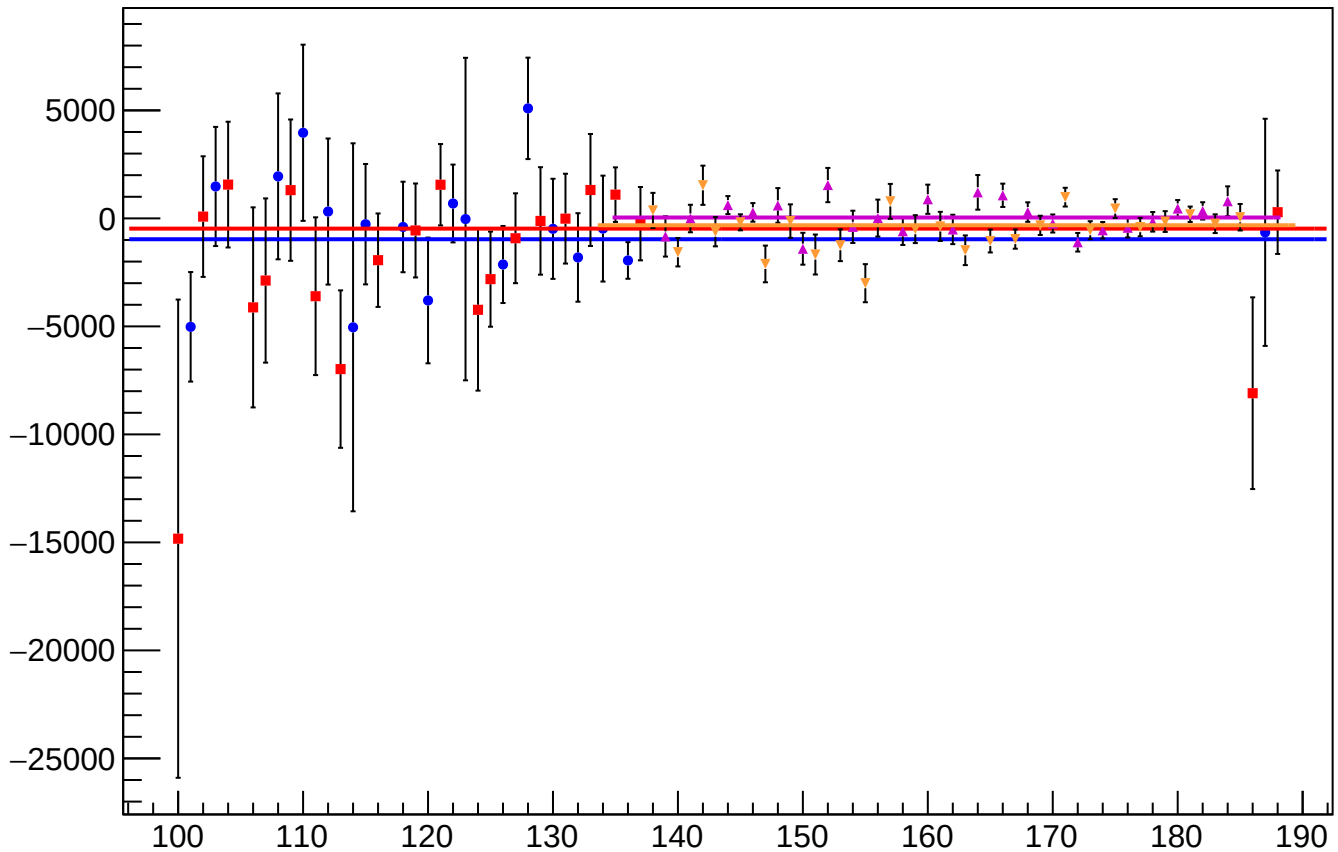
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 81.108 $\pm$ 0.012 χ^2 /NDF: 3628756.3/42

All: 81.908 $\pm$ 0.009 χ^2 /NDF: 8764541.0/86

- sign 82.751 $\pm$ 0.012 χ^2 /NDF: 5126486.1/43

asym_sam_26_avg_correction_mean vs Slug



Right In: -965.598 ± 510.983 χ^2/NDF : 16.4/17

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -473.856 ± 522.476 χ^2/NDF : 16.5/20

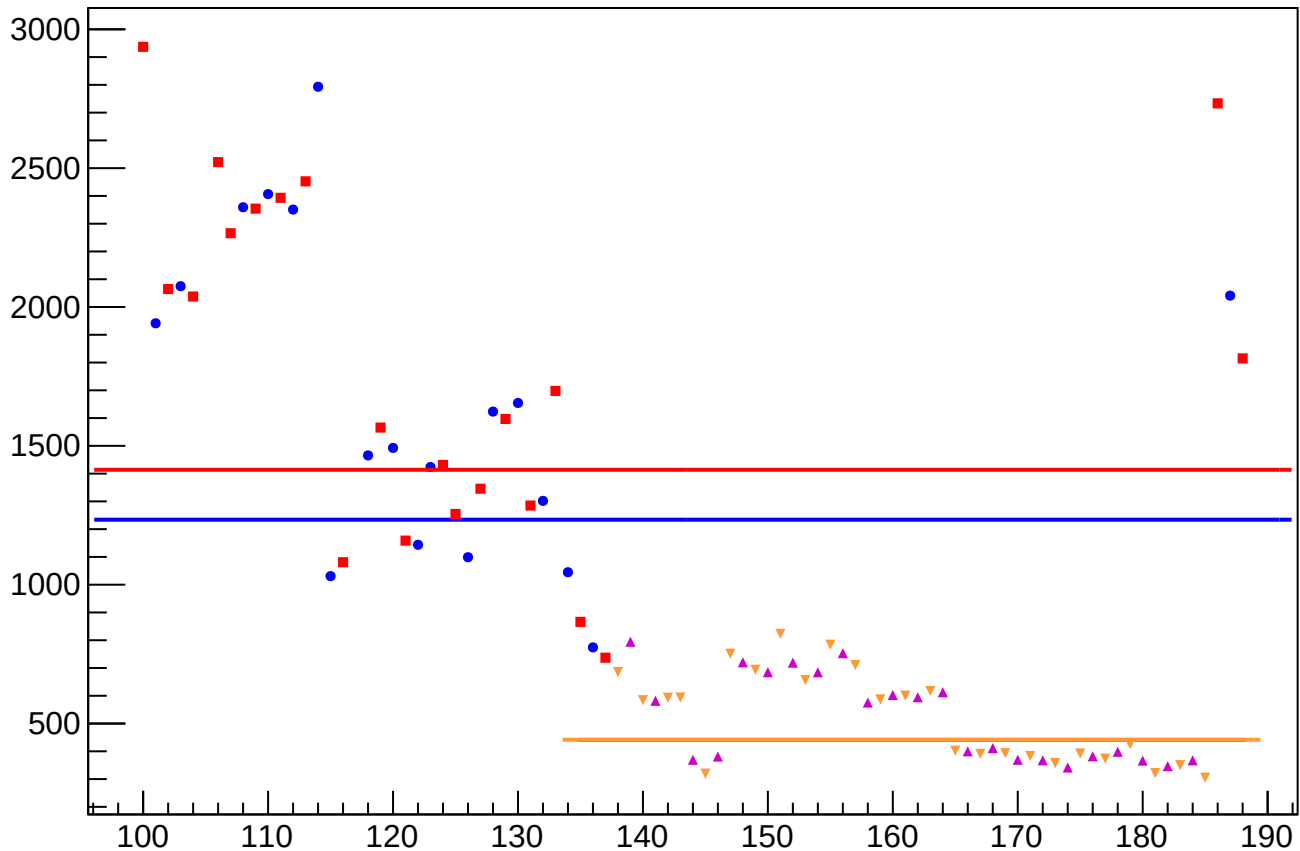
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -345.761 ± 105.678 χ^2/NDF : 67.9/42

All: -167.357 ± 75.491 χ^2/NDF : 125.9/86

- sign 18.547 ± 107.877 χ^2/NDF : 52.1/43

asym_sam_26_avg_correction_rms vs Slug



Right In: 1234.101+/-0.361 χ^2 /NDF: 1801916.5/17

Left Out: 441.685+/-0.076 χ^2 /NDF: 3169140.9/24

+ sign 475.578+/-0.075 χ^2 /NDF: 9575102.5/42

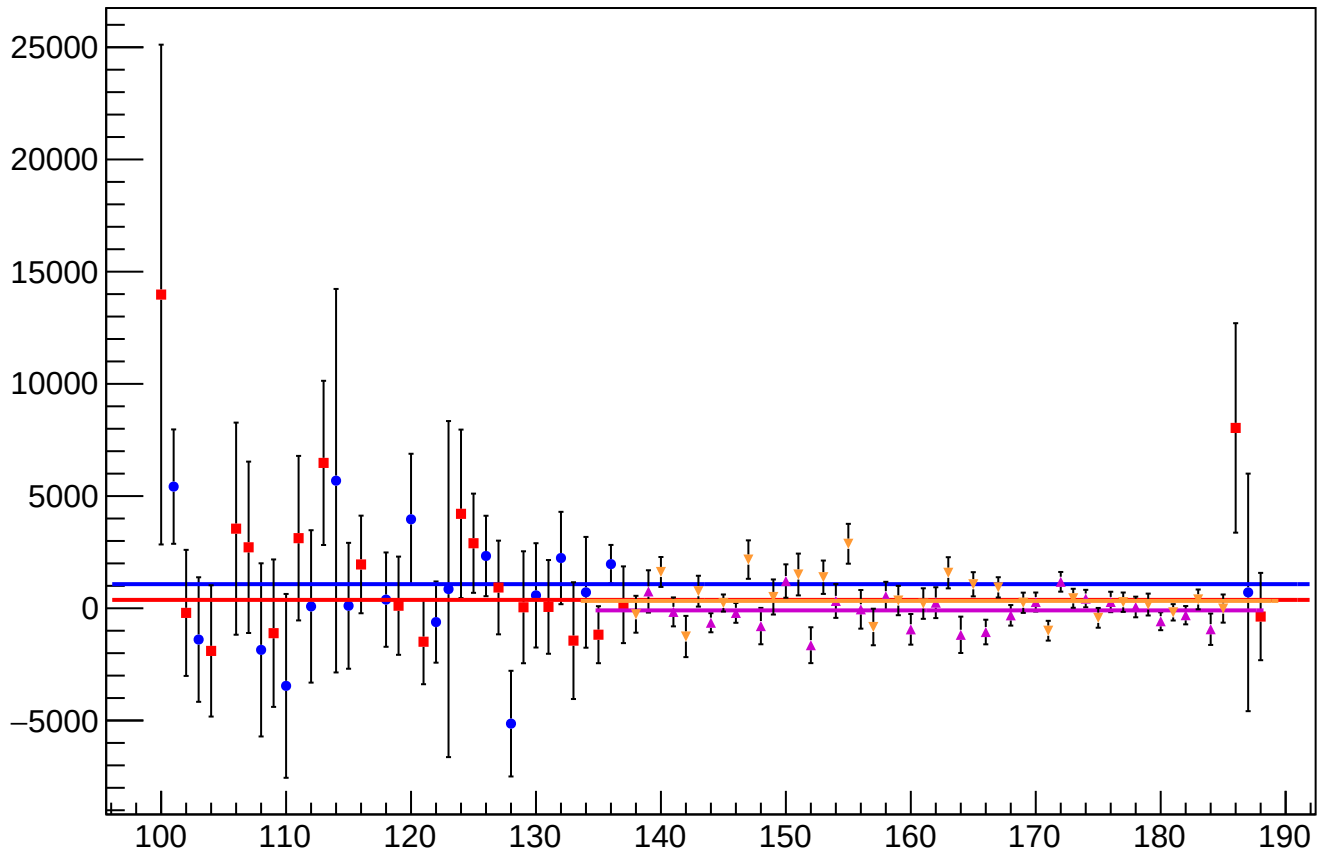
Right Out: 1413.824+/-0.369 χ^2 /NDF: 2030632.0/20

All: 478.958+/-0.053 χ^2 /NDF: 20844939.6/80

- sign 482.480+/-0.076 χ^2 /NDF: 11265658.5/43

Left In: 441.009+/-0.078 χ^2 /NDF: 2597018.1/22

asym_sam_26_avg_mean vs Slug



Right In: 1075.375 $\pm$ 513.907 χ^2 /NDF: 16.9/17

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: 374.064 $\pm$ 525.558 χ^2 /NDF: 15.3/20

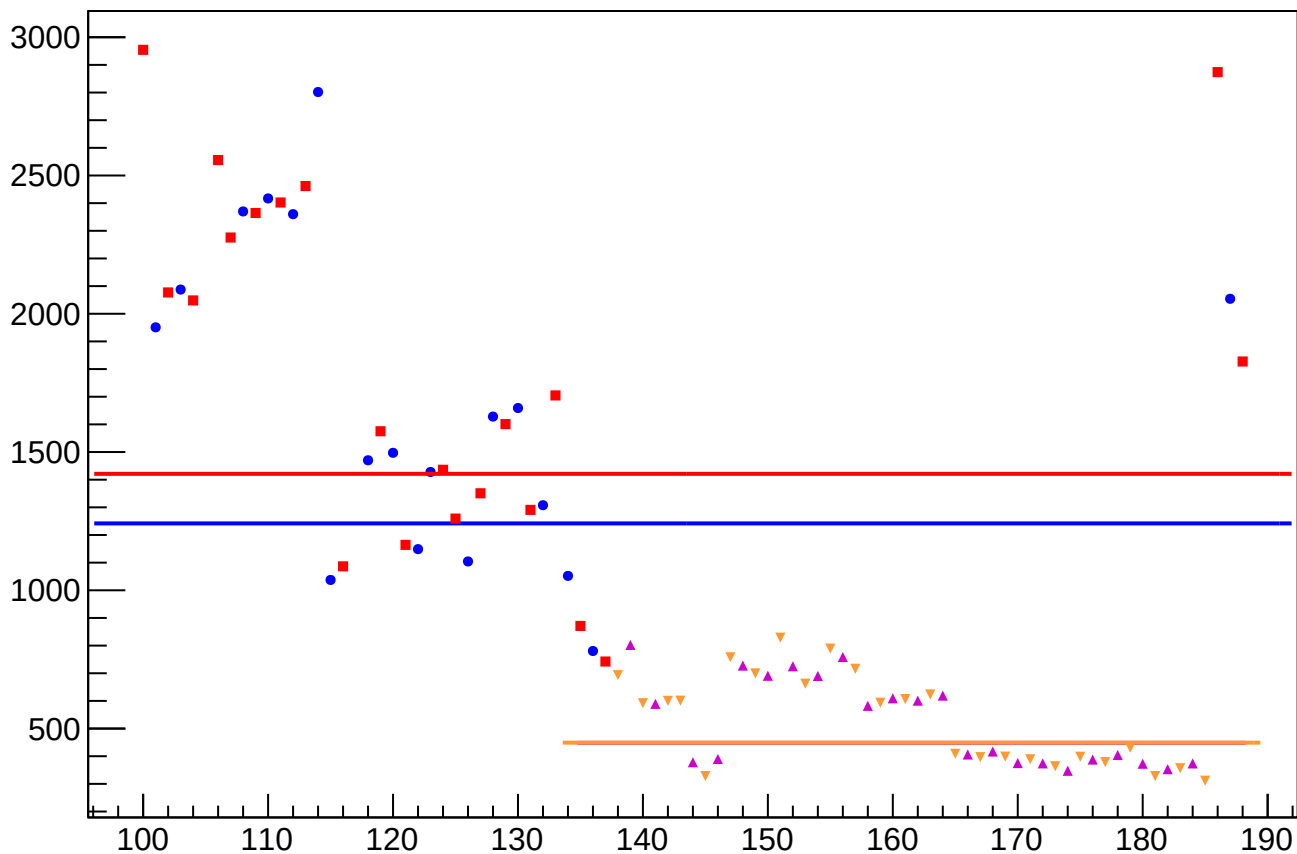
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 361.125 $\pm$ 107.253 χ^2 /NDF: 66.6/42

All: 148.557 $\pm$ 76.622 χ^2 /NDF: 124.1/86

- sign -73.021 $\pm$ 109.503 χ^2 /NDF: 49.4/43

asym_sam_26_avg_rms vs Slug



Right In: 1241.864+/-0.363 χ^2/NDF : 1789521.9/17

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1421.115+/-0.372 χ^2/NDF : 2044281.2/20

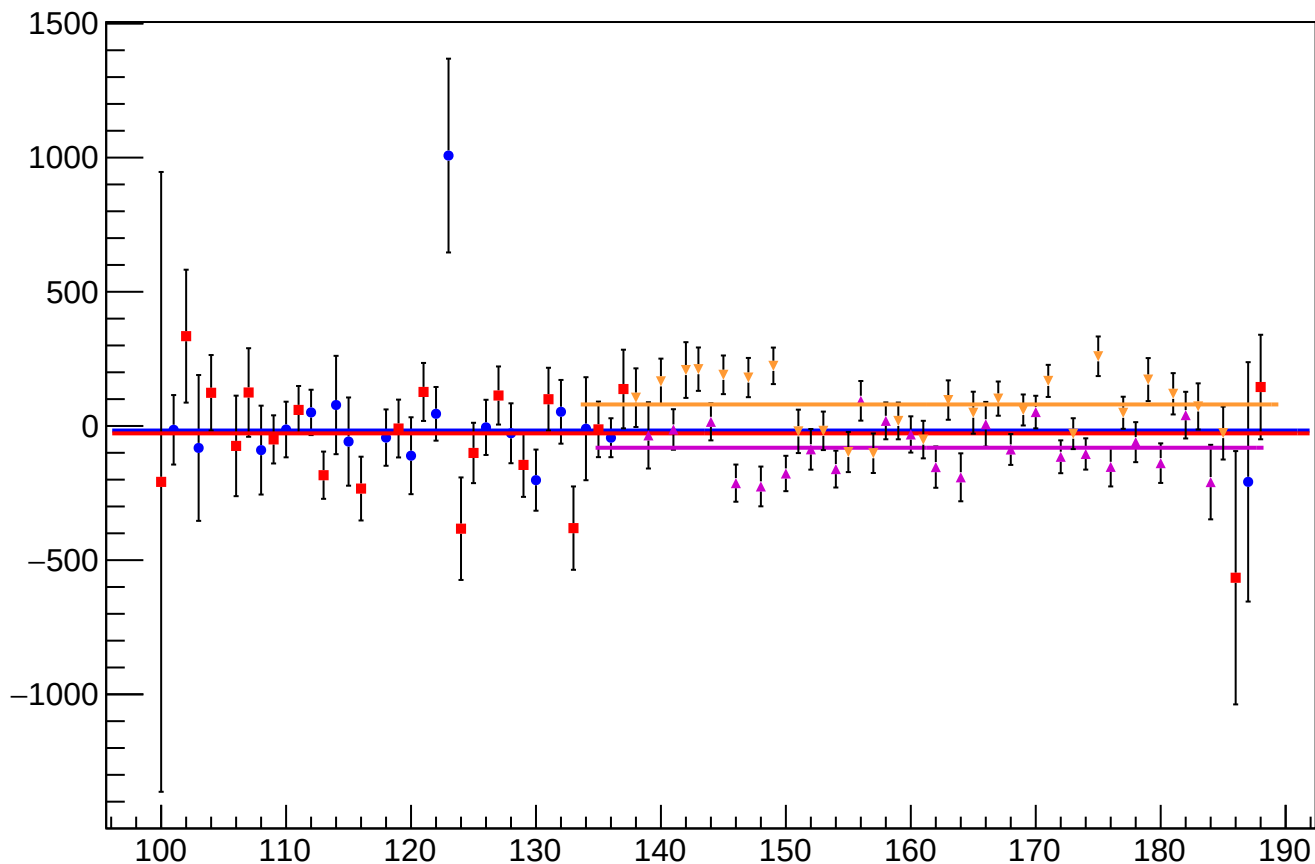
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 483.550+/-0.076 χ^2/NDF : 9433019.6/42

All: 486.972+/-0.054 χ^2/NDF : 20573782.4/80

- sign 490.538+/-0.077 χ^2/NDF : 11136605.4/43

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.007 ± 28.846 $\chi^2/\text{NDF}: 13.5/17$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -27.595 ± 27.715 $\chi^2/\text{NDF}: 29.7/20$

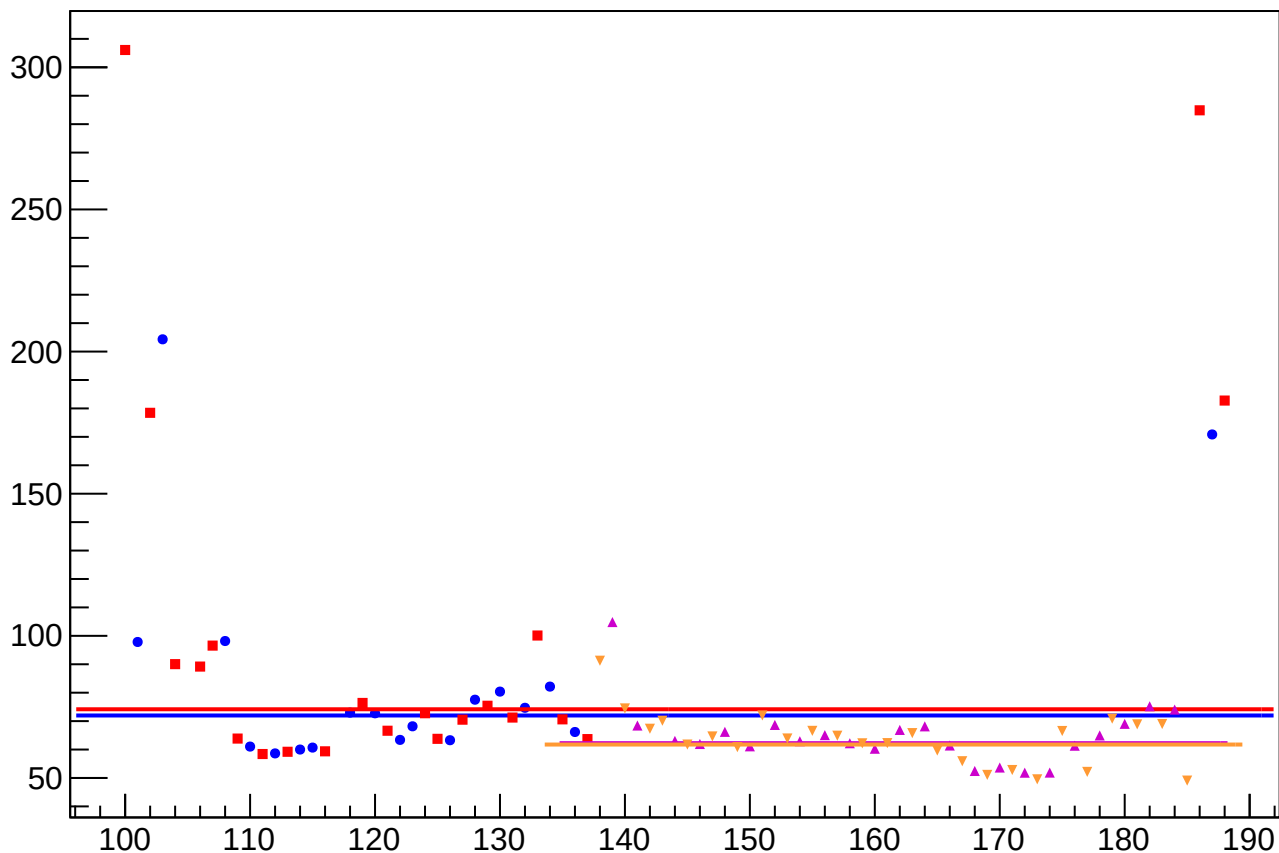
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 60.370 ± 13.021 $\chi^2/\text{NDF}: 71.1/42$

All: -3.068 ± 9.292 $\chi^2/\text{NDF}: 187.3/86$

- sign -68.890 ± 13.263 $\chi^2/\text{NDF}: 67.9/43$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.982 ± 0.020 χ^2/NDF : 857398.9/17

Left Out: 61.761 ± 0.010 χ^2/NDF : 645535.0/24

Right Out: 74.170 ± 0.020 χ^2/NDF : 1808671.2/20

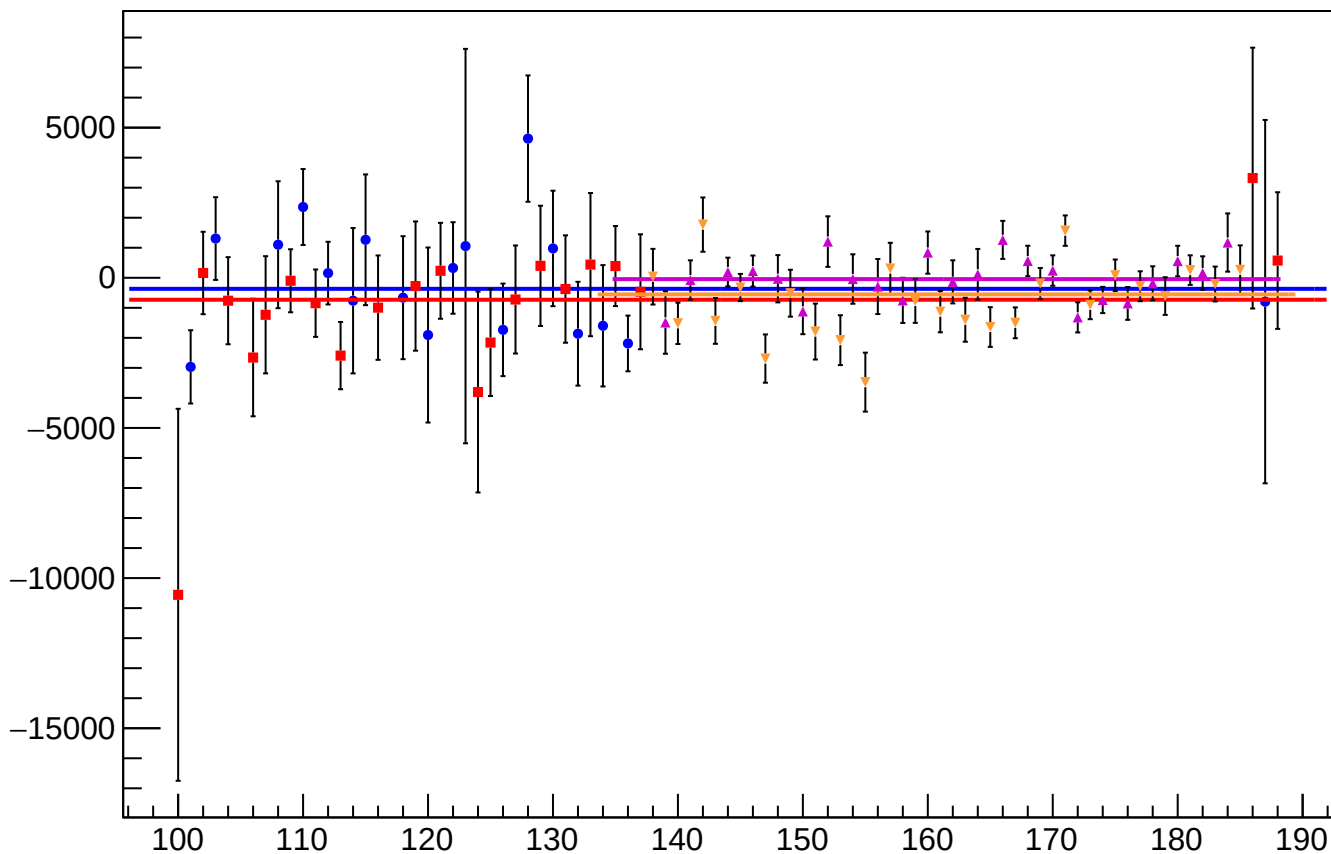
Left In: 62.250 ± 0.011 χ^2/NDF : 591085.1/22

+ sign 63.844 ± 0.009 χ^2/NDF : 1702870.8/42

All: 64.401 ± 0.007 χ^2/NDF : 4395352.3/86

- sign 64.980 ± 0.009 χ^2/NDF : 2685006.6/43

asym_sam_37_avg_correction_mean vs Slug



Right In: -367.449 ± 382.212 χ^2/NDF : 24.4/17

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -730.641 ± 364.439 χ^2/NDF : 11.5/20

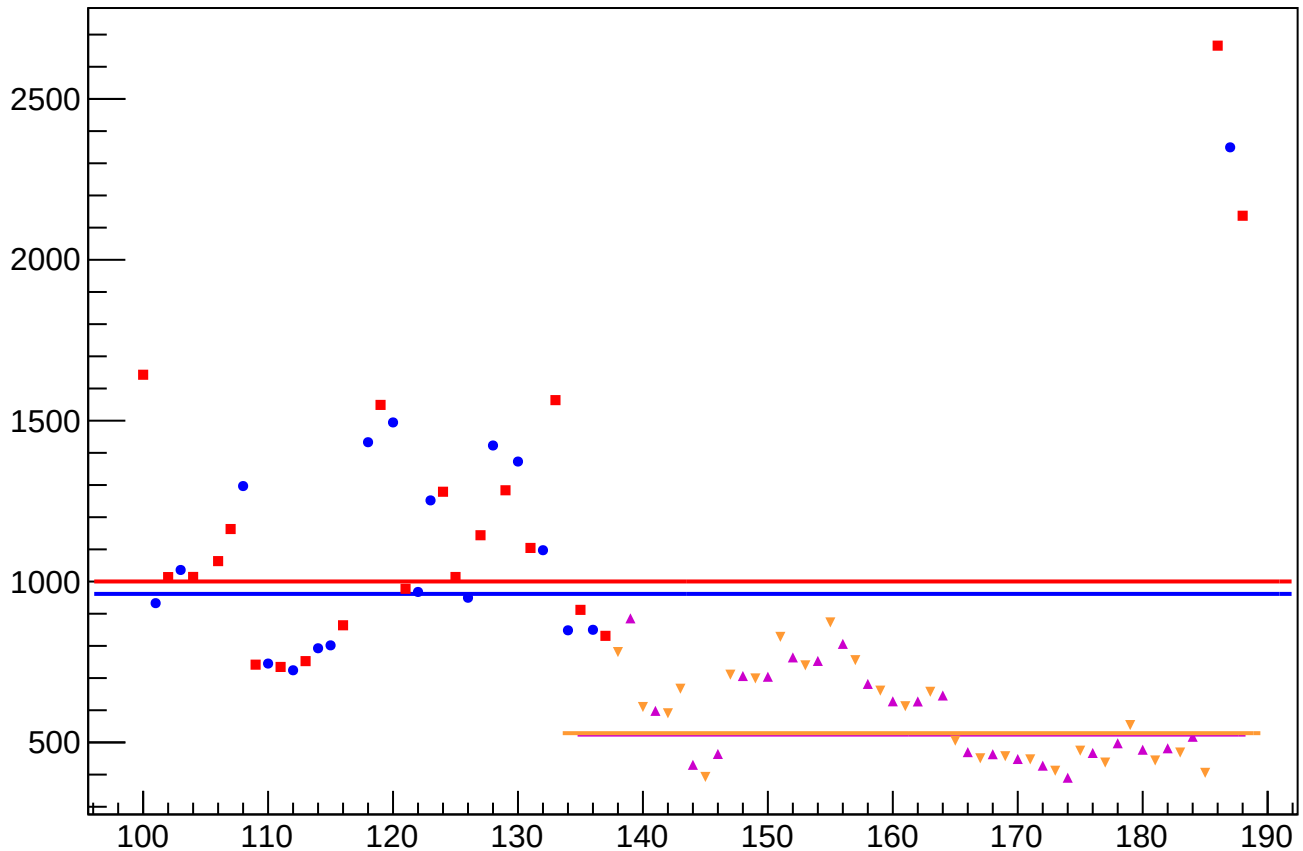
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -534.115 ± 120.505 χ^2/NDF : 89.9/42

All: -329.605 ± 85.624 χ^2/NDF : 140.0/86

- sign -121.066 ± 121.686 χ^2/NDF : 44.2/43

asym_sam_37_avg_correction_rms vs Slug



Right In: 961.610+/-0.270 χ^2/NDF : 757385.5/17

Left Out: 528.736+/-0.090 χ^2/NDF :1983697.7/24

Right Out: 1000.238+/-0.258 χ^2/NDF : 1515069.8/20

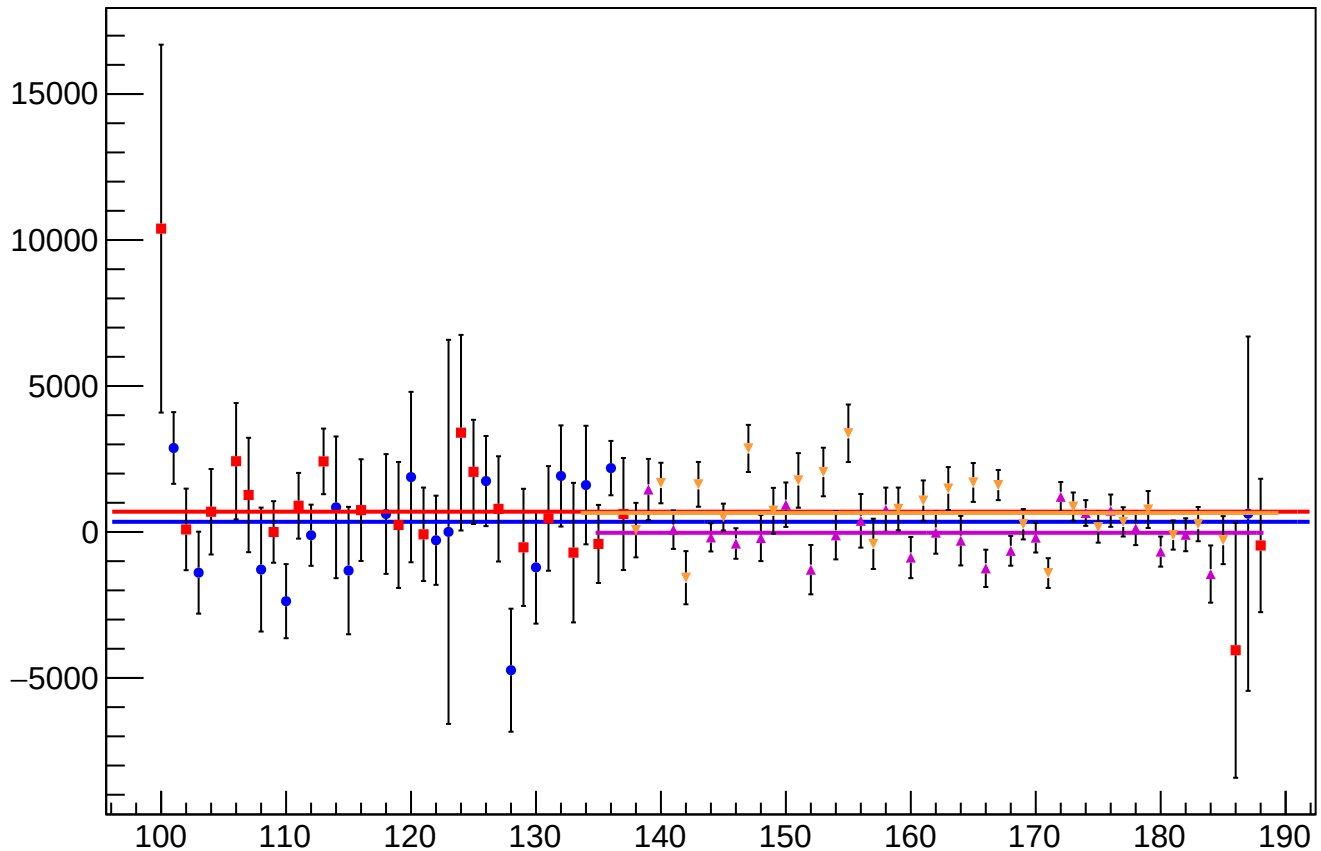
Left In: 524.268+/-0.091 χ^2/NDF :1716257.3/22

+ sign 571.765+/-0.085 χ^2/NDF : 5051419.2/42

All: 574.522+/-0.061 χ^2/NDF : 11315973.5/86

- sign 577.333+/-0.086 χ^2/NDF : 6262439.9/43

asym_sam_37_avg_mean vs Slug



Right In: 348.275 ± 383.946 χ^2/NDF : 24.7/17

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 695.200 ± 366.276 χ^2/NDF : 10.6/20

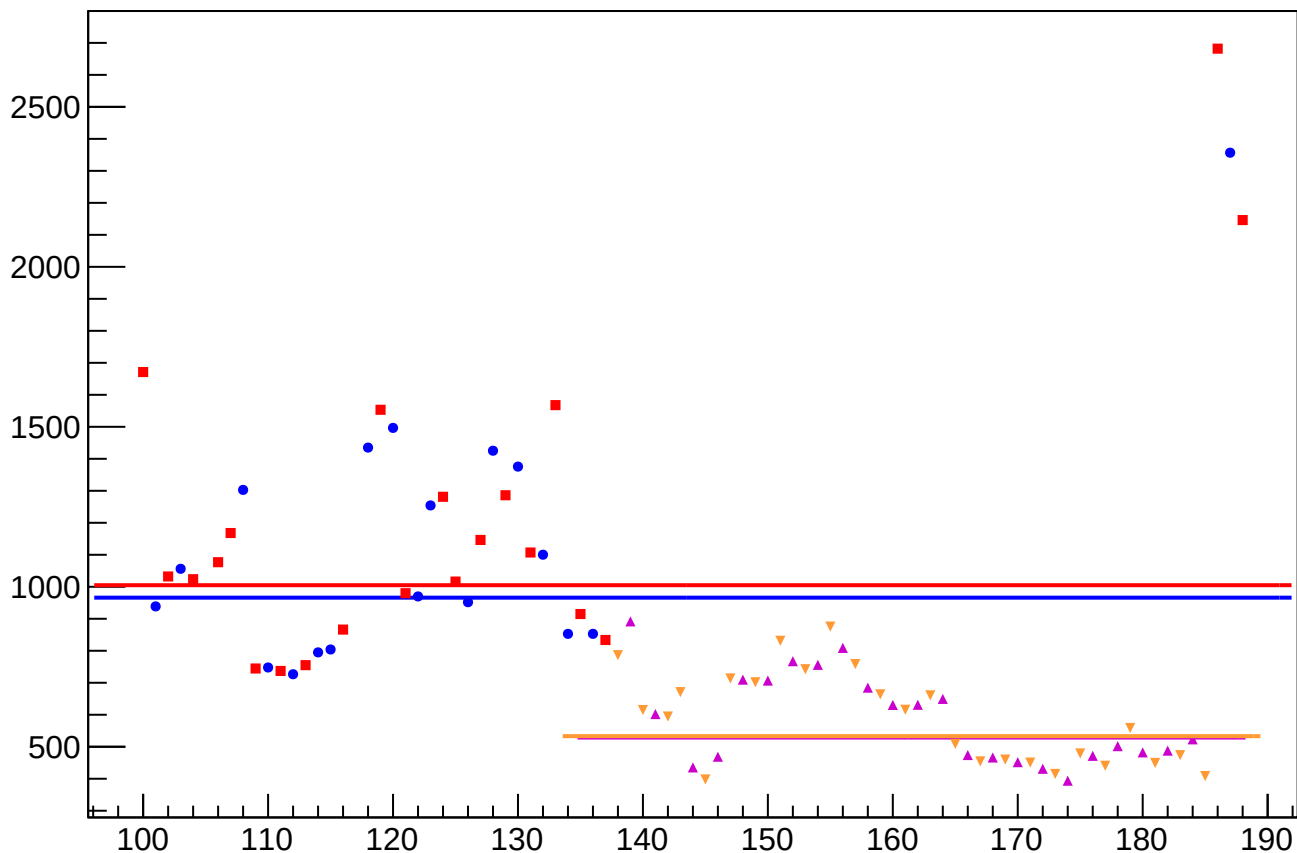
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 621.240 ± 121.397 χ^2/NDF : 86.3/42

All: 340.217 ± 86.269 χ^2/NDF : 139.6/86

- sign 53.509 ± 122.618 χ^2/NDF : 42.5/43

asym_sam_37_avg_rms vs Slug



Right In: 965.989 ± 0.271 χ^2/NDF : 757212.9/17

Left Out: 533.060 ± 0.090 χ^2/NDF : 1951536.4/24

Right Out: 1004.940 ± 0.259 χ^2/NDF : 1517916.0/20

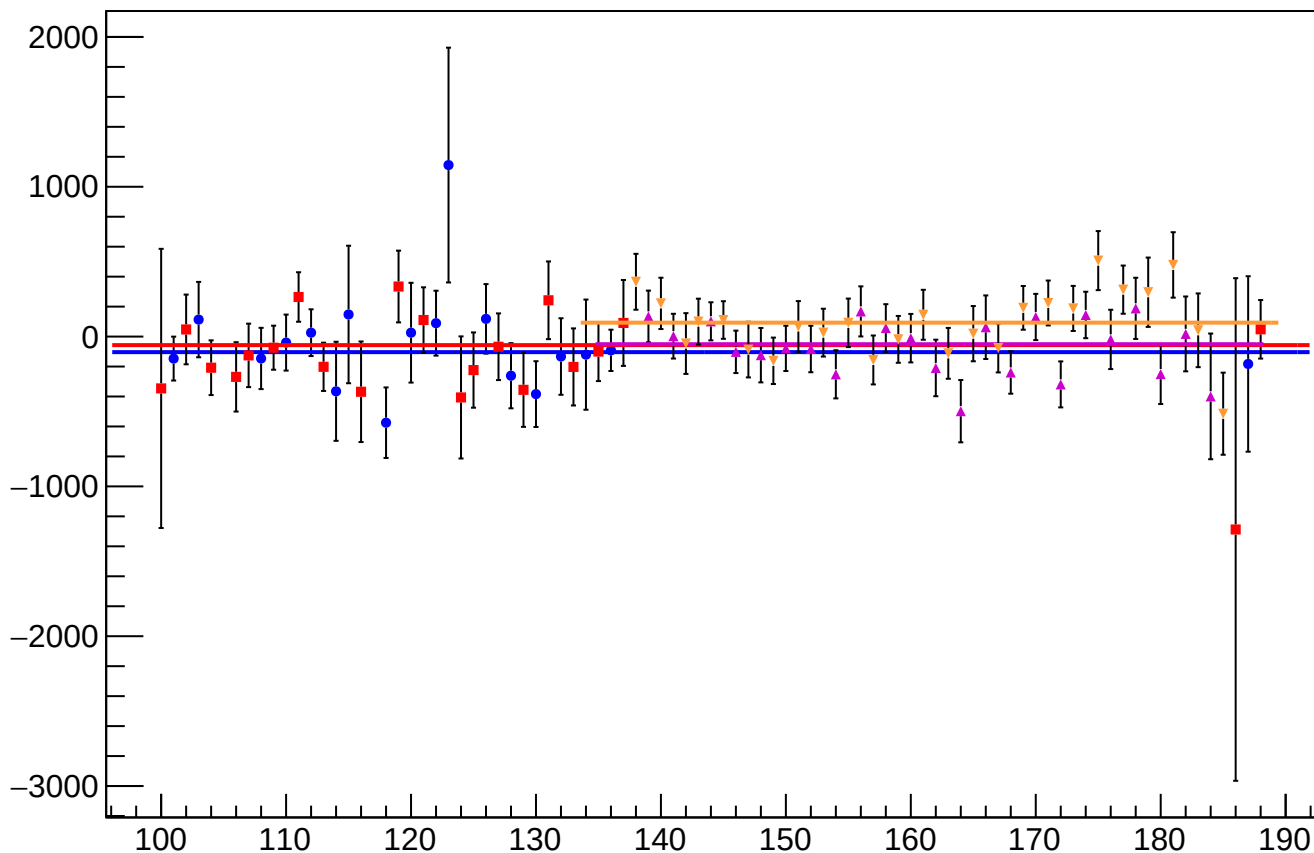
Left In: 528.694 ± 0.092 χ^2/NDF : 1688511.2/22

+ sign 576.340 ± 0.086 χ^2/NDF : 4997405.2/42

All: 579.175 ± 0.061 χ^2/NDF : 11208325.6/86

- sign 582.067 ± 0.087 χ^2/NDF : 6208717.1/43

reg_asym_sam_48_avg_mean vs Slug



Right In: -103.830 ± 52.806 χ^2/NDF : 13.2/17

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: -57.045 ± 49.255 χ^2/NDF : 16.1/20

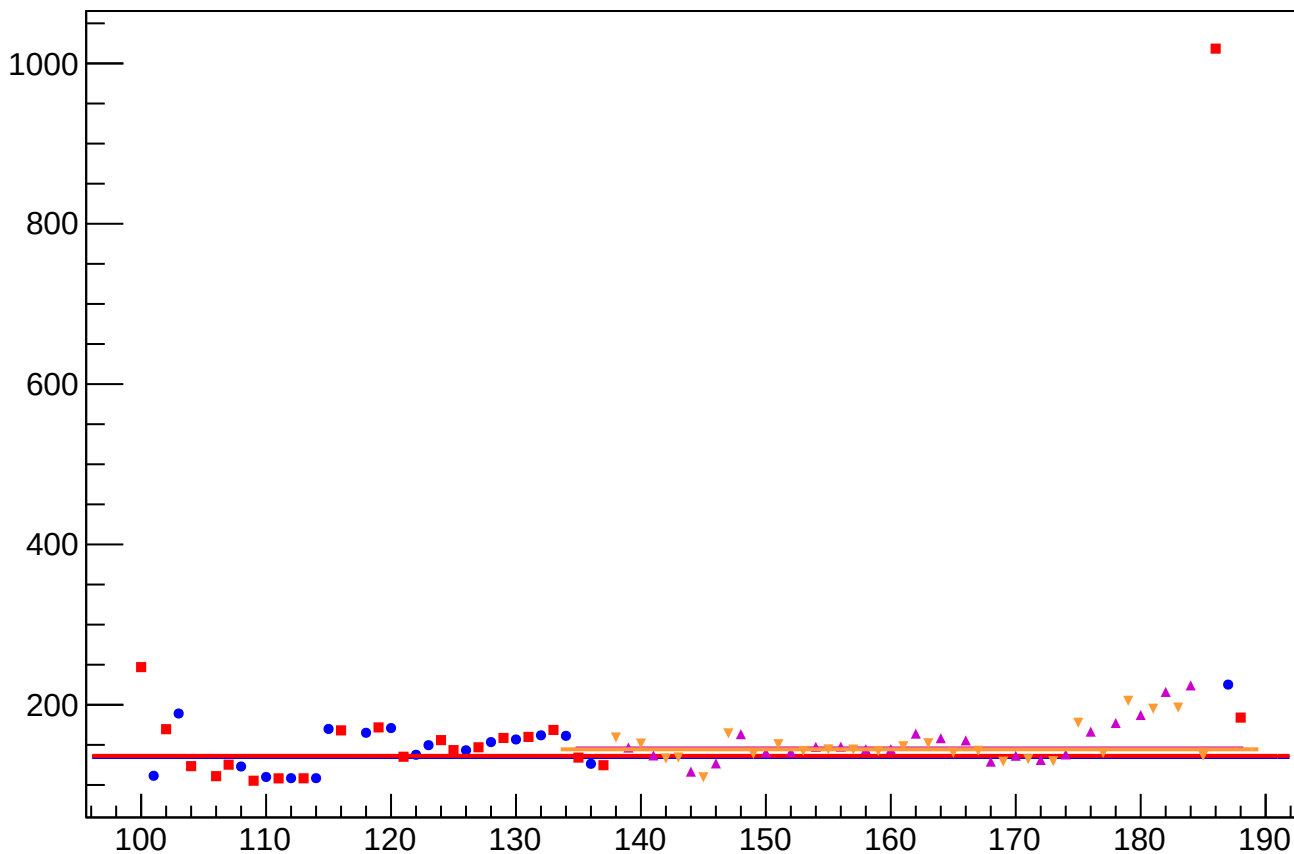
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 35.183 ± 28.619 χ^2/NDF : 52.4/42

All: -8.803 ± 20.259 χ^2/NDF : 96.7/86

- sign -52.981 ± 28.681 χ^2/NDF : 39.5/43

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.863 $\pm$ 0.037 χ^2 /NDF: 450455.3/17

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 136.294 $\pm$ 0.035 χ^2 /NDF: 1128723.6/20

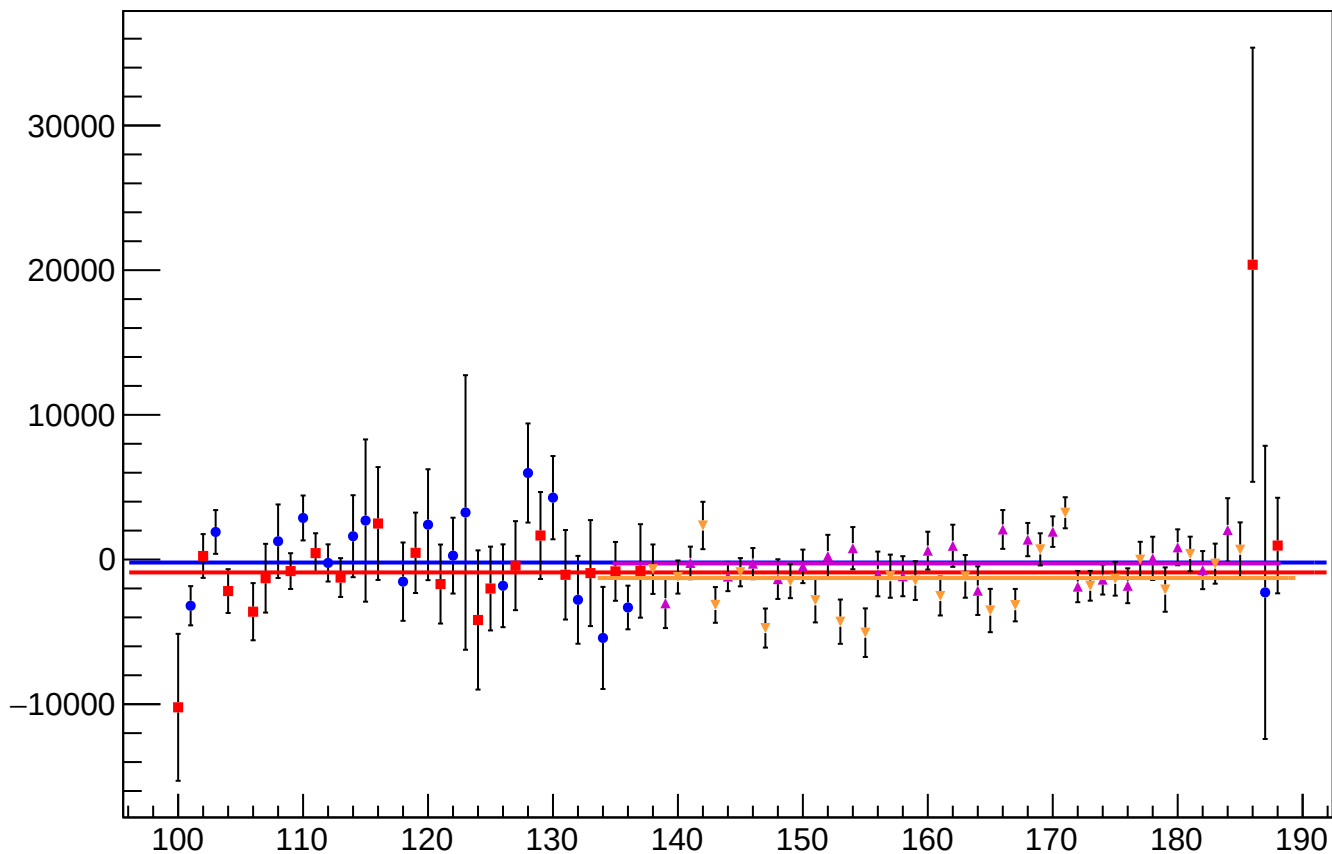
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 141.652 $\pm$ 0.020 χ^2 /NDF: 1167751.0/42

All: 142.026 $\pm$ 0.014 χ^2 /NDF: 2987214.8/86

- sign 142.401 $\pm$ 0.020 χ^2 /NDF: 1818779.4/43

asym_sam_48_avg_correction_mean vs Slug



Right In: -207.279 ± 524.185 χ^2/NDF : 25.8/17

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -892.384 ± 476.295 χ^2/NDF : 12.4/20

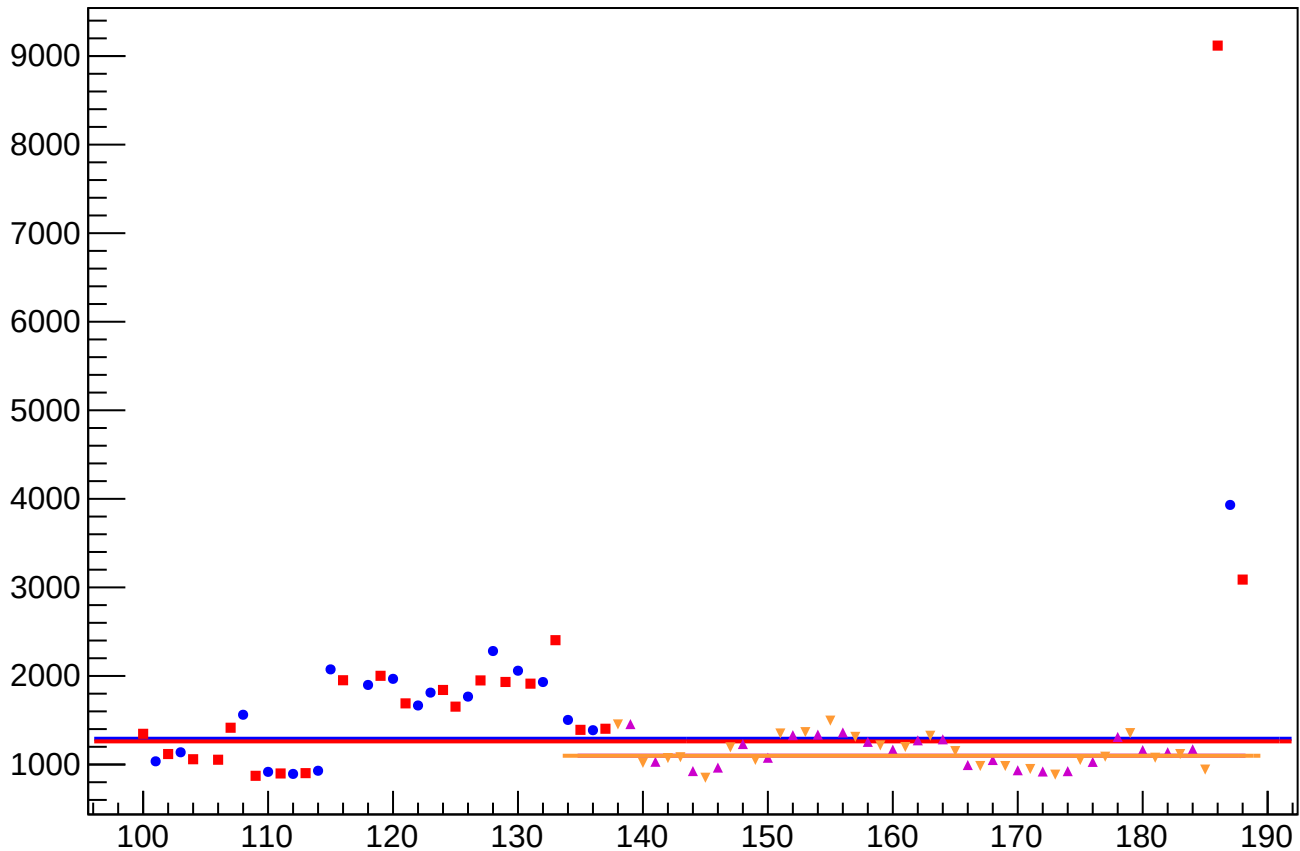
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1068.571 ± 232.417 χ^2/NDF : 85.1/42

All: -743.332 ± 164.338 χ^2/NDF : 127.0/86

- sign -418.140 ± 232.400 χ^2/NDF : 37.9/43

asym_sam_48_avg_correction_rms vs Slug



Right In: 1290.968+/-0.371 χ^2/NDF : 1307838.6/17

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1261.115+/-0.337 χ^2/NDF : 2540609.0/20

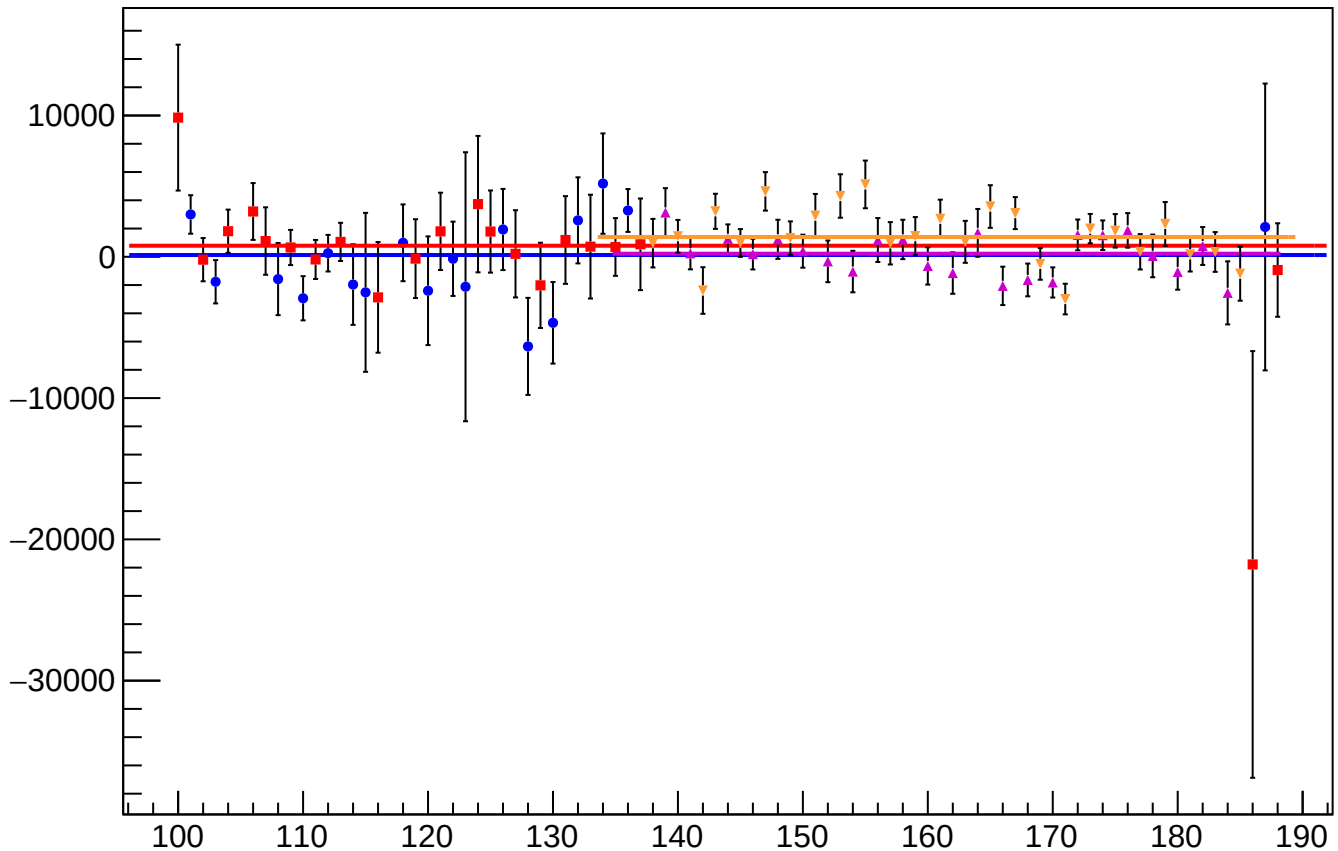
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1136.666+/-0.164 χ^2/NDF : 2347873.8/42

All: 1137.354+/-0.116 χ^2/NDF : 5743679.4/80

- sign 1138.042+/-0.164 χ^2/NDF : 3395770.6/43

asym_sam_48_avg_mean vs Slug



Right In: 125.591 ± 527.591 χ^2/NDF : 25.3/17

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 784.706 ± 479.885 χ^2/NDF : 11.0/20

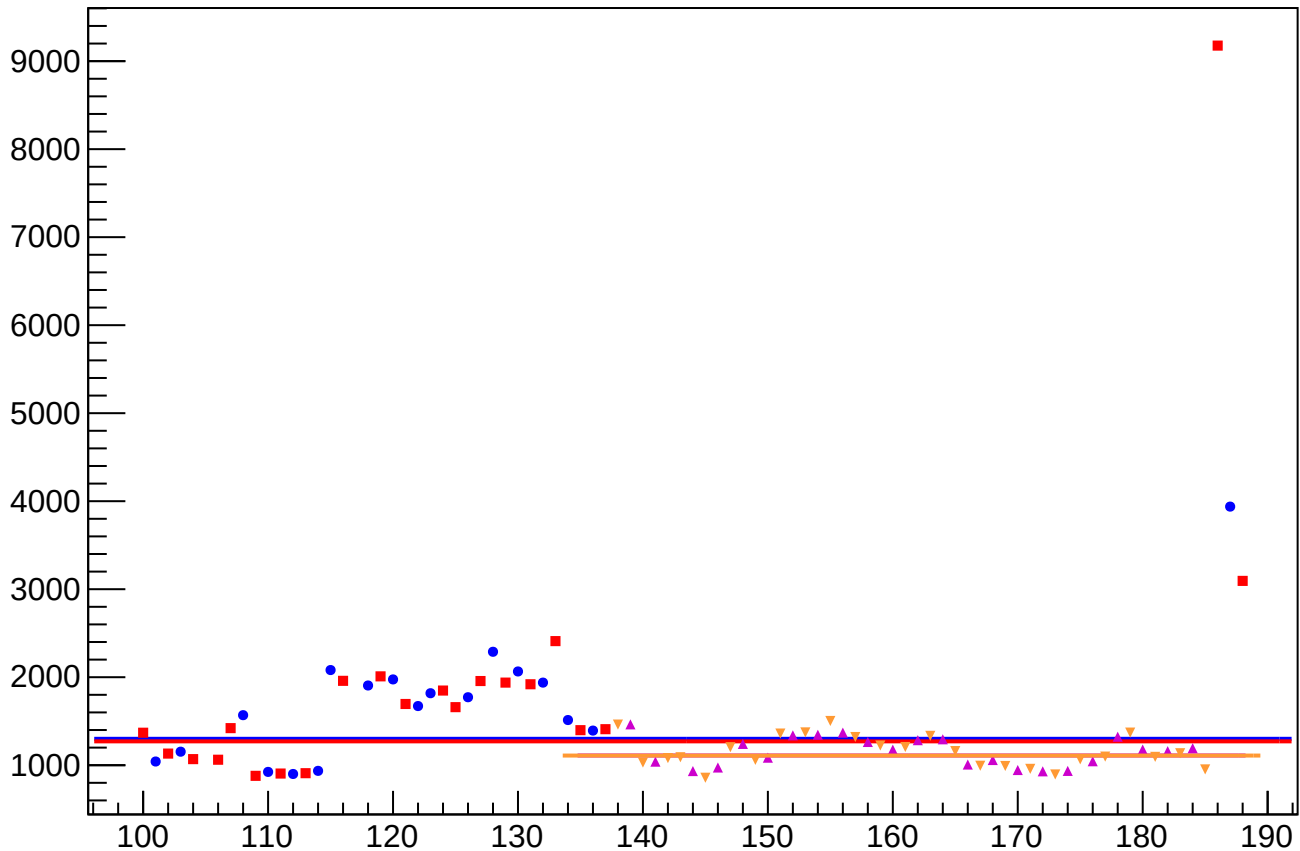
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1148.562 ± 234.518 χ^2/NDF : 82.3/42

All: 751.558 ± 165.841 χ^2/NDF : 125.1/86

- sign 354.441 ± 234.551 χ^2/NDF : 37.1/43

asym_sam_48_avg_rms vs Slug



Right In: 1300.139+/-0.373 χ^2/NDF : 1294245.4/17

Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24

Right Out: 1271.101+/-0.339 χ^2/NDF : 2520504.7/20

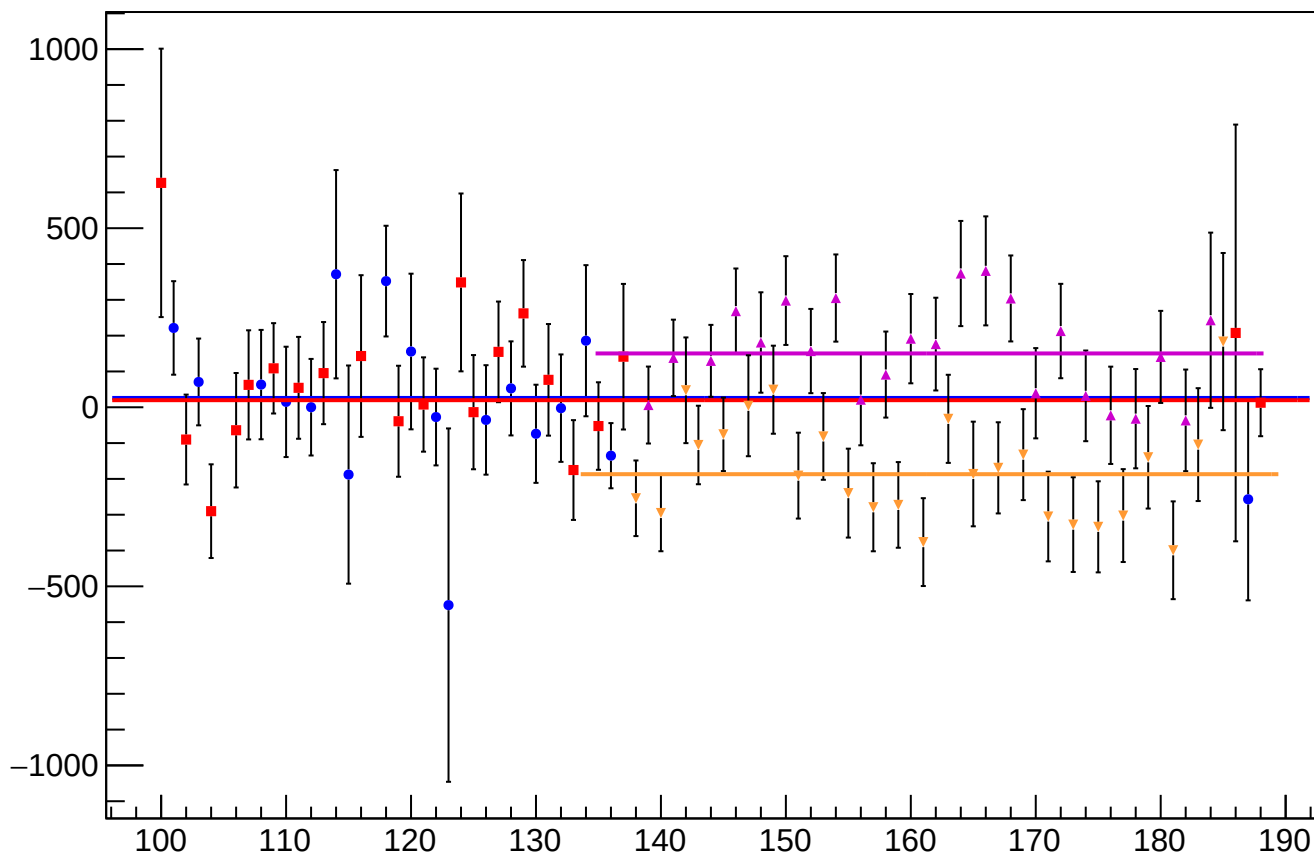
Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

+ sign 1147.377+/-0.166 χ^2/NDF : 2315382.2/42

All: 1148.138+/-0.117 χ^2/NDF : 5676259.1/80

- sign 1148.898+/-0.166 χ^2/NDF : 3360834.9/43

reg_asym_sam_15_dd_mean vs Slug



Right In: 26.028 ± 36.137 $\chi^2/\text{NDF}: 16.2/17$

Left Out: -186.838 ± 25.308 $\chi^2/\text{NDF}: 26.6/24$

Right Out: 19.802 ± 32.543 $\chi^2/\text{NDF}: 18.9/20$

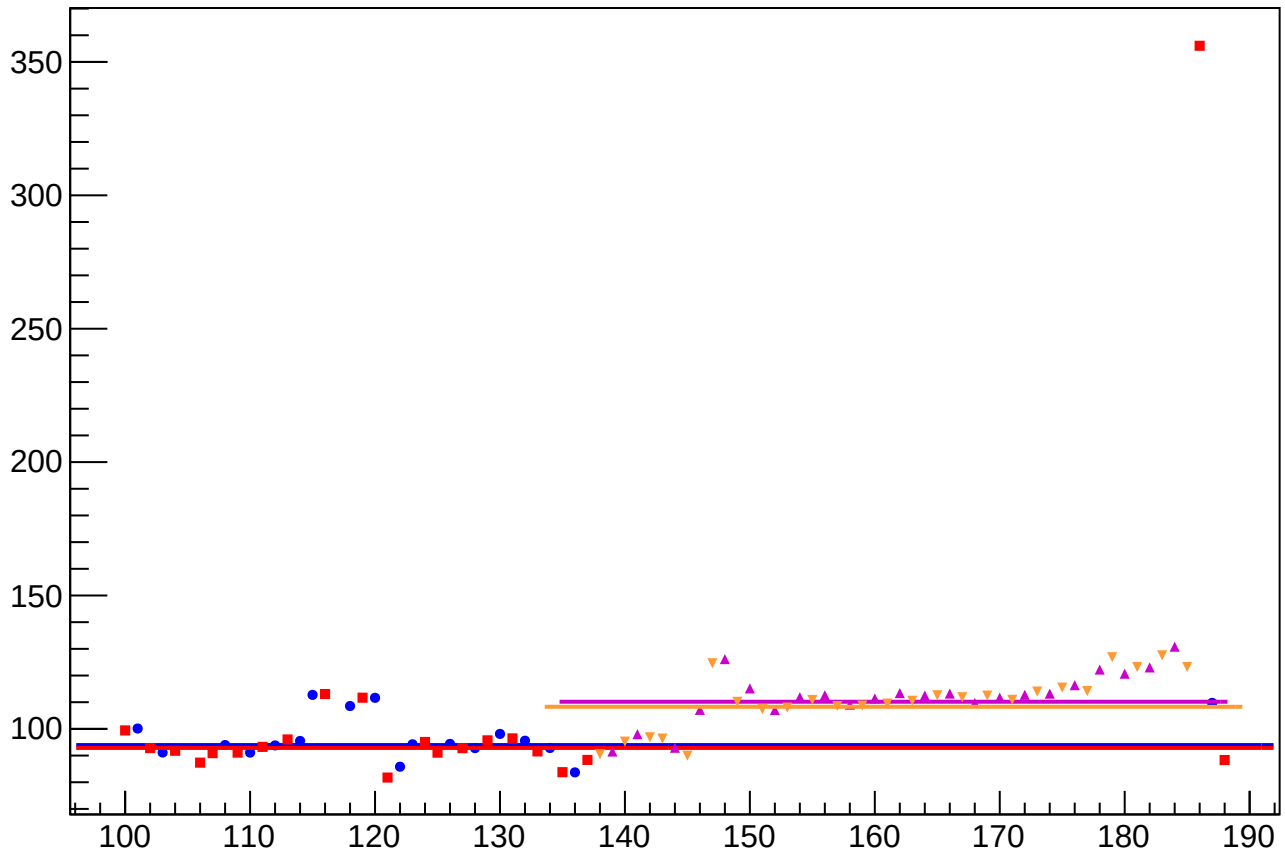
Left In: 150.315 ± 26.445 $\chi^2/\text{NDF}: 20.7/22$

+ sign -116.790 ± 20.730 $\chi^2/\text{NDF}: 66.1/42$

All: -8.112 ± 14.585 $\chi^2/\text{NDF}: 169.8/86$

- sign 98.408 ± 20.523 $\chi^2/\text{NDF}: 49.3/43$

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.934+/-0.026 χ^2/NDF : 86246.0/17

Left Out: 108.287+/-0.018 χ^2/NDF : 330693.5/24

Right Out: 92.858+/-0.023 χ^2/NDF : 493046.9/20

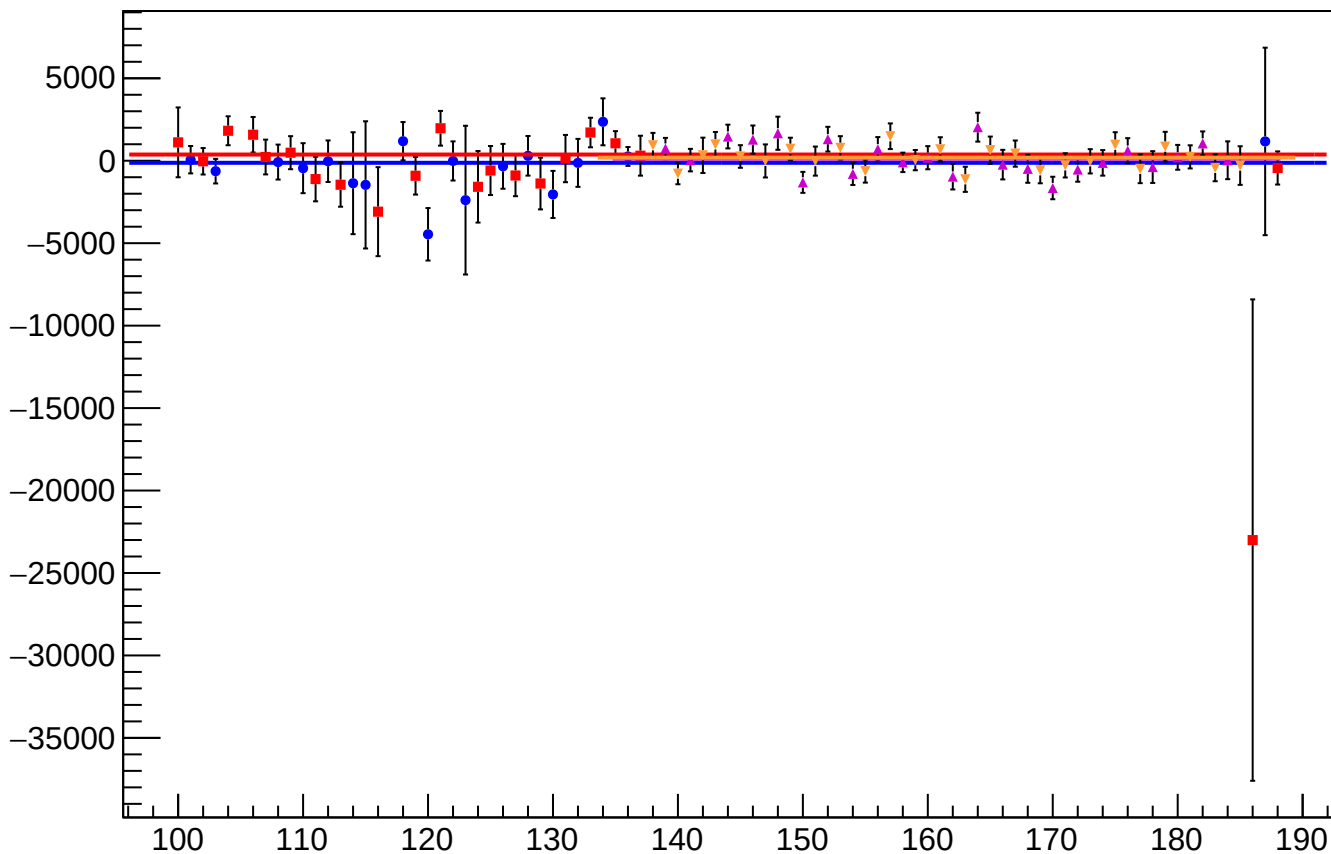
Left In: 110.173+/-0.019 χ^2/NDF : 246967.7/22

+ sign 103.564+/-0.015 χ^2/NDF : 628640.5/42

All: 103.424+/-0.010 χ^2/NDF : 1709839.2/86

- sign 103.287+/-0.015 χ^2/NDF : 1081017.9/43

asym_sam_15_dd_correction_mean vs Slug



Right In: -124.920 ± 276.739 χ^2/NDF : 15.3/17

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 375.792 ± 252.307 χ^2/NDF : 22.5/20

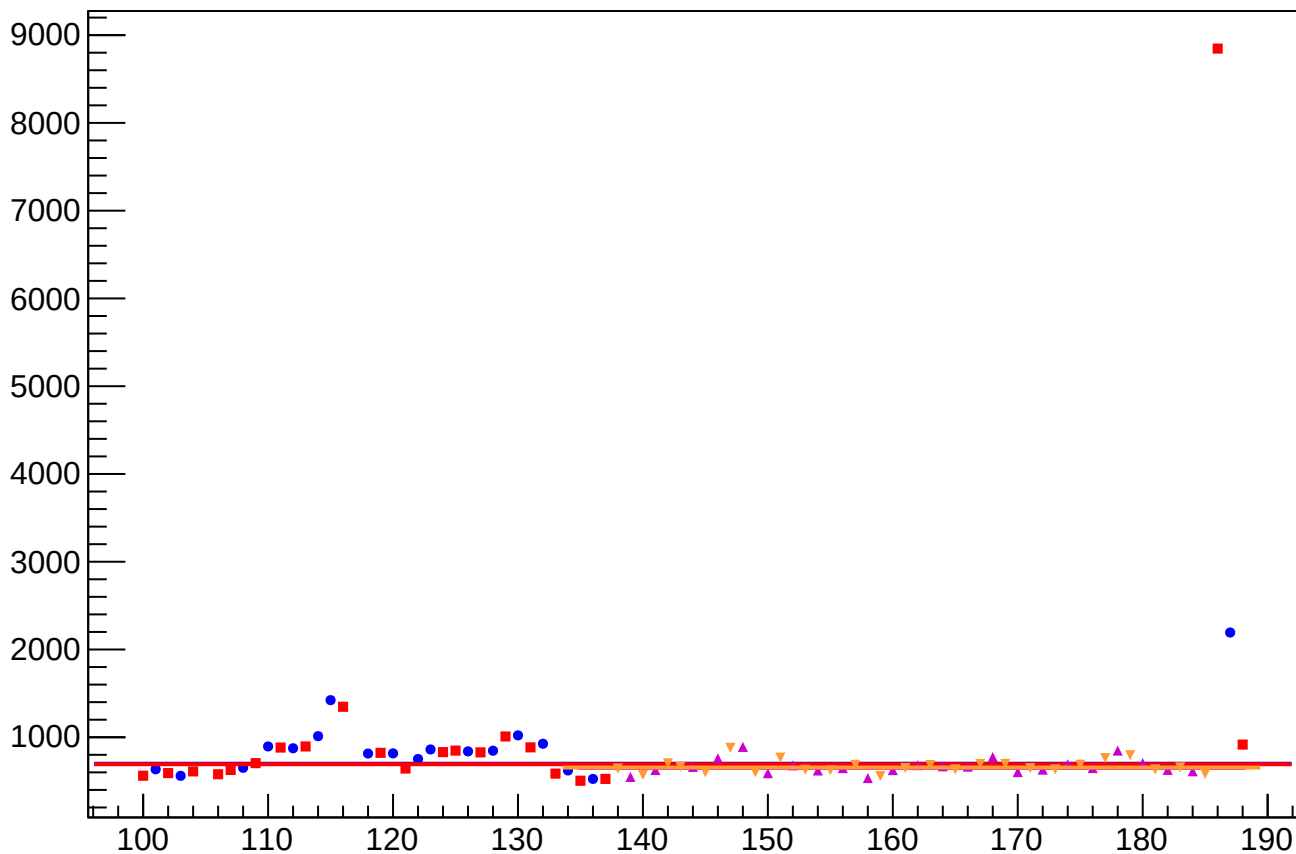
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 112.250 ± 134.356 χ^2/NDF : 34.7/42

All: 155.346 ± 94.662 χ^2/NDF : 94.3/86

- sign 197.827 ± 133.395 χ^2/NDF : 59.4/43

asym_sam_15_dd_correction_rms vs Slug



Right In: 698.354+/-0.196 χ^2/NDF : 816533.4/17

Left Out: 655.155+/-0.109 χ^2/NDF : 367349.8/24

Right Out: 692.664+/-0.178 χ^2/NDF : 1412480.4/20

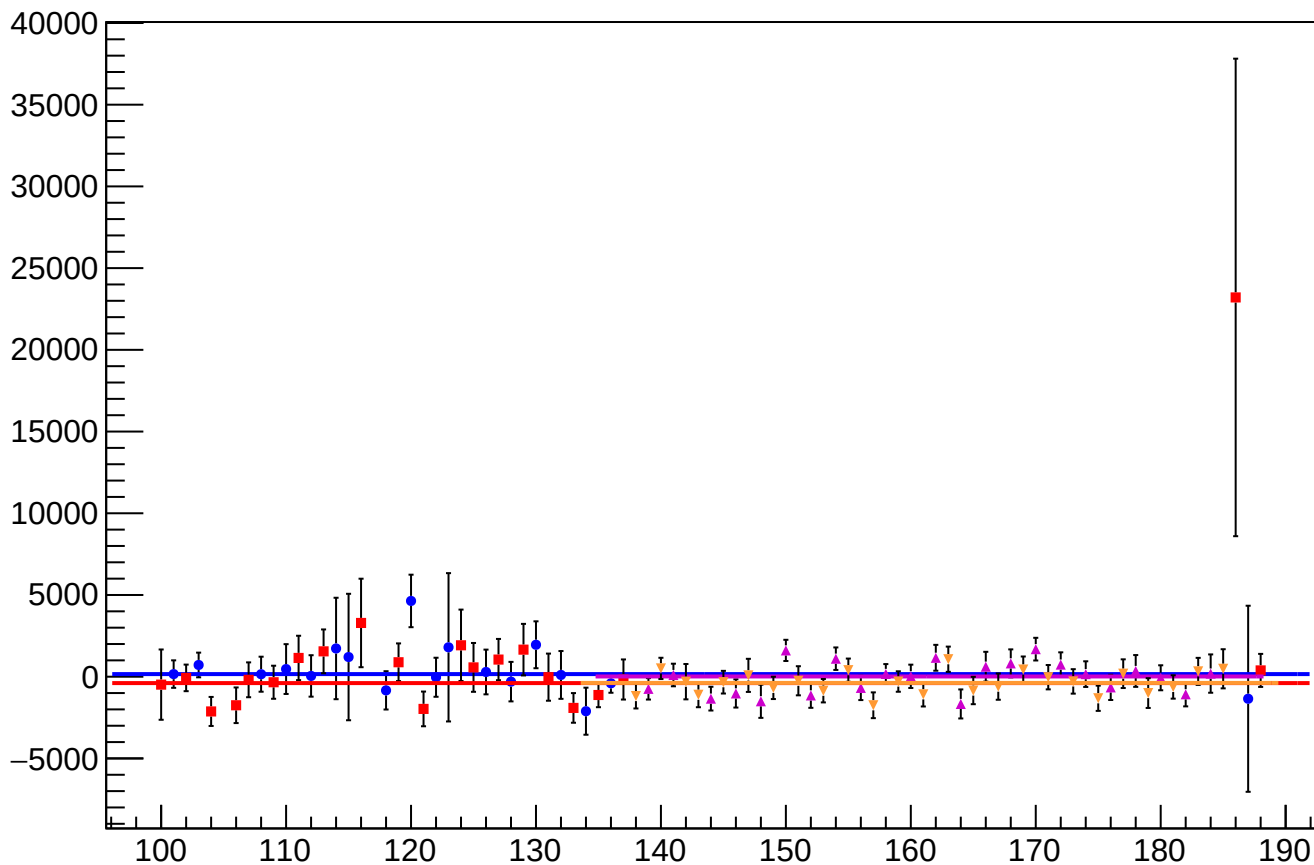
Left In: 650.883+/-0.111 χ^2/NDF : 466116.8/22

+ sign 665.338+/-0.095 χ^2/NDF : 1221130.9/42

All: 663.940+/-0.067 χ^2/NDF : 3139671.1/86

- sign 662.562+/-0.094 χ^2/NDF : 1918110.3/43

asym_sam_15_dd_mean vs Slug



Right In: 159.865 ± 279.499 χ^2/NDF : 14.8/17

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -390.498 ± 254.833 χ^2/NDF : 25.8/20

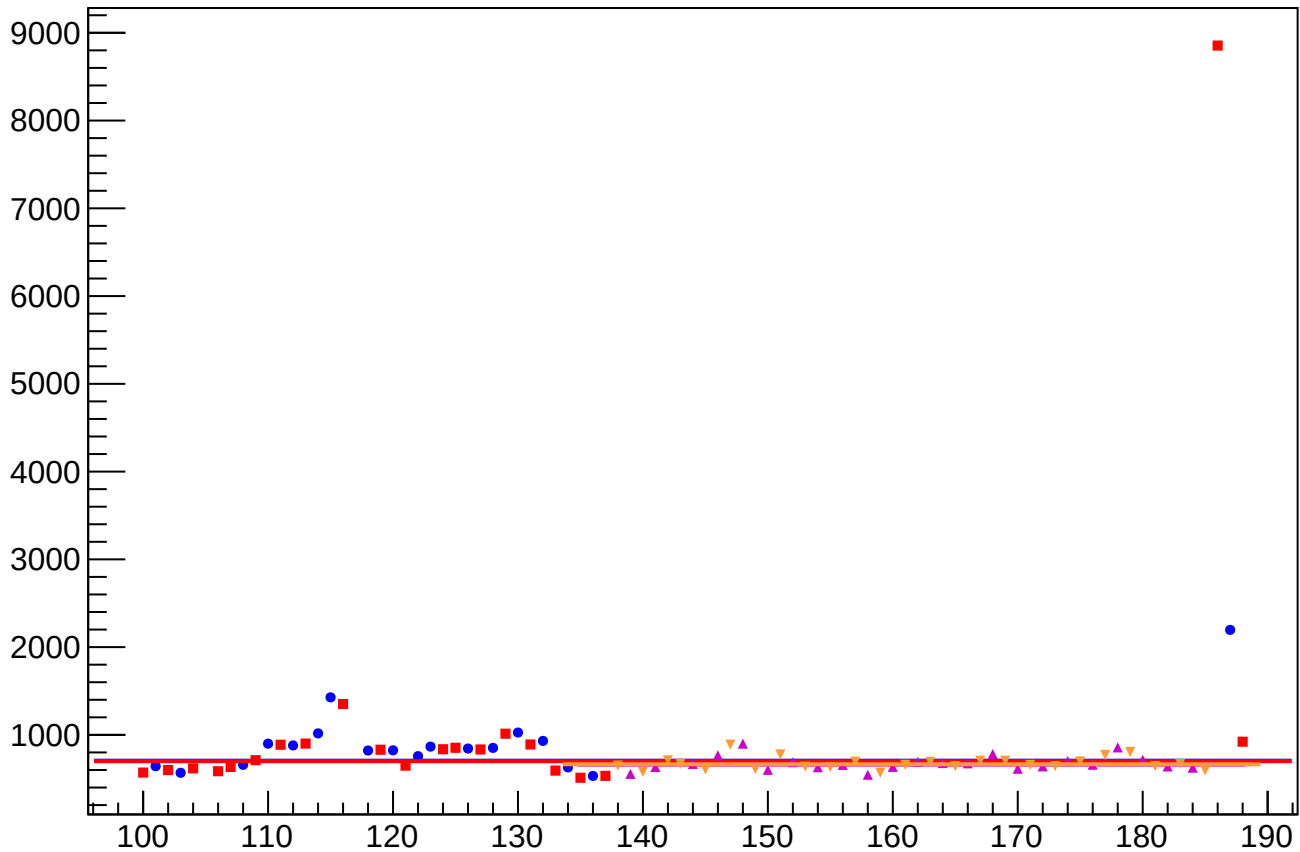
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -251.498 ± 136.147 χ^2/NDF : 36.4/42

All: -174.883 ± 95.937 χ^2/NDF : 101.9/86

- sign -99.320 ± 135.209 χ^2/NDF : 64.8/43

asym_sam_15_dd_rms vs Slug



Right In: 705.868 $\pm$ 0.198 χ^2 /NDF: 798184.0/17

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF:357053.8/24

Right Out: 700.235 $\pm$ 0.180 χ^2 /NDF: 1391513.6/20

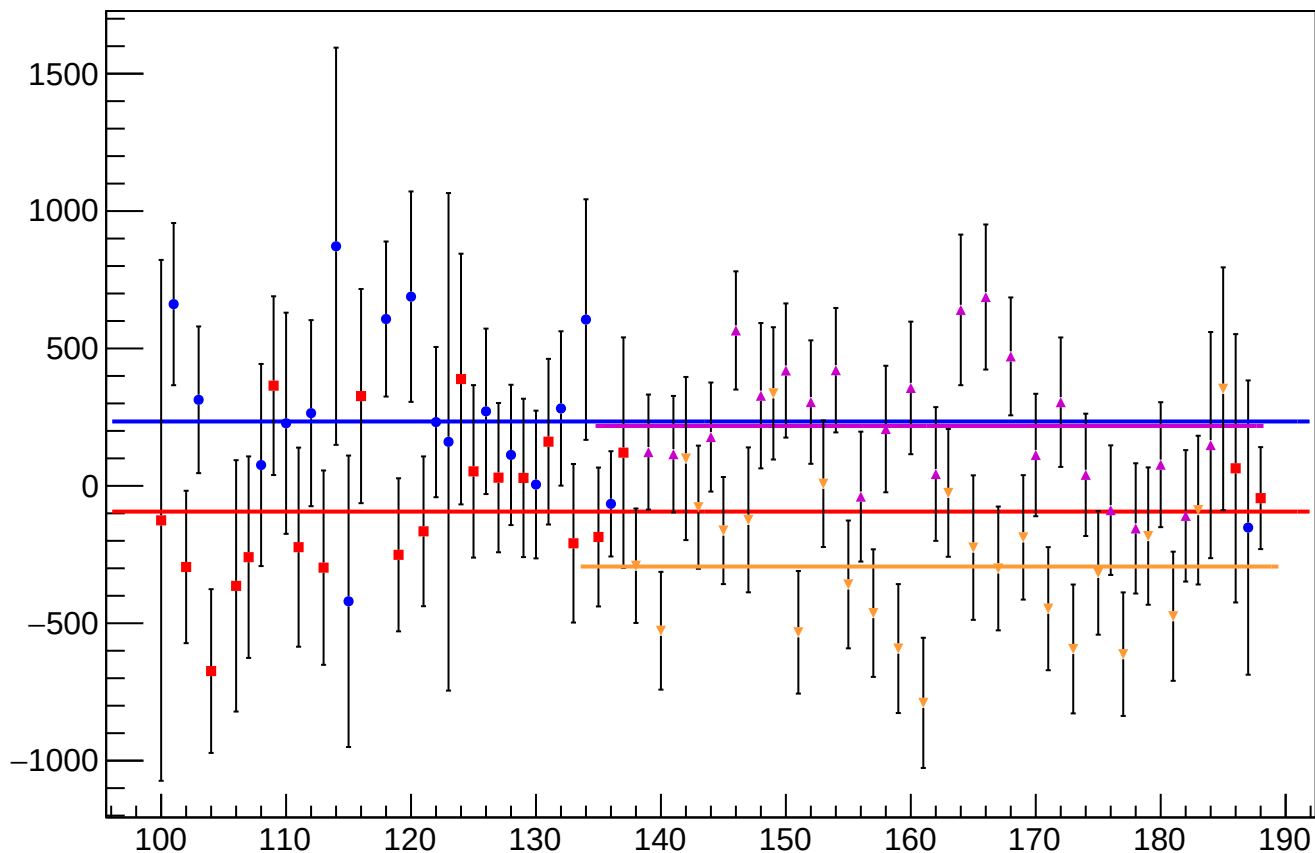
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF:449180.0/22

+ sign 674.524 $\pm$ 0.096 χ^2 /NDF: 1188216.0/42

All: 673.236 $\pm$ 0.068 χ^2 /NDF: 3063519.4/86

- sign 671.967 $\pm$ 0.096 χ^2 /NDF: 1874948.2/43

reg_asym_sam_26_dd_mean vs Slug



Right In: 234.322 ± 75.348 χ^2/NDF : 12.5/17

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -93.639 ± 68.396 χ^2/NDF : 12.0/20

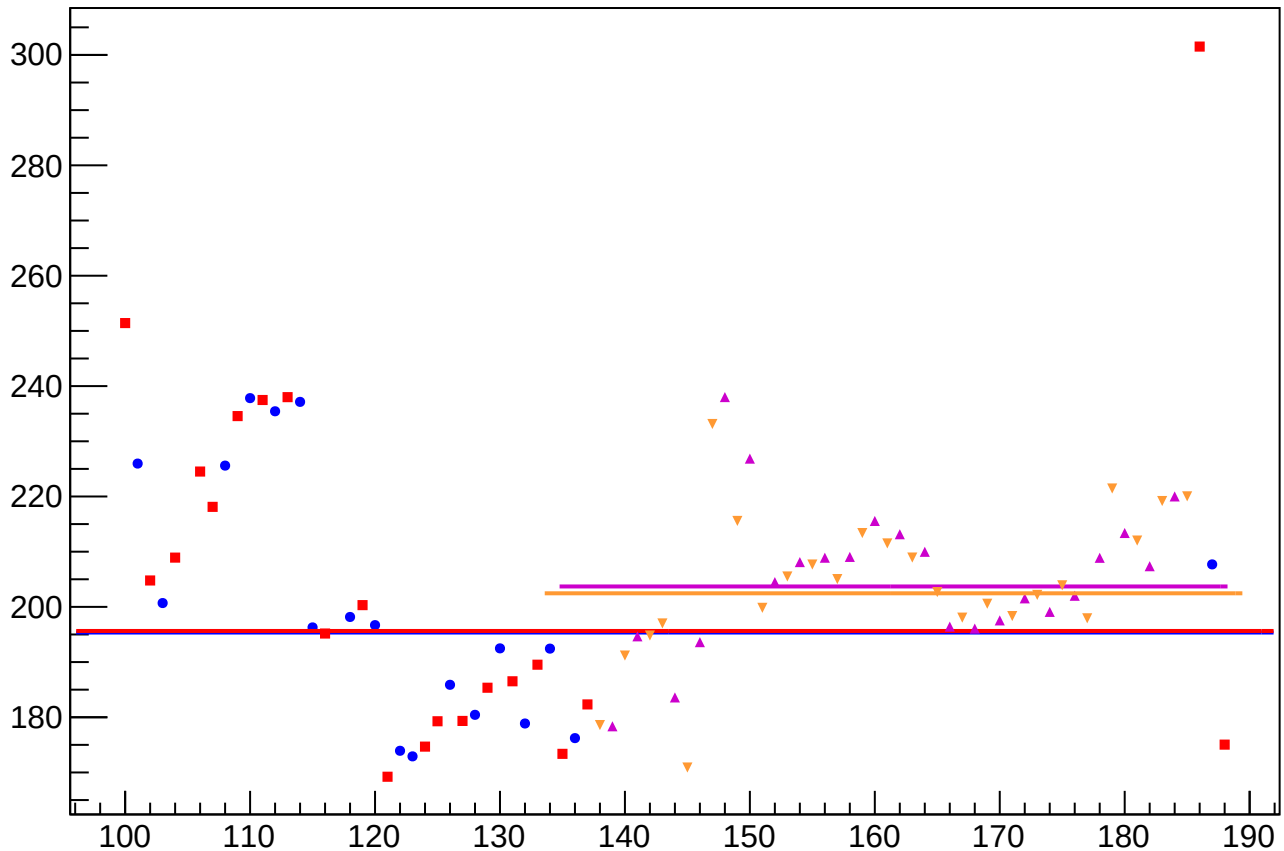
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -144.801 ± 40.002 χ^2/NDF : 78.1/42

All: -15.144 ± 28.191 χ^2/NDF : 146.1/86

- sign 112.794 ± 39.735 χ^2/NDF : 47.1/43

reg_asym_sam_26_dd_rms vs Slug



Right In: 195.354 $\pm$ 0.053 χ^2 /NDF: 143622.4/17

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 195.635 $\pm$ 0.048 χ^2 /NDF: 290323.8/20

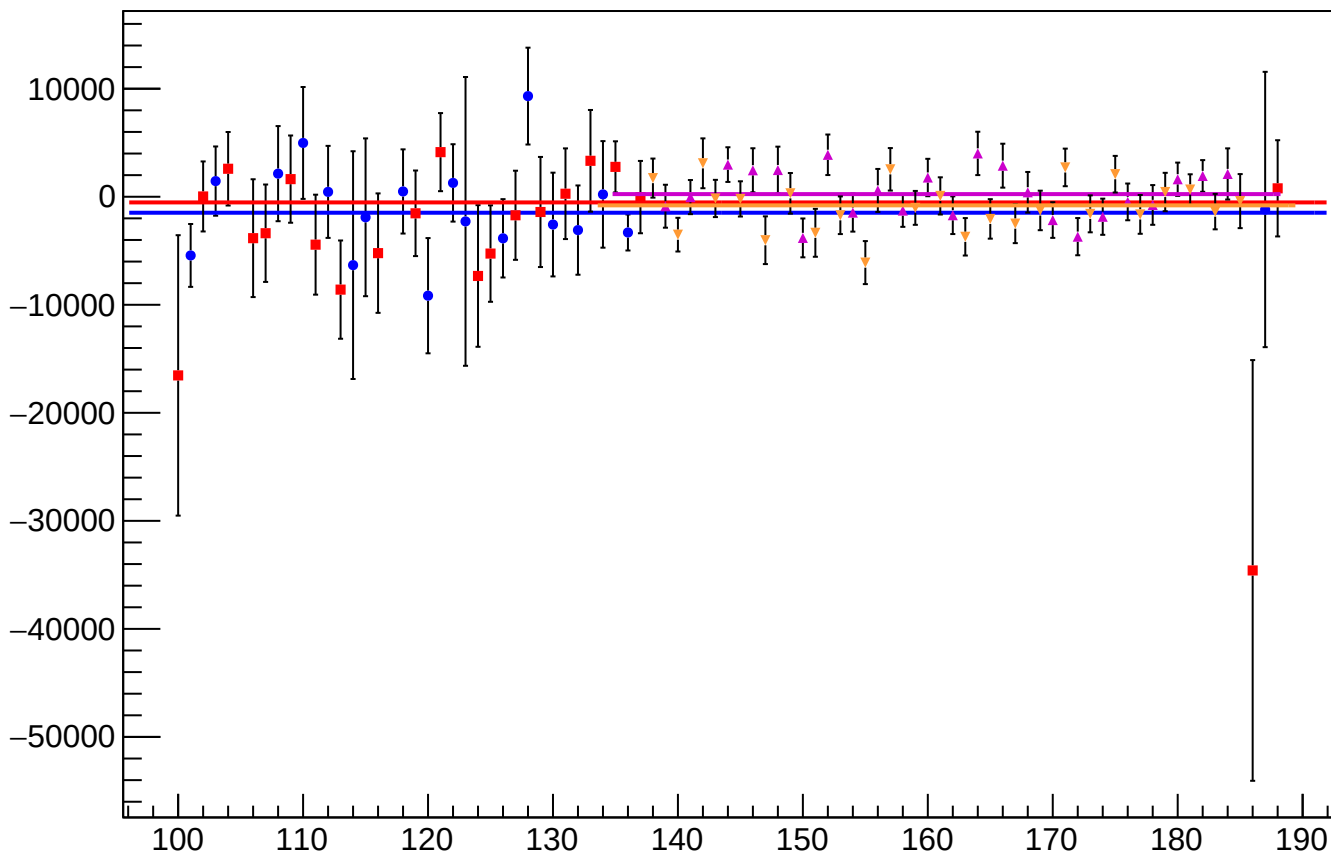
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 200.456 $\pm$ 0.028 χ^2 /NDF: 314975.4/42

All: 200.718 $\pm$ 0.020 χ^2 /NDF: 760079.9/86

- sign 200.977 $\pm$ 0.028 χ^2 /NDF: 444933.7/43

asym_sam_26_dd_correction_mean vs Slug



Right In: -1479.222 ± 910.229 χ^2/NDF : 16.0/17

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -524.849 ± 915.482 χ^2/NDF : 17.9/20

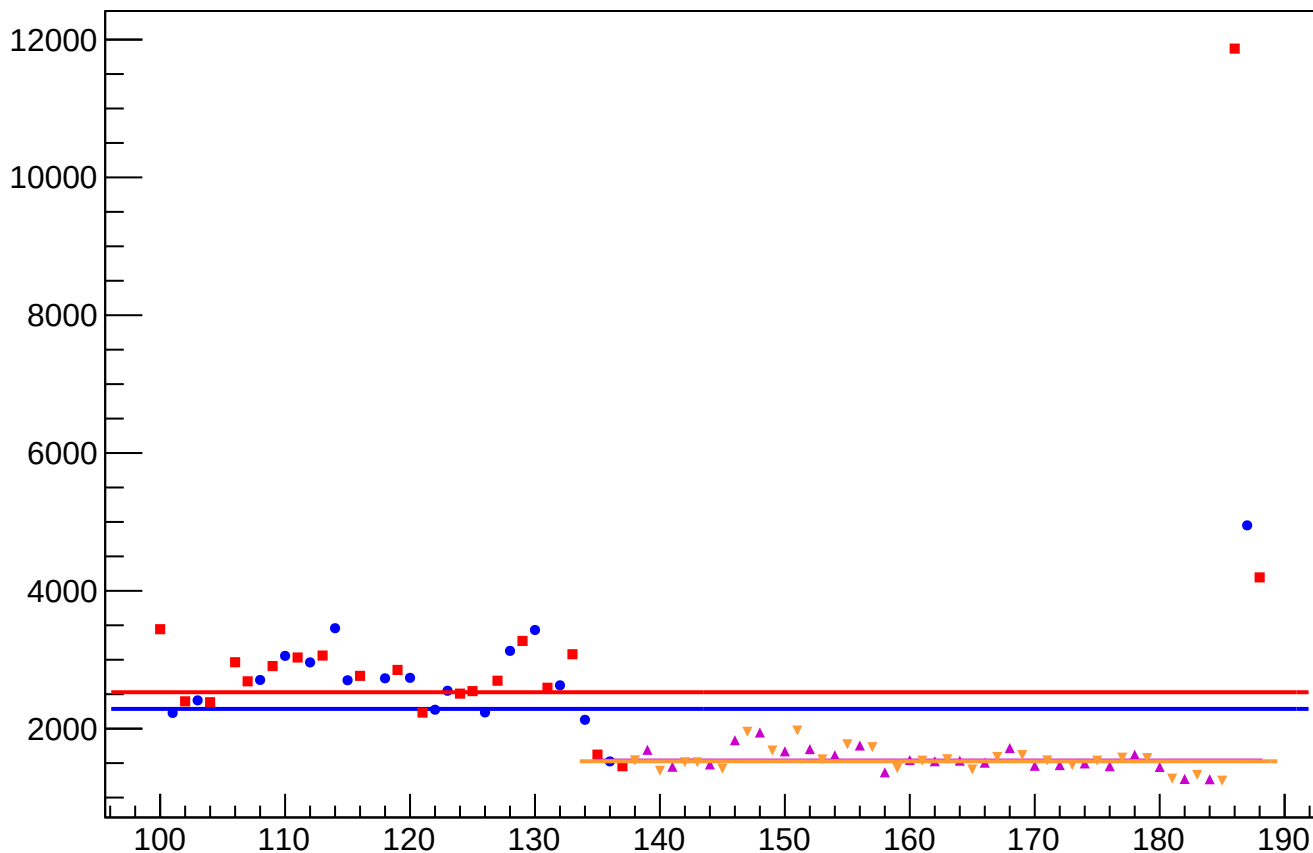
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -887.921 ± 333.038 χ^2/NDF : 52.2/42

All: -390.406 ± 238.910 χ^2/NDF : 111.0/86

- sign 137.071 ± 342.920 χ^2/NDF : 54.2/43

asym_sam_26_dd_correction_rms vs Slug



Right In: 2286.611 $\pm$ 0.644 χ^2 /NDF: 894735.6/17

Left Out: 1526.712 $\pm$ 0.253 χ^2 /NDF: 394892.7/24

Right Out: 2528.569 $\pm$ 0.647 χ^2 /NDF: 1443848.7/20

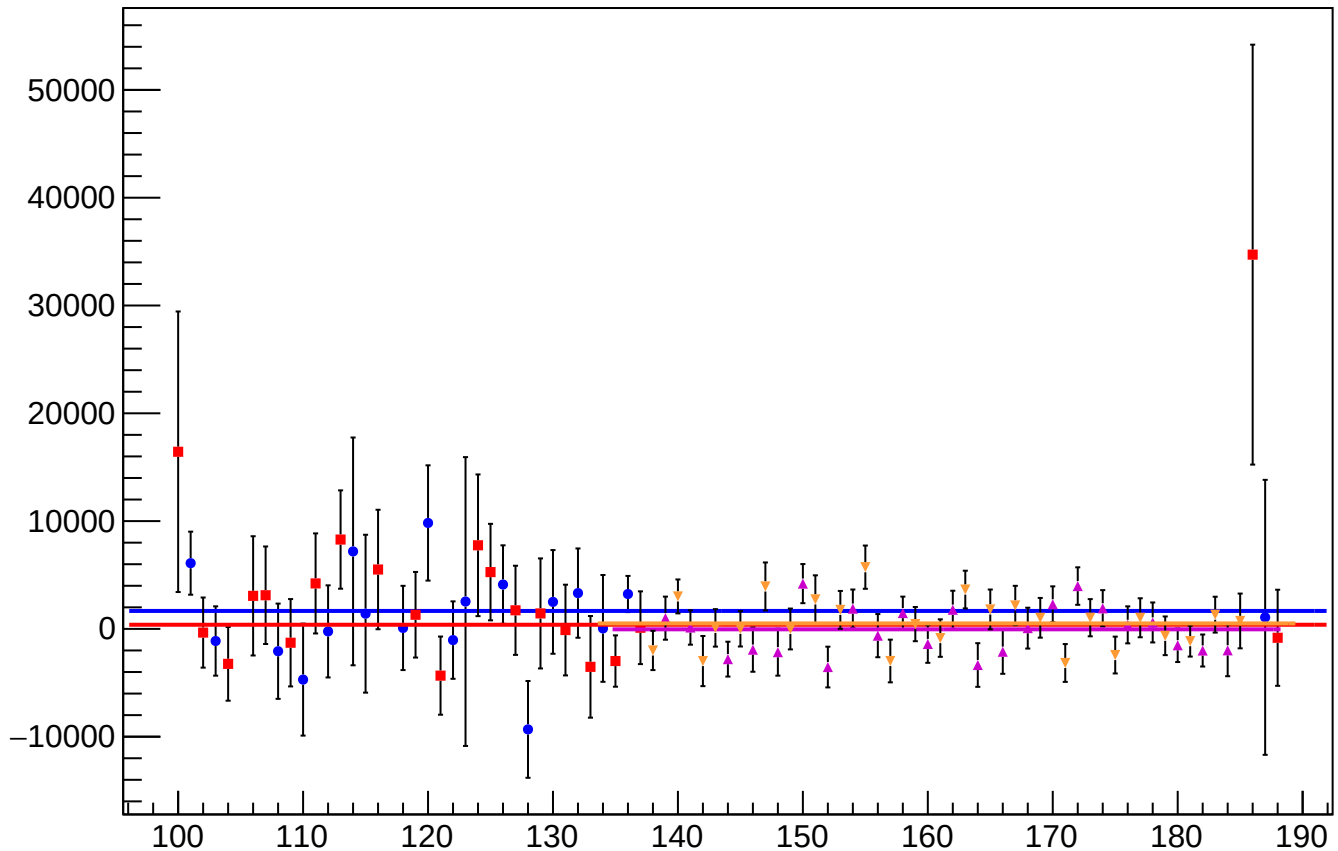
Left In: 1536.538 $\pm$ 0.262 χ^2 /NDF: 350373.3/22

+ sign 1628.440 $\pm$ 0.235 χ^2 /NDF: 2496951.7/42

All: 1651.393 $\pm$ 0.169 χ^2 /NDF: 6329686.4/80

- sign 1675.729 $\pm$ 0.242 χ^2 /NDF: 3813162.3/43

asym_sam_26_dd_mean vs Slug



Right In: 1665.563 ± 914.236 $\chi^2/\text{NDF}: 16.4/17$

Left Out: 507.982 ± 361.172 $\chi^2/\text{NDF}: 35.4/24$

Right Out: 384.880 ± 919.088 $\chi^2/\text{NDF}: 18.2/20$

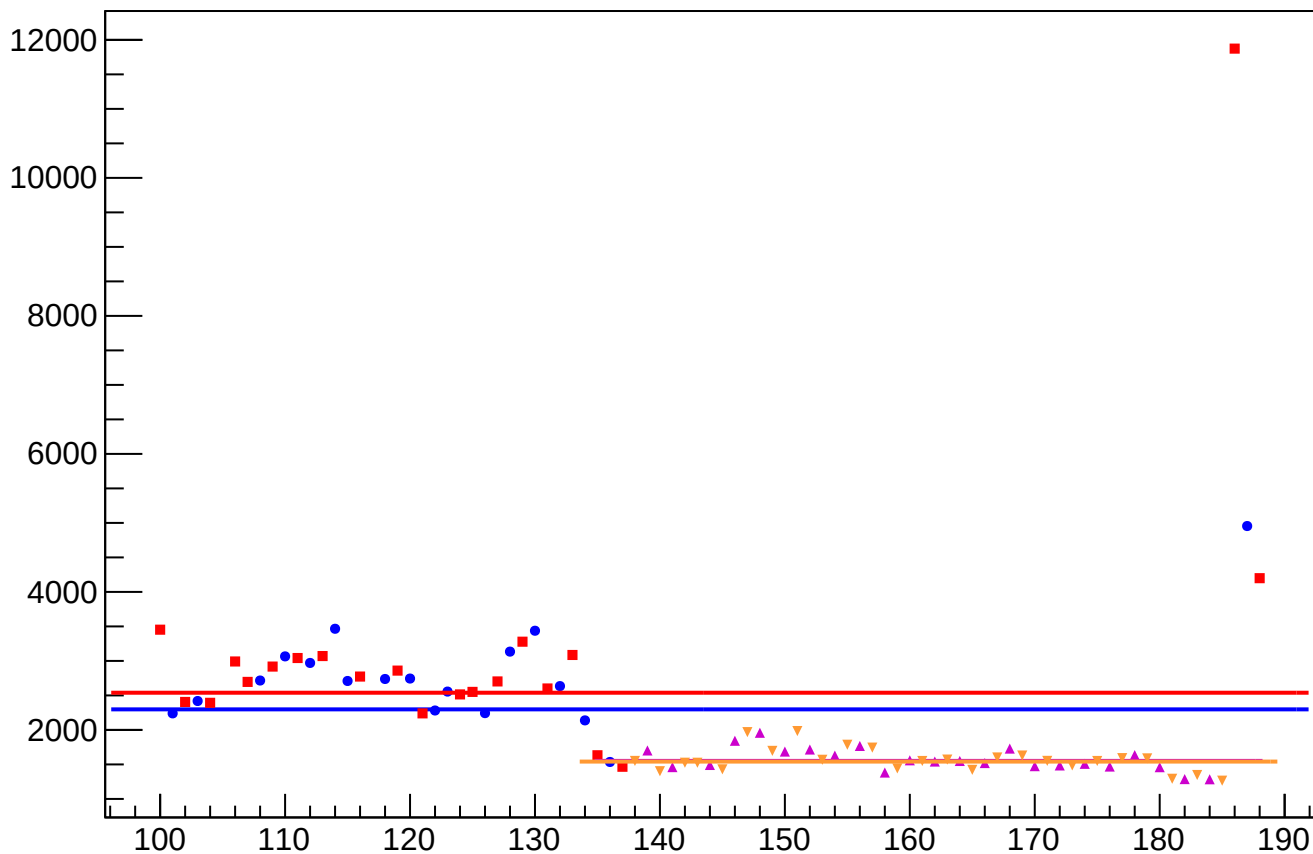
Left In: -40.080 ± 373.261 $\chi^2/\text{NDF}: 33.6/22$

+ sign 664.253 ± 335.910 $\chi^2/\text{NDF}: 53.2/42$

All: 351.541 ± 240.955 $\chi^2/\text{NDF}: 107.0/86$

- sign 20.087 ± 345.829 $\chi^2/\text{NDF}: 52.0/43$

asym_sam_26_dd_rms vs Slug



Right In: 2297.909 $\pm$ 0.646 χ^2 /NDF: 882460.0/17

Left Out: 1541.258 $\pm$ 0.255 χ^2 /NDF: 382045.4/24

Right Out: 2539.080 $\pm$ 0.650 χ^2 /NDF: 1432222.9/20

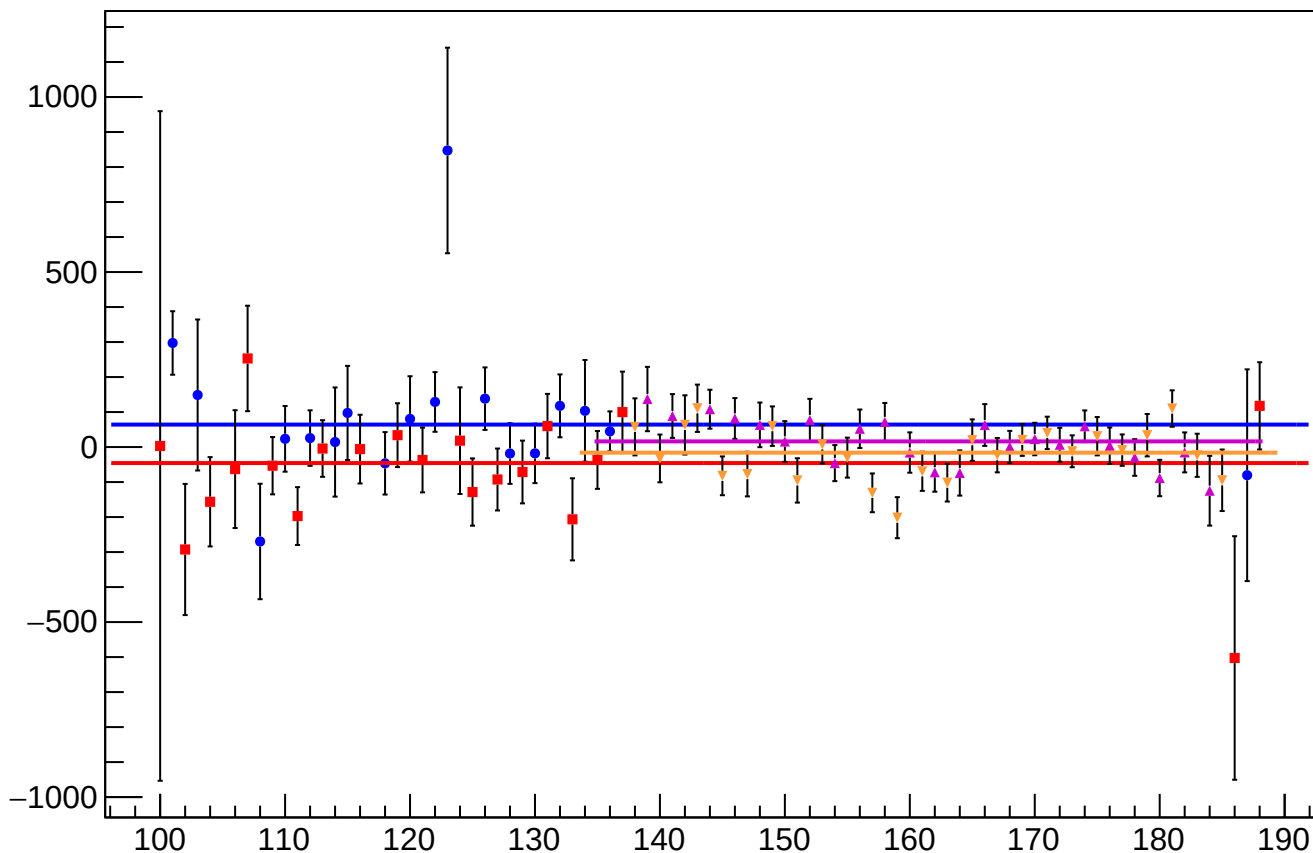
Left In: 1551.063 $\pm$ 0.264 χ^2 /NDF: 338898.9/22

+ sign 1643.405 $\pm$ 0.238 χ^2 /NDF: 2449512.6/42

All: 1666.486 $\pm$ 0.170 χ^2 /NDF: 6224090.5/86

- sign 1690.949 $\pm$ 0.245 χ^2 /NDF: 3755127.6/43

reg_asym_sam_37_dd_mean vs Slug



Right In: 64.187 $\pm$ 23.720 χ^2 /NDF: 24.0/17

Left Out: -16.049 $\pm$ 11.340 χ^2 /NDF: 39.7/24

Right Out: -45.701 $\pm$ 23.261 χ^2 /NDF: 21.4/20

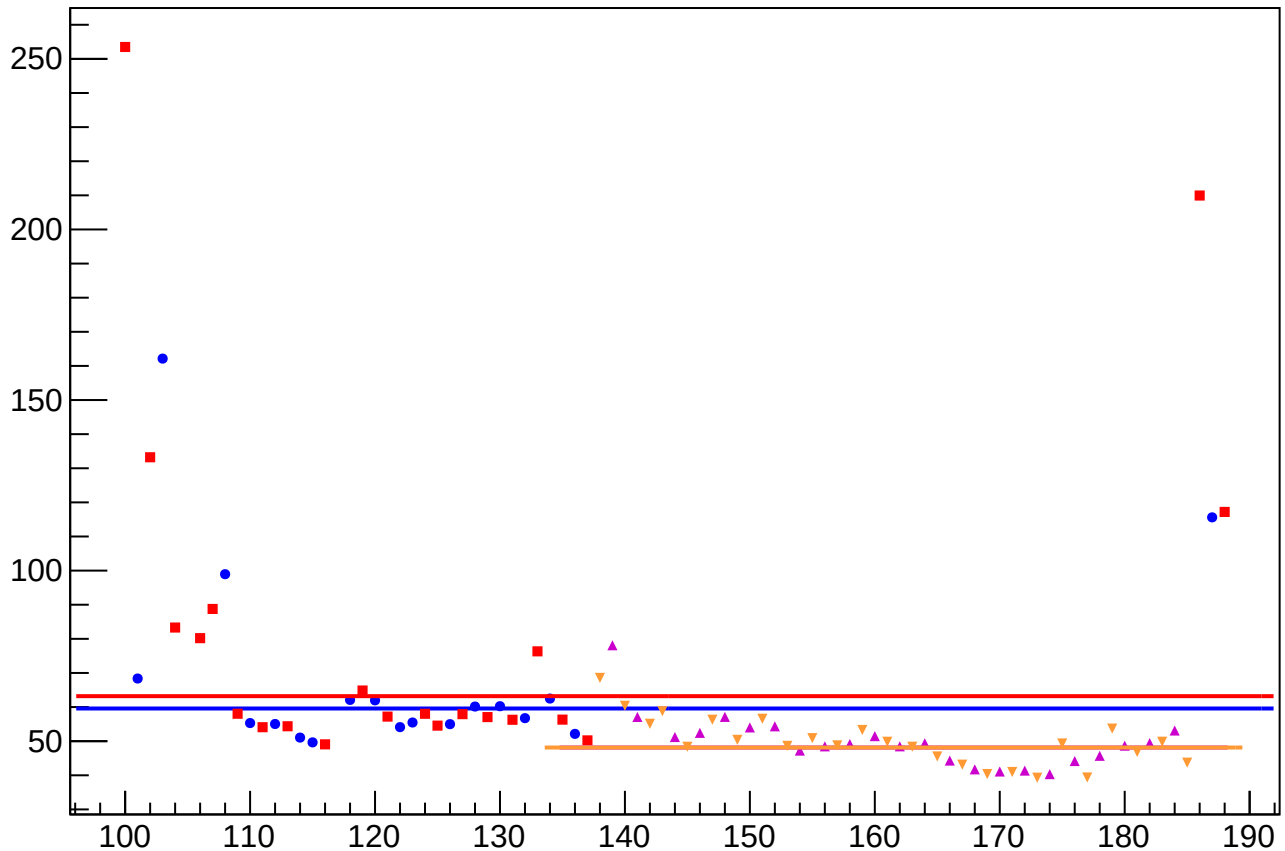
Left In: 16.162 $\pm$ 11.649 χ^2 /NDF: 25.2/22

+ sign -1.123 $\pm$ 10.231 χ^2 /NDF: 73.0/42

All: 1.273 $\pm$ 7.299 χ^2 /NDF: 125.3/86

- sign 3.756 $\pm$ 10.416 χ^2 /NDF: 52.3/43

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.582 $\pm$ 0.017 χ^2 /NDF: 734359.5/17

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 63.197 $\pm$ 0.016 χ^2 /NDF: 1433970.9/20

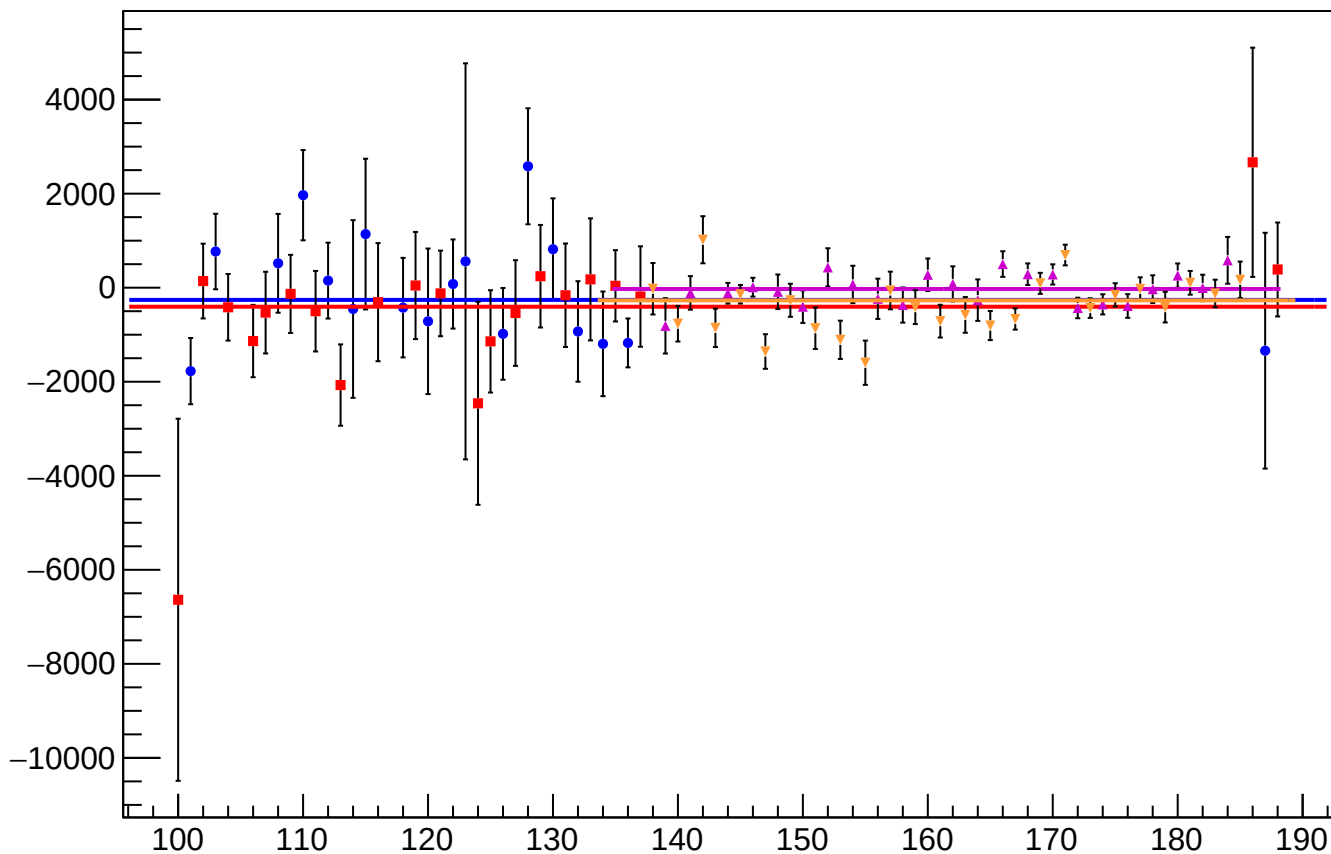
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 50.269 $\pm$ 0.007 χ^2 /NDF: 1768377.2/42

All: 50.706 $\pm$ 0.005 χ^2 /NDF: 4454832.5/86

- sign 51.159 $\pm$ 0.007 χ^2 /NDF: 2679033.6/43

asym_sam_37_dd_correction_mean vs Slug



Right In: -259.738 $\pm$ 233.445 χ^2/NDF : 24.7/17

Left Out: -270.214 $\pm$ 60.177 χ^2/NDF : 70.1/24

Right Out: -404.662 $\pm$ 216.599 χ^2/NDF : 12.7/20

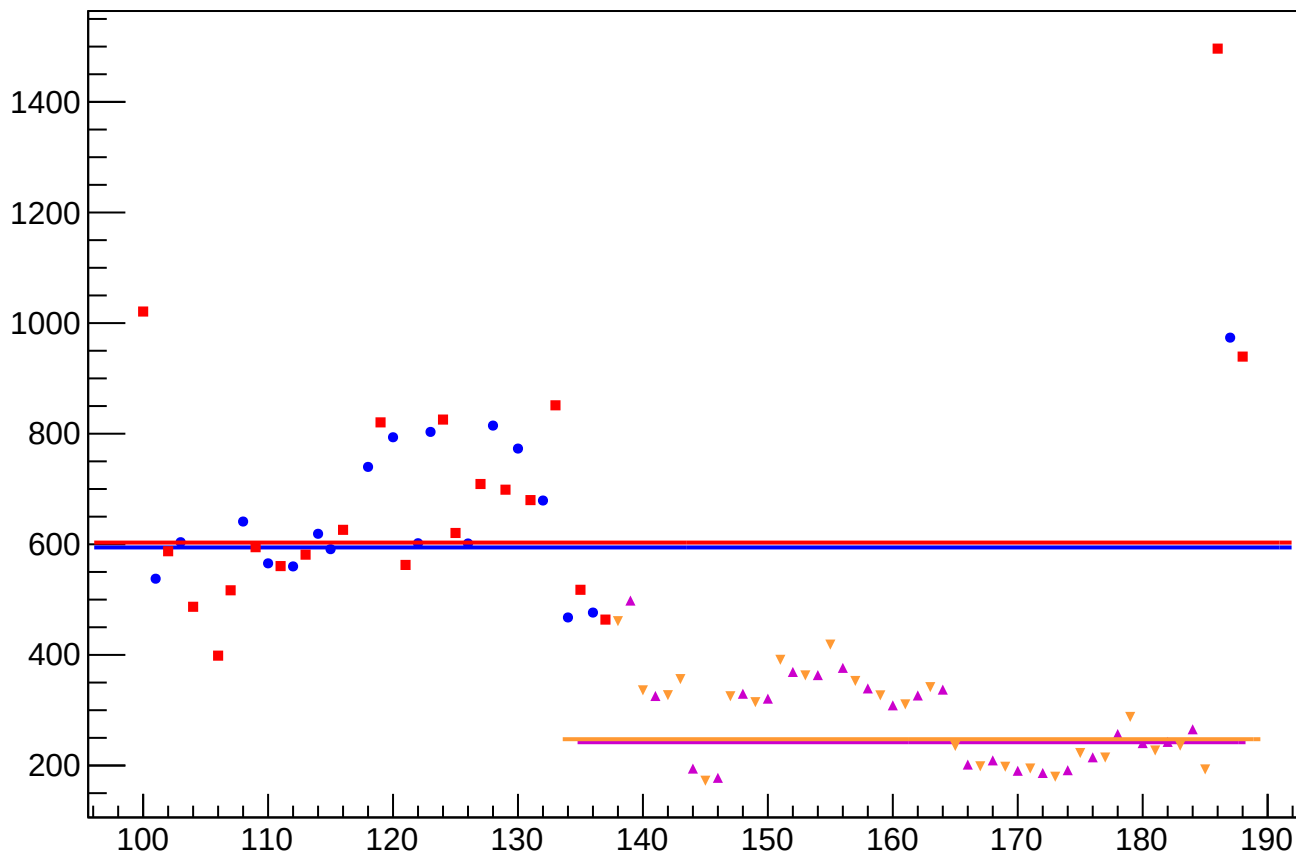
Left In: -27.271 $\pm$ 60.430 χ^2/NDF : 25.1/22

+ sign -269.561 $\pm$ 58.273 χ^2/NDF : 94.8/42

All: -161.923 $\pm$ 41.182 χ^2/NDF : 142.2/86

- sign -54.525 $\pm$ 58.207 χ^2/NDF : 40.6/43

asym_sam_37_dd_correction_rms vs Slug



Right In: 594.319+/-0.165 χ^2/NDF : 404385.7/17

Left Out: 247.570+/-0.043 χ^2/NDF :2780931.0/24

Right Out: 603.122+/-0.153 χ^2/NDF : 1015120.1/20

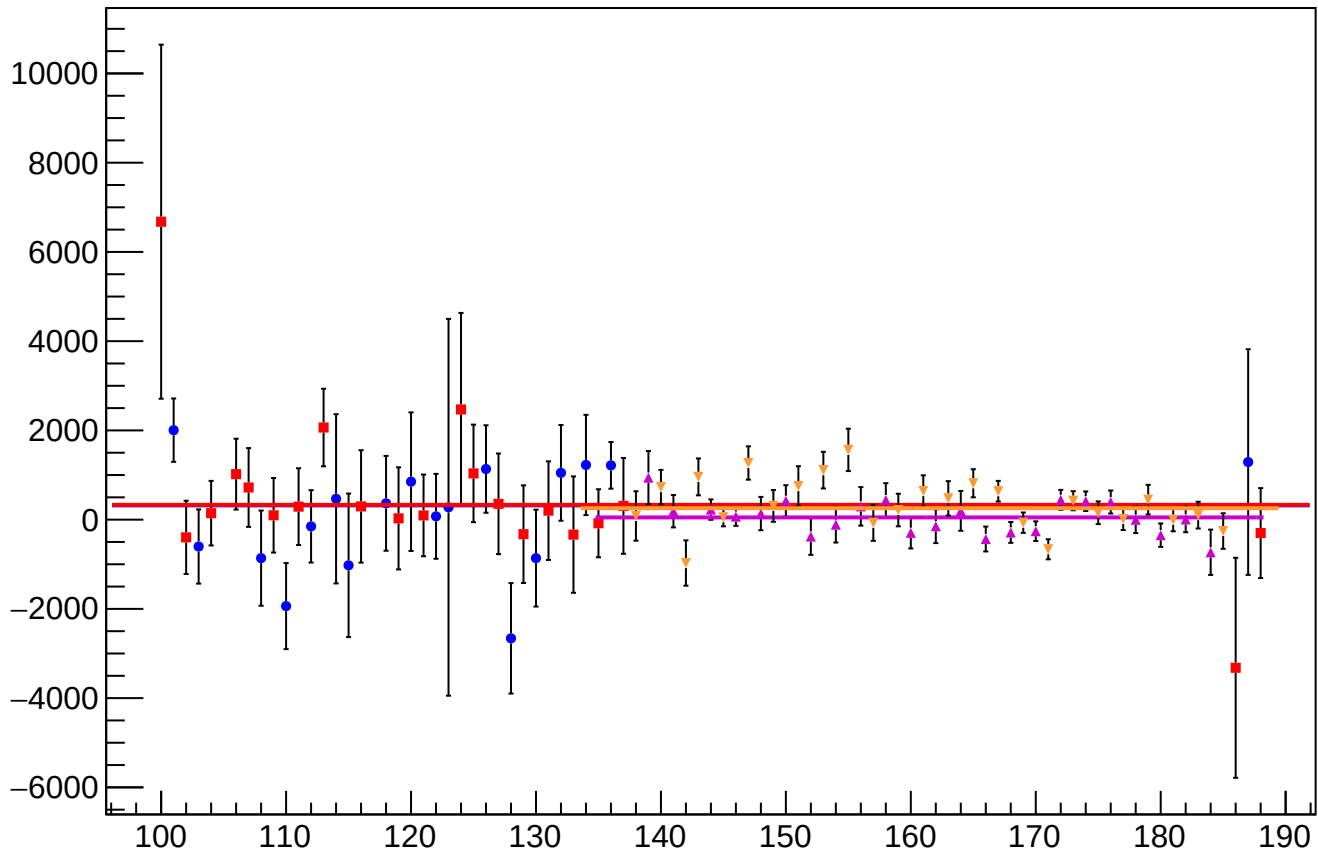
Left In: 242.117+/-0.043 χ^2/NDF :2466108.9/22

+ sign 269.176+/-0.041 χ^2/NDF : 7322939.8/42

All: 268.681+/-0.029 χ^2/NDF : 15958998.9/80

- sign 268.188+/-0.041 χ^2/NDF : 8635771.0/43

asym_sam_37_dd_mean vs Slug



Right In: 320.845 $\pm$ 235.422 χ^2 /NDF: 26.7/17

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF: 63.6/24

Right Out: 331.155 $\pm$ 219.052 χ^2 /NDF: 13.5/20

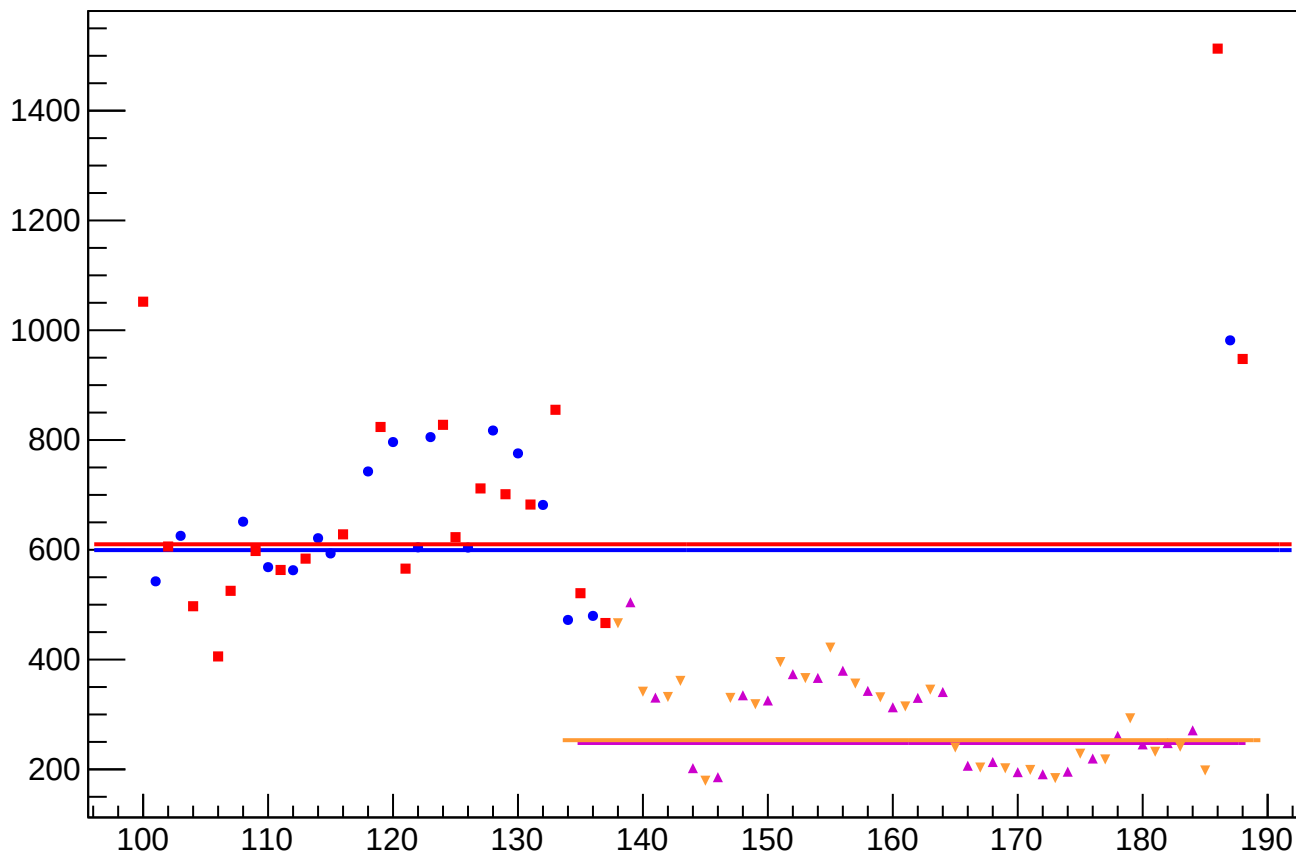
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF: 27.5/22

+ sign 260.128 $\pm$ 59.429 χ^2 /NDF: 90.3/42

All: 165.396 $\pm$ 42.034 χ^2 /NDF: 137.9/86

- sign 70.561 $\pm$ 59.461 χ^2 /NDF: 42.5/43

asym_sam_37_dd_rms vs Slug



Right In: 599.427 $\pm$ 0.166 χ^2 /NDF: 402019.5/17

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 610.056 $\pm$ 0.155 χ^2 /NDF: 993117.4/20

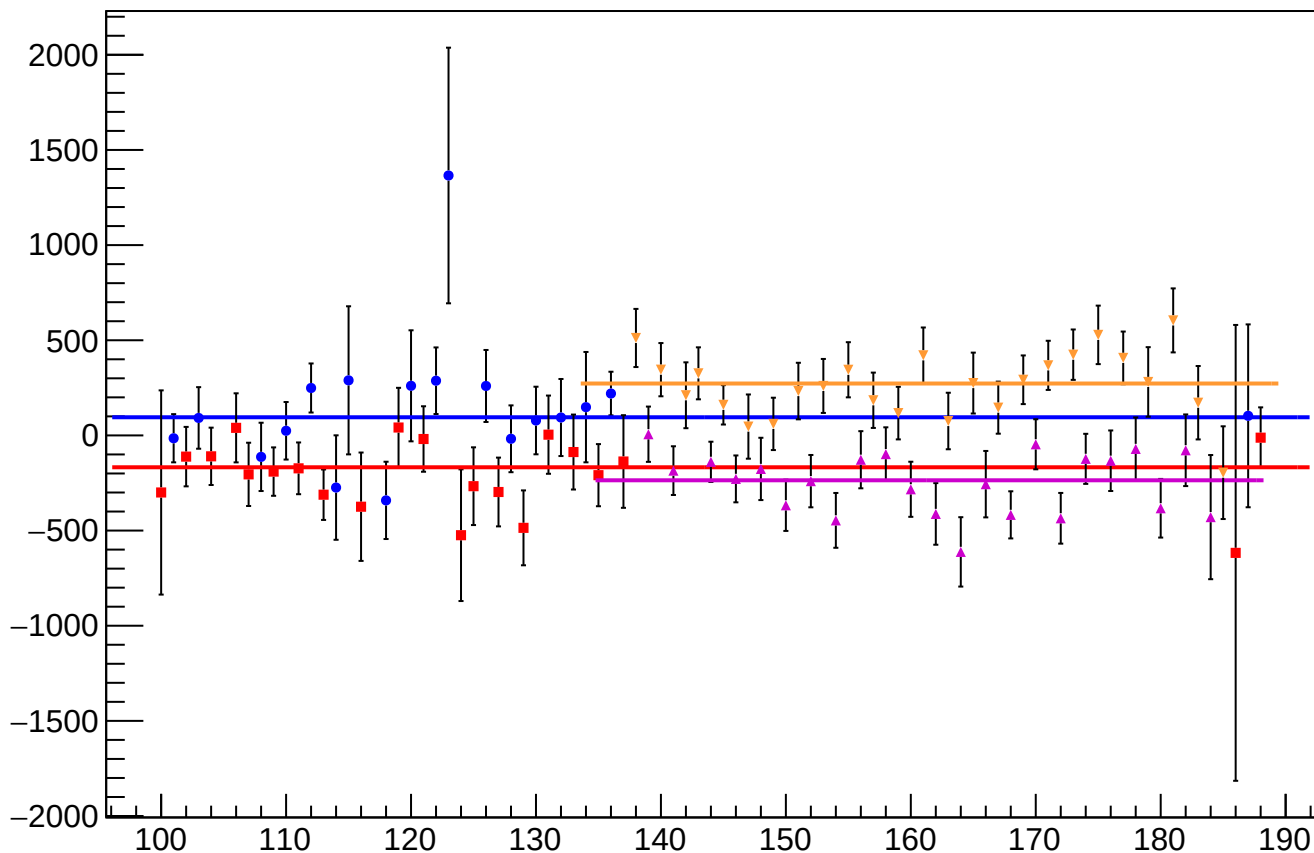
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 275.204 $\pm$ 0.042 χ^2 /NDF: 7119549.7/42

All: 274.973 $\pm$ 0.030 χ^2 /NDF: 15515220.3/80

- sign 274.741 $\pm$ 0.042 χ^2 /NDF: 8395610.0/43

reg_asym_sam_48_dd_mean vs Slug



Right In: 95.377 ± 43.221 χ^2/NDF : 17.9/17

Left Out: 272.684 ± 29.221 χ^2/NDF : 27.4/24

Right Out: -167.412 ± 39.849 χ^2/NDF : 11.7/20

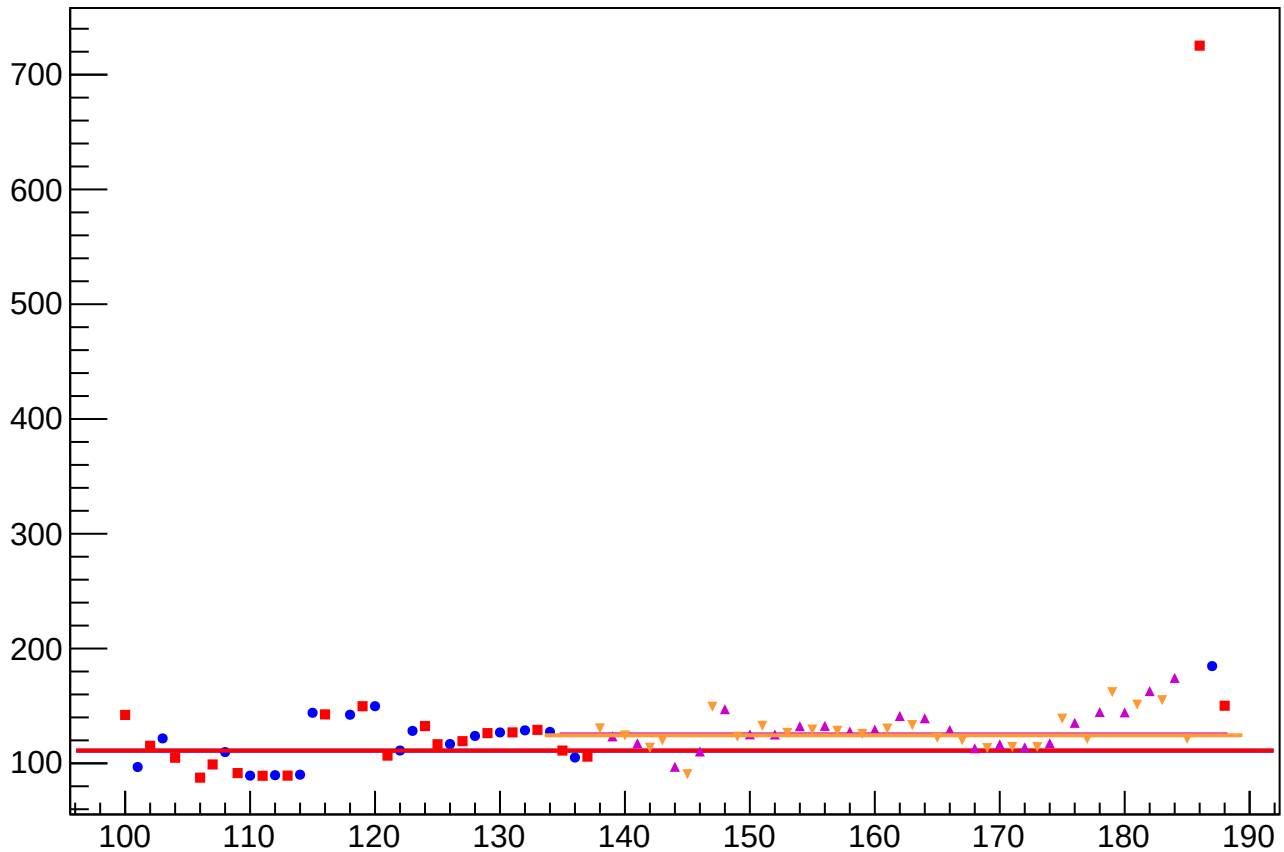
Left In: -235.801 ± 30.232 χ^2/NDF : 24.6/22

+ sign 217.062 ± 24.208 χ^2/NDF : 56.9/42

All: 2.034 ± 17.074 χ^2/NDF : 252.1/86

- sign -210.818 ± 24.085 χ^2/NDF : 38.1/43

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.040 $\pm$ 0.031 χ^2 /NDF: 343449.4/17

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 111.123 $\pm$ 0.028 χ^2 /NDF: 1005394.3/20

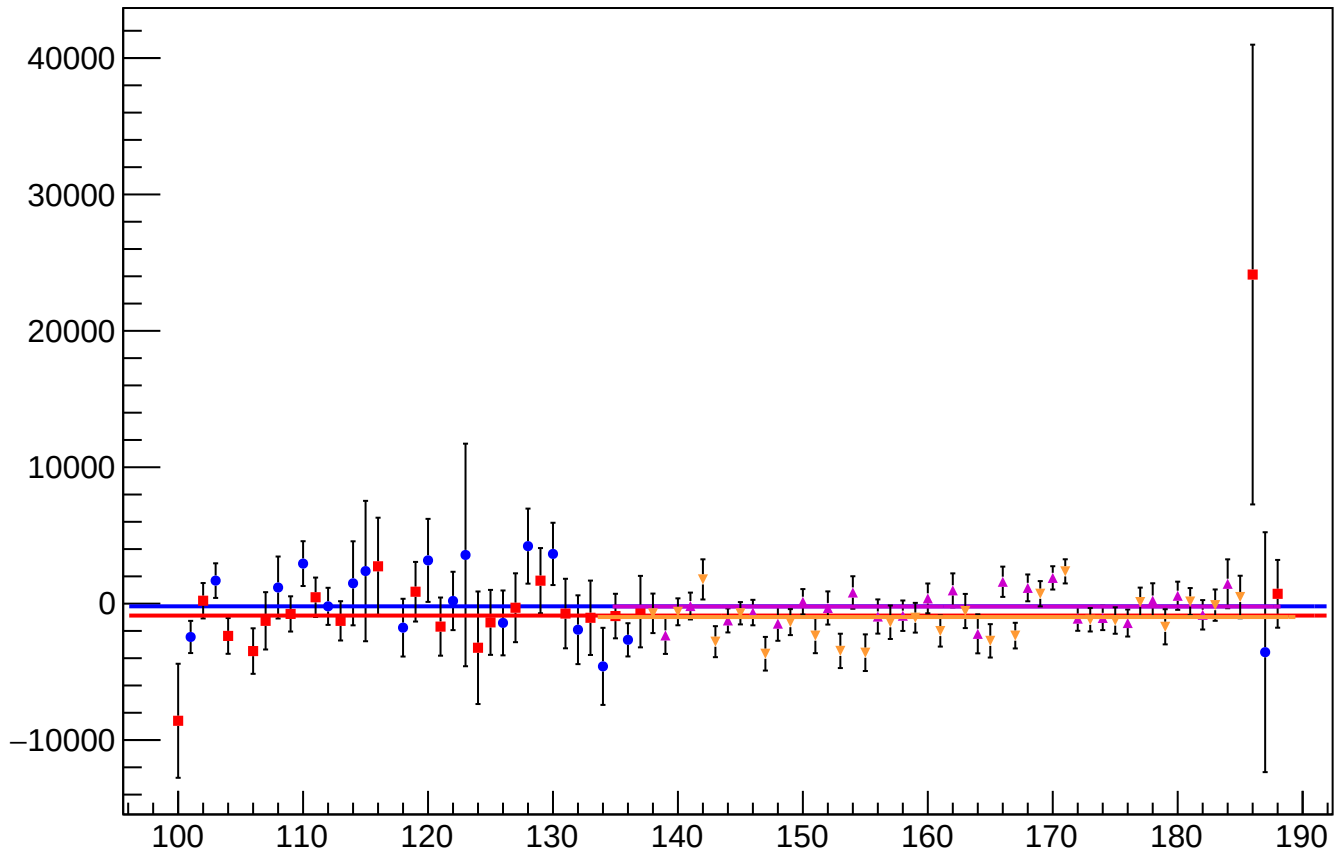
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 120.229 $\pm$ 0.017 χ^2 /NDF: 1014886.5/42

All: 120.144 $\pm$ 0.012 χ^2 /NDF: 2680252.1/86

- sign 120.061 $\pm$ 0.017 χ^2 /NDF: 1665317.1/43

asym_sam_48_dd_correction_mean vs Slug



Right In: -196.211+/-465.097 χ^2/NDF : 25.2/17

Left Out: -982.839+/-218.021 χ^2/NDF : 47.2/24

Right Out: -873.987+/-429.116 χ^2/NDF : 14.8/20

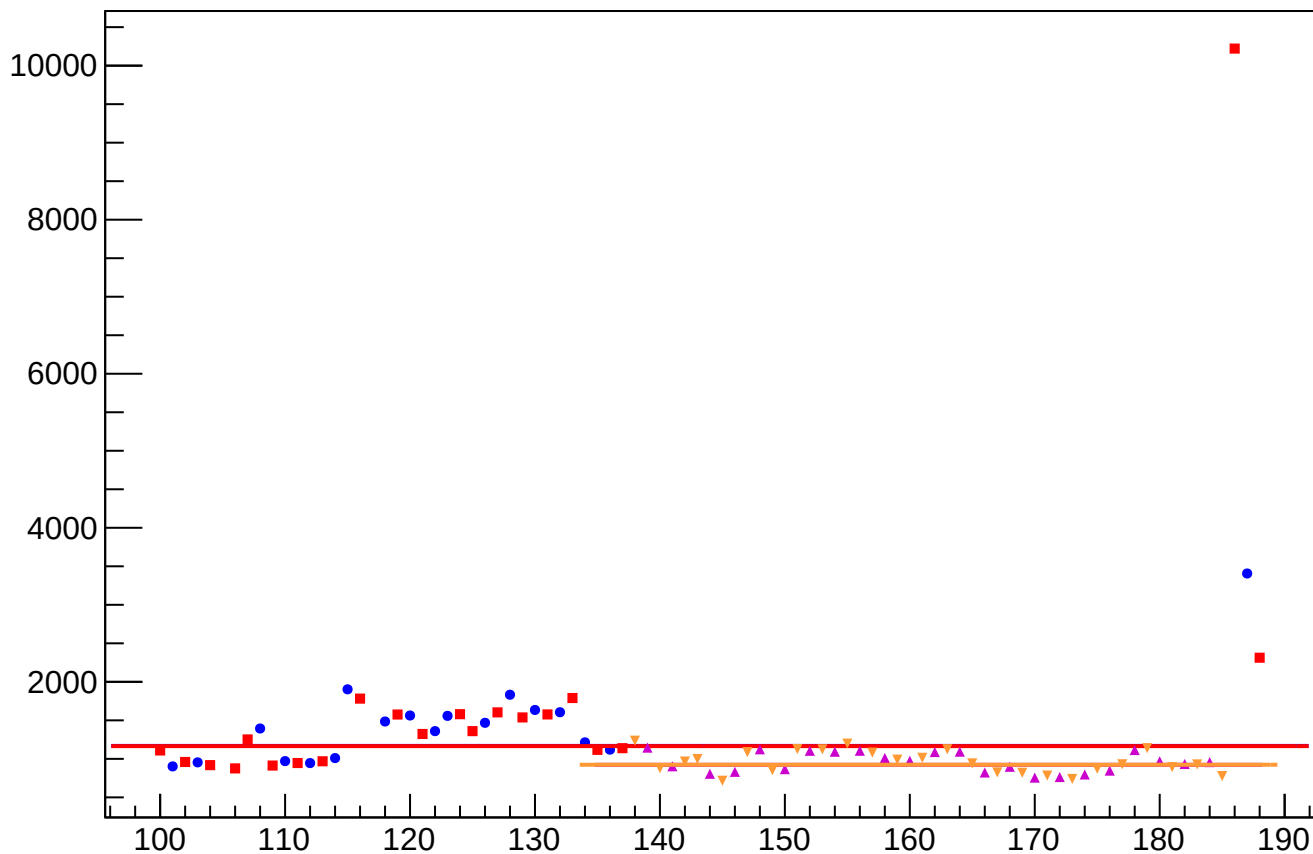
Left In: -211.420+/-223.296 χ^2/NDF : 25.7/22

+ sign -841.125+/-197.408 χ^2/NDF : 74.7/42

All: -597.696+/-139.827 χ^2/NDF : 120.1/86

- sign -352.600+/-198.083 χ^2/NDF : 42.4/43

asym_sam_48_dd_correction_rms vs Slug



Right In: 1168.054 $\pm$ 0.329 χ^2 /NDF: 831193.3/17

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

+ sign 967.628 $\pm$ 0.140 χ^2 /NDF: 2126972.2/42

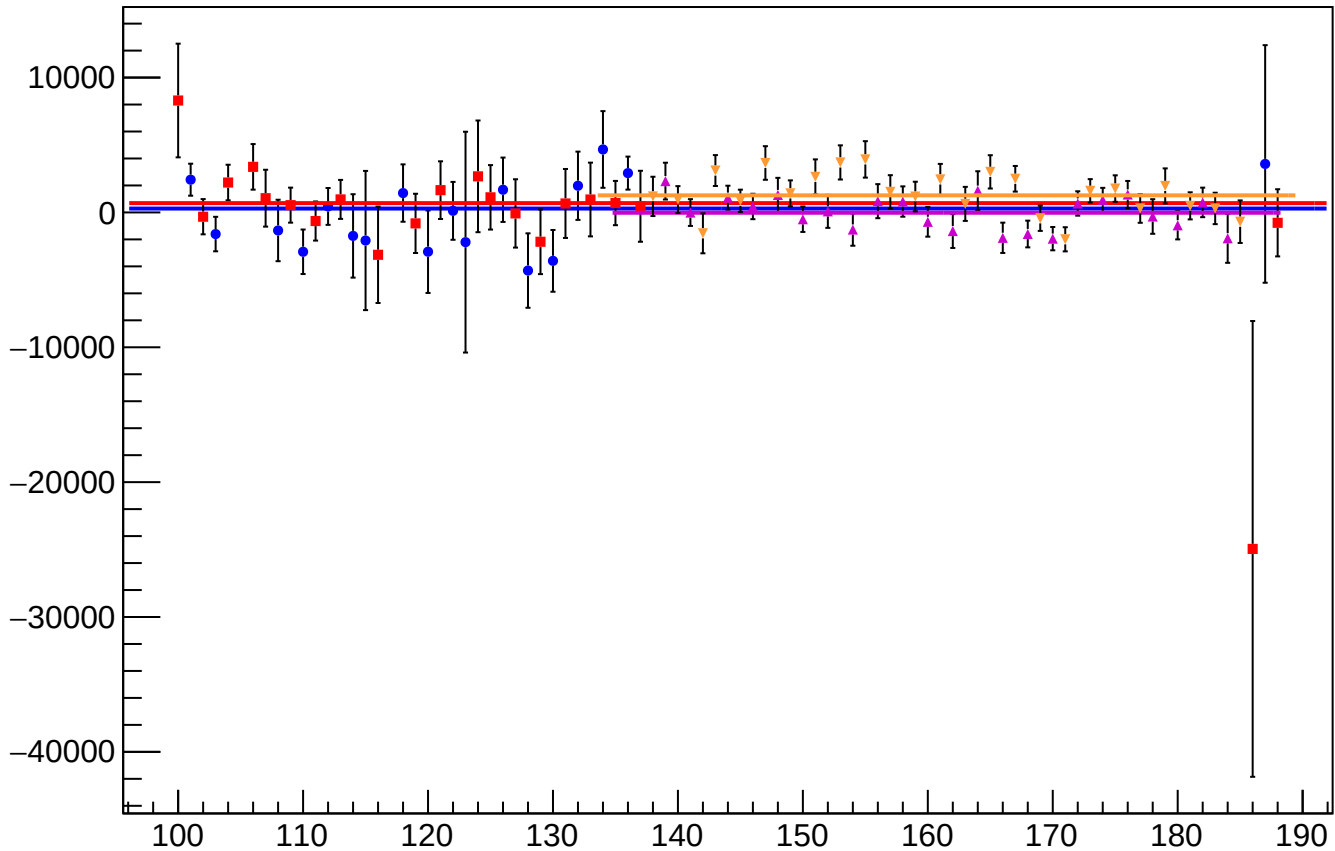
Right Out: 1165.354 $\pm$ 0.303 χ^2 /NDF: 1792017.1/20

All: 970.826 $\pm$ 0.099 χ^2 /NDF: 5059895.6/86

Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

- sign 974.047 $\pm$ 0.140 χ^2 /NDF: 2931869.7/43

asym_sam_48_dd_mean vs Slug



Right In: 287.210 ± 467.377 χ^2/NDF : 25.4/17

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 690.070 ± 431.421 χ^2/NDF : 14.9/20

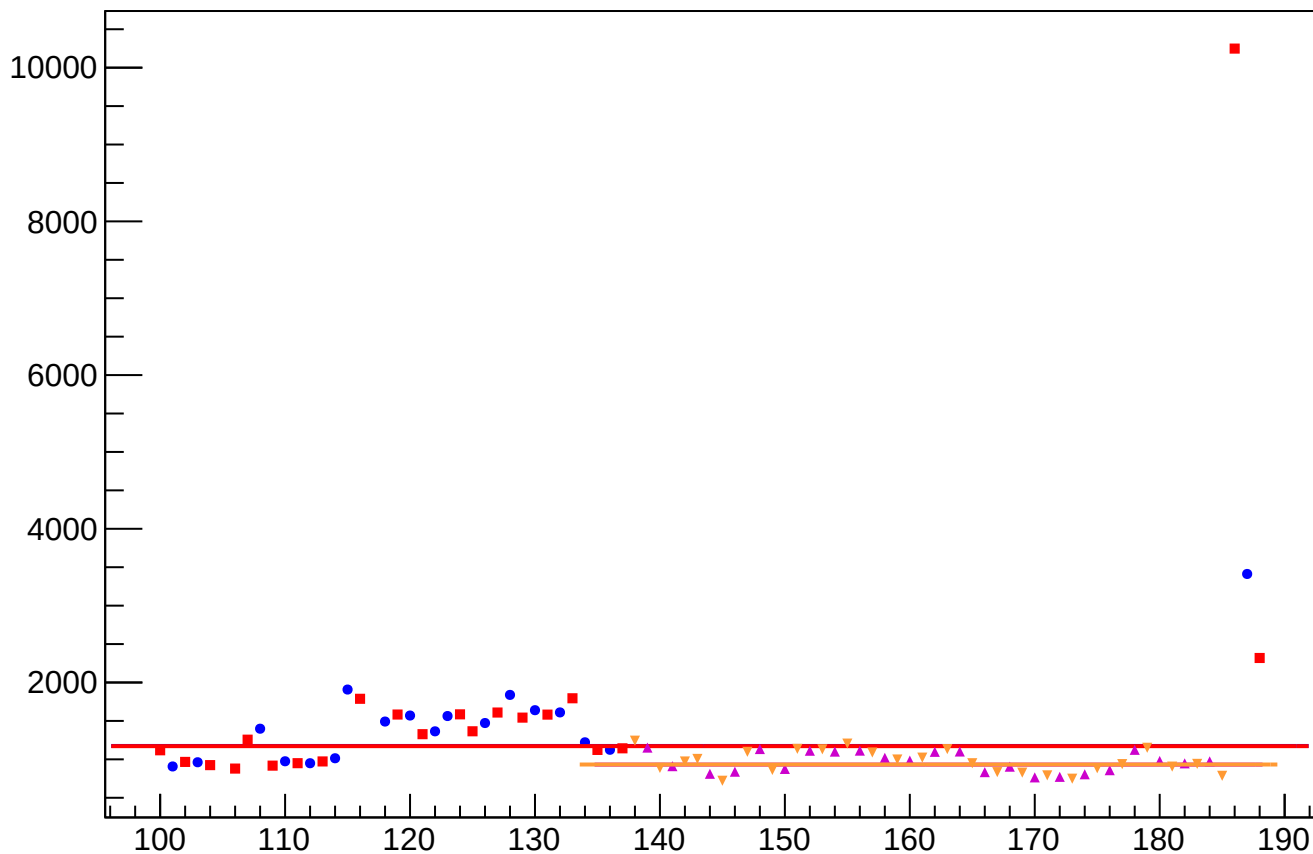
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1089.390 ± 199.149 χ^2/NDF : 73.9/42

All: 611.169 ± 141.063 χ^2/NDF : 129.7/86

- sign 129.626 ± 199.840 χ^2/NDF : 44.2/43

asym_sam_48_dd_rms vs Slug



Right In: 1174.105 $\pm$ 0.330 χ^2 /NDF: 825198.8/17

Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24

Right Out: 1171.675 $\pm$ 0.305 χ^2 /NDF: 1782921.7/20

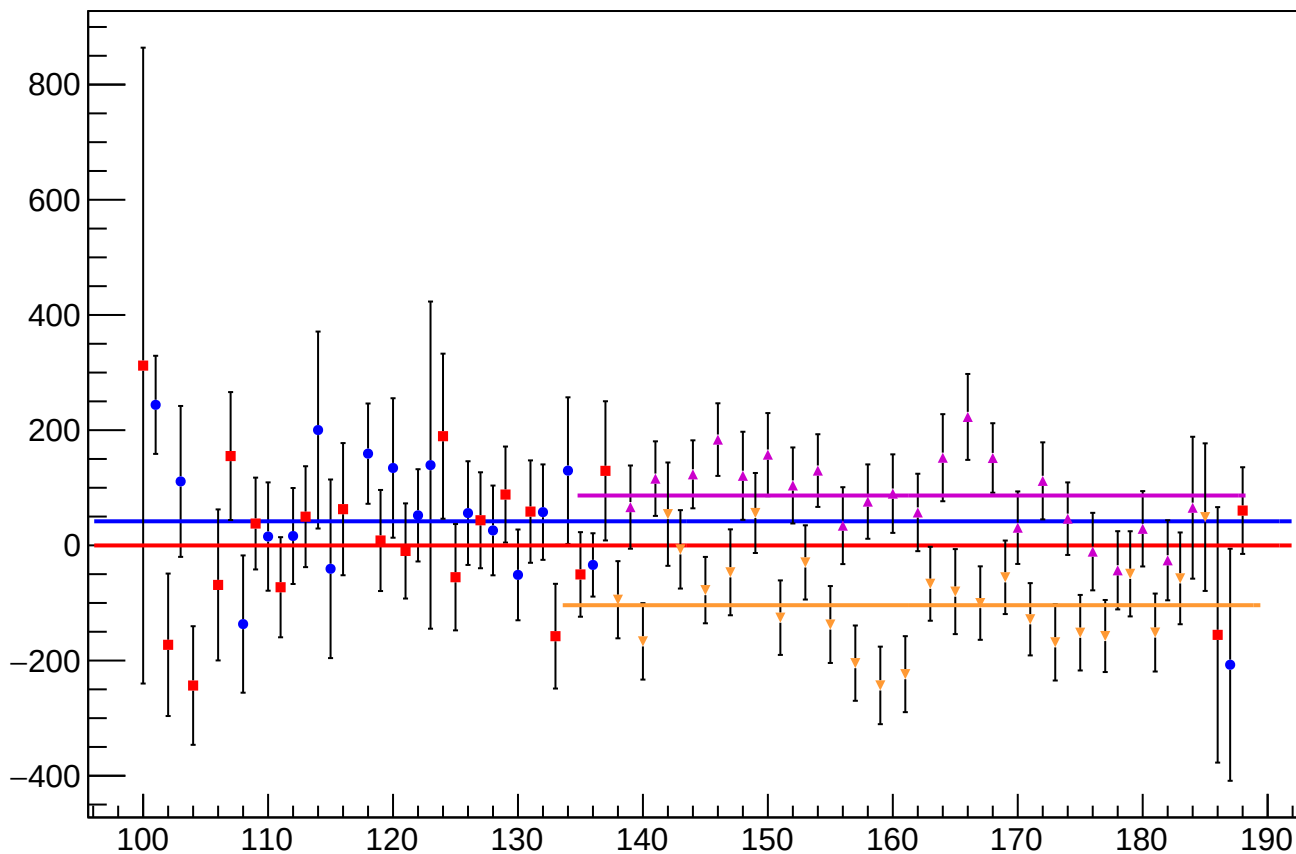
Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

+ sign 976.582 $\pm$ 0.141 χ^2 /NDF: 2091456.3/42

All: 979.794 $\pm$ 0.100 χ^2 /NDF: 4986735.1/86

- sign 983.028 $\pm$ 0.141 χ^2 /NDF: 2894234.9/43

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 41.780 $\pm$ 22.473 χ^2 /NDF: 17.4/17

Left Out: -103.899 $\pm$ 13.642 χ^2 /NDF:30.0/24

Right Out: -0.139 $\pm$ 21.189 χ^2 /NDF: 21.3/20

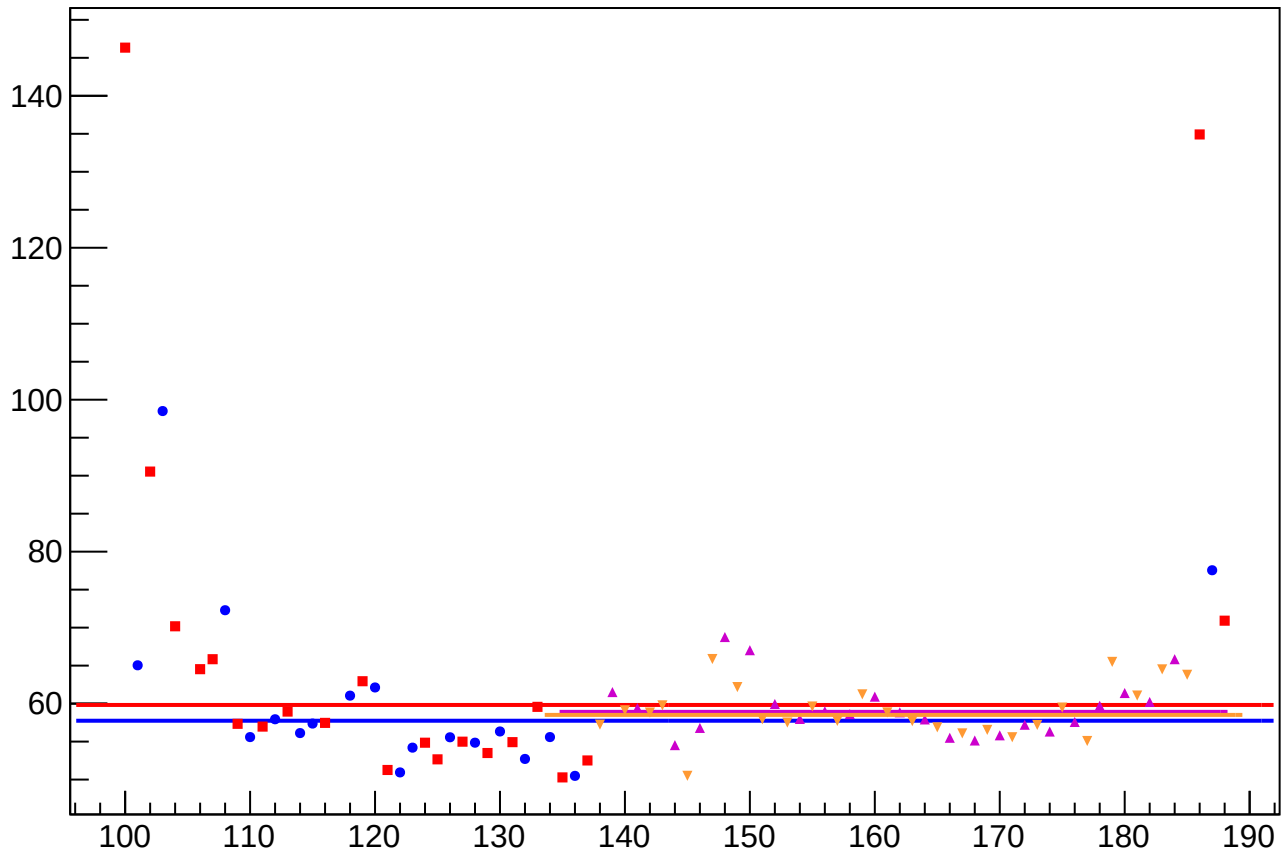
Left In: 86.542 $\pm$ 14.120 χ^2 /NDF:21.4/22

+ sign -64.672 $\pm$ 11.662 χ^2 /NDF: 78.1/42

All: -2.863 $\pm$ 8.277 χ^2 /NDF: 189.0/86

- sign 59.887 $\pm$ 11.750 χ^2 /NDF: 54.3/43

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.745 $\pm$ 0.016 χ^2 /NDF: 326276.6/17

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 59.821 $\pm$ 0.015 χ^2 /NDF: 582910.2/20

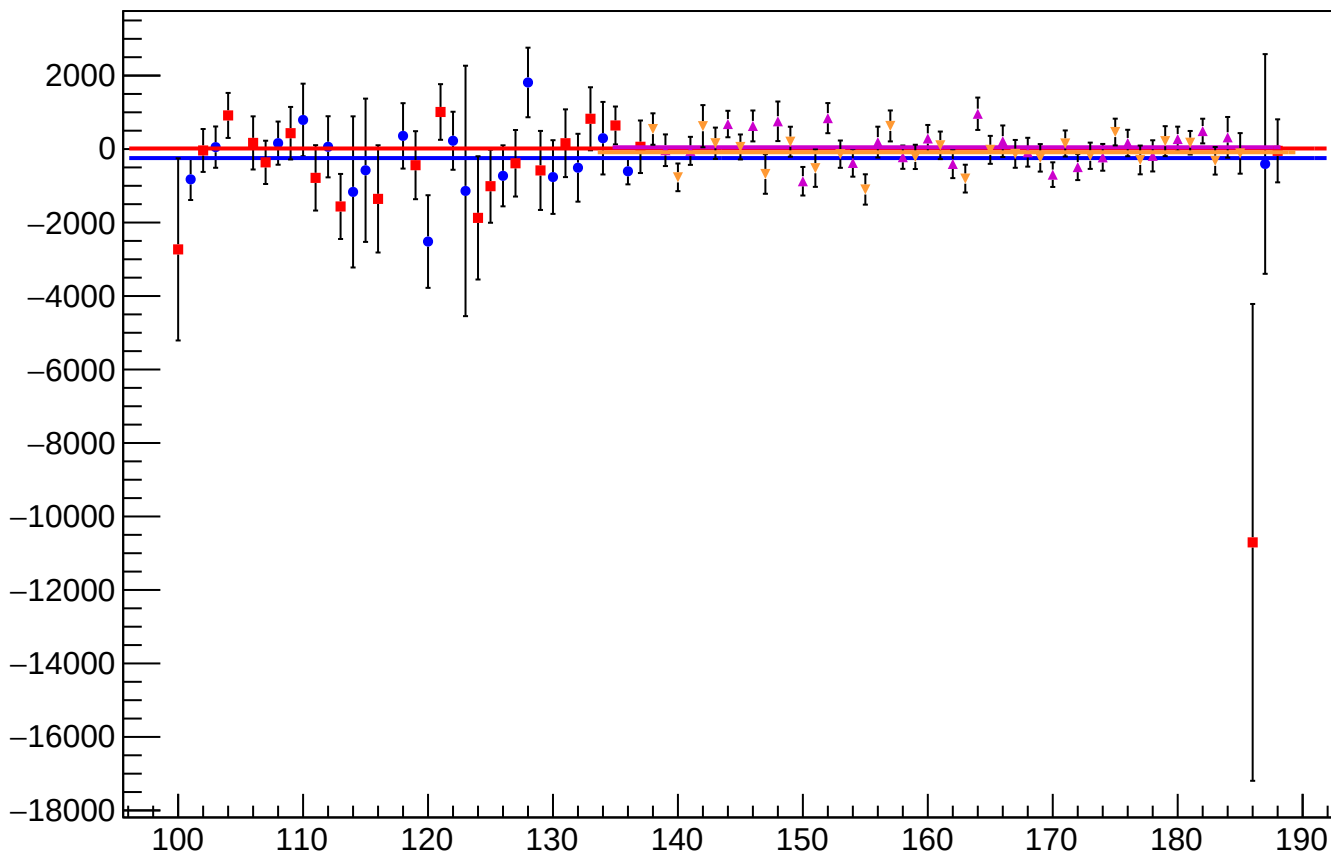
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 58.306 $\pm$ 0.008 χ^2 /NDF: 451206.5/42

All: 58.746 $\pm$ 0.006 χ^2 /NDF: 1152364.3/86

- sign 59.193 $\pm$ 0.008 χ^2 /NDF: 695421.7/43

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -245.737 ± 184.060 χ^2/NDF : 14.1/17

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: 15.786 ± 178.108 χ^2/NDF : 19.0/20

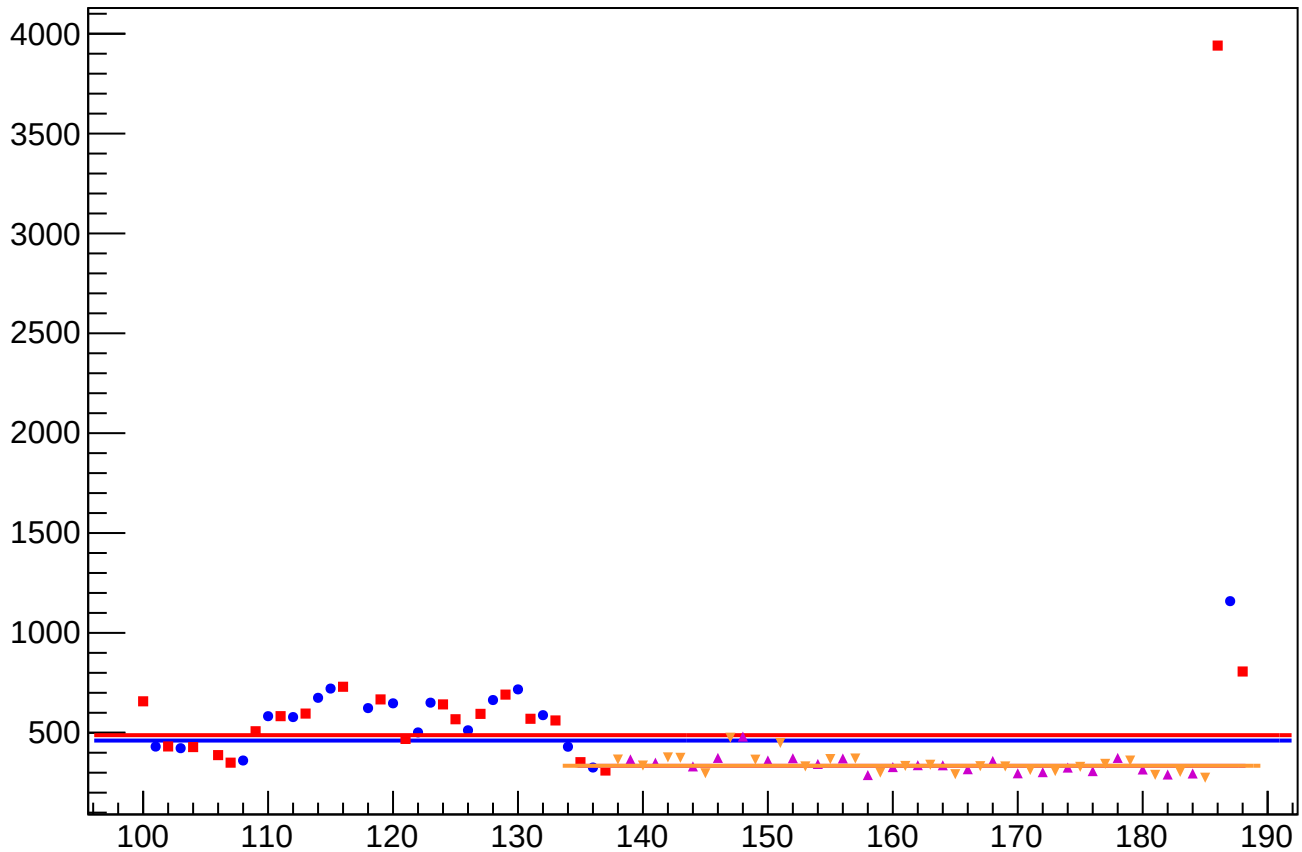
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -111.848 ± 72.251 χ^2/NDF : 42.5/42

All: -35.564 ± 51.488 χ^2/NDF : 99.1/86

- sign 43.146 ± 73.391 χ^2/NDF : 54.3/43

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 460.886 ± 0.130 $\chi^2/\text{NDF}: 988711.6/17$

Left Out: 334.749 ± 0.056 $\chi^2/\text{NDF}: 491370.4/24$

+ sign 354.185 ± 0.051 $\chi^2/\text{NDF}: 2274644.0/42$

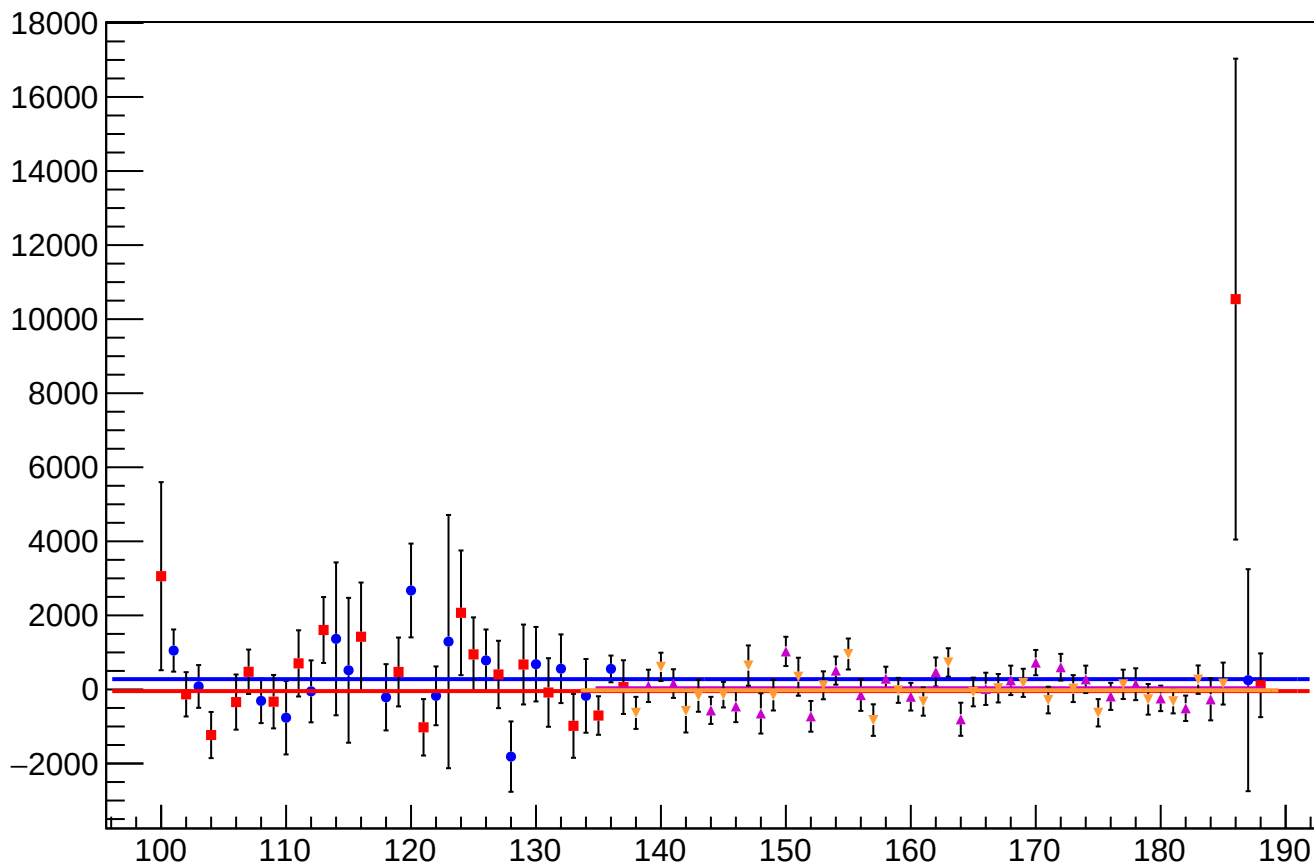
Right Out: 487.852 ± 0.126 $\chi^2/\text{NDF}: 1642231.9/20$

All: 357.168 ± 0.036 $\chi^2/\text{NDF}: 5557602.3/86$

- sign 360.245 ± 0.052 $\chi^2/\text{NDF}: 3276033.4/43$

Left In: 334.147 ± 0.057 $\chi^2/\text{NDF}: 397200.6/22$

asym_sam_13_57_dd_mean vs Slug



Right In: 278.445 $\pm$ 186.226 χ^2 /NDF: 15.0/17

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: -44.548 $\pm$ 180.240 χ^2 /NDF: 22.1/20

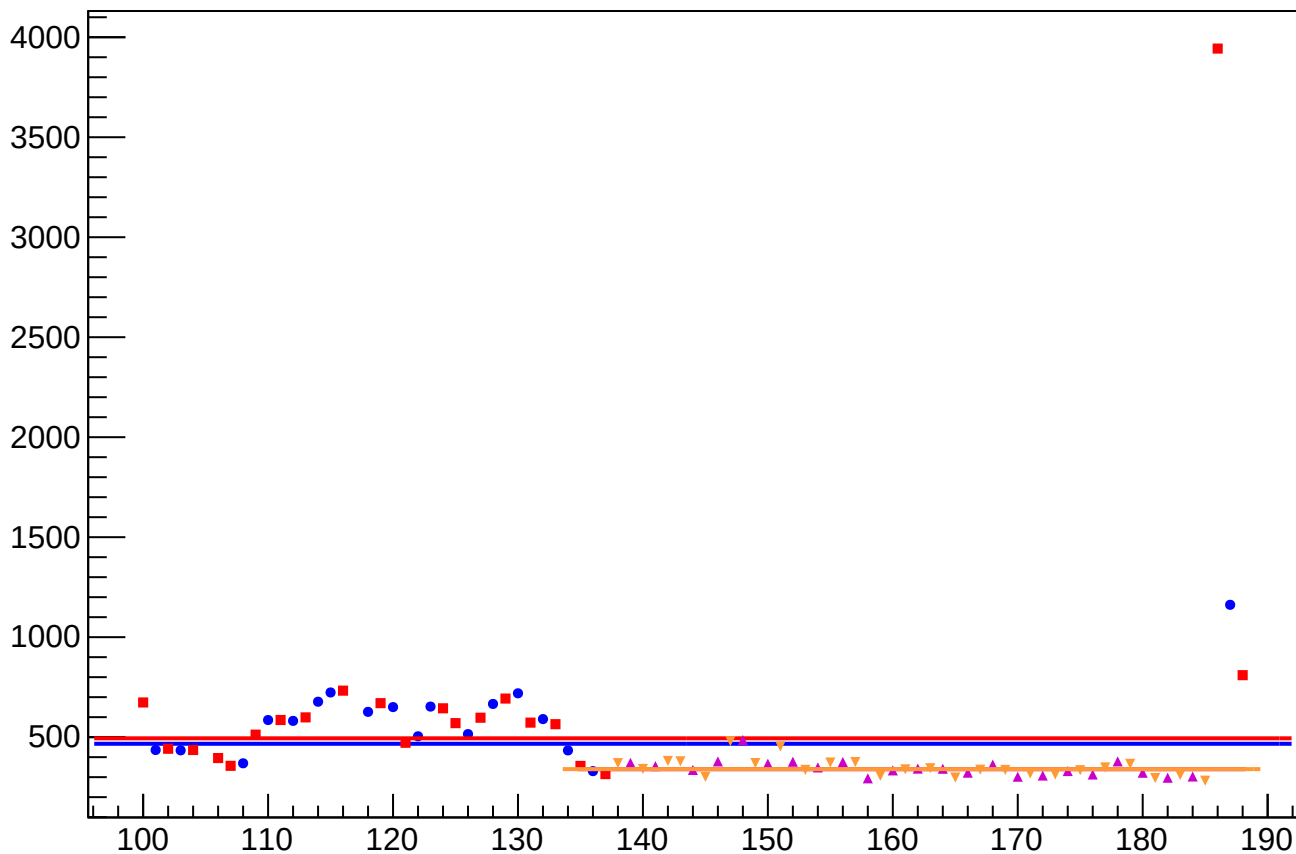
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 25.555 $\pm$ 73.359 χ^2 /NDF: 44.4/42

All: 22.206 $\pm$ 52.277 χ^2 /NDF: 100.6/86

- sign 18.750 $\pm$ 74.518 χ^2 /NDF: 56.3/43

asym_sam_13_57_dd_rms vs Slug



Right In: 466.949 $\pm$ 0.132 χ^2/NDF : 955849.4/17

Left Out: 340.238 $\pm$ 0.056 χ^2/NDF : 468863.6/24

Right Out: 494.188 $\pm$ 0.127 χ^2/NDF : 1603497.3/20

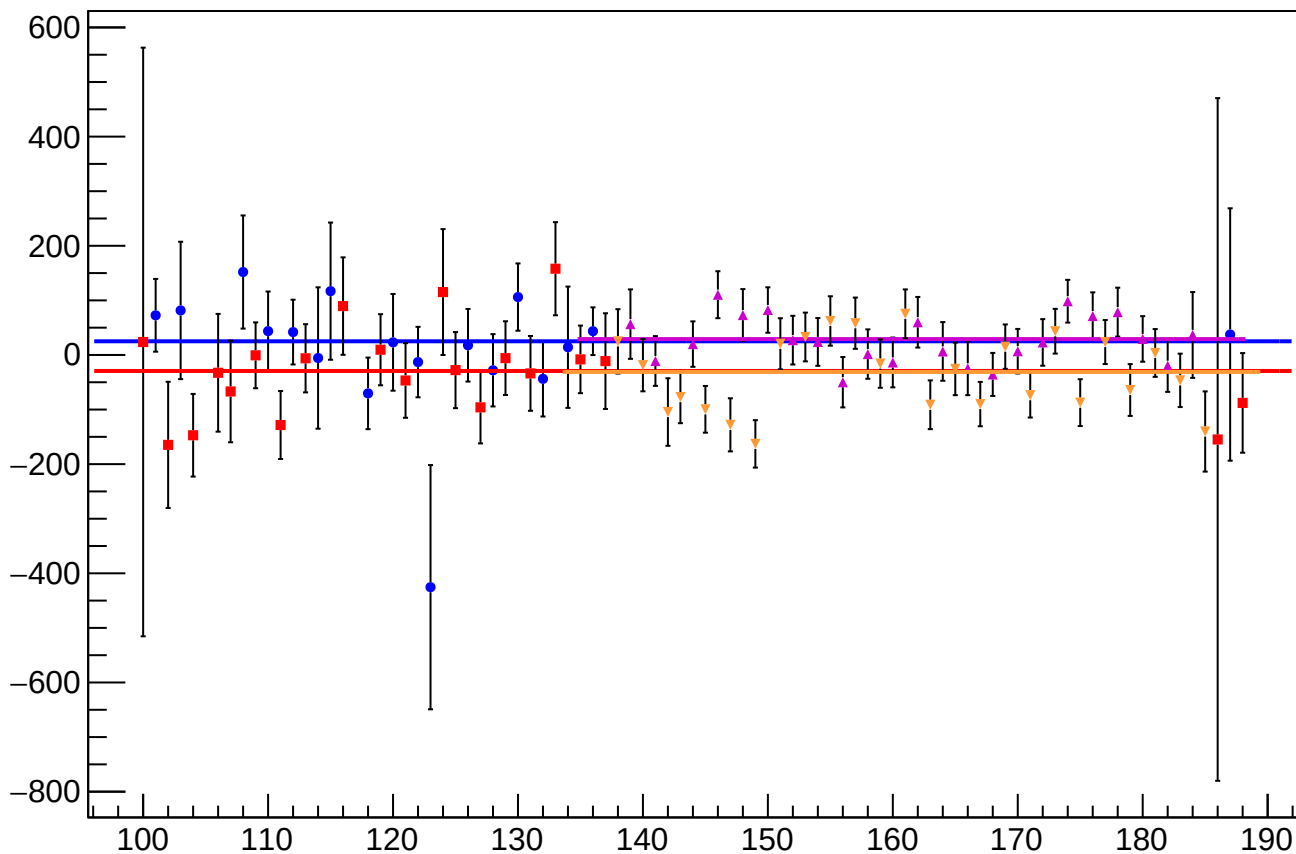
Left In: 339.621 $\pm$ 0.058 χ^2/NDF : 379808.1/22

+ sign 359.900 $\pm$ 0.052 χ^2/NDF : 2206971.0/42

All: 362.922 $\pm$ 0.037 χ^2/NDF : 5416588.9/86

- sign 366.041 $\pm$ 0.053 χ^2/NDF : 3202720.3/43

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 25.049 ± 17.818 χ^2/NDF : 13.0/17

Left Out: -31.063 ± 9.170 χ^2/NDF : 52.6/24

Right Out: -29.330 ± 17.120 χ^2/NDF : 17.2/20

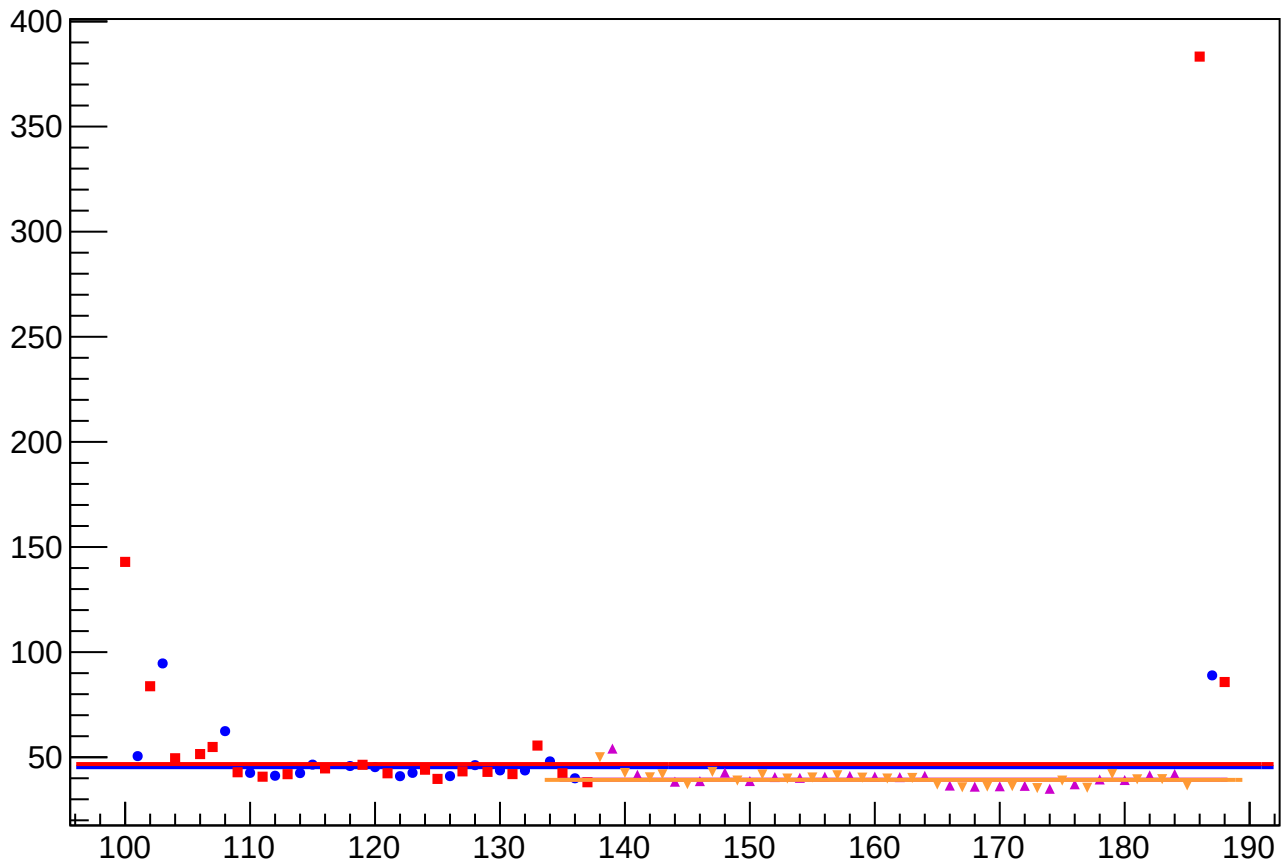
Left In: 29.055 ± 9.449 χ^2/NDF : 22.4/22

+ sign -19.314 ± 8.153 χ^2/NDF : 73.5/42

All: -2.199 ± 5.807 χ^2/NDF : 131.0/86

- sign 15.421 ± 8.273 χ^2/NDF : 48.6/43

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.271 $\pm$ 0.013 χ^2 /NDF: 510009.5/17

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 46.756 $\pm$ 0.012 χ^2 /NDF: 1377361.6/20

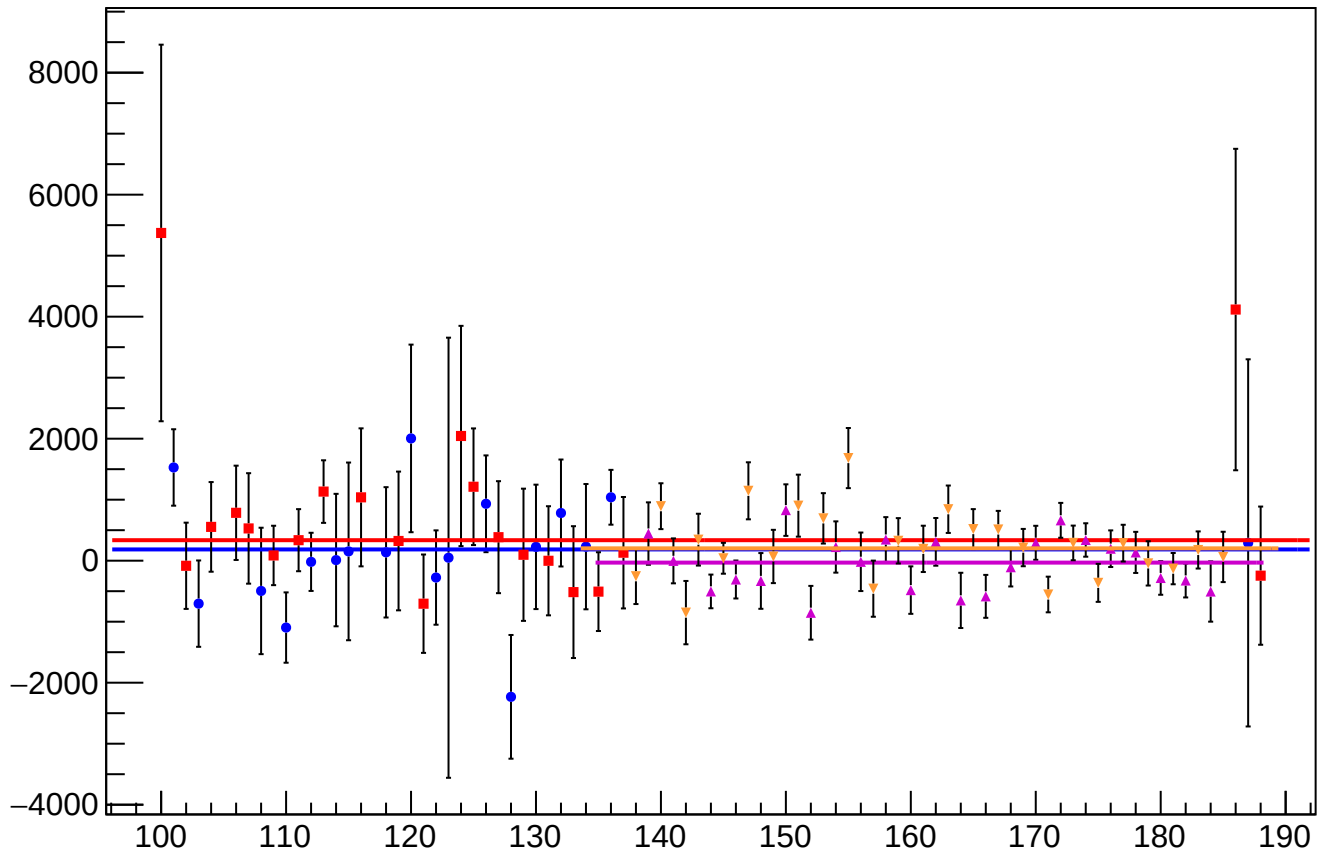
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 40.499 $\pm$ 0.006 χ^2 /NDF: 893389.5/42

All: 40.780 $\pm$ 0.004 χ^2 /NDF: 2779084.4/86

- sign 41.071 $\pm$ 0.006 χ^2 /NDF: 1880848.6/43

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.508 ± 188.671 χ^2/NDF : 24.2/17

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 335.998 ± 177.071 χ^2/NDF : 14.8/20

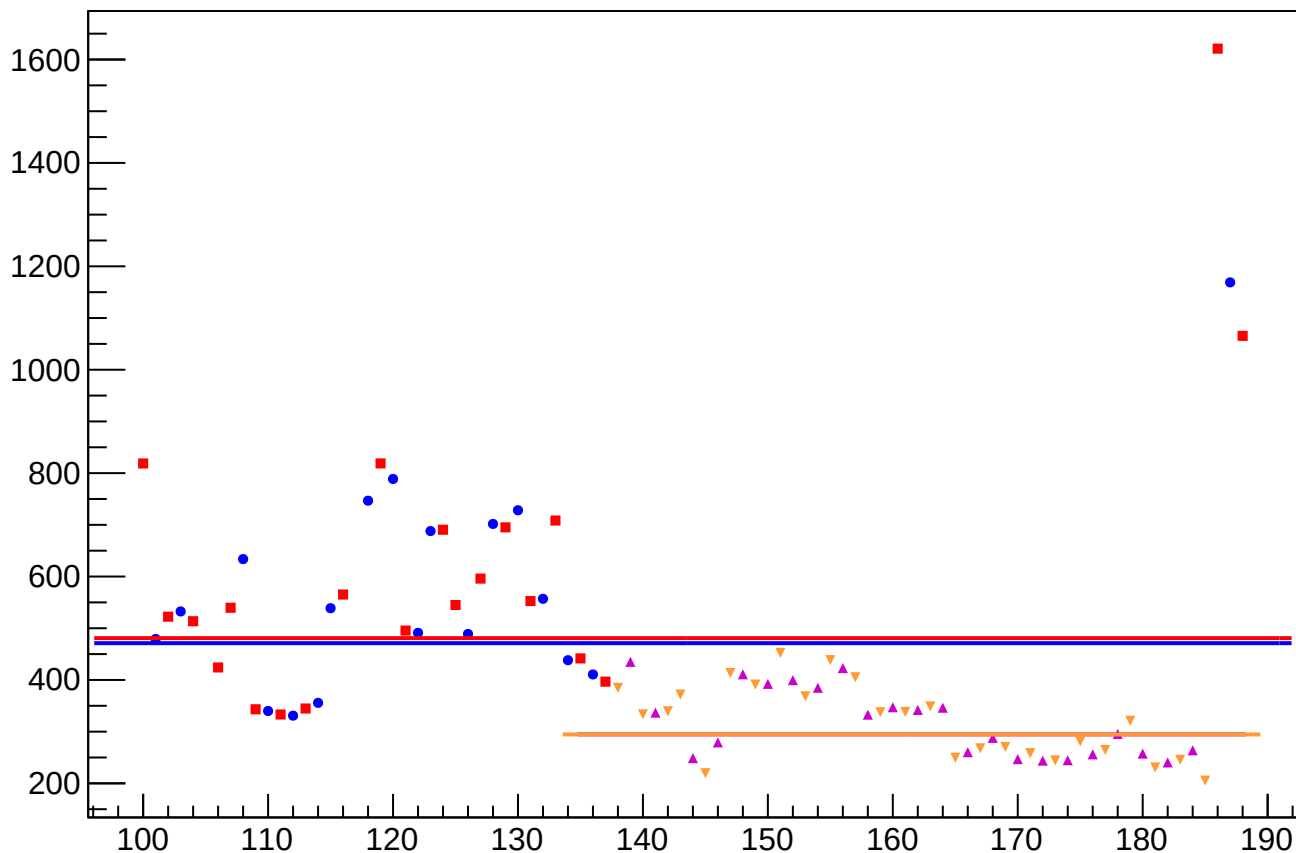
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 200.185 ± 65.979 χ^2/NDF : 69.0/42

All: 111.532 ± 46.934 χ^2/NDF : 124.6/86

- sign 20.723 ± 66.777 χ^2/NDF : 51.9/43

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 471.125 ± 0.133 $\chi^2/\text{NDF}: 991726.2/17$

Left Out: 294.591 ± 0.050 $\chi^2/\text{NDF}: 1680474.5/24$

Right Out: 480.867 ± 0.125 $\chi^2/\text{NDF}: 1890383.7/20$

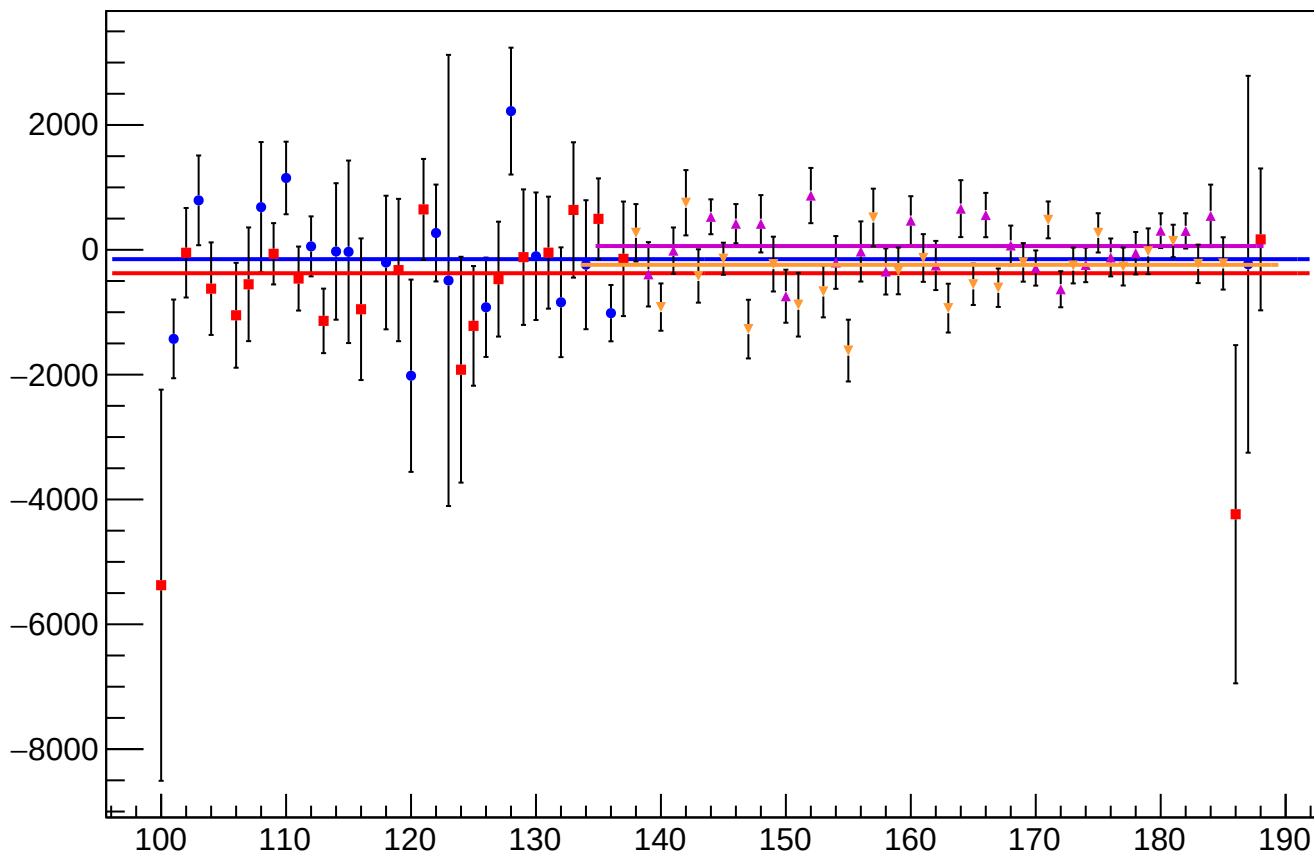
Left In: 294.722 ± 0.051 $\chi^2/\text{NDF}: 1297310.3/22$

+ sign 316.180 ± 0.047 $\chi^2/\text{NDF}: 4209020.0/42$

All: 318.658 ± 0.033 $\chi^2/\text{NDF}: 9298311.9/86$

- sign 321.195 ± 0.047 $\chi^2/\text{NDF}: 5083585.0/43$

asym_sam_15_37_dd_mean vs Slug



Right In: -149.827 ± 189.839 χ^2/NDF : 24.1/17

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -375.246 ± 178.912 χ^2/NDF : 14.7/20

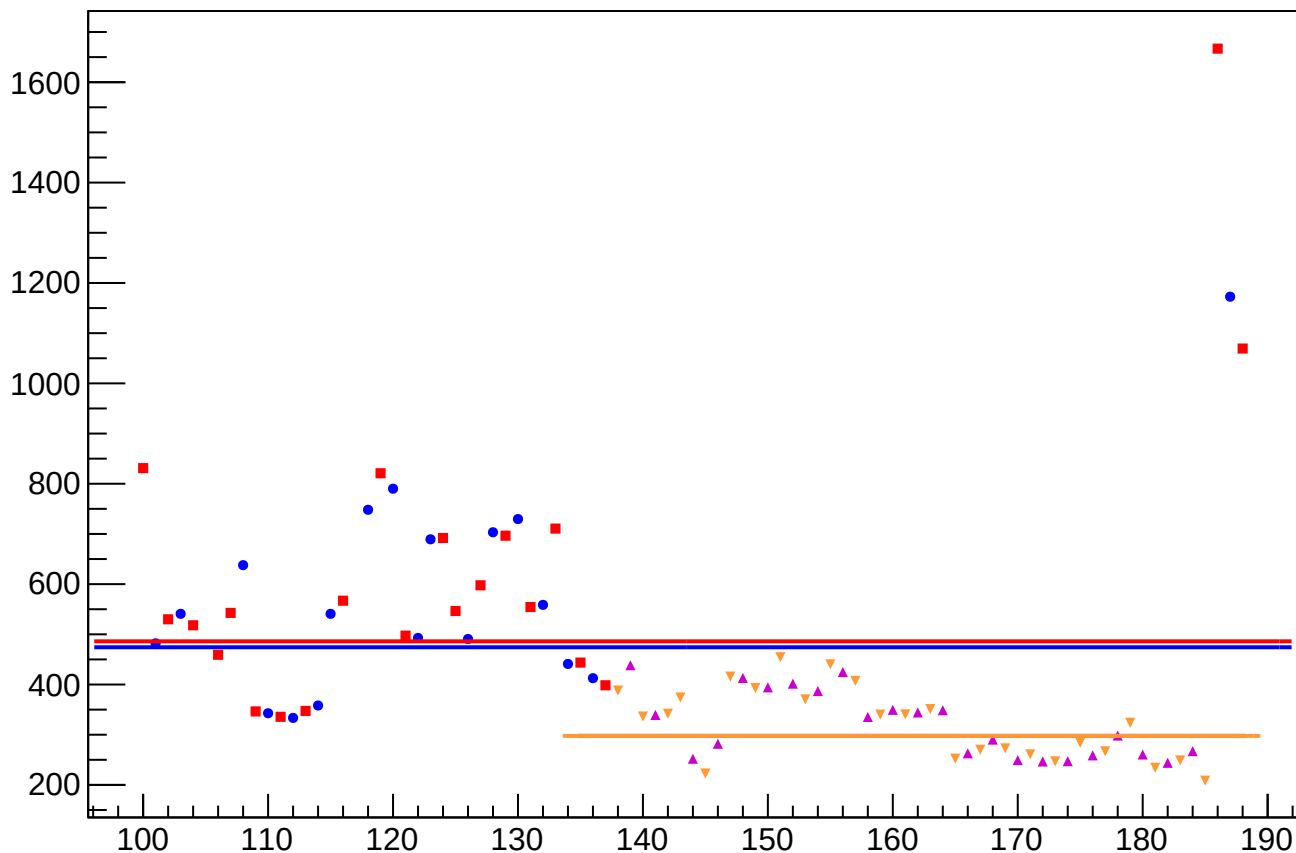
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -229.220 ± 66.584 χ^2/NDF : 67.3/42

All: -116.798 ± 47.375 χ^2/NDF : 123.7/86

- sign -1.528 ± 67.422 χ^2/NDF : 50.7/43

asym_sam_15_37_dd_rms vs Slug



Right In: 474.227+/-0.134 χ^2/NDF : 982678.1/17

Left Out: 297.613+/-0.050 χ^2/NDF : 1637757.8/24

Right Out: 486.045+/-0.127 χ^2/NDF : 1875011.8/20

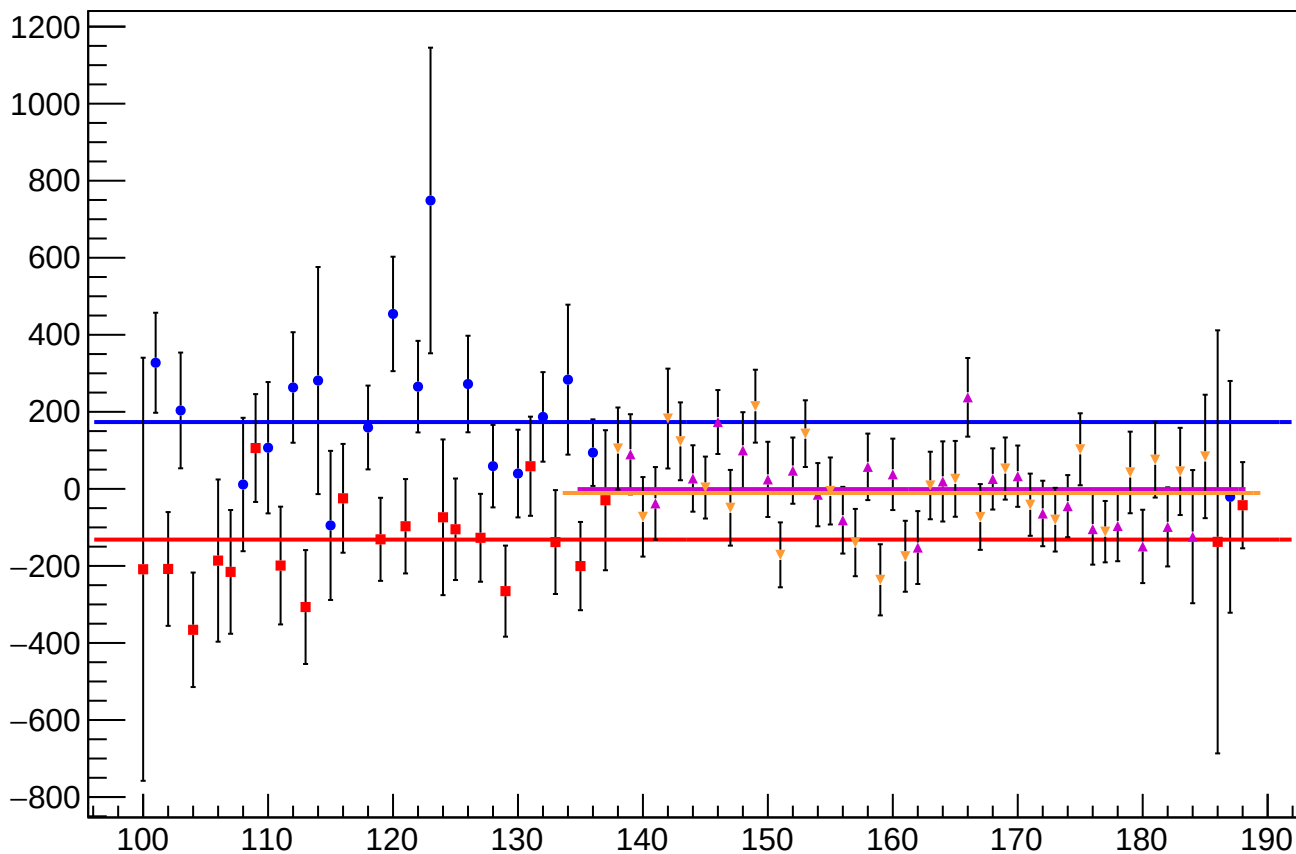
Left In: 297.699+/-0.051 χ^2/NDF : 1266306.2/22

+ sign 319.339+/-0.047 χ^2/NDF : 4138537.4/42

All: 321.861+/-0.033 χ^2/NDF : 9187380.1/86

- sign 324.446+/-0.048 χ^2/NDF : 5043033.0/43

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 173.459 ± 32.639 $\chi^2/\text{NDF}: 15.9/17$

Left Out: -10.667 ± 18.610 $\chi^2/\text{NDF}: 36.3/24$

Right Out: -131.659 ± 31.104 $\chi^2/\text{NDF}: 13.2/20$

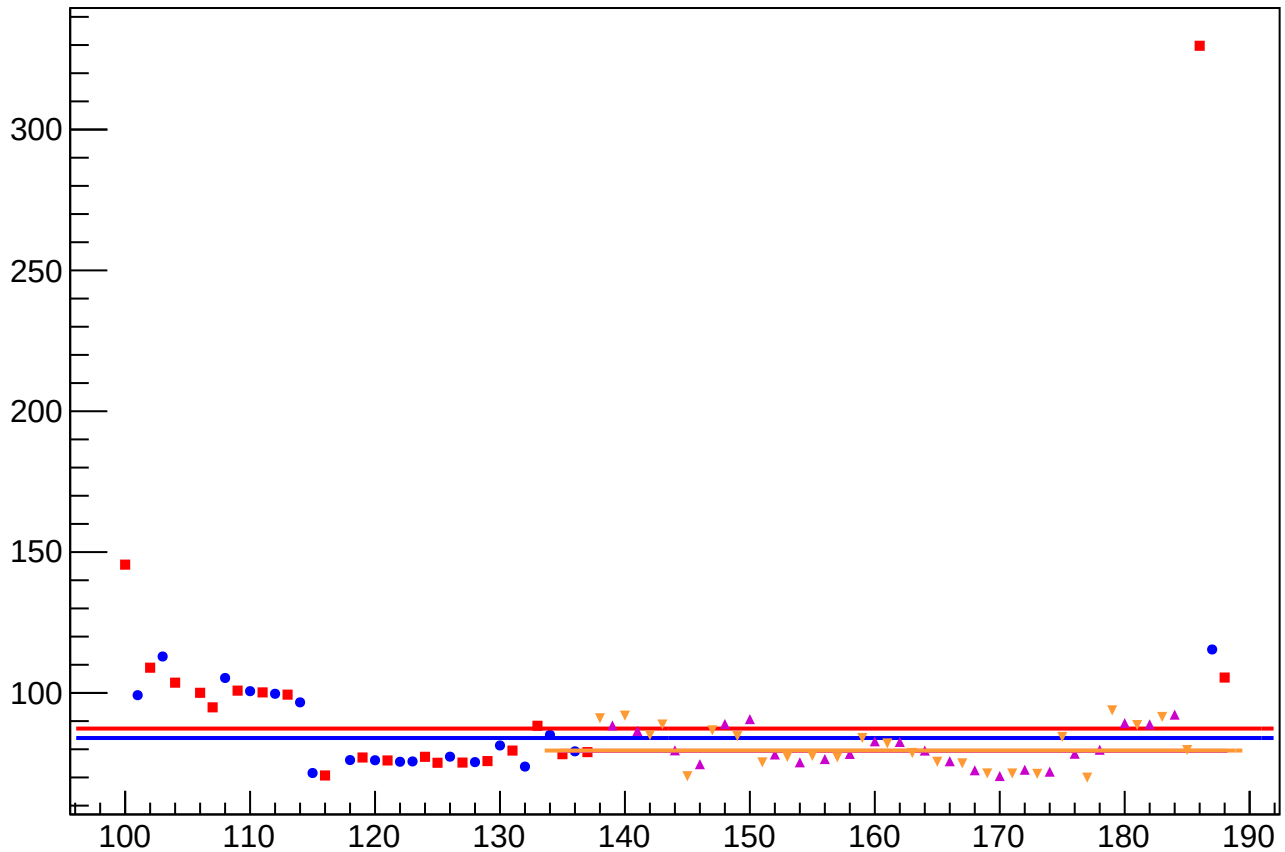
Left In: -0.575 ± 19.091 $\chi^2/\text{NDF}: 23.8/22$

+ sign 34.505 ± 16.167 $\chi^2/\text{NDF}: 76.3/42$

All: -0.742 ± 11.468 $\chi^2/\text{NDF}: 135.7/86$

- sign -36.445 ± 16.271 $\chi^2/\text{NDF}: 49.8/43$

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.996 $\pm$ 0.023 χ^2 /NDF: 276347.3/17

Left Out: 79.551 $\pm$ 0.013 χ^2 /NDF: 309075.2/24

Right Out: 87.357 $\pm$ 0.022 χ^2 /NDF: 739683.6/20

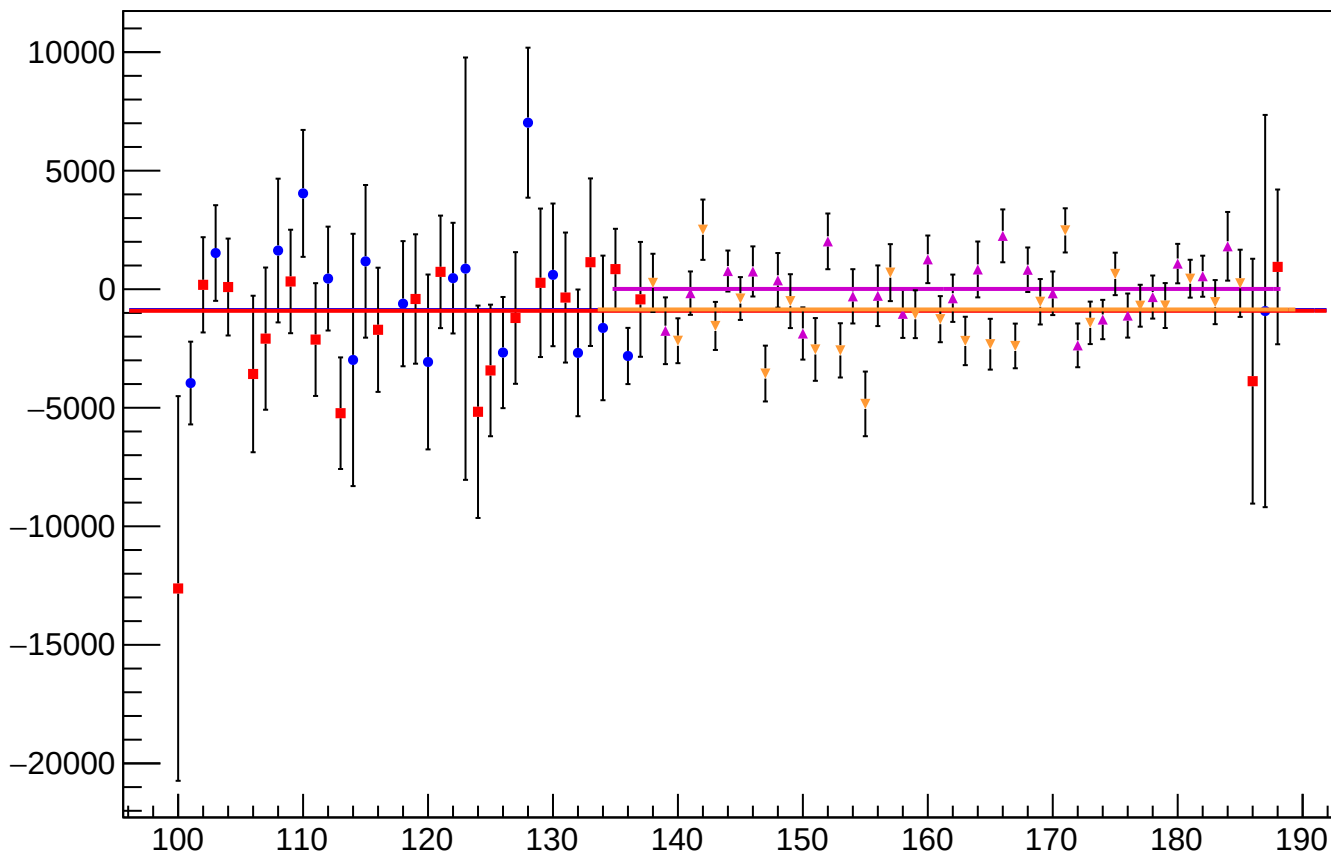
Left In: 79.436 $\pm$ 0.013 χ^2 /NDF: 212440.1/22

+ sign 80.642 $\pm$ 0.011 χ^2 /NDF: 613415.6/42

All: 81.120 $\pm$ 0.008 χ^2 /NDF: 1663259.7/86

- sign 81.604 $\pm$ 0.012 χ^2 /NDF: 1046323.6/43

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -877.956 ± 583.050 χ^2/NDF : 20.5/17

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -910.425 ± 577.123 χ^2/NDF : 12.0/20

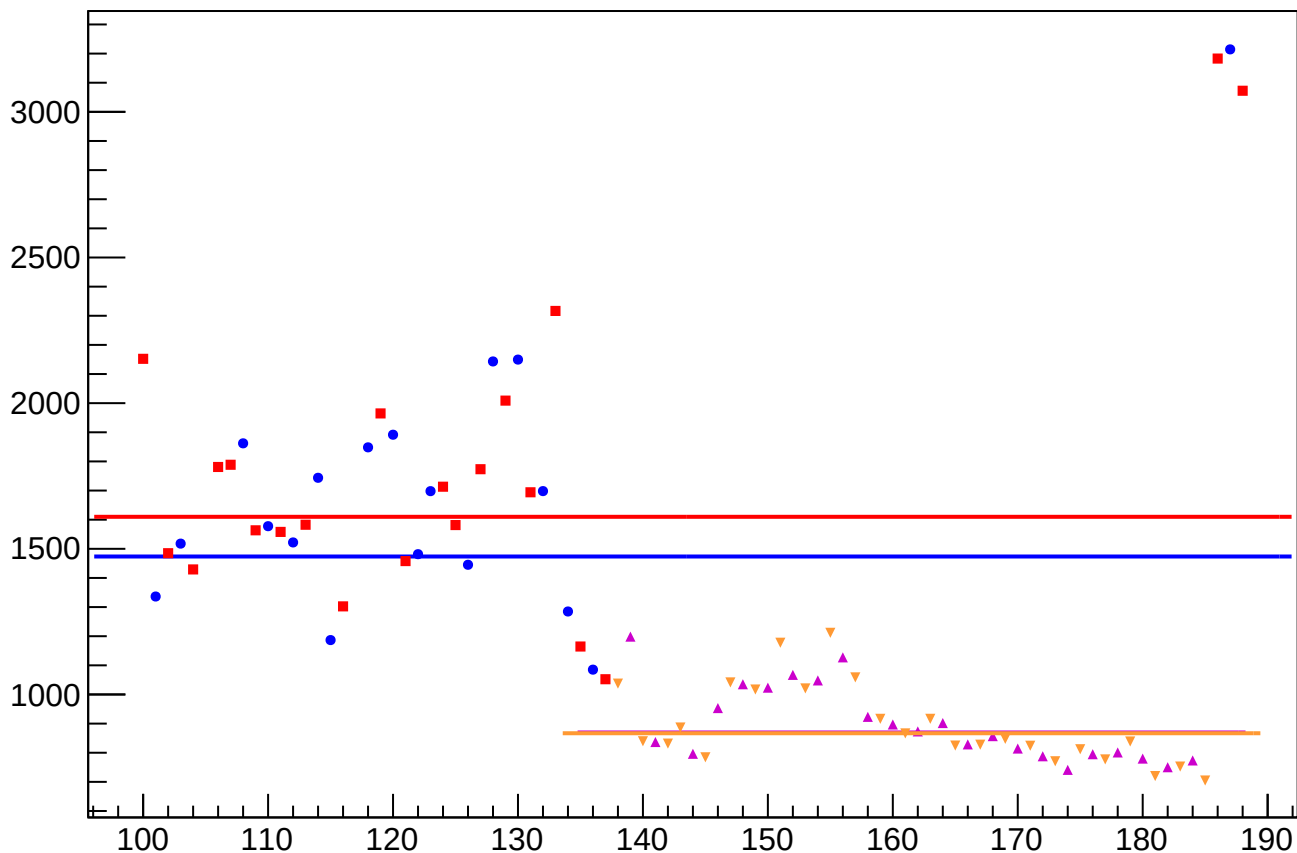
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -856.730 ± 192.630 χ^2/NDF : 76.5/42

All: -485.767 ± 137.866 χ^2/NDF : 129.6/86

- sign -96.195 ± 197.402 χ^2/NDF : 45.5/43

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1473.614+/-0.412 χ^2/NDF : 654360.2/17

Left Out: 866.893+/-0.144 χ^2/NDF : 661712.5/24

Right Out: 1609.905+/-0.408 χ^2/NDF : 1069404.5/20

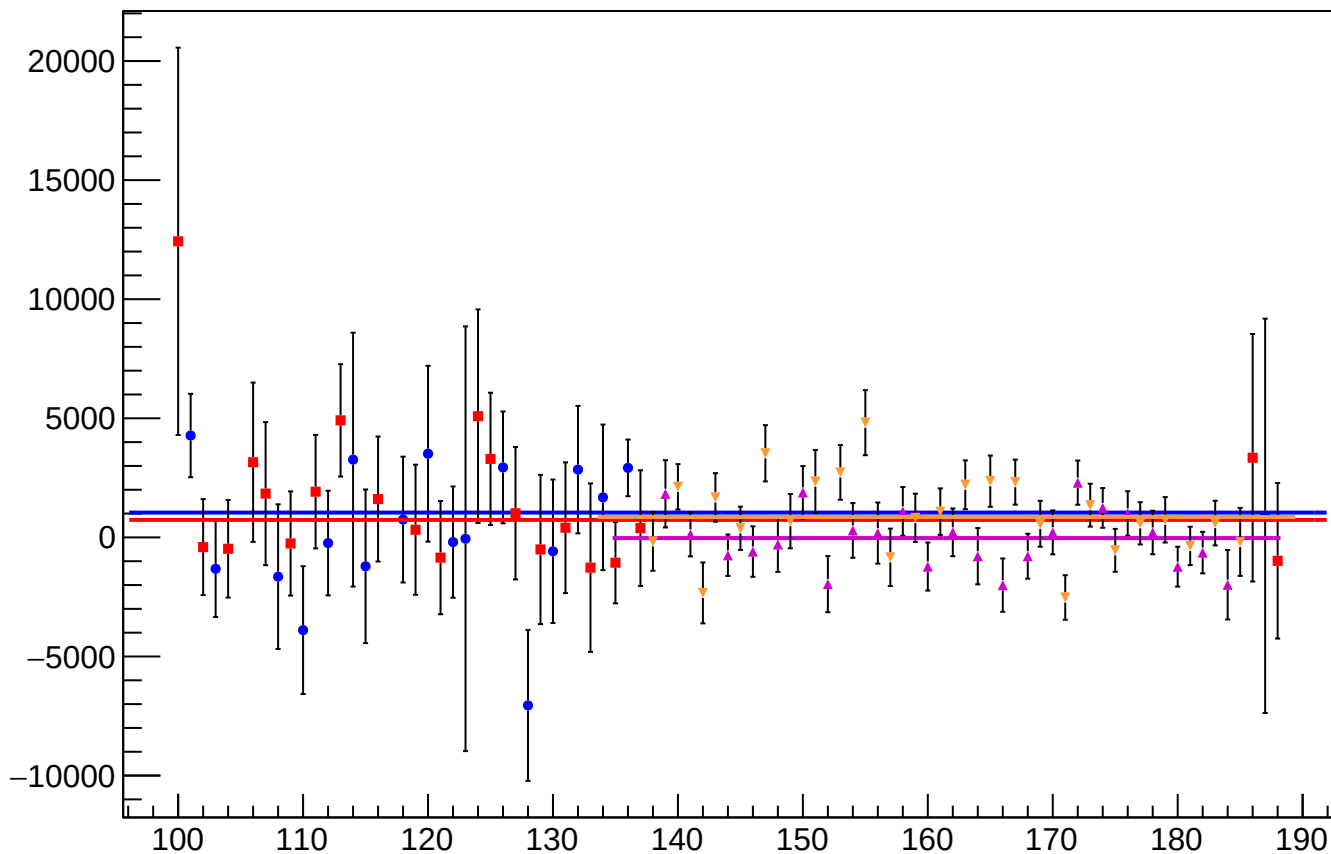
Left In: 869.569+/-0.149 χ^2/NDF : 582301.2/22

+ sign 933.119+/-0.136 χ^2/NDF : 3245368.7/42

All: 944.369+/-0.097 χ^2/NDF : 7817188.1/86

- sign 956.184+/-0.140 χ^2/NDF : 4557832.0/43

asym_sam_24_68_dd_mean vs Slug



Right In: 1041.809+/-584.255 χ^2/NDF : 21.2/17

Left Out: 855.664+/-205.047 χ^2/NDF : 54.1/24

Right Out: 735.480+/-578.416 χ^2/NDF : 11.5/20

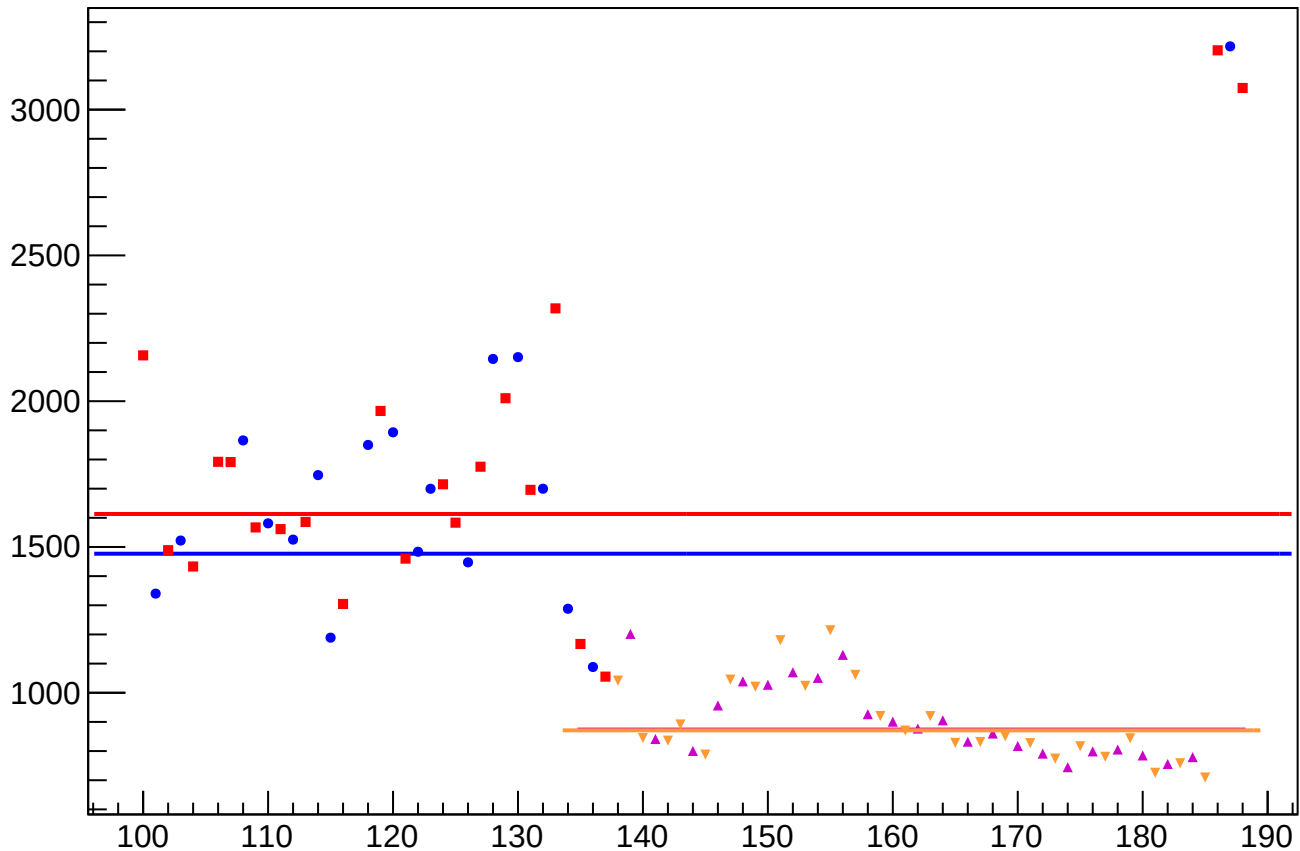
Left In: -28.553+/-211.034 χ^2/NDF : 29.7/22

+ sign 876.077+/-193.478 χ^2/NDF : 75.3/42

All: 478.568+/-138.466 χ^2/NDF : 126.8/86

- sign 61.203+/-198.251 χ^2/NDF : 42.8/43

asym_sam_24_68_dd_rms vs Slug



Right In: 1476.905 ± 0.413 $\chi^2/\text{NDF}: 650690.0/17$

Left Out: 871.109 ± 0.145 $\chi^2/\text{NDF}: 651751.1/24$

+ sign 937.542 ± 0.137 $\chi^2/\text{NDF}: 3216838.6/42$

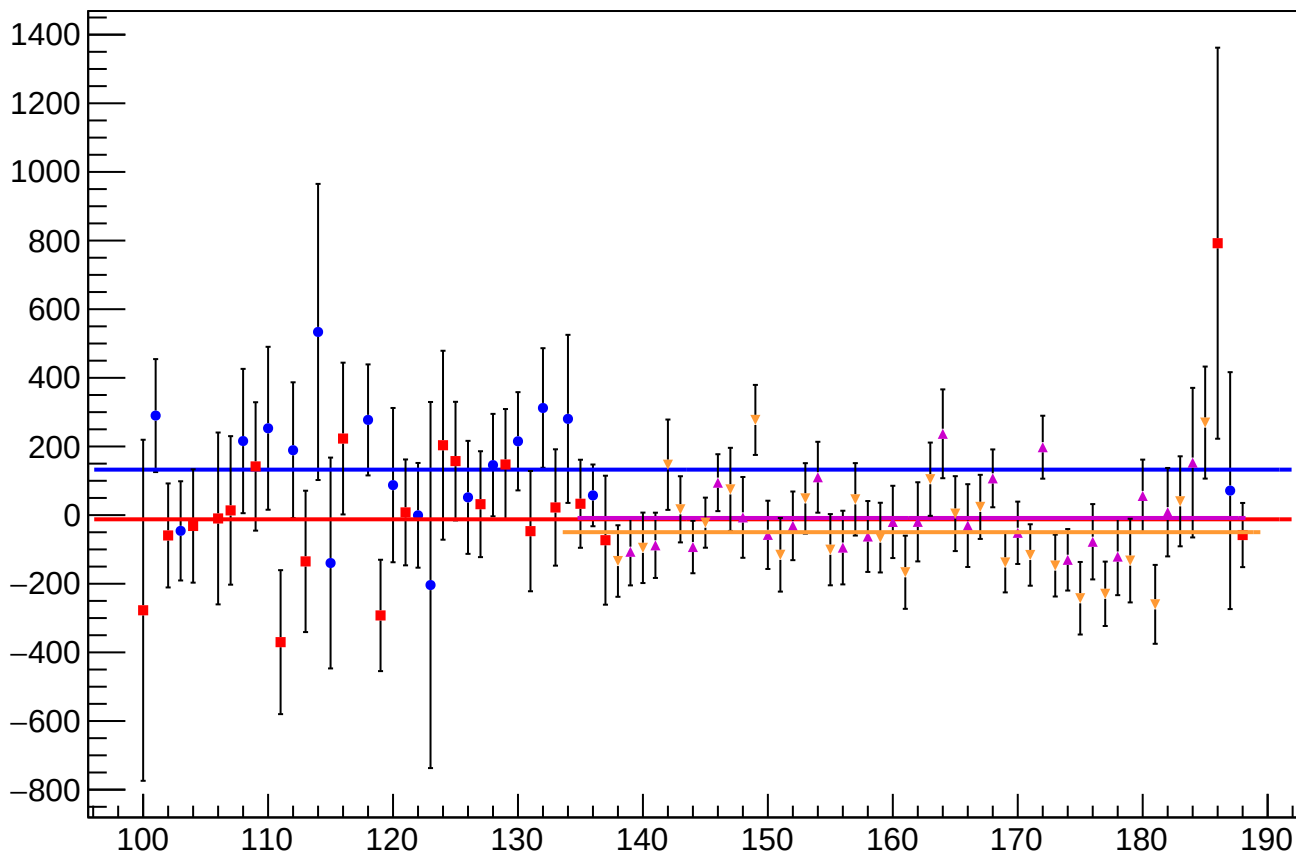
Right Out: 1613.196 ± 0.409 $\chi^2/\text{NDF}: 1067880.7/20$

All: 948.766 ± 0.098 $\chi^2/\text{NDF}: 7757543.1/86$

- sign 960.551 ± 0.140 $\chi^2/\text{NDF}: 4526905.9/43$

Left In: 873.675 ± 0.149 $\chi^2/\text{NDF}: 573822.5/22$

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 132.516 ± 41.404 χ^2/NDF : 9.3/17

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: -12.255 ± 37.857 χ^2/NDF : 13.7/20

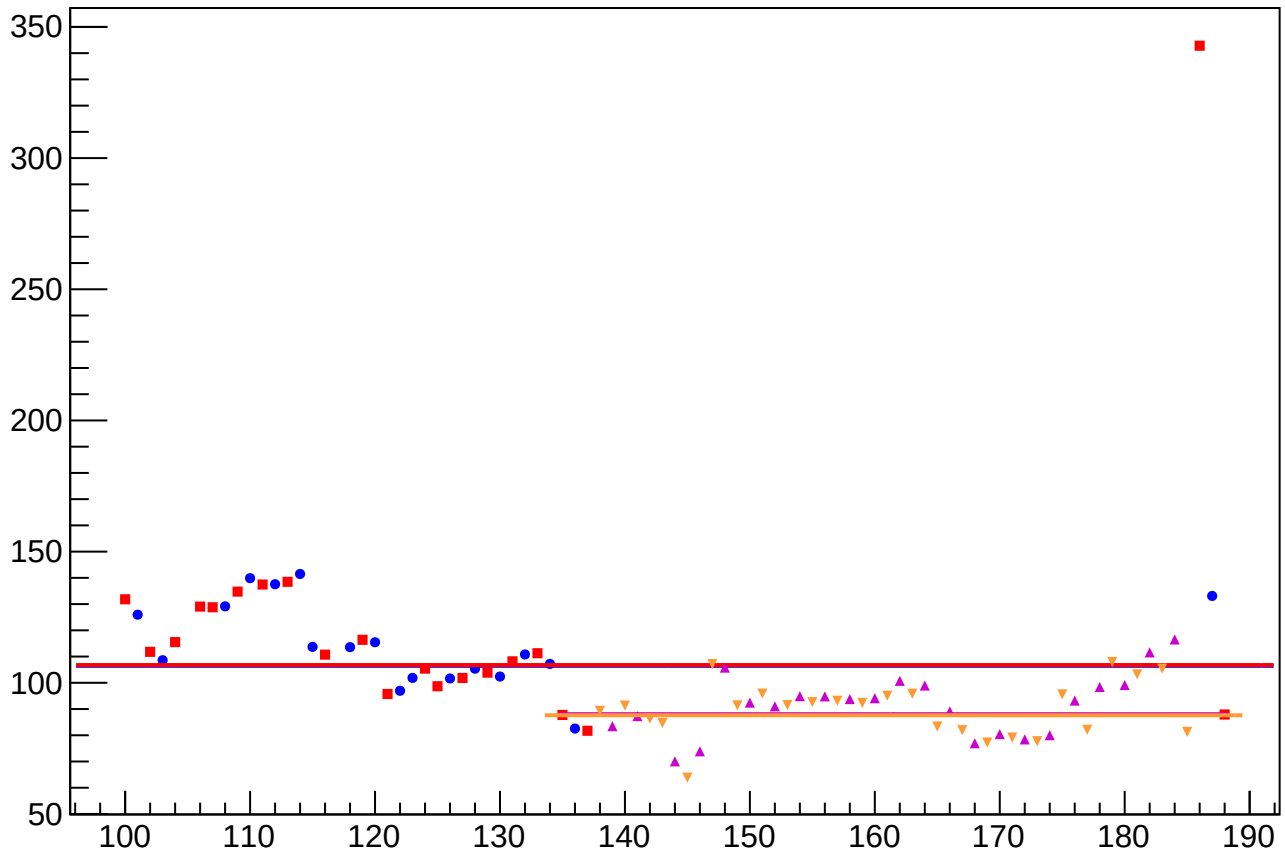
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign -13.613 ± 18.429 χ^2/NDF : 64.3/42

All: -11.461 ± 13.072 χ^2/NDF : 100.0/86

- sign -9.282 ± 18.544 χ^2/NDF : 35.7/43

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.482 $\pm$ 0.029 χ^2 /NDF: 328177.9/17

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 106.764 $\pm$ 0.027 χ^2 /NDF: 715227.1/20

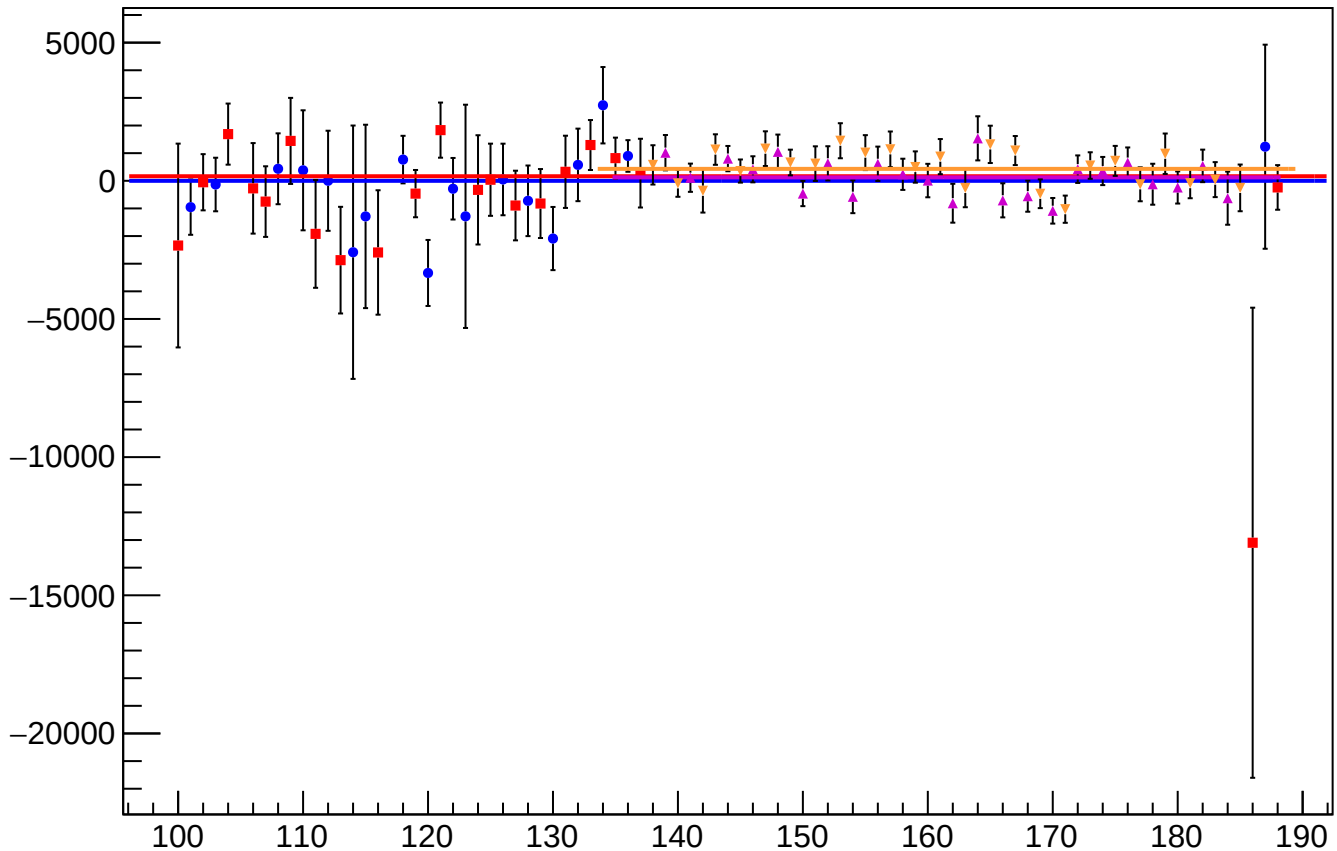
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 91.361 $\pm$ 0.013 χ^2 /NDF: 1215524.6/42

All: 91.941 $\pm$ 0.009 χ^2 /NDF: 2830621.2/86

- sign 92.527 $\pm$ 0.013 χ^2 /NDF: 1611120.6/43

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -0.982 ± 283.426 χ^2/NDF : 20.6/17

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 164.701 ± 264.537 χ^2/NDF : 18.6/20

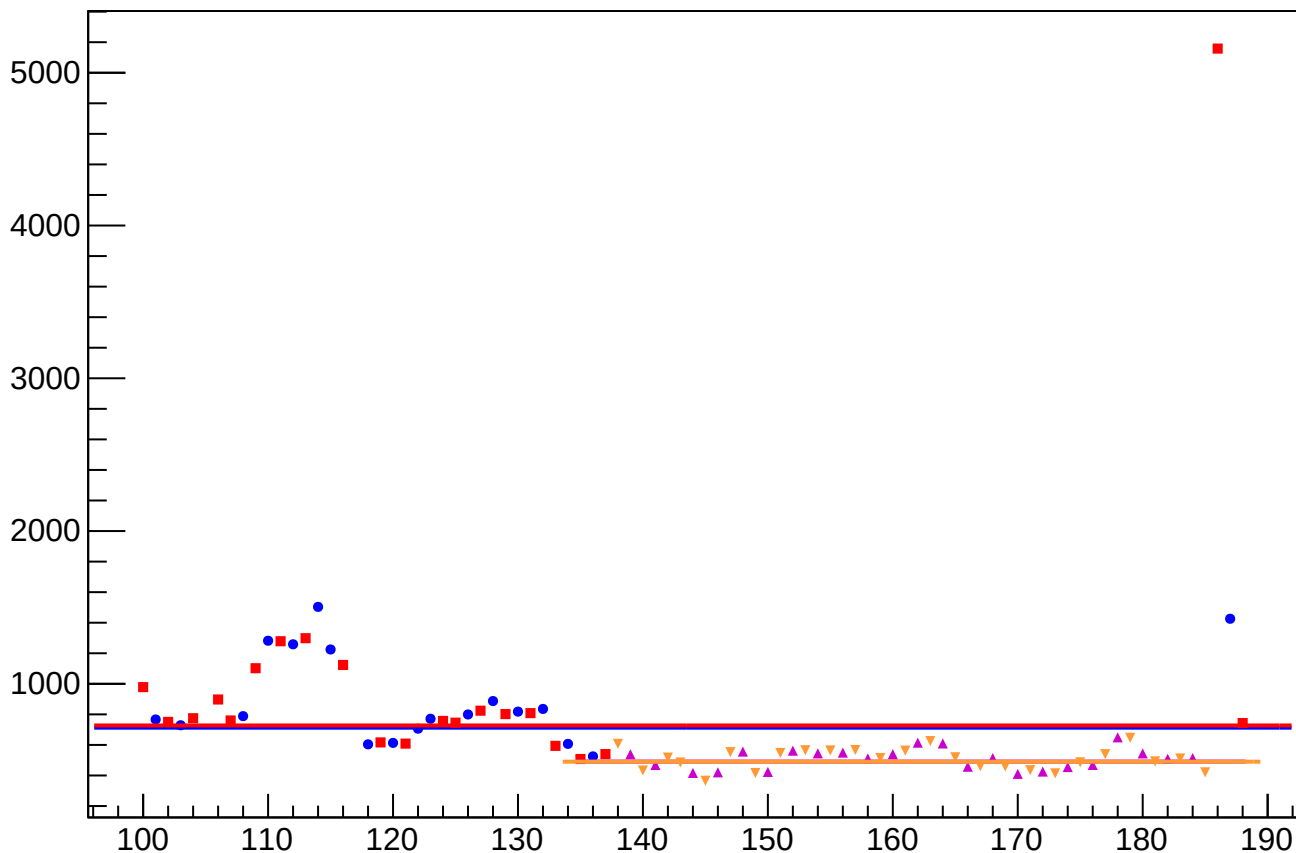
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 369.855 ± 107.123 χ^2/NDF : 53.1/42

All: 251.369 ± 76.199 χ^2/NDF : 103.4/86

- sign 130.017 ± 108.411 χ^2/NDF : 47.9/43

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 713.044 $\pm$ 0.200 χ^2 /NDF: 868468.8/17

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 727.395 $\pm$ 0.187 χ^2 /NDF: 1446428.4/20

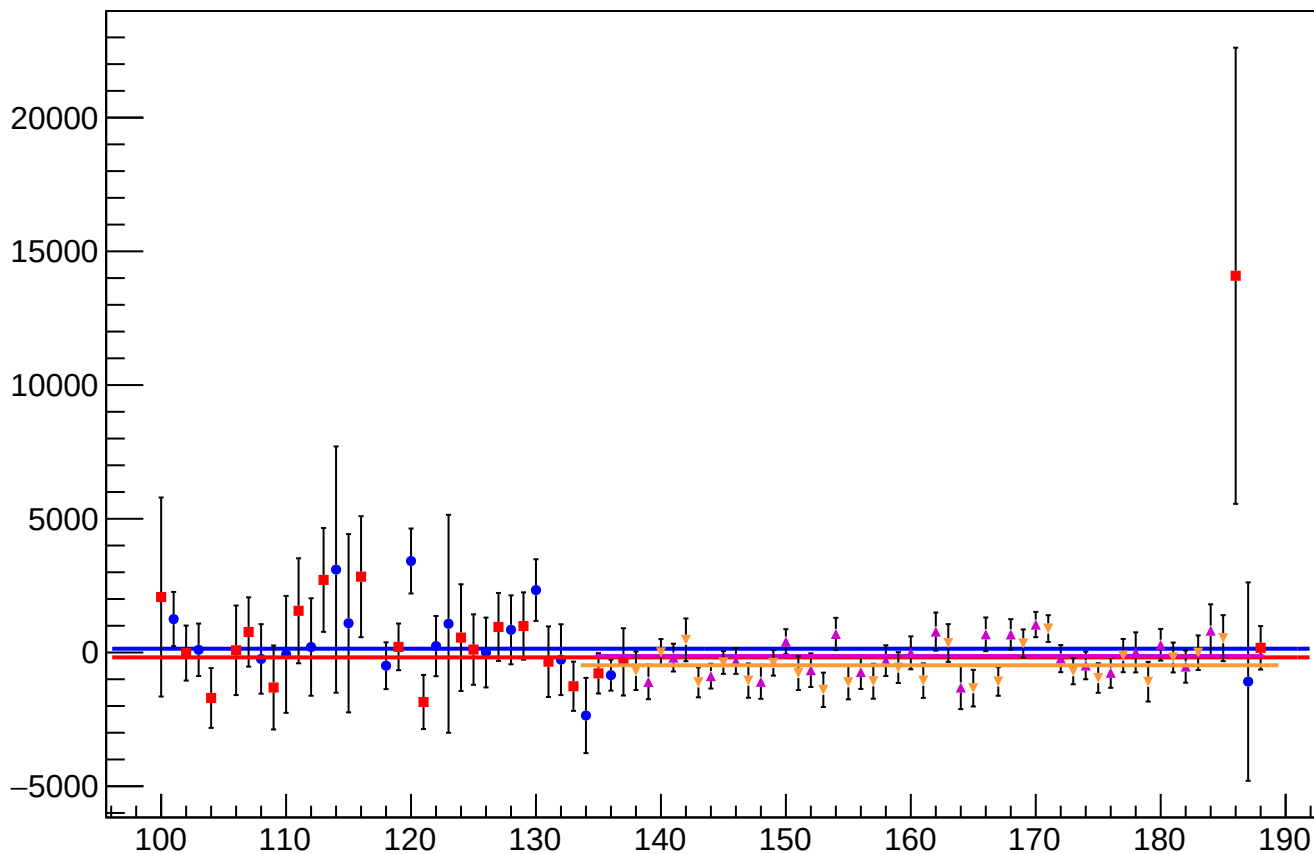
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 522.091 $\pm$ 0.076 χ^2 /NDF: 2677869.7/42

All: 526.308 $\pm$ 0.054 χ^2 /NDF: 6049695.6/86

- sign 530.626 $\pm$ 0.077 χ^2 /NDF: 3365553.0/43

asym_sam_26_48_dd_mean vs Slug



Right In: 141.717 ± 286.887 χ^2/NDF : 19.8/17

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -181.909 ± 267.808 χ^2/NDF : 17.9/20

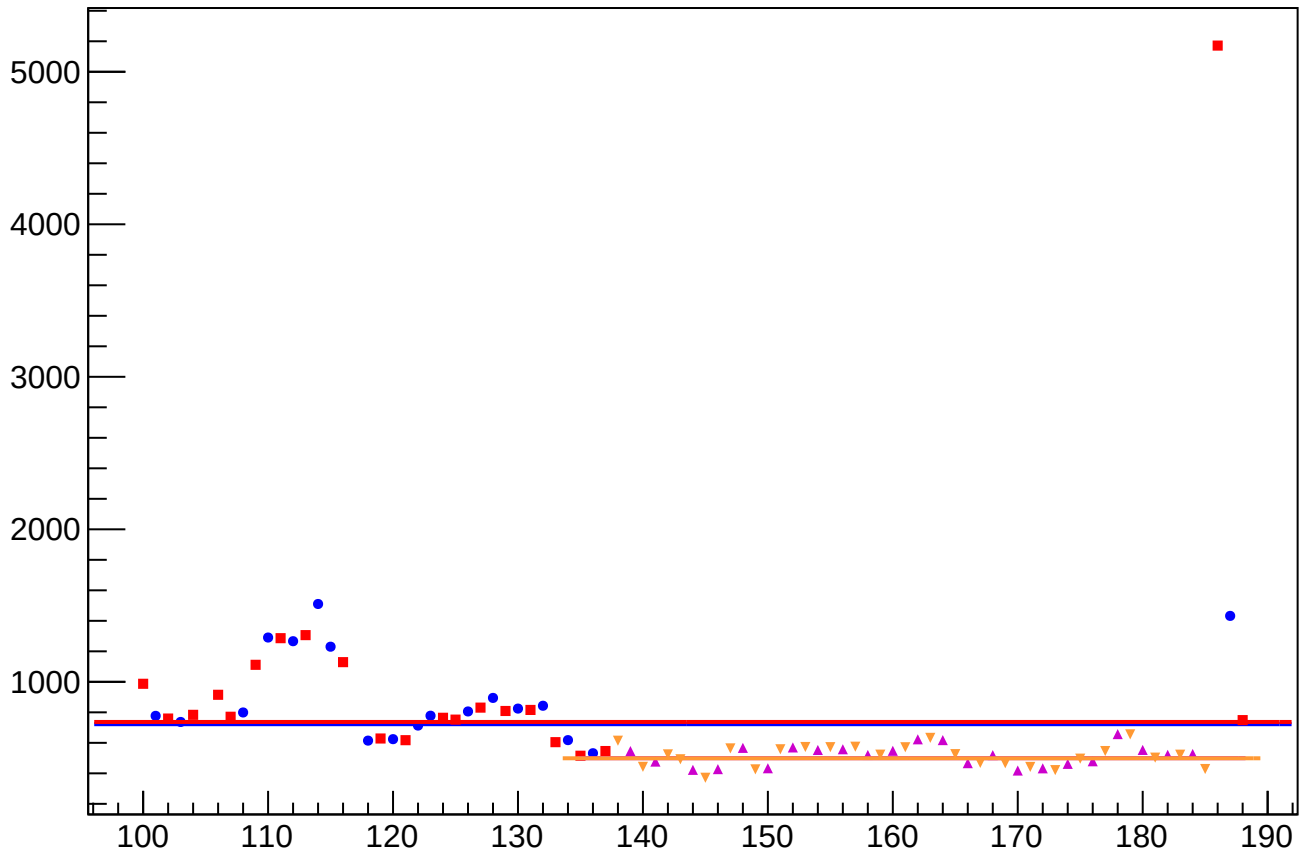
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -388.940 ± 108.860 χ^2/NDF : 51.6/42

All: -266.398 ± 77.433 χ^2/NDF : 101.7/86

- sign -140.897 ± 110.166 χ^2/NDF : 47.5/43

asym_sam_26_48_dd_rms vs Slug



Right In: 722.287 $\pm$ 0.203 χ^2 /NDF: 852203.9/17

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 736.928 $\pm$ 0.189 χ^2 /NDF: 1425931.4/20

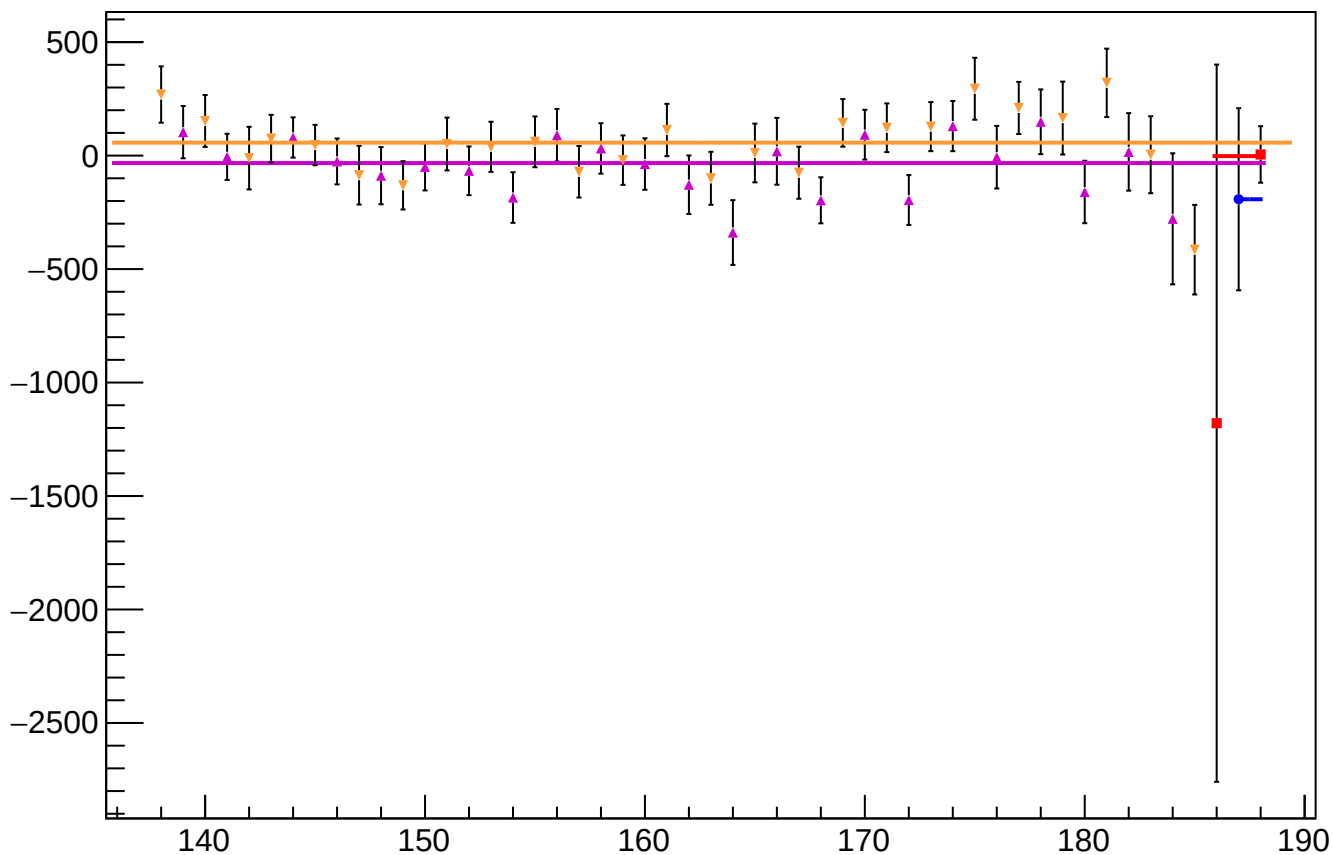
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 530.939 $\pm$ 0.077 χ^2 /NDF: 2625877.7/42

All: 535.212 $\pm$ 0.055 χ^2 /NDF: 5941730.7/86

- sign 539.588 $\pm$ 0.078 χ^2 /NDF: 3309615.5/43

reg_asym_sam_1548_avg_mean vs Slug



Right In: -192.333+/-401.193 χ^2/NDF : 0.0/0

Left Out: 57.211+/-23.714 χ^2/NDF : 29.2/24

Right Out: -2.318+/-124.048 χ^2/NDF : 0.6/1

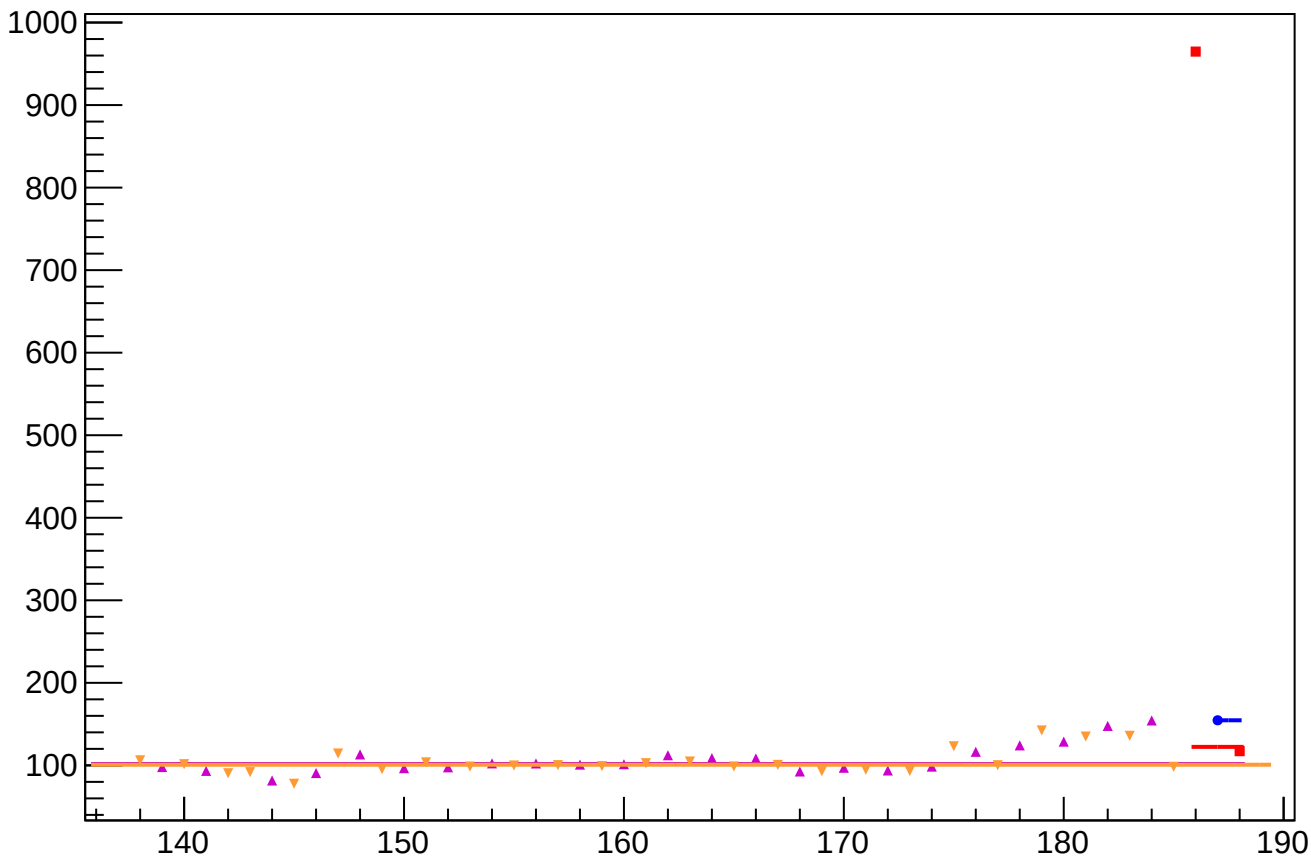
Left In: -32.948+/-24.587 χ^2/NDF : 23.6/22

+ sign 56.342+/-23.672 χ^2/NDF : 29.6/25

All: 13.098+/-16.894 χ^2/NDF : 60.6/50

- sign -31.790+/-24.118 χ^2/NDF : 24.2/24

reg_asym_sam_1548_avg_rms vs Slug



Right In: 154.621 $\pm$ 0.284 χ^2 /NDF: 0.0/0

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF:600502.4/24

Right Out: 122.415 $\pm$ 0.088 χ^2 /NDF: 571920.0/1

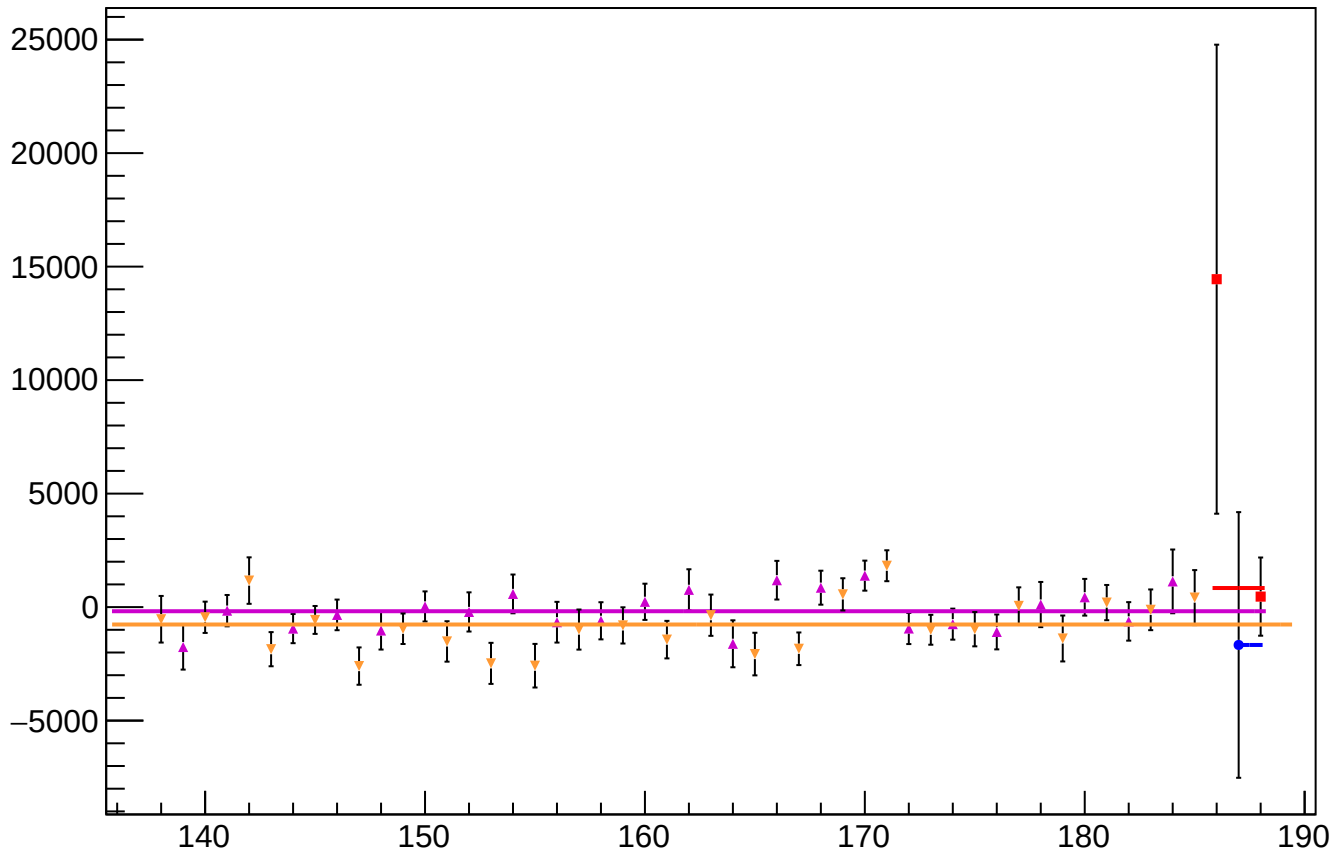
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF:582329.3/22

+ sign 100.988 $\pm$ 0.017 χ^2 /NDF: 636369.8/25

All: 101.685 $\pm$ 0.012 χ^2 /NDF: 1848221.2/50

- sign 102.408 $\pm$ 0.017 χ^2 /NDF: 1208321.0/24

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1667.704 ± 5851.940 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -766.358 ± 161.066 $\chi^2/\text{NDF}: 46.5/24$

Right Out: 840.863 ± 1699.002 $\chi^2/\text{NDF}: 1.8/1$

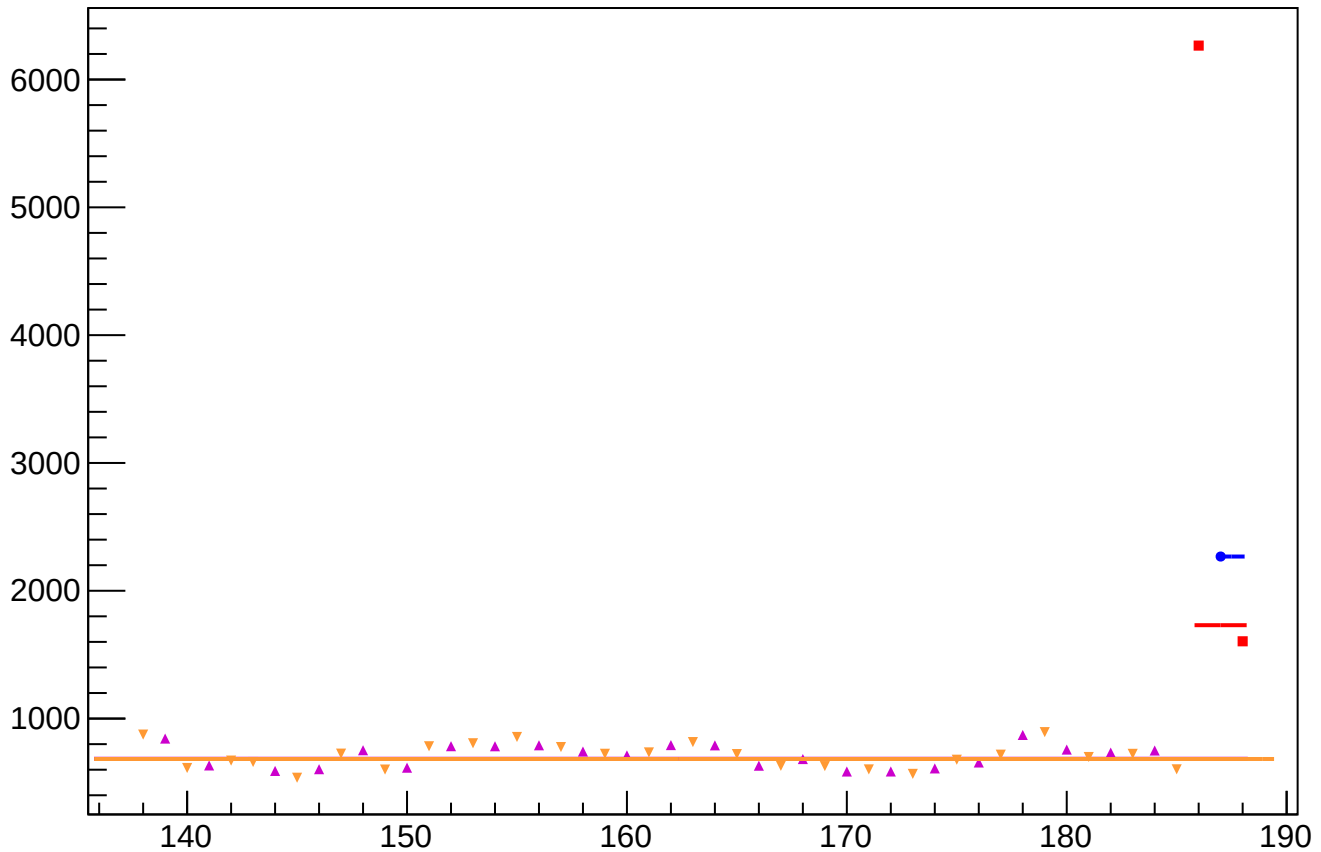
Left In: -181.584 ± 165.671 $\chi^2/\text{NDF}: 25.0/22$

+ sign -767.040 ± 161.005 $\chi^2/\text{NDF}: 46.6/25$

All: -476.587 ± 115.196 $\chi^2/\text{NDF}: 80.4/50$

- sign -171.953 ± 164.889 $\chi^2/\text{NDF}: 27.1/24$

asym_sam_1548_avg_correction_rms vs Slug



Right In: 2267.876 $\pm$ 4.138 χ^2 /NDF: 0.0/0

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1730.712 $\pm$ 1.201 χ^2 /NDF: 396004.6/1

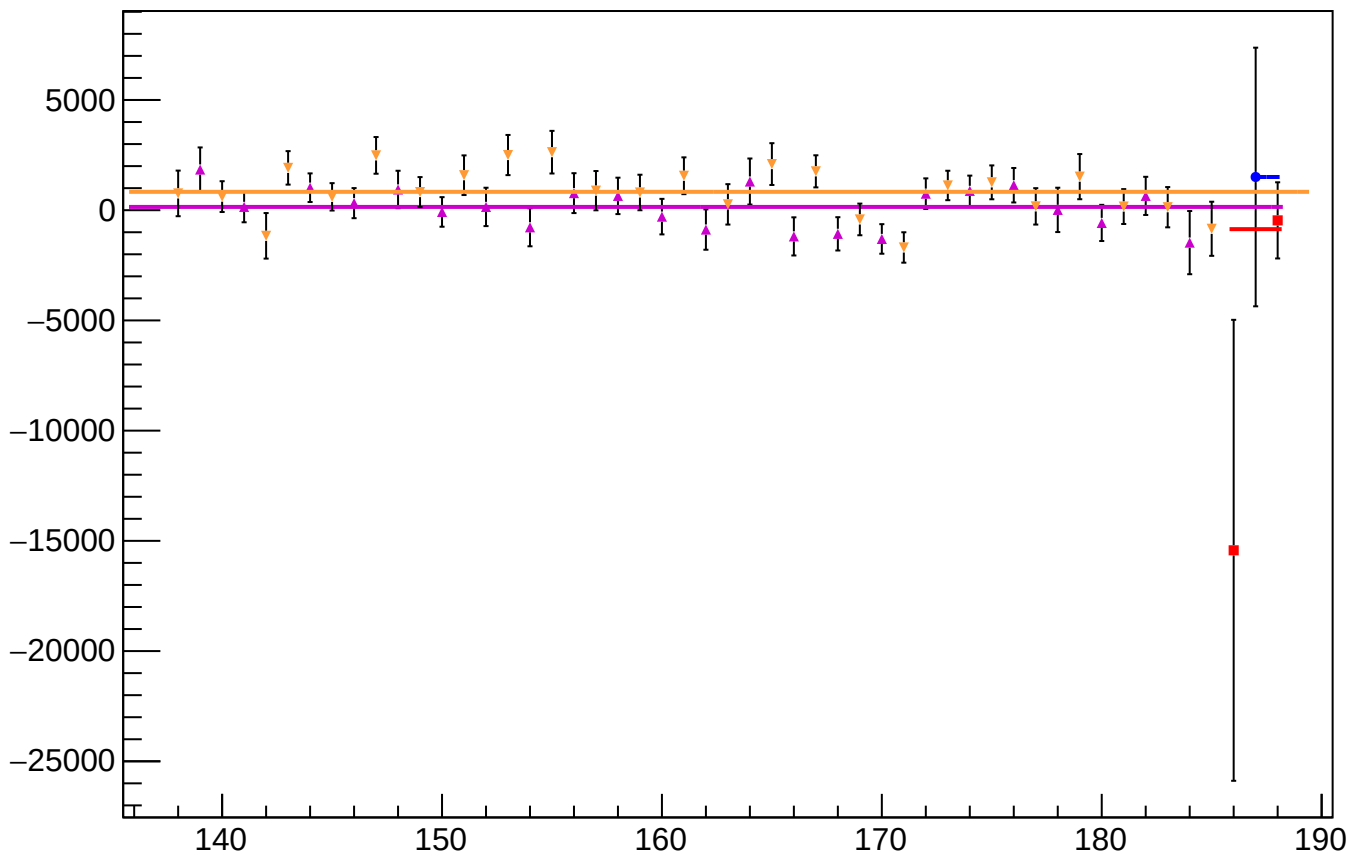
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 685.083 $\pm$ 0.114 χ^2 /NDF: 813580.5/25

All: 690.137 $\pm$ 0.081 χ^2 /NDF: 2492634.7/50

- sign 695.437 $\pm$ 0.117 χ^2 /NDF: 1675017.9/24

asym_sam_1548_avg_mean vs Slug



Right In: 1506.366 $\pm$ 5866.523 χ^2 /NDF: 0.0/0

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF:43.2/24

Right Out: -859.557 $\pm$ 1704.448 χ^2 /NDF: 2.0/1

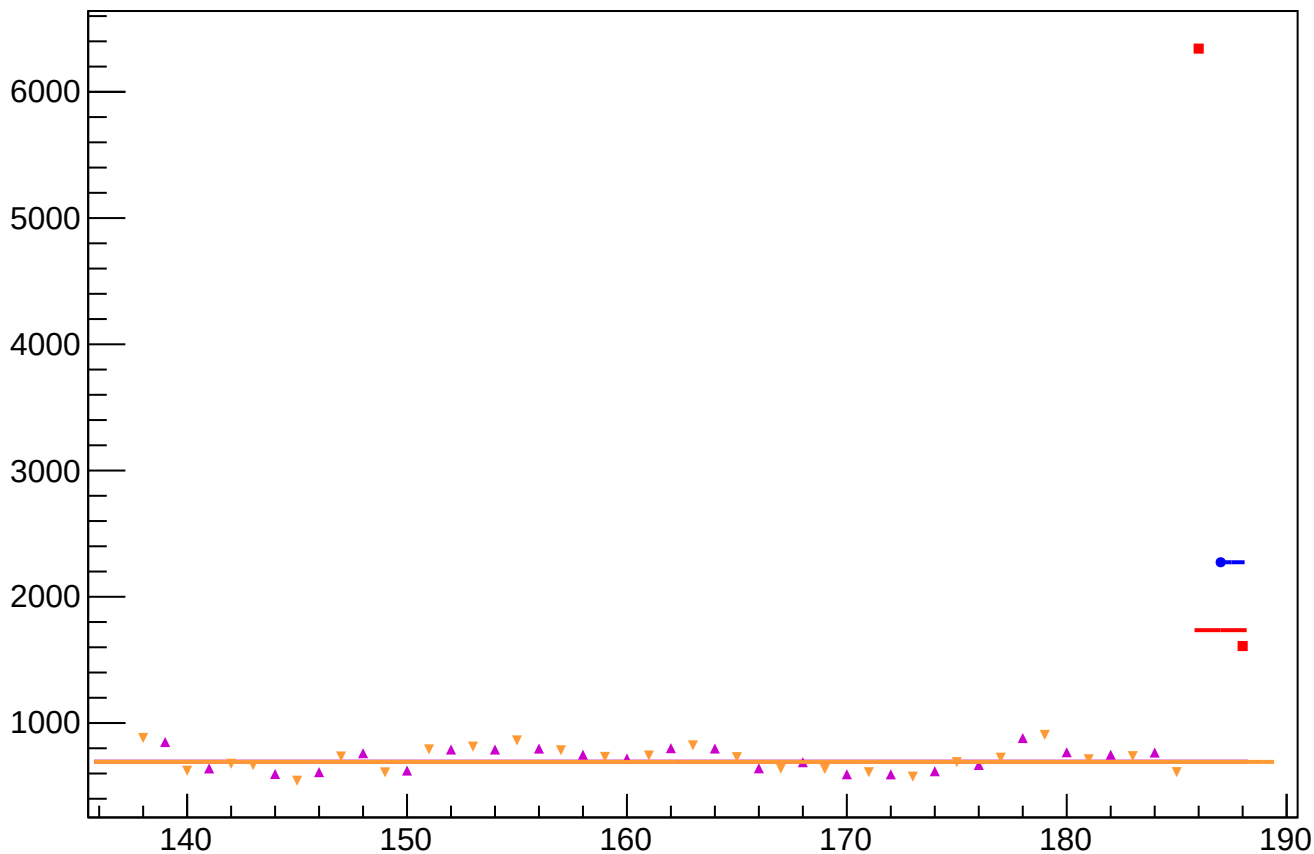
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF:26.0/22

+ sign 833.914 $\pm$ 162.902 χ^2 /NDF: 43.2/25

All: 494.827 $\pm$ 116.556 χ^2 /NDF: 80.5/50

- sign 139.152 $\pm$ 166.839 χ^2 /NDF: 28.4/24

asym_sam_1548_avg_rms vs Slug



Right In: 2273.510 $\pm$ 4.148 χ^2 /NDF: 0.0/0

Left Out: 692.097 $\pm$ 0.115 χ^2 /NDF: 657259.6/24

Right Out: 1735.456 $\pm$ 1.205 χ^2 /NDF: 398901.0/1

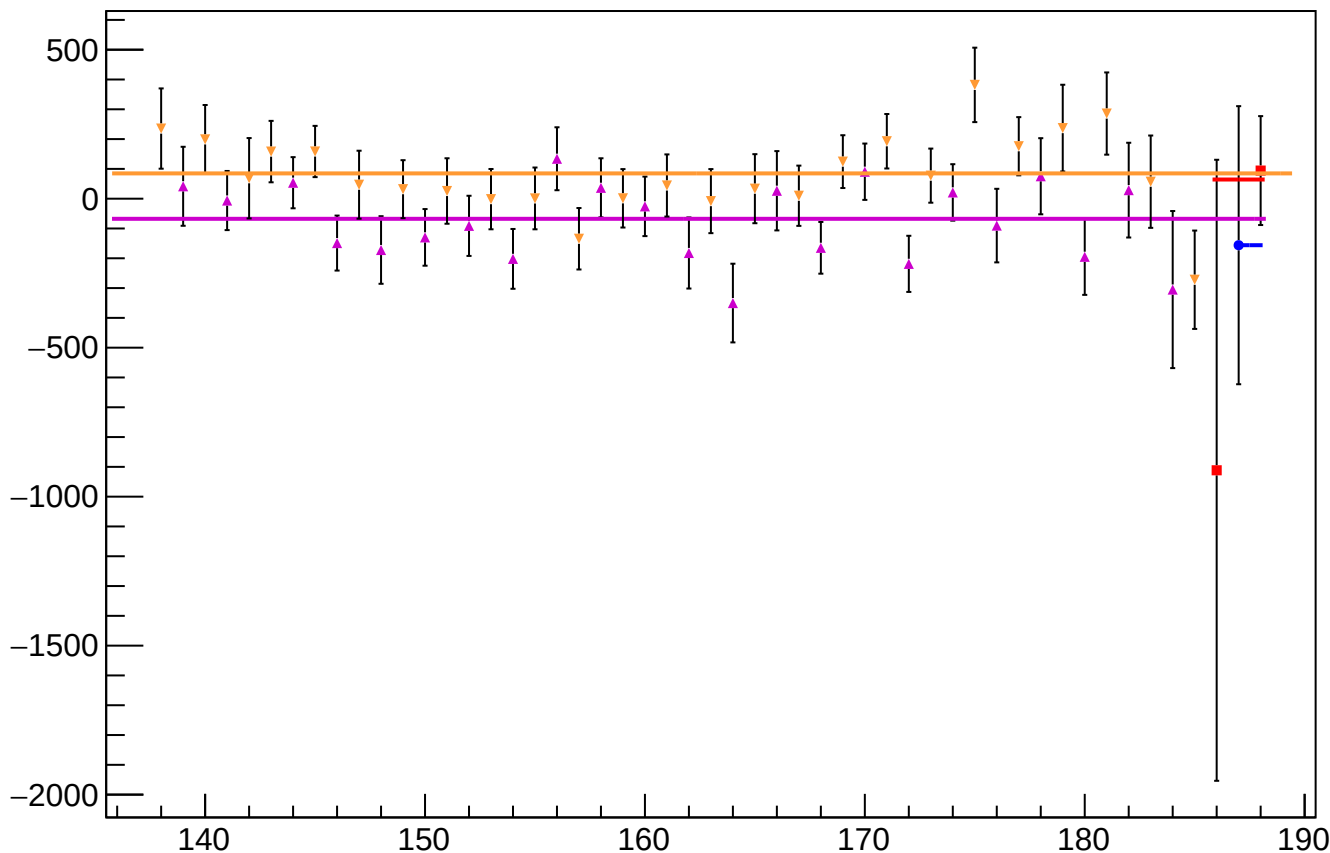
Left In: 693.867 $\pm$ 0.119 χ^2 /NDF: 522053.5/22

+ sign 693.316 $\pm$ 0.115 χ^2 /NDF: 802478.9/25

All: 698.456 $\pm$ 0.082 χ^2 /NDF: 2467244.5/50

- sign 703.847 $\pm$ 0.118 χ^2 /NDF: 1660686.4/24

reg_asym_sam_3748_avg_mean vs Slug



Right In: -156.105 ± 466.644 χ^2/NDF : 0.0/0

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 64.322 ± 180.011 χ^2/NDF : 0.9/1

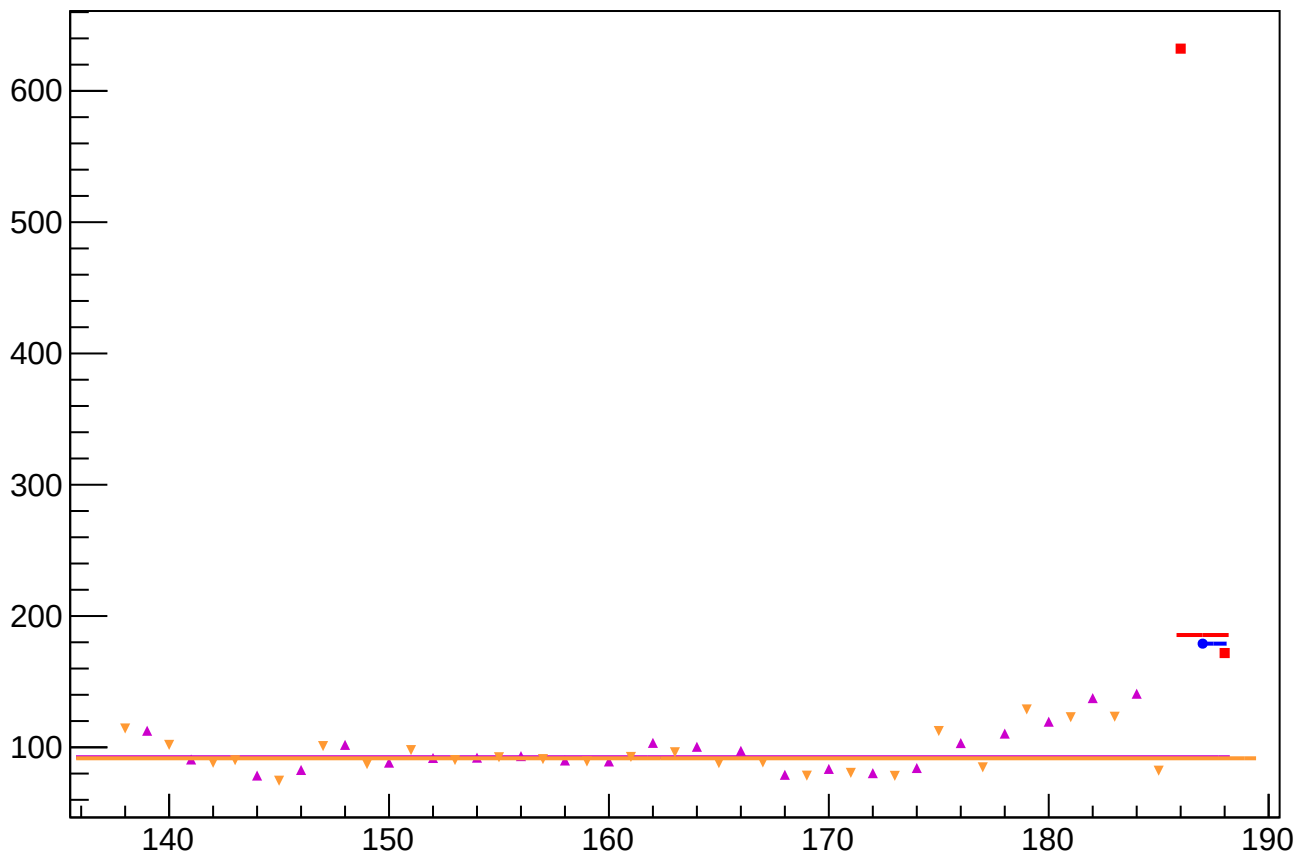
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 84.342 ± 21.620 χ^2/NDF : 28.8/25

All: 11.648 ± 15.514 χ^2/NDF : 82.4/50

- sign -65.533 ± 22.277 χ^2/NDF : 30.3/24

reg_asym_sam_3748_avg_rms vs Slug



Right In: 178.963 $\pm$ 0.330 χ^2 /NDF: 0.0/0

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 185.539 $\pm$ 0.127 χ^2 /NDF: 378714.5/1

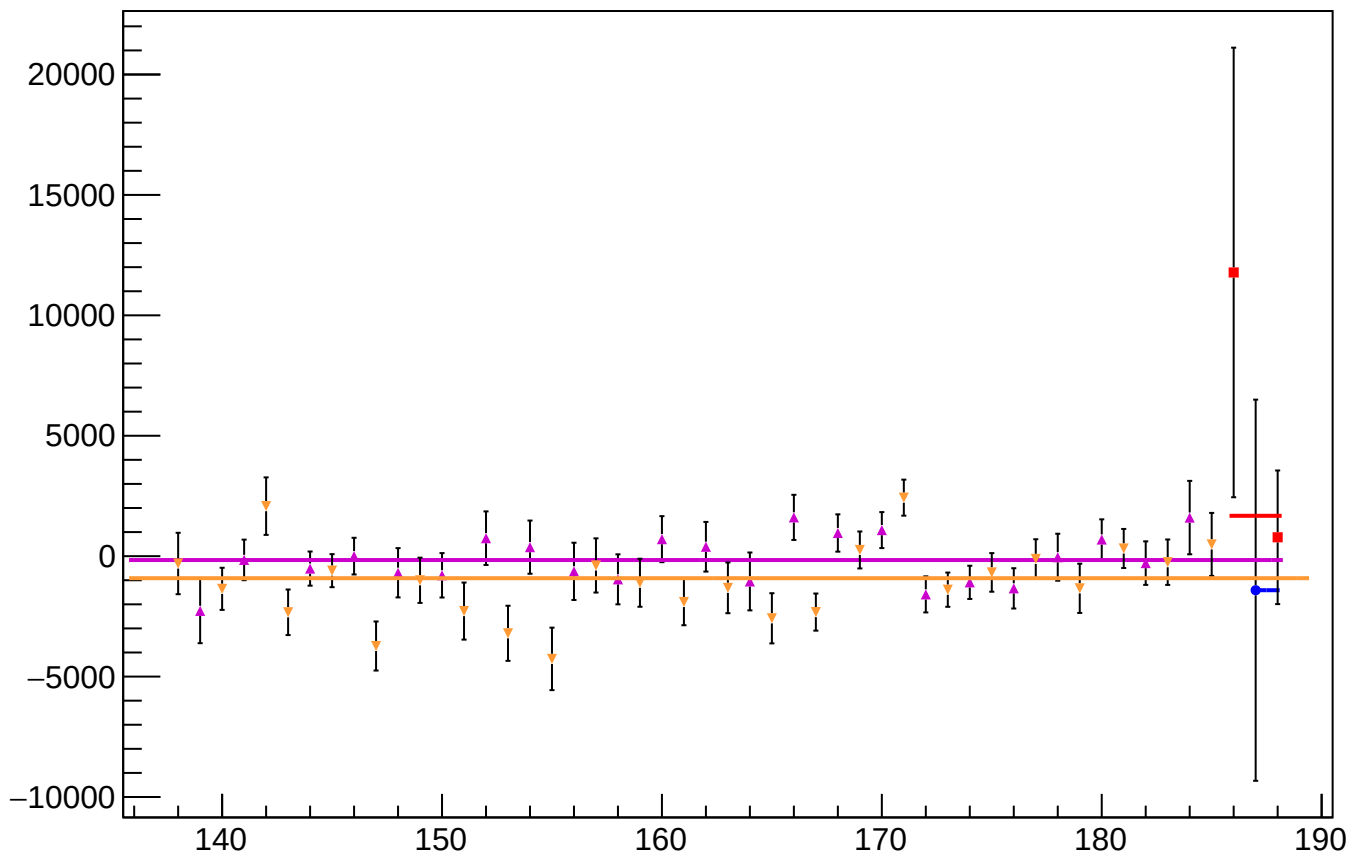
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 91.820 $\pm$ 0.015 χ^2 /NDF: 763017.9/25

All: 92.825 $\pm$ 0.011 χ^2 /NDF: 2332812.9/50

- sign 93.891 $\pm$ 0.016 χ^2 /NDF: 1560892.4/24

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1413.862 ± 7913.482 χ^2/NDF : 0.0/0

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: 1676.198 ± 2659.158 χ^2/NDF : 1.3/1

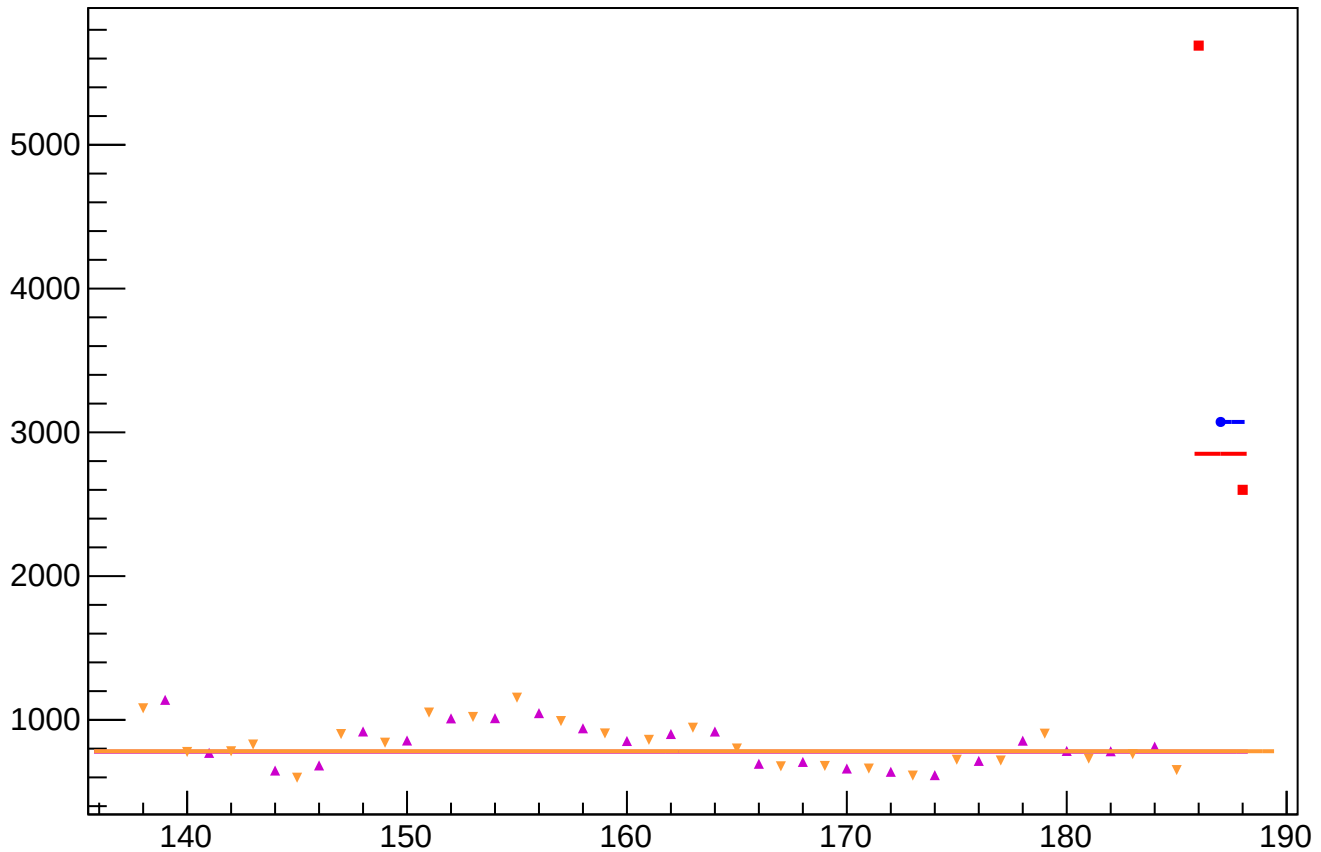
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -914.993 ± 185.290 χ^2/NDF : 64.2/25

All: -540.980 ± 132.316 χ^2/NDF : 99.3/50

- sign -151.794 ± 189.011 χ^2/NDF : 26.8/24

asym_sam_3748_avg_correction_rms vs Slug



Right In: 3072.444 $\pm$ 5.596 χ^2 /NDF: 0.0/0

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2850.957 $\pm$ 1.880 χ^2 /NDF: 201371.7/1

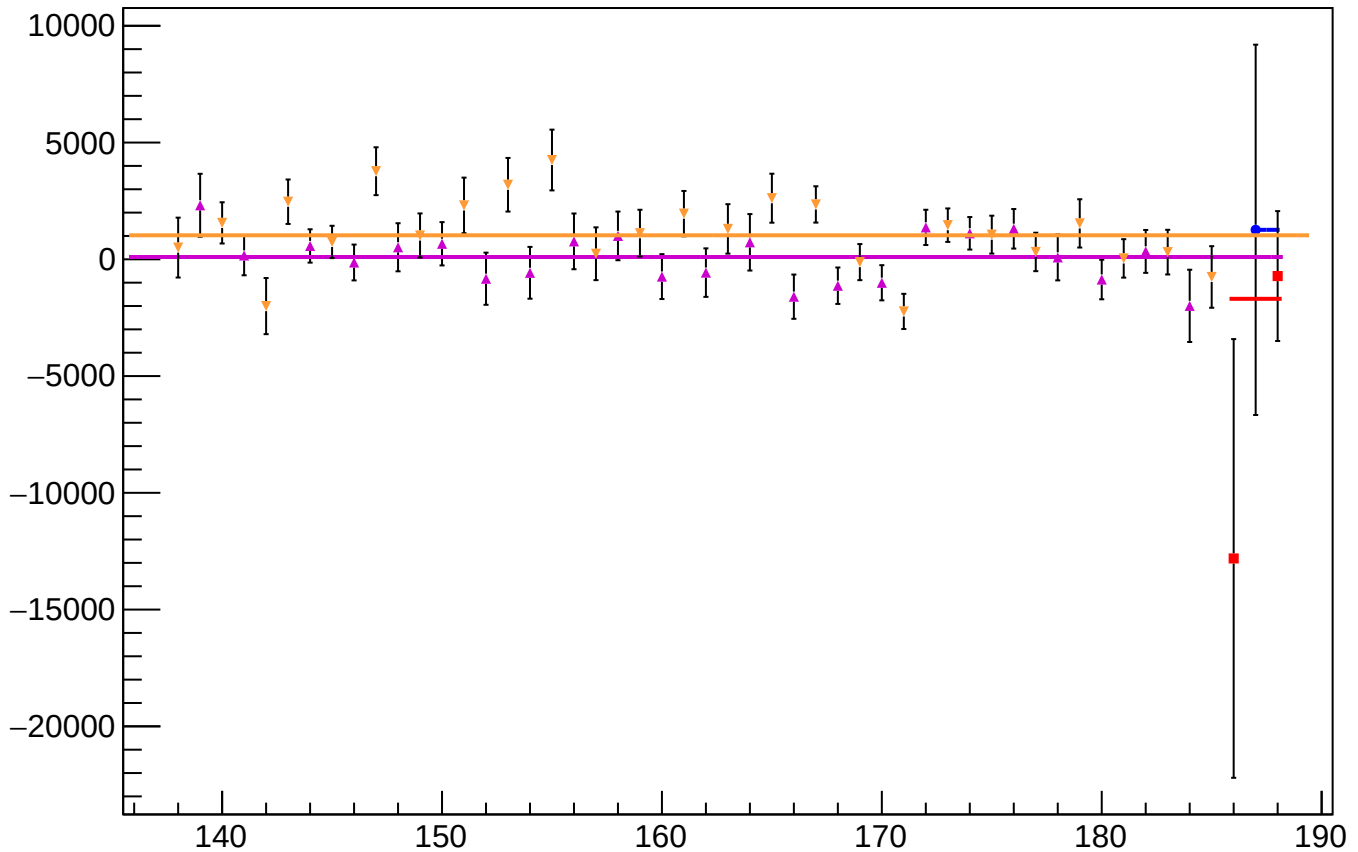
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 783.298 $\pm$ 0.131 χ^2 /NDF: 1298432.4/25

All: 786.319 $\pm$ 0.094 χ^2 /NDF: 3689239.7/50

- sign 789.463 $\pm$ 0.134 χ^2 /NDF: 2389722.2/24

asym_sam_3748_avg_mean vs Slug



Right In: 1262.741 $\pm$ 7929.221 χ^2 /NDF: 0.0/0

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF:60.2/24

Right Out: -1691.647 $\pm$ 2666.559 χ^2 /NDF: 1.5/1

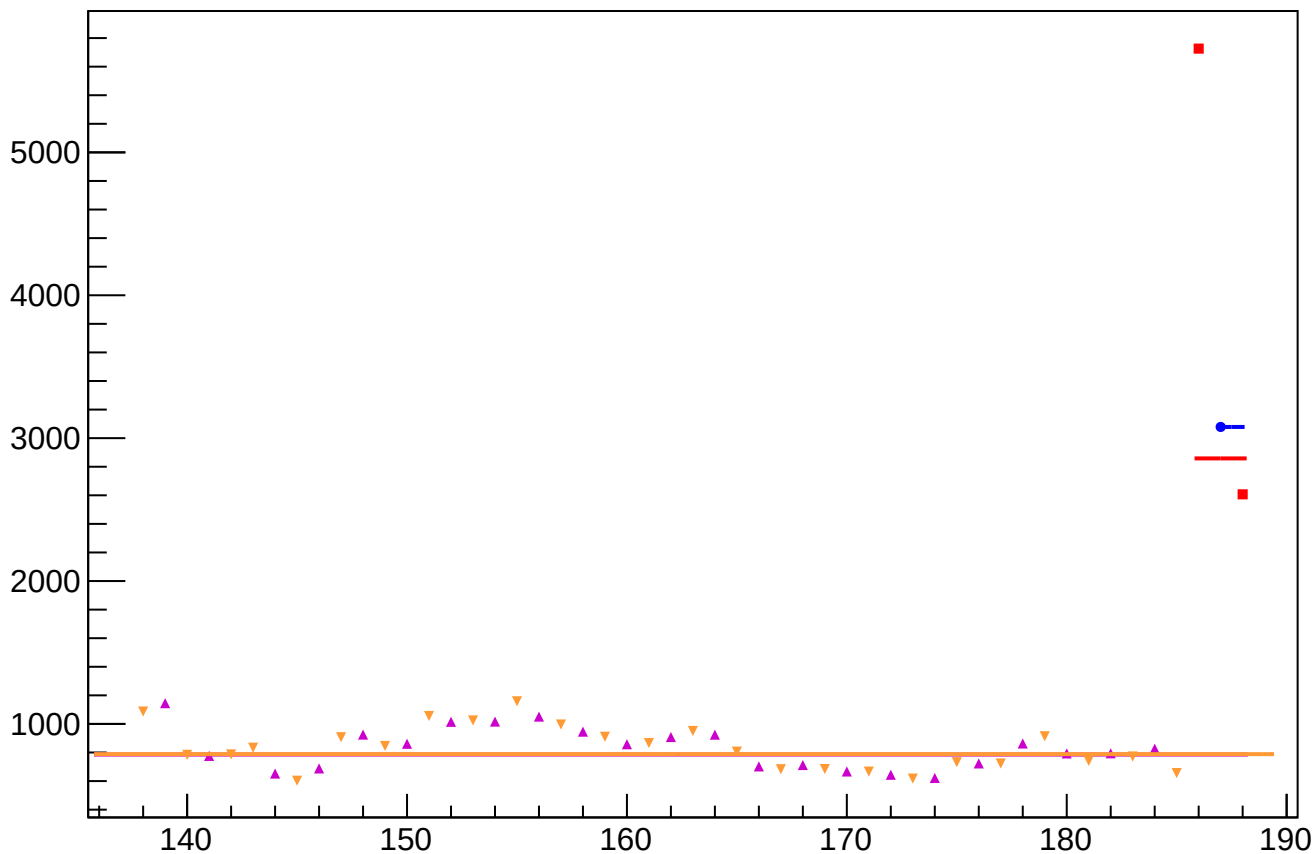
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF:25.4/22

+ sign 1028.994 $\pm$ 186.758 χ^2 /NDF: 60.2/25

All: 568.683 $\pm$ 133.375 χ^2 /NDF: 99.9/50

- sign 89.550 $\pm$ 190.539 χ^2 /NDF: 27.4/24

asym_sam_3748_avg_rms vs Slug



Right In: 3078.464+/-5.607 χ^2/NDF : 0.0/0

Left Out: 788.442+/-0.132 χ^2/NDF :1113741.6/24

Right Out: 2858.196+/-1.886 χ^2/NDF : 202769.9/1

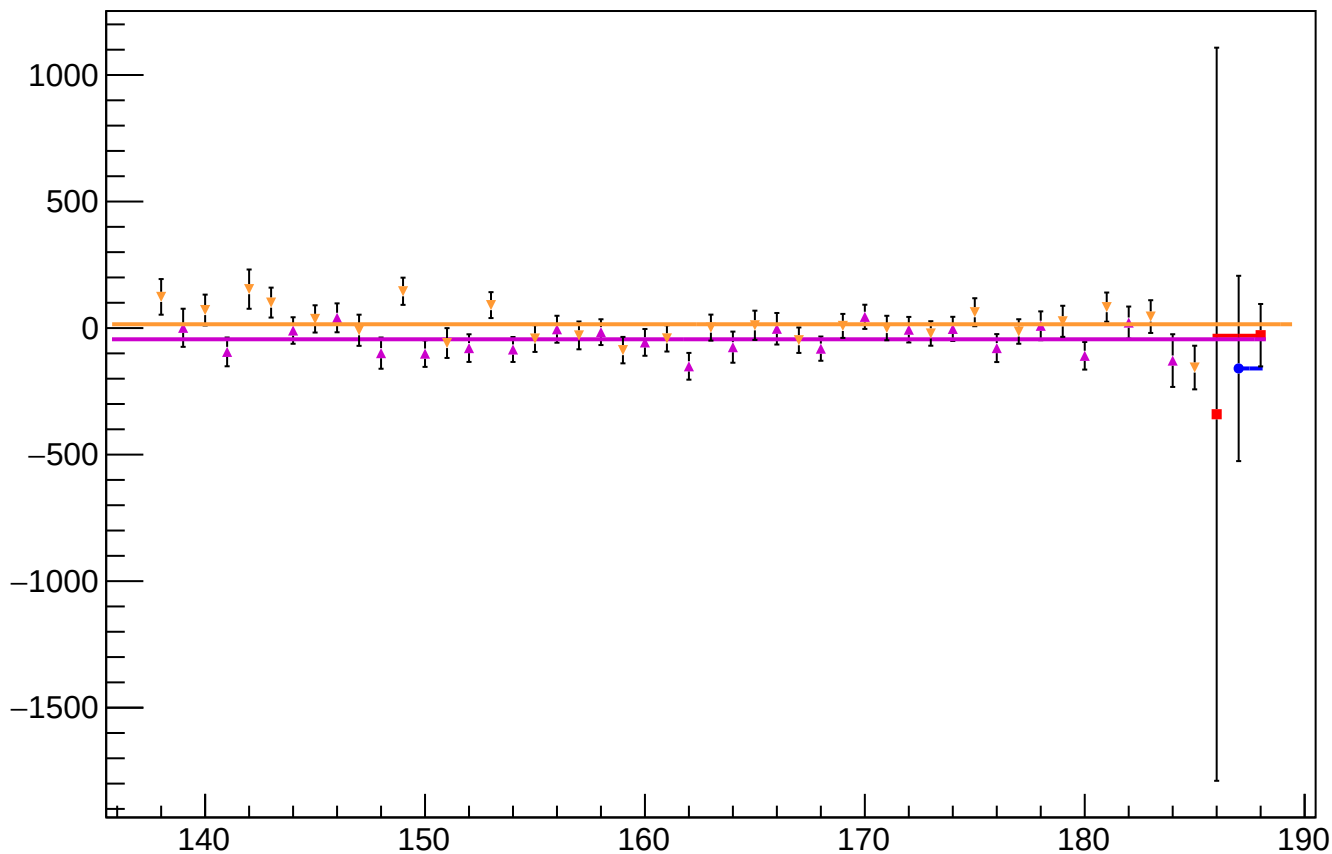
Left In: 785.490+/-0.135 χ^2/NDF :965338.9/22

+ sign 789.712+/-0.132 χ^2/NDF : 1280469.2/25

All: 792.829+/-0.094 χ^2/NDF : 3651922.7/50

- sign 796.073+/-0.135 χ^2/NDF : 2370316.7/24

reg_asym_sam_1526_avg_mean vs Slug



Right In: -159.537 ± 366.124 χ^2/NDF : 0.0/0

Left Out: 15.099 ± 11.154 χ^2/NDF : 34.2/24

Right Out: -30.360 ± 122.858 χ^2/NDF : 0.0/1

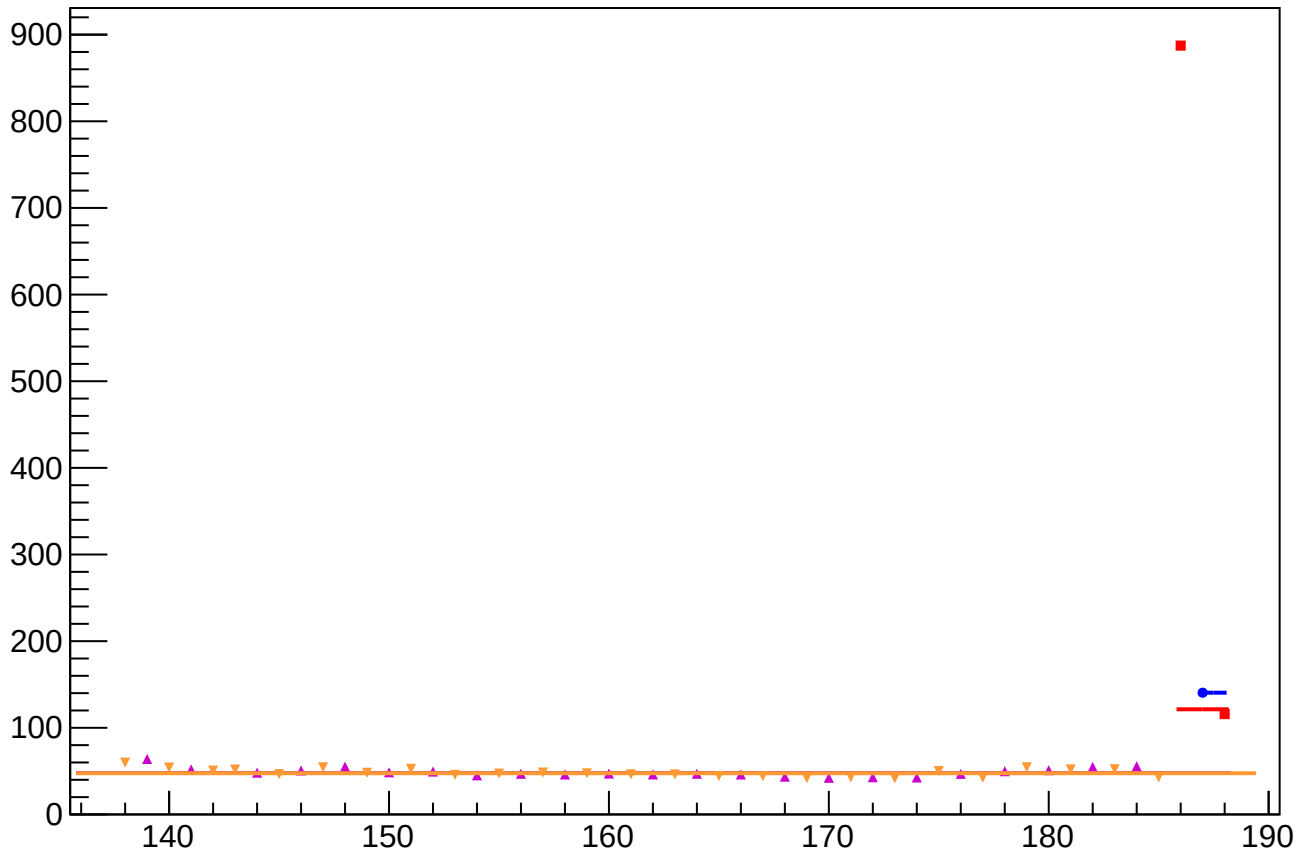
Left In: -44.297 ± 11.530 χ^2/NDF : 22.3/22

+ sign 14.937 ± 11.149 χ^2/NDF : 34.4/25

All: -13.757 ± 7.998 χ^2/NDF : 70.4/50

- sign -44.176 ± 11.479 χ^2/NDF : 22.3/24

reg_asym_sam_1526_avg_rms vs Slug



Right In: 140.515 $\pm$ 0.259 χ^2 /NDF: 0.0/0

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 121.365 $\pm$ 0.087 χ^2 /NDF: 563398.3/1

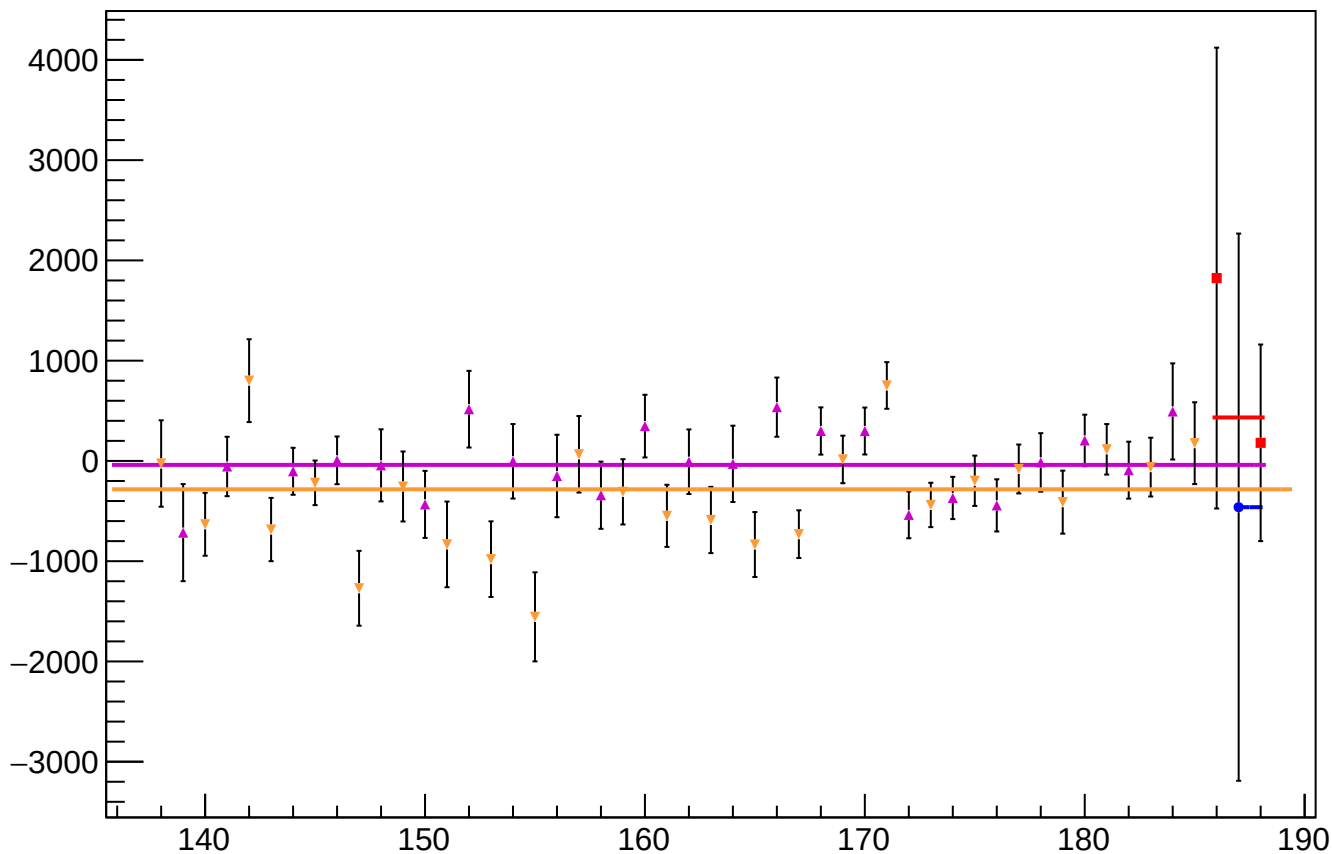
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 47.672 $\pm$ 0.008 χ^2 /NDF: 441601.3/25

All: 48.068 $\pm$ 0.006 χ^2 /NDF: 2001912.1/50

- sign 48.488 $\pm$ 0.008 χ^2 /NDF: 1555116.7/24

asym_sam_1526_avg_correction_mean vs Slug



Right In: -461.310+/-2729.116 χ^2/NDF : 0.0/0

Left Out: -282.798+/-59.690 χ^2/NDF : 66.5/24

Right Out: 433.624+/-901.865 χ^2/NDF : 0.4/1

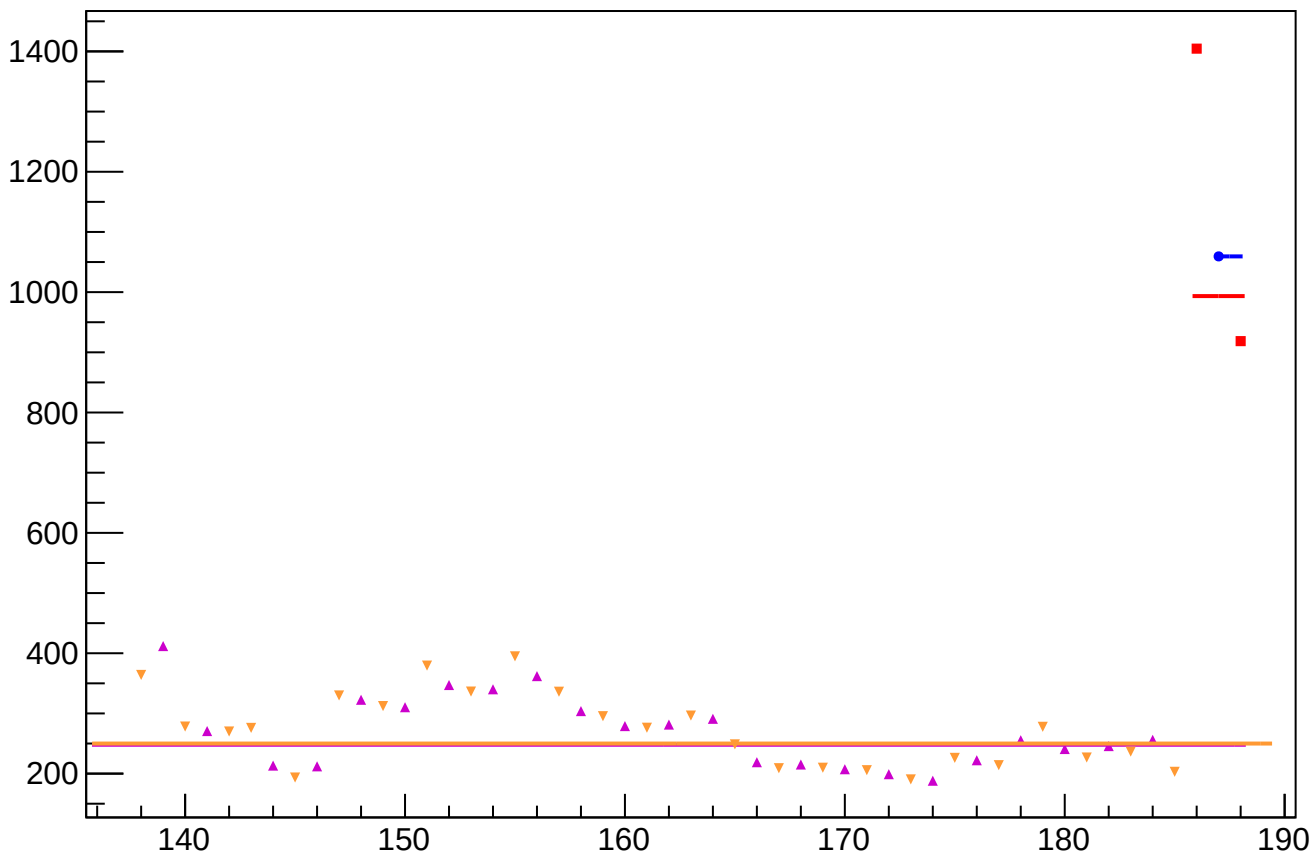
Left In: -39.432+/-60.759 χ^2/NDF : 27.5/22

+ sign -282.884+/-59.676 χ^2/NDF : 66.5/25

All: -162.020+/-42.527 χ^2/NDF : 103.1/50

- sign -37.294+/-60.621 χ^2/NDF : 28.3/24

asym_sam_1526_avg_correction_rms vs Slug



Right In: 1059.391 $\pm$ 1.930 χ^2 /NDF: 0.0/0

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF:1614205.9/24

Right Out: 993.429 $\pm$ 0.638 χ^2 /NDF: 75654.7/1

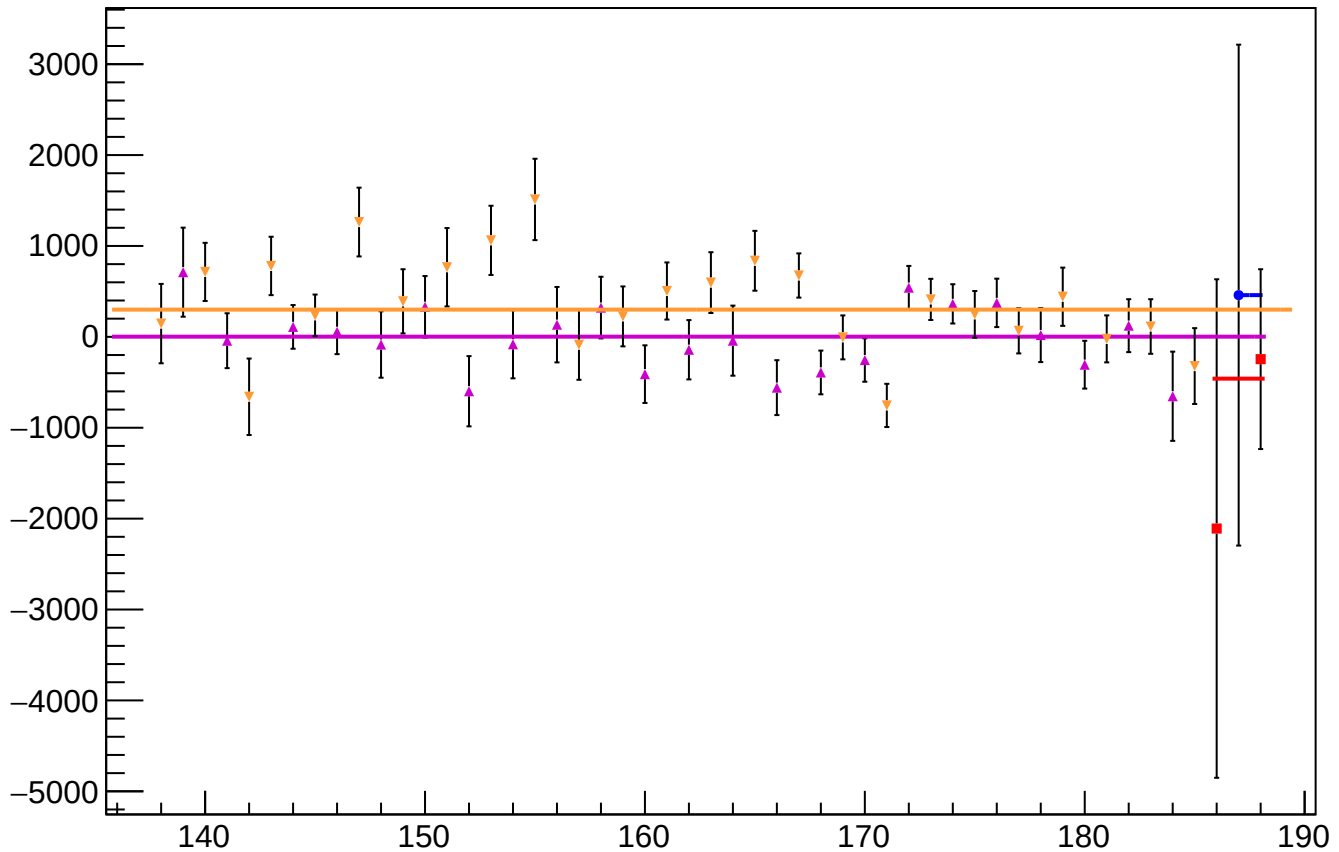
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF:1410847.5/22

+ sign 250.343 $\pm$ 0.042 χ^2 /NDF: 1790055.8/25

All: 250.807 $\pm$ 0.030 χ^2 /NDF: 4637273.5/50

- sign 251.285 $\pm$ 0.043 χ^2 /NDF: 2846972.5/24

asym_sam_1526_avg_mean vs Slug



Right In: 459.027 ± 2755.597 χ^2/NDF : 0.0/0

Left Out: 299.562 ± 60.860 χ^2/NDF : 62.5/24

Right Out: -459.865 ± 930.597 χ^2/NDF : 0.4/1

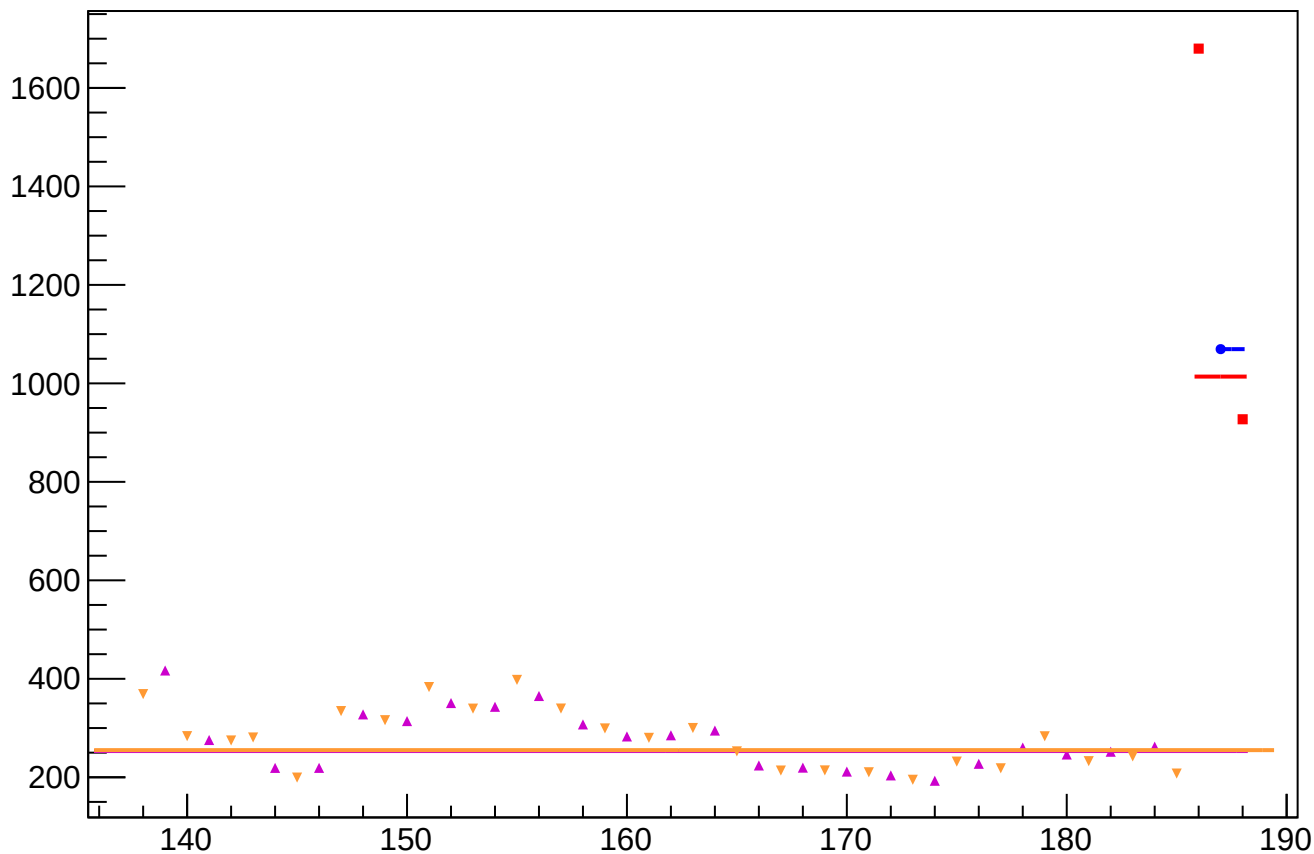
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 299.640 ± 60.845 χ^2/NDF : 62.5/25

All: 152.388 ± 43.381 χ^2/NDF : 104.2/50

- sign 0.143 ± 61.868 χ^2/NDF : 29.8/24

asym_sam_1526_avg_rms vs Slug



Right In: 1069.513 $\pm$ 1.949 χ^2 /NDF: 0.0/0

Left Out: 255.135 $\pm$ 0.043 χ^2 /NDF: 1542039.5/24

Right Out: 1013.781 $\pm$ 0.658 χ^2 /NDF: 133327.5/1

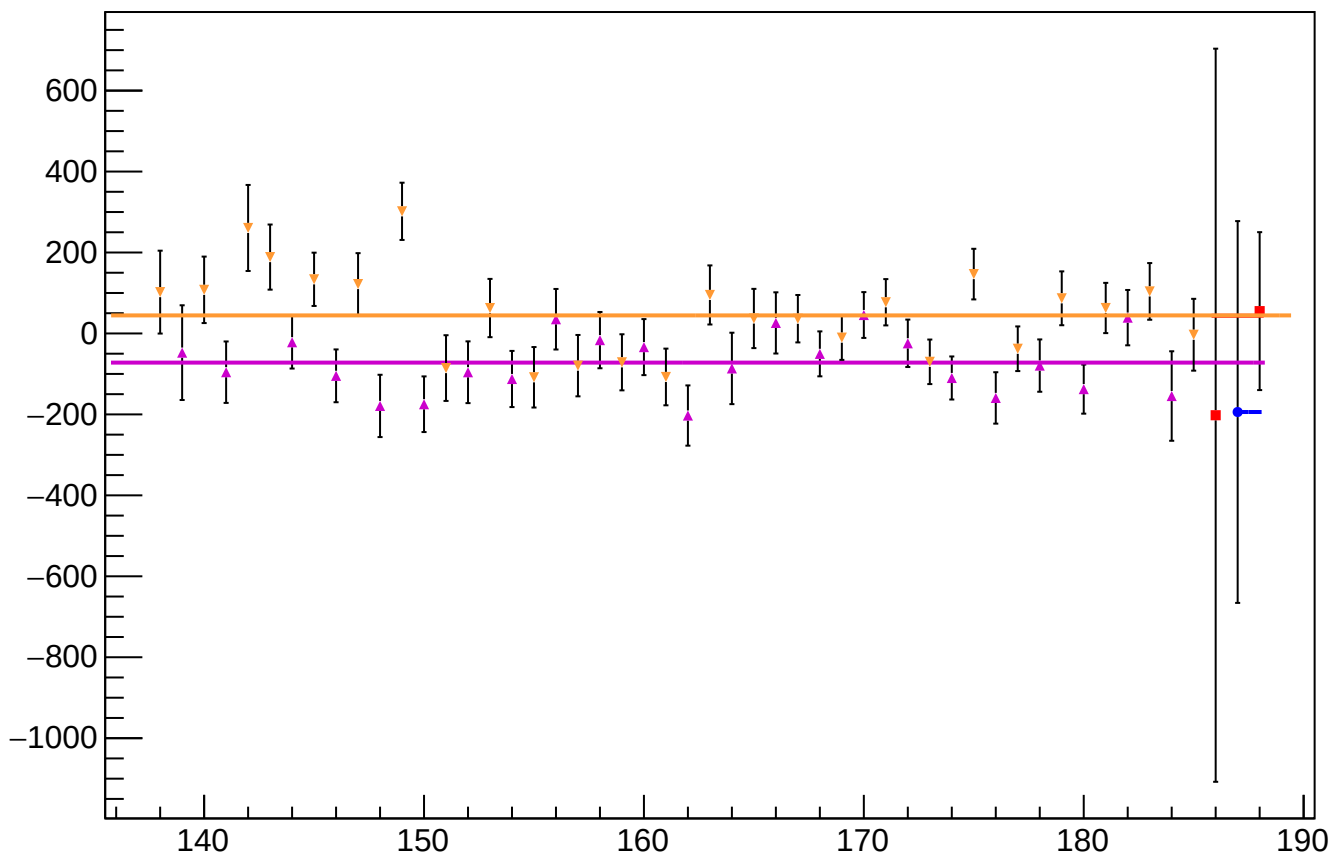
Left In: 253.287 $\pm$ 0.044 χ^2 /NDF: 1341662.3/22

+ sign 255.532 $\pm$ 0.043 χ^2 /NDF: 1716637.2/25

All: 256.081 $\pm$ 0.031 χ^2 /NDF: 4521718.6/50

- sign 256.649 $\pm$ 0.044 χ^2 /NDF: 2804750.5/24

reg_asym_sam_3726_avg_mean vs Slug



Right In: -194.089+/-471.665 χ^2 /NDF: 0.0/0

Left Out: 44.602+/-13.824 χ^2 /NDF: 53.9/24

Right Out: 43.769+/-190.716 χ^2 /NDF: 0.1/1

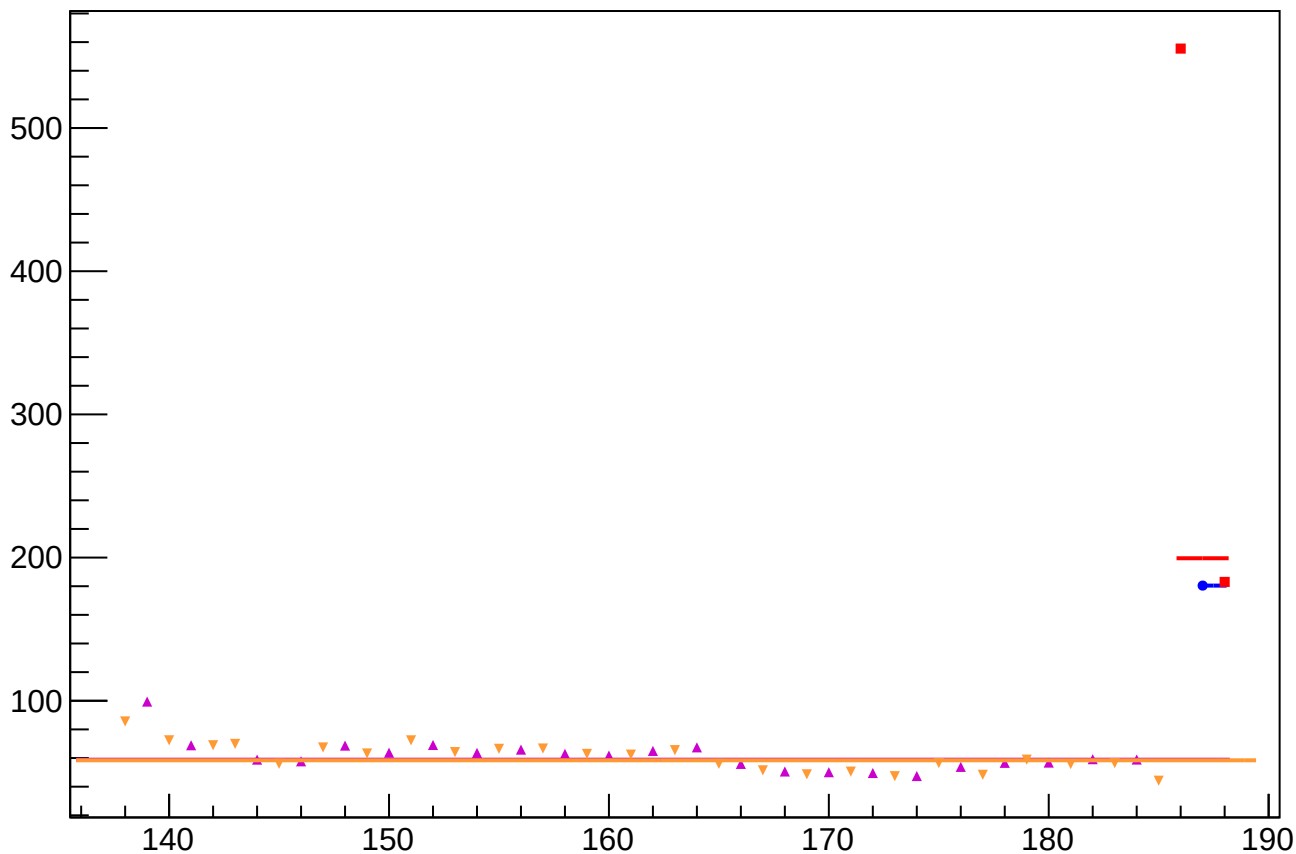
Left In: -72.037+/-14.296 χ^2 /NDF: 25.3/22

+ sign 44.397+/-13.818 χ^2 /NDF: 54.2/25

All: -11.690+/-9.922 χ^2 /NDF: 113.9/50

- sign -71.390+/-14.256 χ^2 /NDF: 25.7/24

reg_asym_sam_3726_avg_rms vs Slug



Right In: 180.436 $\pm$ 0.334 χ^2 /NDF: 0.0/0

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 199.529 $\pm$ 0.135 χ^2 /NDF: 323270.5/1

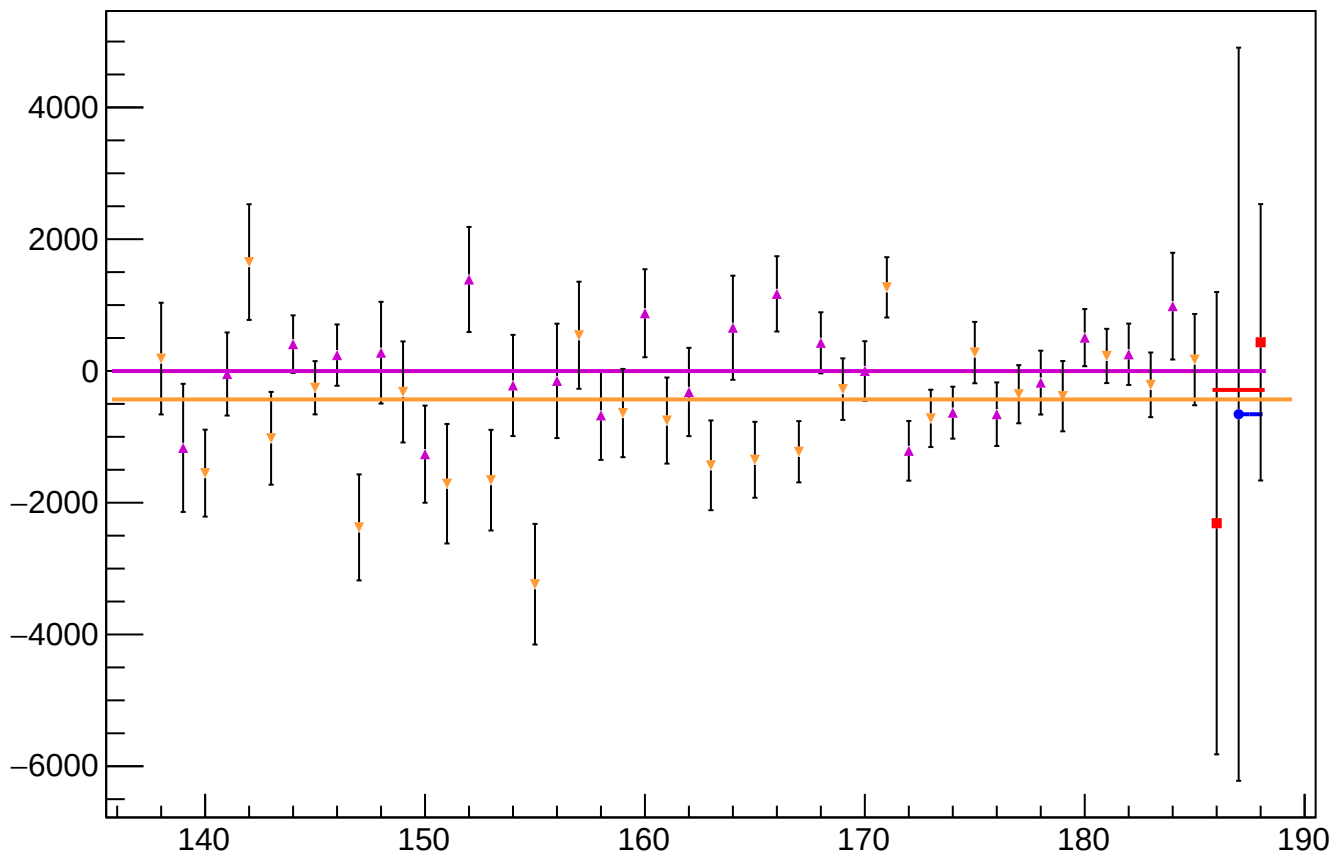
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 58.528 $\pm$ 0.010 χ^2 /NDF: 923812.4/25

All: 59.060 $\pm$ 0.007 χ^2 /NDF: 3015416.3/50

- sign 59.626 $\pm$ 0.010 χ^2 /NDF: 2085483.2/24

asym_sam_3726_avg_correction_mean vs Slug



Right In: -657.066+/-5564.087 χ^2/NDF : 0.0/0

Left Out: -432.330+/-114.408 χ^2/NDF : 59.4/24

Right Out: -288.063+/-1800.547 χ^2/NDF : 0.5/1

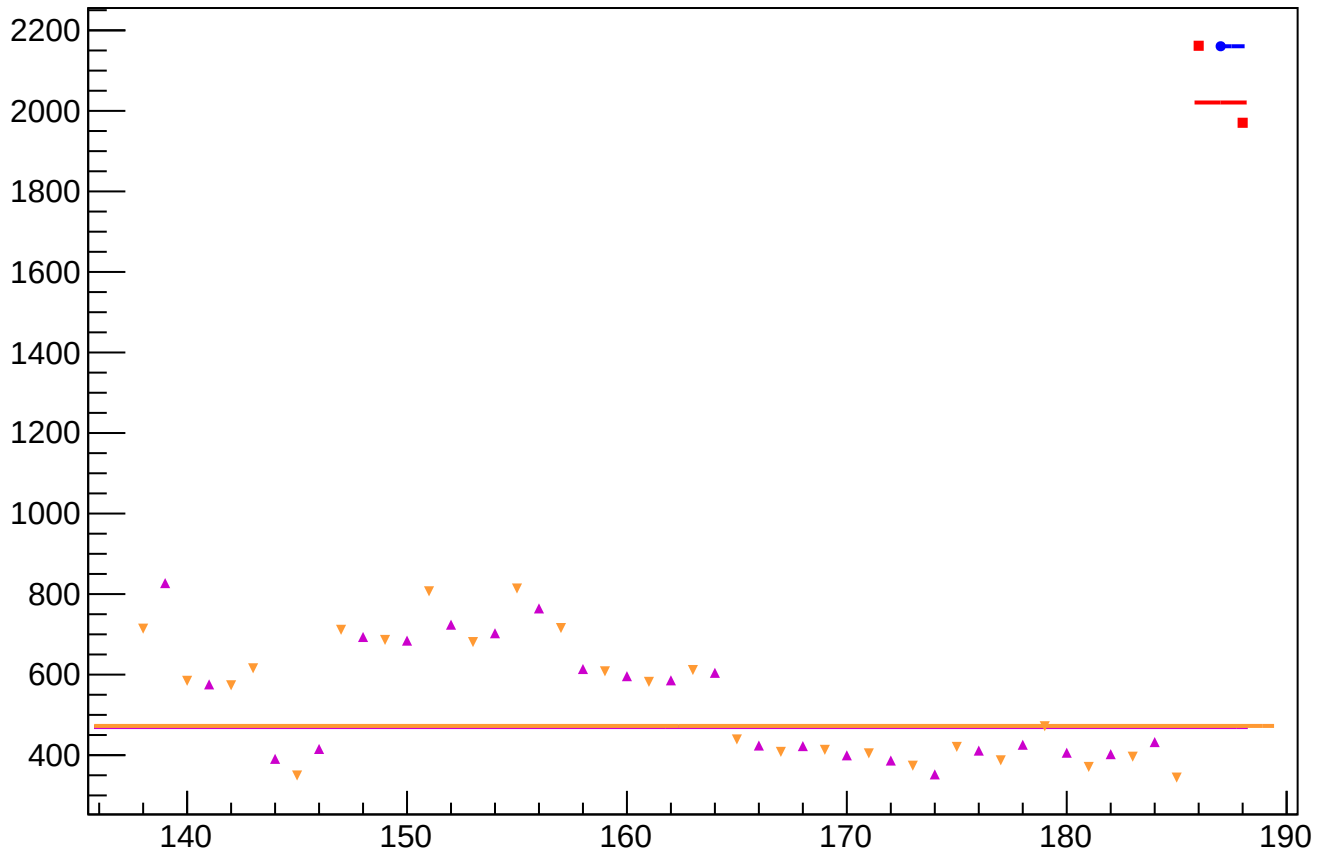
Left In: -1.825+/-116.459 χ^2/NDF : 32.3/22

+ sign -432.425+/-114.384 χ^2/NDF : 59.4/25

All: -221.133+/-81.522 χ^2/NDF : 99.1/50

- sign -3.018+/-116.216 χ^2/NDF : 32.8/24

asym_sam_3726_avg_correction_rms vs Slug



Right In: 2160.492 $\pm$ 3.934 χ^2 /NDF: 0.0/0

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF:2508168.9/24

Right Out: 2020.822 $\pm$ 1.273 χ^2 /NDF: 4376.0/1

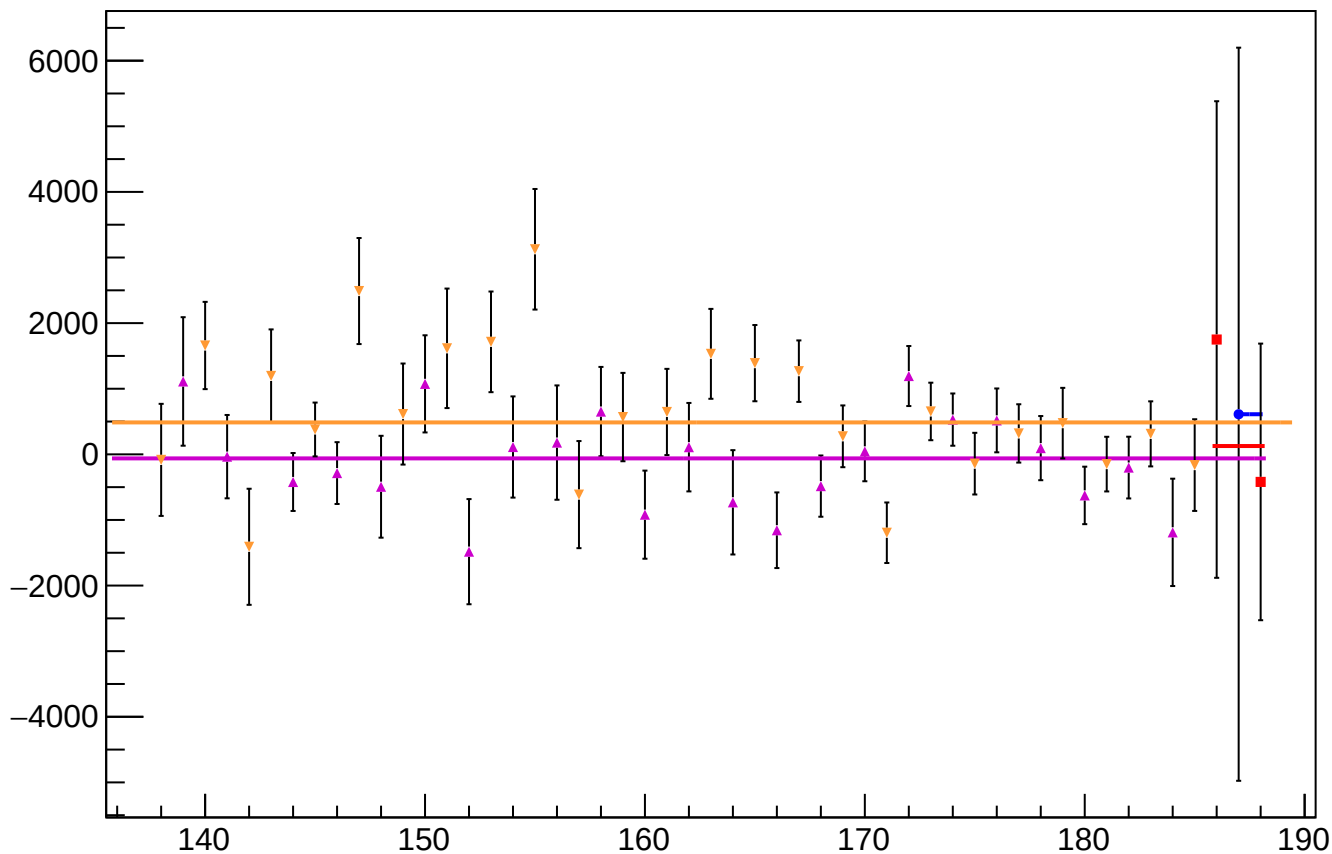
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF:2116885.7/22

+ sign 473.282 $\pm$ 0.081 χ^2 /NDF: 2692146.2/25

All: 474.729 $\pm$ 0.058 χ^2 /NDF: 6292028.3/50

- sign 476.223 $\pm$ 0.082 χ^2 /NDF: 3599231.5/24

asym_sam_3726_avg_mean vs Slug



Right In: 611.320 $\pm$ 5587.050 χ^2 /NDF: 0.0/0

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 126.658 $\pm$ 1823.215 χ^2 /NDF: 0.3/1

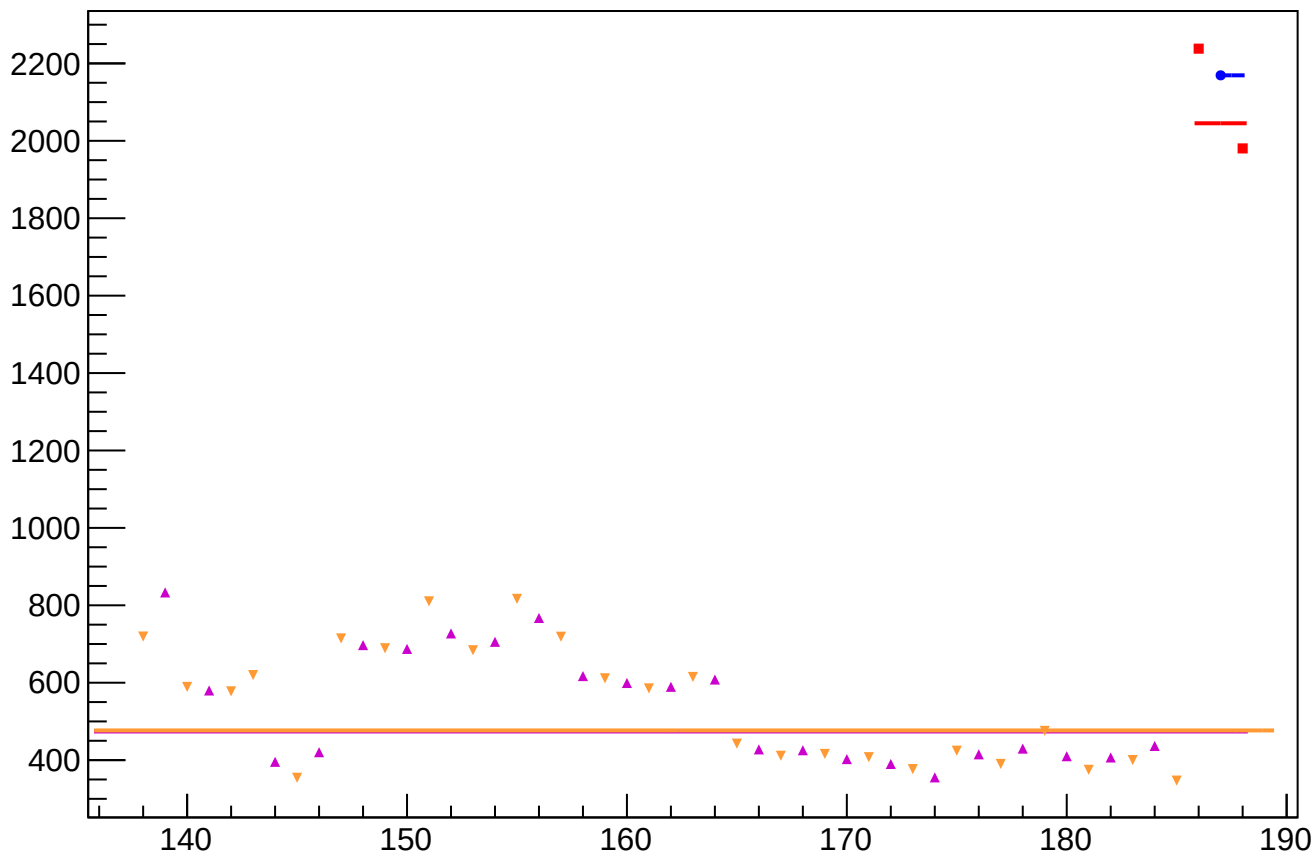
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 486.699 $\pm$ 115.322 χ^2 /NDF: 56.0/25

All: 217.289 $\pm$ 82.203 χ^2 /NDF: 98.6/50

- sign -60.996 $\pm$ 117.206 χ^2 /NDF: 31.4/24

asym_sam_3726_avg_rms vs Slug



Right In: 2169.209+/-3.951 χ^2 /NDF: 0.0/0

Left Out: 476.690+/-0.082 χ^2 /NDF:2472737.6/24

Right Out: 2045.336+/-1.289 χ^2 /NDF: 7530.8/1

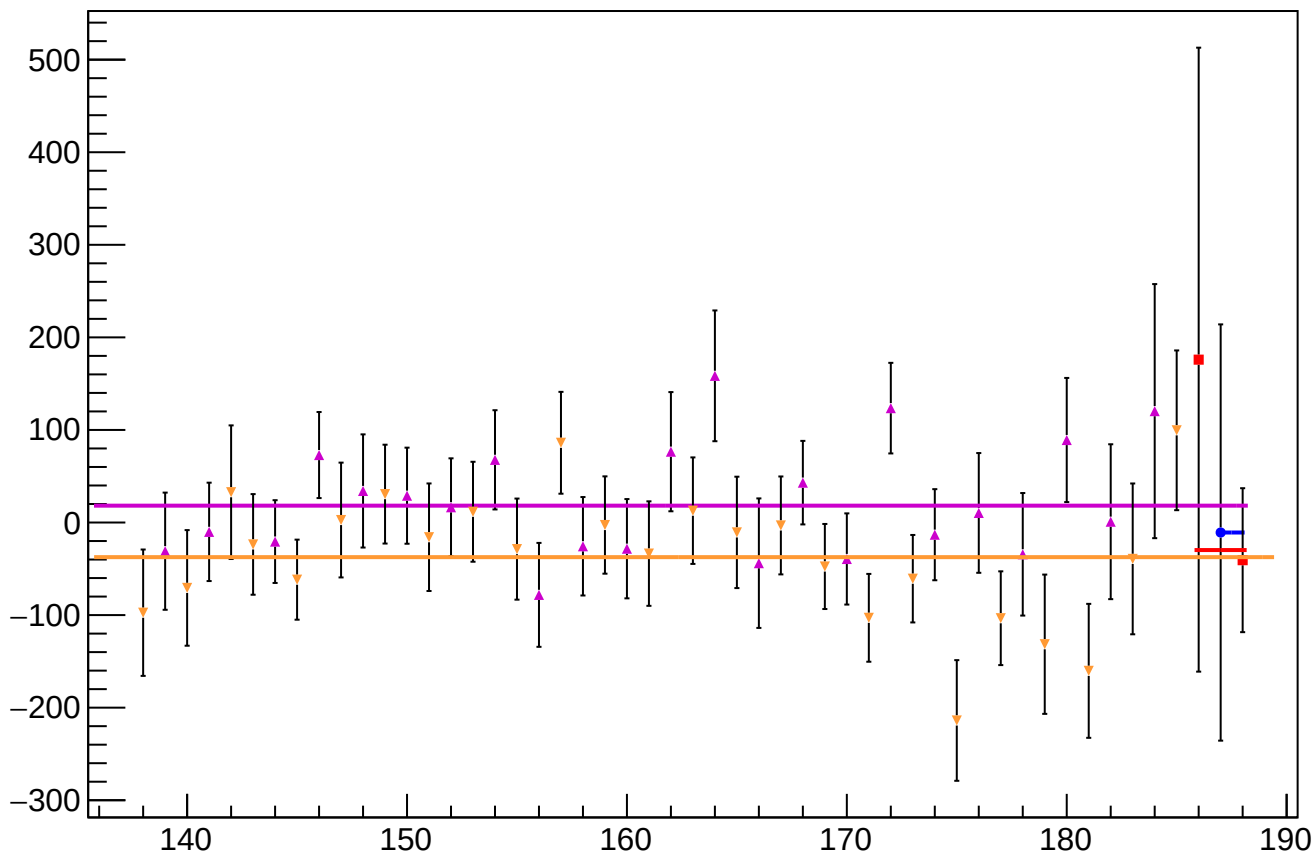
Left In: 473.983+/-0.083 χ^2 /NDF:2087113.7/22

+ sign 477.411+/-0.082 χ^2 /NDF: 2656200.1/25

All: 478.919+/-0.058 χ^2 /NDF: 6231000.3/50

- sign 480.477+/-0.083 χ^2 /NDF: 3574104.8/24

reg_asym_sam_15_48_dd_mean vs Slug



Right In: -10.803 ± 224.840 χ^2/NDF : 0.0/0

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -29.750 ± 75.764 χ^2/NDF : 0.4/1

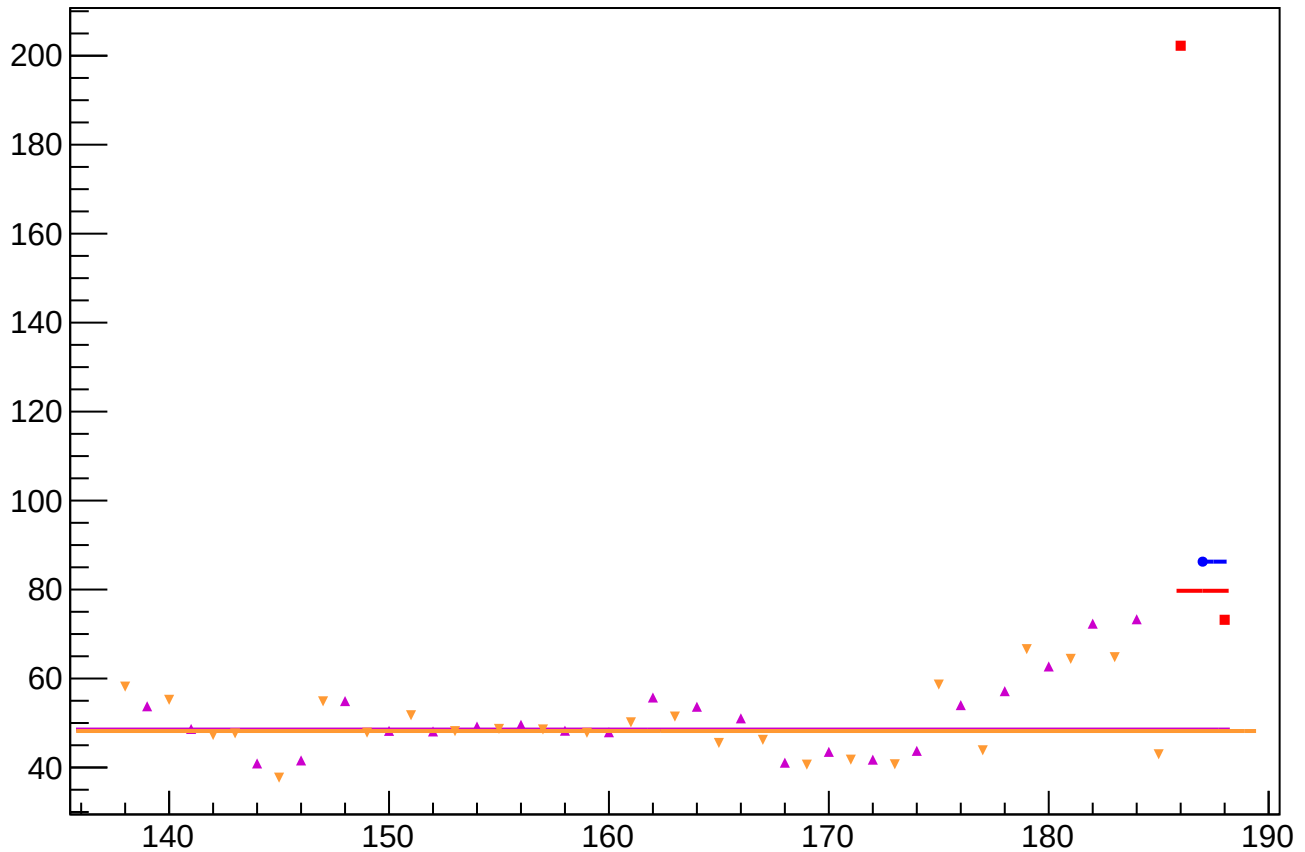
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -37.345 ± 11.375 χ^2/NDF : 30.5/25

All: -10.778 ± 8.138 χ^2/NDF : 65.4/50

- sign 17.077 ± 11.648 χ^2/NDF : 23.8/24

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 86.270 $\pm$ 0.159 χ^2 /NDF: 0.0/0

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 79.722 $\pm$ 0.054 χ^2 /NDF: 278392.9/1

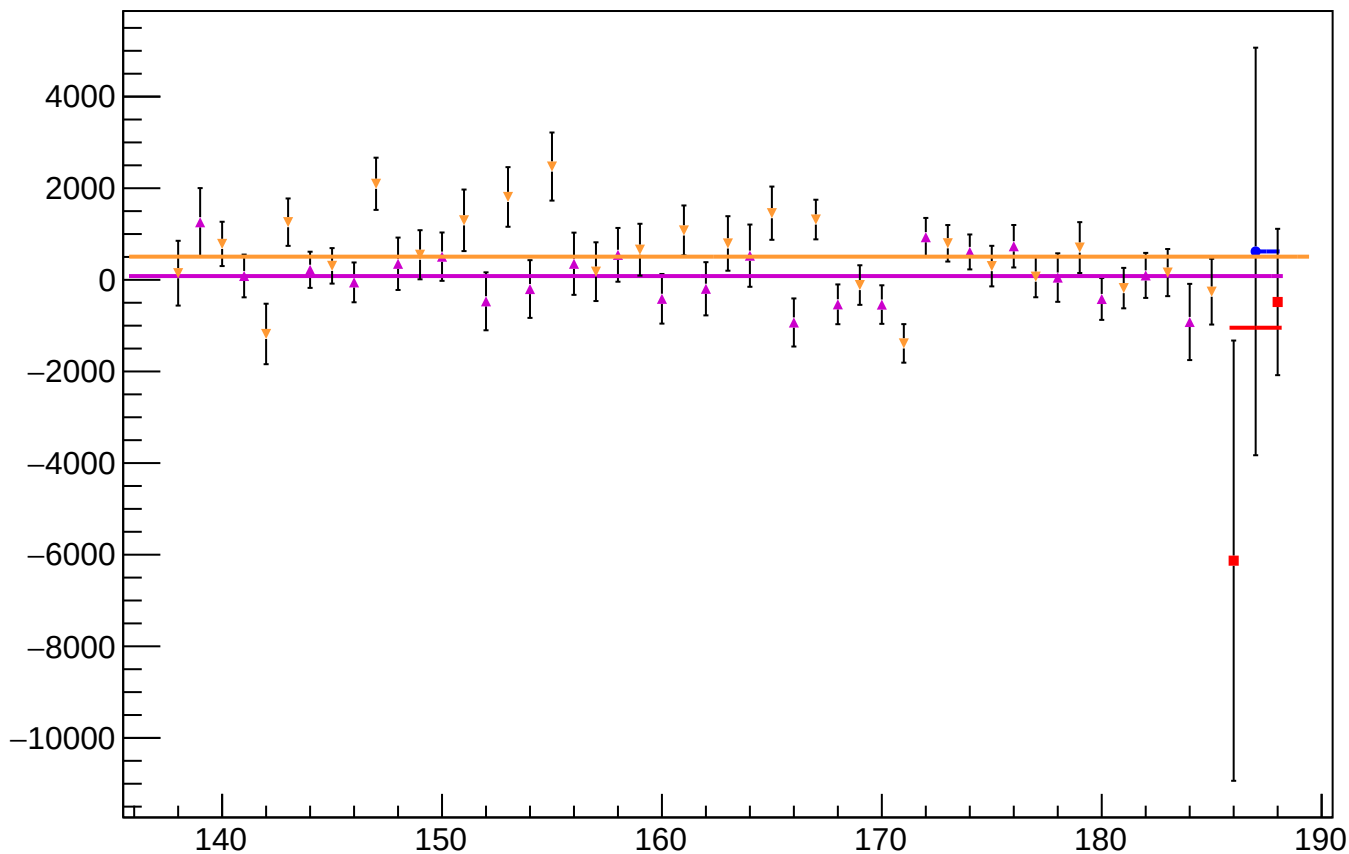
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 48.297 $\pm$ 0.008 χ^2 /NDF: 807390.7/25

All: 48.769 $\pm$ 0.006 χ^2 /NDF: 2099229.9/50

- sign 49.264 $\pm$ 0.008 χ^2 /NDF: 1284784.4/24

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 619.729 ± 4448.700 χ^2/NDF : 0.0/0

Left Out: 506.205 ± 103.468 χ^2/NDF : 65.7/24

Right Out: -1045.353 ± 1515.813 χ^2/NDF : 1.2/1

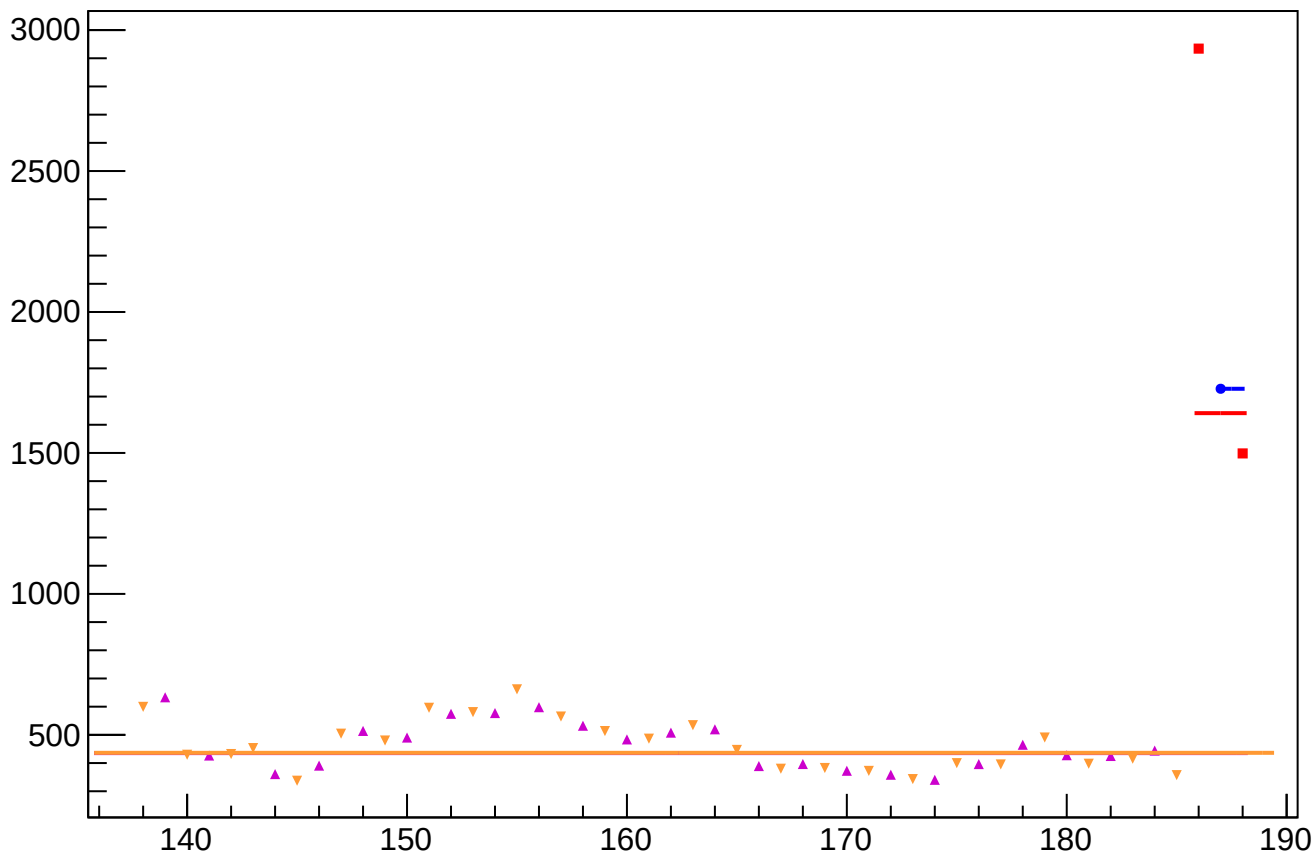
Left In: 82.421 ± 105.935 χ^2/NDF : 25.3/22

+ sign 506.266 ± 103.440 χ^2/NDF : 65.7/25

All: 296.197 ± 73.921 χ^2/NDF : 101.3/50

- sign 76.939 ± 105.677 χ^2/NDF : 27.1/24

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1727.647 $\pm$ 3.146 χ^2 /NDF: 0.0/0

Left Out: 436.301 $\pm$ 0.073 χ^2 /NDF:1179348.4/24

Right Out: 1641.193 $\pm$ 1.072 χ^2 /NDF: 160797.8/1

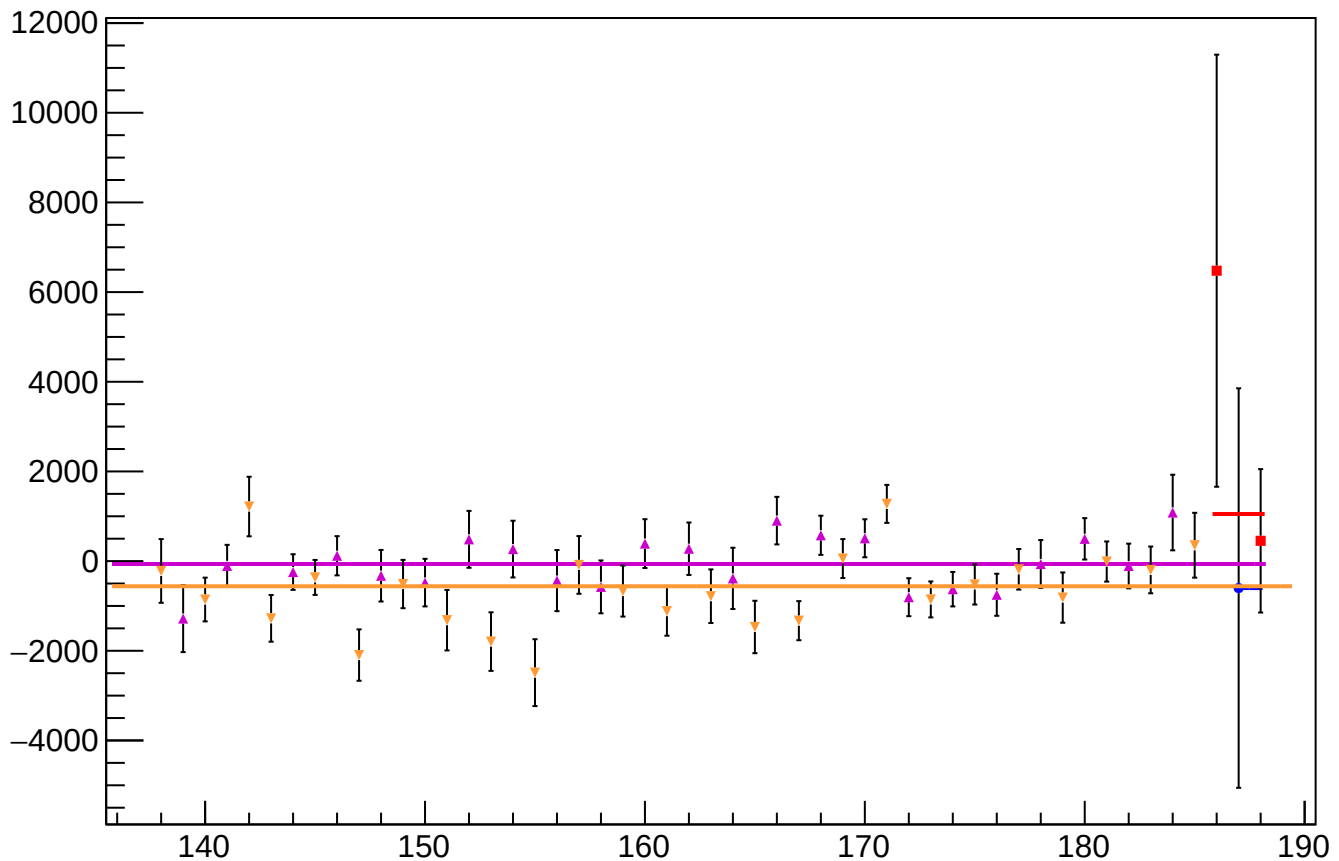
Left In: 435.275 $\pm$ 0.075 χ^2 /NDF:1027713.1/22

+ sign 437.000 $\pm$ 0.073 χ^2 /NDF: 1347776.2/25

All: 439.024 $\pm$ 0.052 χ^2 /NDF: 3797526.5/50

- sign 441.136 $\pm$ 0.075 χ^2 /NDF: 2448185.3/24

asym_sam_15_48_dd_mean vs Slug



Right In: -600.770+/-4455.156 χ^2/NDF : 0.0/0

Left Out: -560.684+/-104.207 χ^2/NDF : 61.8/24

Right Out: 1050.335+/-1517.955 χ^2/NDF : 1.4/1

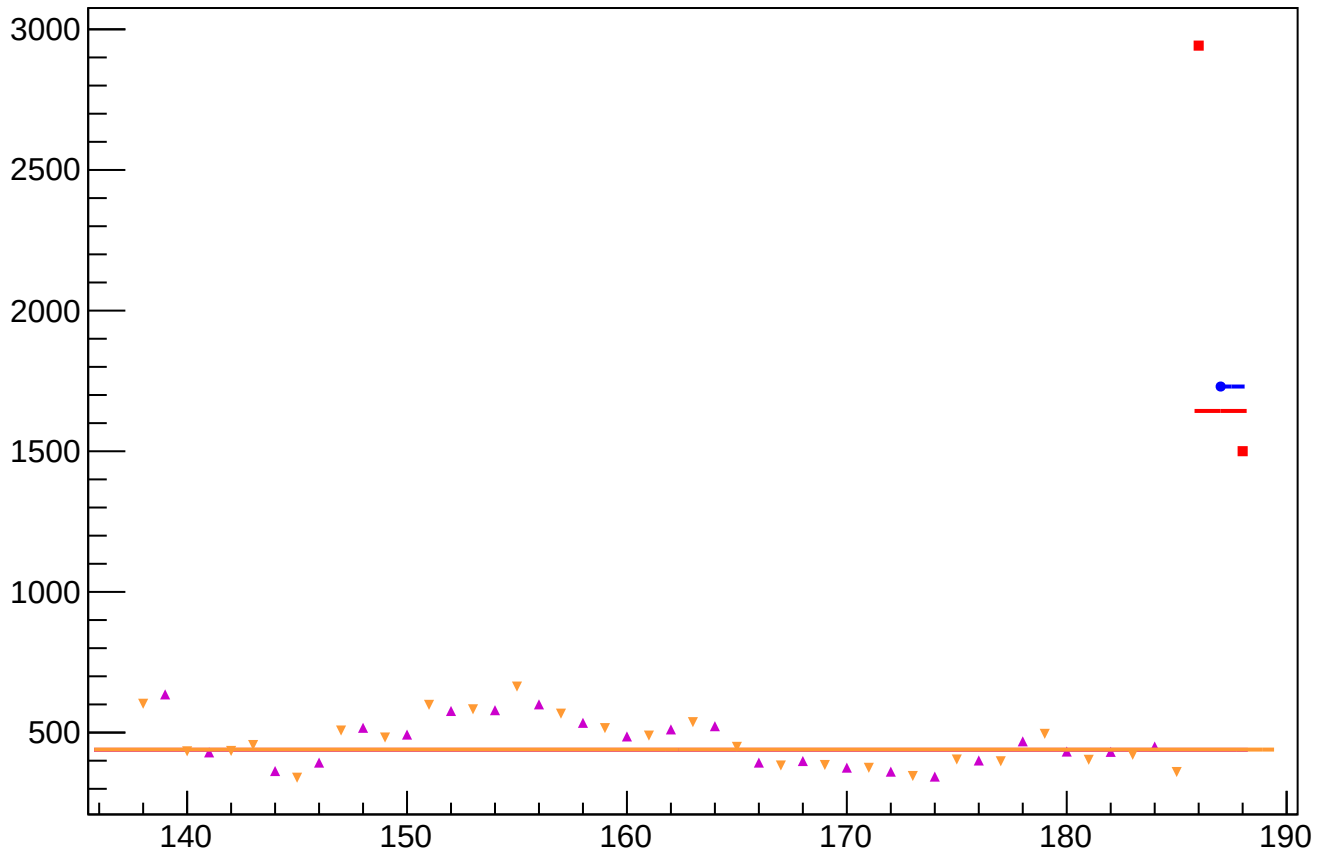
Left In: -64.594+/-106.708 χ^2/NDF : 25.2/22

+ sign -560.706+/-104.179 χ^2/NDF : 61.8/25

All: -315.305+/-74.454 χ^2/NDF : 100.2/50

- sign -59.112+/-106.445 χ^2/NDF : 27.1/24

asym_sam_15_48_dd_rms vs Slug



Right In: 1730.123+/-3.150 χ^2/NDF : 0.0/0

Left Out: 439.527+/-0.074 χ^2/NDF :1163352.8/24

Right Out: 1643.344+/-1.073 χ^2/NDF : 161280.4/1

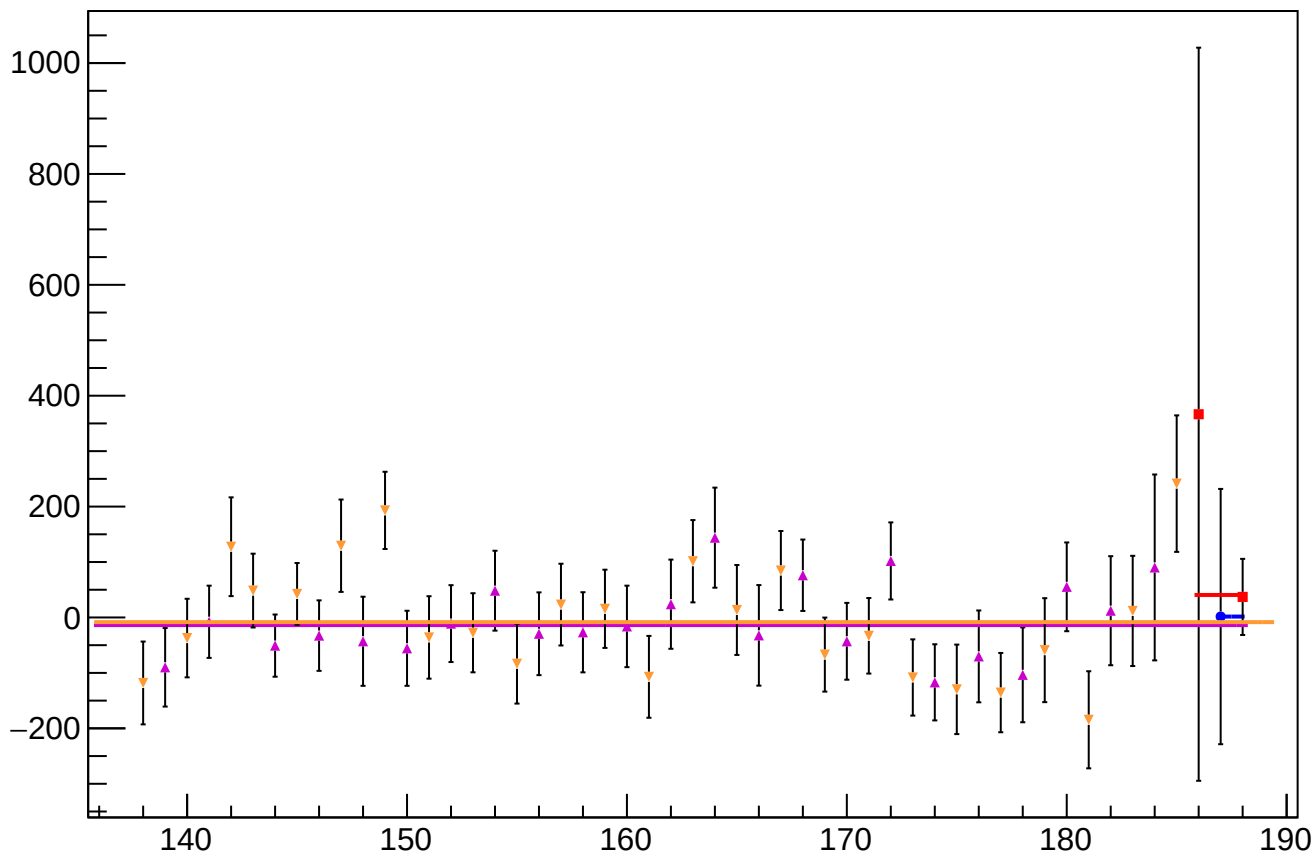
Left In: 438.548+/-0.075 χ^2/NDF :1013071.4/22

+ sign 440.233+/-0.074 χ^2/NDF : 1331096.9/25

All: 442.307+/-0.053 χ^2/NDF : 3760785.3/50

- sign 444.472+/-0.075 χ^2/NDF : 2428068.0/24

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 1.619 ± 230.253 χ^2/NDF : 0.0/0

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 40.575 ± 68.285 χ^2/NDF : 0.2/1

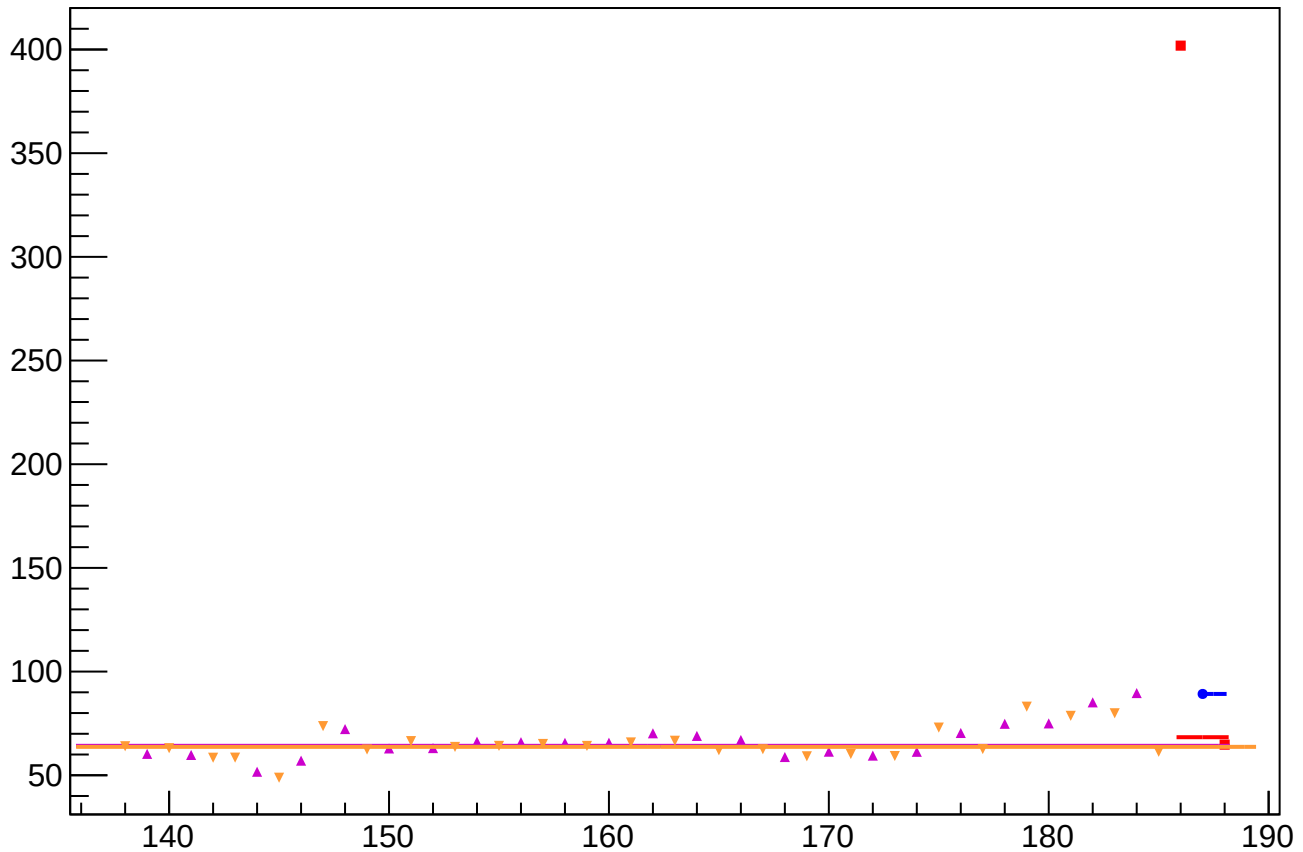
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -8.374 ± 14.903 χ^2/NDF : 41.6/25

All: -9.705 ± 10.605 χ^2/NDF : 58.7/50

- sign -11.070 ± 15.095 χ^2/NDF : 17.1/24

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 89.214 $\pm$ 0.163 χ^2 /NDF: 0.0/0

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 68.347 $\pm$ 0.048 χ^2 /NDF: 514341.7/1

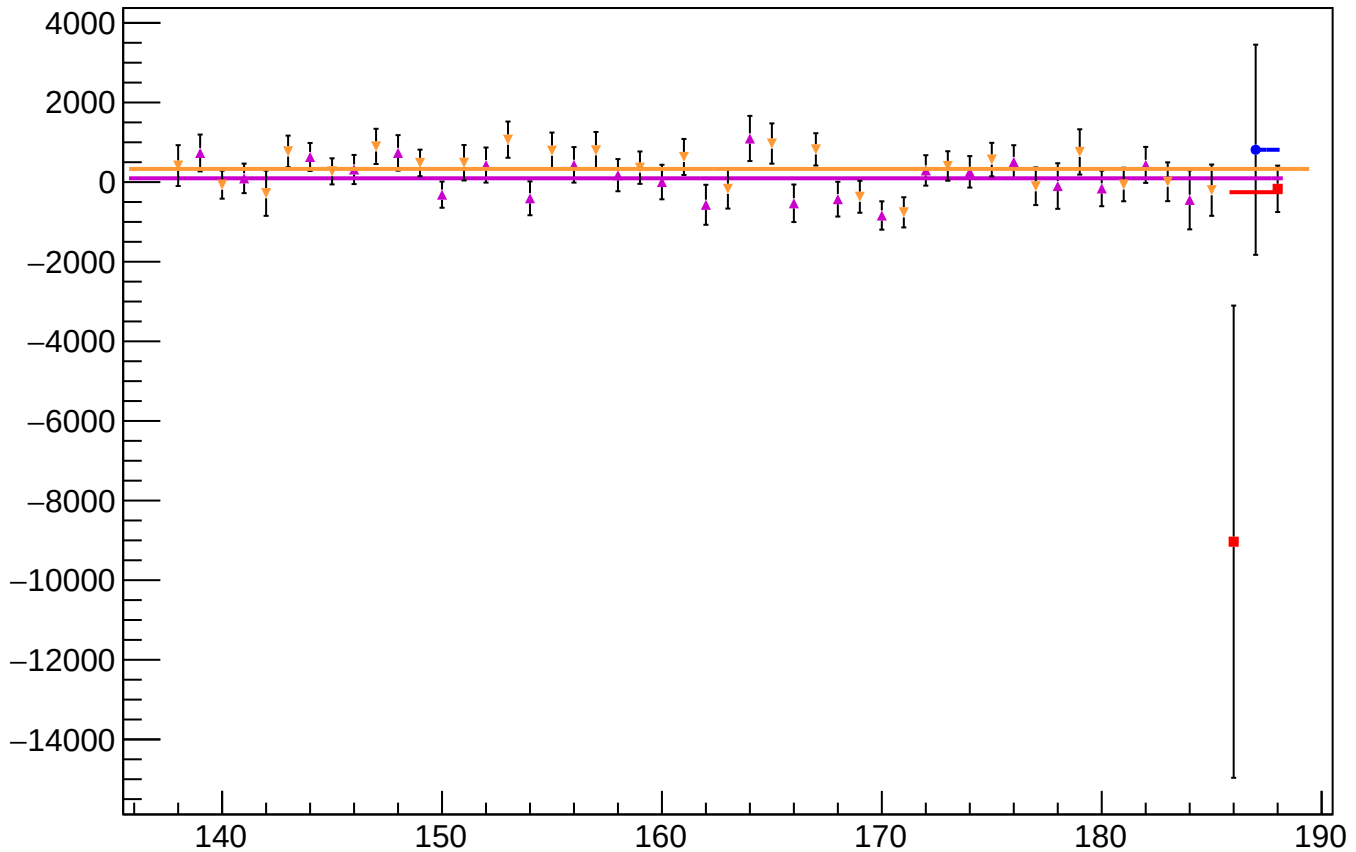
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.803 $\pm$ 0.011 χ^2 /NDF: 472900.2/25

All: 64.094 $\pm$ 0.007 χ^2 /NDF: 1425510.9/50

- sign 64.392 $\pm$ 0.011 χ^2 /NDF: 951066.4/24

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 812.787 ± 2639.916 χ^2/NDF : 0.0/0

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: -253.673 ± 580.451 χ^2/NDF : 2.2/1

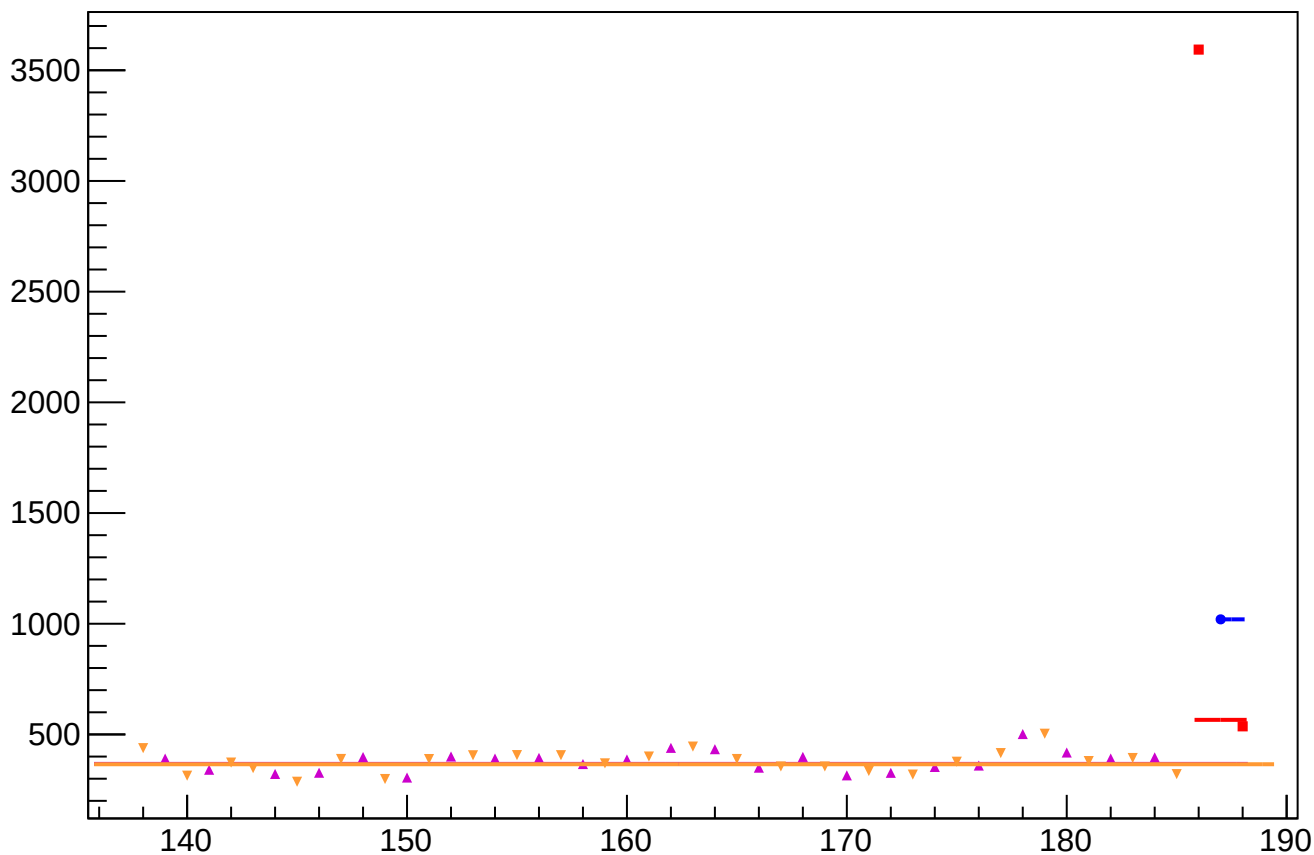
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 332.250 ± 86.025 χ^2/NDF : 29.9/25

All: 212.366 ± 61.392 χ^2/NDF : 65.1/50

- sign 87.940 ± 87.640 χ^2/NDF : 31.3/24

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 1019.794 $\pm$ 1.867 χ^2 /NDF: 0.0/0

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 565.843 $\pm$ 0.410 χ^2 /NDF: 526106.1/1

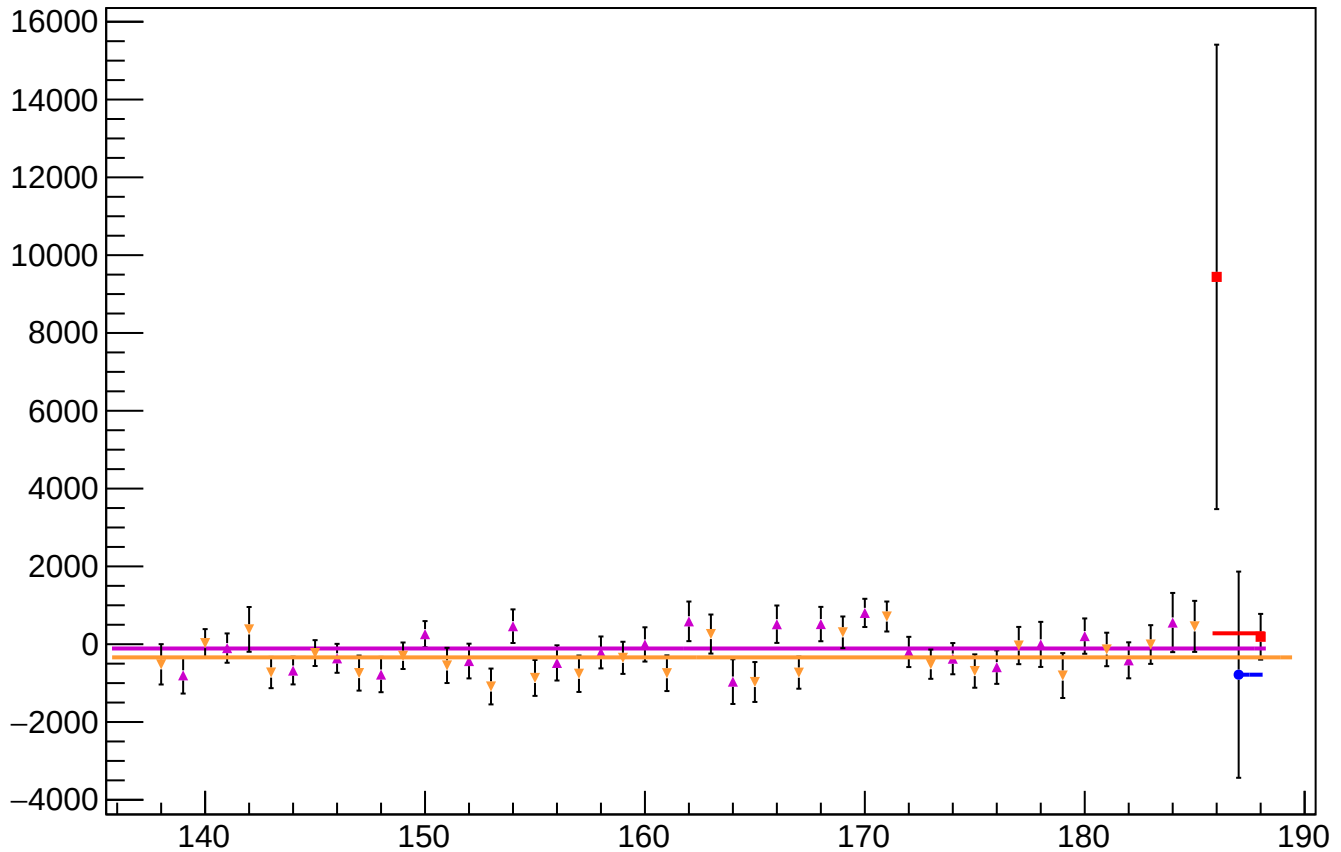
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 366.050 $\pm$ 0.061 χ^2 /NDF: 741233.2/25

All: 368.704 $\pm$ 0.043 χ^2 /NDF: 1978827.8/50

- sign 371.459 $\pm$ 0.062 χ^2 /NDF: 1233714.3/24

asym_sam_37_48_dd_mean vs Slug



Right In: -783.813 $\pm$ 2650.230 χ^2 /NDF: 0.0/0

Left Out: -338.528 $\pm$ 87.450 χ^2 /NDF: 28.2/24

Right Out: 279.989 $\pm$ 585.089 χ^2 /NDF: 2.4/1

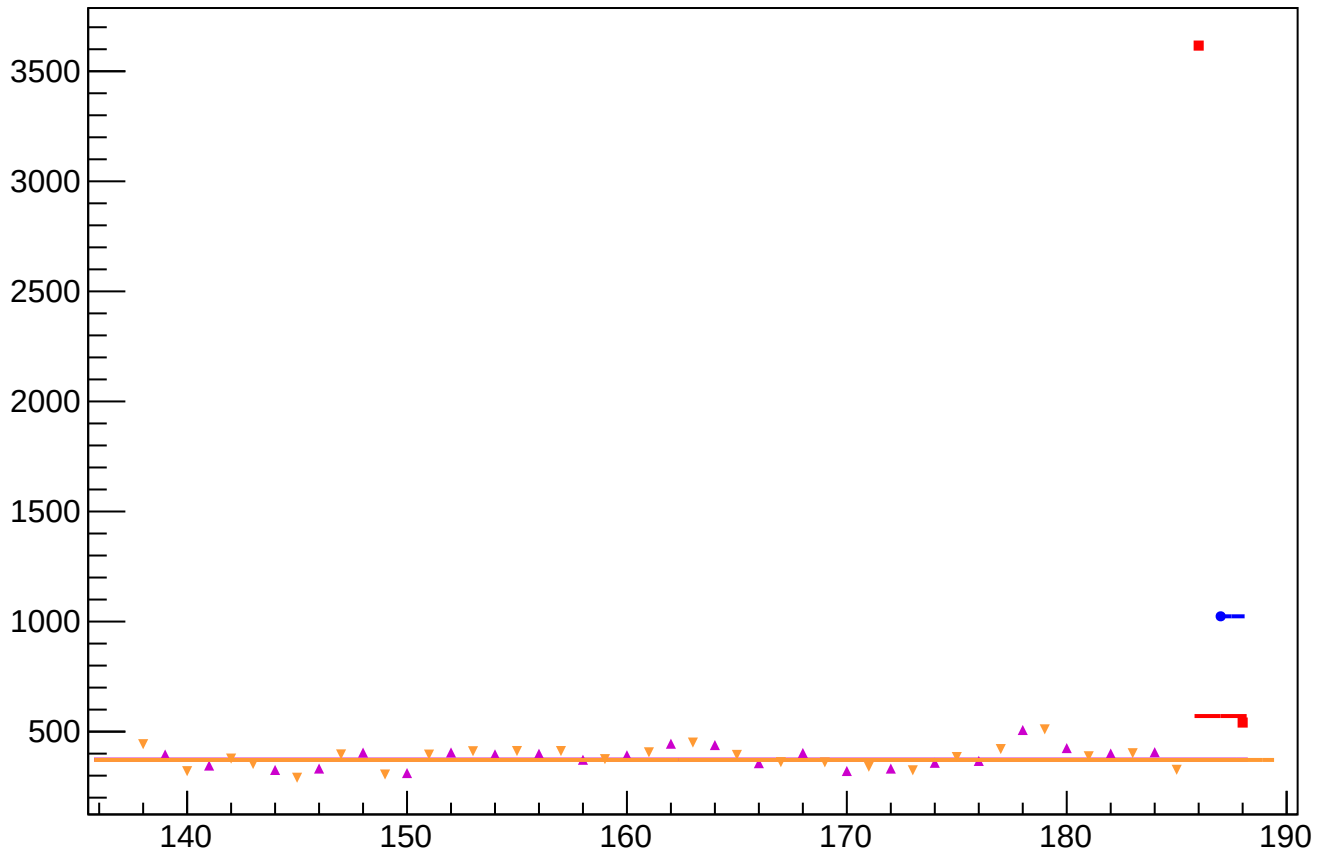
Left In: -110.341 $\pm$ 90.084 χ^2 /NDF: 29.2/22

+ sign -339.012 $\pm$ 87.403 χ^2 /NDF: 28.2/25

All: -222.356 $\pm$ 62.372 χ^2 /NDF: 63.9/50

- sign -101.302 $\pm$ 89.035 χ^2 /NDF: 32.0/24

asym_sam_37_48_dd_rms vs Slug



Right In: 1023.828+/-1.874 χ^2/NDF : 0.0/0

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 570.750+/-0.414 χ^2/NDF : 525780.5/1

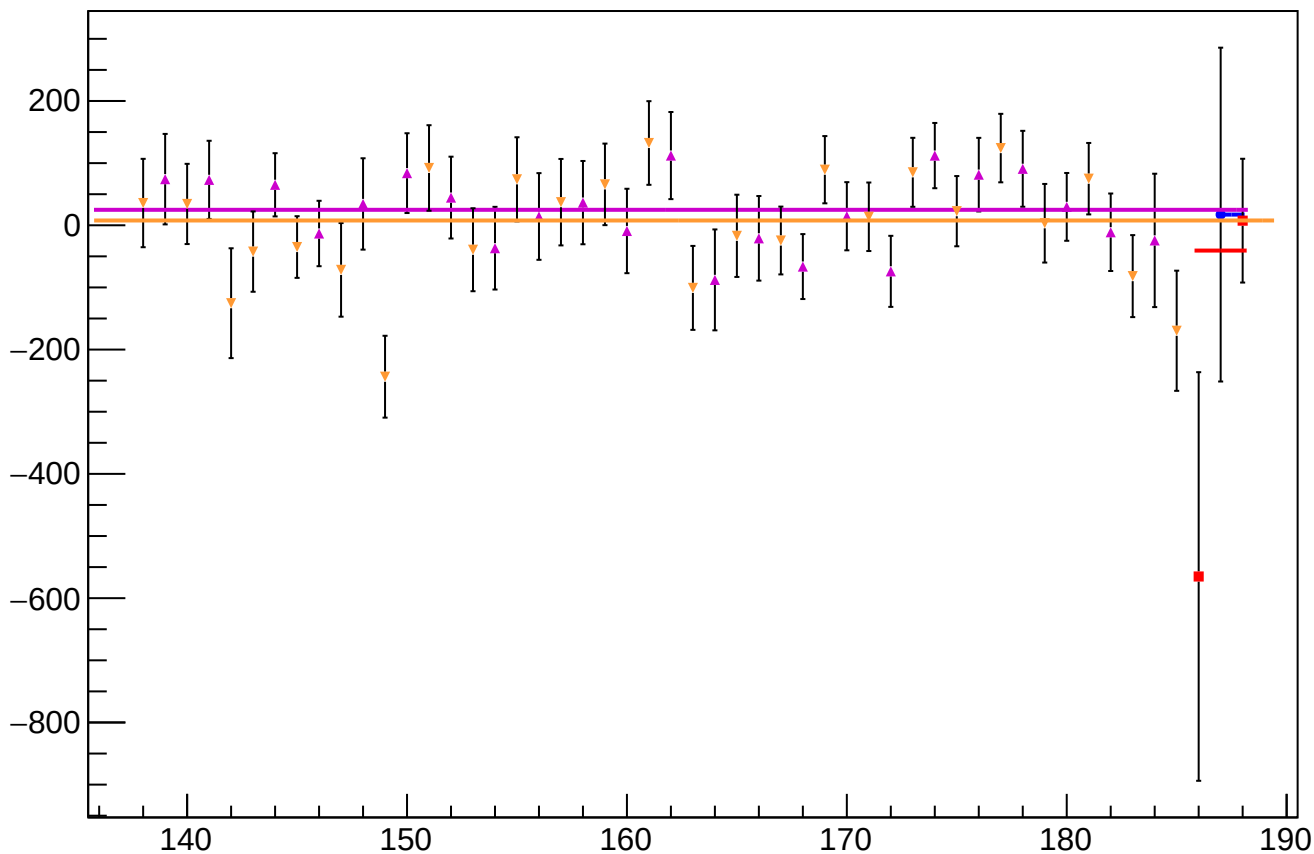
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 372.066+/-0.062 χ^2/NDF : 725162.4/25

All: 374.742+/-0.044 χ^2/NDF : 1945417.7/50

- sign 377.518+/-0.063 χ^2/NDF : 1216435.0/24

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 17.199 $\pm$ 268.581 χ^2 /NDF: 0.0/0

Left Out: 7.723 $\pm$ 12.656 χ^2 /NDF:45.4/24

Right Out: -40.693 $\pm$ 95.307 χ^2 /NDF: 2.8/1

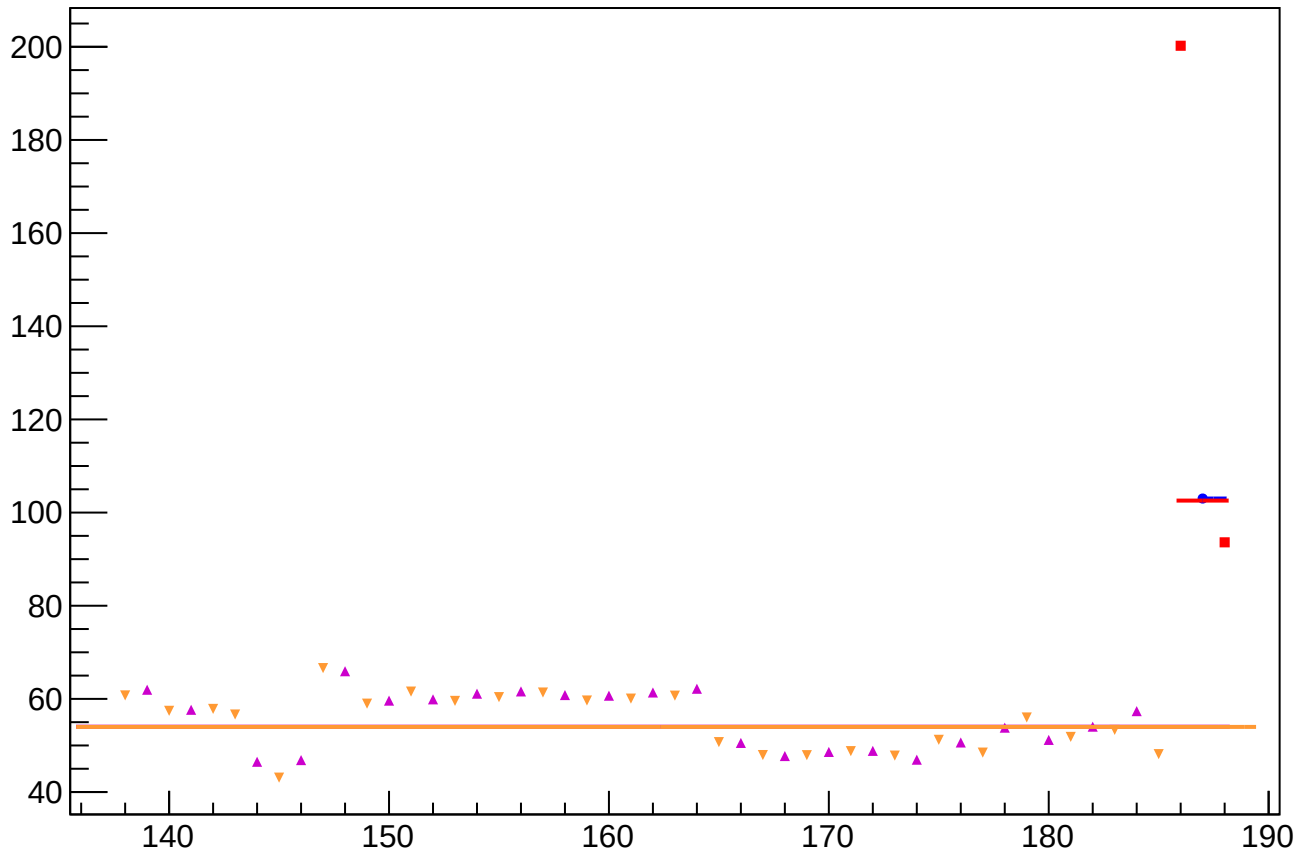
Left In: 24.887 $\pm$ 13.029 χ^2 /NDF:19.7/22

+ sign 7.744 $\pm$ 12.642 χ^2 /NDF: 45.4/25

All: 15.548 $\pm$ 9.032 χ^2 /NDF: 69.2/50

- sign 23.684 $\pm$ 12.909 χ^2 /NDF: 23.0/24

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 103.015 $\pm$ 0.190 χ^2 /NDF: 0.0/0

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 102.574 $\pm$ 0.067 χ^2 /NDF: 192666.8/1

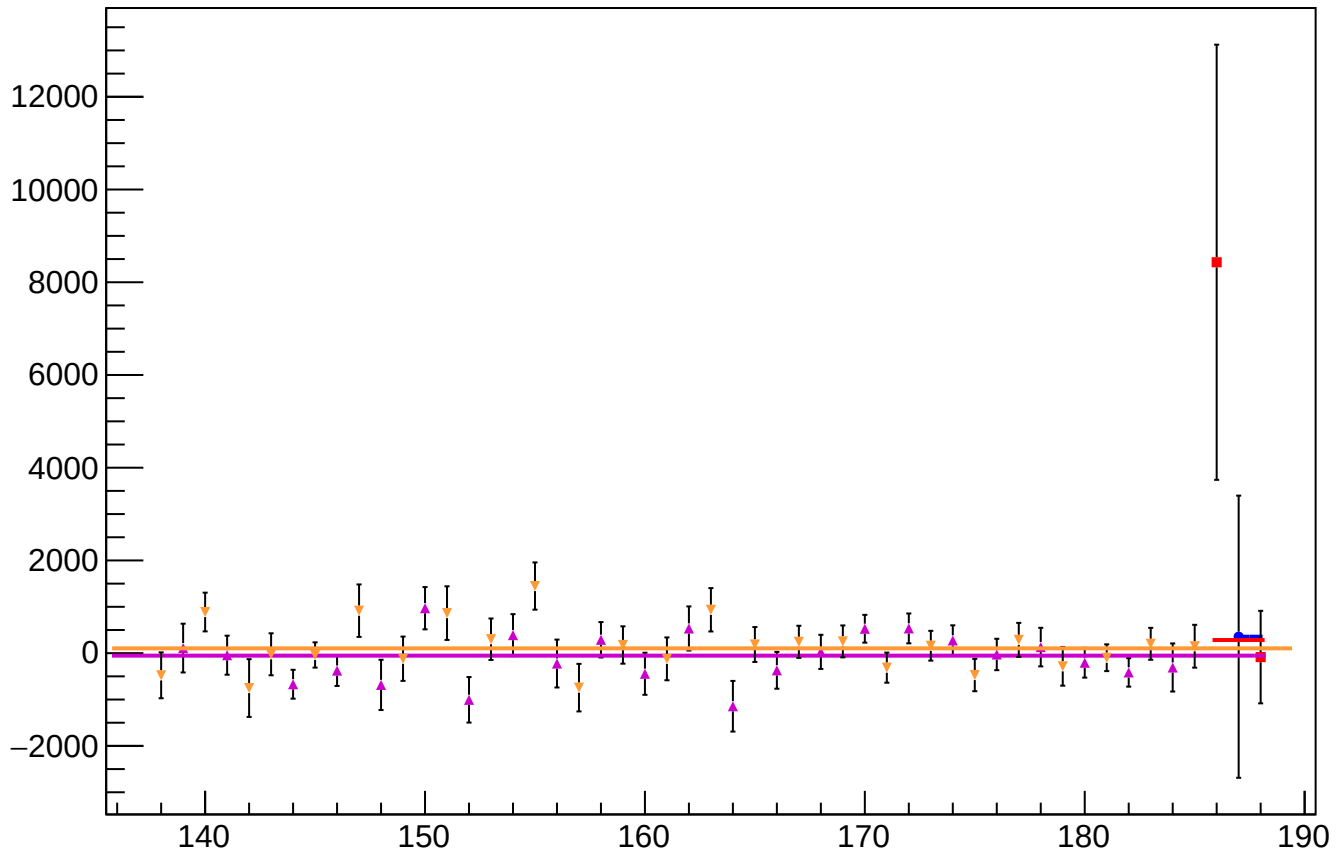
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 54.092 $\pm$ 0.009 χ^2 /NDF: 525478.1/25

All: 54.497 $\pm$ 0.006 χ^2 /NDF: 1675543.5/50

- sign 54.918 $\pm$ 0.009 χ^2 /NDF: 1145885.9/24

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 354.740 ± 3042.718 χ^2/NDF : 0.0/0

Left Out: 103.768 ± 79.344 χ^2/NDF : 31.0/24

Right Out: 283.602 ± 975.857 χ^2/NDF : 3.2/1

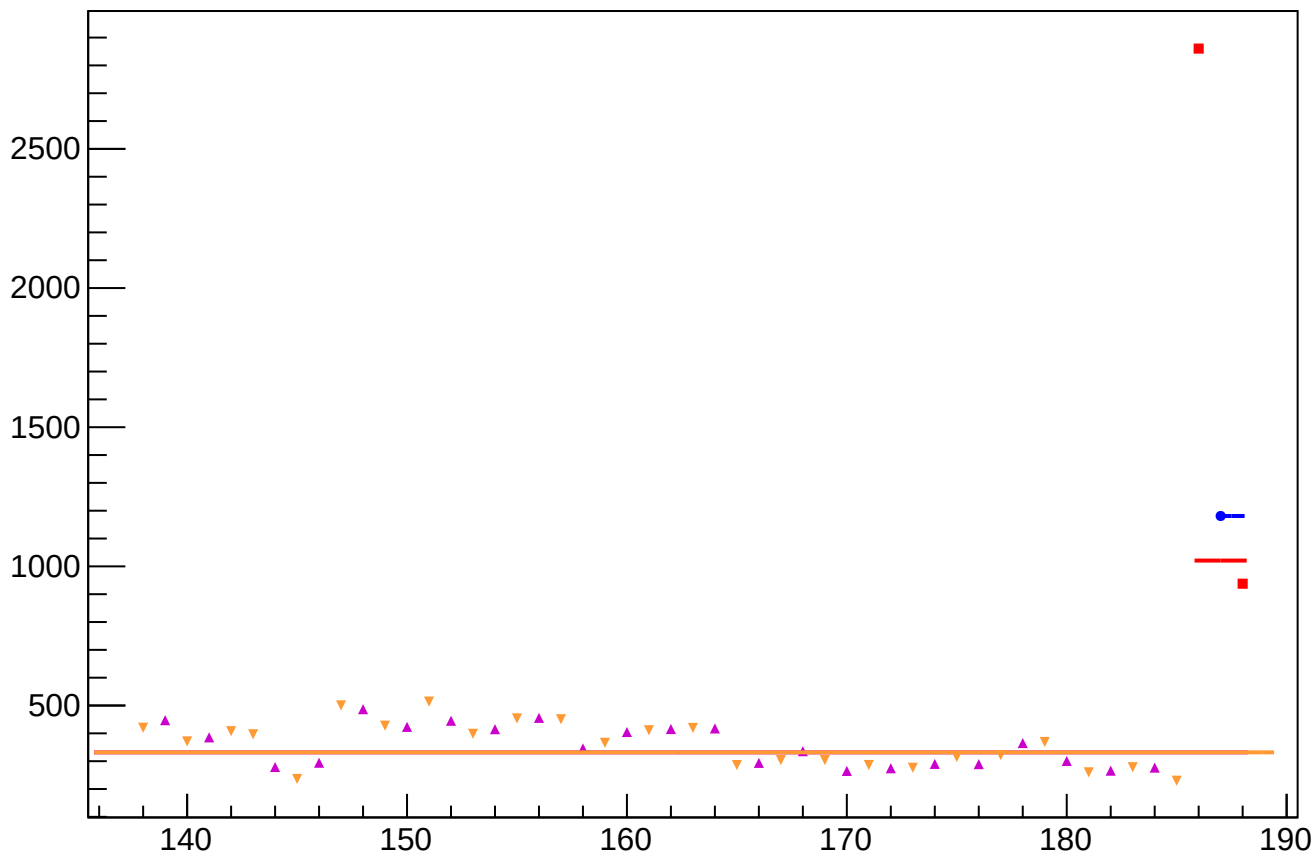
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 103.938 ± 79.317 χ^2/NDF : 31.0/25

All: 27.934 ± 56.644 χ^2/NDF : 70.2/50

- sign -51.175 ± 80.921 χ^2/NDF : 37.4/24

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 1181.038 $\pm$ 2.152 χ^2 /NDF: 0.0/0

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 1020.834 $\pm$ 0.690 χ^2 /NDF: 321211.8/1

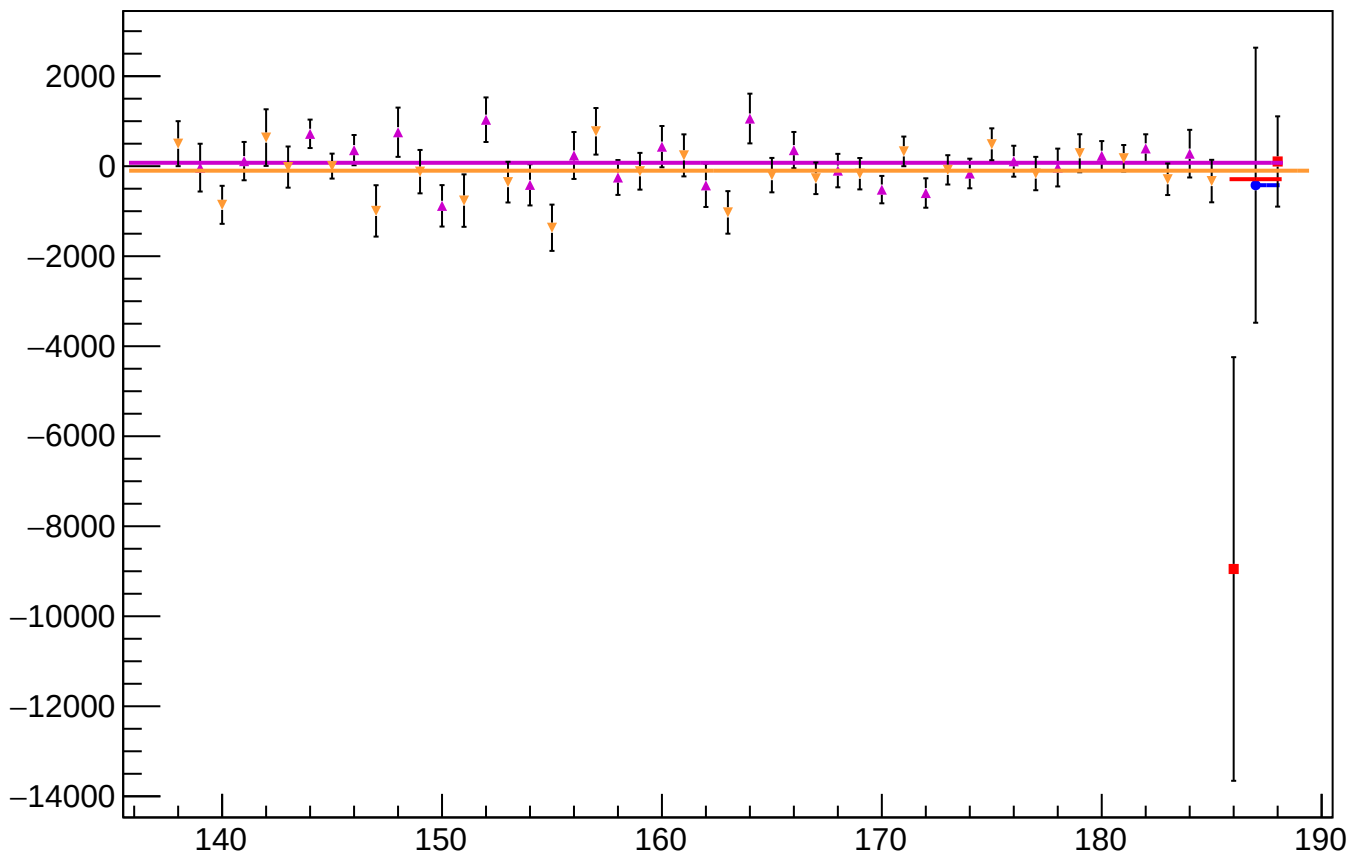
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 332.348 $\pm$ 0.056 χ^2 /NDF: 1867426.2/25

All: 334.335 $\pm$ 0.040 χ^2 /NDF: 4485023.9/50

- sign 336.405 $\pm$ 0.057 χ^2 /NDF: 2615033.6/24

asym_sam_15_26_dd_mean vs Slug



Right In: -422.369 ± 3055.841 χ^2/NDF : 0.0/0

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -288.745 ± 981.014 χ^2/NDF : 3.5/1

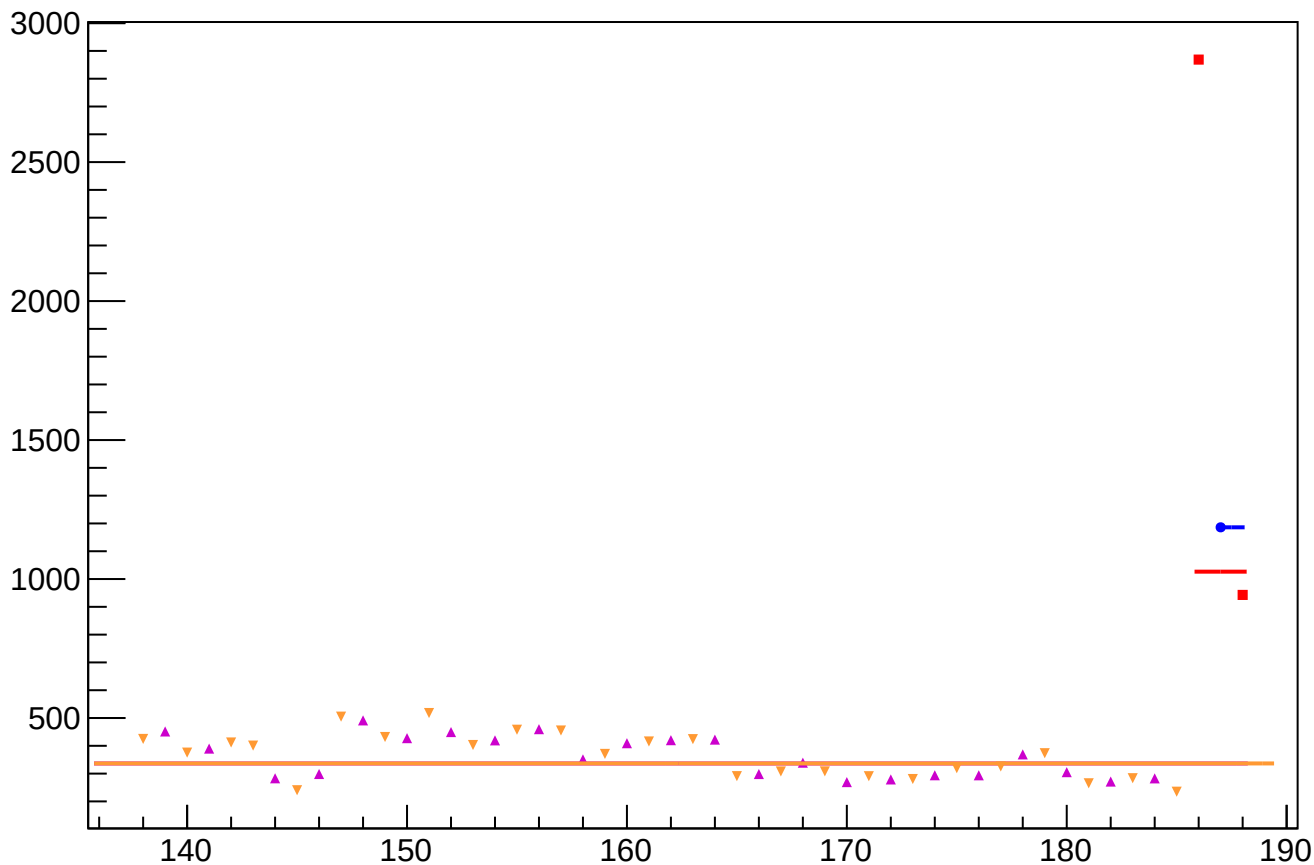
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -100.008 ± 80.400 χ^2/NDF : 30.7/25

All: -15.225 ± 57.419 χ^2/NDF : 68.7/50

- sign 73.032 ± 82.030 χ^2/NDF : 35.8/24

asym_sam_15_26_dd_rms vs Slug



Right In: 1186.048 $\pm$ 2.161 χ^2 /NDF: 0.0/0

Left Out: 336.557 $\pm$ 0.057 χ^2 /NDF:1665919.4/24

Right Out: 1026.530 $\pm$ 0.694 χ^2 /NDF: 320389.0/1

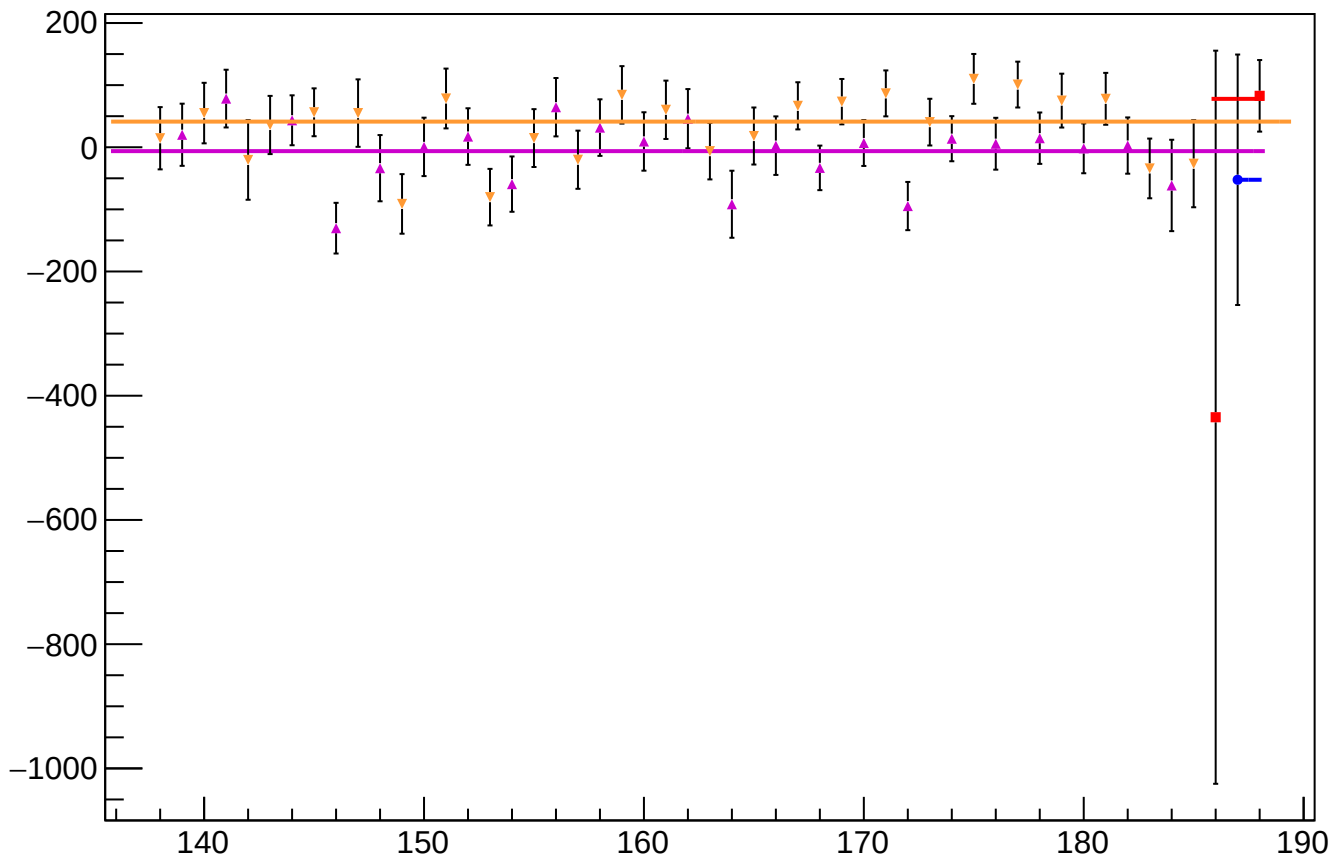
Left In: 336.439 $\pm$ 0.058 χ^2 /NDF:1269066.3/22

+ sign 337.146 $\pm$ 0.057 χ^2 /NDF: 1820368.4/25

All: 339.164 $\pm$ 0.041 χ^2 /NDF: 4395149.8/50

- sign 341.265 $\pm$ 0.058 χ^2 /NDF: 2572209.3/24

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -52.362 ± 201.613 χ^2/NDF : 0.0/0

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: 77.893 ± 57.344 χ^2/NDF : 0.8/1

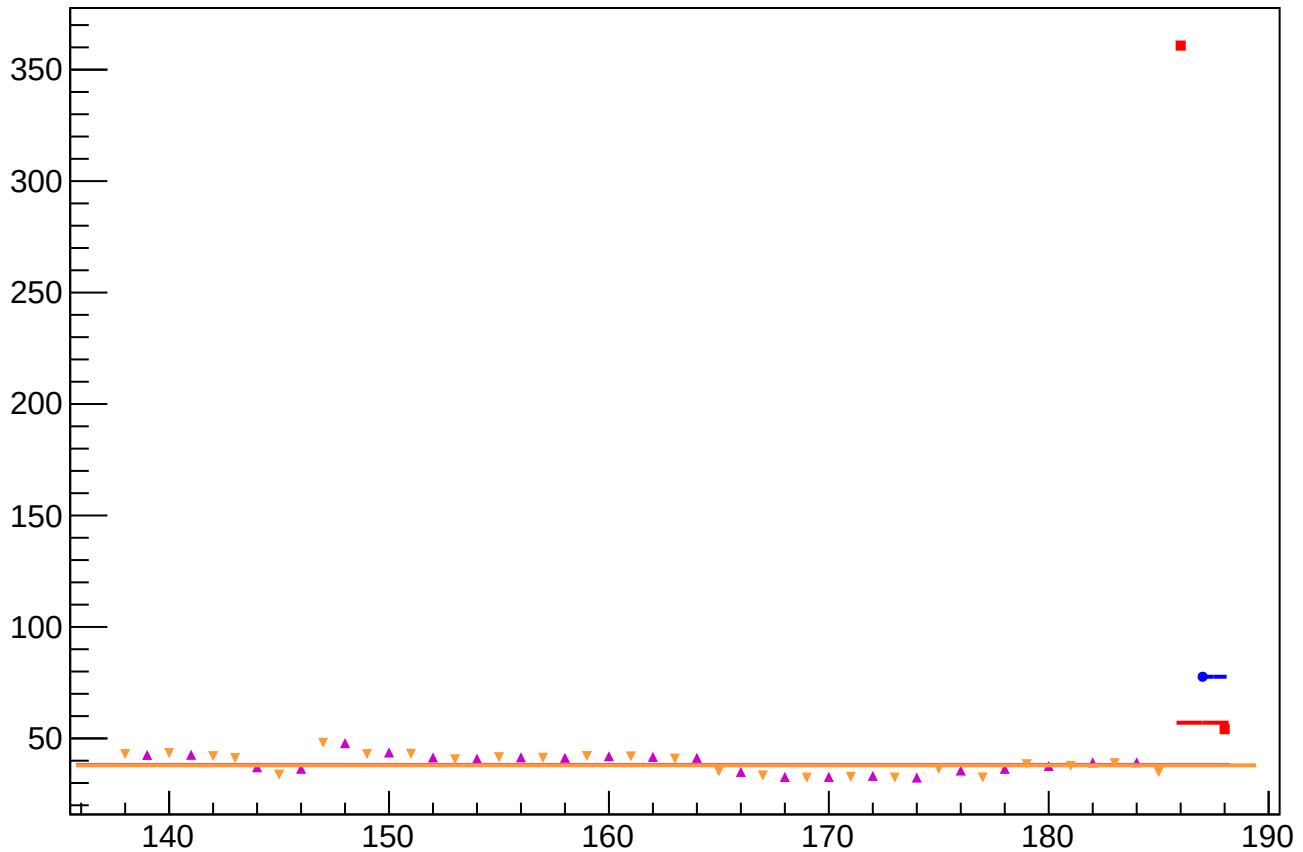
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 41.102 ± 8.881 χ^2/NDF : 34.6/25

All: 18.925 ± 6.342 χ^2/NDF : 80.4/50

- sign -4.154 ± 9.059 χ^2/NDF : 33.1/24

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 77.658 $\pm$ 0.143 χ^2 /NDF: 0.0/0

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 57.034 $\pm$ 0.041 χ^2 /NDF: 534956.7/1

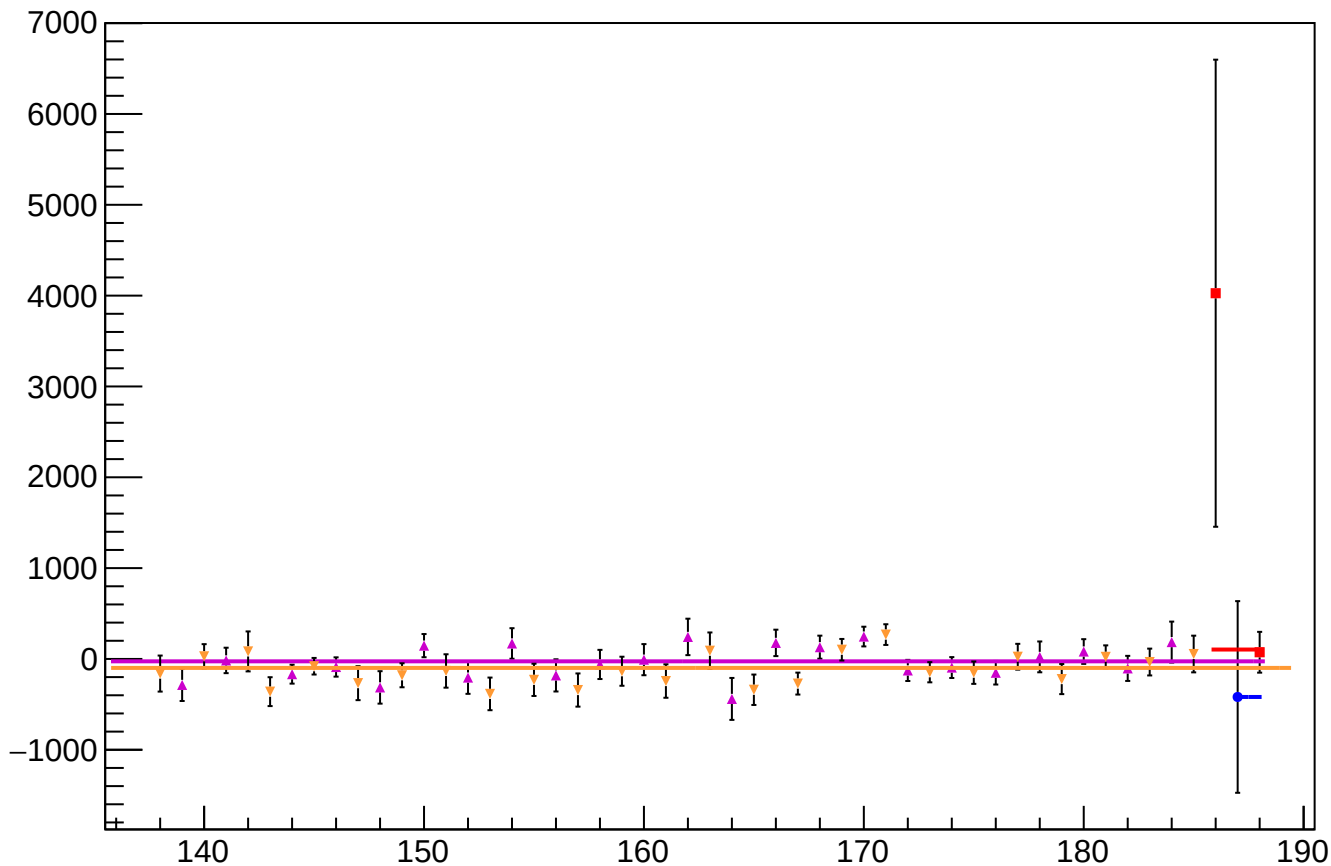
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 38.002 $\pm$ 0.006 χ^2 /NDF: 564613.8/25

All: 38.276 $\pm$ 0.004 χ^2 /NDF: 1712654.5/50

- sign 38.560 $\pm$ 0.006 χ^2 /NDF: 1144171.1/24

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -418.624 ± 1055.050 χ^2/NDF : 0.0/0

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: 103.606 ± 223.720 χ^2/NDF : 2.3/1

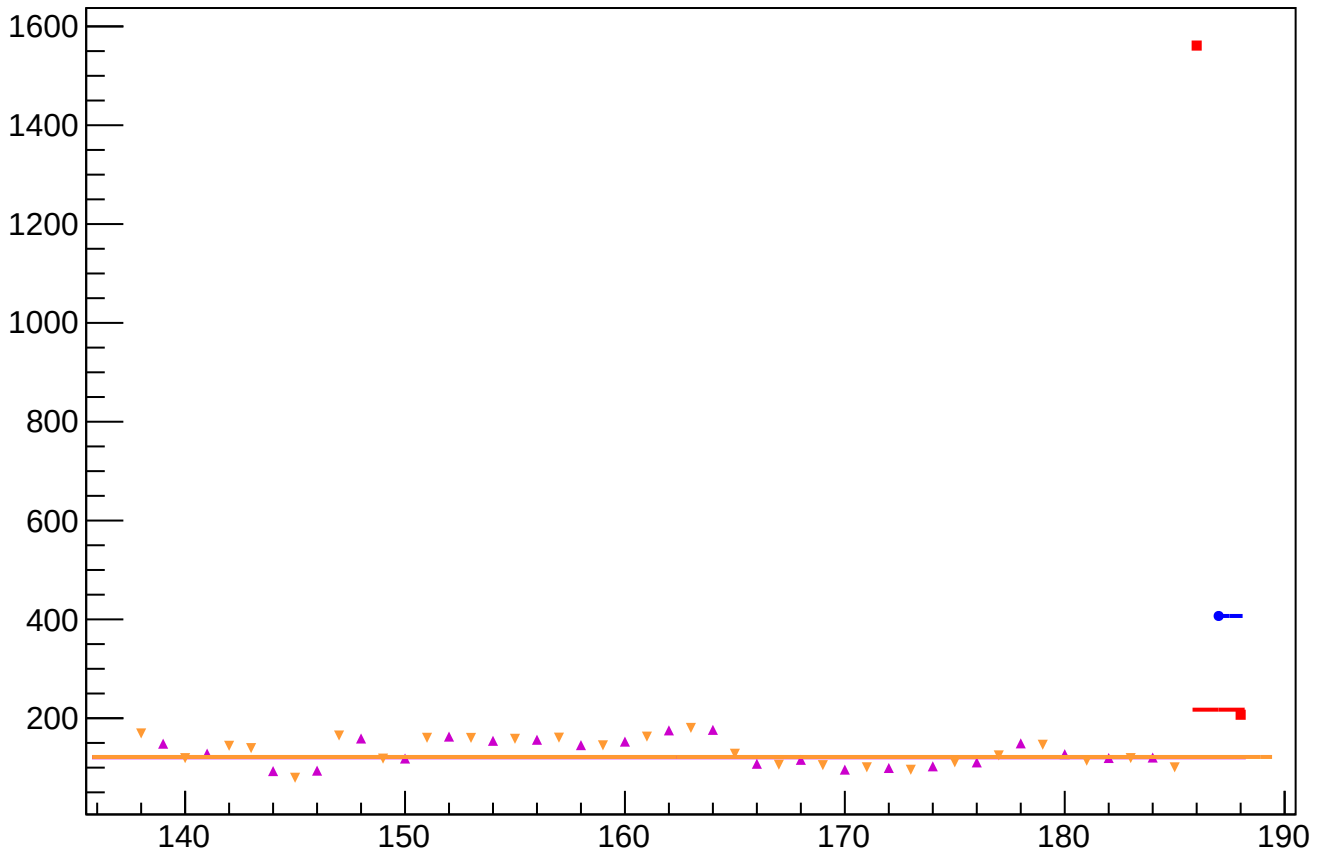
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -98.984 ± 29.084 χ^2/NDF : 32.8/25

All: -61.909 ± 20.683 χ^2/NDF : 69.5/50

- sign -23.978 ± 29.418 χ^2/NDF : 33.3/24

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 406.915 $\pm$ 0.746 χ^2 /NDF: 0.0/0

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF:1711423.9/24

Right Out: 217.293 $\pm$ 0.158 χ^2 /NDF: 550525.3/1

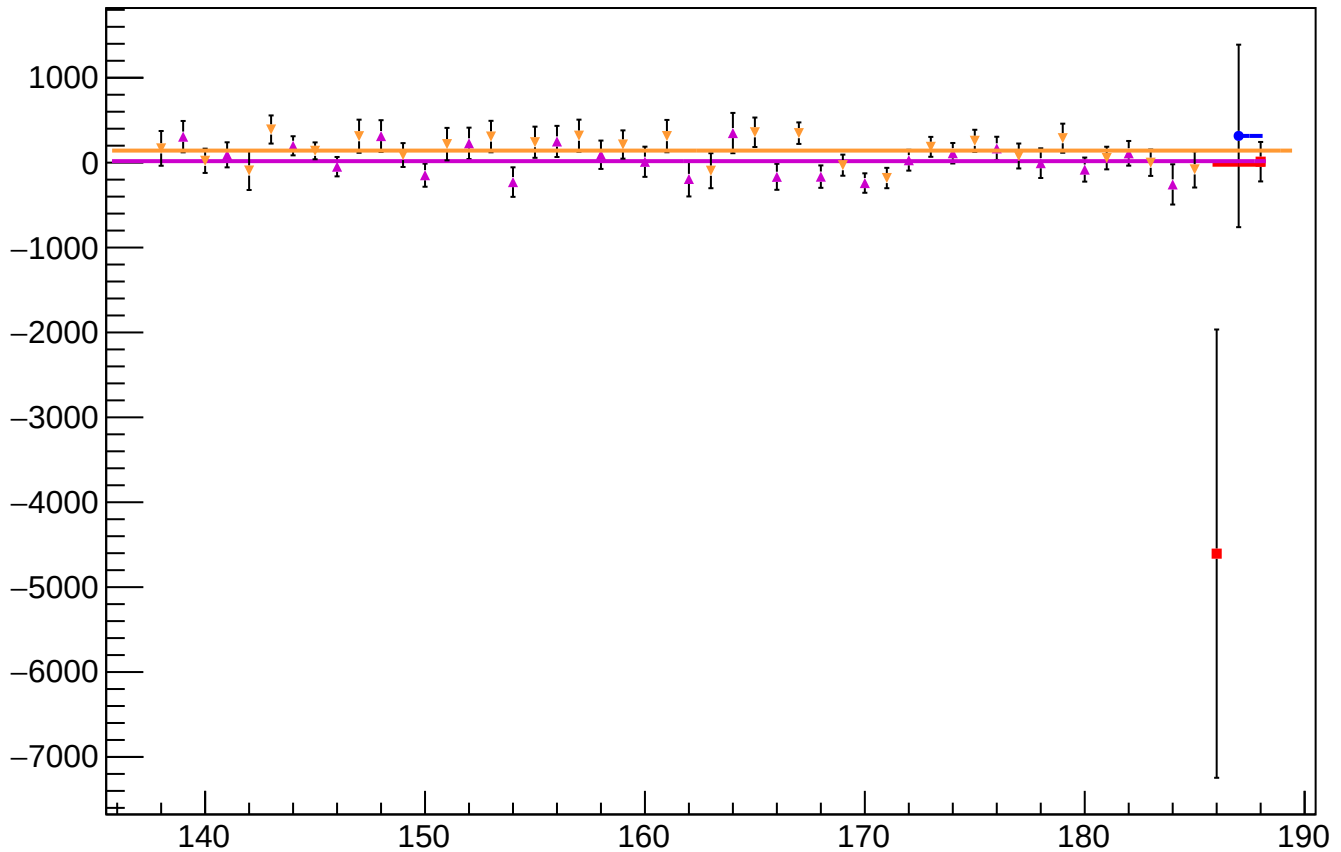
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF:1382861.4/22

+ sign 121.809 $\pm$ 0.021 χ^2 /NDF: 1857583.2/25

All: 122.197 $\pm$ 0.015 χ^2 /NDF: 4156354.7/50

- sign 122.593 $\pm$ 0.021 χ^2 /NDF: 2298052.7/24

asym_sam_37_26_dd_mean vs Slug



Right In: 314.856 $\pm$ 1074.786 χ^2 /NDF: 0.0/0

Left Out: 142.014 $\pm$ 30.574 χ^2 /NDF: 26.9/24

Right Out: -24.181 $\pm$ 231.516 χ^2 /NDF: 3.0/1

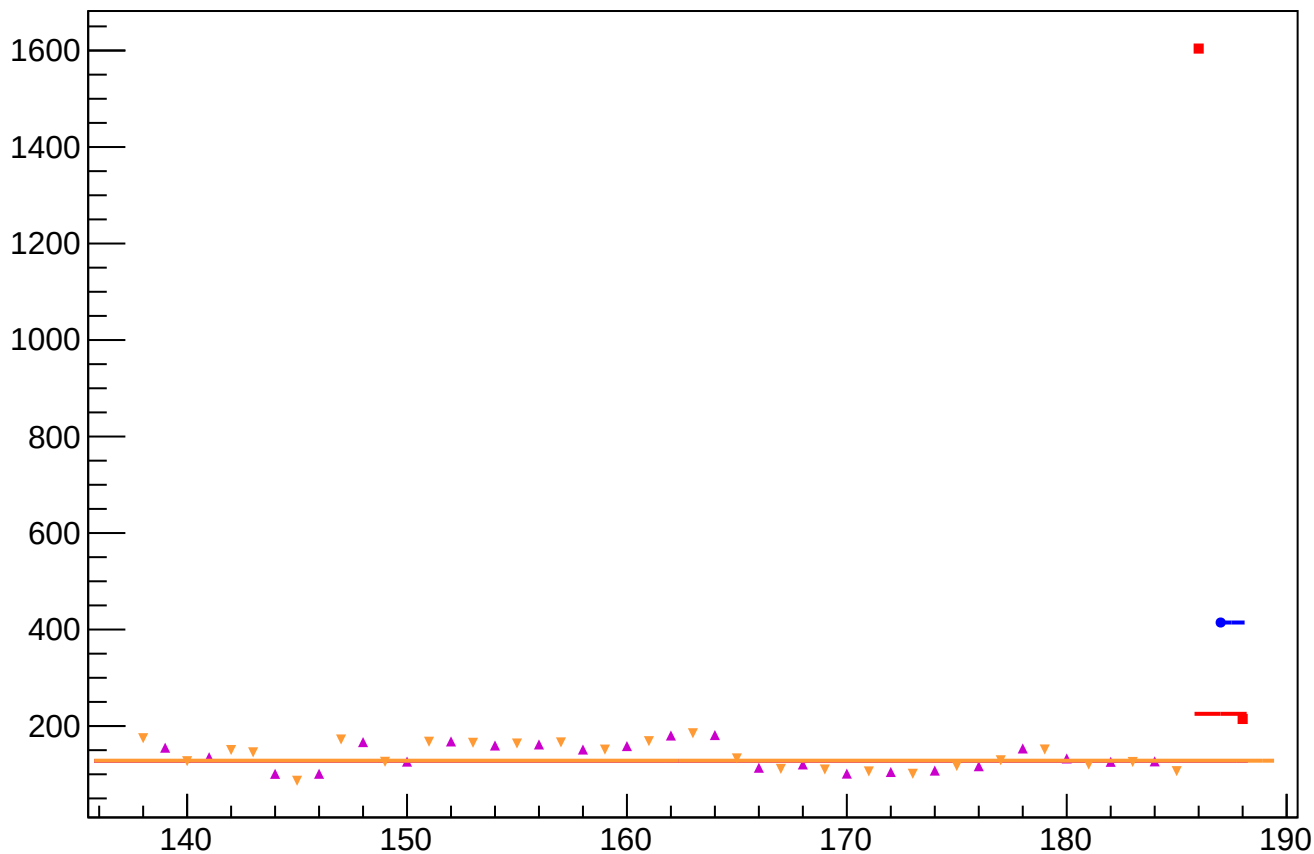
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 142.154 $\pm$ 30.562 χ^2 /NDF: 26.9/25

All: 80.290 $\pm$ 21.739 χ^2 /NDF: 68.4/50

- sign 16.932 $\pm$ 30.929 χ^2 /NDF: 33.2/24

asym_sam_37_26_dd_rms vs Slug



Right In: 414.557 $\pm$ 0.760 χ^2 /NDF: 0.0/0

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF: 1532922.0/24

Right Out: 225.326 $\pm$ 0.164 χ^2 /NDF: 549610.5/1

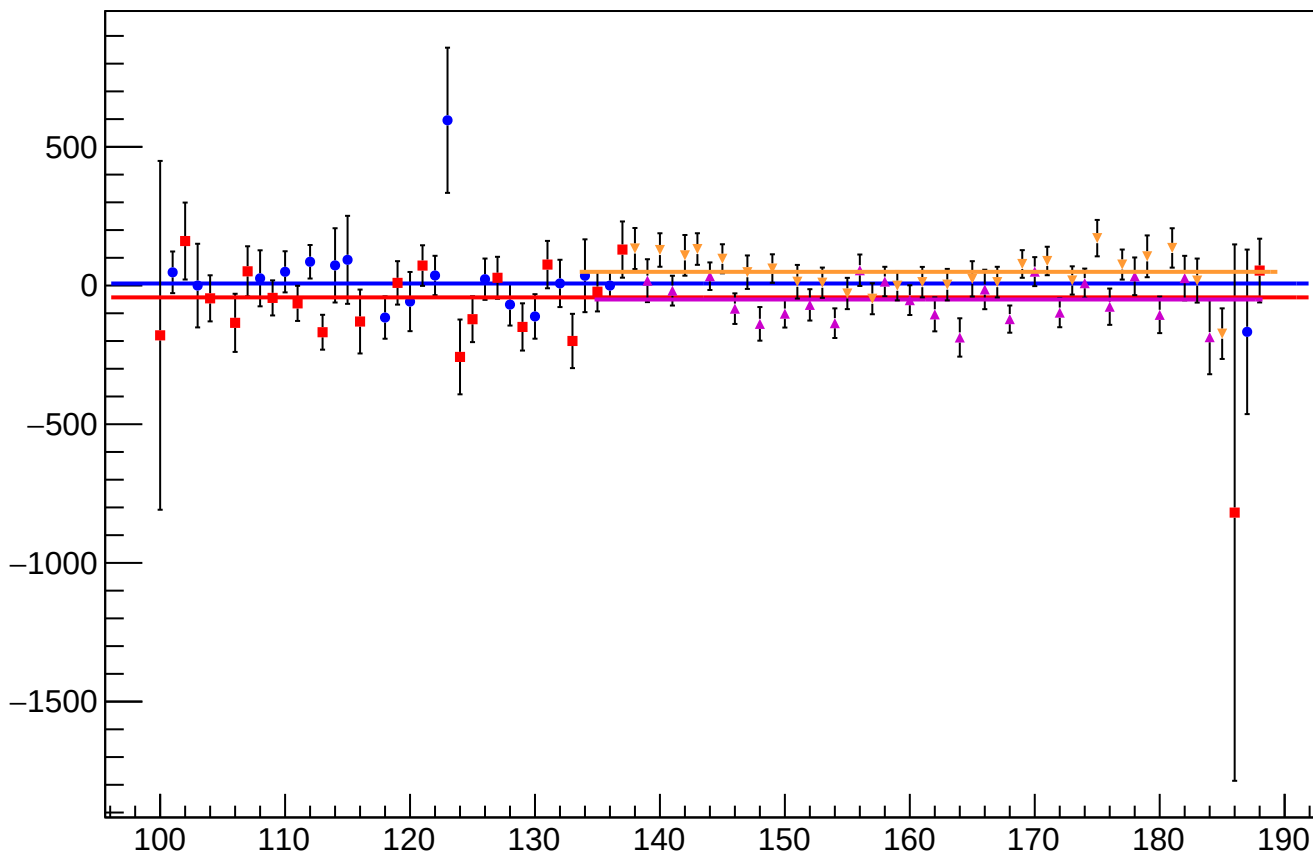
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF: 1235705.3/22

+ sign 128.407 $\pm$ 0.022 χ^2 /NDF: 1674803.7/25

All: 128.843 $\pm$ 0.015 χ^2 /NDF: 3811345.5/50

- sign 129.289 $\pm$ 0.022 χ^2 /NDF: 2135718.6/24

reg_asym_sam_1357_avg_mean vs Slug



Right In: 7.370 ± 20.139 $\chi^2/\text{NDF}: 14.7/17$

Left Out: 49.402 ± 11.806 $\chi^2/\text{NDF}: 28.1/24$

Right Out: -42.680 ± 19.182 $\chi^2/\text{NDF}: 26.3/20$

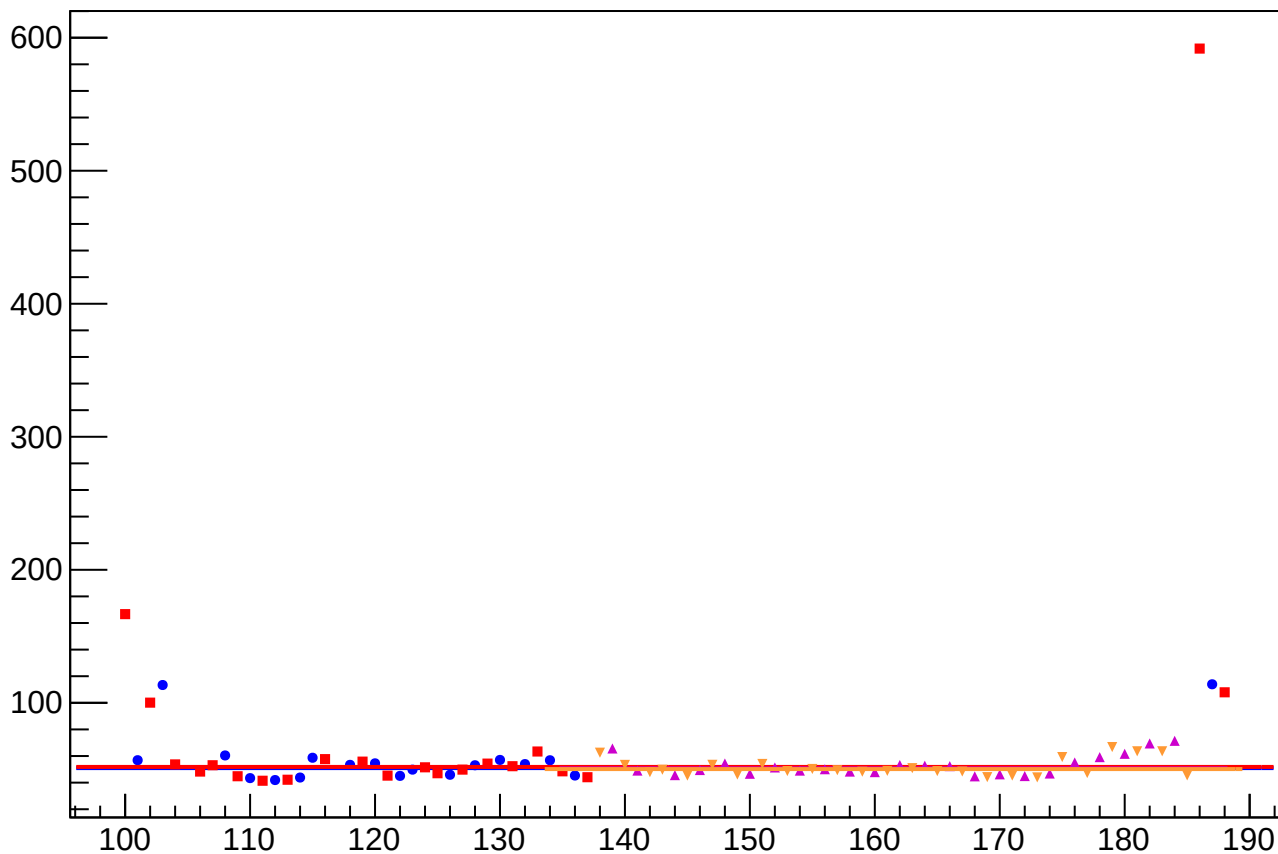
Left In: -50.331 ± 12.253 $\chi^2/\text{NDF}: 32.2/22$

+ sign 38.652 ± 10.185 $\chi^2/\text{NDF}: 46.0/42$

All: -4.132 ± 7.251 $\chi^2/\text{NDF}: 140.4/86$

- sign -48.114 ± 10.326 $\chi^2/\text{NDF}: 58.6/43$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.929 $\pm$ 0.014 χ^2 /NDF: 610973.5/17

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 51.806 $\pm$ 0.014 χ^2 /NDF: 1619392.9/20

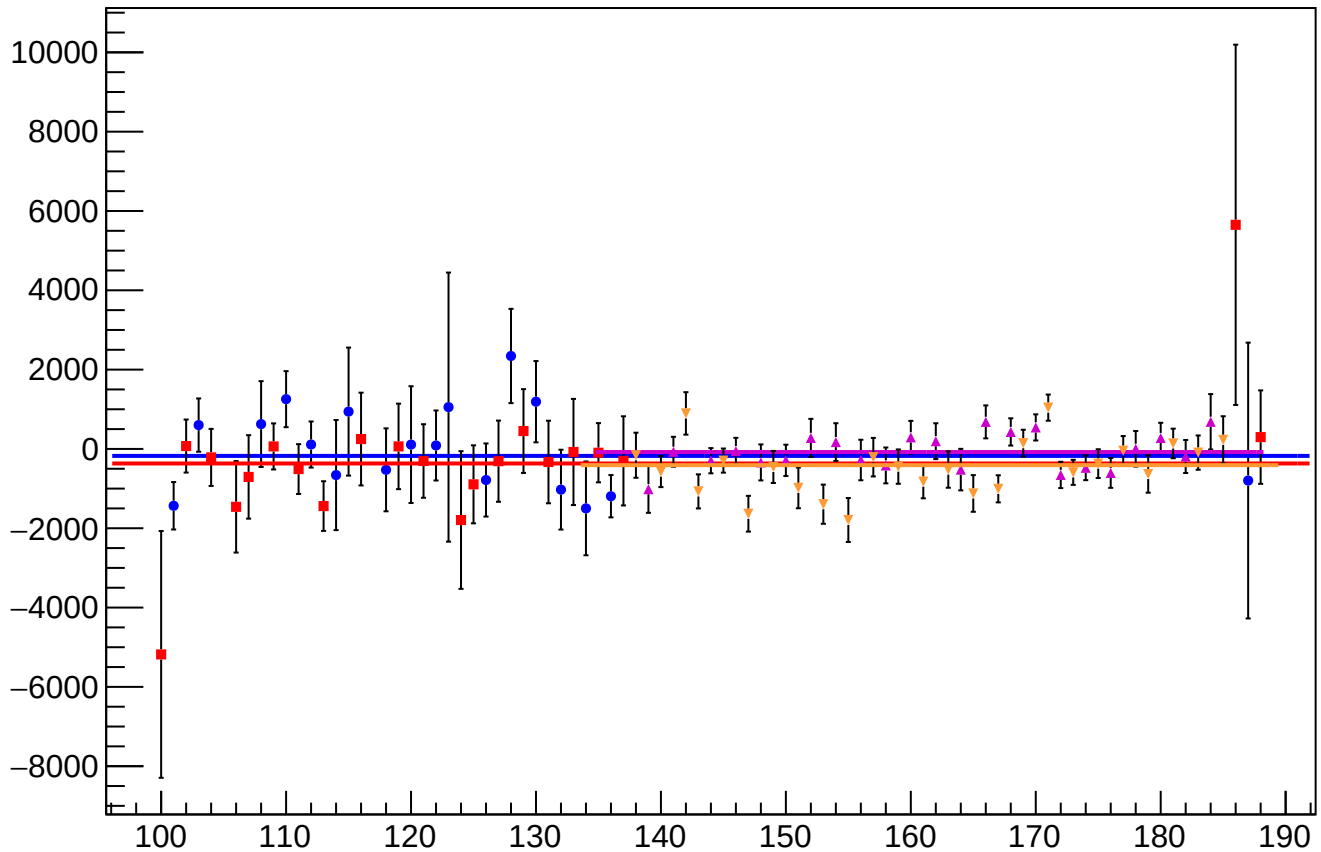
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 50.379 $\pm$ 0.007 χ^2 /NDF: 1080662.0/42

All: 50.689 $\pm$ 0.005 χ^2 /NDF: 3177988.5/86

- sign 51.009 $\pm$ 0.007 χ^2 /NDF: 2093554.2/43

asym_sam_1357_avg_correction_mean vs Slug



Right In: -175.653 ± 210.285 χ^2/NDF : 24.0/17

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -366.534 ± 200.852 χ^2/NDF : 11.7/20

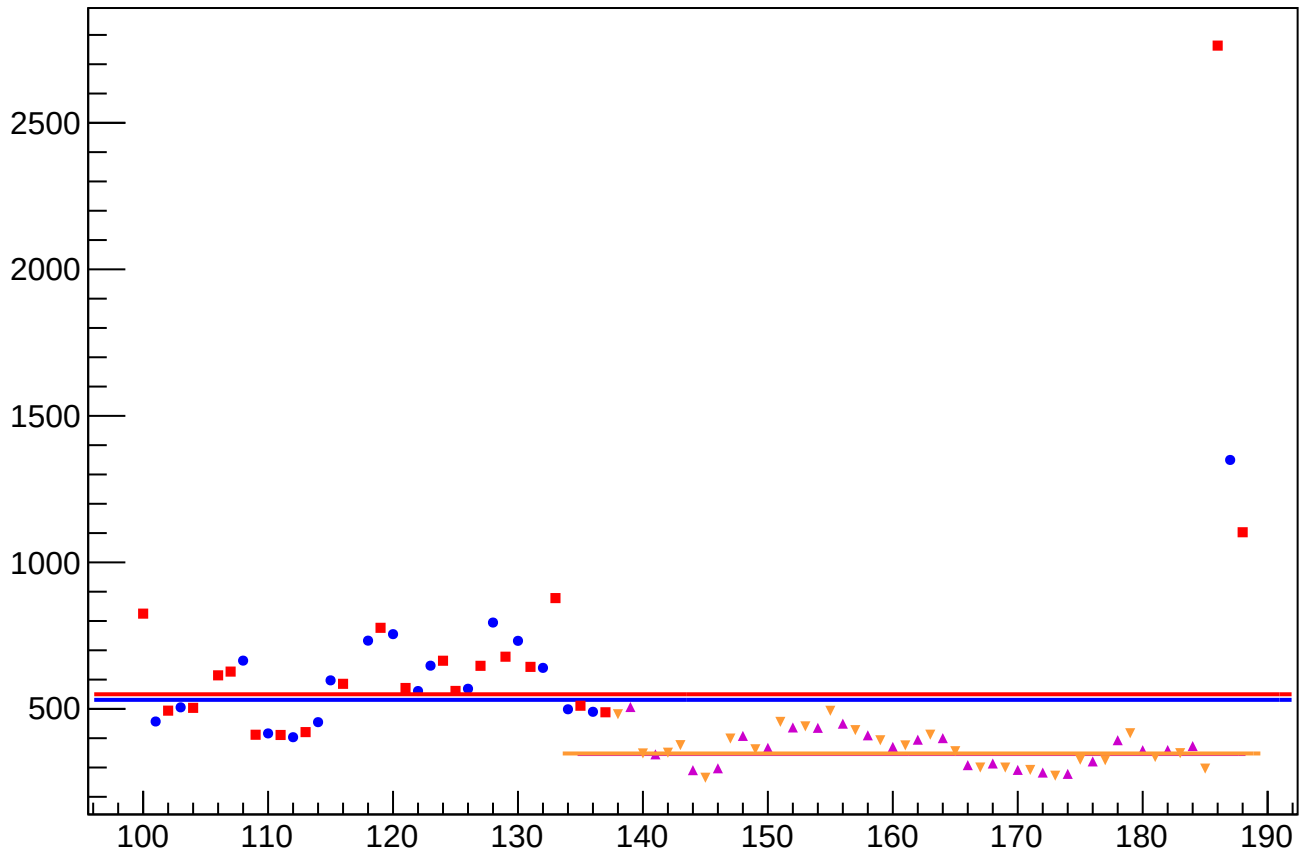
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -378.116 ± 76.679 χ^2/NDF : 86.7/42

All: -250.969 ± 54.526 χ^2/NDF : 130.5/86

- sign -120.908 ± 77.552 χ^2/NDF : 38.3/43

asym_sam_1357_avg_correction_rms vs Slug



Right In: 530.876 ± 0.149 $\chi^2/\text{NDF}: 674721.3/17$

Left Out: 347.875 ± 0.058 $\chi^2/\text{NDF}: 1044096.7/24$

Right Out: 549.940 ± 0.142 $\chi^2/\text{NDF}: 1562358.8/20$

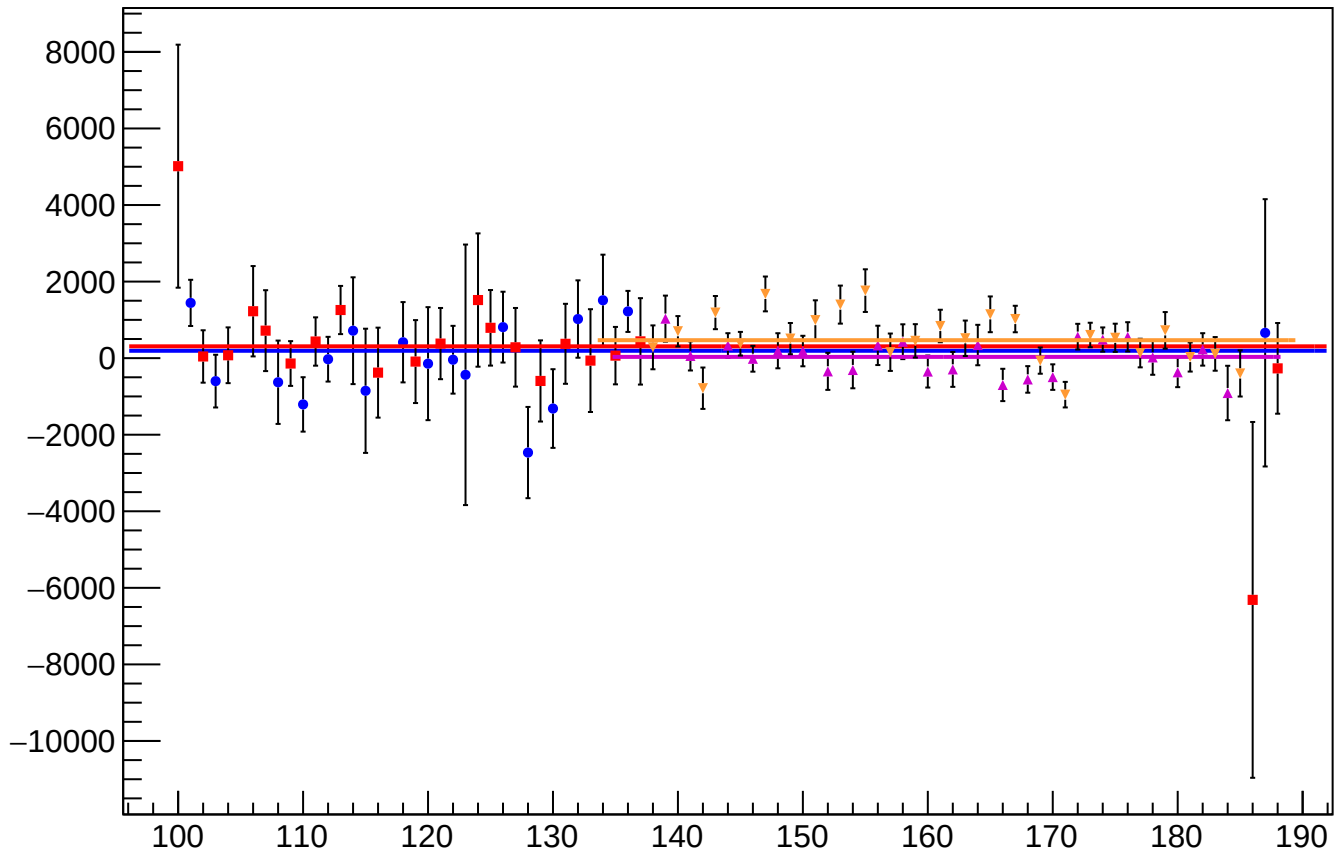
Left In: 345.954 ± 0.059 $\chi^2/\text{NDF}: 900847.0/22$

+ sign 372.207 ± 0.054 $\chi^2/\text{NDF}: 3032091.8/42$

All: 374.263 ± 0.039 $\chi^2/\text{NDF}: 7253554.0/86$

- sign 376.366 ± 0.055 $\chi^2/\text{NDF}: 4218554.5/43$

asym_sam_1357_avg_mean vs Slug



Right In: 192.689 $\pm$ 211.765 χ^2 /NDF: 24.2/17

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF: 57.5/24

Right Out: 308.776 $\pm$ 202.397 χ^2 /NDF: 10.5/20

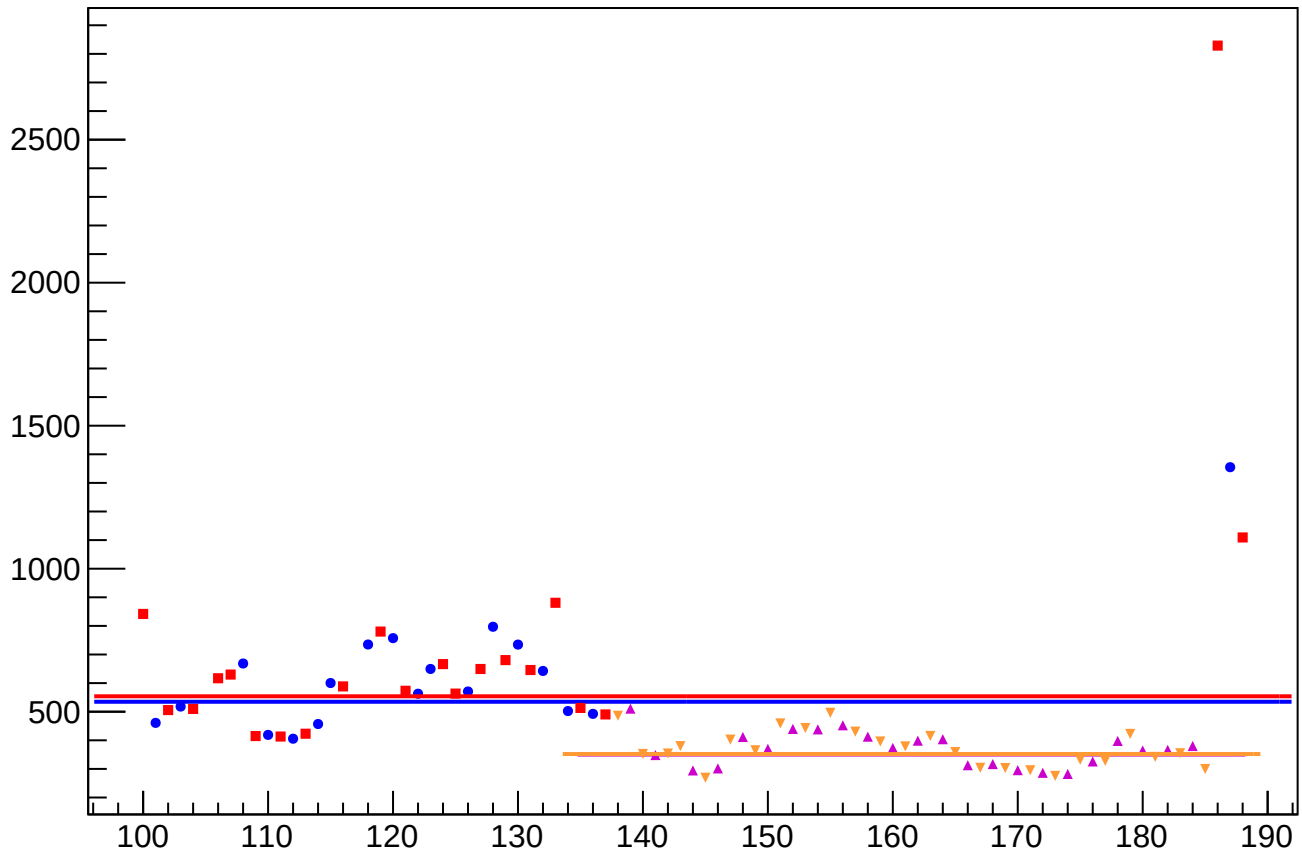
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 431.860 $\pm$ 77.515 χ^2 /NDF: 83.1/42

All: 255.119 $\pm$ 55.128 χ^2 /NDF: 131.4/86

- sign 74.230 $\pm$ 78.419 χ^2 /NDF: 37.8/43

asym_sam_1357_avg_rms vs Slug



Right In: 534.794 ± 0.150 χ^2/NDF : 666744.2/17

Left Out: 352.015 ± 0.059 χ^2/NDF : 1017195.6/24

Right Out: 553.895 ± 0.143 χ^2/NDF : 1557961.8/20

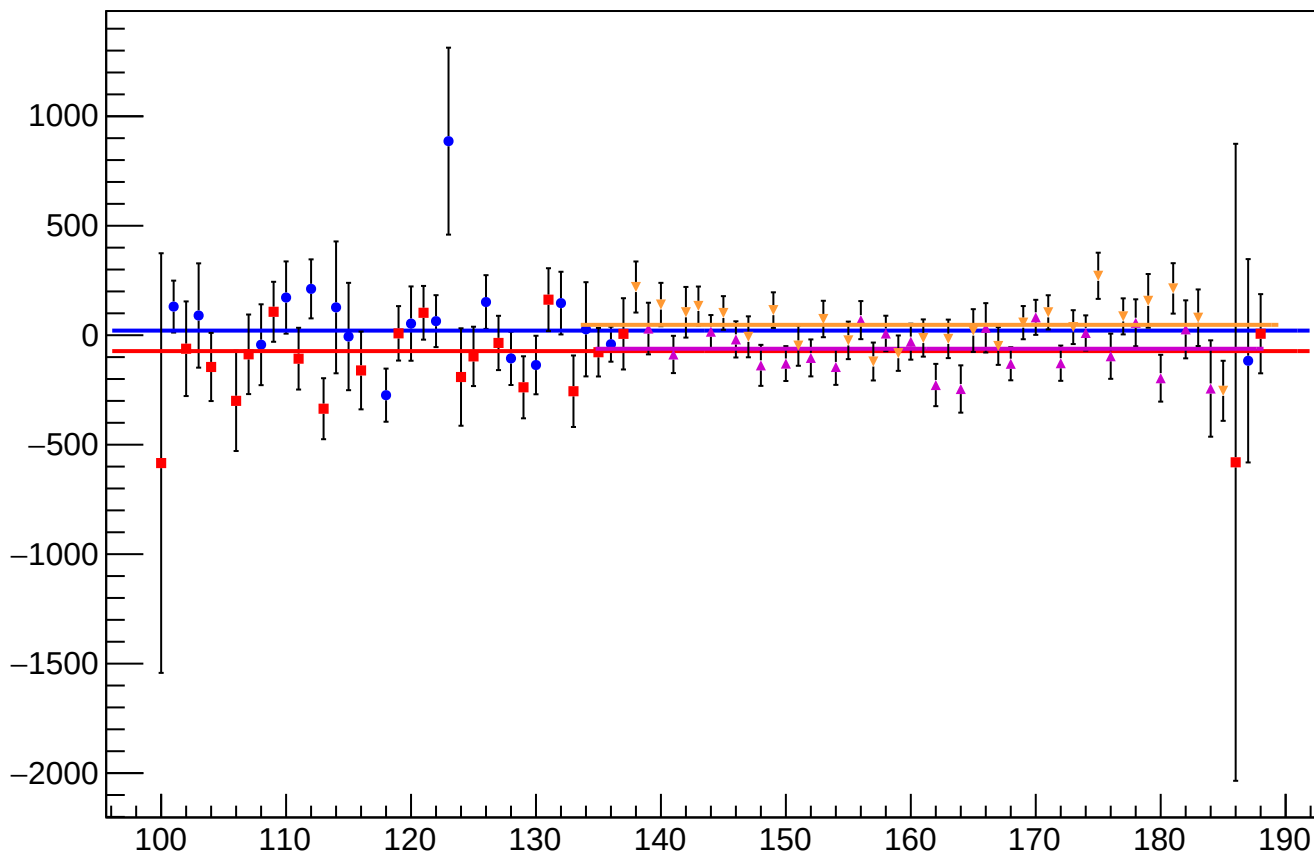
Left In: 350.160 ± 0.060 χ^2/NDF : 878380.0/22

+ sign 376.505 ± 0.055 χ^2/NDF : 2974273.2/42

All: 378.600 ± 0.039 χ^2/NDF : 7135870.2/86

- sign 380.745 ± 0.055 χ^2/NDF : 4158639.3/43

reg_asym_sam_2468_avg_mean vs Slug



Right In: 21.067 $\pm$ 34.542 χ^2 /NDF: 19.3/17

Left Out: 47.426 $\pm$ 18.253 χ^2 /NDF: 29.4/24

Right Out: -72.559 $\pm$ 34.164 χ^2 /NDF: 15.8/20

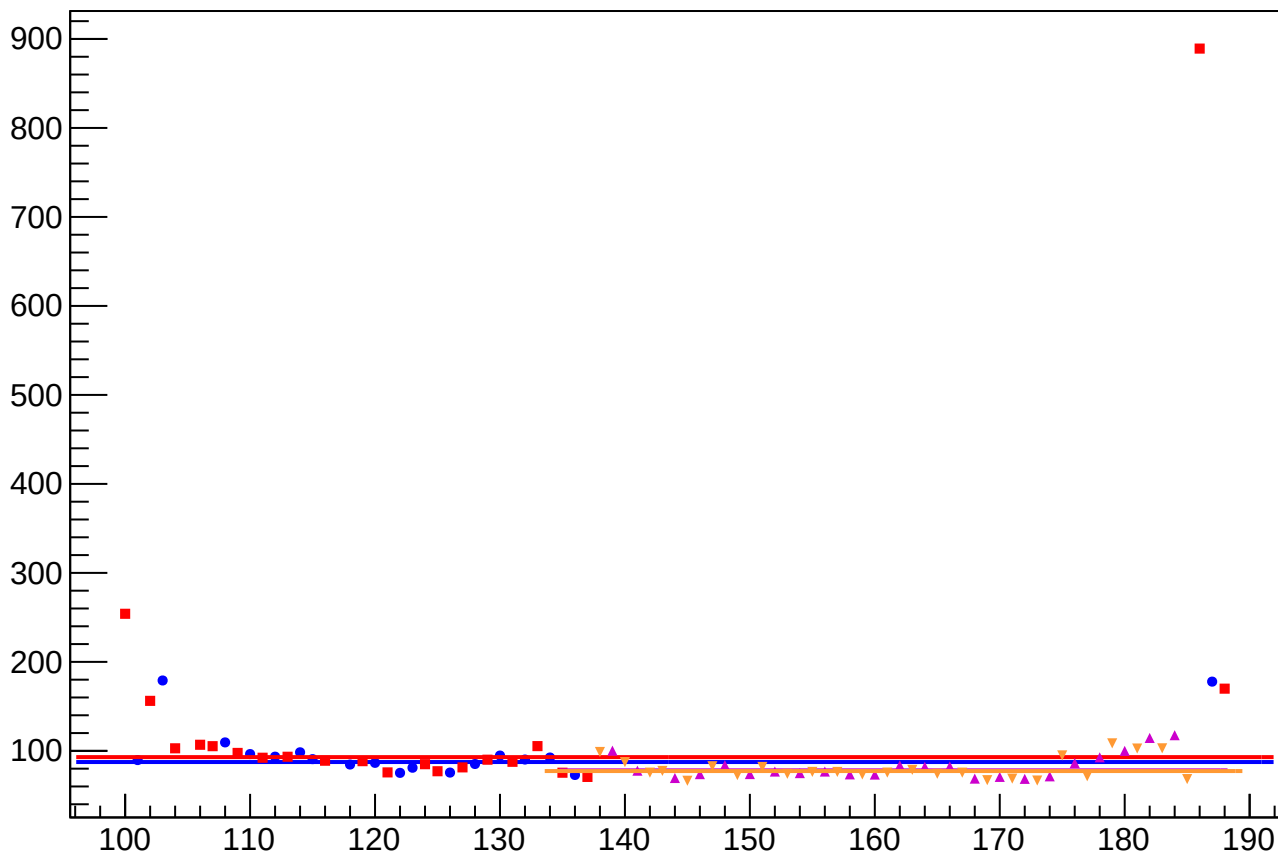
Left In: -61.830 $\pm$ 18.958 χ^2 /NDF: 24.0/22

+ sign 41.672 $\pm$ 16.138 χ^2 /NDF: 49.1/42

All: -9.921 $\pm$ 11.563 χ^2 /NDF: 110.0/86

- sign -64.356 $\pm$ 16.577 χ^2 /NDF: 39.8/43

reg_asym_sam_2468_avg_rms vs Slug



Right In: 87.452 $\pm$ 0.024 χ^2 /NDF: 529760.0/17

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF: 635622.3/24

Right Out: 92.978 $\pm$ 0.024 χ^2 /NDF: 1408242.5/20

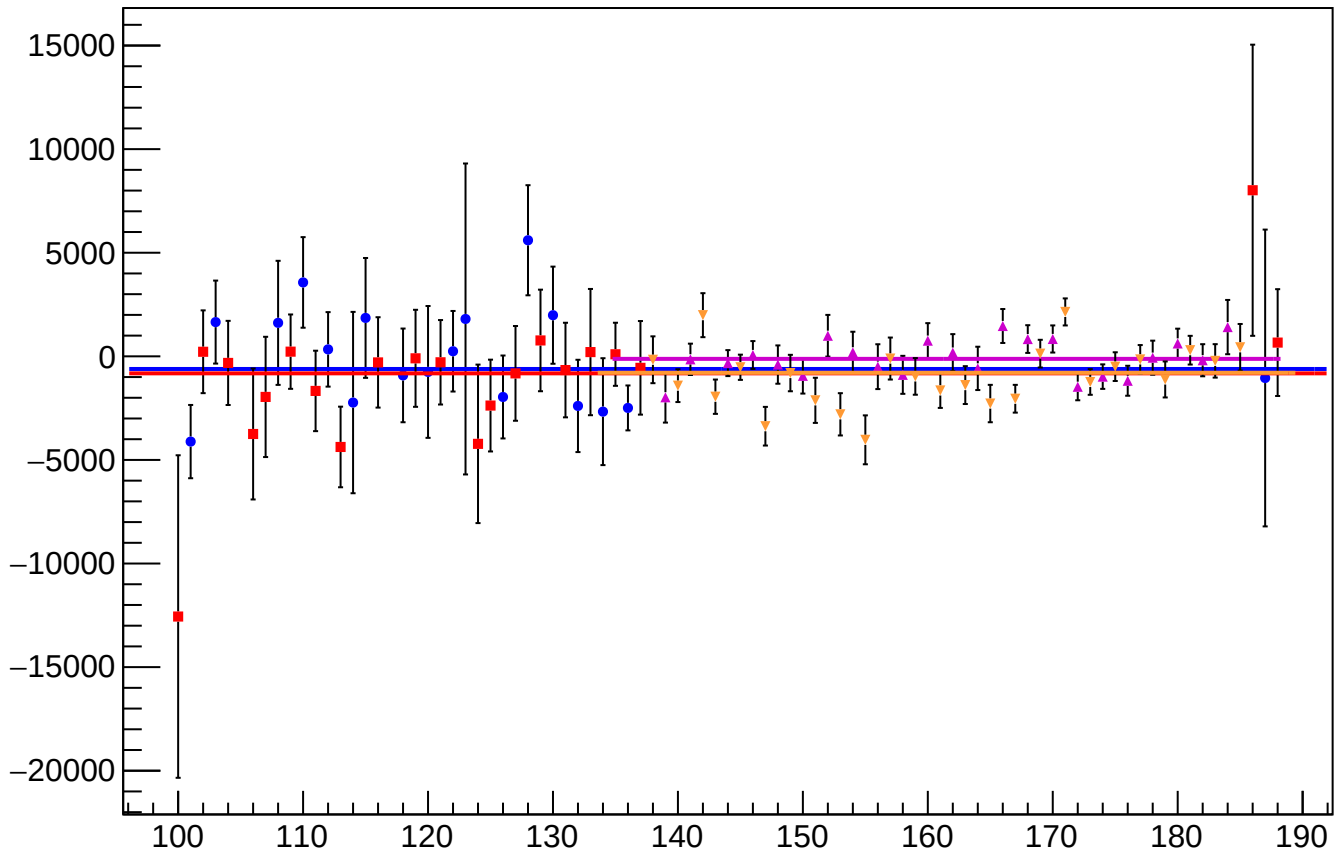
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

+ sign 79.529 $\pm$ 0.011 χ^2 /NDF: 1299992.3/42

All: 80.552 $\pm$ 0.008 χ^2 /NDF: 3595364.5/86

- sign 81.632 $\pm$ 0.012 χ^2 /NDF: 2278836.6/43

asym_sam_2468_avg_correction_mean vs Slug



Right In: -609.981 ± 516.869 χ^2/NDF : 22.3/17

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -820.904 ± 504.447 χ^2/NDF : 11.8/20

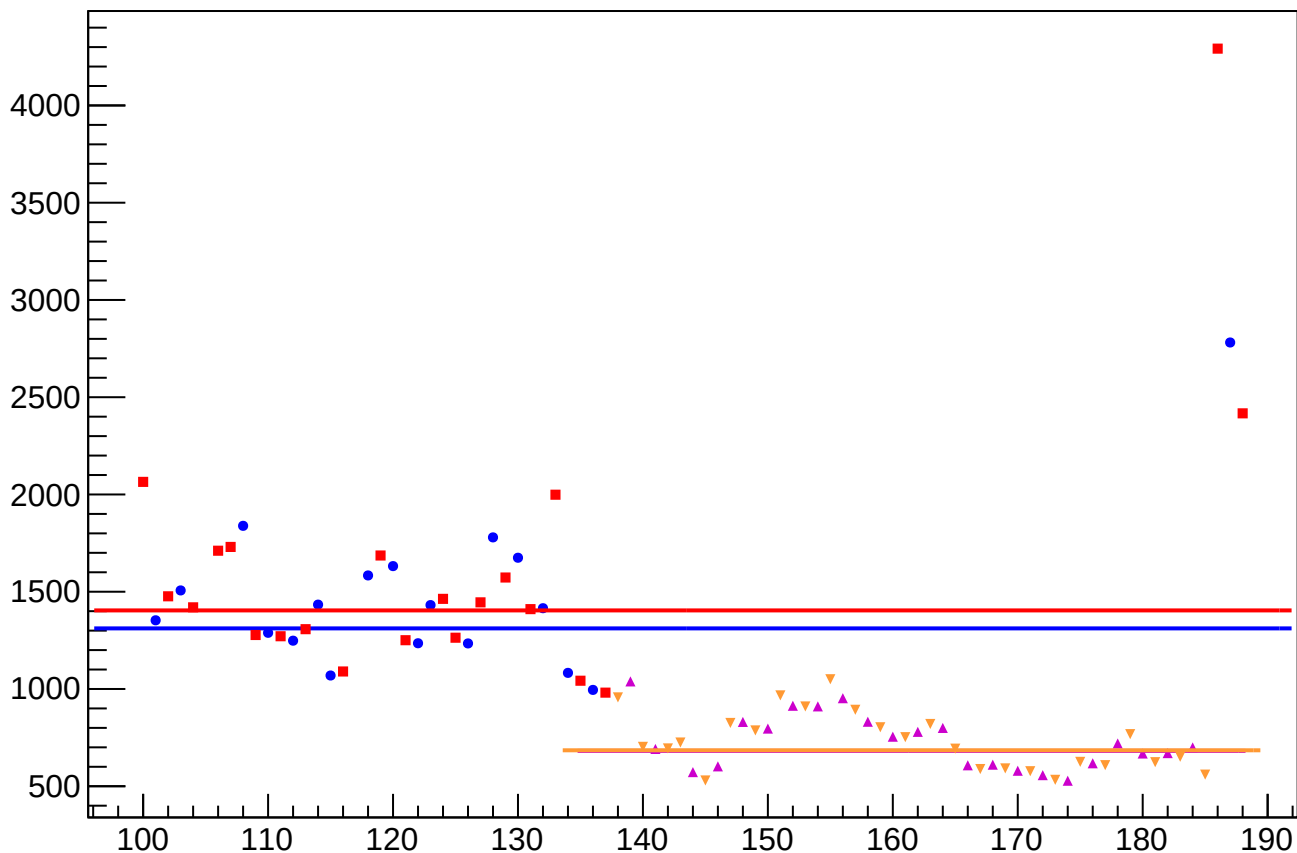
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -776.304 ± 155.157 χ^2/NDF : 89.0/42

All: -488.491 ± 110.652 χ^2/NDF : 135.5/86

- sign -190.611 ± 157.848 χ^2/NDF : 39.5/43

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1311.505 ± 0.365 $\chi^2/\text{NDF}: 540698.3/17$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

+ sign 741.260 ± 0.110 $\chi^2/\text{NDF}: 4496341.0/42$

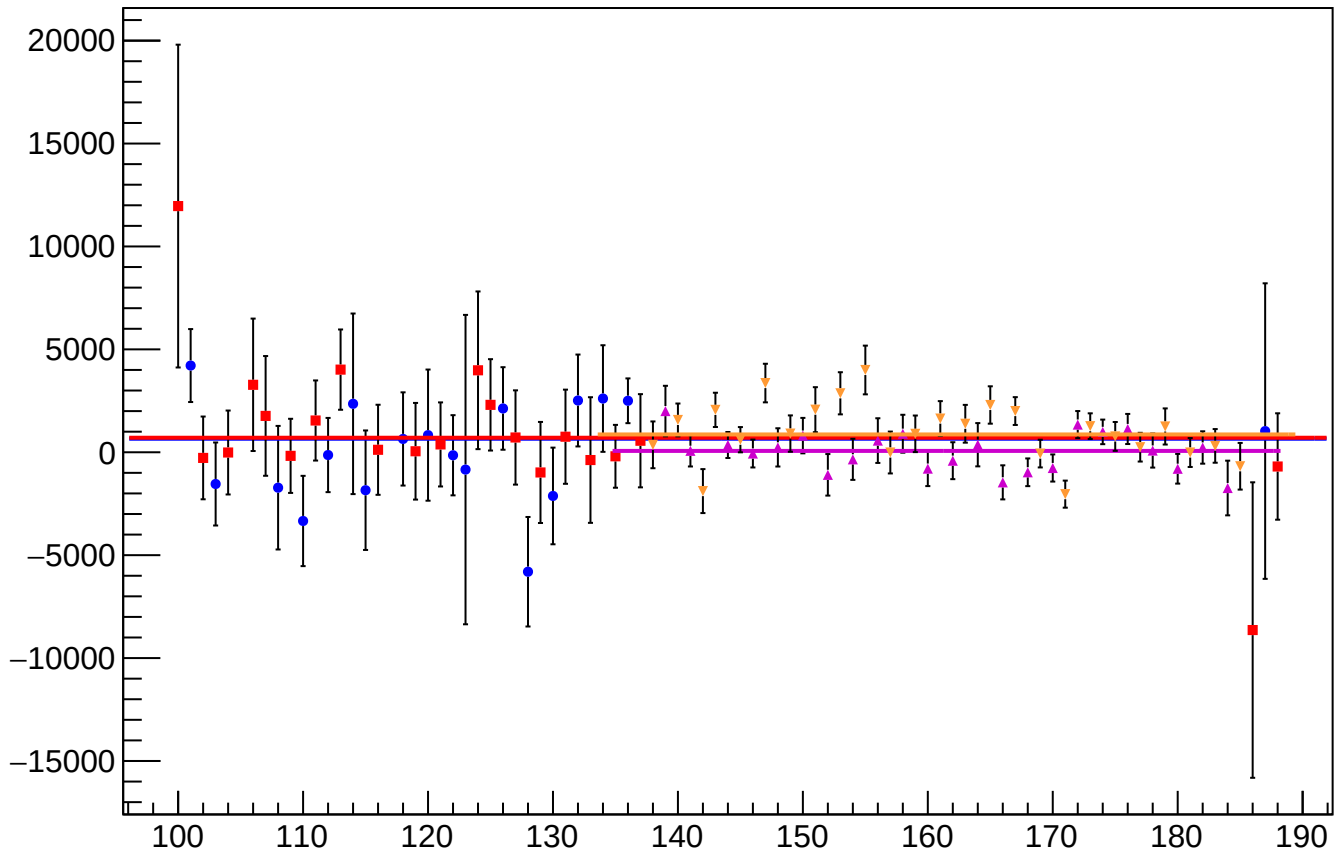
Right Out: 1403.949 ± 0.357 $\chi^2/\text{NDF}: 1092009.2/20$

All: 746.748 ± 0.078 $\chi^2/\text{NDF}: 10411410.9/80$

Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

- sign 752.429 ± 0.112 $\chi^2/\text{NDF}: 5909976.9/43$

asym_sam_2468_avg_mean vs Slug



Right In: 657.725 $\pm$ 518.339 χ^2 /NDF: 22.4/17

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF:62.8/24

Right Out: 705.779 $\pm$ 506.157 χ^2 /NDF: 10.9/20

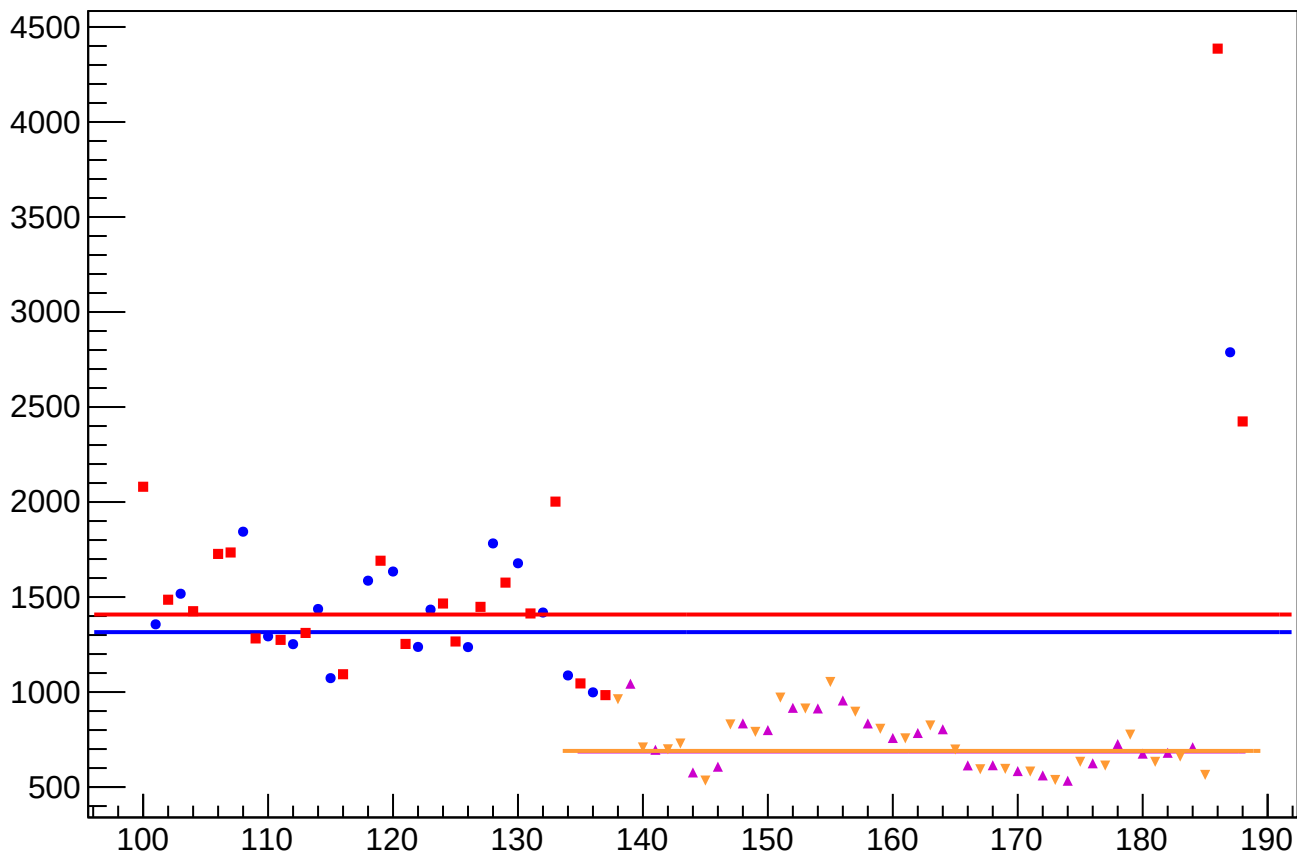
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF:26.4/22

+ sign 846.705 $\pm$ 156.261 χ^2 /NDF: 85.4/42

All: 494.134 $\pm$ 111.451 χ^2 /NDF: 134.5/86

- sign 129.069 $\pm$ 159.006 χ^2 /NDF: 38.7/43

asym_sam_2468_avg_rms vs Slug



Right In: 1315.300 ± 0.367 $\chi^2/\text{NDF}: 539736.1/17$

Left Out: 690.166 ± 0.116 $\chi^2/\text{NDF}: 1258158.2/24$

Right Out: 1407.951 ± 0.358 $\chi^2/\text{NDF}: 1099253.6/20$

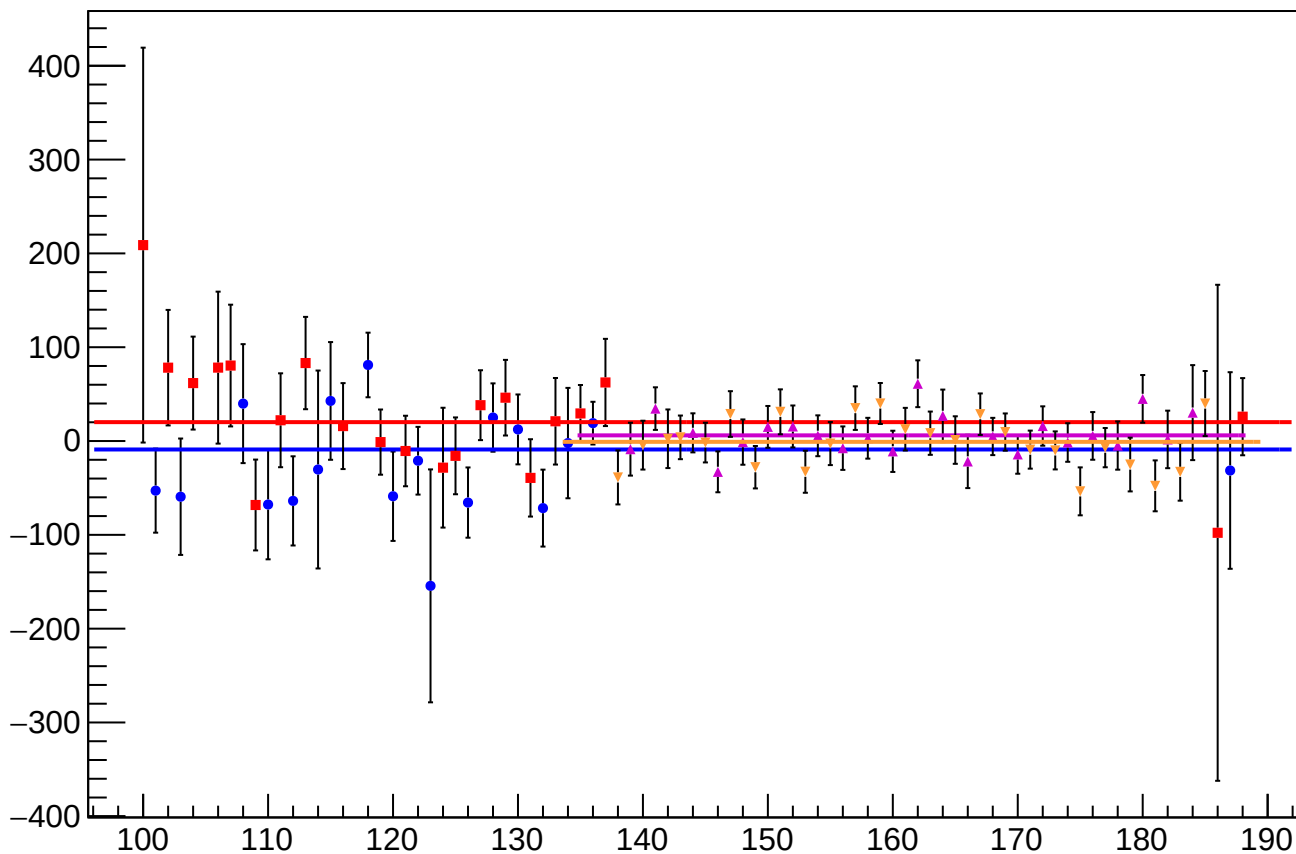
Left In: 687.216 ± 0.118 $\chi^2/\text{NDF}: 1099706.1/22$

+ sign 746.979 ± 0.110 $\chi^2/\text{NDF}: 4442553.4/42$

All: 752.562 ± 0.079 $\chi^2/\text{NDF}: 10301699.5/80$

- sign 758.343 ± 0.112 $\chi^2/\text{NDF}: 5853949.8/43$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.010 ± 10.371 χ^2/NDF : 22.1/17

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 20.140 ± 10.139 χ^2/NDF : 15.0/20

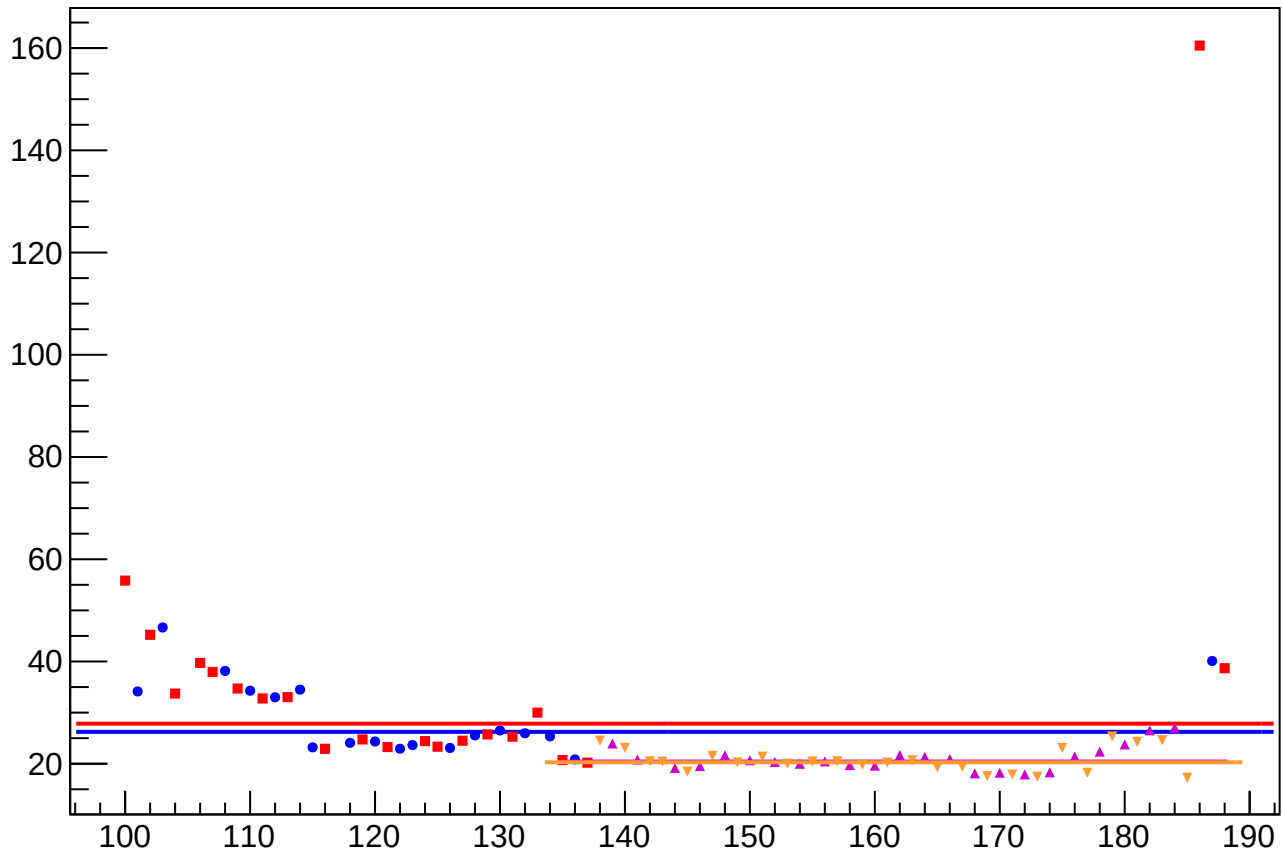
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -2.279 ± 4.326 χ^2/NDF : 50.5/42

All: 3.096 ± 3.095 χ^2/NDF : 87.2/86

- sign 8.733 ± 4.430 χ^2/NDF : 33.5/43

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.237 ± 0.007 $\chi^2/\text{NDF}: 636872.9/17$

Left Out: 20.279 ± 0.003 $\chi^2/\text{NDF}: 407056.4/24$

Right Out: 27.845 ± 0.007 $\chi^2/\text{NDF}: 1335502.5/20$

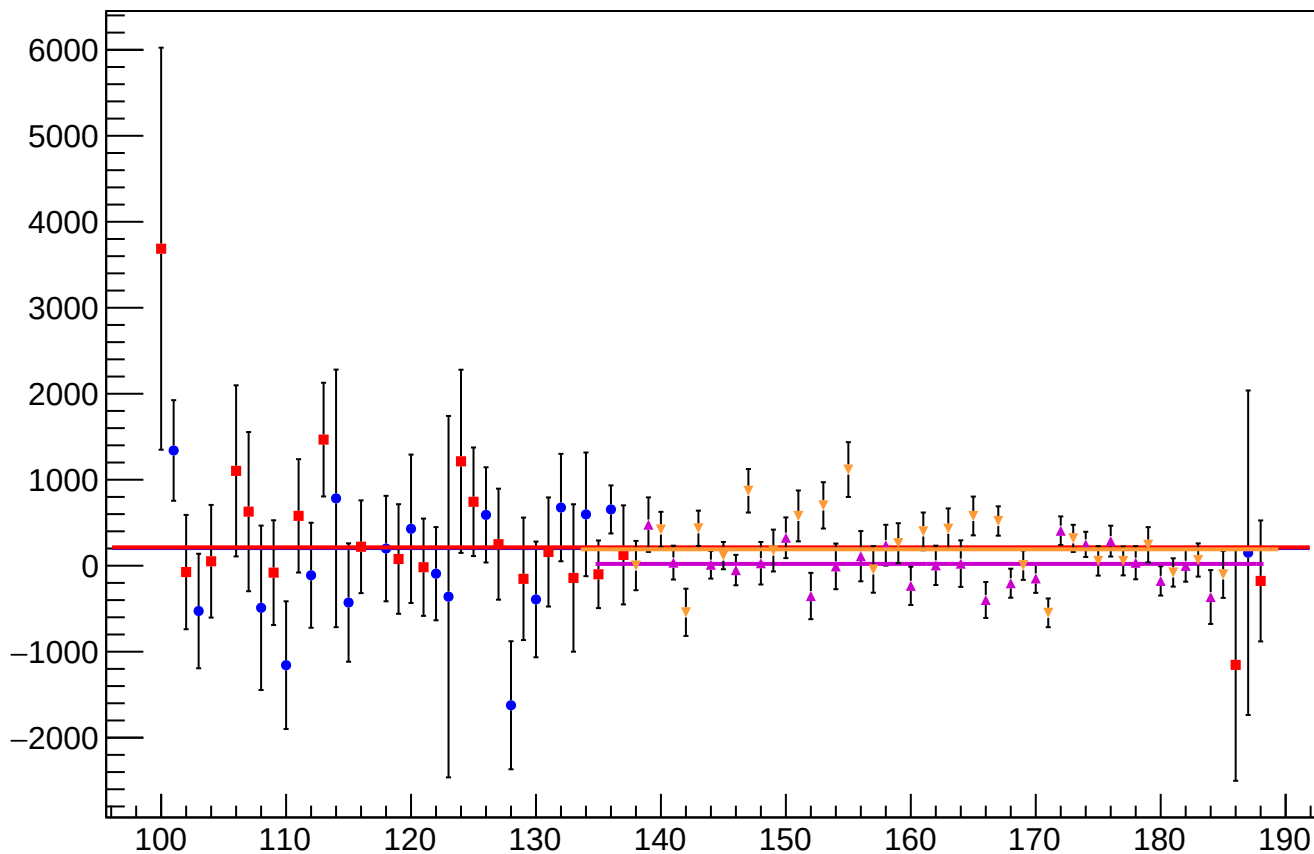
Left In: 20.424 ± 0.003 $\chi^2/\text{NDF}: 323427.4/22$

+ sign 21.316 ± 0.003 $\chi^2/\text{NDF}: 1589036.5/42$

All: 21.572 ± 0.002 $\chi^2/\text{NDF}: 4129327.5/86$

- sign 21.841 ± 0.003 $\chi^2/\text{NDF}: 2525925.4/43$

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 205.270 $\pm$ 147.741 χ^2 /NDF: 21.3/17

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: 213.568 $\pm$ 146.015 χ^2 /NDF: 11.8/20

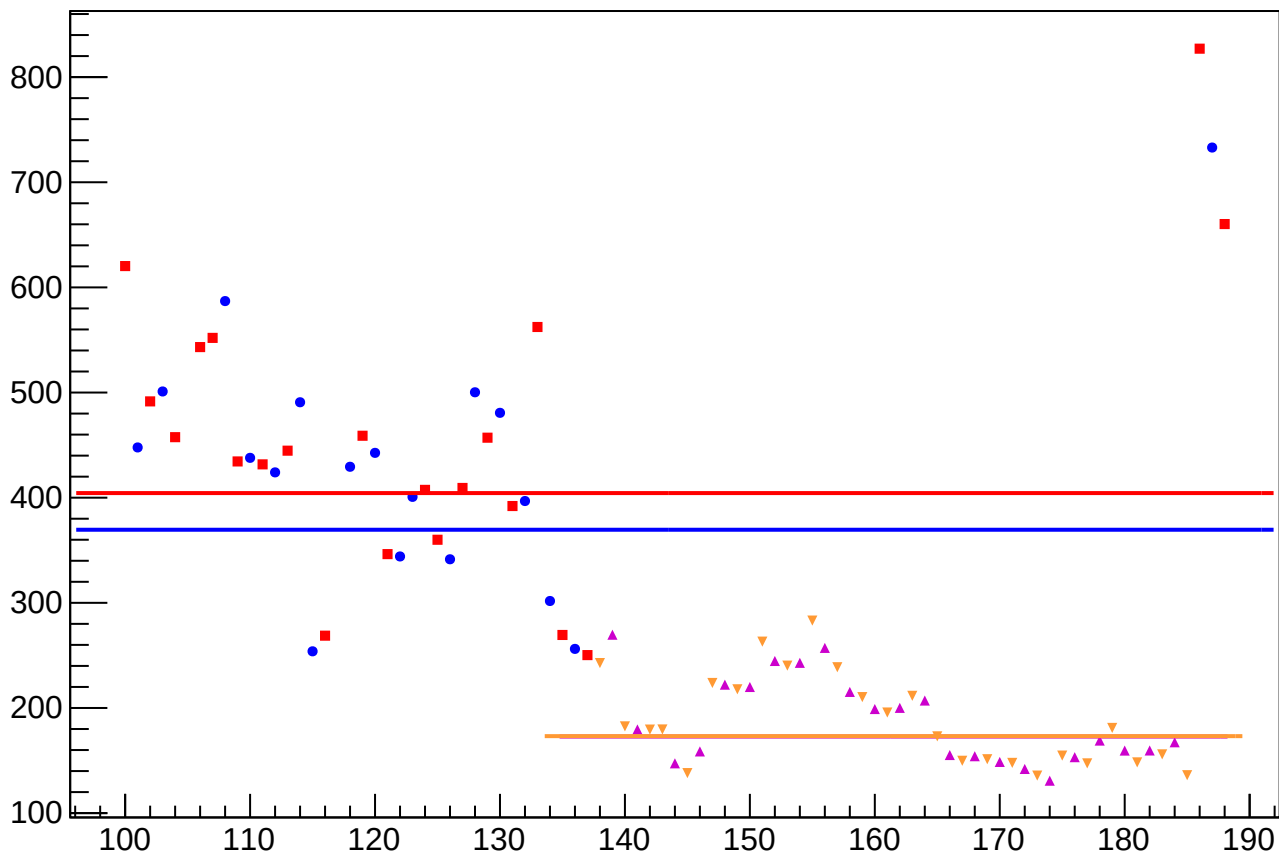
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

+ sign 191.912 $\pm$ 39.787 χ^2 /NDF: 89.2/42

All: 115.524 $\pm$ 28.424 χ^2 /NDF: 137.9/86

- sign 35.902 $\pm$ 40.621 χ^2 /NDF: 41.2/43

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 369.514 $\pm$ 0.104 χ^2 /NDF: 904253.5/17

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF: 1561250.6/24

Right Out: 404.384 $\pm$ 0.103 χ^2 /NDF: 1261320.0/20

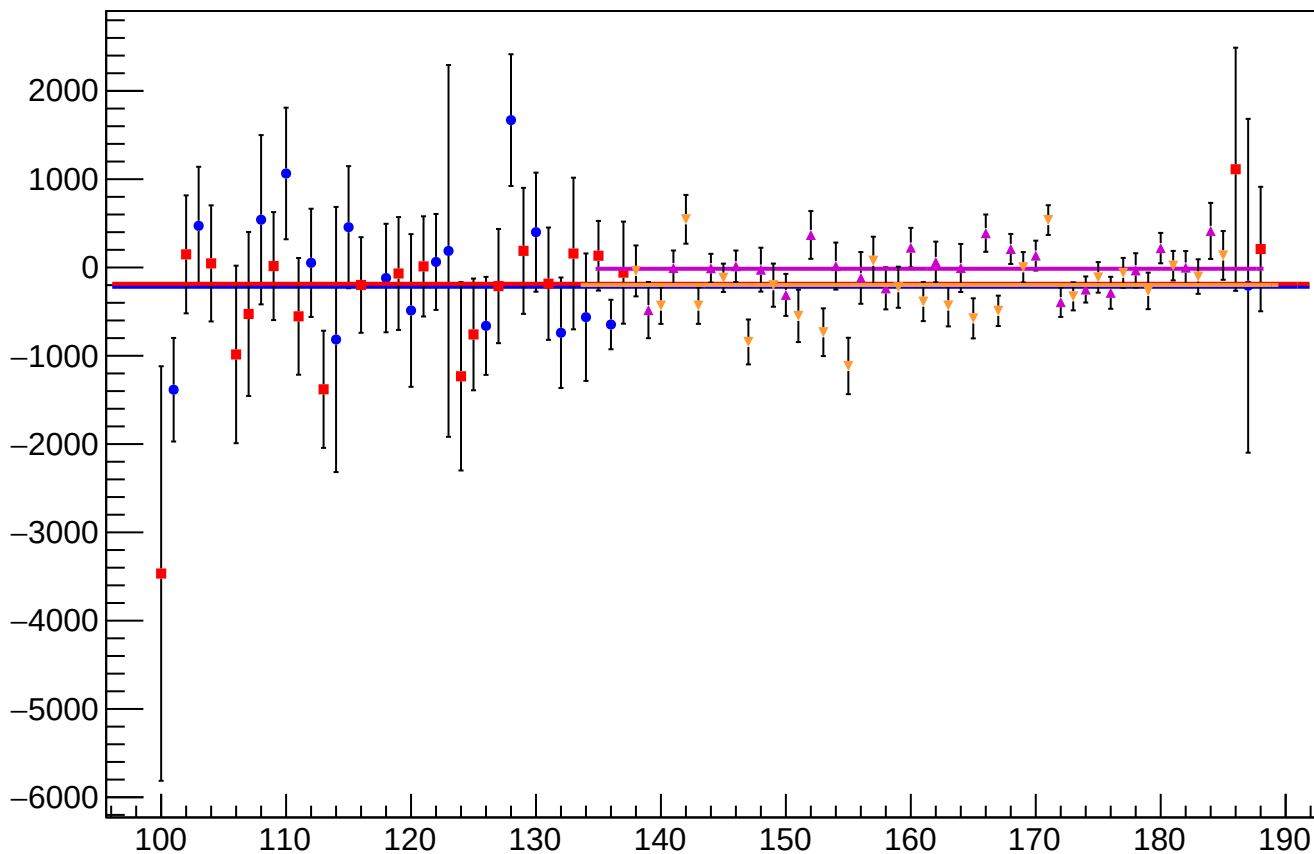
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF: 1372131.7/22

+ sign 187.447 $\pm$ 0.028 χ^2 /NDF: 5740324.2/42

All: 189.064 $\pm$ 0.020 χ^2 /NDF: 13020969.9/80

- sign 190.749 $\pm$ 0.029 χ^2 /NDF: 7273901.6/43

asym_sam_1357_2468_dd_mean vs Slug



Right In: -218.401 $\pm$ 148.171 χ^2 /NDF: 21.5/17

Left Out: -197.918 $\pm$ 41.638 χ^2 /NDF: 64.3/24

Right Out: -184.427 $\pm$ 146.477 χ^2 /NDF: 11.0/20

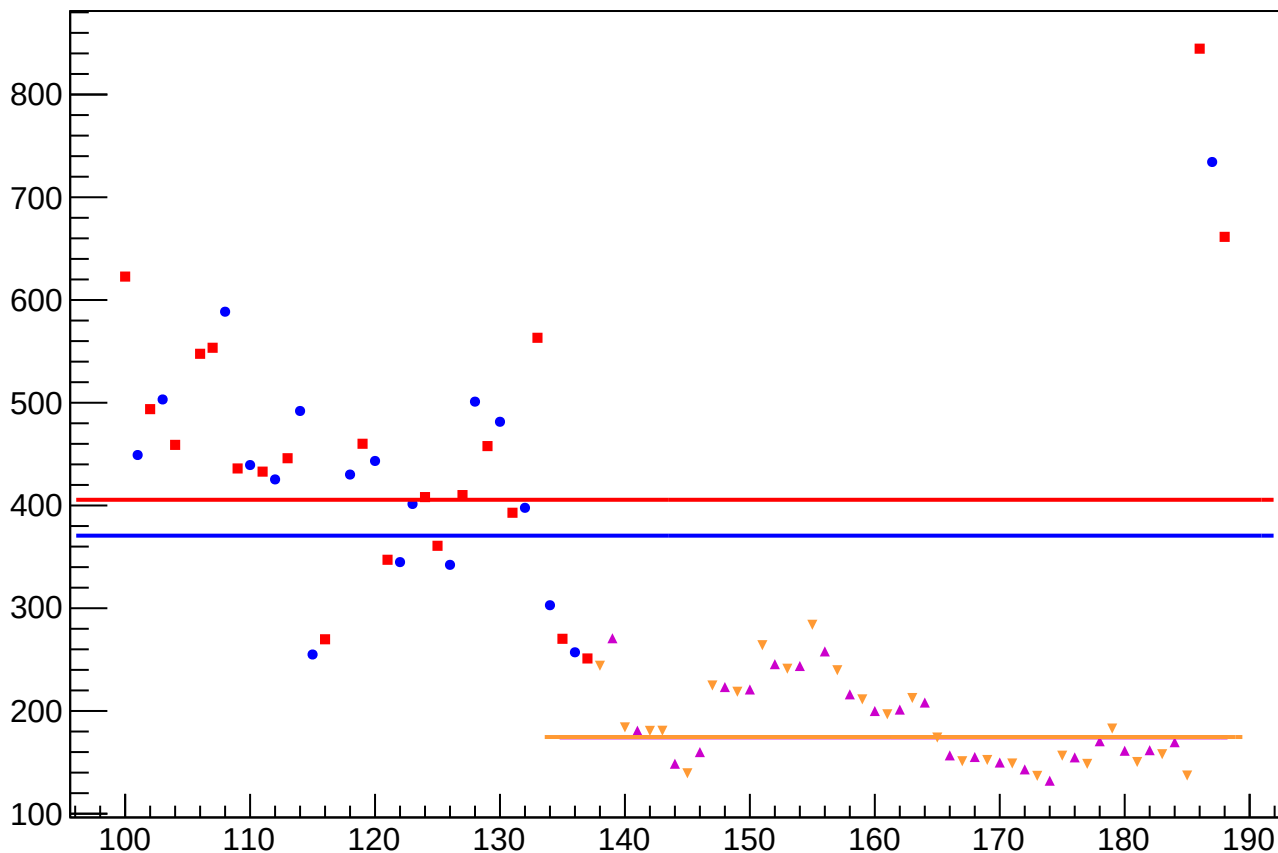
Left In: -14.616 $\pm$ 42.629 χ^2 /NDF: 27.7/22

+ sign -199.417 $\pm$ 40.085 χ^2 /NDF: 85.8/42

All: -115.437 $\pm$ 28.639 χ^2 /NDF: 134.7/86

- sign -27.875 $\pm$ 40.931 χ^2 /NDF: 40.0/43

asym_sam_1357_2468_dd_rms vs Slug



Right In: 370.640 $\pm$ 0.105 χ^2 /NDF: 901435.6/17

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF: 1531999.5/24

Right Out: 405.556 $\pm$ 0.104 χ^2 /NDF: 1267424.5/20

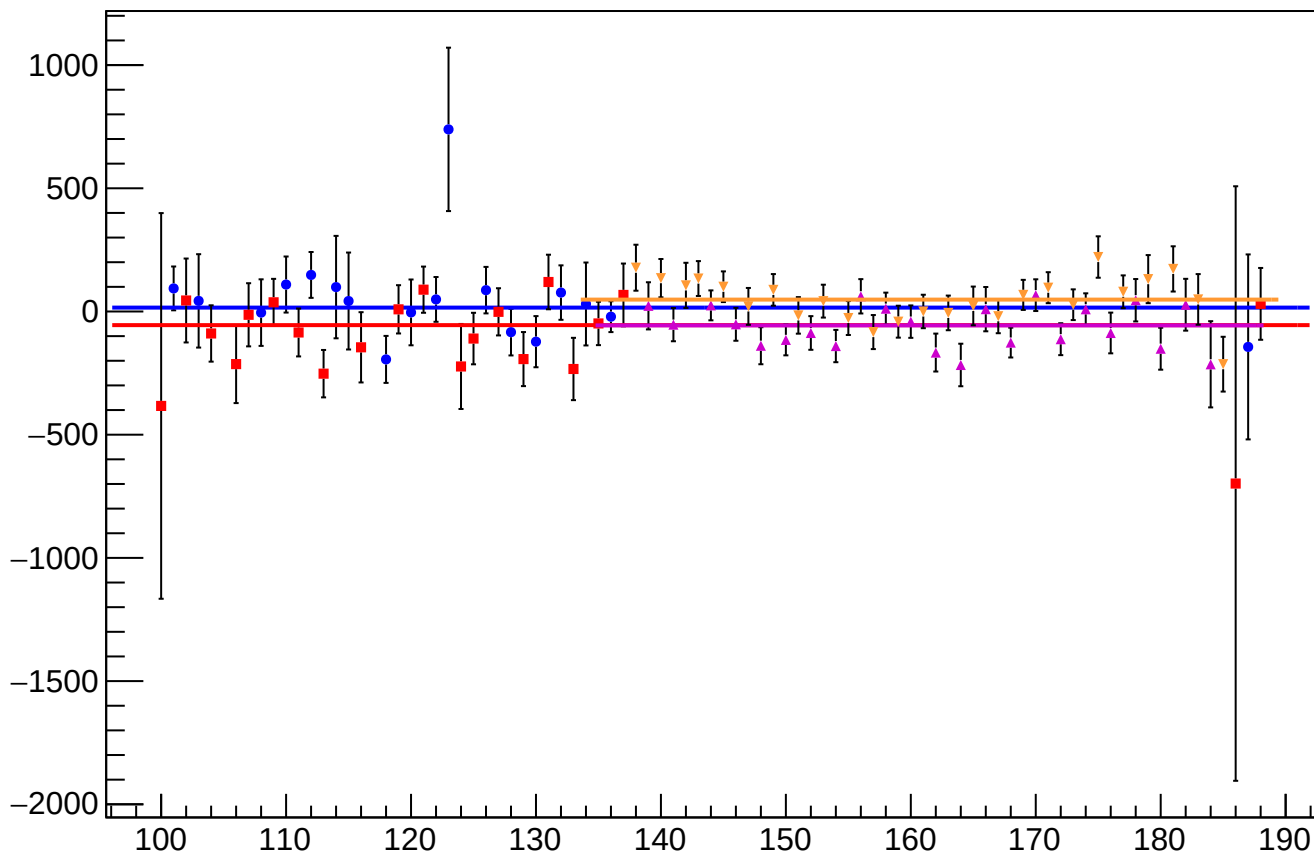
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF: 1344779.5/22

+ sign 188.992 $\pm$ 0.028 χ^2 /NDF: 5676603.5/42

All: 190.635 $\pm$ 0.020 χ^2 /NDF: 12891988.1/80

- sign 192.347 $\pm$ 0.029 χ^2 /NDF: 7208528.1/43

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 15.773 $\pm$ 26.312 χ^2 /NDF: 17.8/17

Left Out: 48.233 $\pm$ 14.616 χ^2 /NDF: 29.3/24

Right Out: -55.354 $\pm$ 25.777 χ^2 /NDF: 19.3/20

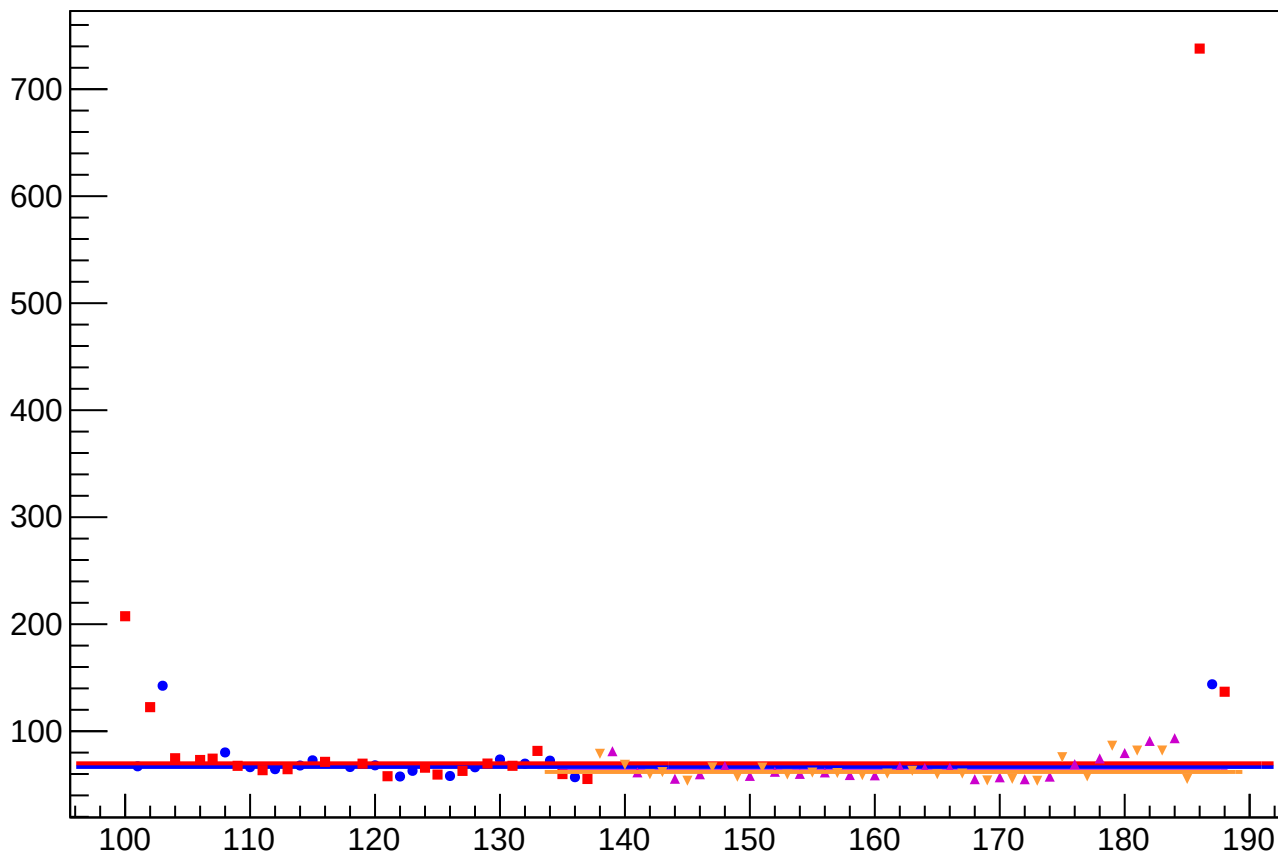
Left In: -56.403 $\pm$ 15.182 χ^2 /NDF: 27.5/22

+ sign 40.579 $\pm$ 12.777 χ^2 /NDF: 48.2/42

All: -6.637 $\pm$ 9.140 χ^2 /NDF: 122.9/86

- sign -56.133 $\pm$ 13.082 χ^2 /NDF: 46.8/43

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.634 $\pm$ 0.019 χ^2 /NDF: 524716.7/17

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 69.970 $\pm$ 0.018 χ^2 /NDF: 1444898.0/20

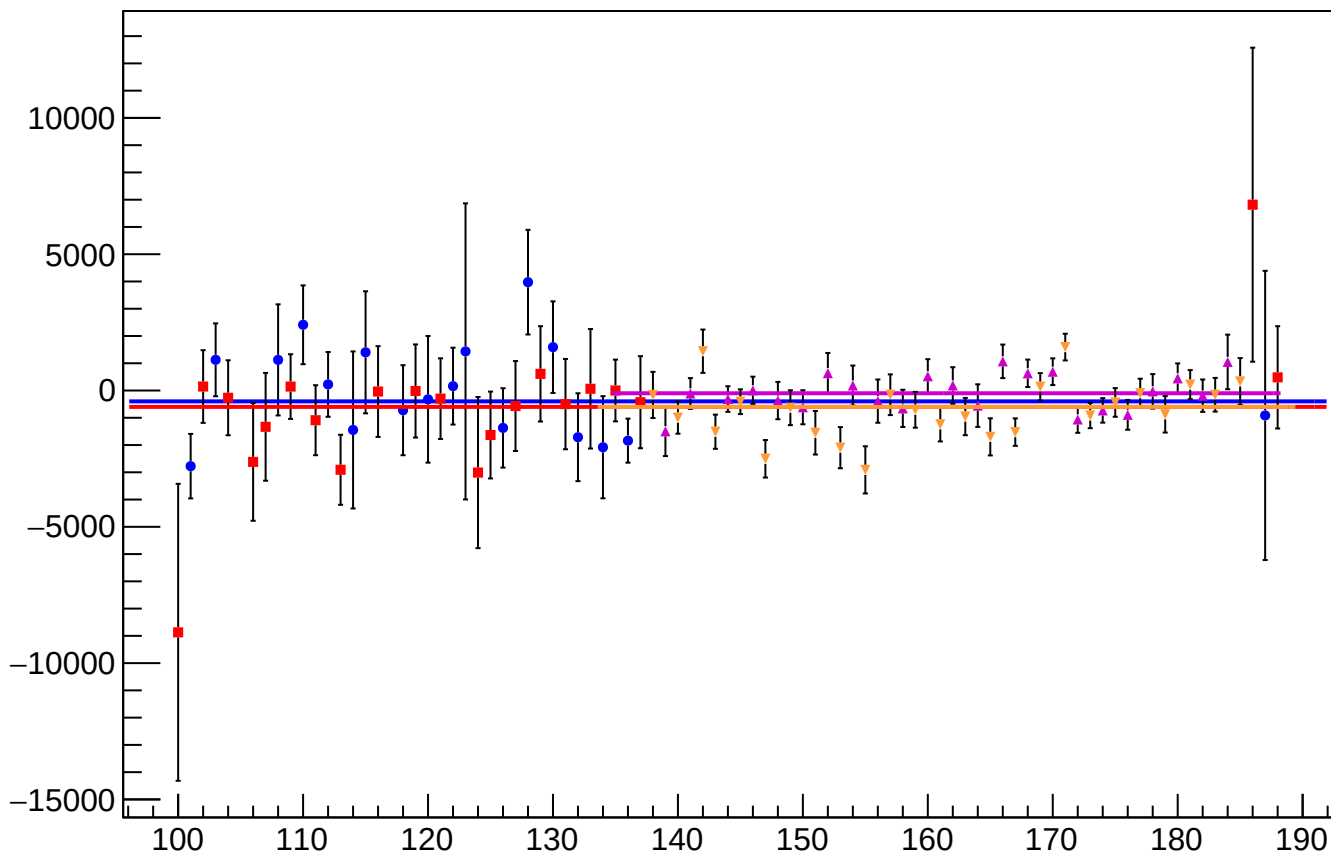
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 63.052 $\pm$ 0.009 χ^2 /NDF: 1178211.4/42

All: 63.760 $\pm$ 0.006 χ^2 /NDF: 3332376.3/86

- sign 64.503 $\pm$ 0.009 χ^2 /NDF: 2141560.8/43

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -398.172 ± 366.418 χ^2/NDF : 22.7/17

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -600.586 ± 355.424 χ^2/NDF : 11.8/20

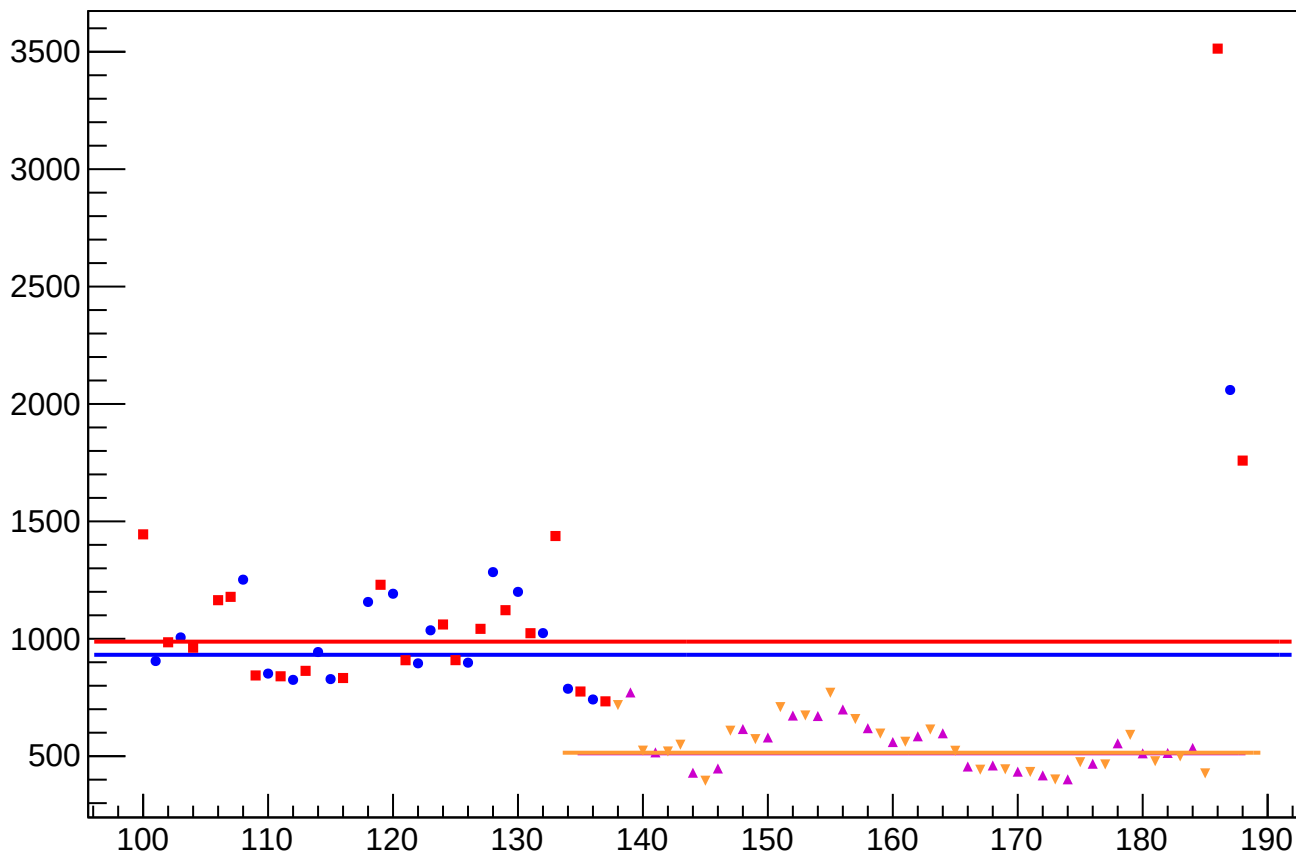
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -581.161 ± 115.854 χ^2/NDF : 88.4/42

All: -371.612 ± 82.562 χ^2/NDF : 134.0/86

- sign -155.373 ± 117.689 χ^2/NDF : 39.0/43

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 931.747 ± 0.259 $\chi^2/\text{NDF}: 486660.3/17$

Left Out: 514.758 ± 0.086 $\chi^2/\text{NDF}: 1194945.9/24$

Right Out: 987.796 ± 0.251 $\chi^2/\text{NDF}: 1127997.4/20$

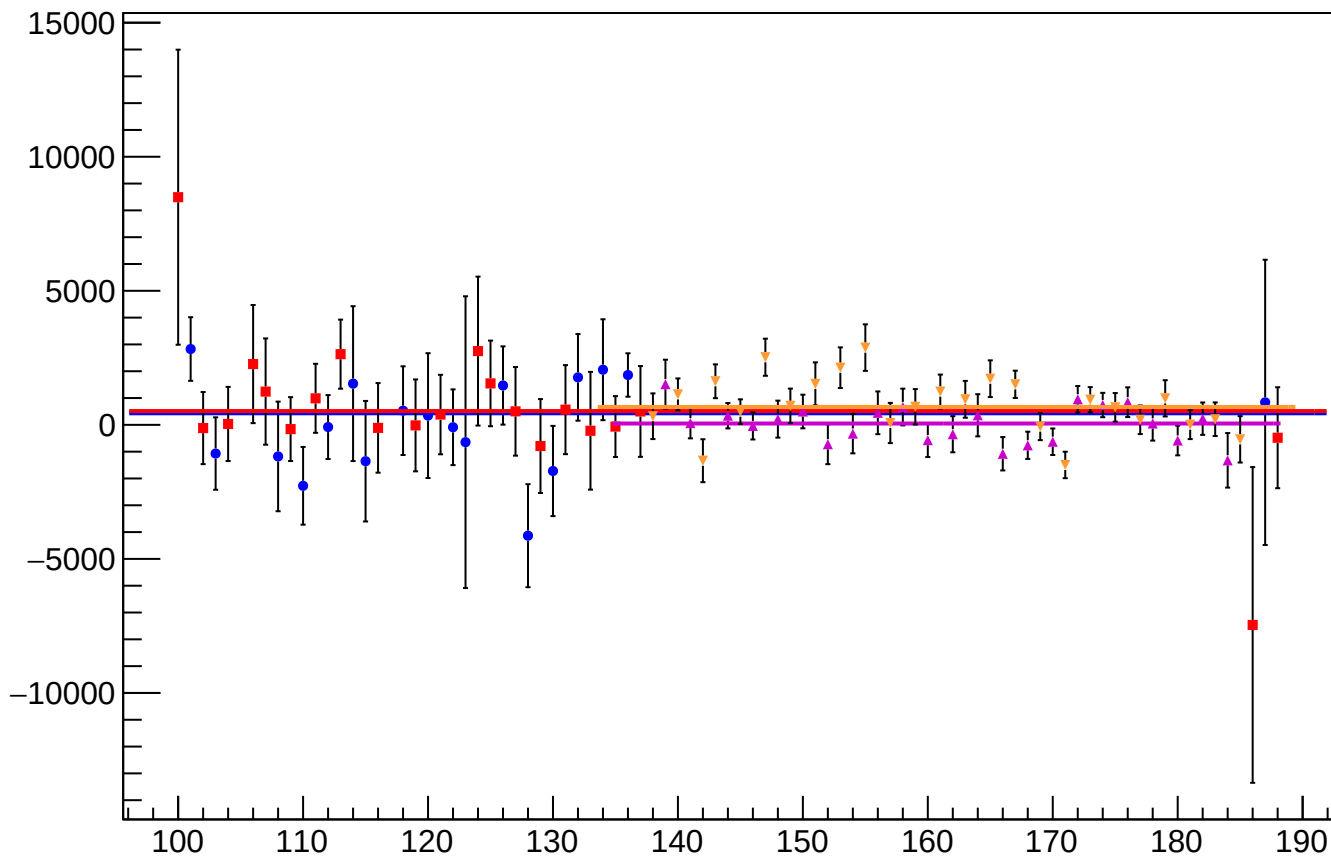
Left In: 512.199 ± 0.088 $\chi^2/\text{NDF}: 1041302.8/22$

+ sign 556.444 ± 0.082 $\chi^2/\text{NDF}: 4012819.7/42$

All: 560.332 ± 0.058 $\chi^2/\text{NDF}: 9375141.1/86$

- sign 564.344 ± 0.083 $\chi^2/\text{NDF}: 5357743.8/43$

asym_sam_12345678_avg_mean vs Slug



Right In: 431.301+/-367.668 χ^2/NDF : 22.9/17

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 514.466+/-356.859 χ^2/NDF : 10.7/20

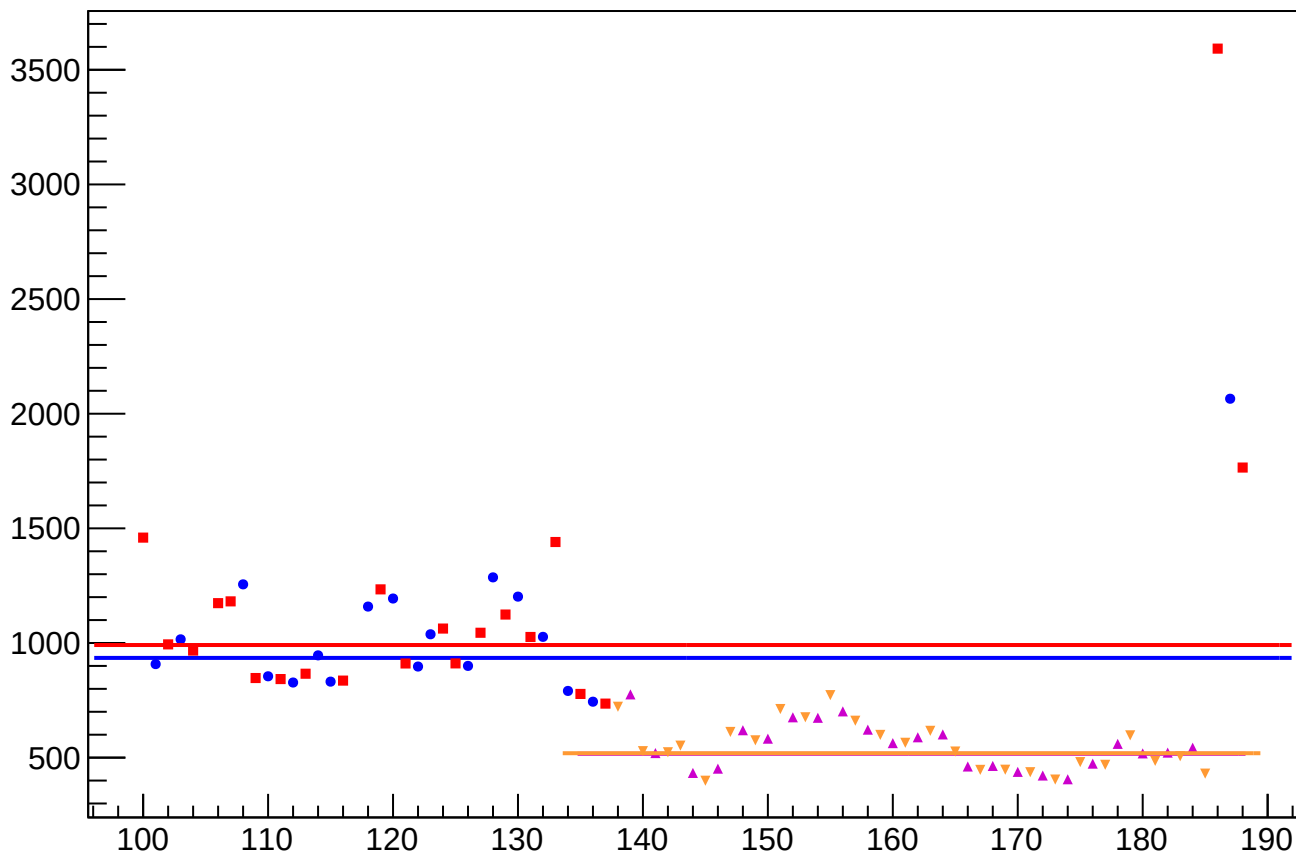
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 643.787+/-116.770 χ^2/NDF : 84.8/42

All: 376.927+/-83.225 χ^2/NDF : 133.7/86

- sign 101.413+/-118.648 χ^2/NDF : 38.3/43

asym_sam_12345678_avg_rms vs Slug



Right In: 934.974+/-0.260 χ^2/NDF : 485644.4/17

Left Out: 519.254+/-0.087 χ^2/NDF :1172411.1/24

Right Out: 991.174+/-0.252 χ^2/NDF : 1134232.0/20

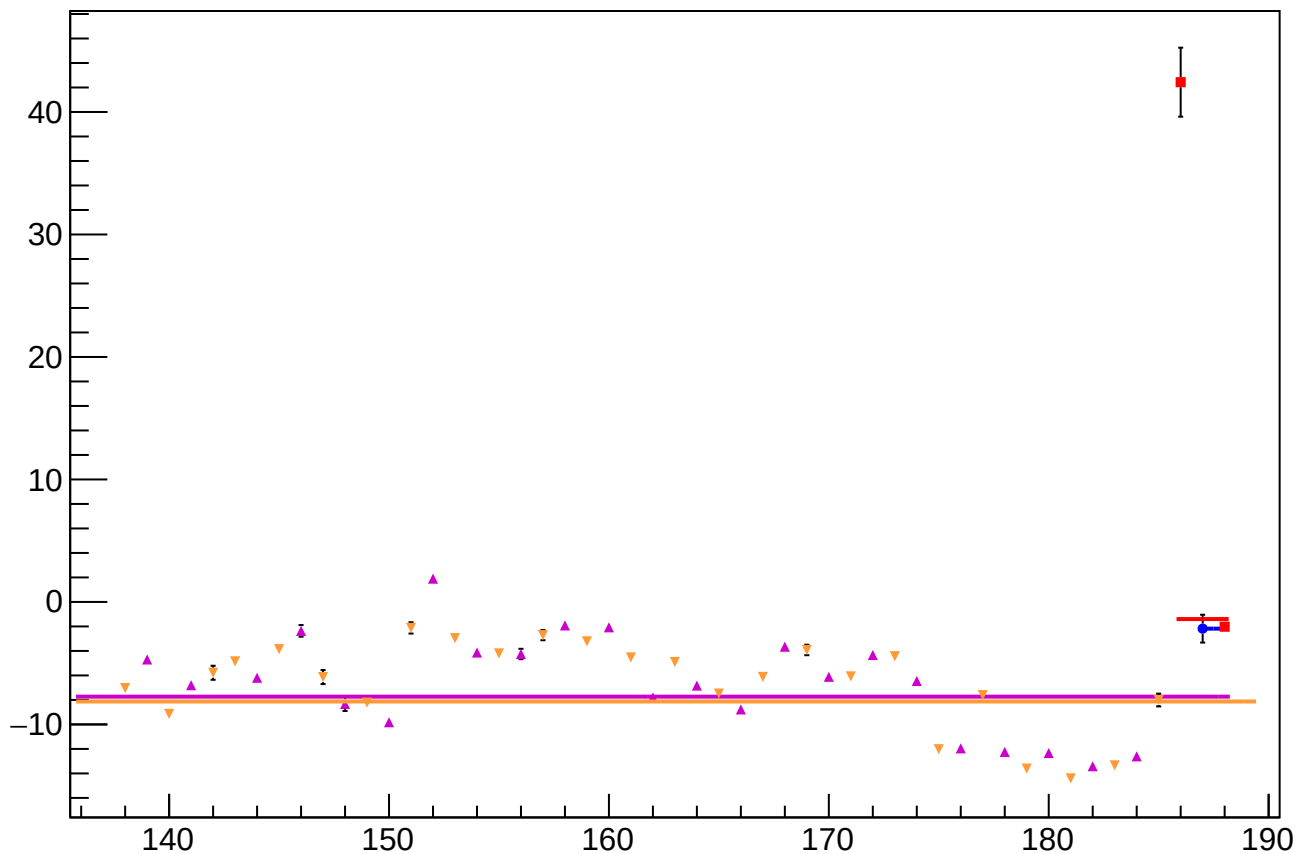
Left In: 516.792+/-0.089 χ^2/NDF :1021374.1/22

+ sign 561.186+/-0.083 χ^2/NDF : 3957085.2/42

All: 565.145+/-0.059 χ^2/NDF : 9260900.8/86

- sign 569.231+/-0.084 χ^2/NDF : 5299145.1/43

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -2.180 ± 1.137 χ^2/NDF : 0.0/0

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -1.397 ± 0.334 χ^2/NDF : 245.5/1

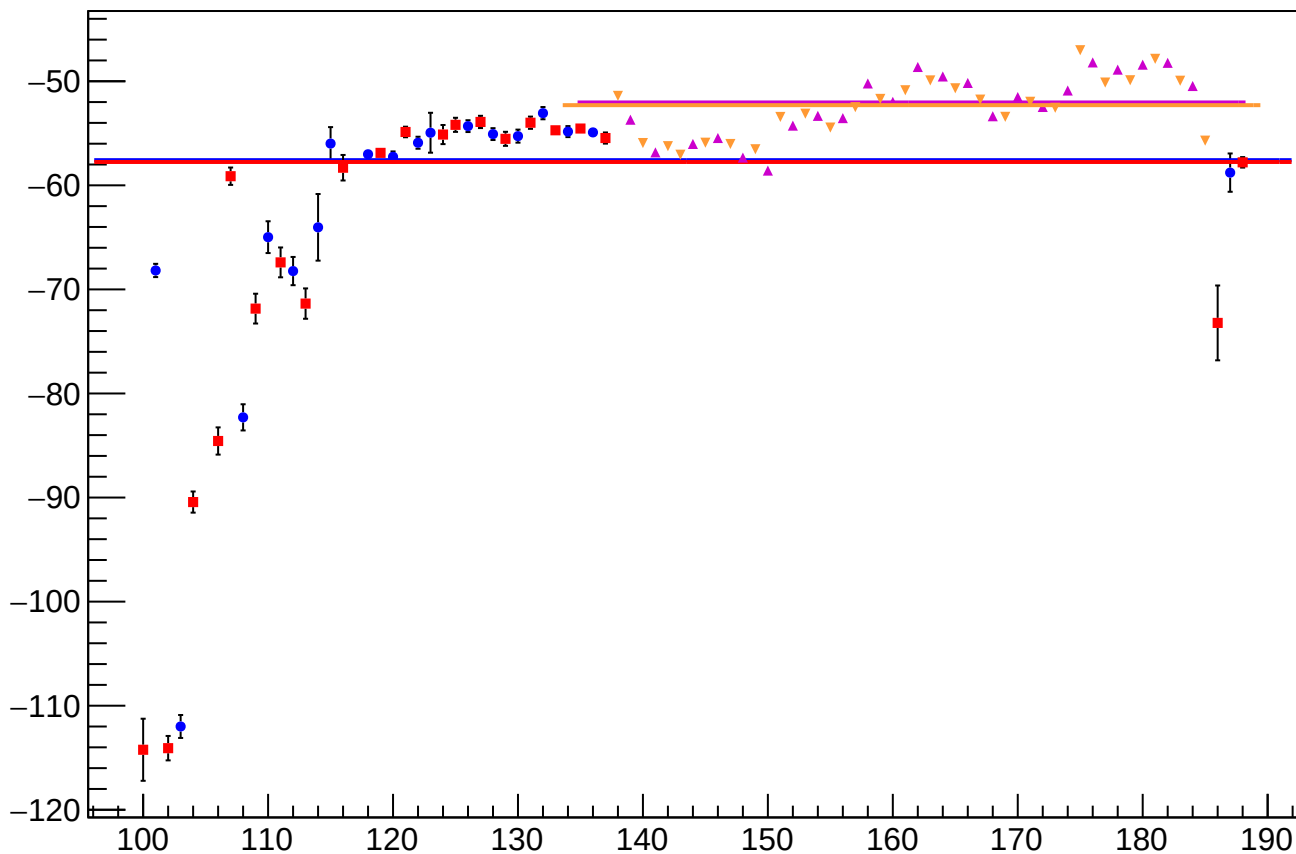
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -8.107 ± 0.067 χ^2/NDF : 3662.8/25

All: -7.791 ± 0.048 χ^2/NDF : 8017.3/50

- sign -7.473 ± 0.067 χ^2/NDF : 4310.3/24

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3458.6/17

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -57.755 ± 0.138 χ^2/NDF : 4719.1/20

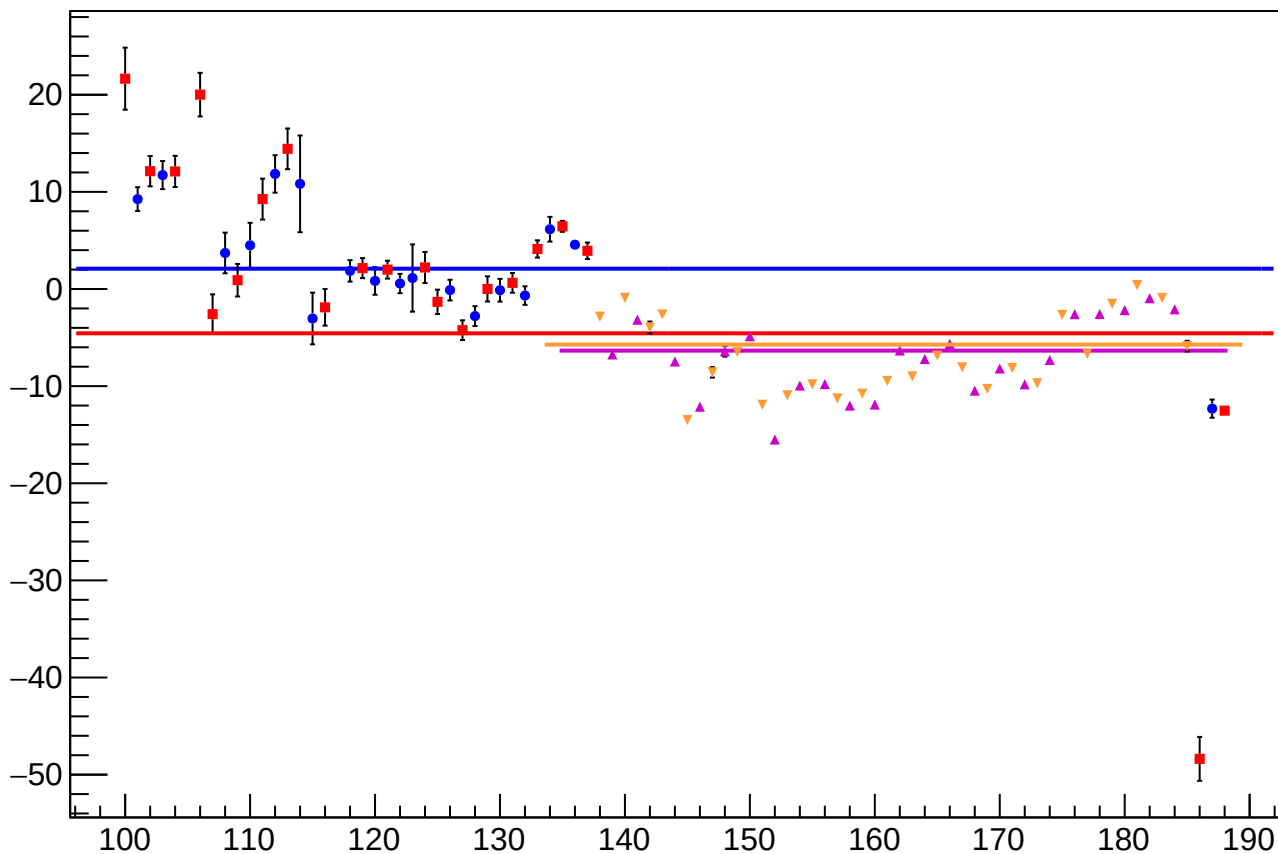
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -52.981 ± 0.051 χ^2/NDF : 7308.8/42

All: -52.932 ± 0.037 χ^2/NDF : 16682.3/86

- sign -52.879 ± 0.053 χ^2/NDF : 9371.6/43

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 2.092 ± 0.250 χ^2/NDF : 440.5/17

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -4.562 ± 0.190 χ^2/NDF : 2514.5/20

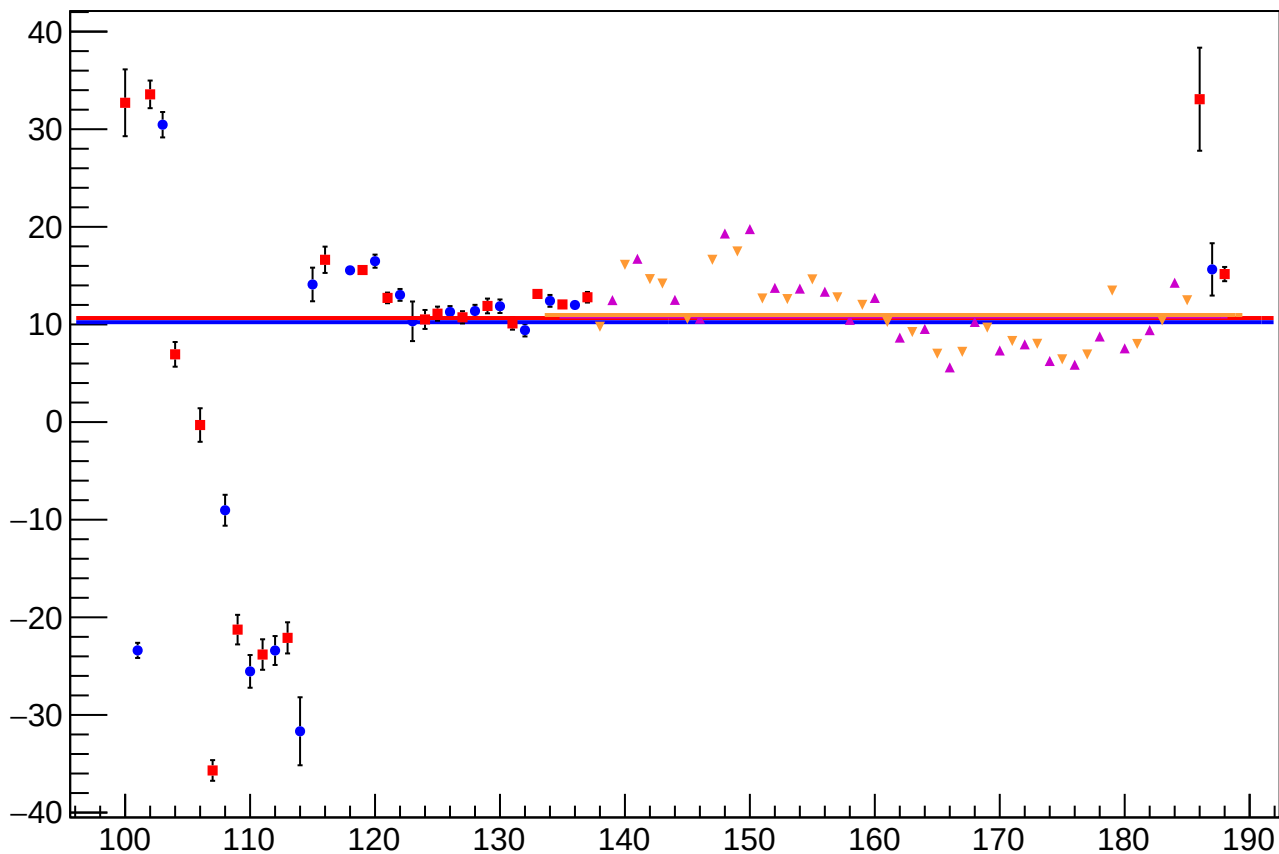
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -5.189 ± 0.065 χ^2/NDF : 5334.9/42

All: -5.669 ± 0.046 χ^2/NDF : 11417.8/86

- sign -6.139 ± 0.065 χ^2/NDF : 5975.8/43

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.232 $\pm$ 0.158 χ^2 /NDF: 3684.1/17

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF:2637.7/24

Right Out: 10.660 $\pm$ 0.156 χ^2 /NDF: 3884.5/20

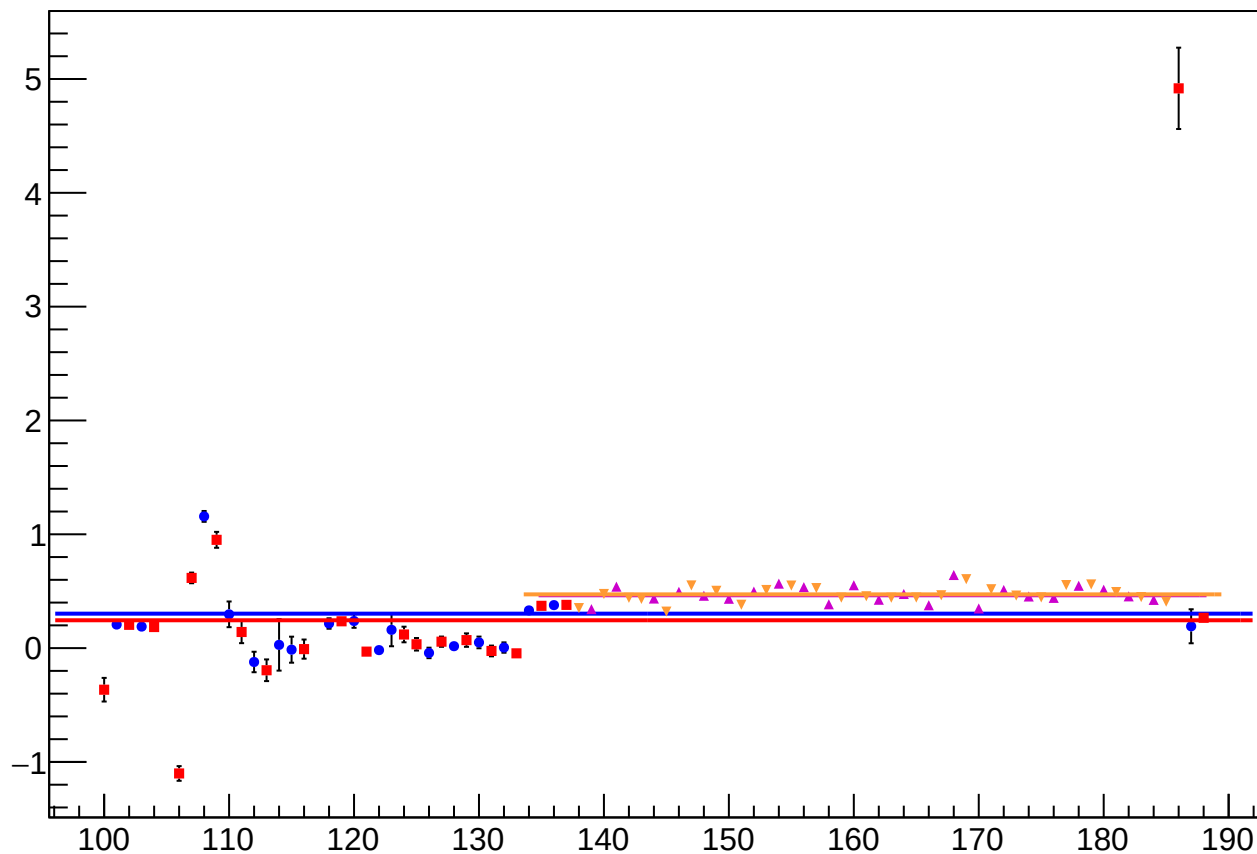
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF:3546.8/22

+ sign 10.871 $\pm$ 0.057 χ^2 /NDF: 6340.6/42

All: 10.832 $\pm$ 0.041 χ^2 /NDF: 13773.7/86

- sign 10.792 $\pm$ 0.059 χ^2 /NDF: 7432.2/43

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 ± 0.008 χ^2/NDF : 647.8/17

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.245 ± 0.008 χ^2/NDF : 1155.1/20

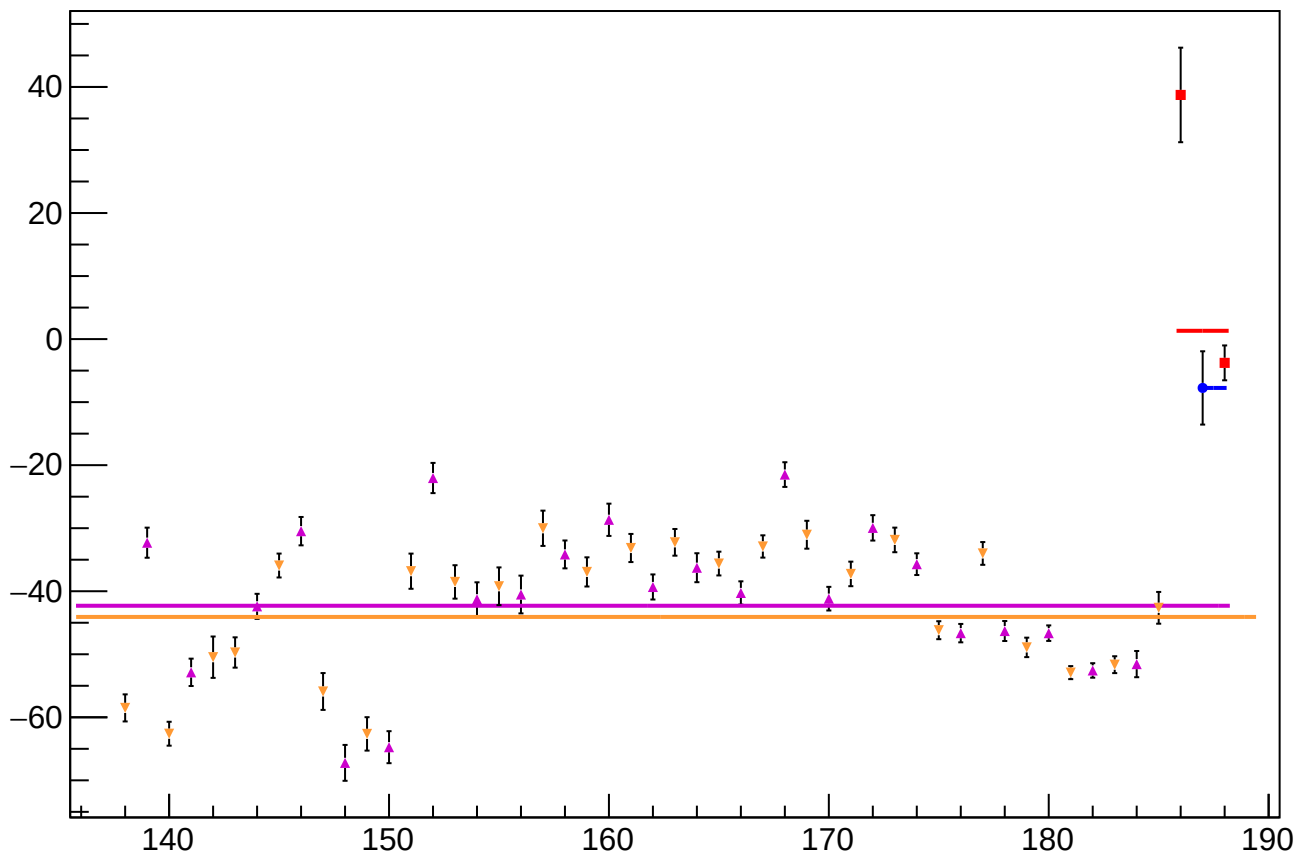
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.455 ± 0.003 χ^2/NDF : 1549.7/42

All: 0.448 ± 0.002 χ^2/NDF : 4086.6/86

- sign 0.442 ± 0.003 χ^2/NDF : 2524.3/43

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -7.749 ± 5.815 χ^2/NDF : 0.0/0

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: 1.316 ± 2.595 χ^2/NDF : 28.3/1

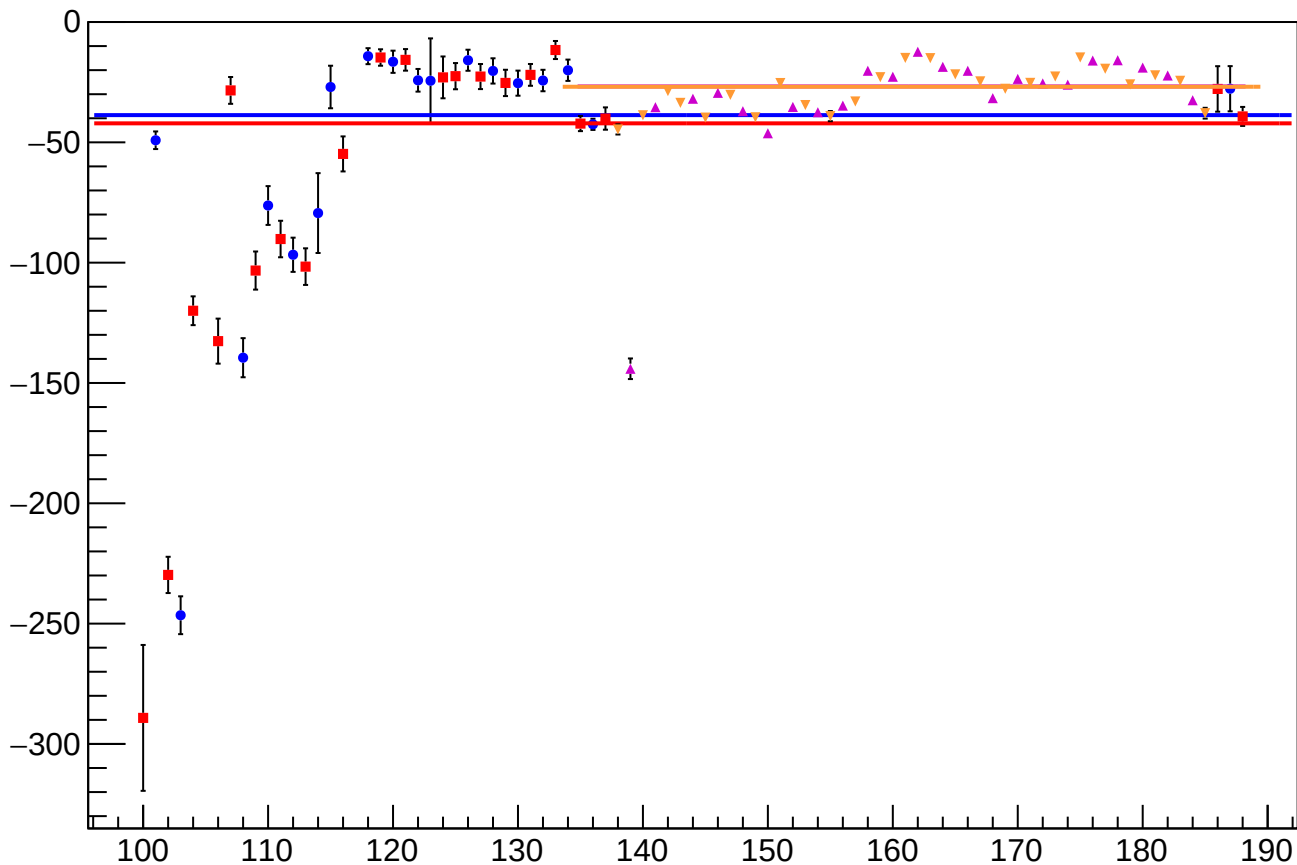
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.916 ± 0.388 χ^2/NDF : 671.4/25

All: -42.628 ± 0.277 χ^2/NDF : 1638.9/50

- sign -41.295 ± 0.395 χ^2/NDF : 945.0/24

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.687 ± 1.141 $\chi^2/\text{NDF}: 1123.1/17$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -42.109 ± 1.150 $\chi^2/\text{NDF}: 1348.6/20$

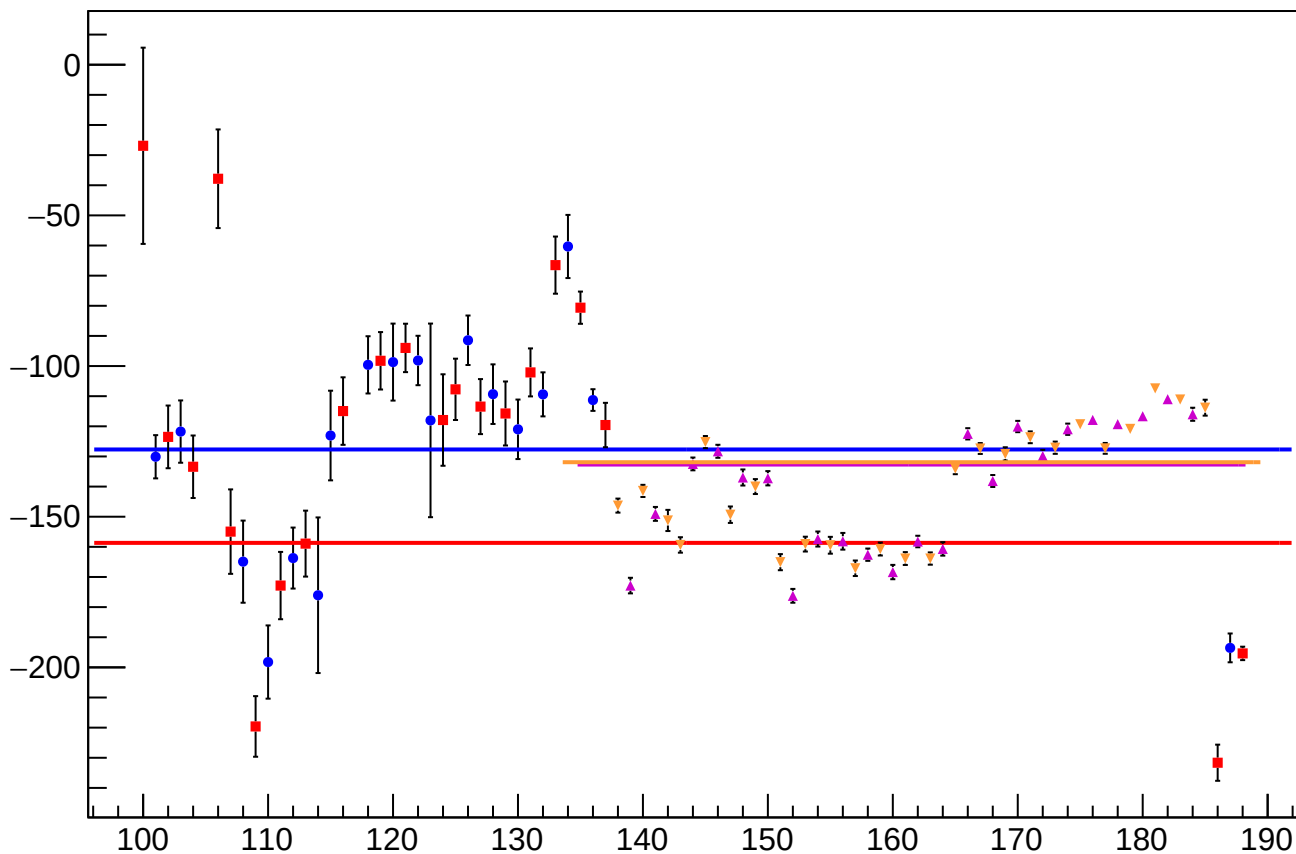
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -27.743 ± 0.305 $\chi^2/\text{NDF}: 1853.2/42$

All: -27.827 ± 0.219 $\chi^2/\text{NDF}: 4761.1/86$

- sign -27.917 ± 0.314 $\chi^2/\text{NDF}: 2907.8/43$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -127.683 ± 1.910 χ^2/NDF : 366.5/17

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -158.681 ± 1.519 χ^2/NDF : 1125.0/20

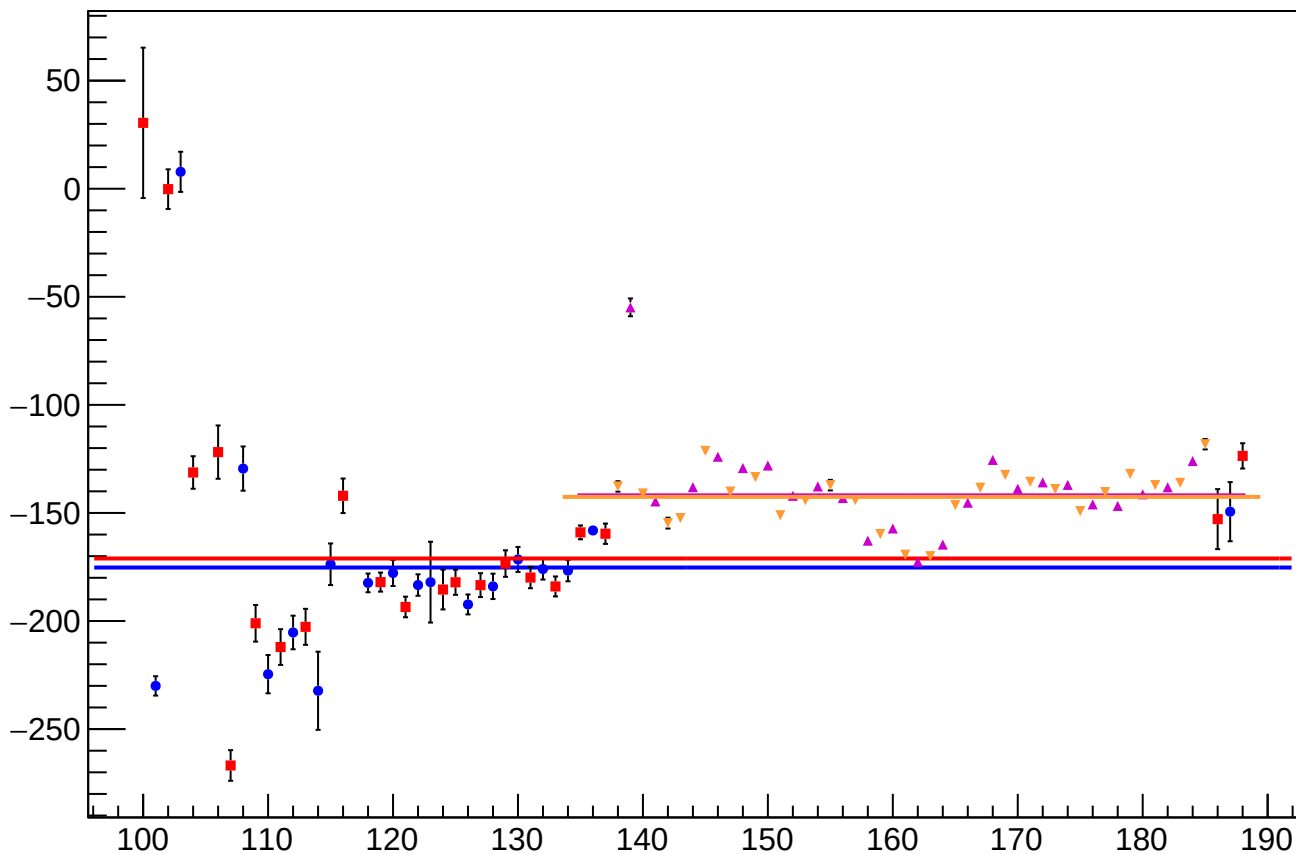
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -131.742 ± 0.383 χ^2/NDF : 2810.5/42

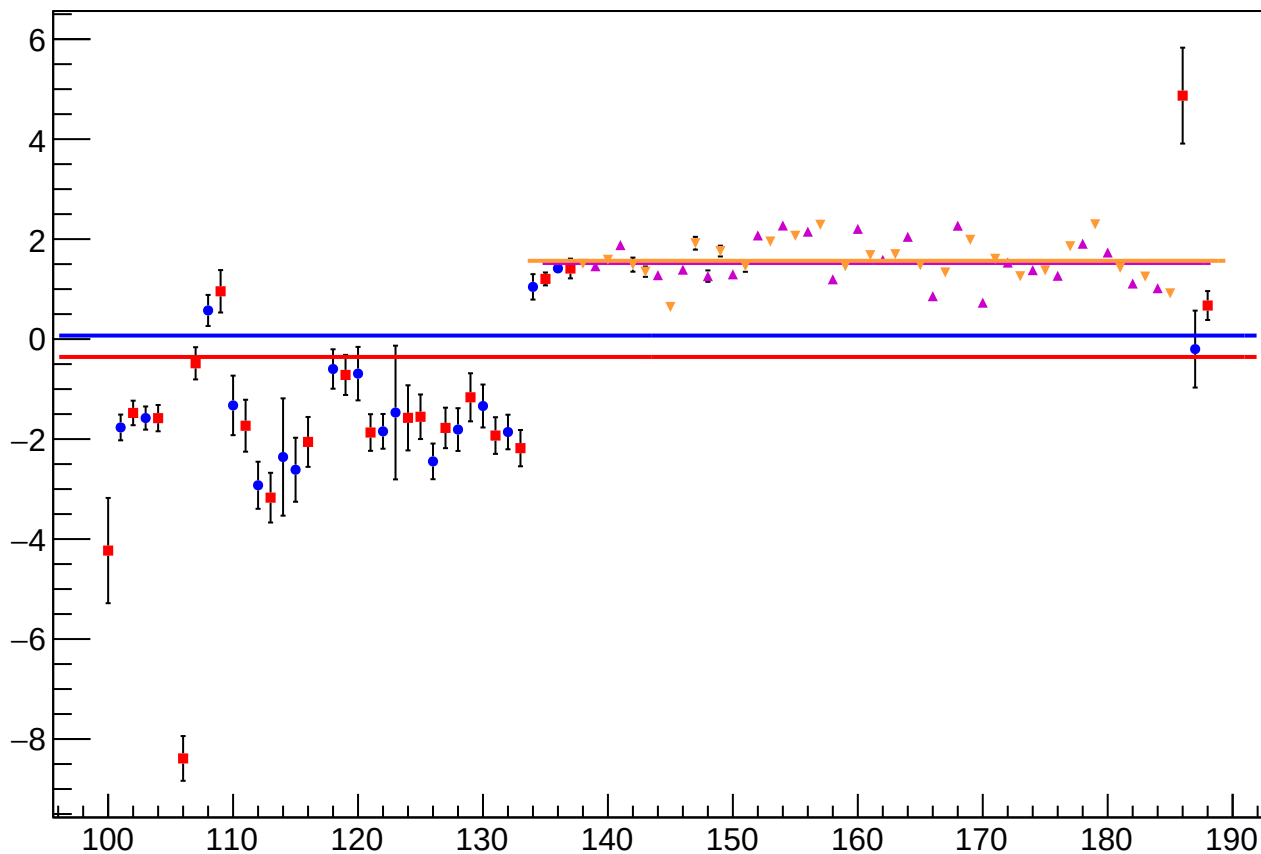
All: -133.046 ± 0.272 χ^2/NDF : 6712.8/86

- sign -134.370 ± 0.386 χ^2/NDF : 3879.0/43

reg_asym_sam2_diff_bpm4eY_slope vs Slug



reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.071 ± 0.067 χ^2/NDF : 525.3/17

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: -0.357 ± 0.069 χ^2/NDF : 794.7/20

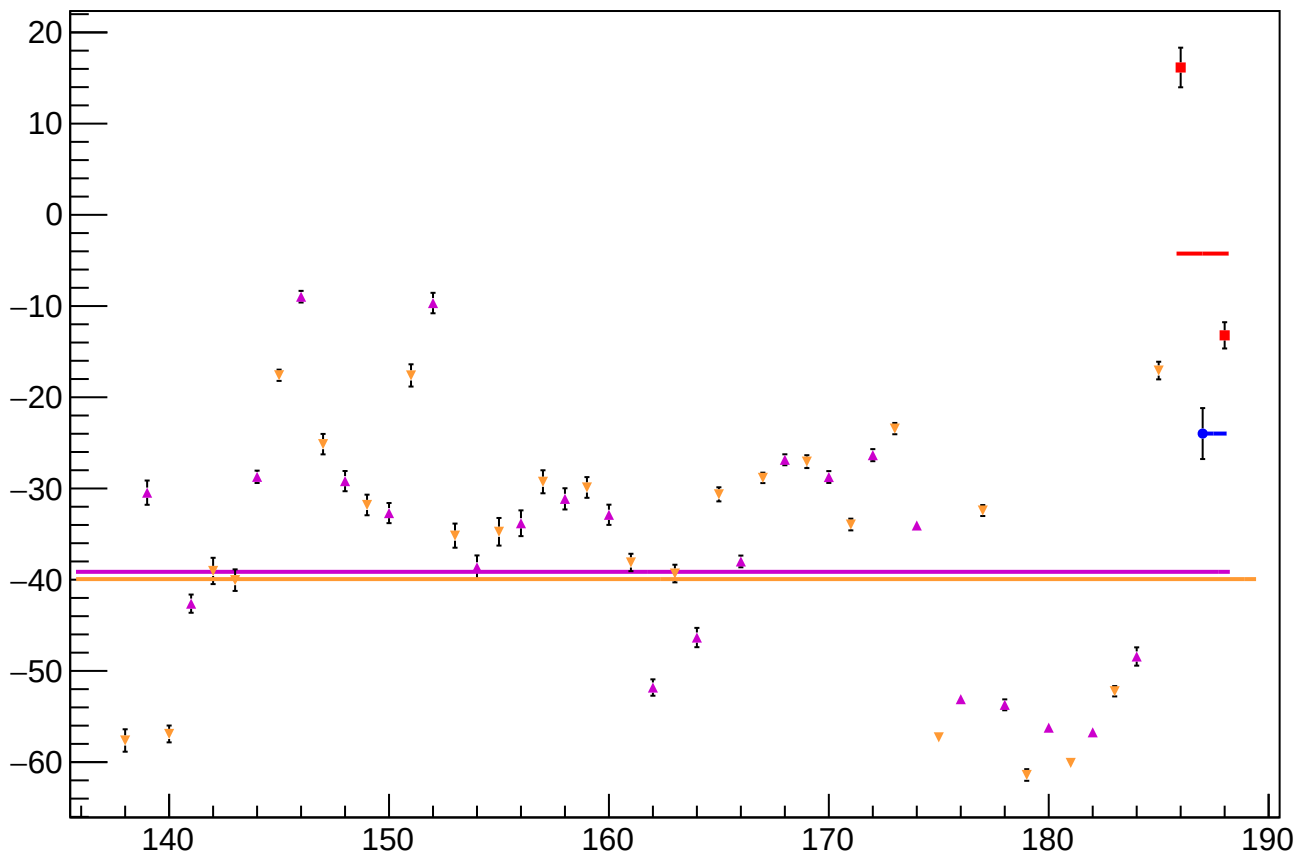
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.484 ± 0.016 χ^2/NDF : 1539.7/42

All: 1.453 ± 0.011 χ^2/NDF : 3780.2/86

- sign 1.421 ± 0.016 χ^2/NDF : 2232.9/43

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -23.980 +/- 2.794 χ^2/NDF : 0.0/0

Left Out: -39.935 +/- 0.153 χ^2/NDF : 9806.5/24

Right Out: -4.248 +/- 1.200 χ^2/NDF : 127.0/1

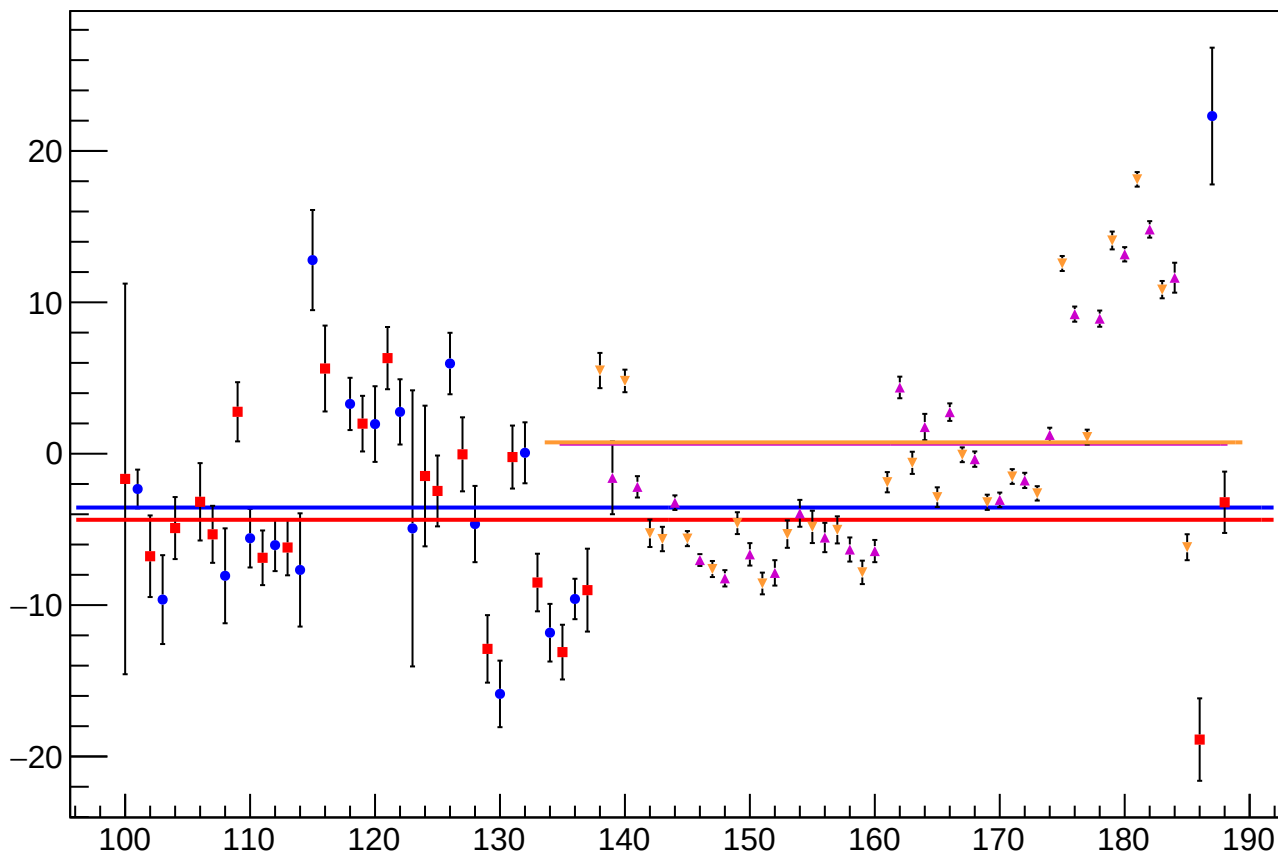
Left In: -39.137 +/- 0.155 χ^2/NDF : 8534.5/22

+ sign -39.887 +/- 0.153 χ^2/NDF : 9839.0/25

All: -39.229 +/- 0.108 χ^2/NDF : 19369.0/50

- sign -38.567 +/- 0.153 χ^2/NDF : 9492.9/24

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.556 ± 0.496 χ^2/NDF : 194.1/17

Left Out: 0.749 ± 0.124 χ^2/NDF : 3970.9/24

Right Out: -4.365 ± 0.484 χ^2/NDF : 151.5/20

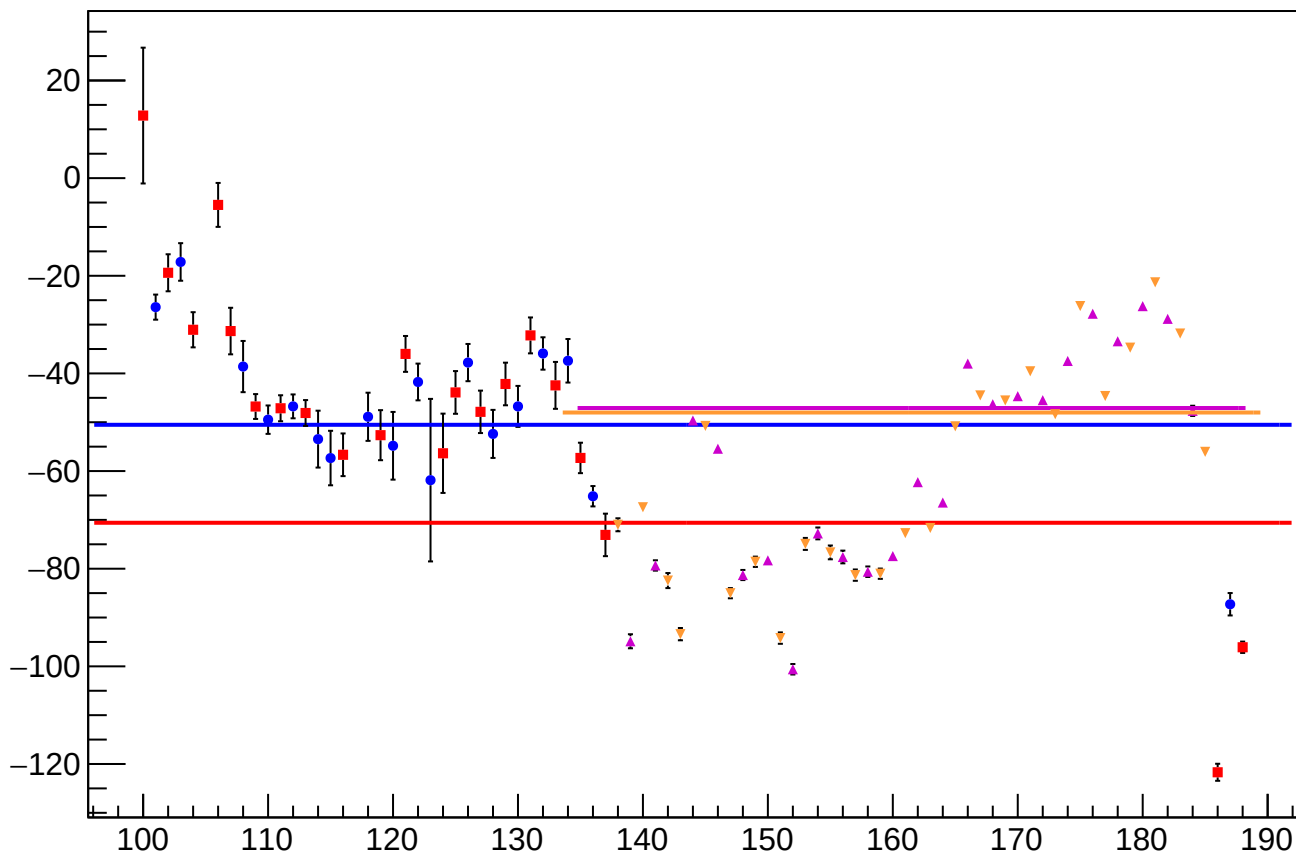
Left In: 0.660 ± 0.124 χ^2/NDF : 3337.8/22

+ sign 0.495 ± 0.120 χ^2/NDF : 4235.8/42

All: 0.422 ± 0.085 χ^2/NDF : 7826.8/86

- sign 0.350 ± 0.120 χ^2/NDF : 3590.3/43

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -50.524 ± 0.826 χ^2/NDF : 524.7/17

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -70.591 ± 0.650 χ^2/NDF : 2577.5/20

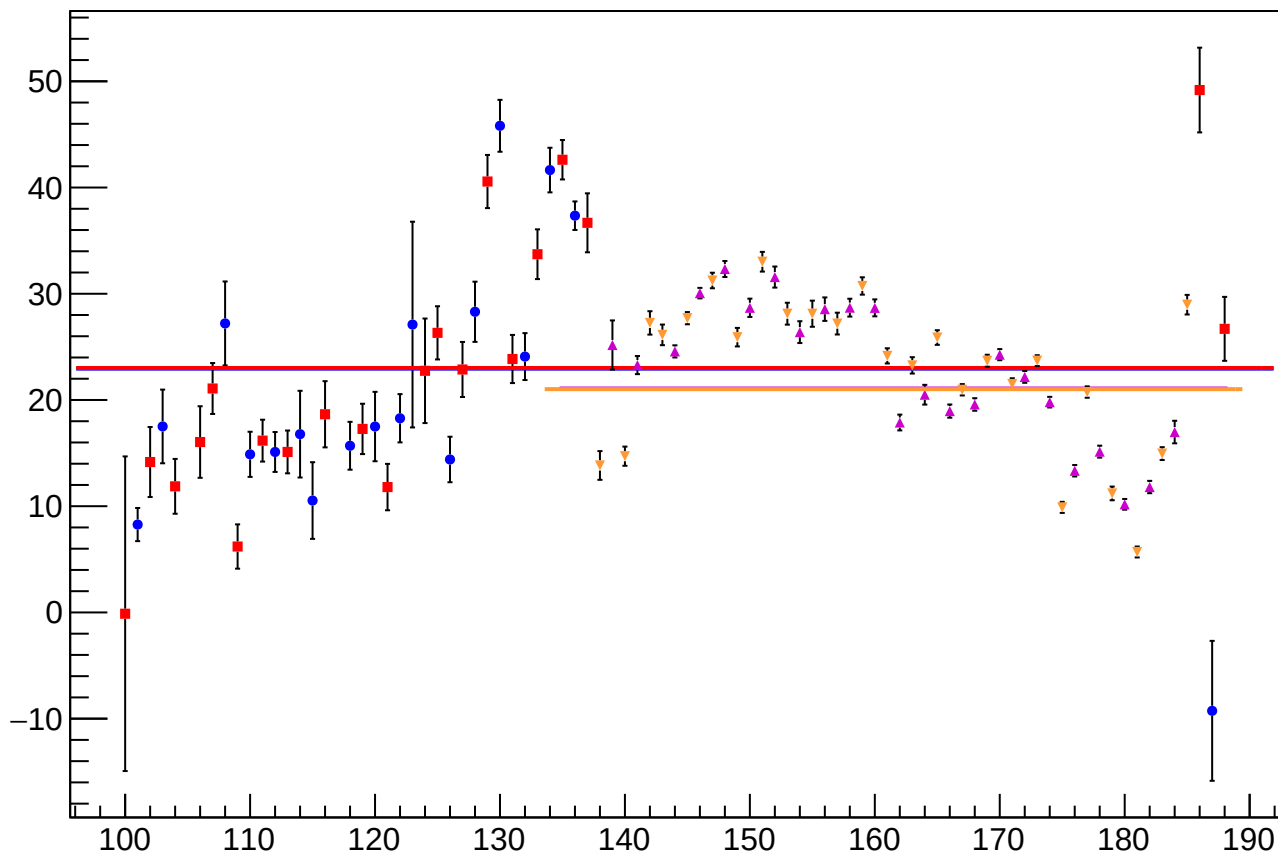
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.093 ± 0.152 χ^2/NDF : 17483.7/42

All: -48.224 ± 0.107 χ^2/NDF : 36814.4/86

- sign -48.354 ± 0.151 χ^2/NDF : 19329.2/43

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.952 $\pm$ 0.558 χ^2 /NDF: 481.0/17

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF: 2799.3/24

Right Out: 23.012 $\pm$ 0.558 χ^2 /NDF: 412.2/20

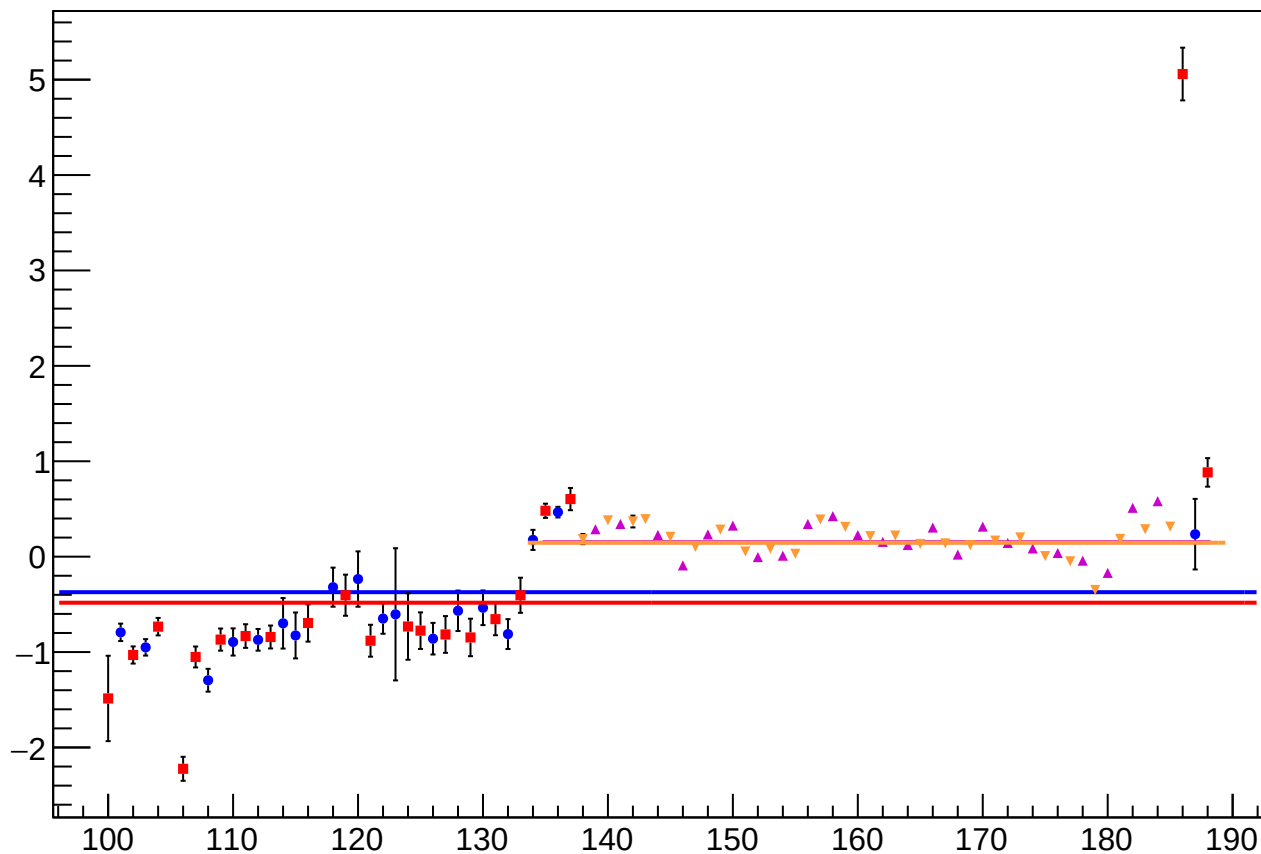
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF: 2173.2/22

+ sign 21.133 $\pm$ 0.135 χ^2 /NDF: 3291.6/42

All: 21.163 $\pm$ 0.096 χ^2 /NDF: 5888.5/86

- sign 21.193 $\pm$ 0.135 χ^2 /NDF: 2596.7/43

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.372 ± 0.030 $\chi^2/\text{NDF}: 440.3/17$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.483 ± 0.029 $\chi^2/\text{NDF}: 1052.9/20$

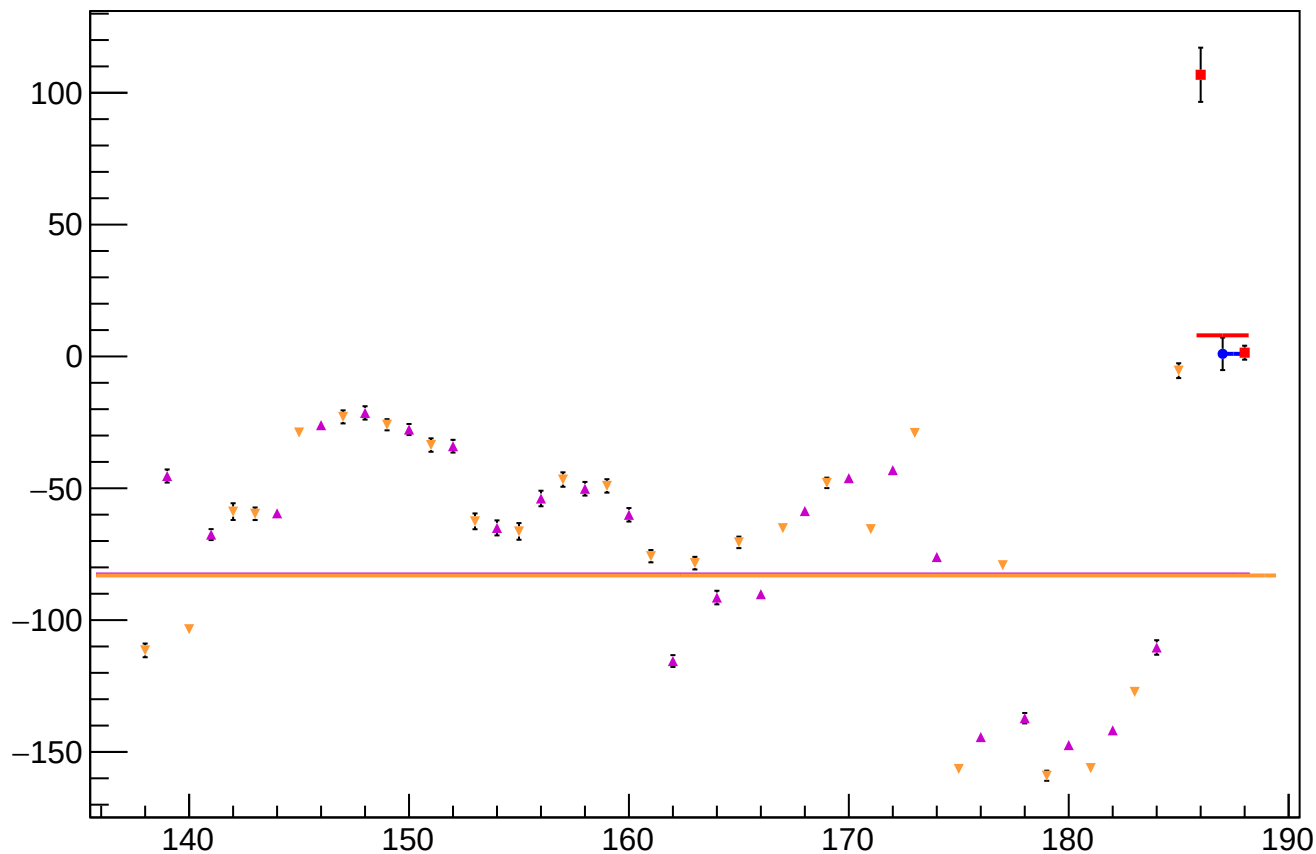
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.124 ± 0.006 $\chi^2/\text{NDF}: 1335.5/42$

All: 0.123 ± 0.004 $\chi^2/\text{NDF}: 3699.4/86$

- sign 0.123 ± 0.006 $\chi^2/\text{NDF}: 2363.9/43$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: 0.990 ± 6.163 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -83.068 ± 0.406 $\chi^2/\text{NDF}: 13817.3/24$

Right Out: 8.006 ± 2.569 $\chi^2/\text{NDF}: 98.5/1$

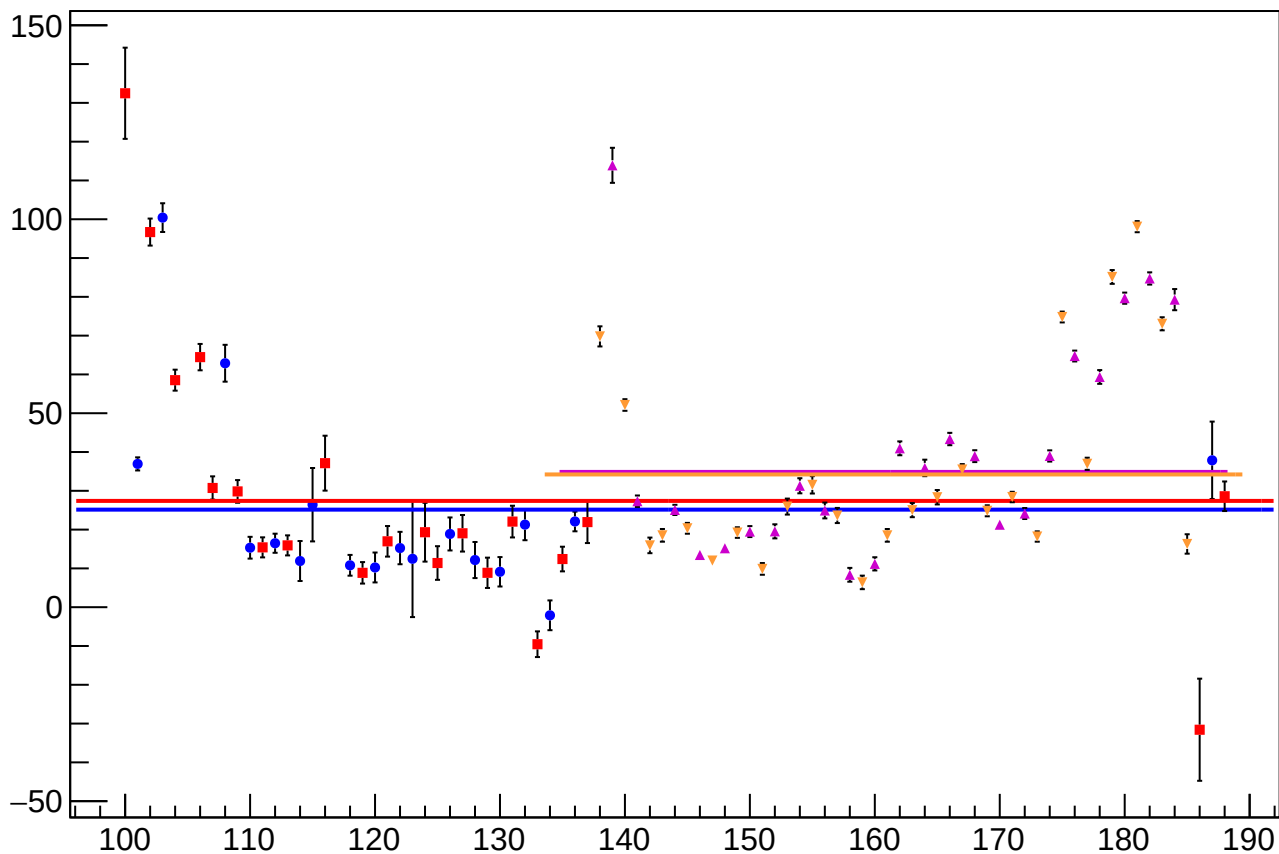
Left In: -82.711 ± 0.415 $\chi^2/\text{NDF}: 10841.4/22$

+ sign -82.704 ± 0.405 $\chi^2/\text{NDF}: 14002.6/25$

All: -81.565 ± 0.288 $\chi^2/\text{NDF}: 26173.8/50$

- sign -80.402 ± 0.410 $\chi^2/\text{NDF}: 12155.3/24$

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.147 ± 0.805 χ^2/NDF : 688.1/17

Left Out: 34.219 ± 0.320 χ^2/NDF : 6192.6/24

Right Out: 27.398 ± 0.792 χ^2/NDF : 1033.8/20

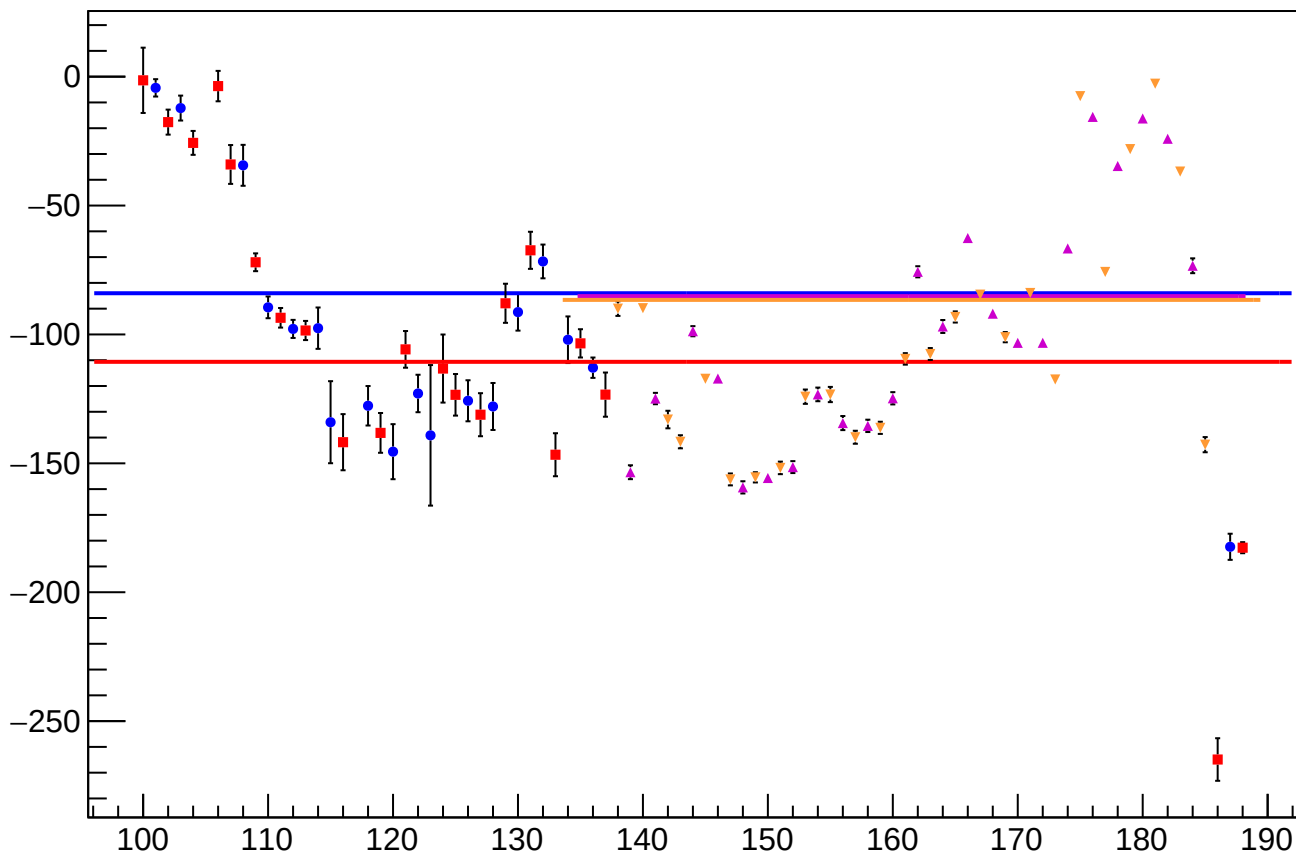
Left In: 34.870 ± 0.329 χ^2/NDF : 4716.1/22

+ sign 32.979 ± 0.298 χ^2/NDF : 6990.4/42

All: 33.365 ± 0.213 χ^2/NDF : 12819.7/86

- sign 33.768 ± 0.304 χ^2/NDF : 5825.9/43

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -84.015 ± 1.366 χ^2/NDF : 1437.1/17

Left Out: -86.595 ± 0.408 χ^2/NDF : 14515.7/24

Right Out: -110.622 ± 1.134 χ^2/NDF : 2942.7/20

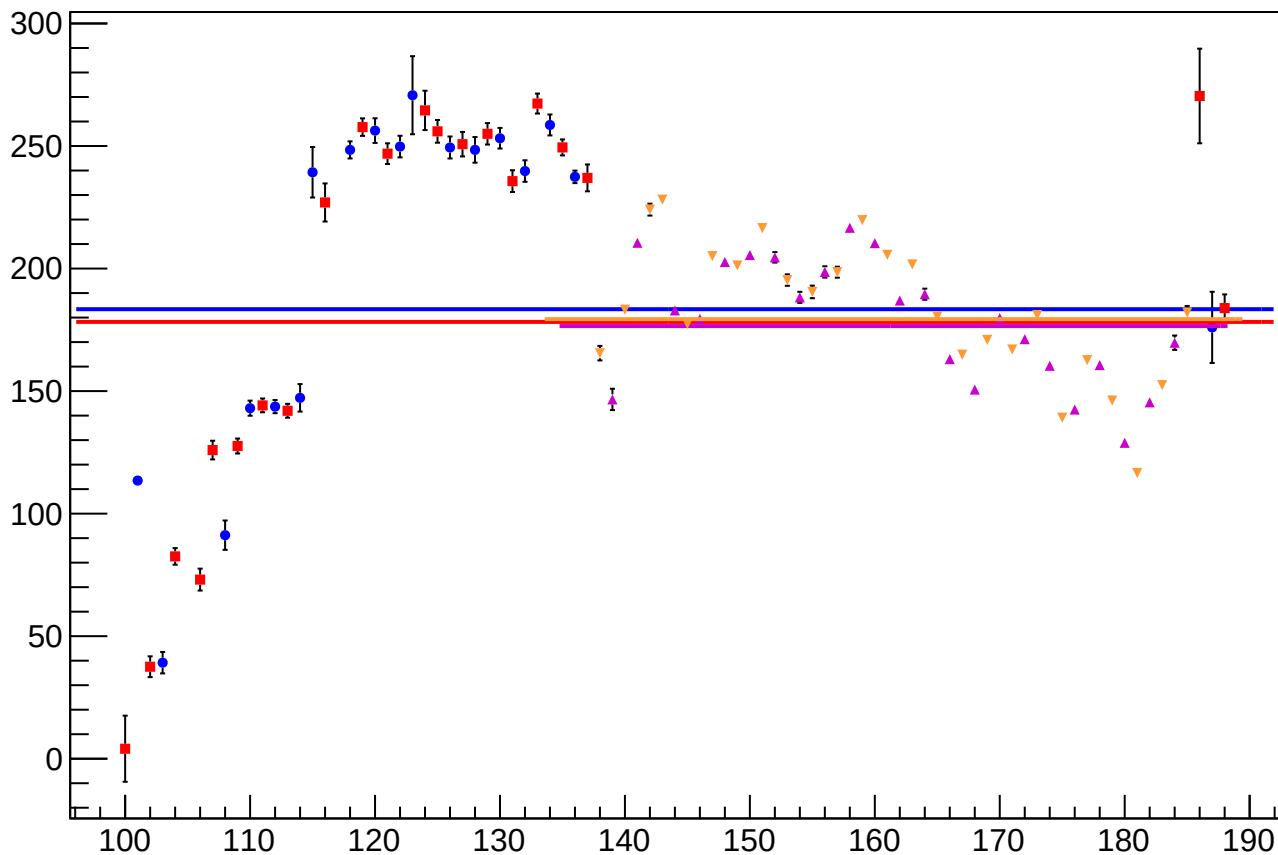
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -86.383 ± 0.391 χ^2/NDF : 15956.0/42

All: -87.268 ± 0.276 χ^2/NDF : 32195.7/86

- sign -88.145 ± 0.390 χ^2/NDF : 16229.5/43

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.419 +/- 0.918 χ^2/NDF : 5318.5/17

Left Out: 179.359 +/- 0.362 χ^2/NDF : 5982.2/24

Right Out: 178.234 +/- 0.912 χ^2/NDF : 6360.5/20

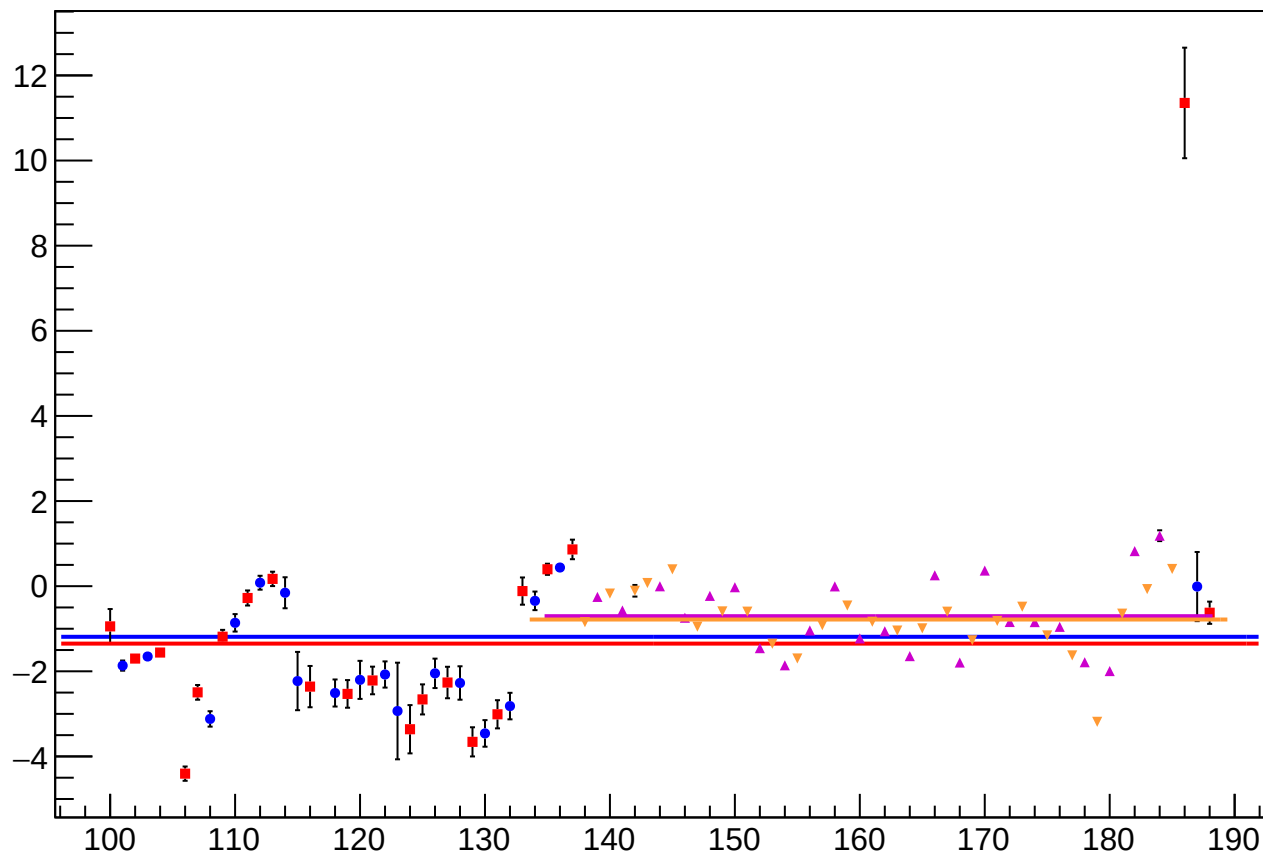
Left In: 176.531 +/- 0.371 χ^2/NDF : 4426.0/22

+ sign 179.905 +/- 0.337 χ^2/NDF : 11317.7/42

All: 178.371 +/- 0.240 χ^2/NDF : 22149.5/86

- sign 176.773 +/- 0.344 χ^2/NDF : 10789.5/43

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.189 ± 0.048 χ^2/NDF : 622.5/17

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.350 ± 0.045 χ^2/NDF : 1023.5/20

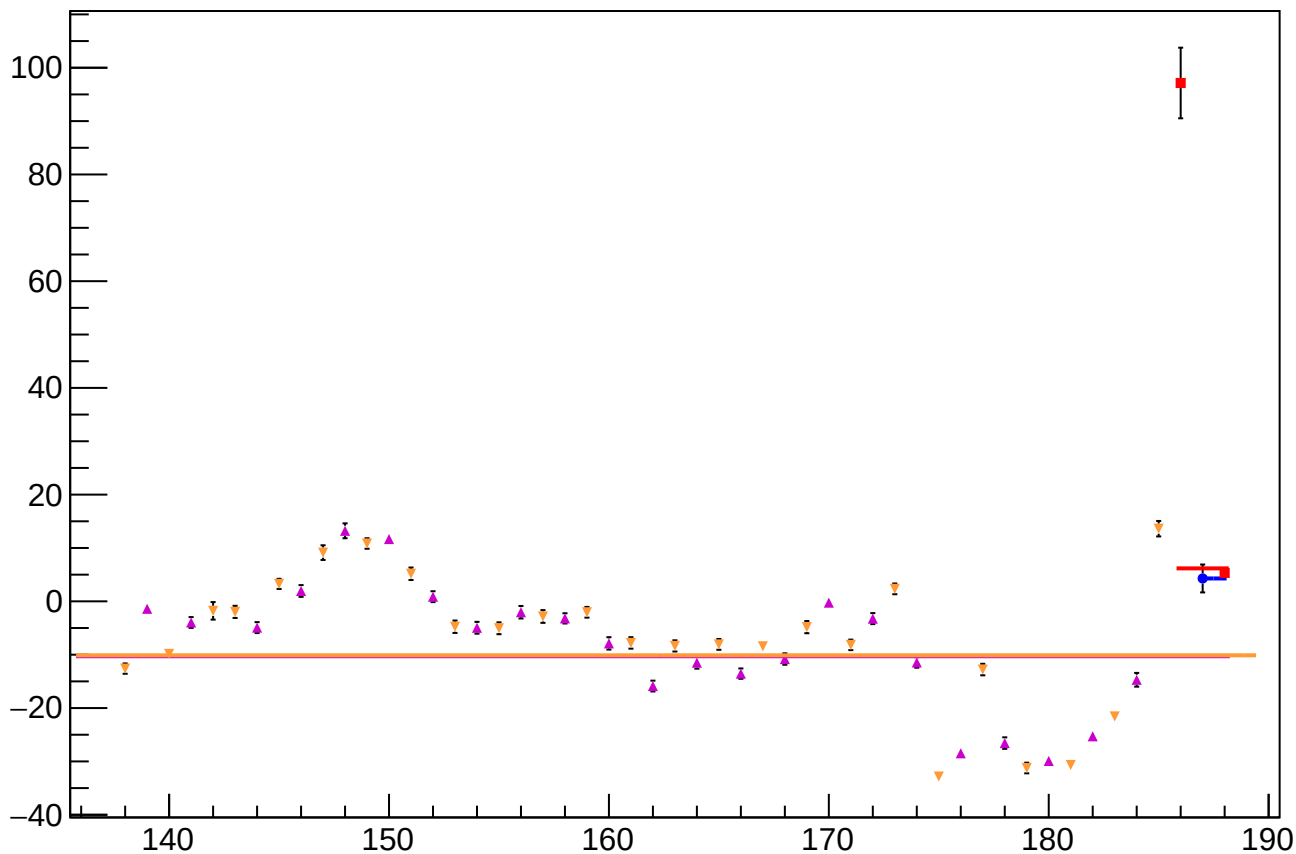
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.827 ± 0.016 χ^2/NDF : 2457.7/42

All: -0.806 ± 0.011 χ^2/NDF : 6071.4/86

- sign -0.784 ± 0.016 χ^2/NDF : 3610.1/43

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 4.287 $\pm$ 2.614 χ^2 /NDF: 0.0/0

Left Out: -10.117 $\pm$ 0.201 χ^2 /NDF: 4138.1/24

Right Out: 6.177 $\pm$ 0.637 χ^2 /NDF: 190.6/1

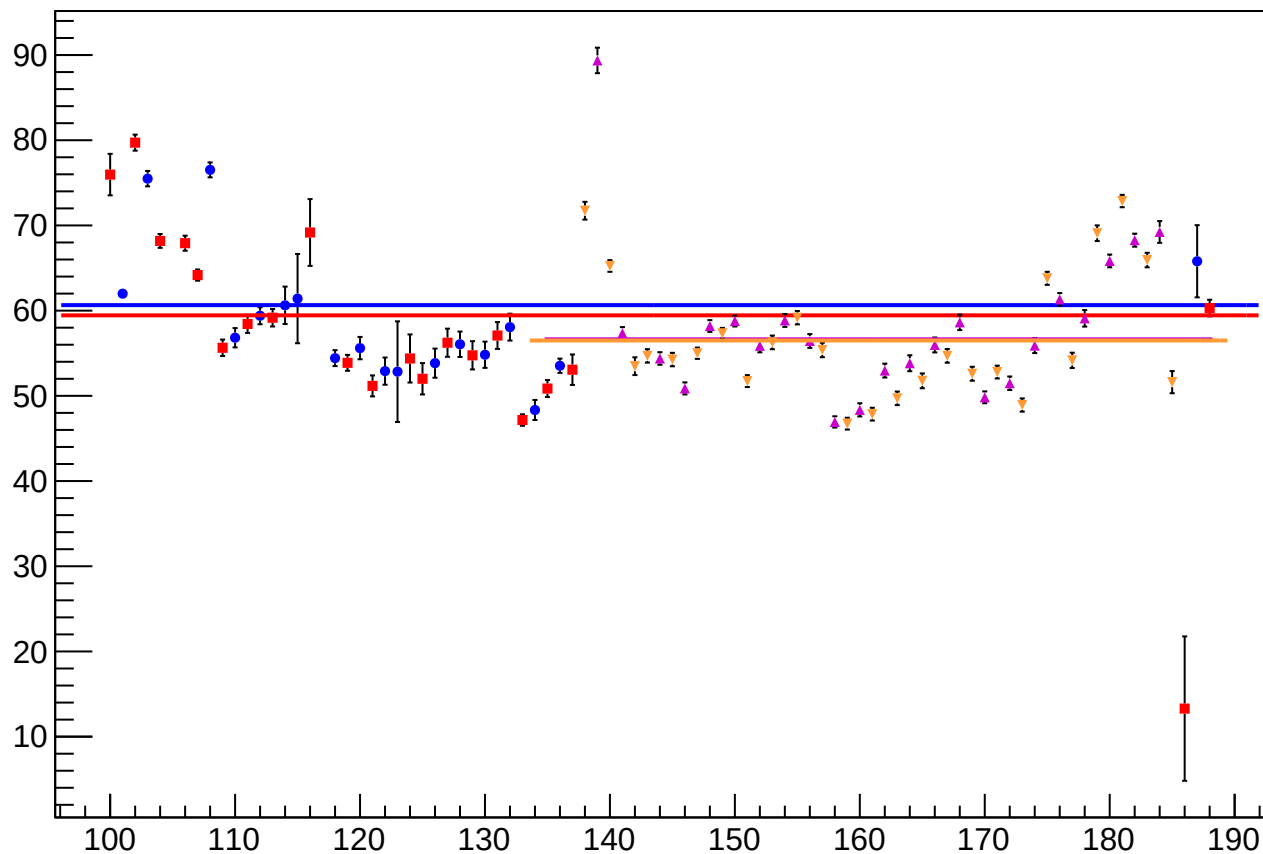
Left In: -10.290 $\pm$ 0.205 χ^2 /NDF: 3451.0/22

+ sign -10.032 $\pm$ 0.201 χ^2 /NDF: 4168.3/25

All: -9.368 $\pm$ 0.140 χ^2 /NDF: 8436.8/50

- sign -8.738 $\pm$ 0.196 χ^2 /NDF: 4247.2/24

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.645 $\pm$ 0.263 χ^2 /NDF: 926.0/17

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF: 1968.0/24

Right Out: 59.449 $\pm$ 0.240 χ^2 /NDF: 1355.6/20

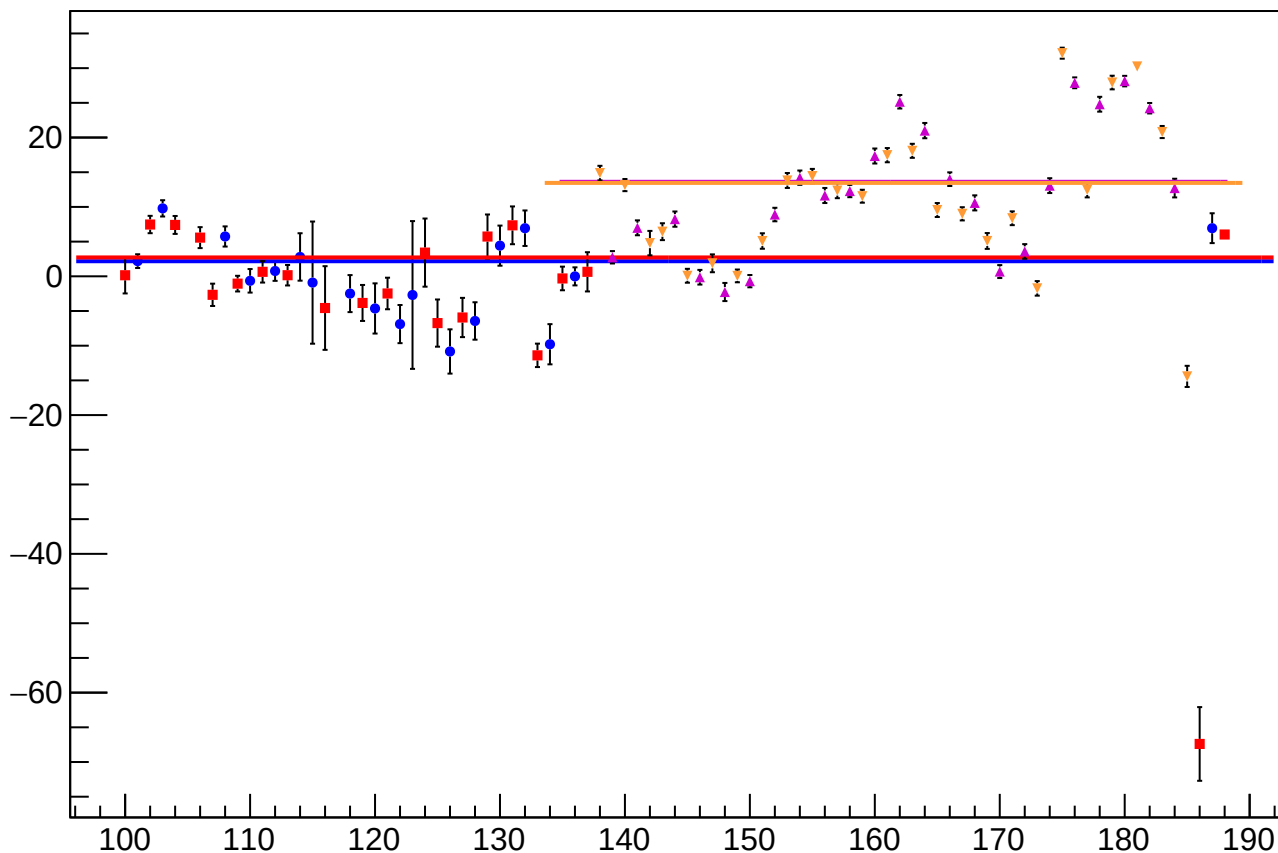
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF: 1607.9/22

+ sign 57.607 $\pm$ 0.136 χ^2 /NDF: 3076.5/42

All: 57.572 $\pm$ 0.096 χ^2 /NDF: 6133.4/86

- sign 57.538 $\pm$ 0.136 χ^2 /NDF: 3056.8/43

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 2.172 ± 0.449 χ^2/NDF : 125.4/17

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 2.720 ± 0.328 χ^2/NDF : 381.5/20

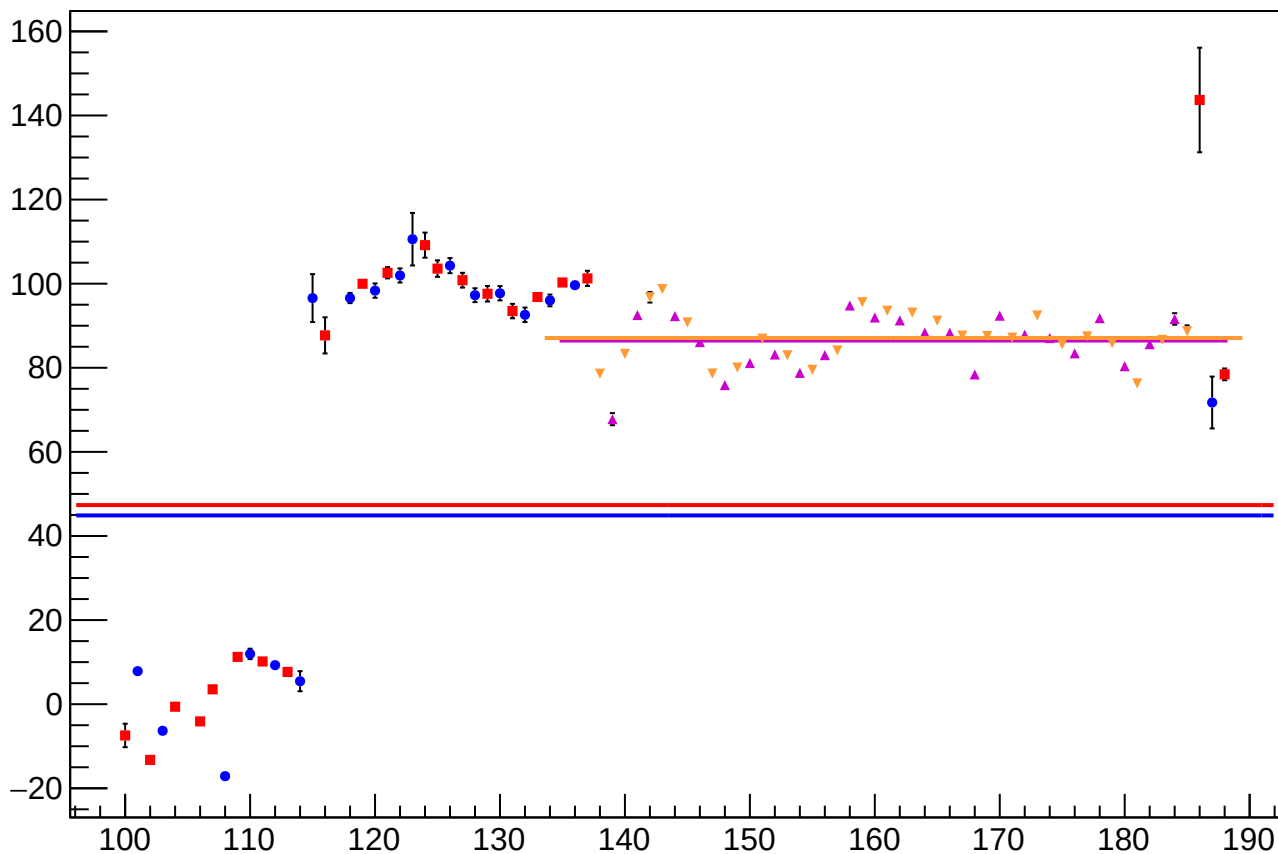
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.571 ± 0.184 χ^2/NDF : 3387.5/42

All: 11.044 ± 0.126 χ^2/NDF : 6894.4/86

- sign 10.574 ± 0.174 χ^2/NDF : 3491.3/43

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.883 ± 0.305 χ^2/NDF : 24719.1/17

Left Out: 87.087 ± 0.179 χ^2/NDF : 1085.8/24

Right Out: 47.345 ± 0.284 χ^2/NDF : 28793.4/20

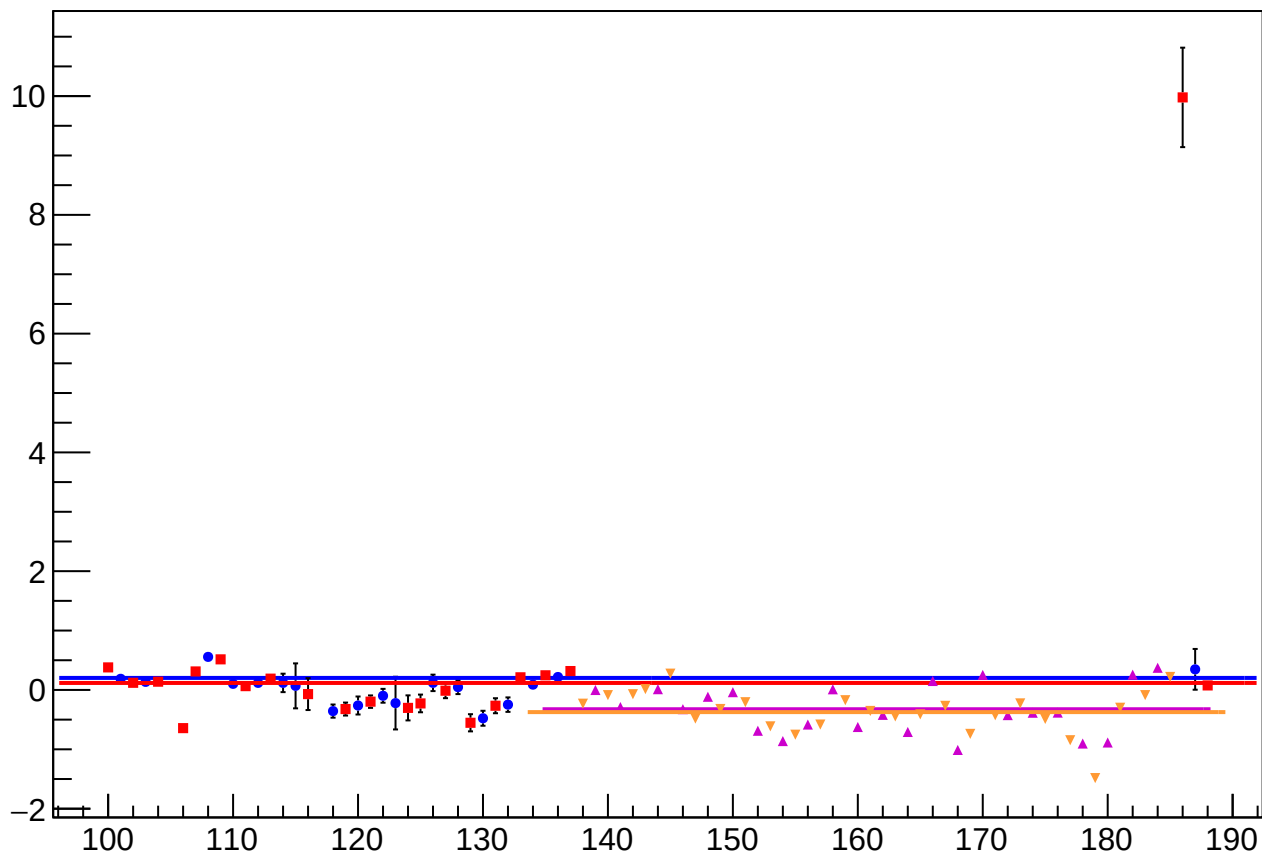
Left In: 86.482 ± 0.185 χ^2/NDF : 1003.2/22

+ sign 76.248 ± 0.154 χ^2/NDF : 40068.5/42

All: 75.543 ± 0.109 χ^2/NDF : 83282.2/86

- sign 74.834 ± 0.155 χ^2/NDF : 43171.8/43

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 215.8/17

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: 0.118 ± 0.013 χ^2/NDF : 638.2/20

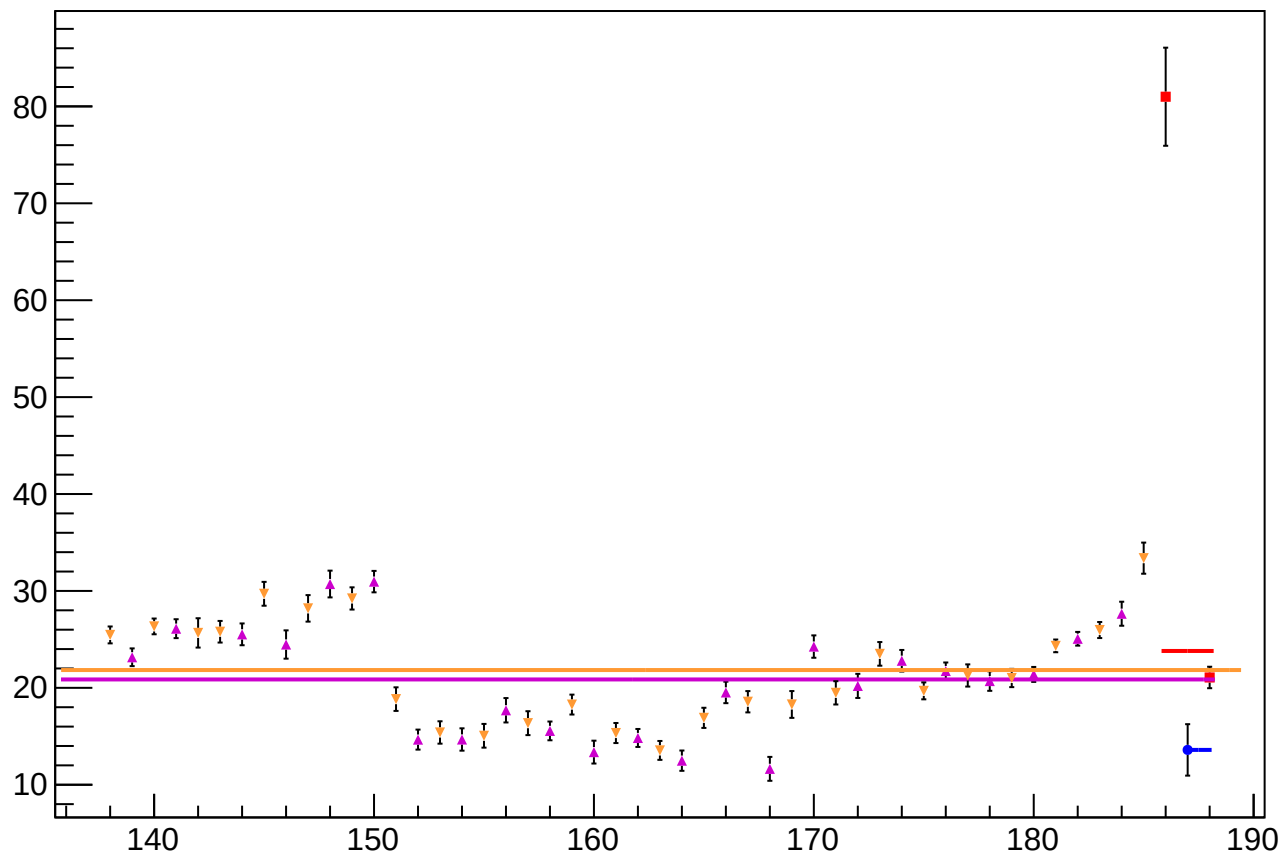
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.229 ± 0.007 χ^2/NDF : 3143.1/42

All: -0.212 ± 0.005 χ^2/NDF : 6931.1/86

- sign -0.195 ± 0.007 χ^2/NDF : 3776.2/43

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 13.595 $\pm$ 2.654 χ^2 /NDF: 0.0/0

Left Out: 21.836 $\pm$ 0.210 χ^2 /NDF: 524.3/24

Right Out: 23.805 $\pm$ 1.081 χ^2 /NDF: 133.8/1

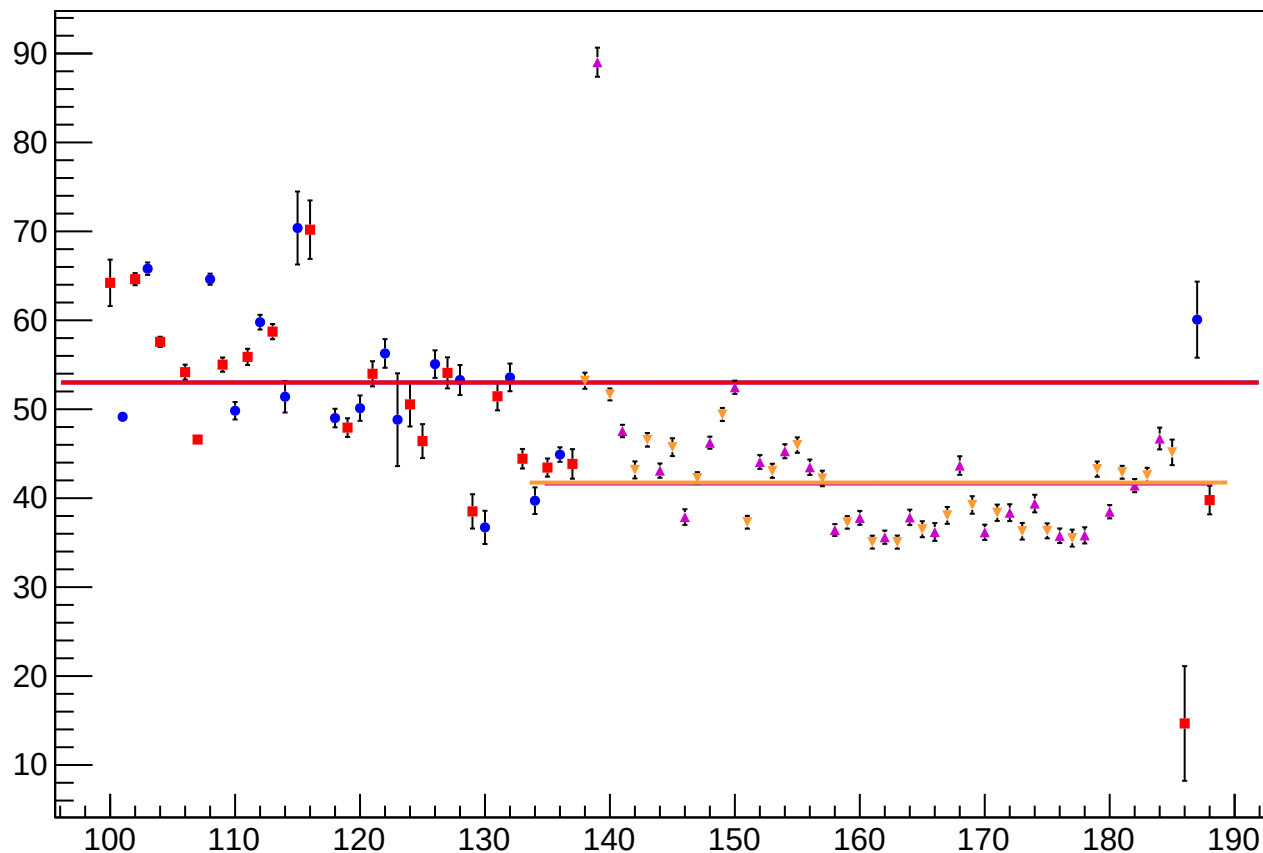
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 21.785 $\pm$ 0.209 χ^2 /NDF: 533.9/25

All: 21.388 $\pm$ 0.149 χ^2 /NDF: 1259.0/50

- sign 20.979 $\pm$ 0.212 χ^2 /NDF: 717.7/24

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 53.011 $\pm$ 0.211 χ^2 /NDF: 1200.6/17

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 53.005 $\pm$ 0.224 χ^2 /NDF: 981.5/20

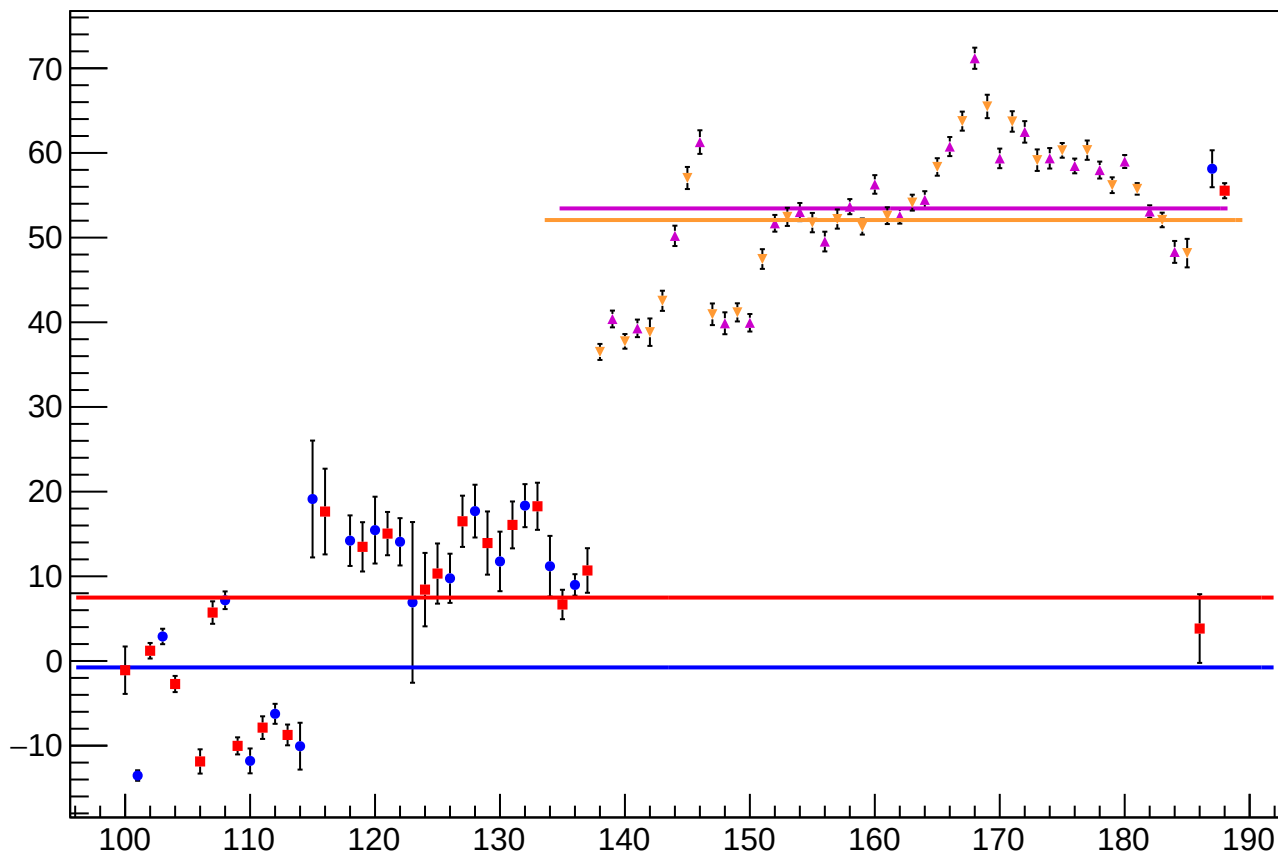
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 46.044 $\pm$ 0.130 χ^2 /NDF: 3980.9/42

All: 45.977 $\pm$ 0.094 χ^2 /NDF: 8176.0/86

- sign 45.901 $\pm$ 0.137 χ^2 /NDF: 4194.5/43

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -0.760 ± 0.360 χ^2/NDF : 1581.1/17

Left Out: 52.076 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: 7.490 ± 0.346 χ^2/NDF : 3915.7/20

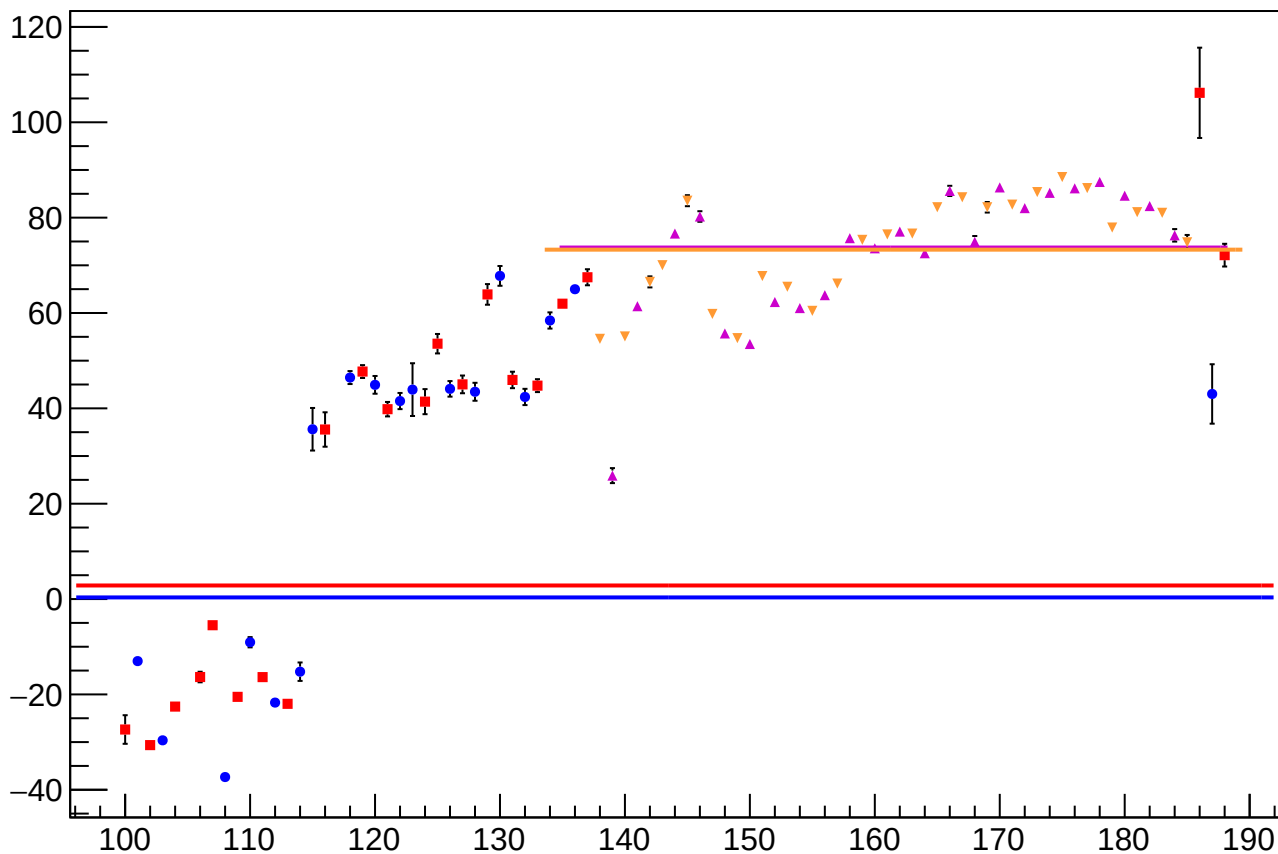
Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

+ sign 38.642 ± 0.181 χ^2/NDF : 19126.9/42

All: 39.626 ± 0.129 χ^2/NDF : 36975.9/86

- sign 40.626 ± 0.183 χ^2/NDF : 17789.6/43

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.342 ± 0.247 $\chi^2/\text{NDF}: 18267.0/17$

Left Out: 73.284 ± 0.187 $\chi^2/\text{NDF}: 3144.2/24$

Right Out: 2.848 ± 0.265 $\chi^2/\text{NDF}: 16390.2/20$

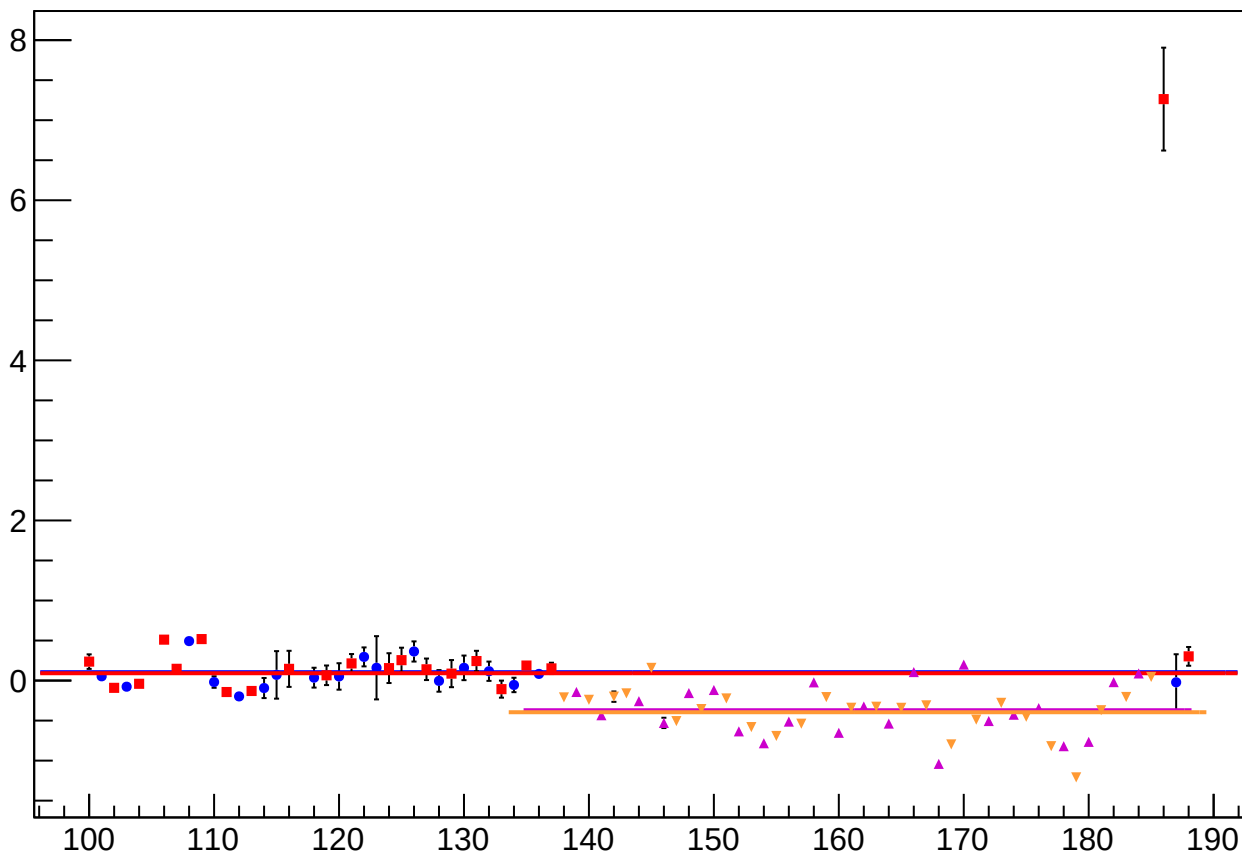
Left In: 73.730 ± 0.194 $\chi^2/\text{NDF}: 3775.8/22$

+ sign 46.797 ± 0.149 $\chi^2/\text{NDF}: 76750.8/42$

All: 47.817 ± 0.108 $\chi^2/\text{NDF}: 143535.8/86$

- sign 48.944 ± 0.157 $\chi^2/\text{NDF}: 66686.5/43$

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 401.0/17

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.092 ± 0.011 χ^2/NDF : 518.7/20

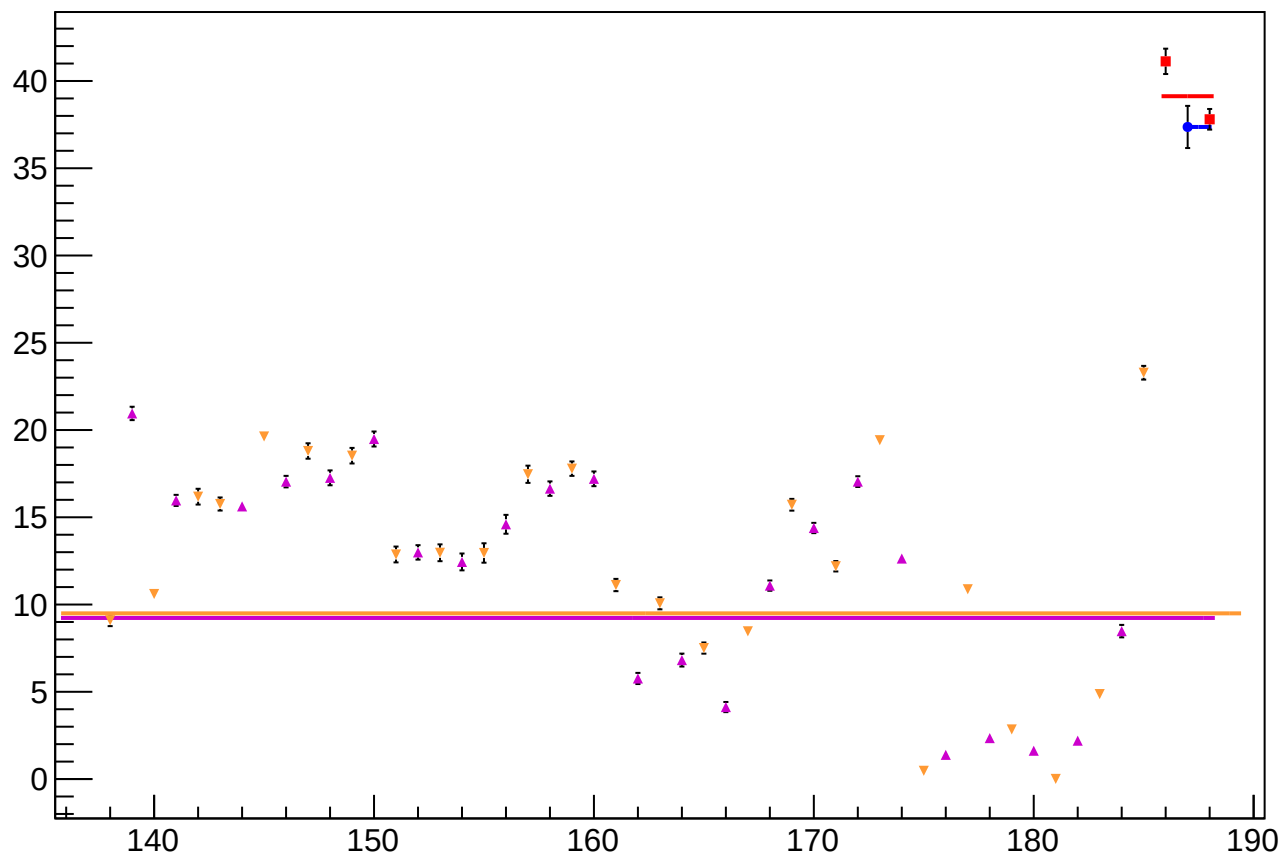
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.208 ± 0.007 χ^2/NDF : 2635.4/42

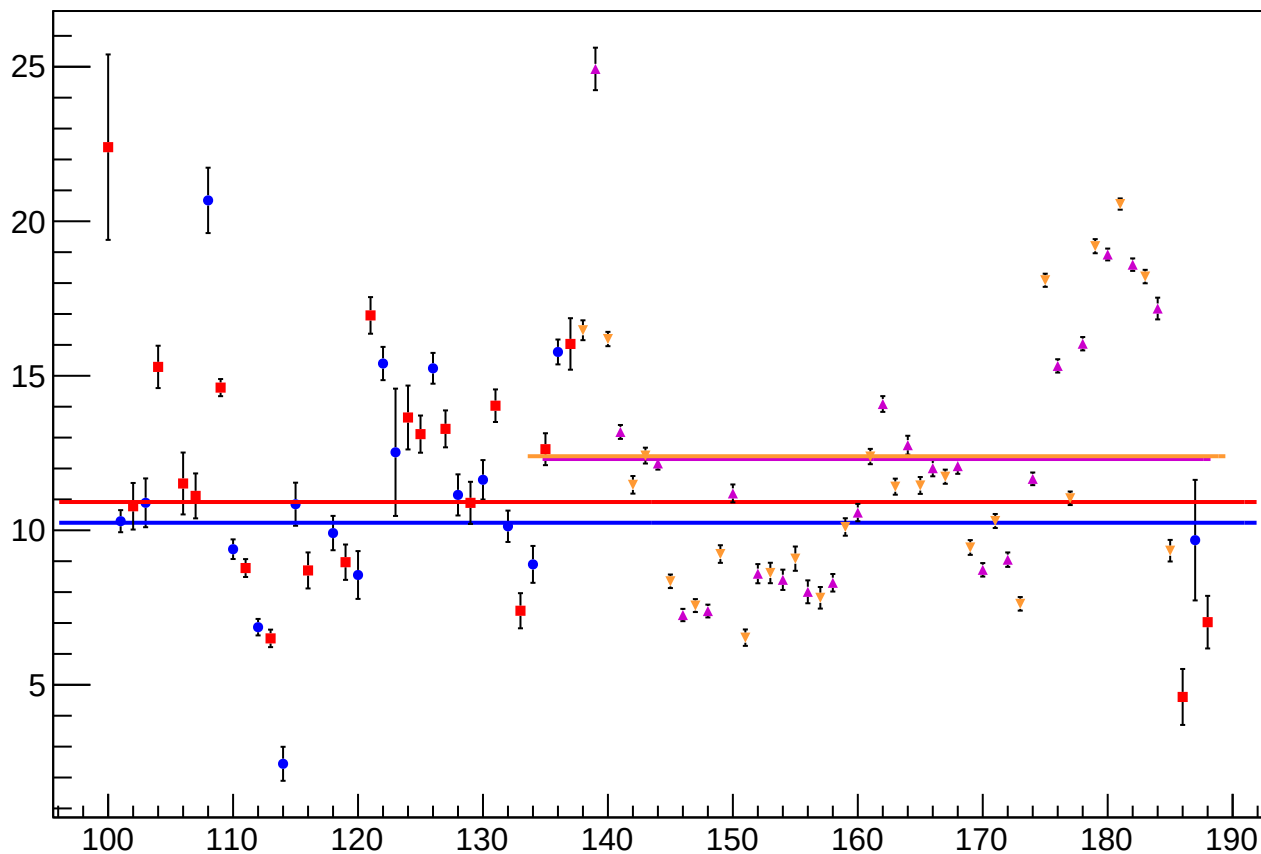
All: -0.200 ± 0.005 χ^2/NDF : 5560.9/86

- sign -0.192 ± 0.007 χ^2/NDF : 2922.7/43

reg_asym_sam7_diff_bpm1X_slope vs Slug



reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.244 $\pm$ 0.119 χ^2/NDF : 866.2/17

Left Out: 12.397 $\pm$ 0.050 χ^2/NDF : 7542.8/24

Right Out: 10.915 $\pm$ 0.115 χ^2/NDF : 888.4/20

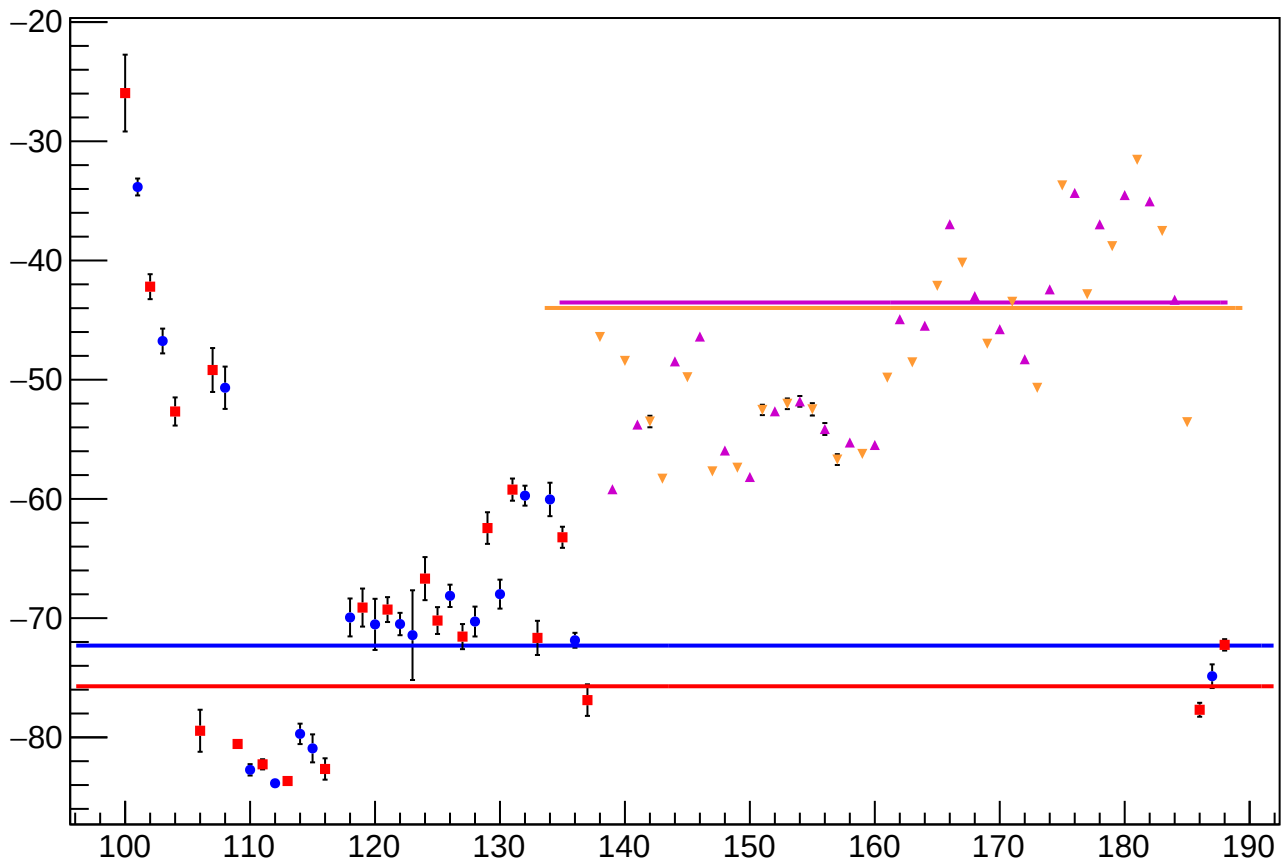
Left In: 12.307 $\pm$ 0.051 χ^2/NDF : 5601.8/22

+ sign 12.079 $\pm$ 0.046 χ^2/NDF : 8686.0/42

All: 12.077 $\pm$ 0.033 χ^2/NDF : 15299.3/86

- sign 12.075 $\pm$ 0.047 χ^2/NDF : 6613.3/43

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.303 ± 0.195 $\chi^2/\text{NDF}: 5569.7/17$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -75.715 ± 0.163 $\chi^2/\text{NDF}: 3526.3/20$

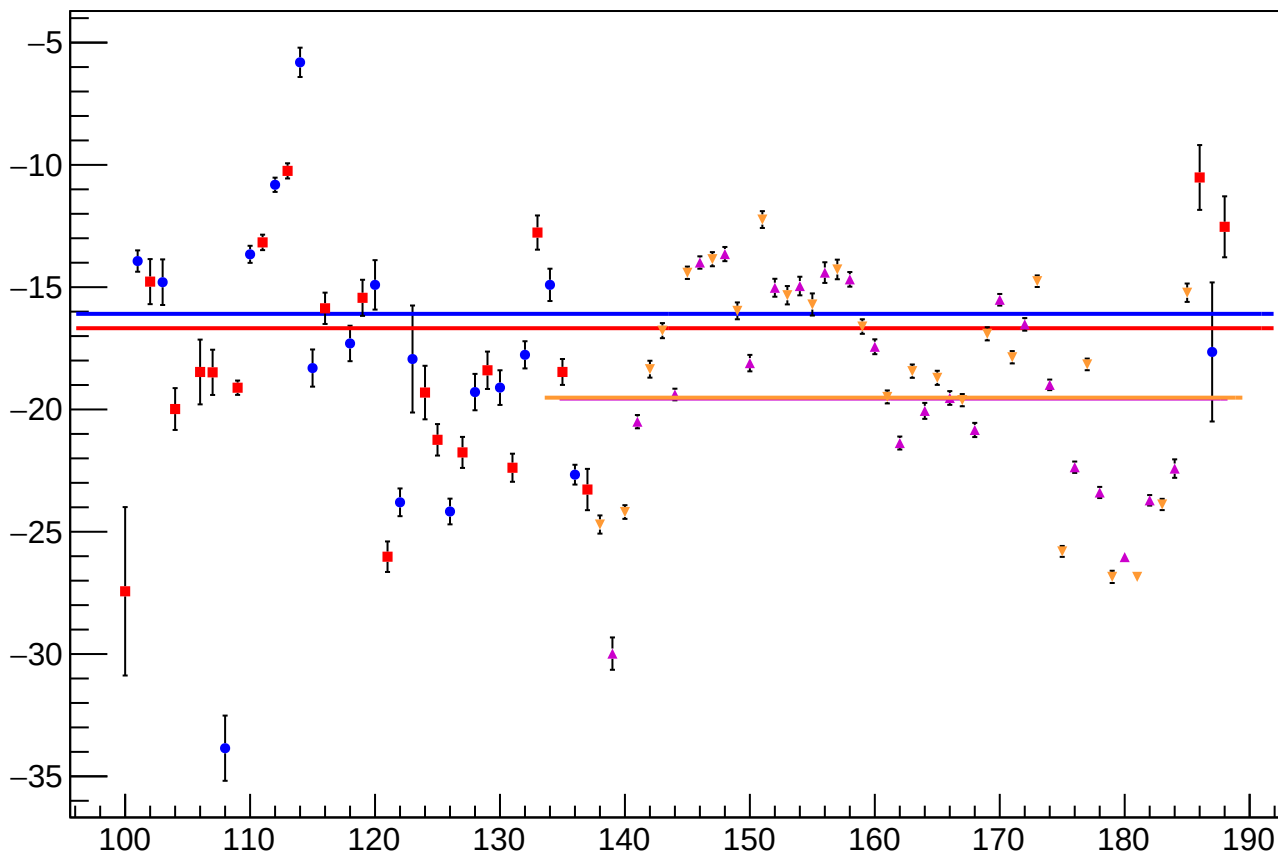
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -46.587 ± 0.059 $\chi^2/\text{NDF}: 42540.6/42$

All: -47.173 ± 0.042 $\chi^2/\text{NDF}: 95536.6/86$

- sign -47.759 ± 0.059 $\chi^2/\text{NDF}: 52799.0/43$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.091 ± 0.133 χ^2/NDF : 1621.0/17

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.678 ± 0.127 χ^2/NDF : 1244.6/20

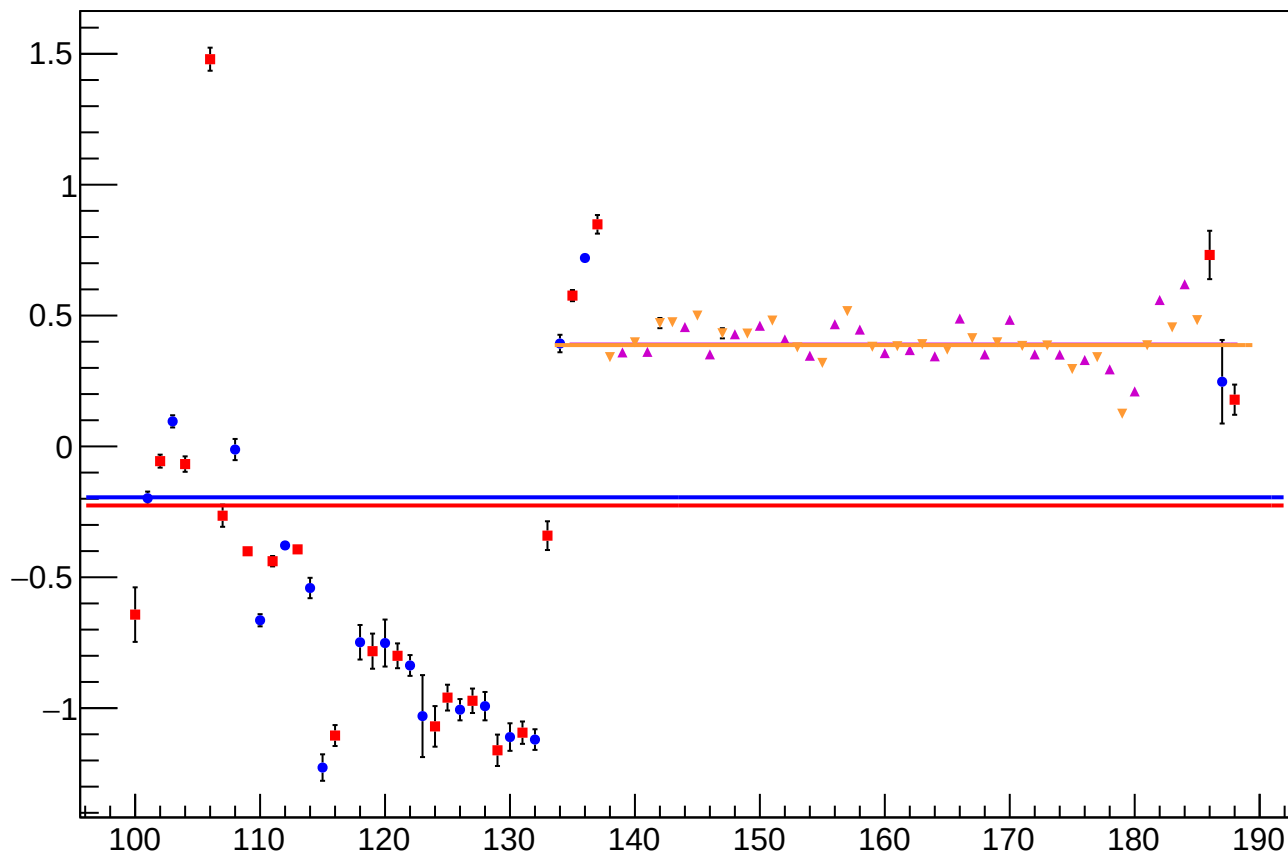
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.003 ± 0.051 χ^2/NDF : 8706.2/42

All: -19.035 ± 0.037 χ^2/NDF : 14688.6/86

- sign -19.068 ± 0.052 χ^2/NDF : 5981.6/43

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.194 ± 0.008 χ^2/NDF : 6324.2/17

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.226 ± 0.007 χ^2/NDF : 6335.7/20

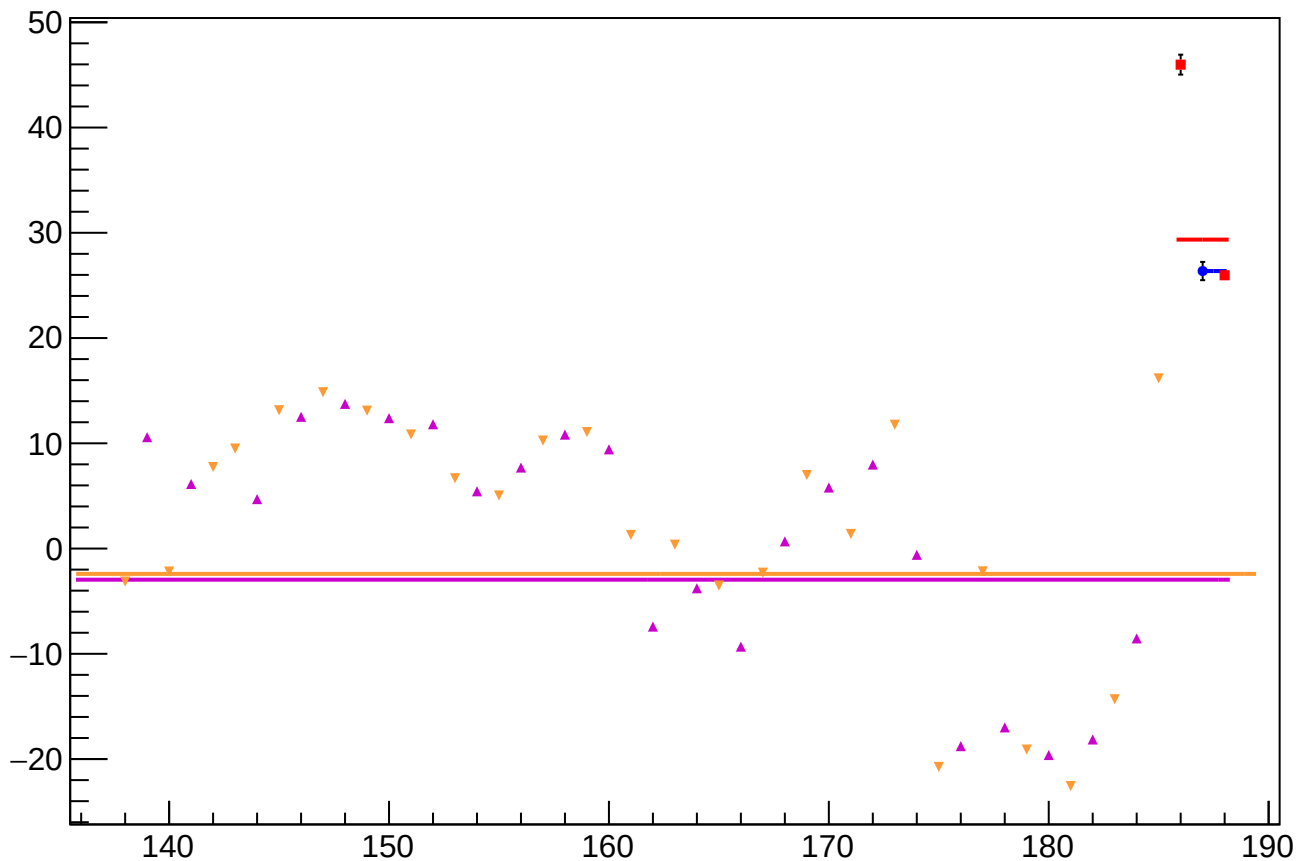
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.327 ± 0.002 χ^2/NDF : 12642.9/42

All: 0.321 ± 0.002 χ^2/NDF : 26833.7/86

- sign 0.316 ± 0.002 χ^2/NDF : 14179.6/43

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 26.366 $\pm$ 0.868 χ^2 /NDF: 0.0/0

Left Out: -2.407 $\pm$ 0.053 χ^2 /NDF: 56368.5/24

Right Out: 29.352 $\pm$ 0.390 χ^2 /NDF: 370.6/1

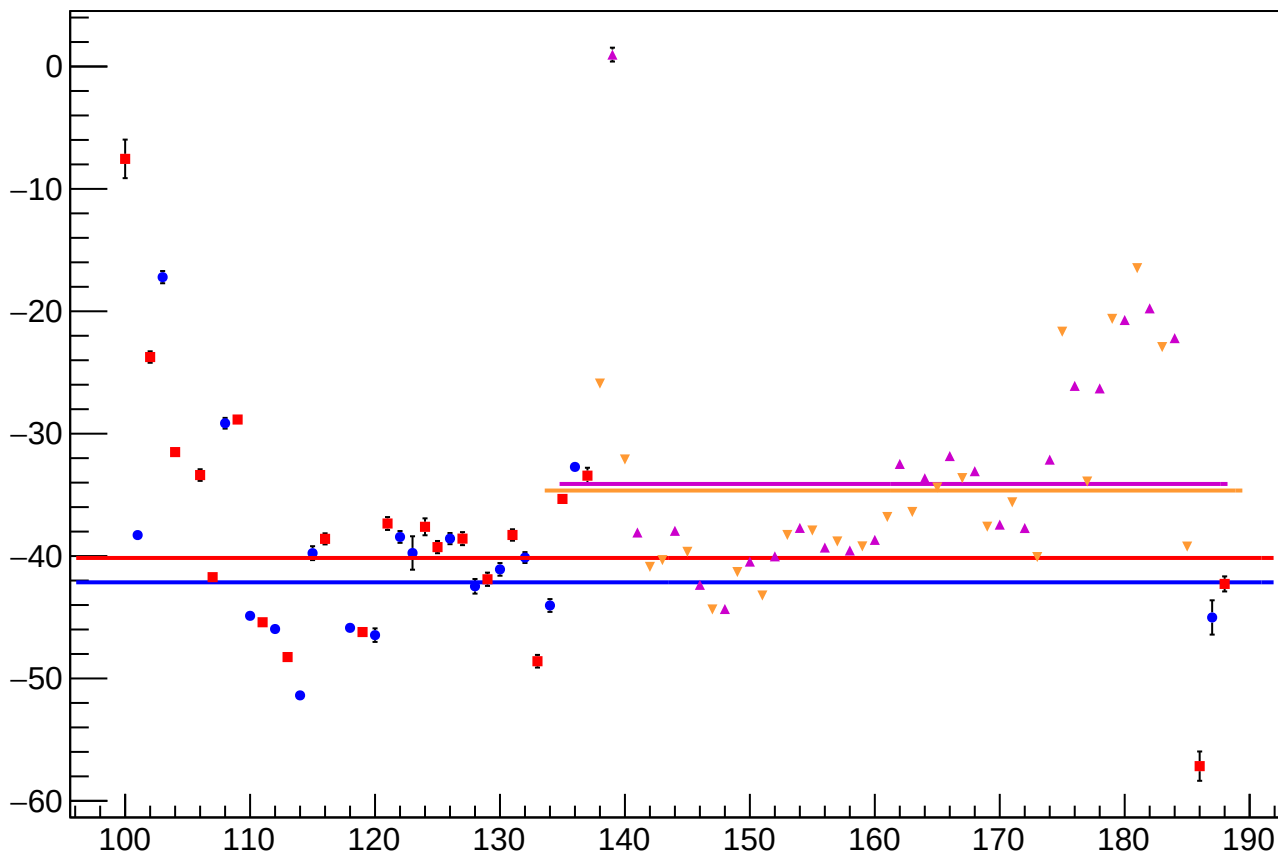
Left In: -2.959 $\pm$ 0.055 χ^2 /NDF: 45922.6/22

+ sign -2.301 $\pm$ 0.053 χ^2 /NDF: 57463.5/25

All: -2.316 $\pm$ 0.038 χ^2 /NDF: 110493.7/50

- sign -2.332 $\pm$ 0.054 χ^2 /NDF: 53030.0/24

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.145 $\pm$ 0.078 χ^2/NDF : 6557.4/17

Left Out: -34.646 $\pm$ 0.042 χ^2/NDF : 34674.7/24

Right Out: -40.154 $\pm$ 0.072 χ^2/NDF : 11535.6/20

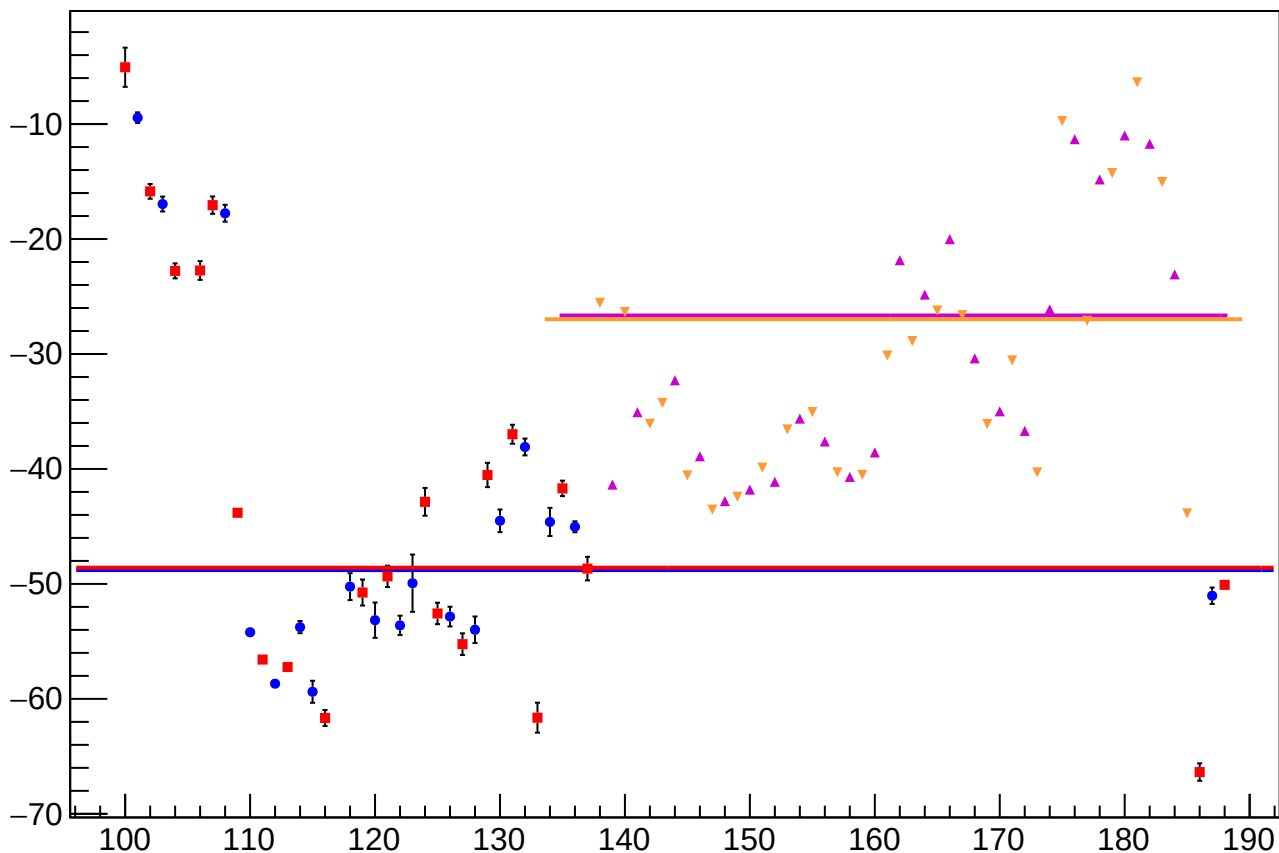
Left In: -34.108 $\pm$ 0.044 χ^2/NDF : 29052.8/22

+ sign -36.316 $\pm$ 0.037 χ^2/NDF : 48408.1/42

All: -36.036 $\pm$ 0.026 χ^2/NDF : 94233.0/86

- sign -35.744 $\pm$ 0.038 χ^2/NDF : 45706.8/43

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.797 ± 0.123 $\chi^2/\text{NDF}: 14669.5/17$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -48.587 ± 0.102 $\chi^2/\text{NDF}: 12321.5/20$

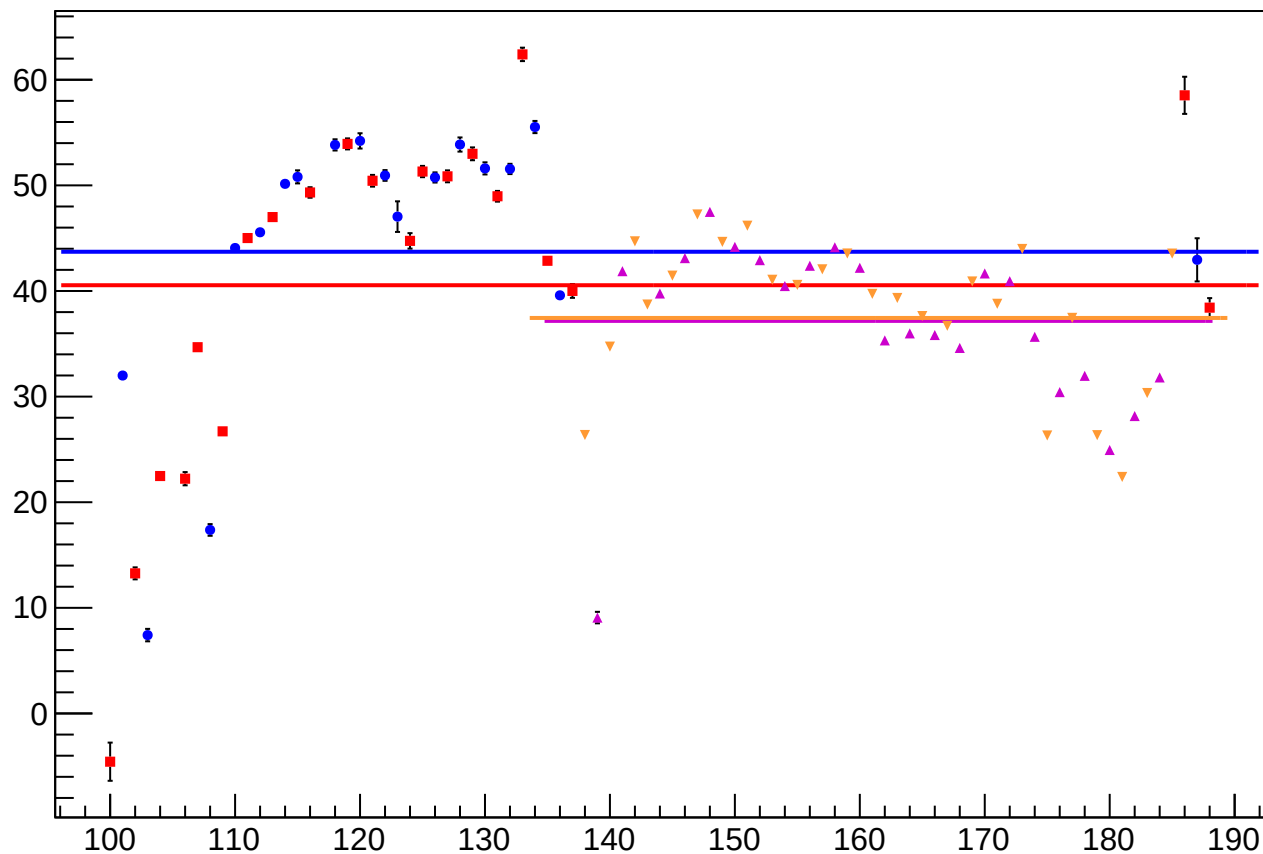
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.417 ± 0.049 $\chi^2/\text{NDF}: 90556.8/42$

All: -31.025 ± 0.034 $\chi^2/\text{NDF}: 181385.8/86$

- sign -31.620 ± 0.048 $\chi^2/\text{NDF}: 90522.3/43$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.715 $\pm$ 0.087 χ^2 /NDF: 10564.4/17

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 40.545 $\pm$ 0.080 χ^2 /NDF: 17688.8/20

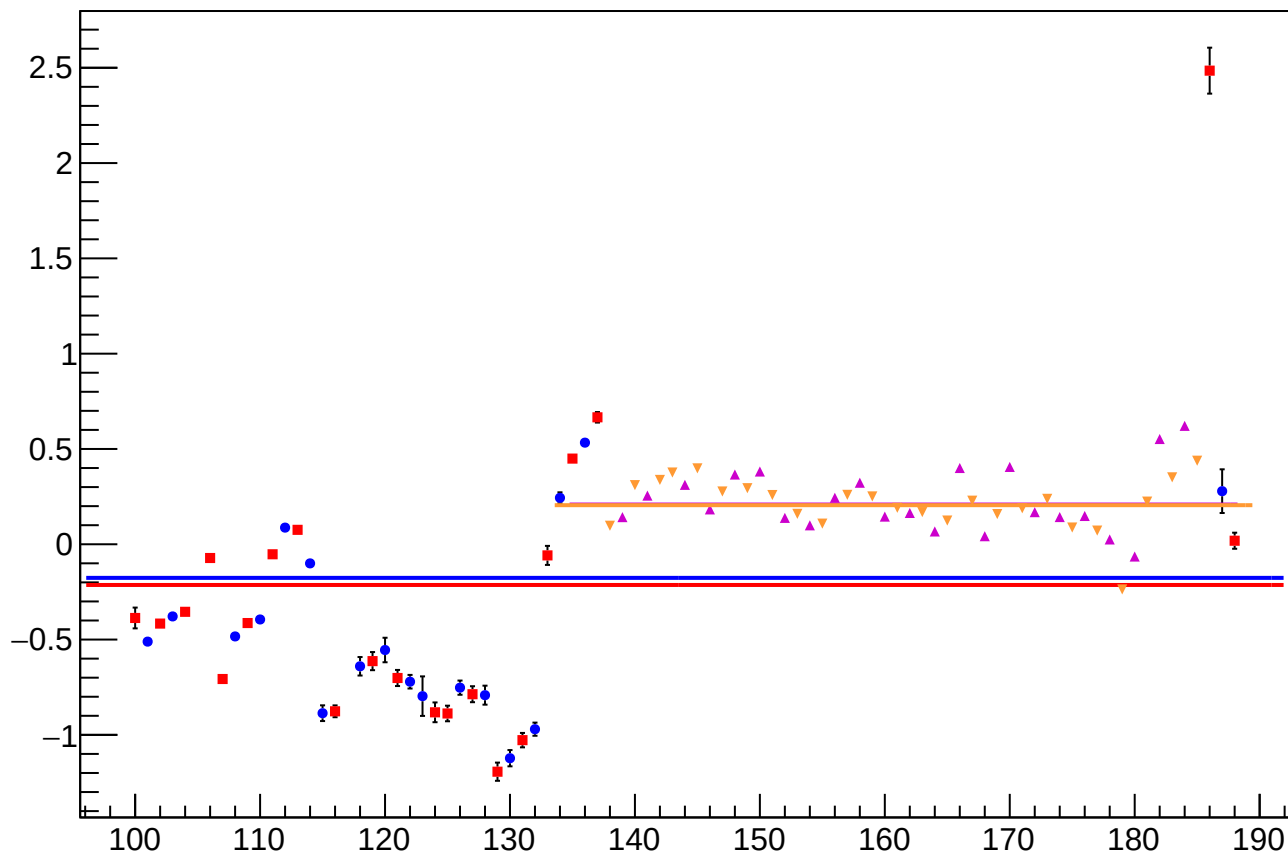
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.871 $\pm$ 0.041 χ^2 /NDF: 36150.4/42

All: 38.490 $\pm$ 0.029 χ^2 /NDF: 72542.3/86

- sign 38.100 $\pm$ 0.042 χ^2 /NDF: 36220.9/43

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.176 ± 0.005 χ^2/NDF : 7369.3/17

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.214 ± 0.004 χ^2/NDF : 7950.3/20

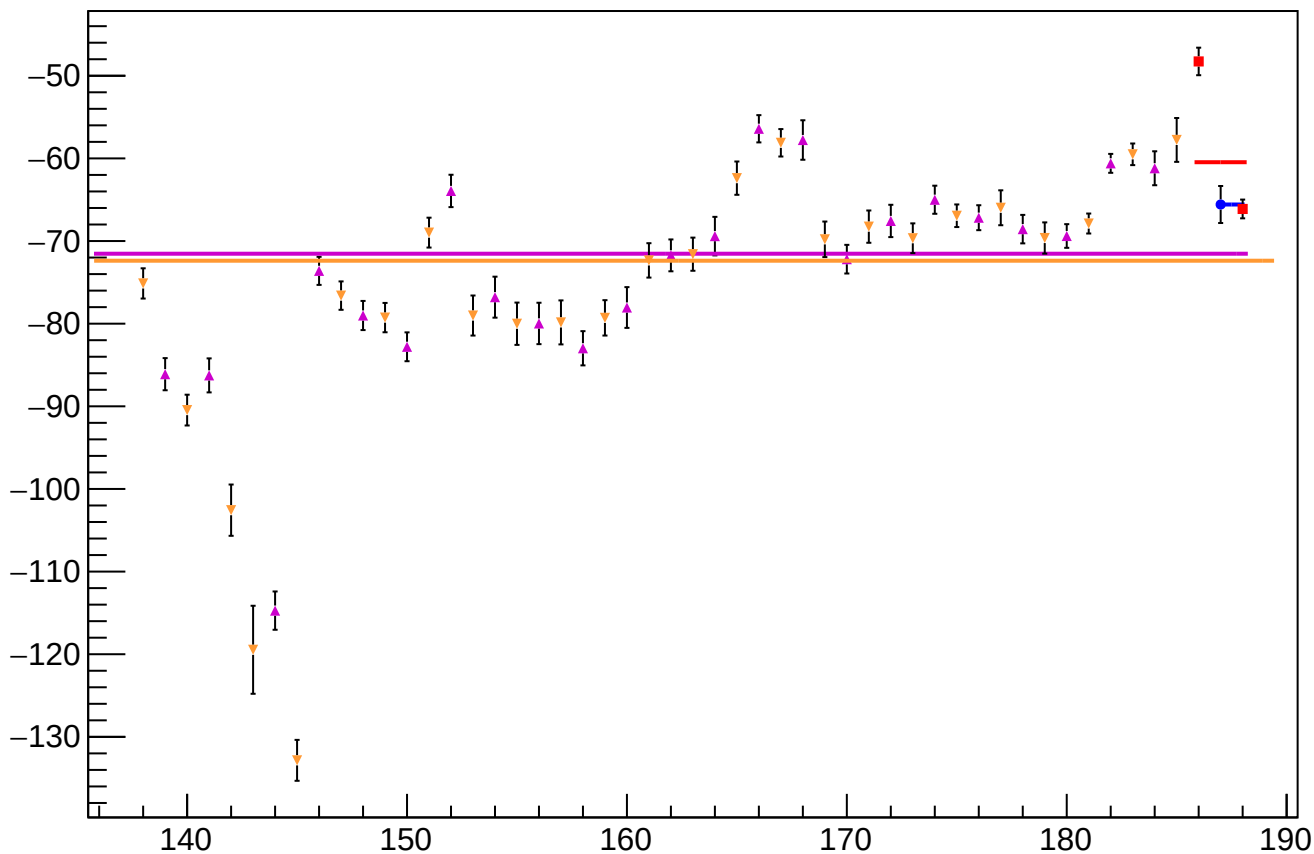
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.141 ± 0.002 χ^2/NDF : 16355.4/42

All: 0.129 ± 0.001 χ^2/NDF : 37096.6/86

- sign 0.117 ± 0.002 χ^2/NDF : 20669.7/43

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -65.579 ± 2.239 χ^2/NDF : 0.0/0

Left Out: -72.381 ± 0.382 χ^2/NDF : 1199.9/24

Right Out: -60.461 ± 0.938 χ^2/NDF : 78.4/1

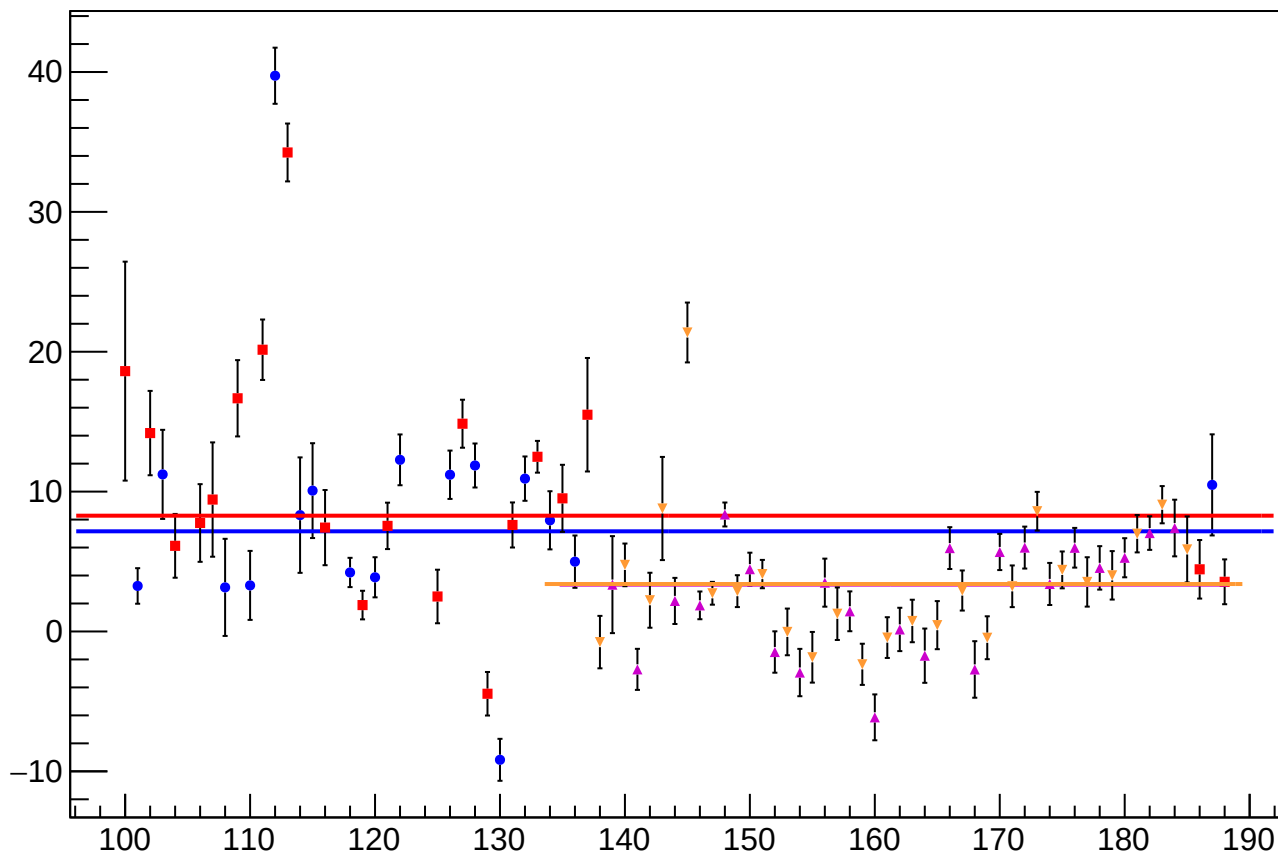
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -72.189 ± 0.376 χ^2/NDF : 1208.8/25

All: -71.005 ± 0.258 χ^2/NDF : 2276.9/50

- sign -69.961 ± 0.354 χ^2/NDF : 1049.4/24

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.161 ± 0.437 χ^2/NDF : 441.3/16

Left Out: 3.392 ± 0.294 χ^2/NDF : 169.9/24

Right Out: 8.278 ± 0.423 χ^2/NDF : 363.2/19

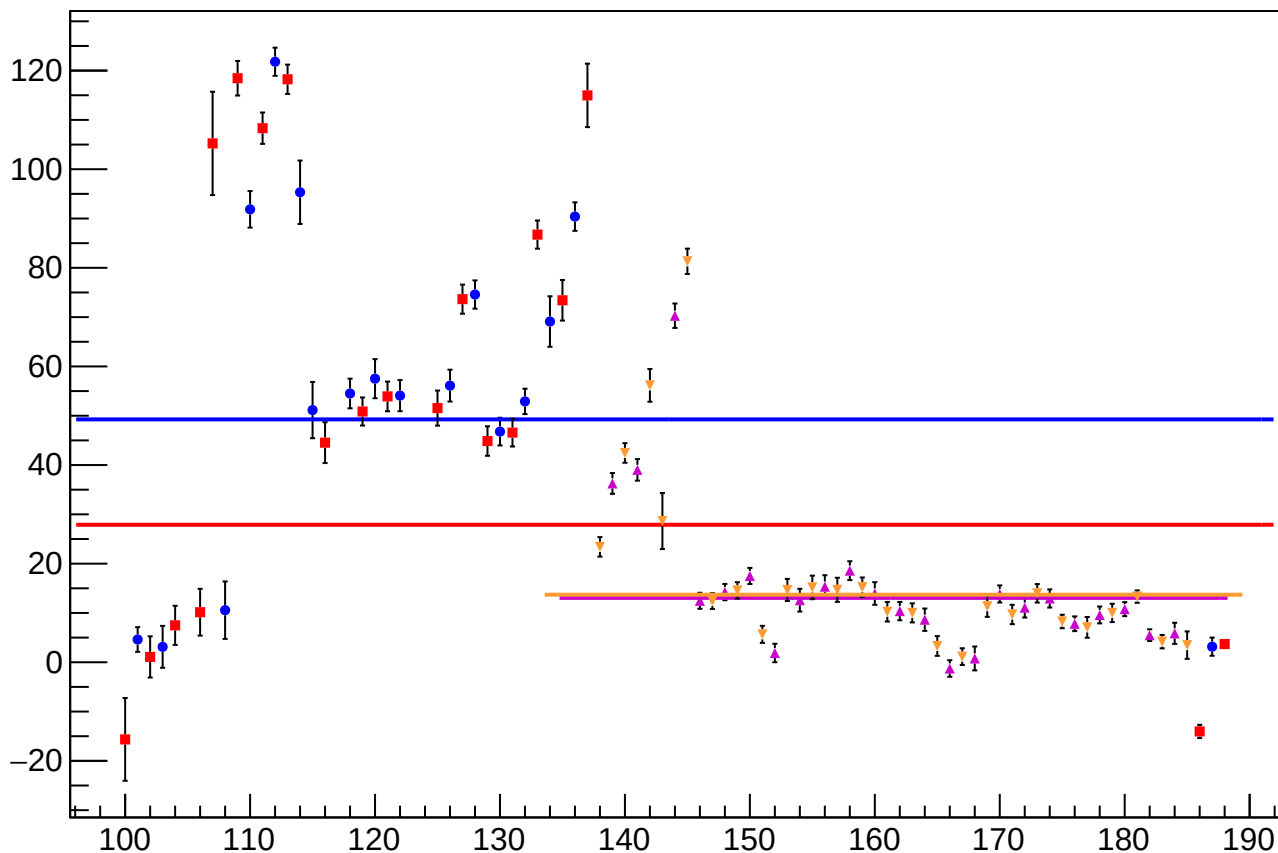
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.565 ± 0.244 χ^2/NDF : 662.4/41

All: 4.775 ± 0.172 χ^2/NDF : 1281.3/84

- sign 4.985 ± 0.244 χ^2/NDF : 617.4/42

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 49.259 $\pm$ 0.763 χ^2 /NDF: 2248.6/16

Left Out: 13.700 $\pm$ 0.381 χ^2 /NDF:1307.0/24

Right Out: 27.886 $\pm$ 0.563 χ^2 /NDF: 5312.4/19

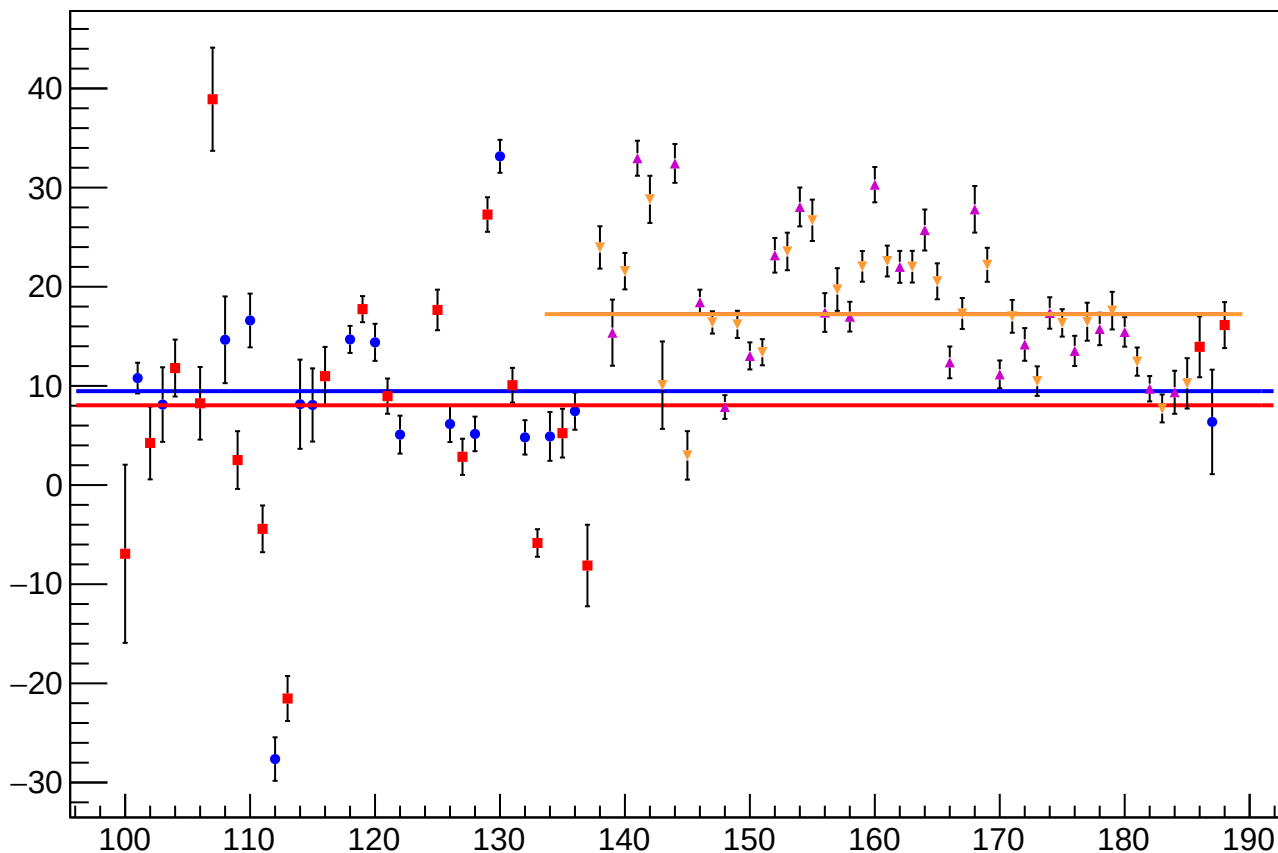
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 20.793 $\pm$ 0.341 χ^2 /NDF: 5293.9/41

All: 19.120 $\pm$ 0.231 χ^2 /NDF: 12152.2/84

- sign 17.692 $\pm$ 0.315 χ^2 /NDF: 6813.6/42

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.471 ± 0.505 $\chi^2/\text{NDF}: 547.6/16$

Left Out: 17.238 ± 0.336 $\chi^2/\text{NDF}: 246.5/24$

Right Out: 8.044 ± 0.497 $\chi^2/\text{NDF}: 584.0/19$

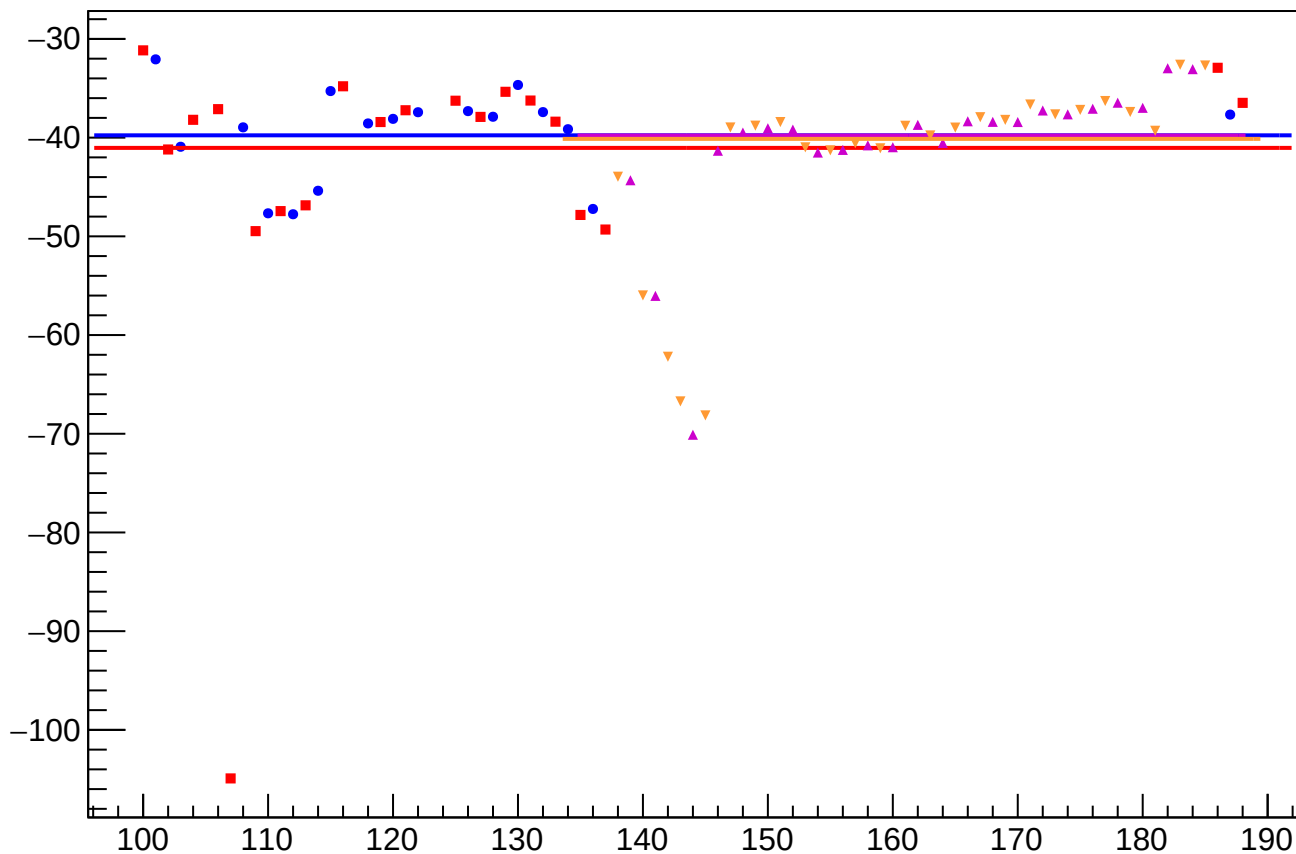
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.856 ± 0.280 $\chi^2/\text{NDF}: 957.9/41$

All: 14.587 ± 0.198 $\chi^2/\text{NDF}: 2218.2/84$

- sign 14.318 ± 0.280 $\chi^2/\text{NDF}: 1258.5/42$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.766 ± 0.031 χ^2/NDF : 26154.5/16

Left Out: -40.126 ± 0.016 χ^2/NDF : 185897.0/24

Right Out: -41.039 ± 0.030 χ^2/NDF : 98226.8/19

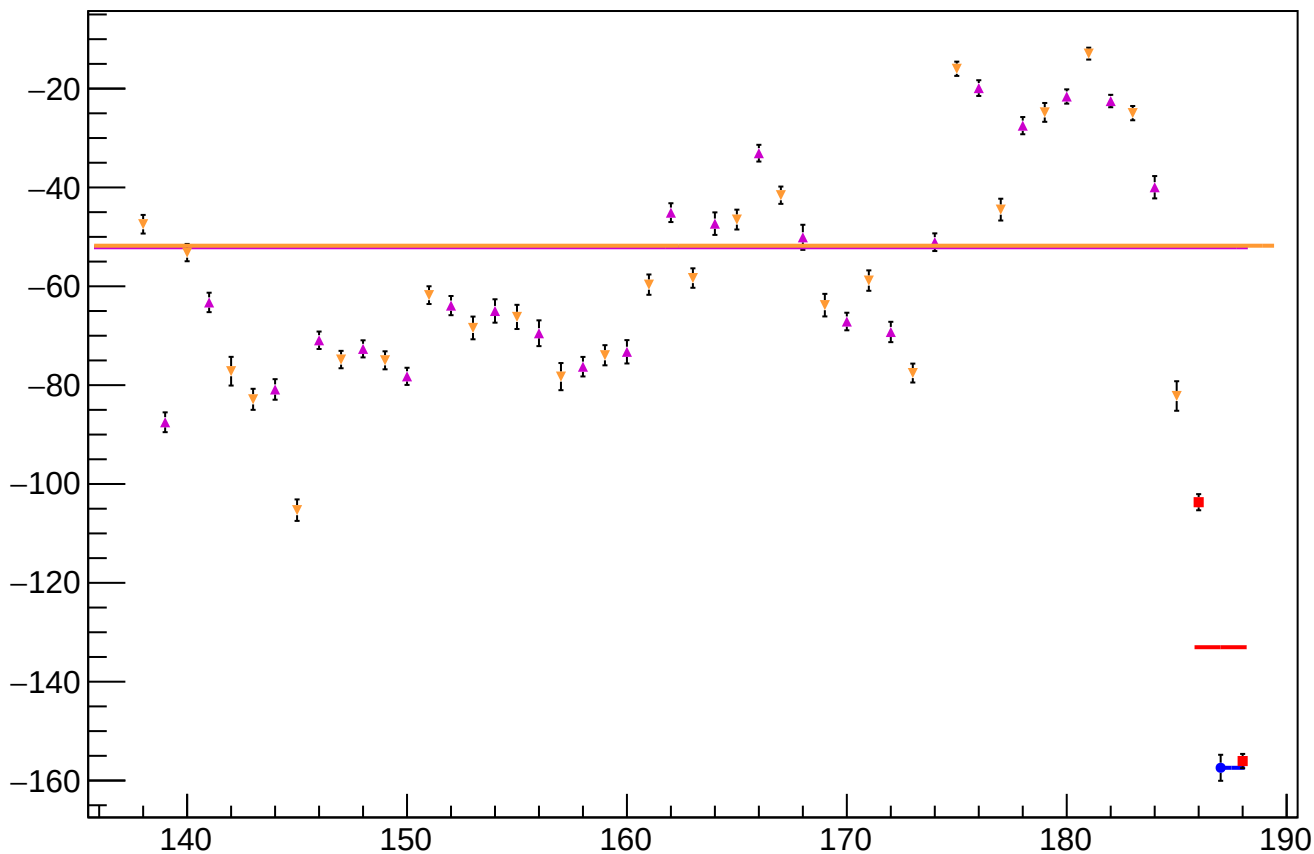
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -40.053 ± 0.014 χ^2/NDF : 212158.1/41

All: -40.056 ± 0.010 χ^2/NDF : 456284.4/84

- sign -40.059 ± 0.014 χ^2/NDF : 244126.2/42

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -157.422 ± 2.632 χ^2/NDF : 0.0/0

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -133.024 ± 1.082 χ^2/NDF : 577.3/1

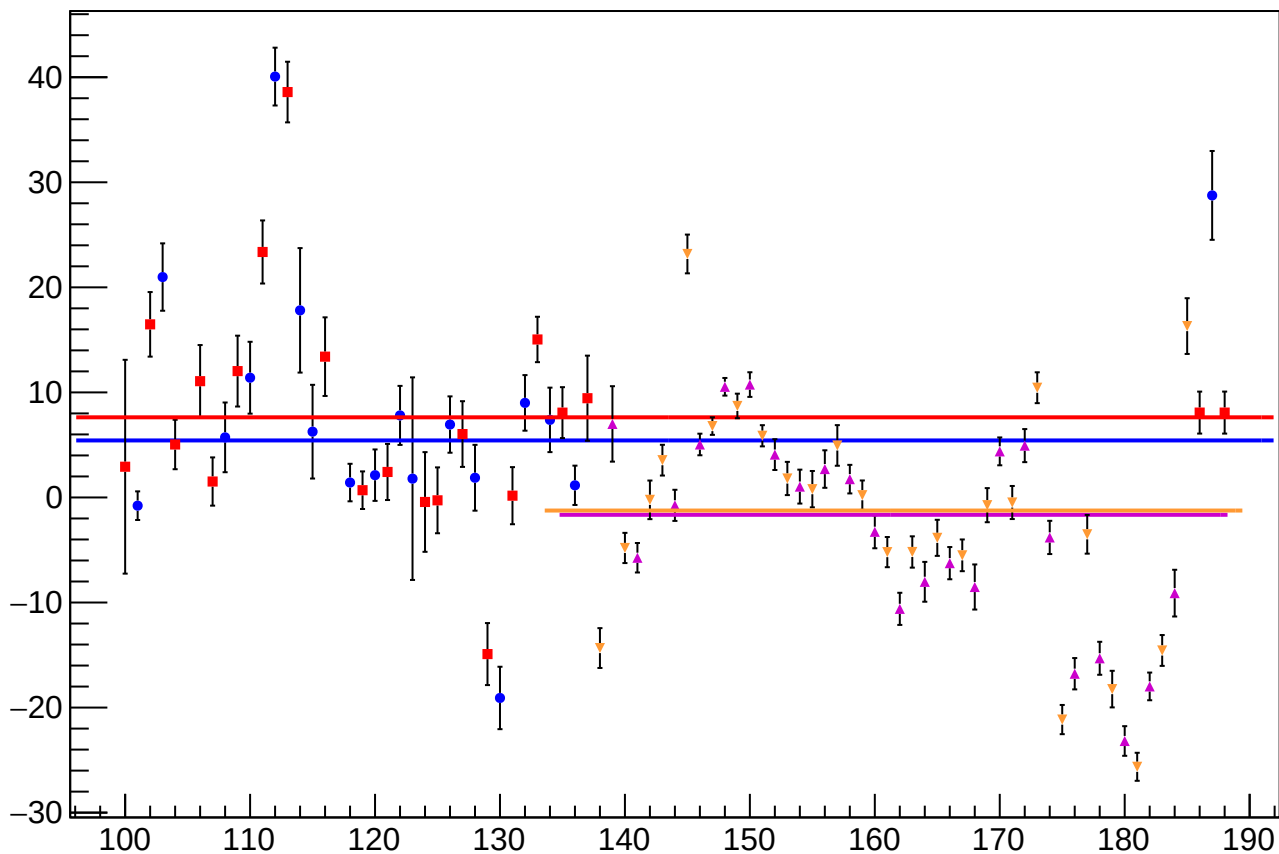
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -53.973 ± 0.379 χ^2/NDF : 5742.6/25

All: -57.790 ± 0.263 χ^2/NDF : 14750.4/50

- sign -61.352 ± 0.366 χ^2/NDF : 8811.4/24

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 5.427 ± 0.622 $\chi^2/\text{NDF}: 325.4/17$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 7.628 ± 0.592 $\chi^2/\text{NDF}: 270.7/20$

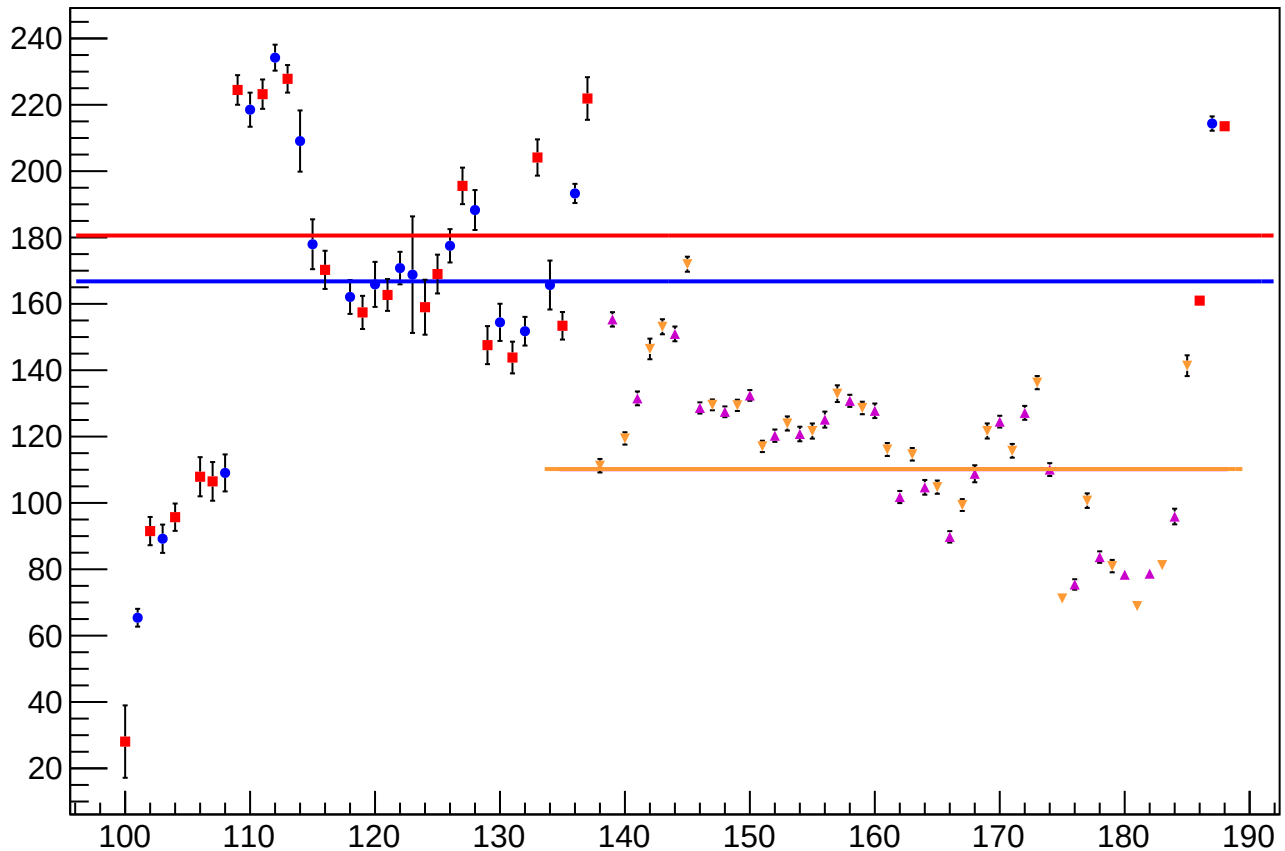
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign -0.042 ± 0.264 $\chi^2/\text{NDF}: 1742.5/42$

All: 0.102 ± 0.188 $\chi^2/\text{NDF}: 3301.6/86$

- sign 0.249 ± 0.268 $\chi^2/\text{NDF}: 1558.5/43$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 166.784 ± 1.017 $\chi^2/\text{NDF}: 2888.4/17$

Left Out: 110.213 ± 0.382 $\chi^2/\text{NDF}: 4593.7/24$

Right Out: 180.602 ± 0.698 $\chi^2/\text{NDF}: 2971.8/20$

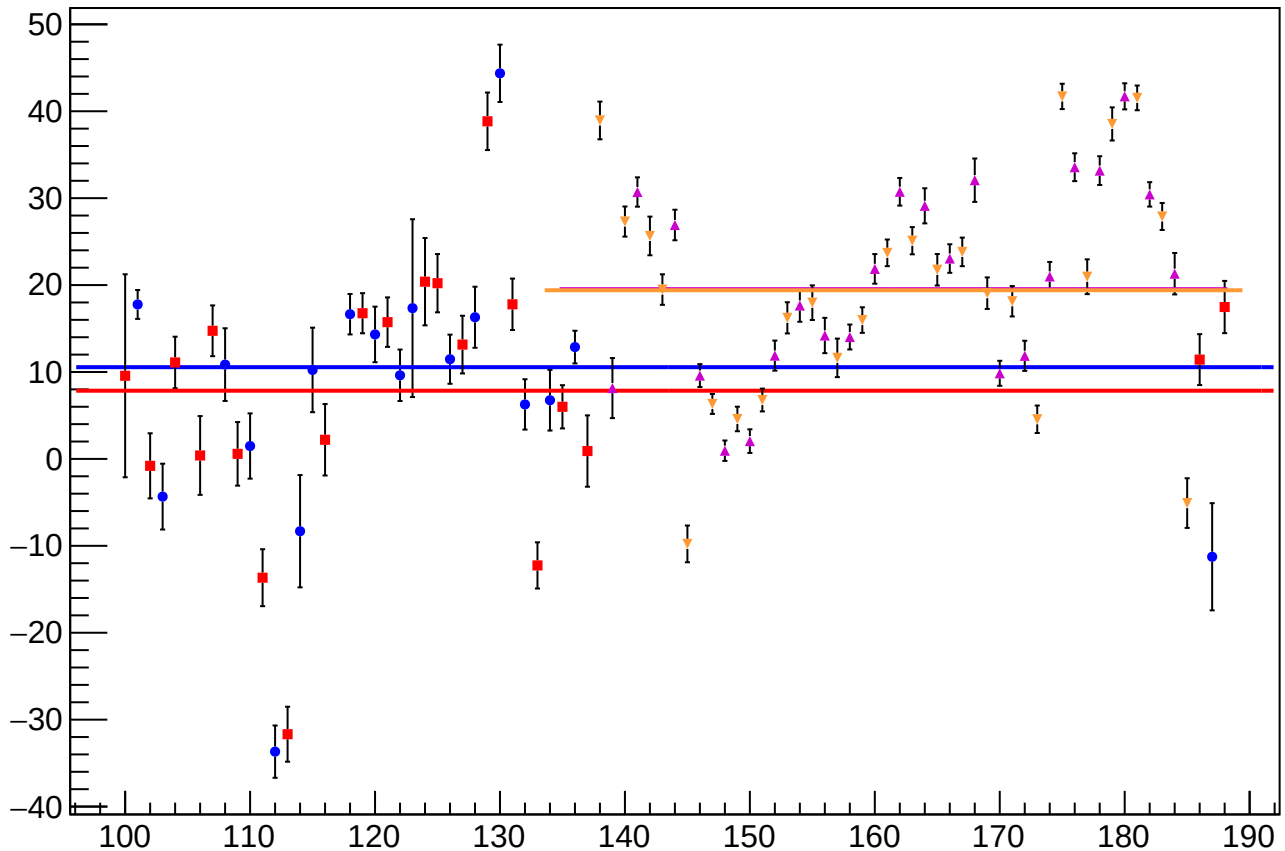
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 117.214 ± 0.358 $\chi^2/\text{NDF}: 10195.7/42$

All: 122.199 ± 0.246 $\chi^2/\text{NDF}: 25027.1/86$

- sign 126.648 ± 0.338 $\chi^2/\text{NDF}: 14463.6/43$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.555 $\pm$ 0.716 χ^2 /NDF: 399.0/17

Left Out: 19.405 $\pm$ 0.335 χ^2 /NDF:1453.4/24

Right Out: 7.847 $\pm$ 0.705 χ^2 /NDF: 436.3/20

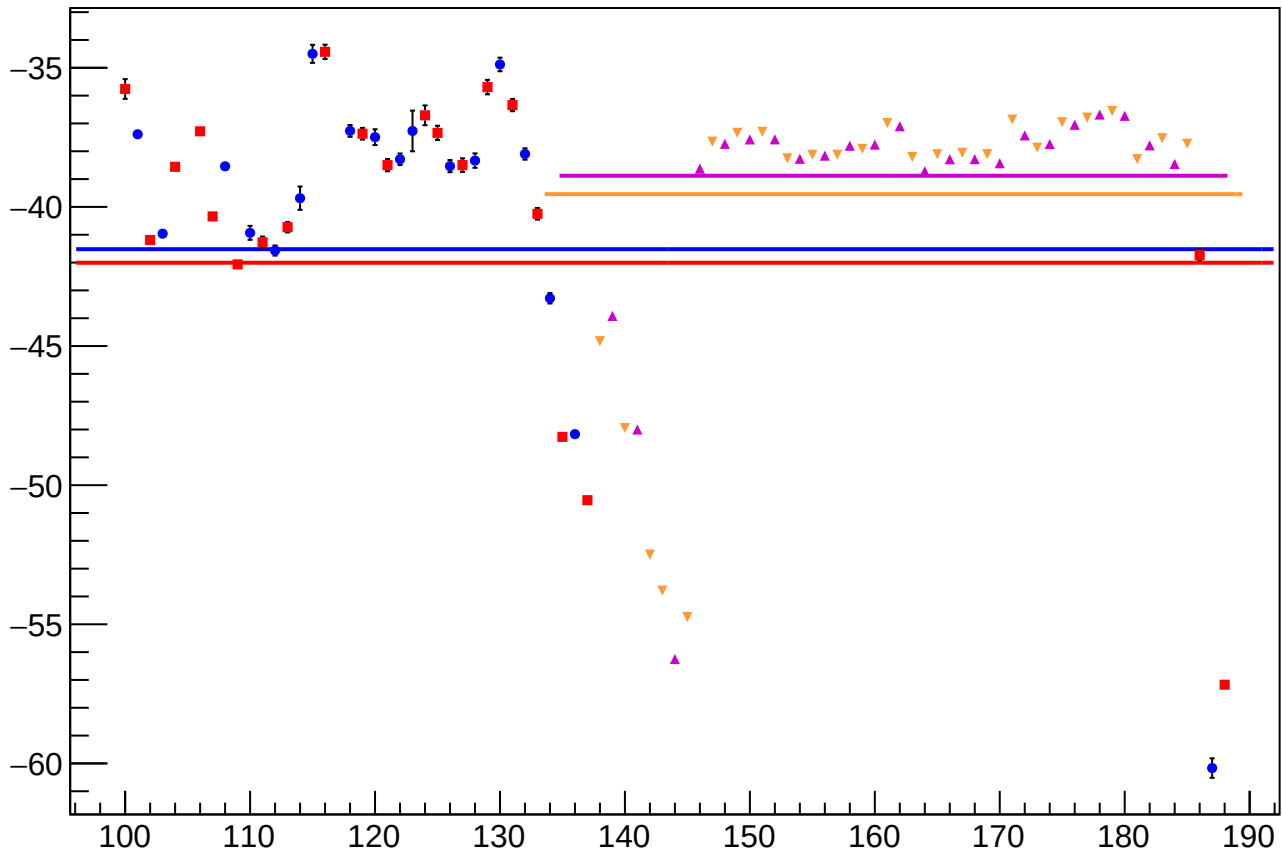
Left In: 19.530 $\pm$ 0.342 χ^2 /NDF:1181.3/22

+ sign 17.817 $\pm$ 0.303 χ^2 /NDF: 1977.8/42

All: 17.563 $\pm$ 0.216 χ^2 /NDF: 3819.0/86

- sign 17.300 $\pm$ 0.308 χ^2 /NDF: 1839.8/43

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.519 ± 0.038 χ^2/NDF : 15372.1/17

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -42.006 ± 0.037 χ^2/NDF : 21664.9/20

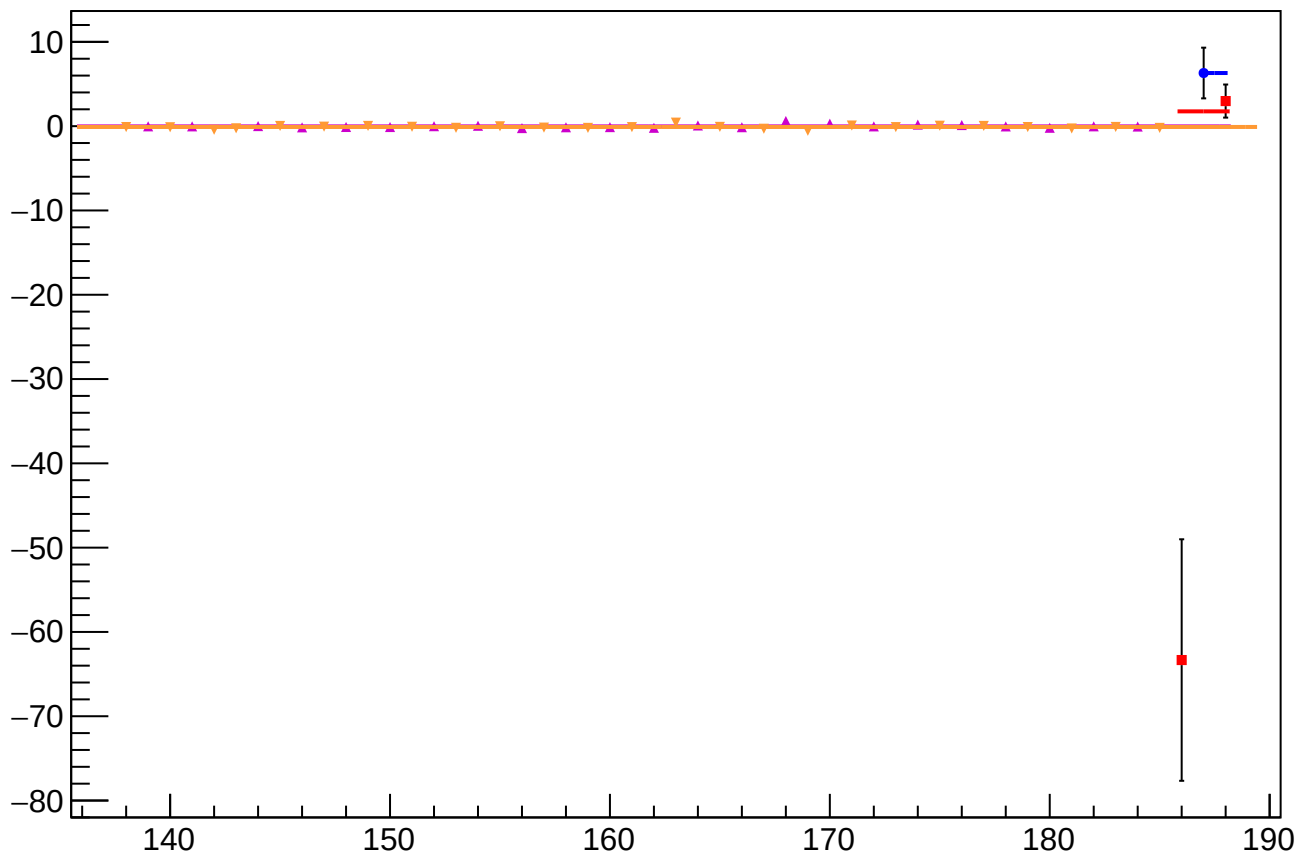
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.826 ± 0.015 χ^2/NDF : 109666.3/42

All: -39.596 ± 0.010 χ^2/NDF : 191264.6/86

- sign -39.365 ± 0.015 χ^2/NDF : 81097.2/43

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 6.304 ± 3.007 χ^2/NDF : 0.0/0

Left Out: -0.095 ± 0.022 χ^2/NDF : 41.8/24

Right Out: 1.755 ± 1.945 χ^2/NDF : 21.0/1

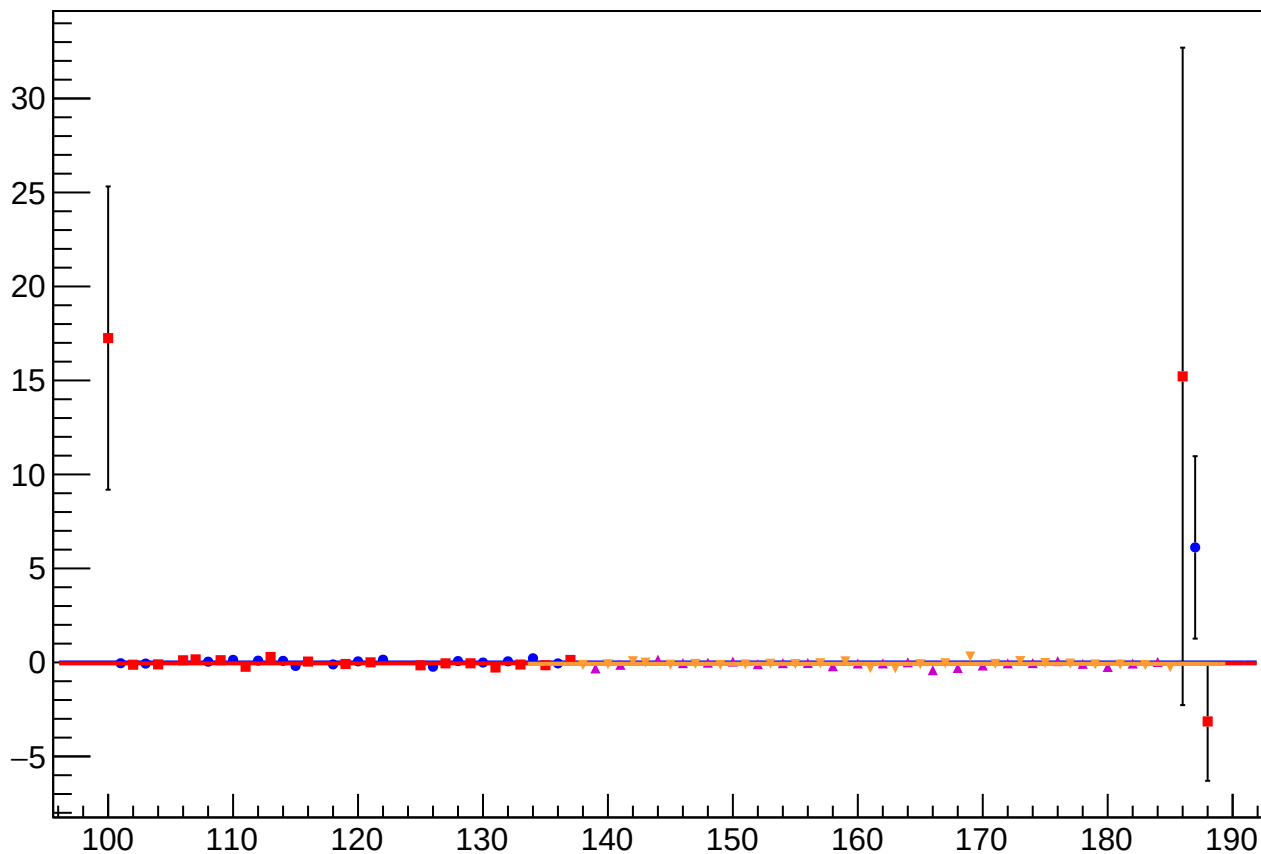
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.094 ± 0.022 χ^2/NDF : 46.4/25

All: -0.061 ± 0.016 χ^2/NDF : 106.5/50

- sign -0.025 ± 0.022 χ^2/NDF : 55.2/24

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 14.3/16

Left Out: -0.078 ± 0.017 χ^2/NDF : 26.6/24

Right Out: -0.050 ± 0.029 χ^2/NDF : 27.2/19

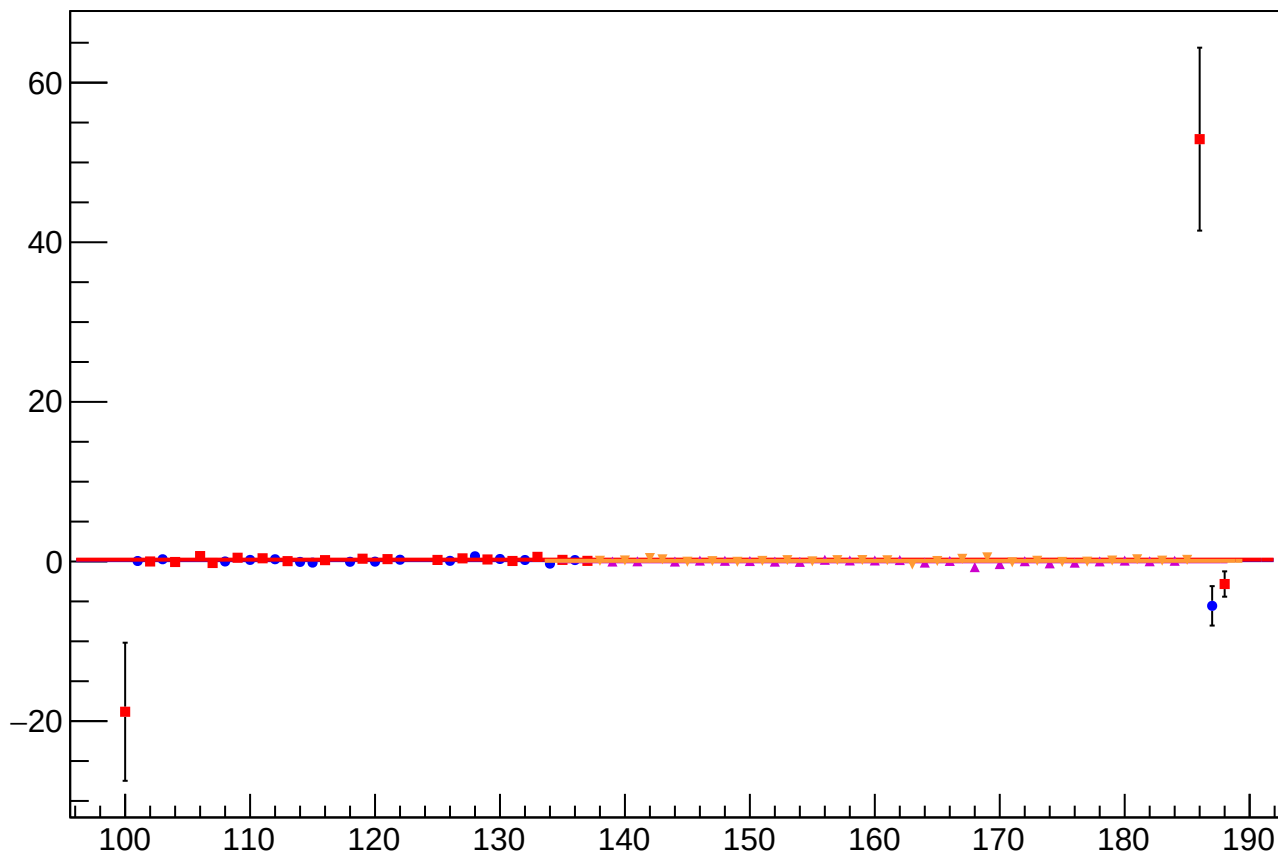
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.058 ± 0.015 χ^2/NDF : 46.1/41

All: -0.055 ± 0.010 χ^2/NDF : 105.1/84

- sign -0.052 ± 0.015 χ^2/NDF : 58.9/42

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 $\pm$ 0.053 χ^2 /NDF: 17.8/16

Left Out: 0.088 $\pm$ 0.022 χ^2 /NDF: 40.7/24

Right Out: 0.233 $\pm$ 0.054 χ^2 /NDF: 46.4/19

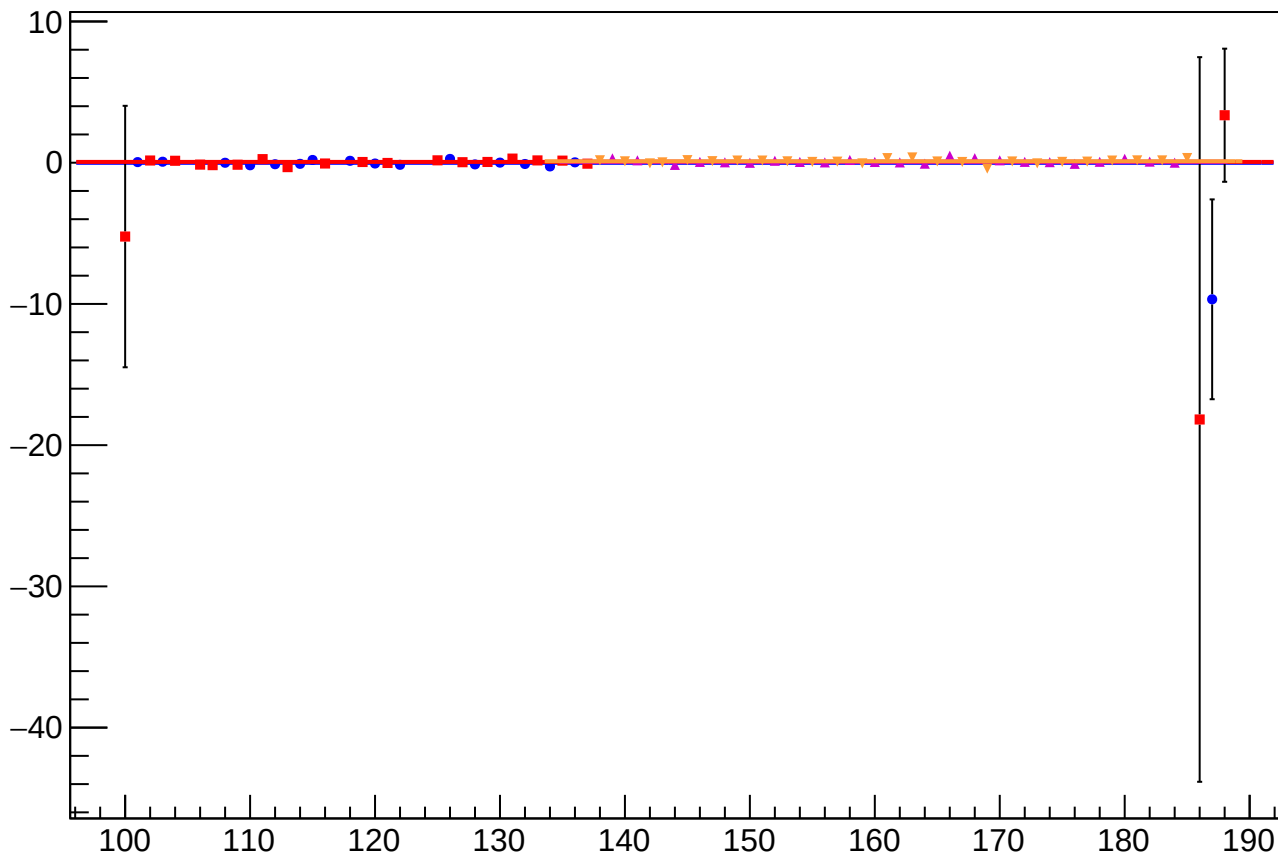
Left In: 0.020 $\pm$ 0.022 χ^2 /NDF: 35.6/22

+ sign 0.100 $\pm$ 0.020 χ^2 /NDF: 60.7/41

All: 0.076 $\pm$ 0.014 χ^2 /NDF: 158.9/84

- sign 0.051 $\pm$ 0.021 χ^2 /NDF: 95.3/42

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 15.9/16

Left Out: 0.102 ± 0.019 χ^2/NDF : 30.2/24

Right Out: 0.057 ± 0.034 χ^2/NDF : 21.3/19

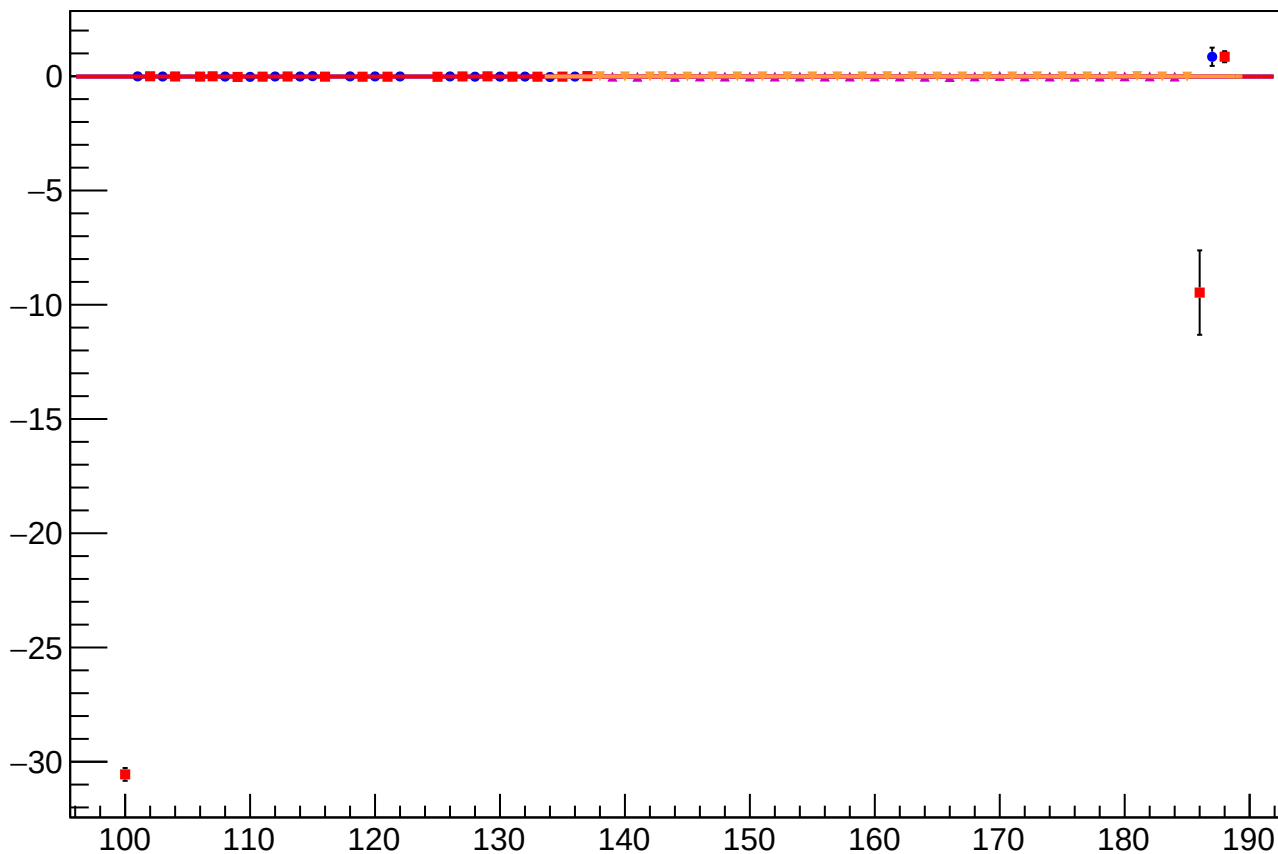
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.074 ± 0.017 χ^2/NDF : 54.2/41

All: 0.070 ± 0.012 χ^2/NDF : 107.1/84

- sign 0.066 ± 0.017 χ^2/NDF : 52.8/42

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 17.5/16

Left Out: -0.008 ± 0.001 χ^2/NDF : 34.7/24

Right Out: -0.012 ± 0.002 χ^2/NDF : 11929.9/19

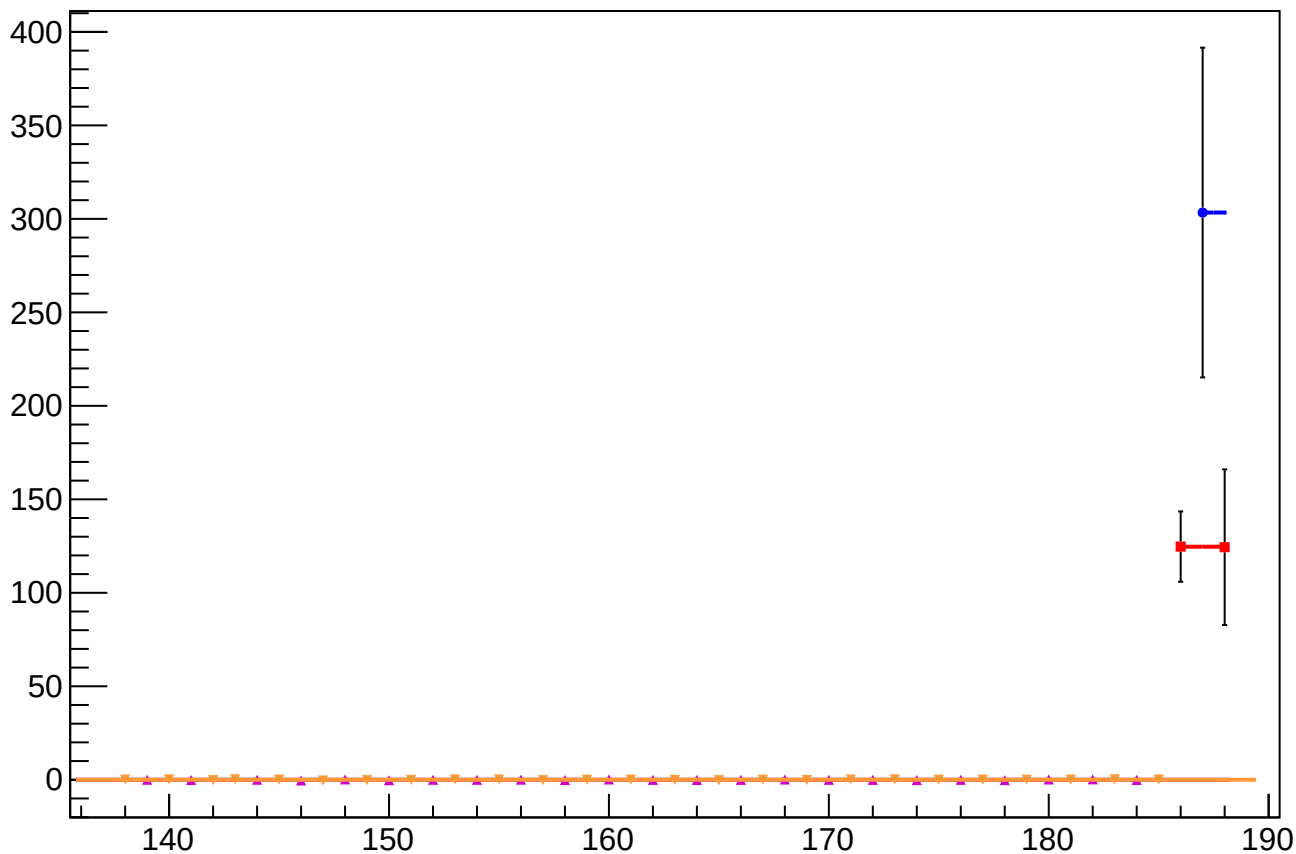
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.008 ± 0.001 χ^2/NDF : 56.7/41

All: -0.009 ± 0.001 χ^2/NDF : 12030.7/84

- sign -0.009 ± 0.001 χ^2/NDF : 11973.3/42

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 303.382 $\pm$ 88.188 χ^2/NDF : 0.0/0

Left Out: 0.017 $\pm$ 0.027 χ^2/NDF :30.9/24

Right Out: 124.653 $\pm$ 17.150 χ^2/NDF : 0.0/1

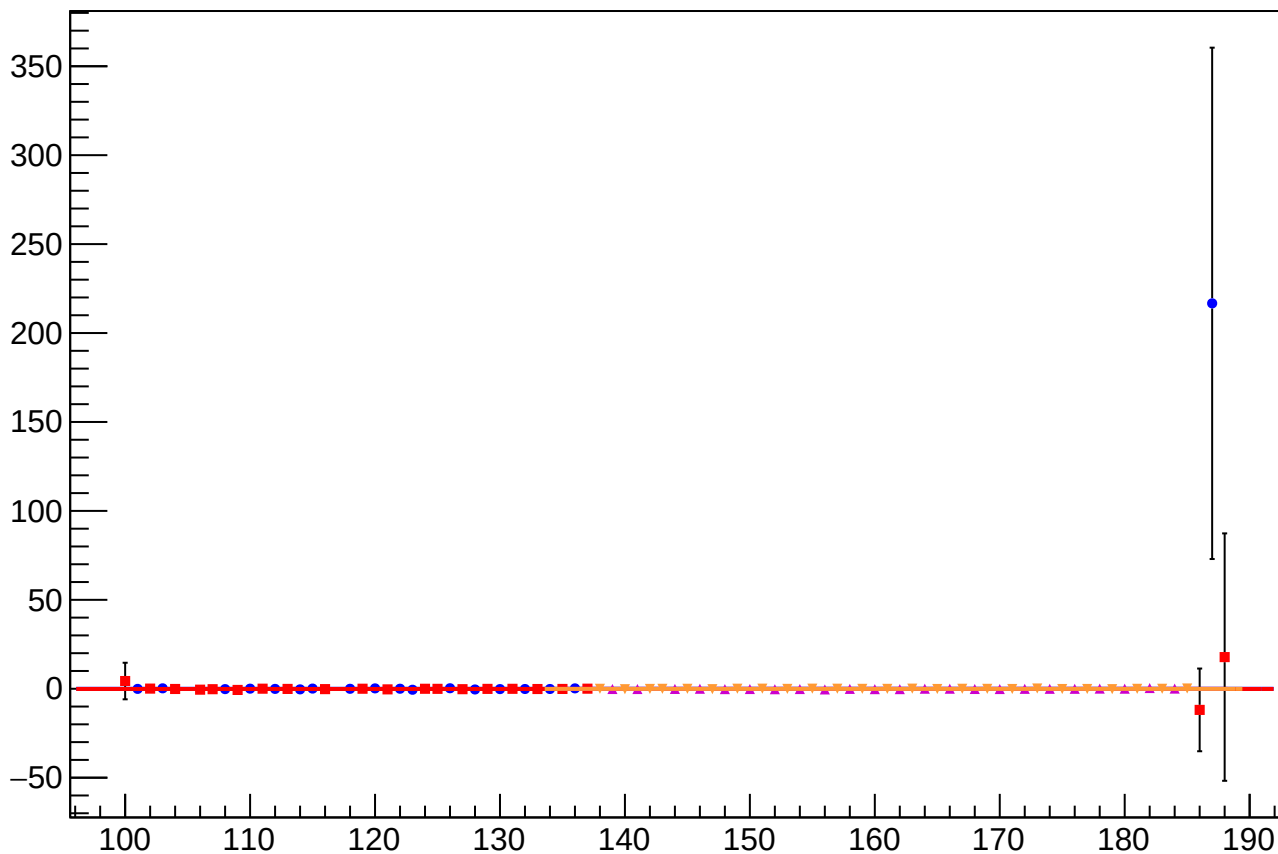
Left In: 0.002 $\pm$ 0.028 χ^2/NDF :29.0/22

+ sign 0.018 $\pm$ 0.027 χ^2/NDF : 42.8/25

All: 0.010 $\pm$ 0.019 χ^2/NDF : 124.8/50

- sign 0.003 $\pm$ 0.028 χ^2/NDF : 81.8/24

reg asym dsr diff bpm4aY slope vs Slug



Right In: -0.022+/-0.037 χ^2/NDF : 25.2/17

Left Out: -0.060 ± 0.021 $\chi^2/\text{NDF}: 24.6/24$

Right Out: -0.120 ± 0.039 χ^2/NDF : 18.8/20

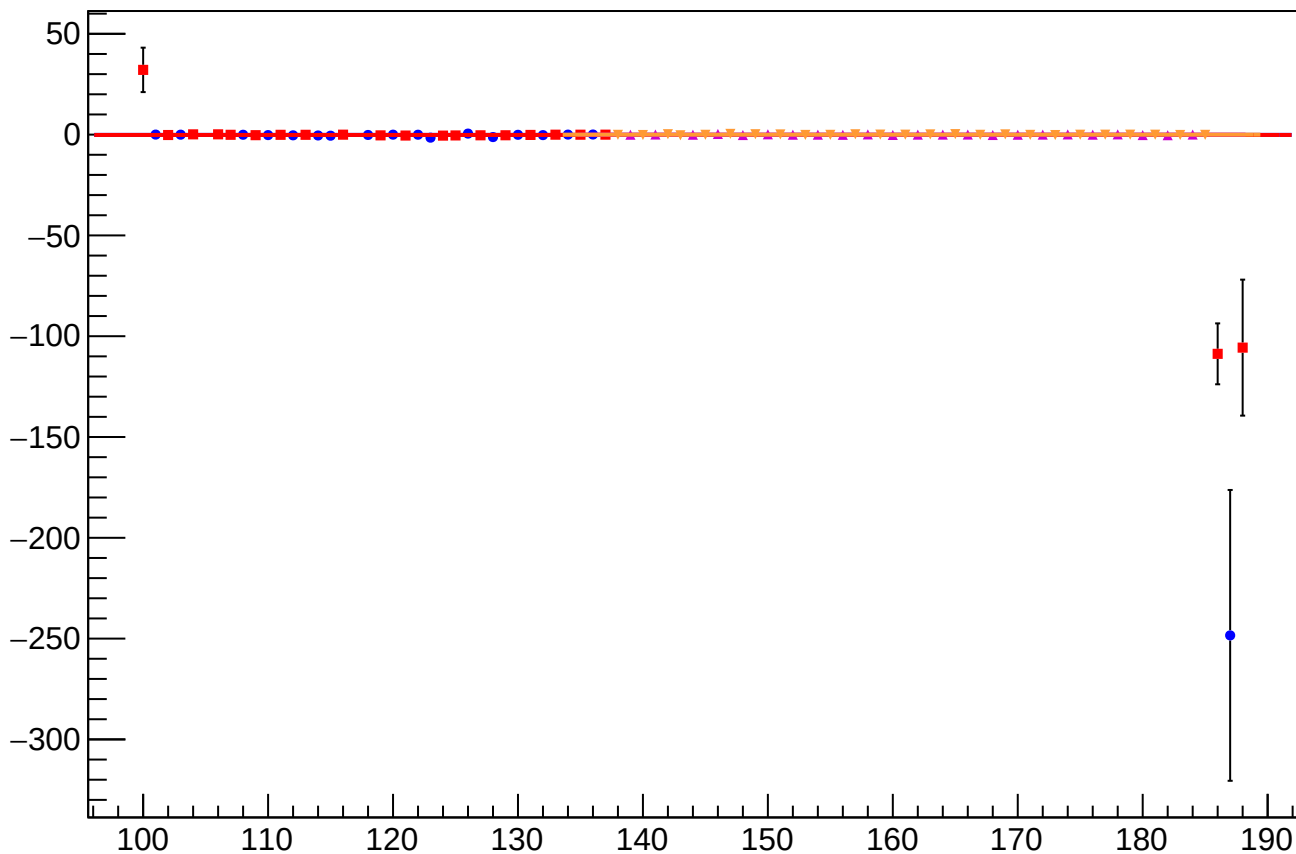
Left In: -0.071+/-0.022 χ^2/NDF :49.0/22

+ sign -0.050 $\pm$ 0.018 χ^2 /NDF: 50.6/42

All: -0.066 ± 0.013 χ^2/NDF : 121.1/86

- sign -0.083 ± 0.019 $\chi^2/\text{NDF}: 68.9/43$

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 36.6/17

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 75.8/20

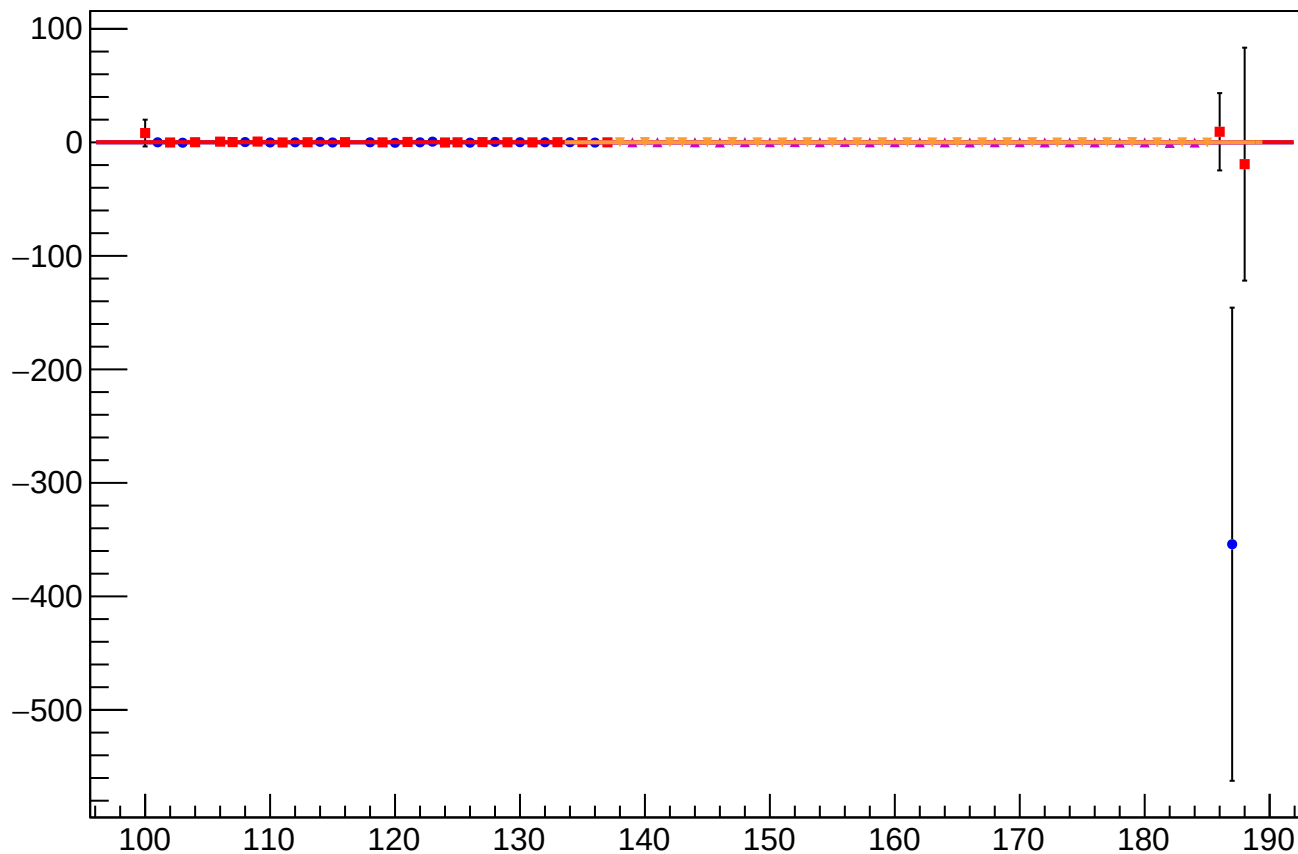
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 68.2/42

All: -0.042 ± 0.018 χ^2/NDF : 175.8/86

- sign -0.050 ± 0.026 χ^2/NDF : 107.4/43

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.019 ± 0.043 χ^2/NDF : 24.5/17

Left Out: 0.063 ± 0.024 χ^2/NDF : 24.6/24

Right Out: 0.144 ± 0.045 χ^2/NDF : 16.9/20

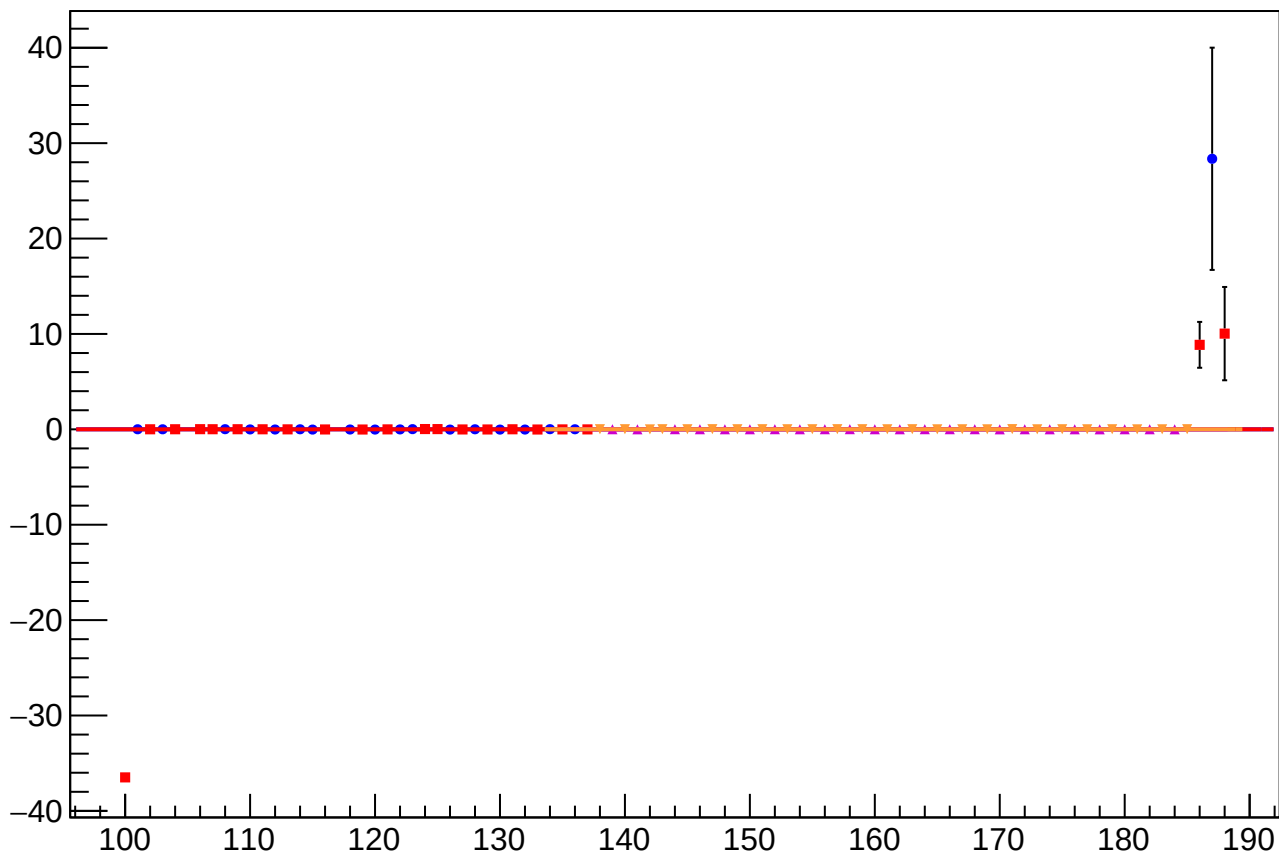
Left In: 0.069 ± 0.025 χ^2/NDF : 51.8/22

+ sign 0.052 ± 0.021 χ^2/NDF : 50.0/42

All: 0.069 ± 0.015 χ^2/NDF : 122.1/86

- sign 0.086 ± 0.022 χ^2/NDF : 70.9/43

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 36.4/17

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF: 26.3/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10466.9/20

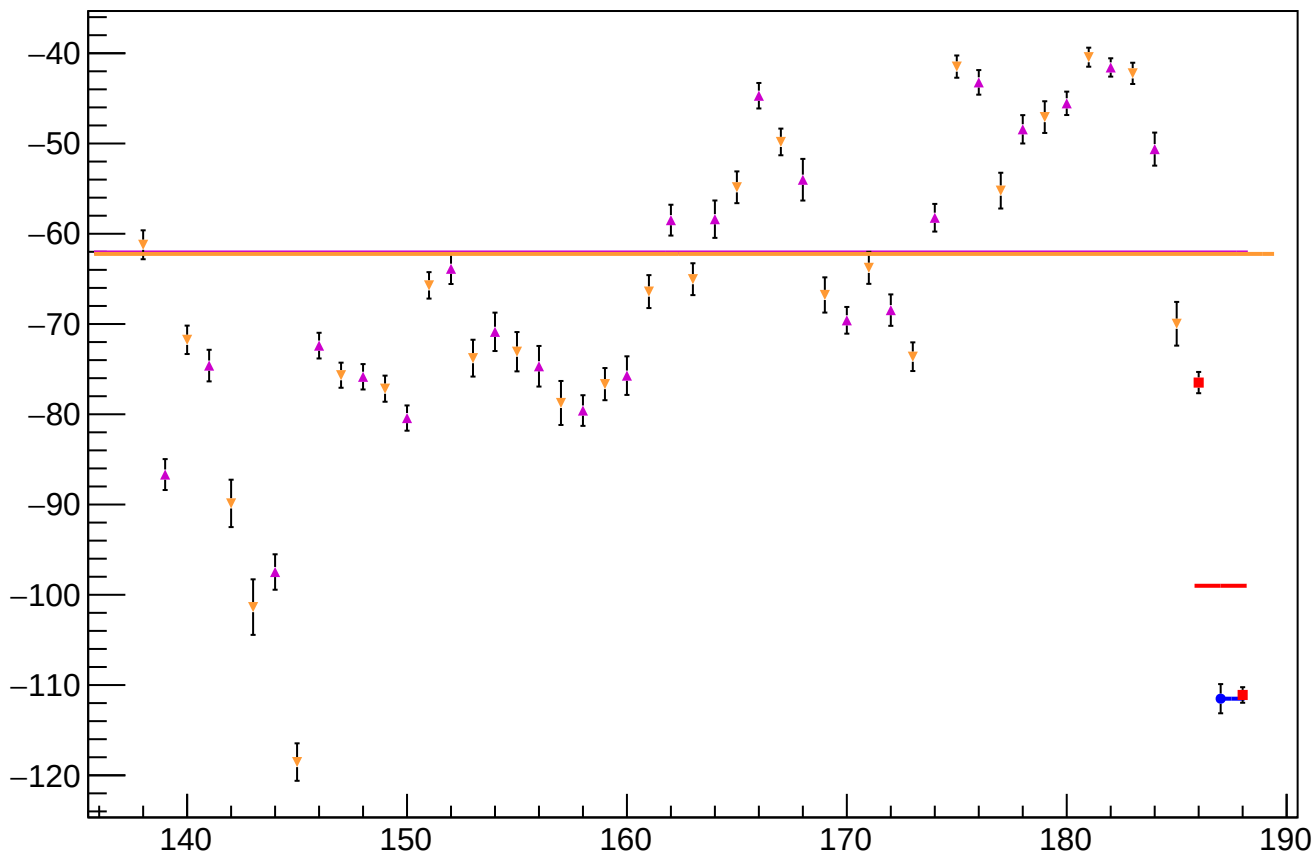
Left In: 0.009 $\pm$ 0.001 χ^2 /NDF: 15.0/22

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 70.8/42

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10563.2/86

- sign 0.007 $\pm$ 0.001 χ^2 /NDF: 10492.3/43

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -111.512 ± 1.617 χ^2/NDF : 0.0/0

Left Out: -62.232 ± 0.332 χ^2/NDF : 2668.5/24

Right Out: -99.001 ± 0.697 χ^2/NDF : 561.0/1

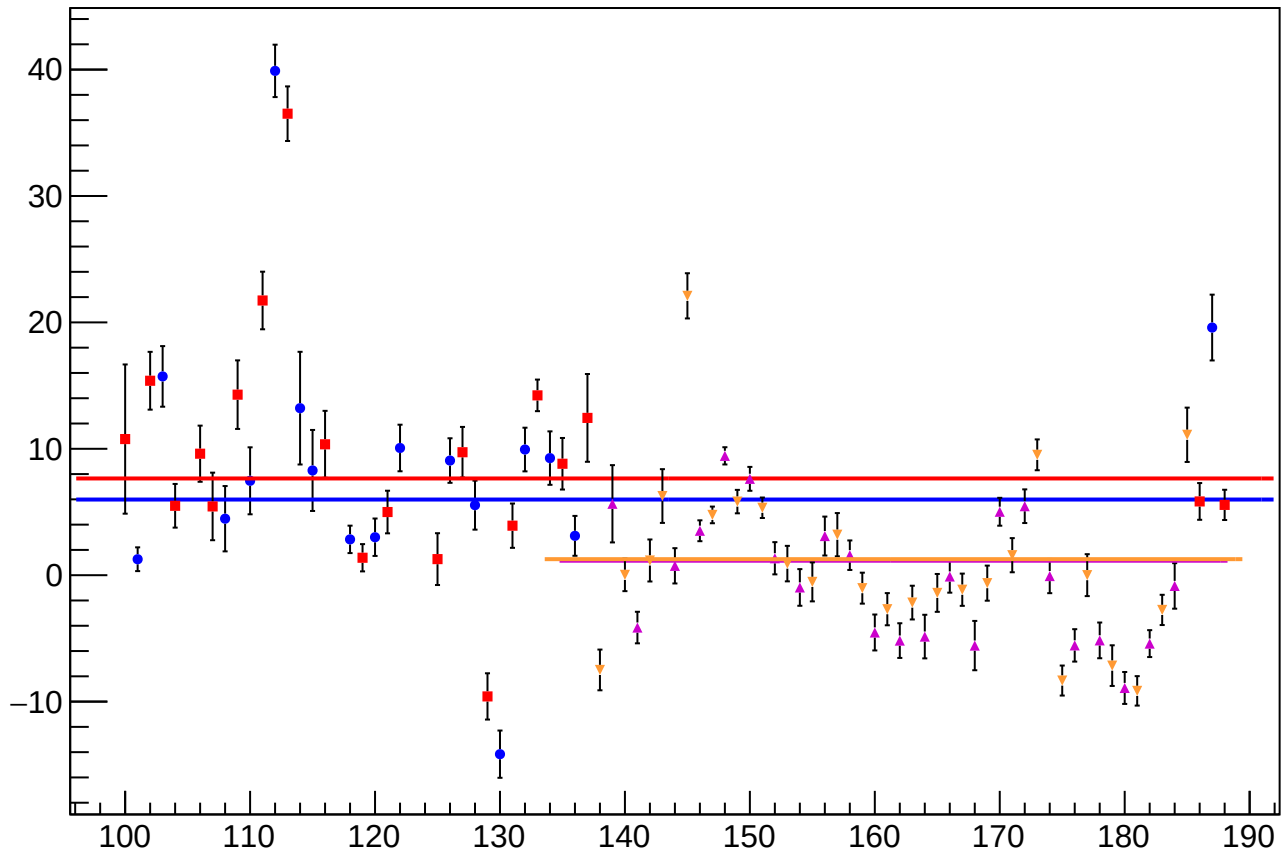
Left In: -62.073 ± 0.332 χ^2/NDF : 2192.0/22

+ sign -64.223 ± 0.325 χ^2/NDF : 3559.2/25

All: -66.759 ± 0.220 χ^2/NDF : 8712.8/50

- sign -68.916 ± 0.300 χ^2/NDF : 5041.0/24

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.986 ± 0.424 $\chi^2/\text{NDF}: 488.1/16$

Left Out: 1.269 ± 0.251 $\chi^2/\text{NDF}: 531.9/24$

Right Out: 7.652 ± 0.407 $\chi^2/\text{NDF}: 413.4/19$

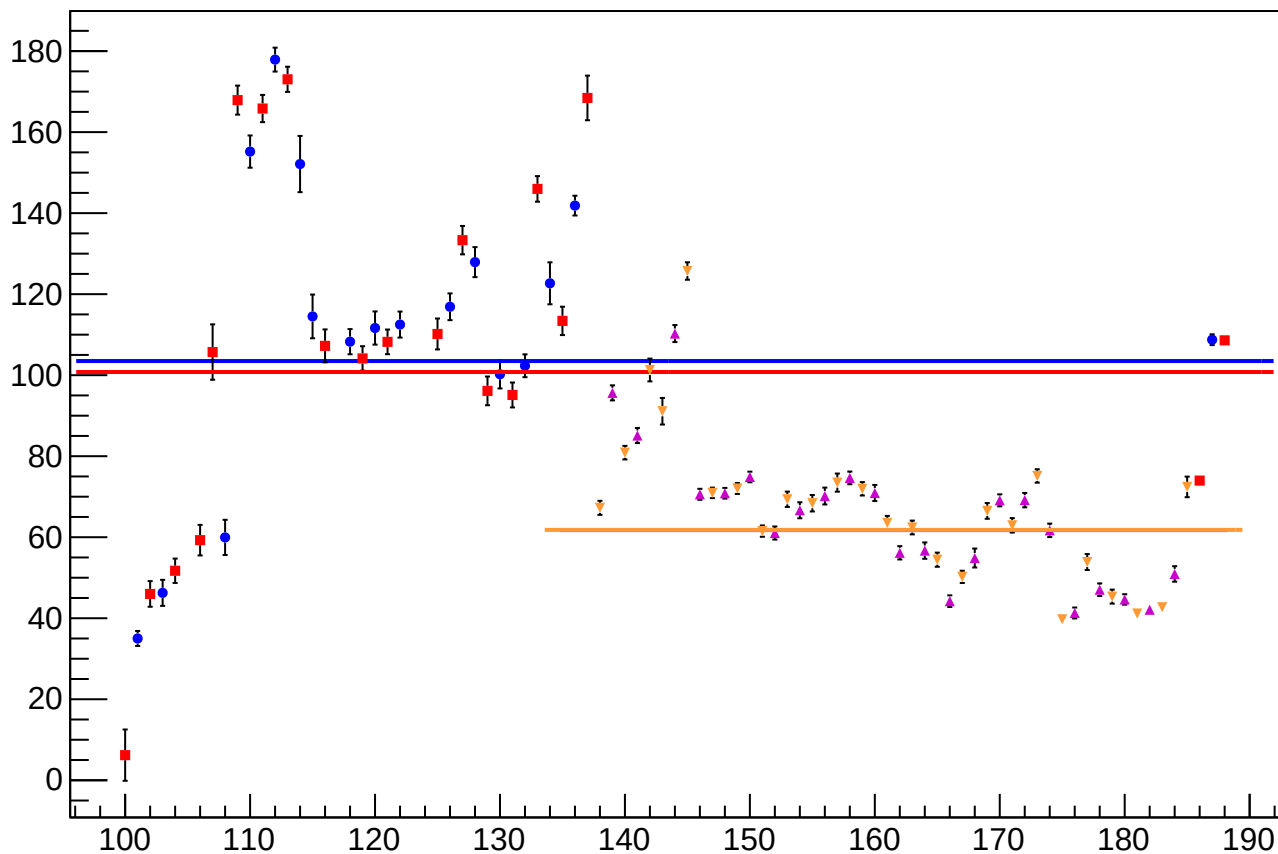
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 2.491 ± 0.216 $\chi^2/\text{NDF}: 1111.7/41$

All: 2.737 ± 0.153 $\chi^2/\text{NDF}: 2174.1/84$

- sign 2.984 ± 0.216 $\chi^2/\text{NDF}: 1059.8/42$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 103.488 $\pm$ 0.694 χ^2 /NDF: 2994.8/16

Left Out: 61.812 $\pm$ 0.331 χ^2 /NDF:2686.4/24

Right Out: 100.781 $\pm$ 0.465 χ^2 /NDF: 3592.1/19

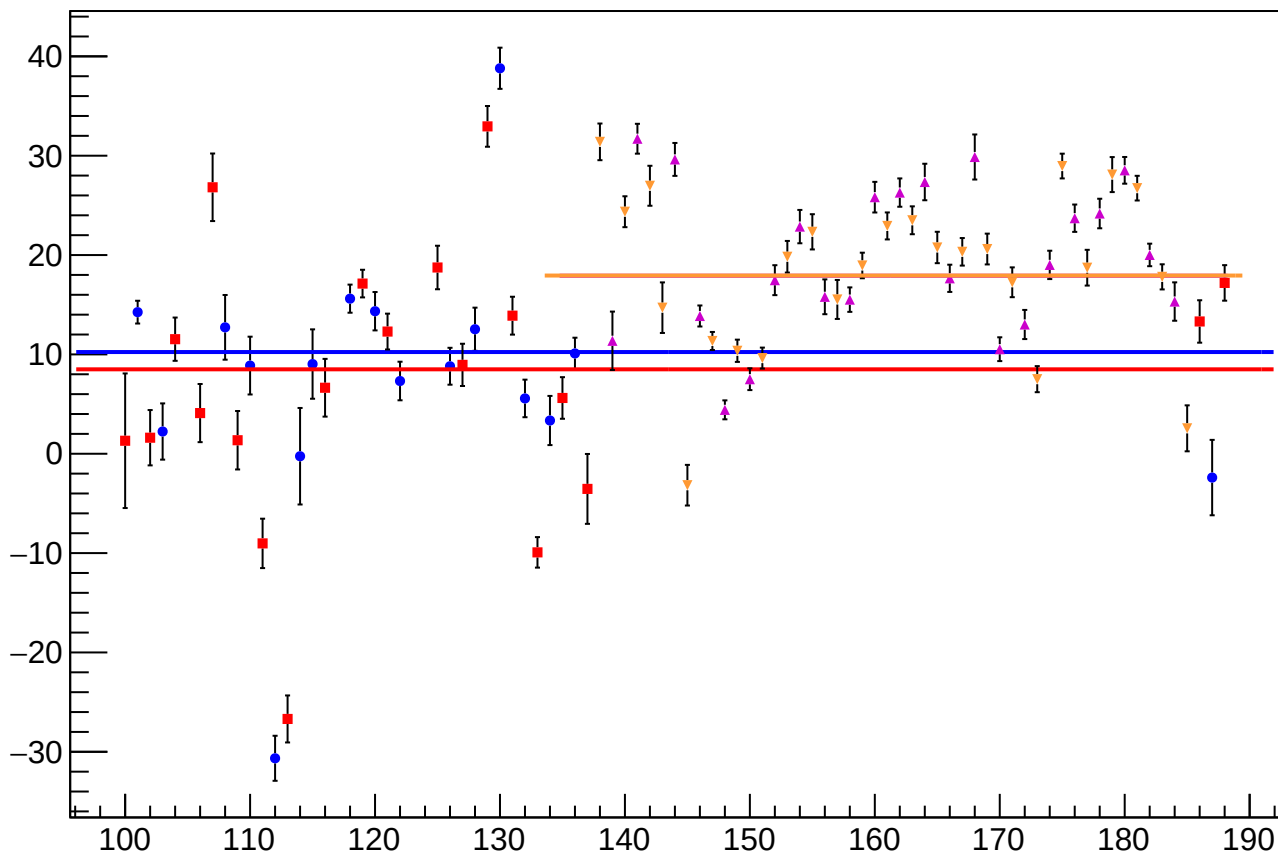
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF:2418.2/22

+ sign 69.526 $\pm$ 0.298 χ^2 /NDF: 8622.2/41

All: 72.456 $\pm$ 0.200 χ^2 /NDF: 19492.5/84

- sign 74.836 $\pm$ 0.269 χ^2 /NDF: 10695.8/42

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.237 ± 0.494 χ^2/NDF : 589.2/16

Left Out: 17.937 ± 0.289 χ^2/NDF : 676.0/24

Right Out: 8.498 ± 0.490 χ^2/NDF : 719.2/19

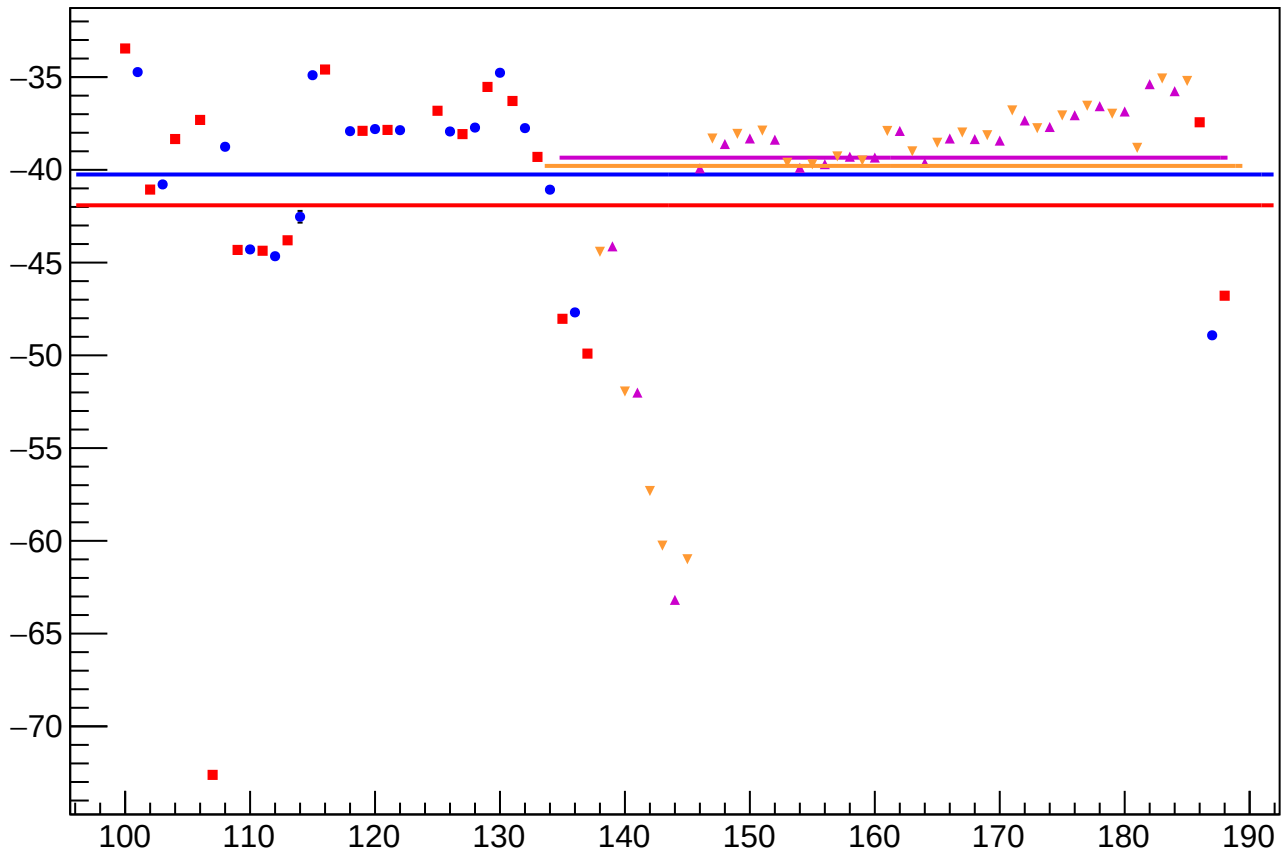
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 15.974 ± 0.249 χ^2/NDF : 1446.3/41

All: 15.709 ± 0.177 χ^2/NDF : 3167.0/84

- sign 15.441 ± 0.251 χ^2/NDF : 1718.5/42

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.251 ± 0.028 χ^2/NDF : 26718.5/16

Left Out: -39.788 ± 0.014 χ^2/NDF : 165493.8/24

Right Out: -41.912 ± 0.027 χ^2/NDF : 65466.5/19

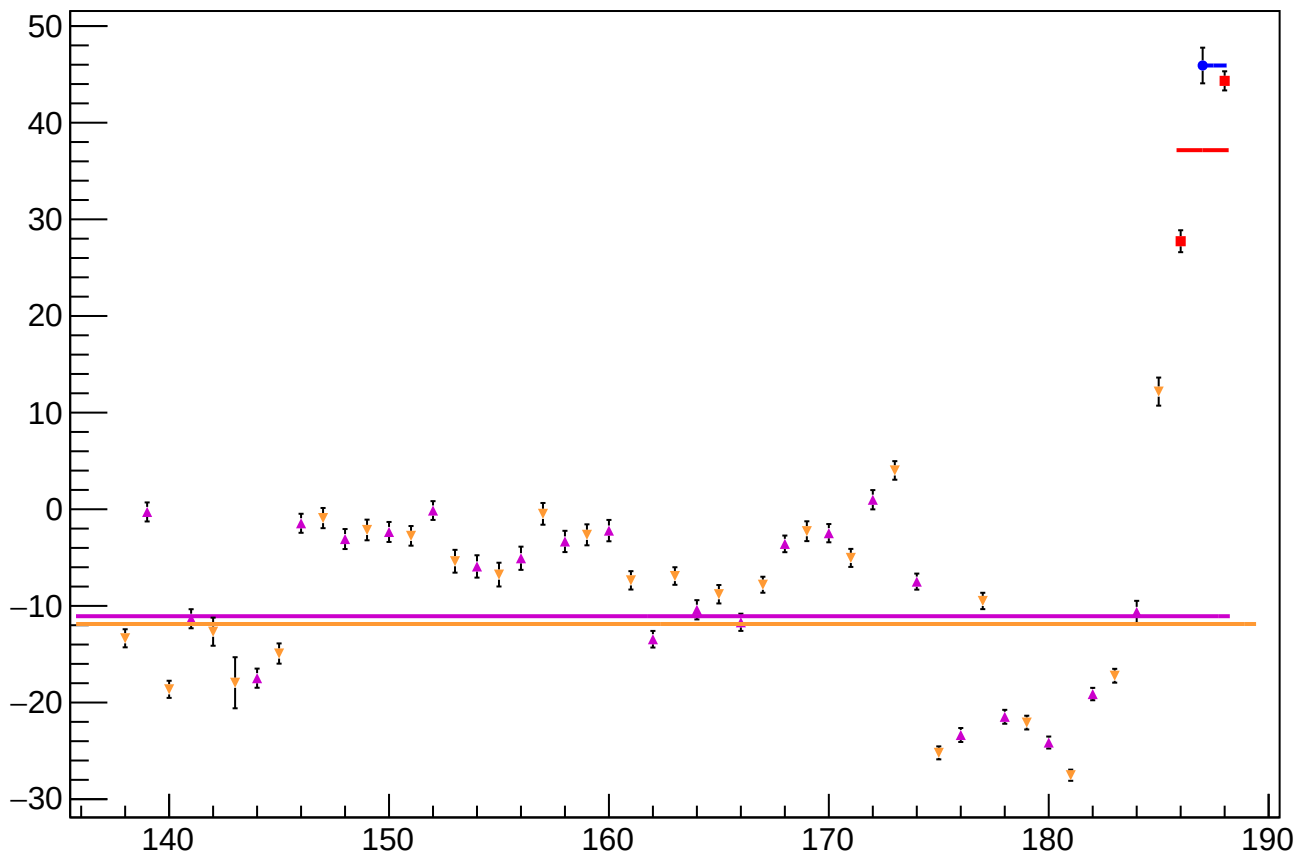
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.876 ± 0.012 χ^2/NDF : 192432.0/41

All: -39.871 ± 0.009 χ^2/NDF : 381772.8/84

- sign -39.866 ± 0.012 χ^2/NDF : 189340.5/42

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 45.919 $\pm$ 1.845 χ^2 /NDF: 0.0/0

Left Out: -11.873 $\pm$ 0.186 χ^2 /NDF: 2745.2/24

Right Out: 37.158 $\pm$ 0.746 χ^2 /NDF: 121.4/1

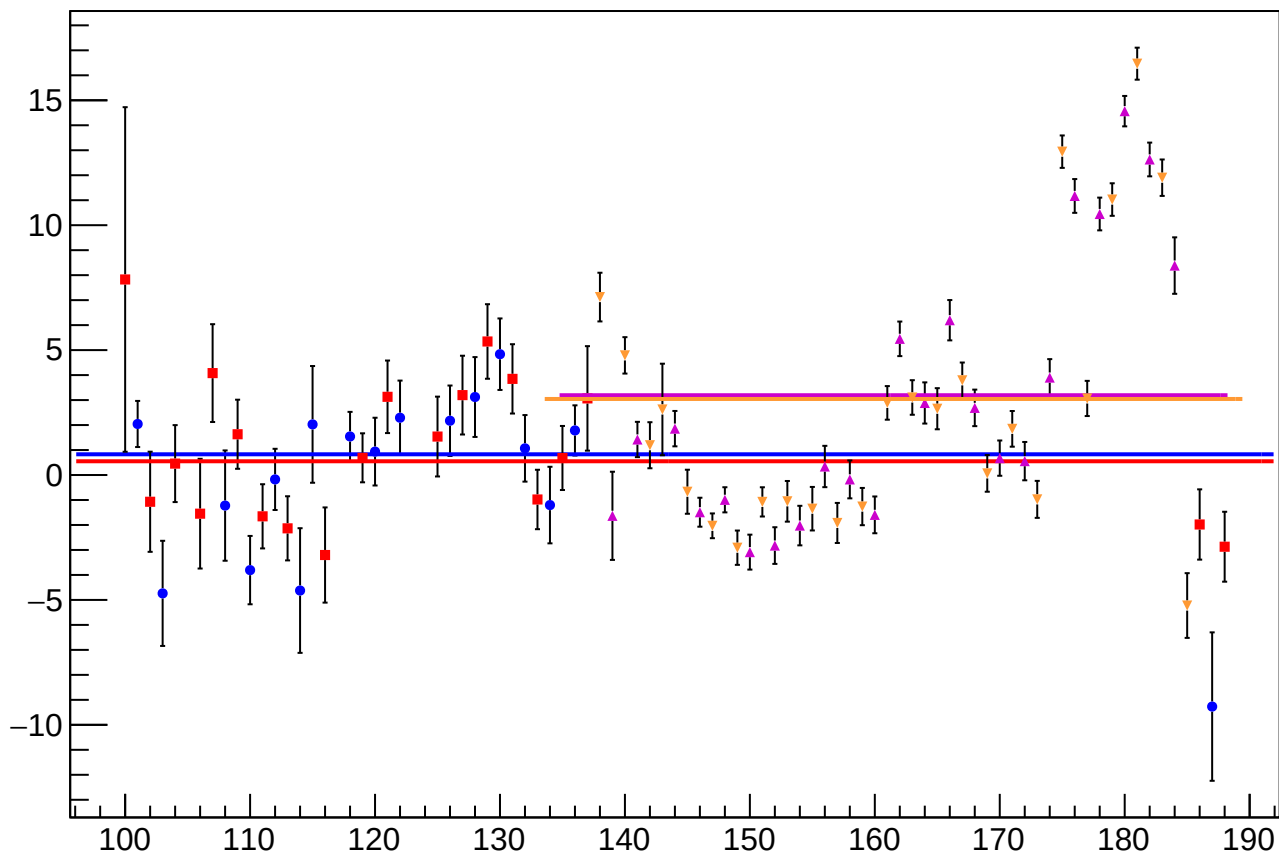
Left In: -11.067 $\pm$ 0.188 χ^2 /NDF: 2104.8/22

+ sign -11.289 $\pm$ 0.185 χ^2 /NDF: 3716.5/25

All: -9.712 $\pm$ 0.130 χ^2 /NDF: 10014.2/50

- sign -8.188 $\pm$ 0.182 χ^2 /NDF: 6155.5/24

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.830 ± 0.340 $\chi^2/\text{NDF}: 53.3/16$

Left Out: 3.044 ± 0.147 $\chi^2/\text{NDF}: 1457.3/24$

Right Out: 0.550 ± 0.333 $\chi^2/\text{NDF}: 52.4/19$

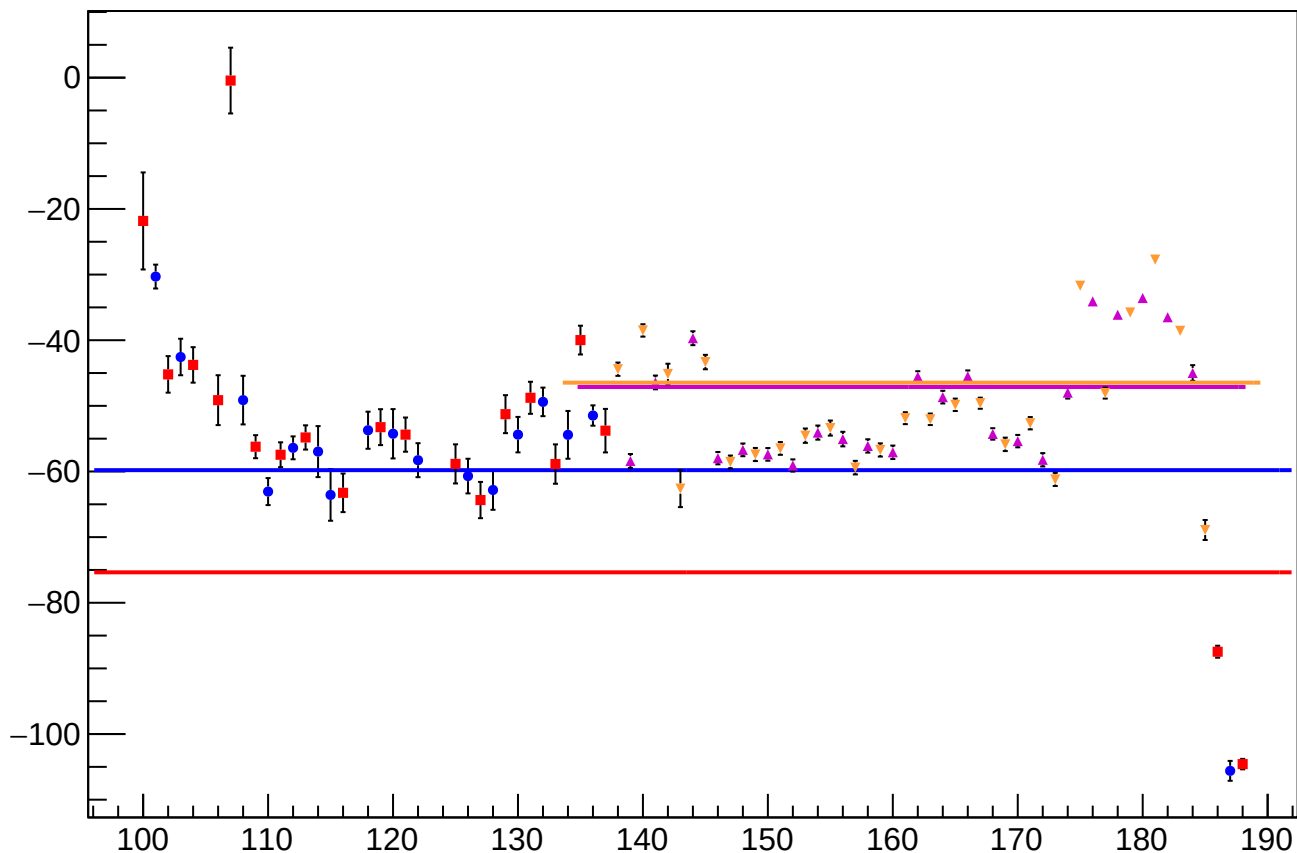
Left In: 3.194 ± 0.150 $\chi^2/\text{NDF}: 1295.0/22$

+ sign 2.694 ± 0.135 $\chi^2/\text{NDF}: 1546.3/41$

All: 2.721 ± 0.096 $\chi^2/\text{NDF}: 2946.2/84$

- sign 2.749 ± 0.137 $\chi^2/\text{NDF}: 1399.7/42$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -59.797 ± 0.570 χ^2/NDF : 1296.9/16

Left Out: -46.463 ± 0.186 χ^2/NDF : 3319.7/24

Right Out: -75.363 ± 0.430 χ^2/NDF : 3142.3/19

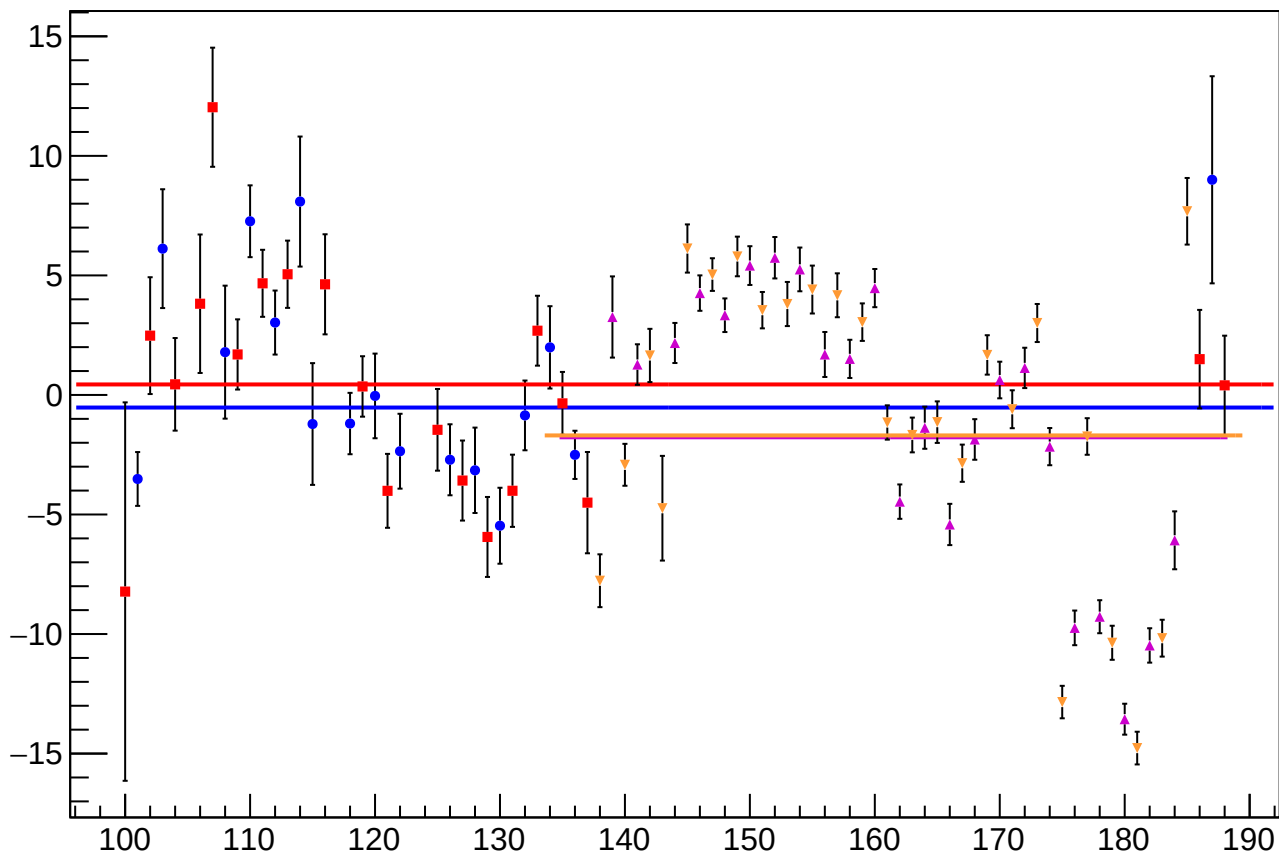
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -47.746 ± 0.177 χ^2/NDF : 5110.4/41

All: -49.744 ± 0.123 χ^2/NDF : 14638.0/84

- sign -51.623 ± 0.172 χ^2/NDF : 9280.4/42

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.527 ± 0.386 χ^2/NDF : 85.6/16

Left Out: -1.693 ± 0.167 χ^2/NDF : 1485.7/24

Right Out: 0.440 ± 0.386 χ^2/NDF : 96.4/19

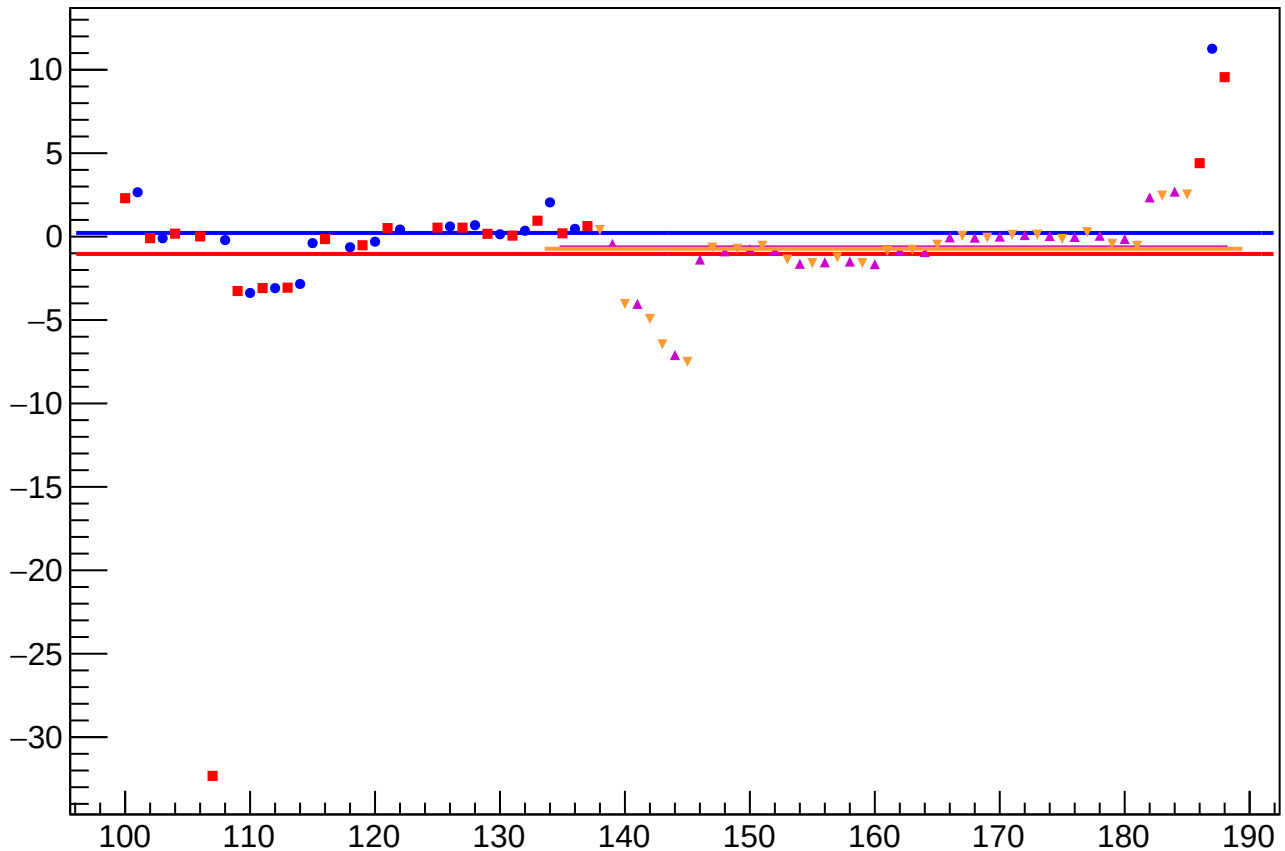
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.510 ± 0.153 χ^2/NDF : 1579.0/41

All: -1.463 ± 0.109 χ^2/NDF : 2954.4/84

- sign -1.416 ± 0.155 χ^2/NDF : 1375.2/42

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.221 ± 0.021 $\chi^2/\text{NDF}: 7281.3/16$

Left Out: -0.728 ± 0.008 $\chi^2/\text{NDF}: 56403.8/24$

Right Out: -1.038 ± 0.021 $\chi^2/\text{NDF}: 90656.0/19$

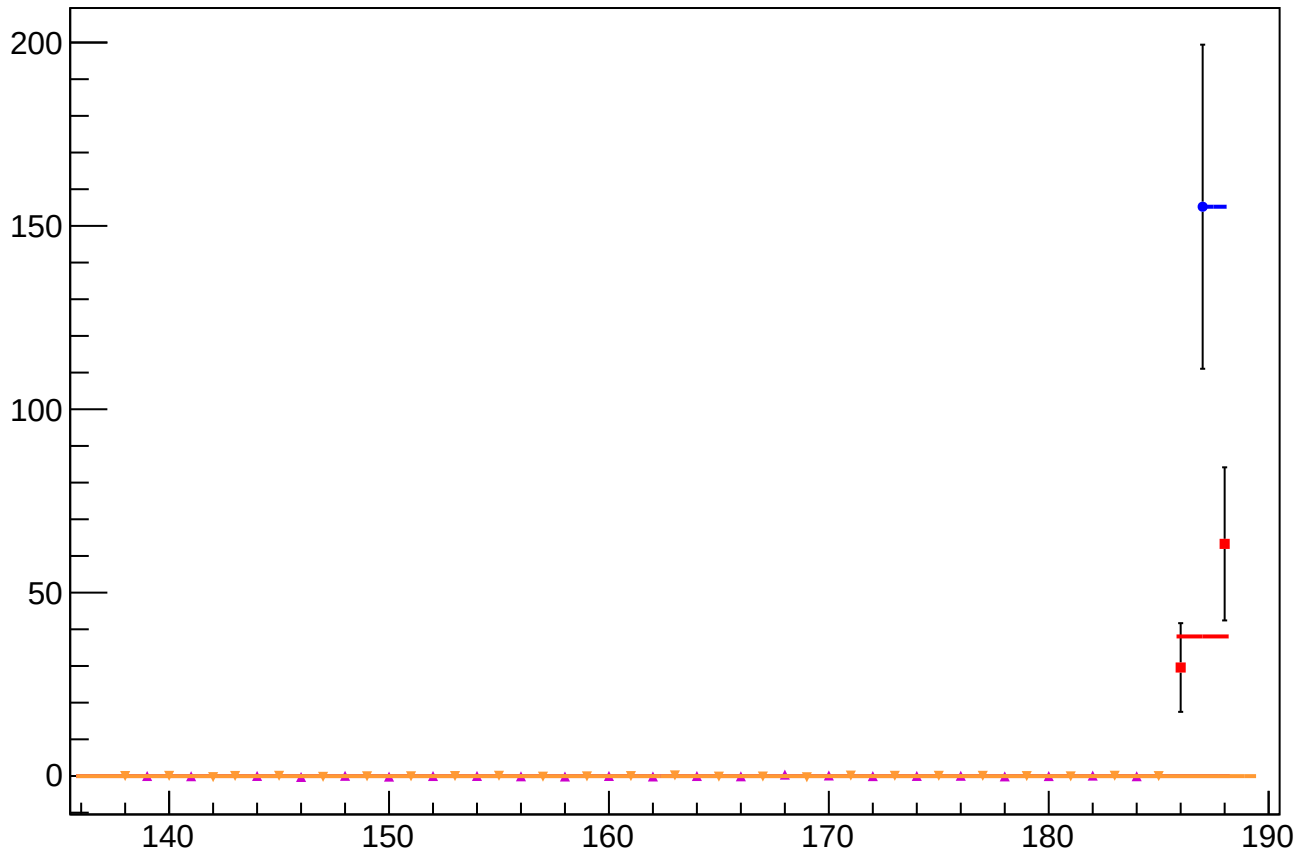
Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

+ sign -0.622 ± 0.007 $\chi^2/\text{NDF}: 65414.0/41$

All: -0.656 ± 0.005 $\chi^2/\text{NDF}: 200590.7/84$

- sign -0.690 ± 0.007 $\chi^2/\text{NDF}: 135132.3/42$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 155.225 $\pm$ 44.188 χ^2 /NDF: 0.0/0

Left Out: -0.036 $\pm$ 0.018 χ^2 /NDF: 35.6/24

Right Out: 38.053 $\pm$ 10.463 χ^2 /NDF: 2.0/1

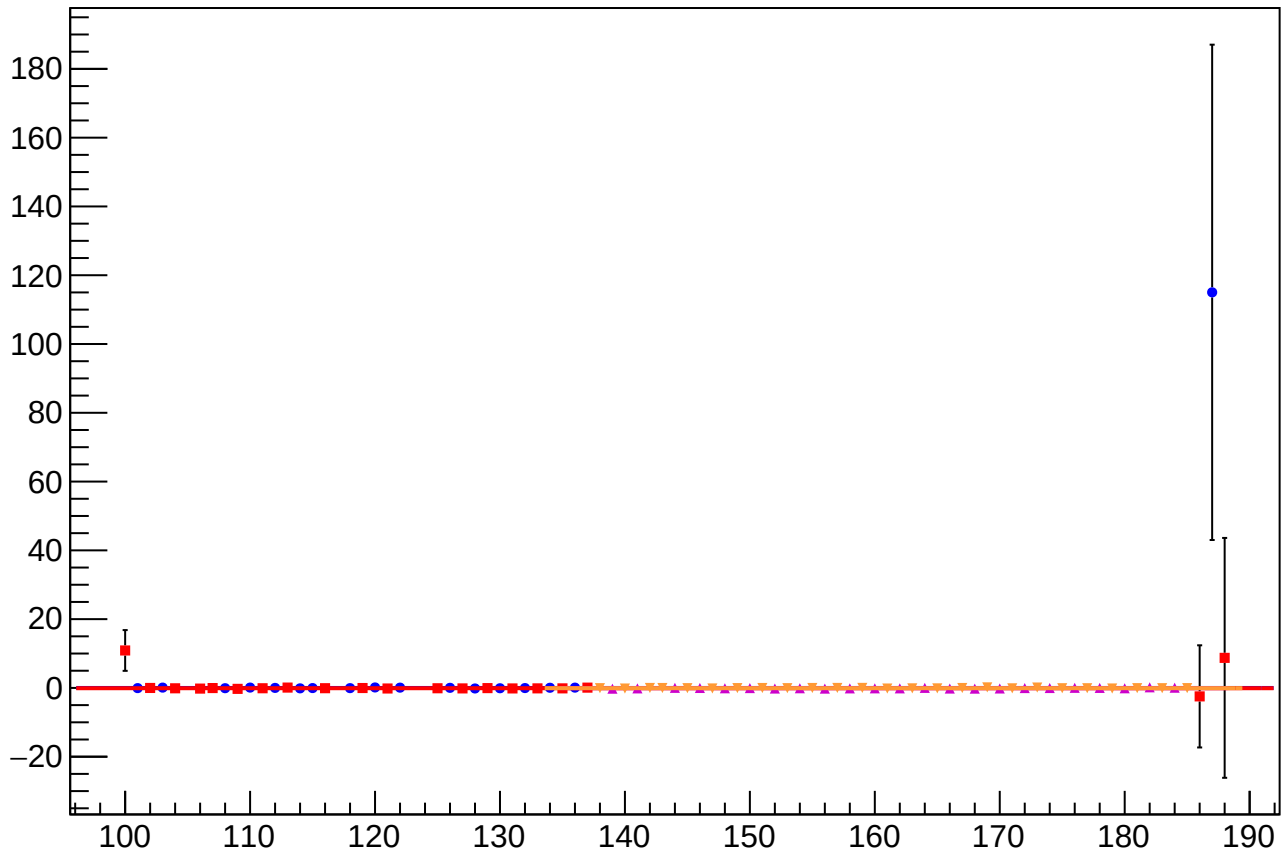
Left In: -0.010 $\pm$ 0.018 χ^2 /NDF: 35.1/22

+ sign -0.036 $\pm$ 0.018 χ^2 /NDF: 47.9/25

All: -0.023 $\pm$ 0.013 χ^2 /NDF: 99.3/50

- sign -0.010 $\pm$ 0.018 χ^2 /NDF: 50.3/24

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 14.6/16

Left Out: -0.071 ± 0.014 χ^2/NDF : 28.3/24

Right Out: -0.088 ± 0.025 χ^2/NDF : 13.0/19

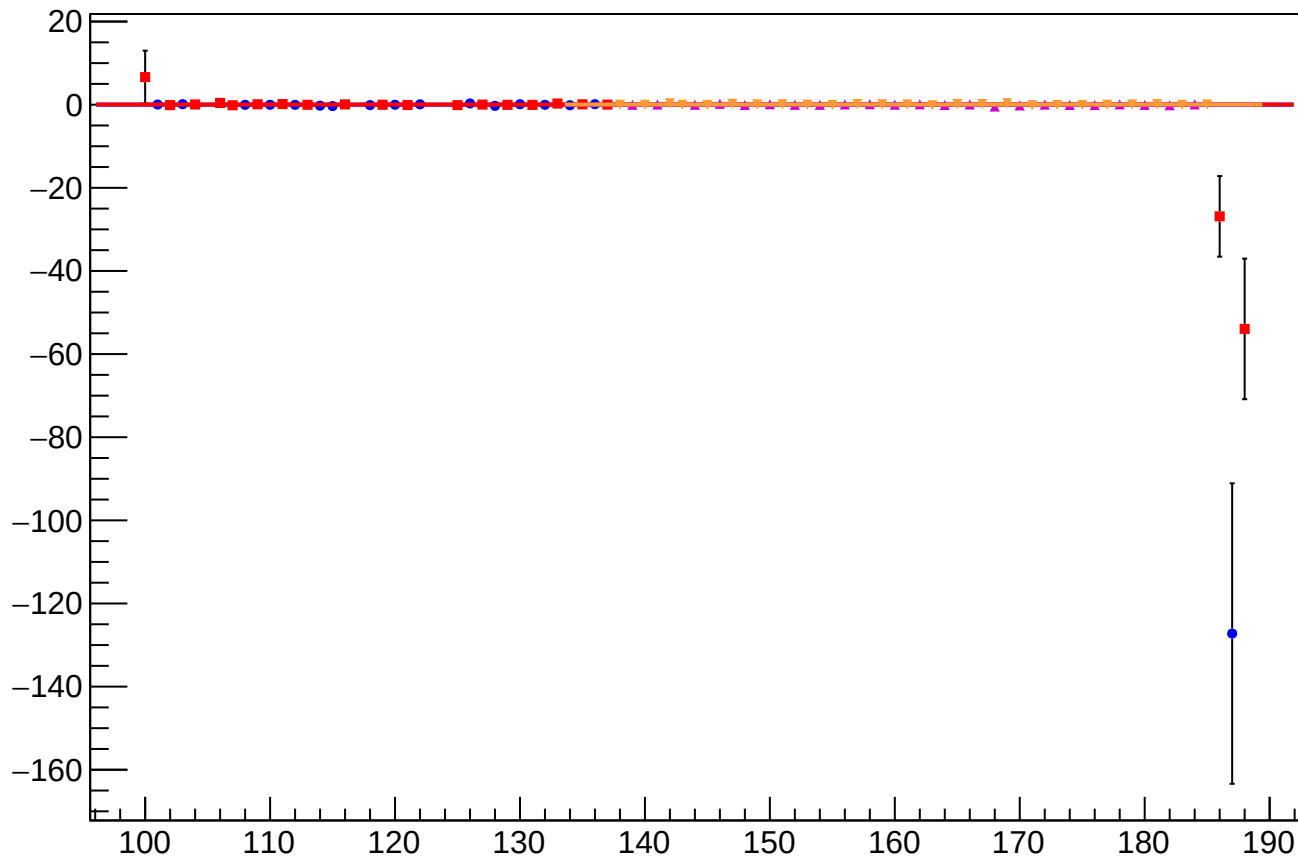
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.056 ± 0.012 χ^2/NDF : 47.3/41

All: -0.063 ± 0.009 χ^2/NDF : 102.7/84

- sign -0.070 ± 0.012 χ^2/NDF : 54.8/42

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 21.5/16

Left Out: 0.033 $\pm$ 0.018 χ^2 /NDF:32.6/24

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 27.0/19

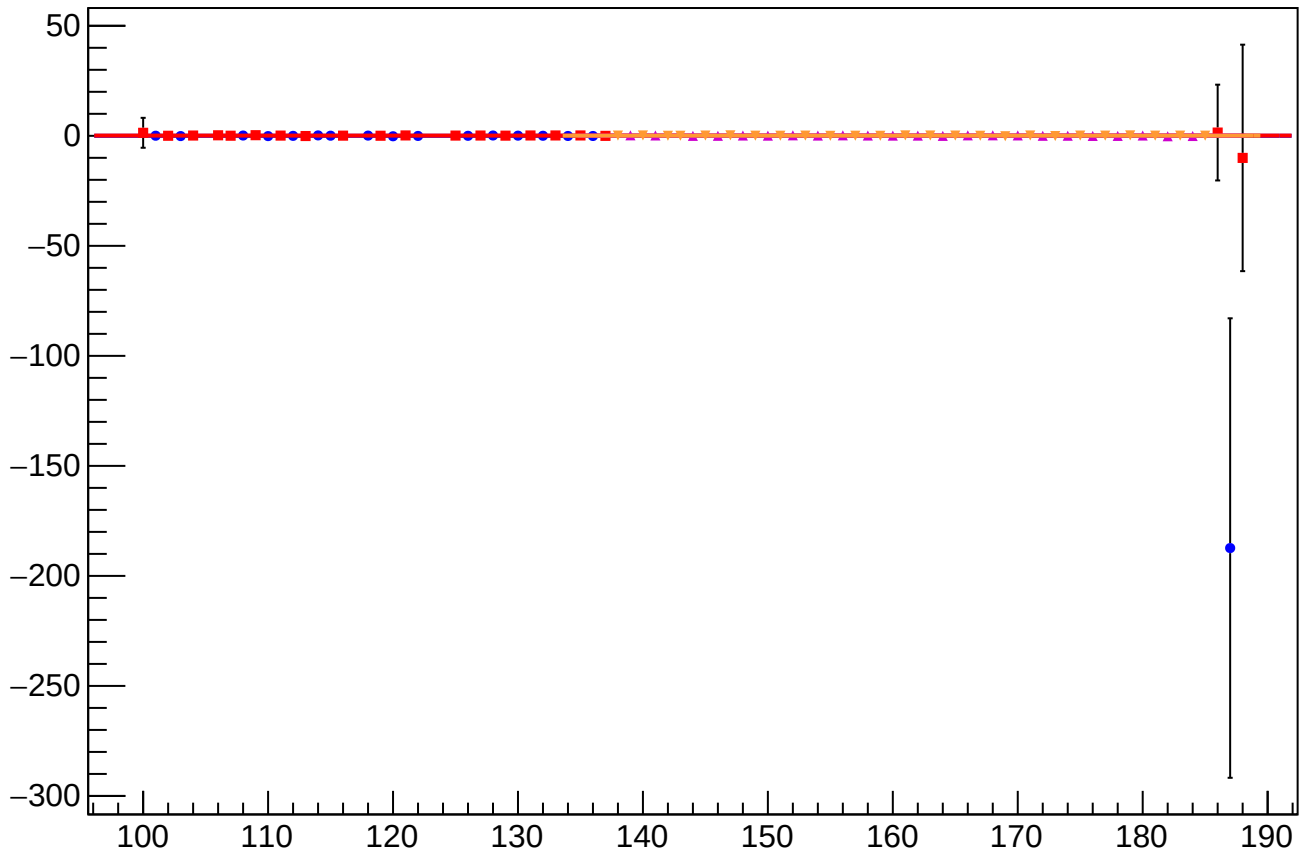
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.031 $\pm$ 0.016 χ^2 /NDF: 54.2/41

All: 0.014 $\pm$ 0.012 χ^2 /NDF: 120.8/84

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 64.5/42

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 14.9/16

Left Out: 0.084 $\pm$ 0.016 χ^2 /NDF:28.1/24

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 8.2/19

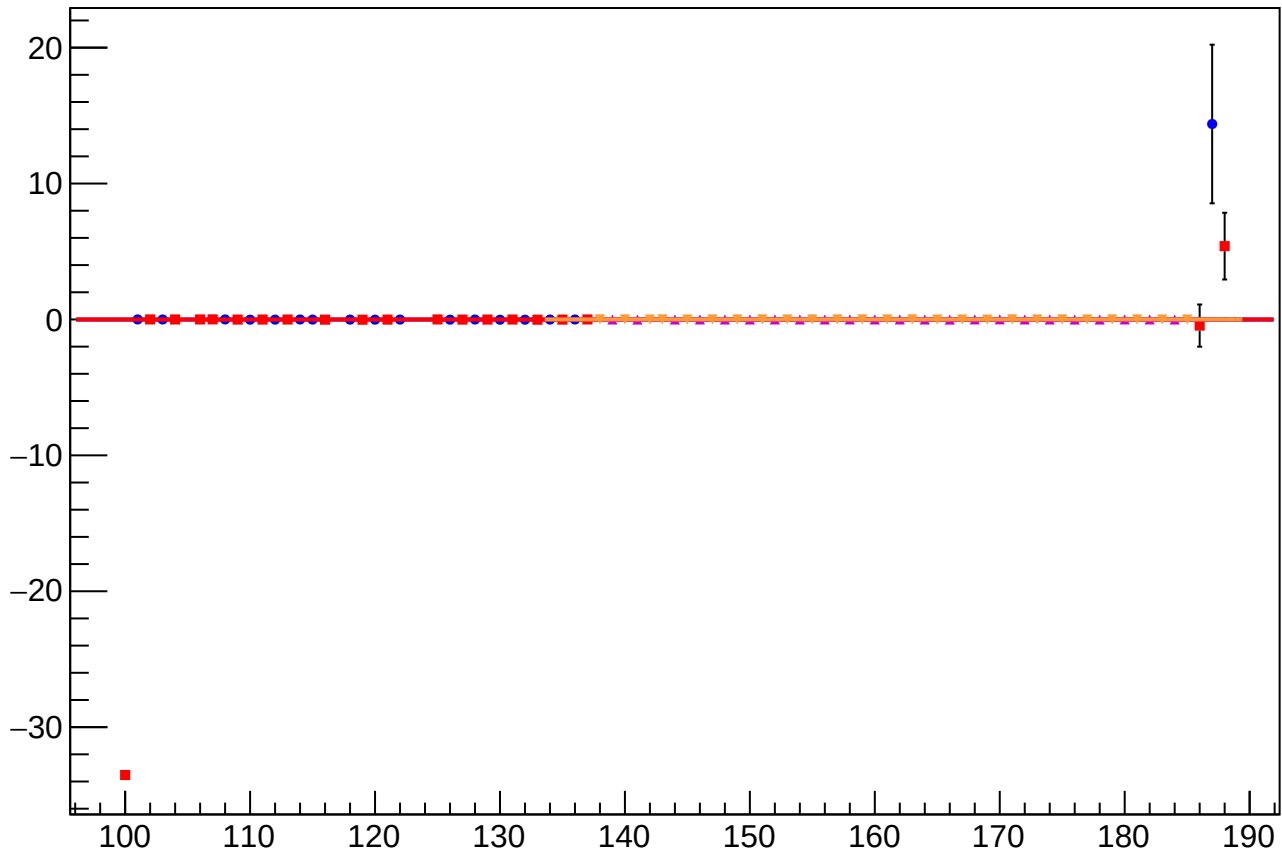
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF:44.8/22

+ sign 0.065 $\pm$ 0.014 χ^2 /NDF: 48.9/41

All: 0.071 $\pm$ 0.010 χ^2 /NDF: 103.5/84

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 54.2/42

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 27.6/16

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF: 26.1/24

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26513.9/19

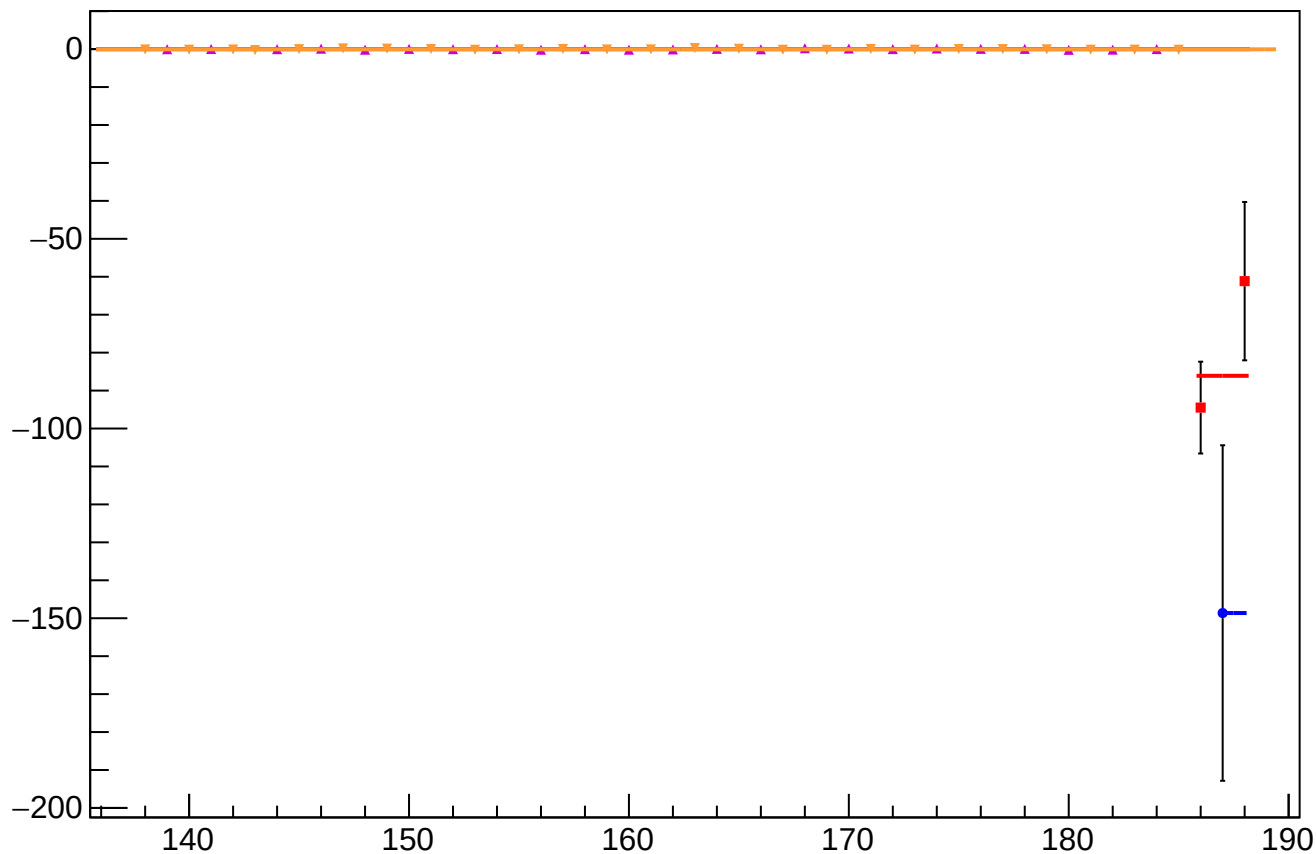
Left In: 0.000 $\pm$ 0.001 χ^2 /NDF: 22.3/22

+ sign -0.001 $\pm$ 0.001 χ^2 /NDF: 67.5/41

All: -0.001 $\pm$ 0.000 χ^2 /NDF: 26617.9/84

- sign -0.001 $\pm$ 0.001 χ^2 /NDF: 26550.1/42

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -148.630 ± 44.216 χ^2/NDF : 0.0/0

Left Out: -0.059 ± 0.018 χ^2/NDF : 41.7/24

Right Out: -86.104 ± 10.466 χ^2/NDF : 1.9/1

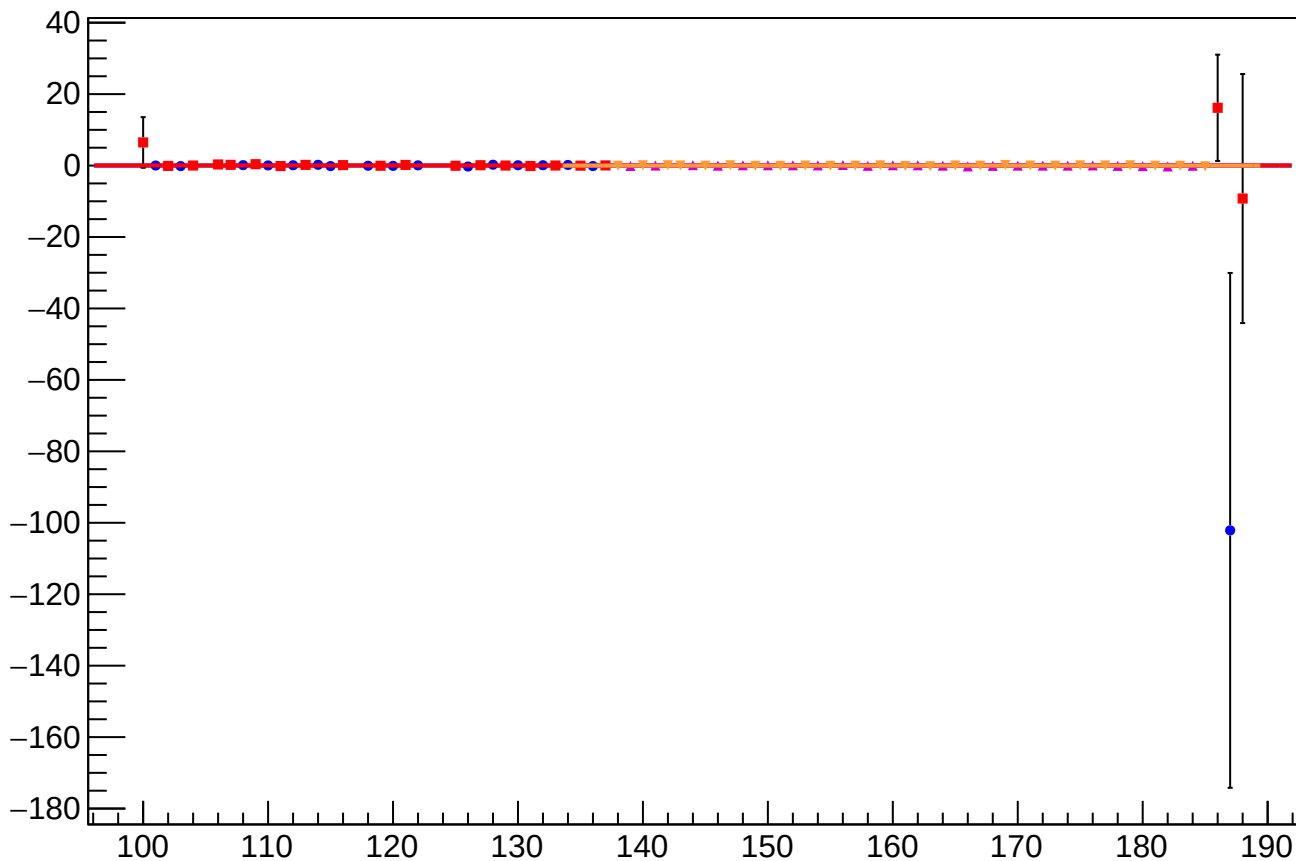
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.059 ± 0.018 χ^2/NDF : 53.0/25

All: -0.035 ± 0.013 χ^2/NDF : 161.5/50

- sign -0.009 ± 0.018 χ^2/NDF : 104.7/24

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 ± 0.023 χ^2/NDF : 27.2/16

Left Out: -0.010 ± 0.014 χ^2/NDF : 29.7/24

Right Out: 0.037 ± 0.025 χ^2/NDF : 29.9/19

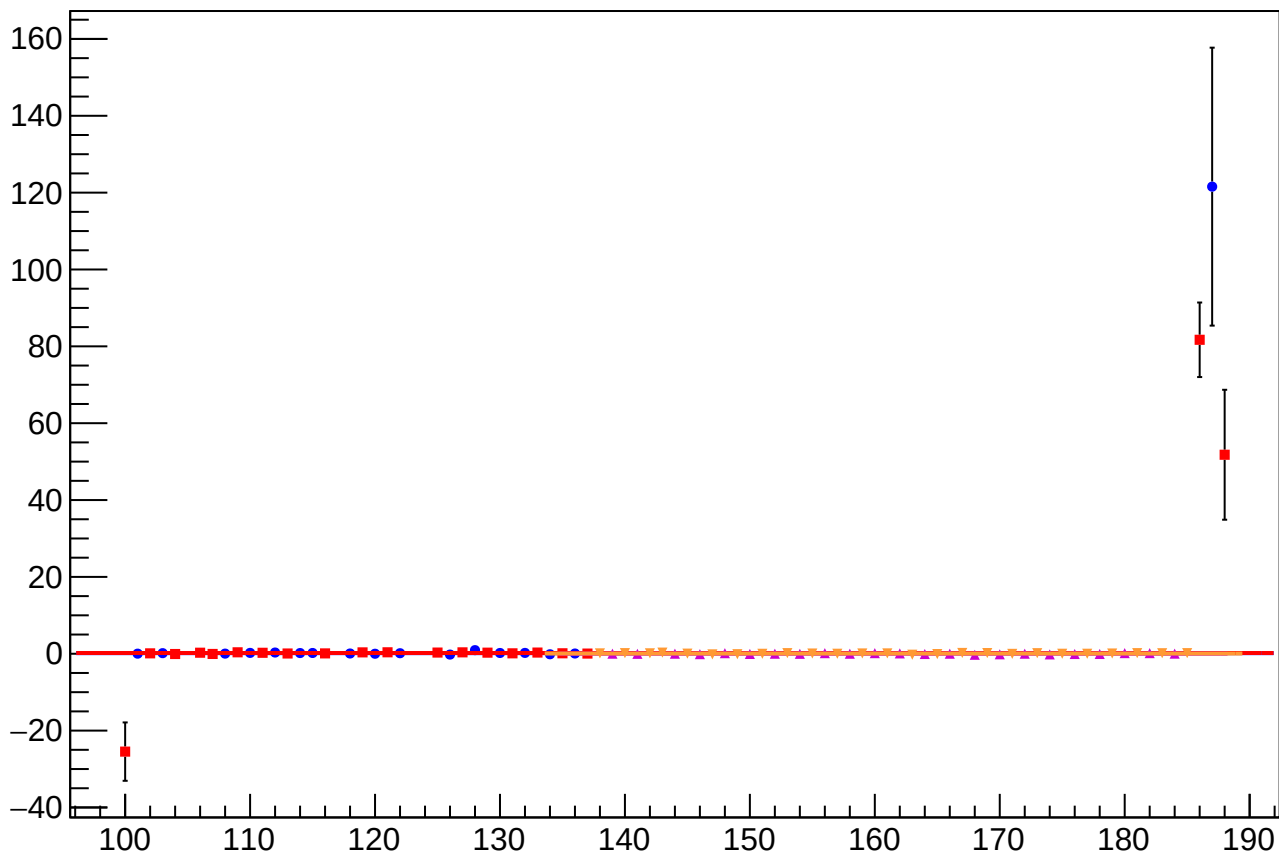
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.005 ± 0.012 χ^2/NDF : 57.2/41

All: 0.003 ± 0.009 χ^2/NDF : 139.1/84

- sign 0.013 ± 0.012 χ^2/NDF : 80.7/42

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 41.0/16

Left Out: 0.055 $\pm$ 0.018 χ^2 /NDF: 41.0/24

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 101.9/19

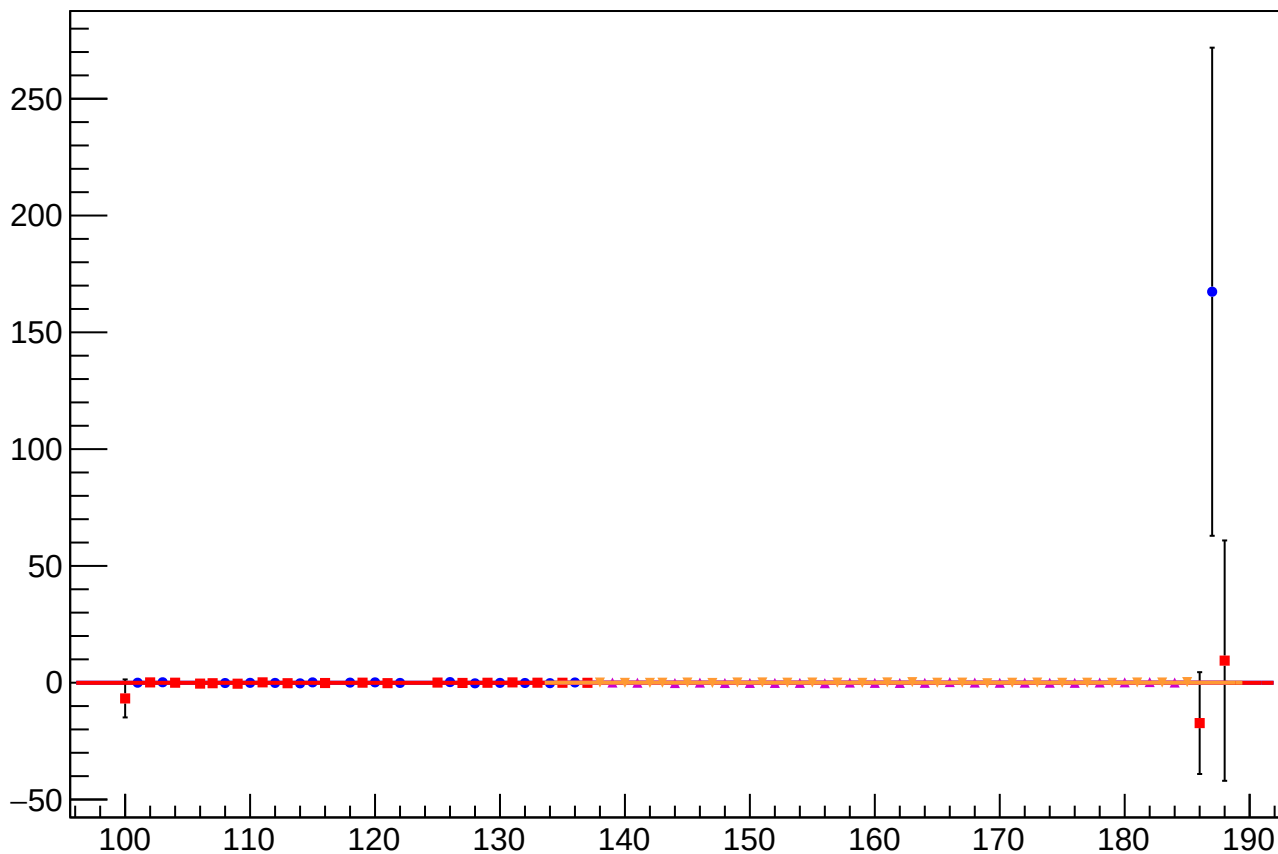
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF: 35.8/22

+ sign 0.070 $\pm$ 0.016 χ^2 /NDF: 86.7/41

All: 0.057 $\pm$ 0.012 χ^2 /NDF: 239.0/84

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 151.1/42

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 27.2/16

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.4/24

Right Out: -0.046 ± 0.029 χ^2/NDF : 26.9/19

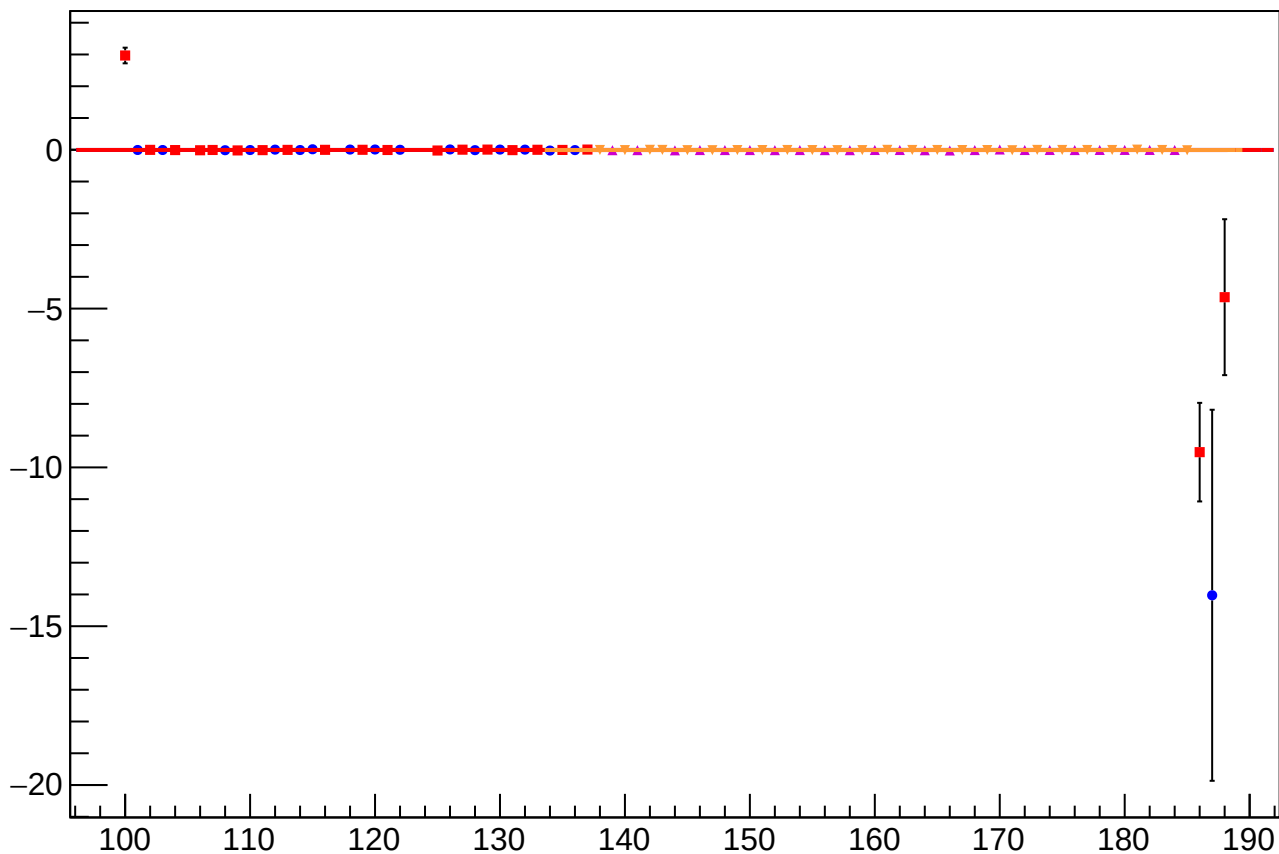
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 61.6/41

All: 0.003 ± 0.010 χ^2/NDF : 142.1/84

- sign -0.007 ± 0.014 χ^2/NDF : 79.6/42

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 33.2/16

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.7/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 206.4/19

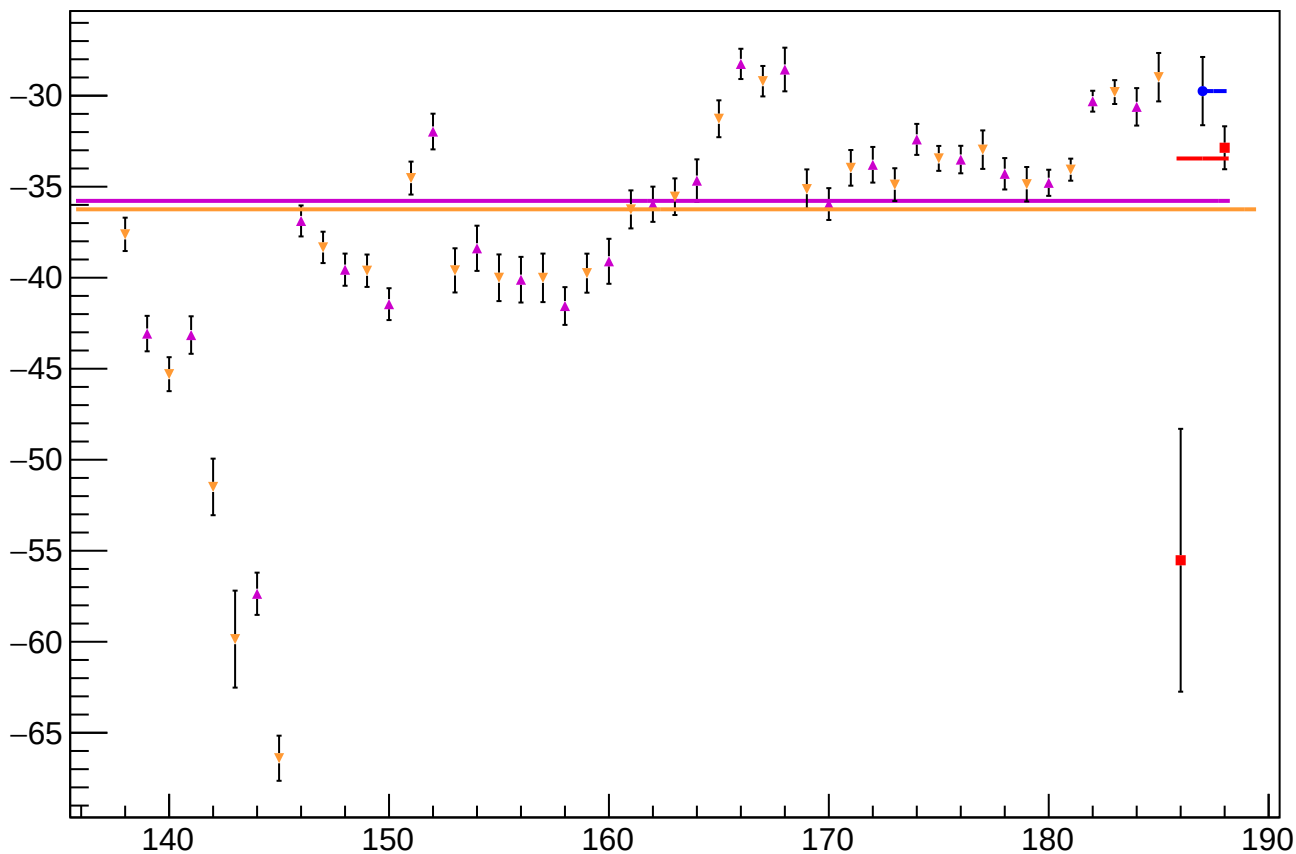
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 67.5/41

All: -0.008 ± 0.000 χ^2/NDF : 314.3/84

- sign -0.008 ± 0.001 χ^2/NDF : 246.6/42

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.748 ± 1.875 χ^2/NDF : 0.0/0

Left Out: -36.243 ± 0.191 χ^2/NDF : 1193.9/24

Right Out: -33.450 ± 1.164 χ^2/NDF : 9.6/1

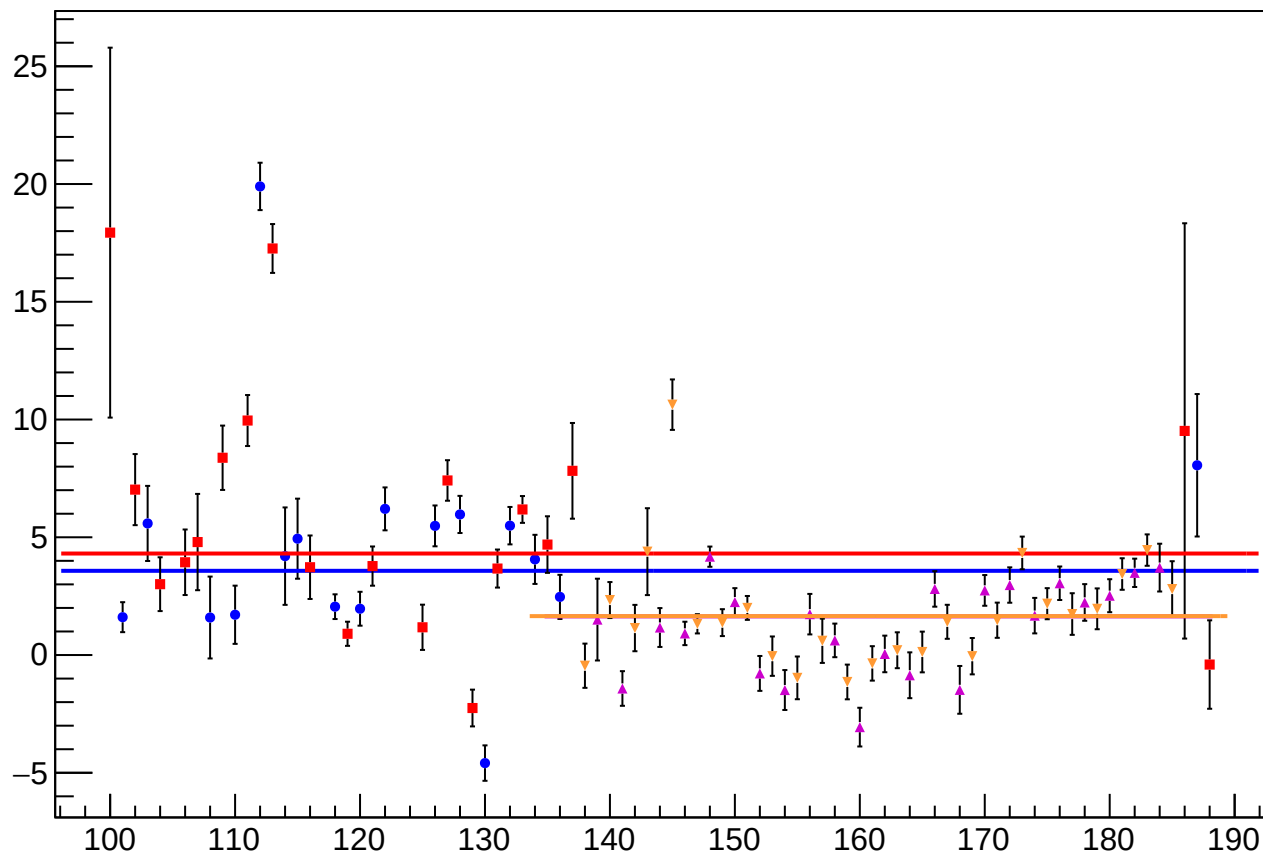
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -36.176 ± 0.190 χ^2/NDF : 1205.8/25

All: -35.945 ± 0.134 χ^2/NDF : 2076.3/50

- sign -35.718 ± 0.189 χ^2/NDF : 867.6/24

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.576 ± 0.220 χ^2/NDF : 442.1/16

Left Out: 1.652 ± 0.147 χ^2/NDF : 168.8/24

Right Out: 4.310 ± 0.224 χ^2/NDF : 359.9/19

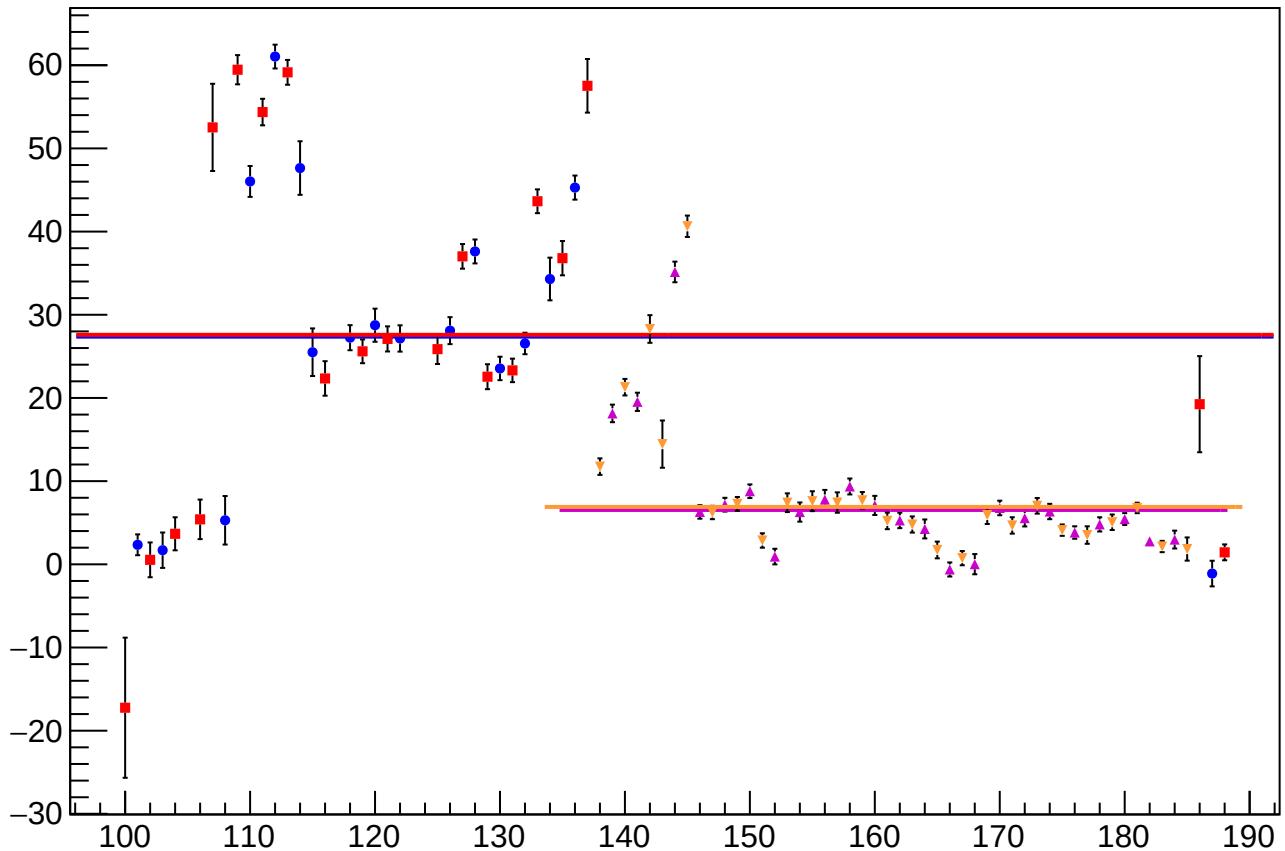
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.247 ± 0.122 χ^2/NDF : 663.6/41

All: 2.355 ± 0.087 χ^2/NDF : 1286.8/84

- sign 2.466 ± 0.124 χ^2/NDF : 621.6/42

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 27.373 ± 0.406 χ^2/NDF : 1856.9/16

Left Out: 6.900 ± 0.191 χ^2/NDF : 1302.8/24

Right Out: 27.589 ± 0.386 χ^2/NDF : 2564.9/19

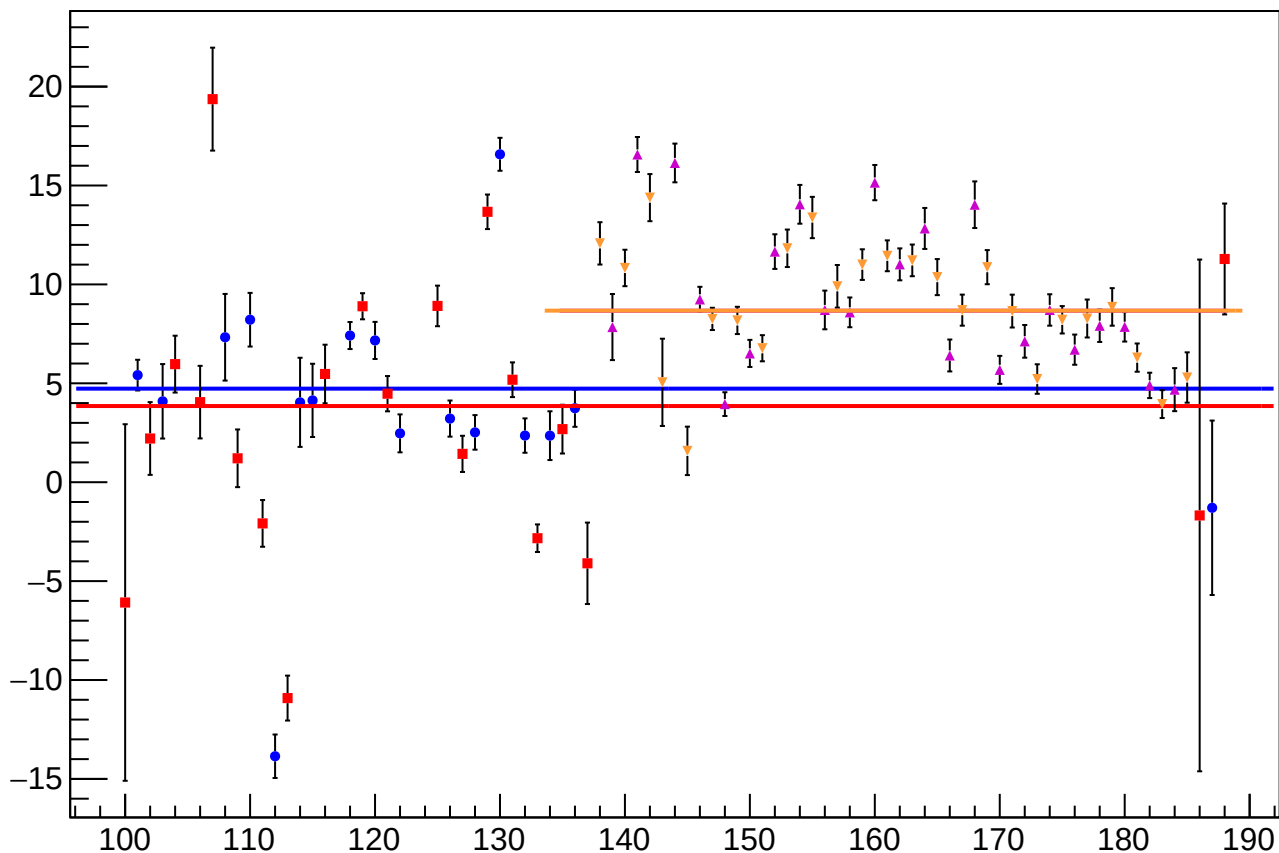
Left In: 6.537 ± 0.190 χ^2/NDF : 1025.1/22

+ sign 10.616 ± 0.173 χ^2/NDF : 5245.9/41

All: 10.634 ± 0.121 χ^2/NDF : 11225.8/84

- sign 10.651 ± 0.171 χ^2/NDF : 5979.9/42

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.730 ± 0.254 χ^2/NDF : 548.4/16

Left Out: 8.674 ± 0.168 χ^2/NDF : 243.7/24

Right Out: 3.850 ± 0.258 χ^2/NDF : 572.0/19

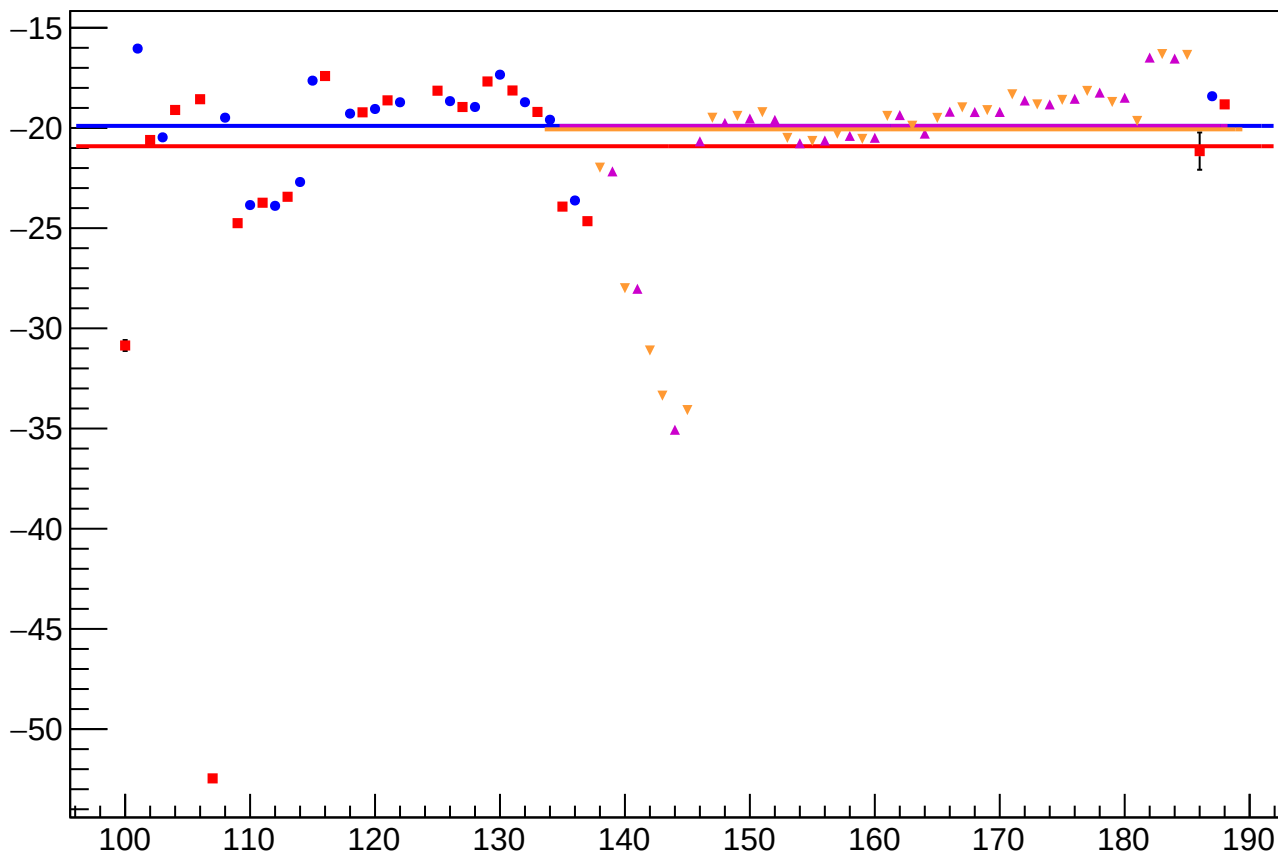
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.469 ± 0.140 χ^2/NDF : 959.4/41

All: 7.339 ± 0.100 χ^2/NDF : 2213.1/84

- sign 7.206 ± 0.142 χ^2/NDF : 1252.0/42

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.896 ± 0.016 χ^2/NDF : 26055.2/16

Left Out: -20.069 ± 0.008 χ^2/NDF : 185373.7/24

Right Out: -20.911 ± 0.016 χ^2/NDF : 94202.6/19

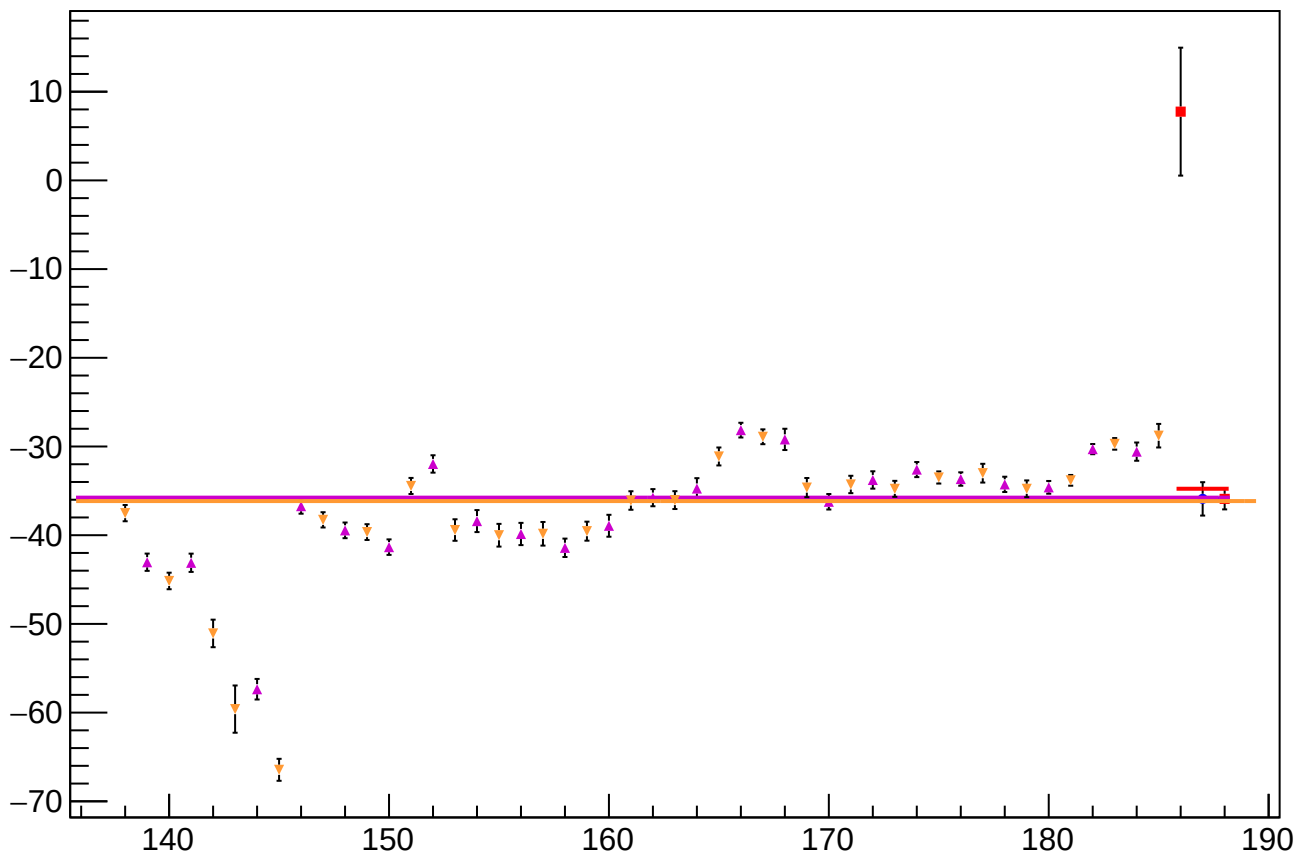
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -20.034 ± 0.007 χ^2/NDF : 211527.0/41

All: -20.068 ± 0.005 χ^2/NDF : 453318.0/84

- sign -20.101 ± 0.007 χ^2/NDF : 241745.0/42

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -35.906 ± 1.881 χ^2/NDF : 0.0/0

Left Out: -36.152 ± 0.191 χ^2/NDF : 1199.2/24

Right Out: -34.763 ± 1.167 χ^2/NDF : 35.7/1

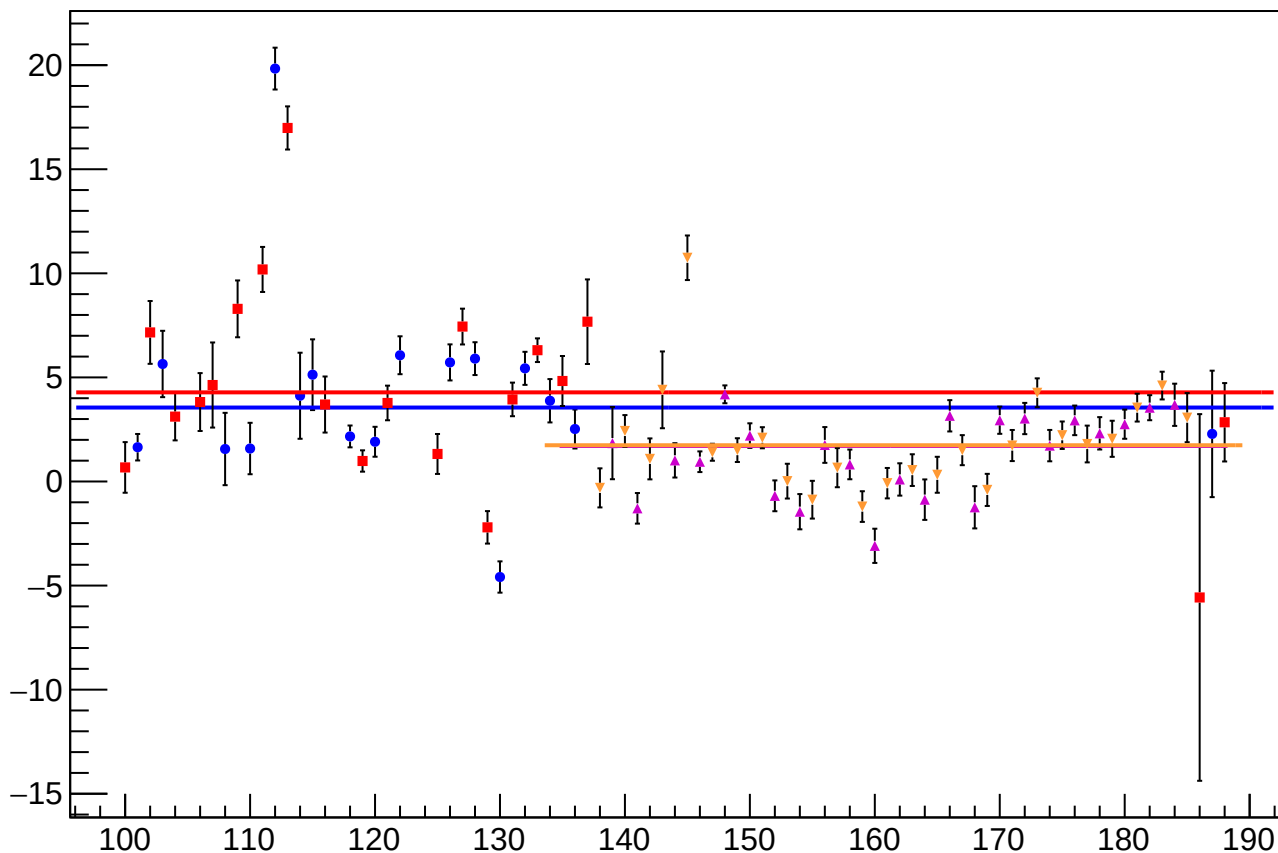
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -36.150 ± 0.190 χ^2/NDF : 1199.2/25

All: -35.943 ± 0.134 χ^2/NDF : 2080.6/50

- sign -35.740 ± 0.189 χ^2/NDF : 879.0/24

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.552 ± 0.220 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 1.741 ± 0.147 $\chi^2/\text{NDF}: 170.2/24$

Right Out: 4.281 ± 0.220 $\chi^2/\text{NDF}: 354.0/19$

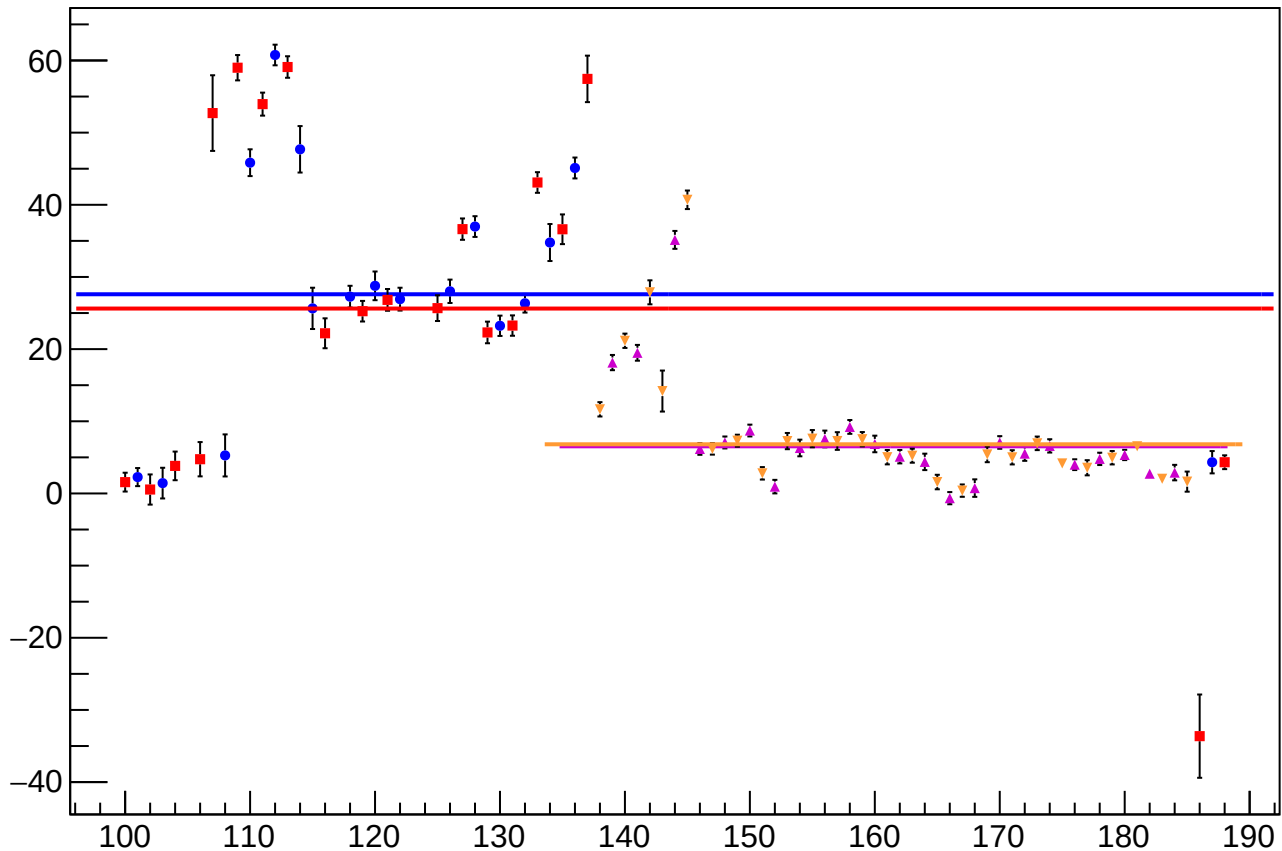
Left In: 1.705 ± 0.149 $\chi^2/\text{NDF}: 163.0/22$

+ sign 2.301 ± 0.122 $\chi^2/\text{NDF}: 654.4/41$

All: 2.409 ± 0.087 $\chi^2/\text{NDF}: 1266.9/84$

- sign 2.519 ± 0.124 $\chi^2/\text{NDF}: 610.9/42$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 27.603 $\pm$ 0.405 χ^2 /NDF: 1726.7/16

Left Out: 6.813 $\pm$ 0.191 χ^2 /NDF:1304.5/24

Right Out: 25.623 $\pm$ 0.371 χ^2 /NDF: 2832.4/19

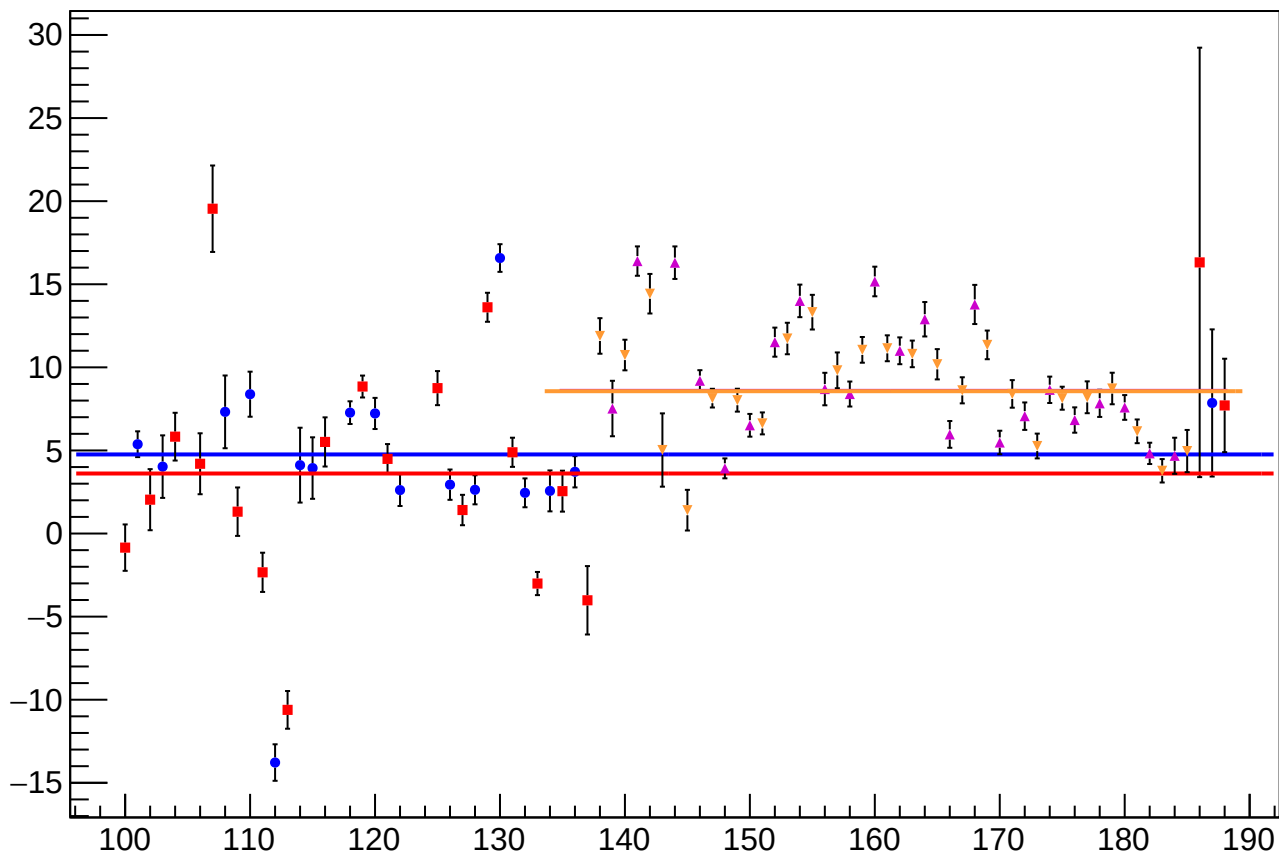
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF:1018.2/22

+ sign 10.585 $\pm$ 0.173 χ^2 /NDF: 5184.3/41

All: 10.548 $\pm$ 0.121 χ^2 /NDF: 11134.1/84

- sign 10.513 $\pm$ 0.169 χ^2 /NDF: 5949.6/42

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.760 ± 0.254 χ^2/NDF : 543.5/16

Left Out: 8.565 ± 0.168 χ^2/NDF : 248.1/24

Right Out: 3.612 ± 0.253 χ^2/NDF : 573.5/19

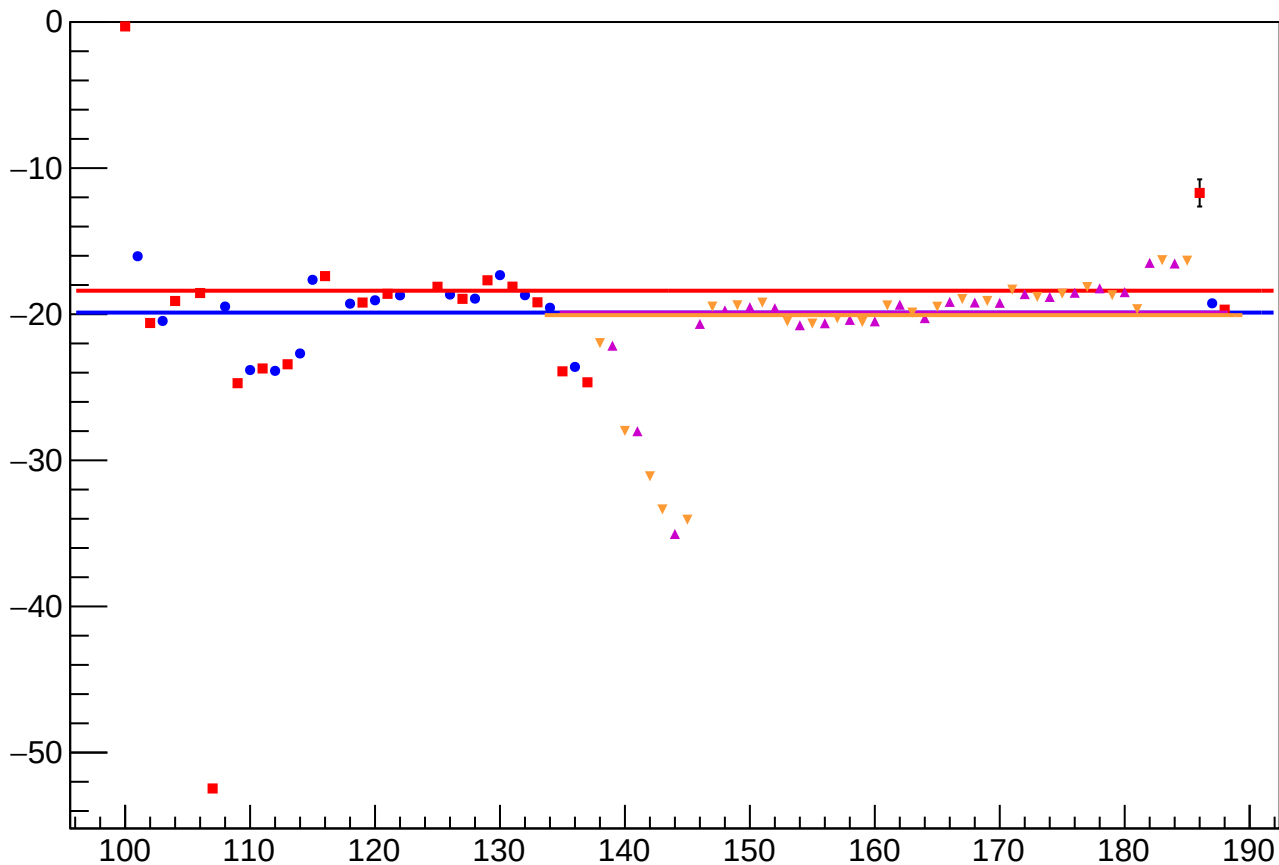
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.402 ± 0.140 χ^2/NDF : 947.6/41

All: 7.223 ± 0.100 χ^2/NDF : 2231.6/84

- sign 7.041 ± 0.141 χ^2/NDF : 1280.7/42

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.887 ± 0.016 $\chi^2/\text{NDF}: 26015.4/16$

Left Out: -20.061 ± 0.008 $\chi^2/\text{NDF}: 185580.2/24$

Right Out: -18.390 ± 0.015 $\chi^2/\text{NDF}: 301143.1/19$

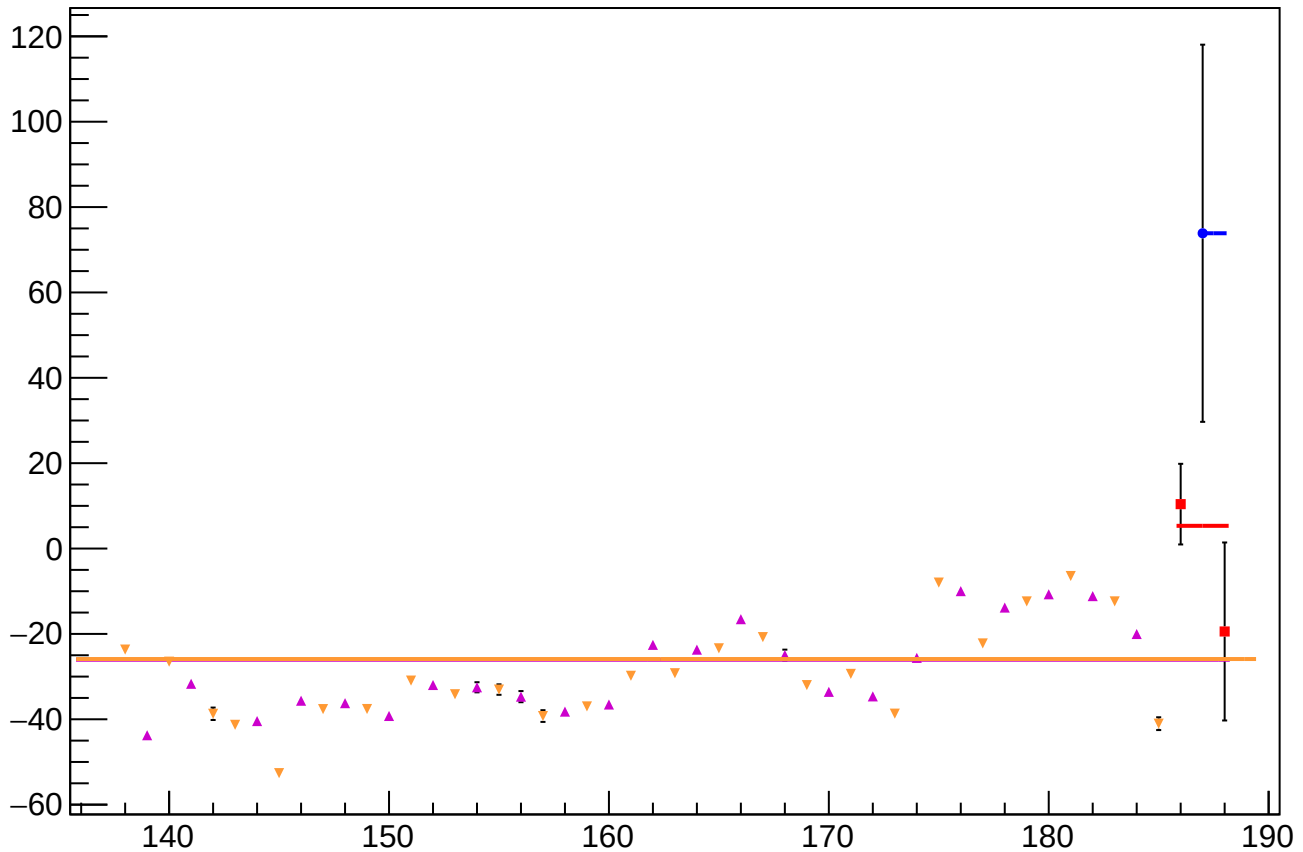
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -20.026 ± 0.007 $\chi^2/\text{NDF}: 211694.8/41$

All: -19.788 ± 0.005 $\chi^2/\text{NDF}: 667269.2/84$

- sign -19.558 ± 0.007 $\chi^2/\text{NDF}: 453318.3/42$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: 73.867 $\pm$ 44.183 χ^2 /NDF: 0.0/0

Left Out: -25.884 $\pm$ 0.192 χ^2 /NDF: 4158.0/24

Right Out: 5.323 $\pm$ 8.605 χ^2 /NDF: 1.7/1

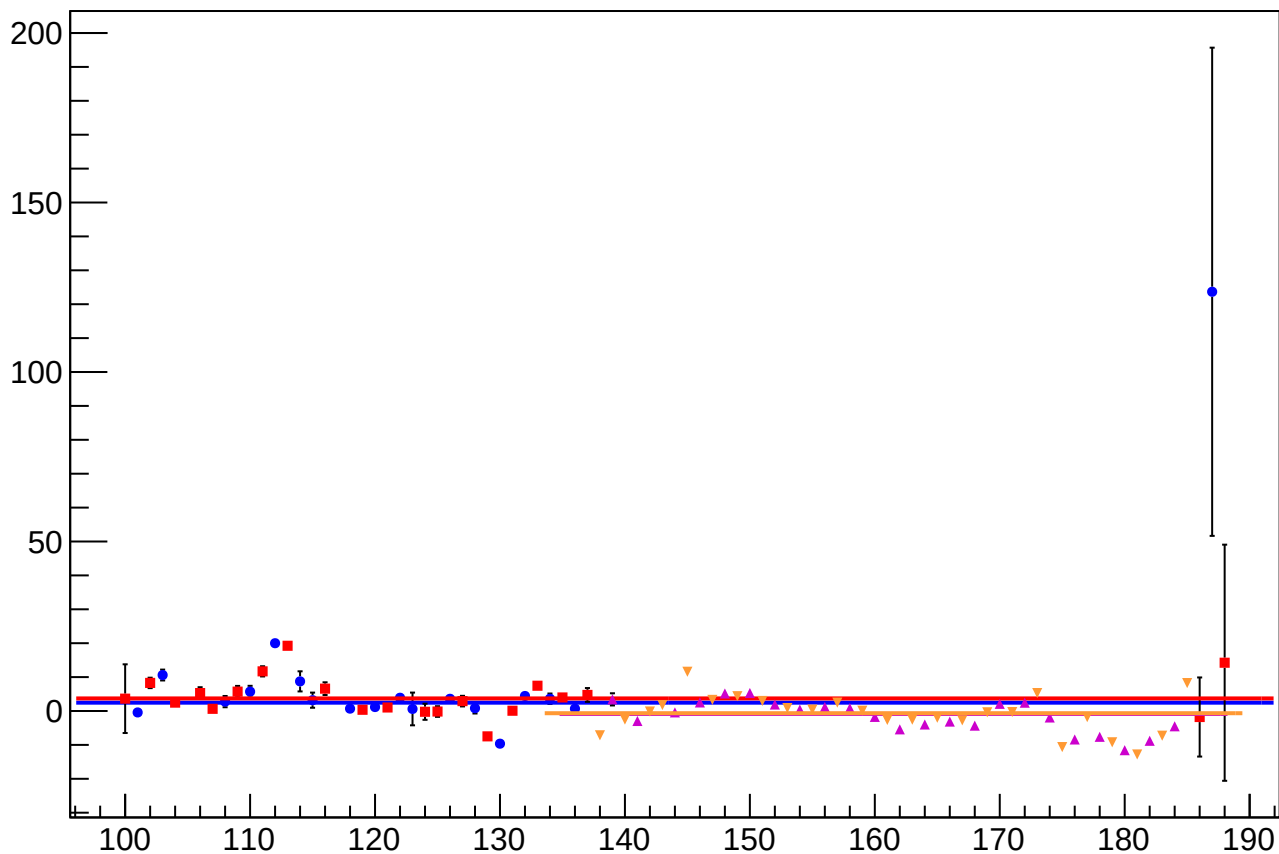
Left In: -26.052 $\pm$ 0.195 χ^2 /NDF: 3279.5/22

+ sign -25.883 $\pm$ 0.192 χ^2 /NDF: 4163.1/25

All: -25.958 $\pm$ 0.137 χ^2 /NDF: 7457.9/50

- sign -26.036 $\pm$ 0.195 χ^2 /NDF: 3294.5/24

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.457 ± 0.315 χ^2/NDF : 297.1/17

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.710 ± 0.327 χ^2/NDF : 269.4/20

Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.102 ± 0.133 χ^2/NDF : 1698.3/42

All: -0.083 ± 0.095 χ^2/NDF : 3196.0/86

- sign -0.063 ± 0.137 χ^2/NDF : 1497.7/43

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.531 $\pm$ 0.577 χ^2 /NDF: 2259.6/17

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.517 $\pm$ 0.591 χ^2 /NDF: 1626.6/20

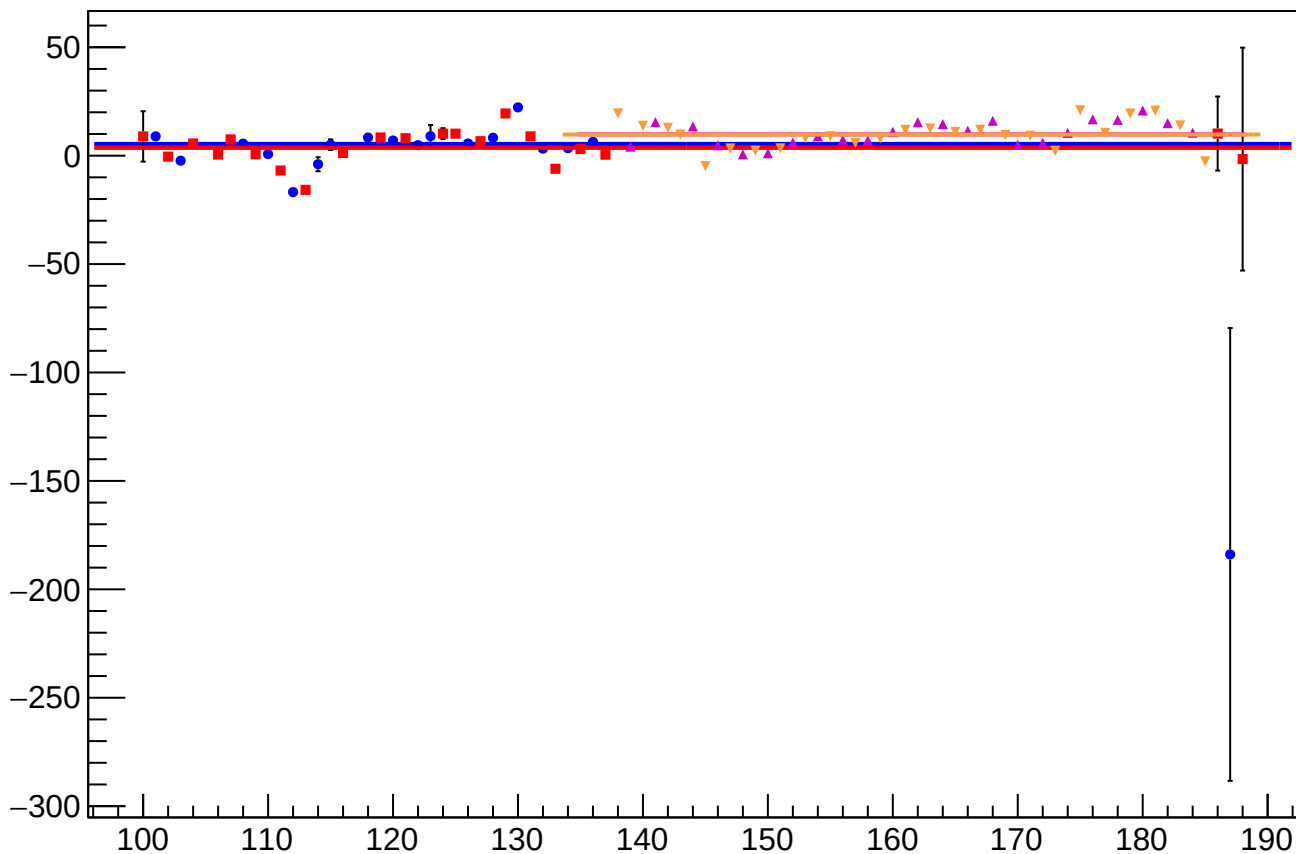
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.225 $\pm$ 0.182 χ^2 /NDF: 8082.4/42

All: 57.426 $\pm$ 0.129 χ^2 /NDF: 15224.6/86

- sign 57.632 $\pm$ 0.184 χ^2 /NDF: 7139.7/43

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.426 ± 0.361 χ^2/NDF : 389.0/17

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.585 ± 0.375 χ^2/NDF : 421.8/20

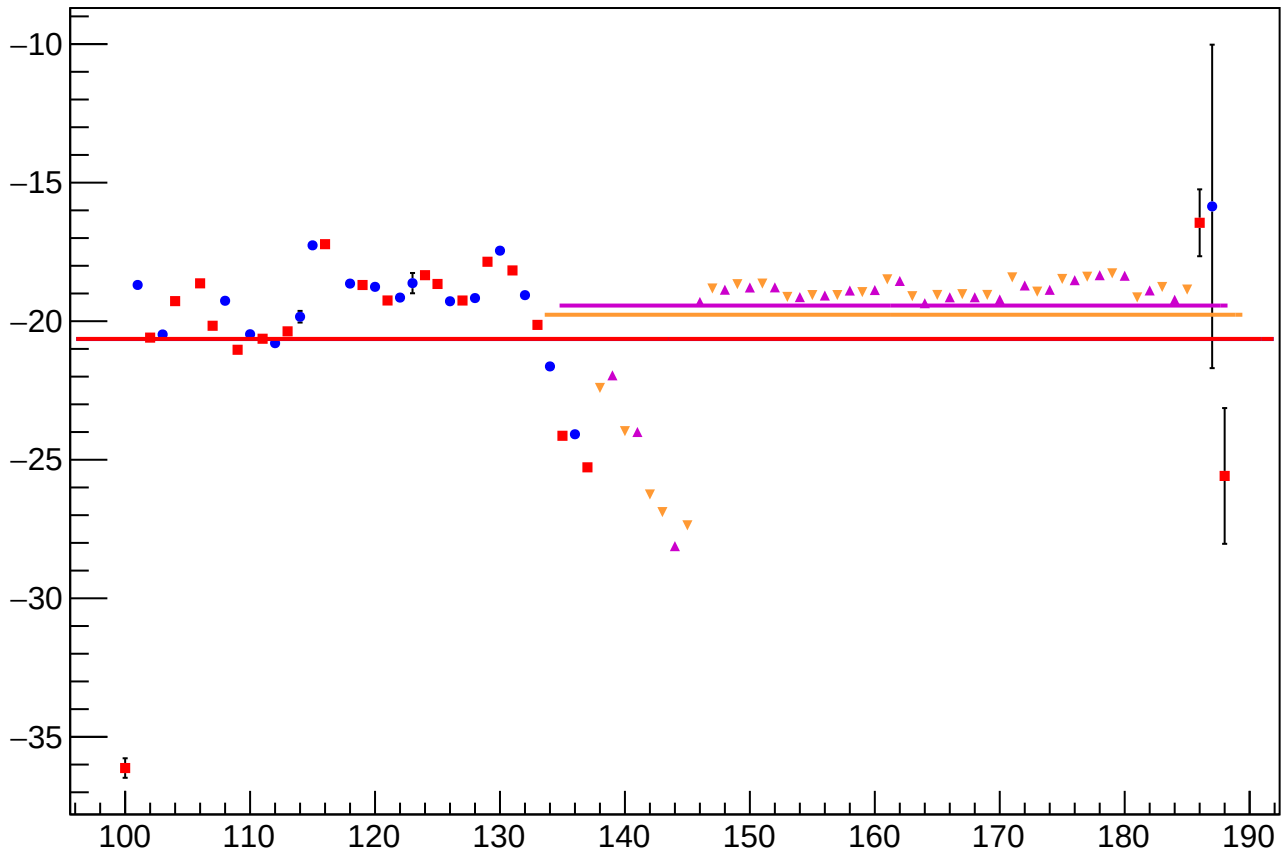
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.971 ± 0.152 χ^2/NDF : 1956.5/42

All: 8.853 ± 0.109 χ^2/NDF : 3765.2/86

- sign 8.728 ± 0.156 χ^2/NDF : 1807.4/43

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12424.9/17$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.639 ± 0.019 $\chi^2/\text{NDF}: 13802.0/20$

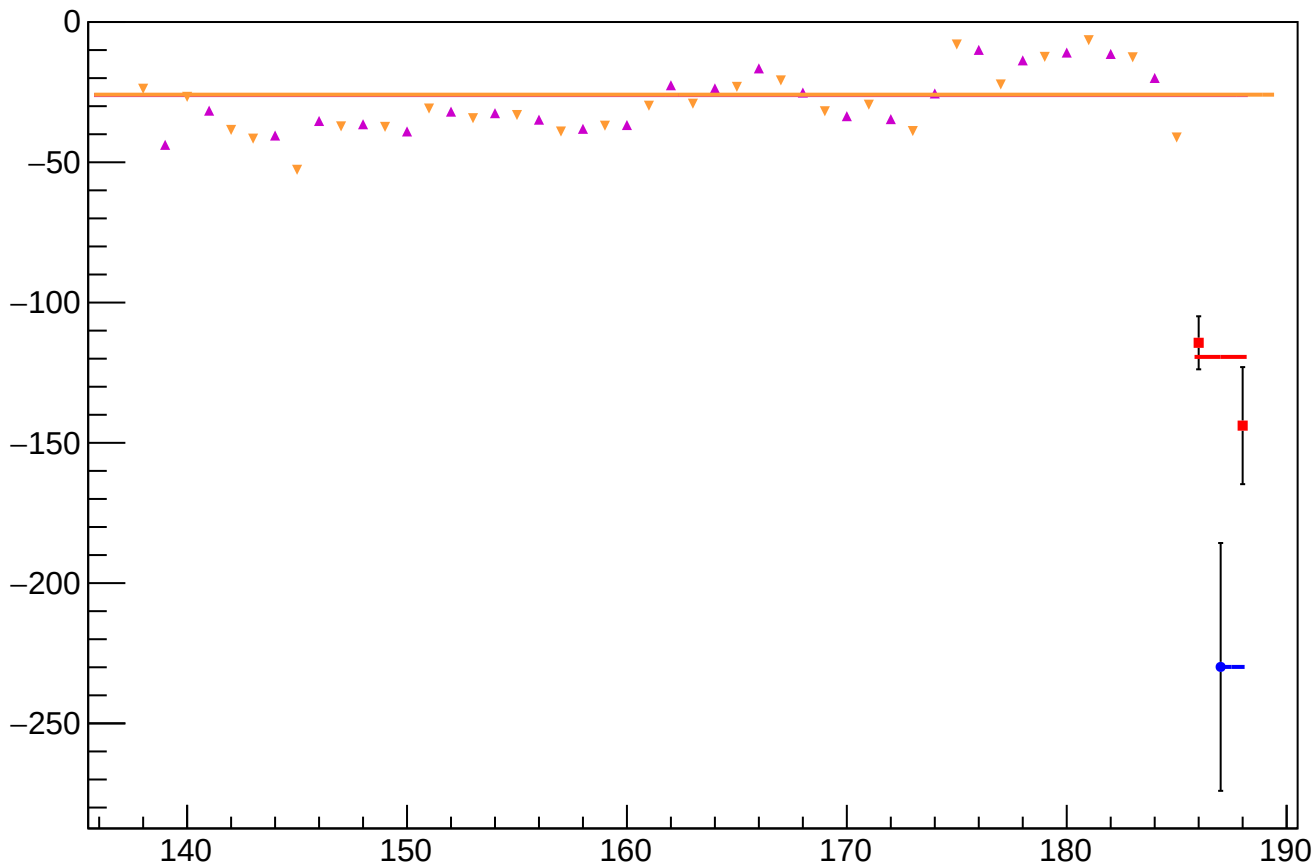
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105803.0/42$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176804.3/86$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70249.1/43$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -229.874 ± 44.169 χ^2/NDF : 0.0/0

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -119.370 ± 8.611 χ^2/NDF : 1.7/1

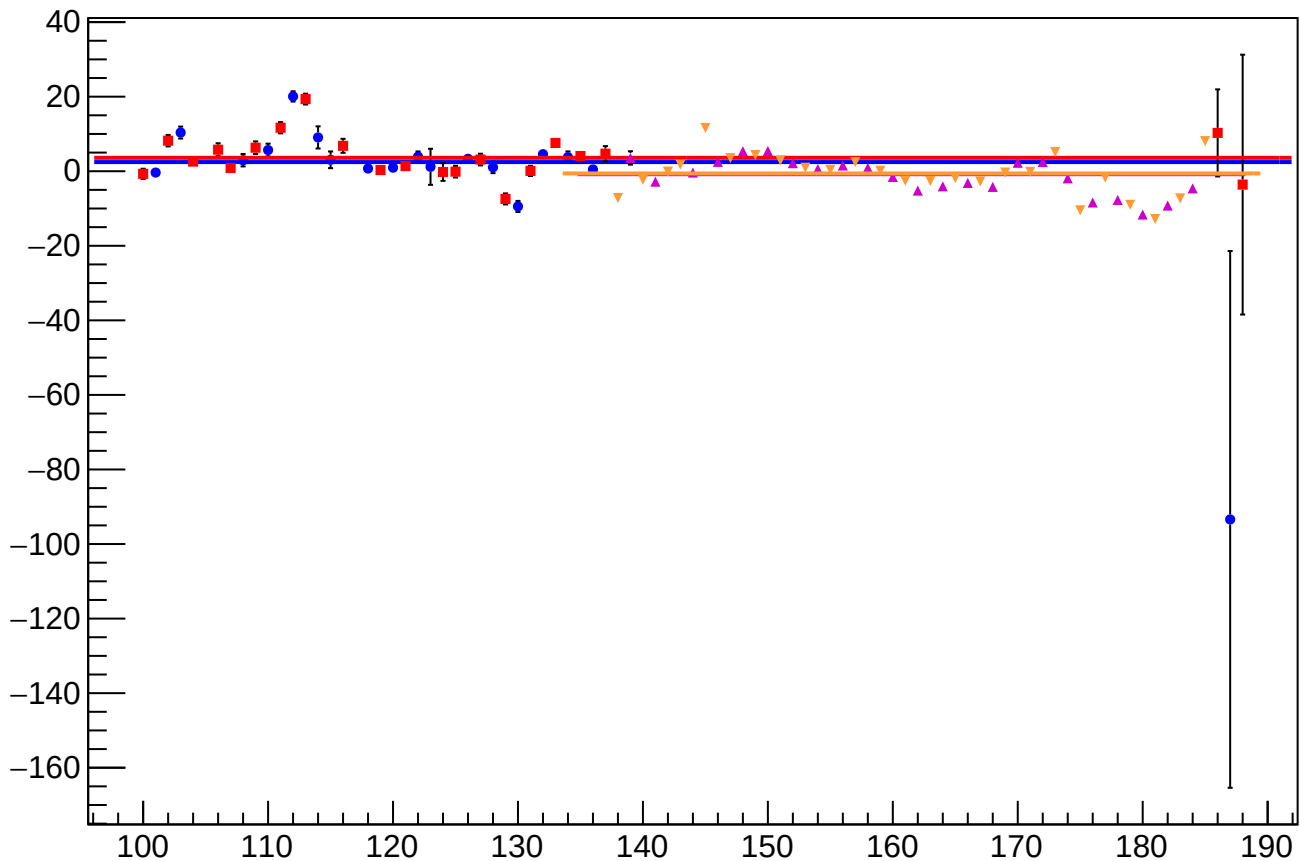
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.903 ± 0.192 χ^2/NDF : 4148.9/25

All: -25.997 ± 0.137 χ^2/NDF : 7515.1/50

- sign -26.094 ± 0.195 χ^2/NDF : 3365.8/24

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.453 ± 0.315 χ^2/NDF : 294.1/17

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.596 ± 0.318 χ^2/NDF : 280.4/20

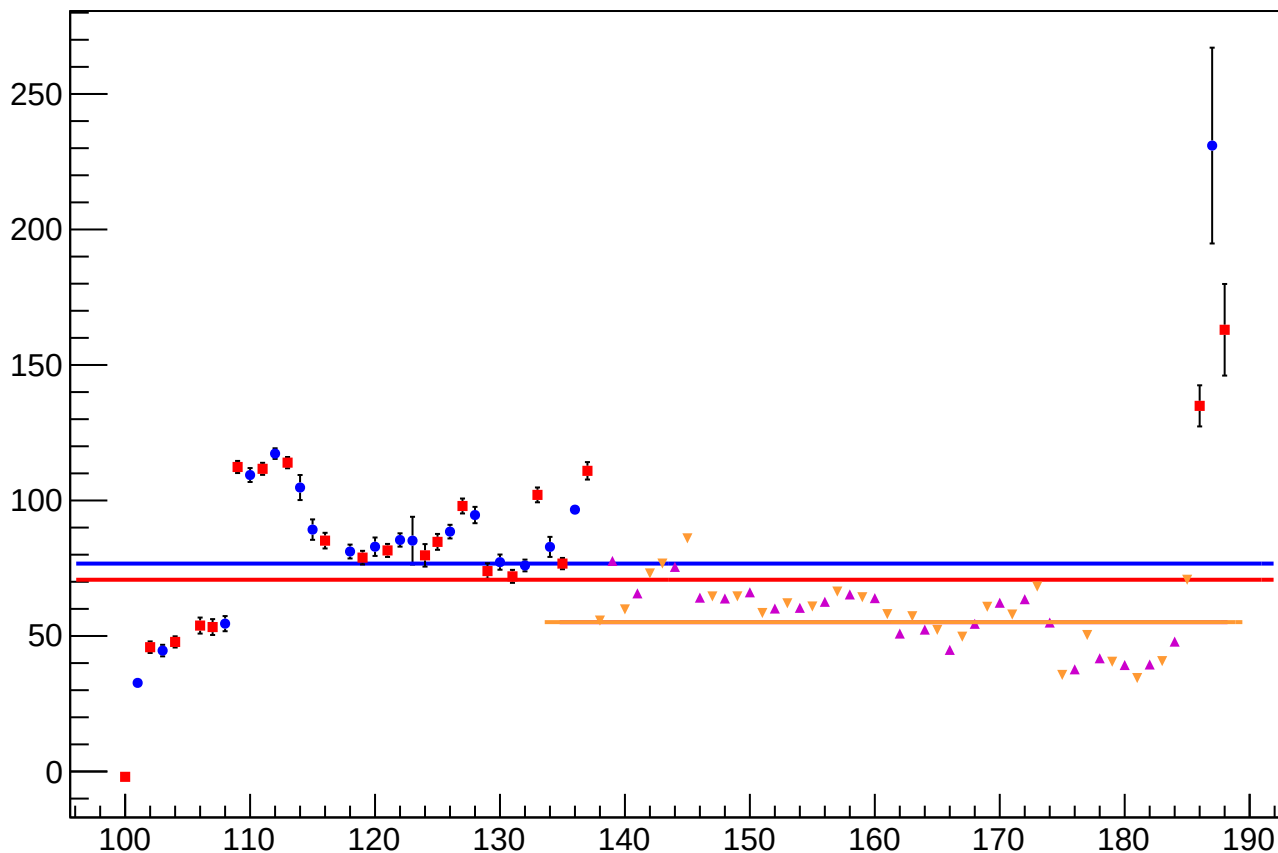
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.055 ± 0.133 χ^2/NDF : 1681.9/42

All: -0.024 ± 0.095 χ^2/NDF : 3224.5/86

- sign 0.009 ± 0.136 χ^2/NDF : 1542.5/43

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.714 ± 0.577 $\chi^2/\text{NDF}: 2283.0/17$

Left Out: 55.111 ± 0.192 $\chi^2/\text{NDF}: 4560.2/24$

Right Out: 70.752 ± 0.549 $\chi^2/\text{NDF}: 4489.1/20$

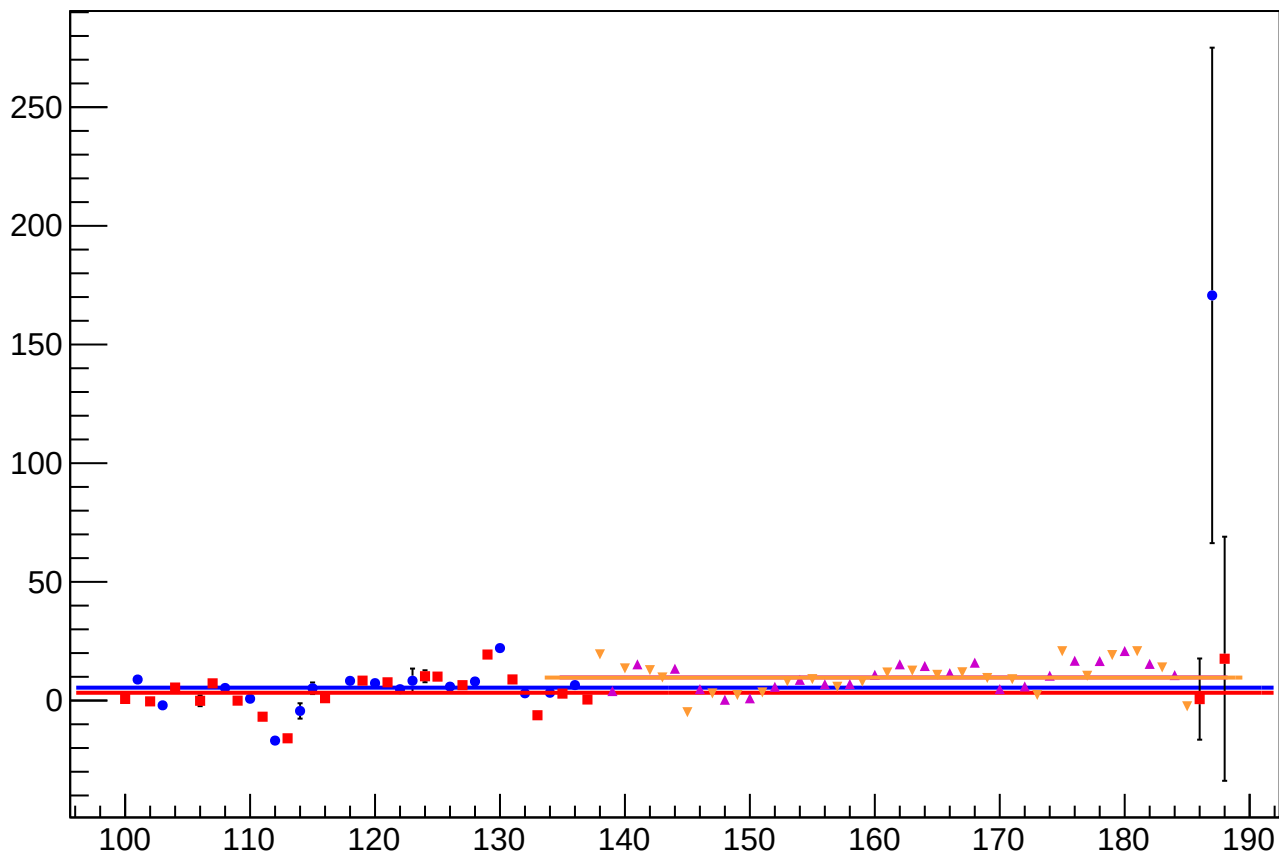
Left In: 55.094 ± 0.194 $\chi^2/\text{NDF}: 3664.6/22$

+ sign 57.255 ± 0.182 $\chi^2/\text{NDF}: 8105.2/42$

All: 57.042 ± 0.129 $\chi^2/\text{NDF}: 16985.6/86$

- sign 56.827 ± 0.183 $\chi^2/\text{NDF}: 8877.6/43$

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 $\pm$ 0.361 χ^2 /NDF: 386.7/17

Left Out: 9.675 $\pm$ 0.168 χ^2 /NDF:1441.3/24

Right Out: 3.279 $\pm$ 0.366 χ^2 /NDF: 425.1/20

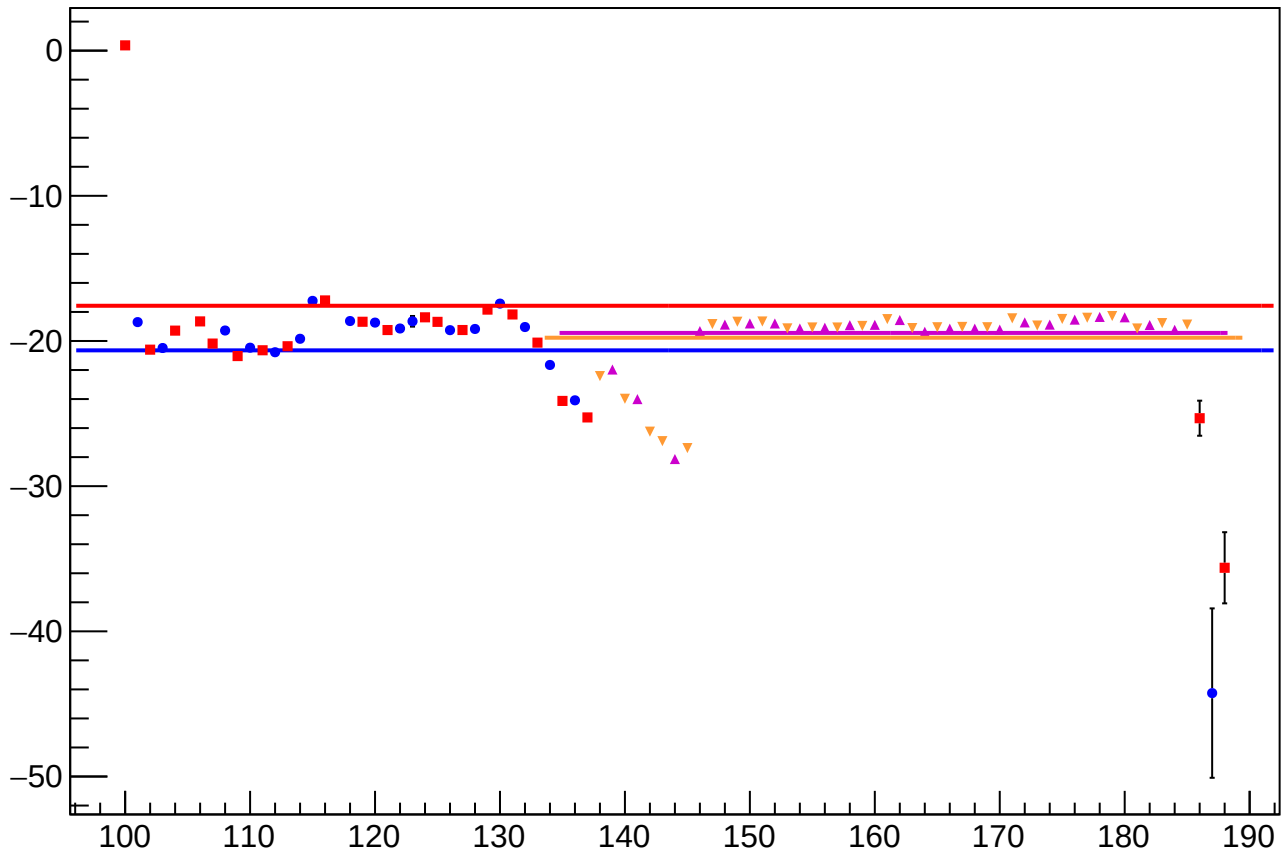
Left In: 9.738 $\pm$ 0.172 χ^2 /NDF:1191.1/22

+ sign 8.921 $\pm$ 0.152 χ^2 /NDF: 1941.7/42

All: 8.749 $\pm$ 0.109 χ^2 /NDF: 3816.3/86

- sign 8.569 $\pm$ 0.155 χ^2 /NDF: 1872.0/43

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.645 ± 0.019 χ^2/NDF : 12479.1/17

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.574 ± 0.018 χ^2/NDF : 178413.4/20

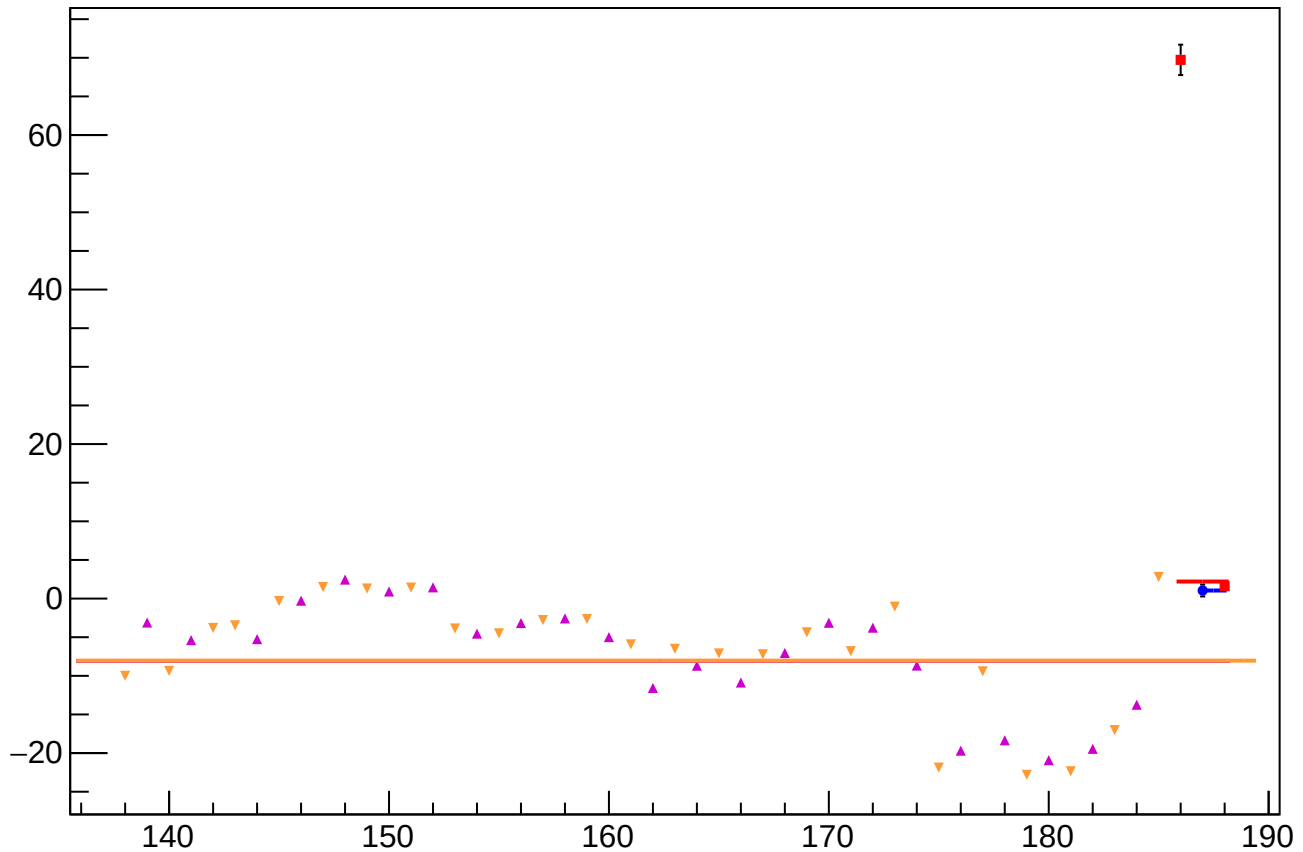
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105722.4/42

All: -19.518 ± 0.005 χ^2/NDF : 351669.7/86

- sign -19.140 ± 0.007 χ^2/NDF : 240537.3/43

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 1.044+/-0.771 χ^2/NDF : 0.0/0

Left Out: -8.034+/-0.070 χ^2/NDF :12568.0/24

Right Out: 2.206+/-0.185 χ^2/NDF : 1189.1/1

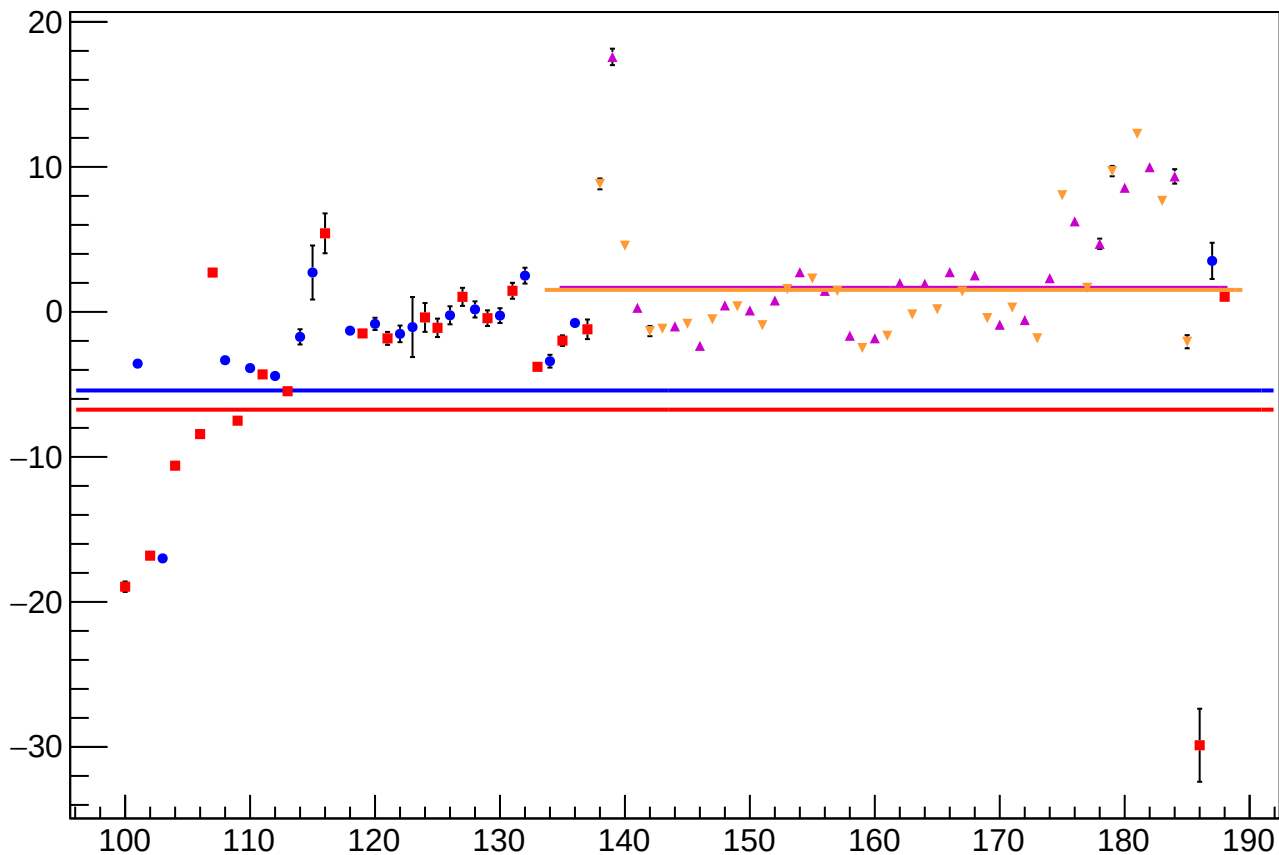
Left In: -8.078+/-0.072 χ^2/NDF :10541.6/22

+ sign -7.959+/-0.070 χ^2/NDF : 12705.5/25

All: -7.314+/-0.048 χ^2/NDF : 27294.6/50

- sign -6.722+/-0.067 χ^2/NDF : 14426.2/24

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.418 ± 0.055 χ^2/NDF : 9277.8/17

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -6.742 ± 0.058 χ^2/NDF : 13172.9/20

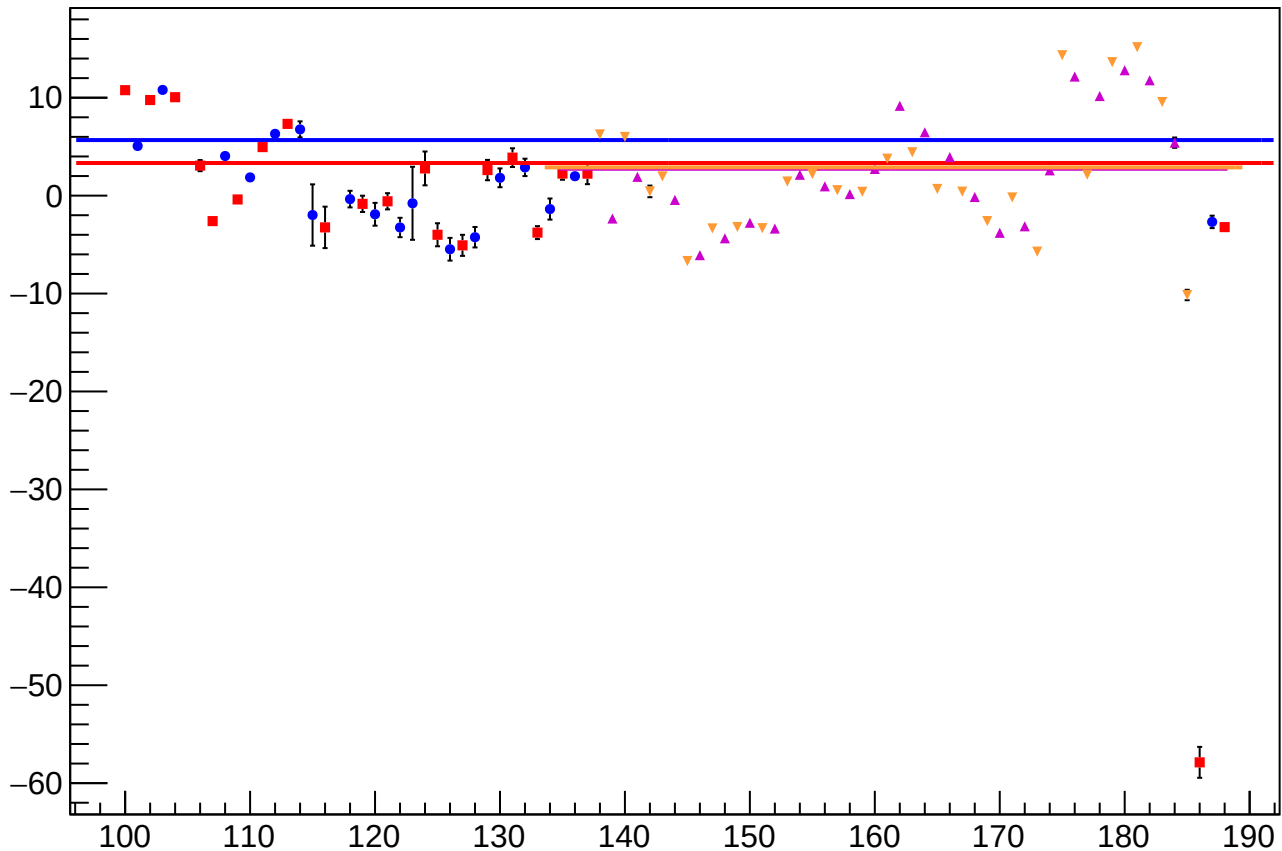
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -1.920 ± 0.039 χ^2/NDF : 22195.3/42

All: -2.174 ± 0.028 χ^2/NDF : 50295.9/86

- sign -2.452 ± 0.040 χ^2/NDF : 28010.1/43

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.674 ± 0.089 χ^2/NDF : 1613.6/17

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.332 ± 0.079 χ^2/NDF : 6913.0/20

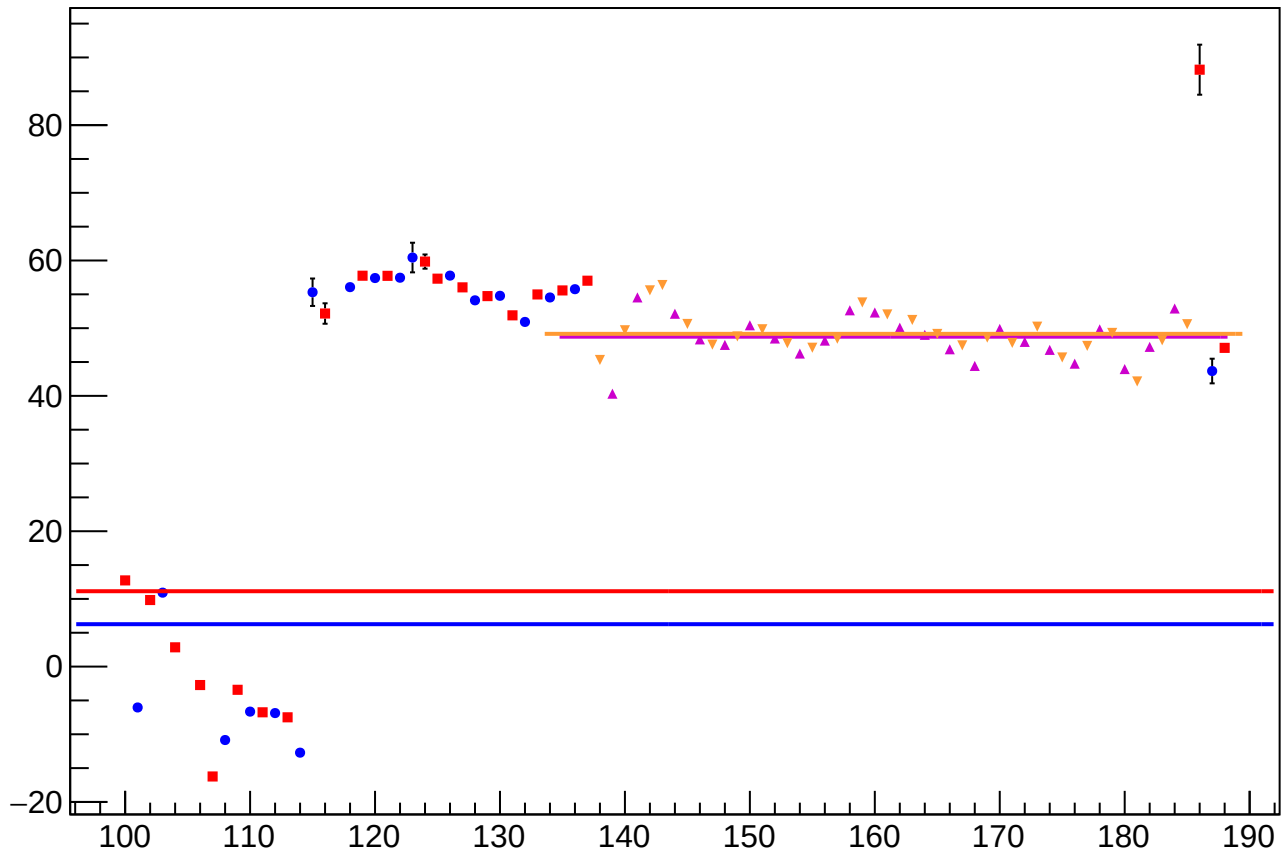
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.958 ± 0.055 χ^2/NDF : 11113.9/42

All: 3.465 ± 0.038 χ^2/NDF : 25394.5/86

- sign 3.008 ± 0.053 χ^2/NDF : 14126.4/43

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.264+/-0.065 χ^2/NDF : 121023.0/17

Left Out: 49.163+/-0.062 χ^2/NDF : 2259.9/24

Right Out: 11.136+/-0.069 χ^2/NDF : 130301.9/20

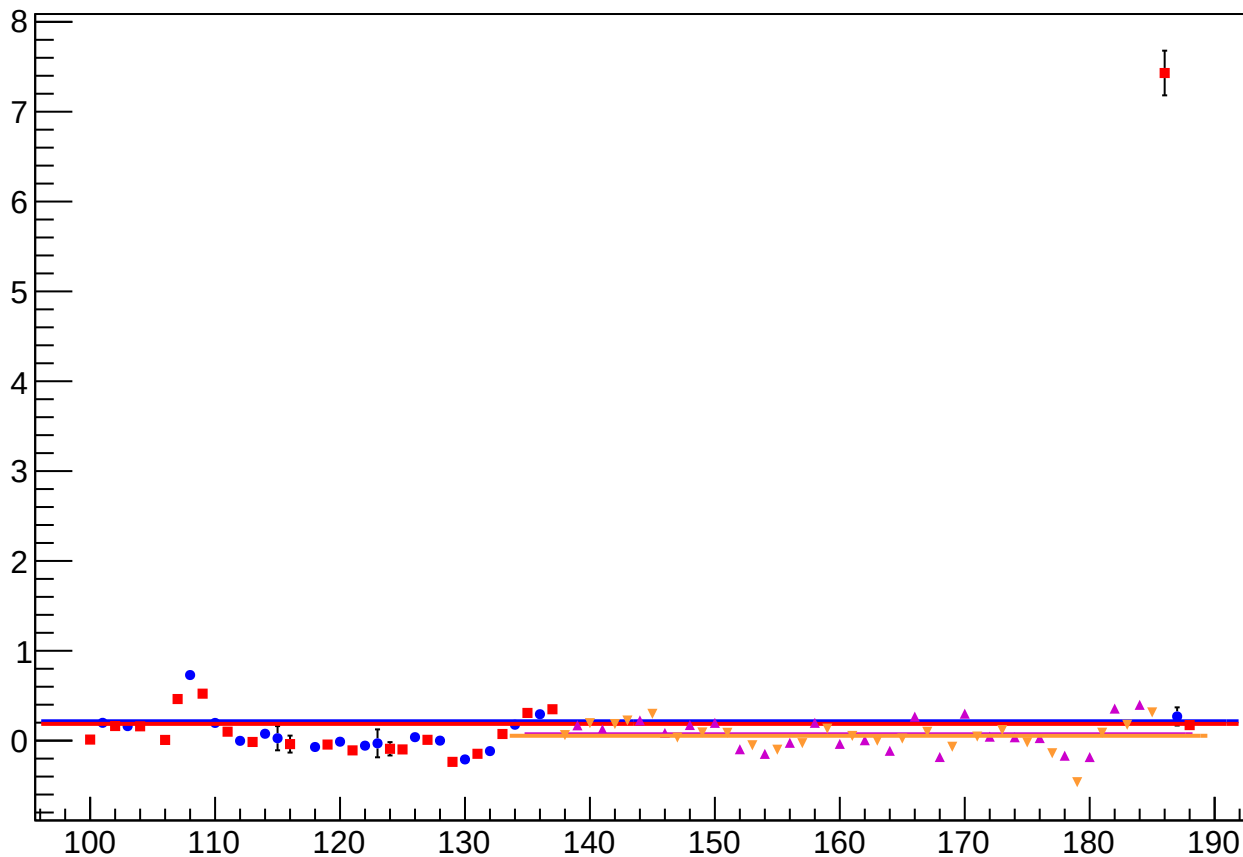
Left In: 48.744+/-0.064 χ^2/NDF : 2097.7/22

+ sign 28.757+/-0.045 χ^2/NDF : 352937.1/42

All: 29.995+/-0.032 χ^2/NDF : 647829.0/86

- sign 31.349+/-0.047 χ^2/NDF : 293285.7/43

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3924.2/17

Left Out: 0.054 $\pm$ 0.003 χ^2 /NDF:2379.8/24

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 3565.0/20

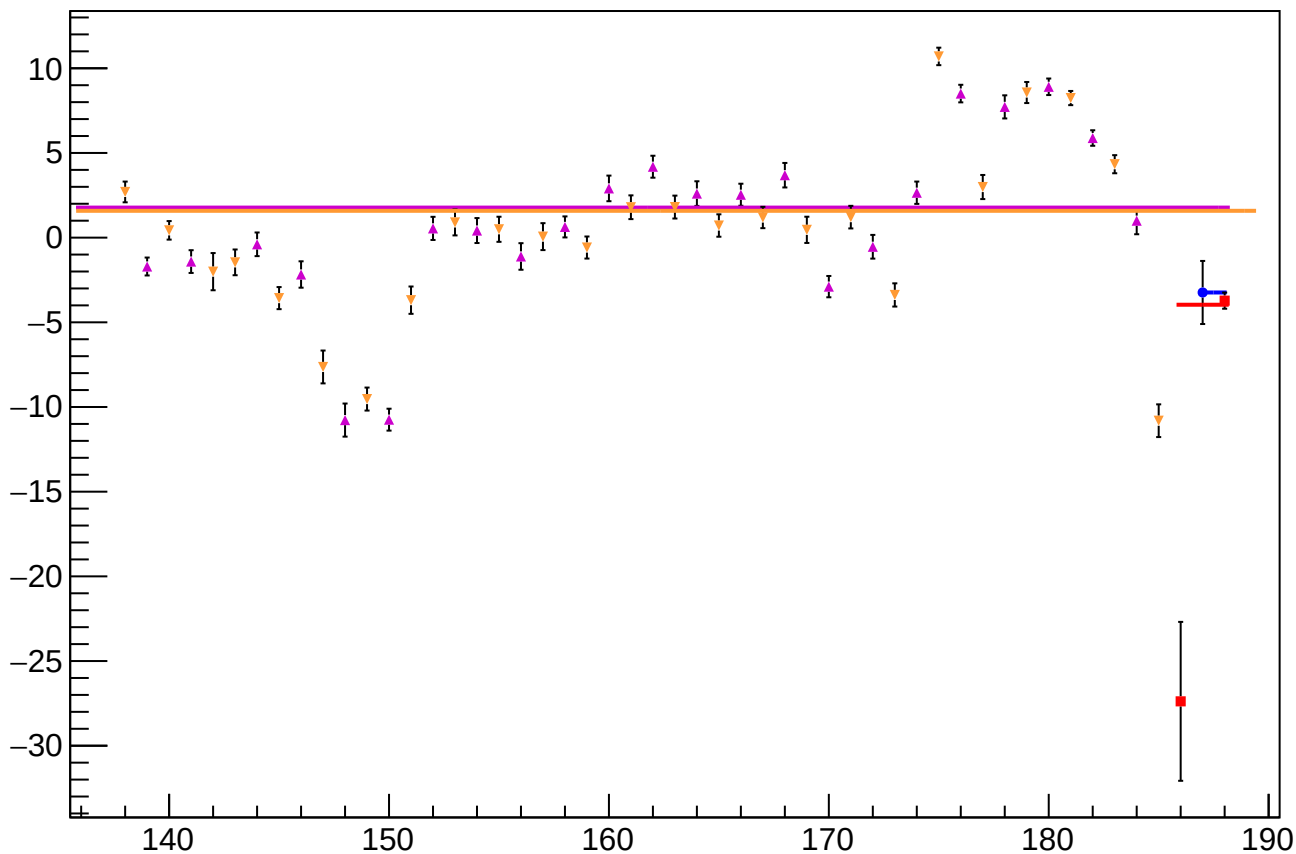
Left In: 0.070 $\pm$ 0.003 χ^2 /NDF:3233.8/22

+ sign 0.136 $\pm$ 0.002 χ^2 /NDF: 7967.1/42

All: 0.134 $\pm$ 0.001 χ^2 /NDF: 15651.5/86

- sign 0.133 $\pm$ 0.002 χ^2 /NDF: 7682.9/43

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -3.238 $\pm$ 1.863 χ^2 /NDF: 0.0/0

Left Out: 1.584 $\pm$ 0.133 χ^2 /NDF:1458.8/24

Right Out: -3.962 $\pm$ 0.475 χ^2 /NDF: 25.2/1

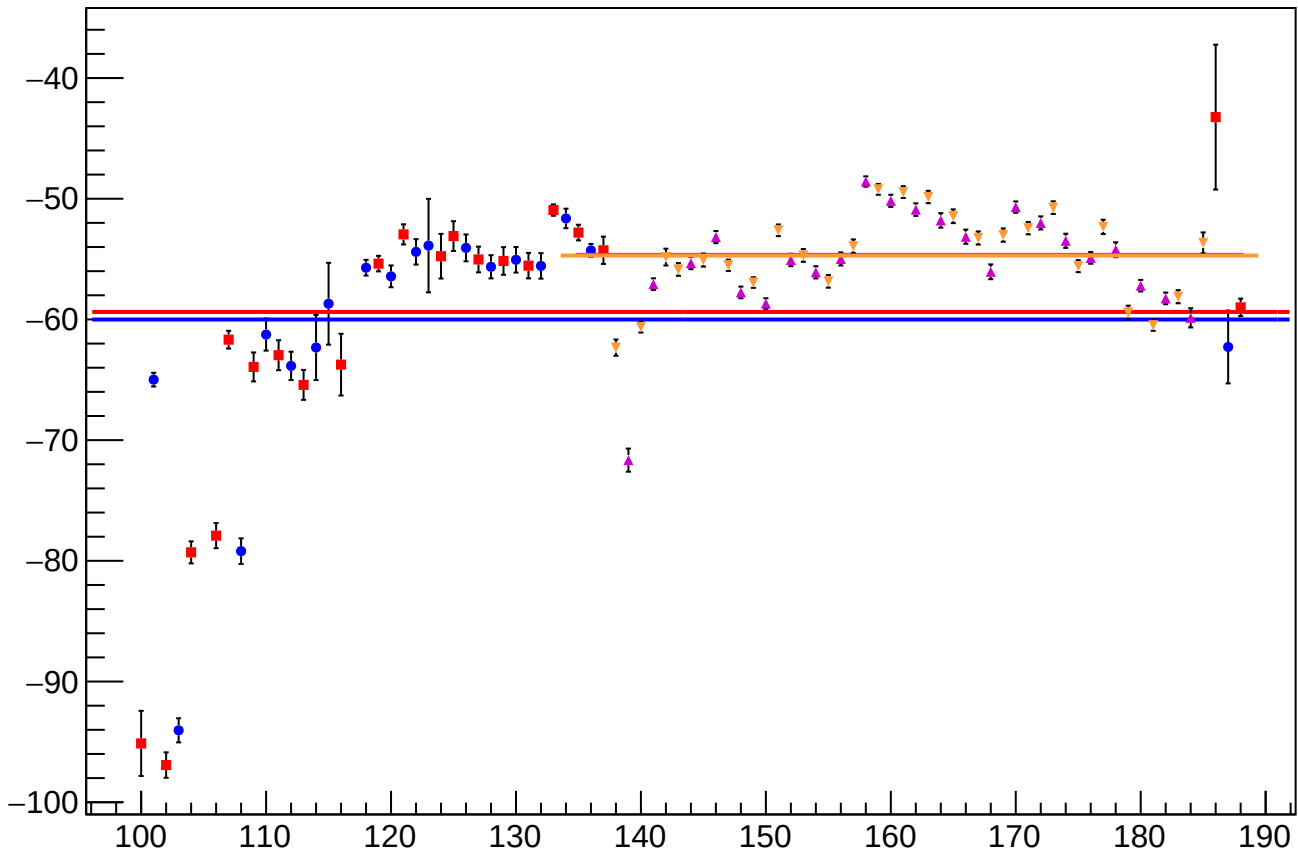
Left In: 1.774 $\pm$ 0.135 χ^2 /NDF:1297.3/22

+ sign 1.560 $\pm$ 0.132 χ^2 /NDF: 1465.5/25

All: 1.449 $\pm$ 0.093 χ^2 /NDF: 2924.5/50

- sign 1.343 $\pm$ 0.130 χ^2 /NDF: 1457.6/24

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -60.006 ± 0.225 $\chi^2/\text{NDF}: 1974.0/17$

Left Out: -54.707 ± 0.106 $\chi^2/\text{NDF}: 1126.0/24$

Right Out: -59.379 ± 0.203 $\chi^2/\text{NDF}: 2927.7/20$

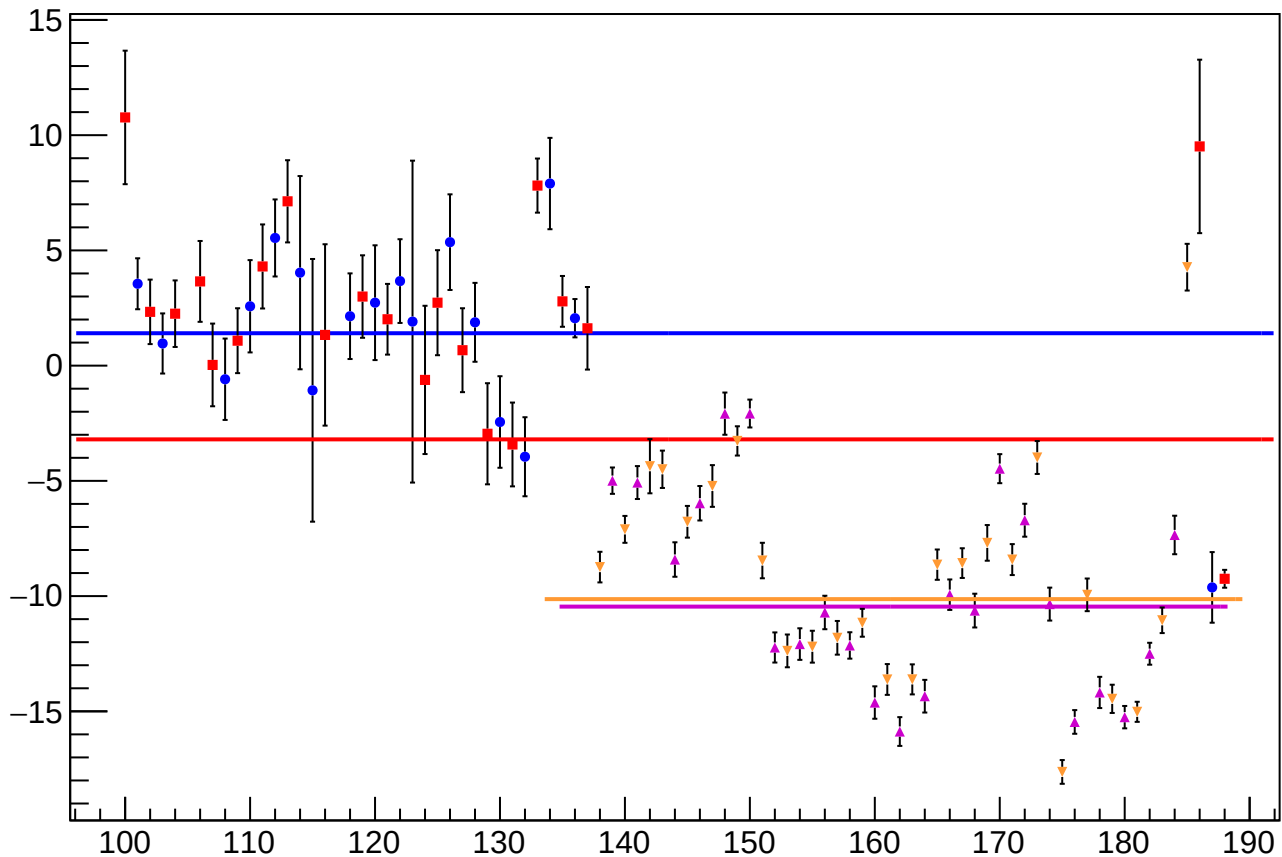
Left In: -54.650 ± 0.110 $\chi^2/\text{NDF}: 1077.1/22$

+ sign -55.668 ± 0.096 $\chi^2/\text{NDF}: 3555.7/42$

All: -55.692 ± 0.068 $\chi^2/\text{NDF}: 7979.0/86$

- sign -55.716 ± 0.097 $\chi^2/\text{NDF}: 4423.1/43$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 1.406 ± 0.393 χ^2/NDF : 94.6/17

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -3.200 ± 0.274 χ^2/NDF : 548.1/20

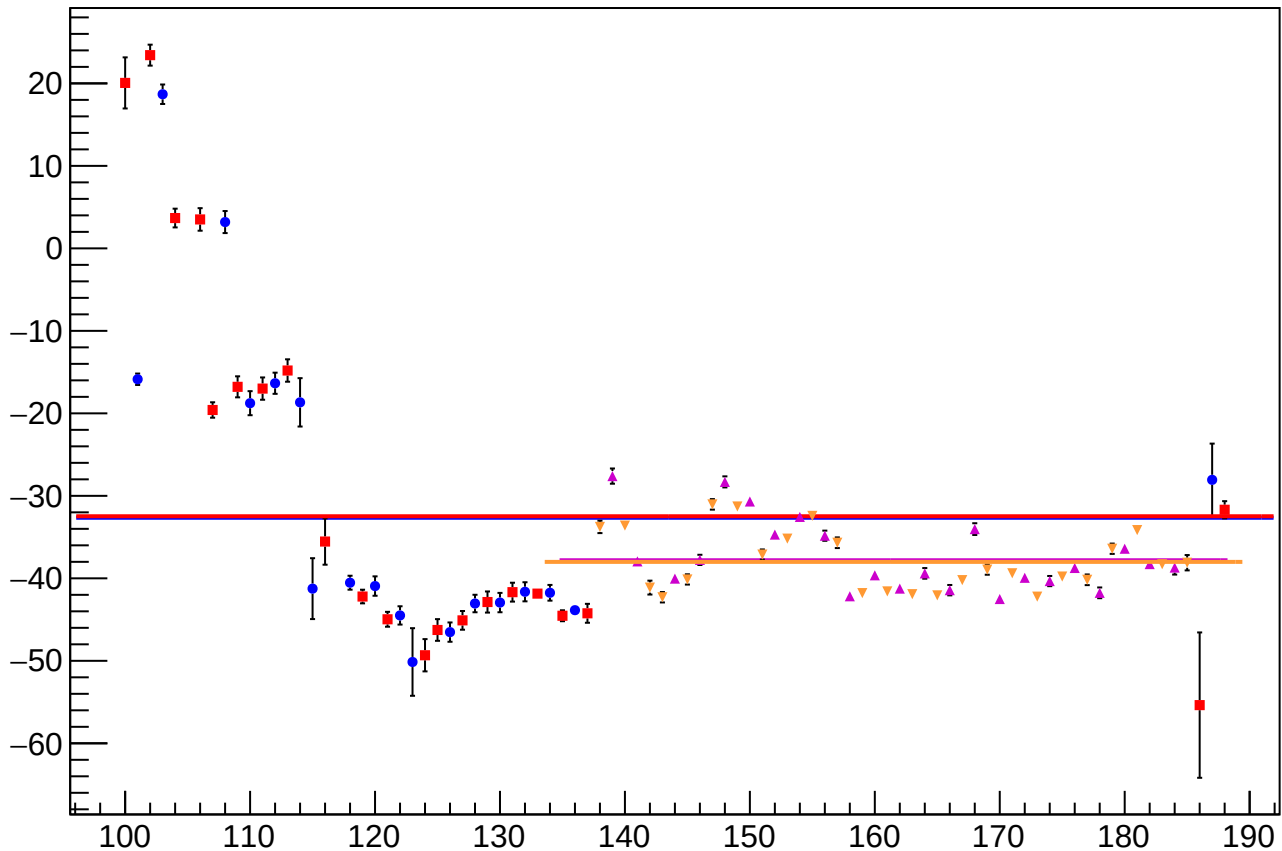
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.946 ± 0.126 χ^2/NDF : 1925.2/42

All: -8.996 ± 0.087 χ^2/NDF : 4042.6/86

- sign -9.041 ± 0.121 χ^2/NDF : 2117.1/43

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.655 ± 0.256 $\chi^2/\text{NDF}: 4643.7/17$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -32.475 ± 0.238 $\chi^2/\text{NDF}: 6050.3/20$

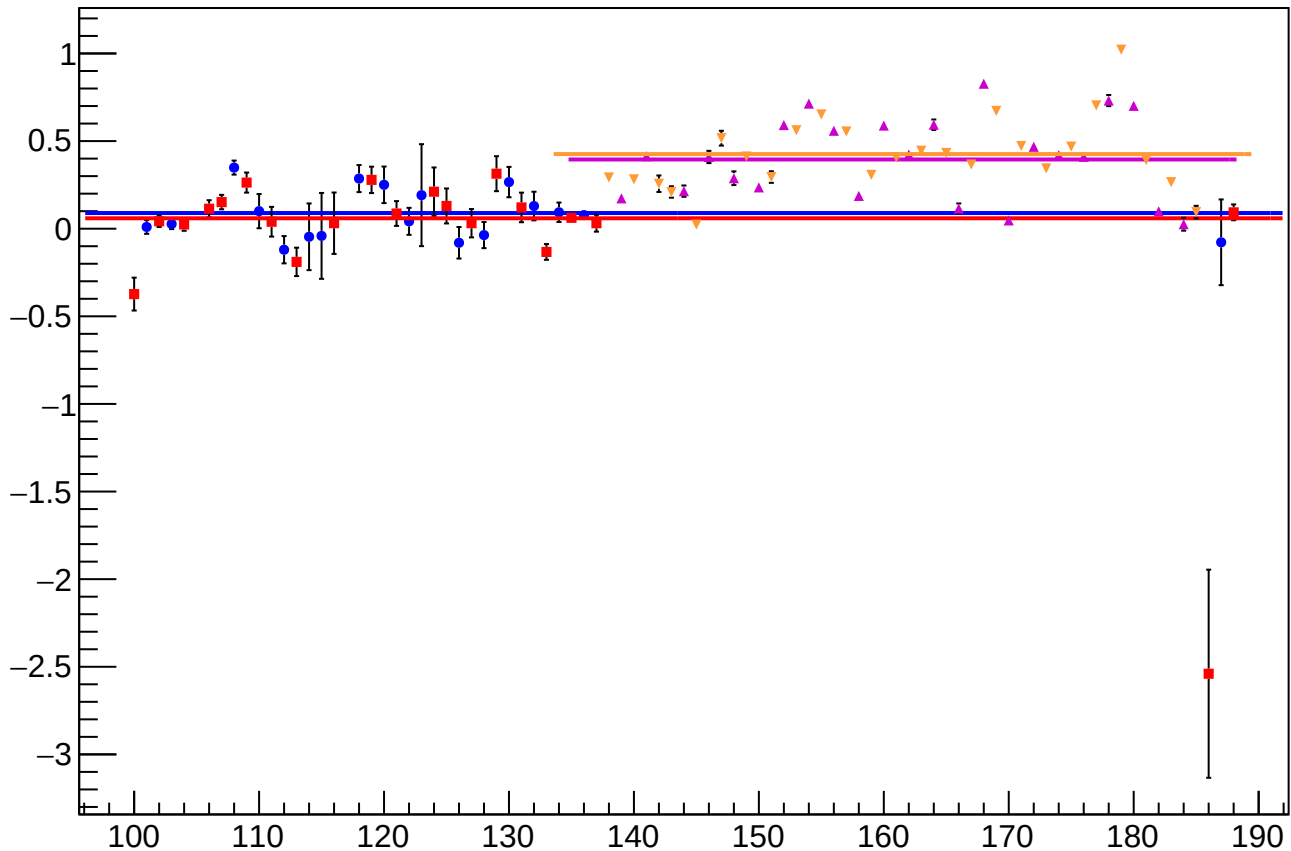
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -37.057 ± 0.108 $\chi^2/\text{NDF}: 5950.2/42$

All: -36.877 ± 0.077 $\chi^2/\text{NDF}: 13444.0/86$

- sign -36.693 ± 0.109 $\chi^2/\text{NDF}: 7488.2/43$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.089 ± 0.013 χ^2/NDF : 79.6/17

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.059 ± 0.012 χ^2/NDF : 106.7/20

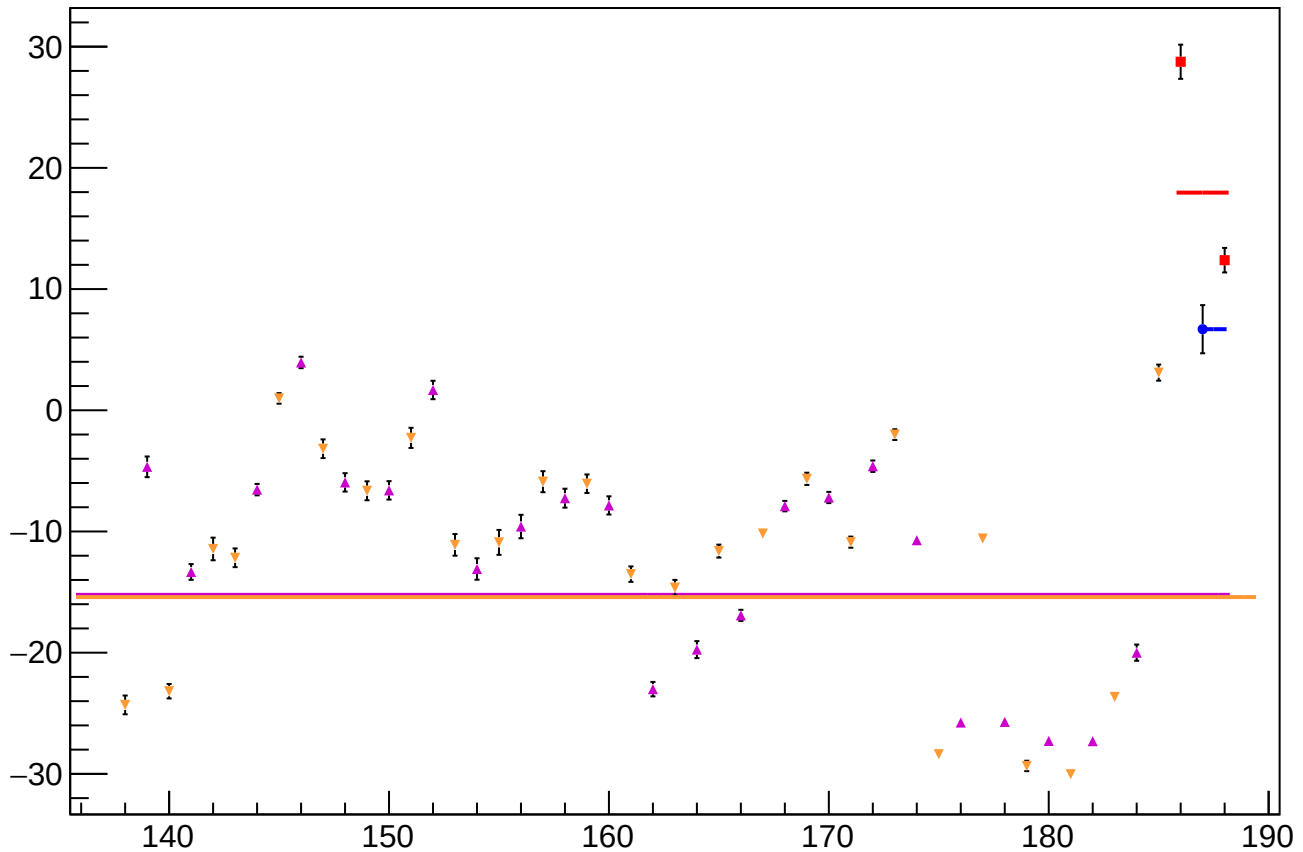
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.375 ± 0.005 χ^2/NDF : 1975.7/42

All: 0.355 ± 0.003 χ^2/NDF : 4583.5/86

- sign 0.336 ± 0.005 χ^2/NDF : 2577.1/43

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 6.689 ± 1.987 χ^2/NDF : 0.0/0

Left Out: -15.413 ± 0.105 χ^2/NDF : 10509.1/24

Right Out: 17.959 ± 0.823 χ^2/NDF : 89.0/1

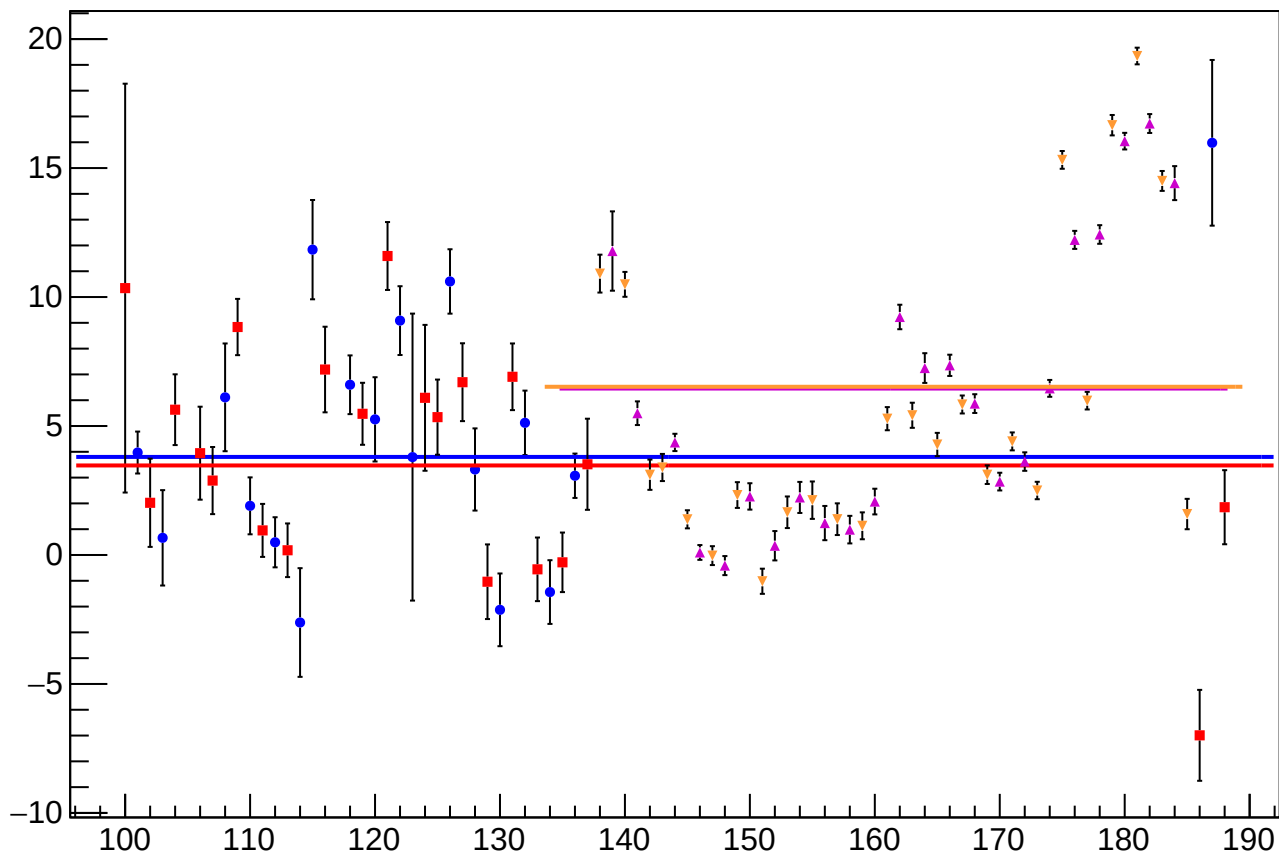
Left In: -15.229 ± 0.107 χ^2/NDF : 8657.3/22

+ sign -15.351 ± 0.105 χ^2/NDF : 10632.5/25

All: -15.018 ± 0.075 χ^2/NDF : 21000.2/50

- sign -14.680 ± 0.106 χ^2/NDF : 10347.5/24

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.801 ± 0.309 χ^2/NDF : 149.7/17

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.471 ± 0.305 χ^2/NDF : 171.9/20

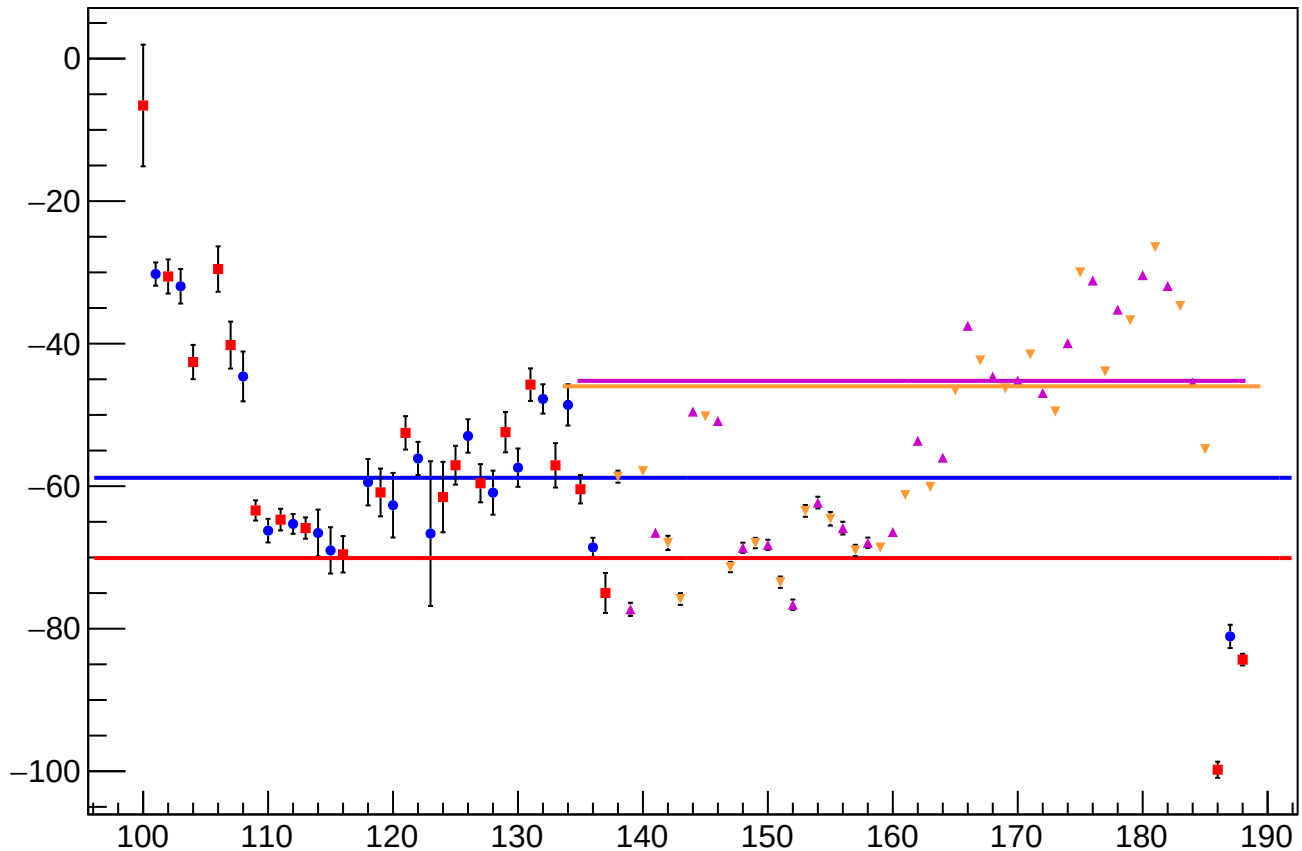
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.329 ± 0.082 χ^2/NDF : 5206.6/42

All: 6.280 ± 0.058 χ^2/NDF : 9416.0/86

- sign 6.231 ± 0.083 χ^2/NDF : 4208.7/43

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -58.823 ± 0.516 χ^2/NDF : 793.8/17

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -70.090 ± 0.417 χ^2/NDF : 2039.4/20

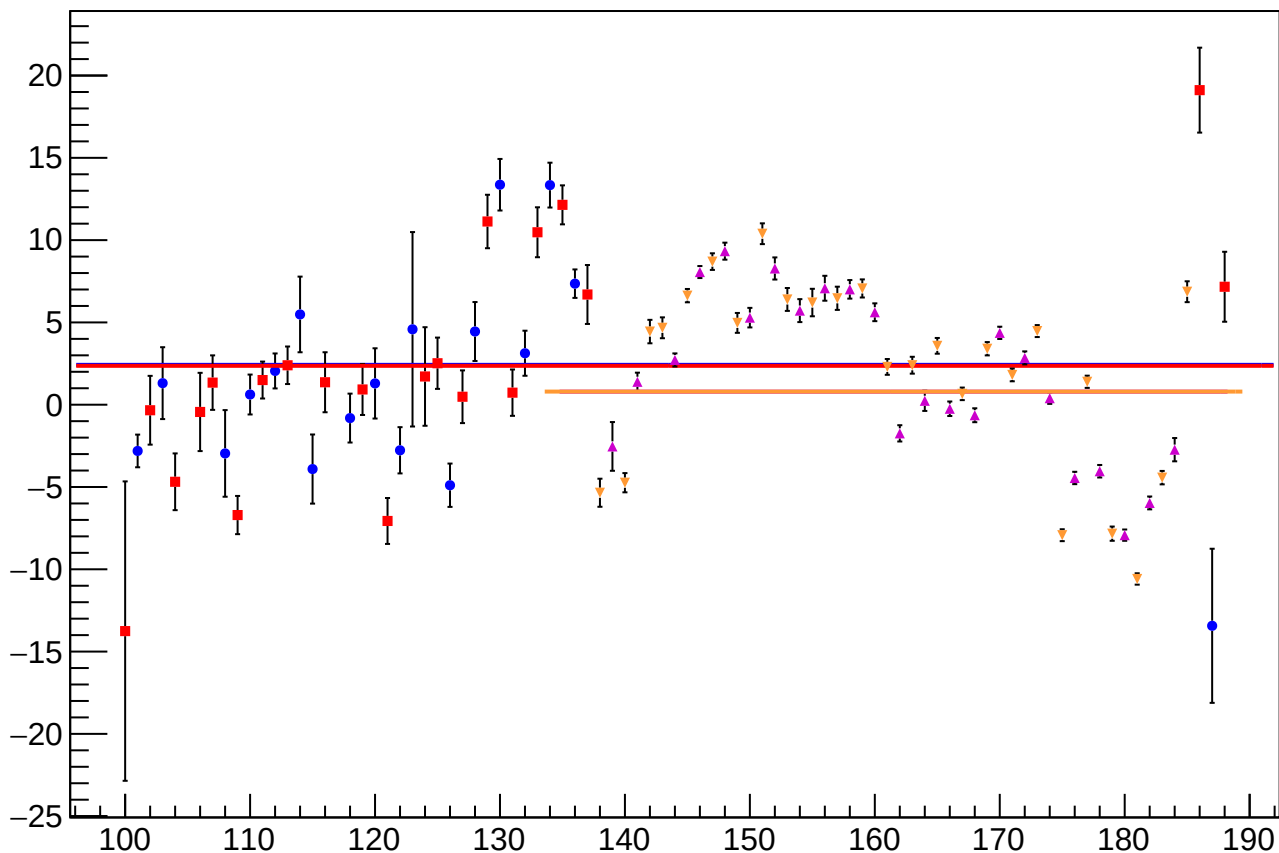
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.504 ± 0.104 χ^2/NDF : 18747.3/42

All: -46.633 ± 0.074 χ^2/NDF : 39724.5/86

- sign -46.763 ± 0.104 χ^2/NDF : 20974.1/43

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.421 $\pm$ 0.347 χ^2 /NDF: 253.8/17

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 2.363 $\pm$ 0.347 χ^2 /NDF: 313.4/20

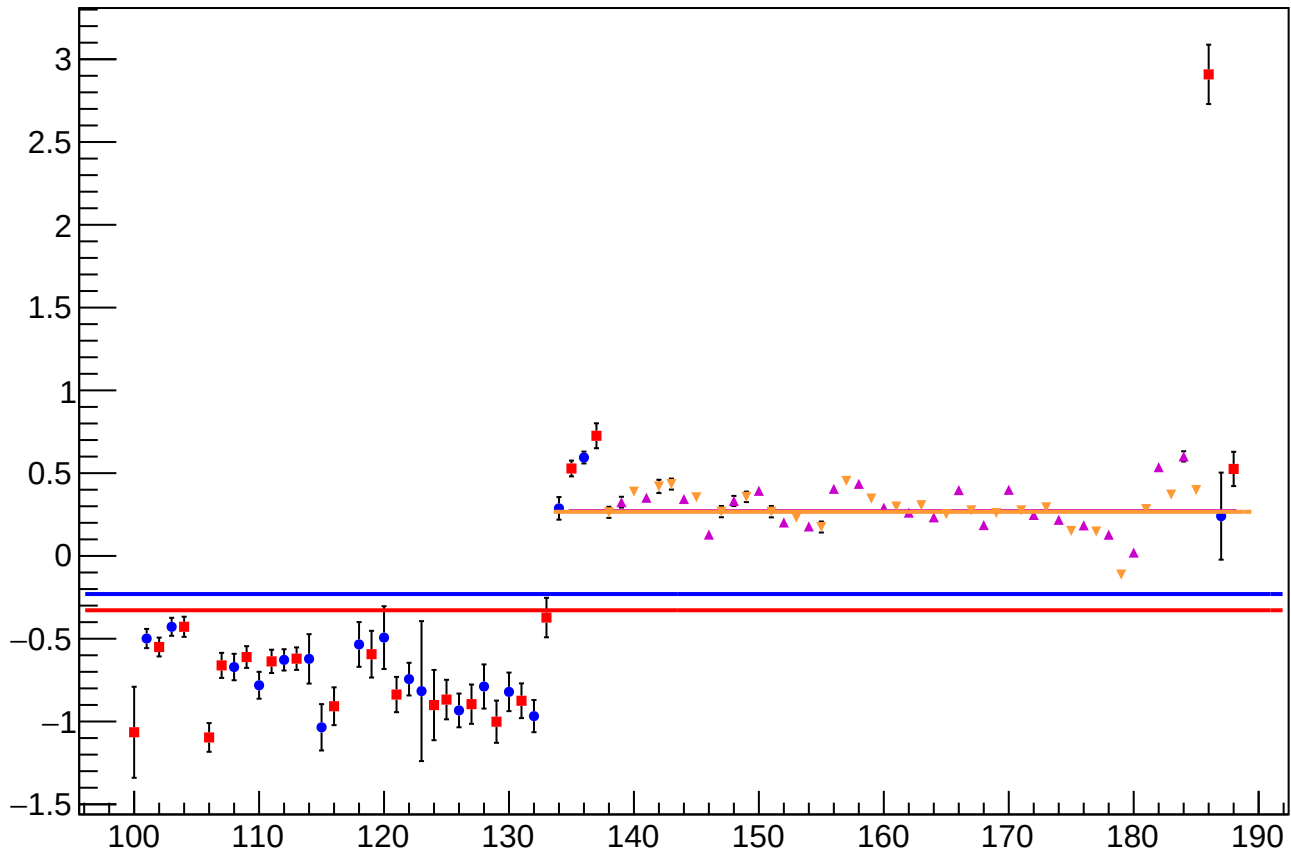
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.912 $\pm$ 0.092 χ^2 /NDF: 4034.1/42

All: 0.908 $\pm$ 0.065 χ^2 /NDF: 7059.0/86

- sign 0.905 $\pm$ 0.093 χ^2 /NDF: 3024.9/43

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.230 ± 0.019 $\chi^2/\text{NDF}: 960.2/17$

Left Out: 0.267 ± 0.004 $\chi^2/\text{NDF}: 699.8/24$

Right Out: -0.328 ± 0.019 $\chi^2/\text{NDF}: 1249.8/20$

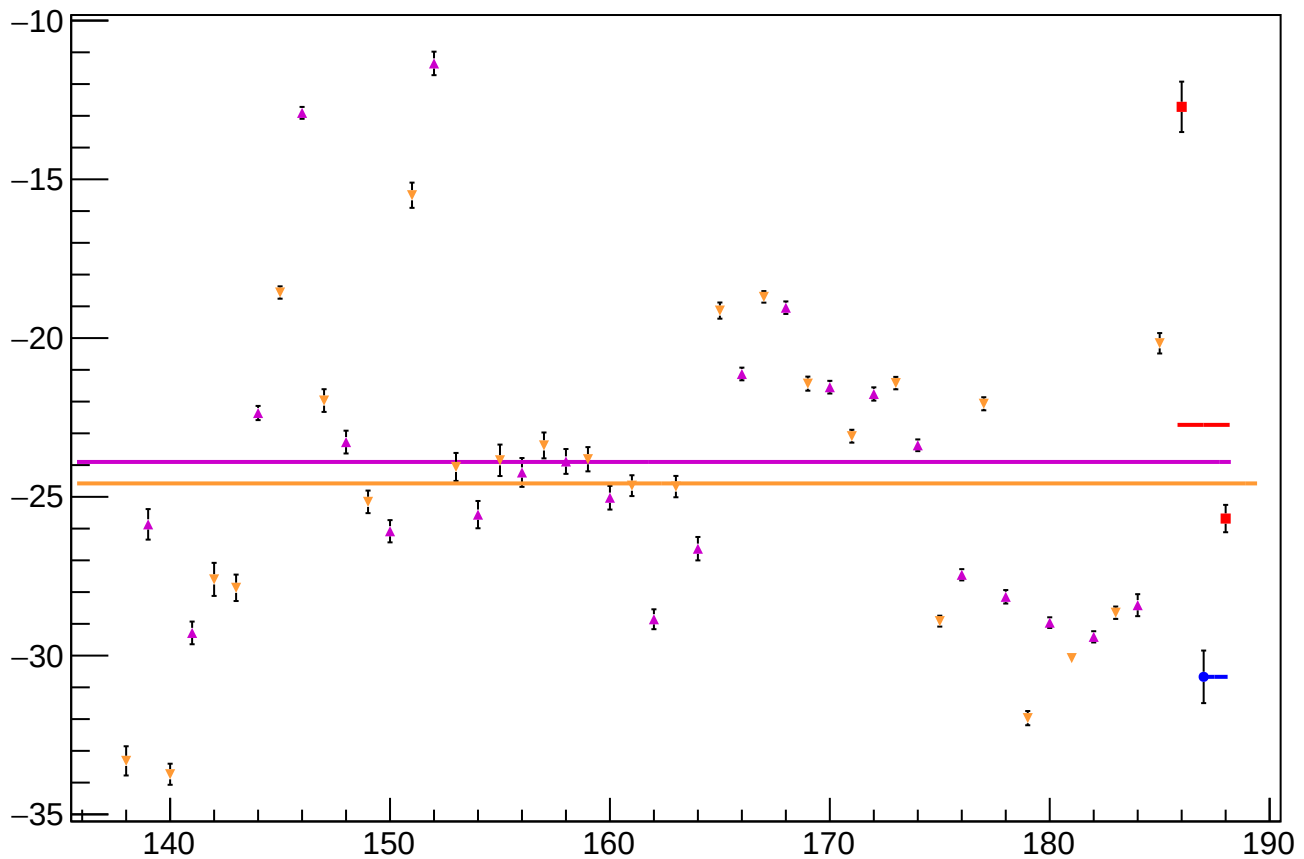
Left In: 0.270 ± 0.004 $\chi^2/\text{NDF}: 969.9/22$

+ sign 0.241 ± 0.004 $\chi^2/\text{NDF}: 2317.6/42$

All: 0.240 ± 0.003 $\chi^2/\text{NDF}: 5518.4/86$

- sign 0.238 ± 0.004 $\chi^2/\text{NDF}: 3200.5/43$

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.669 ± 0.828 χ^2/NDF : 0.0/0

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -22.733 ± 0.379 χ^2/NDF : 206.2/1

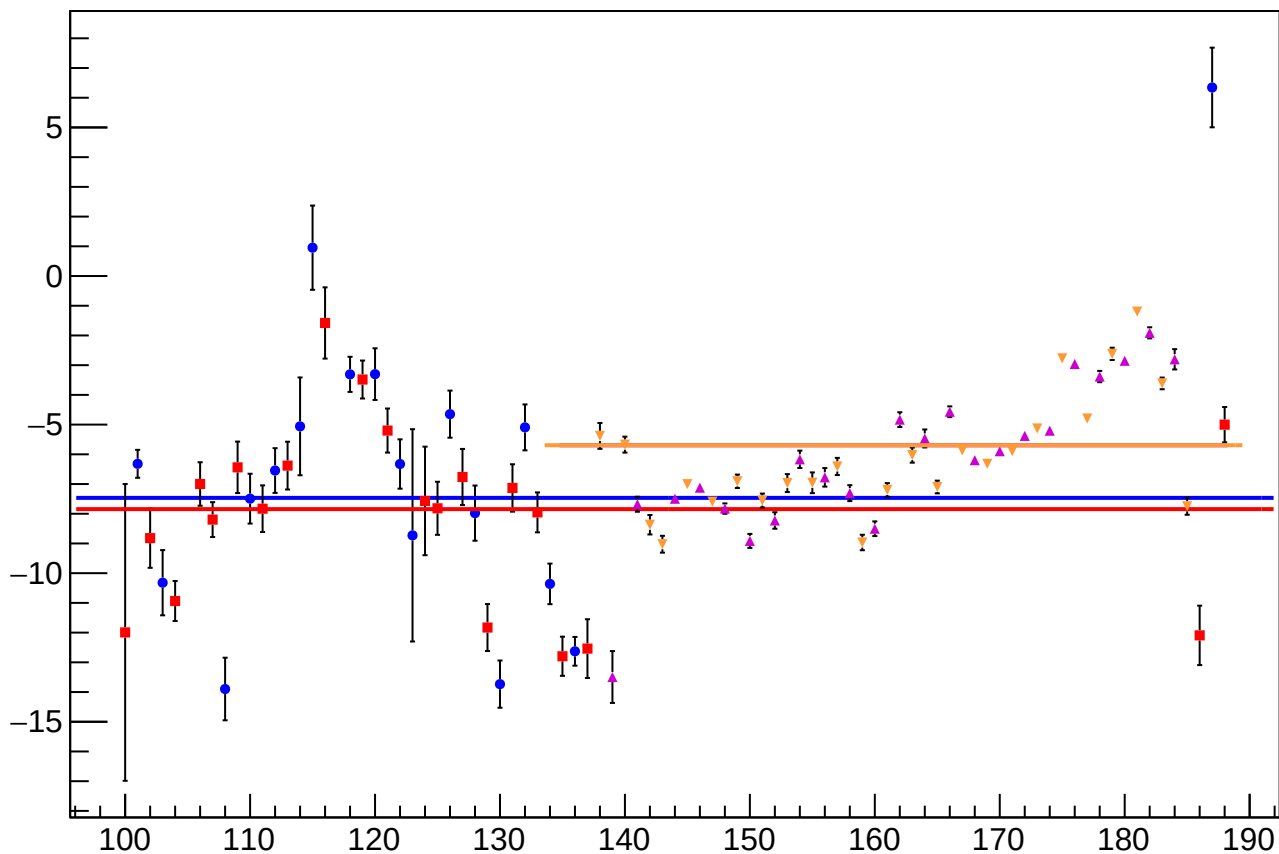
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.600 ± 0.051 χ^2/NDF : 8644.4/25

All: -24.239 ± 0.036 χ^2/NDF : 18115.5/50

- sign -23.880 ± 0.051 χ^2/NDF : 9370.4/24

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.466 ± 0.186 χ^2/NDF : 486.4/17

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.844 ± 0.175 χ^2/NDF : 264.5/20

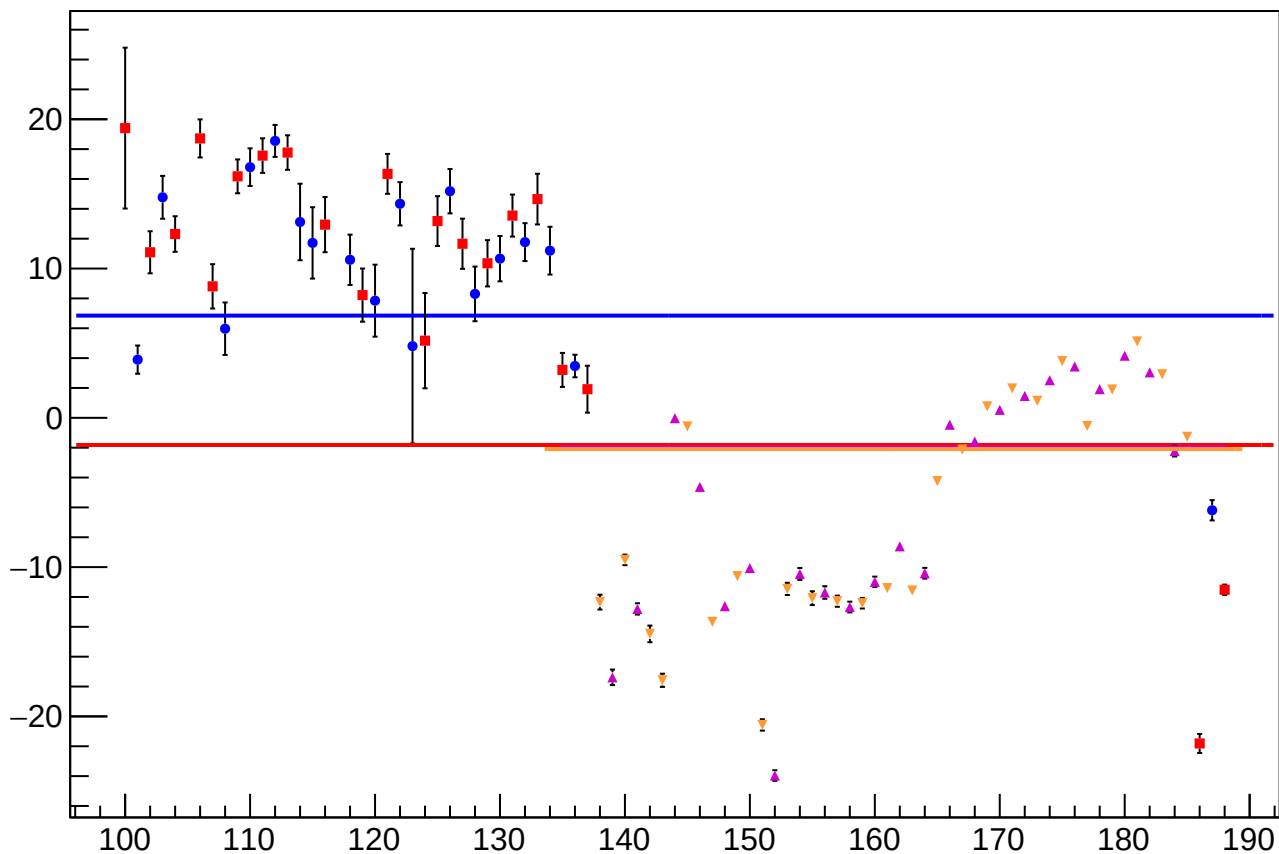
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.777 ± 0.040 χ^2/NDF : 2831.5/42

All: -5.792 ± 0.028 χ^2/NDF : 5549.2/86

- sign -5.807 ± 0.040 χ^2/NDF : 2717.4/43

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 6.848 ± 0.303 χ^2/NDF : 712.1/17

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -1.820 ± 0.225 χ^2/NDF : 3870.0/20

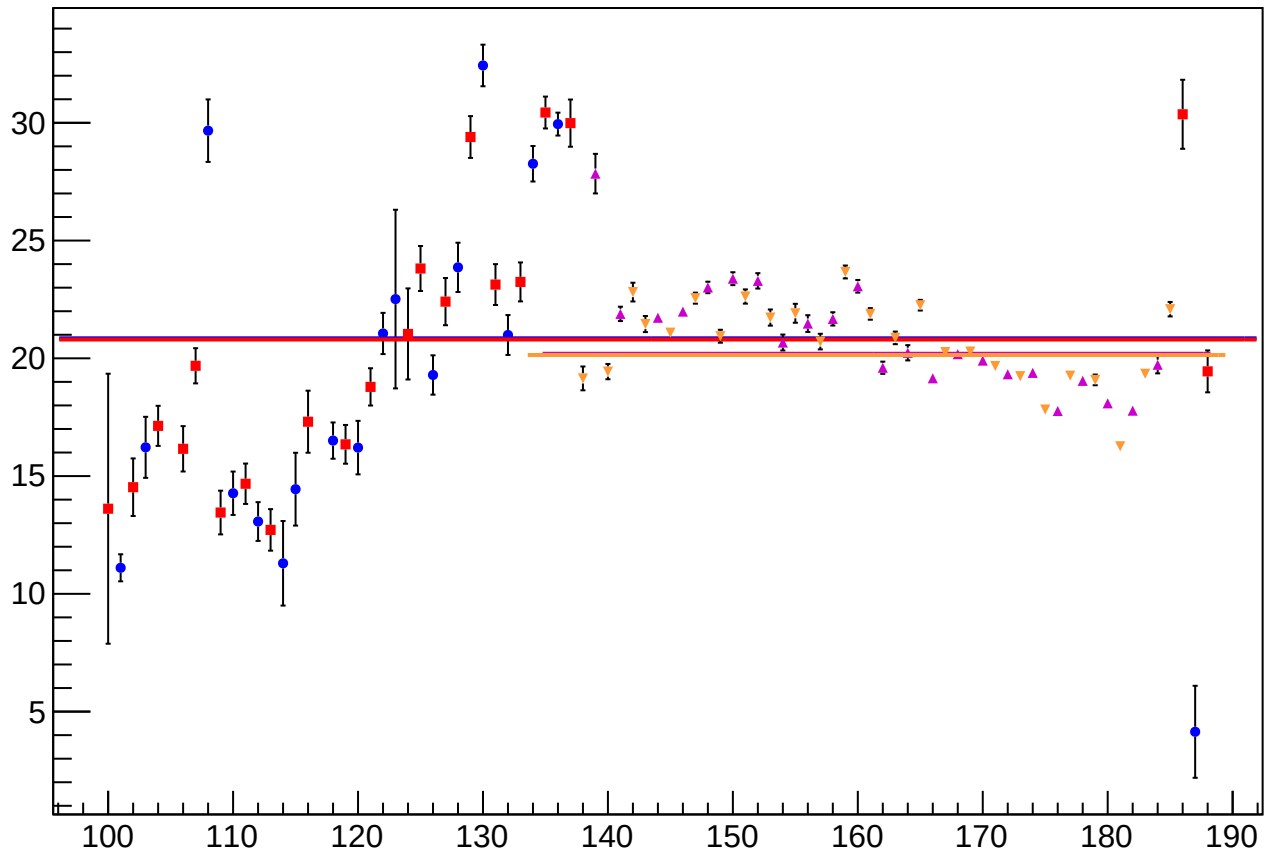
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -1.842 ± 0.051 χ^2/NDF : 17863.2/42

All: -1.908 ± 0.036 χ^2/NDF : 37119.4/86

- sign -1.972 ± 0.050 χ^2/NDF : 19252.8/43

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.849 $\pm$ 0.210 χ^2 /NDF: 1283.4/17

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.798 $\pm$ 0.205 χ^2 /NDF: 766.9/20

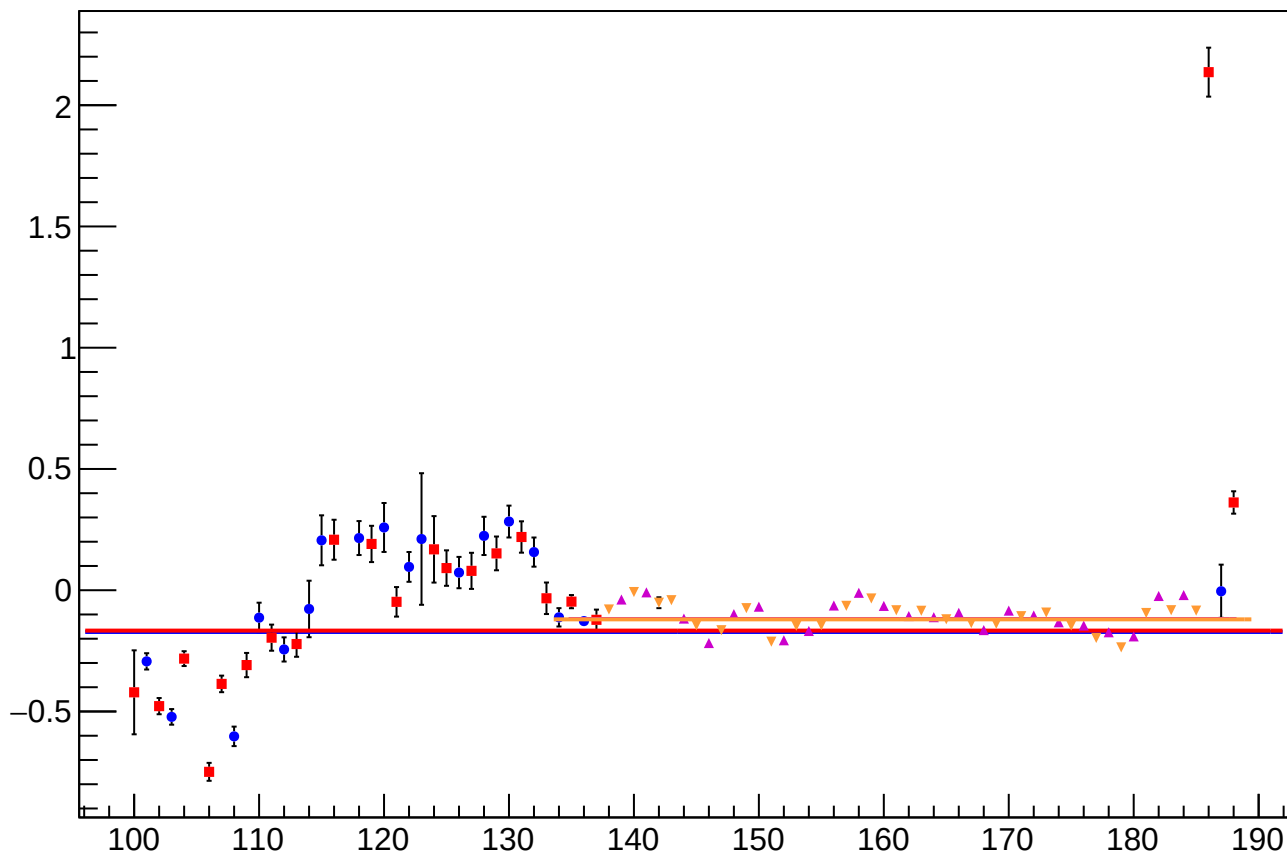
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.173 $\pm$ 0.045 χ^2 /NDF: 2713.4/42

All: 20.198 $\pm$ 0.032 χ^2 /NDF: 4936.5/86

- sign 20.223 $\pm$ 0.045 χ^2 /NDF: 2222.5/43

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.172 ± 0.011 χ^2/NDF : 460.6/17

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.167 ± 0.011 χ^2/NDF : 1211.4/20

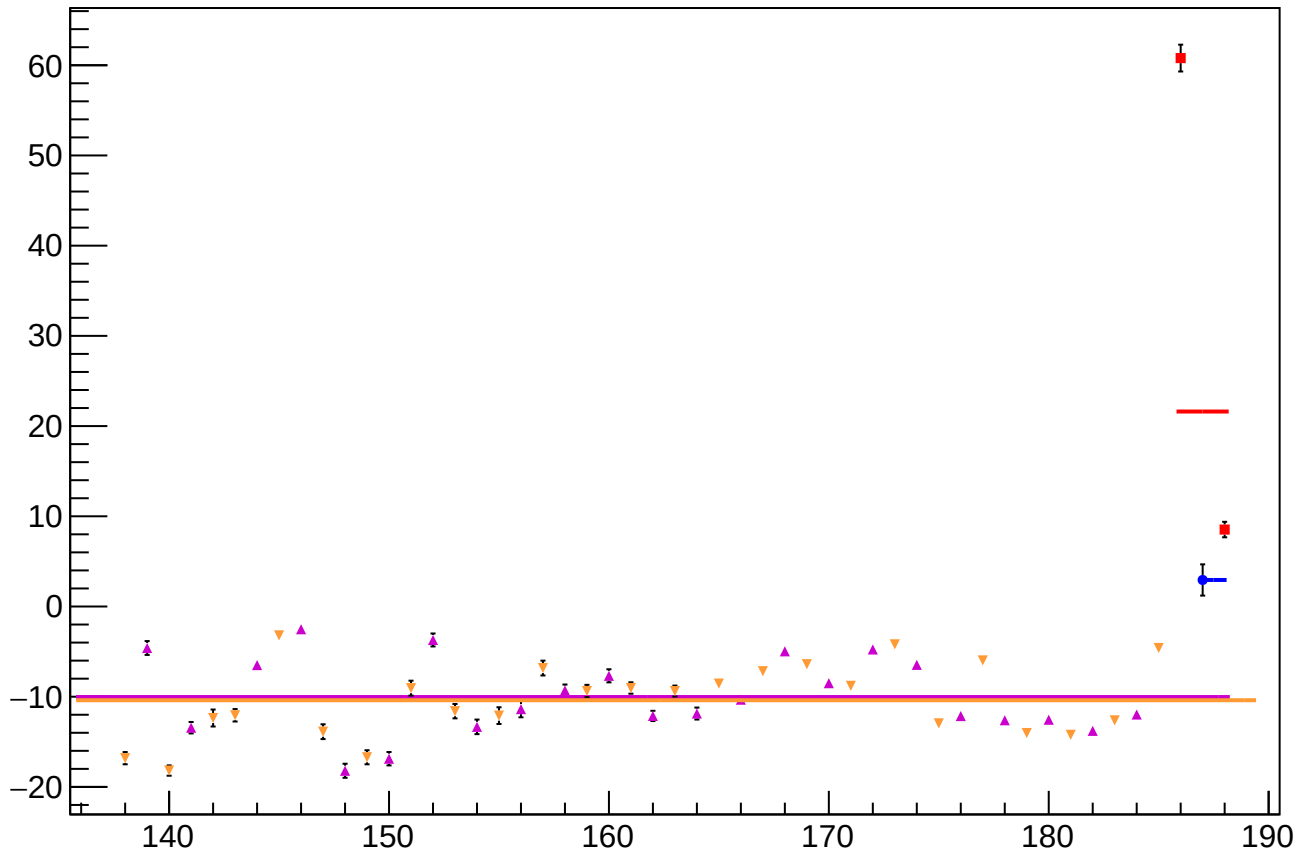
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.122 ± 0.002 χ^2/NDF : 1012.0/42

All: -0.121 ± 0.001 χ^2/NDF : 2964.9/86

- sign -0.120 ± 0.002 χ^2/NDF : 1952.7/43

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: 2.941 ± 1.732 χ^2/NDF : 0.0/0

Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24

Right Out: 21.613 ± 0.744 χ^2/NDF : 926.6/1

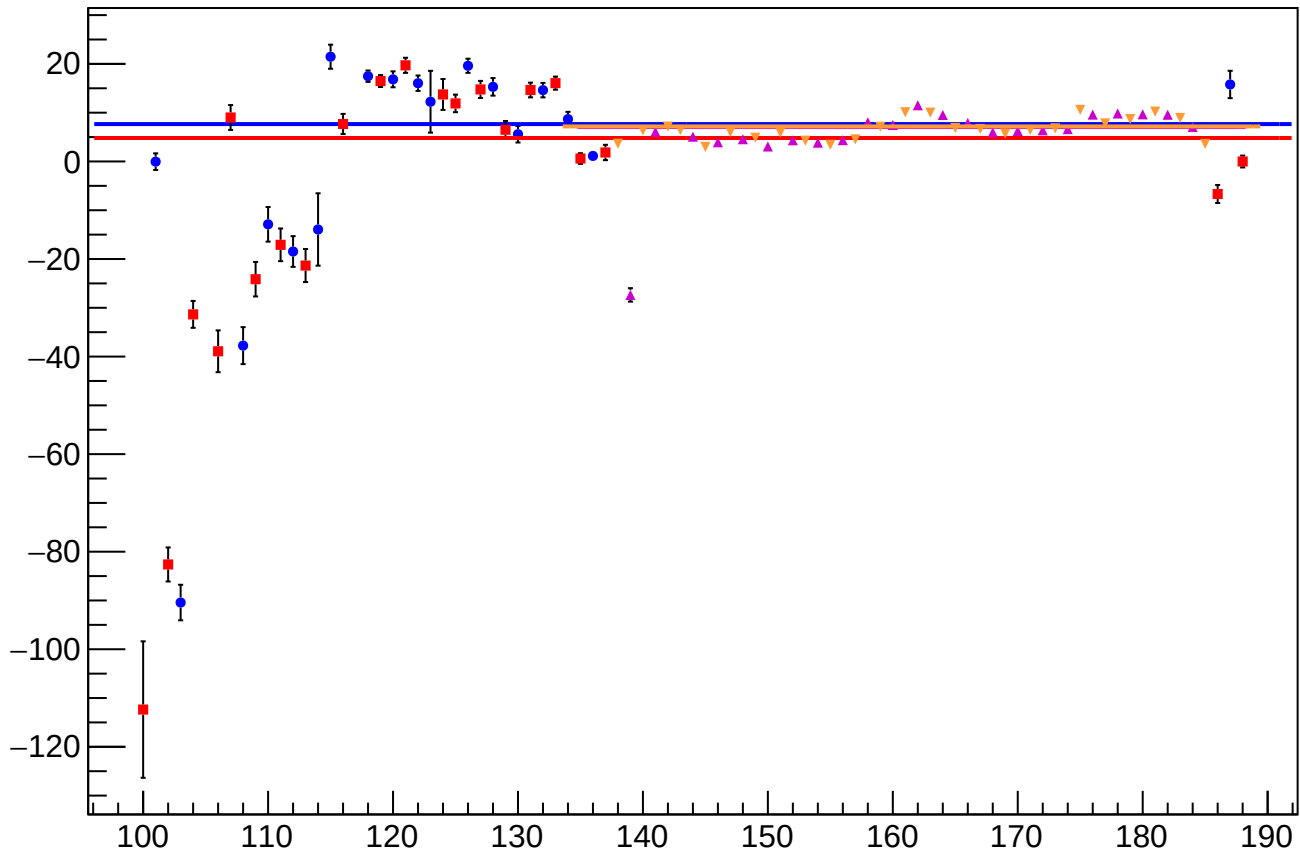
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.357 ± 0.088 χ^2/NDF : 2170.7/25

All: -9.975 ± 0.062 χ^2/NDF : 6678.9/50

- sign -9.584 ± 0.089 χ^2/NDF : 4469.9/24

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.660 ± 0.403 $\chi^2/\text{NDF}: 1349.1/17$

Left Out: 7.184 ± 0.073 $\chi^2/\text{NDF}: 917.3/24$

Right Out: 4.810 ± 0.400 $\chi^2/\text{NDF}: 1574.4/20$

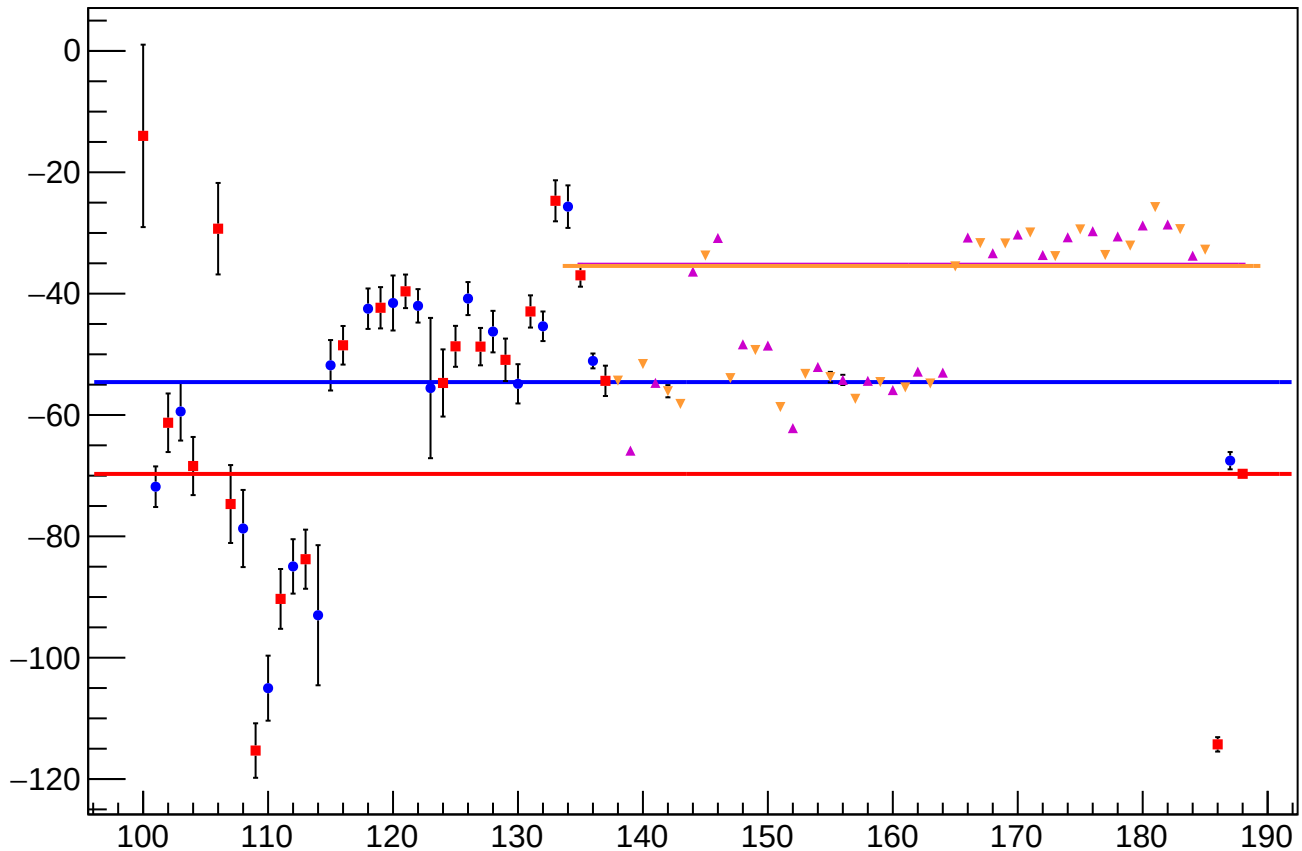
Left In: 7.053 ± 0.074 $\chi^2/\text{NDF}: 1535.8/22$

+ sign 7.199 ± 0.072 $\chi^2/\text{NDF}: 2267.8/42$

All: 7.090 ± 0.051 $\chi^2/\text{NDF}: 5413.1/86$

- sign 6.978 ± 0.073 $\chi^2/\text{NDF}: 3140.6/43$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -54.576 ± 0.658 χ^2/NDF : 434.9/17

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -69.711 ± 0.479 χ^2/NDF : 2553.1/20

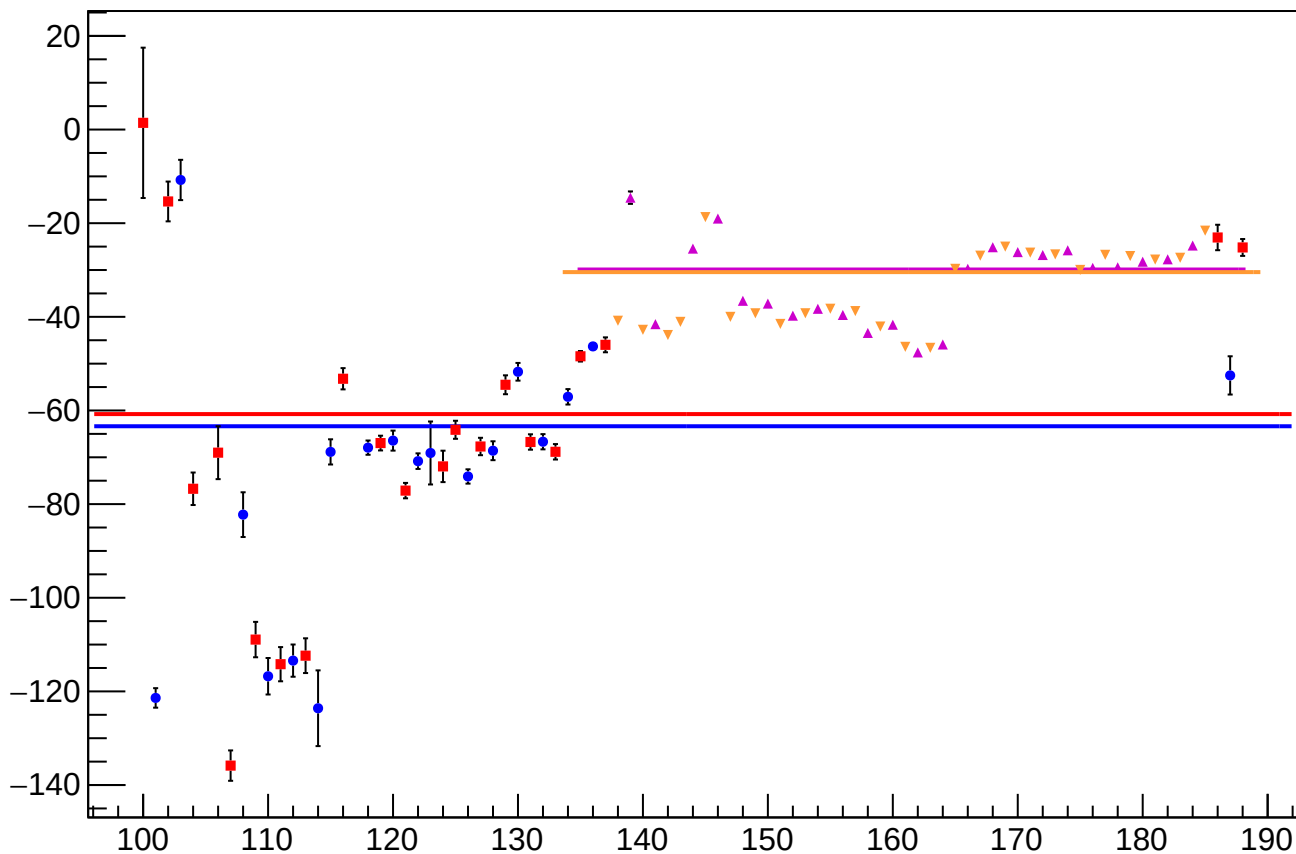
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.778 ± 0.088 χ^2/NDF : 14049.1/42

All: -36.091 ± 0.062 χ^2/NDF : 33233.4/86

- sign -36.407 ± 0.089 χ^2/NDF : 19159.0/43

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.370 ± 0.447 χ^2/NDF : 2013.4/17

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -60.772 ± 0.461 χ^2/NDF : 2247.4/20

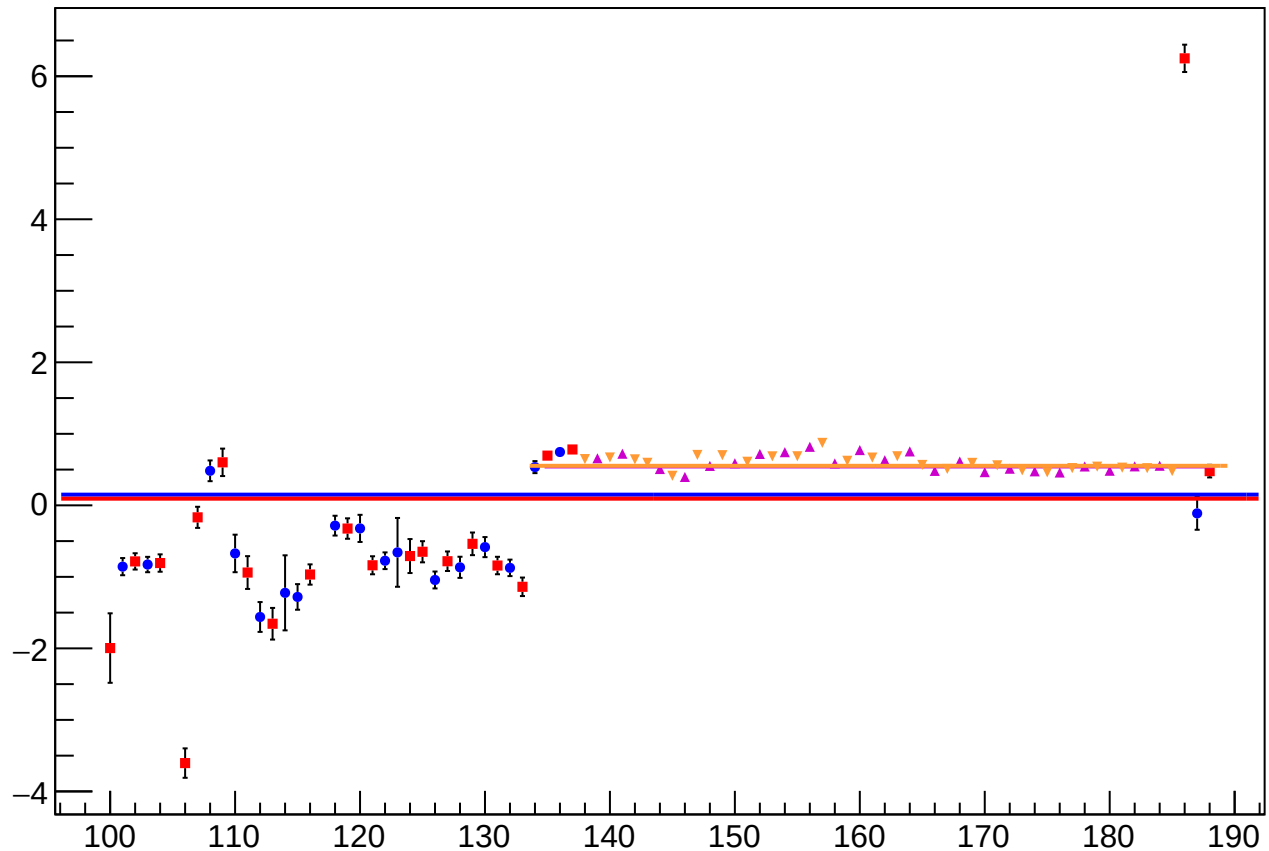
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.510 ± 0.080 χ^2/NDF : 15441.6/42

All: -31.186 ± 0.057 χ^2/NDF : 29193.0/86

- sign -30.854 ± 0.081 χ^2/NDF : 13718.4/43

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.149 $\pm$ 0.024 χ^2 /NDF: 988.7/17

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF: 542.1/24

Right Out: 0.093 $\pm$ 0.025 χ^2 /NDF: 2249.6/20

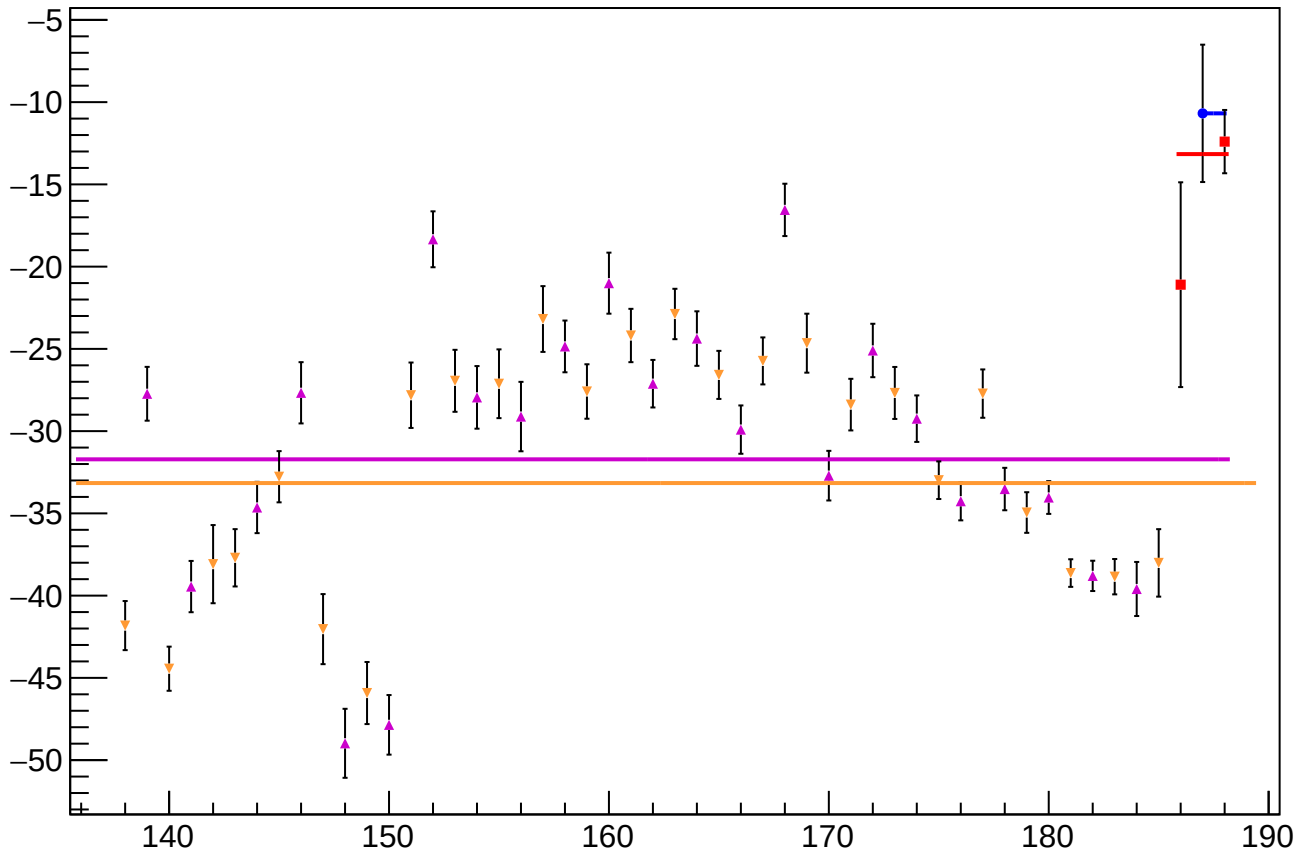
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF: 655.9/22

+ sign 0.543 $\pm$ 0.004 χ^2 /NDF: 1808.5/42

All: 0.539 $\pm$ 0.003 χ^2 /NDF: 5034.7/86

- sign 0.534 $\pm$ 0.004 χ^2 /NDF: 3222.7/43

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -10.682 ± 4.176 χ^2/NDF : 0.0/0

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -13.158 ± 1.838 χ^2/NDF : 1.8/1

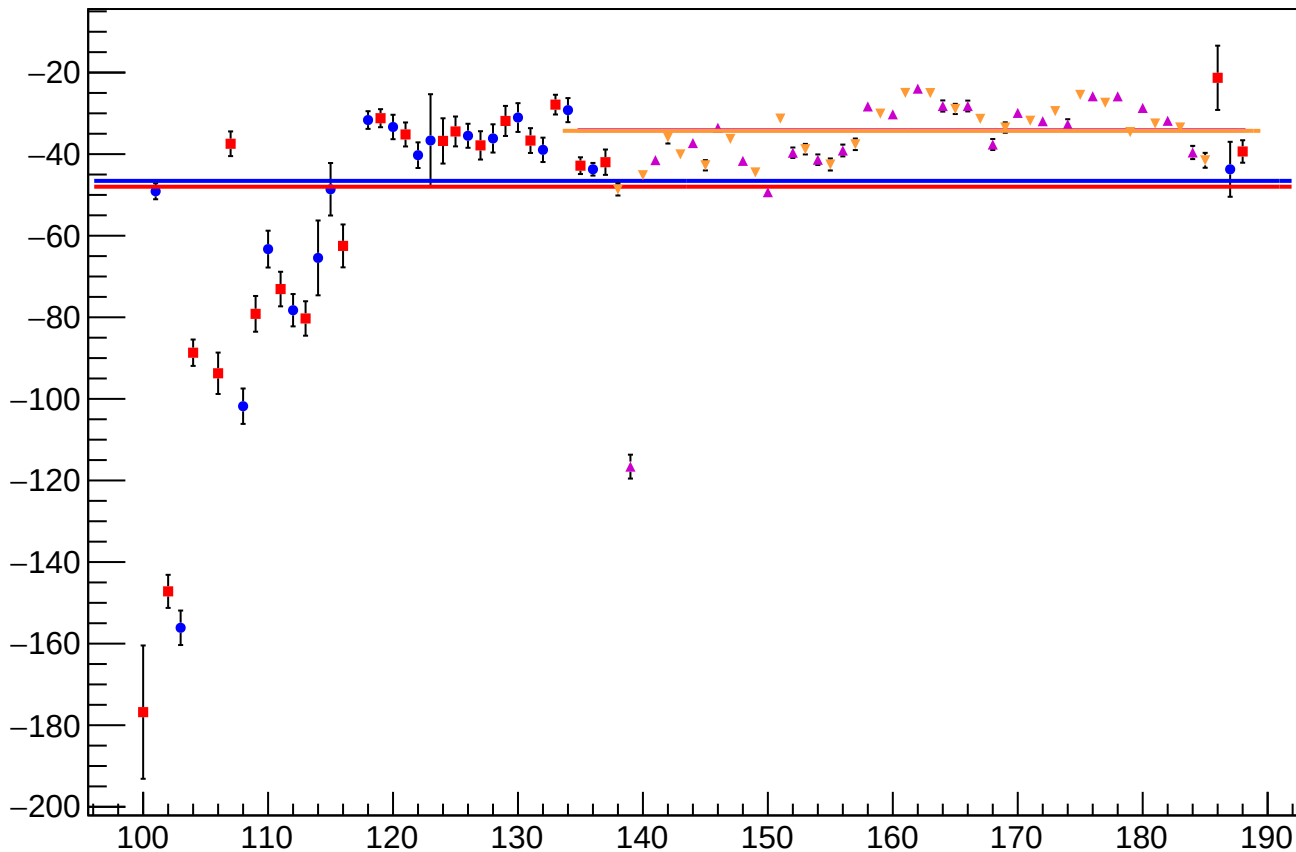
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -33.041 ± 0.299 χ^2/NDF : 528.9/25

All: -32.139 ± 0.214 χ^2/NDF : 1190.6/50

- sign -31.205 ± 0.305 χ^2/NDF : 643.2/24

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.554 ± 0.726 $\chi^2/\text{NDF}: 1076.2/17$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -47.987 ± 0.733 $\chi^2/\text{NDF}: 1300.4/20$

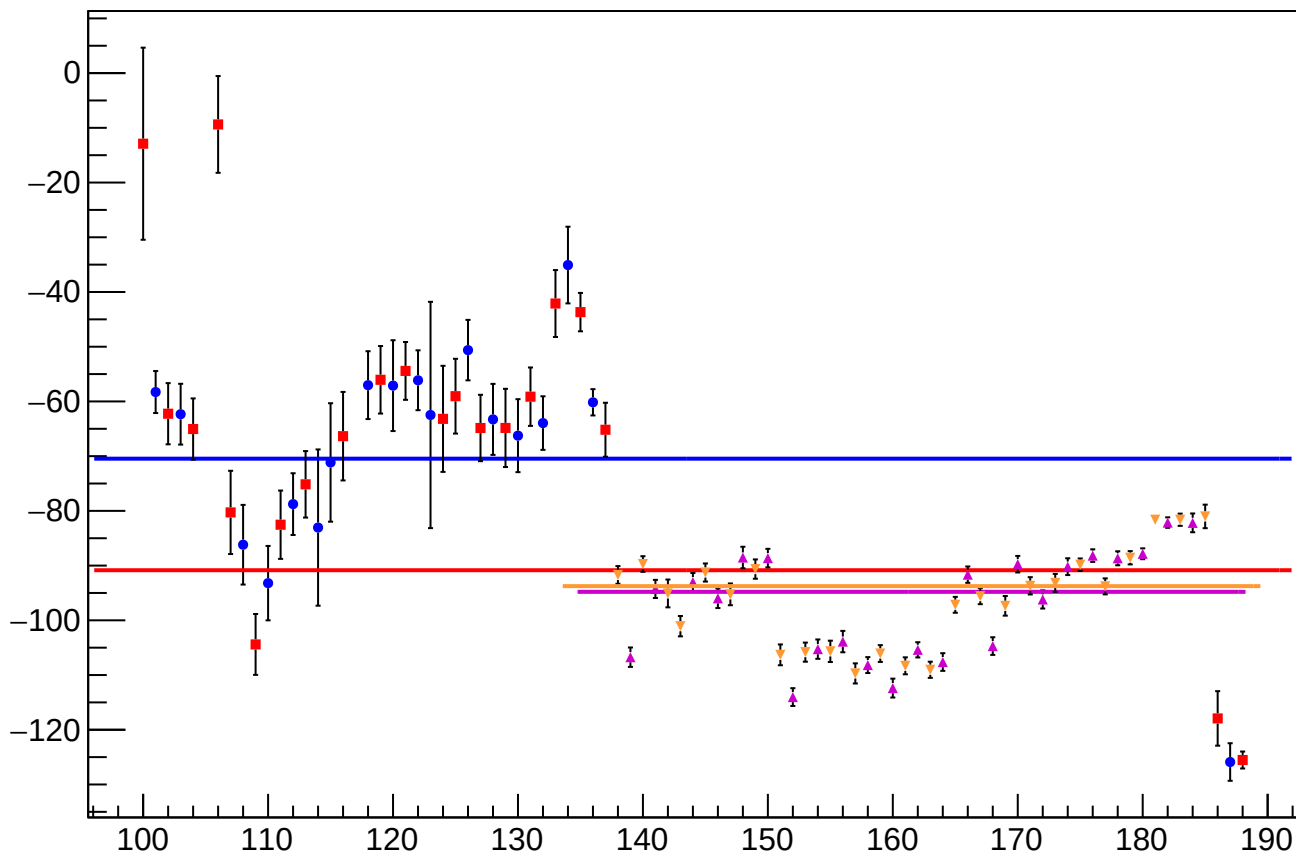
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -35.508 ± 0.229 $\chi^2/\text{NDF}: 2028.4/42$

All: -35.550 ± 0.165 $\chi^2/\text{NDF}: 5100.4/86$

- sign -35.594 ± 0.237 $\chi^2/\text{NDF}: 3071.9/43$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -70.461 ± 1.230 $\chi^2/\text{NDF}: 366.4/17$

Left Out: -93.754 ± 0.302 $\chi^2/\text{NDF}: 883.1/24$

Right Out: -90.847 ± 1.011 $\chi^2/\text{NDF}: 1154.8/20$

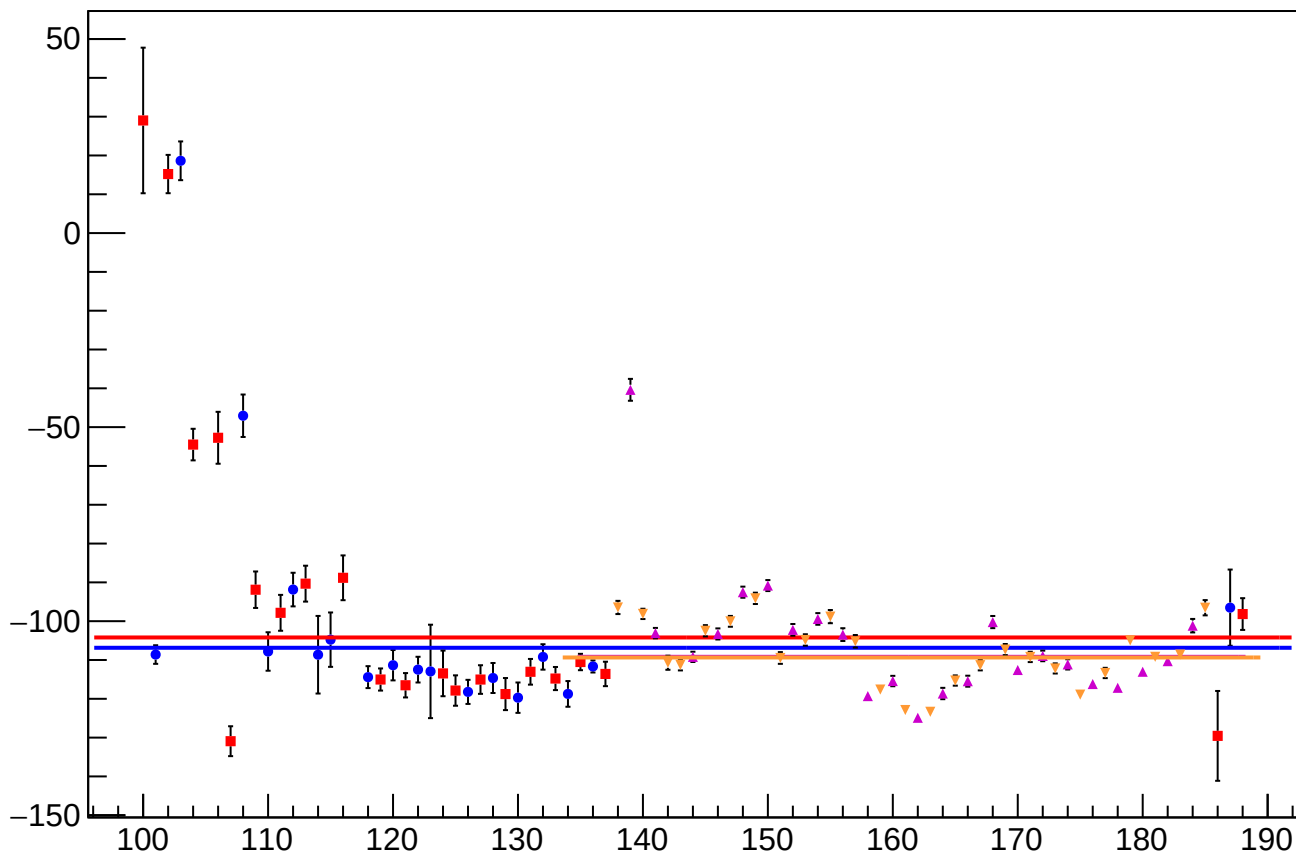
Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

+ sign -92.431 ± 0.293 $\chi^2/\text{NDF}: 1588.0/42$

All: -93.439 ± 0.208 $\chi^2/\text{NDF}: 3755.2/86$

- sign -94.460 ± 0.295 $\chi^2/\text{NDF}: 2143.4/43$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.854 ± 0.815 χ^2/NDF : 827.8/17

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -104.197 ± 0.842 χ^2/NDF : 1027.5/20

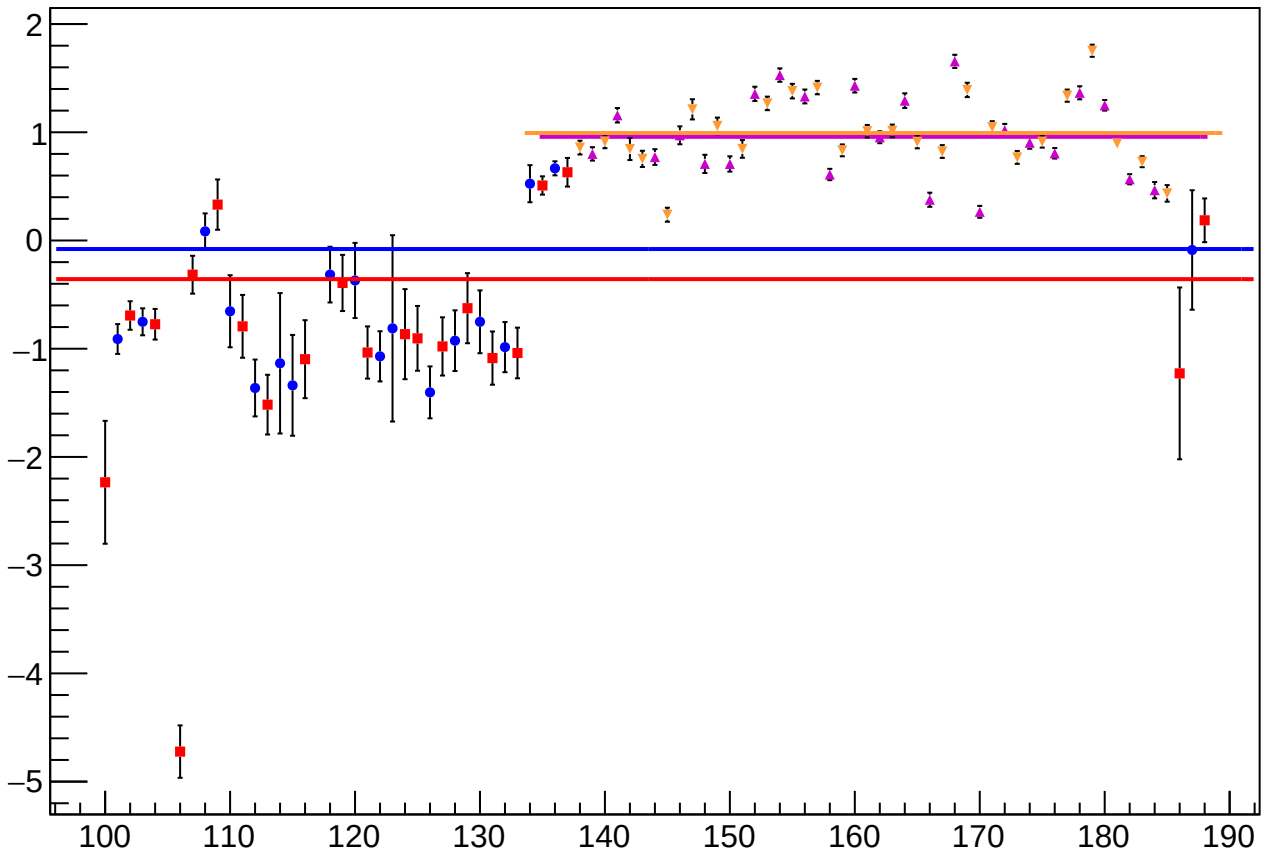
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -109.103 ± 0.257 χ^2/NDF : 1663.1/42

All: -108.902 ± 0.185 χ^2/NDF : 4224.6/86

- sign -108.688 ± 0.266 χ^2/NDF : 2560.2/43

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.6/17

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.357 ± 0.043 χ^2/NDF : 588.9/20

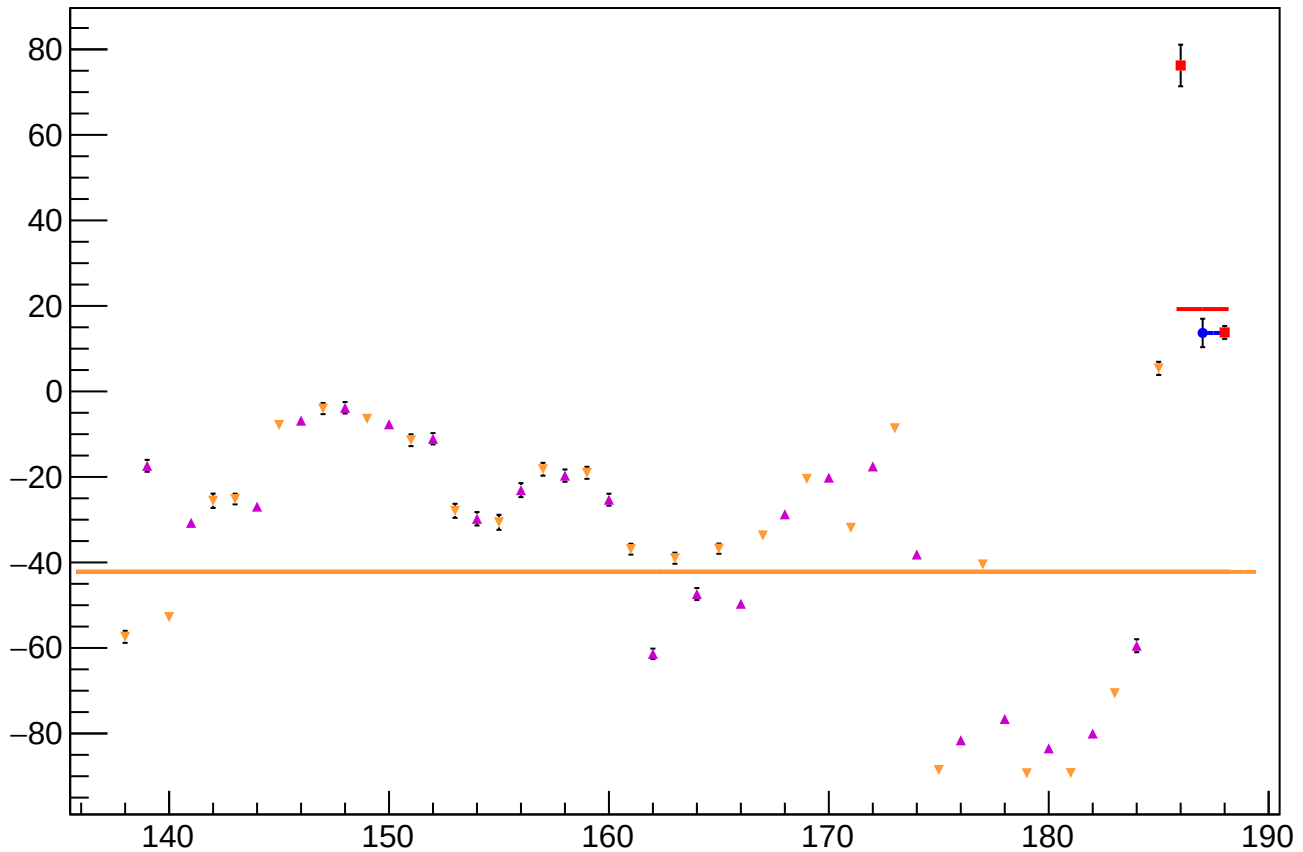
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.908 ± 0.012 χ^2/NDF : 1561.8/42

All: 0.881 ± 0.009 χ^2/NDF : 3917.1/86

- sign 0.853 ± 0.012 χ^2/NDF : 2345.0/43

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: 13.675+/-3.323 χ^2/NDF : 0.0/0

Left Out: -42.213+/-0.222 χ^2/NDF : 18309.1/24

Right Out: 19.259+/-1.440 χ^2/NDF : 150.2/1

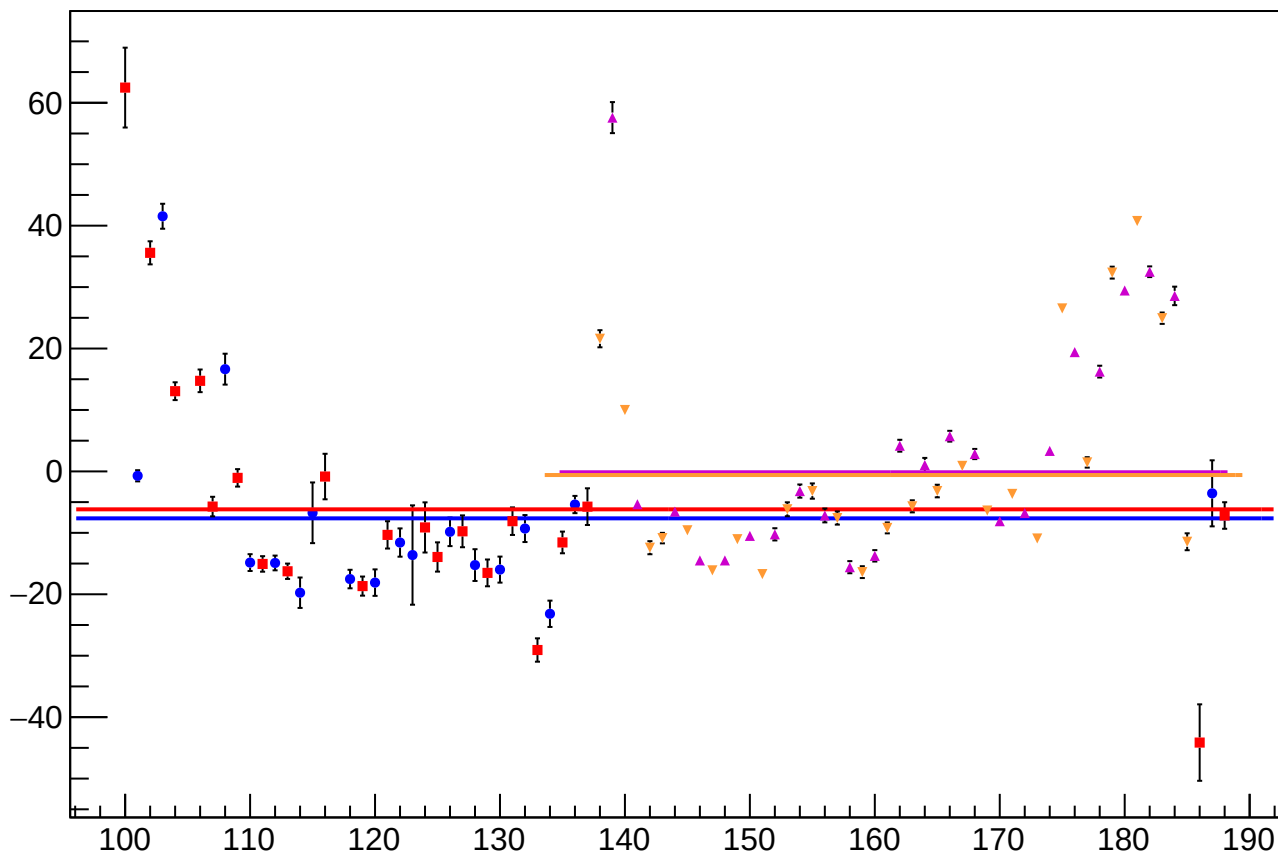
Left In: -42.176+/-0.227 χ^2/NDF : 14575.9/22

+ sign -41.964+/-0.222 χ^2/NDF : 18590.7/25

All: -41.333+/-0.158 χ^2/NDF : 35108.8/50

- sign -40.686+/-0.224 χ^2/NDF : 16501.6/24

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.642 ± 0.429 χ^2/NDF : 976.5/17

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: -6.174 ± 0.420 χ^2/NDF : 1336.2/20

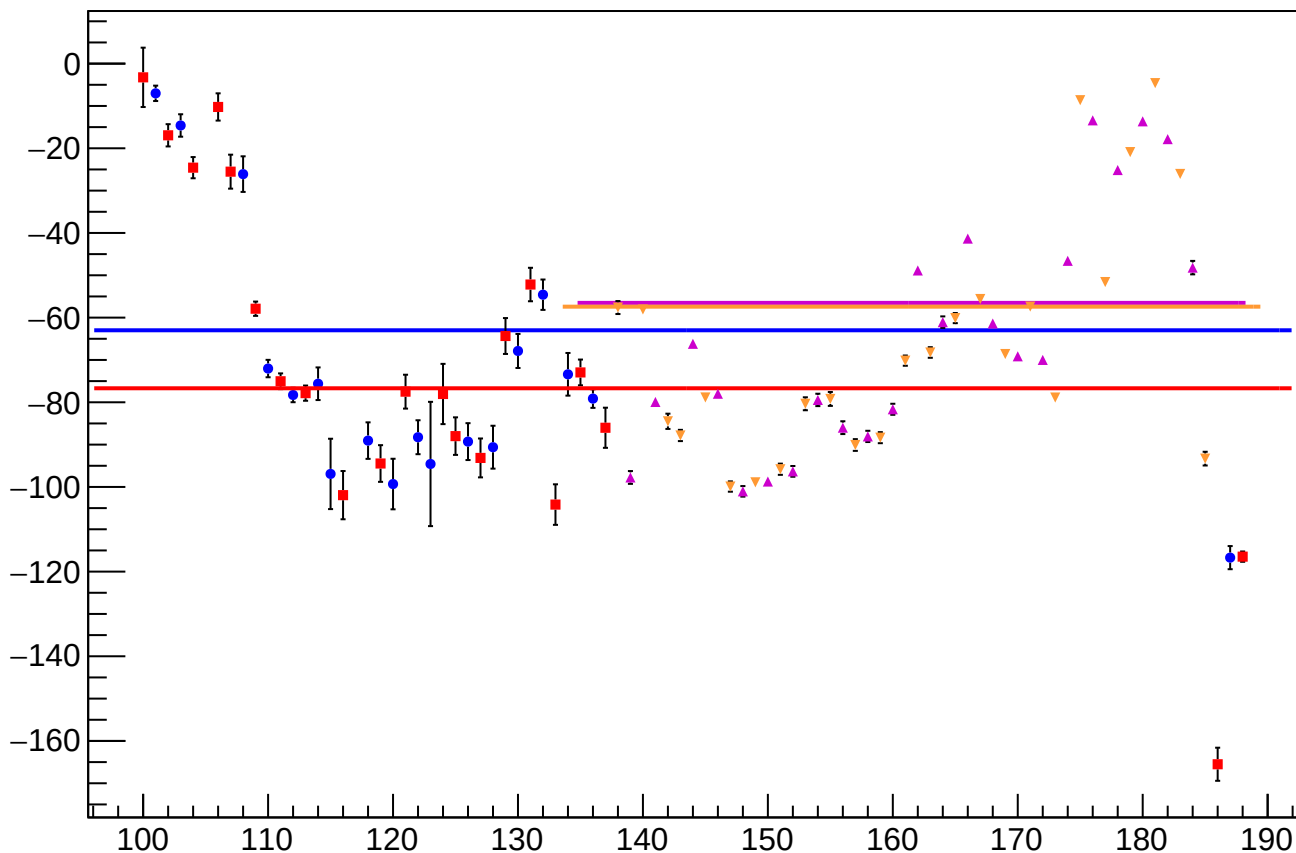
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -1.587 ± 0.161 χ^2/NDF : 9959.0/42

All: -1.334 ± 0.115 χ^2/NDF : 18337.1/86

- sign -1.070 ± 0.165 χ^2/NDF : 8373.1/43

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -62.992 ± 0.721 χ^2/NDF : 2123.0/17

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -76.693 ± 0.603 χ^2/NDF : 3495.3/20

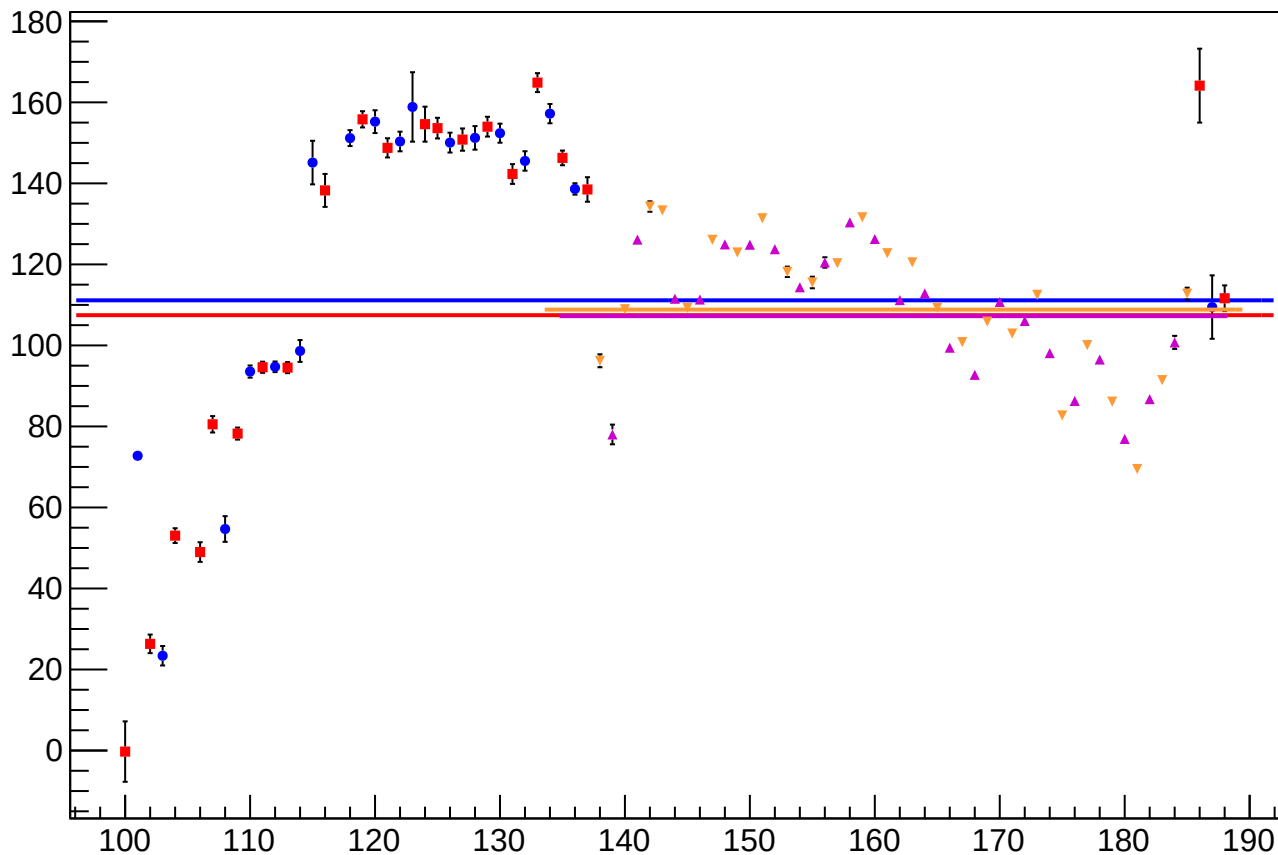
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -57.902 ± 0.213 χ^2/NDF : 20781.7/42

All: -58.465 ± 0.151 χ^2/NDF : 41624.1/86

- sign -59.025 ± 0.212 χ^2/NDF : 20828.4/43

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.133 $\pm$ 0.489 χ^2 /NDF: 5863.6/17

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 107.463 $\pm$ 0.482 χ^2 /NDF: 7083.5/20

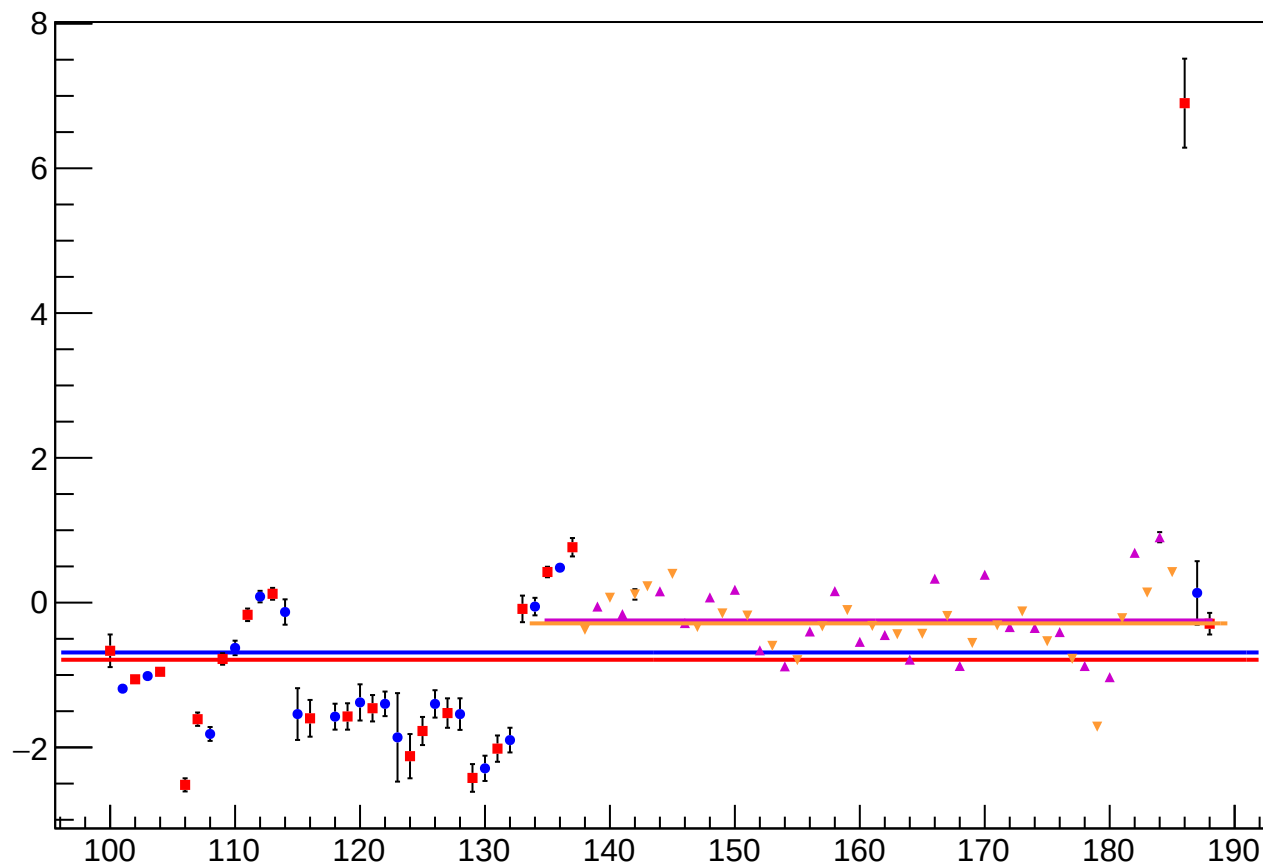
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 109.166 $\pm$ 0.183 χ^2 /NDF: 13282.7/42

All: 108.232 $\pm$ 0.131 χ^2 /NDF: 25984.8/86

- sign 107.260 $\pm$ 0.187 χ^2 /NDF: 12649.0/43

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.689 ± 0.026 χ^2/NDF : 992.4/17

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.789 ± 0.024 χ^2/NDF : 1471.2/20

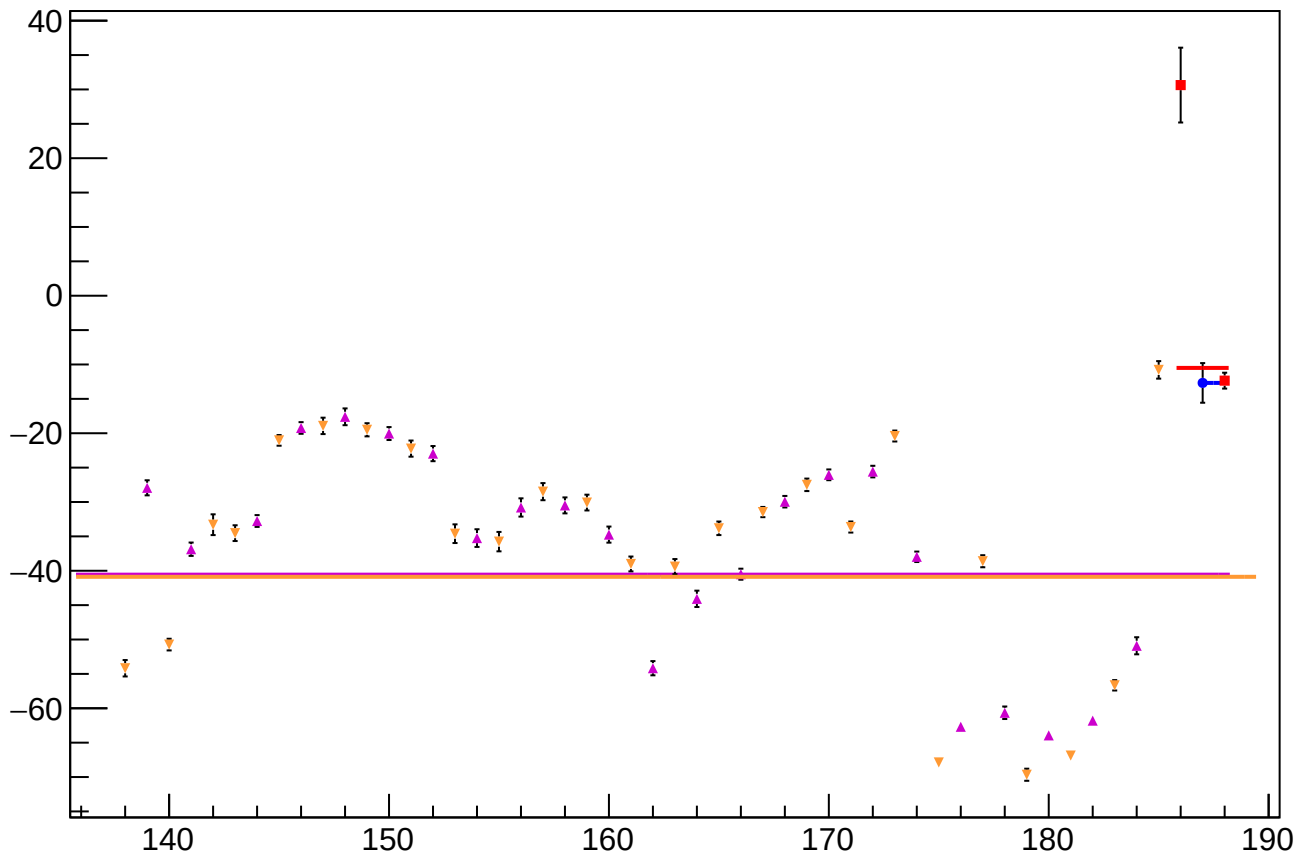
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.331 ± 0.009 χ^2/NDF : 3261.0/42

All: -0.324 ± 0.006 χ^2/NDF : 7970.4/86

- sign -0.317 ± 0.009 χ^2/NDF : 4708.0/43

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -12.681 ± 2.883 χ^2/NDF : 0.0/0

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -10.498 ± 1.130 χ^2/NDF : 59.7/1

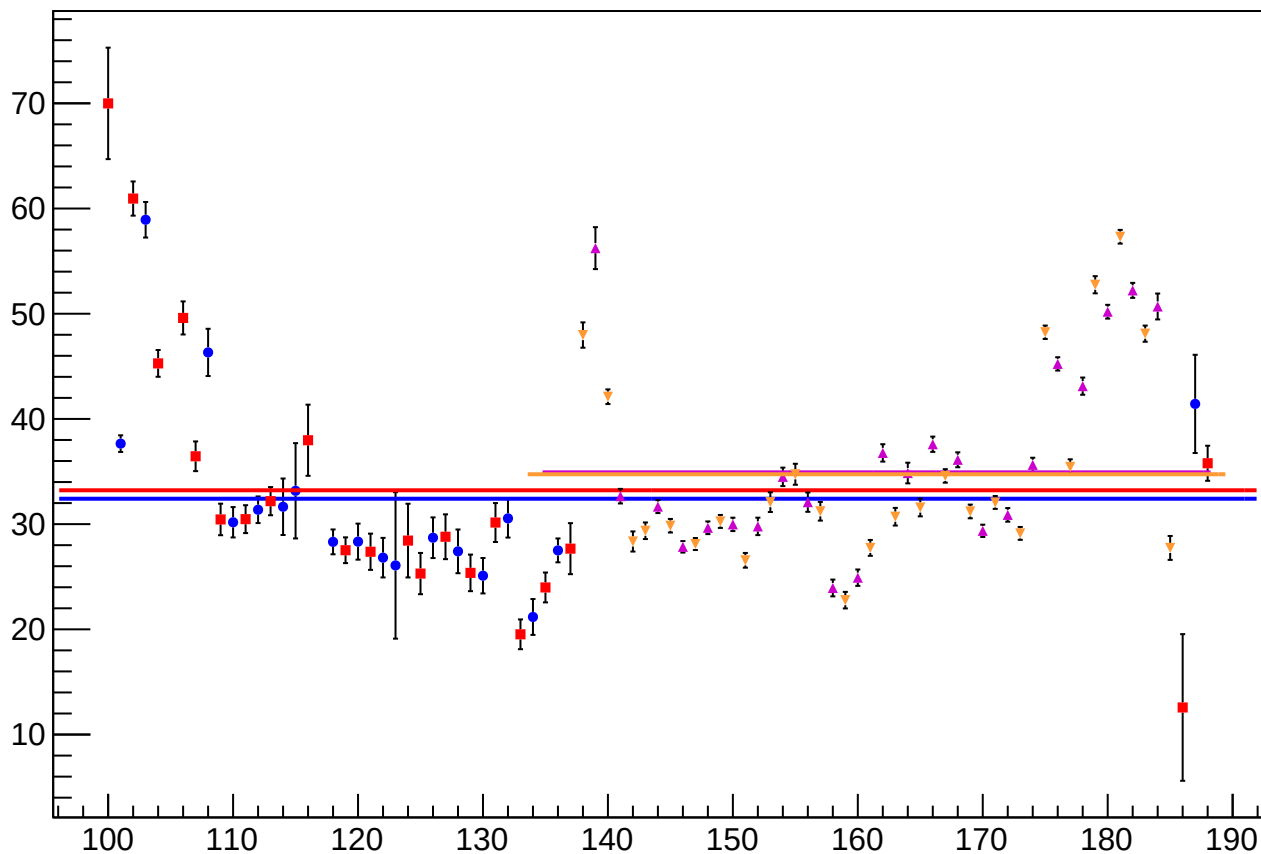
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.763 ± 0.186 χ^2/NDF : 9218.5/25

All: -40.256 ± 0.132 χ^2/NDF : 16936.8/50

- sign -39.741 ± 0.187 χ^2/NDF : 7703.3/24

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.415 ± 0.375 $\chi^2/\text{NDF}: 454.3/17$

Left Out: 34.741 ± 0.147 $\chi^2/\text{NDF}: 3693.2/24$

Right Out: 33.218 ± 0.369 $\chi^2/\text{NDF}: 784.5/20$

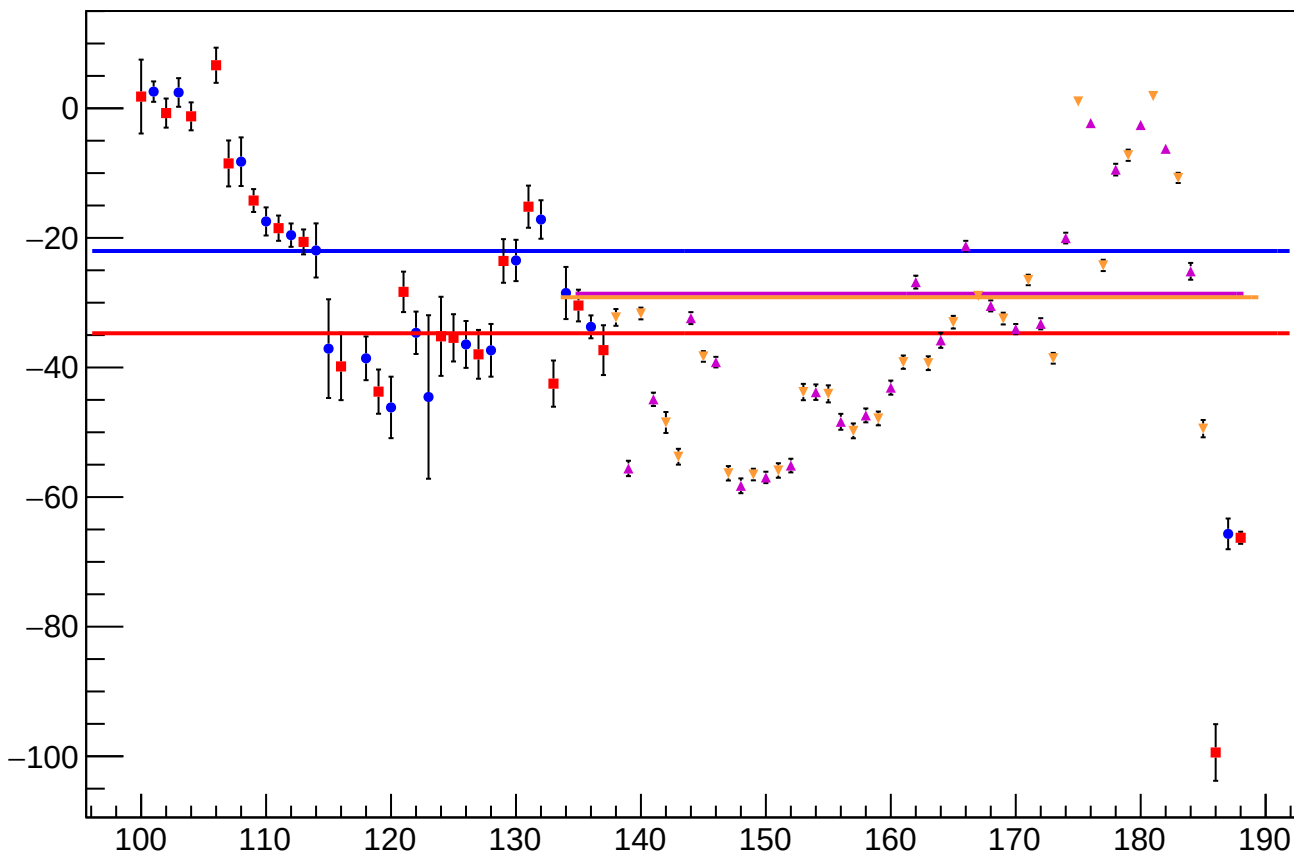
Left In: 34.922 ± 0.152 $\chi^2/\text{NDF}: 2672.9/22$

+ sign 34.429 ± 0.137 $\chi^2/\text{NDF}: 4180.8/42$

All: 34.550 ± 0.098 $\chi^2/\text{NDF}: 7657.9/86$

- sign 34.677 ± 0.140 $\chi^2/\text{NDF}: 3475.6/43$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -22.021 ± 0.644 χ^2/NDF : 877.1/17

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -34.719 ± 0.527 χ^2/NDF : 2484.2/20

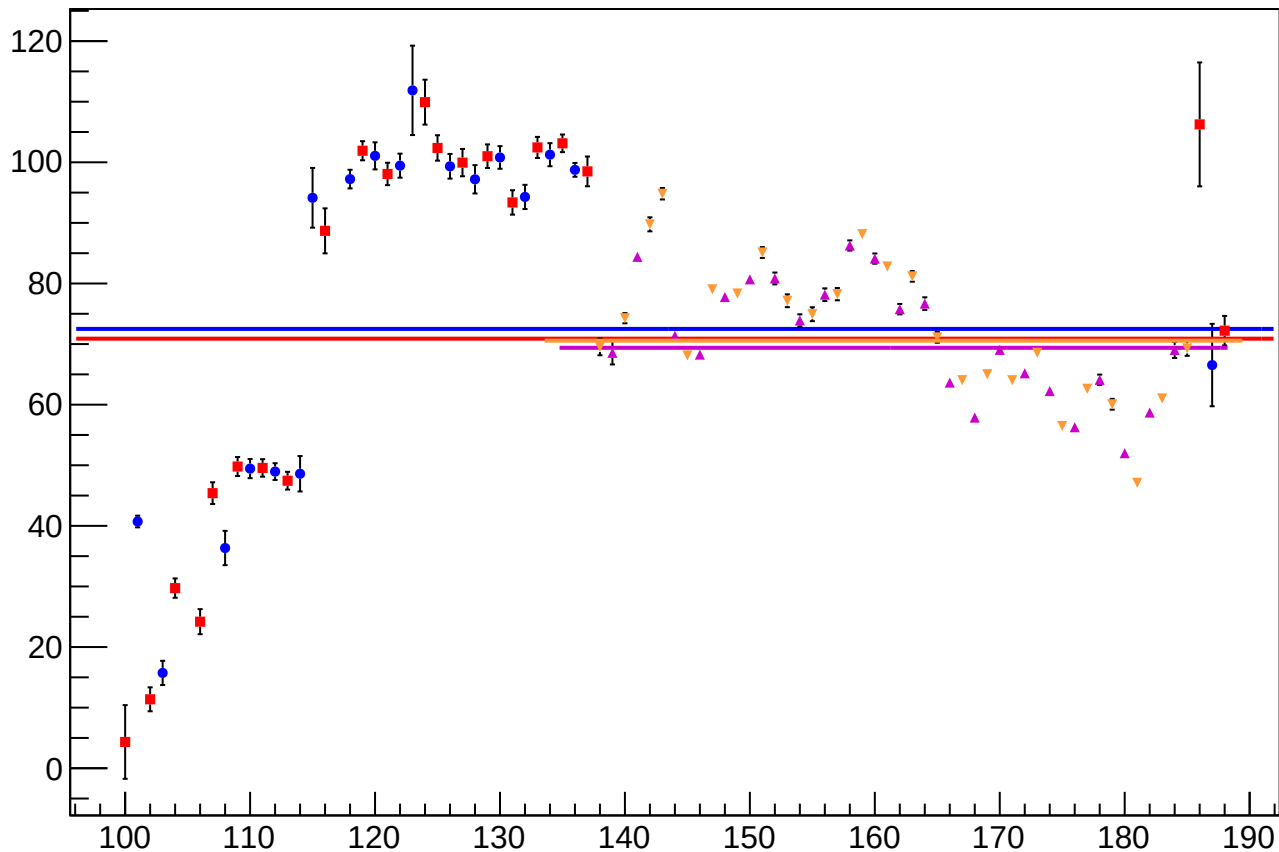
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -28.607 ± 0.180 χ^2/NDF : 11116.8/42

All: -28.964 ± 0.127 χ^2/NDF : 22768.6/86

- sign -29.318 ± 0.179 χ^2/NDF : 11644.0/43

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.505 ± 0.428 χ^2/NDF : 4673.0/17

Left Out: 70.563 ± 0.166 χ^2/NDF : 4589.1/24

Right Out: 70.896 ± 0.427 χ^2/NDF : 5506.9/20

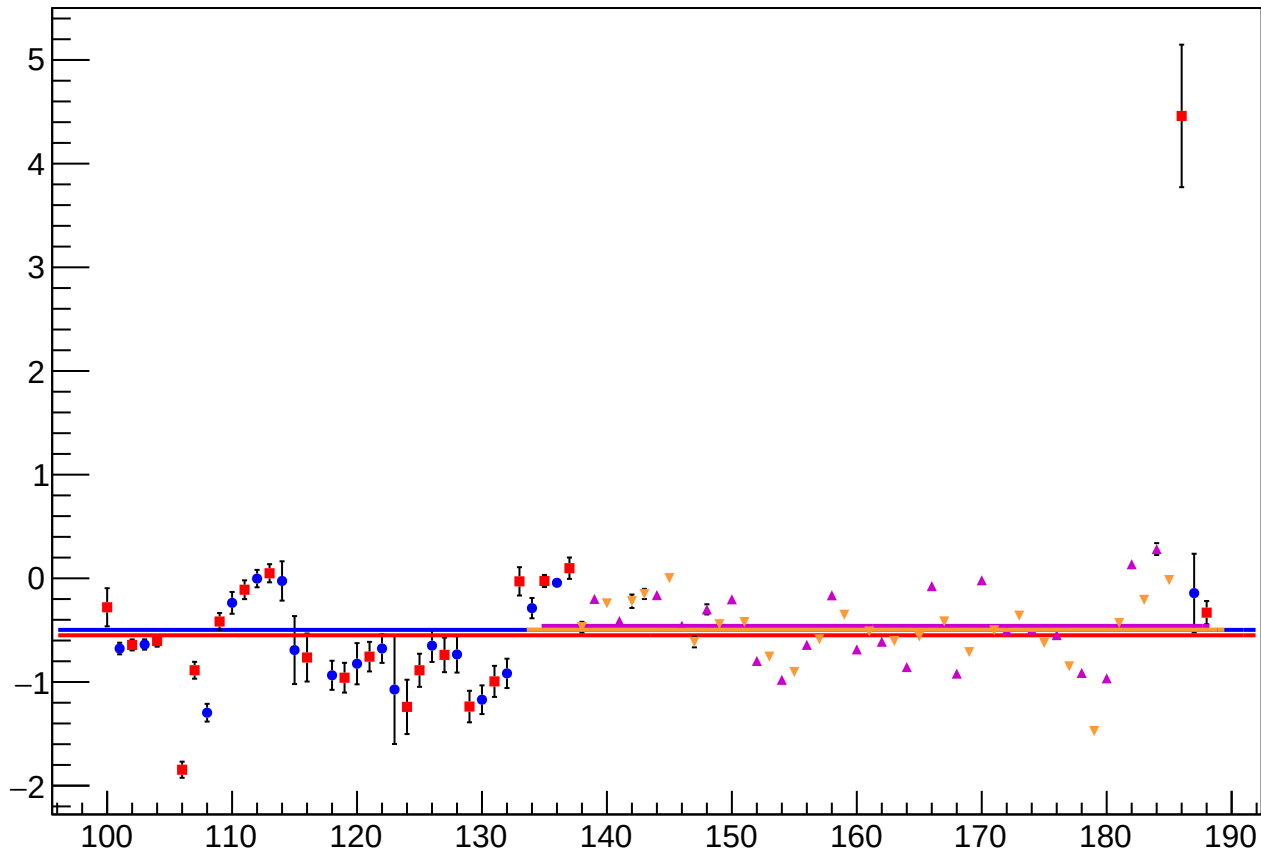
Left In: 69.387 ± 0.170 χ^2/NDF : 3321.8/22

+ sign 70.817 ± 0.155 χ^2/NDF : 9280.0/42

All: 70.218 ± 0.111 χ^2/NDF : 18149.9/86

- sign 69.594 ± 0.158 χ^2/NDF : 8839.5/43

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.497 ± 0.022 χ^2/NDF : 303.0/17

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.549 ± 0.021 χ^2/NDF : 617.6/20

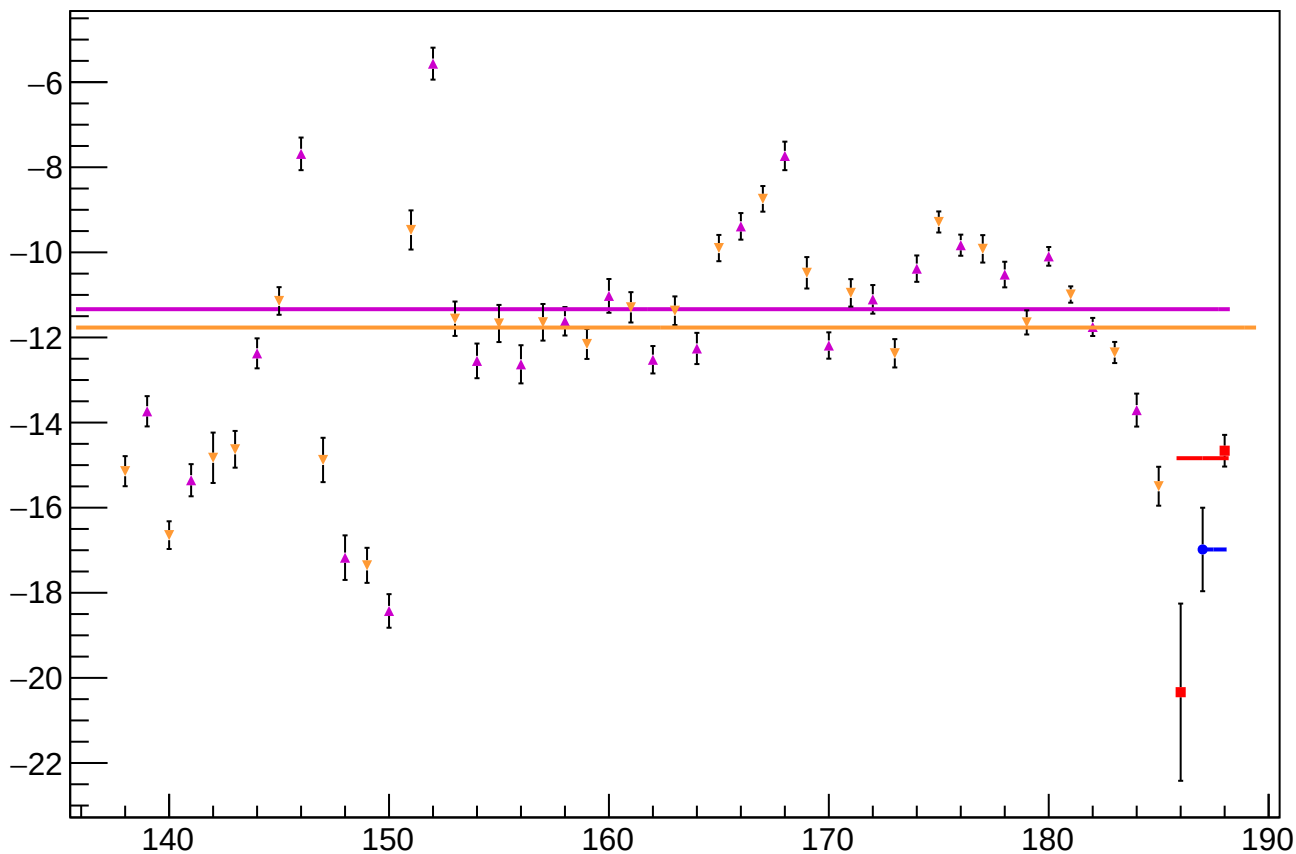
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.497 ± 0.007 χ^2/NDF : 1752.3/42

All: -0.483 ± 0.005 χ^2/NDF : 4351.6/86

- sign -0.470 ± 0.007 χ^2/NDF : 2592.3/43

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.982 ± 0.981 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$

Right Out: -14.837 ± 0.366 $\chi^2/\text{NDF}: 7.2/1$

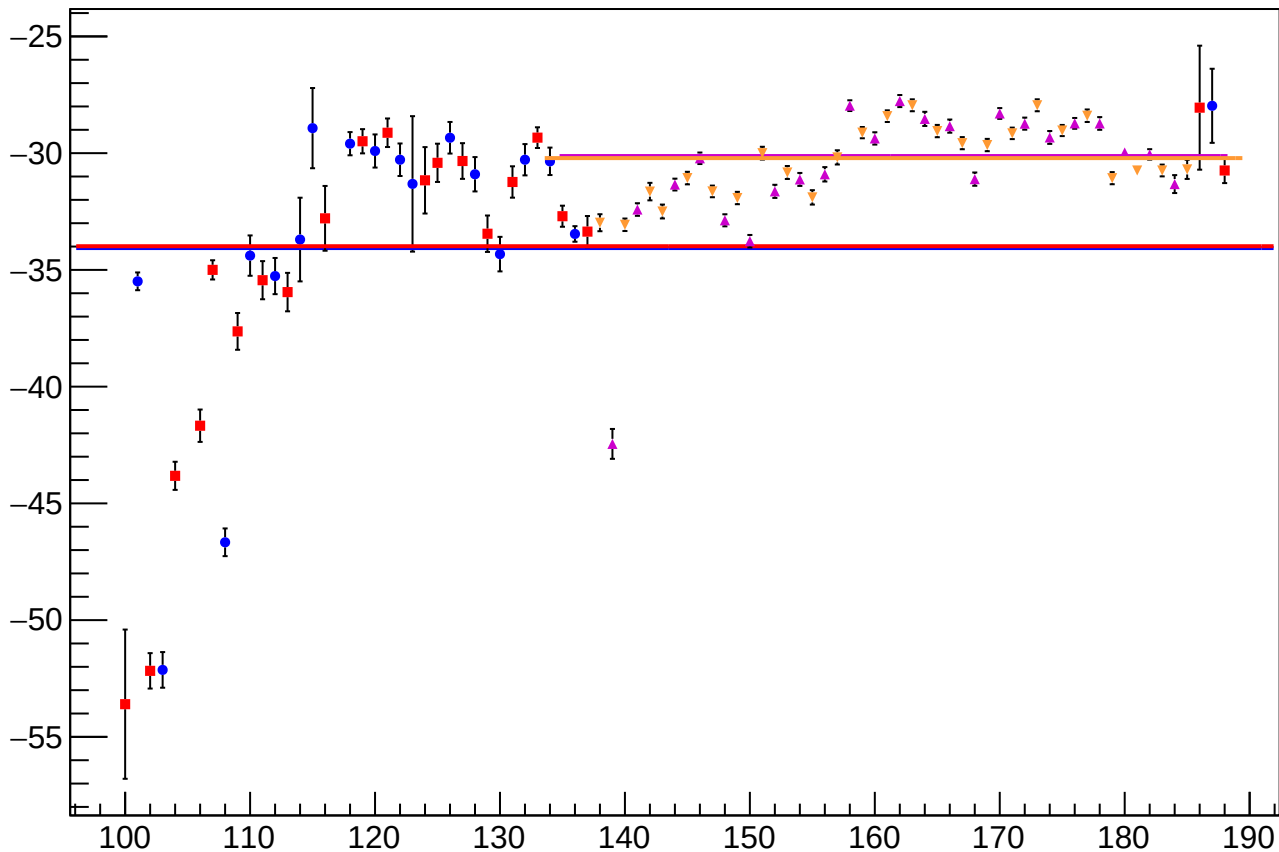
Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -11.791 ± 0.067 $\chi^2/\text{NDF}: 1048.9/25$

All: -11.623 ± 0.047 $\chi^2/\text{NDF}: 2426.6/50$

- sign -11.452 ± 0.067 $\chi^2/\text{NDF}: 1364.8/24$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.064 ± 0.151 χ^2/NDF : 1339.2/17

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -33.986 ± 0.145 χ^2/NDF : 1400.4/20

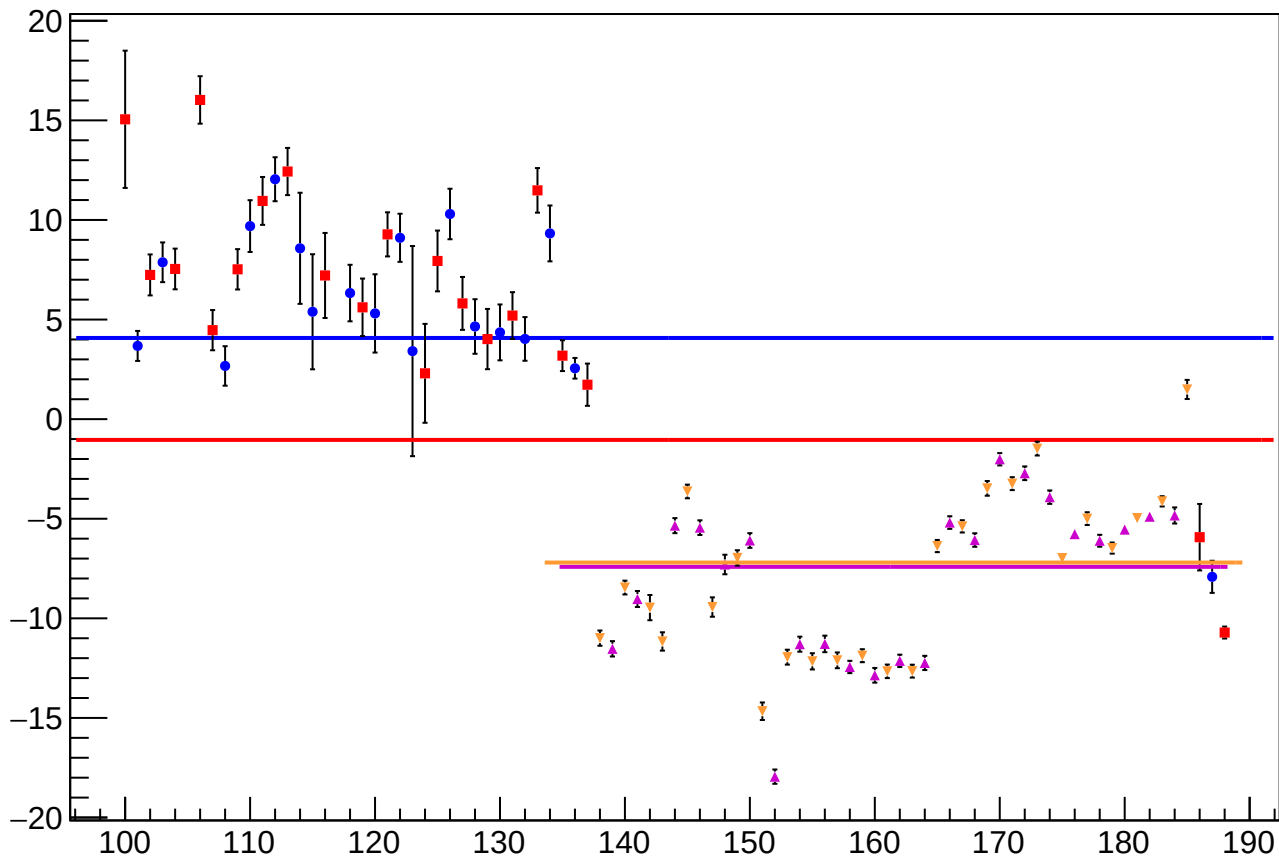
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.645 ± 0.051 χ^2/NDF : 2648.7/42

All: -30.631 ± 0.036 χ^2/NDF : 5892.6/86

- sign -30.616 ± 0.052 χ^2/NDF : 3243.7/43

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 4.076 $\pm$ 0.257 χ^2 /NDF: 378.6/17

Left Out: -7.199 $\pm$ 0.067 χ^2 /NDF:3037.3/24

Right Out: -1.042 $\pm$ 0.201 χ^2 /NDF: 2126.0/20

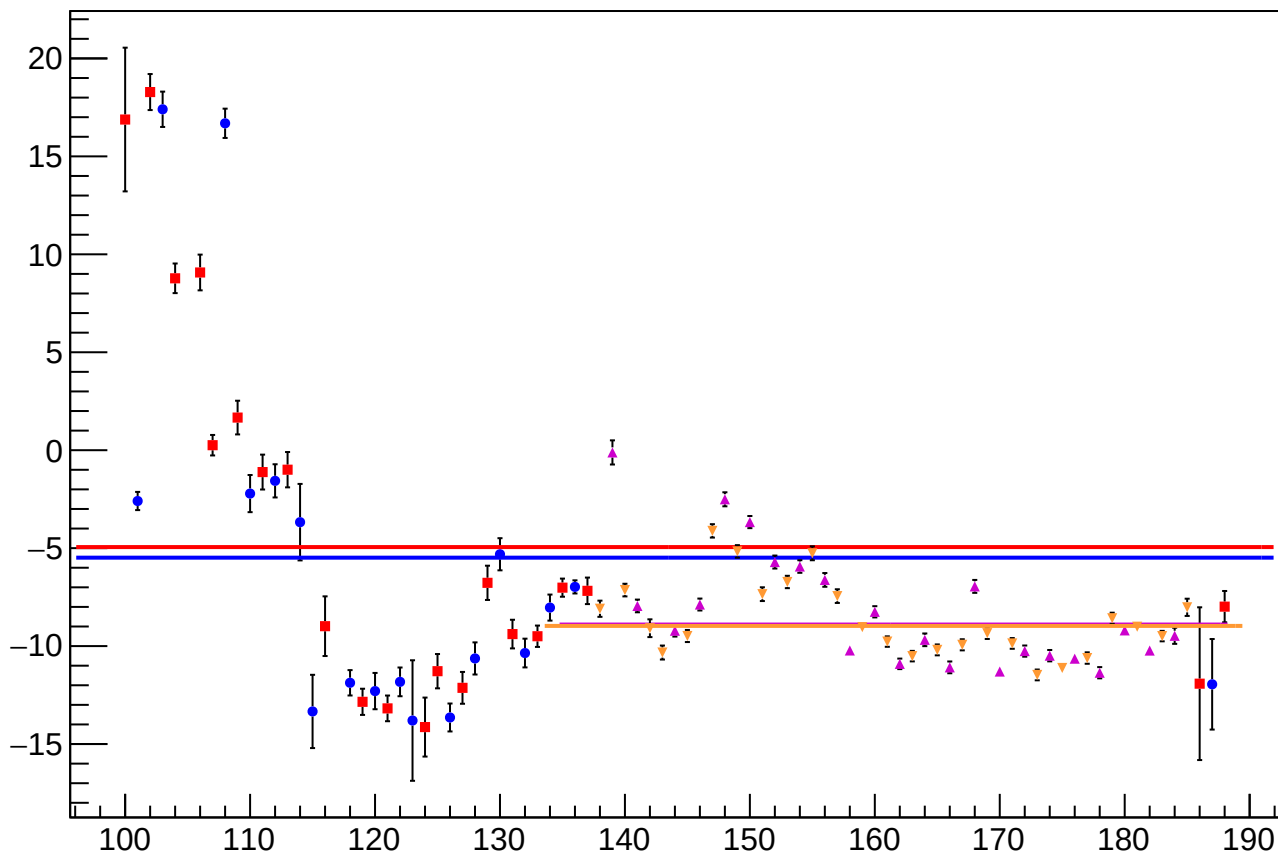
Left In: -7.415 $\pm$ 0.068 χ^2 /NDF:3123.3/22

+ sign -6.482 $\pm$ 0.065 χ^2 /NDF: 5223.3/42

All: -6.624 $\pm$ 0.046 χ^2 /NDF: 11382.4/86

- sign -6.764 $\pm$ 0.064 χ^2 /NDF: 6149.6/43

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.486 ± 0.171 χ^2/NDF : 2104.9/17

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -4.945 ± 0.169 χ^2/NDF : 2066.0/20

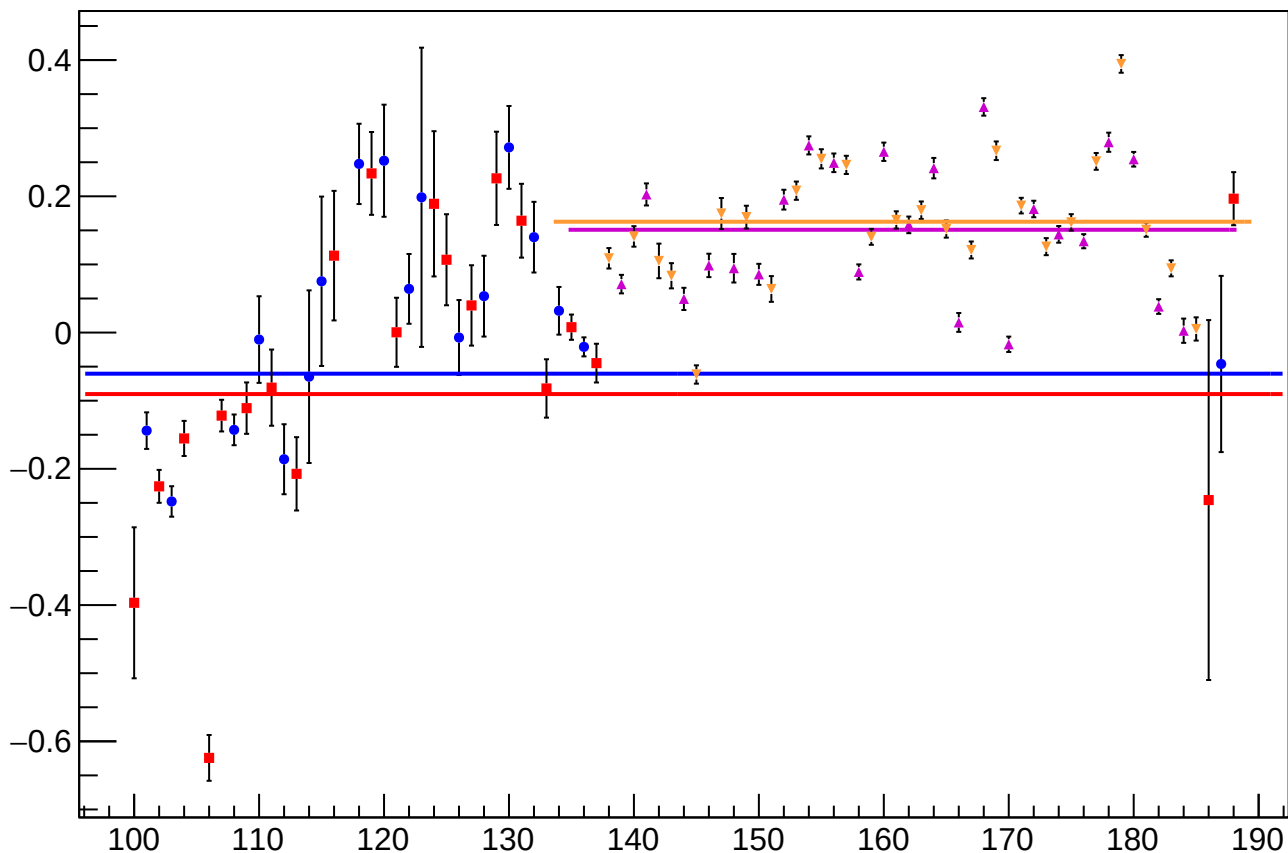
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.584 ± 0.057 χ^2/NDF : 3354.8/42

All: -8.512 ± 0.041 χ^2/NDF : 7440.9/86

- sign -8.436 ± 0.058 χ^2/NDF : 4082.8/43

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 214.5/17

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.090 ± 0.008 χ^2/NDF : 490.1/20

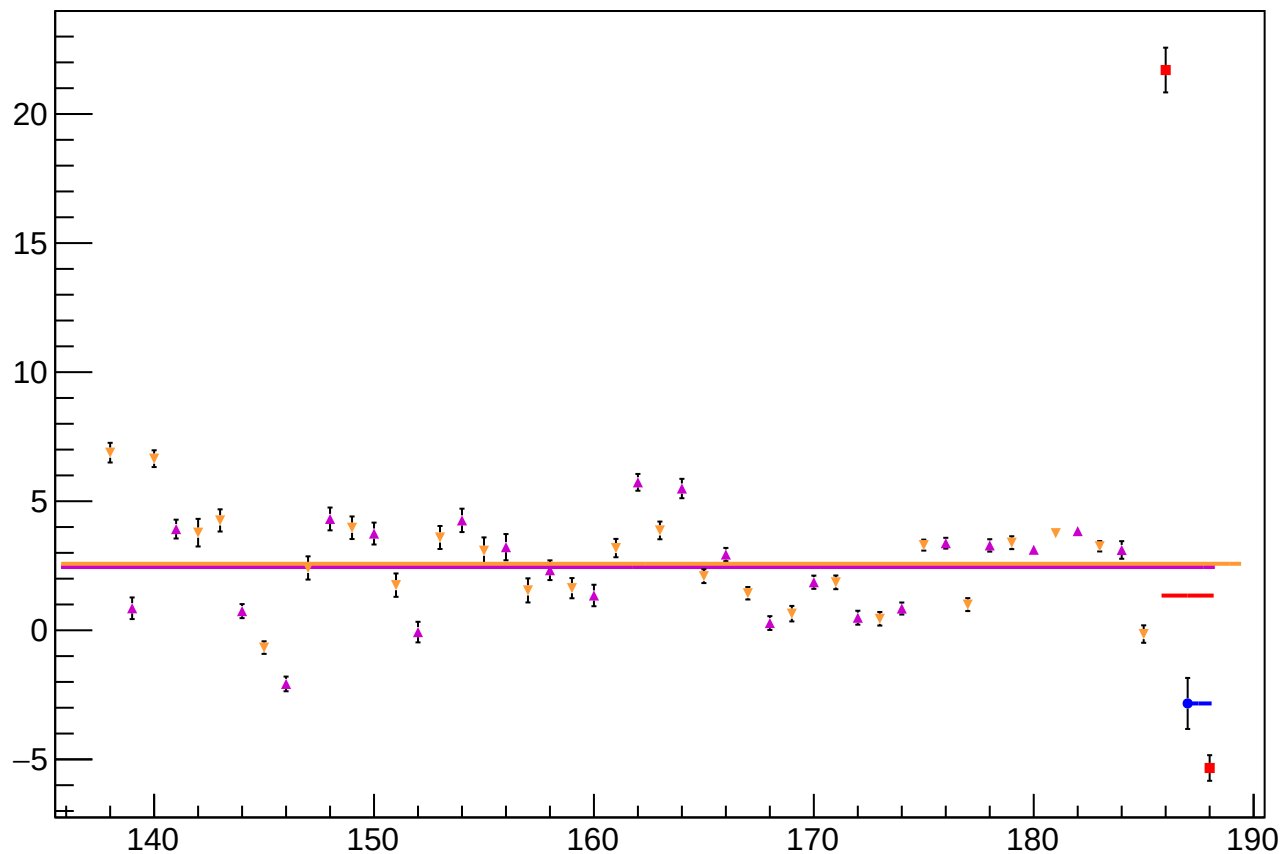
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.141 ± 0.003 χ^2/NDF : 1871.8/42

All: 0.134 ± 0.002 χ^2/NDF : 4433.1/86

- sign 0.127 ± 0.003 χ^2/NDF : 2545.0/43

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -2.834 ± 0.988 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 1.345 ± 0.431 $\chi^2/\text{NDF}: 733.1/1$

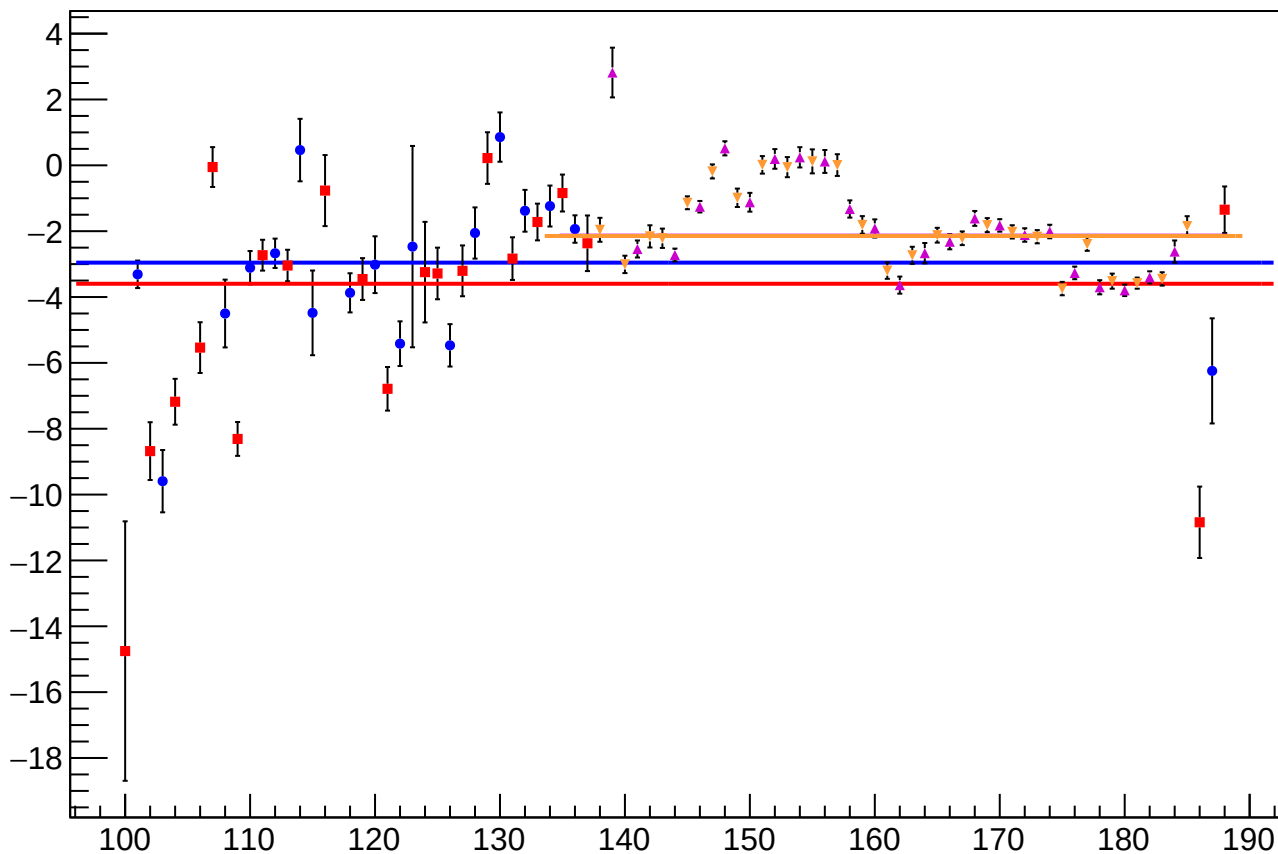
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.558 ± 0.058 $\chi^2/\text{NDF}: 897.3/25$

All: 2.495 ± 0.041 $\chi^2/\text{NDF}: 2510.5/50$

- sign 2.431 ± 0.059 $\chi^2/\text{NDF}: 1610.8/24$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.956 ± 0.154 $\chi^2/\text{NDF}: 149.2/17$

Left Out: -2.146 ± 0.048 $\chi^2/\text{NDF}: 573.4/24$

Right Out: -3.597 ± 0.150 $\chi^2/\text{NDF}: 345.7/20$

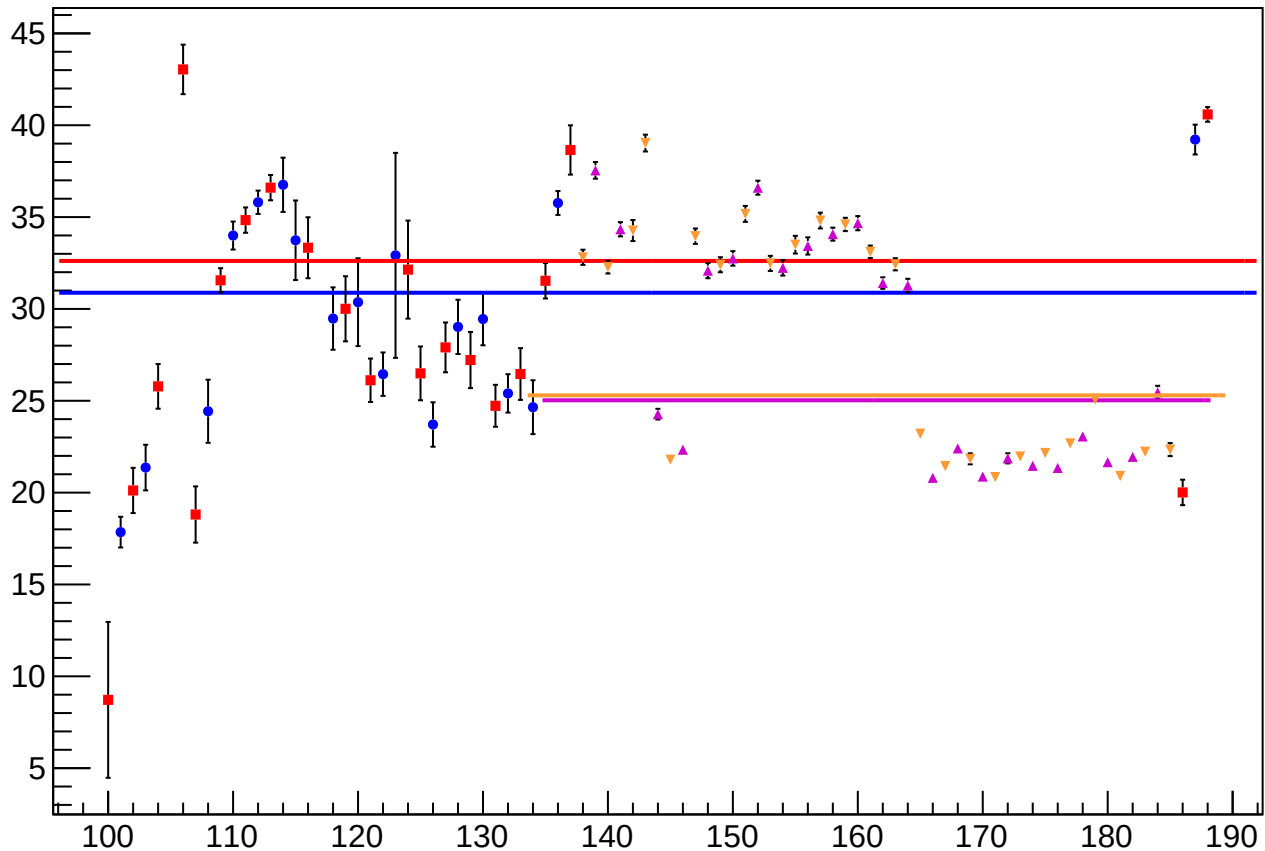
Left In: -2.136 ± 0.048 $\chi^2/\text{NDF}: 691.2/22$

+ sign -2.216 ± 0.046 $\chi^2/\text{NDF}: 747.7/42$

All: -2.245 ± 0.032 $\chi^2/\text{NDF}: 1871.6/86$

- sign -2.275 ± 0.046 $\chi^2/\text{NDF}: 1123.1/43$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 30.882 ± 0.254 χ^2/NDF : 670.8/17

Left Out: 25.296 ± 0.059 χ^2/NDF : 8272.3/24

Right Out: 32.613 ± 0.208 χ^2/NDF : 1244.4/20

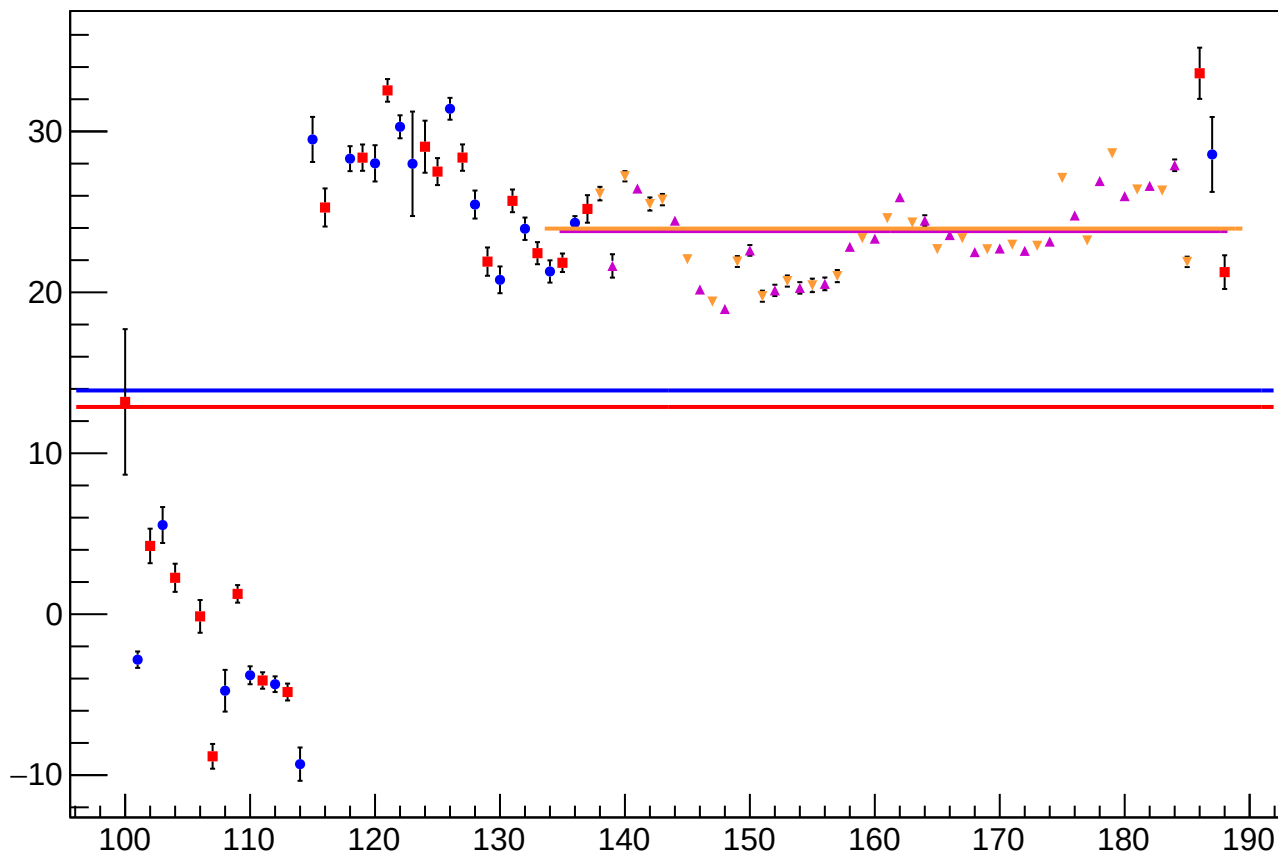
Left In: 25.025 ± 0.060 χ^2/NDF : 7610.5/22

+ sign 25.580 ± 0.057 χ^2/NDF : 9401.1/42

All: 25.590 ± 0.041 χ^2/NDF : 19483.8/86

- sign 25.600 ± 0.057 χ^2/NDF : 10082.7/43

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.903 $\pm$ 0.173 χ^2 /NDF: 7314.6/17

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.879 $\pm$ 0.171 χ^2 /NDF: 7194.3/20

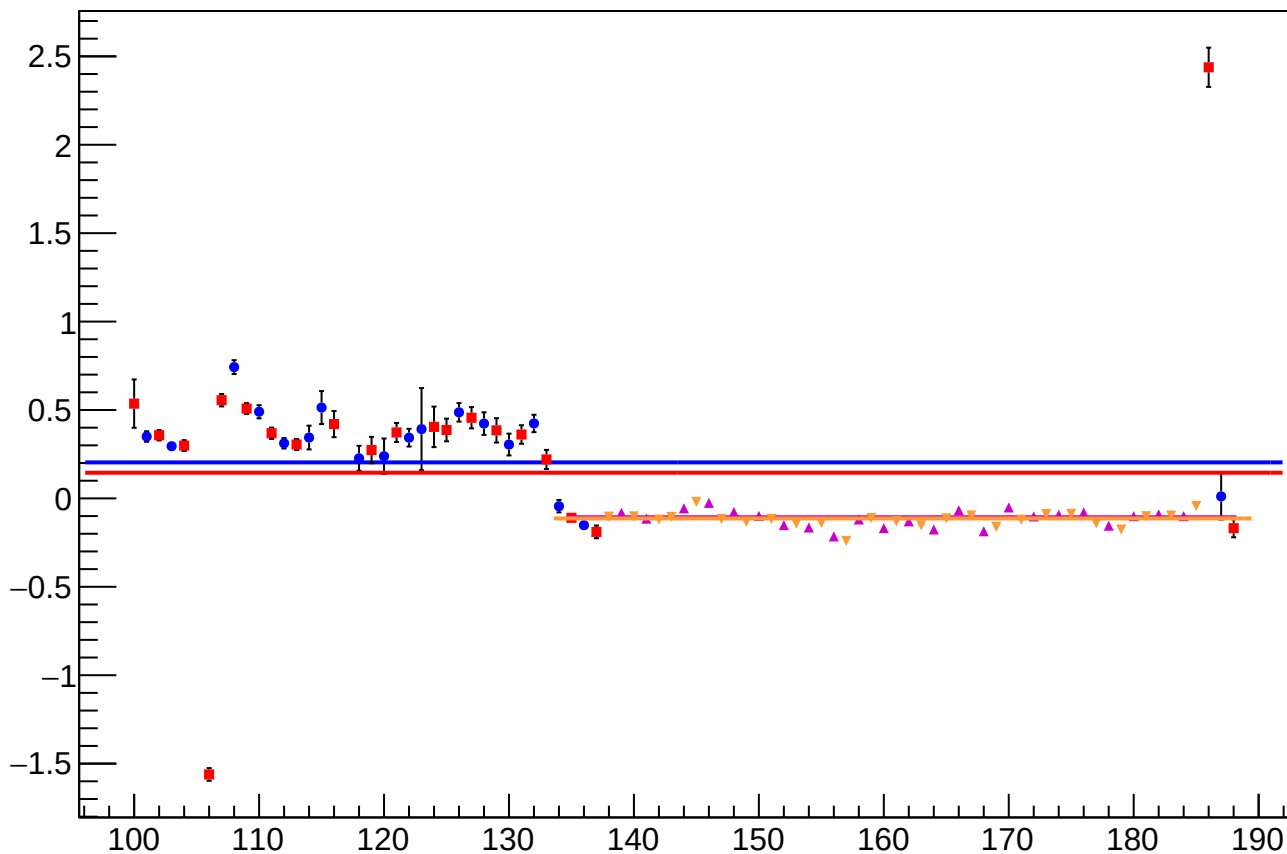
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.090 $\pm$ 0.051 χ^2 /NDF: 12341.1/42

All: 22.952 $\pm$ 0.036 χ^2 /NDF: 25038.0/86

- sign 22.809 $\pm$ 0.052 χ^2 /NDF: 12681.8/43

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.204 ± 0.009 χ^2/NDF : 848.6/17

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.145 ± 0.009 χ^2/NDF : 3478.2/20

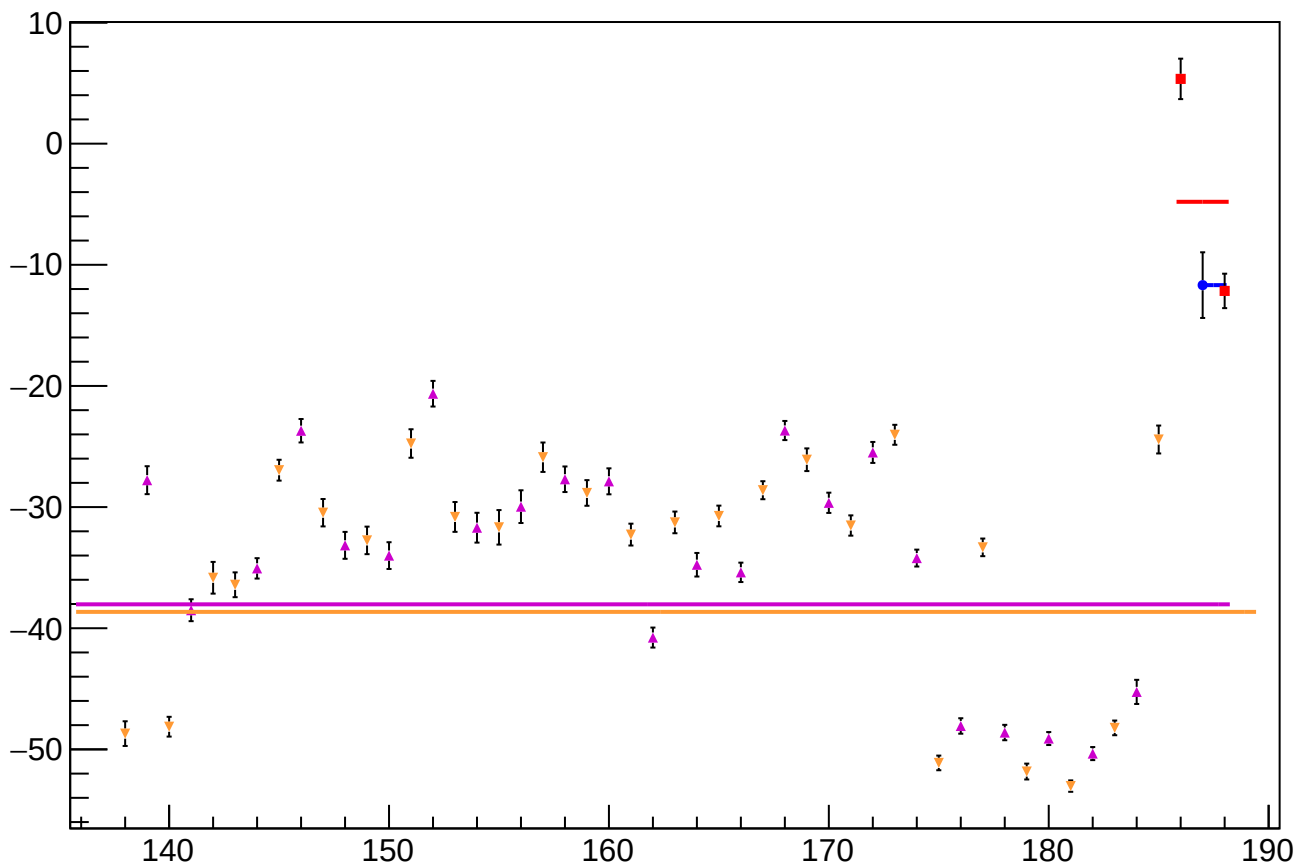
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.094 ± 0.002 χ^2/NDF : 2215.0/42

All: -0.091 ± 0.002 χ^2/NDF : 6738.9/86

- sign -0.089 ± 0.002 χ^2/NDF : 4522.2/43

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -11.678 ± 2.711 χ^2/NDF : 0.0/0

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -4.800 ± 1.082 χ^2/NDF : 63.7/1

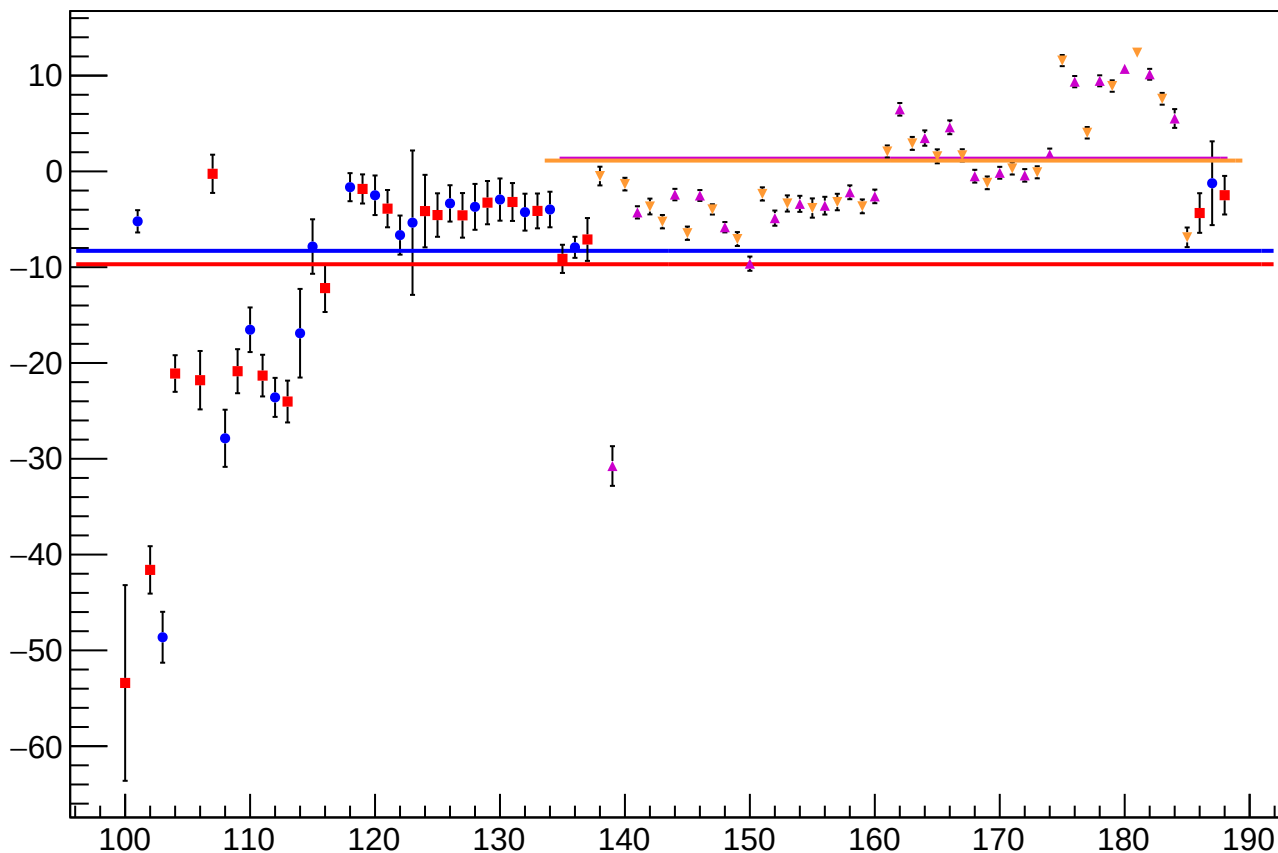
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.545 ± 0.169 χ^2/NDF : 4175.8/25

All: -37.880 ± 0.120 χ^2/NDF : 8282.3/50

- sign -37.197 ± 0.171 χ^2/NDF : 4075.0/24

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.293 ± 0.464 χ^2/NDF : 411.1/17

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -9.692 ± 0.465 χ^2/NDF : 451.5/20

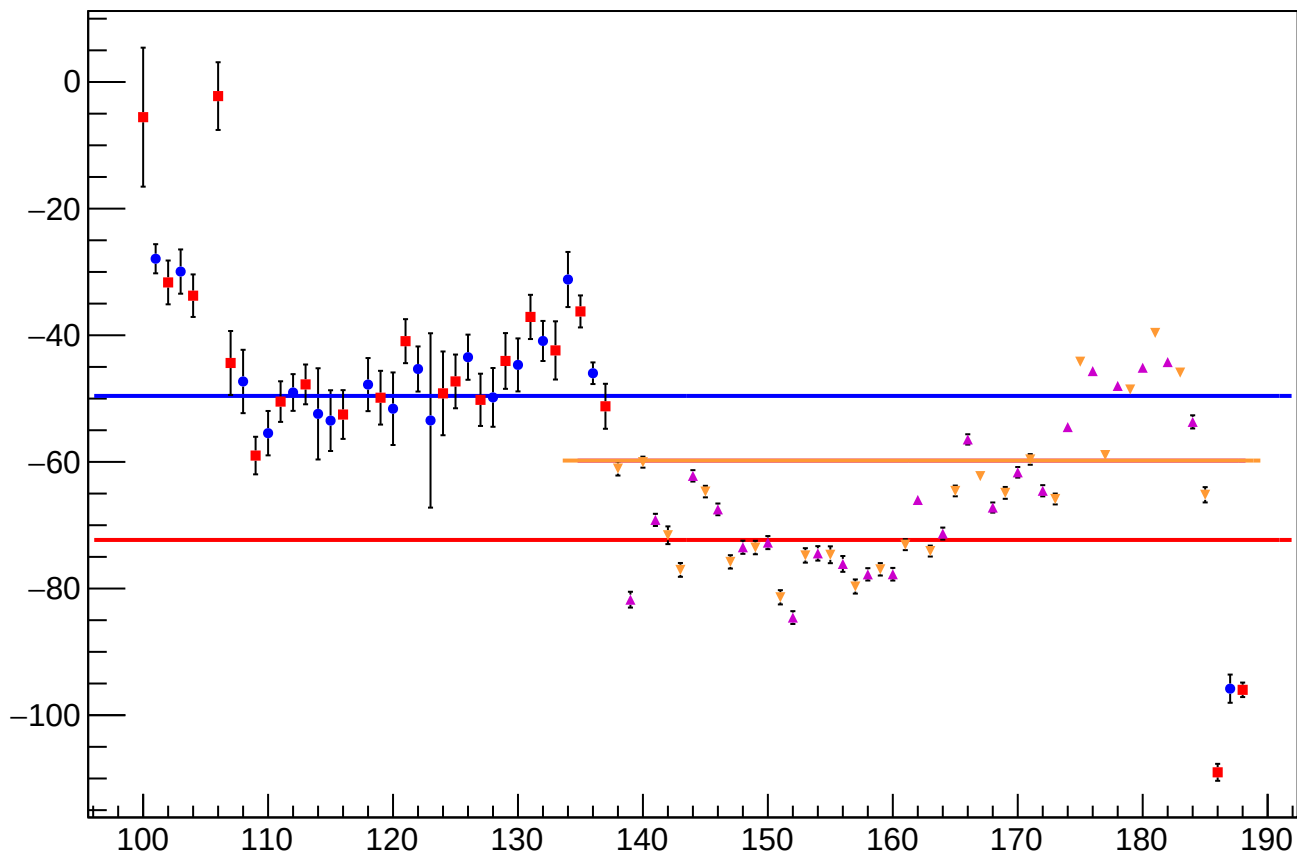
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.384 ± 0.130 χ^2/NDF : 2590.3/42

All: 0.400 ± 0.093 χ^2/NDF : 5604.2/86

- sign 0.417 ± 0.134 χ^2/NDF : 3013.9/43

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -49.579 ± 0.785 χ^2/NDF : 590.8/17

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -72.326 ± 0.615 χ^2/NDF : 2452.4/20

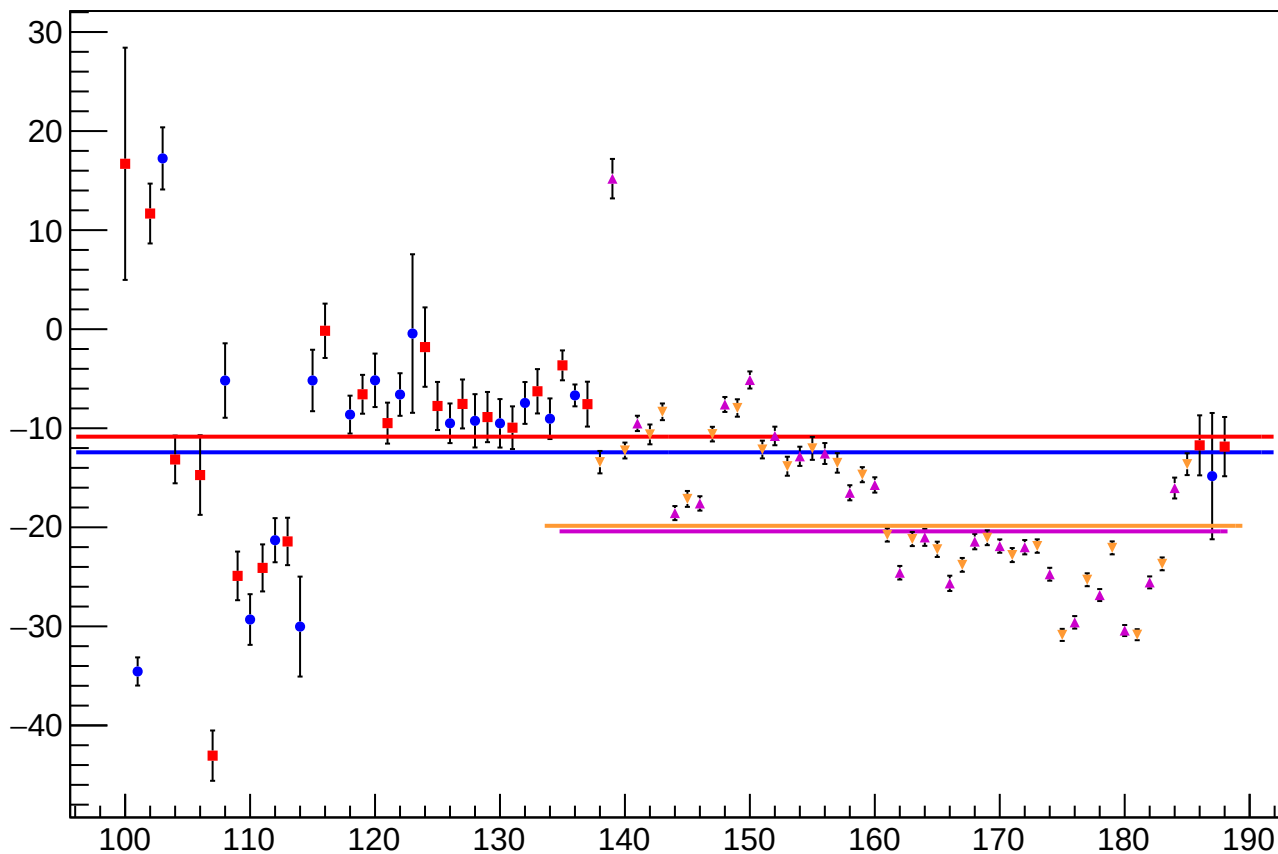
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.330 ± 0.166 χ^2/NDF : 6590.2/42

All: -60.025 ± 0.118 χ^2/NDF : 14679.8/86

- sign -60.724 ± 0.167 χ^2/NDF : 8054.5/43

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.429 ± 0.522 χ^2/NDF : 473.7/17

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -10.849 ± 0.537 χ^2/NDF : 366.1/20

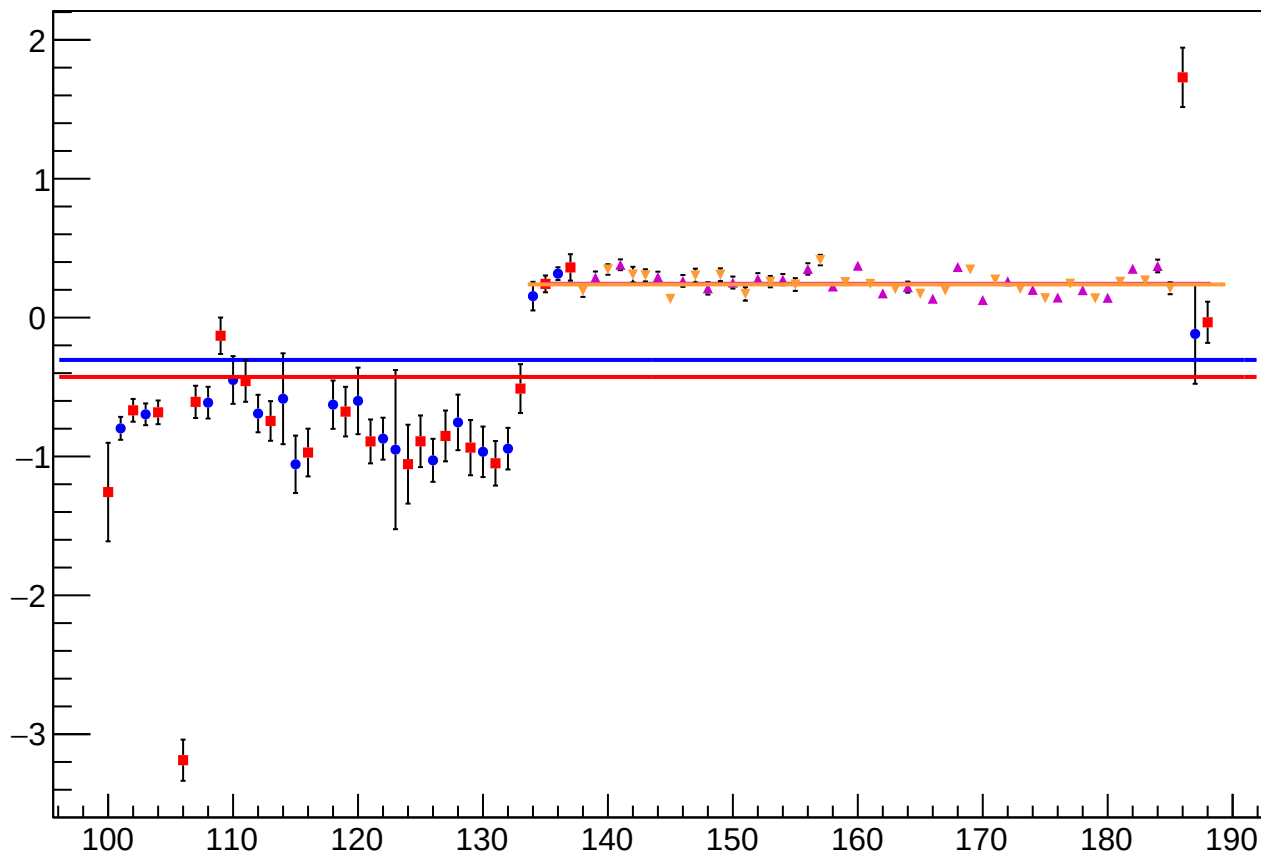
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.262 ± 0.147 χ^2/NDF : 2591.0/42

All: -19.456 ± 0.105 χ^2/NDF : 5555.1/86

- sign -19.659 ± 0.150 χ^2/NDF : 2960.5/43

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.305 ± 0.028 χ^2/NDF : 371.9/17

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.427 ± 0.028 χ^2/NDF : 740.1/20

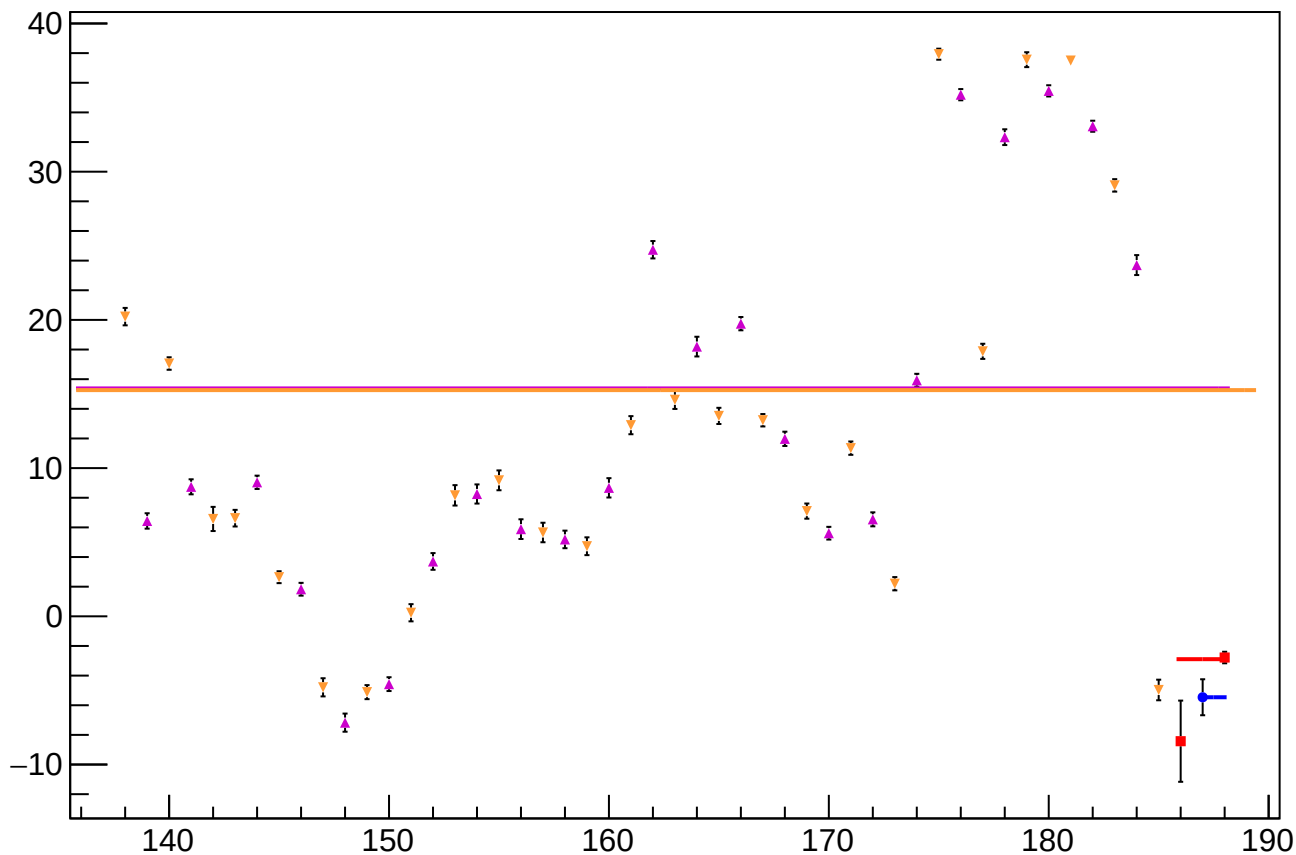
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.206 ± 0.007 χ^2/NDF : 831.7/42

All: 0.204 ± 0.005 χ^2/NDF : 2253.6/86

- sign 0.202 ± 0.007 χ^2/NDF : 1421.7/43

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: -5.461 $\pm$ 1.214 χ^2 /NDF: 0.0/0

Left Out: 15.263 $\pm$ 0.100 χ^2 /NDF:19175.2/24

Right Out: -2.892 $\pm$ 0.385 χ^2 /NDF: 4.2/1

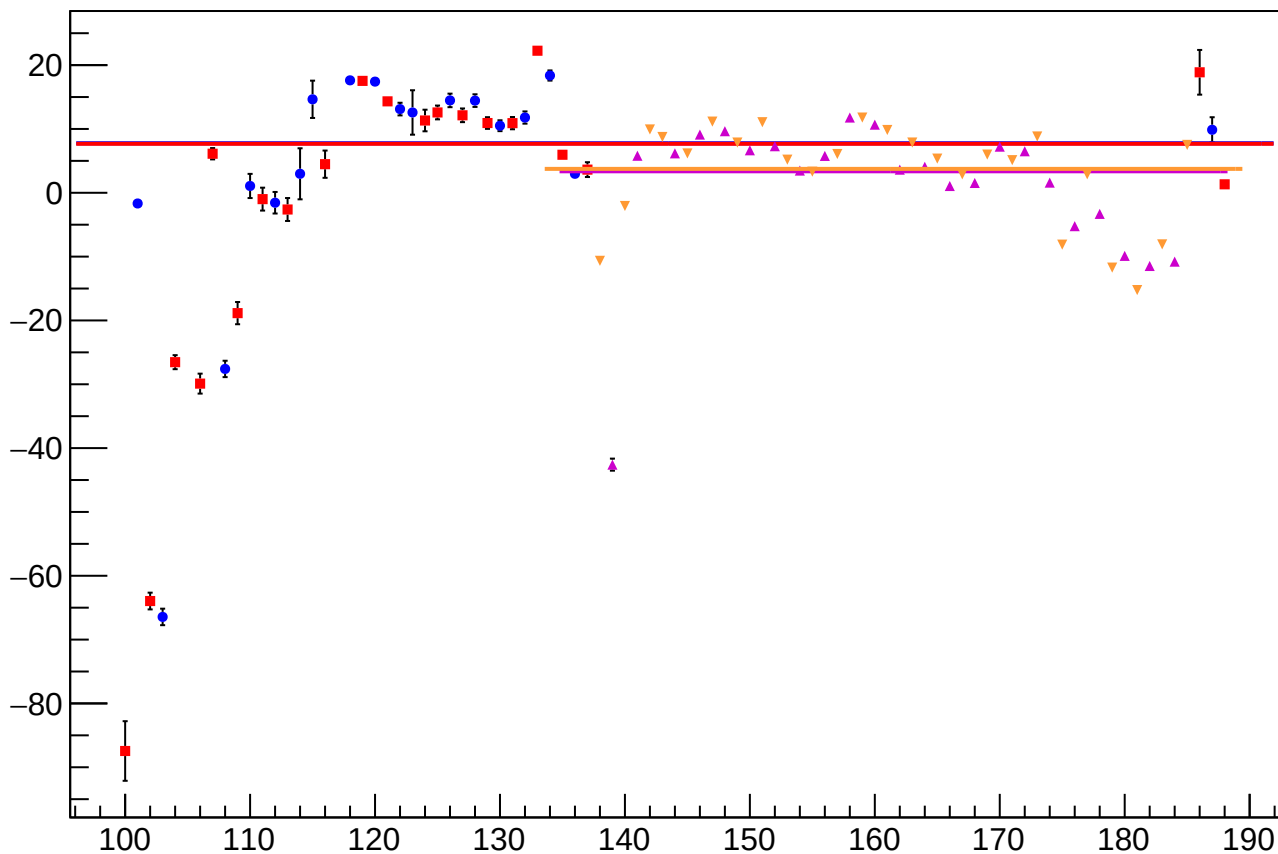
Left In: 15.377 $\pm$ 0.103 χ^2 /NDF:16268.9/22

+ sign 15.121 $\pm$ 0.100 χ^2 /NDF: 19464.7/25

All: 14.638 $\pm$ 0.071 χ^2 /NDF: 37885.4/50

- sign 14.162 $\pm$ 0.099 χ^2 /NDF: 18374.4/24

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.762 ± 0.217 $\chi^2/\text{NDF}: 5302.5/17$

Left Out: 3.746 ± 0.079 $\chi^2/\text{NDF}: 9247.4/24$

Right Out: 7.674 ± 0.200 $\chi^2/\text{NDF}: 6869.6/20$

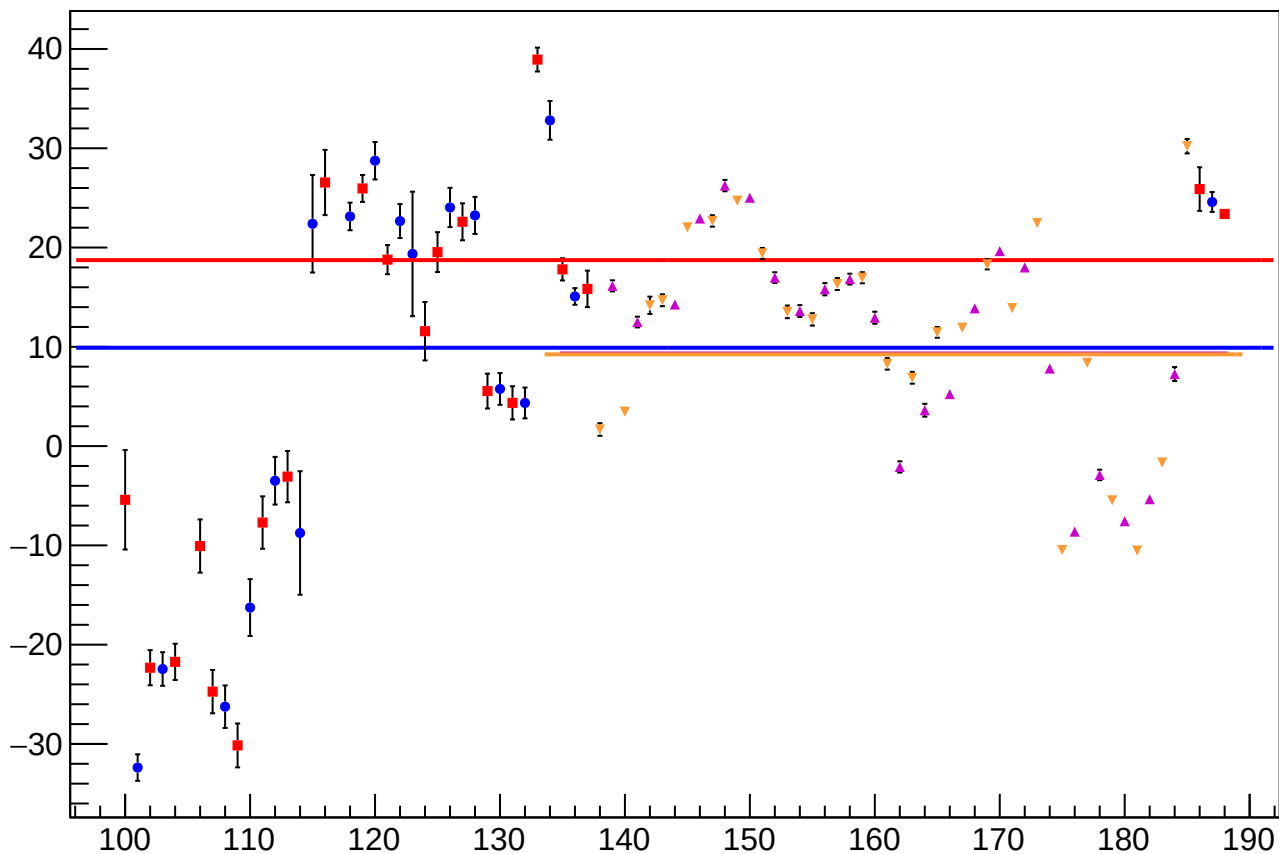
Left In: 3.365 ± 0.081 $\chi^2/\text{NDF}: 8527.0/22$

+ sign 4.213 ± 0.074 $\chi^2/\text{NDF}: 14852.6/42$

All: 4.097 ± 0.053 $\chi^2/\text{NDF}: 30653.9/86$

- sign 3.977 ± 0.075 $\chi^2/\text{NDF}: 15796.2/43$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 9.907 ± 0.386 $\chi^2/\text{NDF}: 2546.0/17$

Left Out: 9.242 ± 0.101 $\chi^2/\text{NDF}: 13633.2/24$

Right Out: 18.733 ± 0.250 $\chi^2/\text{NDF}: 2917.5/20$

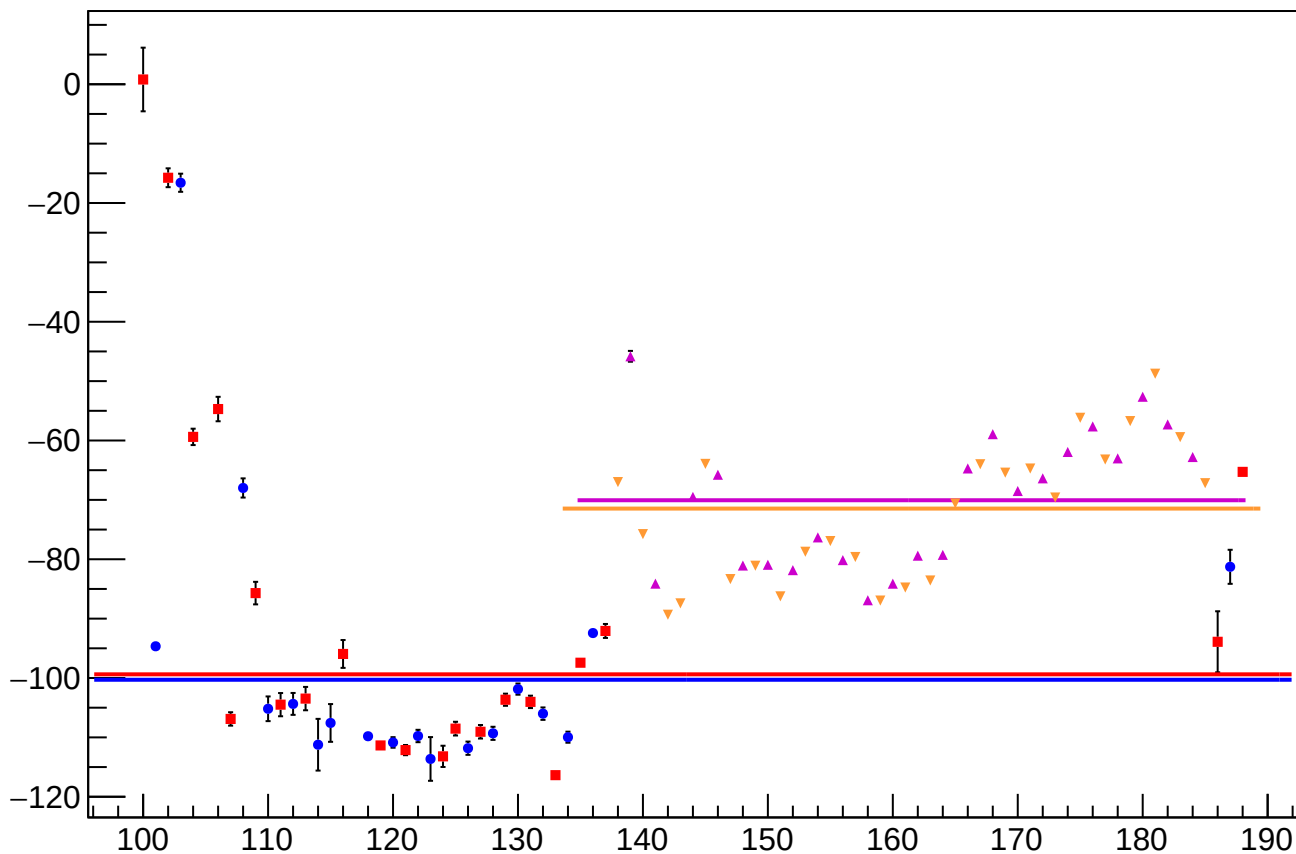
Left In: 9.328 ± 0.103 $\chi^2/\text{NDF}: 11968.5/22$

+ sign 9.285 ± 0.098 $\chi^2/\text{NDF}: 16182.0/42$

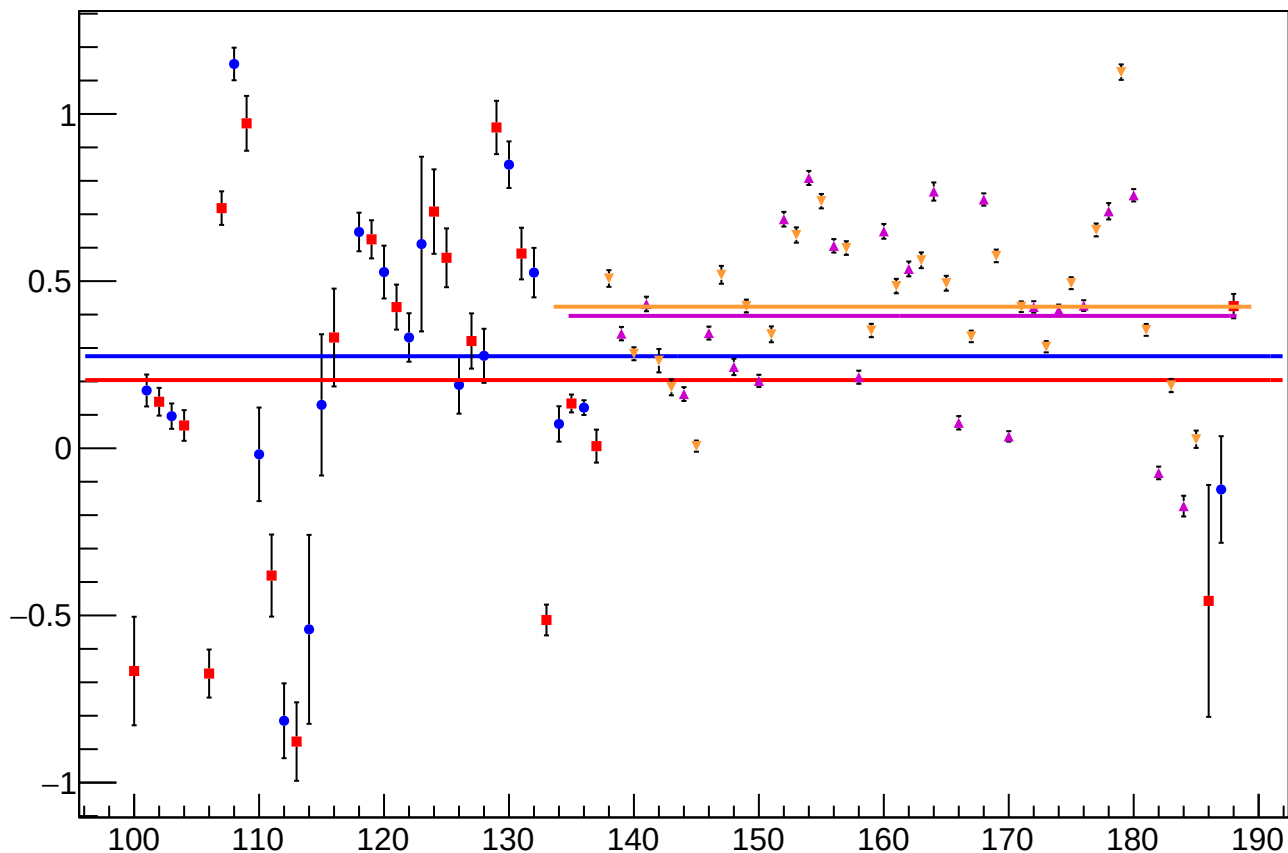
All: 10.003 ± 0.068 $\chi^2/\text{NDF}: 32384.2/86$

- sign 10.682 ± 0.095 $\chi^2/\text{NDF}: 16096.8/43$

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.275 $\pm$ 0.013 χ^2 /NDF: 659.8/17

Left Out: 0.424 $\pm$ 0.004 χ^2 /NDF:2885.0/24

Right Out: 0.204 $\pm$ 0.013 χ^2 /NDF: 1011.3/20

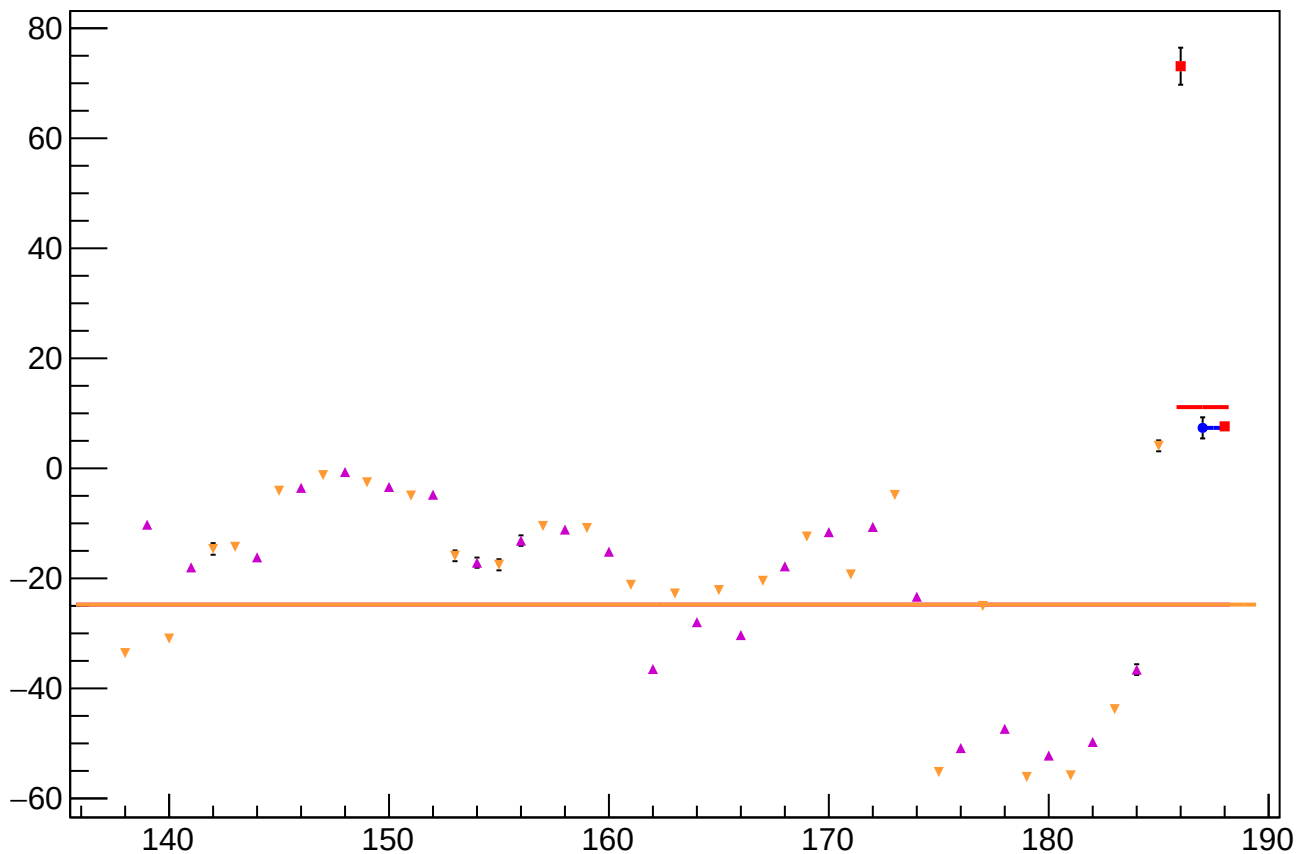
Left In: 0.396 $\pm$ 0.004 χ^2 /NDF:4051.5/22

+ sign 0.411 $\pm$ 0.004 χ^2 /NDF: 3655.3/42

All: 0.394 $\pm$ 0.003 χ^2 /NDF: 8962.8/86

- sign 0.377 $\pm$ 0.004 χ^2 /NDF: 5270.8/43

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: 7.358 ± 1.920 χ^2/NDF : 0.0/0

Left Out: -24.769 ± 0.139 χ^2/NDF : 18318.8/24

Right Out: 11.132 ± 0.779 χ^2/NDF : 357.5/1

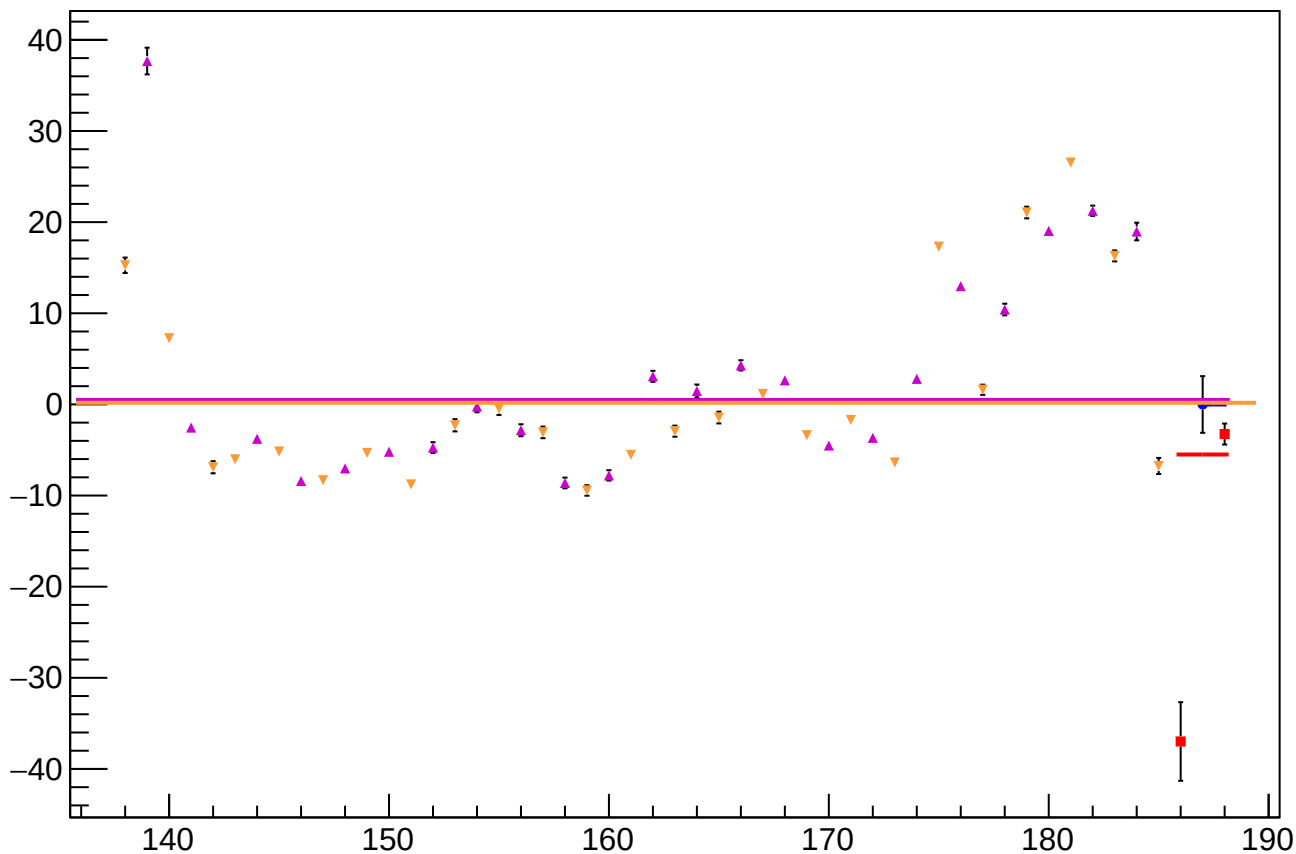
Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -24.600 ± 0.139 χ^2/NDF : 18597.3/25

All: -24.109 ± 0.099 χ^2/NDF : 35843.0/50

- sign -23.608 ± 0.140 χ^2/NDF : 17220.6/24

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -0.009 ± 3.109 χ^2/NDF : 0.0/0

Left Out: 0.177 ± 0.109 χ^2/NDF : 8295.6/24

Right Out: -5.498 ± 1.114 χ^2/NDF : 57.1/1

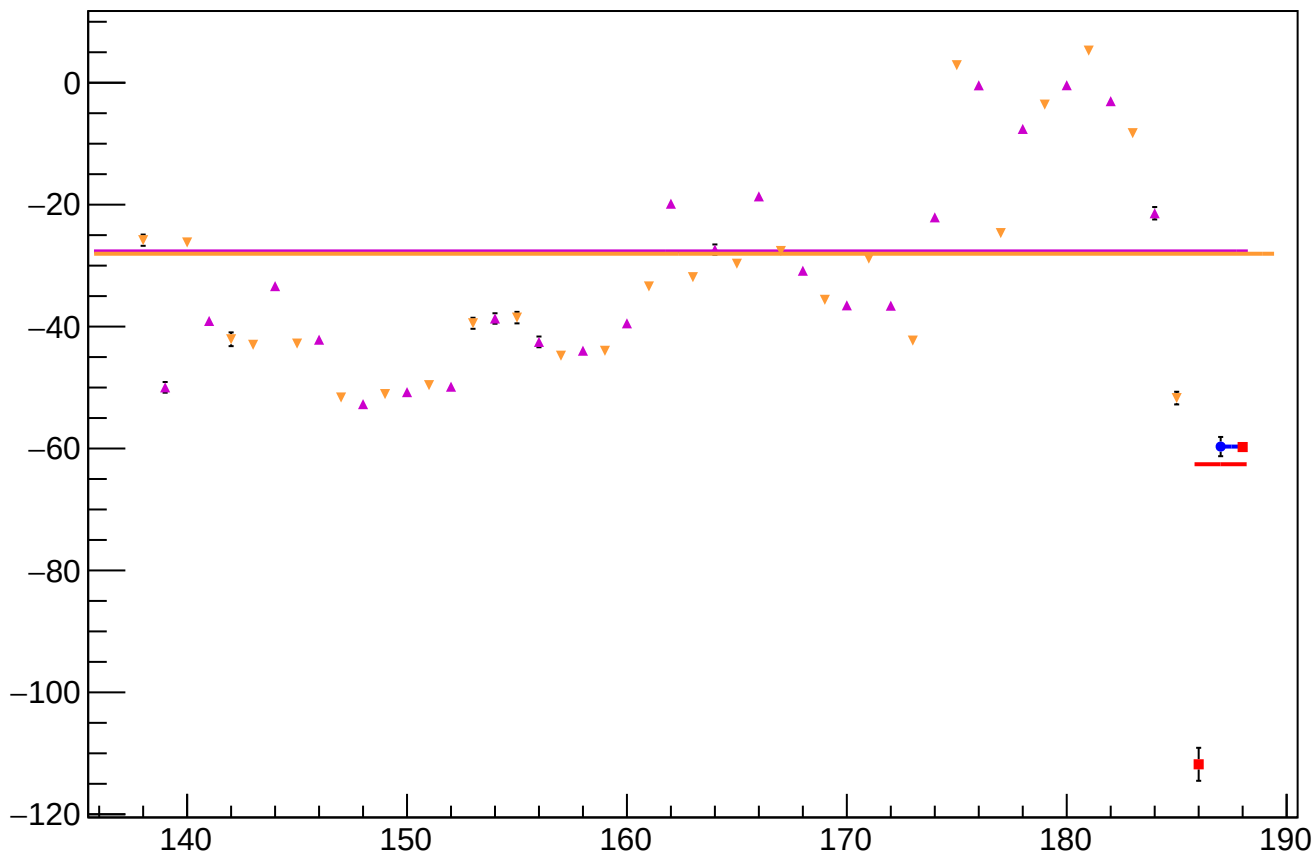
Left In: 0.493 ± 0.112 χ^2/NDF : 6555.4/22

+ sign 0.177 ± 0.108 χ^2/NDF : 8295.6/25

All: 0.302 ± 0.078 χ^2/NDF : 14939.4/50

- sign 0.433 ± 0.112 χ^2/NDF : 6641.1/24

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -59.683 ± 1.579 χ^2/NDF : 0.0/0

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -62.579 ± 0.630 χ^2/NDF : 349.9/1

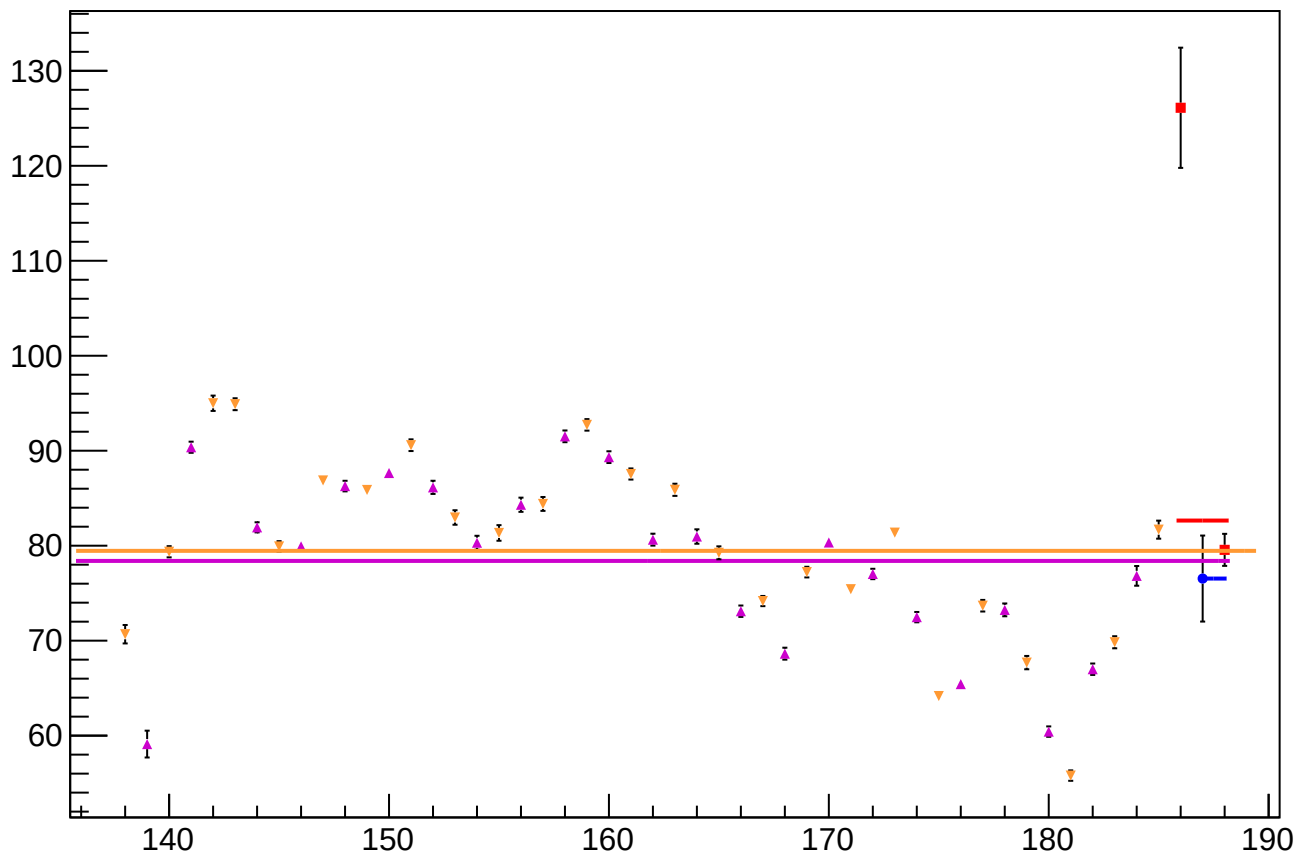
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -28.296 ± 0.139 χ^2/NDF : 17542.7/25

All: -28.833 ± 0.098 χ^2/NDF : 35849.5/50

- sign -29.366 ± 0.139 χ^2/NDF : 18277.2/24

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 76.539 $\pm$ 4.529 χ^2 /NDF: 0.0/0

Left Out: 79.456 $\pm$ 0.123 χ^2 /NDF:6077.1/24

Right Out: 82.646 $\pm$ 1.629 χ^2 /NDF: 50.5/1

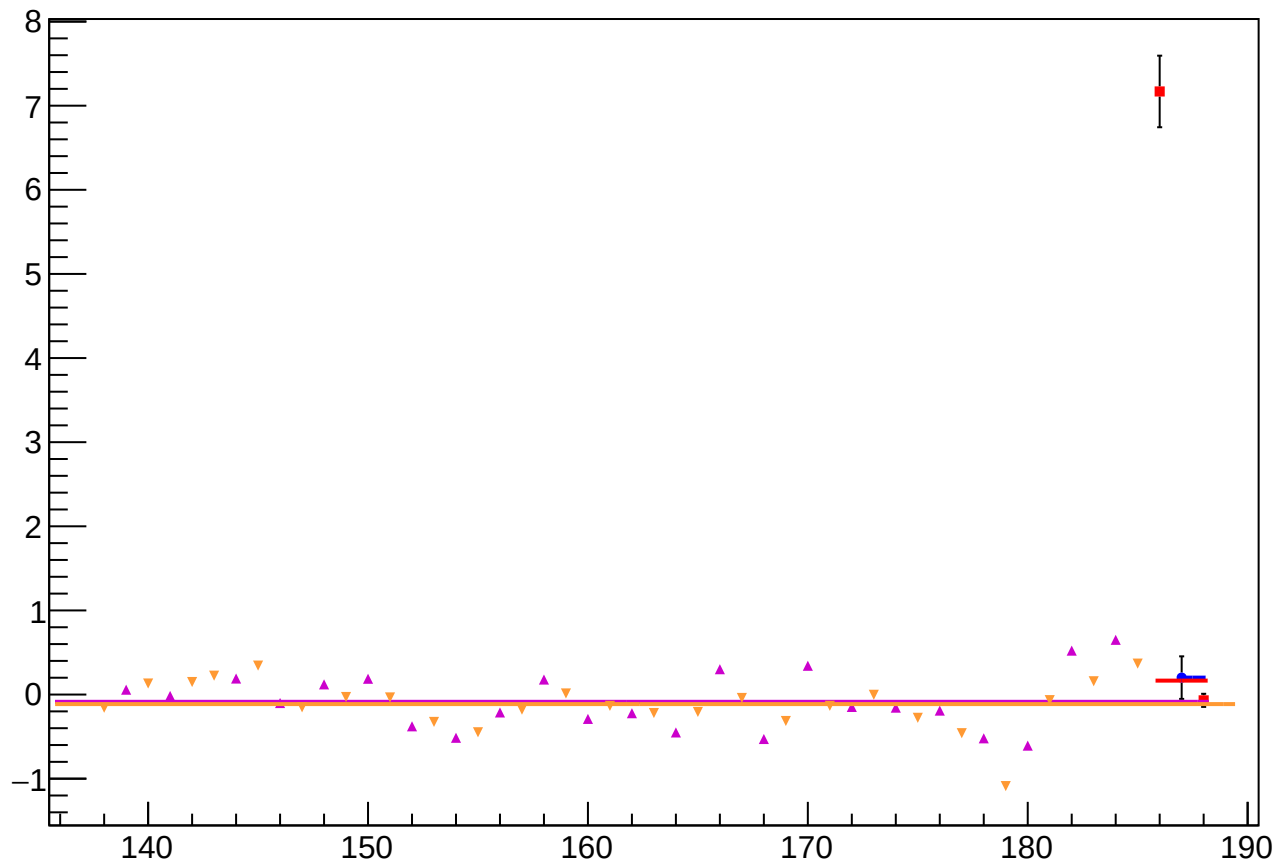
Left In: 78.396 $\pm$ 0.127 χ^2 /NDF:4707.3/22

+ sign 79.454 $\pm$ 0.123 χ^2 /NDF: 6077.5/25

All: 78.951 $\pm$ 0.088 χ^2 /NDF: 10876.3/50

- sign 78.422 $\pm$ 0.126 χ^2 /NDF: 4764.6/24

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.253 χ^2/NDF : 0.0/0

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: 0.166 ± 0.077 χ^2/NDF : 280.1/1

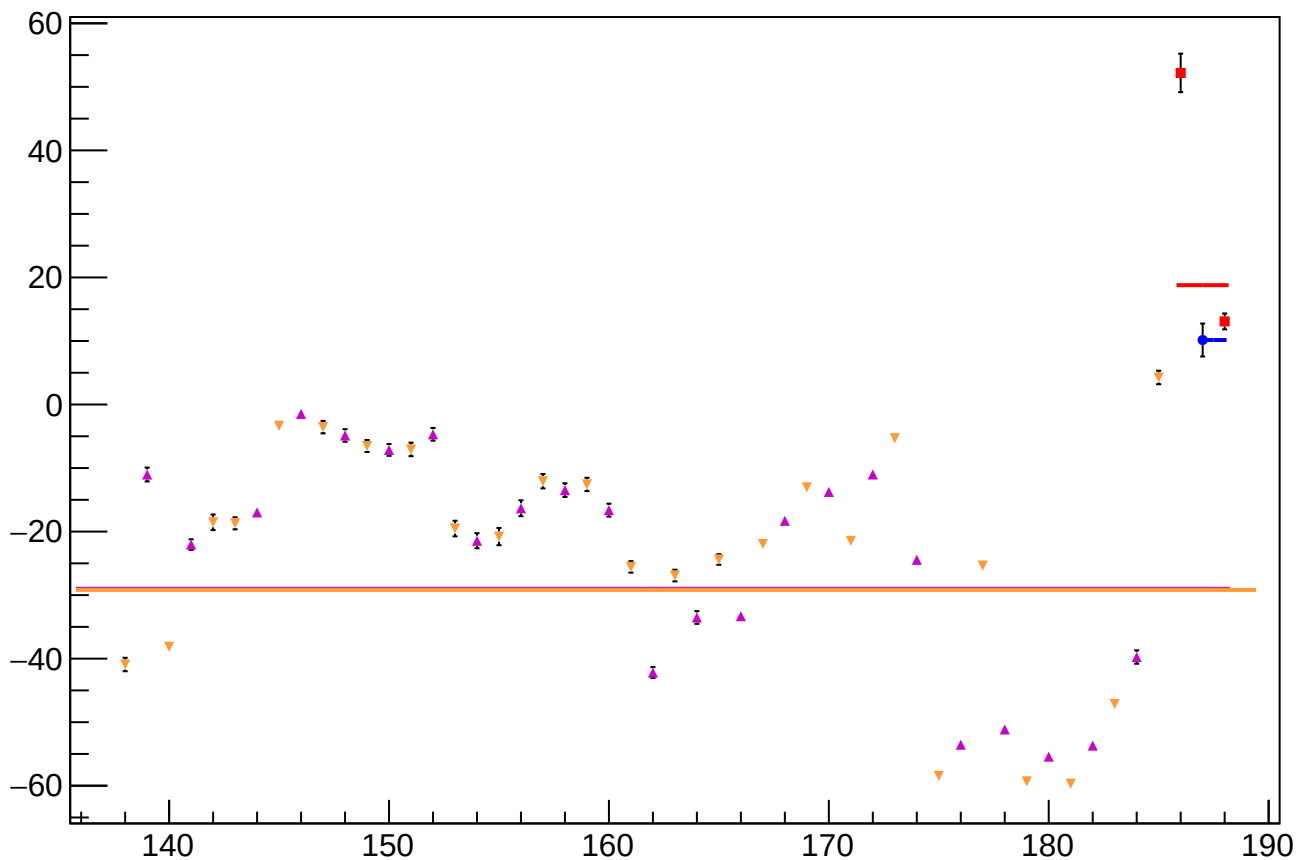
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.113 ± 0.006 χ^2/NDF : 2304.7/25

All: -0.099 ± 0.004 χ^2/NDF : 5739.9/50

- sign -0.085 ± 0.006 χ^2/NDF : 3422.9/24

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: 10.151+/-2.596 χ^2/NDF : 0.0/0

Left Out: -29.180+/-0.157 χ^2/NDF :16912.2/24

Right Out: 18.783+/-1.157 χ^2/NDF : 142.3/1

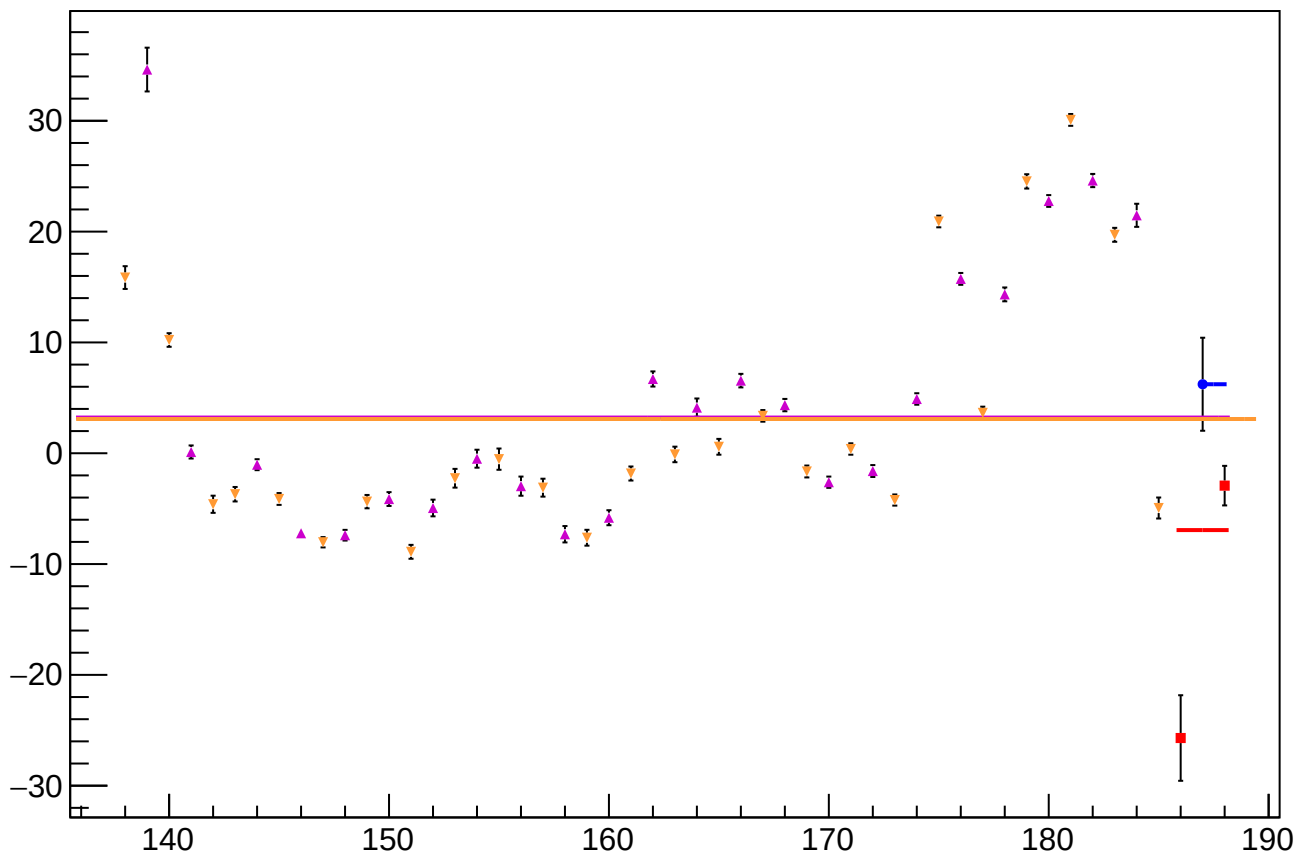
Left In: -29.003+/-0.160 χ^2/NDF :13416.8/22

+ sign -29.037+/-0.157 χ^2/NDF : 17141.0/25

All: -28.578+/-0.111 χ^2/NDF : 32390.6/50

- sign -28.109+/-0.158 χ^2/NDF : 15232.2/24

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 6.227 $\pm$ 4.197 χ^2 /NDF: 0.0/0

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF:8084.1/24

Right Out: -6.934 $\pm$ 1.620 χ^2 /NDF: 28.7/1

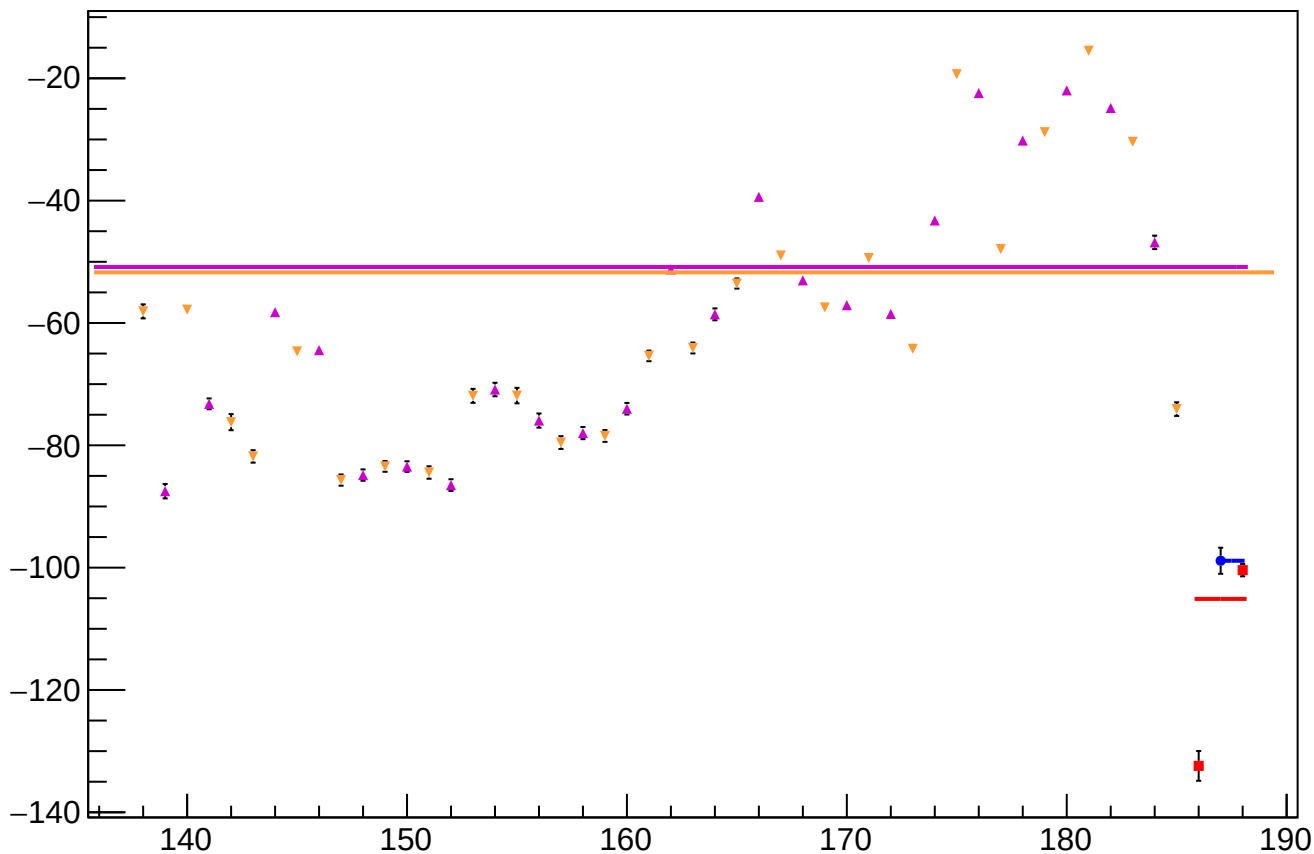
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF:6237.6/22

+ sign 3.093 $\pm$ 0.124 χ^2 /NDF: 8084.6/25

All: 3.126 $\pm$ 0.089 χ^2 /NDF: 14390.1/50

- sign 3.159 $\pm$ 0.127 χ^2 /NDF: 6305.3/24

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -98.874 ± 2.134 χ^2/NDF : 0.0/0

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -105.113 ± 0.934 χ^2/NDF : 147.4/1

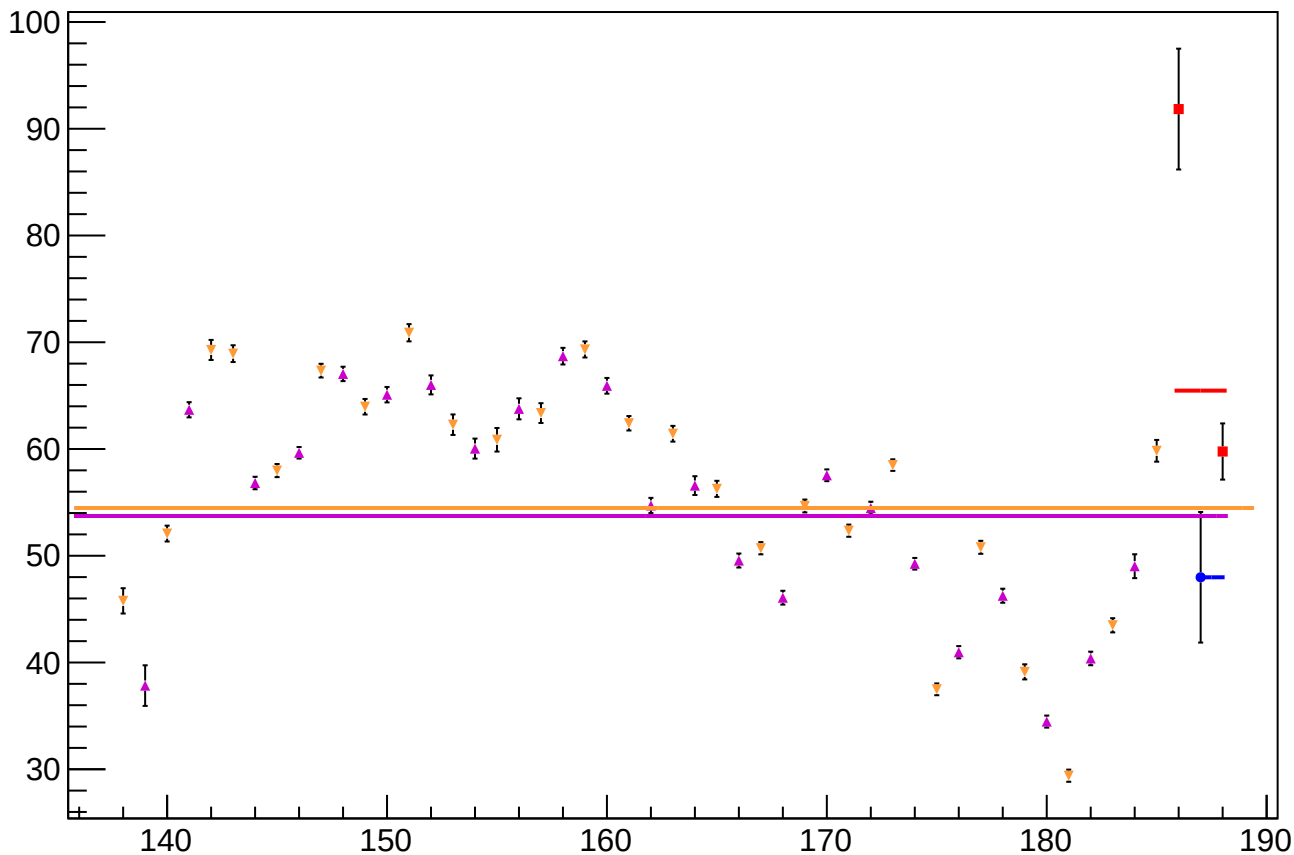
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -51.986 ± 0.157 χ^2/NDF : 20023.4/25

All: -52.190 ± 0.111 χ^2/NDF : 40729.1/50

- sign -52.395 ± 0.158 χ^2/NDF : 20702.3/24

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 47.983+/-6.117 χ^2/NDF : 0.0/0

Left Out: 54.476+/-0.140 χ^2/NDF : 6266.9/24

Right Out: 65.469+/-2.386 χ^2/NDF : 26.4/1

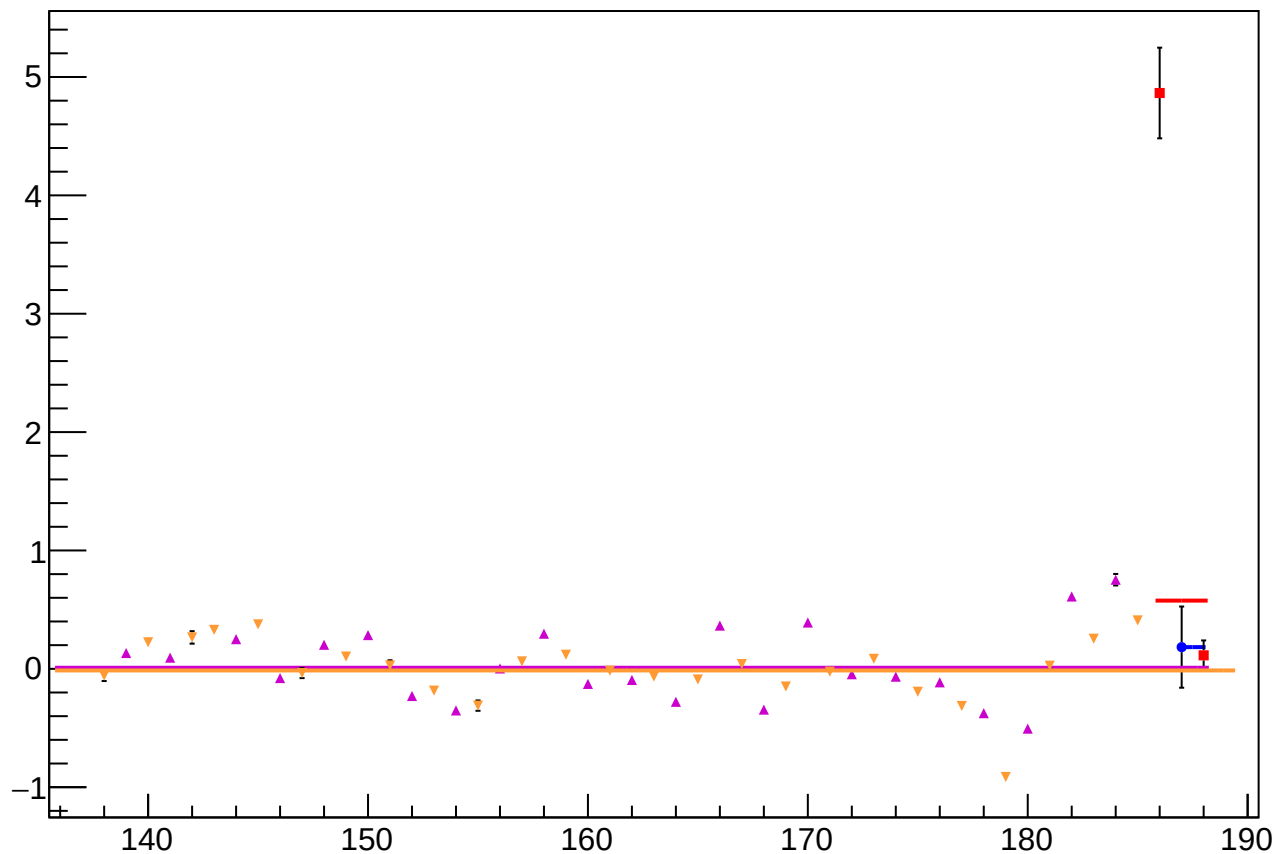
Left In: 53.724+/-0.143 χ^2/NDF : 4585.7/22

+ sign 54.473+/-0.140 χ^2/NDF : 6268.0/25

All: 54.126+/-0.100 χ^2/NDF : 10916.8/50

- sign 53.766+/-0.143 χ^2/NDF : 4636.3/24

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.183+/-0.343 χ^2/NDF : 0.0/0

Left Out: -0.014+/-0.006 χ^2/NDF : 1654.7/24

Right Out: 0.576+/-0.119 χ^2/NDF : 138.9/1

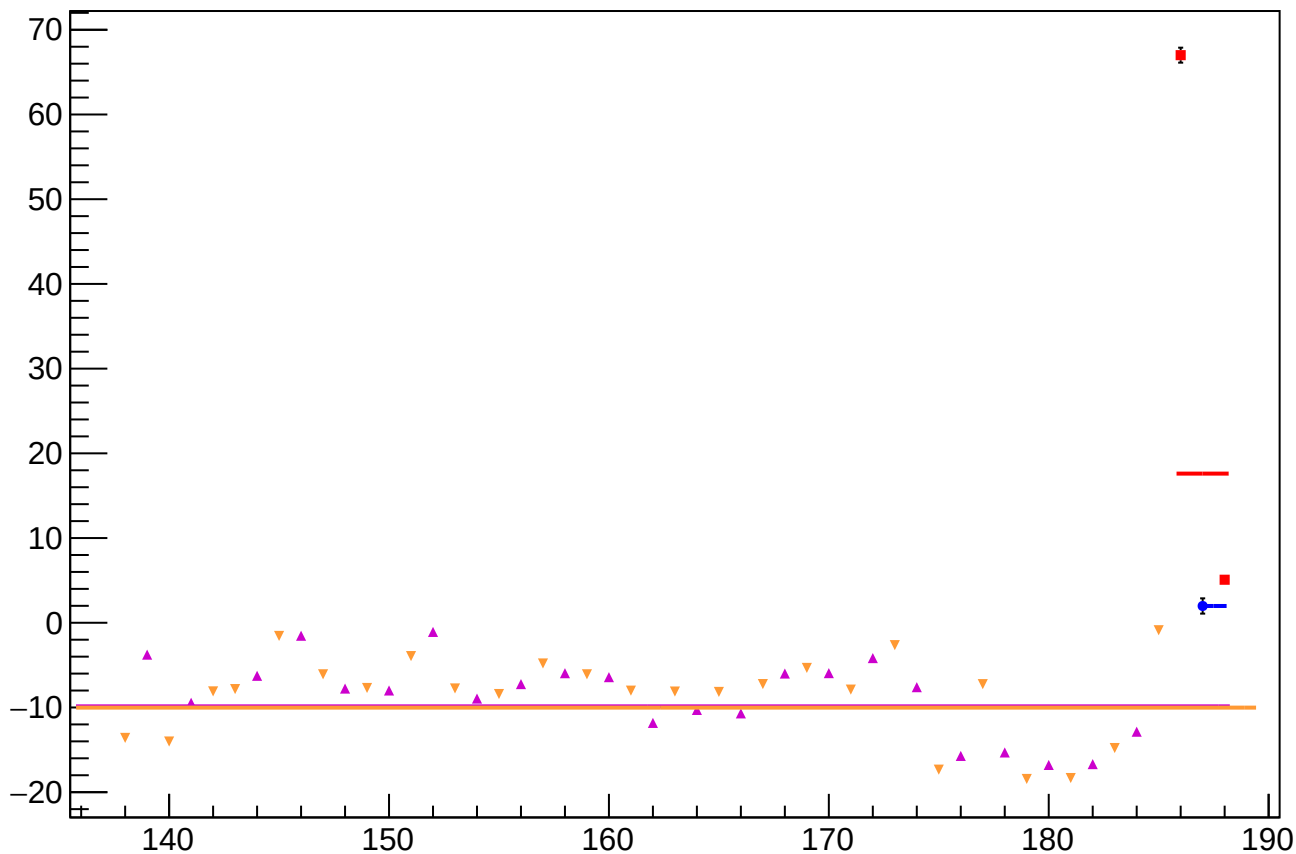
Left In: 0.009+/-0.007 χ^2/NDF : 2220.5/22

+ sign -0.014+/-0.006 χ^2/NDF : 1655.1/25

All: -0.002+/-0.005 χ^2/NDF : 4043.9/50

- sign 0.011+/-0.007 χ^2/NDF : 2381.9/24

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 1.981 ± 0.902 χ^2/NDF : 0.0/0

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: 17.607 ± 0.398 χ^2/NDF : 3906.7/1

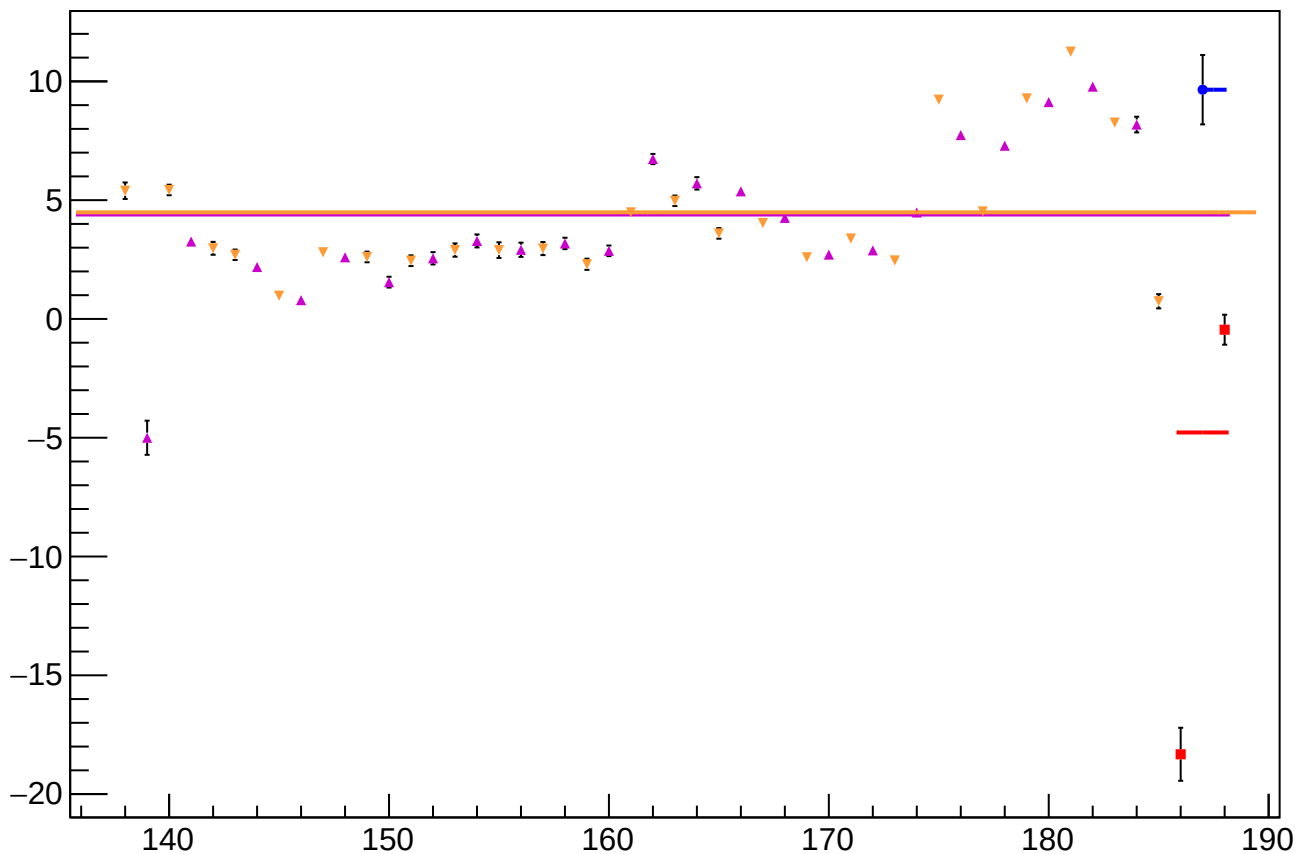
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.979 ± 0.051 χ^2/NDF : 12729.2/25

All: -9.699 ± 0.036 χ^2/NDF : 30729.7/50

- sign -9.415 ± 0.051 χ^2/NDF : 17938.7/24

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 9.649 $\pm$ 1.460 χ^2 /NDF: 0.0/0

Left Out: 4.489 $\pm$ 0.041 χ^2 /NDF: 4832.3/24

Right Out: -4.779 $\pm$ 0.549 χ^2 /NDF: 194.3/1

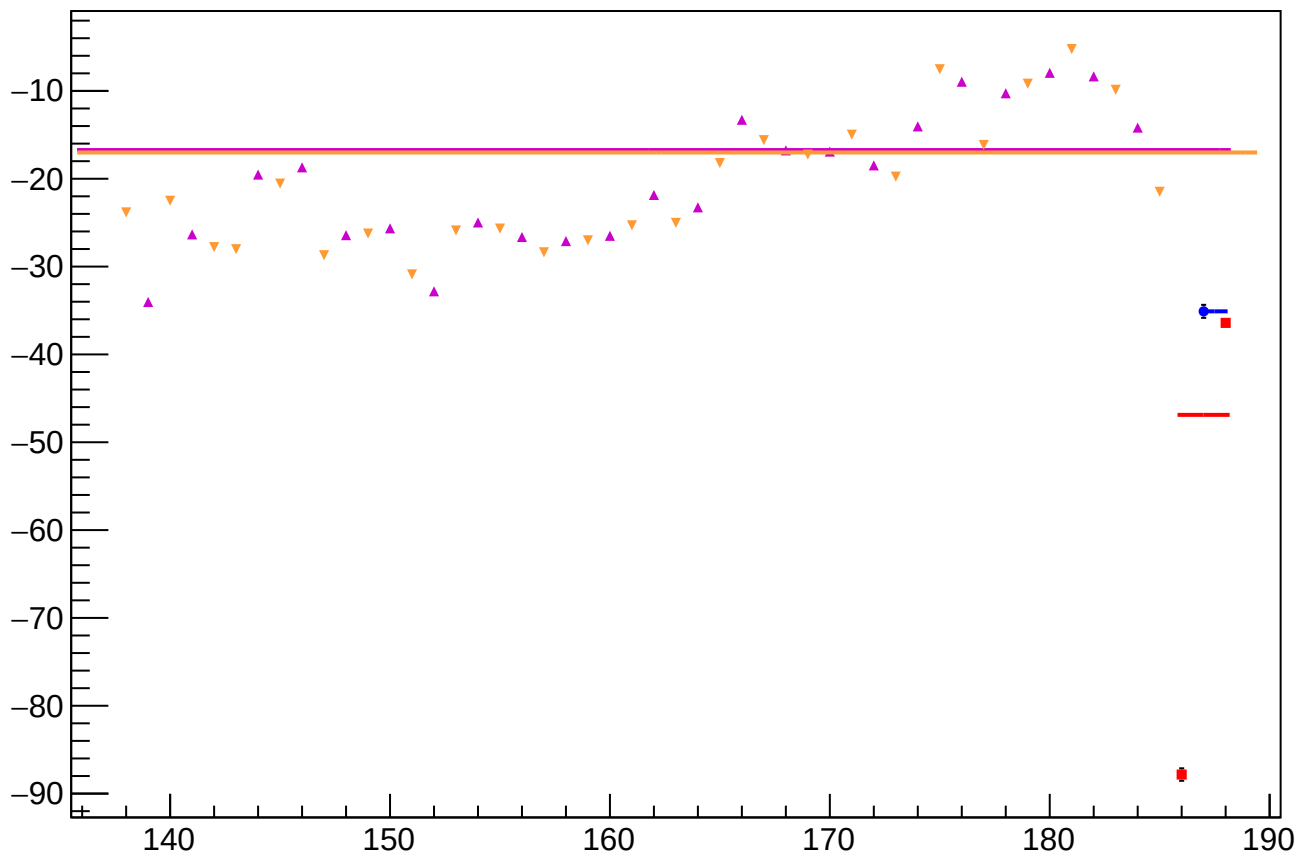
Left In: 4.396 $\pm$ 0.041 χ^2 /NDF: 4230.4/22

+ sign 4.493 $\pm$ 0.041 χ^2 /NDF: 4844.8/25

All: 4.419 $\pm$ 0.029 χ^2 /NDF: 9553.7/50

- sign 4.345 $\pm$ 0.041 χ^2 /NDF: 4702.3/24

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -35.096 $\pm$ 0.741 χ^2 /NDF: 0.0/0

Left Out: -17.008 $\pm$ 0.051 χ^2 /NDF: 22094.7/24

Right Out: -46.882 $\pm$ 0.321 χ^2 /NDF: 4166.7/1

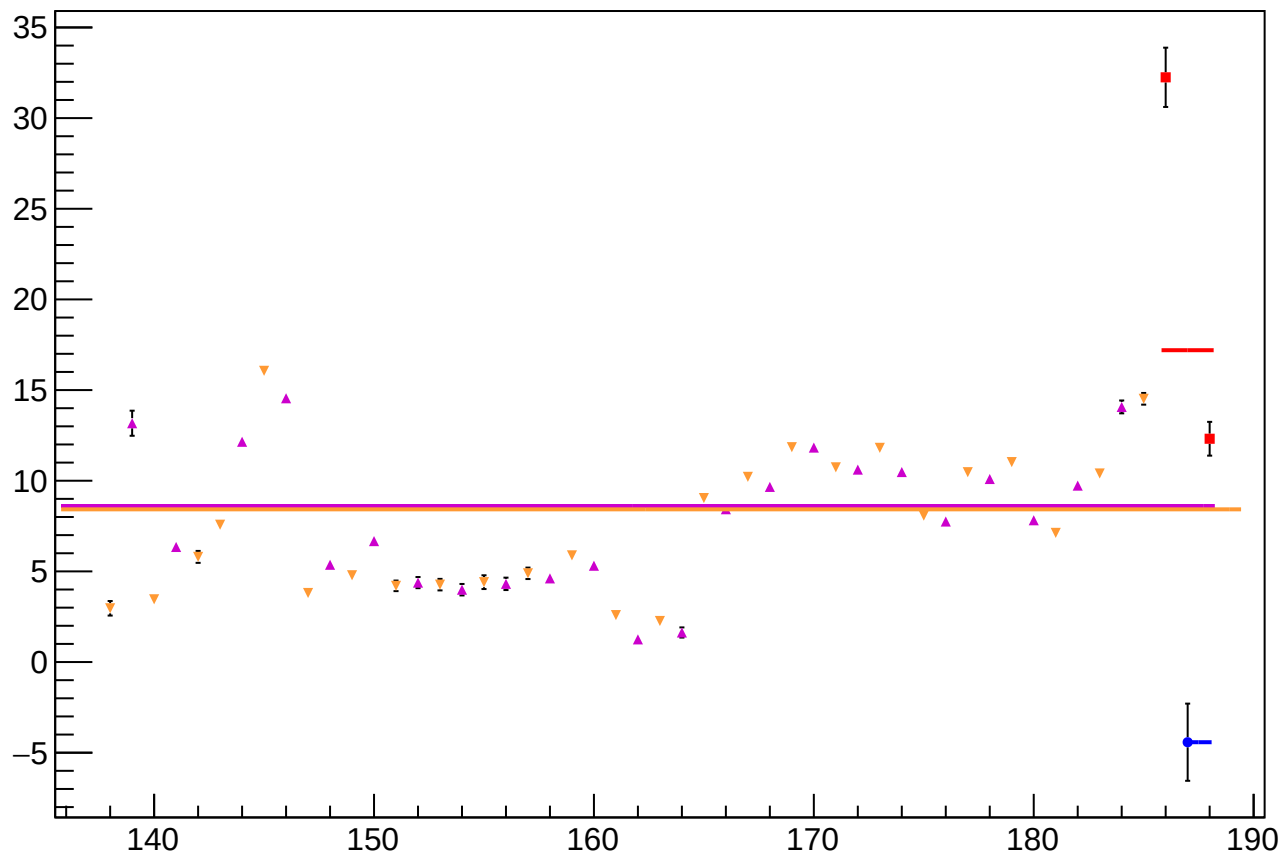
Left In: -16.732 $\pm$ 0.052 χ^2 /NDF: 18777.2/22

+ sign -17.094 $\pm$ 0.051 χ^2 /NDF: 22687.1/25

All: -17.292 $\pm$ 0.036 χ^2 /NDF: 54271.2/50

- sign -17.490 $\pm$ 0.051 χ^2 /NDF: 31553.8/24

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -4.422 ± 2.128 χ^2/NDF : 0.0/0

Left Out: 8.422 ± 0.046 χ^2/NDF : 6470.1/24

Right Out: 17.199 ± 0.809 χ^2/NDF : 112.2/1

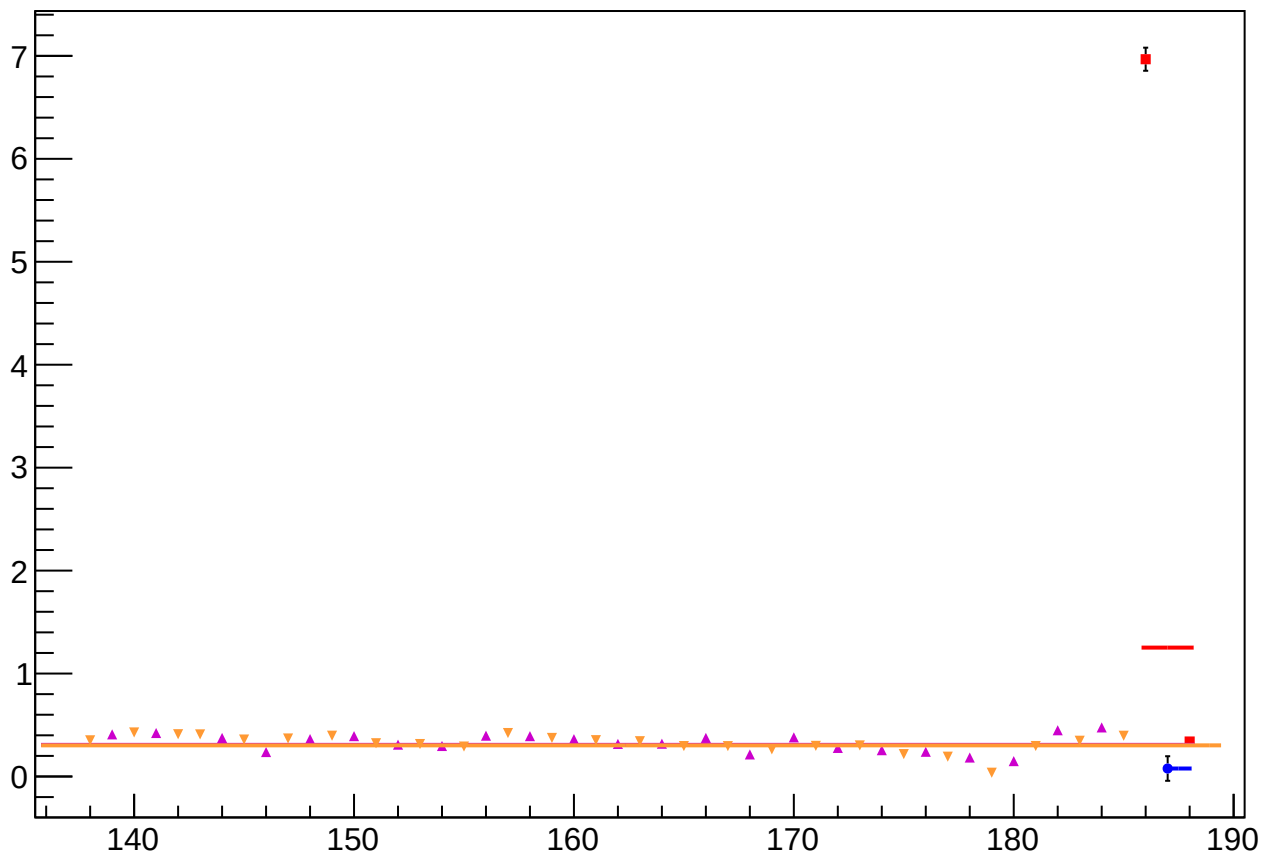
Left In: 8.606 ± 0.046 χ^2/NDF : 5504.2/22

+ sign 8.416 ± 0.046 χ^2/NDF : 6506.5/25

All: 8.524 ± 0.032 χ^2/NDF : 12246.6/50

- sign 8.634 ± 0.046 χ^2/NDF : 5728.8/24

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.078 $\pm$ 0.119 χ^2 /NDF: 0.0/0

Left Out: 0.302 $\pm$ 0.002 χ^2 /NDF:1590.9/24

Right Out: 1.252 $\pm$ 0.042 χ^2 /NDF: 3009.7/1

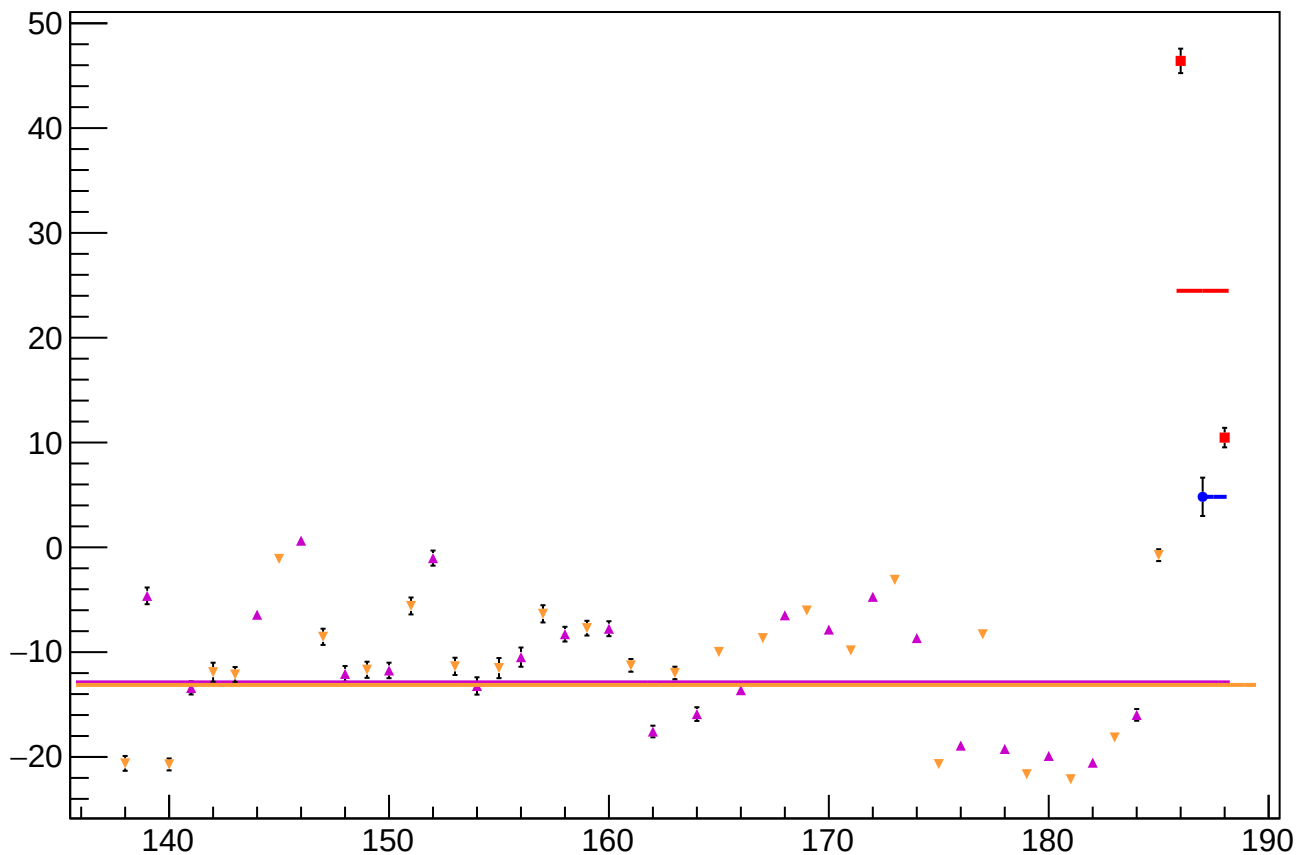
Left In: 0.307 $\pm$ 0.002 χ^2 /NDF:1699.5/22

+ sign 0.302 $\pm$ 0.002 χ^2 /NDF: 1594.5/25

All: 0.306 $\pm$ 0.001 χ^2 /NDF: 6823.6/50

- sign 0.310 $\pm$ 0.002 χ^2 /NDF: 5223.2/24

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 4.820 ± 1.829 χ^2/NDF : 0.0/0

Left Out: -13.125 ± 0.094 χ^2/NDF : 5977.6/24

Right Out: 24.477 ± 0.728 χ^2/NDF : 579.3/1

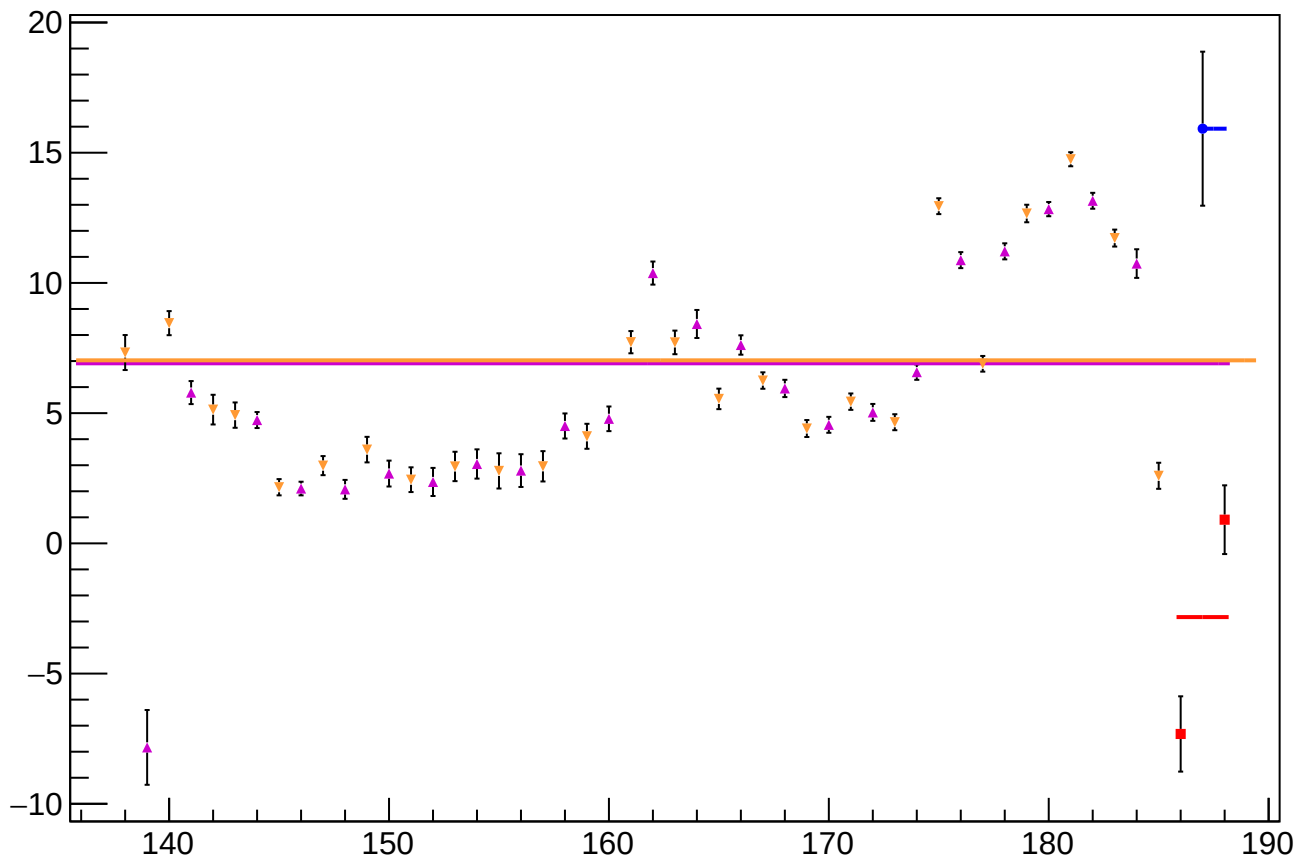
Left In: -12.885 ± 0.095 χ^2/NDF : 4776.2/22

+ sign -13.078 ± 0.094 χ^2/NDF : 6073.6/25

All: -12.672 ± 0.066 χ^2/NDF : 14055.5/50

- sign -12.259 ± 0.094 χ^2/NDF : 7943.8/24

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 15.923+/-2.957 χ^2 /NDF: 0.0/0

Left Out: 7.028+/-0.077 χ^2 /NDF:2665.3/24

Right Out: -2.831+/-0.975 χ^2 /NDF: 17.7/1

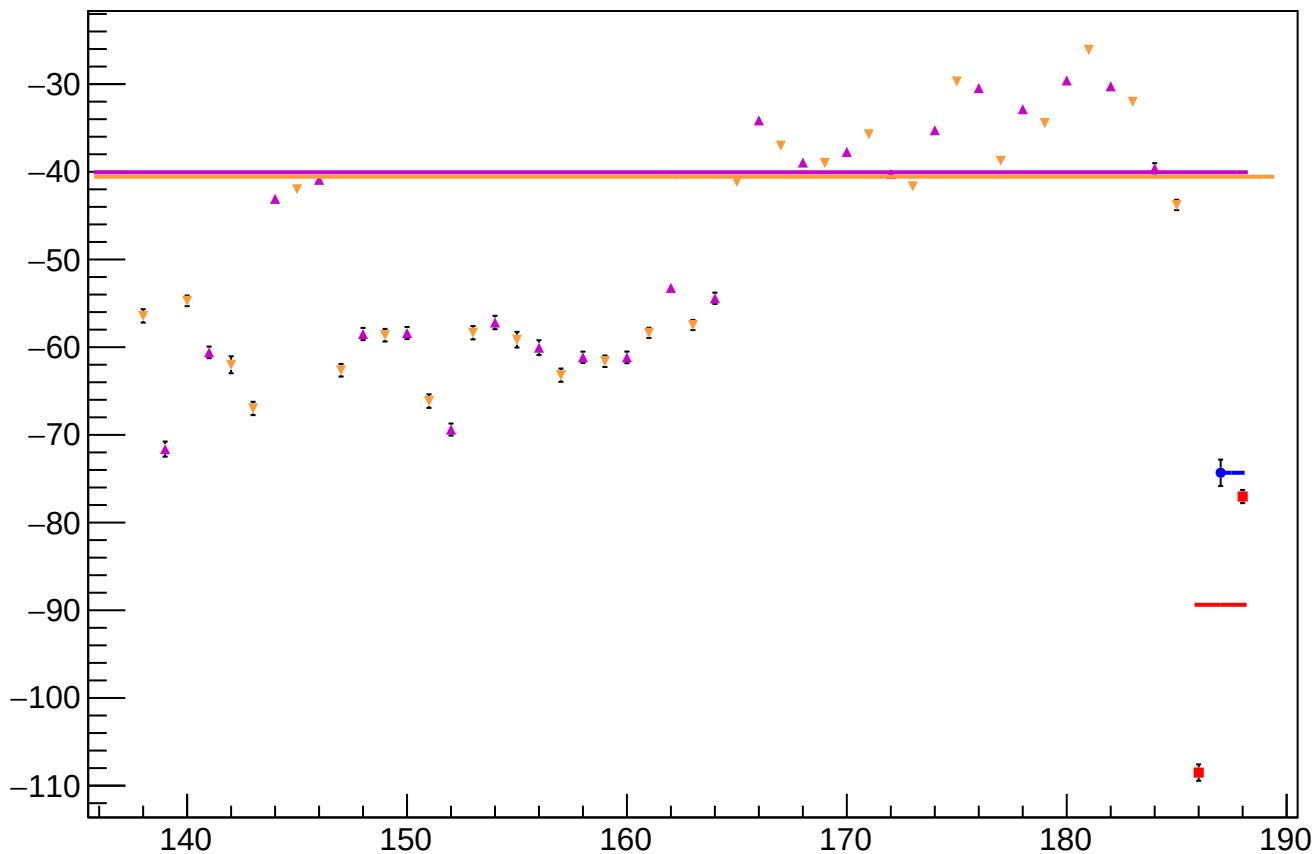
Left In: 6.914+/-0.078 χ^2 /NDF:2428.2/22

+ sign 7.034+/-0.077 χ^2 /NDF: 2674.4/25

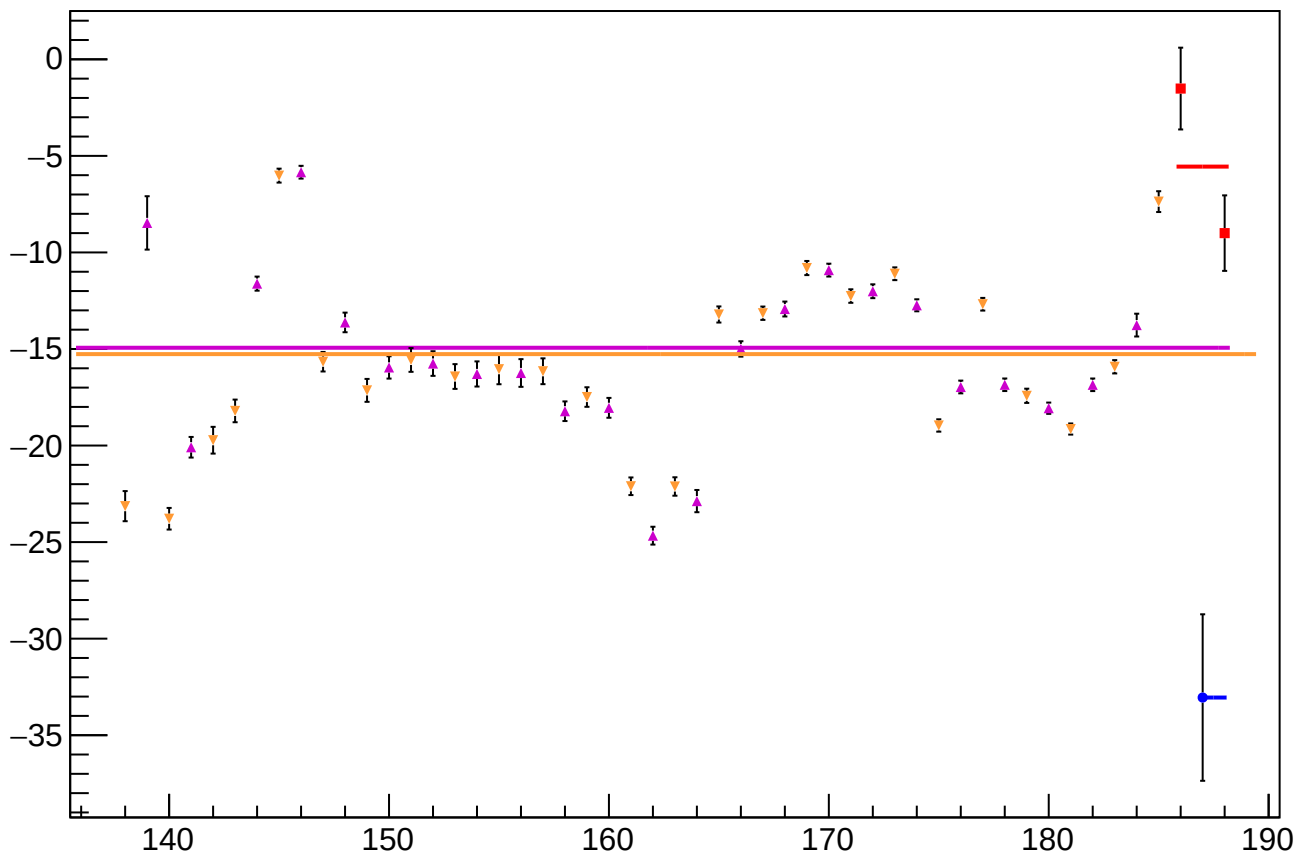
All: 6.943+/-0.055 χ^2 /NDF: 5222.4/50

- sign 6.852+/-0.078 χ^2 /NDF: 2545.3/24

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



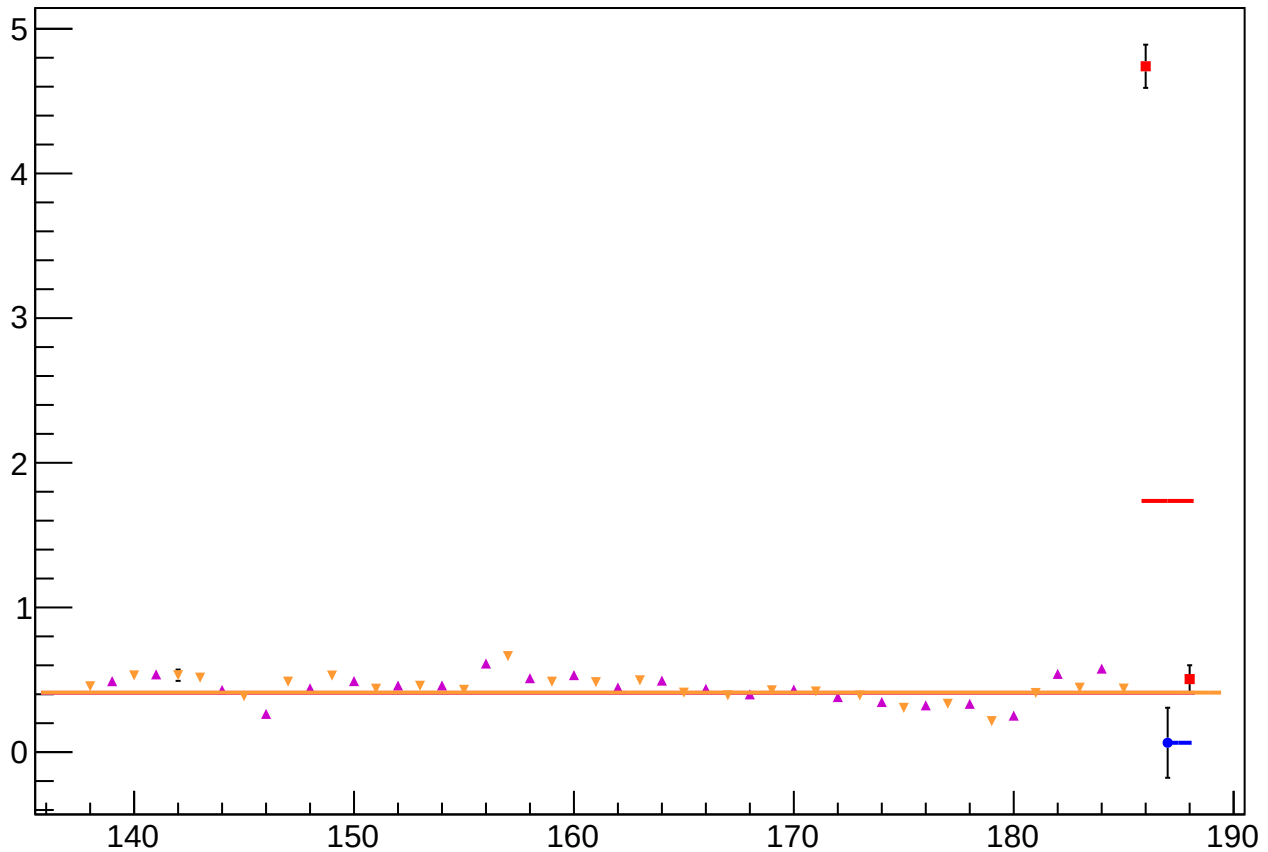
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -33.050 $\pm$ 4.311 χ^2 /NDF: 0.0/0
 Left Out: -15.266 $\pm$ 0.086 χ^2 /NDF:2595.5/24
 Right Out: -5.555 $\pm$ 1.436 χ^2 /NDF: 6.7/1
 Left In: -14.936 $\pm$ 0.087 χ^2 /NDF:2199.7/22

+ sign -15.273 $\pm$ 0.086 χ^2 /NDF: 2612.5/25
 All: -15.089 $\pm$ 0.061 χ^2 /NDF: 4870.6/50
 - sign -14.902 $\pm$ 0.087 χ^2 /NDF: 2248.9/24

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.065 $\pm$ 0.242 χ^2 /NDF: 0.0/0

Left Out: 0.411 $\pm$ 0.004 χ^2 /NDF: 428.7/24

Right Out: 1.736 $\pm$ 0.081 χ^2 /NDF: 570.4/1

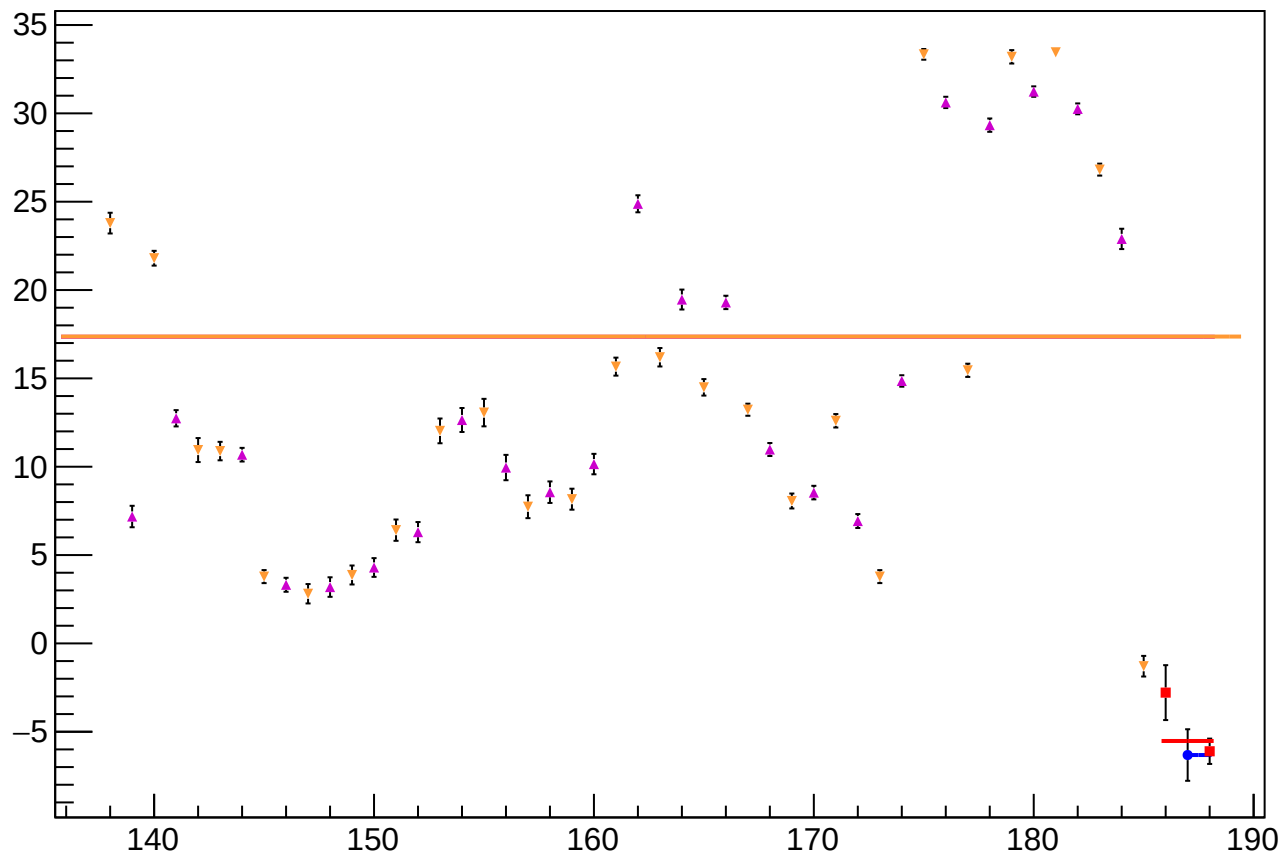
Left In: 0.409 $\pm$ 0.004 χ^2 /NDF: 557.8/22

+ sign 0.411 $\pm$ 0.004 χ^2 /NDF: 430.7/25

All: 0.412 $\pm$ 0.003 χ^2 /NDF: 1829.9/50

- sign 0.413 $\pm$ 0.004 χ^2 /NDF: 1399.1/24

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: -6.318 ± 1.459 χ^2/NDF : 0.0/0

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: -5.523 ± 0.651 χ^2/NDF : 3.8/1

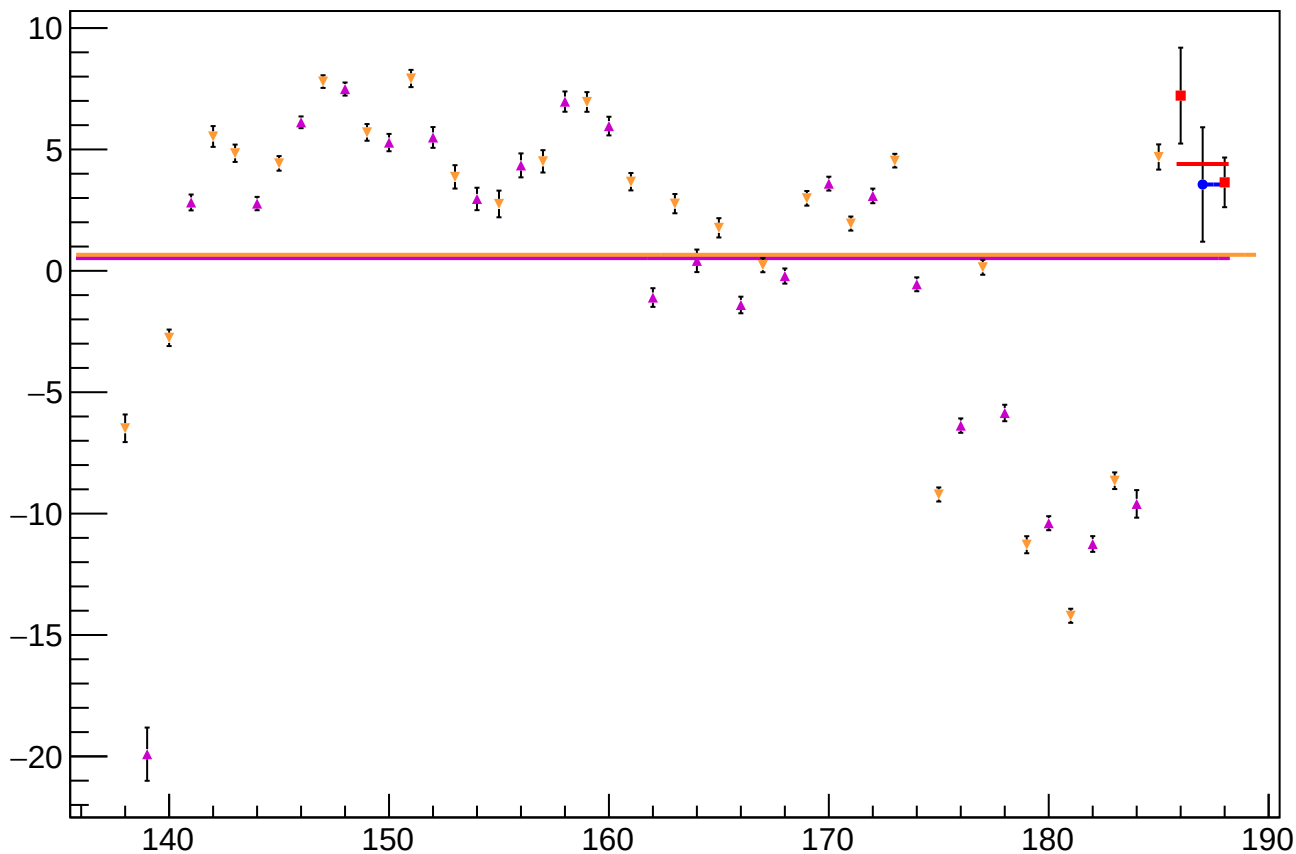
Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

+ sign 17.283 ± 0.087 χ^2/NDF : 16600.4/25

All: 17.112 ± 0.062 χ^2/NDF : 30570.0/50

- sign 16.936 ± 0.088 χ^2/NDF : 13961.8/24

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 3.556 ± 2.357 χ^2/NDF : 0.0/0

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: 4.400 ± 0.908 χ^2/NDF : 2.6/1

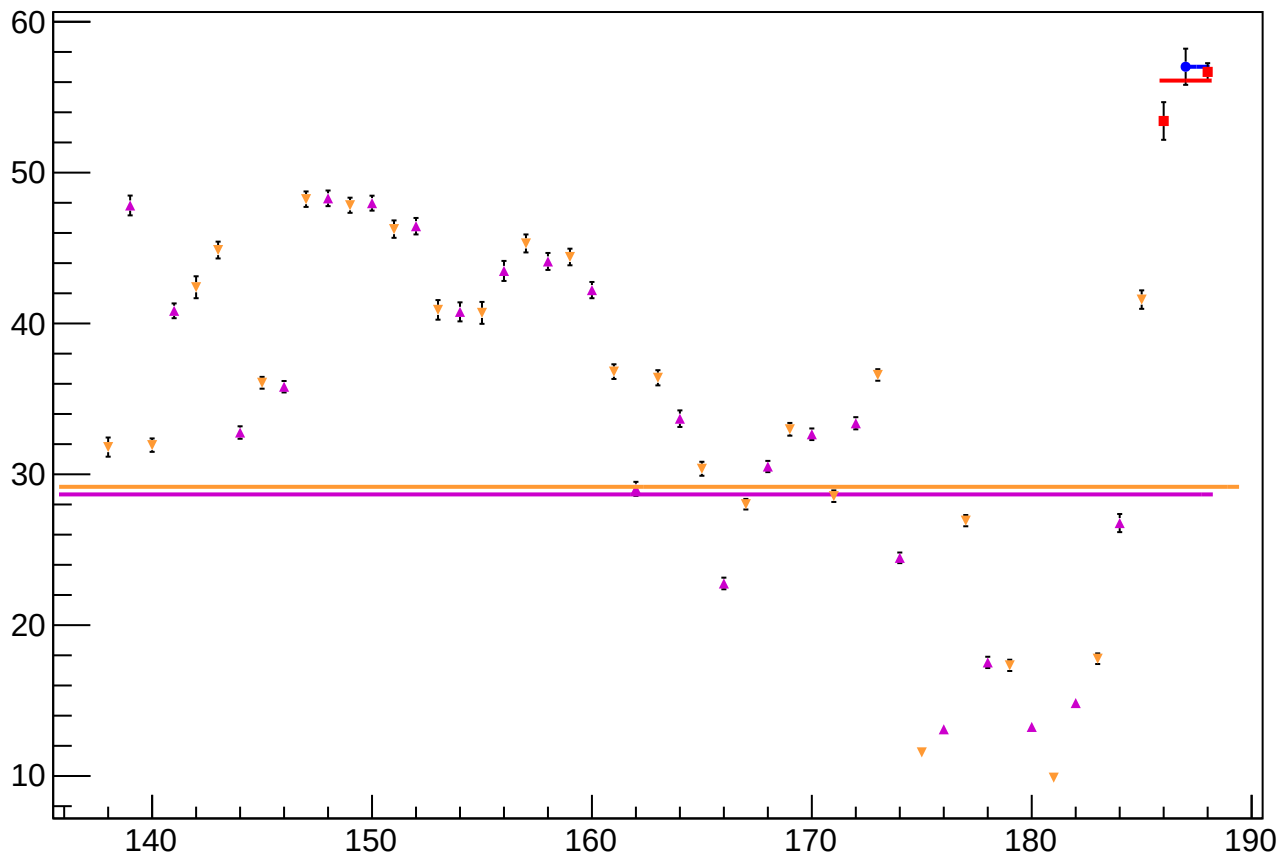
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.663 ± 0.069 χ^2/NDF : 8555.4/25

All: 0.606 ± 0.049 χ^2/NDF : 15307.1/50

- sign 0.547 ± 0.071 χ^2/NDF : 6750.4/24

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 57.019 $\pm$ 1.199 χ^2 /NDF: 0.0/0

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 56.102 $\pm$ 0.525 χ^2 /NDF: 5.6/1

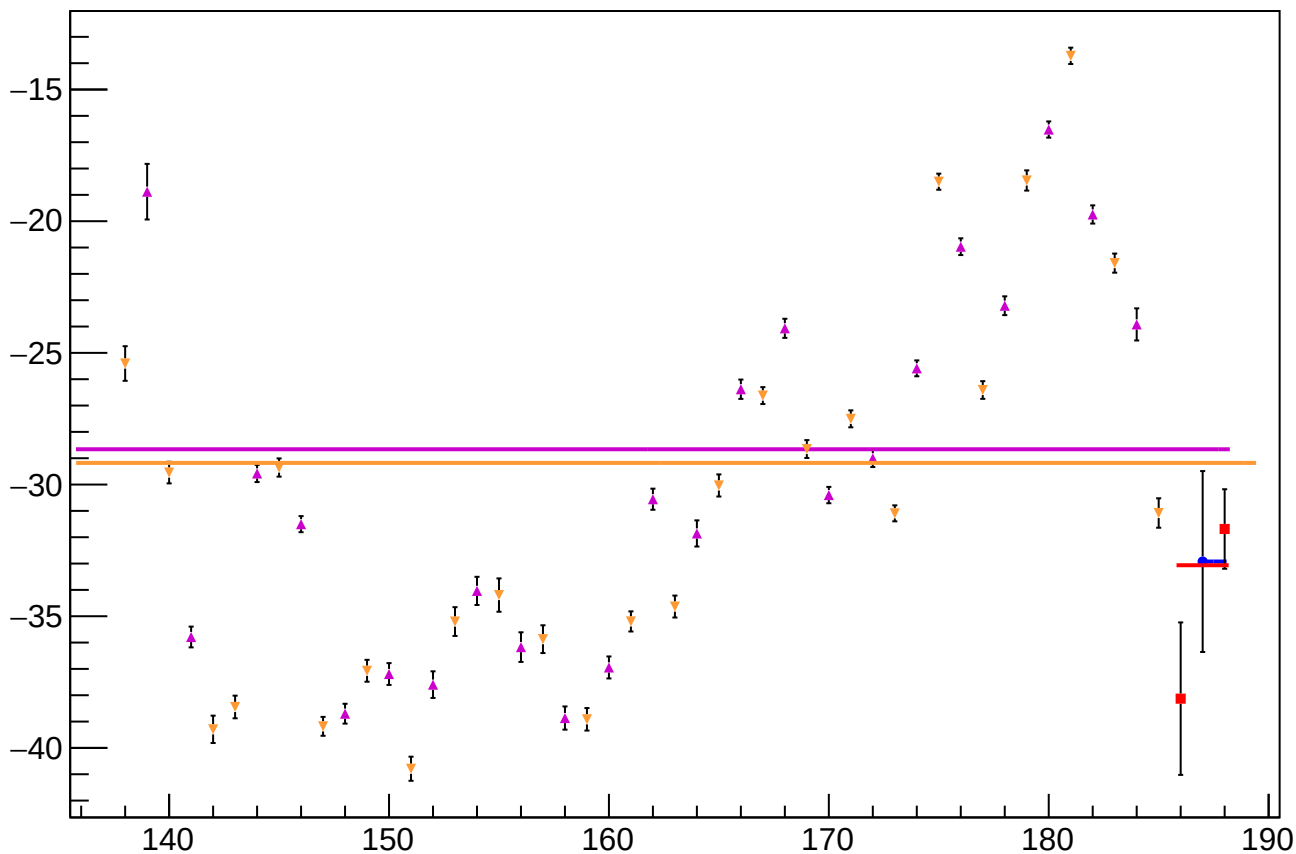
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 29.319 $\pm$ 0.088 χ^2 /NDF: 19511.2/25

All: 29.377 $\pm$ 0.062 χ^2 /NDF: 39020.2/50

- sign 29.436 $\pm$ 0.088 χ^2 /NDF: 19508.1/24

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -32.923 ± 3.435 χ^2/NDF : 0.0/0

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -33.064 ± 1.338 χ^2/NDF : 3.9/1

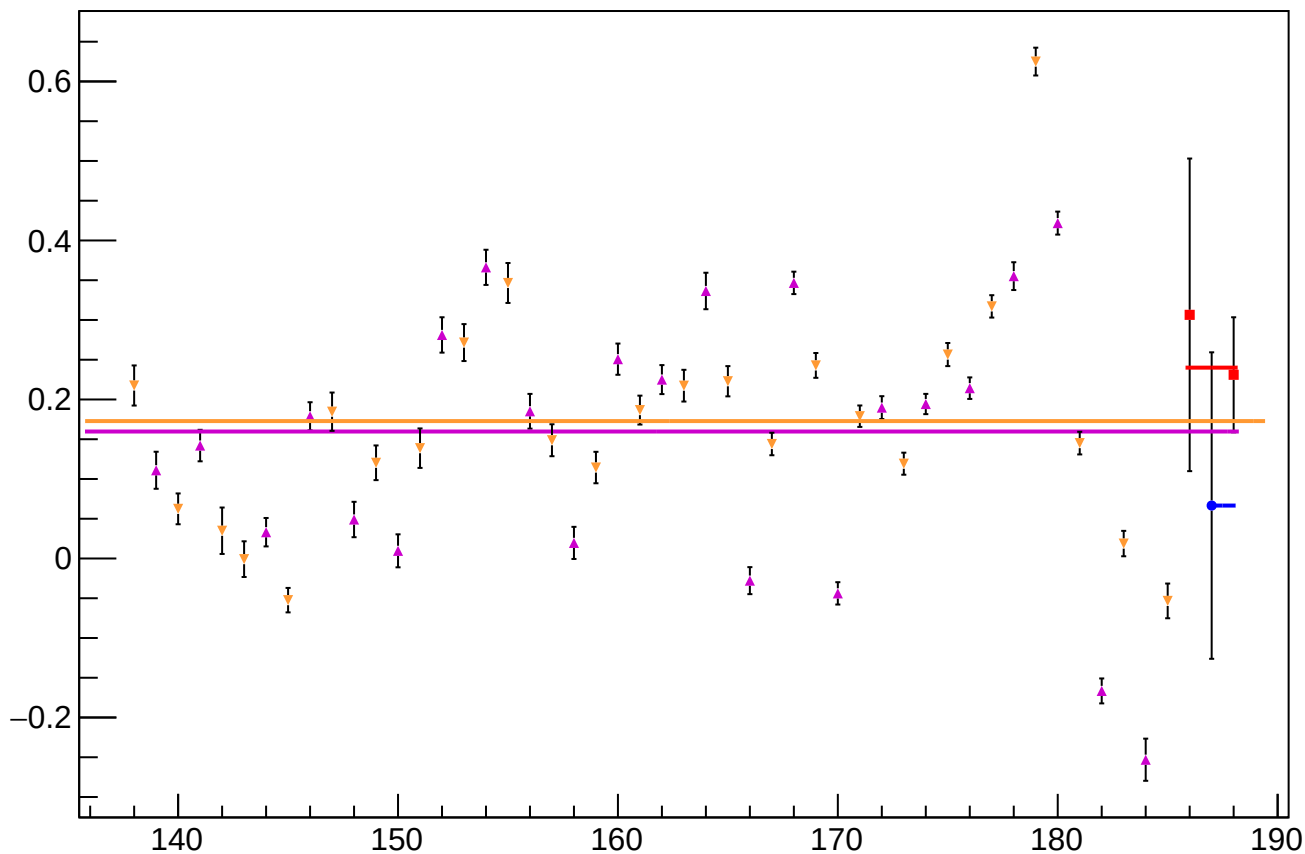
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -29.180 ± 0.078 χ^2/NDF : 9082.6/25

All: -28.933 ± 0.056 χ^2/NDF : 15787.8/50

- sign -28.676 ± 0.080 χ^2/NDF : 6684.8/24

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.067 ± 0.193 χ^2/NDF : 0.0/0

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.240 ± 0.068 χ^2/NDF : 0.1/1

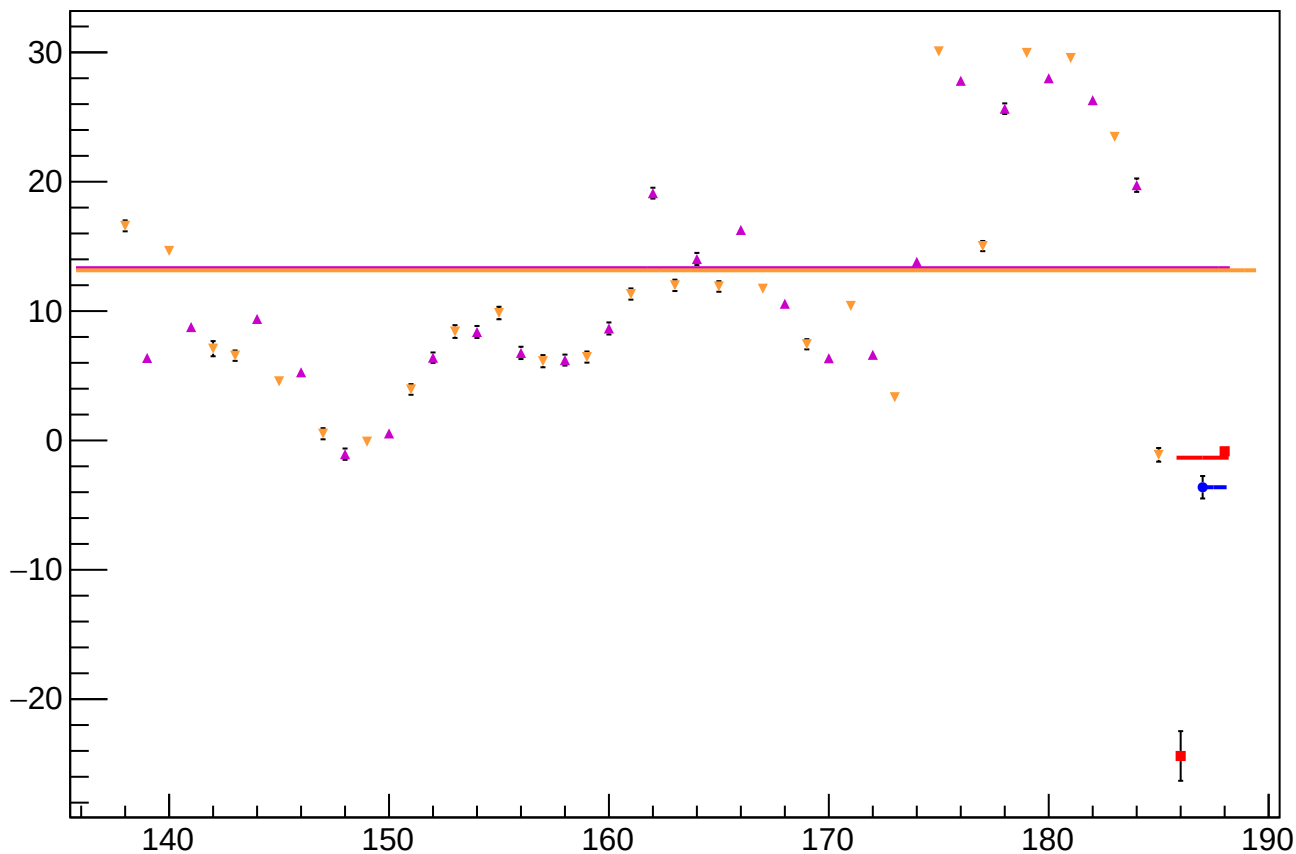
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.173 ± 0.004 χ^2/NDF : 1478.8/25

All: 0.166 ± 0.003 χ^2/NDF : 3544.5/50

- sign 0.160 ± 0.004 χ^2/NDF : 2059.4/24

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: -3.618 ± 0.867 χ^2/NDF : 0.0/0

Left Out: 13.153 ± 0.075 χ^2/NDF : 17079.7/24

Right Out: -1.333 ± 0.279 χ^2/NDF : 147.5/1

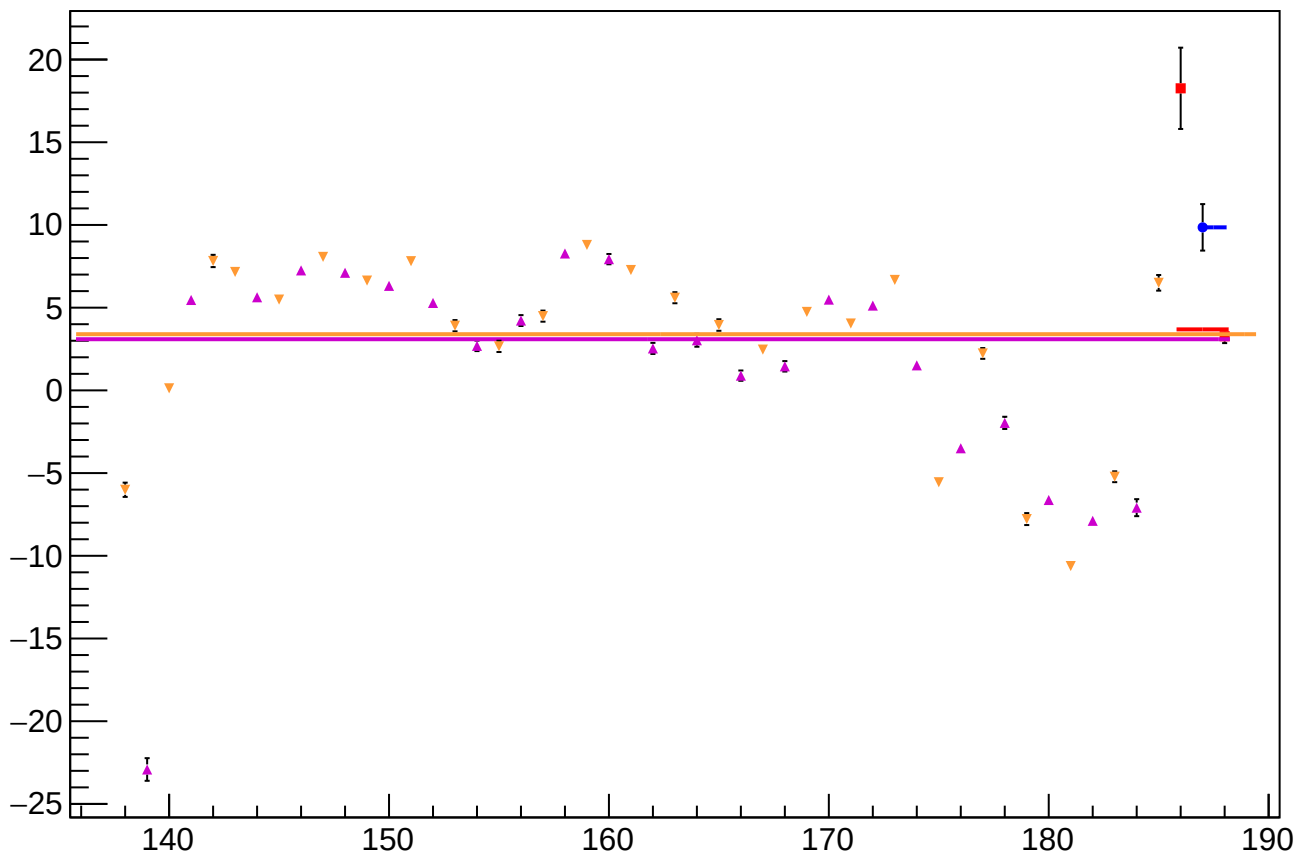
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 13.028 ± 0.075 χ^2/NDF : 17450.9/25

All: 12.649 ± 0.053 χ^2/NDF : 34188.7/50

- sign 12.275 ± 0.074 χ^2/NDF : 16687.0/24

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 9.855 ± 1.405 χ^2/NDF : 0.0/0

Left Out: 3.396 ± 0.058 χ^2/NDF : 8101.5/24

Right Out: 3.687 ± 0.409 χ^2/NDF : 36.2/1

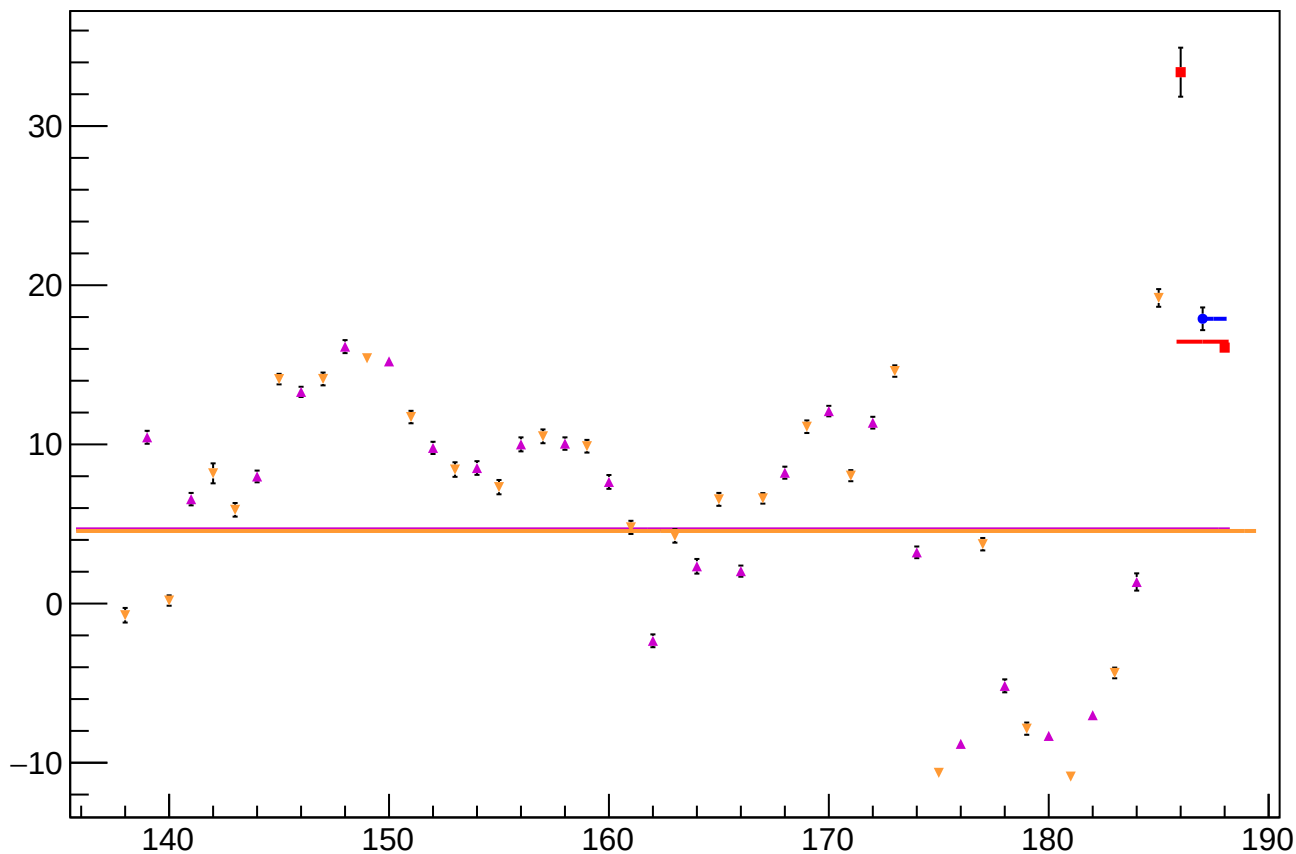
Left In: 3.092 ± 0.061 χ^2/NDF : 7104.4/22

+ sign 3.407 ± 0.058 χ^2/NDF : 8122.6/25

All: 3.260 ± 0.042 χ^2/NDF : 15278.3/50

- sign 3.105 ± 0.060 χ^2/NDF : 7142.6/24

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 17.892 ± 0.713 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 4.561 ± 0.075 $\chi^2/\text{NDF}: 13592.1/24$

Right Out: 16.453 ± 0.226 $\chi^2/\text{NDF}: 123.5/1$

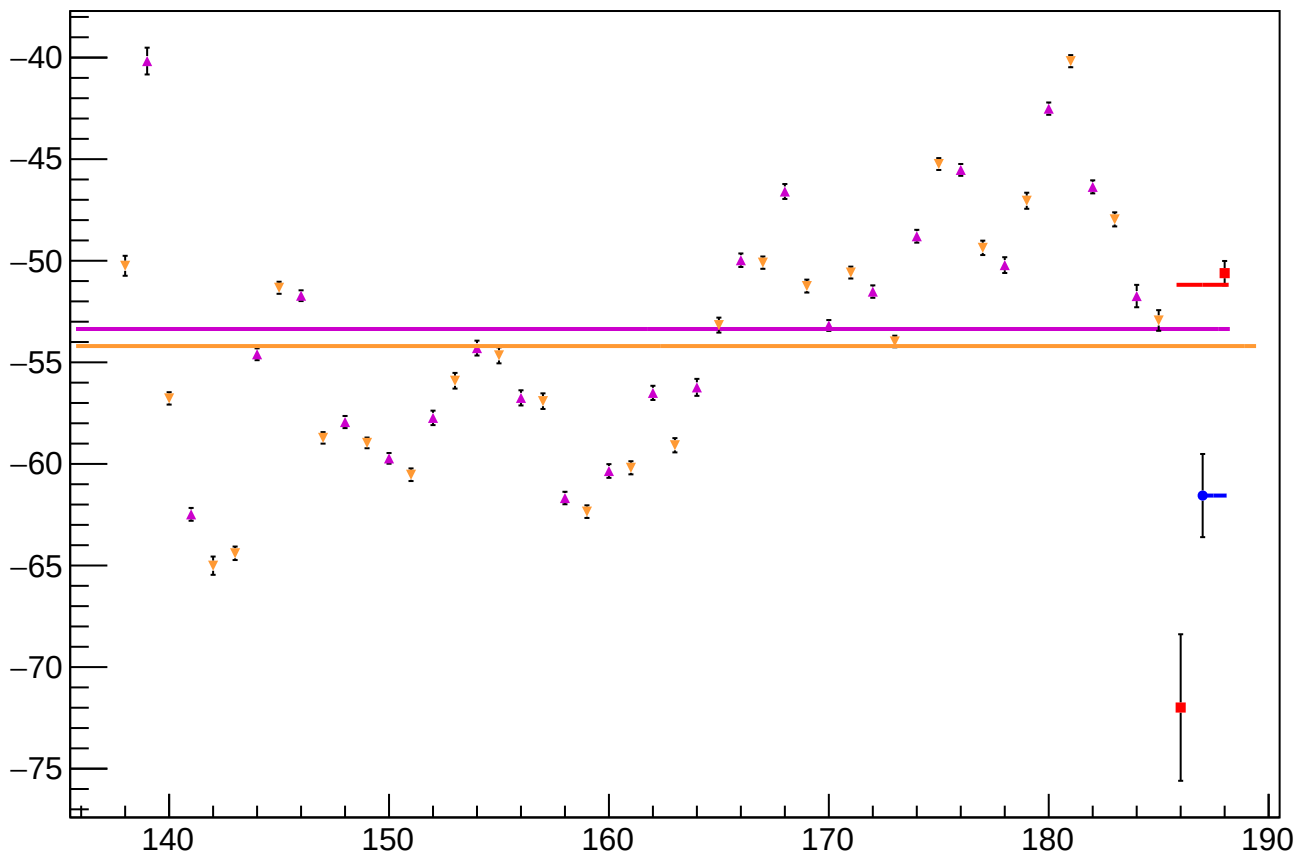
Left In: 4.662 ± 0.077 $\chi^2/\text{NDF}: 11281.5/22$

+ sign 4.708 ± 0.075 $\chi^2/\text{NDF}: 13937.5/25$

All: 5.312 ± 0.052 $\chi^2/\text{NDF}: 27905.0/50$

- sign 5.881 ± 0.073 $\chi^2/\text{NDF}: 13841.4/24$

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -61.557 ± 2.047 χ^2/NDF : 0.0/0

Left Out: -54.199 ± 0.066 χ^2/NDF : 8467.7/25

Right Out: -51.184 ± 0.591 χ^2/NDF : 34.2/1

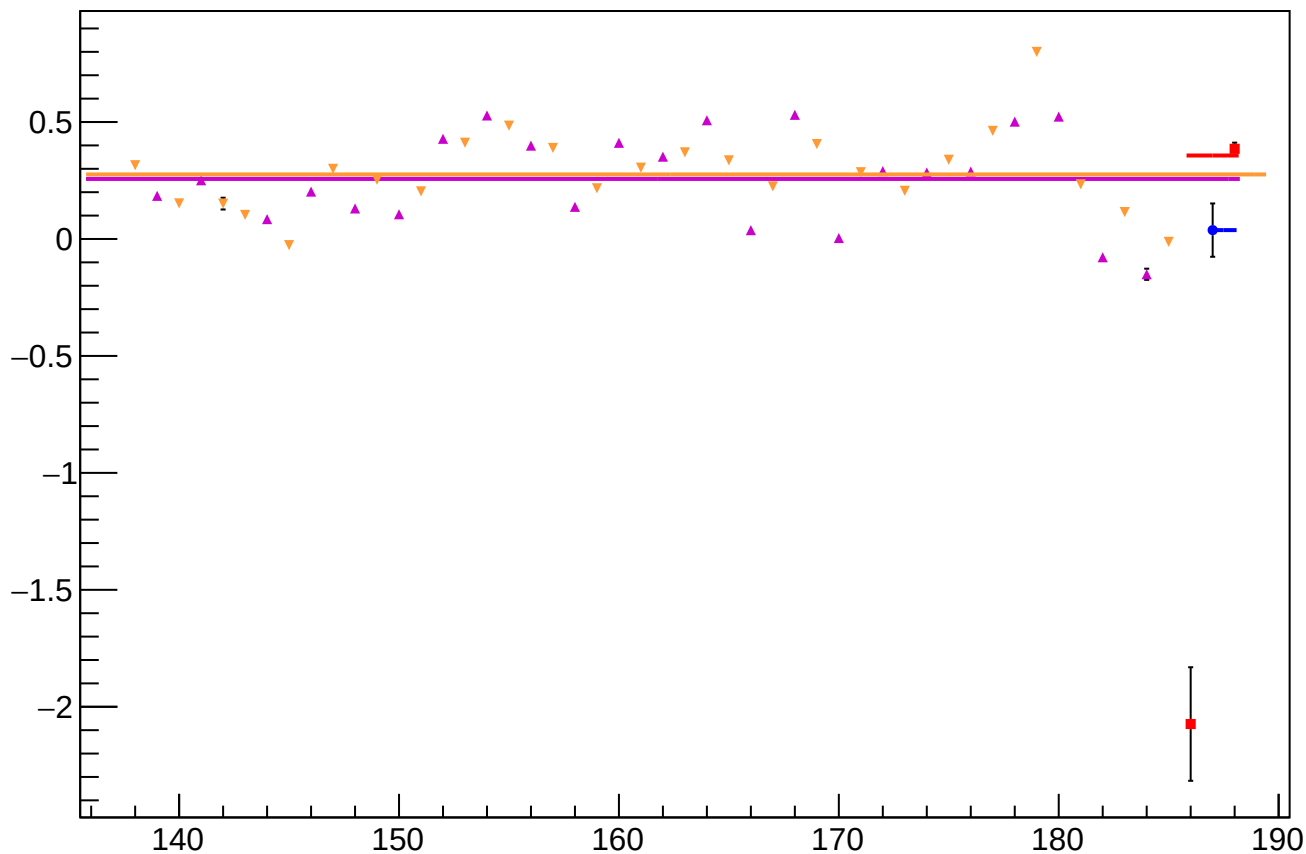
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -54.207 ± 0.066 χ^2/NDF : 8467.7/25

All: -53.779 ± 0.048 χ^2/NDF : 15482.3/50

- sign -53.330 ± 0.068 χ^2/NDF : 6929.6/24

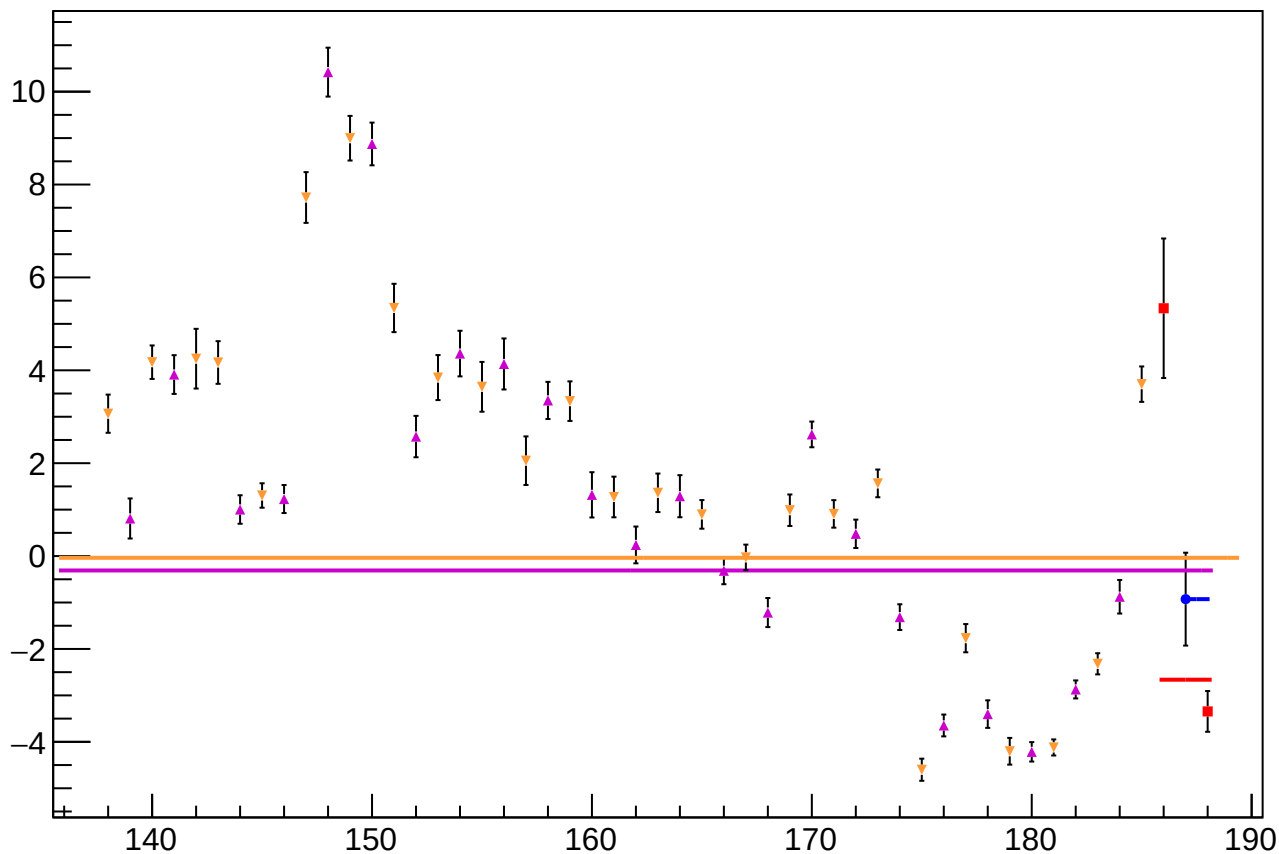
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.038 $\pm$ 0.114 χ^2 /NDF: 0.0/0
 Left Out: 0.276 $\pm$ 0.003 χ^2 /NDF:2623.6/24
 Right Out: 0.357 $\pm$ 0.026 χ^2 /NDF: 101.4/1
 Left In: 0.257 $\pm$ 0.003 χ^2 /NDF:3623.9/22

+ sign 0.276 $\pm$ 0.003 χ^2 /NDF: 2627.9/25
 All: 0.267 $\pm$ 0.002 χ^2 /NDF: 6384.3/50
 - sign 0.258 $\pm$ 0.003 χ^2 /NDF: 3739.7/24

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.927+/-1.000 χ^2 /NDF: 0.0/0

Left Out: -0.037+/-0.066 χ^2 /NDF:2637.7/24

Right Out: -2.662+/-0.421 χ^2 /NDF: 30.8/1

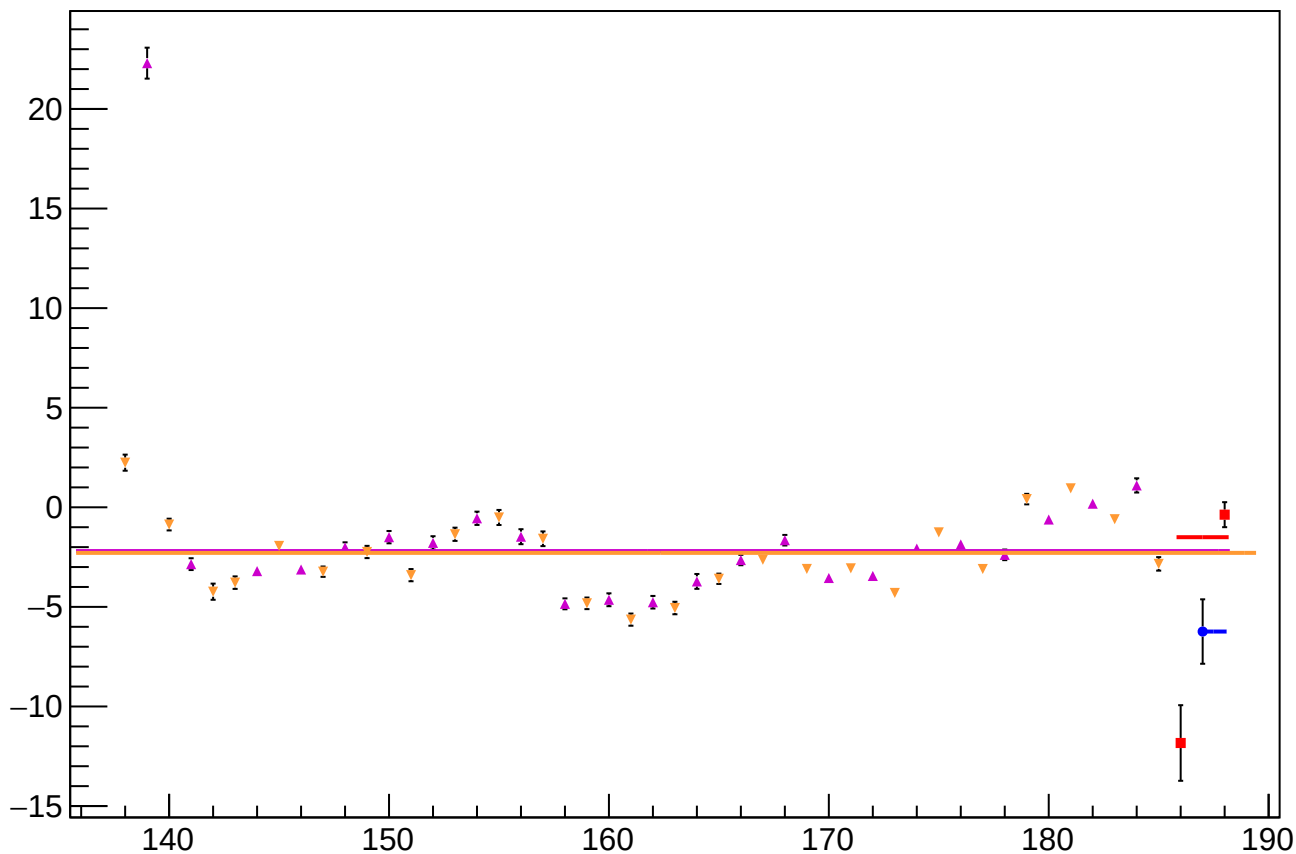
Left In: -0.310+/-0.067 χ^2 /NDF:2250.5/22

+ sign -0.041+/-0.066 χ^2 /NDF: 2638.4/25

All: -0.203+/-0.047 χ^2 /NDF: 4962.3/50

- sign -0.369+/-0.066 χ^2 /NDF: 2311.6/24

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -6.238+/-1.618 χ^2 /NDF: 0.0/0

Left Out: -2.288+/-0.054 χ^2 /NDF:1137.7/24

Right Out: -1.501+/-0.596 χ^2 /NDF: 32.9/1

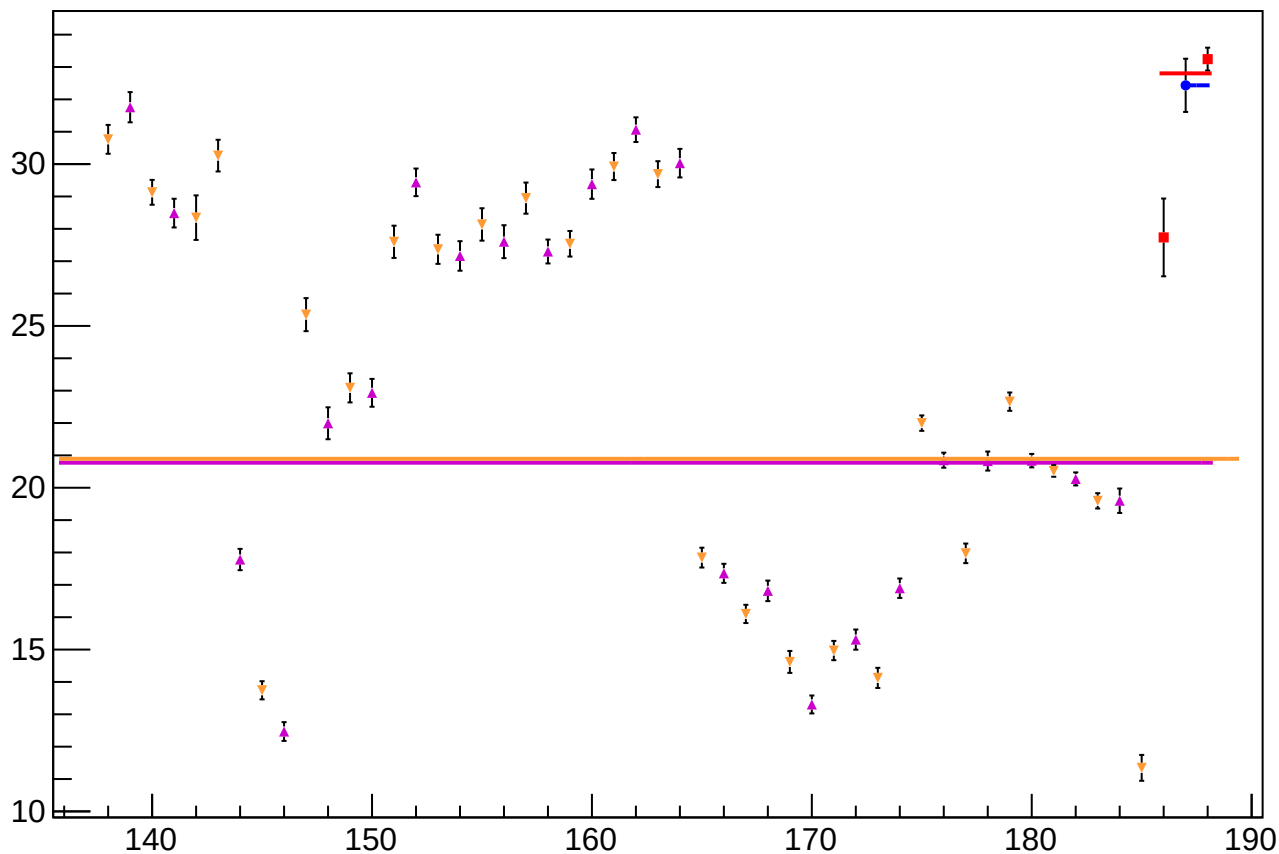
Left In: -2.198+/-0.055 χ^2 /NDF:1673.9/22

+ sign -2.292+/-0.054 χ^2 /NDF: 1143.7/25

All: -2.243+/-0.039 χ^2 /NDF: 2853.5/50

- sign -2.192+/-0.055 χ^2 /NDF: 1708.1/24

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 32.434 $\pm$ 0.822 χ^2 /NDF: 0.0/0

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF:6655.4/24

Right Out: 32.804 $\pm$ 0.340 χ^2 /NDF: 19.3/1

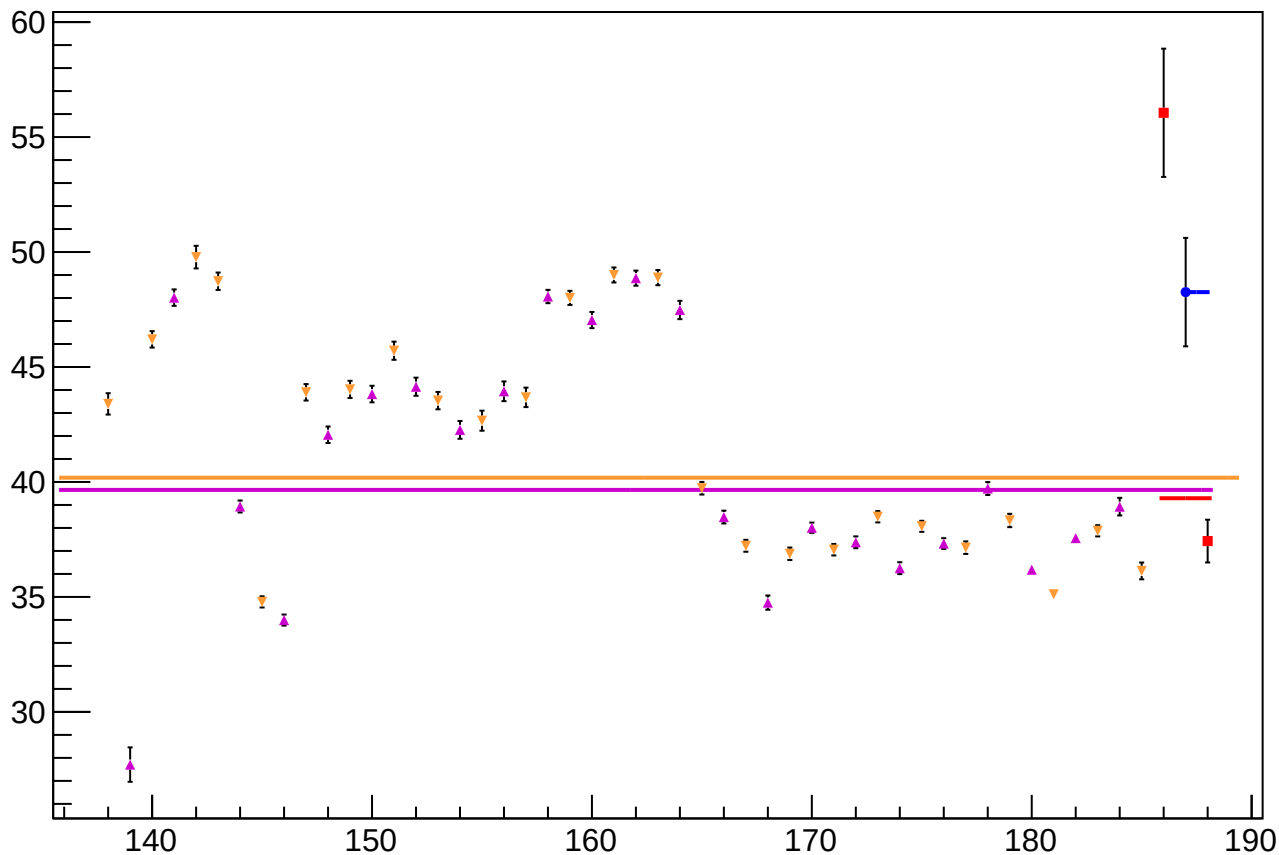
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22

+ sign 20.970 $\pm$ 0.066 χ^2 /NDF: 6851.1/25

All: 21.101 $\pm$ 0.047 χ^2 /NDF: 14013.6/50

- sign 21.232 $\pm$ 0.066 χ^2 /NDF: 7154.7/24

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 48.257 $\pm$ 2.358 χ^2 /NDF: 0.0/0

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 39.293 $\pm$ 0.882 χ^2 /NDF: 40.1/1

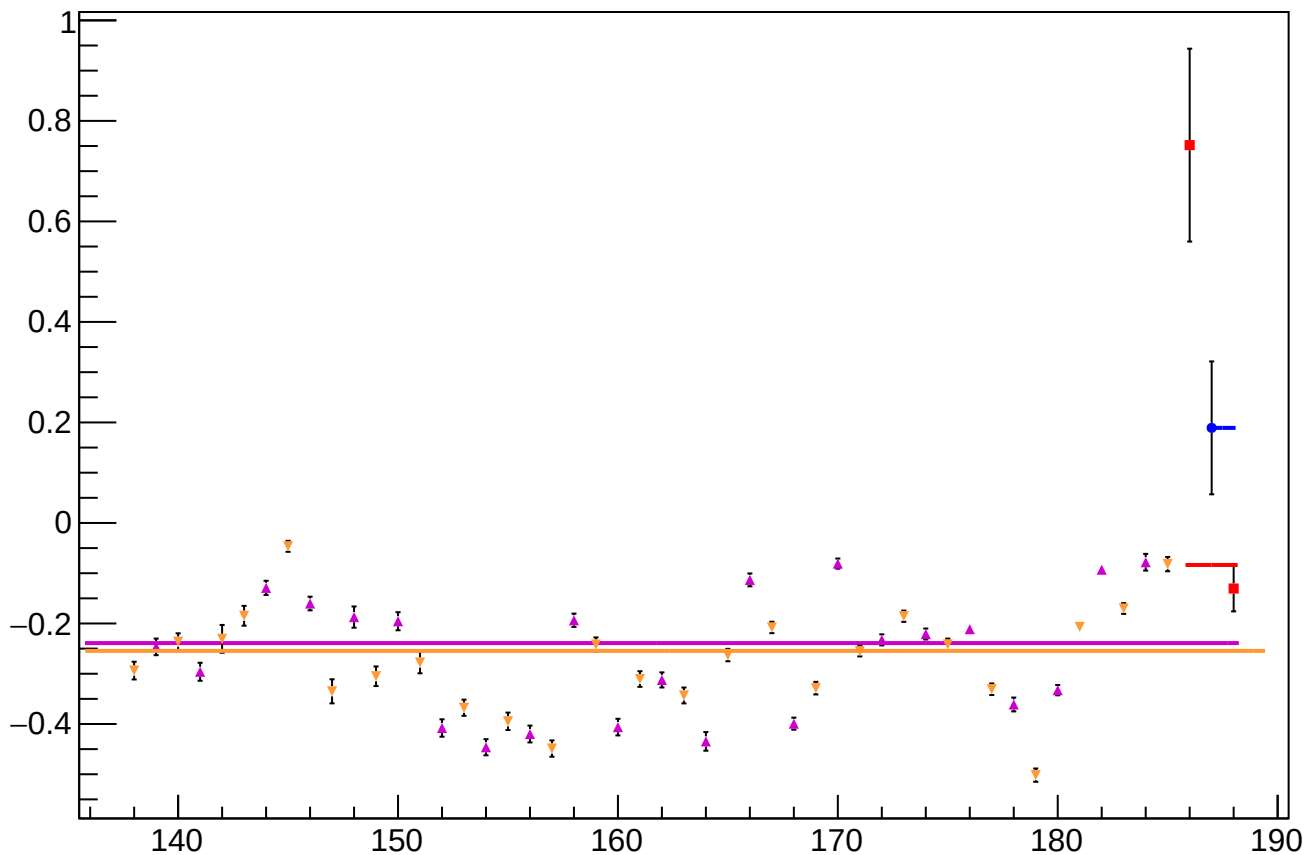
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 40.191 $\pm$ 0.060 χ^2 /NDF: 5944.4/25

All: 39.926 $\pm$ 0.043 χ^2 /NDF: 11322.4/50

- sign 39.653 $\pm$ 0.061 χ^2 /NDF: 5338.9/24

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.189 ± 0.132 χ^2/NDF : 0.0/0

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.084 ± 0.044 χ^2/NDF : 20.0/1

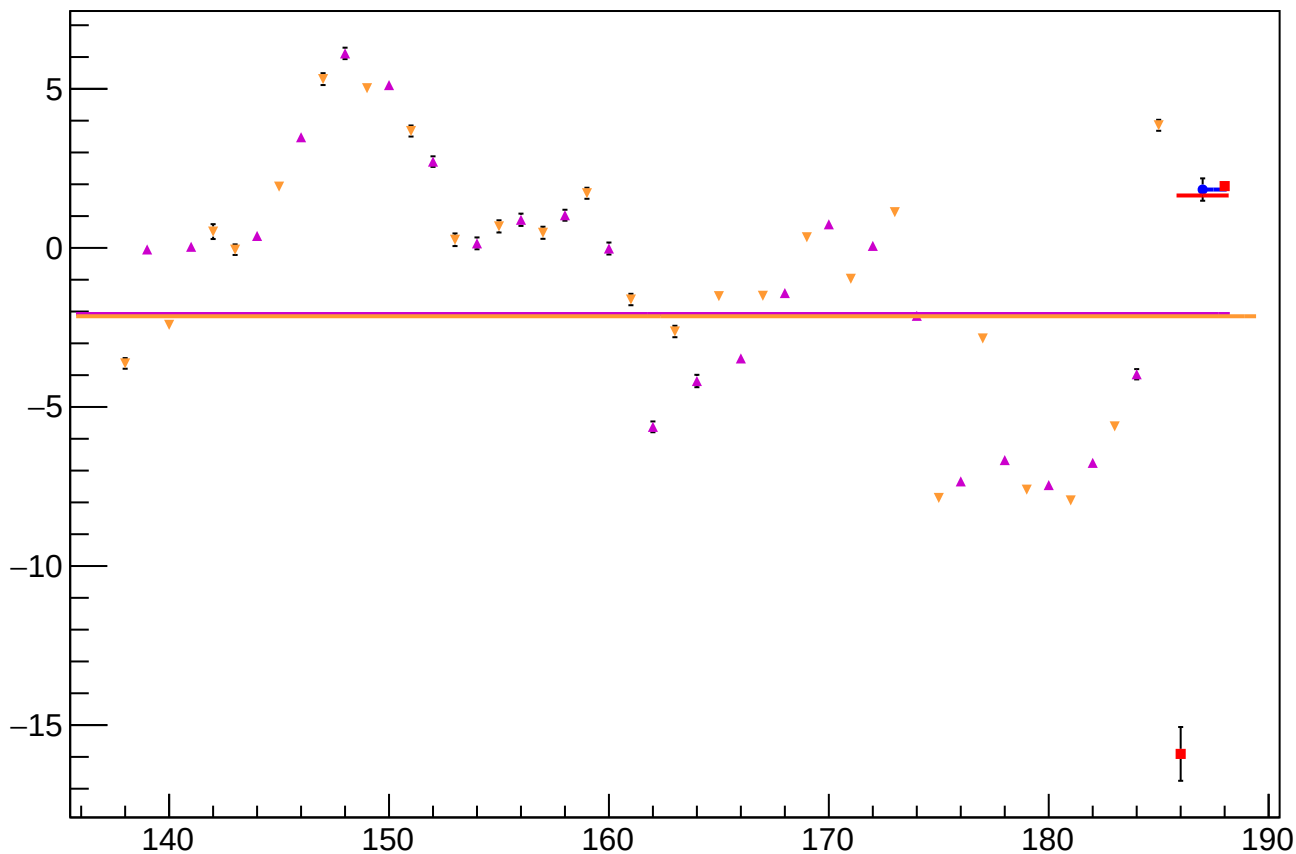
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.254 ± 0.003 χ^2/NDF : 1431.7/25

All: -0.246 ± 0.002 χ^2/NDF : 3231.2/50

- sign -0.238 ± 0.003 χ^2/NDF : 1782.8/24

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.834+/-0.352 χ^2/NDF : 0.0/0

Left Out: -2.149+/-0.026 χ^2/NDF : 24536.3/24

Right Out: 1.648+/-0.109 χ^2/NDF : 438.4/1

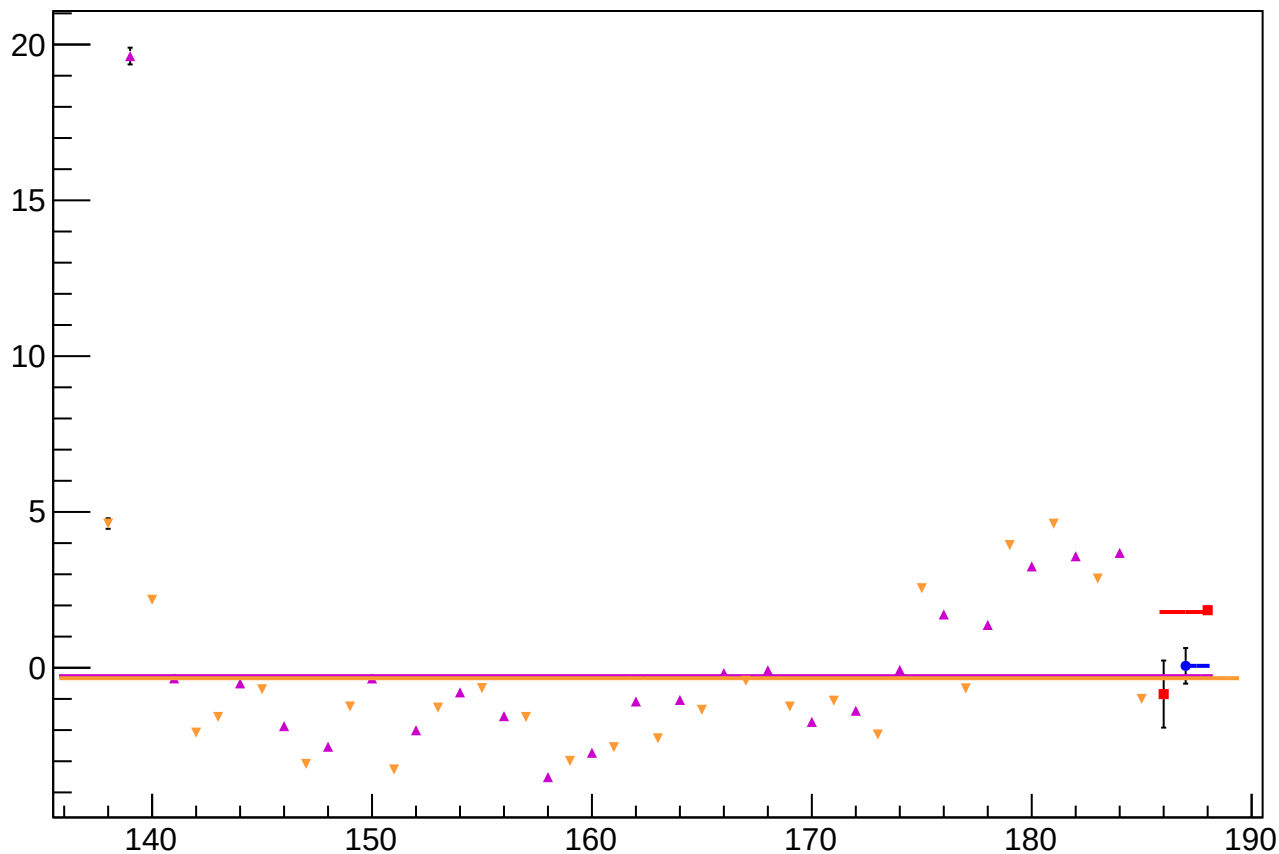
Left In: -2.078+/-0.026 χ^2/NDF : 23245.8/22

+ sign -2.128+/-0.026 χ^2/NDF : 24664.0/25

All: -2.001+/-0.018 χ^2/NDF : 49507.0/50

- sign -1.876+/-0.025 χ^2/NDF : 24794.1/24

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.061 ± 0.571 χ^2/NDF : 0.0/0

Left Out: -0.335 ± 0.021 χ^2/NDF : 12596.1/24

Right Out: 1.789 ± 0.160 χ^2/NDF : 6.1/1

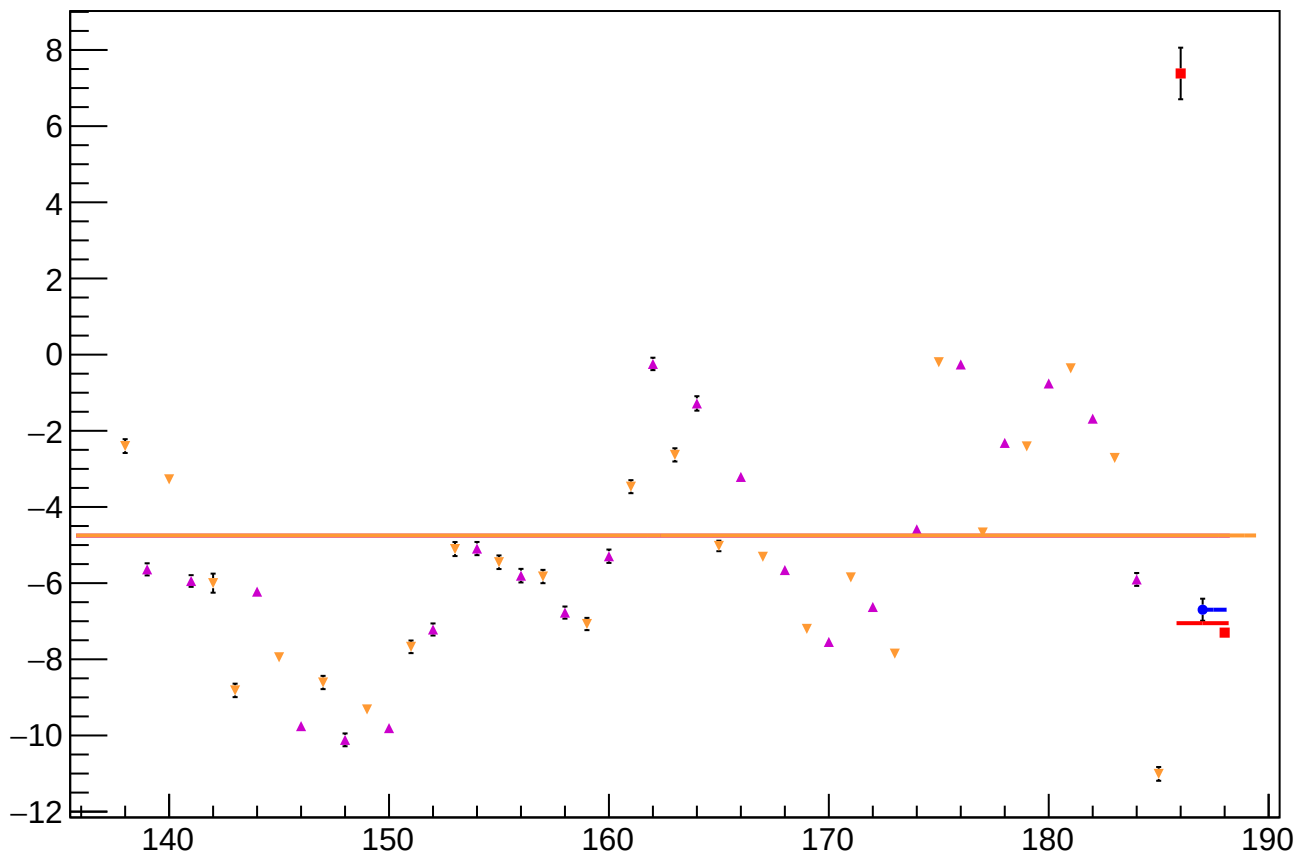
Left In: -0.269 ± 0.021 χ^2/NDF : 13323.1/22

+ sign -0.335 ± 0.021 χ^2/NDF : 12596.6/25

All: -0.285 ± 0.015 χ^2/NDF : 26100.9/50

- sign -0.235 ± 0.021 χ^2/NDF : 13492.6/24

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -6.698 $\pm$ 0.289 χ^2 /NDF: 0.0/0

Left Out: -4.748 $\pm$ 0.026 χ^2 /NDF:13289.8/24

Right Out: -7.051 $\pm$ 0.088 χ^2 /NDF: 462.0/1

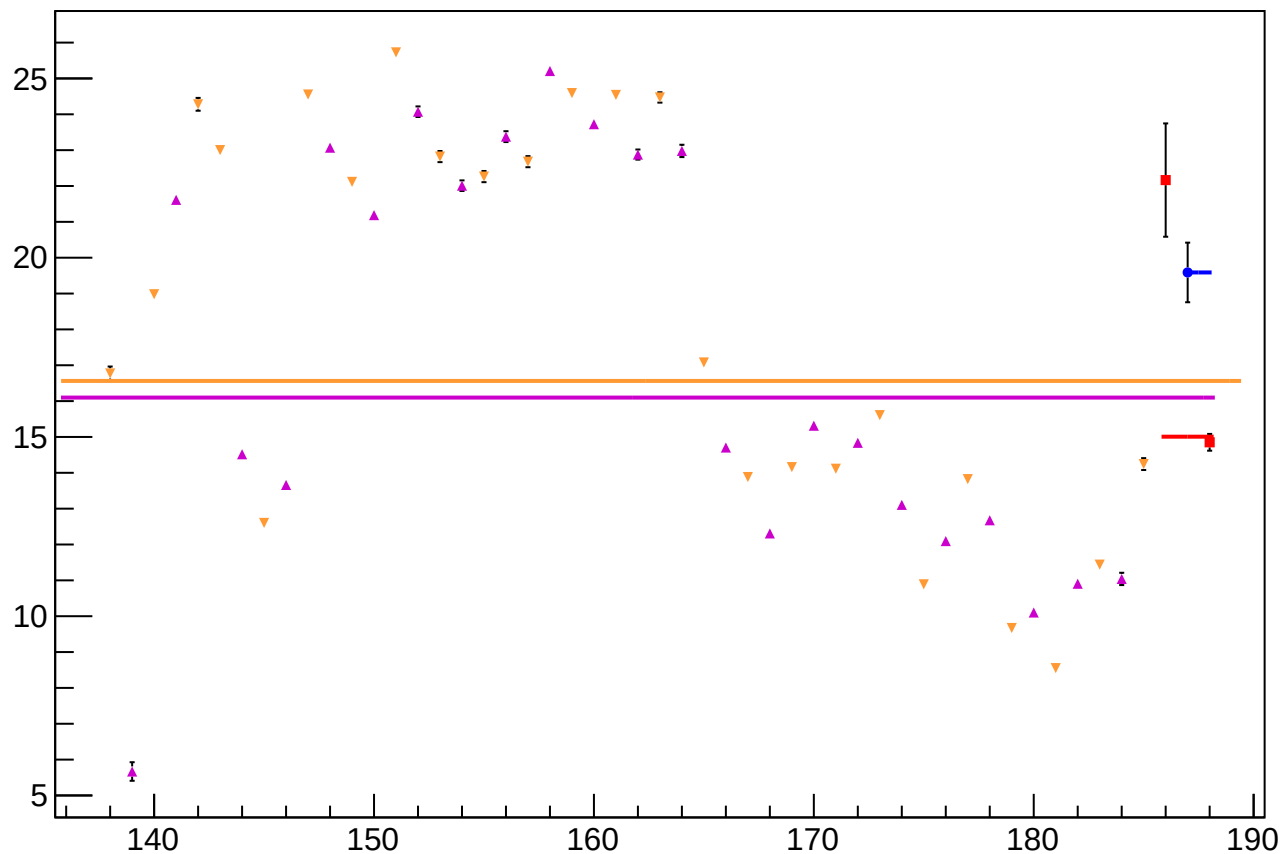
Left In: -4.753 $\pm$ 0.026 χ^2 /NDF:14119.2/22

+ sign -4.763 $\pm$ 0.026 χ^2 /NDF: 13334.8/25

All: -4.853 $\pm$ 0.018 χ^2 /NDF: 28564.7/50

- sign -4.939 $\pm$ 0.025 χ^2 /NDF: 15205.9/24

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 19.589 $\pm$ 0.831 χ^2 /NDF: 0.0/0

Left Out: 16.563 $\pm$ 0.023 χ^2 /NDF: 53858.5/24

Right Out: 15.007 $\pm$ 0.231 χ^2 /NDF: 21.0/1

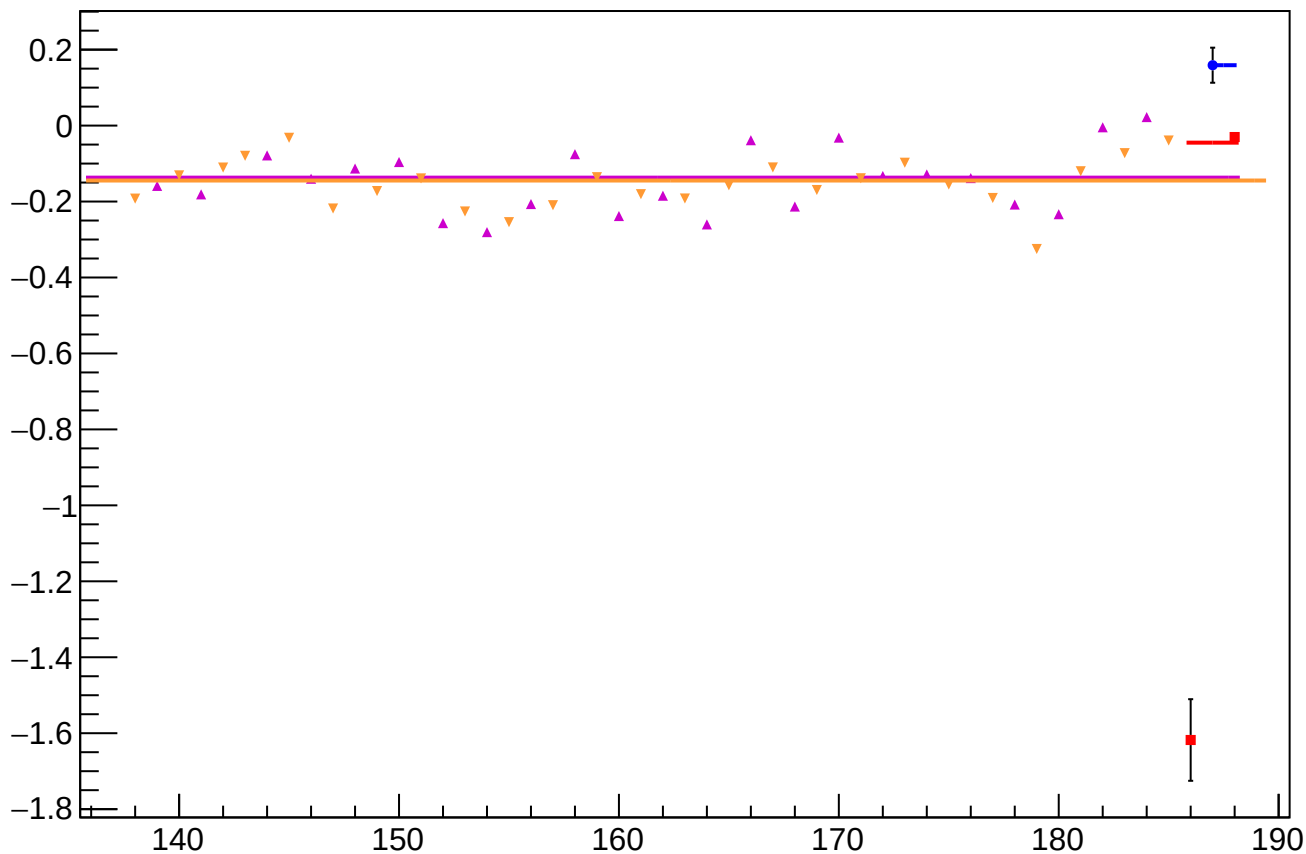
Left In: 16.098 $\pm$ 0.024 χ^2 /NDF: 42345.7/22

+ sign 16.565 $\pm$ 0.023 χ^2 /NDF: 53871.7/25

All: 16.329 $\pm$ 0.016 χ^2 /NDF: 96471.0/50

- sign 16.087 $\pm$ 0.023 χ^2 /NDF: 42388.6/24

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.159 $\pm$ 0.046 χ^2 /NDF: 0.0/0

Left Out: -0.145 $\pm$ 0.001 χ^2 /NDF: 3769.7/24

Right Out: -0.045 $\pm$ 0.010 χ^2 /NDF: 216.3/1

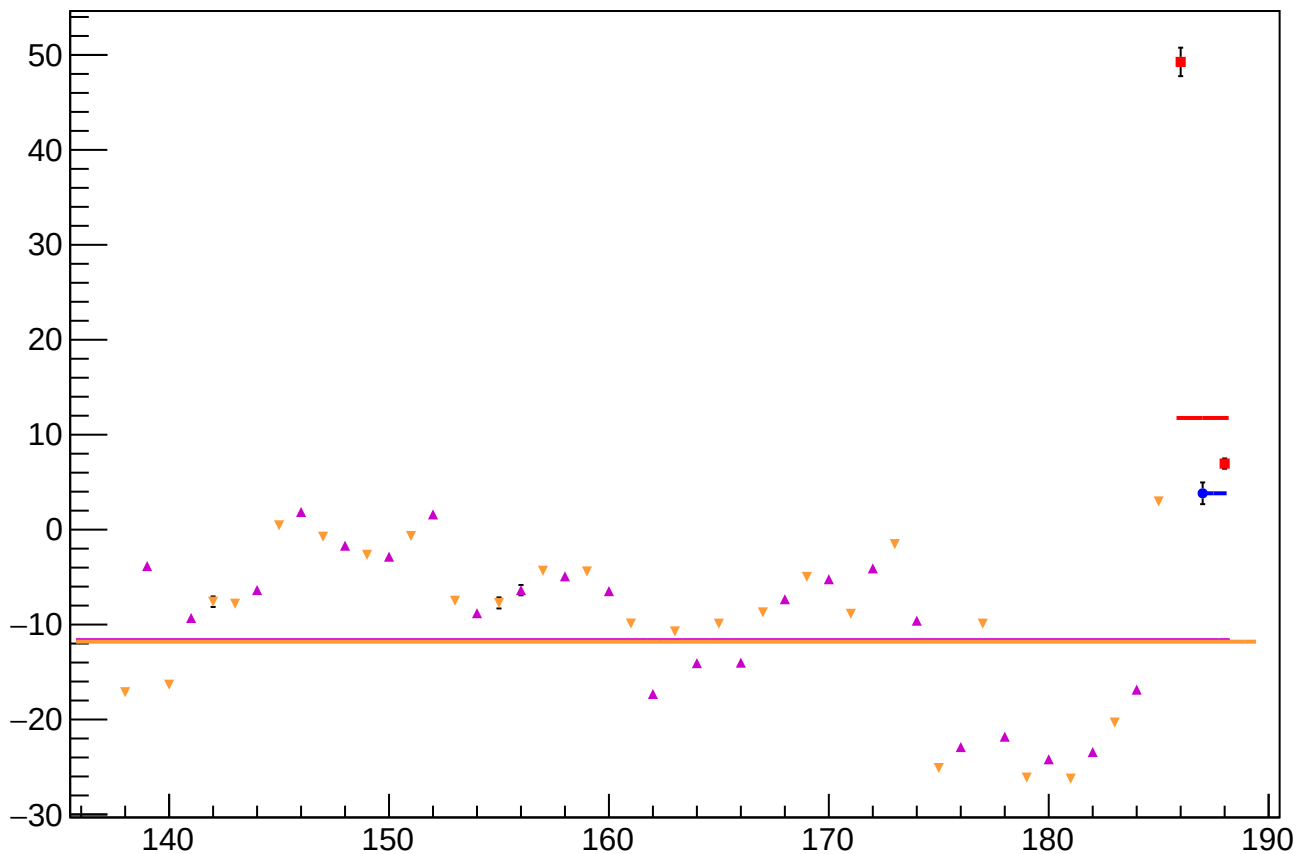
Left In: -0.137 $\pm$ 0.001 χ^2 /NDF: 5392.6/22

+ sign -0.144 $\pm$ 0.001 χ^2 /NDF: 3812.9/25

All: -0.140 $\pm$ 0.001 χ^2 /NDF: 9531.2/50

- sign -0.136 $\pm$ 0.001 χ^2 /NDF: 5687.0/24

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 3.828 ± 1.143 χ^2/NDF : 0.0/0

Left Out: -11.801 ± 0.070 χ^2/NDF : 17308.2/24

Right Out: 11.763 ± 0.505 χ^2/NDF : 705.5/1

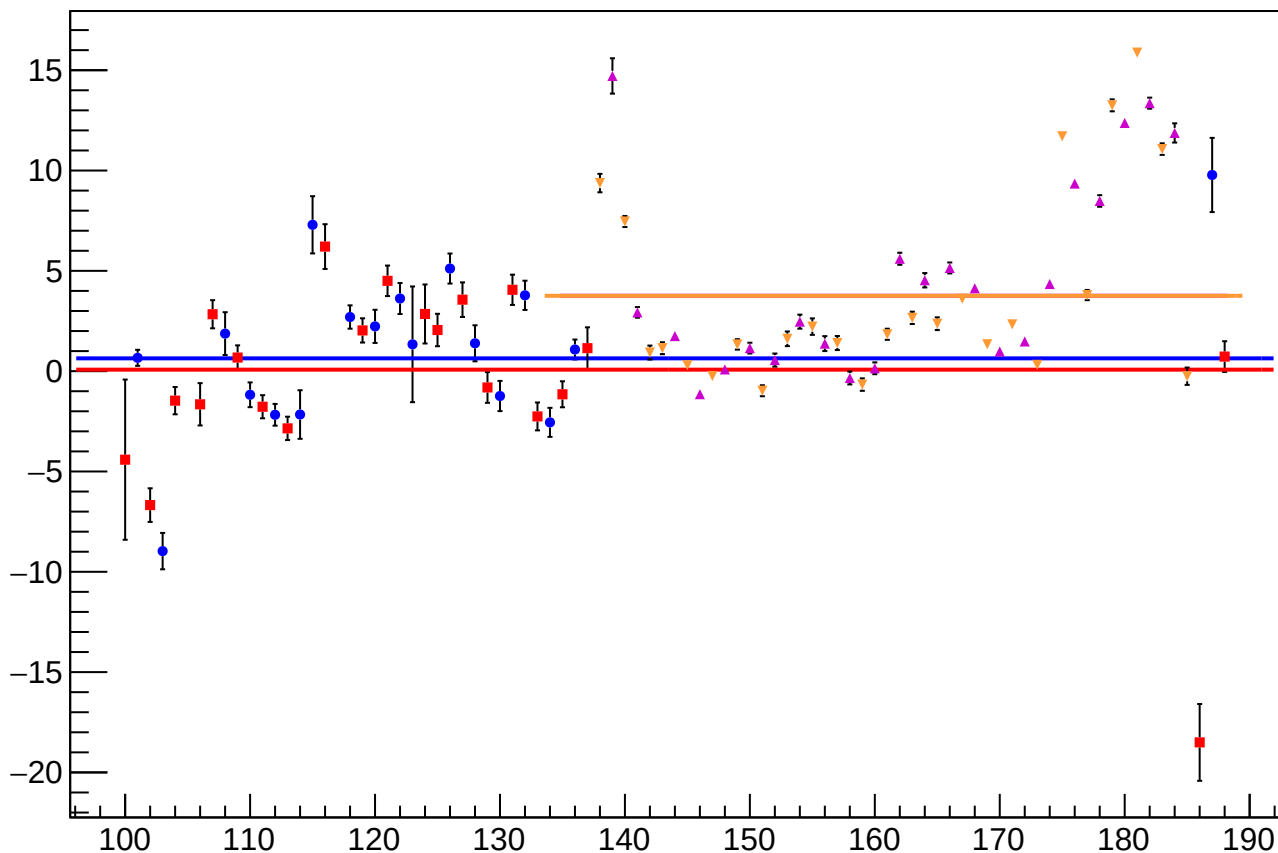
Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.742 ± 0.070 χ^2/NDF : 17494.5/25

All: -11.465 ± 0.050 χ^2/NDF : 34454.6/50

- sign -11.182 ± 0.071 χ^2/NDF : 16928.5/24

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.638 ± 0.170 χ^2/NDF : 313.3/17

Left Out: 3.757 ± 0.056 χ^2/NDF : 7450.7/24

Right Out: 0.075 ± 0.170 χ^2/NDF : 366.6/20

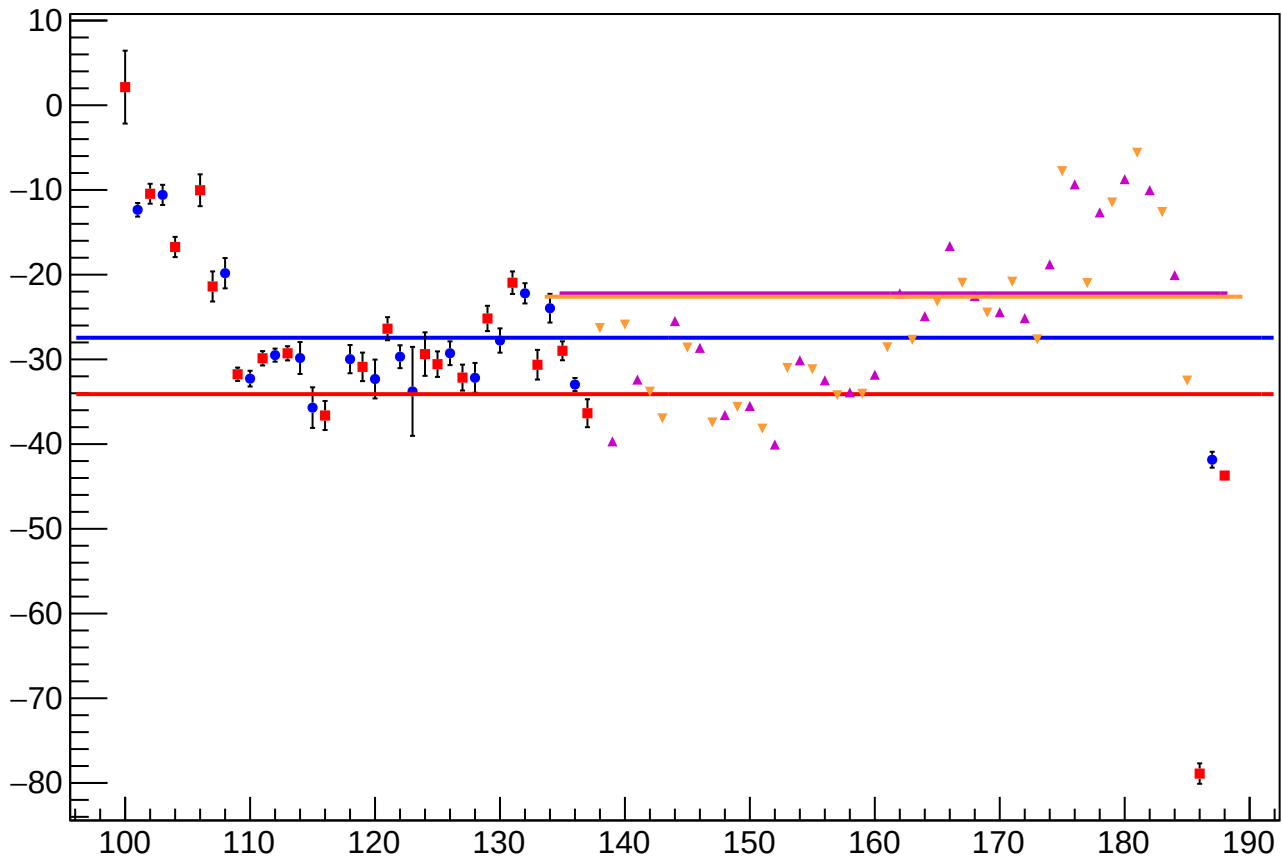
Left In: 3.757 ± 0.057 χ^2/NDF : 5629.4/22

+ sign 3.455 ± 0.053 χ^2/NDF : 8068.9/42

All: 3.423 ± 0.038 χ^2/NDF : 14488.8/86

- sign 3.389 ± 0.054 χ^2/NDF : 6419.2/43

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -27.445 ± 0.287 χ^2/NDF : 950.1/17

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -34.103 ± 0.241 χ^2/NDF : 3051.1/20

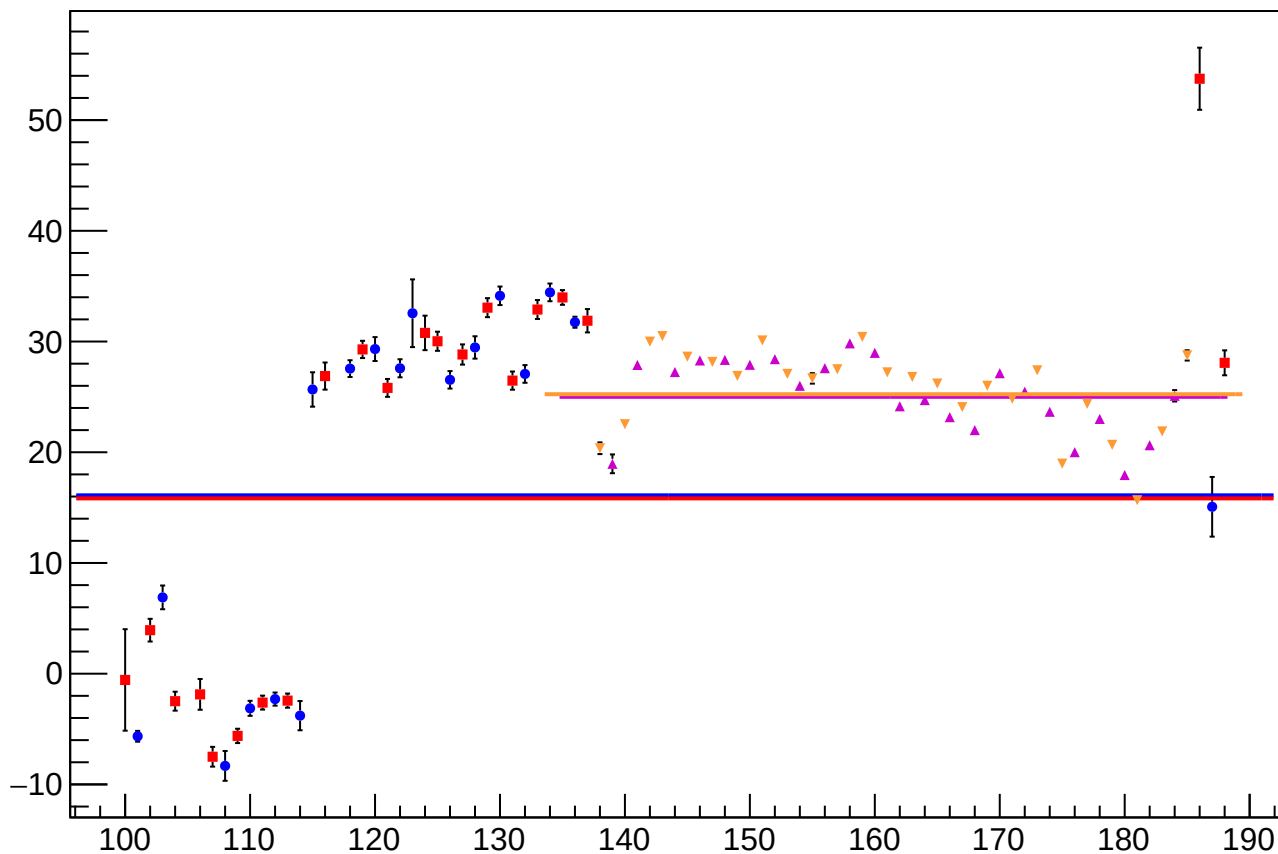
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -22.876 ± 0.069 χ^2/NDF : 21153.1/42

All: -23.026 ± 0.049 χ^2/NDF : 44085.3/86

- sign -23.176 ± 0.069 χ^2/NDF : 22922.6/43

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.110 $\pm$ 0.192 χ^2 /NDF: 7542.2/17

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.832 $\pm$ 0.194 χ^2 /NDF: 7570.5/20

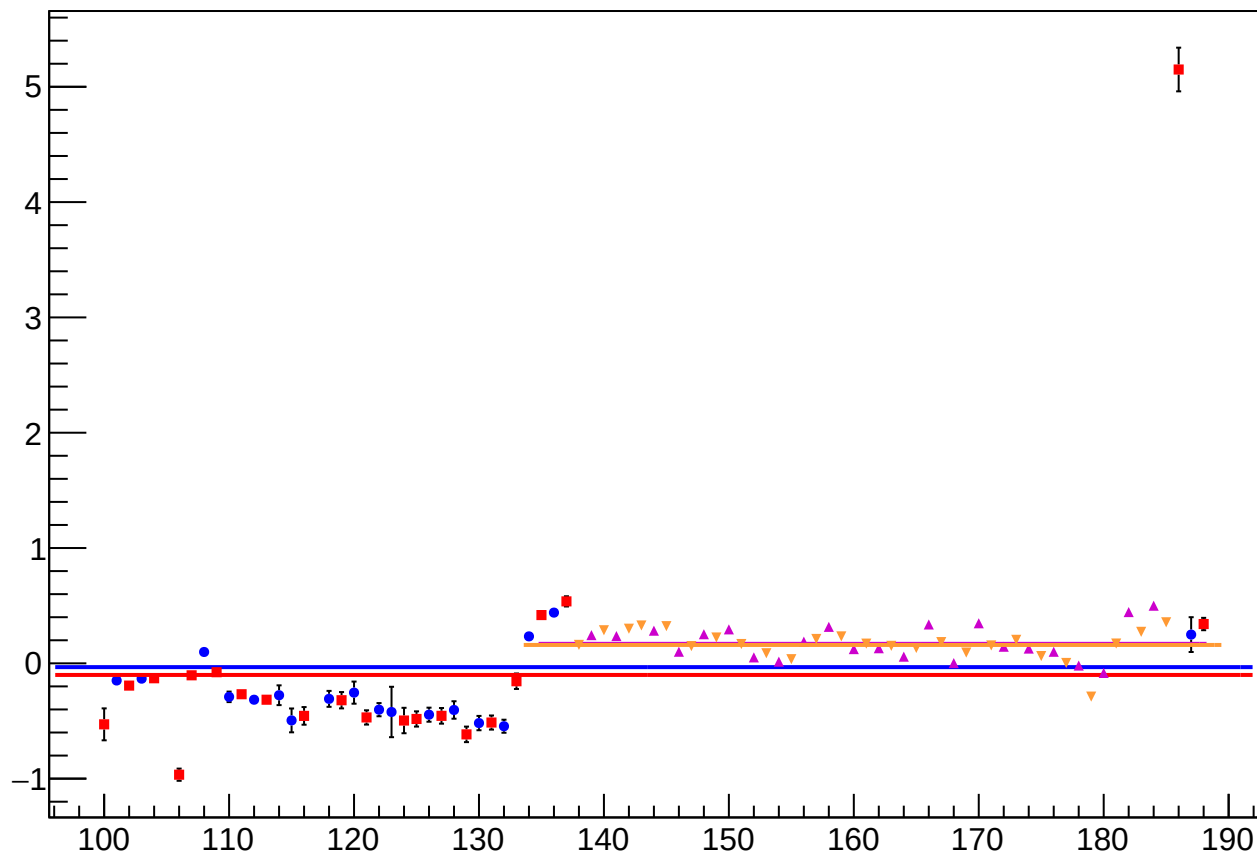
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.363 $\pm$ 0.060 χ^2 /NDF: 13375.1/42

All: 24.240 $\pm$ 0.042 χ^2 /NDF: 25696.5/86

- sign 24.112 $\pm$ 0.061 χ^2 /NDF: 12312.6/43

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.033 ± 0.010 χ^2/NDF : 1014.9/17

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.101 ± 0.010 χ^2/NDF : 2006.6/20

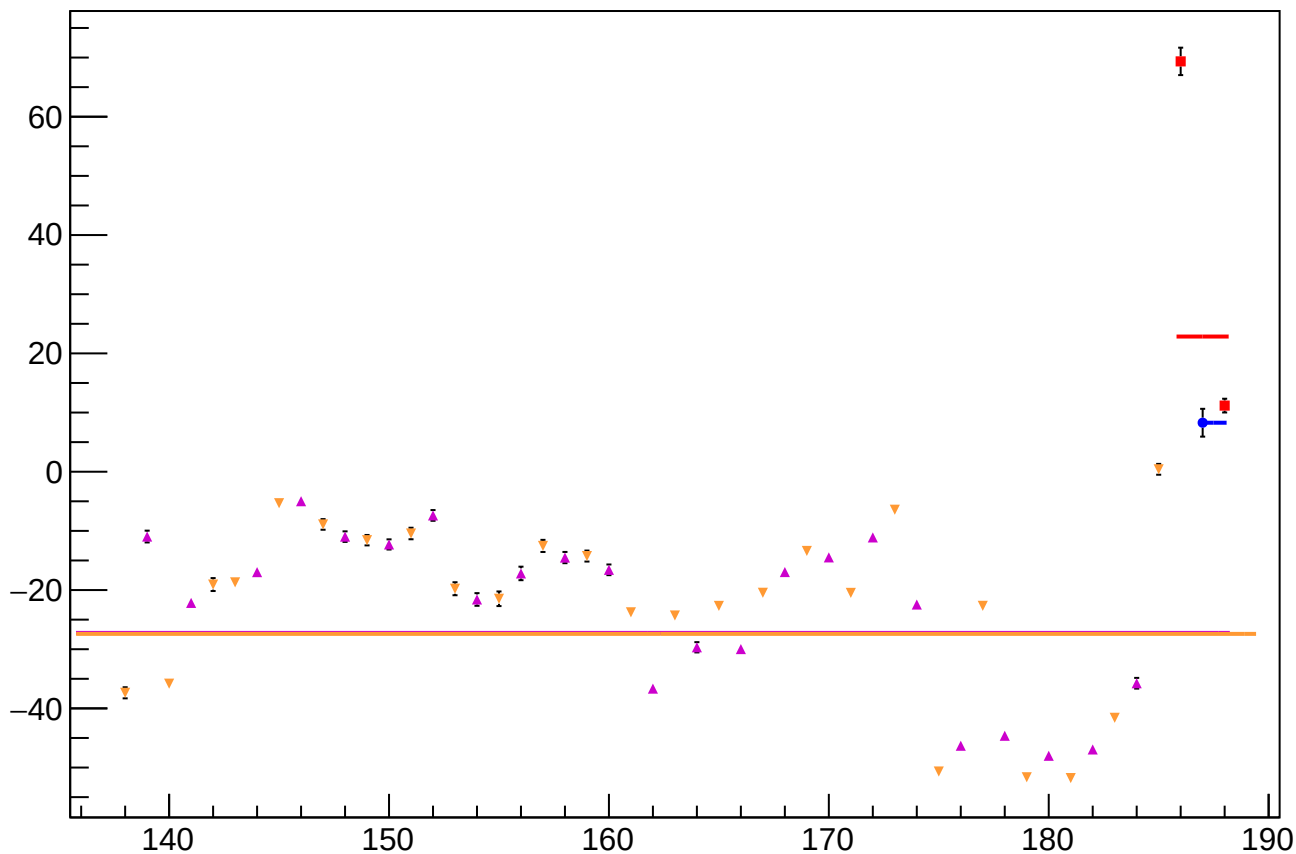
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.146 ± 0.003 χ^2/NDF : 3201.6/42

All: 0.147 ± 0.002 χ^2/NDF : 8276.1/86

- sign 0.148 ± 0.003 χ^2/NDF : 5074.0/43

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: 8.281 ± 2.351 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -27.408 ± 0.137 $\chi^2/\text{NDF}: 14850.5/24$

Right Out: 22.847 ± 1.038 $\chi^2/\text{NDF}: 503.8/1$

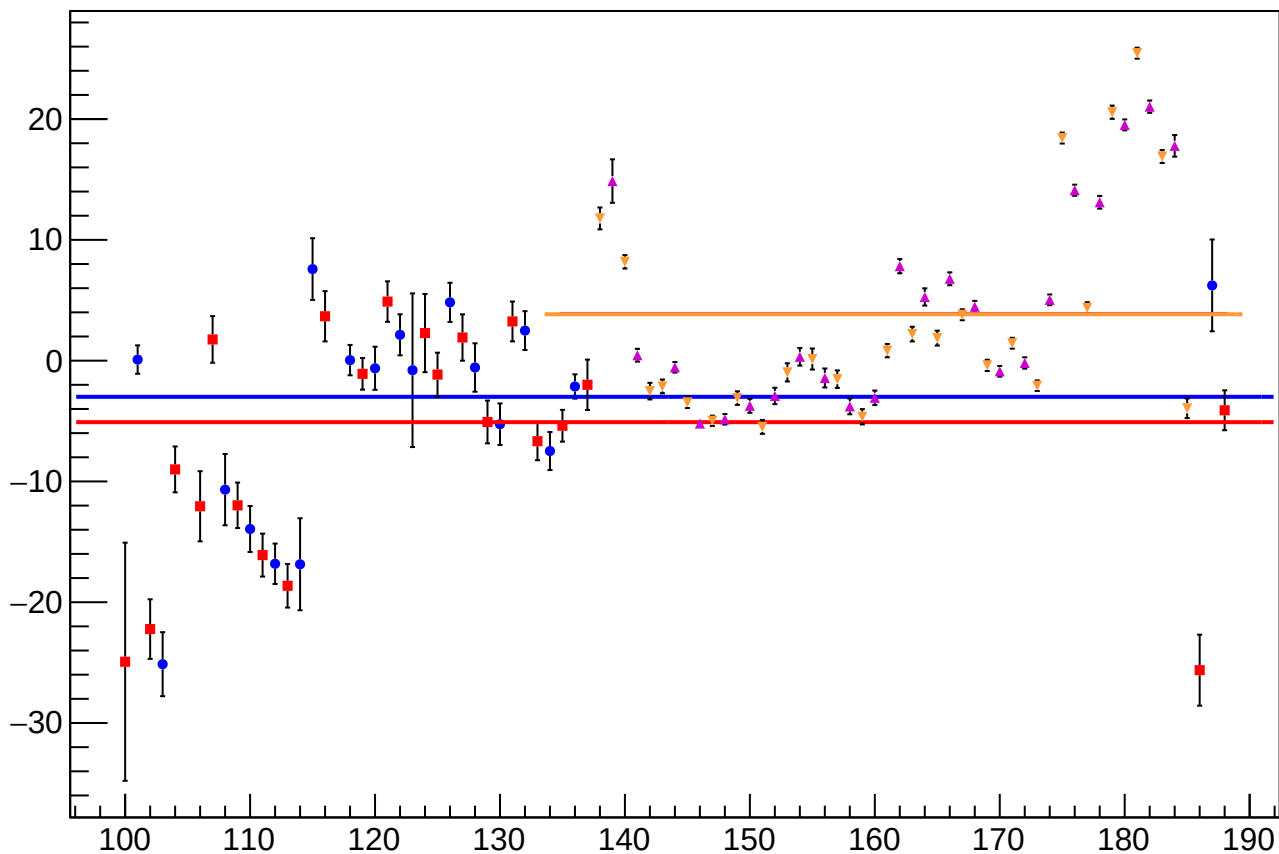
Left In: -27.243 ± 0.139 $\chi^2/\text{NDF}: 11305.2/22$

+ sign -27.287 ± 0.137 $\chi^2/\text{NDF}: 15080.2/25$

All: -26.827 ± 0.097 $\chi^2/\text{NDF}: 29199.5/50$

- sign -26.356 ± 0.138 $\chi^2/\text{NDF}: 14096.3/24$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.993 ± 0.409 $\chi^2/\text{NDF}: 284.8/17$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -5.093 ± 0.409 $\chi^2/\text{NDF}: 346.7/20$

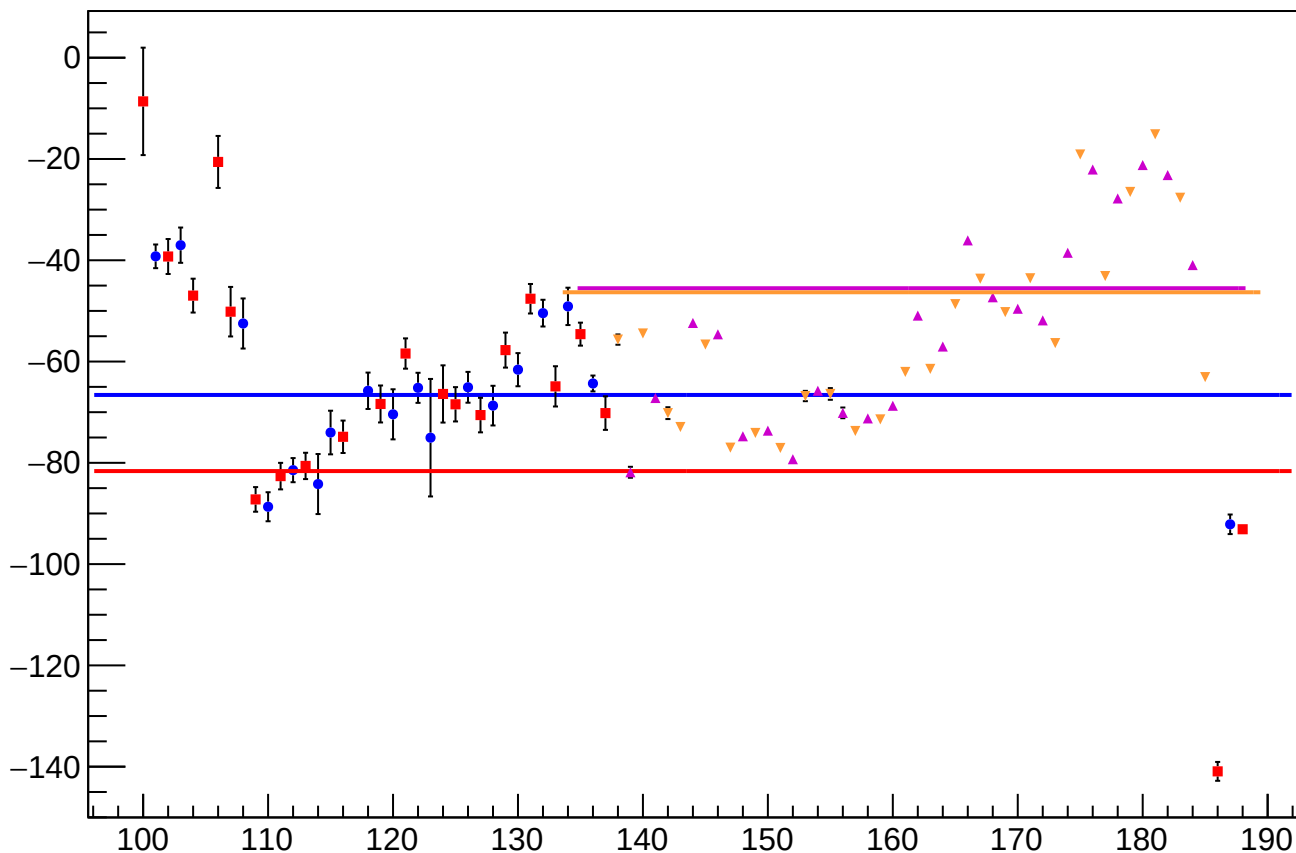
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.387 ± 0.106 $\chi^2/\text{NDF}: 7484.3/42$

All: 3.320 ± 0.075 $\chi^2/\text{NDF}: 13701.6/86$

- sign 3.251 ± 0.107 $\chi^2/\text{NDF}: 6216.4/43$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -66.595 ± 0.693 χ^2/NDF : 568.3/17

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -81.629 ± 0.560 χ^2/NDF : 2124.1/20

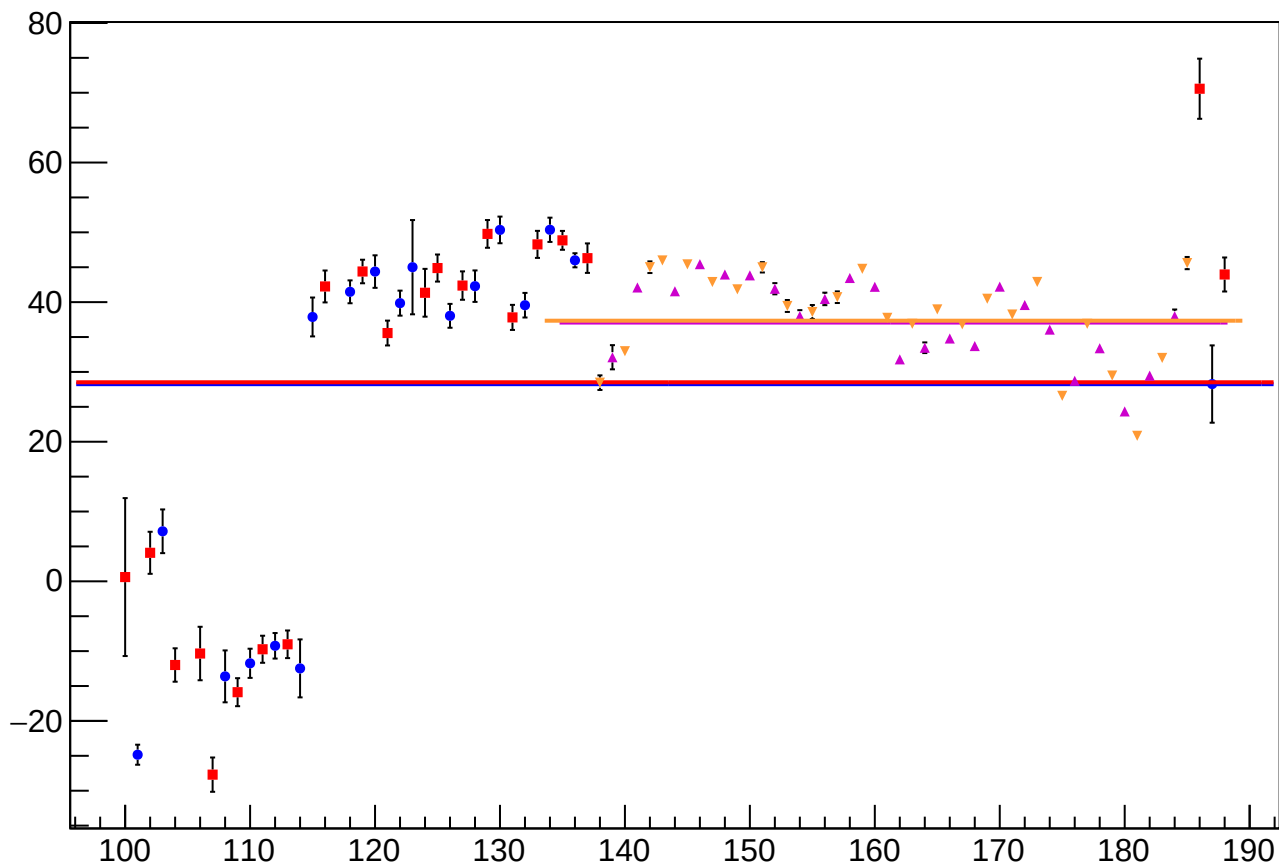
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -47.092 ± 0.135 χ^2/NDF : 21527.6/42

All: -47.365 ± 0.096 χ^2/NDF : 45101.4/86

- sign -47.640 ± 0.136 χ^2/NDF : 23565.7/43

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.247 $\pm$ 0.459 χ^2 /NDF: 3310.9/17

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.519 $\pm$ 0.468 χ^2 /NDF: 3172.4/20

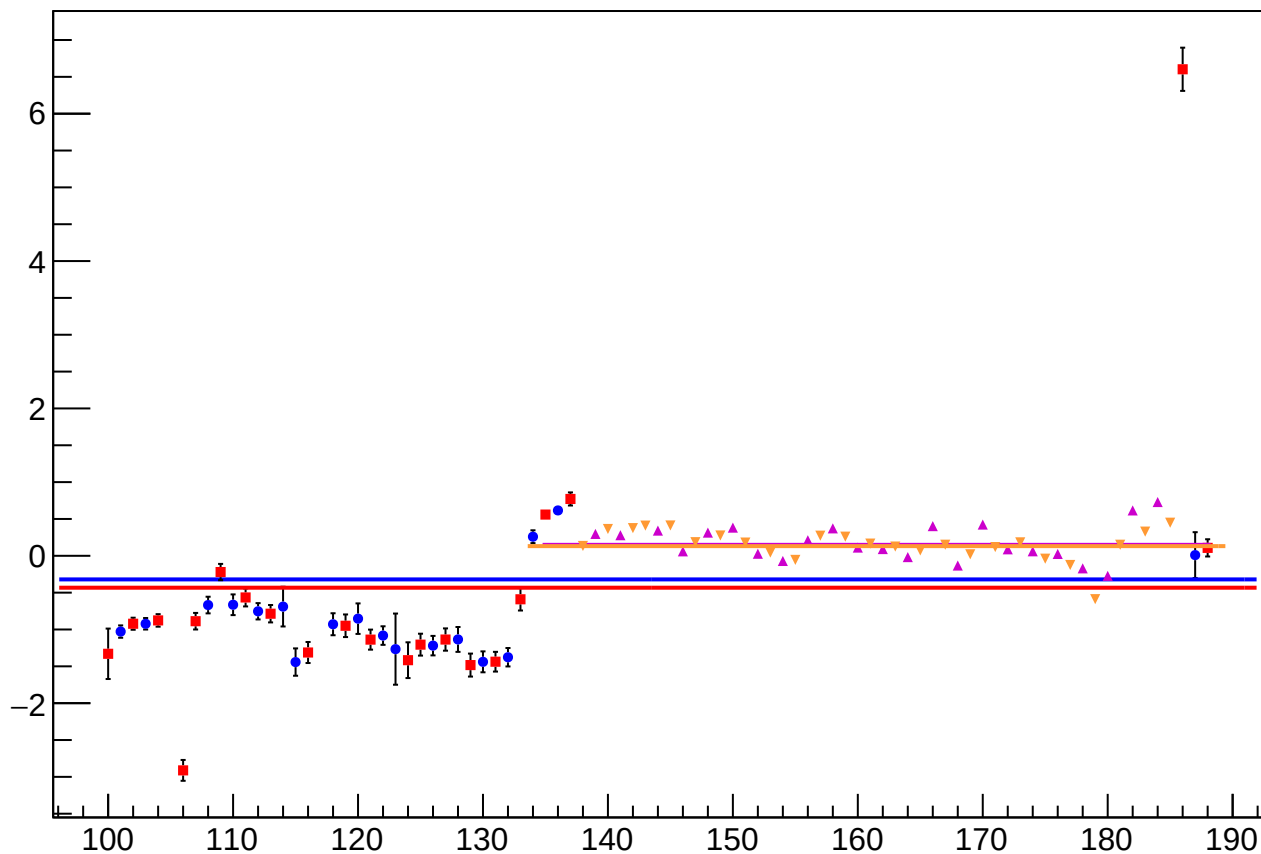
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.733 $\pm$ 0.119 χ^2 /NDF: 6825.8/42

All: 36.620 $\pm$ 0.085 χ^2 /NDF: 12709.4/86

- sign 36.502 $\pm$ 0.121 χ^2 /NDF: 5881.8/43

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.320 ± 0.025 χ^2/NDF : 1011.2/17

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.433 ± 0.025 χ^2/NDF : 1766.1/20

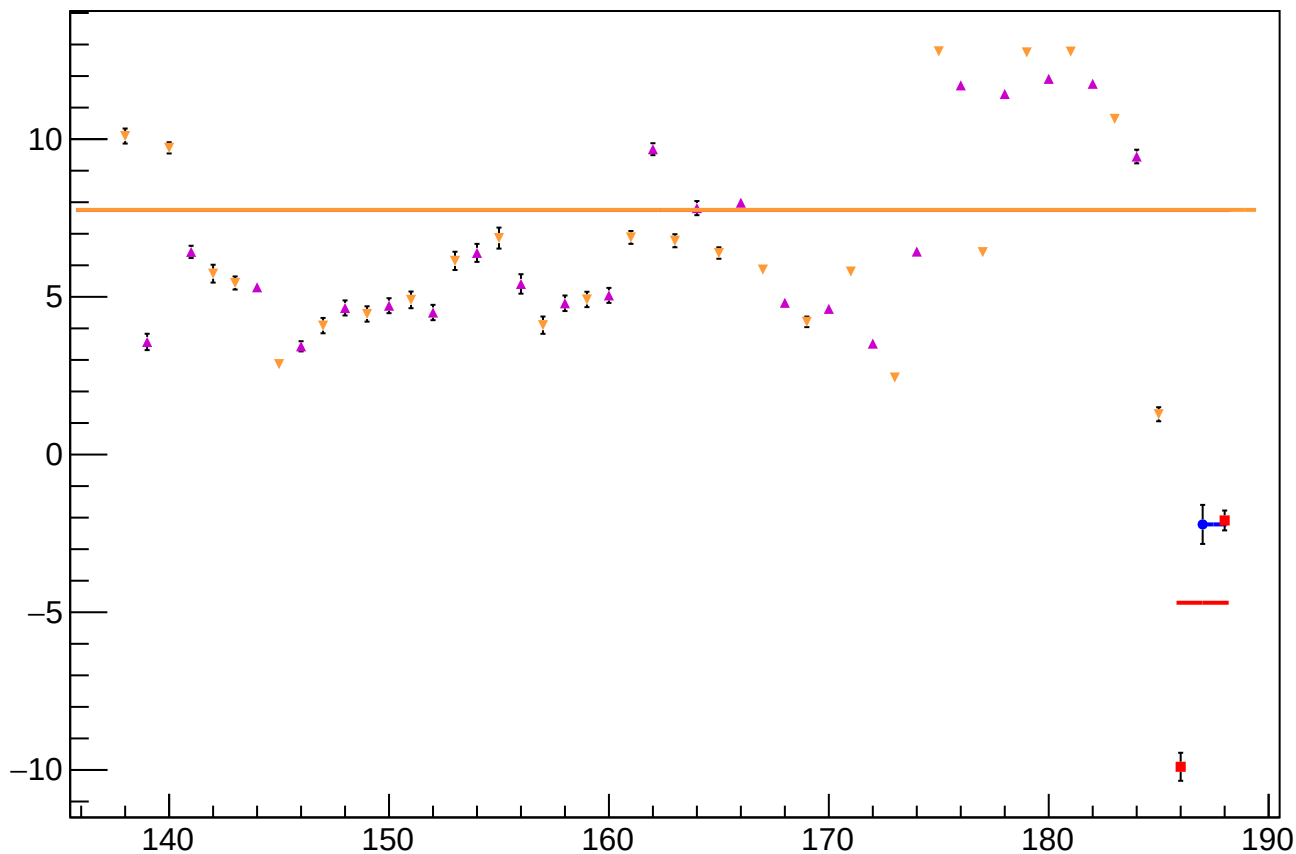
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.109 ± 0.005 χ^2/NDF : 2750.5/42

All: 0.114 ± 0.004 χ^2/NDF : 6832.9/86

- sign 0.120 ± 0.006 χ^2/NDF : 4080.6/43

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: -2.215 ± 0.619 χ^2/NDF : 0.0/0

Left Out: 7.757 ± 0.034 χ^2/NDF : 11728.6/24

Right Out: -4.698 ± 0.257 χ^2/NDF : 205.8/1

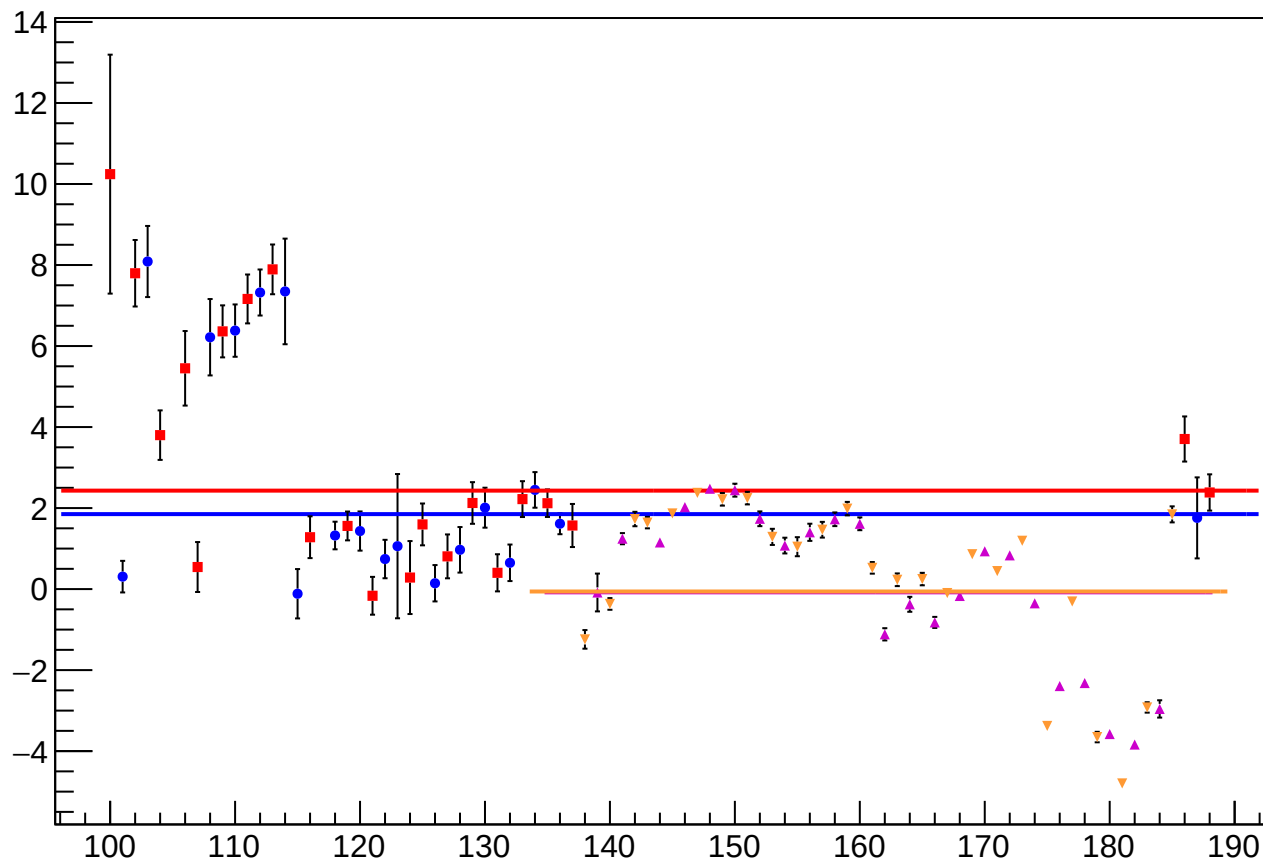
Left In: 7.753 ± 0.035 χ^2/NDF : 8345.2/22

+ sign 7.727 ± 0.034 χ^2/NDF : 11987.3/25

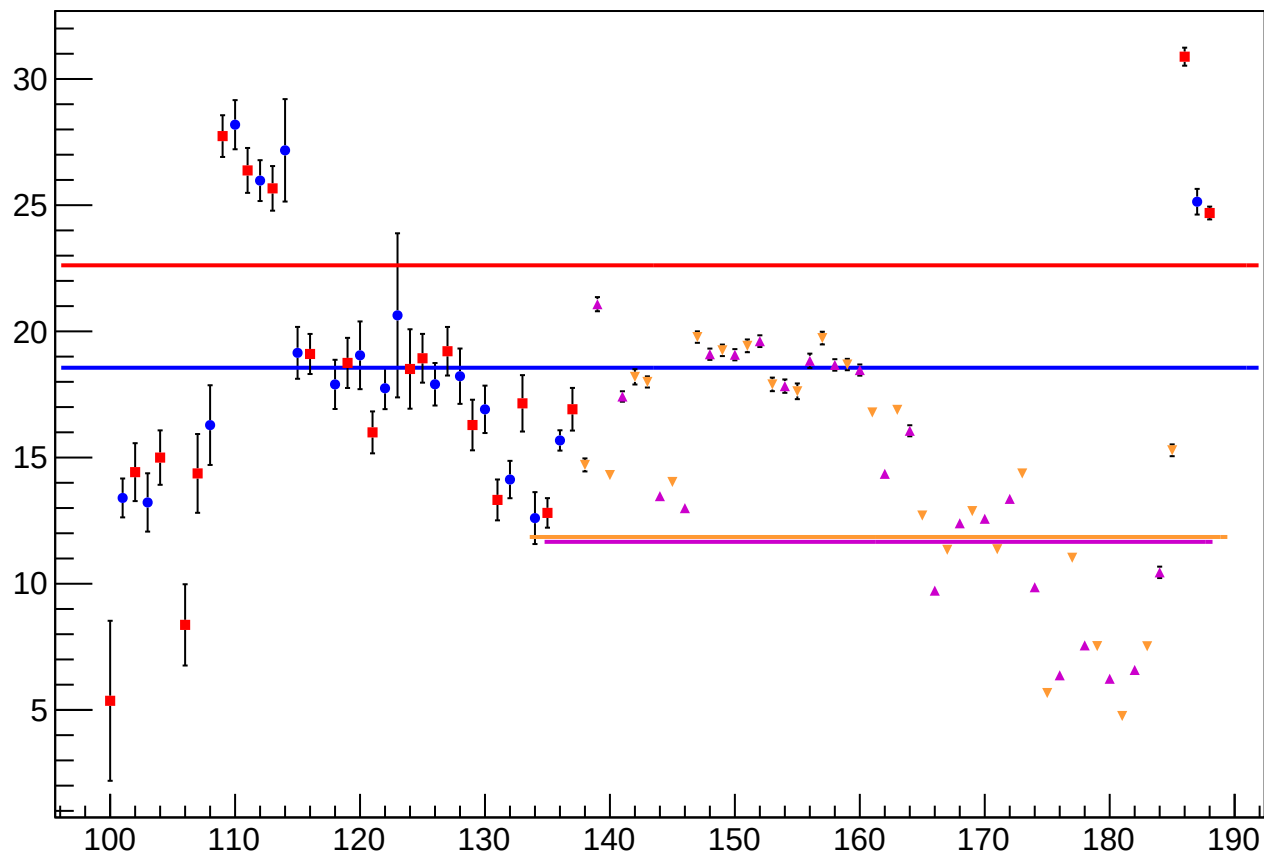
All: 7.627 ± 0.024 χ^2/NDF : 22864.1/50

- sign 7.525 ± 0.035 χ^2/NDF : 10859.6/24

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



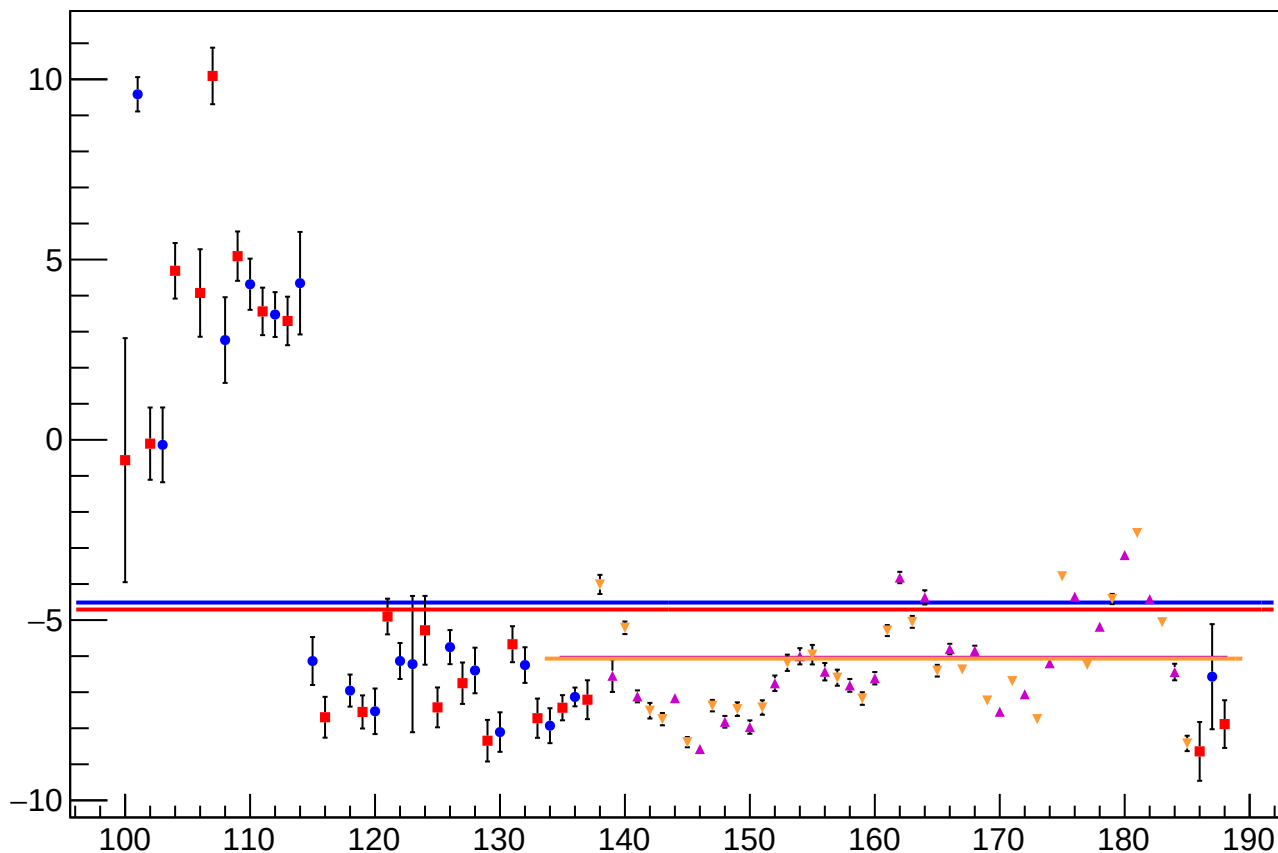
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.559 $\pm$ 0.196 χ^2 /NDF: 561.8/17
 Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24
 Right Out: 22.617 $\pm$ 0.151 χ^2 /NDF: 1561.9/20
 Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.056 $\pm$ 0.034 χ^2 /NDF: 20842.2/42
 All: 12.141 $\pm$ 0.024 χ^2 /NDF: 44150.5/86
 - sign 12.228 $\pm$ 0.034 χ^2 /NDF: 23295.6/43

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.513 $\pm$ 0.130 χ^2/NDF : 1584.8/17

Left Out: -6.068 $\pm$ 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.707 $\pm$ 0.133 χ^2/NDF : 1390.1/20

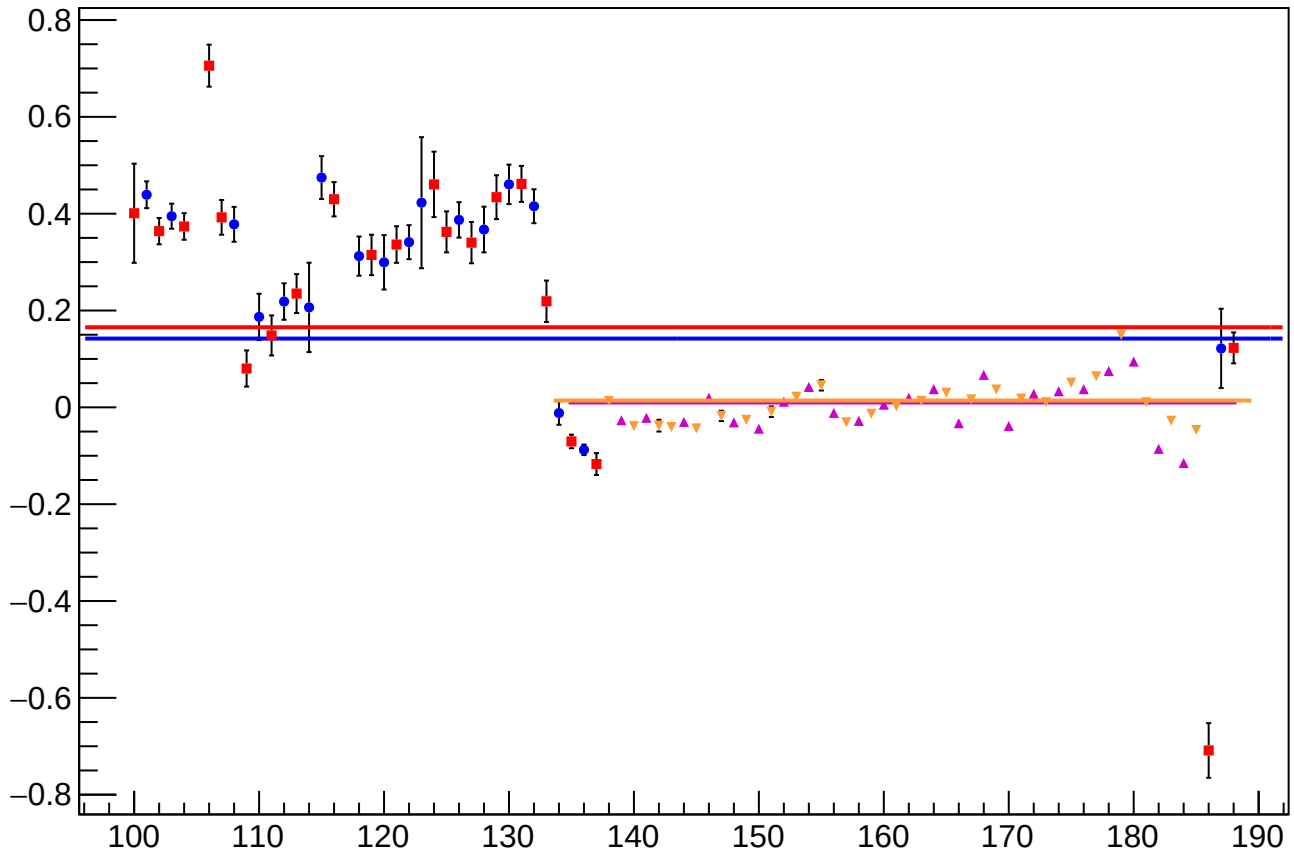
Left In: -6.045 $\pm$ 0.032 χ^2/NDF : 2293.7/22

+ sign -5.984 $\pm$ 0.030 χ^2/NDF : 4391.8/42

All: -5.978 $\pm$ 0.022 χ^2/NDF : 8172.1/86

- sign -5.973 $\pm$ 0.031 χ^2/NDF : 3780.3/43

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1057.8/17

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF: 956.2/24

Right Out: 0.165 $\pm$ 0.007 χ^2 /NDF: 1245.9/20

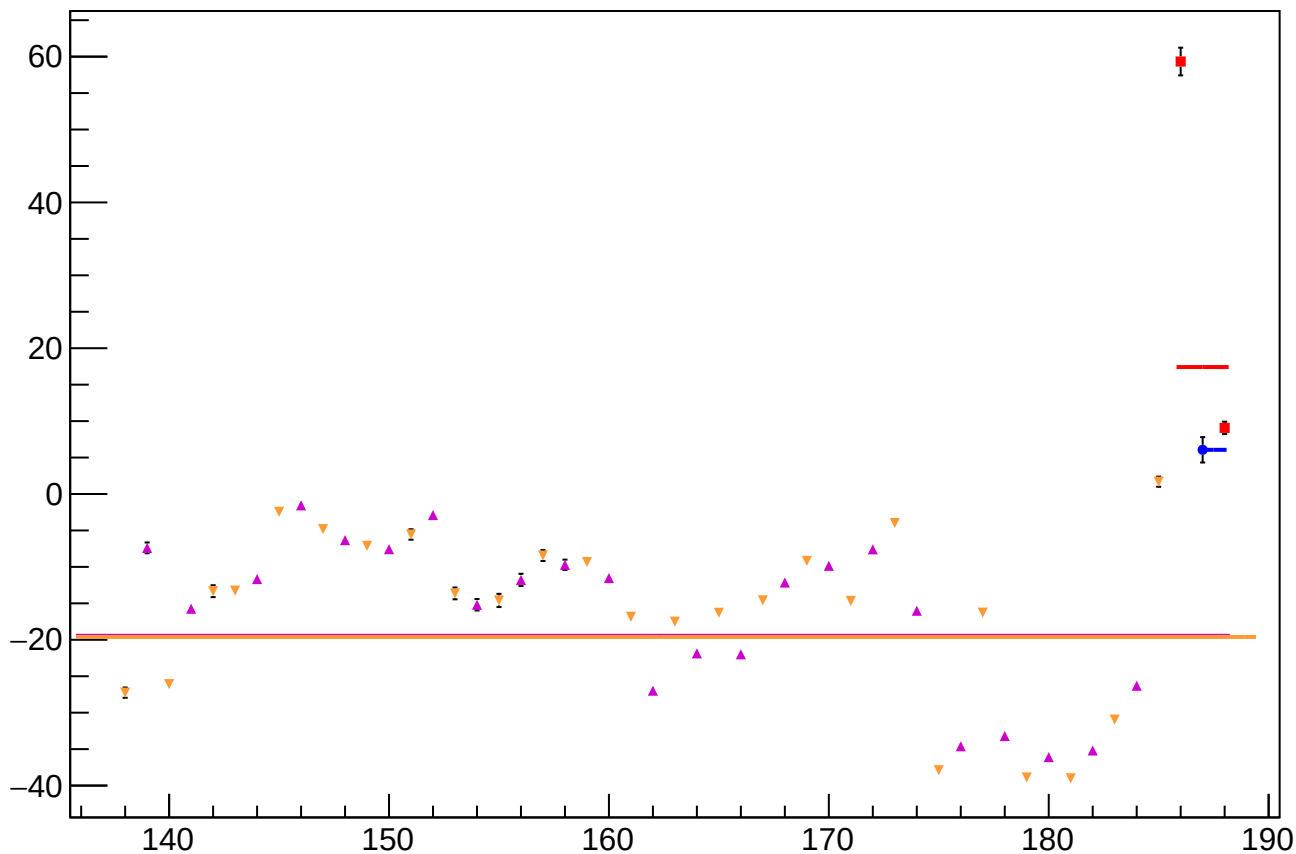
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.019 $\pm$ 0.001 χ^2 /NDF: 2330.9/42

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5246.3/86

- sign 0.016 $\pm$ 0.001 χ^2 /NDF: 2913.3/43

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: 6.059+/-1.741 χ^2/NDF : 0.0/0

Left Out: -19.612+/-0.103 χ^2/NDF :15761.3/24

Right Out: 17.417+/-0.774 χ^2/NDF : 583.1/1

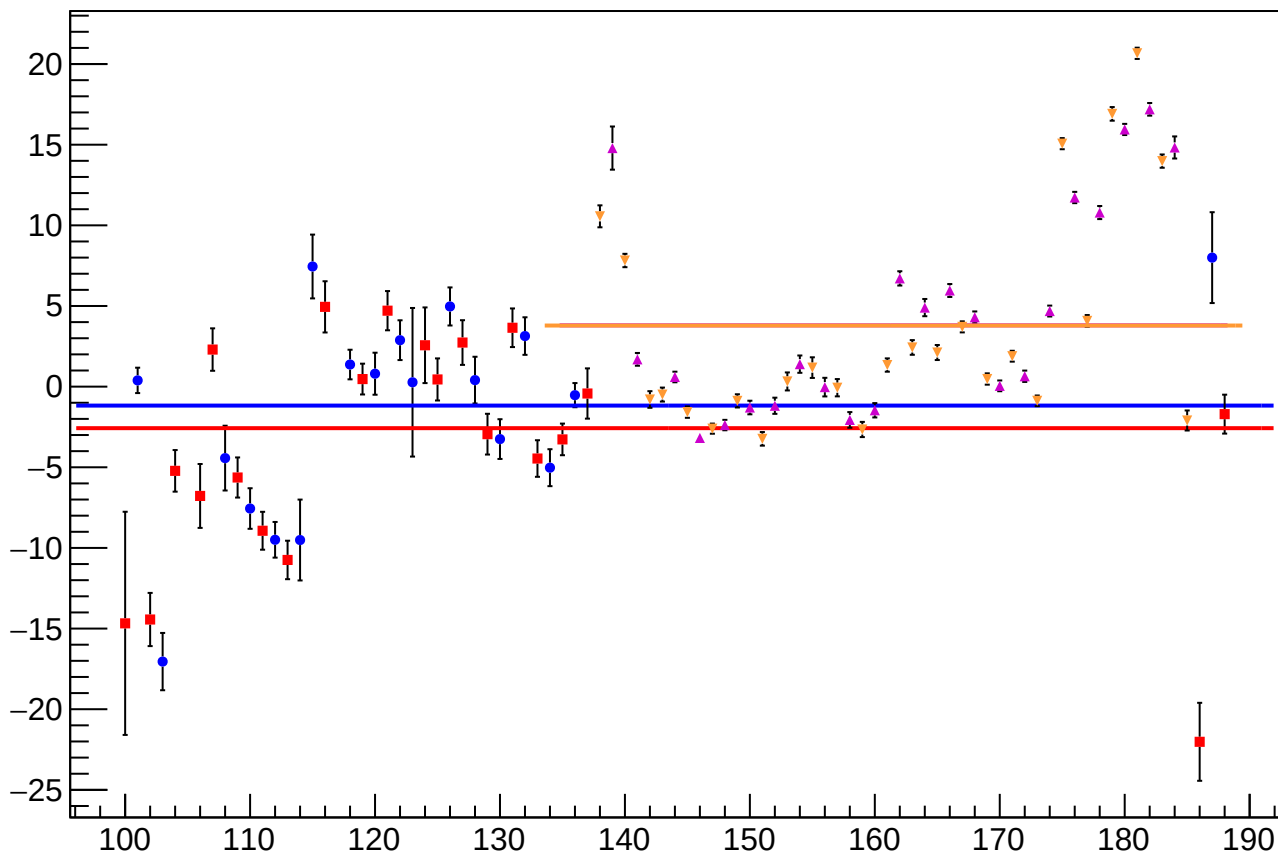
Left In: -19.450+/-0.105 χ^2/NDF :12283.1/22

+ sign -19.522+/-0.103 χ^2/NDF : 15977.8/25

All: -19.157+/-0.073 χ^2/NDF : 31094.8/50

- sign -18.784+/-0.104 χ^2/NDF : 15091.6/24

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.175 ± 0.291 χ^2/NDF : 287.3/17

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -2.575 ± 0.292 χ^2/NDF : 350.3/20

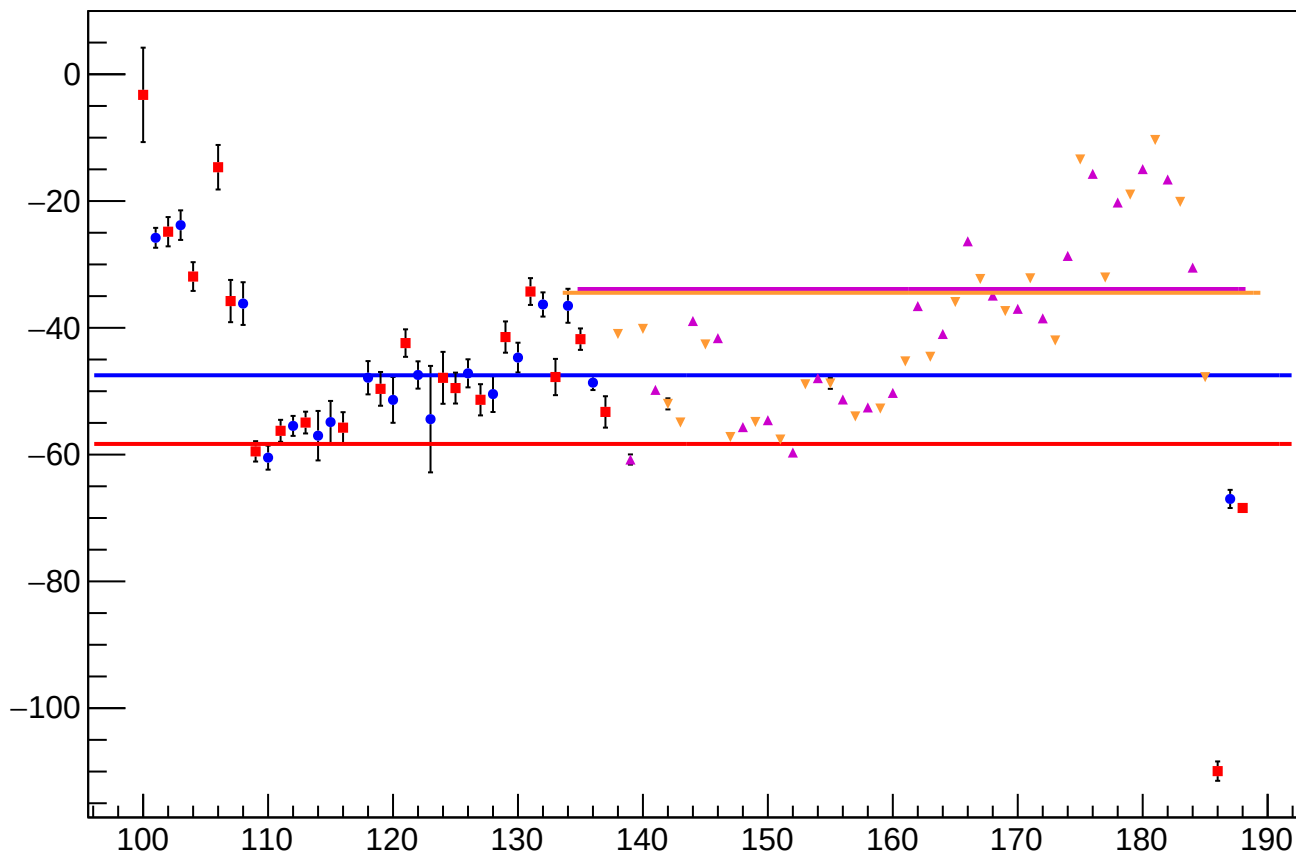
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.423 ± 0.079 χ^2/NDF : 7706.8/42

All: 3.370 ± 0.056 χ^2/NDF : 14016.8/86

- sign 3.315 ± 0.080 χ^2/NDF : 6309.1/43

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -47.485 ± 0.493 χ^2/NDF : 631.0/17

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -58.318 ± 0.404 χ^2/NDF : 2348.3/20

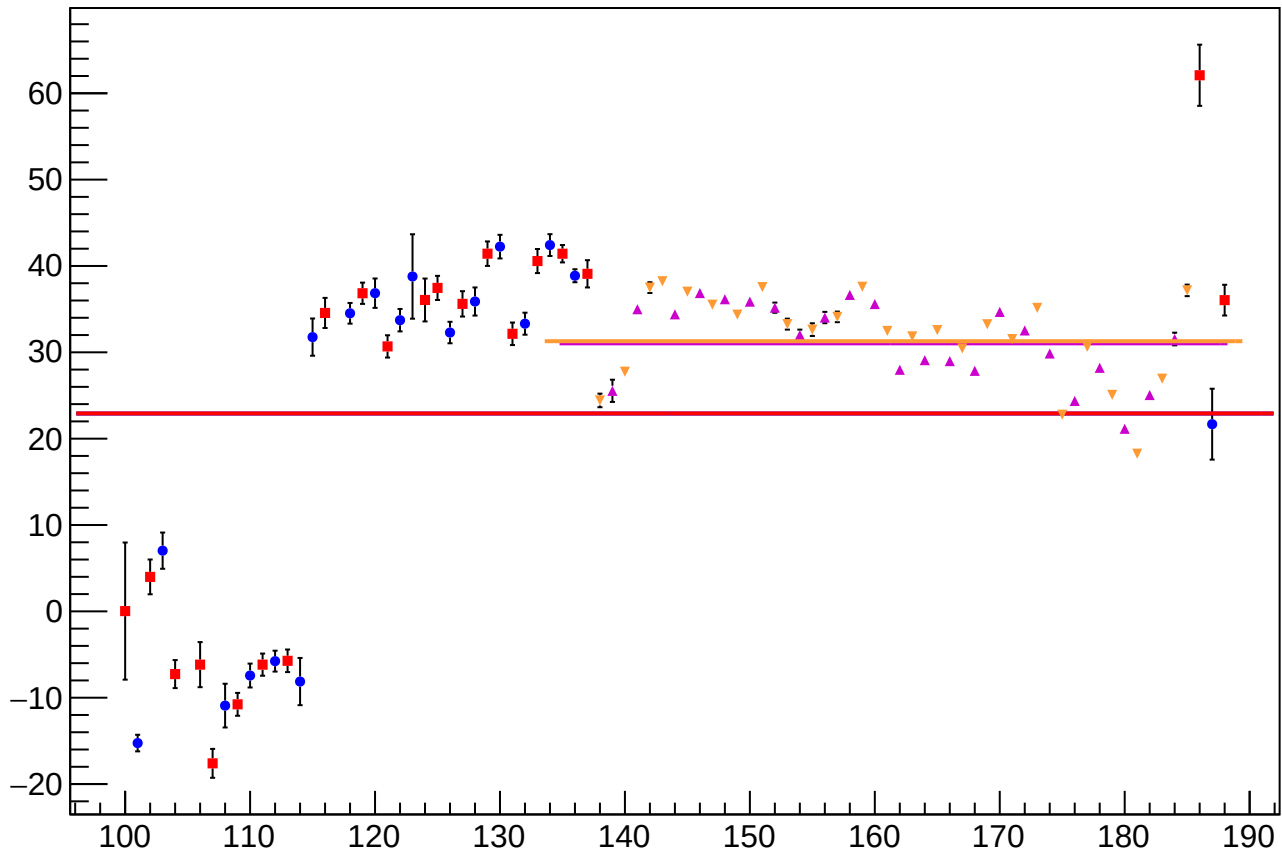
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.025 ± 0.102 χ^2/NDF : 21494.4/42

All: -35.227 ± 0.072 χ^2/NDF : 44919.0/86

- sign -35.430 ± 0.102 χ^2/NDF : 23416.8/43

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.909+/-0.328 χ^2/NDF : 4317.3/17

Left Out: 31.286+/-0.092 χ^2/NDF : 3345.7/24

Right Out: 22.920+/-0.333 χ^2/NDF : 4212.6/20

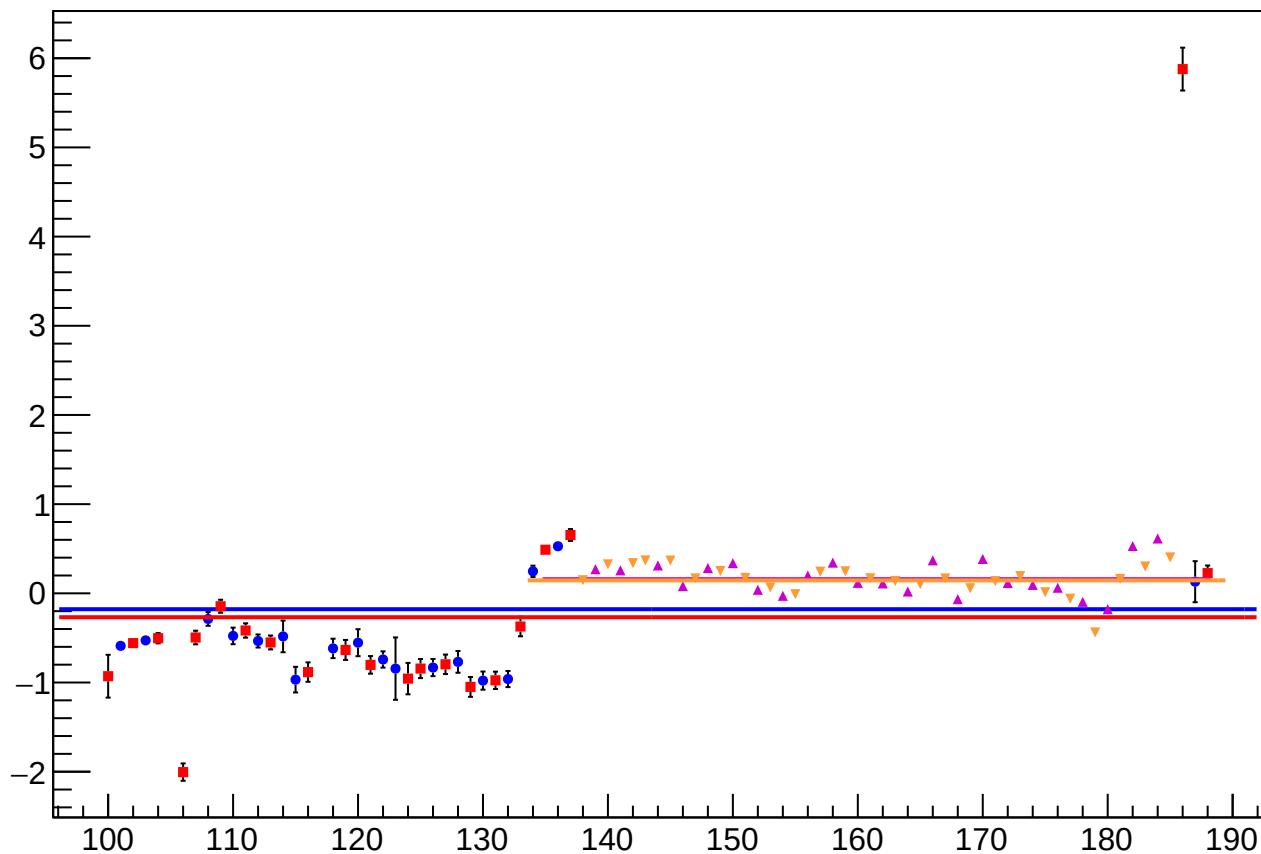
Left In: 31.039+/-0.094 χ^2/NDF : 2480.0/22

+ sign 30.669+/-0.089 χ^2/NDF : 8268.7/42

All: 30.556+/-0.063 χ^2/NDF : 15515.0/86

- sign 30.438+/-0.091 χ^2/NDF : 7243.0/43

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.178 ± 0.018 χ^2/NDF : 997.0/17

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.268 ± 0.018 χ^2/NDF : 1872.1/20

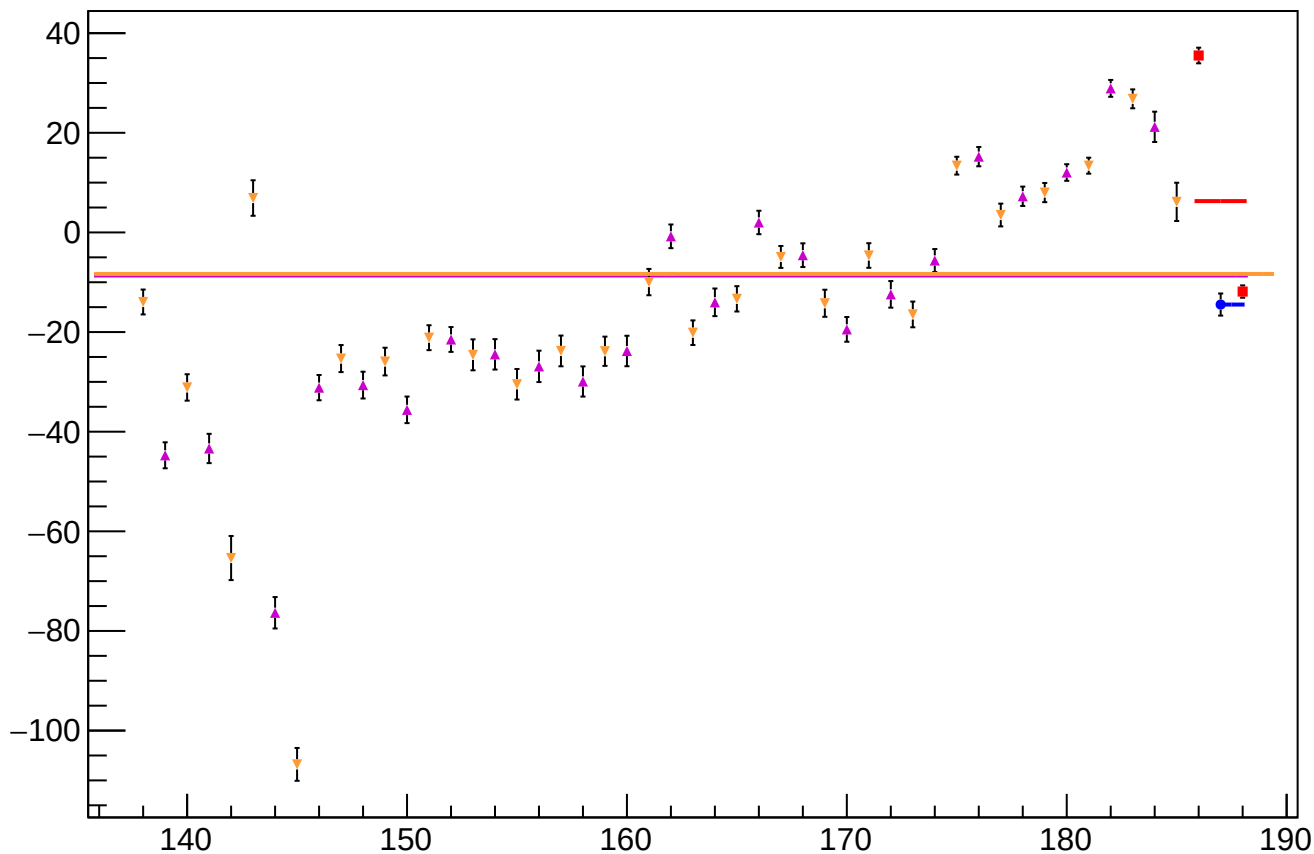
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.128 ± 0.004 χ^2/NDF : 2891.3/42

All: 0.131 ± 0.003 χ^2/NDF : 7319.6/86

- sign 0.135 ± 0.004 χ^2/NDF : 4426.8/43

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -14.478 ± 2.220 χ^2/NDF : 0.0/0

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 6.290 ± 0.973 χ^2/NDF : 560.9/1

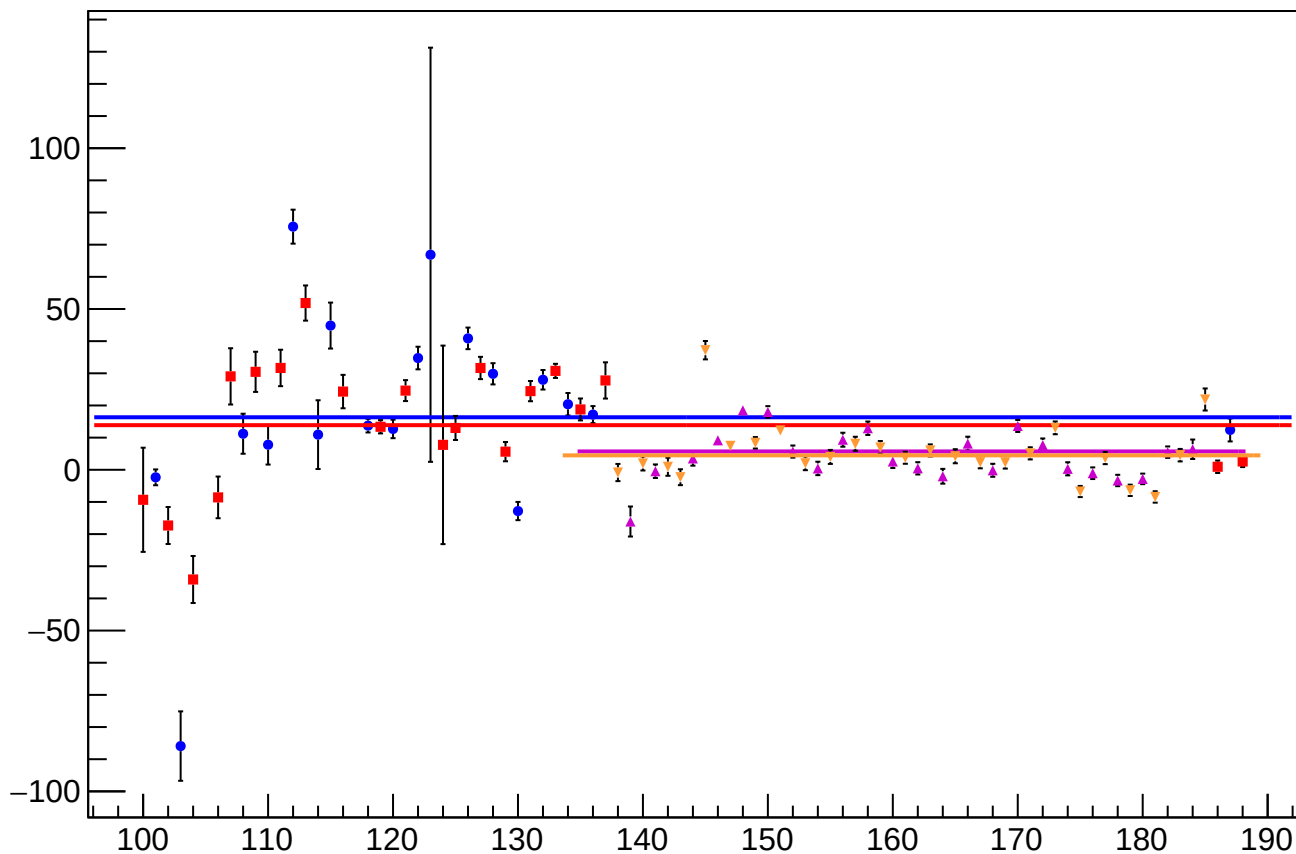
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -8.628 ± 0.487 χ^2/NDF : 2233.5/25

All: -6.916 ± 0.331 χ^2/NDF : 5226.6/50

- sign -5.458 ± 0.450 χ^2/NDF : 2970.3/24

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.332 ± 0.836 $\chi^2/\text{NDF}: 516.2/17$

Left Out: 4.484 ± 0.392 $\chi^2/\text{NDF}: 371.9/24$

Right Out: 13.875 ± 0.737 $\chi^2/\text{NDF}: 369.4/20$

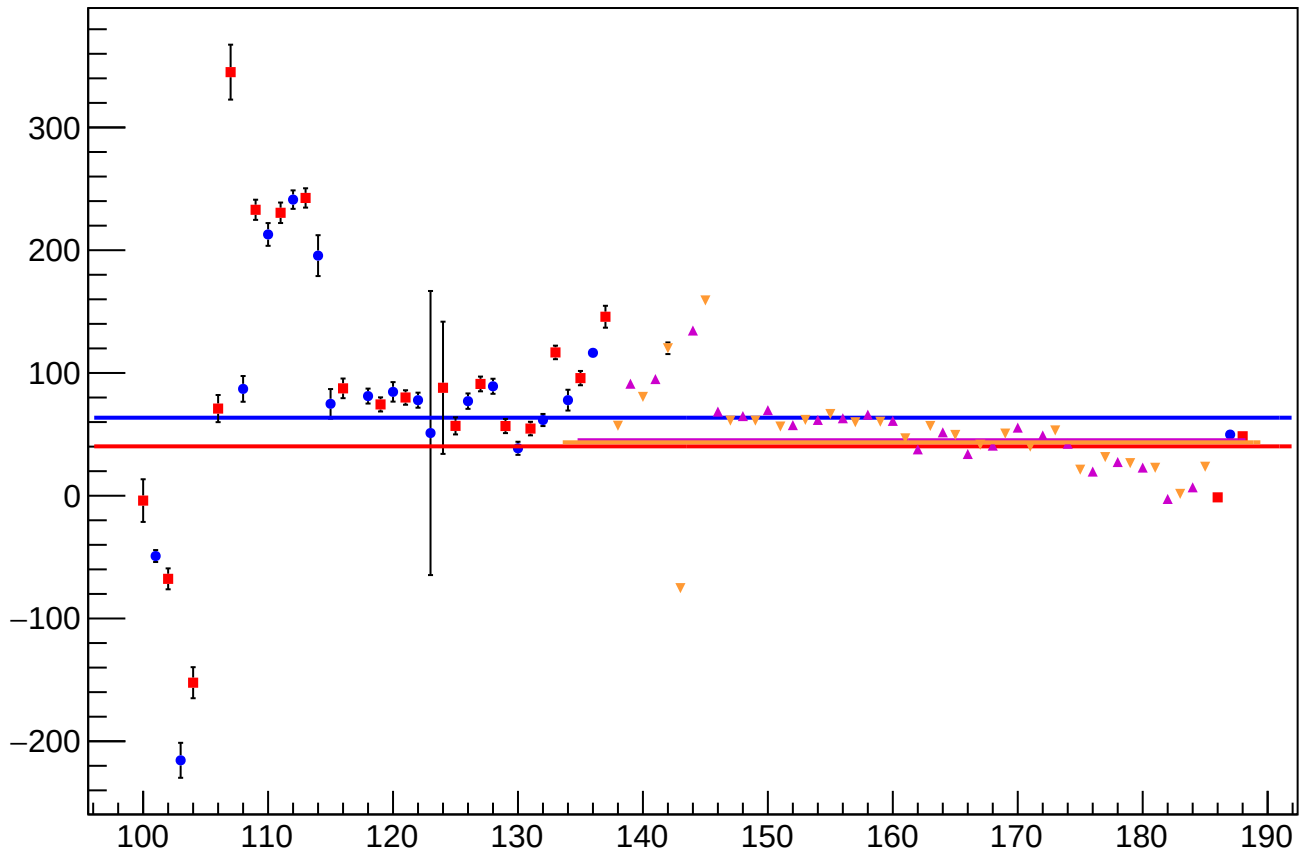
Left In: 5.705 ± 0.404 $\chi^2/\text{NDF}: 324.1/22$

+ sign 6.620 ± 0.355 $\chi^2/\text{NDF}: 1052.6/42$

All: 7.107 ± 0.251 $\chi^2/\text{NDF}: 1844.2/86$

- sign 7.593 ± 0.354 $\chi^2/\text{NDF}: 787.8/43$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 63.564 ± 1.223 χ^2/NDF : 2097.7/17

Left Out: 43.524 ± 0.498 χ^2/NDF : 3830.7/24

Right Out: 40.223 ± 0.711 χ^2/NDF : 4116.0/20

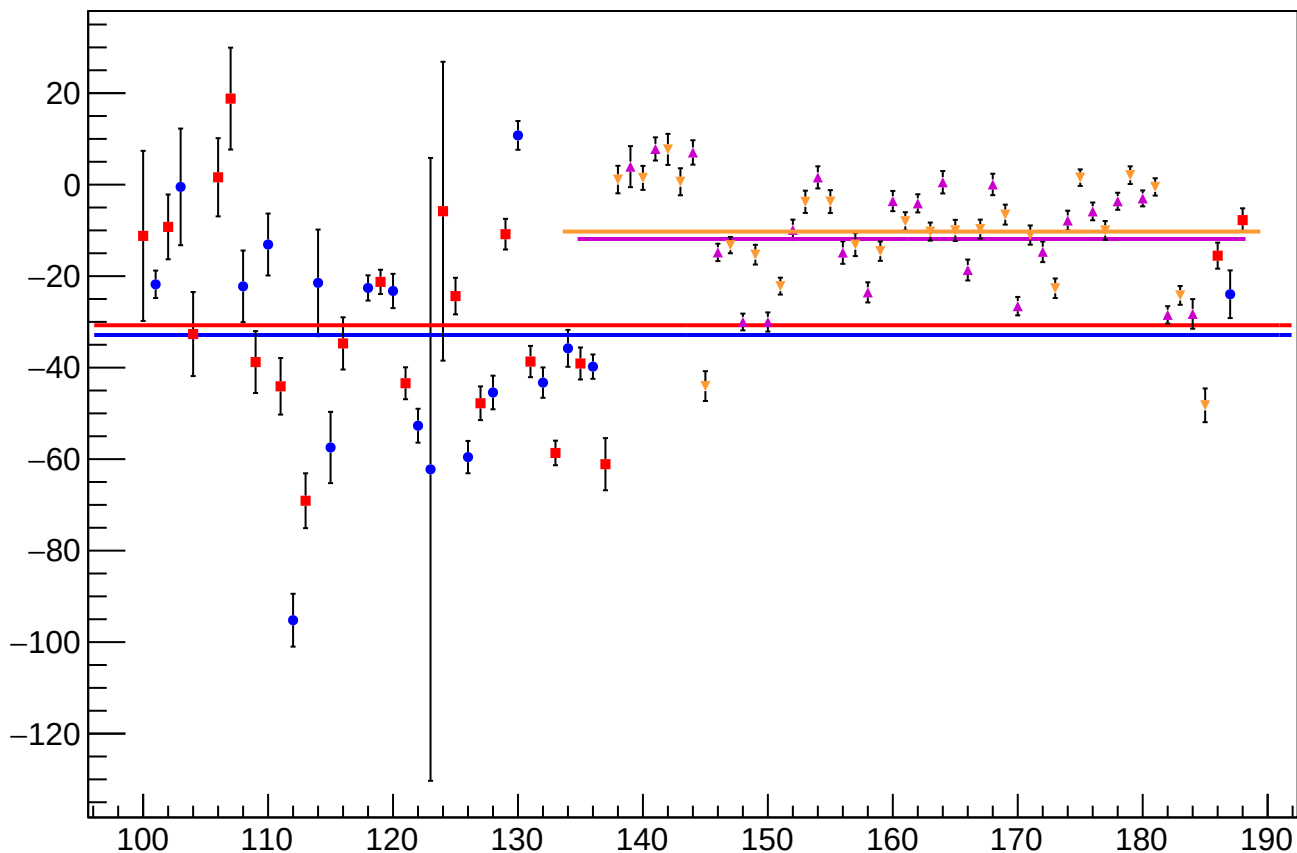
Left In: 45.211 ± 0.504 χ^2/NDF : 3048.5/22

+ sign 46.378 ± 0.462 χ^2/NDF : 6158.6/42

All: 44.797 ± 0.307 χ^2/NDF : 13376.9/86

- sign 43.541 ± 0.411 χ^2/NDF : 7197.3/43

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -32.865 ± 0.967 χ^2/NDF : 488.4/17

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -30.735 ± 0.904 χ^2/NDF : 432.7/20

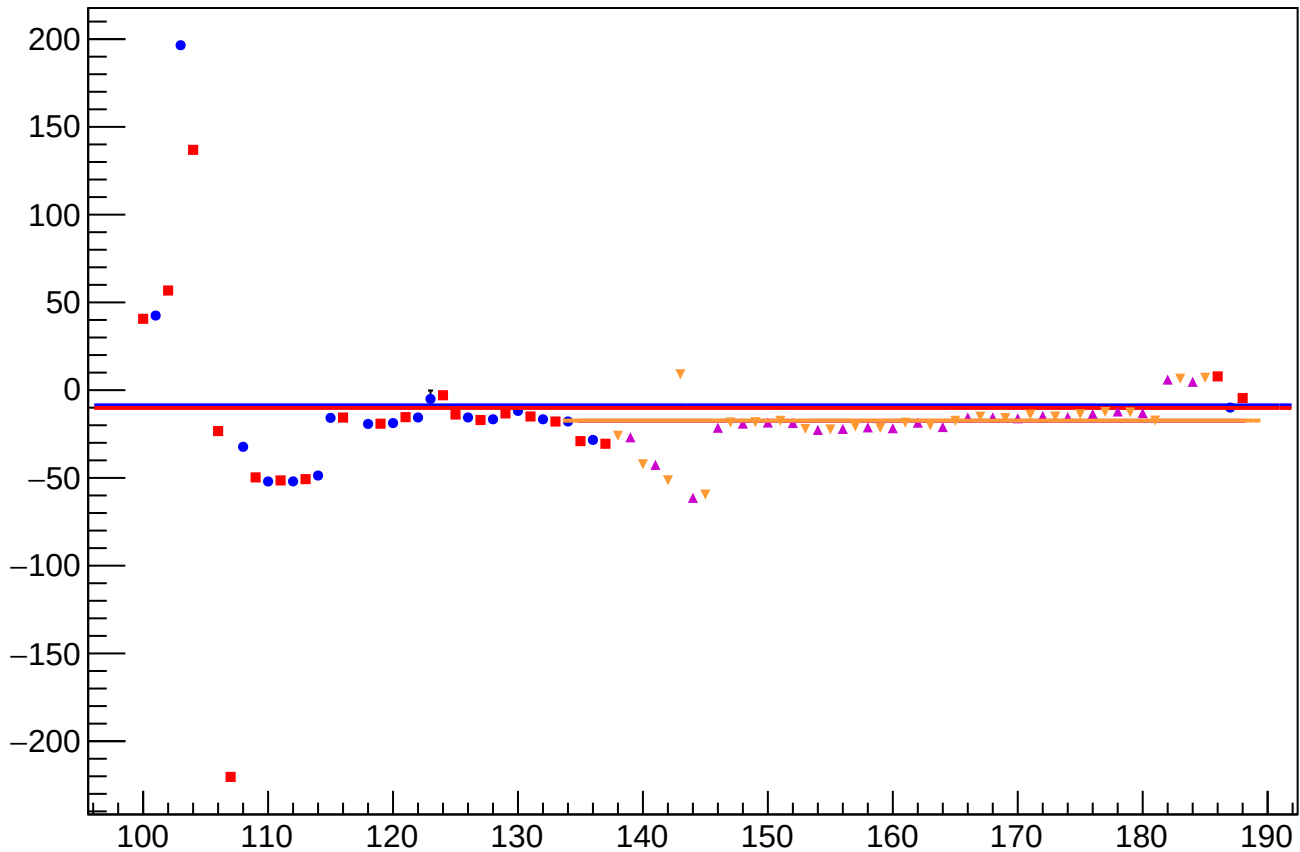
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -14.200 ± 0.404 χ^2/NDF : 1492.5/42

All: -14.944 ± 0.287 χ^2/NDF : 2945.1/86

- sign -15.701 ± 0.407 χ^2/NDF : 1445.7/43

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.680 ± 0.058 $\chi^2/\text{NDF}: 575578.2/17$

Left Out: -17.333 ± 0.020 $\chi^2/\text{NDF}: 325197.2/24$

Right Out: -10.111 ± 0.054 $\chi^2/\text{NDF}: 570320.9/20$

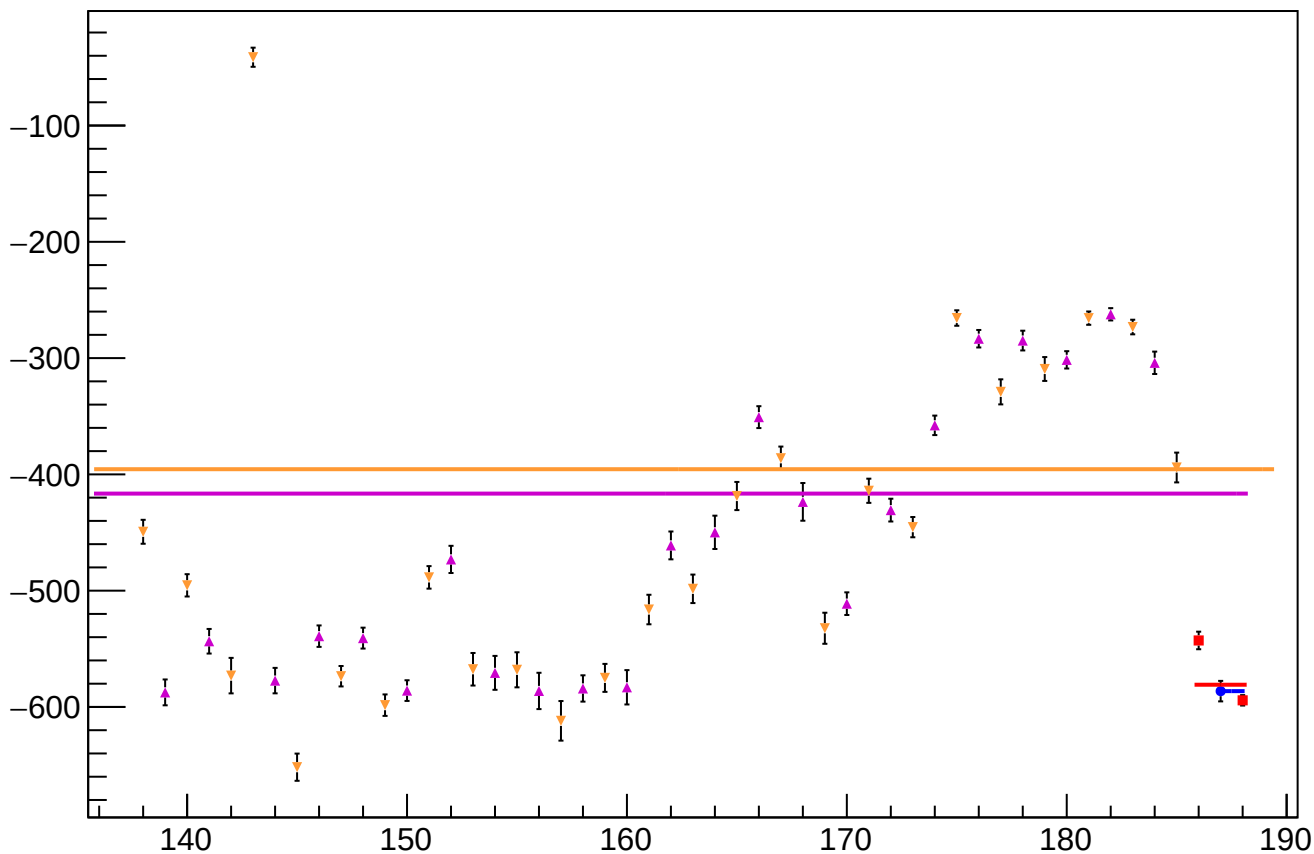
Left In: -17.491 ± 0.021 $\chi^2/\text{NDF}: 259215.8/22$

+ sign -16.380 ± 0.019 $\chi^2/\text{NDF}: 920590.3/42$

All: -16.462 ± 0.014 $\chi^2/\text{NDF}: 1766502.3/86$

- sign -16.544 ± 0.019 $\chi^2/\text{NDF}: 845875.5/43$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -586.400+/-8.817 χ^2 /NDF: 0.0/0

Left Out: -395.547+/-1.953 χ^2 /NDF:5946.5/24

Right Out: -580.890+/-3.856 χ^2 /NDF: 34.3/1

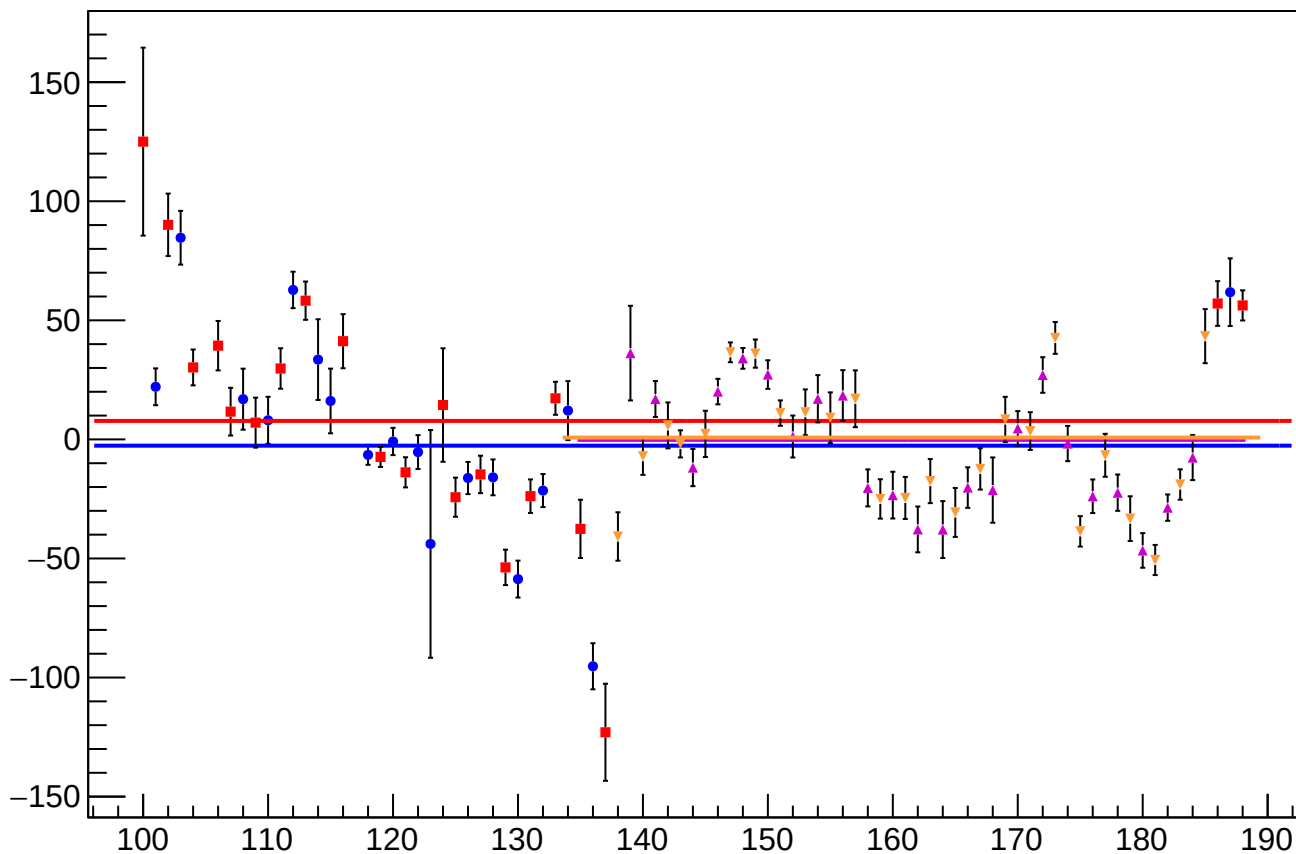
Left In: -416.521+/-2.005 χ^2 /NDF:3917.0/22

+ sign -404.477+/-1.907 χ^2 /NDF: 6393.2/25

All: -429.621+/-1.301 χ^2 /NDF: 12099.7/50

- sign -451.492+/-1.779 χ^2 /NDF: 5381.5/24

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -2.637 ± 1.909 χ^2/NDF : 335.3/17

Left Out: 0.767 ± 1.503 χ^2/NDF : 350.1/24

Right Out: 7.762 ± 1.801 χ^2/NDF : 401.2/20

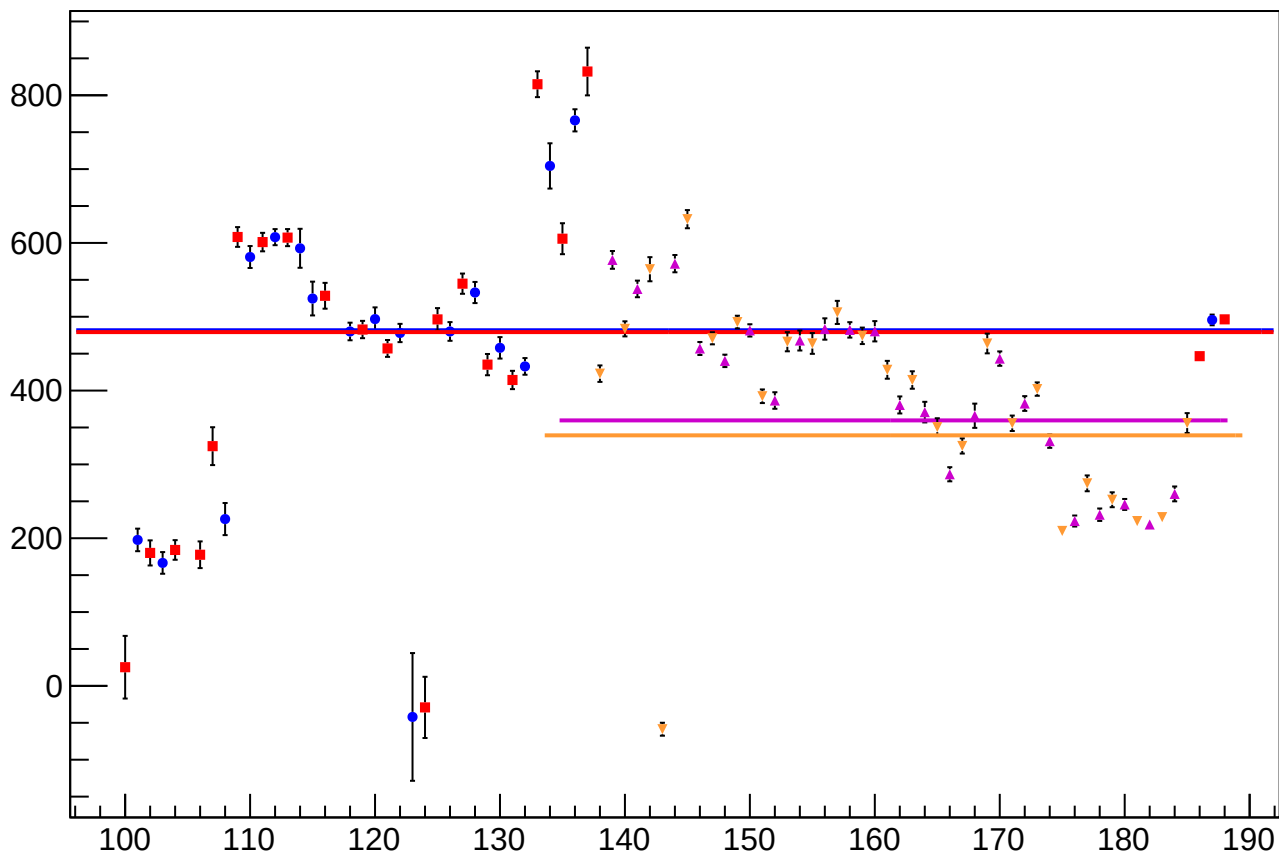
Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

+ sign -0.535 ± 1.181 χ^2/NDF : 687.3/42

All: 1.350 ± 0.837 χ^2/NDF : 1365.5/86

- sign 3.251 ± 1.186 χ^2/NDF : 673.1/43

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 481.709 ± 3.274 $\chi^2/\text{NDF}: 1632.2/17$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 479.214 ± 2.331 $\chi^2/\text{NDF}: 2339.9/20$

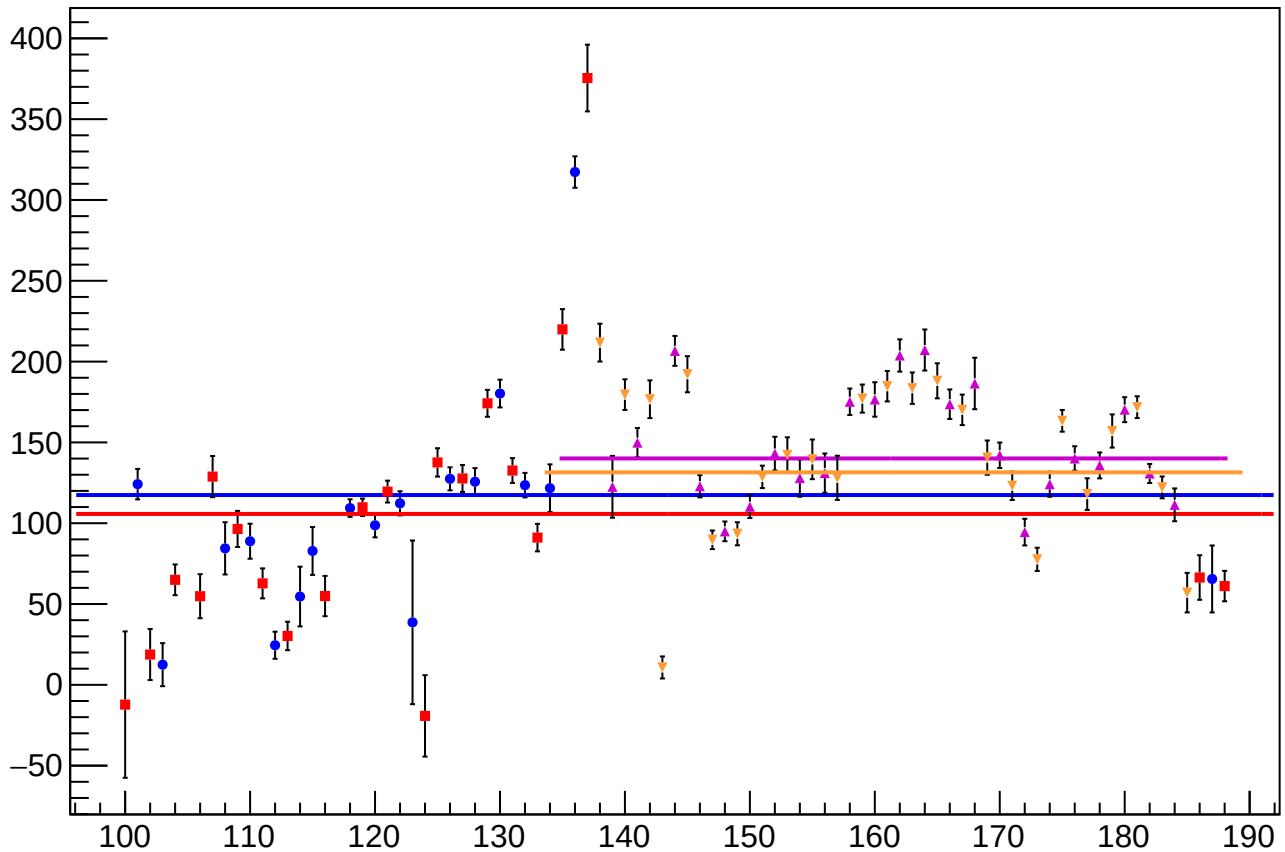
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 376.983 ± 1.683 $\chi^2/\text{NDF}: 8525.4/42$

All: 395.395 ± 1.128 $\chi^2/\text{NDF}: 15995.2/86$

- sign 410.390 ± 1.519 $\chi^2/\text{NDF}: 7252.8/43$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 117.434 ± 2.218 $\chi^2/\text{NDF}: 711.4/17$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 105.736 ± 2.125 $\chi^2/\text{NDF}: 601.3/20$

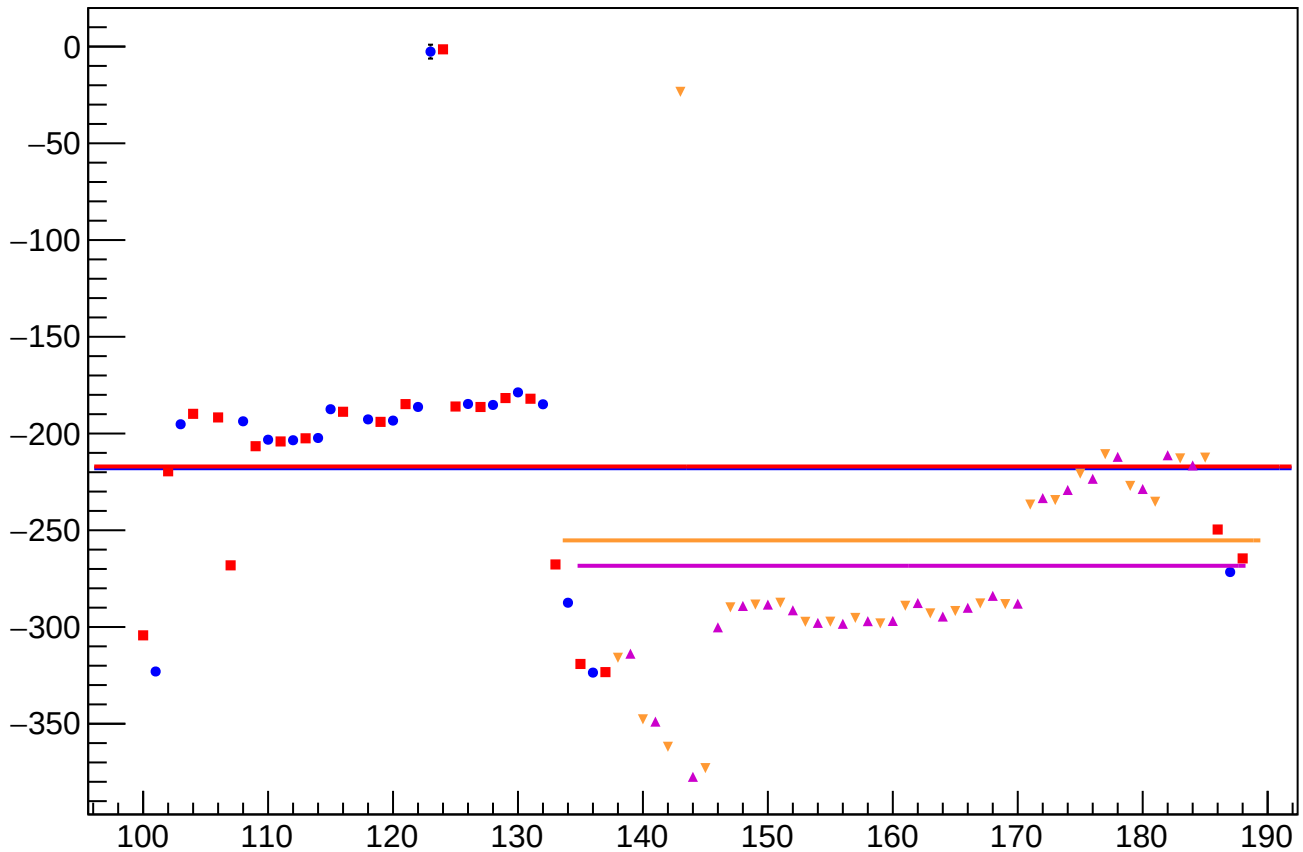
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 126.165 ± 1.363 $\chi^2/\text{NDF}: 1545.6/42$

All: 125.970 ± 0.967 $\chi^2/\text{NDF}: 2615.8/86$

- sign 125.772 ± 1.371 $\chi^2/\text{NDF}: 1070.1/43$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.935 $\pm$ 0.136 χ^2/NDF : 148585.1/17

Left Out: -255.232 $\pm$ 0.082 χ^2/NDF : 728016.7/24

Right Out: -217.035 $\pm$ 0.125 χ^2/NDF : 127981.7/20

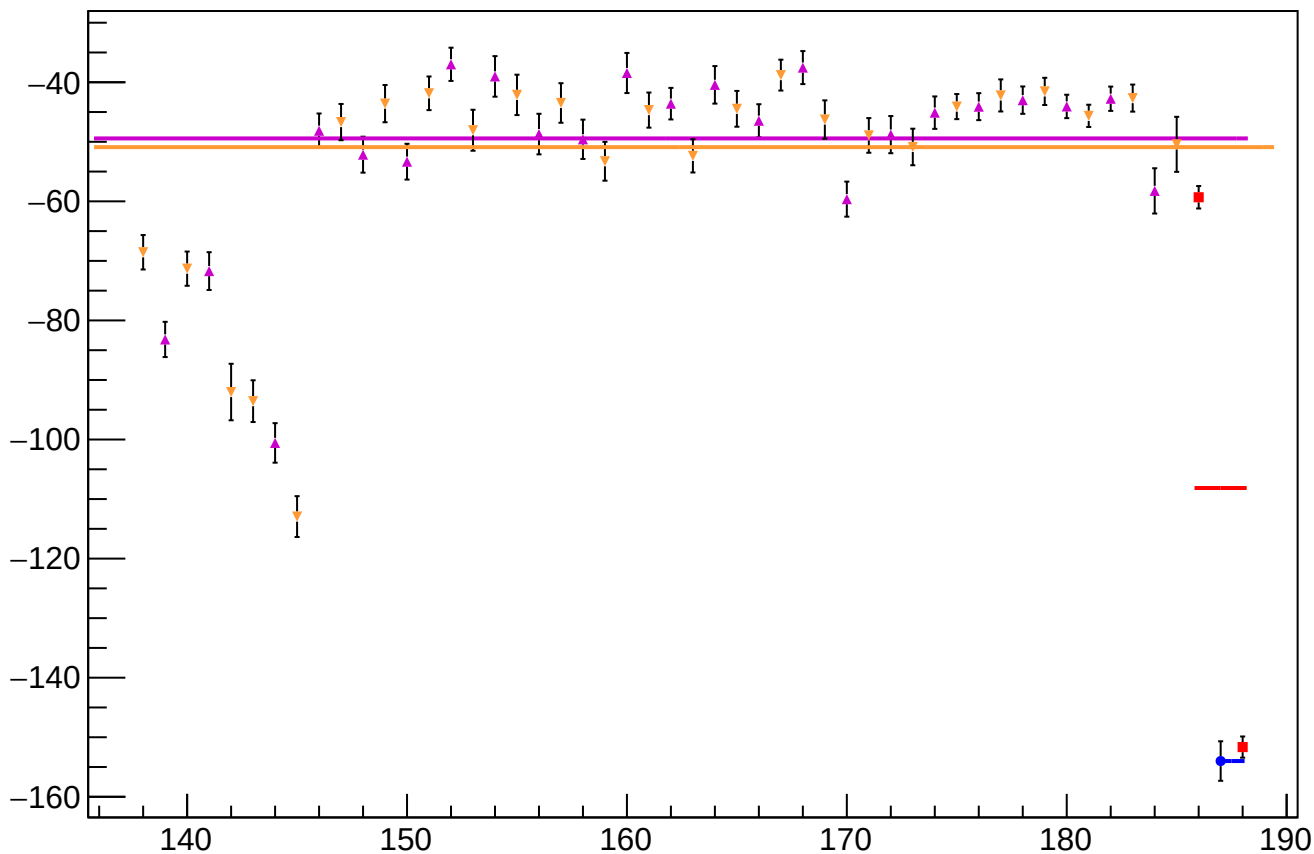
Left In: -268.353 $\pm$ 0.084 χ^2/NDF : 262479.3/22

+ sign -245.280 $\pm$ 0.070 χ^2/NDF : 931855.1/42

All: -248.882 $\pm$ 0.049 χ^2/NDF : 1444548.5/86

- sign -252.407 $\pm$ 0.069 χ^2/NDF : 507480.9/43

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -153.998 ± 3.318 χ^2/NDF : 0.0/0

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -108.144 ± 1.295 χ^2/NDF : 1267.7/1

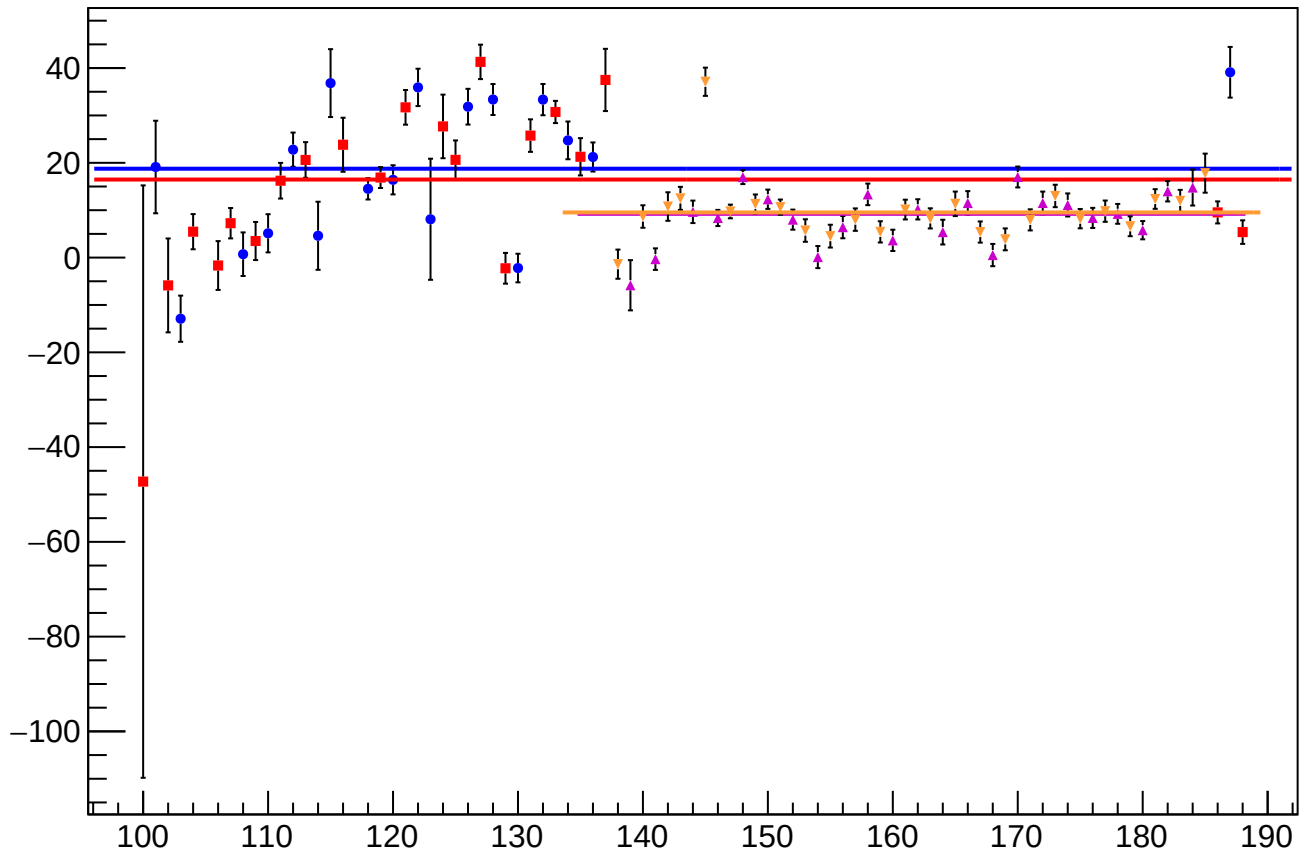
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -53.881 ± 0.564 χ^2/NDF : 1698.7/25

All: -56.779 ± 0.387 χ^2/NDF : 5268.8/50

- sign -59.358 ± 0.532 χ^2/NDF : 3520.3/24

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.757 ± 0.905 χ^2/NDF : 221.5/17

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 16.473 ± 0.770 χ^2/NDF : 234.9/20

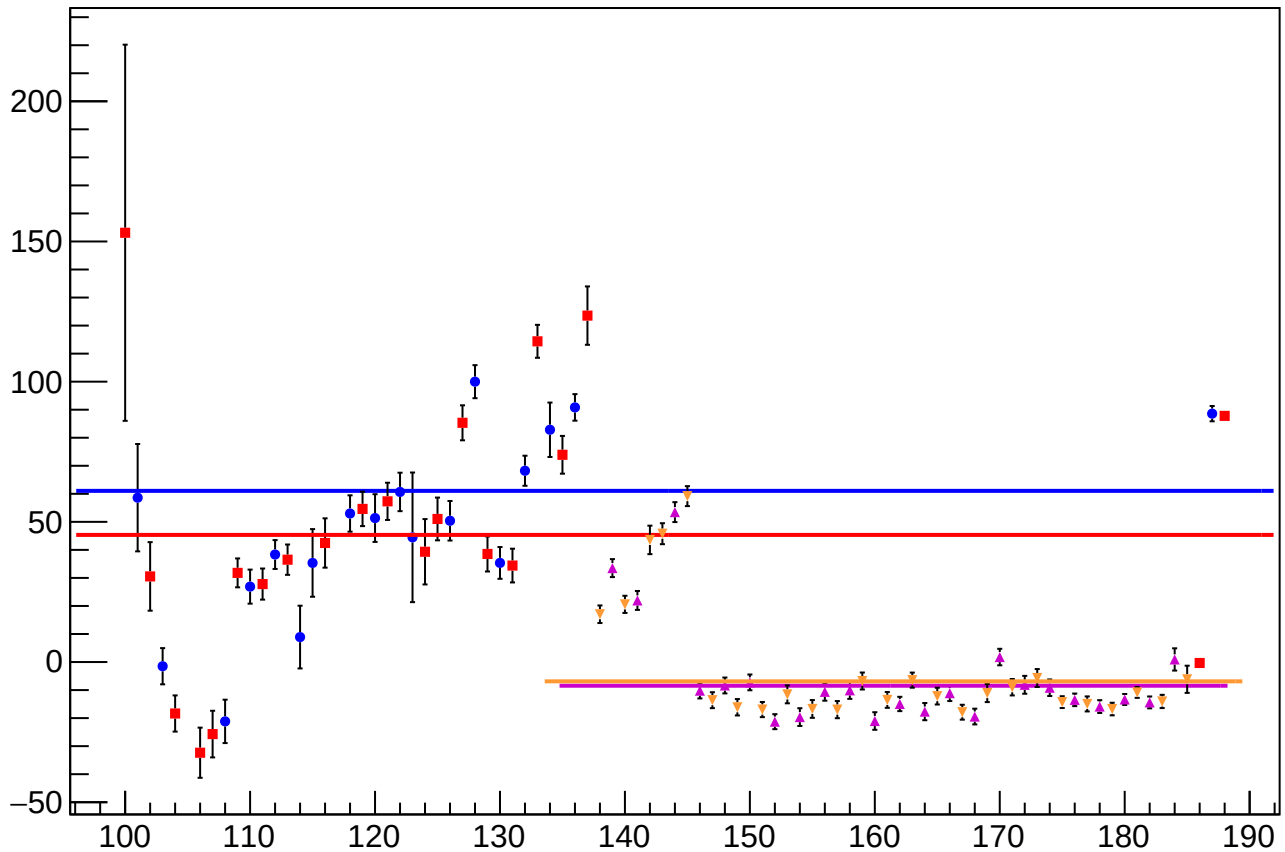
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 11.331 ± 0.400 χ^2/NDF : 439.4/42

All: 11.238 ± 0.281 χ^2/NDF : 863.5/86

- sign 11.146 ± 0.396 χ^2/NDF : 424.0/43

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 61.051 $\pm$ 1.431 χ^2 /NDF: 502.5/17

Left Out: -6.888 $\pm$ 0.571 χ^2 /NDF: 914.2/24

Right Out: 45.344 $\pm$ 0.873 χ^2 /NDF: 2323.2/20

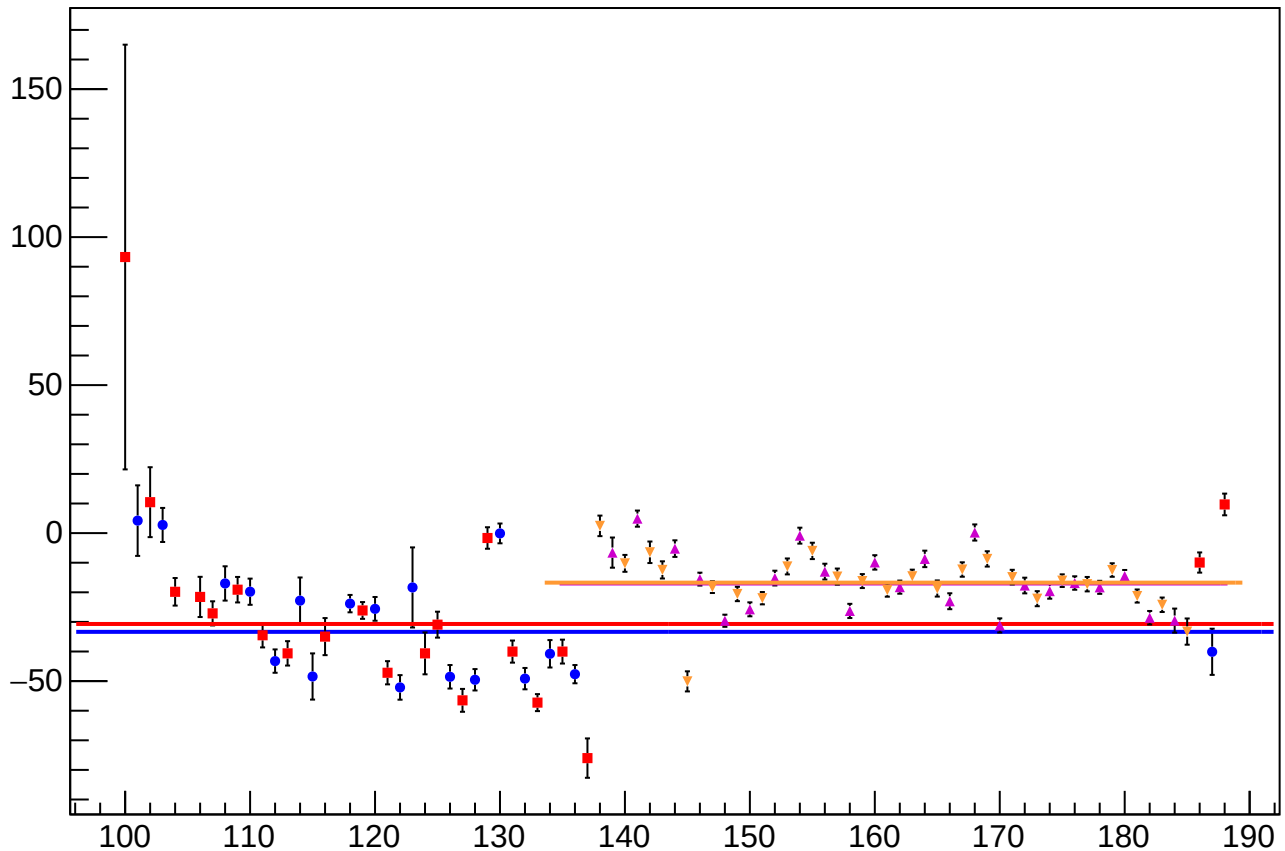
Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

+ sign 2.447 $\pm$ 0.530 χ^2 /NDF: 3362.1/42

All: 5.487 $\pm$ 0.357 χ^2 /NDF: 9068.4/86

- sign 8.010 $\pm$ 0.483 χ^2 /NDF: 5646.1/43

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.359 ± 1.036 χ^2/NDF : 292.1/17

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -30.697 ± 0.923 χ^2/NDF : 470.4/20

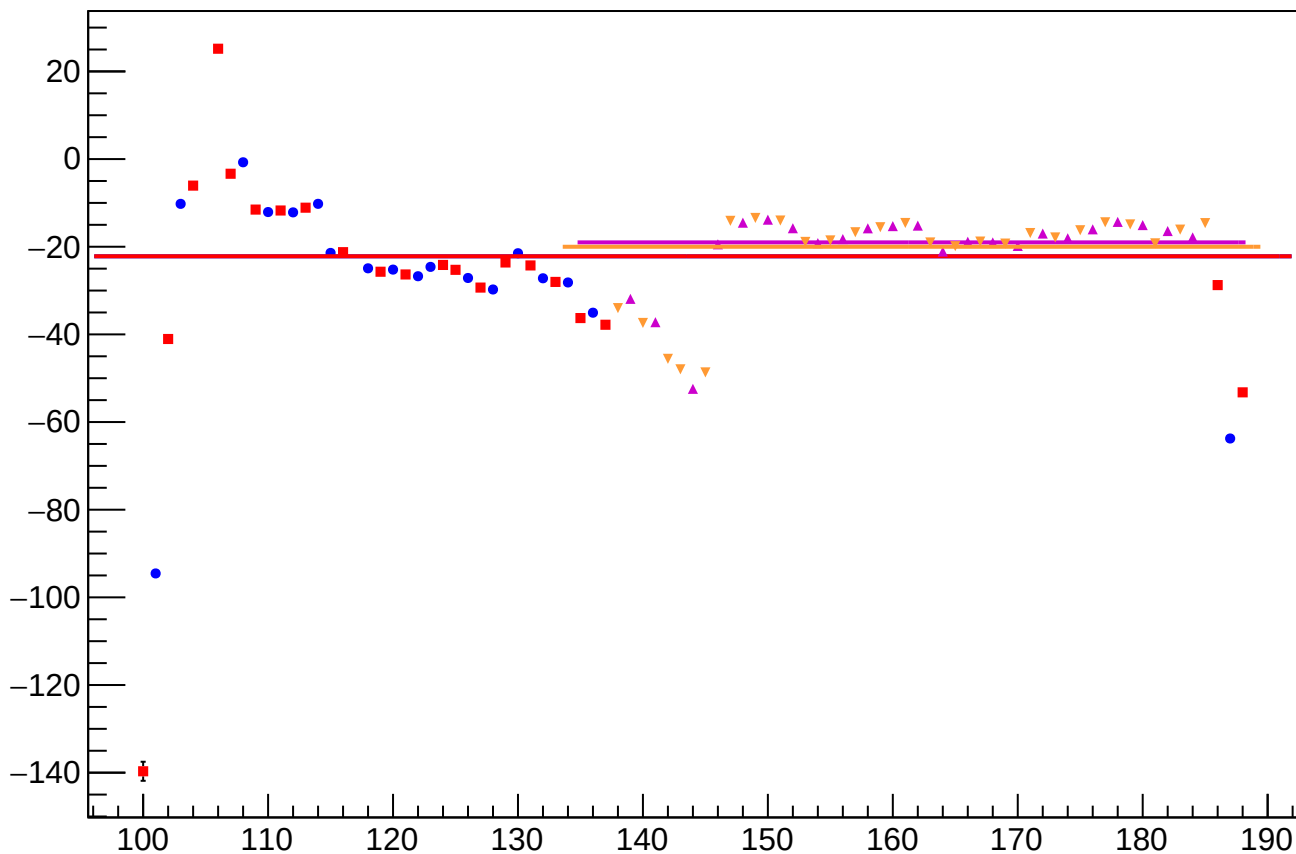
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.942 ± 0.455 χ^2/NDF : 723.2/42

All: -20.140 ± 0.322 χ^2/NDF : 1687.9/86

- sign -20.337 ± 0.454 χ^2/NDF : 964.4/43

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.189 ± 0.058 χ^2/NDF : 58054.3/17

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -22.178 ± 0.053 χ^2/NDF : 117026.6/20

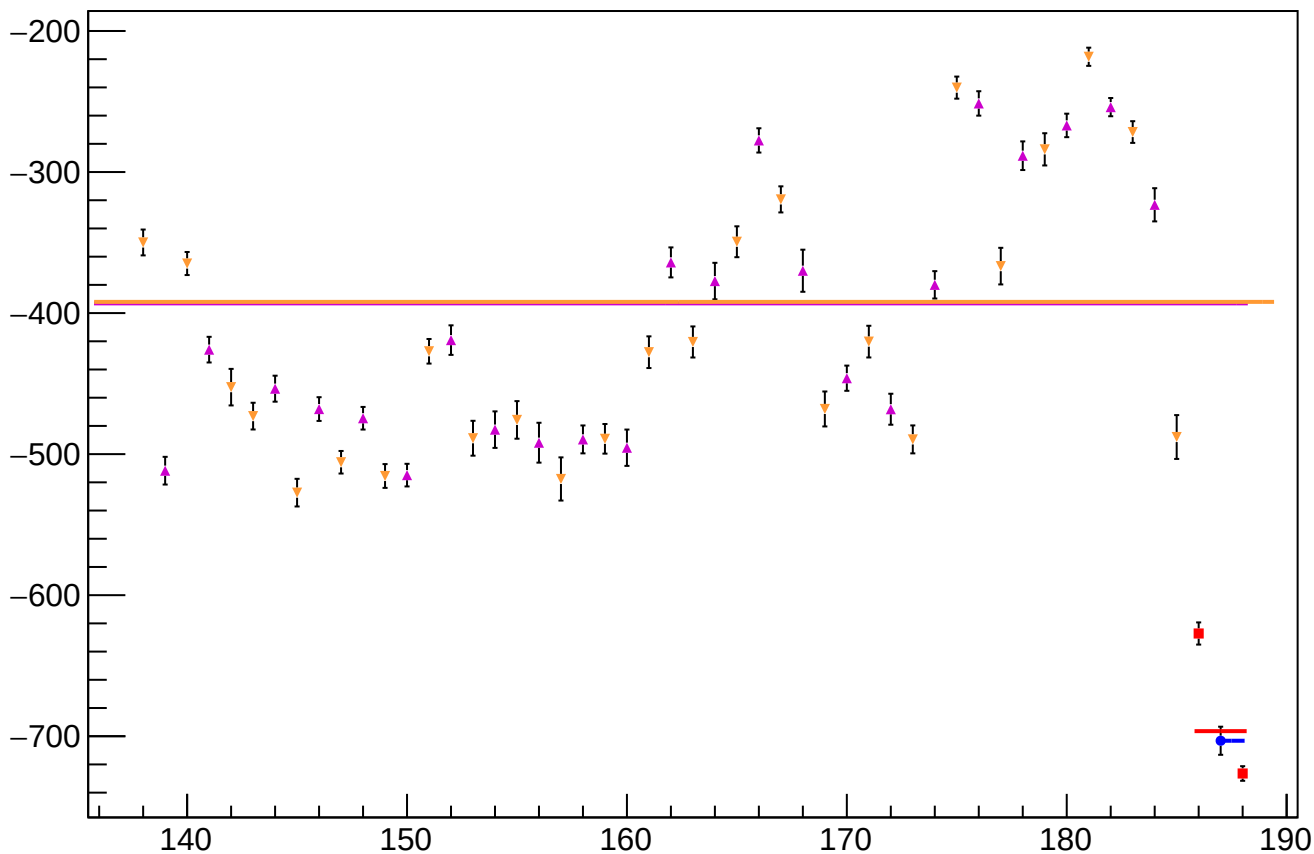
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -20.305 ± 0.022 χ^2/NDF : 204881.8/42

All: -19.918 ± 0.015 χ^2/NDF : 416381.7/86

- sign -19.531 ± 0.022 χ^2/NDF : 210859.6/43

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -703.210+/-9.965 χ^2 /NDF: 0.0/0

Left Out: -392.054+/-1.967 χ^2 /NDF:2717.2/24

Right Out: -696.396+/-4.325 χ^2 /NDF: 111.2/1

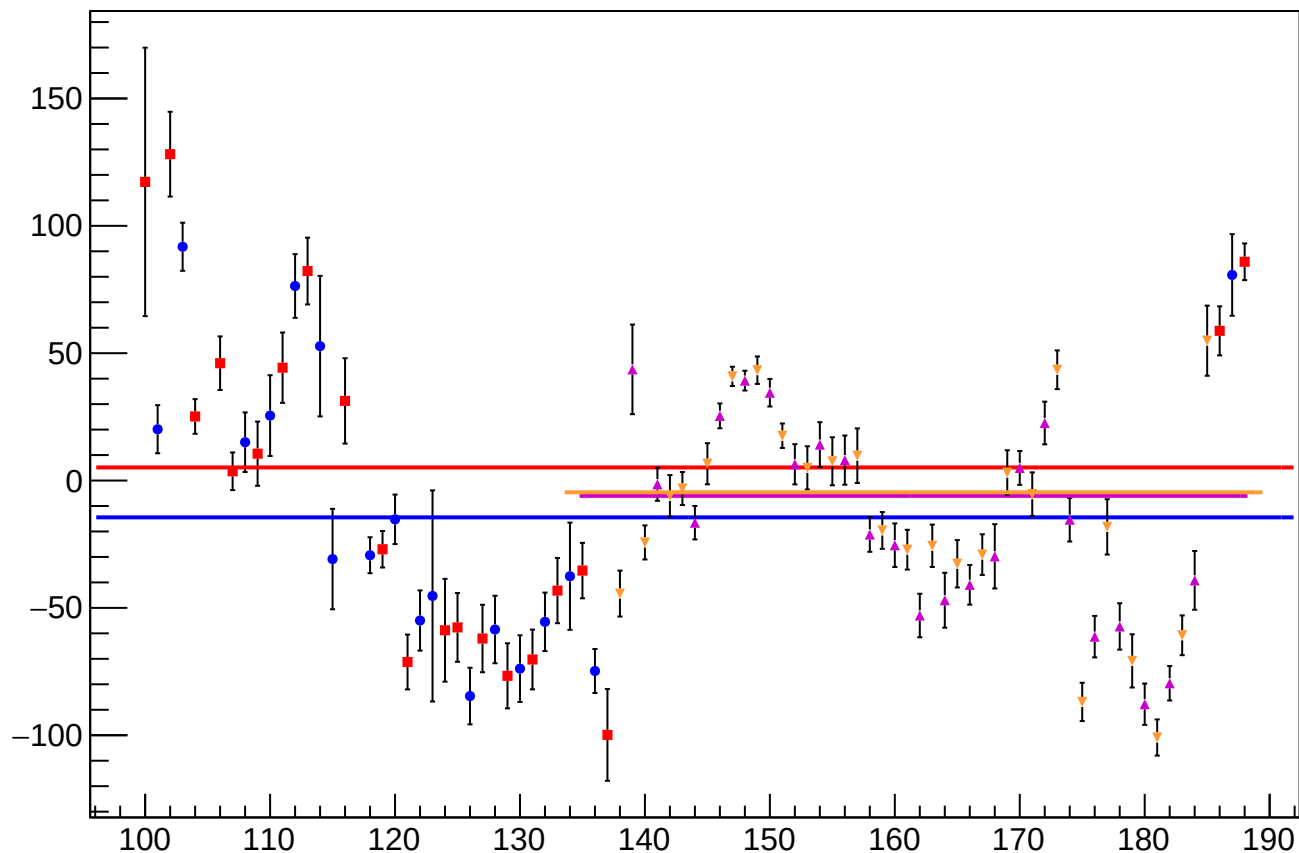
Left In: -393.113+/-2.006 χ^2 /NDF:2253.3/22

+ sign -403.720+/-1.929 χ^2 /NDF: 3655.7/25

All: -426.519+/-1.324 χ^2 /NDF: 10331.7/50

- sign -446.794+/-1.819 χ^2 /NDF: 6412.1/24

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -14.460 ± 2.783 χ^2/NDF : 398.4/17

Left Out: -4.624 ± 1.462 χ^2/NDF : 772.9/24

Right Out: 5.134 ± 2.379 χ^2/NDF : 557.2/20

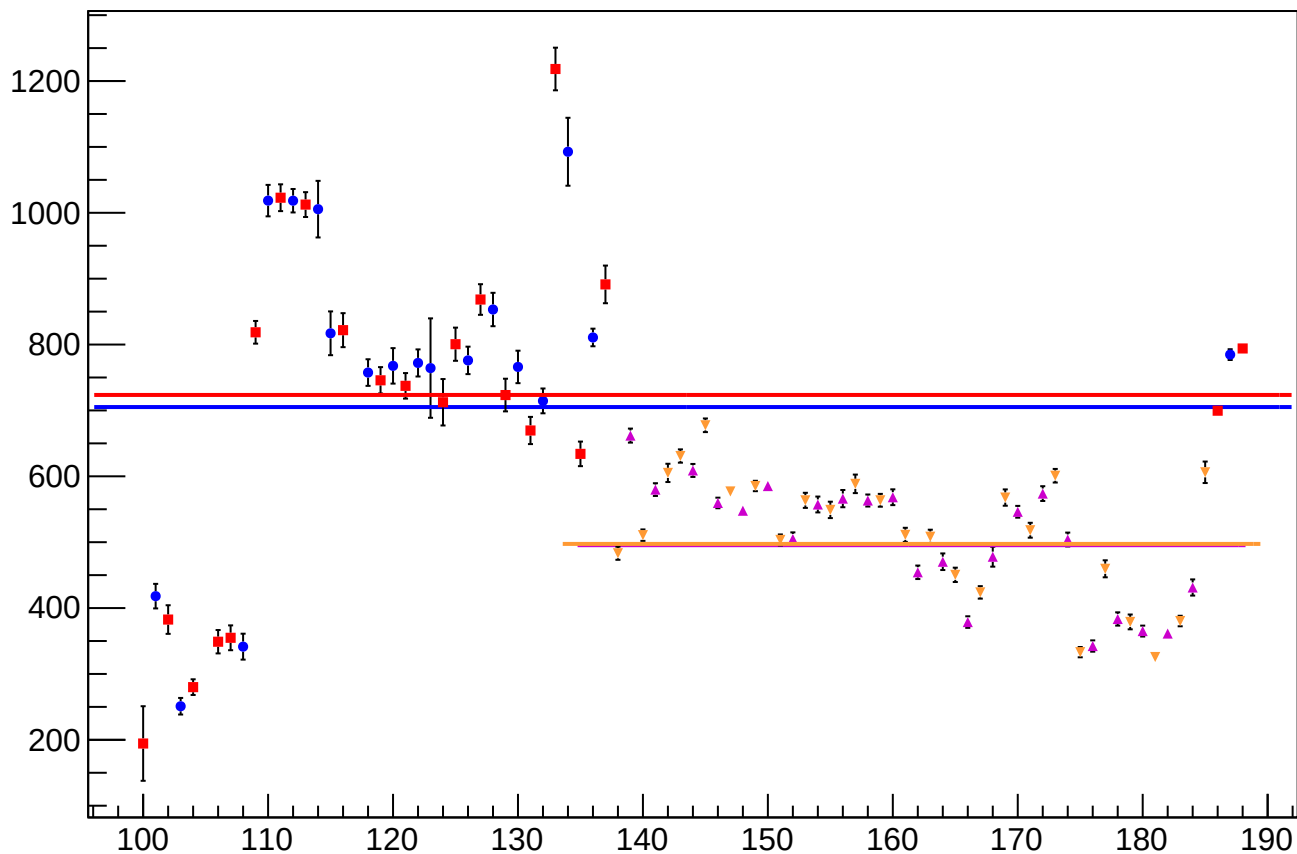
Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -6.752 ± 1.294 χ^2/NDF : 1181.1/42

All: -4.750 ± 0.910 χ^2/NDF : 2412.7/86

- sign -2.797 ± 1.279 χ^2/NDF : 1226.9/43

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 705.132 $\pm$ 4.314 χ^2 /NDF: 2711.6/17

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF:2614.6/24

Right Out: 723.507 $\pm$ 2.802 χ^2 /NDF: 3697.0/20

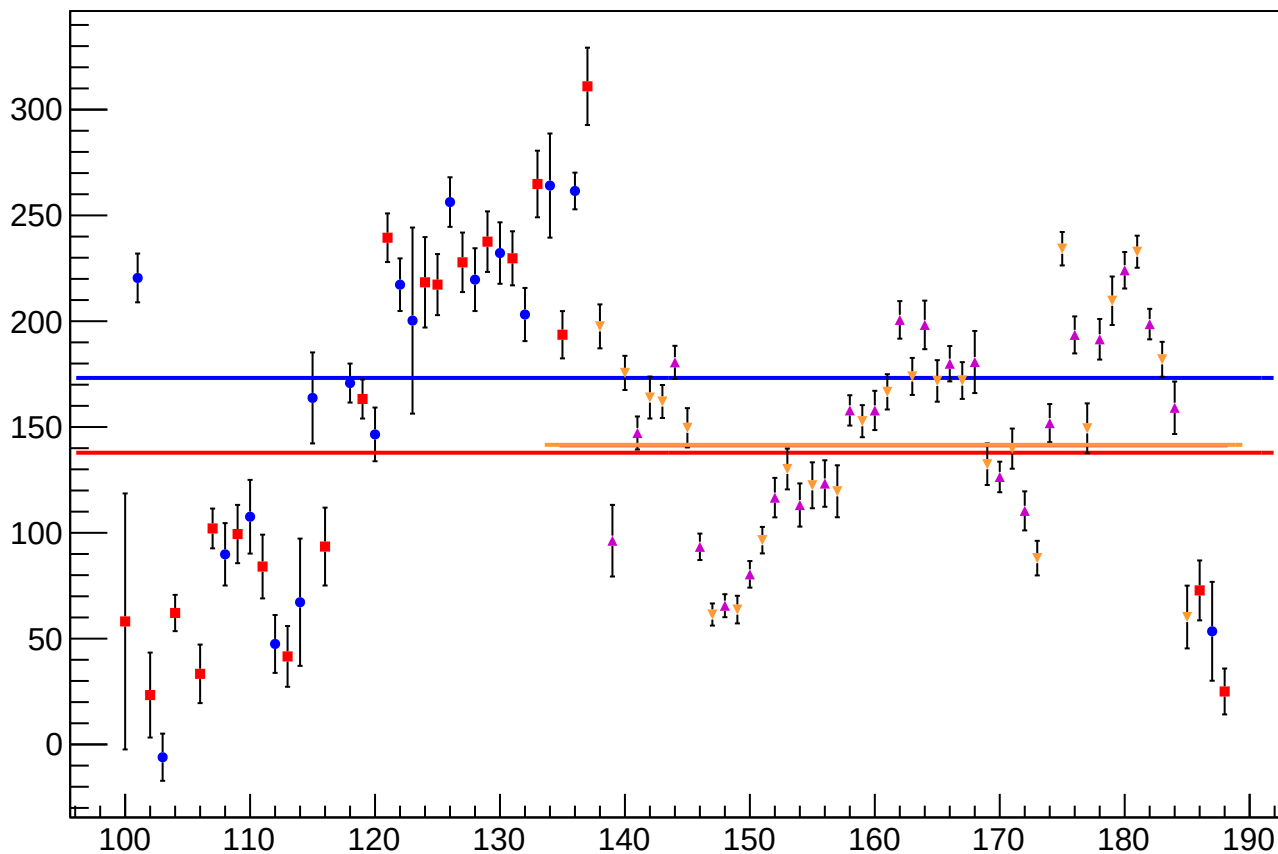
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF:2253.8/22

+ sign 533.107 $\pm$ 1.789 χ^2 /NDF: 7246.6/42

All: 554.437 $\pm$ 1.202 χ^2 /NDF: 17855.8/86

- sign 572.010 $\pm$ 1.624 χ^2 /NDF: 10349.9/43

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 173.199 $\pm$ 3.215 χ^2 /NDF: 662.2/17

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 137.856 $\pm$ 2.872 χ^2 /NDF: 835.9/20

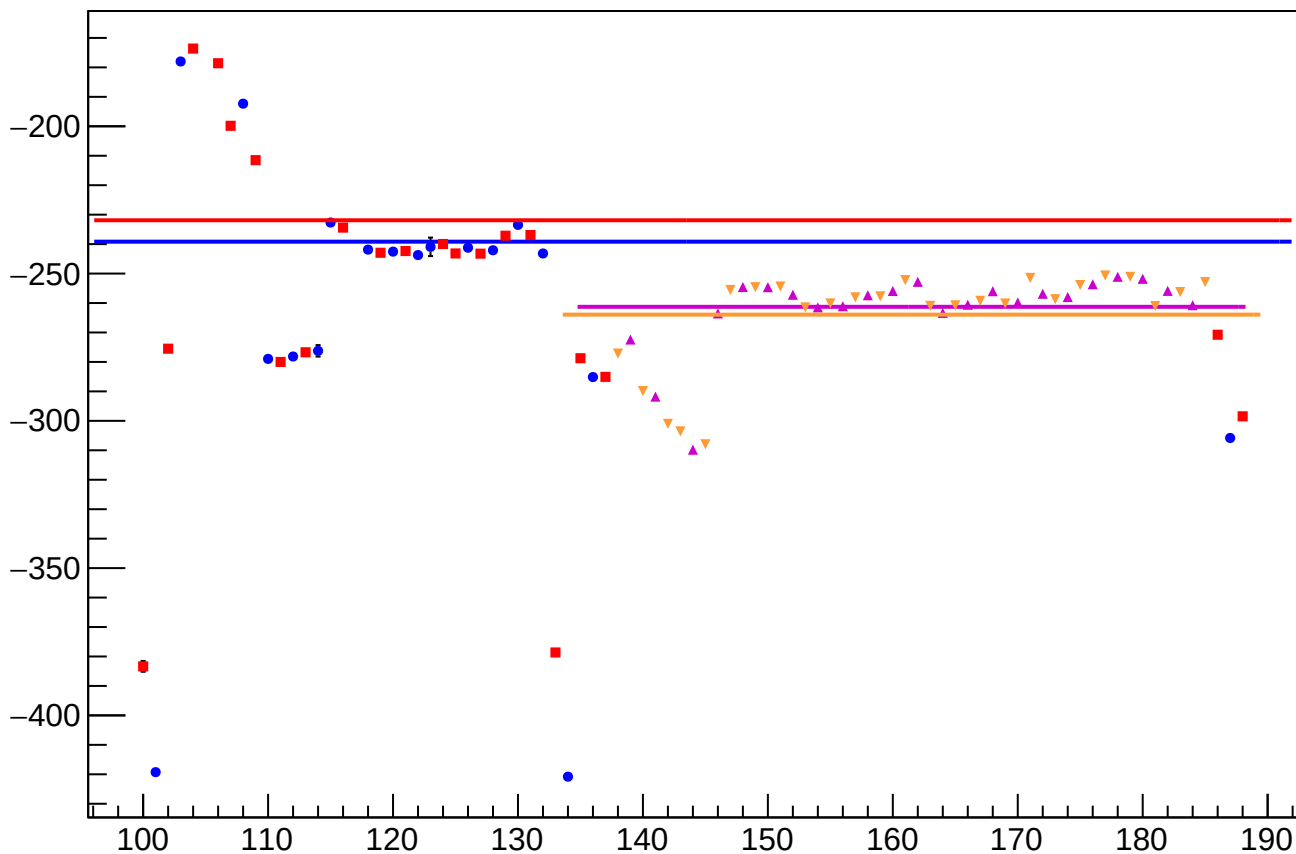
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 148.487 $\pm$ 1.502 χ^2 /NDF: 1697.4/42

All: 144.427 $\pm$ 1.059 χ^2 /NDF: 3290.1/86

- sign 140.413 $\pm$ 1.493 χ^2 /NDF: 1578.2/43

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -239.170 $\pm$ 0.159 χ^2 /NDF: 169654.7/17

Left Out: -263.943 $\pm$ 0.081 χ^2 /NDF: 39085.0/24

Right Out: -231.904 $\pm$ 0.145 χ^2 /NDF: 118263.3/20

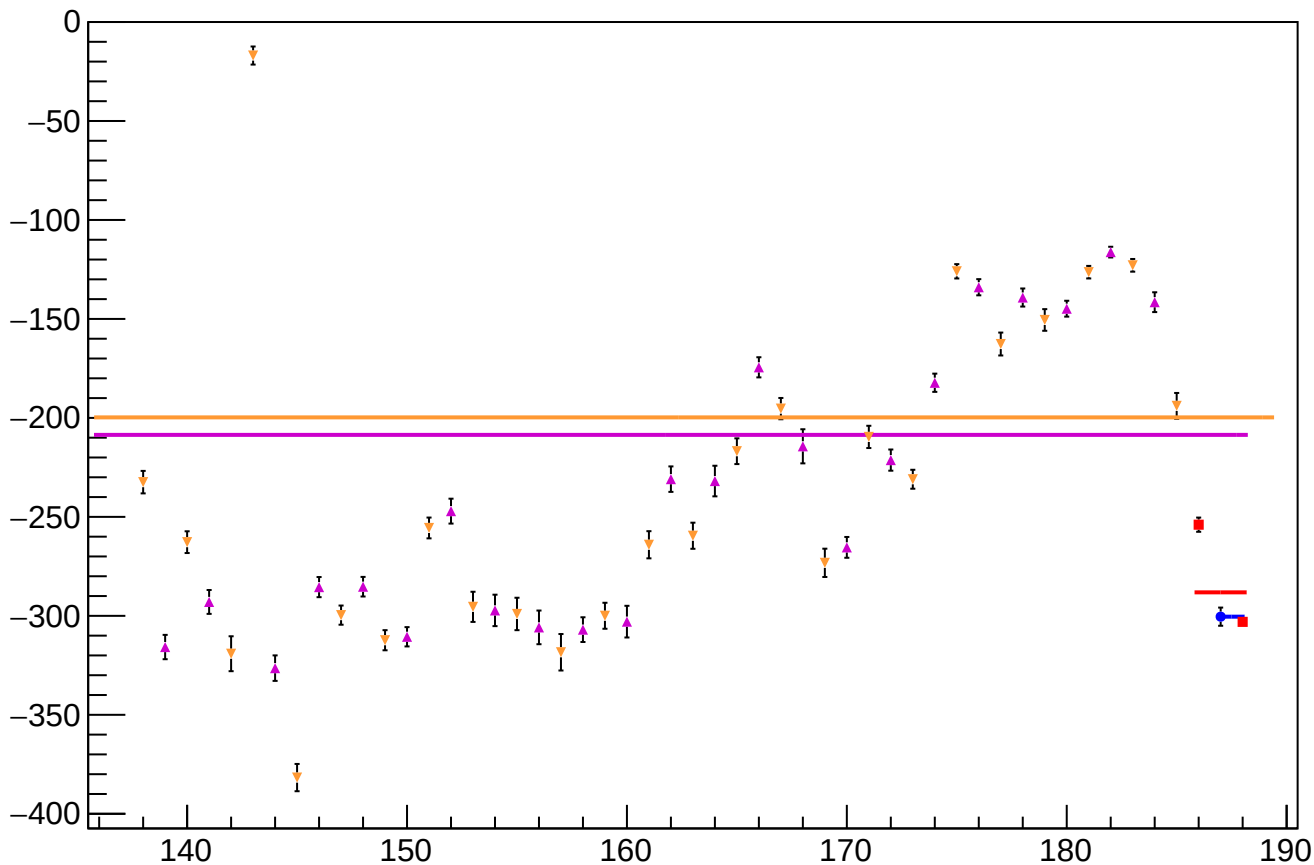
Left In: -261.286 $\pm$ 0.082 χ^2 /NDF: 23348.4/22

+ sign -258.836 $\pm$ 0.072 χ^2 /NDF: 227906.1/42

All: -256.469 $\pm$ 0.051 χ^2 /NDF: 402744.8/86

- sign -254.169 $\pm$ 0.071 χ^2 /NDF: 172730.7/43

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -300.418 $\pm$ 4.592 χ^2 /NDF: 0.0/0

Left Out: -199.741 $\pm$ 1.061 χ^2 /NDF:6361.5/24

Right Out: -288.132 $\pm$ 1.978 χ^2 /NDF: 130.3/1

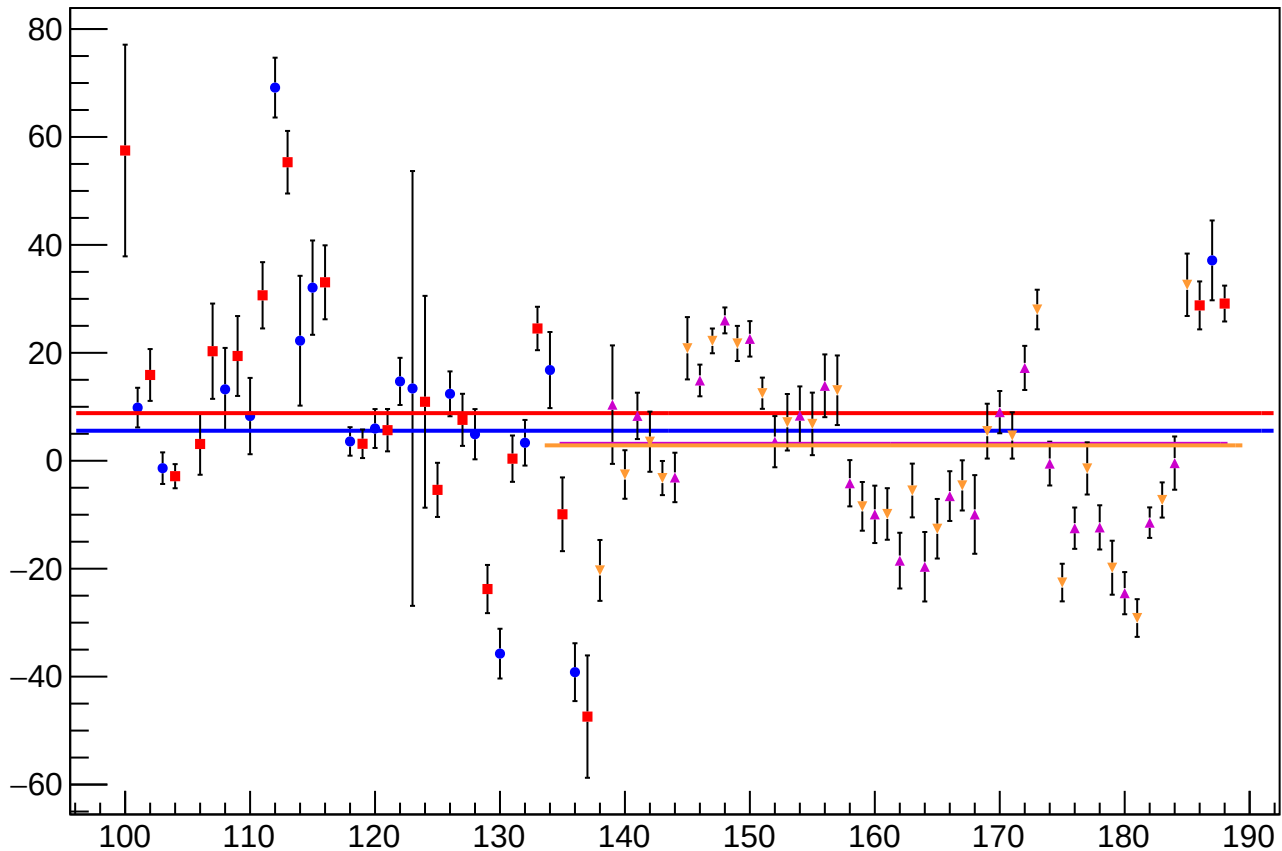
Left In: -208.579 $\pm$ 1.082 χ^2 /NDF:4805.1/22

+ sign -204.846 $\pm$ 1.034 χ^2 /NDF: 6817.9/25

All: -216.815 $\pm$ 0.699 χ^2 /NDF: 13245.2/50

- sign -226.908 $\pm$ 0.949 χ^2 /NDF: 6180.3/24

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 5.562 ± 1.095 $\chi^2/\text{NDF}: 329.5/17$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 8.824 ± 0.993 $\chi^2/\text{NDF}: 305.2/20$

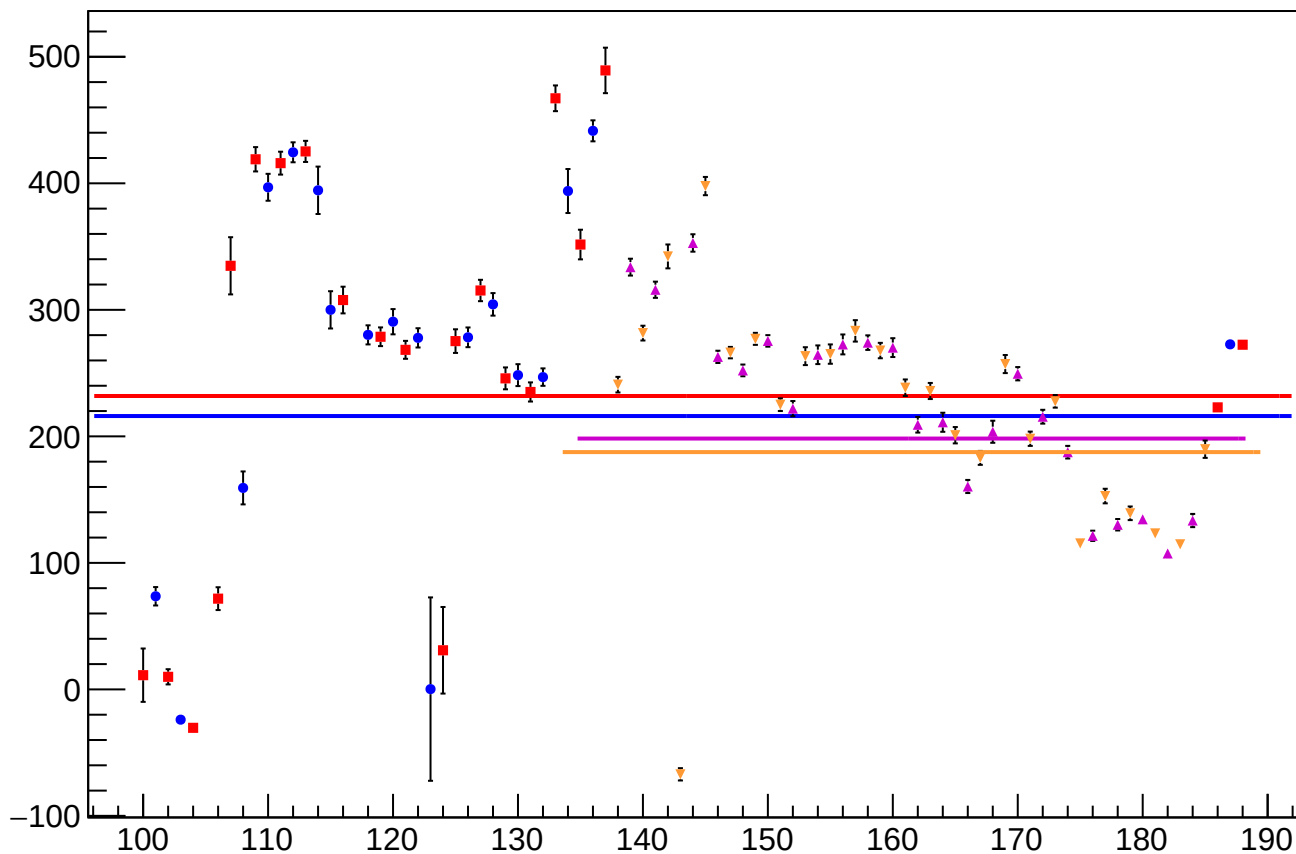
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 3.826 ± 0.656 $\chi^2/\text{NDF}: 753.3/42$

All: 4.705 ± 0.461 $\chi^2/\text{NDF}: 1400.6/86$

- sign 5.563 ± 0.649 $\chi^2/\text{NDF}: 643.8/43$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 216.060 $\pm$ 1.758 χ^2/NDF : 7005.8/17

Left Out: 187.565 $\pm$ 1.066 χ^2/NDF : 7082.0/24

Right Out: 231.904 $\pm$ 1.226 χ^2/NDF : 9077.2/20

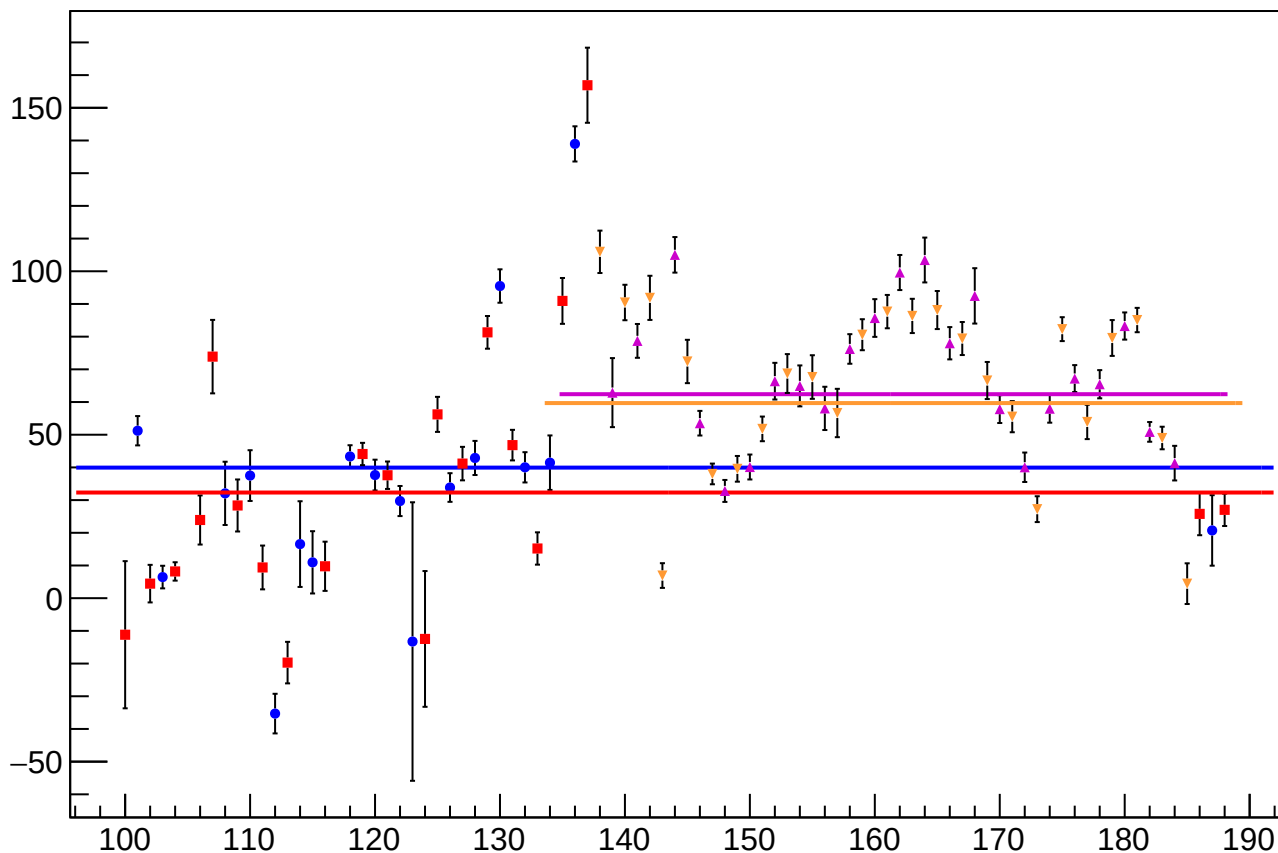
Left In: 198.269 $\pm$ 1.082 χ^2/NDF : 4515.8/22

+ sign 195.226 $\pm$ 0.911 χ^2/NDF : 14279.9/42

All: 205.142 $\pm$ 0.606 χ^2/NDF : 28508.4/86

- sign 212.993 $\pm$ 0.811 χ^2/NDF : 14016.4/43

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 39.941 ± 1.277 $\chi^2/\text{NDF}: 737.1/17$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 32.318 ± 1.194 $\chi^2/\text{NDF}: 552.1/20$

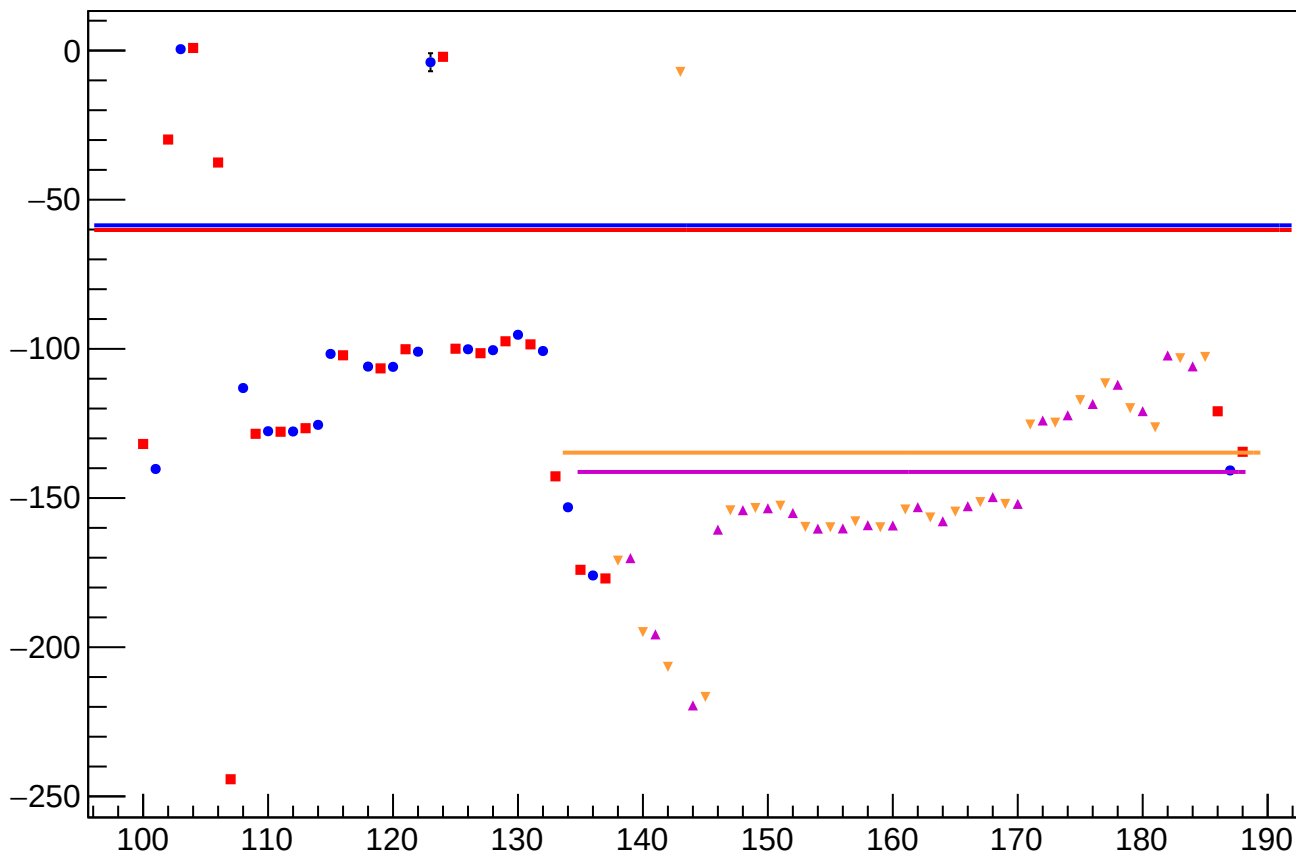
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 52.735 ± 0.757 $\chi^2/\text{NDF}: 1649.7/42$

All: 51.551 ± 0.535 $\chi^2/\text{NDF}: 2994.2/86$

- sign 50.374 ± 0.755 $\chi^2/\text{NDF}: 1339.6/43$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -58.591 ± 0.062 χ^2/NDF : 1118658.9/17

Left Out: -134.780 ± 0.045 χ^2/NDF : 804747.3/24

Right Out: -60.153 ± 0.058 χ^2/NDF : 1114275.4/20

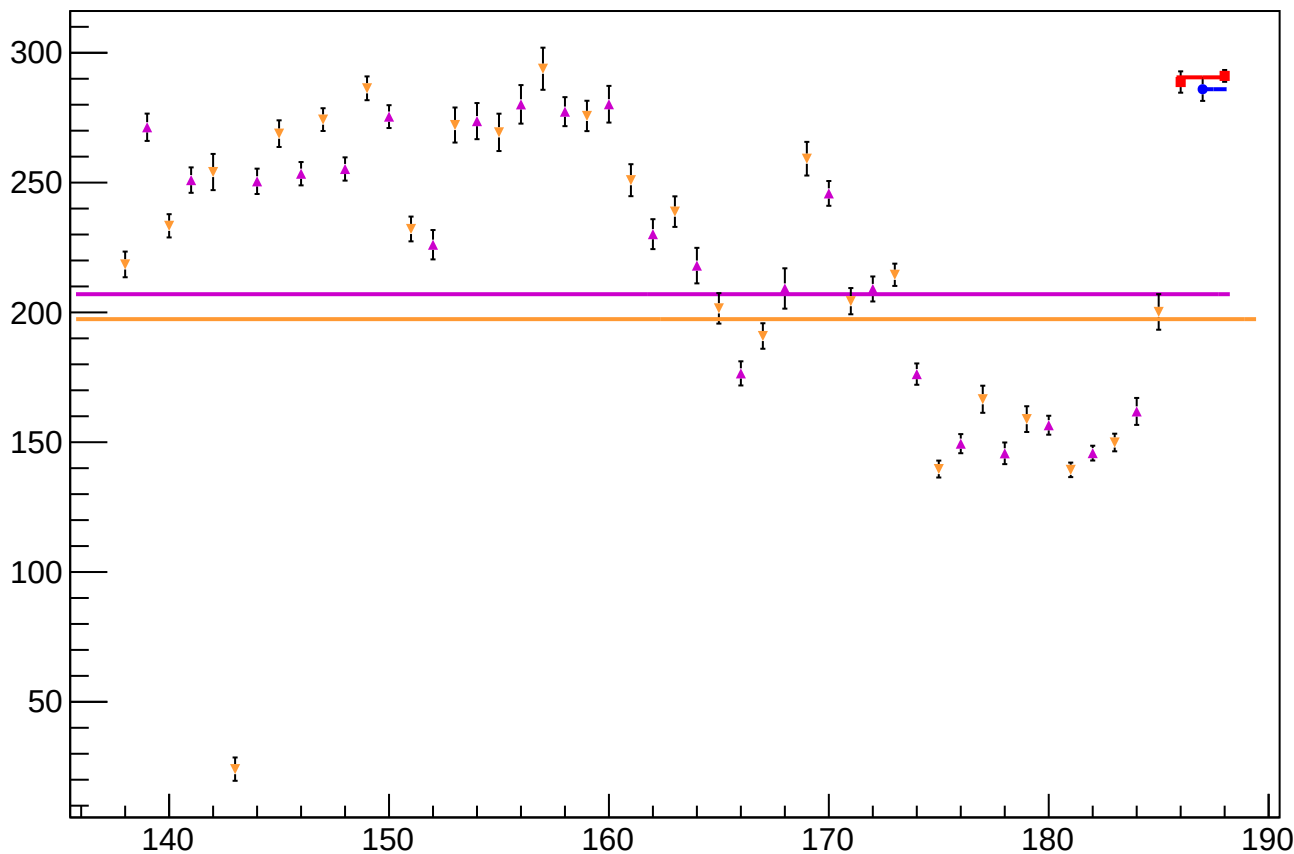
Left In: -141.255 ± 0.045 χ^2/NDF : 347229.8/22

+ sign -108.608 ± 0.036 χ^2/NDF : 2930247.6/42

All: -109.619 ± 0.025 χ^2/NDF : 5604855.3/86

- sign -110.613 ± 0.036 χ^2/NDF : 2673047.5/43

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 285.970 $\pm$ 4.498 χ^2 /NDF: 0.0/0

Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF:4384.2/24

Right Out: 290.543 $\pm$ 1.993 χ^2 /NDF: 0.3/1

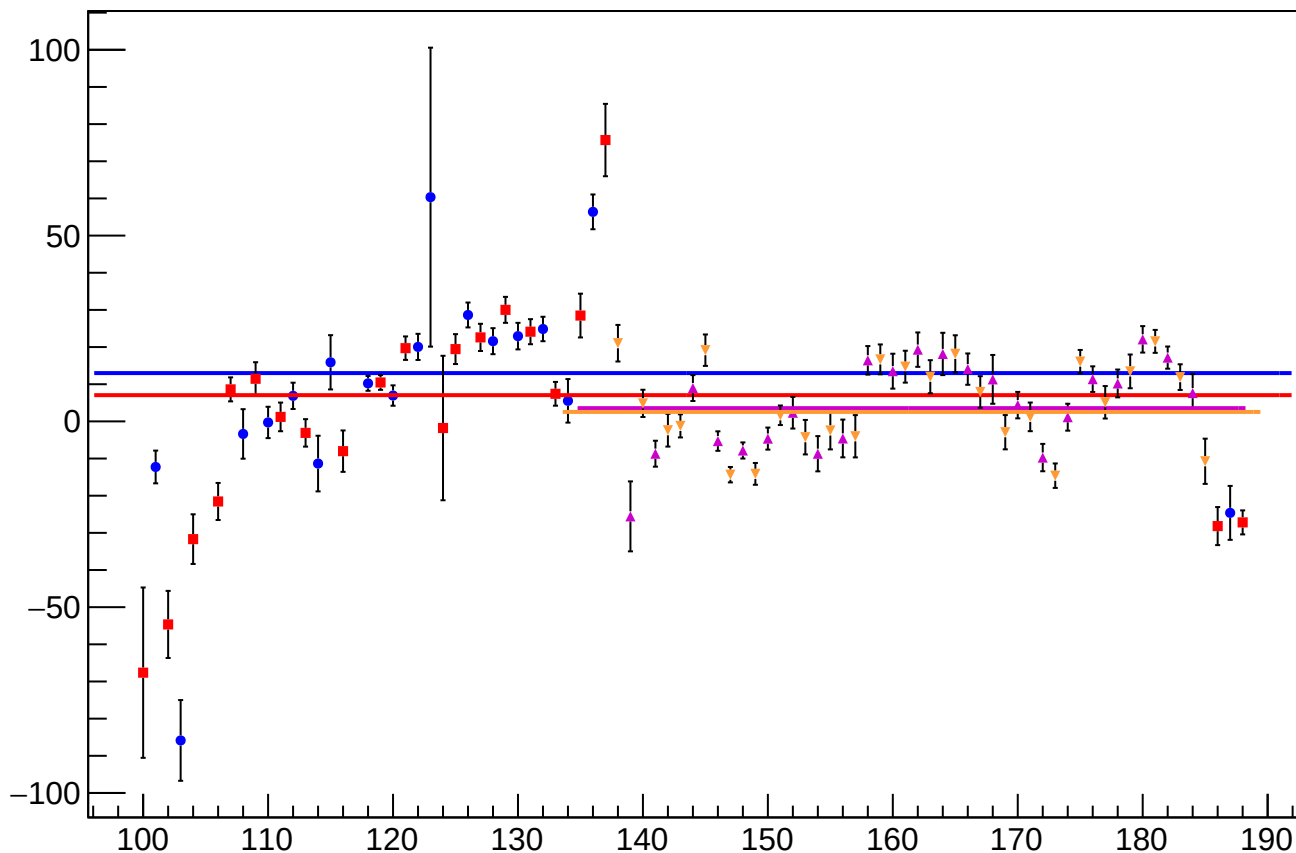
Left In: 207.014 $\pm$ 0.990 χ^2 /NDF:2611.5/22

+ sign 201.288 $\pm$ 0.942 χ^2 /NDF: 4754.8/25

All: 213.084 $\pm$ 0.646 χ^2 /NDF: 9071.3/50

- sign 223.549 $\pm$ 0.887 χ^2 /NDF: 4020.3/24

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 12.997 ± 0.930 $\chi^2/\text{NDF}: 320.6/17$

Left Out: 2.548 ± 0.741 $\chi^2/\text{NDF}: 275.4/24$

Right Out: 7.061 ± 0.867 $\chi^2/\text{NDF}: 480.2/20$

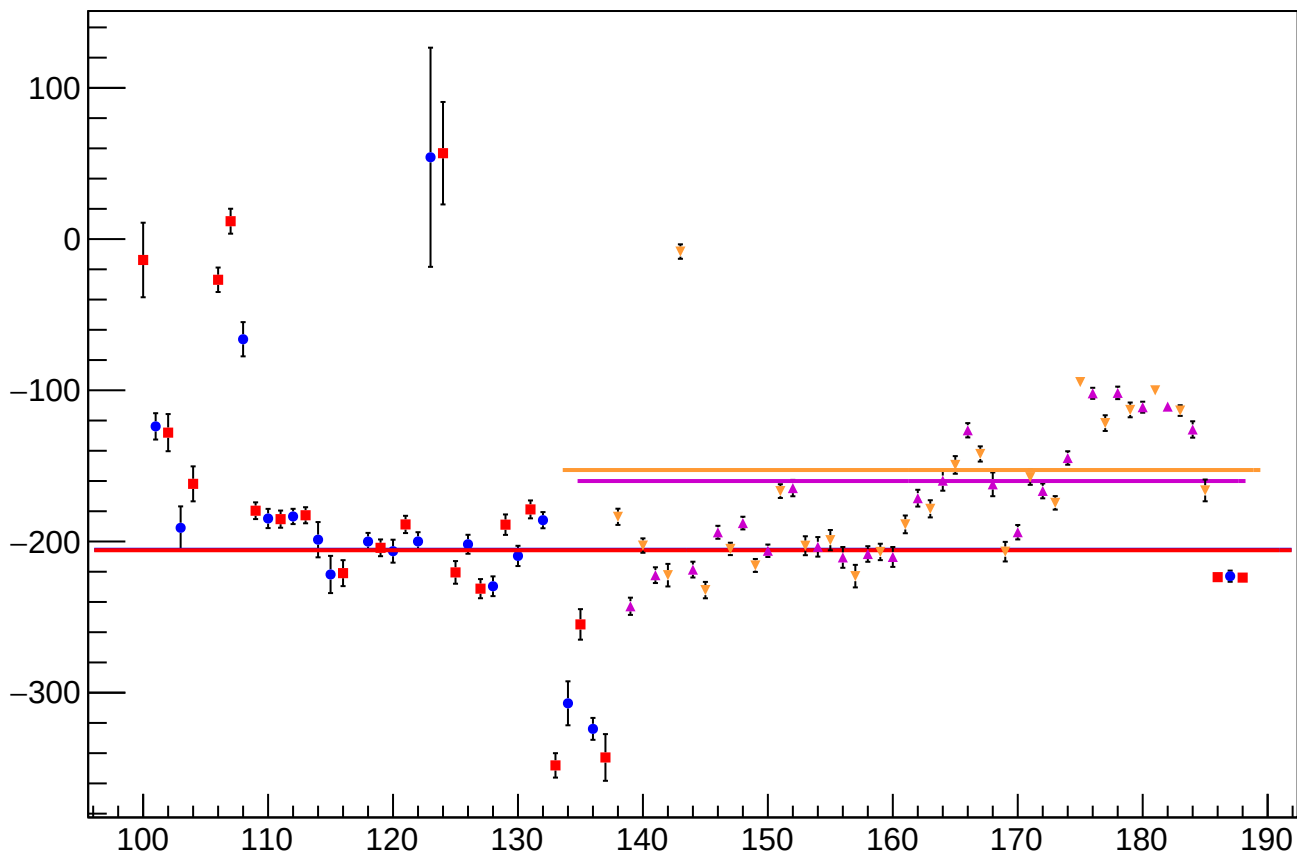
Left In: 3.559 ± 0.774 $\chi^2/\text{NDF}: 192.0/22$

+ sign 6.603 ± 0.580 $\chi^2/\text{NDF}: 673.2/42$

All: 5.855 ± 0.409 $\chi^2/\text{NDF}: 1357.8/86$

- sign 5.112 ± 0.578 $\chi^2/\text{NDF}: 681.3/43$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -205.462 ± 1.618 χ^2/NDF : 652.6/17

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -205.794 ± 1.167 χ^2/NDF : 2013.9/20

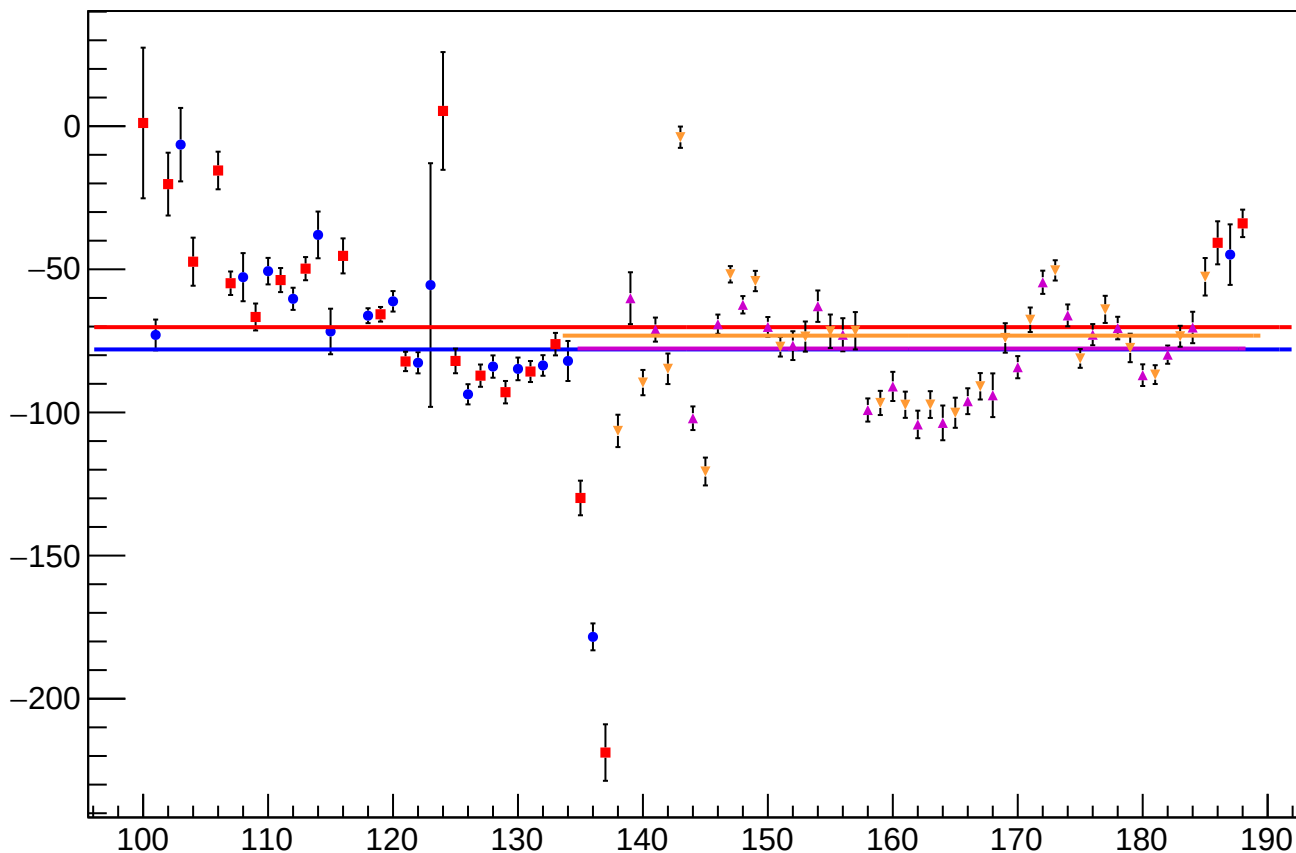
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -166.612 ± 0.830 χ^2/NDF : 4512.7/42

All: -173.474 ± 0.558 χ^2/NDF : 9571.1/86

- sign -179.142 ± 0.754 χ^2/NDF : 4933.6/43

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -77.986 ± 1.078 χ^2/NDF : 659.8/17

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -70.205 ± 1.020 χ^2/NDF : 682.8/20

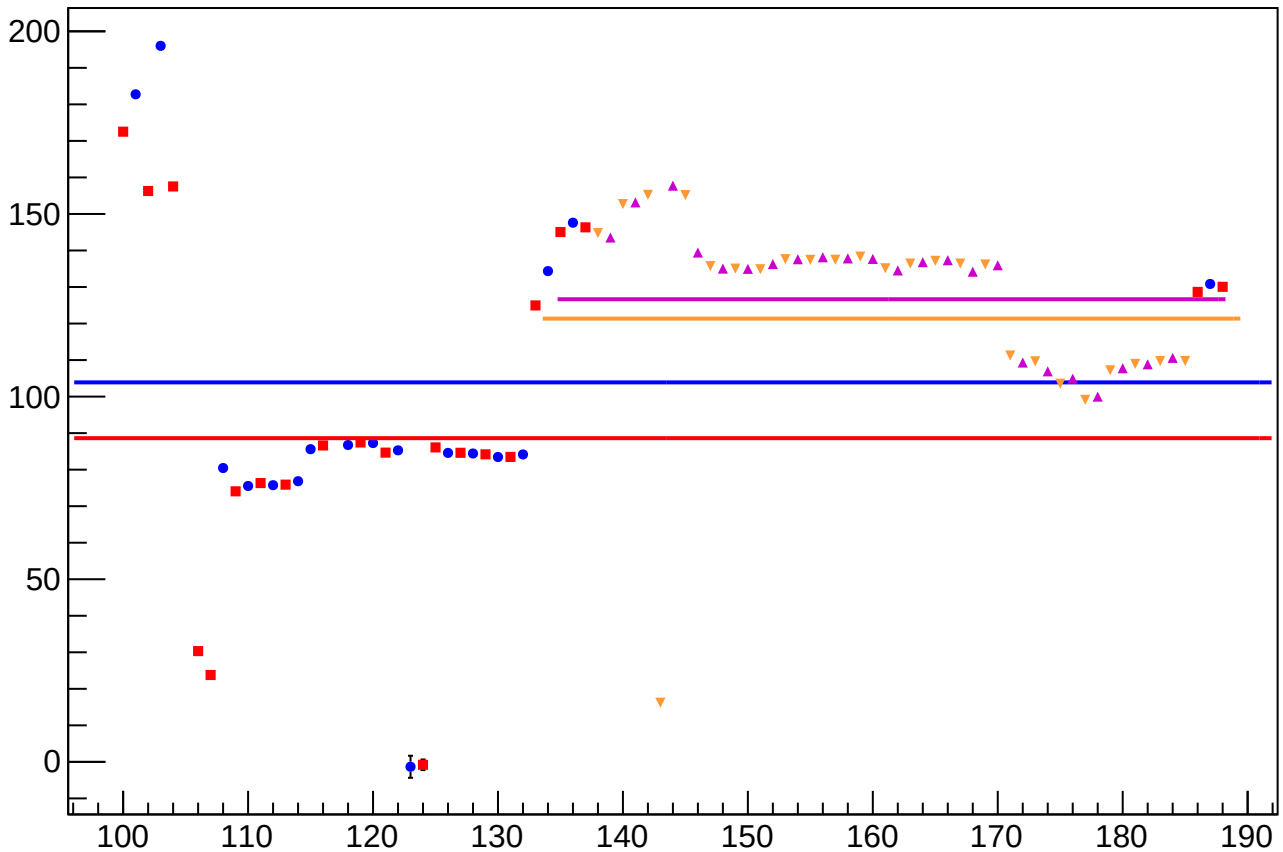
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -75.016 ± 0.668 χ^2/NDF : 1460.7/42

All: -74.746 ± 0.472 χ^2/NDF : 2422.7/86

- sign -74.476 ± 0.667 χ^2/NDF : 961.7/43

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.893 $\pm$ 0.071 χ^2 /NDF: 274577.7/17

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 88.621 $\pm$ 0.061 χ^2 /NDF: 461750.5/20

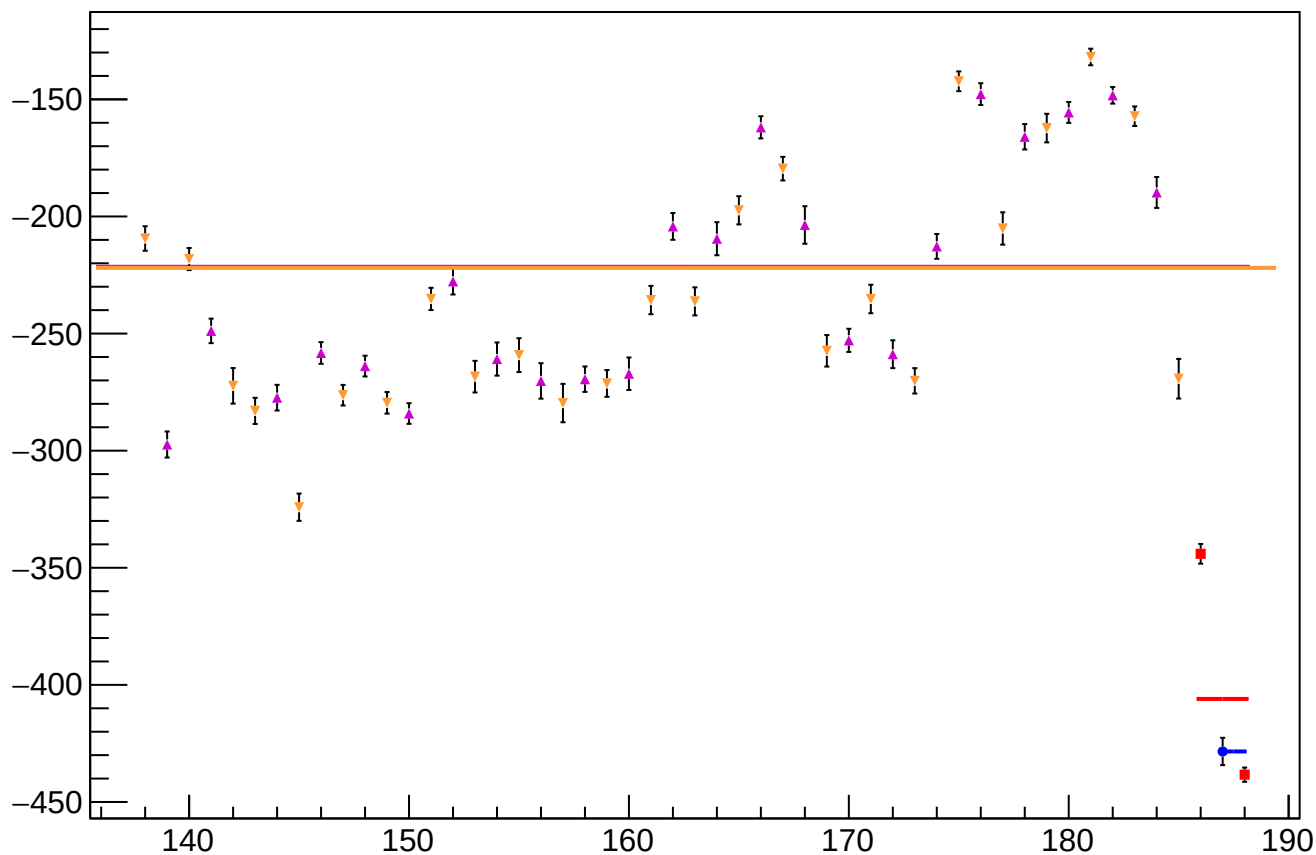
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 117.055 $\pm$ 0.035 χ^2 /NDF: 802788.8/42

All: 115.923 $\pm$ 0.024 χ^2 /NDF: 1695726.7/86

- sign 114.848 $\pm$ 0.034 χ^2 /NDF: 890897.3/43

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -428.433+/-5.832 χ^2/NDF : 0.0/0

Left Out: -221.934+/-1.084 χ^2/NDF : 2578.4/24

Right Out: -405.998+/-2.462 χ^2/NDF : 330.6/1

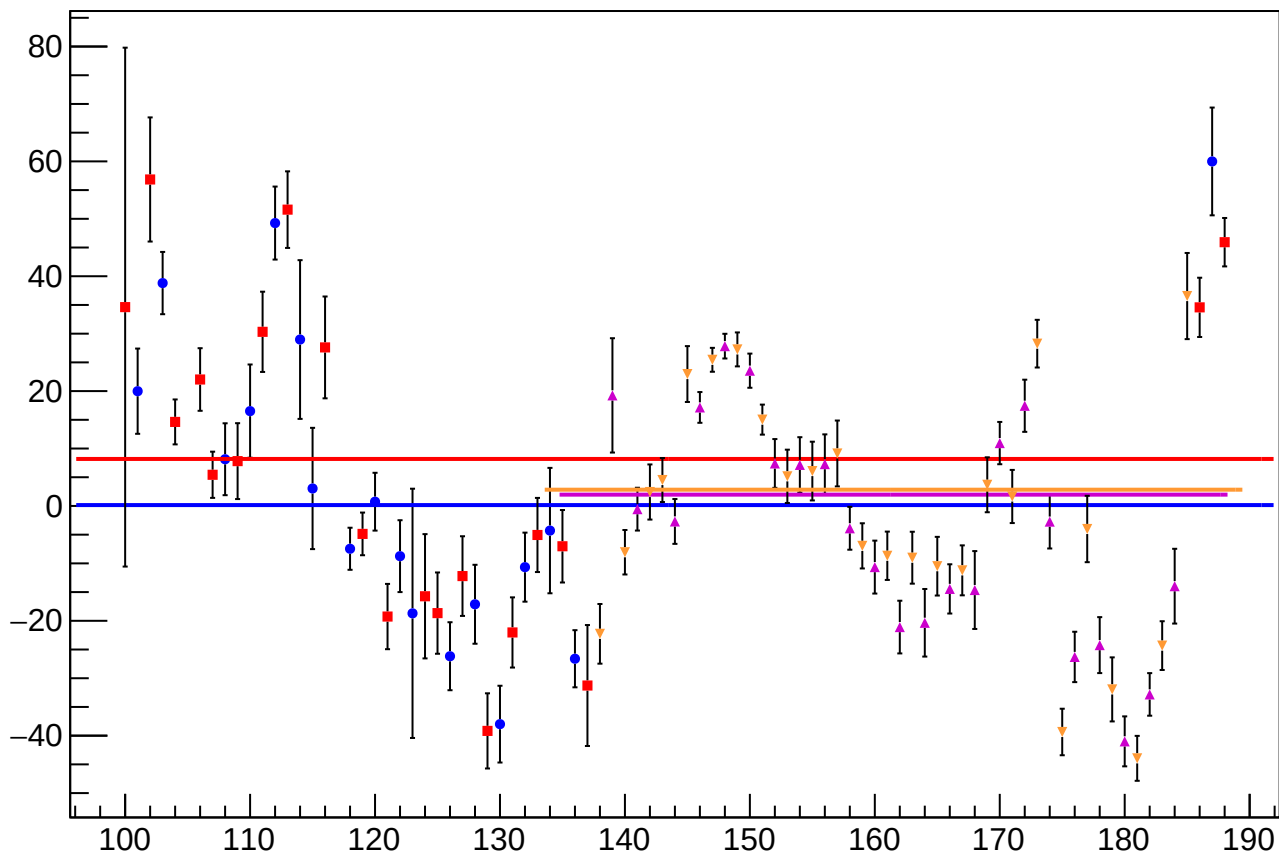
Left In: -221.483+/-1.102 χ^2/NDF : 2149.8/22

+ sign -228.836+/-1.066 χ^2/NDF : 3790.2/25

All: -241.243+/-0.732 χ^2/NDF : 11205.5/50

- sign -252.290+/-1.006 χ^2/NDF : 7159.3/24

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 0.152 ± 1.519 $\chi^2/\text{NDF}: 266.5/17$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 8.184 ± 1.288 $\chi^2/\text{NDF}: 358.2/20$

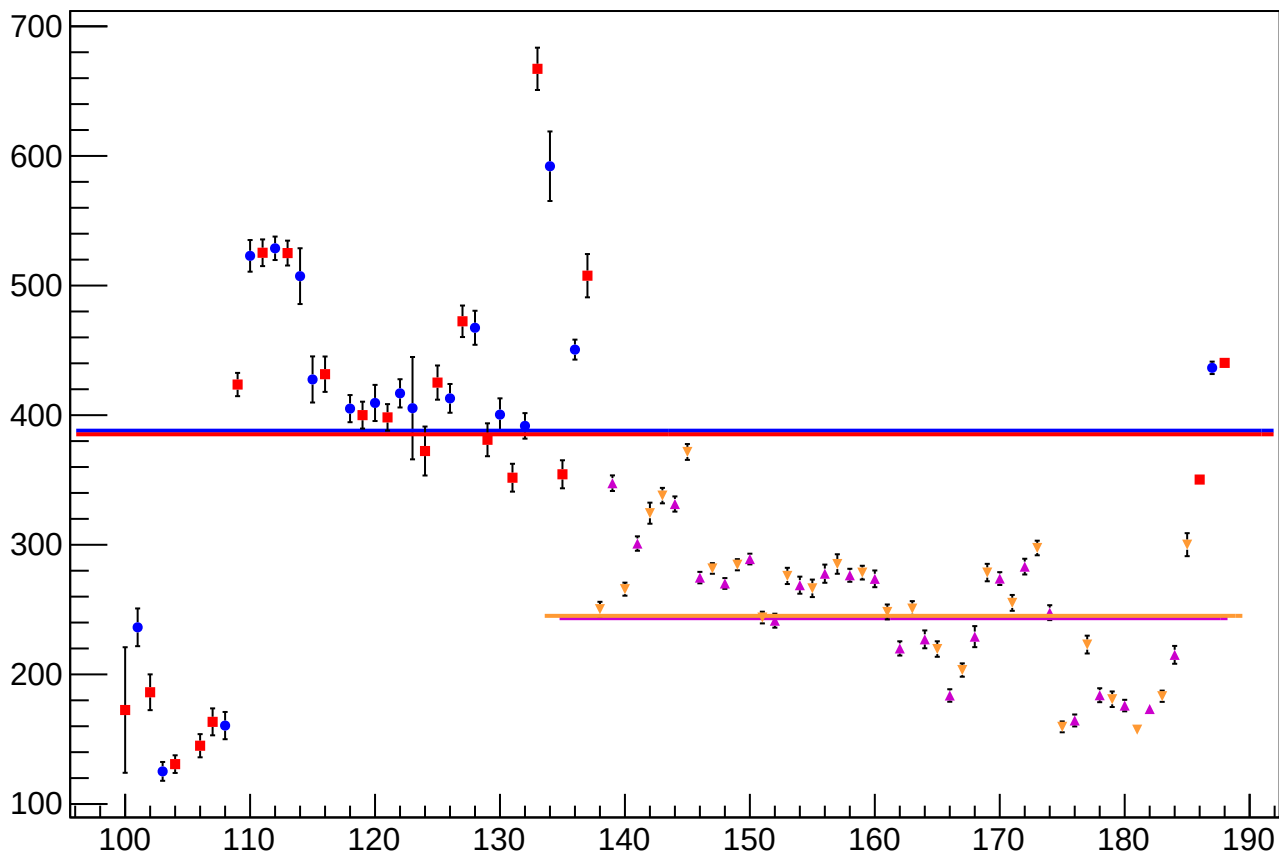
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 2.242 ± 0.713 $\chi^2/\text{NDF}: 955.9/42$

All: 3.039 ± 0.500 $\chi^2/\text{NDF}: 1922.0/86$

- sign 3.808 ± 0.700 $\chi^2/\text{NDF}: 963.6/43$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 388.037 $\pm$ 2.406 χ^2 /NDF: 2567.1/17

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF: 2597.4/24

Right Out: 385.230 $\pm$ 1.564 χ^2 /NDF: 4279.5/20

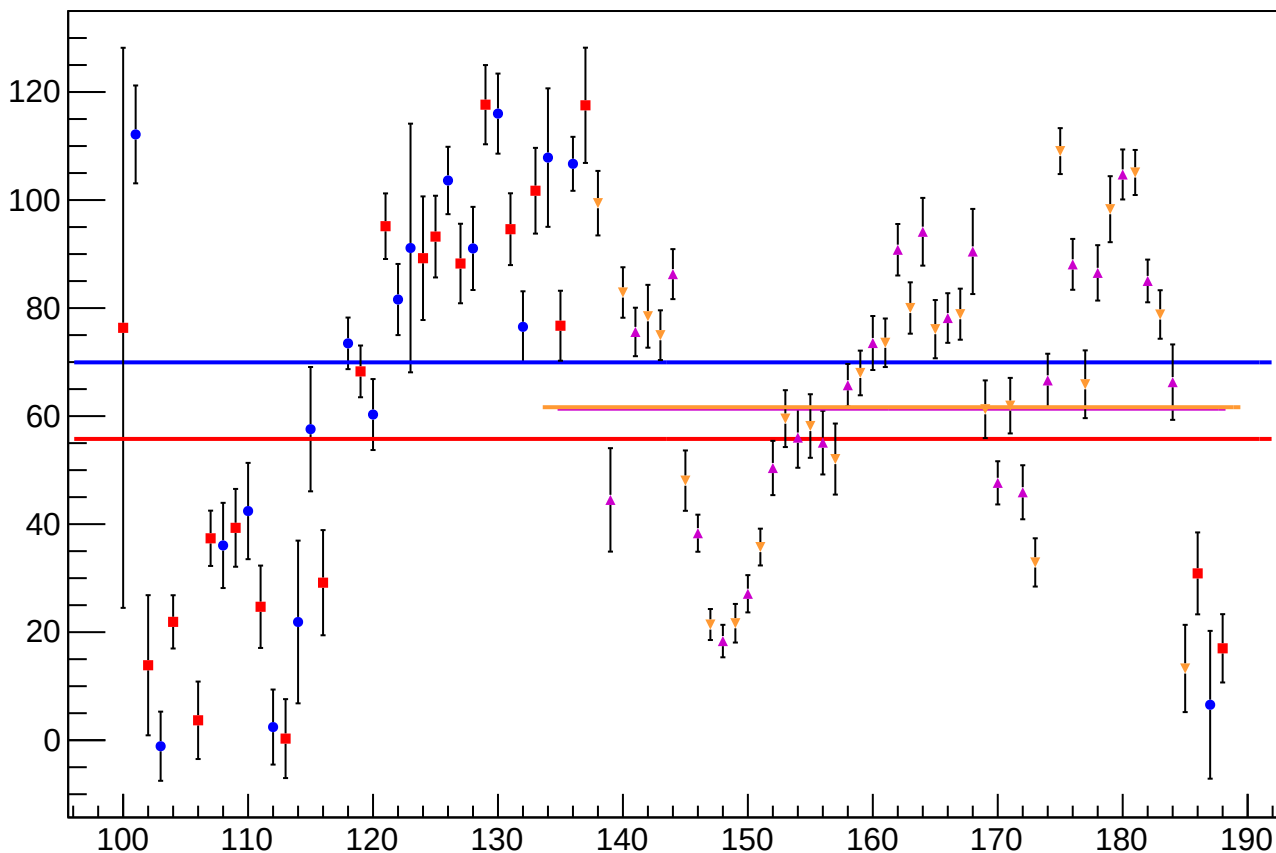
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF: 2236.7/22

+ sign 269.204 $\pm$ 0.987 χ^2 /NDF: 8096.0/42

All: 280.574 $\pm$ 0.663 χ^2 /NDF: 20380.0/86

- sign 289.951 $\pm$ 0.896 χ^2 /NDF: 12041.8/43

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 69.951 $\pm$ 1.753 χ^2/NDF : 445.9/17

Left Out: 61.647 $\pm$ 0.936 χ^2/NDF :871.5/24

Right Out: 55.776 $\pm$ 1.548 χ^2/NDF : 543.0/20

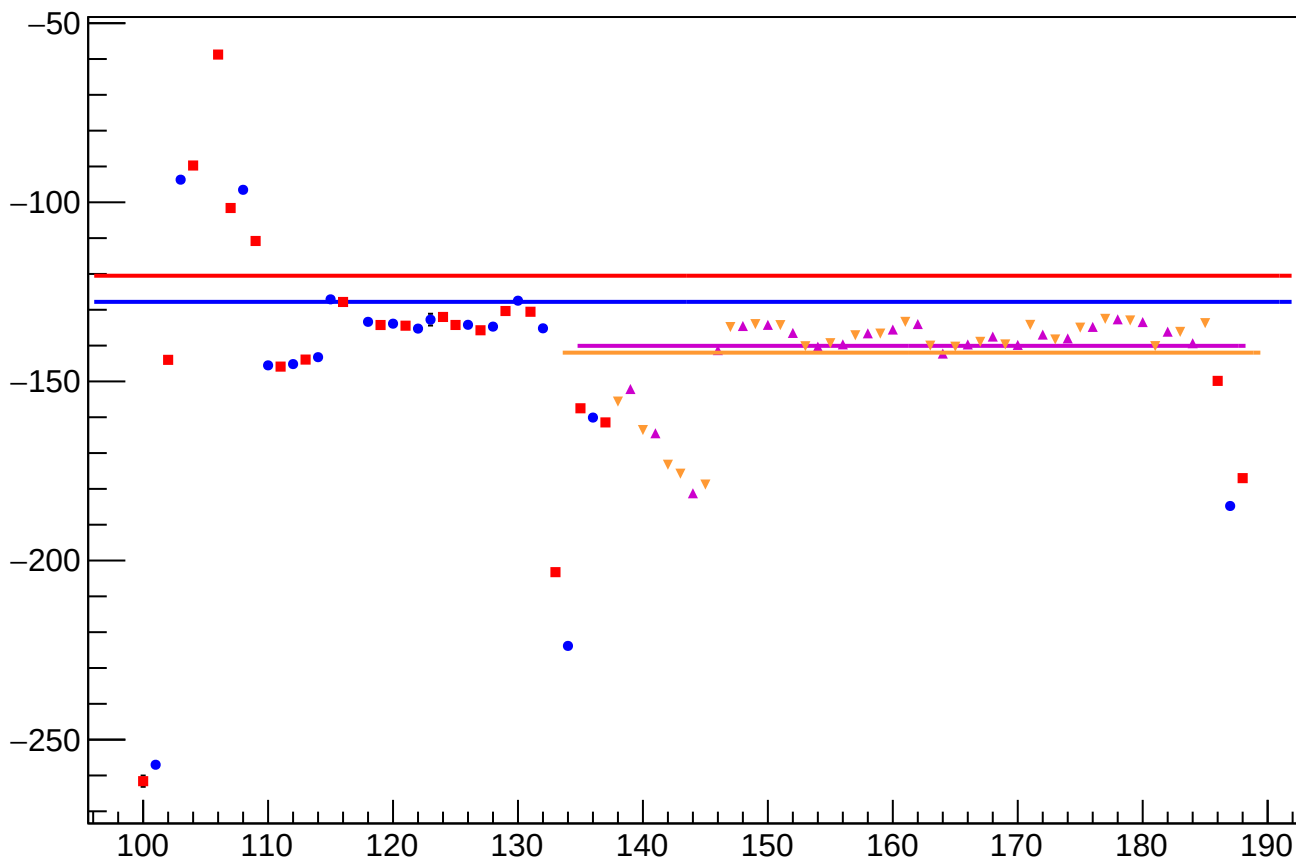
Left In: 61.375 $\pm$ 0.961 χ^2/NDF :699.7/22

+ sign 63.489 $\pm$ 0.826 χ^2/NDF : 1334.9/42

All: 61.633 $\pm$ 0.581 χ^2/NDF : 2597.0/86

- sign 59.818 $\pm$ 0.817 χ^2/NDF : 1252.1/43

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.791 ± 0.089 $\chi^2/\text{NDF}: 172455.1/17$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -120.497 ± 0.080 $\chi^2/\text{NDF}: 201617.7/20$

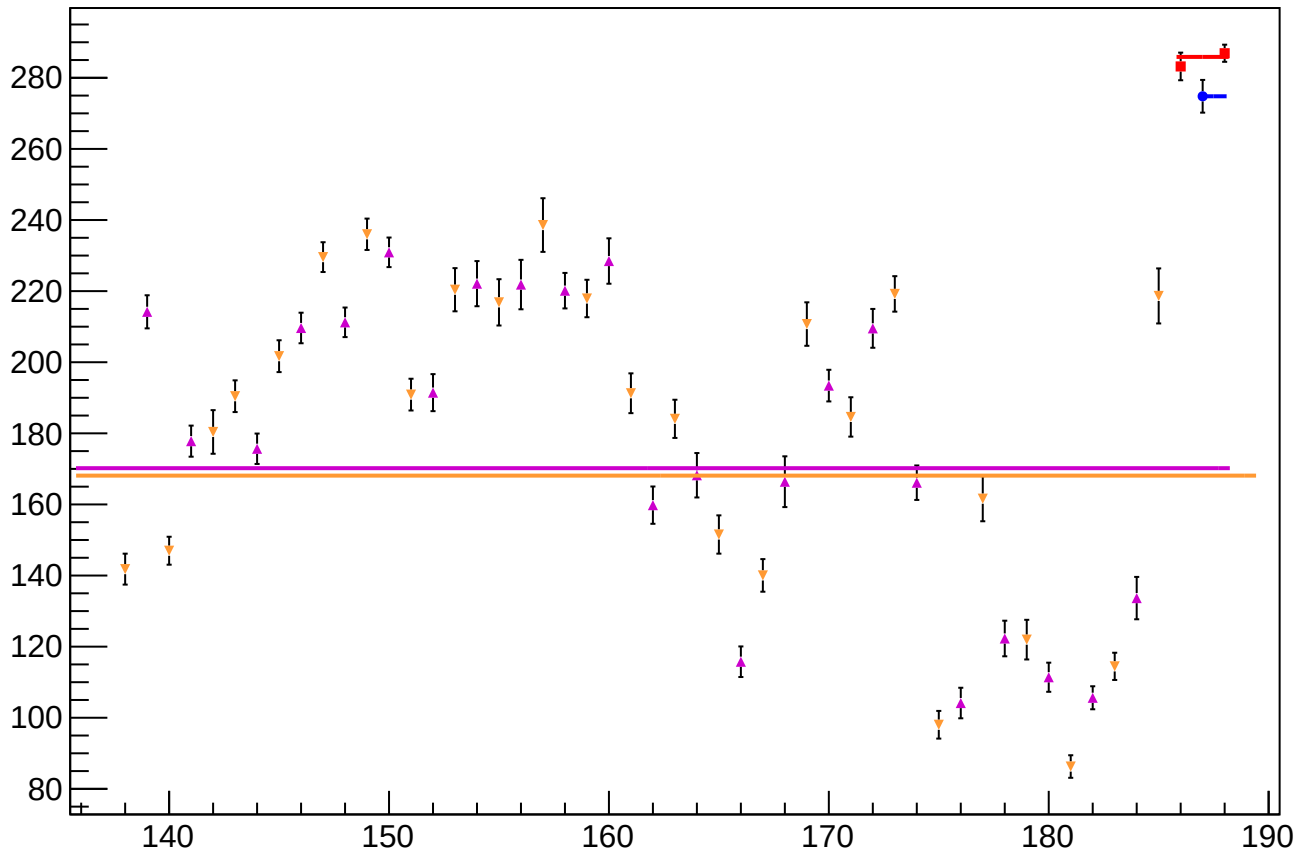
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -139.127 ± 0.040 $\chi^2/\text{NDF}: 272874.2/42$

All: -137.194 ± 0.028 $\chi^2/\text{NDF}: 572847.4/86$

- sign -135.335 ± 0.039 $\chi^2/\text{NDF}: 295384.9/43$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 274.804 $\pm$ 4.602 χ^2 /NDF: 0.0/0

Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF:2468.8/24

Right Out: 285.879 $\pm$ 2.048 χ^2 /NDF: 0.7/1

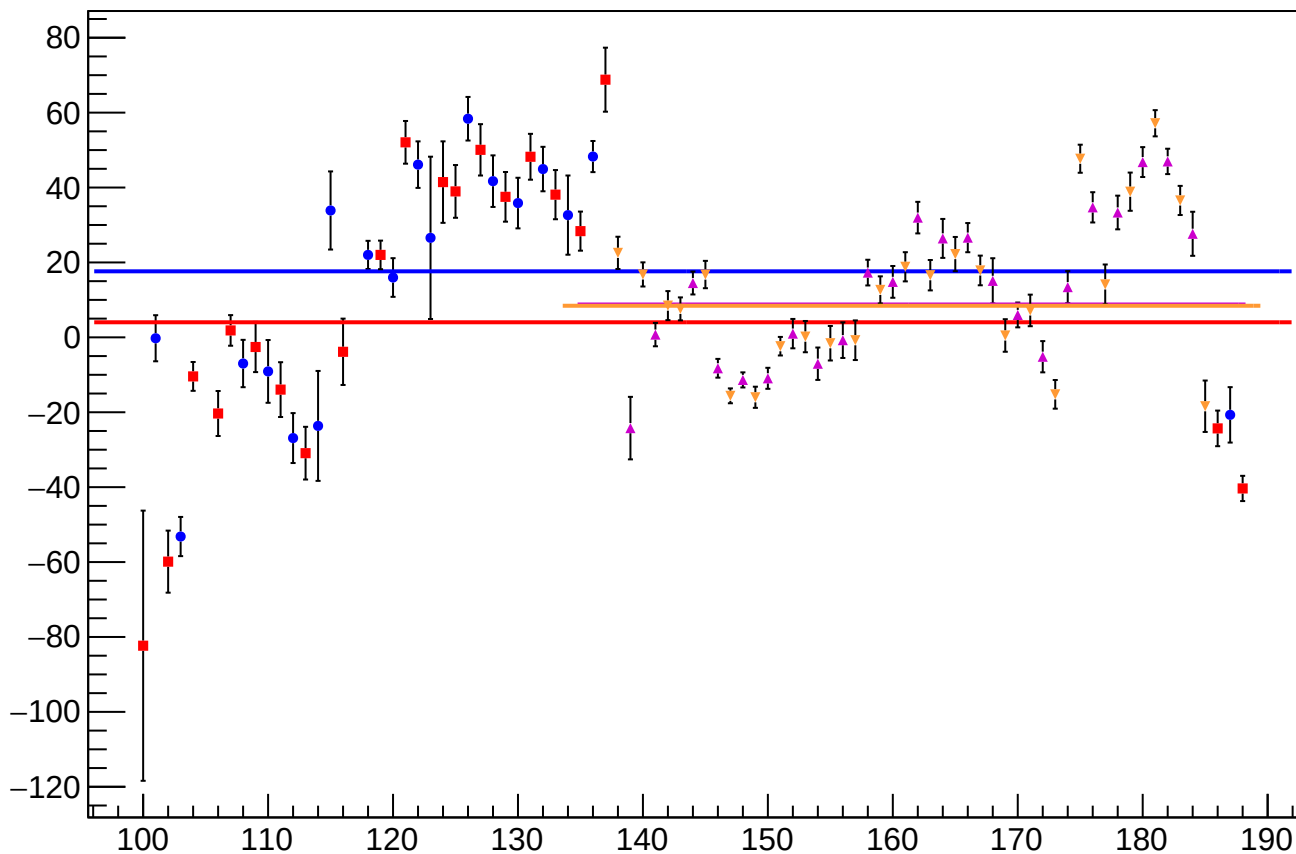
Left In: 170.198 $\pm$ 0.995 χ^2 /NDF:2024.5/22

+ sign 172.647 $\pm$ 0.949 χ^2 /NDF: 2983.5/25

All: 183.047 $\pm$ 0.651 χ^2 /NDF: 7815.5/50

- sign 192.296 $\pm$ 0.895 χ^2 /NDF: 4605.3/24

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 17.629 ± 1.473 χ^2/NDF : 467.4/17

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: 4.024 ± 1.241 χ^2/NDF : 695.8/20

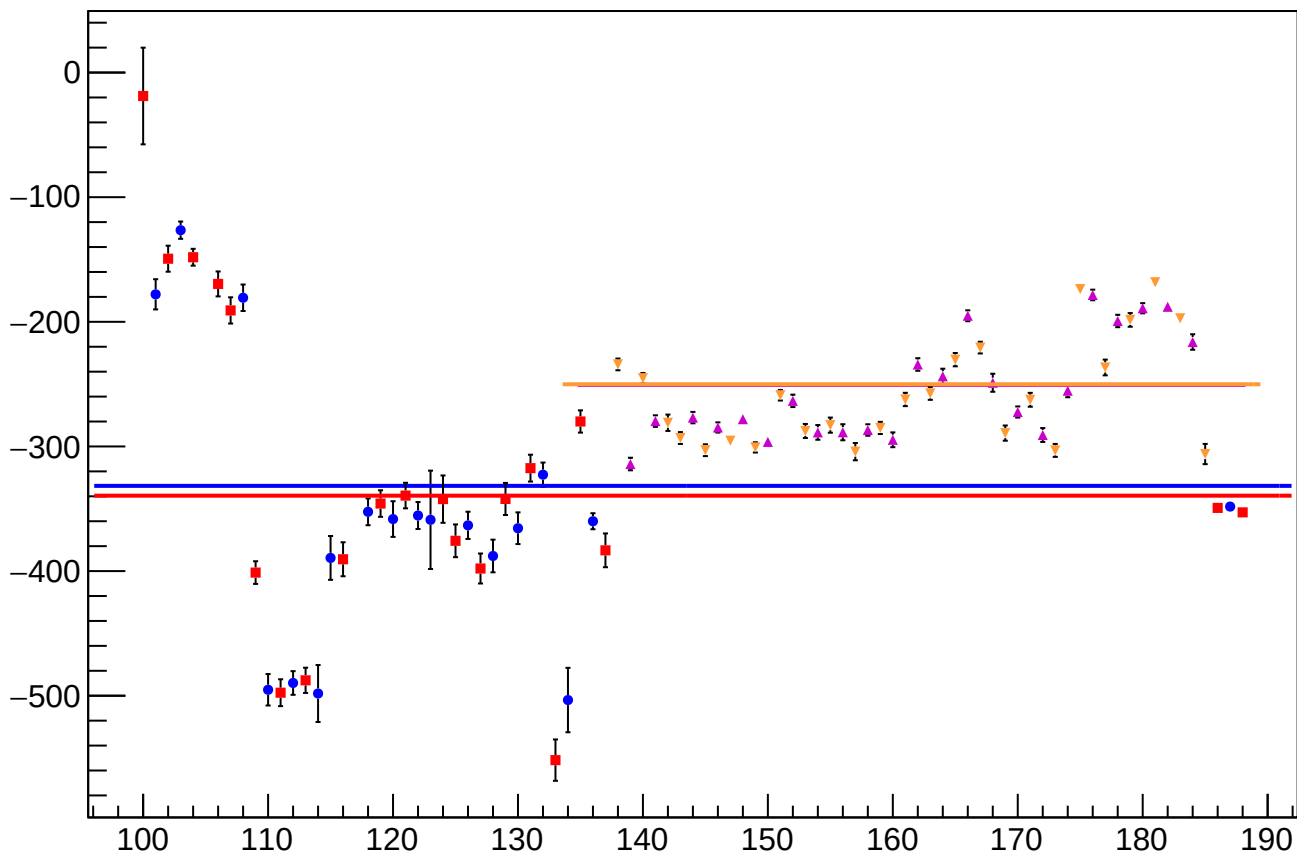
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 10.241 ± 0.653 χ^2/NDF : 1250.7/42

All: 8.848 ± 0.460 χ^2/NDF : 2593.0/86

- sign 7.479 ± 0.647 χ^2/NDF : 1333.3/43

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -331.617 ± 2.191 χ^2/NDF : 1875.9/17

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -339.494 ± 1.376 χ^2/NDF : 2490.7/20

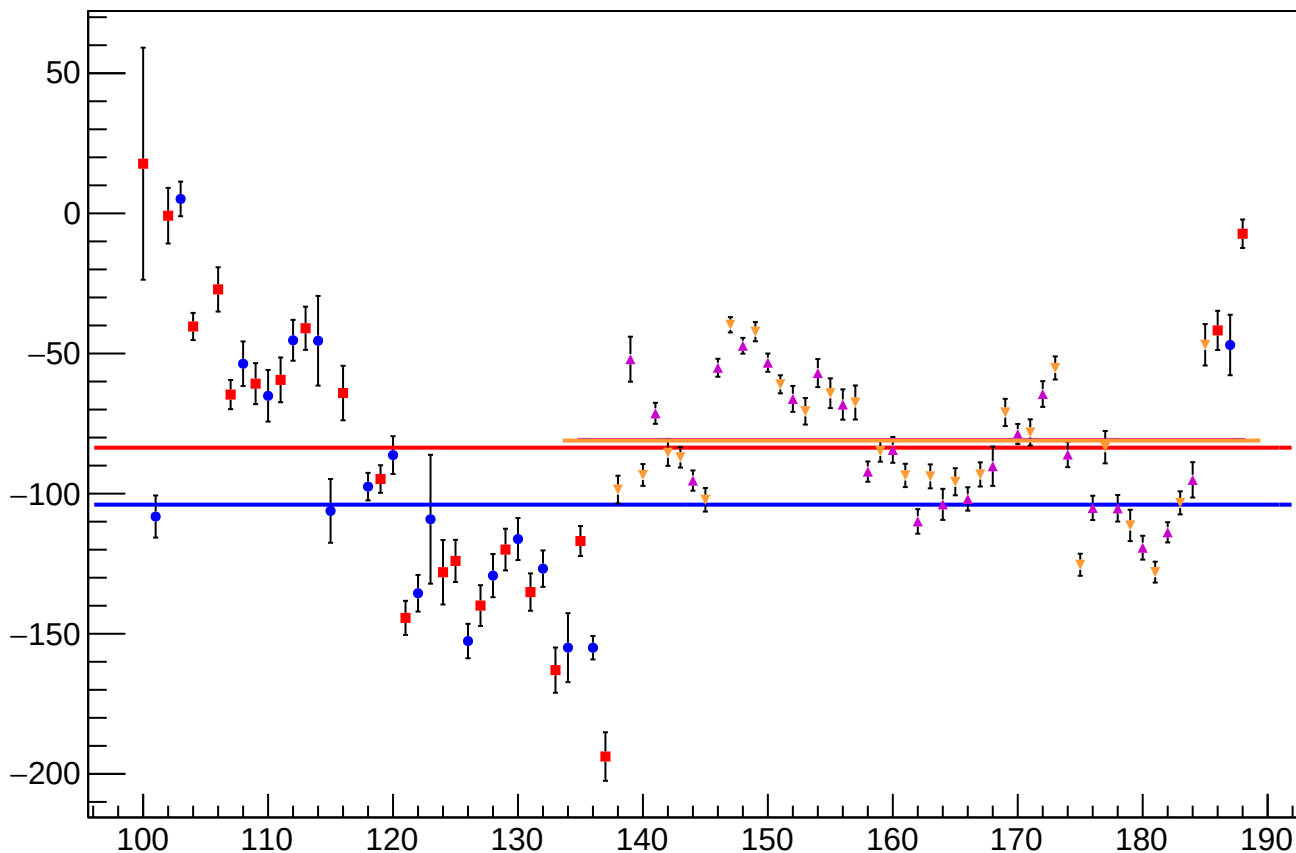
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -263.530 ± 0.889 χ^2/NDF : 5279.0/42

All: -273.109 ± 0.596 χ^2/NDF : 12665.0/86

- sign -280.947 ± 0.804 χ^2/NDF : 7174.8/43

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -103.936 ± 1.694 χ^2/NDF : 763.3/17

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -83.600 ± 1.501 χ^2/NDF : 1123.8/20

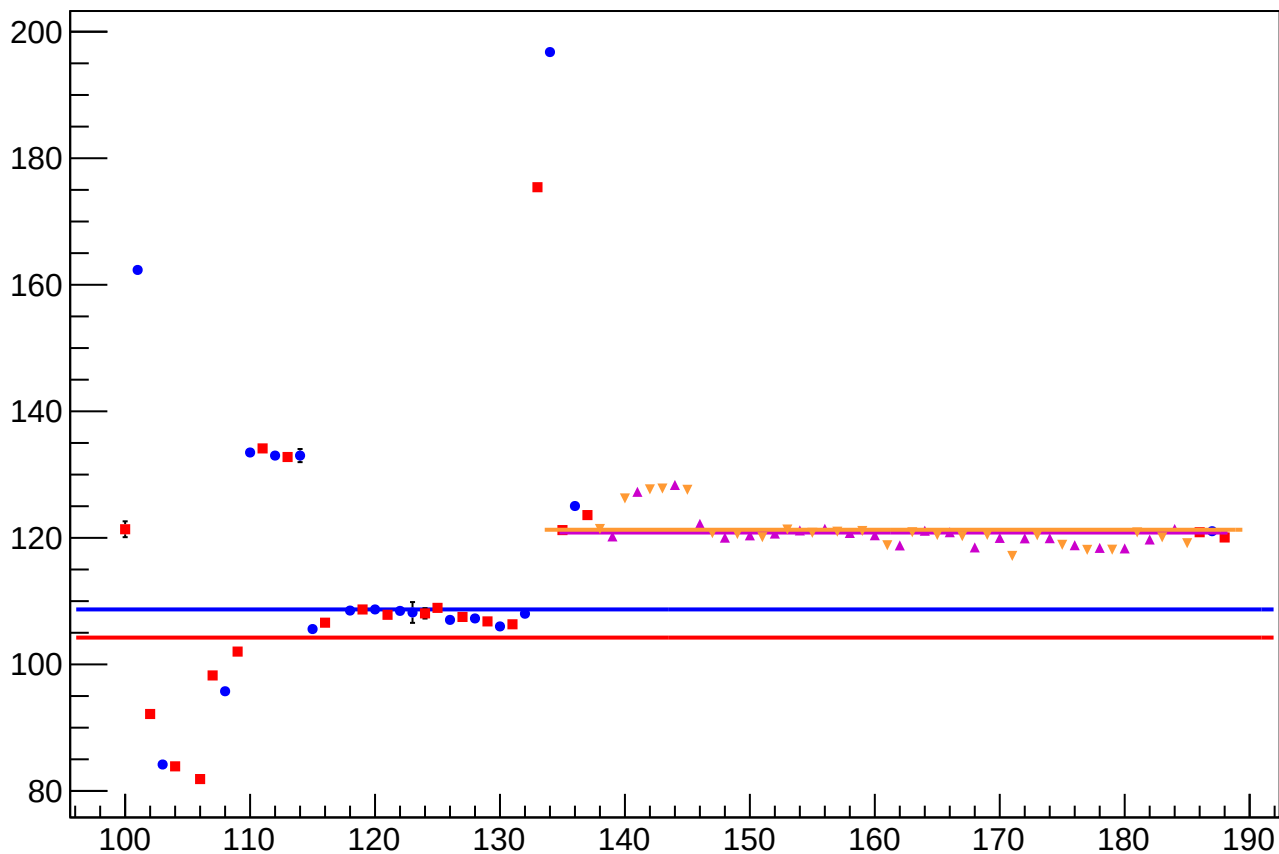
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -85.597 ± 0.755 χ^2/NDF : 1822.5/42

All: -83.562 ± 0.533 χ^2/NDF : 3656.4/86

- sign -81.531 ± 0.754 χ^2/NDF : 1819.4/43

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.689 $\pm$ 0.084 χ^2 /NDF: 73678.5/17

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 104.238 $\pm$ 0.076 χ^2 /NDF: 57819.1/20

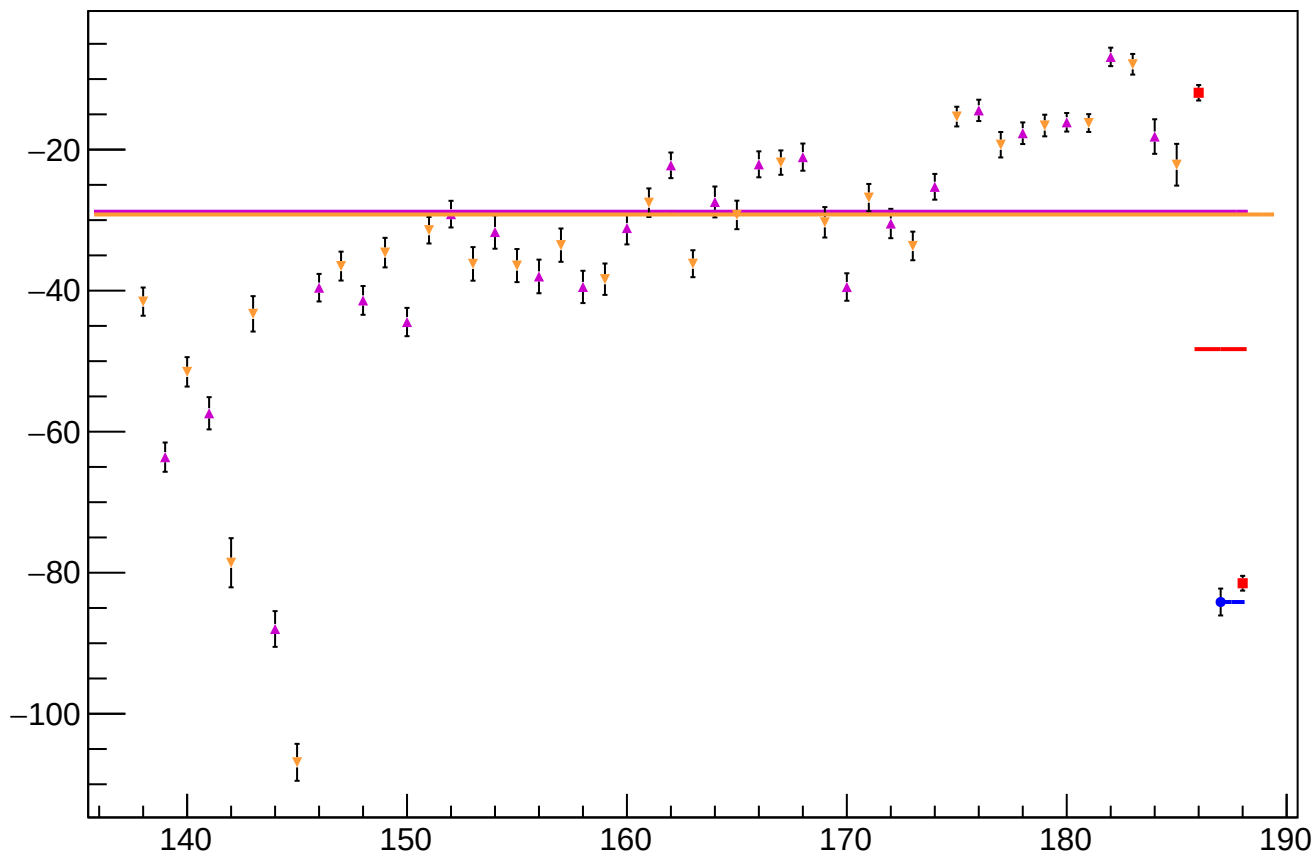
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.957 $\pm$ 0.036 χ^2 /NDF: 96830.2/42

All: 118.026 $\pm$ 0.025 χ^2 /NDF: 196710.7/86

- sign 117.115 $\pm$ 0.036 χ^2 /NDF: 98572.2/43

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -84.155 ± 1.906 χ^2/NDF : 0.0/0

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -48.292 ± 0.759 χ^2/NDF : 2097.3/1

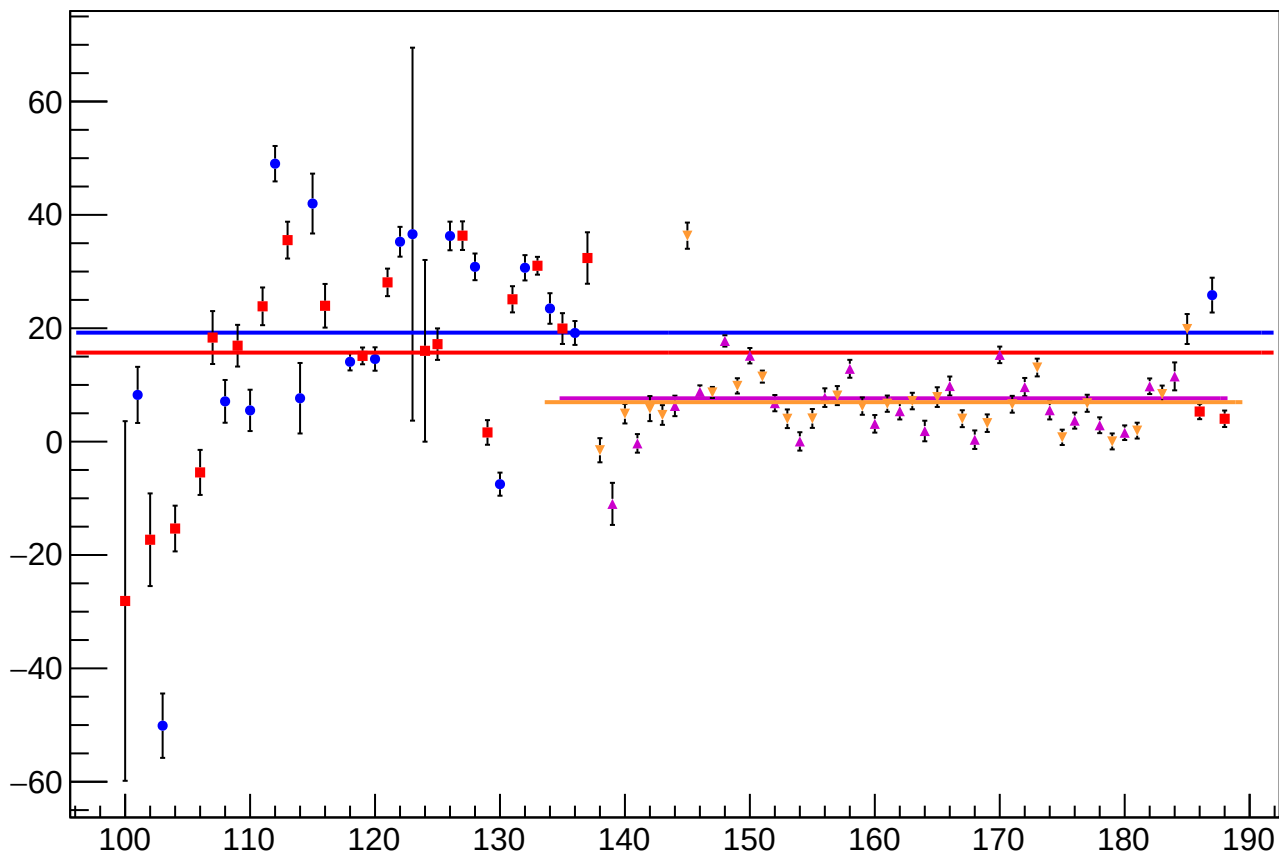
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -31.392 ± 0.381 χ^2/NDF : 2679.8/25

All: -32.246 ± 0.258 χ^2/NDF : 7069.0/50

- sign -32.971 ± 0.351 χ^2/NDF : 4379.9/24

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 19.224 ± 0.640 χ^2/NDF : 621.0/17

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 15.704 ± 0.539 χ^2/NDF : 540.8/20

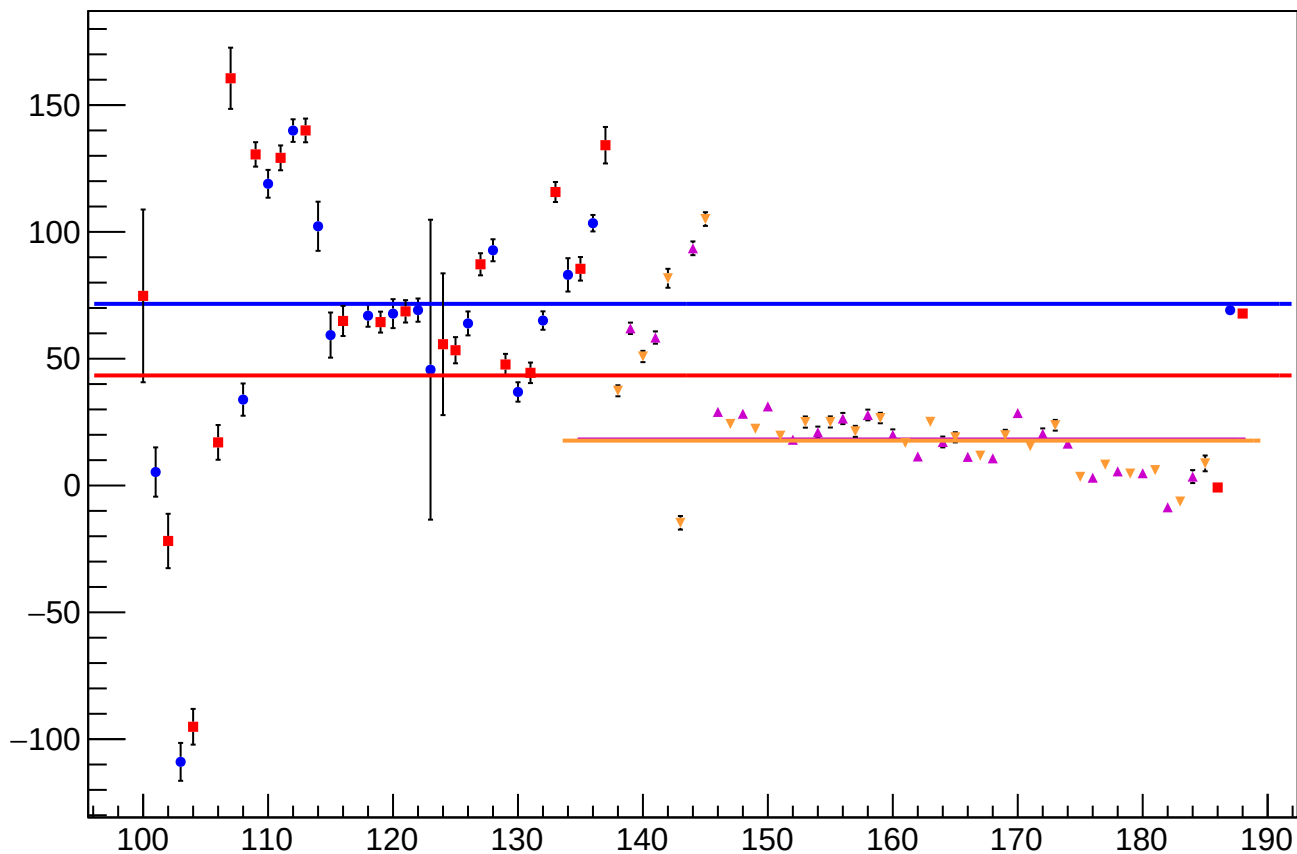
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 9.207 ± 0.274 χ^2/NDF : 1242.6/42

All: 9.444 ± 0.193 χ^2/NDF : 2289.8/86

- sign 9.676 ± 0.271 χ^2/NDF : 1045.7/43

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 71.627 $\pm$ 0.971 χ^2 /NDF: 1203.9/17

Left Out: 17.705 $\pm$ 0.387 χ^2 /NDF: 2432.2/24

Right Out: 43.398 $\pm$ 0.545 χ^2 /NDF: 5717.2/20

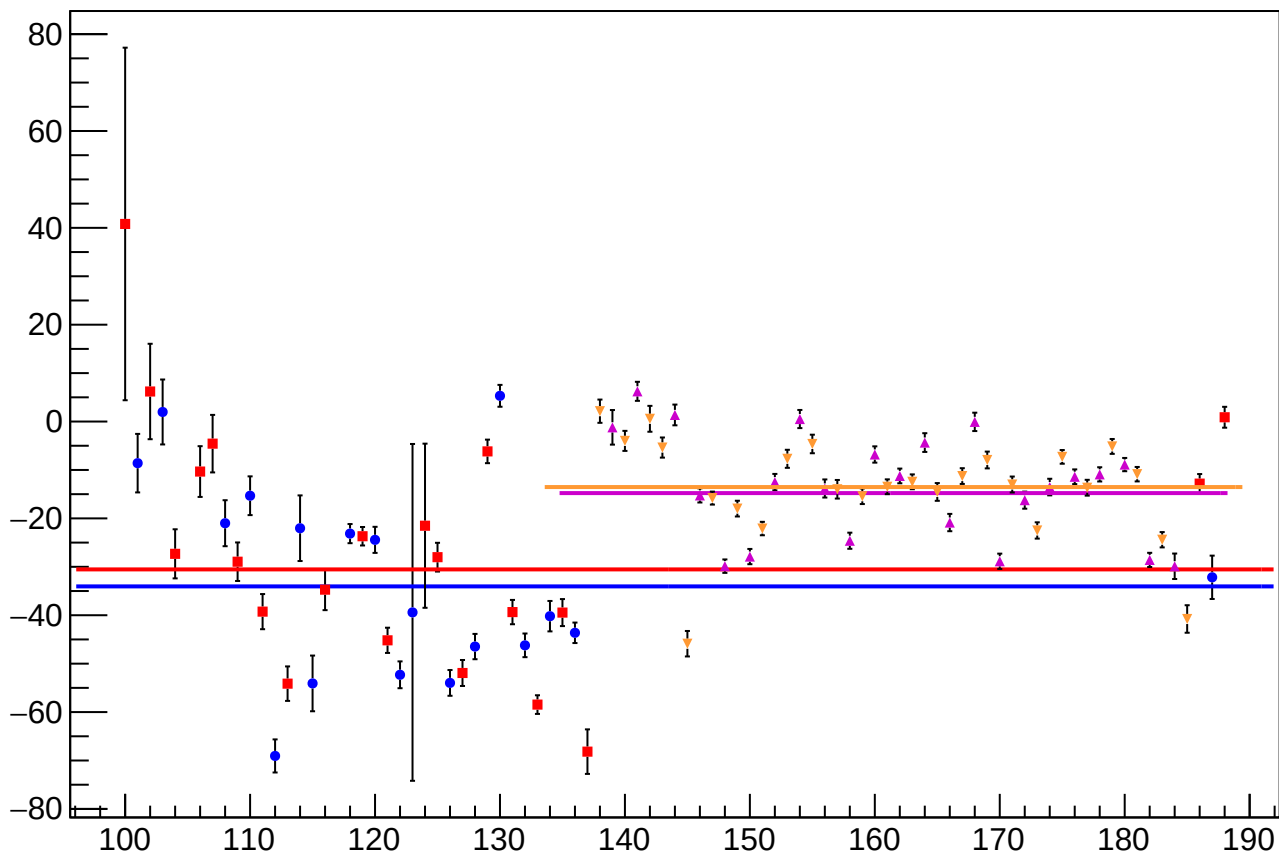
Left In: 18.150 $\pm$ 0.393 χ^2 /NDF: 2339.4/22

+ sign 25.097 $\pm$ 0.360 χ^2 /NDF: 6294.5/42

All: 26.035 $\pm$ 0.238 χ^2 /NDF: 15775.5/86

- sign 26.770 $\pm$ 0.319 χ^2 /NDF: 9468.8/43

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.045 $\pm$ 0.736 χ^2/NDF : 715.0/17

Left Out: -13.531 $\pm$ 0.344 χ^2/NDF : 572.8/24

Right Out: -30.536 $\pm$ 0.658 χ^2/NDF : 904.6/20

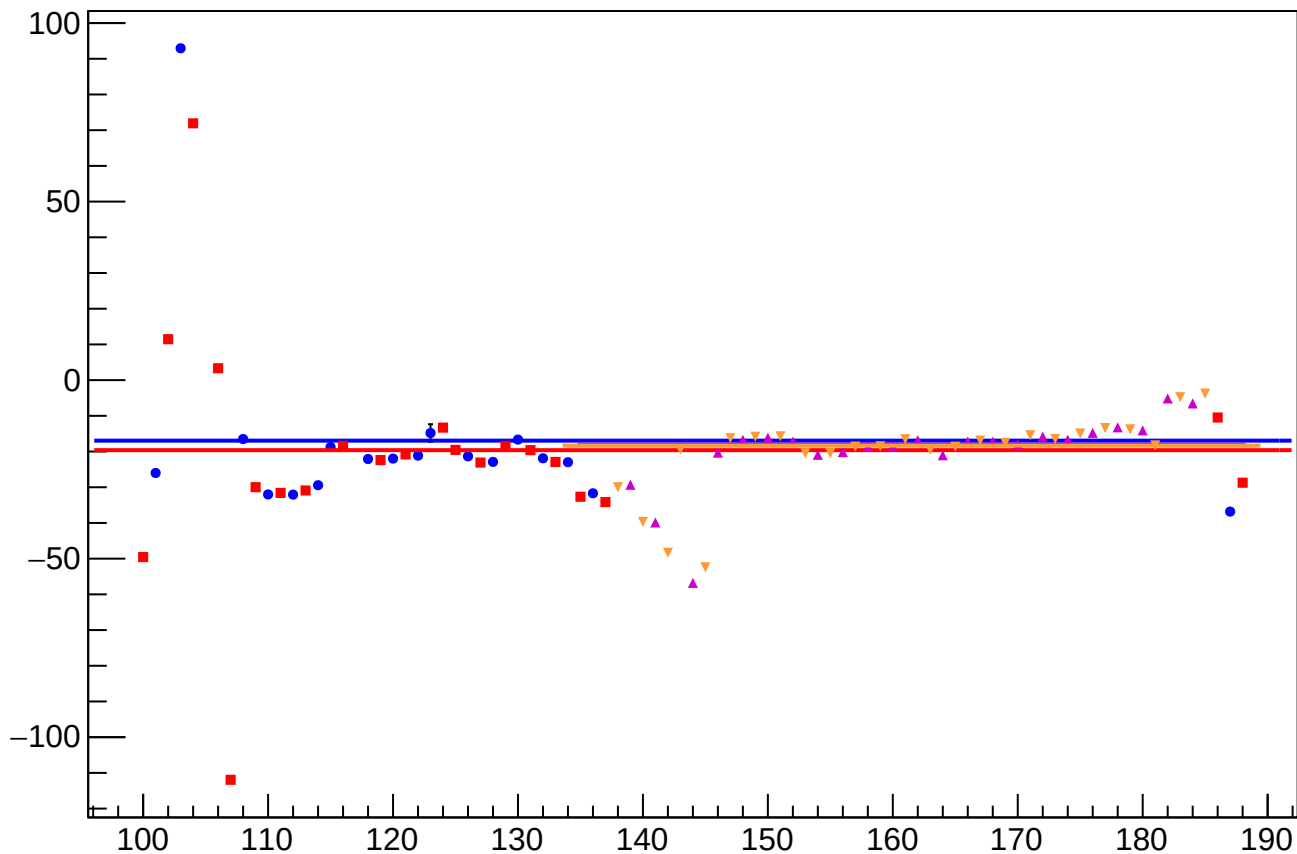
Left In: -14.778 $\pm$ 0.354 χ^2/NDF : 838.0/22

+ sign -17.209 $\pm$ 0.312 χ^2/NDF : 1925.3/42

All: -17.763 $\pm$ 0.220 χ^2/NDF : 4119.1/86

- sign -18.318 $\pm$ 0.312 χ^2/NDF : 2187.5/43

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.951 ± 0.044 $\chi^2/\text{NDF}: 480489.6/17$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -19.614 ± 0.040 $\chi^2/\text{NDF}: 445635.8/20$

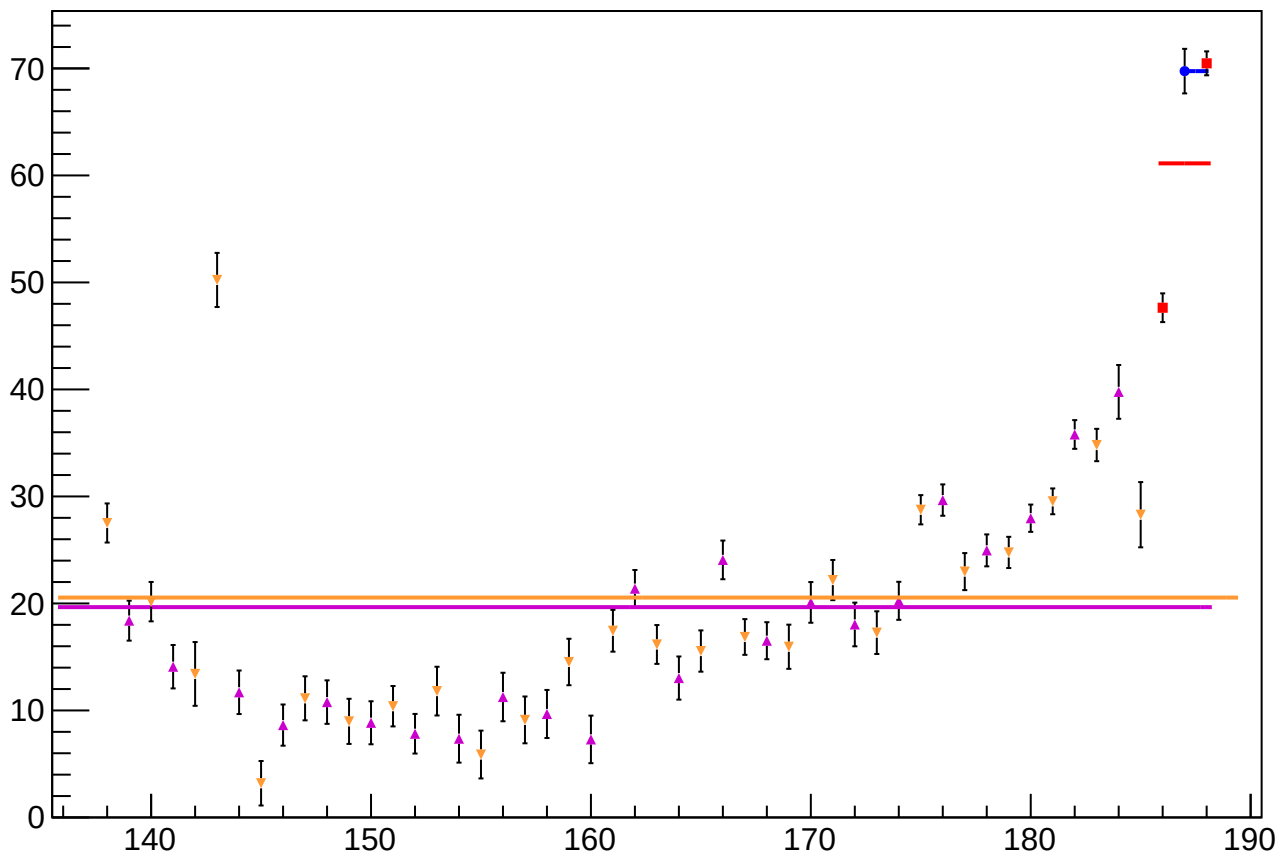
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.175 ± 0.015 $\chi^2/\text{NDF}: 765515.3/42$

All: -18.236 ± 0.011 $\chi^2/\text{NDF}: 1454394.5/86$

- sign -18.296 ± 0.015 $\chi^2/\text{NDF}: 688846.4/43$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 69.747 $\pm$ 2.082 χ^2 /NDF: 0.0/0

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF:626.4/24

Right Out: 61.127 $\pm$ 0.859 χ^2 /NDF: 170.7/1

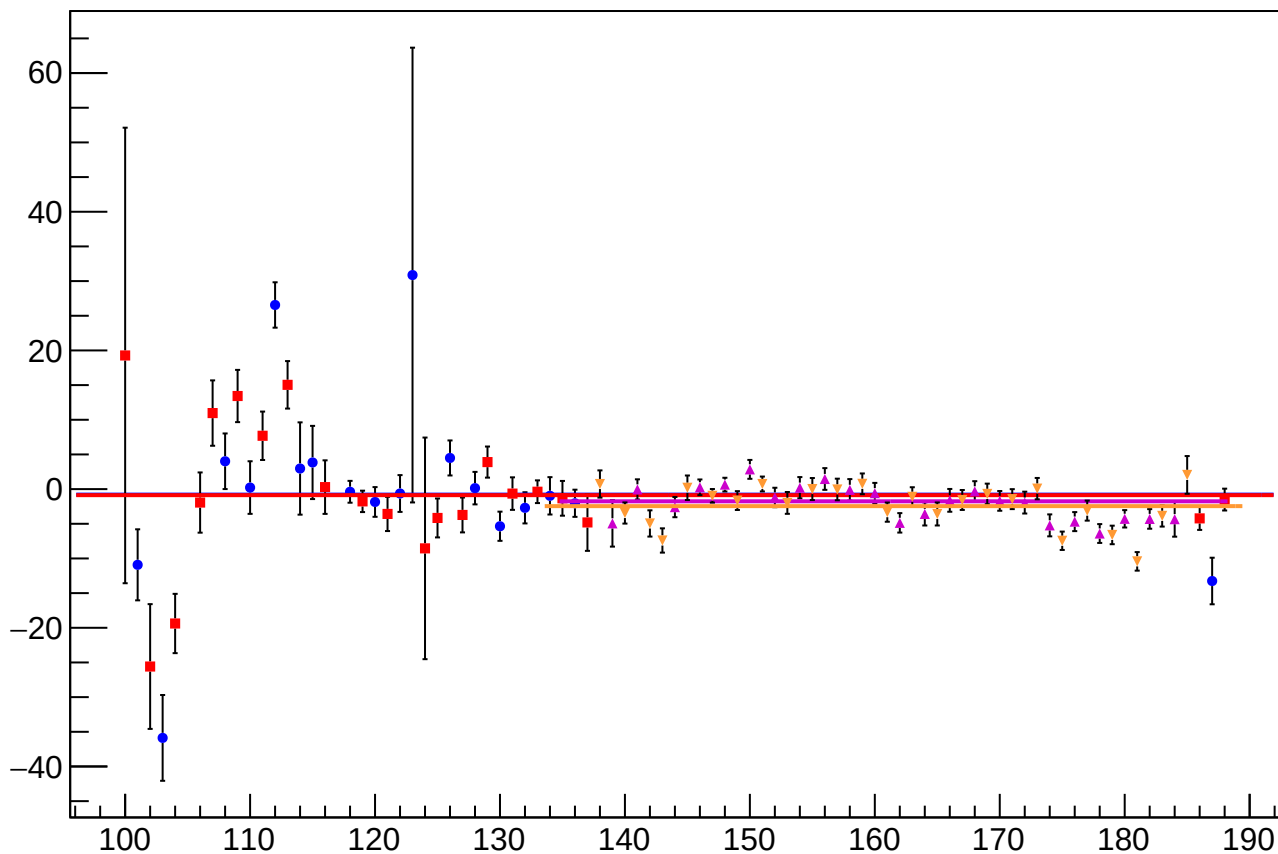
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF:571.8/22

+ sign 22.080 $\pm$ 0.367 χ^2 /NDF: 1167.1/25

All: 24.383 $\pm$ 0.253 χ^2 /NDF: 3931.1/50

- sign 26.449 $\pm$ 0.348 χ^2 /NDF: 2689.4/24

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.796 ± 0.651 χ^2/NDF : 133.9/17

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -0.872 ± 0.570 χ^2/NDF : 89.4/20

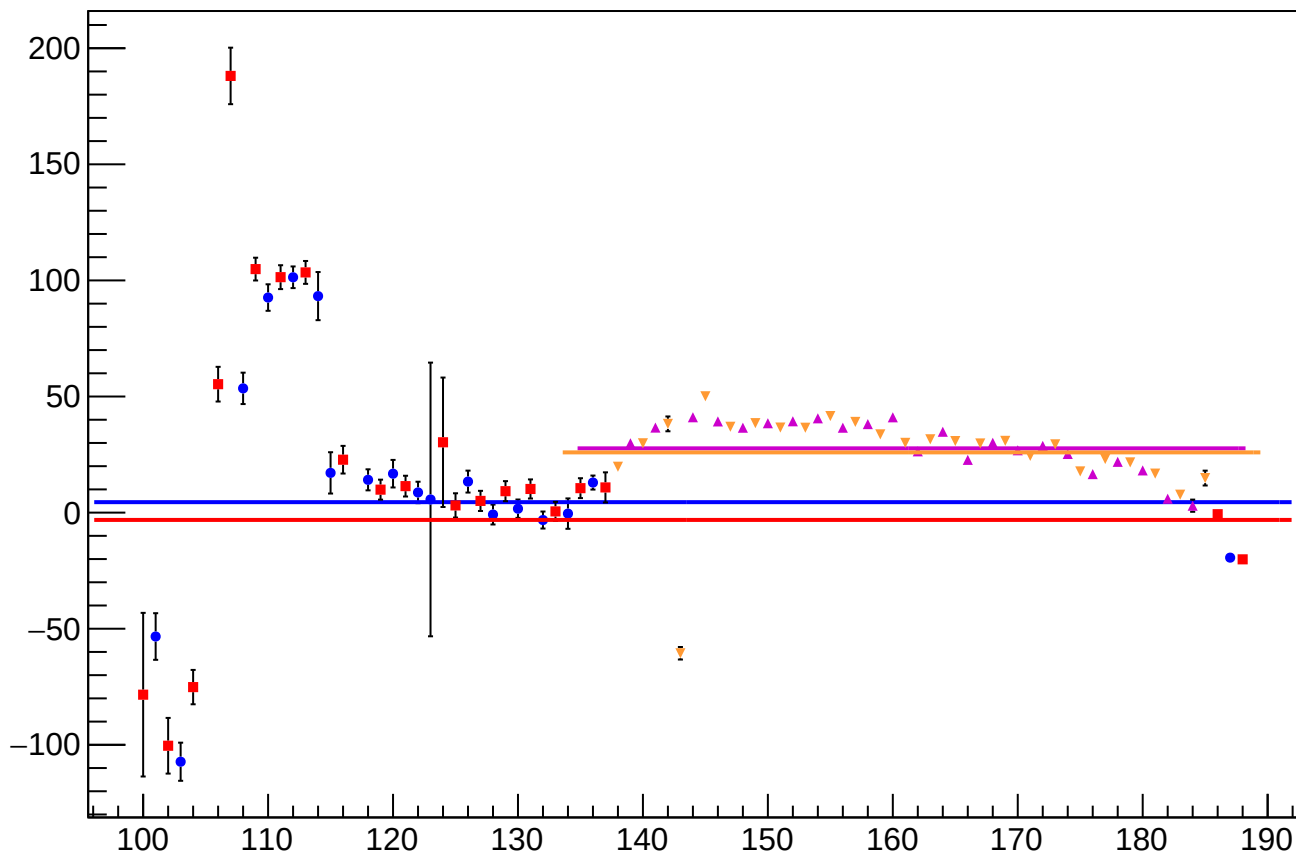
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.176 ± 0.267 χ^2/NDF : 245.3/42

All: -1.870 ± 0.189 χ^2/NDF : 406.6/86

- sign -1.564 ± 0.267 χ^2/NDF : 158.7/43

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 4.506 ± 1.009 χ^2/NDF : 1239.2/17

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -3.146 ± 0.604 χ^2/NDF : 2279.0/20

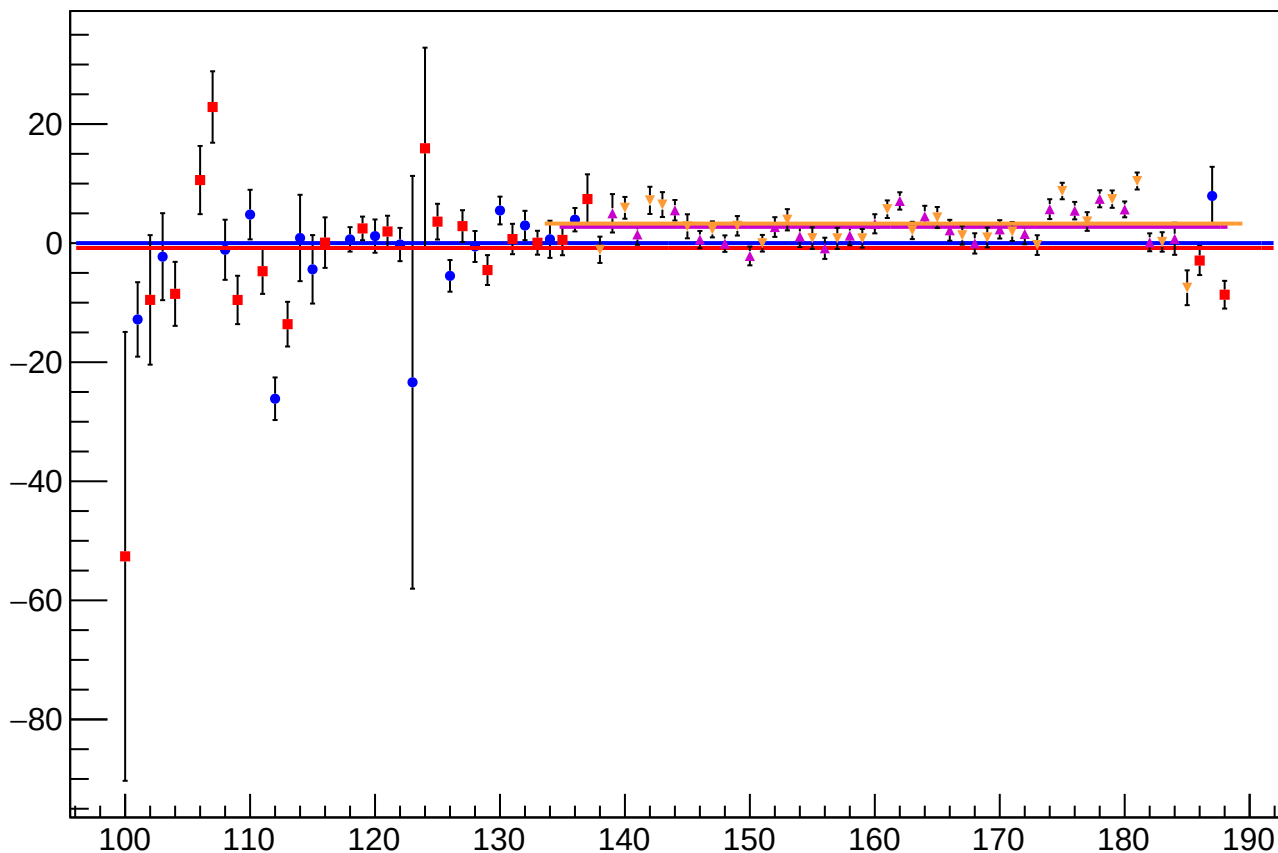
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 23.369 ± 0.349 χ^2/NDF : 3348.0/42

All: 20.999 ± 0.236 χ^2/NDF : 8384.8/86

- sign 19.002 ± 0.321 χ^2/NDF : 4952.0/43

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.005 ± 0.744 χ^2/NDF : 78.3/17

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -0.813 ± 0.685 χ^2/NDF : 69.4/20

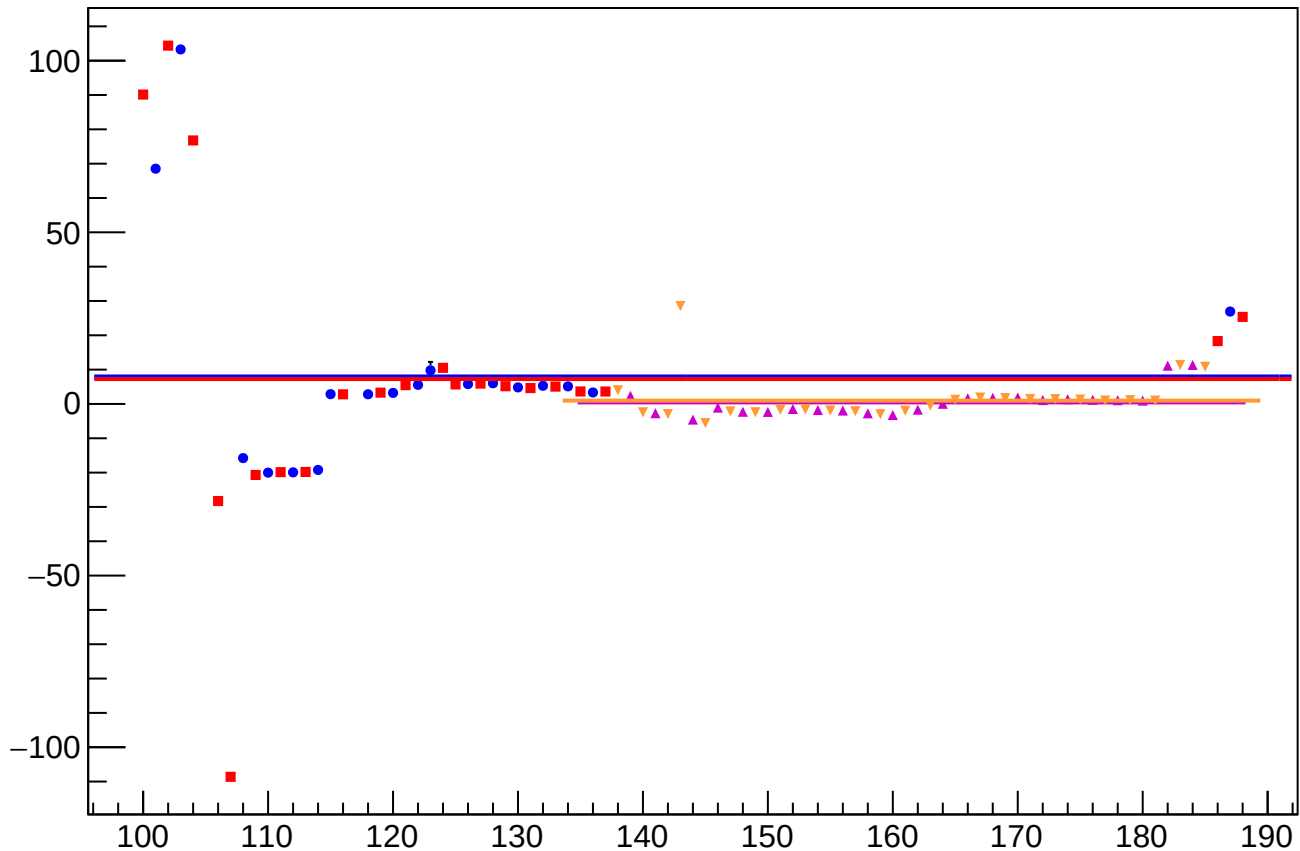
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.741 ± 0.303 χ^2/NDF : 196.8/42

All: 2.389 ± 0.215 χ^2/NDF : 354.9/86

- sign 2.032 ± 0.305 χ^2/NDF : 155.4/43

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 8.004 ± 0.044 χ^2/NDF : 360647.5/17

Left Out: 0.979 ± 0.015 χ^2/NDF : 117391.3/24

Right Out: 7.254 ± 0.041 χ^2/NDF : 547282.5/20

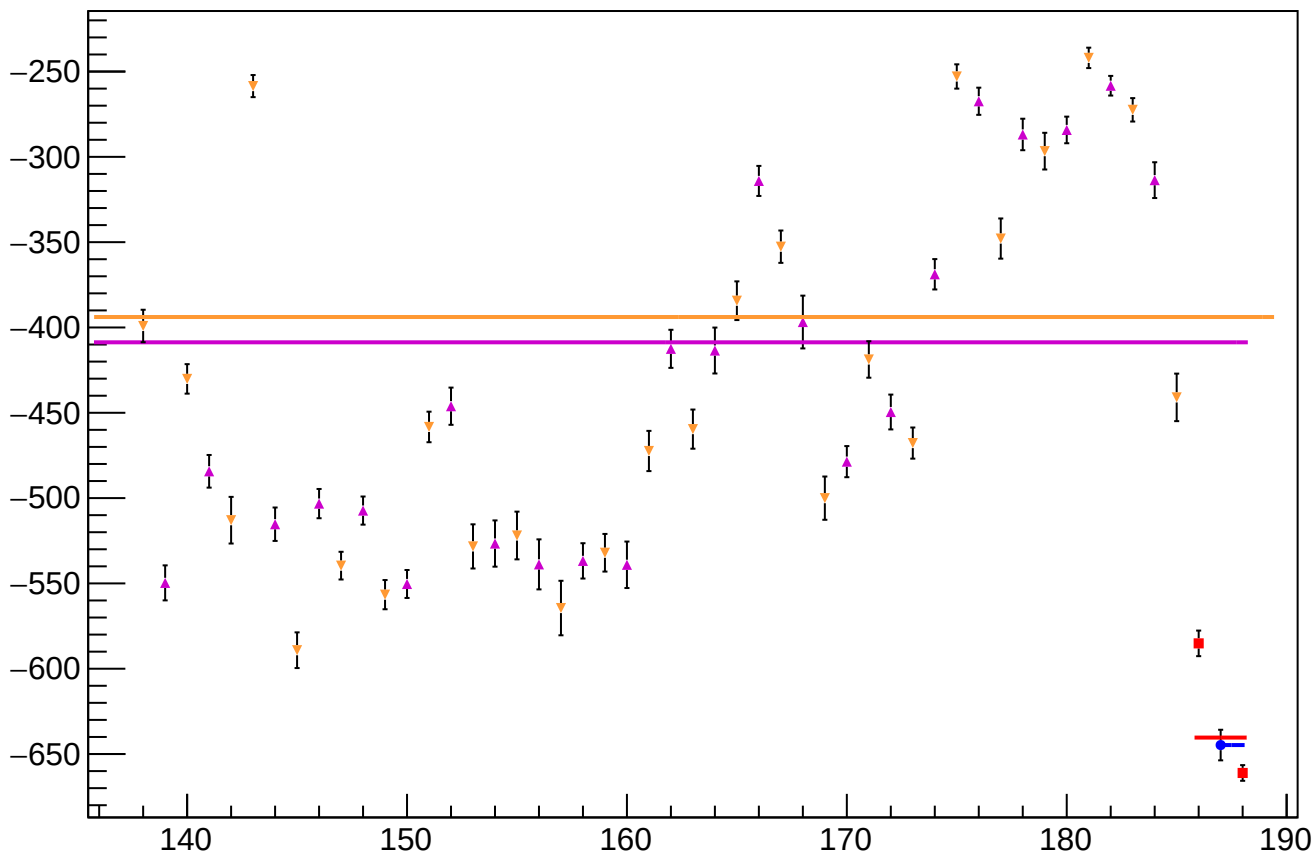
Left In: 0.451 ± 0.015 χ^2/NDF : 50699.8/22

+ sign 1.724 ± 0.014 χ^2/NDF : 500718.7/42

All: 1.509 ± 0.010 χ^2/NDF : 1123147.6/86

- sign 1.291 ± 0.014 χ^2/NDF : 621977.2/43

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -644.742 ± 8.964 χ^2/NDF : 0.0/0

Left Out: -393.871 ± 1.897 χ^2/NDF : 3772.8/24

Right Out: -640.360 ± 3.917 χ^2/NDF : 74.6/1

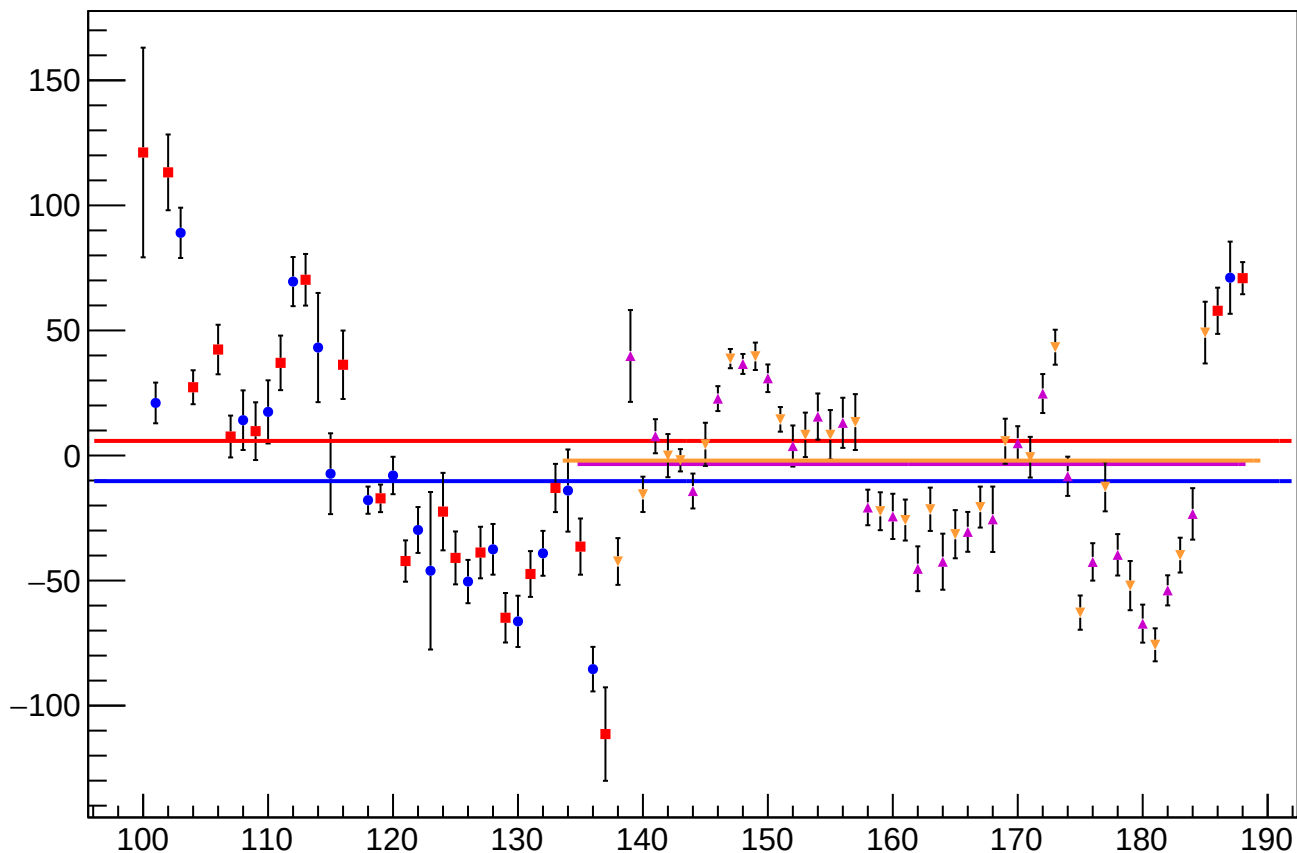
Left In: -408.696 ± 1.979 χ^2/NDF : 3062.9/22

+ sign -404.624 ± 1.856 χ^2/NDF : 4522.4/25

All: -431.479 ± 1.279 χ^2/NDF : 10845.5/50

- sign -455.804 ± 1.766 χ^2/NDF : 5924.1/24

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -10.245 ± 2.322 χ^2/NDF : 373.2/17

Left Out: -2.037 ± 1.424 χ^2/NDF : 563.8/24

Right Out: 5.833 ± 2.078 χ^2/NDF : 503.0/20

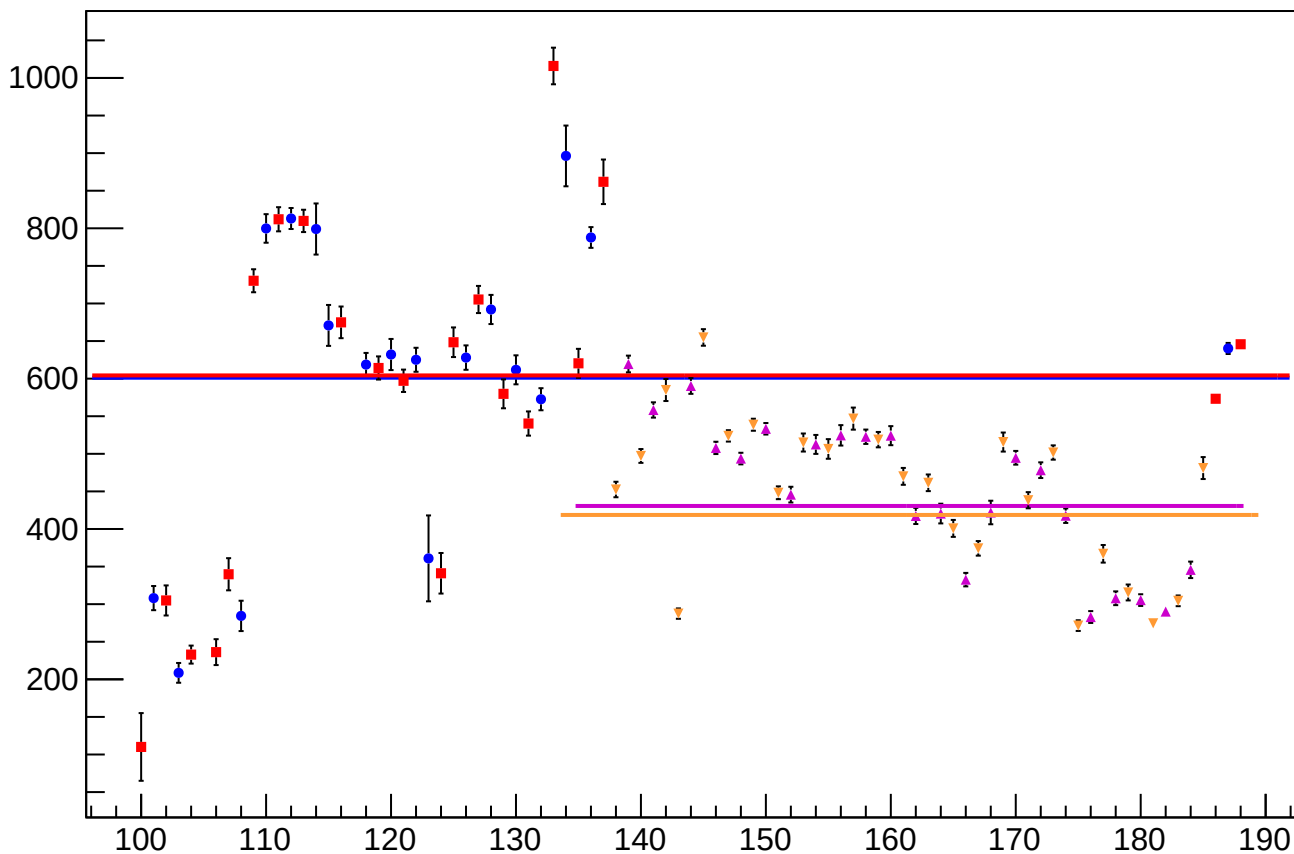
Left In: -3.420 ± 1.520 χ^2/NDF : 451.0/22

+ sign -4.280 ± 1.214 χ^2/NDF : 946.1/42

All: -2.259 ± 0.863 χ^2/NDF : 1918.5/86

- sign -0.195 ± 1.227 χ^2/NDF : 966.9/43

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 601.264 ± 3.753 $\chi^2/\text{NDF}: 2164.8/17$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 604.287 ± 2.503 $\chi^2/\text{NDF}: 3017.0/20$

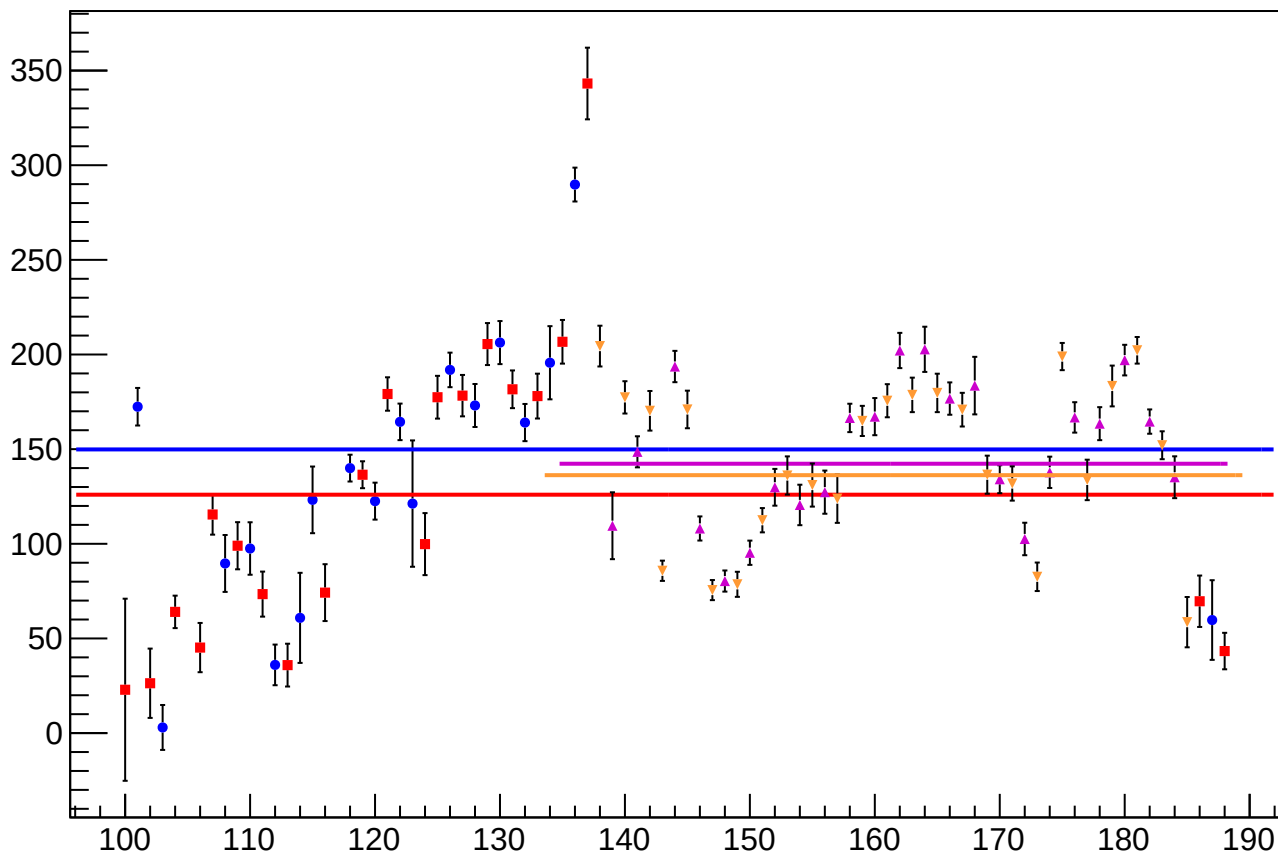
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 456.087 ± 1.699 $\chi^2/\text{NDF}: 7343.6/42$

All: 478.481 ± 1.144 $\chi^2/\text{NDF}: 16500.5/86$

- sign 497.090 ± 1.548 $\chi^2/\text{NDF}: 8838.7/43$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 149.858 ± 2.693 $\chi^2/\text{NDF}: 650.9/17$

Left Out: 136.258 ± 1.651 $\chi^2/\text{NDF}: 758.3/24$

Right Out: 125.944 ± 2.485 $\chi^2/\text{NDF}: 683.4/20$

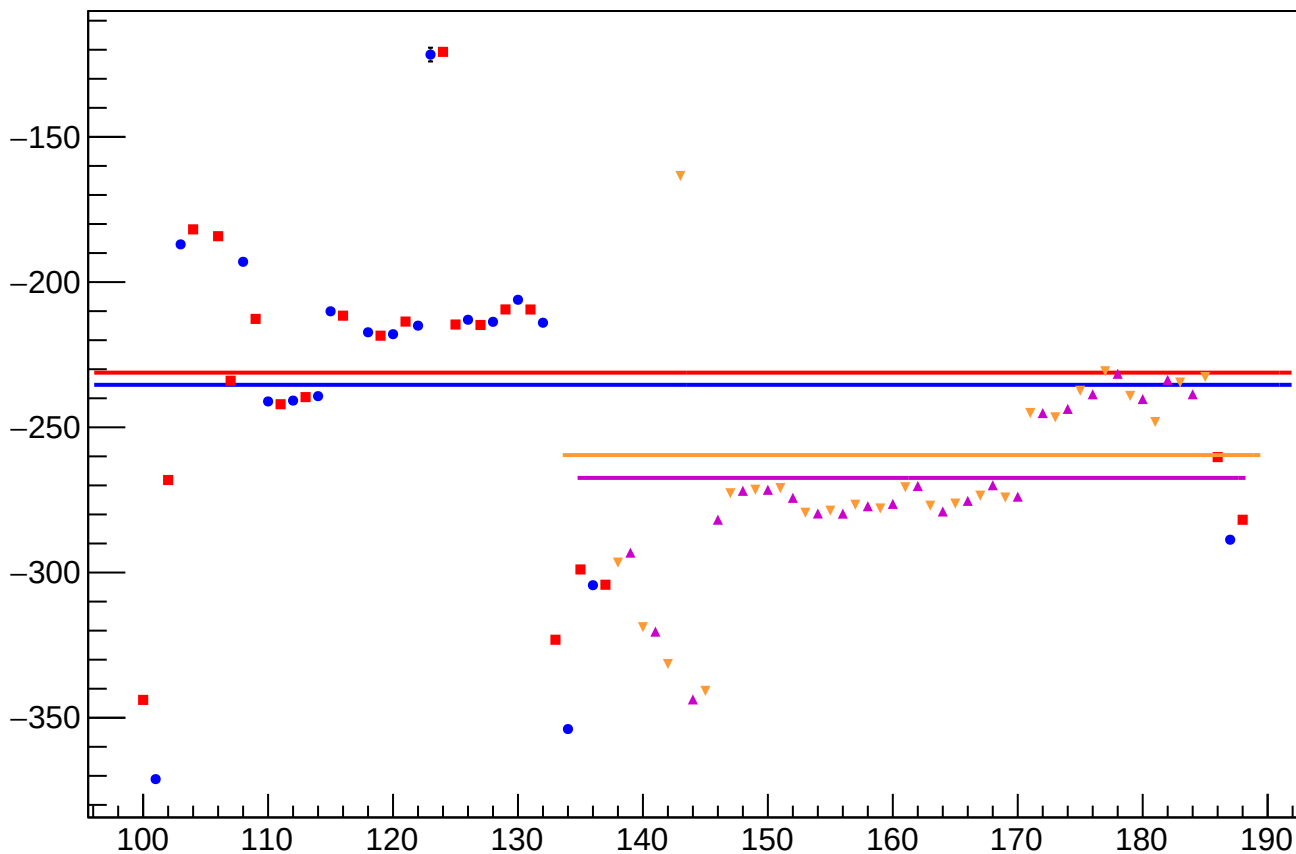
Left In: 142.296 ± 1.745 $\chi^2/\text{NDF}: 459.8/22$

+ sign 139.974 ± 1.407 $\chi^2/\text{NDF}: 1427.7/42$

All: 138.458 ± 1.002 $\chi^2/\text{NDF}: 2602.2/86$

- sign 136.898 ± 1.428 $\chi^2/\text{NDF}: 1172.2/43$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -235.368 ± 0.148 $\chi^2/\text{NDF}: 147053.7/17$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -231.172 ± 0.135 $\chi^2/\text{NDF}: 110932.4/20$

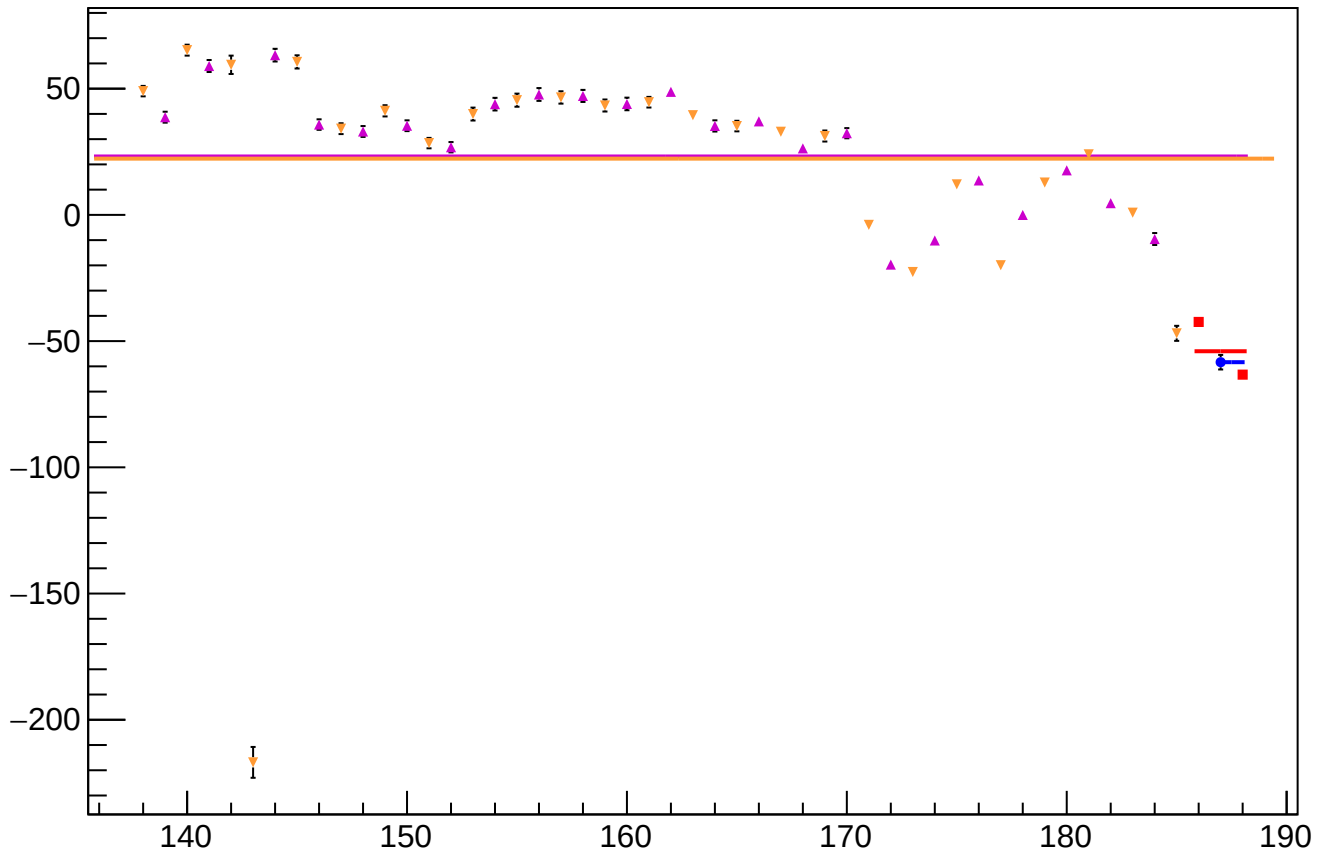
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -254.187 ± 0.070 $\chi^2/\text{NDF}: 406055.2/42$

All: -255.942 ± 0.049 $\chi^2/\text{NDF}: 669070.6/86$

- sign -257.704 ± 0.070 $\chi^2/\text{NDF}: 261746.3/43$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -58.350 ± 2.889 χ^2/NDF : 0.0/0

Left Out: 22.279 ± 0.399 χ^2/NDF : 5171.0/24

Right Out: -54.013 ± 1.163 χ^2/NDF : 79.5/1

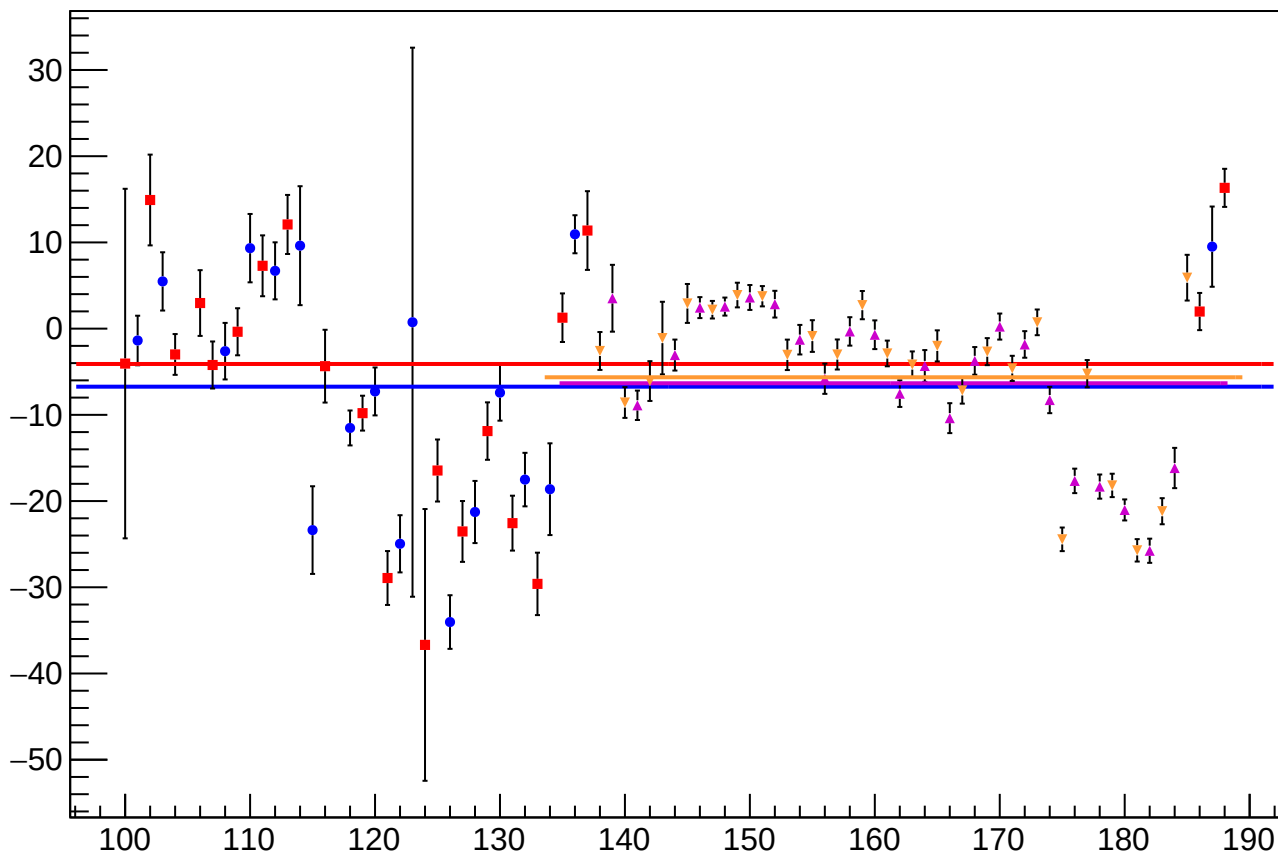
Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 20.772 ± 0.395 χ^2/NDF : 5935.5/25

All: 17.733 ± 0.274 χ^2/NDF : 12802.7/50

- sign 14.928 ± 0.380 χ^2/NDF : 6753.5/24

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.733 ± 0.779 χ^2/NDF : 290.0/17

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -4.100 ± 0.683 χ^2/NDF : 366.0/20

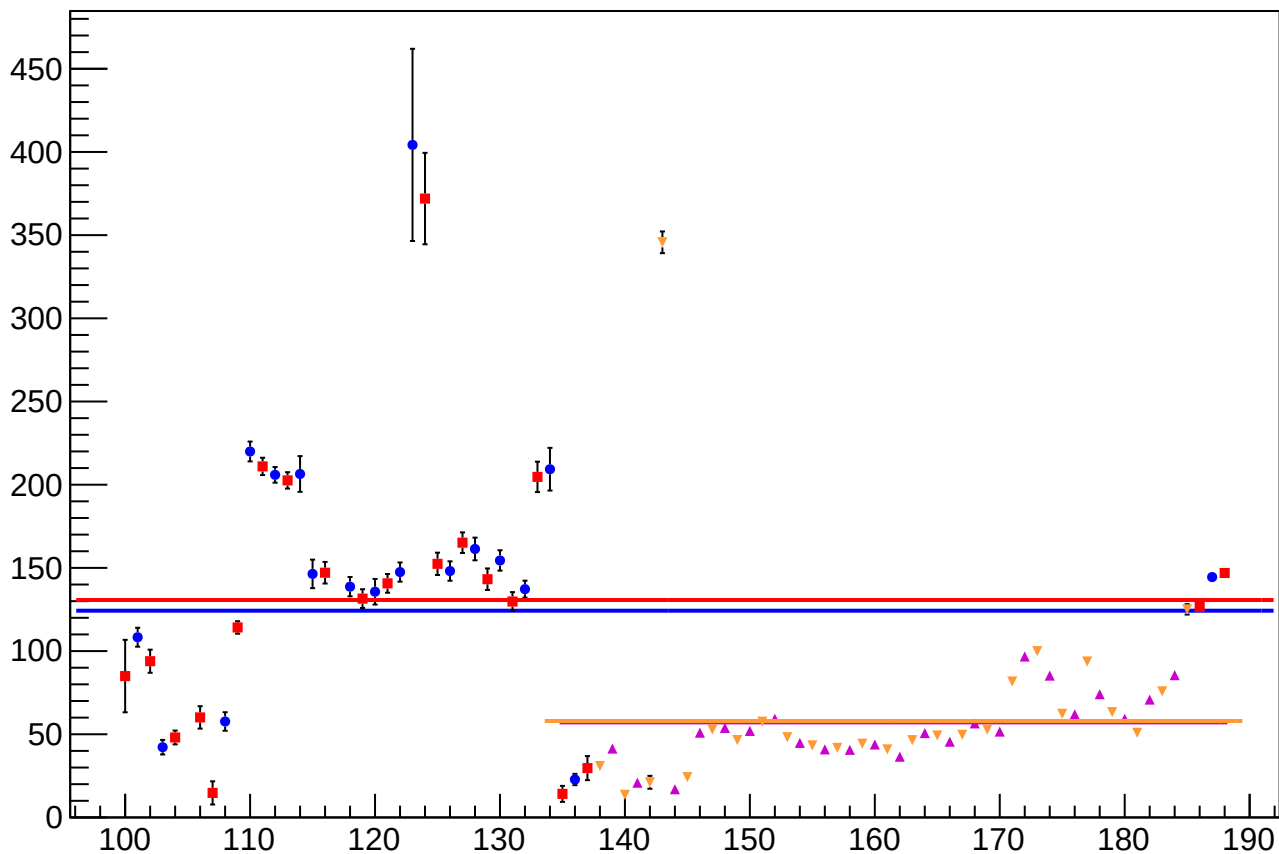
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -5.796 ± 0.292 χ^2/NDF : 1185.4/42

All: -5.864 ± 0.206 χ^2/NDF : 2343.3/86

- sign -5.932 ± 0.291 χ^2/NDF : 1157.8/43

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 124.273 ± 1.218 χ^2/NDF : 2257.4/17

Left Out: 57.990 ± 0.398 χ^2/NDF : 4635.7/24

Right Out: 130.695 ± 0.771 χ^2/NDF : 2435.2/20

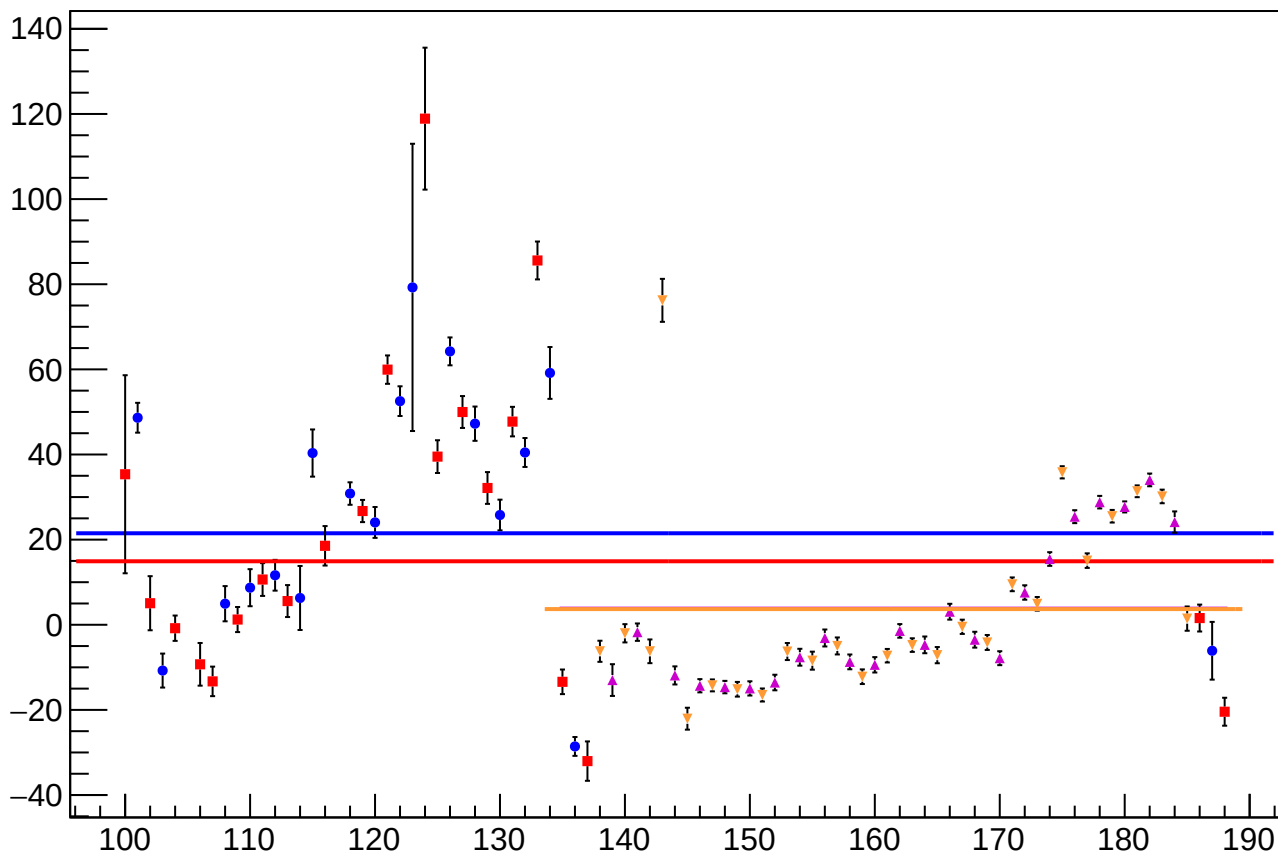
Left In: 57.139 ± 0.400 χ^2/NDF : 1803.4/22

+ sign 64.383 ± 0.378 χ^2/NDF : 9568.8/42

All: 68.808 ± 0.259 χ^2/NDF : 21234.9/86

- sign 72.701 ± 0.355 χ^2/NDF : 11408.8/43

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 21.495+/-0.892 χ^2/NDF : 1078.1/17

Left Out: 3.684+/-0.357 χ^2/NDF : 2541.7/24

Right Out: 14.916+/-0.815 χ^2/NDF : 1216.0/20

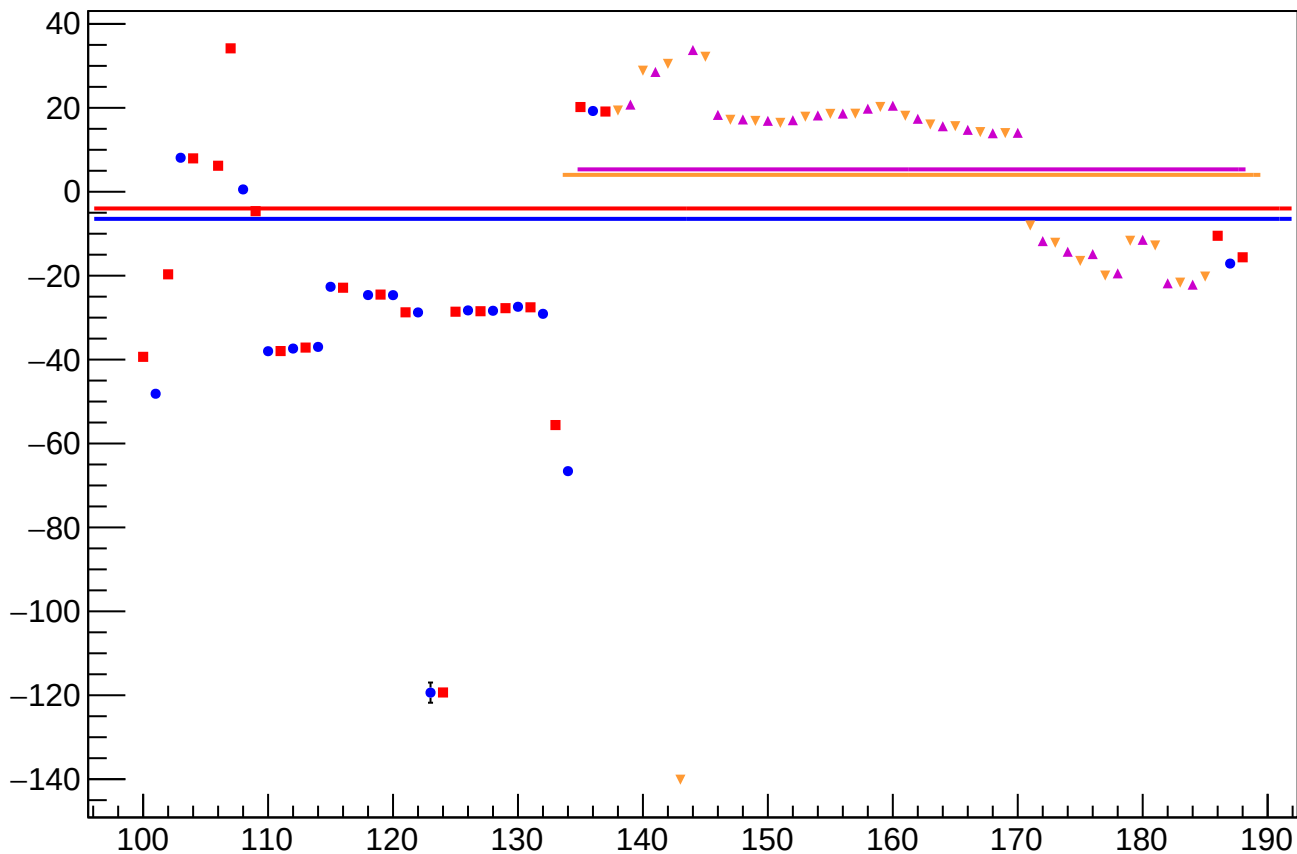
Left In: 3.786+/-0.362 χ^2/NDF : 2198.8/22

+ sign 6.138+/-0.331 χ^2/NDF : 3963.2/42

All: 5.878+/-0.234 χ^2/NDF : 7535.1/86

- sign 5.619+/-0.331 χ^2/NDF : 3570.7/43

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.460 ± 0.046 χ^2/NDF : 264882.7/17

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -3.983 ± 0.043 χ^2/NDF : 271639.5/20

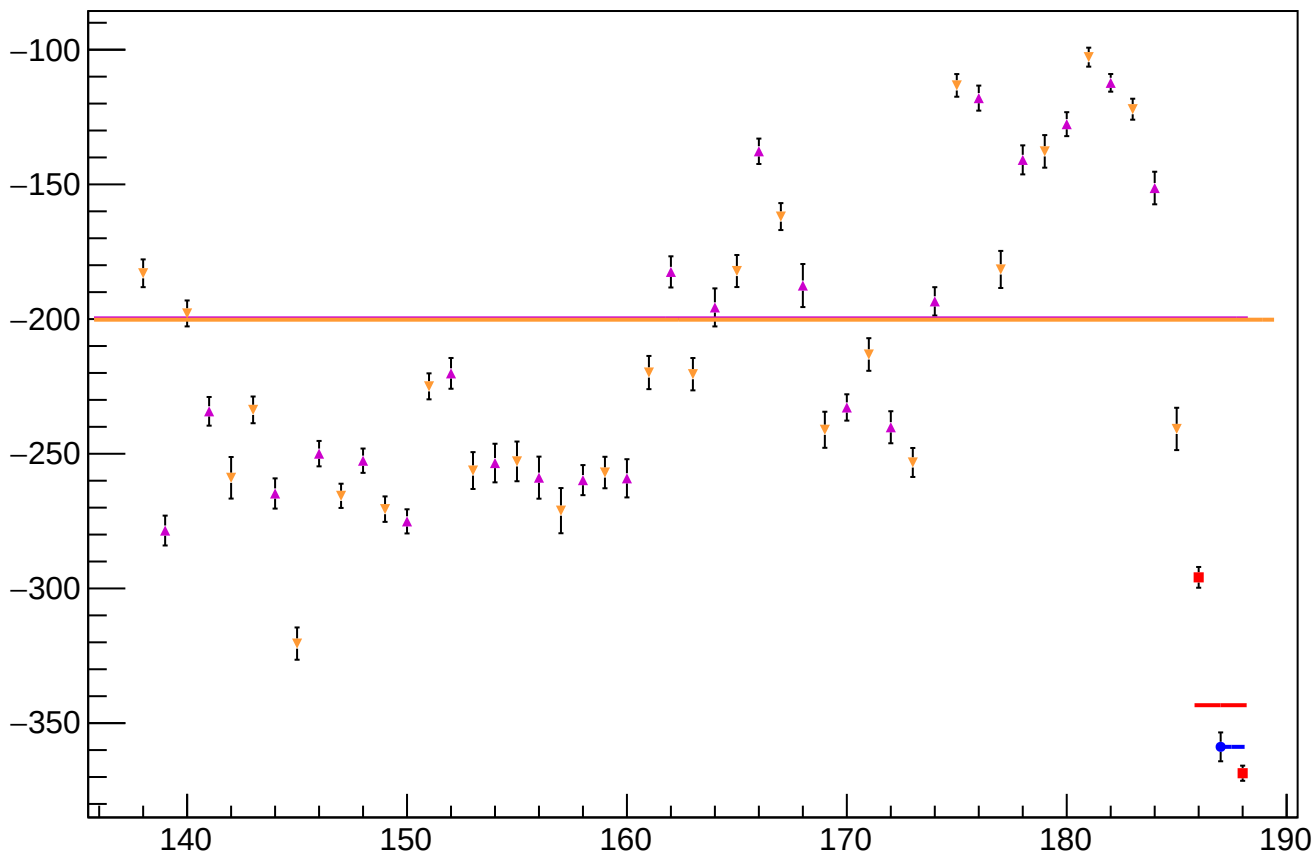
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 2.849 ± 0.015 χ^2/NDF : 1694100.5/42

All: 3.508 ± 0.011 χ^2/NDF : 3087768.2/86

- sign 4.161 ± 0.015 χ^2/NDF : 1390034.2/43

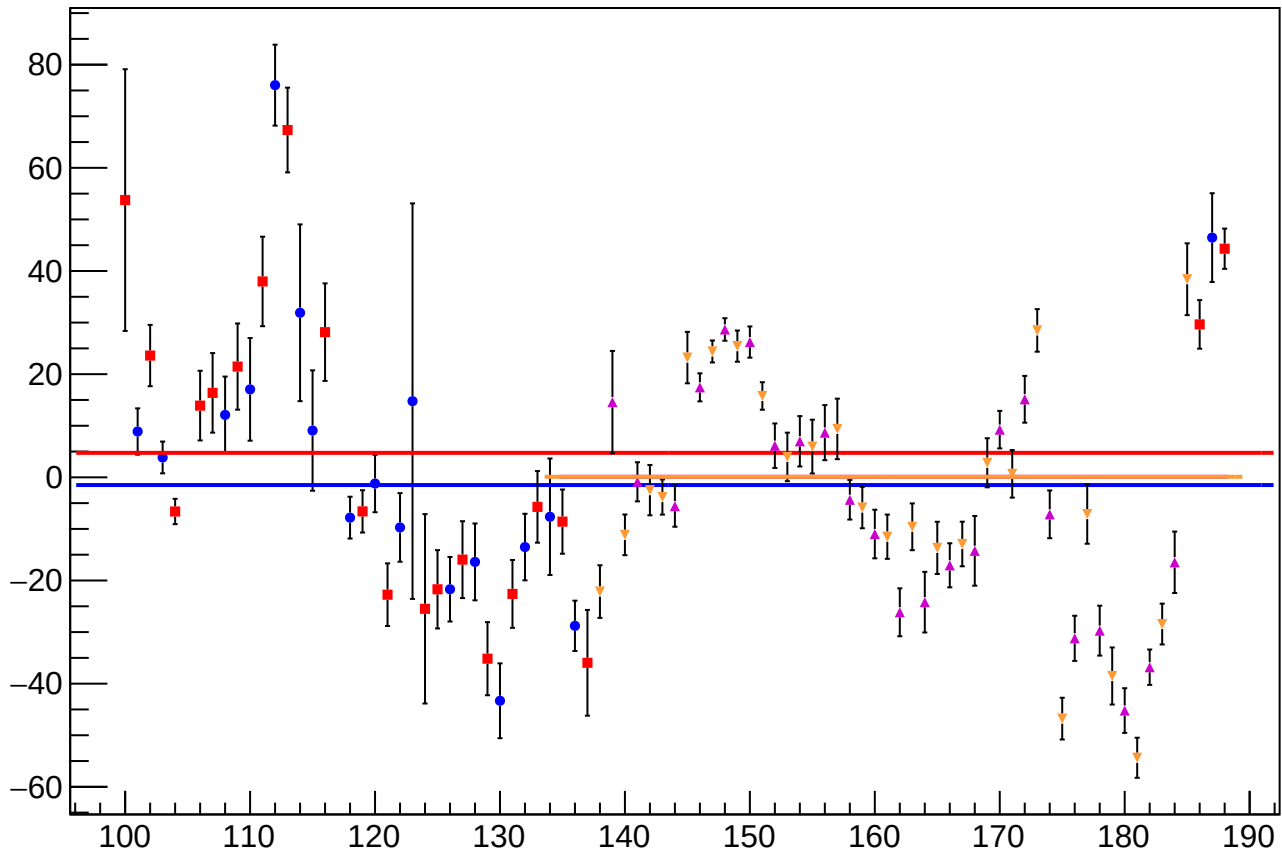
reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -358.804 ± 5.356 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$
 Right Out: -343.343 ± 2.272 $\chi^2/\text{NDF}: 232.2/1$
 Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -206.400 ± 1.057 $\chi^2/\text{NDF}: 4067.5/25$
 All: -217.338 ± 0.722 $\chi^2/\text{NDF}: 10707.9/50$
 - sign -226.904 ± 0.988 $\chi^2/\text{NDF}: 6439.5/24$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -1.494 ± 1.448 $\chi^2/\text{NDF}: 235.4/17$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 4.750 ± 1.267 $\chi^2/\text{NDF}: 375.5/20$

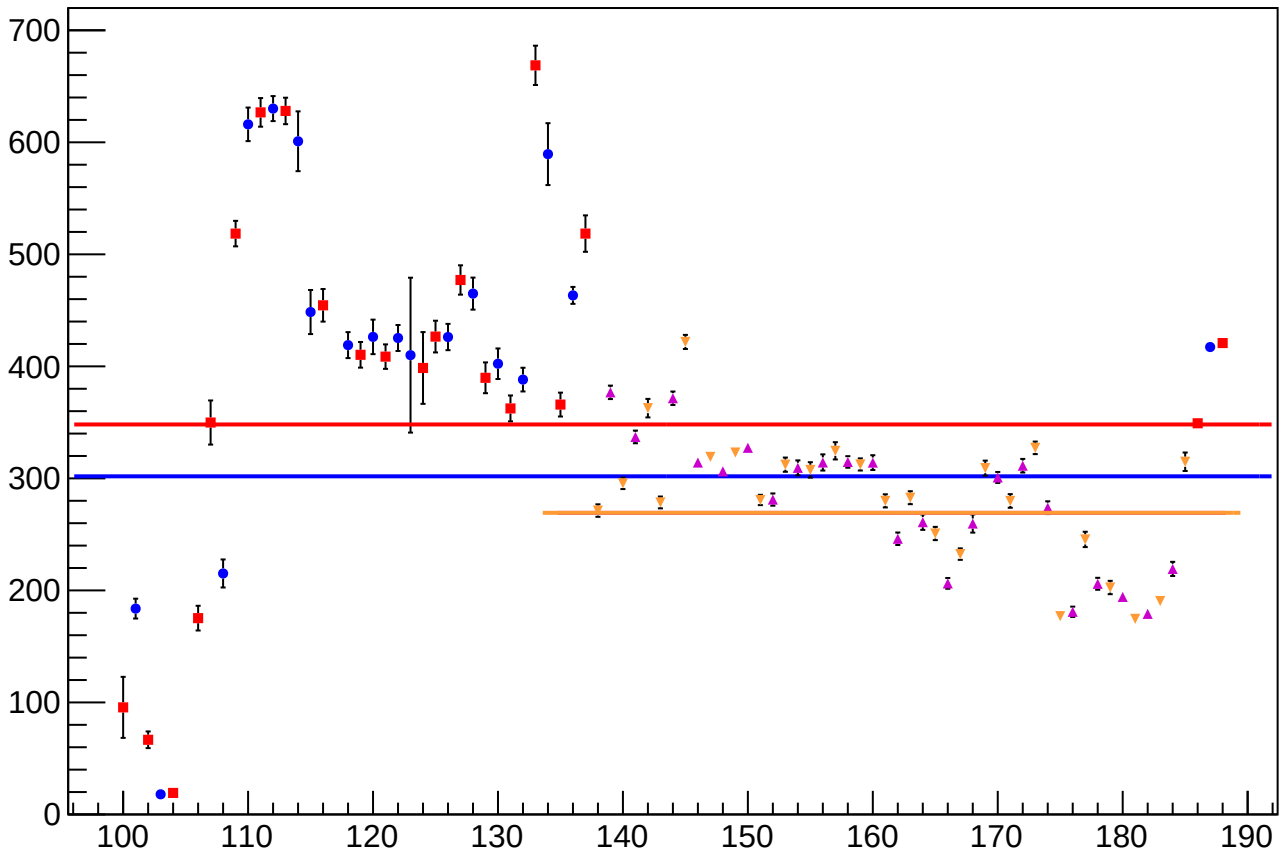
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign -0.271 ± 0.705 $\chi^2/\text{NDF}: 1067.5/42$

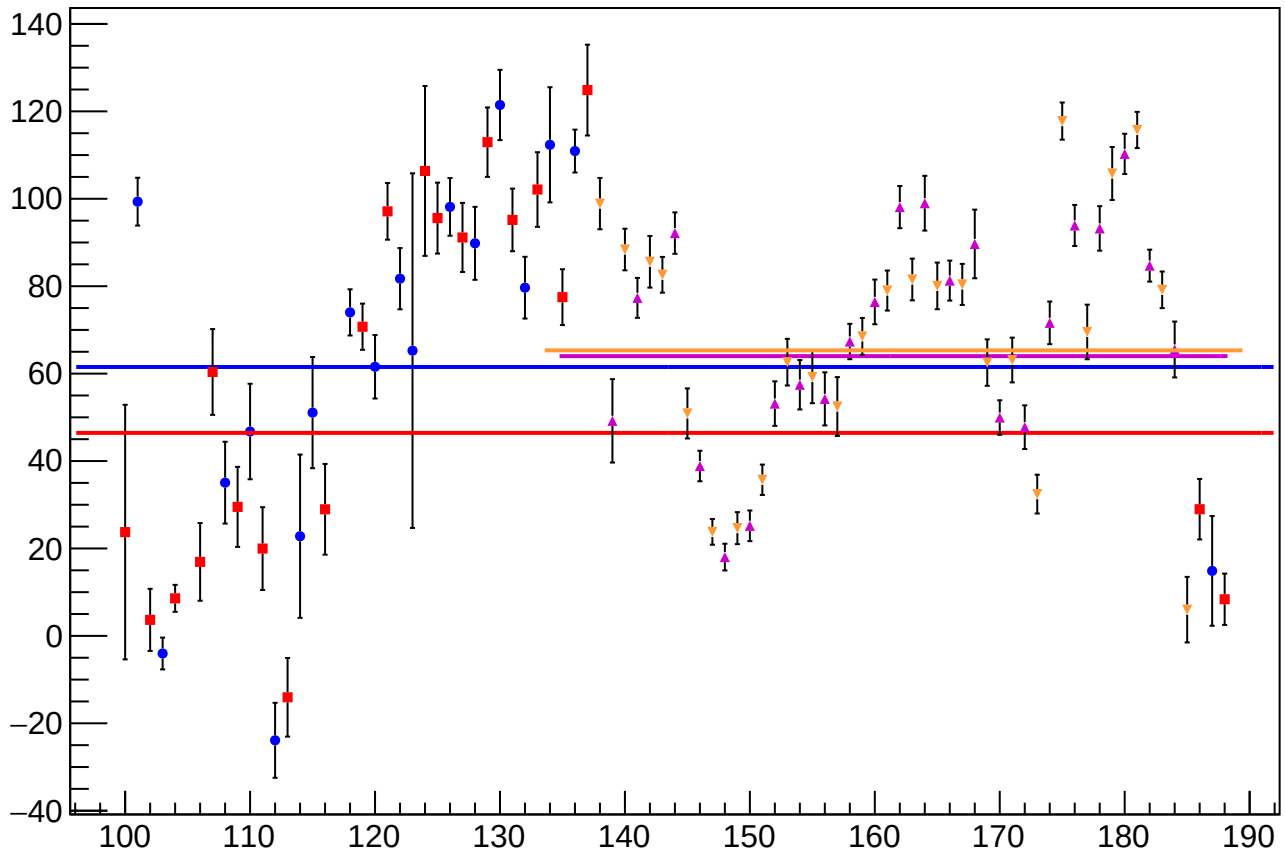
All: 0.628 ± 0.496 $\chi^2/\text{NDF}: 2171.1/86$

- sign 1.513 ± 0.699 $\chi^2/\text{NDF}: 1100.3/43$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 61.521 ± 1.681 $\chi^2/\text{NDF}: 734.9/17$

Left Out: 65.323 ± 0.935 $\chi^2/\text{NDF}: 1007.1/24$

Right Out: 46.442 ± 1.543 $\chi^2/\text{NDF}: 708.1/20$

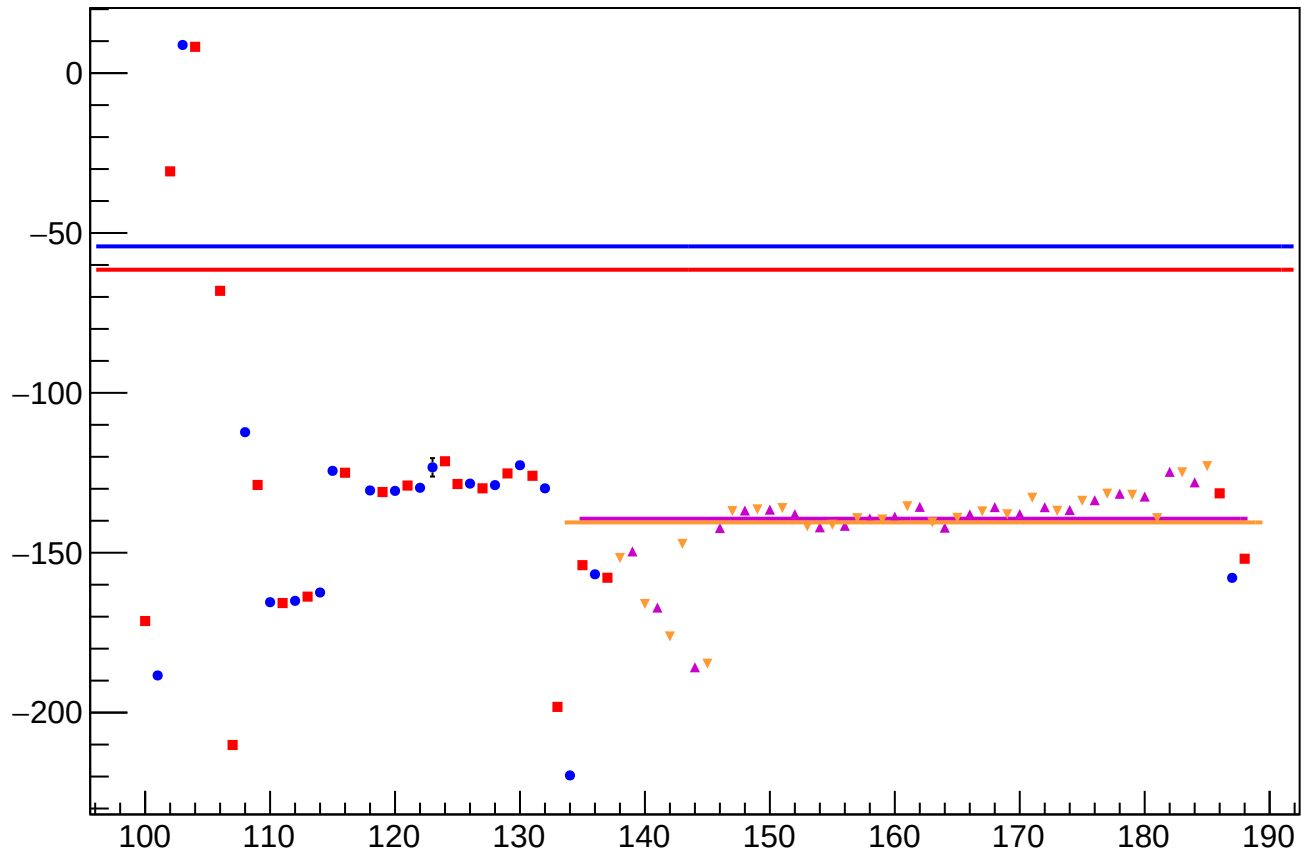
Left In: 63.999 ± 0.963 $\chi^2/\text{NDF}: 799.5/22$

+ sign 64.425 ± 0.817 $\chi^2/\text{NDF}: 1746.0/42$

All: 61.752 ± 0.578 $\chi^2/\text{NDF}: 3368.1/86$

- sign 59.080 ± 0.817 $\chi^2/\text{NDF}: 1600.7/43$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -54.190 ± 0.070 χ^2/NDF : 1245373.1/17

Left Out: -140.519 ± 0.045 χ^2/NDF : 77489.0/24

Right Out: -61.492 ± 0.069 χ^2/NDF : 1075644.0/20

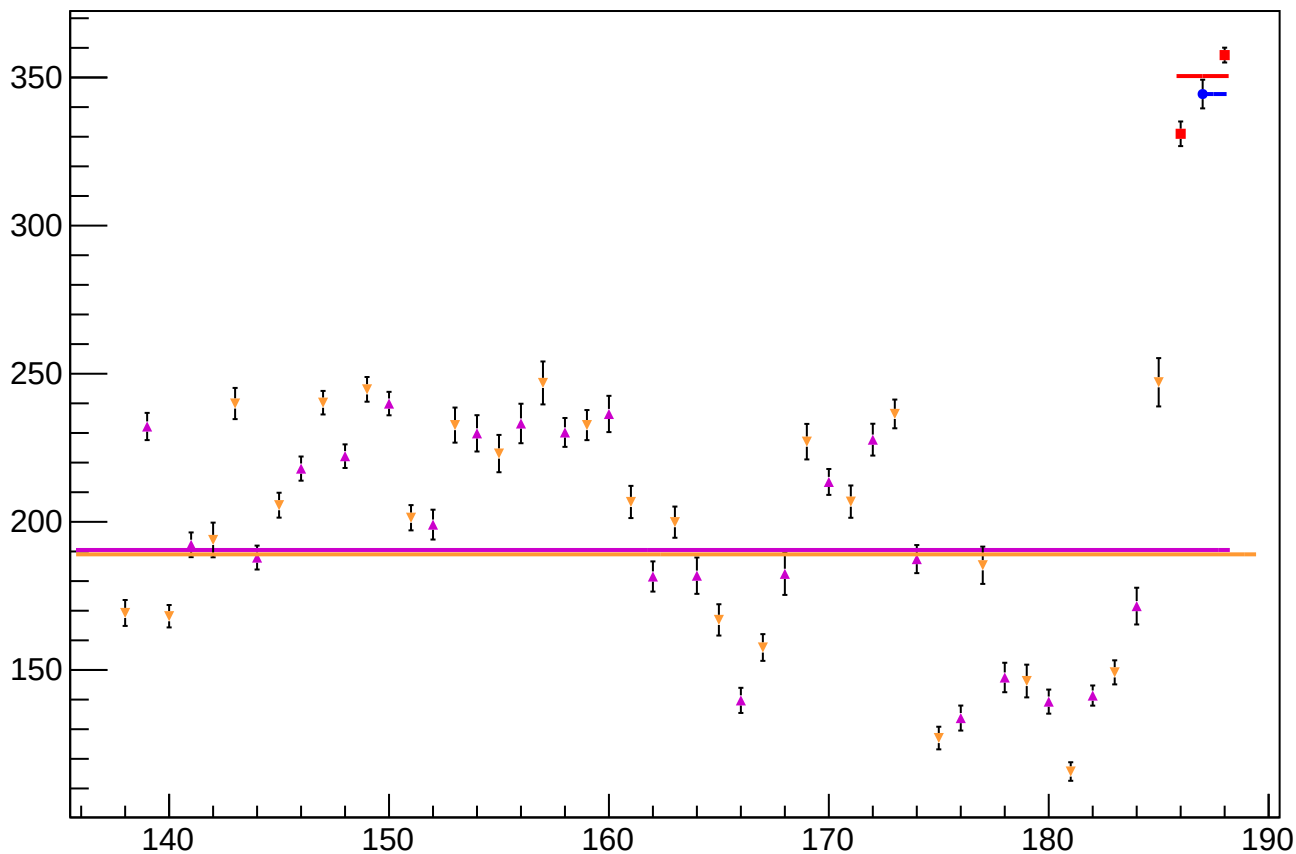
Left In: -139.360 ± 0.045 χ^2/NDF : 62449.0/22

+ sign -115.684 ± 0.038 χ^2/NDF : 2402960.9/42

All: -116.013 ± 0.027 χ^2/NDF : 4425832.0/86

- sign -116.345 ± 0.038 χ^2/NDF : 2022717.3/43

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 344.410 $\pm$ 4.840 χ^2 /NDF: 0.0/0

Left Out: 189.030 $\pm$ 0.956 χ^2 /NDF:1980.9/24

Right Out: 350.479 $\pm$ 2.146 χ^2 /NDF: 30.0/1

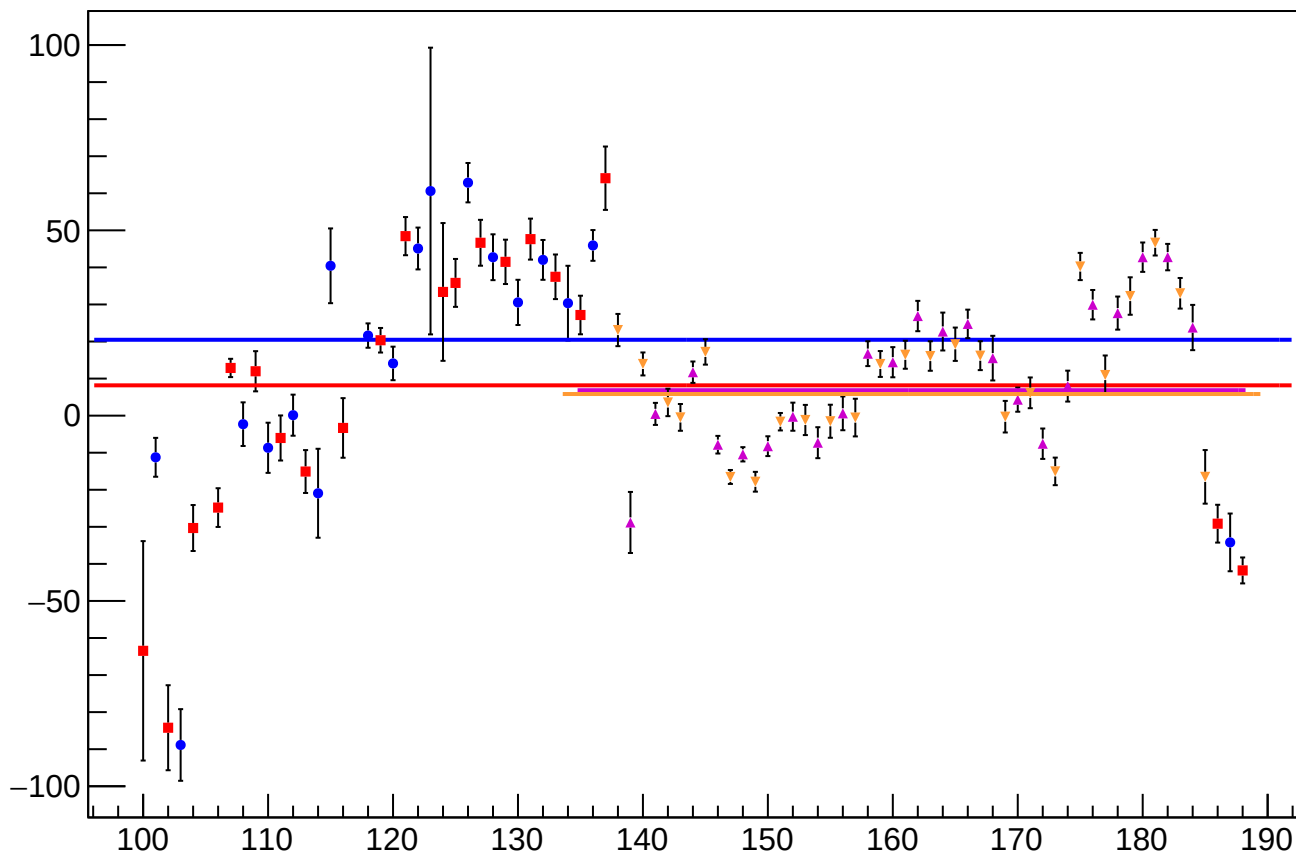
Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

+ sign 194.862 $\pm$ 0.938 χ^2 /NDF: 2972.8/25

All: 207.008 $\pm$ 0.645 χ^2 /NDF: 9341.3/50

- sign 217.892 $\pm$ 0.888 χ^2 /NDF: 6050.5/24

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 20.472 ± 1.376 $\chi^2/\text{NDF}: 432.8/17$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 8.176 ± 1.130 $\chi^2/\text{NDF}: 728.9/20$

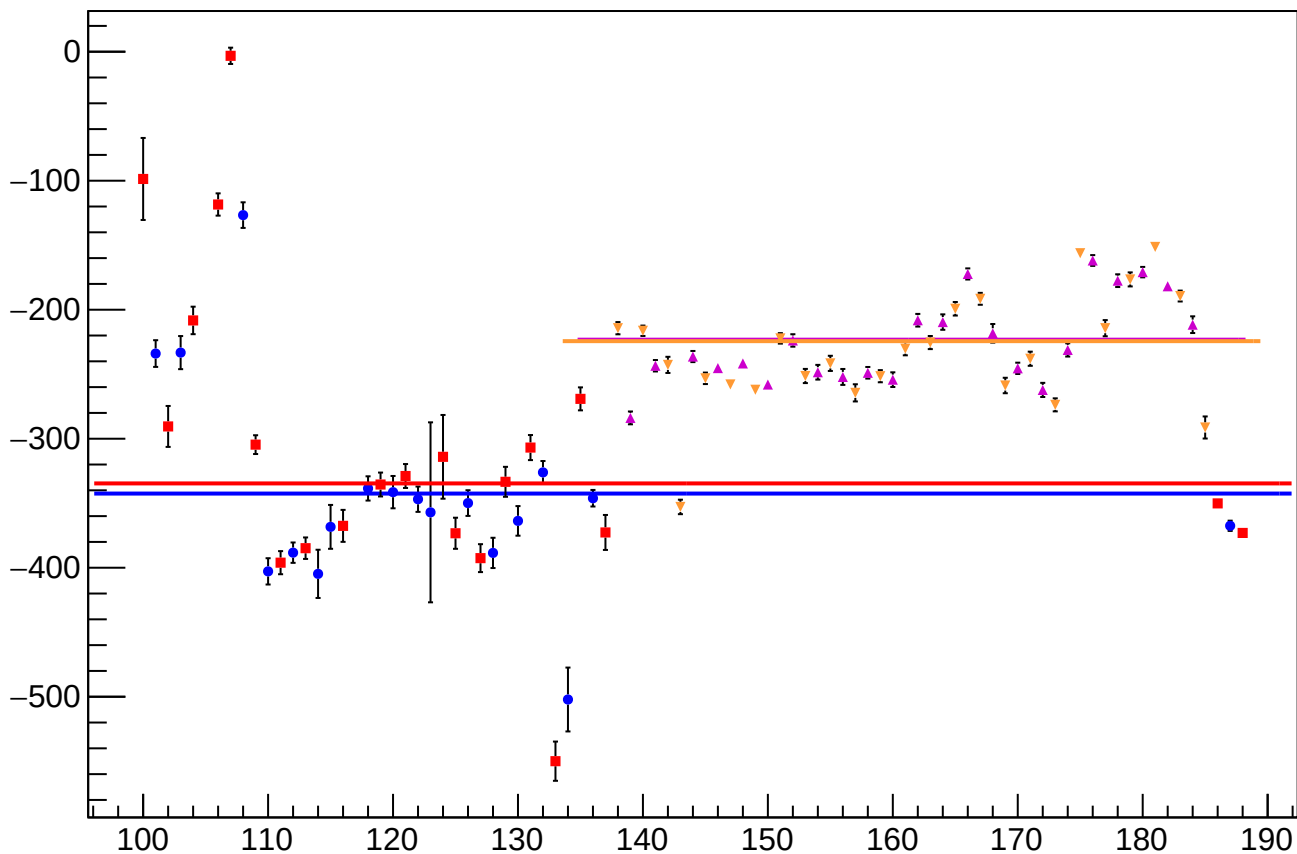
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 8.929 ± 0.633 $\chi^2/\text{NDF}: 1174.3/42$

All: 8.070 ± 0.442 $\chi^2/\text{NDF}: 2430.5/86$

- sign 7.253 ± 0.617 $\chi^2/\text{NDF}: 1252.6/43$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -342.511 ± 2.168 χ^2/NDF : 842.1/17

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -334.646 ± 1.383 χ^2/NDF : 4387.7/20

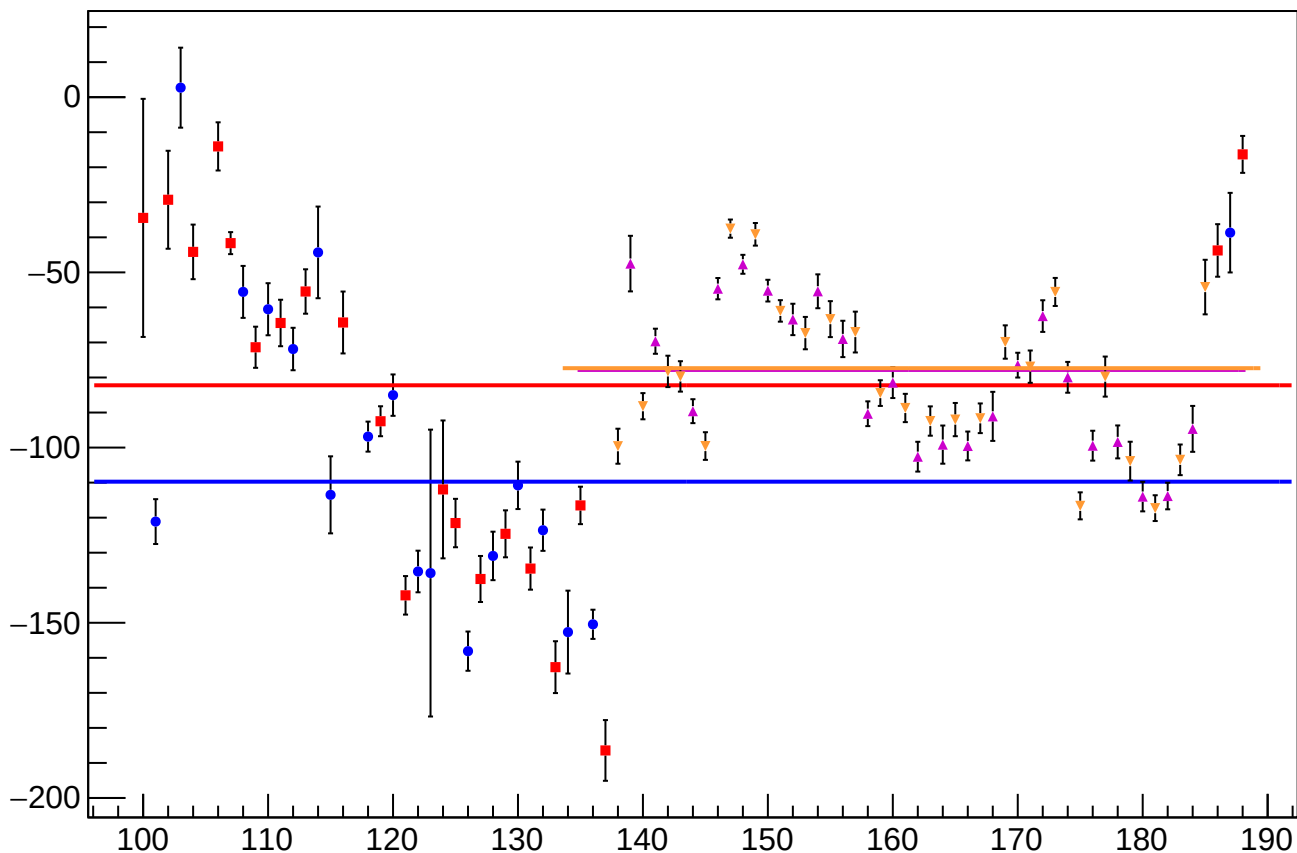
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -243.604 ± 0.875 χ^2/NDF : 5432.4/42

All: -252.552 ± 0.588 χ^2/NDF : 15633.2/86

- sign -259.919 ± 0.794 χ^2/NDF : 10010.0/43

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -109.732 ± 1.585 χ^2/NDF : 544.5/17

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -82.225 ± 1.362 χ^2/NDF : 1170.5/20

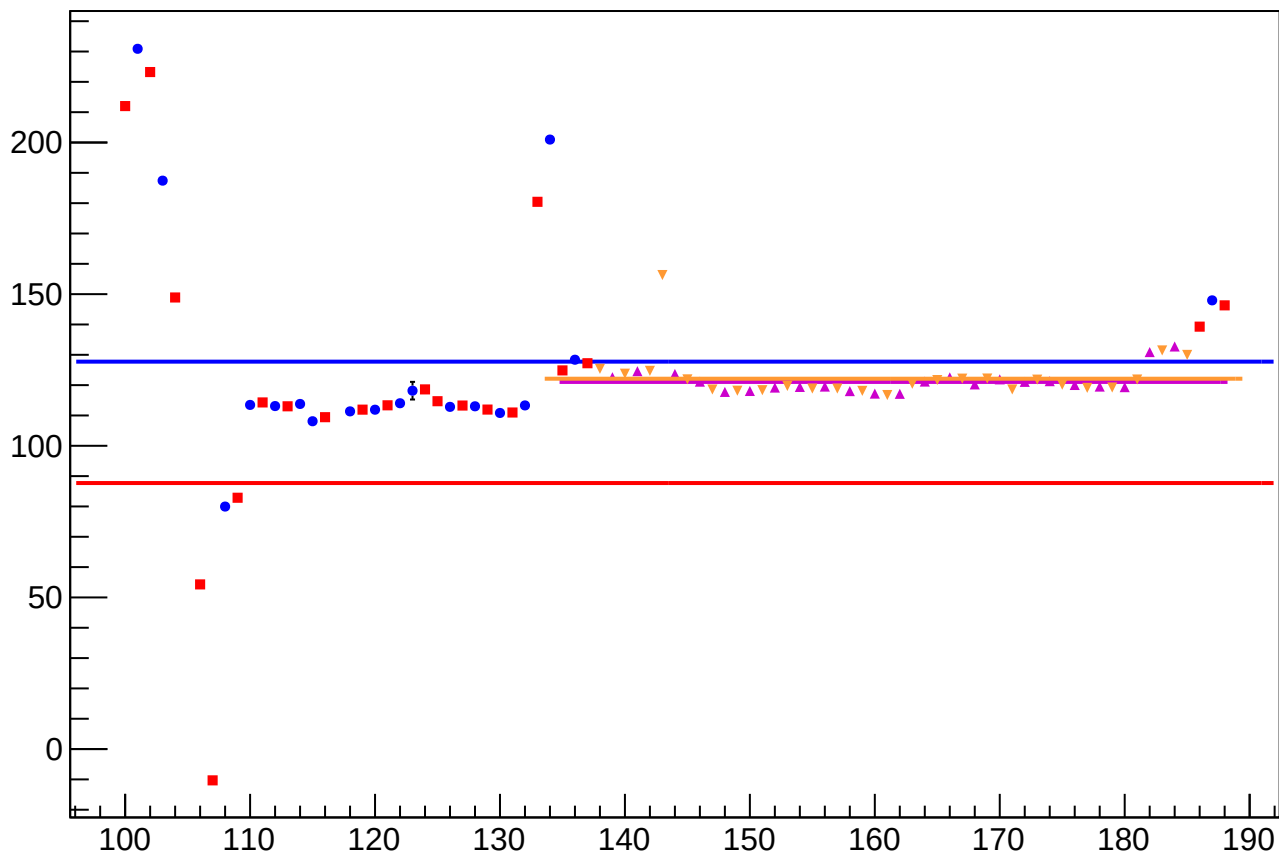
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -84.268 ± 0.733 χ^2/NDF : 1719.0/42

All: -81.621 ± 0.514 χ^2/NDF : 3545.4/86

- sign -79.066 ± 0.720 χ^2/NDF : 1800.8/43

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.747 $\pm$ 0.089 χ^2 /NDF: 188734.5/17

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24

Right Out: 87.718 $\pm$ 0.072 χ^2 /NDF: 821456.5/20

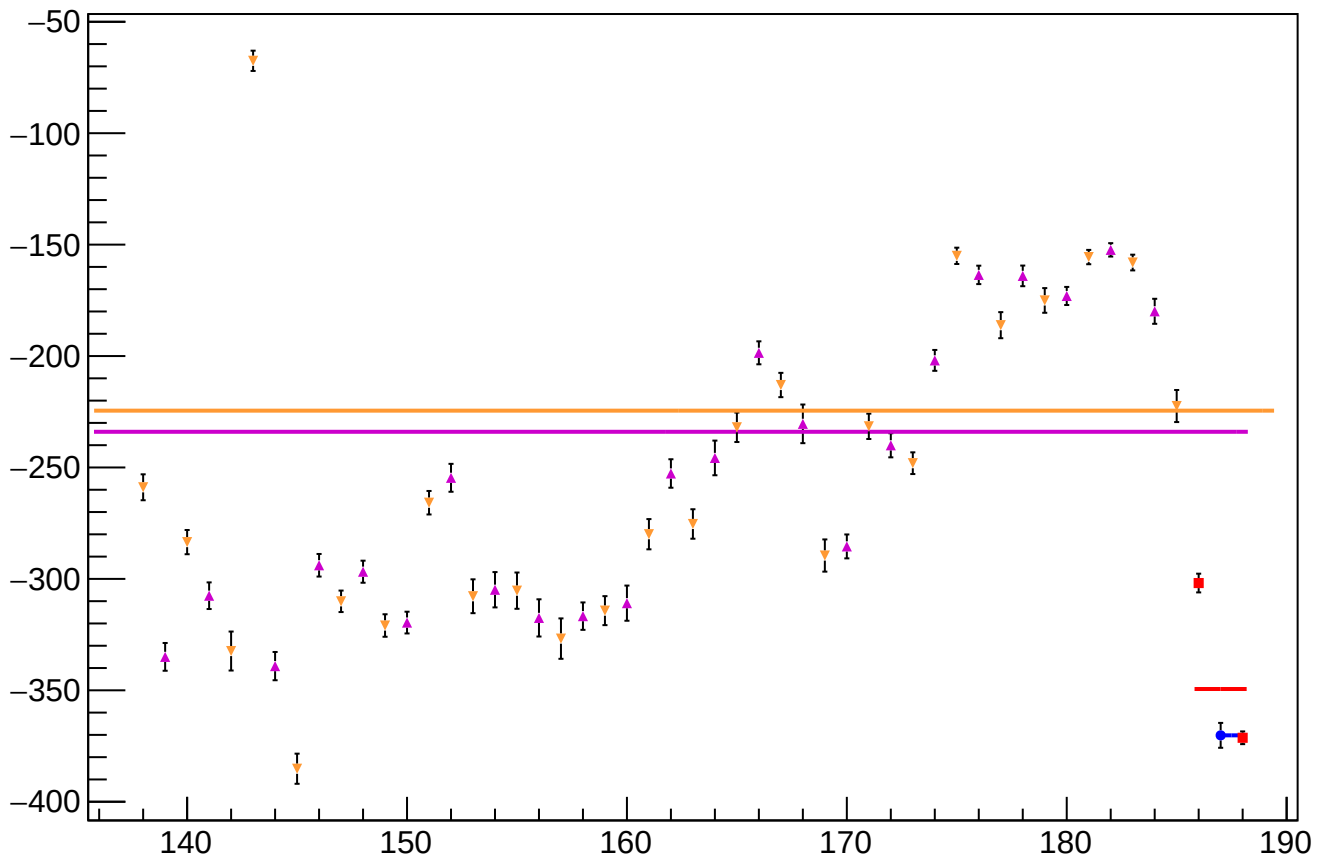
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 123.047 $\pm$ 0.036 χ^2 /NDF: 222576.6/42

All: 118.013 $\pm$ 0.025 χ^2 /NDF: 1253282.3/86

- sign 113.310 $\pm$ 0.035 χ^2 /NDF: 992921.9/43

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -370.205+/-5.584 χ^2/NDF : 0.0/0

Left Out: -224.501+/-1.079 χ^2/NDF : 4870.6/24

Right Out: -349.411+/-2.360 χ^2/NDF : 186.8/1

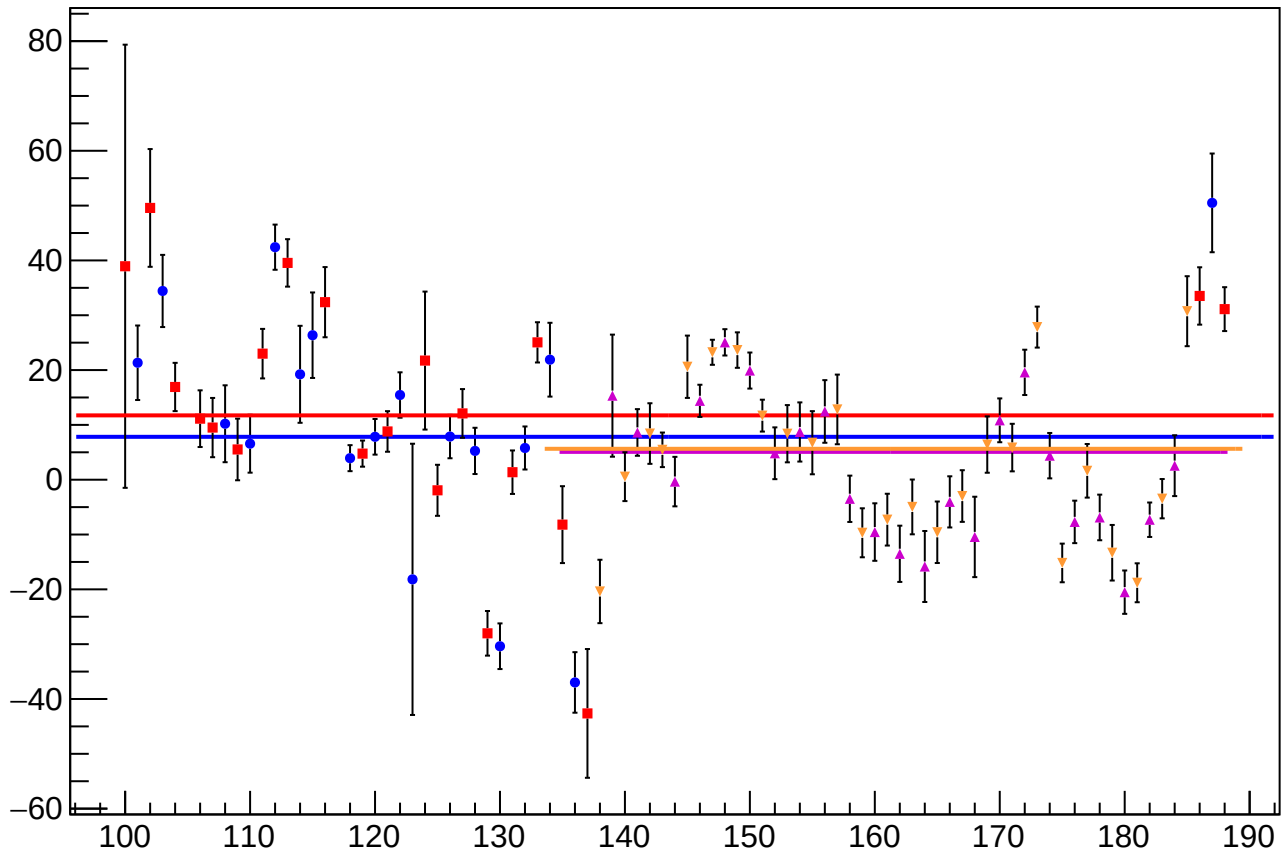
Left In: -233.988+/-1.109 χ^2/NDF : 3538.4/22

+ sign -229.747+/-1.059 χ^2/NDF : 5527.0/25

All: -242.979+/-0.729 χ^2/NDF : 11507.4/50

- sign -254.848+/-1.003 χ^2/NDF : 5684.5/24

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.824 ± 1.097 χ^2/NDF : 282.9/17

Left Out: 5.638 ± 0.828 χ^2/NDF : 313.6/24

Right Out: 11.734 ± 1.016 χ^2/NDF : 277.7/20

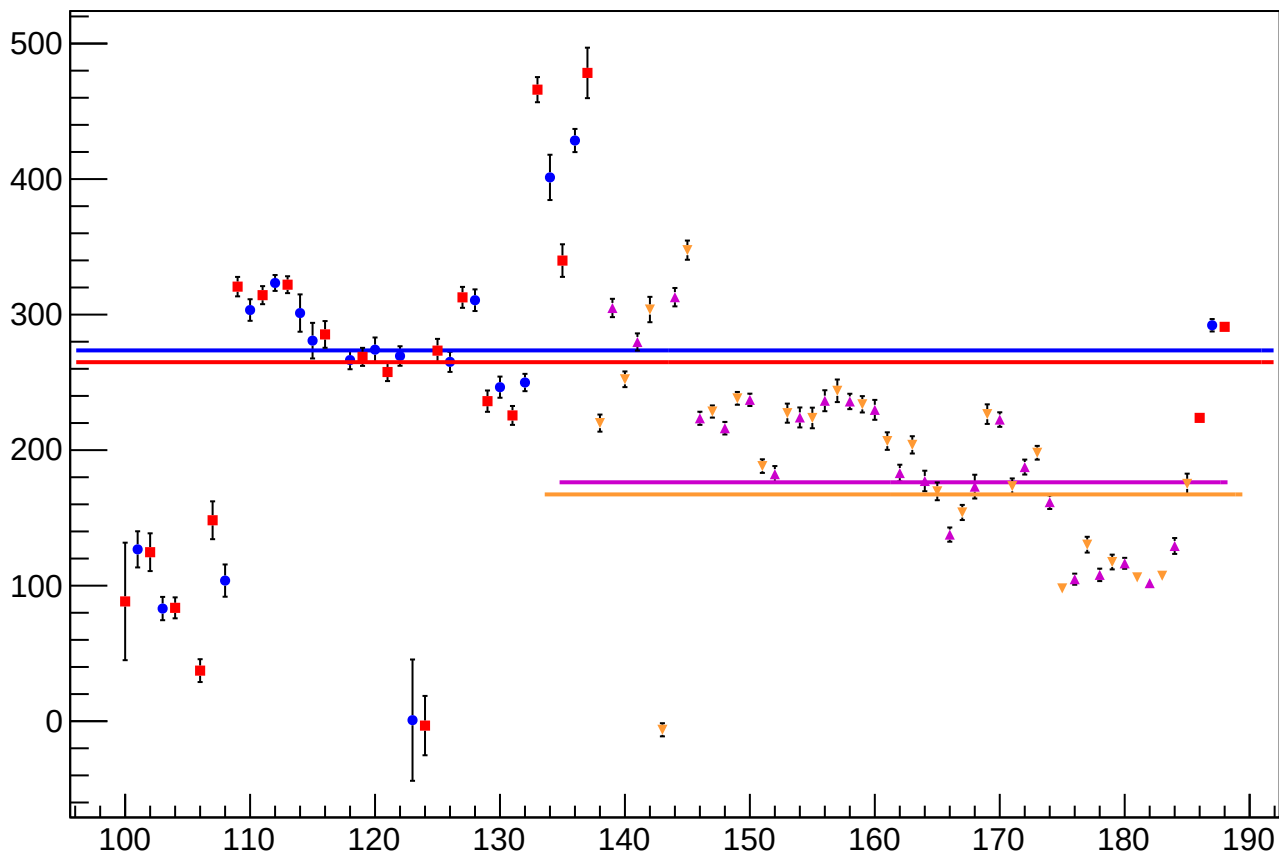
Left In: 5.077 ± 0.869 χ^2/NDF : 239.7/22

+ sign 6.432 ± 0.661 χ^2/NDF : 599.1/42

All: 7.160 ± 0.467 χ^2/NDF : 1143.7/86

- sign 7.888 ± 0.660 χ^2/NDF : 542.1/43

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 273.585 $\pm$ 1.905 χ^2 /NDF: 1395.6/17

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF:4454.5/24

Right Out: 264.901 $\pm$ 1.371 χ^2 /NDF: 2824.8/20

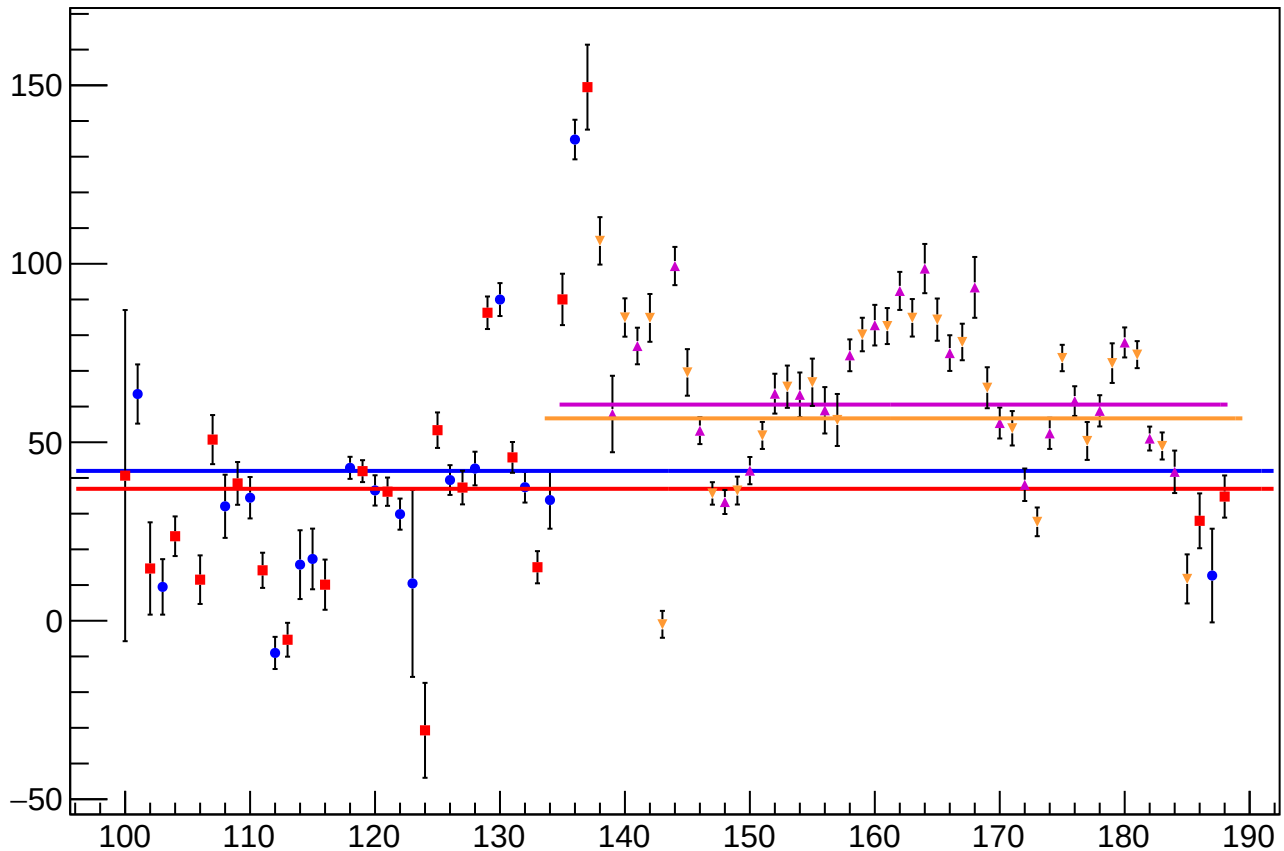
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 193.262 $\pm$ 0.941 χ^2 /NDF: 8201.9/42

All: 203.038 $\pm$ 0.635 χ^2 /NDF: 16927.1/86

- sign 211.212 $\pm$ 0.861 χ^2 /NDF: 8527.1/43

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 41.978 $\pm$ 1.271 χ^2/NDF : 578.1/17

Left Out: 56.695 $\pm$ 0.952 χ^2/NDF :690.4/24

Right Out: 36.961 $\pm$ -1.196 χ^2/NDF : 472.1/20

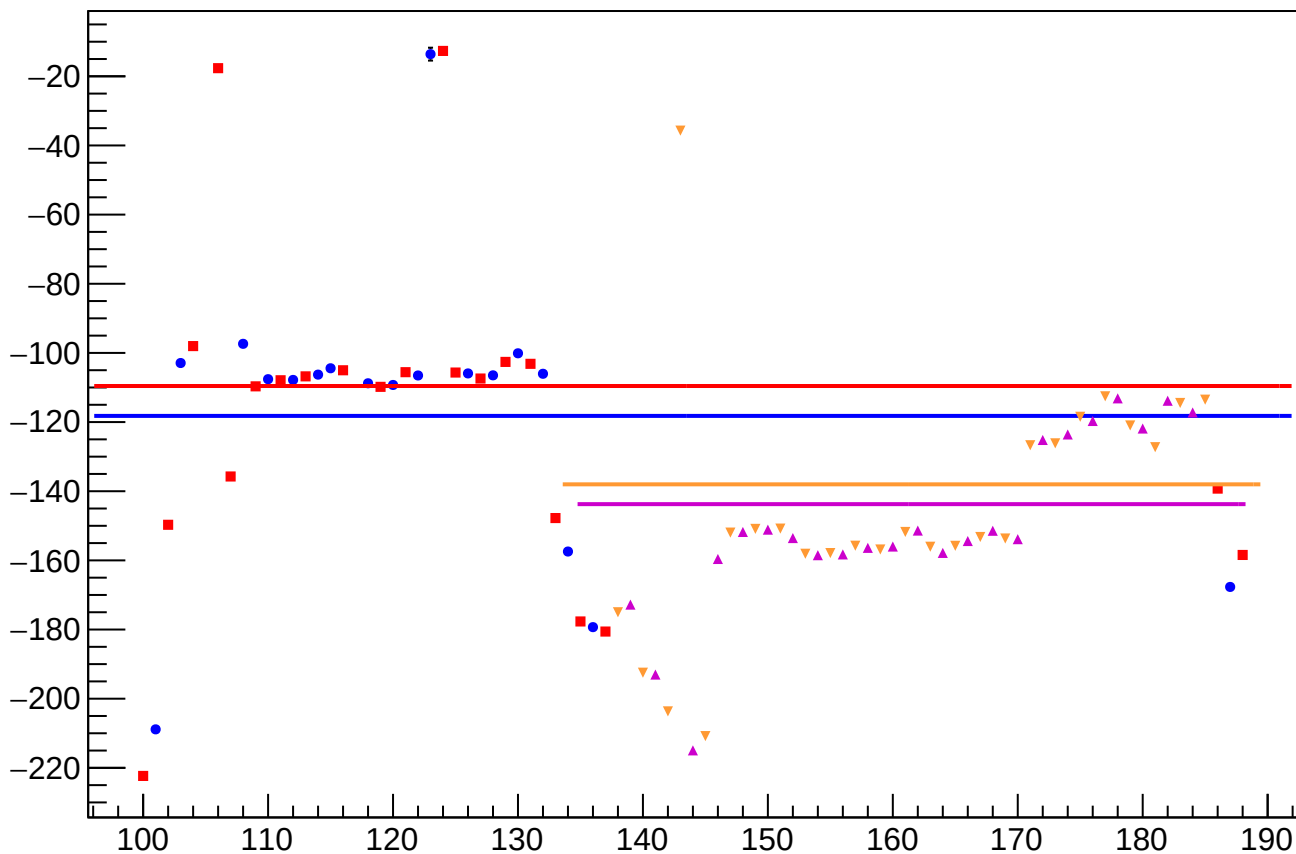
Left In: 60.555 $\pm$ -0.990 χ^2/NDF :335.6/22

+ sign 51.405 $\pm$ -0.762 χ^2/NDF : 1354.5/42

All: 51.183 $\pm$ -0.539 χ^2/NDF : 2393.3/86

- sign 50.959 $\pm$ -0.763 χ^2/NDF : 1038.7/43

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -118.215+/-0.078 χ^2/NDF : 146363.1/17

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -109.570+/-0.070 χ^2/NDF : 358524.7/20

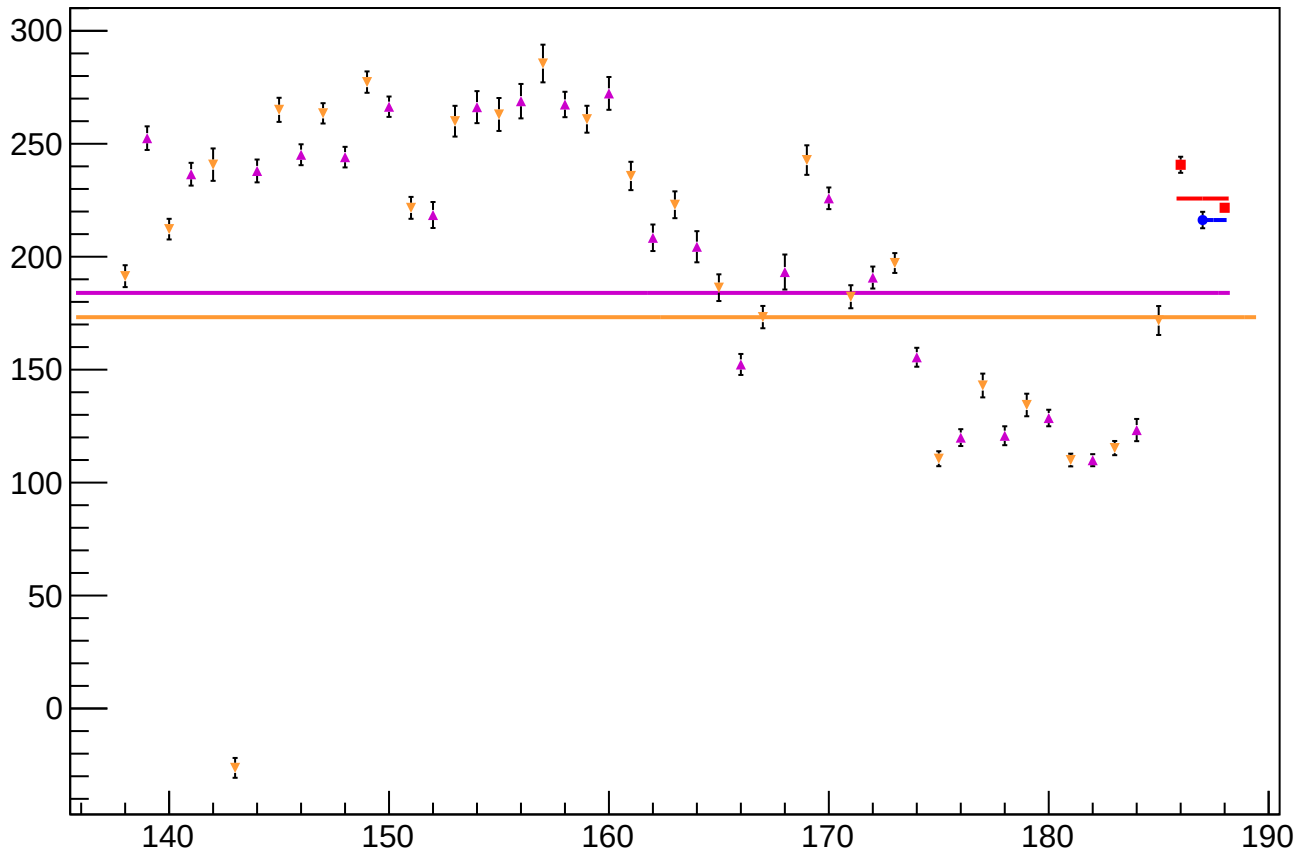
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -133.065+/-0.039 χ^2/NDF : 760177.6/42

All: -133.237+/-0.027 χ^2/NDF : 1543251.8/86

- sign -133.403+/-0.039 χ^2/NDF : 783036.2/43

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 216.242 $\pm$ 3.631 χ^2 /NDF: 0.0/0

Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF:5846.0/24

Right Out: 225.762 $\pm$ 1.651 χ^2 /NDF: 22.4/1

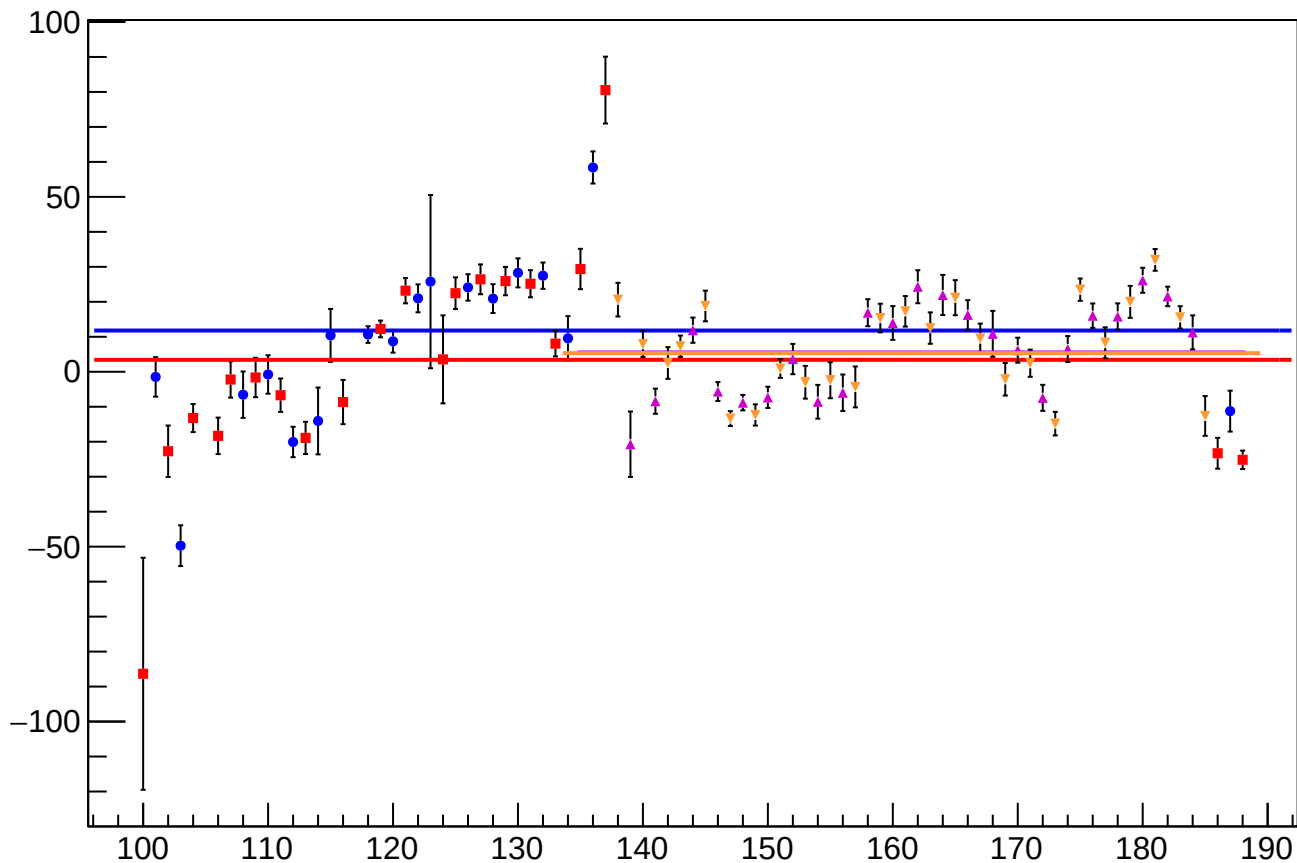
Left In: 183.984 $\pm$ 0.991 χ^2 /NDF:3613.7/22

+ sign 176.071 $\pm$ 0.933 χ^2 /NDF: 5977.0/25

All: 186.446 $\pm$ 0.628 χ^2 /NDF: 10310.0/50

- sign 195.048 $\pm$ 0.850 χ^2 /NDF: 4106.8/24

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 11.790 ± 1.058 χ^2/NDF : 364.9/17

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: 3.416 ± 0.952 χ^2/NDF : 481.7/20

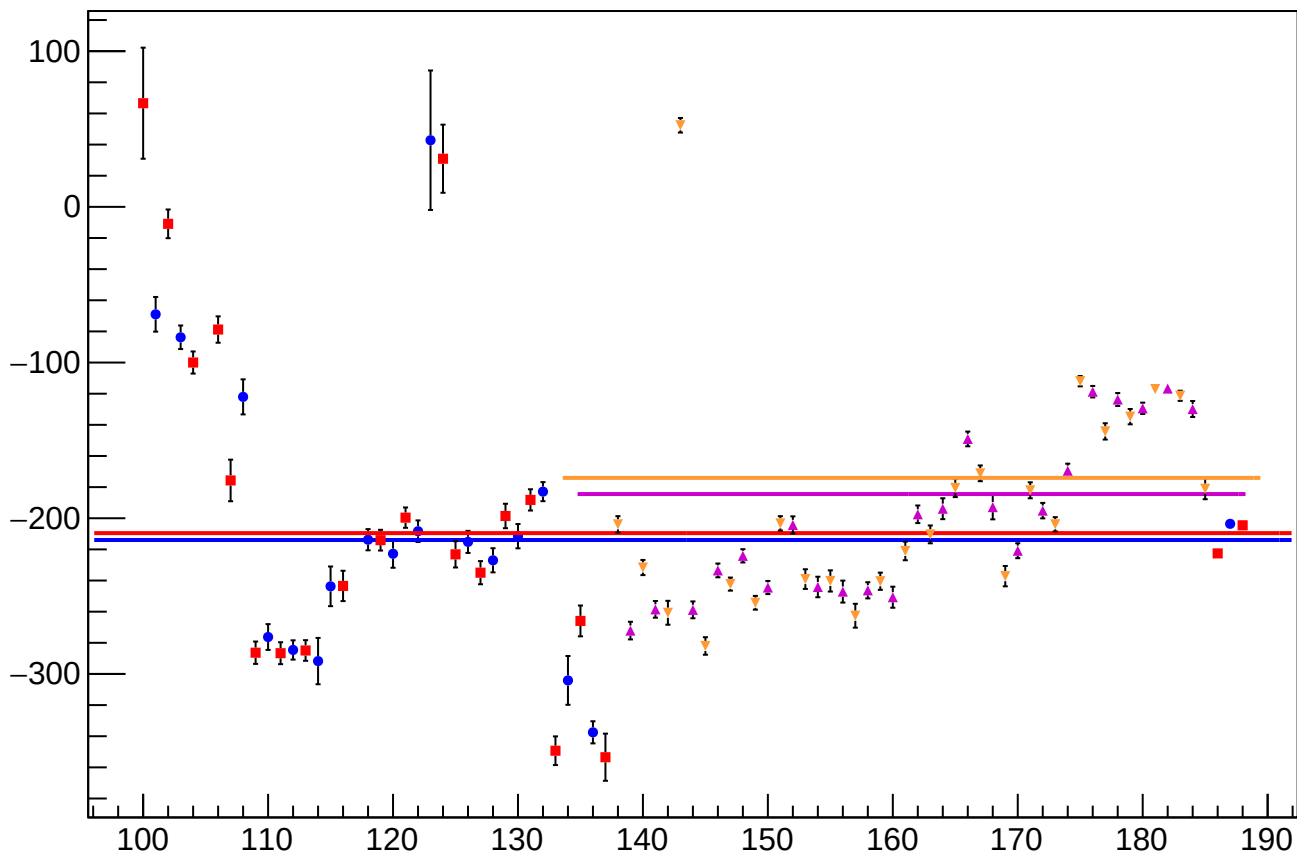
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 7.473 ± 0.610 χ^2/NDF : 735.3/42

All: 6.060 ± 0.429 χ^2/NDF : 1486.9/86

- sign 4.678 ± 0.604 χ^2/NDF : 741.0/43

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -213.969 ± 1.677 χ^2/NDF : 1162.0/17

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -209.541 ± 1.092 χ^2/NDF : 1918.4/20

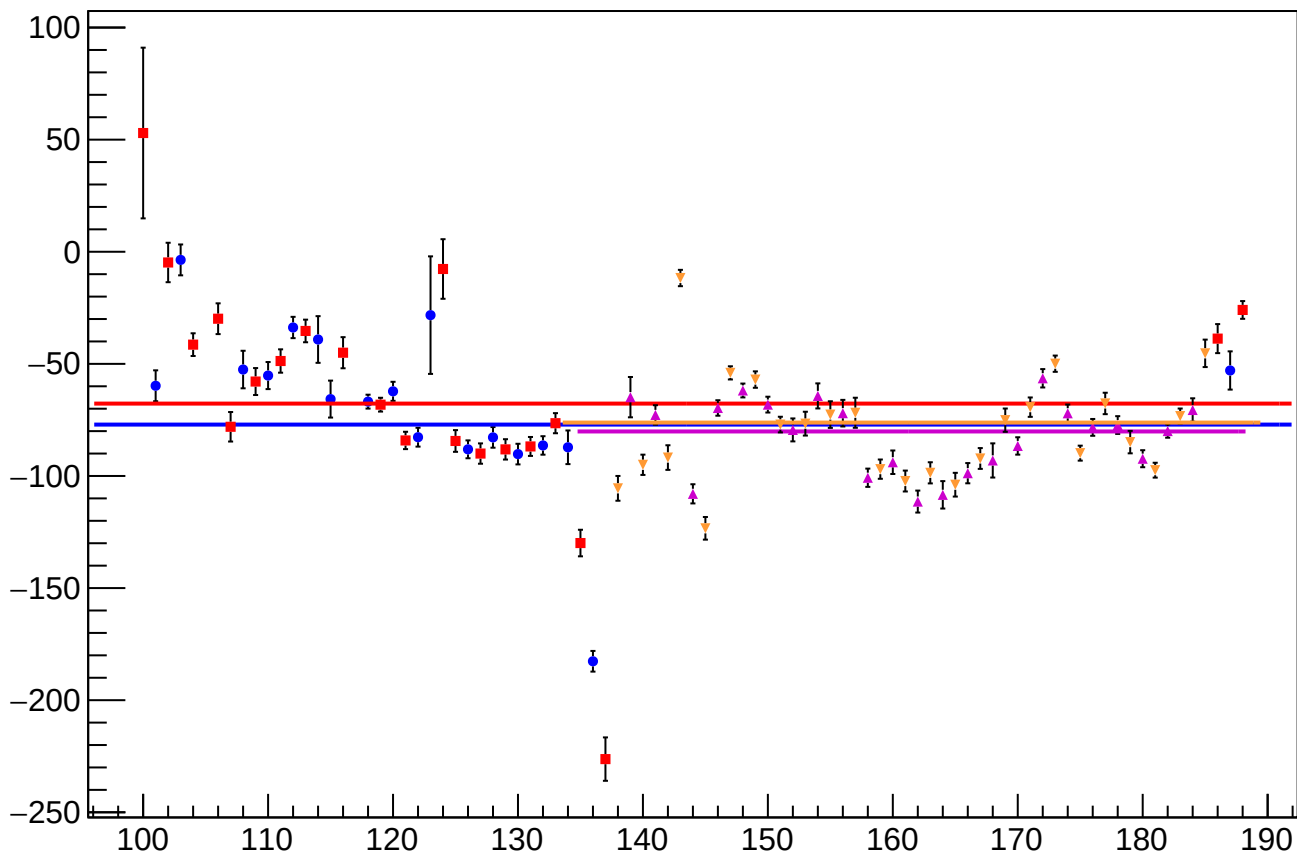
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -184.082 ± 0.840 χ^2/NDF : 7029.6/42

All: -190.715 ± 0.553 χ^2/NDF : 12398.8/86

- sign -195.776 ± 0.734 χ^2/NDF : 5259.3/43

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.082 ± 1.226 χ^2/NDF : 824.6/17

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -67.720 ± 1.138 χ^2/NDF : 818.3/20

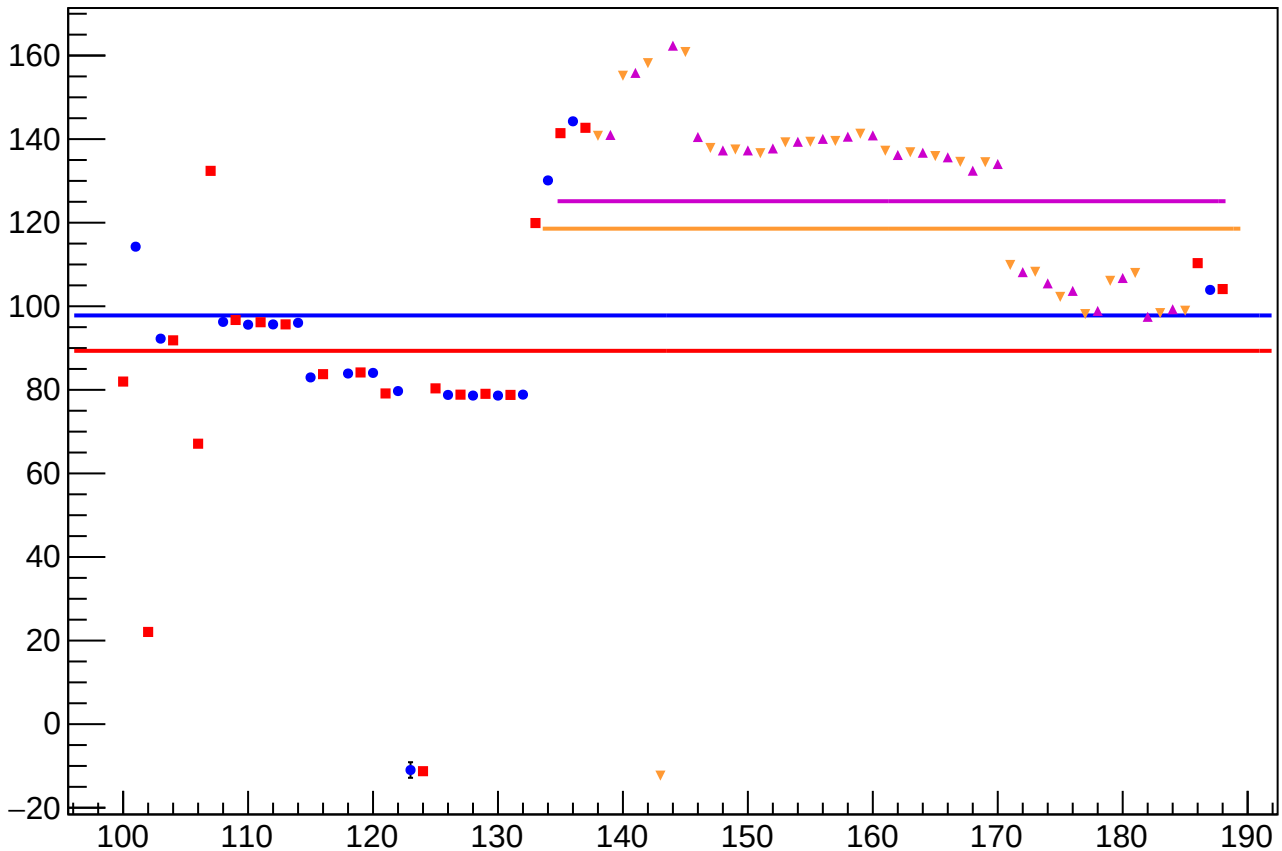
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -76.478 ± 0.703 χ^2/NDF : 1626.0/42

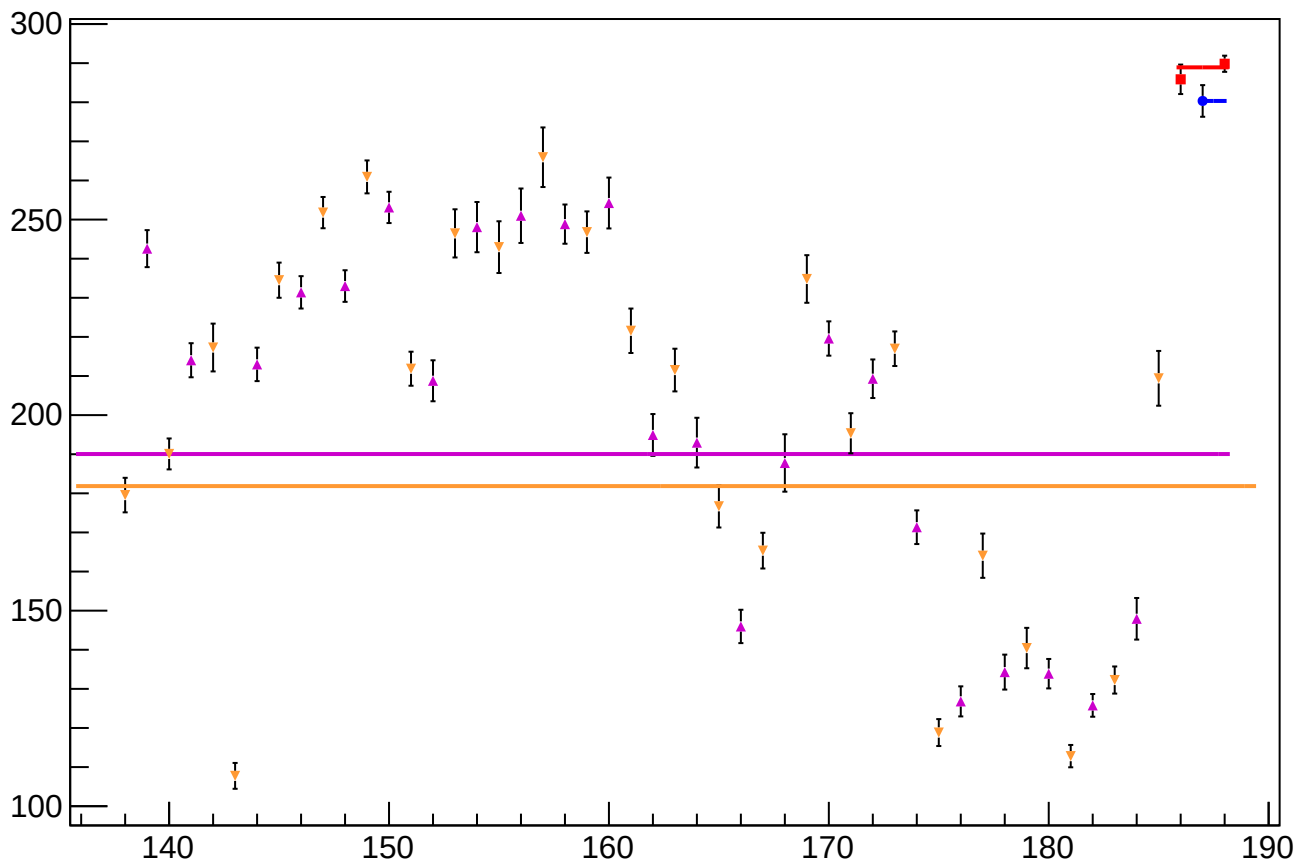
All: -75.956 ± 0.496 χ^2/NDF : 2802.7/86

- sign -75.437 ± 0.701 χ^2/NDF : 1175.6/43

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 280.334 $\pm$ 4.047 χ^2 /NDF: 0.0/0

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF:3303.4/24

Right Out: 288.923 $\pm$ 1.813 χ^2 /NDF: 0.9/1

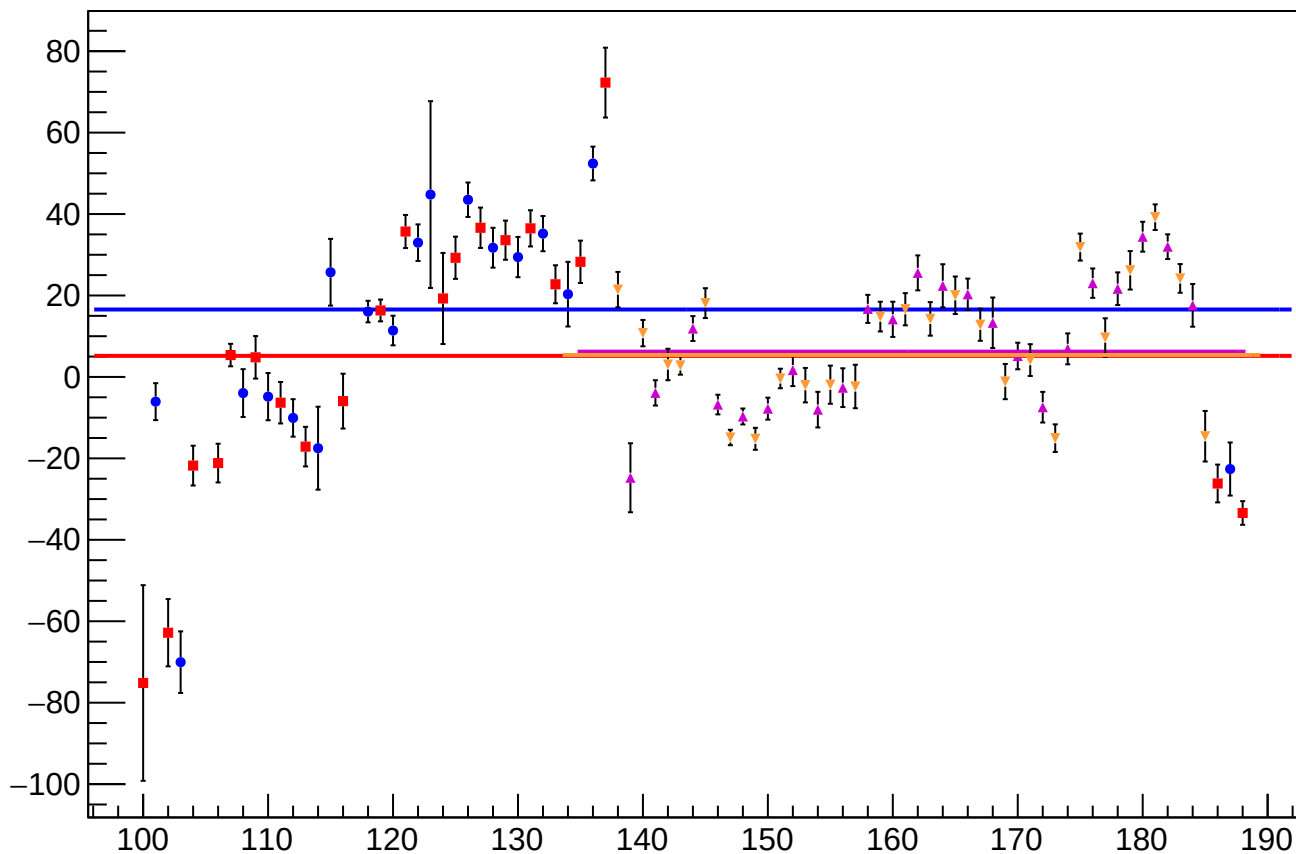
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 186.624 $\pm$ 0.891 χ^2 /NDF: 3866.9/25

All: 199.718 $\pm$ 0.613 χ^2 /NDF: 9046.7/50

- sign 211.452 $\pm$ 0.843 χ^2 /NDF: 4770.2/24

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 16.559 $\pm$ 1.150 χ^2 /NDF: 431.3/17

Left Out: 5.394 $\pm$ 0.688 χ^2 /NDF: 526.5/24

Right Out: 5.174 $\pm$ 0.993 χ^2 /NDF: 707.9/20

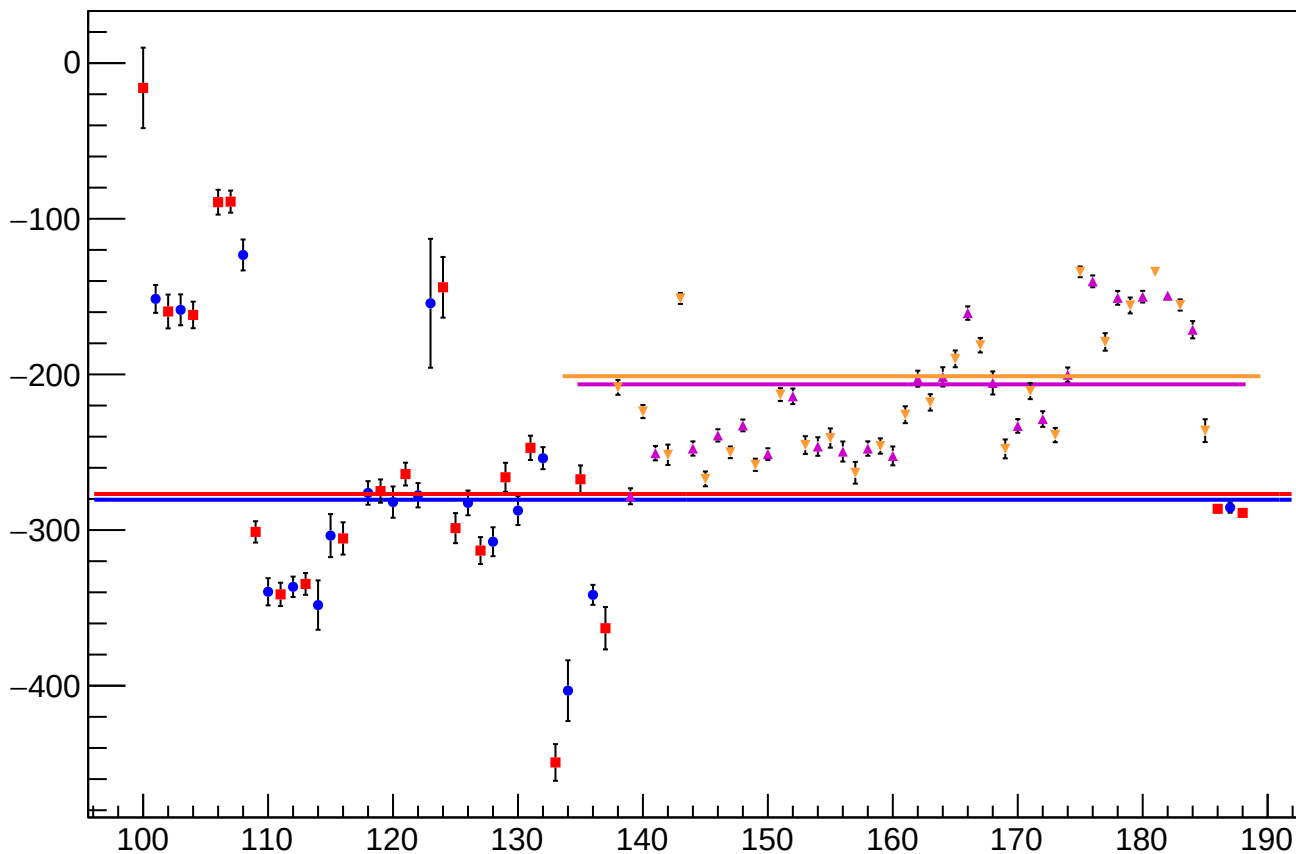
Left In: 6.206 $\pm$ 0.732 χ^2 /NDF: 407.5/22

+ sign 8.337 $\pm$ 0.590 χ^2 /NDF: 1027.3/42

All: 7.087 $\pm$ 0.417 χ^2 /NDF: 2152.3/86

- sign 5.843 $\pm$ 0.589 χ^2 /NDF: 1116.1/43

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -280.517 ± 1.829 χ^2/NDF : 913.4/17

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -276.834 ± 1.181 χ^2/NDF : 2221.6/20

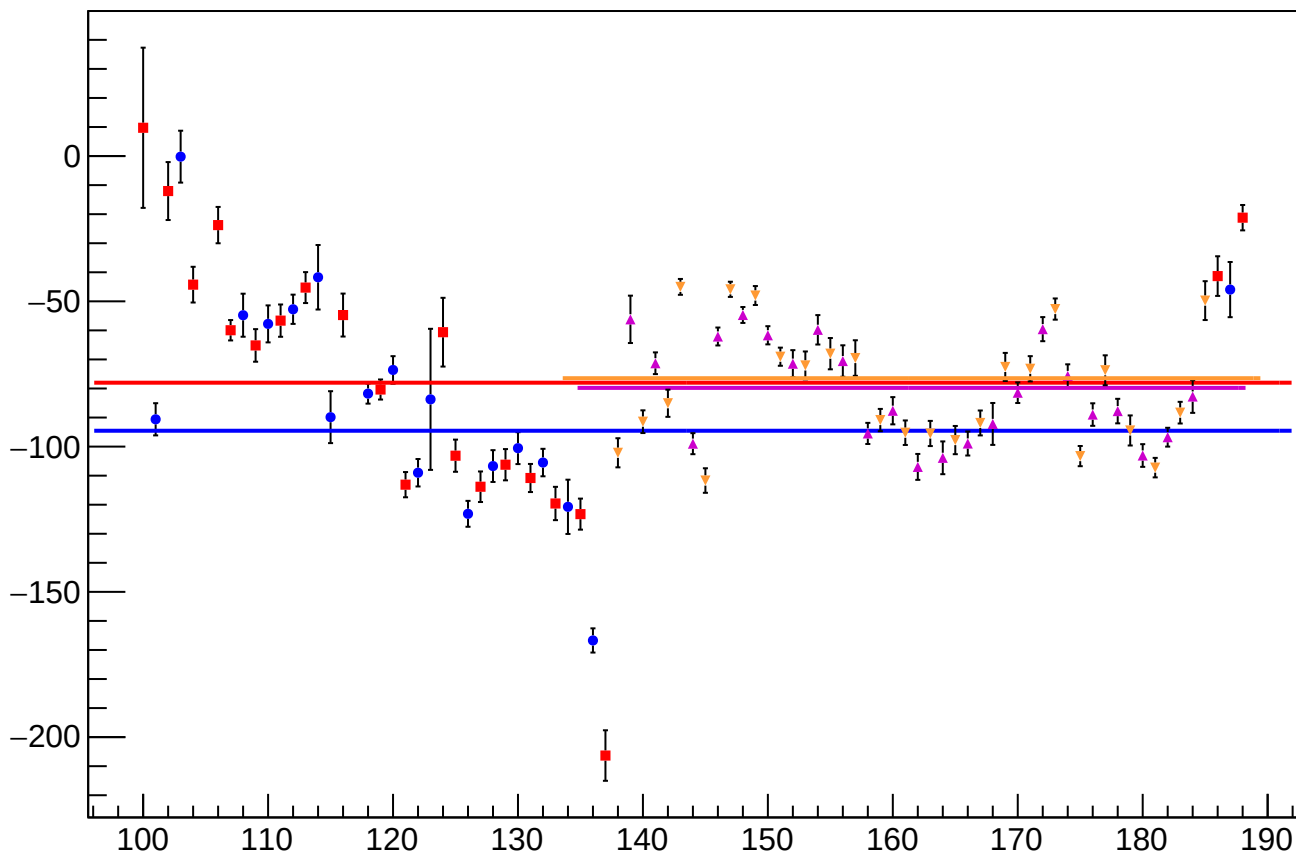
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -217.117 ± 0.820 χ^2/NDF : 4907.2/42

All: -226.456 ± 0.549 χ^2/NDF : 11637.9/86

- sign -234.055 ± 0.740 χ^2/NDF : 6495.7/43

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -94.543 ± 1.330 $\chi^2/\text{NDF}: 695.9/17$

Left Out: -76.460 ± 0.797 $\chi^2/\text{NDF}: 781.3/24$

Right Out: -78.005 ± 1.191 $\chi^2/\text{NDF}: 1002.0/20$

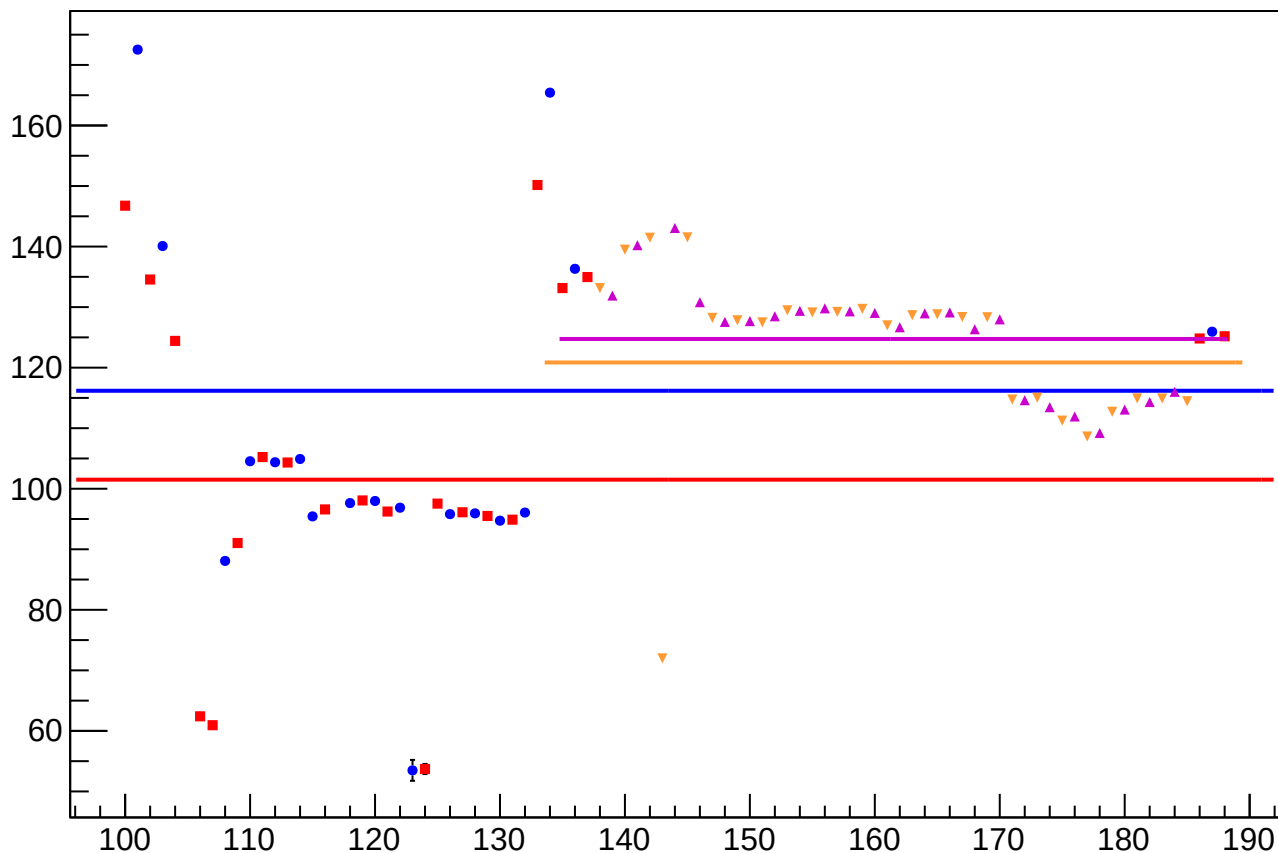
Left In: -79.792 ± 0.840 $\chi^2/\text{NDF}: 412.3/22$

+ sign -81.233 ± 0.683 $\chi^2/\text{NDF}: 1613.2/42$

All: -80.220 ± 0.484 $\chi^2/\text{NDF}: 3033.4/86$

- sign -79.199 ± 0.686 $\chi^2/\text{NDF}: 1415.7/43$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 116.182 $\pm$ 0.078 χ^2 /NDF: 105993.2/17

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF: 182759.1/24

Right Out: 101.500 $\pm$ 0.065 χ^2 /NDF: 186959.4/20

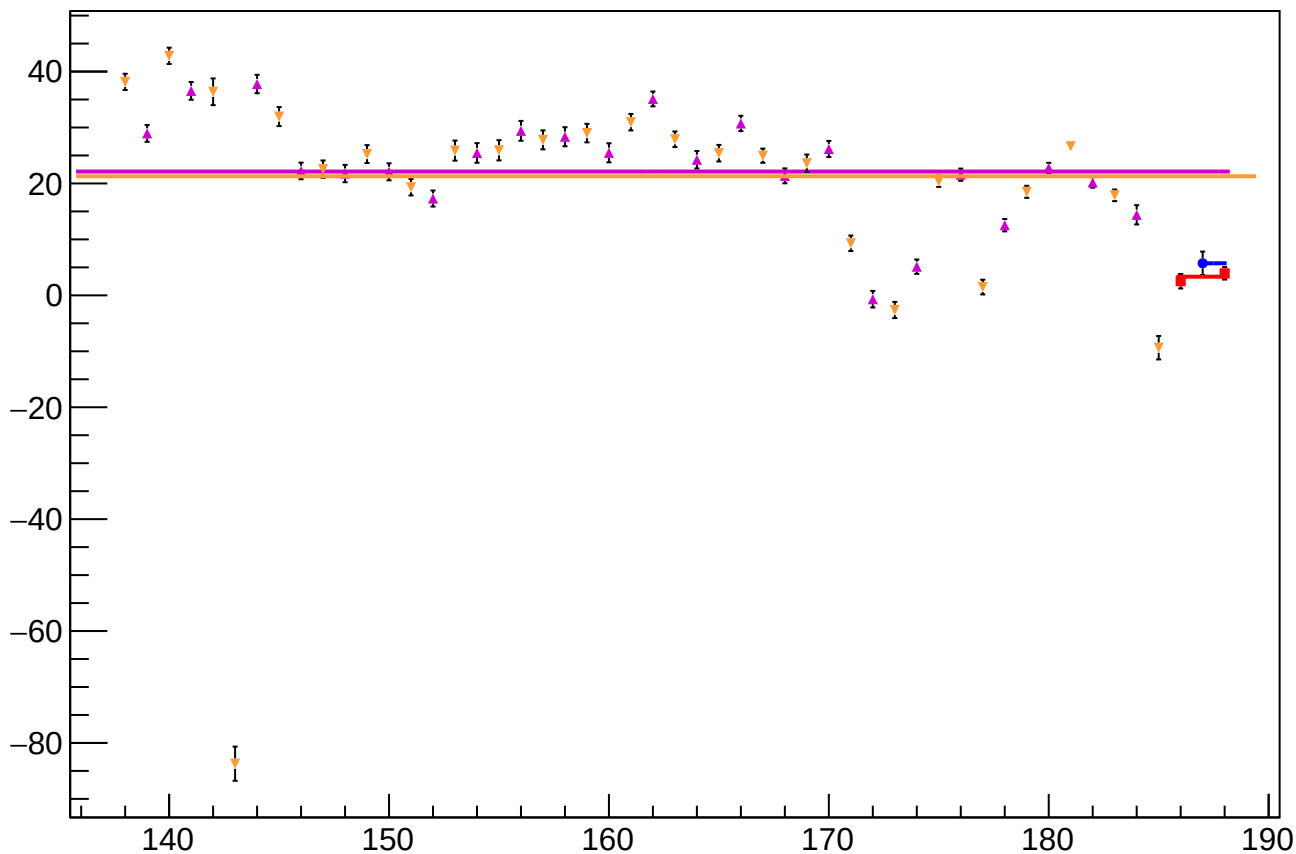
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 119.951 $\pm$ 0.034 χ^2 /NDF: 291669.3/42

All: 119.245 $\pm$ 0.024 χ^2 /NDF: 623957.6/86

- sign 118.560 $\pm$ 0.034 χ^2 /NDF: 331446.7/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 5.730 $\pm$ 2.097 χ^2 /NDF: 0.0/0

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF:2600.5/24

Right Out: 3.337 $\pm$ 0.844 χ^2 /NDF: 0.7/1

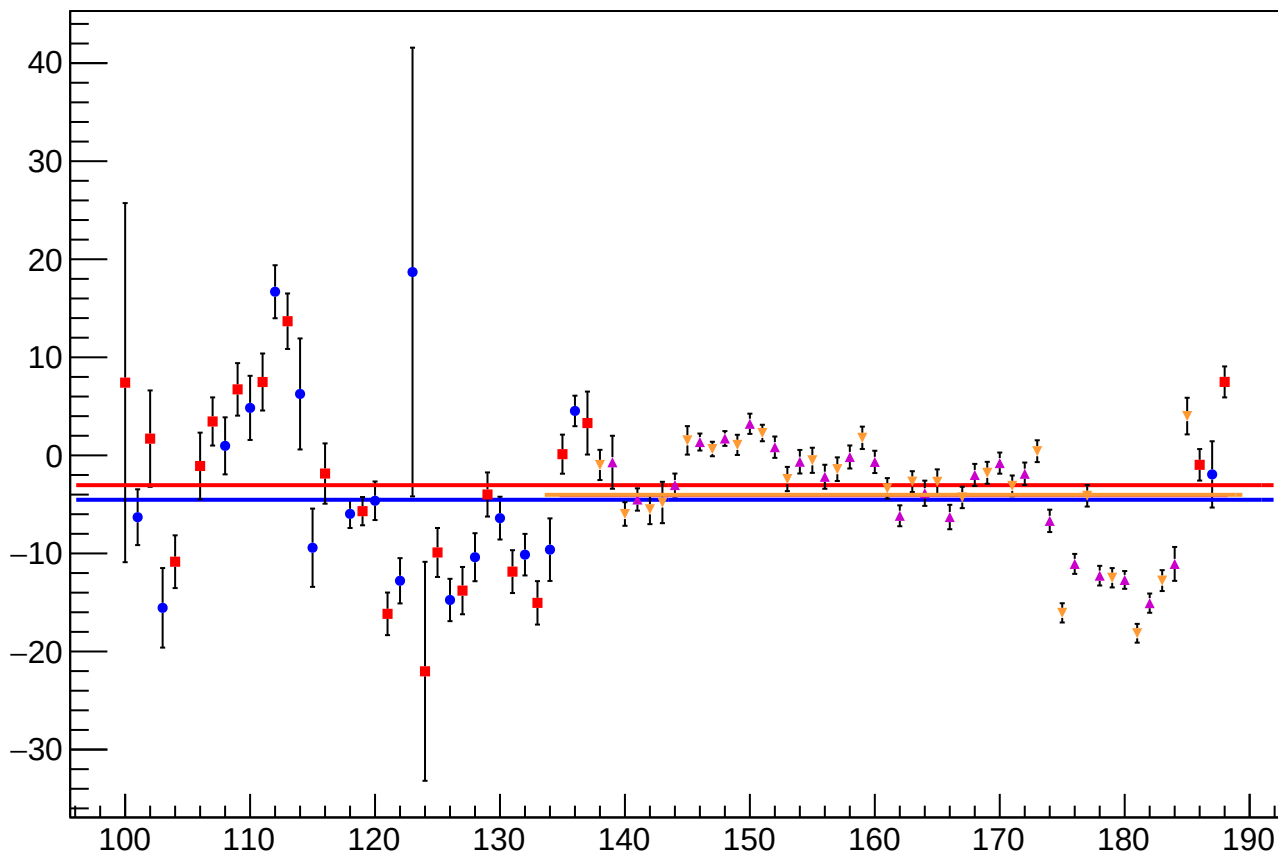
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF:900.2/22

+ sign 21.005 $\pm$ 0.280 χ^2 /NDF: 2654.5/25

All: 20.588 $\pm$ 0.194 χ^2 /NDF: 4004.2/50

- sign 20.199 $\pm$ 0.270 χ^2 /NDF: 1345.3/24

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.528 ± 0.580 χ^2/NDF : 174.0/17

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -3.038 ± 0.520 χ^2/NDF : 247.0/20

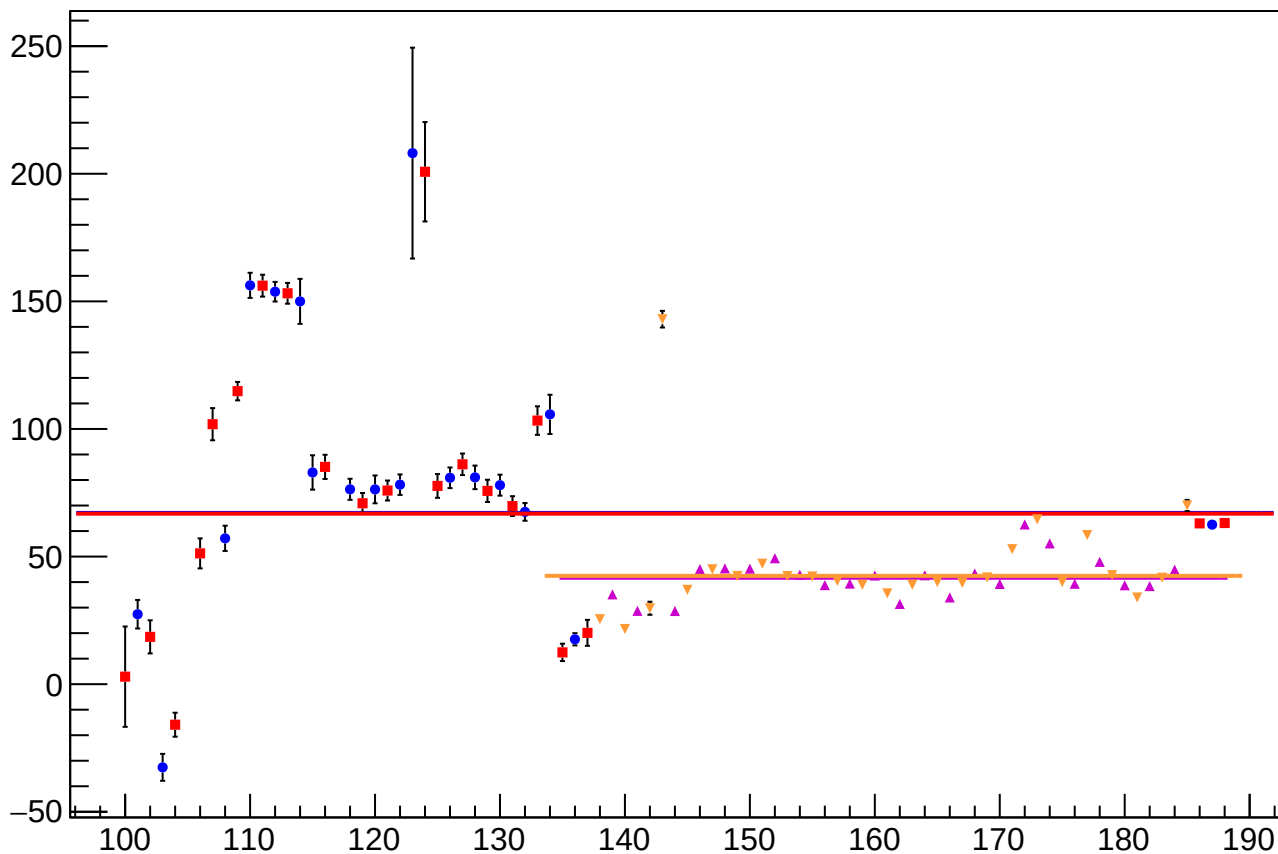
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -4.087 ± 0.208 χ^2/NDF : 908.8/42

All: -3.991 ± 0.147 χ^2/NDF : 1736.6/86

- sign -3.894 ± 0.209 χ^2/NDF : 827.4/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 67.101 $\pm$ 0.919 χ^2 /NDF: 1853.9/17

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 66.815 $\pm$ 0.574 χ^2 /NDF: 1986.6/20

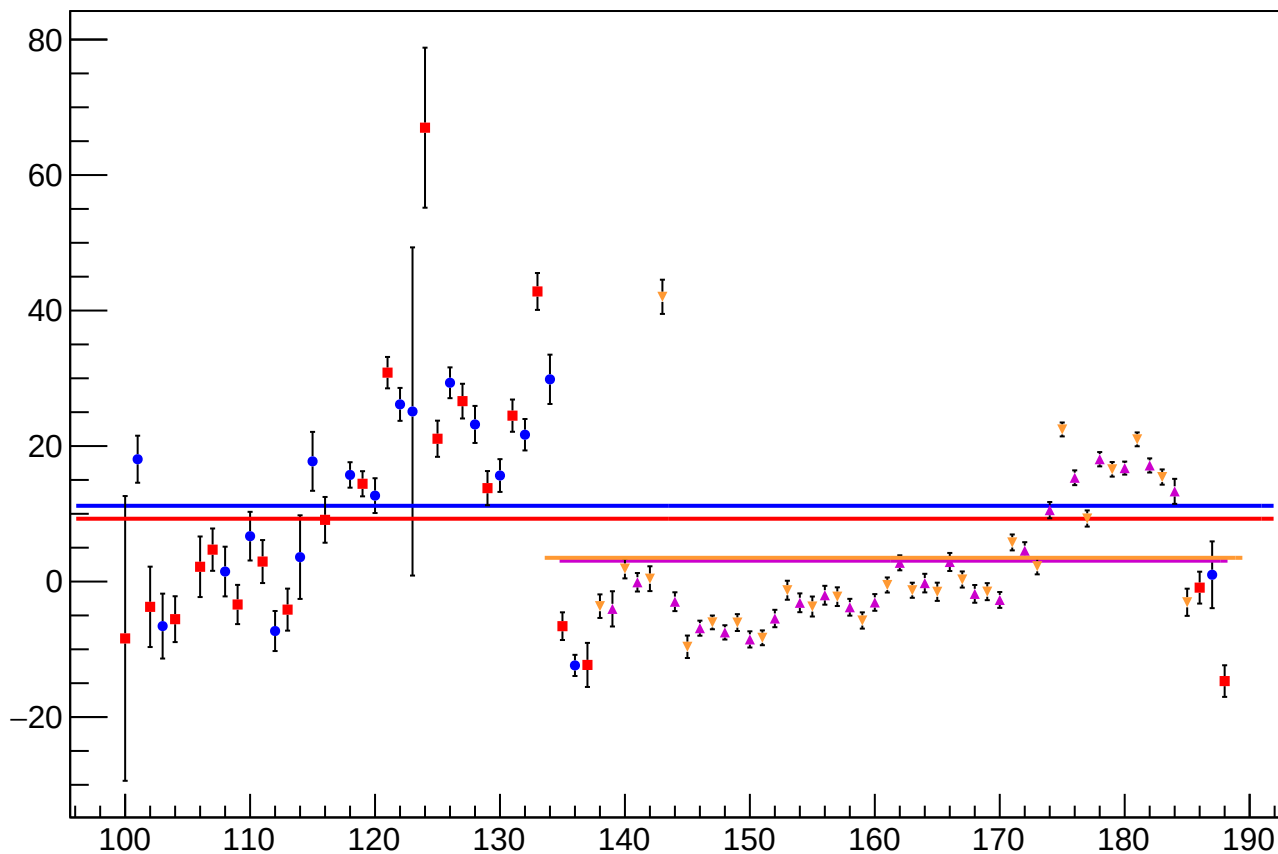
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 44.574 $\pm$ 0.270 χ^2 /NDF: 4527.9/42

All: 45.665 $\pm$ 0.185 χ^2 /NDF: 8713.9/86

- sign 46.638 $\pm$ 0.255 χ^2 /NDF: 4155.0/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.183 $\pm$ 0.661 χ^2/NDF : 478.7/17

Left Out: 3.505 $\pm$ 0.252 χ^2/NDF : 1691.3/24

Right Out: 9.275 $\pm$ 0.617 χ^2/NDF : 679.0/20

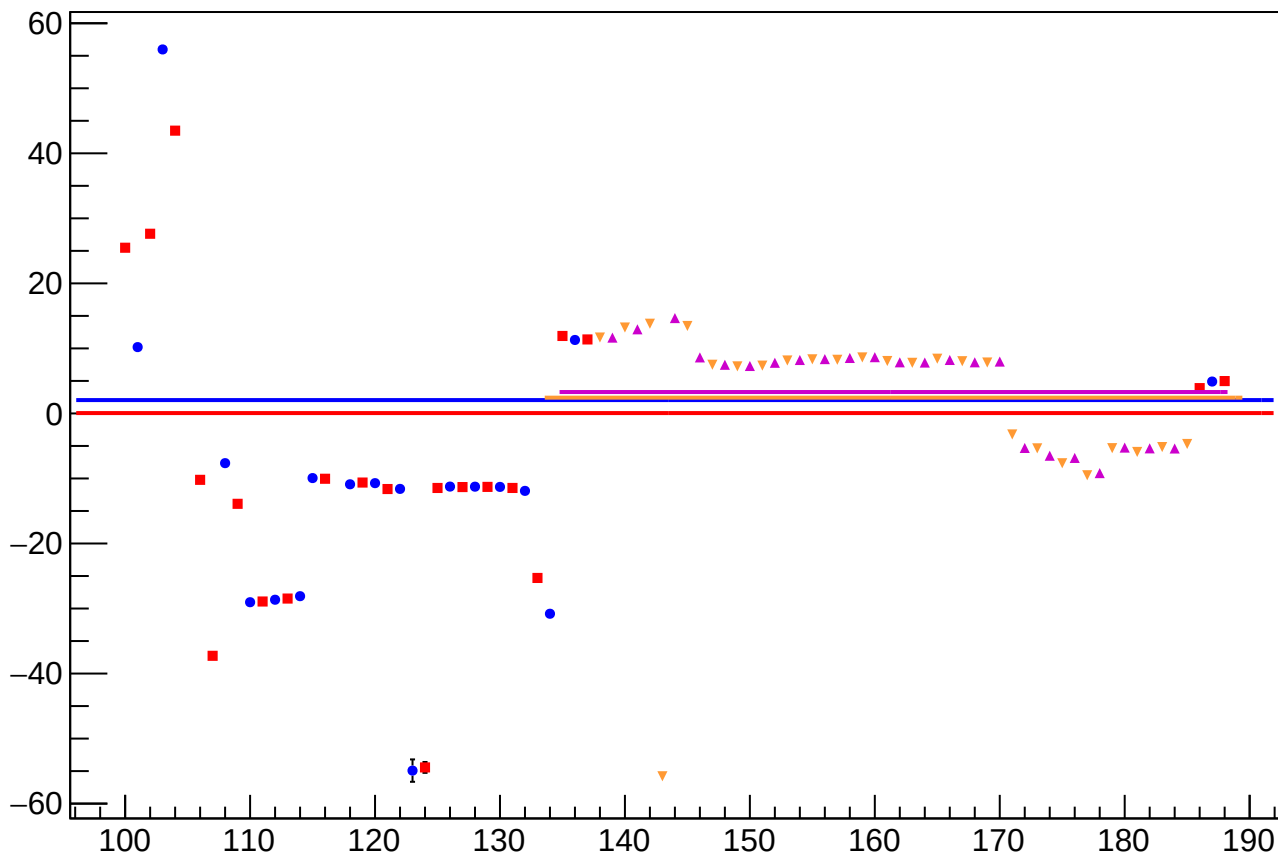
Left In: 3.081 $\pm$ 0.257 χ^2/NDF : 1265.7/22

+ sign 4.482 $\pm$ 0.236 χ^2/NDF : 2287.8/42

All: 4.241 $\pm$ 0.167 χ^2/NDF : 4320.4/86

- sign 3.996 $\pm$ 0.237 χ^2/NDF : 2030.5/43

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.053 ± 0.037 χ^2/NDF : 357979.8/17

Left Out: 2.425 ± 0.012 χ^2/NDF : 616382.5/24

Right Out: 0.055 ± 0.035 χ^2/NDF : 363807.1/20

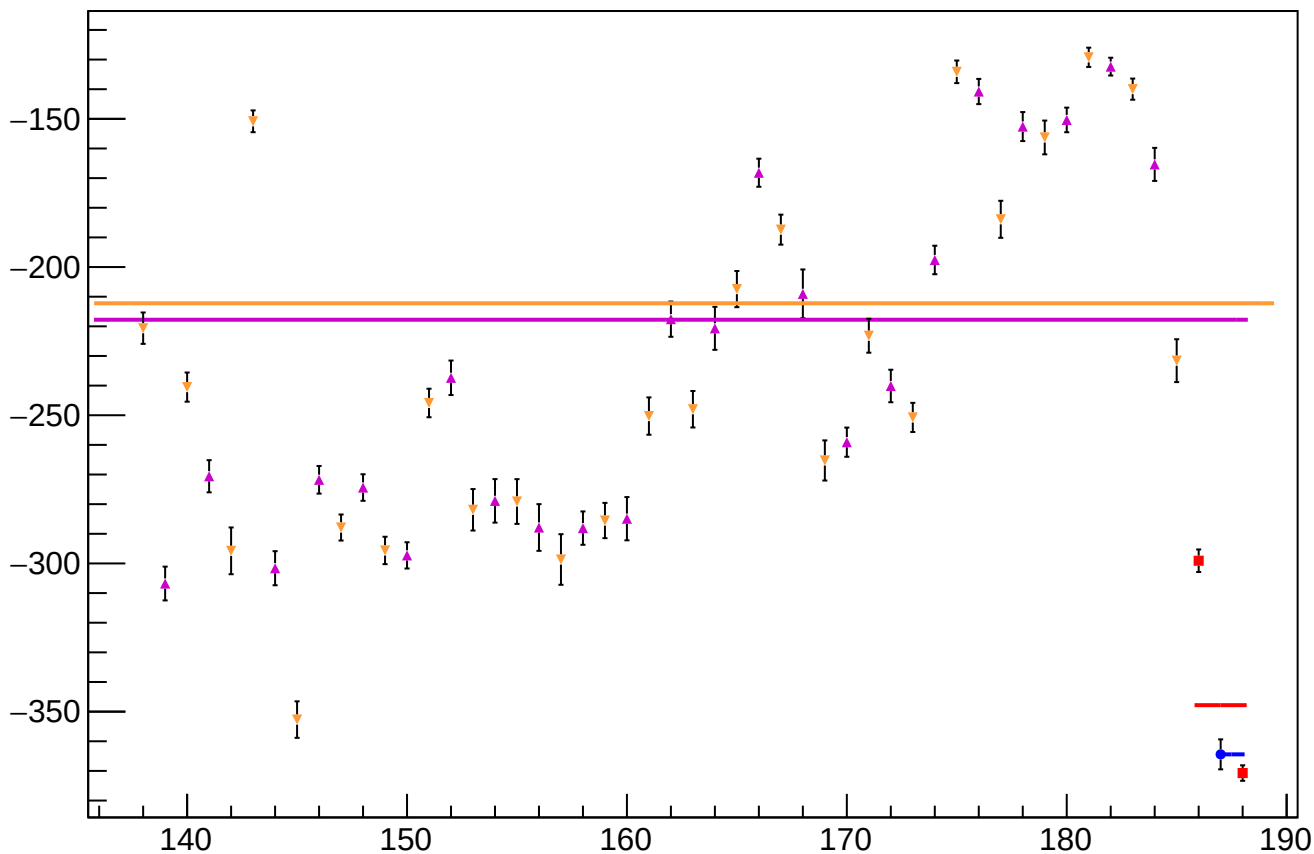
Left In: 3.293 ± 0.012 χ^2/NDF : 404323.8/22

+ sign 2.392 ± 0.011 χ^2/NDF : 974454.8/42

All: 2.676 ± 0.008 χ^2/NDF : 1751814.9/86

- sign 2.961 ± 0.011 χ^2/NDF : 776031.4/43

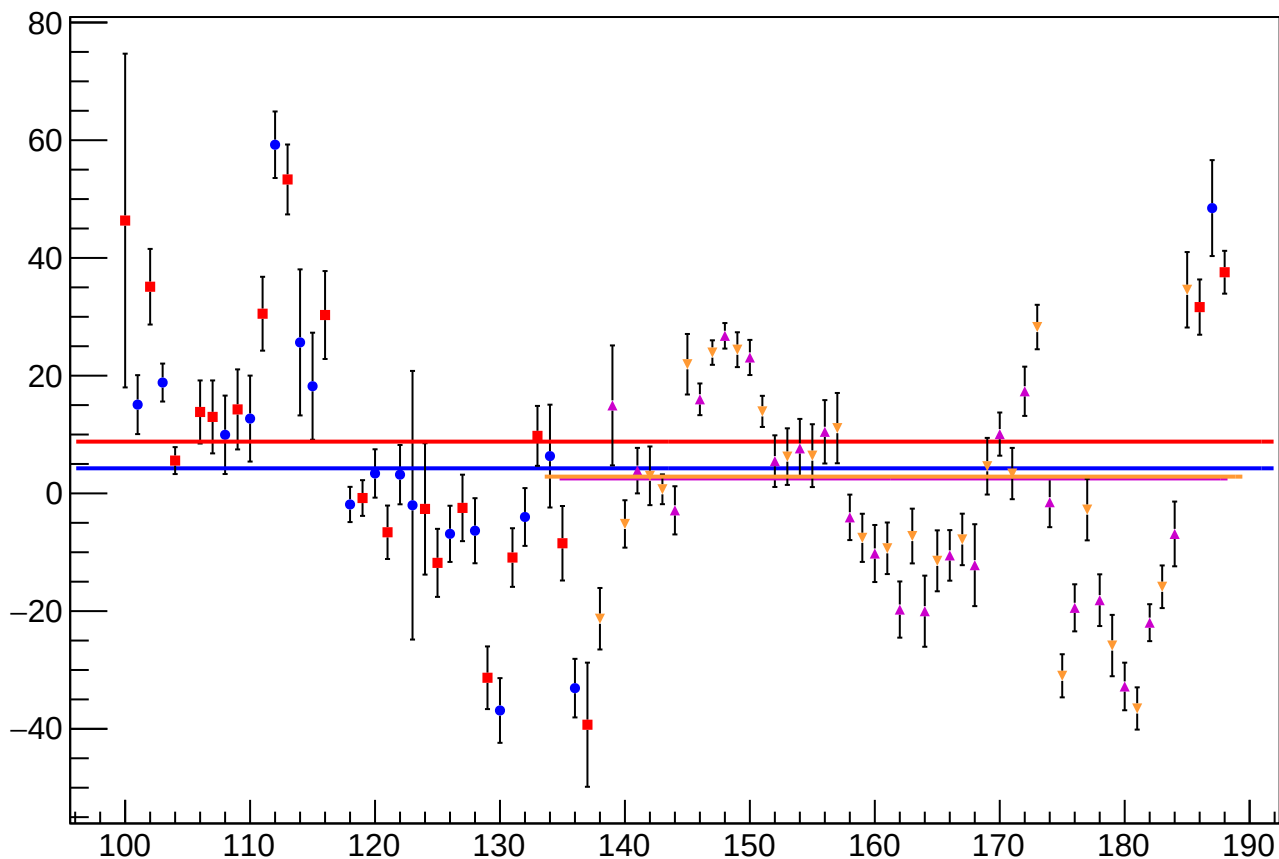
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -364.416 ± 5.062 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -212.231 ± 1.029 $\chi^2/\text{NDF}: 3875.4/24$
 Right Out: -347.817 ± 2.154 $\chi^2/\text{NDF}: 240.5/1$
 Left In: -217.779 ± 1.067 $\chi^2/\text{NDF}: 3448.9/22$

+ sign -218.276 ± 1.009 $\chi^2/\text{NDF}: 4743.4/25$
 All: -231.503 ± 0.694 $\chi^2/\text{NDF}: 11684.8/50$
 - sign -243.383 ± 0.956 $\chi^2/\text{NDF}: 6615.1/24$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 4.260 $\pm$ 1.232 χ^2 /NDF: 285.2/17

Left Out: 2.848 $\pm$ 0.775 χ^2 /NDF:582.1/24

Right Out: 8.795 $\pm$ 1.075 χ^2 /NDF: 325.2/20

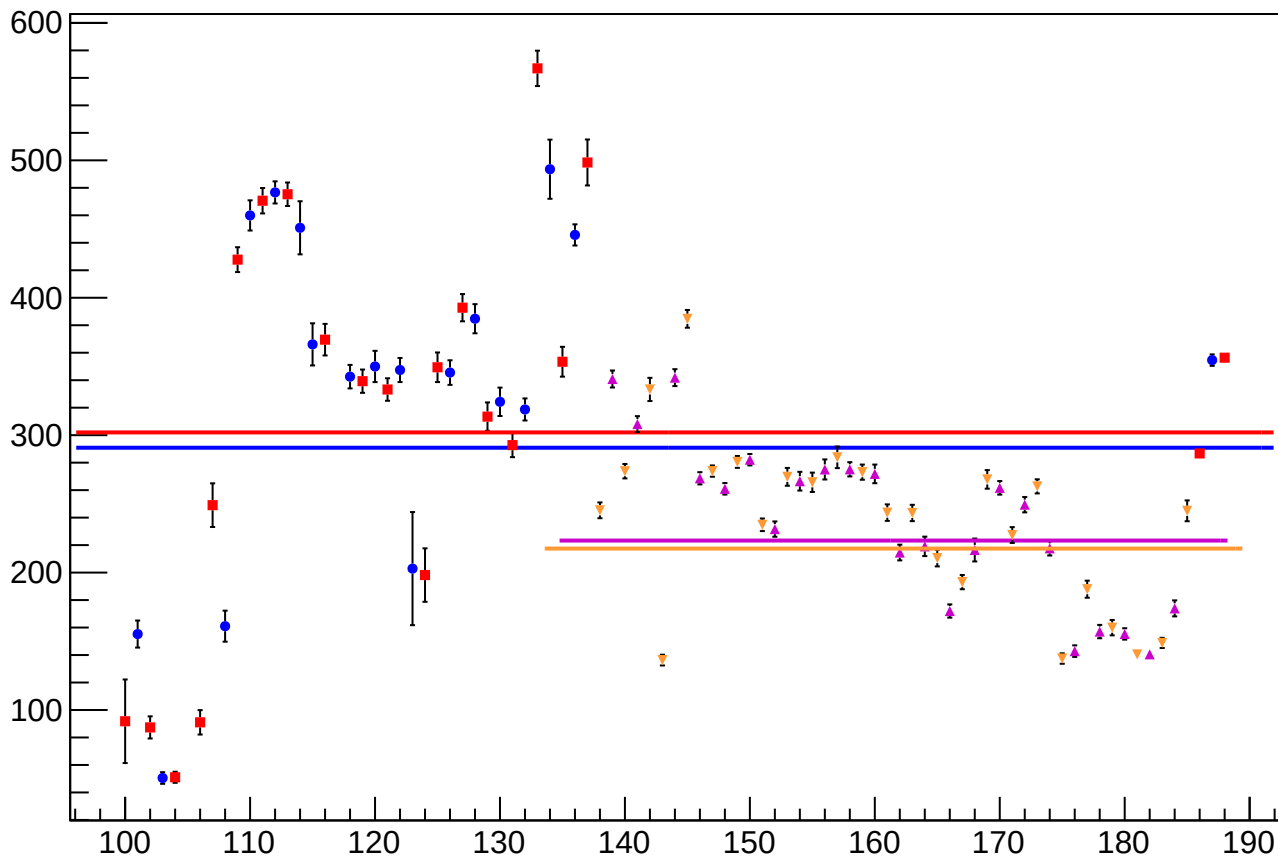
Left In: 2.540 $\pm$ 0.822 χ^2 /NDF:473.6/22

+ sign 3.248 $\pm$ 0.656 χ^2 /NDF: 868.3/42

All: 4.053 $\pm$ 0.463 χ^2 /NDF: 1691.5/86

- sign 4.851 $\pm$ 0.653 χ^2 /NDF: 820.2/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 290.863 $\pm$ 1.950 χ^2 /NDF: 5392.9/17

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 302.004 $\pm$ 1.330 χ^2 /NDF: 7623.0/20

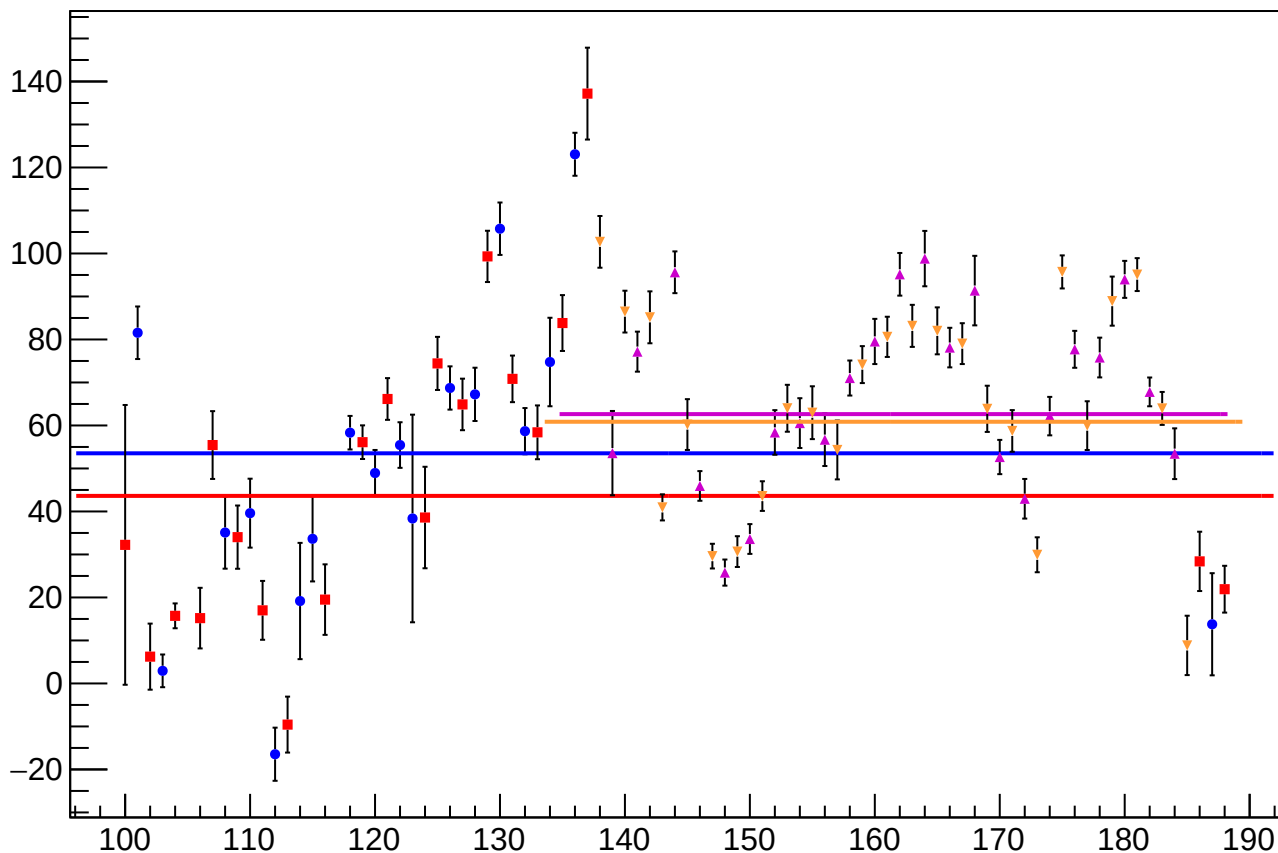
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 233.543 $\pm$ 0.912 χ^2 /NDF: 10268.1/42

All: 244.713 $\pm$ 0.614 χ^2 /NDF: 23681.3/86

- sign 253.951 $\pm$ 0.830 χ^2 /NDF: 13139.5/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 53.525 $\pm$ 1.430 χ^2 /NDF: 644.6/17

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 43.621 $\pm$ 1.295 χ^2 /NDF: 551.0/20

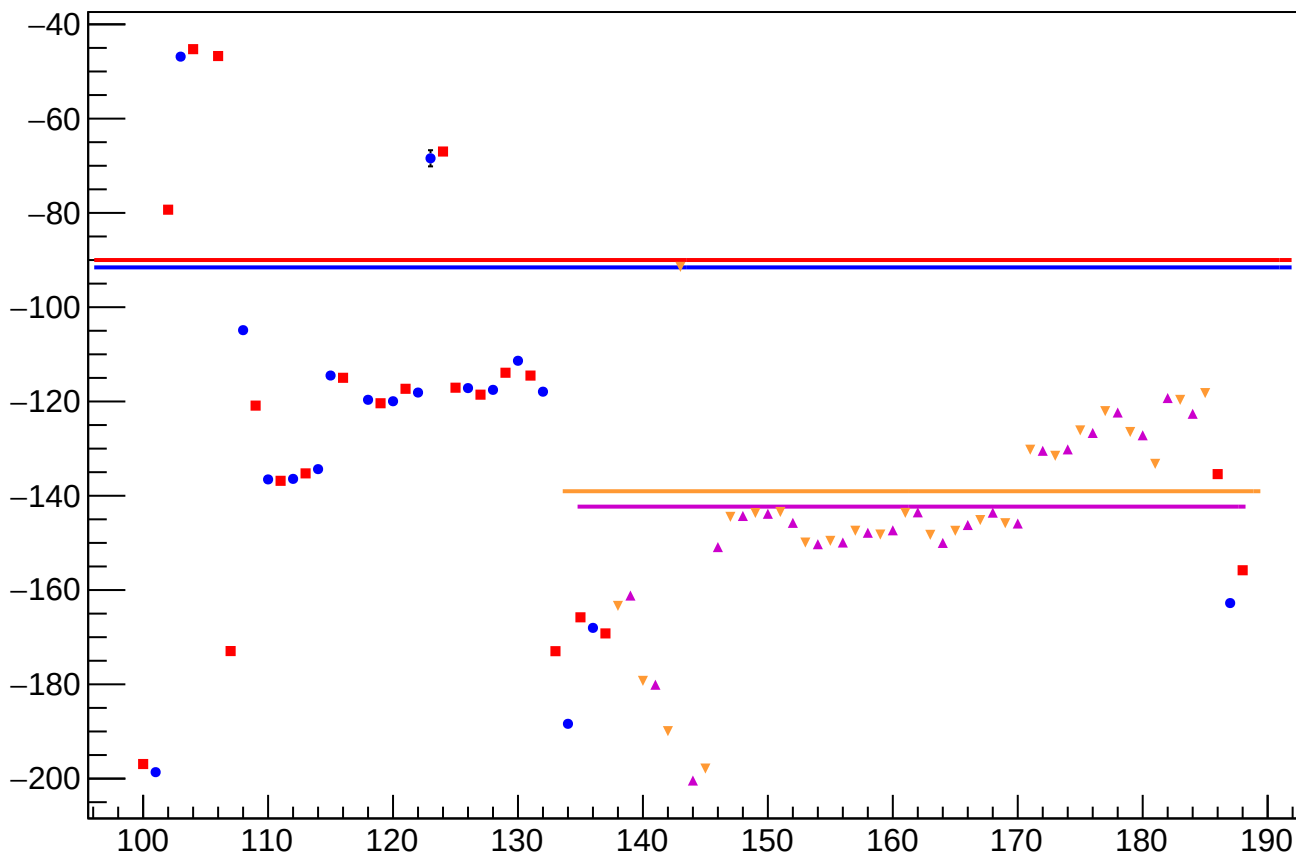
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 58.793 $\pm$ 0.760 χ^2 /NDF: 1395.2/42

All: 57.428 $\pm$ 0.538 χ^2 /NDF: 2609.1/86

- sign 56.053 $\pm$ 0.762 χ^2 /NDF: 1207.4/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -91.555 $\pm$ 0.067 χ^2/NDF : 544392.1/17

Left Out: -139.040 $\pm$ 0.043 χ^2/NDF : 258113.4/24

Right Out: -89.996 $\pm$ 0.063 χ^2/NDF : 561462.8/20

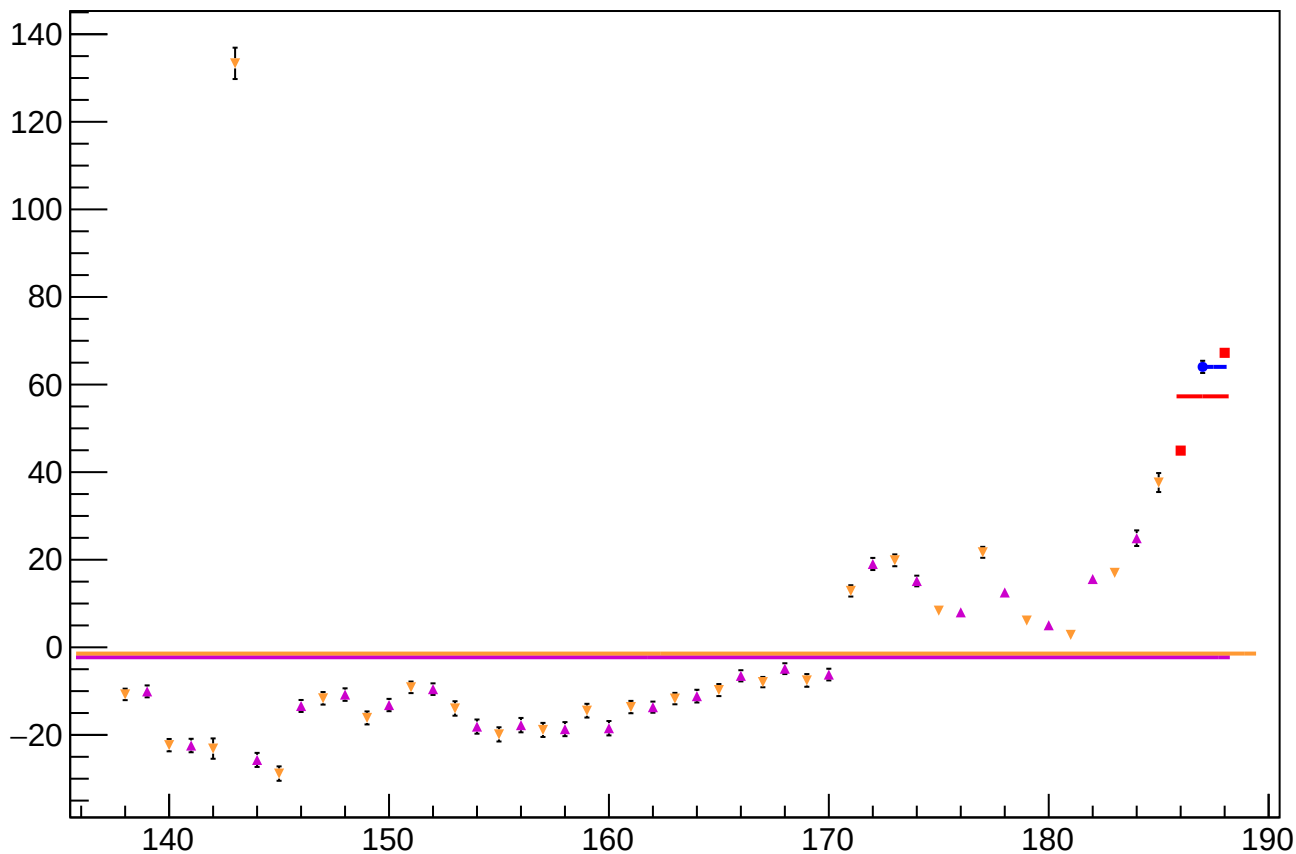
Left In: -142.305 $\pm$ 0.044 χ^2/NDF : 143351.8/22

+ sign -125.382 $\pm$ 0.036 χ^2/NDF : 1155409.1/42

All: -125.231 $\pm$ 0.026 χ^2/NDF : 2323982.5/86

- sign -125.082 $\pm$ 0.036 χ^2/NDF : 1168538.9/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 64.039 $\pm$ 1.393 χ^2 /NDF: 0.0/0

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 57.309 $\pm$ 0.577 χ^2 /NDF: 369.9/1

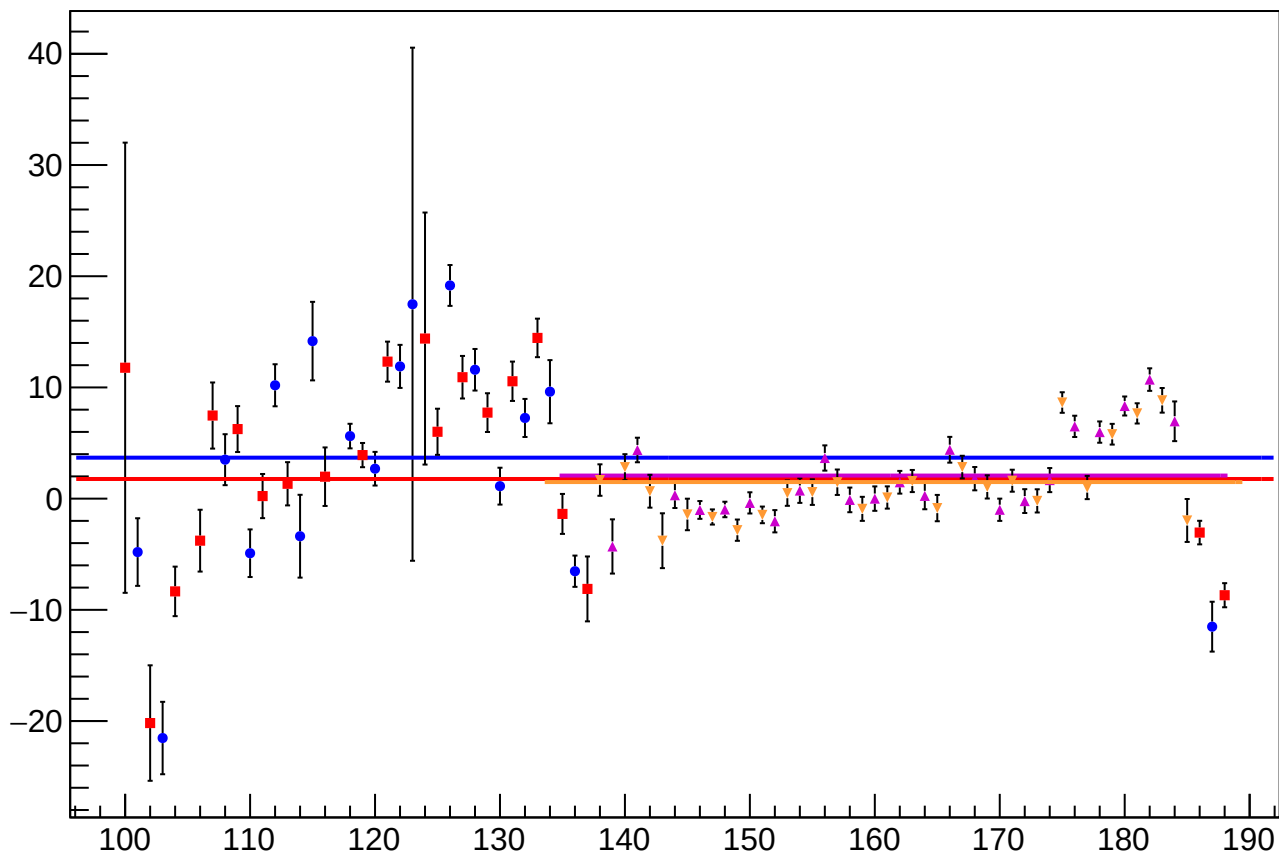
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 0.904 $\pm$ 0.263 χ^2 /NDF: 6469.7/25

All: 4.958 $\pm$ 0.179 χ^2 /NDF: 18546.3/50

- sign 8.483 $\pm$ 0.245 χ^2 /NDF: 11631.8/24

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 3.684 ± 0.462 χ^2/NDF : 328.7/17

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: 1.767 ± 0.402 χ^2/NDF : 336.6/20

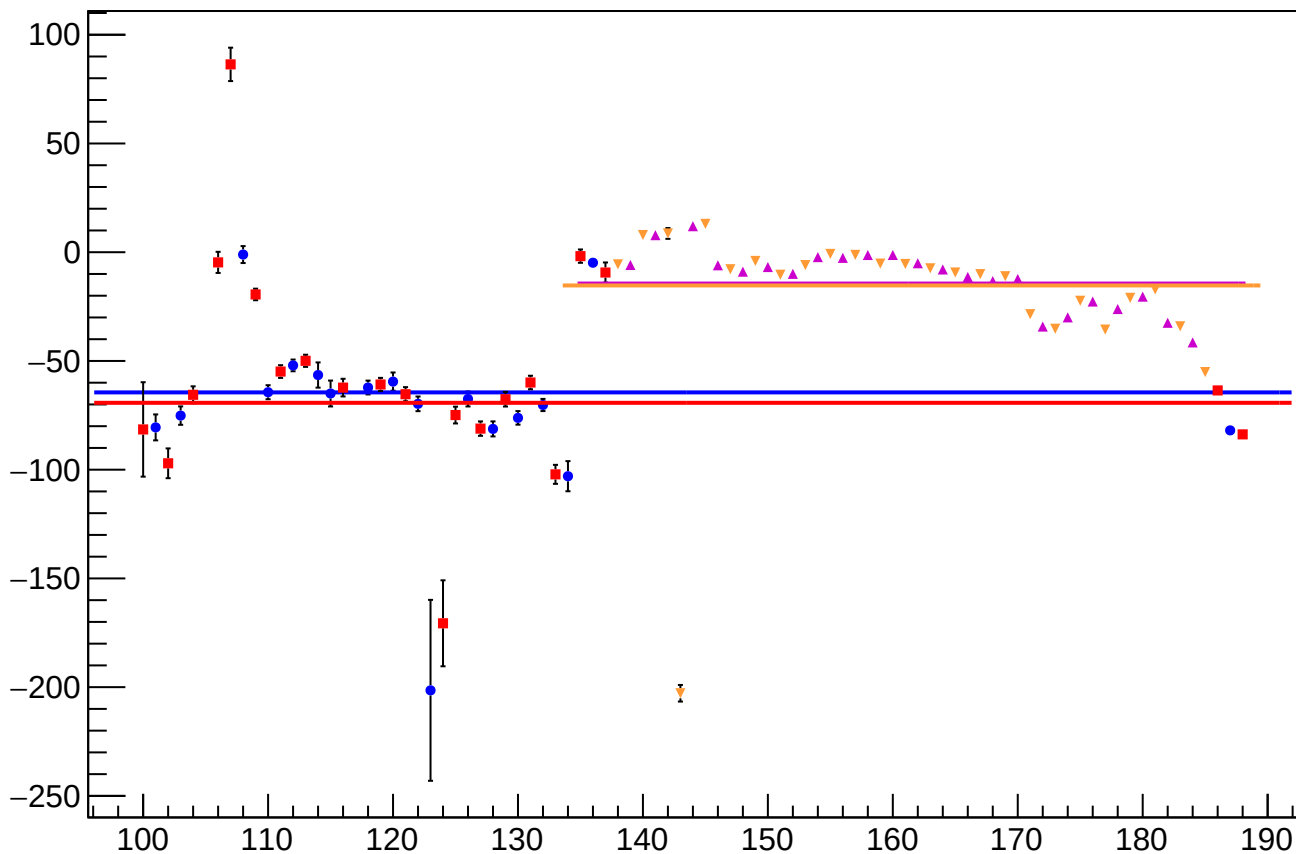
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.868 ± 0.191 χ^2/NDF : 606.5/42

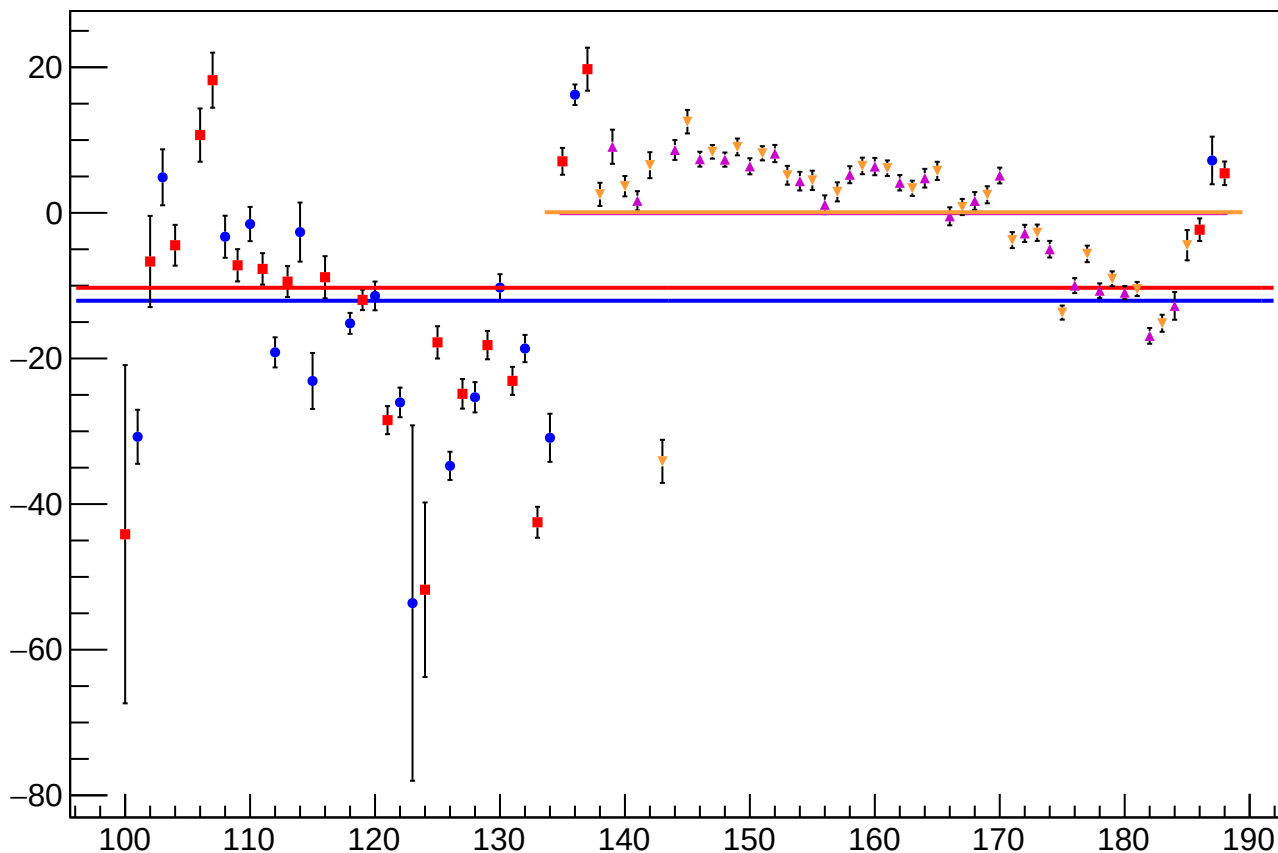
All: 1.937 ± 0.135 χ^2/NDF : 1218.3/86

- sign 2.006 ± 0.190 χ^2/NDF : 611.6/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.071 ± 0.530 χ^2/NDF : 815.4/17

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -10.287 ± 0.485 χ^2/NDF : 867.3/20

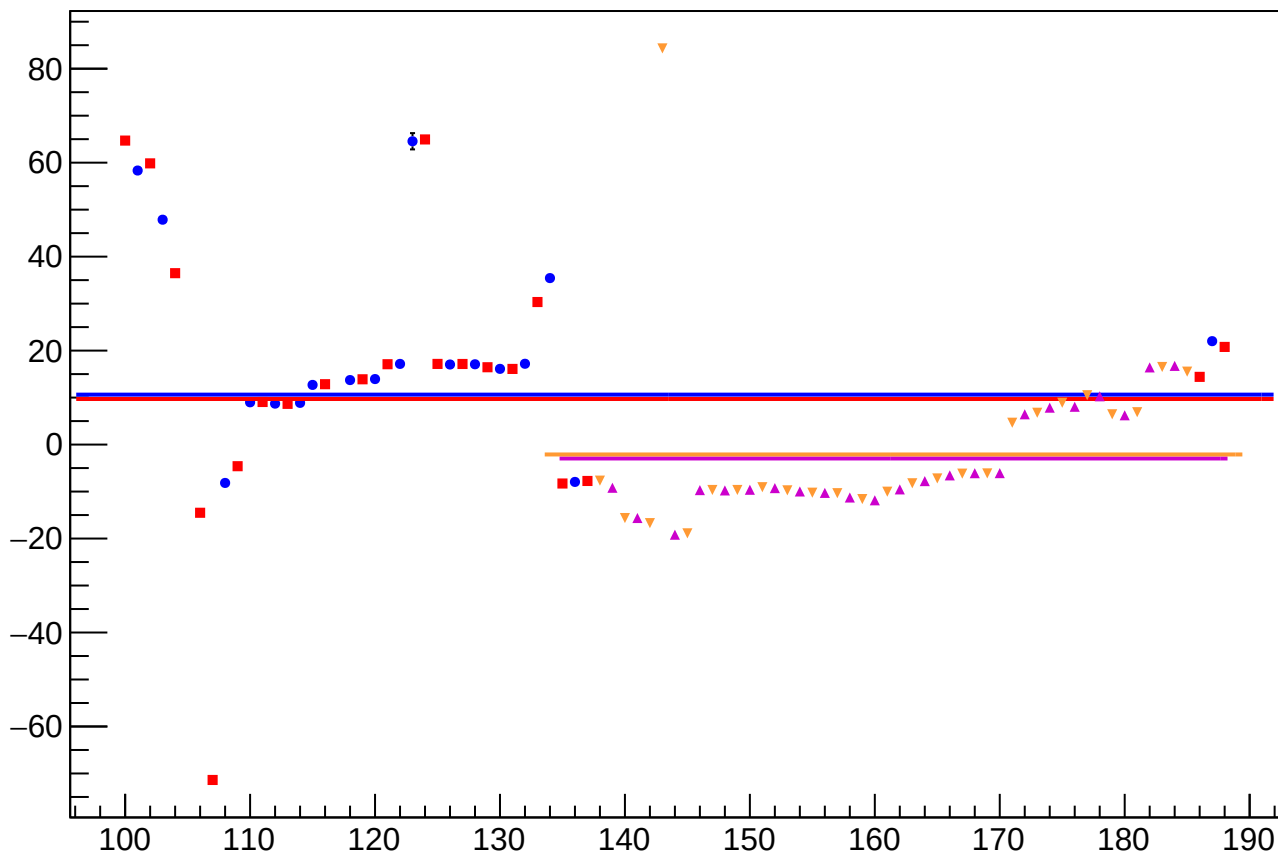
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.954 ± 0.217 χ^2/NDF : 2424.8/42

All: -2.025 ± 0.154 χ^2/NDF : 4676.5/86

- sign -2.097 ± 0.217 χ^2/NDF : 2251.4/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.629+/-0.030 χ^2/NDF : 384631.2/17

Left Out: -2.105+/-0.011 χ^2/NDF : 1093120.2/24

Right Out: 9.702+/-0.028 χ^2/NDF : 567195.3/20

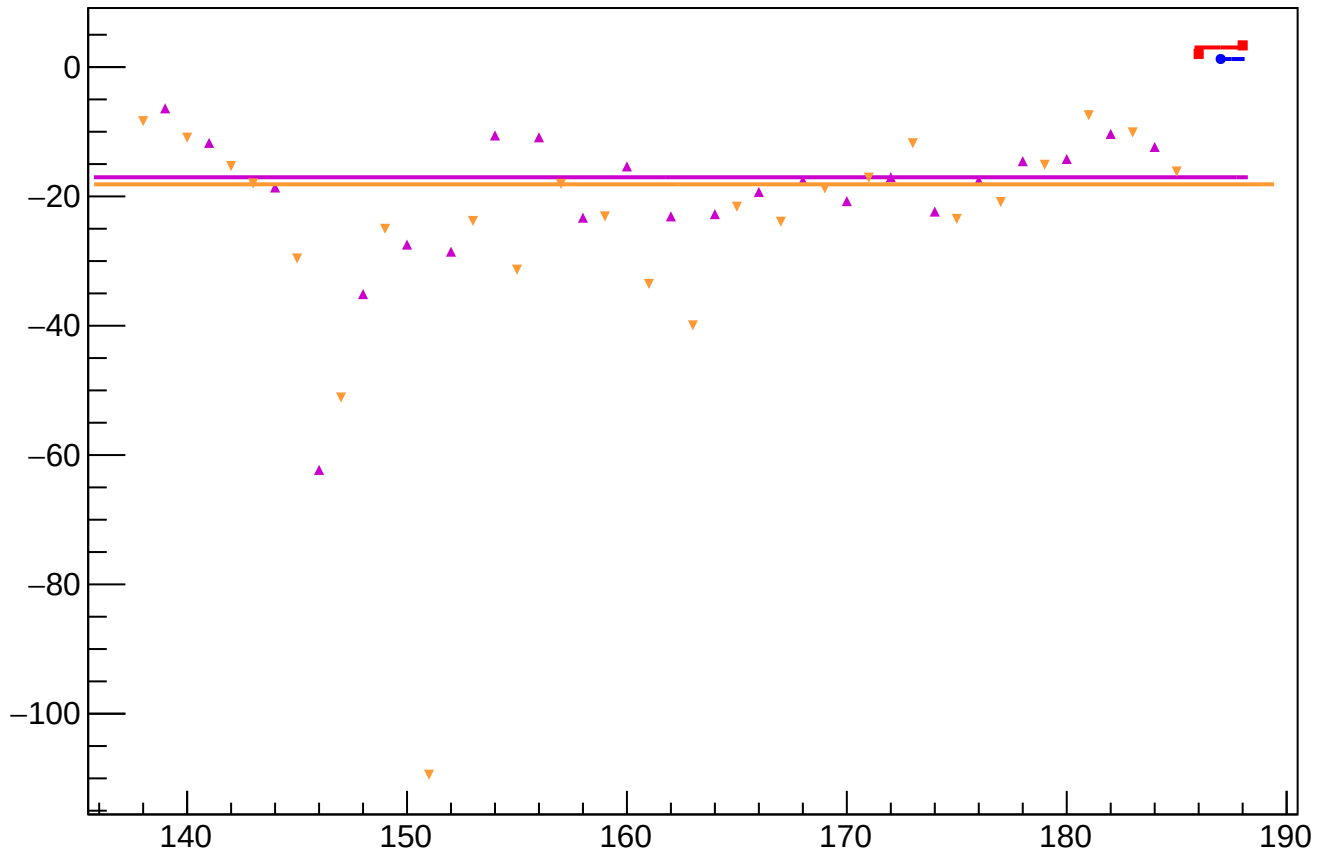
Left In: -2.959+/-0.011 χ^2/NDF : 763000.9/22

+ sign -0.641+/-0.010 χ^2/NDF : 1633990.1/42

All: -0.973+/-0.007 χ^2/NDF : 3139353.4/86

- sign -1.304+/-0.010 χ^2/NDF : 1503277.3/43

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 1.248 $\pm$ 0.282 χ^2 /NDF: 0.0/0

Left Out: -18.128 $\pm$ 0.039 χ^2 /NDF: 88551.6/24

Right Out: 3.035 $\pm$ 0.096 χ^2 /NDF: 34.7/1

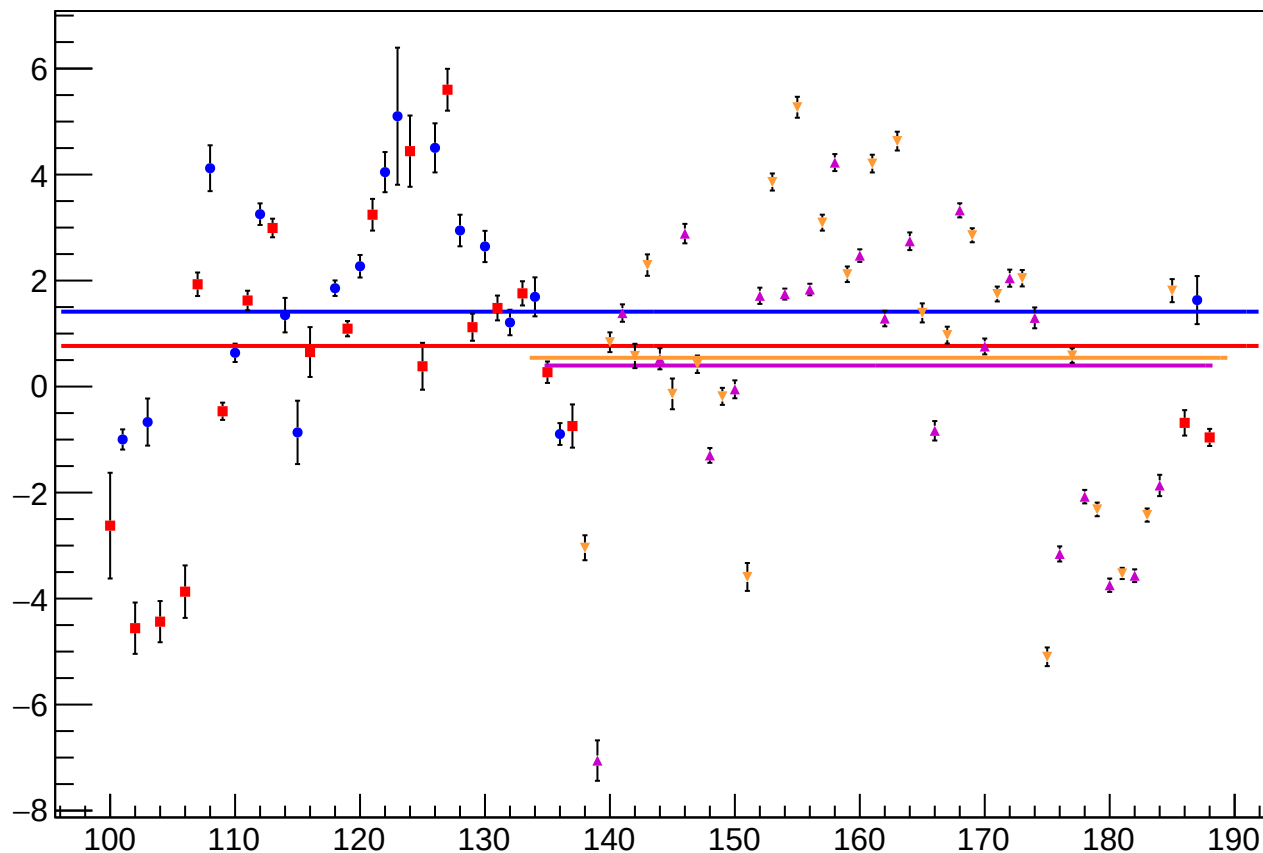
Left In: -17.038 $\pm$ 0.038 χ^2 /NDF: 44141.1/22

+ sign -17.765 $\pm$ 0.039 χ^2 /NDF: 93195.8/25

All: -15.887 $\pm$ 0.026 χ^2 /NDF: 179538.7/50

- sign -14.298 $\pm$ 0.035 χ^2 /NDF: 81961.3/24

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.413 ± 0.061 χ^2/NDF : 634.8/17

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.767 ± 0.053 χ^2/NDF : 1121.2/20

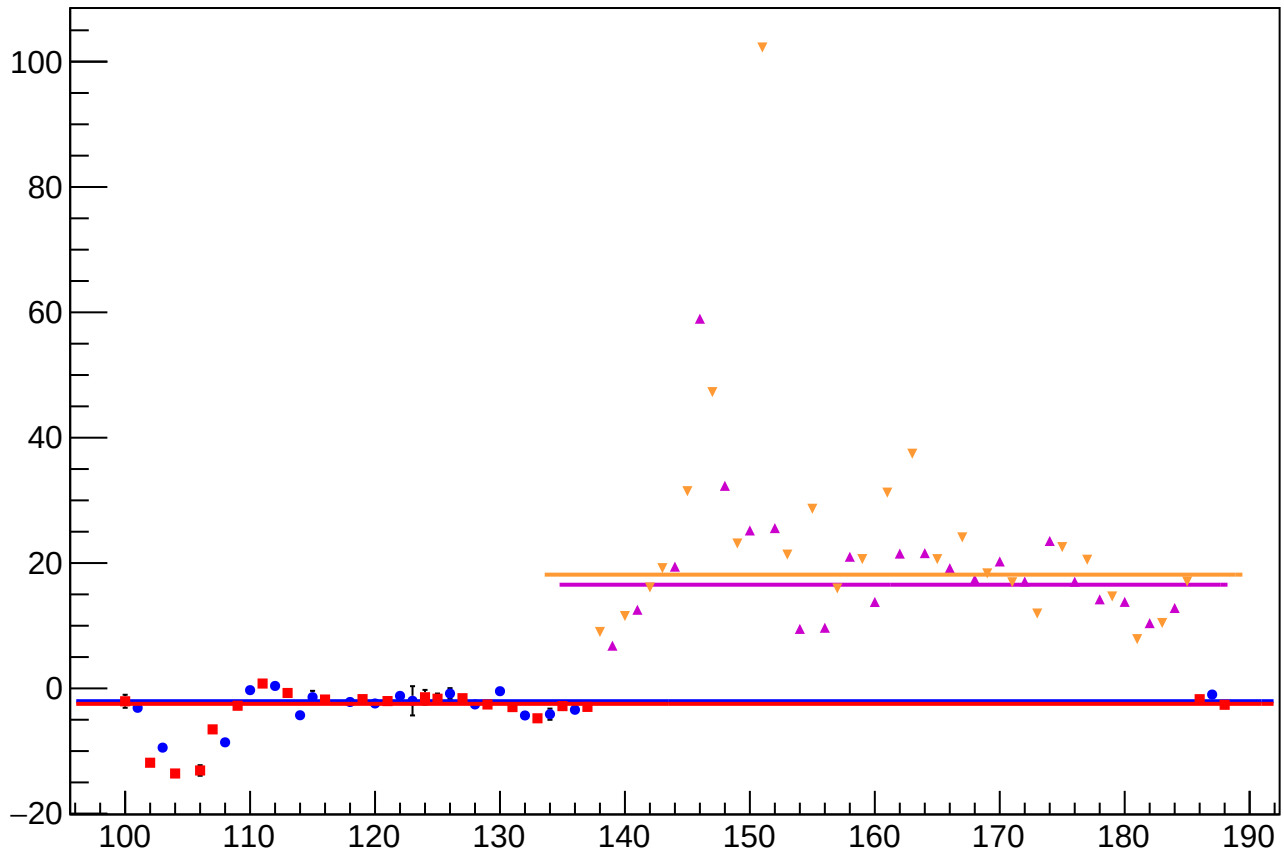
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.732 ± 0.029 χ^2/NDF : 7876.9/42

All: 0.602 ± 0.019 χ^2/NDF : 15308.4/86

- sign 0.489 ± 0.027 χ^2/NDF : 7393.0/43

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.042 ± 0.100 χ^2/NDF : 473.6/17

Left Out: 18.150 ± 0.039 χ^2/NDF : 77847.8/24

Right Out: -2.463 ± 0.061 χ^2/NDF : 918.3/20

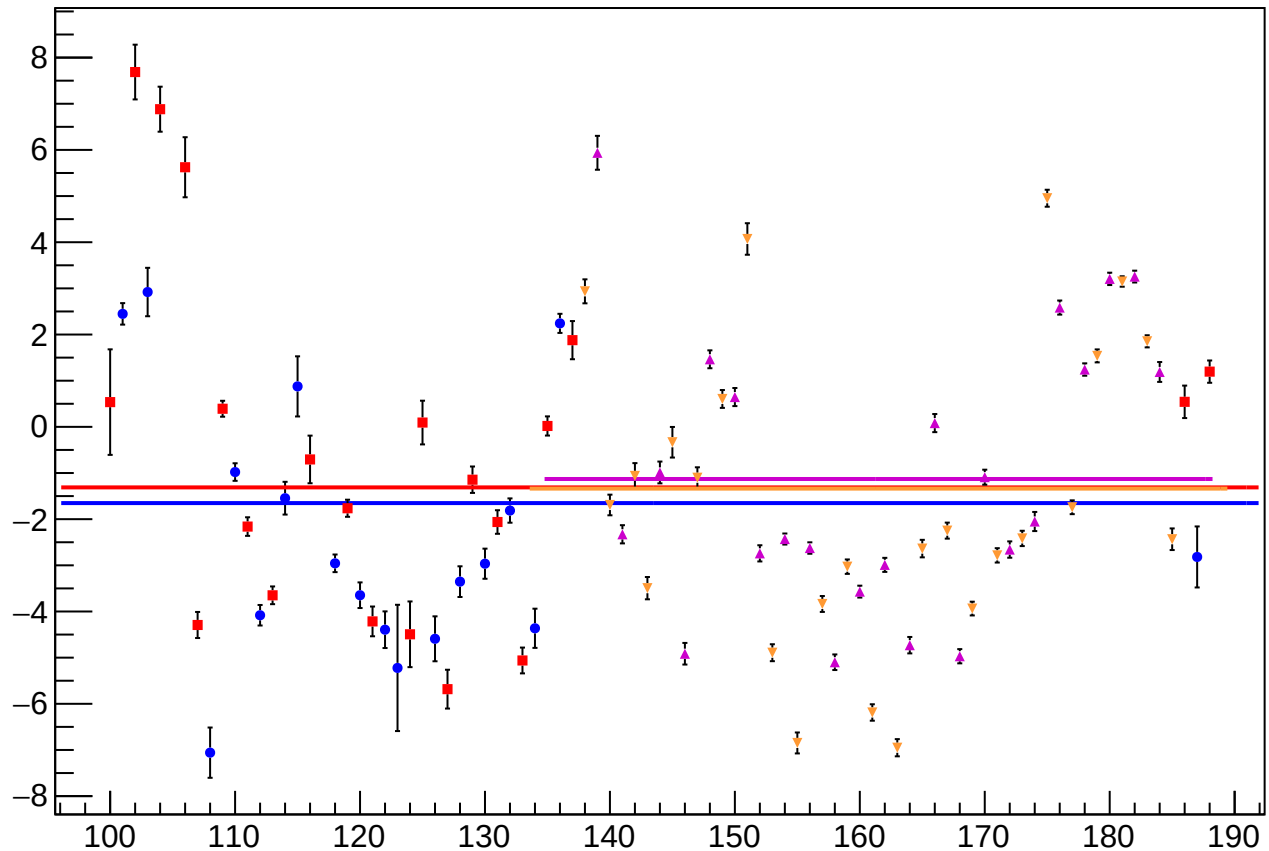
Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

+ sign 15.495 ± 0.036 χ^2/NDF : 113403.2/42

All: 13.110 ± 0.024 χ^2/NDF : 233198.1/86

- sign 11.261 ± 0.032 χ^2/NDF : 112188.0/43

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.651 ± 0.071 χ^2/NDF : 1261.7/17

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -1.312 ± 0.062 χ^2/NDF : 1653.9/20

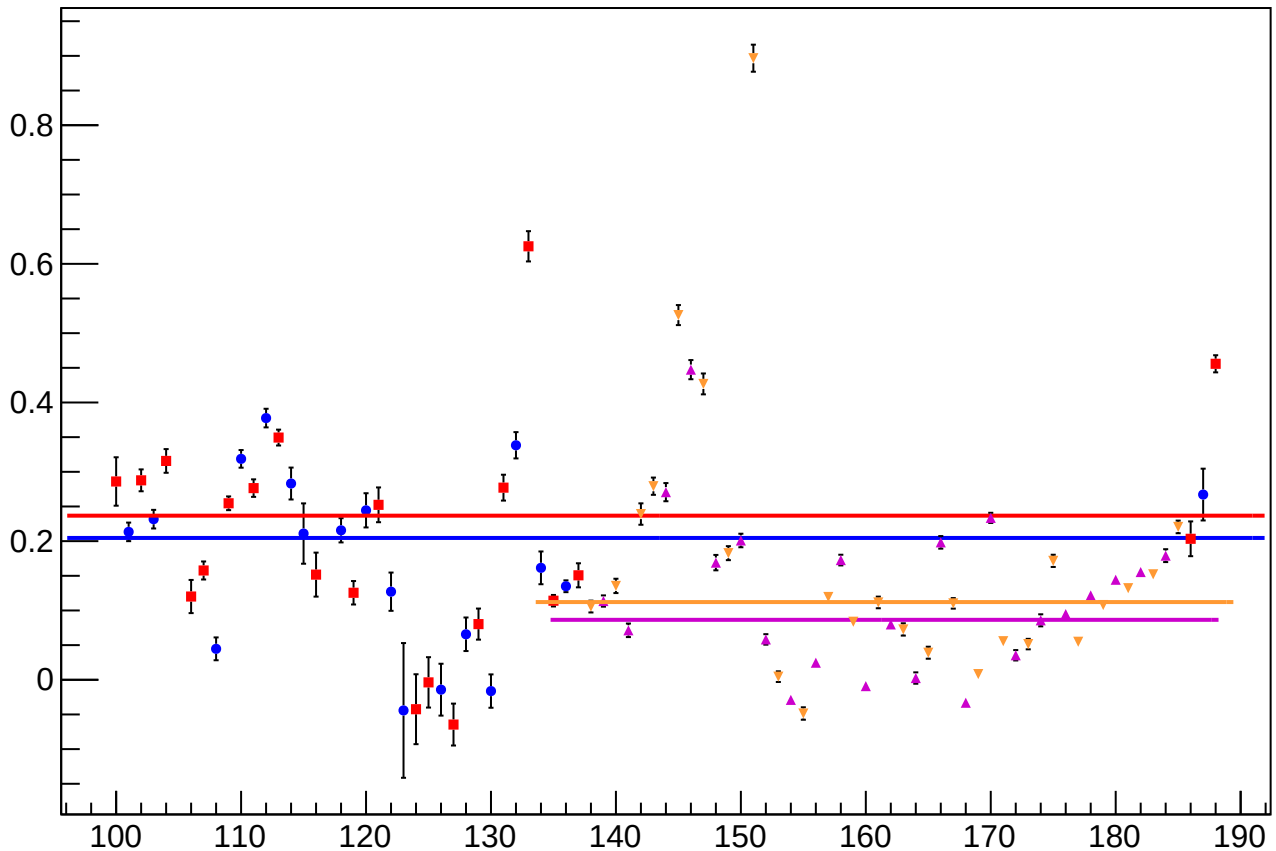
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.402 ± 0.032 χ^2/NDF : 9220.4/42

All: -1.279 ± 0.022 χ^2/NDF : 17648.7/86

- sign -1.171 ± 0.030 χ^2/NDF : 8400.7/43

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.004 χ^2 /NDF: 648.4/17

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF: 4503.9/24

Right Out: 0.237 $\pm$ 0.004 χ^2 /NDF: 1358.0/20

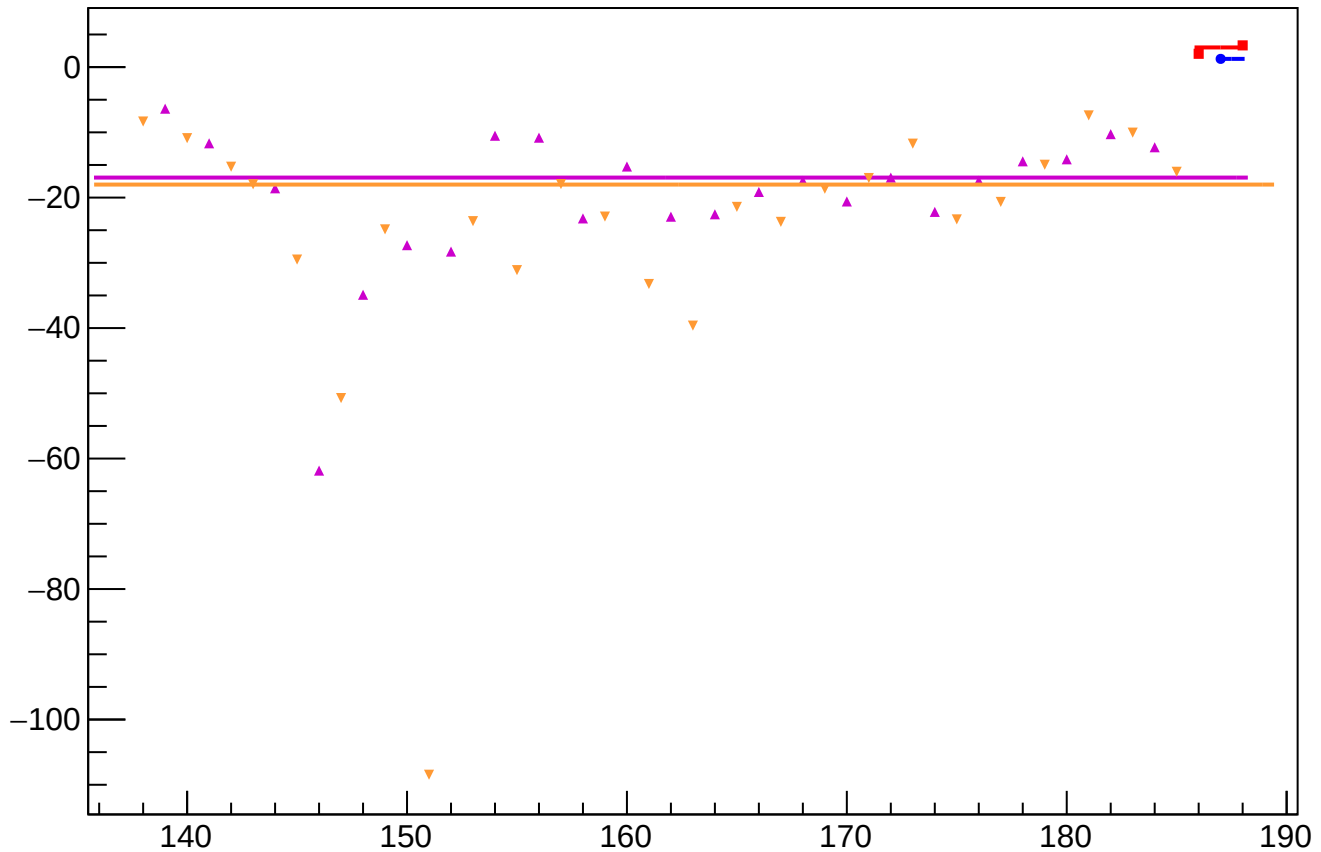
Left In: 0.087 $\pm$ 0.002 χ^2 /NDF: 3655.4/22

+ sign 0.124 $\pm$ 0.001 χ^2 /NDF: 5587.4/42

All: 0.116 $\pm$ 0.001 χ^2 /NDF: 12201.4/86

- sign 0.110 $\pm$ 0.001 χ^2 /NDF: 6563.6/43

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 1.261 ± 0.281 χ^2/NDF : 0.0/0

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 3.015 ± 0.095 χ^2/NDF : 34.1/1

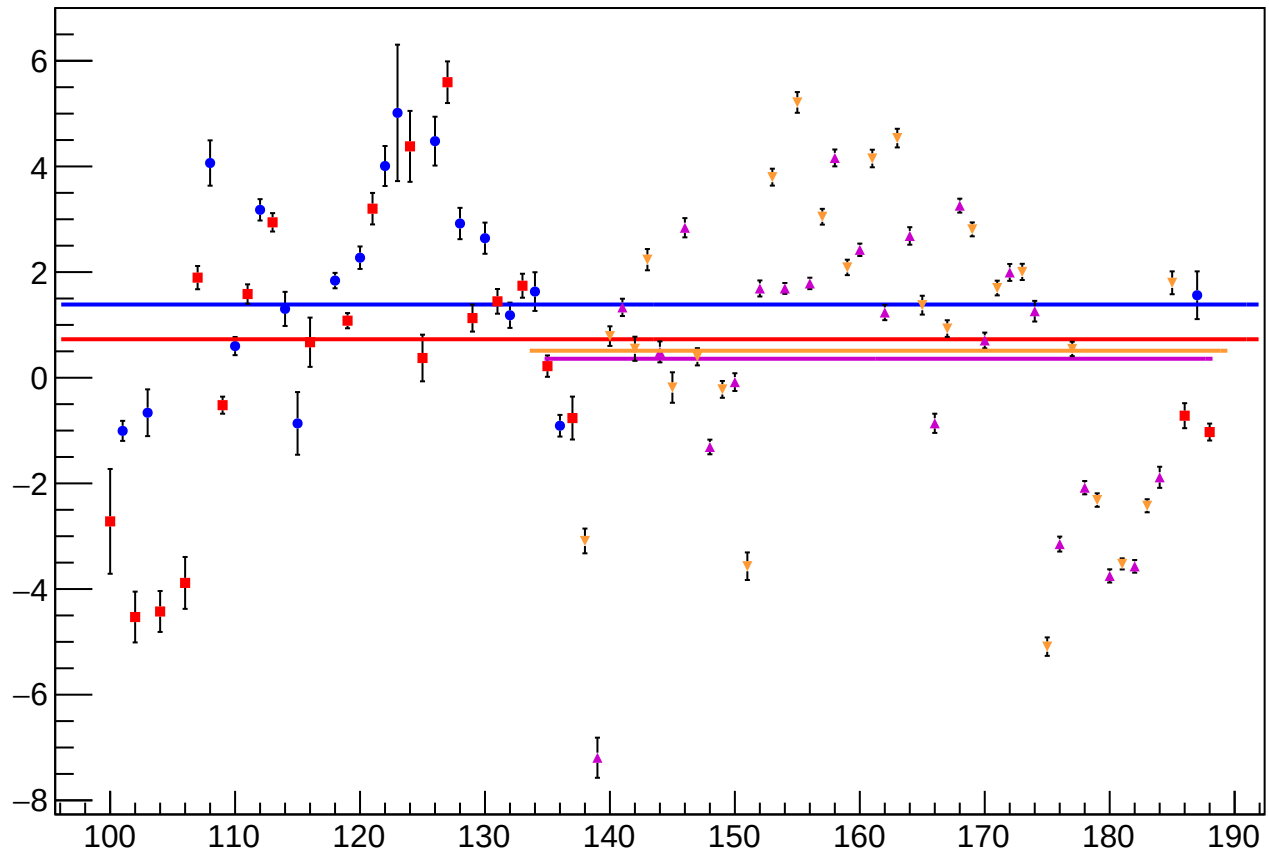
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -17.647 ± 0.038 χ^2/NDF : 93013.9/25

All: -15.771 ± 0.026 χ^2/NDF : 179710.9/50

- sign -14.185 ± 0.035 χ^2/NDF : 82266.0/24

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.386 ± 0.061 χ^2/NDF : 632.4/17

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.729 ± 0.053 χ^2/NDF : 1134.6/20

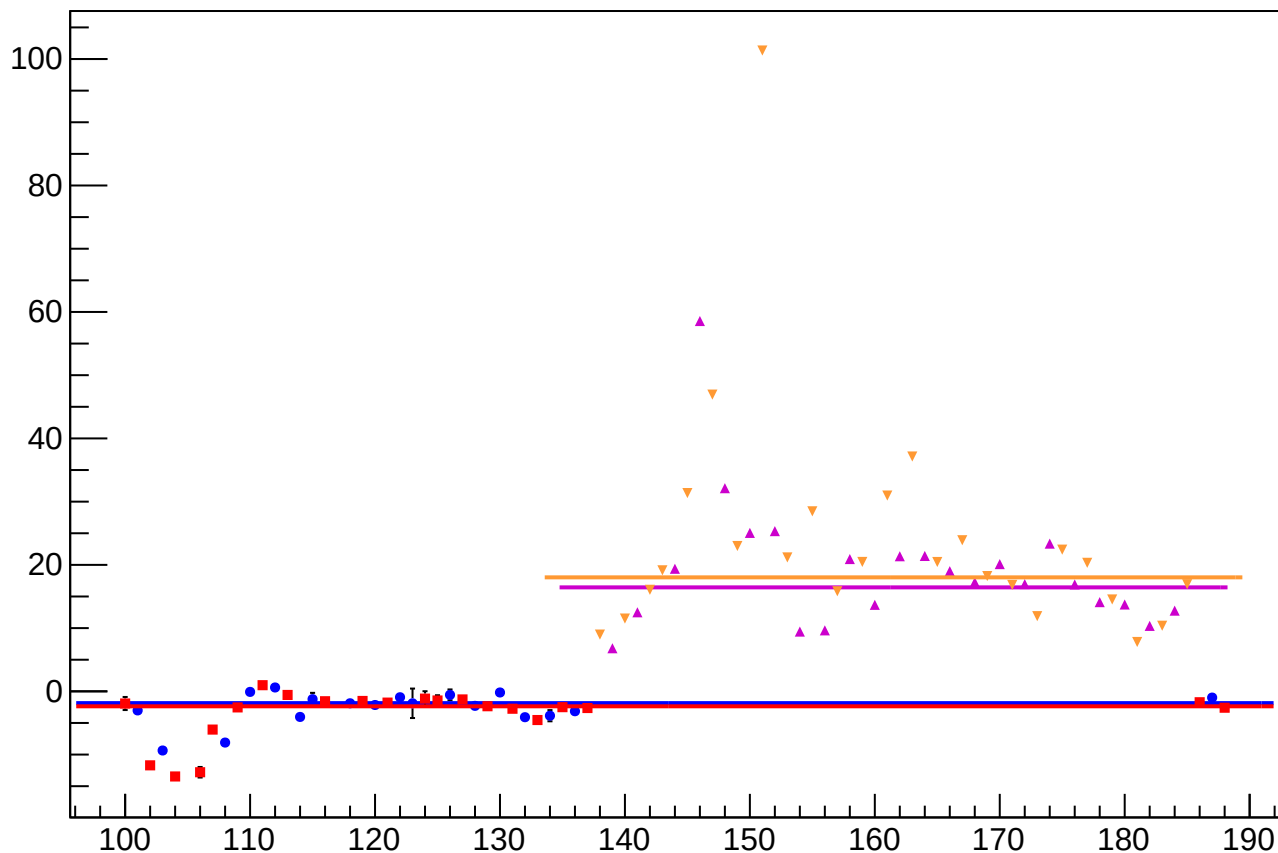
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.701 ± 0.028 χ^2/NDF : 7862.8/42

All: 0.567 ± 0.019 χ^2/NDF : 15296.1/86

- sign 0.451 ± 0.026 χ^2/NDF : 7392.1/43

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -1.864 ± 0.100 $\chi^2/\text{NDF}: 467.8/17$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -2.367 ± 0.060 $\chi^2/\text{NDF}: 918.9/20$

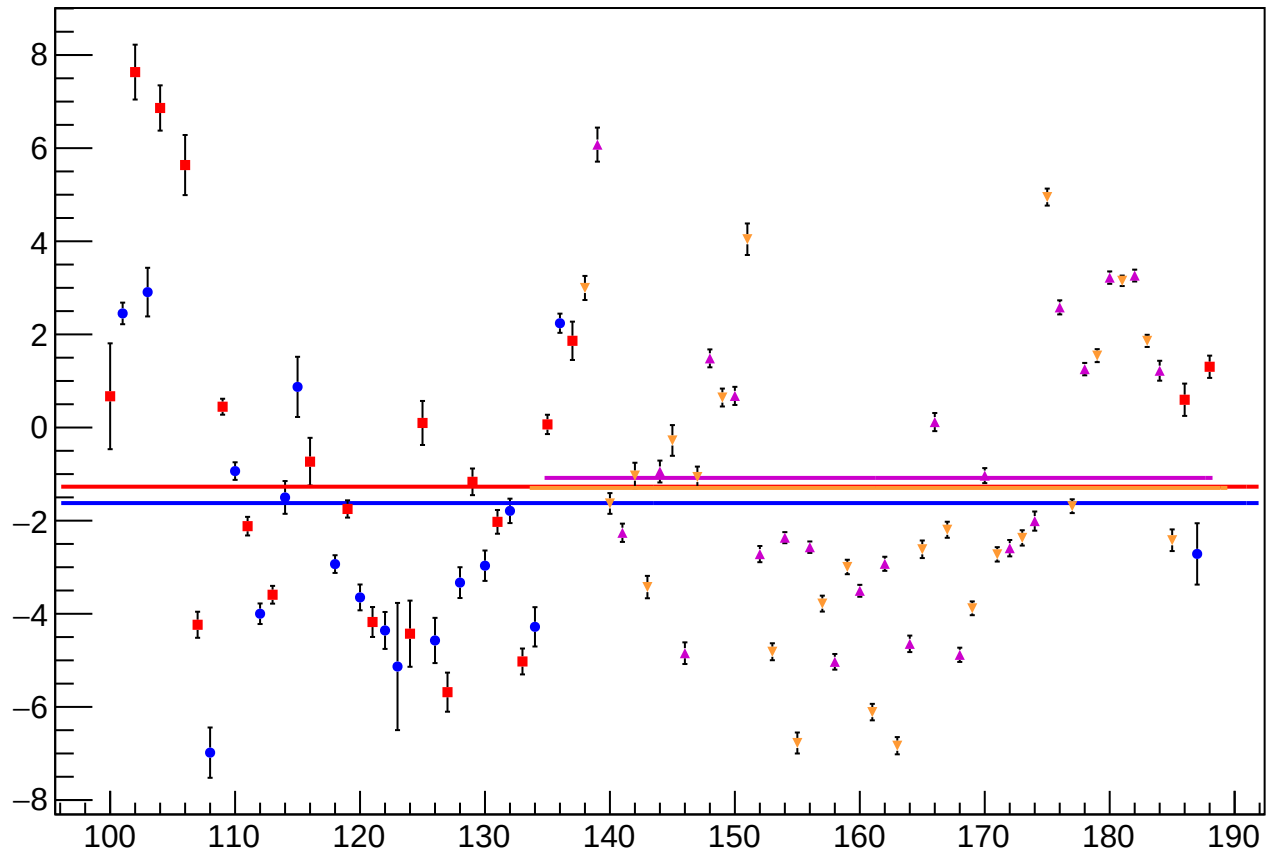
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 15.422 ± 0.036 $\chi^2/\text{NDF}: 112566.0/42$

All: 13.039 ± 0.024 $\chi^2/\text{NDF}: 232137.6/86$

- sign 11.193 ± 0.032 $\chi^2/\text{NDF}: 111877.9/43$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.622 ± 0.071 χ^2/NDF : 1256.0/17

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -1.270 ± 0.062 χ^2/NDF : 1668.5/20

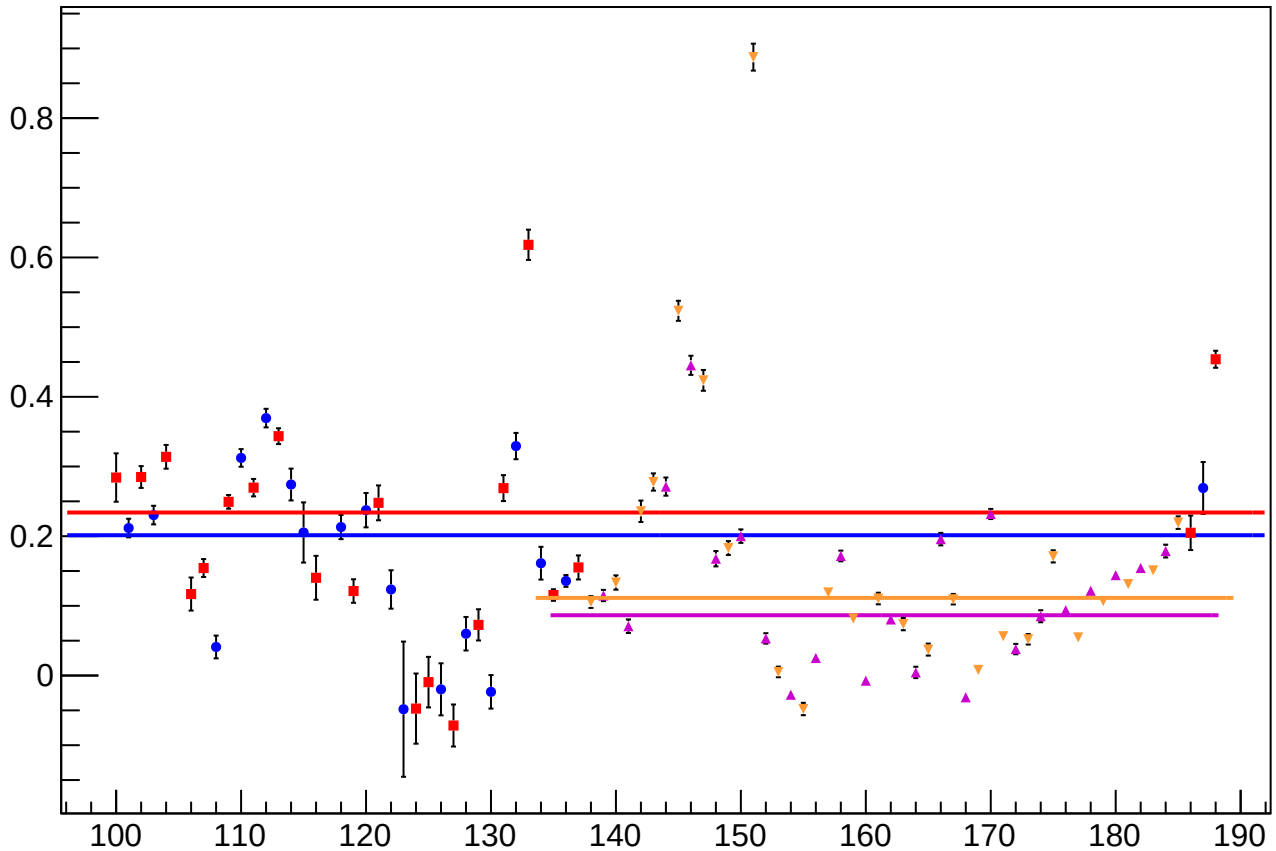
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.363 ± 0.032 χ^2/NDF : 9198.1/42

All: -1.236 ± 0.022 χ^2/NDF : 17627.7/86

- sign -1.125 ± 0.030 χ^2/NDF : 8399.7/43

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 633.8/17

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.234 ± 0.003 χ^2/NDF : 1350.8/20

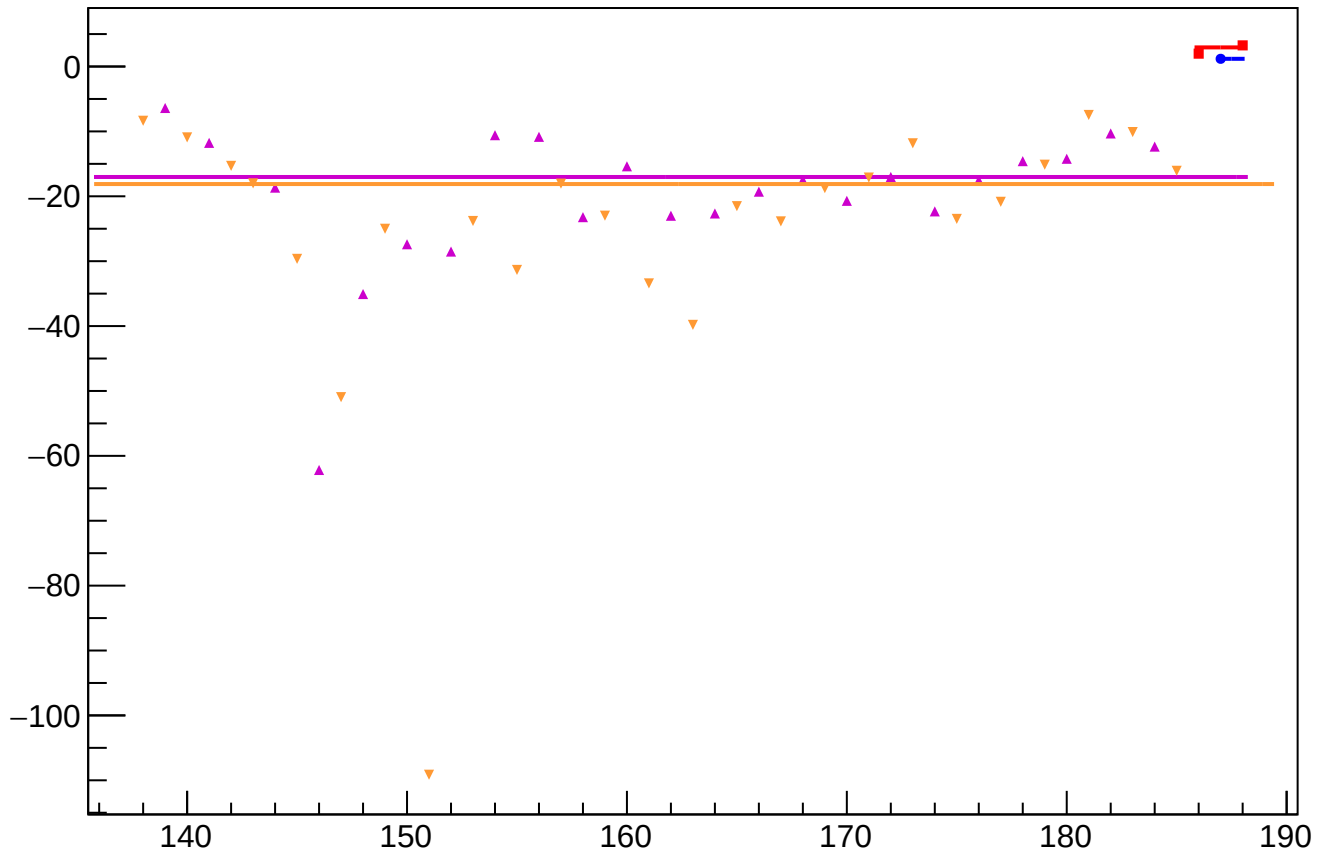
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.123 ± 0.001 χ^2/NDF : 5545.2/42

All: 0.116 ± 0.001 χ^2/NDF : 12078.0/86

- sign 0.109 ± 0.001 χ^2/NDF : 6486.0/43

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 1.187 ± 0.282 χ^2/NDF : 0.0/0

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 2.946 ± 0.095 χ^2/NDF : 33.6/1

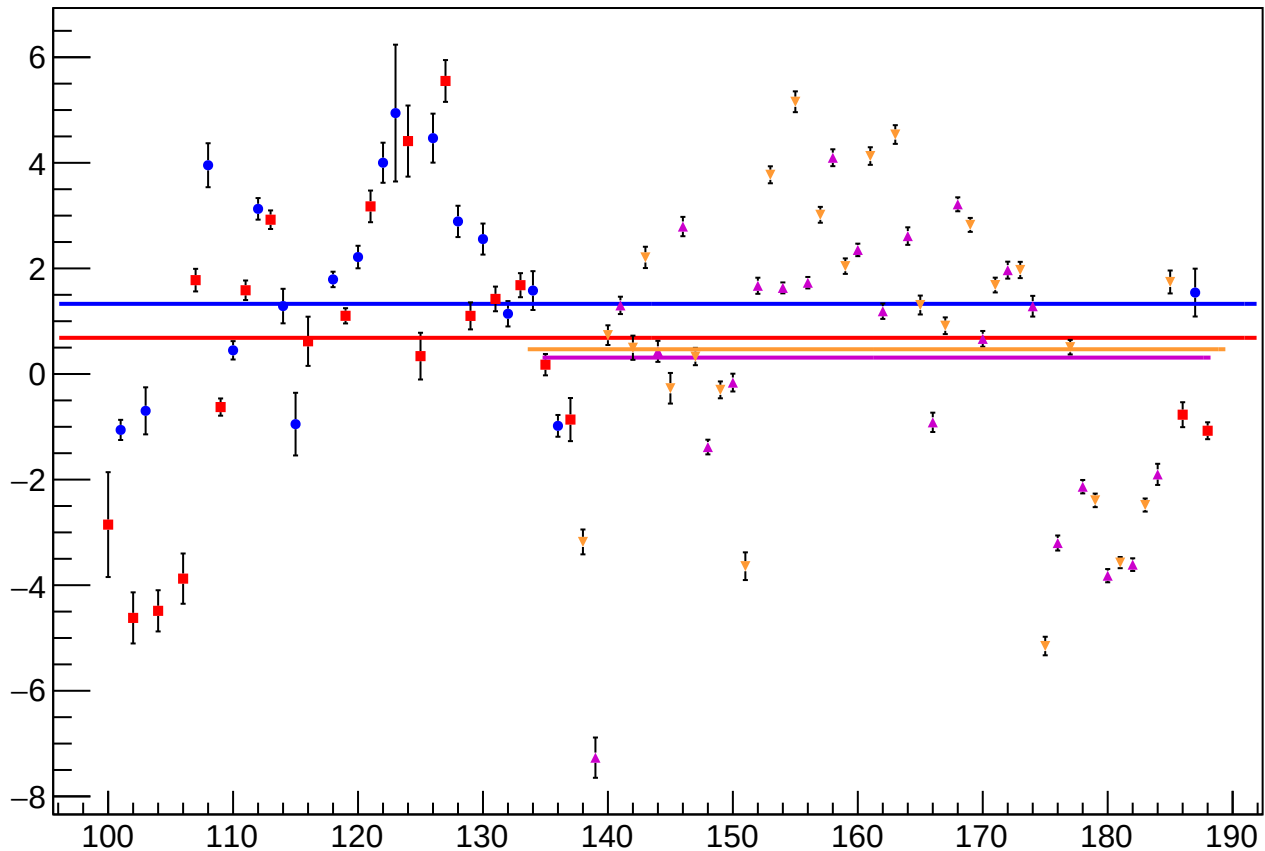
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -17.753 ± 0.038 χ^2/NDF : 93142.7/25

All: -15.850 ± 0.026 χ^2/NDF : 180161.7/50

- sign -14.245 ± 0.035 χ^2/NDF : 82503.0/24

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.329 ± 0.061 $\chi^2/\text{NDF}: 637.4/17$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7093.0/24$

Right Out: 0.685 ± 0.053 $\chi^2/\text{NDF}: 1147.0/20$

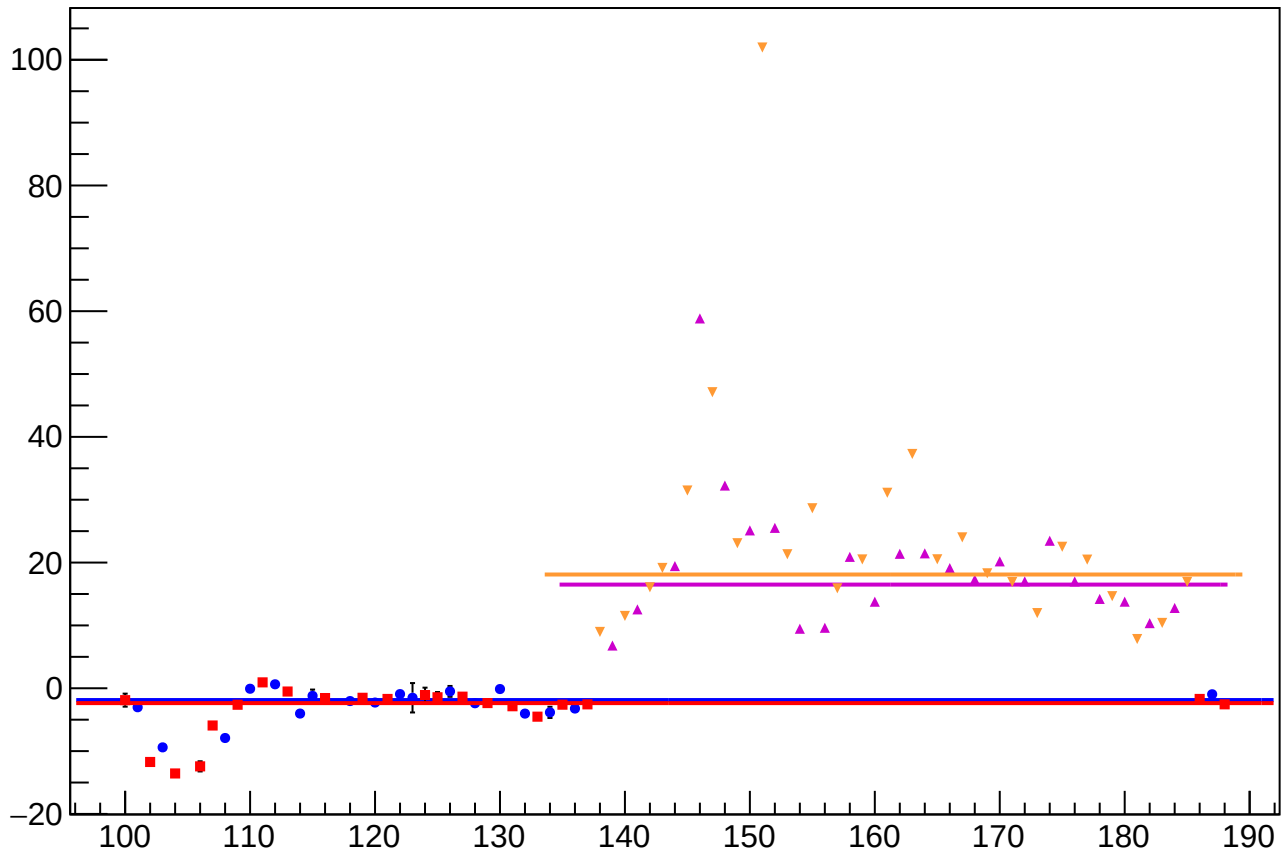
Left In: 0.311 ± 0.031 $\chi^2/\text{NDF}: 6183.1/22$

+ sign 0.655 ± 0.029 $\chi^2/\text{NDF}: 7883.7/42$

All: 0.520 ± 0.019 $\chi^2/\text{NDF}: 15292.6/86$

- sign 0.404 ± 0.027 $\chi^2/\text{NDF}: 7367.5/43$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -1.876 ± 0.100 $\chi^2/\text{NDF}: 468.7/17$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -2.362 ± 0.060 $\chi^2/\text{NDF}: 912.7/20$

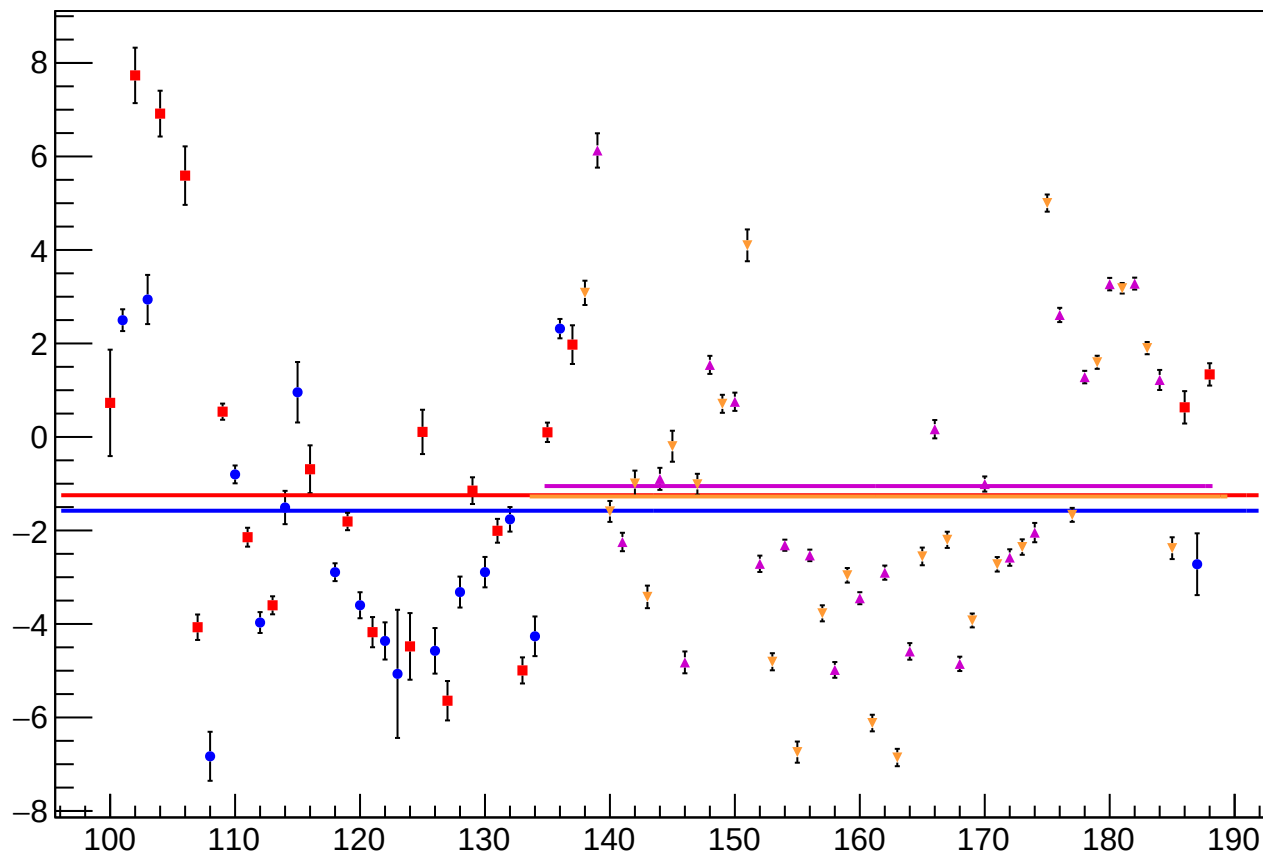
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 15.487 ± 0.036 $\chi^2/\text{NDF}: 112657.2/42$

All: 13.073 ± 0.024 $\chi^2/\text{NDF}: 232566.0/86$

- sign 11.209 ± 0.032 $\chi^2/\text{NDF}: 112093.5/43$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.578 ± 0.071 χ^2/NDF : 1261.2/17

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -1.247 ± 0.062 χ^2/NDF : 1681.2/20

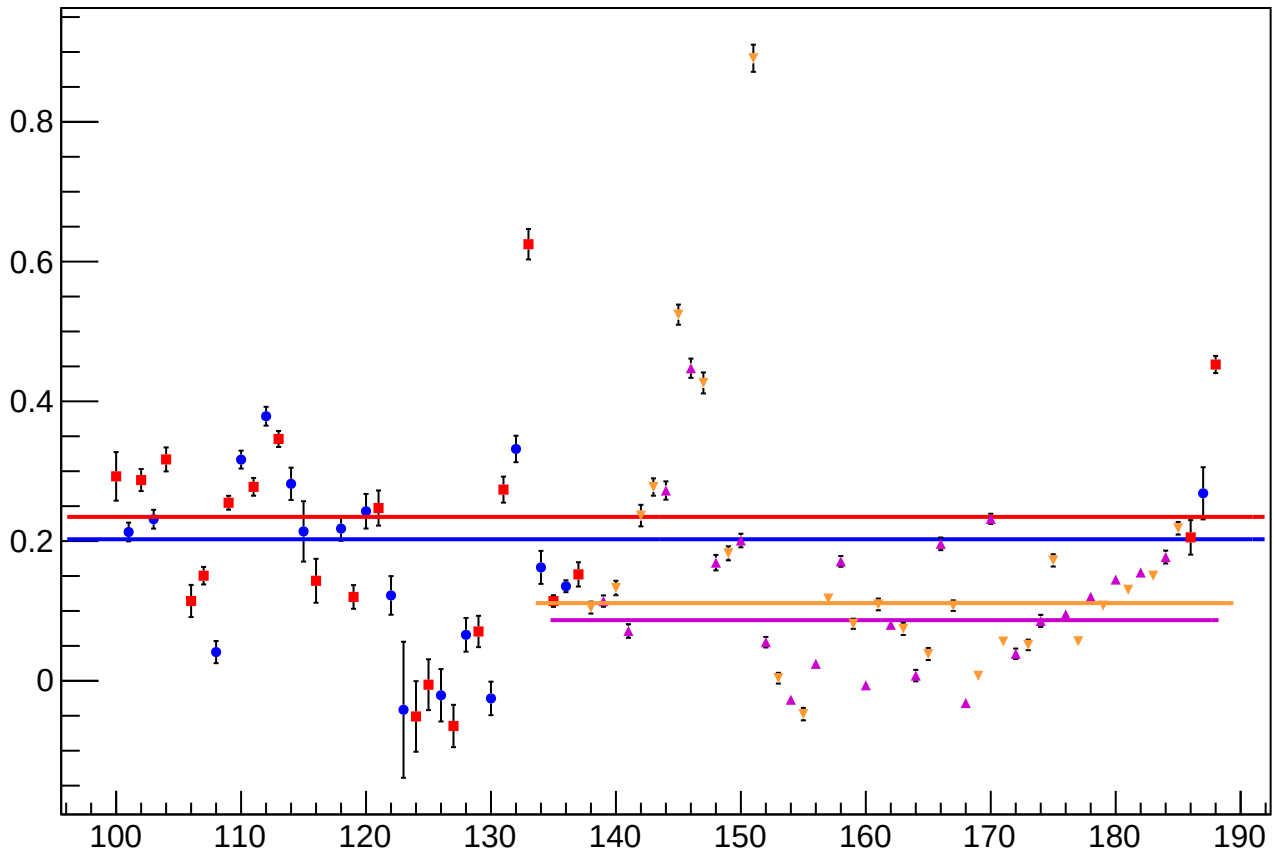
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.335 ± 0.032 χ^2/NDF : 9227.5/42

All: -1.207 ± 0.022 χ^2/NDF : 17619.7/86

- sign -1.096 ± 0.030 χ^2/NDF : 8362.3/43

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 661.8/17

Left Out: 0.111 ± 0.002 χ^2/NDF : 4474.5/24

Right Out: 0.235 ± 0.003 χ^2/NDF : 1377.9/20

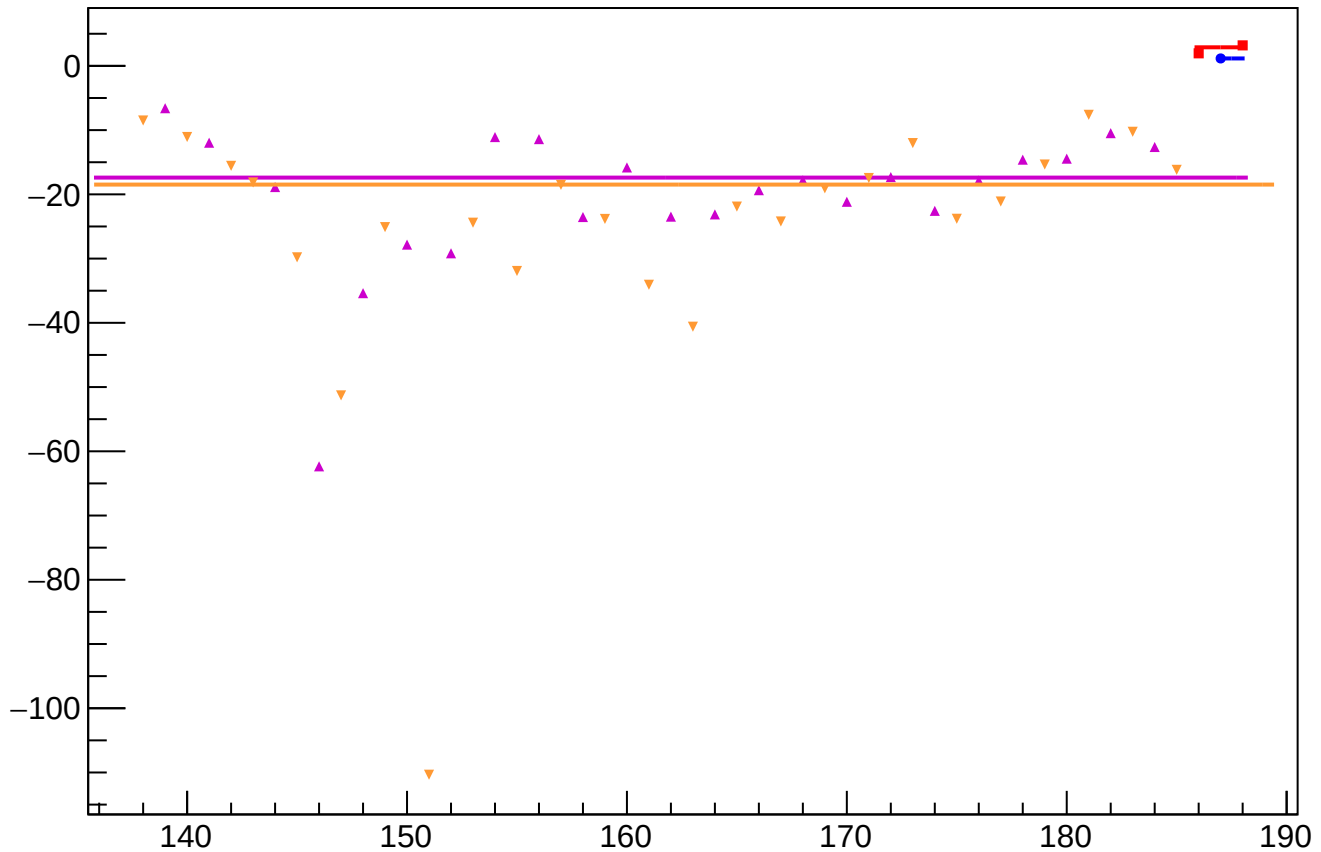
Left In: 0.087 ± 0.001 χ^2/NDF : 3598.5/22

+ sign 0.123 ± 0.001 χ^2/NDF : 5562.3/42

All: 0.116 ± 0.001 χ^2/NDF : 12093.6/86

- sign 0.110 ± 0.001 χ^2/NDF : 6487.8/43

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 1.157 ± 0.283 χ^2/NDF : 0.0/0

Left Out: -18.479 ± 0.040 χ^2/NDF : 87883.4/24

Right Out: 2.891 ± 0.095 χ^2/NDF : 31.4/1

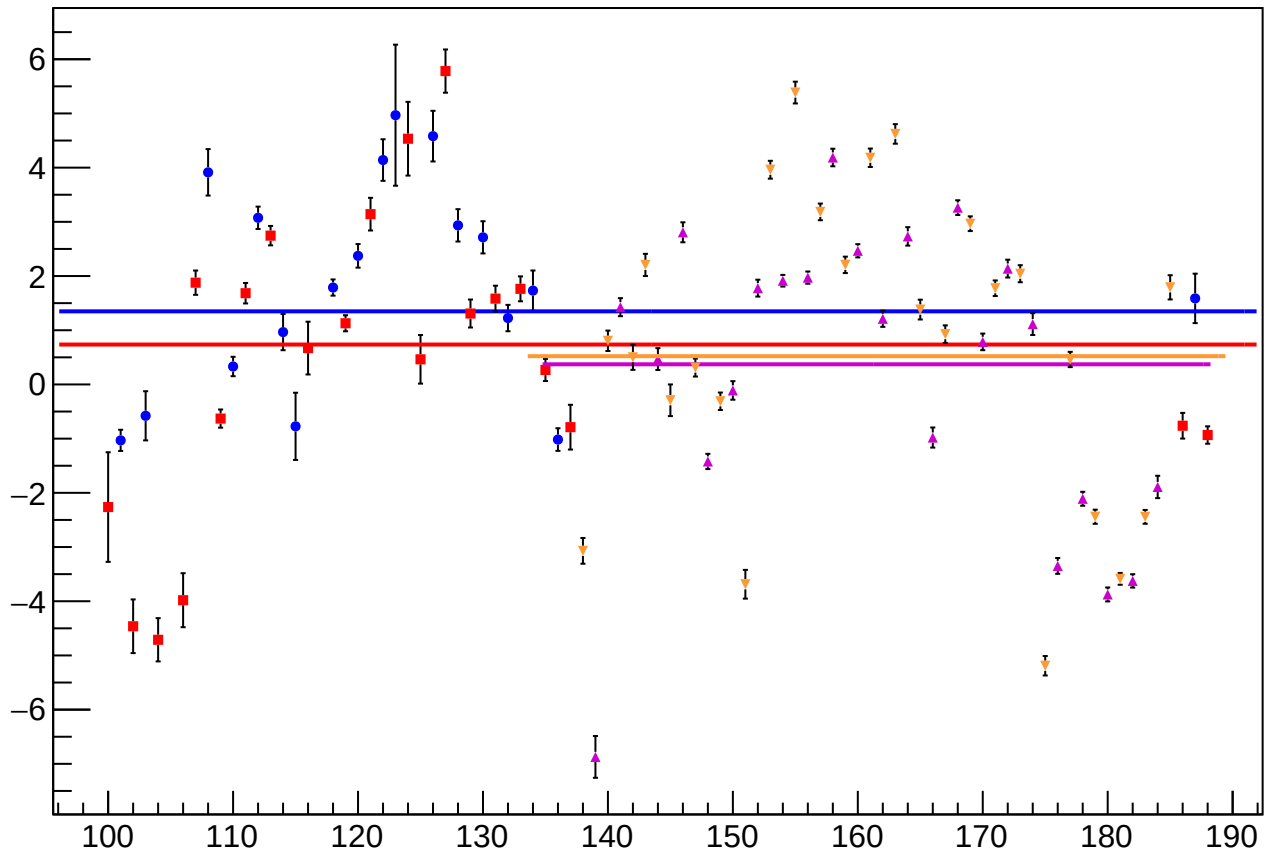
Left In: -17.393 ± 0.039 χ^2/NDF : 43178.9/22

+ sign -18.101 ± 0.039 χ^2/NDF : 92594.5/25

All: -16.128 ± 0.027 χ^2/NDF : 179517.1/50

- sign -14.469 ± 0.036 χ^2/NDF : 82284.9/24

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.349 ± 0.063 χ^2/NDF : 636.6/17

Left Out: 0.522 ± 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.736 ± 0.054 χ^2/NDF : 1105.0/20

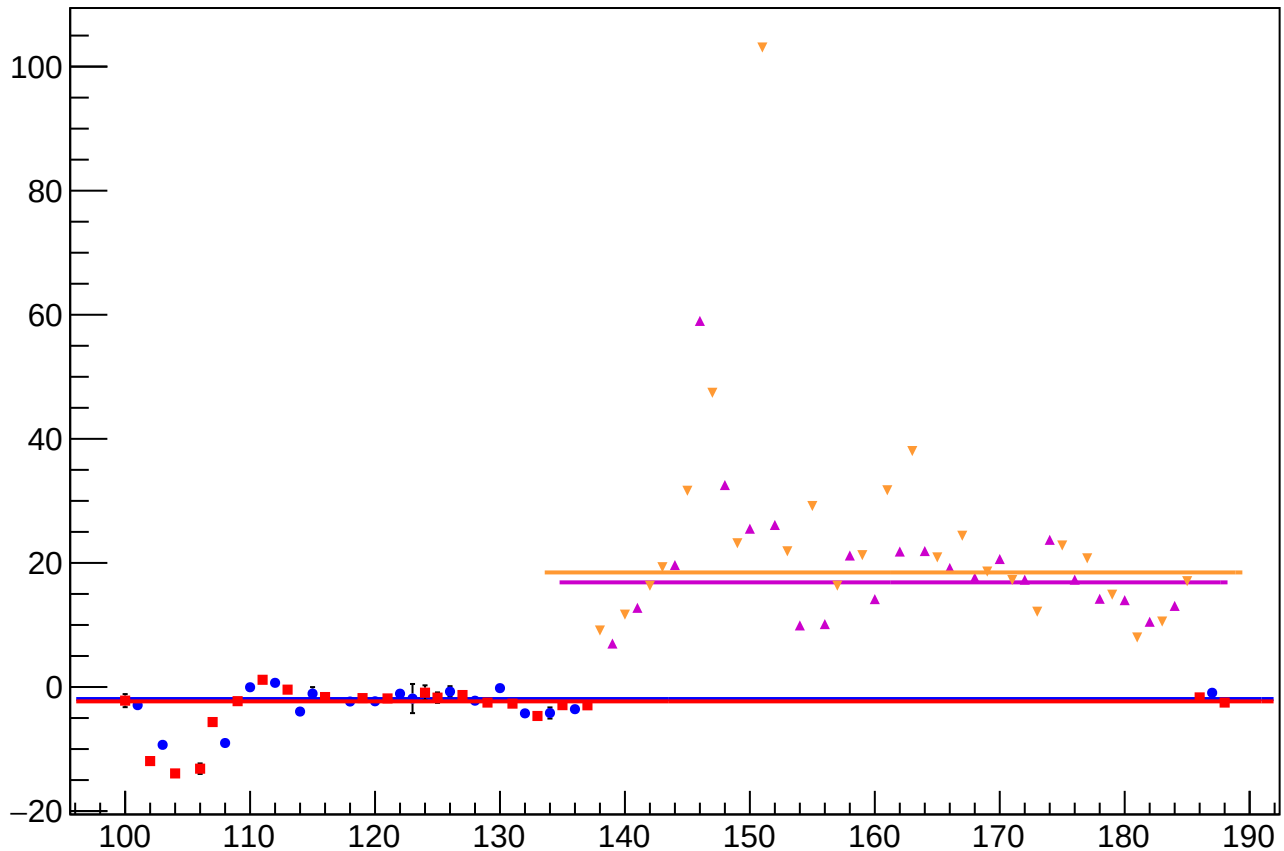
Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

+ sign 0.701 ± 0.029 χ^2/NDF : 7828.2/42

All: 0.574 ± 0.020 χ^2/NDF : 15220.4/86

- sign 0.463 ± 0.027 χ^2/NDF : 7356.5/43

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -1.940 ± 0.102 $\chi^2/\text{NDF}: 495.8/17$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -2.315 ± 0.061 $\chi^2/\text{NDF}: 932.1/20$

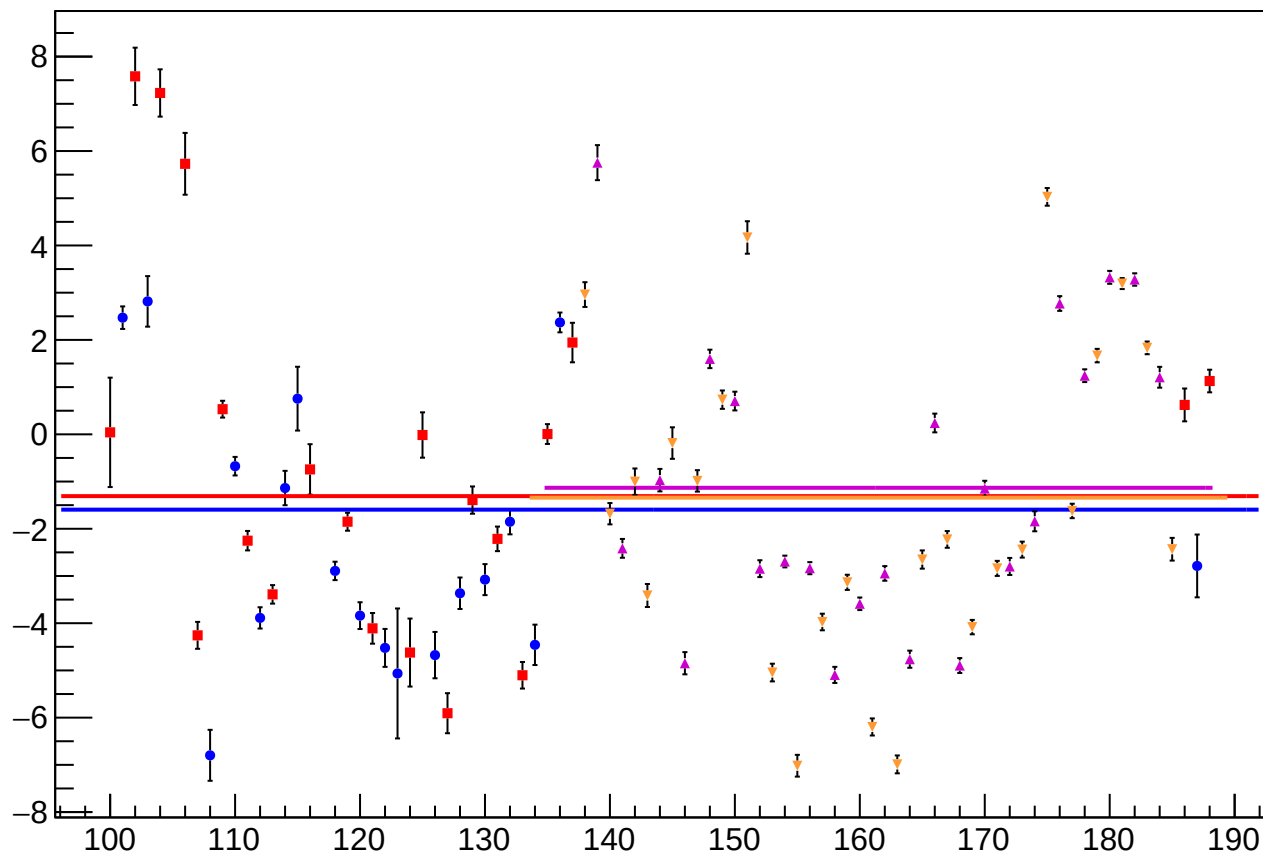
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 15.764 ± 0.037 $\chi^2/\text{NDF}: 112397.2/42$

All: 13.285 ± 0.024 $\chi^2/\text{NDF}: 231768.5/86$

- sign 11.378 ± 0.033 $\chi^2/\text{NDF}: 111494.4/43$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.595 ± 0.072 χ^2/NDF : 1251.0/17

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -1.308 ± 0.063 χ^2/NDF : 1627.1/20

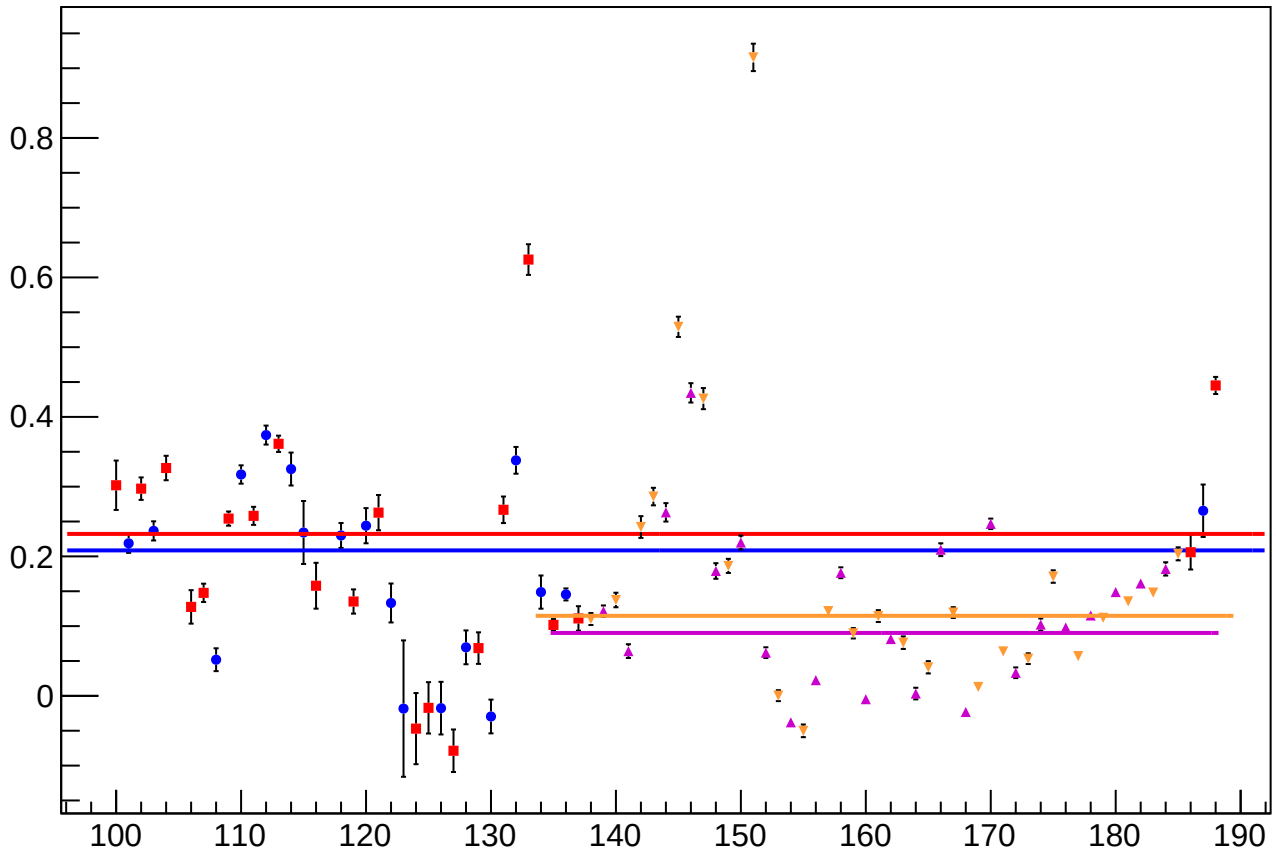
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.392 ± 0.033 χ^2/NDF : 9168.3/42

All: -1.276 ± 0.022 χ^2/NDF : 17534.0/86

- sign -1.173 ± 0.031 χ^2/NDF : 8341.6/43

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.209 ± 0.004 χ^2/NDF : 626.3/17

Left Out: 0.115 ± 0.002 χ^2/NDF : 4431.9/24

Right Out: 0.232 ± 0.004 χ^2/NDF : 1426.6/20

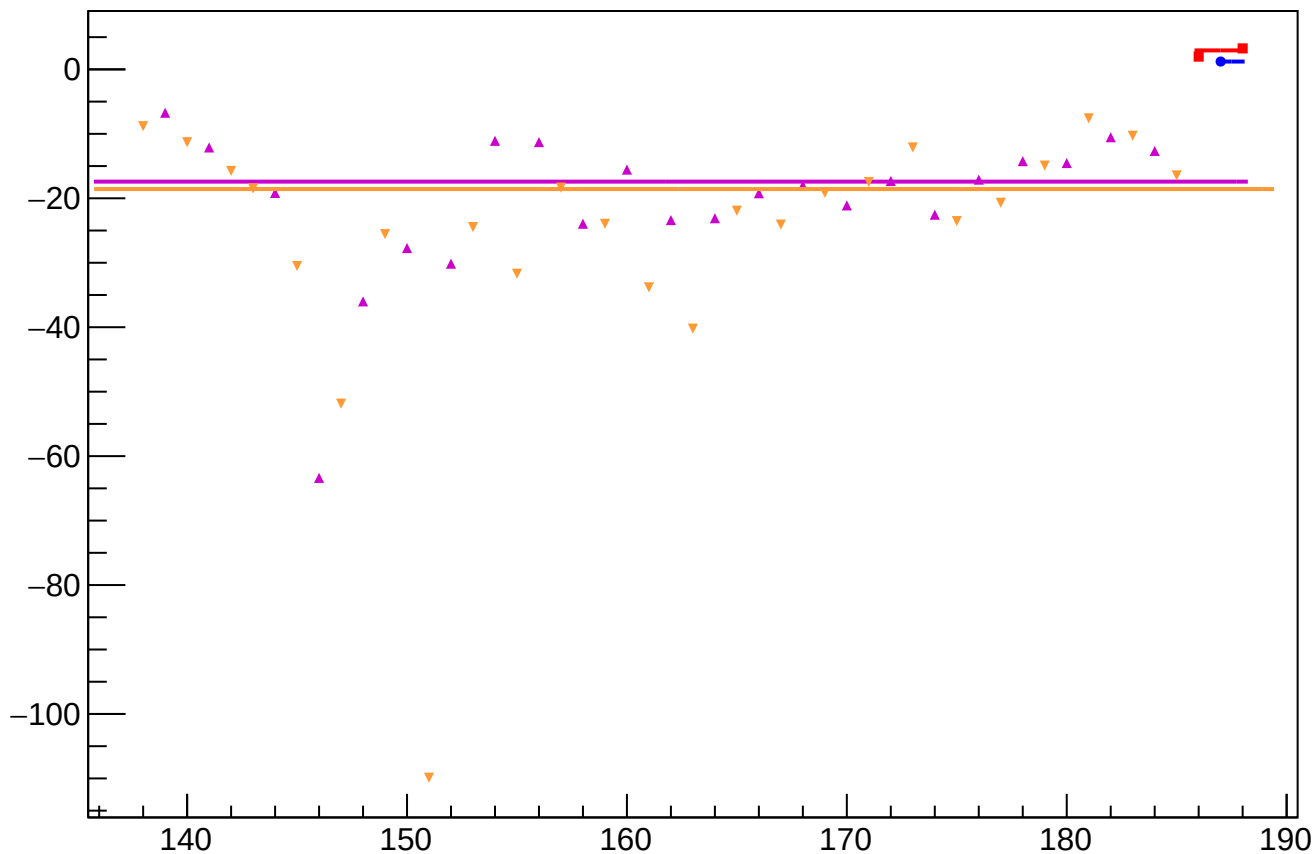
Left In: 0.090 ± 0.002 χ^2/NDF : 3676.5/22

+ sign 0.127 ± 0.002 χ^2/NDF : 5491.2/42

All: 0.119 ± 0.001 χ^2/NDF : 11985.2/86

- sign 0.113 ± 0.001 χ^2/NDF : 6444.4/43

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 1.216 ± 0.284 χ^2/NDF : 0.0/0

Left Out: -18.566 ± 0.040 χ^2/NDF : 86389.6/24

Right Out: 2.942 ± 0.096 χ^2/NDF : 32.8/1

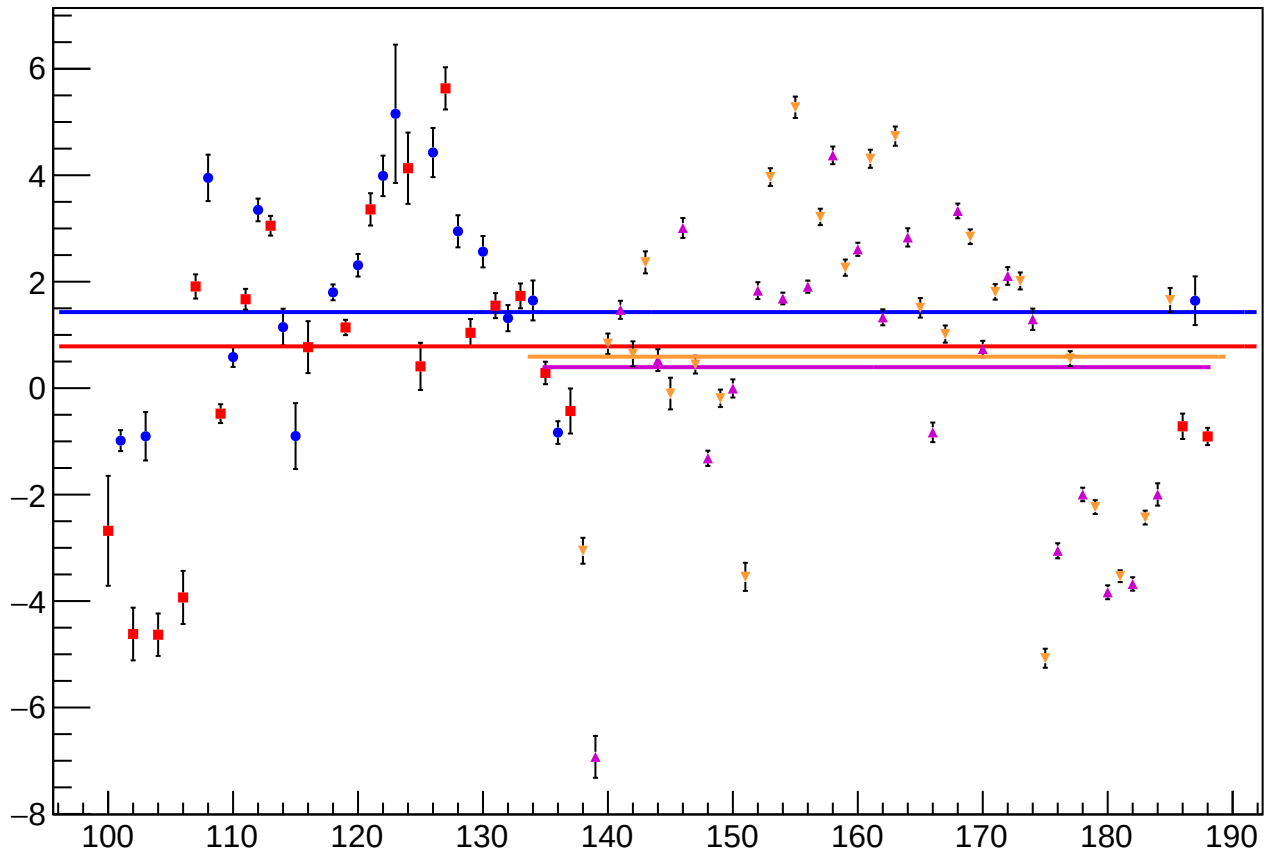
Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

+ sign -18.180 ± 0.040 χ^2/NDF : 91142.9/25

All: -16.177 ± 0.027 χ^2/NDF : 177820.1/50

- sign -14.496 ± 0.036 χ^2/NDF : 81996.6/24

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.429 $\pm$ 0.063 χ^2/NDF : 600.1/17

Left Out: 0.591 $\pm$ 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.785 $\pm$ 0.055 χ^2/NDF : 1093.3/20

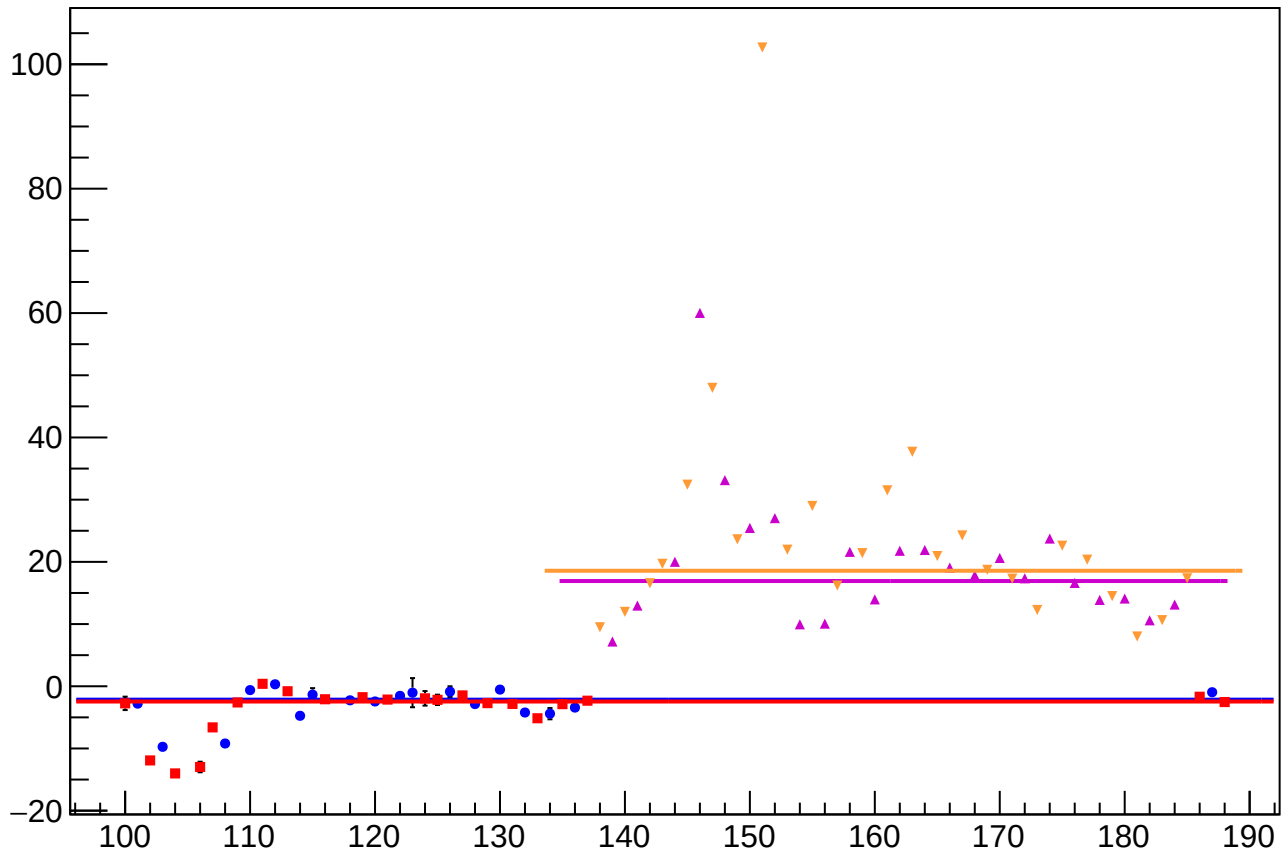
Left In: 0.394 $\pm$ 0.032 χ^2/NDF : 6059.8/22

+ sign 0.773 $\pm$ 0.029 χ^2/NDF : 7534.5/42

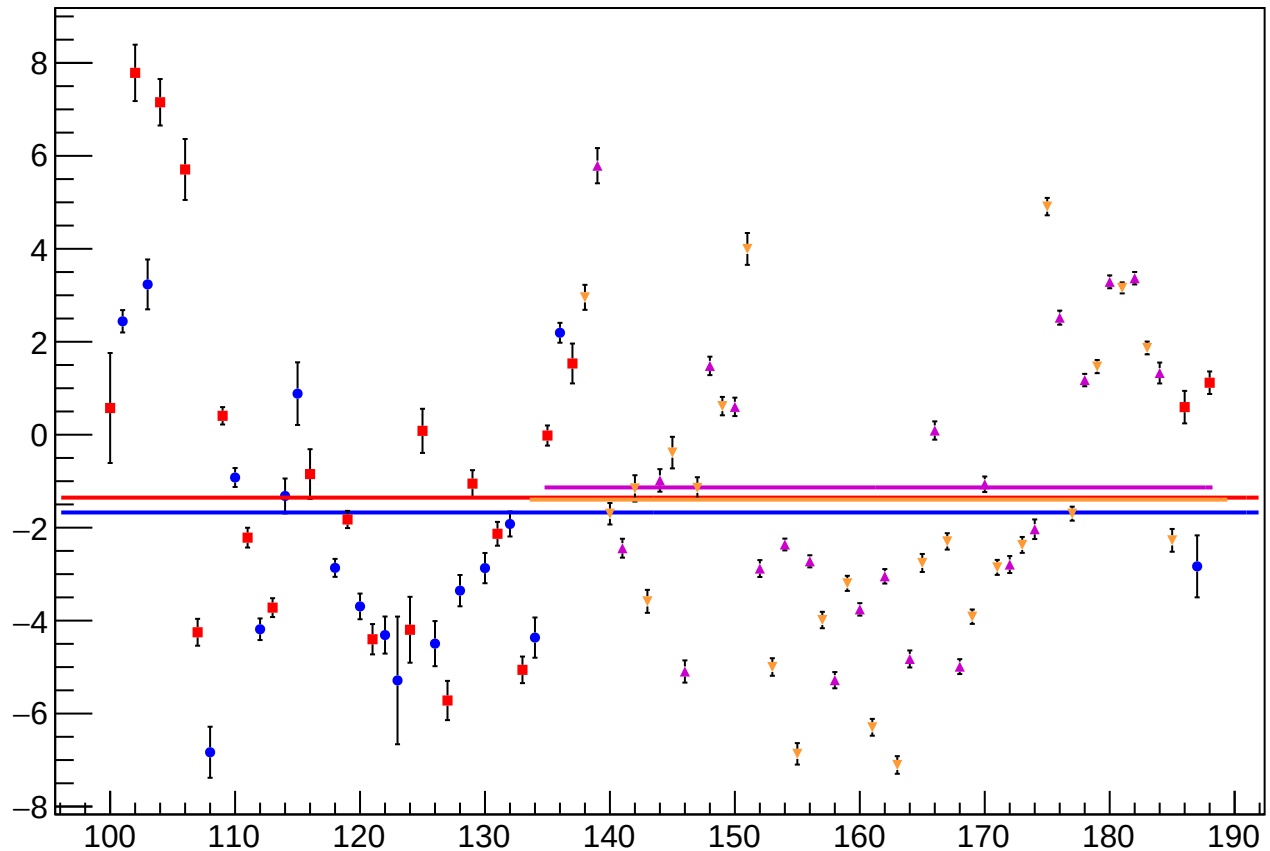
All: 0.623 $\pm$ 0.020 χ^2/NDF : 14774.4/86

- sign 0.492 $\pm$ 0.027 χ^2/NDF : 7191.3/43

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.673 ± 0.073 $\chi^2/\text{NDF}: 1194.0/17$

Left Out: -1.396 ± 0.037 $\chi^2/\text{NDF}: 7651.5/24$

Right Out: -1.353 ± 0.064 $\chi^2/\text{NDF}: 1599.0/20$

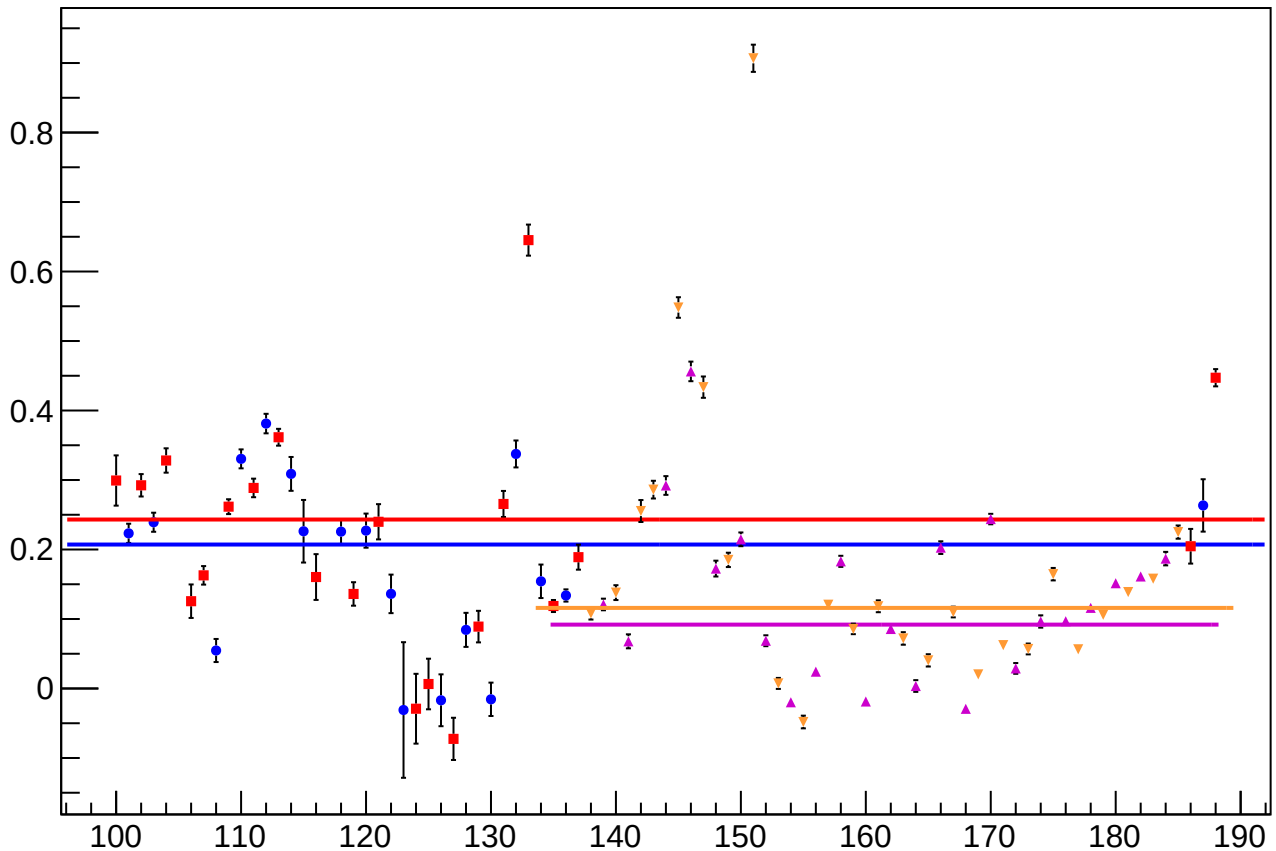
Left In: -1.135 ± 0.035 $\chi^2/\text{NDF}: 6597.7/22$

+ sign -1.453 ± 0.033 $\chi^2/\text{NDF}: 8857.0/42$

All: -1.310 ± 0.023 $\chi^2/\text{NDF}: 17097.8/86$

- sign -1.185 ± 0.031 $\chi^2/\text{NDF}: 8205.6/43$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.207 ± 0.004 $\chi^2/\text{NDF}: 627.5/17$

Left Out: 0.116 ± 0.002 $\chi^2/\text{NDF}: 4463.0/24$

Right Out: 0.243 ± 0.004 $\chi^2/\text{NDF}: 1291.0/20$

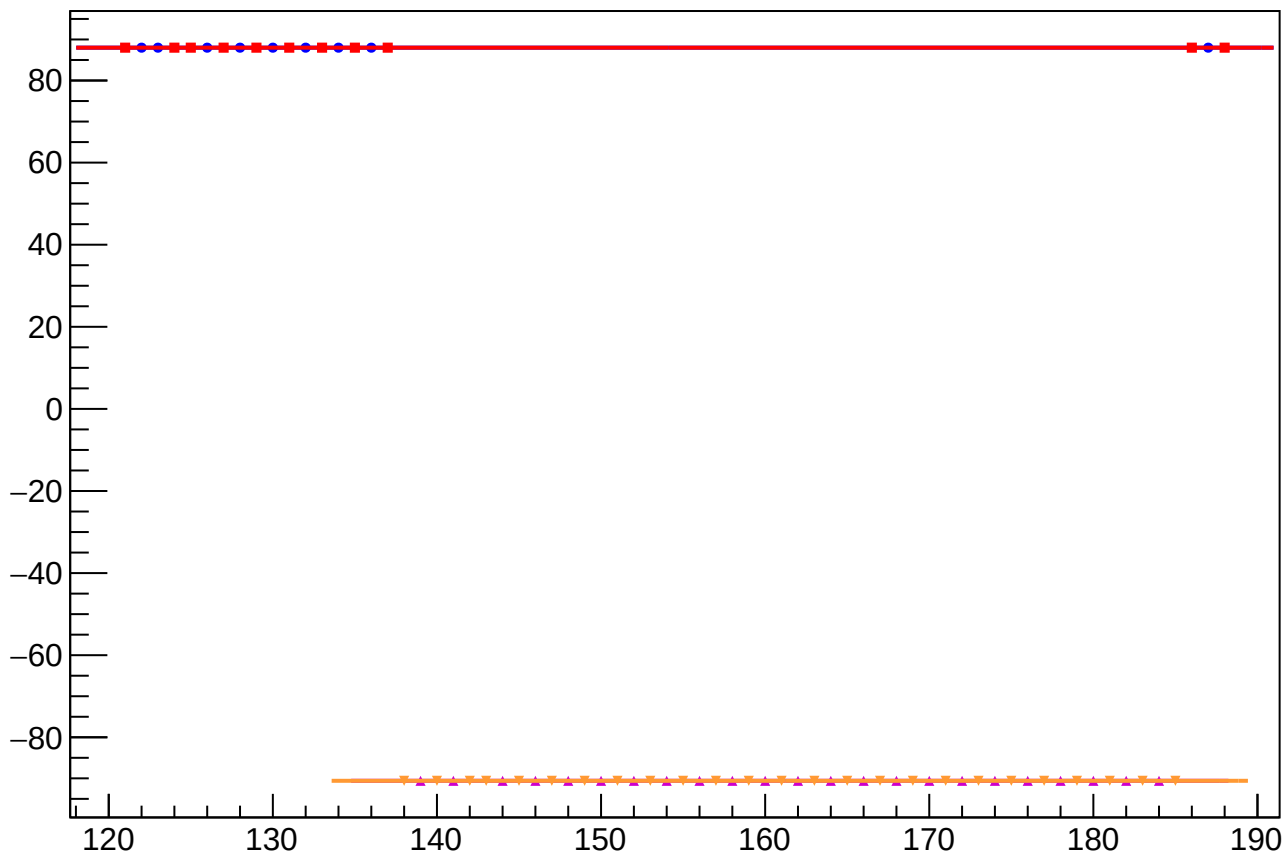
Left In: 0.092 ± 0.002 $\chi^2/\text{NDF}: 3631.4/22$

+ sign 0.128 ± 0.002 $\chi^2/\text{NDF}: 5489.4/42$

All: 0.121 ± 0.001 $\chi^2/\text{NDF}: 11916.3/86$

- sign 0.115 ± 0.001 $\chi^2/\text{NDF}: 6390.7/43$

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 661381.0/8

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 211440.0/10

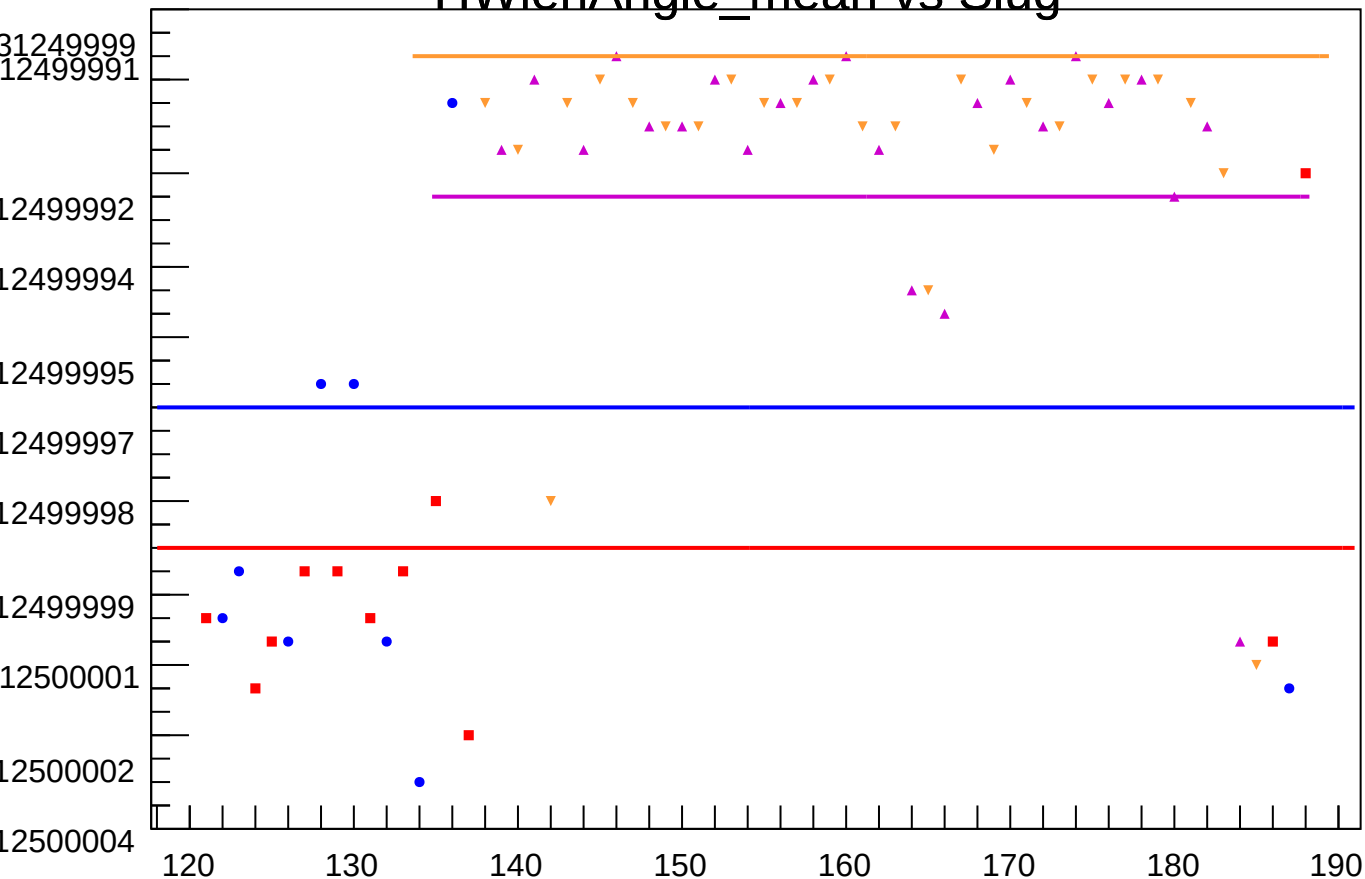
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -62.607+/-0.000 χ^2/NDF : 954896767240617

All: -58.866+/-0.000 χ^2/NDF : 210891970308

- sign -55.116+/-0.000 χ^2/NDF : 1147675898072564

HWienAngle_mean vs Slug



Right In: -29.641 ± 0.000 χ^2/NDF : 431336.5/8

Left Out: -29.641 ± 0.000 χ^2/NDF : 654199.2/24

Right Out: -29.641 ± 0.000 χ^2/NDF : 352399.9/10

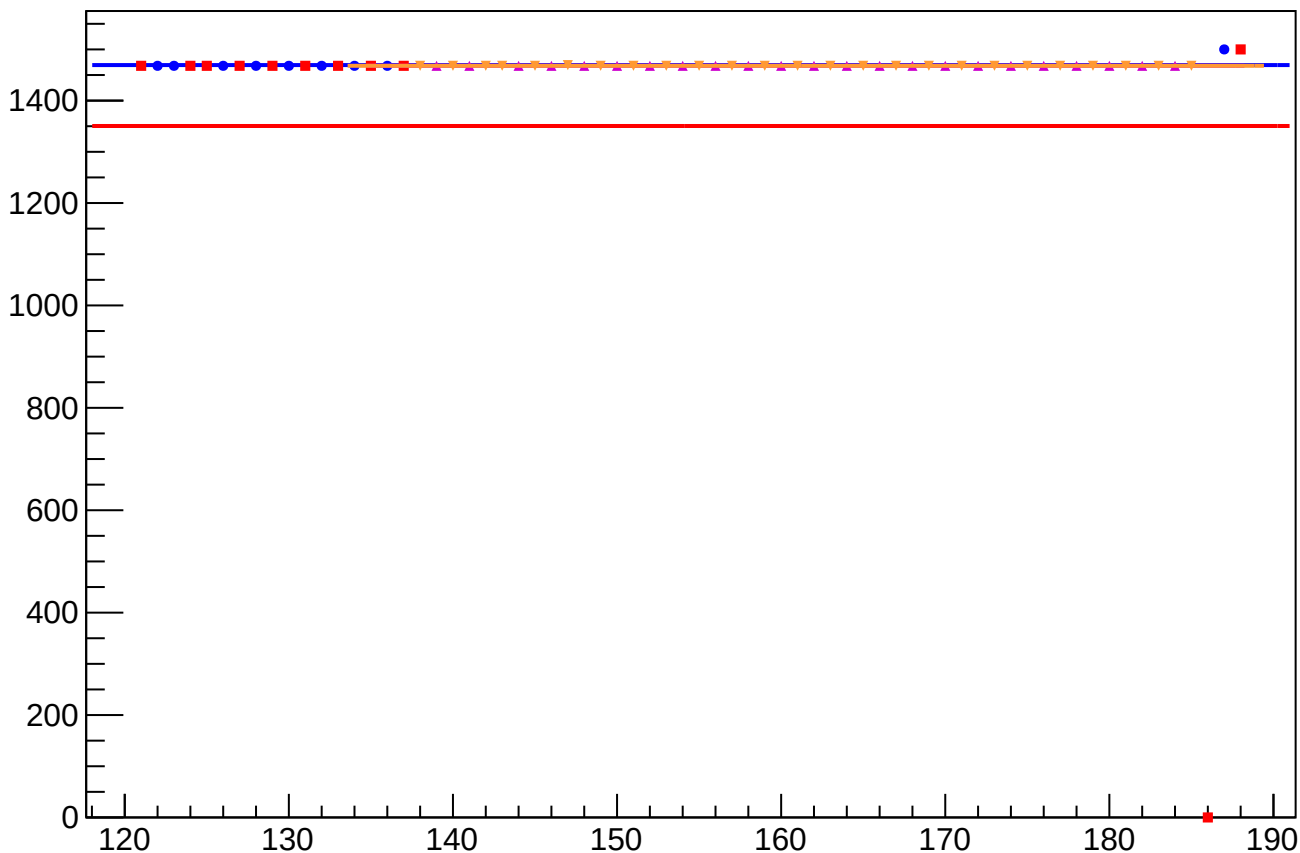
Left In: -29.641 ± 0.000 χ^2/NDF : 511825.6/22

+ sign -29.641 ± 0.000 χ^2/NDF : 1629887.6/33

All: -29.641 ± 0.000 χ^2/NDF : 4199617.8/67

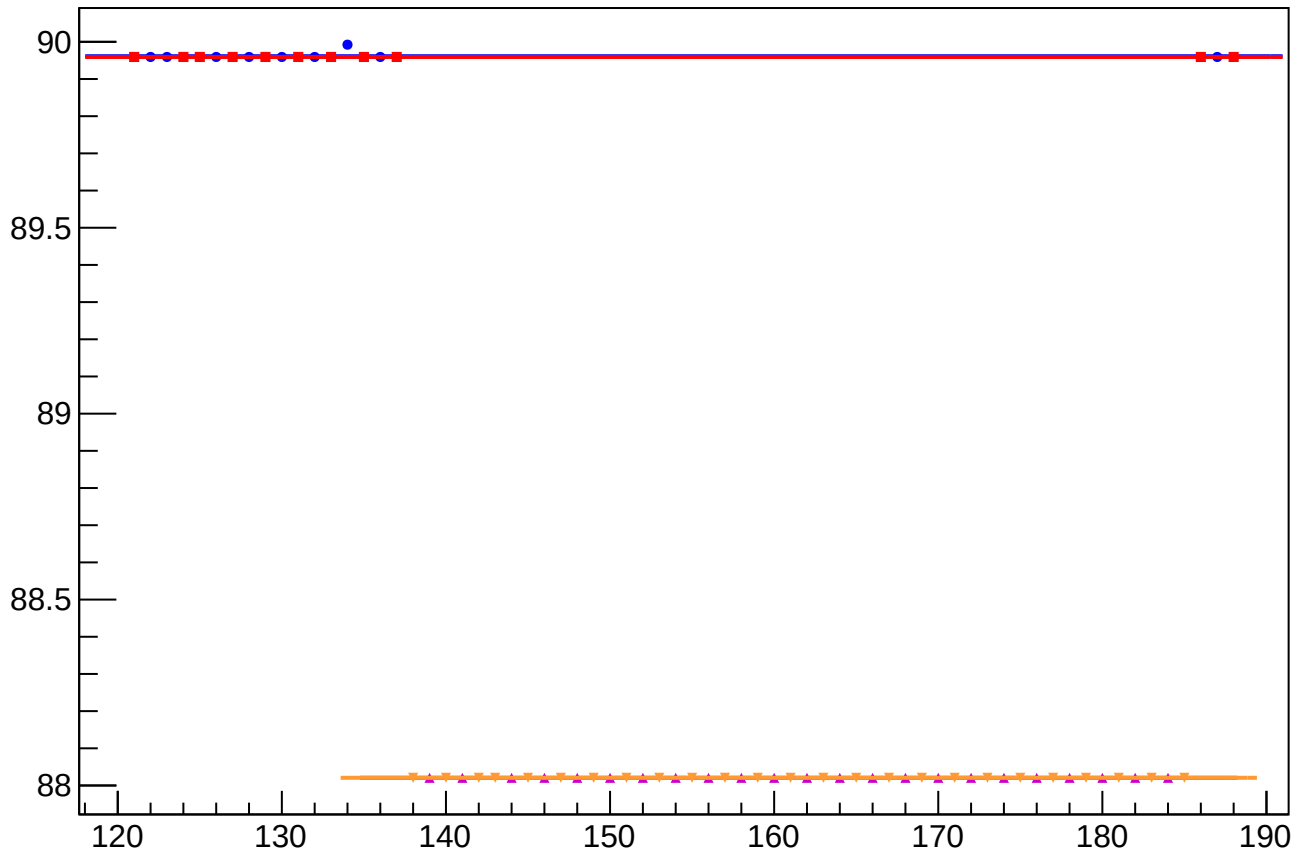
- sign -29.641 ± 0.000 χ^2/NDF : 1916944.6/33

psub_pl_pos_mean vs Slug



Right In: 1469.423+/-0.000 χ^2/NDF : 15666505254721321231066247821524992.0/8
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24
 Right Out: 1350.445+/-0.000 χ^2/NDF : 75781328288501182140186914980007772160.0/10
 Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22
 All: 1456.465+/-0.000 χ^2/NDF : 81400531736
 + sign 1468.263+/-0.000 χ^2/NDF : 16360229639612
 - sign 1444.640+/-0.000 χ^2/NDF : 80752871228683

Phi_FG_mean vs Slug



Right In: 89.961 $\pm$ 0.000 χ^2 /NDF: 21580216386362613205223604224.0/8

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5326388.8/24

Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 1123842.8/10

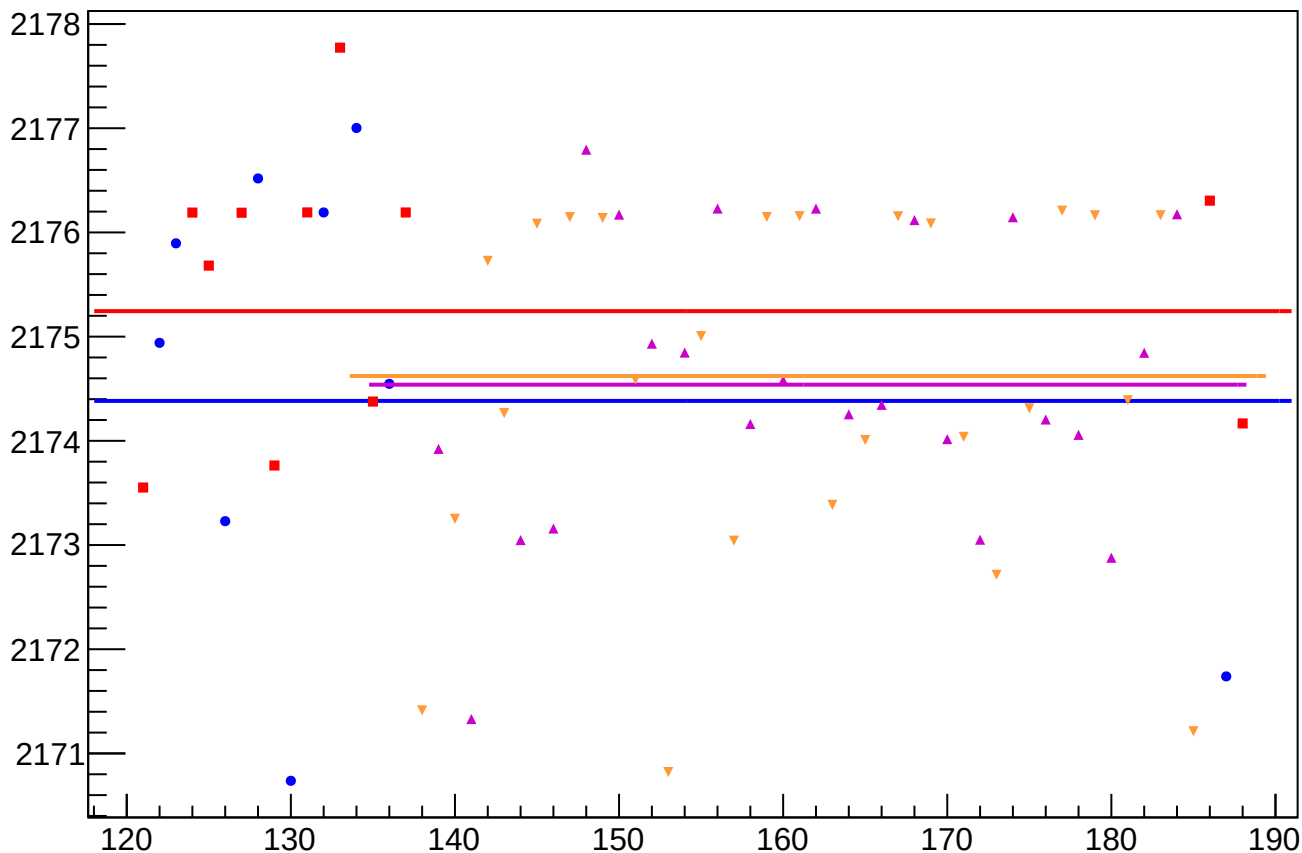
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6084099.2/22

+ sign 88.325 $\pm$ 0.000 χ^2 /NDF: 1127329701318649

All: 88.365 $\pm$ 0.000 χ^2 /NDF: 2486917245942

- sign 88.406 $\pm$ 0.000 χ^2 /NDF: 1352165866701614

HALLA_p_mean vs Slug



Right In: 2174.383 $\pm$ 0.000 χ^2 /NDF: 1405796628819333801699379119128576.0/8

Left Out: 2174.622 $\pm$ 0.000 χ^2 /NDF: 5110578135476093110874911595823104.0/24

Right Out: 2175.245 $\pm$ 0.000 χ^2 /NDF: 773542983754432662898103761764352.0/10

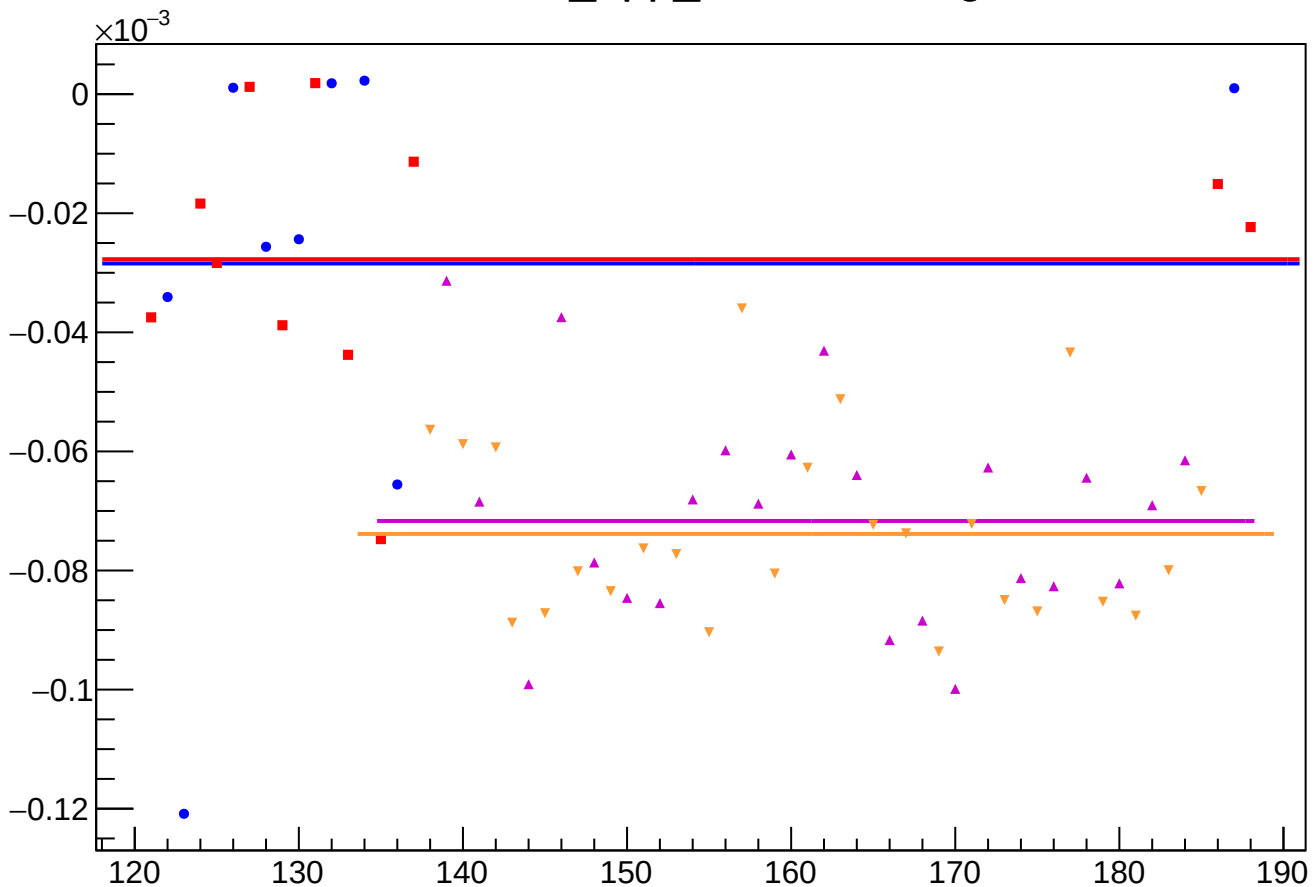
Left In: 2174.539 $\pm$ 0.000 χ^2 /NDF: 3400742562425168967494665391570944.0/22

+ sign 2174.585 $\pm$ 0.000 χ^2 /NDF: 65334479293596

All: 2174.632 $\pm$ 0.000 χ^2 /NDF: 10897060978

- sign 2174.679 $\pm$ 0.000 χ^2 /NDF: 43534860956490

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 263143887445358798700544.0/8

Left Out: -0.000+/-0.000 χ^2/NDF : 450400934180541069000704.0/24

Right Out: -0.000+/-0.000 χ^2/NDF : 207362101773390716076032.0/10

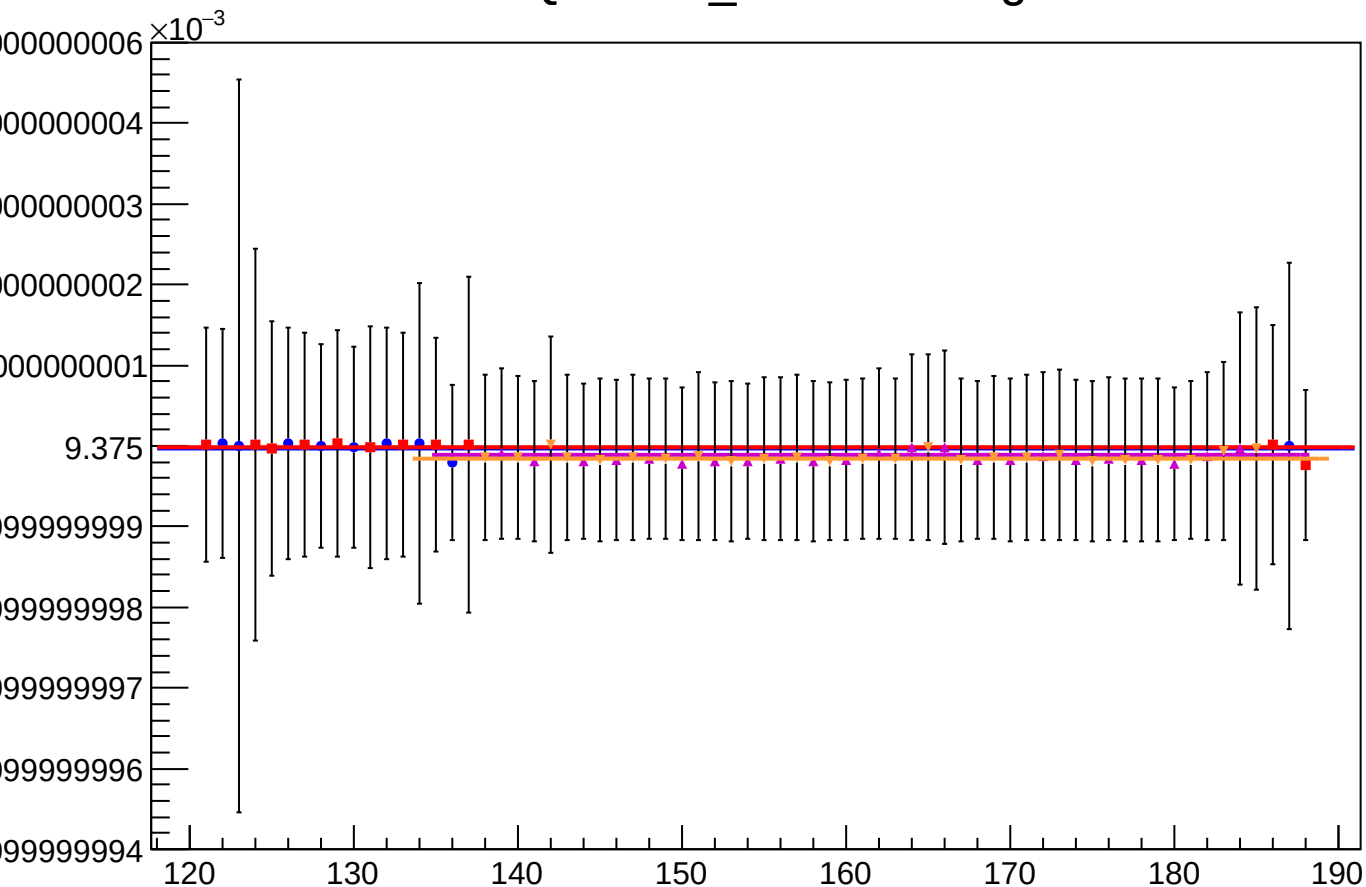
Left In: -0.000+/-0.000 χ^2/NDF : 562166279020739416817664.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 1331228647841289

All: -0.000+/-0.000 χ^2/NDF : 2812396087006

- sign -0.000+/-0.000 χ^2/NDF : 14649027655187863

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/10

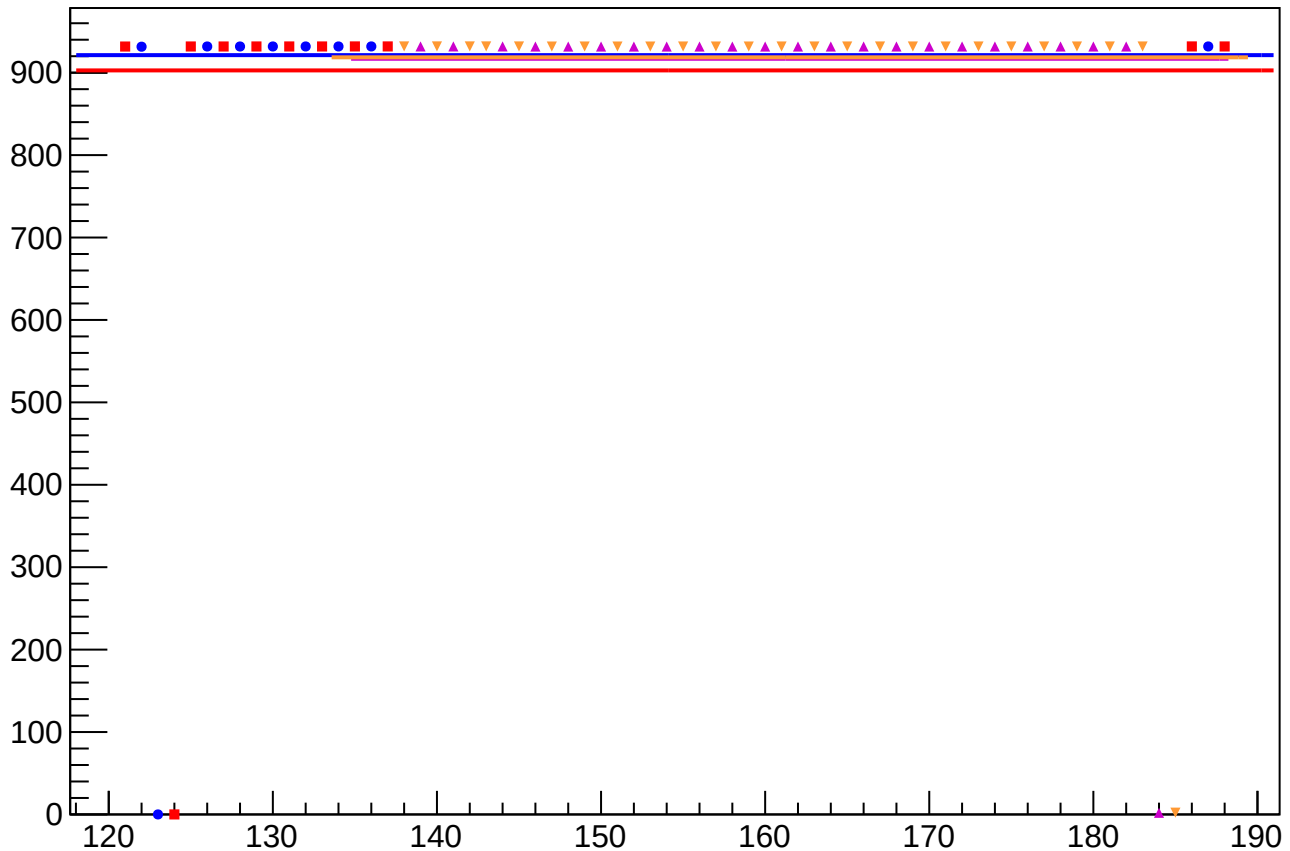
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/67

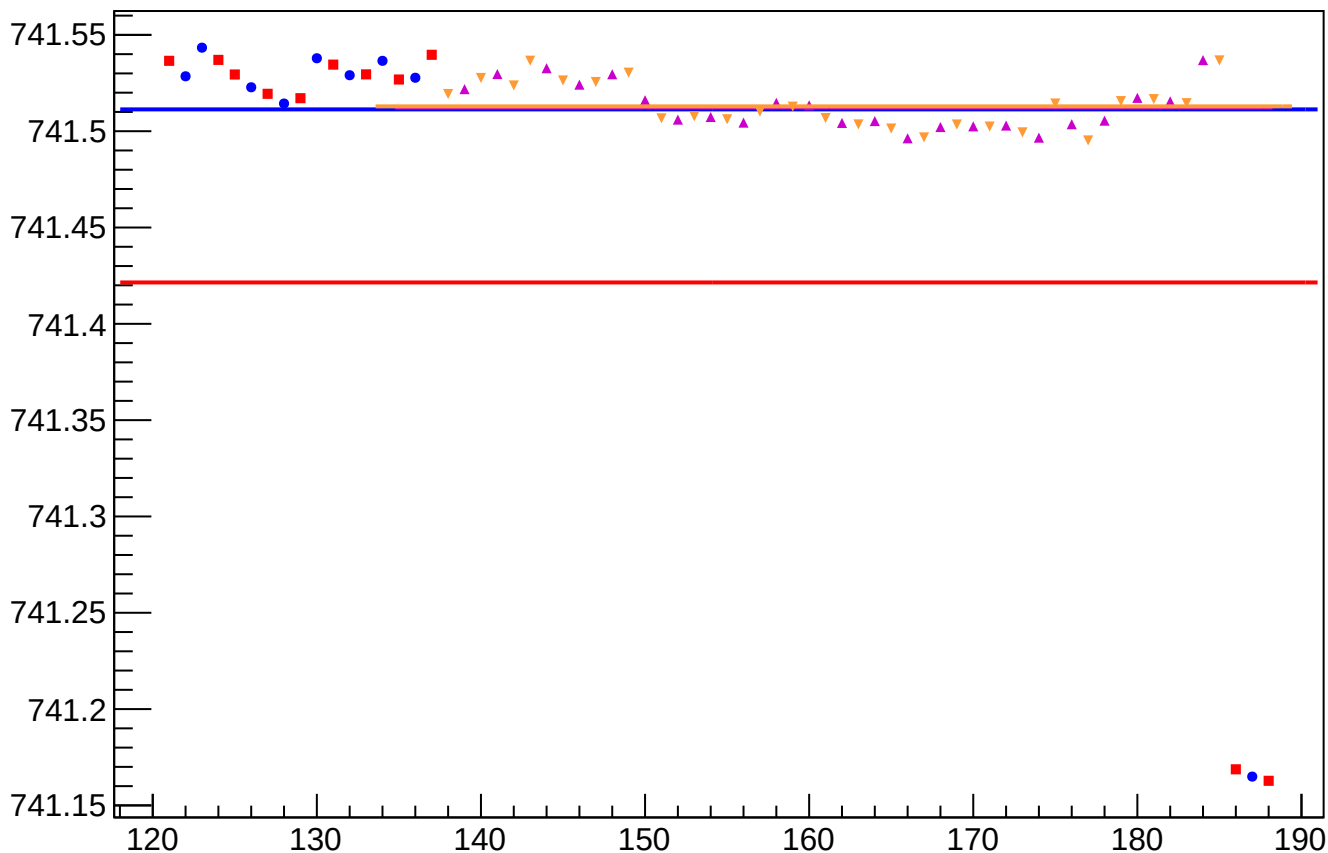
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 921.299+/-0.000 χ^2/NDF : 3433629787852226580171132971576721408.0/8
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 902.771+/-0.000 χ^2/NDF : 11776332241728664089316920406025699328.0/10
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22
 All: 916.575+/-0.000 χ^2/NDF : 629831917492
 + sign 919.061+/-0.000 χ^2/NDF : 264392373156556
 - sign 914.085+/-0.000 χ^2/NDF : 365159458009443

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.511+/-0.000 χ^2/NDF : 2028616892104374725962348101632.0/8

Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24

Right Out: 741.421+/-0.000 χ^2/NDF : 12365524190581469761062494535680.0/10

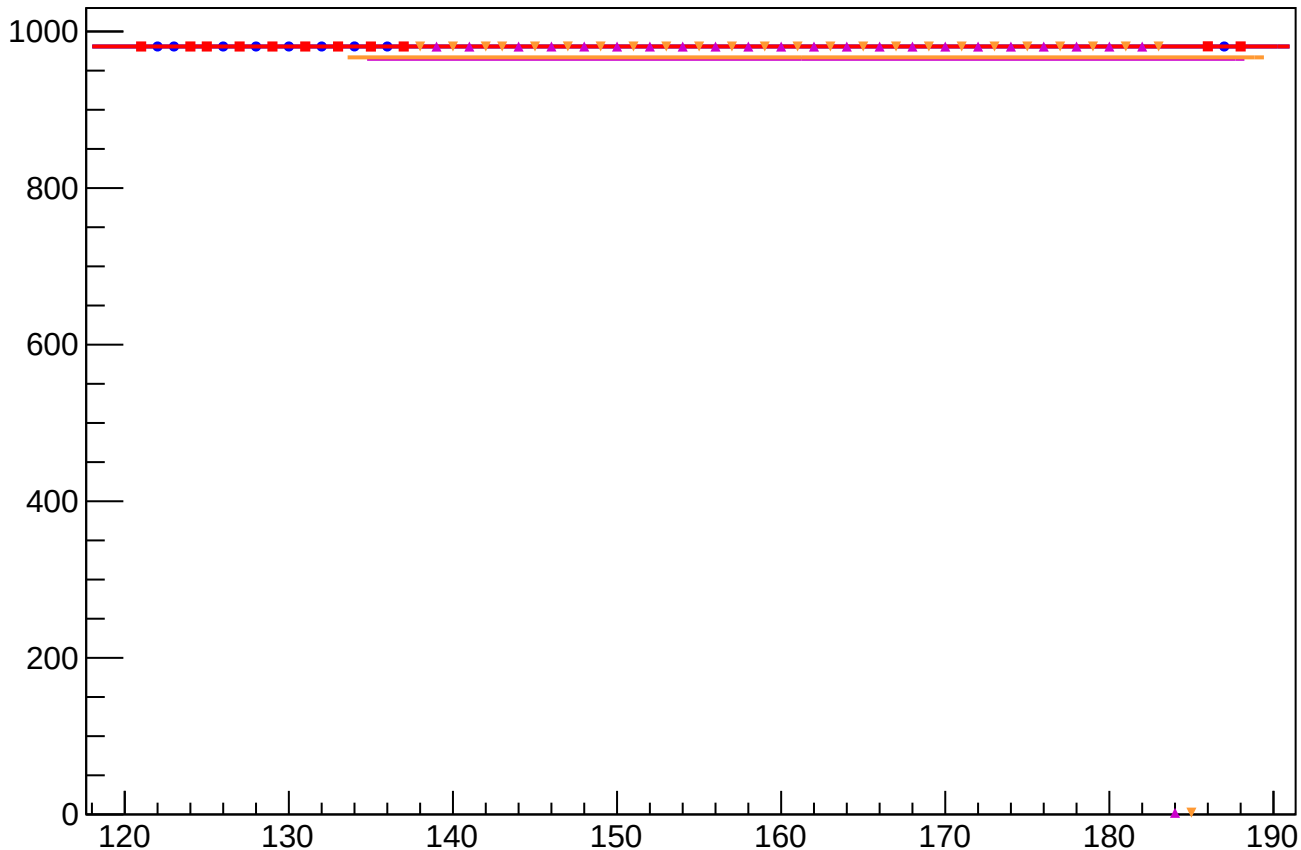
Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 741.513+/-0.000 χ^2/NDF : 227413402685969

All: 741.503+/-0.000 χ^2/NDF : 182055167759

- sign 741.494+/-0.000 χ^2/NDF : 155491941485497

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000 χ^2/NDF : 163223523601942808368343154688.0/8

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.851+/-0.000 χ^2/NDF : 1772402309418359579980358221824.0/10

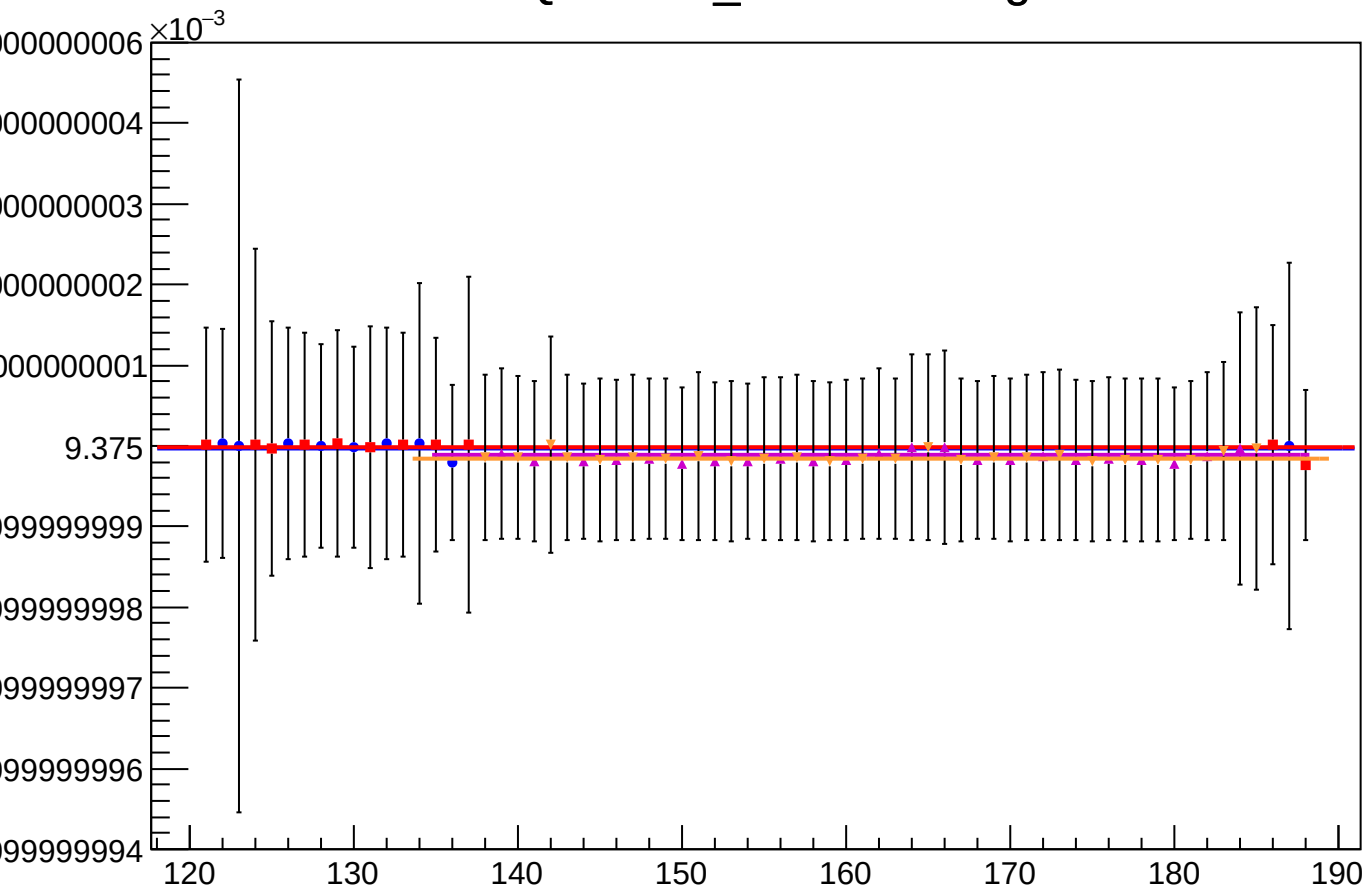
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 969.113+/-0.000 χ^2/NDF : 255433233667671

All: 968.672+/-0.000 χ^2/NDF : 52963767693

- sign 968.231+/-0.000 χ^2/NDF : 274195648425599

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/10

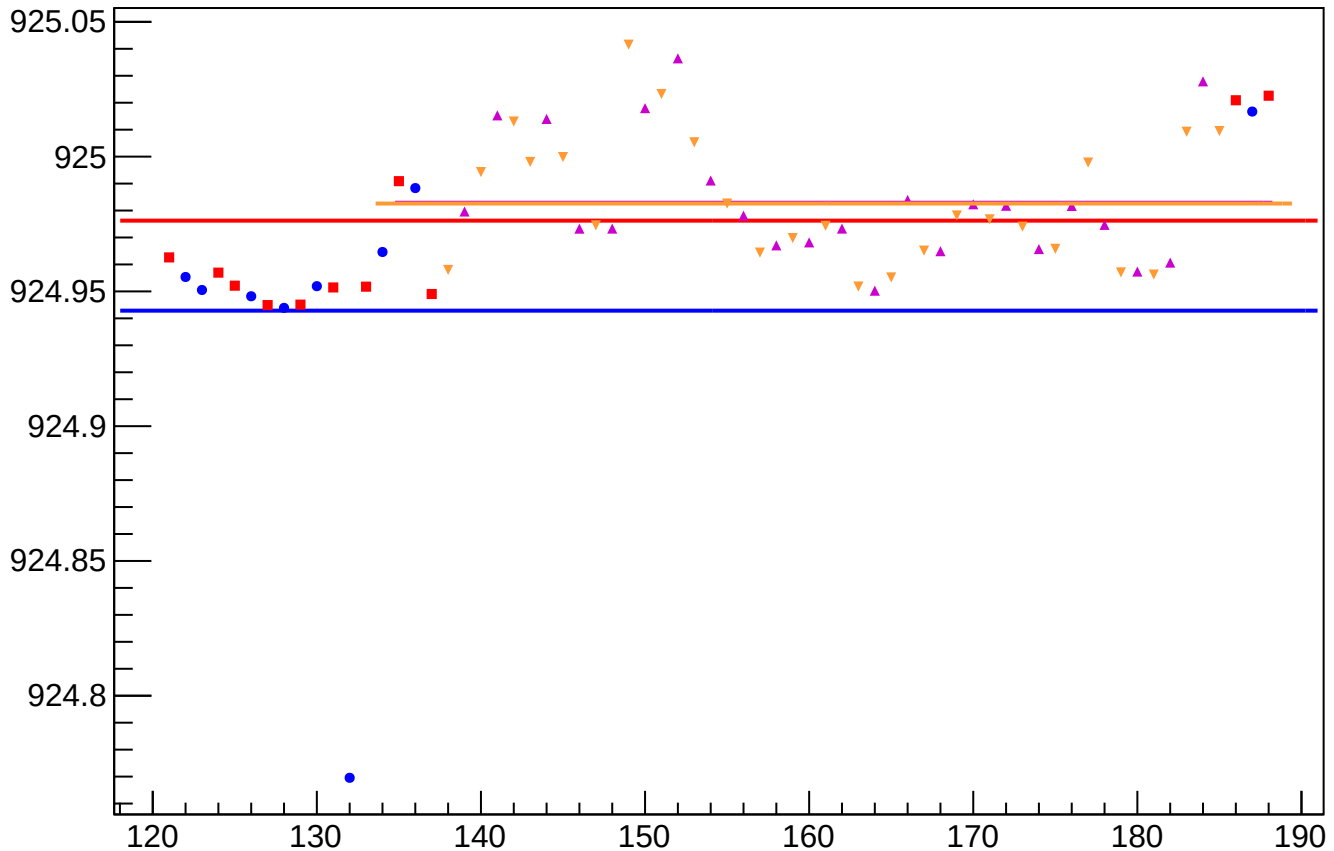
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/67

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.943 $\pm$ 0.000 χ^2 /NDF: 1492790451787397840510971281408.0/8

Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24

Right Out: 924.976 $\pm$ 0.000 χ^2 /NDF: 465046893580902941397841084416.0/10

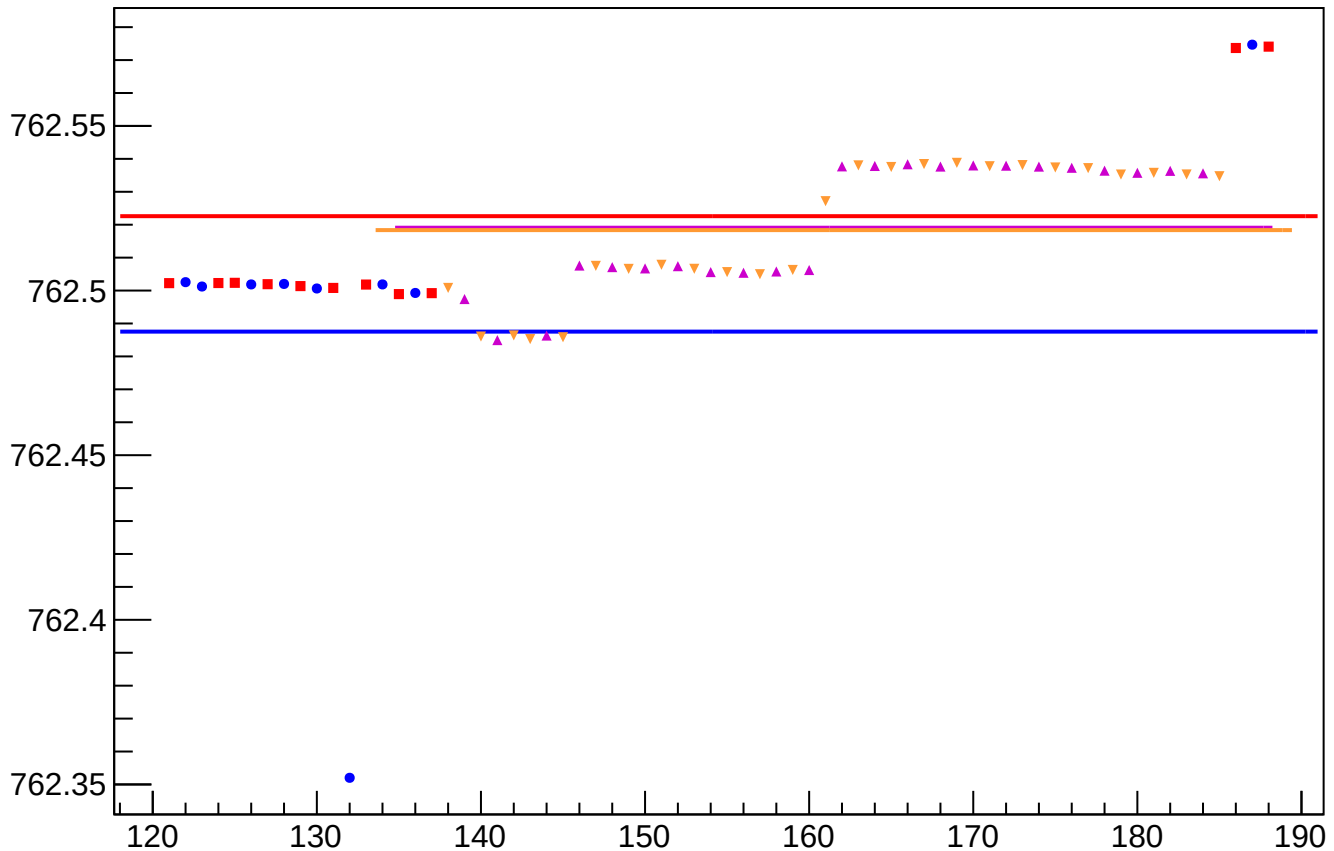
Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22

+ sign 924.976 $\pm$ 0.000 χ^2 /NDF: 300749472634088

All: 924.979 $\pm$ 0.000 χ^2 /NDF: 440759247604

- sign 924.982 $\pm$ 0.000 χ^2 /NDF: 136946308771397

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.488 $\pm$ 0.000 χ^2 /NDF: 910710279635233688195426156544.0/8

Left Out: 762.518 $\pm$ 0.000 χ^2 /NDF: 731741258759628909874415403008.0/24

Right Out: 762.523 $\pm$ 0.000 χ^2 /NDF: 493880802026286301529266716672.0/10

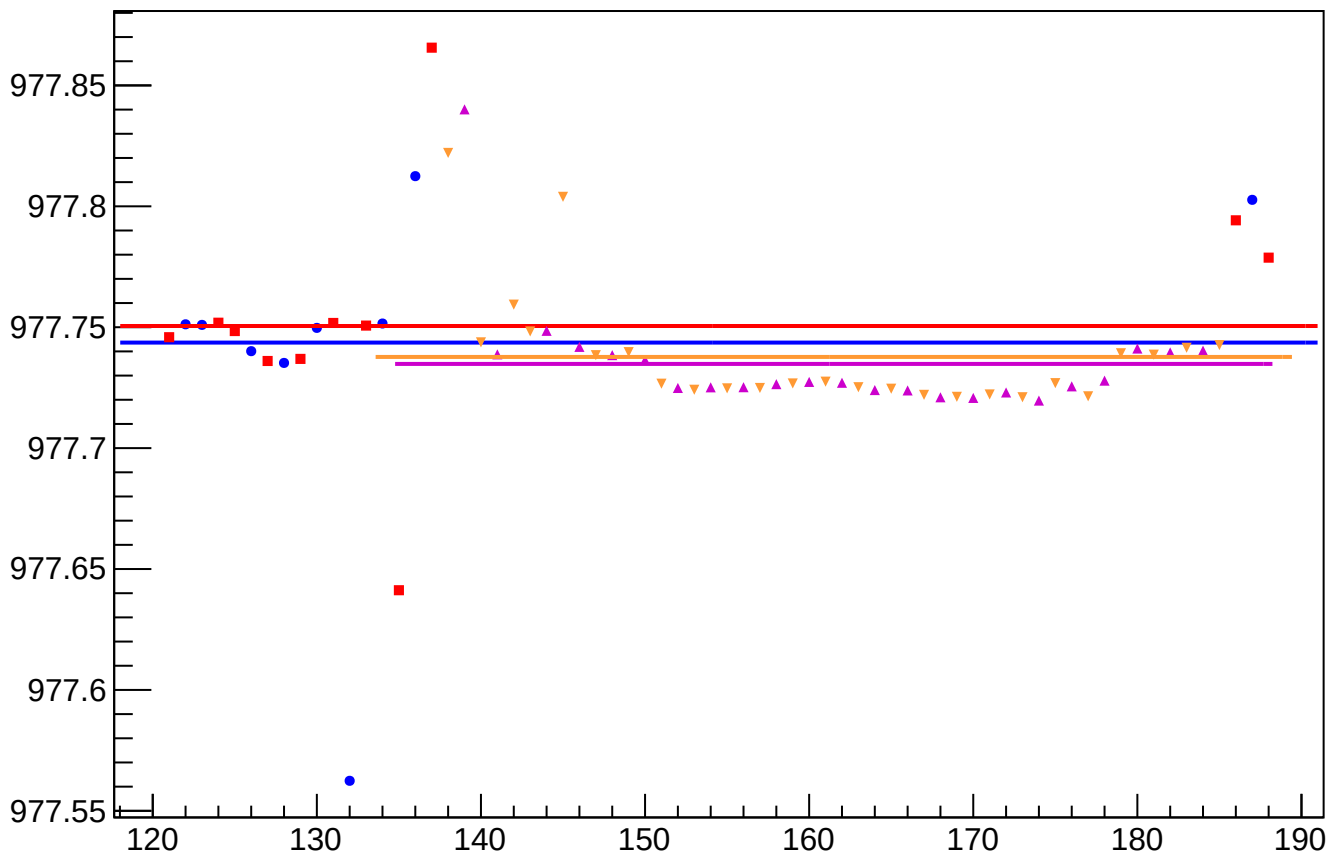
Left In: 762.519 $\pm$ 0.000 χ^2 /NDF: 629058355419214408155297480704.0/22

+ sign 762.514 $\pm$ 0.000 χ^2 /NDF: 192697190426807

All: 762.517 $\pm$ 0.000 χ^2 /NDF: 309856938557

- sign 762.520 $\pm$ 0.000 χ^2 /NDF: 112736550242815

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.744 $\pm$ 0.000 χ^2/NDF : 1796434142186154749184889061376.0/8

Left Out: 977.738 $\pm$ 0.000 χ^2/NDF : 1154150409979077132991401558016.0/24

Right Out: 977.751 $\pm$ 0.000 χ^2/NDF : 978503395733679533050610843648.0/10

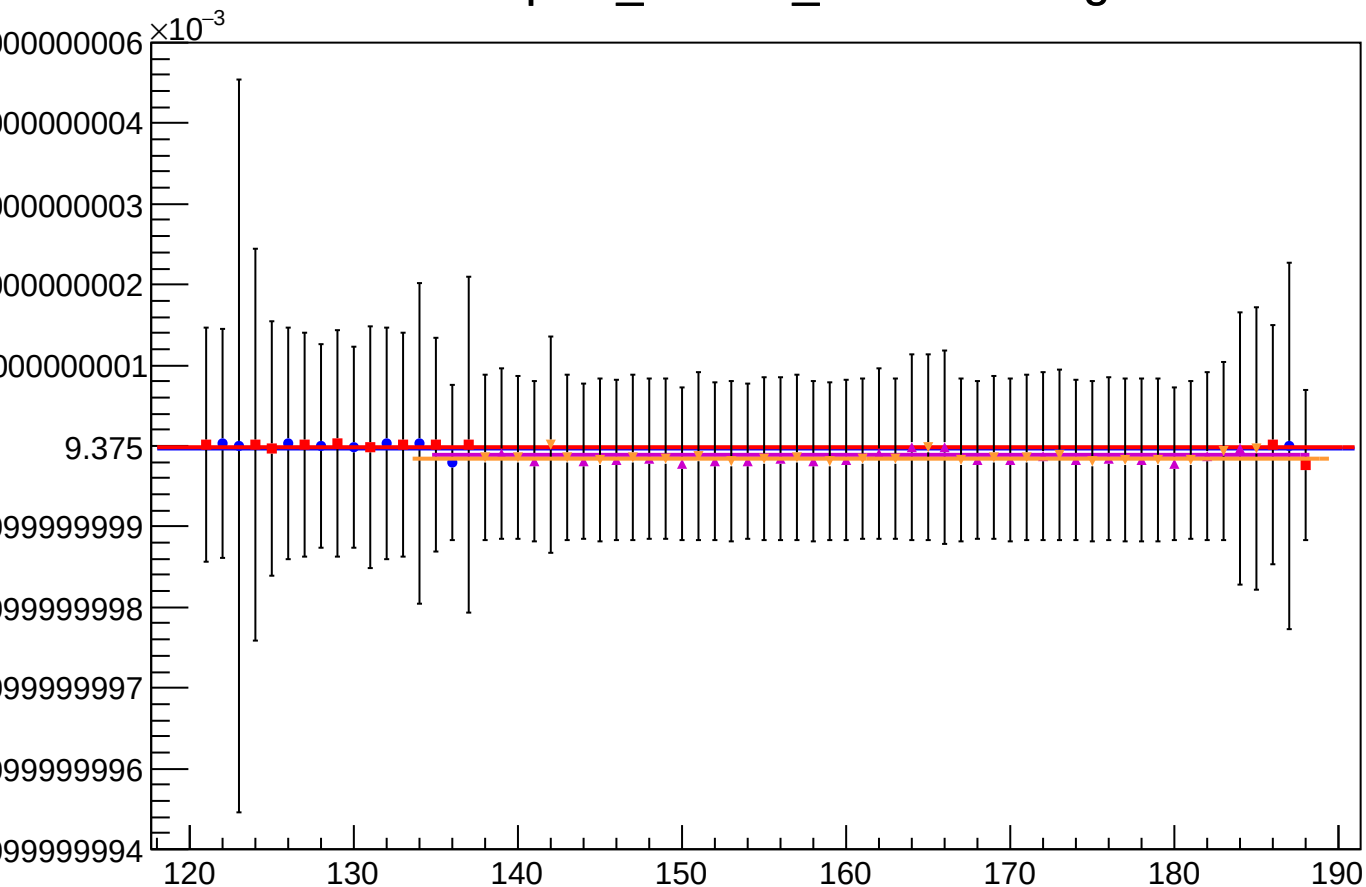
Left In: 977.735 $\pm$ 0.000 χ^2/NDF : 976503887937607318263199432704.0/22

+ sign 977.739 $\pm$ 0.000 χ^2/NDF : 296113586993142

All: 977.738 $\pm$ 0.000 χ^2/NDF : 500516970710

- sign 977.738 $\pm$ 0.000 χ^2/NDF : 204347347046730

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/10

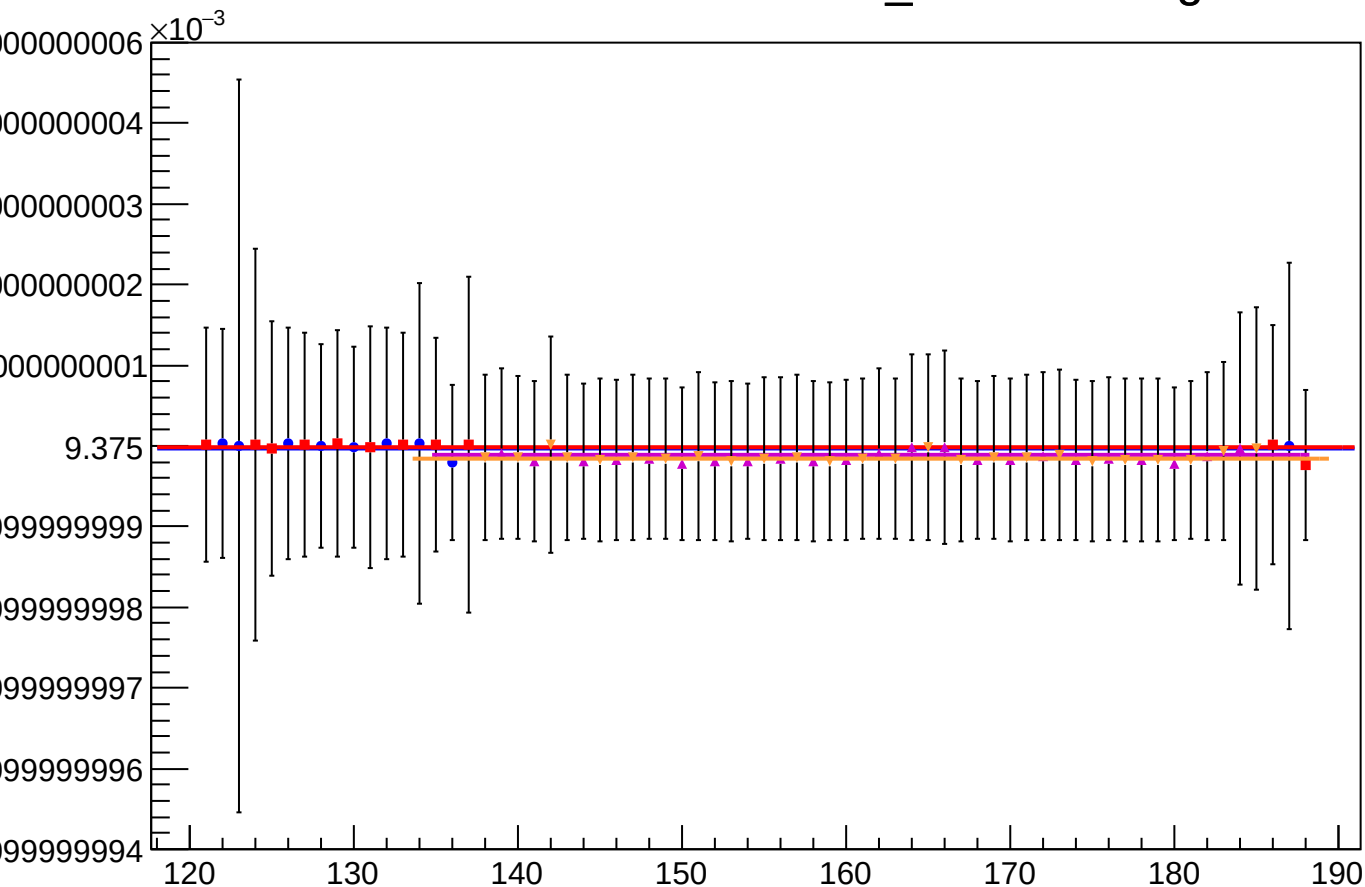
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/67

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/10

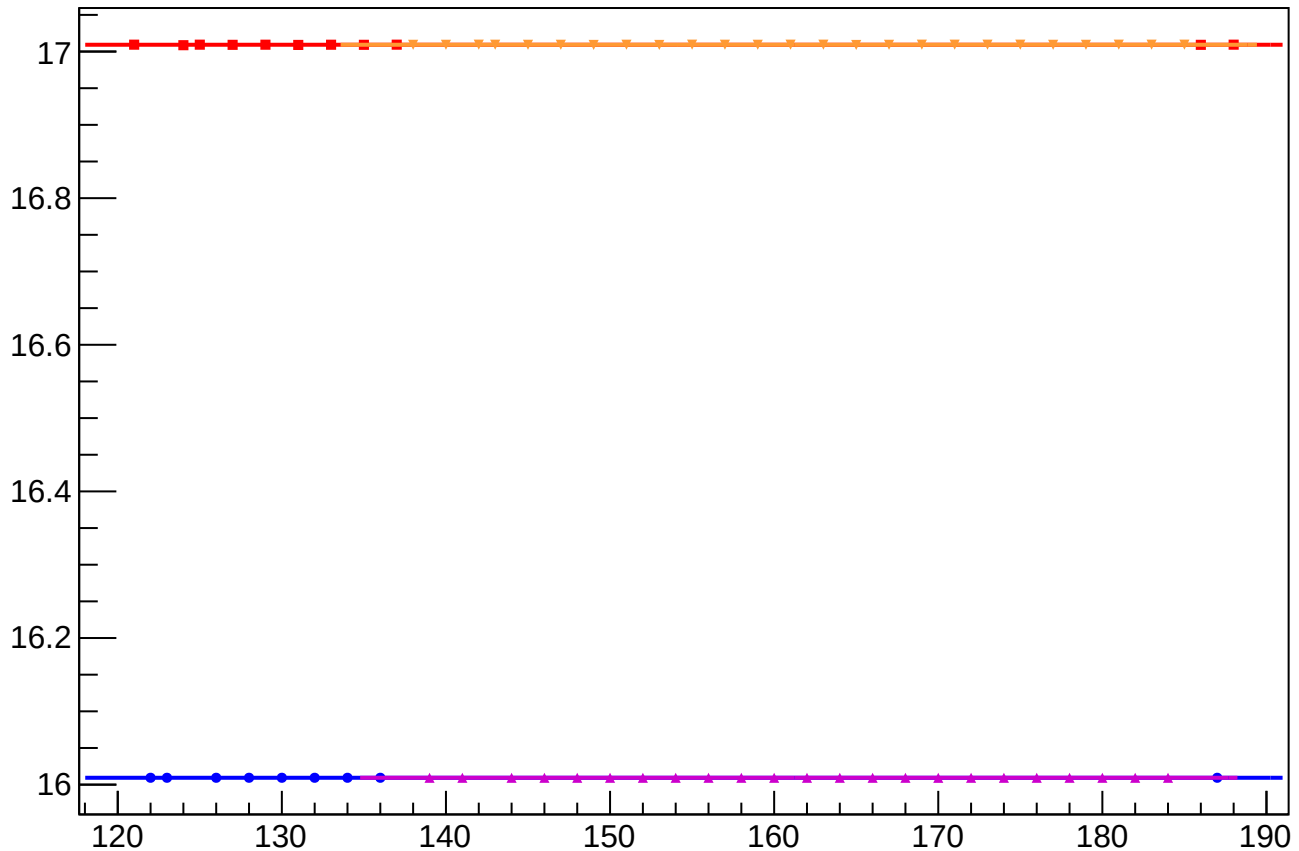
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/67

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 45981.1/8

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 26284444608576238643052544.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 9986180366773979357118464.0/10

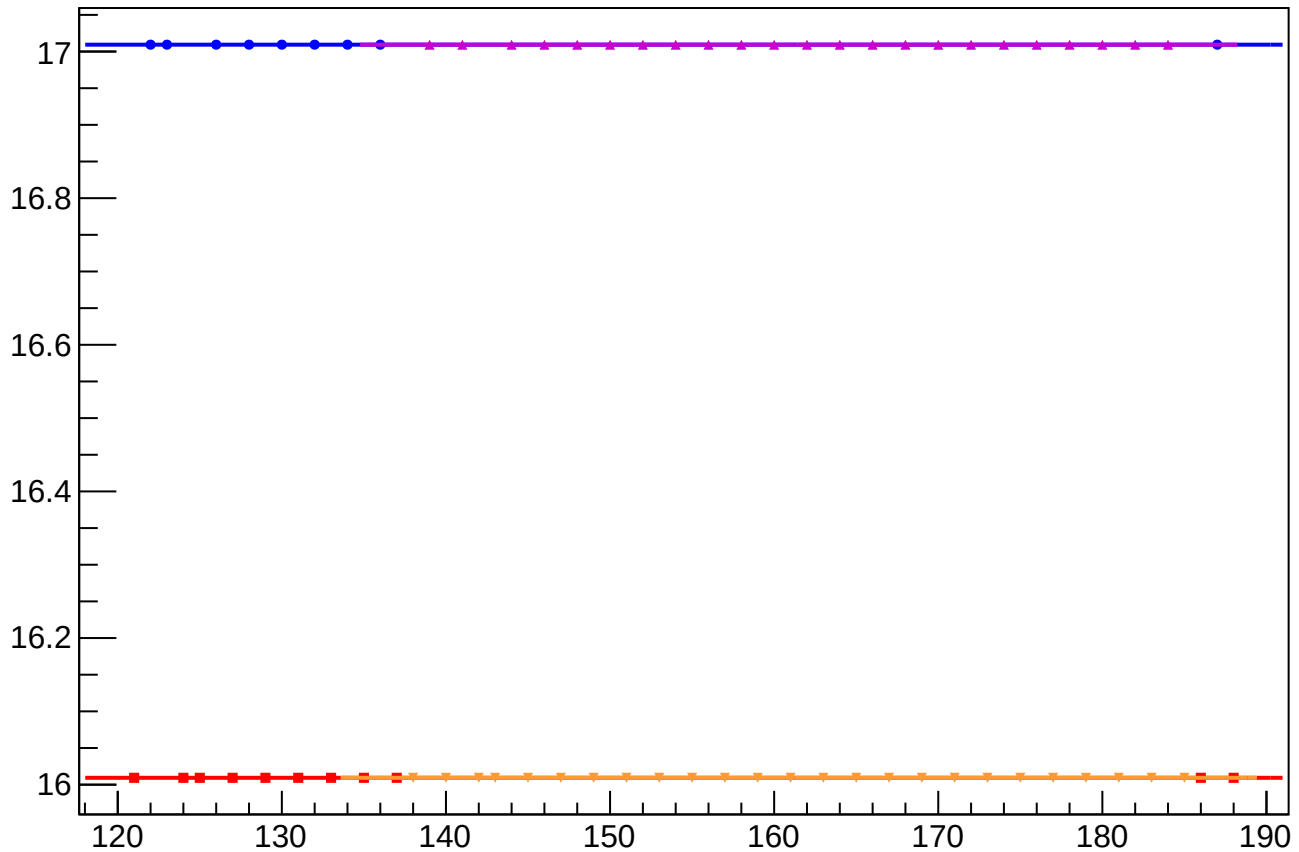
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 127973174512756677672960.0/22

+ sign 16.853 $\pm$ 0.000 χ^2/NDF : 2774940944678575

All: 16.533 $\pm$ 0.000 χ^2/NDF : 1052496550488

- sign 16.214 $\pm$ 0.000 χ^2/NDF : 3443188543693680

IGL1I00OD16_16_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 77371.5/8

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 89740.8/24

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 144834.9/10

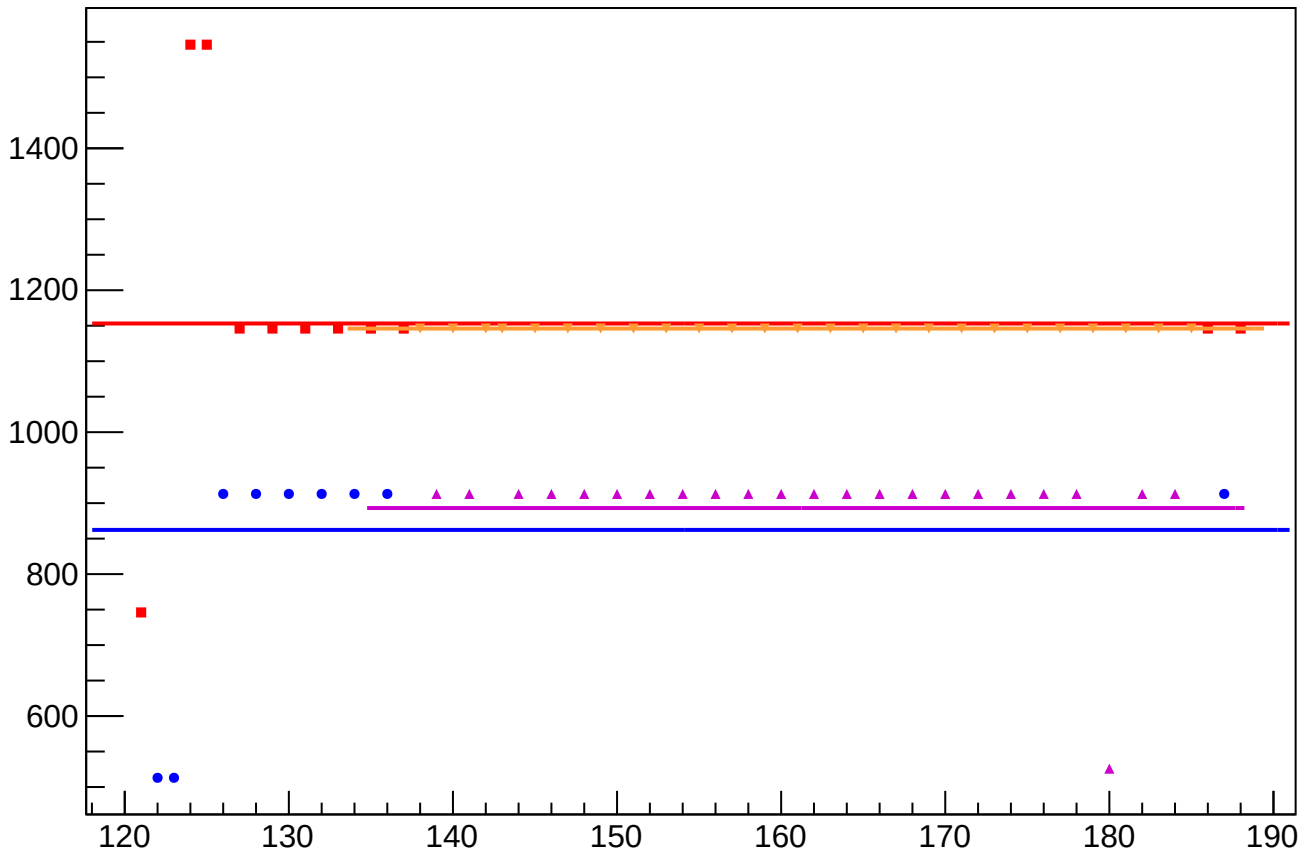
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 115033472633445654986752.0/22

+ sign 16.168 $\pm$ 0.000 χ^2 /NDF: 2987639446675553

All: 16.485 $\pm$ 0.000 χ^2 /NDF: 1111427380336

- sign 16.807 $\pm$ 0.000 χ^2 /NDF: 3579824803644357

RTPAPOSUCNT_mean vs Slug



Right In: 862.288+/-0.000 χ^2/NDF : 6287383554096374754523801651018465280.0/8

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

Right Out: 1153.137+/-0.000 χ^2/NDF : 13737861351801416055381959770321715200.0/10

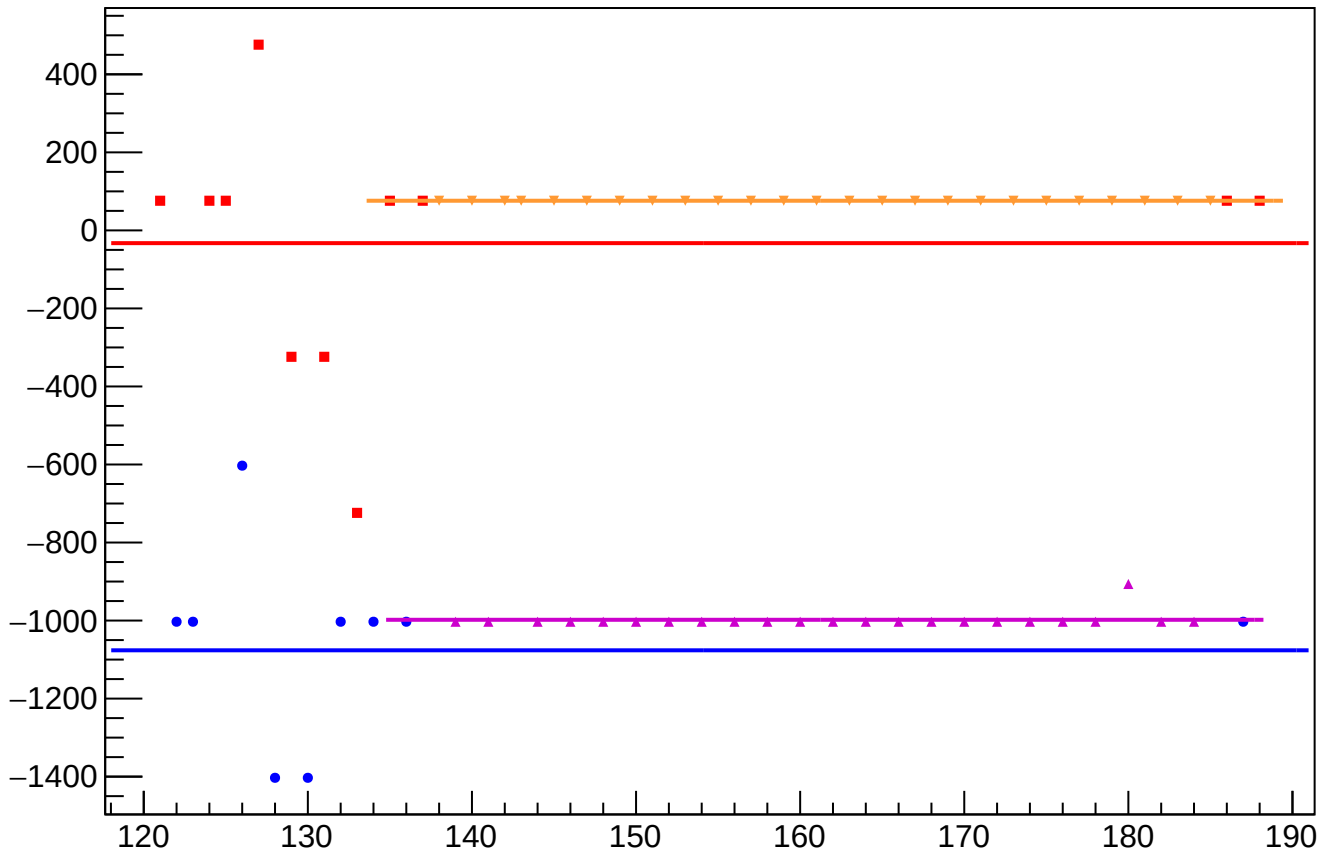
Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

+ sign 1101.542+/-0.000 χ^2/NDF : 30385477100672

All: 1023.245+/-0.000 χ^2/NDF : 1094706479

- sign 944.775+/-0.000 χ^2/NDF : 512836943436910

RTPAPOSVCNT_mean vs Slug



Right In: -1076.228+/-0.000 χ^2/NDF : 21295452367166071100202855617009811456.0/8

Left Out: 76.011+/-0.000 χ^2/NDF : 11003263624957134120836661248.0/24 + sign -104.583+/-0.000 χ^2/NDF : 41874216847823

Right Out: -32.676+/-0.000 χ^2/NDF : 41735832039784643419524751117523091456.0/10 All: -455.020+/-0.000 χ^2/NDF : 13535224122

Left In: -998.020+/-0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22 - sign -806.233+/-0.000 χ^2/NDF : 377852266171552