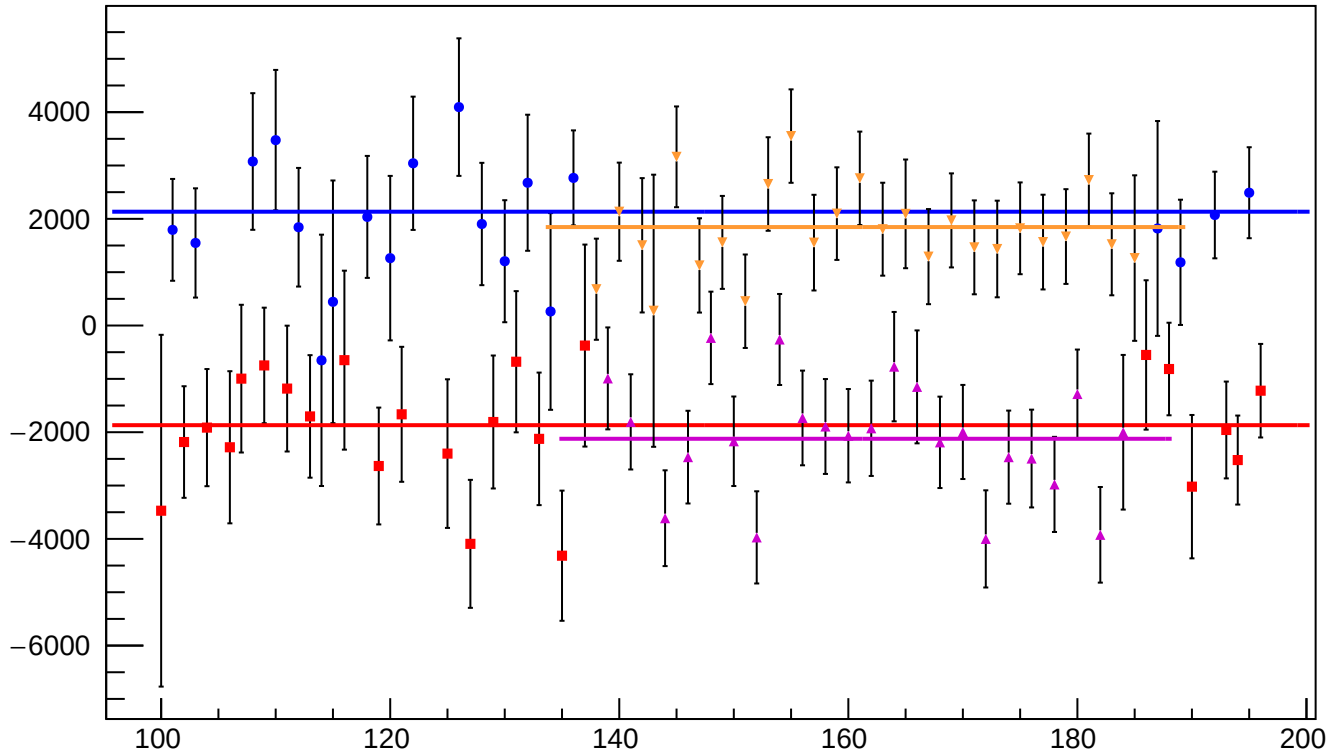


reg_asym_us_avg_mean vs Slug



Right In: 2133.764 $\pm$ 263.483

χ^2/NDF : 10.5/19

+ sign 1942.193 $\pm$ 152.443

χ^2/NDF : 26.8/44

Left Out: 1845.799 $\pm$ 186.902

χ^2/NDF : 15.5/24

All: -95.939 $\pm$ 106.313

χ^2/NDF : 424.1/91

Right Out: -1868.248 $\pm$ 240.028

χ^2/NDF : 16.6/23

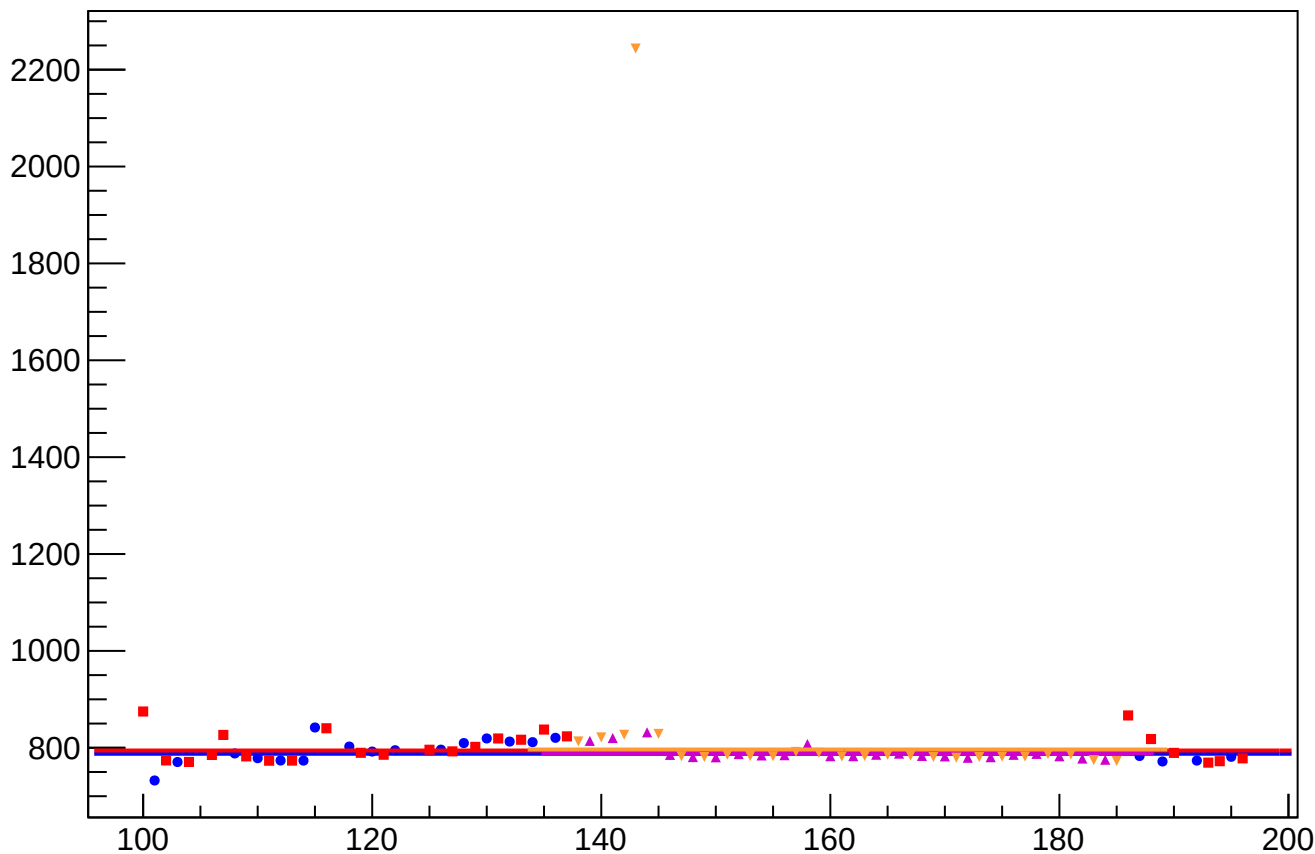
- sign -2025.788 $\pm$ 148.338

χ^2/NDF : 49.3/46

Left In: -2123.138 $\pm$ 188.684

χ^2/NDF : 32.0/22

reg_asym_us_avg_rms vs Slug



Right In: 787.668 $\pm$ 0.186 χ^2 /NDF: 16560.4/19

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

Right Out: 794.340 $\pm$ 0.170 χ^2 /NDF: 22100.5/23

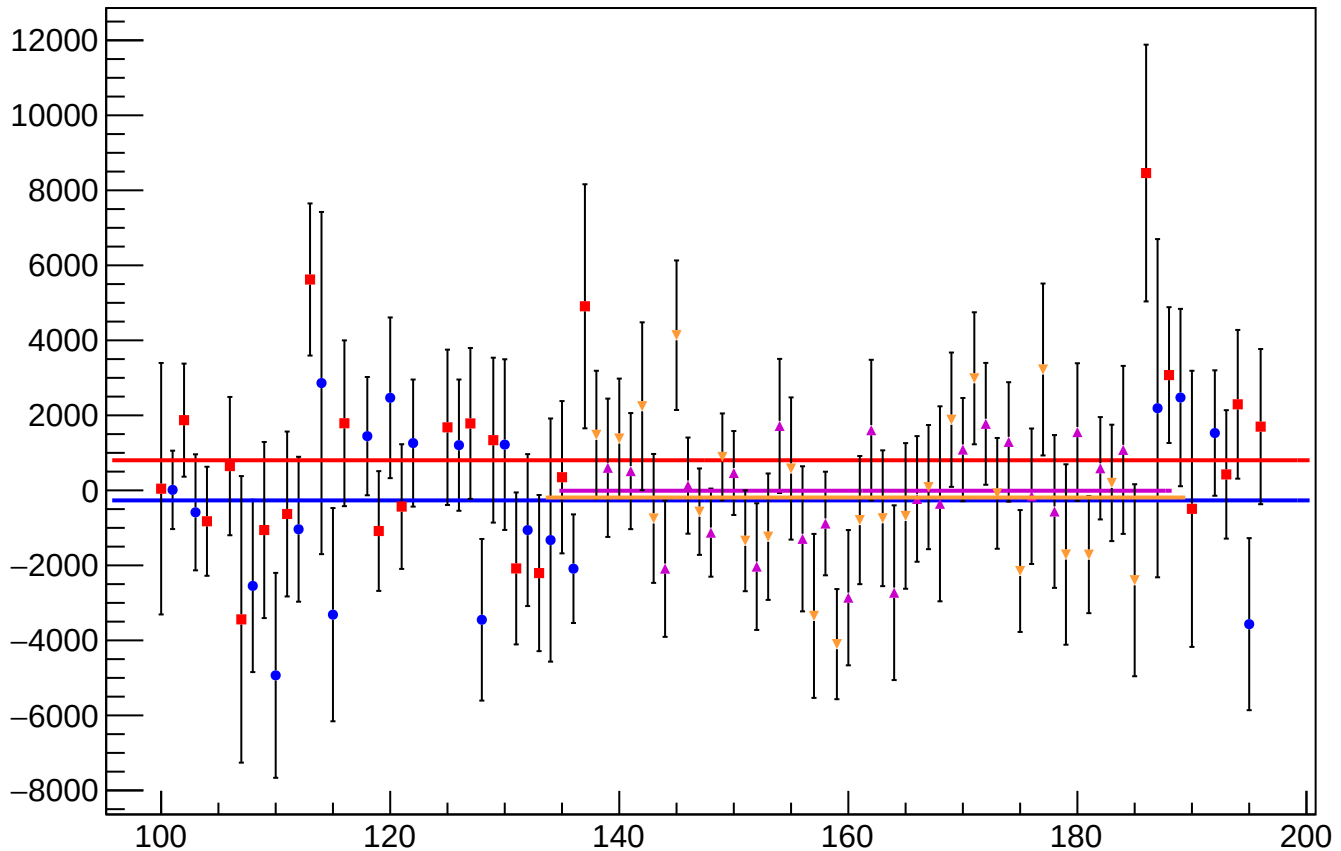
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF: 11343.2/22

+ sign 793.504 $\pm$ 0.108 χ^2 /NDF: 676744.2/44

All: 792.297 $\pm$ 0.075 χ^2 /NDF: 711002.5/91

- sign 791.154 $\pm$ 0.105 χ^2 /NDF: 34014.1/46

asym_us_avg_correction_mean vs Slug



Right In: -267.544+/-430.669 χ^2/NDF : 19.4/19

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

Right Out: 802.755+/-417.128 χ^2/NDF : 25.6/23

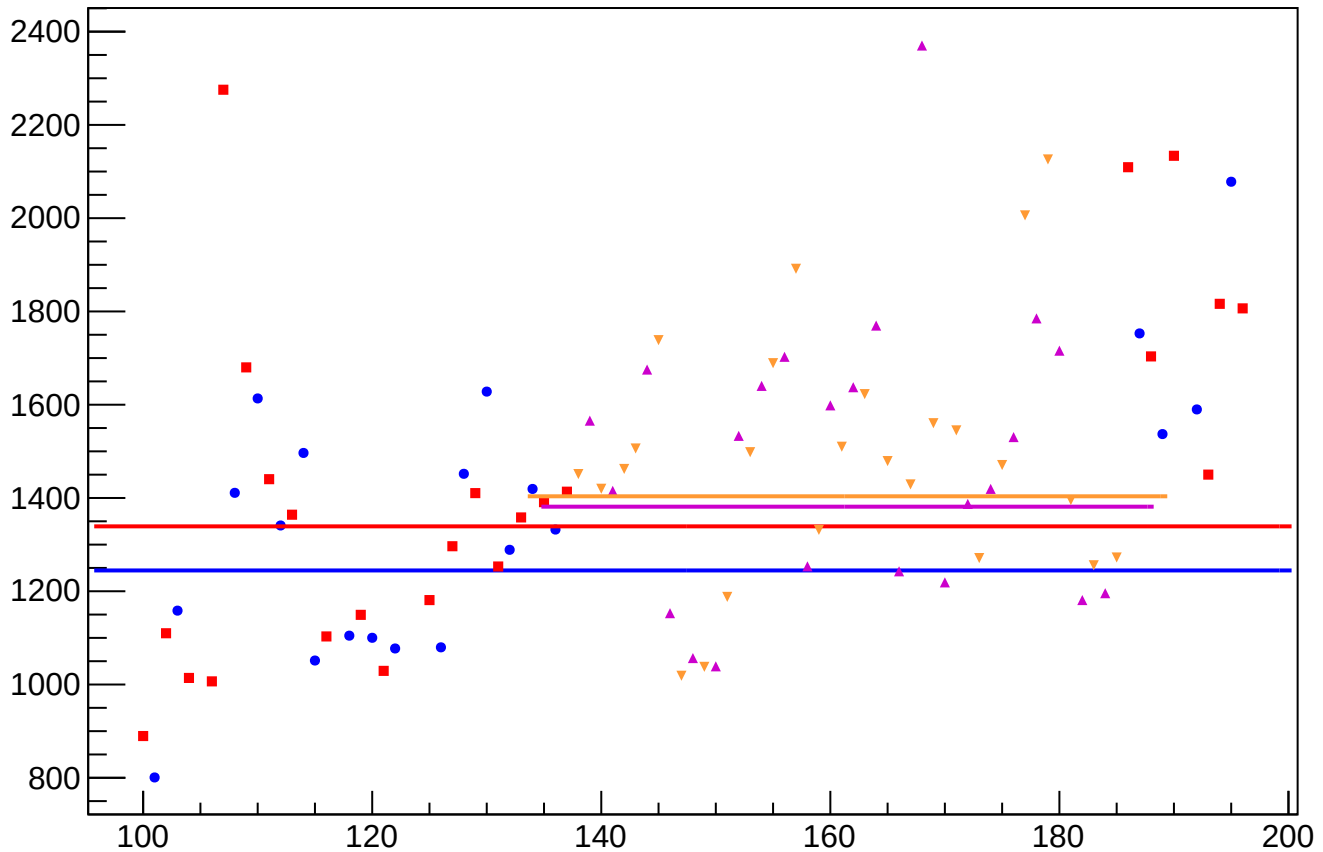
Left In: -10.093+/-337.810 χ^2/NDF : 14.2/22

+ sign -219.754+/-263.883 χ^2/NDF : 49.6/44

All: 47.430+/-186.109 χ^2/NDF : 93.8/91

- sign 311.861+/-262.520 χ^2/NDF : 42.1/46

asym_us_avg_correction_rms vs Slug



Right In: 1244.609 $\pm$ 0.305 χ^2 /NDF: 991152.5/19

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

+ sign 1343.916 $\pm$ 0.187 χ^2 /NDF: 2287938.5/44

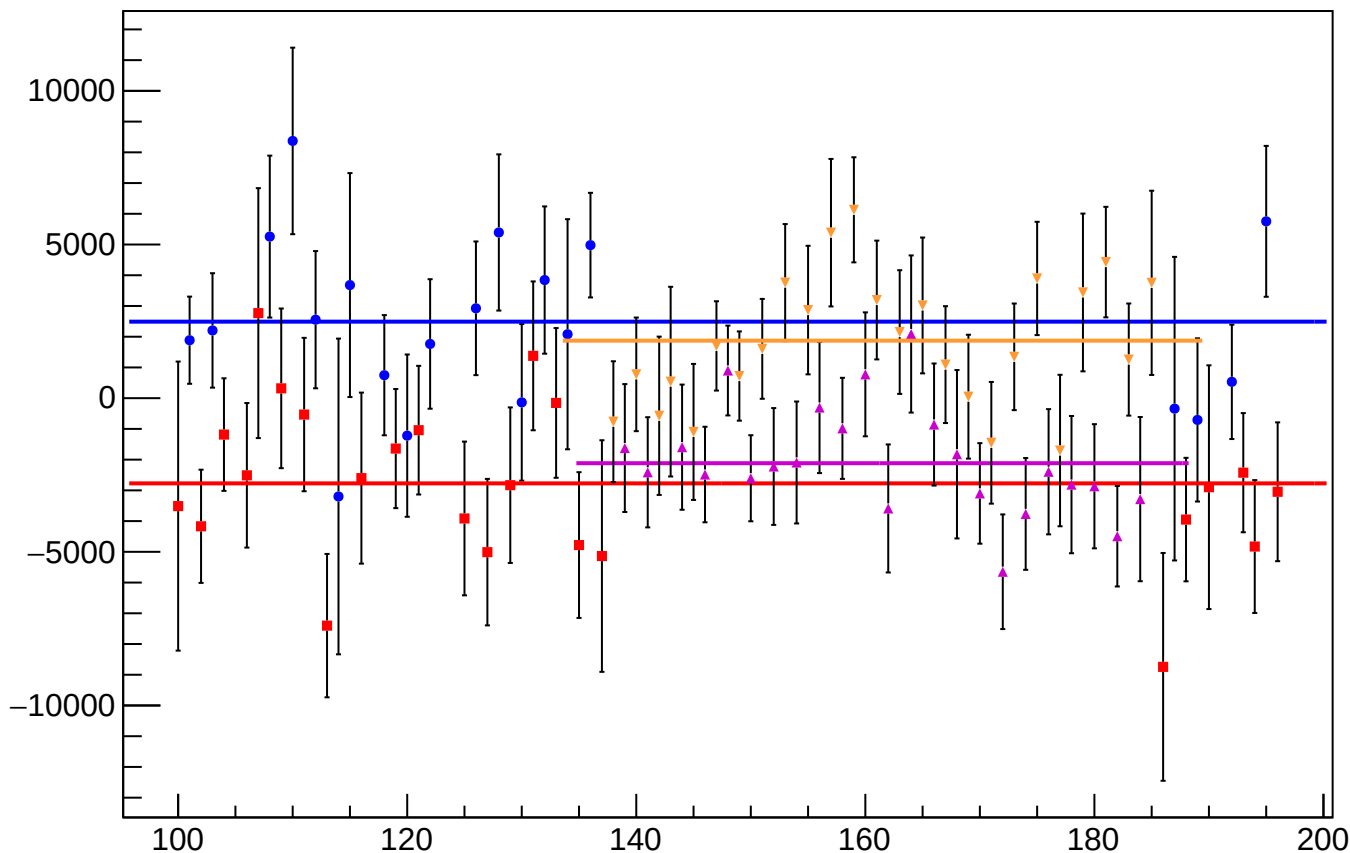
Right Out: 1339.149 $\pm$ 0.295 χ^2 /NDF: 1057259.7/23

All: 1354.332 $\pm$ 0.132 χ^2 /NDF: 4640254.2/91

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

- sign 1364.640 $\pm$ 0.186 χ^2 /NDF: 2346115.6/46

asym_us_avg_mean vs Slug



Right In: 2490.034 $\pm$ 517.747 χ^2 /NDF: 18.8/19

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

Right Out: -2772.332 $\pm$ 491.798 χ^2 /NDF: 20.6/23

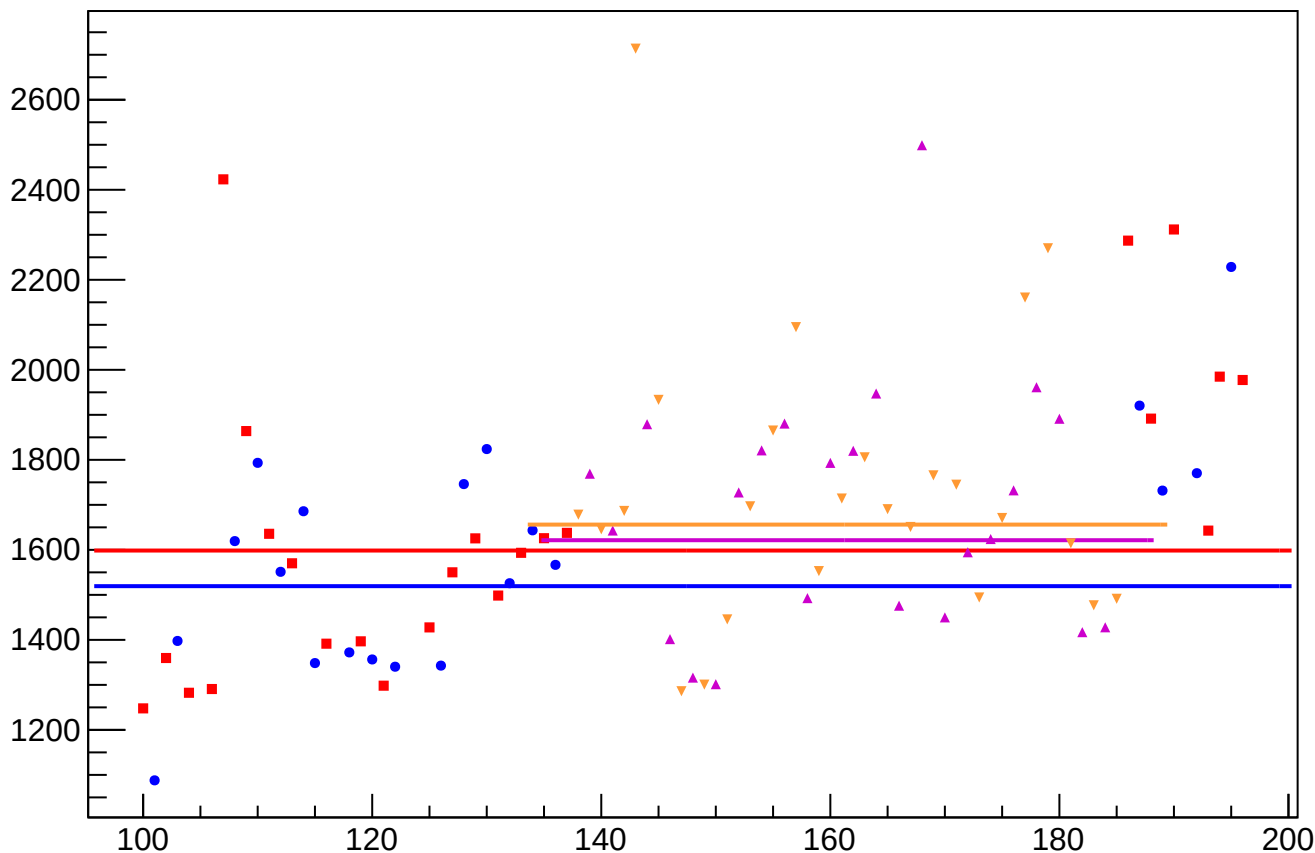
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 2096.731 $\pm$ 312.367 χ^2 /NDF: 45.8/44

All: -176.182 $\pm$ 218.960 χ^2 /NDF: 190.4/91

- sign -2371.848 $\pm$ 307.013 χ^2 /NDF: 40.5/46

asym_us_avg_rms vs Slug



Right In: 1519.332 $\pm$ 0.366 χ^2 /NDF: 543798.3/19

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

Right Out: 1598.481 $\pm$ 0.348 χ^2 /NDF: 628046.8/23

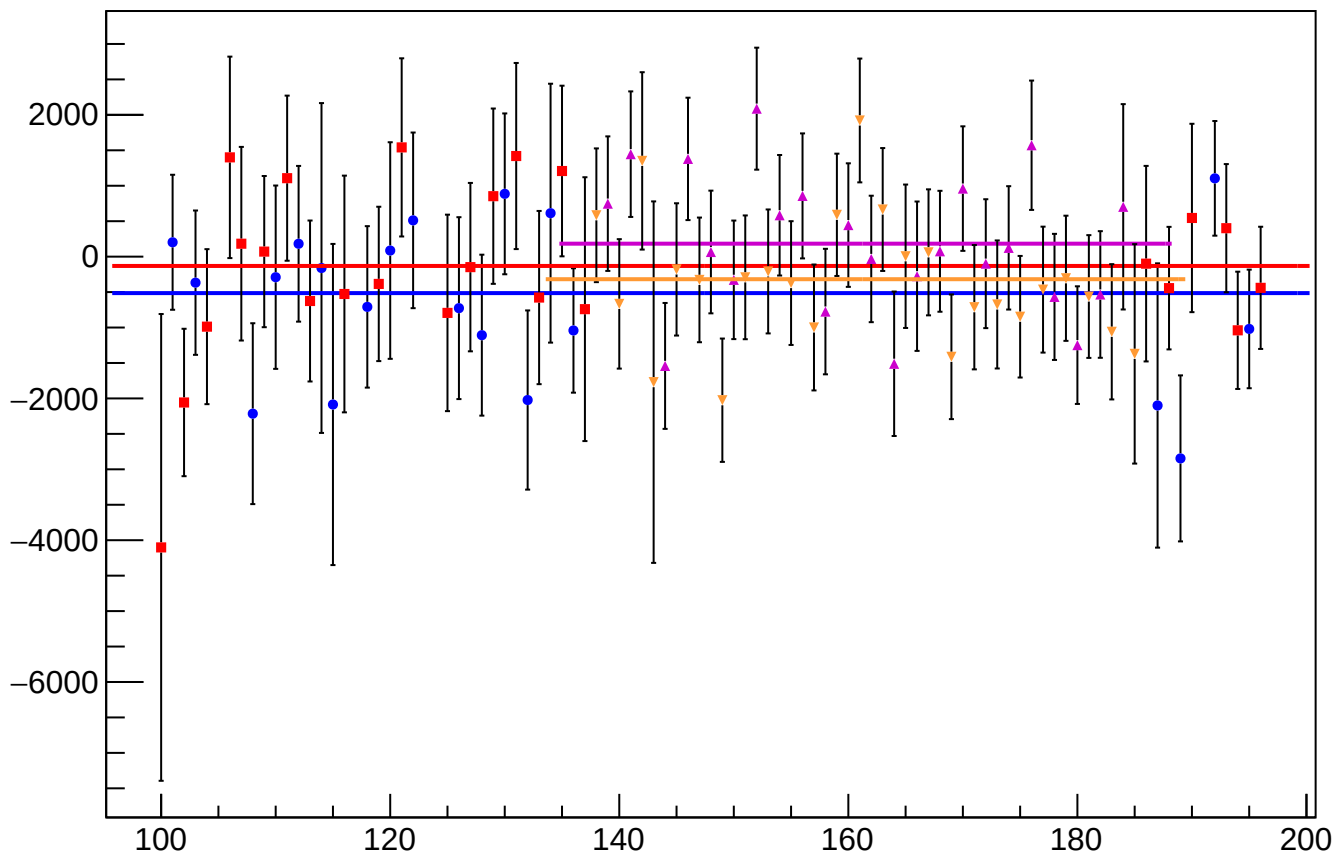
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1606.329 $\pm$ 0.221 χ^2 /NDF: 1543158.4/44

All: 1609.457 $\pm$ 0.155 χ^2 /NDF: 2949564.2/91

- sign 1612.479 $\pm$ 0.217 χ^2 /NDF: 1406011.5/46

reg_asym_us_dd_mean vs Slug



Right In: -514.290 ± 261.154 χ^2/NDF : 17.1/19

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

Right Out: -131.295 ± 237.769 χ^2/NDF : 15.8/23

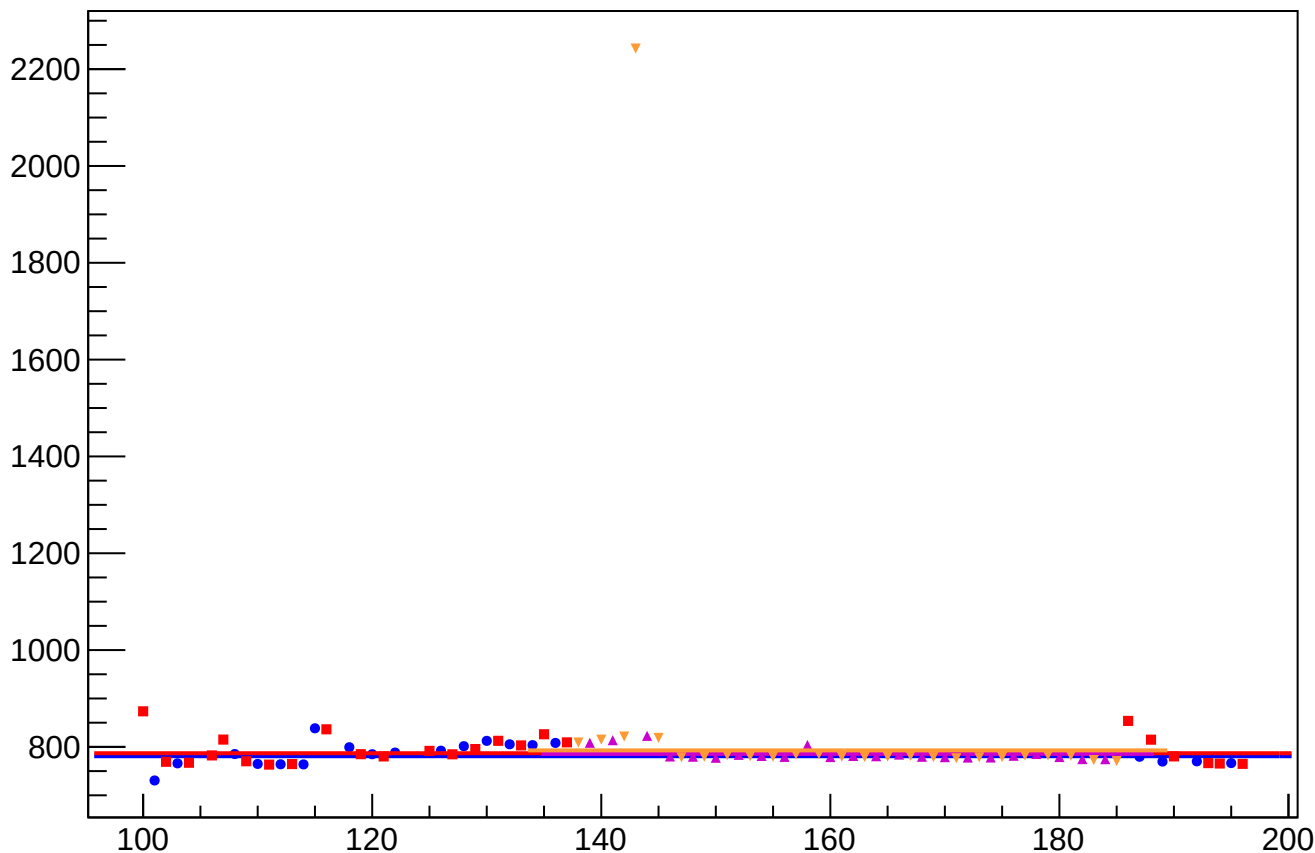
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -384.302 ± 151.524 χ^2/NDF : 37.9/44

All: -154.879 ± 105.649 χ^2/NDF : 85.3/91

- sign 62.176 ± 147.383 χ^2/NDF : 43.0/46

reg_asym_us_dd_rms vs Slug



Right In: 780.748 $\pm$ 0.185 χ^2 /NDF: 15282.1/19

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

Right Out: 786.916 $\pm$ 0.168 χ^2 /NDF: 21482.1/23

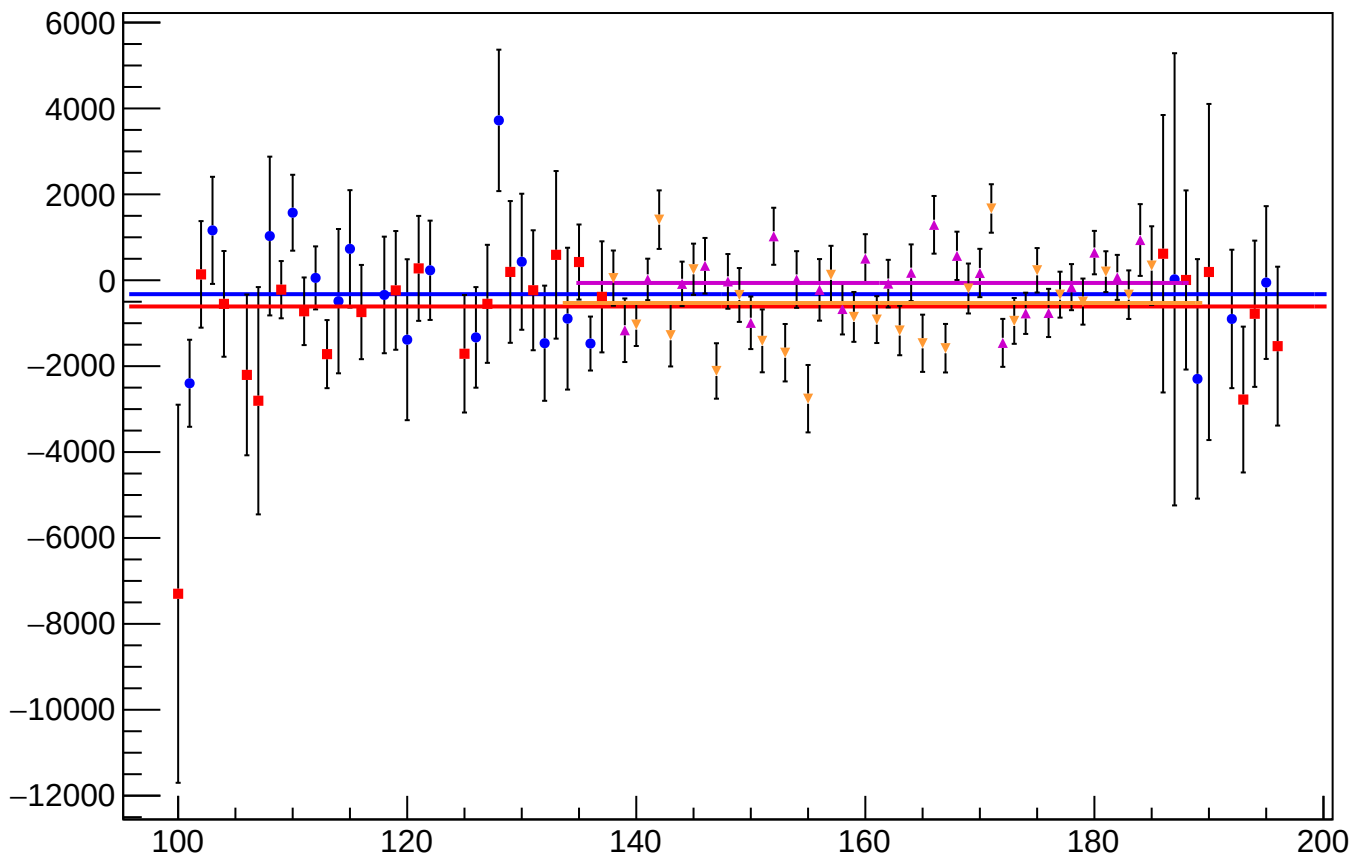
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 788.737 $\pm$ 0.107 χ^2 /NDF: 677614.1/44

All: 787.382 $\pm$ 0.075 χ^2 /NDF: 708819.2/91

- sign 786.101 $\pm$ 0.104 χ^2 /NDF: 30894.0/46

asym_us_dd_correction_mean vs Slug



Right In: -324.068 ± 273.841 χ^2/NDF : 24.0/19

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

Right Out: -610.590 ± 260.276 χ^2/NDF : 12.0/23

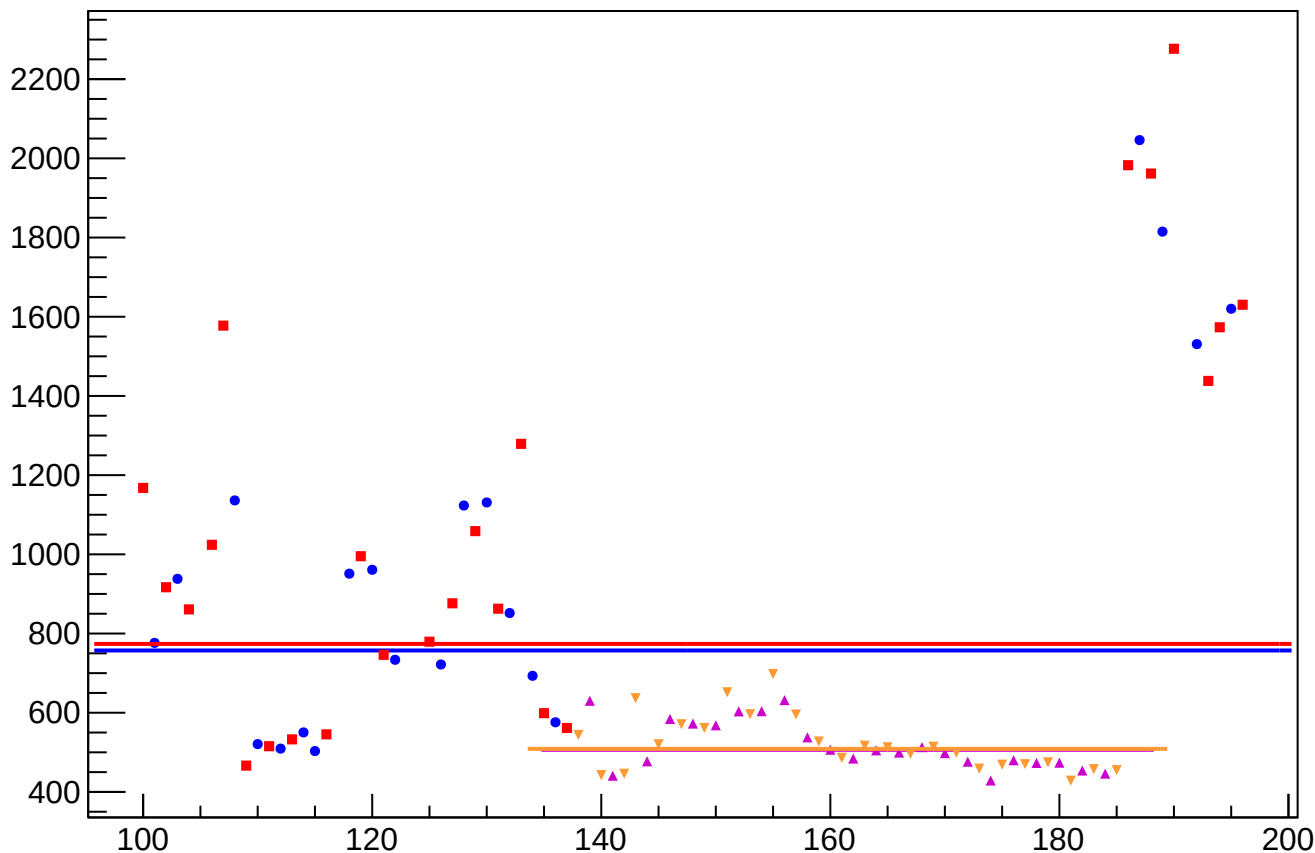
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -497.123 ± 109.559 χ^2/NDF : 86.1/44

All: -330.752 ± 77.801 χ^2/NDF : 135.2/91

- sign -161.509 ± 110.500 χ^2/NDF : 44.4/46

asym_us_dd_correction_rms vs Slug



Right In: 757.213+/-0.194 χ^2/NDF : 2394478.7/19

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

Right Out: 773.806+/-0.184 χ^2/NDF : 3985040.8/23

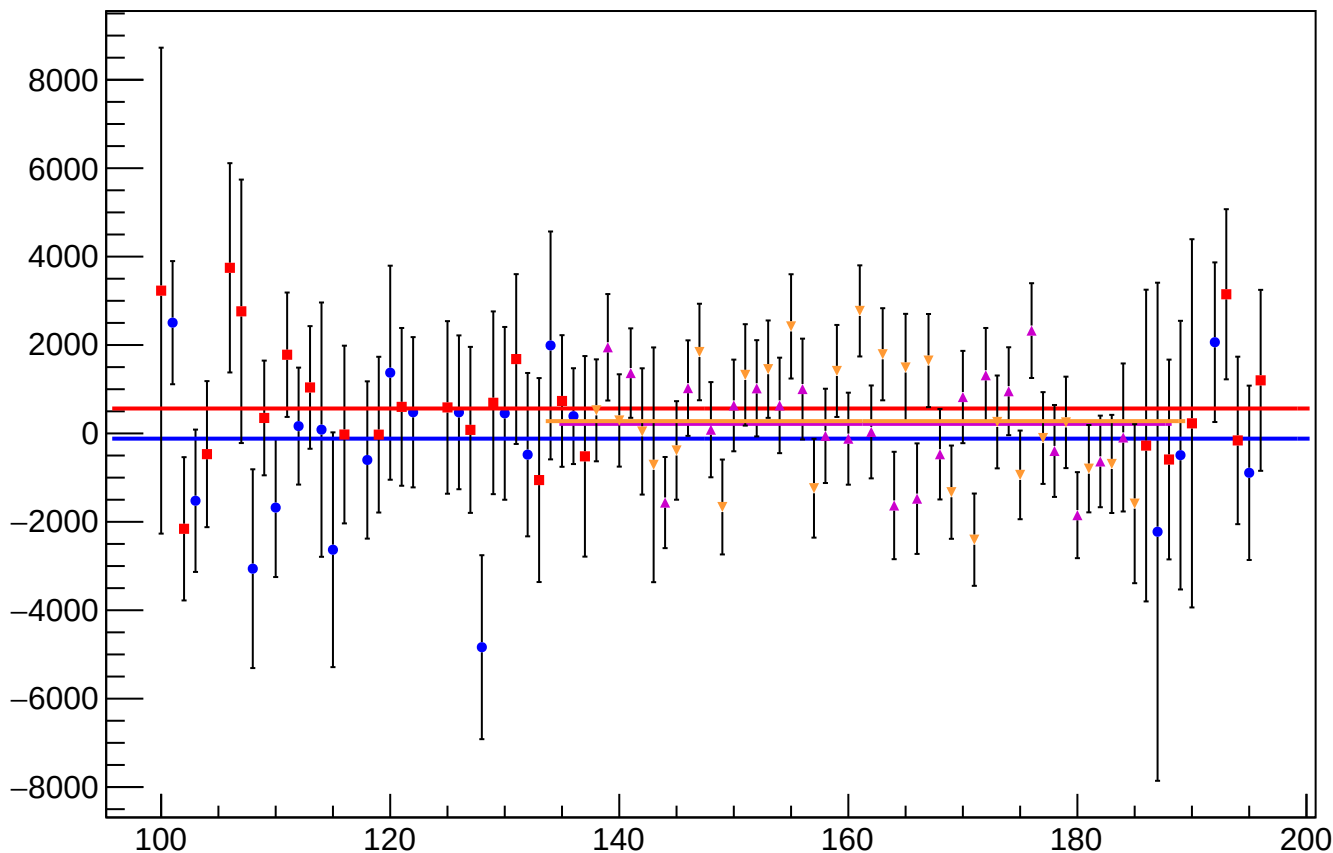
Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

+ sign 548.539+/-0.077 χ^2/NDF : 4326411.9/44

All: 551.535+/-0.055 χ^2/NDF : 10481579.3/90

- sign 554.582+/-0.078 χ^2/NDF : 6152151.7/46

asym_us_dd_mean vs Slug



Right In: -118.035 ± 408.523 χ^2/NDF : 16.6/19

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

Right Out: 563.844 ± 389.866 χ^2/NDF : 10.4/23

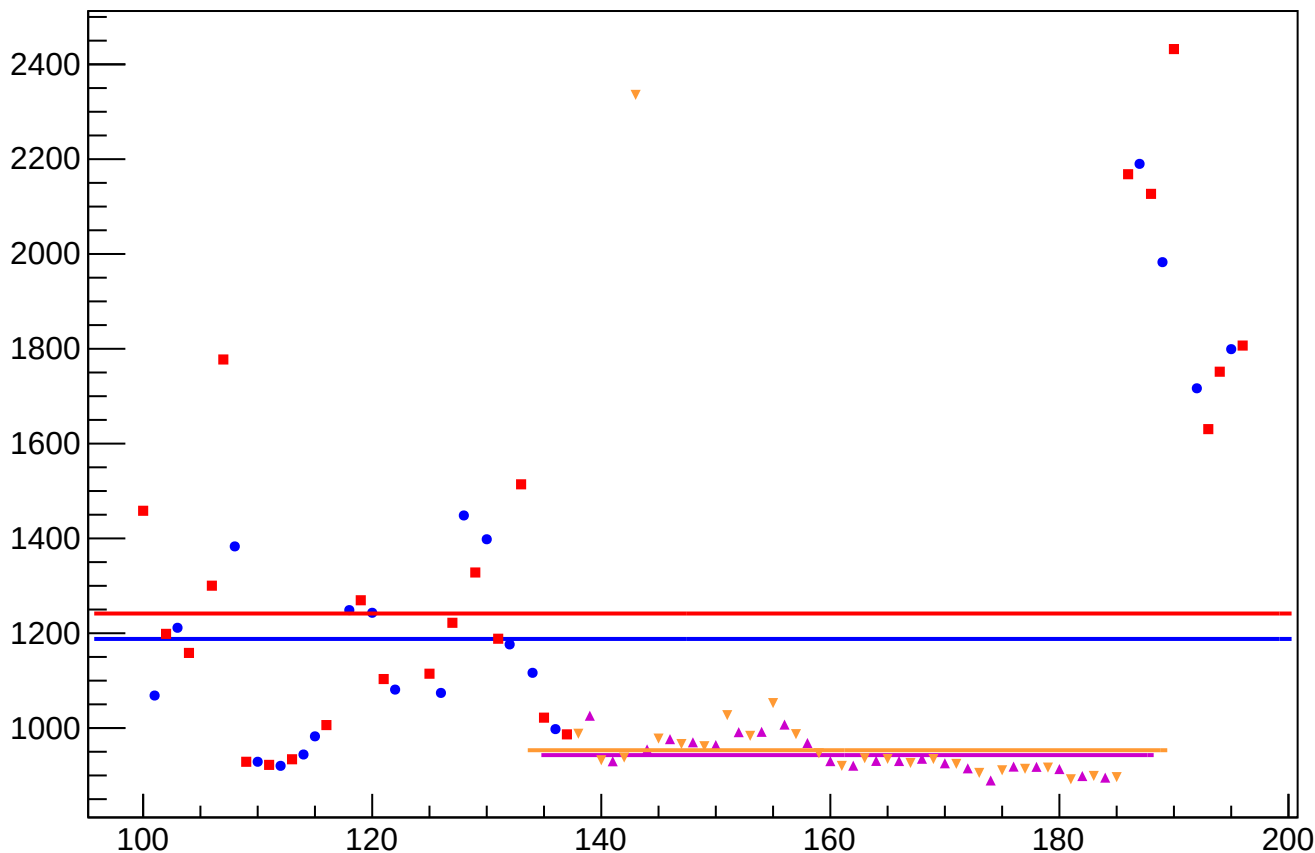
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 186.788 ± 196.129 χ^2/NDF : 55.7/44

All: 245.325 ± 138.378 χ^2/NDF : 91.3/91

- sign 303.348 ± 195.265 χ^2/NDF : 35.4/46

asym_us_dd_rms vs Slug



Right In: 1187.954+/-0.289 χ^2/NDF : 894081.5/19

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

Right Out: 1241.586+/-0.276 χ^2/NDF : 1530935.1/23

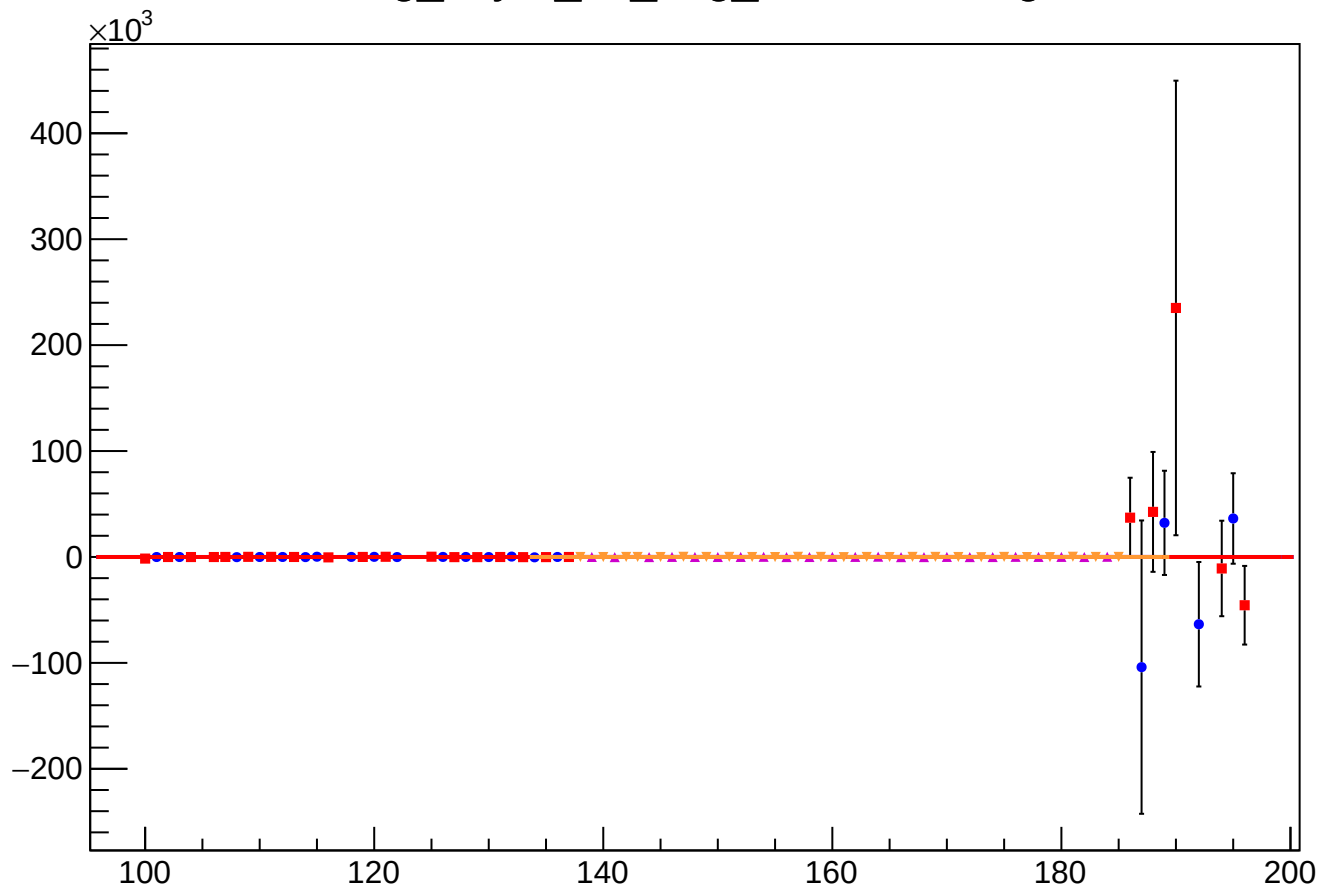
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1007.325+/-0.139 χ^2/NDF : 2008468.8/44

All: 1012.608+/-0.098 χ^2/NDF : 4469963.5/91

- sign 1017.846+/-0.138 χ^2/NDF : 2458604.3/46

reg_asym_ds_avg_mean vs Slug



Right In: -15.543 ± 30.032 χ^2/NDF : 18.8/19

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

Right Out: -31.749 ± 30.492 χ^2/NDF : 21.1/22

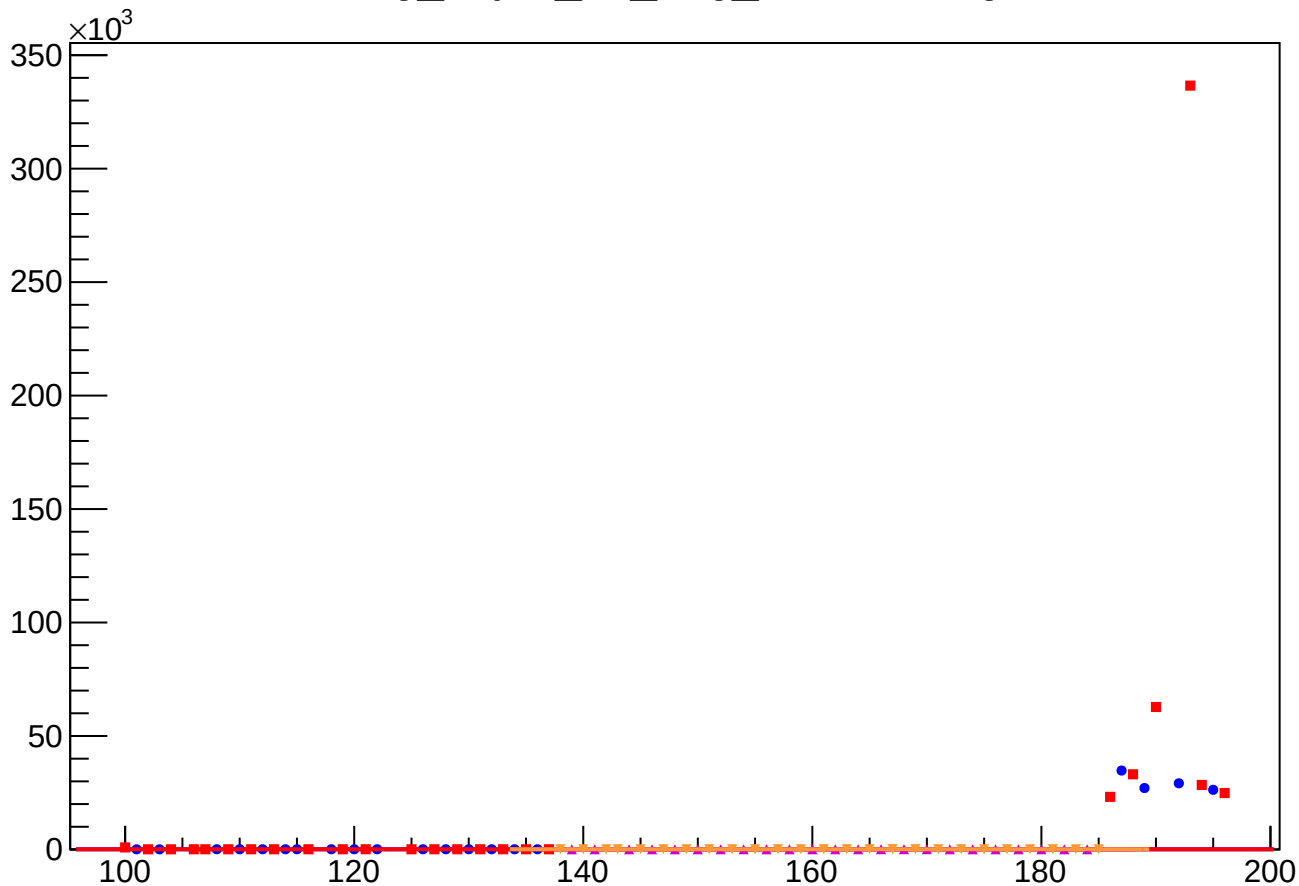
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.027 ± 17.187 χ^2/NDF : 41.6/44

All: 1.243 ± 12.302 χ^2/NDF : 87.4/90

- sign 4.678 ± 17.617 χ^2/NDF : 45.7/45

reg_asym_ds_avg_rms vs Slug



Right In: 76.086 $\pm$ 0.021 χ^2 /NDF: 2395472.1/19

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

Right Out: 79.427 $\pm$ 0.022 χ^2 /NDF: 3752458.0/23

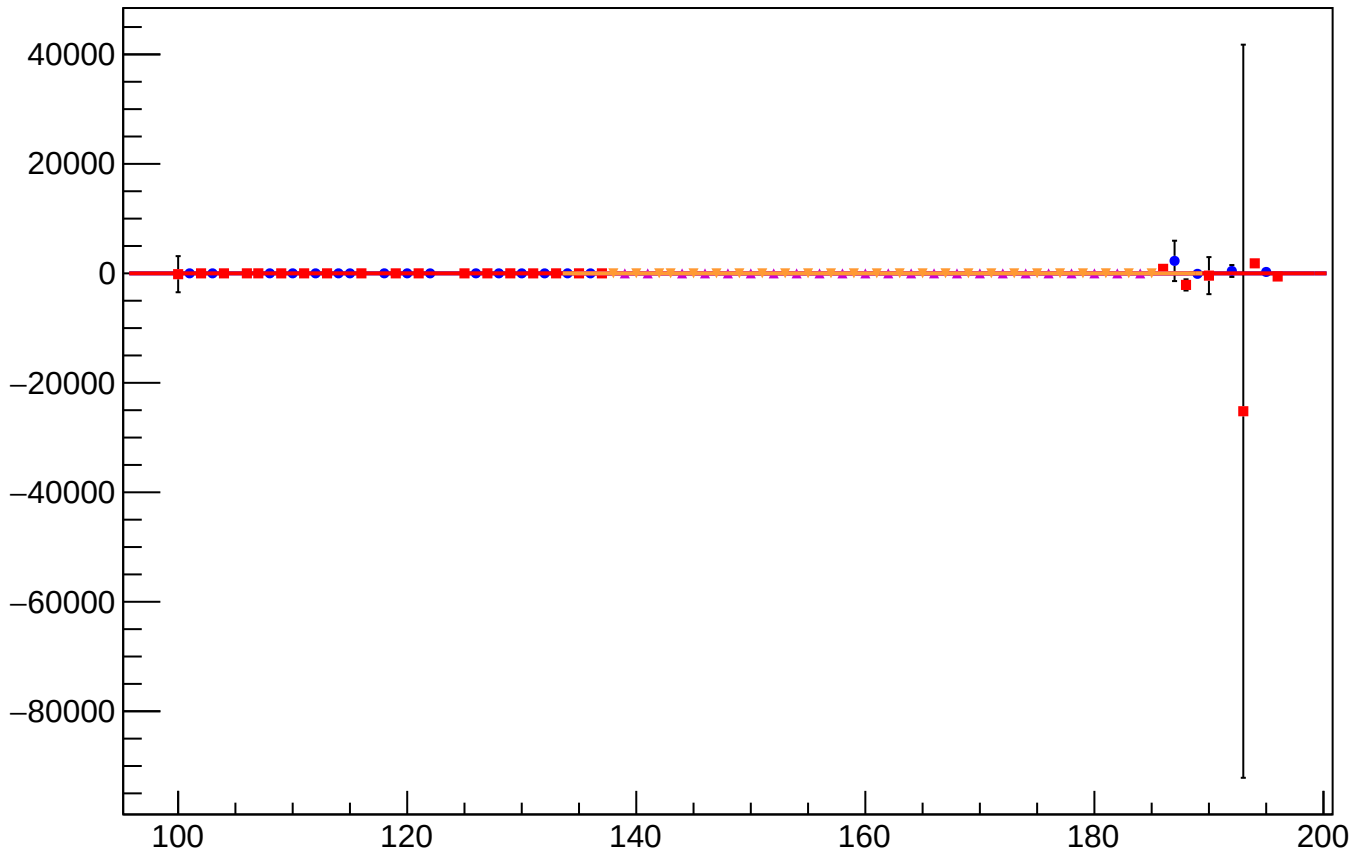
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.095 $\pm$ 0.012 χ^2 /NDF: 3133455.1/44

All: 85.635 $\pm$ 0.009 χ^2 /NDF: 7546631.2/91

- sign 86.201 $\pm$ 0.012 χ^2 /NDF: 4409137.9/46

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 21.6/19

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

Right Out: -0.038 ± 0.525 χ^2/NDF : 20.3/23

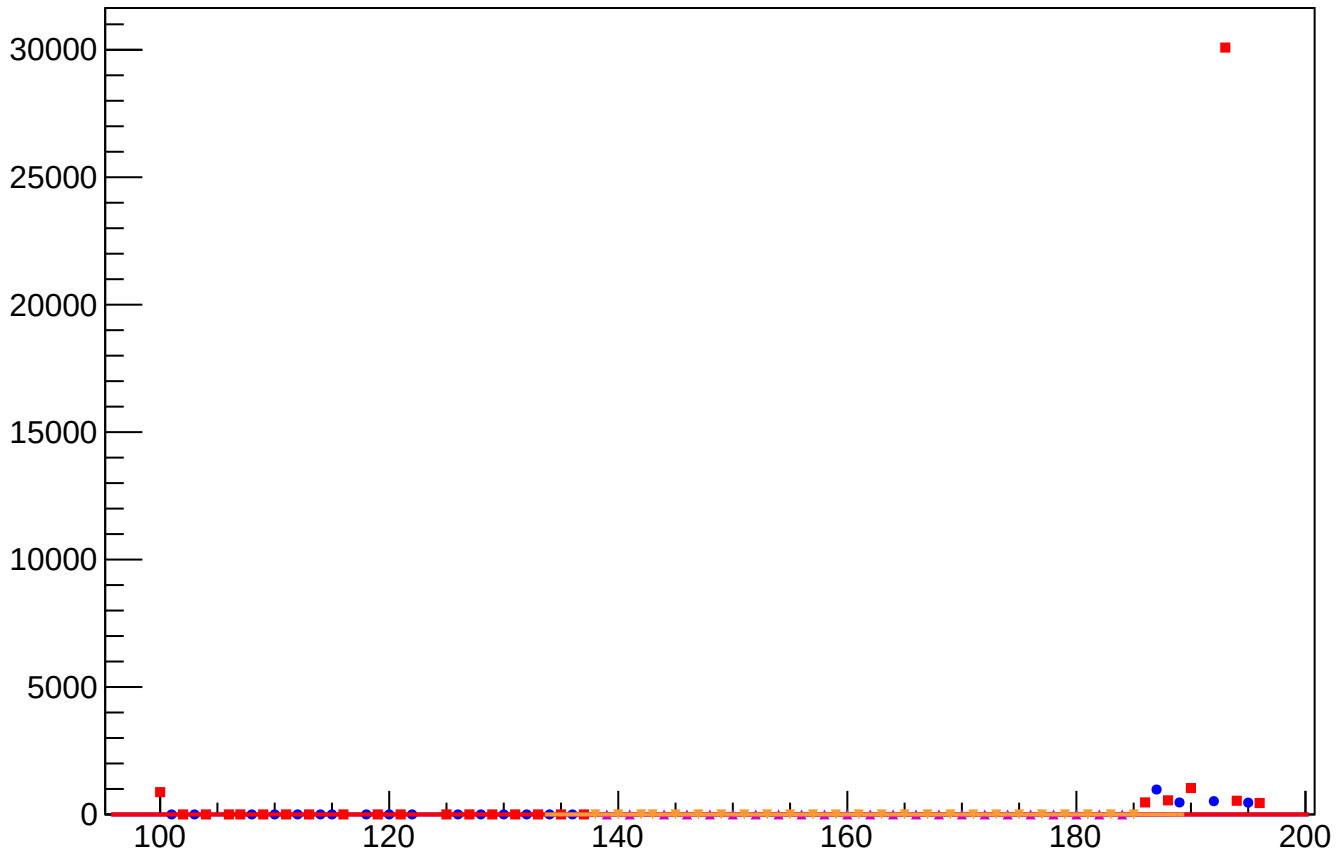
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.014 ± 0.296 χ^2/NDF : 43.4/44

All: 0.146 ± 0.215 χ^2/NDF : 91.3/91

- sign 0.323 ± 0.312 χ^2/NDF : 47.4/46

asym_ds_avg_correction_rms vs Slug



Right In: 1.152 $\pm$ 0.000 χ^2 /NDF: 2261792.4/19

Left Out: 1.404 $\pm$ 0.000 χ^2 /NDF:992478.0/24

Right Out: 1.260 $\pm$ 0.000 χ^2 /NDF: 3864223.9/23

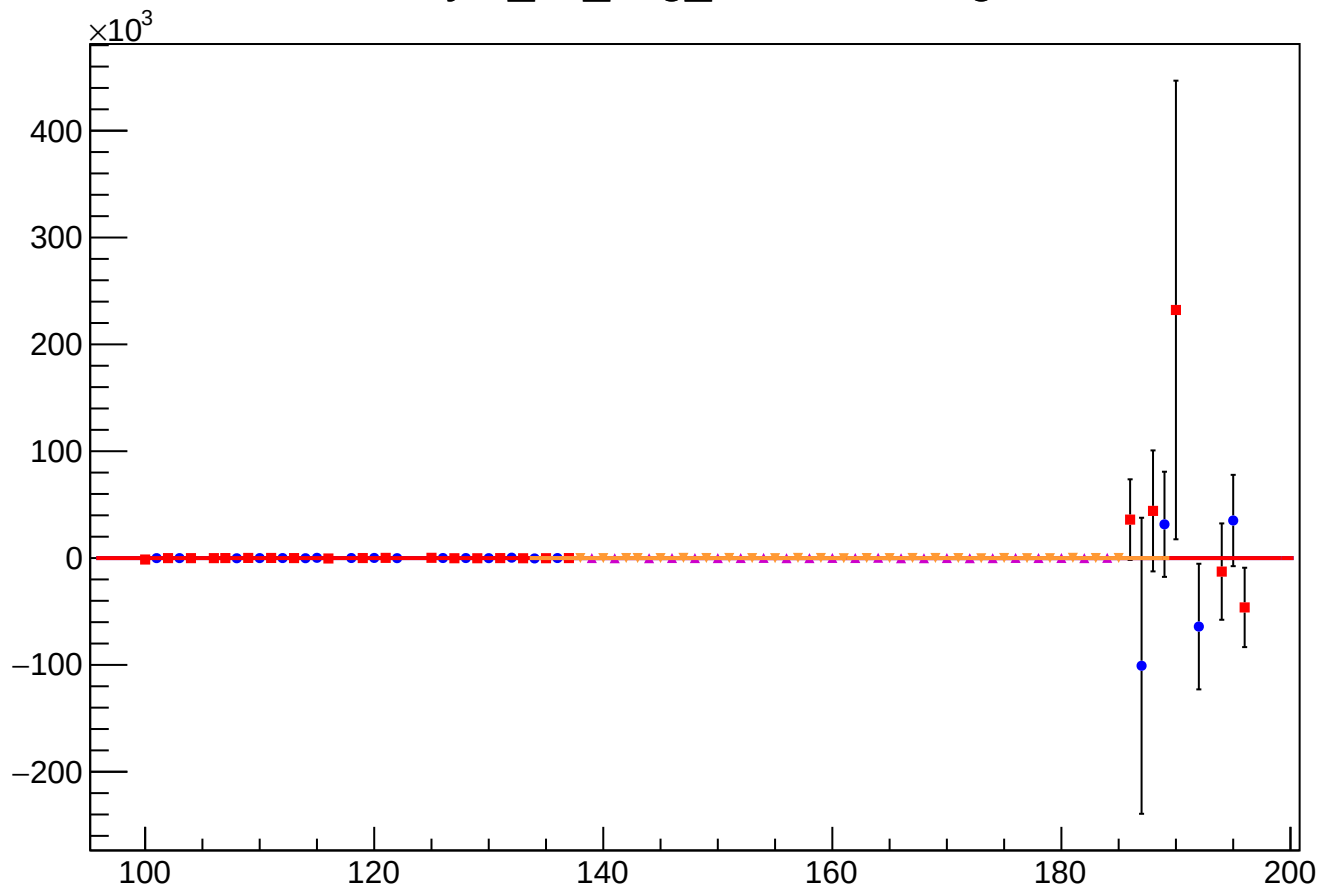
Left In: 1.453 $\pm$ 0.000 χ^2 /NDF:995852.2/22

+ sign 1.316 $\pm$ 0.000 χ^2 /NDF: 3581940.9/44

All: 1.349 $\pm$ 0.000 χ^2 /NDF: 8668945.3/91

- sign 1.385 $\pm$ 0.000 χ^2 /NDF: 5035845.5/46

asym_ds_avg_mean vs Slug



Right In: -14.480 ± 30.040 χ^2/NDF : 19.0/19

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

Right Out: -32.029 ± 30.500 χ^2/NDF : 21.1/22

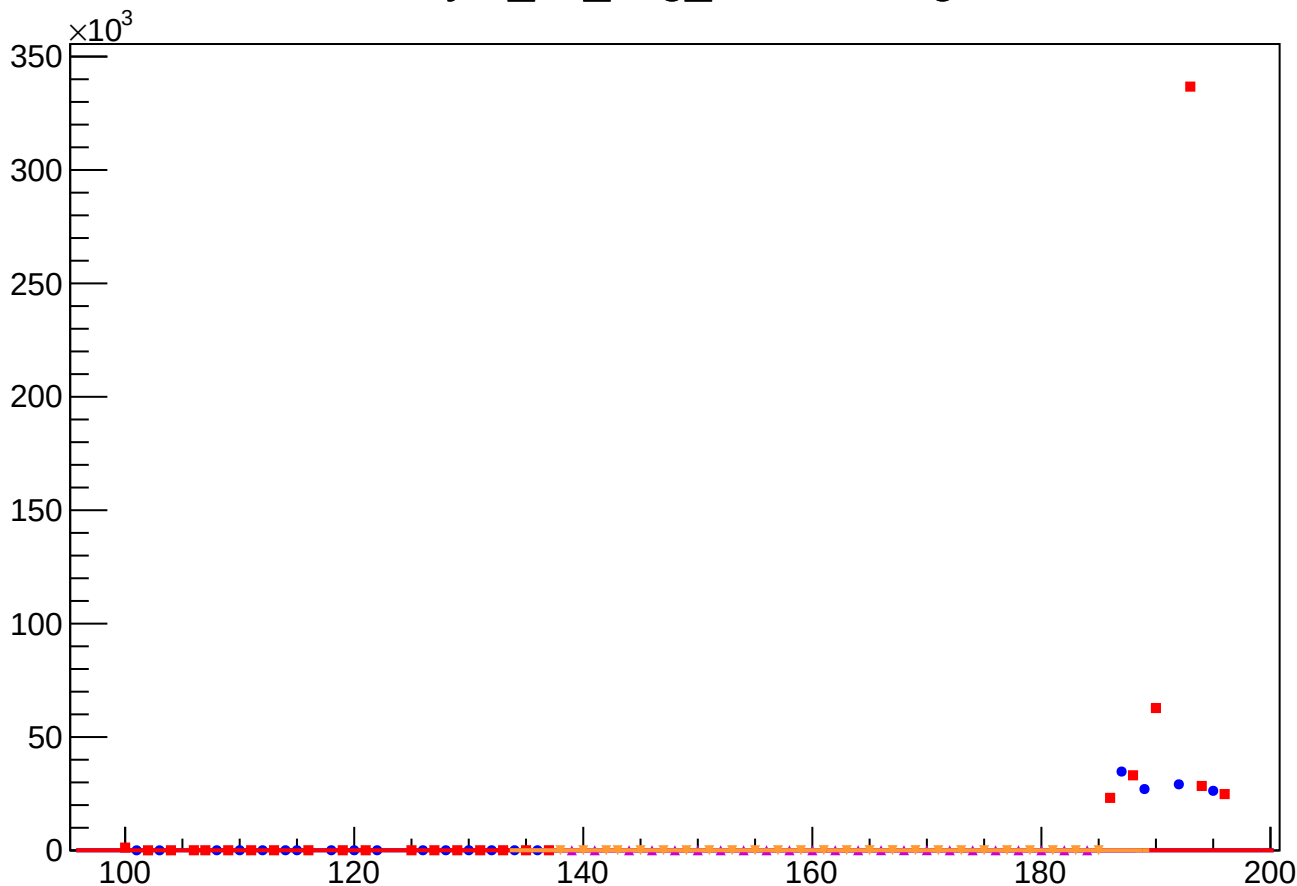
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -1.772 ± 17.192 χ^2/NDF : 41.4/44

All: 1.169 ± 12.306 χ^2/NDF : 87.0/90

- sign 4.260 ± 17.623 χ^2/NDF : 45.6/45

asym_ds_avg_rms vs Slug



Right In: 76.106 $\pm$ 0.021 χ^2 /NDF: 2395488.7/19

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

Right Out: 79.431 $\pm$ 0.022 χ^2 /NDF: 3759019.8/23

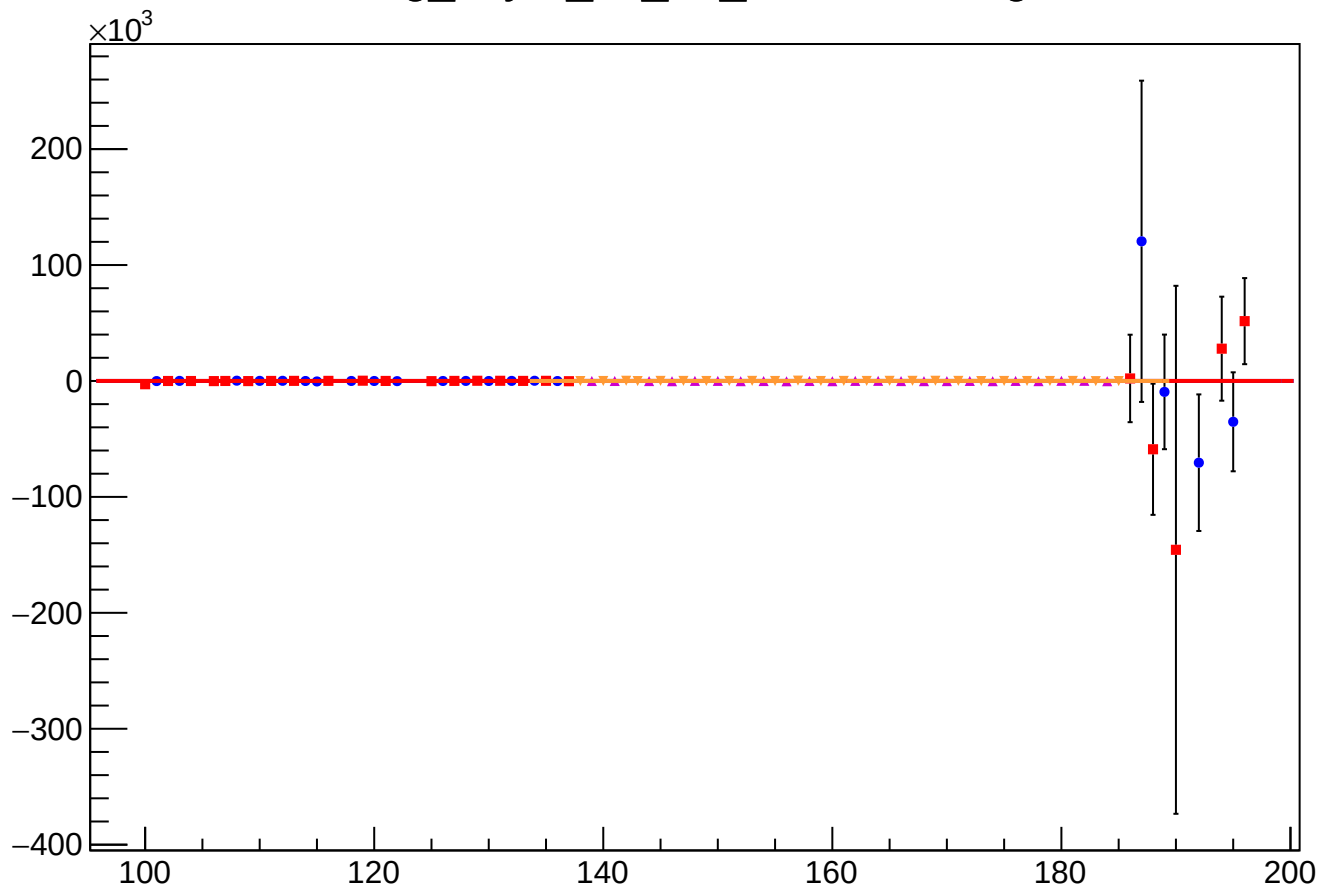
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.119 $\pm$ 0.012 χ^2 /NDF: 3134341.5/44

All: 85.656 $\pm$ 0.009 χ^2 /NDF: 755511.5/91

- sign 86.220 $\pm$ 0.012 χ^2 /NDF: 4417172.5/46

reg_asym_ds_dd_mean vs Slug



Right In: 8.080 ± 30.012 χ^2/NDF : 16.9/19

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

Right Out: 25.803 ± 30.473 χ^2/NDF : 16.6/22

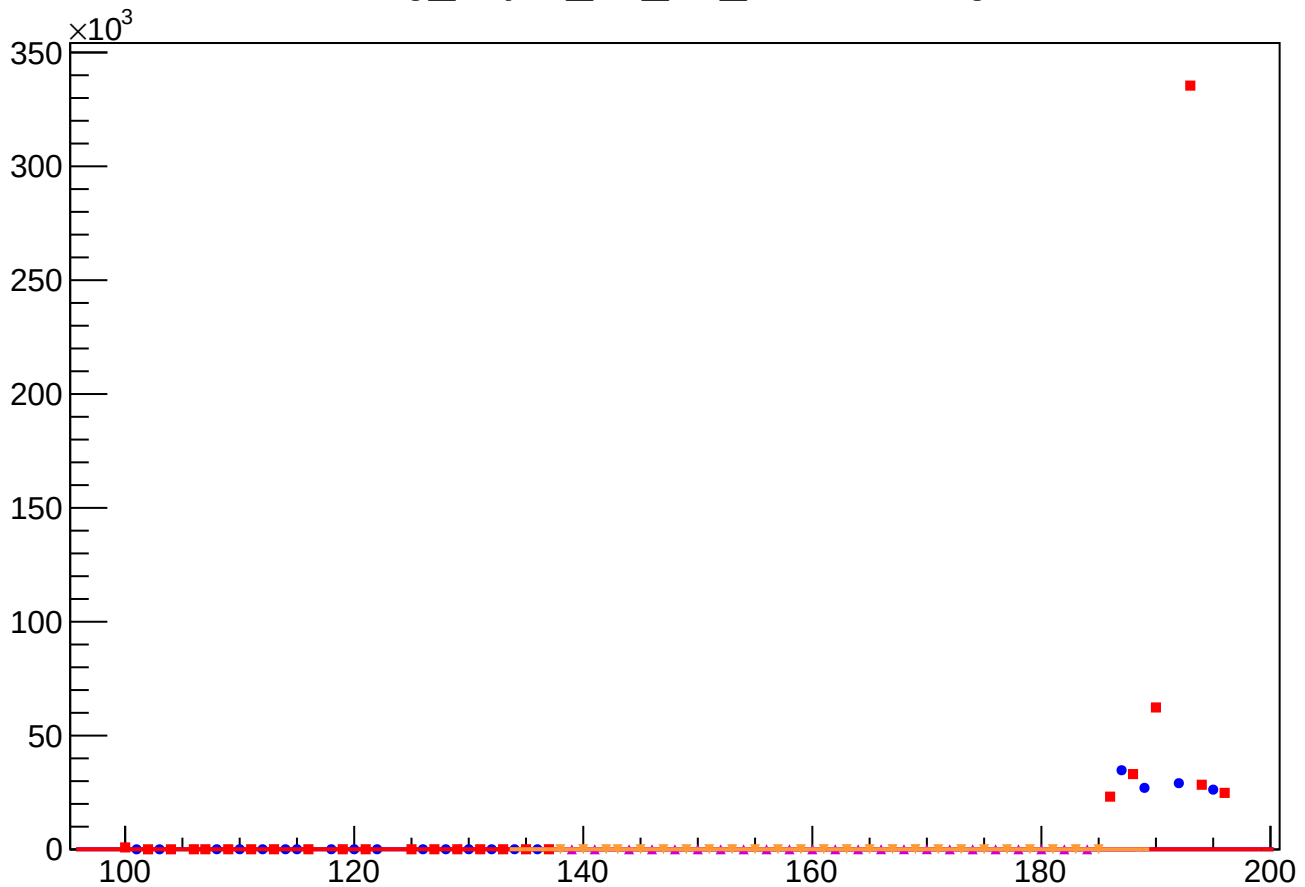
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 9.288 ± 17.187 χ^2/NDF : 35.5/44

All: -5.131 ± 12.303 χ^2/NDF : 88.4/90

- sign -20.283 ± 17.618 χ^2/NDF : 51.5/45

reg_asym_ds_dd_rms vs Slug



Right In: 76.036 $\pm$ 0.021 χ^2 /NDF: 2394752.4/19

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

Right Out: 79.379 $\pm$ 0.022 χ^2 /NDF: 3751966.4/23

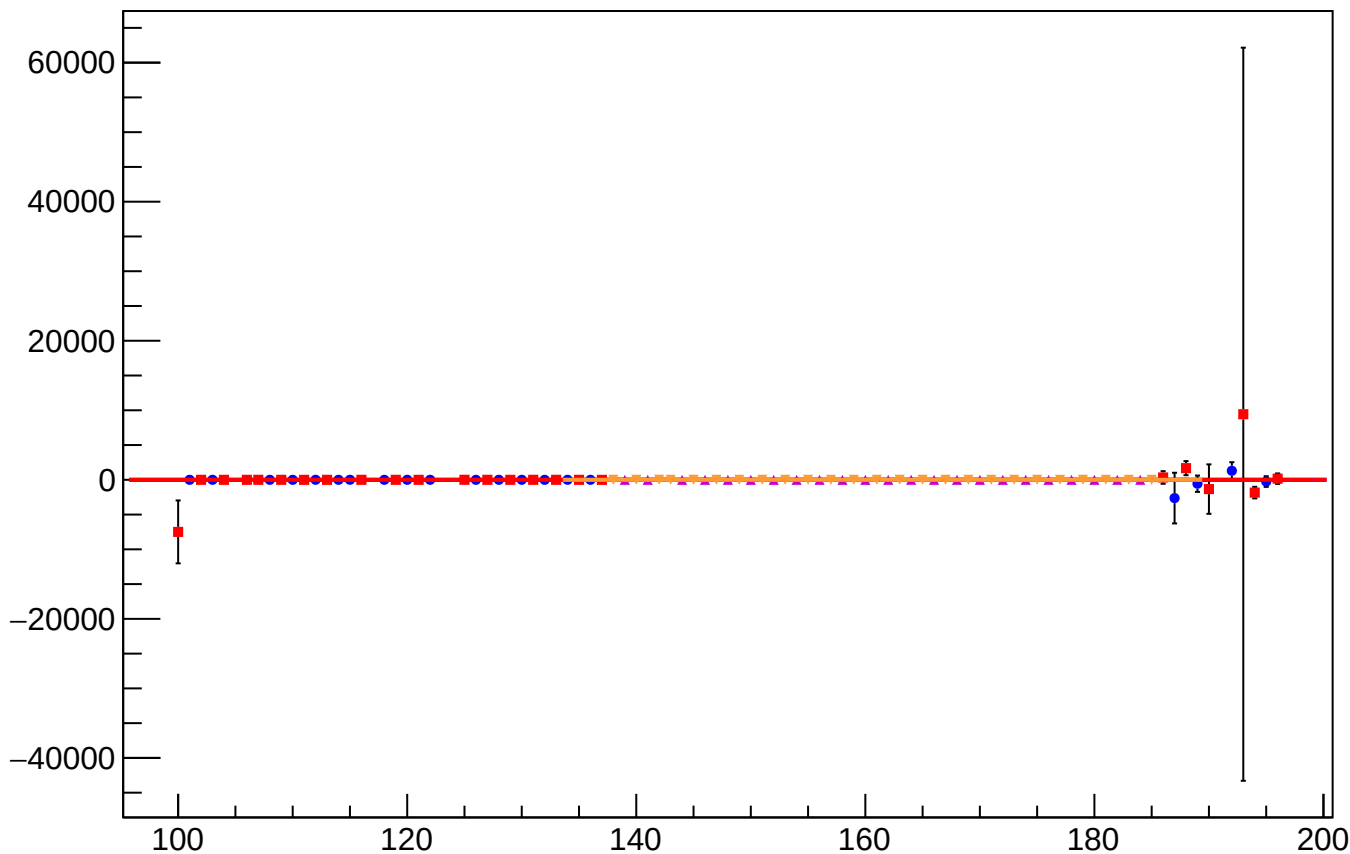
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.090 $\pm$ 0.012 χ^2 /NDF: 3134527.4/44

All: 85.632 $\pm$ 0.009 χ^2 /NDF: 7552231.6/91

- sign 86.202 $\pm$ 0.012 χ^2 /NDF: 4413622.2/46

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 13.9/19

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

Right Out: -0.348 ± 0.549 χ^2/NDF : 21.5/23

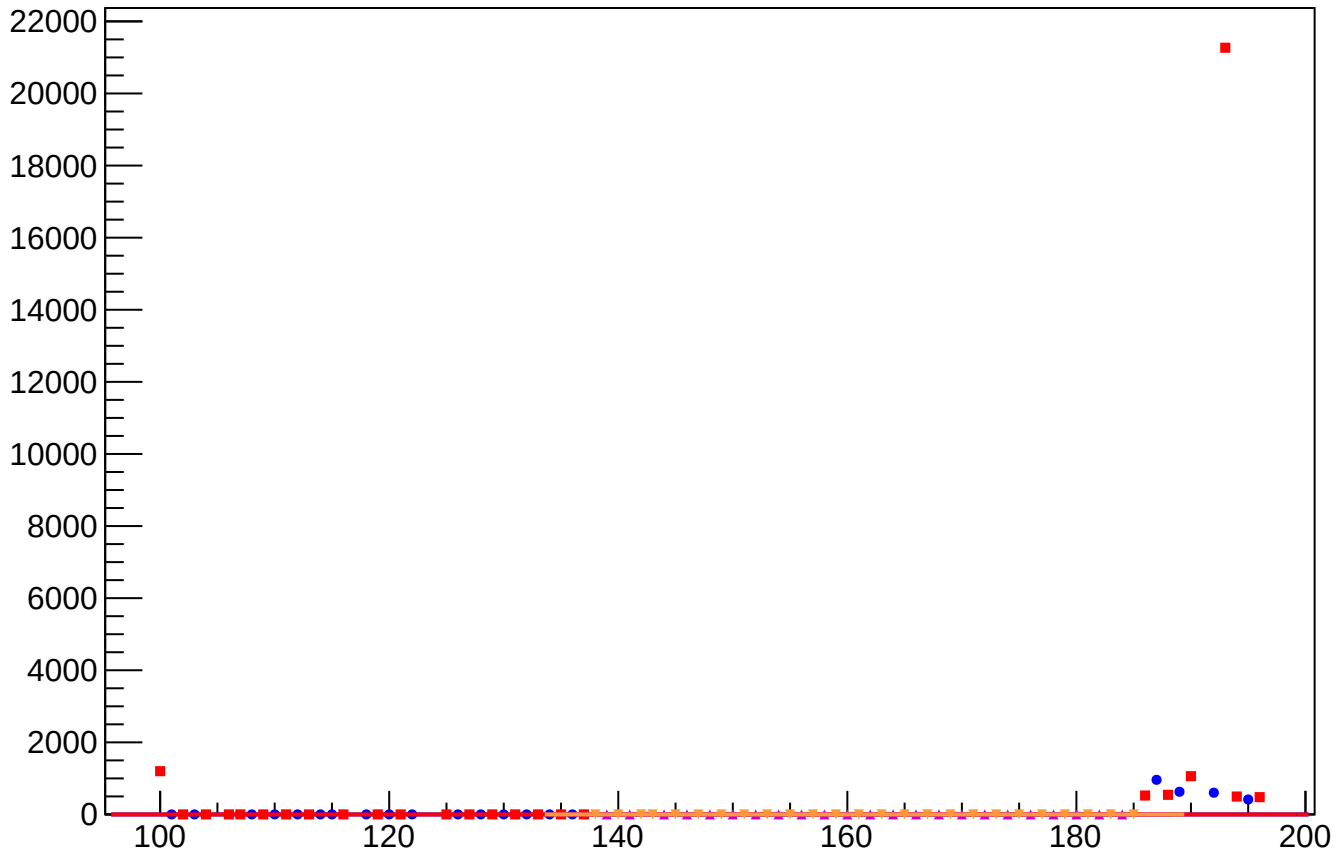
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.037 ± 0.310 χ^2/NDF : 39.3/44

All: -0.052 ± 0.222 χ^2/NDF : 81.5/91

- sign -0.069 ± 0.318 χ^2/NDF : 42.2/46

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 2403279.4/19

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

Right Out: 1.316+/-0.000 χ^2/NDF : 3808623.0/23

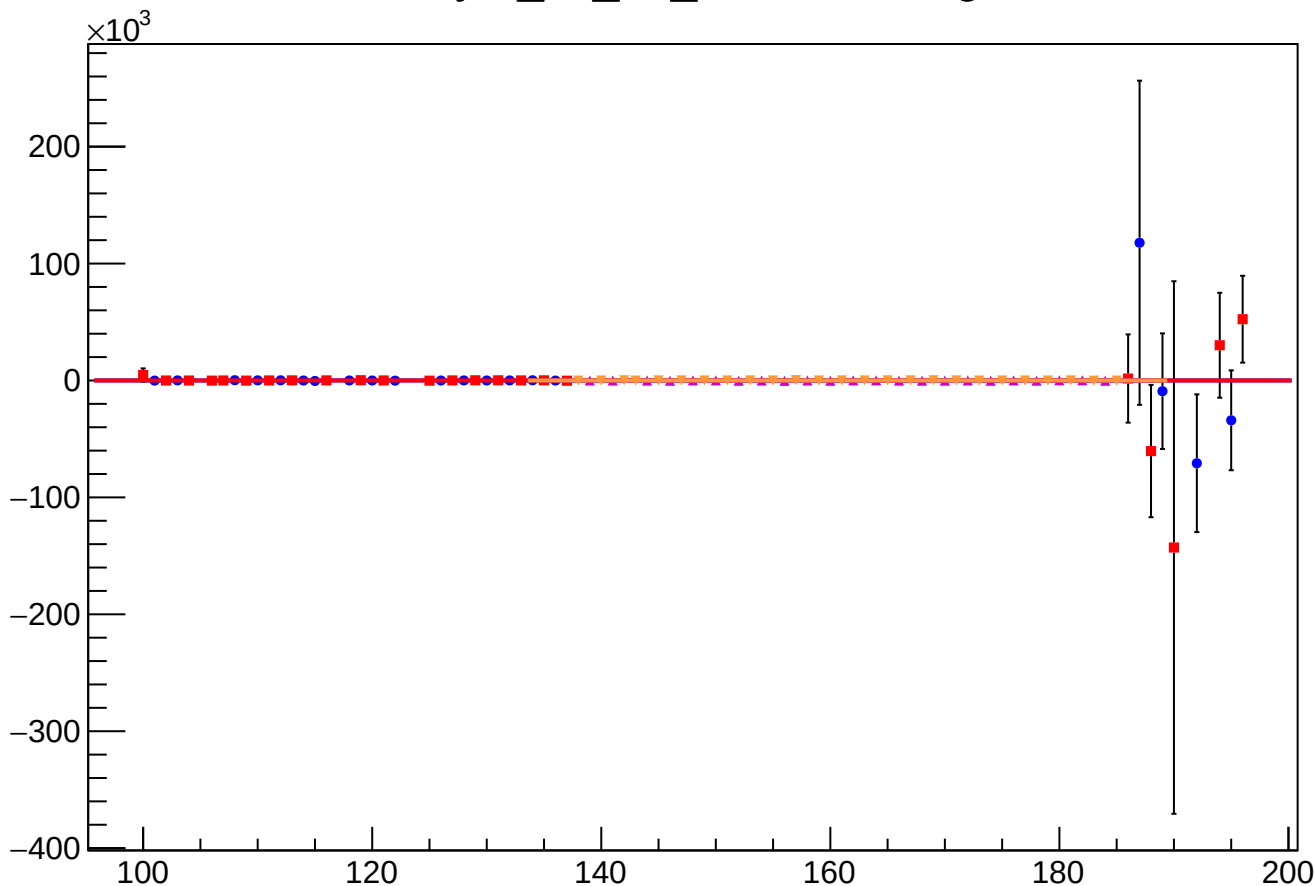
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.391+/-0.000 χ^2/NDF : 3825529.5/44

All: 1.401+/-0.000 χ^2/NDF : 8779979.3/91

- sign 1.412+/-0.000 χ^2/NDF : 4949766.5/46

asym_ds_dd_mean vs Slug



Right In: 7.373 ± 30.020 χ^2/NDF : 16.7/19

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

Right Out: 26.414 ± 30.482 χ^2/NDF : 17.0/22

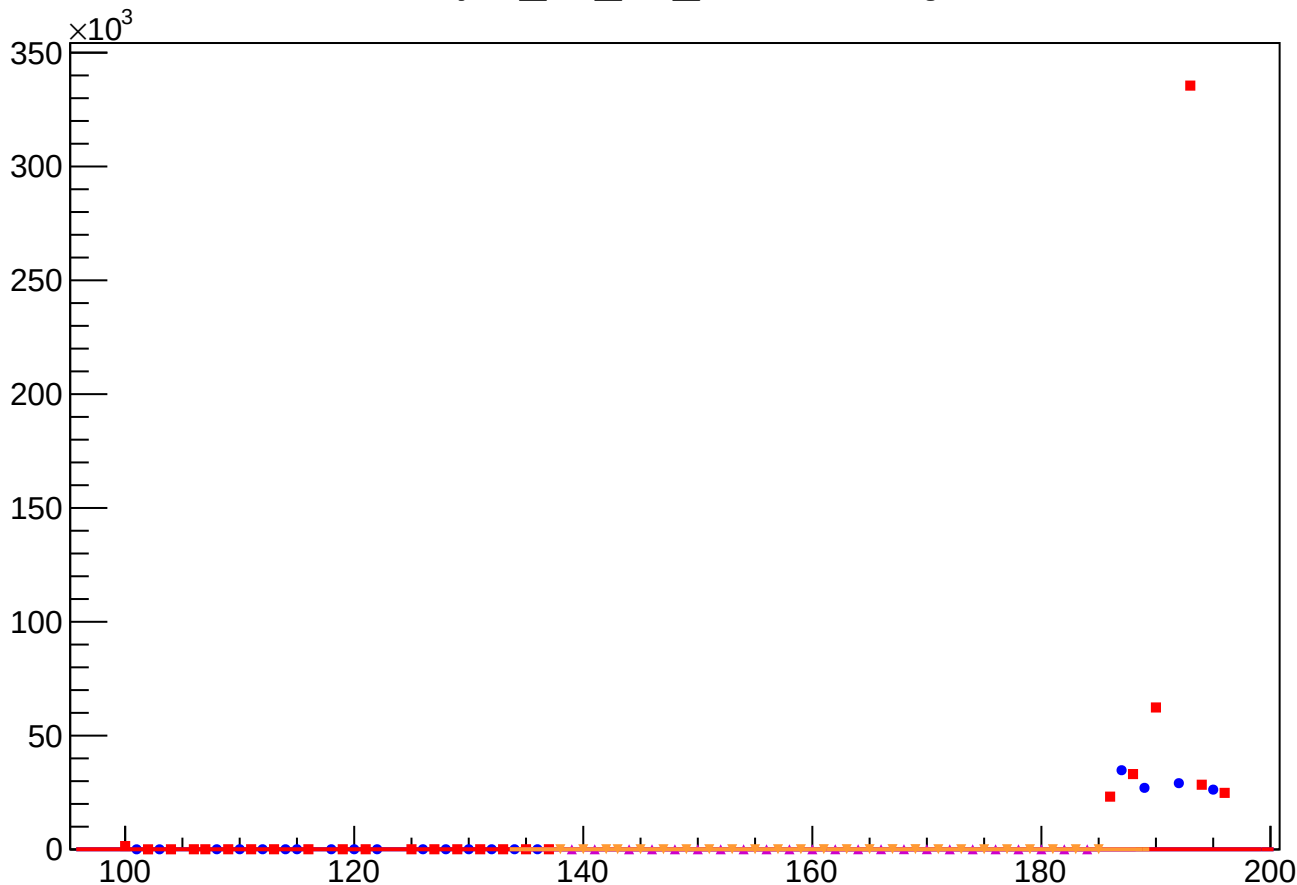
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 9.423 ± 17.192 χ^2/NDF : 35.1/44

All: -5.118 ± 12.306 χ^2/NDF : 88.2/90

- sign -20.398 ± 17.624 χ^2/NDF : 51.6/45

asym_ds_dd_rms vs Slug



Right In: 76.057 $\pm$ 0.021 χ^2 /NDF: 2394800.7/19

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

Right Out: 79.375 $\pm$ 0.022 χ^2 /NDF: 3761237.9/23

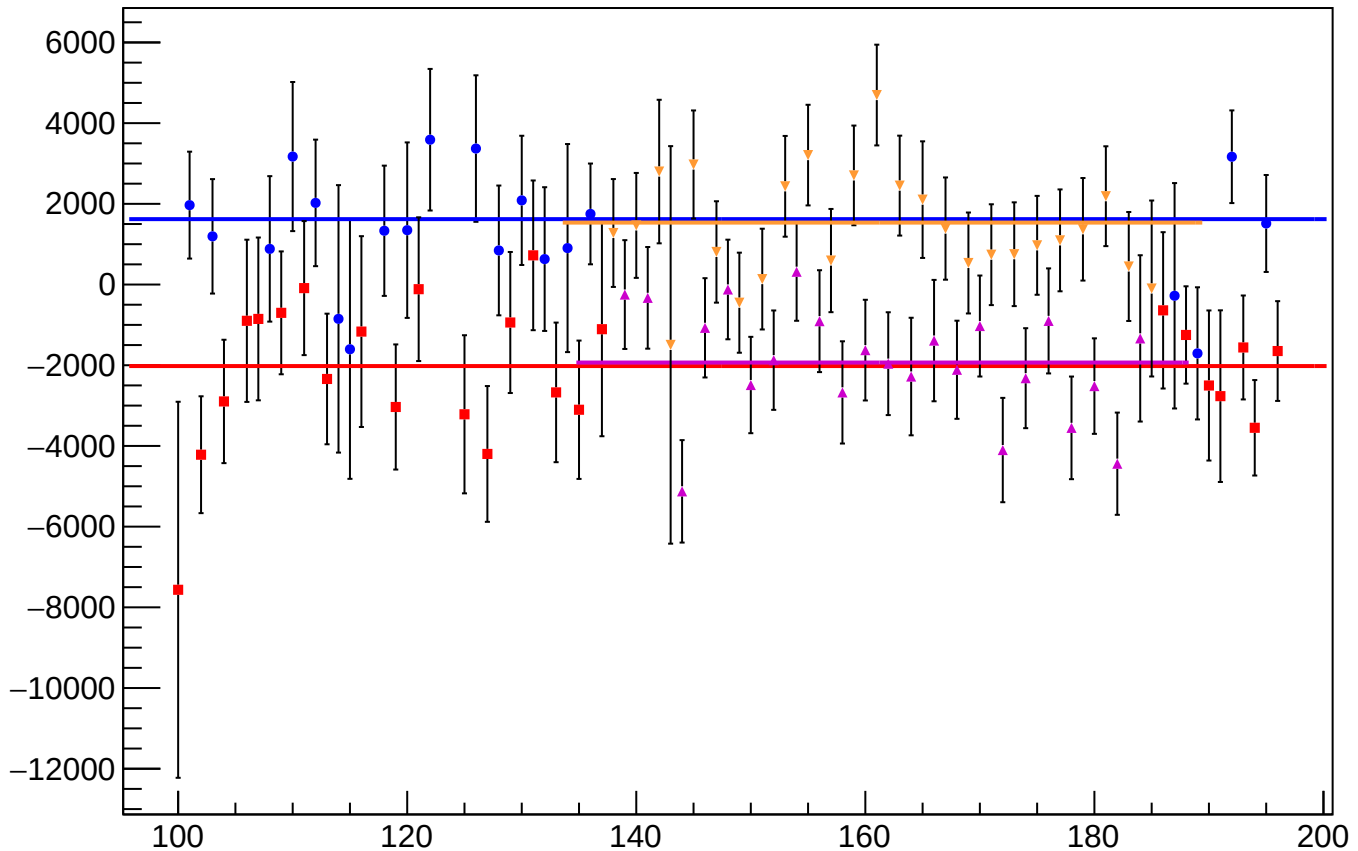
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.115 $\pm$ 0.012 χ^2 /NDF: 3135448.3/44

All: 85.653 $\pm$ 0.009 χ^2 /NDF: 7563964.5/91

- sign 86.218 $\pm$ 0.012 χ^2 /NDF: 4424496.4/46

reg_asym_usl_mean vs Slug



Right In: 1620.987 $\pm$ 369.577 χ^2 /NDF: 12.0/19

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

Right Out: -2020.358 $\pm$ 333.089 χ^2 /NDF: 16.8/24

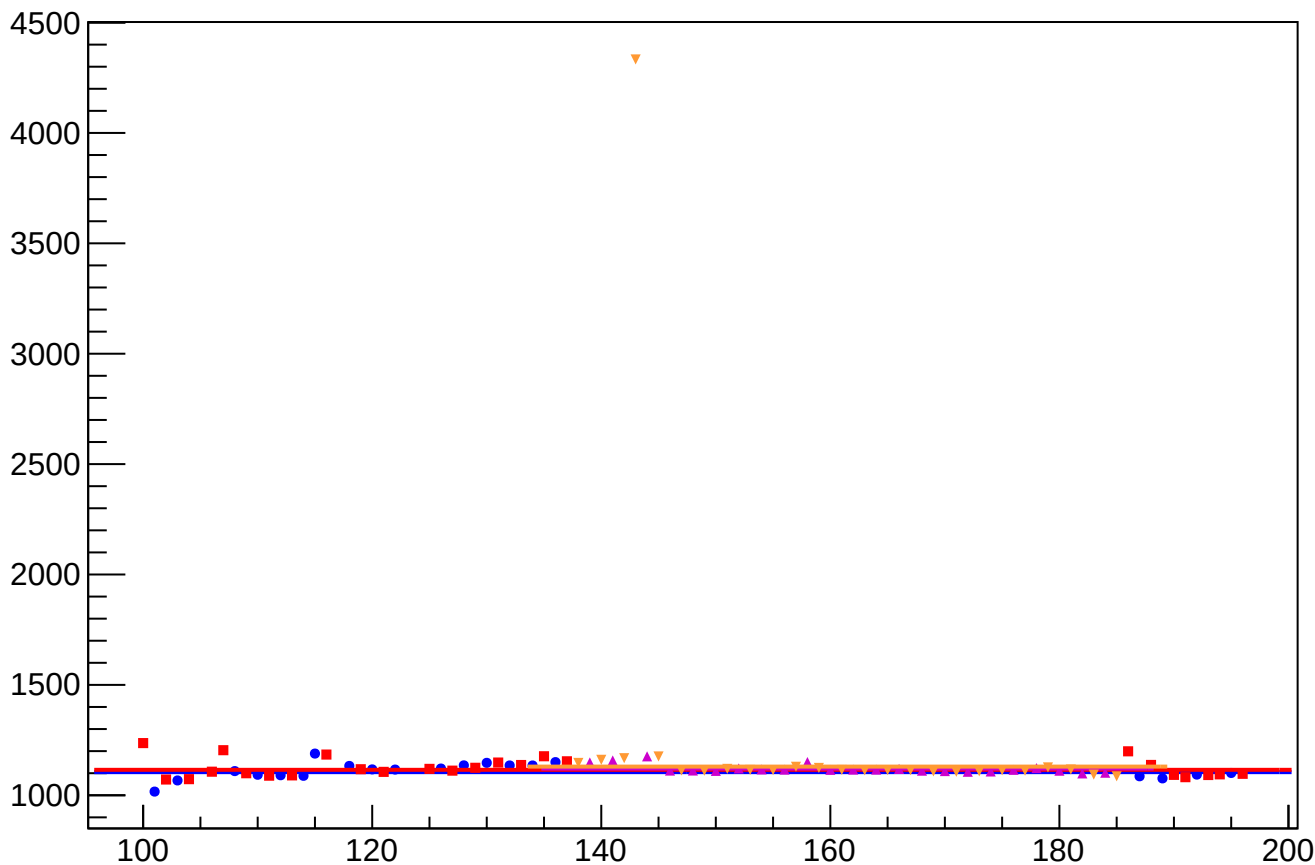
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF: 27.0/22

+ sign 1564.488 $\pm$ 215.831 χ^2 /NDF: 32.4/44

All: -259.823 $\pm$ 150.071 χ^2 /NDF: 214.6/92

- sign -1967.330 $\pm$ 208.808 χ^2 /NDF: 43.8/47

reg_asym_usl_rms vs Slug



Right In: 1104.755+/-0.261 χ^2/NDF : 19343.2/19

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

Right Out: 1115.288+/-0.236 χ^2/NDF : 22530.7/24

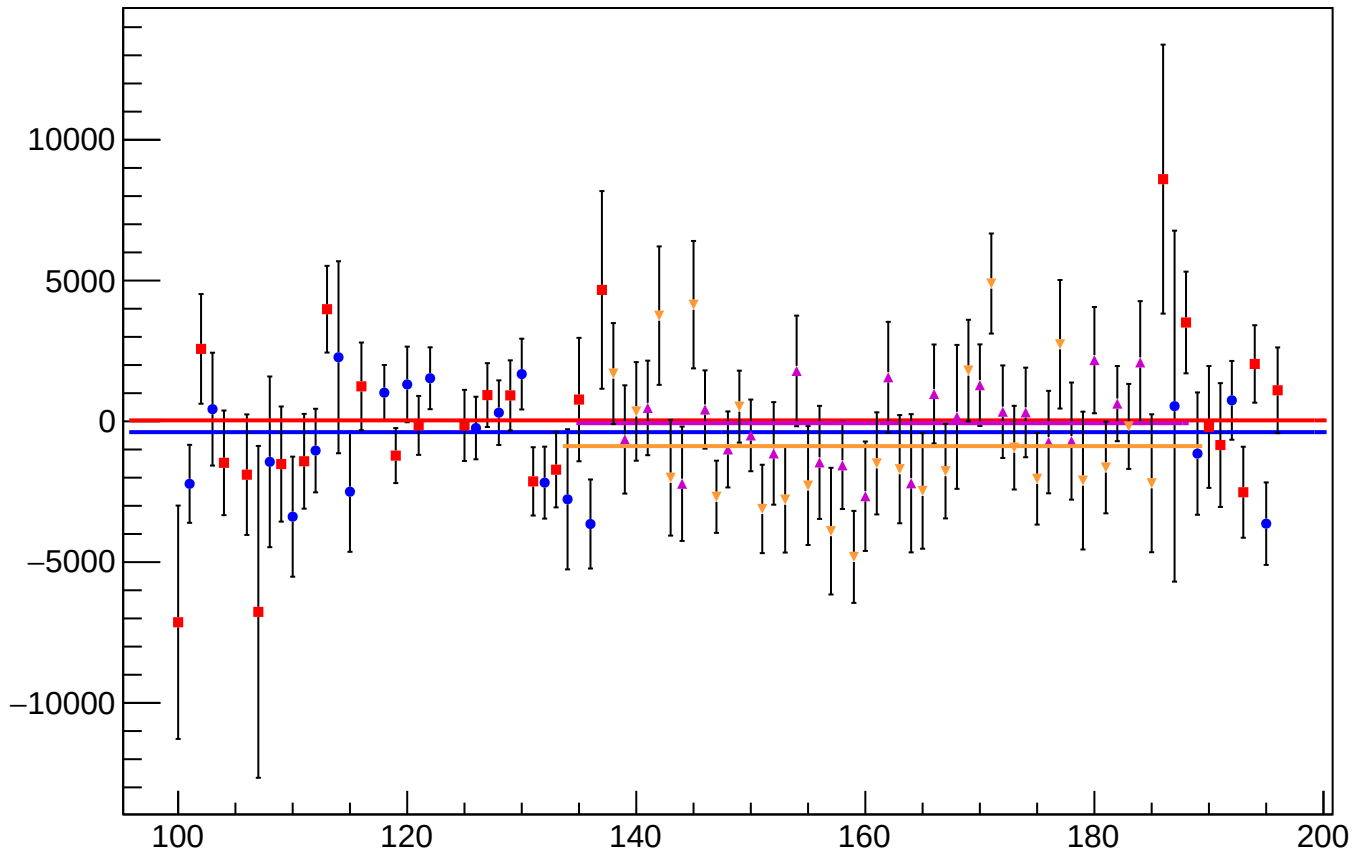
Left In: 1120.991+/-0.190 χ^2/NDF : 9641.8/22

+ sign 1121.325+/-0.153 χ^2/NDF : 883704.4/44

All: 1119.995+/-0.106 χ^2/NDF : 916379.7/92

- sign 1118.750+/-0.148 χ^2/NDF : 32528.3/47

asym_usl_correction_mean vs Slug



Right In: -383.571 $\pm$ 335.816 χ^2/NDF : 28.4/19

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

Right Out: 34.458 $\pm$ 317.244 χ^2/NDF : 37.8/24

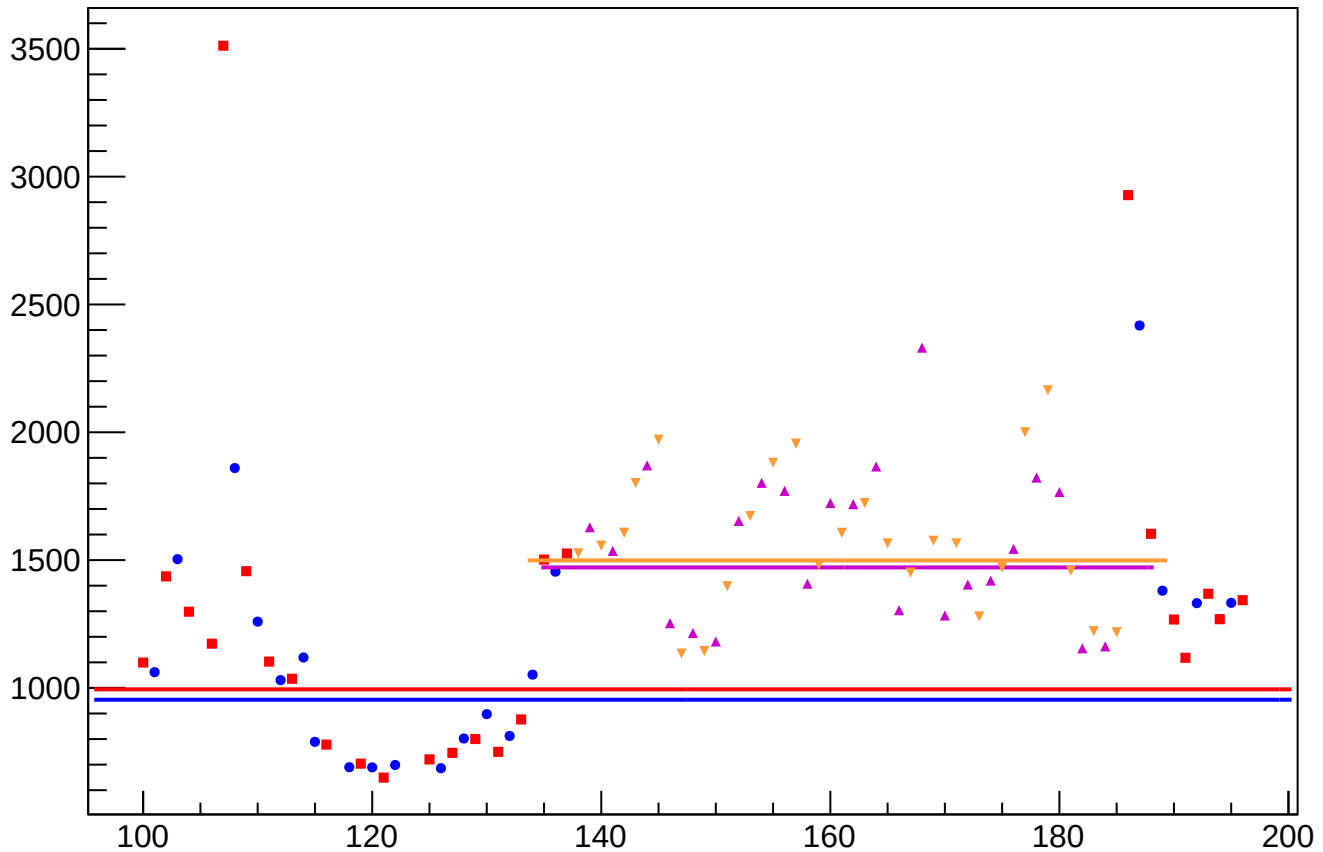
Left In: -65.738 $\pm$ 358.785 χ^2/NDF : 12.1/22

+ sign -617.380 $\pm$ 244.182 χ^2/NDF : 73.0/44

All: -305.219 $\pm$ 170.311 χ^2/NDF : 126.1/92

- sign -9.506 $\pm$ 237.662 χ^2/NDF : 50.0/47

asym_usl_correction_rms vs Slug



Right In: 953.850 ± 0.237 χ^2/NDF : 1584560.7/19

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

Right Out: 994.488 ± 0.224 χ^2/NDF : 2455001.3/24

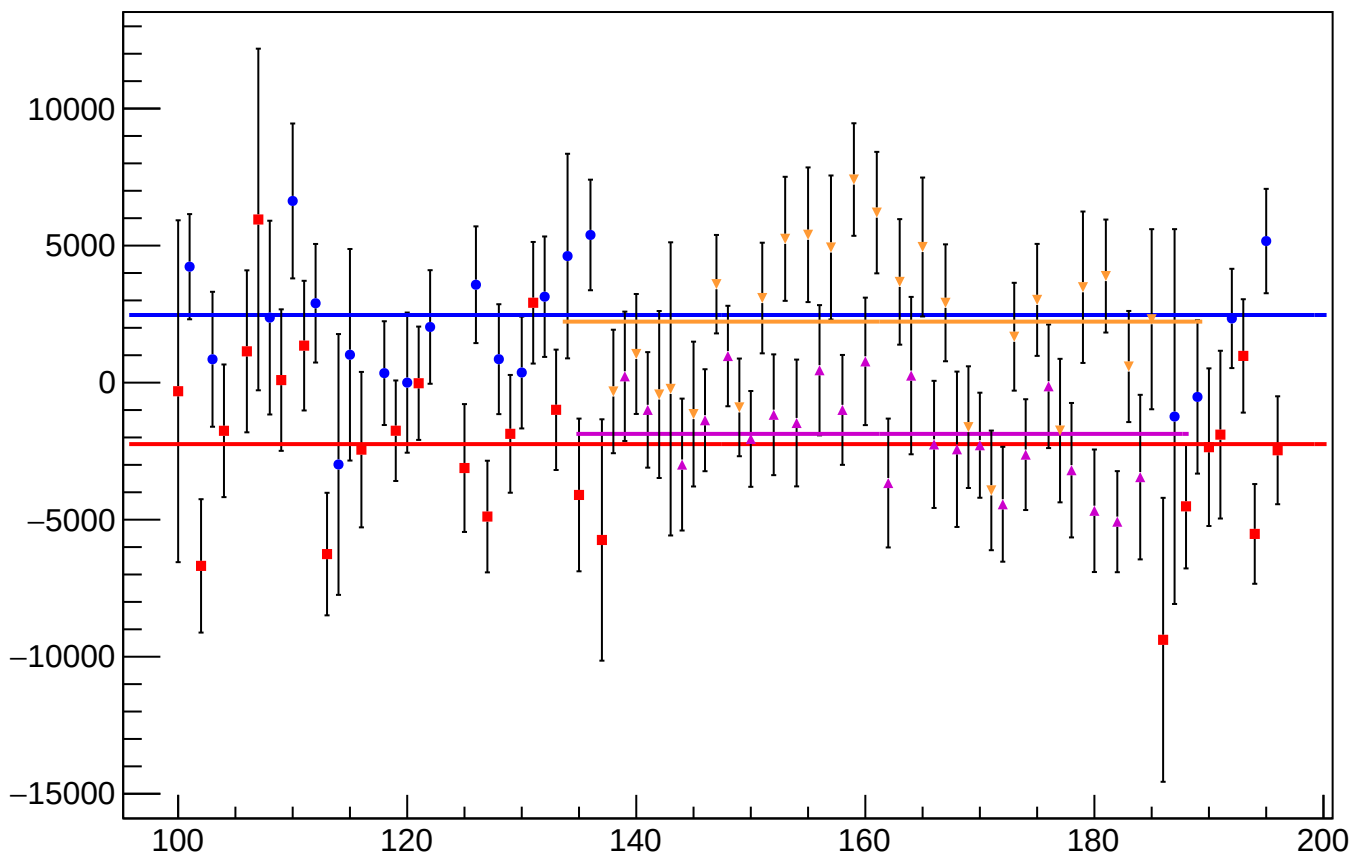
Left In: 1471.394 ± 0.254 χ^2/NDF : 1105310.5/22

+ sign 1210.698 ± 0.173 χ^2/NDF : 5121010.9/44

All: 1207.128 ± 0.120 χ^2/NDF : 10665314.6/9

- sign 1203.745 ± 0.168 χ^2/NDF : 5543471.2/47

asym_usl_mean vs Slug



Right In: 2468.016 ± 527.363 $\chi^2/\text{NDF}: 15.1/19$

Left Out: 2226.533 ± 454.821 $\chi^2/\text{NDF}: 38.8/24$

Right Out: -2242.625 ± 489.351 $\chi^2/\text{NDF}: 31.3/24$

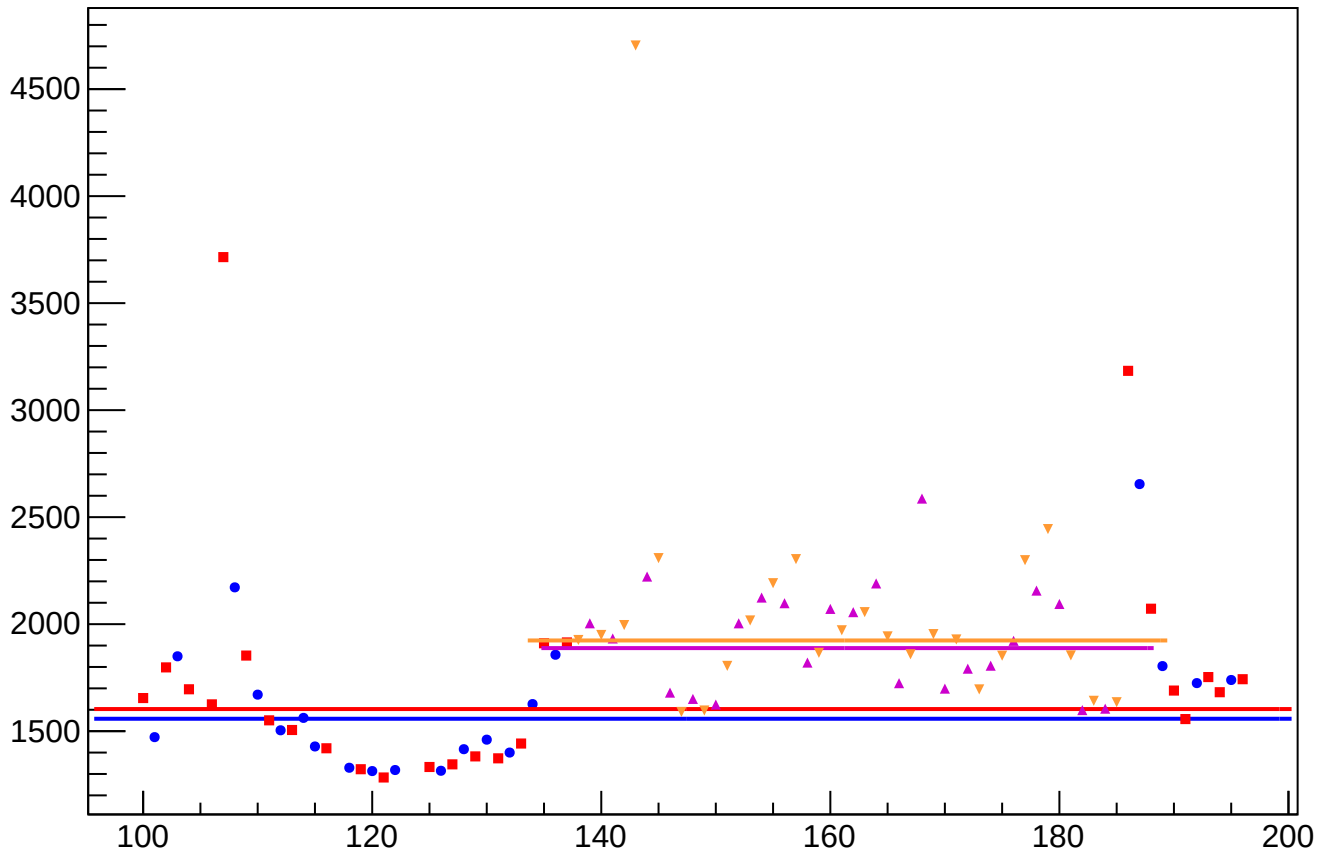
Left In: -1869.792 ± 455.465 $\chi^2/\text{NDF}: 14.9/22$

+ sign 2329.536 ± 344.422 $\chi^2/\text{NDF}: 54.0/44$

All: 72.252 ± 239.551 $\chi^2/\text{NDF}: 183.7/92$

- sign -2042.854 ± 333.399 $\chi^2/\text{NDF}: 46.5/47$

asym_usl_rms vs Slug



Right In: 1557.986 $\pm$ 0.373 χ^2 /NDF: 370981.0/19

Left Out: 1923.833 $\pm$ 0.322 χ^2 /NDF: 1006152.2/24

Right Out: 1603.355 $\pm$ 0.346 χ^2 /NDF: 817643.7/24

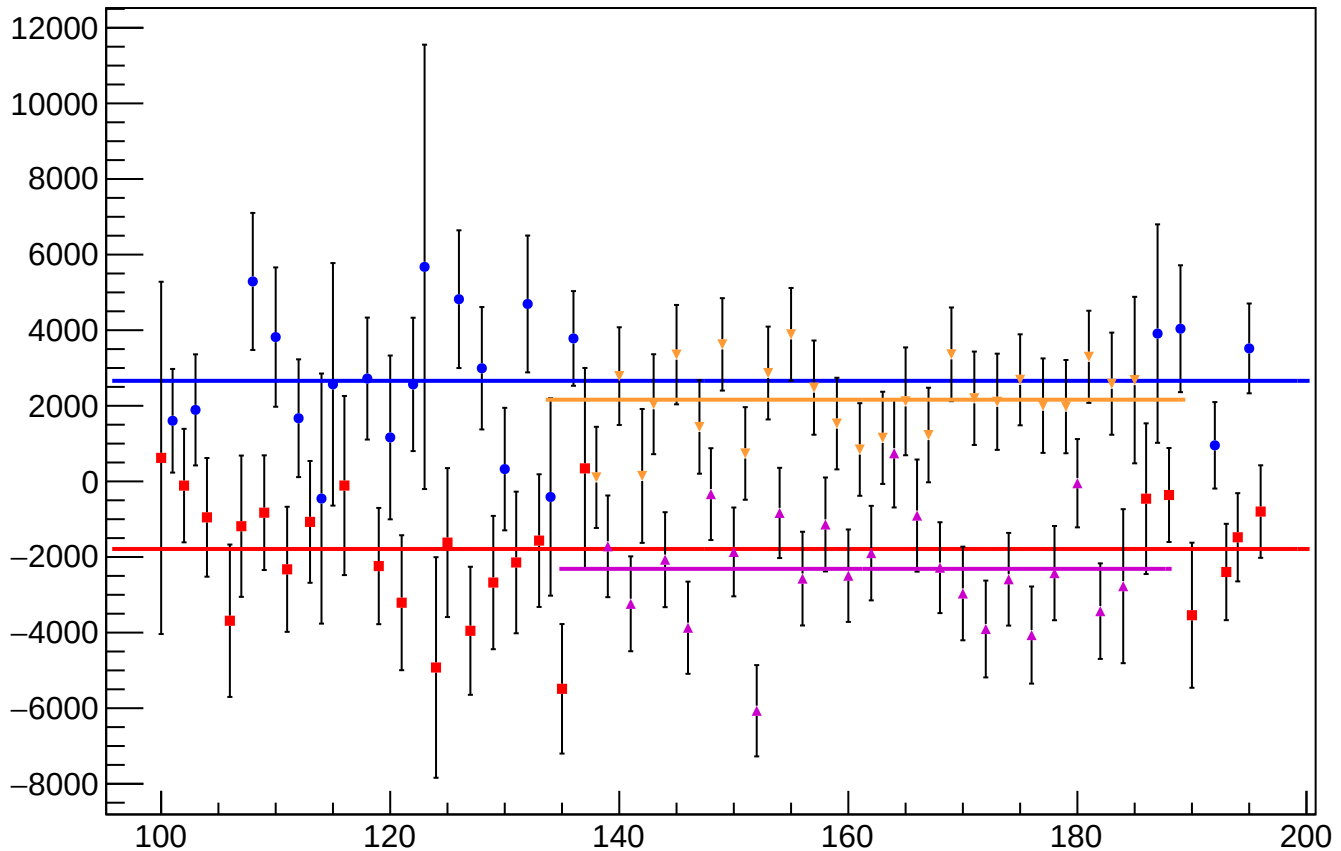
Left In: 1888.121 $\pm$ 0.322 χ^2 /NDF: 504568.6/22

+ sign 1767.784 $\pm$ 0.244 χ^2 /NDF: 1929098.3/44

All: 1761.668 $\pm$ 0.169 χ^2 /NDF: 3615430.6/92

- sign 1755.938 $\pm$ 0.236 χ^2 /NDF: 1685111.0/47

reg_asym_usr_mean vs Slug



Right In: 2660.467 $\pm$ 371.570 χ^2 /NDF: 16.0/20

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

Right Out: -1787.455 $\pm$ 336.082 χ^2 /NDF: 16.7/24

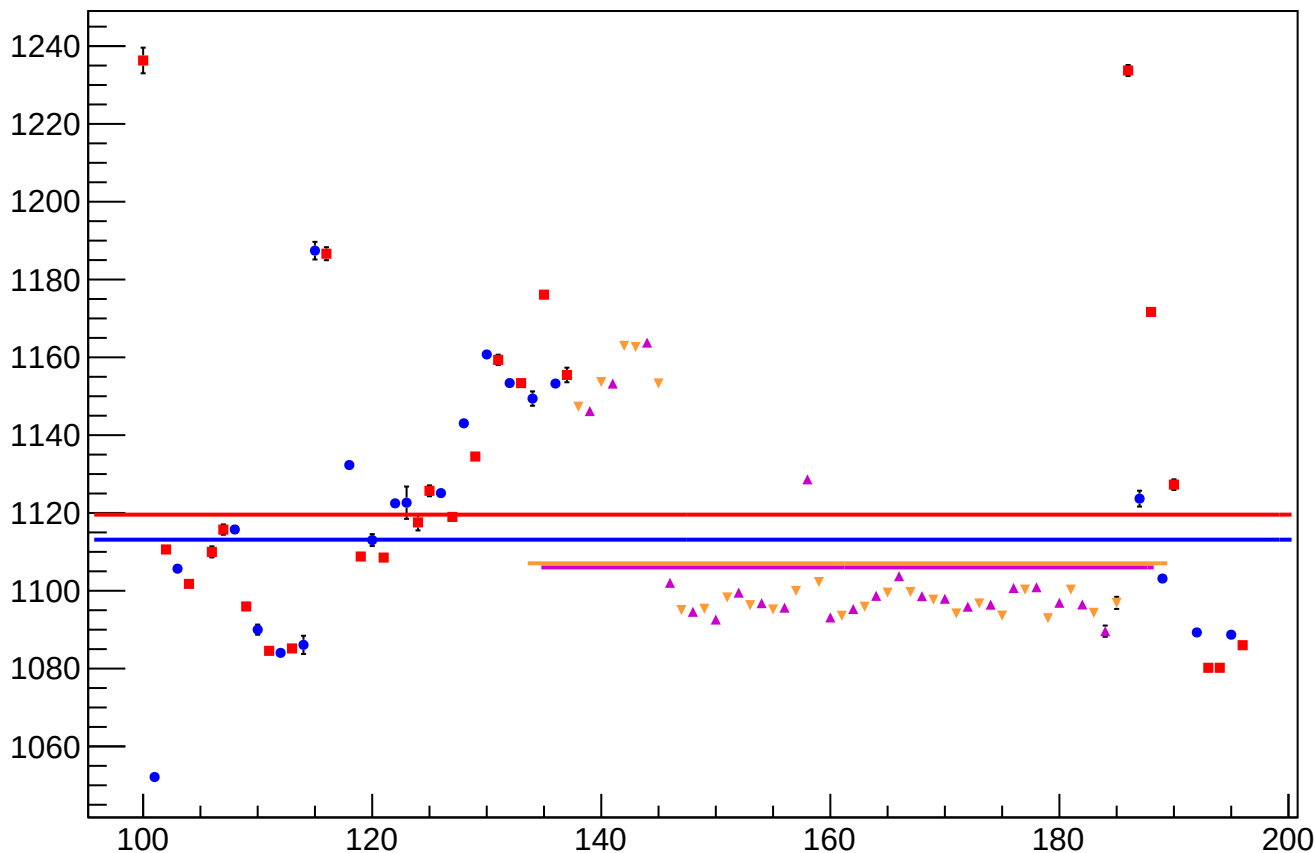
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2323.351 $\pm$ 211.655 χ^2 /NDF: 32.3/45

All: 64.896 $\pm$ 148.287 χ^2 /NDF: 305.4/93

- sign -2112.367 $\pm$ 207.816 χ^2 /NDF: 49.5/47

reg_asym_usr_rms vs Slug



Right In: 1113.134 $\pm$ 0.263 χ^2 /NDF: 14315.6/20

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

Right Out: 1119.568 $\pm$ 0.238 χ^2 /NDF: 25854.2/24

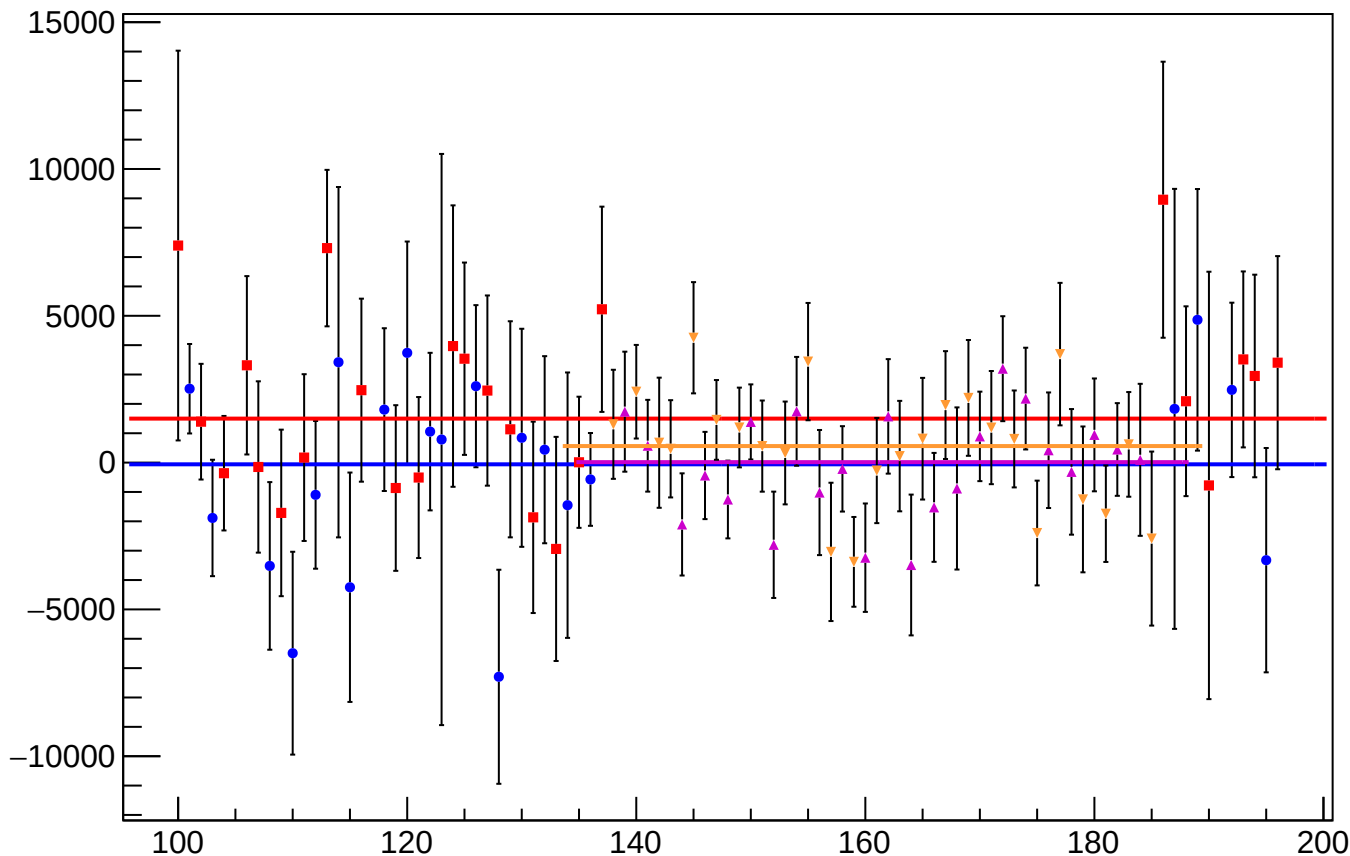
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1109.029 $\pm$ 0.150 χ^2 /NDF: 29852.7/45

All: 1110.127 $\pm$ 0.105 χ^2 /NDF: 69378.5/93

- sign 1111.186 $\pm$ 0.147 χ^2 /NDF: 39420.0/47

asym_usr_correction_mean vs Slug



Right In: -58.467 ± 623.860 χ^2/NDF : 19.8/20

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

Right Out: 1498.270 ± 608.334 χ^2/NDF : 18.3/24

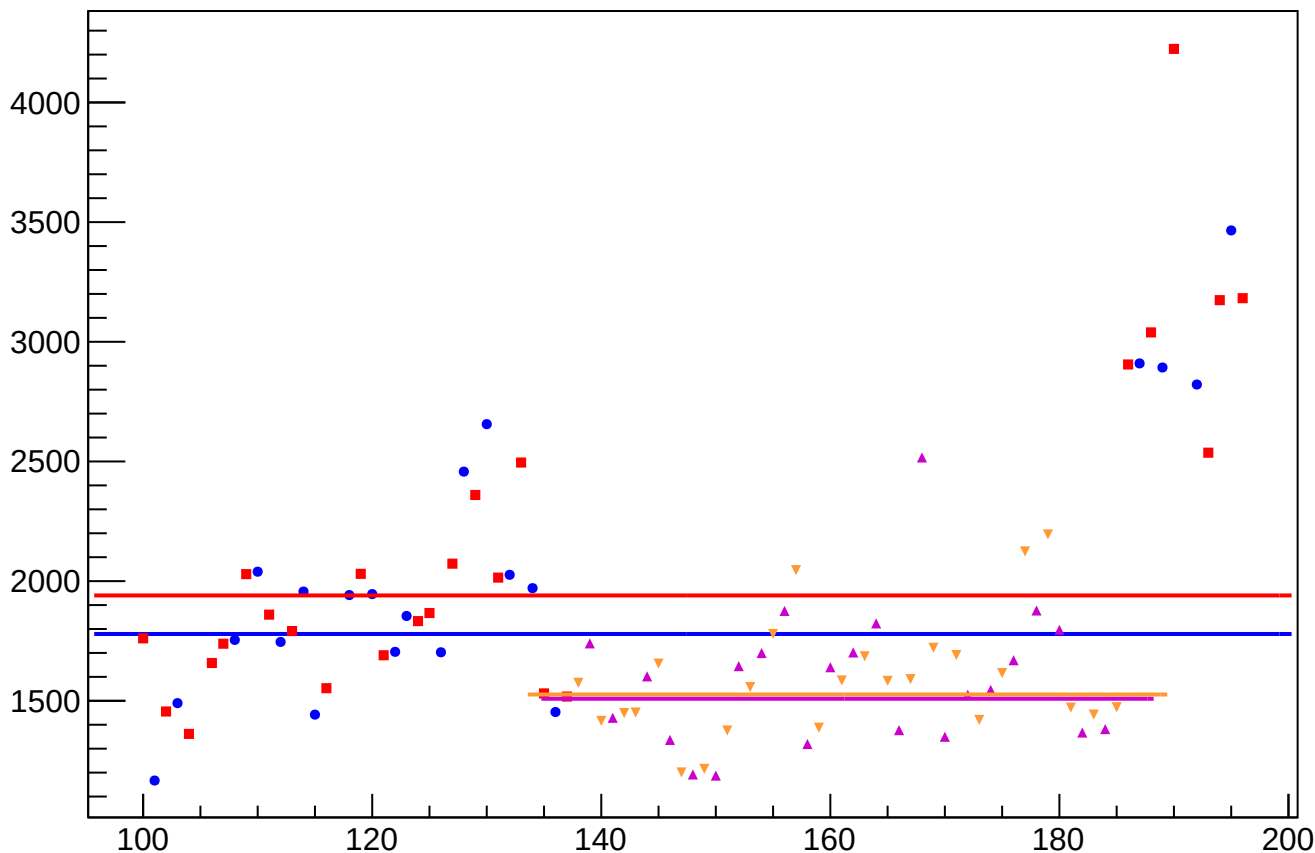
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 407.381 ± 312.394 χ^2/NDF : 47.3/45

All: 409.153 ± 221.515 χ^2/NDF : 90.1/93

- sign 410.944 ± 314.152 χ^2/NDF : 42.8/47

asym_usr_correction_rms vs Slug



Right In: 1779.205 ± 0.441 χ^2/NDF : 1495868.7/20

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

Right Out: 1940.191 ± 0.430 χ^2/NDF : 1637587.2/24

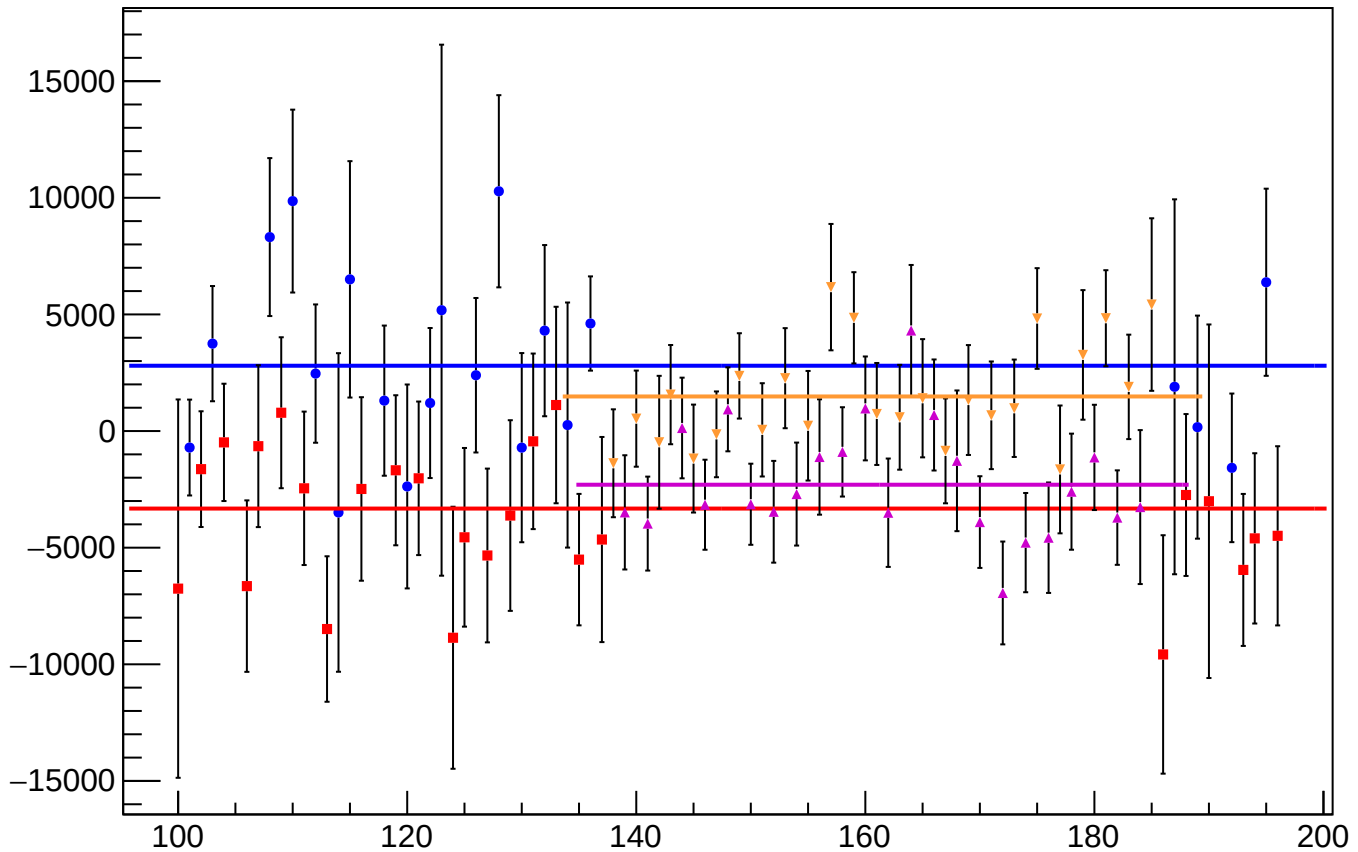
Left In: 1508.581 ± 0.259 χ^2/NDF : 931684.8/22

+ sign 1589.783 ± 0.221 χ^2/NDF : 2495668.7/45

All: 1606.638 ± 0.157 χ^2/NDF : 5814929.6/93

- sign 1623.684 ± 0.222 χ^2/NDF : 3307550.5/47

asym_usr_mean vs Slug



Right In: 2799.936+/-752.315 χ^2/NDF : 20.5/20

Left Out: 1482.365+/-449.983 χ^2/NDF :20.9/24

Right Out: -3323.306+/-716.213 χ^2/NDF : 14.4/24

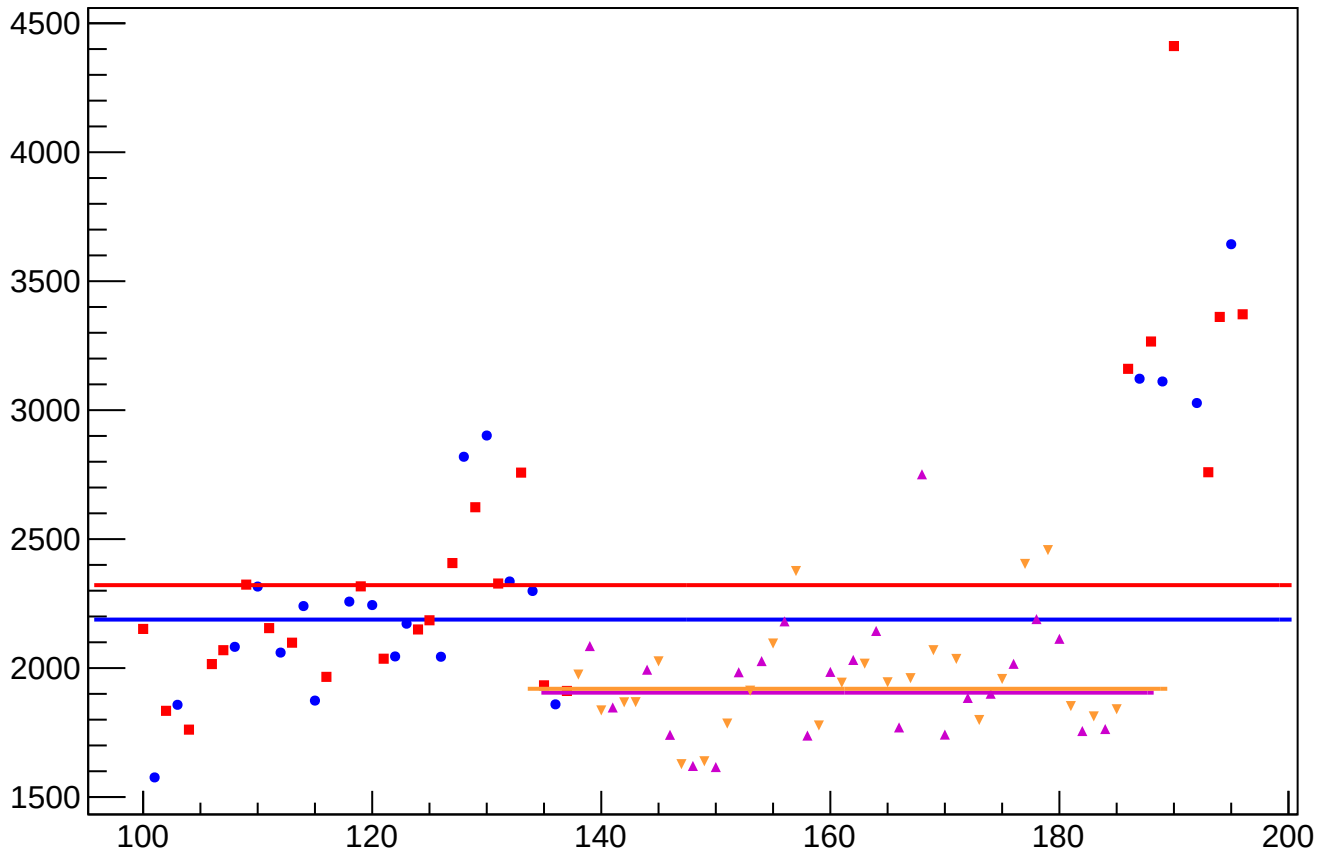
Left In: -2301.247+/-459.040 χ^2/NDF :24.8/22

+ sign 1829.536+/-386.175 χ^2/NDF : 43.7/45

All: -382.946+/-273.173 χ^2/NDF : 150.1/93

- sign -2598.846+/-386.474 χ^2/NDF : 40.6/47

asym_usr_rms vs Slug



Right In: 2188.035 $\pm$ 0.532 χ^2 /NDF: 907532.3/20

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

Right Out: 2321.535 $\pm$ 0.506 χ^2 /NDF: 1043852.6/24

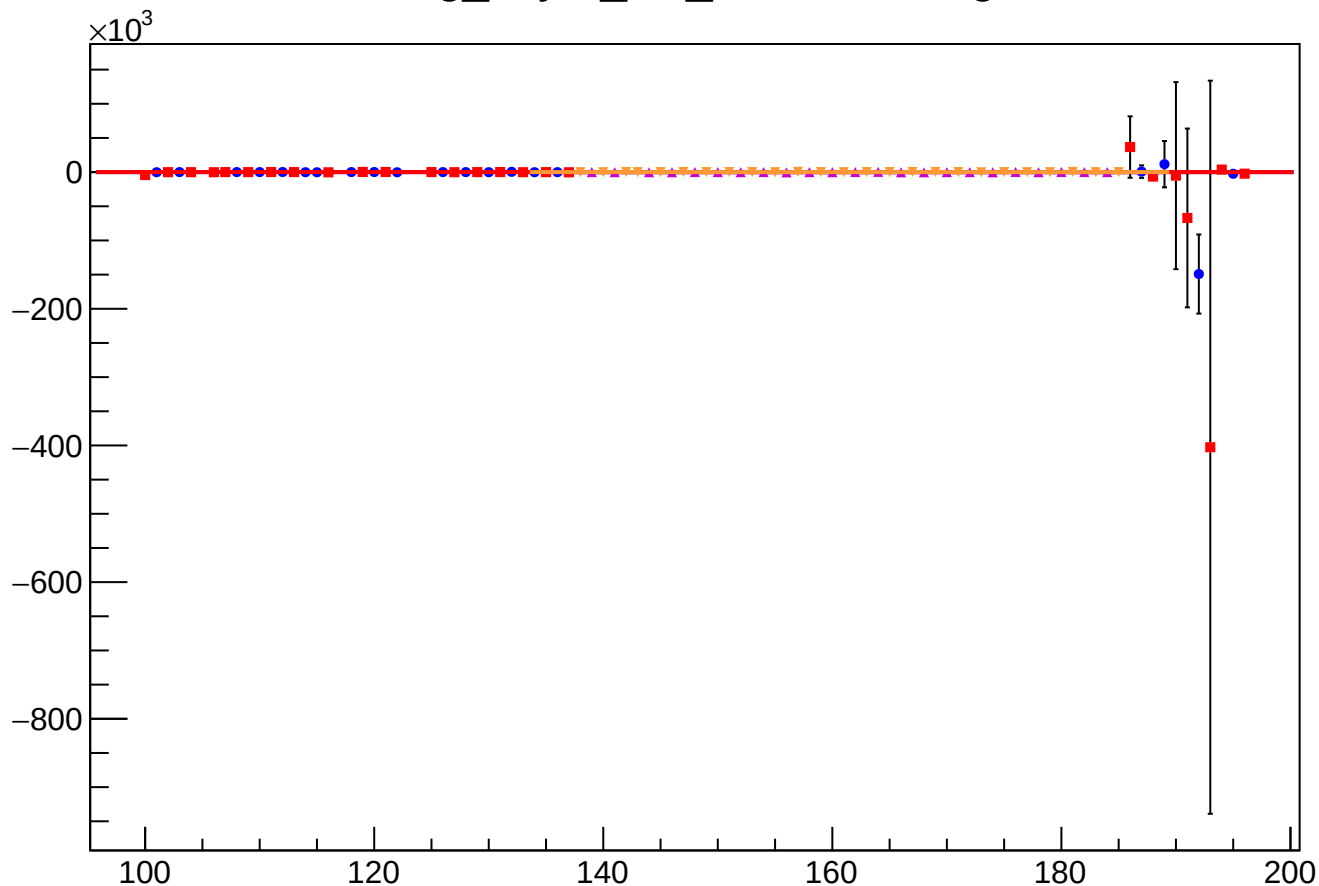
Left In: 1904.629 $\pm$ 0.325 χ^2 /NDF: 447350.7/22

+ sign 1990.428 $\pm$ 0.273 χ^2 /NDF: 1461102.8/45

All: 2008.211 $\pm$ 0.193 χ^2 /NDF: 3441149.2/93

- sign 2026.022 $\pm$ 0.273 χ^2 /NDF: 1971557.6/47

reg_asym_dsl_mean vs Slug



Right In: -0.985 ± 36.770 χ^2/NDF : 23.6/19

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

Right Out: -1.809 ± 36.753 χ^2/NDF : 17.2/24

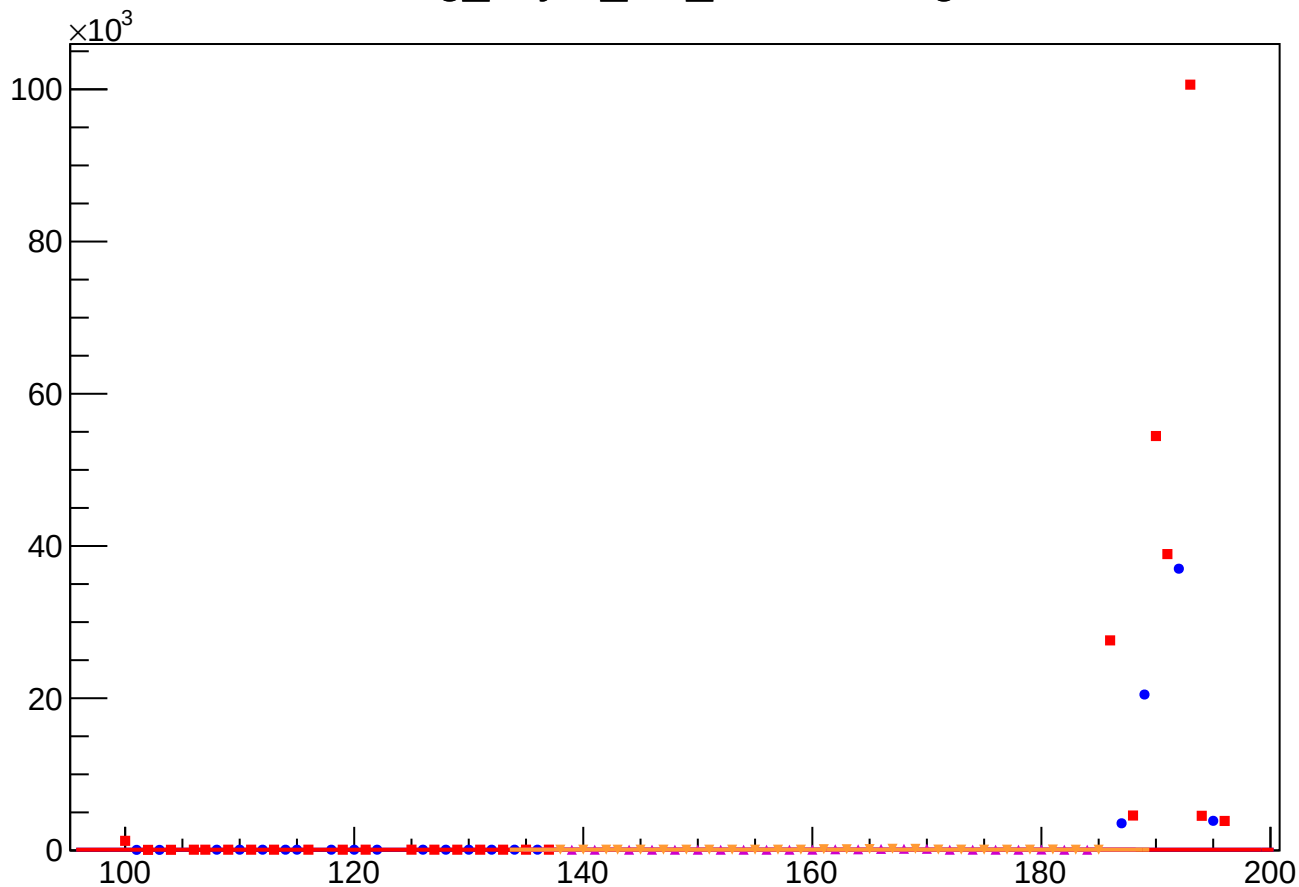
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 4.807 ± 20.994 χ^2/NDF : 60.1/44

All: -5.876 ± 14.990 χ^2/NDF : 114.6/92

- sign -16.988 ± 21.411 χ^2/NDF : 53.9/47

reg_asym_dsl_rms vs Slug



Right In: 94.426 $\pm$ 0.026 χ^2 /NDF: 3587318.6/19

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

Right Out: 96.970 $\pm$ 0.026 χ^2 /NDF: 5210441.7/24

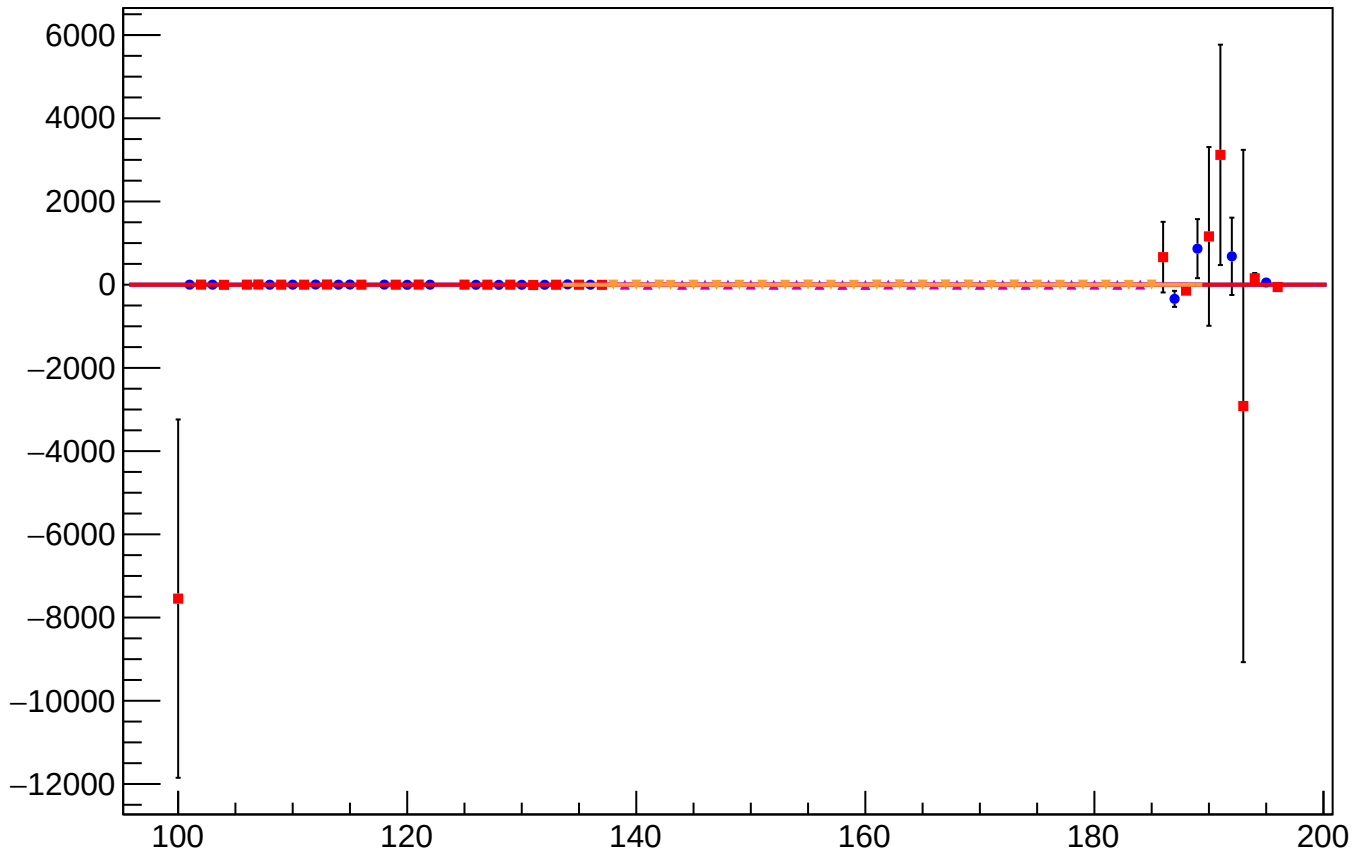
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.298 $\pm$ 0.015 χ^2 /NDF: 5207452.0/44

All: 103.662 $\pm$ 0.011 χ^2 /NDF: 12022194.6/92

- sign 104.040 $\pm$ 0.015 χ^2 /NDF: 6813519.1/47

asym_dsl_correction_mean vs Slug



Right In: 0.391 ± 0.617 χ^2/NDF : 16.1/19

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

Right Out: 0.340 ± 0.644 χ^2/NDF : 27.4/24

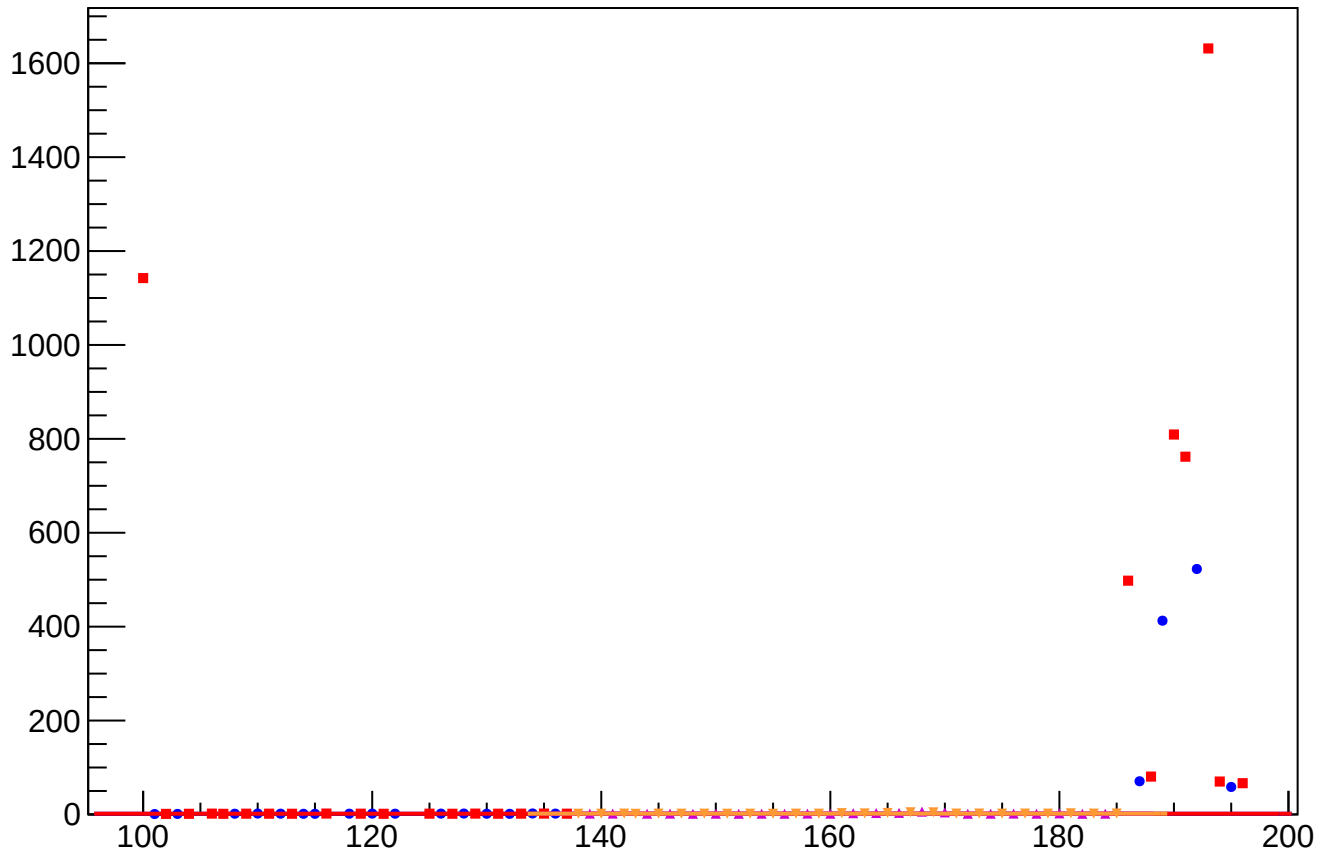
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.353 ± 0.368 χ^2/NDF : 52.5/44

All: -0.106 ± 0.267 χ^2/NDF : 106.0/92

- sign 0.166 ± 0.387 χ^2/NDF : 52.5/47

asym_dsl_correction_rms vs Slug



Right In: 1.426+/-0.000 χ^2/NDF : 3571946.7/19

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

Right Out: 1.564+/-0.000 χ^2/NDF : 4694512.2/24

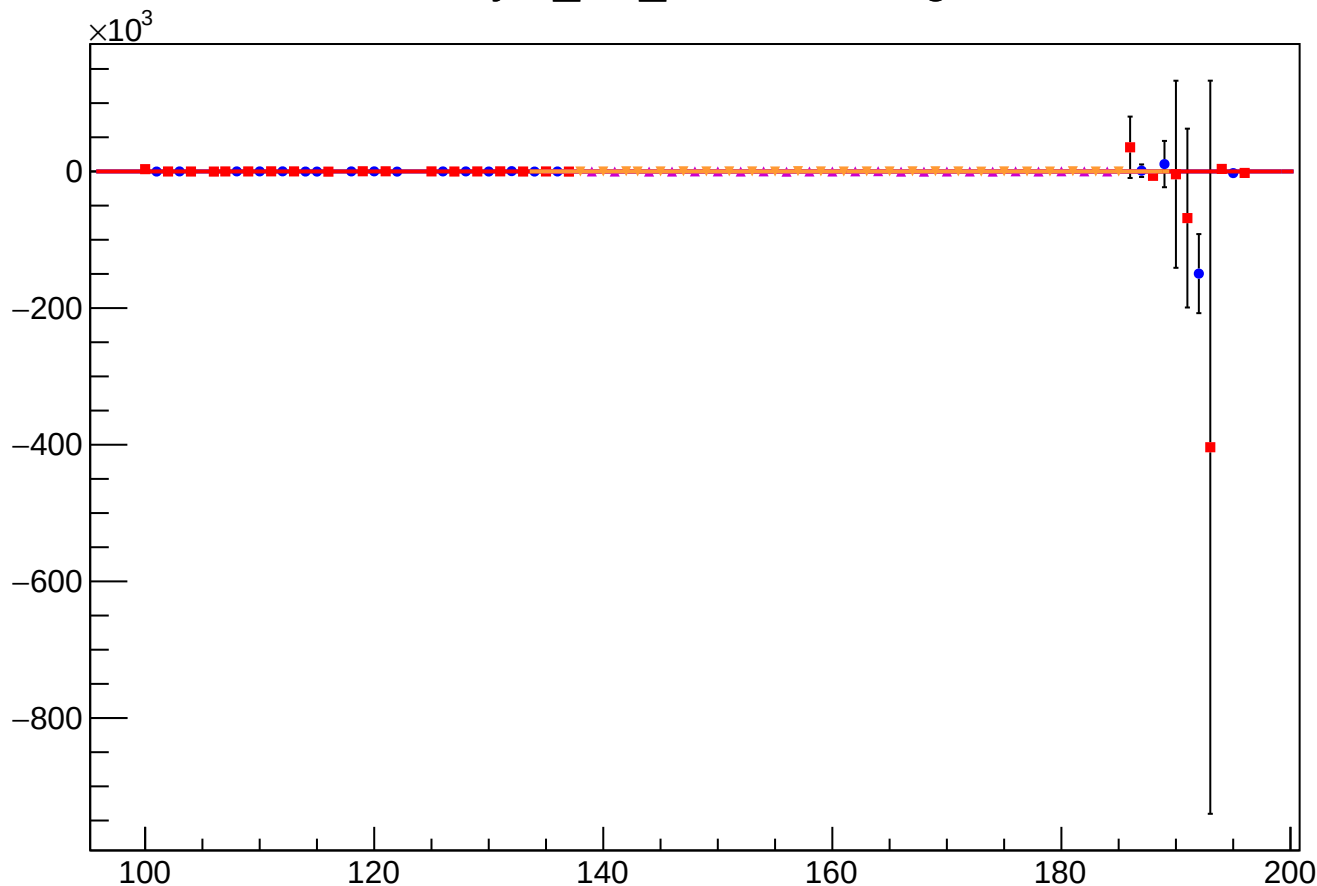
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.632+/-0.000 χ^2/NDF : 5603576.0/44

All: 1.672+/-0.000 χ^2/NDF : 12443712.4/92

- sign 1.716+/-0.000 χ^2/NDF : 6790327.6/47

asym_dsl_mean vs Slug



Right In: -0.686 ± 36.779 χ^2/NDF : 23.8/19

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

Right Out: -1.565 ± 36.763 χ^2/NDF : 16.7/24

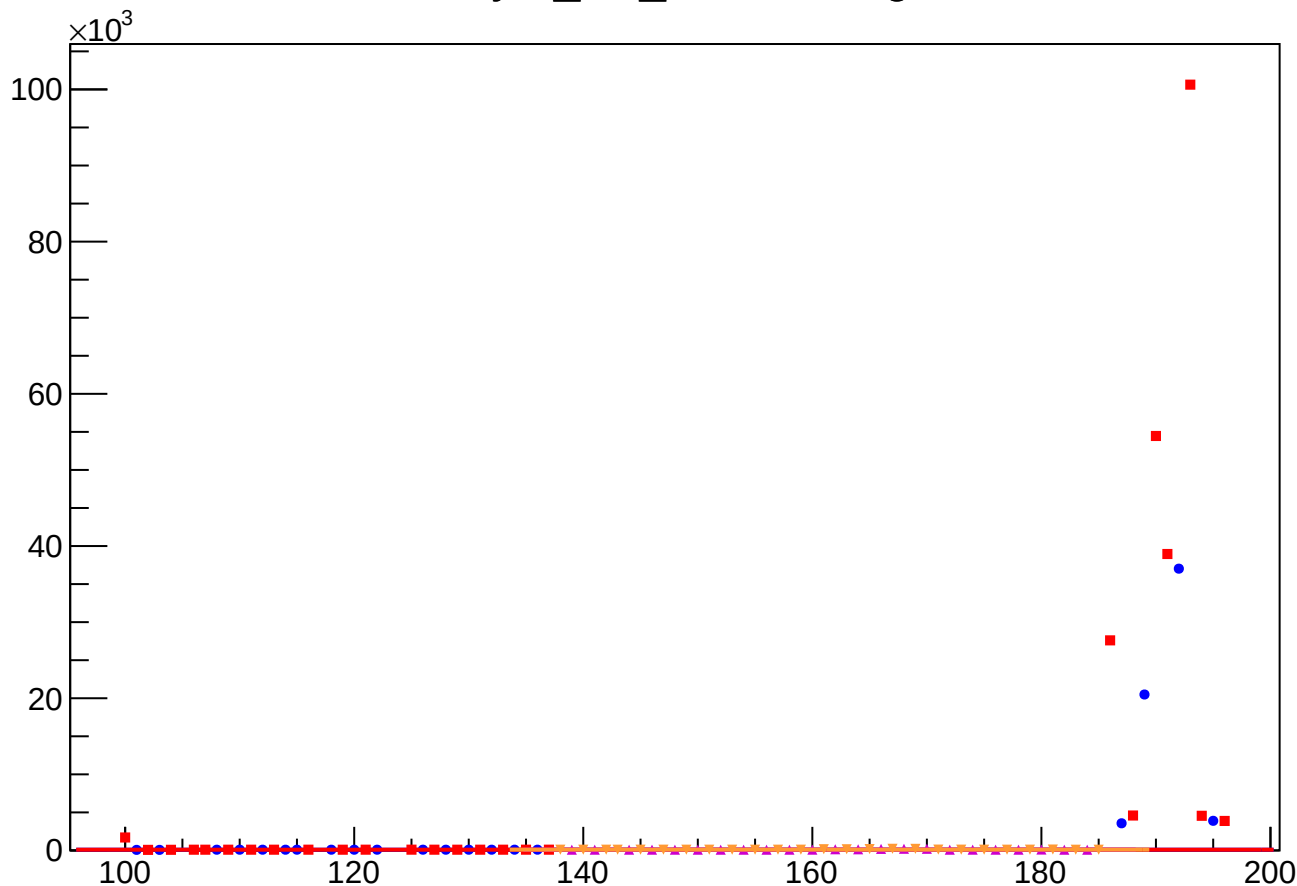
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 5.446 ± 21.000 χ^2/NDF : 60.2/44

All: -5.680 ± 14.995 χ^2/NDF : 113.4/92

- sign -17.252 ± 21.418 χ^2/NDF : 52.7/47

asym_dsl_rms vs Slug



Right In: 94.451 $\pm$ 0.026 χ^2 /NDF: 3587306.0/19

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

Right Out: 96.979 $\pm$ 0.026 χ^2 /NDF: 5215638.7/24

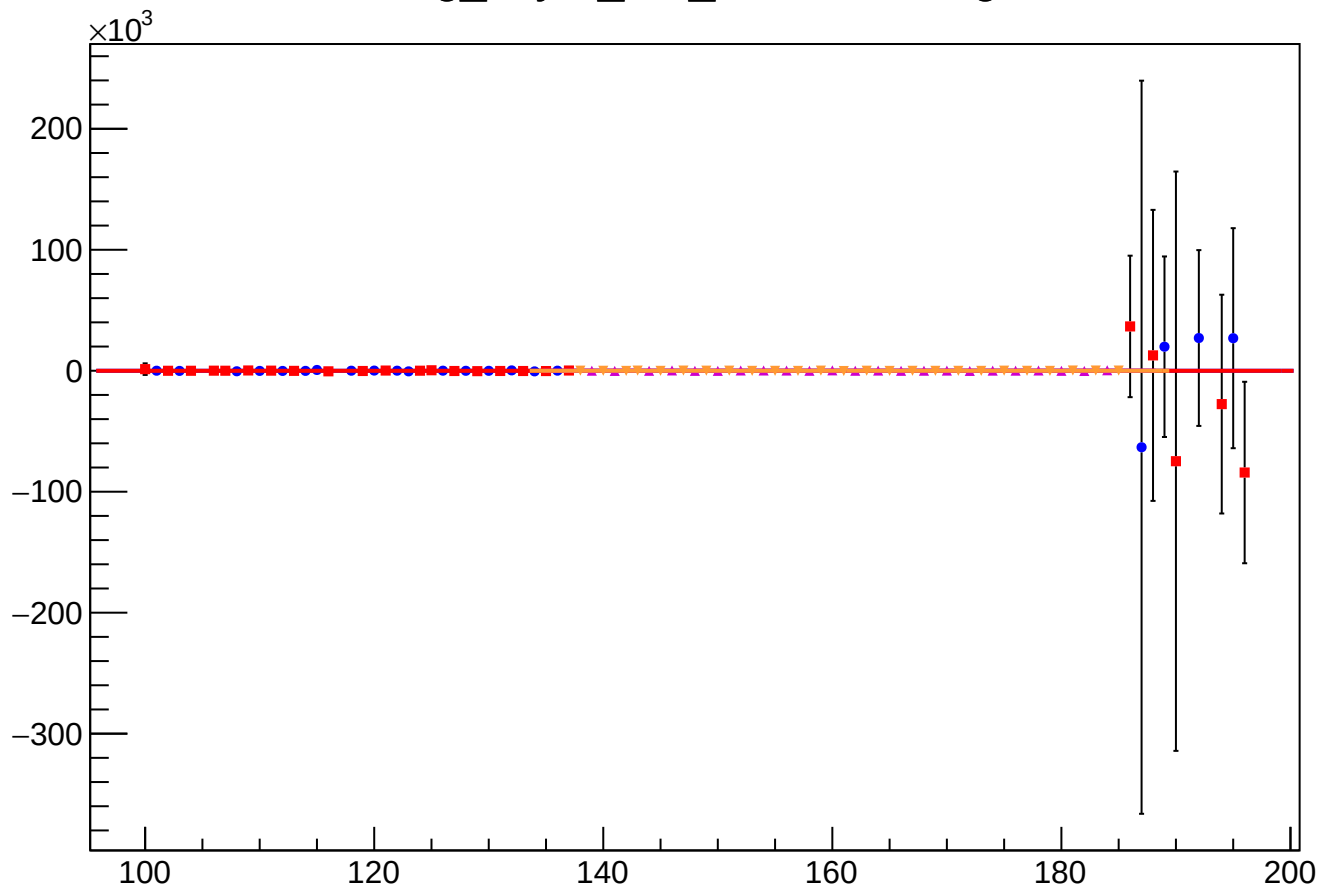
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.327 $\pm$ 0.015 χ^2 /NDF: 5208903.1/44

All: 103.688 $\pm$ 0.011 χ^2 /NDF: 12030521.3/92

- sign 104.063 $\pm$ 0.015 χ^2 /NDF: 6820411.9/47

reg_asym_dsr_mean vs Slug



Right In: -26.773 ± 46.841 χ^2/NDF : 14.8/20

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

Right Out: -53.402 ± 47.775 χ^2/NDF : 17.3/23

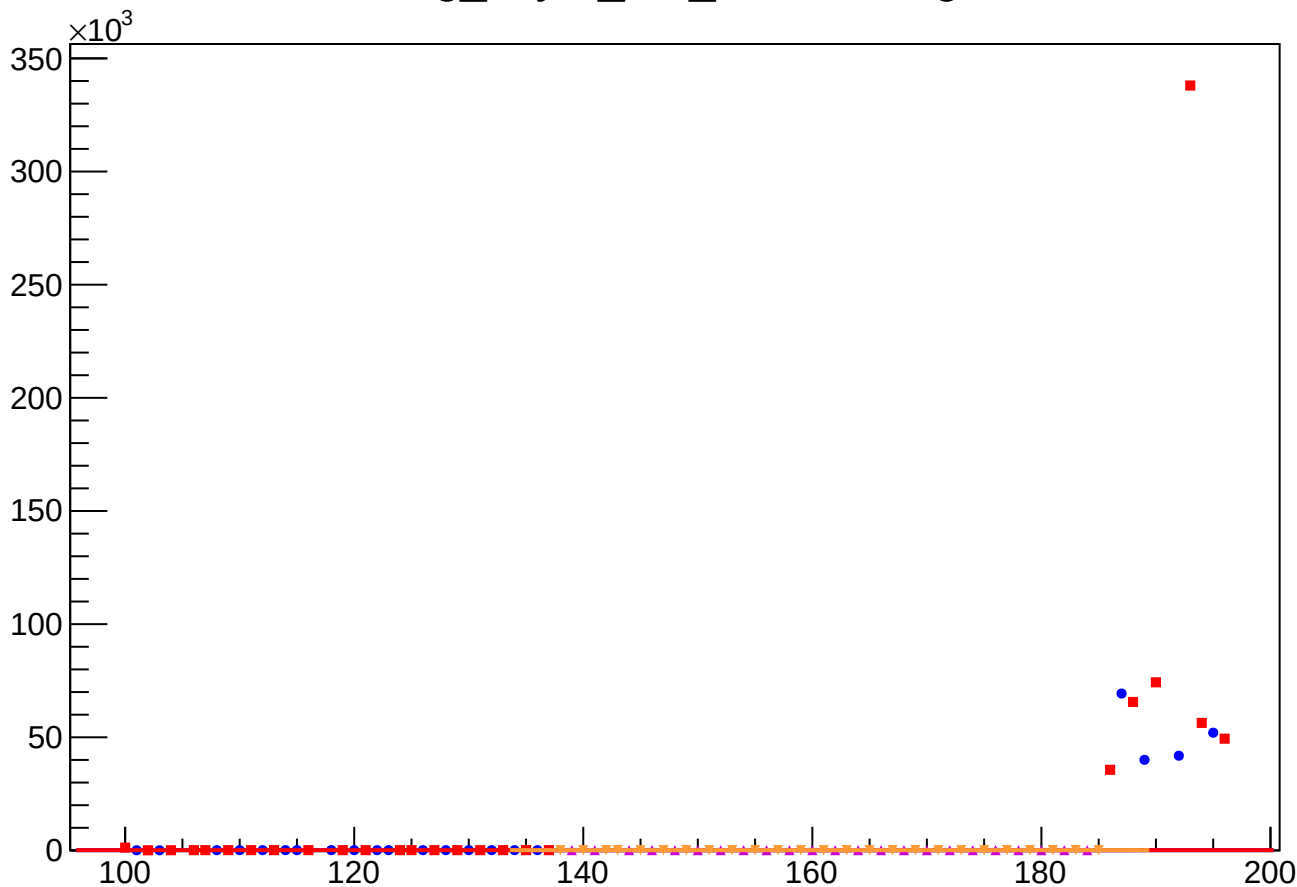
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.278 ± 26.458 χ^2/NDF : 26.8/45

All: 4.348 ± 18.939 χ^2/NDF : 68.9/92

- sign 27.070 ± 27.121 χ^2/NDF : 40.7/46

reg_asym_dsr_rms vs Slug



Right In: 117.814 $\pm$ 0.033 χ^2 /NDF: 2820937.9/20

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

Right Out: 124.802 $\pm$ 0.034 χ^2 /NDF: 4078206.3/24

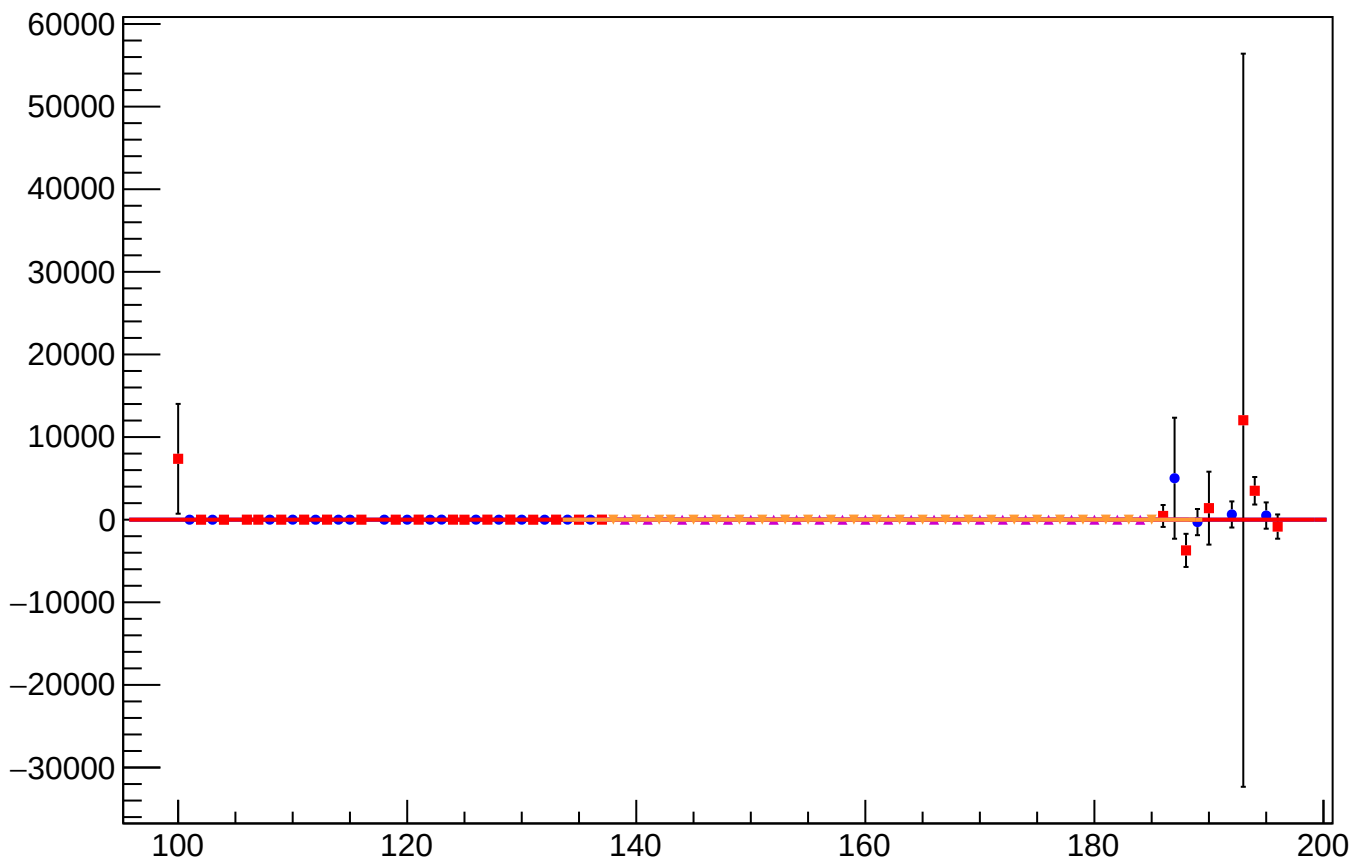
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.462 $\pm$ 0.019 χ^2 /NDF: 3070730.3/45

All: 132.511 $\pm$ 0.013 χ^2 /NDF: 7256248.0/93

- sign 133.614 $\pm$ 0.019 χ^2 /NDF: 4179062.6/47

asym_dsr_correction_mean vs Slug



Right In: -0.719 $\pm$ 0.810 χ^2/NDF : 13.0/20

Left Out: 0.490 $\pm$ 0.572 χ^2/NDF : 29.0/24

Right Out: 0.638 $\pm$ 0.852 χ^2/NDF : 23.2/24

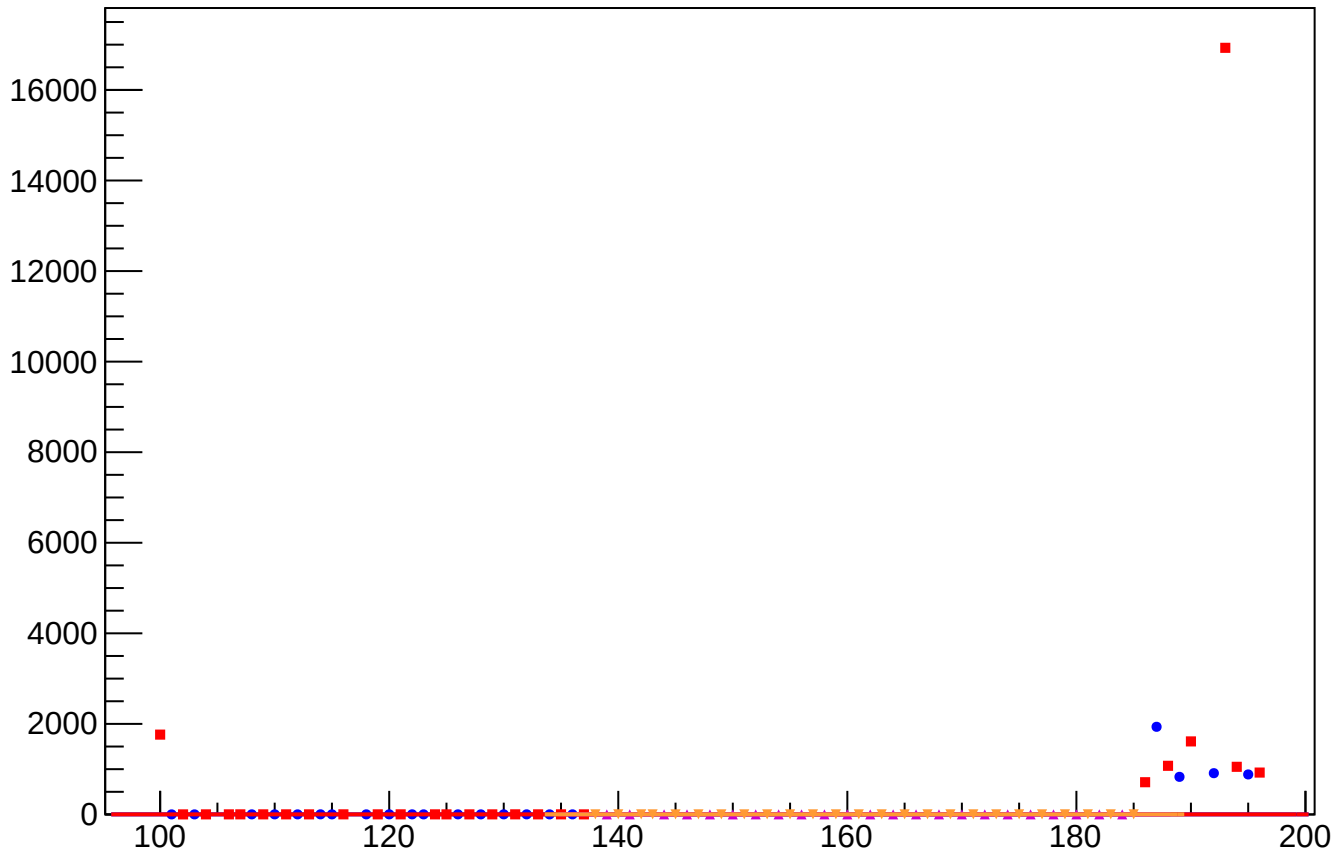
Left In: -0.290 $\pm$ 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 $\pm$ 0.467 χ^2/NDF : 43.4/45

All: 0.046 $\pm$ 0.334 χ^2/NDF : 88.1/93

- sign 0.003 $\pm$ 0.479 χ^2/NDF : 44.6/47

asym_dsr_correction_rms vs Slug



Right In: 1.866+/-0.001 χ^2/NDF : 2453723.3/20

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

Right Out: 2.065+/-0.001 χ^2/NDF : 3813102.4/24

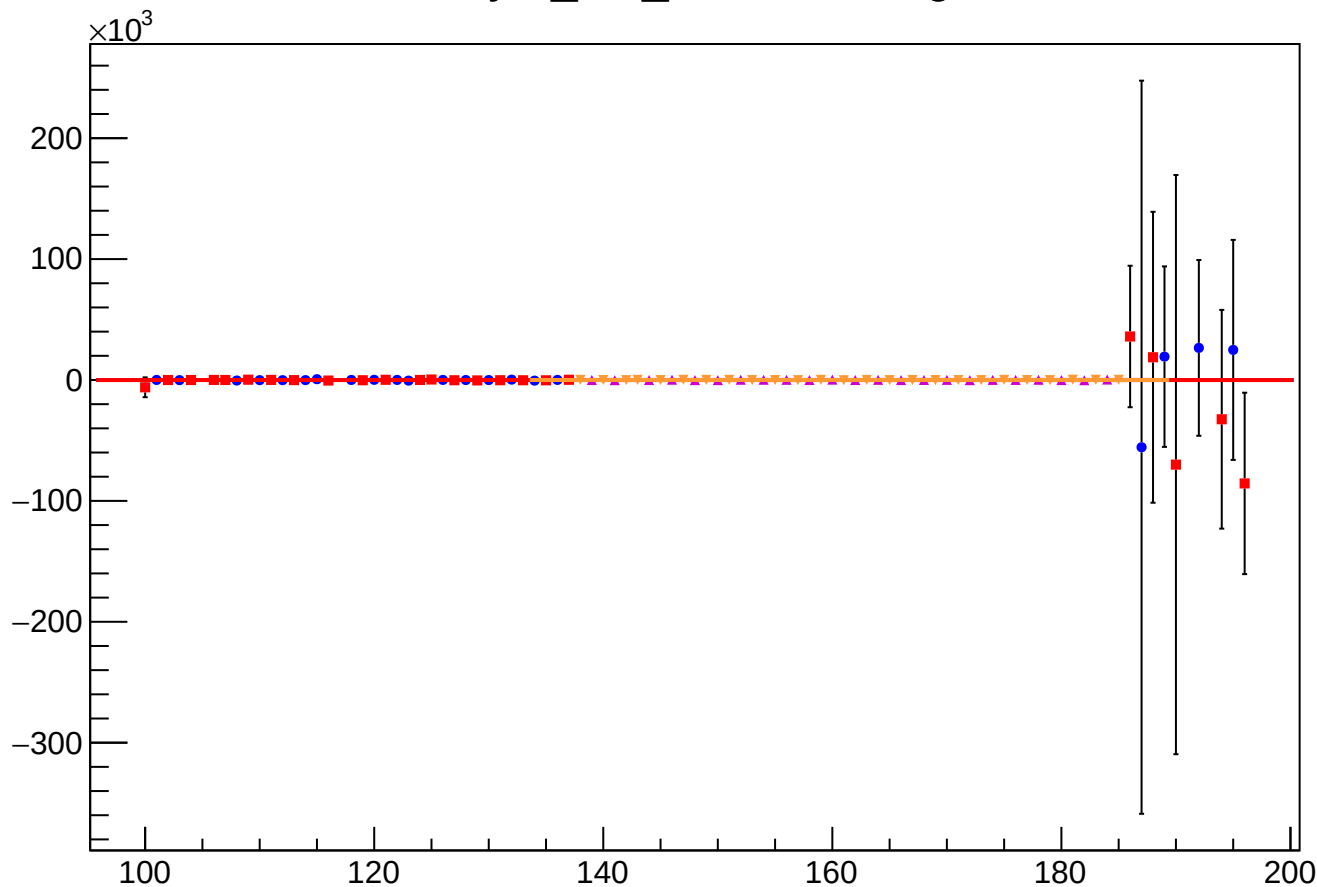
Left In: 2.193+/-0.000 χ^2/NDF : 510890.7/22

+ sign 2.130+/-0.000 χ^2/NDF : 3147466.7/45

All: 2.141+/-0.000 χ^2/NDF : 7504655.3/93

- sign 2.152+/-0.000 χ^2/NDF : 4354954.4/47

asym_dsr_mean vs Slug



Right In: -25.035 ± 46.854 χ^2/NDF : 14.8/20

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

Right Out: -54.305 ± 47.789 χ^2/NDF : 18.0/23

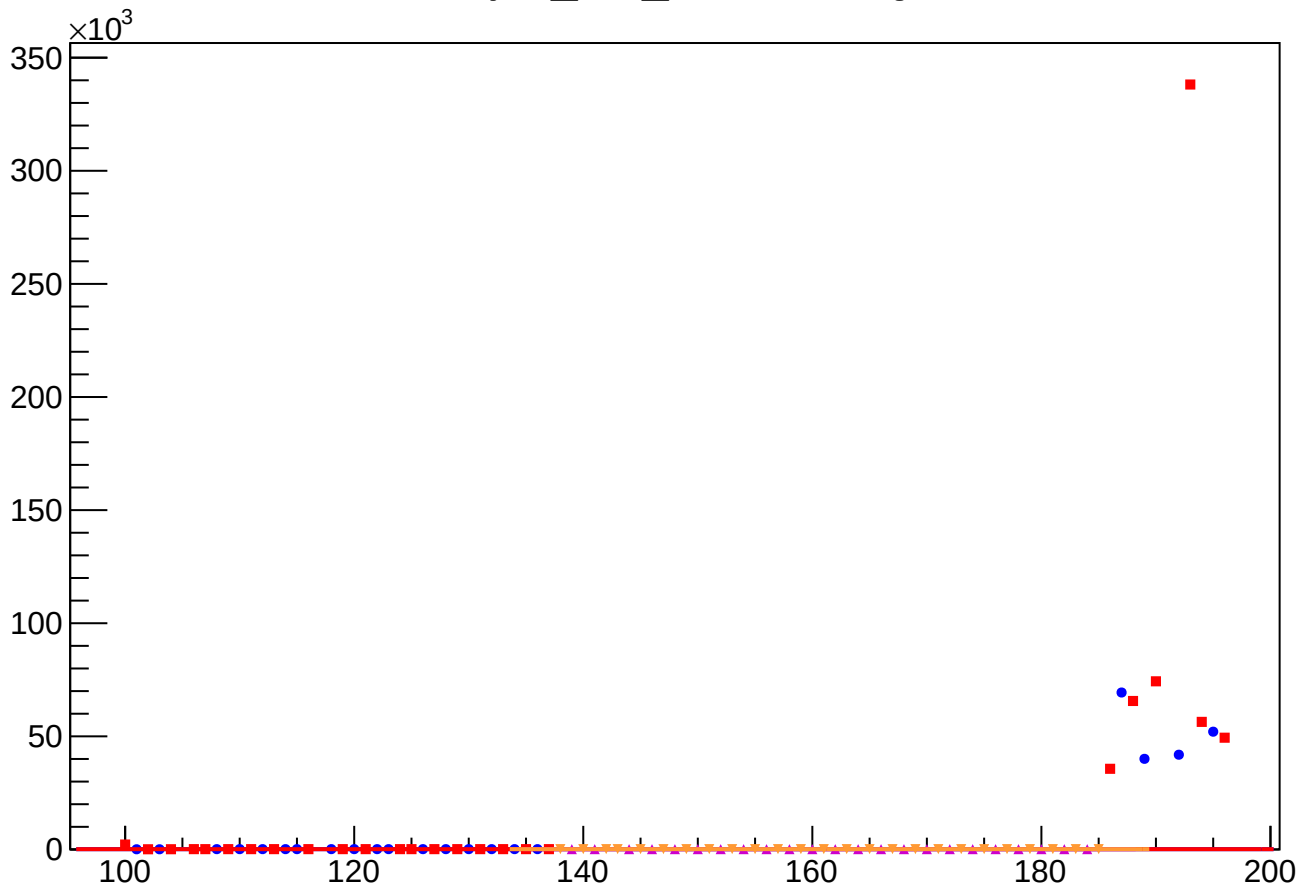
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.101 ± 26.465 χ^2/NDF : 26.6/45

All: 4.262 ± 18.944 χ^2/NDF : 69.6/92

- sign 26.710 ± 27.129 χ^2/NDF : 41.6/46

asym_dsr_rms vs Slug



Right In: 117.845 $\pm$ 0.033 χ^2 /NDF: 2820975.7/20

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

Right Out: 124.791 $\pm$ 0.034 χ^2 /NDF: 4088825.1/24

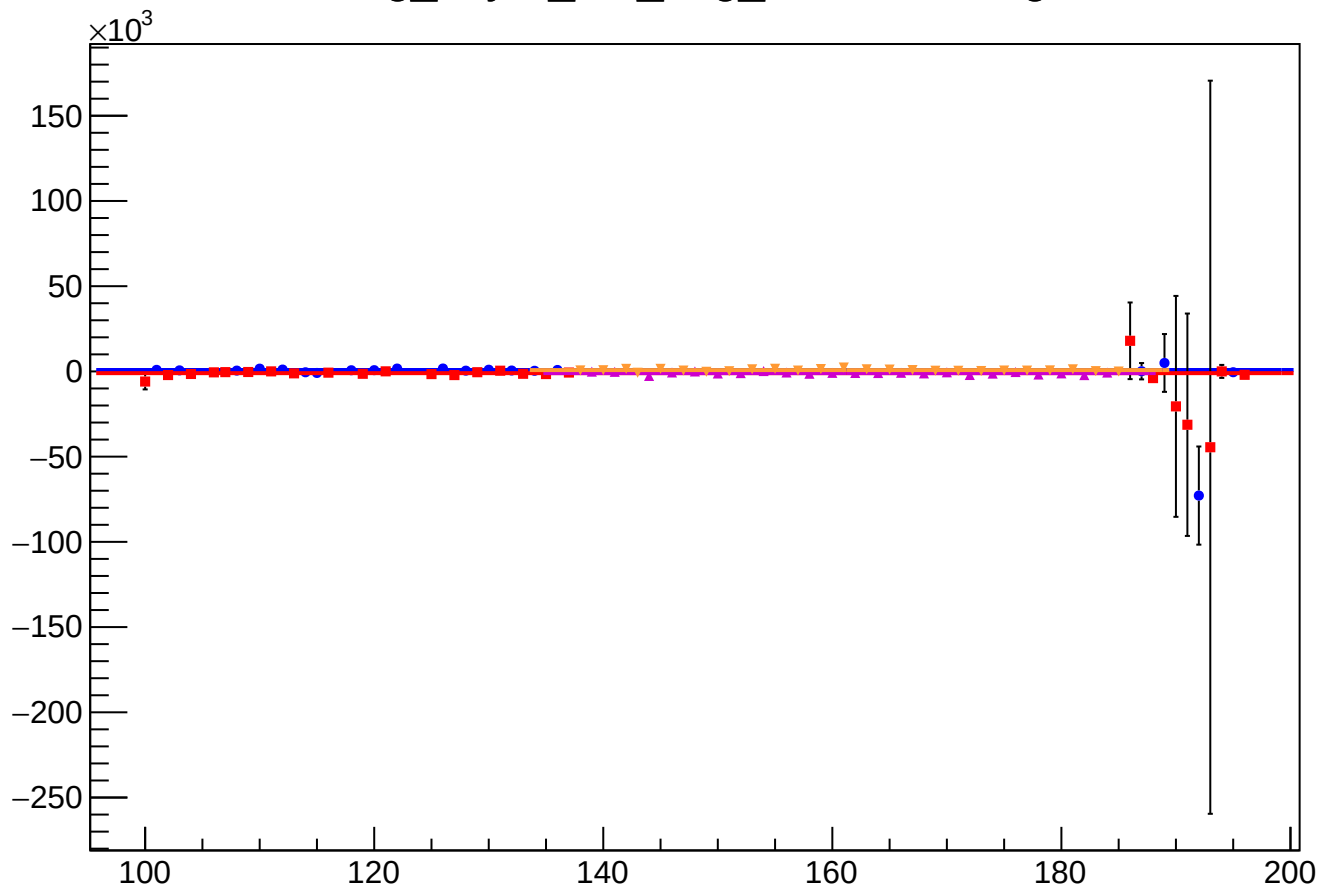
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF: 457.2/22

+ sign 131.498 $\pm$ 0.019 χ^2 /NDF: 3070799.4/45

All: 132.541 $\pm$ 0.013 χ^2 /NDF: 7267561.5/93

- sign 133.637 $\pm$ 0.019 χ^2 /NDF: 4190391.3/47

reg_asym_left_avg_mean vs Slug



Right In: 829.510 ± 215.388 χ^2/NDF : 12.2/19

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

Right Out: -1017.881 ± 211.398 χ^2/NDF : 16.4/24

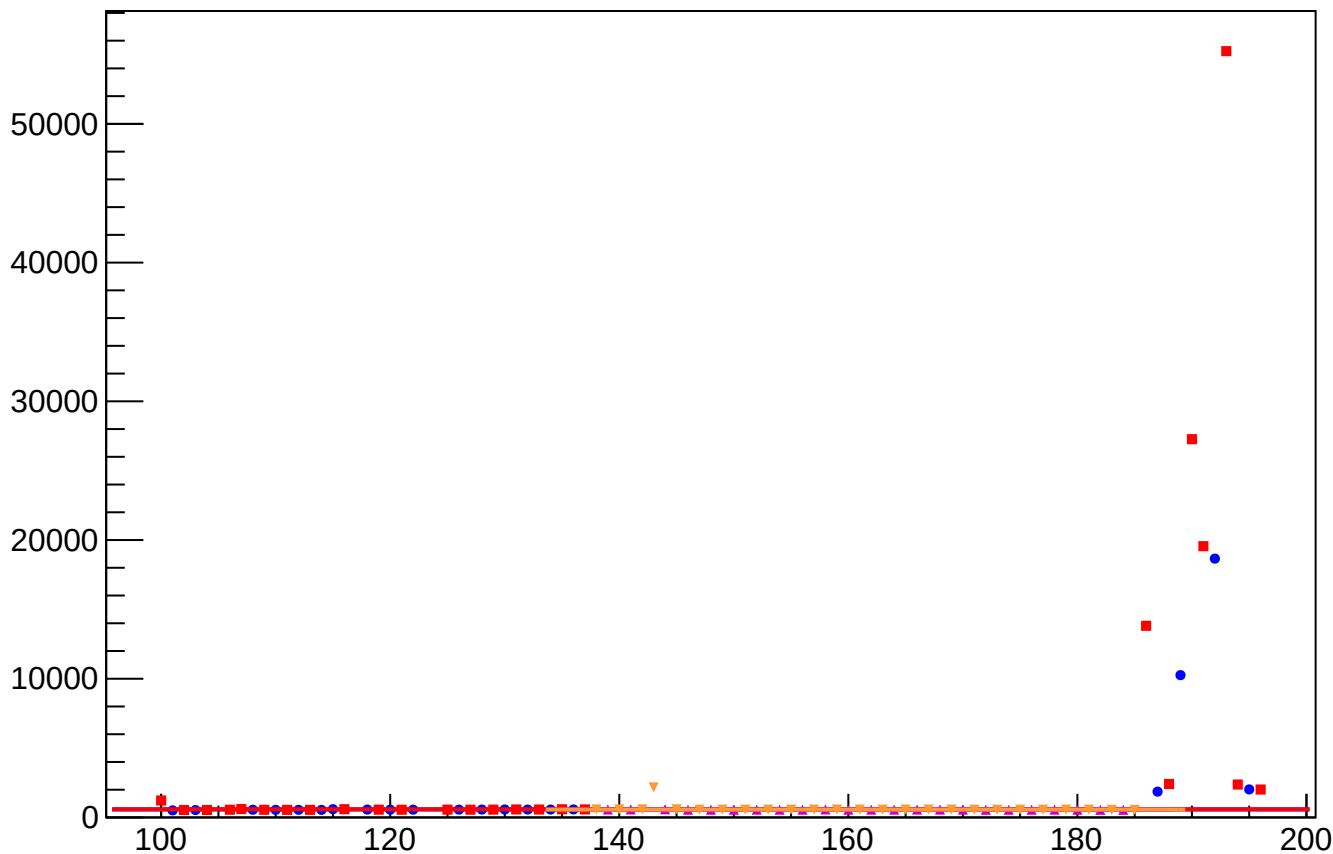
Left In: -974.402 ± 134.932 χ^2/NDF : 27.4/22

+ sign 793.610 ± 113.690 χ^2/NDF : 31.9/44

All: -96.314 ± 80.408 χ^2/NDF : 198.3/92

- sign -986.988 ± 113.738 χ^2/NDF : 43.9/47

reg_asym_left_avg_rms vs Slug



Right In: 576.042 $\pm$ 0.152 χ^2 /NDF: 2480600.9/19

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

Right Out: 592.633 $\pm$ 0.149 χ^2 /NDF: 3483495.2/24

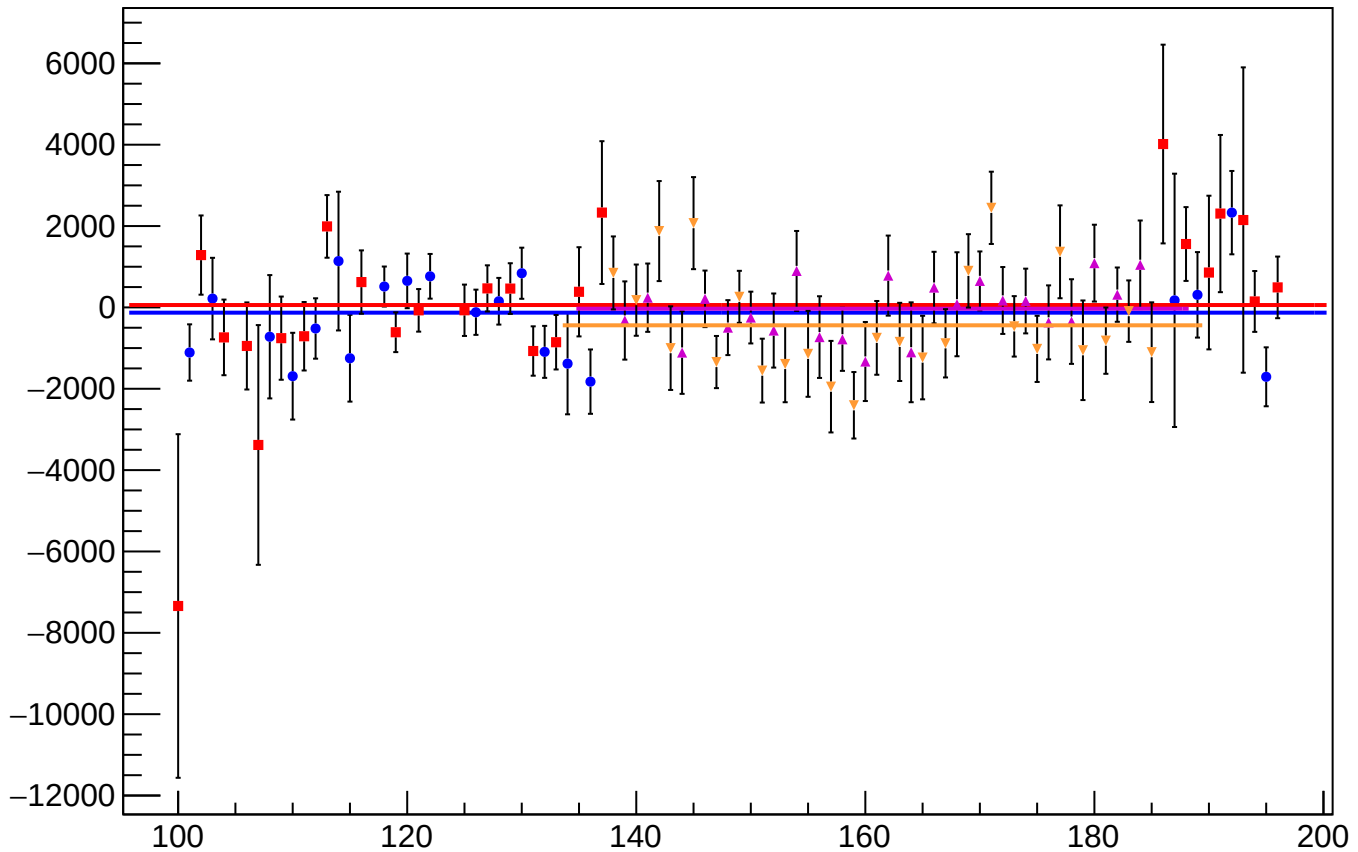
Left In: 564.383 $\pm$ 0.095 χ^2 /NDF: 9209.5/22

+ sign 570.871 $\pm$ 0.080 χ^2 /NDF: 3335913.2/44

All: 571.716 $\pm$ 0.057 χ^2 /NDF: 6854215.8/92

- sign 572.561 $\pm$ 0.080 χ^2 /NDF: 3518081.9/47

asym_left_avg_correction_mean vs Slug



Right In: -129.393+/-170.345 χ^2 /NDF: 33.2/19

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

Right Out: 58.378+/-165.233 χ^2 /NDF: 33.5/24

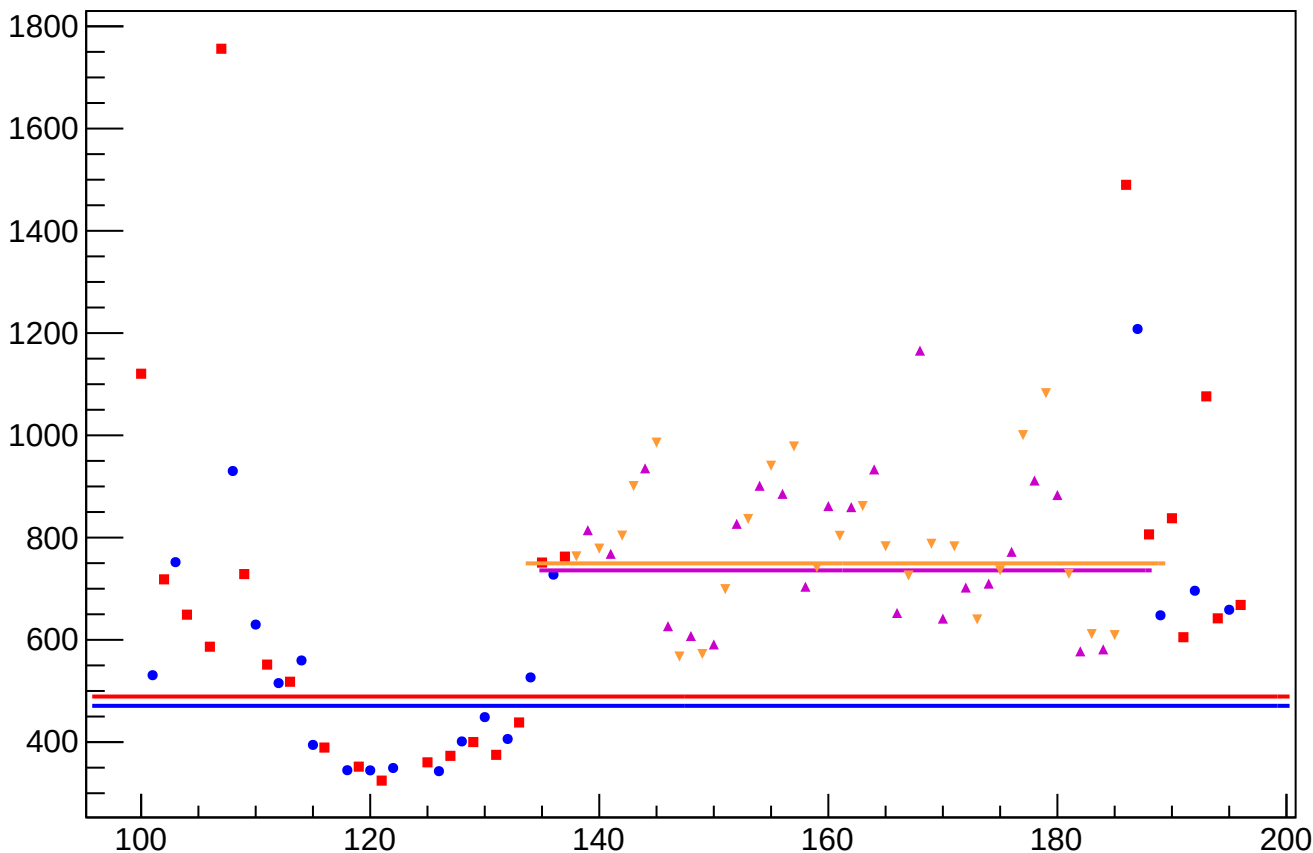
Left In: -32.411+/-179.430 χ^2 /NDF: 12.2/22

+ sign -277.986+/-123.031 χ^2 /NDF: 78.3/44

All: -128.847+/-86.467 χ^2 /NDF: 127.1/92

- sign 16.717+/-121.547 χ^2 /NDF: 45.8/47

asym_left_avg_correction_rms vs Slug



Right In: 470.940 $\pm$ 0.120 χ^2 /NDF: 1495296.2/19

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

Right Out: 489.140 $\pm$ 0.117 χ^2 /NDF: 2464956.8/24

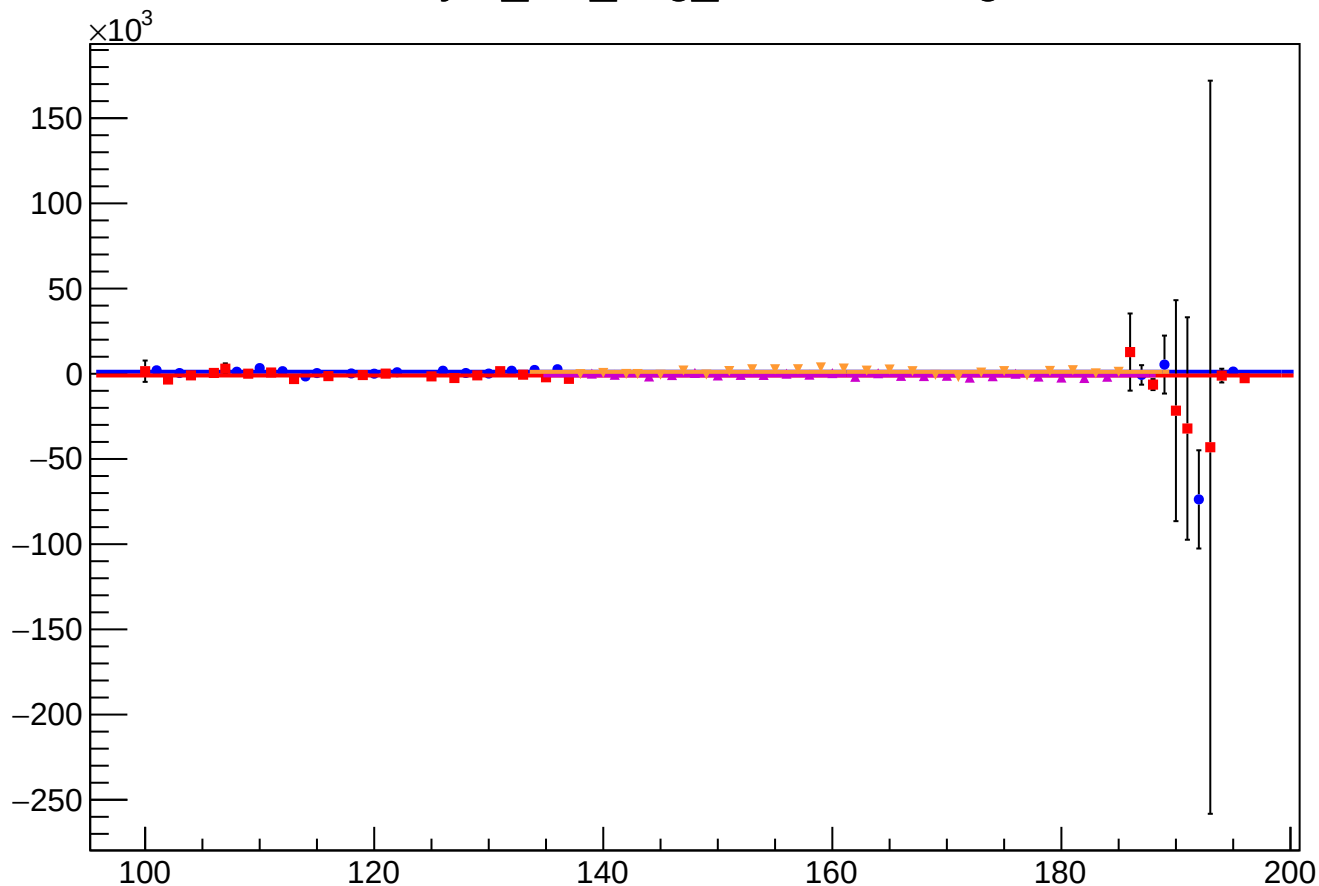
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

+ sign 604.230 $\pm$ 0.087 χ^2 /NDF: 5108549.0/44

All: 603.279 $\pm$ 0.061 χ^2 /NDF: 10725150.2/92

- sign 602.350 $\pm$ 0.086 χ^2 /NDF: 5616364.8/47

asym_left_avg_mean vs Slug



Right In: 1186.557 ± 293.294 χ^2/NDF : 18.7/19

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

Right Out: -1010.042 ± 290.068 χ^2/NDF : 27.1/24

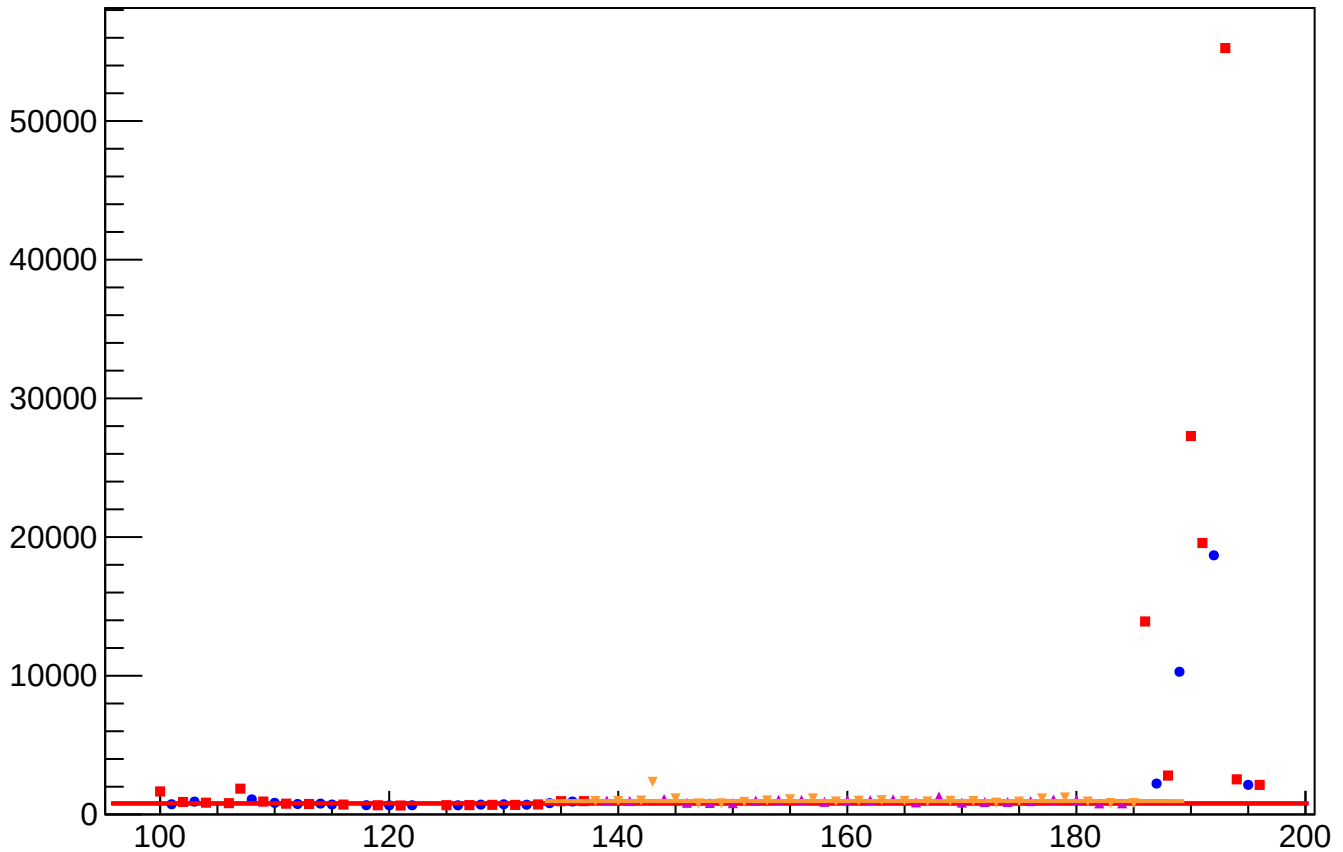
Left In: -941.702 ± 228.324 χ^2/NDF : 14.8/22

+ sign 1150.432 ± 180.008 χ^2/NDF : 57.8/44

All: 87.775 ± 127.073 χ^2/NDF : 169.1/92

- sign -967.846 ± 179.411 χ^2/NDF : 41.9/47

asym_left_avg_rms vs Slug



Right In: 784.234+/-0.207 χ^2/NDF : 2469108.9/19

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

Right Out: 811.116+/-0.205 χ^2/NDF : 3610029.4/24

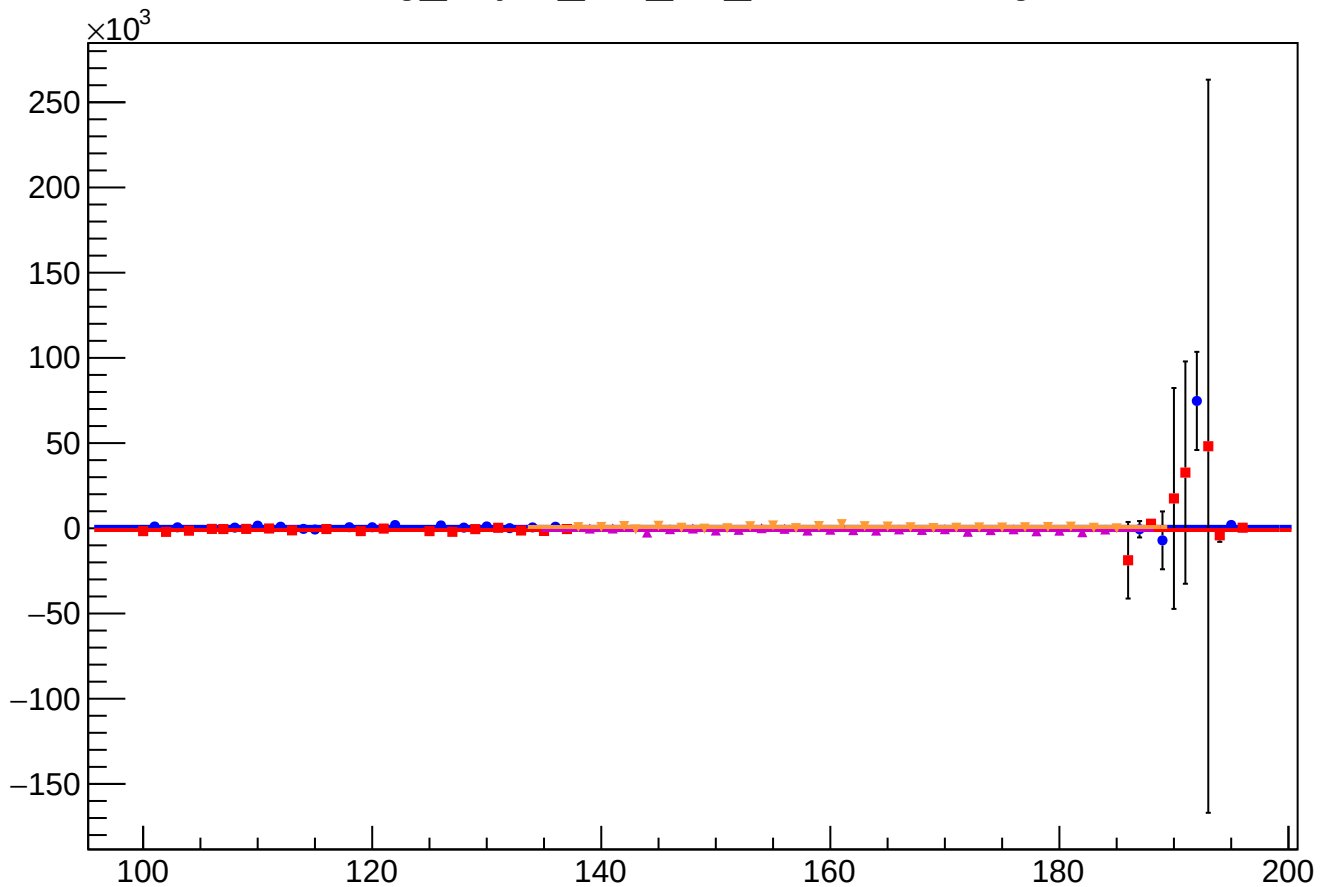
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 896.592+/-0.127 χ^2/NDF : 3942768.6/44

All: 895.669+/-0.090 χ^2/NDF : 8323562.6/92

- sign 894.753+/-0.127 χ^2/NDF : 4380689.2/47

reg_asym_left_dd_mean vs Slug



Right In: 855.955 ± 215.229 $\chi^2/\text{NDF}: 13.2/19$

Left Out: 753.308 ± 133.745 $\chi^2/\text{NDF}: 21.4/24$

Right Out: -1002.003 ± 206.497 $\chi^2/\text{NDF}: 16.1/24$

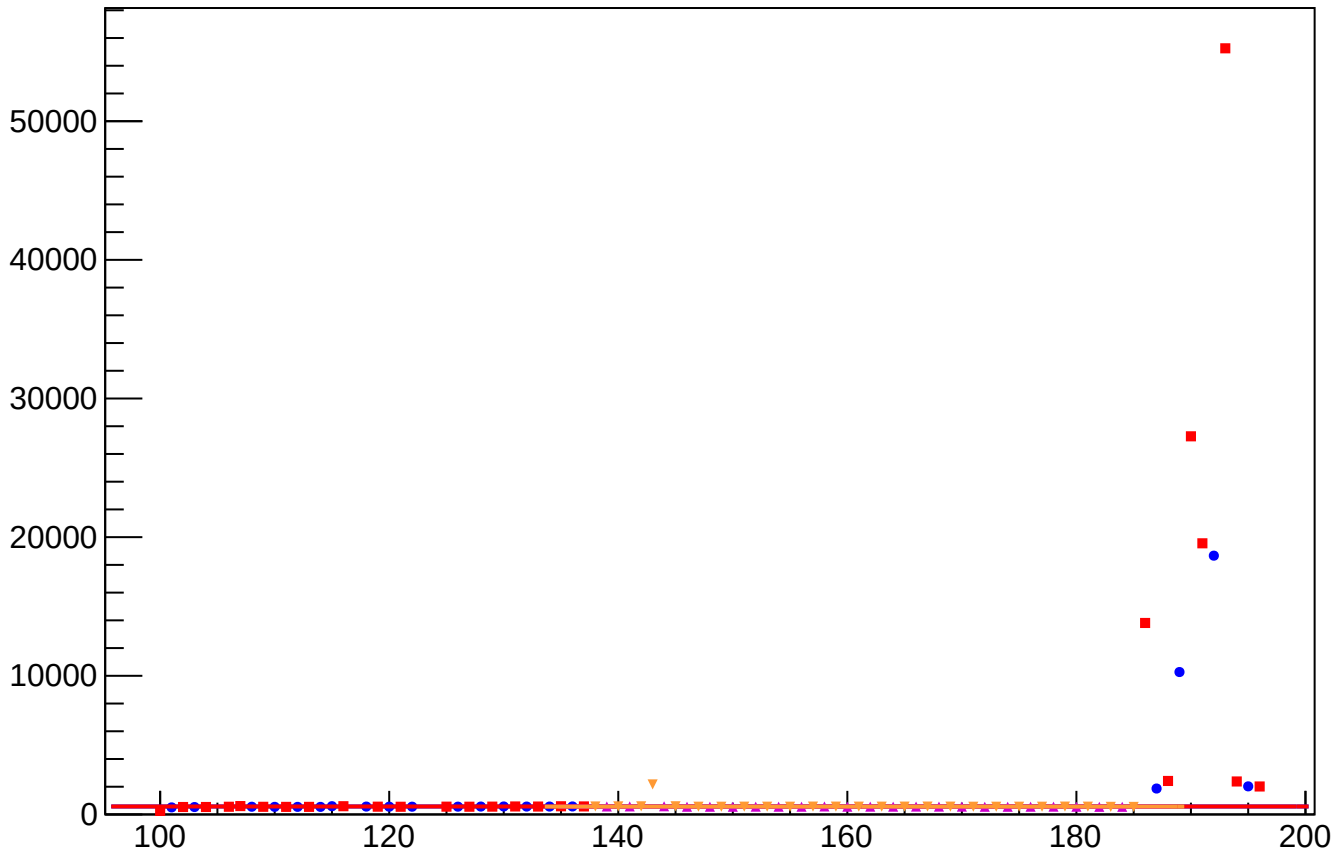
Left In: -958.517 ± 134.824 $\chi^2/\text{NDF}: 26.8/22$

+ sign 781.903 ± 113.598 $\chi^2/\text{NDF}: 34.8/44$

All: -100.272 ± 80.075 $\chi^2/\text{NDF}: 197.6/92$

- sign -971.514 ± 112.892 $\chi^2/\text{NDF}: 43.0/47$

reg_asym_left_dd_rms vs Slug



Right In: 575.558+/-0.152 χ^2/NDF : 2483952.2/19

Left Out: 568.400+/-0.095 χ^2/NDF : 854012.8/24

Right Out: 575.200+/-0.146 χ^2/NDF : 3684435.3/24

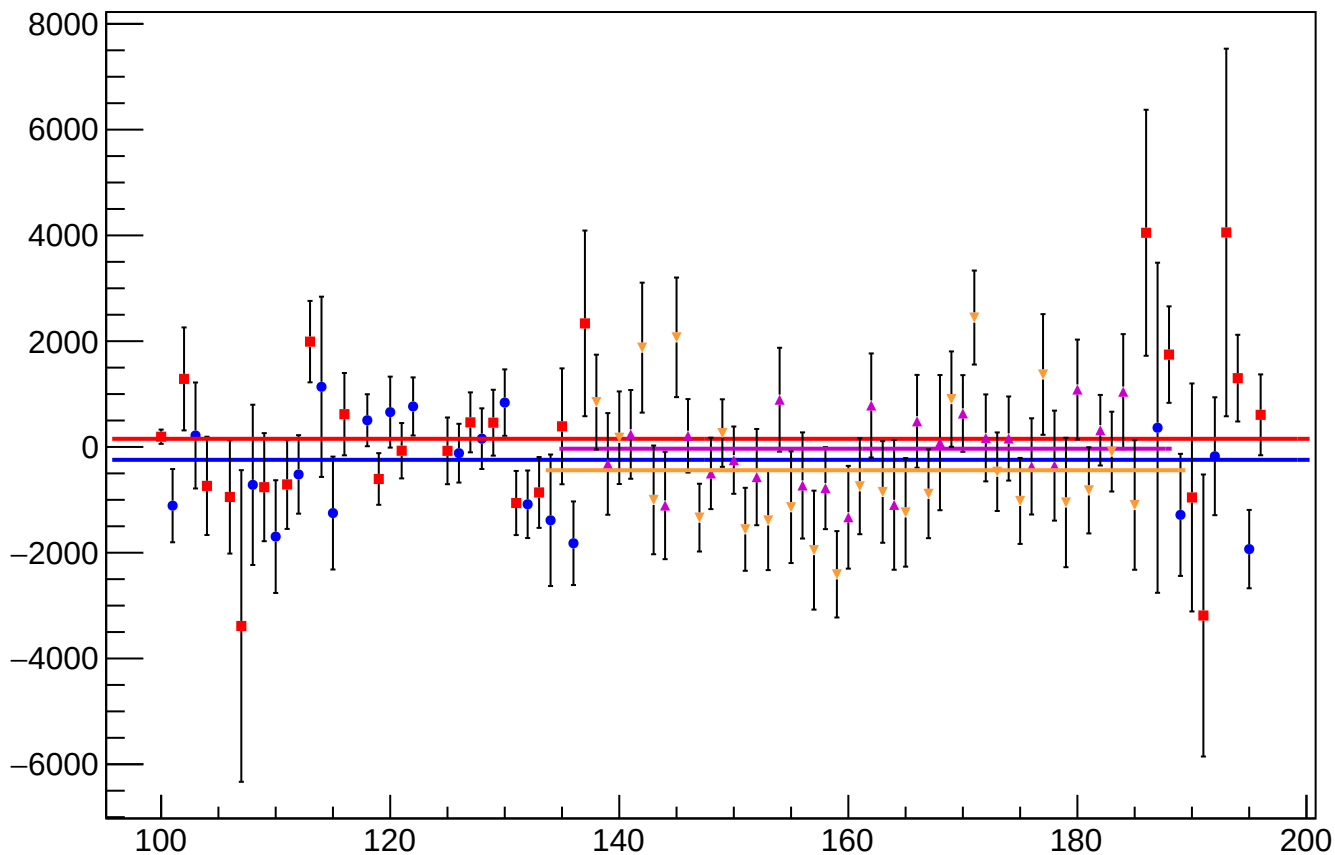
Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

+ sign 570.394+/-0.080 χ^2/NDF : 3339560.9/44

All: 568.838+/-0.057 χ^2/NDF : 7038120.5/92

- sign 567.301+/-0.080 χ^2/NDF : 3697813.7/47

asym_left_dd_correction_mean vs Slug



Right In: -243.373 ± 171.231 χ^2/NDF : 29.0/19

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

Right Out: 153.828 ± 104.832 χ^2/NDF : 35.2/24

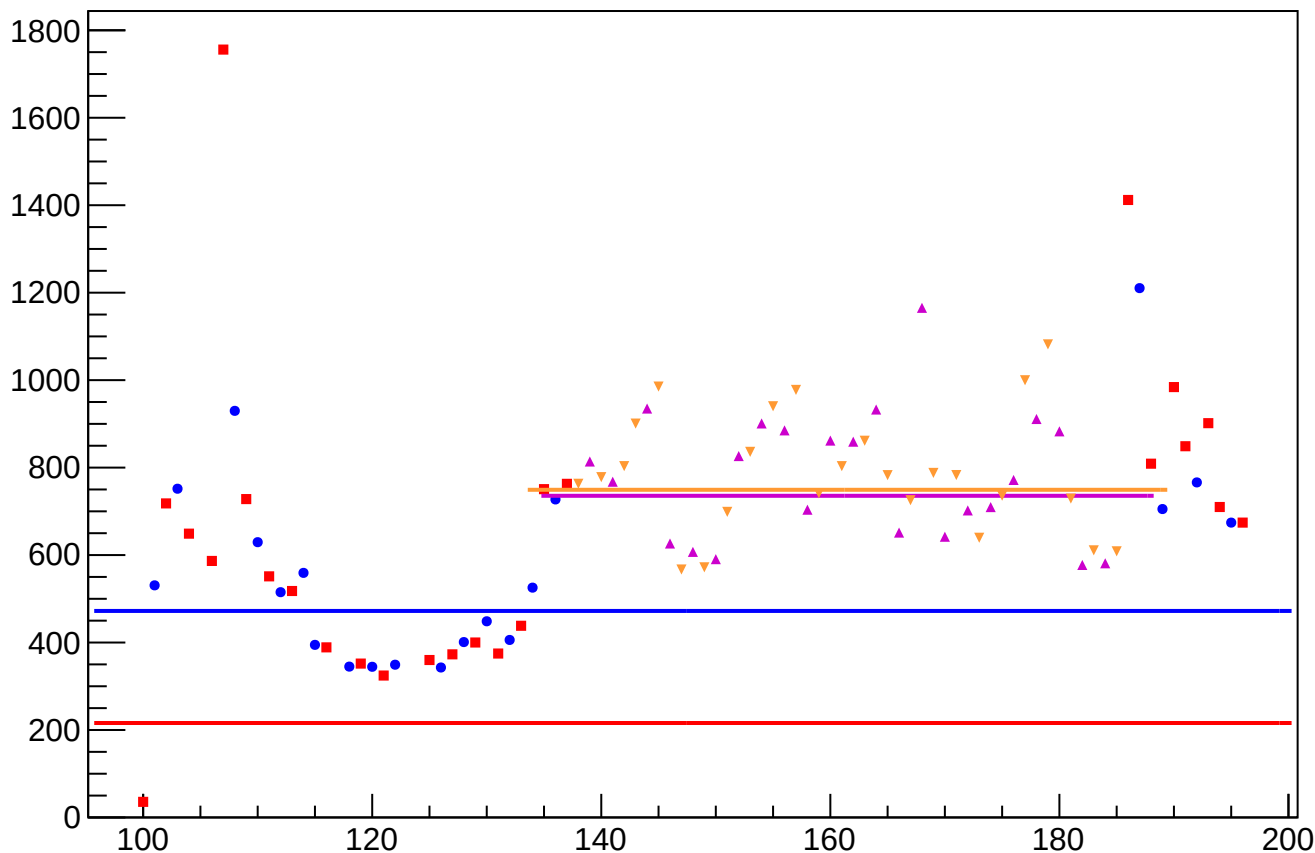
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -337.818 ± 123.338 χ^2/NDF : 73.2/44

All: -49.227 ± 72.968 χ^2/NDF : 129.8/92

- sign 106.171 ± 90.506 χ^2/NDF : 48.1/47

asym_left_dd_correction_rms vs Slug



Right In: 472.229+/-0.121 χ^2/NDF : 1581539.1/19

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

Right Out: 215.985+/-0.074 χ^2/NDF : 11513209.9/24

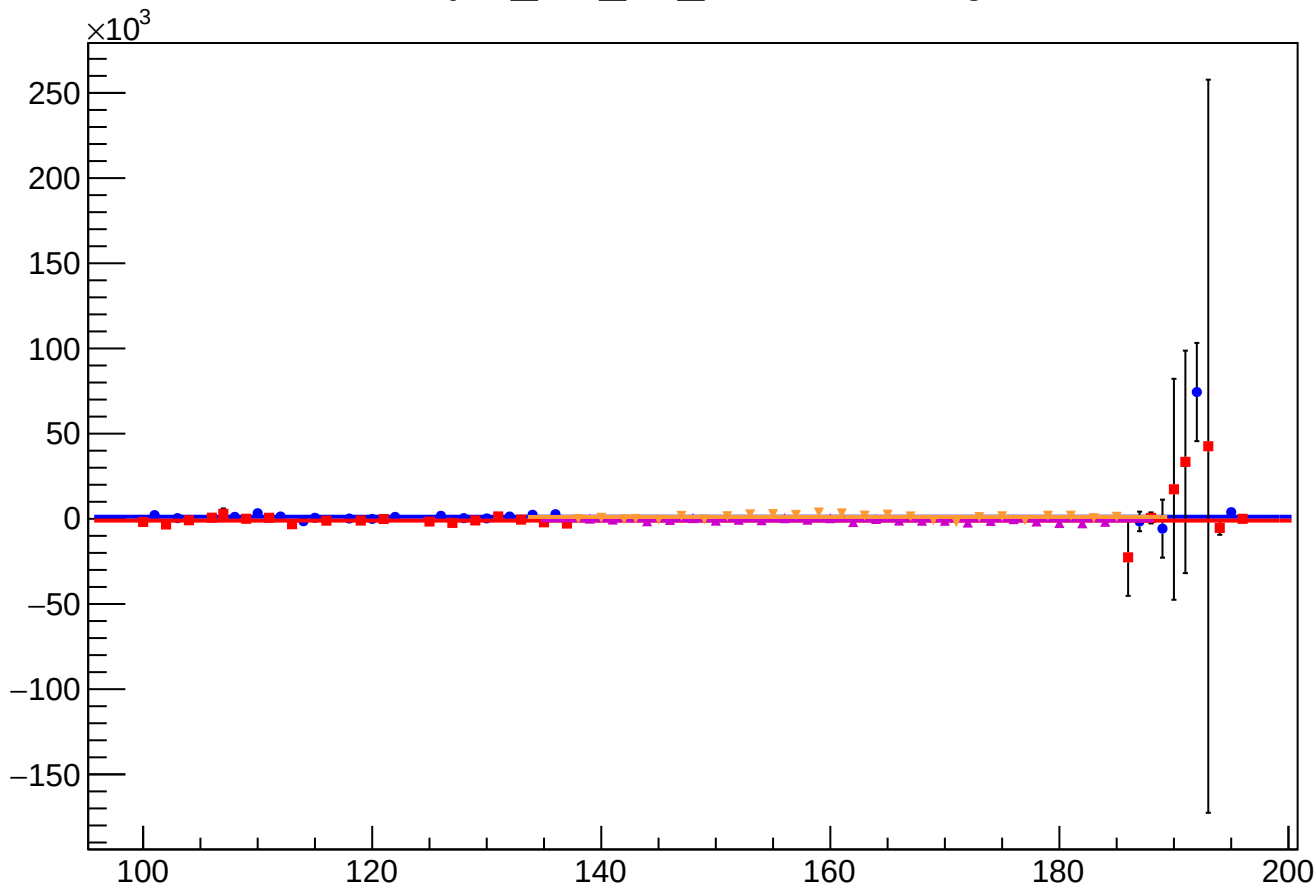
Left In: 735.543+/-0.127 χ^2/NDF : 1105222.3/22

+ sign 605.530+/-0.087 χ^2/NDF : 5154980.7/44

All: 438.322+/-0.052 χ^2/NDF : 35937839.4/92

- sign 348.286+/-0.064 χ^2/NDF : 25127785.8/47

asym_left_dd_mean vs Slug



Right In: 1227.978 $\pm$ 293.120 χ^2 /NDF: 19.8/19

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

Right Out: -1044.683 $\pm$ 278.006 χ^2 /NDF: 25.3/24

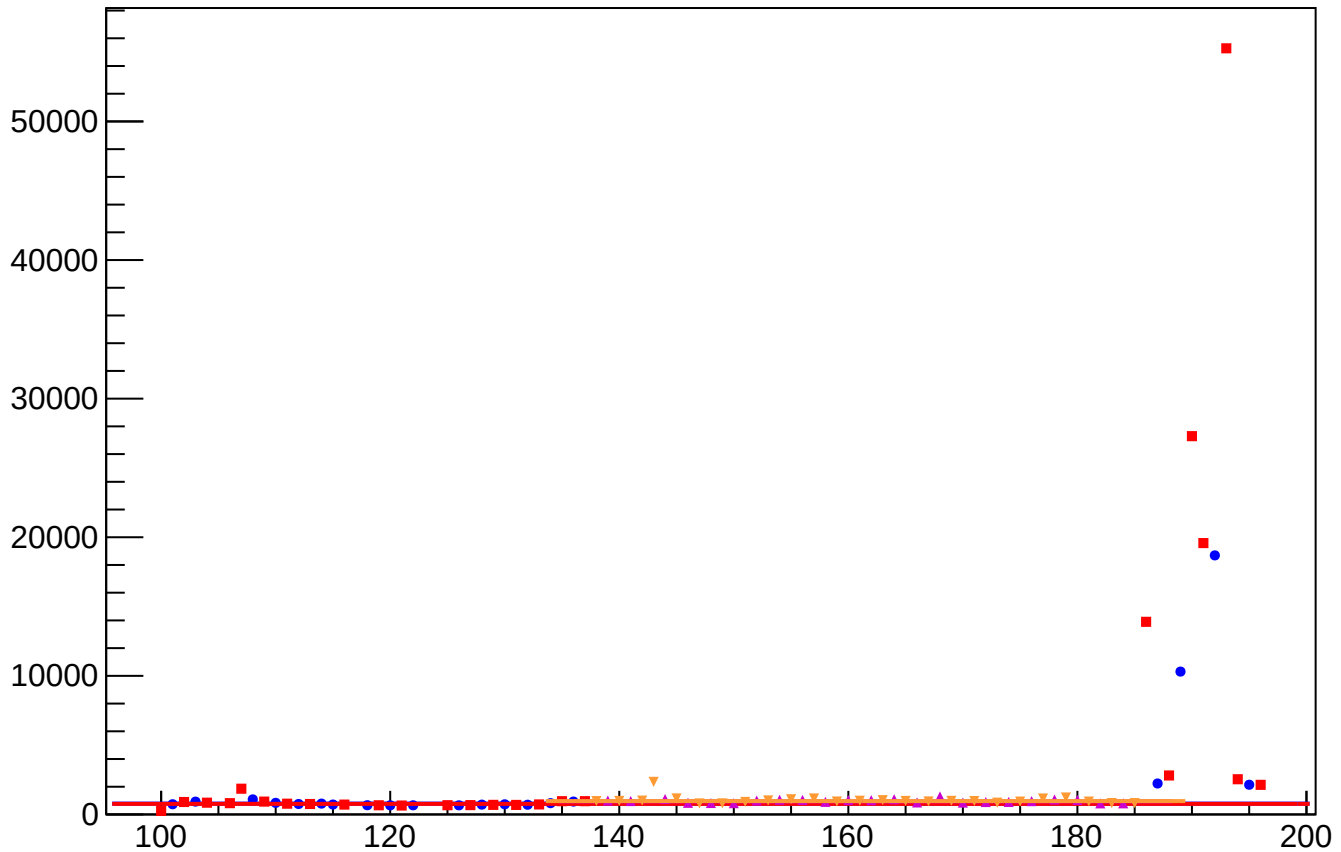
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1146.045 $\pm$ 179.902 χ^2 /NDF: 58.4/44

All: 65.125 $\pm$ 125.948 χ^2 /NDF: 169.7/92

- sign -973.943 $\pm$ 176.385 χ^2 /NDF: 40.5/47

asym_left_dd_rms vs Slug



Right In: 783.641+/-0.207 χ^2/NDF : 2474156.5/19

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

Right Out: 763.257+/-0.197 χ^2/NDF : 4175058.2/24

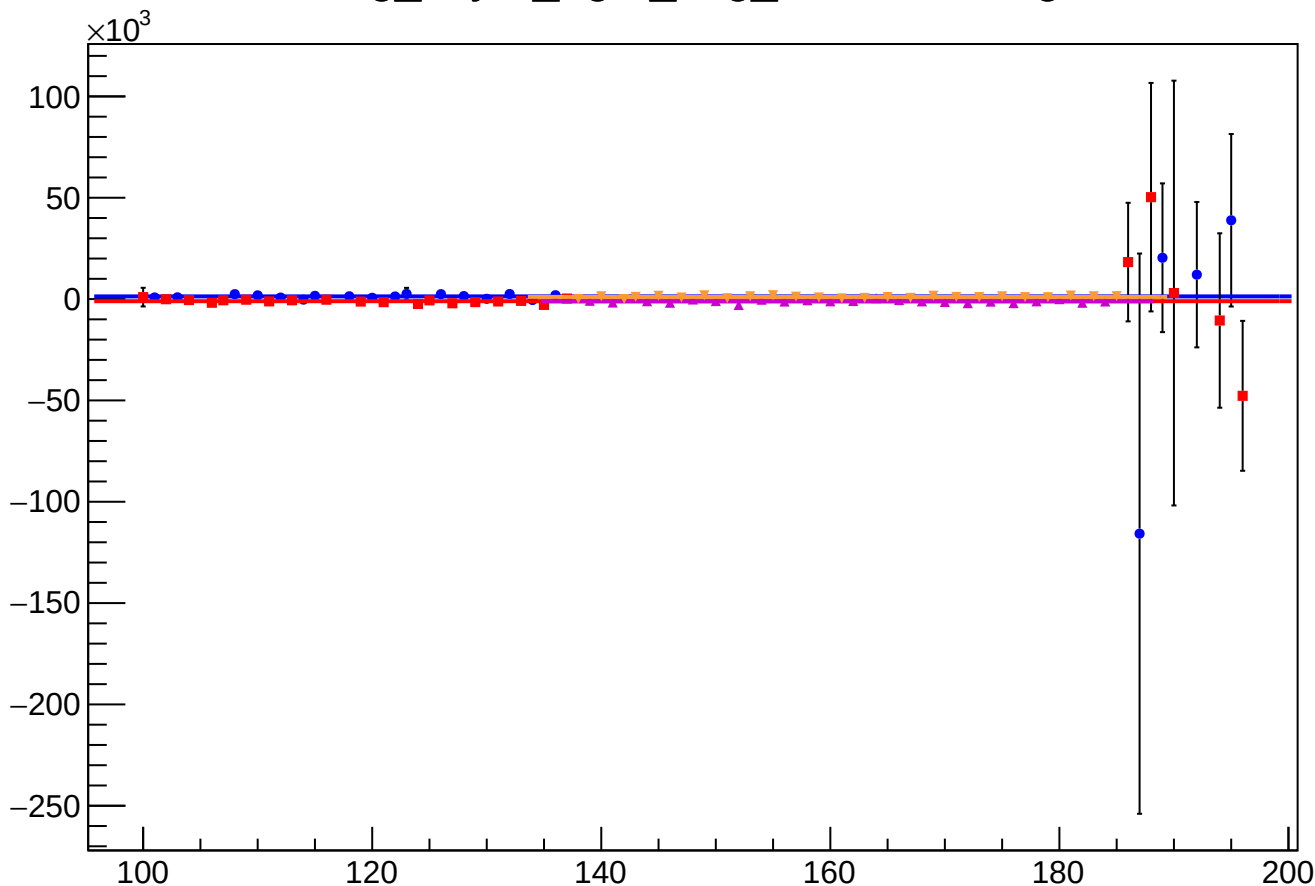
Left In: 946.041+/-0.161 χ^2/NDF :501442.7/22

+ sign 896.019+/-0.127 χ^2/NDF : 3948878.0/44

All: 884.008+/-0.089 χ^2/NDF : 9159401.0/92

- sign 872.462+/-0.125 χ^2/NDF : 5193038.3/47

reg_asym_right_avg_mean vs Slug



Right In: 1325.824 ± 218.589 χ^2/NDF : 14.6/20

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

Right Out: -1040.511 ± 212.066 χ^2/NDF : 16.4/23

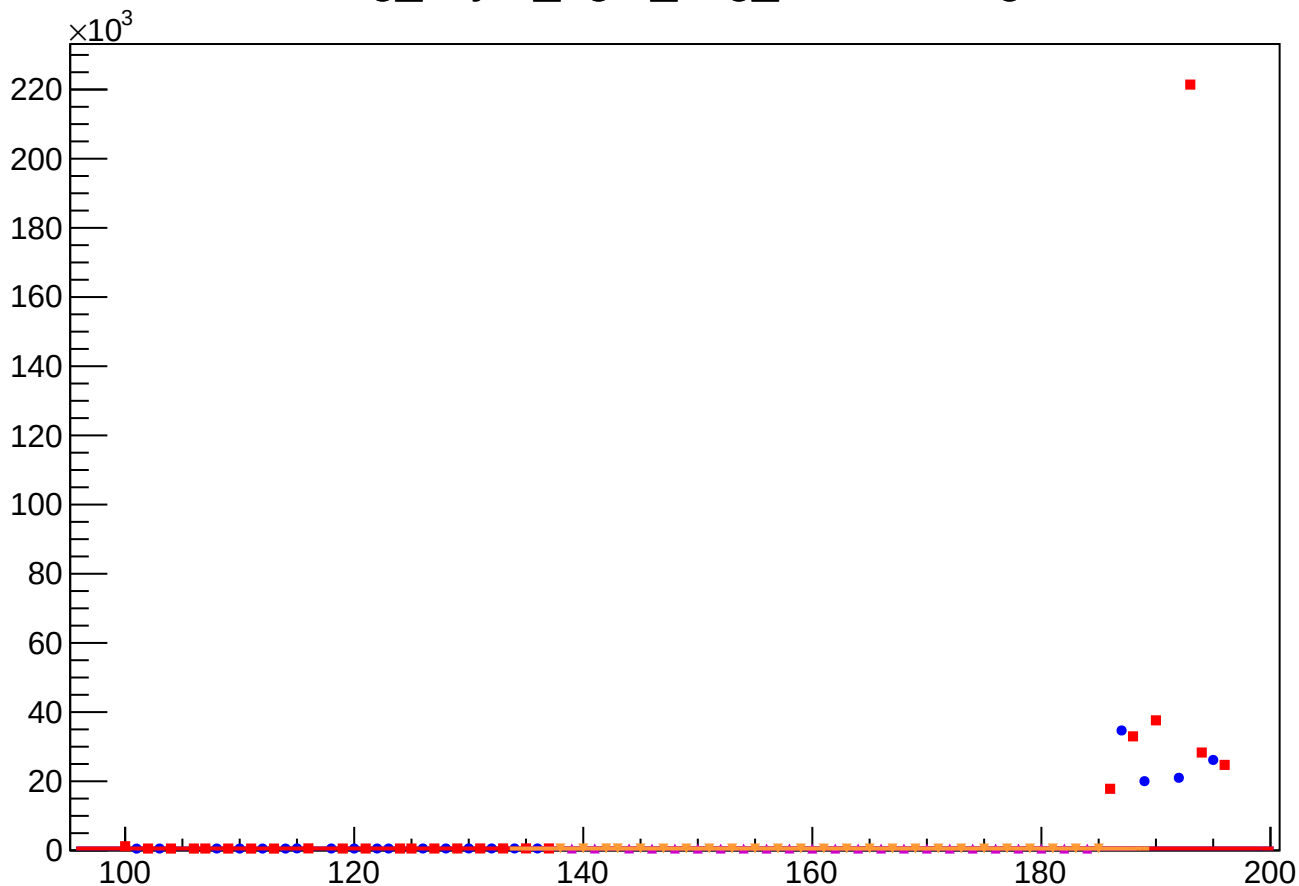
Left In: -1123.857 ± 133.163 χ^2/NDF : 30.0/22

+ sign 1139.288 ± 111.536 χ^2/NDF : 30.8/45

All: 31.852 ± 79.302 χ^2/NDF : 276.7/92

- sign -1100.287 ± 112.773 χ^2/NDF : 46.5/46

reg_asym_right_avg_rms vs Slug



Right In: 565.746 $\pm$ 0.155 χ^2 /NDF: 2085859.9/20

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

Right Out: 568.357 $\pm$ 0.150 χ^2 /NDF: 3500590.8/24

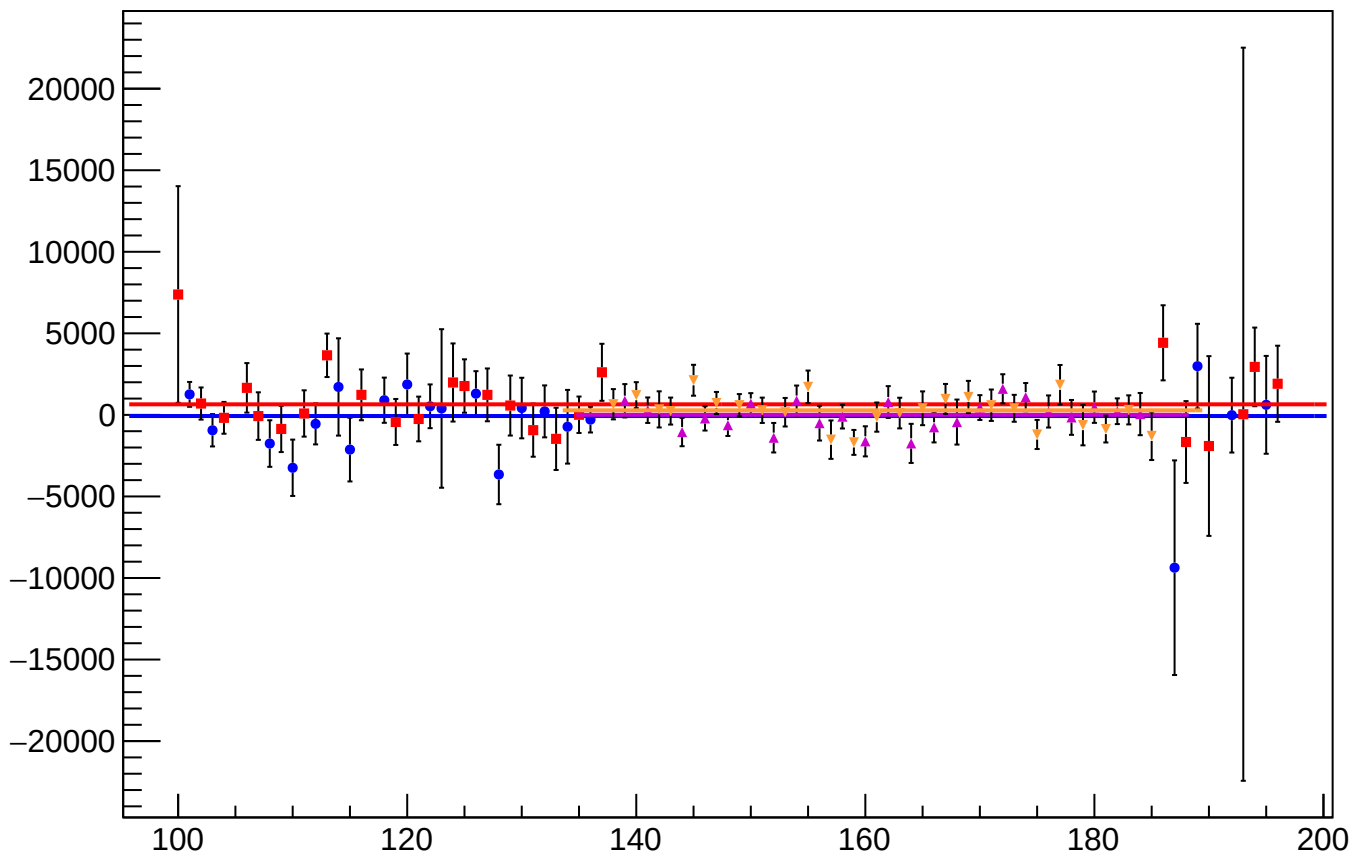
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

+ sign 559.672 $\pm$ 0.079 χ^2 /NDF: 2102700.5/45

All: 559.928 $\pm$ 0.056 χ^2 /NDF: 5618658.4/93

- sign 560.189 $\pm$ 0.080 χ^2 /NDF: 3515936.6/47

asym_right_avg_correction_mean vs Slug



Right In: -69.797 $\pm$ 320.213 χ^2/NDF : 20.5/20

Left Out: 281.875 $\pm$ 180.423 χ^2/NDF : 26.7/24

Right Out: 647.779 $\pm$ 320.133 χ^2/NDF : 19.6/24

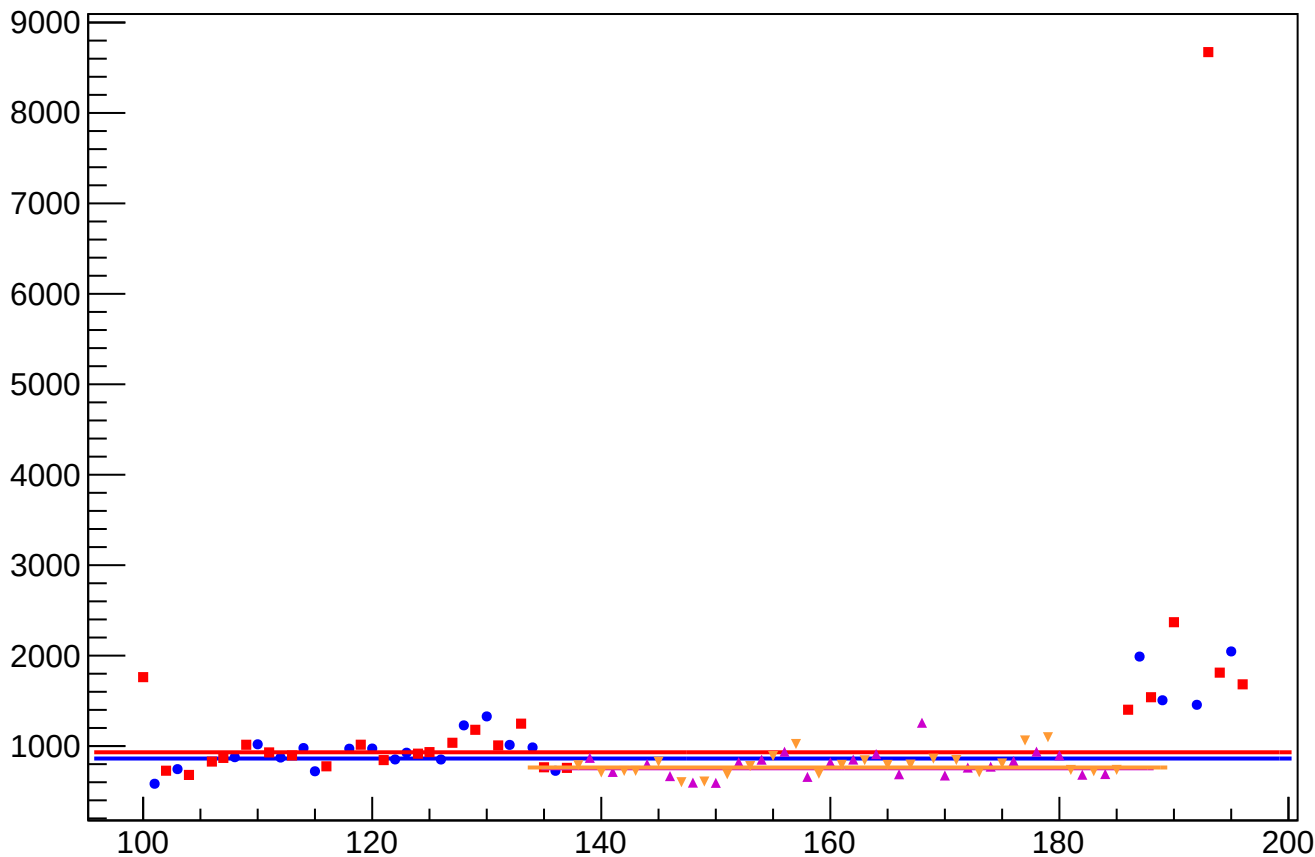
Left In: 8.211 $\pm$ 183.382 χ^2/NDF : 20.2/22

+ sign 197.132 $\pm$ 157.189 χ^2/NDF : 48.1/45

All: 181.867 $\pm$ 111.827 χ^2/NDF : 90.9/93

- sign 166.225 $\pm$ 159.124 χ^2/NDF : 42.8/47

asym_right_avg_correction_rms vs Slug



Right In: 862.128 $\pm$ 0.226 χ^2 /NDF: 1263570.0/20

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

Right Out: 931.264 $\pm$ 0.226 χ^2 /NDF: 1523774.4/24

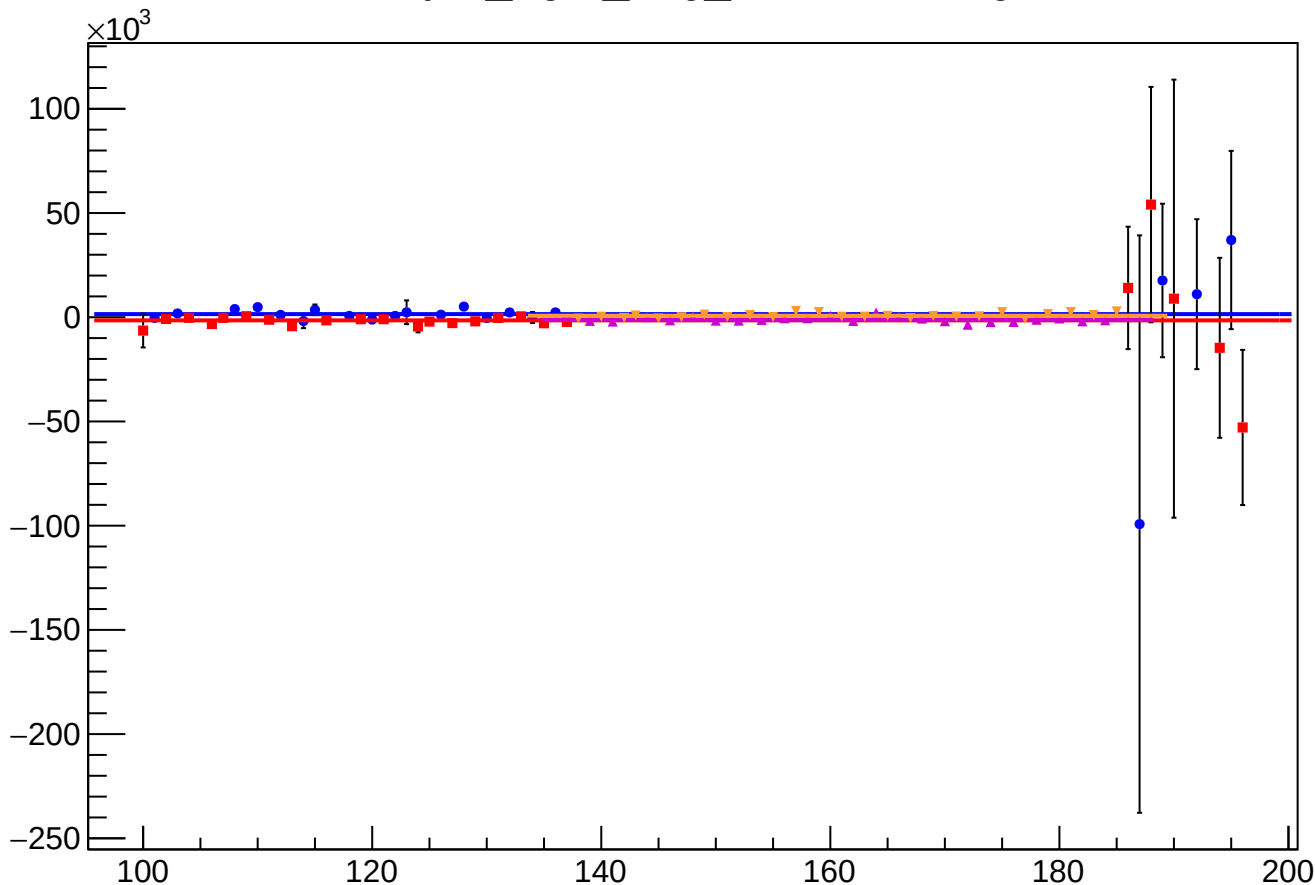
Left In: 754.099 $\pm$ 0.130 χ^2 /NDF: 931829.3/22

+ sign 786.951 $\pm$ 0.111 χ^2 /NDF: 2162500.6/45

All: 792.344 $\pm$ 0.079 χ^2 /NDF: 5084063.5/93

- sign 797.870 $\pm$ 0.113 χ^2 /NDF: 2916797.1/47

asym_right_avg_mean vs Slug



Right In: 1503.396 $\pm$ 402.598 χ^2 /NDF: 18.6/20

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

Right Out: -1488.998 $\pm$ 400.627 χ^2 /NDF: 15.3/23

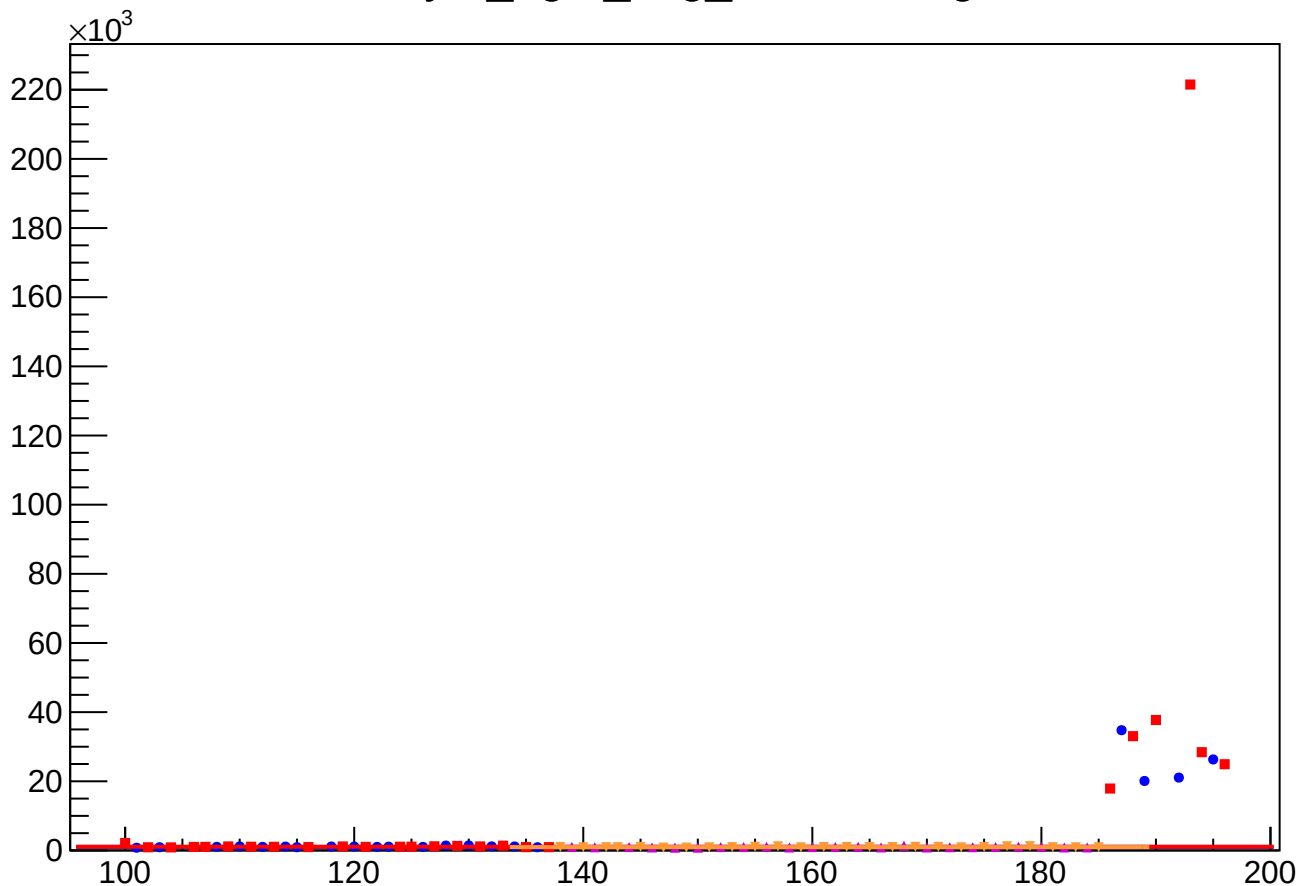
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 922.073 $\pm$ 196.764 χ^2 /NDF: 42.9/45

All: -131.643 $\pm$ 140.093 χ^2 /NDF: 142.3/92

- sign -1214.959 $\pm$ 199.508 χ^2 /NDF: 41.3/46

asym_right_avg_rms vs Slug



Right In: 1029.376 $\pm$ 0.285 χ^2 /NDF: 2327233.7/20

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

Right Out: 1068.452 $\pm$ 0.283 χ^2 /NDF: 3557227.6/24

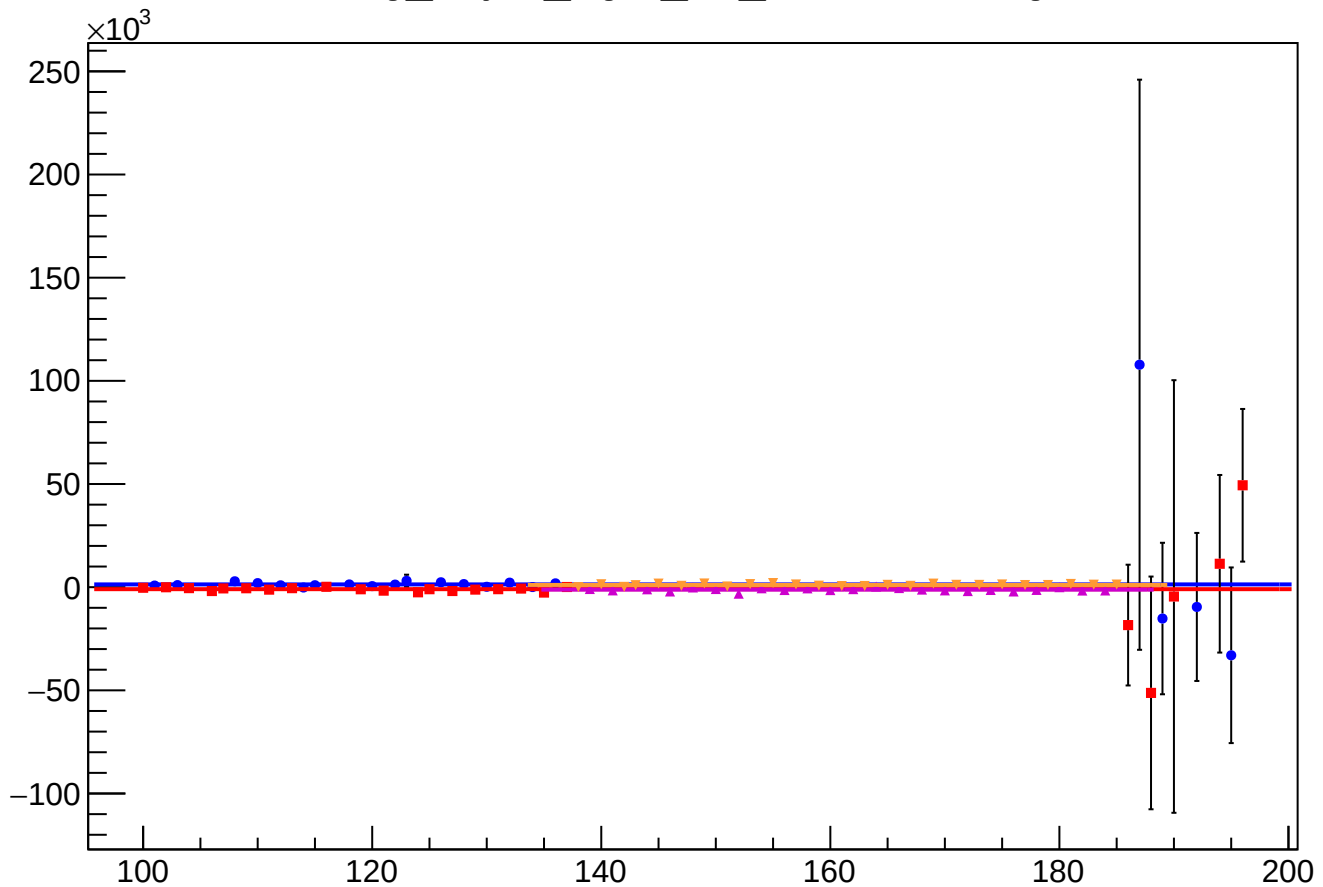
Left In: 954.643 $\pm$ 0.163 χ^2 /NDF:443395.0/22

+ sign 978.288 $\pm$ 0.139 χ^2 /NDF: 2732482.7/45

All: 980.546 $\pm$ 0.099 χ^2 /NDF: 6855013.3/93

- sign 982.867 $\pm$ 0.141 χ^2 /NDF: 4121996.4/47

reg_asym_right_dd_mean vs Slug



Right In: 1343.766 $\pm$ 218.843 χ^2 /NDF: 13.5/20

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

Right Out: -965.135 $\pm$ 208.601 χ^2 /NDF: 15.3/23

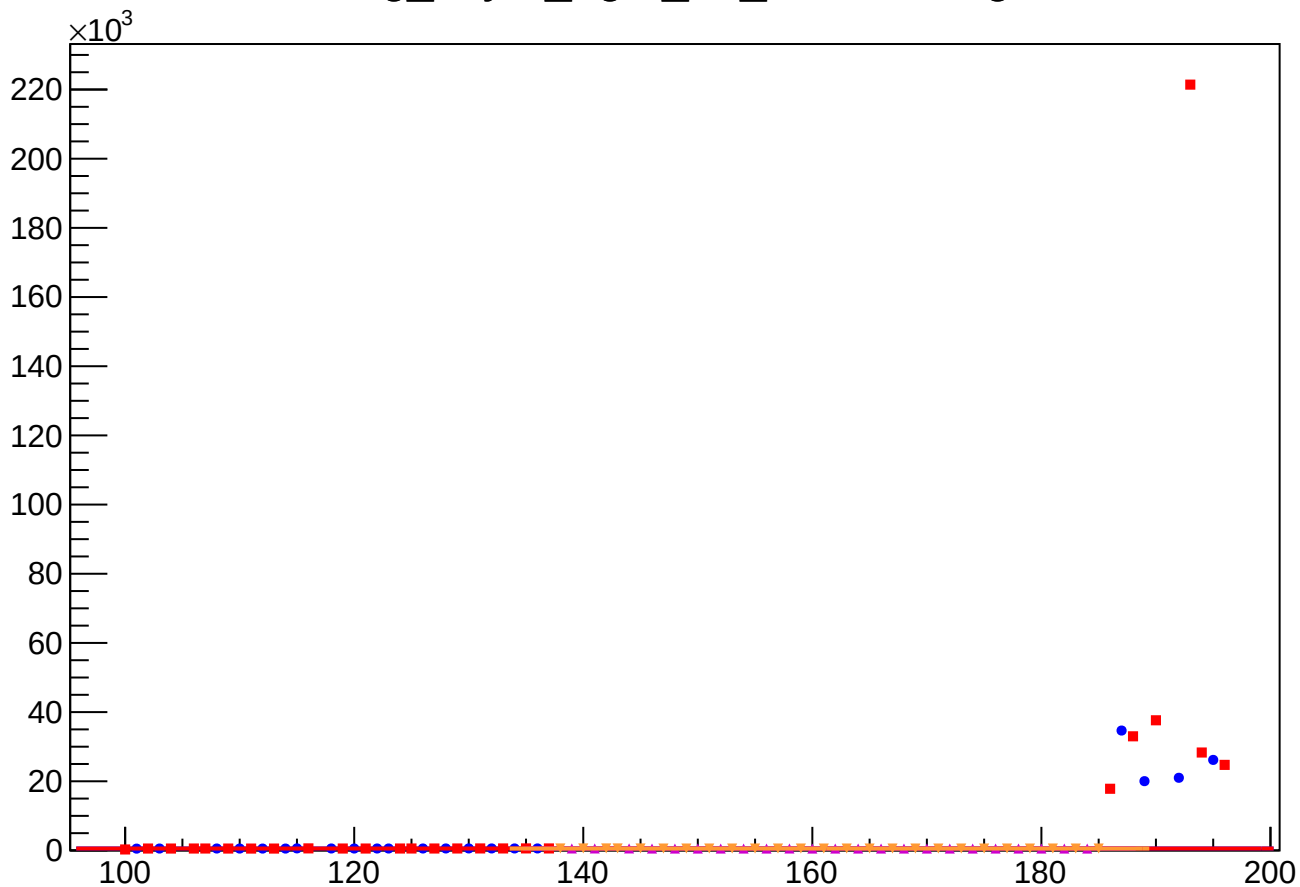
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF: 32.2/22

+ sign 1154.300 $\pm$ 111.654 χ^2 /NDF: 29.5/45

All: 21.847 $\pm$ 79.190 χ^2 /NDF: 284.8/92

- sign -1124.423 $\pm$ 112.333 χ^2 /NDF: 48.3/46

reg_asym_right_dd_rms vs Slug



Right In: 566.403 $\pm$ 0.155 χ^2 /NDF: 2085940.8/20

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

Right Out: 557.394 $\pm$ 0.148 χ^2 /NDF: 3586808.9/24

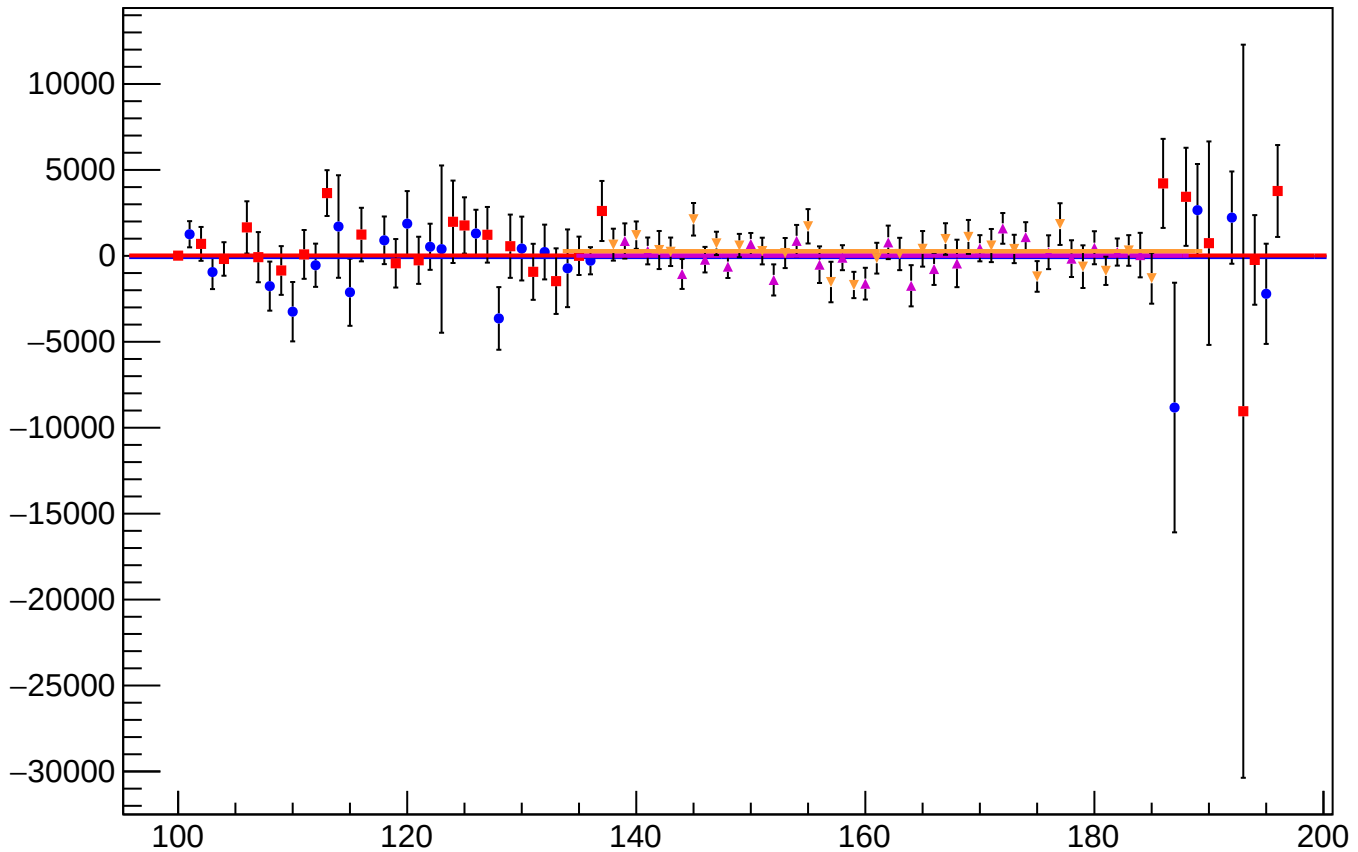
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

+ sign 560.261 $\pm$ 0.079 χ^2 /NDF: 2102856.3/45

All: 558.908 $\pm$ 0.056 χ^2 /NDF: 5701534.4/93

- sign 557.538 $\pm$ 0.079 χ^2 /NDF: 3598087.0/47

asym_right_dd_correction_mean vs Slug



Right In: -72.297 ± 321.273 χ^2/NDF : 20.8/20

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

Right Out: 22.402 ± 38.938 χ^2/NDF : 22.1/24

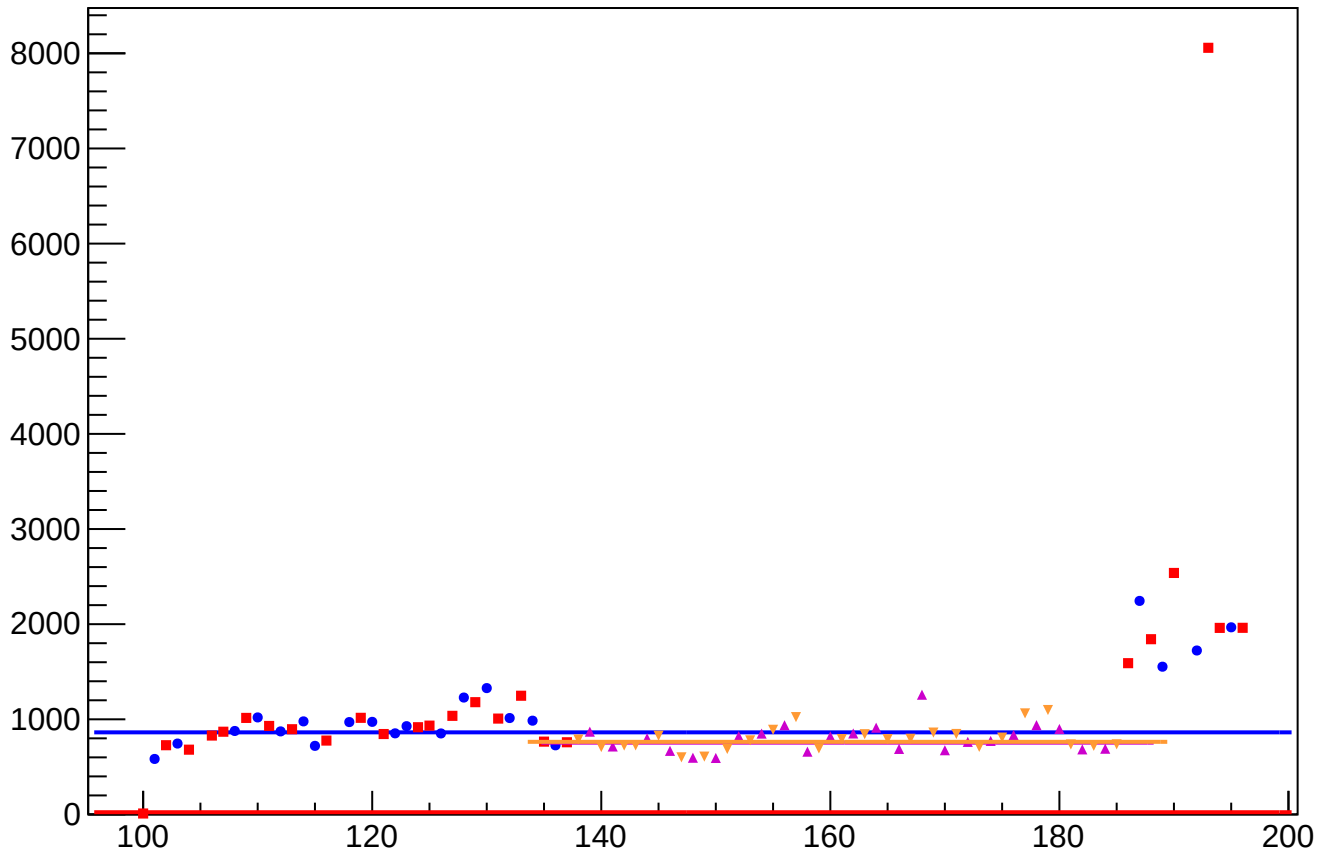
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 196.558 ± 157.350 χ^2/NDF : 48.5/45

All: 31.428 ± 37.020 χ^2/NDF : 91.9/93

- sign 21.752 ± 38.089 χ^2/NDF : 42.2/47

asym_right_dd_correction_rms vs Slug



Right In: 862.938 $\pm$ 0.227 χ^2 /NDF: 1333134.6/20

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

Right Out: 23.444 $\pm$ 0.028 χ^2 /NDF: 17826966.2/24

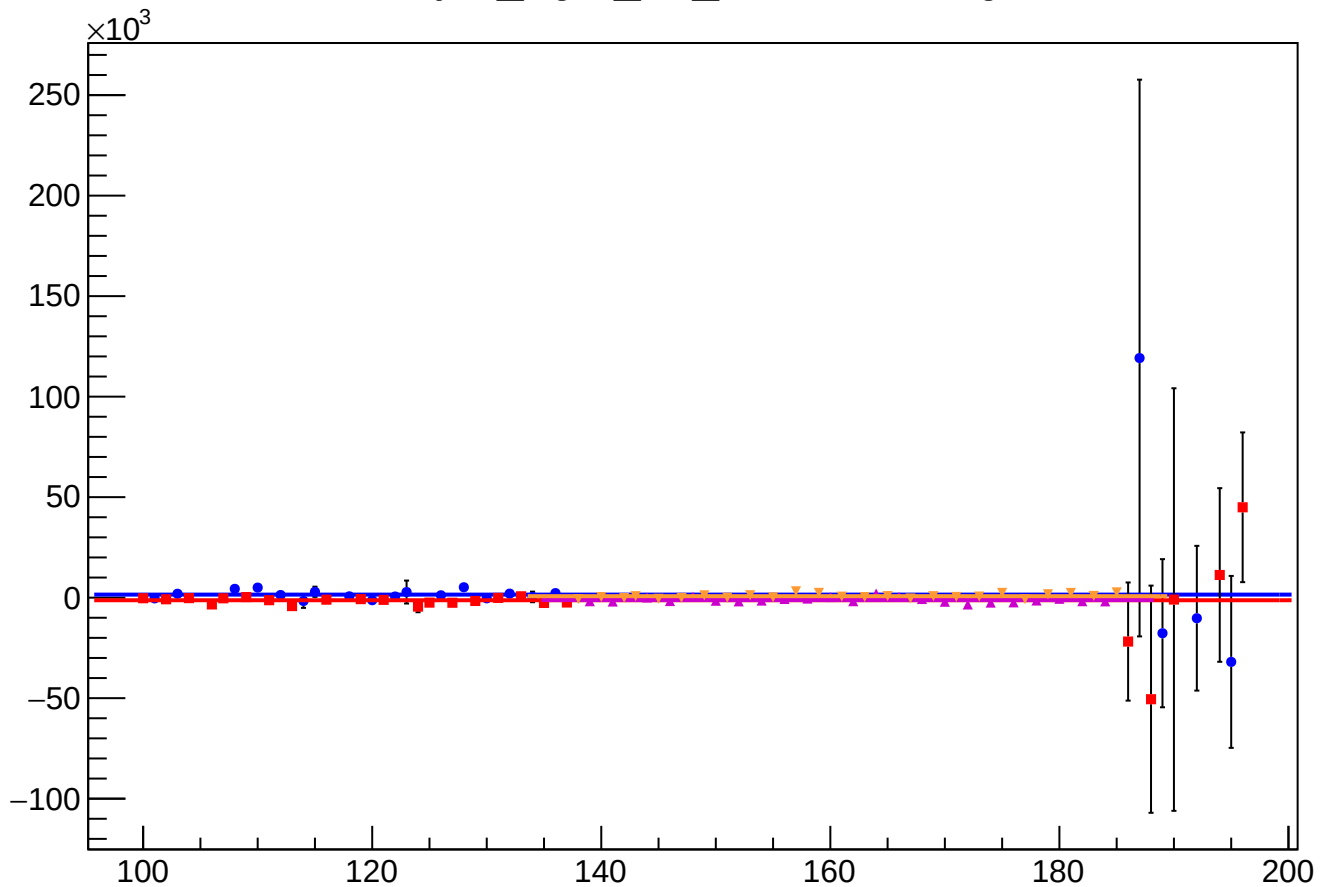
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 787.206 $\pm$ 0.111 χ^2 /NDF: 2233068.1/45

All: 95.483 $\pm$ 0.026 χ^2 /NDF: 92290604.1/93

- sign 54.950 $\pm$ 0.027 χ^2 /NDF: 49141712.5/47

asym_right_dd_mean vs Slug



Right In: 1513.745 ± 402.821 χ^2/NDF : 19.5/20

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

Right Out: -1287.409 ± 376.604 χ^2/NDF : 15.2/23

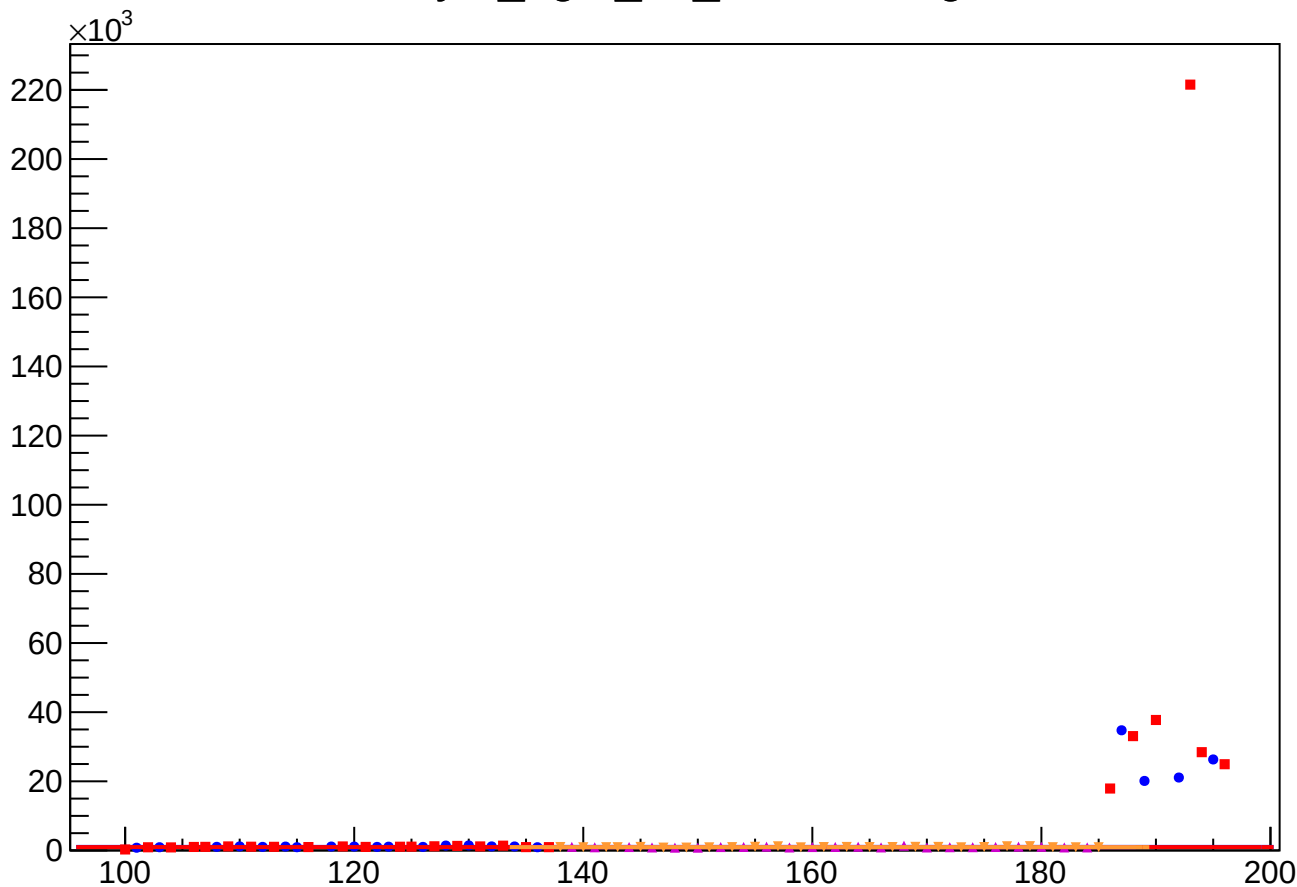
Left In: -1176.288 ± 230.229 χ^2/NDF : 24.2/22

+ sign 926.966 ± 196.872 χ^2/NDF : 42.6/45

All: -142.167 ± 139.053 χ^2/NDF : 140.9/92

- sign -1206.519 ± 196.431 χ^2/NDF : 39.5/46

asym_right_dd_rms vs Slug



Right In: 1029.952 $\pm$ 0.285 χ^2 /NDF: 2327243.9/20

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

Right Out: 973.506 $\pm$ 0.266 χ^2 /NDF: 4418266.2/24

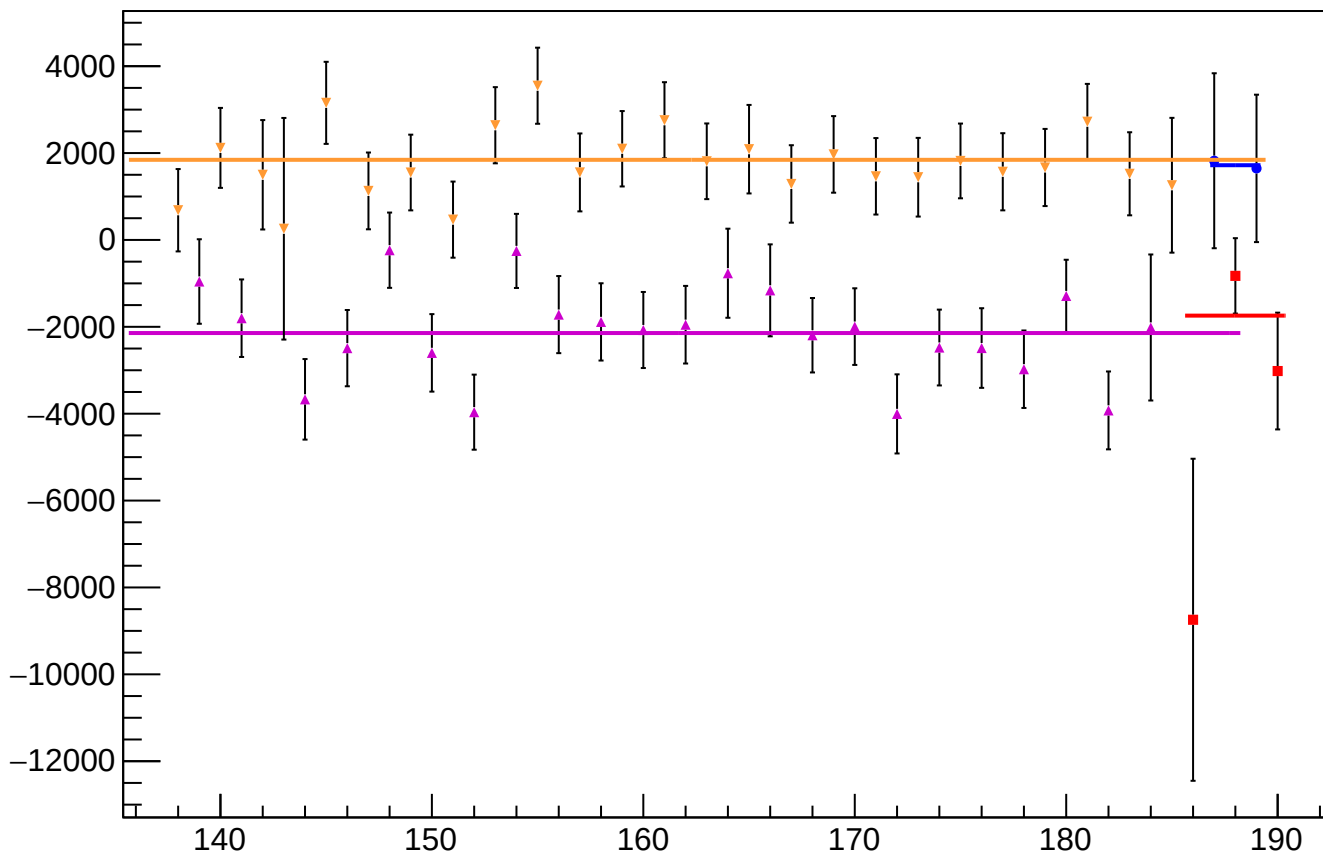
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF:443068.5/22

+ sign 978.822 $\pm$ 0.139 χ^2 /NDF: 2732415.8/45

All: 969.528 $\pm$ 0.098 χ^2 /NDF: 7606036.5/93

- sign 960.275 $\pm$ 0.139 χ^2 /NDF: 4864725.9/47

cor_asym_us_avg_mean vs Slug



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

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

Right Out: -1742.386 $\pm$ 715.276 χ^2 /NDF: 5.6/2

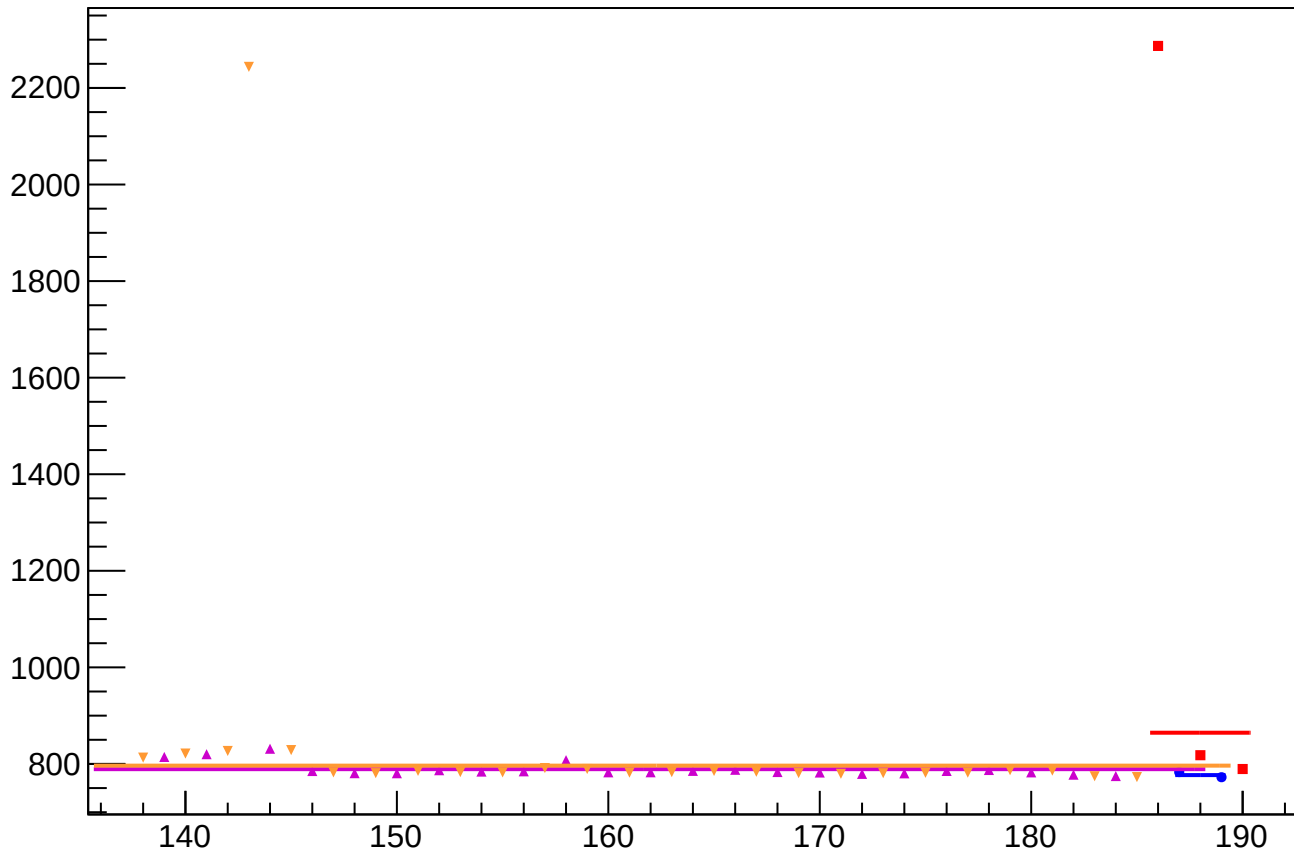
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

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

All: -150.766 $\pm$ 130.375 χ^2 /NDF: 284.1/52

- sign -2116.795 $\pm$ 183.762 χ^2 /NDF: 38.2/25

cor_asym_us_avg_rms vs Slug



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

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

Right Out: 864.658 $\pm$ 0.506 χ^2 /NDF: 306489.7/2

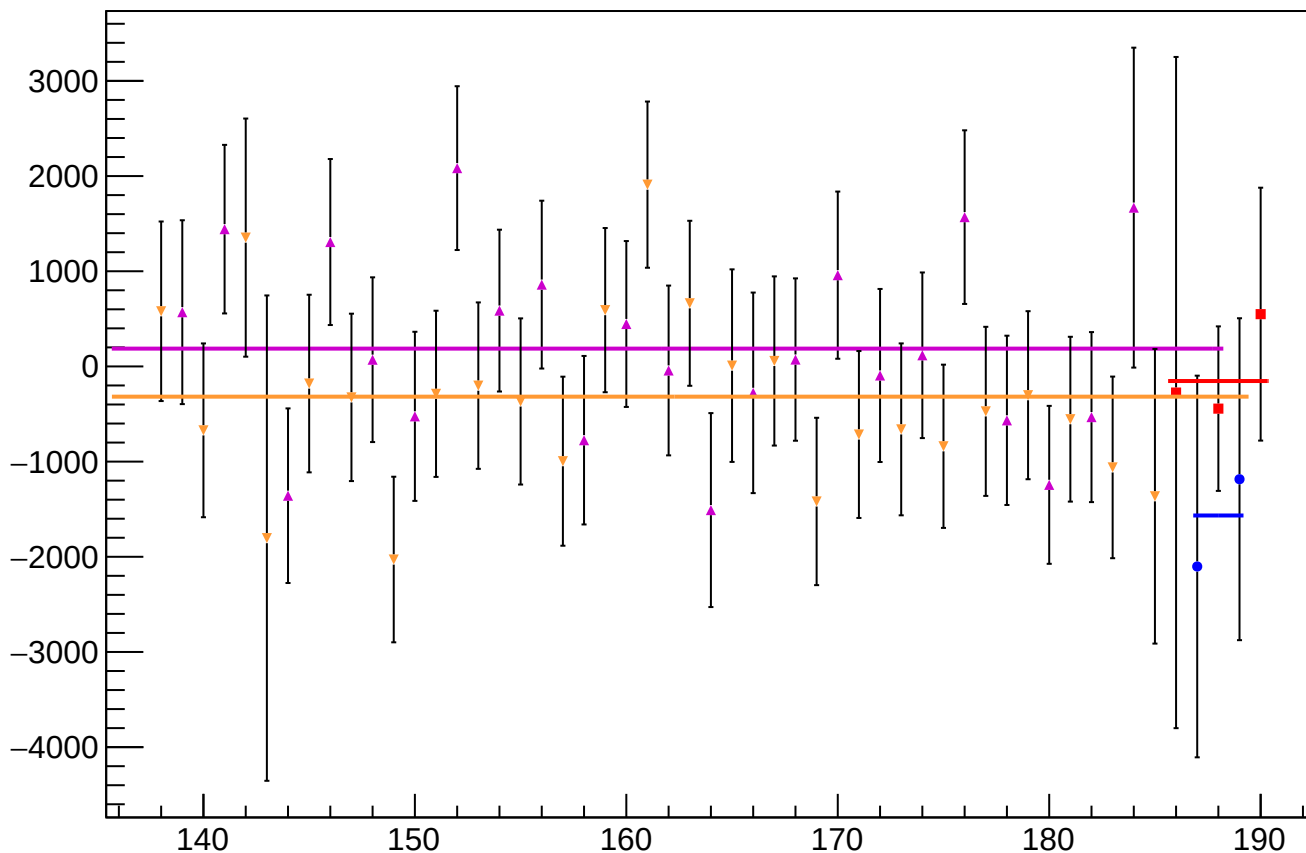
Left In: 789.176 $\pm$ 0.134 χ^2 /NDF: 10860.4/22

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

All: 795.109 $\pm$ 0.092 χ^2 /NDF: 997468.1/52

- sign 794.158 $\pm$ 0.130 χ^2 /NDF: 338152.4/25

cor_asym_us_dd_mean vs Slug



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

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

Right Out: -153.360 $\pm$ 709.634 χ^2 /NDF: 0.4/2

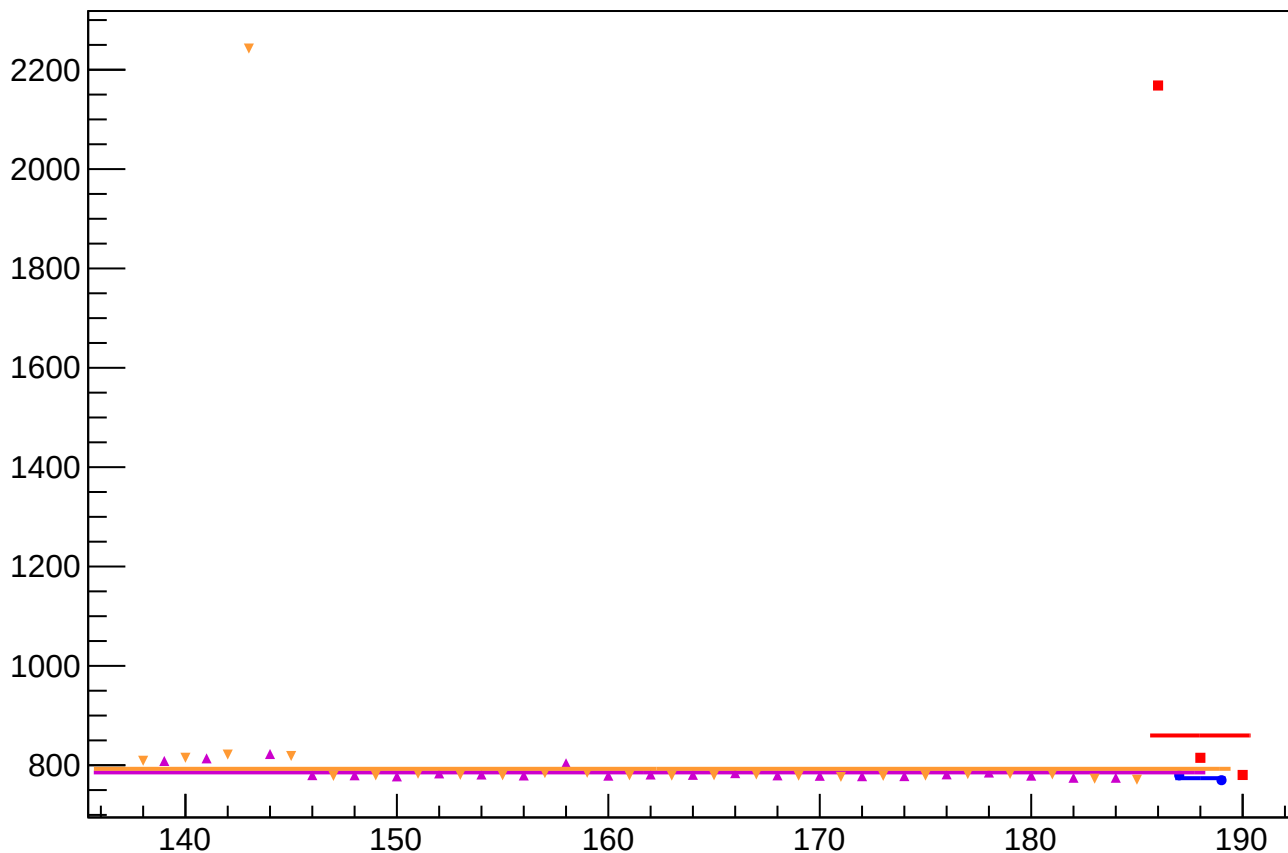
Left In: 187.105 $\pm$ 189.265 χ^2 /NDF:25.6/22

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

All: -87.464 $\pm$ 129.759 χ^2 /NDF: 51.4/52

- sign 164.494 $\pm$ 182.873 χ^2 /NDF: 26.2/25

cor_asym_us_dd_rms vs Slug



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

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

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

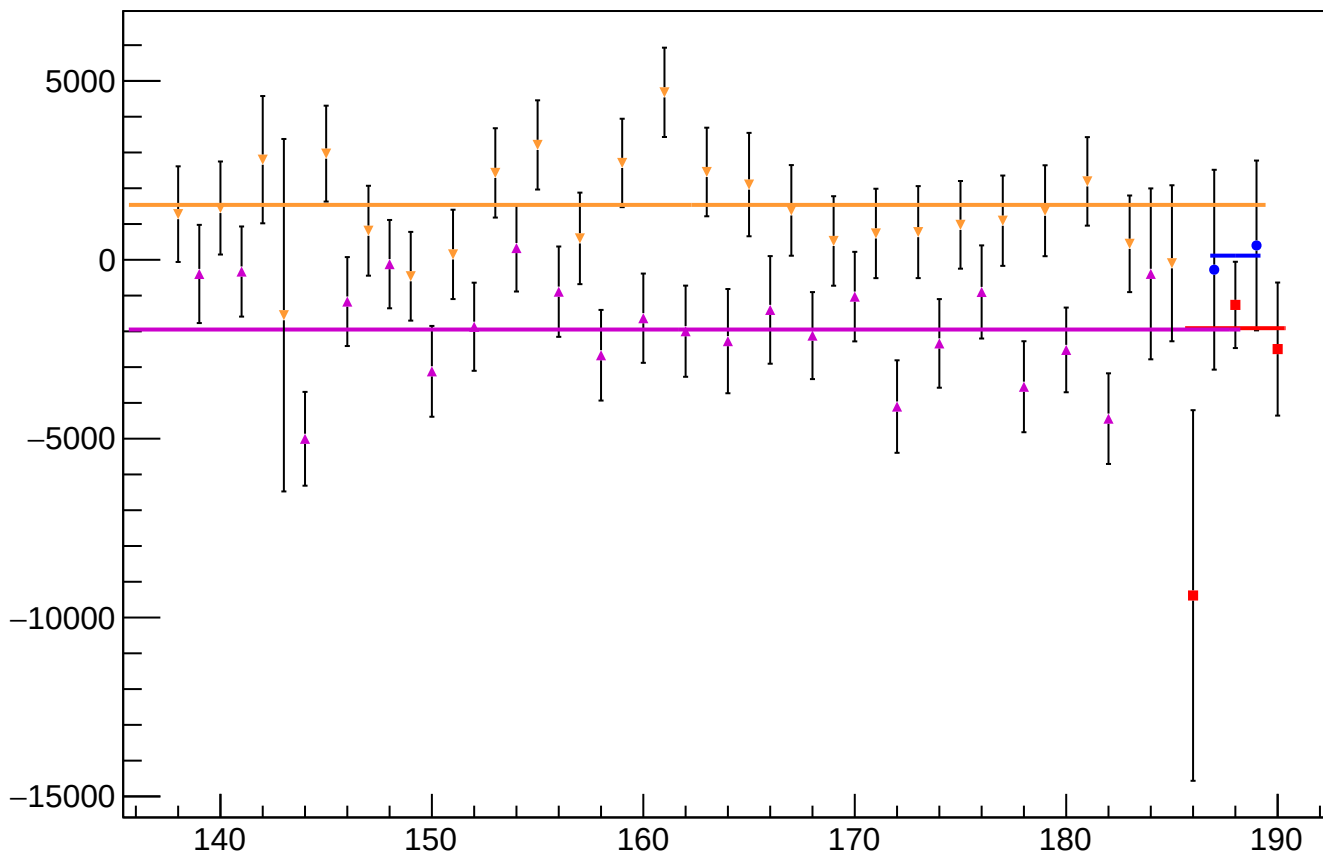
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

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

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

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

cor_asym_usl_mean vs Slug



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

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

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

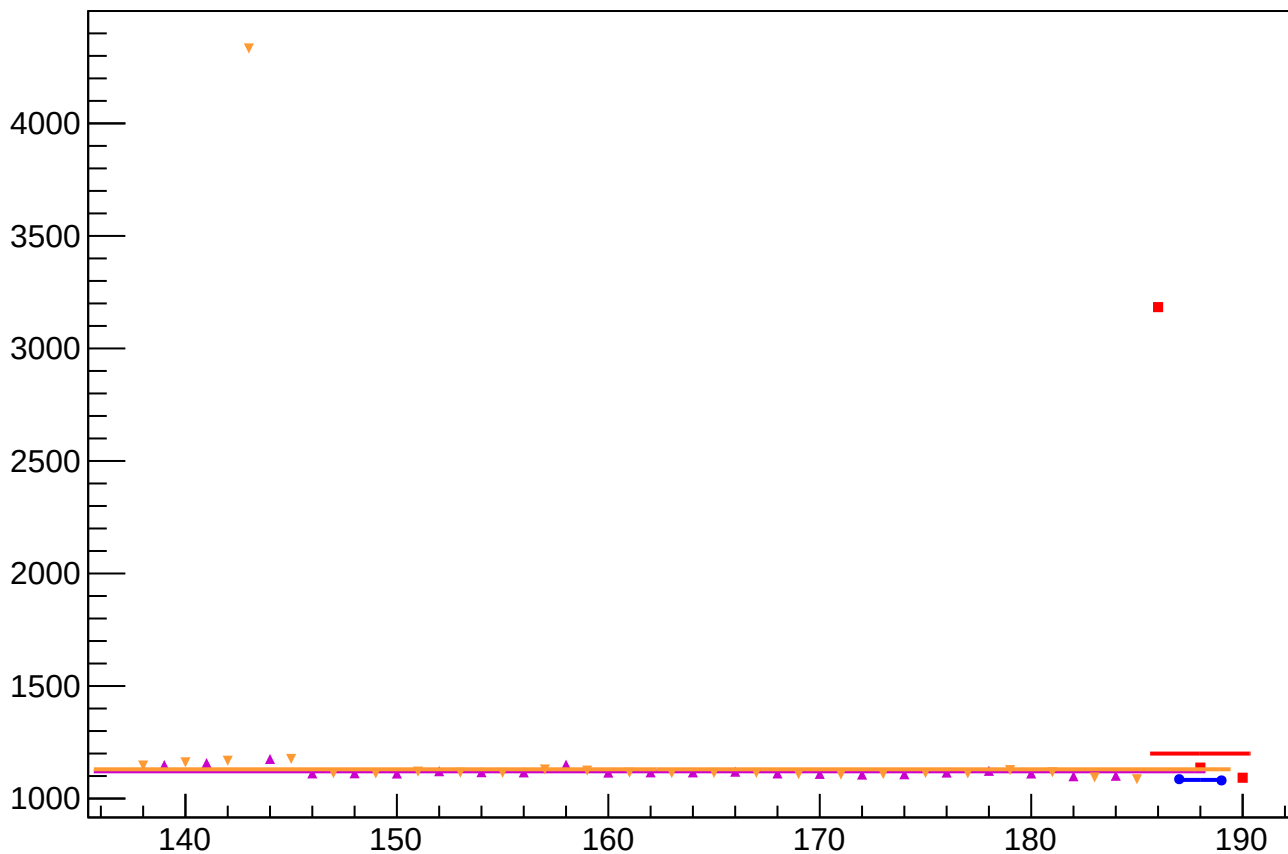
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

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

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

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

cor_asym_usl_rms vs Slug



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

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

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

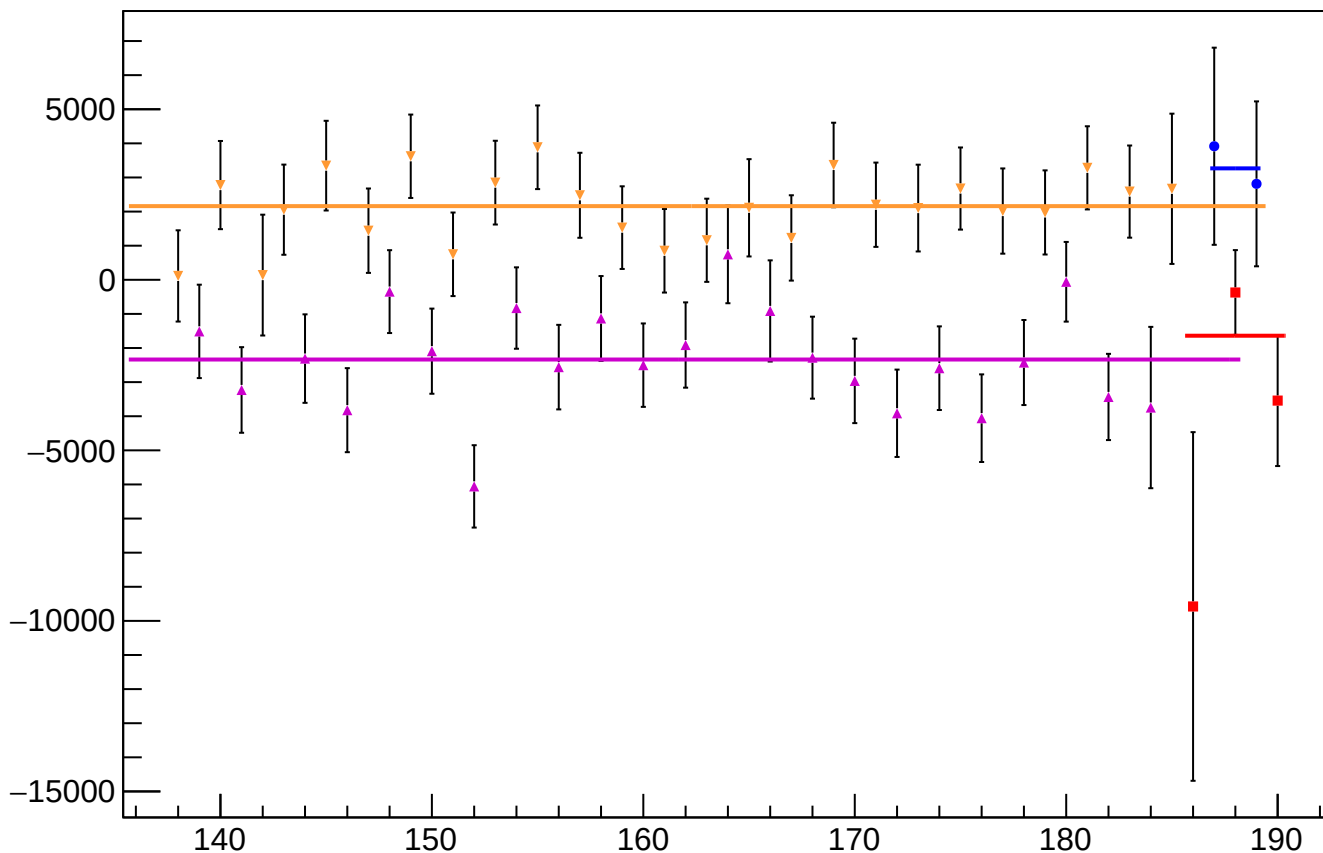
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

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

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

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

cor_asym_usr_mean vs Slug



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

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

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

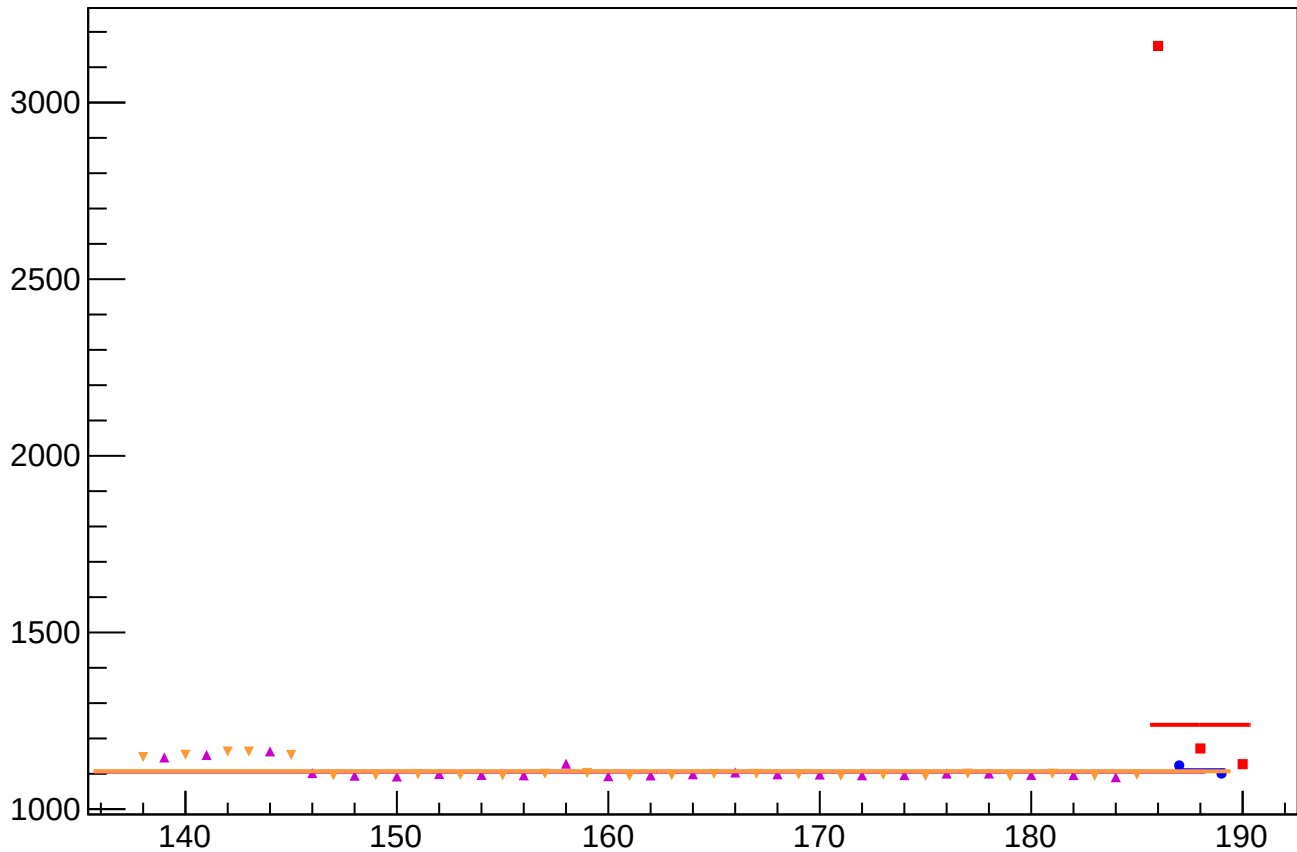
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

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

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

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

cor_asym_usr_rms vs Slug



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

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

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

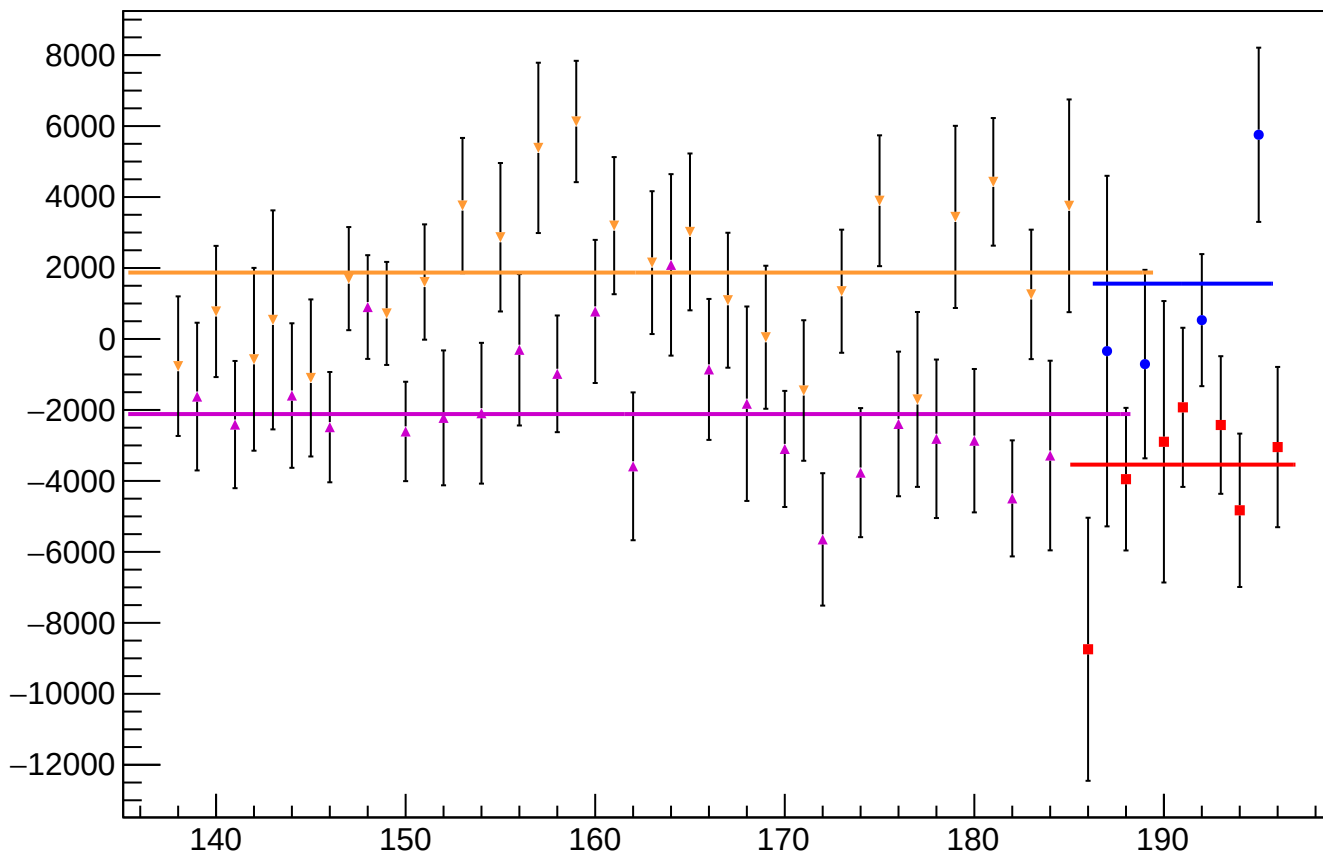
Left In: 1105.955 $\pm$ 0.188 χ^2 /NDF: 11111.3/22

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

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

- sign 1114.399 $\pm$ 0.182 χ^2 /NDF: 337913.0/25

asym_us_agg_avg_mean vs Slug



Right In: 1559.294+/-1252.530 χ^2/NDF : 4.1/3

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

Right Out: -3540.725+/-891.204 χ^2/NDF : 3.3/6

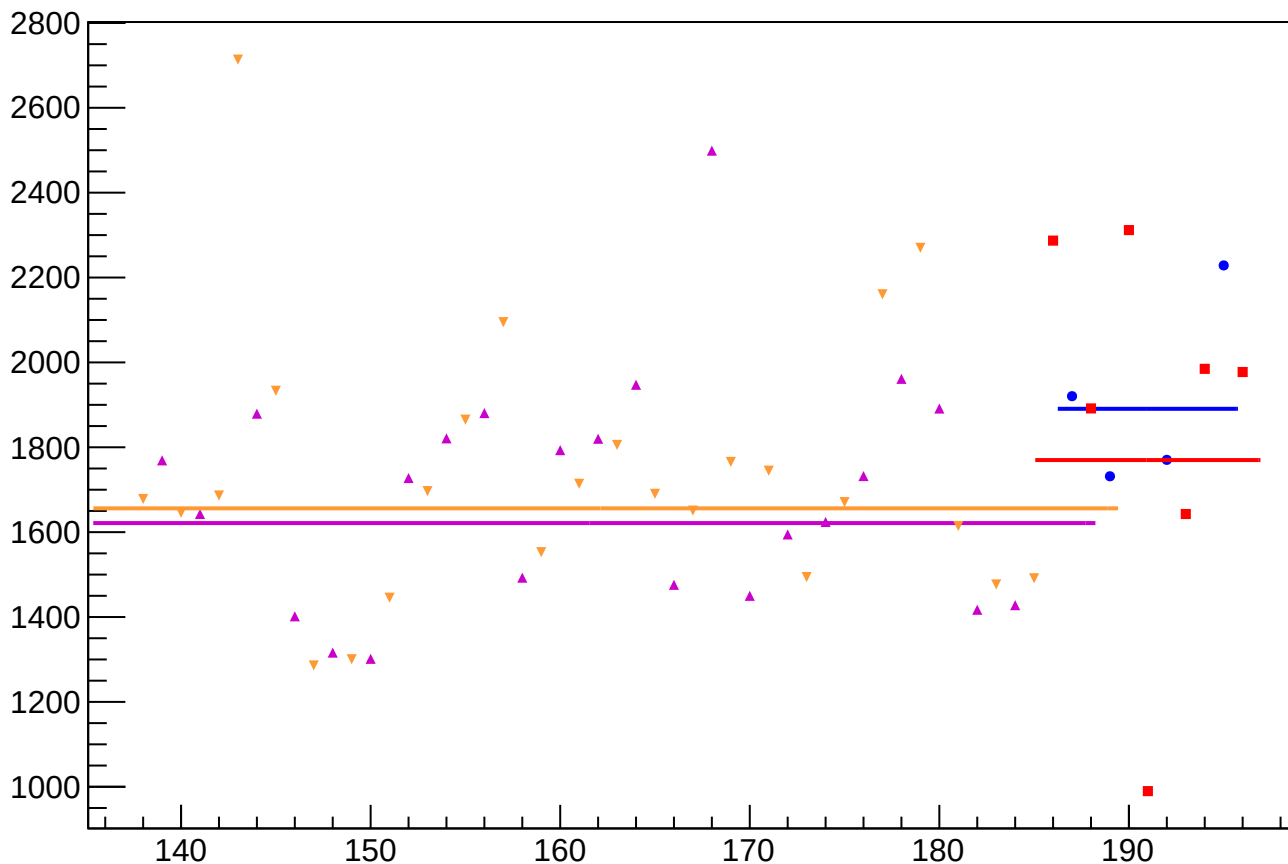
Left In: -2116.114+/-392.997 χ^2/NDF : 18.8/22

+ sign 1843.815+/-373.831 χ^2/NDF : 30.3/28

All: -333.497+/-259.156 χ^2/NDF : 119.8/58

- sign -2348.040+/-359.587 χ^2/NDF : 24.2/29

asym_us_agg_avg_rms vs Slug



Right In: 1890.677+/-0.886 χ^2/NDF : 53484.8/3

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

Right Out: 1769.868+/-0.630 χ^2/NDF : 370953.6/6

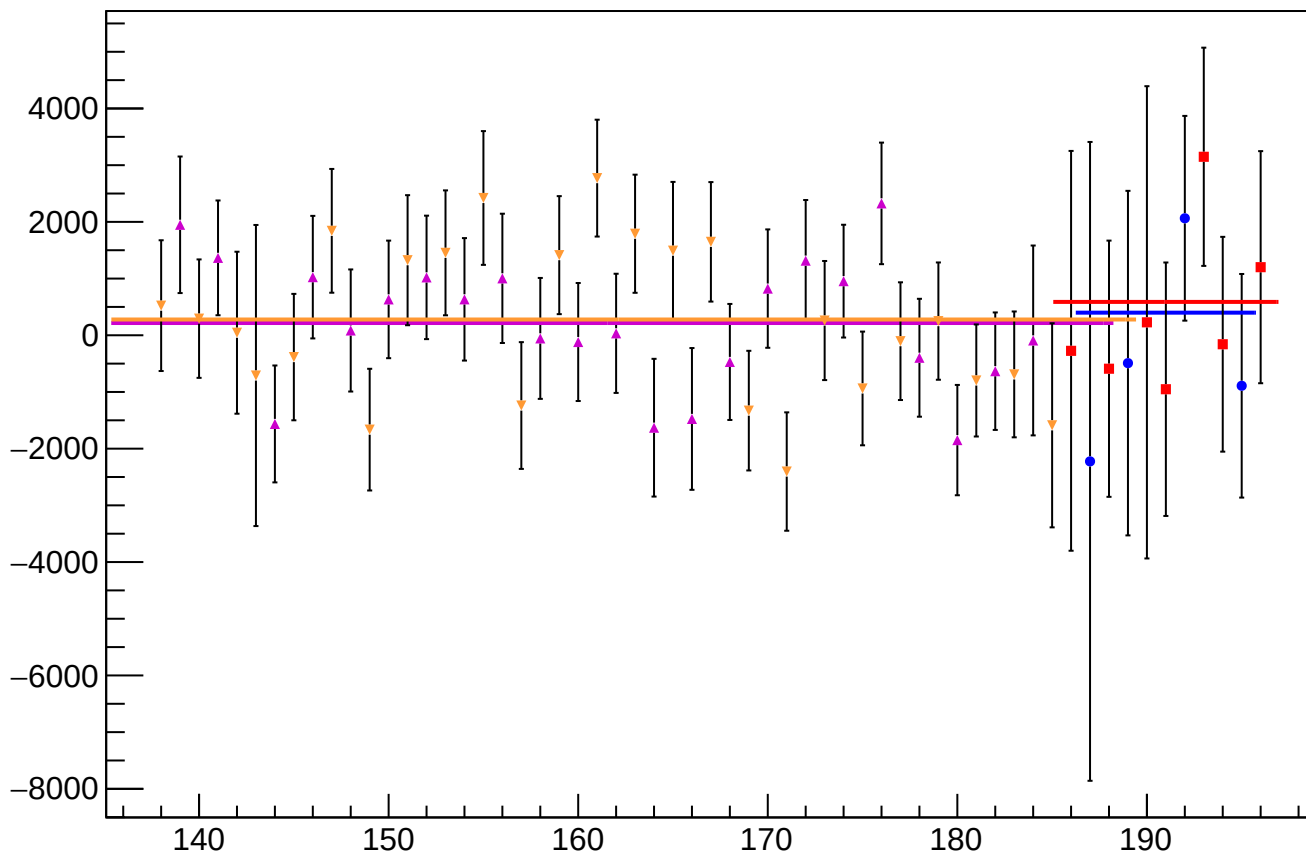
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1677.014+/-0.264 χ^2/NDF : 1027948.3/28

All: 1660.689+/-0.183 χ^2/NDF : 2228013.8/58

- sign 1645.585+/-0.254 χ^2/NDF : 1192722.8/29

asym_us_agg_dd_mean vs Slug



Right In: 398.742 ± 1192.082 $\chi^2/\text{NDF}: 1.6/3$

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

Right Out: 588.405 ± 869.930 $\chi^2/\text{NDF}: 2.8/6$

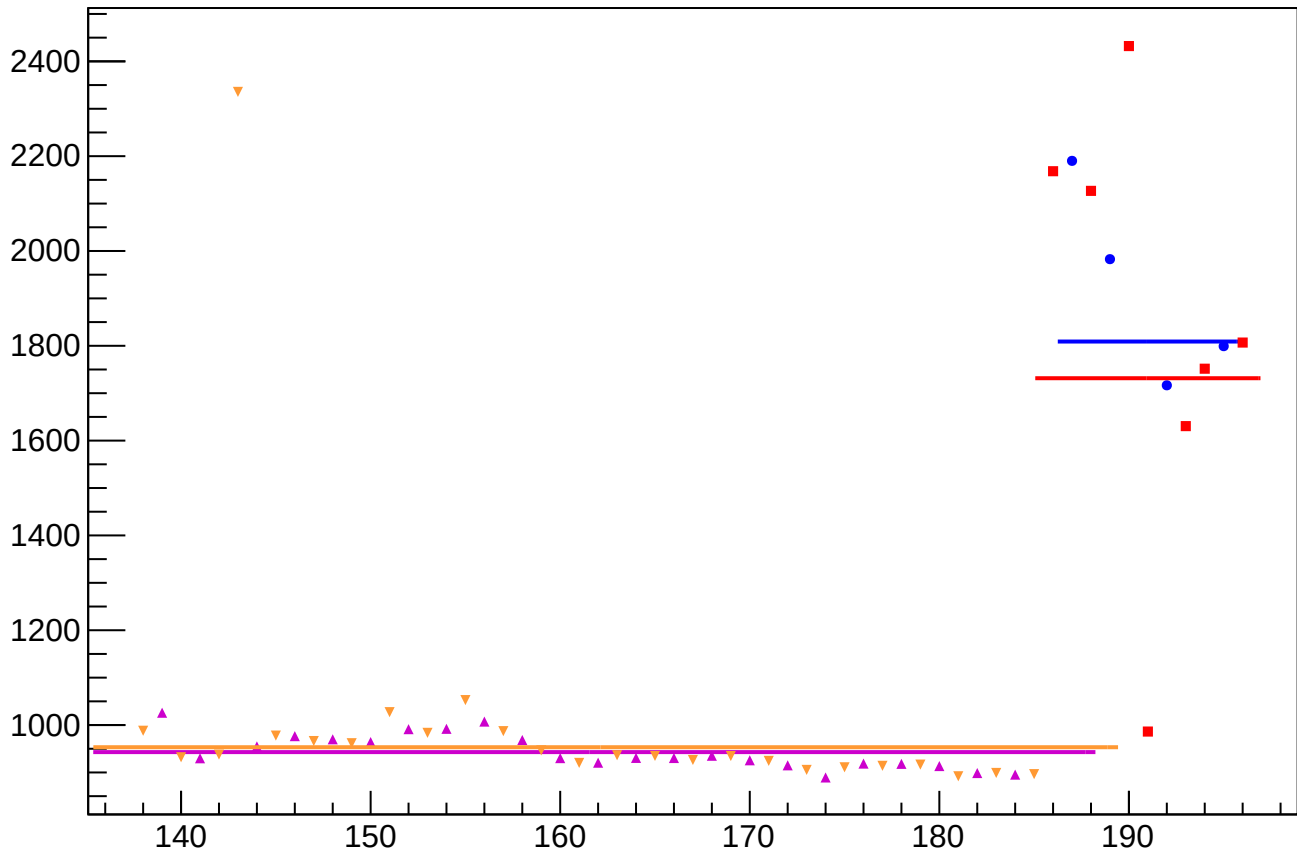
Left In: 216.121 ± 225.600 $\chi^2/\text{NDF}: 24.4/22$

+ sign 282.190 ± 219.749 $\chi^2/\text{NDF}: 40.0/28$

All: 260.752 ± 154.899 $\chi^2/\text{NDF}: 67.4/58$

- sign 239.580 ± 218.377 $\chi^2/\text{NDF}: 27.4/29$

asym_us_agg_dd_rms vs Slug



Right In: 1808.997 $\pm$ 0.843 χ^2 /NDF: 20969.6/3

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

Right Out: 1731.609 $\pm$ 0.615 χ^2 /NDF: 379249.1/6

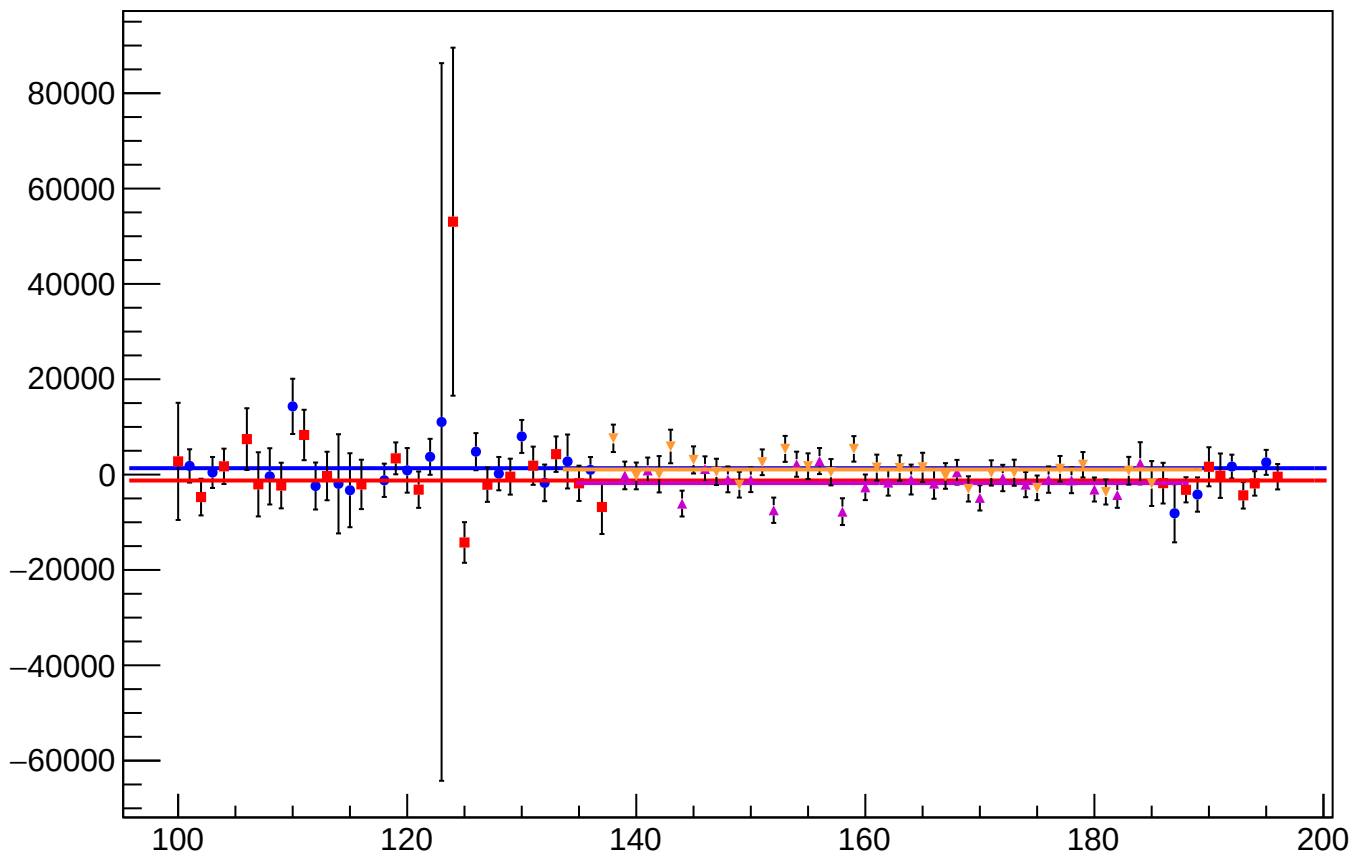
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 982.302 $\pm$ 0.155 χ^2 /NDF: 1622930.8/28

All: 987.496 $\pm$ 0.110 χ^2 /NDF: 3593080.3/58

- sign 992.625 $\pm$ 0.154 χ^2 /NDF: 1967928.6/29

reg_asym_atl1_mean vs Slug



Right In: 1346.040 $\pm$ 851.237 χ^2 /NDF: 17.5/20

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

Right Out: -1240.211 $\pm$ 772.647 χ^2 /NDF: 26.8/25

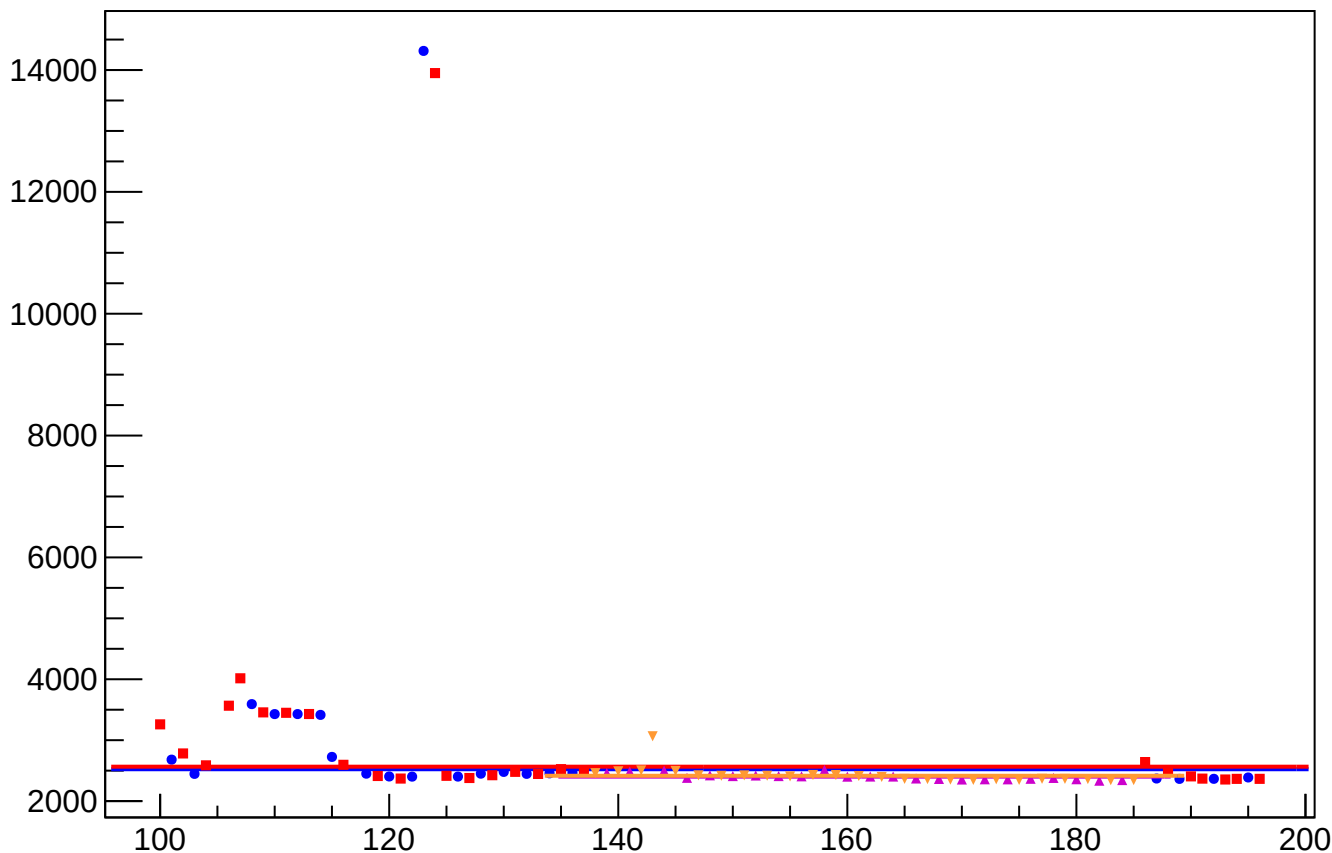
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1159.810 $\pm$ 470.167 χ^2 /NDF: 41.2/45

All: -237.584 $\pm$ 329.440 χ^2 /NDF: 109.7/94

- sign -1585.355 $\pm$ 461.744 χ^2 /NDF: 51.2/48

reg_asym_atl1_rms vs Slug



Right In: 2523.082 $\pm$ 0.602 χ^2 /NDF: 280027.0/20

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

Right Out: 2565.006 $\pm$ 0.546 χ^2 /NDF: 598682.0/25

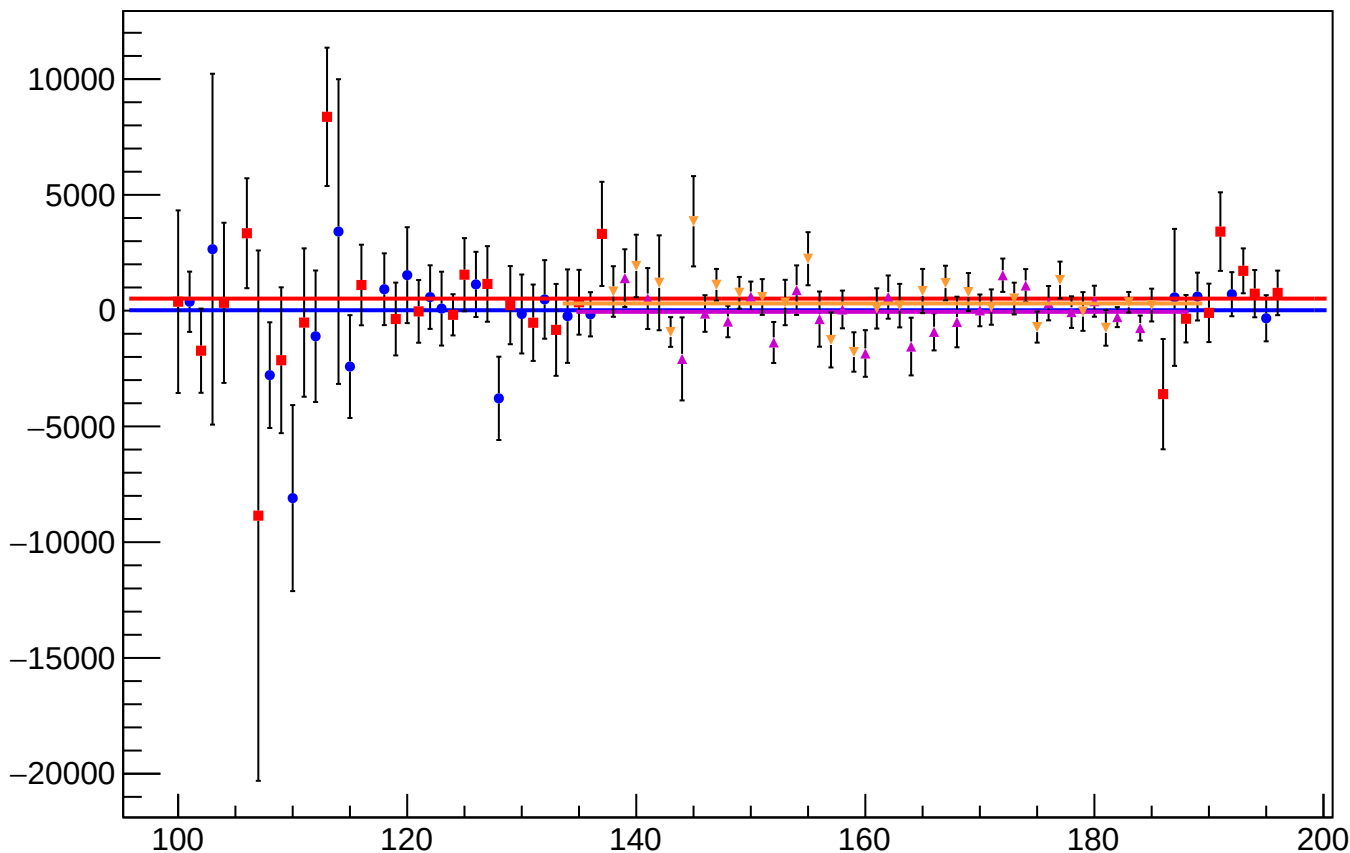
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

+ sign 2448.681 $\pm$ 0.332 χ^2 /NDF: 384648.9/45

All: 2454.364 $\pm$ 0.233 χ^2 /NDF: 1055284.8/94

- sign 2459.844 $\pm$ 0.327 χ^2 /NDF: 670062.0/48

asym_atl1_correction_mean vs Slug



Right In: 16.874 ± 337.214 $\chi^2/\text{NDF}: 14.7/20$

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

Right Out: 519.257 ± 299.420 $\chi^2/\text{NDF}: 24.1/25$

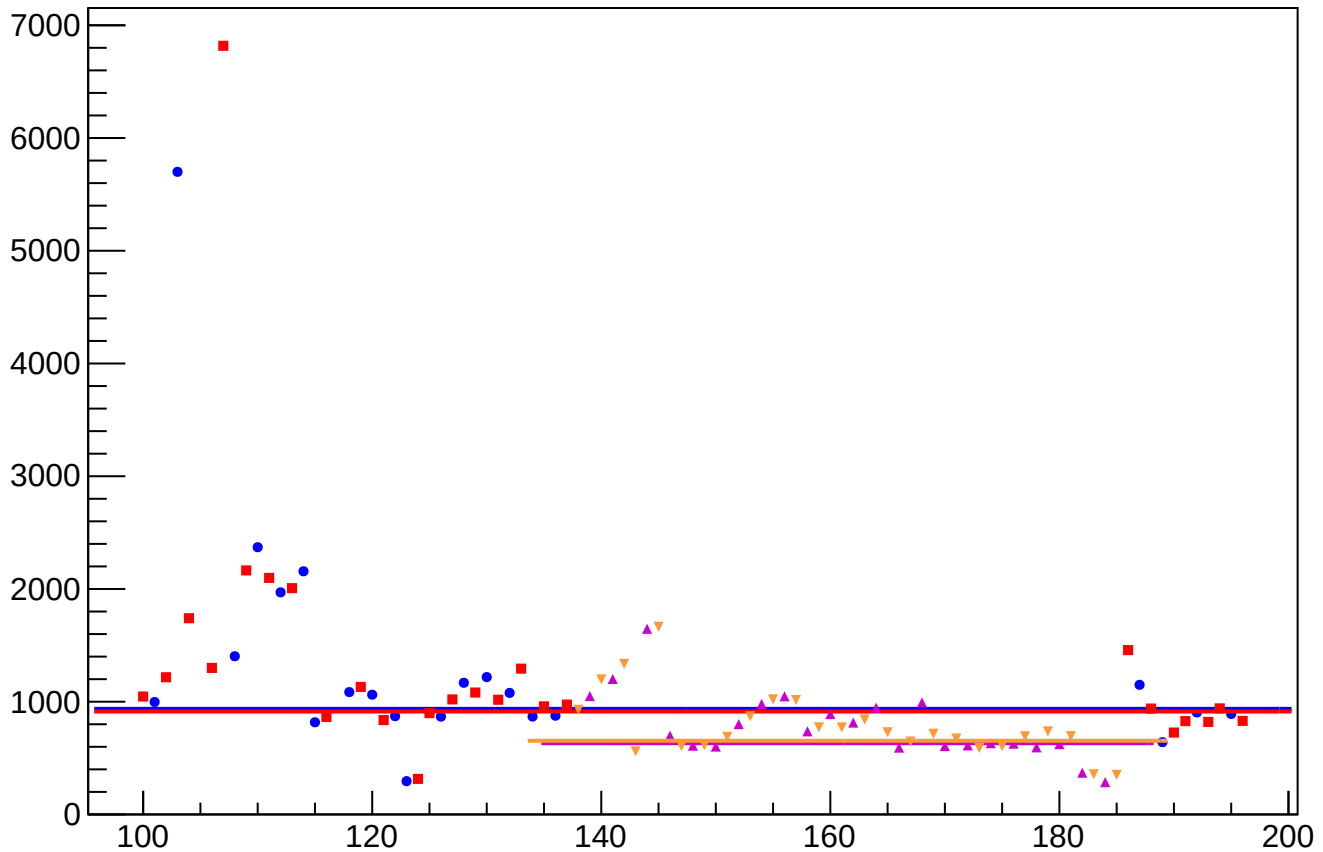
Left In: -51.454 ± 161.744 $\chi^2/\text{NDF}: 23.8/22$

+ sign 256.489 ± 145.033 $\chi^2/\text{NDF}: 45.1/45$

All: 165.280 ± 101.577 $\chi^2/\text{NDF}: 96.6/94$

- sign 77.465 ± 142.308 $\chi^2/\text{NDF}: 50.7/48$

asym_atl1_correction_rms vs Slug



Right In: 936.664 $\pm$ 0.238 χ^2 /NDF: 2122929.9/20

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

Right Out: 913.135 $\pm$ 0.212 χ^2 /NDF: 2867419.2/25

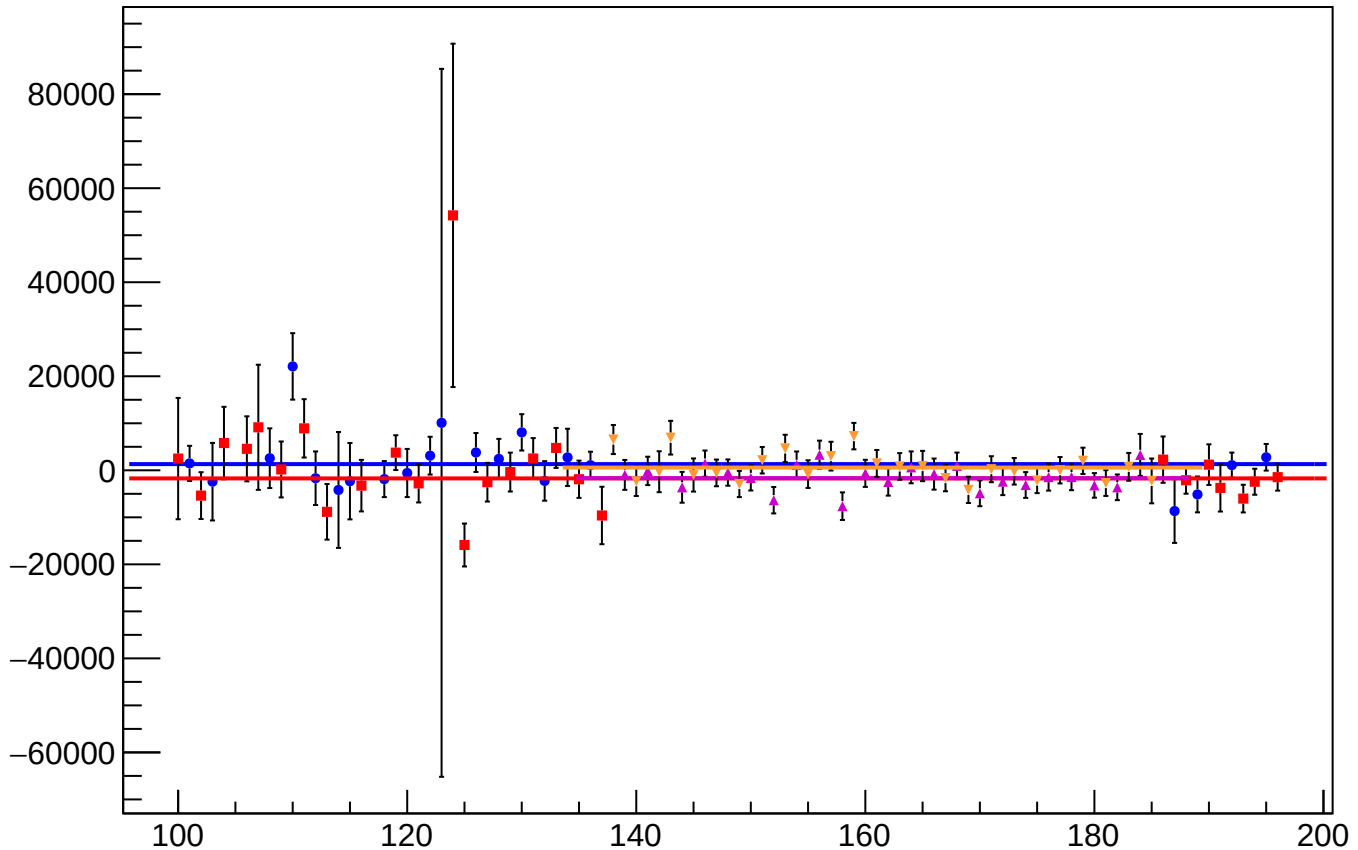
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 706.126 $\pm$ 0.103 χ^2 /NDF: 6524553.3/45

All: 700.736 $\pm$ 0.072 χ^2 /NDF: 14704640.6/94

- sign 695.547 $\pm$ 0.101 χ^2 /NDF: 8174665.7/48

asym_atl1_mean vs Slug



Right In: 1318.039 ± 956.135 χ^2/NDF : 20.2/20

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

Right Out: -1723.001 ± 867.374 χ^2/NDF : 30.5/25

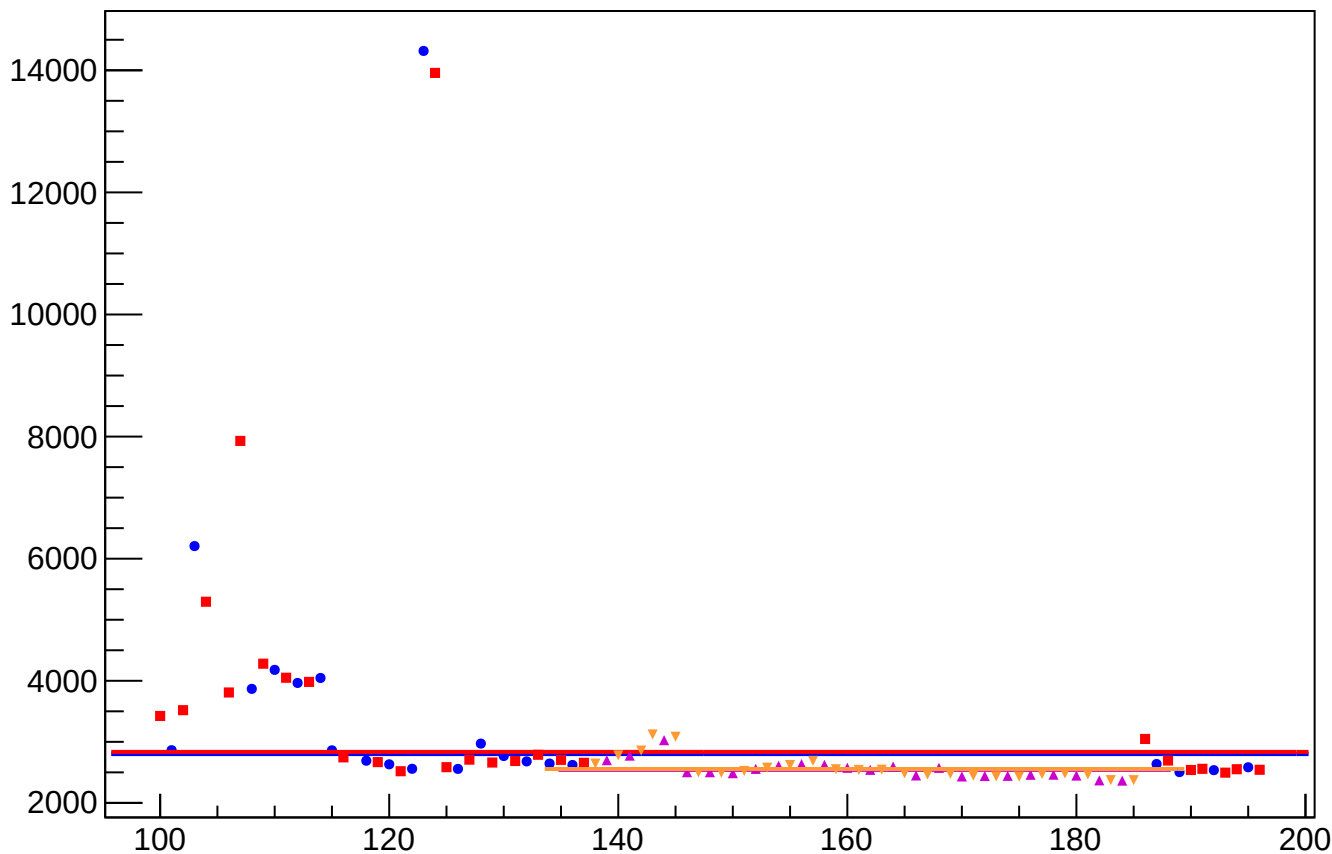
Left In: -1679.572 ± 610.111 χ^2/NDF : 18.2/22

+ sign 787.742 ± 506.500 χ^2/NDF : 45.9/45

All: -471.553 ± 355.477 χ^2/NDF : 106.8/94

- sign -1693.947 ± 499.024 χ^2/NDF : 48.7/48

asym_atl1_rms vs Slug



Right In: 2799.432 ± 0.676 χ^2/NDF : 701595.8/20

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

Right Out: 2835.479 ± 0.613 χ^2/NDF : 1160979.6/25

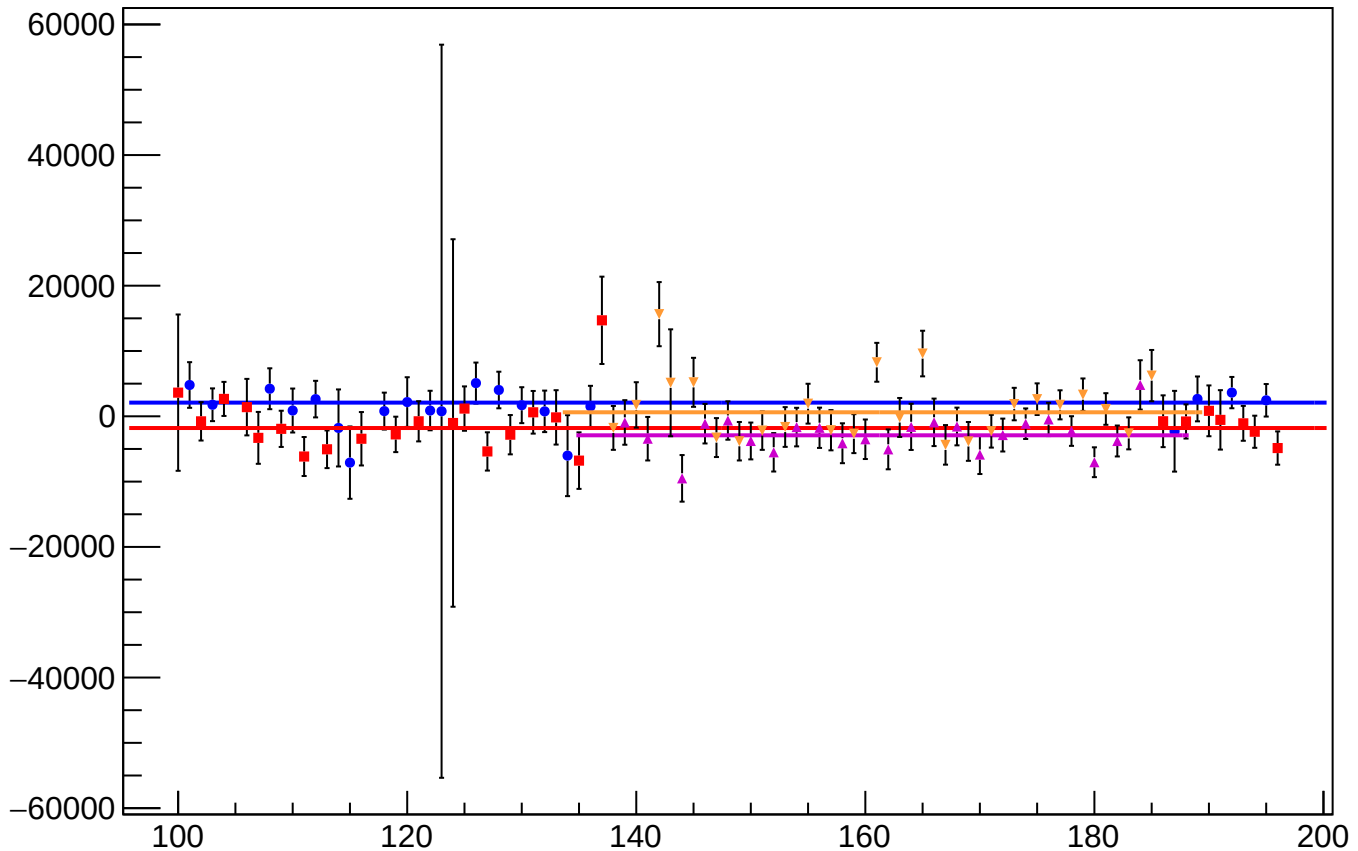
Left In: 2540.988 ± 0.431 χ^2/NDF : 94756.7/22

+ sign 2623.793 ± 0.358 χ^2/NDF : 950154.3/45

All: 2631.238 ± 0.251 χ^2/NDF : 2360978.2/94

- sign 2638.465 ± 0.353 χ^2/NDF : 1409972.4/48

reg_asym_atl2_mean vs Slug



Right In: 2094.906 ± 714.841 χ^2/NDF : 9.1/20

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

Right Out: -1794.833 ± 648.664 χ^2/NDF : 20.6/25

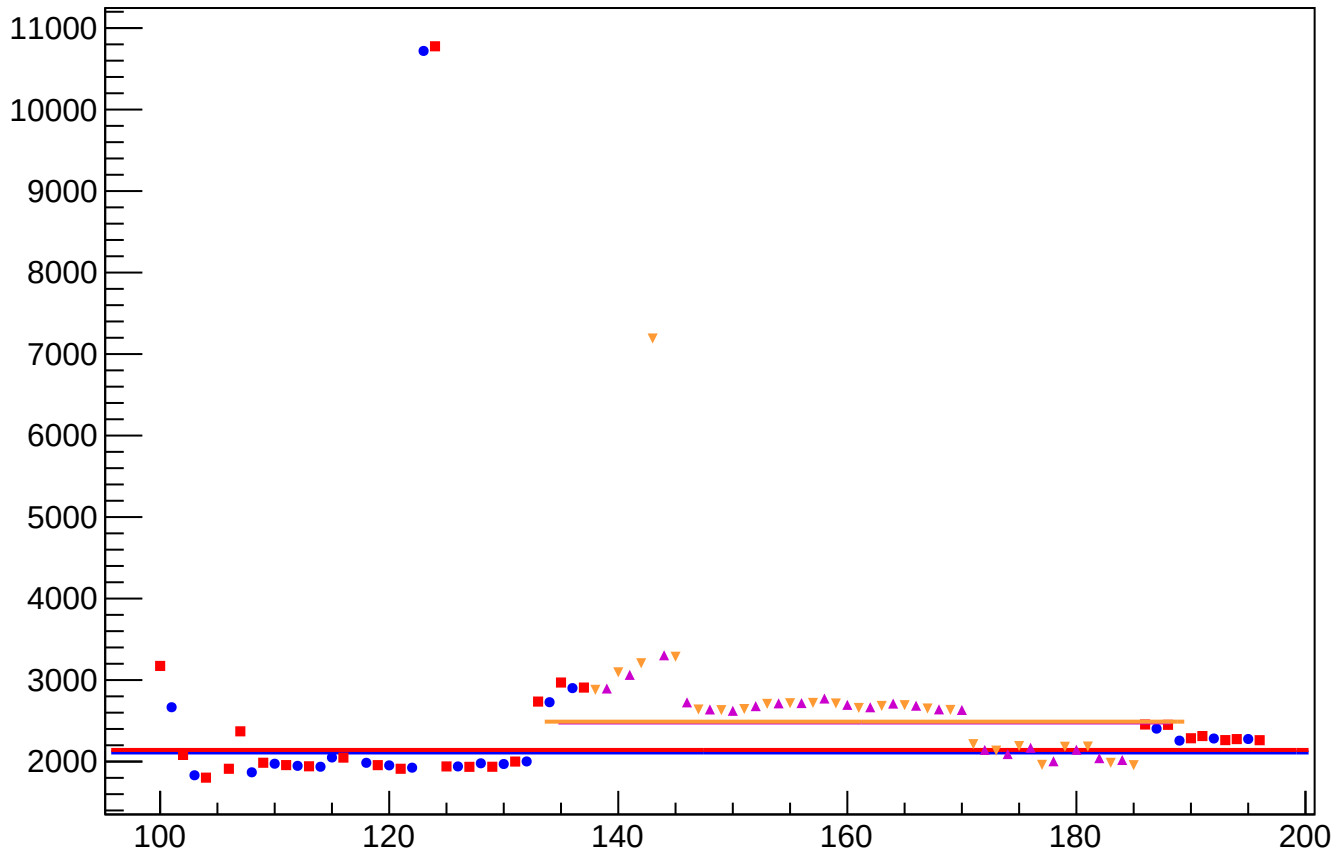
Left In: -2909.108 ± 599.673 χ^2/NDF : 17.4/22

+ sign 1215.954 ± 455.556 χ^2/NDF : 56.8/45

All: -651.181 ± 316.608 χ^2/NDF : 128.8/94

- sign -2395.632 ± 440.335 χ^2/NDF : 39.5/48

reg_asym_atl2_rms vs Slug



Right In: 2111.381 $\pm$ 0.505 χ^2 /NDF: 352497.6/20

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

Right Out: 2142.602 $\pm$ 0.459 χ^2 /NDF: 526382.8/25

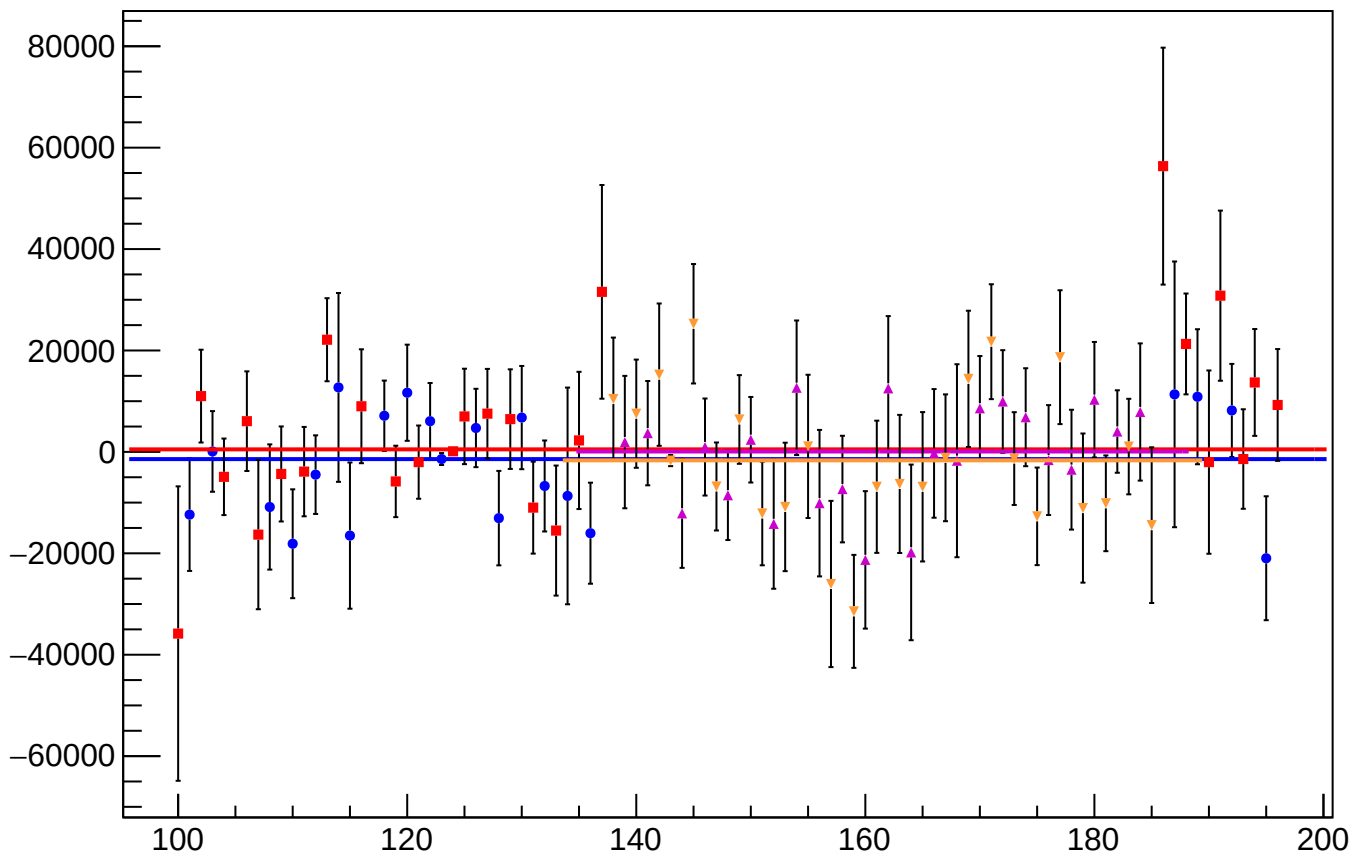
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF:668398.2/22

+ sign 2335.980 $\pm$ 0.322 χ^2 /NDF: 2049157.5/45

All: 2329.874 $\pm$ 0.224 χ^2 /NDF: 3535260.7/94

- sign 2324.170 $\pm$ 0.311 χ^2 /NDF: 1485408.2/48

asym_atl2_correction_mean vs Slug



Right In: -1421.251 $\pm$ 1039.926 χ^2 /NDF: 20.4/20

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

Right Out: 502.121 $\pm$ 687.703 χ^2 /NDF: 36.7/25

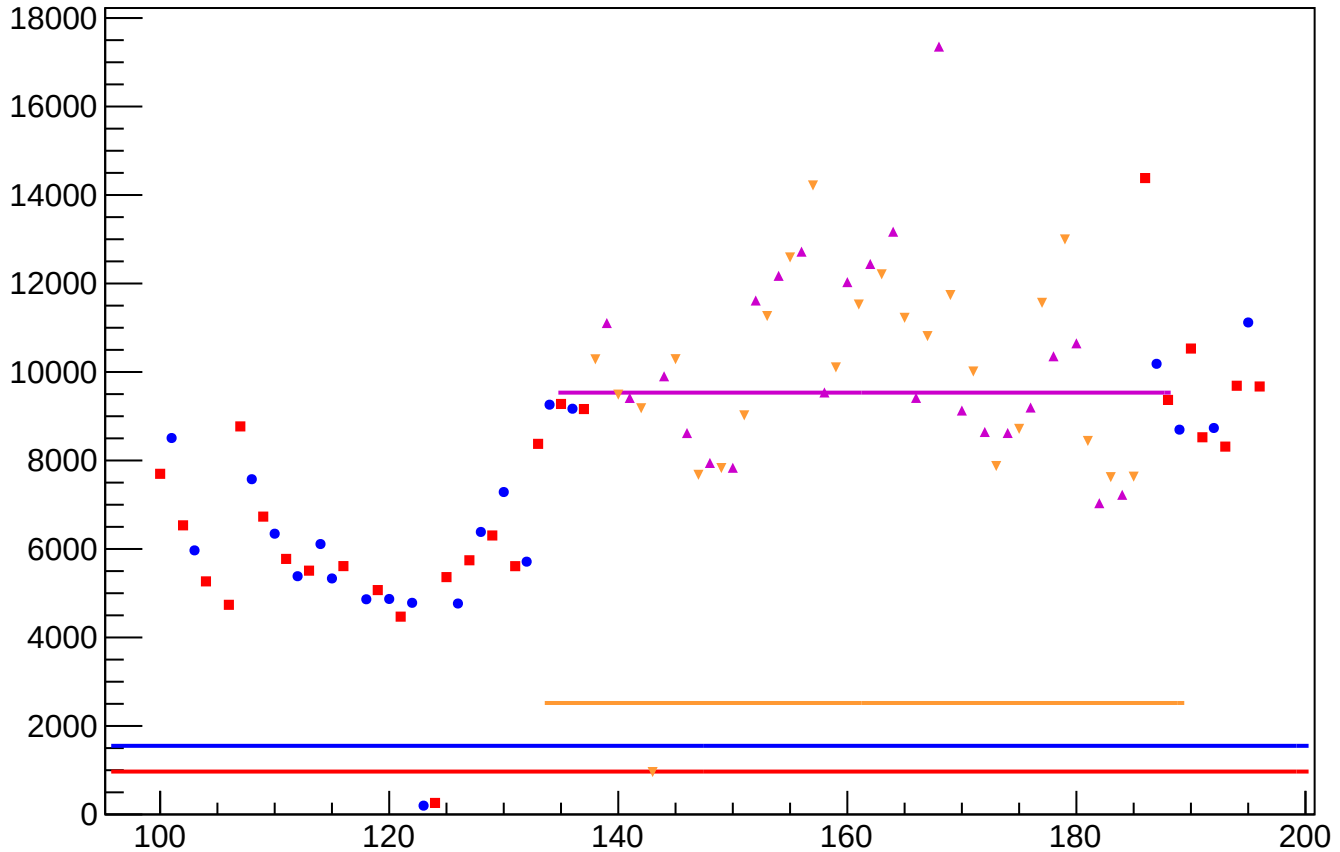
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1548.959 $\pm$ 718.196 χ^2 /NDF: 52.9/45

All: -454.674 $\pm$ 485.808 χ^2 /NDF: 107.7/94

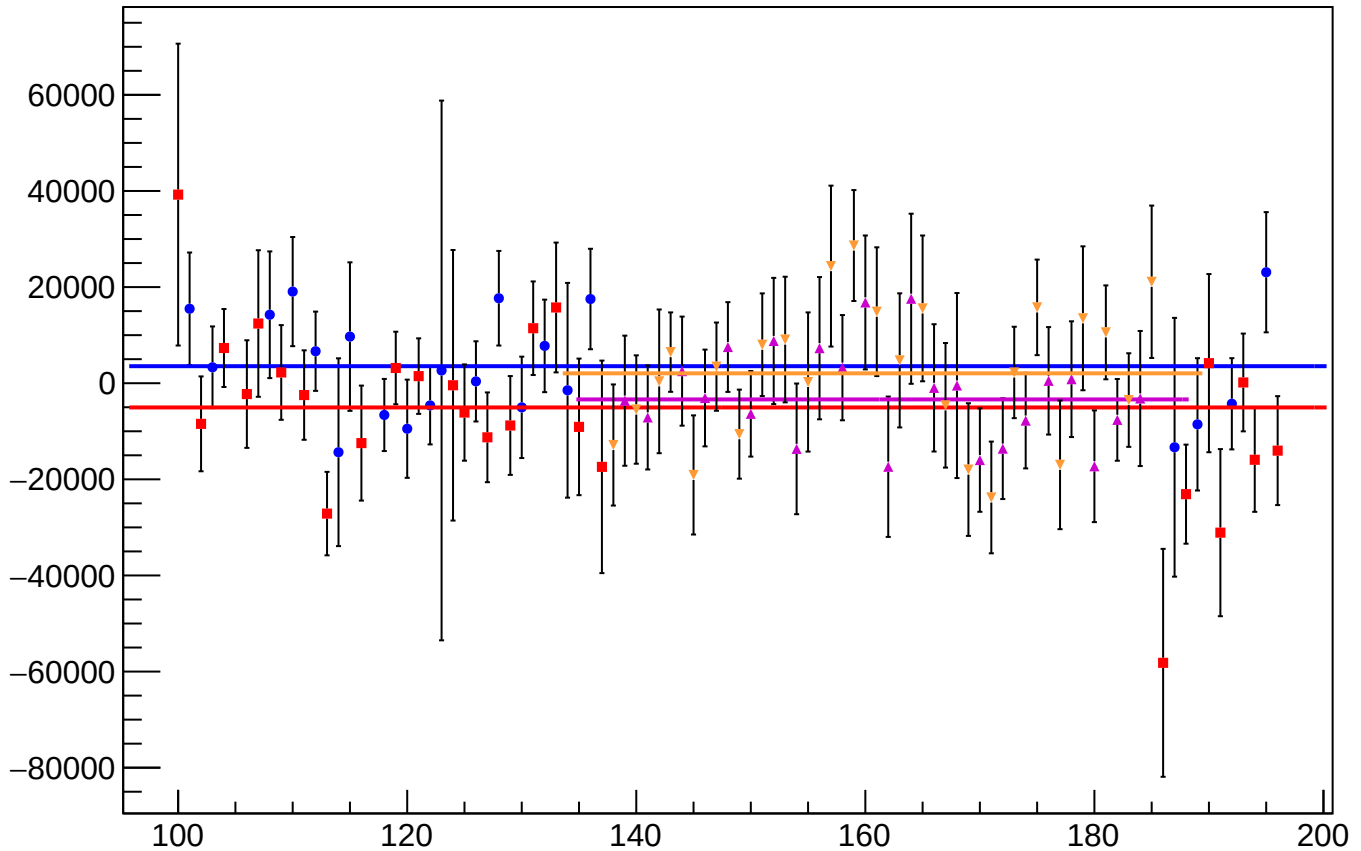
- sign 468.358 $\pm$ 659.608 χ^2 /NDF: 50.6/48

asym_atl2_correction_rms vs Slug



Right In: 1550.963+/-0.735	χ^2/NDF : 13362590.8/20	+ sign 2057.473+/-0.508	χ^2/NDF : 37911832.4/45
Left Out: 2519.359+/-0.702	χ^2/NDF : 23642118.3/24	All: 1839.049+/-0.344	χ^2/NDF : 82737453.8/9
Right Out: 969.358+/-0.486	χ^2/NDF : 18342785.7/25	- sign 1654.809+/-0.466	χ^2/NDF : 44484595.8/48
Left In: 9533.563+/-1.649	χ^2/NDF : 1316640.0/22		

asym_atl2_mean vs Slug



Right In: 3541.782 ± 2365.084 χ^2/NDF : 18.4/20

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

+ sign 2788.877 ± 1661.085 χ^2/NDF : 49.3/45

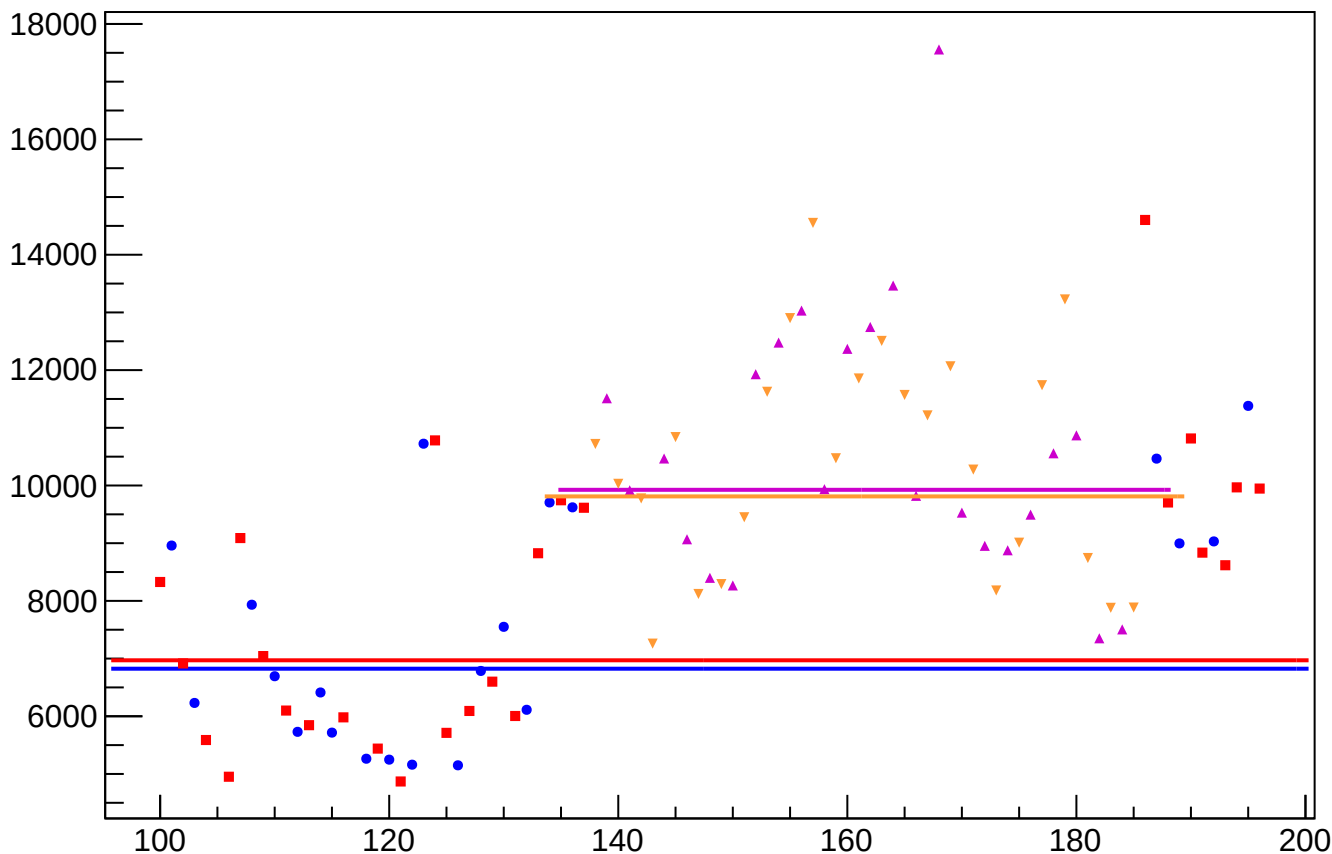
Right Out: -5043.325 ± 2165.949 χ^2/NDF : 33.9/25

All: -856.044 ± 1157.886 χ^2/NDF : 105.9/94

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

- sign -4301.041 ± 1614.888 χ^2/NDF : 47.2/48

asym_atl2_rms vs Slug



Right In: 6824.366+/-1.672 χ^2/NDF : 1102201.6/20

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

Right Out: 6970.164+/-1.532 χ^2/NDF : 1506902.2/25

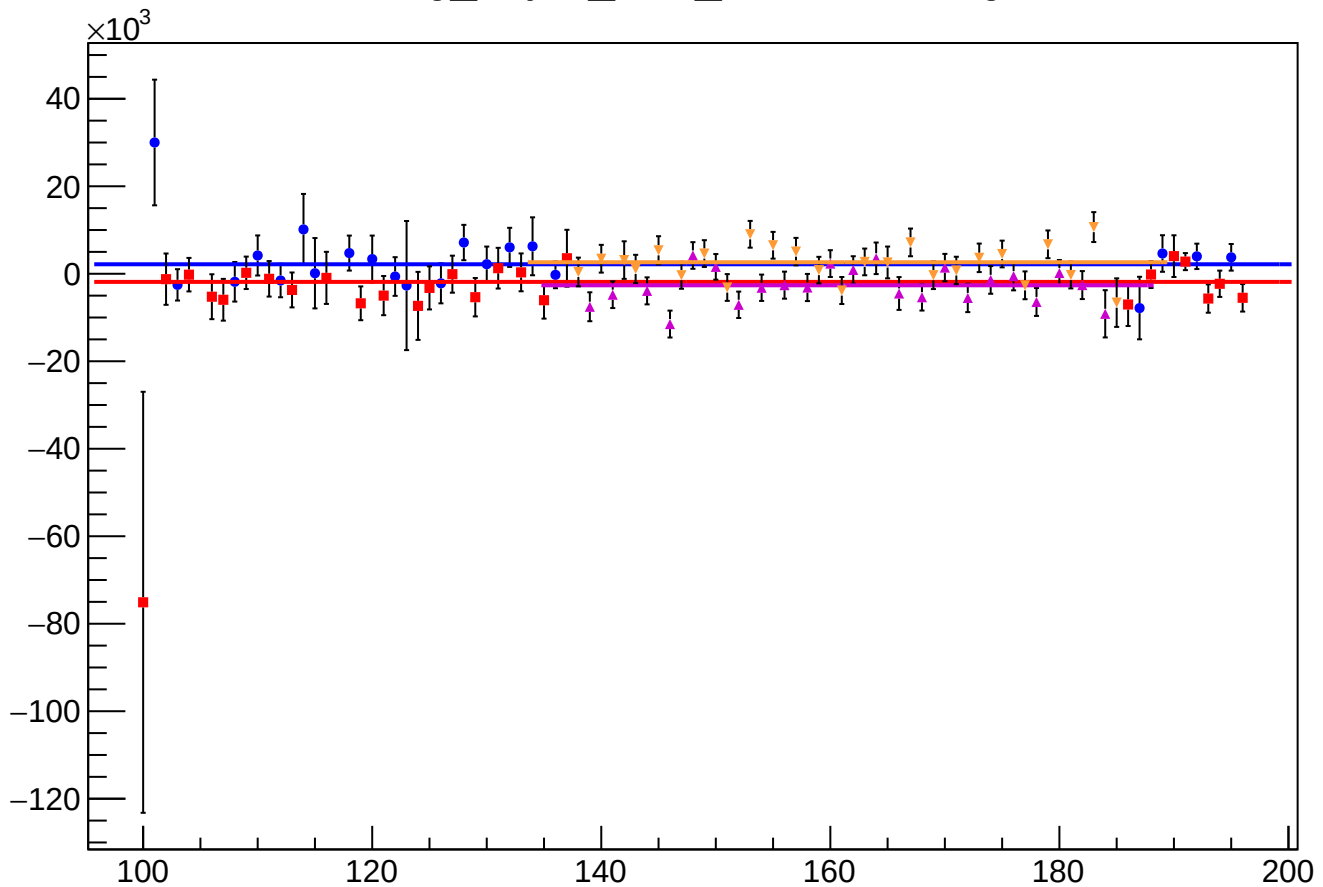
Left In: 9925.337+/-1.713 χ^2/NDF : 1211554.7/22

+ sign 8337.782+/-1.175 χ^2/NDF : 3932208.5/45

All: 8309.379+/-0.819 χ^2/NDF : 8305304.8/94

- sign 8282.534+/-1.142 χ^2/NDF : 4371958.9/48

reg_asym_atr1_mean vs Slug



Right In: 2170.332 $\pm$ 960.044 χ^2 /NDF: 16.5/20

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

Right Out: -1857.671 $\pm$ 783.885 χ^2 /NDF: 21.5/25

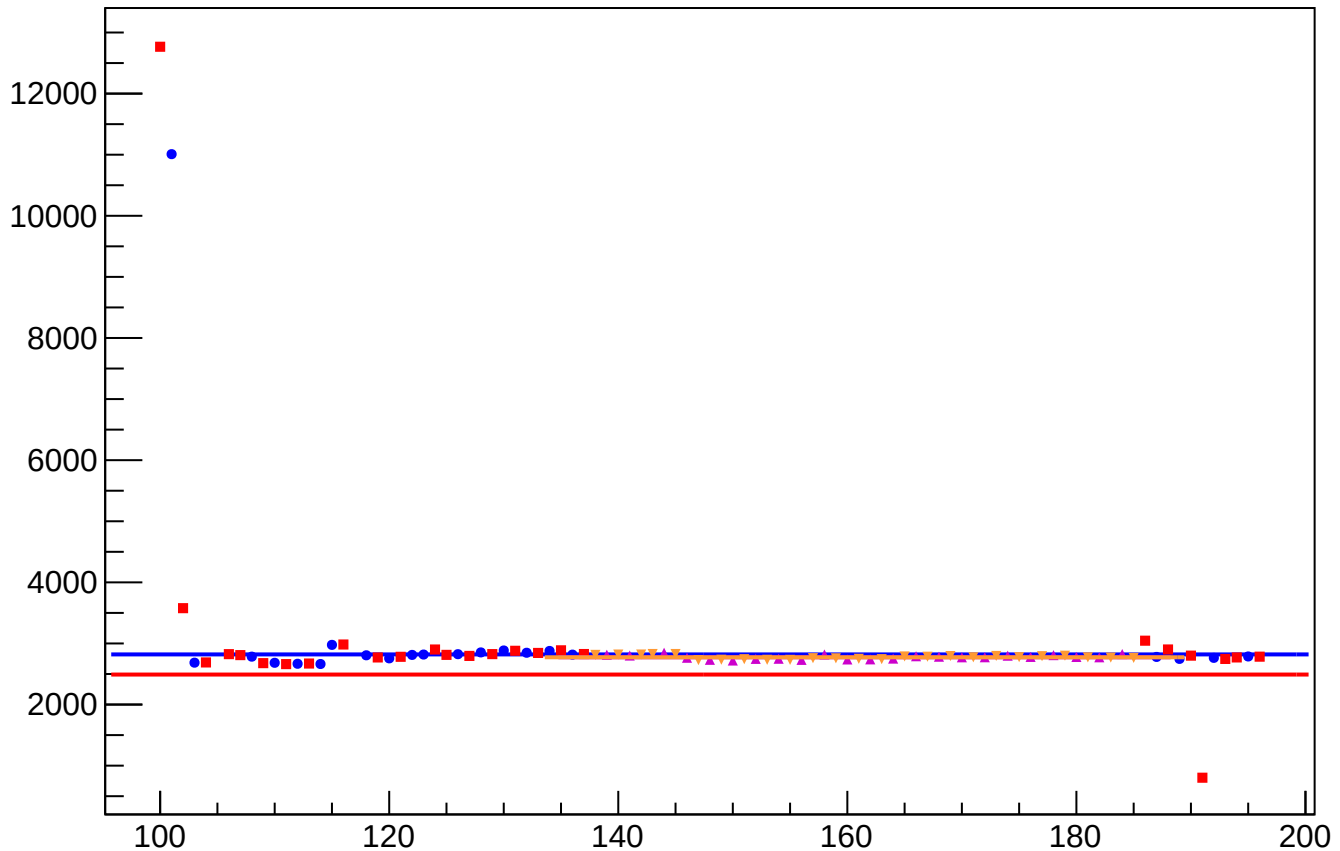
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF: 35.2/22

+ sign 2490.716 $\pm$ 536.030 χ^2 /NDF: 51.8/45

All: -44.634 $\pm$ 368.306 χ^2 /NDF: 151.4/94

- sign -2312.035 $\pm$ 506.914 χ^2 /NDF: 57.3/48

reg_asym_atr1_rms vs Slug



Right In: 2820.704 $\pm$ 0.679 χ^2 /NDF: 662412.1/20

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

Right Out: 2491.069 $\pm$ 0.554 χ^2 /NDF: 1933721.7/25

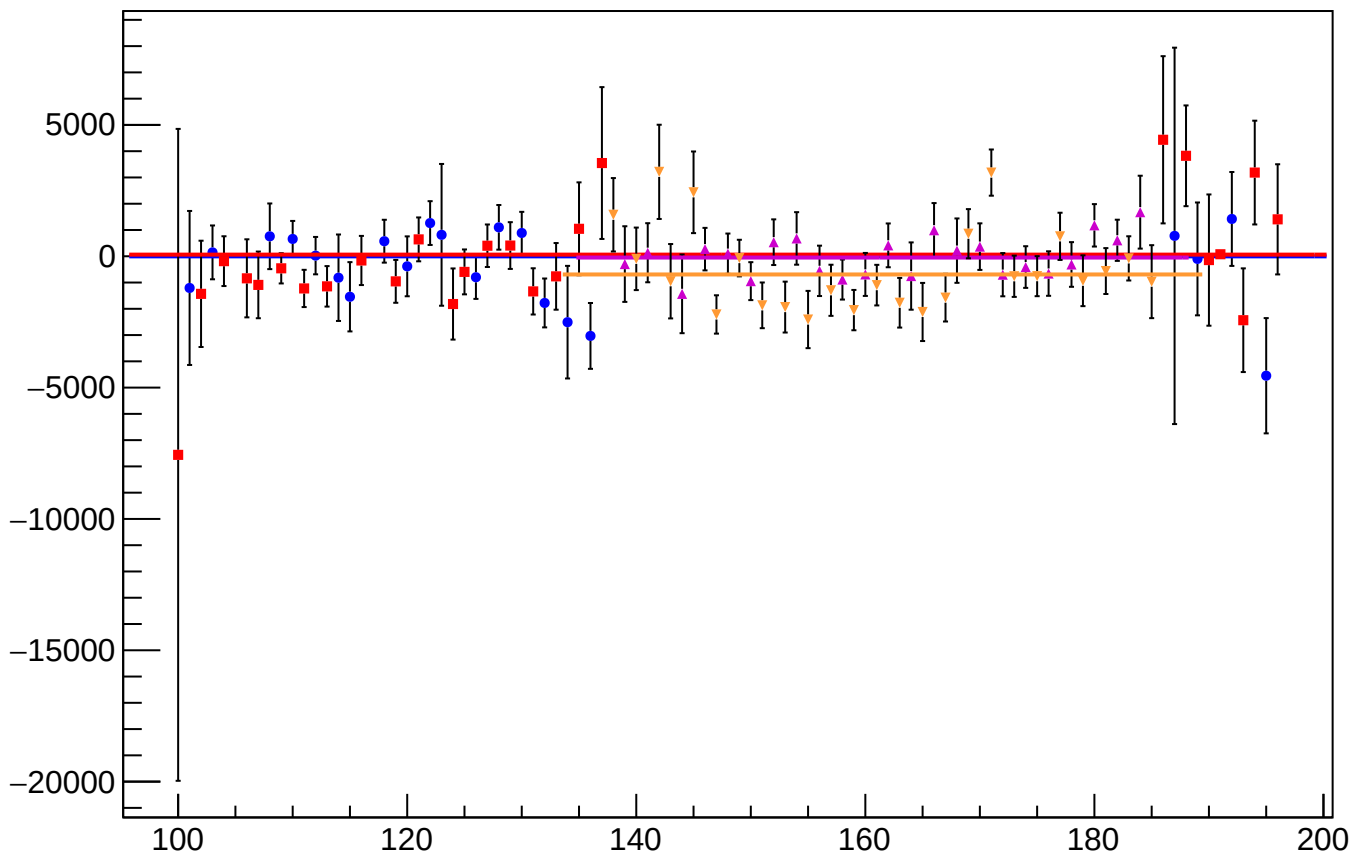
Left In: 2774.036 $\pm$ 0.470 χ^2 /NDF: 4985.3/22

+ sign 2788.362 $\pm$ 0.379 χ^2 /NDF: 670326.4/45

All: 2718.333 $\pm$ 0.260 χ^2 /NDF: 2825328.3/94

- sign 2655.704 $\pm$ 0.358 χ^2 /NDF: 2090337.4/48

asym_atr1_correction_mean vs Slug



Right In: -3.889 ± 237.235 χ^2/NDF : 25.7/20

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

Right Out: 62.520 ± 37.905 χ^2/NDF : 28.8/25

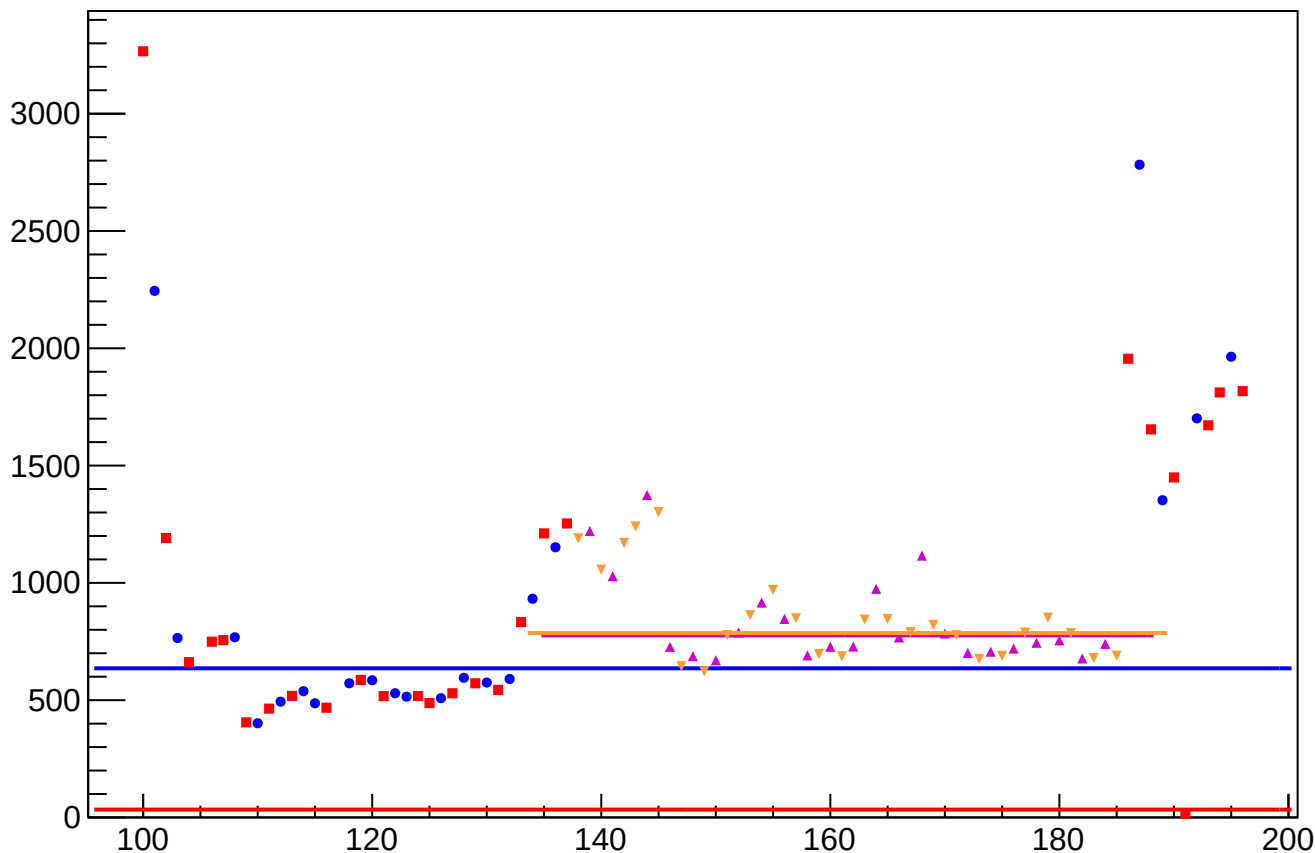
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -428.280 ± 147.004 χ^2/NDF : 86.9/45

All: 28.978 ± 36.033 χ^2/NDF : 140.0/94

- sign 58.207 ± 37.167 χ^2/NDF : 42.8/48

asym_atr1_correction_rms vs Slug



Right In: 635.797 $\pm$ 0.168 χ^2 /NDF: 3346461.7/20

Left Out: 786.173 $\pm$ 0.132 χ^2 /NDF: 1249536.1/24

Right Out: 33.538 $\pm$ 0.027 χ^2 /NDF: 19903525.7/25

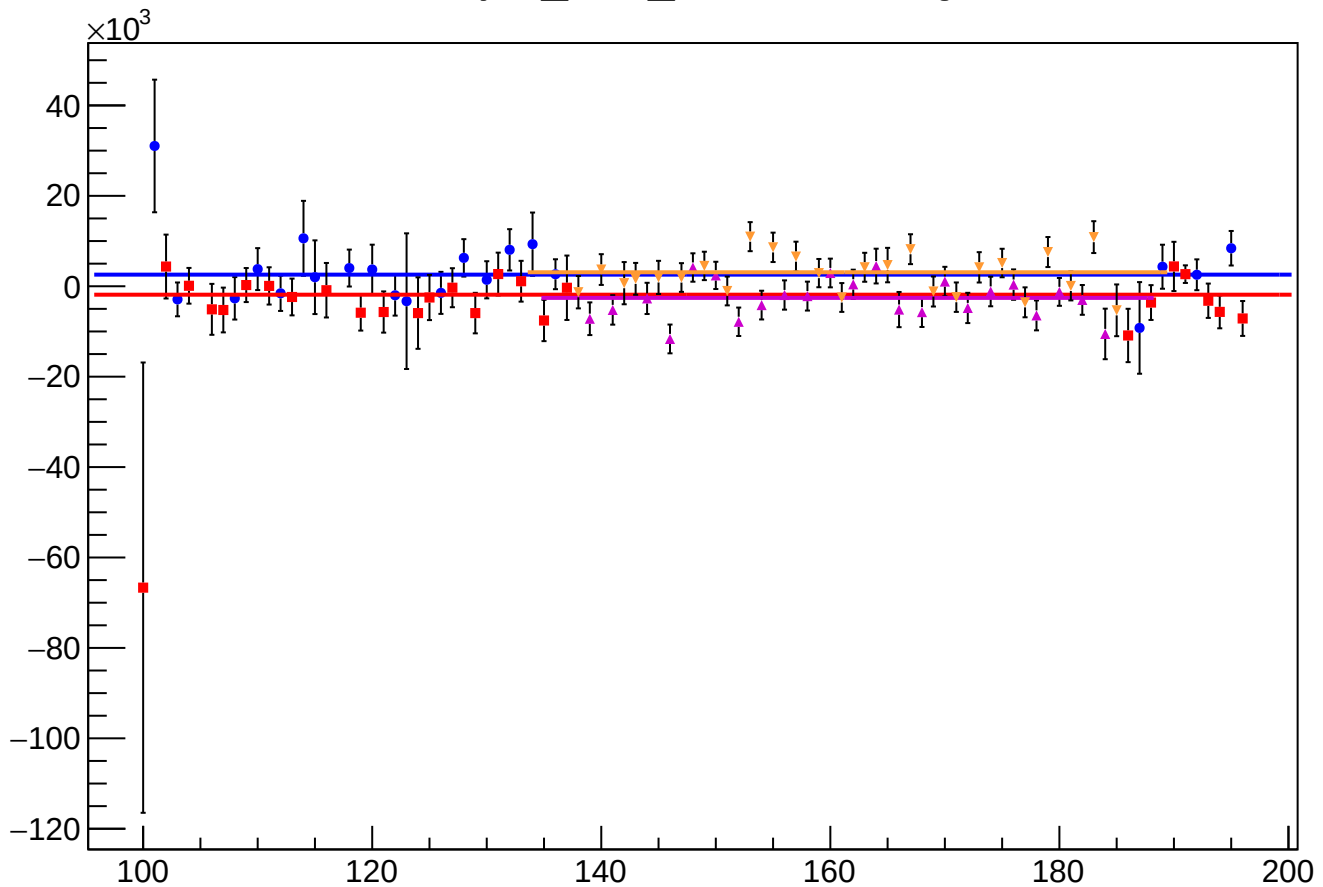
Left In: 775.930 $\pm$ 0.134 χ^2 /NDF: 1056766.5/22

+ sign 728.432 $\pm$ 0.104 χ^2 /NDF: 5091027.7/45

All: 102.217 $\pm$ 0.025 χ^2 /NDF: 94271635.9/94

- sign 62.189 $\pm$ 0.026 χ^2 /NDF: 50568295.0/48

asym_atr1_mean vs Slug



Right In: 2569.459+/-1031.202 χ^2/NDF : 18.5/20

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

Right Out: -1866.588+/-841.316 χ^2/NDF : 22.4/25

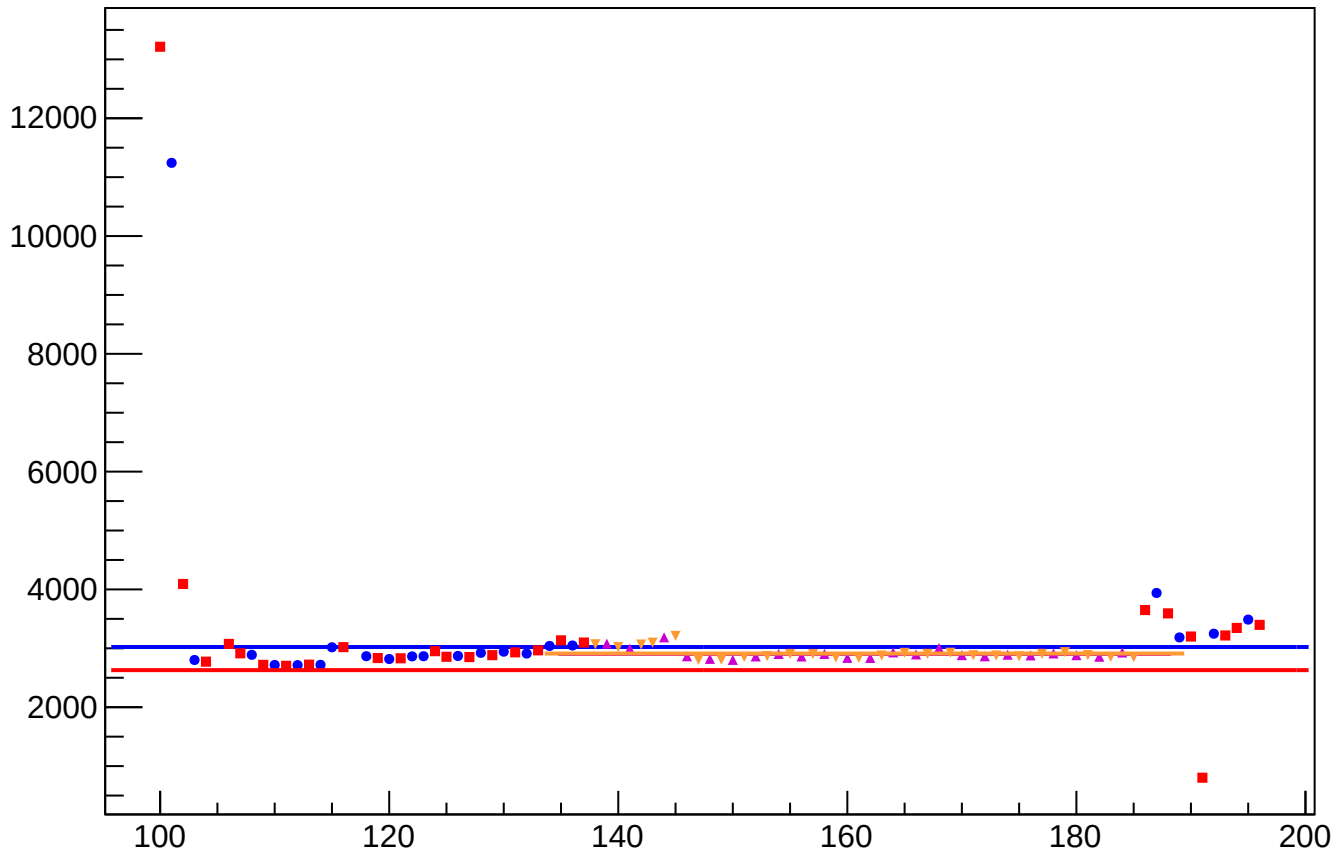
Left In: -2573.184+/-695.795 χ^2/NDF : 35.7/22

+ sign 2936.095+/-566.817 χ^2/NDF : 57.3/45

All: 180.023+/-389.518 χ^2/NDF : 160.6/94

- sign -2286.186+/-536.182 χ^2/NDF : 58.5/48

asym_atr1_rms vs Slug



Right In: 3022.016+/-0.729 χ^2 /NDF: 731456.8/20

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

Right Out: 2629.413+/-0.595 χ^2 /NDF: 2459809.1/25

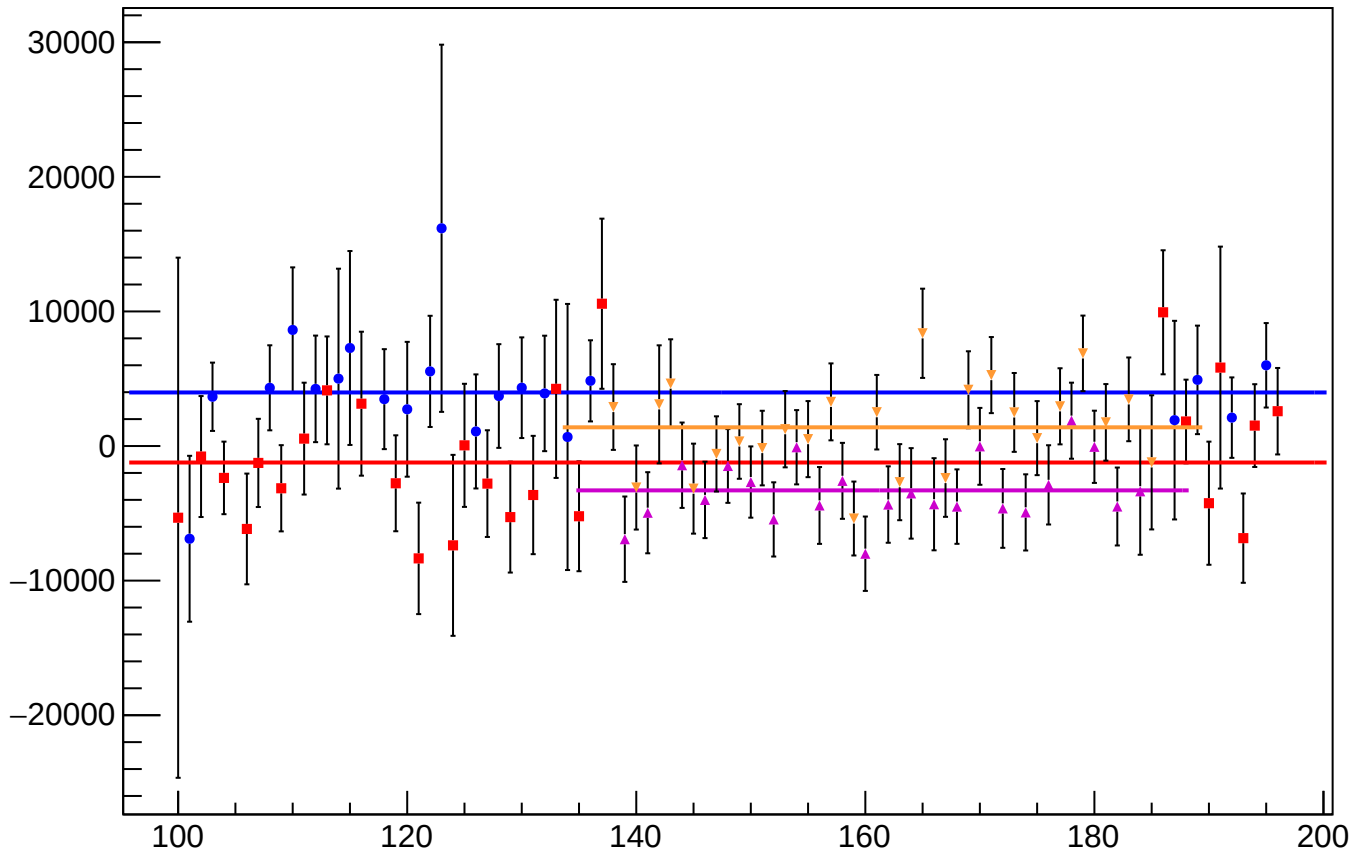
Left In: 2903.411+/-0.492 χ^2 /NDF:28838.5/22

+ sign 2944.699+/-0.401 χ^2 /NDF: 784211.9/45

All: 2864.176+/-0.275 χ^2 /NDF: 3475312.5/94

- sign 2792.121+/-0.379 χ^2 /NDF: 2614618.5/48

reg_asym_atr2_mean vs Slug



Right In: 3979.863 $\pm$ 889.072 χ^2 /NDF: 7.0/20

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

Right Out: -1224.771 $\pm$ 793.542 χ^2 /NDF: 28.2/25

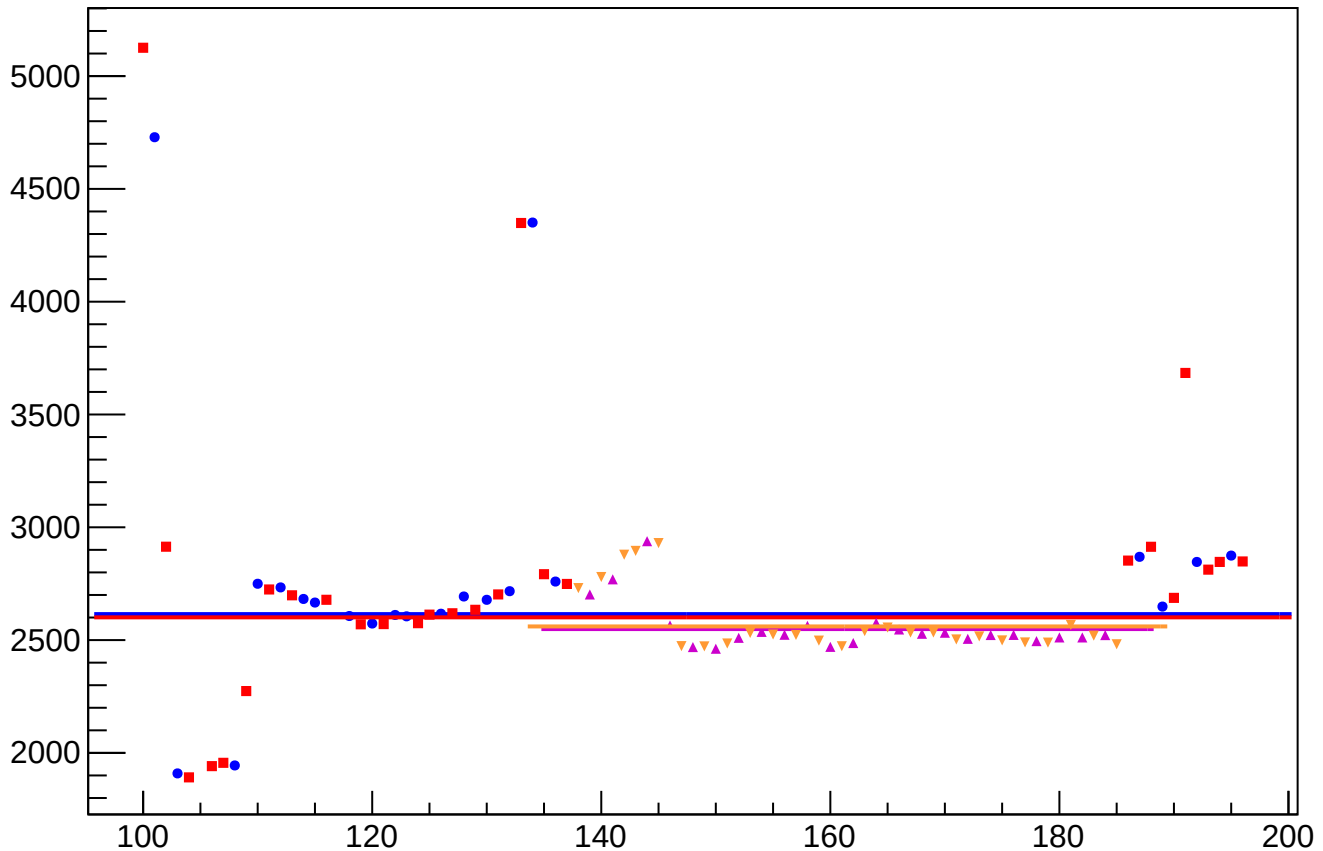
Left In: -3295.367 $\pm$ 609.991 χ^2 /NDF:14.9/22

+ sign 2194.143 $\pm$ 495.352 χ^2 /NDF: 42.0/45

All: -222.645 $\pm$ 346.044 χ^2 /NDF: 135.9/94

- sign -2526.303 $\pm$ 483.619 χ^2 /NDF: 47.4/48

reg_asym_atr2_rms vs Slug



Right In: 2615.171 $\pm$ 0.629 χ^2 /NDF: 581065.8/20

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

Right Out: 2600.798 $\pm$ 0.561 χ^2 /NDF: 570751.8/25

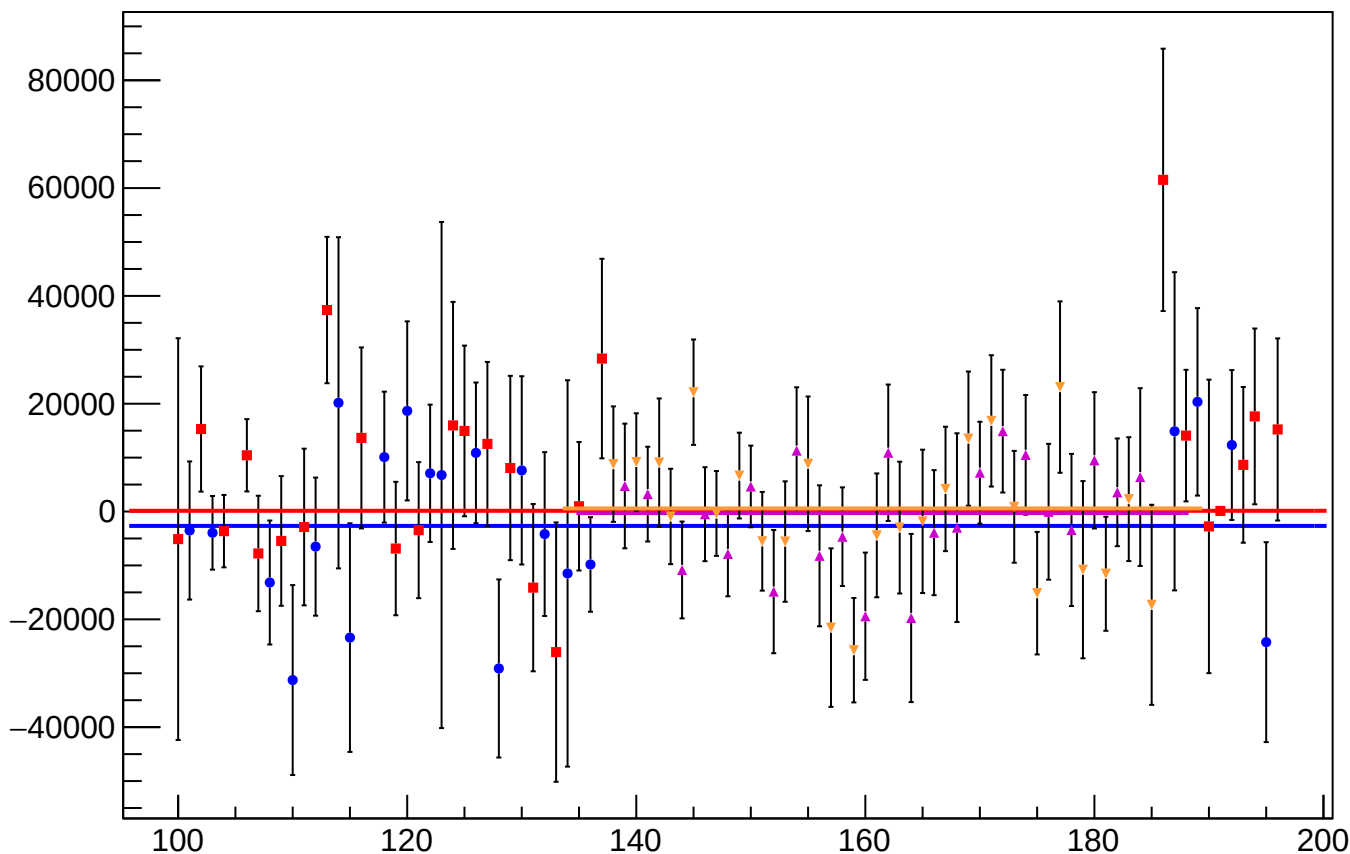
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2577.493 $\pm$ 0.350 χ^2 /NDF: 673046.2/45

All: 2572.713 $\pm$ 0.245 χ^2 /NDF: 1304811.4/94

- sign 2568.157 $\pm$ 0.342 χ^2 /NDF: 631401.4/48

asym_atr2_correction_mean vs Slug



Right In: -2668.028 $\pm$ 3040.946 χ^2 /NDF: 17.8/20

Left Out: 572.477 $\pm$ 2184.376 χ^2 /NDF: 28.2/24

Right Out: 138.235 $\pm$ 195.014 χ^2 /NDF: 30.4/25

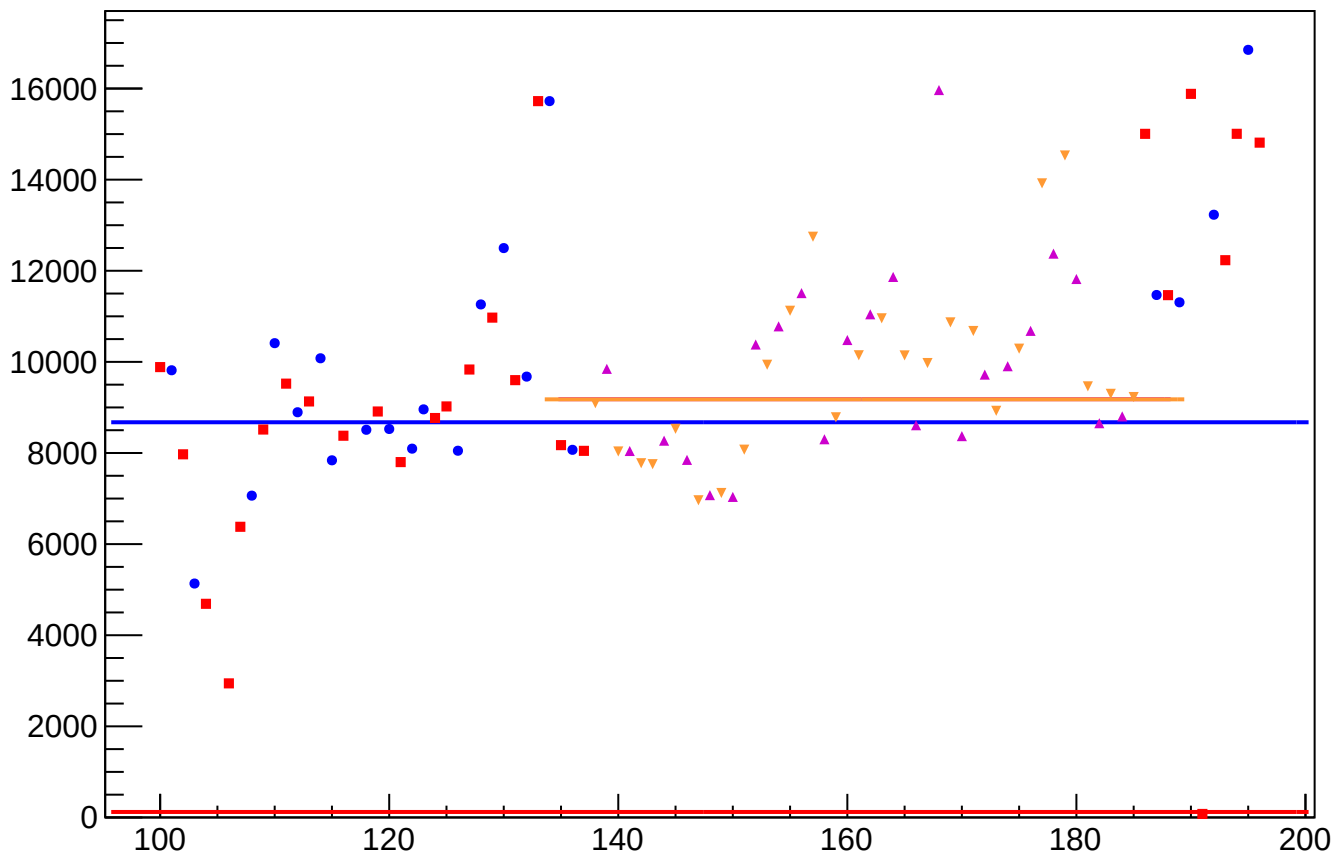
Left In: -275.116 $\pm$ 2242.836 χ^2 /NDF: 15.7/22

+ sign -530.471 $\pm$ 1774.107 χ^2 /NDF: 46.8/45

All: 127.246 $\pm$ 193.126 χ^2 /NDF: 93.1/94

- sign 135.133 $\pm$ 194.281 χ^2 /NDF: 46.1/48

asym_atr2_correction_rms vs Slug



Right In: 8674.614 $\pm$ 2.150 χ^2 /NDF: 1536017.5/20

Left Out: 9177.688 $\pm$ 1.545 χ^2 /NDF: 1176195.8/24

Right Out: 120.470 $\pm$ 0.138 χ^2 /NDF: 21177820.5/25

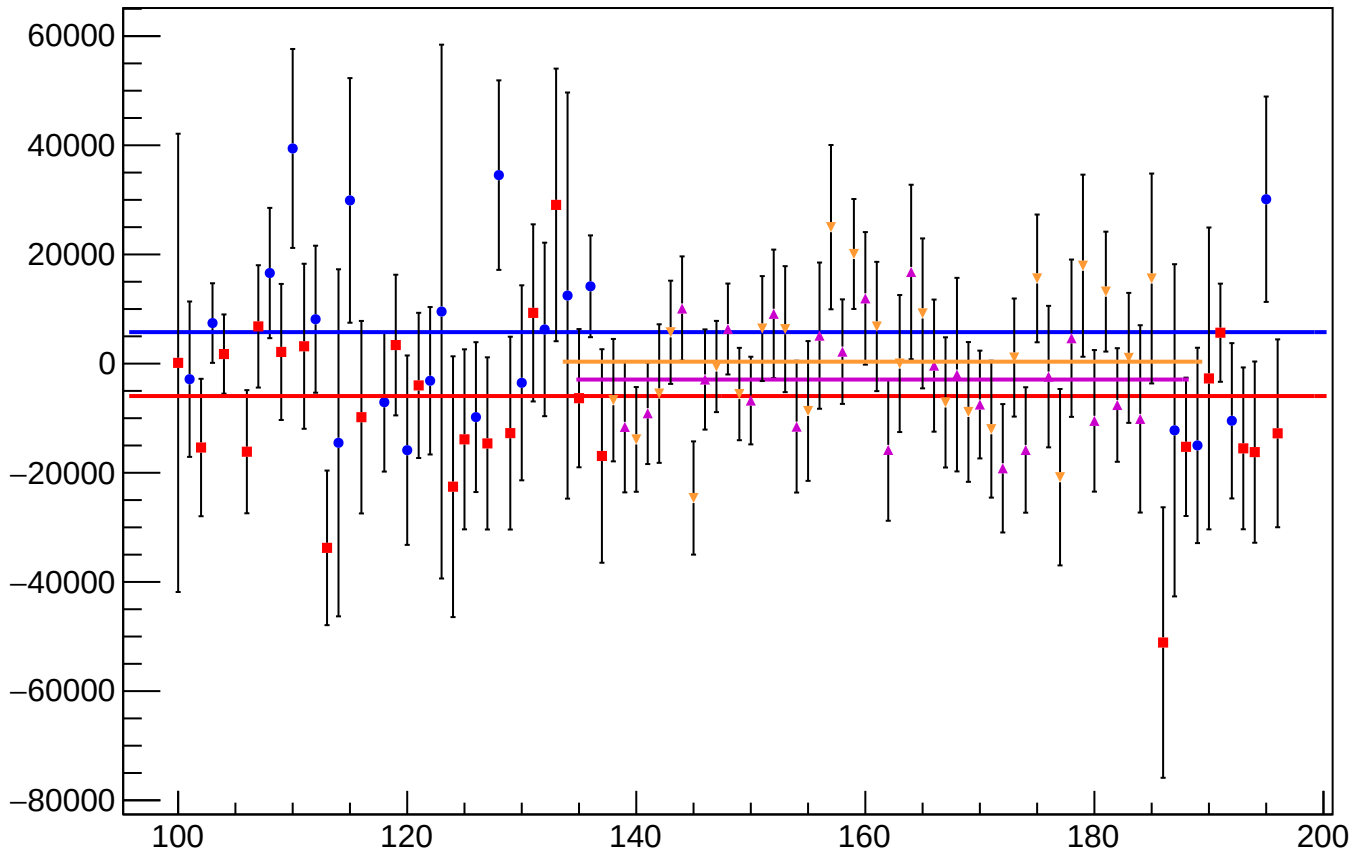
Left In: 9181.254 $\pm$ 1.586 χ^2 /NDF: 1236469.7/22

+ sign 9006.460 $\pm$ 1.254 χ^2 /NDF: 2748319.4/45

All: 292.952 $\pm$ 0.137 χ^2 /NDF: 106382922.6/9

- sign 188.458 $\pm$ 0.137 χ^2 /NDF: 54810590.7/48

asym_atr2_mean vs Slug



Right In: 5768.994 $\pm$ 3201.244 χ^2 /NDF: 19.1/20

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

Right Out: -5941.648 $\pm$ 2748.310 χ^2 /NDF: 19.9/25

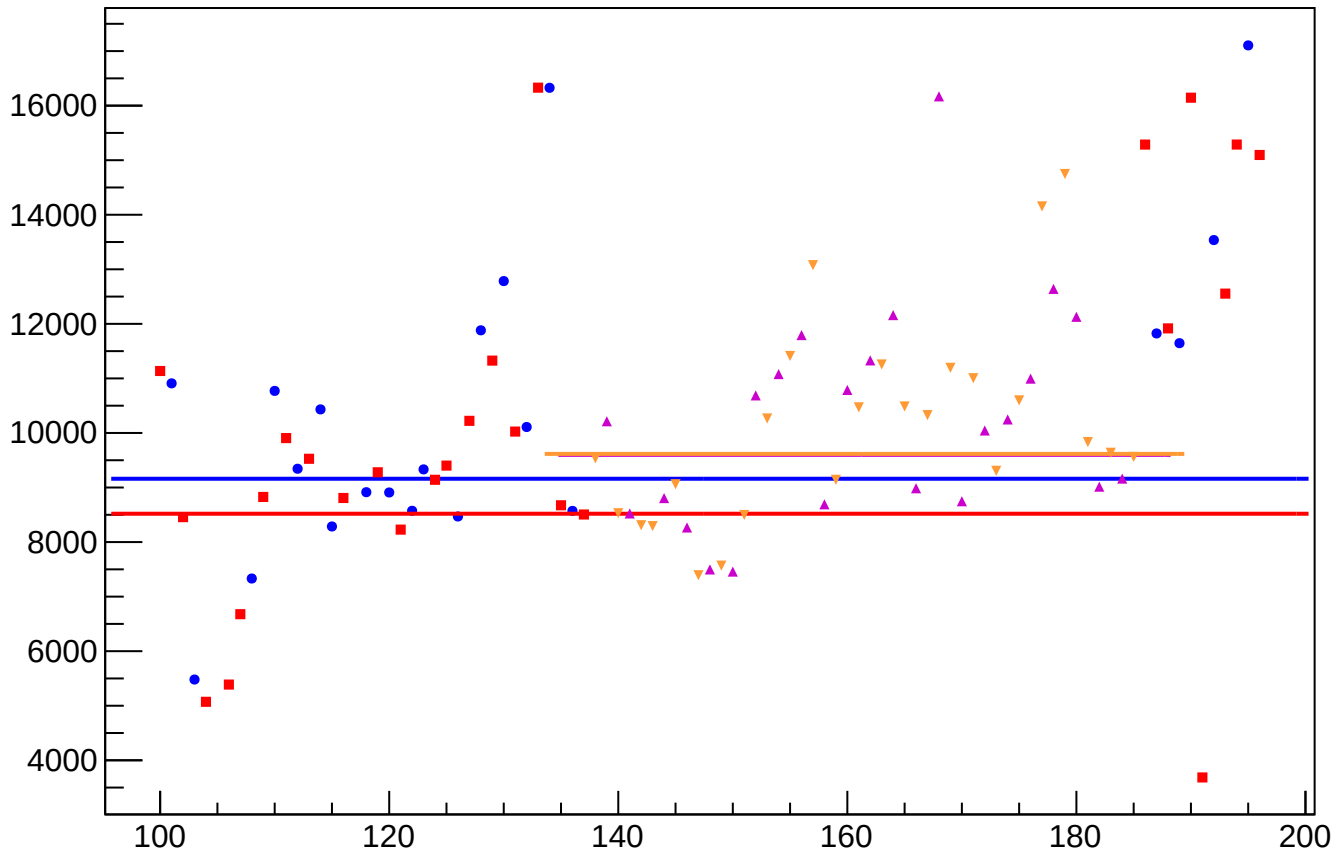
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 2179.313 $\pm$ 1858.031 χ^2 /NDF: 47.2/45

All: -1139.060 $\pm$ 1285.727 χ^2 /NDF: 88.8/94

- sign -4187.982 $\pm$ 1780.998 χ^2 /NDF: 35.5/48

asym_atr2_rms vs Slug



Right In: 9160.727 $\pm$ 2.264 χ^2 /NDF: 1439373.4/20

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

Right Out: 8519.420 $\pm$ 1.943 χ^2 /NDF: 2794411.9/25

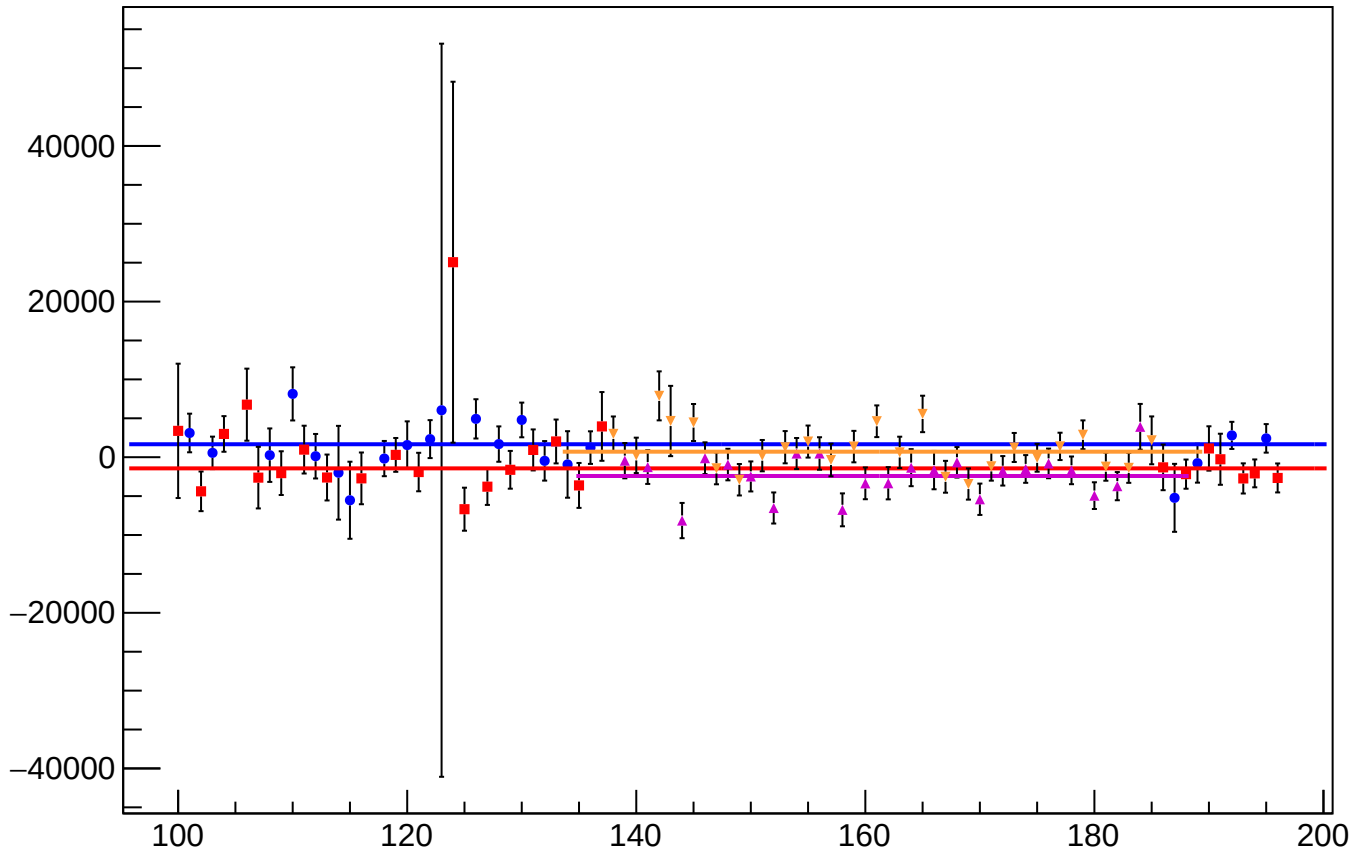
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF:1082171.6/22

+ sign 9462.793 $\pm$ 1.314 χ^2 /NDF: 2477892.5/45

All: 9297.348 $\pm$ 0.909 χ^2 /NDF: 6563763.8/94

- sign 9145.341 $\pm$ 1.259 χ^2 /NDF: 4055444.6/48

reg_asym_atl_avg_mean vs Slug



Right In: 1665.106 ± 572.394 χ^2/NDF : 16.7/20

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

Right Out: -1435.913 ± 520.572 χ^2/NDF : 22.6/25

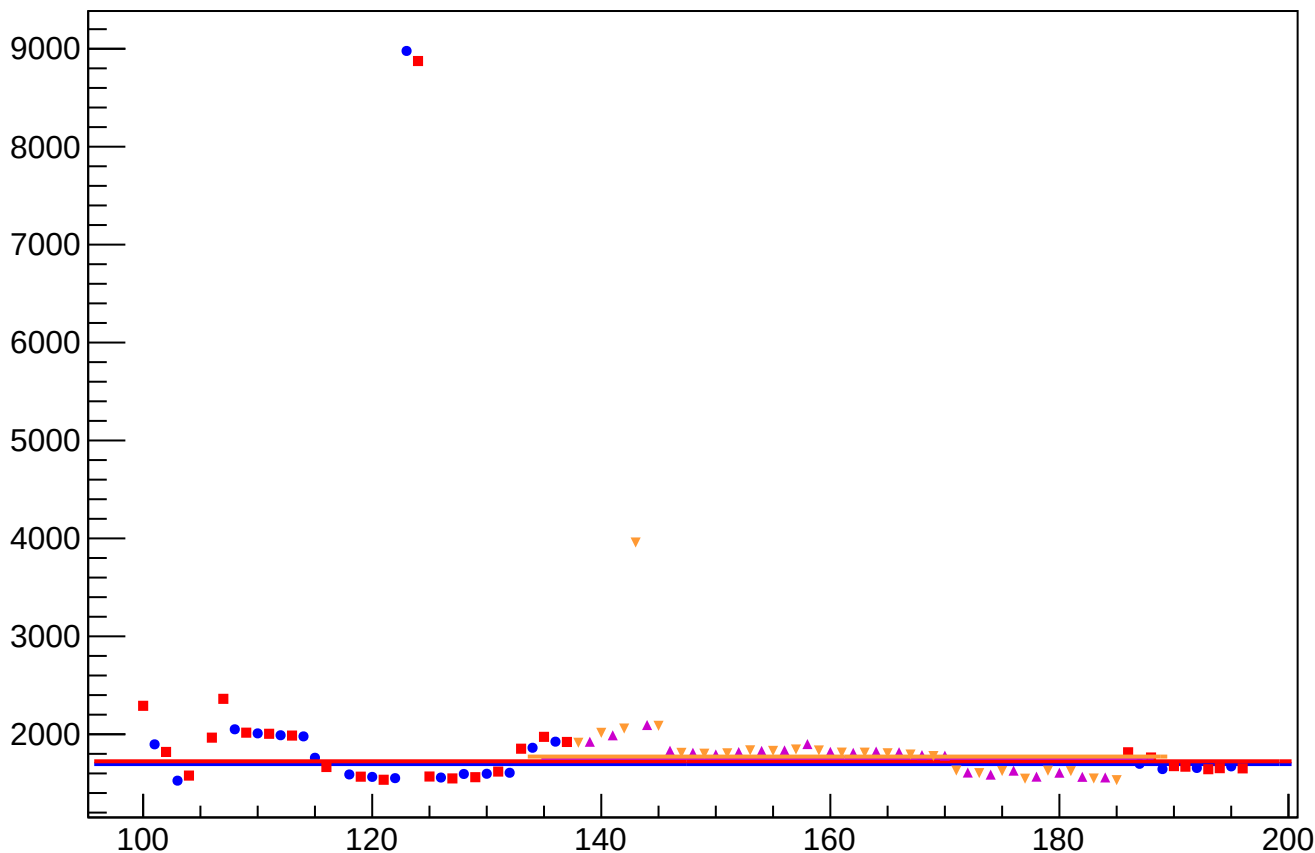
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 1041.366 ± 337.242 χ^2/NDF : 53.3/45

All: -532.026 ± 235.317 χ^2/NDF : 154.5/94

- sign -2024.956 ± 328.506 χ^2/NDF : 58.8/48

reg_asym_atl_avg_rms vs Slug



Right In: 1695.524+/-0.405 χ^2/NDF : 198691.5/20

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

Right Out: 1723.958+/-0.367 χ^2/NDF : 412480.0/25

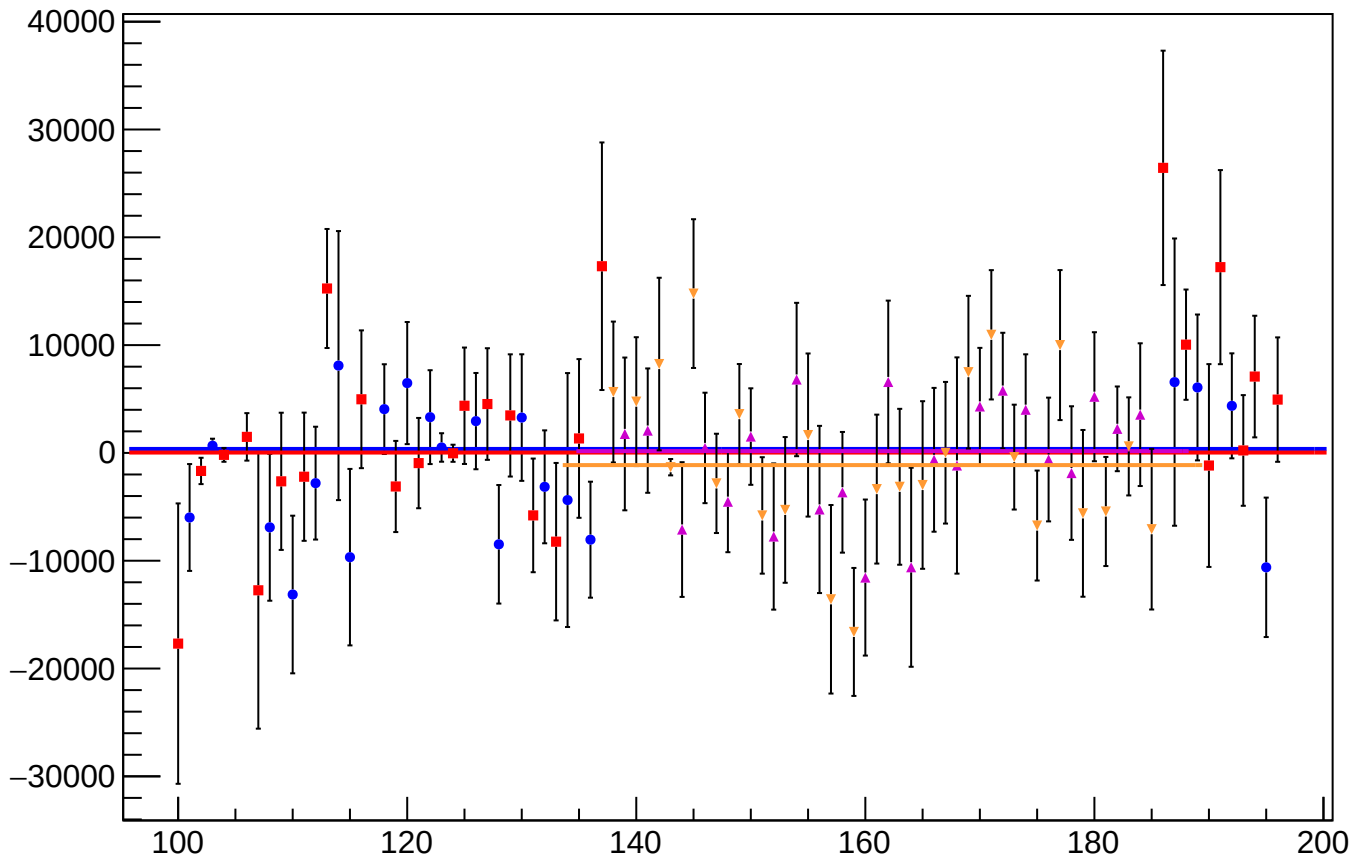
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1745.482+/-0.238 χ^2/NDF : 924500.6/45

All: 1745.420+/-0.166 χ^2/NDF : 1557532.1/94

- sign 1745.360+/-0.232 χ^2/NDF : 633031.4/48

asym_atl_avg_correction_mean vs Slug



Right In: 369.749 ± 533.419 χ^2/NDF : 21.8/20

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

Right Out: 33.940 ± 426.912 χ^2/NDF : 36.7/25

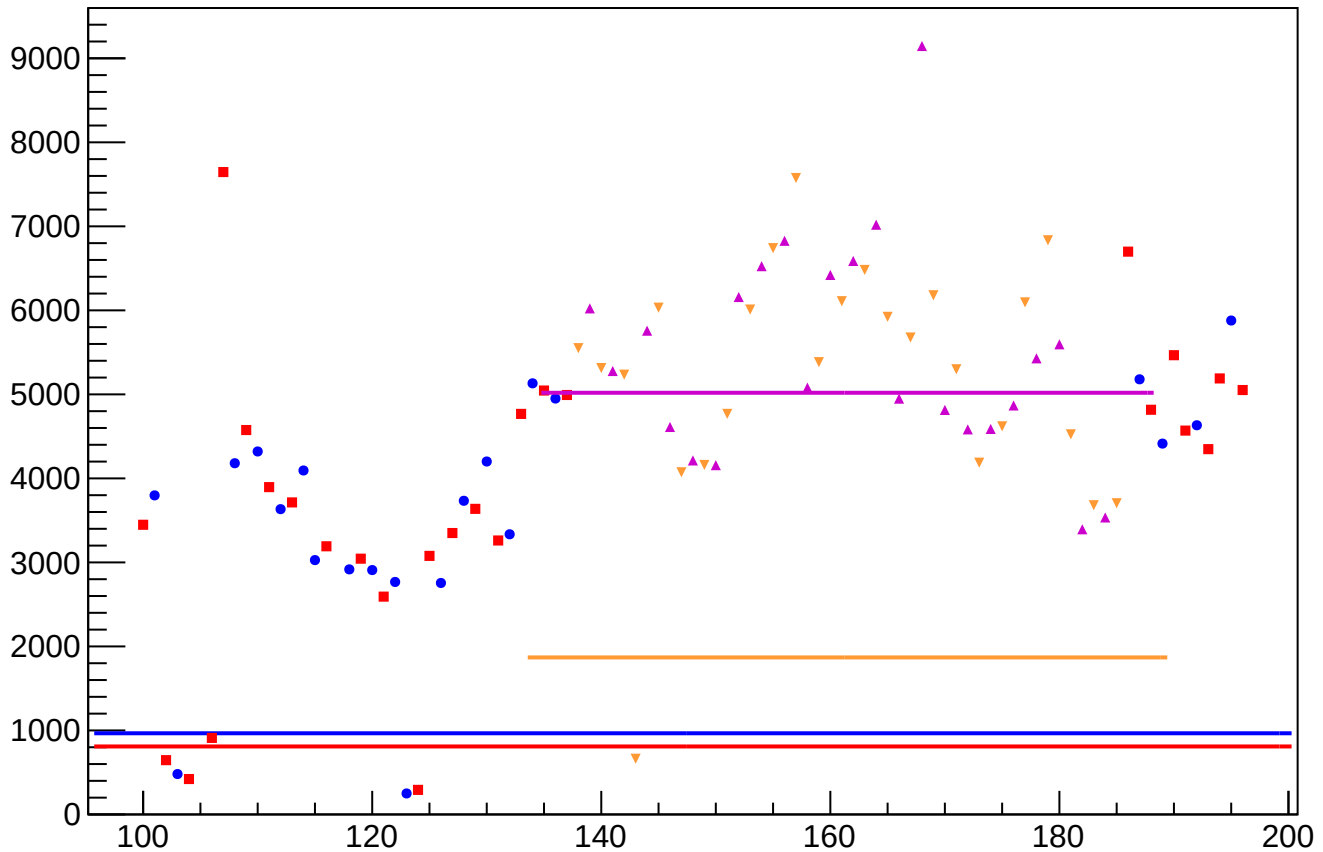
Left In: 168.182 ± 1232.411 χ^2/NDF : 14.2/22

+ sign -236.394 ± 411.731 χ^2/NDF : 56.5/45

All: -91.125 ± 288.145 χ^2/NDF : 107.6/94

- sign 48.322 ± 403.394 χ^2/NDF : 50.9/48

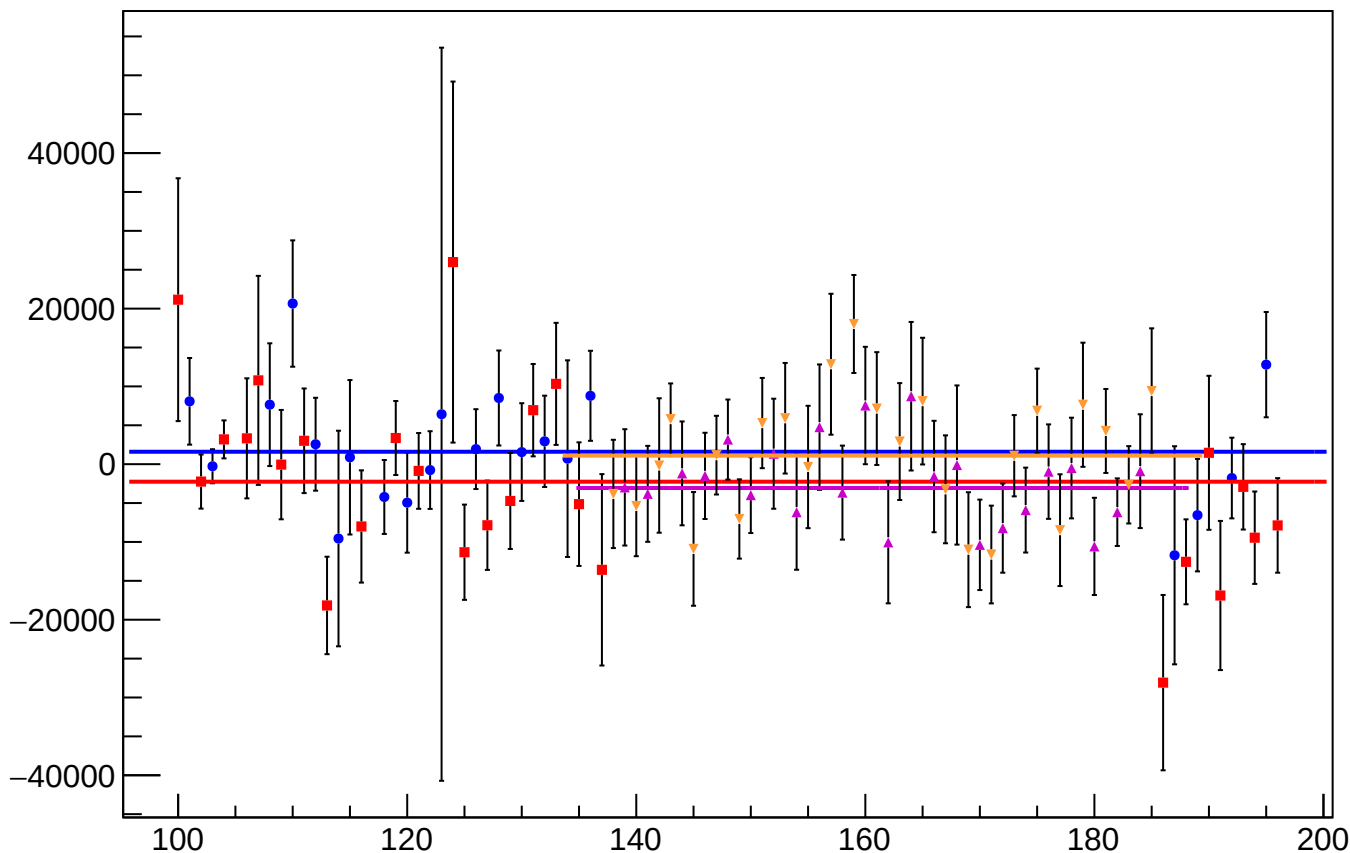
asym_atl_avg_correction_rms vs Slug



Right In: 966.281 ± 0.377 $\chi^2/\text{NDF}: 11214178.5/20$
 Left Out: 1868.983 ± 0.458 $\chi^2/\text{NDF}: 19852416.6/24$
 Right Out: 809.298 ± 0.302 $\chi^2/\text{NDF}: 14434469.0/25$
 Left In: 5019.114 ± 0.871 $\chi^2/\text{NDF}: 1569031.9/22$

+ sign 1331.167 ± 0.291 $\chi^2/\text{NDF}: 33381827.9/45$
 All: 1295.027 ± 0.204 $\chi^2/\text{NDF}: 70252216.3/50$
 - sign 1260.334 ± 0.285 $\chi^2/\text{NDF}: 36840186.5/48$

asym_atl_avg_mean vs Slug



Right In: 1597.511 $\pm$ 1228.105 χ^2 /NDF: 19.8/20

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

Right Out: -2252.675 $\pm$ 1152.047 χ^2 /NDF: 42.3/25

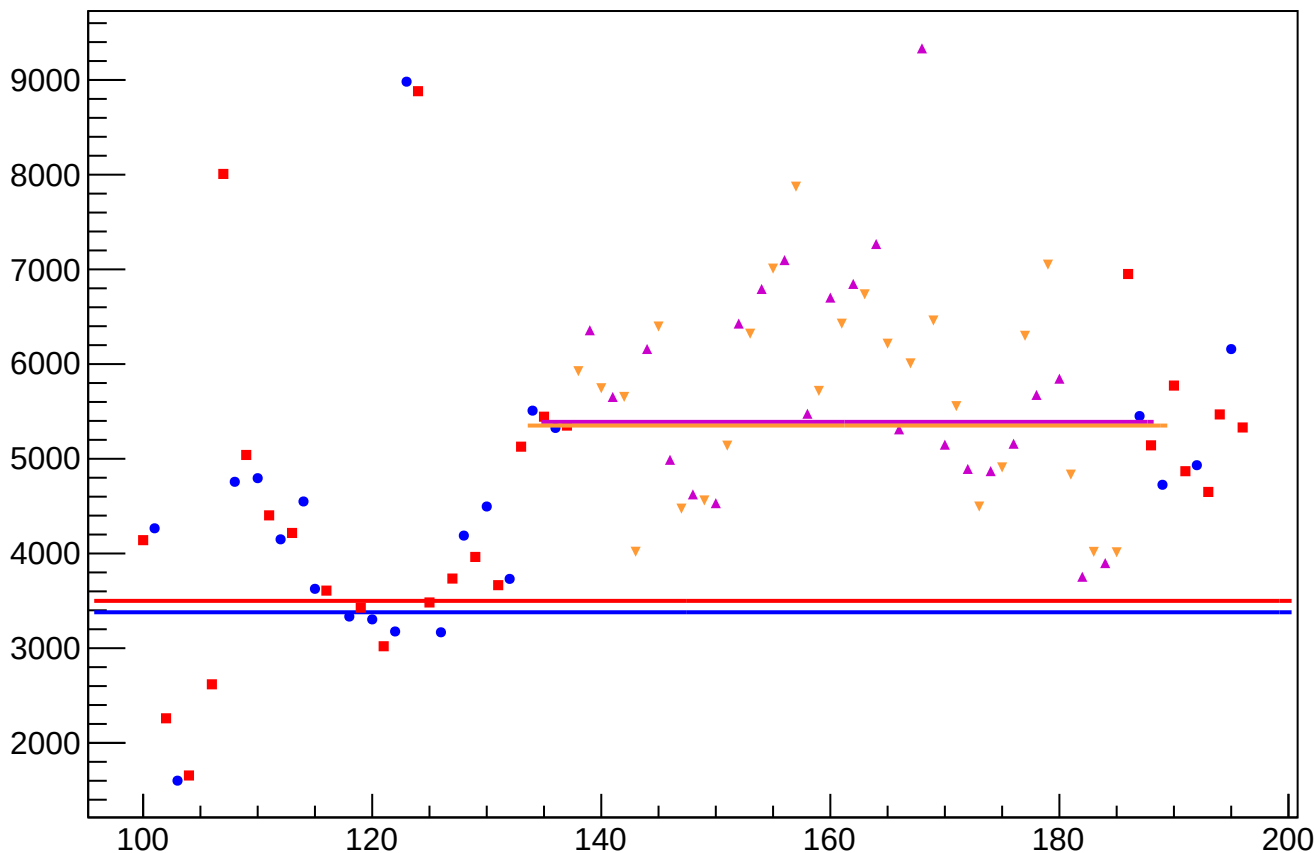
Left In: -3064.775 $\pm$ 1318.173 χ^2 /NDF: 12.6/22

+ sign 1354.965 $\pm$ 883.884 χ^2 /NDF: 51.9/45

All: -661.857 $\pm$ 619.107 χ^2 /NDF: 117.2/94

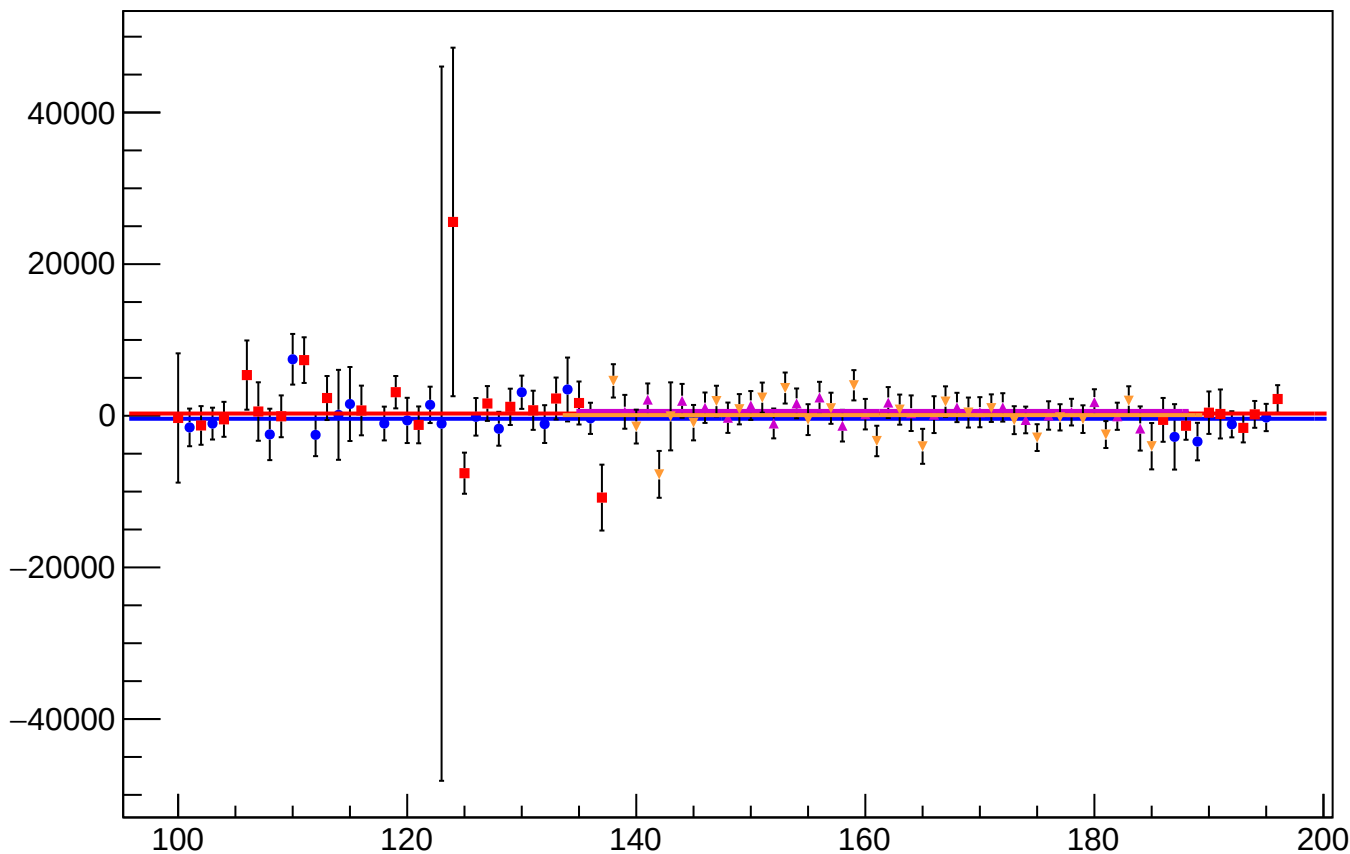
- sign -2604.356 $\pm$ 867.445 χ^2 /NDF: 55.1/48

asym_atl_avg_rms vs Slug



Right In: 3379.317+/-0.868	χ^2/NDF : 2594408.7/20	+ sign 4329.592+/-0.625	χ^2/NDF : 6320218.7/45
Left Out: 5350.804+/-0.900	χ^2/NDF : 1241497.9/24	All: 4318.153+/-0.436	χ^2/NDF : 13220562.1/9
Right Out: 3499.658+/-0.805	χ^2/NDF : 3234958.1/25	- sign 4307.281+/-0.609	χ^2/NDF : 6899690.1/48
Left In: 5389.724+/-0.932	χ^2/NDF : 1309863.0/22		

reg_asym_atl_dd_mean vs Slug



Right In: -395.570 ± 564.371 χ^2/NDF : 13.4/20

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

Right Out: 294.100 ± 512.988 χ^2/NDF : 30.2/25

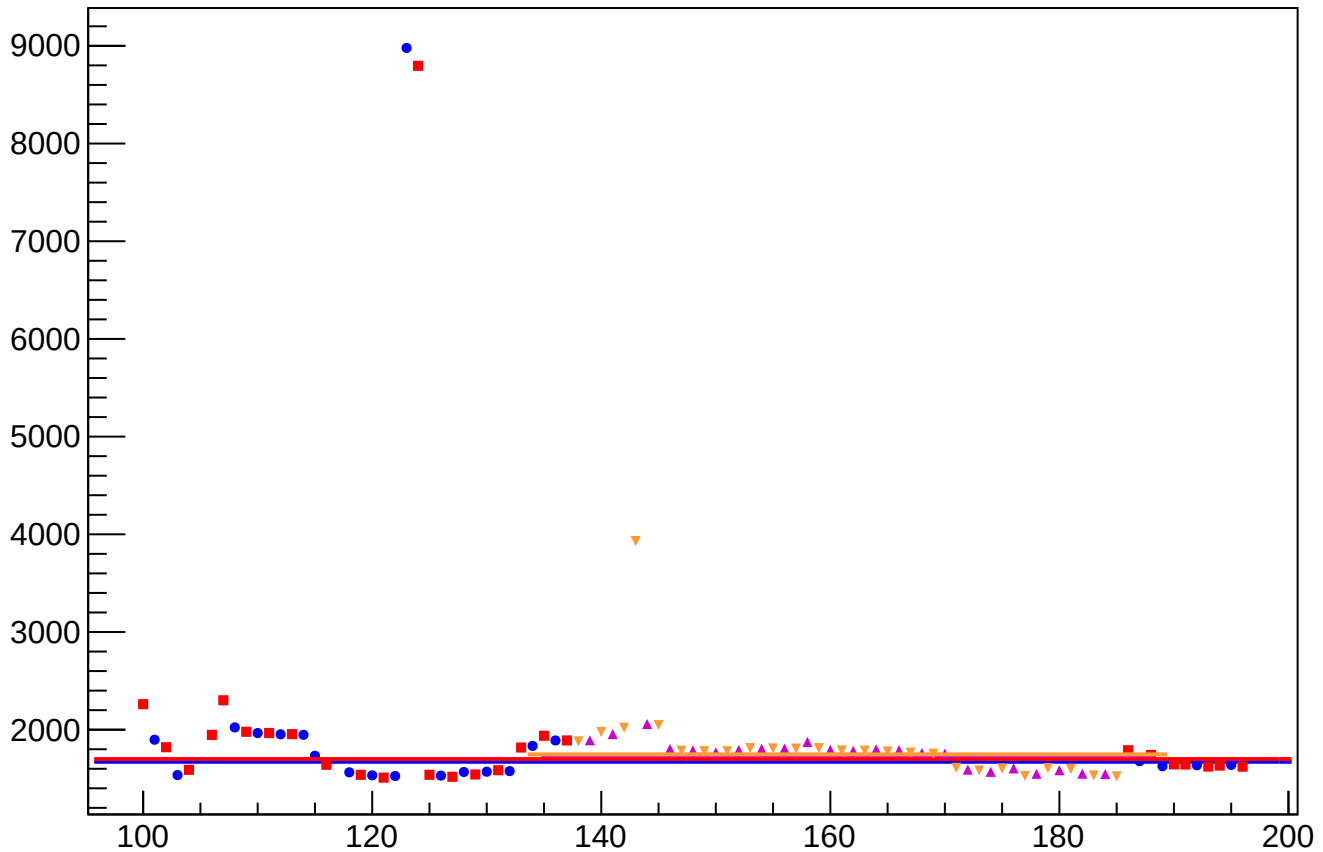
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -81.030 ± 332.517 χ^2/NDF : 49.9/45

All: 218.289 ± 232.011 χ^2/NDF : 88.1/94

- sign 502.260 ± 323.880 χ^2/NDF : 36.6/48

reg_asym_atl_dd_rms vs Slug



Right In: 1671.818+/-0.399 χ^2/NDF : 196972.4/20

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

Right Out: 1699.187+/-0.362 χ^2/NDF : 409034.5/25

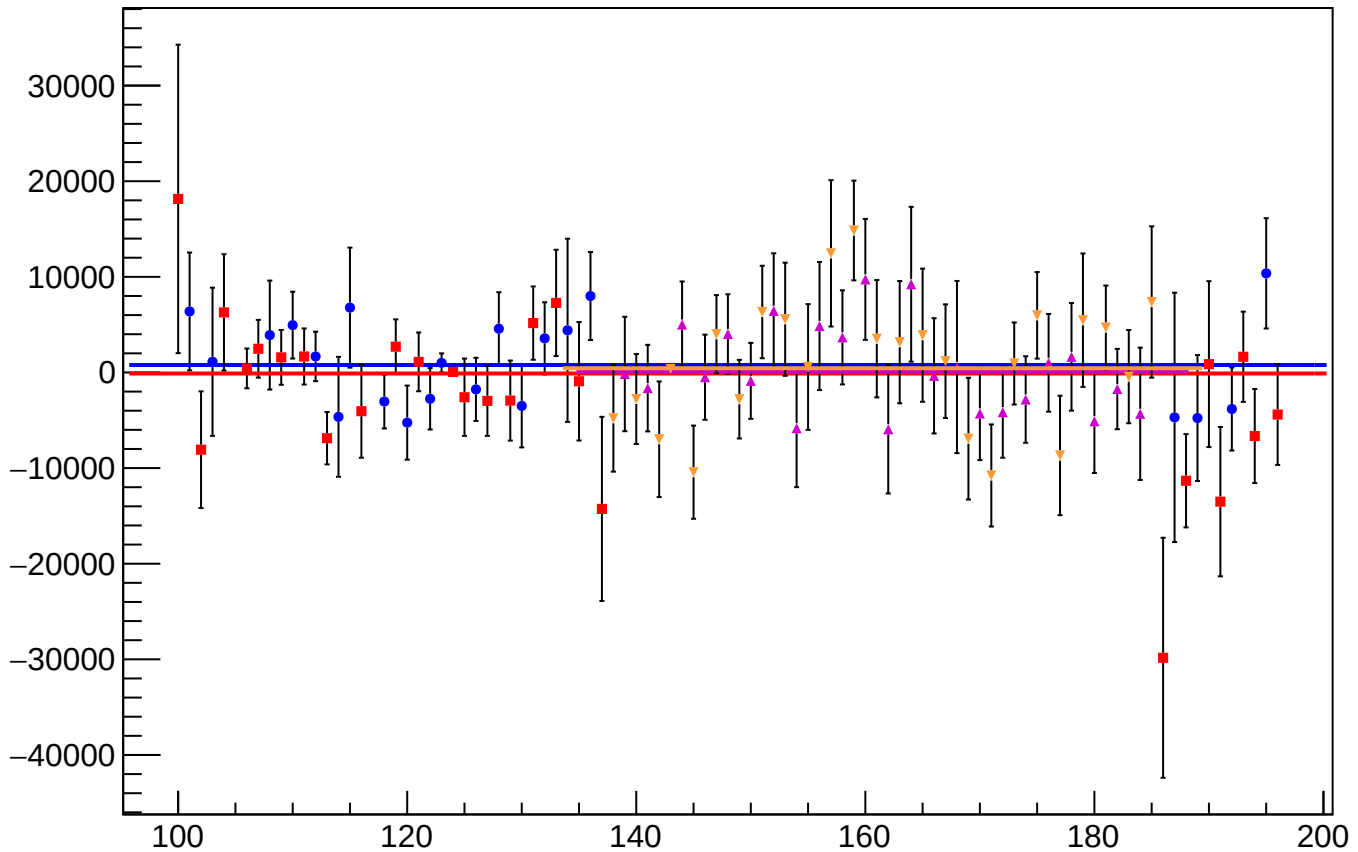
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1721.111+/-0.235 χ^2/NDF : 918533.9/45

All: 1721.056+/-0.164 χ^2/NDF : 1540394.6/94

- sign 1721.004+/-0.229 χ^2/NDF : 621860.6/48

asym_atl_dd_correction_mean vs Slug



Right In: 780.453 ± 687.857 χ^2/NDF : 20.3/20

Left Out: 442.187 ± 440.335 χ^2/NDF : 33.9/24

Right Out: -107.272 ± 352.825 χ^2/NDF : 37.4/25

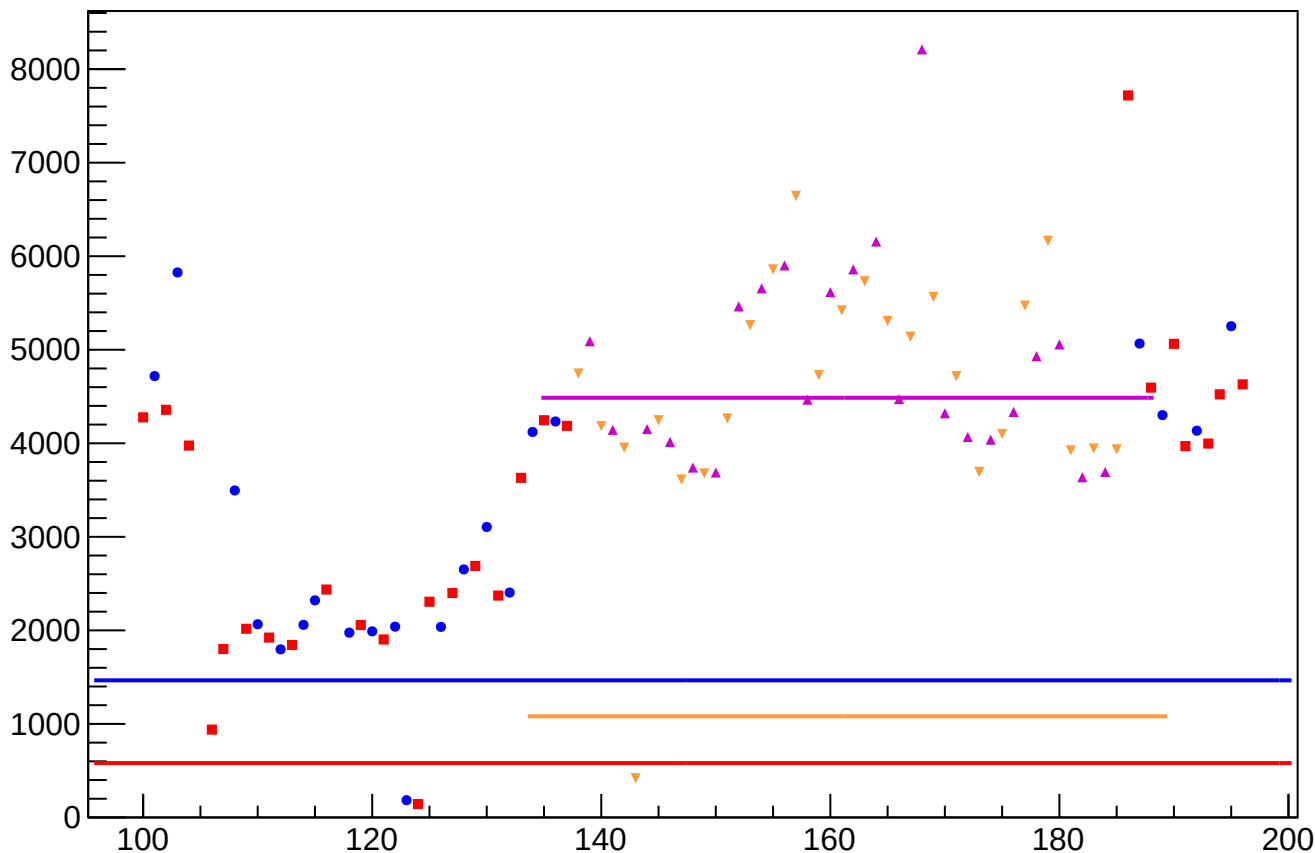
Left In: 88.508 ± 1094.838 χ^2/NDF : 13.4/22

+ sign 540.514 ± 370.855 χ^2/NDF : 54.4/45

All: 194.703 ± 248.927 χ^2/NDF : 106.8/94

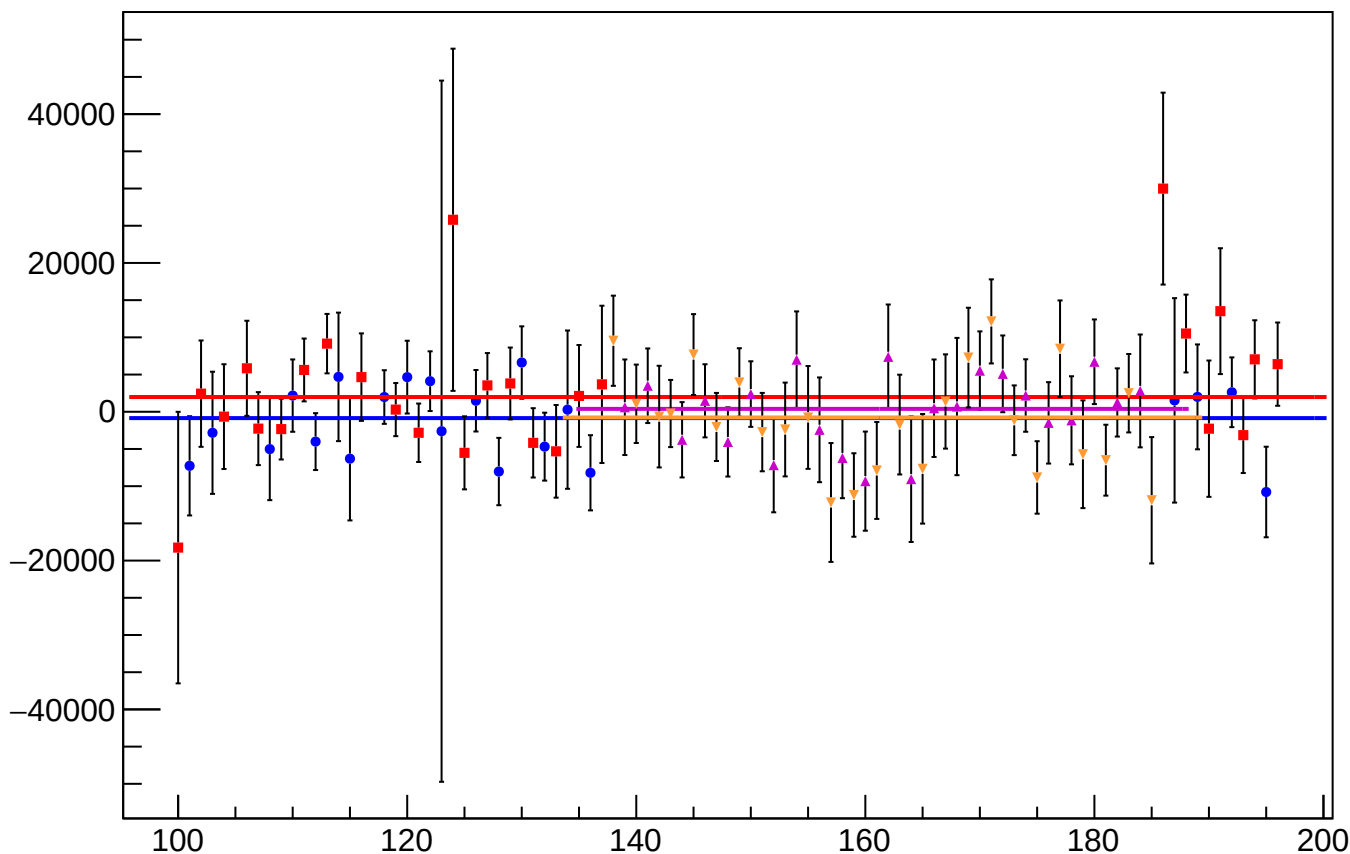
- sign -88.852 ± 335.818 χ^2/NDF : 50.8/48

asym_atl_dd_correction_rms vs Slug



Right In: 1465.817+/-0.486	χ^2/NDF : 8765981.4/20	+ sign 1192.860+/-0.262	χ^2/NDF : 33666218.6/45
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1058.760+/-0.176	χ^2/NDF : 75074539.4/9
Right Out: 581.393+/-0.249	χ^2/NDF : 16699232.9/25	- sign 948.802+/-0.237	χ^2/NDF : 40932388.6/48
Left In: 4486.570+/-0.774	χ^2/NDF : 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -851.144 ± 1176.607 χ^2/NDF : 18.1/20

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

Right Out: 1981.696 ± 1068.145 χ^2/NDF : 28.4/25

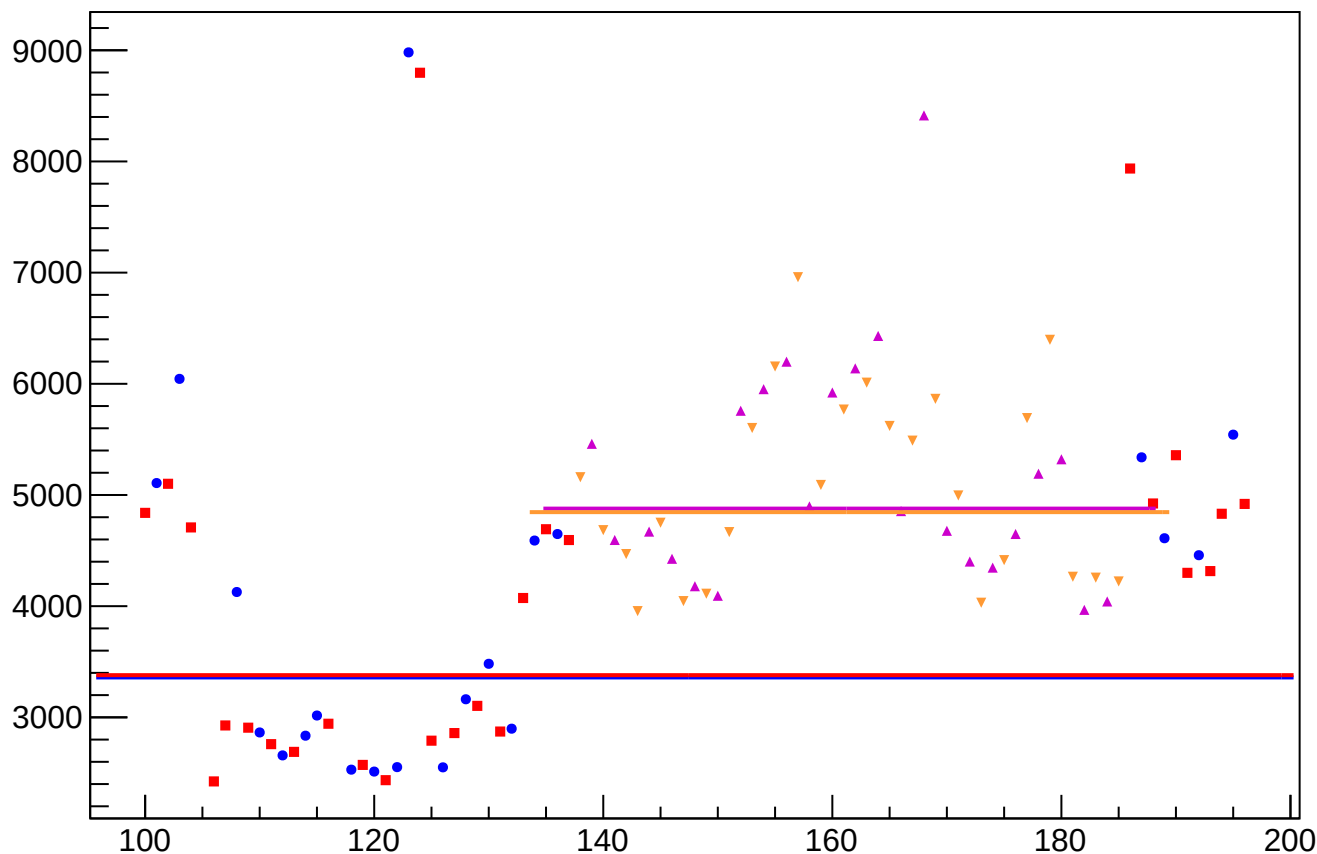
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -807.505 ± 821.456 χ^2/NDF : 48.1/45

All: 266.082 ± 570.823 χ^2/NDF : 94.9/94

- sign 1268.567 ± 793.788 χ^2/NDF : 43.5/48

asym_atl_dd_rms vs Slug



Right In: 3358.880+/-0.832 χ^2/NDF : 1482176.6/20

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

Right Out: 3379.468+/-0.748 χ^2/NDF : 1889981.1/25

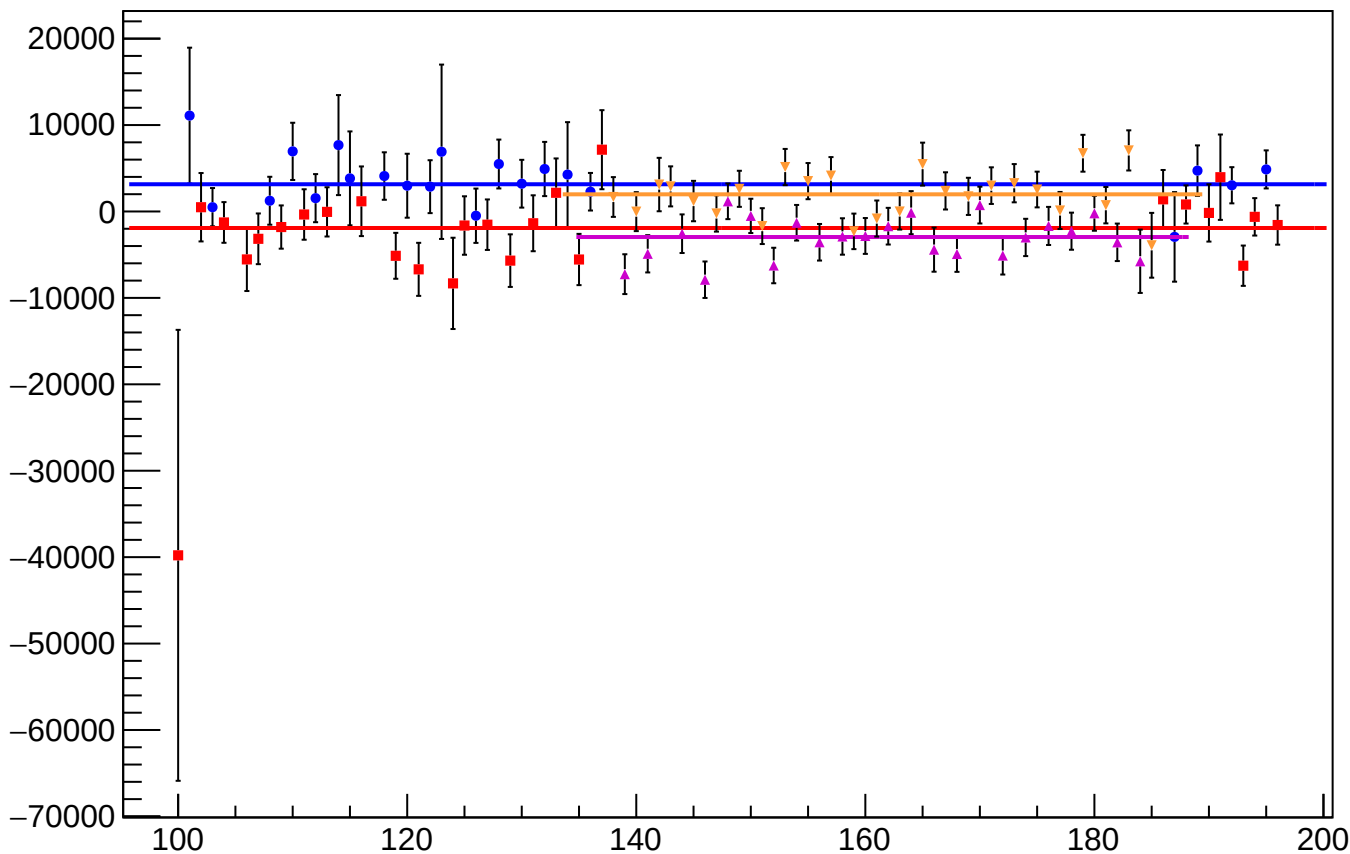
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4121.029+/-0.581 χ^2/NDF : 4028511.5/45

All: 4080.300+/-0.402 χ^2/NDF : 8663675.8/94

- sign 4042.692+/-0.558 χ^2/NDF : 4625707.8/48

reg_asym_atr_avg_mean vs Slug



Right In: 3150.235 $\pm$ 667.802 χ^2 /NDF: 10.3/20

Left Out: 1985.469 $\pm$ 443.190 χ^2 /NDF: 32.4/24

Right Out: -1911.576 $\pm$ 594.460 χ^2 /NDF: 26.5/25

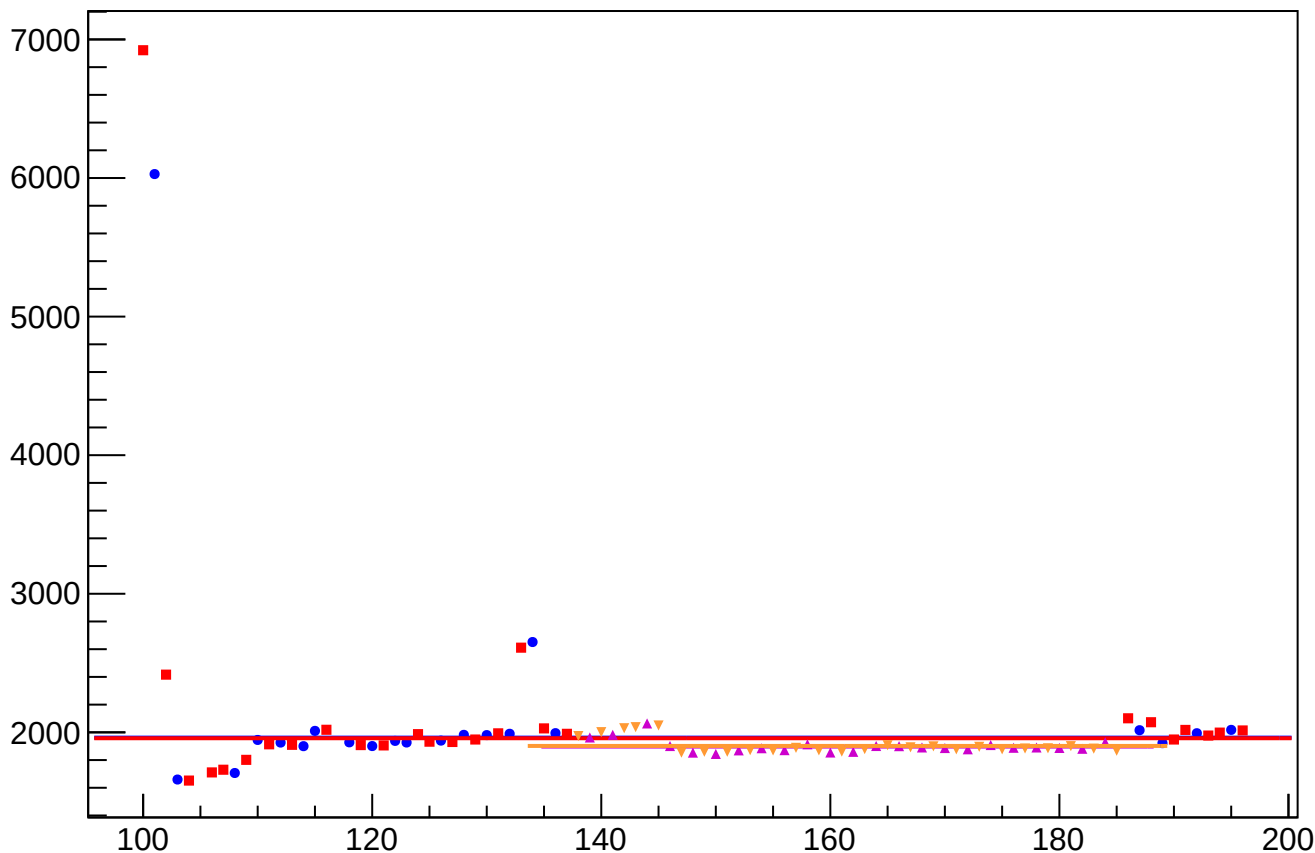
Left In: -2955.900 $\pm$ 454.551 χ^2 /NDF: 28.4/22

+ sign 2341.615 $\pm$ 369.269 χ^2 /NDF: 44.9/45

All: -169.511 $\pm$ 258.171 χ^2 /NDF: 192.2/94

- sign -2570.589 $\pm$ 361.087 χ^2 /NDF: 56.9/48

reg_asym_atr_avg_rms vs Slug



Right In: 1961.850+/-0.472 χ^2/NDF : 620042.3/20

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

Right Out: 1957.431+/-0.420 χ^2/NDF : 233028.6/25

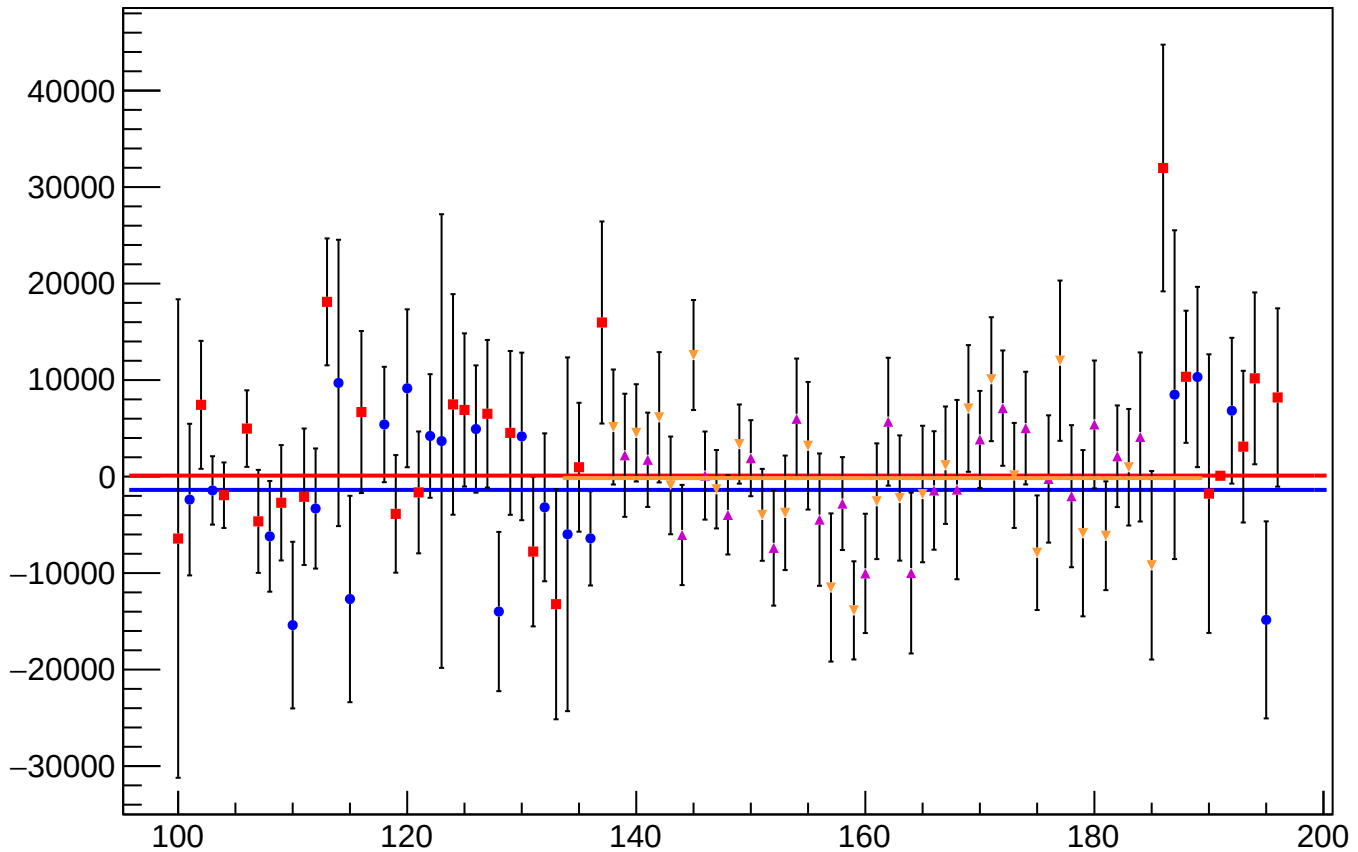
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1920.220+/-0.261 χ^2/NDF : 661685.1/45

All: 1919.916+/-0.183 χ^2/NDF : 928767.3/94

- sign 1919.626+/-0.255 χ^2/NDF : 267079.6/48

asym_atr_avg_correction_mean vs Slug



Right In: -1379.297 ± 1575.766 χ^2/NDF : 18.5/20

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

Right Out: 101.272 ± 109.598 χ^2/NDF : 30.3/25

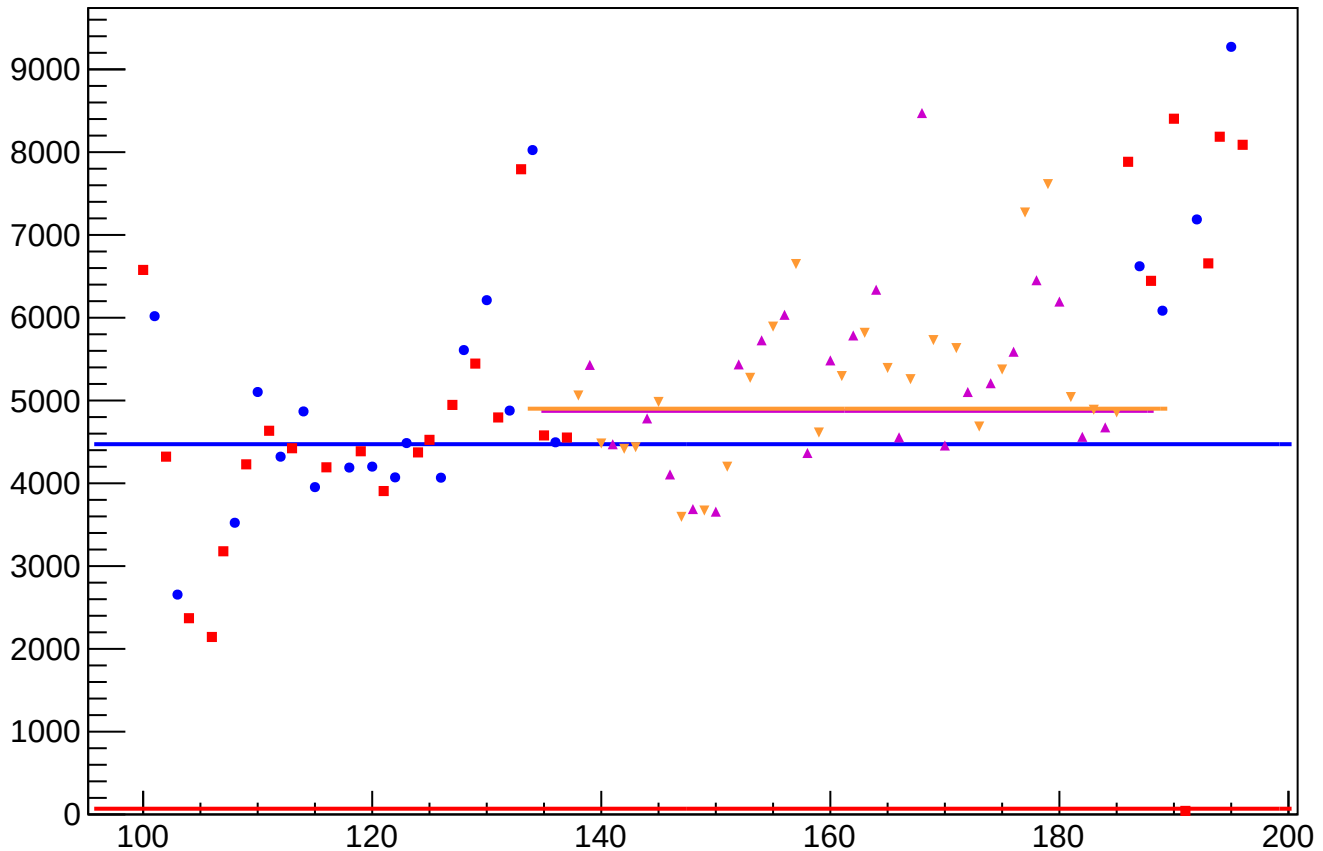
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -589.737 ± 937.218 χ^2/NDF : 48.4/45

All: 90.036 ± 108.404 χ^2/NDF : 94.0/94

- sign 99.254 ± 109.137 χ^2/NDF : 45.0/48

asym_atr_avg_correction_rms vs Slug



Right In: 4472.514+/-1.114 χ^2/NDF : 1688937.9/20

Left Out: 4901.357+/-0.824 χ^2/NDF : 1136916.0/24

Right Out: 69.344+/-0.077 χ^2/NDF : 21235945.8/25

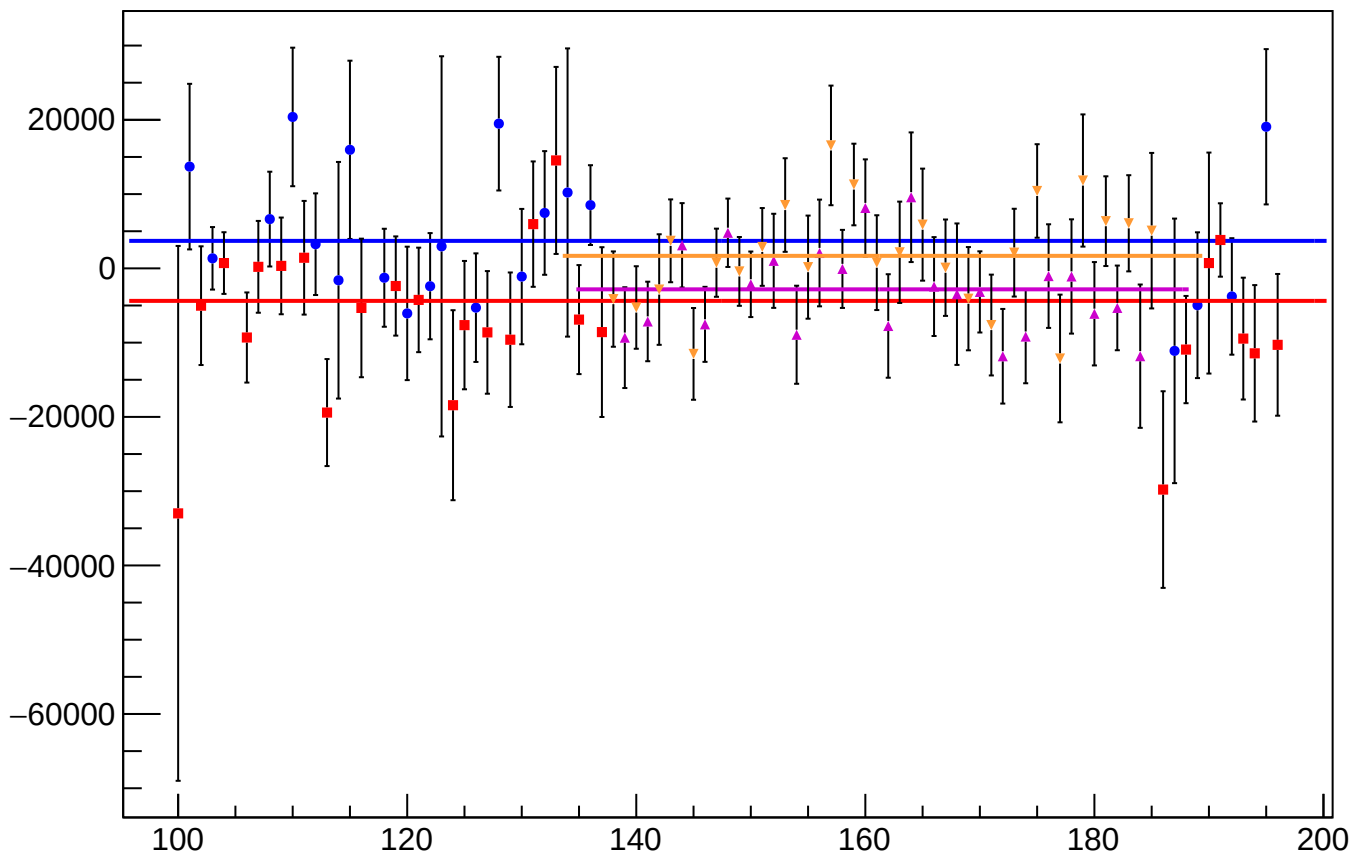
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4749.653+/-0.663 χ^2/NDF : 2921582.9/45

All: 171.781+/-0.077 χ^2/NDF : 106047214.0/5

- sign 109.705+/-0.077 χ^2/NDF : 54761242.3/48

asym_atr_avg_mean vs Slug



Right In: 3702.000+/-1759.506 χ^2/NDF : 18.7/20

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -4377.411+/-1502.772 χ^2/NDF : 23.6/25

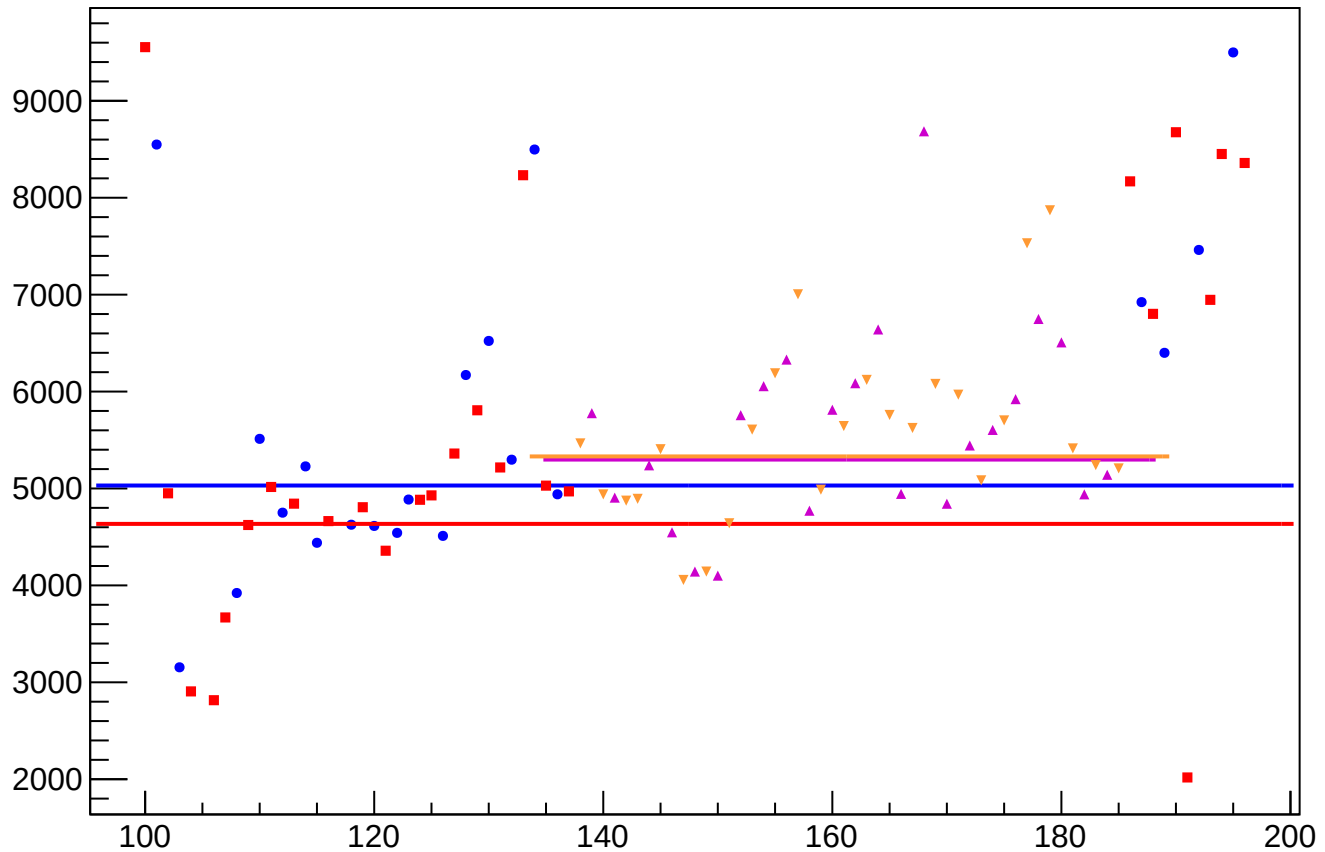
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2370.918+/-1025.306 χ^2/NDF : 45.0/45

All: -693.357+/-707.734 χ^2/NDF : 104.2/94

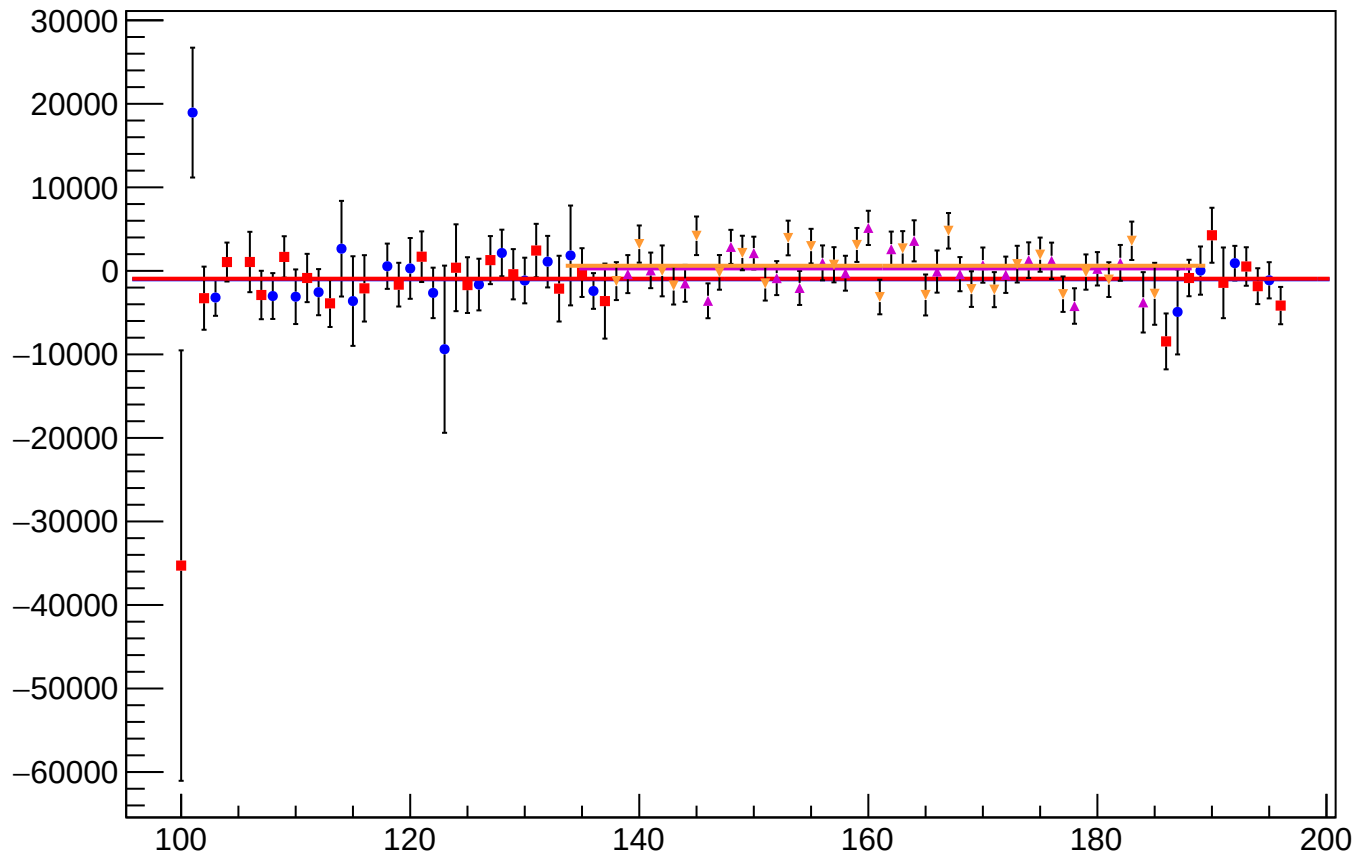
- sign -3482.151+/-978.133 χ^2/NDF : 42.2/48

asym_atr_avg_rms vs Slug



Right In: 5030.537 $\pm$ 1.244	χ^2 /NDF: 1473397.1/20	+ sign 5228.791 $\pm$ 0.725	χ^2 /NDF: 2379906.0/45
Left Out: 5330.725 $\pm$ 0.892	χ^2 /NDF: 868061.7/24	All: 5117.036 $\pm$ 0.500	χ^2 /NDF: 6332028.4/94
Right Out: 4634.592 $\pm$ 1.058	χ^2 /NDF: 2724790.5/25	- sign 5015.708 $\pm$ 0.690	χ^2 /NDF: 3906818.4/48
Left In: 5298.329 $\pm$ 0.911	χ^2 /NDF: 956021.6/22		

reg_asym_atr_dd_mean vs Slug



Right In: -1010.327 ± 659.081 χ^2/NDF : 15.0/20

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -938.425 ± 585.518 χ^2/NDF : 19.3/25

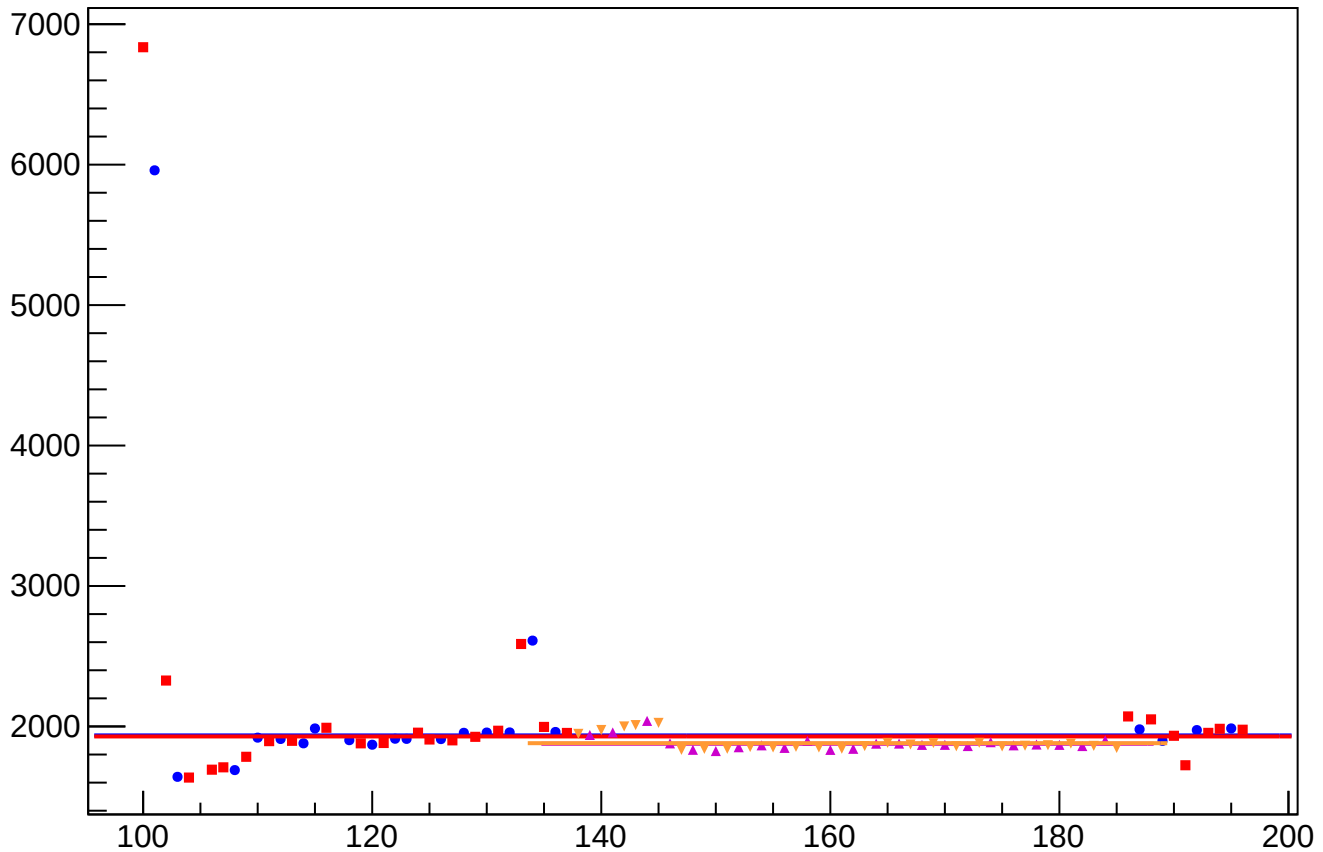
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign 114.808 ± 364.945 χ^2/NDF : 51.9/45

All: -27.683 ± 255.048 χ^2/NDF : 97.9/94

- sign -163.722 ± 356.586 χ^2/NDF : 45.7/48

reg_asym_atr_dd_rms vs Slug



Right In: 1936.316 $\pm$ 0.466 χ^2 /NDF: 618441.8/20

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1928.719 $\pm$ 0.413 χ^2 /NDF: 231044.2/25

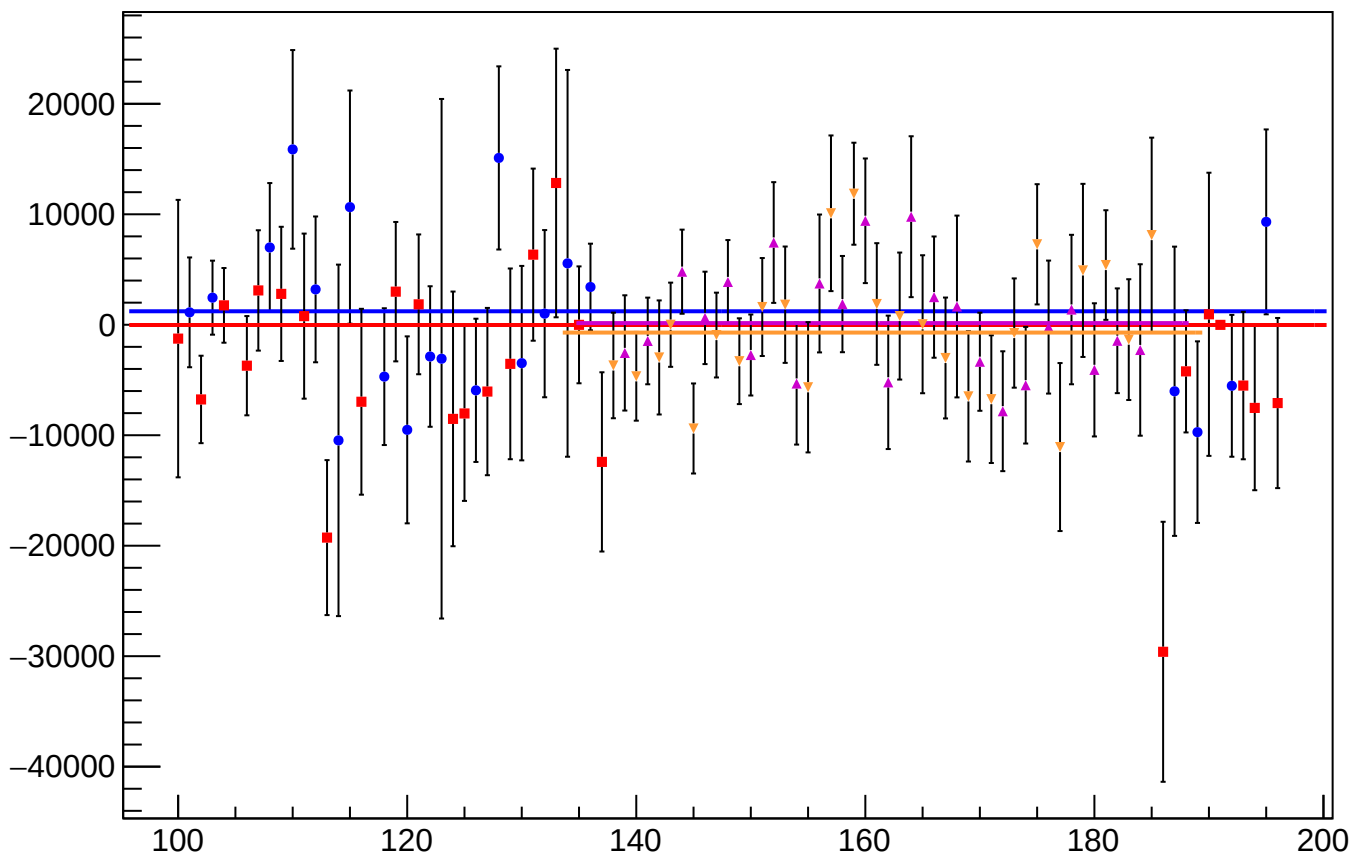
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1897.827 $\pm$ 0.258 χ^2 /NDF: 656933.7/45

All: 1896.902 $\pm$ 0.180 χ^2 /NDF: 918458.2/94

- sign 1896.020 $\pm$ 0.252 χ^2 /NDF: 261499.3/48

asym_atr_dd_correction_mean vs Slug



Right In: 1220.629+/-1458.472 χ^2/NDF : 17.0/20

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

Right Out: -21.659+/-85.823 χ^2/NDF : 28.9/25

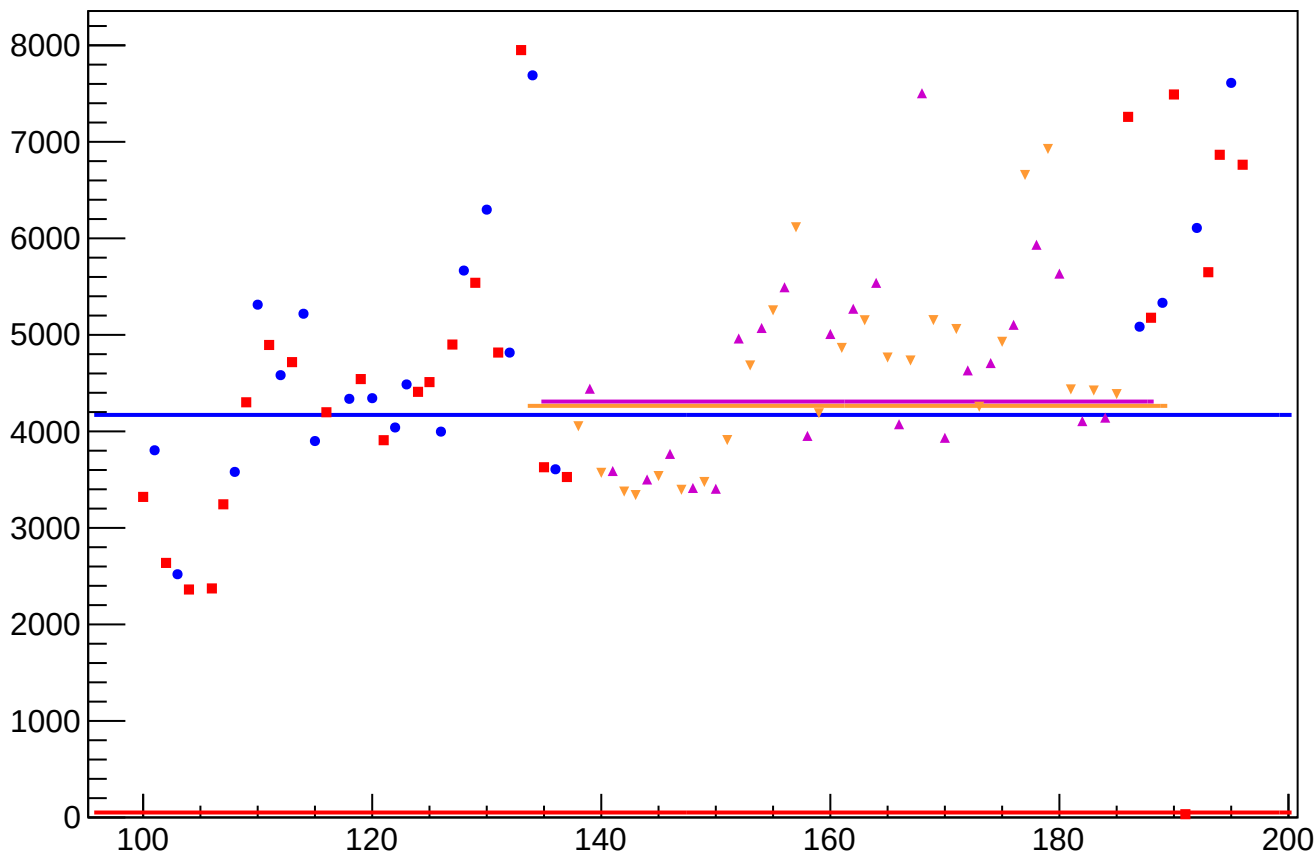
Left In: 150.495+/-1053.655 χ^2/NDF : 16.9/22

+ sign -76.288+/-834.610 χ^2/NDF : 45.3/45

All: -21.104+/-85.094 χ^2/NDF : 91.1/94

- sign -20.524+/-85.540 χ^2/NDF : 45.8/48

asym_atr_dd_correction_rms vs Slug



Right In: 4170.659+/-1.031 χ^2 /NDF: 1460296.6/20

Left Out: 4264.433+/-0.720 χ^2 /NDF:1354900.8/24

Right Out: 51.305+/-0.061 χ^2 /NDF: 21344541.0/25

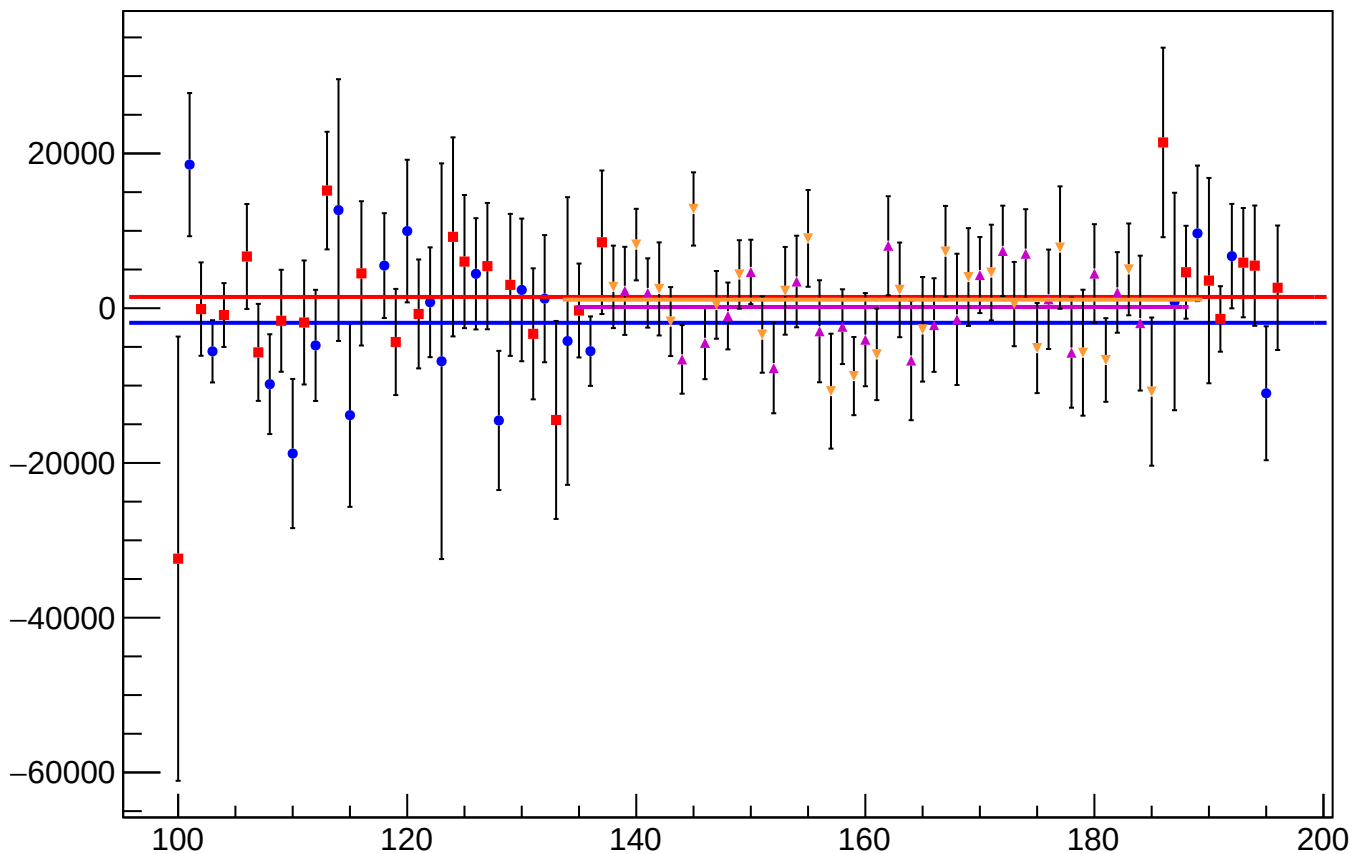
Left In: 4309.034+/-0.745 χ^2 /NDF:1305133.3/22

+ sign 4233.725+/-0.590 χ^2 /NDF: 2820757.9/45

All: 122.552+/-0.060 χ^2 /NDF: 106951100.9/5

- sign 79.367+/-0.060 χ^2 /NDF: 55092394.1/48

asym_atr_dd_mean vs Slug



Right In: -1886.841 ± 1672.486 χ^2/NDF : 23.5/20

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1454.708 ± 1418.857 χ^2/NDF : 15.8/25

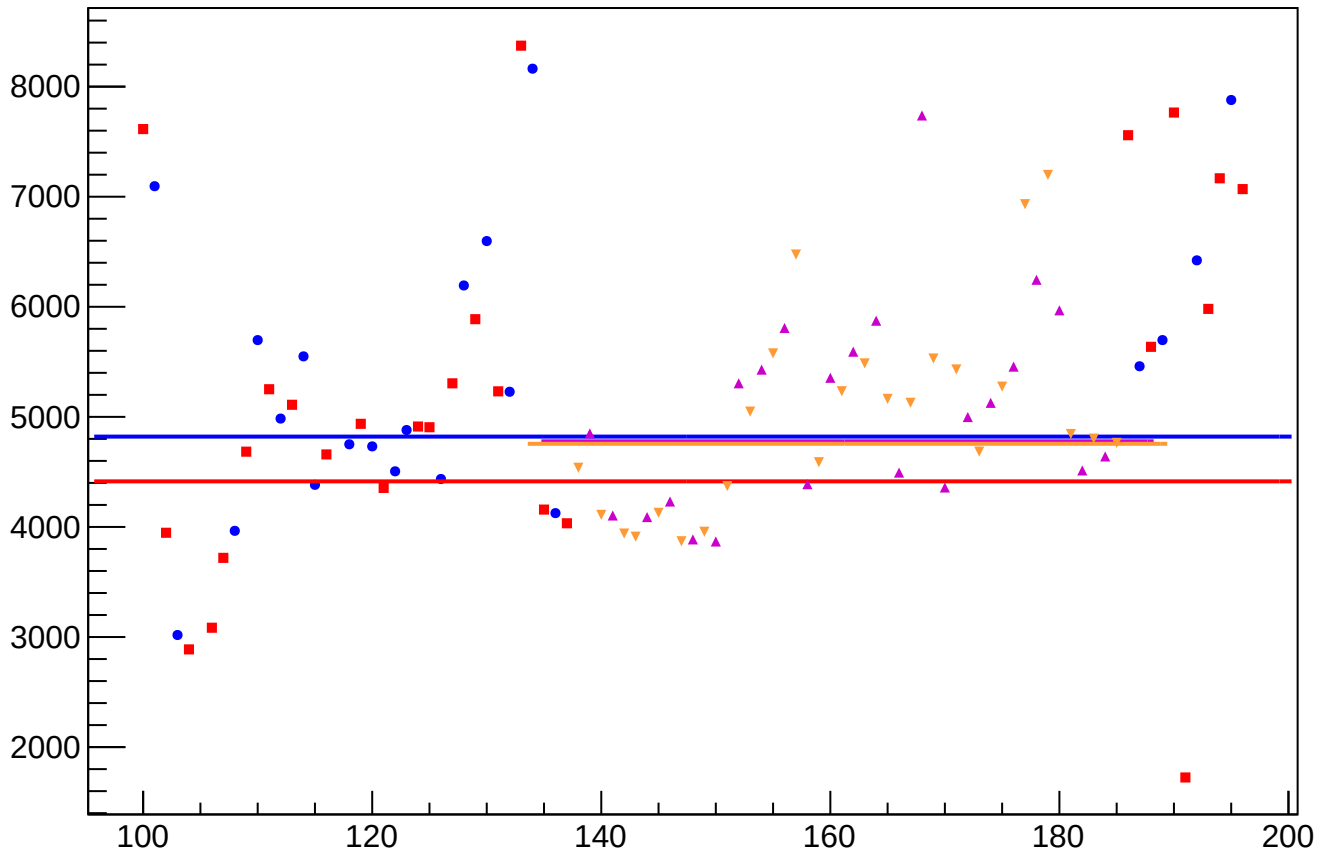
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 169.183 ± 934.420 χ^2/NDF : 54.3/45

All: 433.854 ± 647.760 χ^2/NDF : 86.3/94

- sign 678.711 ± 898.763 χ^2/NDF : 31.8/48

asym_atr_dd_rms vs Slug



Right In: 4820.789 $\pm$ 1.183 χ^2 /NDF: 1216952.6/20

Left Out: 4755.383 $\pm$ 0.797 χ^2 /NDF: 953328.0/24

Right Out: 4414.144 $\pm$ 0.999 χ^2 /NDF: 2500020.8/25

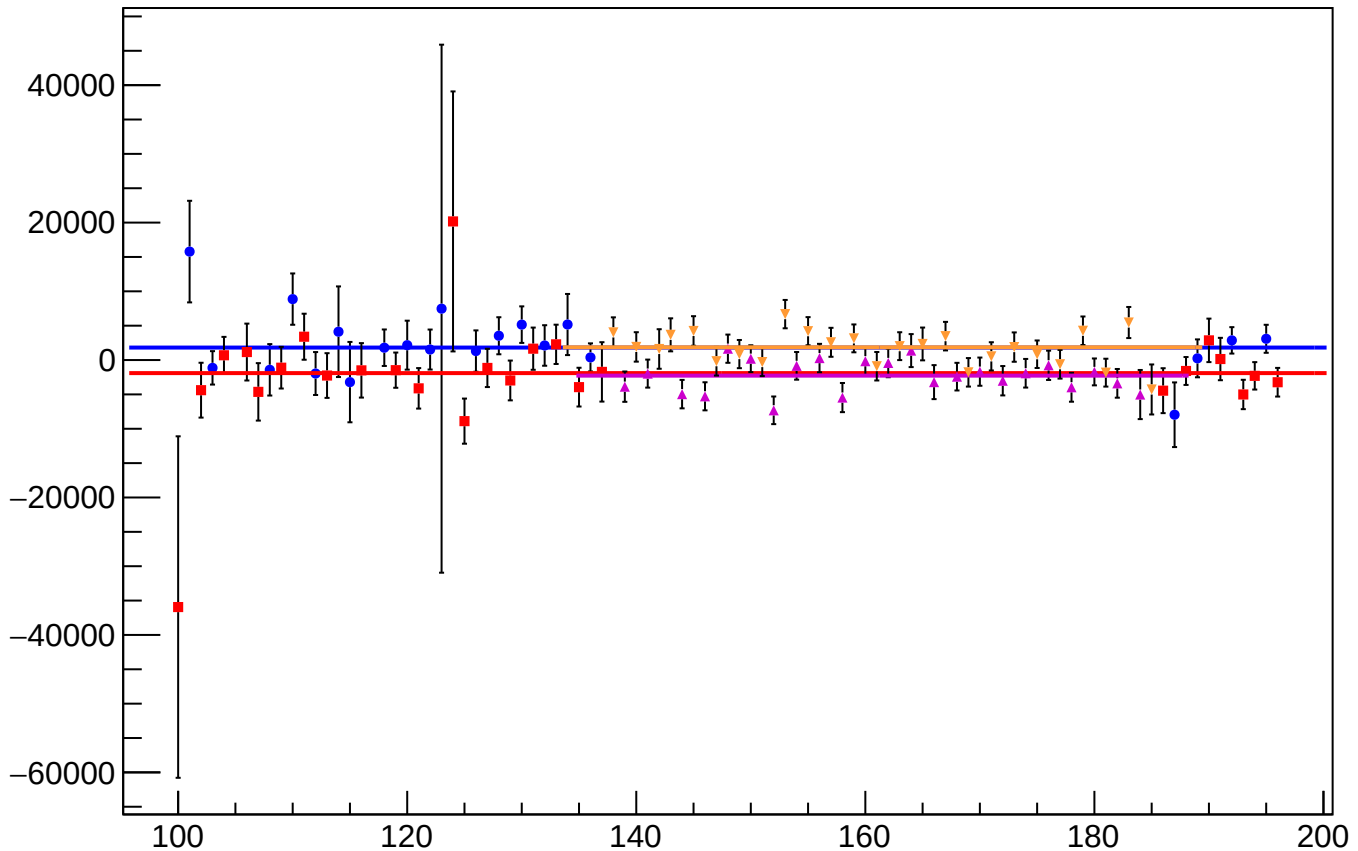
Left In: 4777.831 $\pm$ 0.821 χ^2 /NDF: 950291.2/22

+ sign 4775.799 $\pm$ 0.661 χ^2 /NDF: 2172384.5/45

All: 4700.582 $\pm$ 0.458 χ^2 /NDF: 5726655.7/94

- sign 4631.215 $\pm$ 0.635 χ^2 /NDF: 3529360.6/48

reg_asym_at1_avg_mean vs Slug



Right In: 1815.796+/-658.296 χ^2/NDF : 20.1/20

Left Out: 1856.570+/-430.977 χ^2/NDF :30.0/24

Right Out: -1901.046+/-583.535 χ^2/NDF : 23.4/25

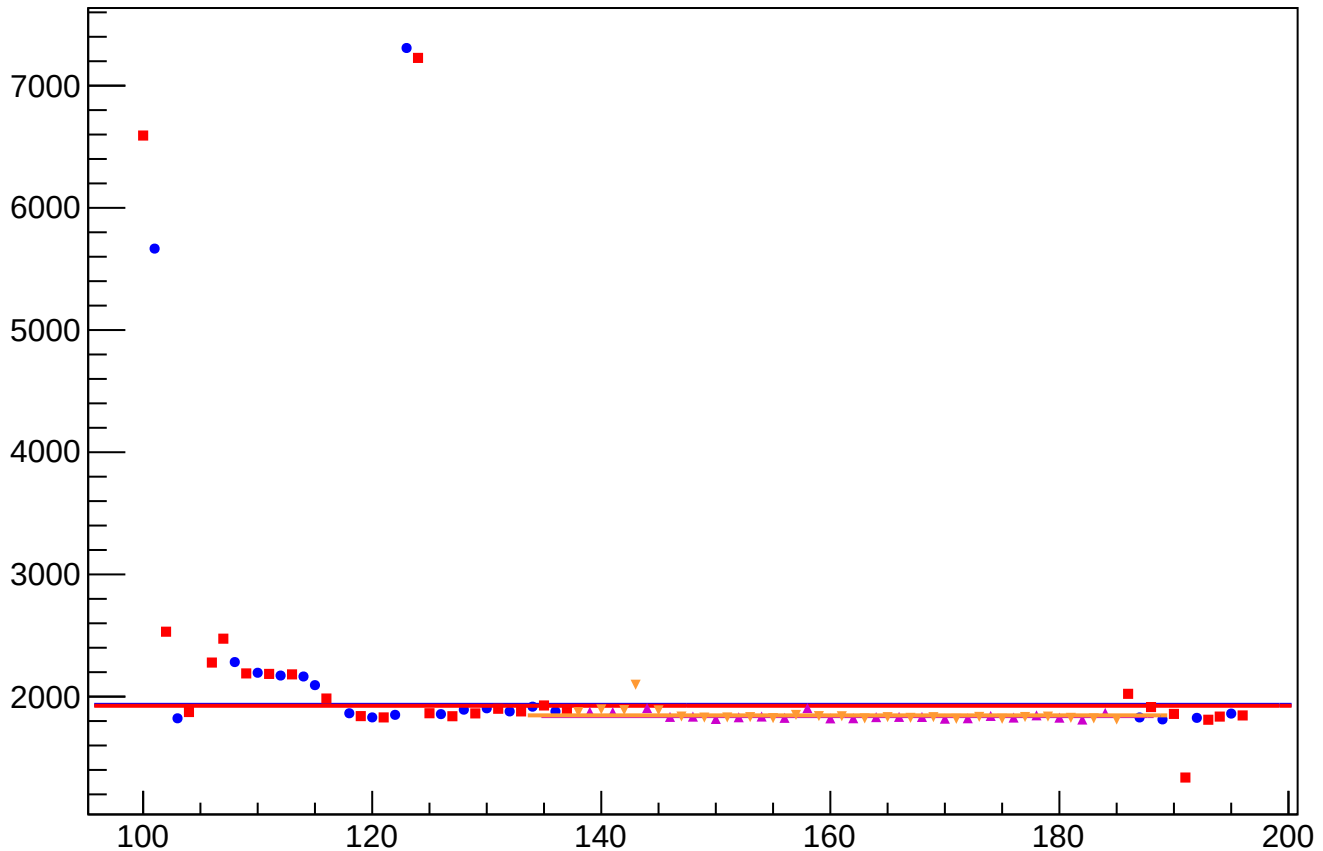
Left In: -2268.464+/-441.710 χ^2/NDF :26.9/22

+ sign 1844.337+/-360.576 χ^2/NDF : 50.1/45

All: -191.957+/-251.948 χ^2/NDF : 163.0/94

- sign -2134.627+/-352.189 χ^2/NDF : 50.5/48

reg_asym_at1_avg_rms vs Slug



Right In: 1932.758 $\pm$ 0.465 χ^2 /NDF: 618671.5/20

Left Out: 1846.602 $\pm$ 0.305 χ^2 /NDF: 27302.8/24

Right Out: 1925.025 $\pm$ 0.413 χ^2 /NDF: 460506.2/25

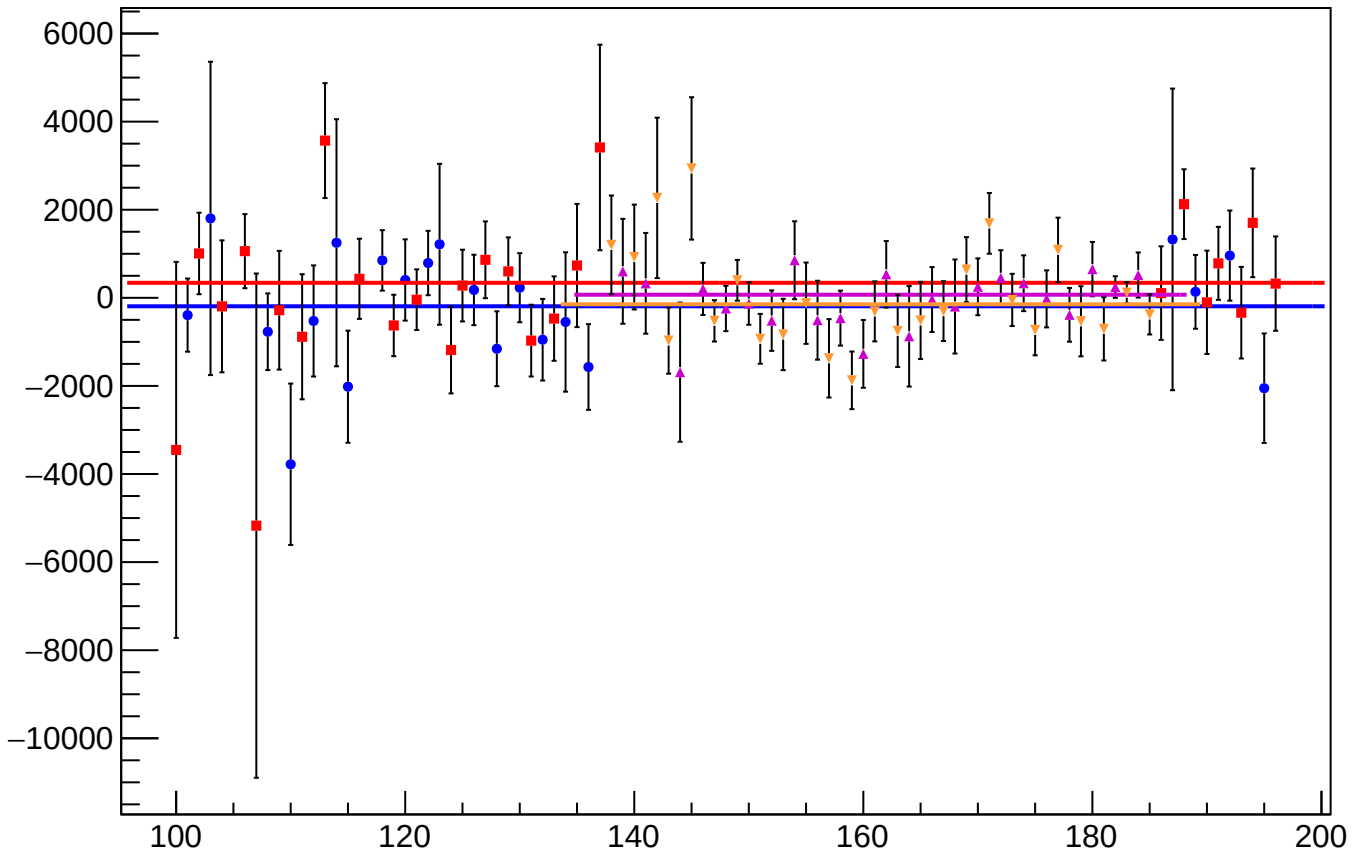
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1872.451 $\pm$ 0.255 χ^2 /NDF: 669954.2/45

All: 1871.870 $\pm$ 0.178 χ^2 /NDF: 1163861.6/94

- sign 1871.316 $\pm$ 0.249 χ^2 /NDF: 493897.3/48

asym_at1_avg_correction_mean vs Slug



Right In: -192.084+/-221.937 χ^2/NDF : 20.5/20

Left Out: -146.999+/-121.984 χ^2/NDF : 37.7/24

Right Out: 341.006+/-195.900 χ^2/NDF : 27.6/25

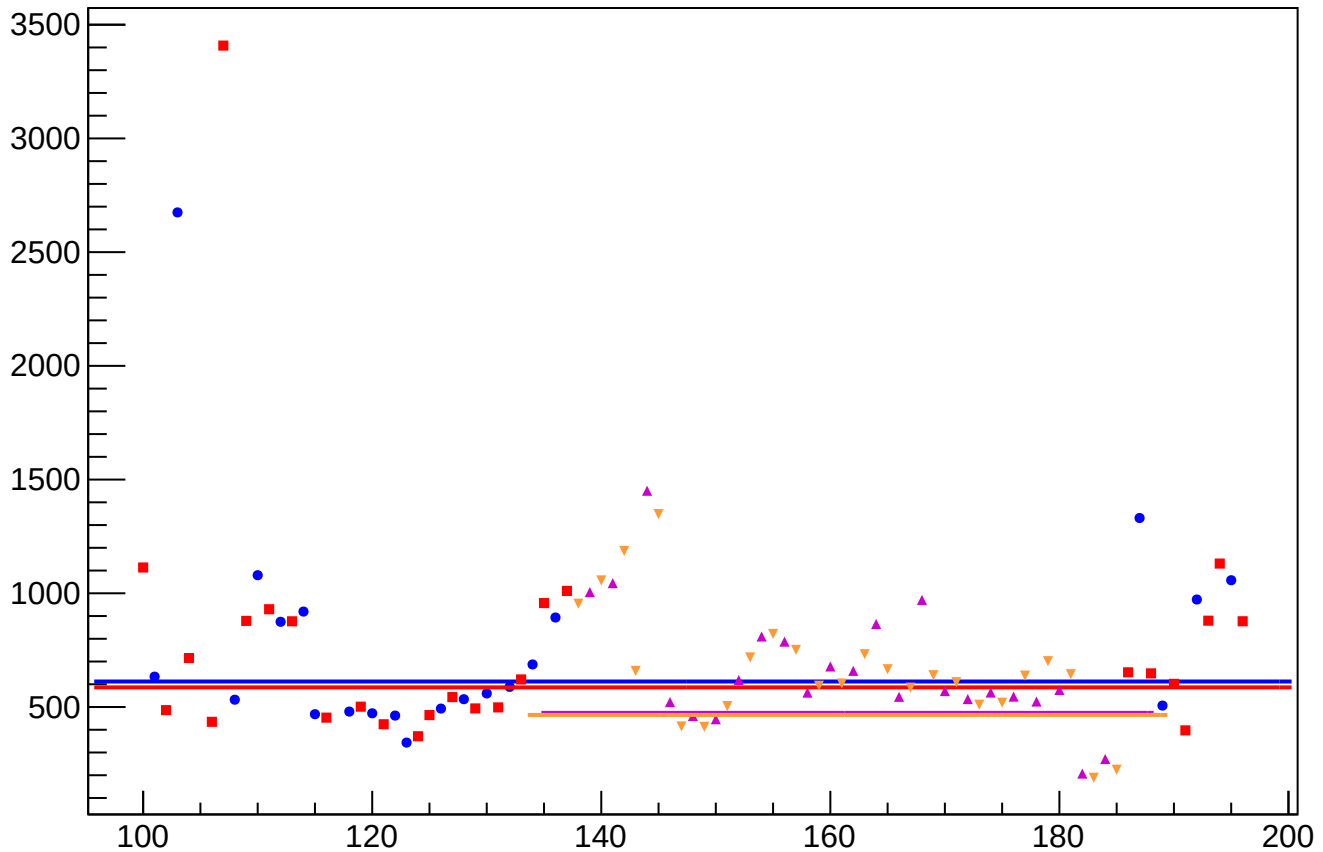
Left In: 70.340+/-126.373 χ^2/NDF : 12.3/22

+ sign -157.459+/-106.901 χ^2/NDF : 58.2/45

All: -2.772+/-75.339 χ^2/NDF : 103.7/94

- sign 149.877+/-106.194 χ^2/NDF : 41.3/48

asym_at1_avg_correction_rms vs Slug



Right In: 612.173+/-0.157 χ^2/NDF : 2073324.1/20

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

Right Out: 586.251+/-0.139 χ^2/NDF : 2339191.9/25

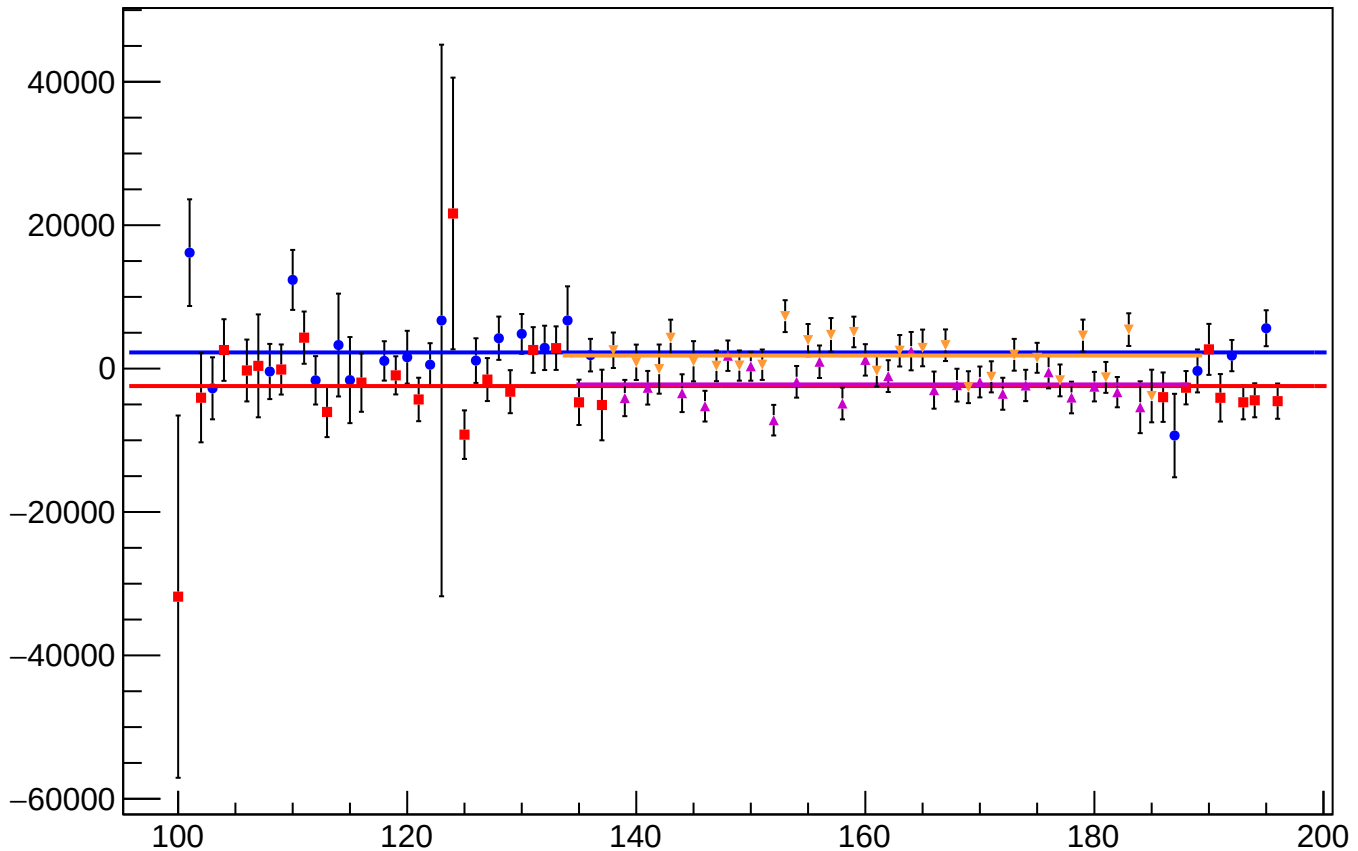
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 499.207+/-0.076 χ^2/NDF : 9834164.4/45

All: 503.216+/-0.053 χ^2/NDF : 18813571.6/94

- sign 507.171+/-0.075 χ^2/NDF : 8973820.7/48

asym_at1_avg_mean vs Slug



Right In: 2255.337+/-736.262 χ^2/NDF : 22.4/20

Left Out: 1824.066+/-462.694 χ^2/NDF : 32.1/24

Right Out: -2436.283+/-655.953 χ^2/NDF : 25.8/25

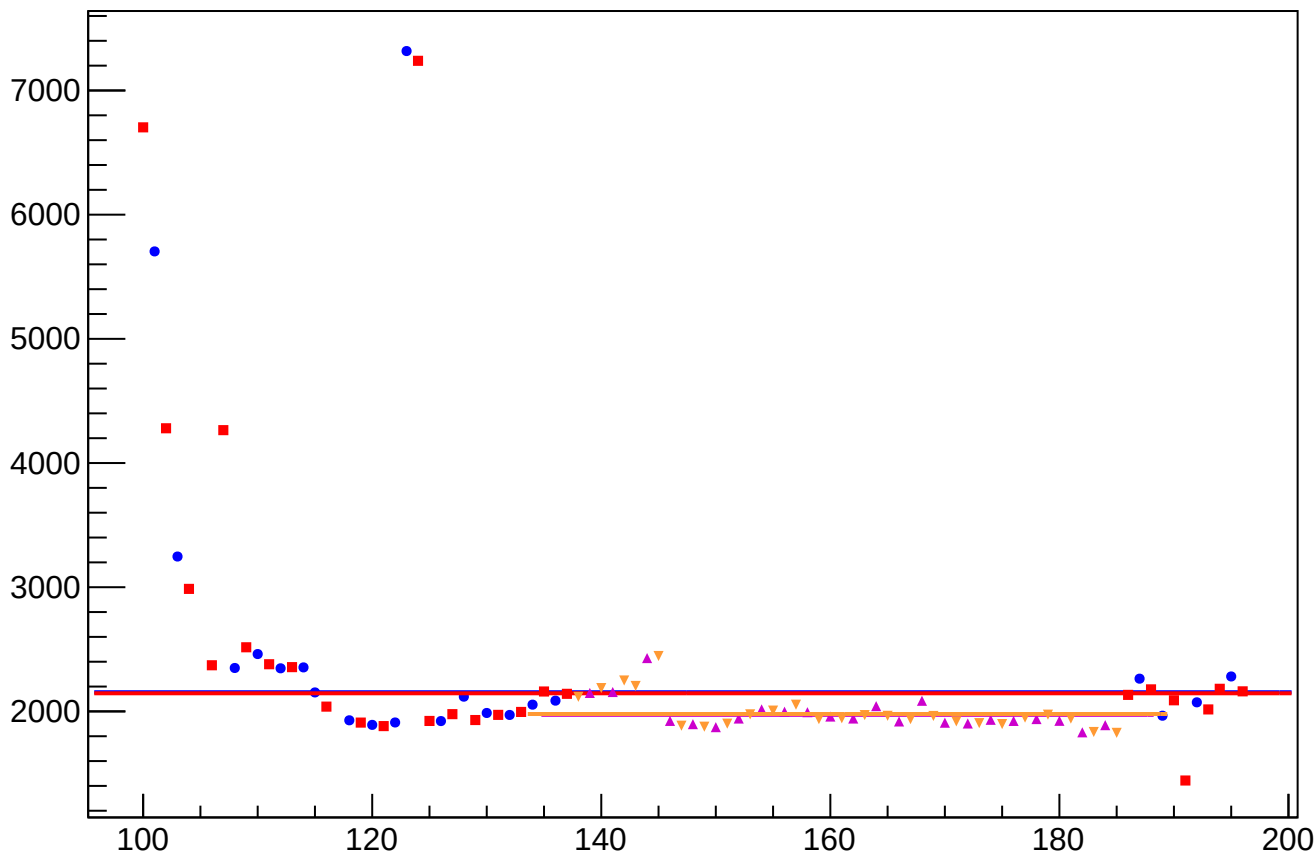
Left In: -2208.114+/-474.050 χ^2/NDF : 25.3/22

+ sign 1946.167+/-391.757 χ^2/NDF : 54.8/45

All: -211.237+/-274.310 χ^2/NDF : 165.5/94

- sign -2286.396+/-384.217 χ^2/NDF : 51.2/48

asym_at1_avg_rms vs Slug



Right In: 2154.474+/-0.521 χ^2 /NDF: 724726.6/20

Left Out: 1978.997+/-0.327 χ^2 /NDF:139299.8/24

Right Out: 2145.793+/-0.464 χ^2 /NDF: 905229.6/25

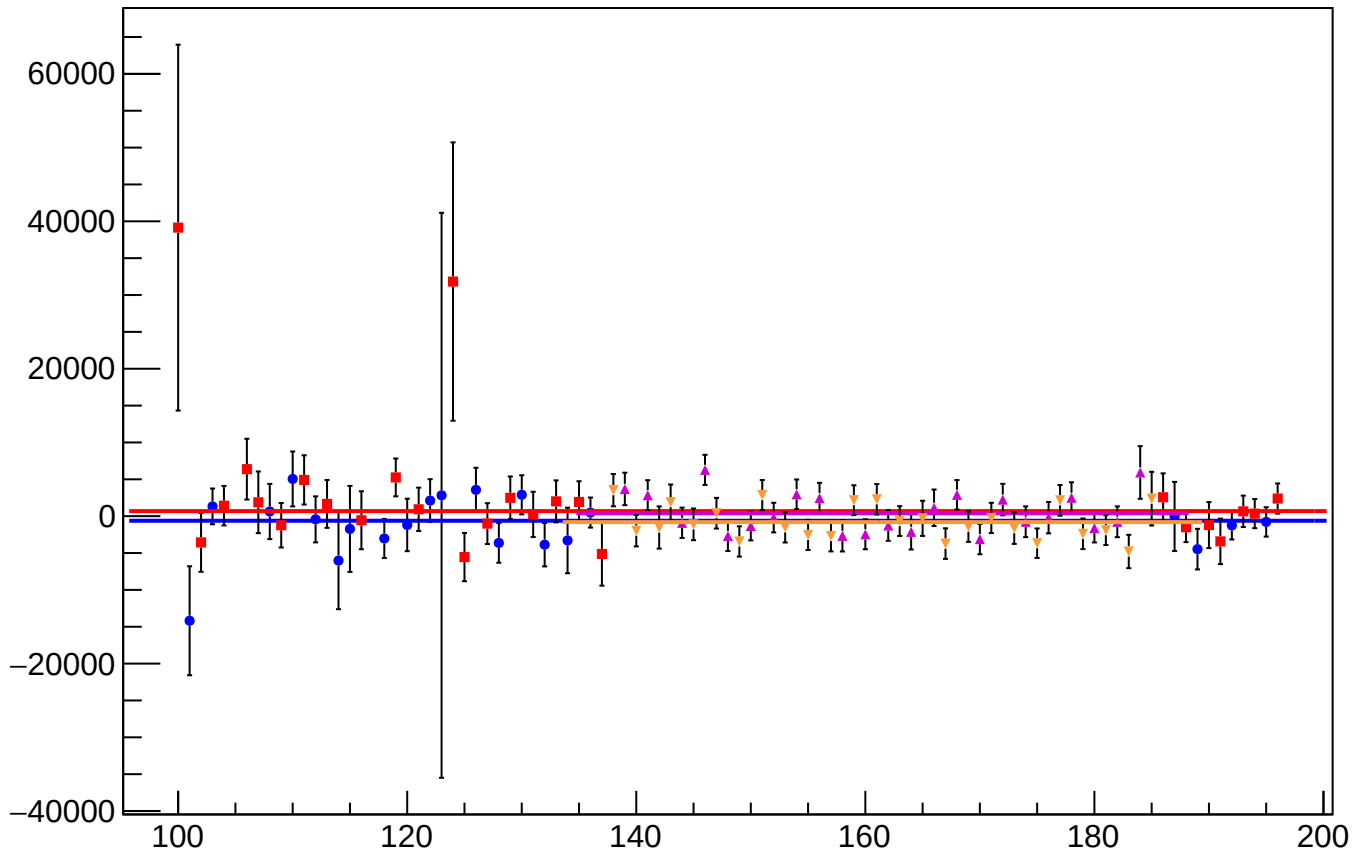
Left In: 1972.166+/-0.335 χ^2 /NDF:116452.5/22

+ sign 2028.678+/-0.277 χ^2 /NDF: 945468.5/45

All: 2030.237+/-0.194 χ^2 /NDF: 2059263.1/94

- sign 2031.736+/-0.272 χ^2 /NDF: 1113732.4/48

reg_asym_at1_dd_mean vs Slug



Right In: -620.763+/-655.462 χ^2/NDF : 17.8/20

Left Out: -808.436+/-430.304 χ^2/NDF : 27.9/24

Right Out: 686.819+/-580.778 χ^2/NDF : 24.7/25

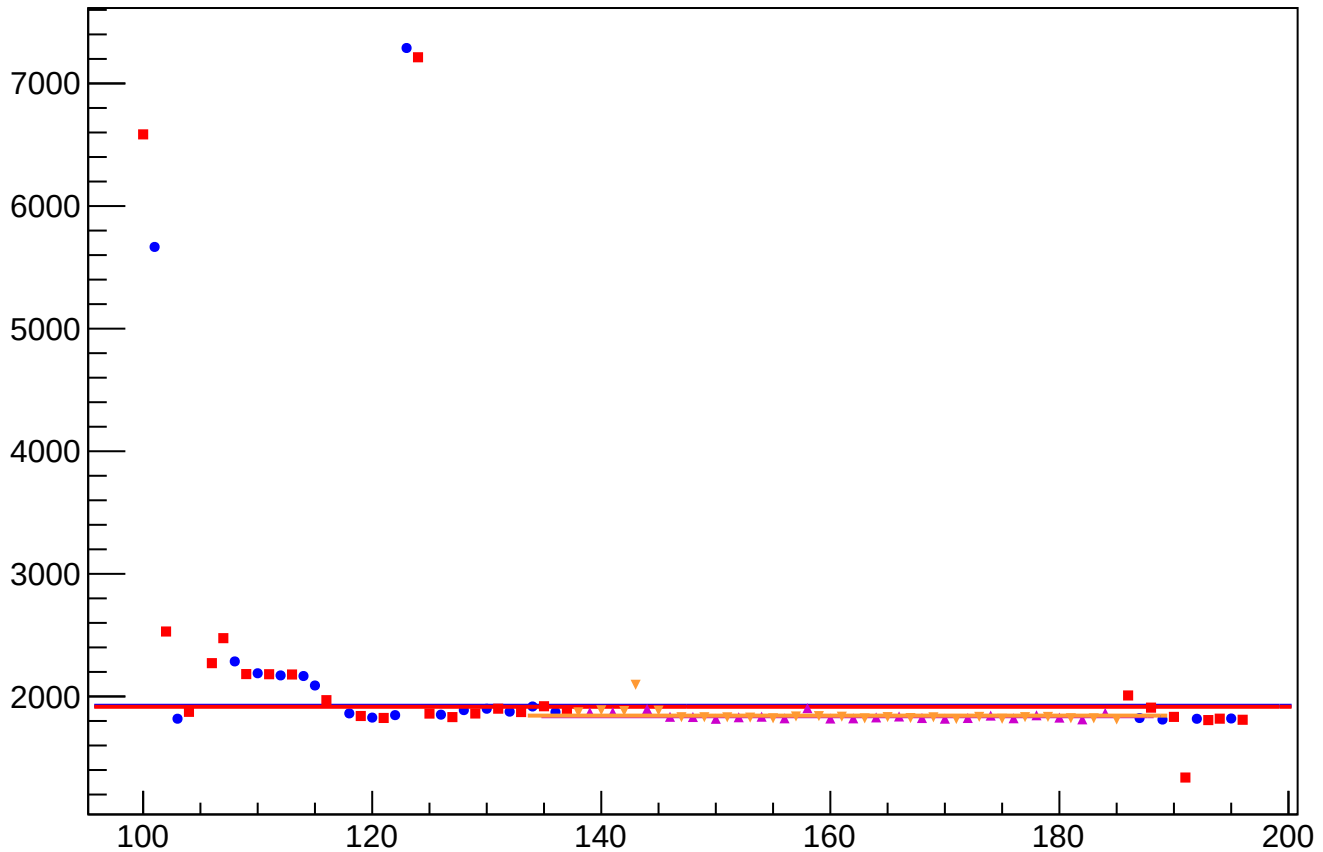
Left In: 398.797+/-441.246 χ^2/NDF : 34.4/22

+ sign -751.913+/-359.715 χ^2/NDF : 45.8/45

All: -109.071+/-251.346 χ^2/NDF : 111.3/94

- sign 504.205+/-351.346 χ^2/NDF : 59.3/48

reg_asym_at1_dd_rms vs Slug



Right In: 1924.096 $\pm$ 0.463 χ^2 /NDF: 624677.5/20

Left Out: 1843.747 $\pm$ 0.304 χ^2 /NDF: 26867.4/24

Right Out: 1915.793 $\pm$ 0.411 χ^2 /NDF: 464471.5/25

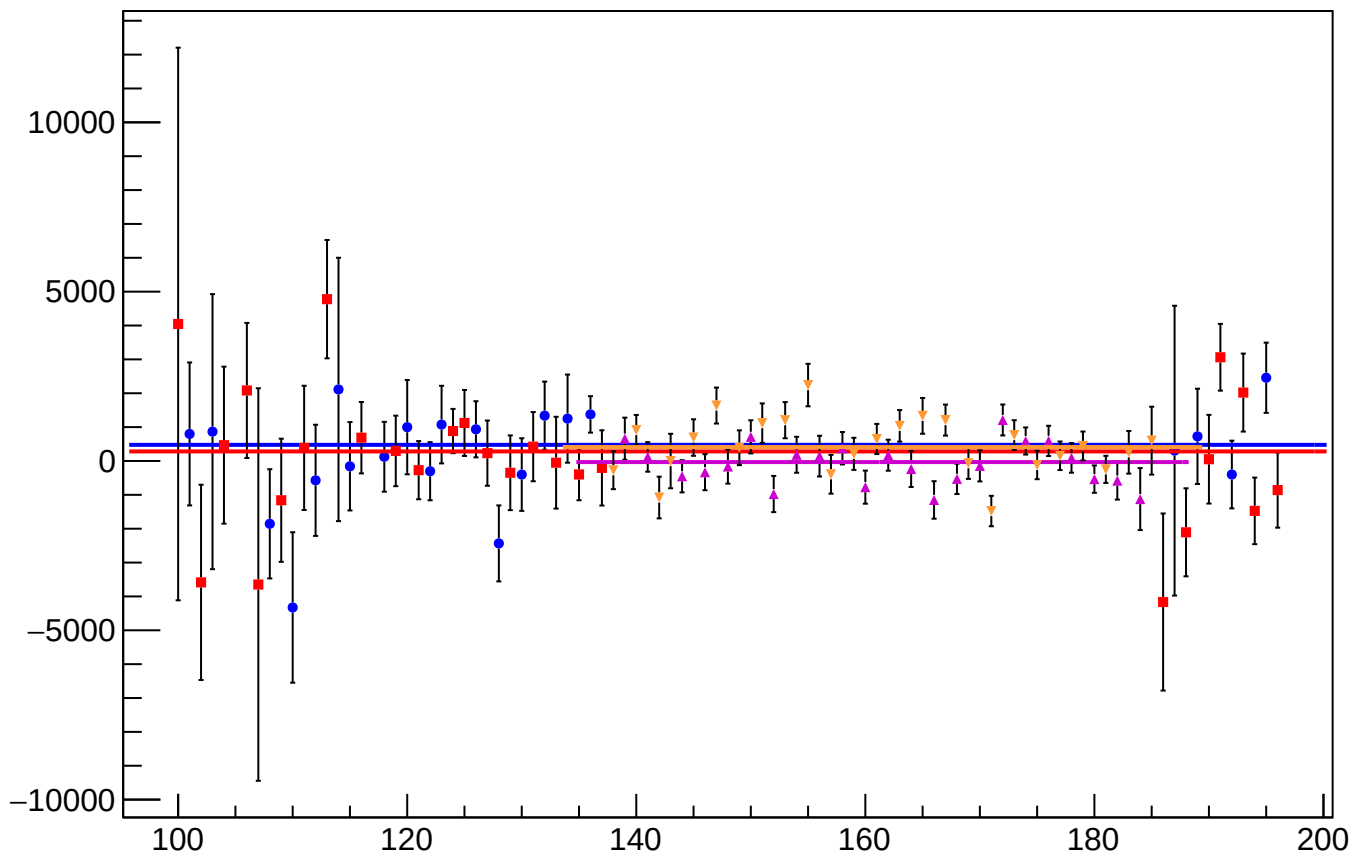
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1867.946 $\pm$ 0.254 χ^2 /NDF: 672547.3/45

All: 1867.389 $\pm$ 0.178 χ^2 /NDF: 1165758.4/94

- sign 1866.858 $\pm$ 0.248 χ^2 /NDF: 493201.8/48

asym_at1_dd_correction_mean vs Slug



Right In: 476.263 $\pm$ 249.114 χ^2 /NDF: 25.0/20

Left Out: 411.072 $\pm$ 100.456 χ^2 /NDF:61.2/24

Right Out: 281.594 $\pm$ 229.475 χ^2 /NDF: 34.9/25

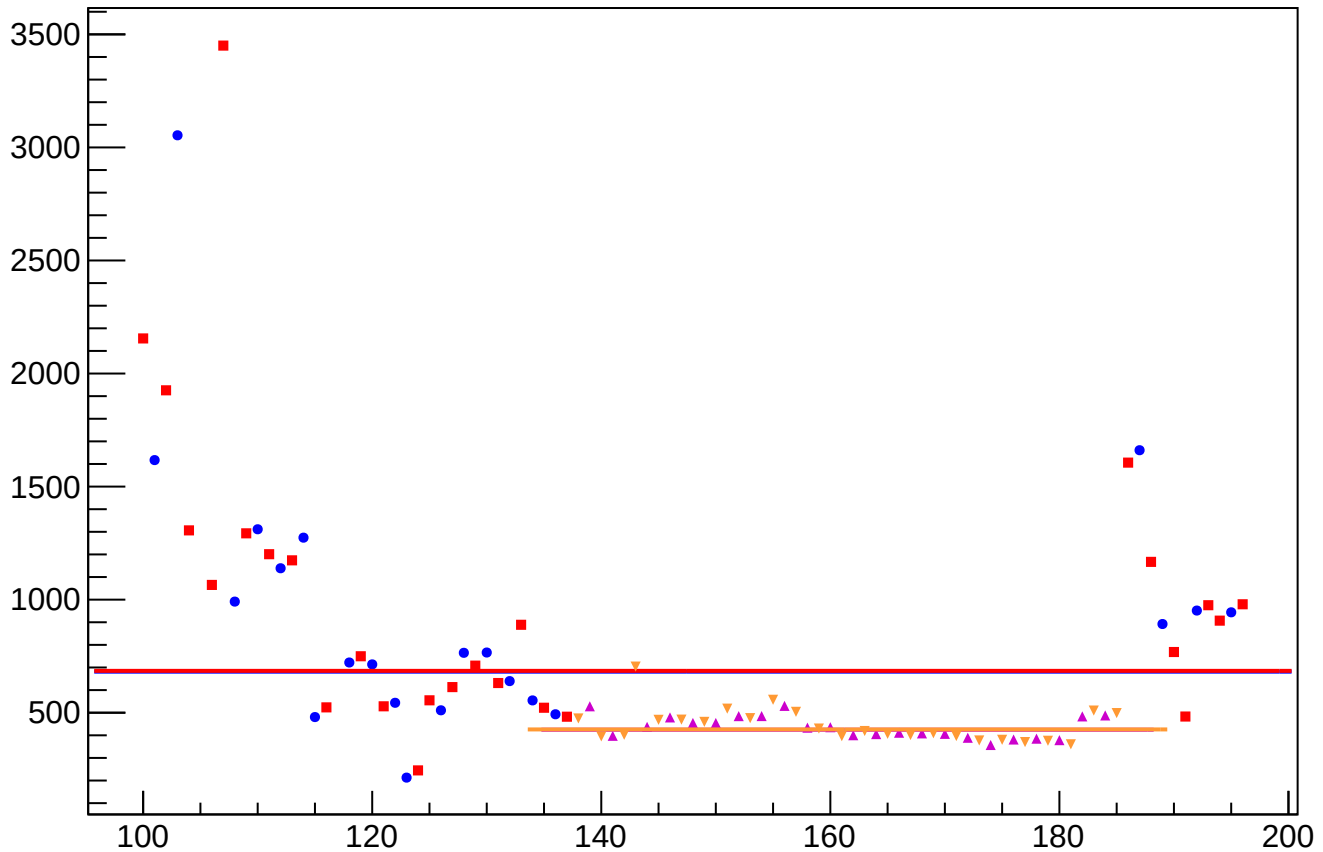
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF:32.7/22

+ sign 420.190 $\pm$ 93.166 χ^2 /NDF: 86.2/45

All: 220.691 $\pm$ 66.001 χ^2 /NDF: 164.6/94

- sign 19.698 $\pm$ 93.515 χ^2 /NDF: 69.2/48

asym_at1_dd_correction_rms vs Slug



Right In: 681.583 ± 0.176 $\chi^2/\text{NDF}: 2748904.7/20$

Left Out: 426.027 ± 0.071 $\chi^2/\text{NDF}: 733072.9/24$

Right Out: 685.068 ± 0.162 $\chi^2/\text{NDF}: 3915752.2/25$

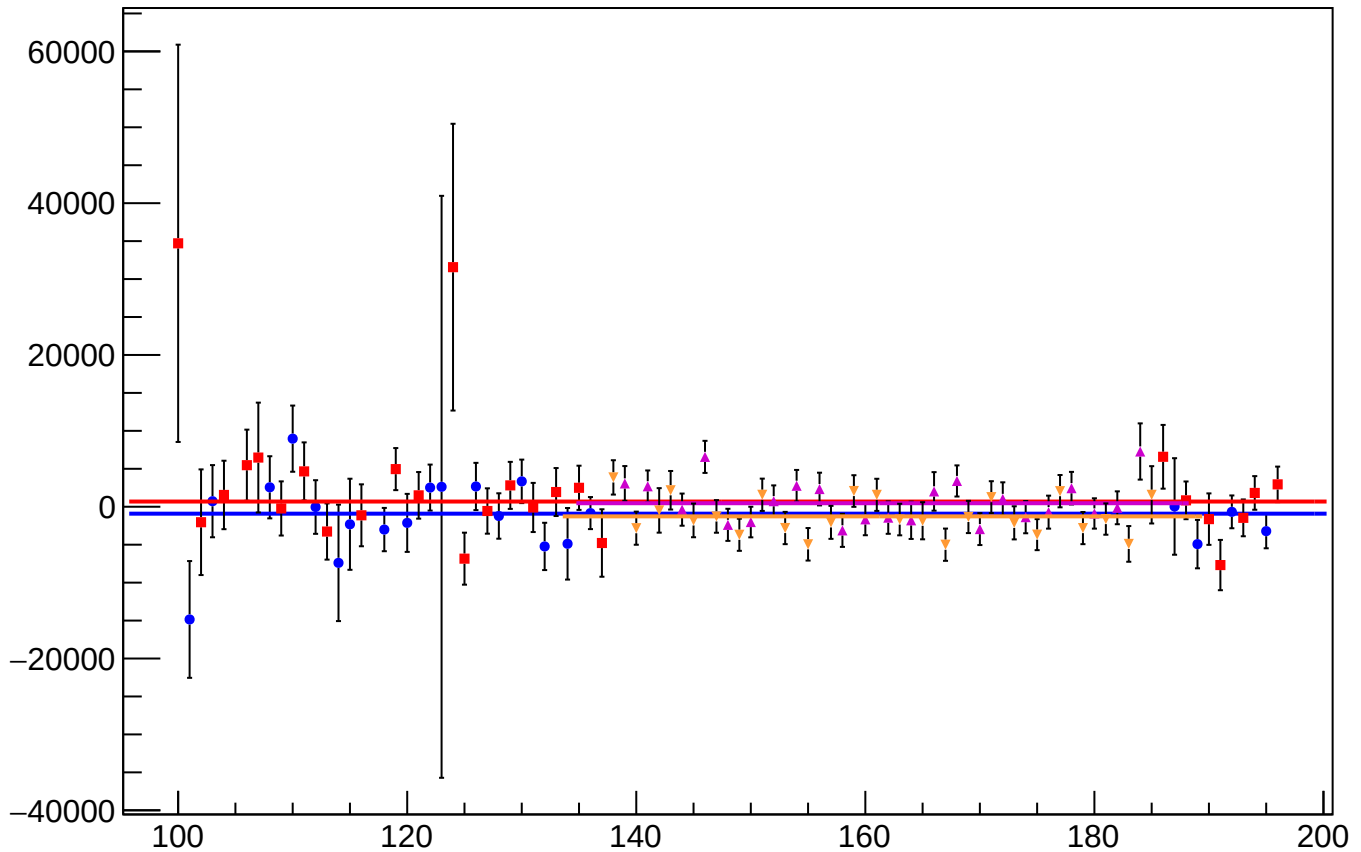
Left In: 424.639 ± 0.072 $\chi^2/\text{NDF}: 391611.2/22$

+ sign 461.772 ± 0.066 $\chi^2/\text{NDF}: 5292365.7/45$

All: 464.818 ± 0.047 $\chi^2/\text{NDF}: 11752195.8/94$

- sign 467.888 ± 0.066 $\chi^2/\text{NDF}: 6455536.9/48$

asym_at1_dd_mean vs Slug



Right In: -913.252 ± 737.060 χ^2/NDF : 20.8/20

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 685.916 ± 663.233 χ^2/NDF : 29.6/25

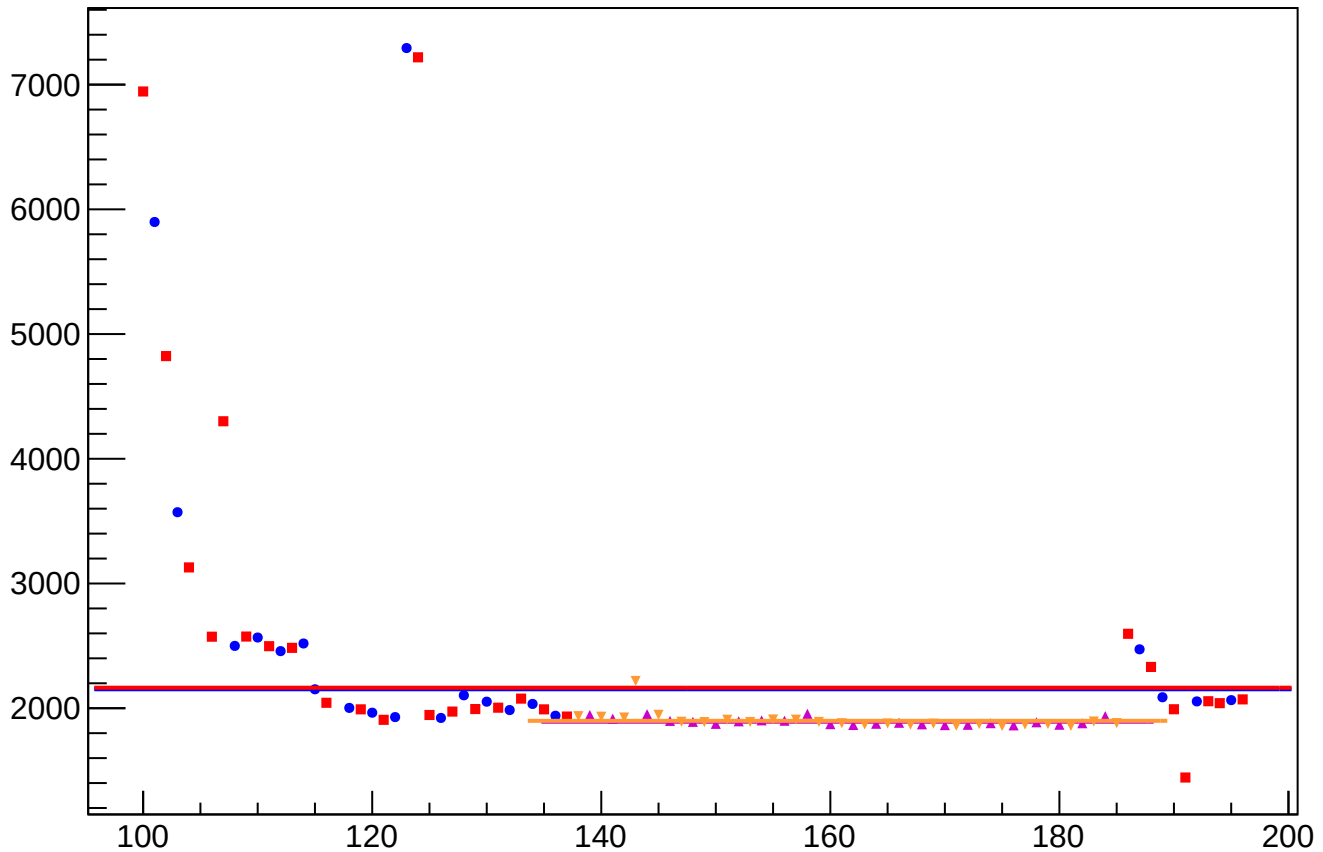
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1173.705 ± 379.833 χ^2/NDF : 51.8/45

All: -308.098 ± 266.715 χ^2/NDF : 124.3/94

- sign 533.841 ± 374.605 χ^2/NDF : 62.2/48

asym_at1_dd_rms vs Slug



Right In: 2151.853 $\pm$ 0.521 χ^2 /NDF: 815724.2/20

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2164.462 $\pm$ 0.469 χ^2 /NDF: 1047491.0/25

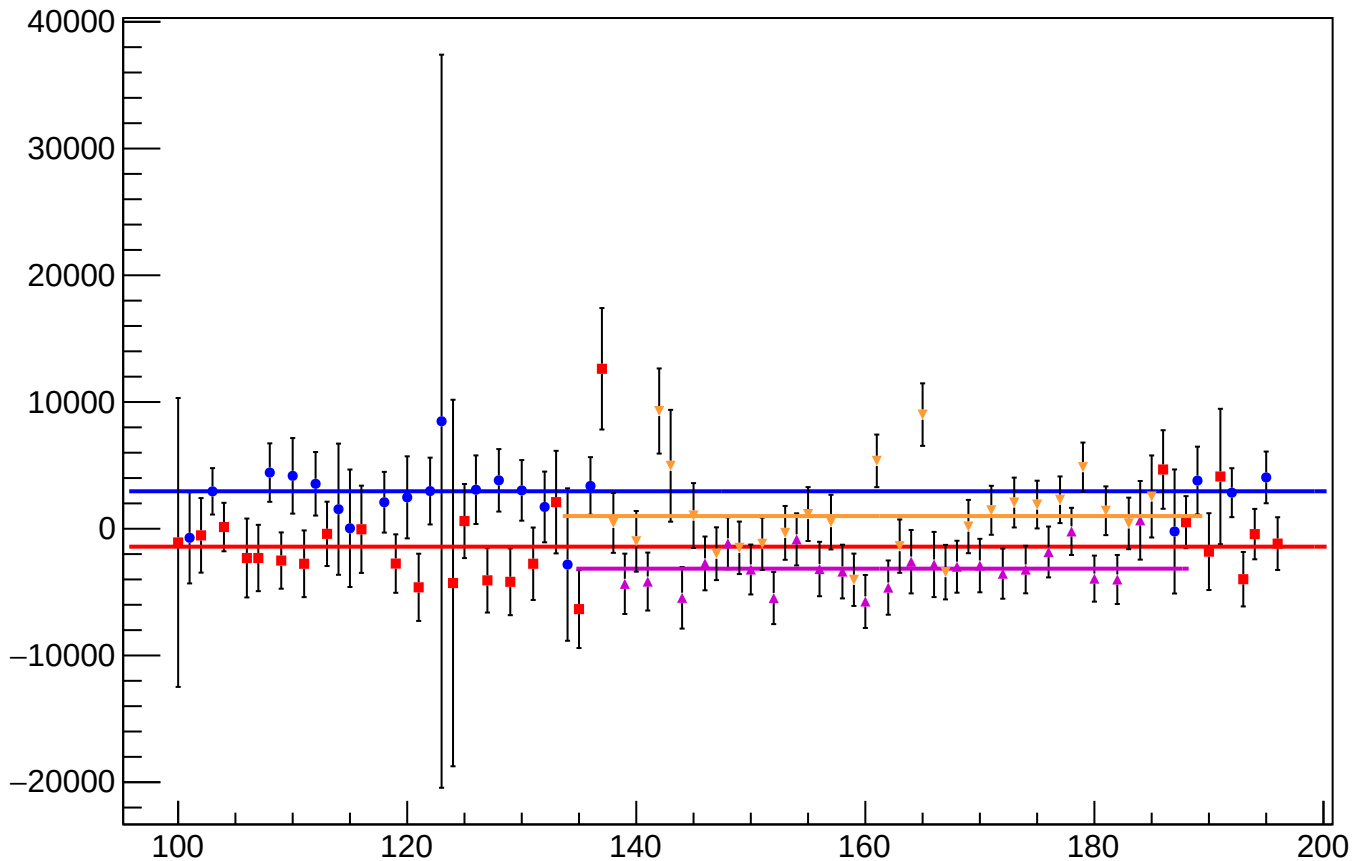
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1966.122 $\pm$ 0.269 χ^2 /NDF: 1027323.5/45

All: 1972.504 $\pm$ 0.189 χ^2 /NDF: 2313718.4/94

- sign 1978.711 $\pm$ 0.265 χ^2 /NDF: 1285281.2/48

reg_asym_at2_avg_mean vs Slug



Right In: 2956.693 ± 592.479 χ^2/NDF : 4.4/20

Left Out: 1001.263 ± 435.247 χ^2/NDF : 44.6/24

Right Out: -1414.044 ± 534.323 χ^2/NDF : 25.9/25

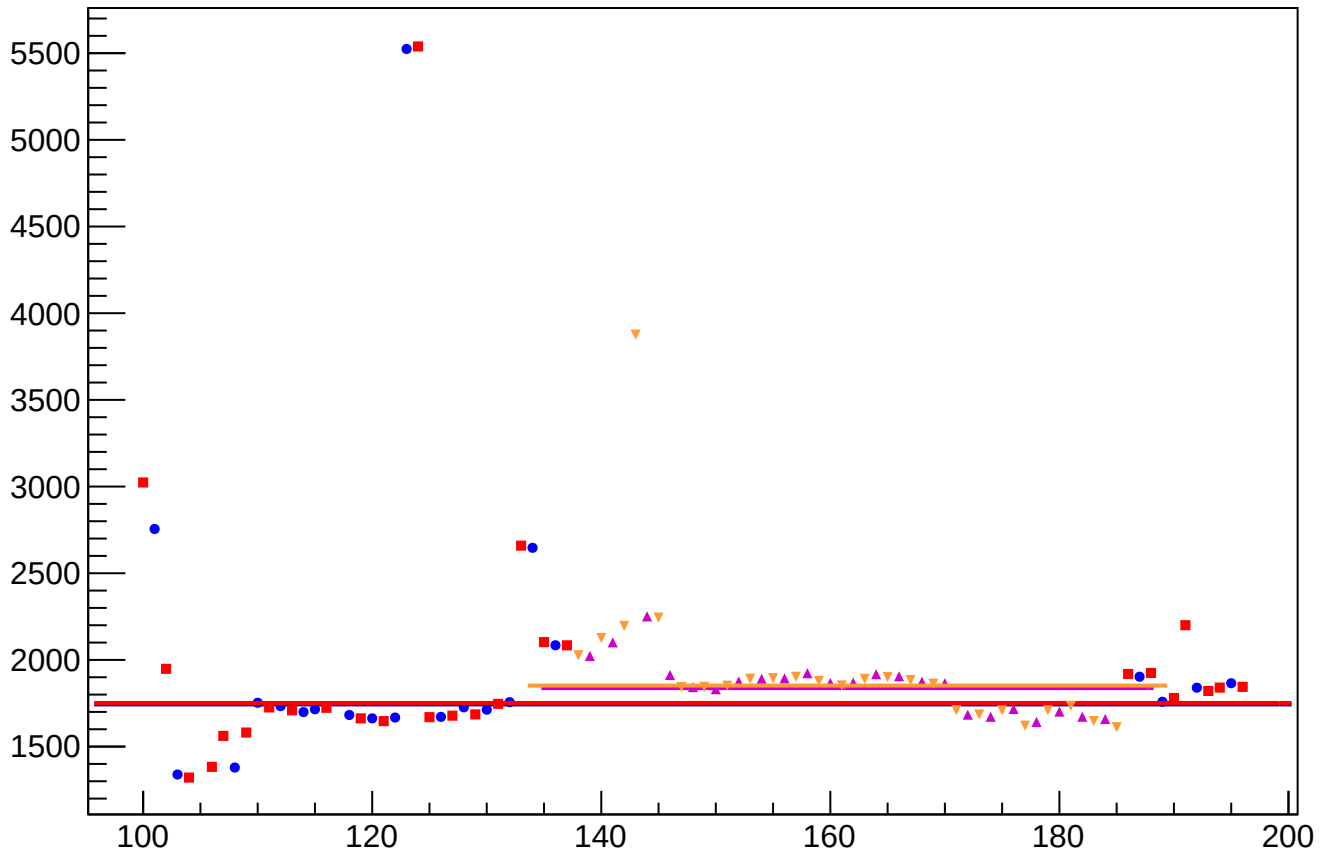
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1686.658 ± 350.770 χ^2/NDF : 56.1/45

All: -443.279 ± 244.203 χ^2/NDF : 171.7/94

- sign -2446.603 ± 340.185 χ^2/NDF : 44.1/48

reg_asym_at2_avg_rms vs Slug



Right In: 1743.233 $\pm$ 0.419 χ^2 /NDF: 450494.4/20

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1751.788 $\pm$ 0.378 χ^2 /NDF: 514880.4/25

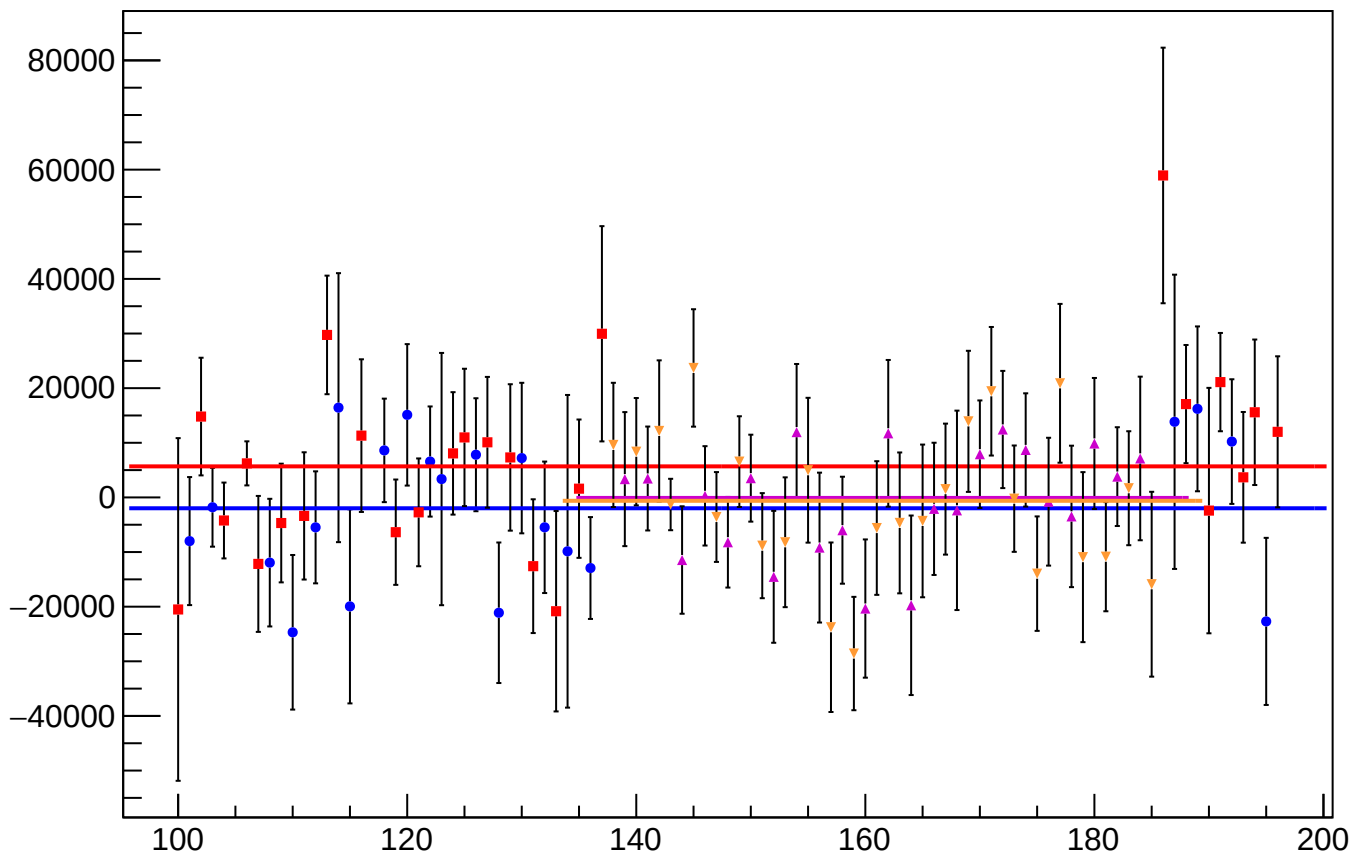
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1813.849 $\pm$ 0.248 χ^2 /NDF: 1143192.9/45

All: 1808.026 $\pm$ 0.173 χ^2 /NDF: 1890011.9/94

- sign 1802.549 $\pm$ 0.241 χ^2 /NDF: 745749.3/48

asym_at2_avg_correction_mean vs Slug



Right In: -1985.920 $\pm$ 2672.618 χ^2/NDF : 18.9/20

Left Out: -619.372 $\pm$ 2069.686 χ^2/NDF : 30.1/24

Right Out: 5683.307 $\pm$ 2055.554 χ^2/NDF : 30.9/25

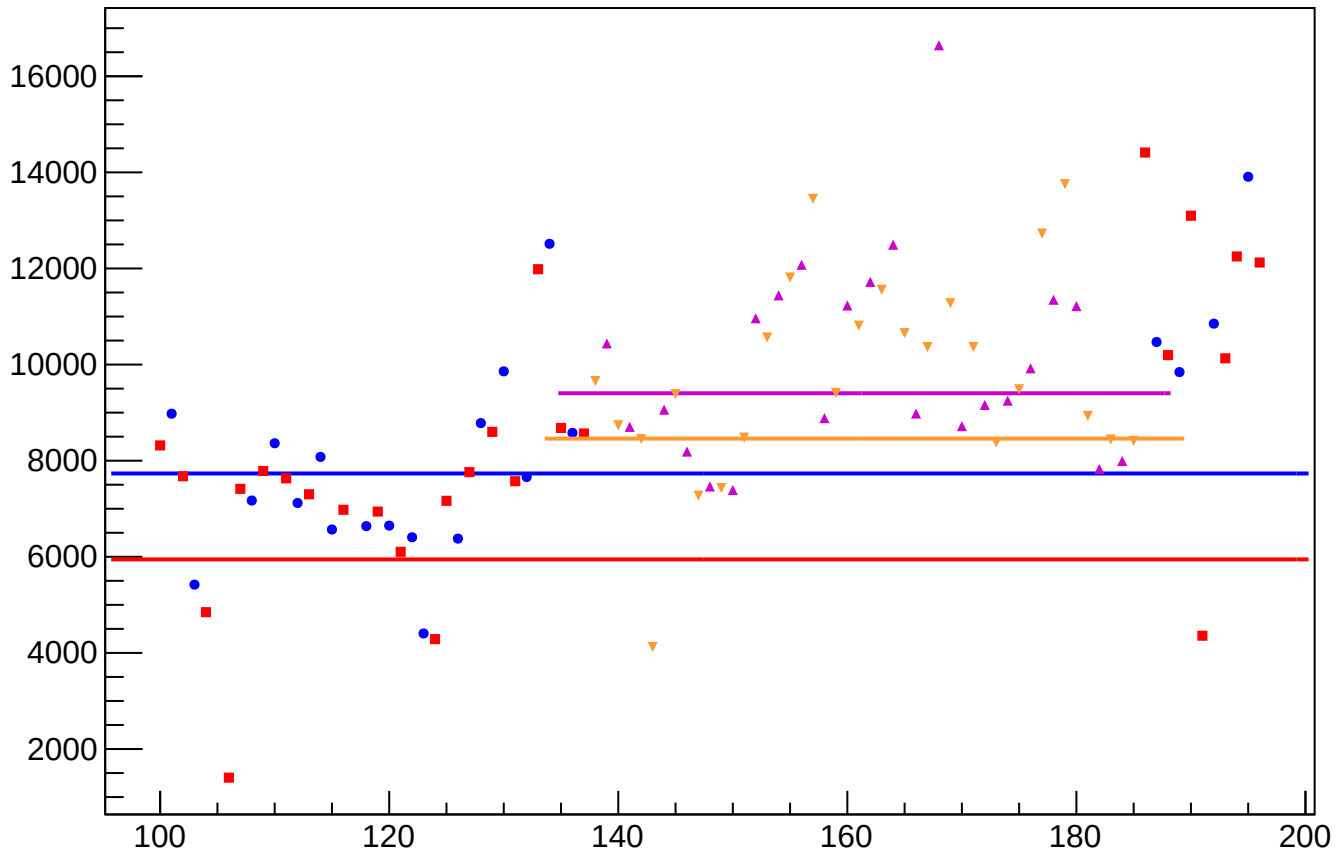
Left In: -93.334 $\pm$ 2293.826 χ^2/NDF : 14.6/22

+ sign -1131.668 $\pm$ 1636.383 χ^2/NDF : 49.2/45

All: 1130.642 $\pm$ 1117.914 χ^2/NDF : 101.8/94

- sign 3110.502 $\pm$ 1530.827 χ^2/NDF : 49.0/48

asym_at2_avg_correction_rms vs Slug



Right In: 7734.059+/-1.890 χ^2/NDF : 1072512.8/20

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 5946.076+/-1.453 χ^2/NDF : 5336408.6/25

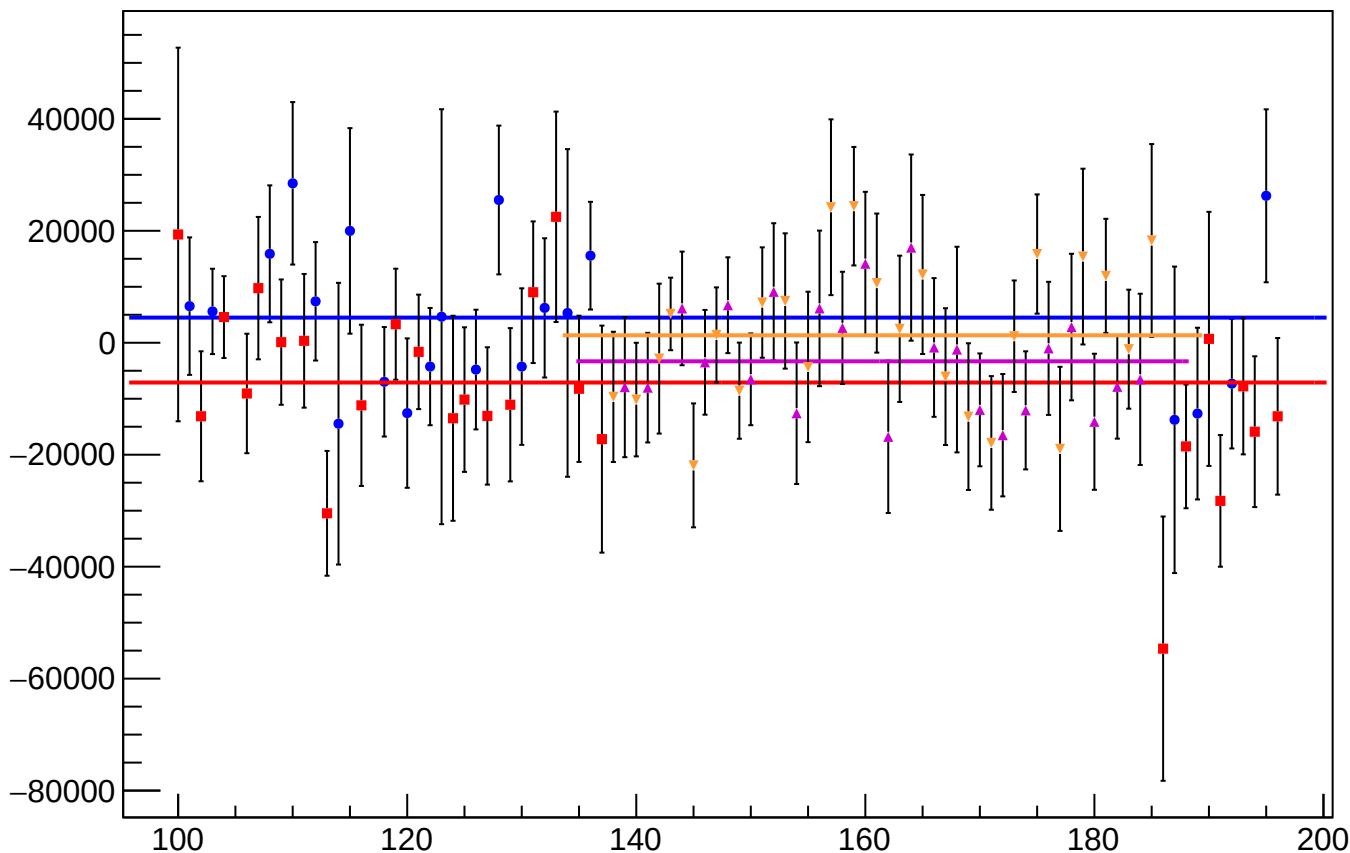
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8187.832+/-1.157 χ^2/NDF : 4251943.2/45

All: 7813.518+/-0.790 χ^2/NDF : 13447252.9/95

- sign 7485.938+/-1.082 χ^2/NDF : 8999079.0/48

asym_at2_avg_mean vs Slug



Right In: 4493.333 ± 2774.747 χ^2/NDF : 18.4/20

Left Out: 1332.828 ± 2213.733 χ^2/NDF : 28.0/24

Right Out: -7101.821 ± 2465.811 χ^2/NDF : 25.9/25

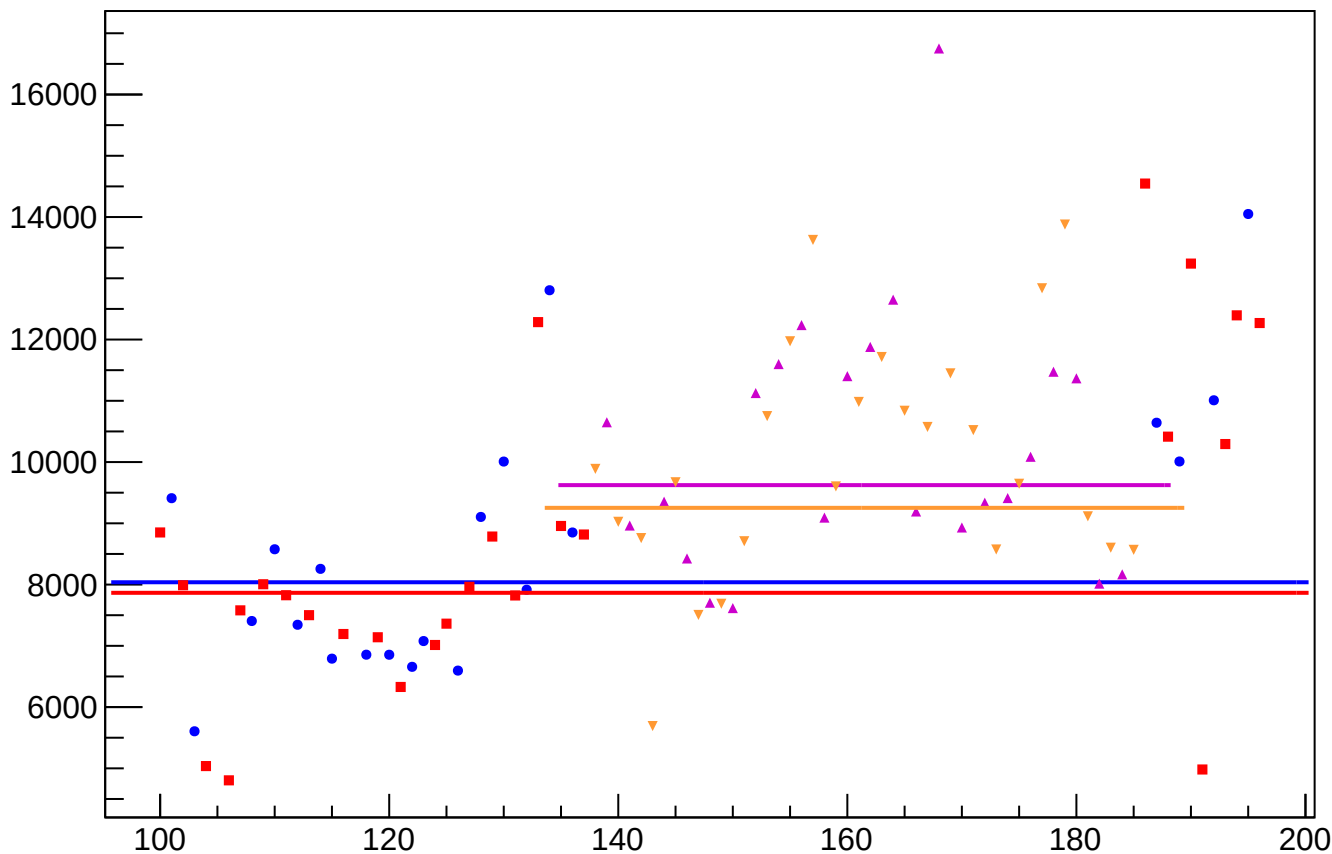
Left In: -3316.909 ± 2344.543 χ^2/NDF : 13.7/22

+ sign 2562.083 ± 1730.479 χ^2/NDF : 47.3/45

All: -1346.197 ± 1212.386 χ^2/NDF : 98.1/94

- sign -5114.009 ± 1699.096 χ^2/NDF : 40.8/48

asym_at2_avg_rms vs Slug



Right In: 8037.863 $\pm$ 1.962 χ^2 /NDF: 978309.7/20

Left Out: 9252.712 $\pm$ 1.565 χ^2 /NDF:1597668.9/24

Right Out: 7865.603 $\pm$ 1.743 χ^2 /NDF: 1679062.2/25

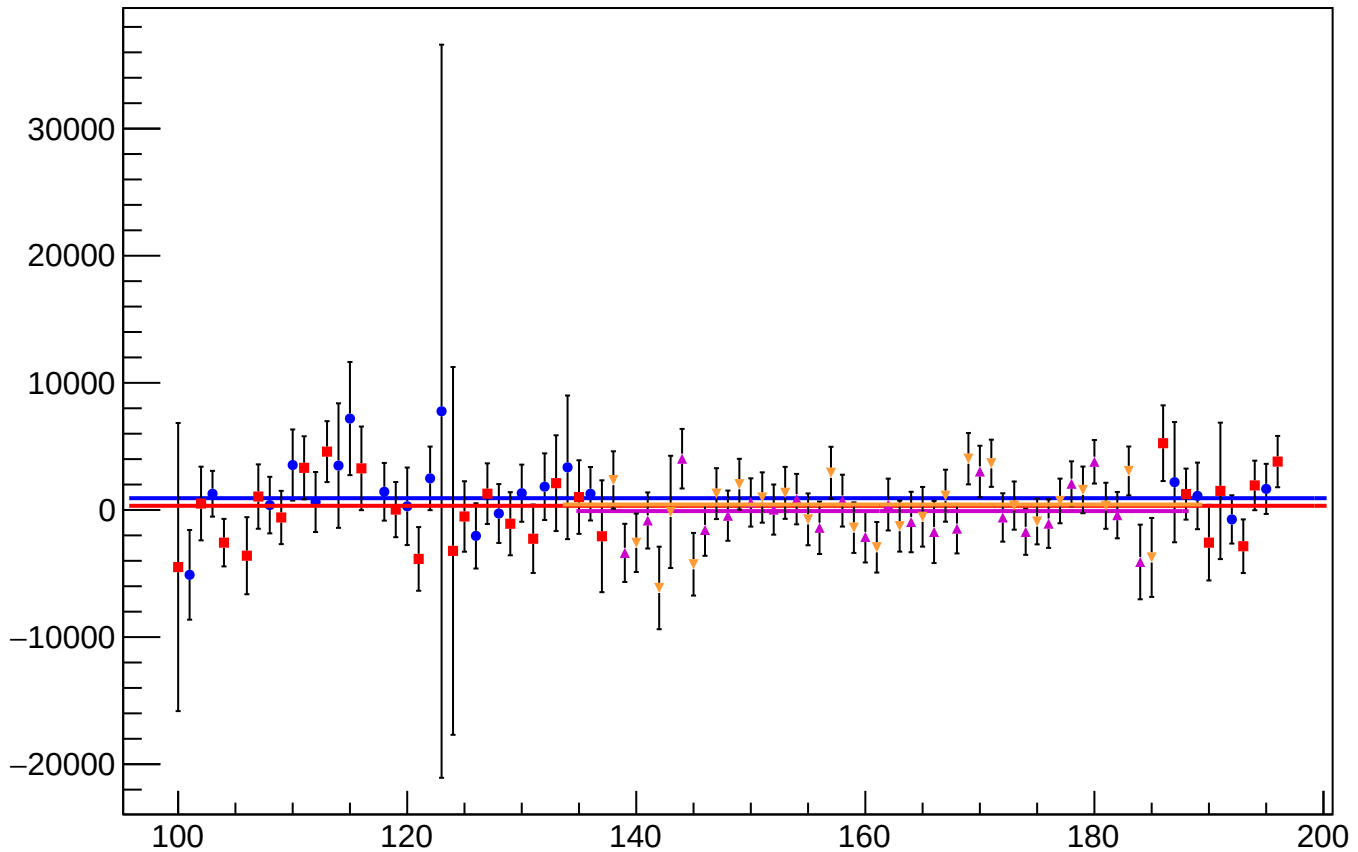
Left In: 9623.485 $\pm$ 1.658 χ^2 /NDF:1069924.0/22

+ sign 8780.192 $\pm$ 1.224 χ^2 /NDF: 2810251.5/45

All: 8784.546 $\pm$ 0.857 χ^2 /NDF: 6093157.9/94

- sign 8788.743 $\pm$ 1.201 χ^2 /NDF: 3282881.5/48

reg_asym_at2_dd_mean vs Slug



Right In: 926.870 ± 566.374 χ^2/NDF : 9.7/20

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 327.717 ± 512.974 χ^2/NDF : 24.8/25

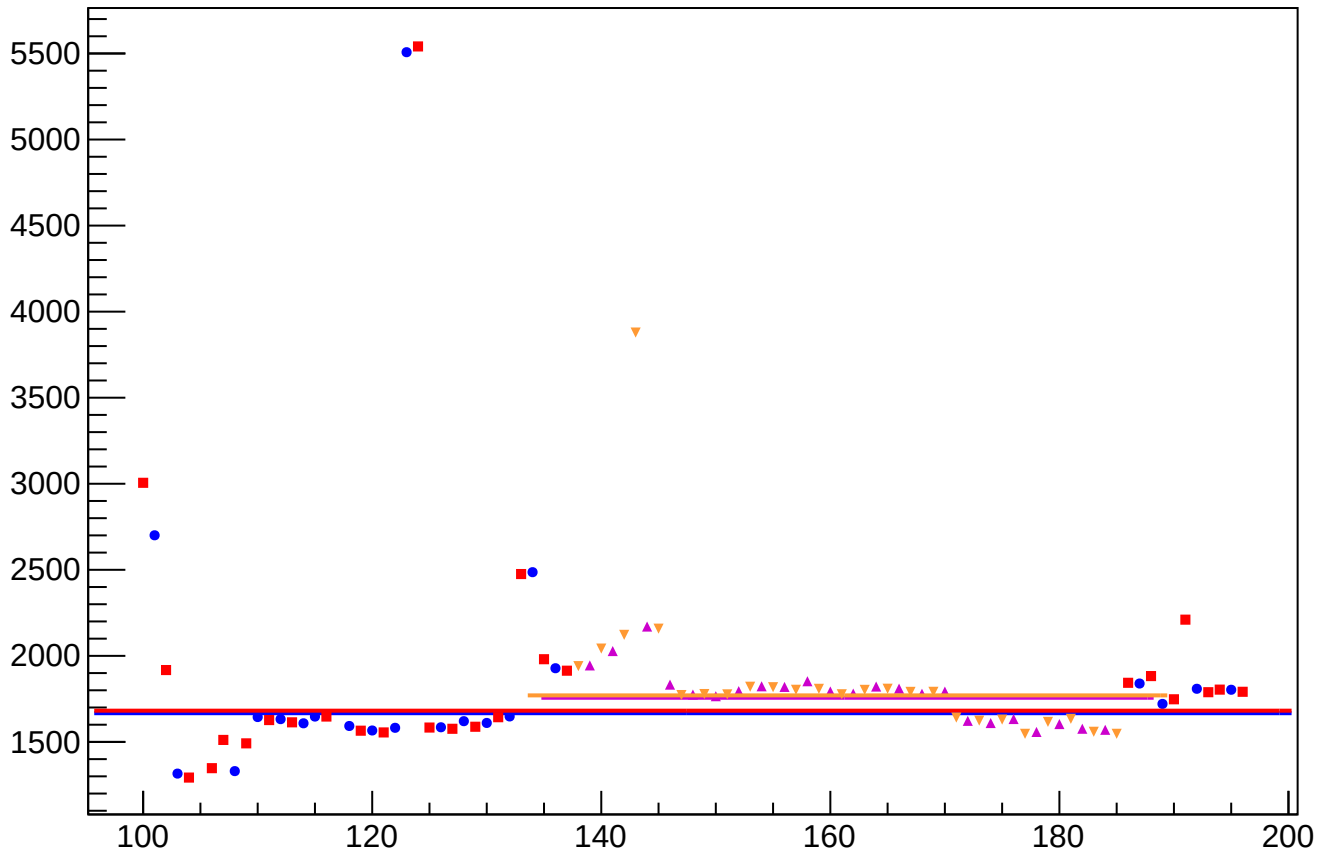
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 603.966 ± 335.476 χ^2/NDF : 38.9/45

All: 334.144 ± 233.749 χ^2/NDF : 86.2/94

- sign 79.546 ± 325.875 χ^2/NDF : 46.1/48

reg_asym_at2_dd_rms vs Slug



Right In: 1666.827 $\pm$ 0.400 χ^2 /NDF: 437763.1/20

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

+ sign 1734.051 $\pm$ 0.237 χ^2 /NDF: 1180703.9/45

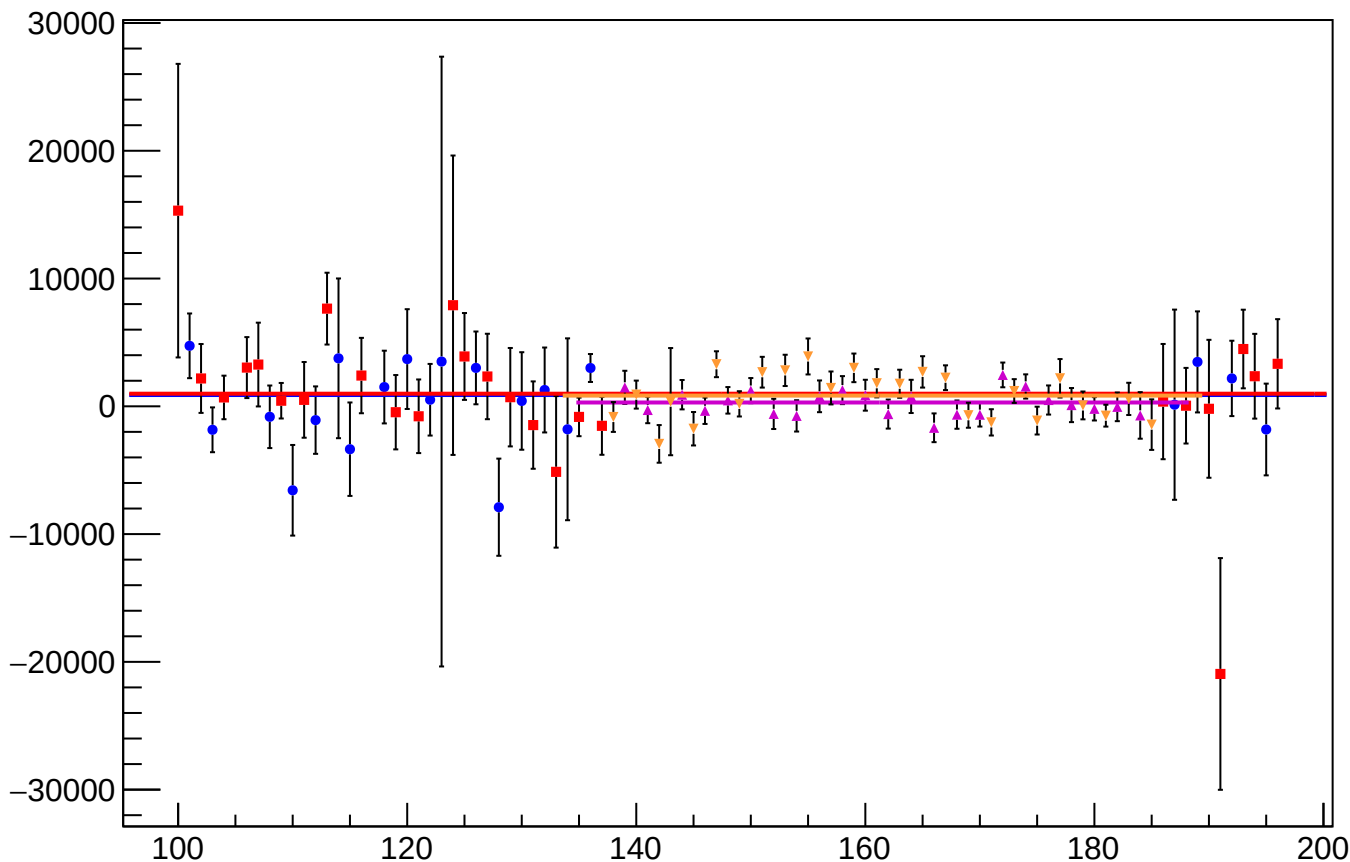
Right Out: 1681.587 $\pm$ 0.363 χ^2 /NDF: 523357.3/25

All: 1730.084 $\pm$ 0.165 χ^2 /NDF: 1953206.3/94

- sign 1726.341 $\pm$ 0.230 χ^2 /NDF: 771958.8/48

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

asym_at2_dd_correction_mean vs Slug



Right In: 883.362 $\pm$ 600.623 χ^2 /NDF: 23.3/20

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

Right Out: 986.838 $\pm$ 545.837 χ^2 /NDF: 23.1/25

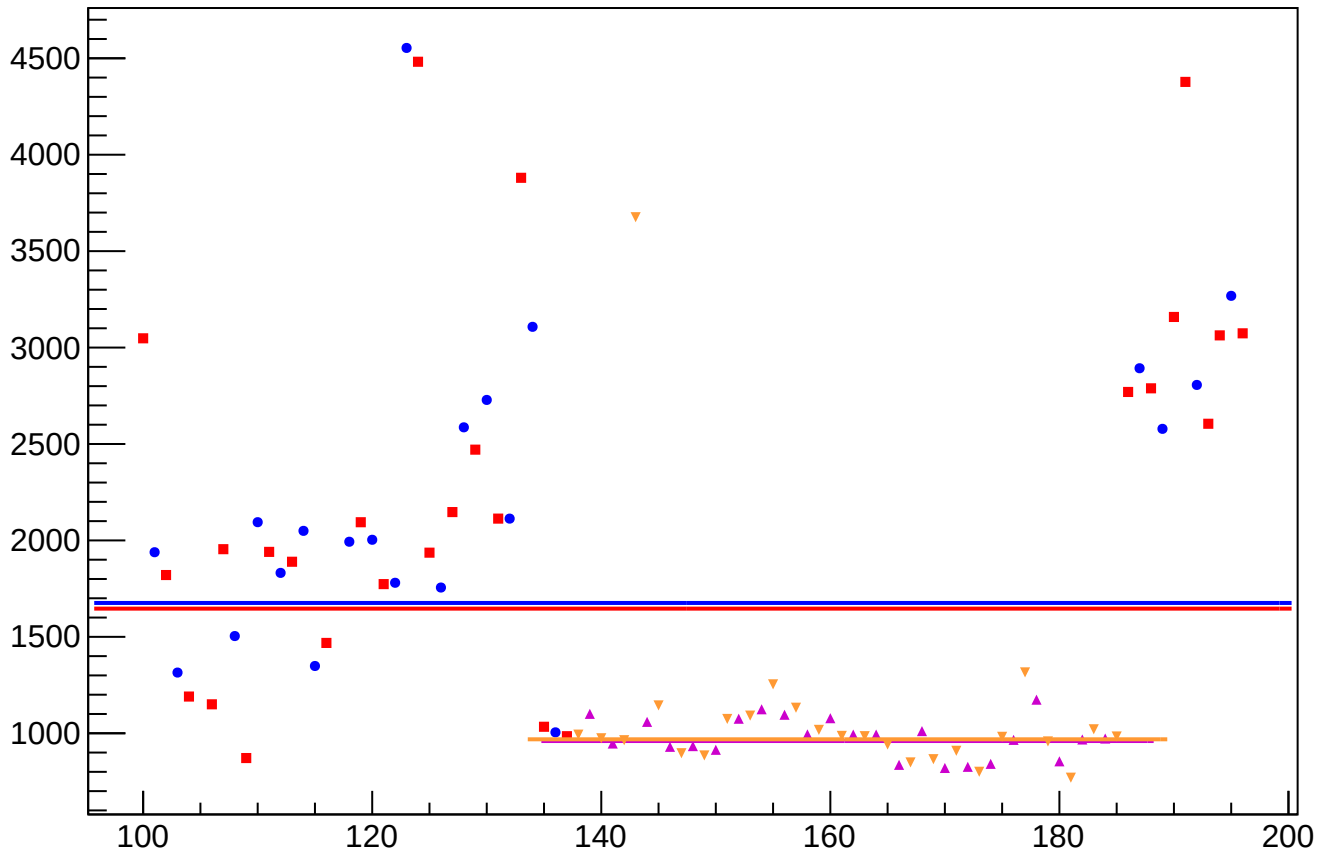
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 844.993 $\pm$ 215.169 χ^2 /NDF: 77.7/45

All: 622.117 $\pm$ 151.391 χ^2 /NDF: 122.6/94

- sign 403.618 $\pm$ 213.046 χ^2 /NDF: 42.8/48

asym_at2_dd_correction_rms vs Slug



Right In: 1675.736 $\pm$ 0.425 χ^2 /NDF: 2227413.5/20

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

Right Out: 1646.352 $\pm$ 0.386 χ^2 /NDF: 3742552.7/25

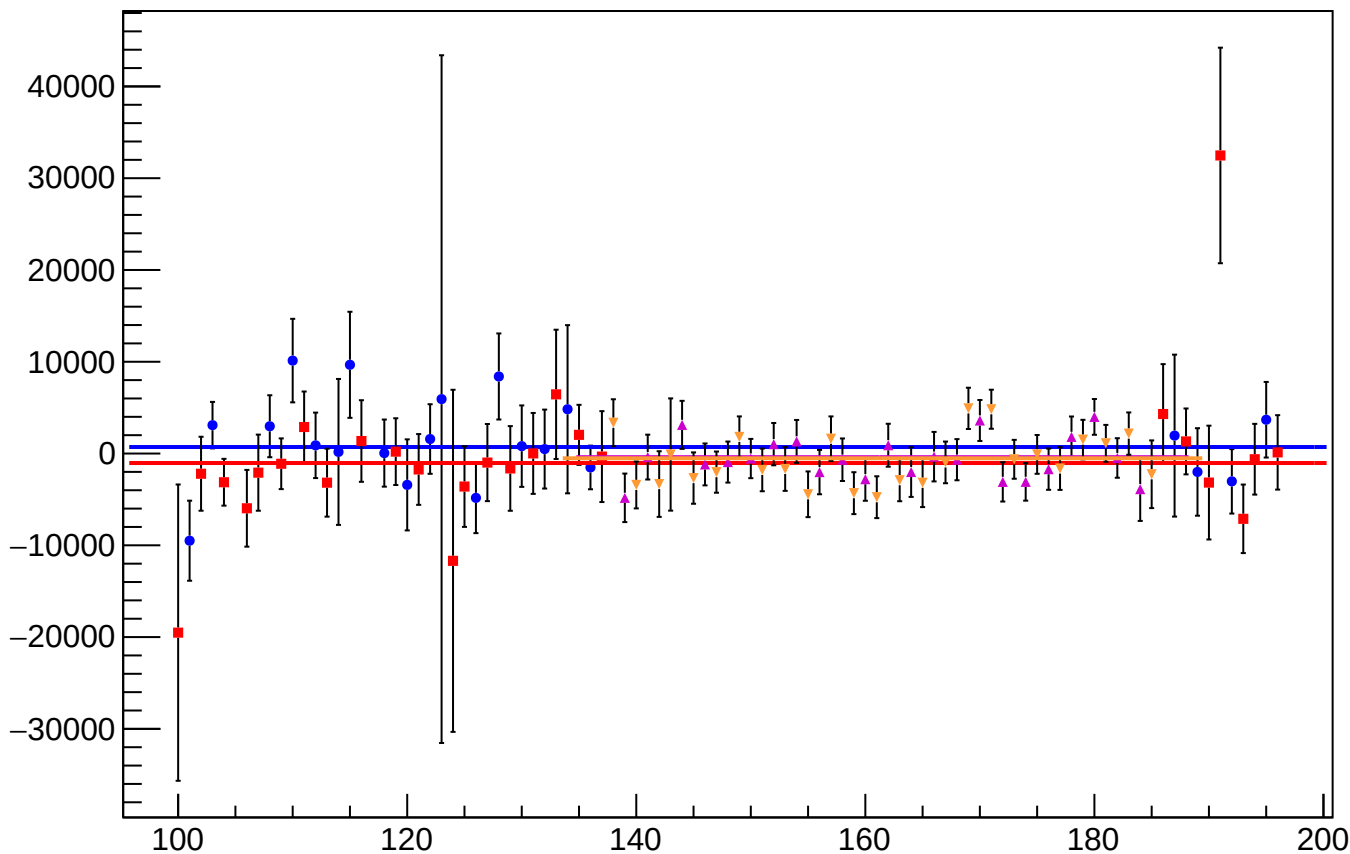
Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

+ sign 1059.450 $\pm$ 0.152 χ^2 /NDF: 6036809.2/45

All: 1061.947 $\pm$ 0.107 χ^2 /NDF: 12833150.6/9

- sign 1064.395 $\pm$ 0.151 χ^2 /NDF: 6795808.1/48

asym_at2_dd_mean vs Slug



Right In: 710.033 ± 891.394 $\chi^2/\text{NDF}: 22.2/20$

Left Out: -517.719 ± 481.486 $\chi^2/\text{NDF}: 34.0/24$

Right Out: -1033.330 ± 814.417 $\chi^2/\text{NDF}: 20.5/25$

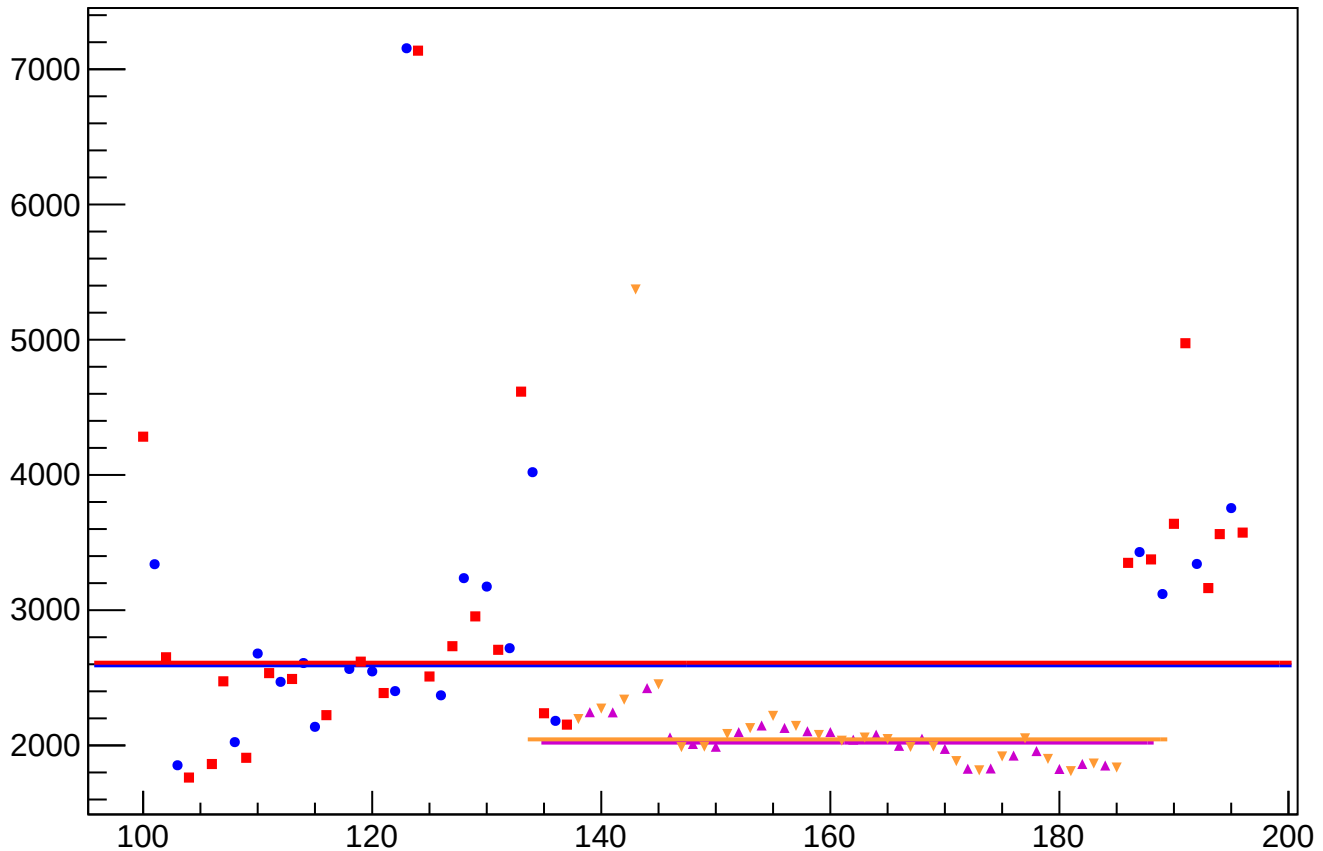
Left In: -397.398 ± 485.048 $\chi^2/\text{NDF}: 21.8/22$

+ sign -240.415 ± 423.636 $\chi^2/\text{NDF}: 57.7/45$

All: -404.817 ± 297.086 $\chi^2/\text{NDF}: 100.7/94$

- sign -563.908 ± 416.736 $\chi^2/\text{NDF}: 42.8/48$

asym_at2_dd_rms vs Slug



Right In: 2592.314+/-0.630 χ^2/NDF : 818221.6/20

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

Right Out: 2611.628+/-0.576 χ^2/NDF : 1343577.5/25

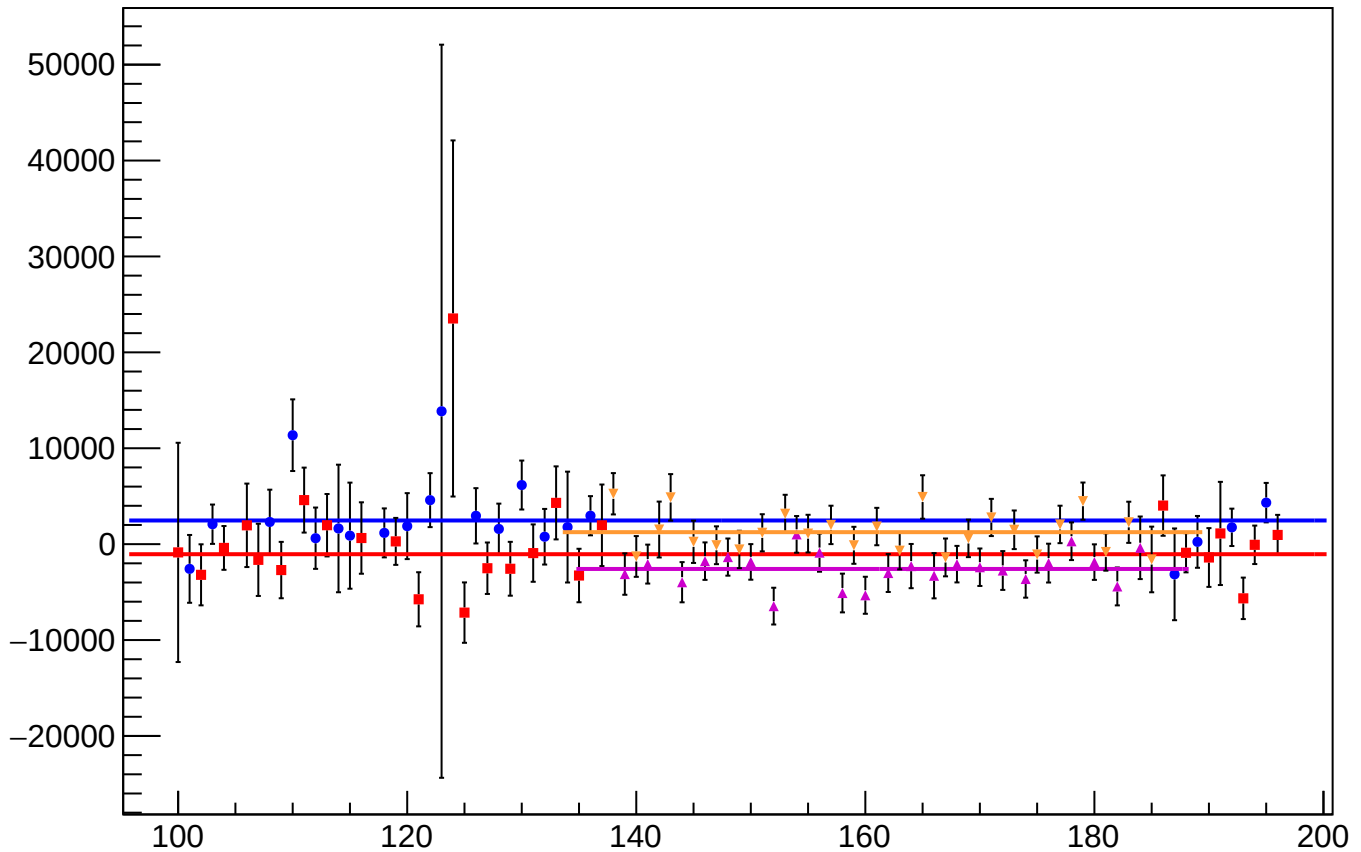
Left In: 2020.802+/-0.343 χ^2/NDF : 173502.0/22

+ sign 2168.404+/-0.300 χ^2/NDF : 2191207.7/45

All: 2172.011+/-0.210 χ^2/NDF : 4485556.7/94

- sign 2175.502+/-0.295 χ^2/NDF : 2294063.7/48

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2467.708 ± 634.846 χ^2/NDF : 14.8/20

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

Right Out: -1048.488 ± 578.306 χ^2/NDF : 25.9/25

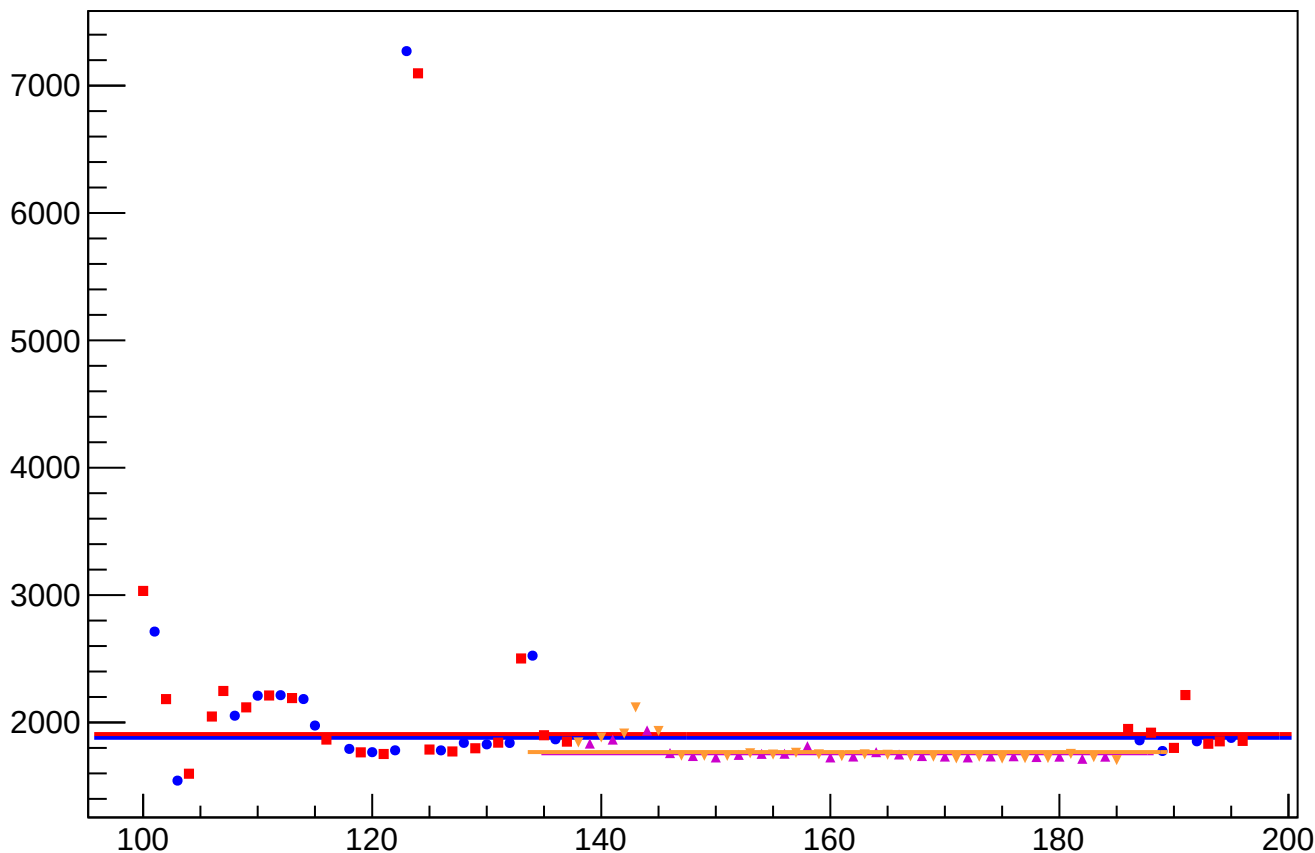
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1611.414 ± 345.887 χ^2/NDF : 40.4/45

All: -248.939 ± 242.699 χ^2/NDF : 145.4/94

- sign -2053.188 ± 340.631 χ^2/NDF : 48.0/48

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1879.791+/-0.449 χ^2/NDF : 291696.0/20

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1908.908+/-0.409 χ^2/NDF : 376580.3/25

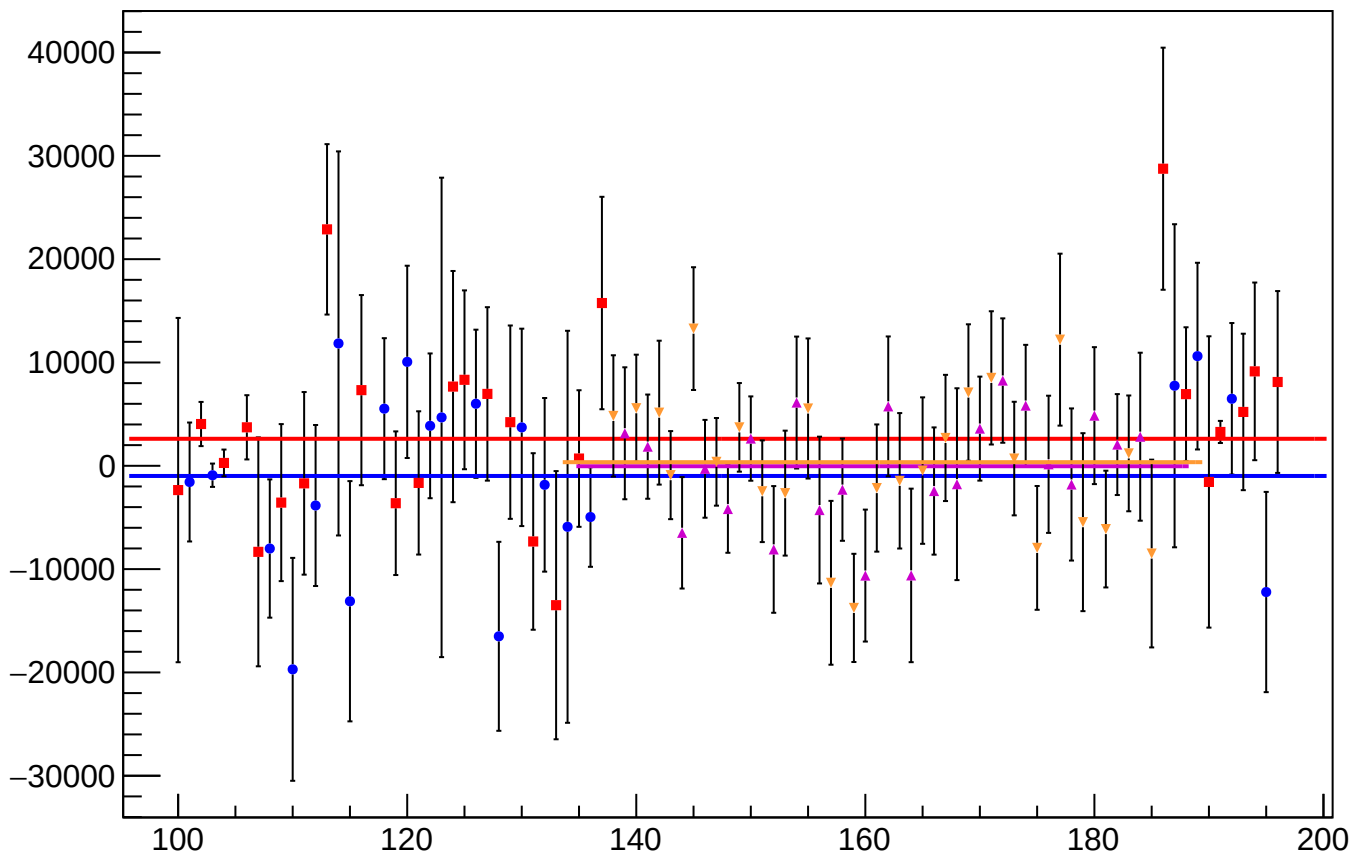
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1800.845+/-0.245 χ^2/NDF : 413356.1/45

All: 1805.733+/-0.172 χ^2/NDF : 909489.6/94

- sign 1810.471+/-0.241 χ^2/NDF : 495346.9/48

asym_atl1r2_avg_correction_mean vs Slug



Right In: -983.864 ± 964.153 $\chi^2/\text{NDF}: 17.9/20$

Left Out: 351.227 ± 1170.051 $\chi^2/\text{NDF}: 27.8/24$

Right Out: 2614.788 ± 693.334 $\chi^2/\text{NDF}: 25.8/25$

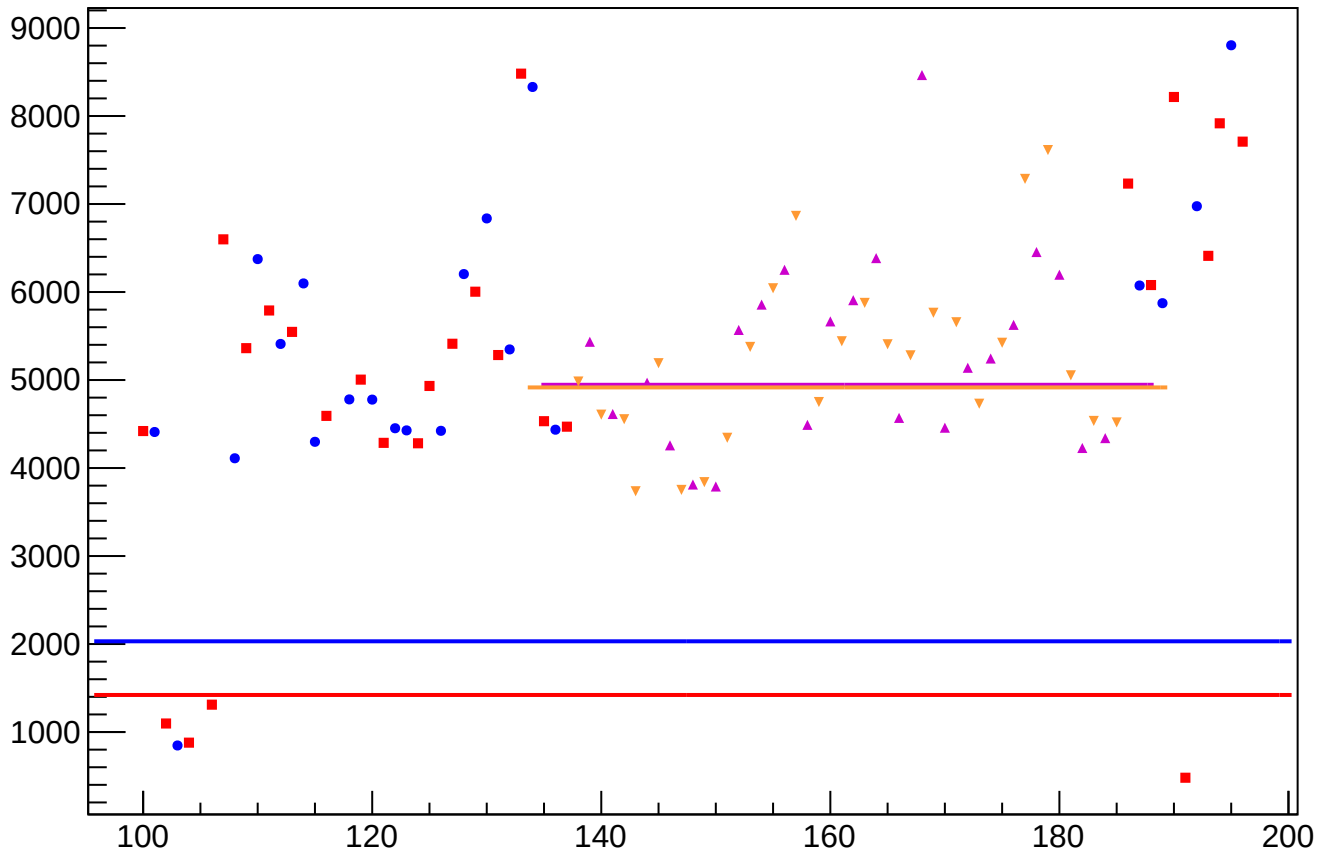
Left In: -40.618 ± 1207.491 $\chi^2/\text{NDF}: 16.0/22$

+ sign -443.934 ± 744.077 $\chi^2/\text{NDF}: 46.5/45$

All: 1008.185 ± 467.663 $\chi^2/\text{NDF}: 98.2/94$

- sign 1956.381 ± 601.265 $\chi^2/\text{NDF}: 45.5/48$

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2031.101+/-0.682 χ^2/NDF : 8920671.1/20

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

Right Out: 1421.227+/-0.490 χ^2/NDF : 13117302.6/25

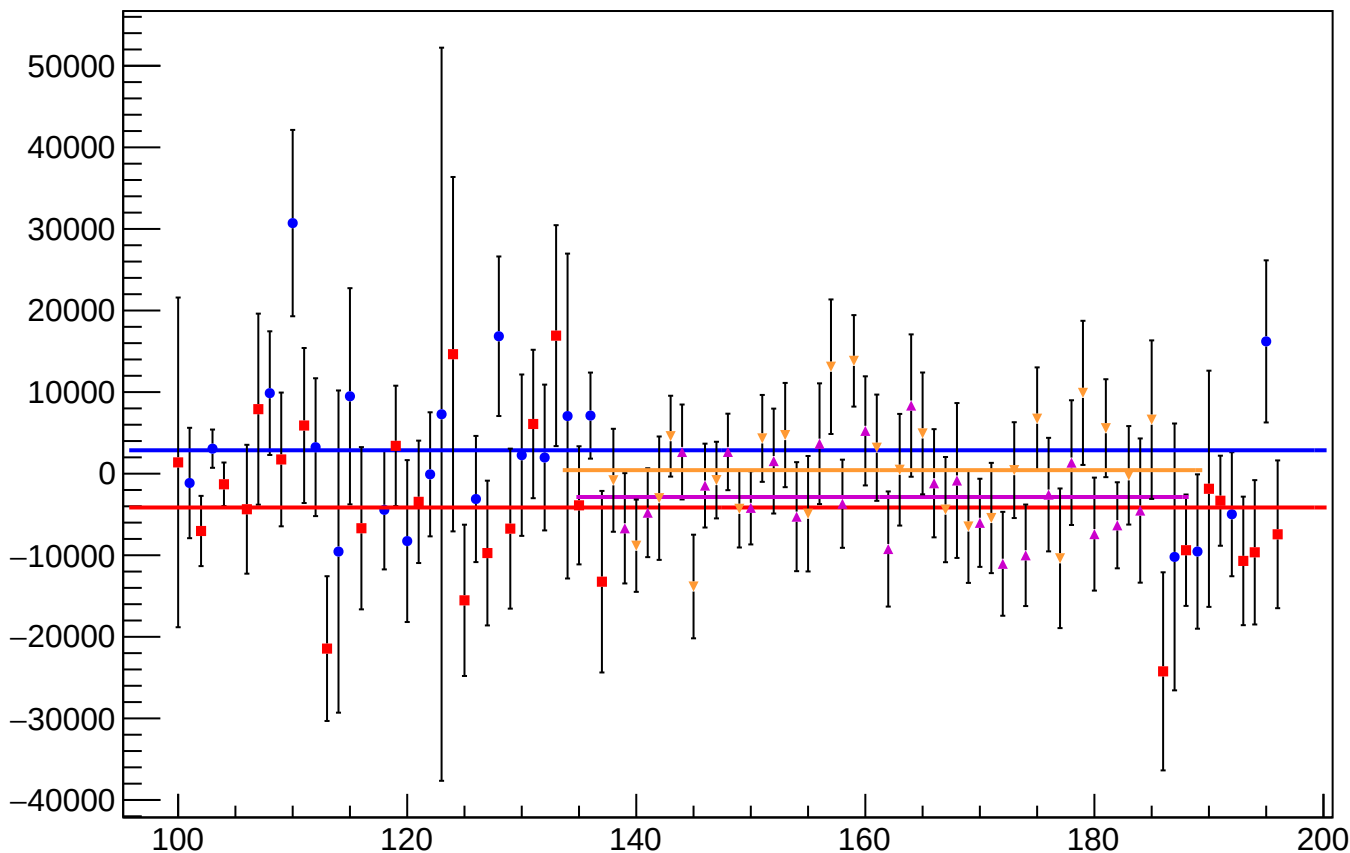
Left In: 4945.817+/-0.854 χ^2/NDF : 1188288.6/22

+ sign 3197.740+/-0.526 χ^2/NDF : 17347929.5/45

All: 2651.699+/-0.331 χ^2/NDF : 46249106.9/9

- sign 2295.149+/-0.425 χ^2/NDF : 27120808.0/48

asym_atl1r2_avg_mean vs Slug



Right In: 2867.202+/-1527.690 χ^2/NDF : 18.8/20

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -4144.768+/-1423.290 χ^2/NDF : 20.9/25

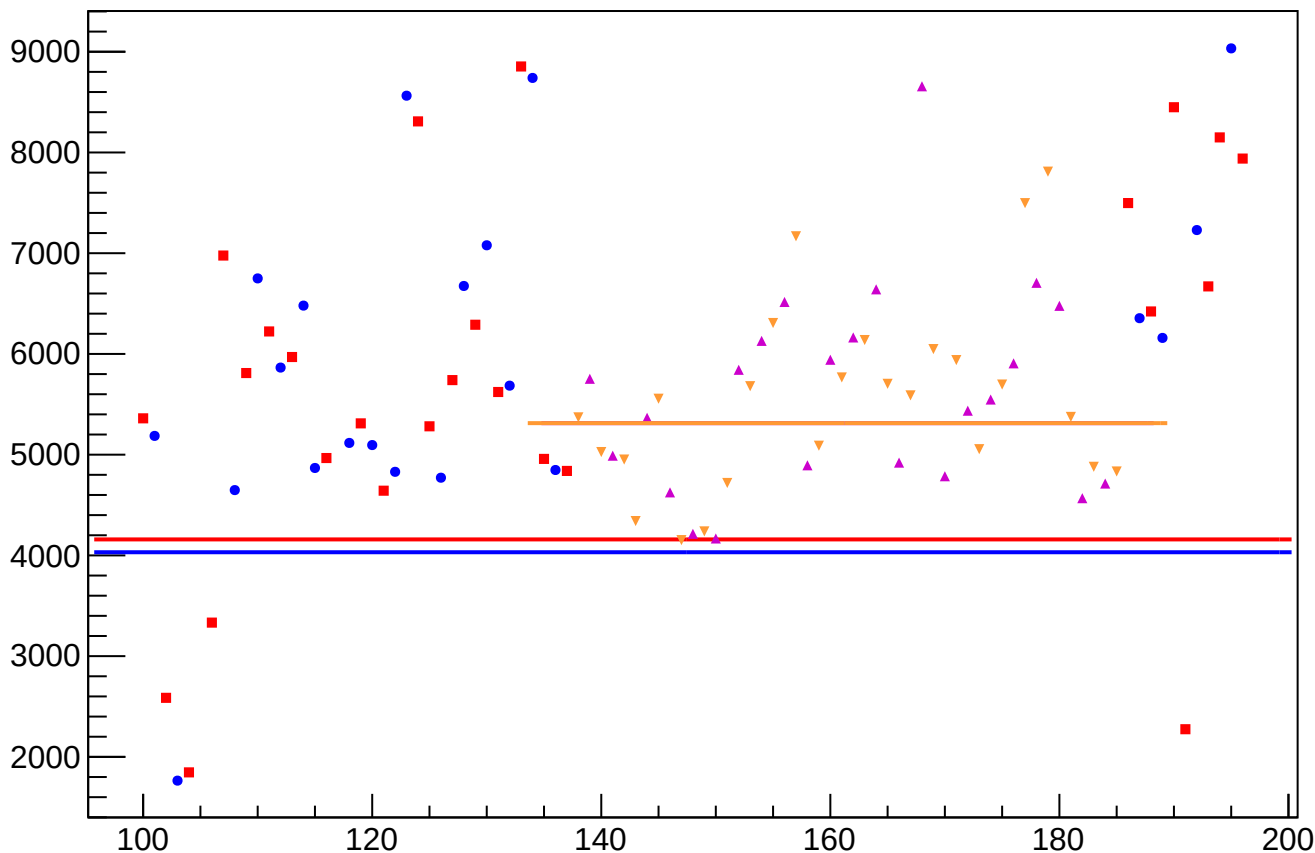
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 1415.607+/-971.244 χ^2/NDF : 47.4/45

All: -1049.003+/-681.599 χ^2/NDF : 94.4/94

- sign -3440.707+/-956.771 χ^2/NDF : 34.2/48

asym_atl1r2_avg_rms vs Slug



Right In: 4031.382+/-1.080 χ^2/NDF : 3881978.9/20

Left Out: 5313.008+/-0.890 χ^2/NDF : 894369.8/24

Right Out: 4158.749+/-1.001 χ^2/NDF : 4573930.7/25

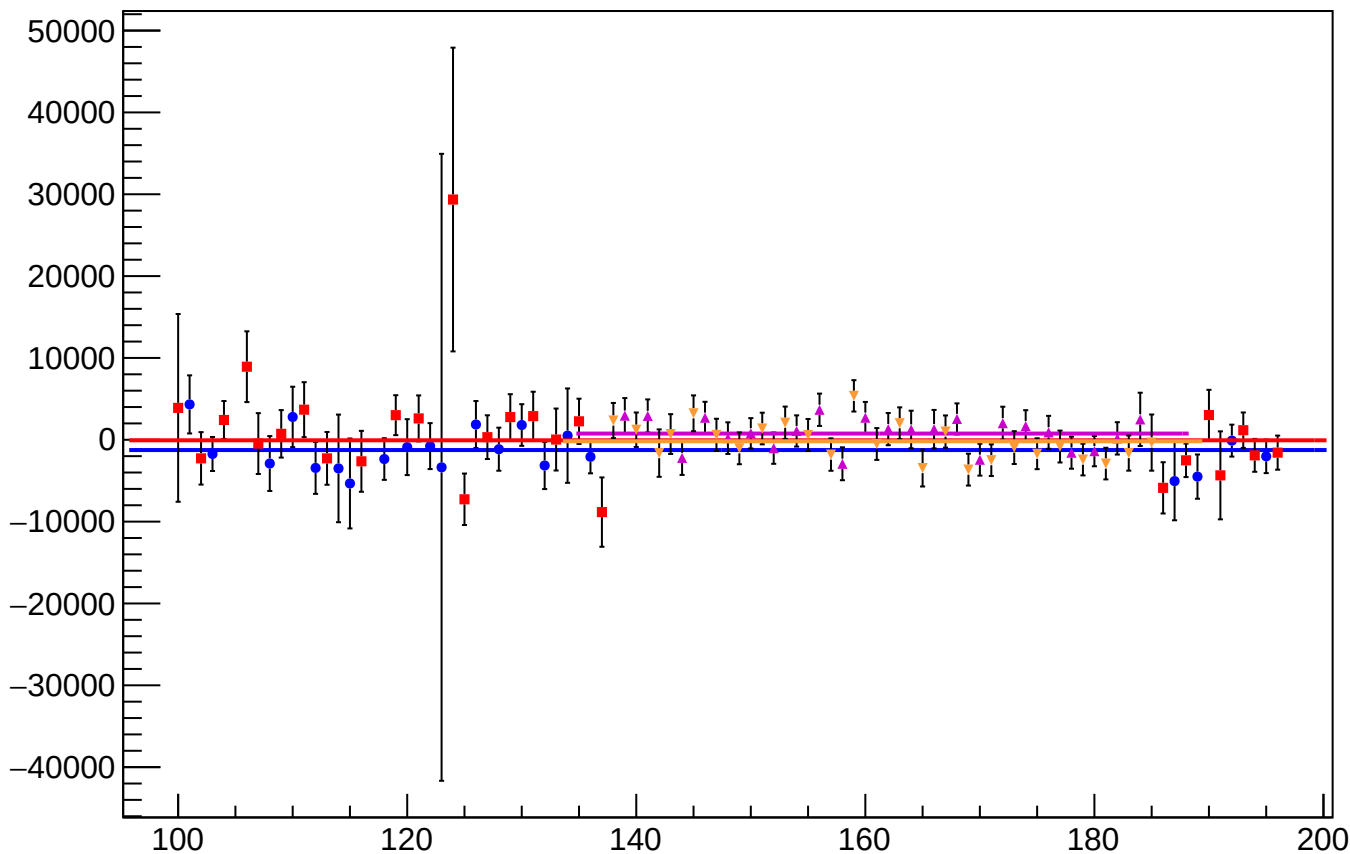
Left In: 5312.861+/-0.914 χ^2/NDF : 957400.7/22

+ sign 4794.986+/-0.687 χ^2/NDF : 5615015.7/45

All: 4791.603+/-0.481 χ^2/NDF : 11871330.3/9

- sign 4788.335+/-0.675 χ^2/NDF : 6256266.9/48

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1254.370 ± 633.366 χ^2/NDF : 11.2/20

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

Right Out: -62.883 ± 577.355 χ^2/NDF : 33.8/25

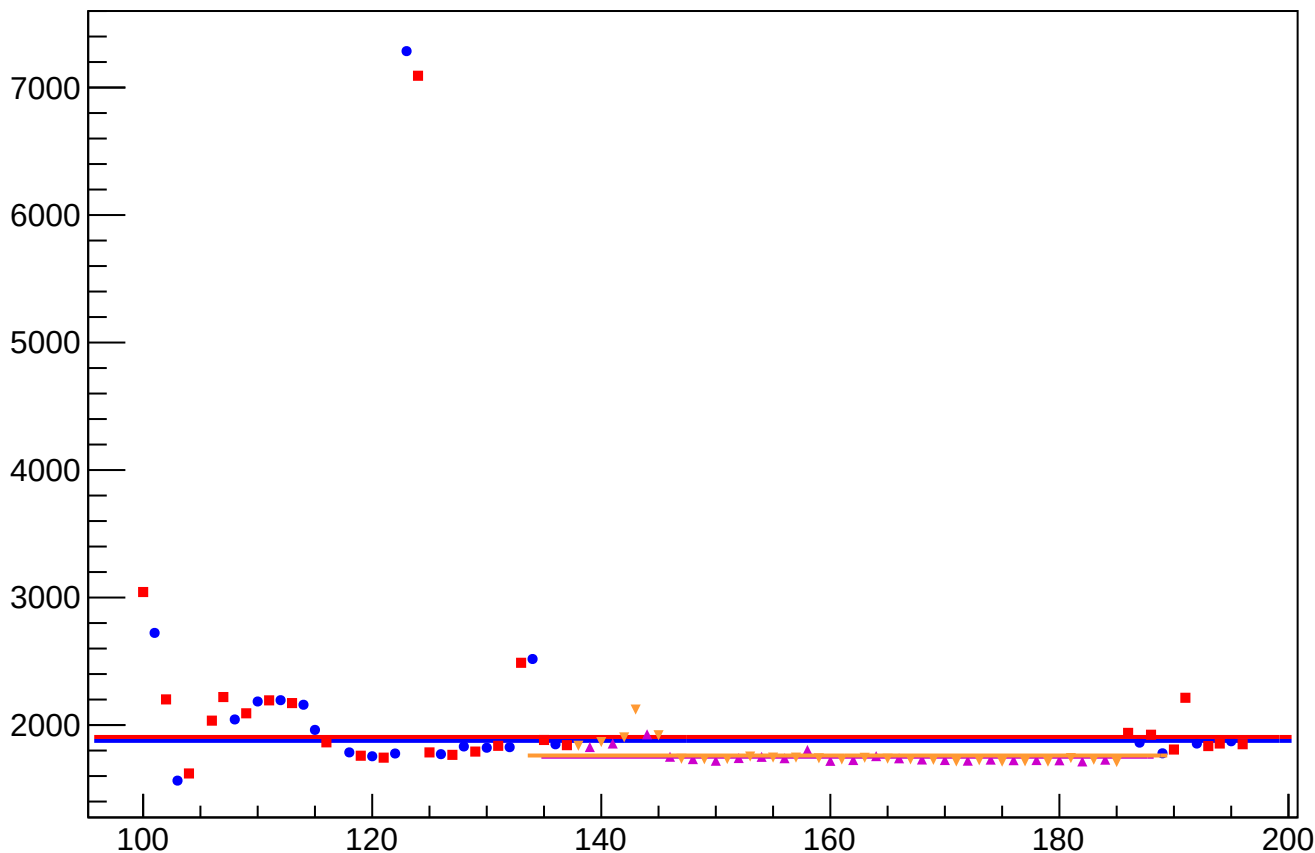
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -498.180 ± 344.757 χ^2/NDF : 42.5/45

All: -4.162 ± 241.932 χ^2/NDF : 102.0/94

- sign 475.156 ± 339.589 χ^2/NDF : 55.4/48

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1875.900+/-0.448 χ^2/NDF : 282466.2/20

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

Right Out: 1906.571+/-0.408 χ^2/NDF : 364703.2/25

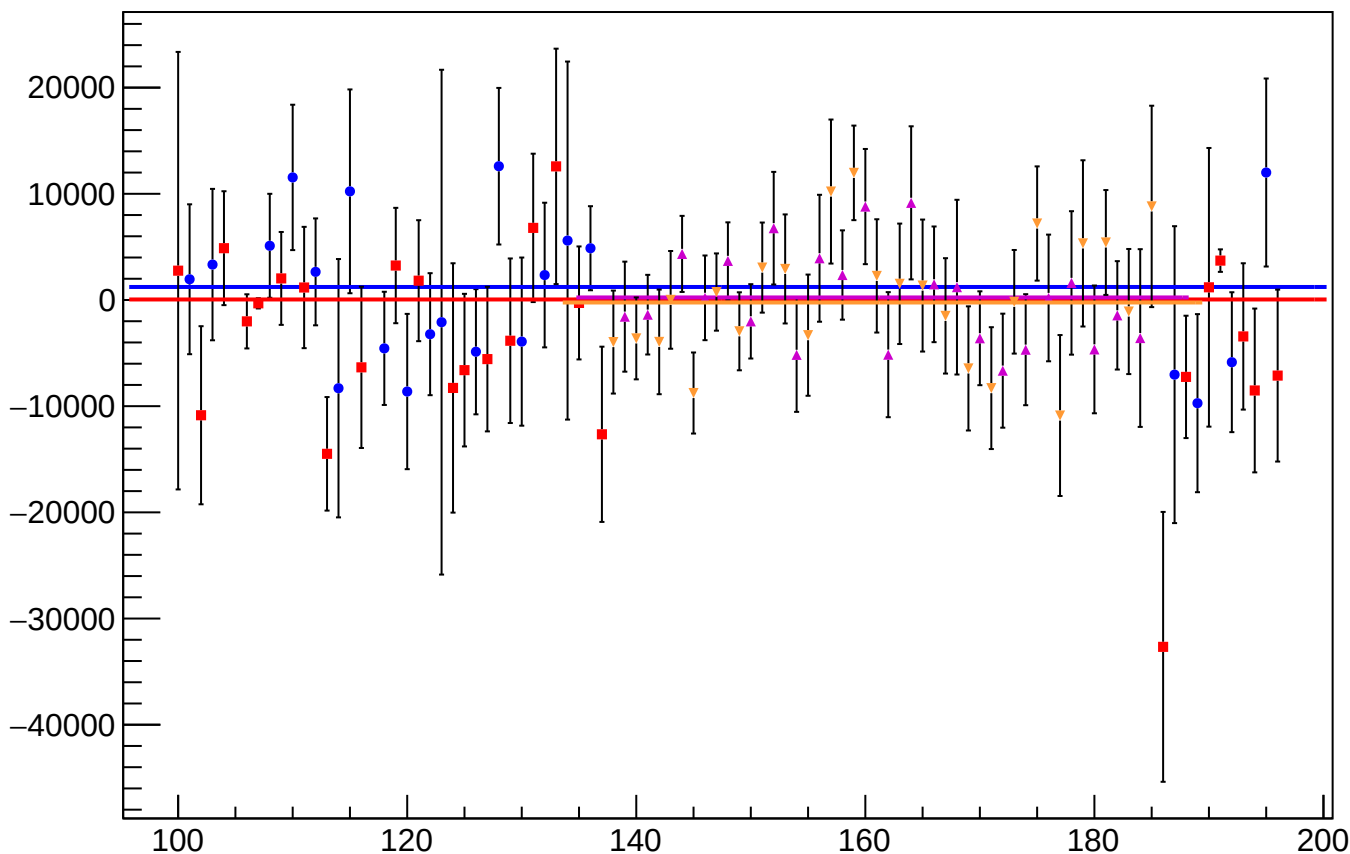
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1795.108+/-0.244 χ^2/NDF : 406179.9/45

All: 1800.212+/-0.171 χ^2/NDF : 894908.8/94

- sign 1805.161+/-0.240 χ^2/NDF : 487865.4/48

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1225.234+/-1485.716 χ^2/NDF : 17.7/20

Left Out: -235.806+/-1005.144 χ^2/NDF : 28.9/24

Right Out: 48.515+/-413.721 χ^2/NDF : 41.8/25

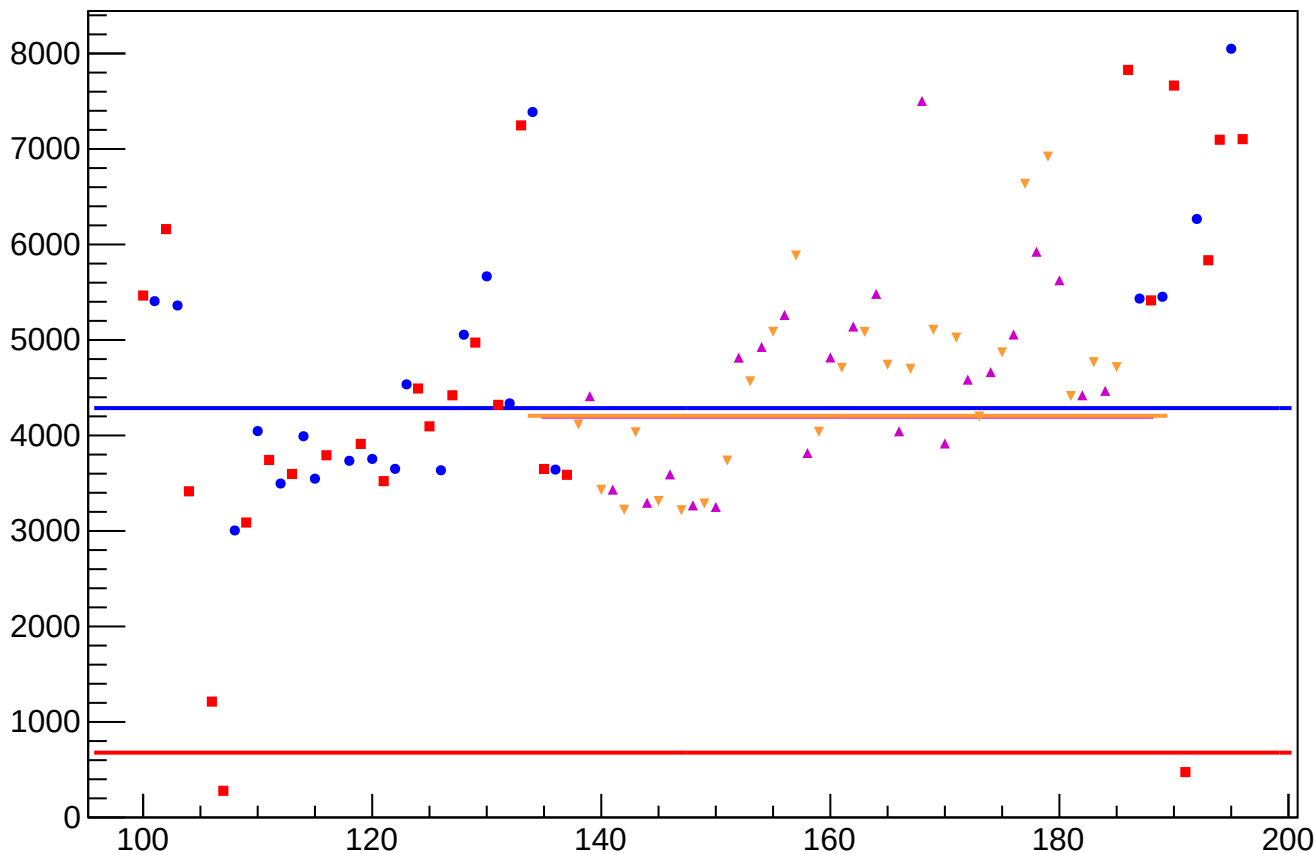
Left In: 239.224+/-1028.883 χ^2/NDF : 15.3/22

+ sign 222.946+/-832.518 χ^2/NDF : 47.2/45

All: 100.986+/-348.583 χ^2/NDF : 104.4/94

- sign 75.059+/-383.851 χ^2/NDF : 57.2/48

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4286.634+/-1.051 χ^2 /NDF: 1176100.4/20

Left Out: 4206.076+/-0.711 χ^2 /NDF:1442269.3/24

Right Out: 678.843+/-0.293 χ^2 /NDF: 16655229.6/25

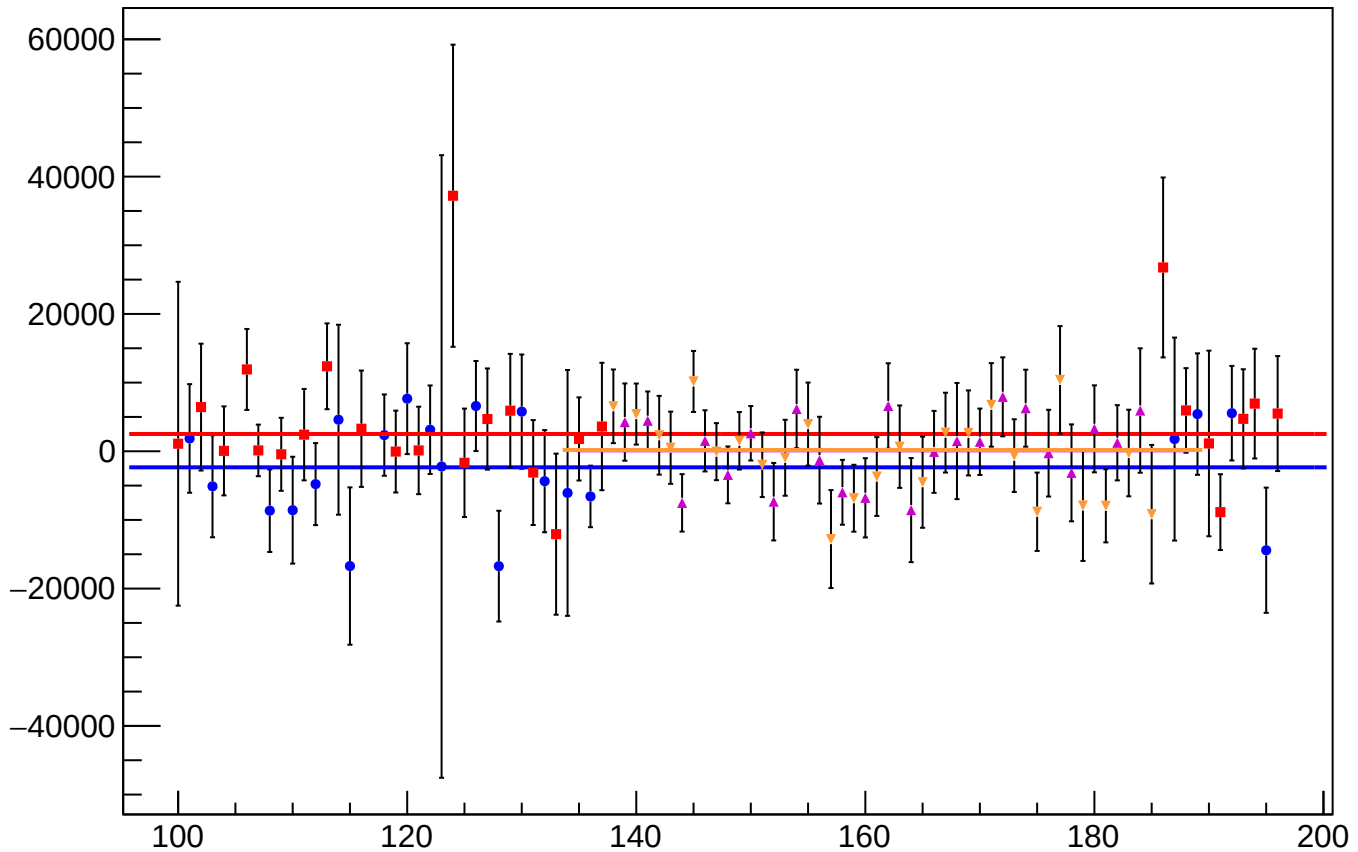
Left In: 4197.267+/-0.728 χ^2 /NDF:1471012.9/22

+ sign 4231.371+/-0.589 χ^2 /NDF: 2622403.5/45

All: 1705.521+/-0.246 χ^2 /NDF: 63205405.0/9

- sign 1168.556+/-0.271 χ^2 /NDF: 38259037.2/48

asym_atl1r2_dd_mean vs Slug



Right In: -2339.410 ± 1661.778 χ^2/NDF : 18.0/20

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

Right Out: 2517.258 ± 1385.195 χ^2/NDF : 20.1/25

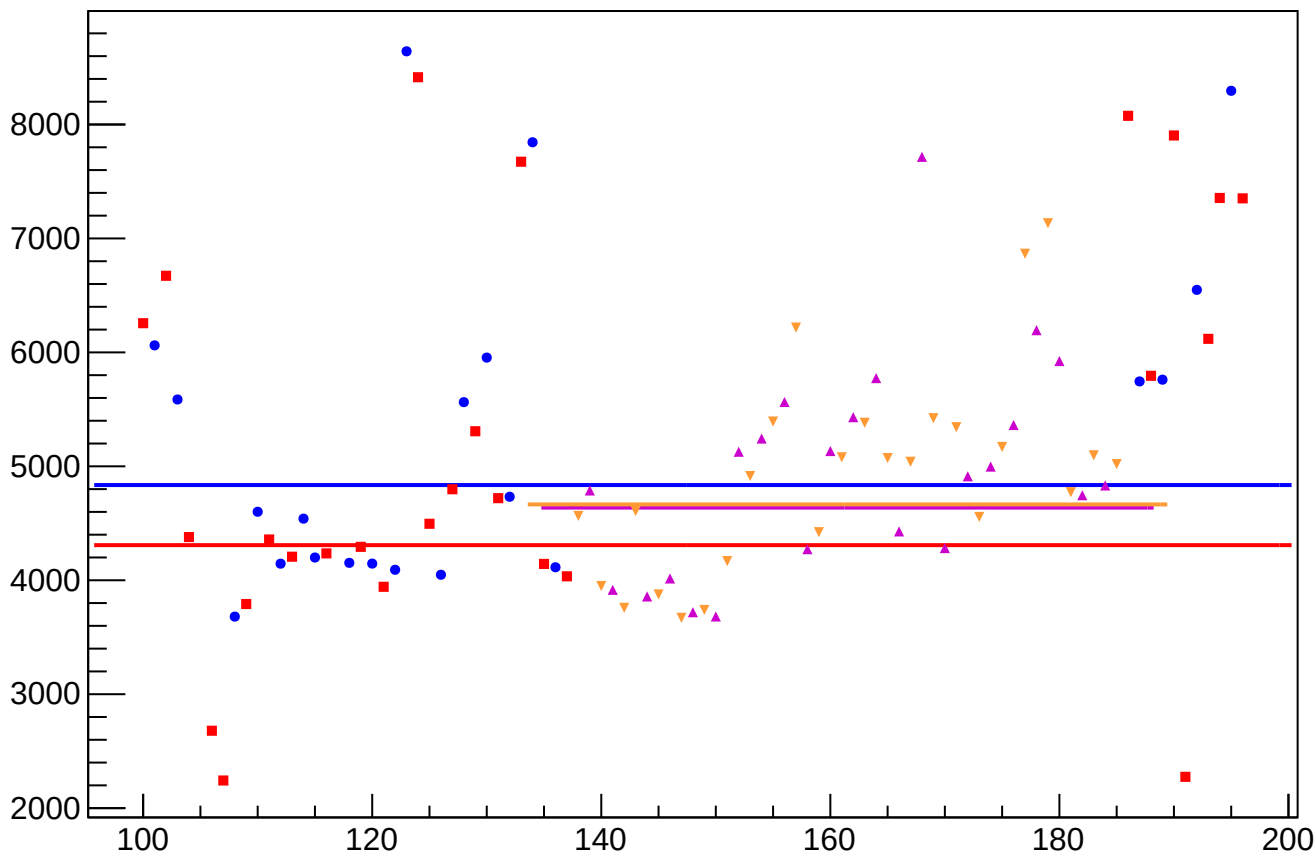
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -587.500 ± 921.212 χ^2/NDF : 44.5/45

All: 292.915 ± 634.596 χ^2/NDF : 86.7/94

- sign 1088.025 ± 875.446 χ^2/NDF : 40.4/48

asym_atl1r2_dd_rms vs Slug



Right In: 4835.622+/-1.175 χ^2/NDF : 890983.1/20

Left Out: 4665.620+/-0.783 χ^2/NDF :1017235.0/24

Right Out: 4308.184+/-0.975 χ^2/NDF : 2613643.5/25

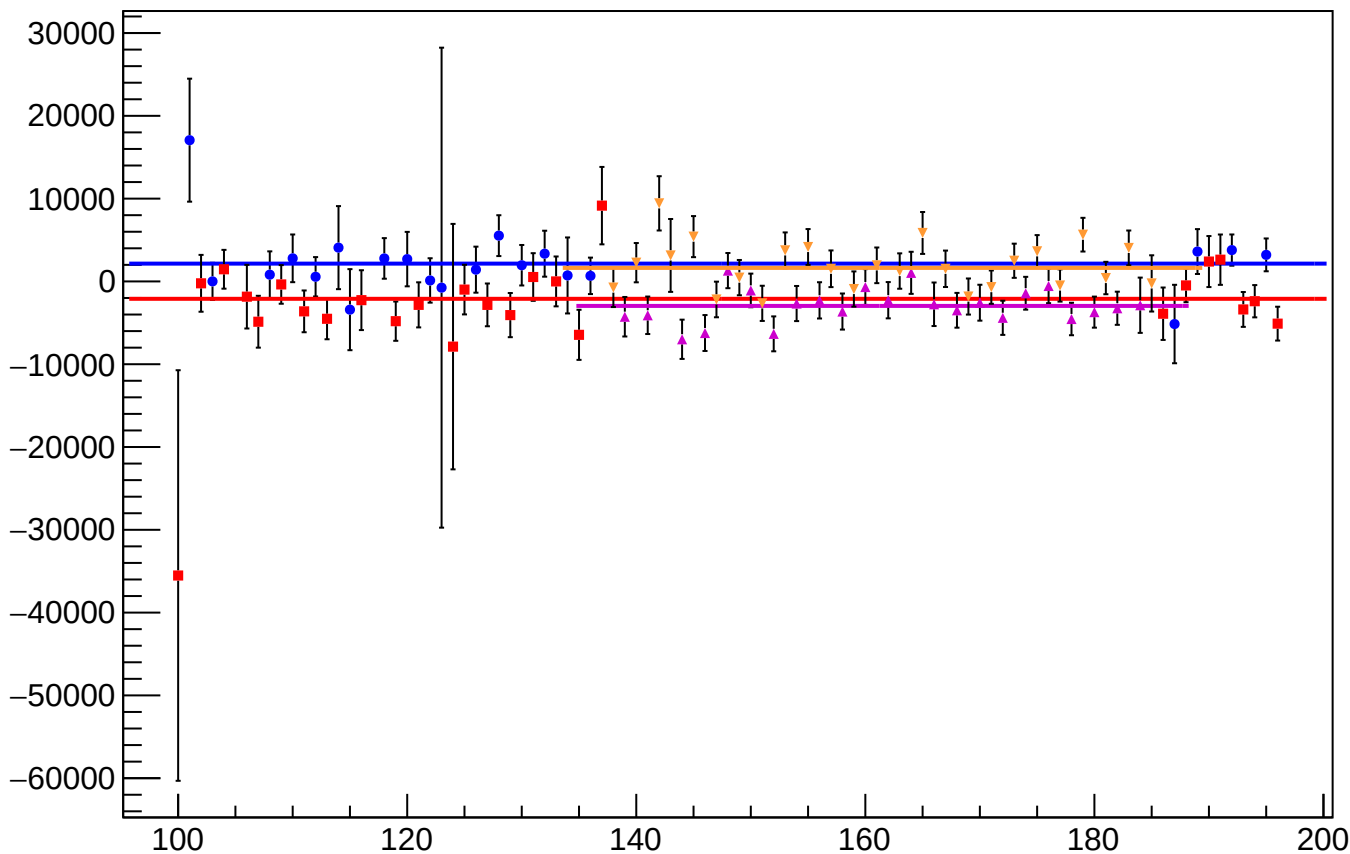
Left In: 4637.777+/-0.799 χ^2/NDF :1065217.2/22

+ sign 4717.863+/-0.651 χ^2/NDF : 1922716.9/45

All: 4605.982+/-0.448 χ^2/NDF : 5726022.9/94

- sign 4505.343+/-0.618 χ^2/NDF : 3747270.2/48

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2149.796 ± 610.523 χ^2/NDF : 14.2/20

Left Out: 1630.035 ± 447.063 χ^2/NDF : 35.4/24

Right Out: -2100.574 ± 541.567 χ^2/NDF : 26.6/25

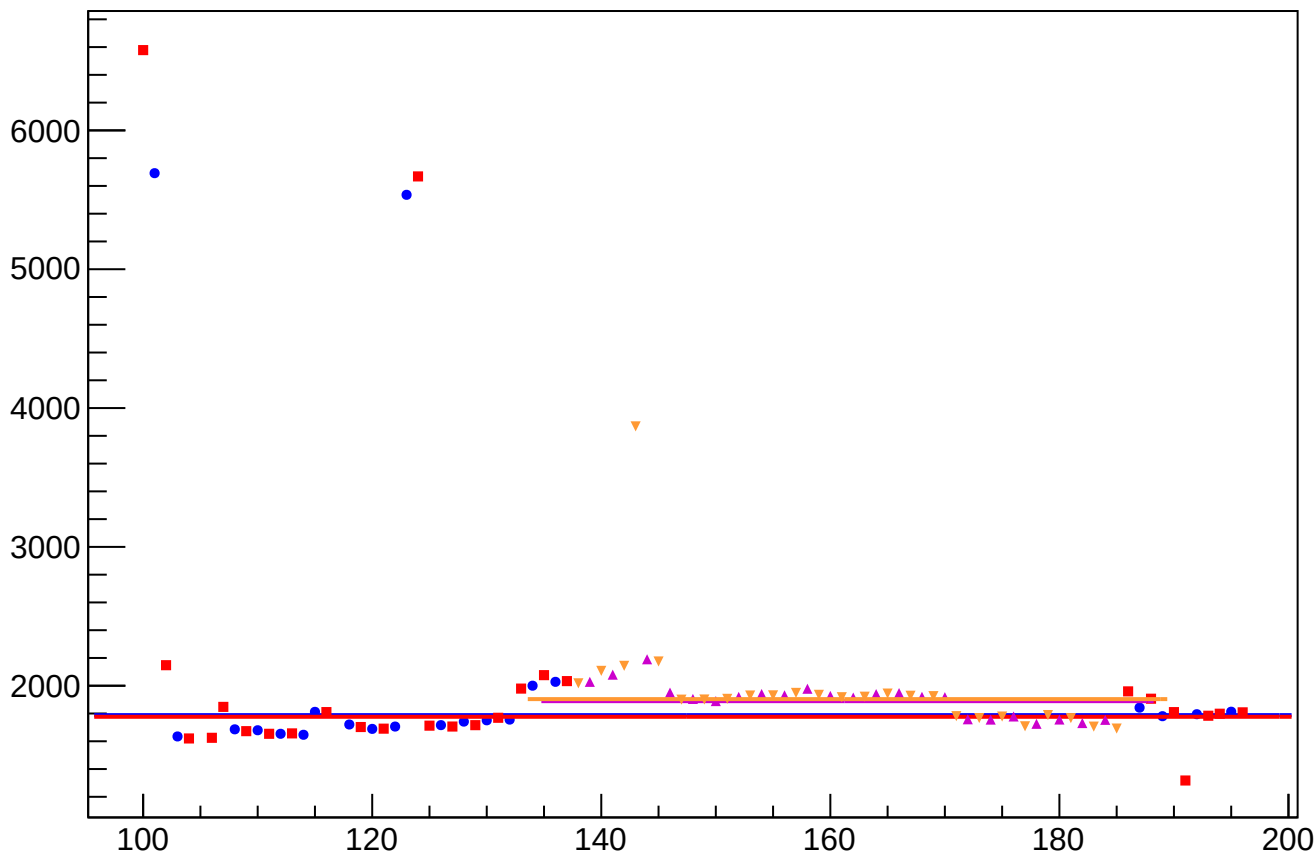
Left In: -2958.620 ± 453.688 χ^2/NDF : 20.4/22

+ sign 1811.456 ± 360.698 χ^2/NDF : 50.1/45

All: -477.162 ± 250.360 χ^2/NDF : 176.3/94

- sign -2604.775 ± 347.779 χ^2/NDF : 48.5/48

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1788.299+/-0.432 χ^2/NDF : 645323.8/20

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1776.418+/-0.381 χ^2/NDF : 367868.6/25

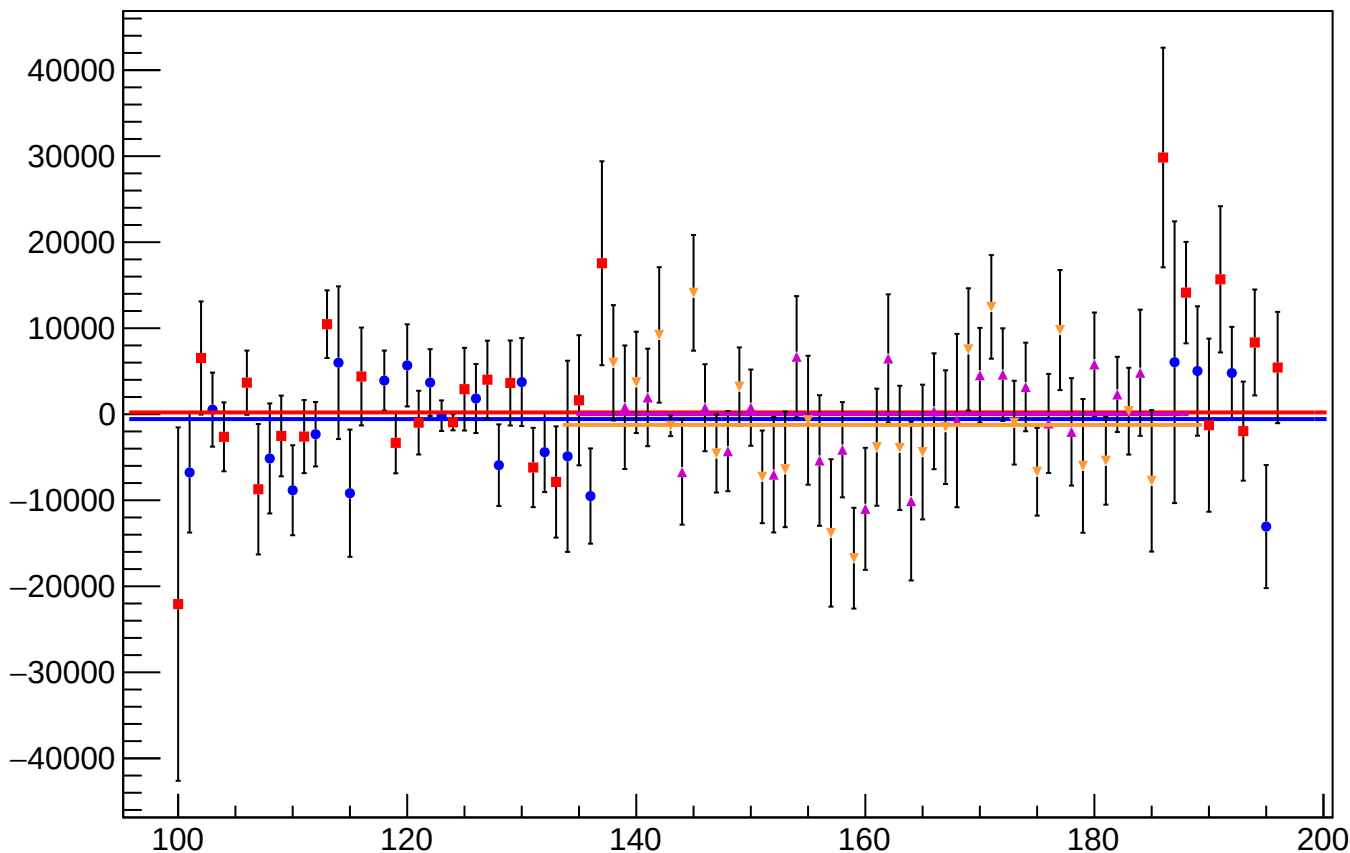
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1863.366+/-0.255 χ^2/NDF : 1233349.1/45

All: 1852.427+/-0.177 χ^2/NDF : 1782157.4/94

- sign 1842.294+/-0.245 χ^2/NDF : 545264.9/48

asym_atr1l2_avg_correction_mean vs Slug



Right In: -561.739+/-974.028 χ^2/NDF : 21.1/20

Left Out: -1239.833+/-865.201 χ^2/NDF : 33.9/24

Right Out: 208.568+/-700.660 χ^2/NDF : 39.6/25

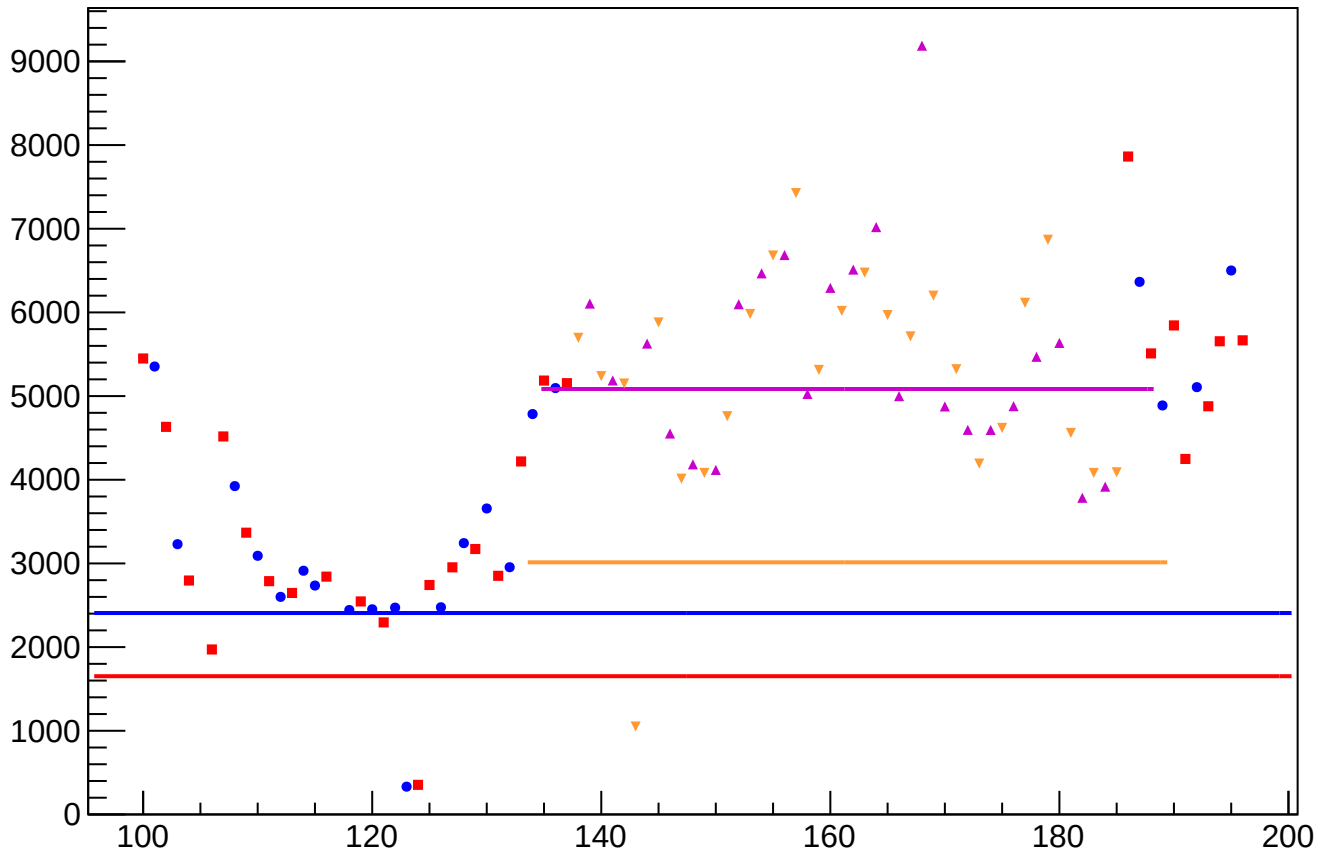
Left In: 15.863+/-1243.317 χ^2/NDF : 13.2/22

+ sign -940.768+/-646.858 χ^2/NDF : 55.3/45

All: -357.375+/-443.950 χ^2/NDF : 109.7/94

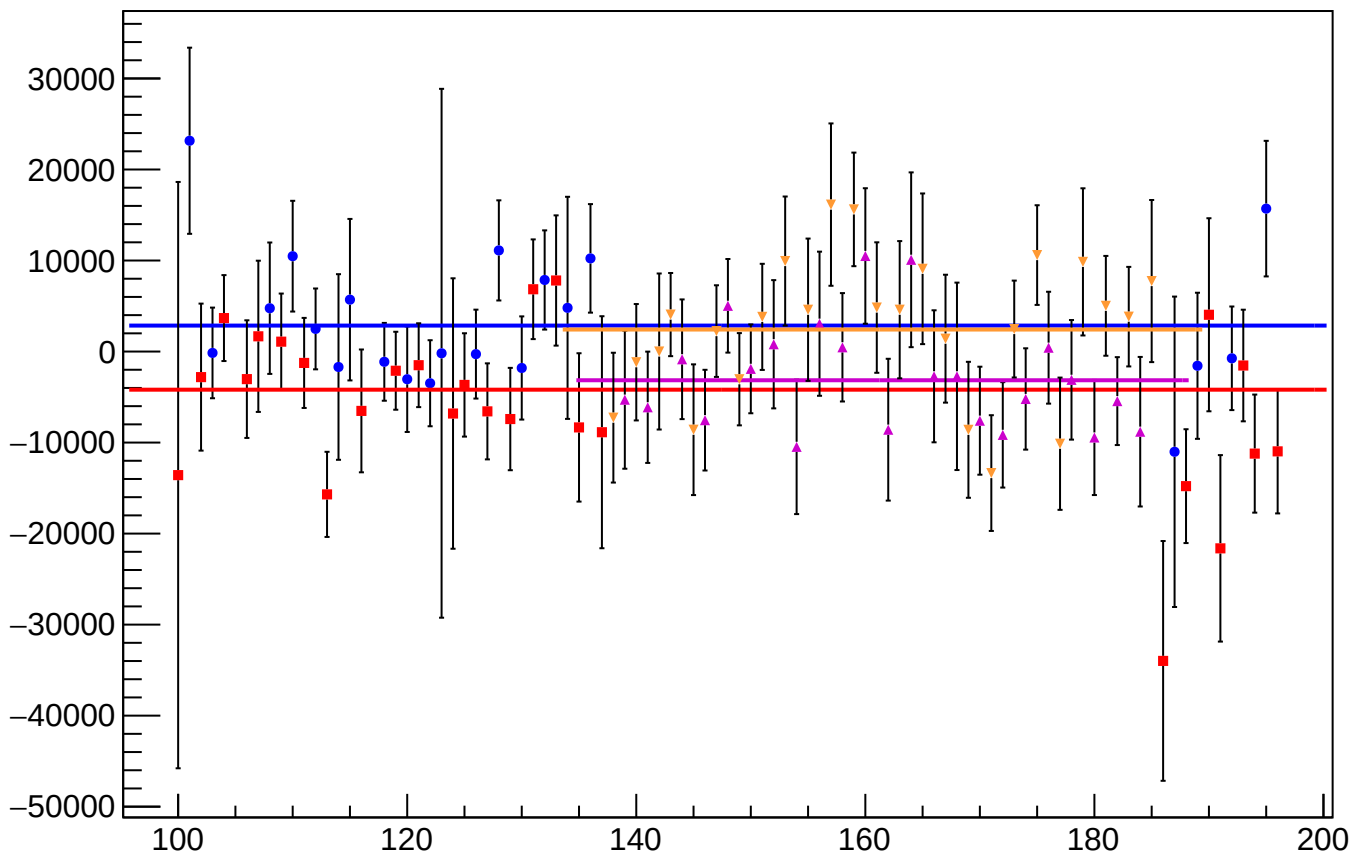
- sign 162.120+/-610.407 χ^2/NDF : 52.8/48

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2407.334+/-0.689	χ^2/NDF : 5583430.3/20	+ sign 2746.029+/-0.457	χ^2/NDF : 18286819.0/45
Left Out: 3013.268+/-0.612	χ^2/NDF : 12270753.9/24	All: 2605.036+/-0.314	χ^2/NDF : 42575998.6/5
Right Out: 1652.143+/-0.495	χ^2/NDF : 11236551.7/25	- sign 2479.485+/-0.432	χ^2/NDF : 24109549.4/48
Left In: 5084.645+/-0.879	χ^2/NDF : 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2851.863+/-1358.219 χ^2/NDF : 20.0/20

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -4190.240+/-1245.601 χ^2/NDF : 33.2/25

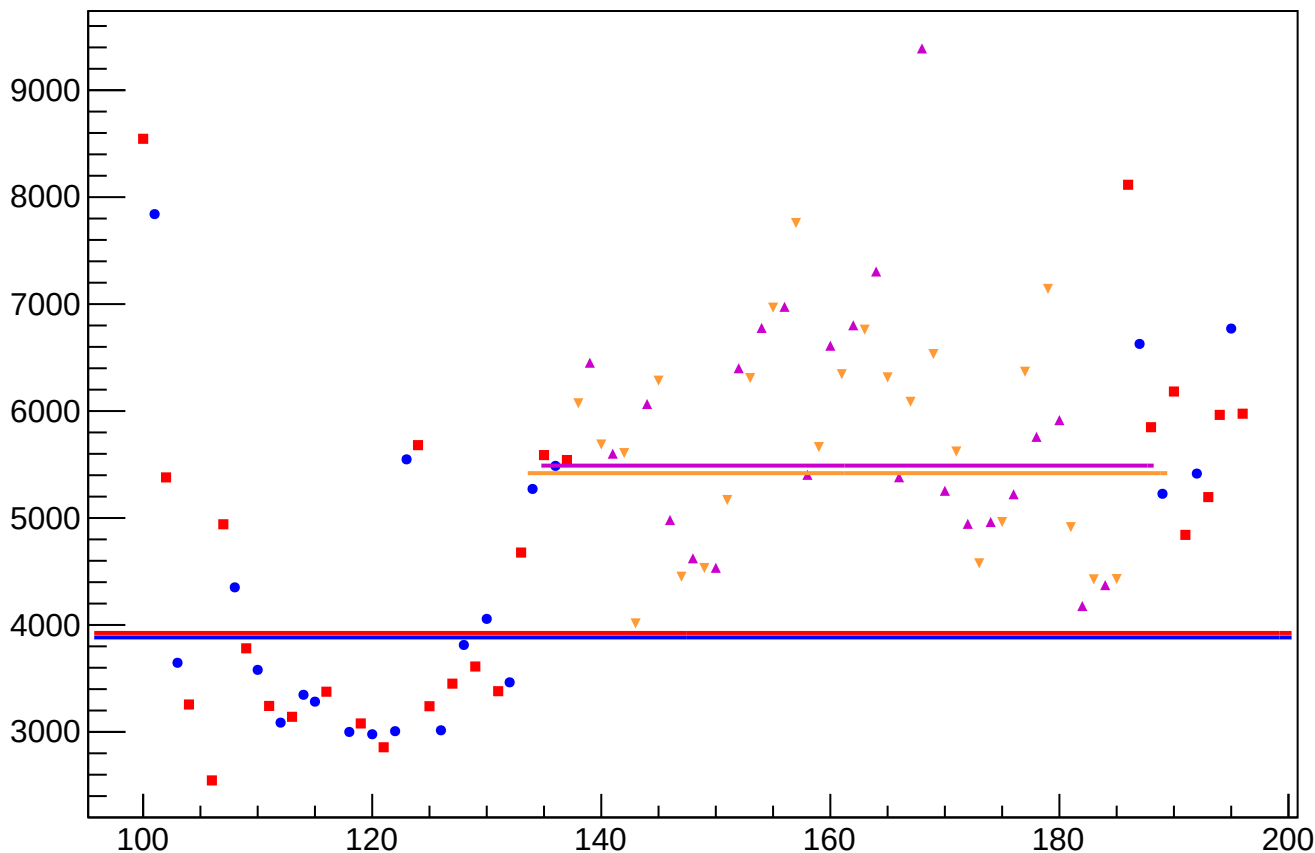
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2622.755+/-934.012 χ^2/NDF : 50.0/45

All: -620.186+/-652.339 χ^2/NDF : 122.5/94

- sign -3708.637+/-911.493 χ^2/NDF : 49.0/48

asym_atr1l2_avg_rms vs Slug



Right In: 3883.446 $\pm$ 0.960 χ^2 /NDF: 1407567.4/20

Left Out: 5419.305 $\pm$ 0.910 χ^2 /NDF: 1109972.1/24

Right Out: 3925.610 $\pm$ 0.871 χ^2 /NDF: 1818213.7/25

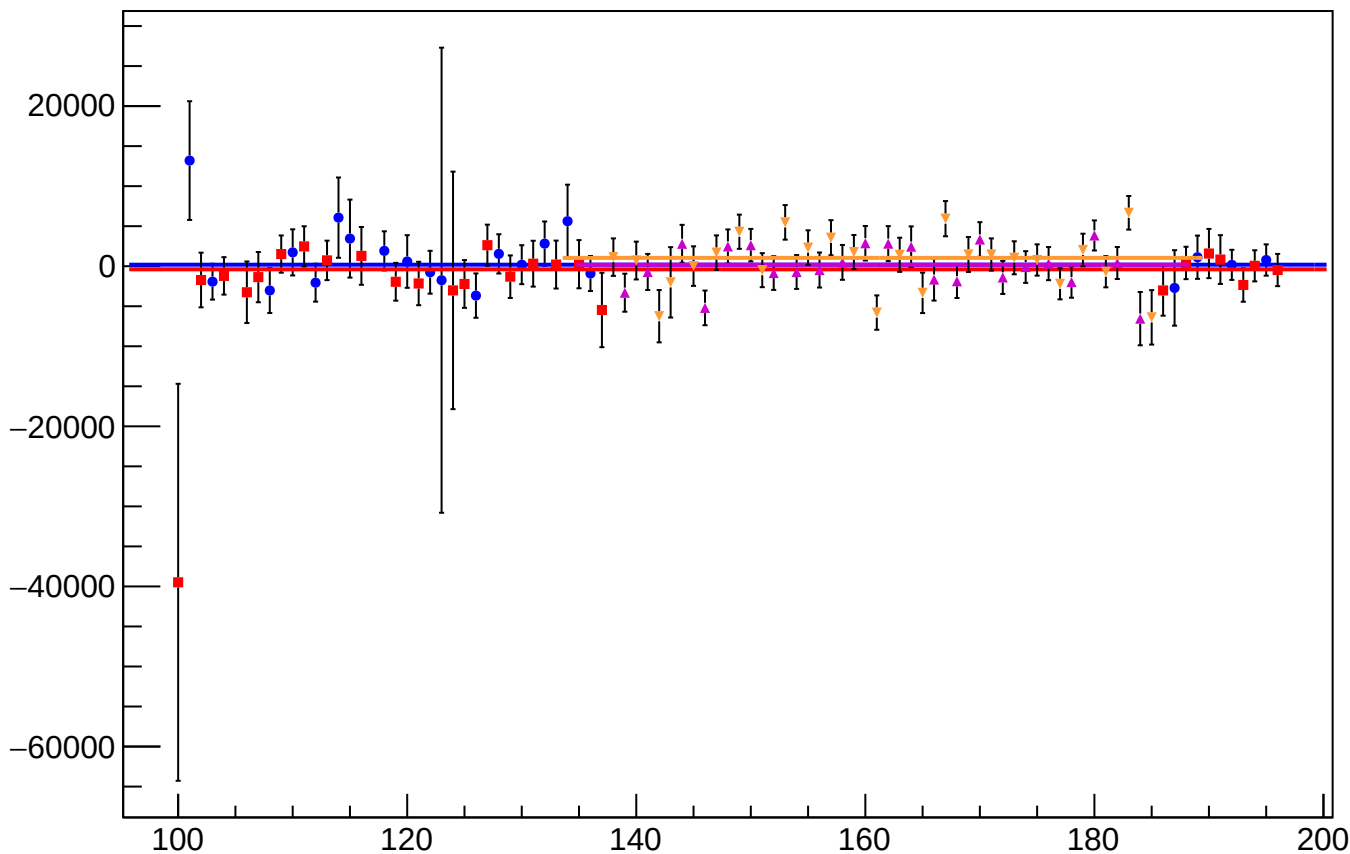
Left In: 5489.885 $\pm$ 0.946 χ^2 /NDF: 1064353.3/22

+ sign 4693.001 $\pm$ 0.660 χ^2 /NDF: 3865547.6/45

All: 4667.410 $\pm$ 0.460 χ^2 /NDF: 8231794.6/94

- sign 4643.337 $\pm$ 0.641 χ^2 /NDF: 4363333.3/48

reg_asym_atr1l2_dd_mean vs Slug



Right In: 189.026 $\pm$ 608.090 χ^2 /NDF: 14.3/20

Left Out: 1041.262 $\pm$ 446.249 χ^2 /NDF:48.6/24

Right Out: -390.414 $\pm$ 539.390 χ^2 /NDF: 12.3/25

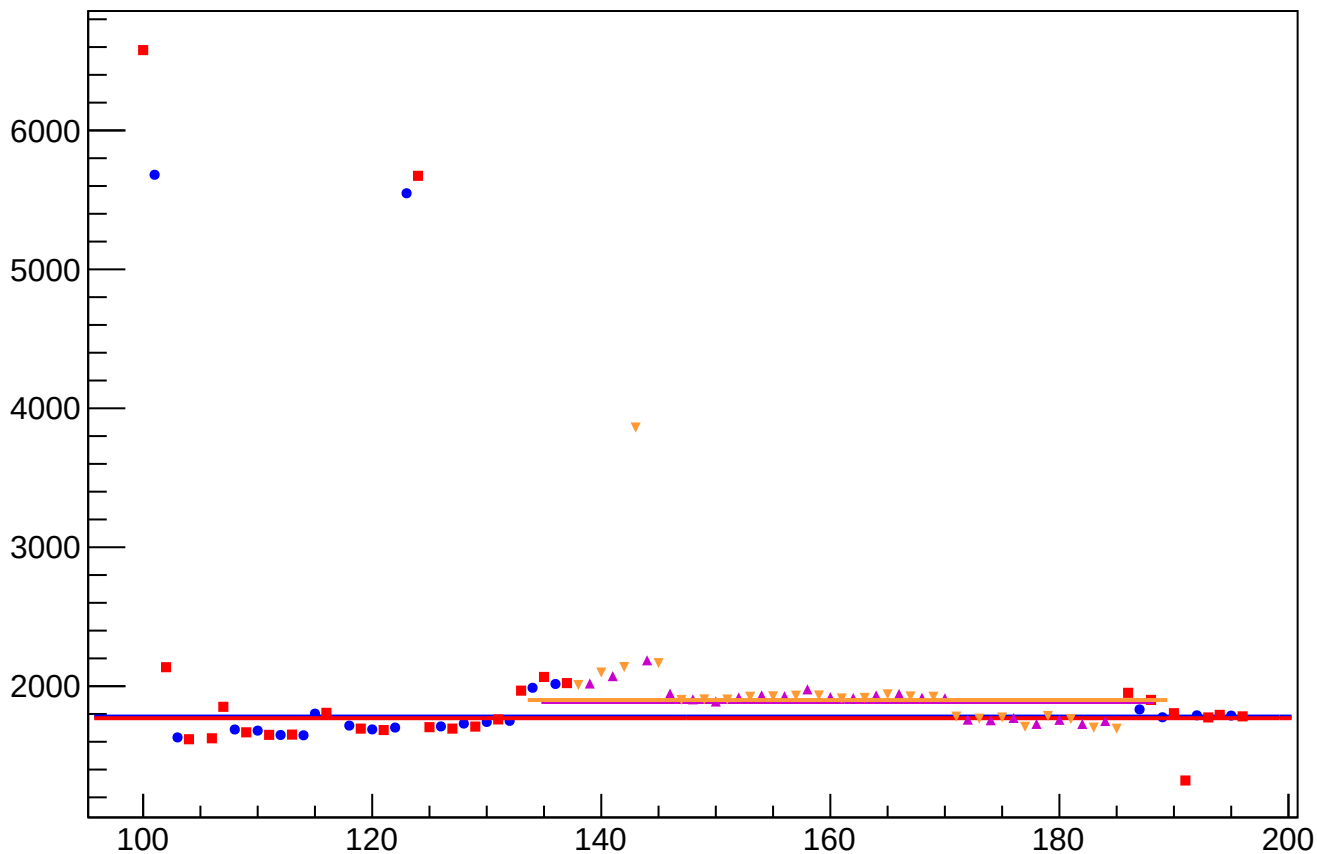
Left In: 191.966 $\pm$ 453.055 χ^2 /NDF:30.0/22

+ sign 742.951 $\pm$ 359.768 χ^2 /NDF: 64.2/45

All: 332.608 $\pm$ 249.727 χ^2 /NDF: 109.6/94

- sign -48.941 $\pm$ 346.917 χ^2 /NDF: 42.9/48

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1781.282 $\pm$ 0.430 χ^2 /NDF: 643338.8/20

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1769.536 $\pm$ 0.380 χ^2 /NDF: 364790.5/25

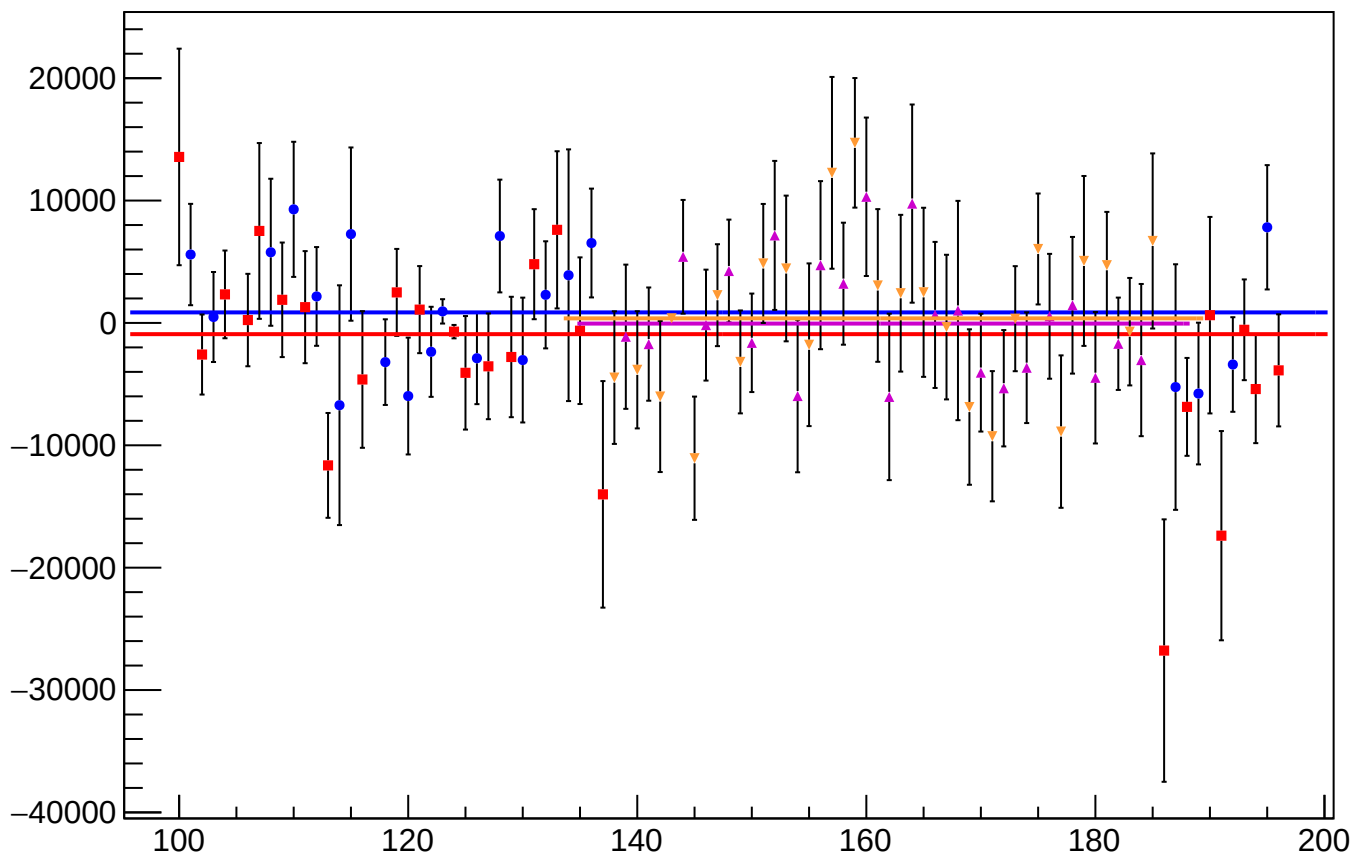
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1858.636 $\pm$ 0.254 χ^2 /NDF: 1231024.7/45

All: 1847.822 $\pm$ 0.176 χ^2 /NDF: 1778119.3/94

- sign 1837.802 $\pm$ 0.245 χ^2 /NDF: 543613.2/48

asym_atr1l2_dd_correction_mean vs Slug



Right In: 860.456 ± 724.036 χ^2/NDF : 20.0/20

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -917.212 ± 473.902 χ^2/NDF : 33.5/25

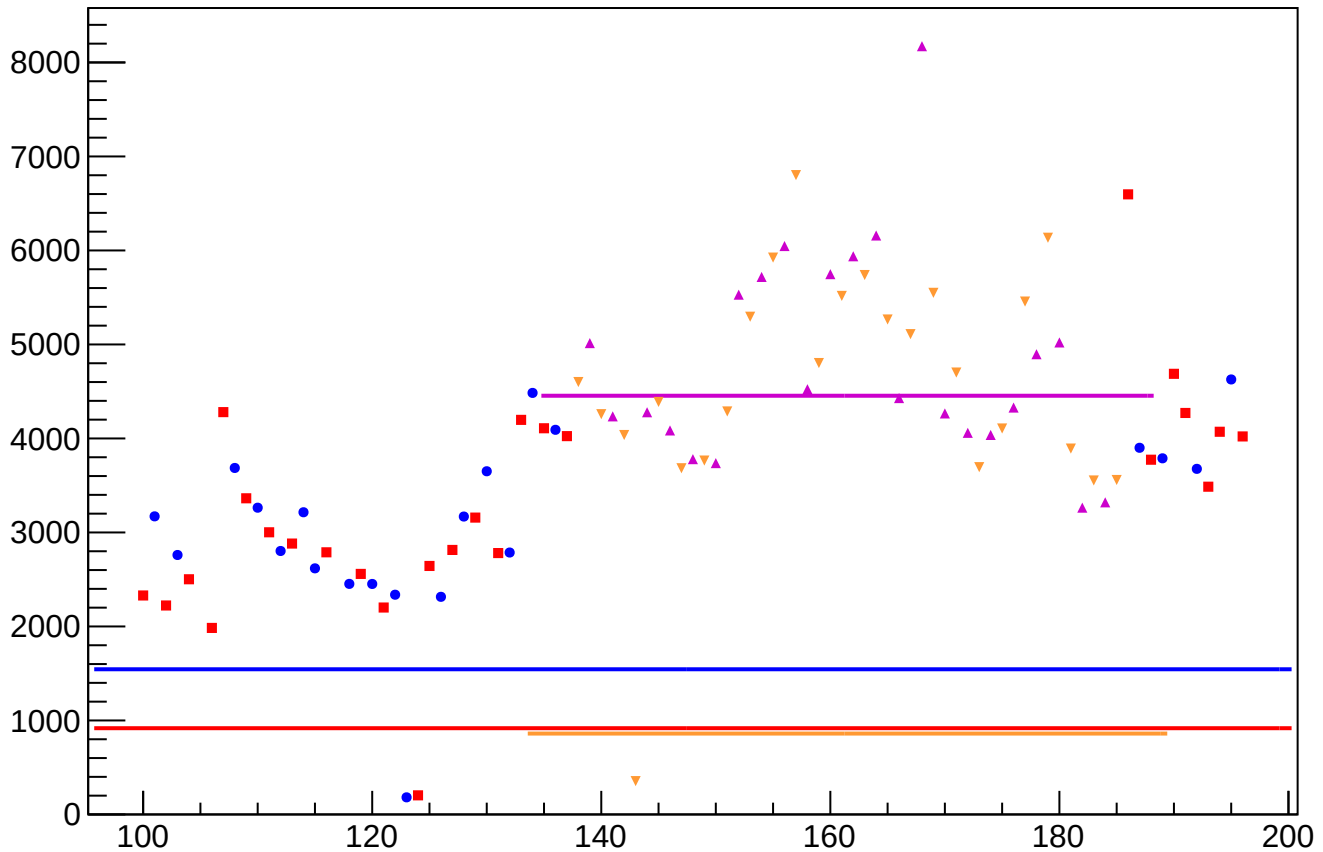
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 479.390 ± 337.909 χ^2/NDF : 51.2/45

All: 4.959 ± 266.762 χ^2/NDF : 105.0/94

- sign -779.815 ± 434.596 χ^2/NDF : 48.6/48

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1544.523+/-0.512 χ^2/NDF : 8732444.3/20

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

Right Out: 917.555+/-0.335 χ^2/NDF : 14825853.9/25

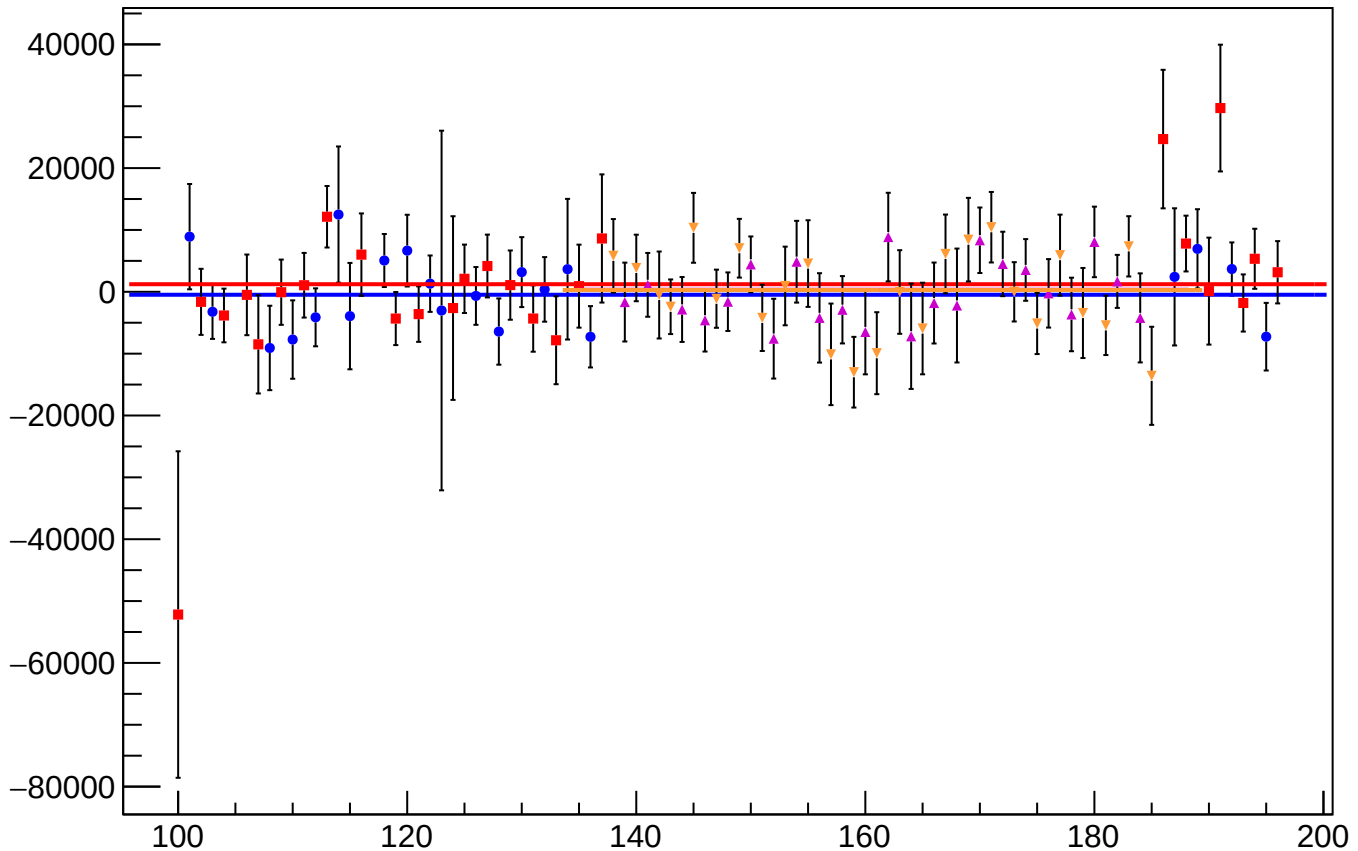
Left In: 4454.402+/-0.771 χ^2/NDF : 1349758.1/22

+ sign 1009.523+/-0.239 χ^2/NDF : 36468615.0/45

All: 1186.758+/-0.189 χ^2/NDF : 71817585.3/9

- sign 1479.928+/-0.307 χ^2/NDF : 33888647.3/48

asym_atr1l2_dd_mean vs Slug



Right In: -477.683 ± 1259.742 χ^2/NDF : 17.6/20

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 1227.287 ± 1138.676 χ^2/NDF : 34.7/25

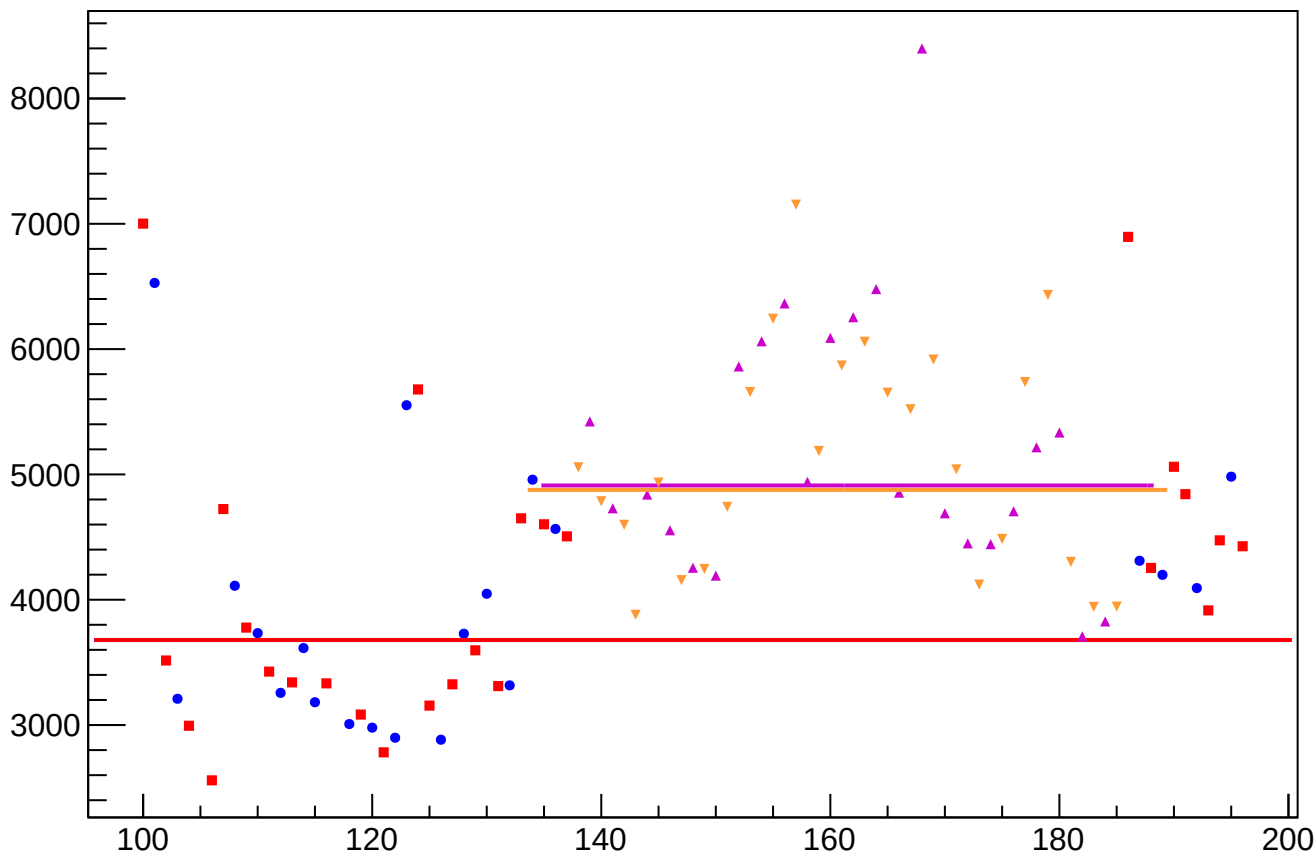
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign -61.554 ± 851.501 χ^2/NDF : 50.2/45

All: 383.955 ± 592.396 χ^2/NDF : 100.4/94

- sign 801.849 ± 824.690 χ^2/NDF : 49.7/48

asym_atr1l2_dd_rms vs Slug



Right In: 3678.123+/-0.891 χ^2 /NDF: 740489.1/20

Left Out: 4876.564+/-0.817 χ^2 /NDF: 972528.1/24

Right Out: 3678.990+/-0.797 χ^2 /NDF: 892044.6/25

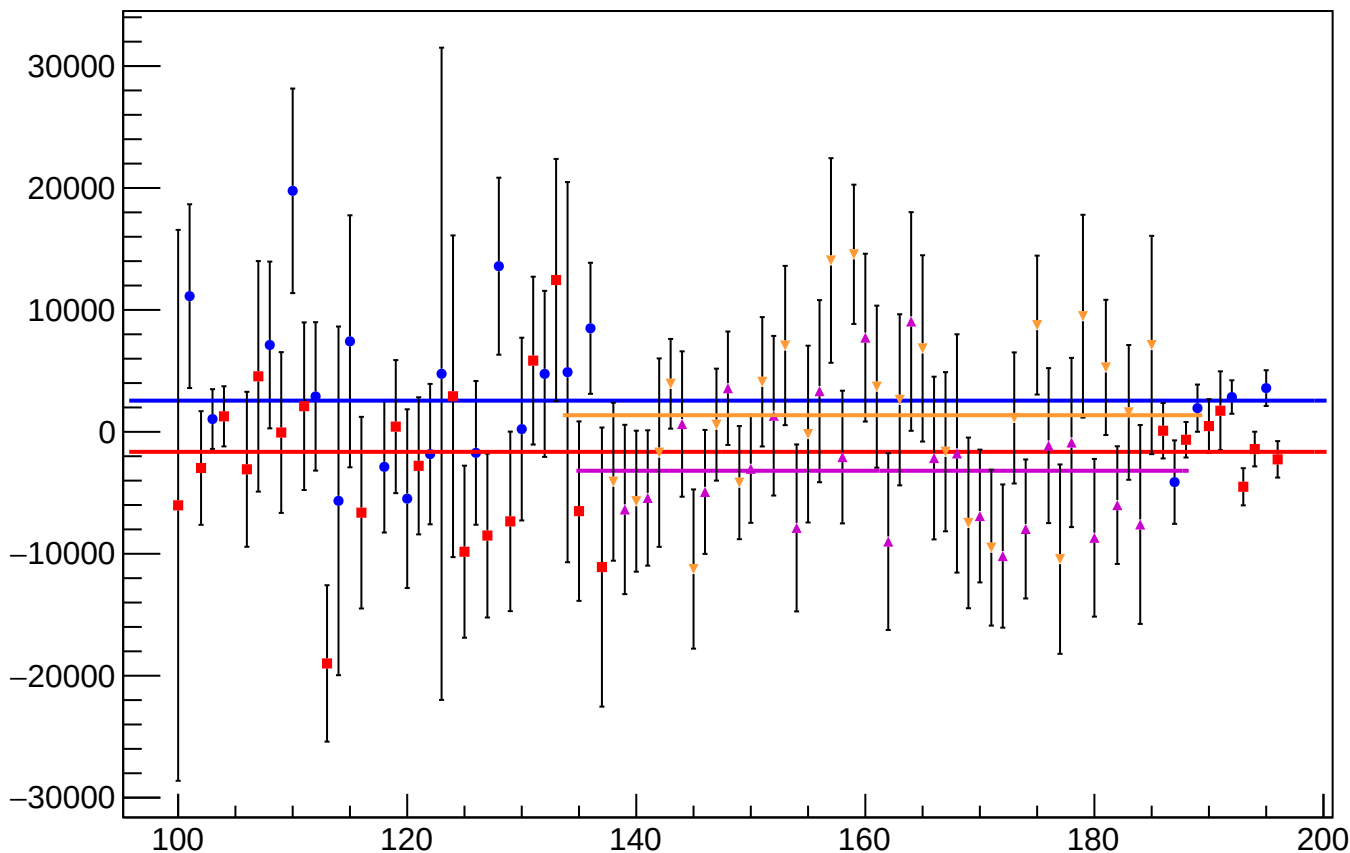
Left In: 4911.546+/-0.846 χ^2 /NDF: 1043164.6/22

+ sign 4329.011+/-0.602 χ^2 /NDF: 2696107.3/45

All: 4292.775+/-0.418 χ^2 /NDF: 5762631.4/94

- sign 4259.126+/-0.580 χ^2 /NDF: 3059538.8/48

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2559.322 $\pm$ 741.060 χ^2 /NDF: 18.4/20

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -1639.733 $\pm$ 591.185 χ^2 /NDF: 24.5/25

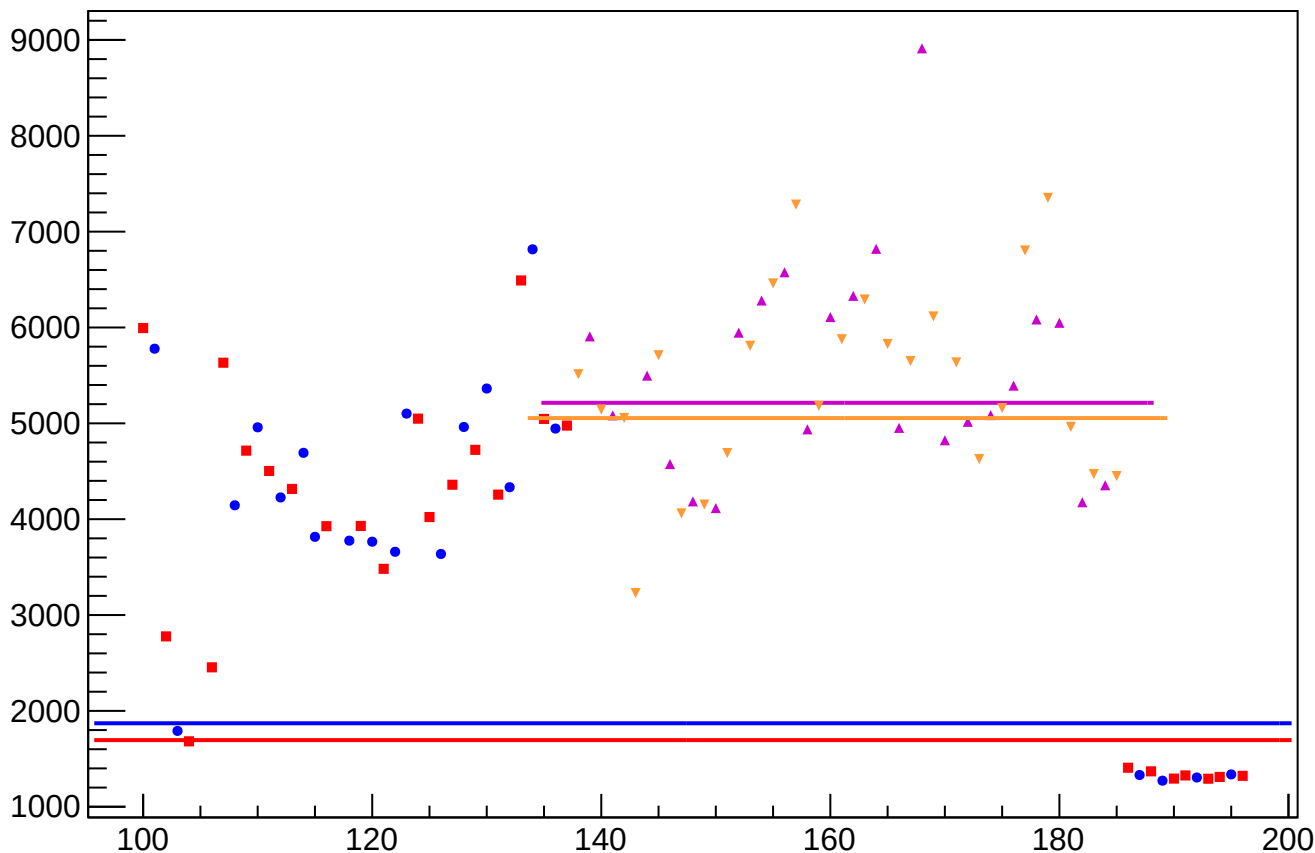
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 2232.098 $\pm$ 631.424 χ^2 /NDF: 47.1/45

All: -178.918 $\pm$ 408.610 χ^2 /NDF: 111.8/94

- sign -1916.032 $\pm$ 535.963 χ^2 /NDF: 39.7/48

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1870.800+/-0.524 χ^2/NDF : 5026906.3/20

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 1695.076+/-0.417 χ^2/NDF : 5308905.2/25

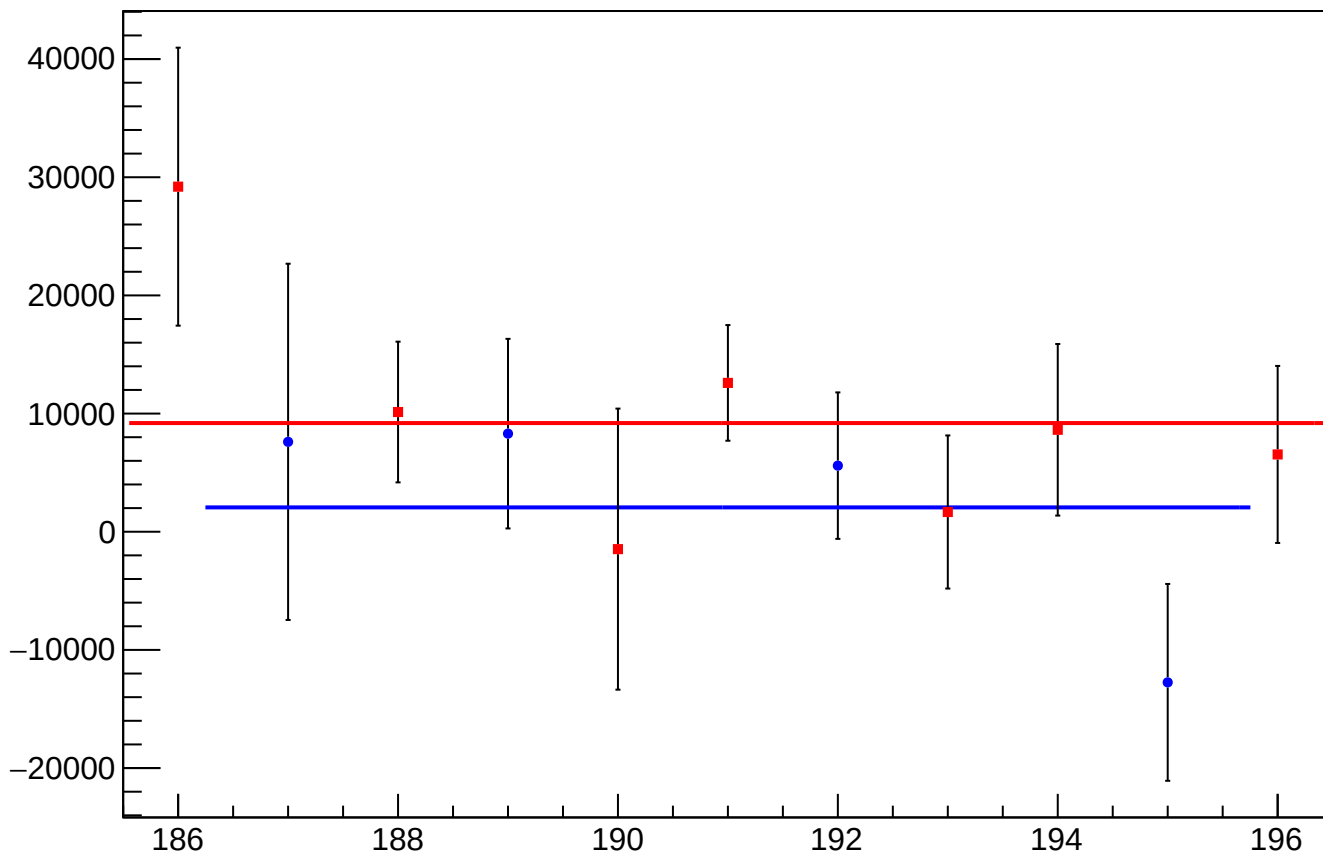
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 2743.191+/-0.446 χ^2/NDF : 16579958.0/45

All: 2496.964+/-0.289 χ^2/NDF : 36092218.8/95

- sign 2320.051+/-0.378 χ^2/NDF : 18989610.8/48

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 2060.112+/-4069.269 χ^2/NDF : 4.2/3

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

Right Out: 9196.671+/-2627.266 χ^2/NDF : 5.7/6

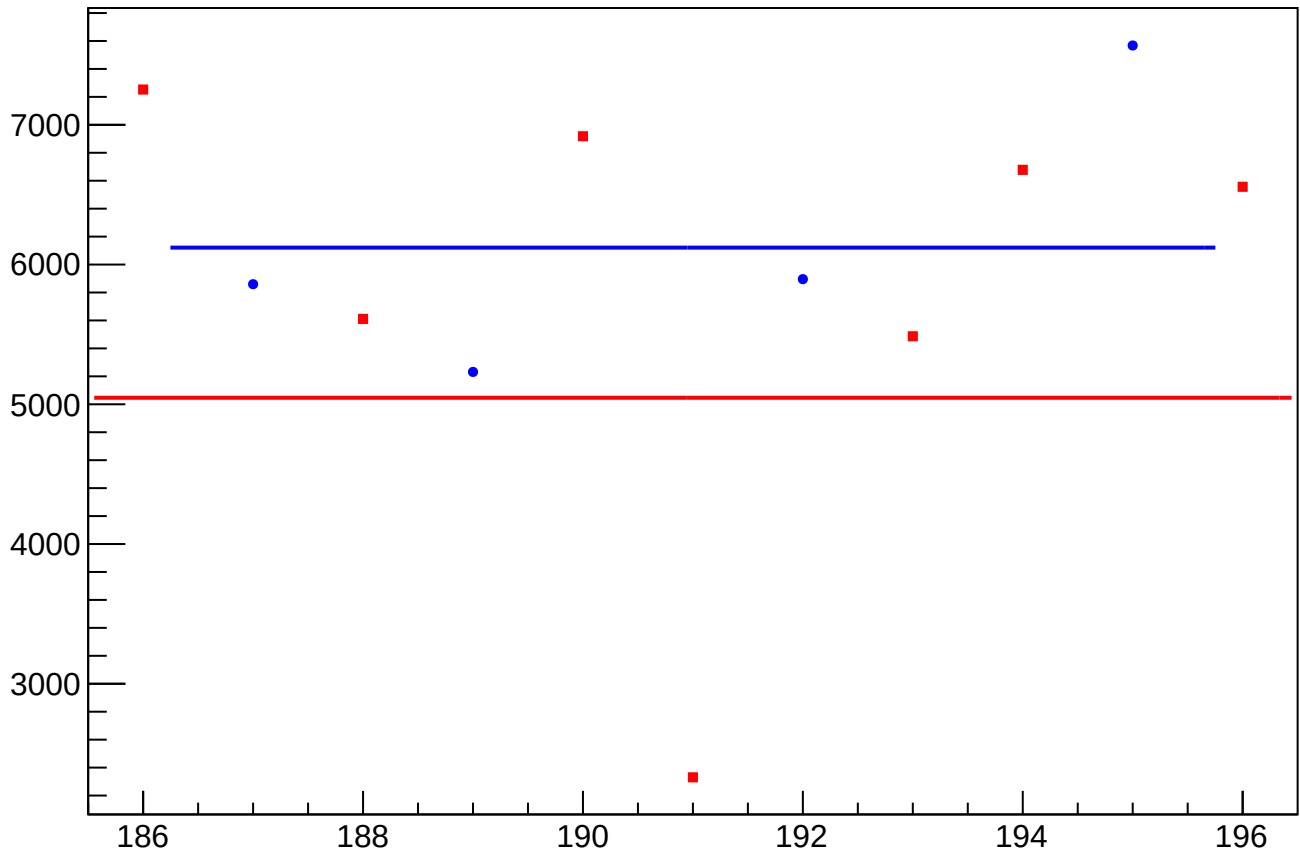
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7097.047+/-2207.205 χ^2/NDF : 12.1/10

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 6121.215+/-2.877 χ^2/NDF : 88160.9/3

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

Right Out: 5046.749+/-1.858 χ^2/NDF : 945301.3/6

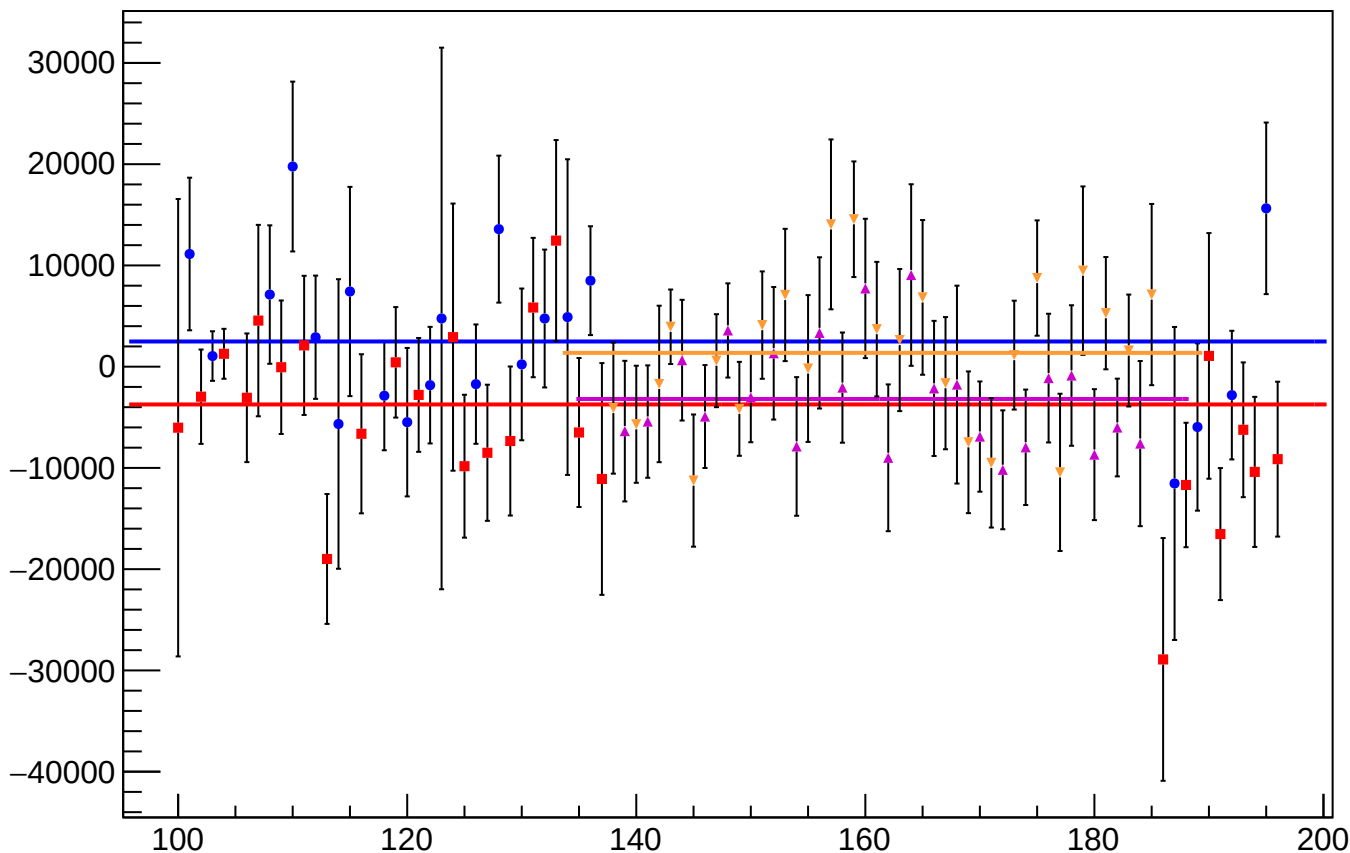
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 5362.864+/-1.561 χ^2/NDF : 1131877.0/10

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2488.402+/-1374.540 χ^2/NDF : 19.0/20

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -3730.677+/-1246.357 χ^2/NDF : 30.8/25

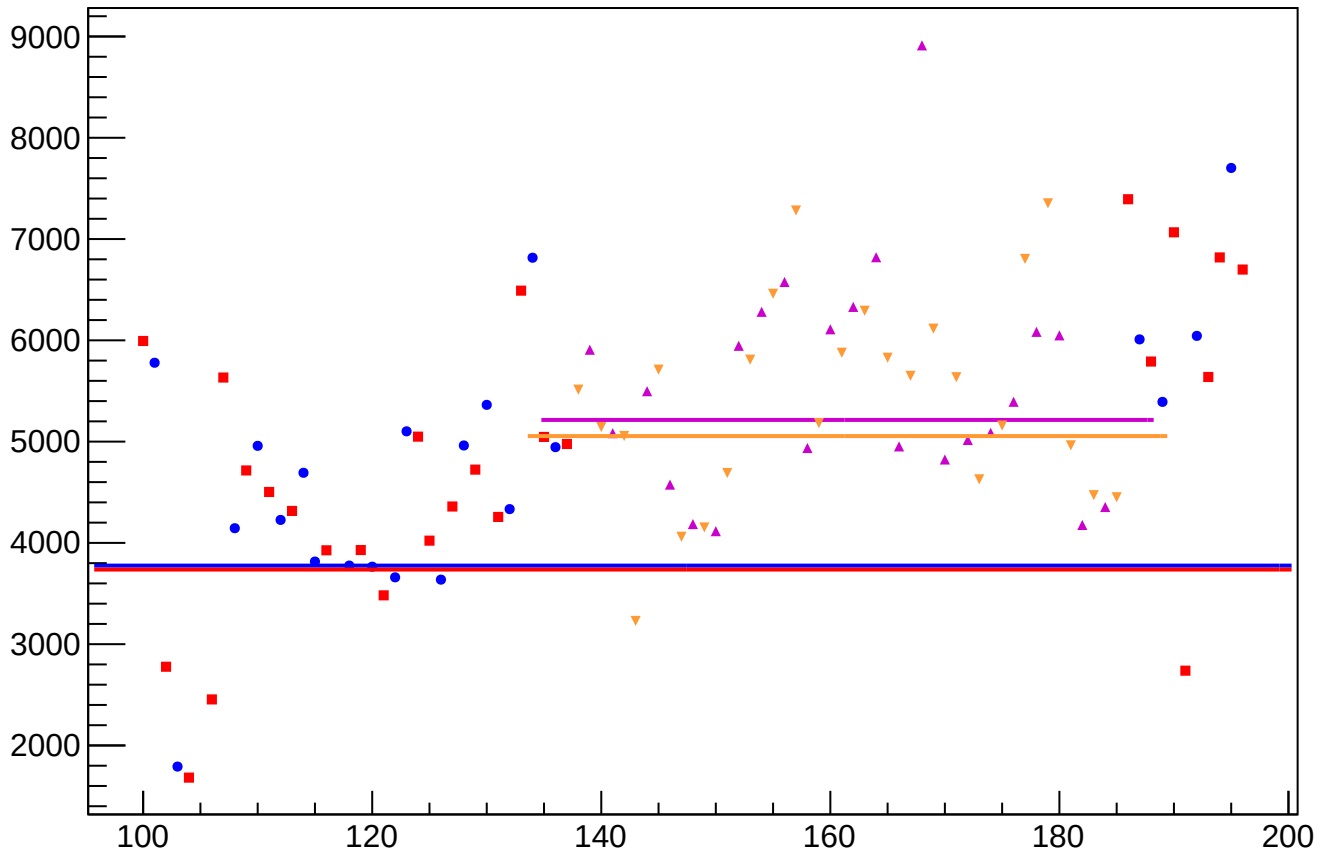
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 1853.810+/-906.649 χ^2/NDF : 47.3/45

All: -856.710+/-634.968 χ^2/NDF : 109.7/94

- sign -3465.991+/-889.556 χ^2/NDF : 44.9/48

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3775.691+/-0.972 χ^2 /NDF: 2656368.7/20

Left Out: 5054.711+/-0.853 χ^2 /NDF:1437224.7/24

Right Out: 3736.723+/-0.875 χ^2 /NDF: 3524244.8/25

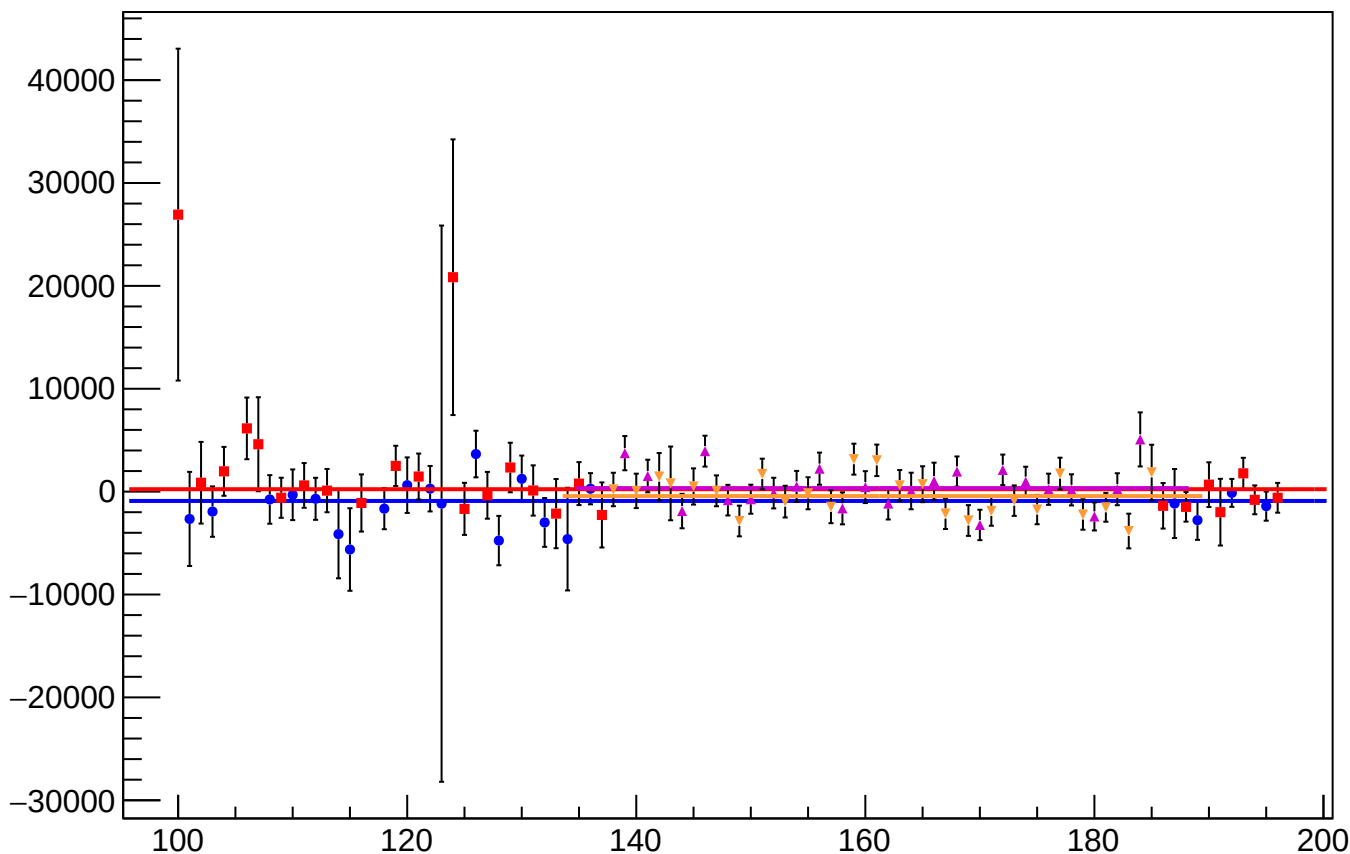
Left In: 5214.120+/-0.898 χ^2 /NDF:1052501.5/22

+ sign 4498.228+/-0.641 χ^2 /NDF: 5071894.2/45

All: 4476.634+/-0.448 χ^2 /NDF: 11039661.9/95

- sign 4456.004+/-0.627 χ^2 /NDF: 5965549.3/48

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -906.099 ± 491.985 χ^2/NDF : 14.0/20

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 235.441 ± 437.224 χ^2/NDF : 19.6/25

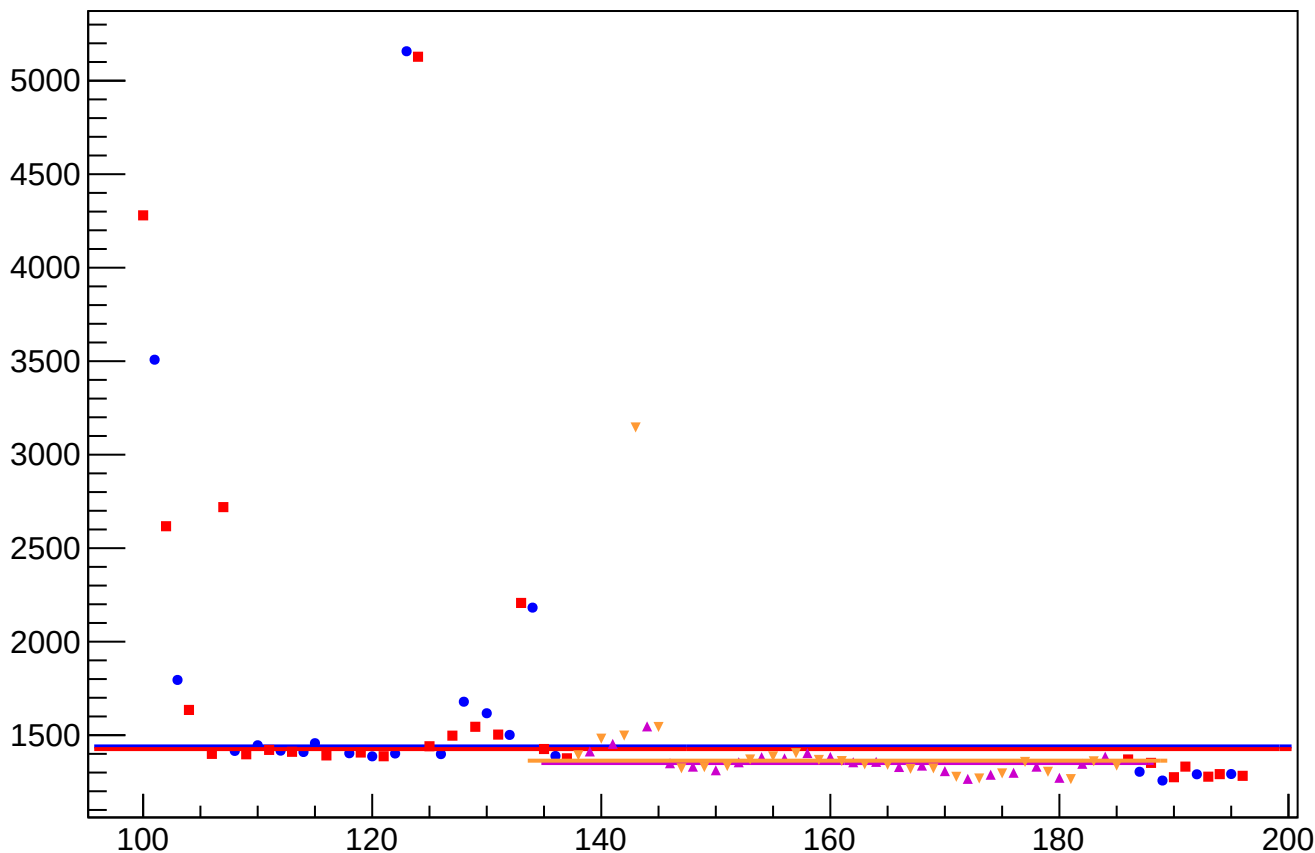
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -573.077 ± 268.567 χ^2/NDF : 47.7/45

All: -120.513 ± 186.991 χ^2/NDF : 106.6/94

- sign 305.292 ± 260.506 χ^2/NDF : 53.4/48

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1439.755+/-0.348 χ^2/NDF : 639410.1/20

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1425.473+/-0.309 χ^2/NDF : 765442.6/25

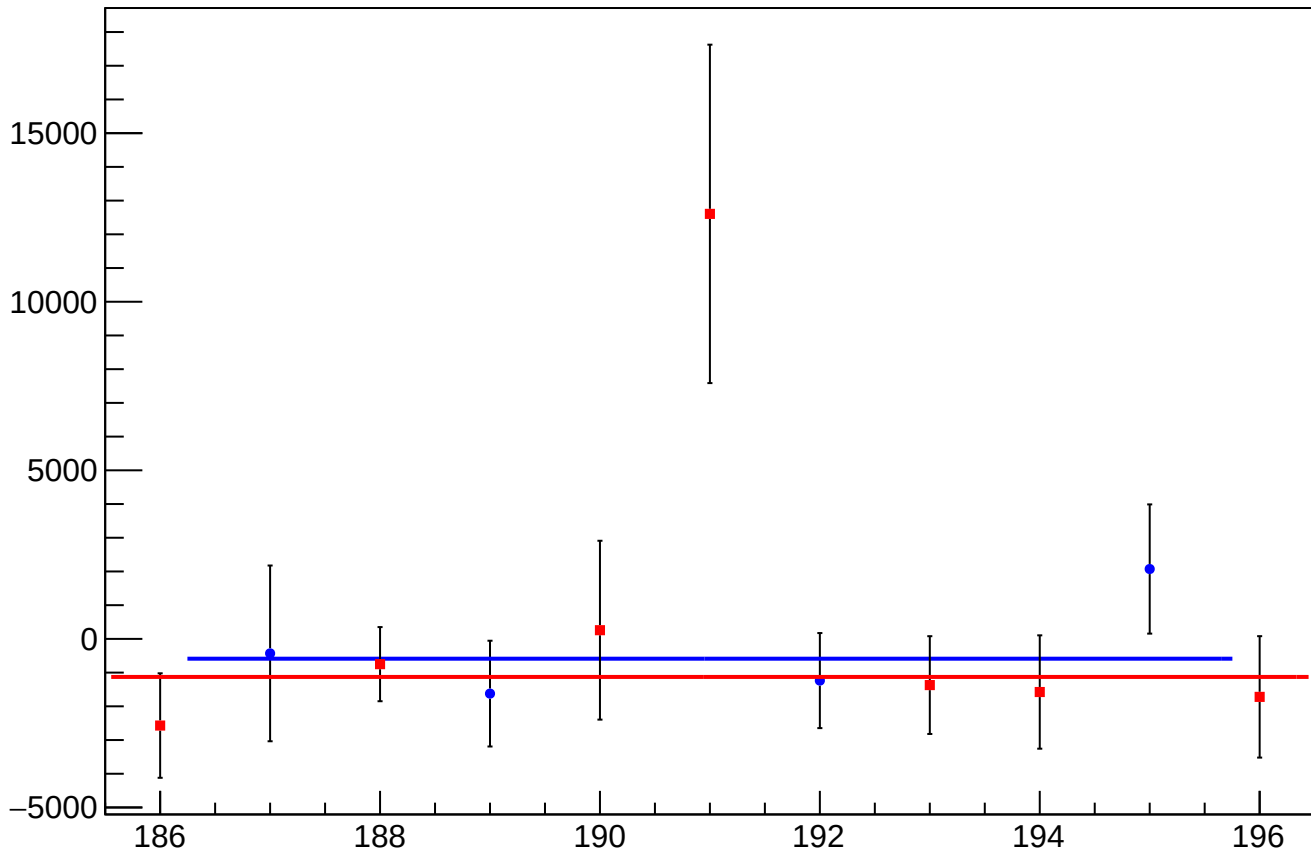
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1386.267+/-0.190 χ^2/NDF : 1248312.2/45

All: 1381.687+/-0.132 χ^2/NDF : 2119545.8/94

- sign 1377.379+/-0.184 χ^2/NDF : 870105.1/48

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -587.493+/-867.430 χ^2/NDF : 2.6/3

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

Right Out: -1128.405+/-624.653 χ^2/NDF : 9.0/6

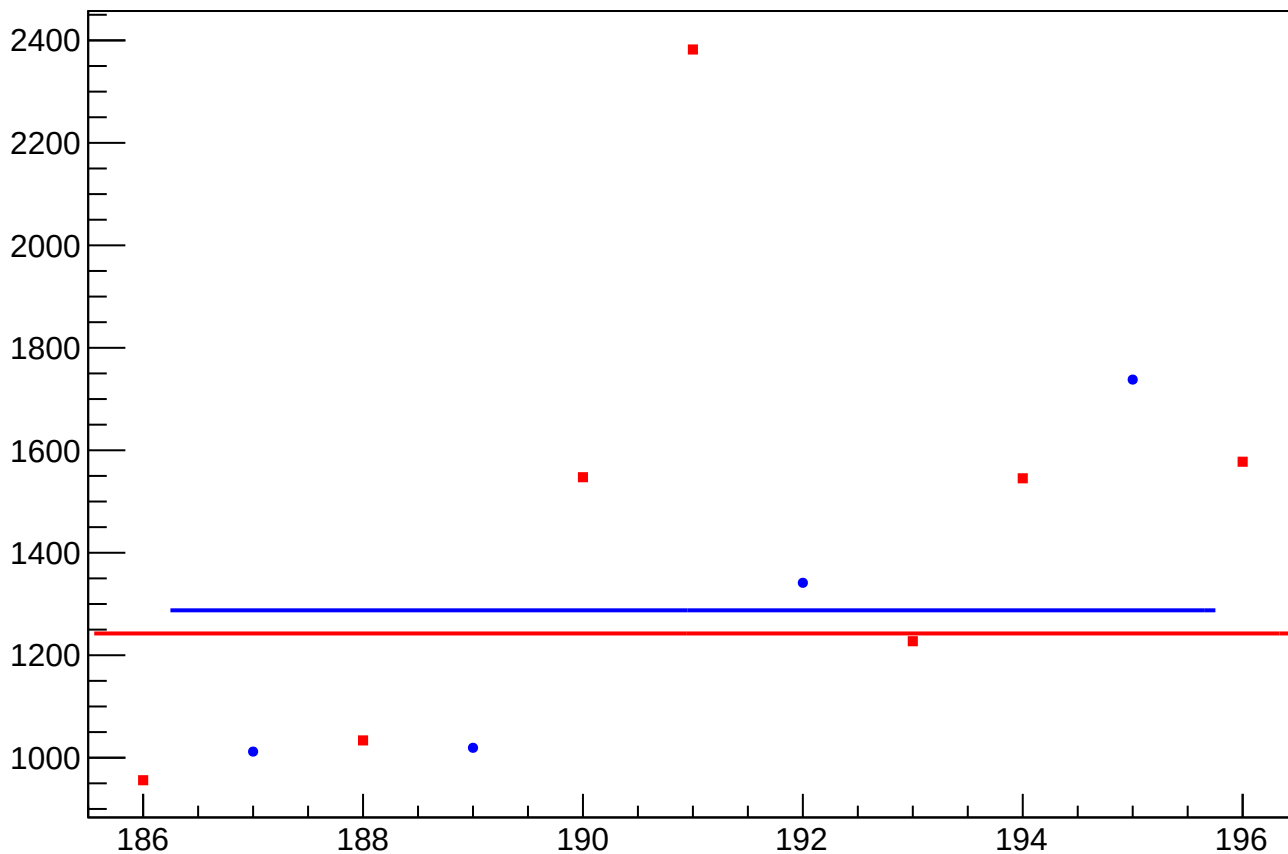
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -943.691+/-506.899 χ^2/NDF : 11.8/10

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1287.662 $\pm$ 0.613 χ^2 /NDF: 194234.0/3

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

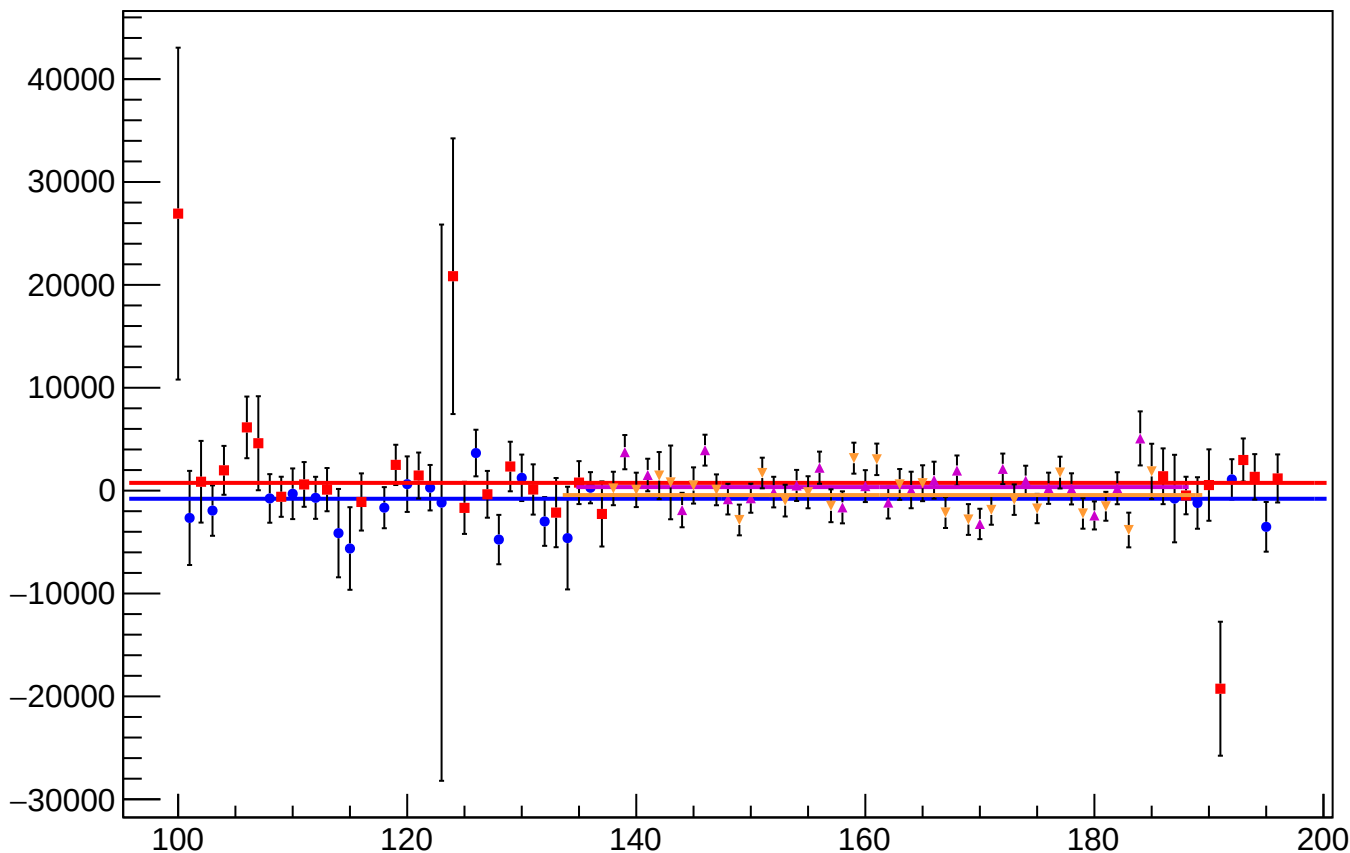
Right Out: 1242.503 $\pm$ 0.442 χ^2 /NDF: 404353.1/6

All: 1257.924 $\pm$ 0.358 χ^2 /NDF: 602156.7/10

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -790.557 ± 544.507 χ^2/NDF : 14.8/20

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 753.398 ± 502.034 χ^2/NDF : 25.5/25

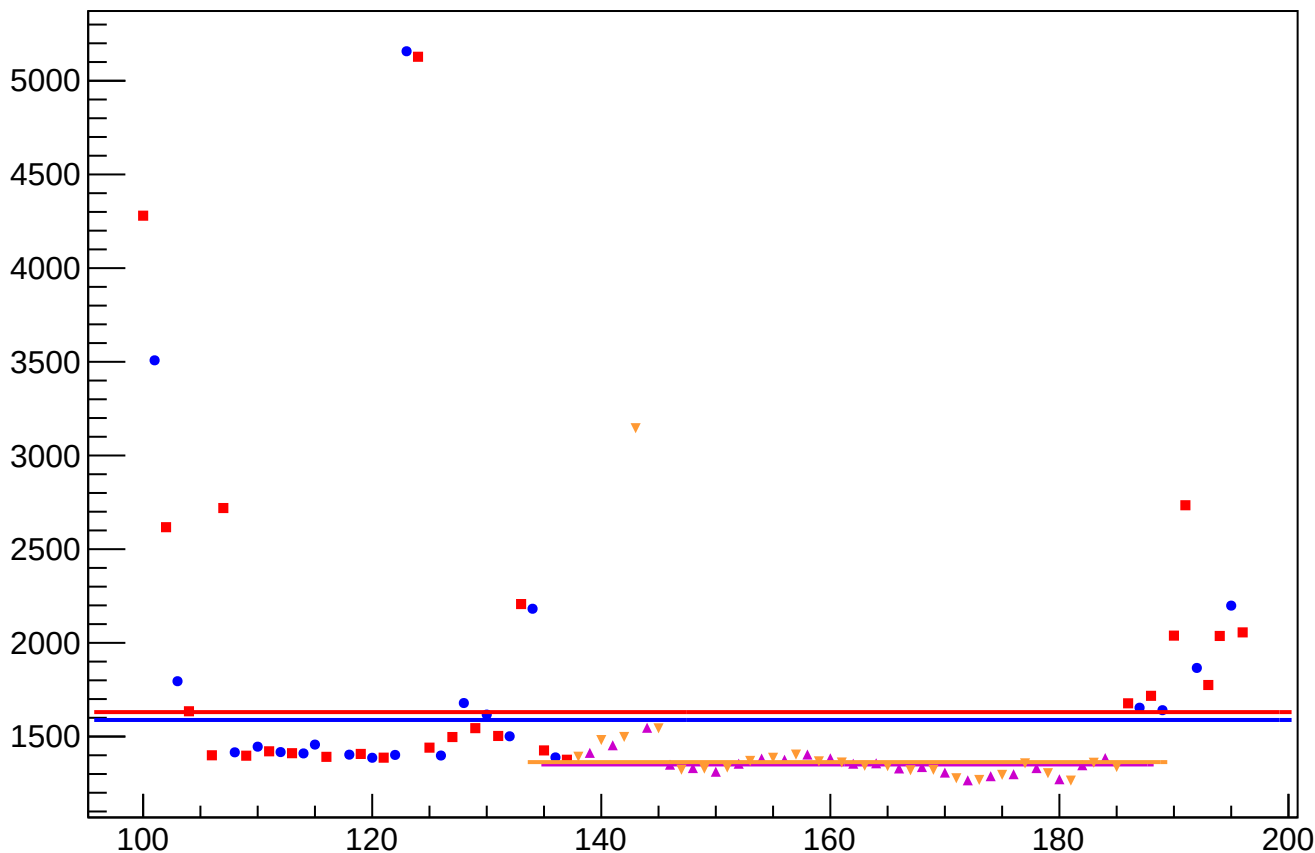
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -524.065 ± 276.231 χ^2/NDF : 48.2/45

All: -23.025 ± 193.973 χ^2/NDF : 114.4/94

- sign 464.387 ± 272.448 χ^2/NDF : 59.8/48

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1588.417+/-0.385 χ^2/NDF : 733044.2/20

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1630.424+/-0.355 χ^2/NDF : 923333.0/25

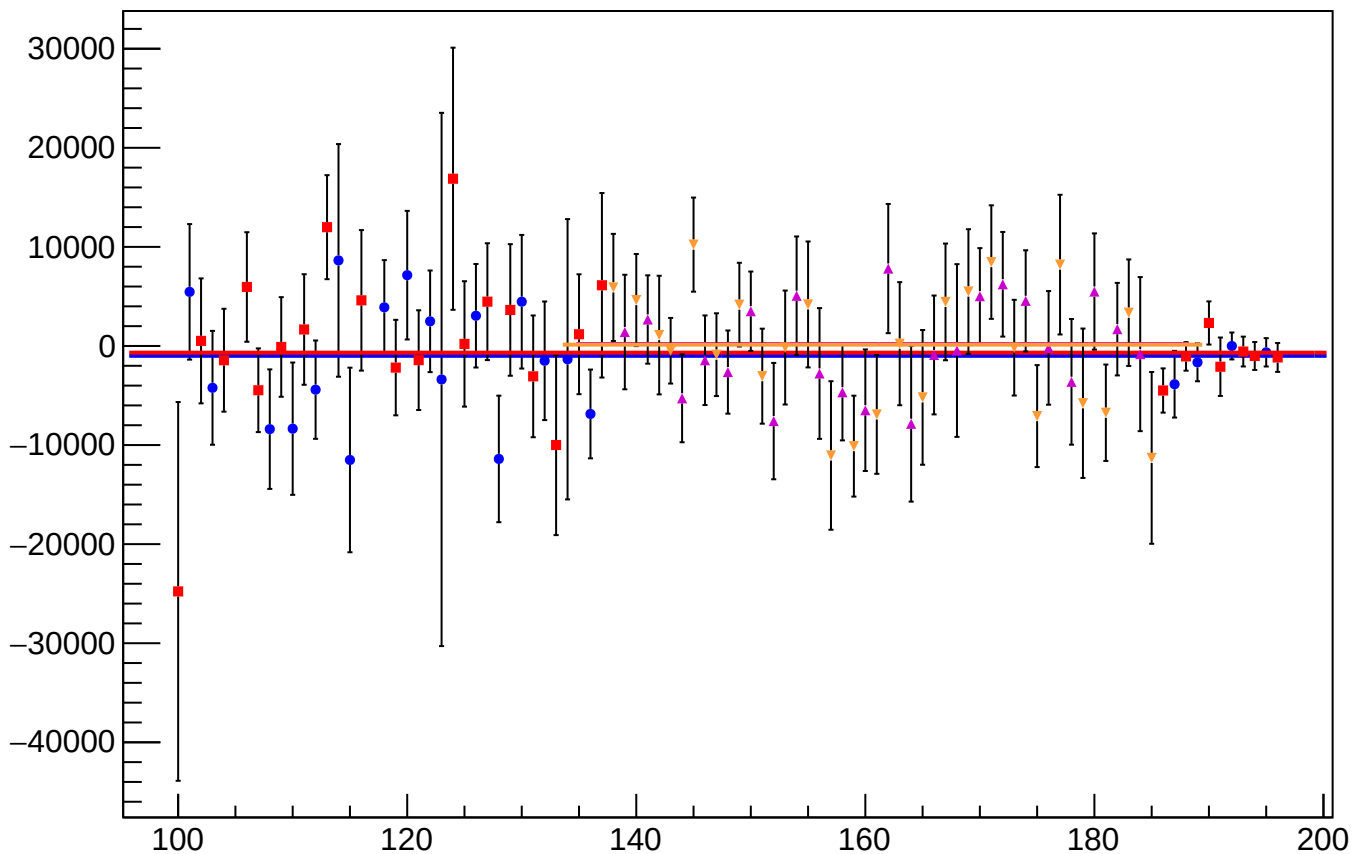
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1421.430+/-0.195 χ^2/NDF : 1561557.7/45

All: 1427.411+/-0.137 χ^2/NDF : 2991276.1/94

- sign 1433.230+/-0.193 χ^2/NDF : 1427868.3/48

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -991.644 ± 739.650 χ^2/NDF : 16.5/20

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -675.253 ± 582.225 χ^2/NDF : 20.7/25

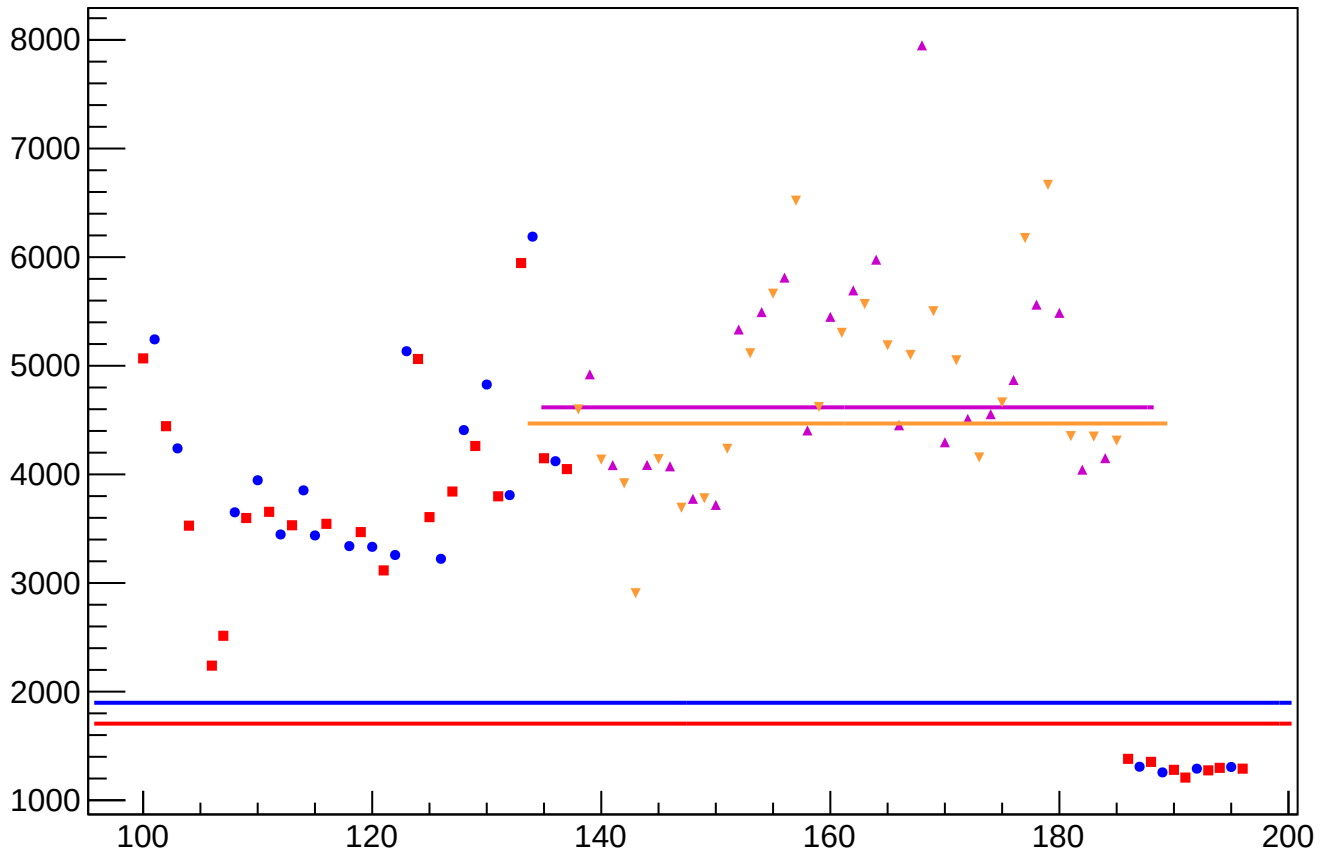
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -626.226 ± 607.609 χ^2/NDF : 45.4/45

All: -547.154 ± 393.724 χ^2/NDF : 81.3/94

- sign -489.921 ± 516.935 χ^2/NDF : 35.9/48

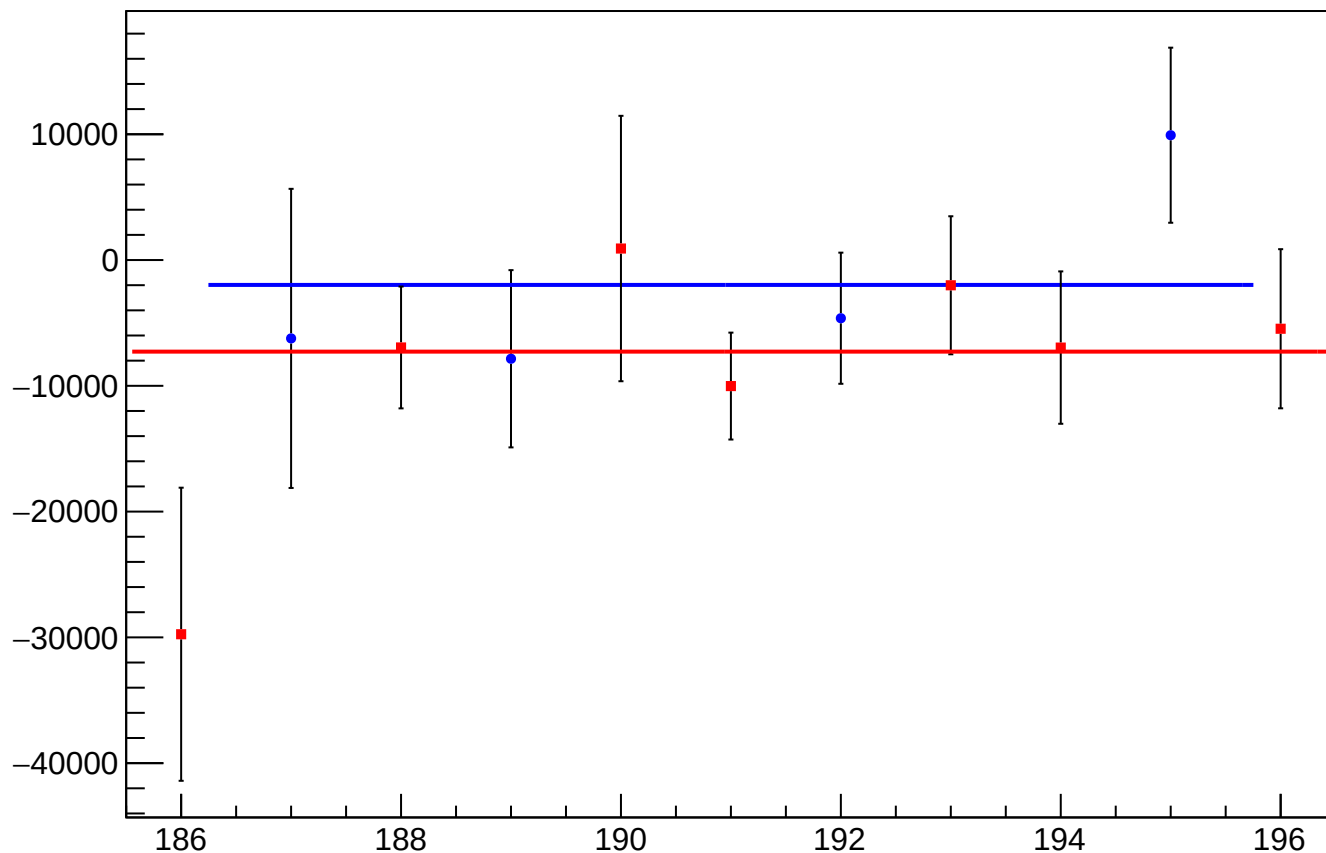
reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1897.372 ± 0.523 χ^2/NDF : 4648683.8/20
 Left Out: 4468.520 ± 0.753 χ^2/NDF : 1380601.0/24
 Right Out: 1705.361 ± 0.411 χ^2/NDF : 4888301.8/25
 Left In: 4617.293 ± 0.794 χ^2/NDF : 999599.8/22

+ sign 2733.418 ± 0.430 χ^2/NDF : 13887793.8/45
 All: 2493.464 ± 0.278 χ^2/NDF : 30911151.6/9
 - sign 2320.231 ± 0.365 χ^2/NDF : 16486253.0/48

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -1978.305+/-3436.980 χ^2/NDF : 4.0/3

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

Right Out: -7281.797+/-2237.138 χ^2/NDF : 5.8/6

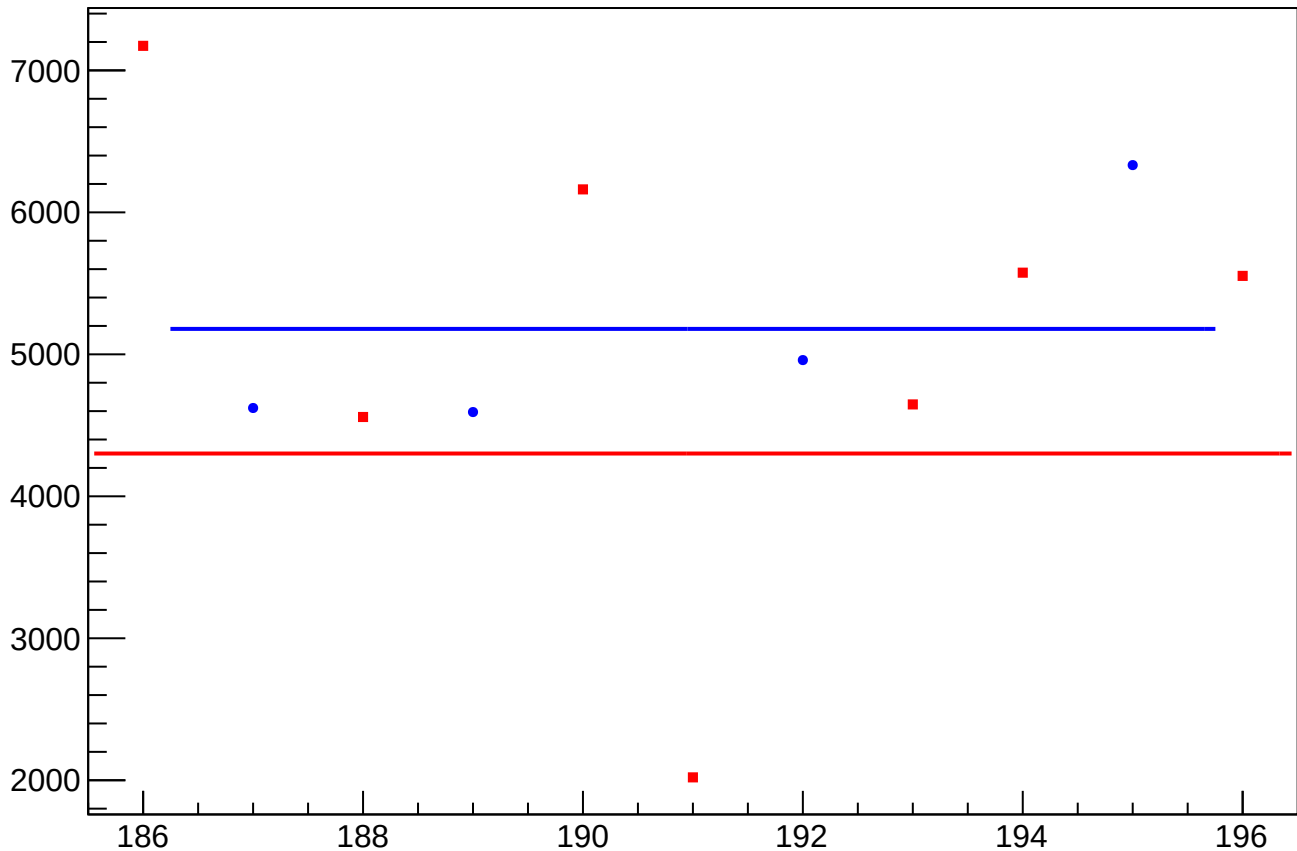
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -5703.521+/-1874.941 χ^2/NDF : 11.4/10

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5179.175+/-2.430 χ^2/NDF : 76720.0/3

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

Right Out: 4301.388+/-1.582 χ^2/NDF : 940102.6/6

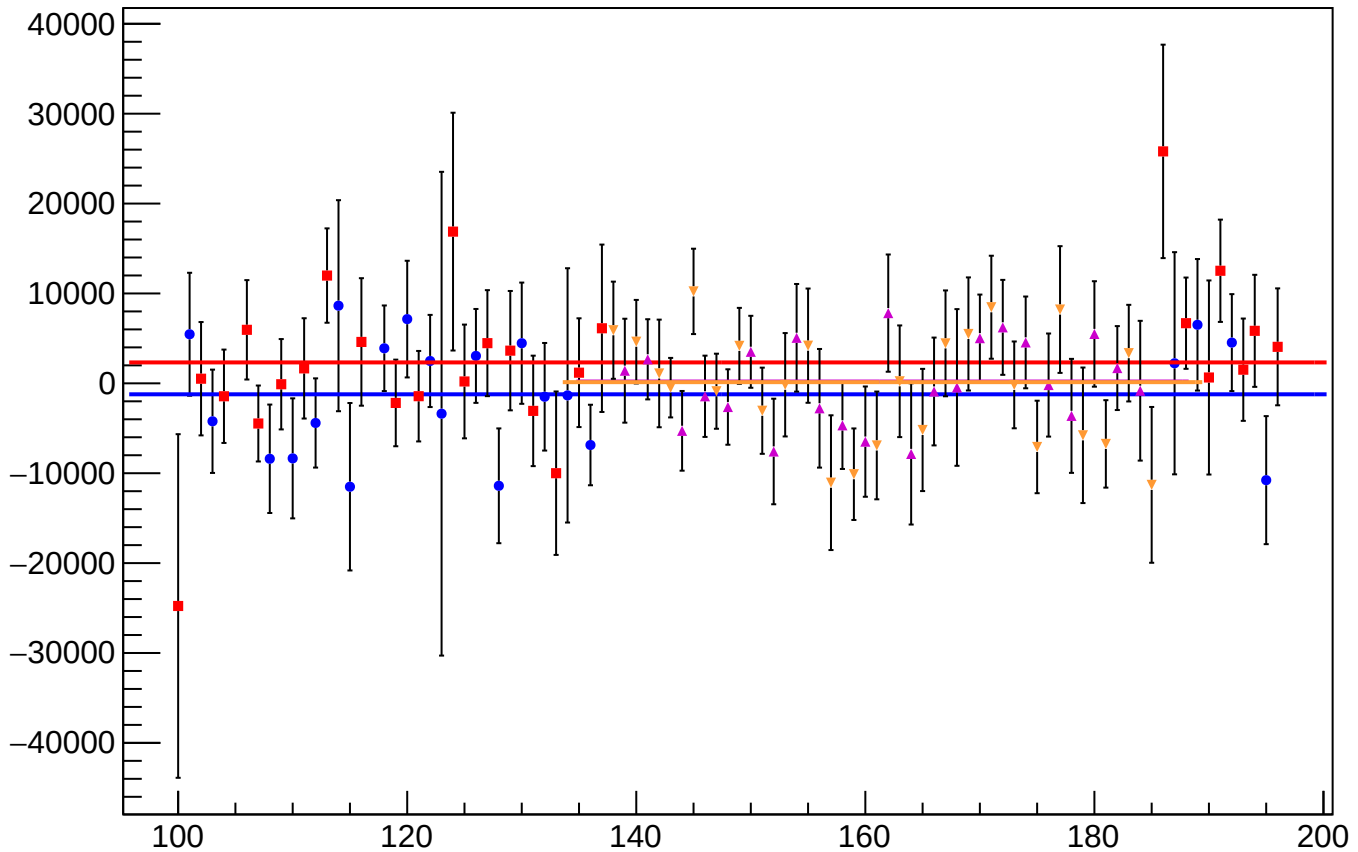
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4562.610+/-1.326 χ^2/NDF : 1108454.0/10

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1220.248 ± 1395.533 $\chi^2/\text{NDF}: 19.1/20$

Left Out: 132.142 ± 1065.543 $\chi^2/\text{NDF}: 28.1/24$

Right Out: 2326.647 ± 1204.465 $\chi^2/\text{NDF}: 23.4/25$

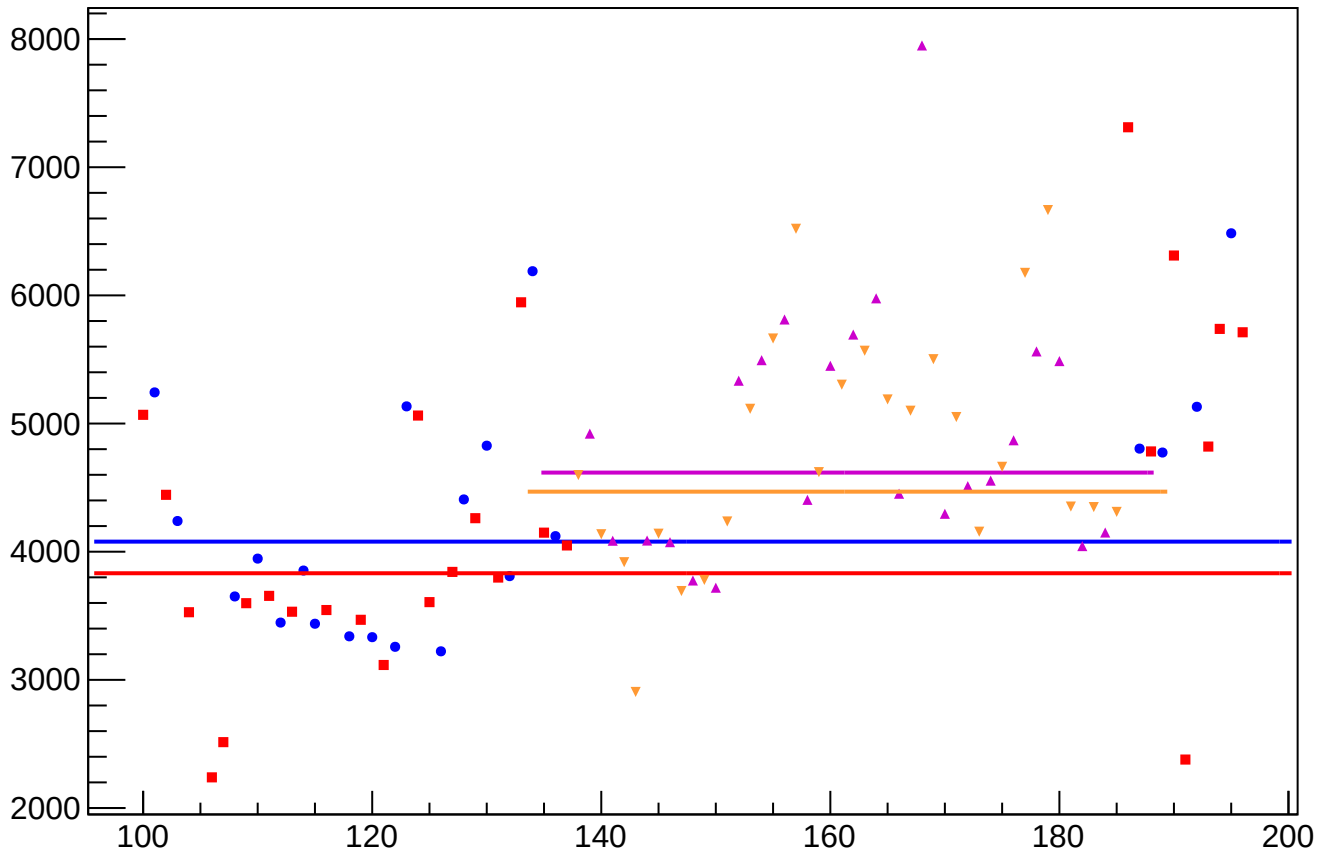
Left In: 200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

+ sign -365.922 ± 846.899 $\chi^2/\text{NDF}: 47.8/45$

All: 435.423 ± 589.688 $\chi^2/\text{NDF}: 89.4/94$

- sign 1189.547 ± 821.567 $\chi^2/\text{NDF}: 39.8/48$

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4078.596 $\pm$ 0.987 χ^2 /NDF: 703531.6/20

Left Out: 4468.520 $\pm$ 0.753 χ^2 /NDF:1380601.0/24

Right Out: 3831.882 $\pm$ 0.846 χ^2 /NDF: 1547193.7/25

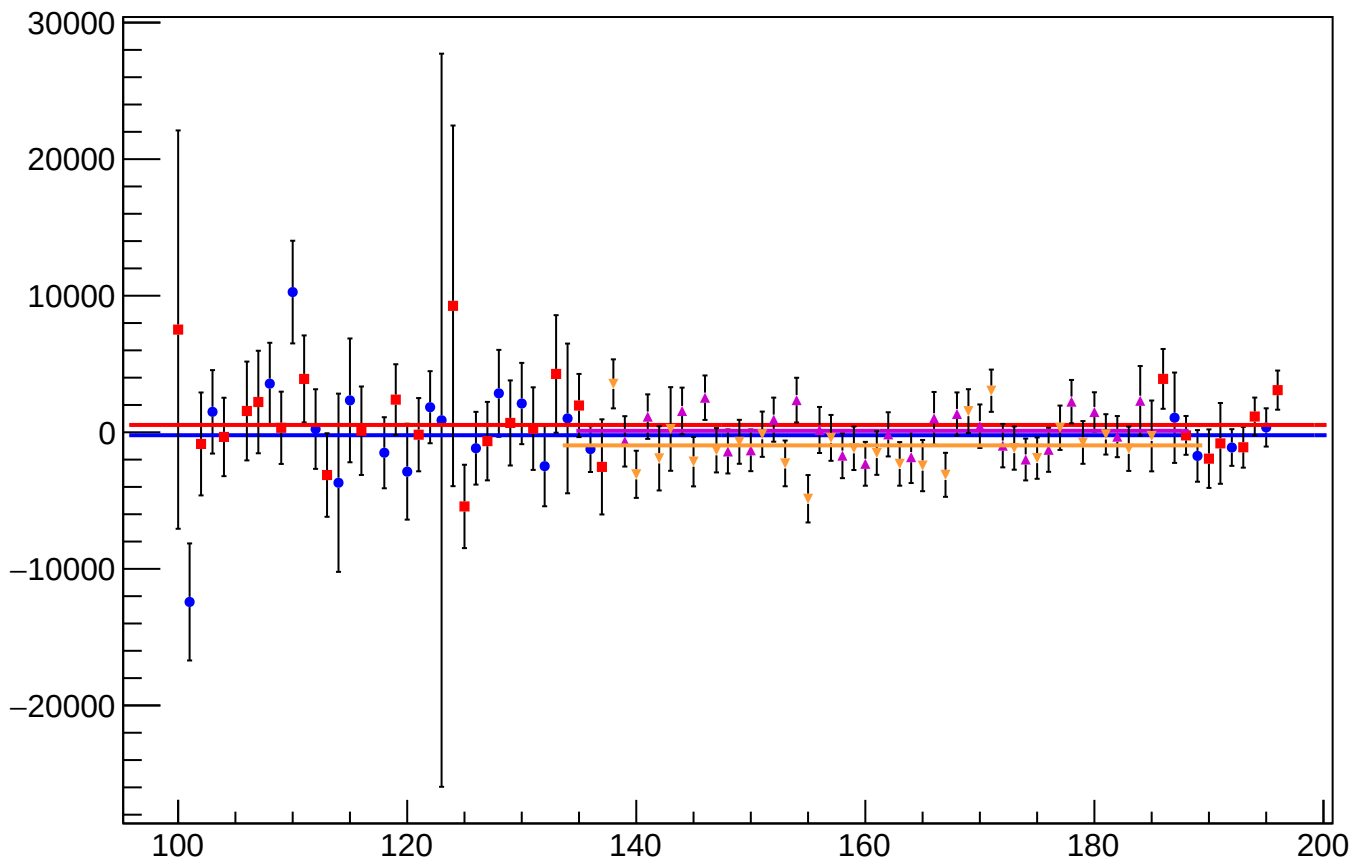
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 4324.913 $\pm$ 0.599 χ^2 /NDF: 2182770.2/45

All: 4285.753 $\pm$ 0.416 χ^2 /NDF: 5195989.5/94

- sign 4249.141 $\pm$ 0.579 χ^2 /NDF: 3004945.3/48

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -214.115 ± 559.069 χ^2/NDF : 23.9/20

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 537.504 ± 480.165 χ^2/NDF : 19.0/25

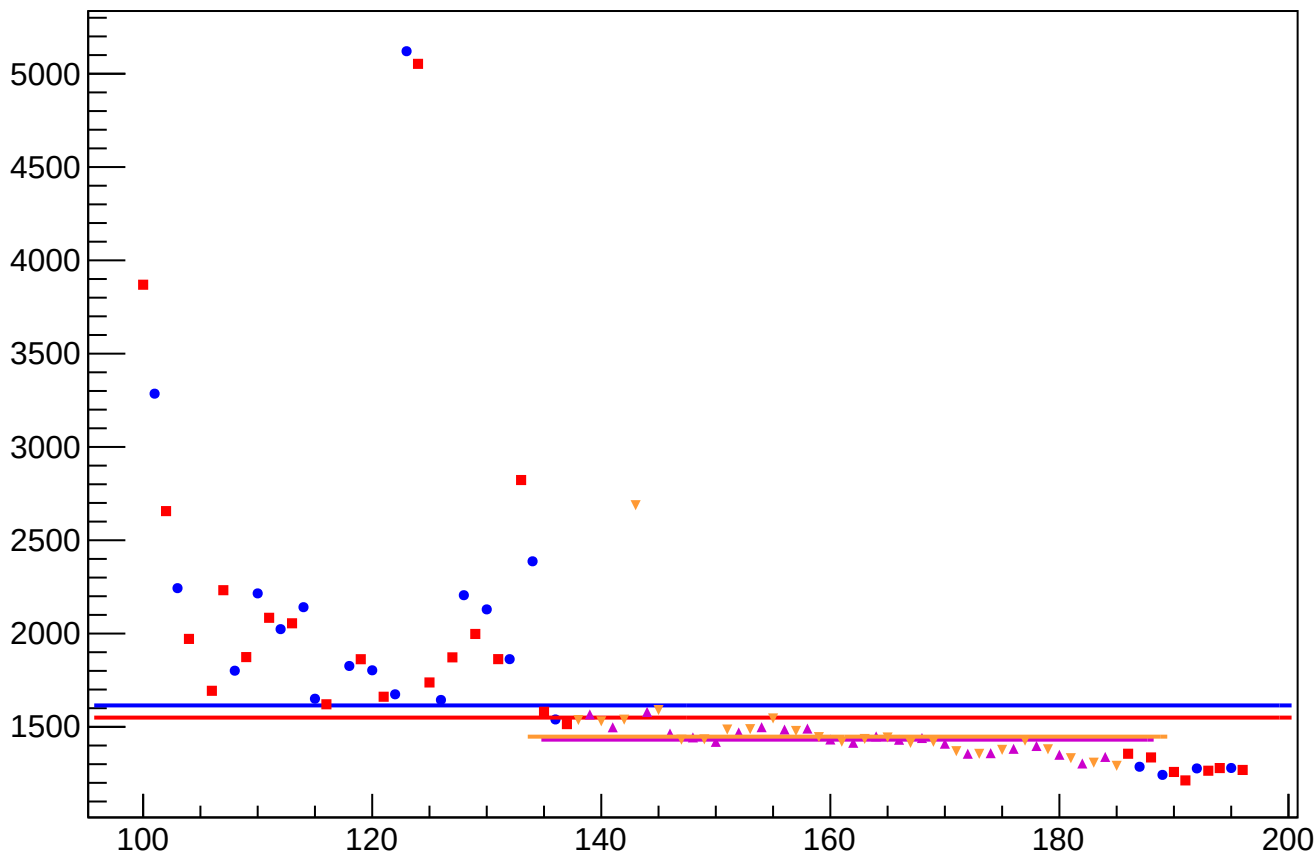
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -757.889 ± 290.183 χ^2/NDF : 53.8/45

All: -233.337 ± 201.292 χ^2/NDF : 99.0/94

- sign 253.165 ± 279.460 χ^2/NDF : 39.0/48

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1614.876+/-0.395 χ^2/NDF : 1079121.8/20

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1549.652+/-0.340 χ^2/NDF : 1271568.8/25

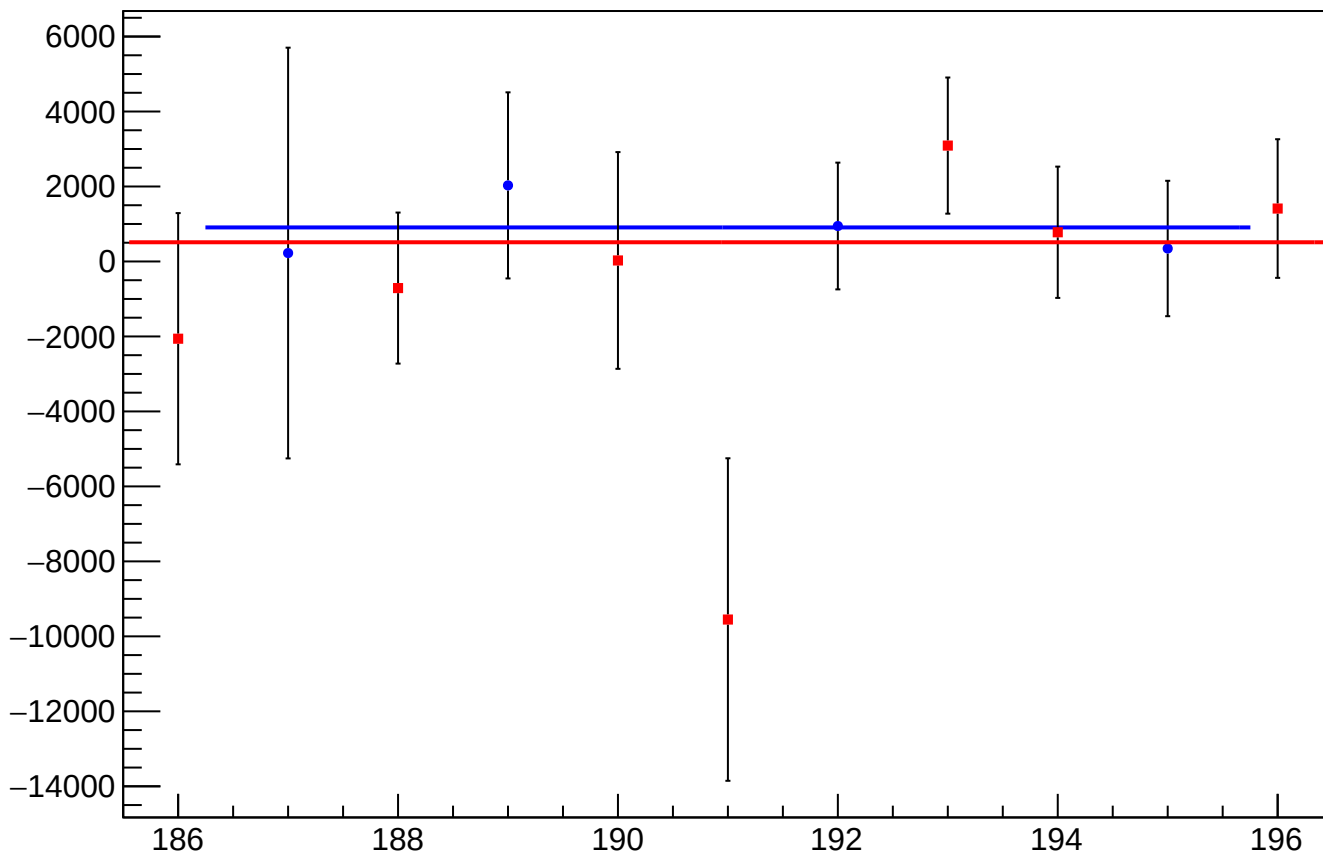
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1492.633+/-0.205 χ^2/NDF : 1629257.8/45

All: 1481.665+/-0.142 χ^2/NDF : 3061602.0/94

- sign 1471.493+/-0.198 χ^2/NDF : 1426837.6/48

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 908.210+/-1083.263 χ^2/NDF : 0.3/3

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

Right Out: 512.293+/-835.935 χ^2/NDF : 8.7/6

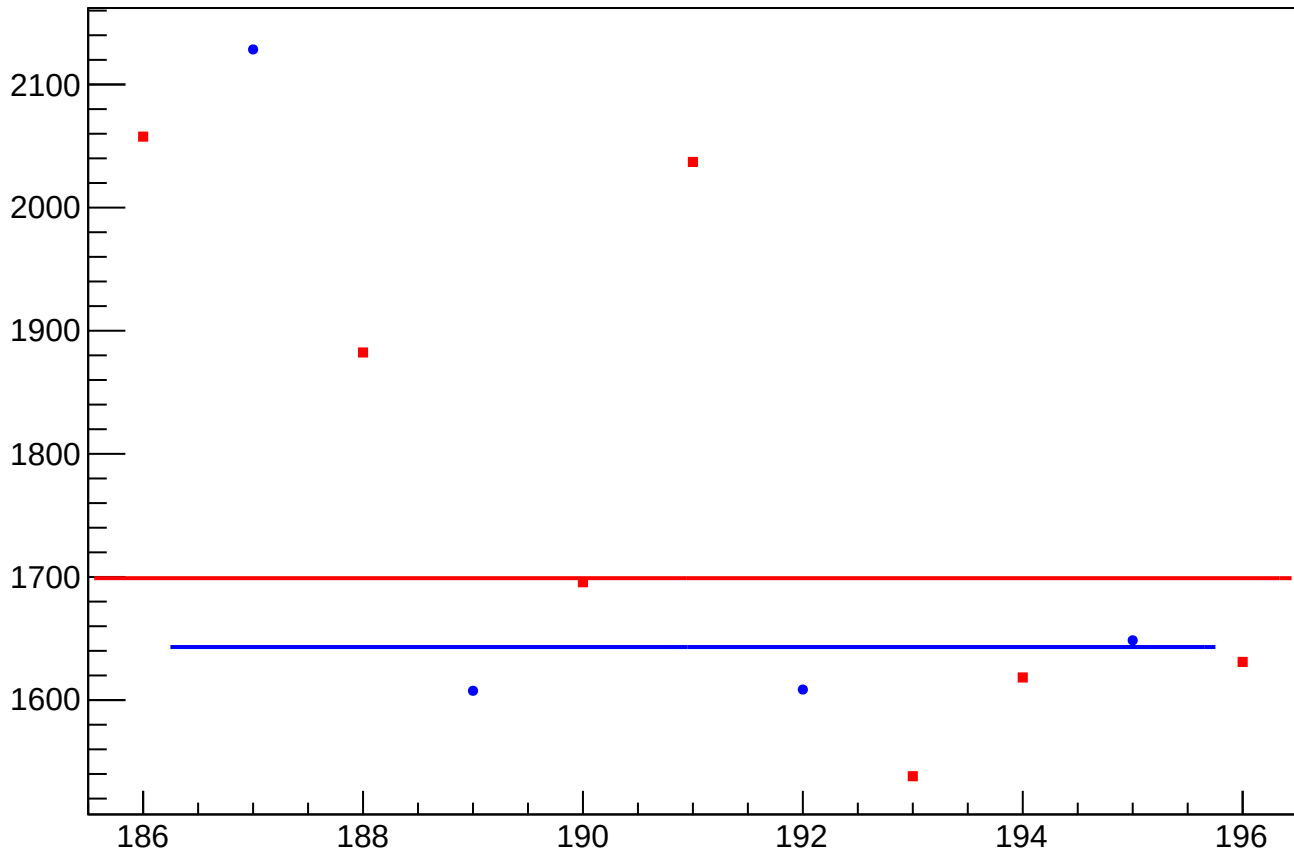
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 660.063+/-661.797 χ^2/NDF : 9.1/10

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1643.099+/-0.766 χ^2/NDF : 16961.3/3

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

Right Out: 1699.028+/-0.591 χ^2/NDF : 74463.5/6

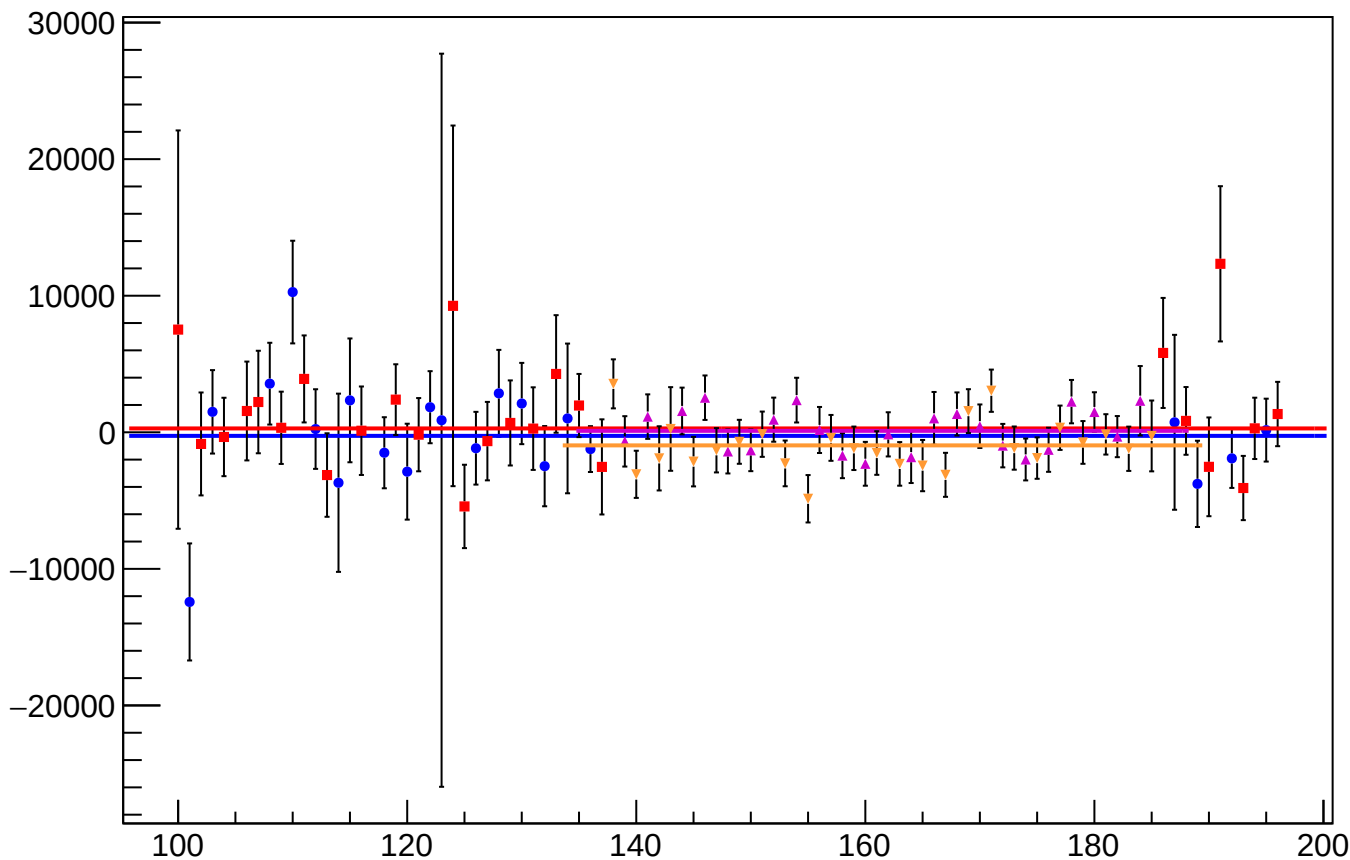
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1678.153+/-0.468 χ^2/NDF : 94766.3/10

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -261.948+/-660.664 χ^2/NDF : 24.5/20

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 282.701+/-604.477 χ^2/NDF : 20.8/25

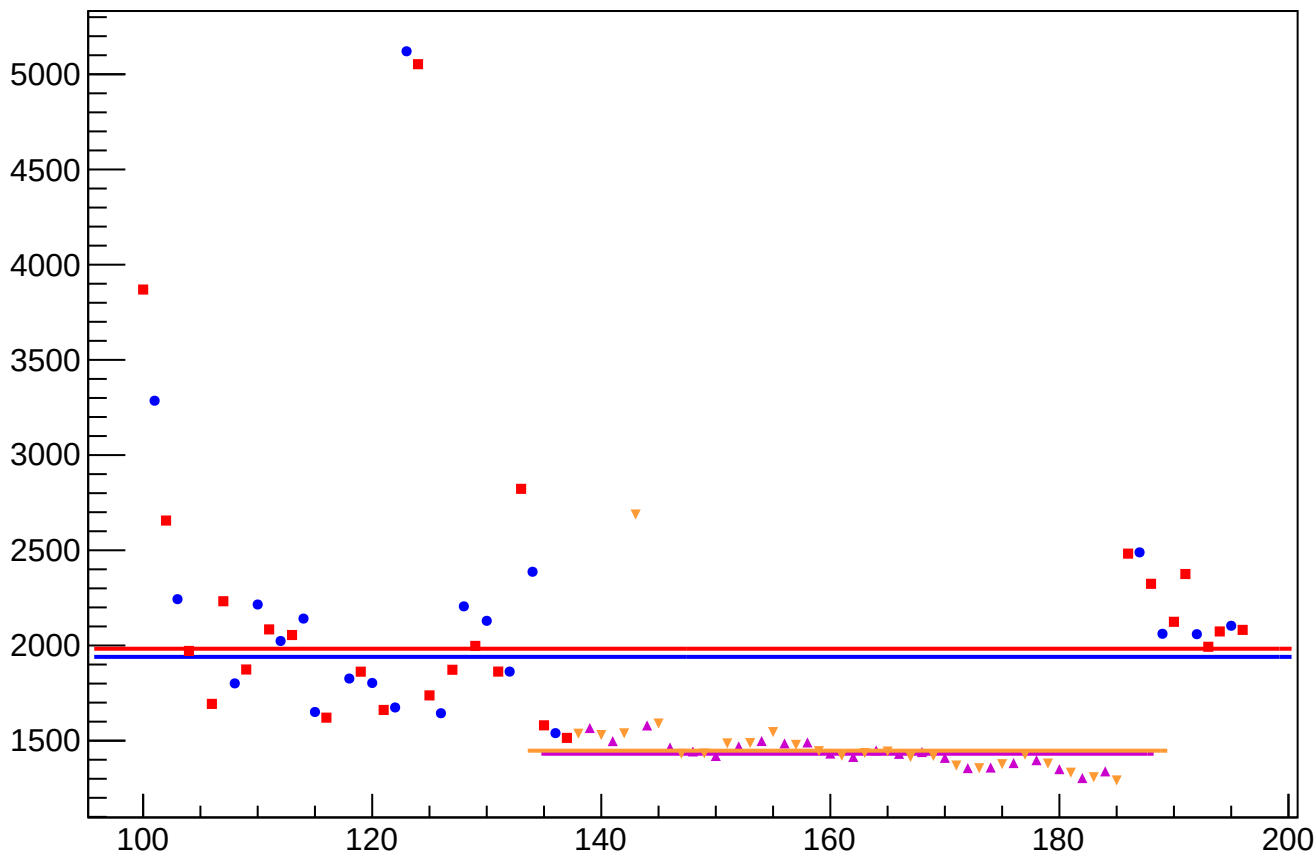
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -812.919+/-301.961 χ^2/NDF : 53.9/45

All: -326.167+/-212.376 χ^2/NDF : 99.3/94

- sign 150.306+/-298.755 χ^2/NDF : 40.3/48

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1940.175+/-0.467 χ^2/NDF : 507831.1/20

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1983.017+/-0.427 χ^2/NDF : 571523.2/25

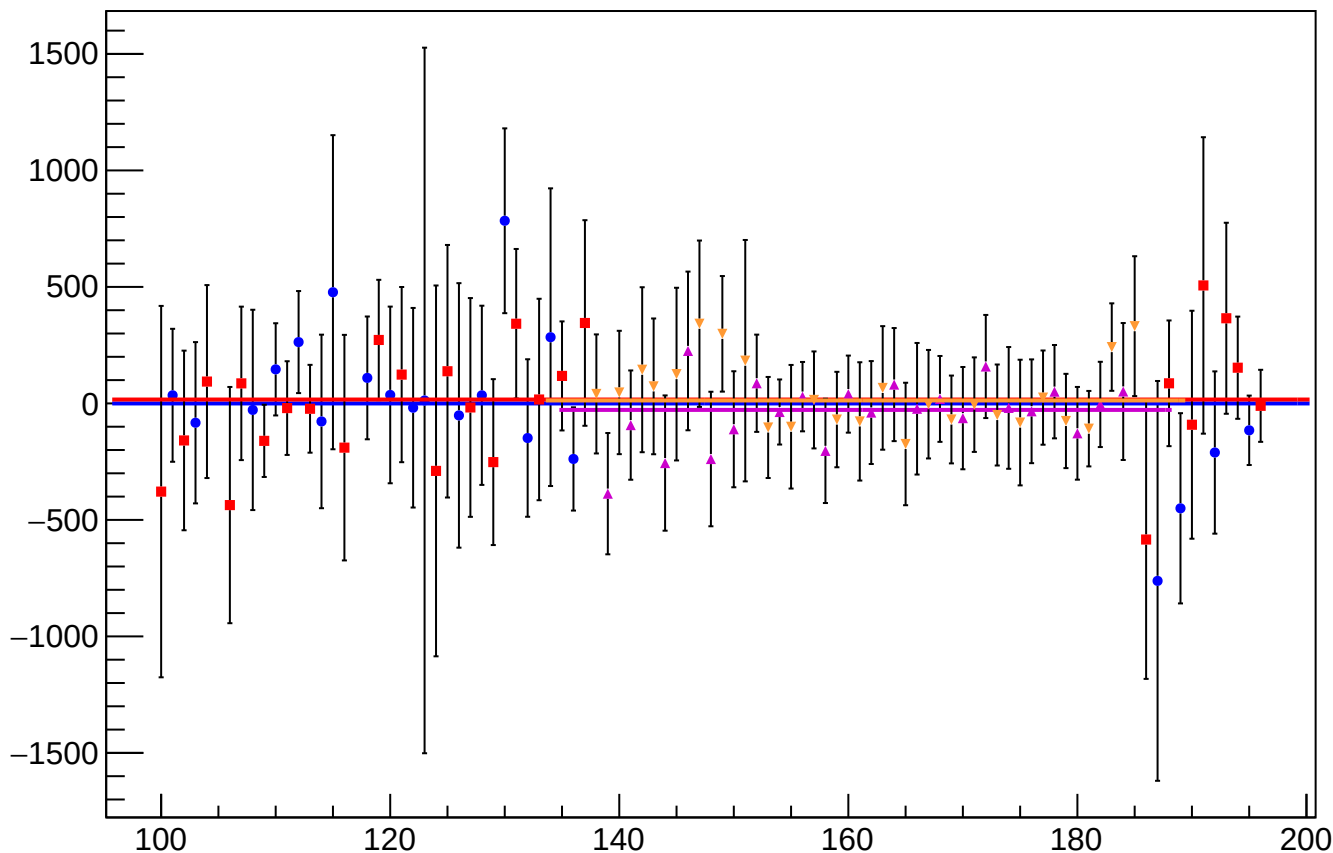
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1550.464+/-0.214 χ^2/NDF : 1806773.1/45

All: 1558.410+/-0.150 χ^2/NDF : 3714603.4/94

- sign 1566.188+/-0.211 χ^2/NDF : 1905089.9/48

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -0.200 ± 67.801 χ^2/NDF : 11.2/20

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 16.663 ± 58.150 χ^2/NDF : 9.4/25

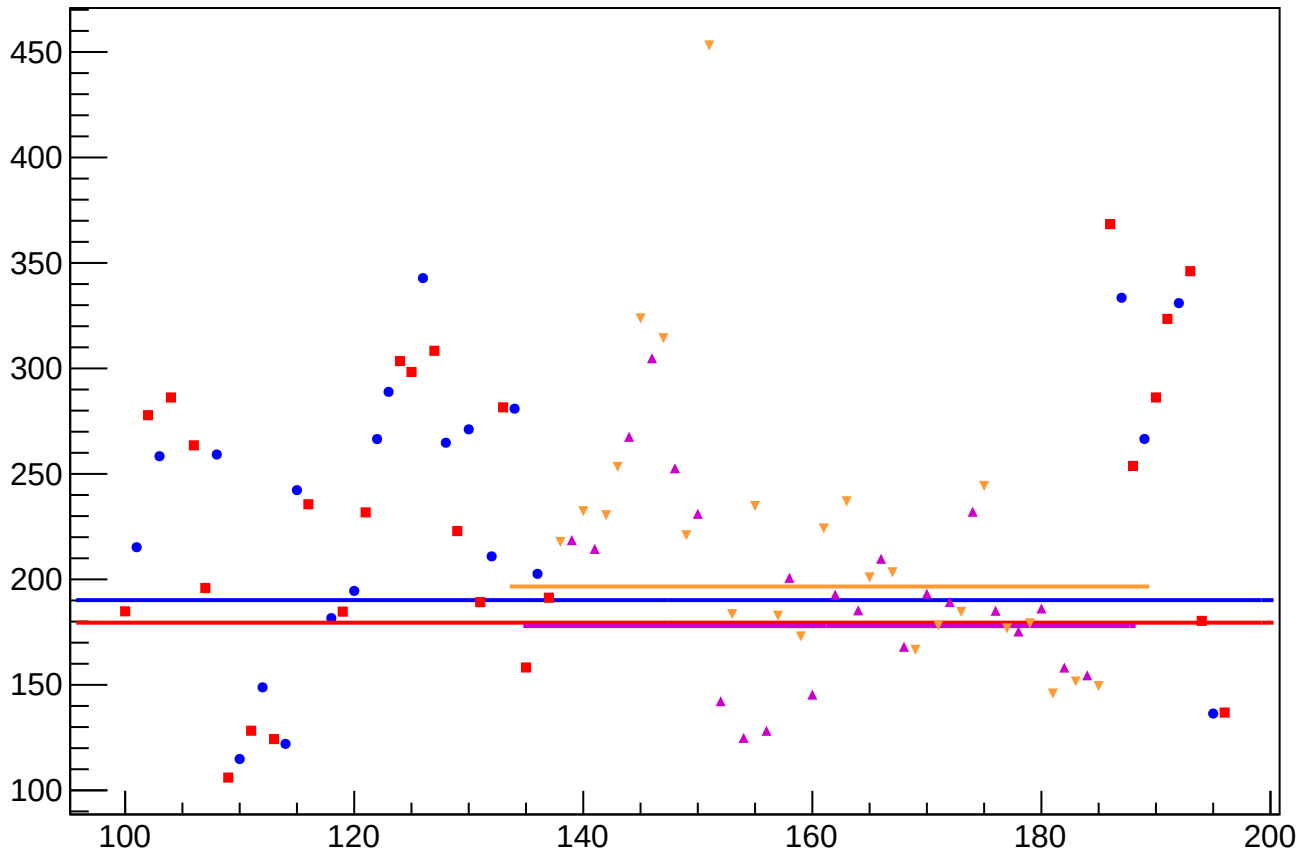
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign 8.400 ± 38.895 χ^2/NDF : 18.9/45

All: -2.467 ± 26.160 χ^2/NDF : 35.3/94

- sign -11.444 ± 35.351 χ^2/NDF : 16.3/48

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.159 $\pm$ 0.048 χ^2 /NDF: 1729880.3/20

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF: 1793507.9/24

Right Out: 179.489 $\pm$ 0.041 χ^2 /NDF: 2627416.2/25

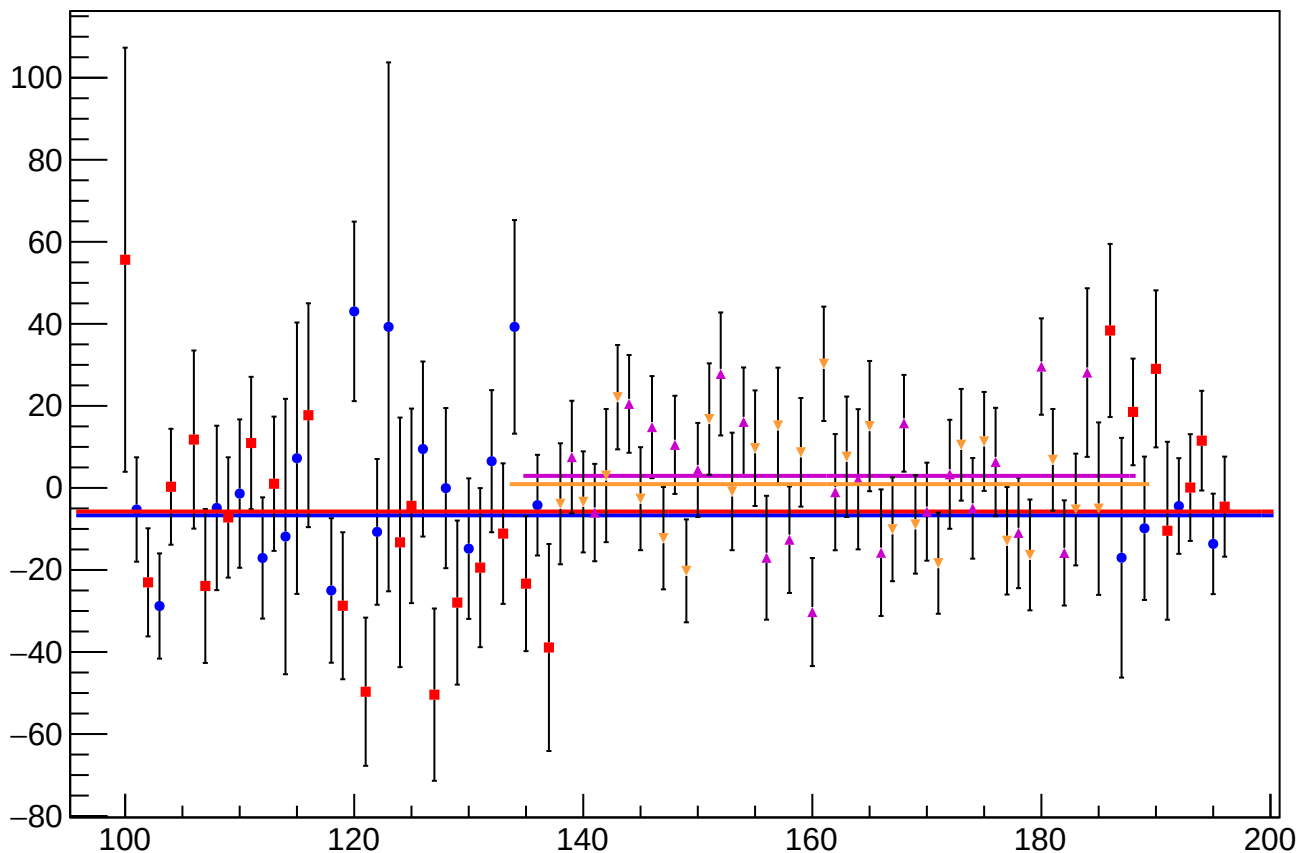
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF: 1644086.7/22

+ sign 194.494 $\pm$ 0.028 χ^2 /NDF: 3535569.8/45

All: 185.720 $\pm$ 0.018 χ^2 /NDF: 7993848.5/94

- sign 178.473 $\pm$ 0.025 χ^2 /NDF: 4272471.3/48

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.678 $\pm$ 3.752 χ^2 /NDF: 15.7/20

Left Out: 0.920 $\pm$ 2.696 χ^2 /NDF:24.0/24

Right Out: -5.747 $\pm$ 3.386 χ^2 /NDF: 37.2/25

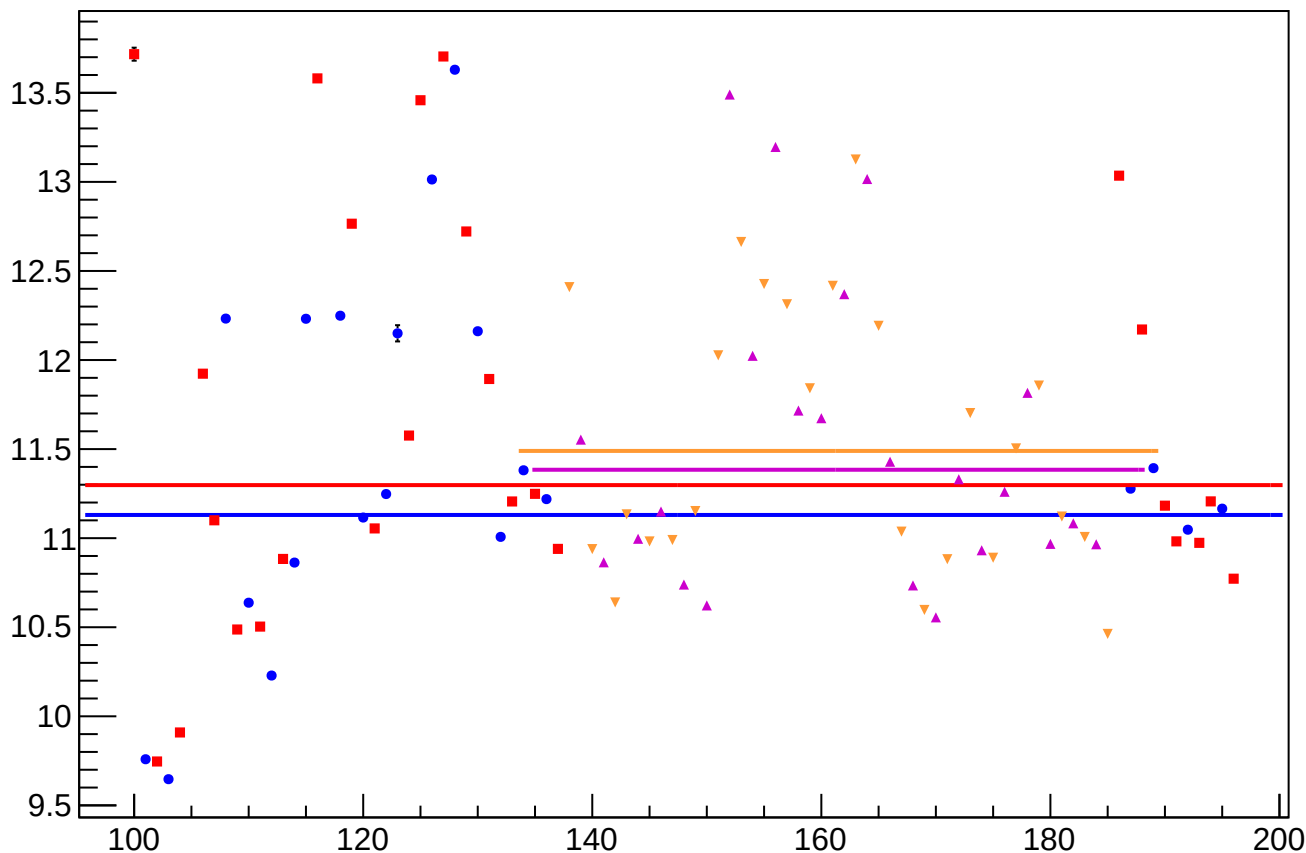
Left In: 2.941 $\pm$ 2.745 χ^2 /NDF:31.0/22

+ sign -1.668 $\pm$ 2.189 χ^2 /NDF: 42.4/45

All: -1.070 $\pm$ 1.528 χ^2 /NDF: 114.8/94

- sign -0.504 $\pm$ 2.132 χ^2 /NDF: 72.2/48

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.130 $\pm$ 0.003 χ^2 /NDF: 132588.6/20

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 11.298 $\pm$ 0.002 χ^2 /NDF: 176982.2/25

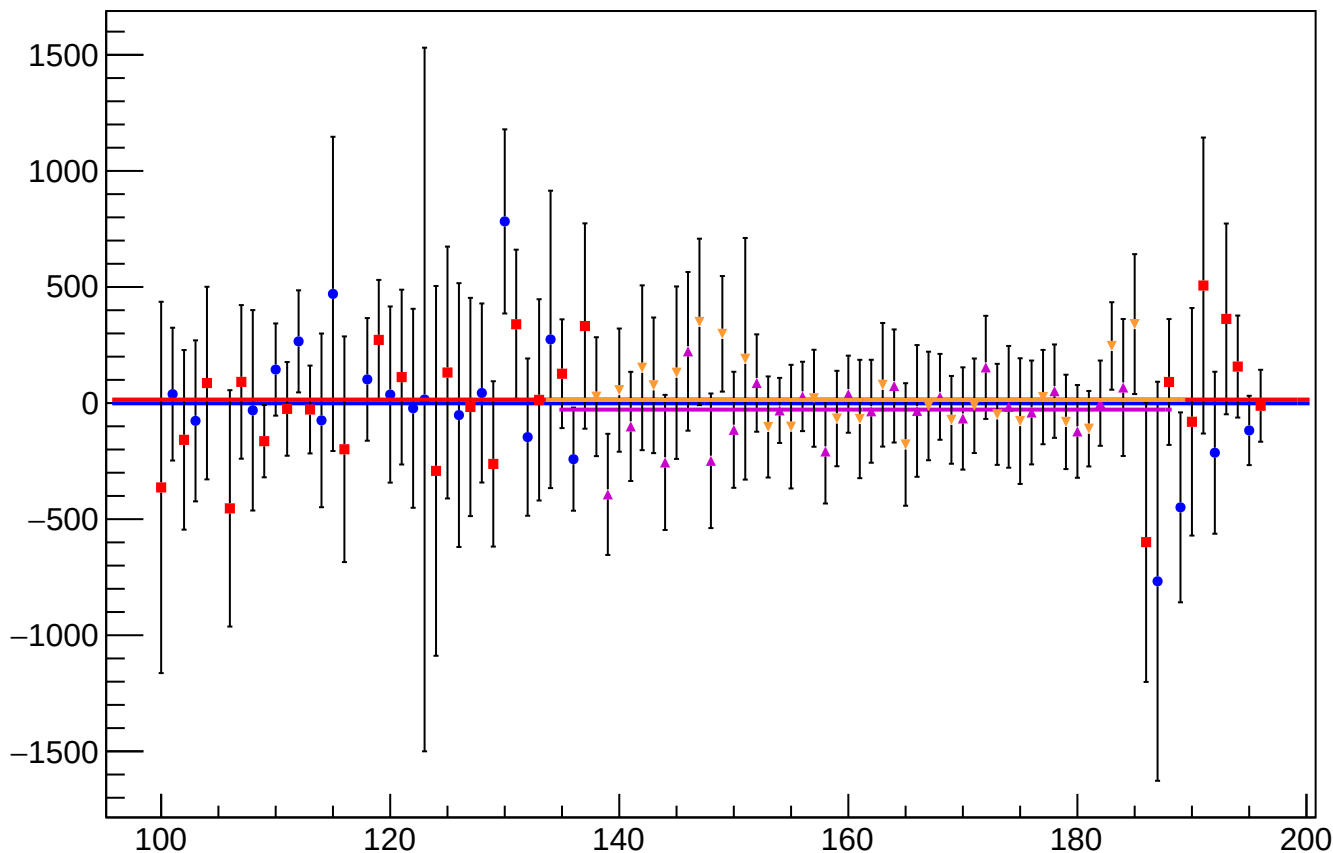
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.367 $\pm$ 0.002 χ^2 /NDF: 277096.0/45

All: 11.358 $\pm$ 0.001 χ^2 /NDF: 604725.7/94

- sign 11.350 $\pm$ 0.002 χ^2 /NDF: 327564.5/48

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -1.091 ± 67.970 χ^2/NDF : 11.2/20

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 15.185 ± 58.316 χ^2/NDF : 9.5/25

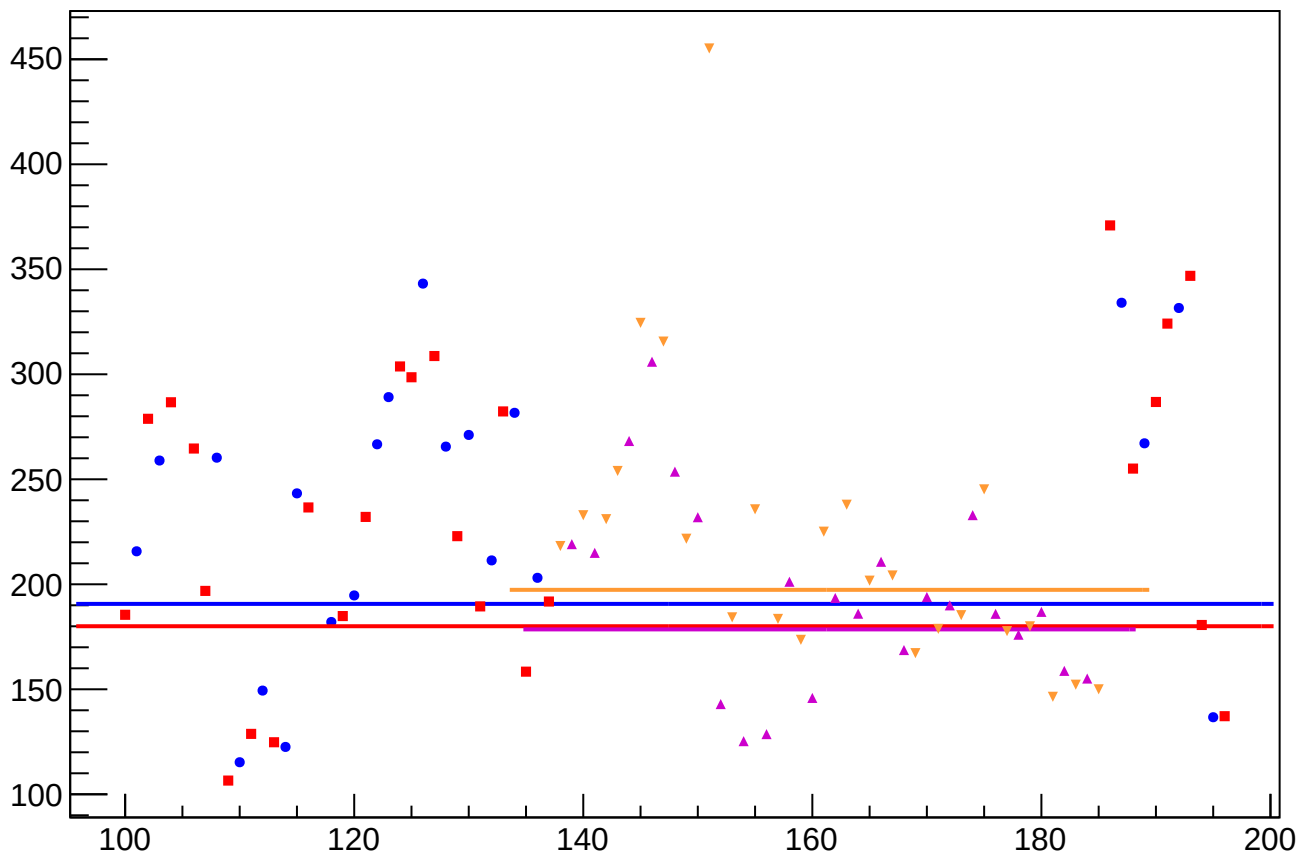
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign 8.572 ± 39.024 χ^2/NDF : 19.1/45

All: -2.726 ± 26.247 χ^2/NDF : 35.7/94

- sign -12.057 ± 35.467 χ^2/NDF : 16.5/48

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 190.663 $\pm$ 0.048 χ^2 /NDF: 1724797.4/20

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF: 1790824.5/24

Right Out: 180.025 $\pm$ 0.041 χ^2 /NDF: 2622642.0/25

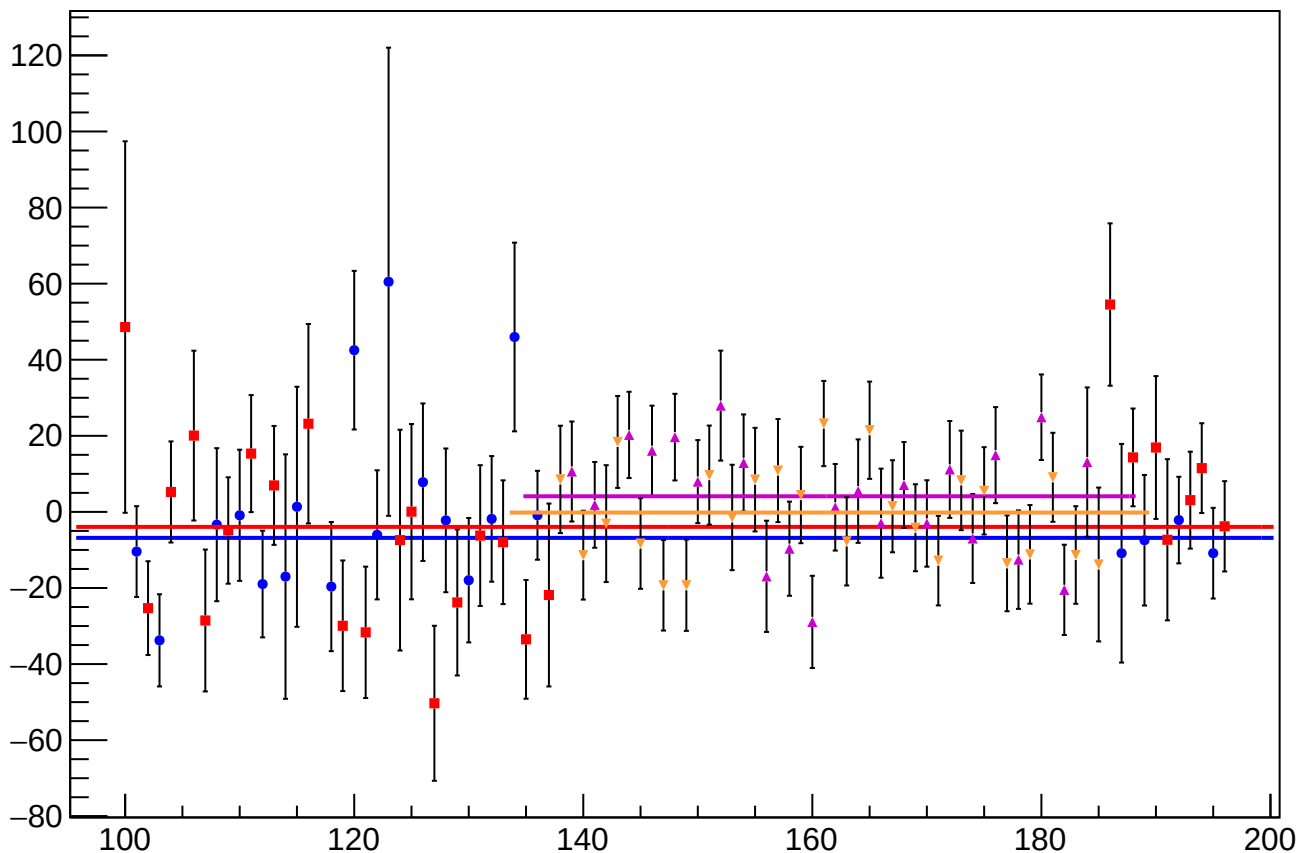
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF: 1642304.1/22

+ sign 195.149 $\pm$ 0.028 χ^2 /NDF: 3528620.7/45

All: 186.345 $\pm$ 0.019 χ^2 /NDF: 7980321.0/94

- sign 179.072 $\pm$ 0.025 χ^2 /NDF: 4265794.2/48

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.827 ± 3.601 χ^2/NDF : 19.7/20

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -3.938 ± 3.267 χ^2/NDF : 38.8/25

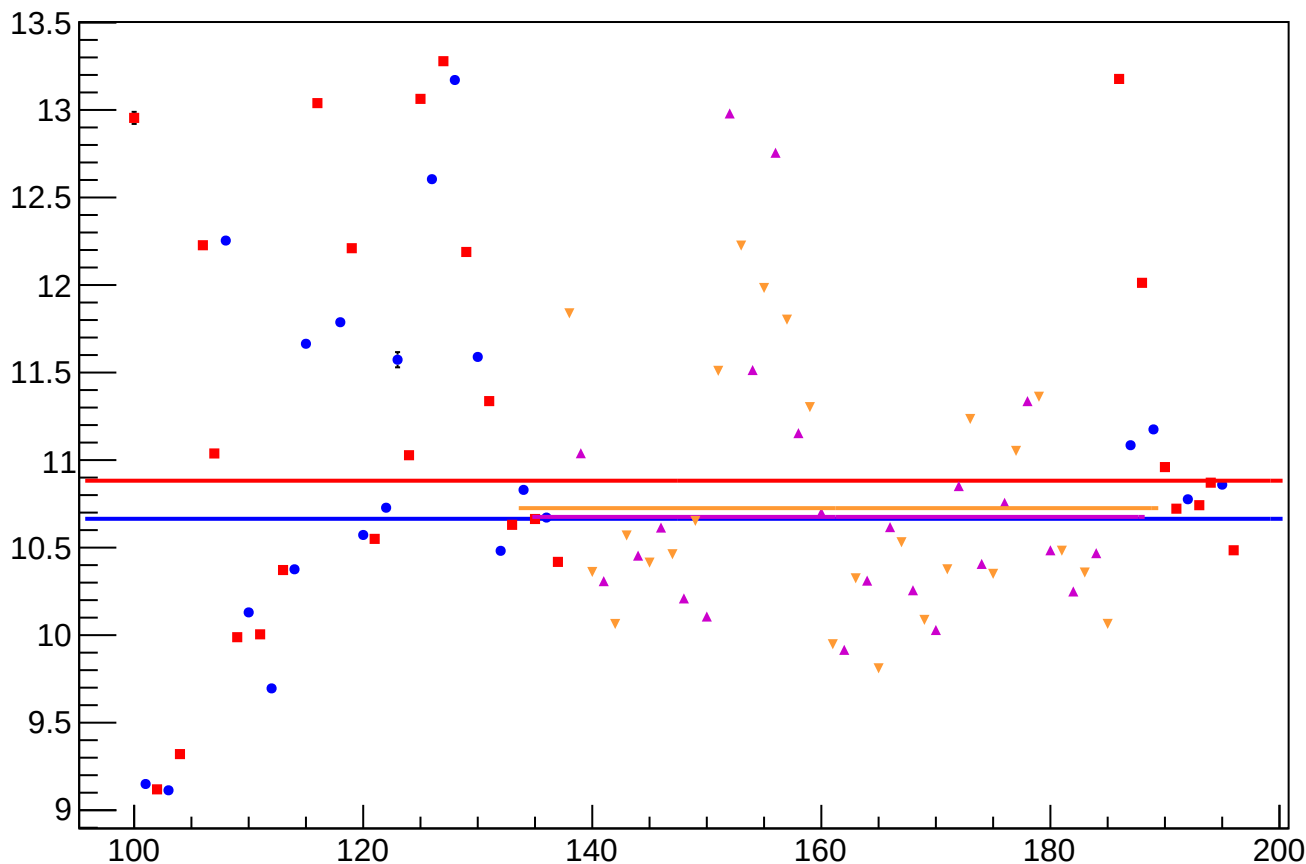
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -2.359 ± 2.065 χ^2/NDF : 46.3/45

All: -0.635 ± 1.445 χ^2/NDF : 121.8/94

- sign 1.021 ± 2.024 χ^2/NDF : 74.1/48

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.665 $\pm$ 0.003 χ^2 /NDF: 162844.1/20

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.882 $\pm$ 0.002 χ^2 /NDF: 221557.8/25

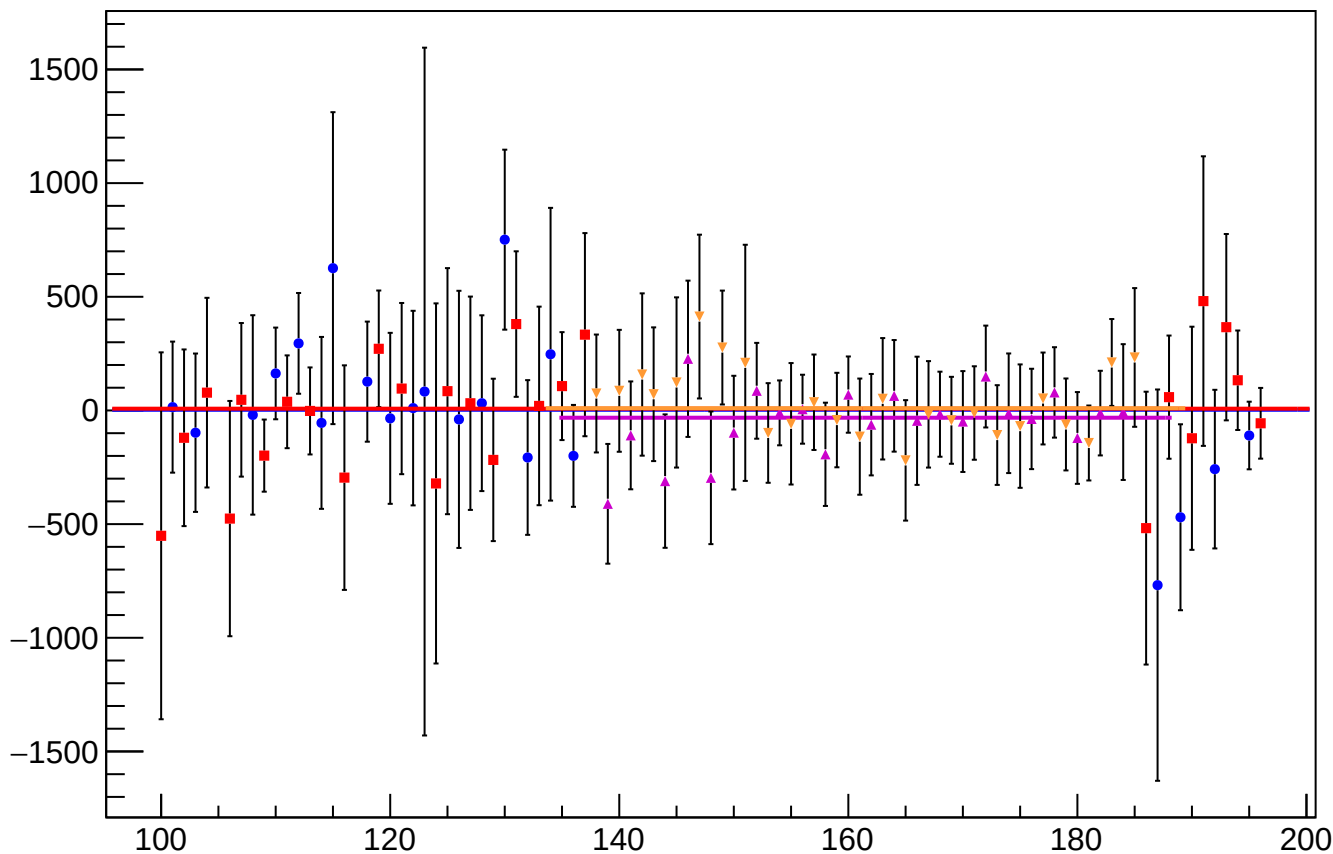
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.705 $\pm$ 0.001 χ^2 /NDF: 295398.5/45

All: 10.731 $\pm$ 0.001 χ^2 /NDF: 668413.2/94

- sign 10.755 $\pm$ 0.001 χ^2 /NDF: 372433.5/48

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 3.061 ± 68.239 χ^2/NDF : 11.7/20

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 7.774 ± 58.710 χ^2/NDF : 10.0/25

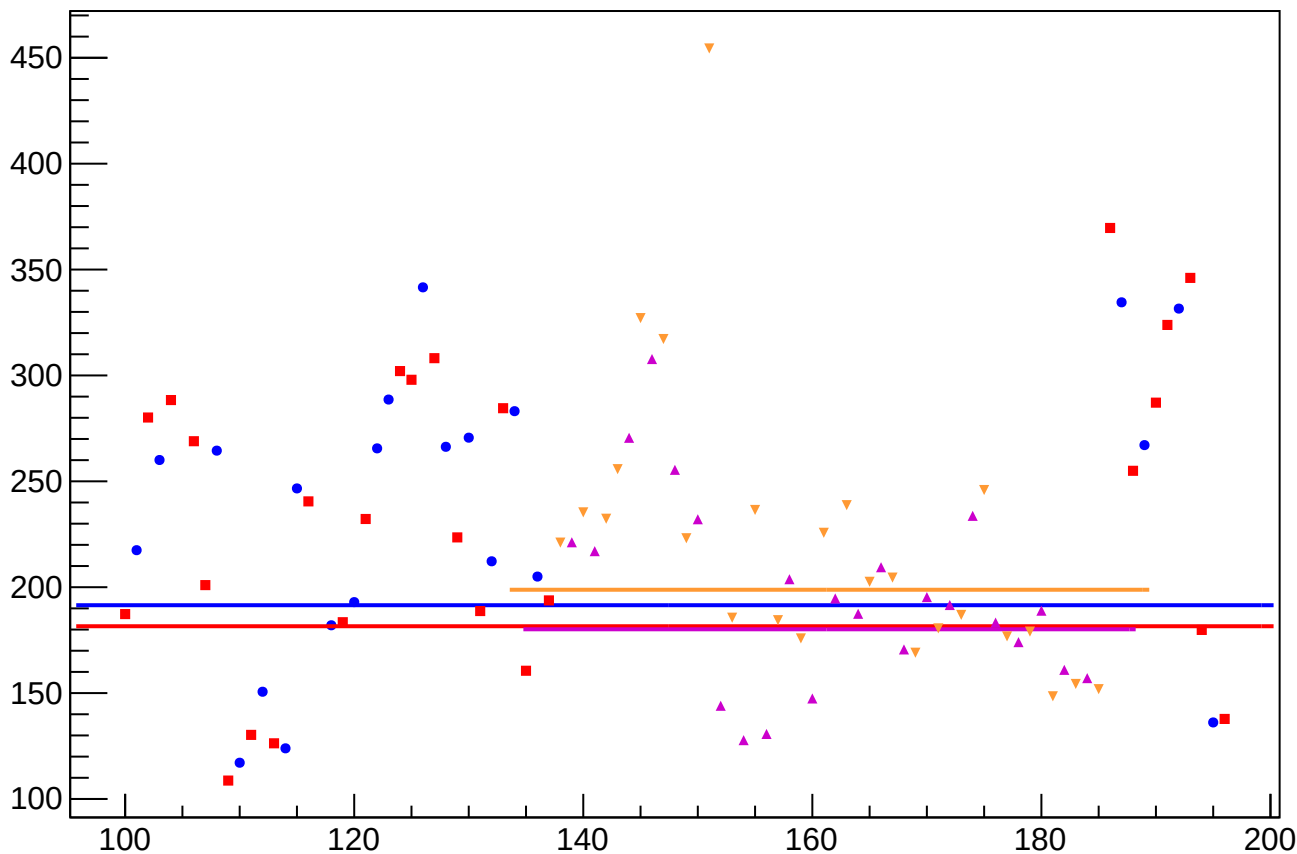
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign 7.572 ± 39.248 χ^2/NDF : 19.3/45

All: -6.004 ± 26.423 χ^2/NDF : 37.0/94

- sign -17.258 ± 35.735 χ^2/NDF : 17.5/48

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 191.496+/-0.048 χ^2/NDF : 1710597.5/20

Left Out: 198.800+/-0.034 χ^2/NDF :1763119.1/24

Right Out: 181.569+/-0.042 χ^2/NDF : 2561078.0/25

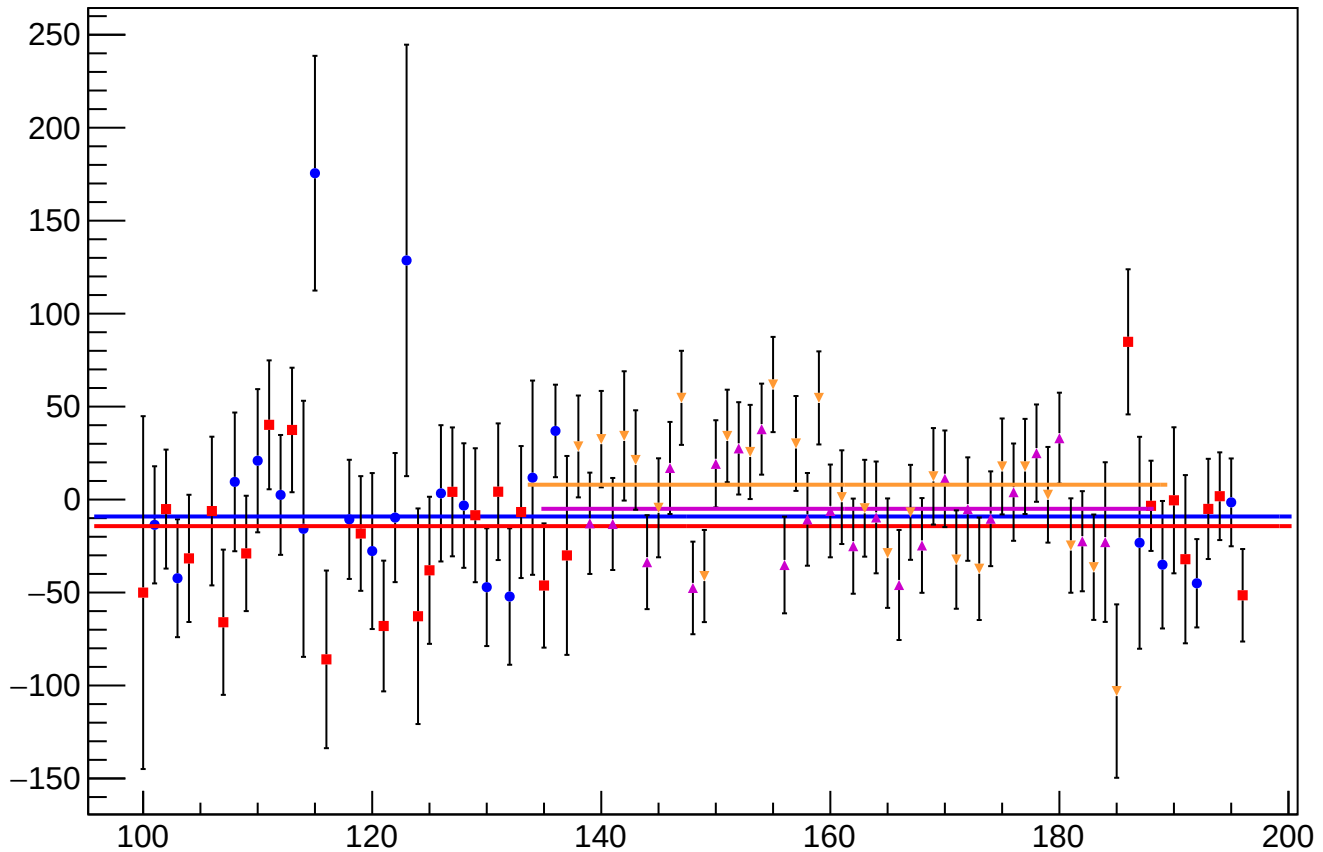
Left In: 180.123+/-0.032 χ^2/NDF :1593842.6/22

+ sign 196.384+/-0.028 χ^2/NDF : 3489049.9/45

All: 187.786+/-0.019 χ^2/NDF : 7820274.0/94

- sign 180.659+/-0.025 χ^2/NDF : 4155684.2/48

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -9.101 ± 7.593 $\chi^2/\text{NDF}: 21.8/20$

Left Out: 7.990 ± 5.327 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -14.293 ± 6.760 $\chi^2/\text{NDF}: 24.4/25$

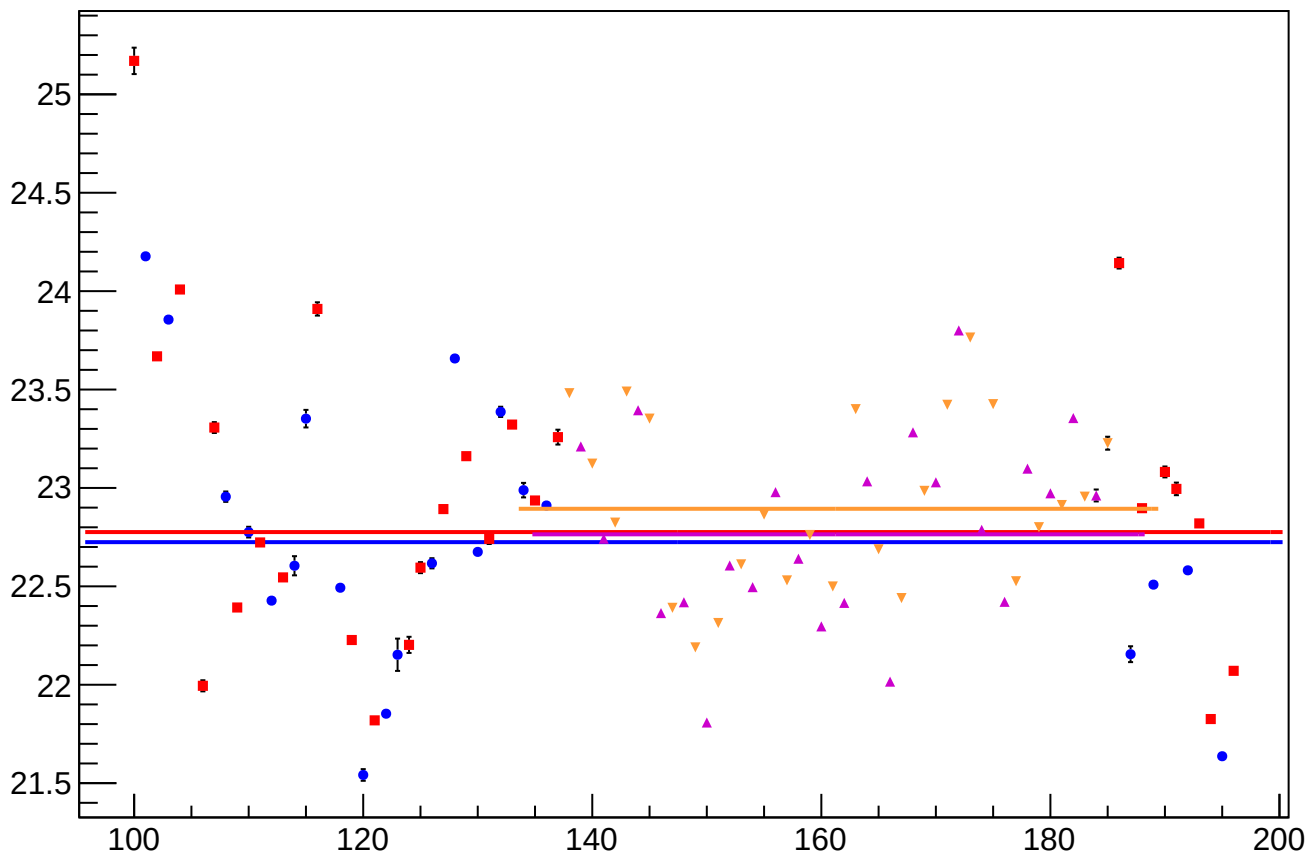
Left In: -4.973 ± 5.444 $\chi^2/\text{NDF}: 20.5/22$

+ sign 2.352 ± 4.361 $\chi^2/\text{NDF}: 62.7/45$

All: -3.298 ± 3.040 $\chi^2/\text{NDF}: 111.9/94$

- sign -8.640 ± 4.240 $\chi^2/\text{NDF}: 46.0/48$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.725 $\pm$ 0.005 χ^2 /NDF: 17236.3/20

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.776 $\pm$ 0.005 χ^2 /NDF: 18905.5/25

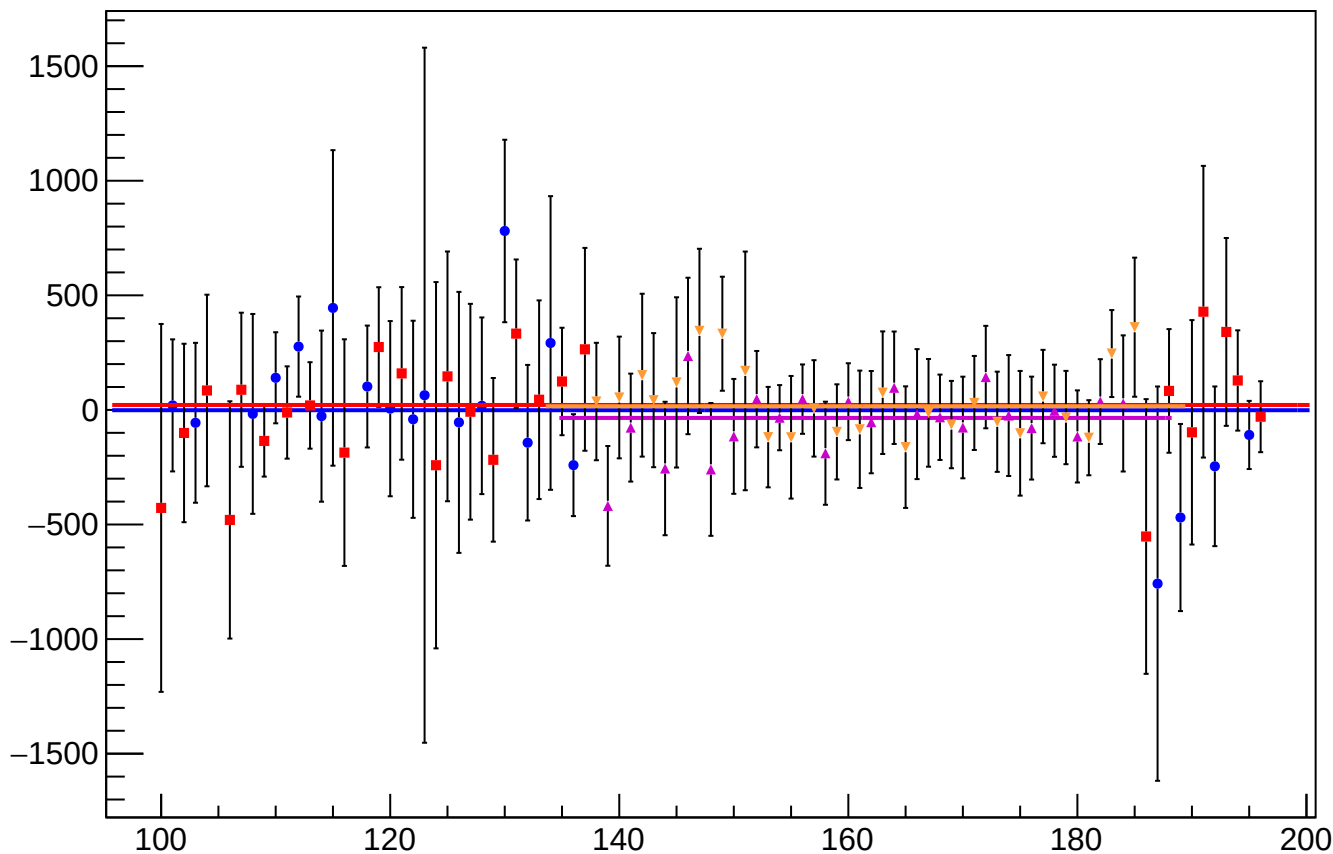
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.838 $\pm$ 0.003 χ^2 /NDF: 30974.9/45

All: 22.803 $\pm$ 0.002 χ^2 /NDF: 64809.8/94

- sign 22.769 $\pm$ 0.003 χ^2 /NDF: 33574.6/48

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -1.278 ± 68.017 χ^2/NDF : 11.3/20

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 21.635 ± 58.368 χ^2/NDF : 8.1/25

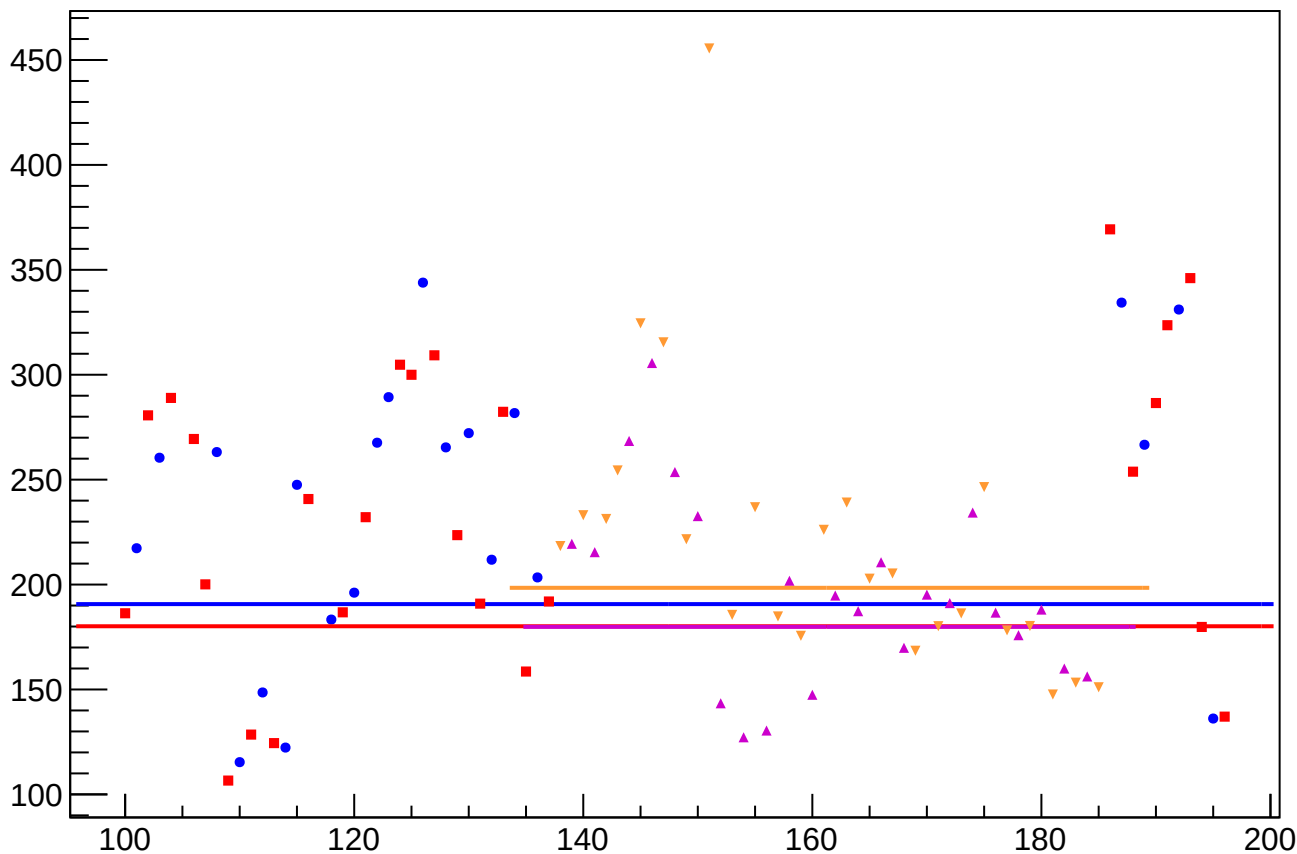
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign 10.208 ± 39.162 χ^2/NDF : 19.7/45

All: -2.958 ± 26.352 χ^2/NDF : 35.2/94

- sign -13.853 ± 35.624 χ^2/NDF : 15.3/48

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.685 $\pm$ 0.048 χ^2 /NDF: 1746152.6/20

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF:1761433.9/24

Right Out: 180.127 $\pm$ 0.041 χ^2 /NDF: 2641452.1/25

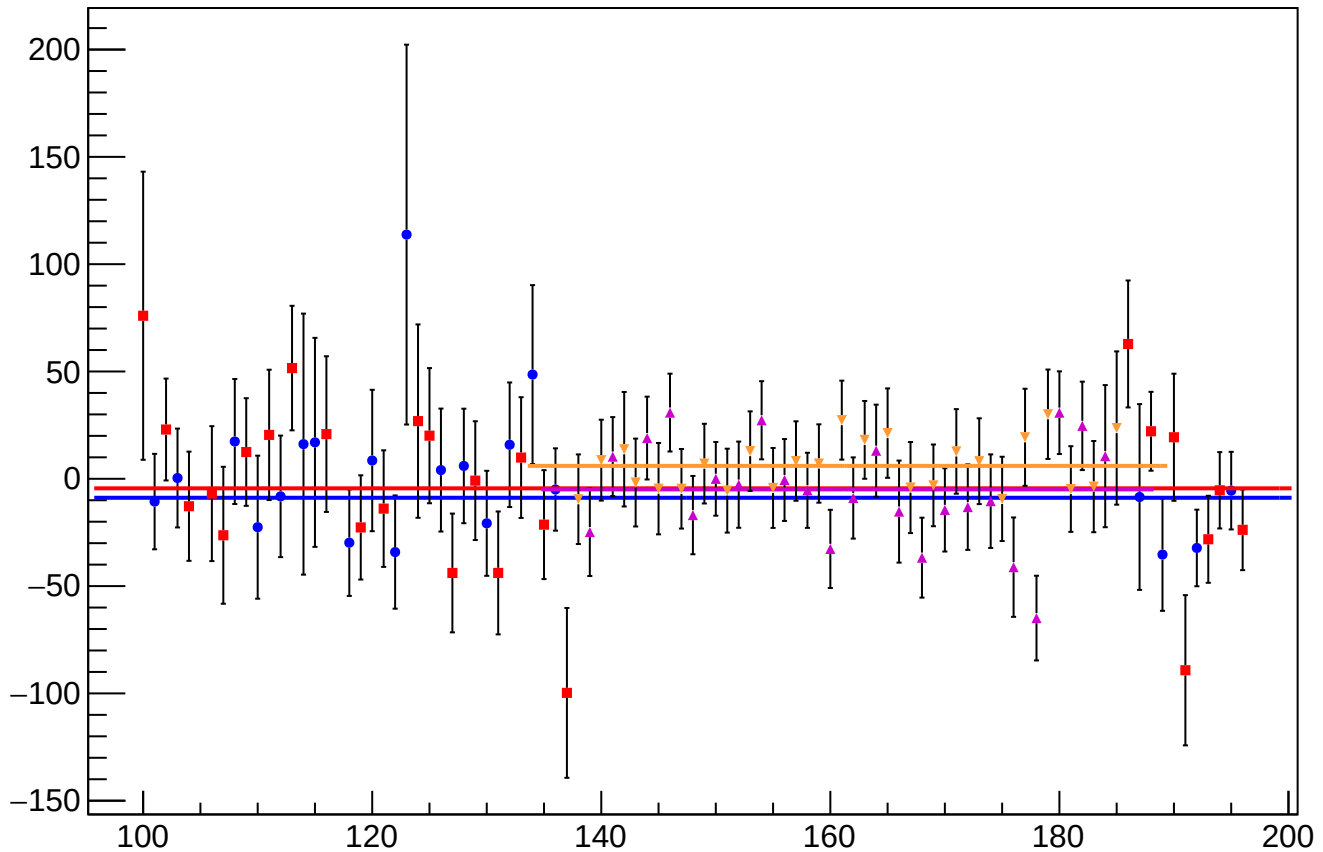
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF:1588834.3/22

+ sign 195.876 $\pm$ 0.028 χ^2 /NDF: 3525010.8/45

All: 187.159 $\pm$ 0.019 χ^2 /NDF: 7936398.4/94

- sign 179.946 $\pm$ 0.025 χ^2 /NDF: 4230316.9/48

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -8.843 $\pm$ 5.872 χ^2/NDF : 11.6/20

Left Out: 6.020 $\pm$ 4.017 χ^2/NDF : 8.1/24

Right Out: -4.445 $\pm$ 5.235 χ^2/NDF : 37.1/25

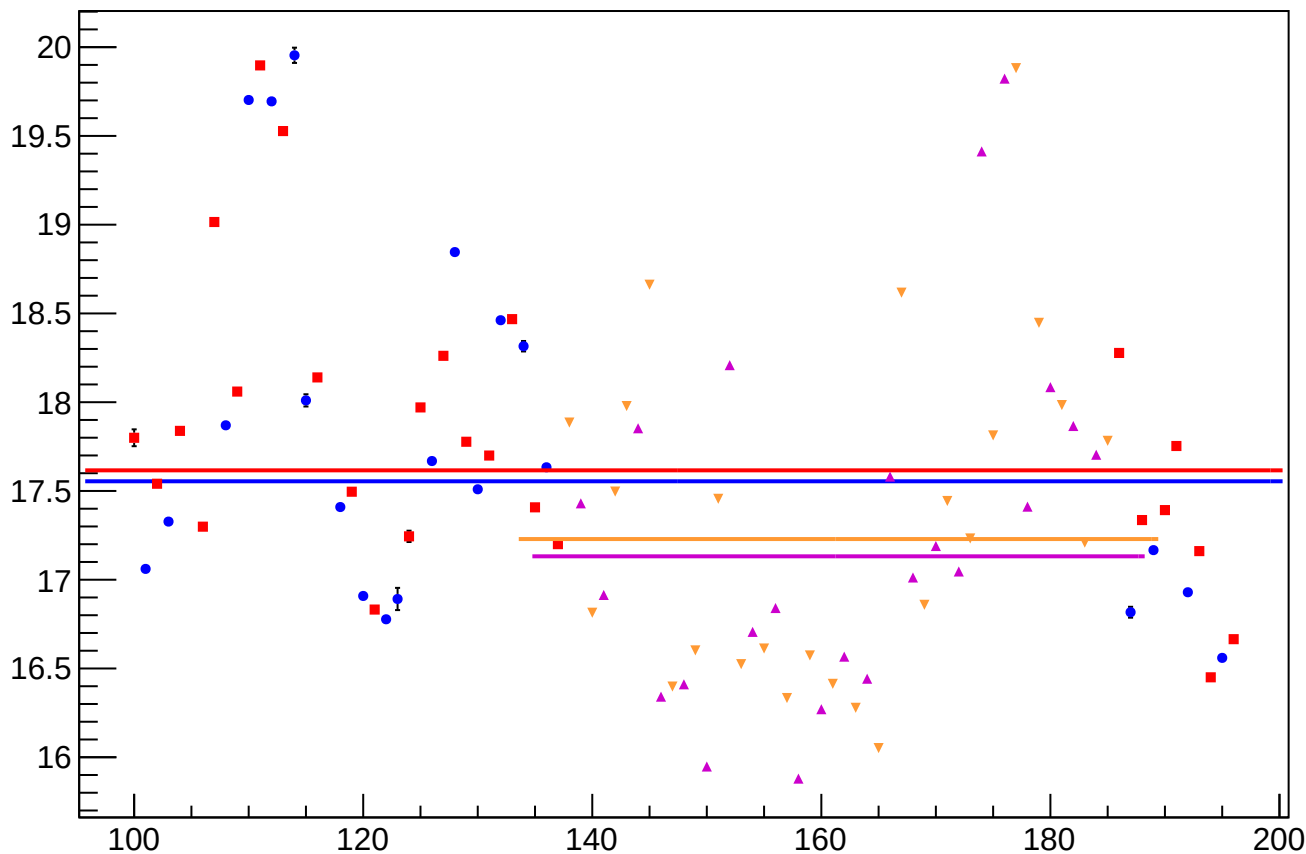
Left In: -4.943 $\pm$ 4.108 χ^2/NDF : 34.8/22

+ sign 1.281 $\pm$ 3.316 χ^2/NDF : 24.1/45

All: -1.813 $\pm$ 2.314 χ^2/NDF : 97.8/94

- sign -4.753 $\pm$ 3.232 χ^2/NDF : 72.0/48

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.555 $\pm$ 0.004 χ^2 /NDF: 44019.0/20

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 17.616 $\pm$ 0.004 χ^2 /NDF: 47047.8/25

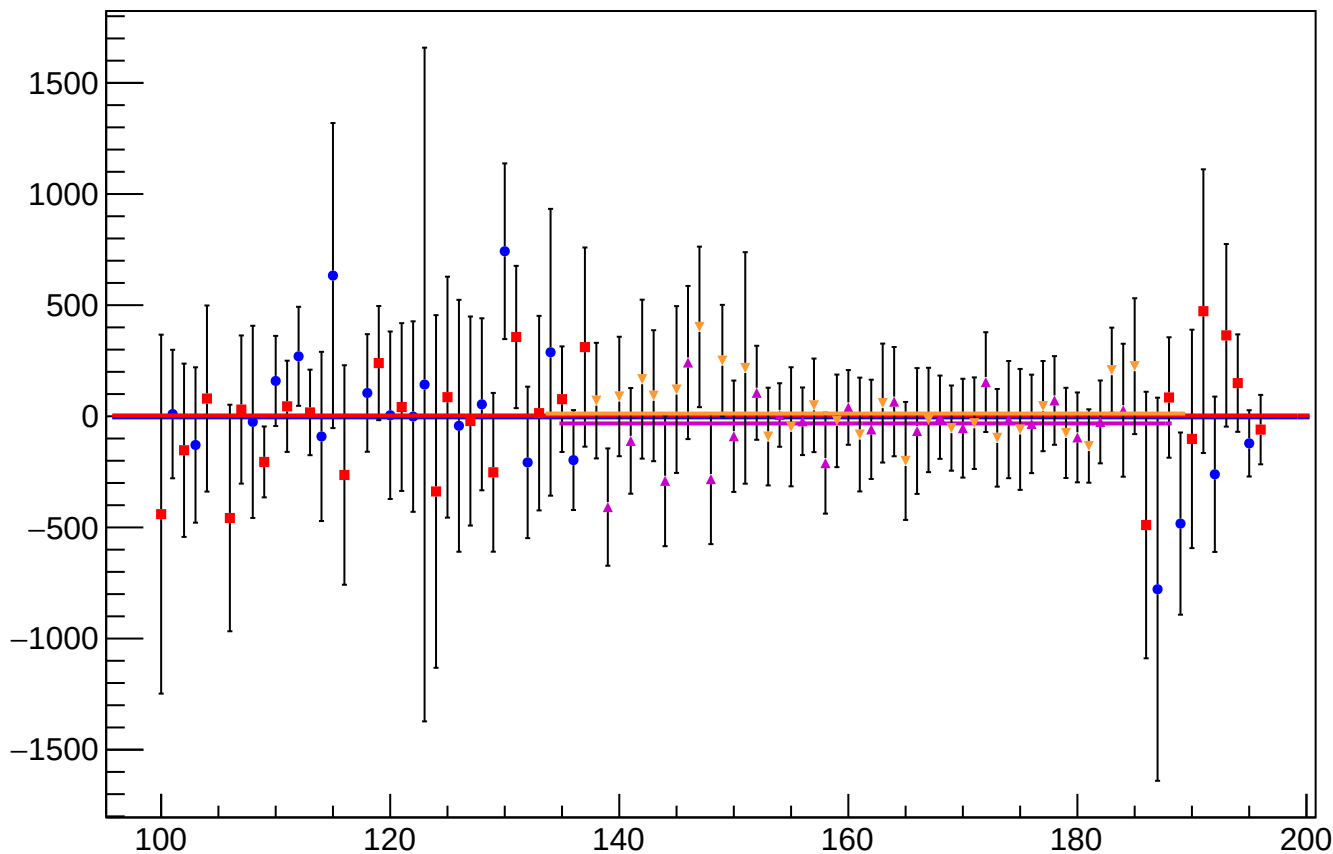
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 17.333 $\pm$ 0.002 χ^2 /NDF: 146827.5/45

All: 17.324 $\pm$ 0.002 χ^2 /NDF: 308491.9/94

- sign 17.316 $\pm$ 0.002 χ^2 /NDF: 161639.0/48

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -4.716 ± 68.405 χ^2/NDF : 11.6/20

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 3.750 ± 58.841 χ^2/NDF : 9.5/25

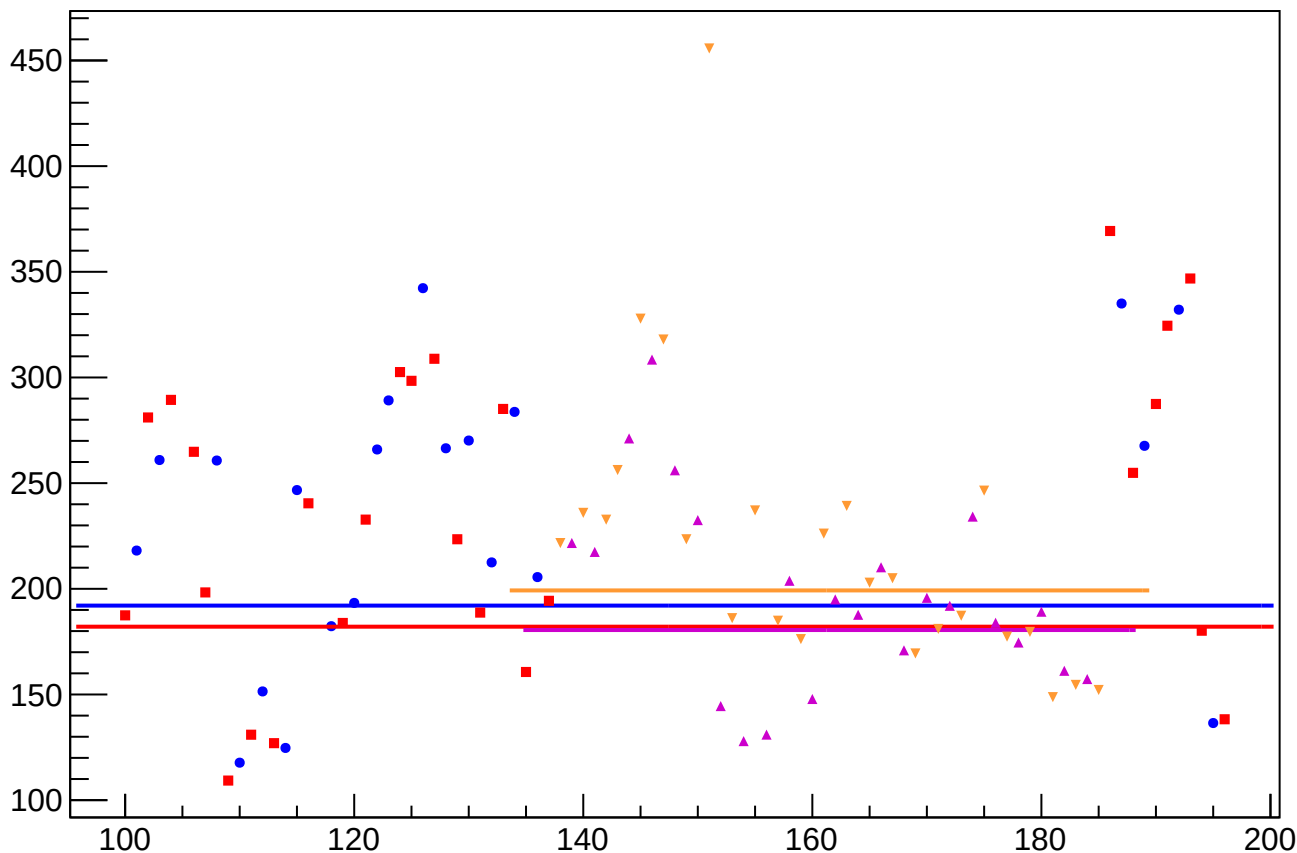
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign 6.789 ± 39.339 χ^2/NDF : 18.5/45

All: -7.236 ± 26.482 χ^2/NDF : 35.4/94

- sign -18.859 ± 35.811 χ^2/NDF : 16.7/48

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 192.056 $\pm$ 0.048 χ^2 /NDF: 1694725.7/20

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 182.081 $\pm$ 0.042 χ^2 /NDF: 2537499.3/25

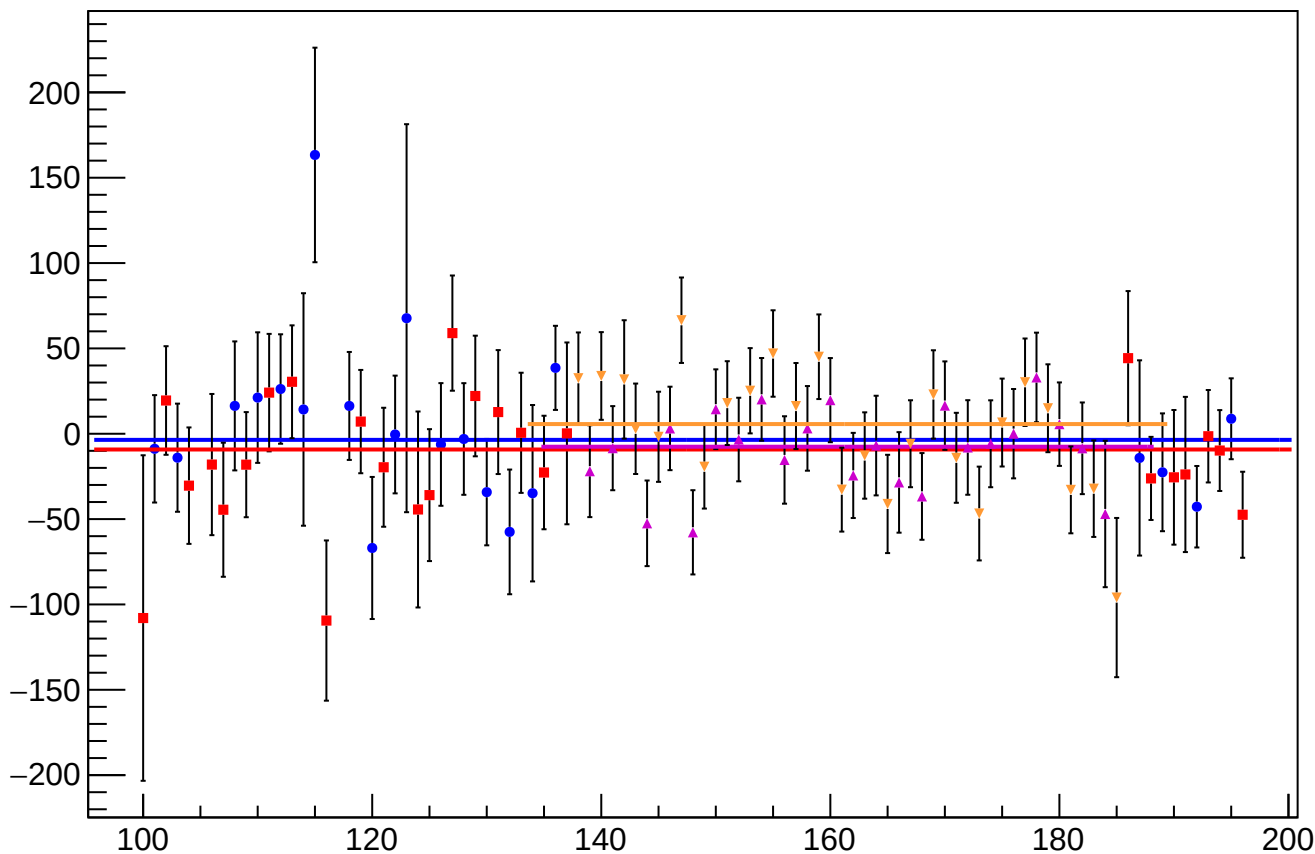
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 196.865 $\pm$ 0.028 χ^2 /NDF: 3473593.8/45

All: 188.234 $\pm$ 0.019 χ^2 /NDF: 7781847.2/94

- sign 181.081 $\pm$ 0.025 χ^2 /NDF: 4132199.3/48

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.580 $\pm$ 7.555 χ^2/NDF : 21.7/20

Left Out: 5.673 $\pm$ 5.278 χ^2/NDF : 36.4/24

Right Out: -9.223 $\pm$ 6.737 χ^2/NDF : 21.9/25

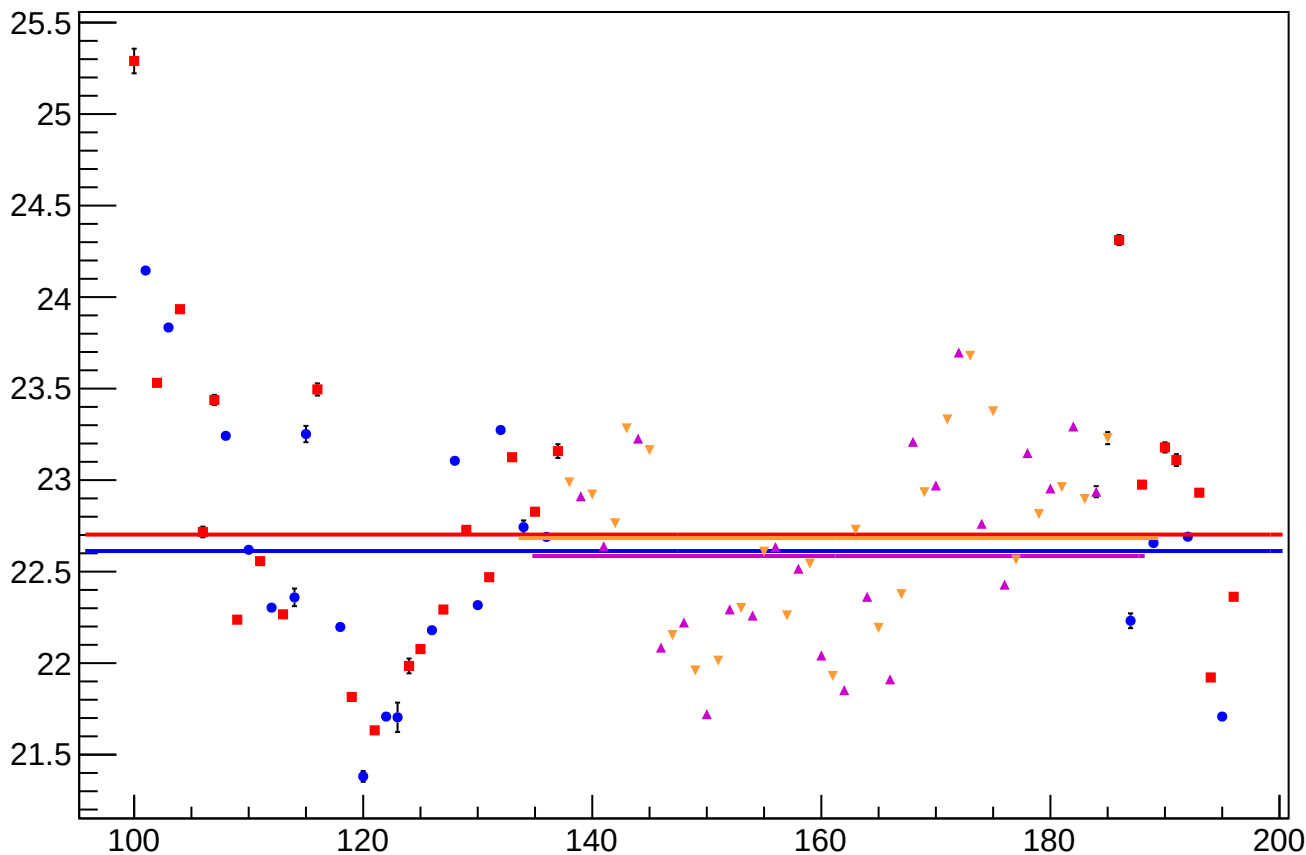
Left In: -7.594 $\pm$ 5.402 χ^2/NDF : 18.3/22

+ sign 2.638 $\pm$ 4.327 χ^2/NDF : 59.1/45

All: -2.939 $\pm$ 3.019 χ^2/NDF : 102.6/94

- sign -8.231 $\pm$ 4.214 χ^2/NDF : 40.2/48

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.613 $\pm$ 0.005 χ^2 /NDF: 16934.7/20

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.702 $\pm$ 0.005 χ^2 /NDF: 19567.8/25

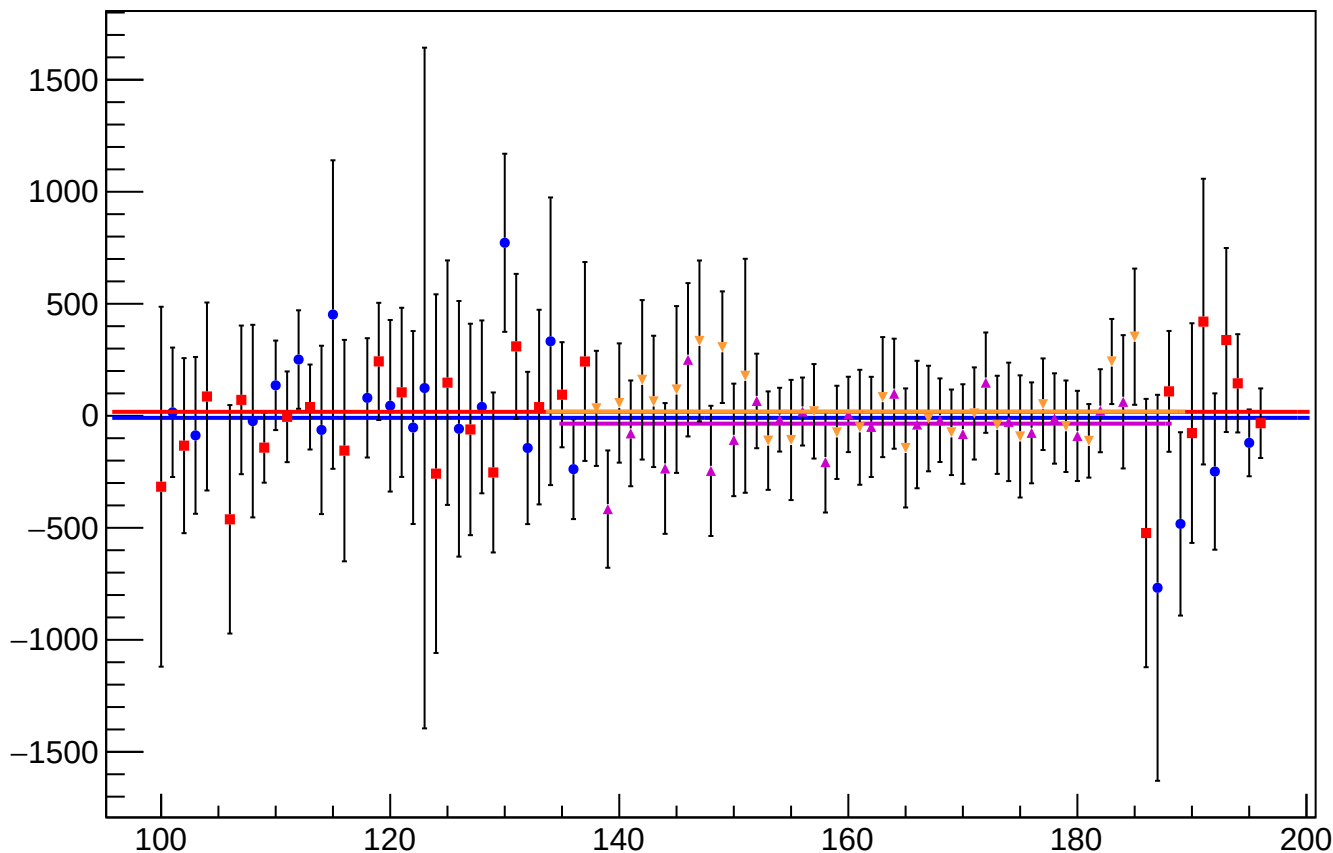
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.660 $\pm$ 0.003 χ^2 /NDF: 33371.1/45

All: 22.645 $\pm$ 0.002 χ^2 /NDF: 71441.1/94

- sign 22.631 $\pm$ 0.003 χ^2 /NDF: 38023.6/48

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -9.174 ± 68.185 χ^2/NDF : 11.1/20

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 17.712 ± 58.503 χ^2/NDF : 7.6/25

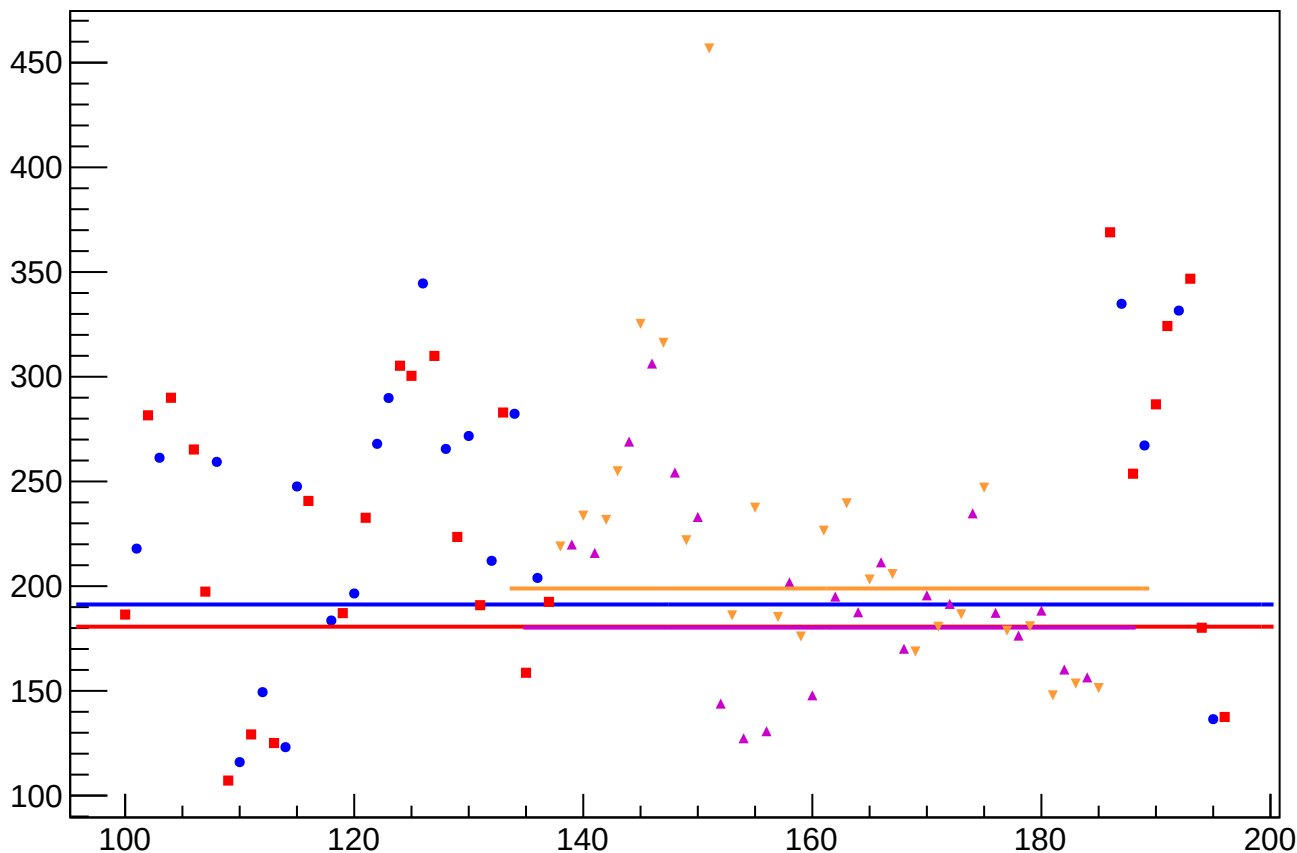
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign 9.417 ± 39.253 χ^2/NDF : 18.8/45

All: -4.165 ± 26.411 χ^2/NDF : 33.5/94

- sign -15.400 ± 35.700 χ^2/NDF : 14.4/48

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.254 $\pm$ 0.048 χ^2 /NDF: 1729588.9/20

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 180.652 $\pm$ 0.041 χ^2 /NDF: 2616783.5/25

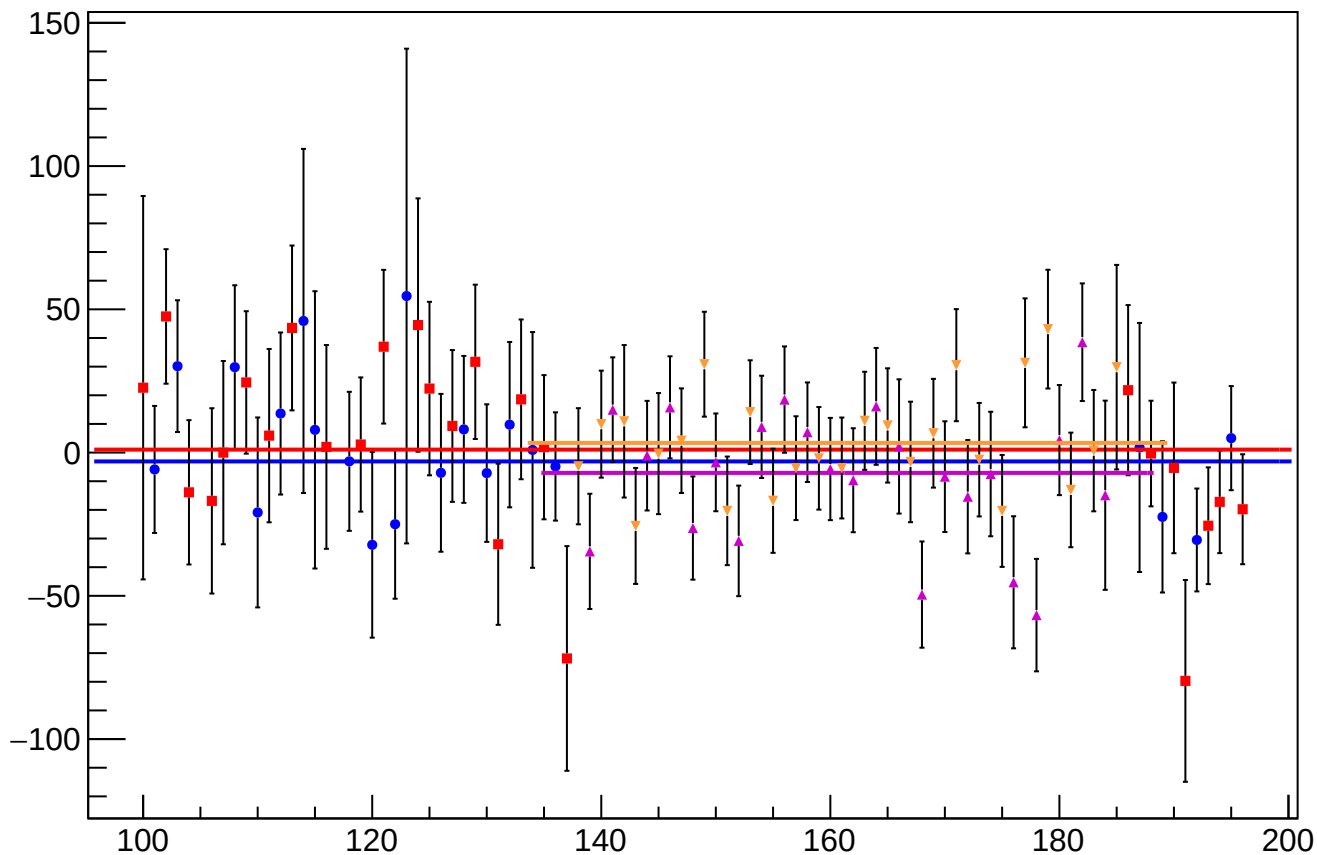
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 196.360 $\pm$ 0.028 χ^2 /NDF: 3508818.5/45

All: 187.610 $\pm$ 0.019 χ^2 /NDF: 7896245.5/94

- sign 180.373 $\pm$ 0.025 χ^2 /NDF: 4205861.3/48

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.086 ± 5.819 χ^2/NDF : 10.3/20

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: 1.036 ± 5.205 χ^2/NDF : 27.4/25

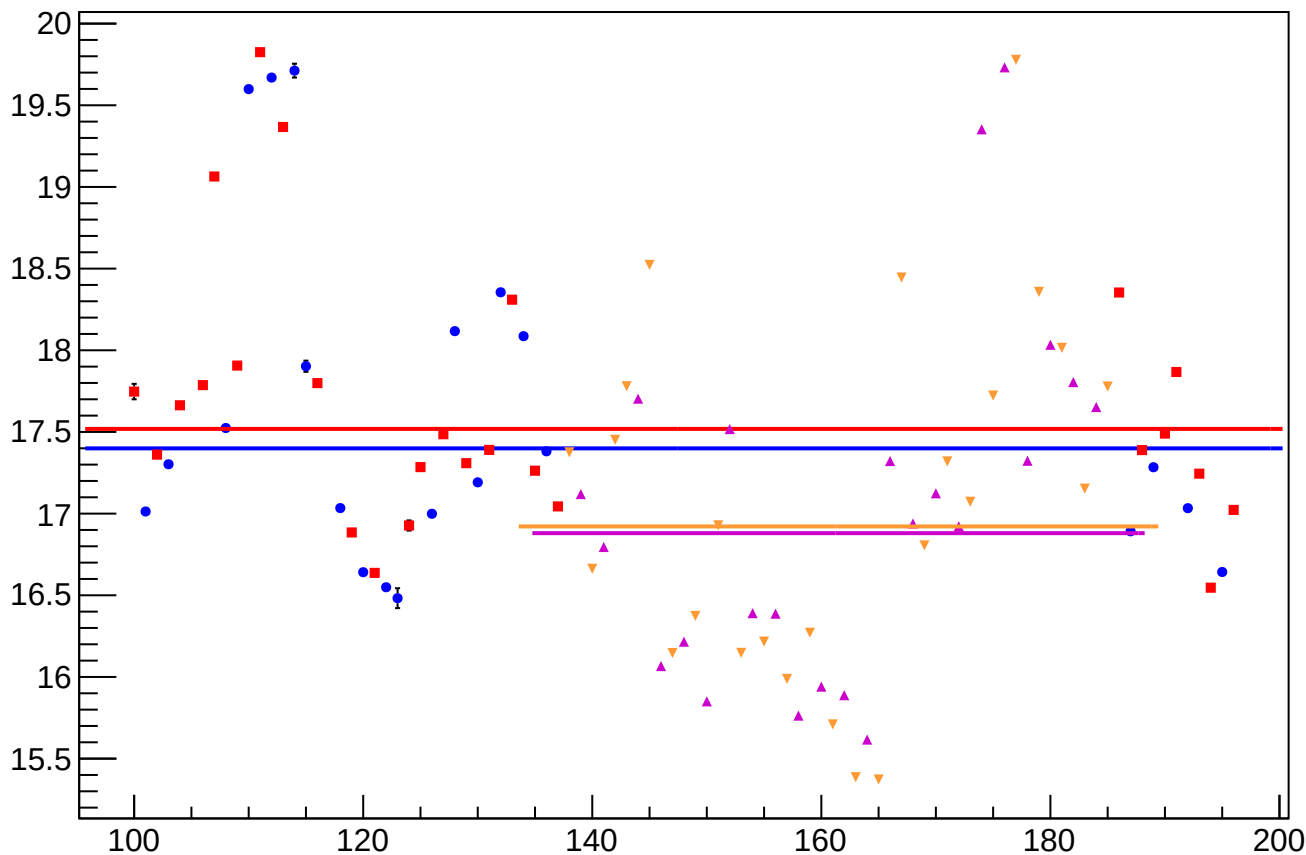
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 1.337 ± 3.266 χ^2/NDF : 29.9/45

All: -1.408 ± 2.284 χ^2/NDF : 92.7/94

- sign -4.034 ± 3.195 χ^2/NDF : 61.4/48

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.399 $\pm$ 0.004 χ^2 /NDF: 38965.4/20

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.519 $\pm$ 0.004 χ^2 /NDF: 41338.6/25

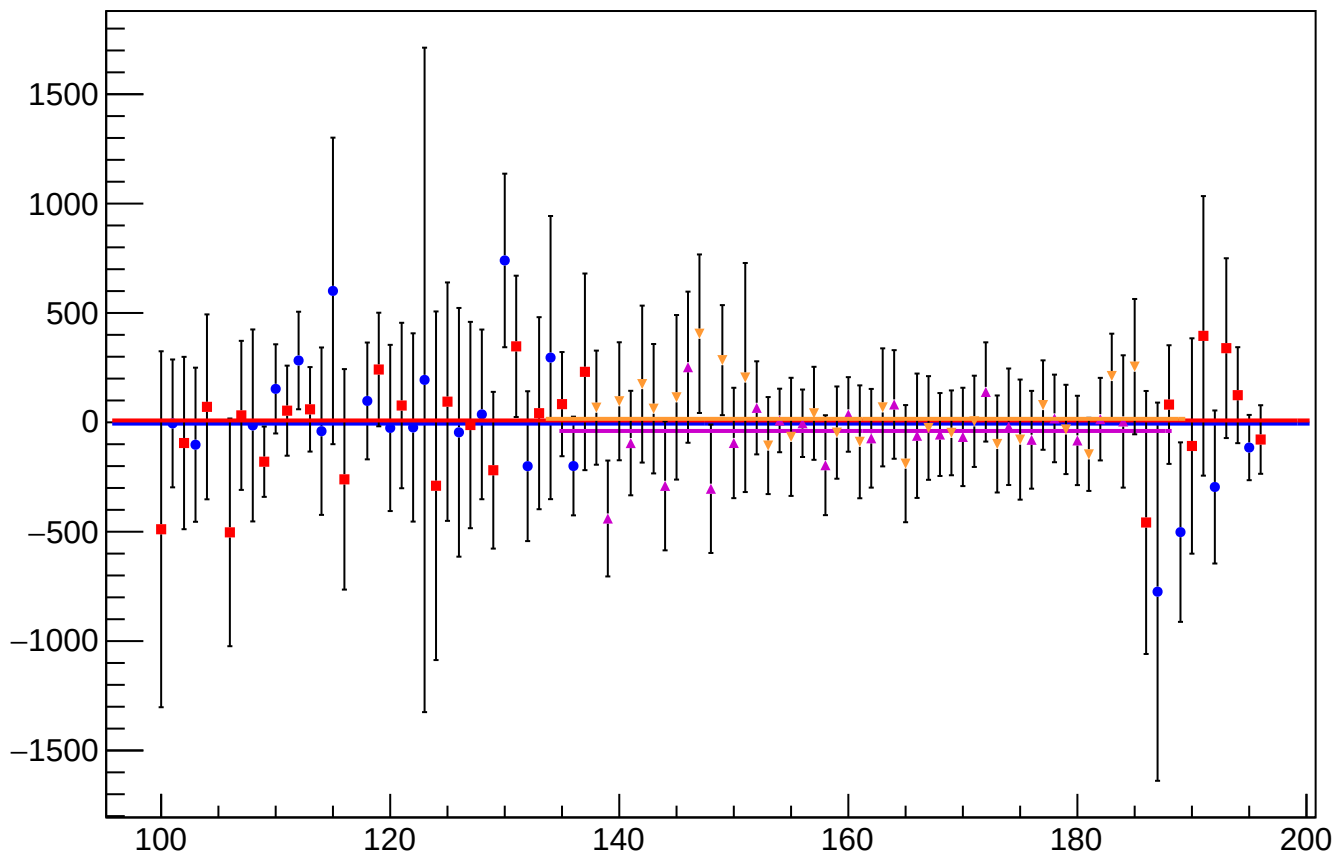
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 17.072 $\pm$ 0.002 χ^2 /NDF: 187199.5/45

All: 17.097 $\pm$ 0.002 χ^2 /NDF: 369246.0/94

- sign 17.121 $\pm$ 0.002 χ^2 /NDF: 181817.6/48

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -5.737 ± 68.707 χ^2/NDF : 11.6/20

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 8.613 ± 59.167 χ^2/NDF : 8.4/25

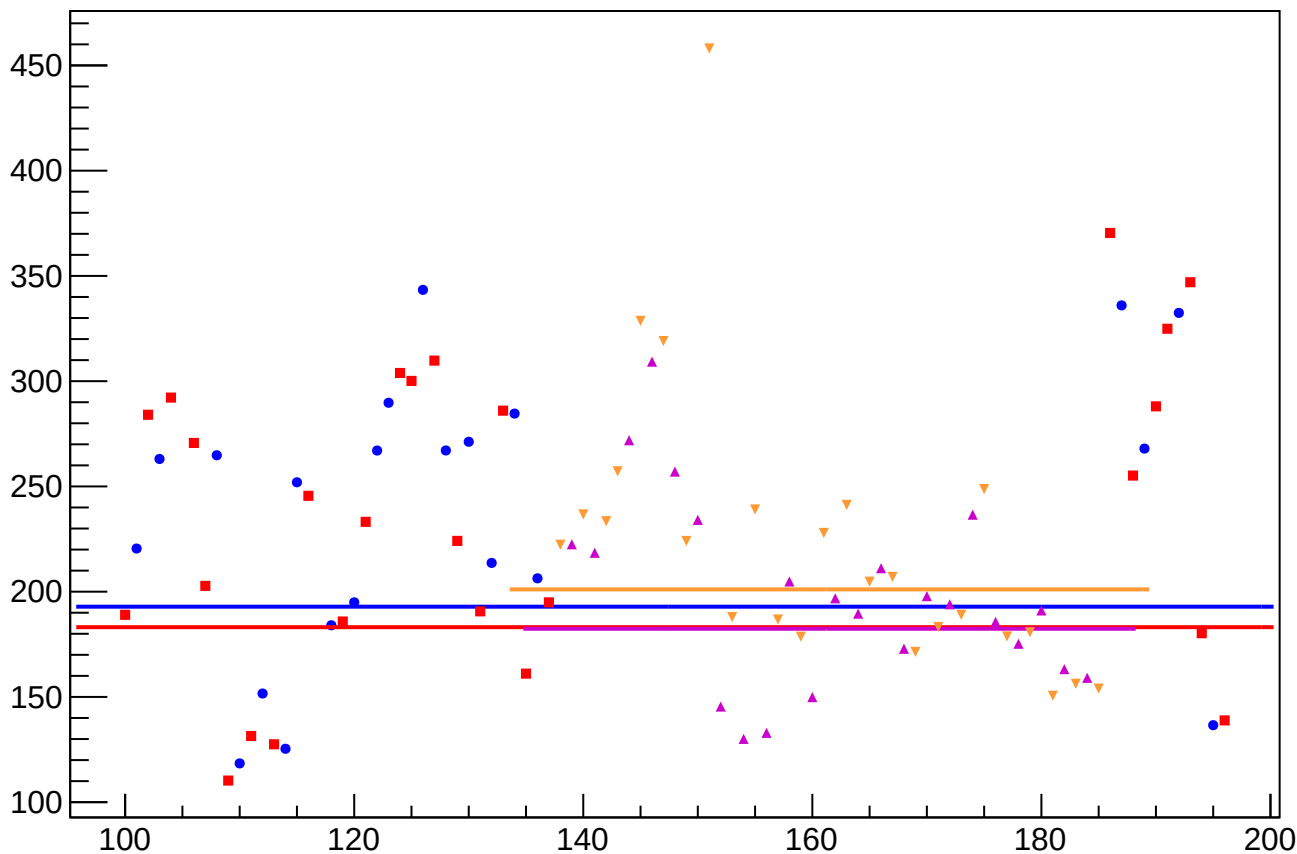
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign 8.750 ± 39.624 χ^2/NDF : 19.0/45

All: -7.783 ± 26.687 χ^2/NDF : 35.0/94

- sign -21.508 ± 36.103 χ^2/NDF : 15.7/48

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.874 $\pm$ 0.049 χ^2 /NDF: 1703482.8/20

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 183.135 $\pm$ 0.042 χ^2 /NDF: 2536997.6/25

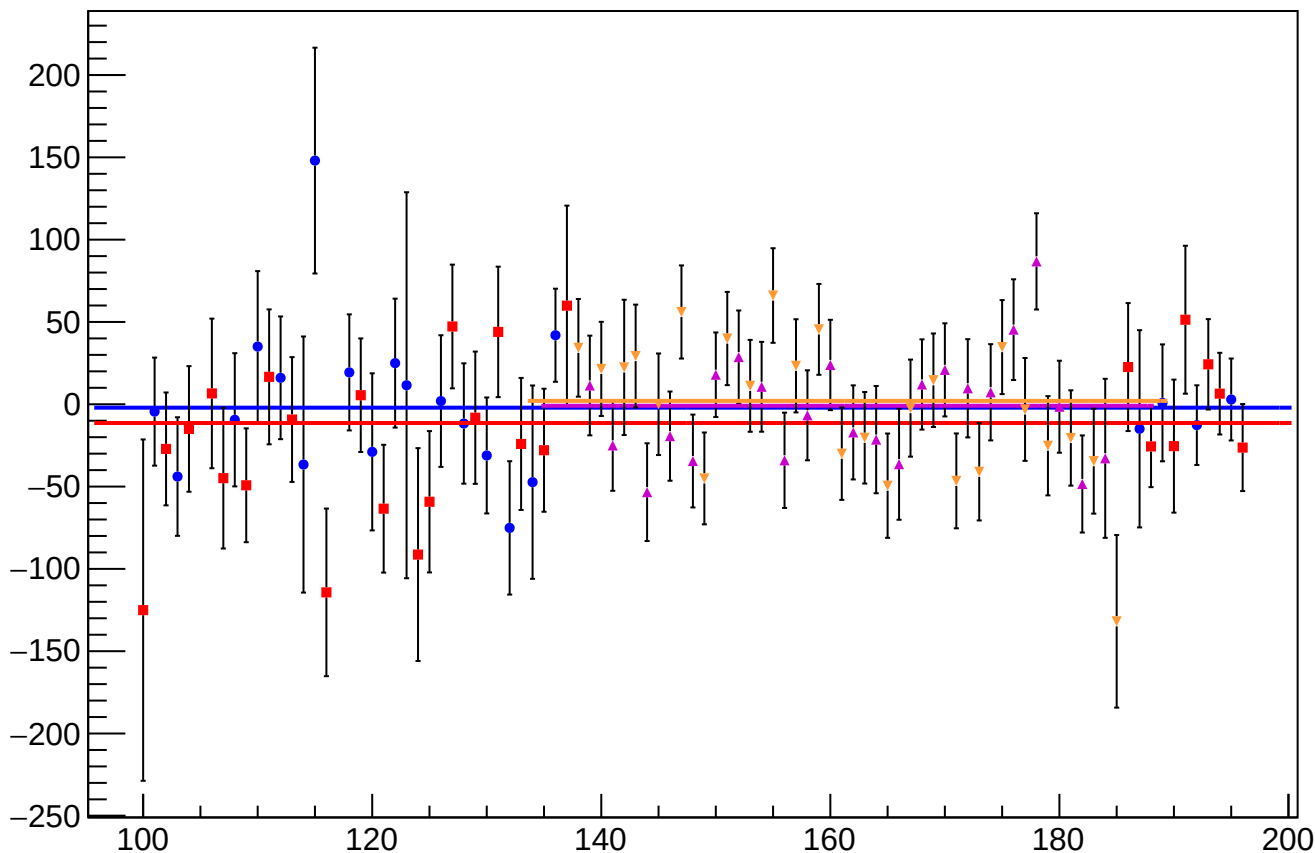
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 198.358 $\pm$ 0.028 χ^2 /NDF: 3453642.3/45

All: 189.787 $\pm$ 0.019 χ^2 /NDF: 7711015.5/94

- sign 182.671 $\pm$ 0.026 χ^2 /NDF: 4086101.3/48

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -2.065 ± 8.283 $\chi^2/\text{NDF}: 15.8/20$

Left Out: 2.054 ± 5.970 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -11.373 ± 7.288 $\chi^2/\text{NDF}: 24.5/25$

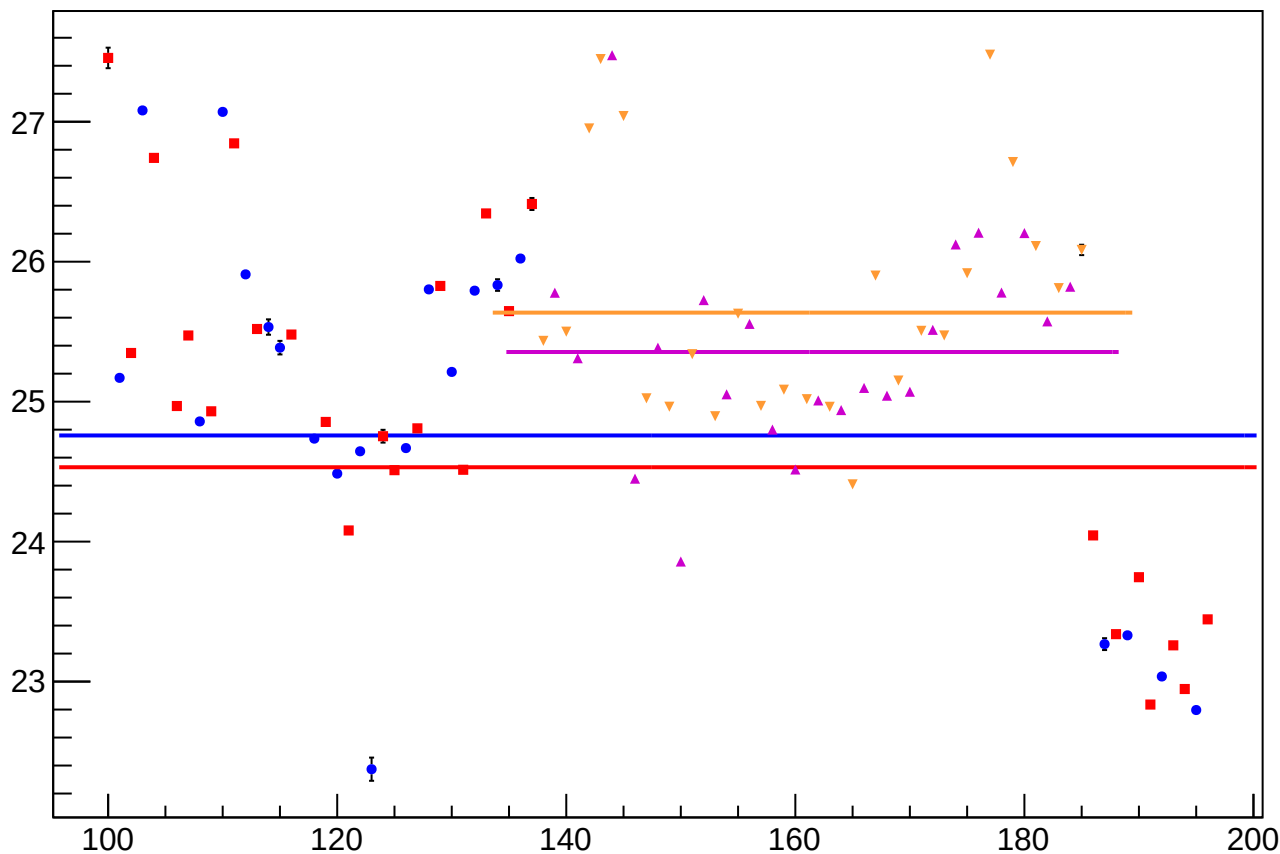
Left In: -0.900 ± 6.069 $\chi^2/\text{NDF}: 27.1/22$

+ sign 0.645 ± 4.843 $\chi^2/\text{NDF}: 55.4/45$

All: -2.382 ± 3.359 $\chi^2/\text{NDF}: 108.9/94$

- sign -5.189 ± 4.664 $\chi^2/\text{NDF}: 52.8/48$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.758 $\pm$ 0.006 χ^2 /NDF: 51885.1/20

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.531 $\pm$ 0.005 χ^2 /NDF: 54150.0/25

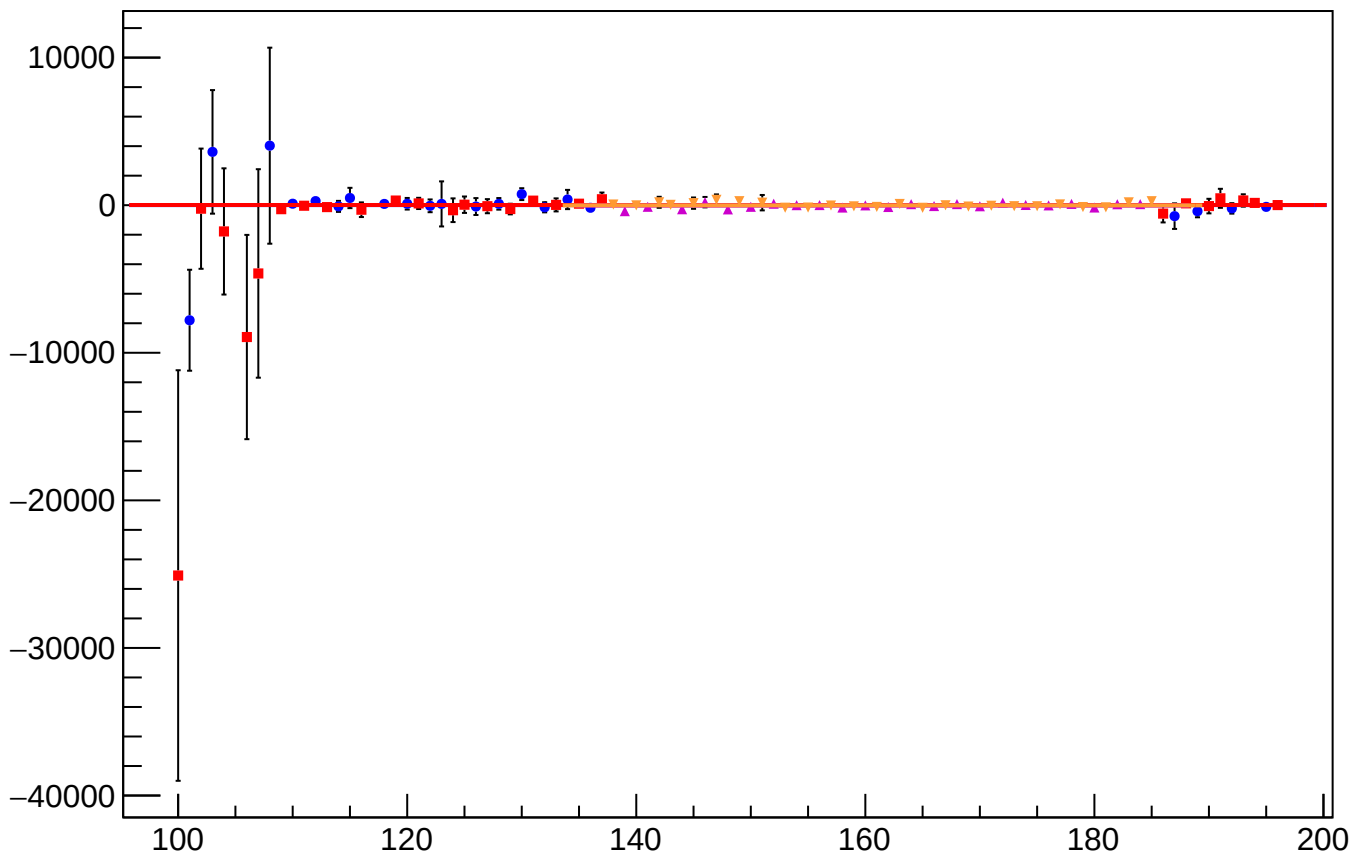
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.336 $\pm$ 0.003 χ^2 /NDF: 101794.5/45

All: 25.171 $\pm$ 0.002 χ^2 /NDF: 205271.7/94

- sign 25.018 $\pm$ 0.003 χ^2 /NDF: 98990.2/48

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 7.042 $\pm$ 73.747 χ^2 /NDF: 16.2/20

Left Out: -12.820 $\pm$ 48.216 χ^2 /NDF: 7.9/24

Right Out: 13.035 $\pm$ 64.819 χ^2 /NDF: 14.7/25

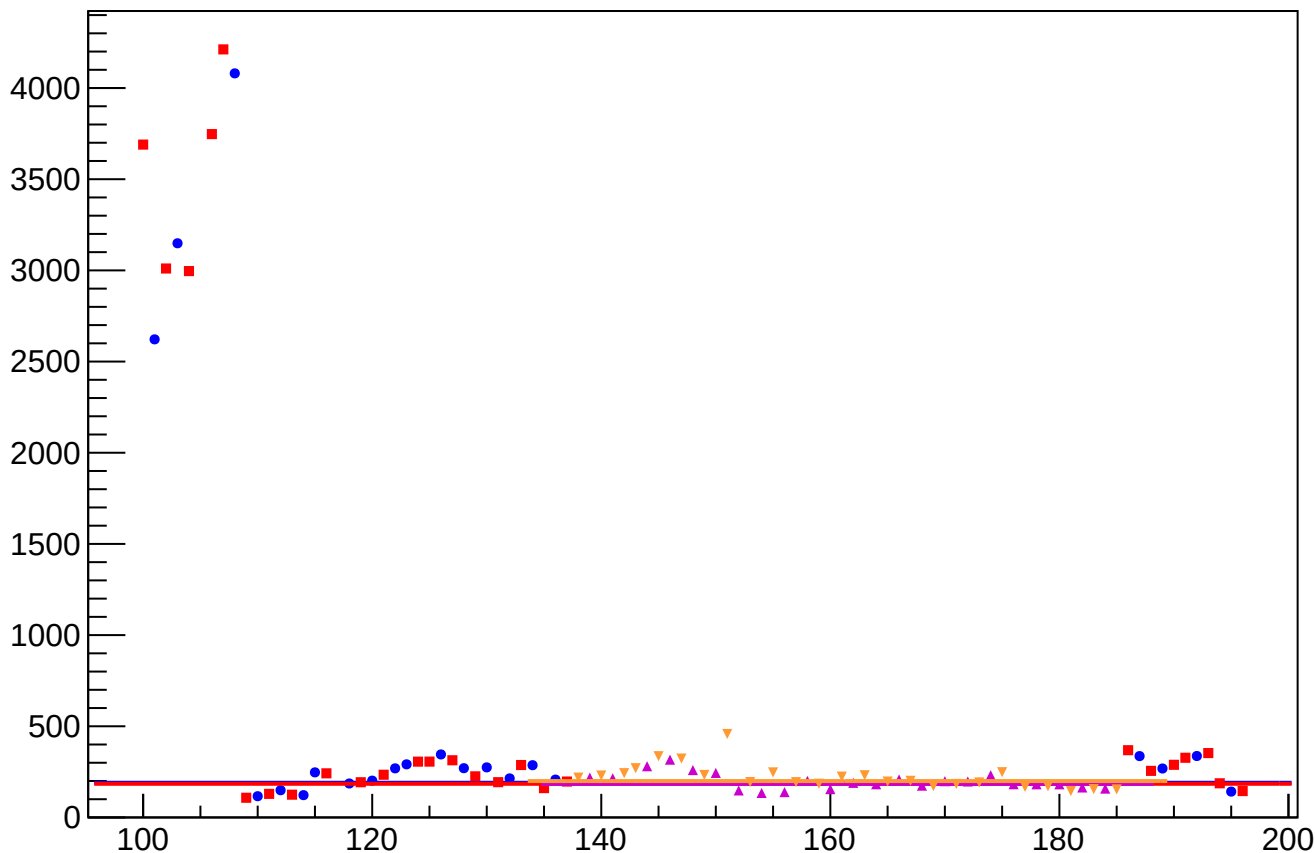
Left In: -26.836 $\pm$ 45.876 χ^2 /NDF: 7.5/22

+ sign -6.872 $\pm$ 40.356 χ^2 /NDF: 24.1/45

All: -10.450 $\pm$ 27.450 χ^2 /NDF: 46.6/94

- sign -13.530 $\pm$ 37.446 χ^2 /NDF: 22.5/48

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 190.223+/-0.052 χ^2/NDF : 4243441.2/20

Left Out: 199.536+/-0.034 χ^2/NDF : 1880548.8/24

Right Out: 184.670+/-0.046 χ^2/NDF : 5198969.3/25

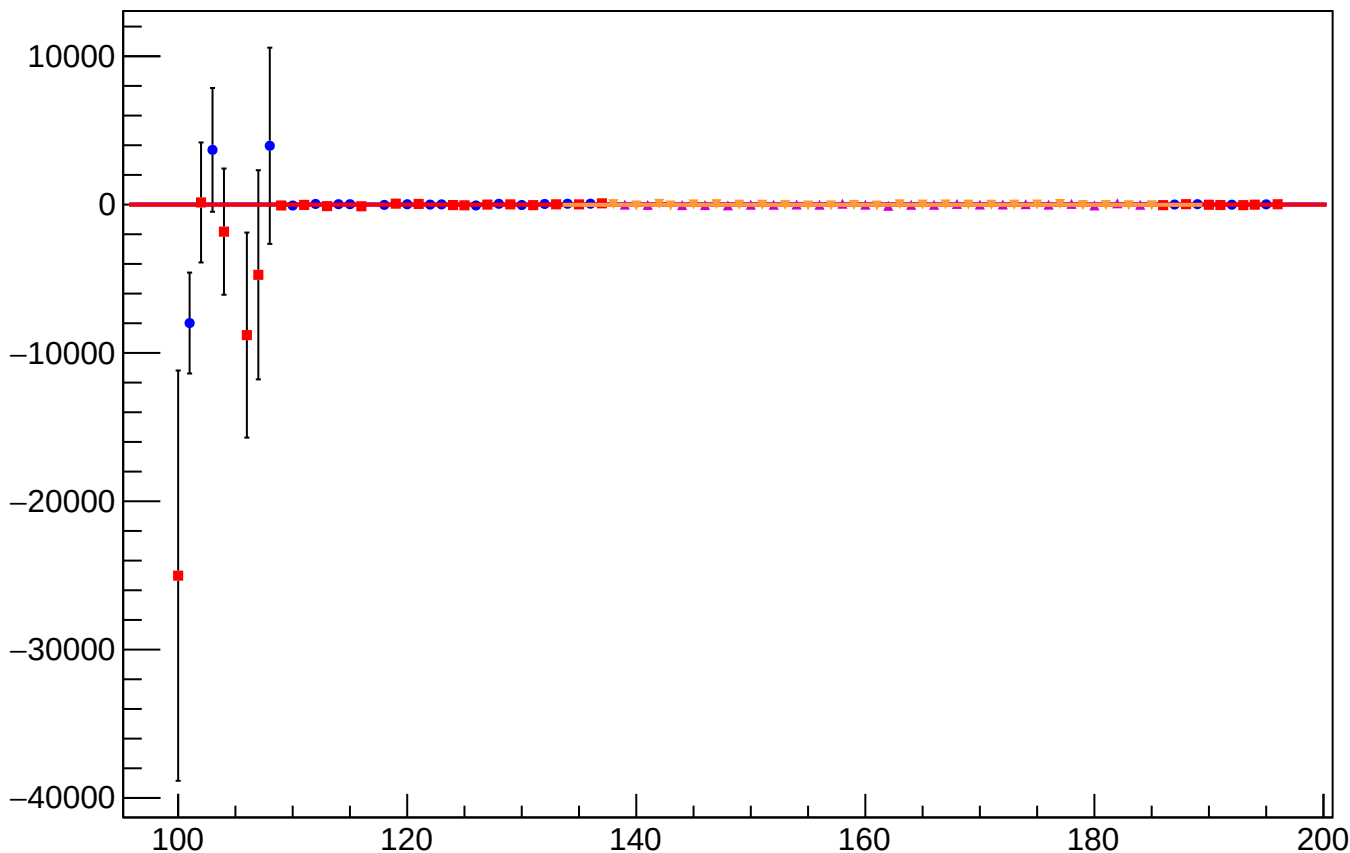
Left In: 184.031+/-0.032 χ^2/NDF : 1423454.3/22

+ sign 196.747+/-0.029 χ^2/NDF : 6146332.5/45

All: 190.029+/-0.019 χ^2/NDF : 12872026.9/94

- sign 184.245+/-0.026 χ^2/NDF : 6622553.0/48

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.855 ± 10.118 χ^2/NDF : 19.6/20

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -8.879 ± 9.083 χ^2/NDF : 27.9/25

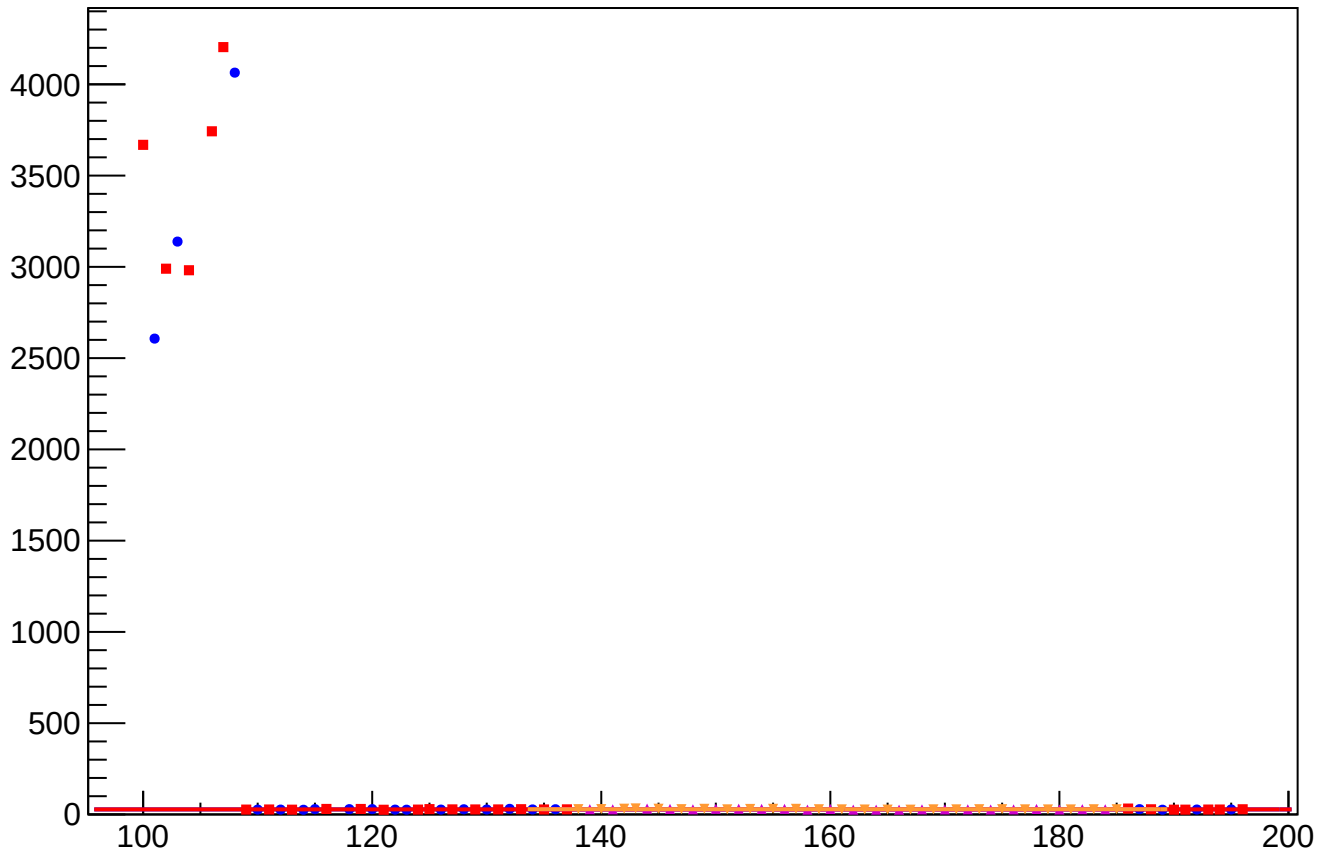
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -9.228 ± 5.583 χ^2/NDF : 47.0/45

All: -6.515 ± 3.912 χ^2/NDF : 108.3/94

- sign -3.897 ± 5.484 χ^2/NDF : 60.8/48

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.601 $\pm$ 0.007 χ^2 /NDF: 3034202.2/20

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.700 $\pm$ 0.006 χ^2 /NDF: 3500156.0/25

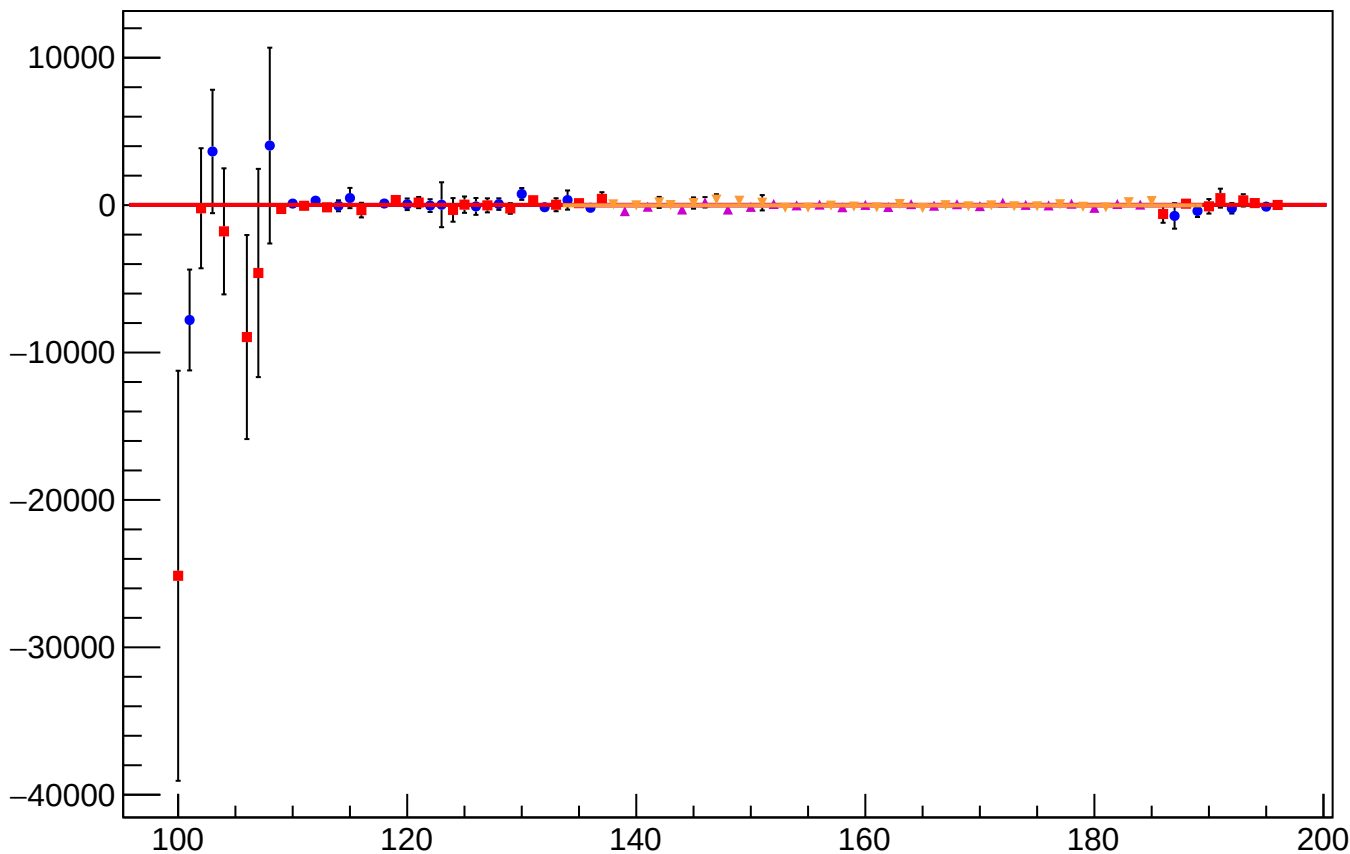
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.359 $\pm$ 0.004 χ^2 /NDF: 3160813.1/45

All: 28.338 $\pm$ 0.003 χ^2 /NDF: 6800358.9/94

- sign 28.318 $\pm$ 0.004 χ^2 /NDF: 3639490.4/48

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 14.303+/-73.537 χ^2/NDF : 16.3/20

Left Out: -15.483+/-48.109 χ^2/NDF : 8.7/24

Right Out: 16.570+/-64.636 χ^2/NDF : 15.4/25

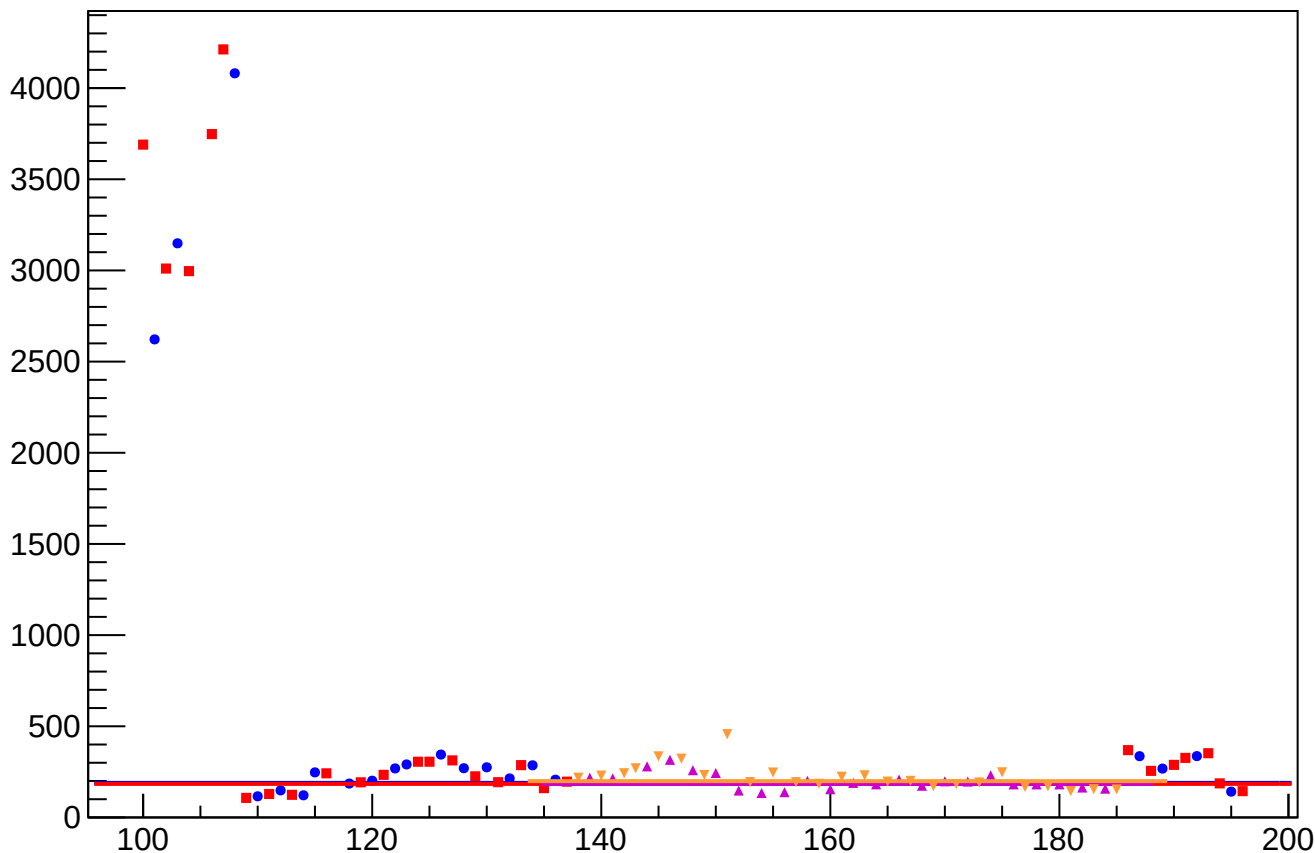
Left In: -27.009+/-45.785 χ^2/NDF : 7.8/22

+ sign -6.555+/-40.259 χ^2/NDF : 25.1/45

All: -9.722+/-27.386 χ^2/NDF : 48.6/94

- sign -12.449+/-37.361 χ^2/NDF : 23.5/48

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 189.596 $\pm$ 0.052 χ^2 /NDF: 4256199.1/20

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF: 1880343.4/24

Right Out: 184.053 $\pm$ 0.046 χ^2 /NDF: 5217026.0/25

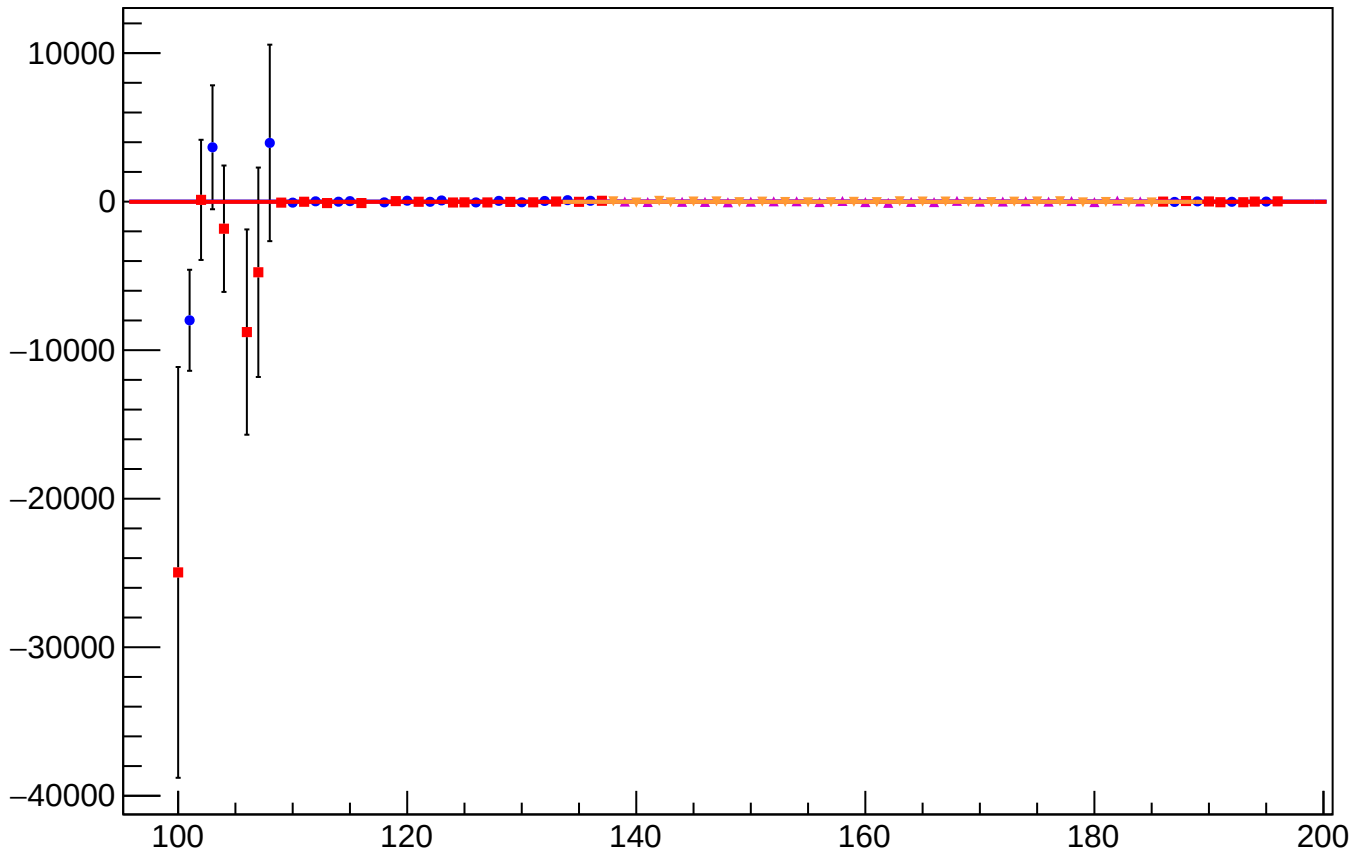
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF: 1422895.7/22

+ sign 196.247 $\pm$ 0.028 χ^2 /NDF: 6159905.3/45

All: 189.557 $\pm$ 0.019 χ^2 /NDF: 12902659.6/94

- sign 183.796 $\pm$ 0.026 χ^2 /NDF: 6639969.1/48

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 5.287 $\pm$ 10.161 χ^2 /NDF: 23.4/20

Left Out: -15.006 $\pm$ 6.723 χ^2 /NDF:17.5/24

Right Out: -13.815 $\pm$ 9.111 χ^2 /NDF: 23.8/25

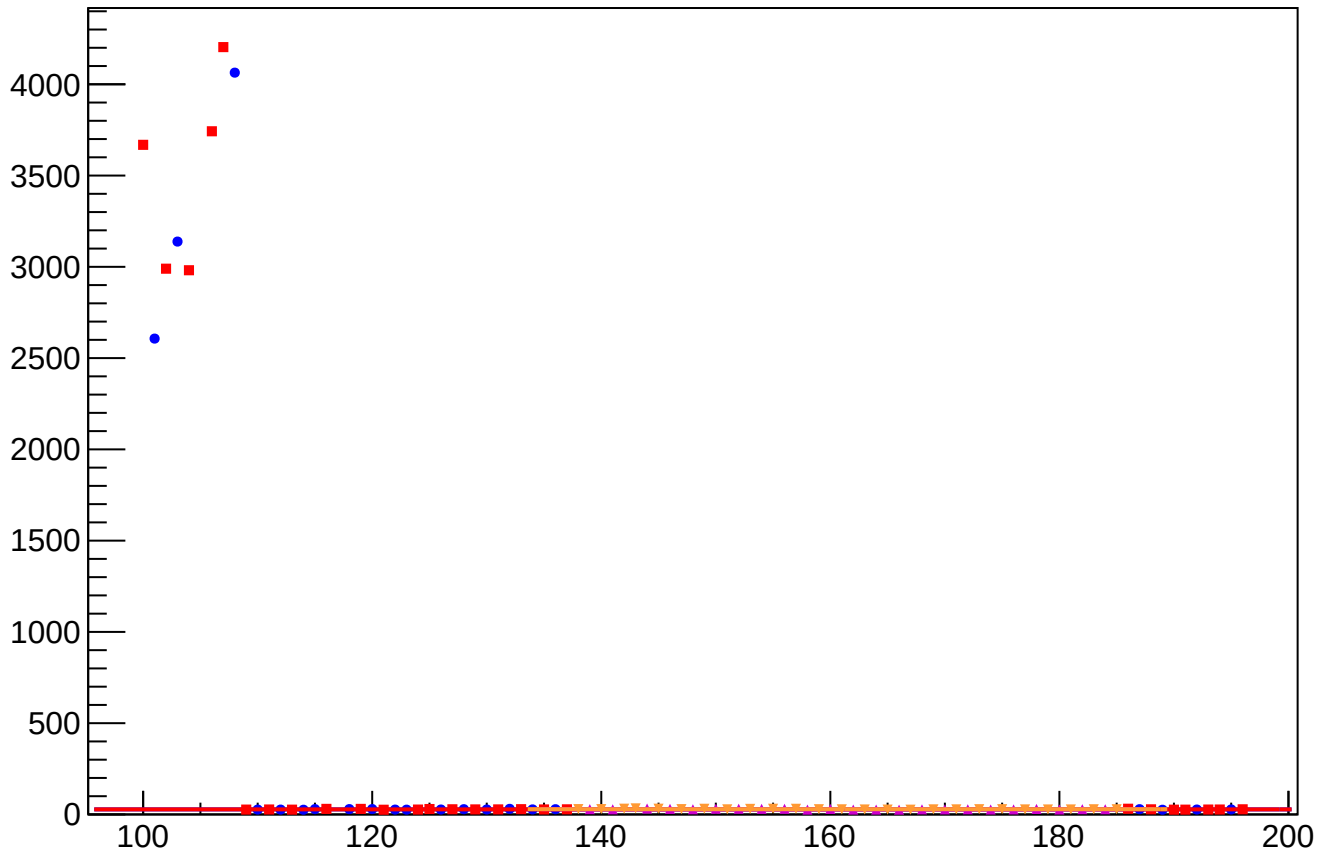
Left In: 0.702 $\pm$ 6.909 χ^2 /NDF:26.4/22

+ sign -8.827 $\pm$ 5.607 χ^2 /NDF: 43.6/45

All: -6.674 $\pm$ 3.928 χ^2 /NDF: 95.6/94

- sign -4.598 $\pm$ 5.505 χ^2 /NDF: 51.7/48

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.713 $\pm$ 0.007 χ^2 /NDF: 3036622.3/20

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.785 $\pm$ 0.006 χ^2 /NDF: 3497755.1/25

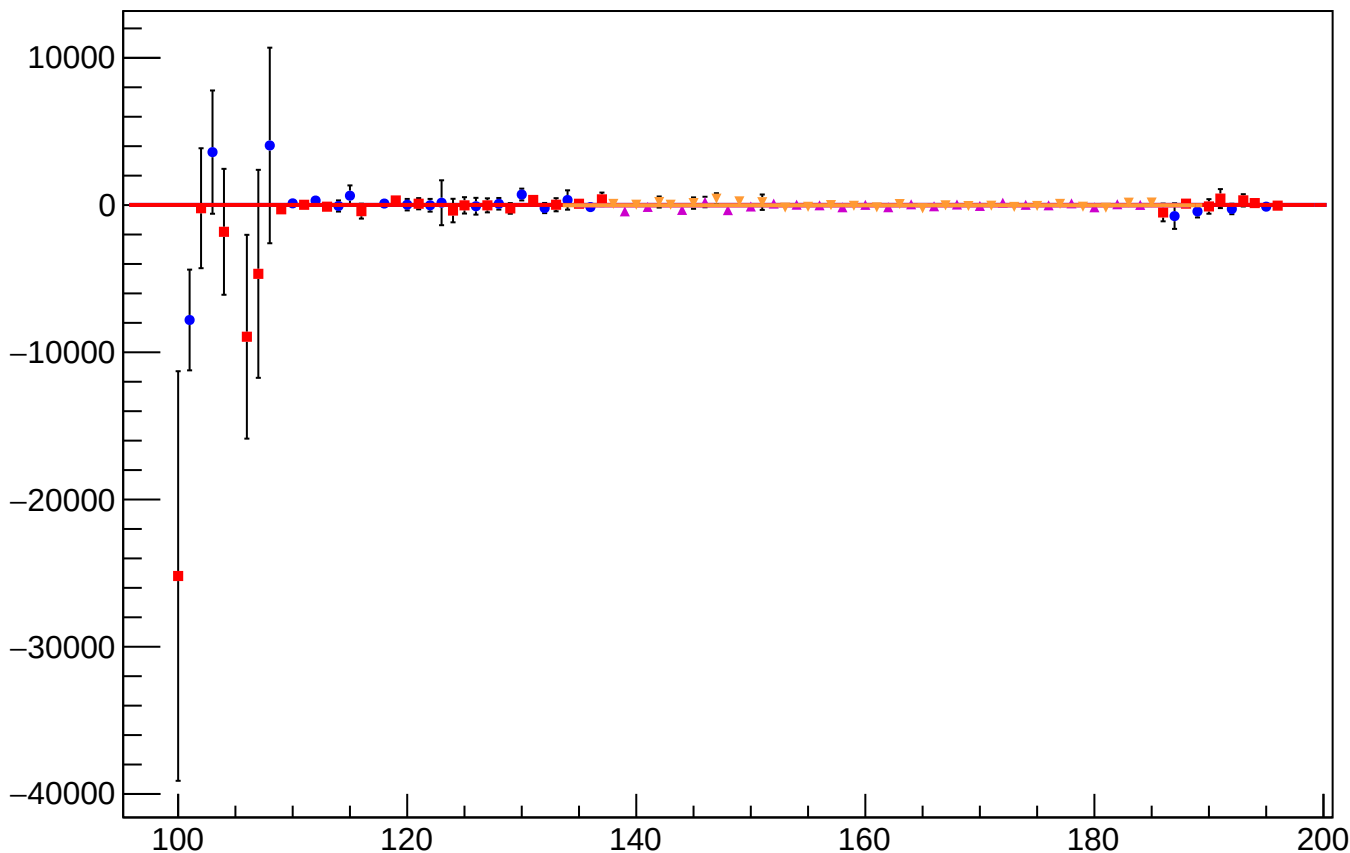
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.478 $\pm$ 0.004 χ^2 /NDF: 3174886.0/45

All: 28.451 $\pm$ 0.003 χ^2 /NDF: 6817641.5/94

- sign 28.425 $\pm$ 0.004 χ^2 /NDF: 3642664.1/48

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 12.803+/-74.171 χ^2/NDF : 16.7/20

Left Out: -15.548+/-48.688 χ^2/NDF : 8.0/24

Right Out: 10.161+/-65.308 χ^2/NDF : 14.6/25

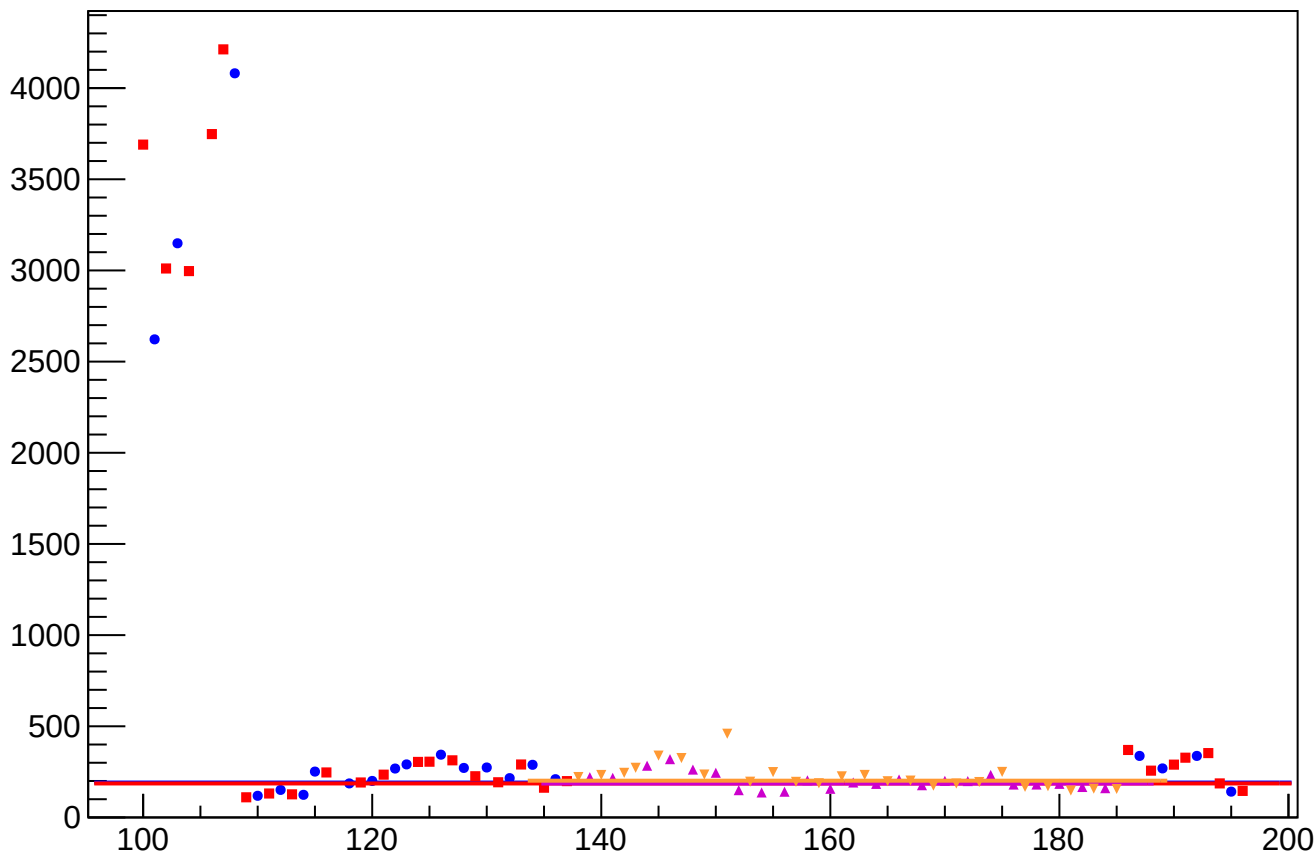
Left In: -31.170+/-46.359 χ^2/NDF : 8.2/22

+ sign -7.010+/-40.702 χ^2/NDF : 24.8/45

All: -12.546+/-27.699 χ^2/NDF : 47.9/94

- sign -17.322+/-37.803 χ^2/NDF : 23.1/48

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 191.505 $\pm$ 0.052 χ^2 /NDF: 4215358.6/20

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF:1857453.2/24

Right Out: 186.423 $\pm$ 0.046 χ^2 /NDF: 5141281.5/25

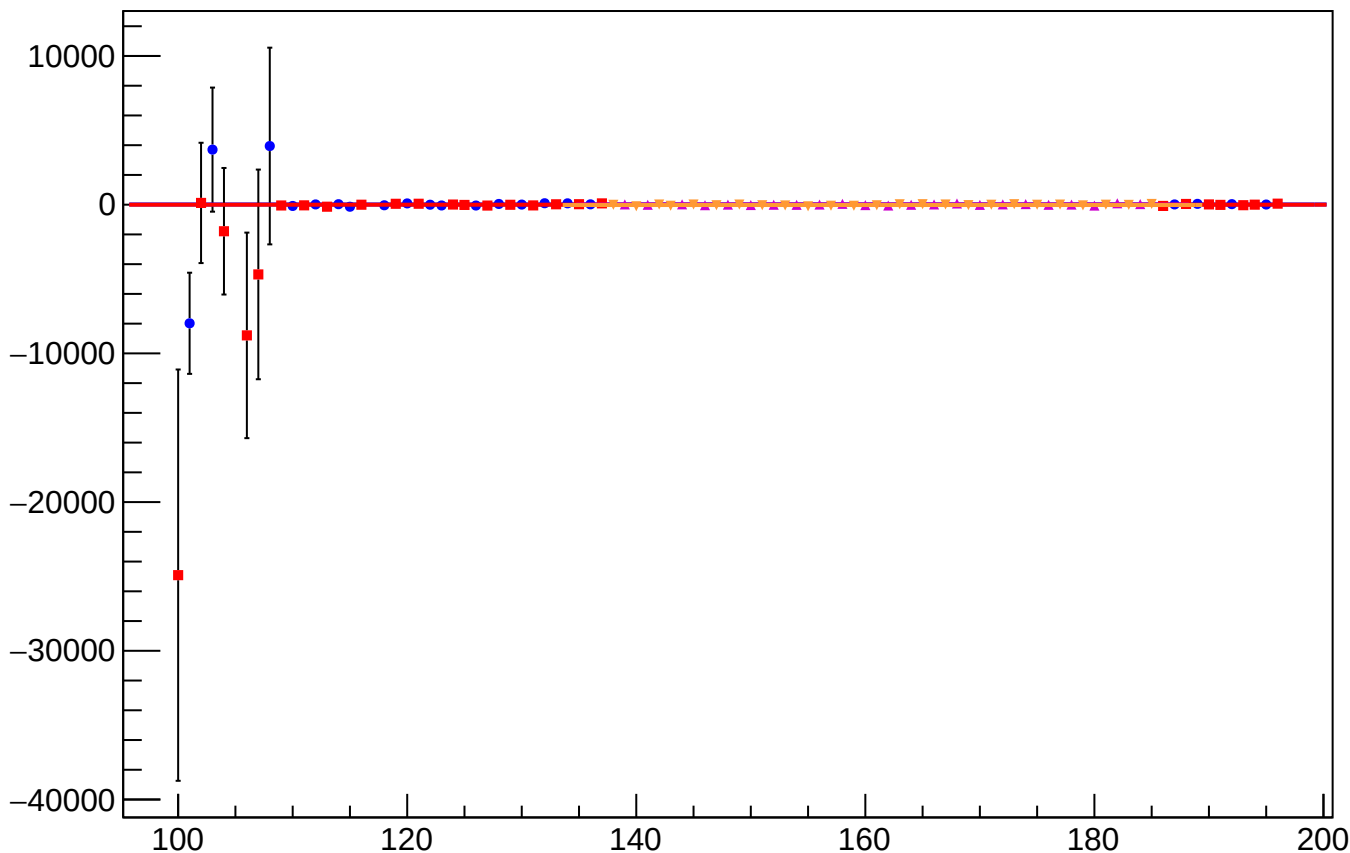
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 198.560 $\pm$ 0.029 χ^2 /NDF: 6098703.8/45

All: 191.931 $\pm$ 0.020 χ^2 /NDF: 12730158.1/94

- sign 186.213 $\pm$ 0.027 χ^2 /NDF: 6532639.8/48

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 14.244+/-12.395 χ^2/NDF : 21.6/20

Left Out: -23.360+/-8.064 χ^2/NDF : 25.8/24

Right Out: -1.373+/-11.092 χ^2/NDF : 29.8/25

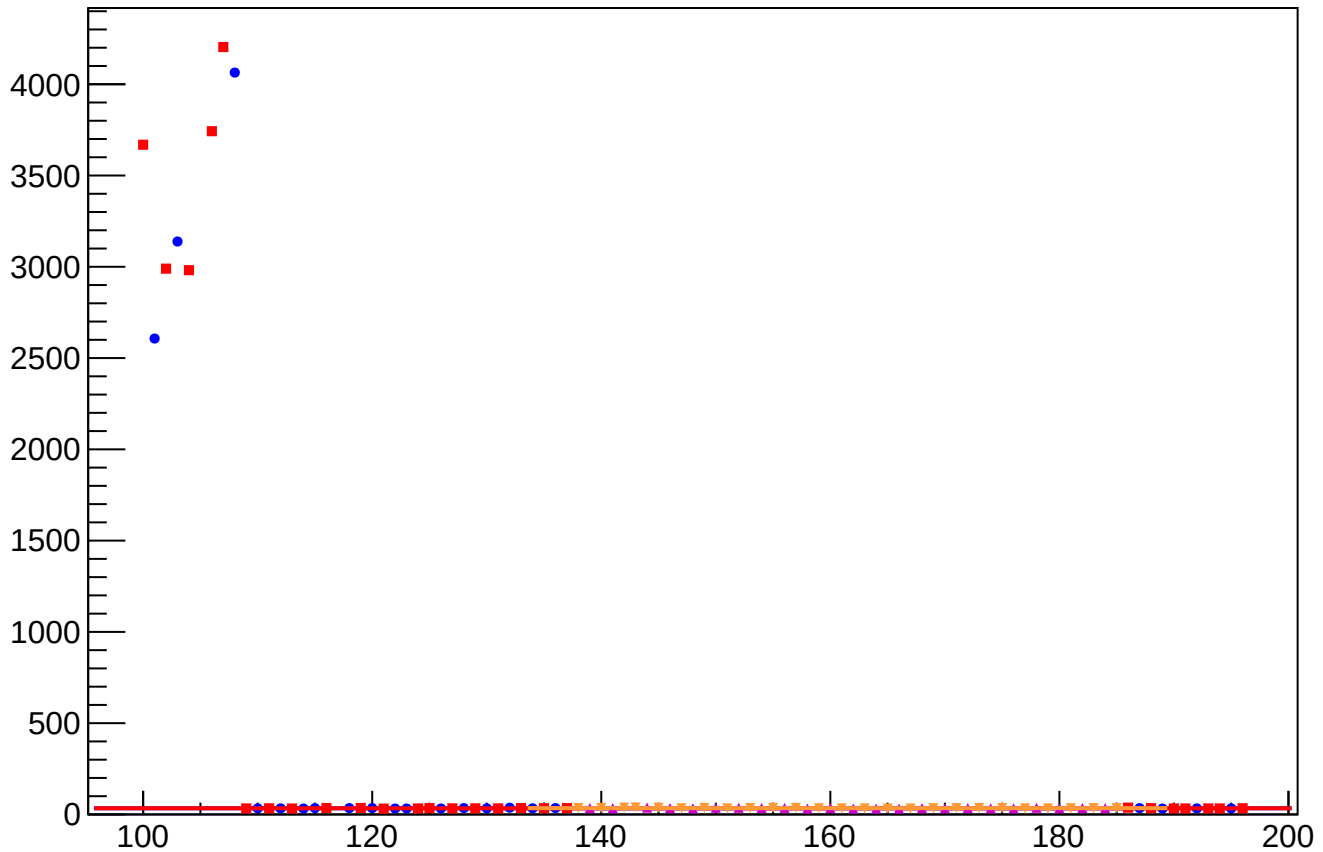
Left In: 6.001+/-8.309 χ^2/NDF : 21.1/22

+ sign -12.176+/-6.760 χ^2/NDF : 53.8/45

All: -4.286+/-4.740 χ^2/NDF : 107.8/94

- sign 3.351+/-6.650 χ^2/NDF : 51.3/48

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.837 $\pm$ 0.009 χ^2 /NDF: 3011034.2/20

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.889 $\pm$ 0.008 χ^2 /NDF: 3462384.1/25

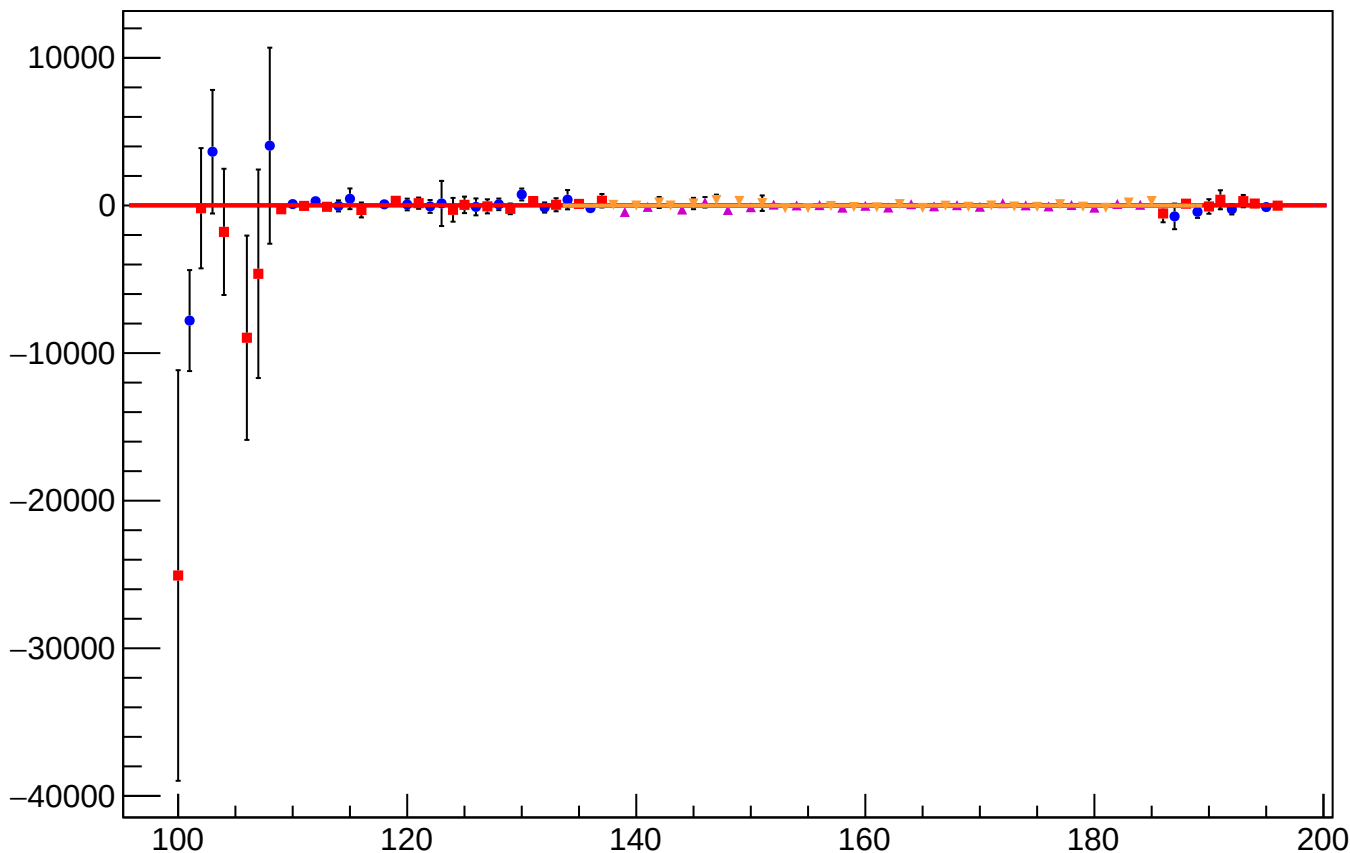
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.383 $\pm$ 0.005 χ^2 /NDF: 3074503.6/45

All: 34.391 $\pm$ 0.003 χ^2 /NDF: 6603802.4/94

- sign 34.399 $\pm$ 0.005 χ^2 /NDF: 3529293.3/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 5.085 ± 73.902 χ^2/NDF : 16.3/20

Left Out: -8.916 ± 48.615 χ^2/NDF : 8.6/24

Right Out: 16.165 ± 64.977 χ^2/NDF : 13.3/25

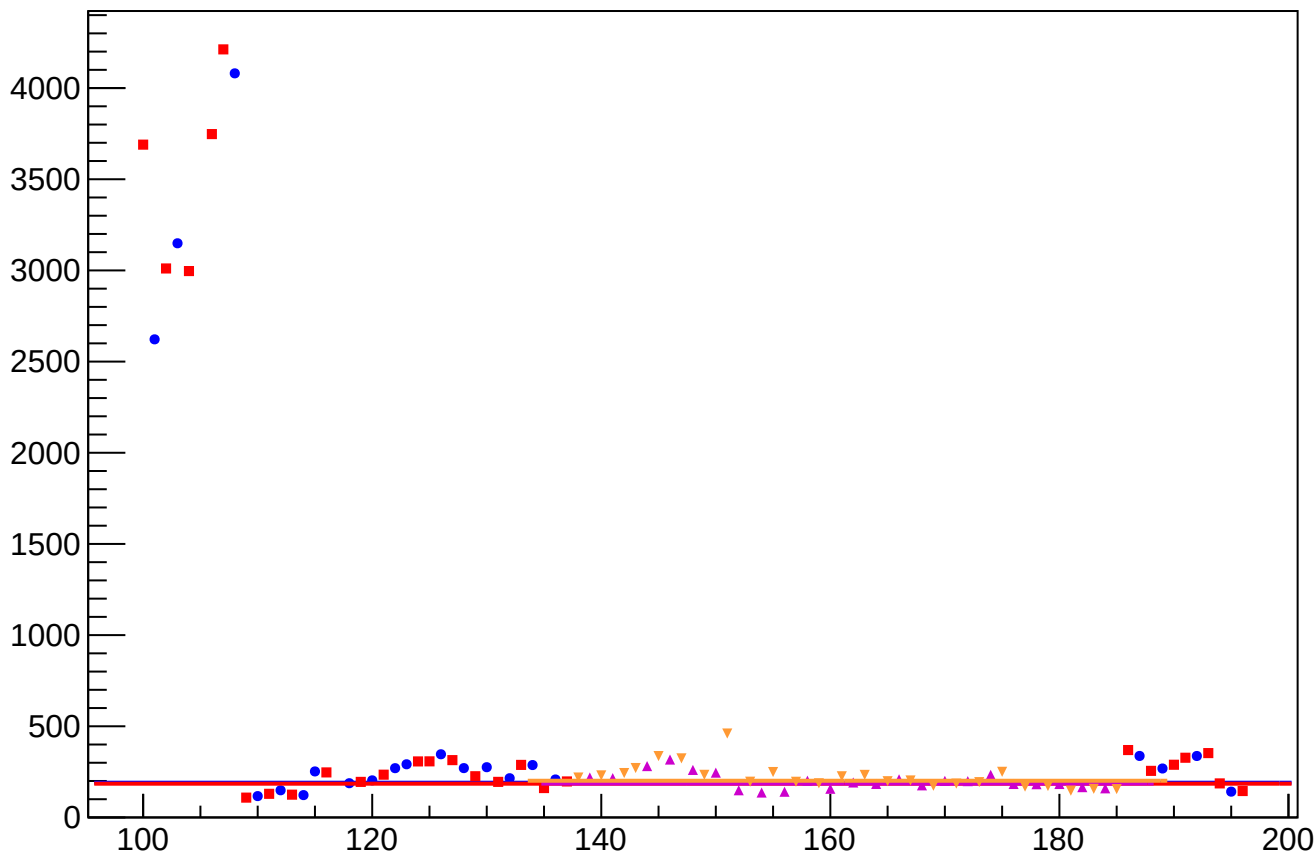
Left In: -34.127 ± 46.296 χ^2/NDF : 7.4/22

+ sign -4.688 ± 40.615 χ^2/NDF : 24.9/45

All: -11.404 ± 27.633 χ^2/NDF : 46.1/94

- sign -17.193 ± 37.705 χ^2/NDF : 21.1/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 190.591 $\pm$ 0.052 χ^2 /NDF: 4249957.9/20

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF: 1851134.1/24

Right Out: 185.145 $\pm$ 0.046 χ^2 /NDF: 5198427.5/25

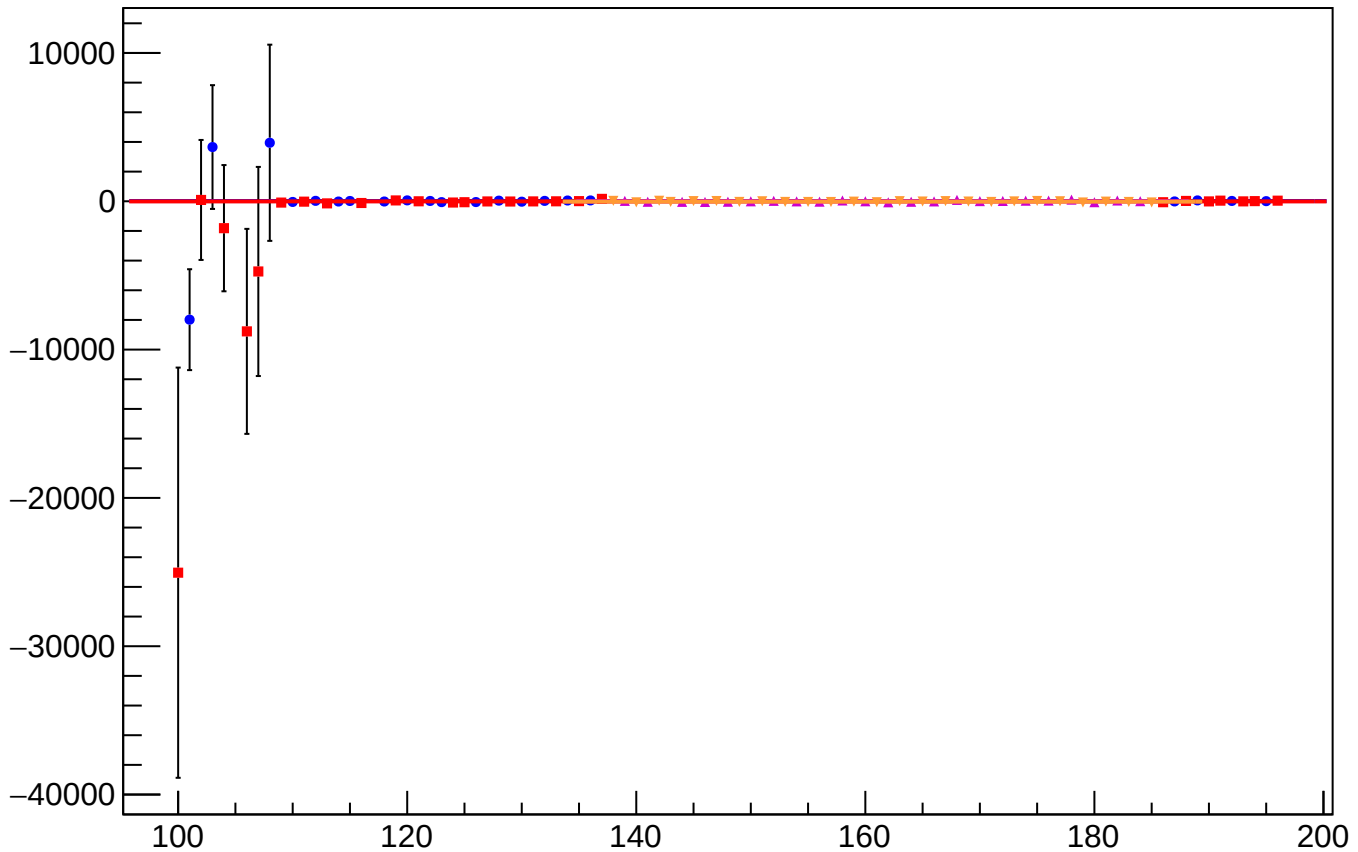
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF: 1381771.9/22

+ sign 198.063 $\pm$ 0.029 χ^2 /NDF: 6130383.4/45

All: 191.377 $\pm$ 0.020 χ^2 /NDF: 12811644.9/94

- sign 185.615 $\pm$ 0.027 χ^2 /NDF: 6580357.4/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 15.887+/-11.250 χ^2/NDF : 15.7/20

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -6.924+/-10.067 χ^2/NDF : 33.9/25

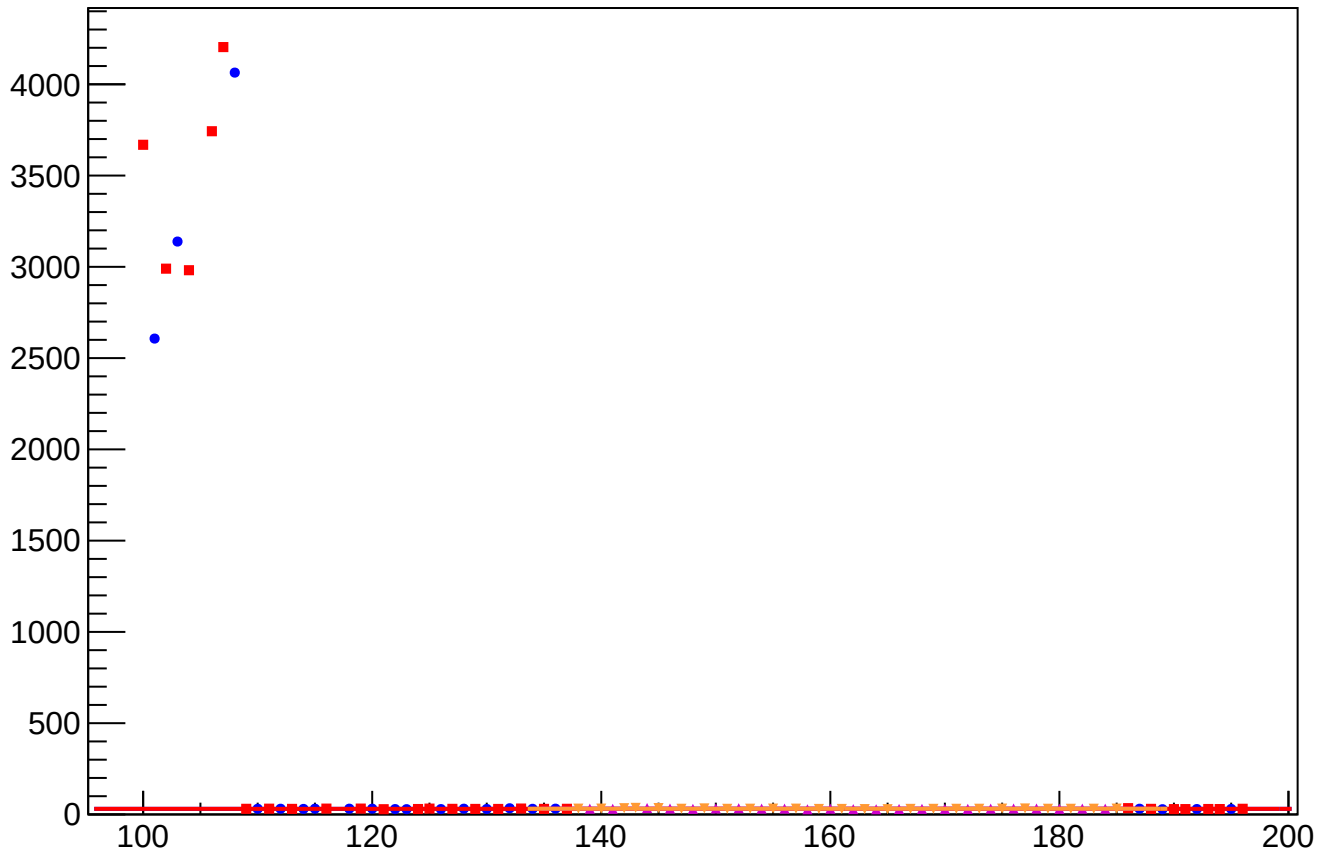
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -11.304+/-6.147 χ^2/NDF : 42.8/45

All: -4.885+/-4.308 χ^2/NDF : 118.2/94

- sign 1.312+/-6.040 χ^2/NDF : 73.2/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.706 $\pm$ 0.008 χ^2 /NDF: 3023811.1/20

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.729 $\pm$ 0.007 χ^2 /NDF: 3475769.3/25

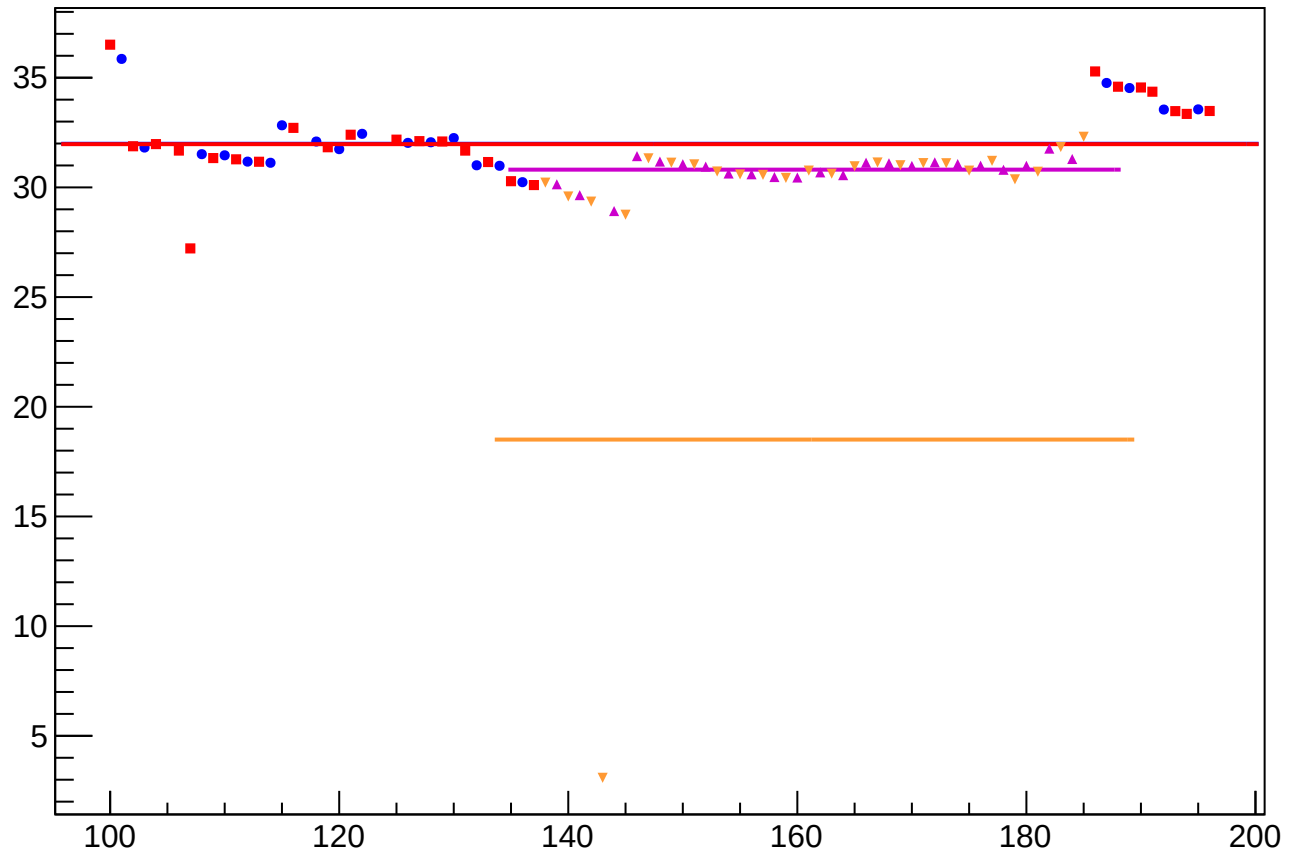
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.250 $\pm$ 0.004 χ^2 /NDF: 3112921.7/45

All: 31.231 $\pm$ 0.003 χ^2 /NDF: 6683911.4/94

- sign 31.213 $\pm$ 0.004 χ^2 /NDF: 3570952.0/48

yield_usl_mean vs Slug



Right In: 31.988+/-0.000 χ^2/NDF : 1975182673.8/19

Left Out: 18.505+/-0.000 χ^2/NDF : 940607632746.3/24

Right Out: 31.971+/-0.000 χ^2/NDF : 1886622865.3/24

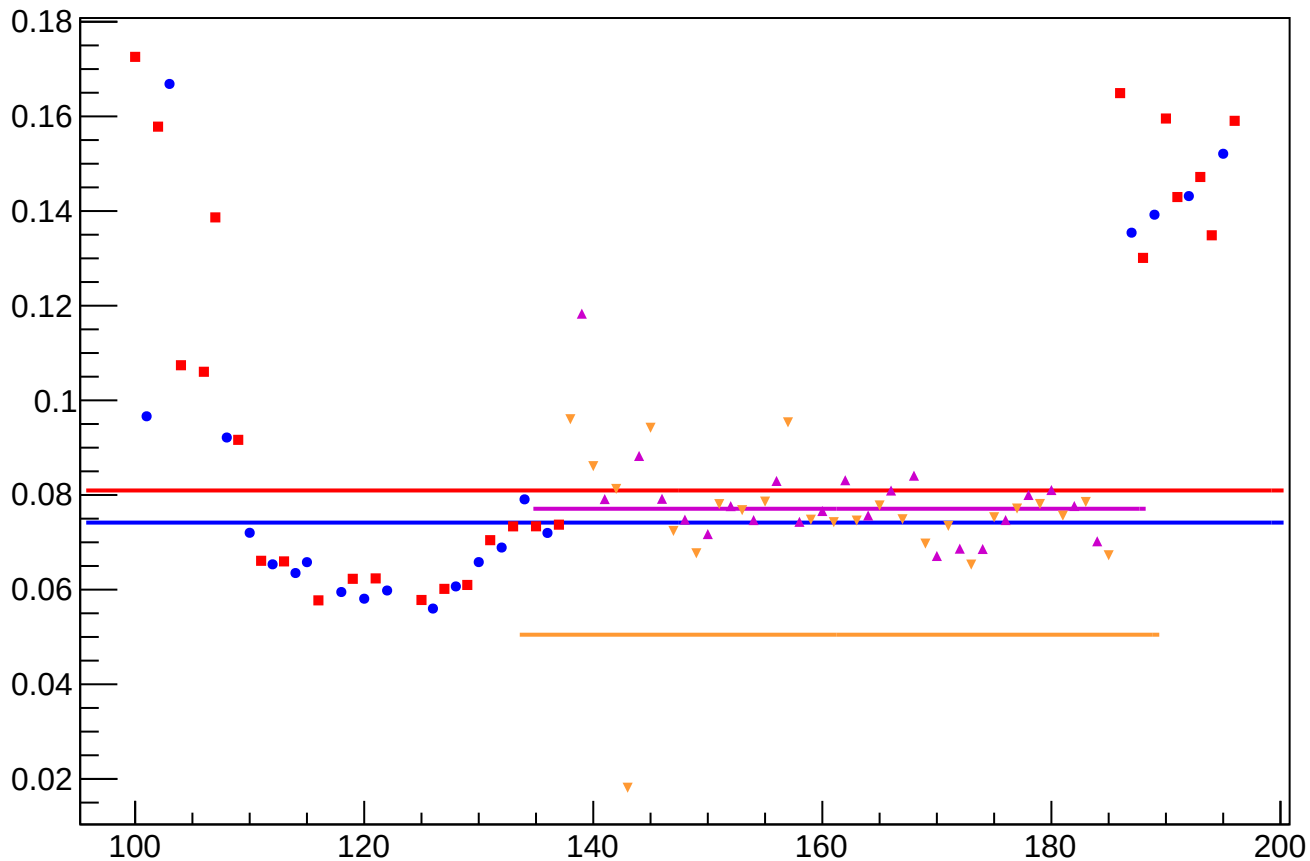
Left In: 30.809+/-0.000 χ^2/NDF : 821961762.3/22

+ sign 21.393+/-0.000 χ^2/NDF : 1135701391524.4/4

All: 25.229+/-0.000 χ^2/NDF : 1377239393972

- sign 31.206+/-0.000 χ^2/NDF : 3938234899.3/47

yield_usl_rms vs Slug



Right In: 0.074 $\pm$ 0.000 χ^2 /NDF: 1810099.0/19

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF:8543648.6/24

Right Out: 0.081 $\pm$ 0.000 χ^2 /NDF: 2706203.3/24

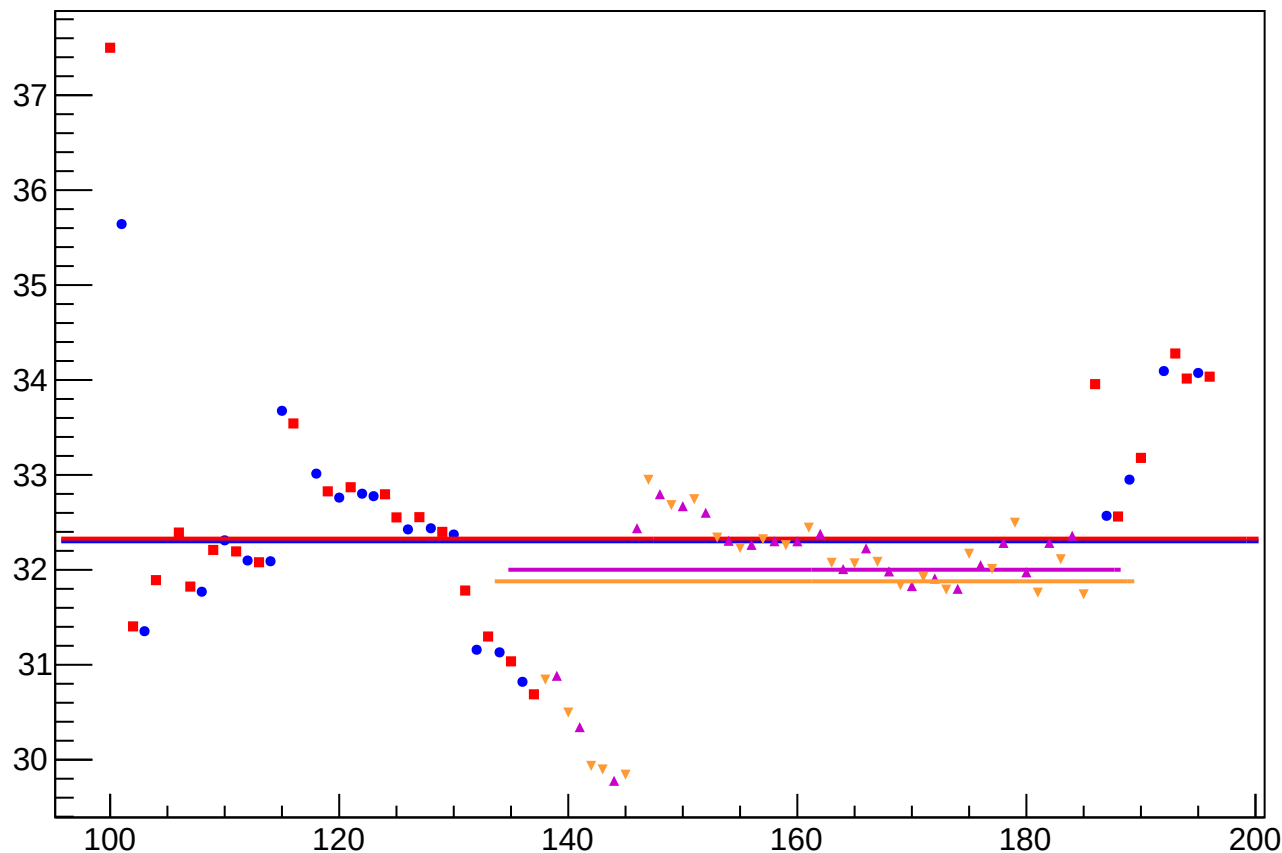
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.056 $\pm$ 0.000 χ^2 /NDF: 11545997.7/44

All: 0.064 $\pm$ 0.000 χ^2 /NDF: 17183893.5/92

- sign 0.078 $\pm$ 0.000 χ^2 /NDF: 3059277.4/47

yield_usr_mean vs Slug



Right In: 32.301 $\pm$ 0.000 χ^2 /NDF: 1144033929.1/20

Left Out: 31.879 $\pm$ 0.000 χ^2 /NDF: 1976281391.1/24

Right Out: 32.329 $\pm$ 0.000 χ^2 /NDF: 684735088.6/24

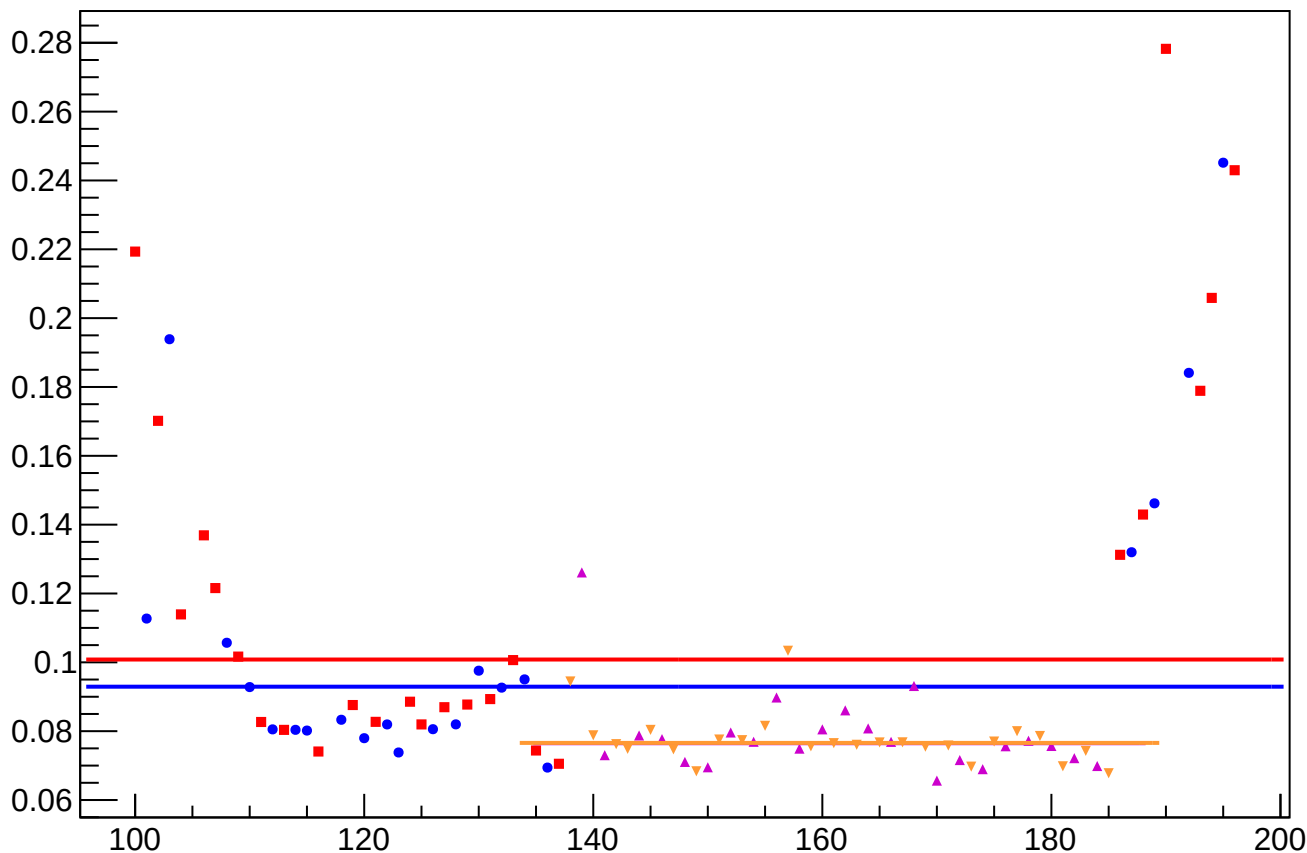
Left In: 32.001 $\pm$ 0.000 χ^2 /NDF: 1411110671.9/22

+ sign 31.975 $\pm$ 0.000 χ^2 /NDF: 3236893187.4/45

All: 32.027 $\pm$ 0.000 χ^2 /NDF: 5425084463.8/9

- sign 32.081 $\pm$ 0.000 χ^2 /NDF: 2167605634.7/47

yield_usr_rms vs Slug



Right In: 0.093 $\pm$ 0.000 χ^2 /NDF: 1788339.5/20

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.101 $\pm$ 0.000 χ^2 /NDF: 2390437.7/24

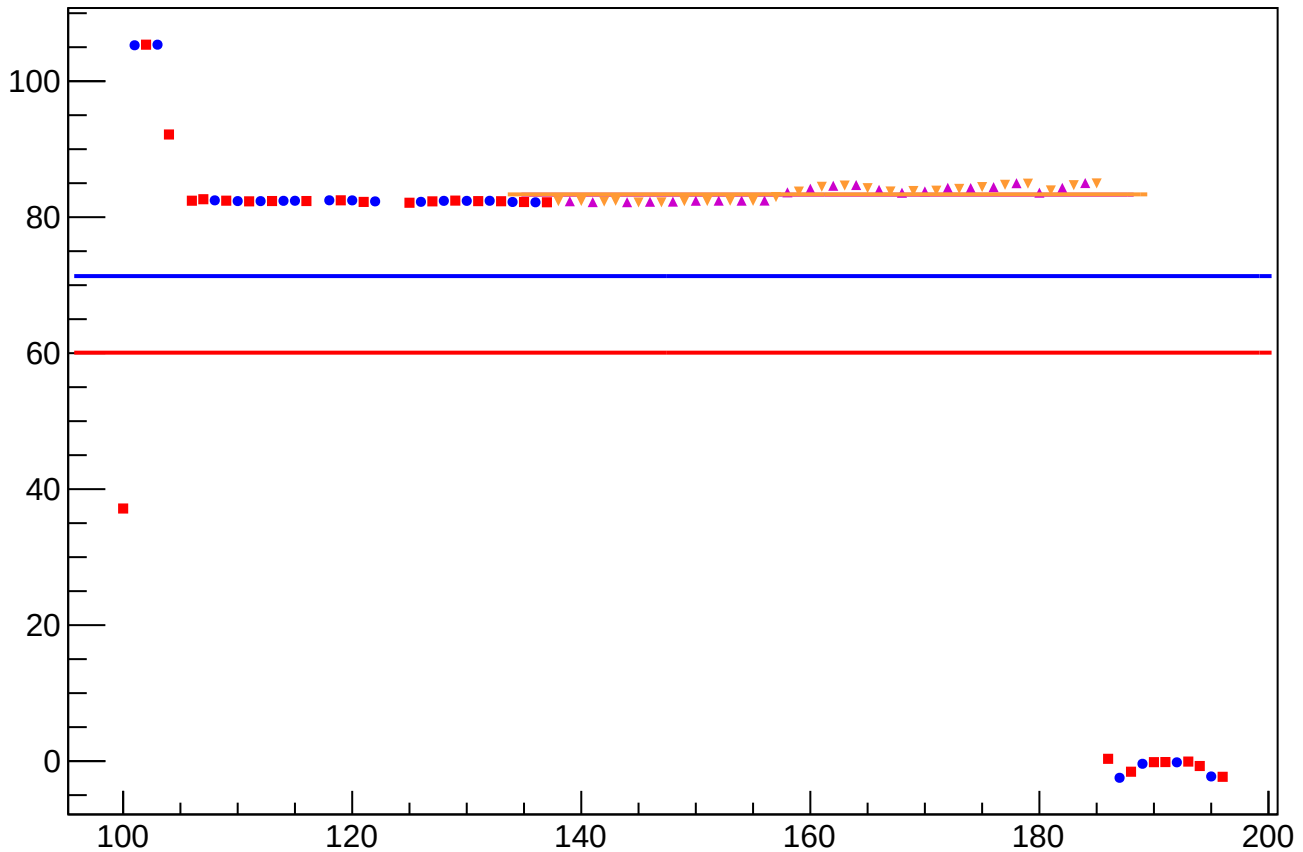
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.080 $\pm$ 0.000 χ^2 /NDF: 2347807.7/45

All: 0.081 $\pm$ 0.000 χ^2 /NDF: 5977619.9/93

- sign 0.082 $\pm$ 0.000 χ^2 /NDF: 3613560.1/47

yield_dsl_mean vs Slug



Right In: 71.335+/-0.000 χ^2/NDF : 5262817410864.3/19

Left Out: 83.355+/-0.000 χ^2/NDF : 9142393022.8/24

Right Out: 60.074+/-0.000 χ^2/NDF : 8463683326301.2/24

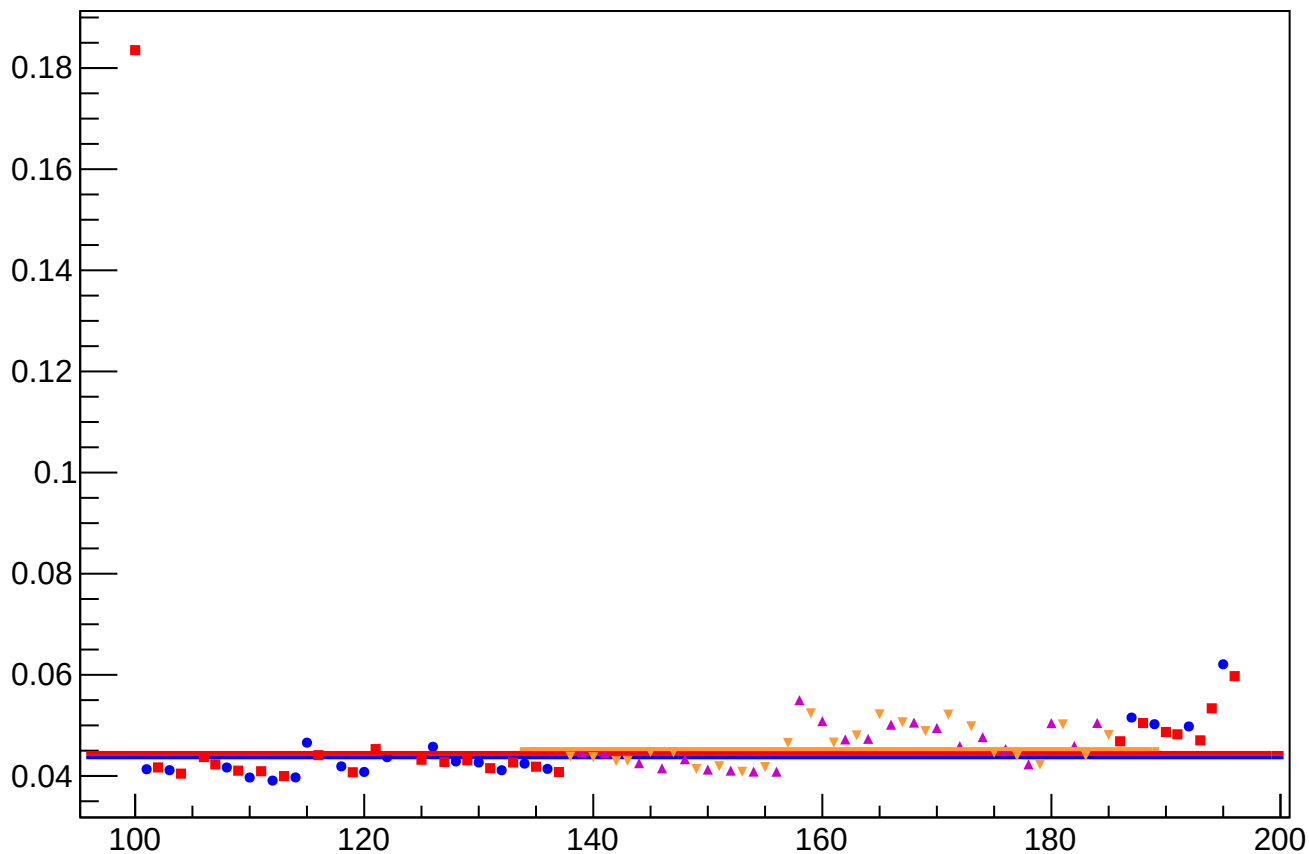
Left In: 83.309+/-0.000 χ^2/NDF : 8421247810.9/22

+ sign 79.230+/-0.000 χ^2/NDF : 5703327129108.3/4

All: 76.602+/-0.000 χ^2/NDF : 1613856377872

- sign 74.080+/-0.000 χ^2/NDF : 10255945242444.9/4

yield_dsl_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF : 235596.3/19

Left Out: 0.045+/-0.000 χ^2/NDF : 211358.2/24

Right Out: 0.045+/-0.000 χ^2/NDF : 329194.9/24

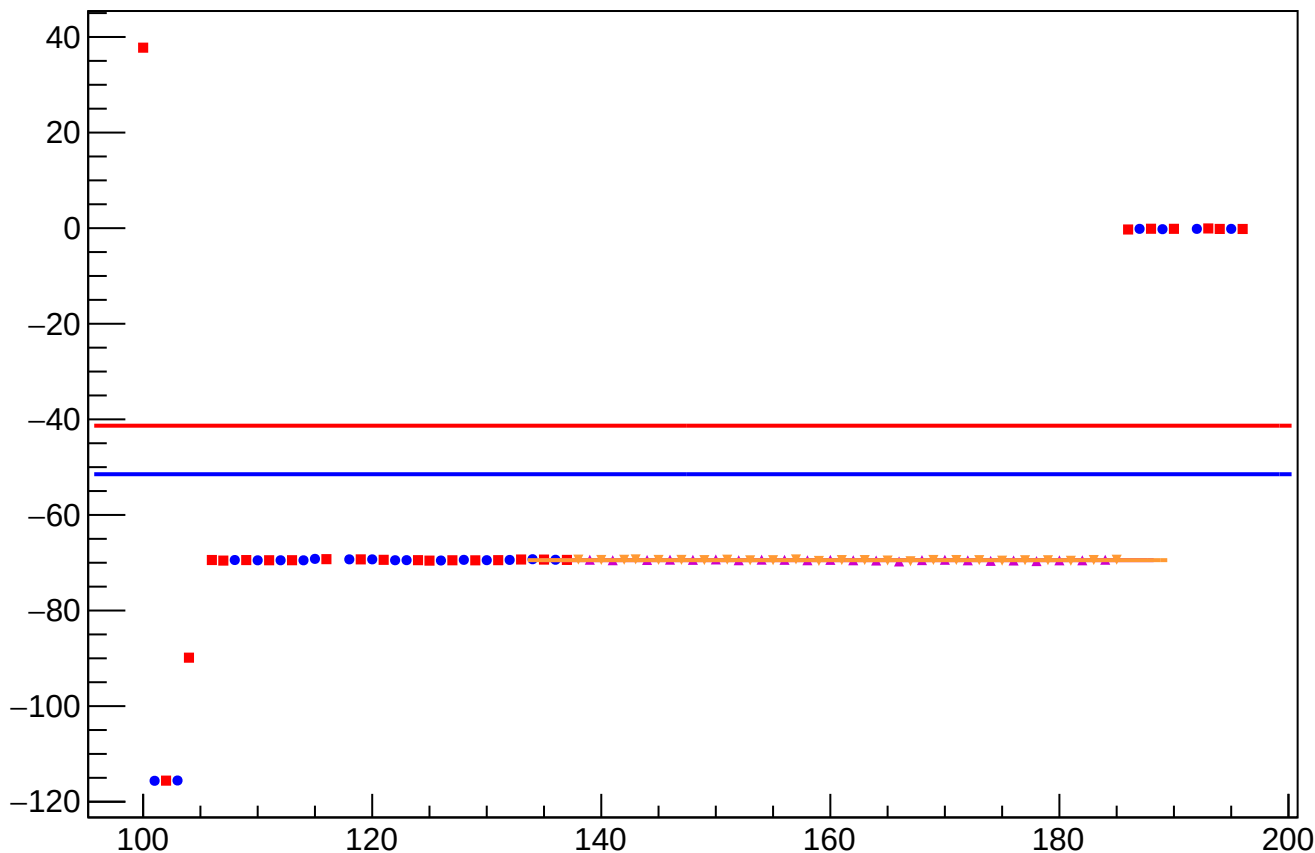
Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

+ sign 0.045+/-0.000 χ^2/NDF : 462511.7/44

All: 0.045+/-0.000 χ^2/NDF : 1037183.9/92

- sign 0.045+/-0.000 χ^2/NDF : 574376.5/47

yield_dsr_mean vs Slug



Right In: -51.481 ± 0.000 $\chi^2/\text{NDF}: 4326984706290.6/20$

Left Out: -69.461 ± 0.000 $\chi^2/\text{NDF}: 49572401.9/24$

Right Out: -41.327 ± 0.000 $\chi^2/\text{NDF}: 5415765425222.4/24$

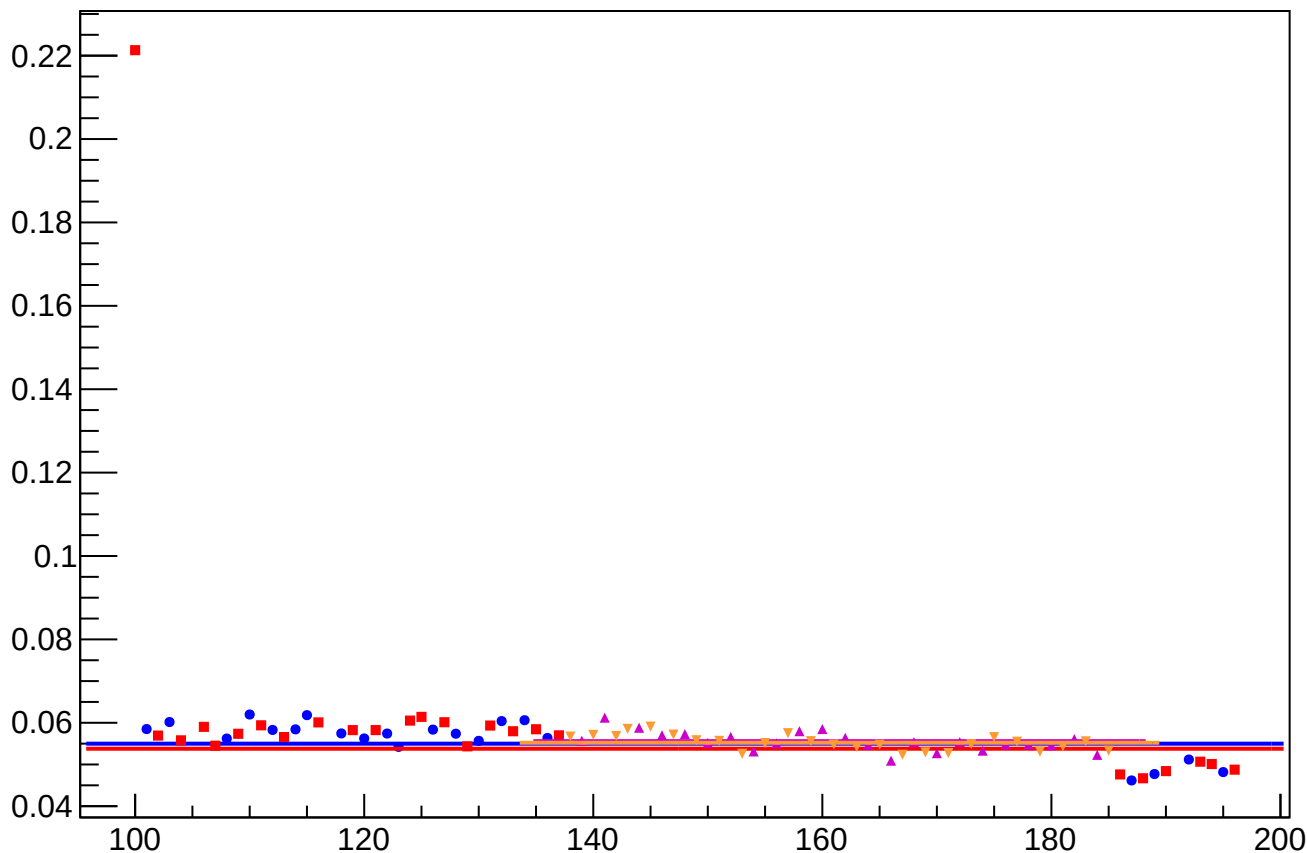
Left In: -69.458 ± 0.000 $\chi^2/\text{NDF}: 52798704.3/22$

+ sign -63.542 ± 0.000 $\chi^2/\text{NDF}: 4947526620523.8/24$

All: -60.757 ± 0.000 $\chi^2/\text{NDF}: 122350512302.4/24$

- sign -58.108 ± 0.000 $\chi^2/\text{NDF}: 7155976645823.9/24$

yield_dsr_rms vs Slug



Right In: 0.055 $\pm$ 0.000 χ^2 /NDF: 119834.3/20

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 248173.4/24

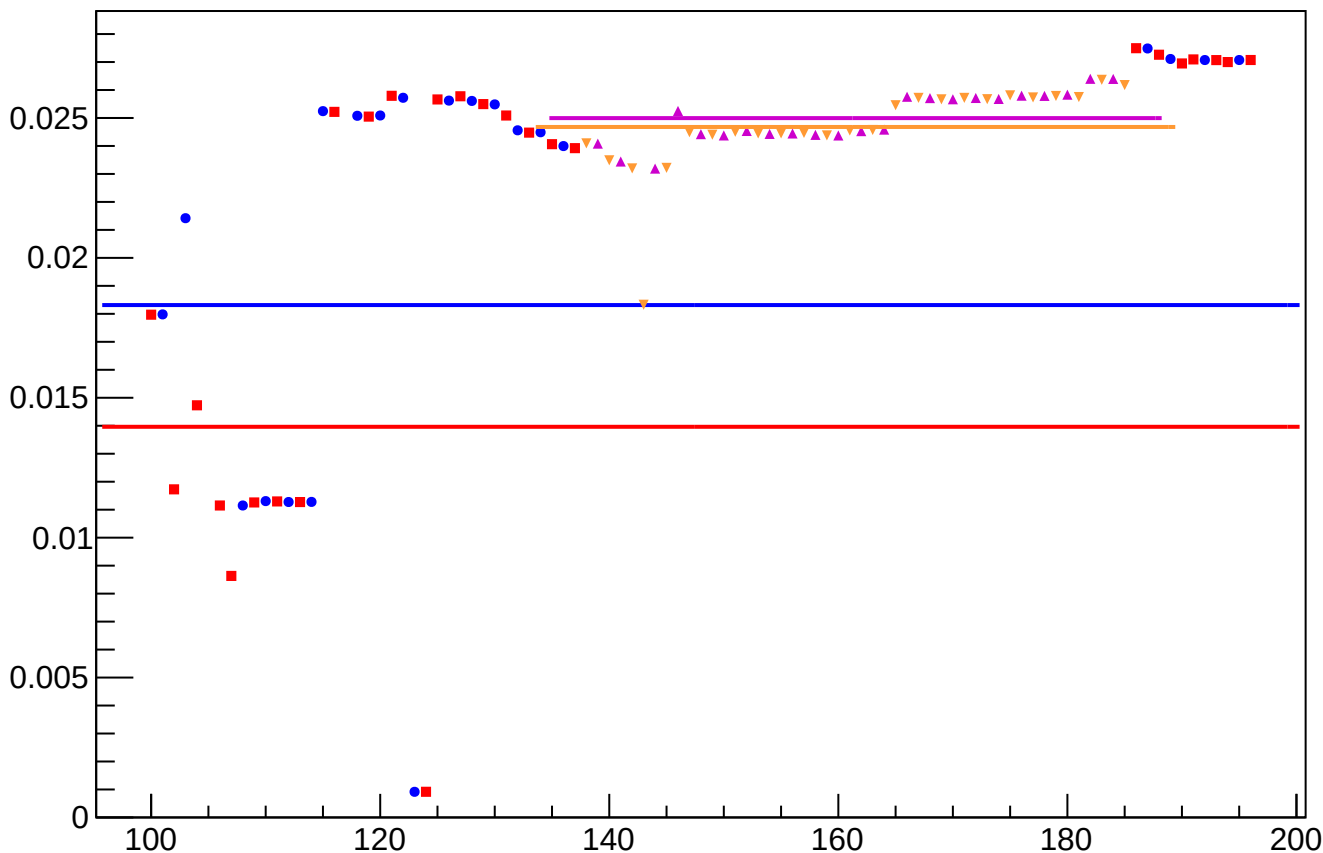
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.055 $\pm$ 0.000 χ^2 /NDF: 158780.3/45

All: 0.055 $\pm$ 0.000 χ^2 /NDF: 474306.1/93

- sign 0.055 $\pm$ 0.000 χ^2 /NDF: 314848.3/47

yield_atl1_mean vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 150100312613.6/20

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 334373982158.2/25

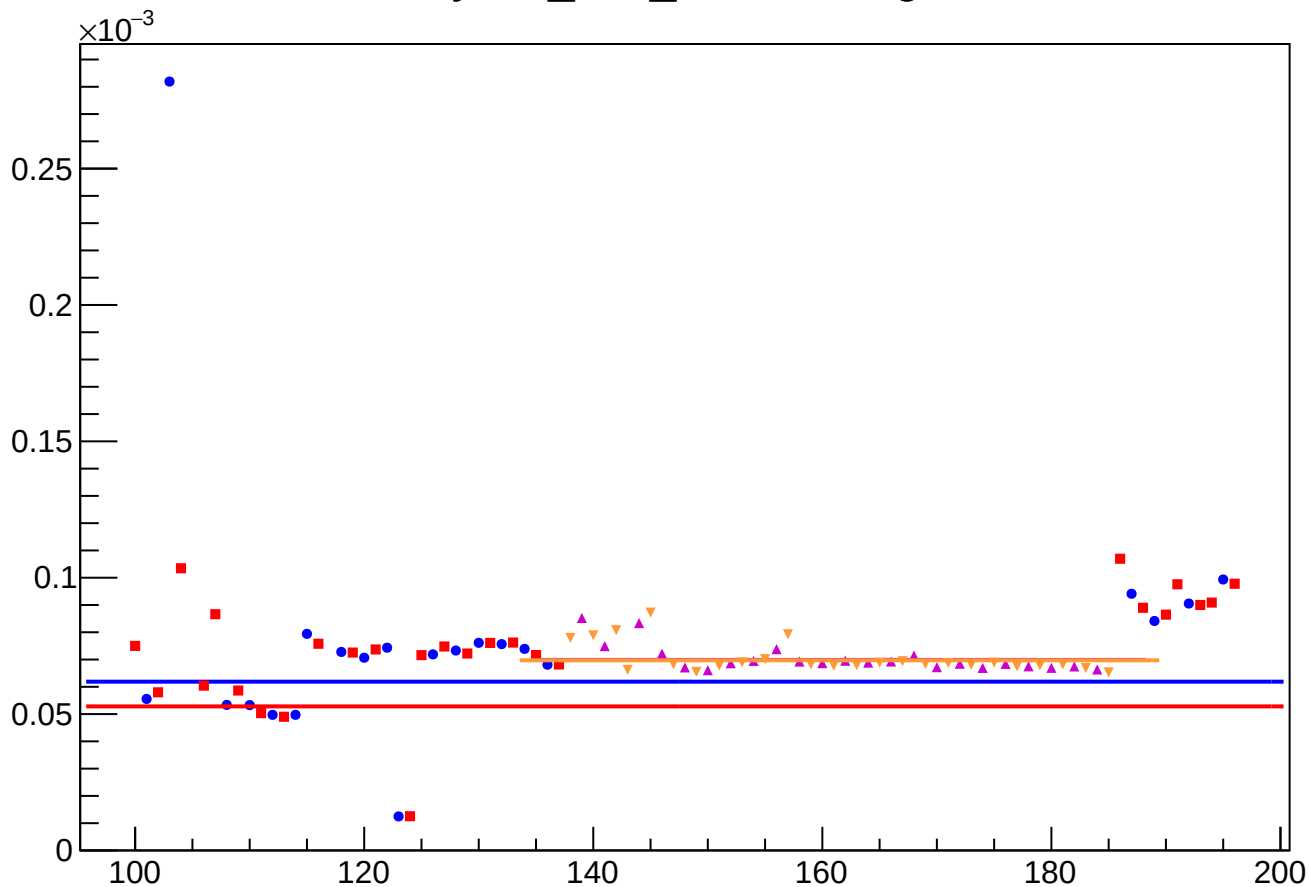
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 211474508434.6/45

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 759224711255.6

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 529580489853.8/48

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2581007.5/20

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5447444.8/25

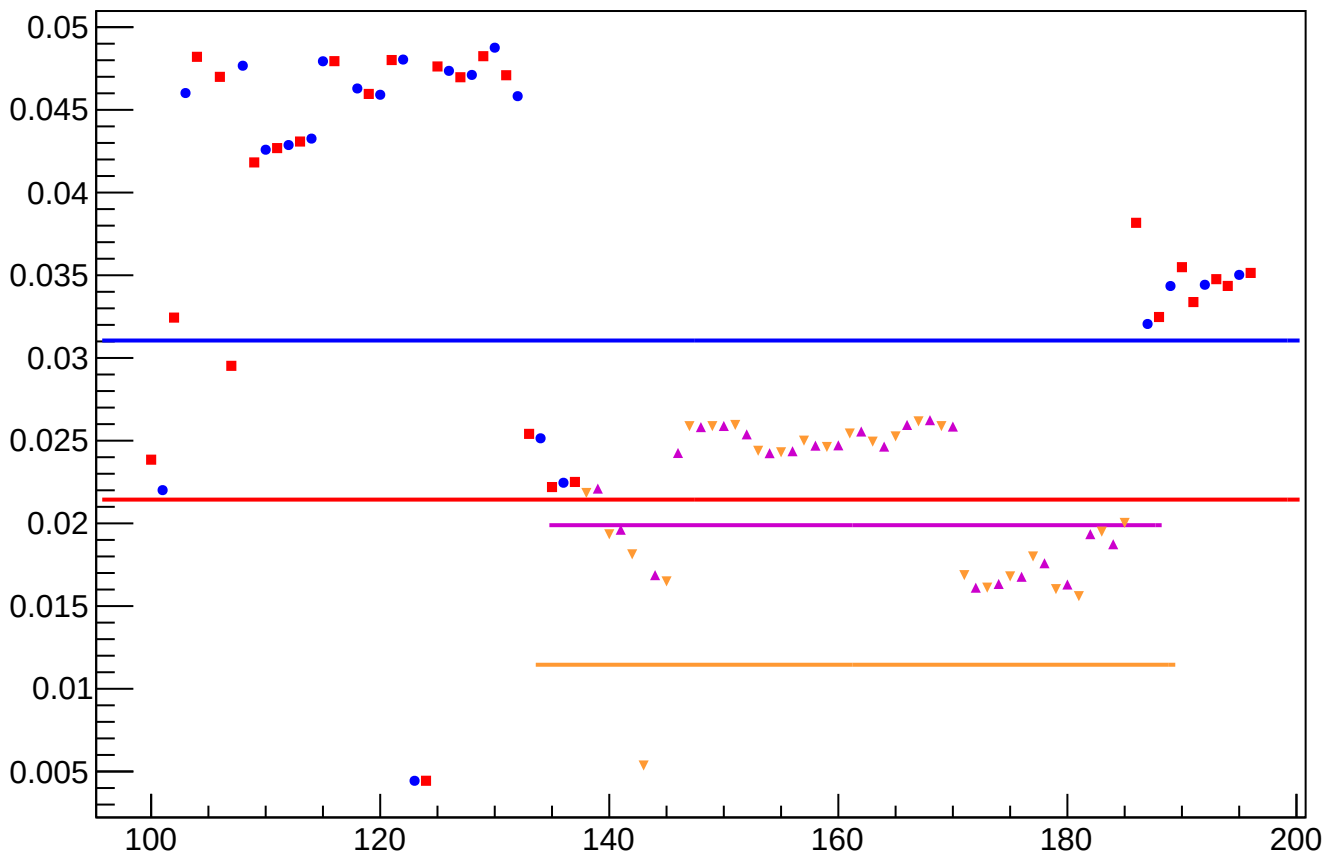
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 2895601.4/45

All: 0.000+/-0.000 χ^2/NDF : 9531532.9/94

- sign 0.000+/-0.000 χ^2/NDF : 6495717.0/48

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21172926514.6/20

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.021+/-0.000 χ^2/NDF : 42237317686.5/25

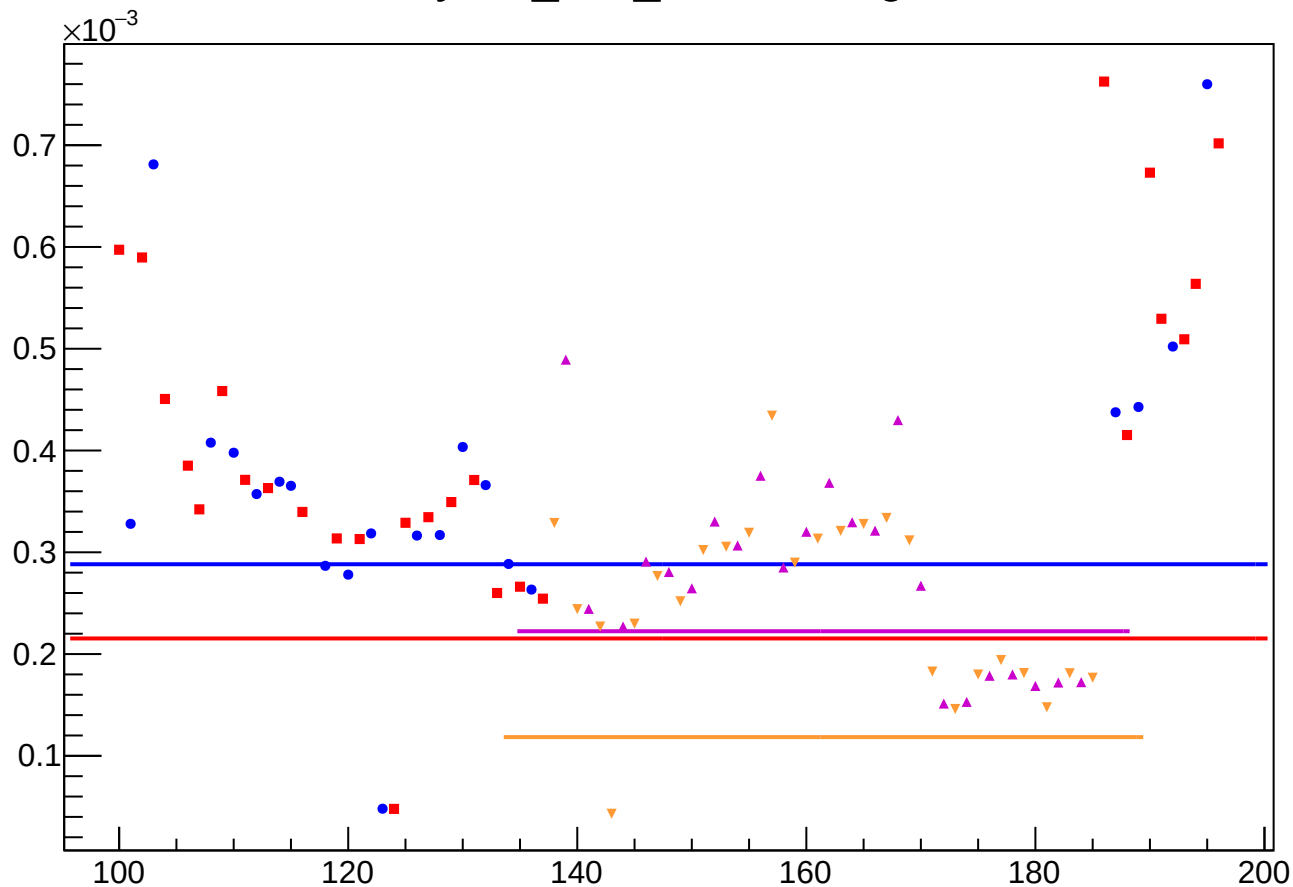
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 88568601751.3/45

All: 0.016+/-0.000 χ^2/NDF : 148945717592.4

- sign 0.020+/-0.000 χ^2/NDF : 46912383859.4/48

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3523309.9/20

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13563132.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8673075.6/25

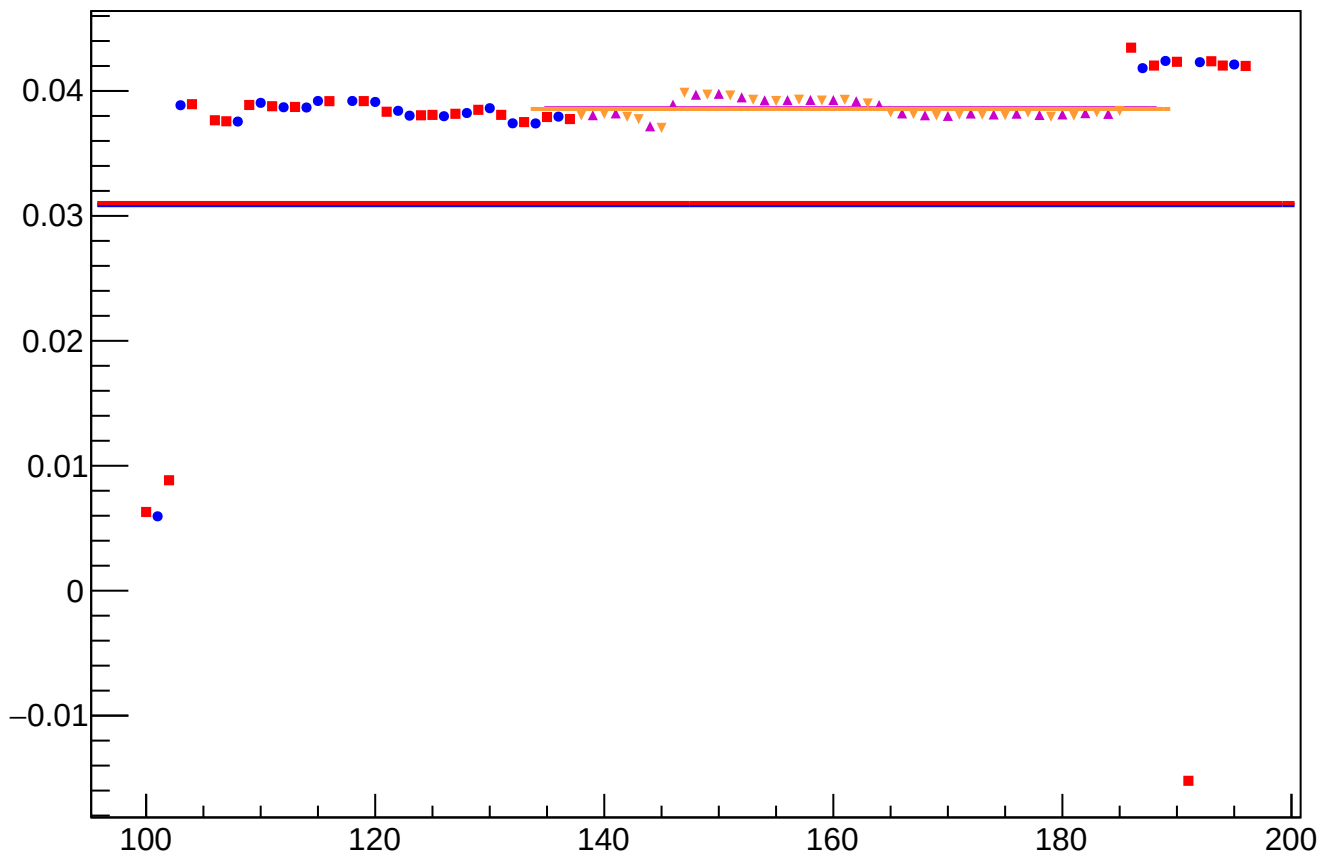
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3281119.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21156406.9/45

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37117815.4/94

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11963310.7/48

yield_atr1_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 103245378937.9/20

Left Out: 0.039+/-0.000 χ^2/NDF : 539468437.3/24

Right Out: 0.031+/-0.000 χ^2/NDF : 171551909305.0/25

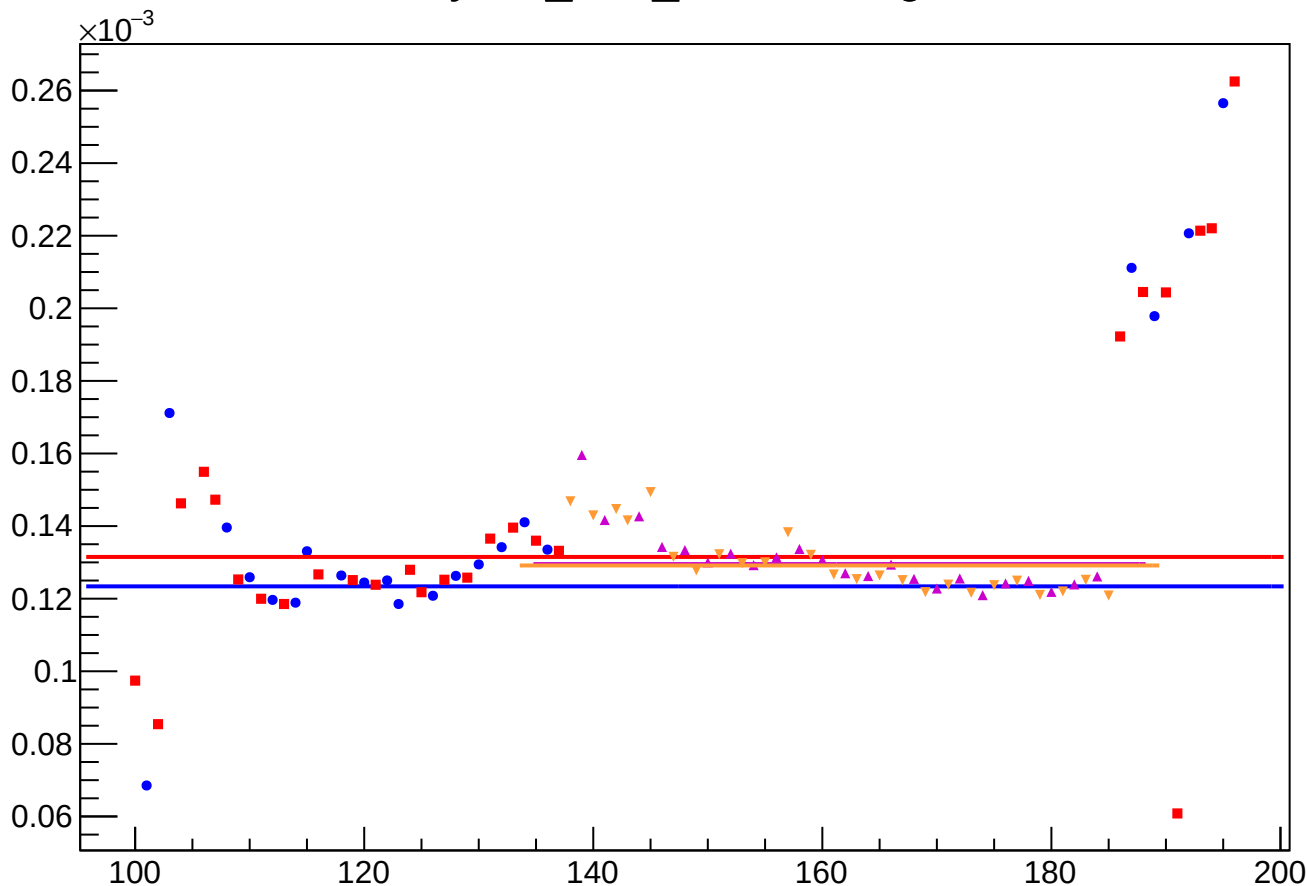
Left In: 0.039+/-0.000 χ^2/NDF : 465745982.6/22

+ sign 0.036+/-0.000 χ^2/NDF : 124502563733.3/45

All: 0.036+/-0.000 χ^2/NDF : 317434112371.1

- sign 0.036+/-0.000 χ^2/NDF : 192911751258.3/48

yield_atr1_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1822908.8/20

Left Out: 0.000 ± 0.000 χ^2/NDF : 130321.6/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 2074427.1/25

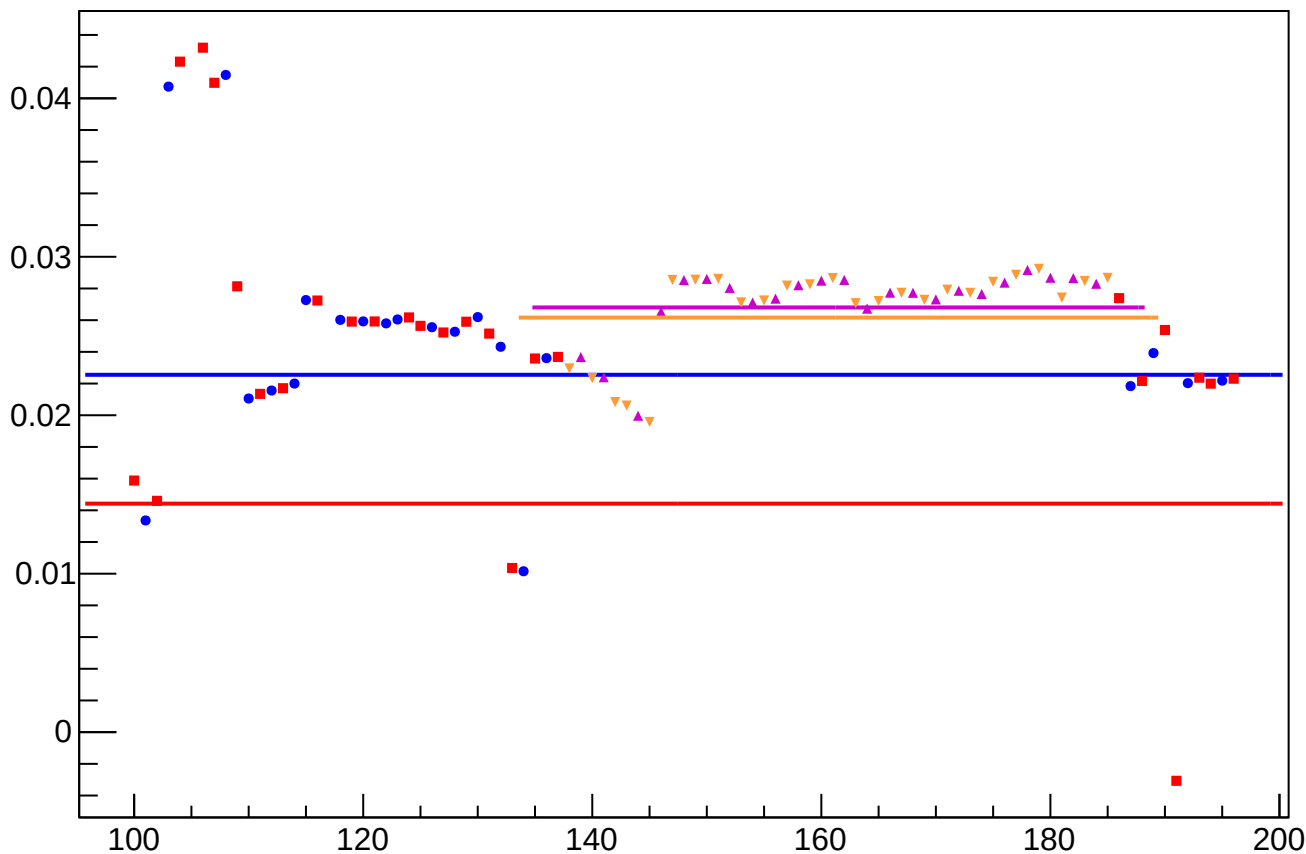
Left In: 0.000 ± 0.000 χ^2/NDF : 114763.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 1976385.6/45

All: 0.000 ± 0.000 χ^2/NDF : 4182168.3/94

- sign 0.000 ± 0.000 χ^2/NDF : 2192009.6/48

yield_atr2_mean vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 4244021004.6/20

Left Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 2056710635.1/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 30632224952.1/25

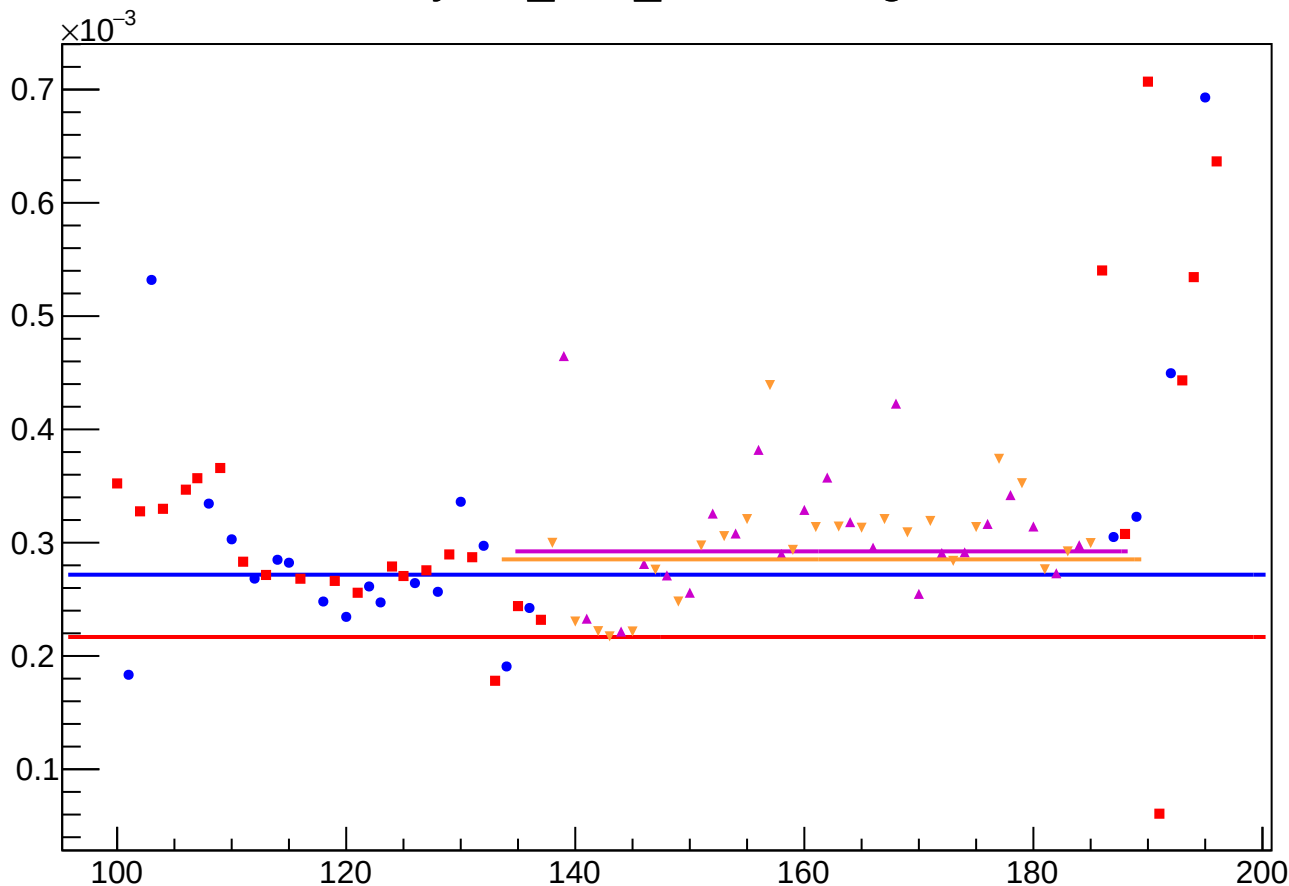
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF: 1332033607.7/22

+ sign 0.025 $\pm$ 0.000 χ^2 /NDF: 7176318724.7/45

All: 0.023 $\pm$ 0.000 χ^2 /NDF: 54524933957.7/9

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 44975004981.5/48

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1552491.2/20

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5797654.2/25

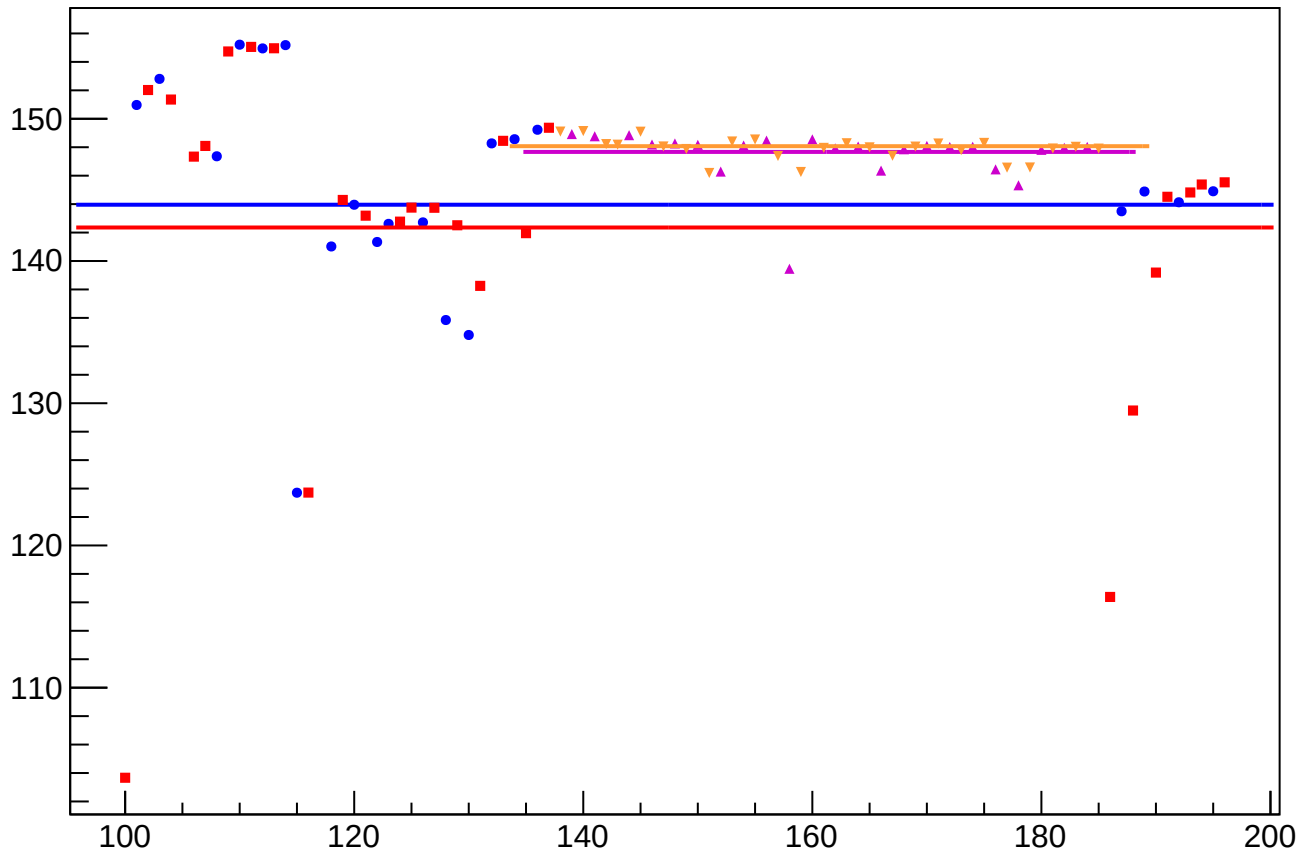
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2390503.6/45

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10228708.2/94

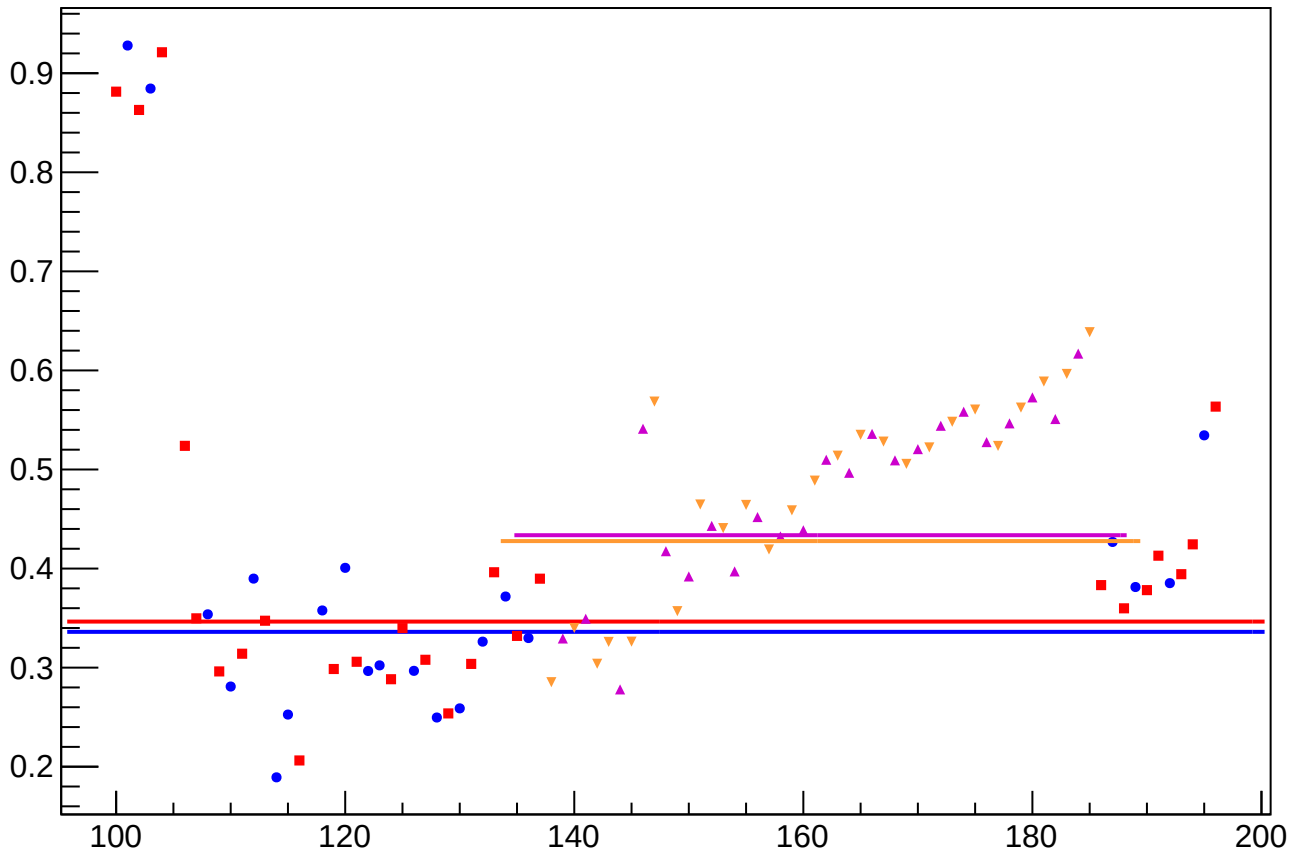
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7666300.9/48

yield_bcm_an_ds_mean vs Slug



Right In: 143.957 $\pm$ 0.000	χ^2 /NDF: 3456767802.9/20	+ sign 146.339 $\pm$ 0.000	χ^2 /NDF: 4184592119.7/45
Left Out: 148.073 $\pm$ 0.000	χ^2 /NDF: 65614067.4/24	All: 145.709 $\pm$ 0.000	χ^2 /NDF: 13164550932.1/48
Right Out: 142.356 $\pm$ 0.000	χ^2 /NDF: 7331078034.2/25	- sign 145.104 $\pm$ 0.000	χ^2 /NDF: 8855239782.1/48
Left In: 147.670 $\pm$ 0.000	χ^2 /NDF: 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.336 ± 0.000 χ^2/NDF : 1584815.9/20

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.346 ± 0.000 χ^2/NDF : 1603233.6/25

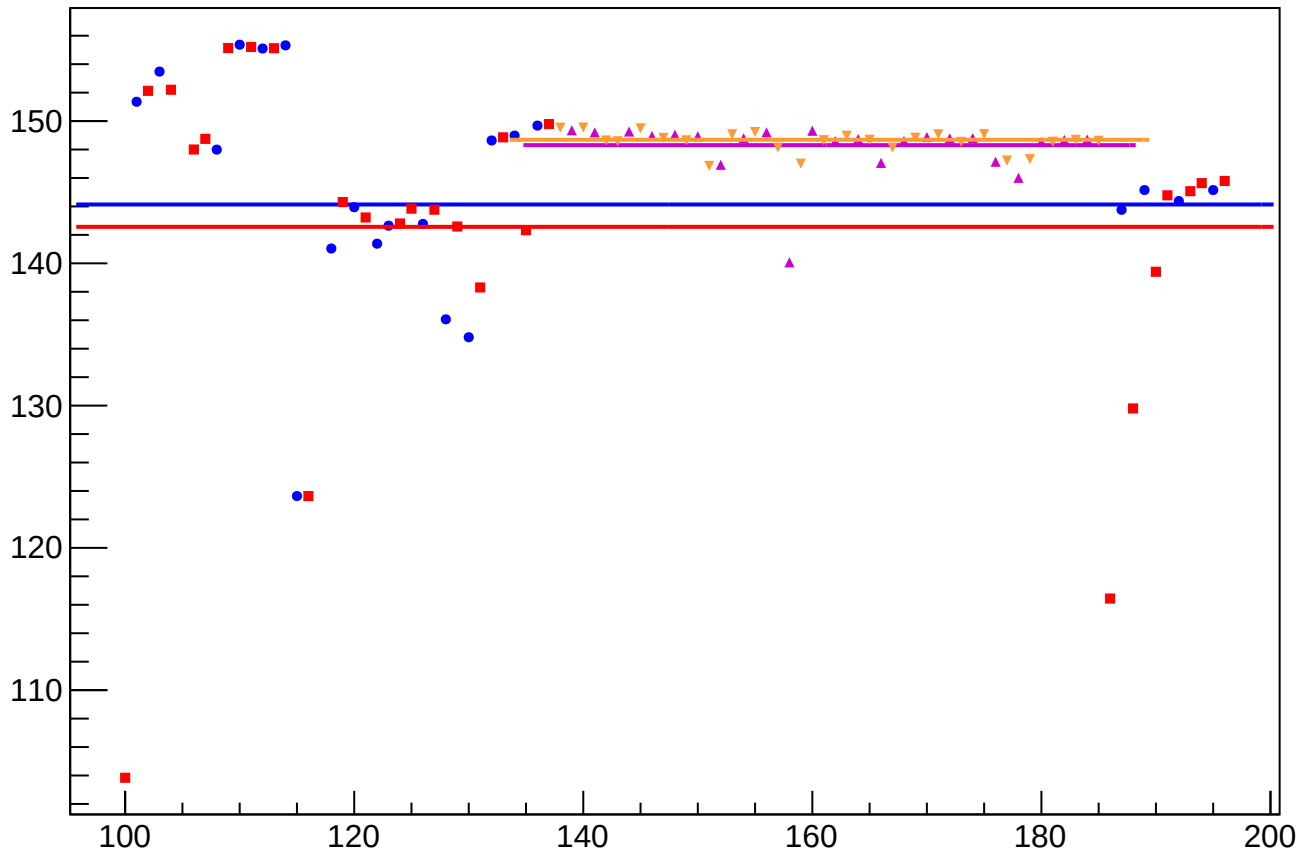
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.389 ± 0.000 χ^2/NDF : 4137914.8/45

All: 0.390 ± 0.000 χ^2/NDF : 7873151.4/94

- sign 0.392 ± 0.000 χ^2/NDF : 3734259.8/48

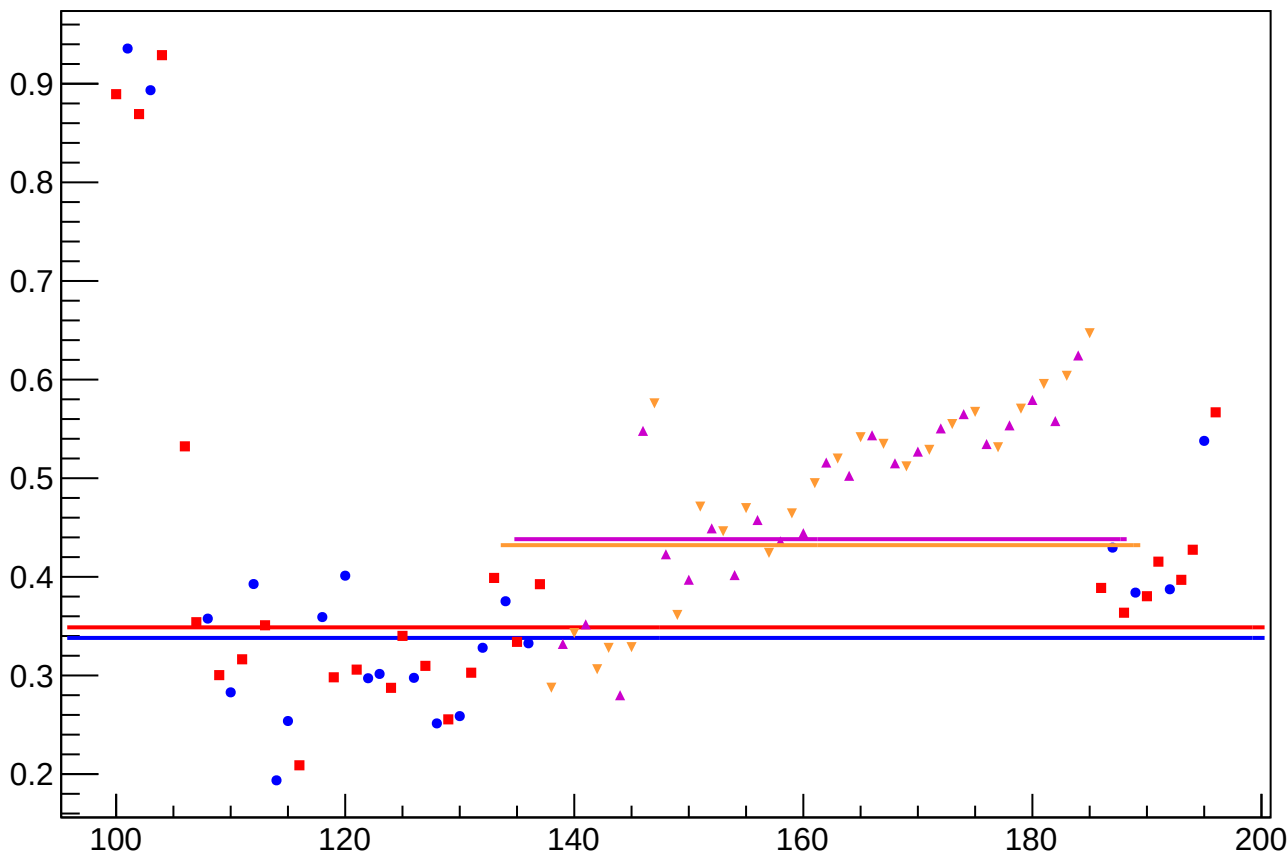
yield_bcm_an_ds3_mean vs Slug



Right In: 144.137 ± 0.000 χ^2/NDF : 3502328498.0/20
 Left Out: 148.686 ± 0.000 χ^2/NDF : 52218185.1/24
 Right Out: 142.566 ± 0.000 χ^2/NDF : 7276360810.9/25
 Left In: 148.307 ± 0.000 χ^2/NDF : 333585558.2/22

+ sign 146.759 ± 0.000 χ^2/NDF : 4350967027.4/45
 All: 146.128 ± 0.000 χ^2/NDF : 13436066421.
 - sign 145.523 ± 0.000 χ^2/NDF : 8962370326.4/48

yield_bcm_an_ds3_rms vs Slug



Right In: 0.338 ± 0.000 $\chi^2/\text{NDF}: 1587205.6/20$

Left Out: 0.432 ± 0.000 $\chi^2/\text{NDF}: 1929031.5/24$

Right Out: 0.349 ± 0.000 $\chi^2/\text{NDF}: 1607928.3/25$

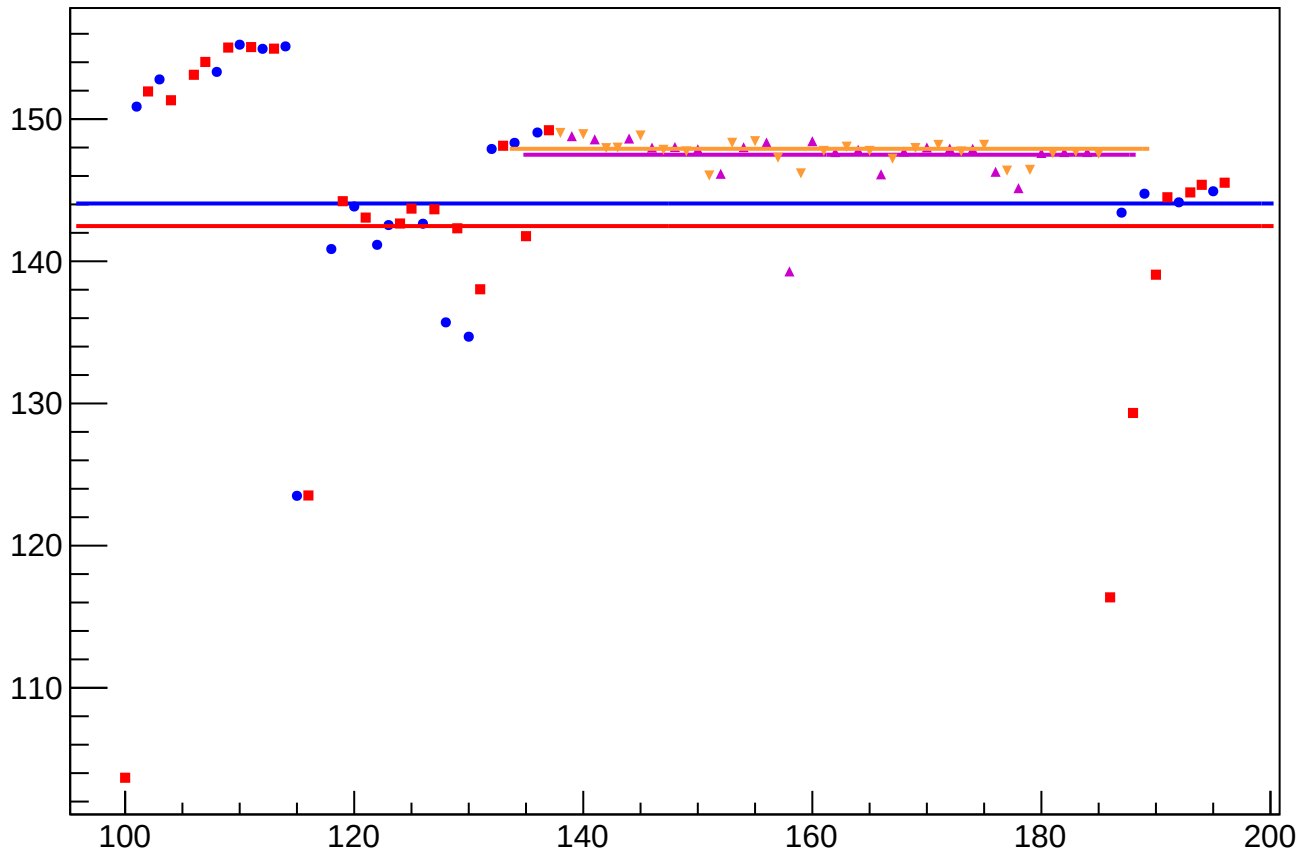
Left In: 0.438 ± 0.000 $\chi^2/\text{NDF}: 1521893.6/22$

+ sign 0.392 ± 0.000 $\chi^2/\text{NDF}: 4197261.6/45$

All: 0.394 ± 0.000 $\chi^2/\text{NDF}: 7984215.1/94$

- sign 0.395 ± 0.000 $\chi^2/\text{NDF}: 3785881.0/48$

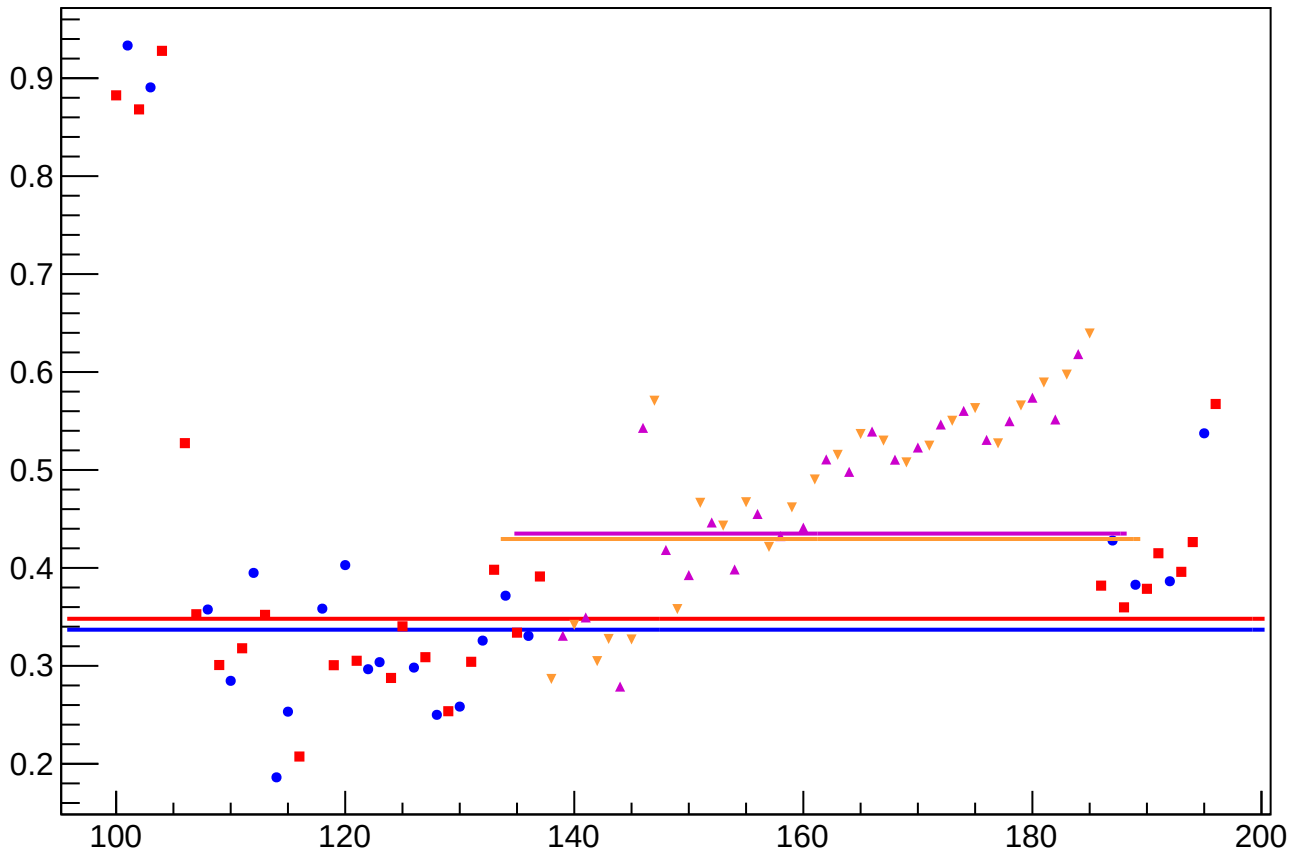
yield_bcm_an_us_mean vs Slug



Right In: 144.065 $\pm$ 0.000 χ^2/NDF : 3668597961.8/20
 Left Out: 147.911 $\pm$ 0.000 χ^2/NDF : 64412407.9/24
 Right Out: 142.476 $\pm$ 0.000 χ^2/NDF : 7717789864.6/25
 Left In: 147.493 $\pm$ 0.000 χ^2/NDF : 343978473.2/22

+ sign 146.289 $\pm$ 0.000 χ^2/NDF : 4307308793.1/45
 All: 145.669 $\pm$ 0.000 χ^2/NDF : 13531772773.
 - sign 145.074 $\pm$ 0.000 χ^2/NDF : 9104597954.2/48

yield_bcm_an_us_rms vs Slug



Right In: 0.337 ± 0.000 χ^2/NDF : 1602619.8/20

Left Out: 0.430 ± 0.000 χ^2/NDF : 1895701.4/24

Right Out: 0.348 ± 0.000 χ^2/NDF : 1605884.0/25

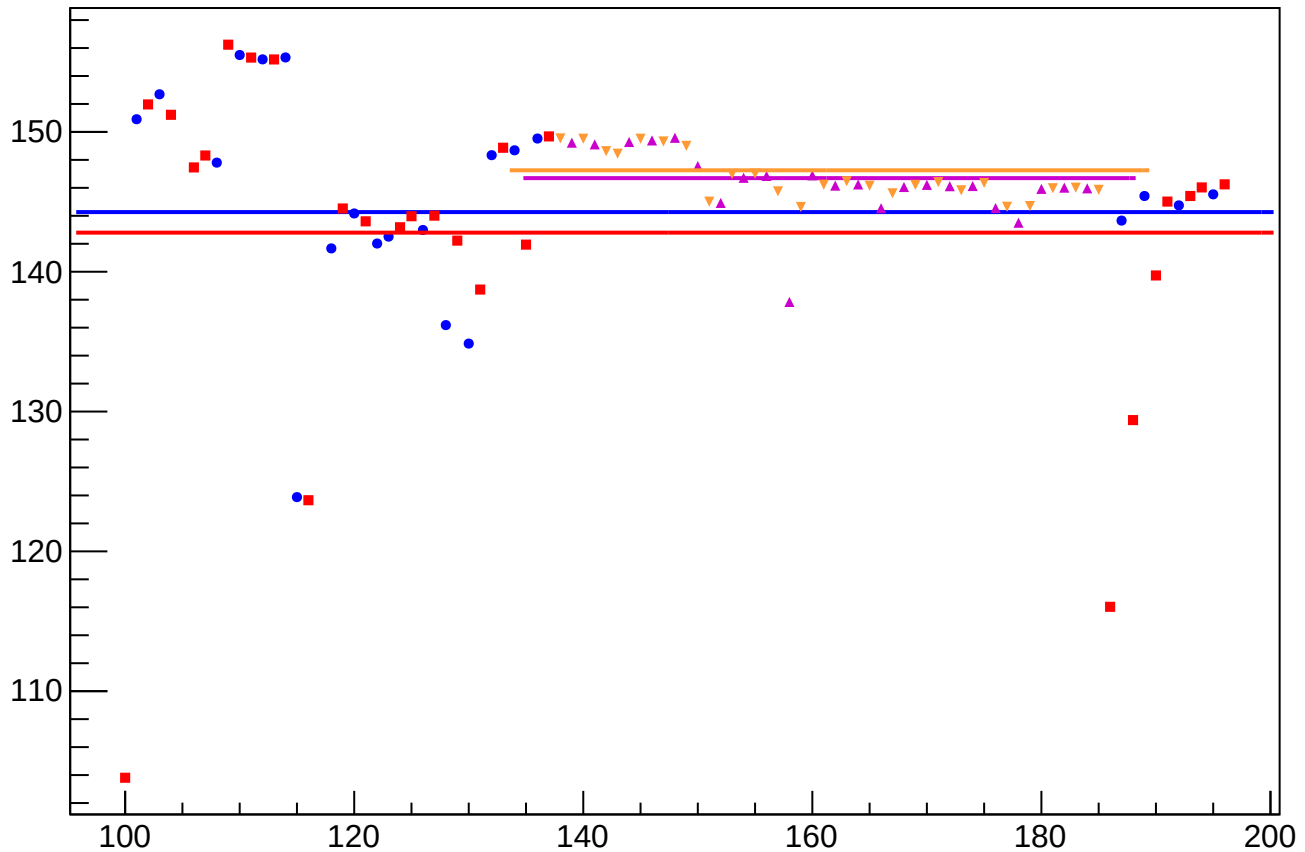
Left In: 0.435 ± 0.000 χ^2/NDF : 1502712.5/22

+ sign 0.390 ± 0.000 χ^2/NDF : 4163987.2/45

All: 0.392 ± 0.000 χ^2/NDF : 7900540.6/94

- sign 0.393 ± 0.000 χ^2/NDF : 3735411.4/48

yield_bcm_dg_us_mean vs Slug



Right In: 144.267 $\pm$ 0.000 χ^2 /NDF: 3173821253.2/20

Left Out: 147.255 $\pm$ 0.000 χ^2 /NDF: 262138049.8/24

Right Out: 142.797 $\pm$ 0.000 χ^2 /NDF: 7033249692.6/25

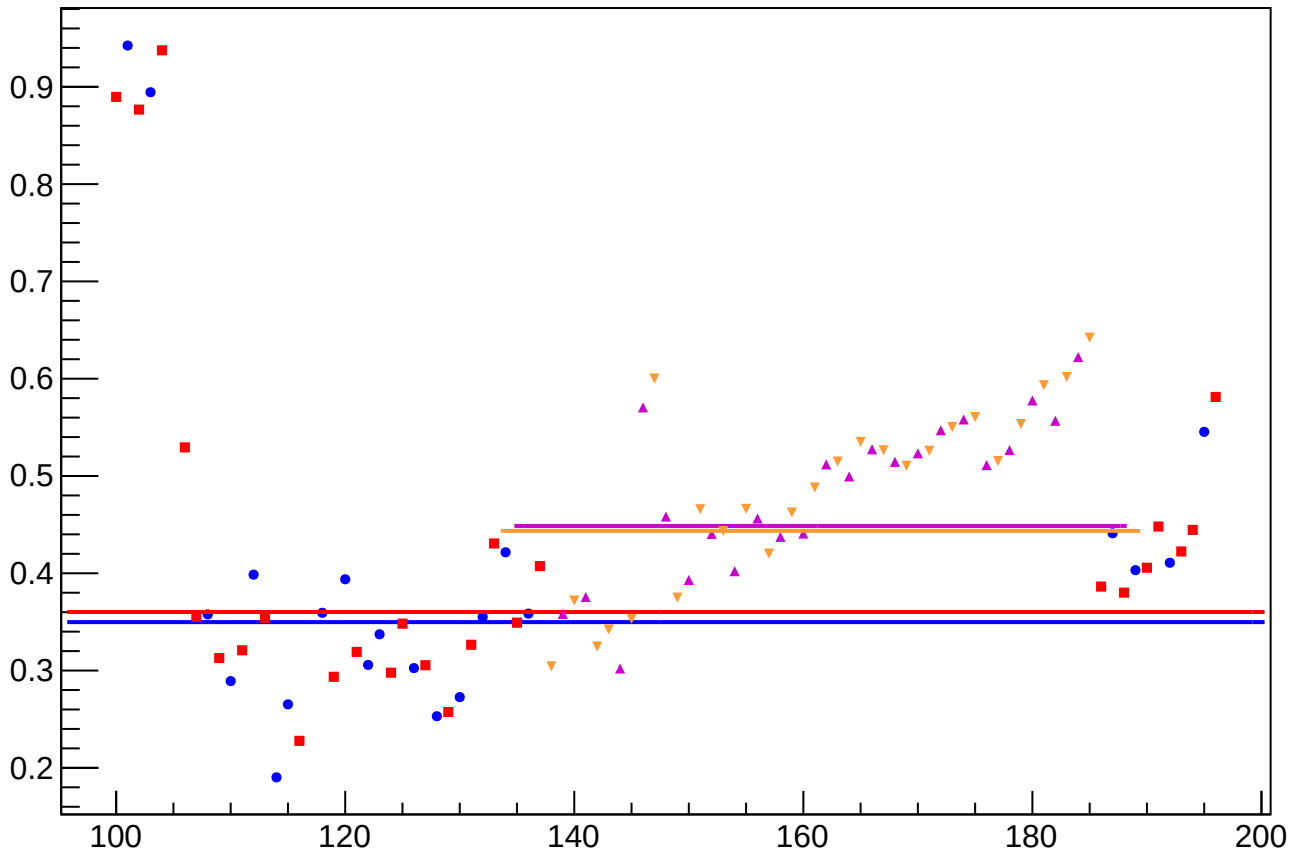
Left In: 146.695 $\pm$ 0.000 χ^2 /NDF: 557896803.1/22

+ sign 146.011 $\pm$ 0.000 χ^2 /NDF: 3759689961.2/45

All: 145.410 $\pm$ 0.000 χ^2 /NDF: 12047774270.

- sign 144.836 $\pm$ 0.000 χ^2 /NDF: 8182773520.3/48

yield_bcm_dg_us_rms vs Slug



Right In: 0.350 ± 0.000 χ^2/NDF : 1583082.1/20

Left Out: 0.444 ± 0.000 χ^2/NDF : 1483434.7/24

Right Out: 0.360 ± 0.000 χ^2/NDF : 1593196.3/25

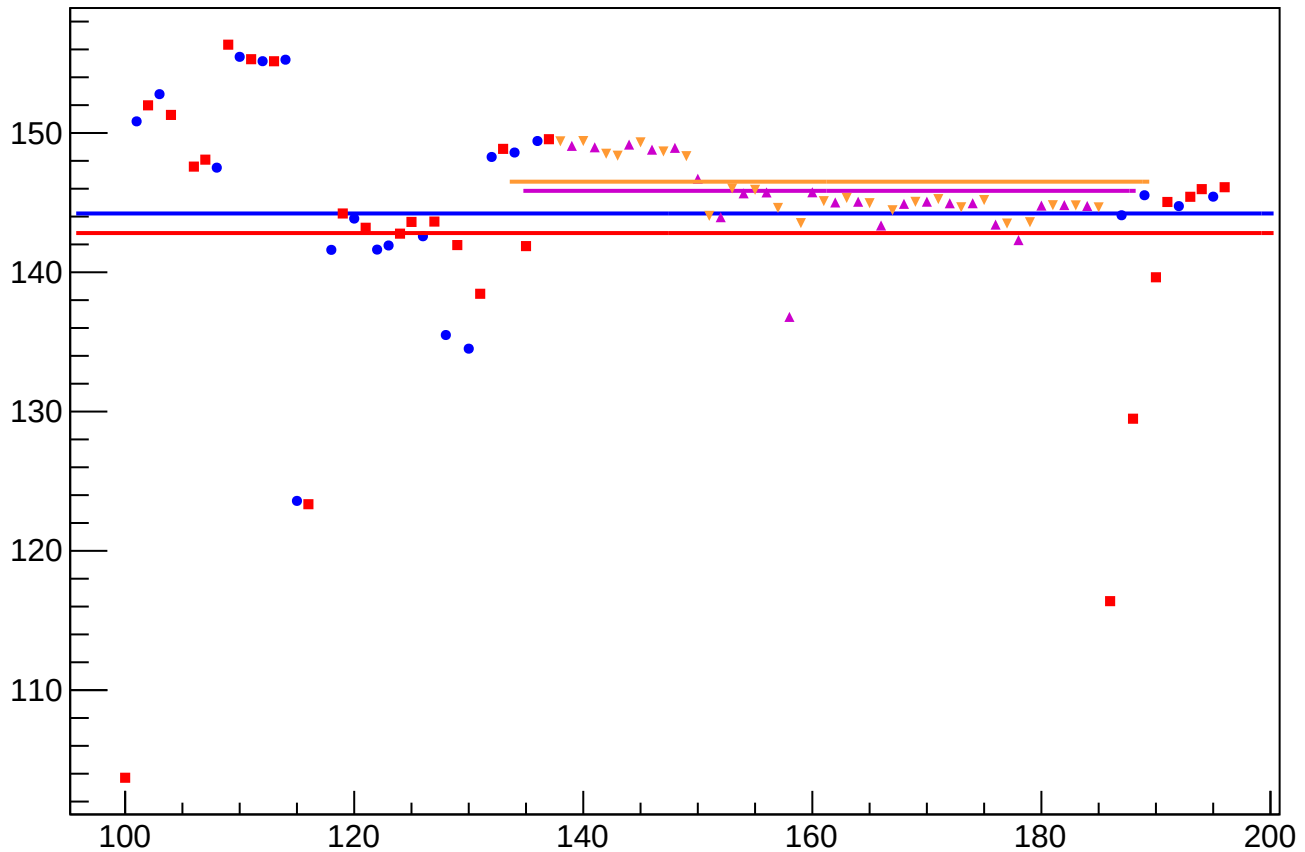
Left In: 0.449 ± 0.000 χ^2/NDF : 1132620.8/22

+ sign 0.405 ± 0.000 χ^2/NDF : 3704322.1/45

All: 0.406 ± 0.000 χ^2/NDF : 7039859.8/94

- sign 0.406 ± 0.000 χ^2/NDF : 3334986.8/48

yield_bcm_dg_ds_mean vs Slug



Right In: 144.222 $\pm$ 0.000 χ^2 /NDF: 3293705714.6/20

Left Out: 146.505 $\pm$ 0.000 χ^2 /NDF: 401688176.3/24

Right Out: 142.816 $\pm$ 0.000 χ^2 /NDF: 7005021209.1/25

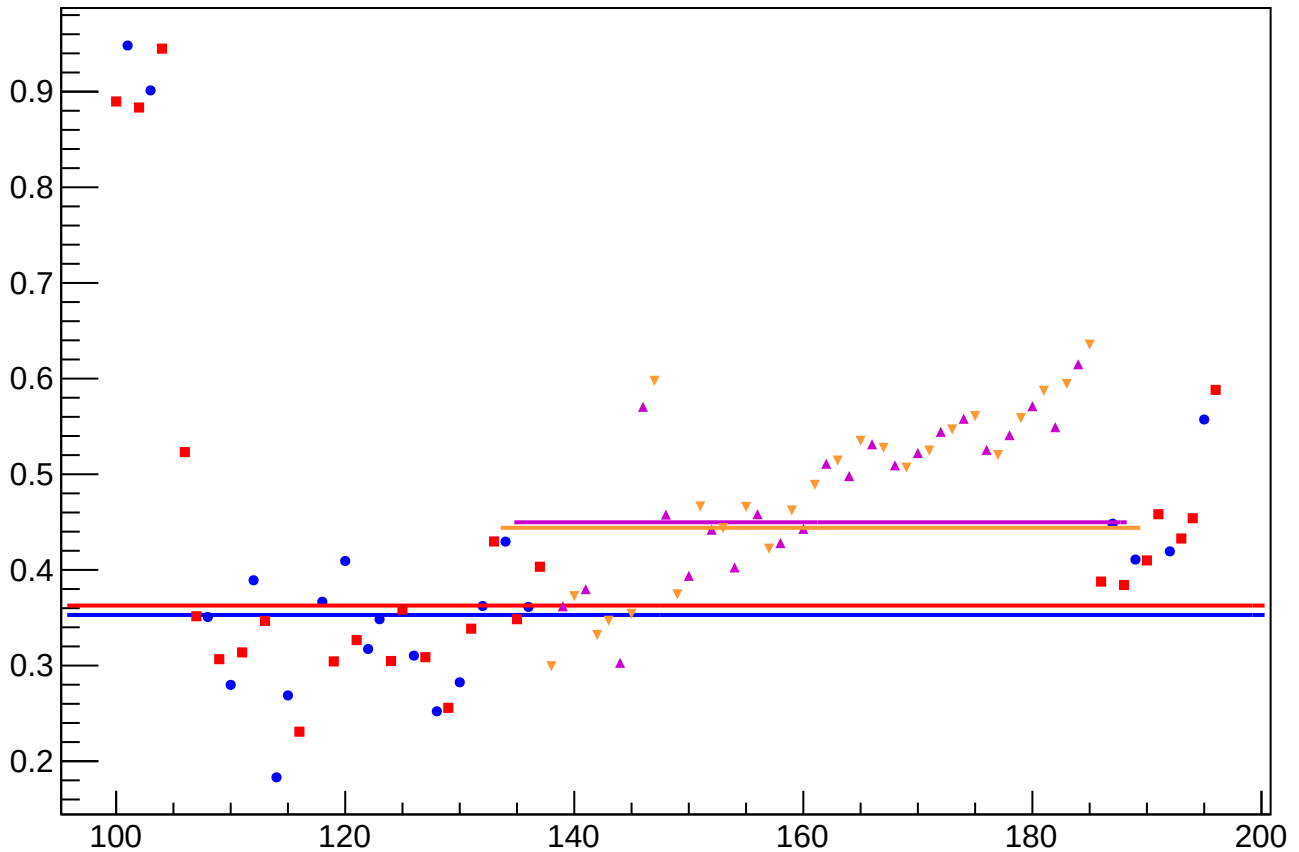
Left In: 145.847 $\pm$ 0.000 χ^2 /NDF: 694764545.6/22

+ sign 145.566 $\pm$ 0.000 χ^2 /NDF: 3881644817.7/45

All: 144.975 $\pm$ 0.000 χ^2 /NDF: 12035603568.

- sign 144.410 $\pm$ 0.000 χ^2 /NDF: 8053194779.0/48

yield_bcm_dg_ds_rms vs Slug



Right In: 0.353 ± 0.000 $\chi^2/\text{NDF}: 1618361.8/20$

Left Out: 0.444 ± 0.000 $\chi^2/\text{NDF}: 1463293.5/24$

Right Out: 0.363 ± 0.000 $\chi^2/\text{NDF}: 1605956.7/25$

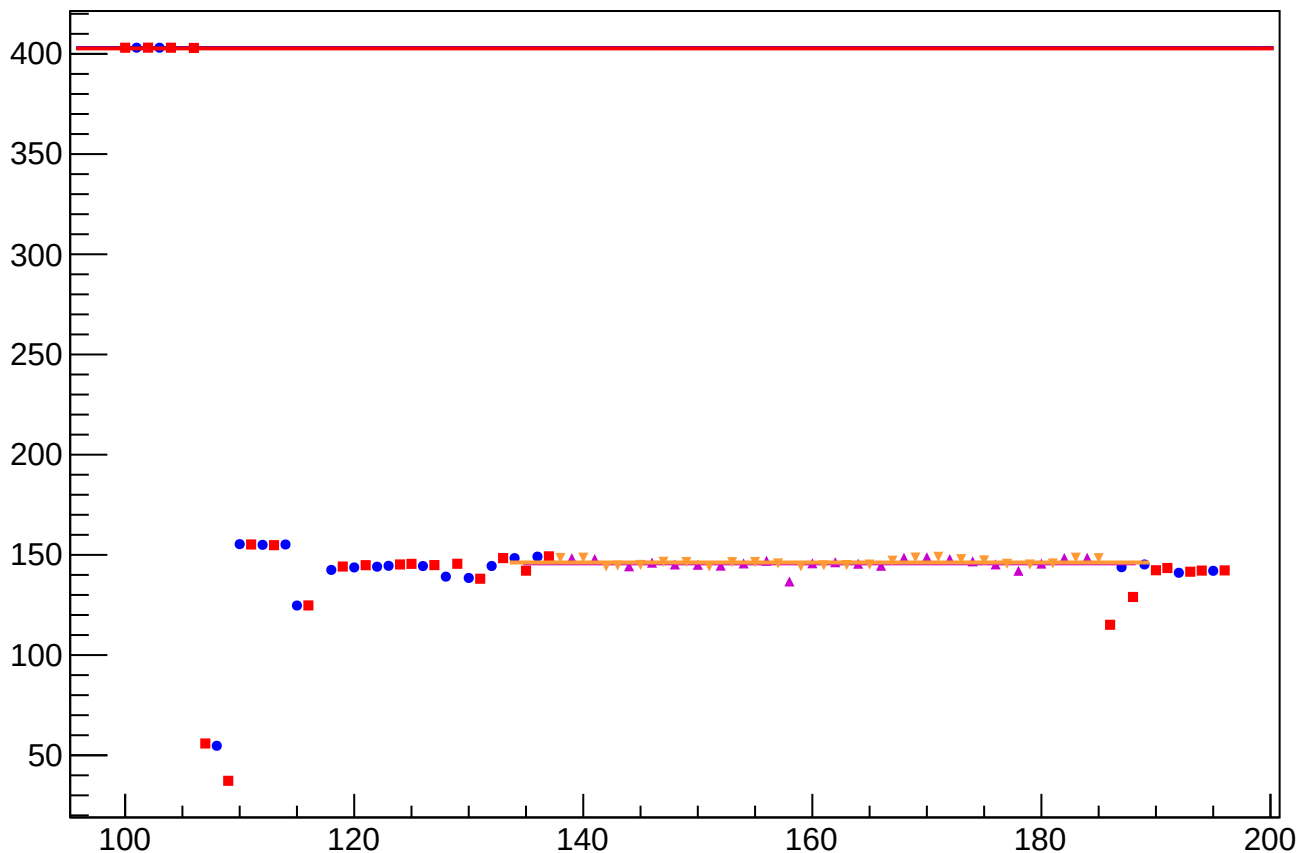
Left In: 0.450 ± 0.000 $\chi^2/\text{NDF}: 1105405.0/22$

+ sign 0.407 ± 0.000 $\chi^2/\text{NDF}: 3674713.8/45$

All: 0.408 ± 0.000 $\chi^2/\text{NDF}: 6969585.7/94$

- sign 0.409 ± 0.000 $\chi^2/\text{NDF}: 3294283.4/48$

yield_cav4bQ_mean vs Slug



Right In: 402.933+/-0.000 χ^2/NDF : 1294470761712.1/20

Left Out: 146.205+/-0.000 χ^2/NDF : 86658381.3/24

Right Out: 402.745+/-0.000 χ^2/NDF : 3610301012002.9/25

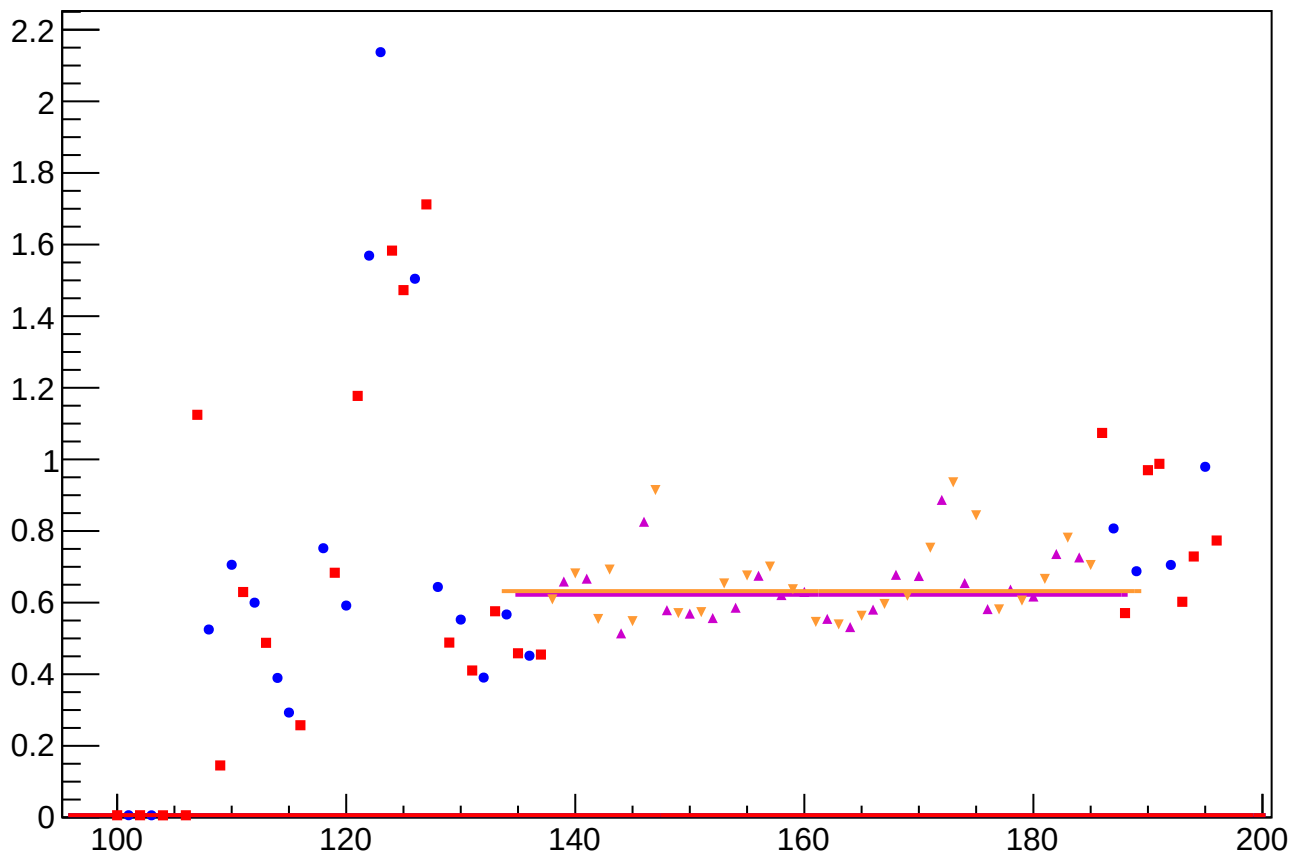
Left In: 145.773+/-0.000 χ^2/NDF : 207332354.9/22

+ sign 402.636+/-0.000 χ^2/NDF : 3666010829081.8

All: 402.556+/-0.000 χ^2/NDF : 962314359785

- sign 402.486+/-0.000 χ^2/NDF : 5956756985851.3/25

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 12597261.6/20

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 15968605.8/25

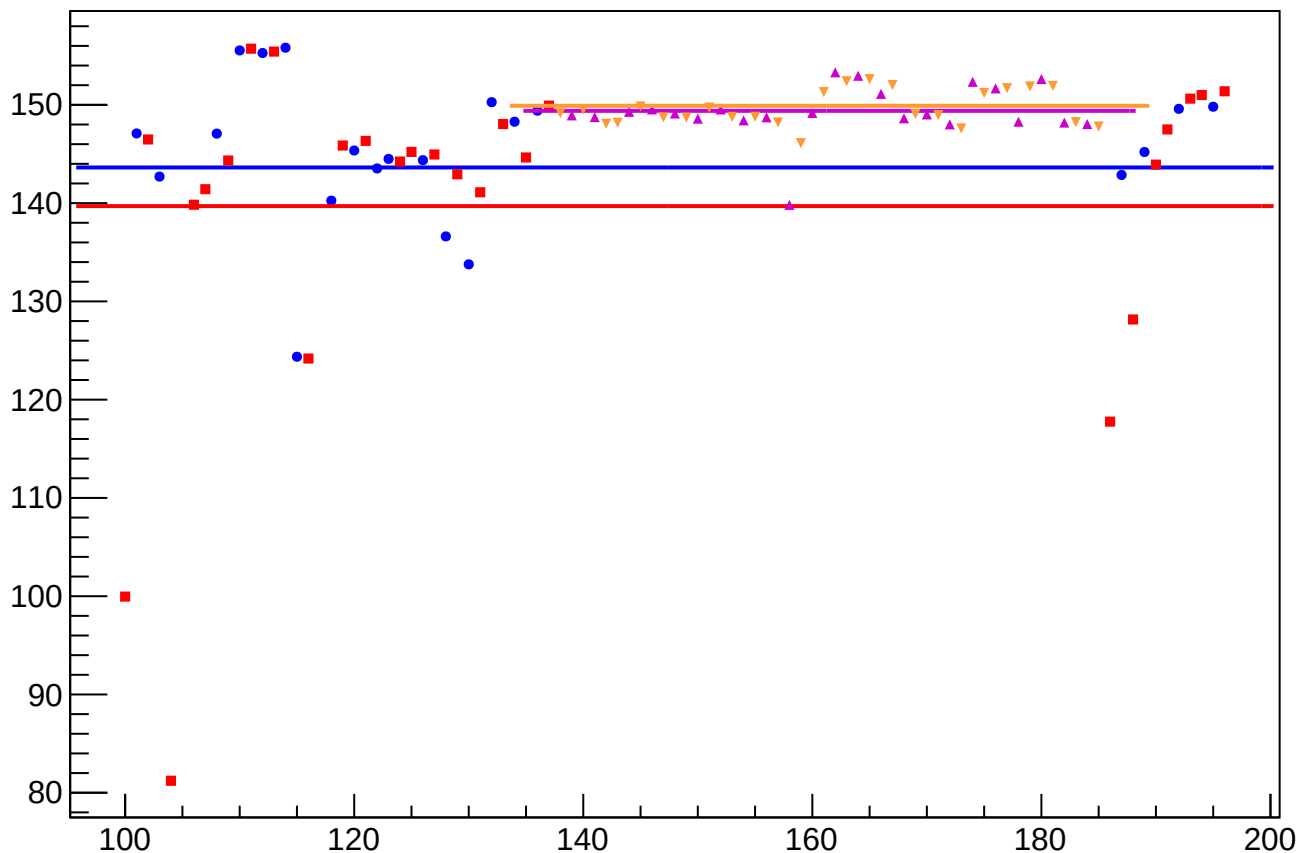
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 41384443.9/45

All: 0.007+/-0.000 χ^2/NDF : 84676248.9/94

- sign 0.007+/-0.000 χ^2/NDF : 43291728.8/48

yield_cav4cQ_mean vs Slug



Right In: 143.630 $\pm$ 0.000 χ^2 /NDF: 1134046361.2/20

Left Out: 149.906 $\pm$ 0.000 χ^2 /NDF: 163261802.4/24

Right Out: 139.697 $\pm$ 0.000 χ^2 /NDF: 2920287817.3/25

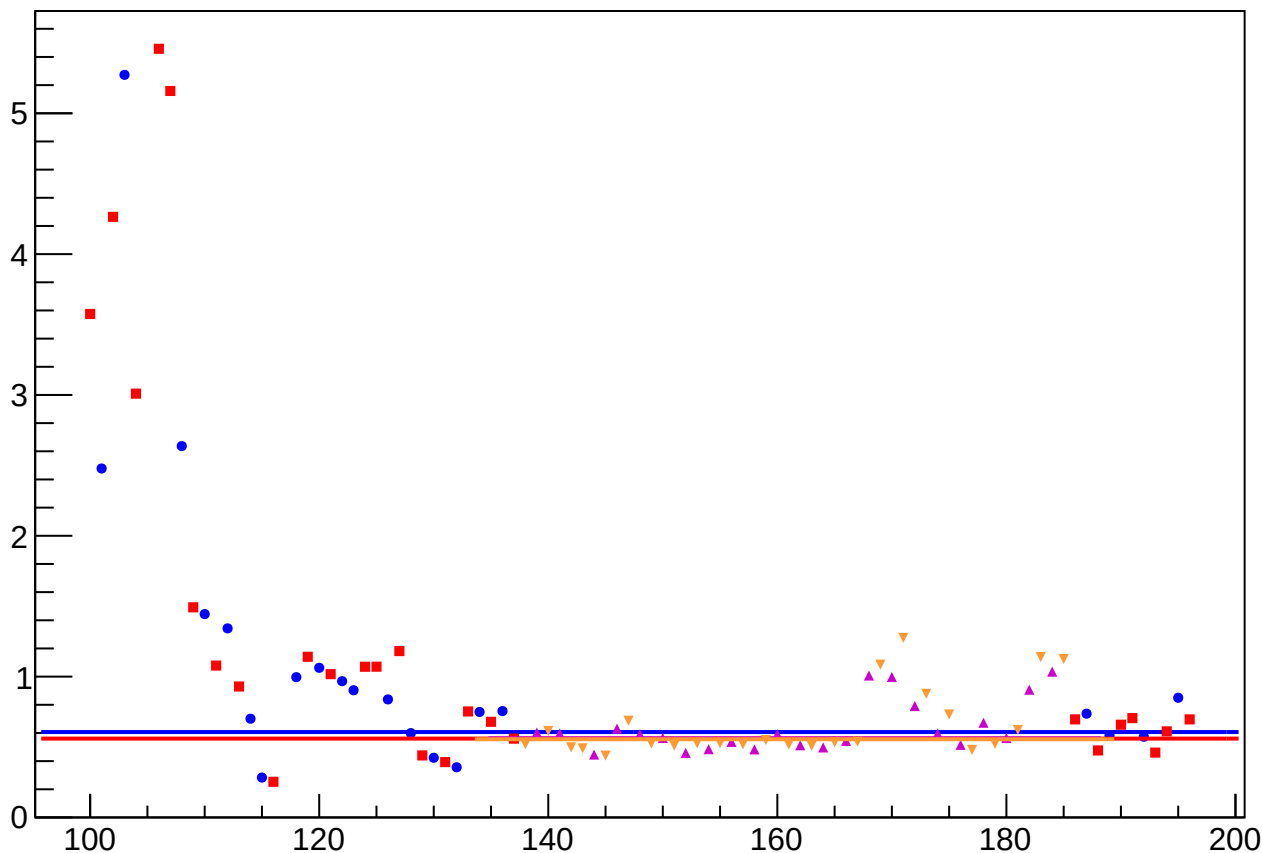
Left In: 149.391 $\pm$ 0.000 χ^2 /NDF: 437129920.4/22

+ sign 148.519 $\pm$ 0.000 χ^2 /NDF: 1740586900.8/45

All: 147.415 $\pm$ 0.000 χ^2 /NDF: 6646663791.1

- sign 146.370 $\pm$ 0.000 χ^2 /NDF: 4750909395.7/48

yield_cav4cQ_rms vs Slug



Right In: 0.607 ± 0.000 χ^2/NDF : 3612949.1/20

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.560 ± 0.000 χ^2/NDF : 4866011.9/25

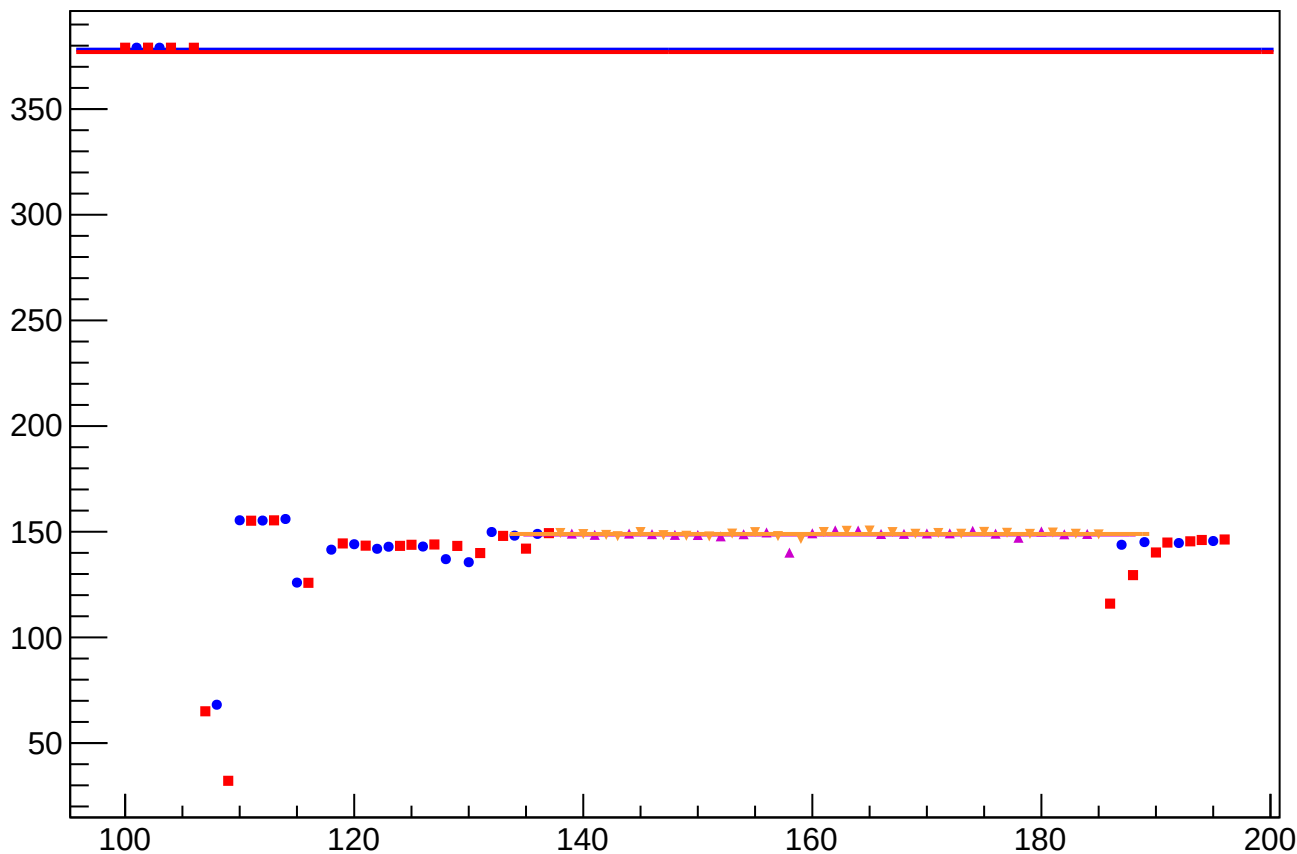
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.567 ± 0.000 χ^2/NDF : 5445183.6/45

All: 0.564 ± 0.000 χ^2/NDF : 11624262.9/94

- sign 0.561 ± 0.000 χ^2/NDF : 6177213.3/48

yield_cav4dQ_mean vs Slug



Right In: 378.109+/-0.000 χ^2/NDF : 3046878246386.6/20

Left Out: 148.946+/-0.000 χ^2/NDF : 63974844.7/24

Right Out: 376.978+/-0.000 χ^2/NDF : 9408286848603.2/25

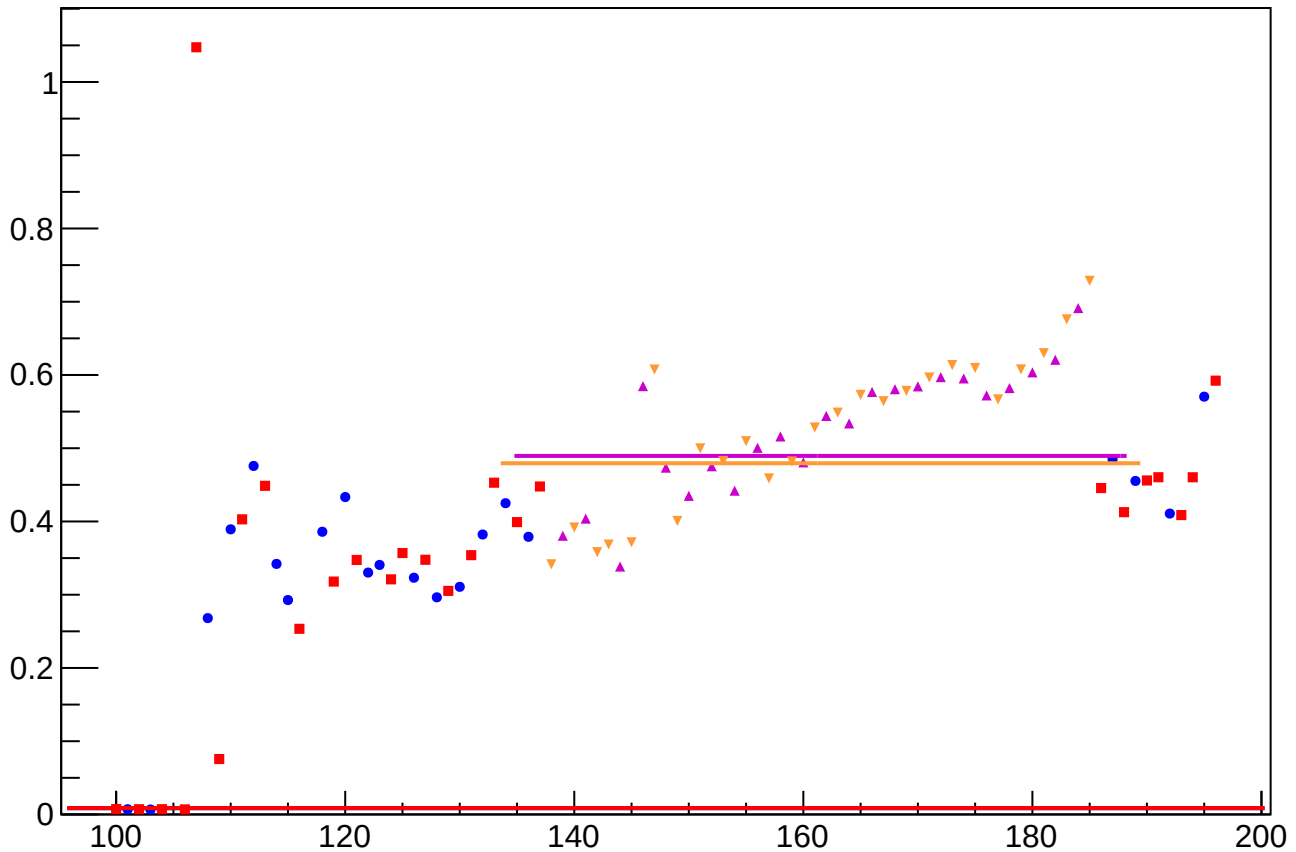
Left In: 148.683+/-0.000 χ^2/NDF : 253848207.3/22

+ sign 376.829+/-0.000 χ^2/NDF : 6956301646356.2

All: 376.360+/-0.000 χ^2/NDF : 199456148770

- sign 375.948+/-0.000 χ^2/NDF : 12983777419448.6

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 14117998.7/20

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1518765.9/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 17248358.9/25

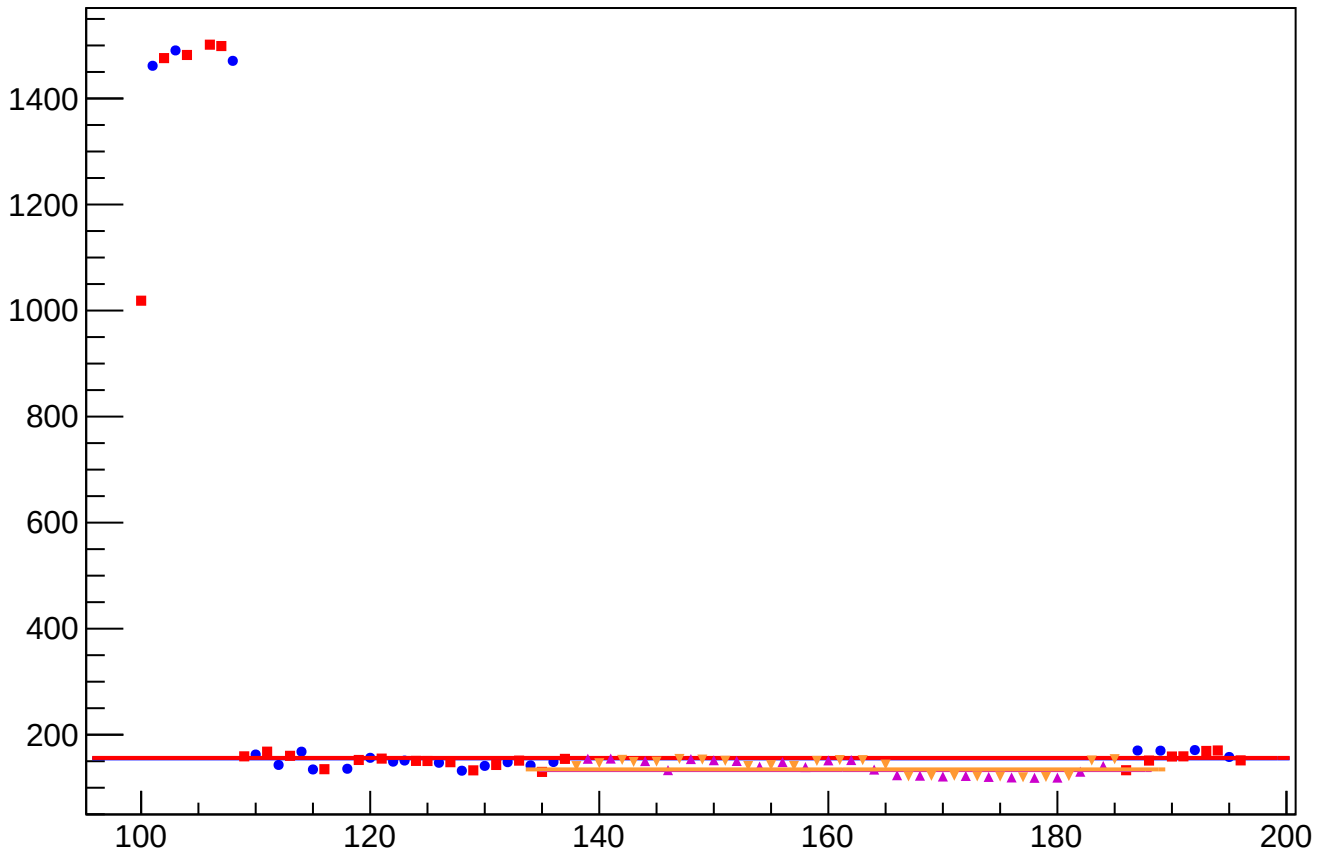
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 48668727.2/45

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 98723855.9/94

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 50054481.7/48

yield_bcm0l02_mean vs Slug



Right In: 155.362 $\pm$ 0.000 χ^2 /NDF: 25382769026.4/20

Left Out: 134.585 $\pm$ 0.000 χ^2 /NDF: 4387324151.1/24

Right Out: 156.239 $\pm$ 0.000 χ^2 /NDF: 34646312537.6/25

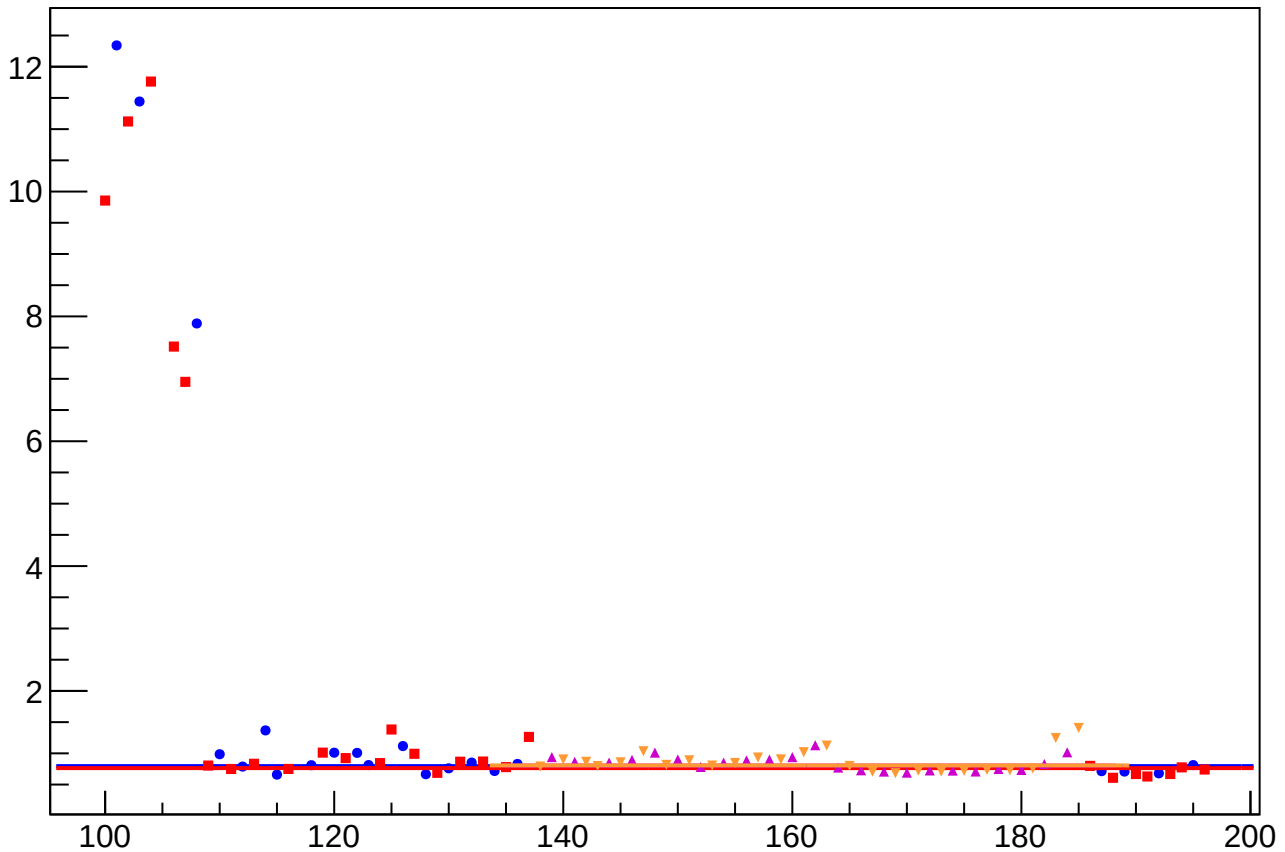
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 140.337 $\pm$ 0.000 χ^2 /NDF: 32607377983.8/45

All: 141.011 $\pm$ 0.000 χ^2 /NDF: 76011091860.0/48

- sign 141.625 $\pm$ 0.000 χ^2 /NDF: 43375201986.0/48

yield_bcm0l02_rms vs Slug



Right In: 0.795 ± 0.000 χ^2/NDF : 2757673.4/20

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.763 ± 0.000 χ^2/NDF : 3124626.4/25

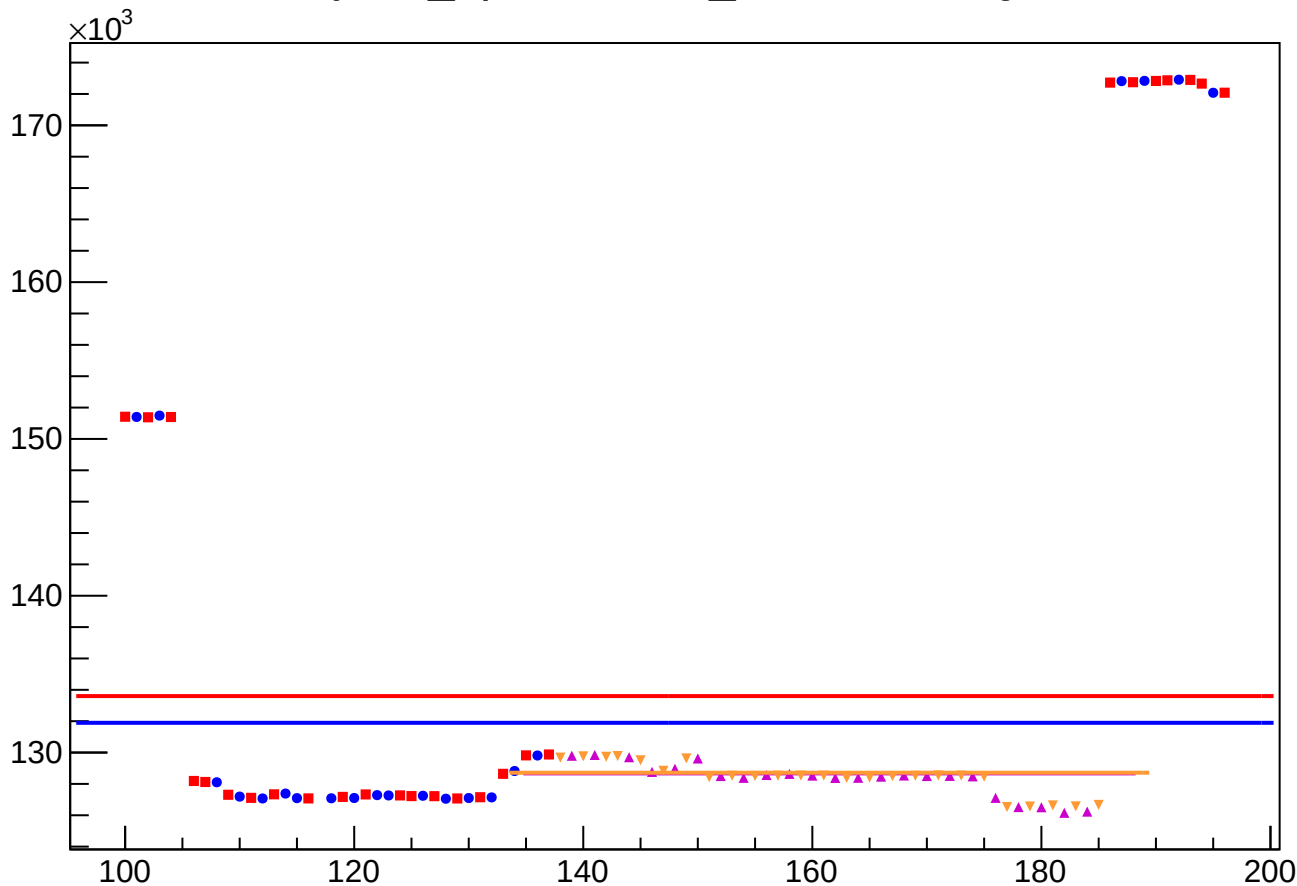
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.803 ± 0.000 χ^2/NDF : 3463581.3/45

All: 0.796 ± 0.000 χ^2/NDF : 7102644.4/94

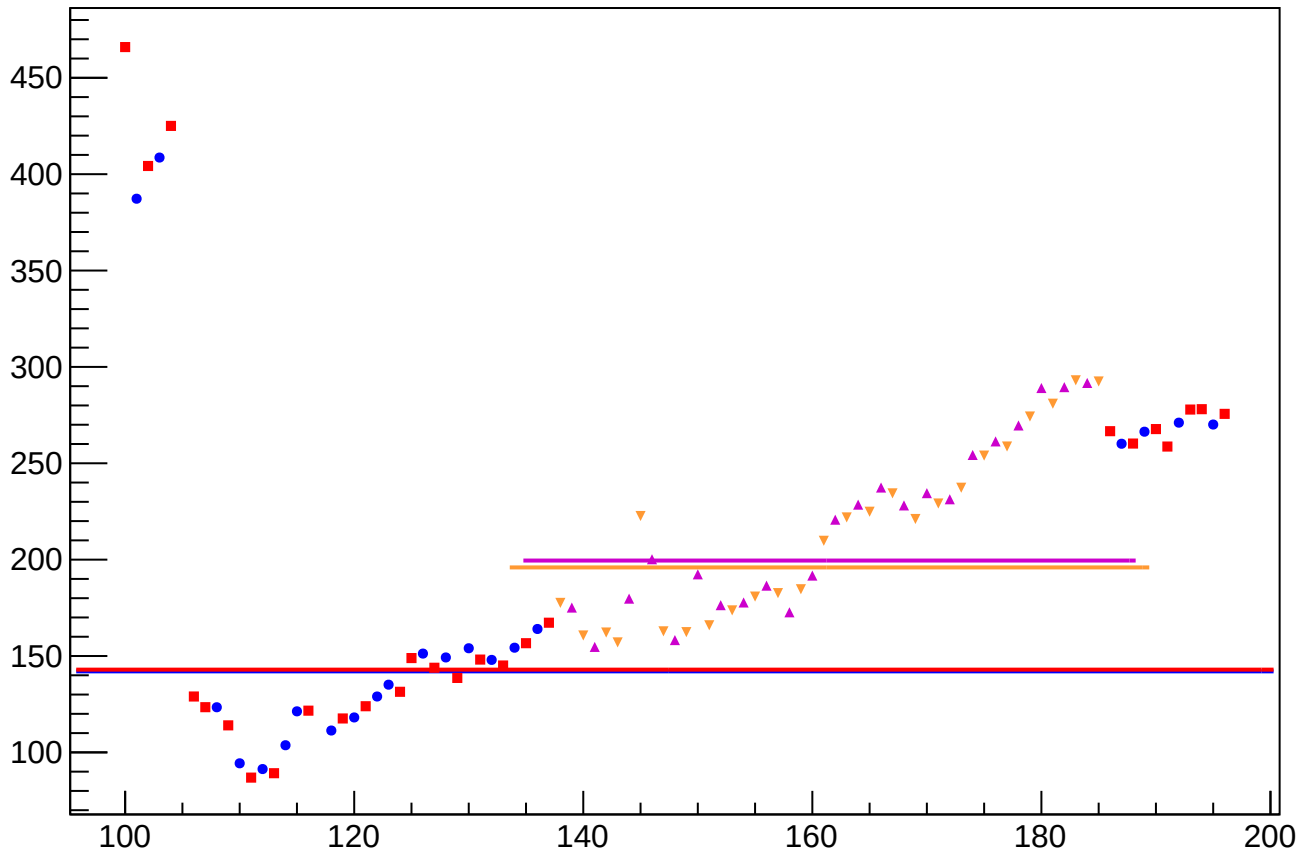
- sign 0.790 ± 0.000 χ^2/NDF : 3632454.4/48

yield_bpm2i01WS_mean vs Slug



Right In: 131896.404+/-0.052	χ^2/NDF : 62112289591.4/20	+ sign 130126.823+/-0.035	χ^2/NDF : 64526922608.
Left Out: 128713.791+/-0.047	χ^2/NDF : 348293942.5/24	All: 130690.460+/-0.024	χ^2/NDF : 174374780
Right Out: 133600.728+/-0.047	χ^2/NDF : 103717642471.0/25	- sign 131225.534+/-0.034	χ^2/NDF : 109336109738
Left In: 128670.094+/-0.049	χ^2/NDF : 334875494.0/22		

yield_bpm2i01WS_rms vs Slug



Right In: 142.037 $\pm$ 0.037 χ^2 /NDF: 2610838.4/20

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 142.928 $\pm$ 0.033 χ^2 /NDF: 3660460.7/25

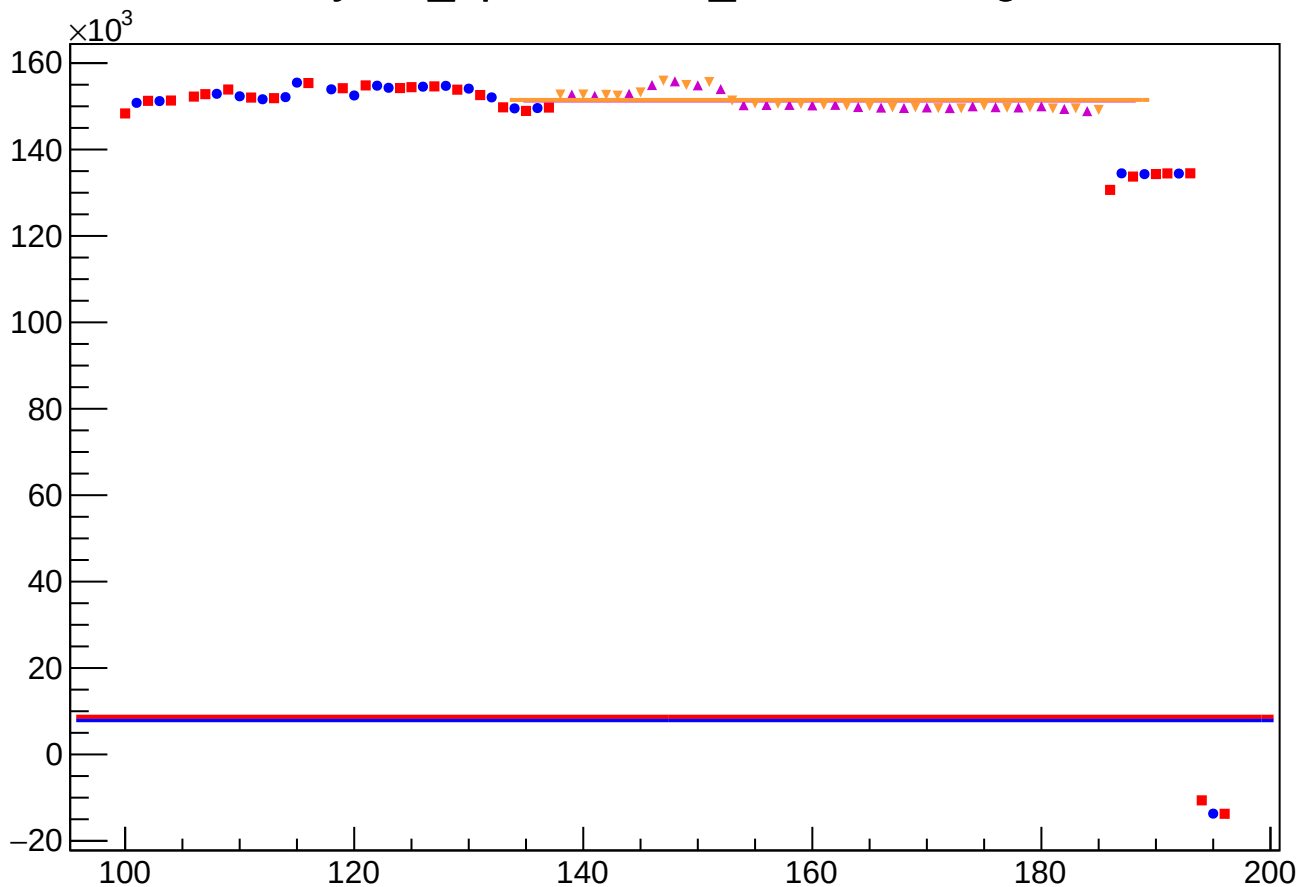
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 172.021 $\pm$ 0.025 χ^2 /NDF: 5113448.5/45

All: 171.084 $\pm$ 0.017 χ^2 /NDF: 11344695.7/94

- sign 170.195 $\pm$ 0.024 χ^2 /NDF: 6228420.1/48

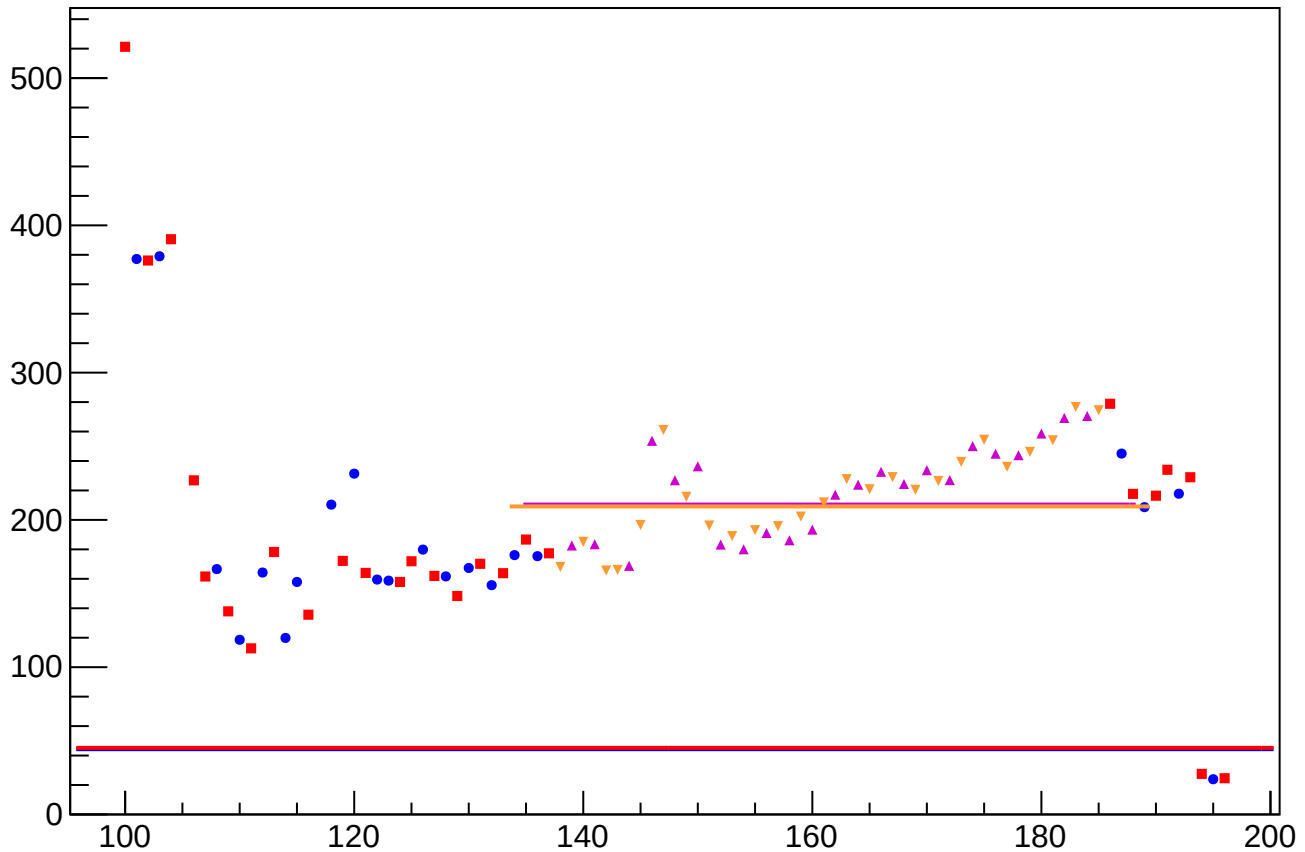
yield_bpm0i07WS_mean vs Slug



Right In: 7921.780 ± 0.024 $\chi^2/\text{NDF}: 5181002645581.6/20$
 Left Out: 151480.339 ± 0.049 $\chi^2/\text{NDF}: 1483692735.3/24$
 Right Out: 8736.579 ± 0.022 $\chi^2/\text{NDF}: 6343896202639.8/25$
 Left In: 151362.440 ± 0.051 $\chi^2/\text{NDF}: 1426782789.9/22$

All: 33171.144 ± 0.015 $\chi^2/\text{NDF}: 2488721703$
 + sign 35960.734 ± 0.022 $\chi^2/\text{NDF}: 1195839600150$
 - sign 30802.253 ± 0.020 $\chi^2/\text{NDF}: 1289871786049$

yield_bpm0i07WS_rms vs Slug



Right In: 44.325+/-0.017 χ^2/NDF : 10266193.0/20

Left Out: 209.156+/-0.035 χ^2/NDF : 710094.9/24

Right Out: 45.239+/-0.015 χ^2/NDF : 12054465.1/25

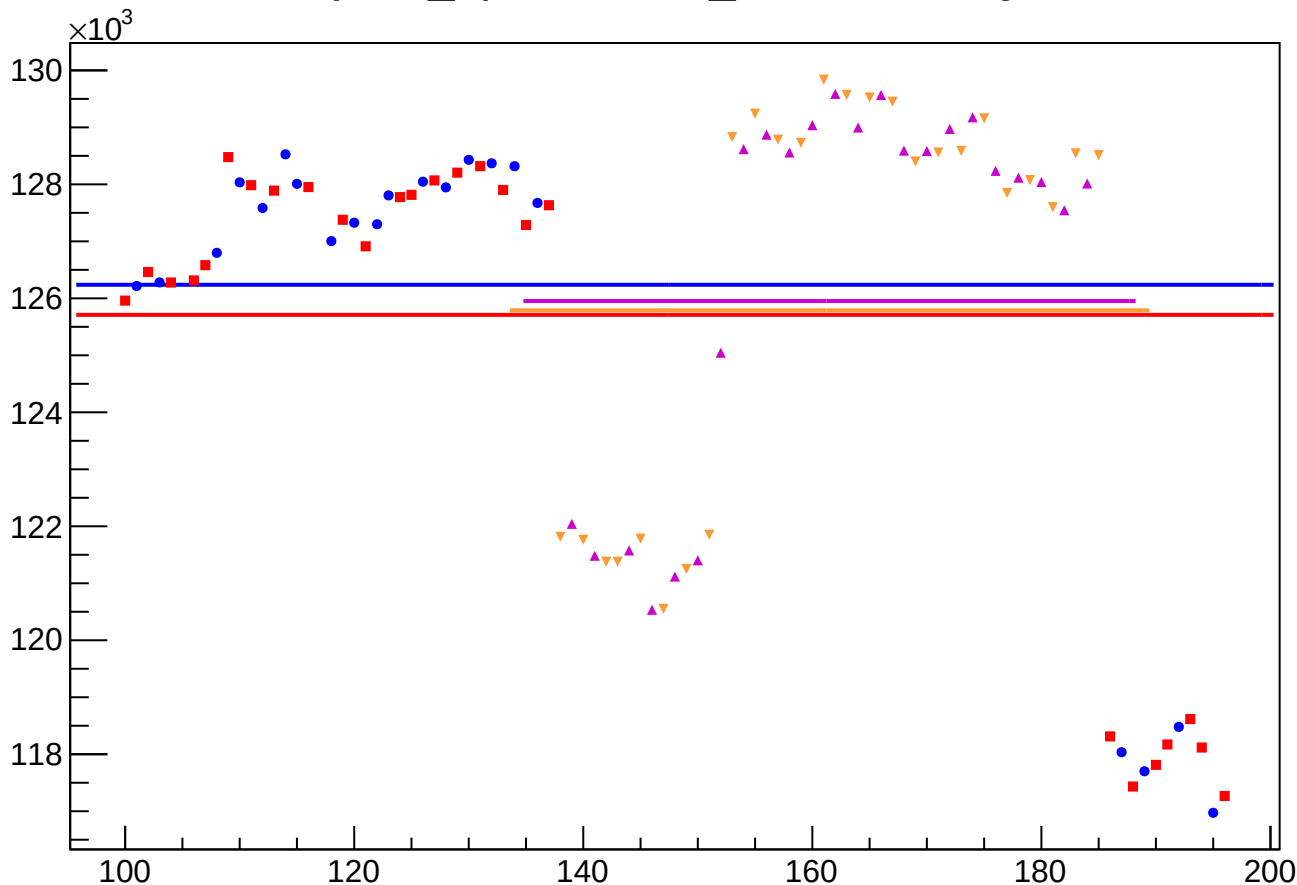
Left In: 210.431+/-0.036 χ^2/NDF : 684015.0/22

+ sign 76.519+/-0.015 χ^2/NDF : 28841802.8/45

All: 73.424+/-0.010 χ^2/NDF : 59236730.1/94

- sign 70.796+/-0.014 χ^2/NDF : 30320823.3/48

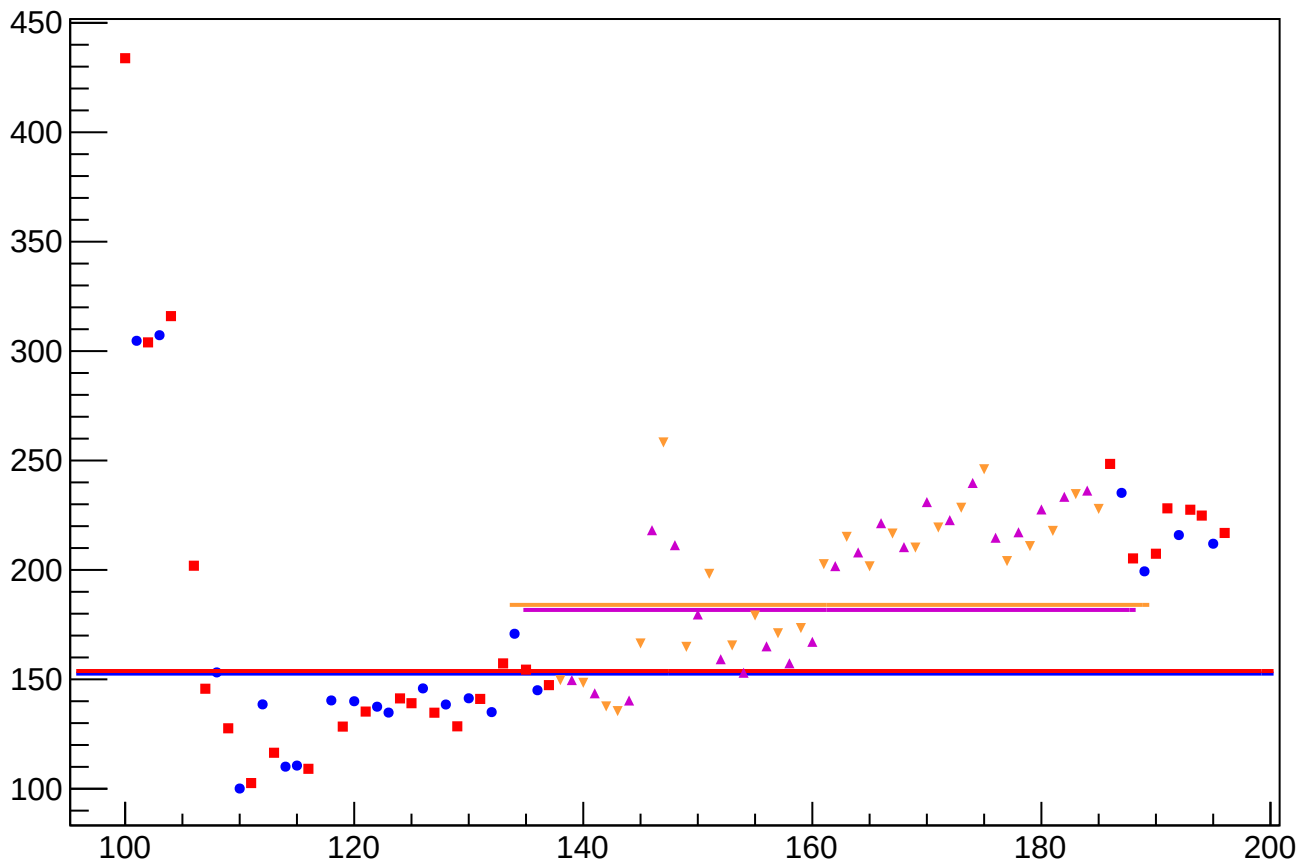
yield_bpm0l01WS_mean vs Slug



Right In: 126238.002 ± 0.054 $\chi^2/\text{NDF}: 4433473121.1/20$
 Left Out: 125790.126 ± 0.044 $\chi^2/\text{NDF}: 6744310079.8/24$
 Right Out: 125710.249 ± 0.049 $\chi^2/\text{NDF}: 6810374488.7/25$
 Left In: 125952.447 ± 0.045 $\chi^2/\text{NDF}: 5841800367.5/22$

All: 125903.148 ± 0.024 $\chi^2/\text{NDF}: 238920930$
 + sign 125969.027 ± 0.034 $\chi^2/\text{NDF}: 11219243611.$
 - sign 125841.697 ± 0.033 $\chi^2/\text{NDF}: 12665621839.5$

yield_bpm0l01WS_rms vs Slug



Right In: 152.621 $\pm$ 0.038 χ^2 /NDF: 1265718.8/20

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF: 1126592.5/24

Right Out: 153.805 $\pm$ 0.034 χ^2 /NDF: 1912249.2/25

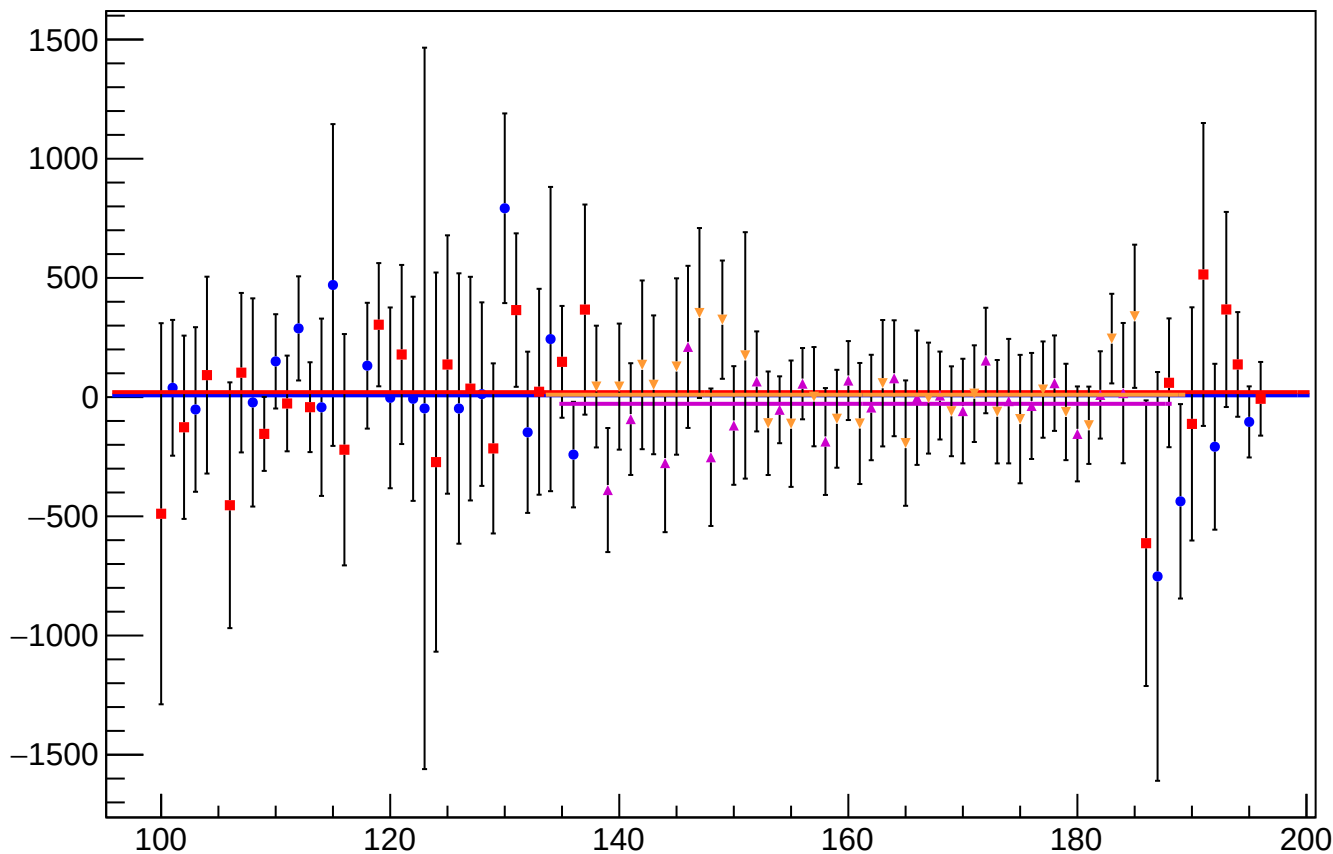
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 171.483 $\pm$ 0.024 χ^2 /NDF: 2800104.2/45

All: 170.174 $\pm$ 0.017 χ^2 /NDF: 6191322.0/94

- sign 168.952 $\pm$ 0.023 χ^2 /NDF: 3385504.5/48

asym_bcm_an_ds_mean vs Slug



Right In: 7.504 $\pm$ 67.806 χ^2/NDF : 11.4/20

Left Out: 10.078 $\pm$ 47.488 χ^2/NDF : 8.5/24

Right Out: 20.878 $\pm$ 58.204 χ^2/NDF : 10.1/25

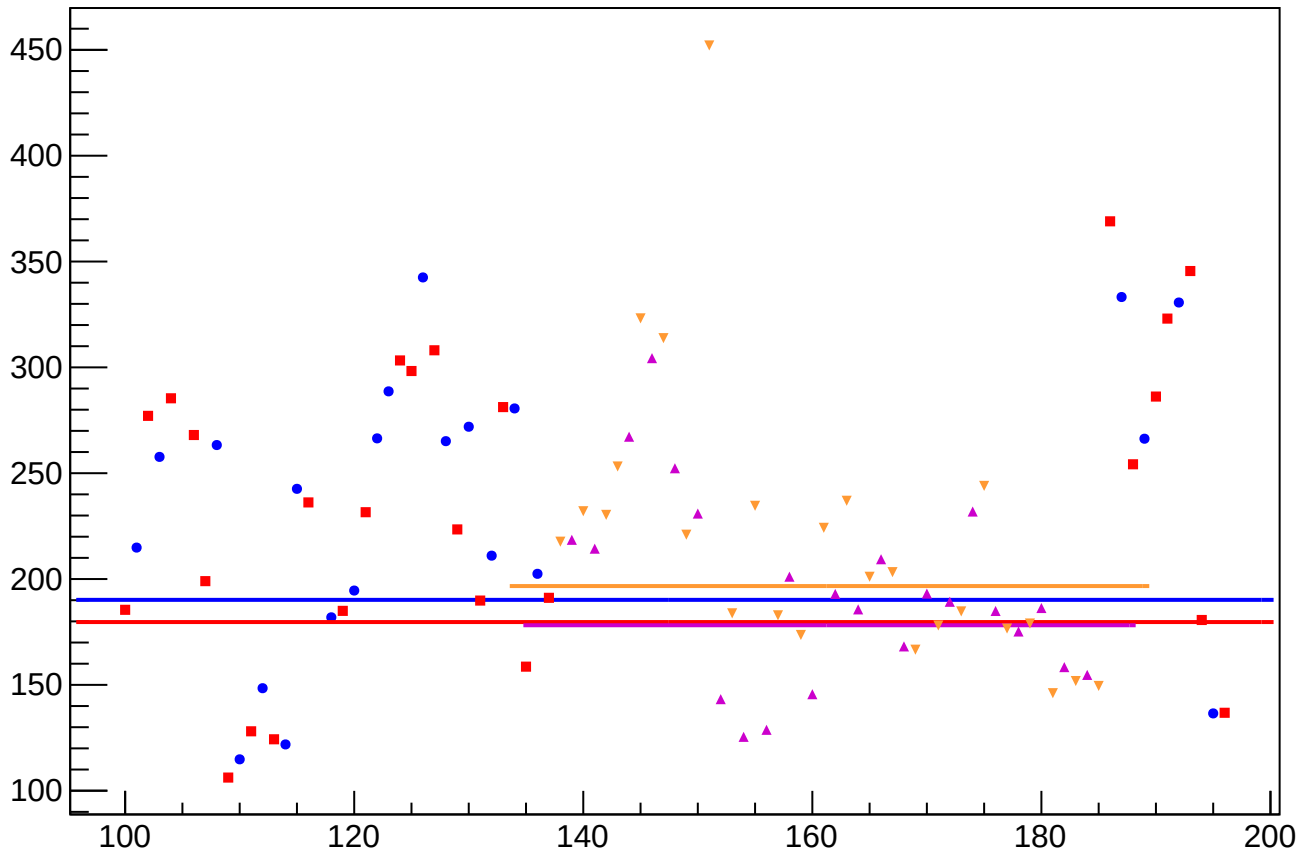
Left In: -28.050 $\pm$ 44.573 χ^2/NDF : 7.0/22

+ sign 9.231 $\pm$ 38.897 χ^2/NDF : 19.8/45

All: -1.271 $\pm$ 26.176 χ^2/NDF : 37.4/94

- sign -9.963 $\pm$ 35.388 χ^2/NDF : 17.5/48

asym_bcm_an_ds_rms vs Slug



Right In: 190.165 ± 0.048 $\chi^2/\text{NDF}: 1733631.6/20$

Left Out: 196.682 ± 0.034 $\chi^2/\text{NDF}: 1782715.7/24$

Right Out: 179.676 ± 0.041 $\chi^2/\text{NDF}: 2629777.6/25$

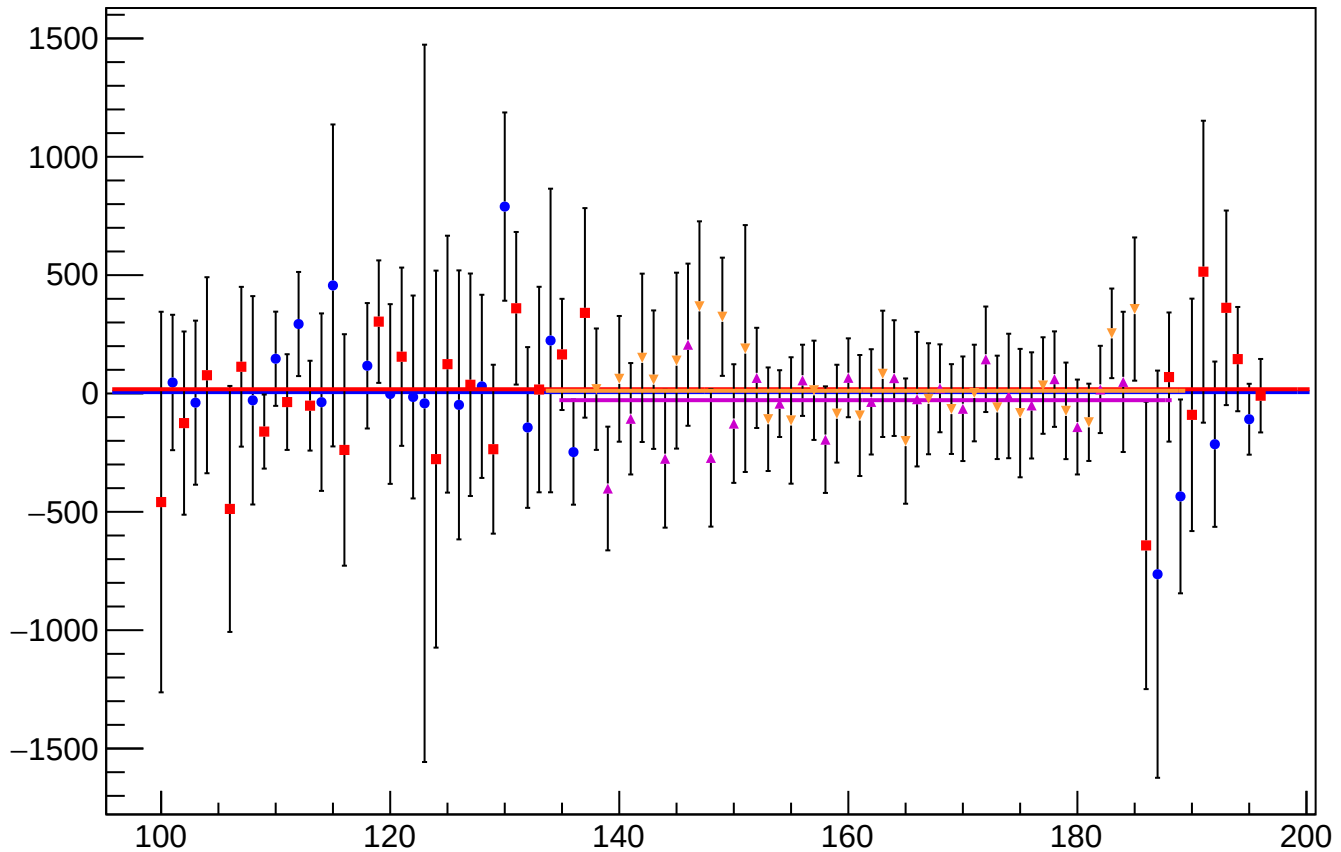
Left In: 178.166 ± 0.032 $\chi^2/\text{NDF}: 1618967.9/22$

+ sign 194.537 ± 0.028 $\chi^2/\text{NDF}: 3528743.1/45$

All: 185.885 ± 0.019 $\chi^2/\text{NDF}: 7959184.2/94$

- sign 178.724 ± 0.025 $\chi^2/\text{NDF}: 4249594.8/48$

asym_bcm_an_ds3_mean vs Slug



Right In: 5.773 ± 68.119 χ^2/NDF : 11.3/20

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 17.942 ± 58.509 χ^2/NDF : 10.3/25

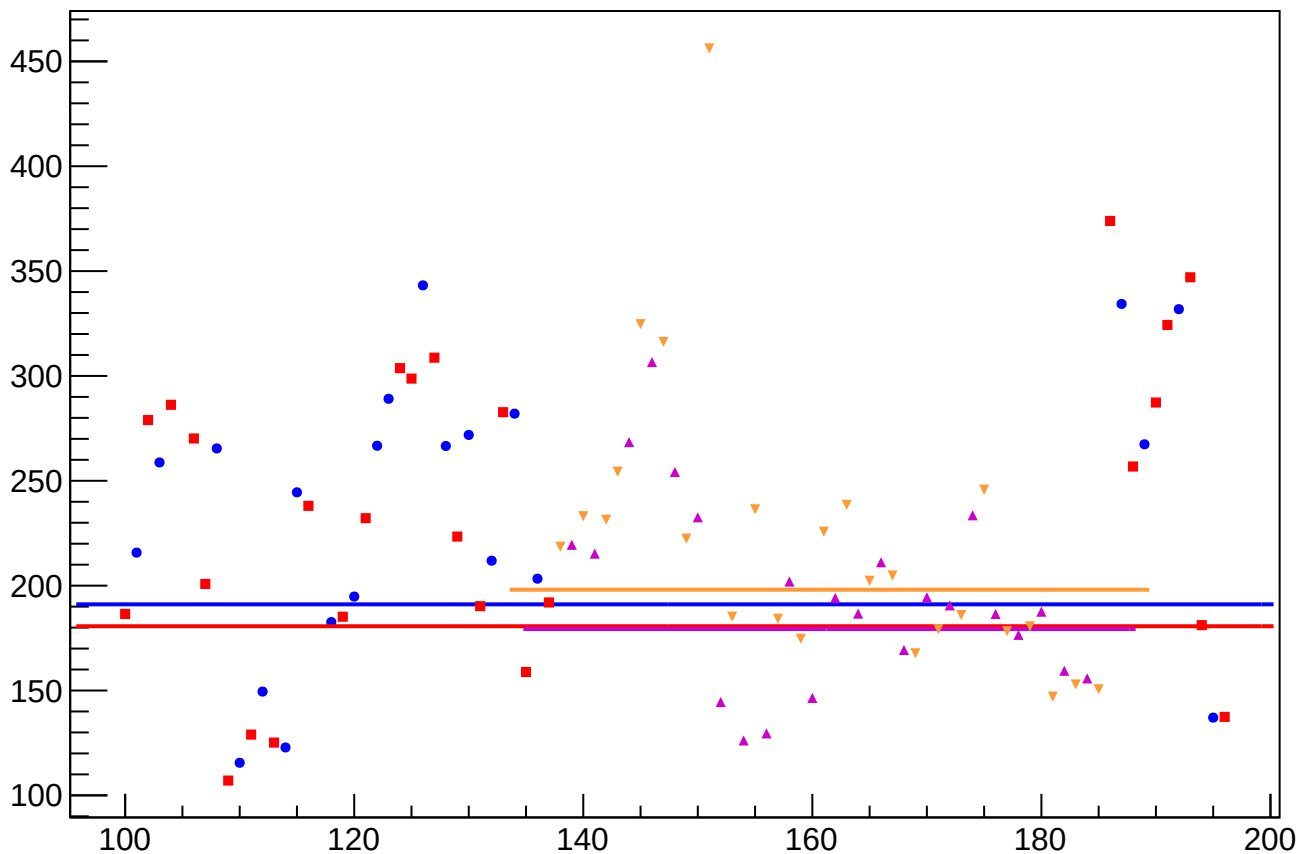
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign 9.595 ± 39.138 χ^2/NDF : 20.2/45

All: -1.766 ± 26.336 χ^2/NDF : 38.2/94

- sign -11.166 ± 35.602 χ^2/NDF : 17.8/48

asym_bcm_an_ds3_rms vs Slug



Right In: 191.090 $\pm$ 0.048 χ^2 /NDF: 1725206.3/20

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 180.646 $\pm$ 0.041 χ^2 /NDF: 2623569.8/25

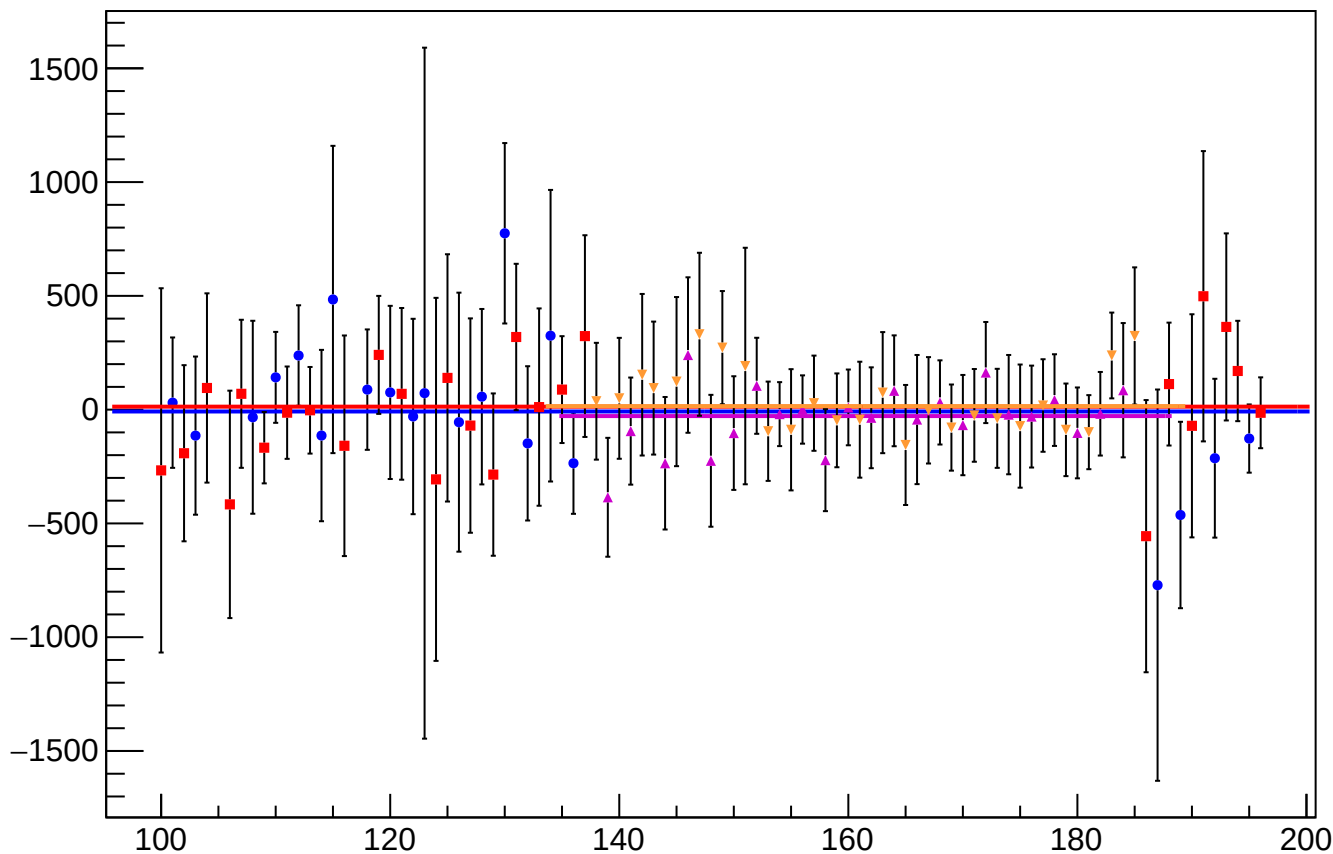
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 195.758 $\pm$ 0.028 χ^2 /NDF: 3517755.1/45

All: 187.033 $\pm$ 0.019 χ^2 /NDF: 7941884.8/94

- sign 179.813 $\pm$ 0.025 χ^2 /NDF: 4242478.8/48

asym_bcm_an_us_mean vs Slug



Right In: -8.078 ± 68.132 χ^2/NDF : 11.1/20

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 13.118 ± 58.458 χ^2/NDF : 8.8/25

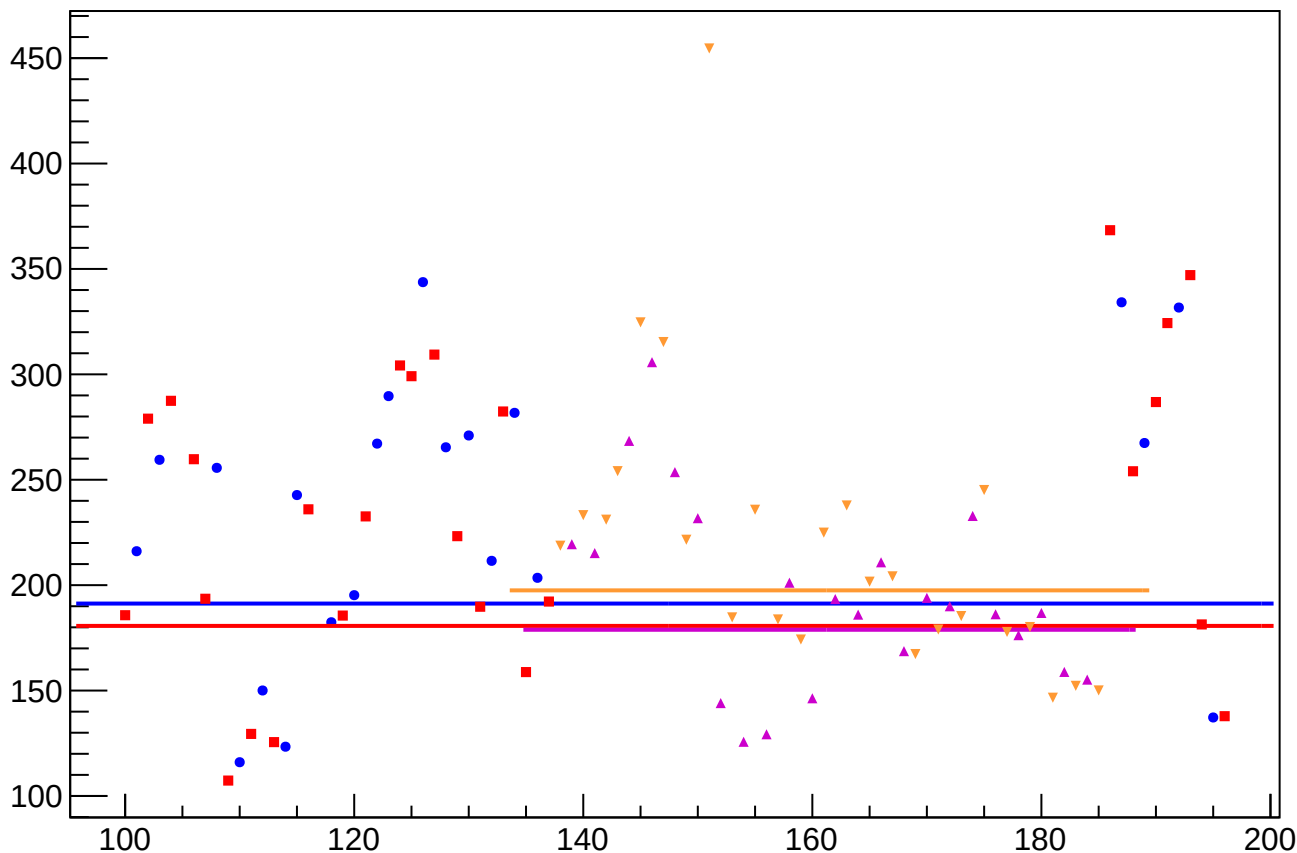
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign 7.704 ± 39.072 χ^2/NDF : 18.2/45

All: -3.620 ± 26.287 χ^2/NDF : 33.8/94

- sign -12.985 ± 35.530 χ^2/NDF : 15.5/48

asym_bcm_an_us_rms vs Slug



Right In: 191.268 $\pm$ 0.048 χ^2 /NDF: 1701008.5/20

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF: 1784225.5/24

Right Out: 180.671 $\pm$ 0.041 χ^2 /NDF: 2582354.4/25

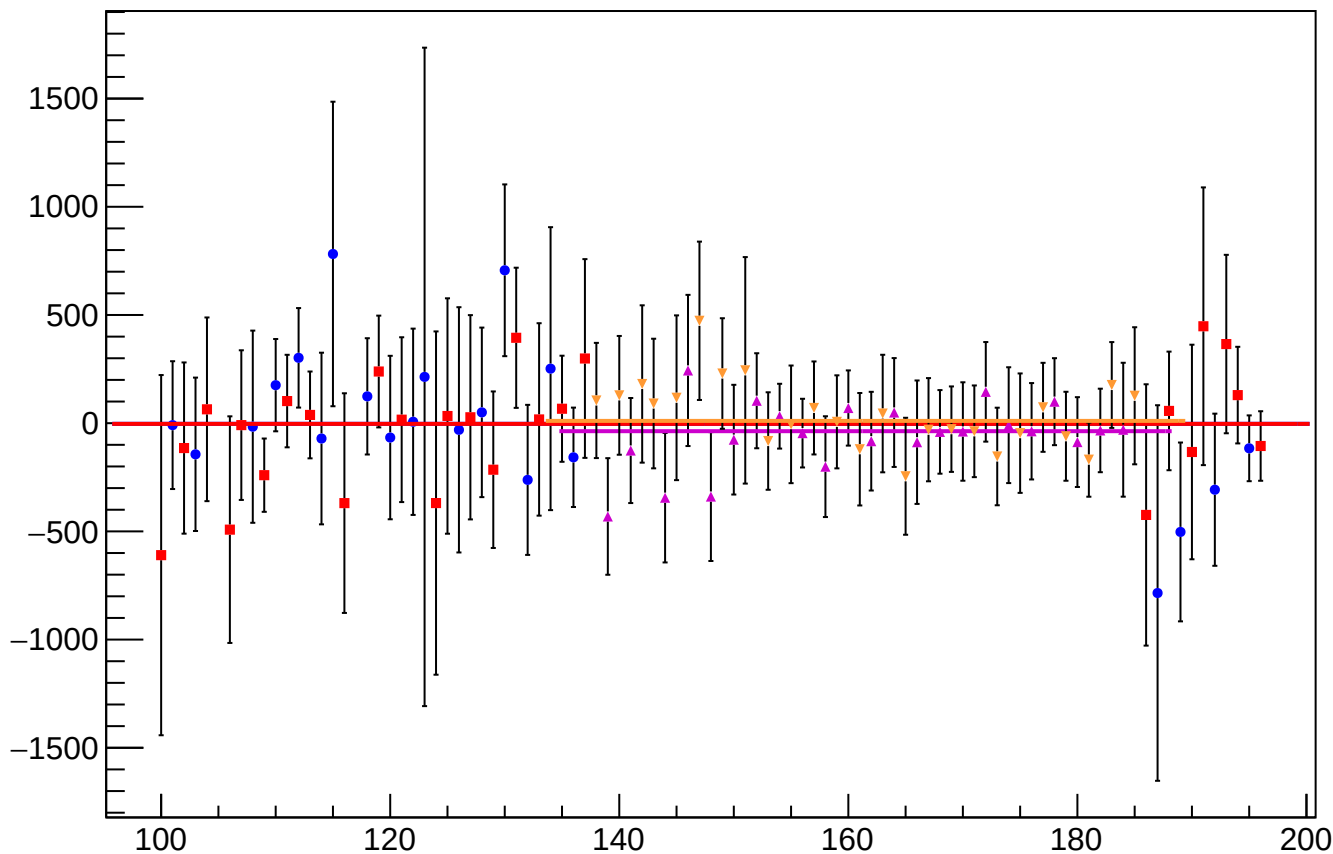
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF: 1622266.9/22

+ sign 195.469 $\pm$ 0.028 χ^2 /NDF: 3496562.0/45

All: 186.735 $\pm$ 0.019 χ^2 /NDF: 7884974.9/94

- sign 179.514 $\pm$ 0.025 χ^2 /NDF: 4205864.2/48

asym_bcm_dg_us_mean vs Slug



Right In: -2.962 ± 69.912 χ^2/NDF : 12.1/20

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: -3.212 ± 60.512 χ^2/NDF : 10.4/25

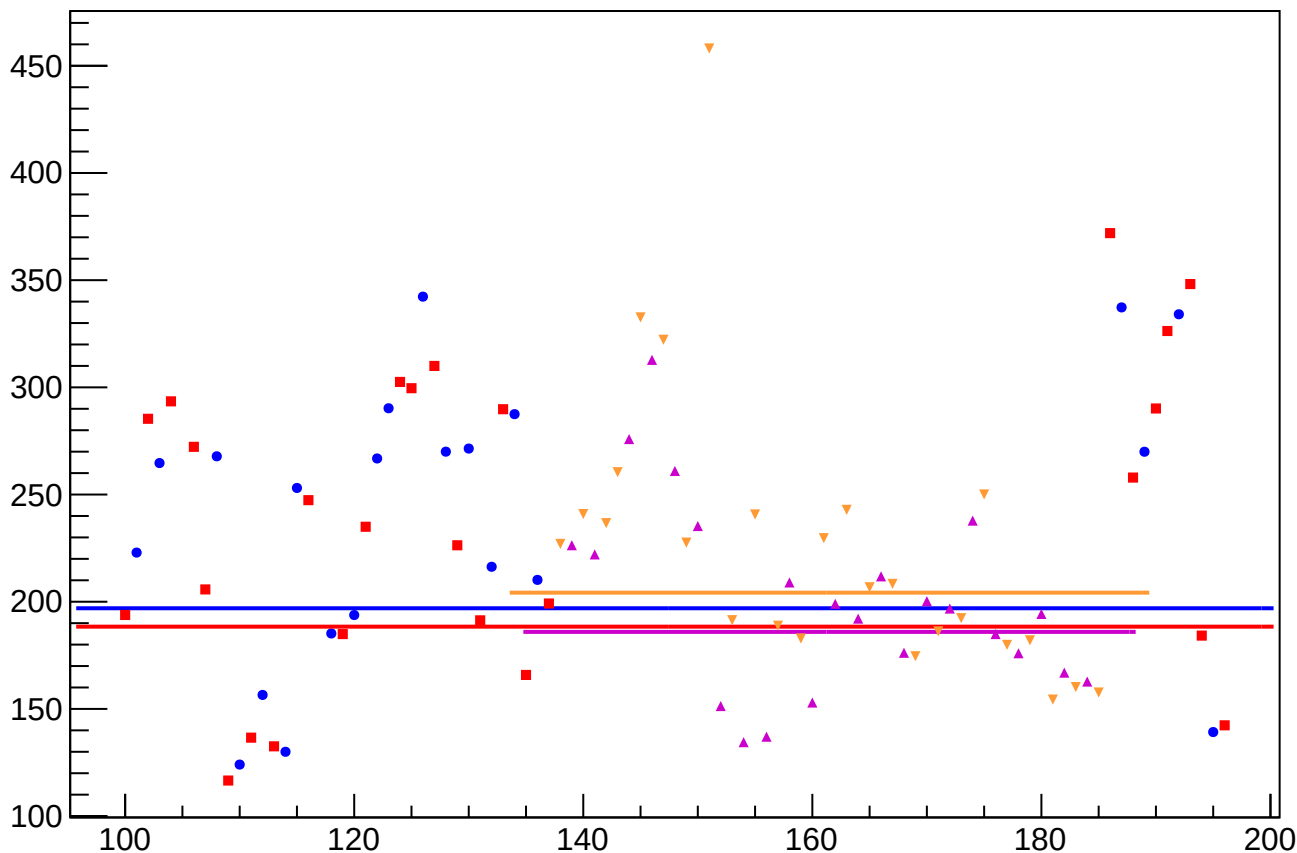
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign 6.064 ± 40.233 χ^2/NDF : 19.6/45

All: -10.579 ± 27.154 χ^2/NDF : 38.4/94

- sign -24.504 ± 36.800 χ^2/NDF : 18.5/48

asym_bcm_dg_us_rms vs Slug



Right In: 196.953 ± 0.049 χ^2/NDF : 1599532.0/20

Left Out: 204.236 ± 0.035 χ^2/NDF : 1675666.0/24

Right Out: 188.374 ± 0.043 χ^2/NDF : 2345955.3/25

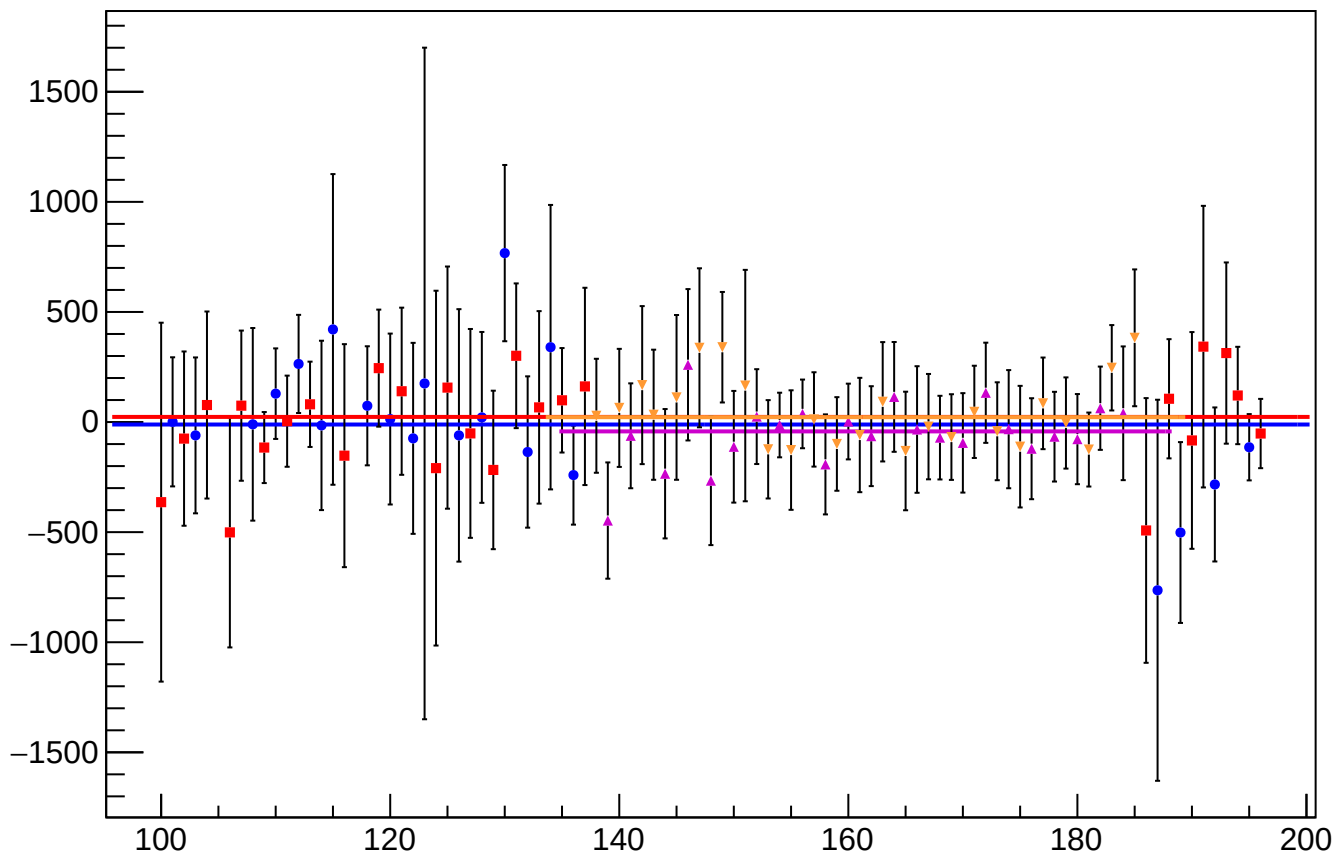
Left In: 185.931 ± 0.033 χ^2/NDF : 1460065.0/22

+ sign 201.824 ± 0.028 χ^2/NDF : 3289714.6/45

All: 193.663 ± 0.019 χ^2/NDF : 7248928.4/94

- sign 186.835 ± 0.026 χ^2/NDF : 3808074.3/48

asym_bcm_dg_ds_mean vs Slug



Right In: -11.195 ± 69.082 χ^2/NDF : 11.0/20

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 23.331 ± 59.434 χ^2/NDF : 6.7/25

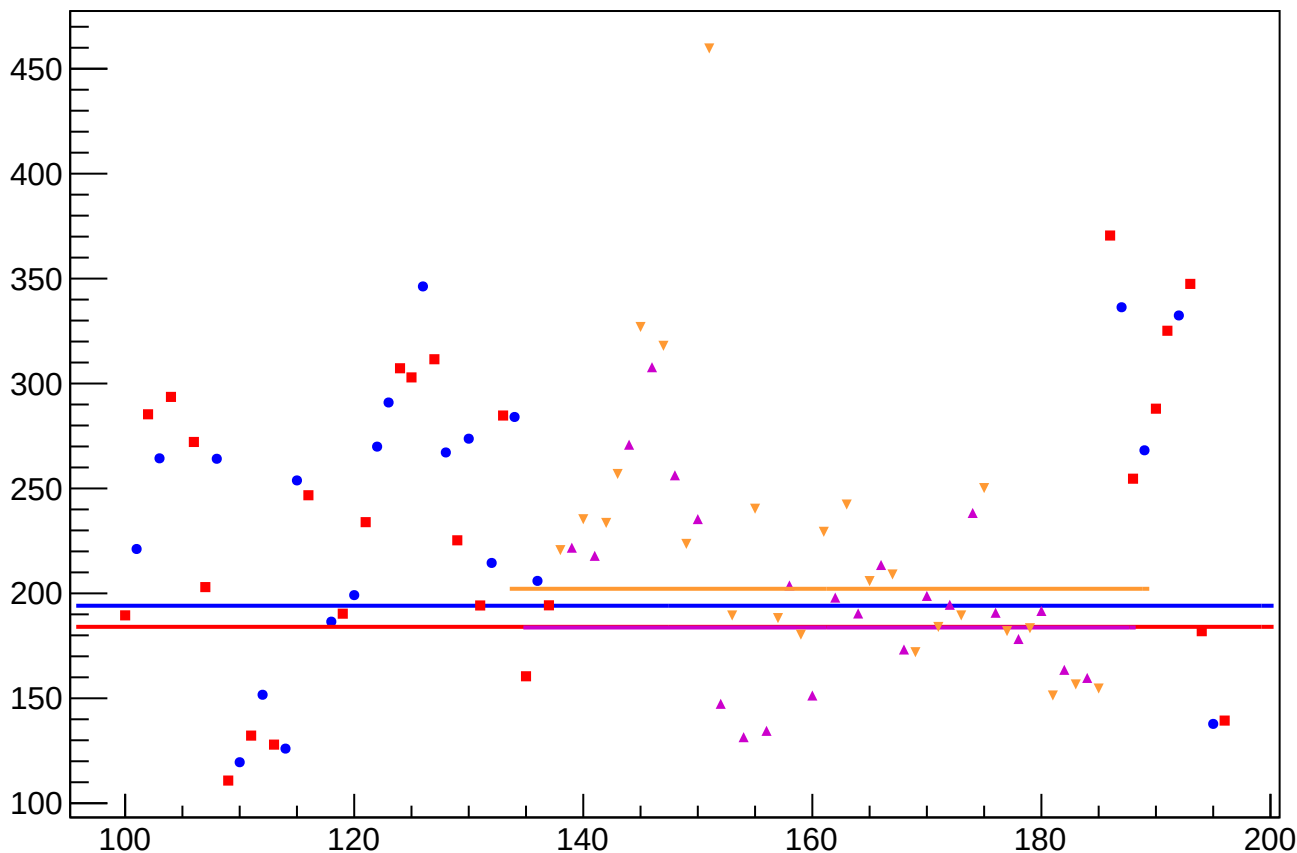
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign 11.094 ± 39.825 χ^2/NDF : 19.6/45

All: -4.738 ± 26.831 χ^2/NDF : 34.0/94

- sign -17.898 ± 36.308 χ^2/NDF : 14.2/48

asym_bcm_dg_ds_rms vs Slug



Right In: 194.107 +/- 0.049 χ^2/NDF : 1684436.5/20

Left Out: 202.186 +/- 0.034 χ^2/NDF : 1696571.9/24

Right Out: 184.058 +/- 0.042 χ^2/NDF : 2530763.6/25

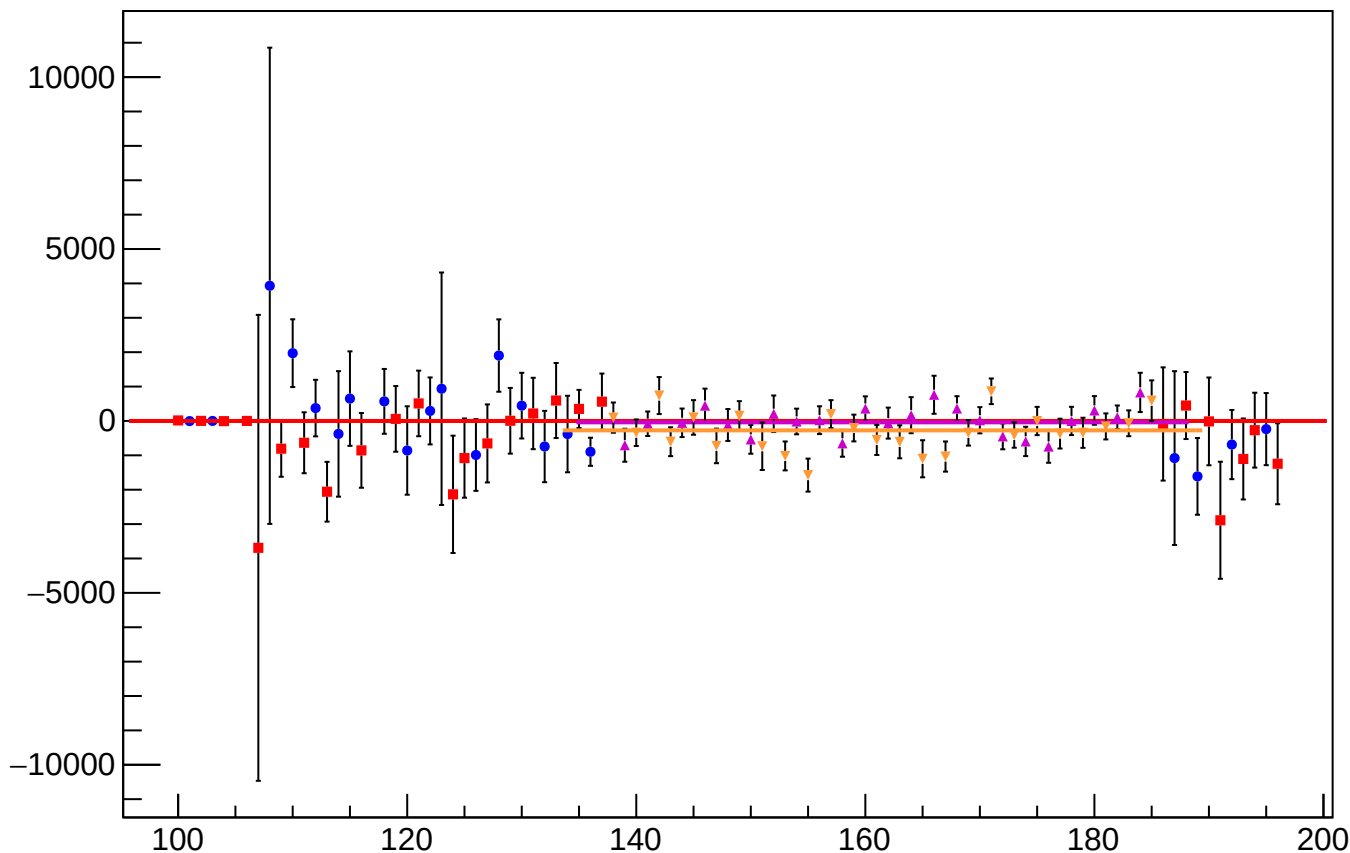
Left In: 183.732 +/- 0.032 χ^2/NDF : 1495930.4/22

+ sign 199.501 +/- 0.028 χ^2/NDF : 3399271.1/45

All: 190.956 +/- 0.019 χ^2/NDF : 7594615.9/94

- sign 183.854 +/- 0.026 χ^2/NDF : 4026731.6/48

asym_cav4bQ_mean vs Slug



Right In: -1.540 ± 2.251 χ^2/NDF : 19.7/20

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.742 ± 2.111 χ^2/NDF : 23.4/25

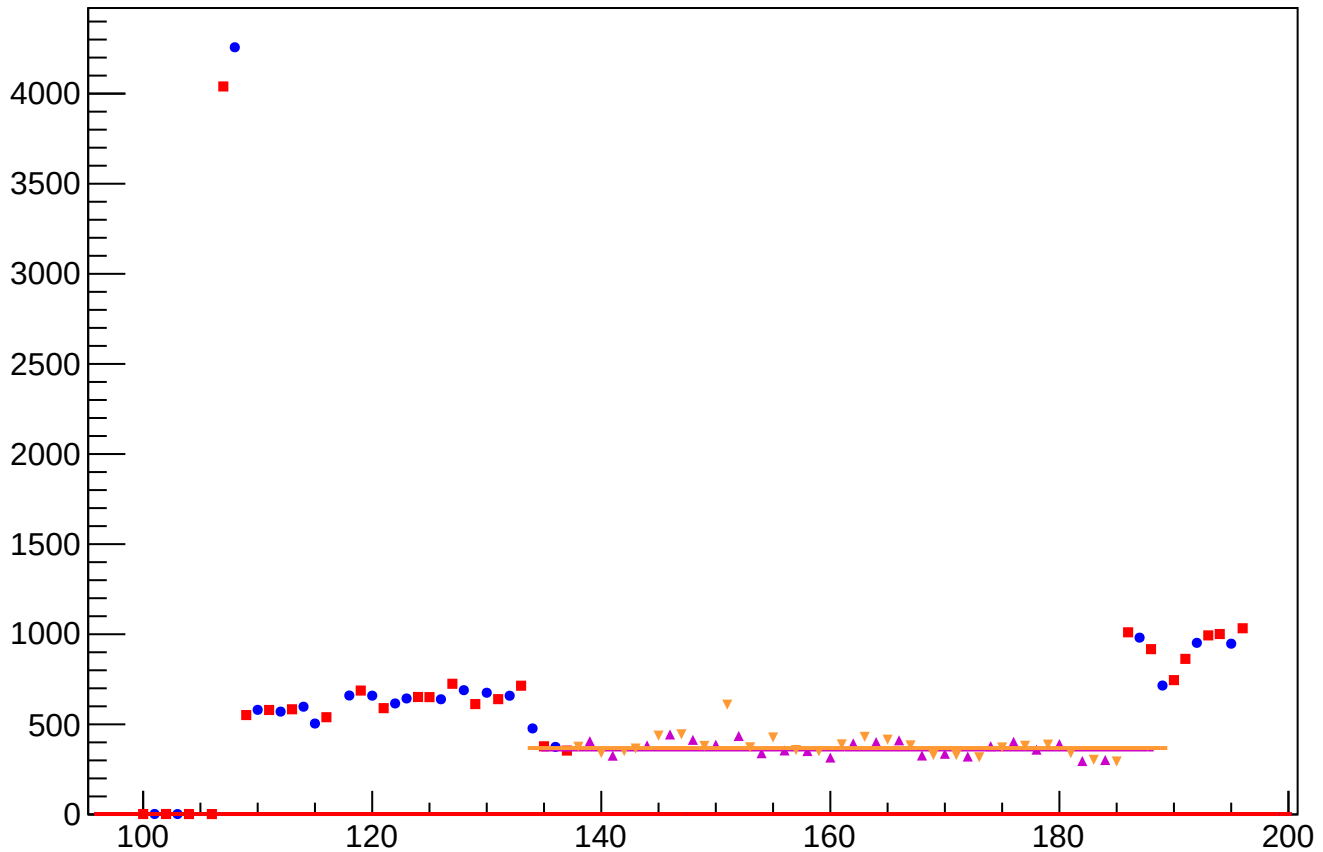
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.723 ± 2.251 χ^2/NDF : 67.8/45

All: -1.213 ± 1.540 χ^2/NDF : 111.6/94

- sign -0.765 ± 2.110 χ^2/NDF : 43.7/48

asym_cav4bQ_rms vs Slug



Right In: 2.469 $\pm$ 0.002 χ^2 /NDF: 15190779.7/20

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.456 $\pm$ 0.001 χ^2 /NDF: 19426963.2/25

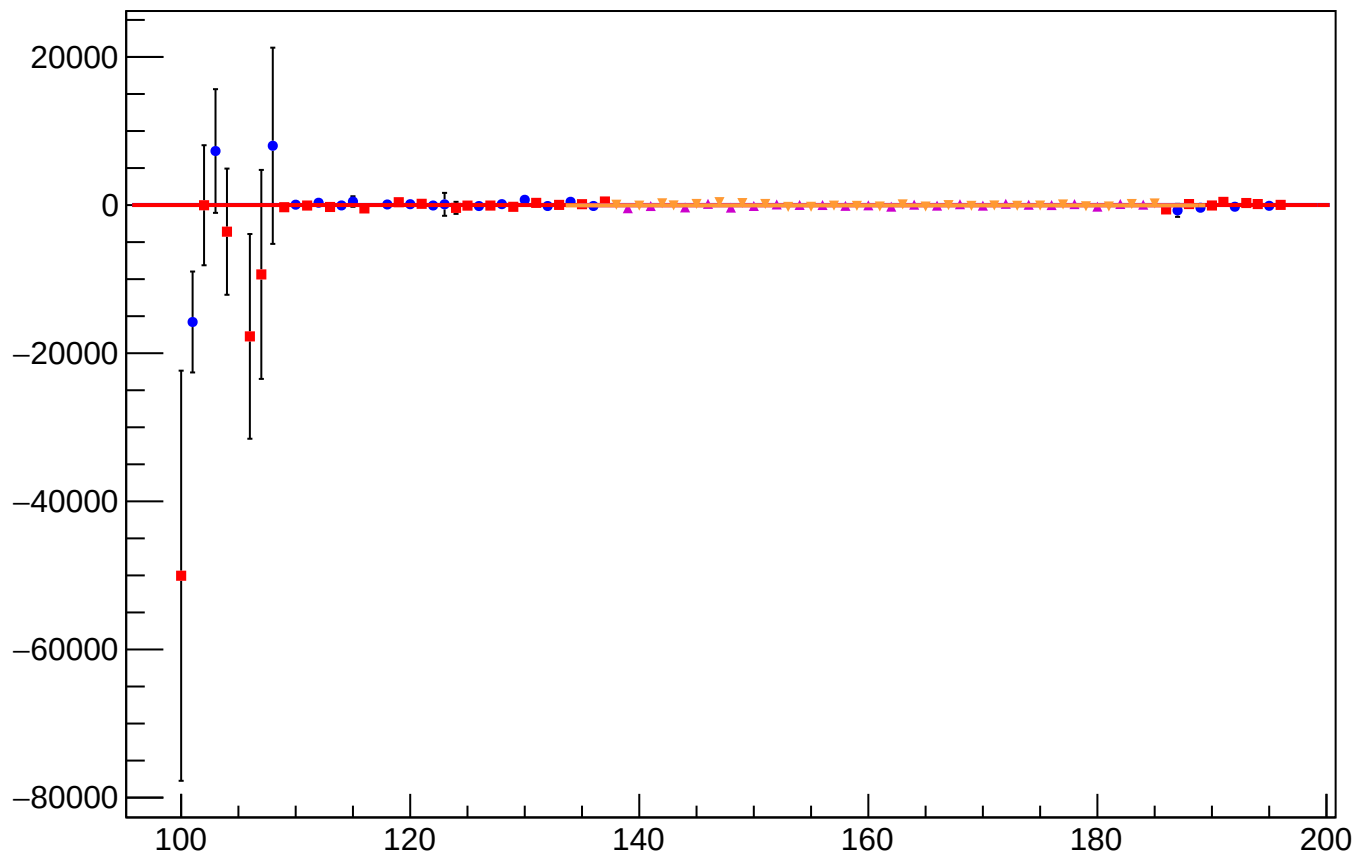
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.714 $\pm$ 0.002 χ^2 /NDF: 51298603.5/45

All: 2.688 $\pm$ 0.001 χ^2 /NDF: 104652734.6/94

- sign 2.665 $\pm$ 0.001 χ^2 /NDF: 53353609.4/48

asym_cav4cQ_mean vs Slug



Right In: 20.393+/-76.839 χ^2/NDF : 15.2/20

Left Out: -39.036+/-49.576 χ^2/NDF : 9.1/24

Right Out: 2.510+/-67.908 χ^2/NDF : 16.8/25

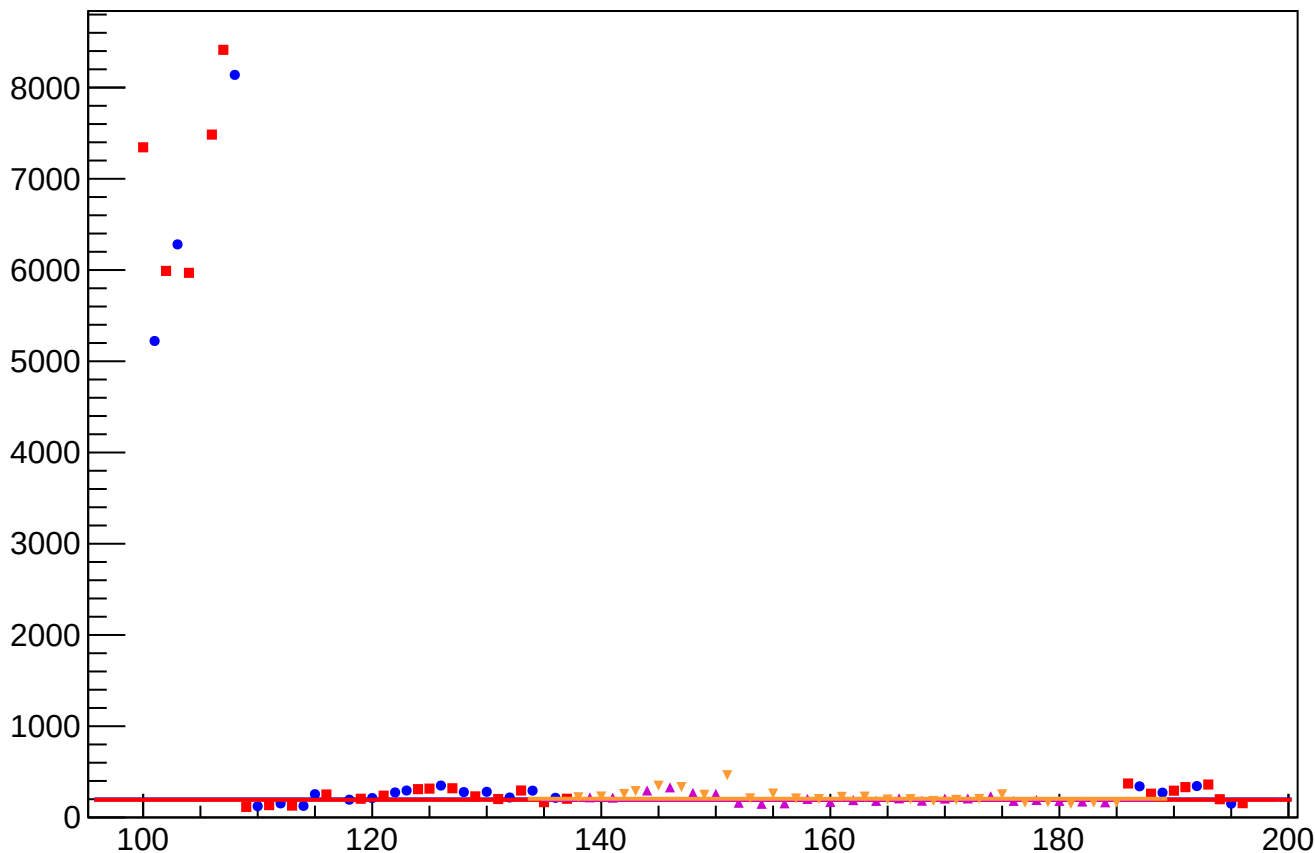
Left In: -28.062+/-48.032 χ^2/NDF : 9.6/22

+ sign -21.568+/-41.658 χ^2/NDF : 24.8/45

All: -19.606+/-28.553 χ^2/NDF : 51.3/94

- sign -17.867+/-39.214 χ^2/NDF : 26.5/48

asym_cav4cQ_rms vs Slug



Right In: 197.865 $\pm$ 0.054 χ^2 /NDF: 4301995.1/20

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF:1957484.4/24

Right Out: 193.546 $\pm$ 0.048 χ^2 /NDF: 5226091.0/25

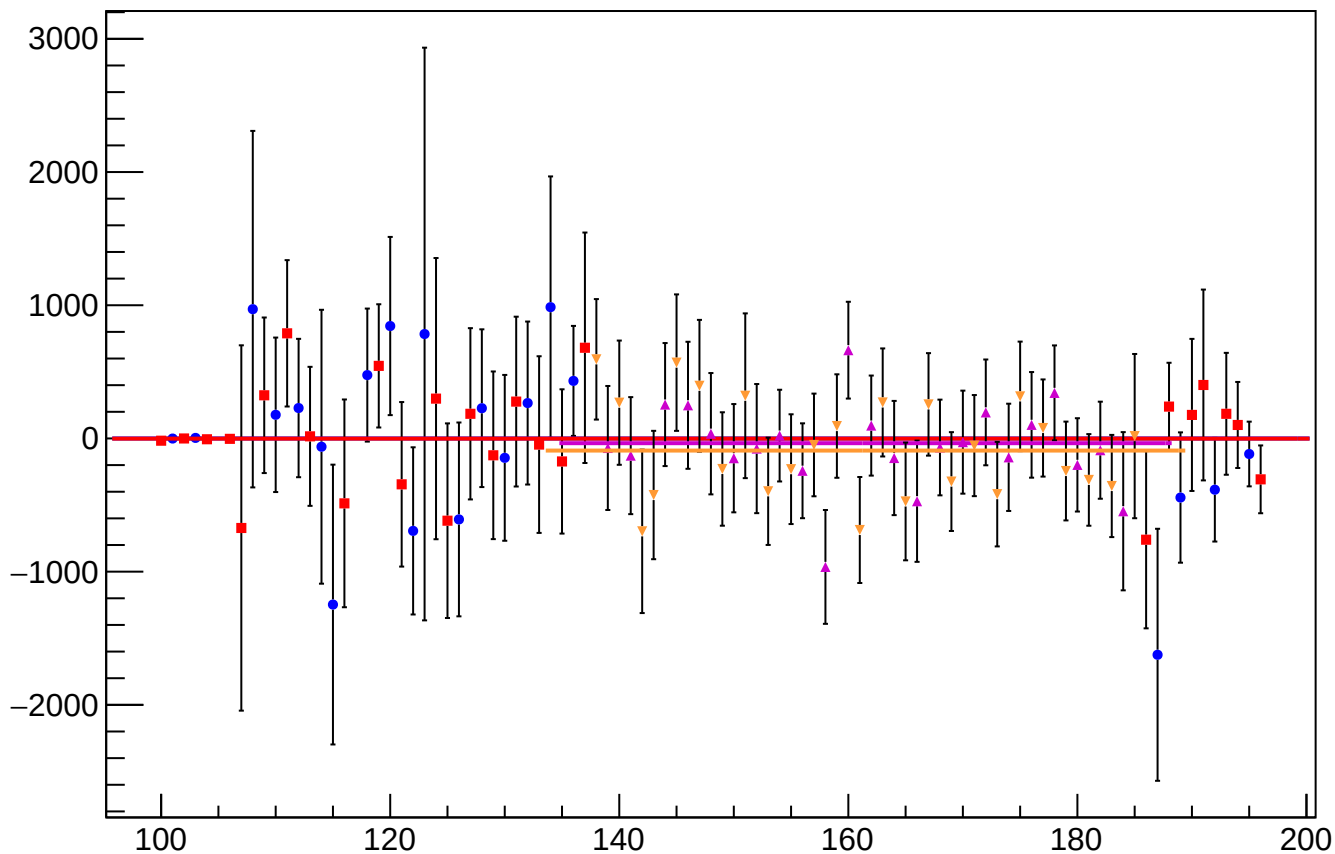
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 202.983 $\pm$ 0.029 χ^2 /NDF: 6272048.5/45

All: 198.004 $\pm$ 0.020 χ^2 /NDF: 12731490.7/94

- sign 193.593 $\pm$ 0.028 χ^2 /NDF: 6405563.5/48

asym_cav4dQ_mean vs Slug



Right In: -0.165 ± 1.737 χ^2/NDF : 15.1/20

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.325 ± 1.622 χ^2/NDF : 13.2/25

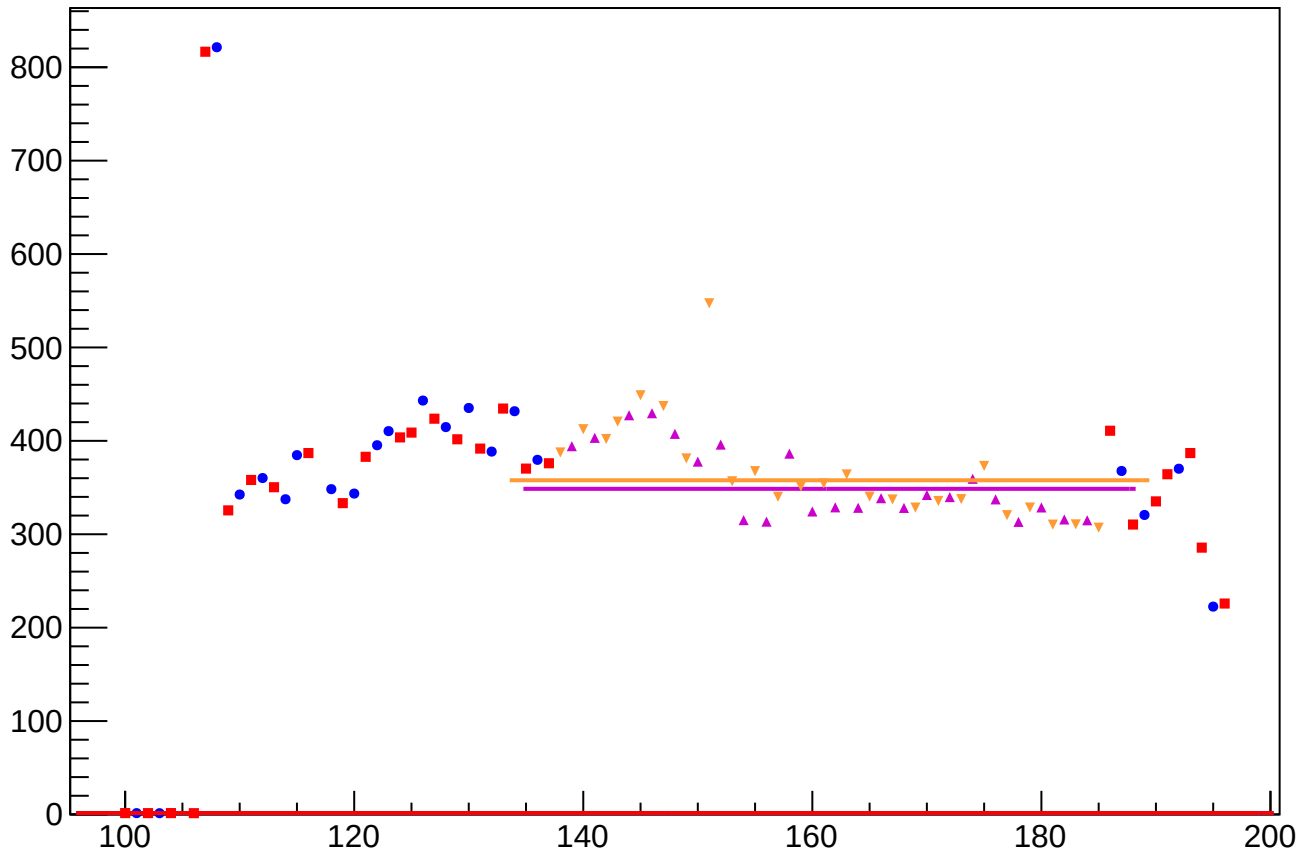
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.204 ± 1.736 χ^2/NDF : 32.7/45

All: -0.810 ± 1.185 χ^2/NDF : 59.7/94

- sign -1.338 ± 1.622 χ^2/NDF : 26.8/48

asym_cav4dQ_rms vs Slug



Right In: 1.476 $\pm$ 0.001 χ^2 /NDF: 15375428.5/20

Left Out: 357.804 $\pm$ 0.059 χ^2 /NDF: 547036.5/24

Right Out: 1.487 $\pm$ 0.001 χ^2 /NDF: 19069902.6/25

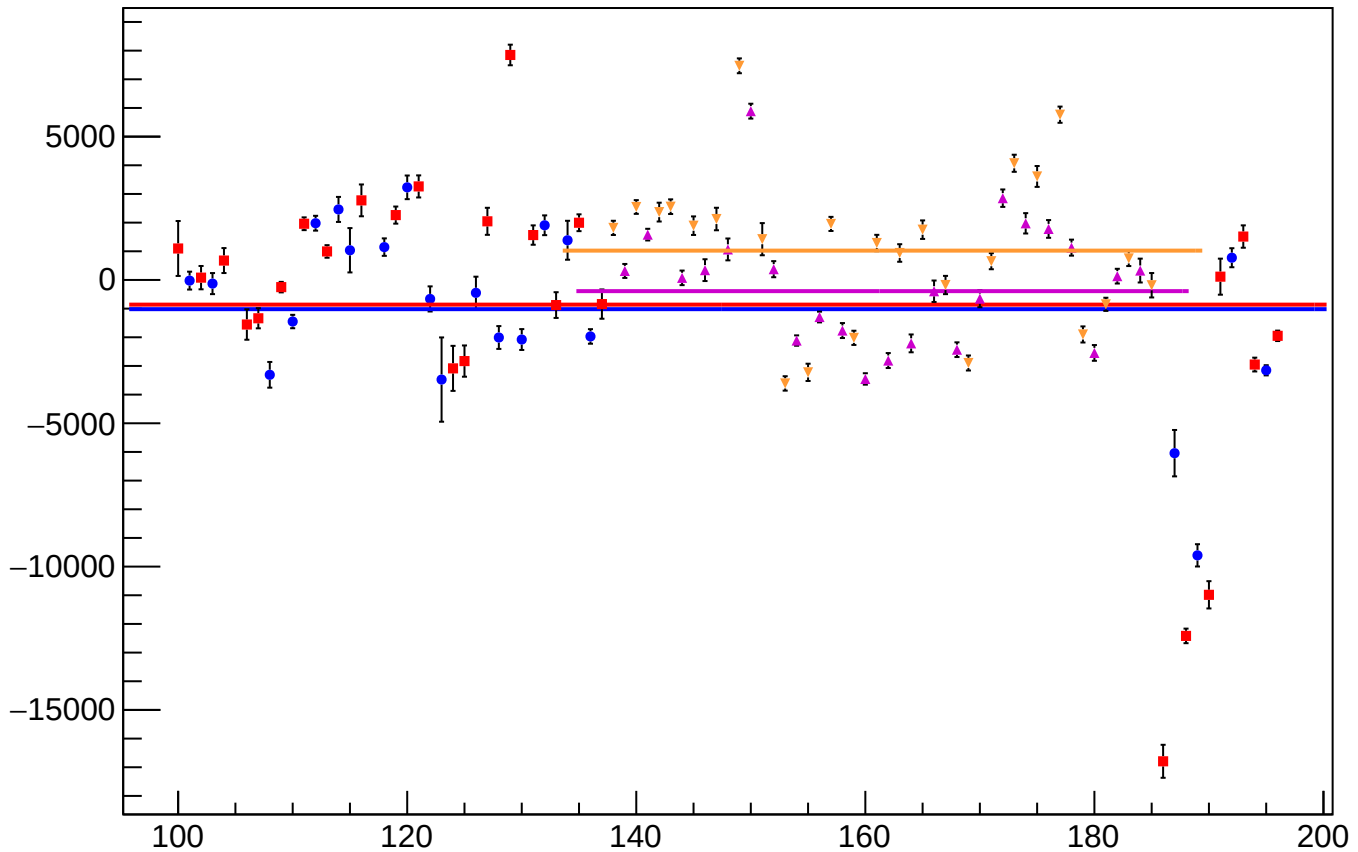
Left In: 348.611 $\pm$ 0.060 χ^2 /NDF: 362511.2/22

+ sign 1.628 $\pm$ 0.001 χ^2 /NDF: 51829109.5/45

All: 1.621 $\pm$ 0.001 χ^2 /NDF: 105094285.7/94

- sign 1.615 $\pm$ 0.001 χ^2 /NDF: 53265116.4/48

asym_bcm0l02_mean vs Slug



Right In: -1019.169 ± 75.145 $\chi^2/\text{NDF}: 1224.7/20$

Left Out: 1023.439 ± 57.338 $\chi^2/\text{NDF}: 2309.4/24$

Right Out: -860.962 ± 64.296 $\chi^2/\text{NDF}: 4768.4/25$

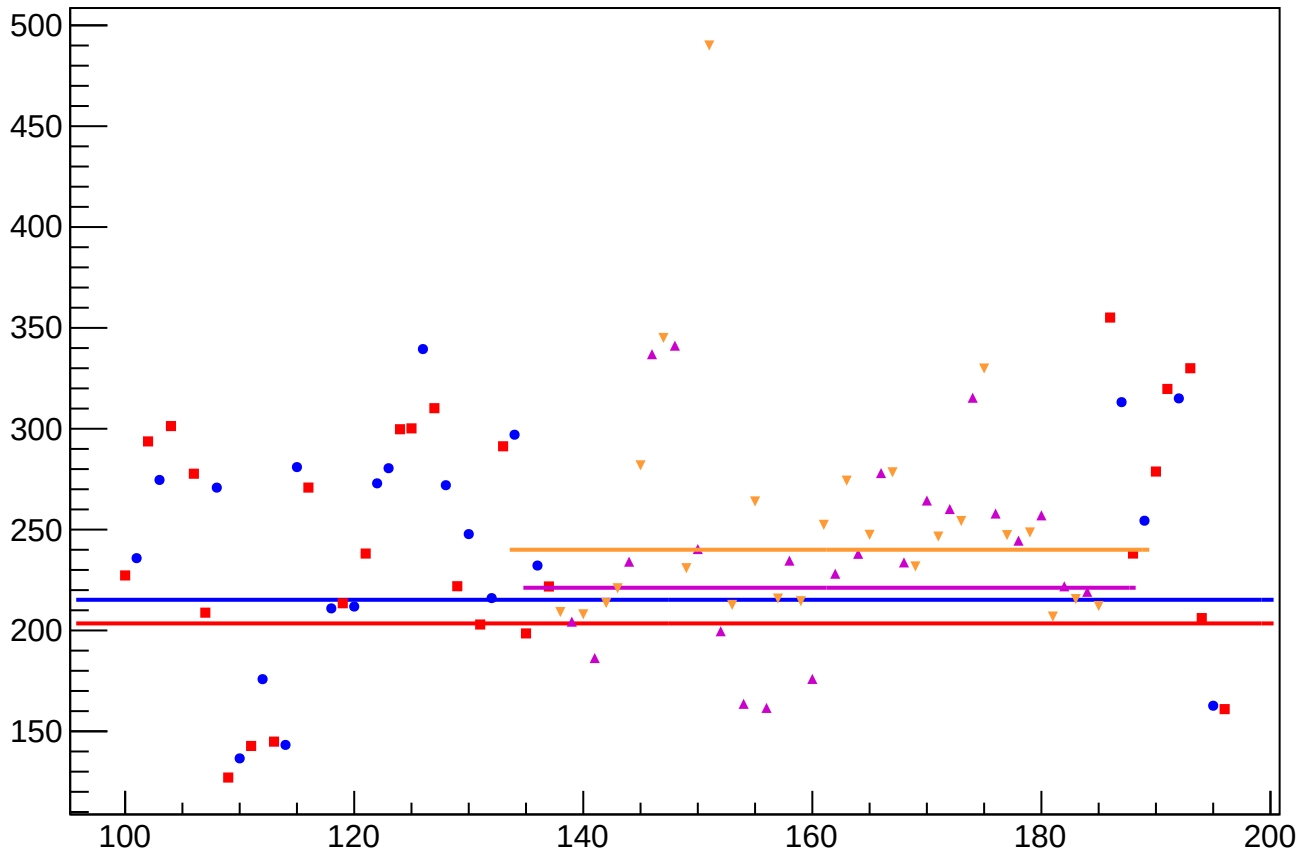
Left In: -390.237 ± 54.931 $\chi^2/\text{NDF}: 1584.9/22$

+ sign 271.807 ± 45.584 $\chi^2/\text{NDF}: 4001.1/45$

All: -196.083 ± 30.794 $\chi^2/\text{NDF}: 10579.1/94$

- sign -588.854 ± 41.764 $\chi^2/\text{NDF}: 6384.3/48$

asym_bcm0l02_rms vs Slug



Right In: 215.205 $\pm$ 0.053 χ^2 /NDF: 1069469.2/20

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 203.487 $\pm$ 0.045 χ^2 /NDF: 1821045.0/25

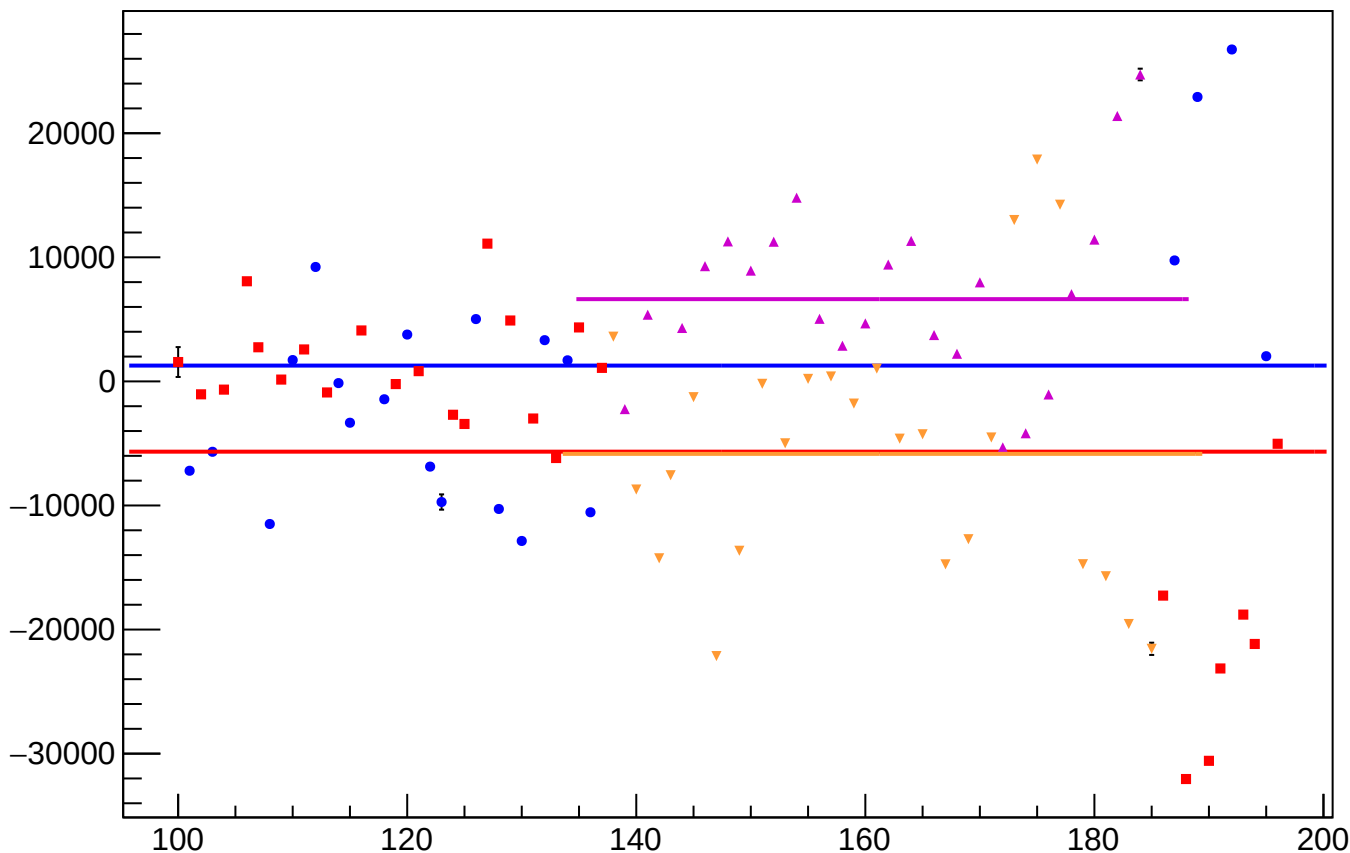
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 230.888 $\pm$ 0.032 χ^2 /NDF: 2209737.6/45

All: 221.550 $\pm$ 0.022 χ^2 /NDF: 5615168.3/94

- sign 213.711 $\pm$ 0.030 χ^2 /NDF: 3251034.7/48

asym_bpm2i01WS_mean vs Slug



Right In: 1273.408+/-42.989 χ^2/NDF : 69891.8/20

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -5663.286+/-38.297 χ^2/NDF : 99806.6/25

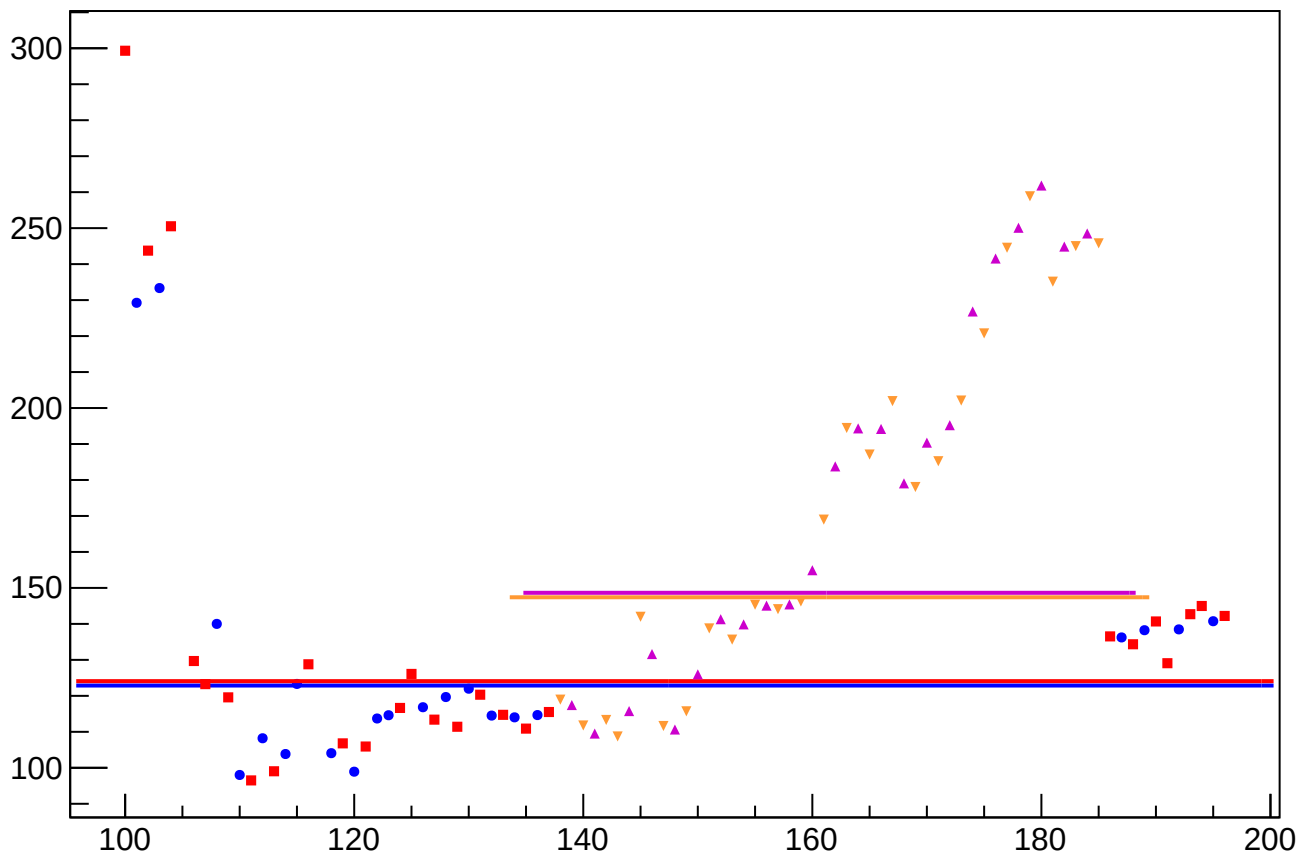
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -2923.392+/-27.532 χ^2/NDF : 149446.6/45

All: -1070.688+/-19.156 χ^2/NDF : 332826.5/9

- sign 667.760+/-26.669 χ^2/NDF : 174602.3/48

asym_bpm2i01WS_rms vs Slug



Right In: 122.869+/-0.030 χ^2/NDF : 718016.6/20

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 124.088+/-0.027 χ^2/NDF : 849446.3/25

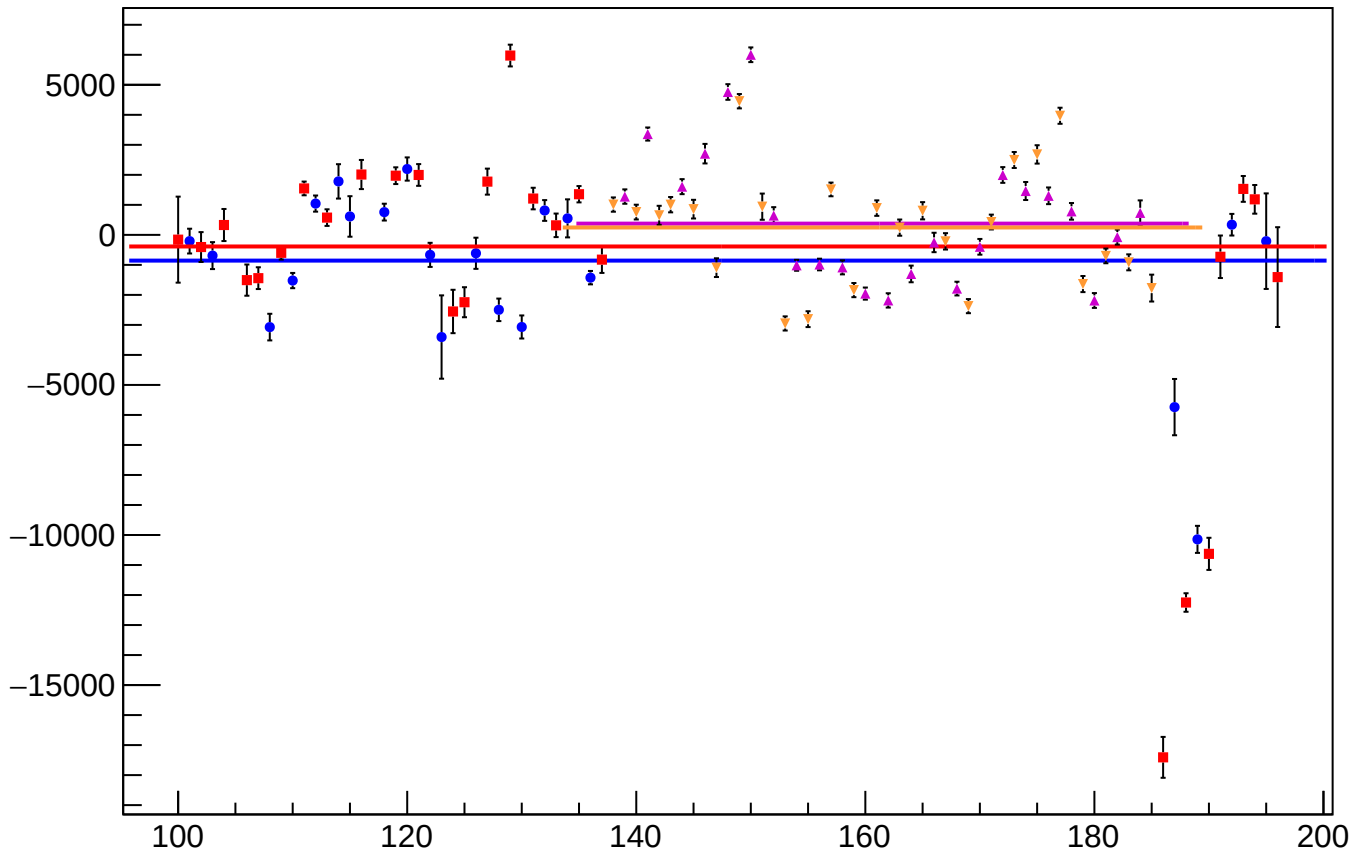
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 137.336+/-0.019 χ^2/NDF : 3619121.2/45

All: 137.026+/-0.014 χ^2/NDF : 7308042.7/94

- sign 136.735+/-0.019 χ^2/NDF : 3688429.2/48

asym_bpm0i07WS_mean vs Slug



Right In: -857.286 ± 84.737 χ^2/NDF : 759.5/20

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -386.606 ± 75.363 χ^2/NDF : 3160.5/25

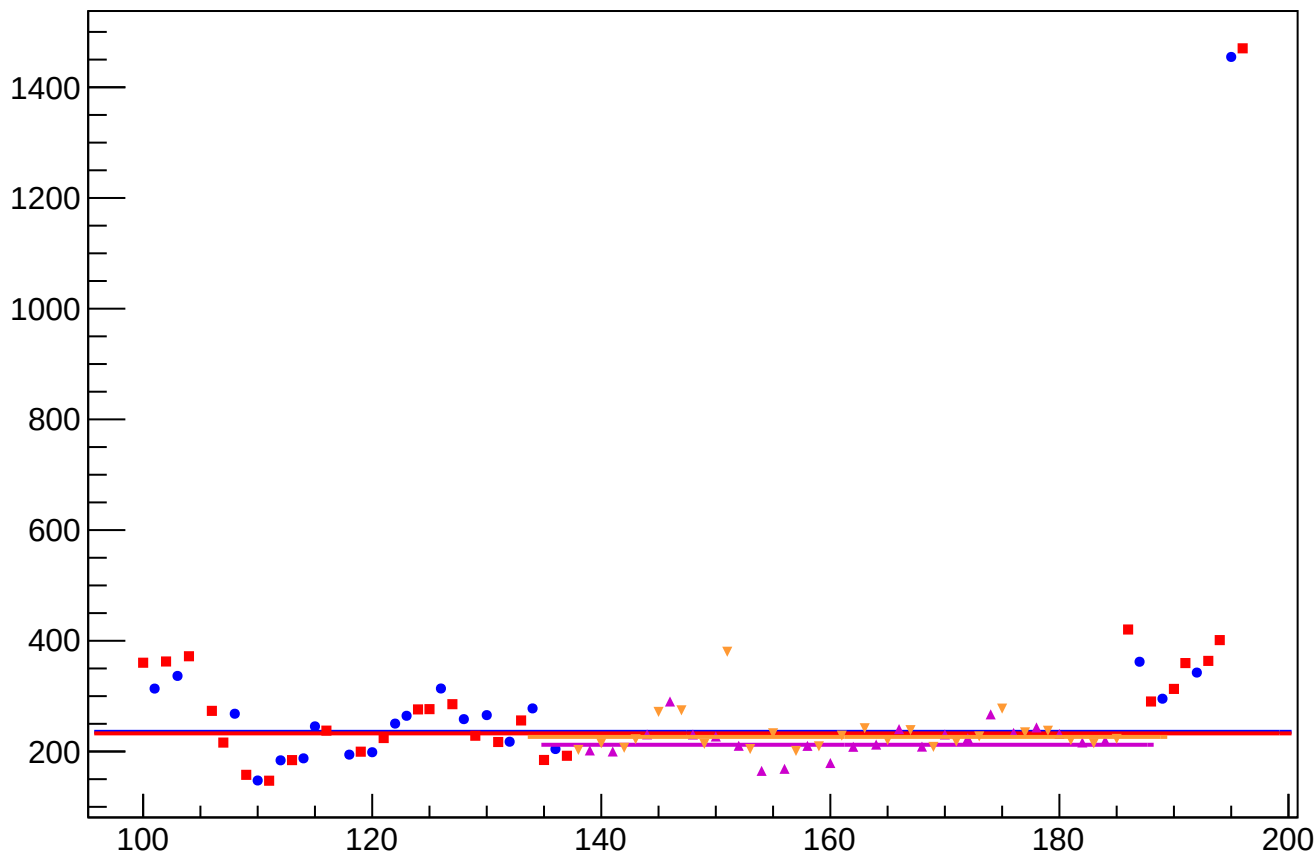
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -68.293 ± 45.233 χ^2/NDF : 2235.6/45

All: 36.299 ± 31.066 χ^2/NDF : 7273.7/94

- sign 129.680 ± 42.740 χ^2/NDF : 5027.9/48

asym_bpm0i07WS_rms vs Slug



Right In: 235.522 $\pm$ 0.060 χ^2 /NDF: 2116005.3/20

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 232.710 $\pm$ 0.053 χ^2 /NDF: 2912878.7/25

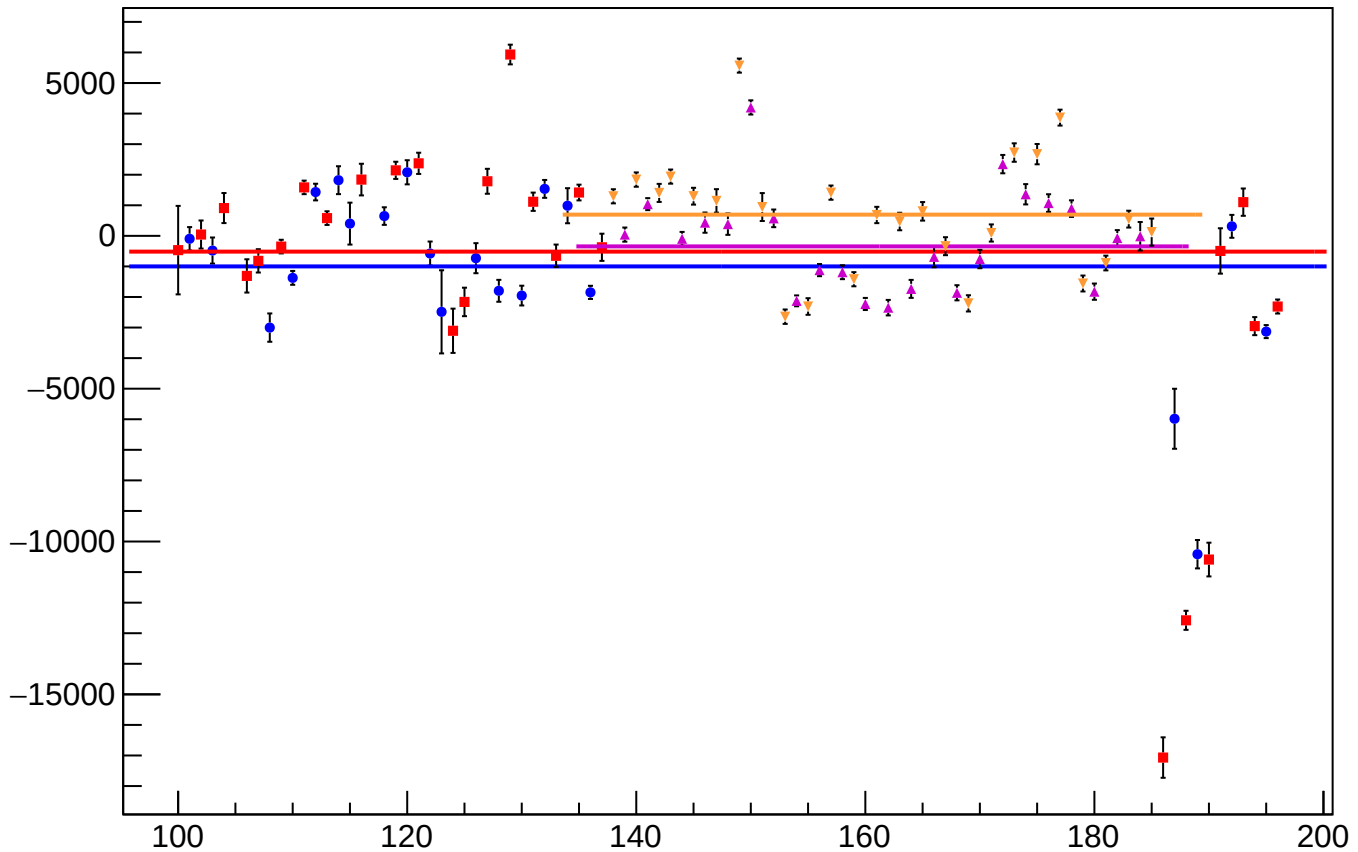
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 228.982 $\pm$ 0.032 χ^2 /NDF: 2654436.7/45

All: 223.581 $\pm$ 0.022 χ^2 /NDF: 6314011.0/94

- sign 218.759 $\pm$ 0.030 χ^2 /NDF: 3605609.2/48

asym_bpm0l01WS_mean vs Slug



Right In: -999.659 ± 75.595 χ^2/NDF : 912.6/20

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: -515.790 ± 67.609 χ^2/NDF : 3449.1/25

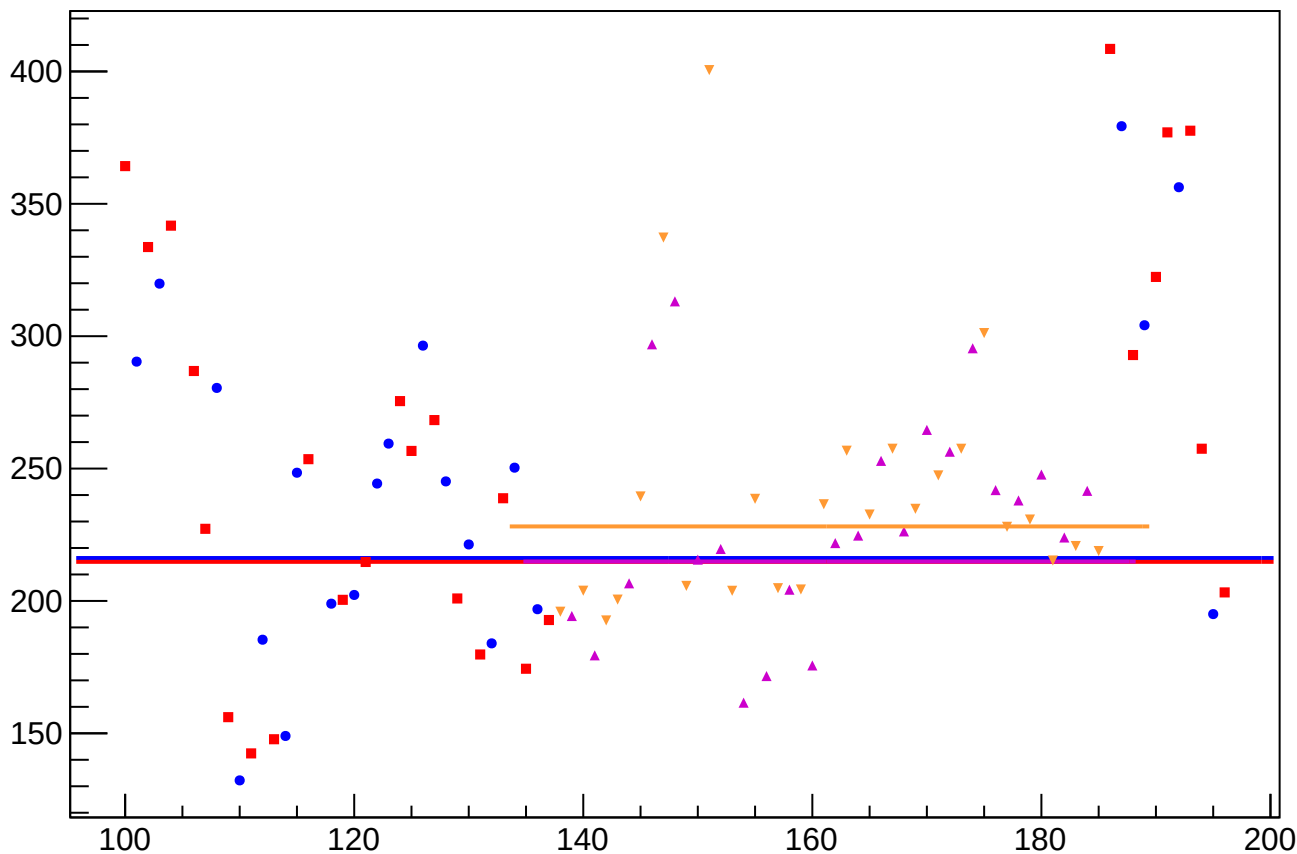
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 118.530 ± 44.073 χ^2/NDF : 2666.2/45

All: -160.246 ± 30.286 χ^2/NDF : 7180.1/94

- sign -409.675 ± 41.689 χ^2/NDF : 4438.1/48

asym_bpm0l01WS_rms vs Slug



Right In: 216.210 $\pm$ 0.053 χ^2 /NDF: 1142405.5/20

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF: 828399.3/24

Right Out: 214.772 $\pm$ 0.048 χ^2 /NDF: 1813286.9/25

Left In: 214.878 $\pm$ 0.037 χ^2 /NDF: 1037509.6/22

+ sign 224.087 $\pm$ 0.031 χ^2 /NDF: 2003704.8/45

All: 219.206 $\pm$ 0.021 χ^2 /NDF: 4900997.8/94

- sign 214.838 $\pm$ 0.029 χ^2 /NDF: 2850799.6/48

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

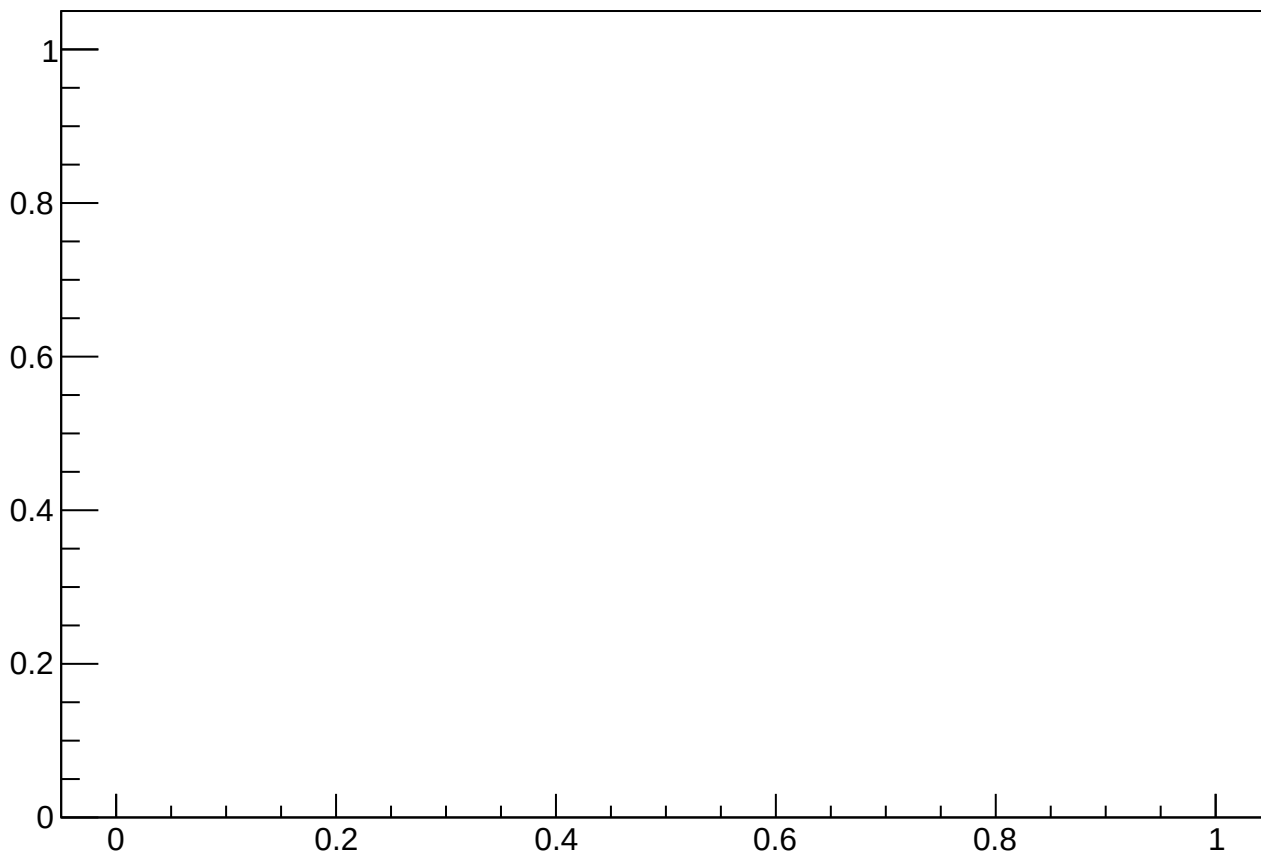
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

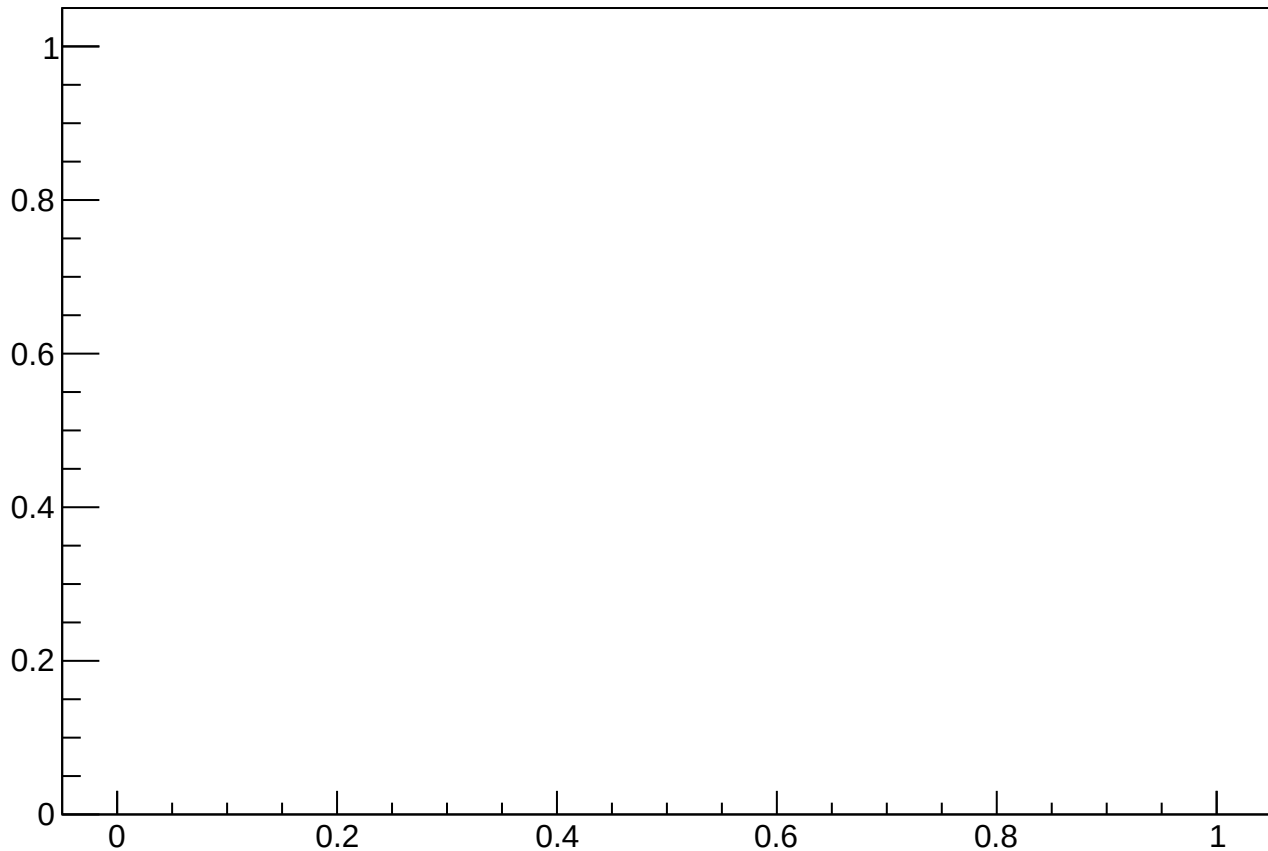
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

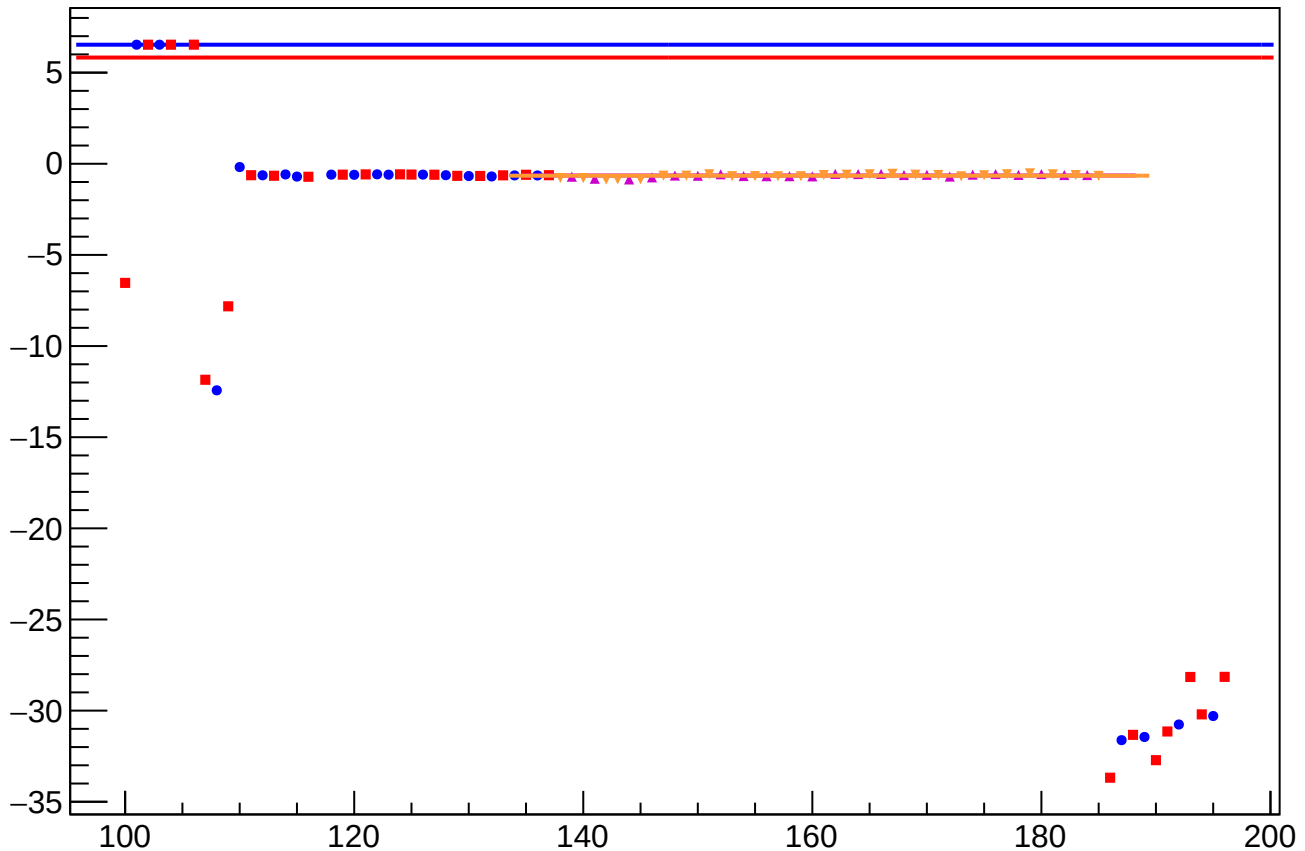
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 127765854675.7/20

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962209881674.5/25

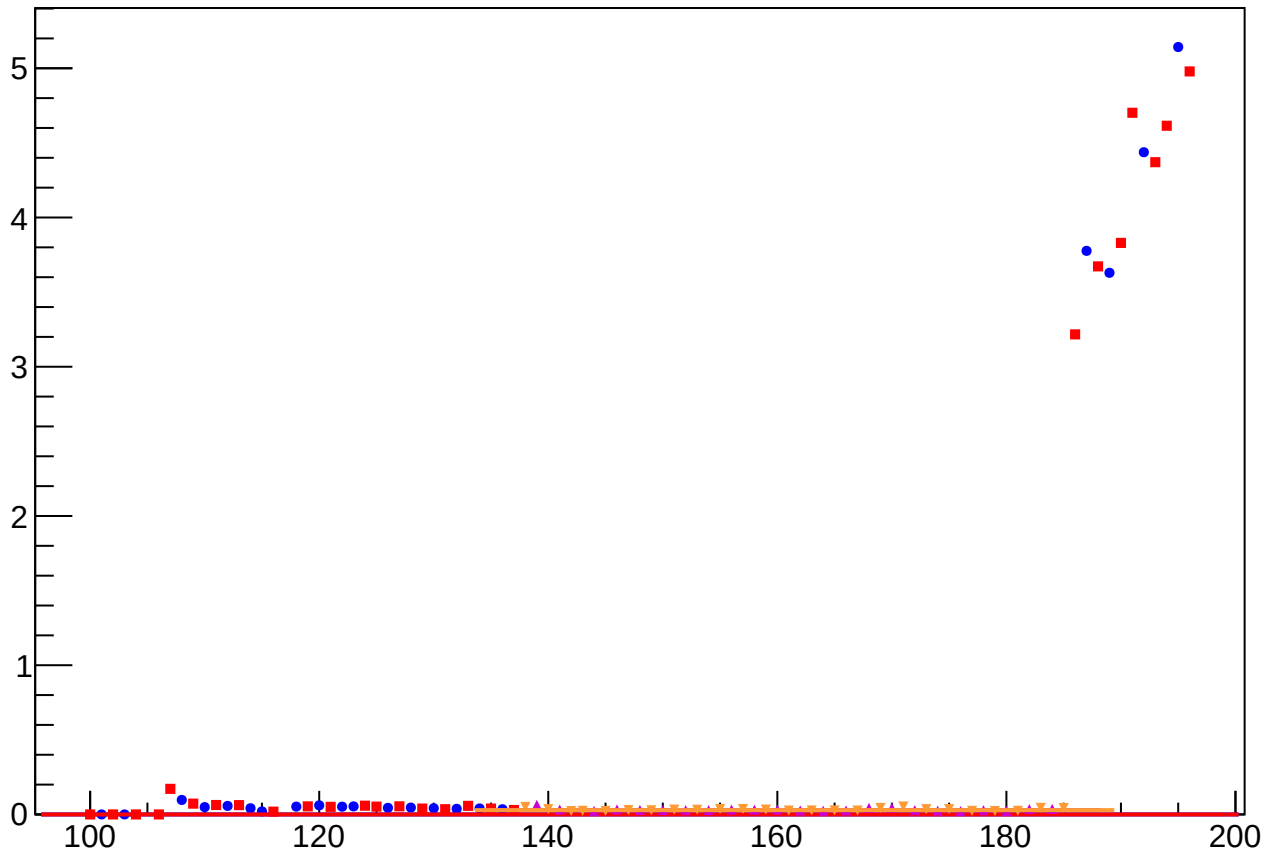
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001605365093.3/45

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762737288790

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640673022396.6/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 13358718.2/20

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 17504045.1/25

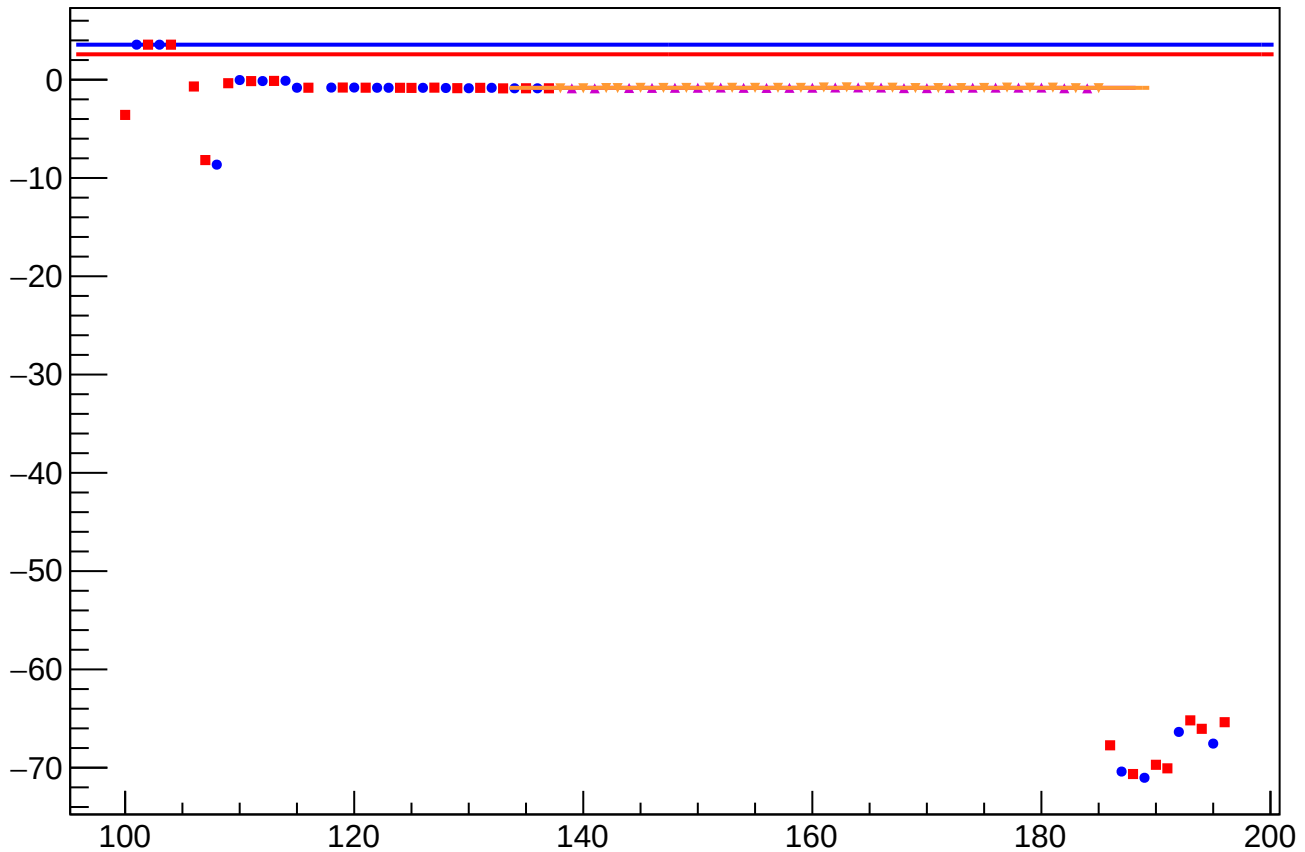
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 43322485.9/45

All: 0.000+/-0.000 χ^2/NDF : 89009044.4/94

- sign 0.000+/-0.000 χ^2/NDF : 45685891.4/48

yield_cav4bY_mean vs Slug



Right In: 3.563 ± 0.000 χ^2/NDF : 487671359834.1/20

Left Out: -0.827 ± 0.000 χ^2/NDF : 170052639.9/24

Right Out: 2.583 ± 0.000 χ^2/NDF : 1253516857880364.0/25

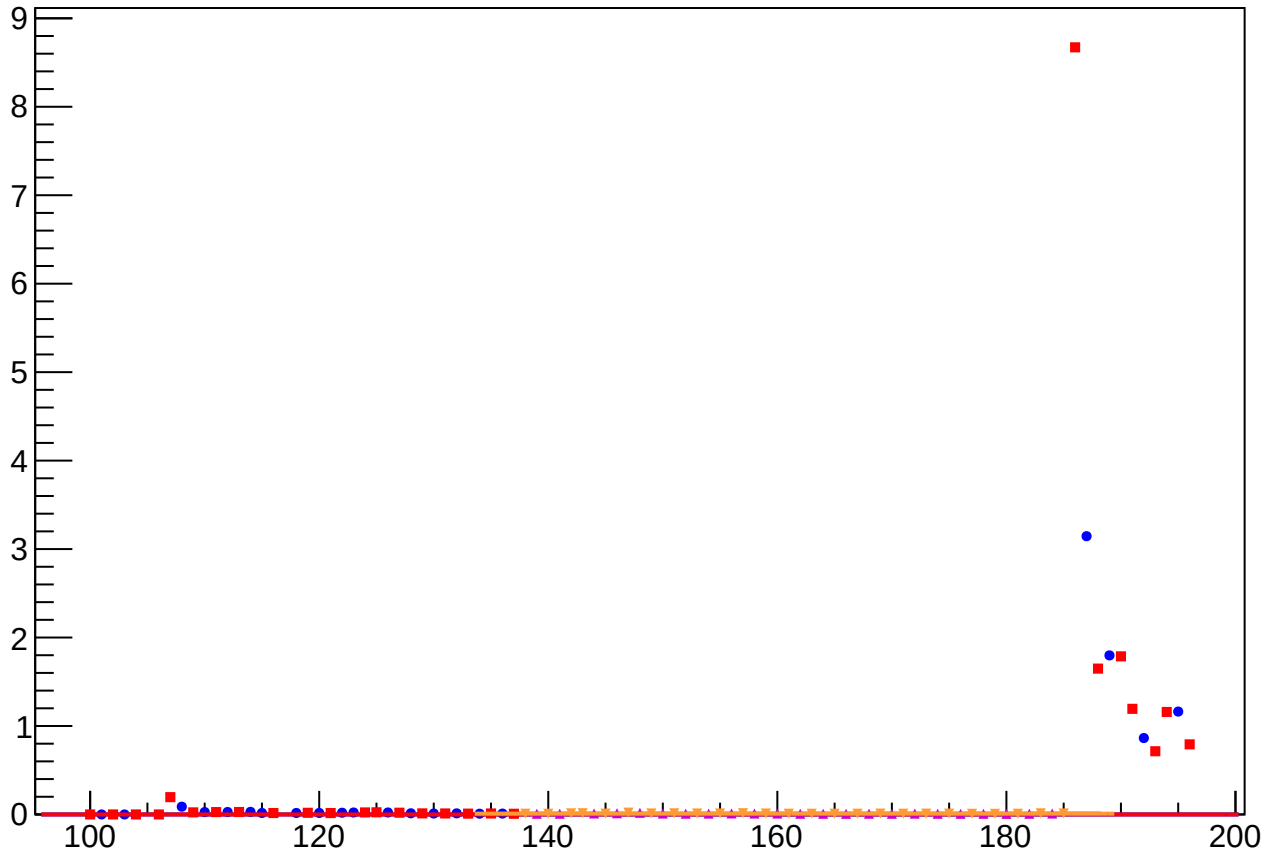
Left In: -0.827 ± 0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560 ± 0.000 χ^2/NDF : 4184119816132.2/45

All: 3.038 ± 0.000 χ^2/NDF : 13880002897373

- sign 2.581 ± 0.000 χ^2/NDF : 1255737952150929.5

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 13386255.7/20

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16990618.9/25

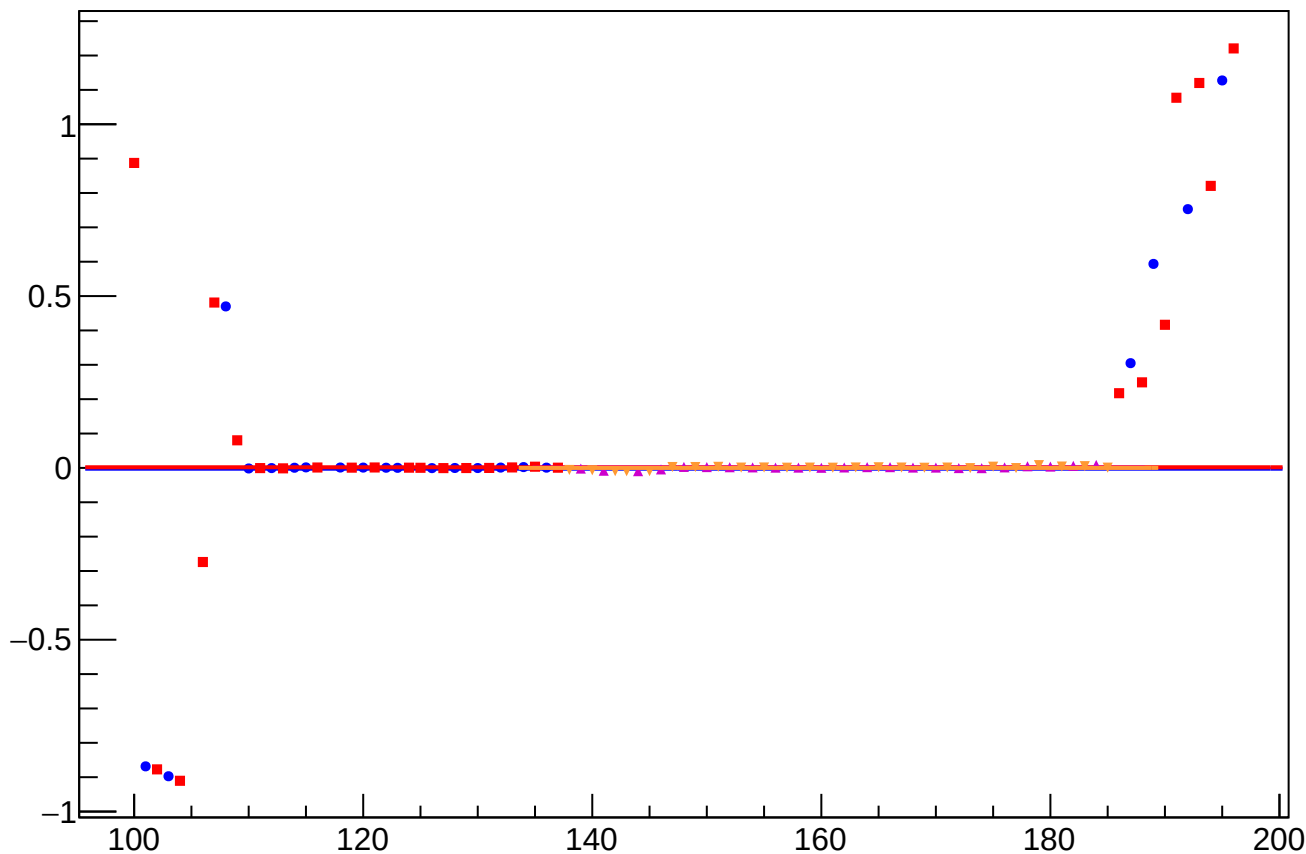
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 44894668.9/45

All: 0.000+/-0.000 χ^2/NDF : 91693018.4/94

- sign 0.000+/-0.000 χ^2/NDF : 46797275.3/48

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795450917.5/20

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3042317036.4/25

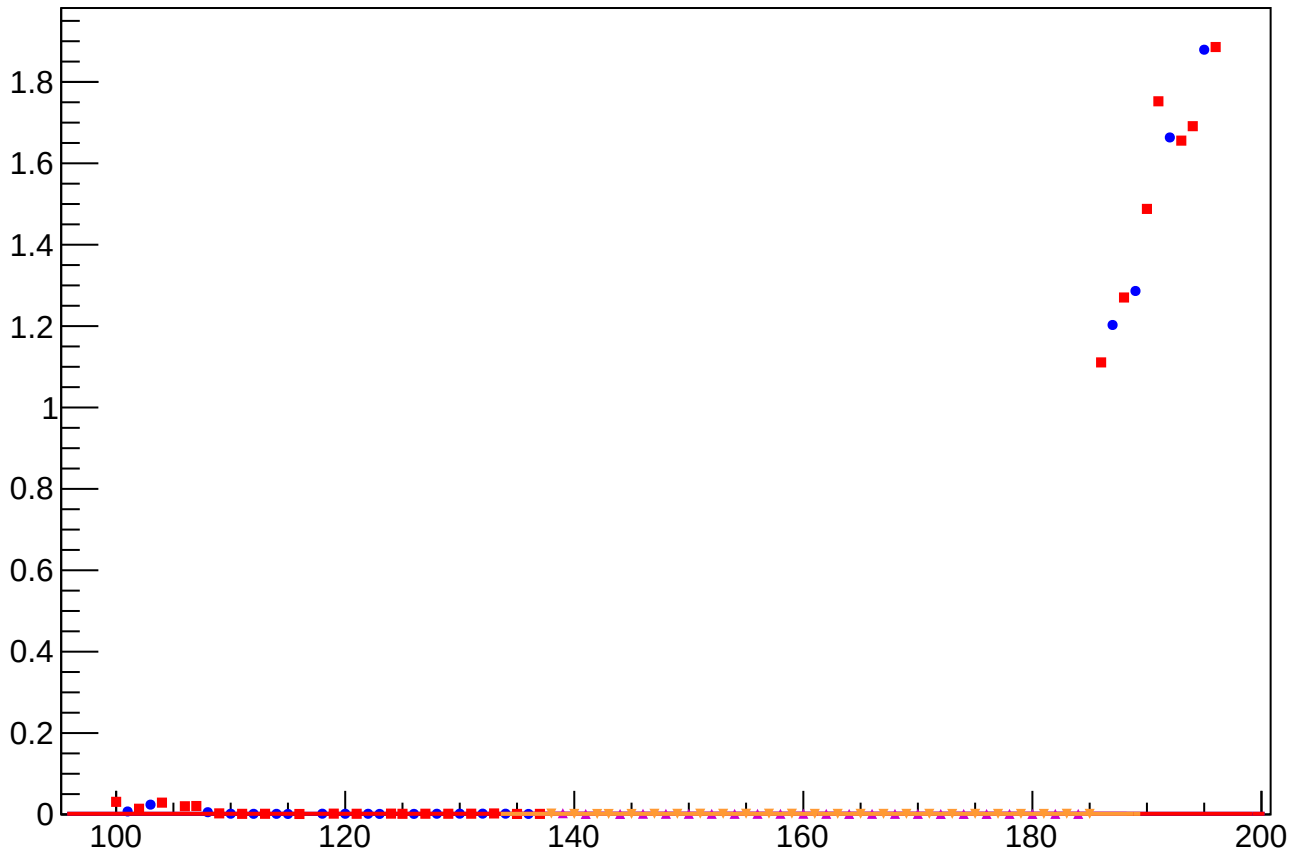
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9953973315.9/45

All: 0.000 ± 0.000 χ^2/NDF : 13107286700.4/9

- sign 0.001 ± 0.000 χ^2/NDF : 3145761912.3/48

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 6393782.2/20

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539040.4/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 11179322.2/25

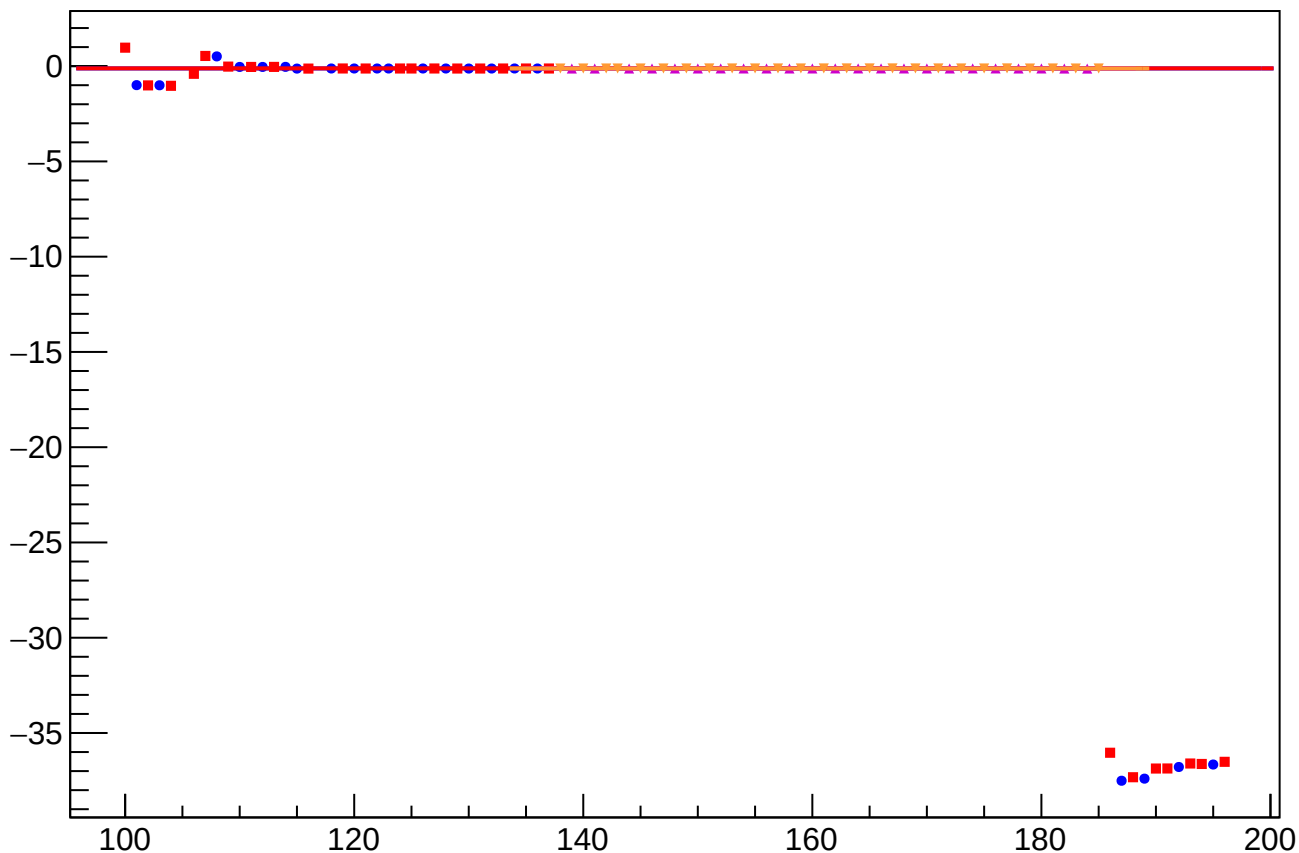
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:659543.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7002900.1/45

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 18958851.4/94

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11948023.9/48

yield_cav4cY_mean vs Slug



Right In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 21466143129.8/20$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.116 ± 0.000 $\chi^2/\text{NDF}: 36885431058.2/25$

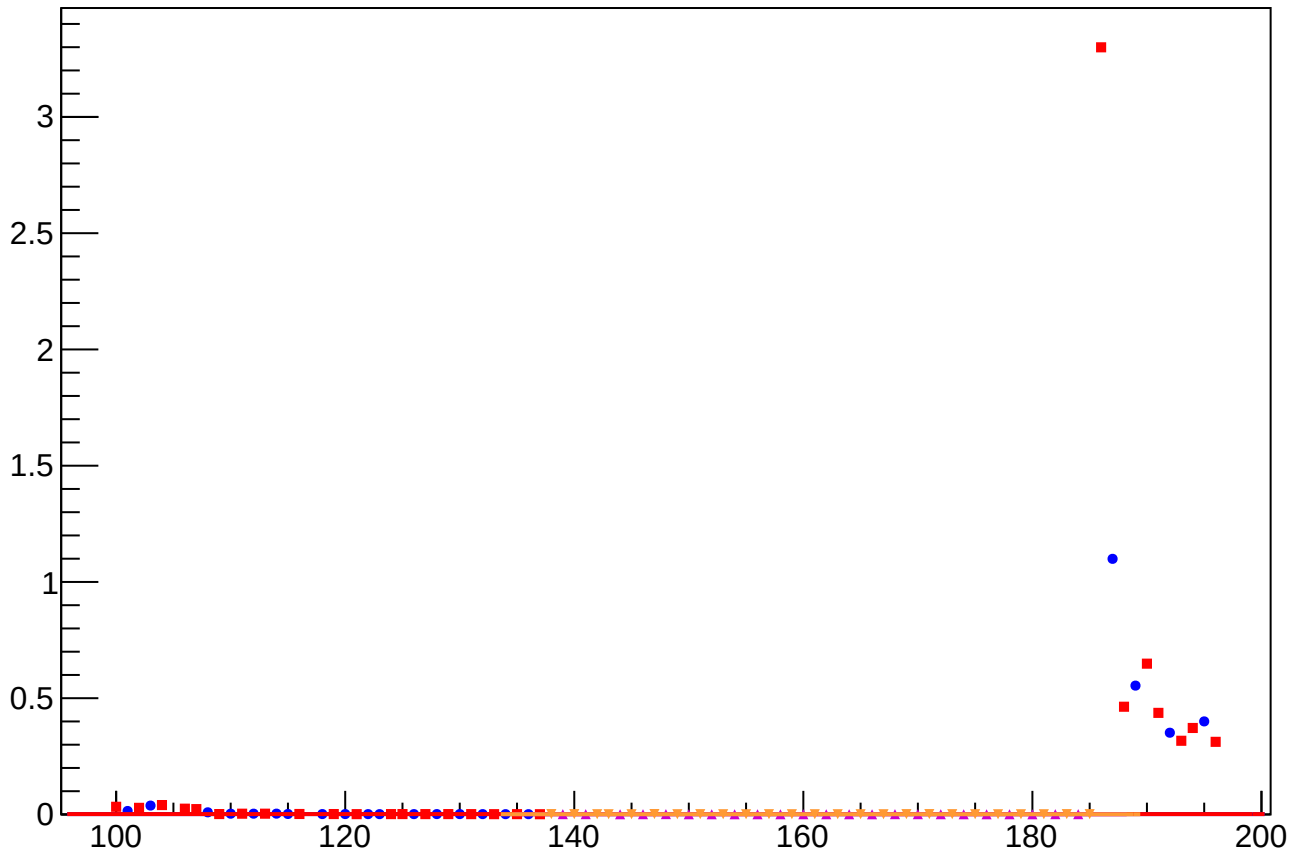
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.121 ± 0.000 $\chi^2/\text{NDF}: 21524923574.5/45$

All: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58510153464.8/48$

- sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 36981454516.3/48$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 7165800.1/20

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 11336174.9/25

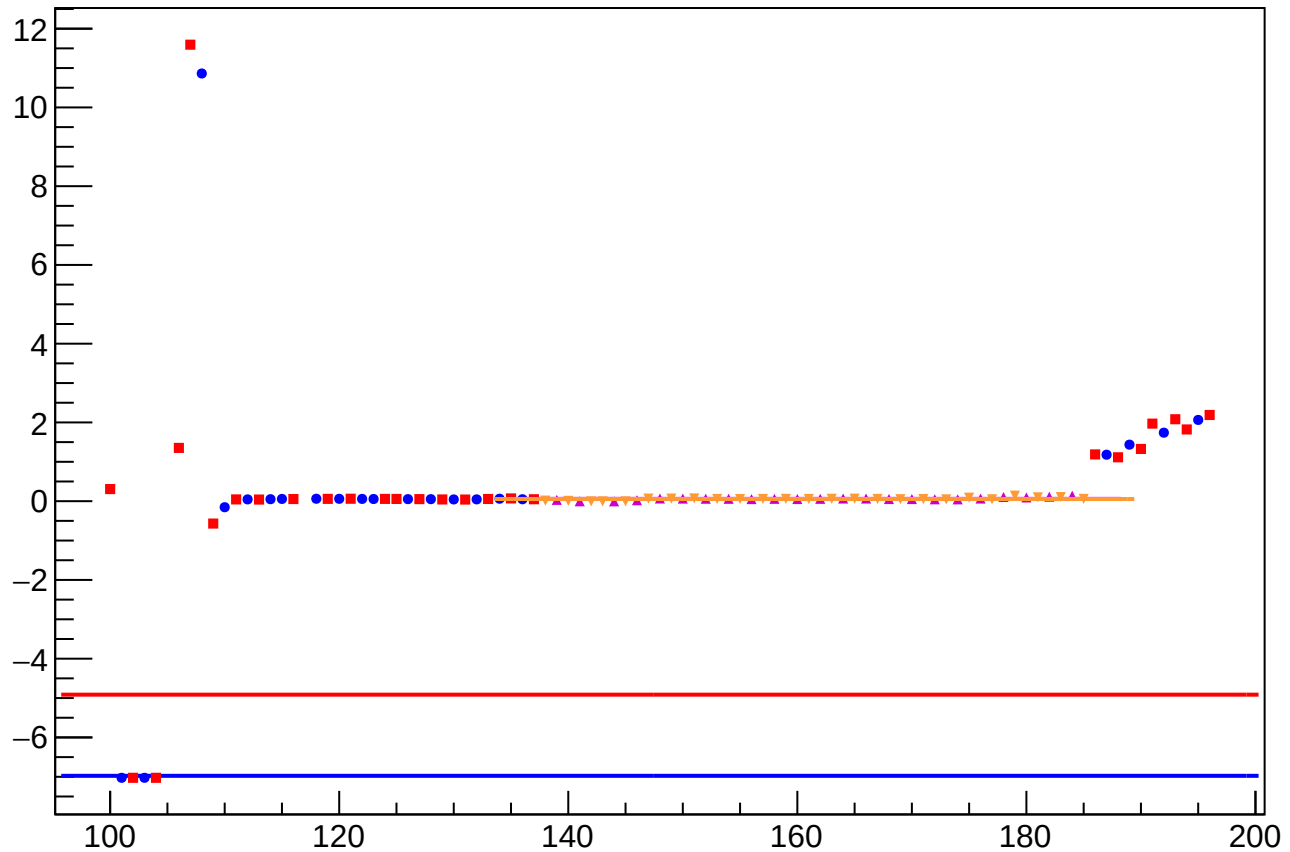
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 9694983.7/45

All: 0.001+/-0.000 χ^2/NDF : 23128682.6/94

- sign 0.001+/-0.000 χ^2/NDF : 13431616.0/48

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762533629153.1/20

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348629261044.4/25

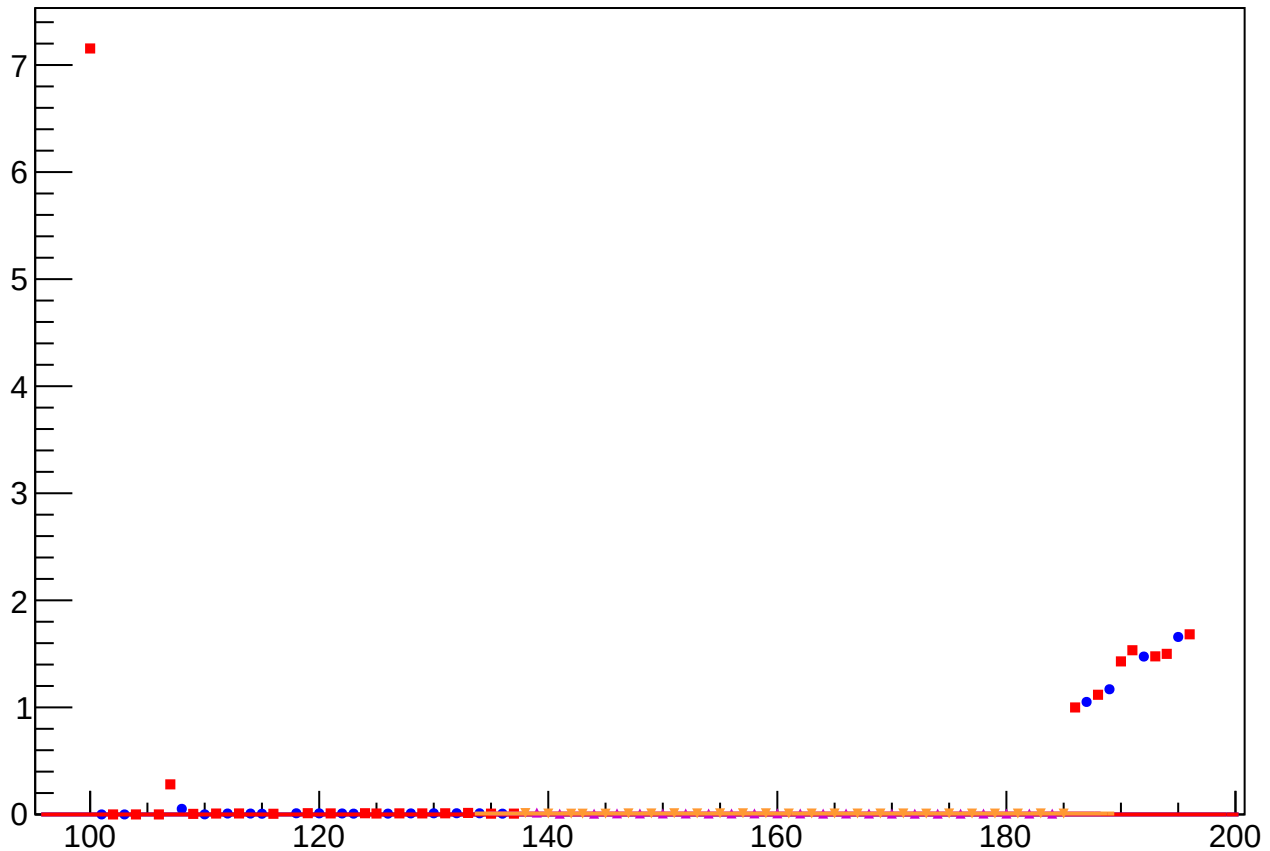
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417523324011.9/20

All: -5.858 ± 0.000 χ^2/NDF : 4435813477864.4/25

- sign -4.882 ± 0.000 χ^2/NDF : 369770920443581.3/25

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12710391.3/20

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16929305.9/25

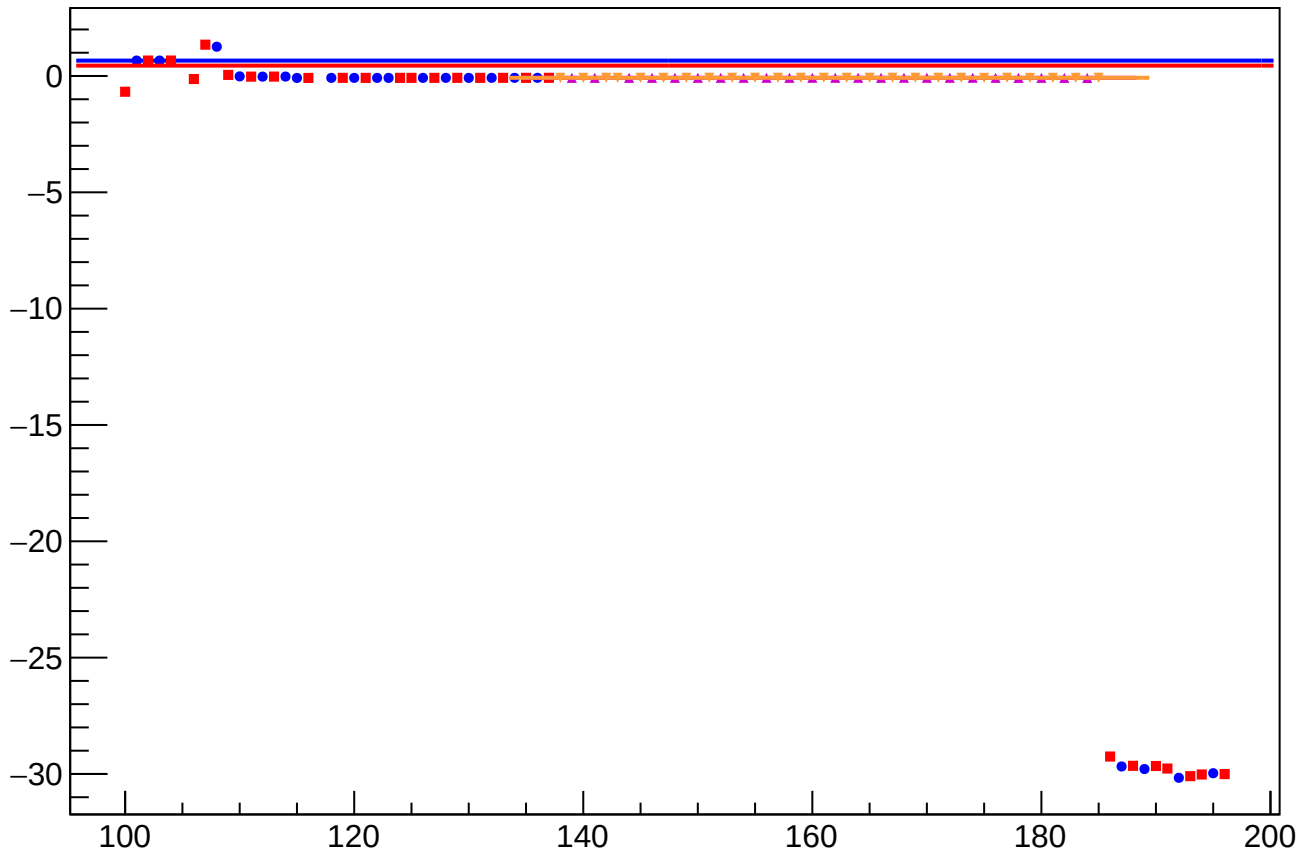
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 41698082.3/45

All: 0.000+/-0.000 χ^2/NDF : 86305815.2/94

- sign 0.000+/-0.000 χ^2/NDF : 44603293.3/48

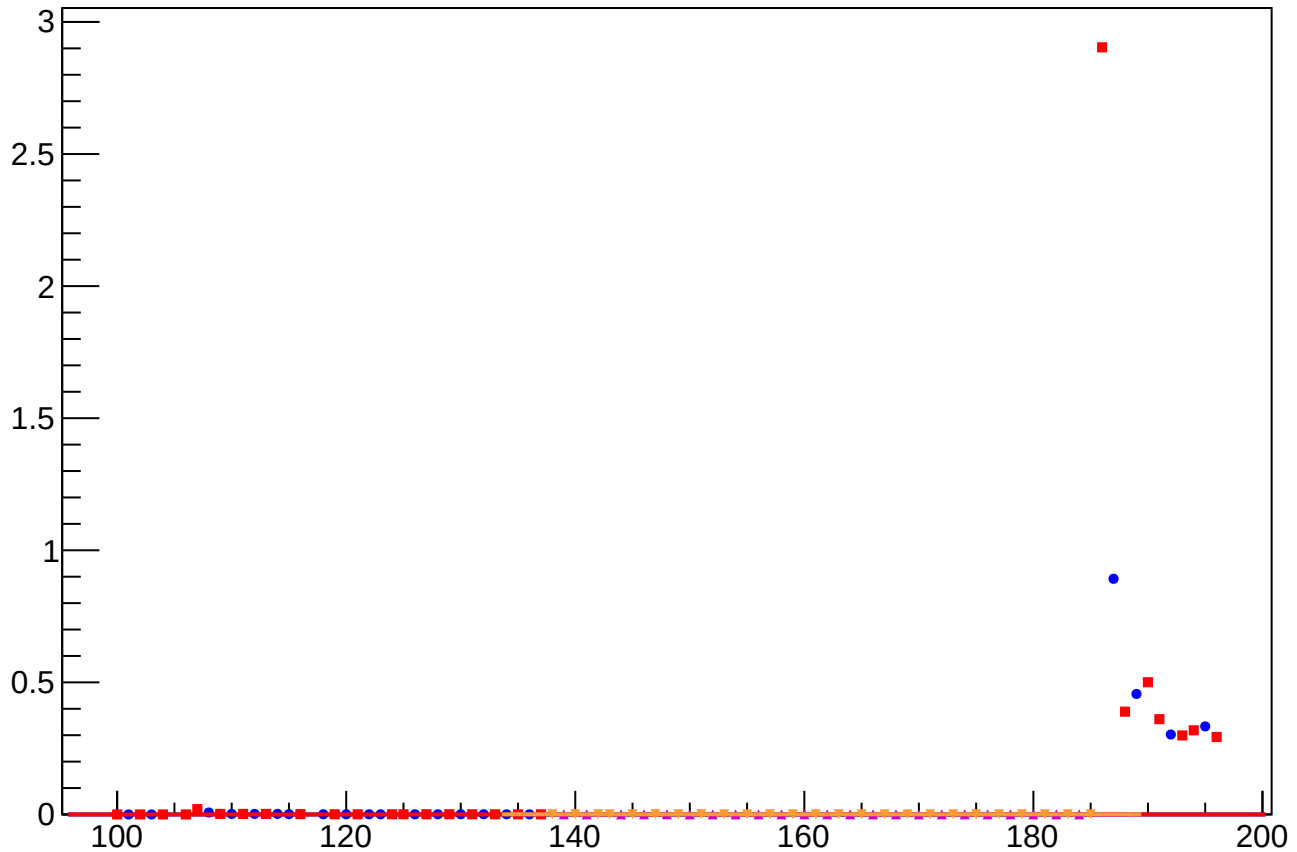
yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 χ^2/NDF : 5603039668920.5/20
 Left Out: -0.078 ± 0.000 χ^2/NDF : 156525648.0/24
 Right Out: 0.446 ± 0.000 χ^2/NDF : 405447314917613.9/25
 Left In: -0.077 ± 0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646 ± 0.000 χ^2/NDF : 35770536198839.9/4
 All: 0.537 ± 0.000 χ^2/NDF : 51602966218417
 - sign 0.437 ± 0.000 χ^2/NDF : 419678848663177.1/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14287075.9/20

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 17459778.3/25

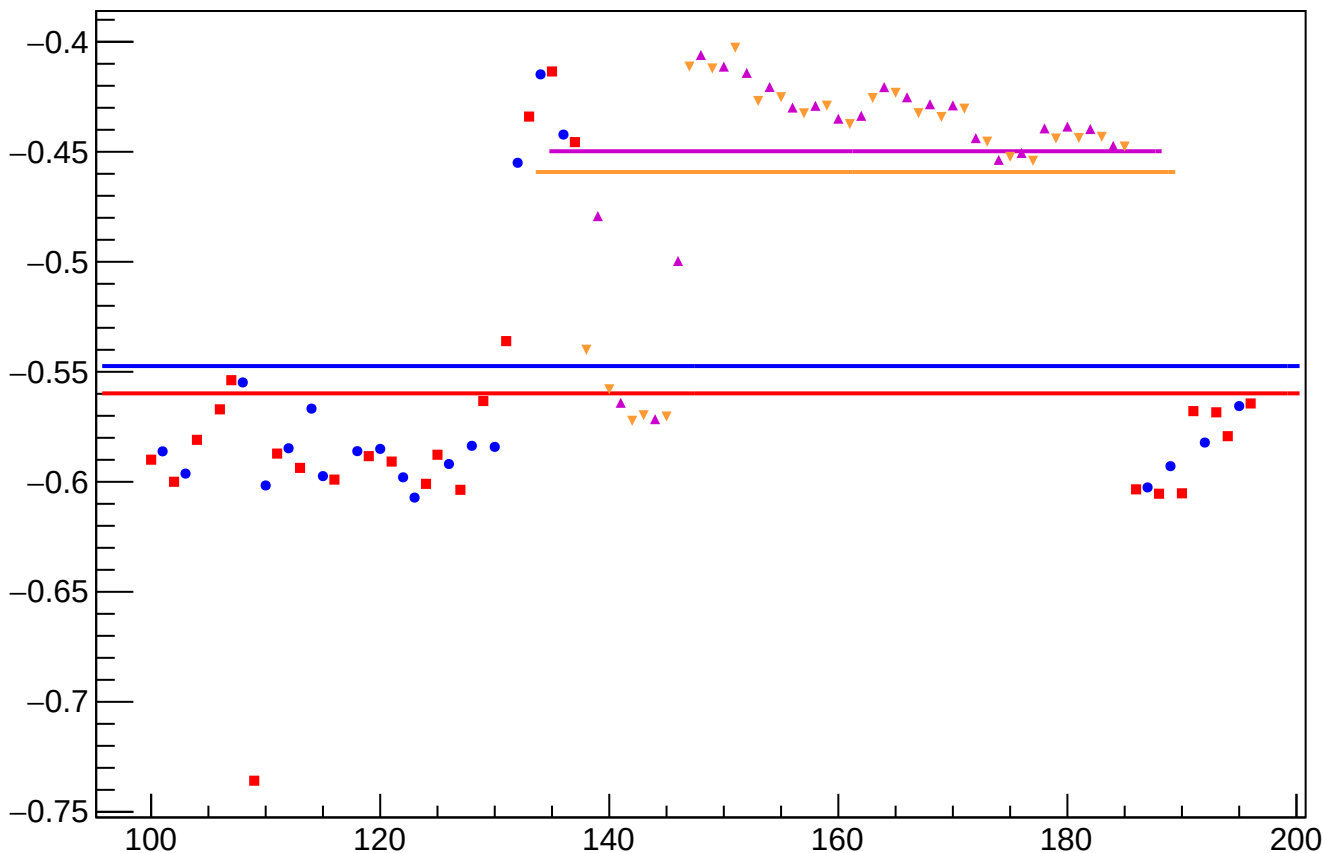
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 46936452.4/45

All: 0.000+/-0.000 χ^2/NDF : 95440159.1/94

- sign 0.000+/-0.000 χ^2/NDF : 48496570.9/48

yield_bpm4aX_mean vs Slug



Right In: -0.547 $\pm$ 0.000 χ^2 /NDF: 47219789.2/20

Left Out: -0.459 $\pm$ 0.000 χ^2 /NDF: 113808762.6/24

Right Out: -0.560 $\pm$ 0.000 χ^2 /NDF: 65245004.8/25

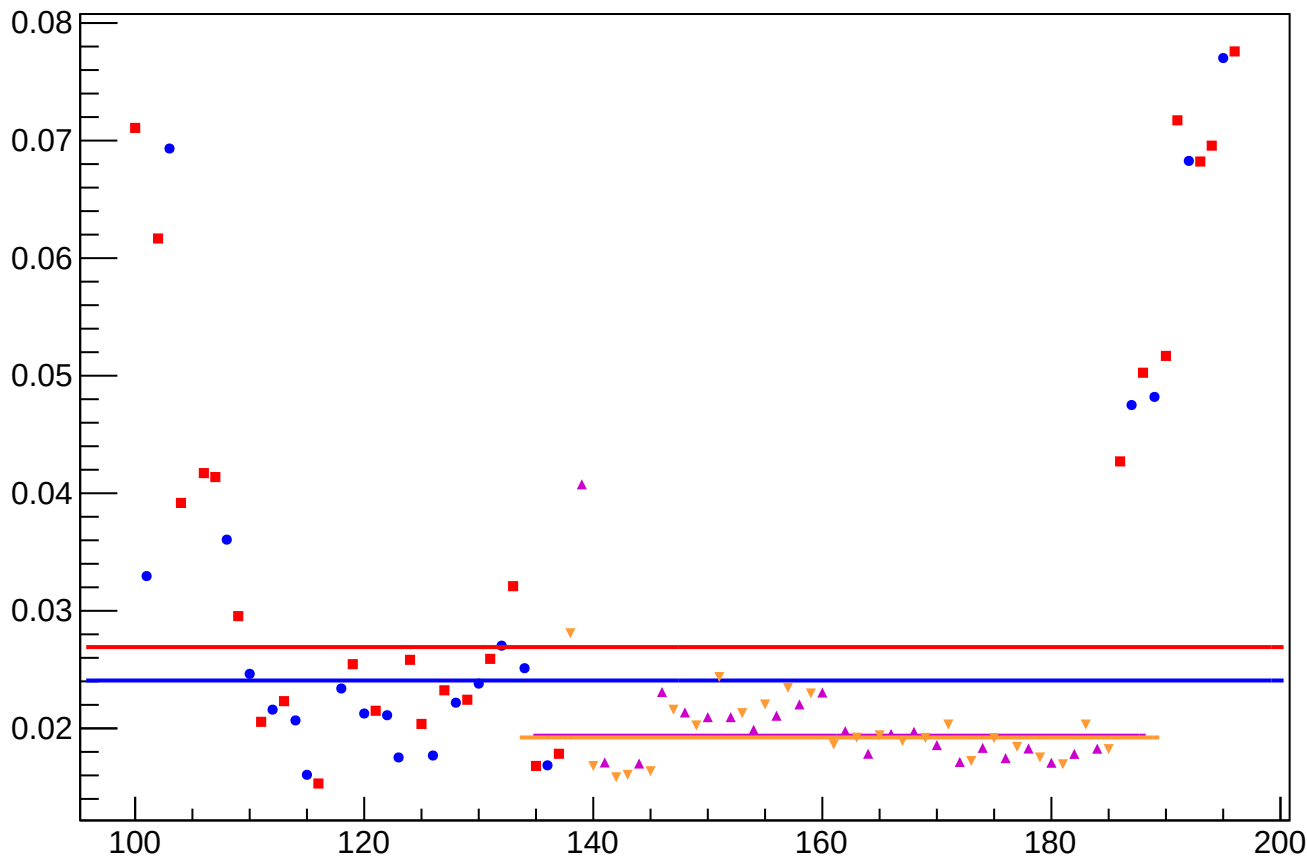
Left In: -0.450 $\pm$ 0.000 χ^2 /NDF: 76151485.7/22

+ sign -0.478 $\pm$ 0.000 χ^2 /NDF: 227956865.5/45

All: -0.476 $\pm$ 0.000 χ^2 /NDF: 472411950.9/94

- sign -0.475 $\pm$ 0.000 χ^2 /NDF: 244179543.4/48

yield_bpm4aX_rms vs Slug



Right In: 0.024 ± 0.000 χ^2/NDF : 2819486.5/20

Left Out: 0.019 ± 0.000 χ^2/NDF : 501253.7/24

Right Out: 0.027 ± 0.000 χ^2/NDF : 4019166.3/25

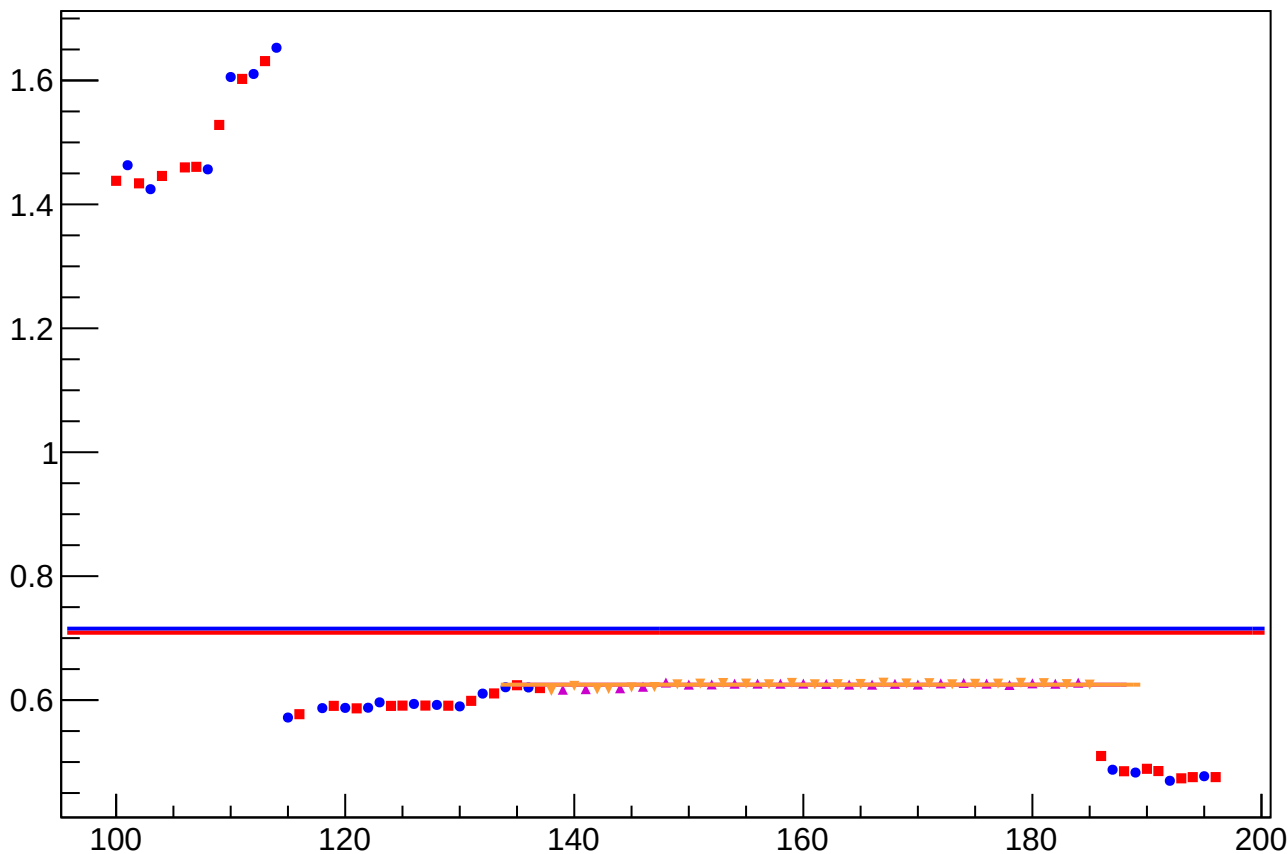
Left In: 0.019 ± 0.000 χ^2/NDF : 656155.9/22

+ sign 0.020 ± 0.000 χ^2/NDF : 3724978.2/45

All: 0.021 ± 0.000 χ^2/NDF : 9398696.9/94

- sign 0.021 ± 0.000 χ^2/NDF : 5639822.2/48

yield_bpm4aY_mean vs Slug



Right In: 0.715+/-0.000 χ^2/NDF : 4235767099.8/20

Left Out: 0.625+/-0.000 χ^2/NDF :1442225.6/24

Right Out: 0.709+/-0.000 χ^2/NDF : 5398336108.5/25

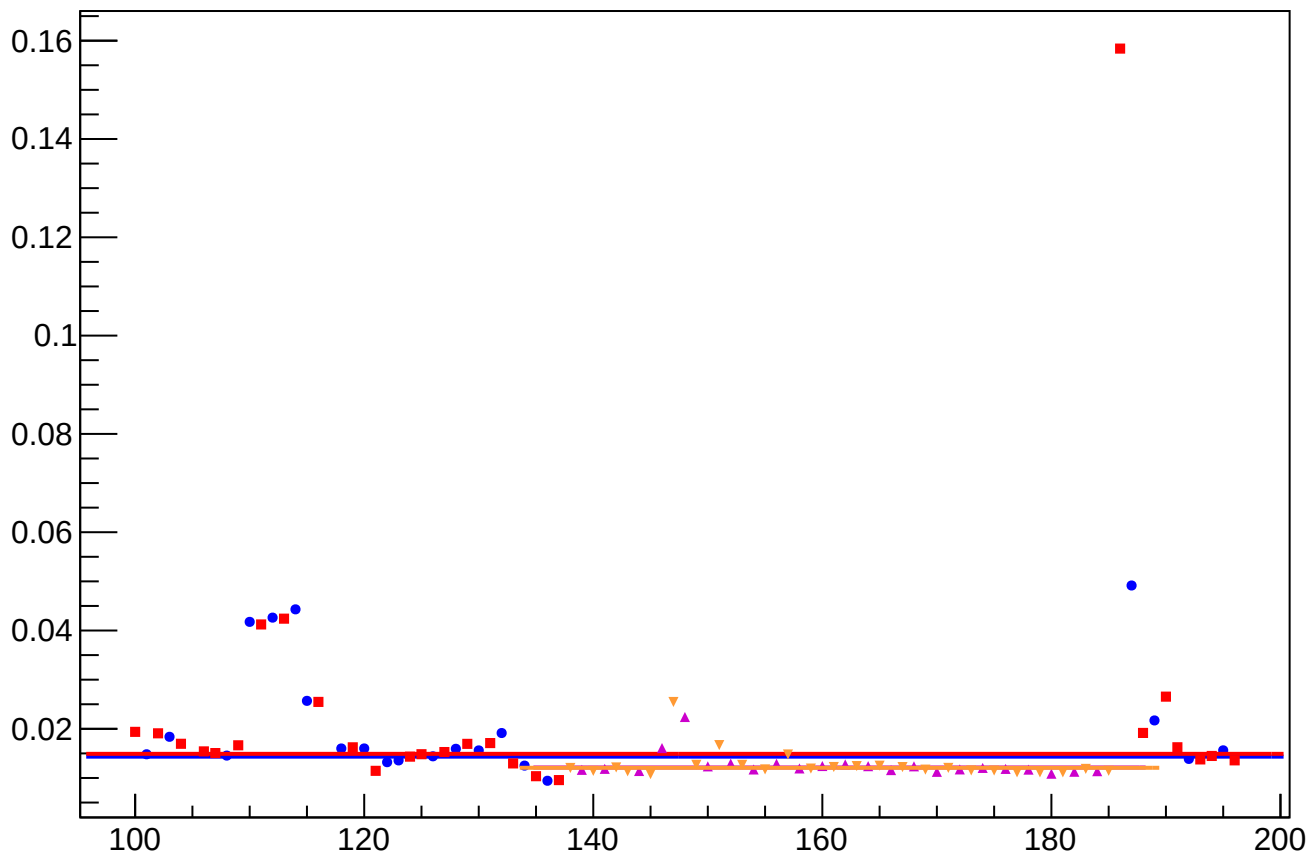
Left In: 0.625+/-0.000 χ^2/NDF :1135039.4/22

+ sign 0.646+/-0.000 χ^2/NDF : 4470287222.0/45

All: 0.647+/-0.000 χ^2/NDF : 10089529051.4/95

- sign 0.648+/-0.000 χ^2/NDF : 5619040845.0/48

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1639245.5/20

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2066856.8/25

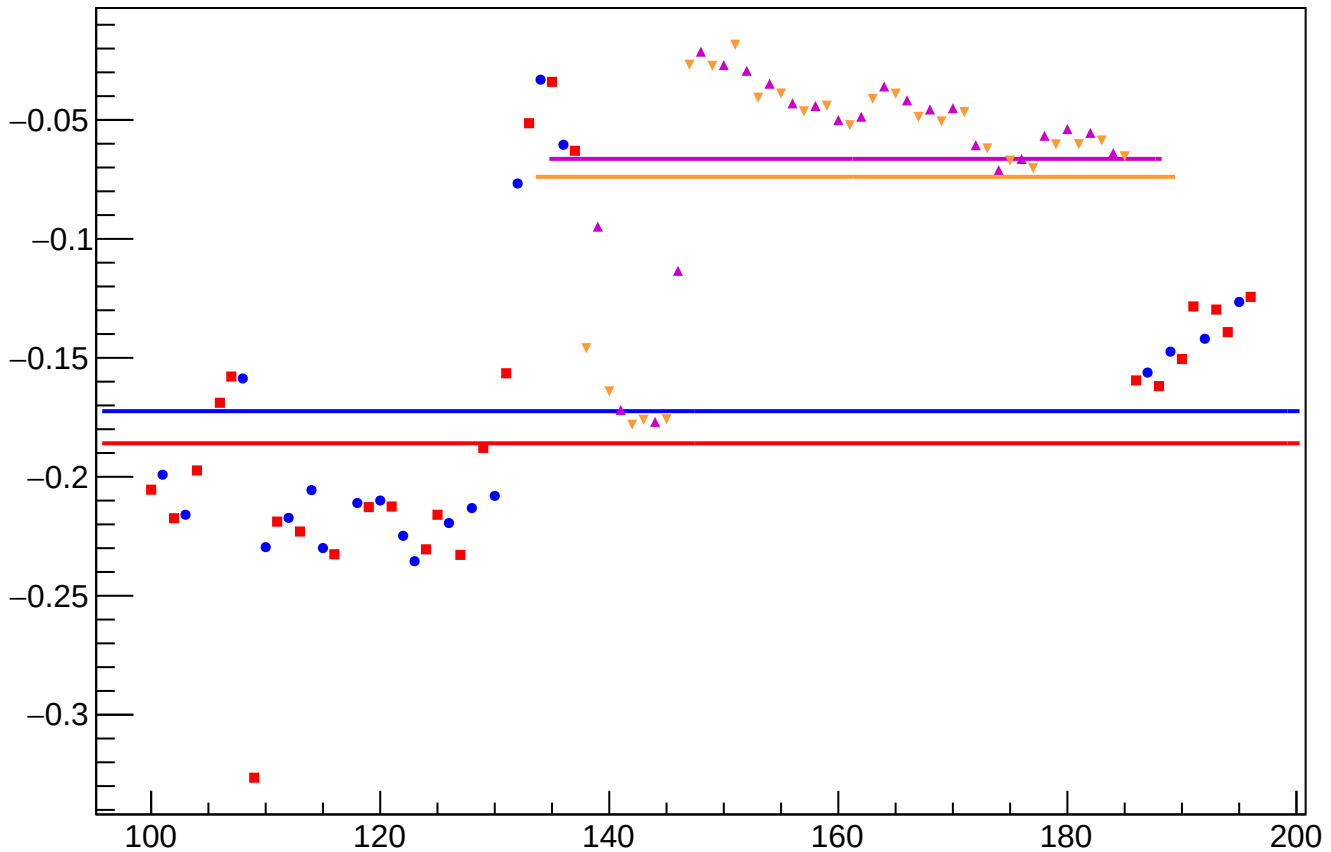
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2589816.8/45

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5638680.8/94

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3035771.0/48

yield_bpm4eX_mean vs Slug



Right In: -0.172+/-0.000 χ^2/NDF : 67466618.5/20

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.186+/-0.000 χ^2/NDF : 83605921.7/25

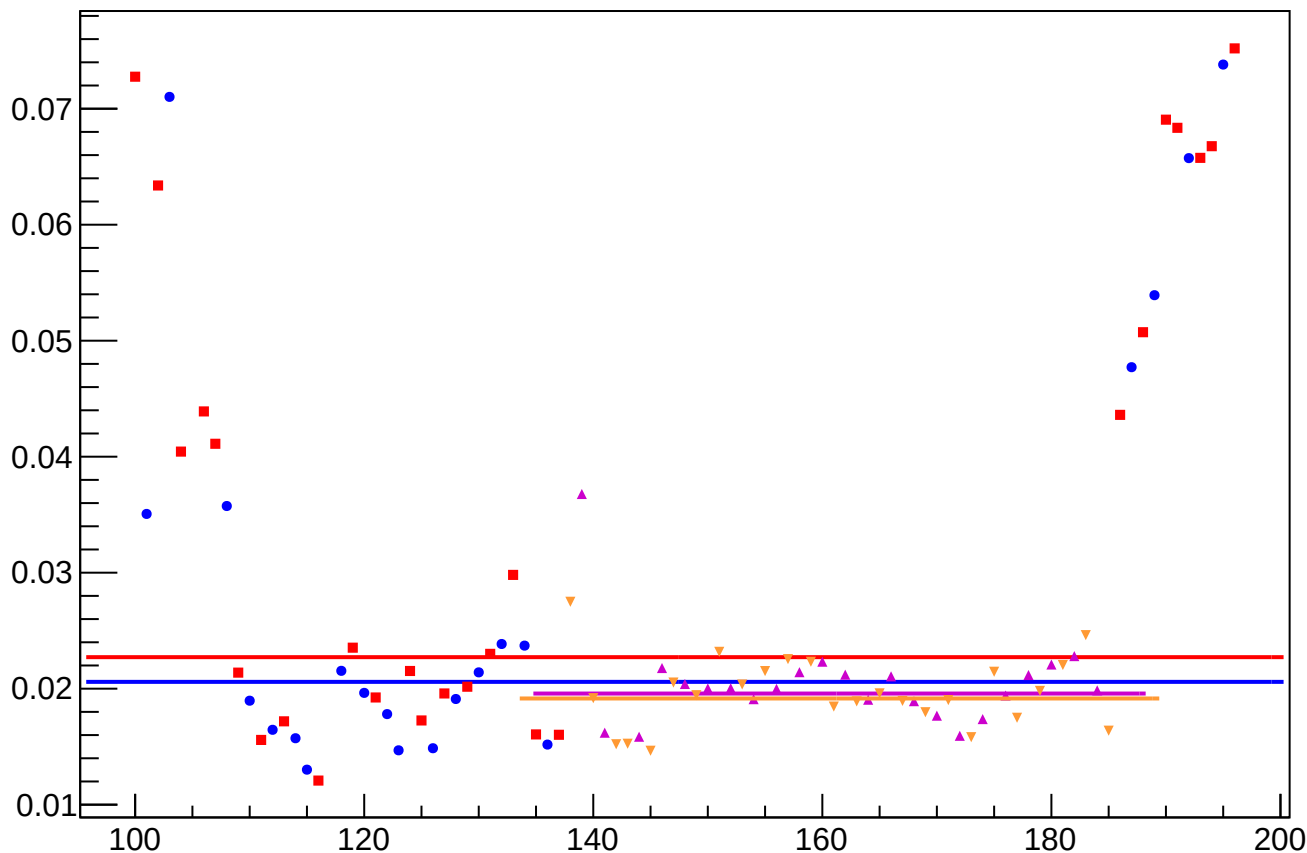
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.099+/-0.000 χ^2/NDF : 278790969.1/45

All: -0.100+/-0.000 χ^2/NDF : 588234942.8/94

- sign -0.100+/-0.000 χ^2/NDF : 309440489.5/48

yield_bpm4eX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 3369372.0/20

Left Out: 0.019+/-0.000 χ^2/NDF : 641027.3/24

Right Out: 0.023+/-0.000 χ^2/NDF : 4986220.6/25

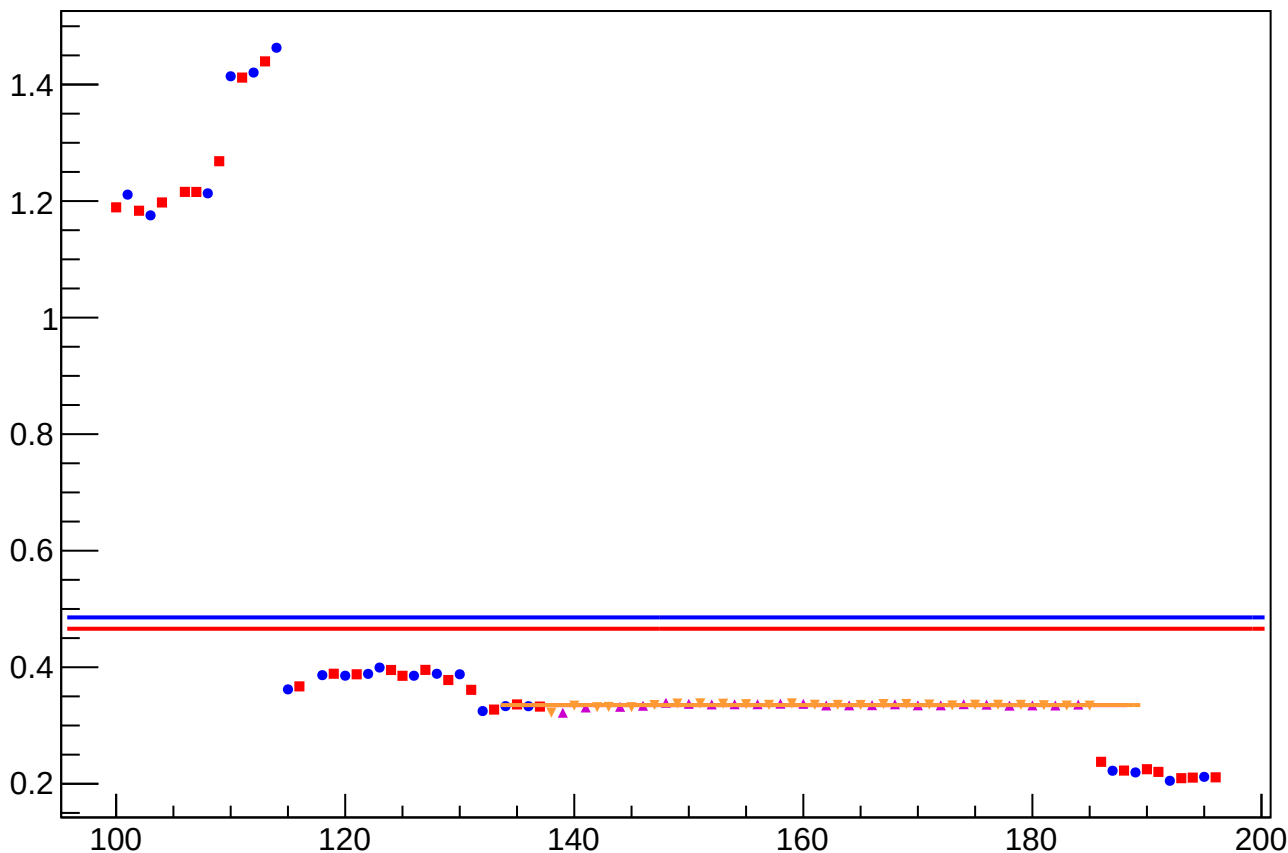
Left In: 0.020+/-0.000 χ^2/NDF : 651328.7/22

+ sign 0.020+/-0.000 χ^2/NDF : 4054155.8/45

All: 0.020+/-0.000 χ^2/NDF : 9944173.8/94

- sign 0.020+/-0.000 χ^2/NDF : 5843437.7/48

yield_bpm4eY_mean vs Slug



Right In: 0.486+/-0.000 χ^2/NDF : 6118270459.7/20

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.466+/-0.000 χ^2/NDF : 7542422719.5/25

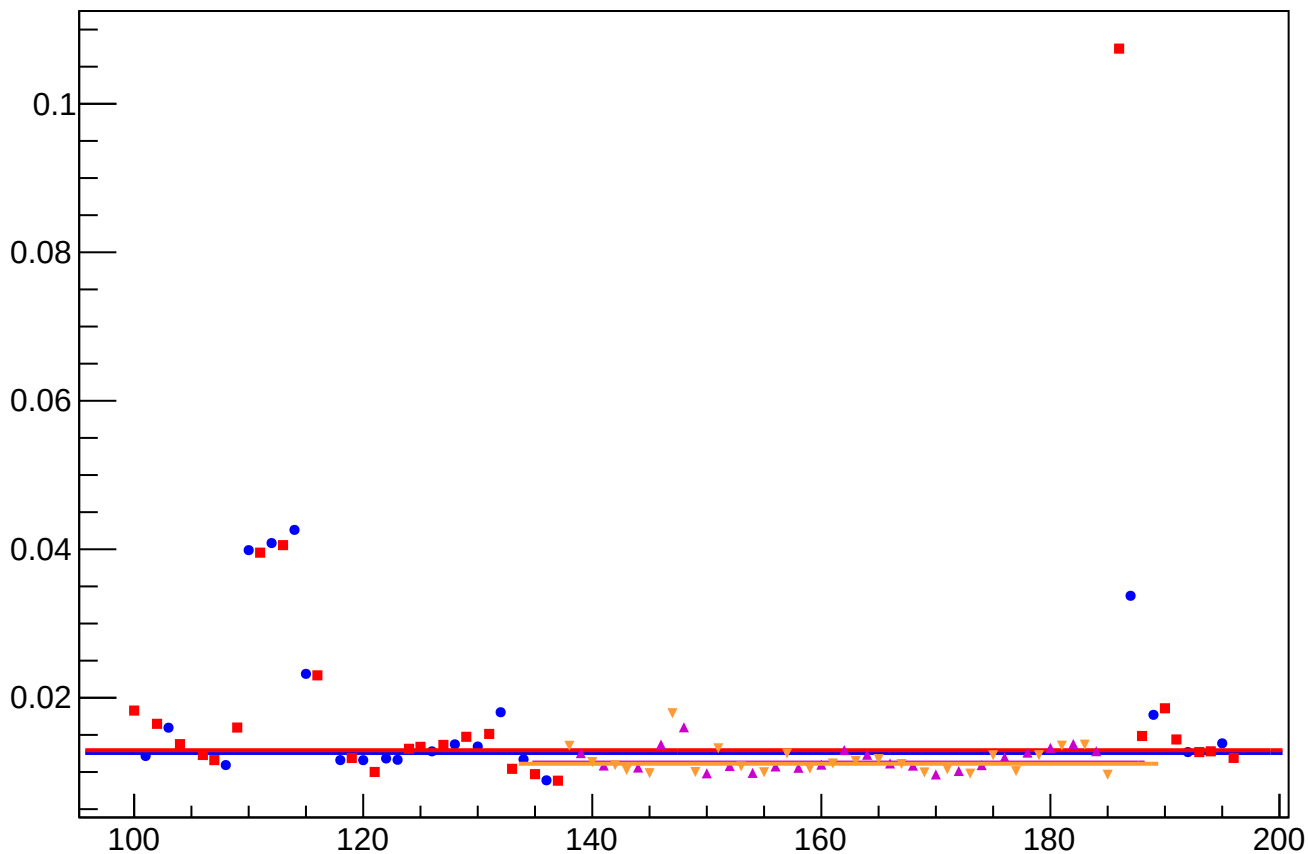
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.374+/-0.000 χ^2/NDF : 6941430310.0/45

All: 0.374+/-0.000 χ^2/NDF : 15167266246.0/95

- sign 0.375+/-0.000 χ^2/NDF : 8225712364.2/48

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1508768.1/20

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1927898.5/25

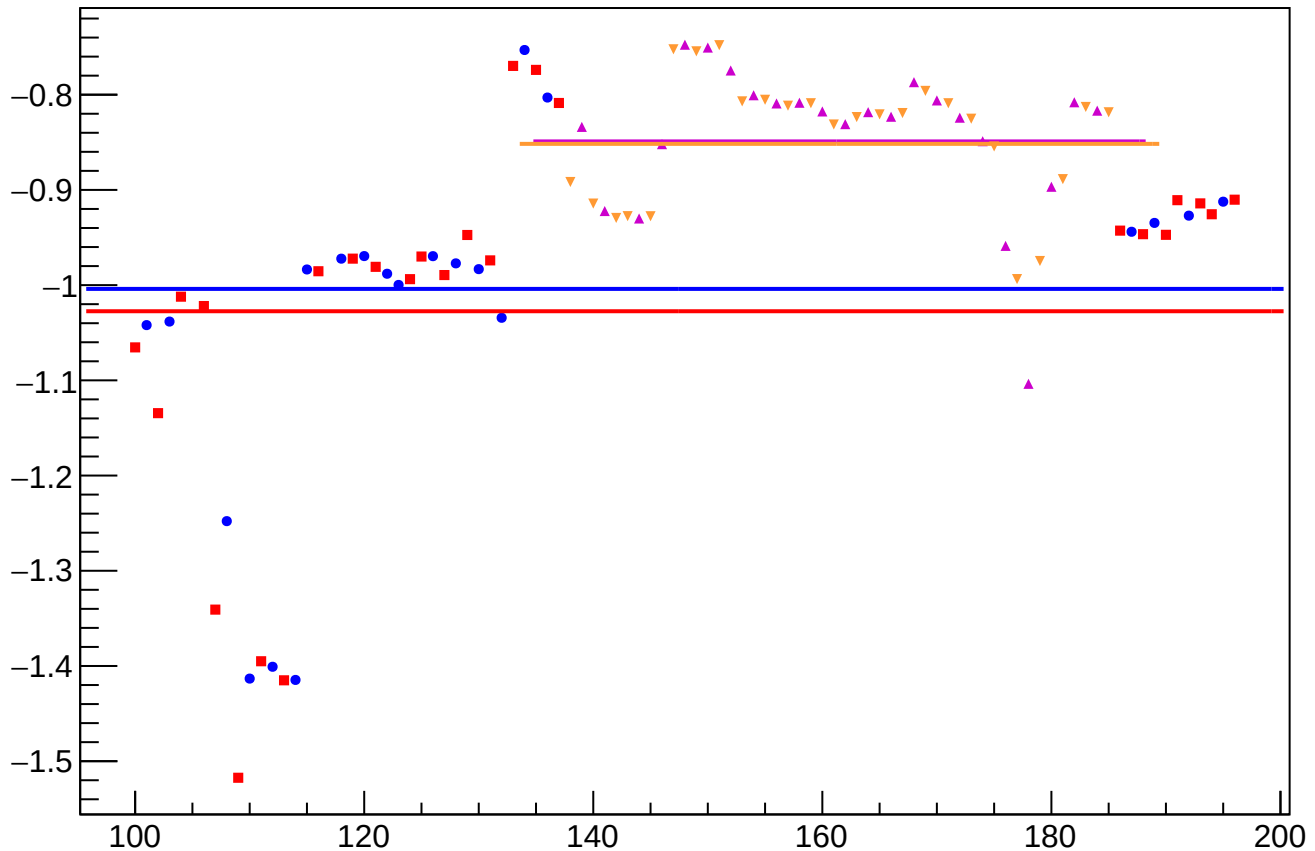
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502226.7/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2270284.1/45

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4935878.3/94

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2649630.4/48

yield_bpm4acX_mean vs Slug



Right In: -1.004 ± 0.000 χ^2/NDF : 396786346.1/20

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.027 ± 0.000 χ^2/NDF : 546829773.8/25

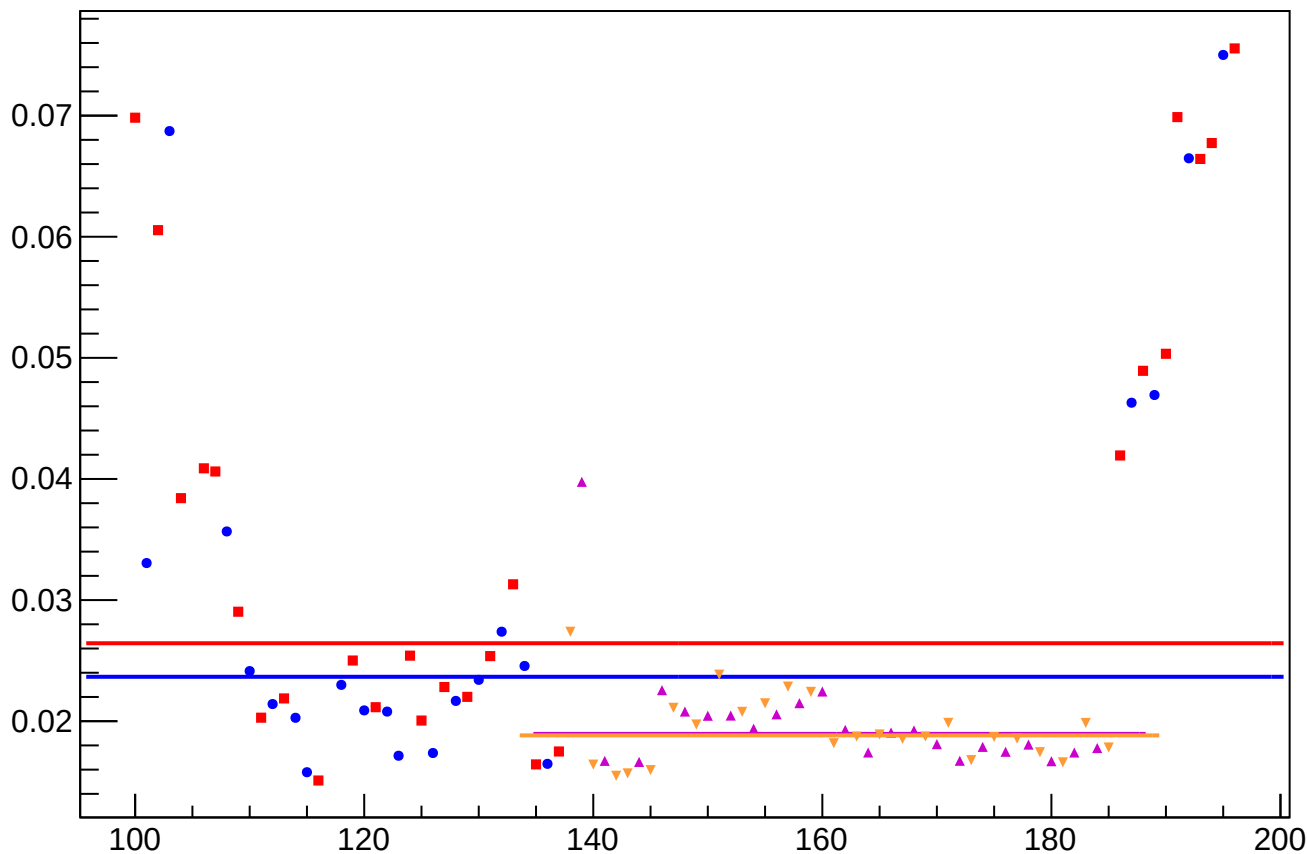
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792886234.1/45

All: -0.887 ± 0.000 χ^2/NDF : 1877423497.3/9

- sign -0.889 ± 0.000 χ^2/NDF : 1083828728.8/48

yield_bpm4acX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2/NDF : 2825791.9/20

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF : 490084.5/24

Right Out: 0.026 $\pm$ 0.000 χ^2/NDF : 3985621.4/25

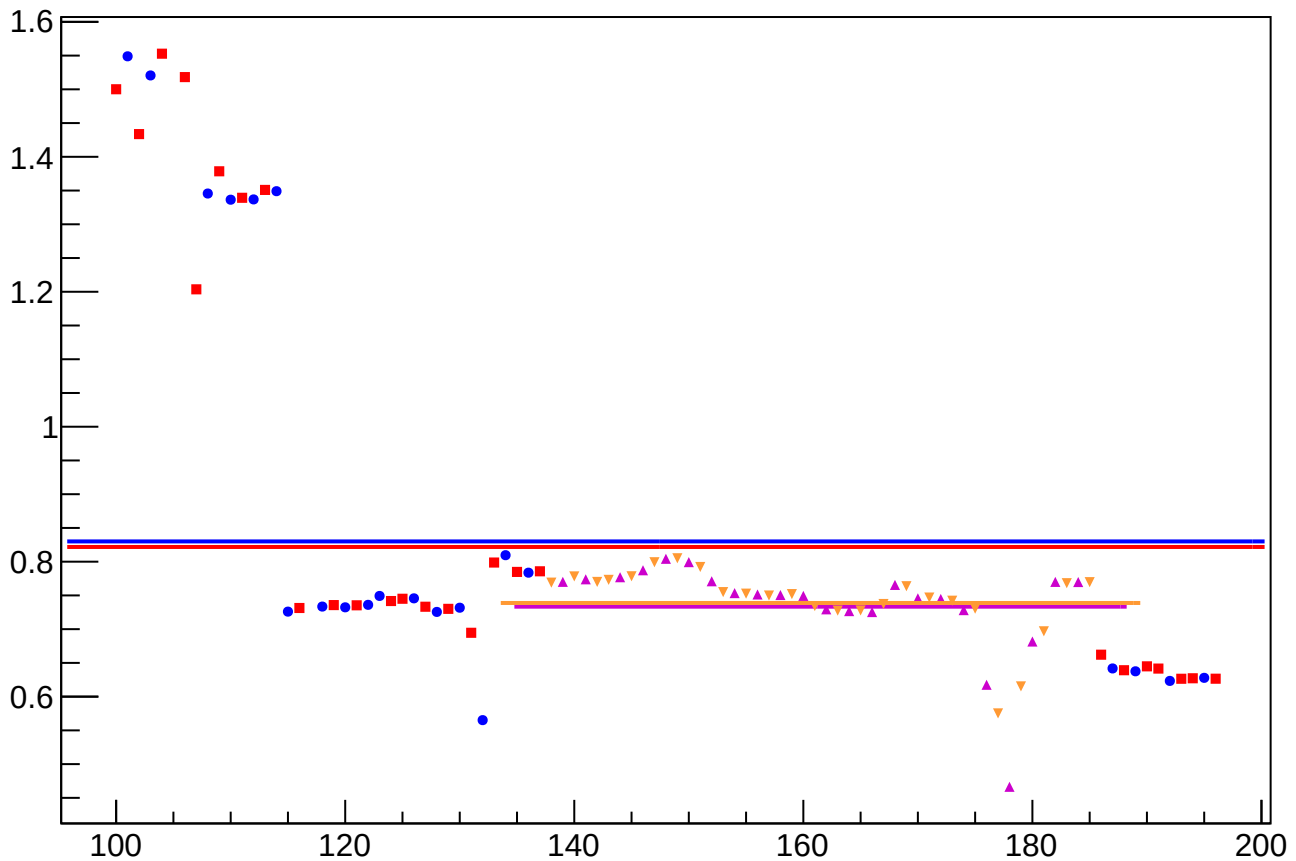
Left In: 0.019 $\pm$ 0.000 χ^2/NDF : 645048.1/22

+ sign 0.020 $\pm$ 0.000 χ^2/NDF : 3733270.5/45

All: 0.020 $\pm$ 0.000 χ^2/NDF : 9383835.9/94

- sign 0.021 $\pm$ 0.000 χ^2/NDF : 5619012.9/48

yield_bpm4acY_mean vs Slug



Right In: 0.830 ± 0.000 χ^2/NDF : 2877377032.3/20

Left Out: 0.739 ± 0.000 χ^2/NDF : 333086309.0/24

+ sign 0.760 ± 0.000 χ^2/NDF : 3442433005.5/45

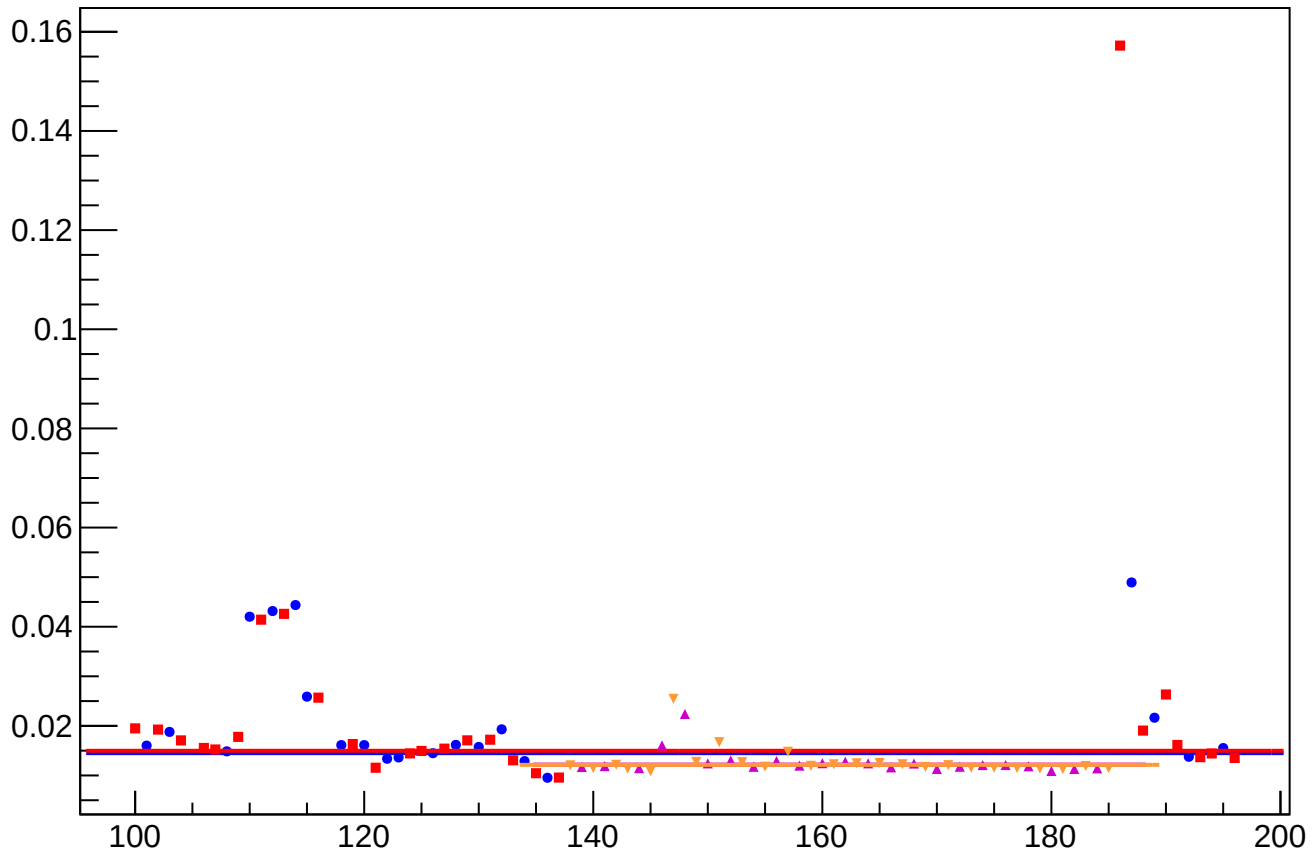
Right Out: 0.822 ± 0.000 χ^2/NDF : 3301996814.3/25

All: 0.759 ± 0.000 χ^2/NDF : 7557022556.6/94

- sign 0.757 ± 0.000 χ^2/NDF : 4114076664.9/48

Left In: 0.733 ± 0.000 χ^2/NDF : 570264411.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1639699.9/20

Left Out: 0.012+/-0.000 χ^2/NDF : 638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2070377.4/25

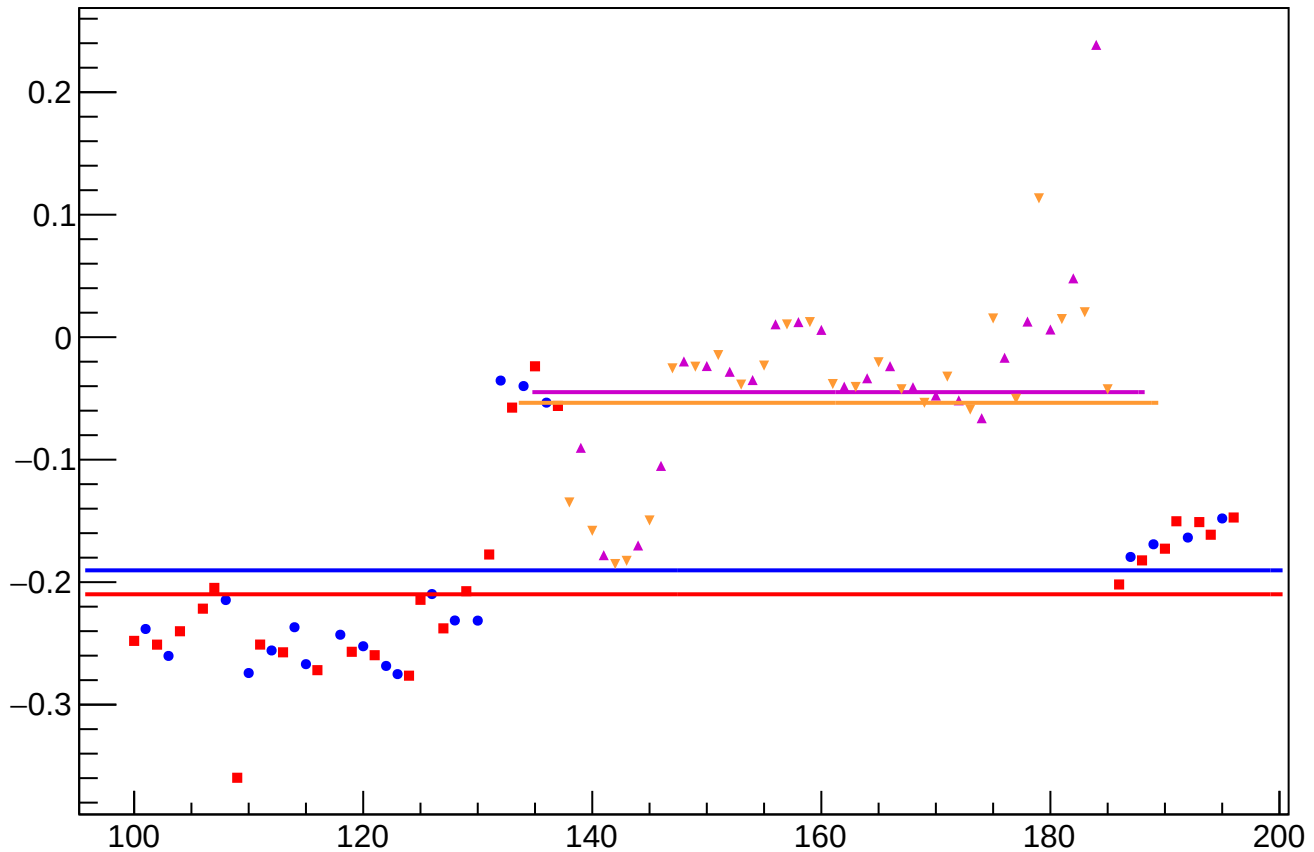
Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 2588719.9/45

All: 0.013+/-0.000 χ^2/NDF : 5630583.0/94

- sign 0.013+/-0.000 χ^2/NDF : 3031335.2/48

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 χ^2/NDF : 106445379.0/20

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.210 ± 0.000 χ^2/NDF : 111791156.2/25

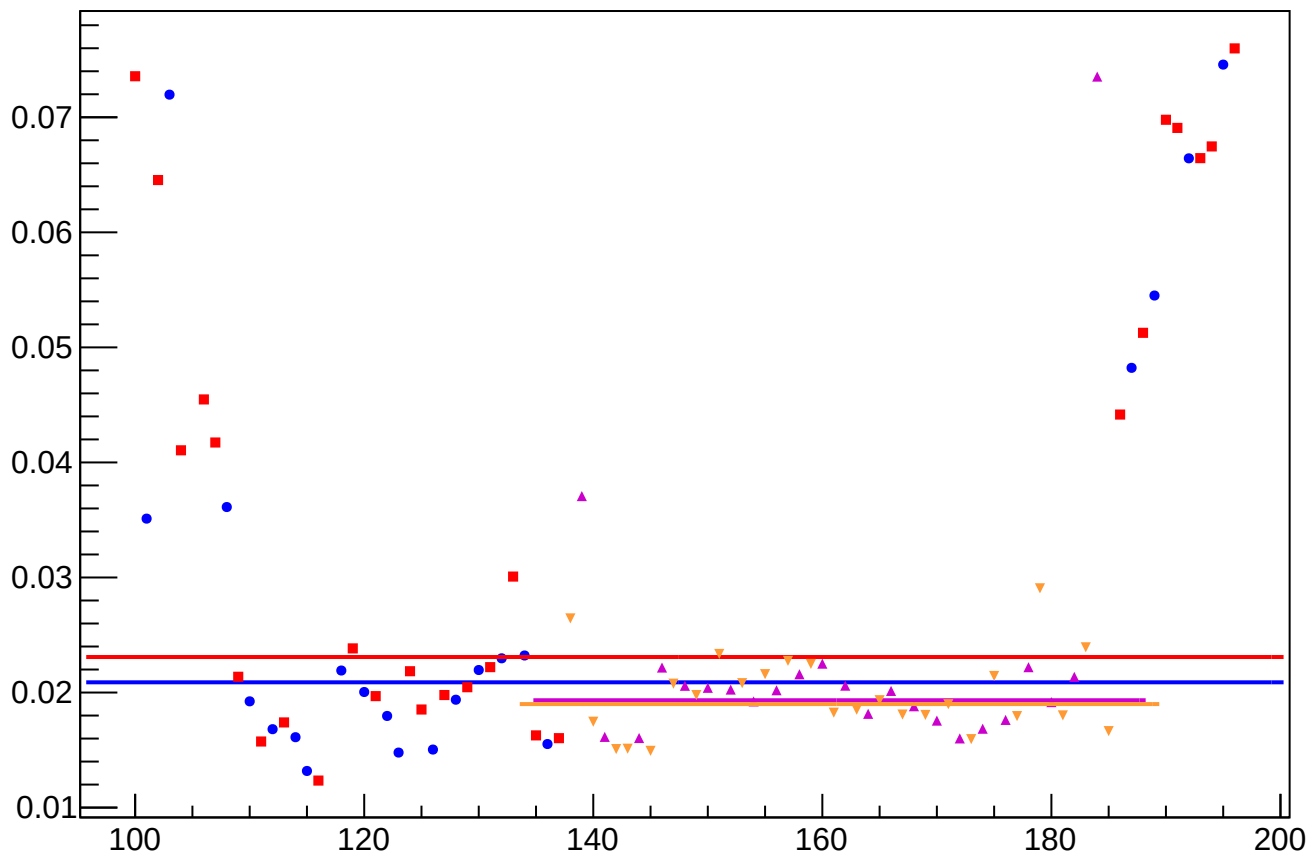
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.089 ± 0.000 χ^2/NDF : 469074609.7/45

All: -0.089 ± 0.000 χ^2/NDF : 986397288.1/94

- sign -0.090 ± 0.000 χ^2/NDF : 517272712.9/48

yield_bpm4ecX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 3332855.8/20

Left Out: 0.019+/-0.000 χ^2/NDF : 699267.5/24

Right Out: 0.023+/-0.000 χ^2/NDF : 4957618.8/25

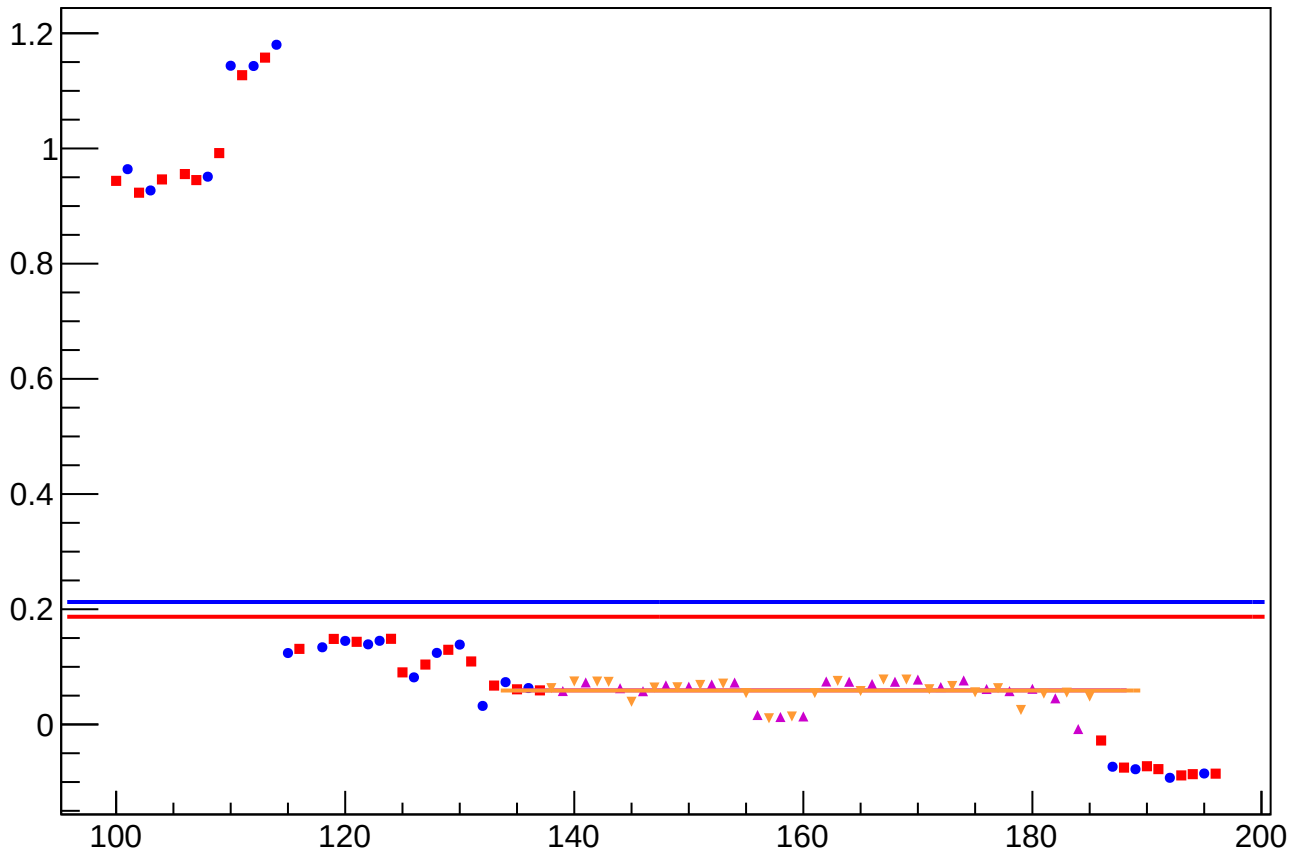
Left In: 0.019+/-0.000 χ^2/NDF : 892810.7/22

+ sign 0.019+/-0.000 χ^2/NDF : 4106644.4/45

All: 0.020+/-0.000 χ^2/NDF : 10286175.4/94

- sign 0.020+/-0.000 χ^2/NDF : 6138848.9/48

yield_bpm4ecY_mean vs Slug



Right In: 0.213+/-0.000 χ^2/NDF : 6480775969.5/20

Left Out: 0.059+/-0.000 χ^2/NDF : 46902918.4/24

+ sign 0.098+/-0.000 χ^2/NDF : 7398691170.0/45

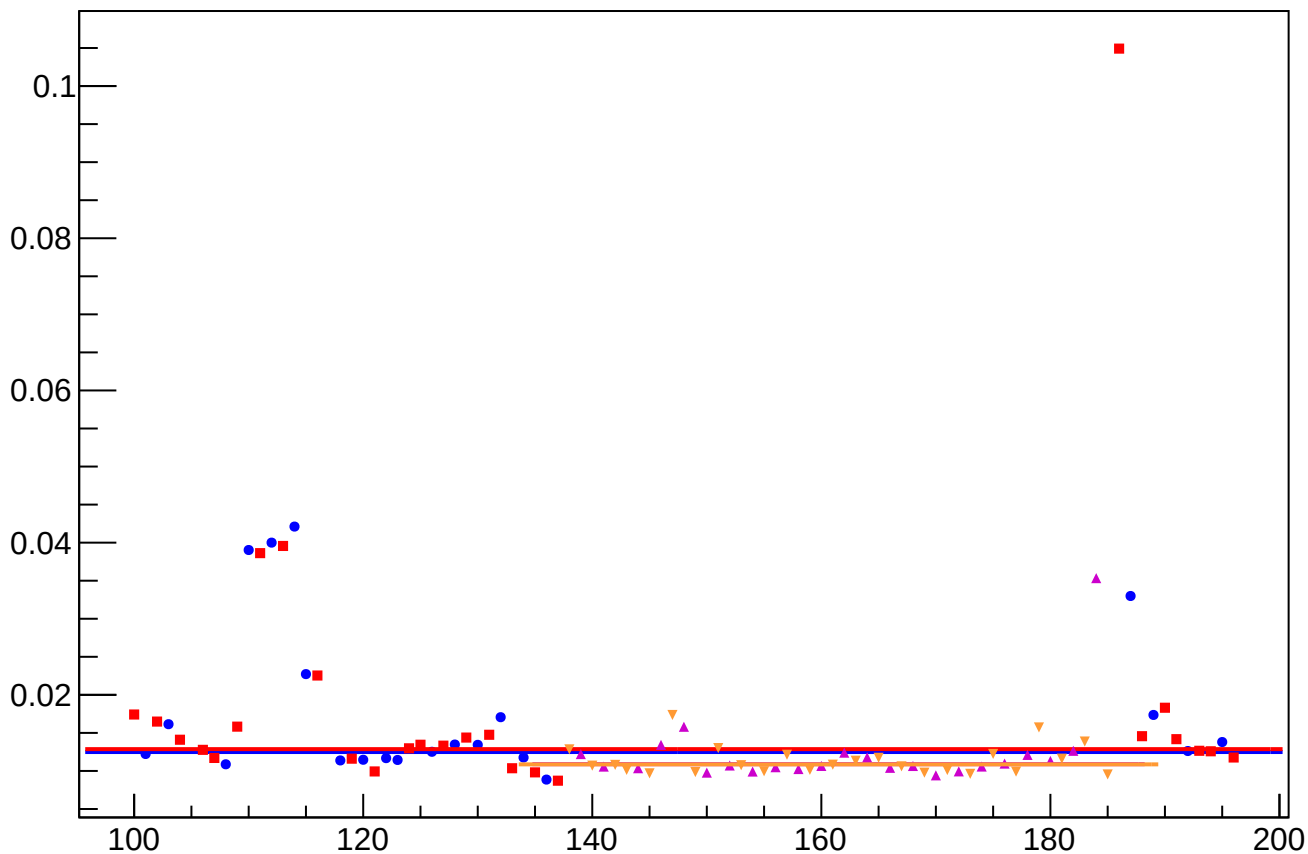
Right Out: 0.187+/-0.000 χ^2/NDF : 7864786863.0/25

All: 0.098+/-0.000 χ^2/NDF : 15984923763.3/95

- sign 0.097+/-0.000 χ^2/NDF : 8586107969.5/48

Left In: 0.059+/-0.000 χ^2/NDF : 58640898.5/22

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1475796.2/20

Left Out: 0.011+/-0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1885915.7/25

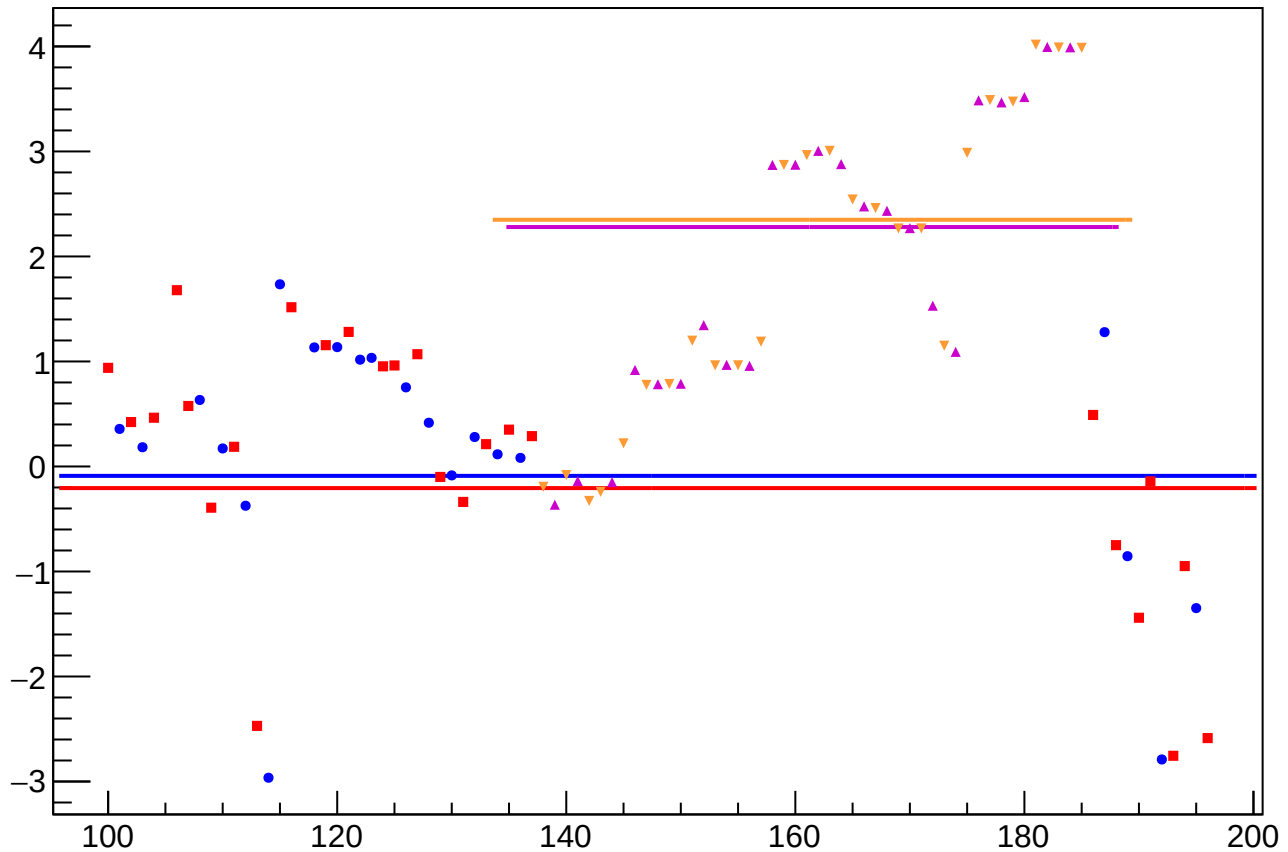
Left In: 0.011+/-0.000 χ^2/NDF : 529867.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 2275096.0/45

All: 0.011+/-0.000 χ^2/NDF : 5014940.1/94

- sign 0.011+/-0.000 χ^2/NDF : 2732218.2/48

yield_bpm1X_mean vs Slug



Right In: -0.089 ± 0.000 $\chi^2/\text{NDF}: 2767185897.1/20$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.206 ± 0.000 $\chi^2/\text{NDF}: 4160253661.8/25$

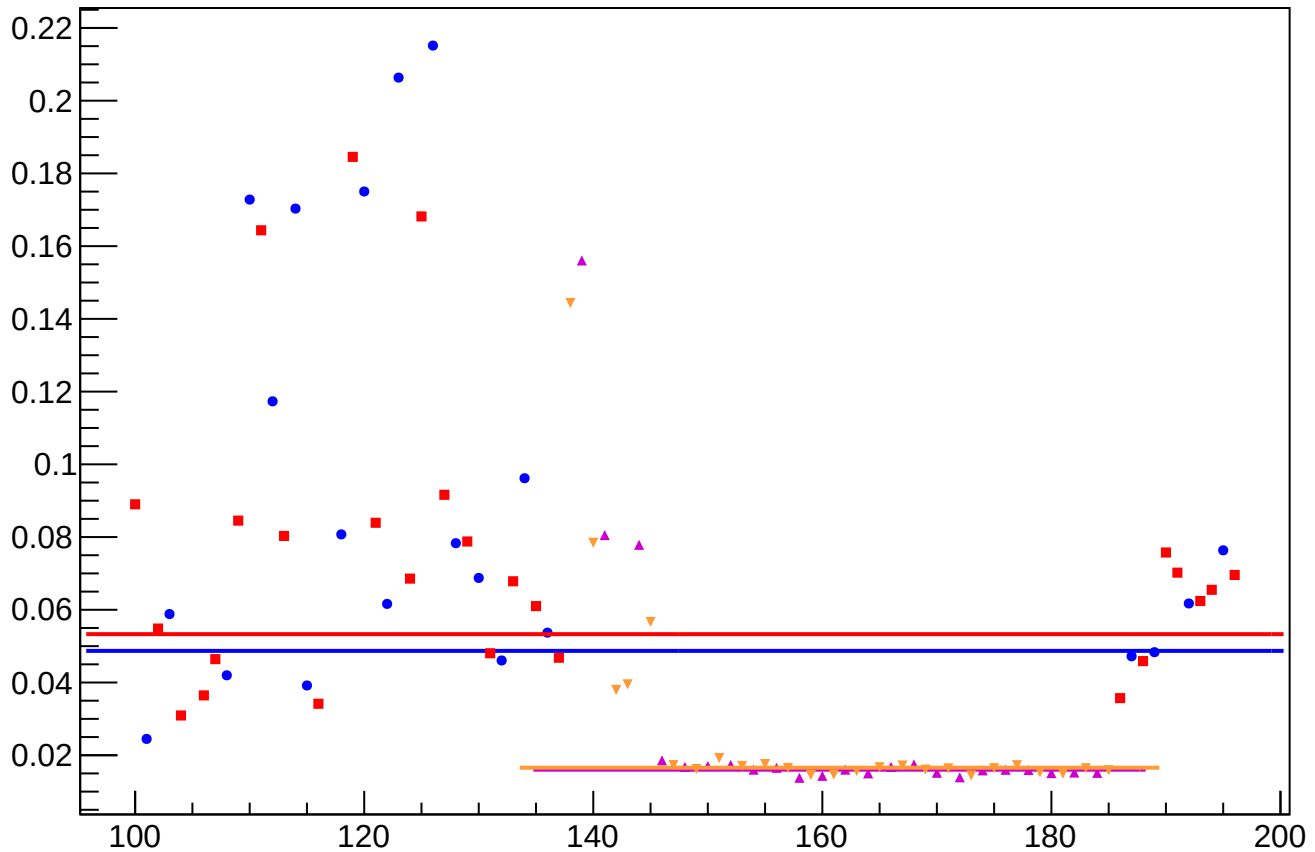
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.243 ± 0.000 $\chi^2/\text{NDF}: 79652716060.0/45$

All: 2.198 ± 0.000 $\chi^2/\text{NDF}: 161662654103.7$

- sign 2.155 ± 0.000 $\chi^2/\text{NDF}: 81801794802.8/48$

yield_bpm1X_rms vs Slug



Right In: 0.049 $\pm$ 0.000 χ^2 /NDF: 3114053.1/20

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2634886.8/25

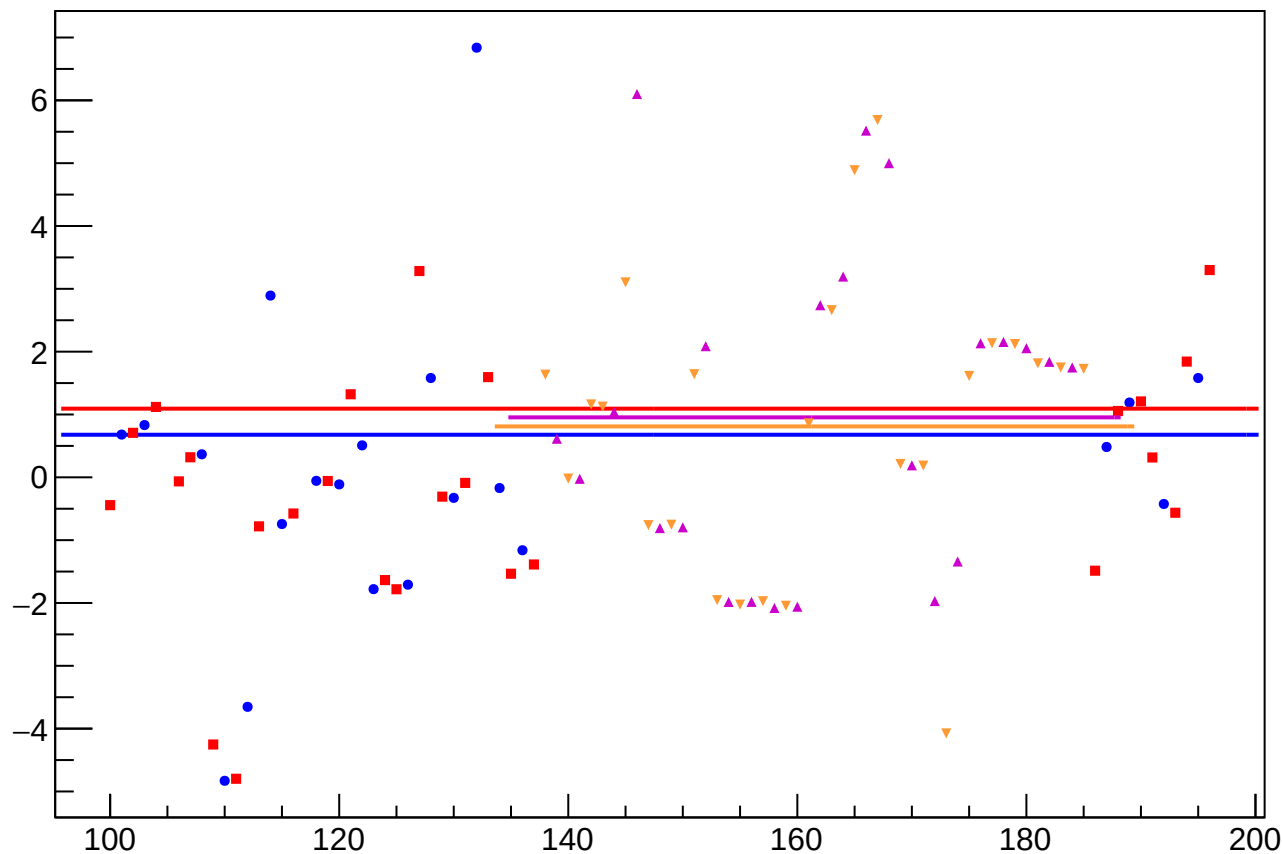
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 10347246.5/45

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 22727225.3/94

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 12379650.1/48

yield_bpm1Y_mean vs Slug



Right In: 0.678+/-0.000 χ^2/NDF : 15584582030.6/20

Left Out: 0.810+/-0.000 χ^2/NDF : 507583198570.2/24

Right Out: 1.093+/-0.000 χ^2/NDF : 22462606691.4/25

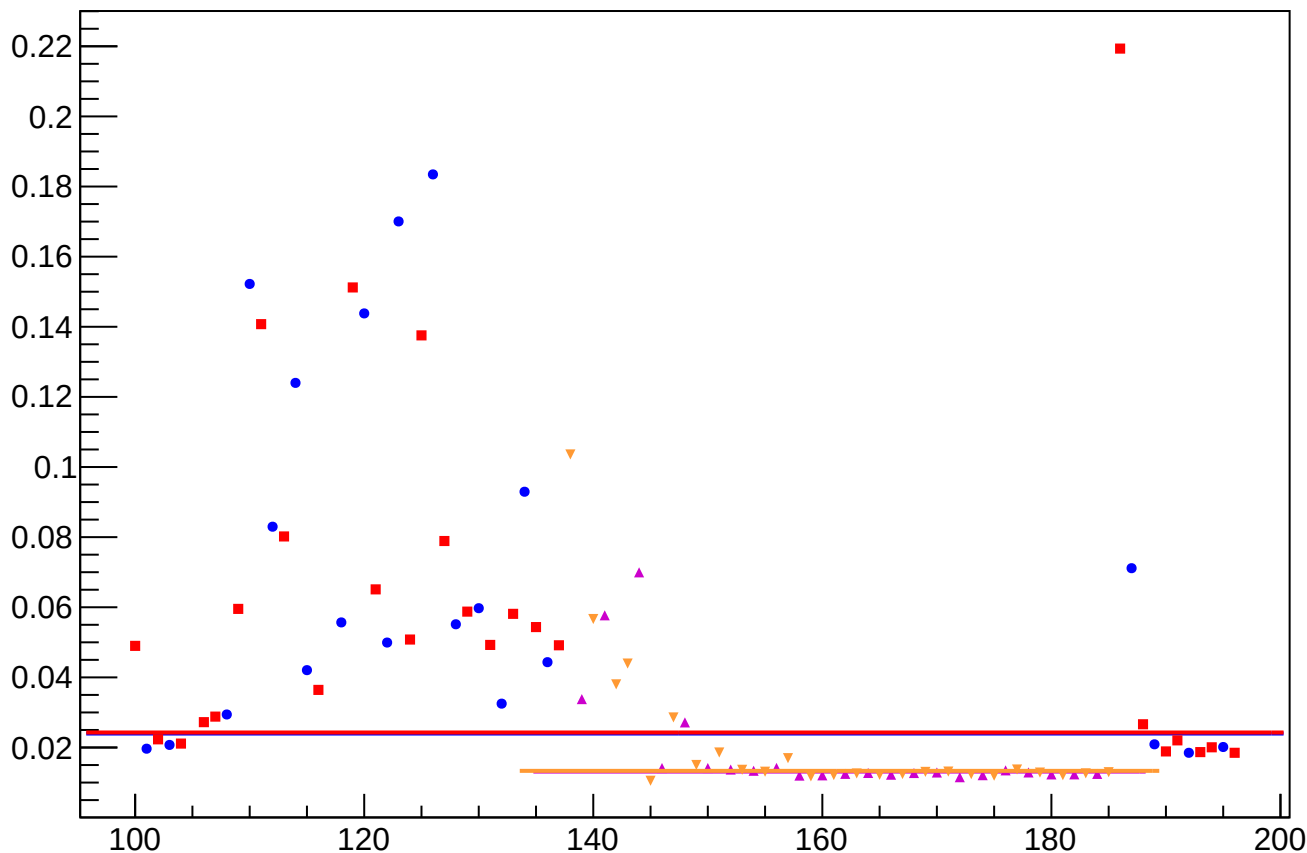
Left In: 0.954+/-0.000 χ^2/NDF : 574792794608.3/22

+ sign 0.798+/-0.000 χ^2/NDF : 523309567131.4/45

All: 0.886+/-0.000 χ^2/NDF : 1122182307655.

- sign 0.970+/-0.000 χ^2/NDF : 597448168882.8/48

yield_bpm1Y_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 3524234.8/20

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829070.5/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 4552370.1/25

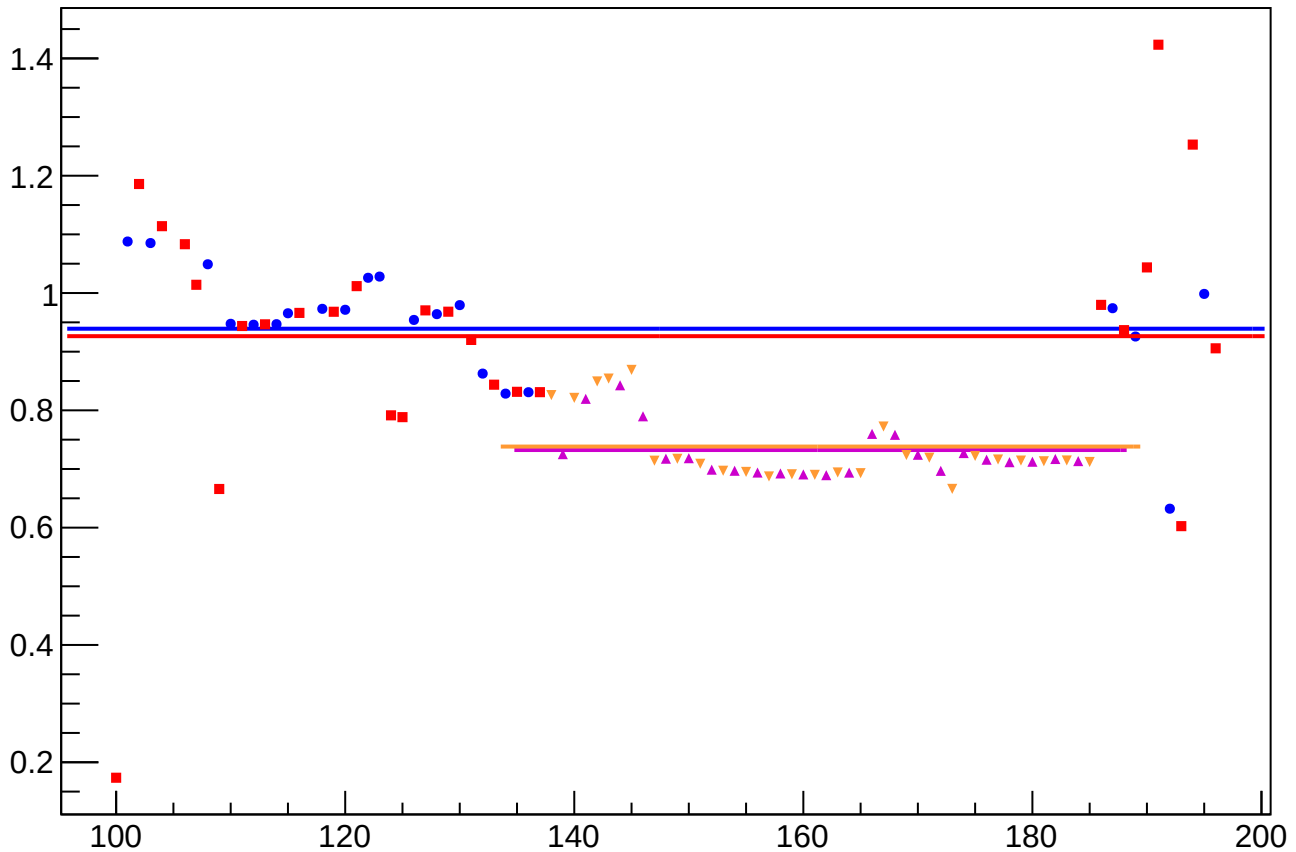
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8178126.0/45

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 17196478.6/94

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 9017503.4/48

yield_bpm11X_mean vs Slug



Right In: 0.939 ± 0.000 χ^2/NDF : 300254654.1/20

Left Out: 0.738 ± 0.000 χ^2/NDF : 310610047.7/24

+ sign 0.794 ± 0.000 χ^2/NDF : 1571359945.1/45

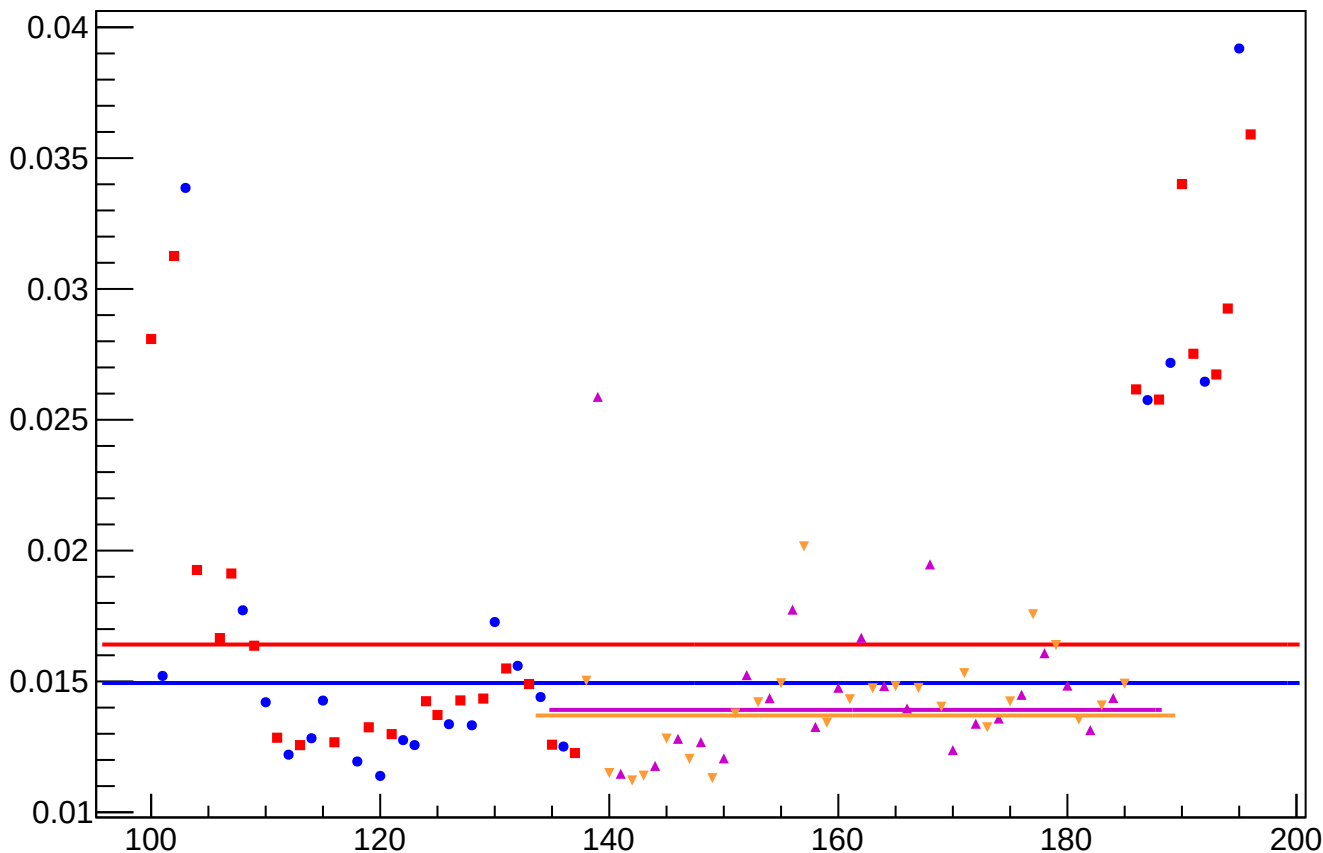
Right Out: 0.926 ± 0.000 χ^2/NDF : 660752471.2/25

All: 0.792 ± 0.000 χ^2/NDF : 3306514376.9/94

- sign 0.790 ± 0.000 χ^2/NDF : 1734517041.6/48

Left In: 0.732 ± 0.000 χ^2/NDF : 170806298.1/22

yield_bpm11X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1758713.4/20

Left Out: 0.014+/-0.000 χ^2/NDF : 530851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF : 2265351.9/25

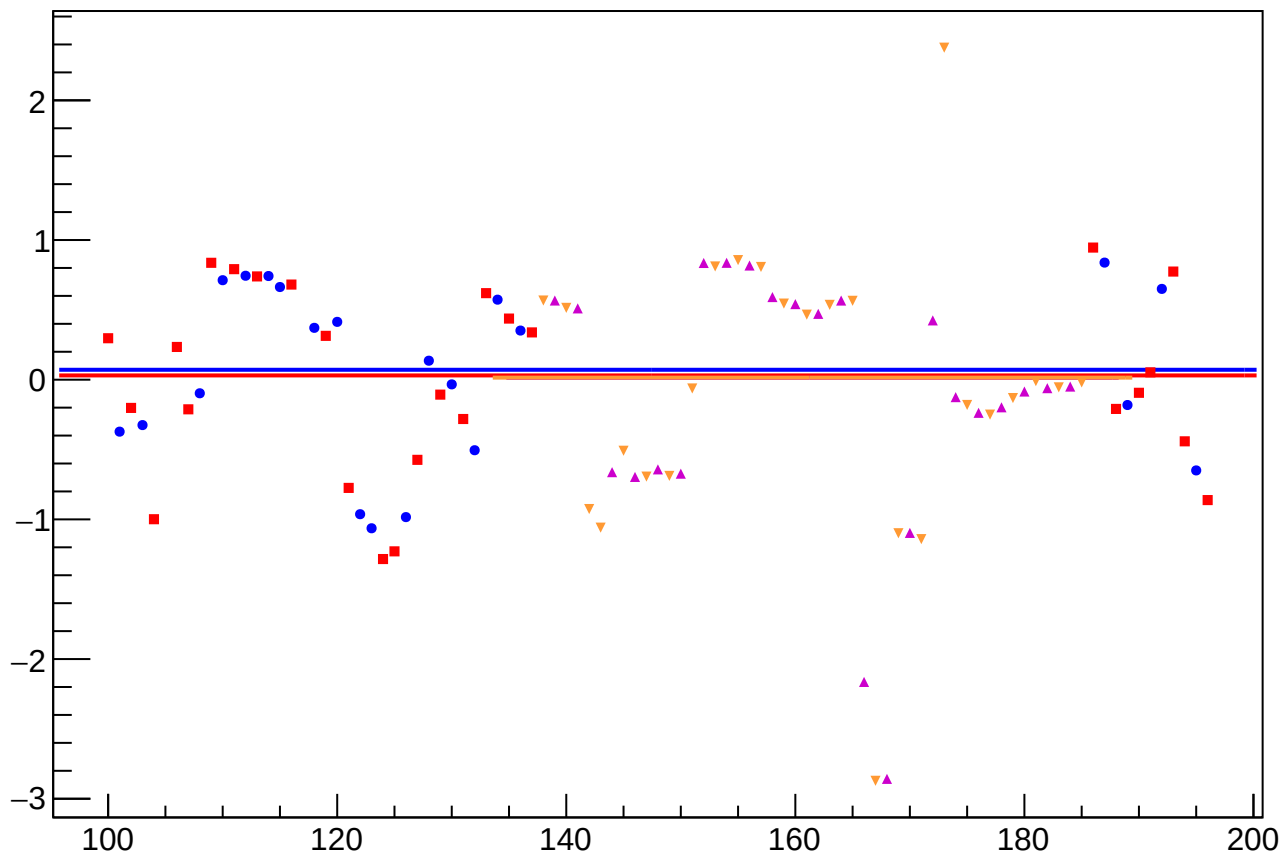
Left In: 0.014+/-0.000 χ^2/NDF : 794558.0/22

+ sign 0.014+/-0.000 χ^2/NDF : 2362976.8/45

All: 0.014+/-0.000 χ^2/NDF : 5766718.1/94

- sign 0.015+/-0.000 χ^2/NDF : 3359107.8/48

yield_bpm11Y_mean vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 12192121629.2/20

Left Out: 0.015+/-0.000 χ^2/NDF : 96087835995.8/24

Right Out: 0.031+/-0.000 χ^2/NDF : 22609521795.3/25

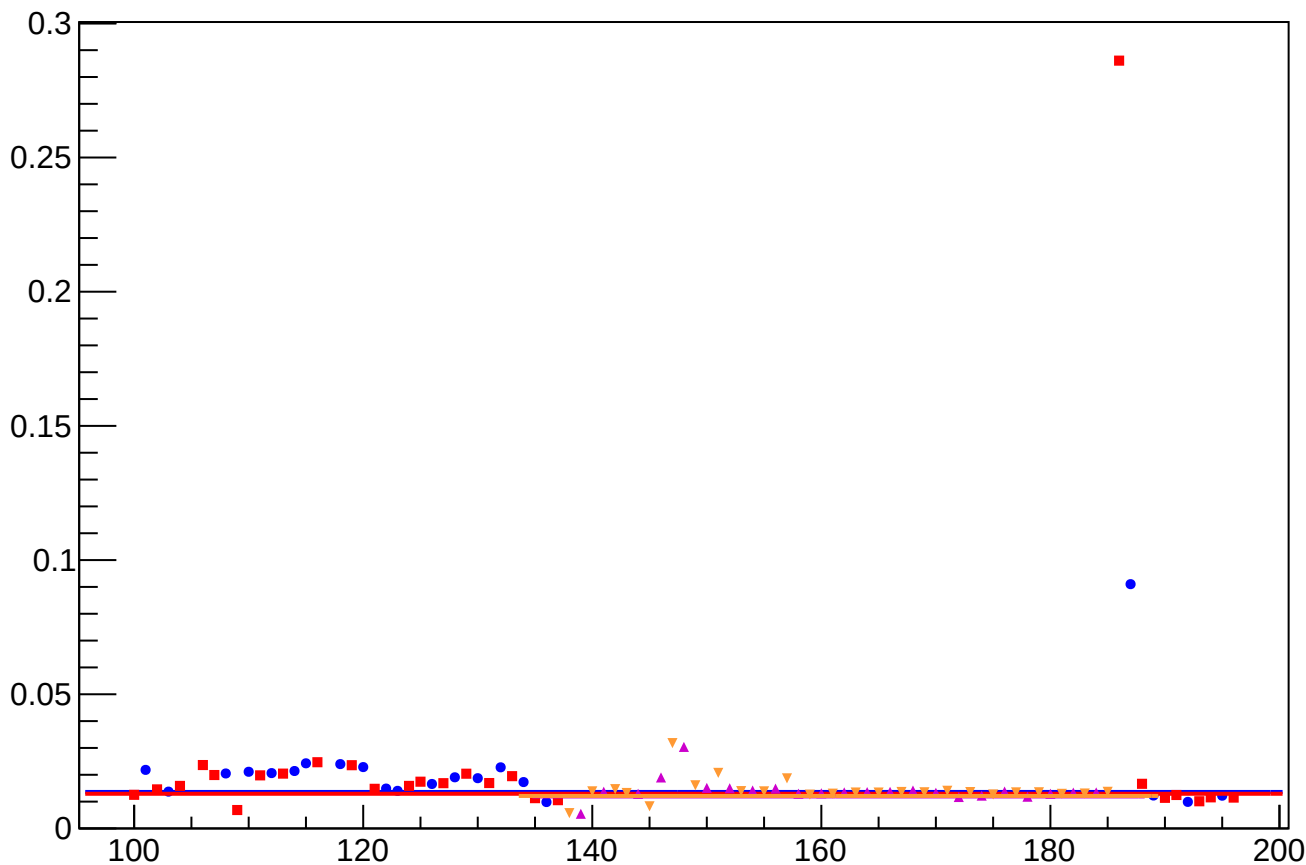
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.030+/-0.000 χ^2/NDF : 108372786831.9/45

All: 0.024+/-0.000 χ^2/NDF : 210448129791.9

- sign 0.019+/-0.000 χ^2/NDF : 102066125012.1/48

yield_bpm11Y_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1771546.4/20

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2481275.8/25

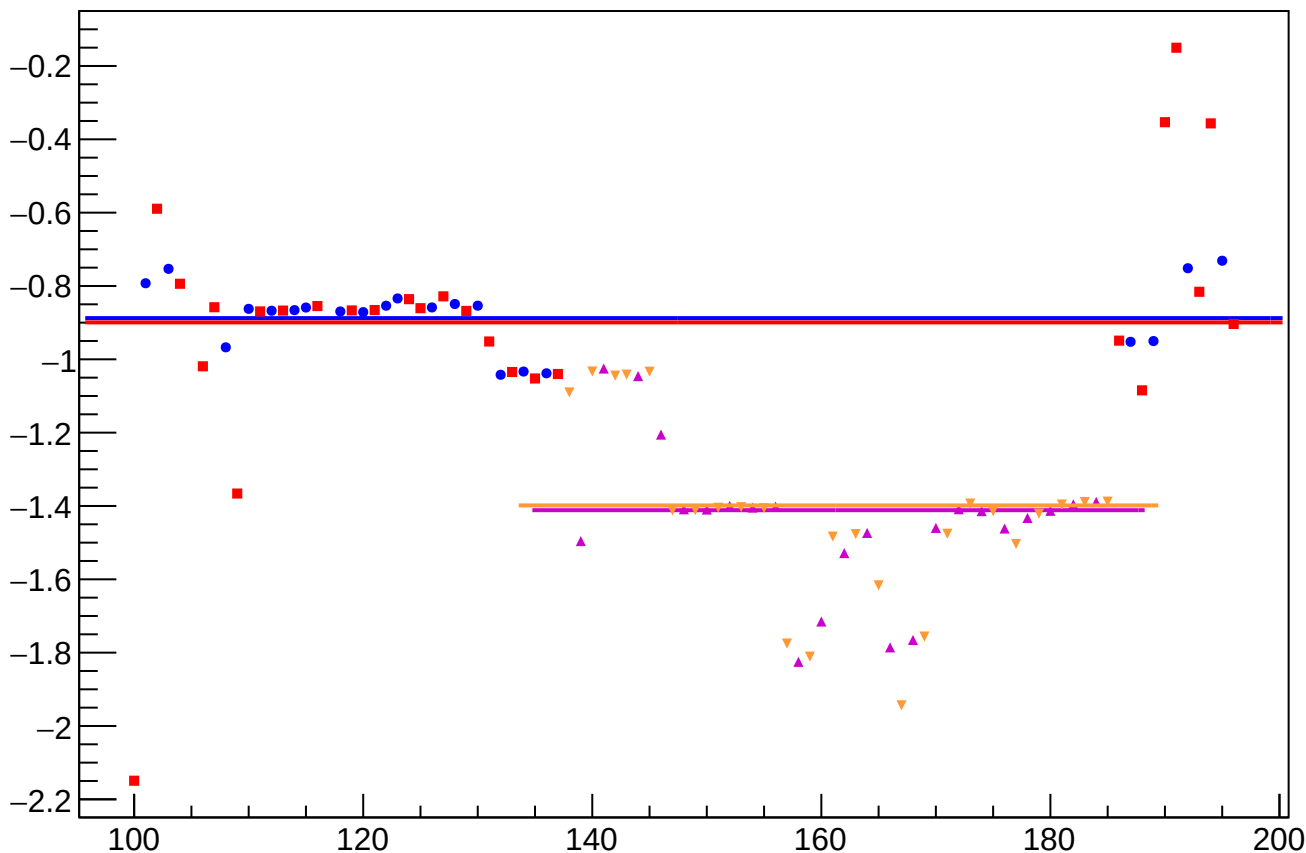
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5008866.4/45

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10676444.7/94

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5657590.8/48

yield_bpm12X_mean vs Slug



Right In: -0.888+/-0.000 χ^2/NDF : 46039404.5/20

Left Out: -1.398+/-0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.899+/-0.000 χ^2/NDF : 242332932.1/25

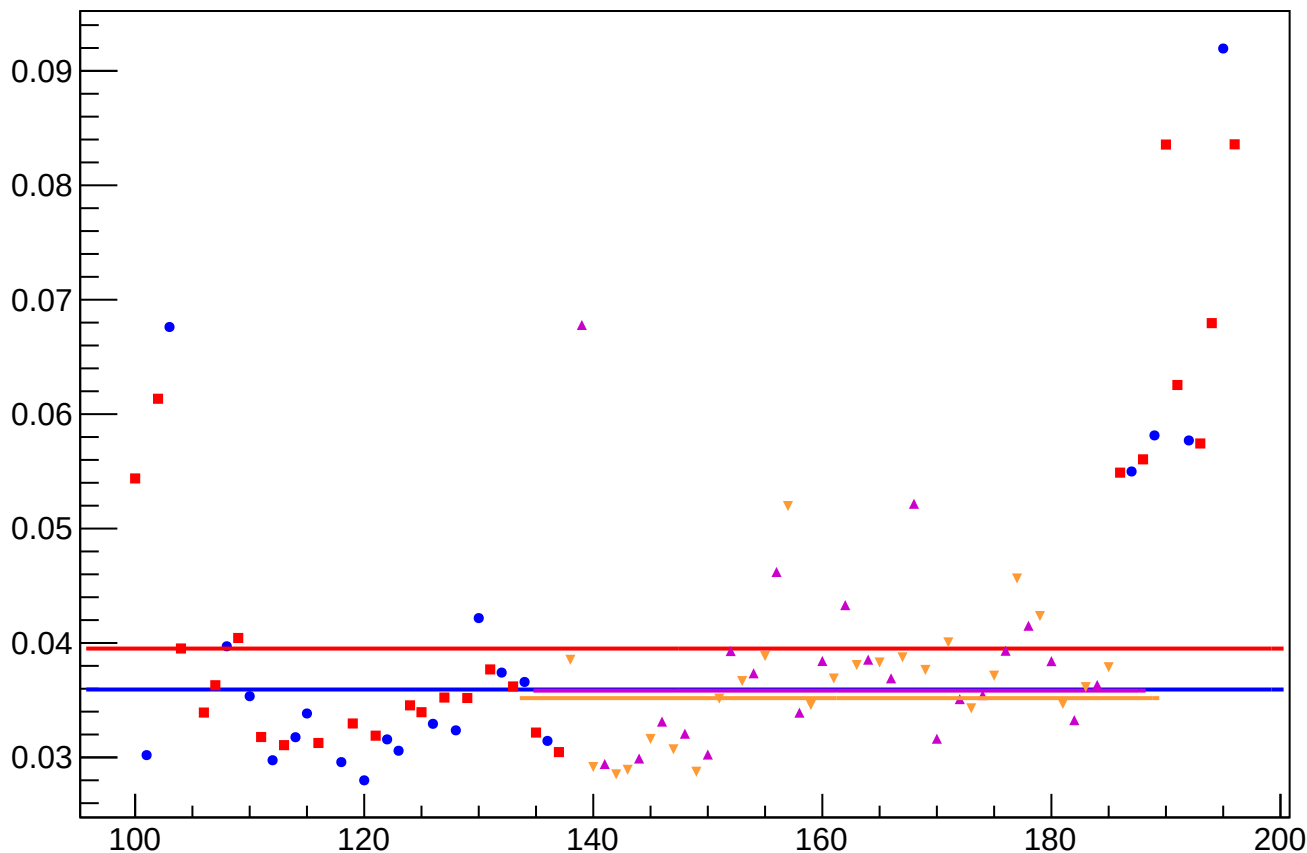
Left In: -1.412+/-0.000 χ^2/NDF : 512629872.4/22

+ sign -1.241+/-0.000 χ^2/NDF : 1823928427.8/45

All: -1.241+/-0.000 χ^2/NDF : 3630581515.5/9

- sign -1.240+/-0.000 χ^2/NDF : 1806642169.1/48

yield_bpm12X_rms vs Slug



Right In: 0.036 $\pm$ 0.000 χ^2 /NDF: 1444022.9/20

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.040 $\pm$ 0.000 χ^2 /NDF: 1764425.2/25

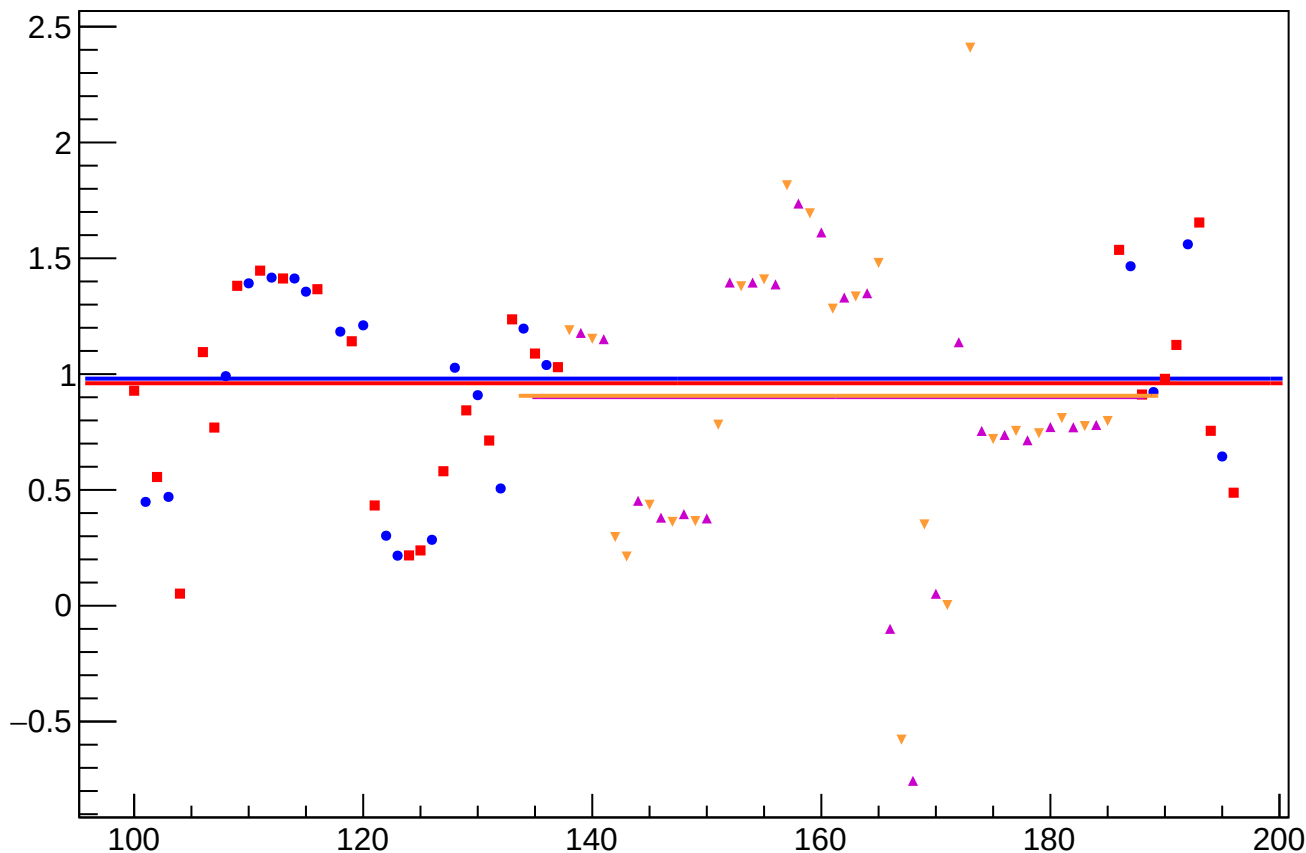
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 2046448.1/45

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 4860503.2/94

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 2763733.0/48

yield_bpm12Y_mean vs Slug



Right In: 0.980 $\pm$ 0.000 χ^2 /NDF: 13891589525.5/20

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 0.960 $\pm$ 0.000 χ^2 /NDF: 19188862603.9/25

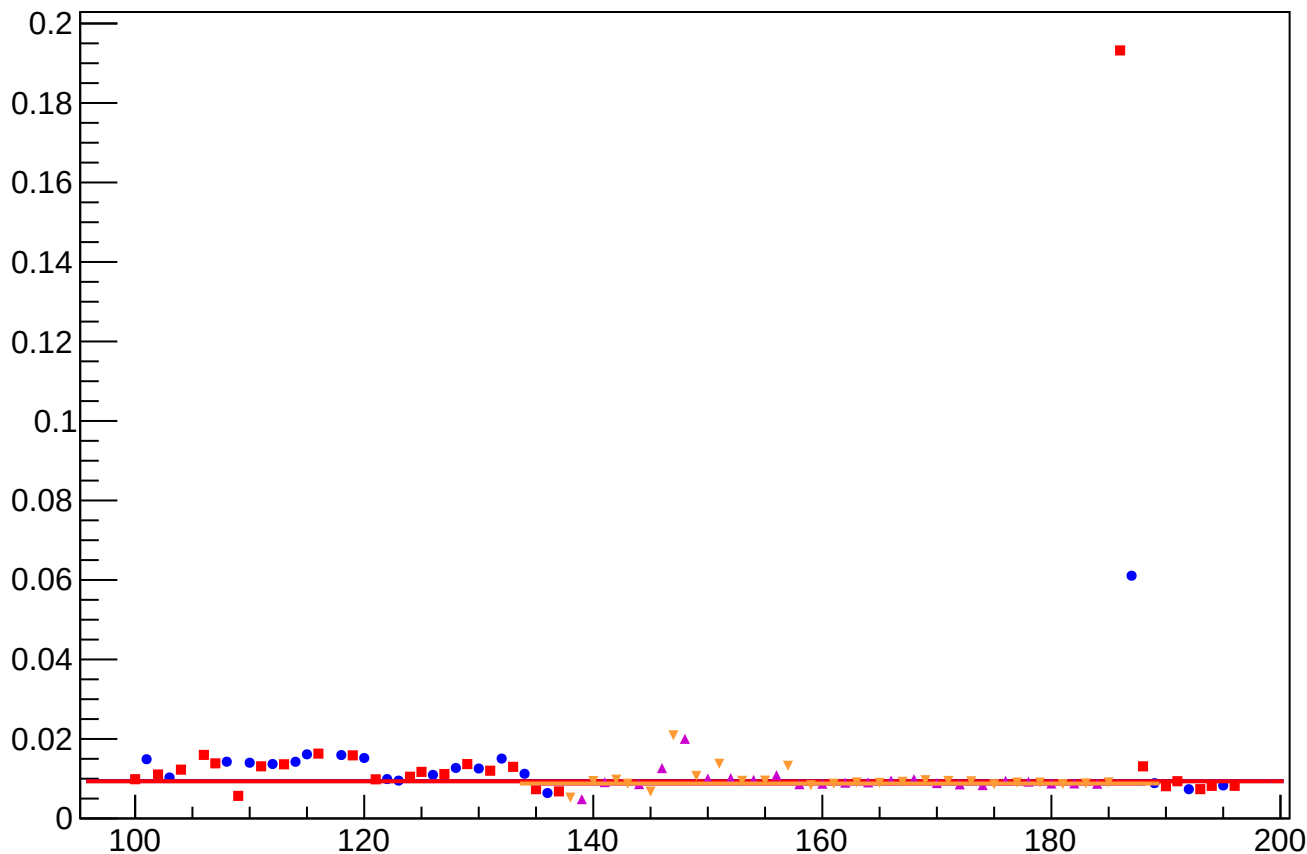
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.927 $\pm$ 0.000 χ^2 /NDF: 98334283615.0/45

All: 0.924 $\pm$ 0.000 χ^2 /NDF: 184710834951.4

- sign 0.921 $\pm$ 0.000 χ^2 /NDF: 86370247576.7/48

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1655402.6/20

Left Out: 0.009+/-0.000 χ^2/NDF :1698526.2/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2154978.4/25

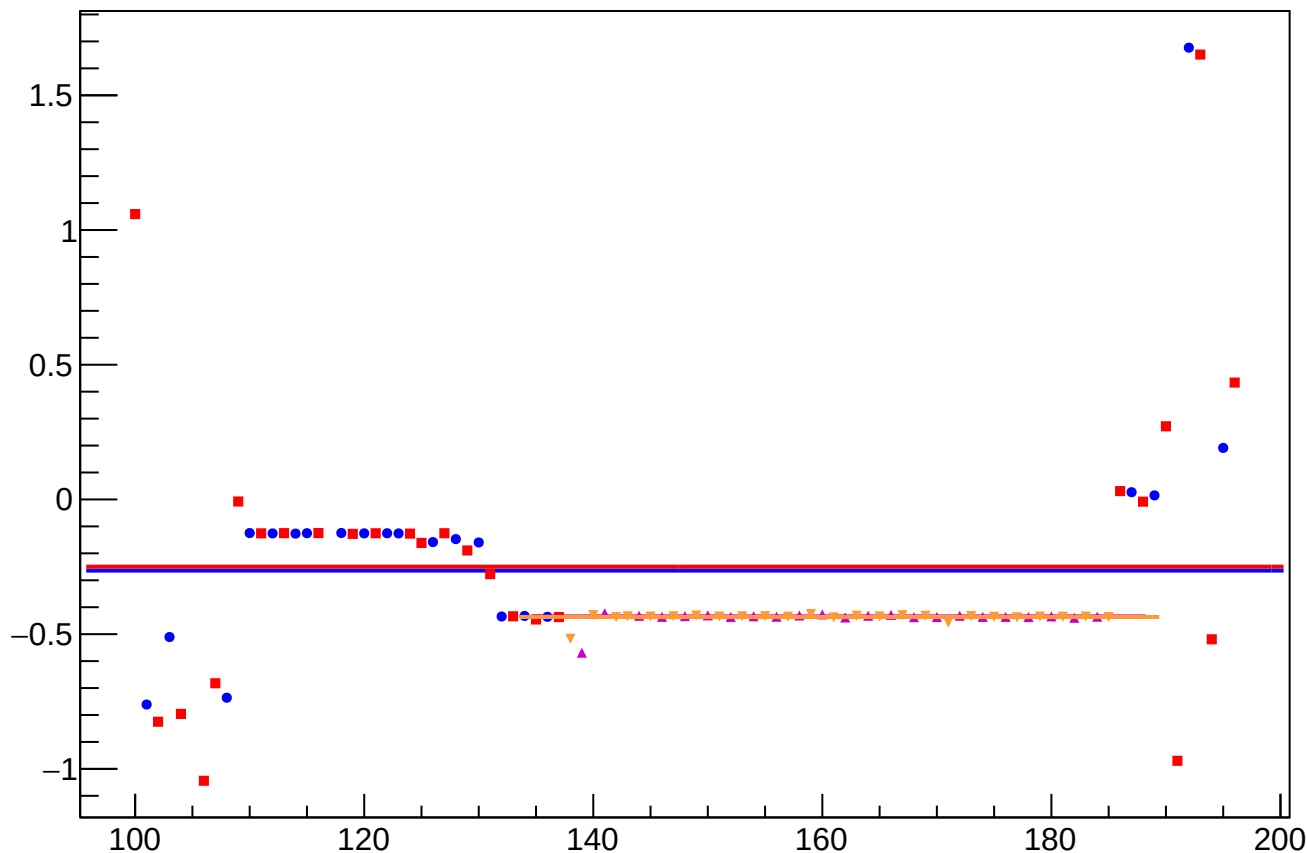
Left In: 0.009+/-0.000 χ^2/NDF :1669983.7/22

+ sign 0.009+/-0.000 χ^2/NDF : 3399687.8/45

All: 0.009+/-0.000 χ^2/NDF : 7277867.0/94

- sign 0.009+/-0.000 χ^2/NDF : 3878133.5/48

yield_bpm16X_mean vs Slug



Right In: -0.264+/-0.000 χ^2/NDF : 1883803044.1/20

Left Out: -0.436+/-0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.249+/-0.000 χ^2/NDF : 1833080272.2/25

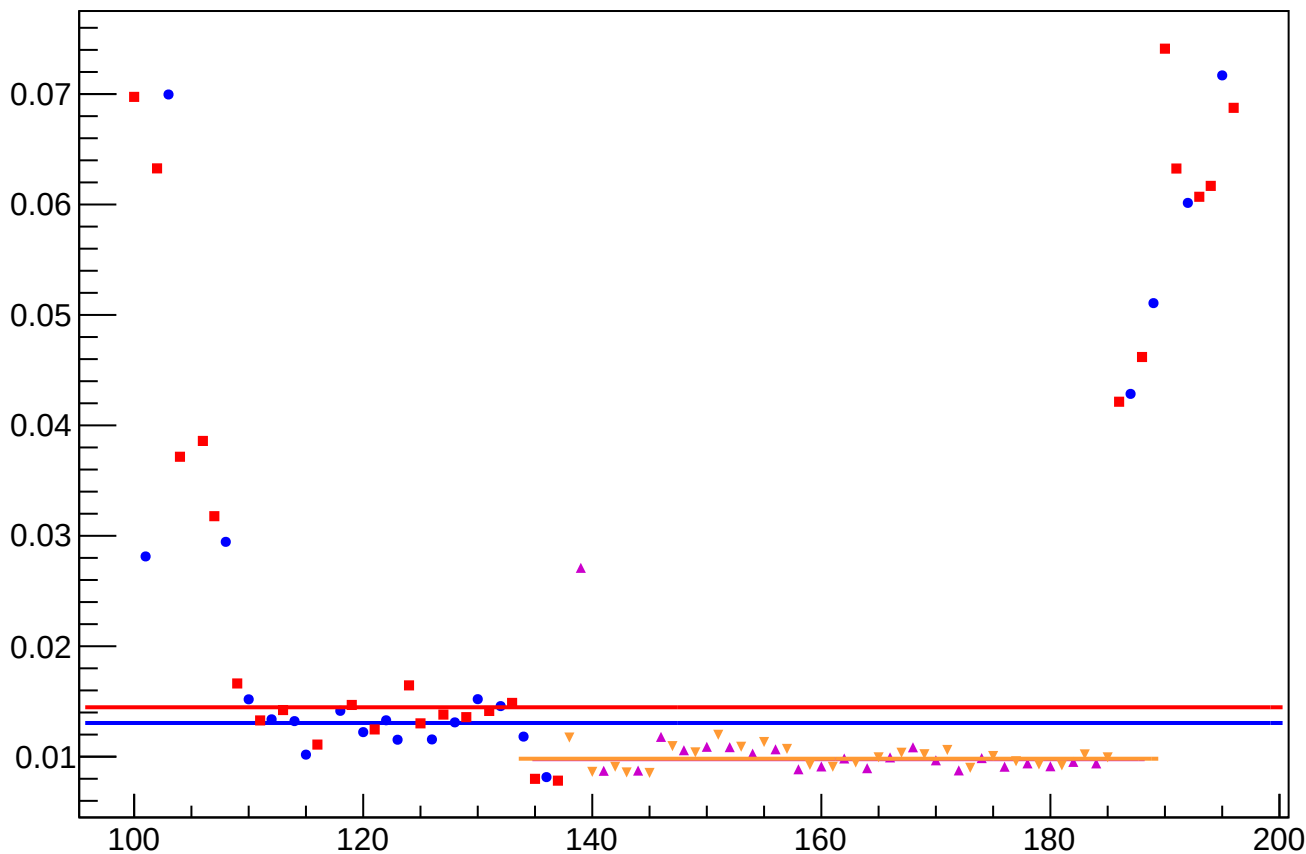
Left In: -0.434+/-0.000 χ^2/NDF : 20164730.3/22

+ sign -0.408+/-0.000 χ^2/NDF : 2708112789.0/45

All: -0.405+/-0.000 χ^2/NDF : 5442552738.7/9

- sign -0.403+/-0.000 χ^2/NDF : 2732226561.3/48

yield_bpm16X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 4501882.1/20

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:271172.3/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 6657151.4/25

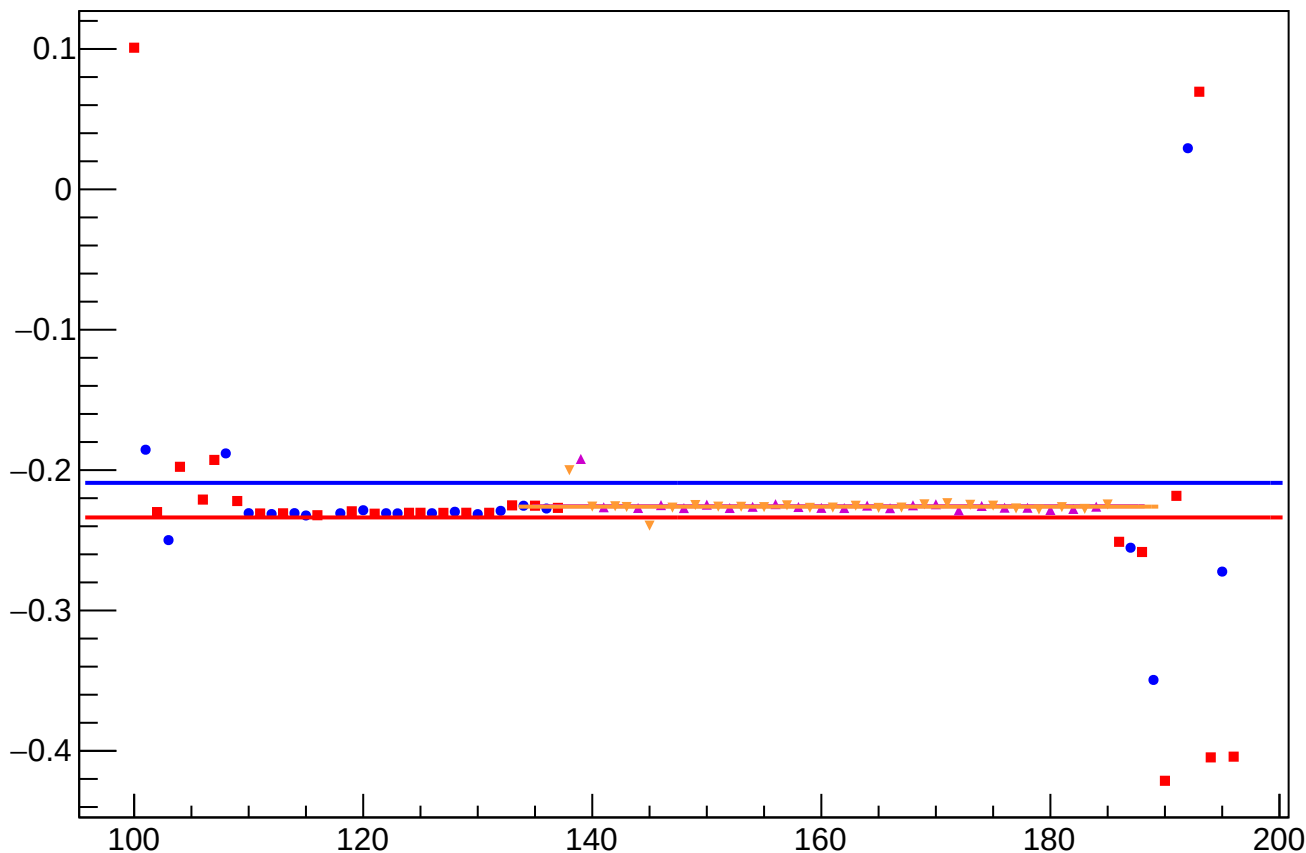
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:786577.8/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 5334952.2/45

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 13927924.3/94

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 8584266.0/48

yield_bpm16Y_mean vs Slug



Right In: -0.209 ± 0.000 $\chi^2/\text{NDF}: 1961491627.5/20$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21207366.3/24$

+ sign -0.221 ± 0.000 $\chi^2/\text{NDF}: 2046650938.2/45$

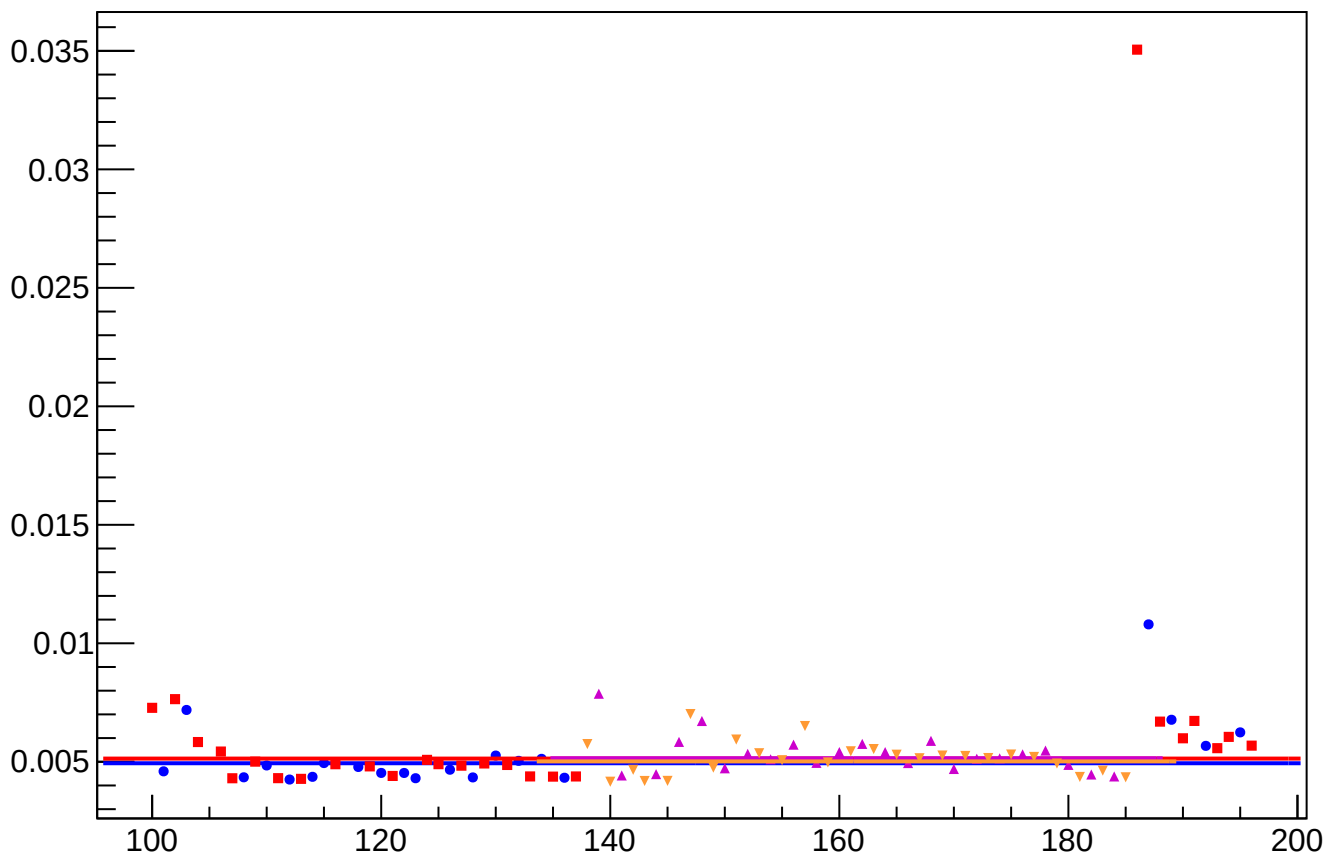
Right Out: -0.234 ± 0.000 $\chi^2/\text{NDF}: 3882913070.5/25$

All: -0.225 ± 0.000 $\chi^2/\text{NDF}: 5992475246.5/9$

- sign -0.229 ± 0.000 $\chi^2/\text{NDF}: 3911591046.0/48$

Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 13717302.5/22$

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 457185.4/20

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1023662.6/25

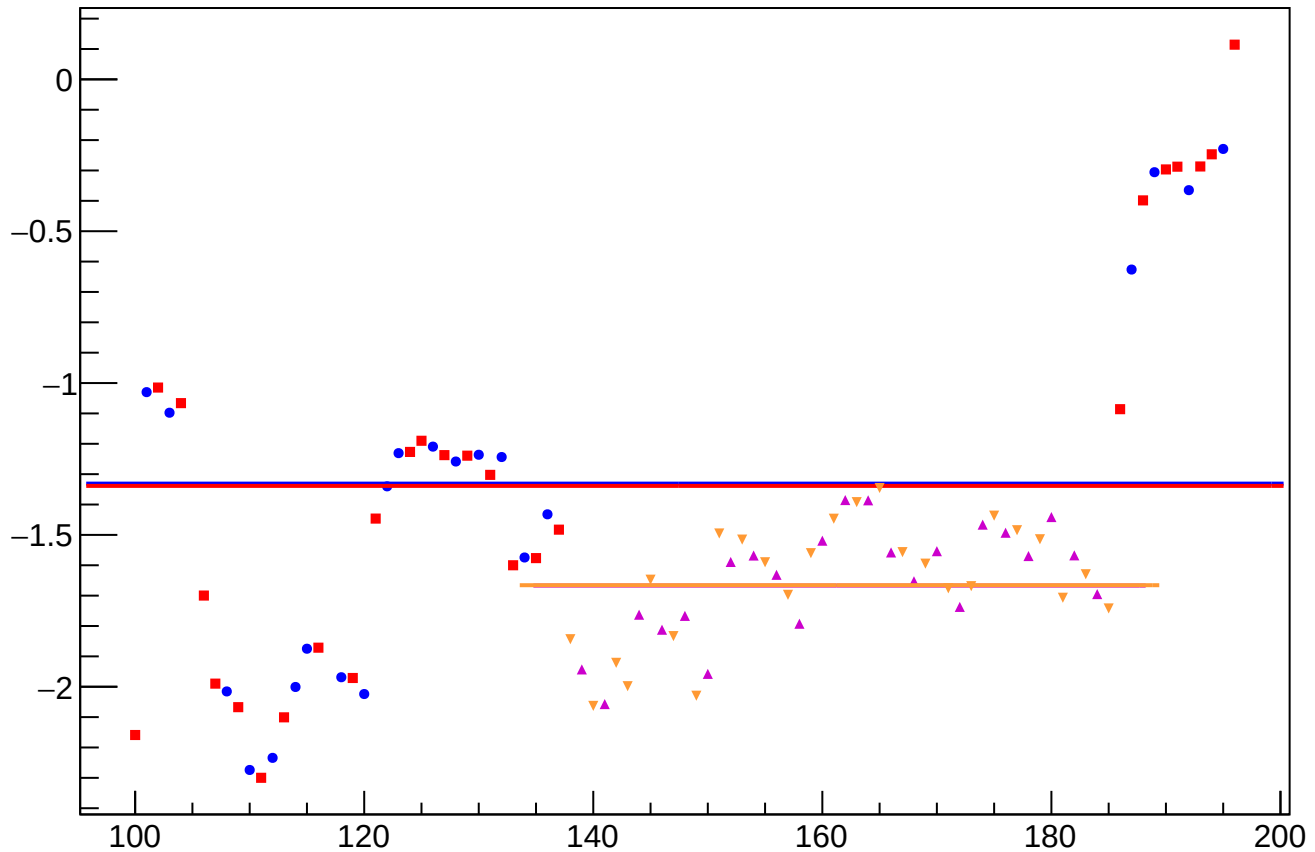
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 992503.8/45

All: 0.005+/-0.000 χ^2/NDF : 2543909.7/94

- sign 0.005+/-0.000 χ^2/NDF : 1527807.8/48

yield_bpm0l01X_mean vs Slug



Right In: -1.331 ± 0.000 $\chi^2/\text{NDF}: 49593184926.8/20$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18368038680.8/24$

Right Out: -1.339 ± 0.000 $\chi^2/\text{NDF}: 89304131721.2/25$

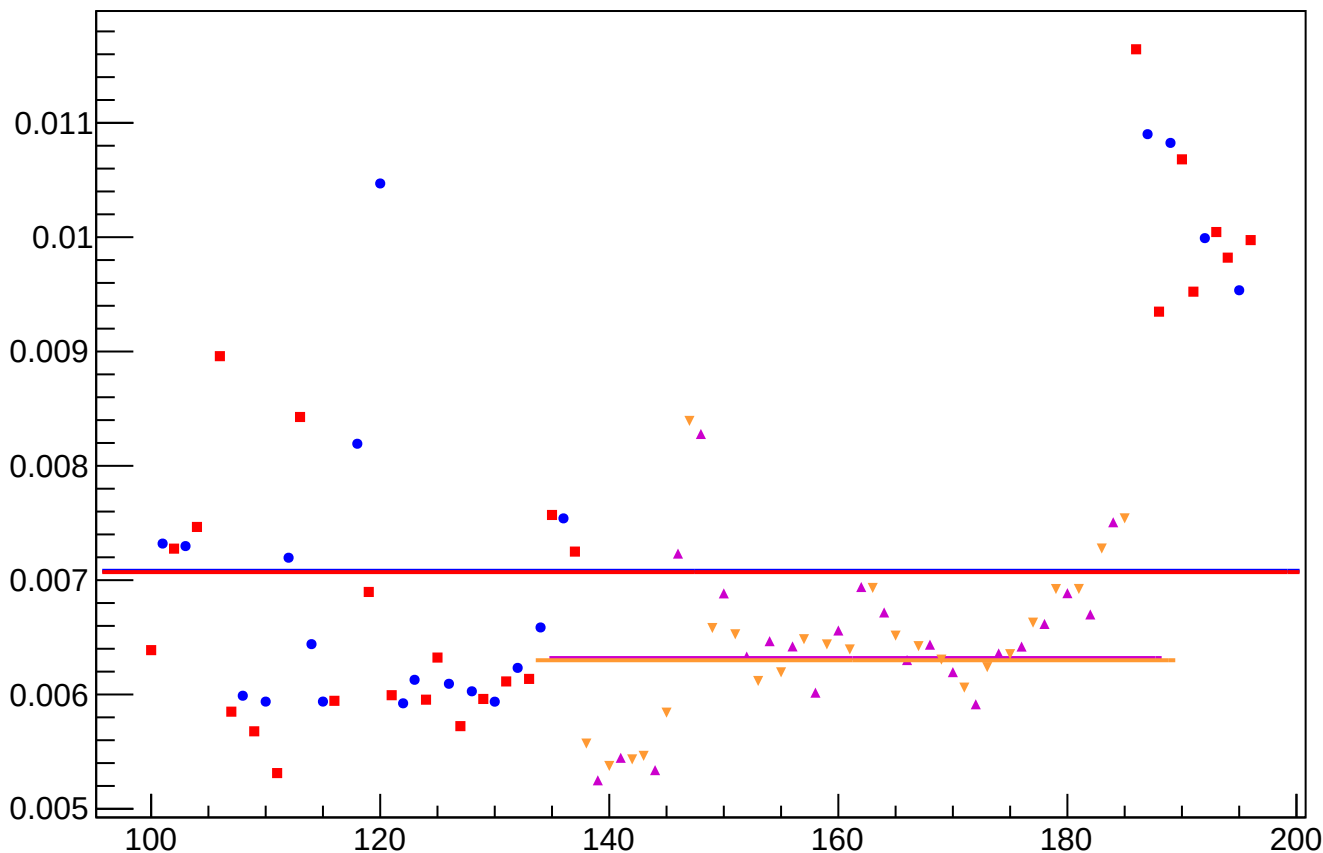
Left In: -1.667 ± 0.000 $\chi^2/\text{NDF}: 14615453869.3/22$

+ sign -1.576 ± 0.000 $\chi^2/\text{NDF}: 81137392151.1/45$

All: -1.567 ± 0.000 $\chi^2/\text{NDF}: 199918314106.1$

- sign -1.558 ± 0.000 $\chi^2/\text{NDF}: 118679486292.6/48$

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 648259.8/20

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:312811.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1102915.4/25

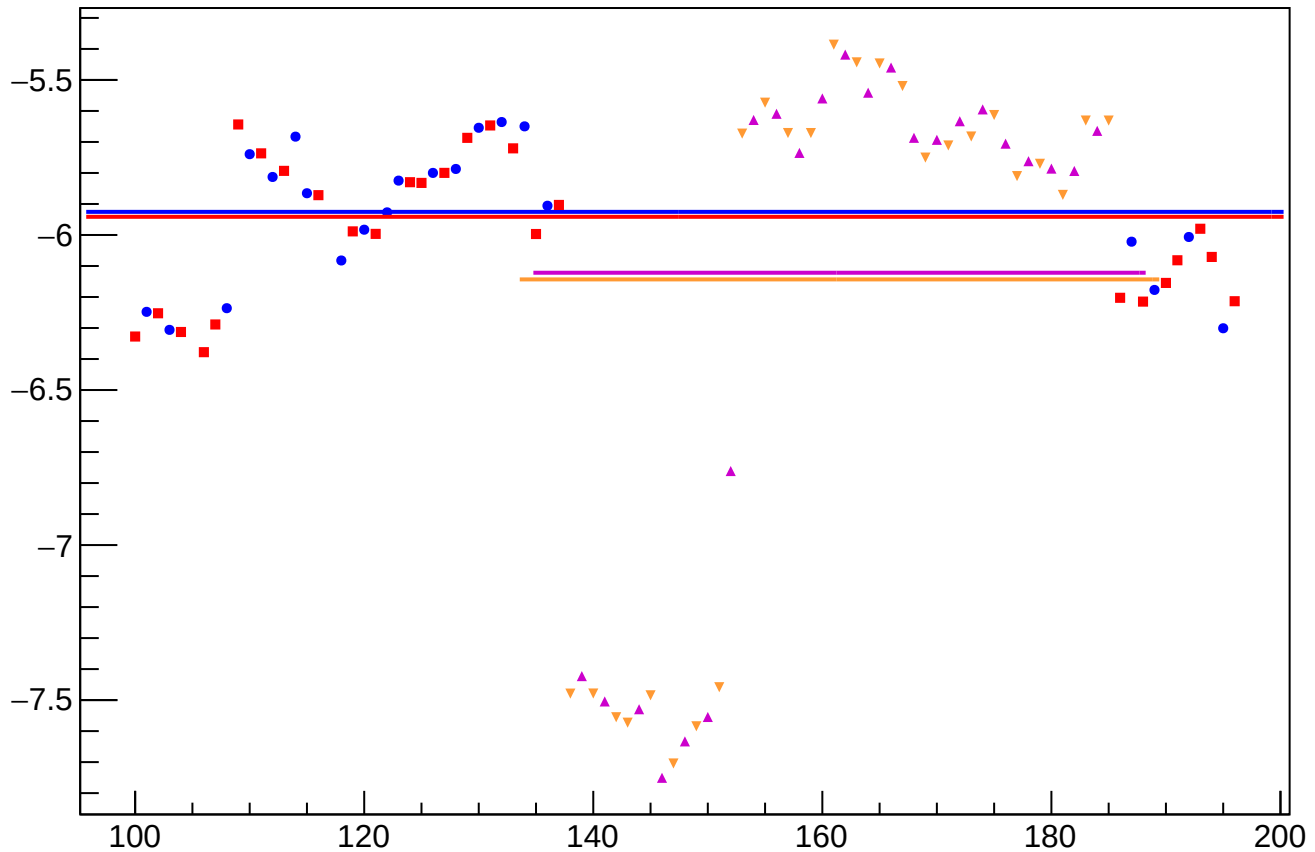
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:334332.4/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1105248.0/45

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2699438.2/94

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1592027.7/48

yield_bpm0l01Y_mean vs Slug



Right In: -5.925+/-0.000 χ^2/NDF : 12079456395.4/20

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.941+/-0.000 χ^2/NDF : 14043358792.1/25

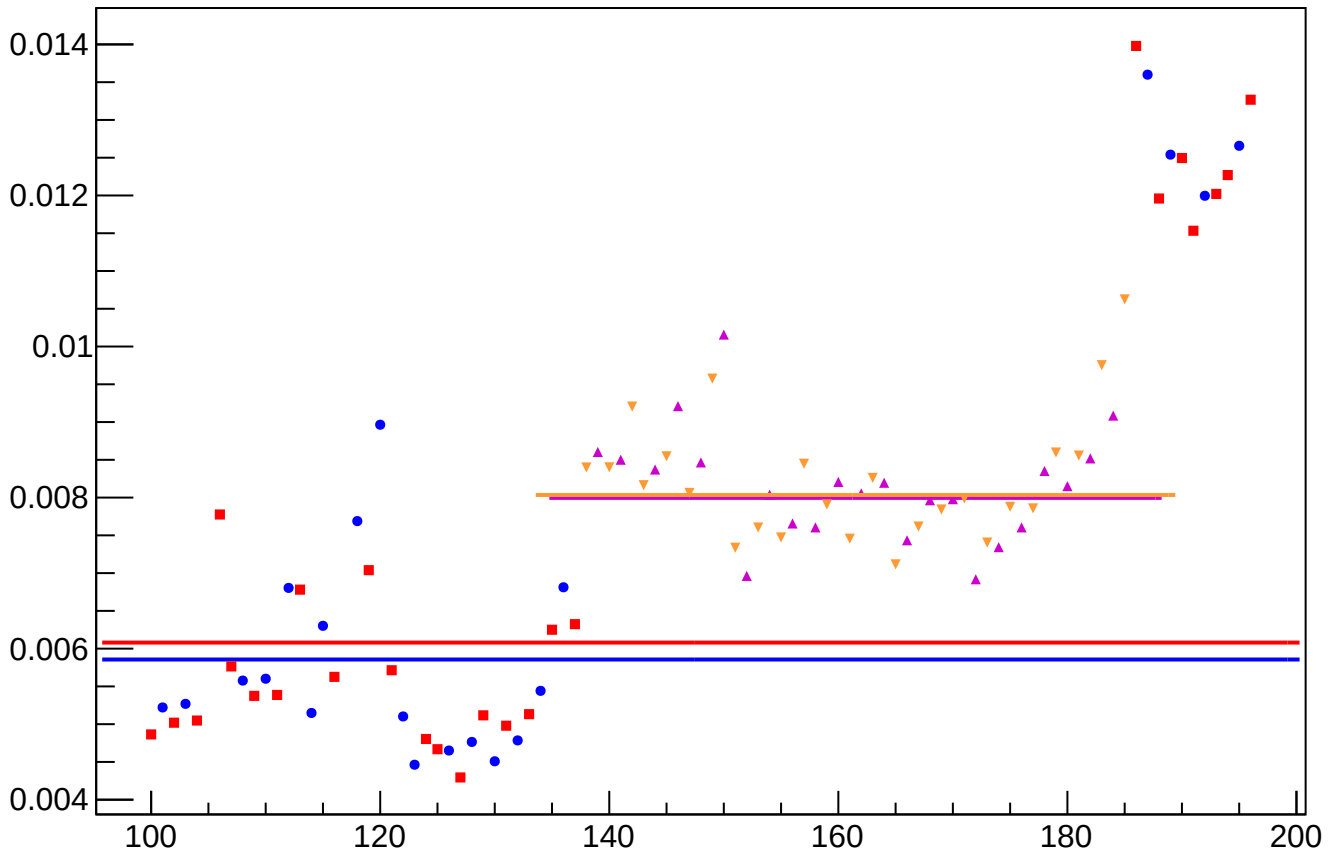
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.044+/-0.000 χ^2/NDF : 203374207939.5/45

All: -6.038+/-0.000 χ^2/NDF : 381416592841.6

- sign -6.032+/-0.000 χ^2/NDF : 178004637285.5/48

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1678849.6/20

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 2608394.2/25

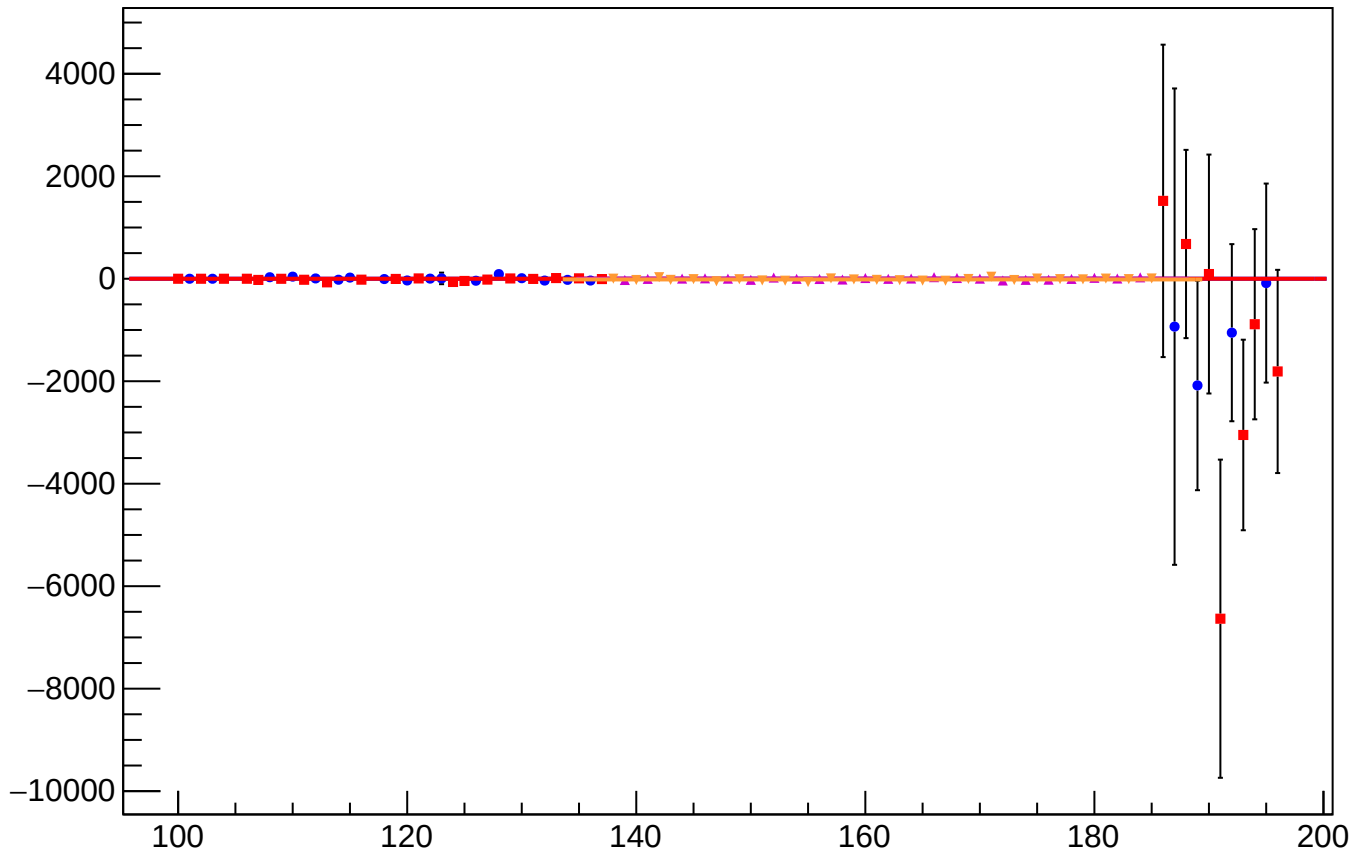
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 2999434.2/45

All: 0.007+/-0.000 χ^2/NDF : 6741920.6/94

- sign 0.007+/-0.000 χ^2/NDF : 3742478.0/48

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 17.7/20

Left Out: -13.472 $\pm$ 2.796 χ^2 /NDF: 58.5/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 23.6/25

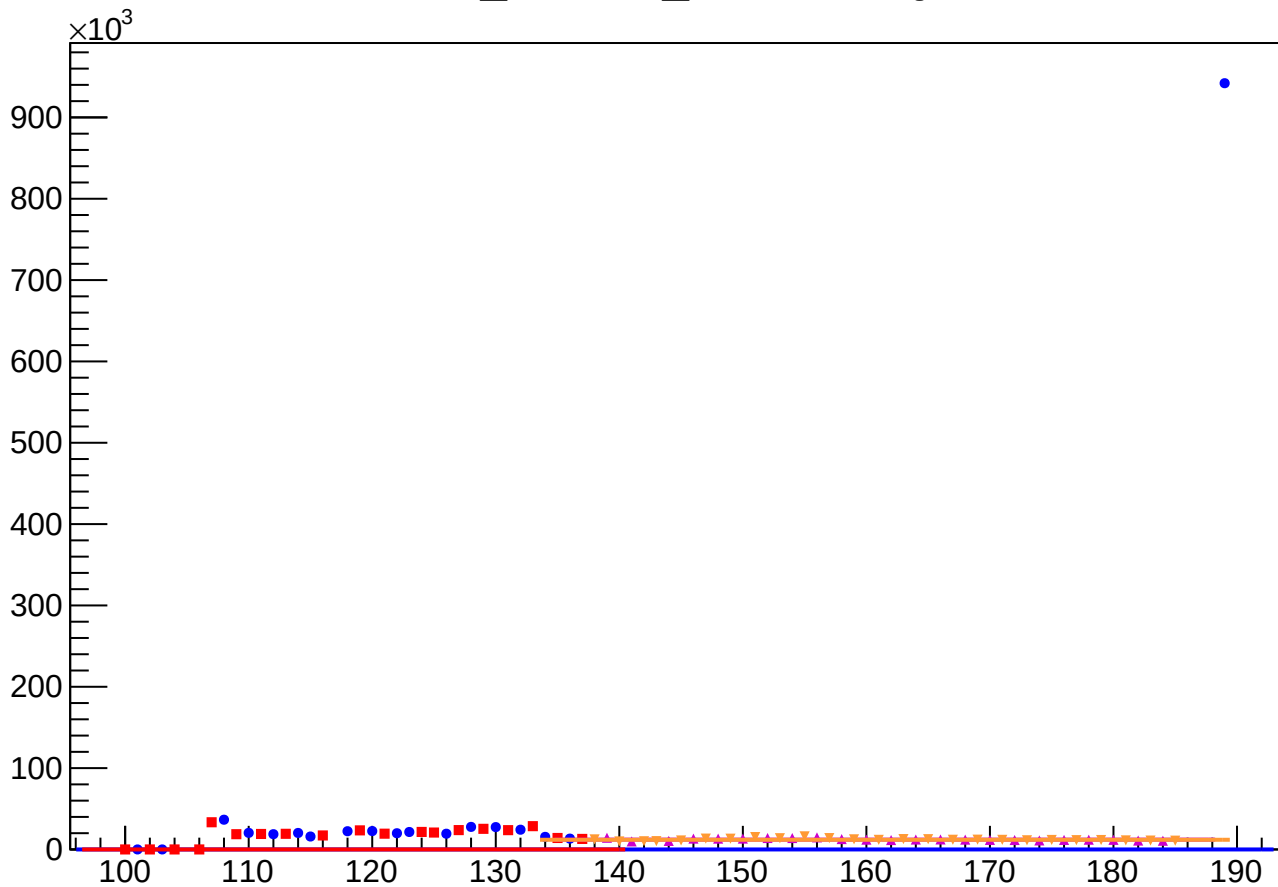
Left In: -0.489 $\pm$ 2.905 χ^2 /NDF: 28.7/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 99.5/45

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 152.0/94

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 52.4/48

diff_cav4bX_rms vs Slug



Right In: 18.640 $\pm$ 0.012 χ^2 /NDF: 10982766.4/17

Left Out: 11909.835 $\pm$ 1.977 χ^2 /NDF: 475310.2/24

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11056055.0/18

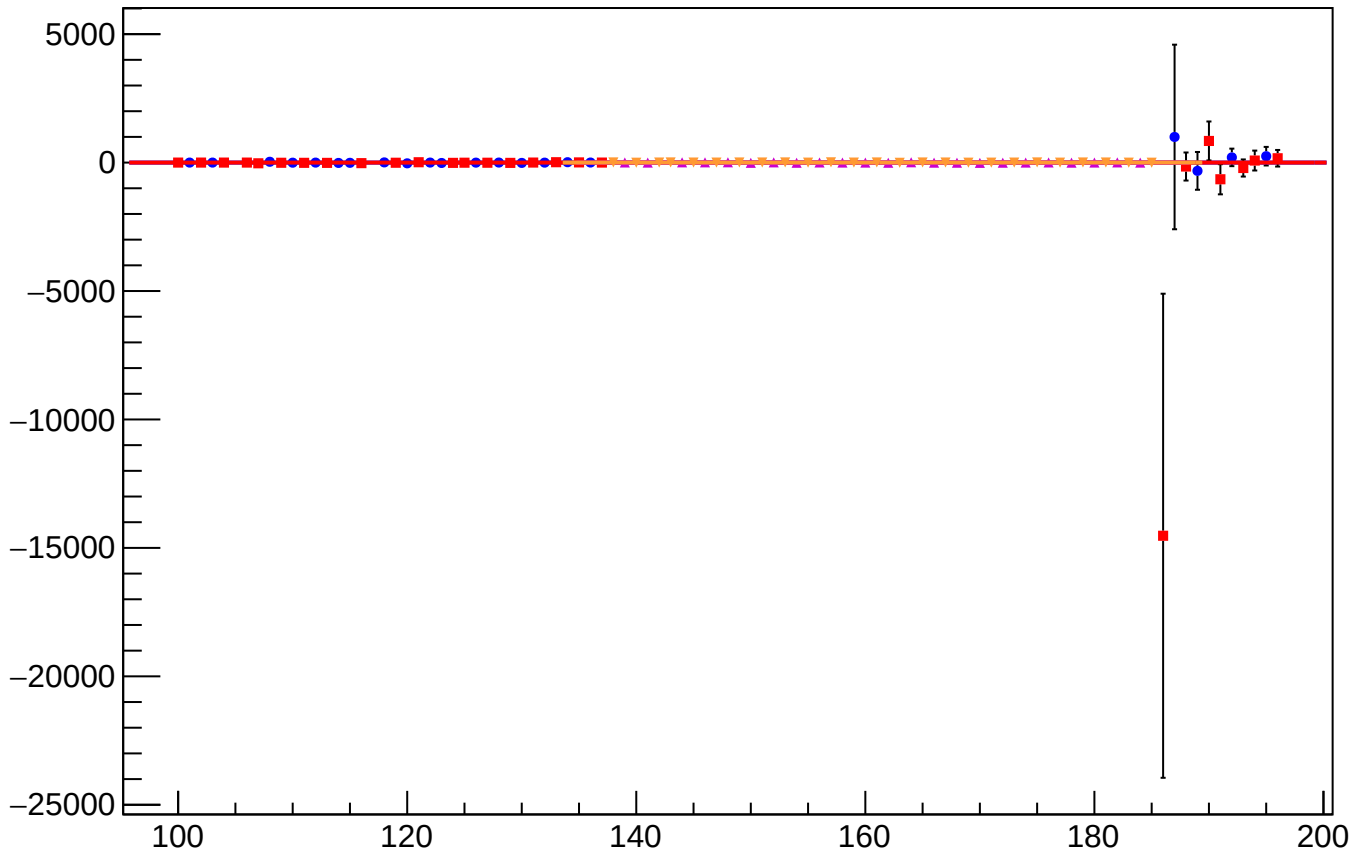
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.097 $\pm$ 0.012 χ^2 /NDF: 47623008.9/42

All: 18.873 $\pm$ 0.008 χ^2 /NDF: 93432232.0/84

- sign 18.680 $\pm$ 0.011 χ^2 /NDF: 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 15.7/20

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.2/25

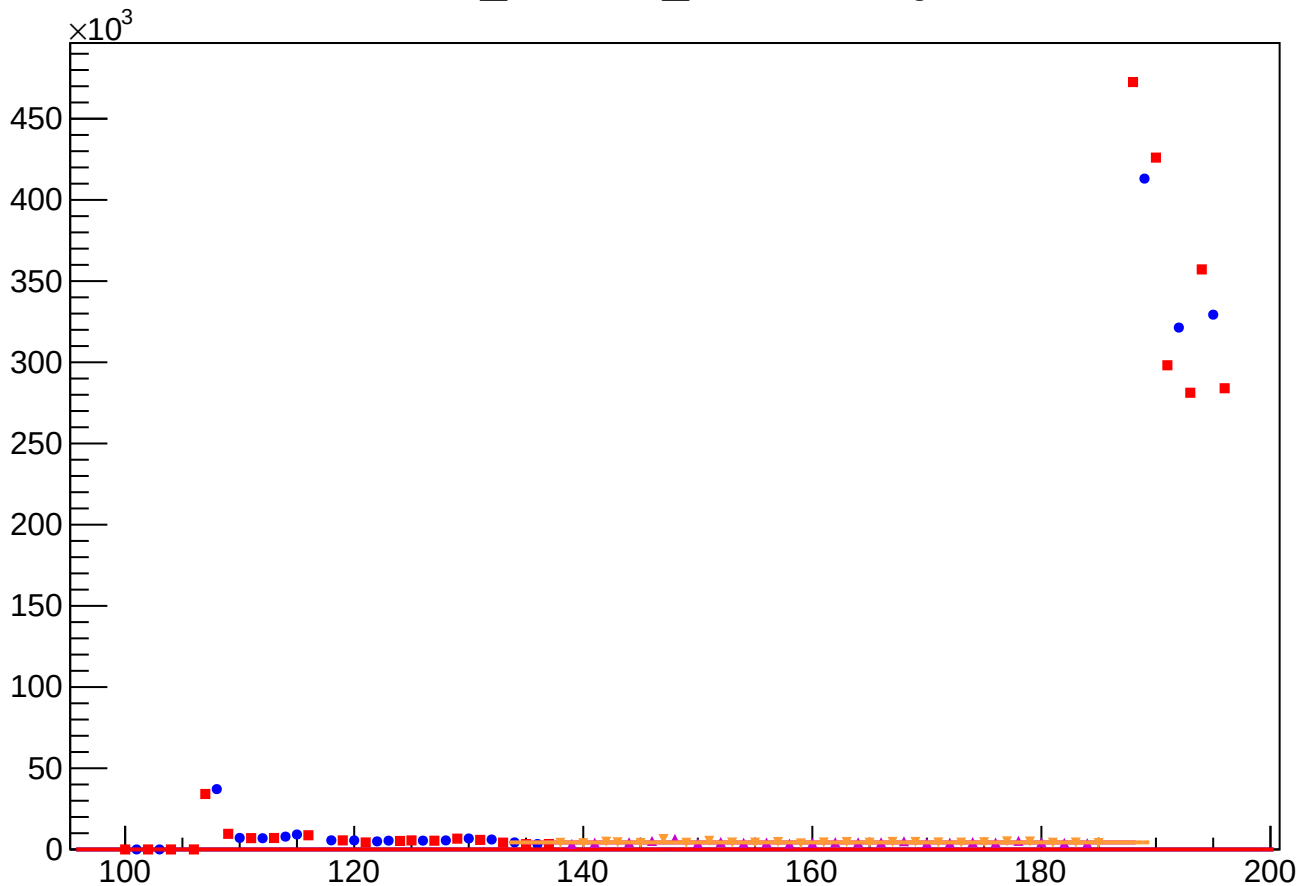
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 36.3/45

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 98.0/94

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.5/48

diff_cav4bY_rms vs Slug



Right In: 9.938 ± 0.007 χ^2/NDF : 14970931.4/19

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 18400719.5/24

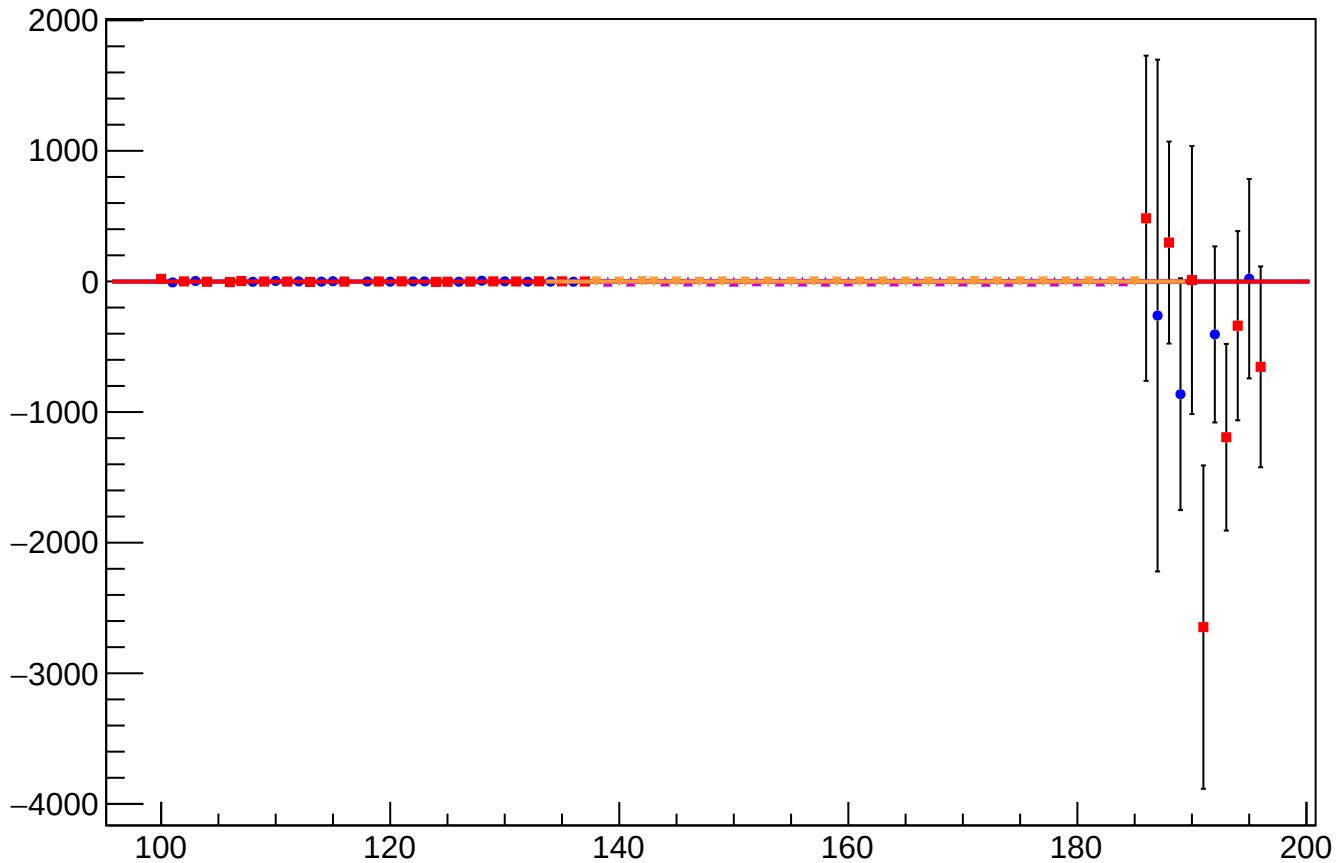
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.291 ± 0.007 χ^2/NDF : 51498920.1/44

All: 10.216 ± 0.004 χ^2/NDF : 104497538.2/92

- sign 10.151 ± 0.006 χ^2/NDF : 52998372.7/47

diff_cav4cX_mean vs Slug



Right In: -0.702 ± 0.485 χ^2/NDF : 23.8/20

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.762 ± 0.502 χ^2/NDF : 20.4/25

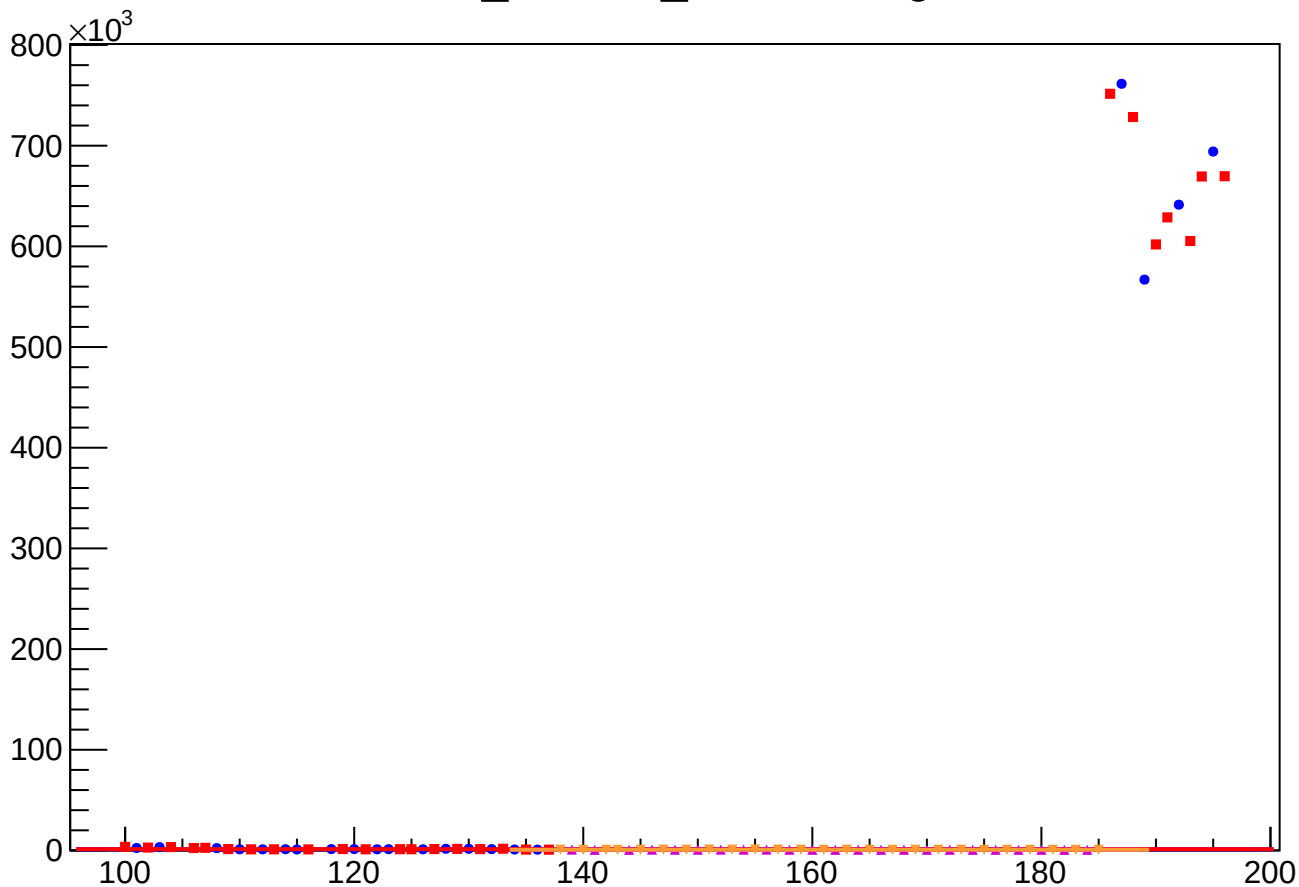
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 82.2/45

All: -0.444 ± 0.112 χ^2/NDF : 142.7/94

- sign -0.097 ± 0.161 χ^2/NDF : 51.5/48

diff_cav4cX_rms vs Slug



Right In: 1165.037+/-0.343 χ^2/NDF : 6145206.7/20

Left Out: 700.797+/-0.116 χ^2/NDF : 392521.4/24

Right Out: 1250.844+/-0.355 χ^2/NDF : 9934265.2/25

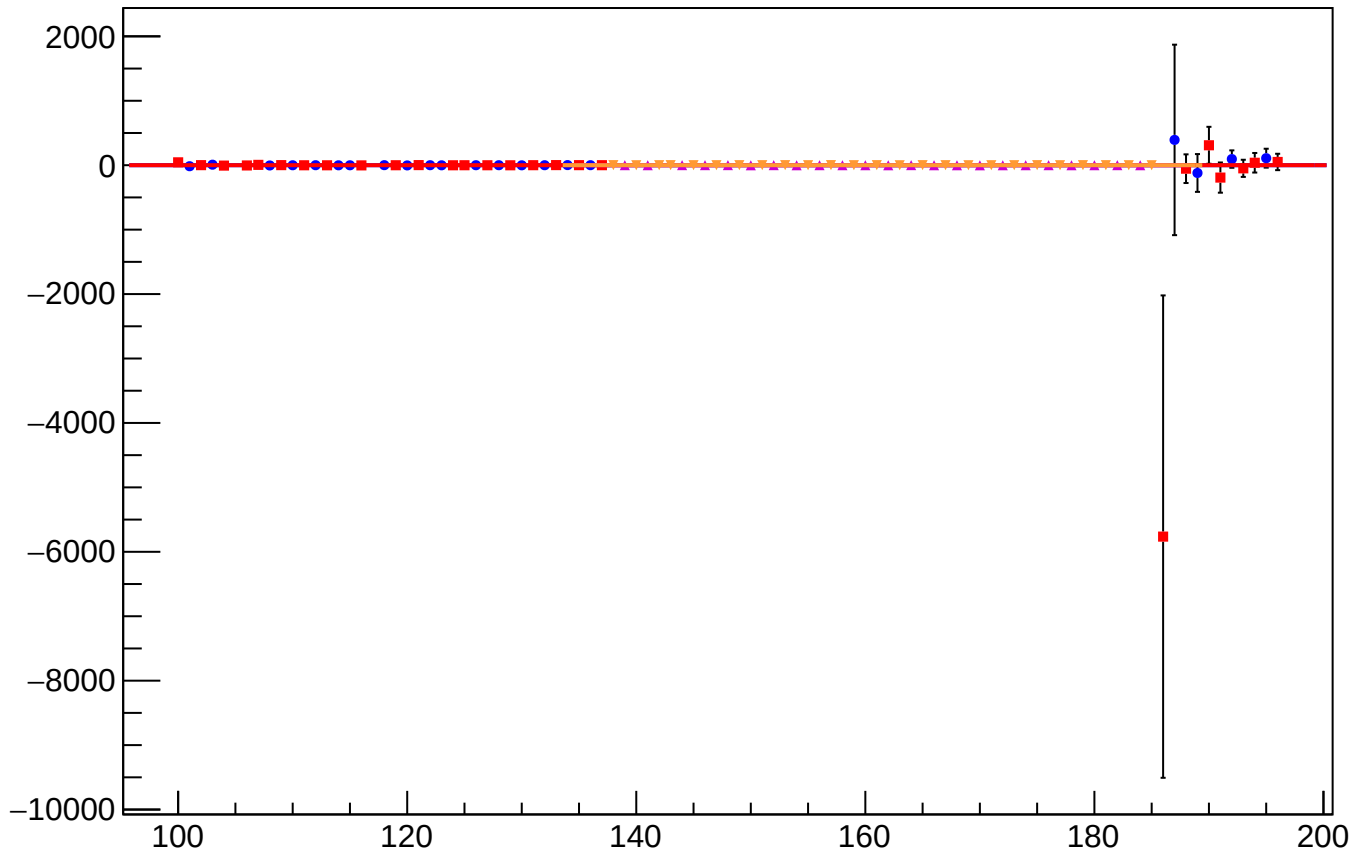
Left In: 706.950+/-0.120 χ^2/NDF : 338177.1/22

+ sign 748.587+/-0.110 χ^2/NDF : 8181449.9/45

All: 755.524+/-0.079 χ^2/NDF : 20567315.8/94

- sign 762.960+/-0.114 χ^2/NDF : 12377631.4/48

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.271 χ^2/NDF : 22.2/20

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 25.3/25

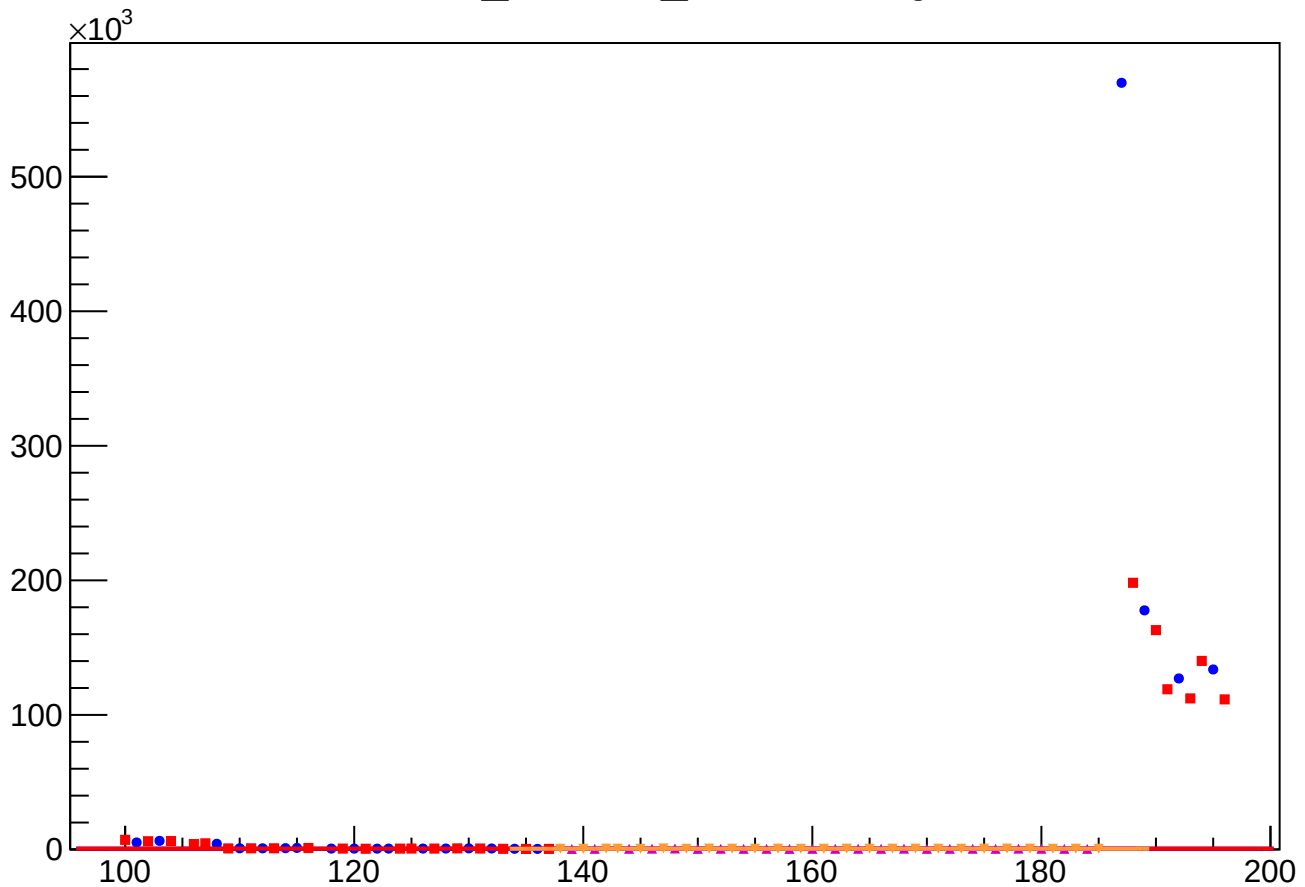
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 ± 0.112 χ^2/NDF : 40.8/45

All: 0.163 ± 0.080 χ^2/NDF : 101.3/94

- sign 0.139 ± 0.113 χ^2/NDF : 60.5/48

diff_cav4cY_rms vs Slug



Right In: 609.720 $\pm$ 0.191 χ^2 /NDF: 7565267.6/20

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 601.635 $\pm$ 0.187 χ^2 /NDF: 10902382.3/24

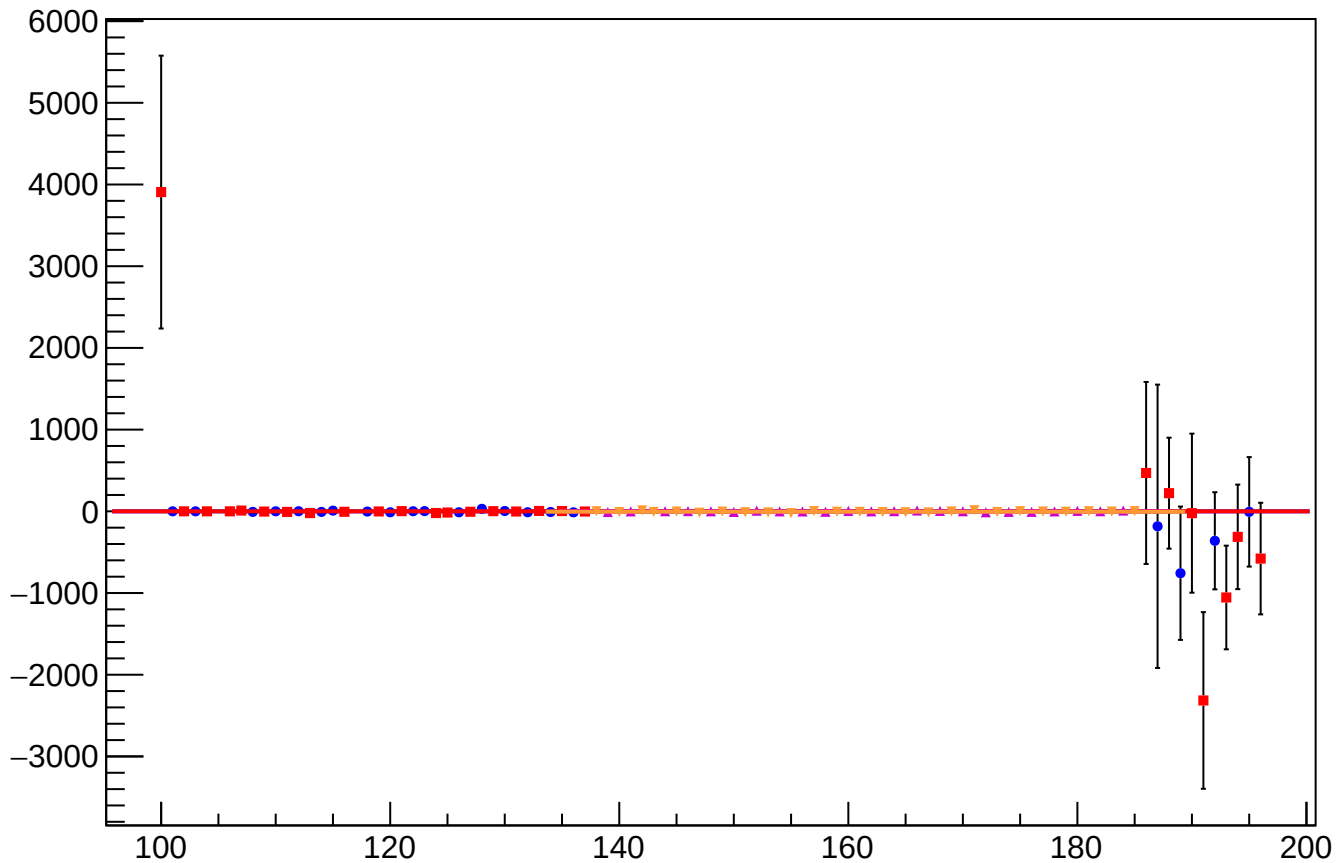
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.264 $\pm$ 0.079 χ^2 /NDF: 8069659.0/45

All: 536.098 $\pm$ 0.056 χ^2 /NDF: 19572754.0/93

- sign 534.894 $\pm$ 0.080 χ^2 /NDF: 11502650.9/47

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 16.9/20

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 25.4/25

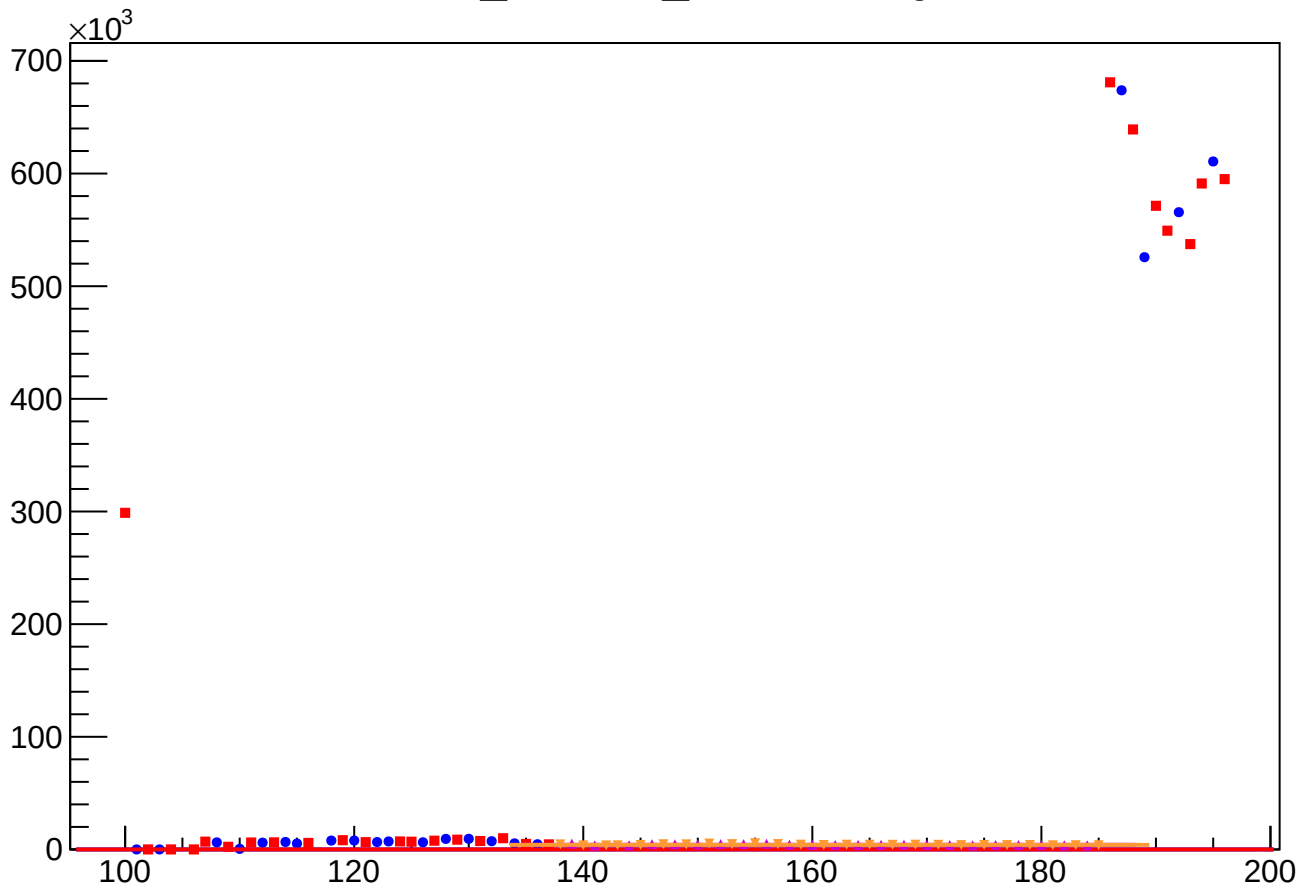
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 96.8/45

All: -0.025 ± 0.014 χ^2/NDF : 151.5/94

- sign -0.027 ± 0.020 χ^2/NDF : 54.7/48

diff_cav4dX_rms vs Slug



Right In: 17.337 ± 0.015 χ^2/NDF : 14919743.5/20

Left Out: 4074.257 ± 0.676 χ^2/NDF : 416916.0/24

Right Out: 17.270 ± 0.014 χ^2/NDF : 19124082.2/25

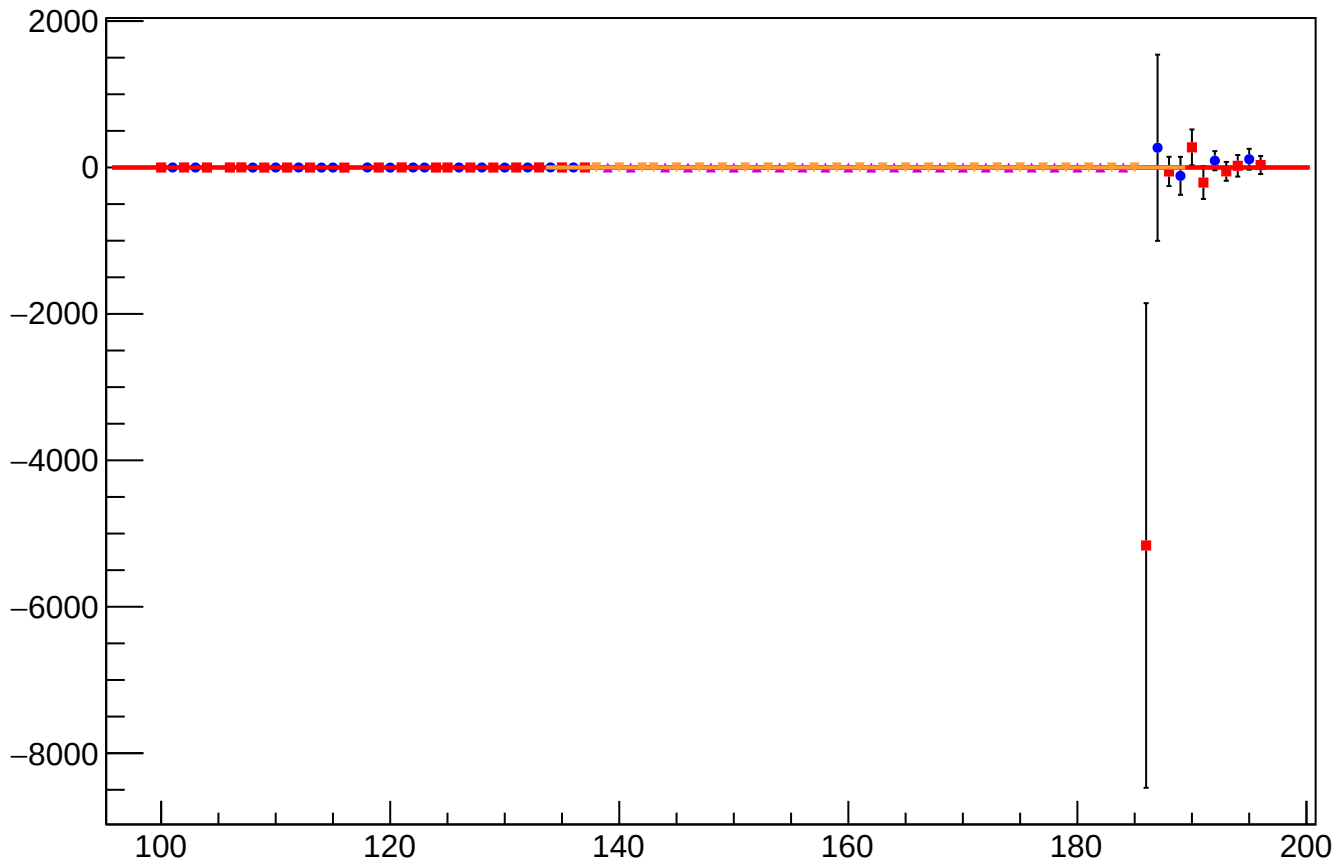
Left In: 4113.744 ± 0.700 χ^2/NDF : 354965.8/22

+ sign 19.257 ± 0.015 χ^2/NDF : 51369864.9/45

All: 19.071 ± 0.010 χ^2/NDF : 105066037.1/94

- sign 18.903 ± 0.014 χ^2/NDF : 53695867.4/48

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 16.7/20

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.0/25

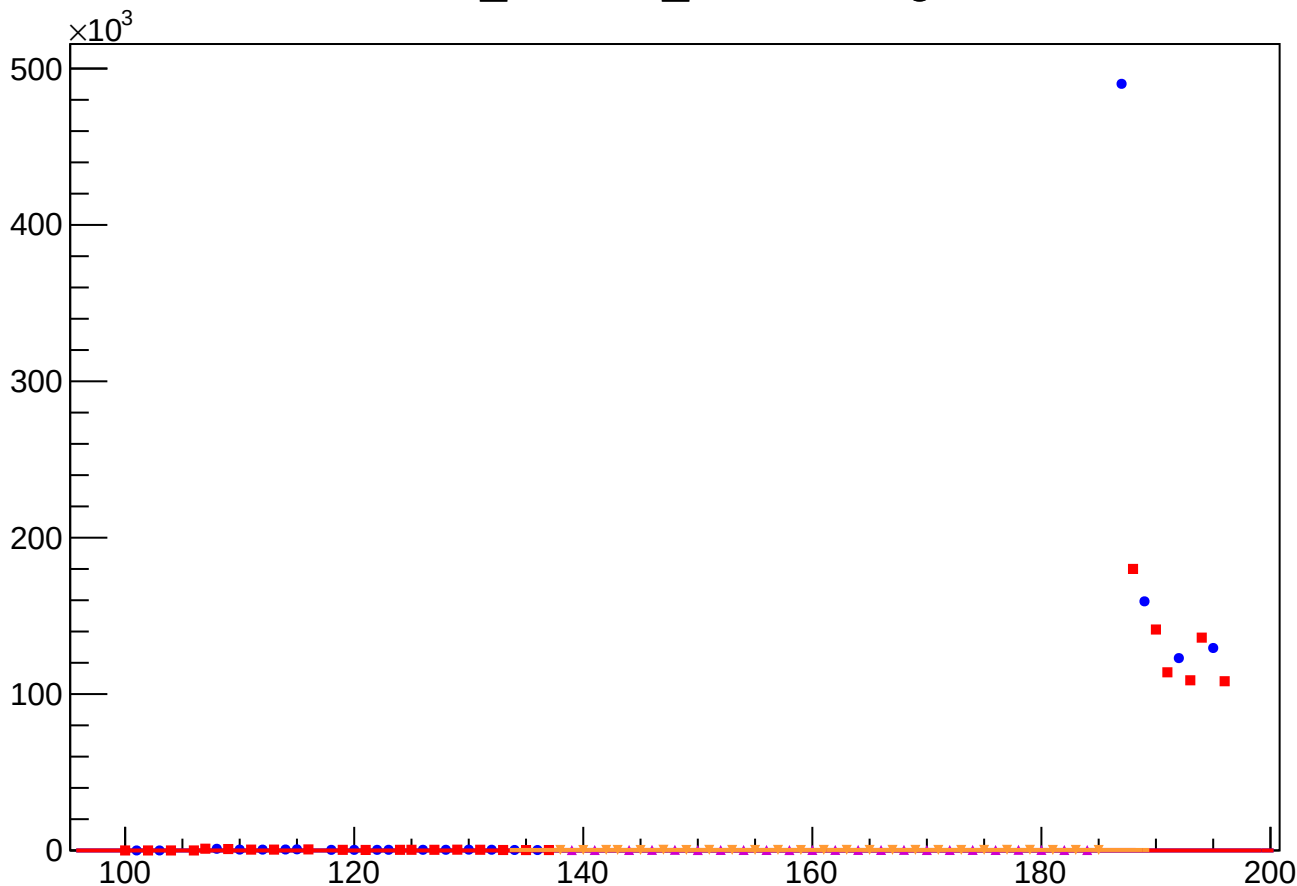
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 37.4/45

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 96.1/94

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 58.7/48

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 15354454.8/20

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 18169859.5/24

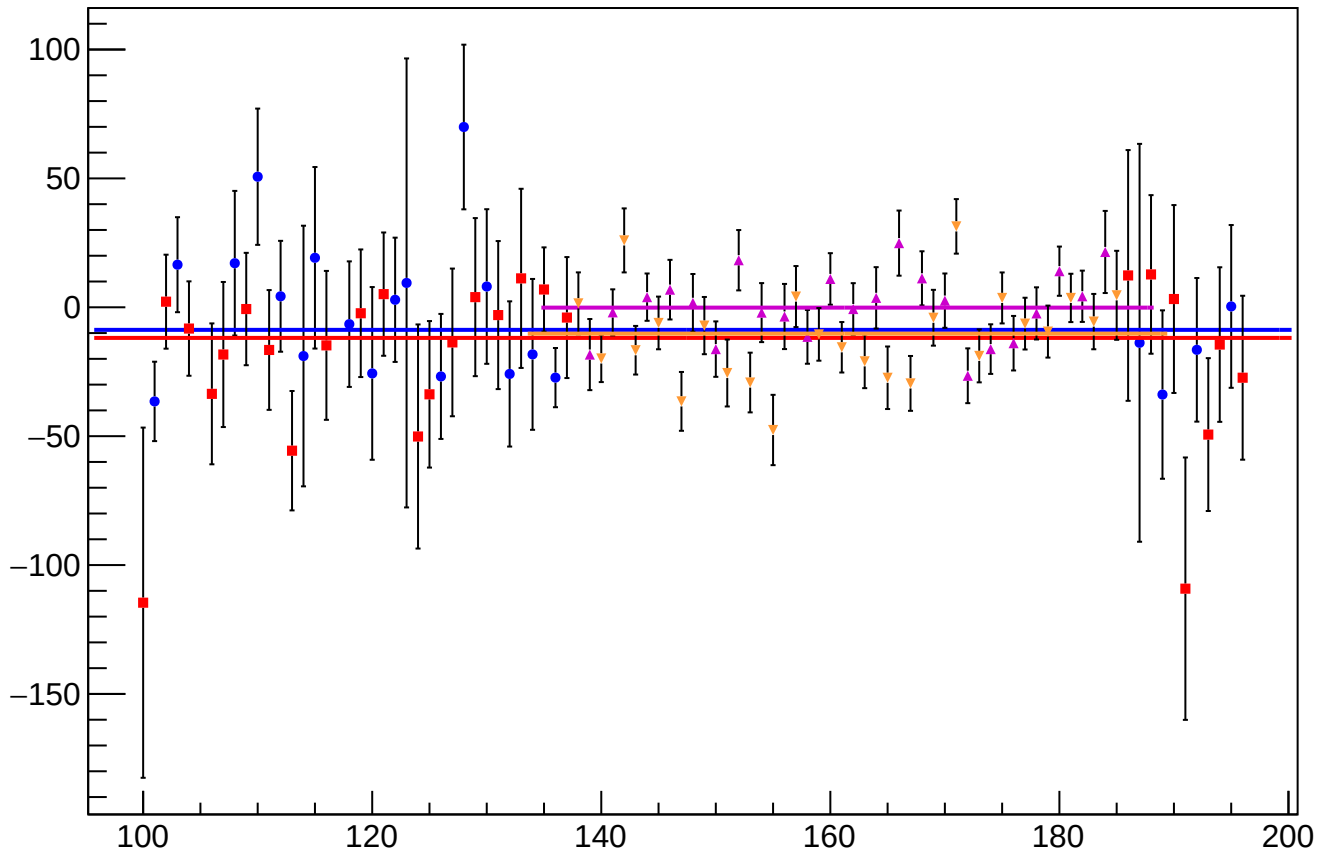
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 51666817.4/45

All: 1.926 $\pm$ 0.001 χ^2 /NDF: 104235734.0/93

- sign 1.926 $\pm$ 0.001 χ^2 /NDF: 52568916.6/47

diff_bpm4aX_mean vs Slug



Right In: -8.754 ± 5.357 χ^2/NDF : 23.4/20

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -11.877 ± 5.219 χ^2/NDF : 18.3/25

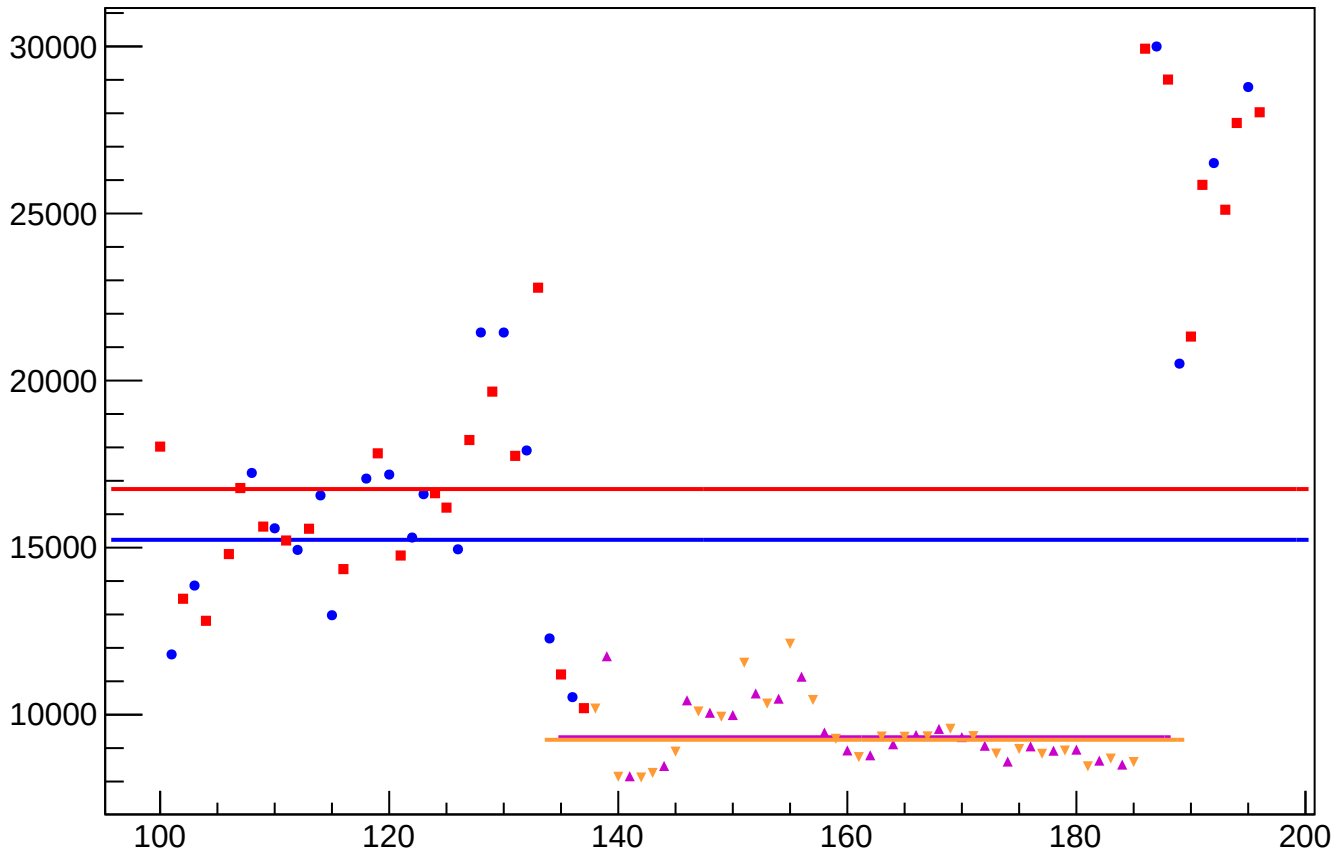
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.027 ± 2.009 χ^2/NDF : 81.4/45

All: -6.096 ± 1.438 χ^2/NDF : 141.7/94

- sign -1.961 ± 2.060 χ^2/NDF : 52.4/48

diff_bpm4aX_rms vs Slug



Right In: 15234.124+/-3.788 χ^2/NDF : 1506523.2/20

Left Out: 9249.358+/-1.532 χ^2/NDF : 332003.4/24

+ sign 10090.755+/-1.420 χ^2/NDF : 3983902.1/45

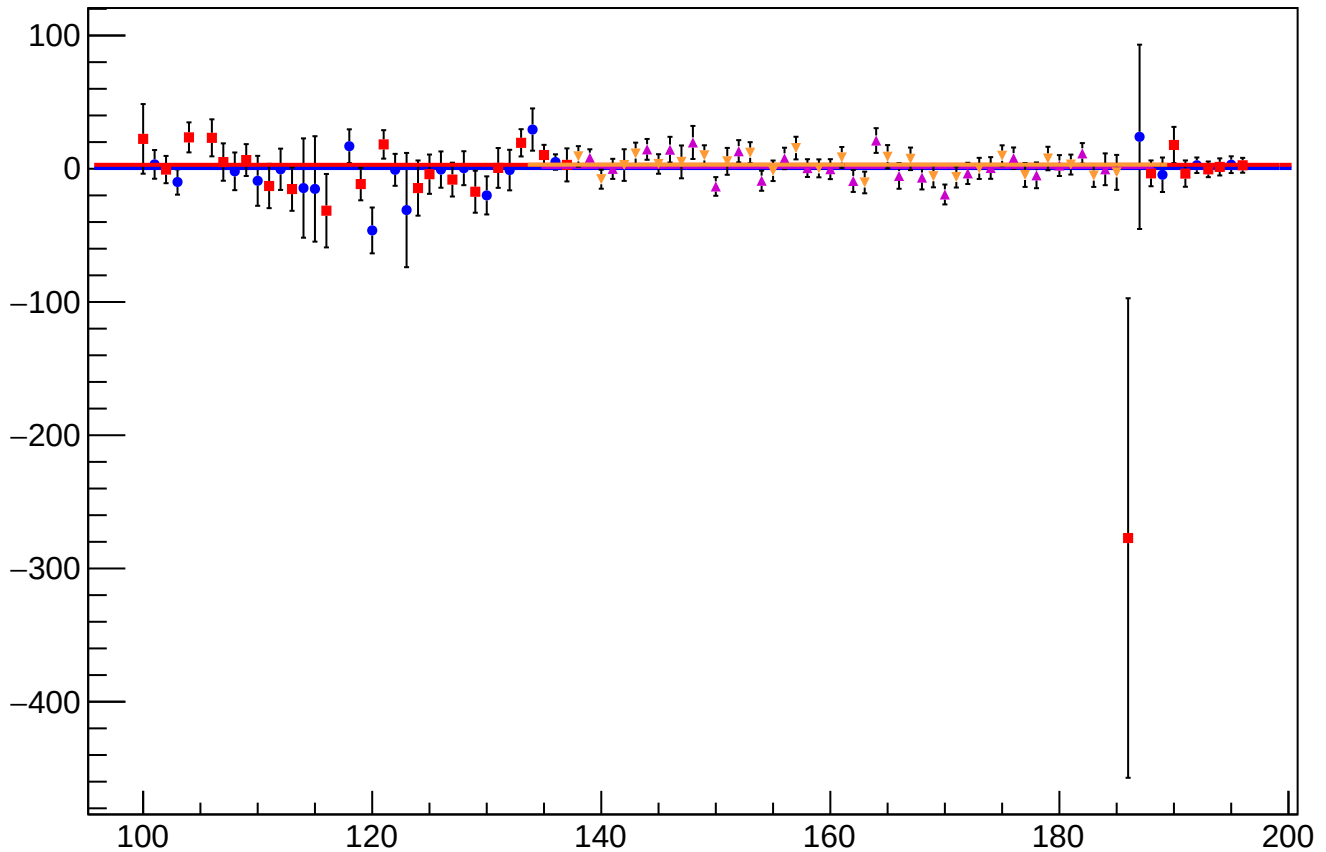
Right Out: 16753.302+/-3.690 χ^2/NDF : 1929751.4/25

All: 10281.754+/-1.017 χ^2/NDF : 9652331.4/50

- sign 10482.679+/-1.457 χ^2/NDF : 5631319.5/48

Left In: 9325.112+/-1.585 χ^2/NDF : 280927.7/22

diff_bpm4aY_mean vs Slug



Right In: 0.515 ± 2.457 χ^2/NDF : 18.1/20

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 2.967 ± 2.100 χ^2/NDF : 25.2/25

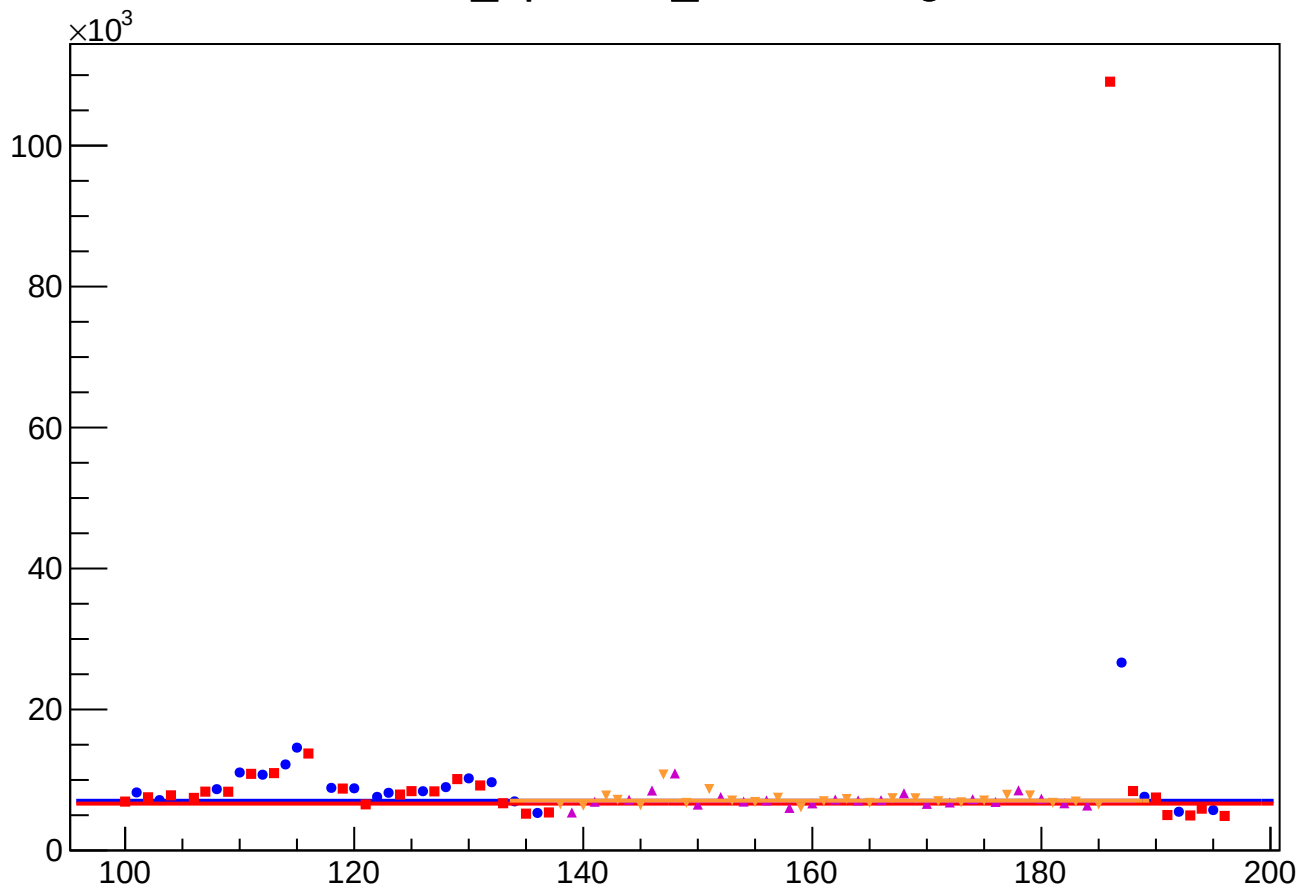
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.264 ± 1.375 χ^2/NDF : 37.1/45

All: 2.134 ± 0.951 χ^2/NDF : 98.1/94

- sign 2.014 ± 1.318 χ^2/NDF : 60.9/48

diff_bpm4aY_rms vs Slug



Right In: 7044.627 ± 1.737 $\chi^2/\text{NDF}: 1234287.1/20$

Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$

Right Out: 6647.671 ± 1.485 $\chi^2/\text{NDF}: 2060389.5/25$

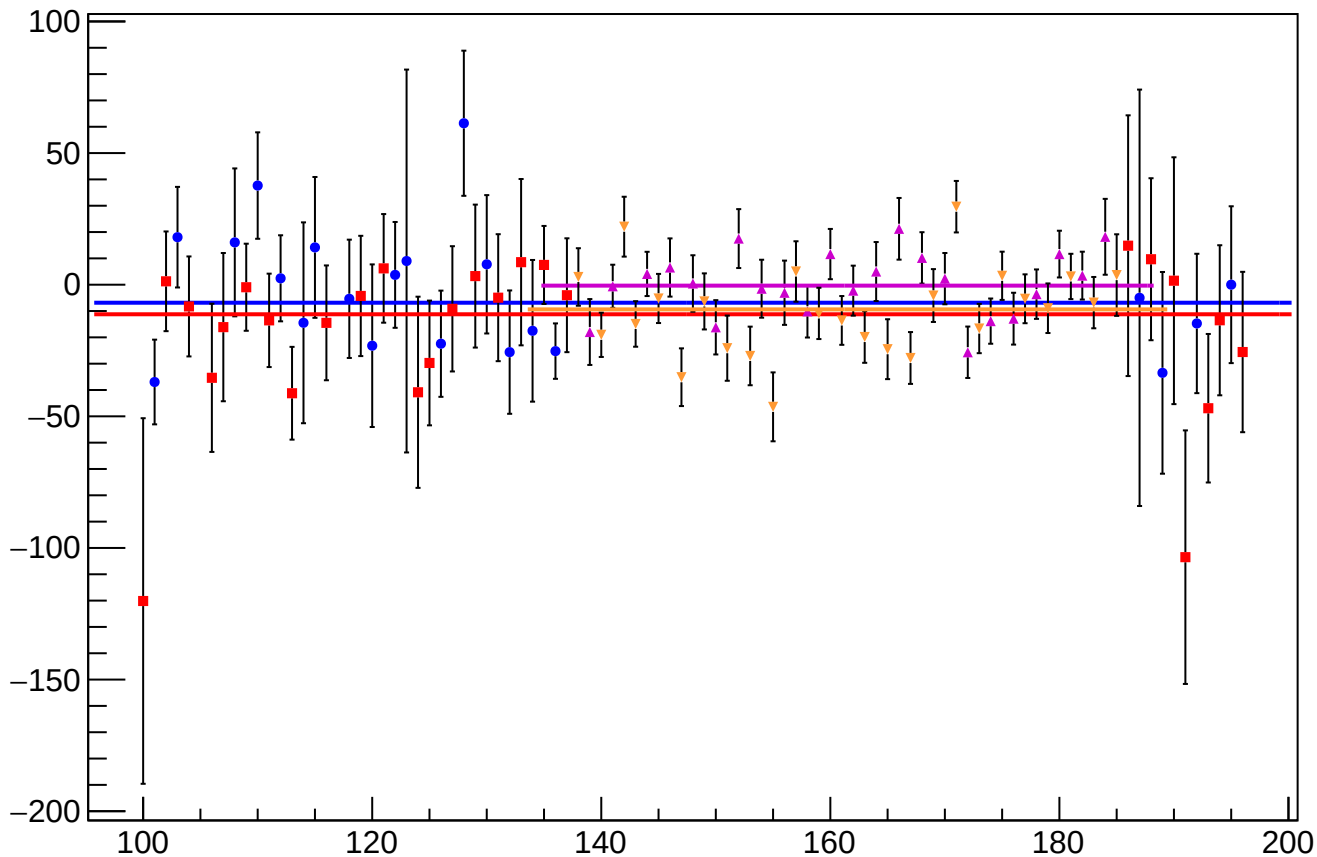
Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

+ sign 7059.874 ± 0.972 $\chi^2/\text{NDF}: 1621849.1/45$

All: 6956.497 ± 0.673 $\chi^2/\text{NDF}: 4288201.2/94$

- sign 6861.479 ± 0.932 $\chi^2/\text{NDF}: 2644648.5/48$

diff_bpm4eX_mean vs Slug



Right In: -6.847 ± 4.840 χ^2/NDF : 23.8/20

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -11.232 ± 4.677 χ^2/NDF : 17.9/25

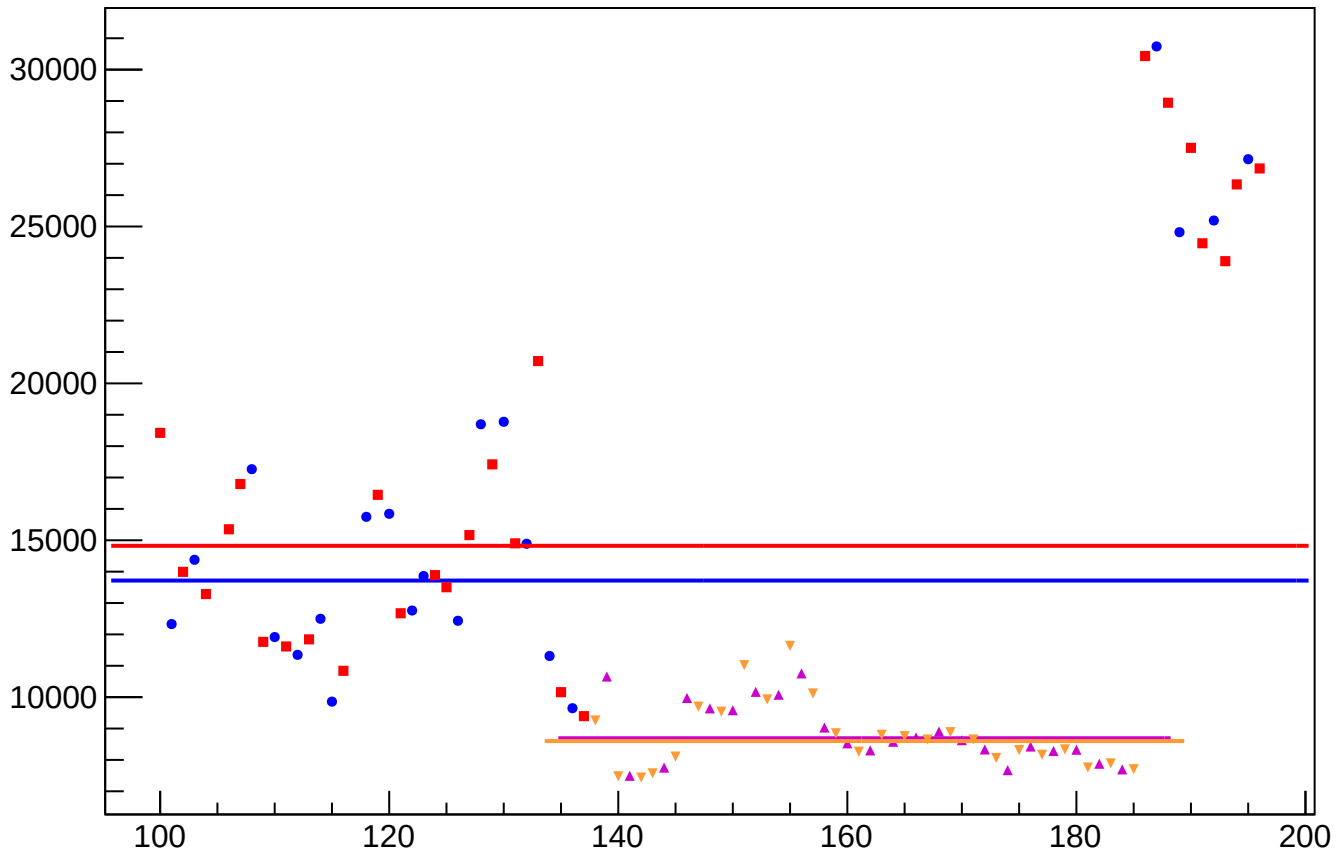
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.002 ± 1.862 χ^2/NDF : 82.4/45

All: -5.670 ± 1.333 χ^2/NDF : 141.0/94

- sign -2.167 ± 1.910 χ^2/NDF : 52.0/48

diff_bpm4eX_rms vs Slug



Right In: 13715.912+/-3.423 χ^2/NDF : 1691150.5/20

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

+ sign 9357.775+/-1.317 χ^2/NDF : 4032458.8/45

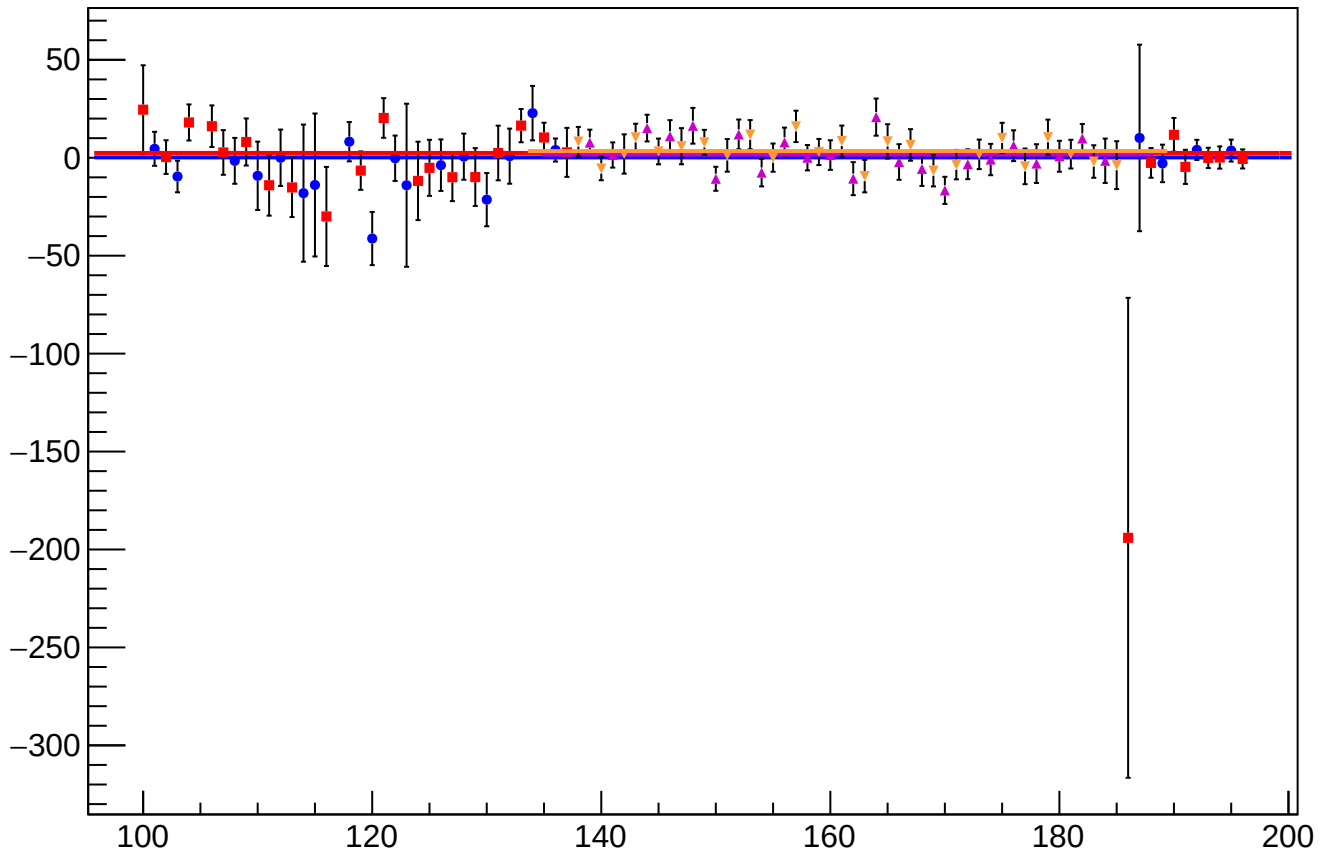
Right Out: 14823.558+/-3.307 χ^2/NDF : 2434269.5/25

All: 9530.818+/-0.943 χ^2/NDF : 9738556.3/94

- sign 9712.791+/-1.350 χ^2/NDF : 5670674.9/48

Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

diff_bpm4eY_mean vs Slug



Right In: 0.186 ± 2.194 χ^2/NDF : 19.3/20

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 2.462 ± 1.835 χ^2/NDF : 25.8/25

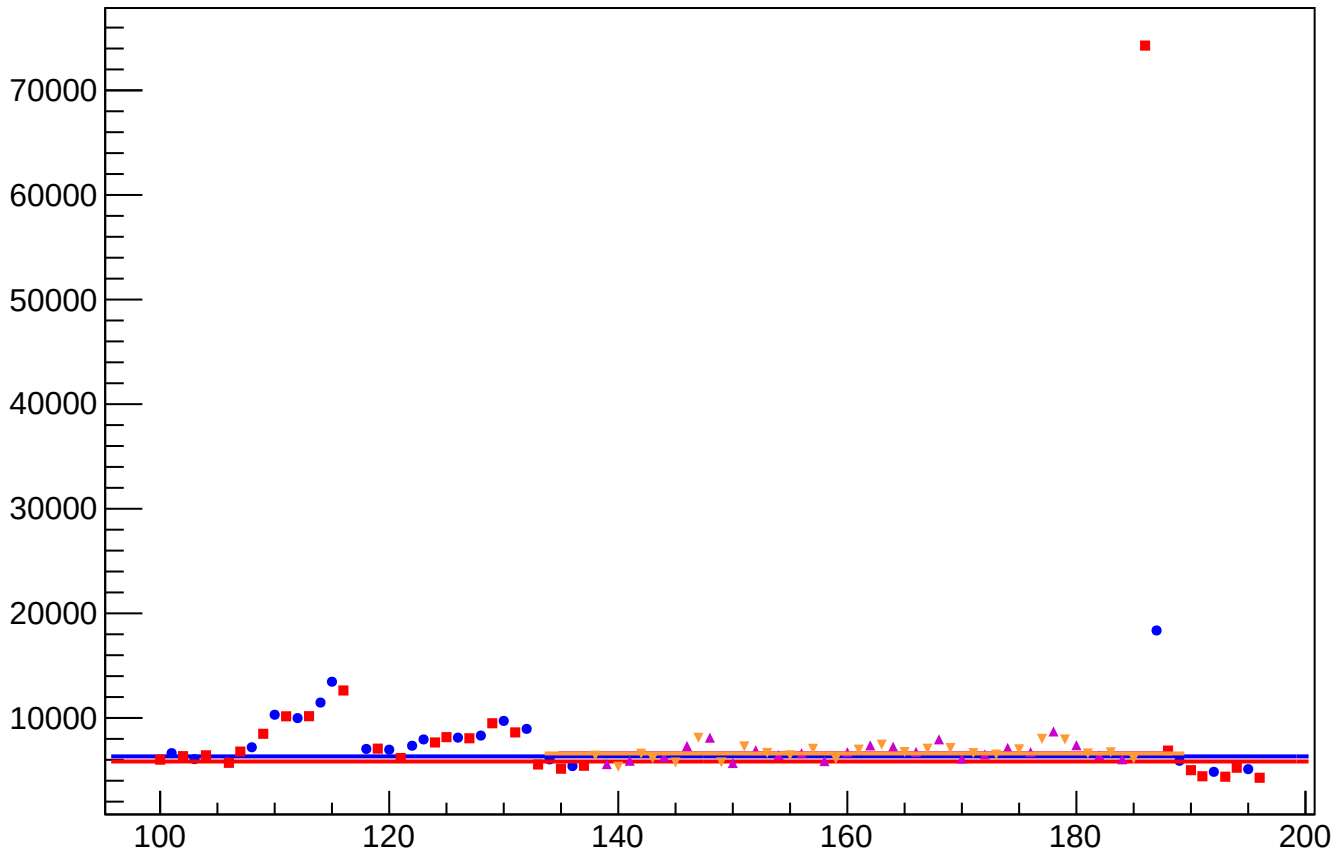
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.334 ± 1.266 χ^2/NDF : 37.5/45

All: 2.152 ± 0.873 χ^2/NDF : 96.9/94

- sign 1.987 ± 1.206 χ^2/NDF : 59.4/48

diff_bpm4eY_rms vs Slug



Right In: 6326.811 ± 1.552 $\chi^2/\text{NDF}: 1132797.3/20$

Left Out: 6607.100 ± 1.096 $\chi^2/\text{NDF}: 398416.1/24$

Right Out: 5839.283 ± 1.298 $\chi^2/\text{NDF}: 2097304.0/25$

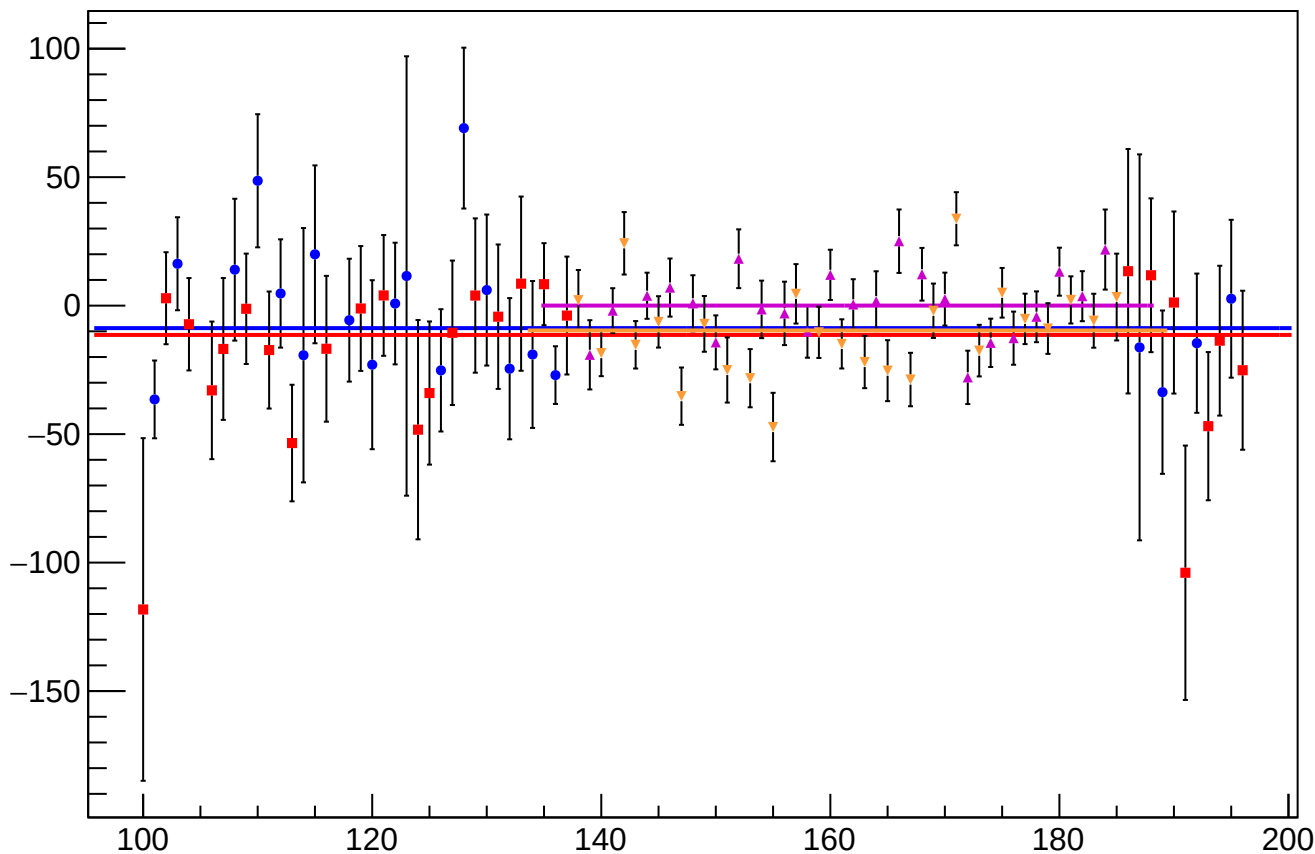
Left In: 6628.653 ± 1.131 $\chi^2/\text{NDF}: 430282.2/22$

+ sign 6513.769 ± 0.895 $\chi^2/\text{NDF}: 1552977.9/45$

All: 6395.304 ± 0.617 $\chi^2/\text{NDF}: 4324296.0/94$

- sign 6287.926 ± 0.852 $\chi^2/\text{NDF}: 2737946.3/48$

diff_bpm4acX_mean vs Slug



Right In: -8.752 ± 5.246 χ^2/NDF : 23.3/20

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -11.401 ± 5.110 χ^2/NDF : 18.3/25

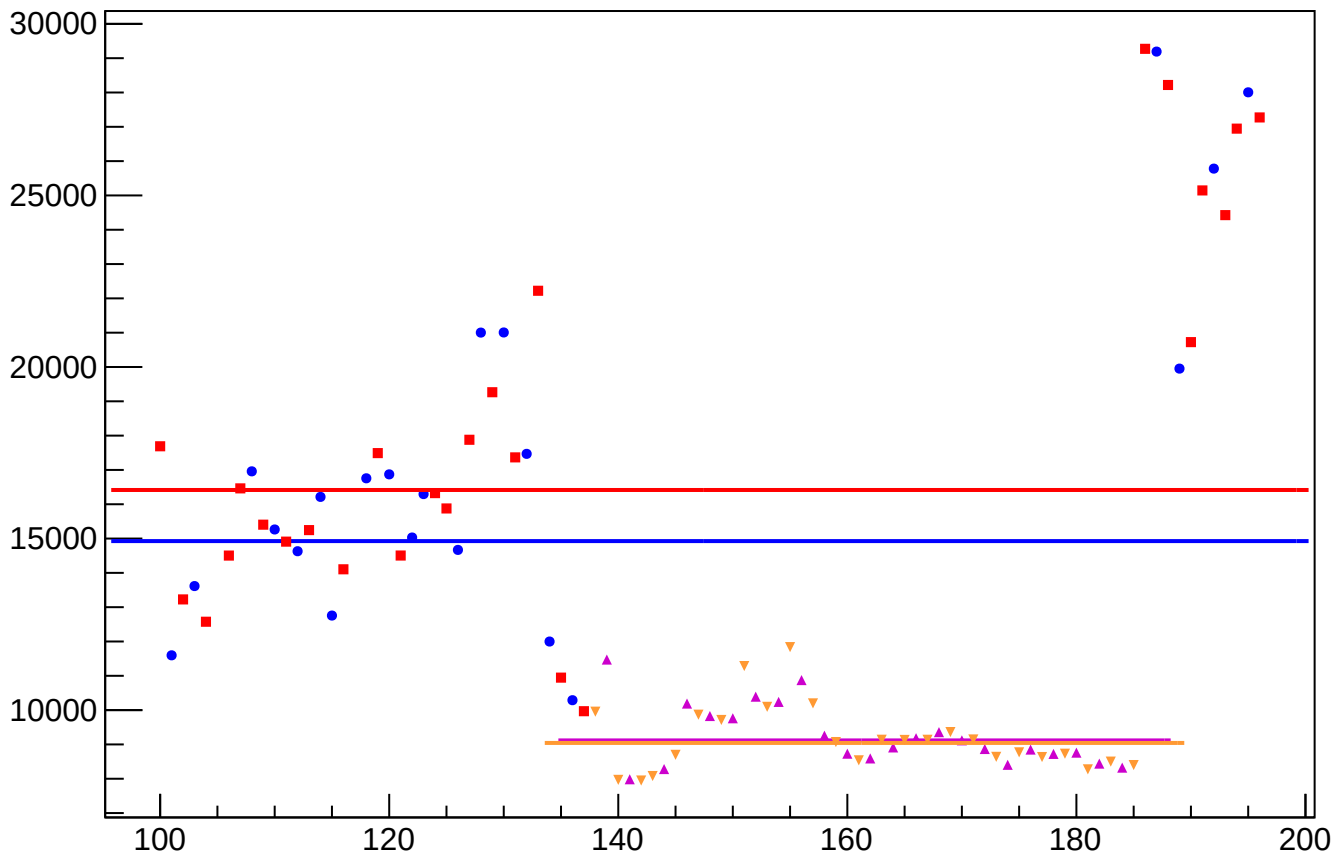
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.523 ± 1.964 χ^2/NDF : 83.1/45

All: -5.737 ± 1.406 χ^2/NDF : 143.8/94

- sign -1.755 ± 2.014 χ^2/NDF : 53.1/48

diff_bpm4acX_rms vs Slug



Right In: 14926.113+/-3.710 χ^2/NDF : 1493656.4/20

Left Out: 9043.485+/-1.498 χ^2/NDF : 328192.2/24

Right Out: 16415.559+/-3.613 χ^2/NDF : 1902986.4/25

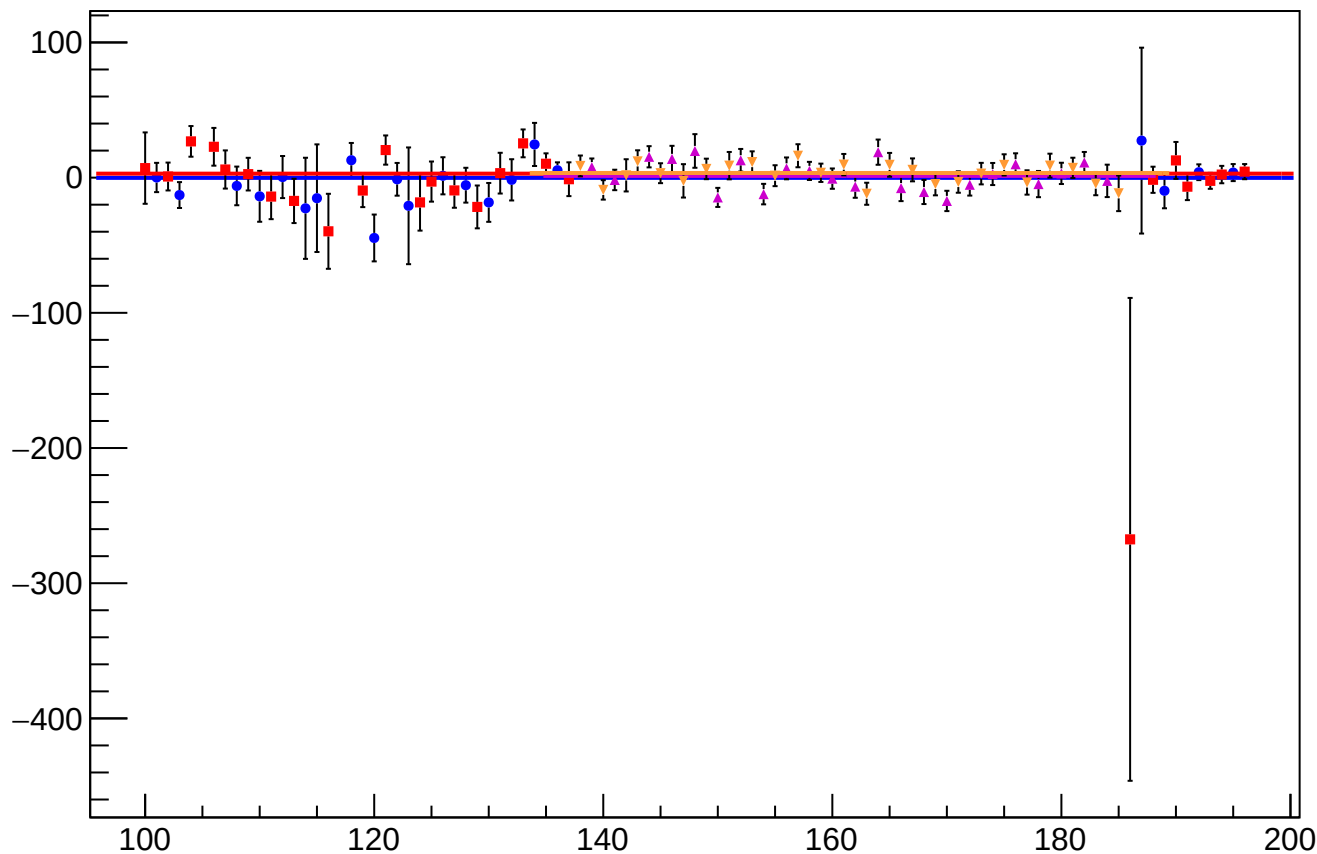
Left In: 9116.921+/-1.550 χ^2/NDF : 277594.8/22

+ sign 9868.001+/-1.389 χ^2/NDF : 3983843.1/45

All: 10054.741+/-0.994 χ^2/NDF : 9647397.5/50

- sign 10251.167+/-1.424 χ^2/NDF : 5626461.6/48

diff_bpm4acY_mean vs Slug



Right In: -0.164 ± 2.469 χ^2/NDF : 17.6/20

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 2.950 ± 2.111 χ^2/NDF : 30.3/25

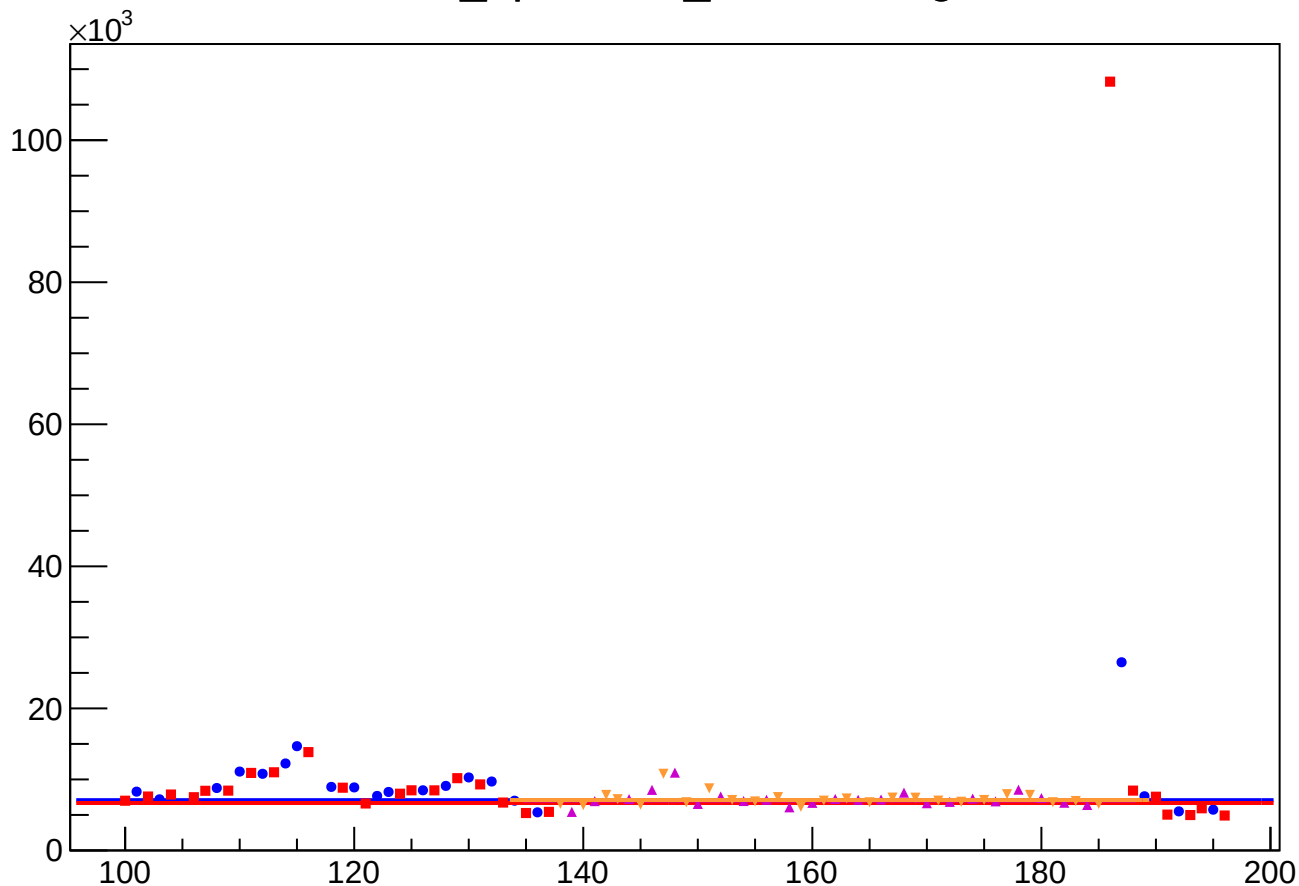
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.312 ± 1.381 χ^2/NDF : 38.0/45

All: 2.120 ± 0.956 χ^2/NDF : 105.2/94

- sign 1.944 ± 1.324 χ^2/NDF : 67.2/48

diff_bpm4acY_rms vs Slug



Right In: 7080.888 $\pm$ 1.746 χ^2/NDF : 1240536.5/20

Left Out: 7098.726 $\pm$ 1.178 χ^2/NDF : 382550.4/24

Right Out: 6684.270 $\pm$ 1.493 χ^2/NDF : 2063901.7/25

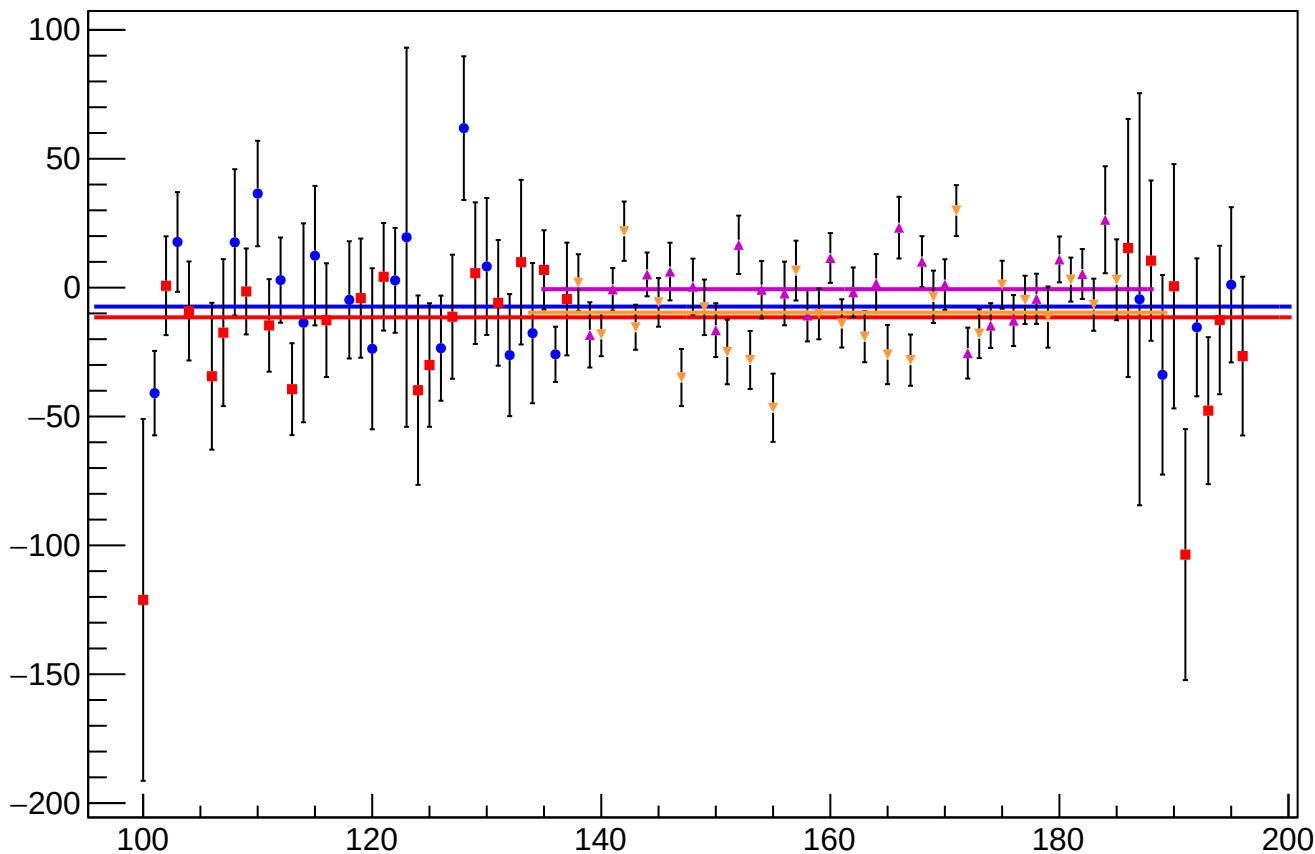
Left In: 7033.702 $\pm$ 1.203 χ^2/NDF : 541035.5/22

+ sign 7093.146 $\pm$ 0.977 χ^2/NDF : 1623158.7/45

All: 6990.511 $\pm$ 0.676 χ^2/NDF : 4282529.3/94

- sign 6896.133 $\pm$ 0.936 χ^2/NDF : 2638169.7/48

diff_bpm4ecX_mean vs Slug



Right In: -7.355 $\pm$ 4.904 χ^2/NDF : 24.4/20

Left Out: -9.640 $\pm$ 2.057 χ^2/NDF : 57.6/24

Right Out: -11.516 $\pm$ 4.742 χ^2/NDF : 17.0/25

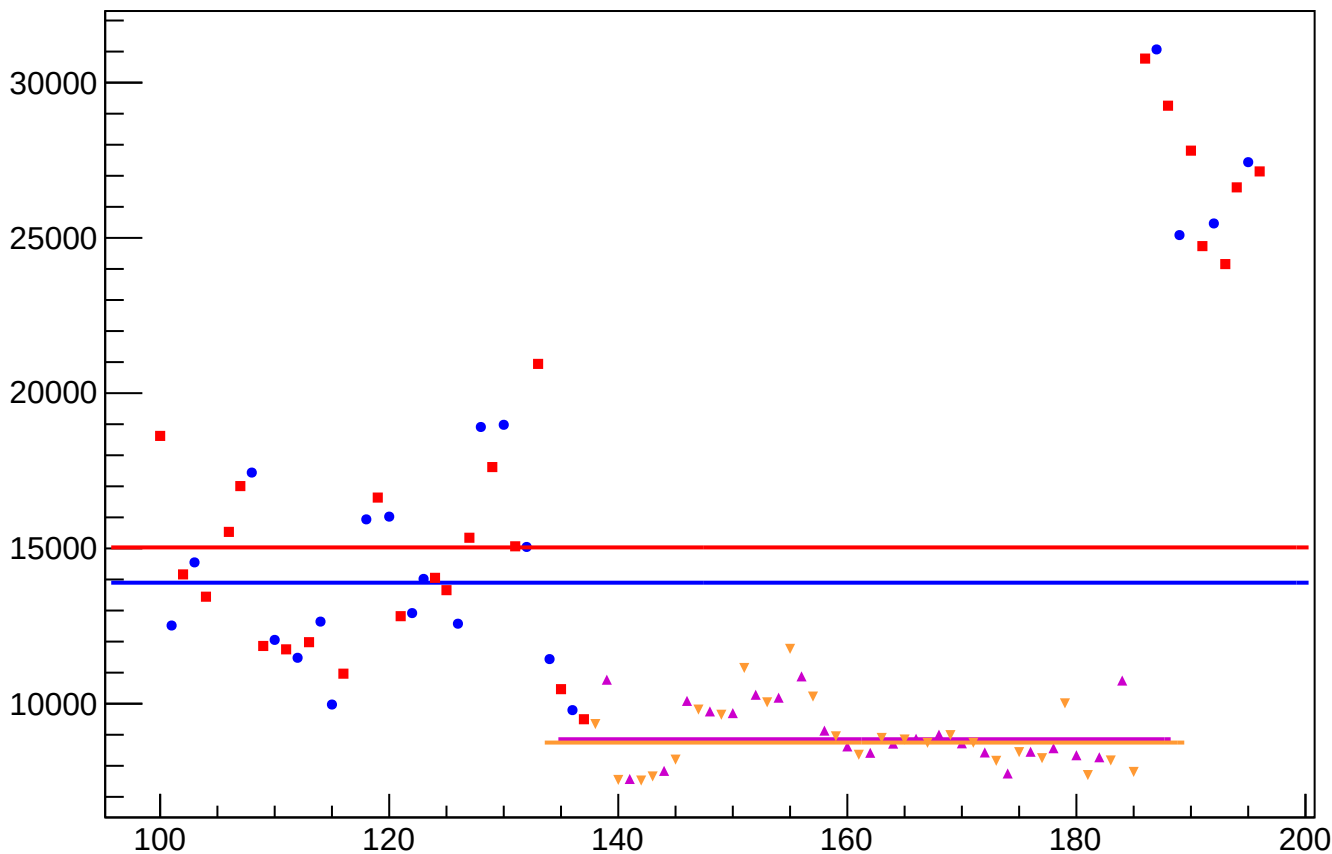
Left In: -0.599 $\pm$ 2.135 χ^2/NDF : 29.7/22

+ sign -9.298 $\pm$ 1.897 χ^2/NDF : 82.2/45

All: -5.957 $\pm$ 1.359 χ^2/NDF : 139.6/94

- sign -2.439 $\pm$ 1.947 χ^2/NDF : 51.0/48

diff_bpm4ecX_rms vs Slug



Right In: 13896.712+/-3.468 χ^2/NDF : 1679627.8/20

Left Out: 8748.407+/-1.455 χ^2/NDF :463394.1/24

Right Out: 15032.878+/-3.353 χ^2/NDF : 2408733.8/25

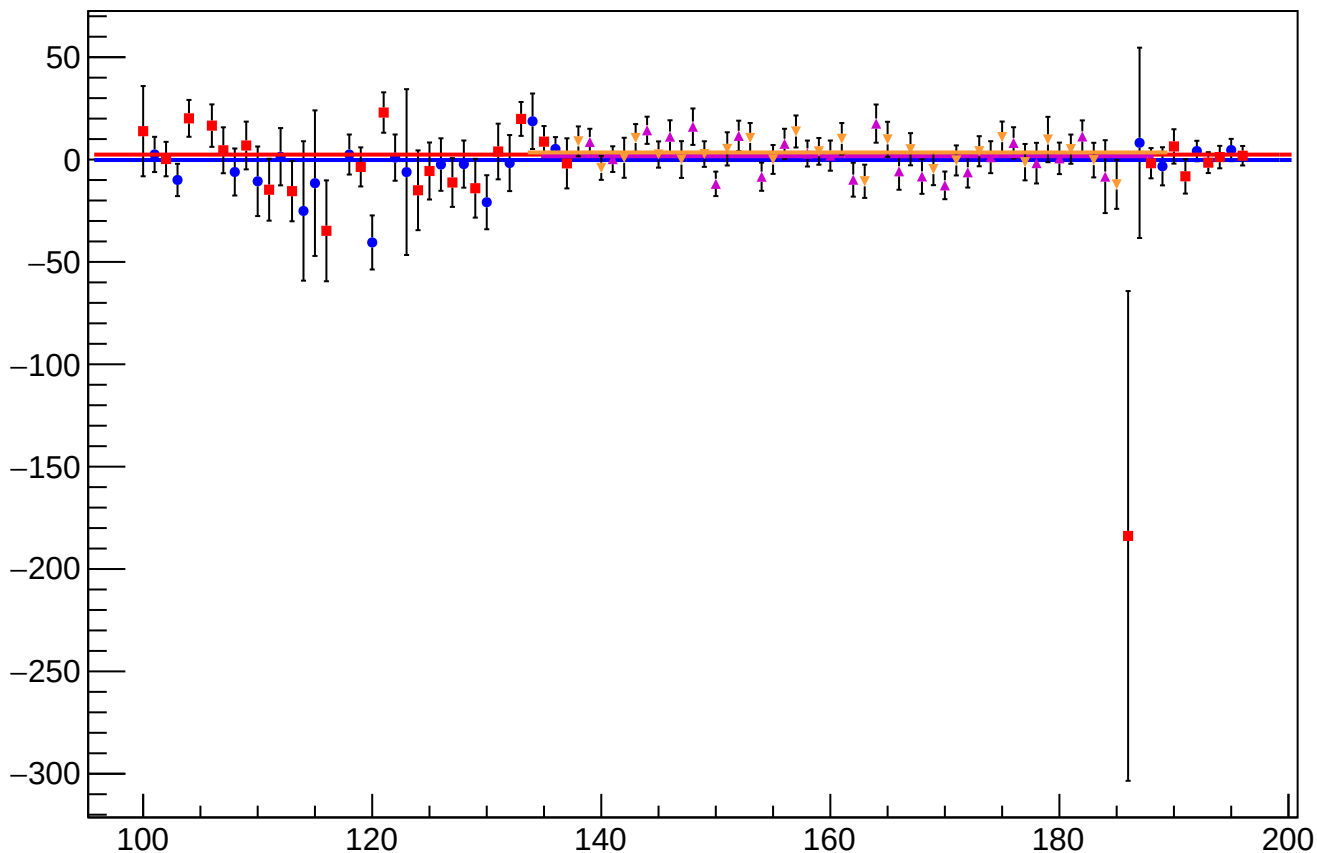
Left In: 8855.591+/-1.510 χ^2/NDF :367542.7/22

+ sign 9518.740+/-1.341 χ^2/NDF : 4017126.0/45

All: 9702.875+/-0.961 χ^2/NDF : 9654035.1/94

- sign 9896.782+/-1.377 χ^2/NDF : 5598226.3/48

diff_bpm4ecY_mean vs Slug



Right In: -0.228 ± 2.143 χ^2/NDF : 19.4/20

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 2.419 ± 1.793 χ^2/NDF : 30.2/25

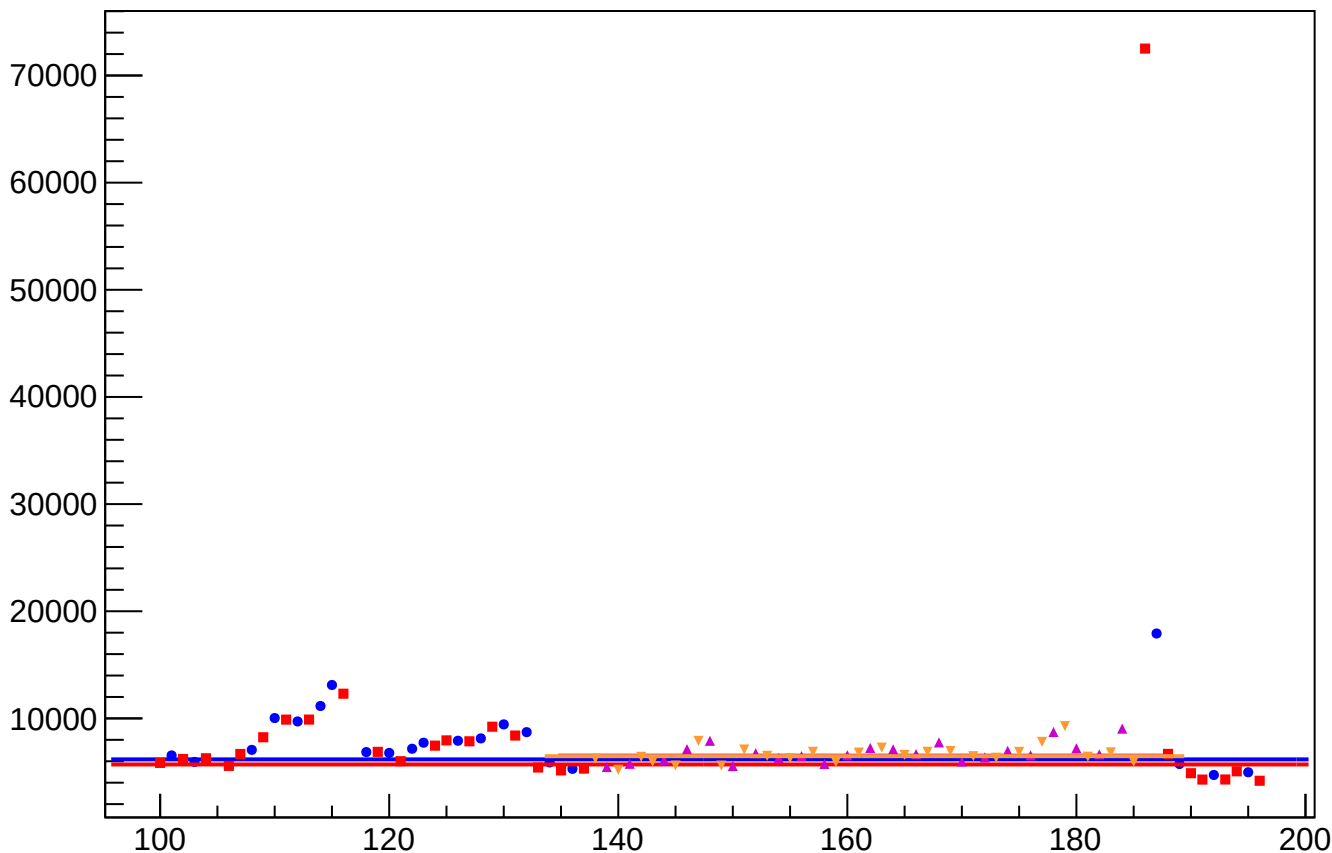
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.230 ± 1.242 χ^2/NDF : 37.1/45

All: 2.099 ± 0.857 χ^2/NDF : 101.2/94

- sign 1.979 ± 1.184 χ^2/NDF : 64.1/48

diff_bpm4ecY_rms vs Slug



Right In: 6174.684 ± 1.516 $\chi^2/\text{NDF}: 1132079.7/20$

Left Out: 6471.976 ± 1.078 $\chi^2/\text{NDF}: 490282.9/24$

Right Out: 5701.429 ± 1.268 $\chi^2/\text{NDF}: 2083790.1/25$

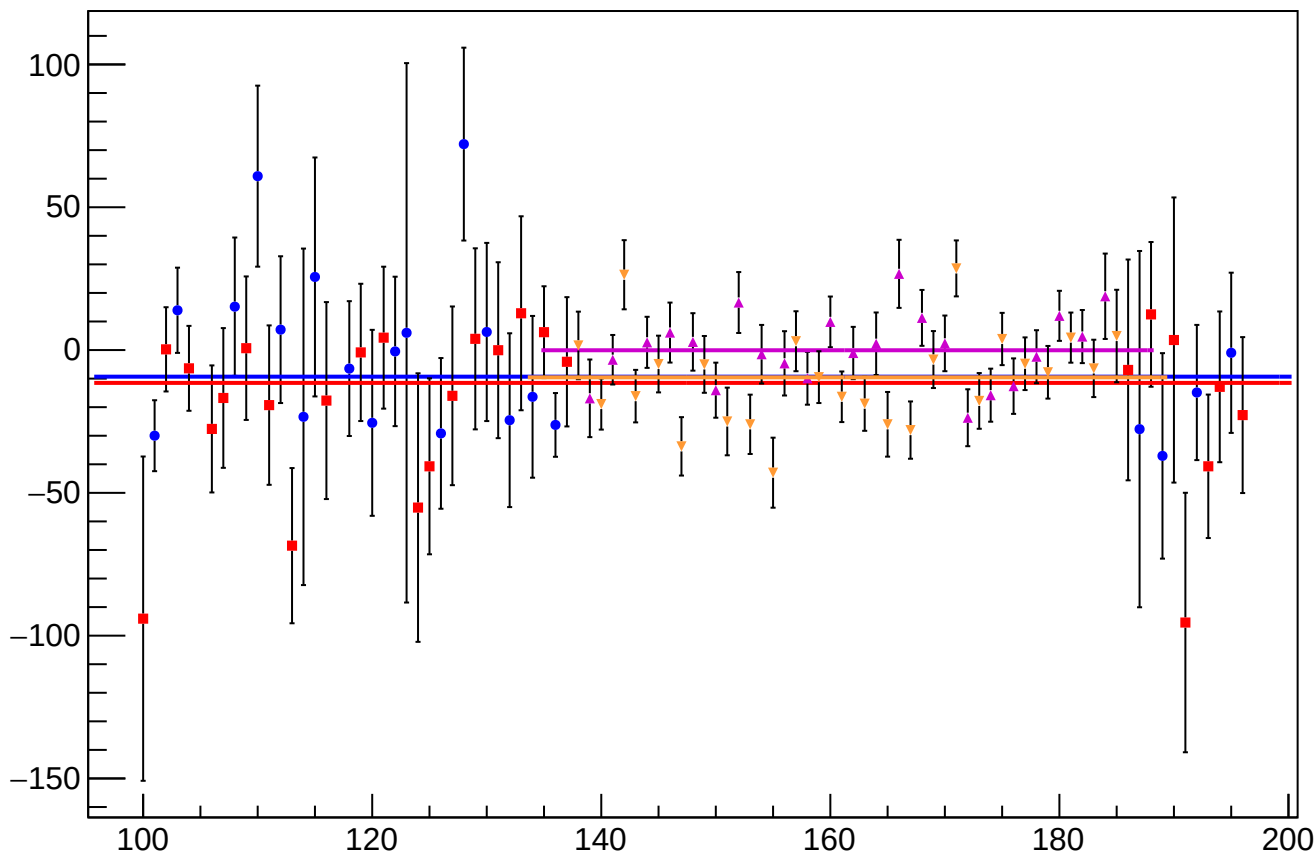
Left In: 6521.975 ± 1.116 $\chi^2/\text{NDF}: 480034.7/22$

+ sign 6372.118 ± 0.878 $\chi^2/\text{NDF}: 1647916.5/45$

All: 6262.981 ± 0.606 $\chi^2/\text{NDF}: 4477330.4/94$

- sign 6163.763 ± 0.838 $\chi^2/\text{NDF}: 2799940.9/48$

diff_bpm1X_mean vs Slug



Right In: -9.318 ± 5.120 χ^2/NDF : 22.8/20

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -11.499 ± 4.982 χ^2/NDF : 18.7/25

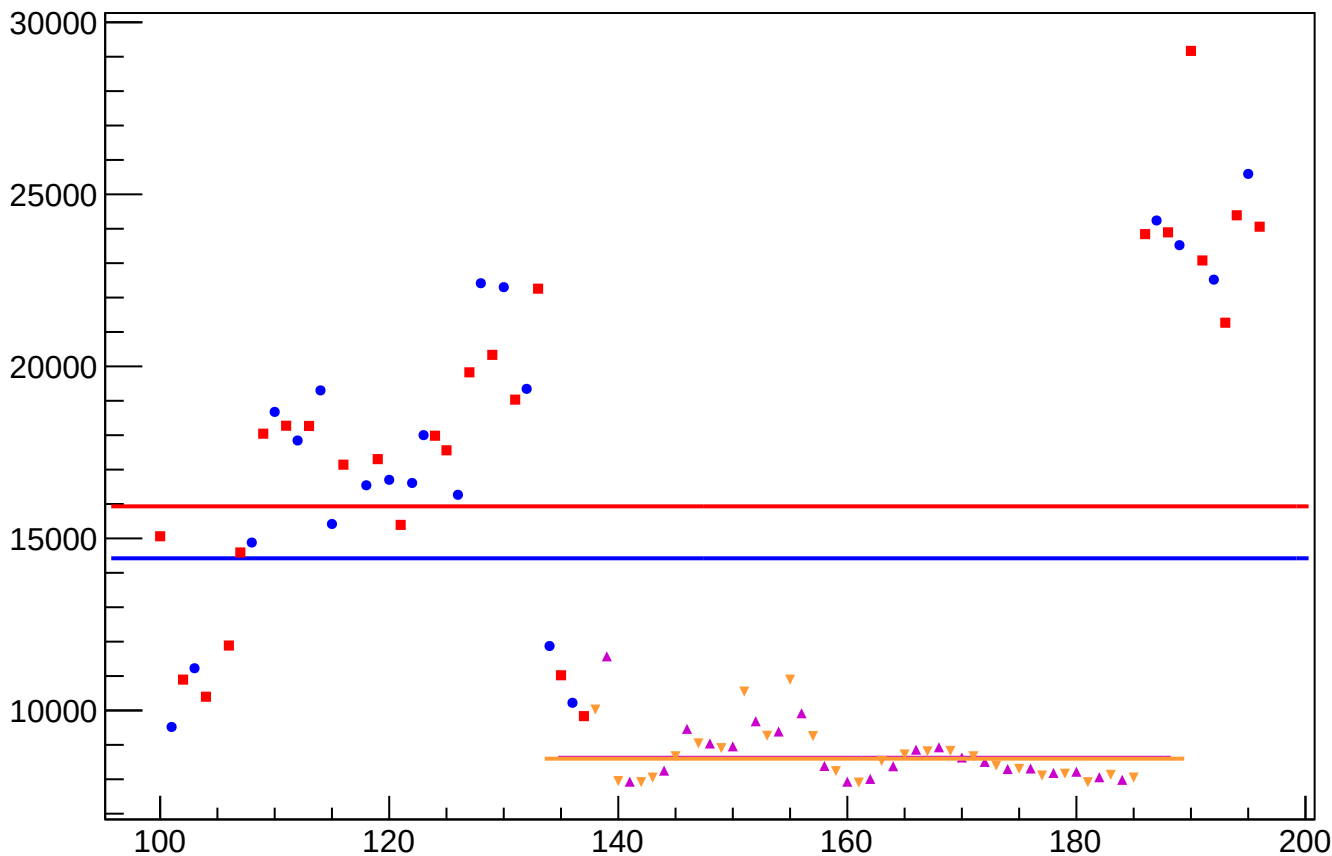
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.523 ± 1.872 χ^2/NDF : 82.3/45

All: -5.725 ± 1.338 χ^2/NDF : 143.7/94

- sign -1.758 ± 1.914 χ^2/NDF : 53.0/48

diff_bpm1X_rms vs Slug



Right In: 14422.340+/-3.621 χ^2/NDF : 1863532.9/20

Left Out: 8598.983+/-1.423 χ^2/NDF : 249070.5/24

+ sign 9377.730+/-1.324 χ^2/NDF : 4353630.4/45

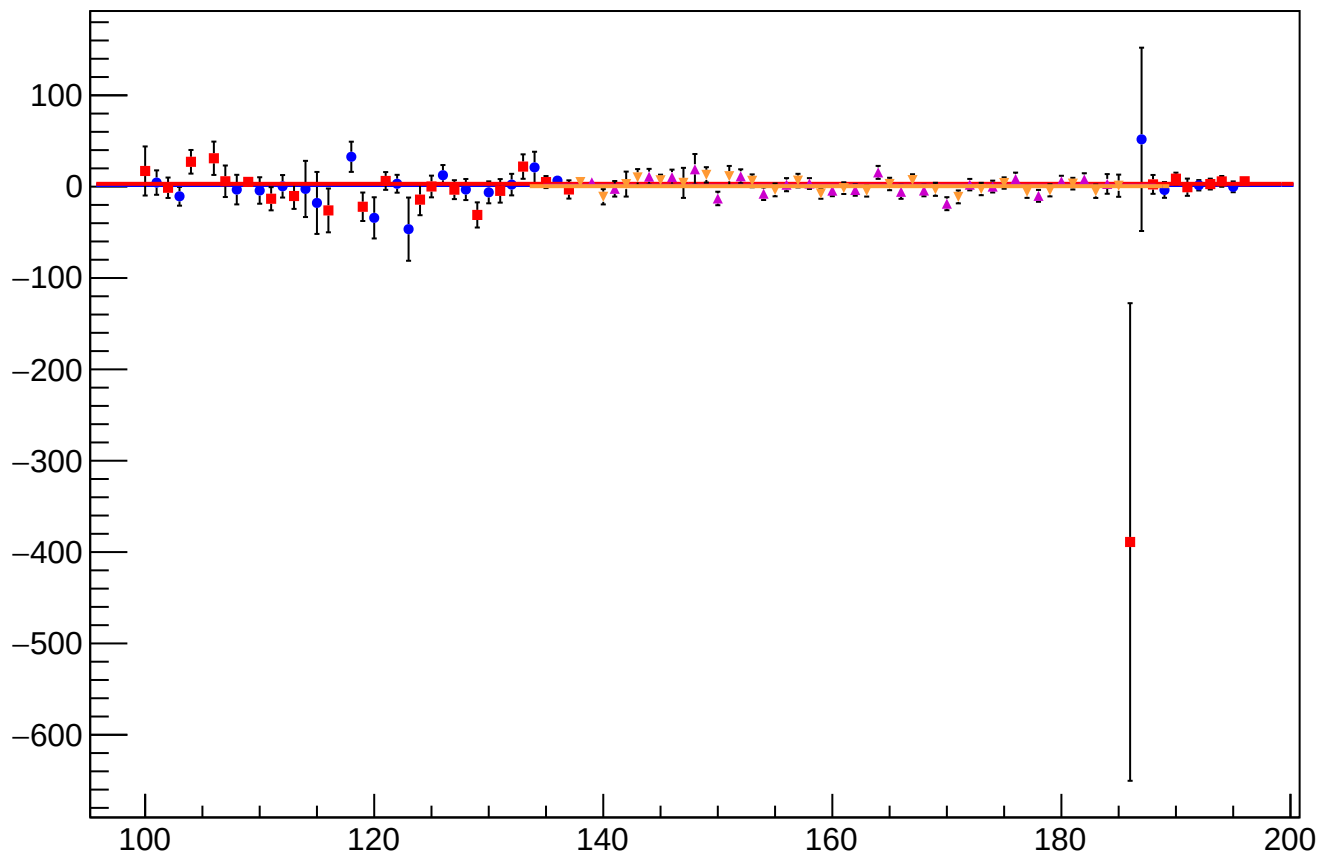
Right Out: 15932.243+/-3.523 χ^2/NDF : 2080722.9/25

All: 9536.939+/-0.946 χ^2/NDF : 10368215.7/9

Left In: 8625.233+/-1.466 χ^2/NDF : 237310.9/22

- sign 9703.251+/-1.353 χ^2/NDF : 5985020.8/48

diff_bpm1Y_mean vs Slug



Right In: 1.806 $\pm$ 2.215 χ^2 /NDF: 14.9/20

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.097 $\pm$ 1.818 χ^2 /NDF: 27.2/25

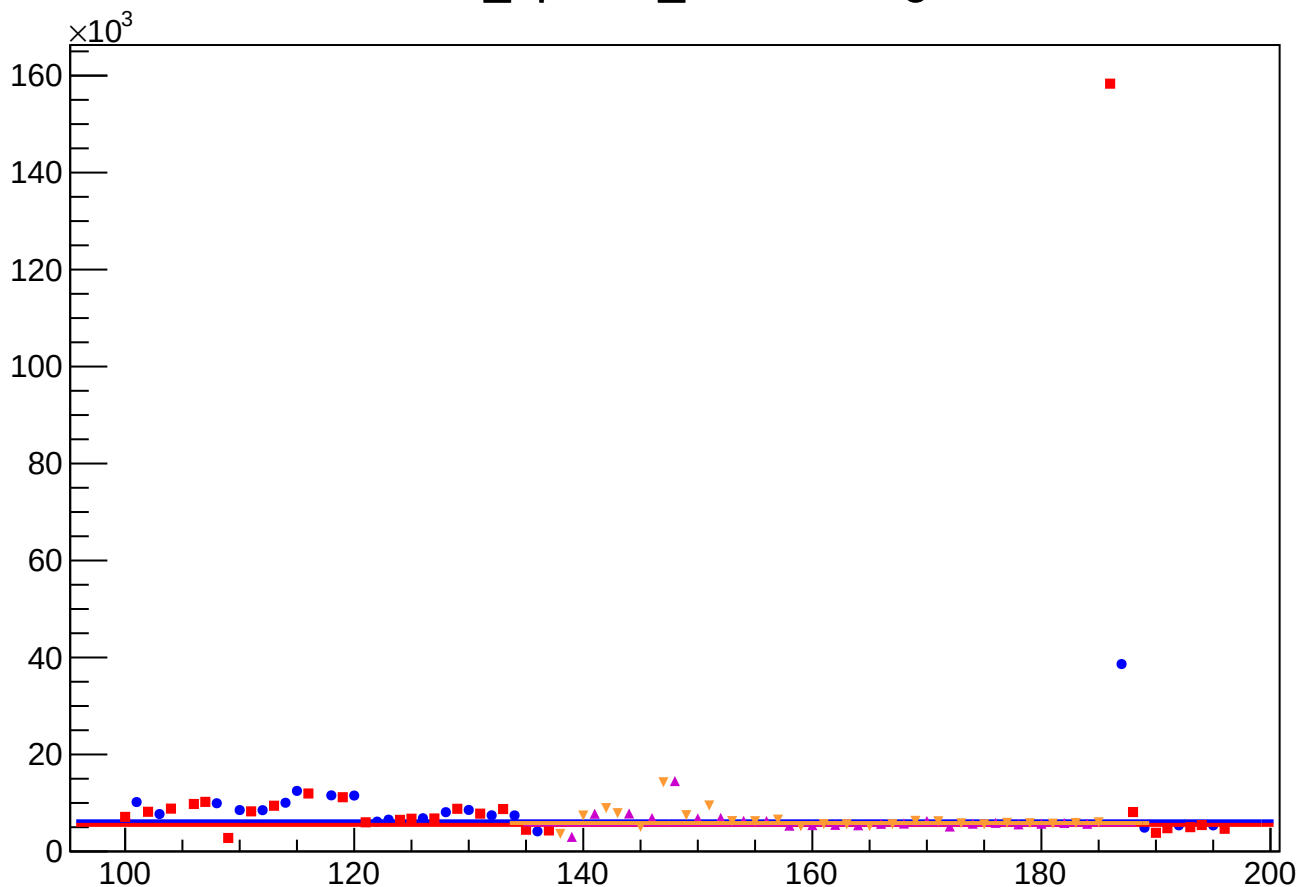
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.899 $\pm$ 1.194 χ^2 /NDF: 34.6/45

All: 1.388 $\pm$ 0.812 χ^2 /NDF: 95.4/94

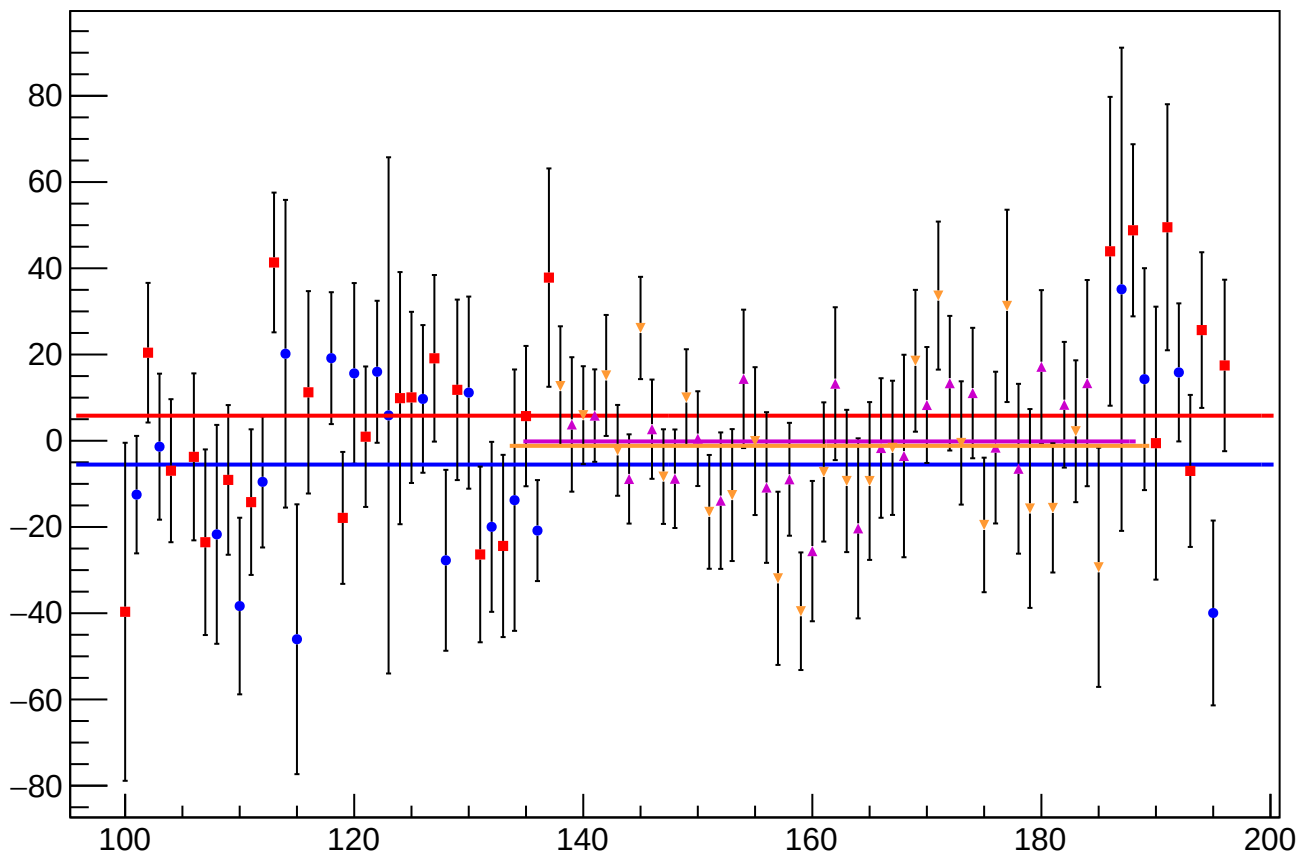
- sign 1.809 $\pm$ 1.107 χ^2 /NDF: 60.6/48

diff_bpm1Y_rms vs Slug



Right In: 6213.923 ± 1.566 $\chi^2/\text{NDF}: 1790415.2/20$ + sign 5963.307 ± 0.844 $\chi^2/\text{NDF}: 3516576.4/45$
 Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$ All: 5735.236 ± 0.574 $\chi^2/\text{NDF}: 9150370.4/94$
 Right Out: 5484.598 ± 1.286 $\chi^2/\text{NDF}: 3332422.6/25$ - sign 5539.171 ± 0.783 $\chi^2/\text{NDF}: 5498075.1/48$
 Left In: 5571.330 ± 0.987 $\chi^2/\text{NDF}: 2162788.3/22$

diff_bpm11X_mean vs Slug



Right In: -5.525 ± 4.225 χ^2/NDF : 21.2/20

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 5.815 ± 3.881 χ^2/NDF : 31.4/25

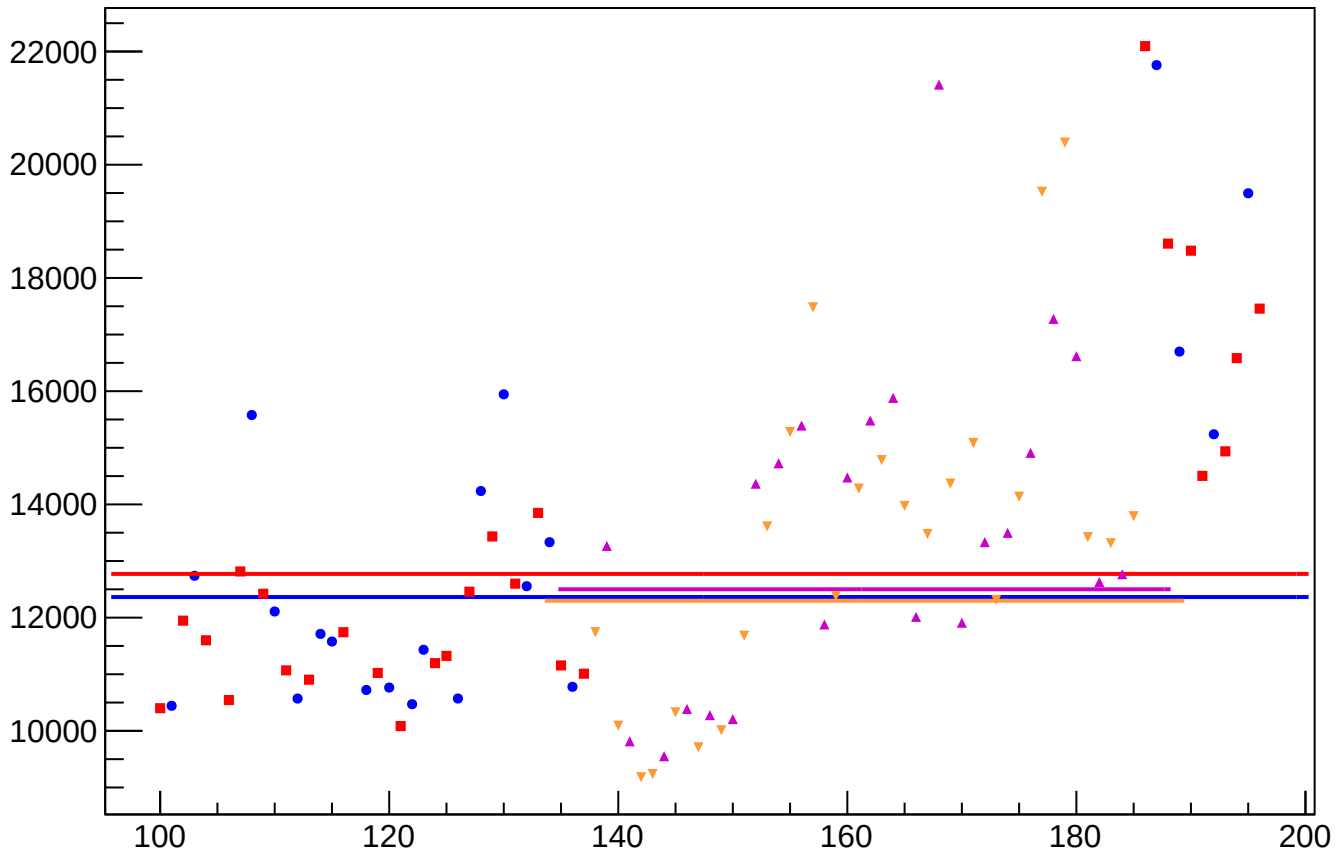
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.598 ± 2.413 χ^2/NDF : 55.6/45

All: -0.223 ± 1.702 χ^2/NDF : 101.9/94

- sign 2.131 ± 2.402 χ^2/NDF : 44.3/48

diff_bpm11X_rms vs Slug



Right In: 12364.001 +/- 2.988 χ^2/NDF : 691788.7/20

Left Out: 12298.676 +/- 2.078 χ^2/NDF : 1506026.8/24

Right Out: 12772.574 +/- 2.744 χ^2/NDF : 844134.7/25

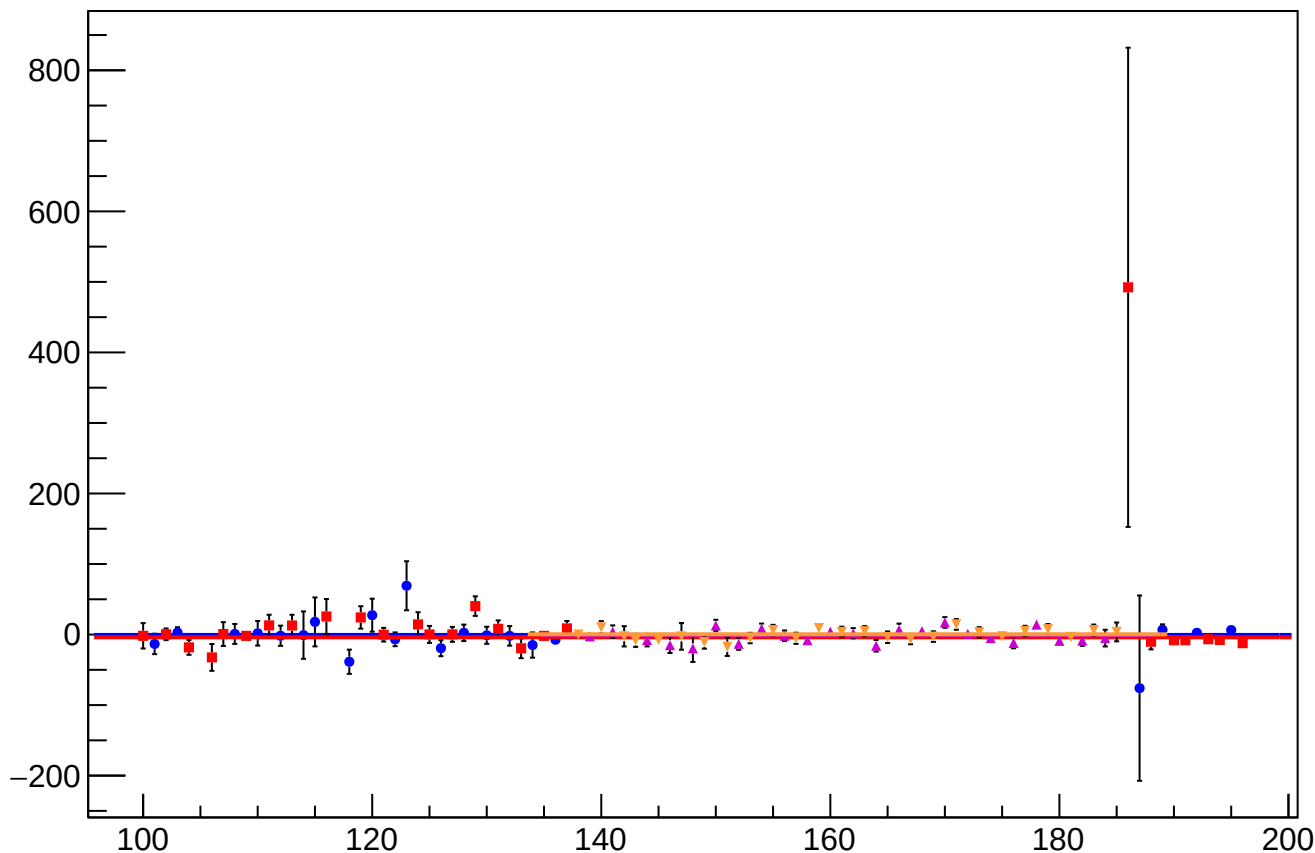
Left In: 12500.795 +/- 2.162 χ^2/NDF : 1357889.1/22

+ sign 12319.975 +/- 1.706 χ^2/NDF : 2198137.7/45

All: 12463.075 +/- 1.204 χ^2/NDF : 4420222.3/50

- sign 12604.905 +/- 1.698 χ^2/NDF : 2208075.2/48

diff_bpm11Y_mean vs Slug



Right In: -0.522 ± 2.044 χ^2/NDF : 21.2/20

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -3.921 ± 1.696 χ^2/NDF : 34.0/25

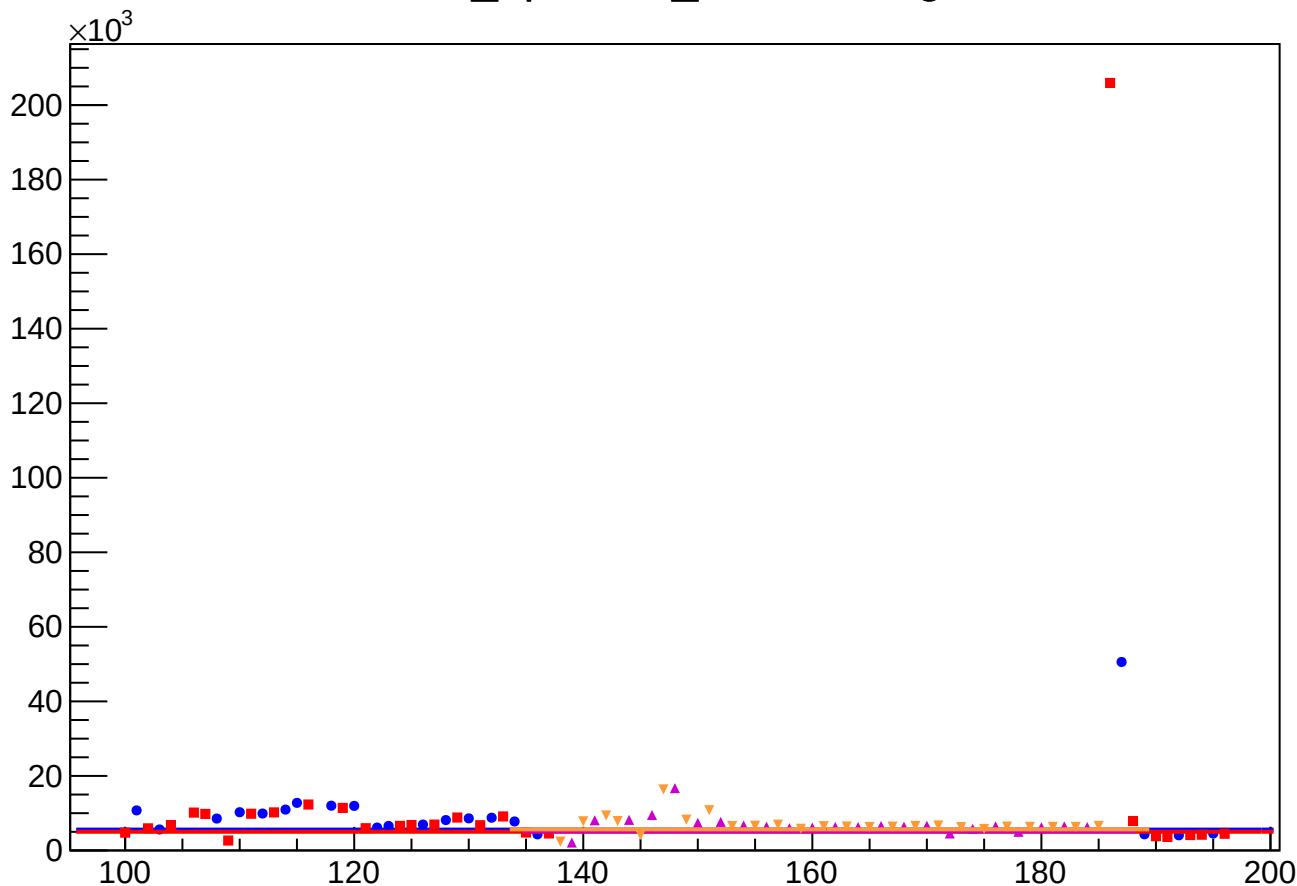
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.065 ± 1.174 χ^2/NDF : 40.4/45

All: -1.206 ± 0.789 χ^2/NDF : 111.7/94

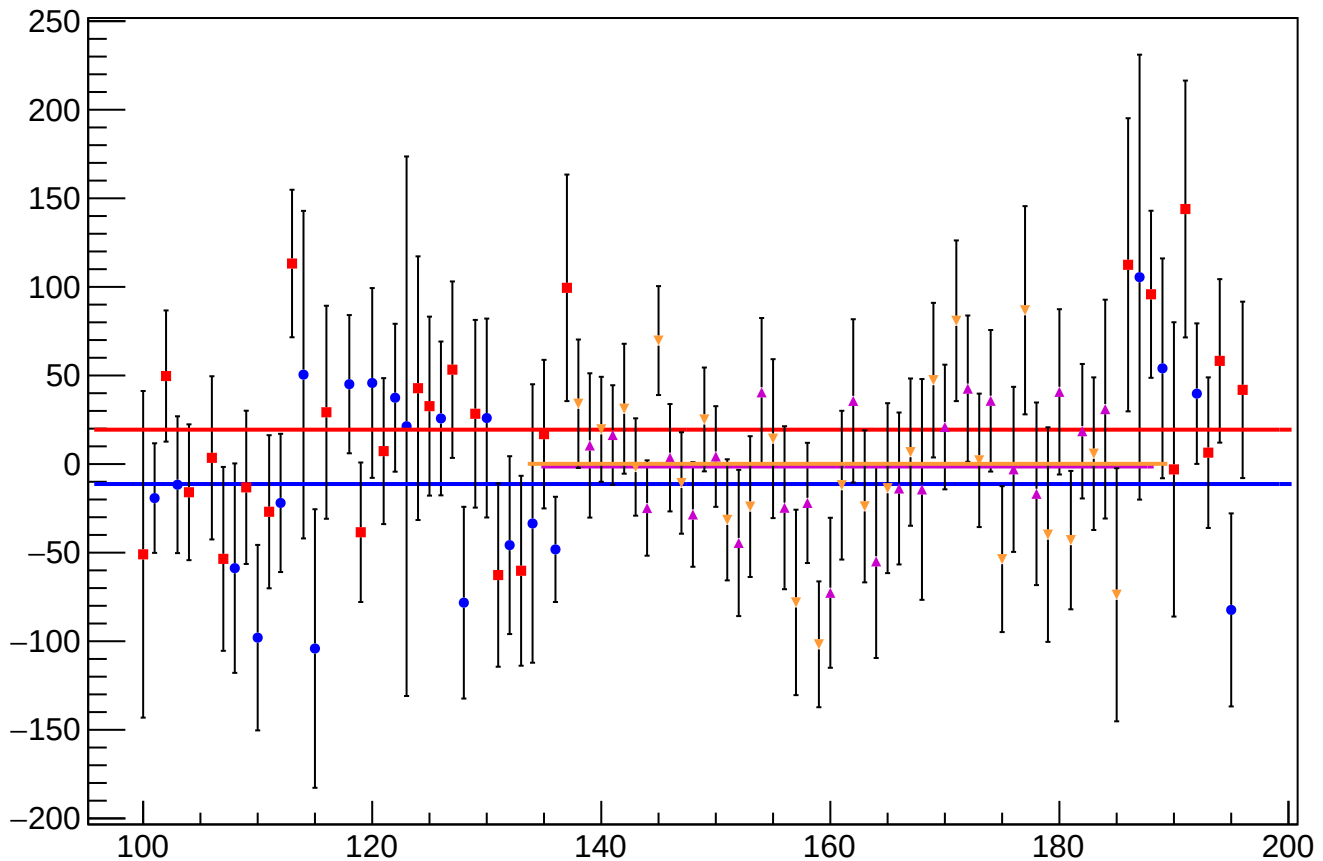
- sign -2.254 ± 1.066 χ^2/NDF : 69.2/48

diff_bpm11Y_rms vs Slug



Right In: 5599.464 $\pm$ 1.445	χ^2/NDF : 2394169.4/20	+ sign 5639.671 $\pm$ 0.830	χ^2/NDF : 6523907.2/45
Left Out: 5659.441 $\pm$ 1.014	χ^2/NDF : 4128583.6/24	All: 5338.550 $\pm$ 0.558	χ^2/NDF : 15741267.2/9
Right Out: 5016.726 $\pm$ 1.199	χ^2/NDF : 3475215.9/25	- sign 5089.922 $\pm$ 0.754	χ^2/NDF : 8976985.0/48
Left In: 5137.772 $\pm$ 0.970	χ^2/NDF : 5495609.7/22		

diff_bpm12X_mean vs Slug



Right In: -11.265 $\pm$ 10.481 χ^2/NDF : 20.1/20

Left Out: 0.143 $\pm$ 7.683 χ^2/NDF : 31.3/24

Right Out: 19.413 $\pm$ 9.643 χ^2/NDF : 28.1/25

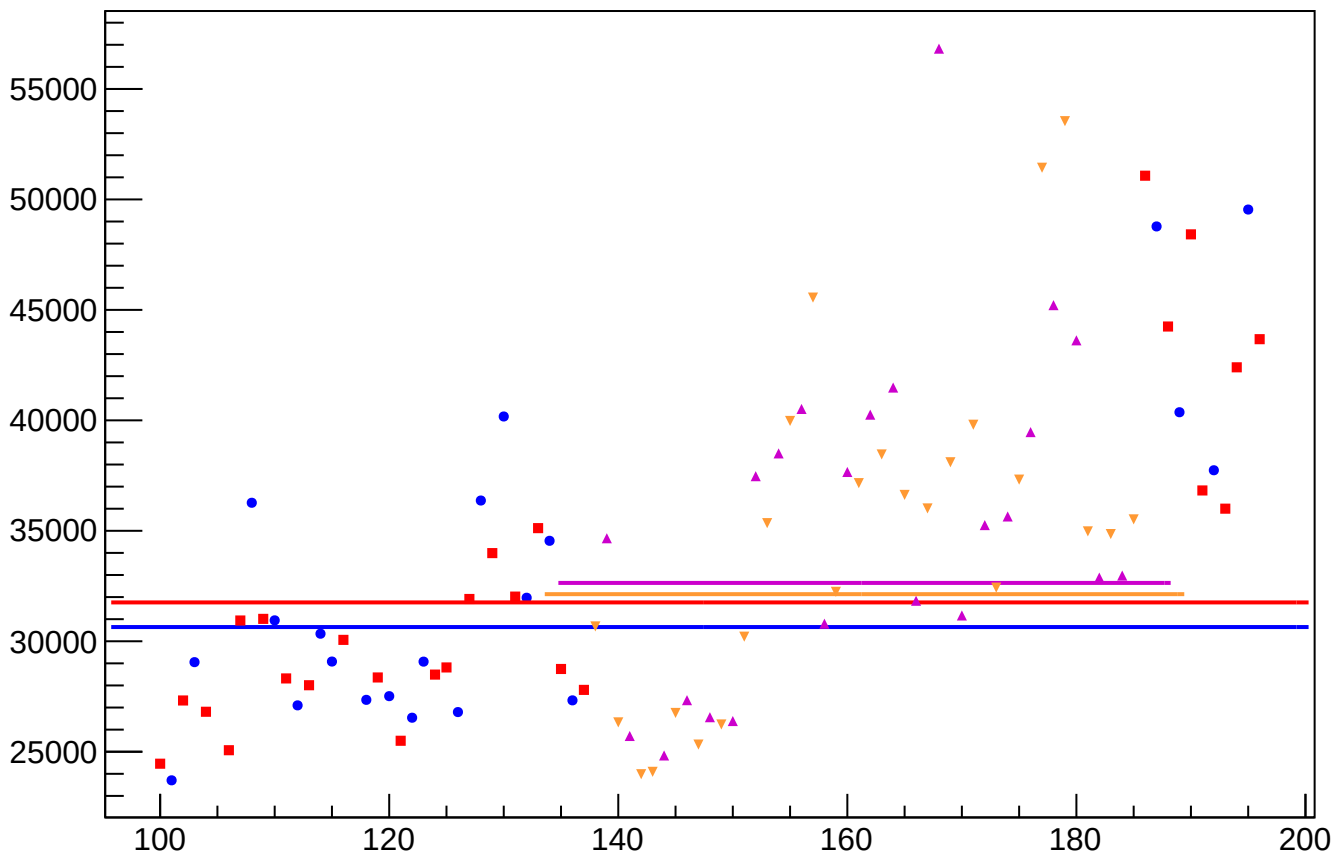
Left In: -1.374 $\pm$ 7.990 χ^2/NDF : 13.3/22

+ sign -3.845 $\pm$ 6.197 χ^2/NDF : 52.2/45

All: 1.660 $\pm$ 4.366 χ^2/NDF : 97.9/94

- sign 7.088 $\pm$ 6.153 χ^2/NDF : 44.2/48

diff_bpm12X_rms vs Slug



Right In: 30643.524+/-7.411 χ^2/NDF : 702793.4/20

Left Out: 32132.314+/-5.433 χ^2/NDF : 1540079.4/24

Right Out: 31758.242+/-6.819 χ^2/NDF : 830174.8/25

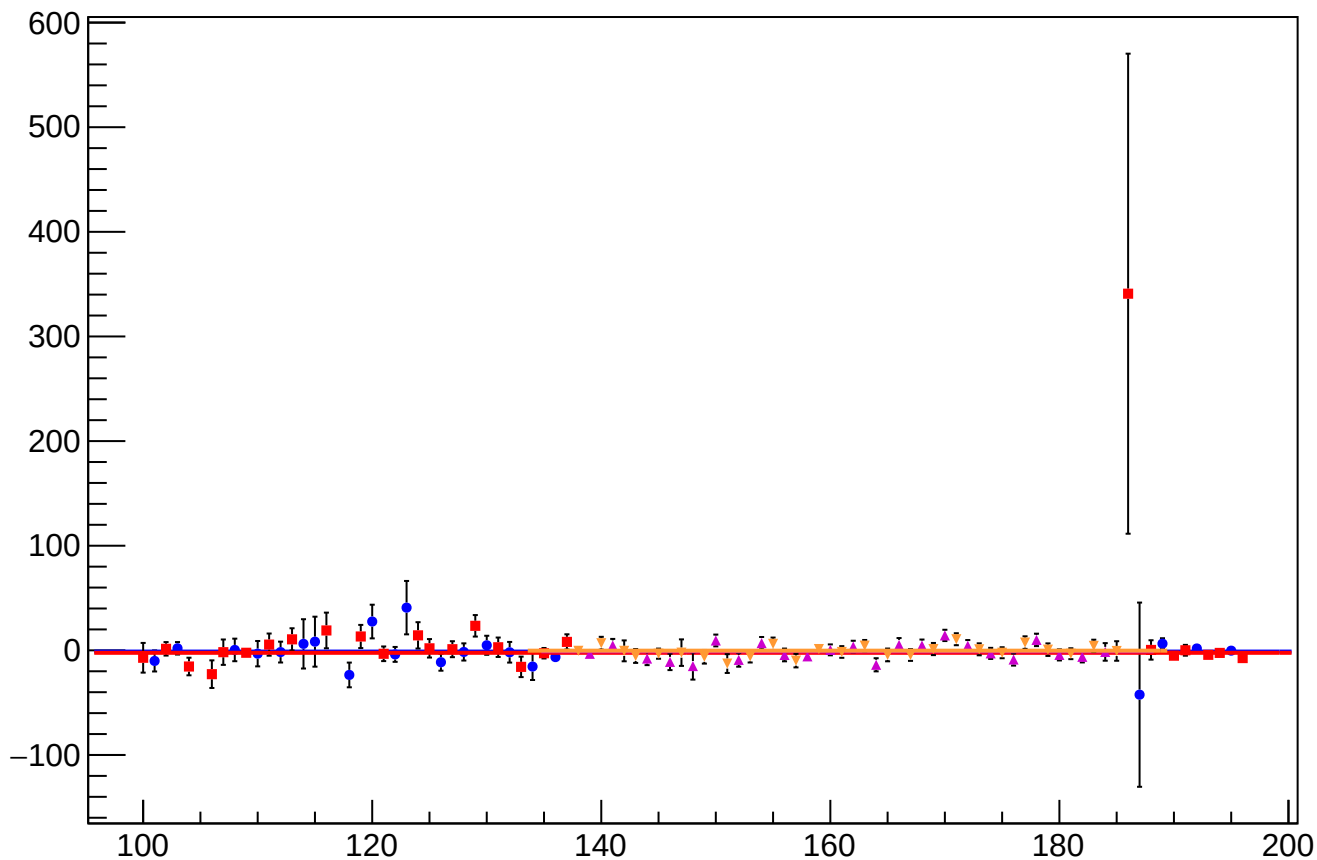
Left In: 32641.162+/-5.650 χ^2/NDF : 1402162.4/22

+ sign 31611.907+/-4.382 χ^2/NDF : 2269121.9/45

All: 31949.211+/-3.087 χ^2/NDF : 4523168.3/95

- sign 32281.748+/-4.351 χ^2/NDF : 2242278.0/48

diff_bpm12Y_mean vs Slug



Right In: -1.162 ± 1.434 χ^2/NDF : 20.0/20

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -2.352 ± 1.225 χ^2/NDF : 29.5/25

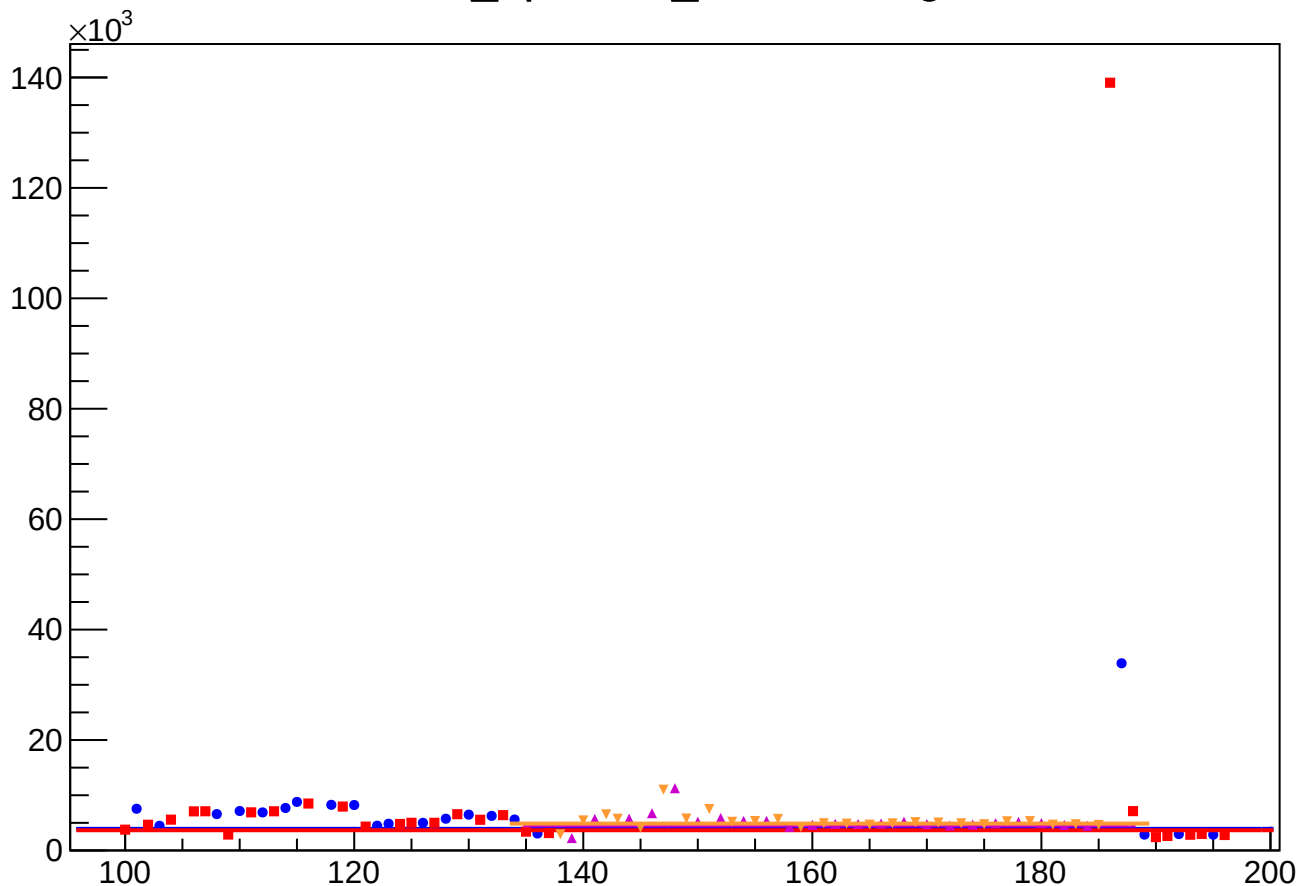
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.652 ± 0.907 χ^2/NDF : 37.9/45

All: -1.154 ± 0.615 χ^2/NDF : 104.9/94

- sign -1.580 ± 0.835 χ^2/NDF : 66.4/48

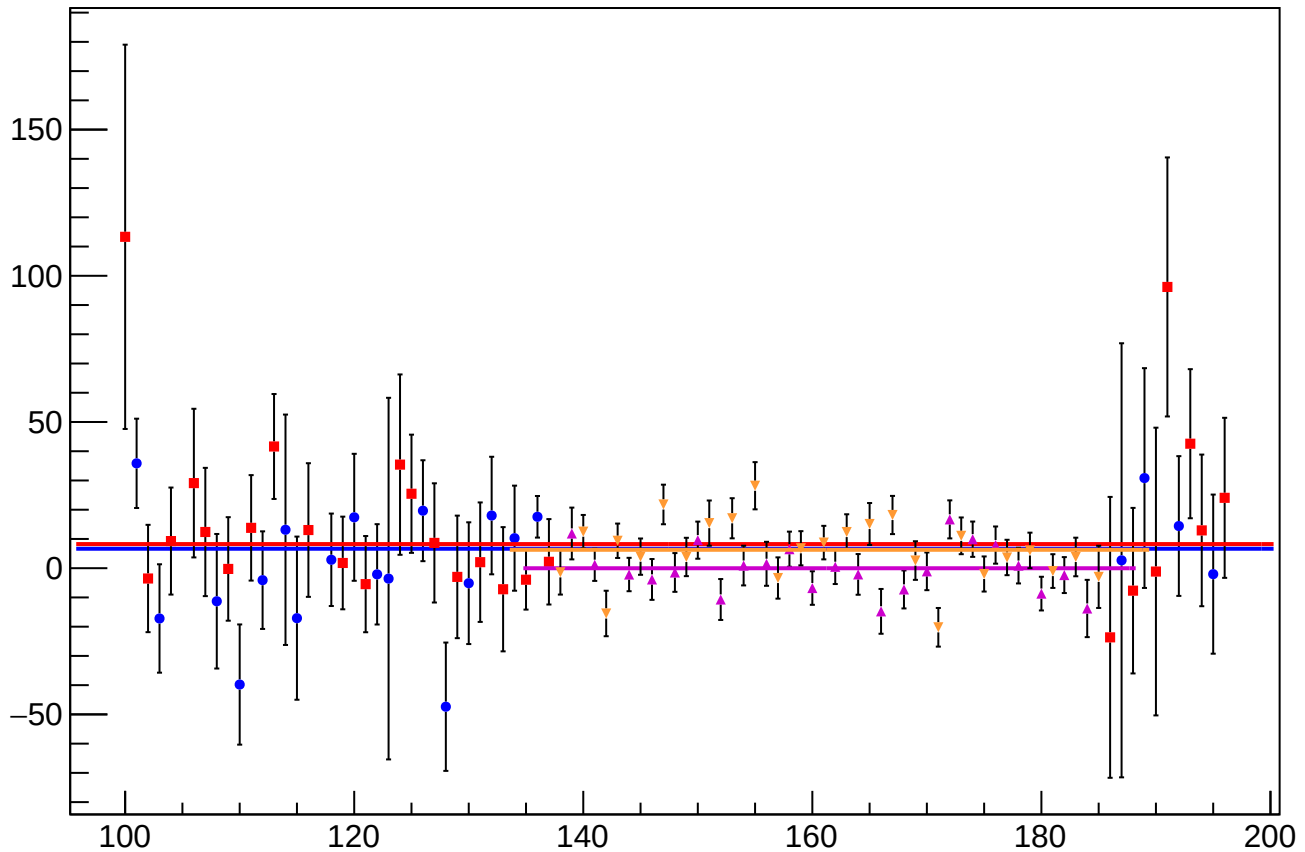
diff_bpm12Y_rms vs Slug



Right In: 3911.144 ± 1.014 χ^2/NDF : 2578211.3/20
 Left Out: 4868.567 ± 0.829 χ^2/NDF : 1511151.0/24
 Right Out: 3662.740 ± 0.866 χ^2/NDF : 3505717.5/25
 Left In: 4544.337 ± 0.808 χ^2/NDF : 2634314.4/22

+ sign 4485.346 ± 0.642 χ^2/NDF : 4623885.1/45
 All: 4295.254 ± 0.435 χ^2/NDF : 11480406.1/9
 - sign 4134.182 ± 0.591 χ^2/NDF : 6694367.9/48

diff_bpm16X_mean vs Slug



Right In: 6.654 $\pm$ 3.959 χ^2 /NDF: 23.1/20

Left Out: 6.296 $\pm$ 1.310 χ^2 /NDF:56.5/24

Right Out: 8.247 $\pm$ 3.991 χ^2 /NDF: 19.3/25

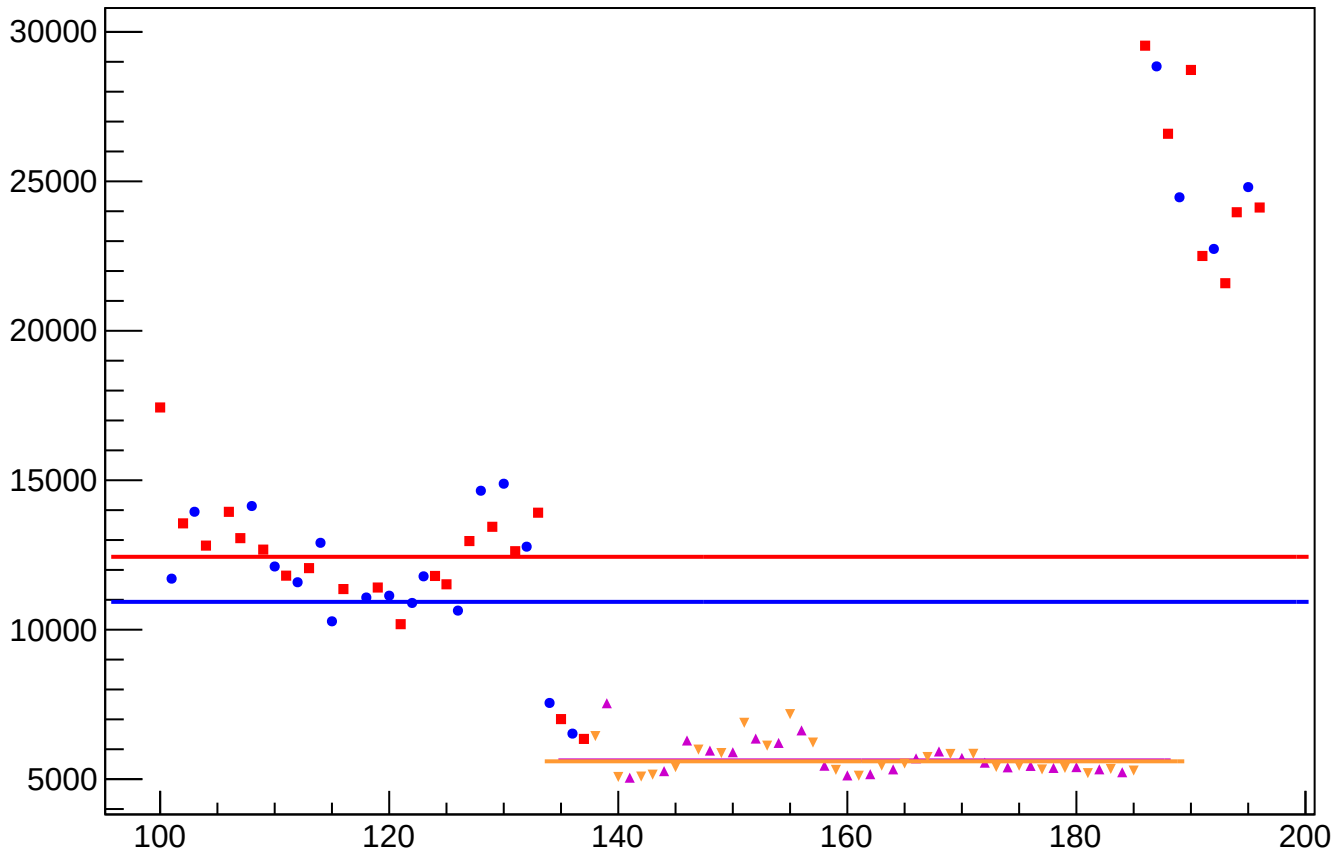
Left In: -0.020 $\pm$ 1.353 χ^2 /NDF:29.9/22

+ sign 6.331 $\pm$ 1.244 χ^2 /NDF: 79.6/45

All: 3.663 $\pm$ 0.893 χ^2 /NDF: 142.1/94

- sign 0.832 $\pm$ 1.281 χ^2 /NDF: 53.1/48

diff_bpm16X_rms vs Slug



Right In: 10931.231+/-2.799 χ^2/NDF : 2483437.2/20

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 12438.505+/-2.822 χ^2/NDF : 3109356.7/25

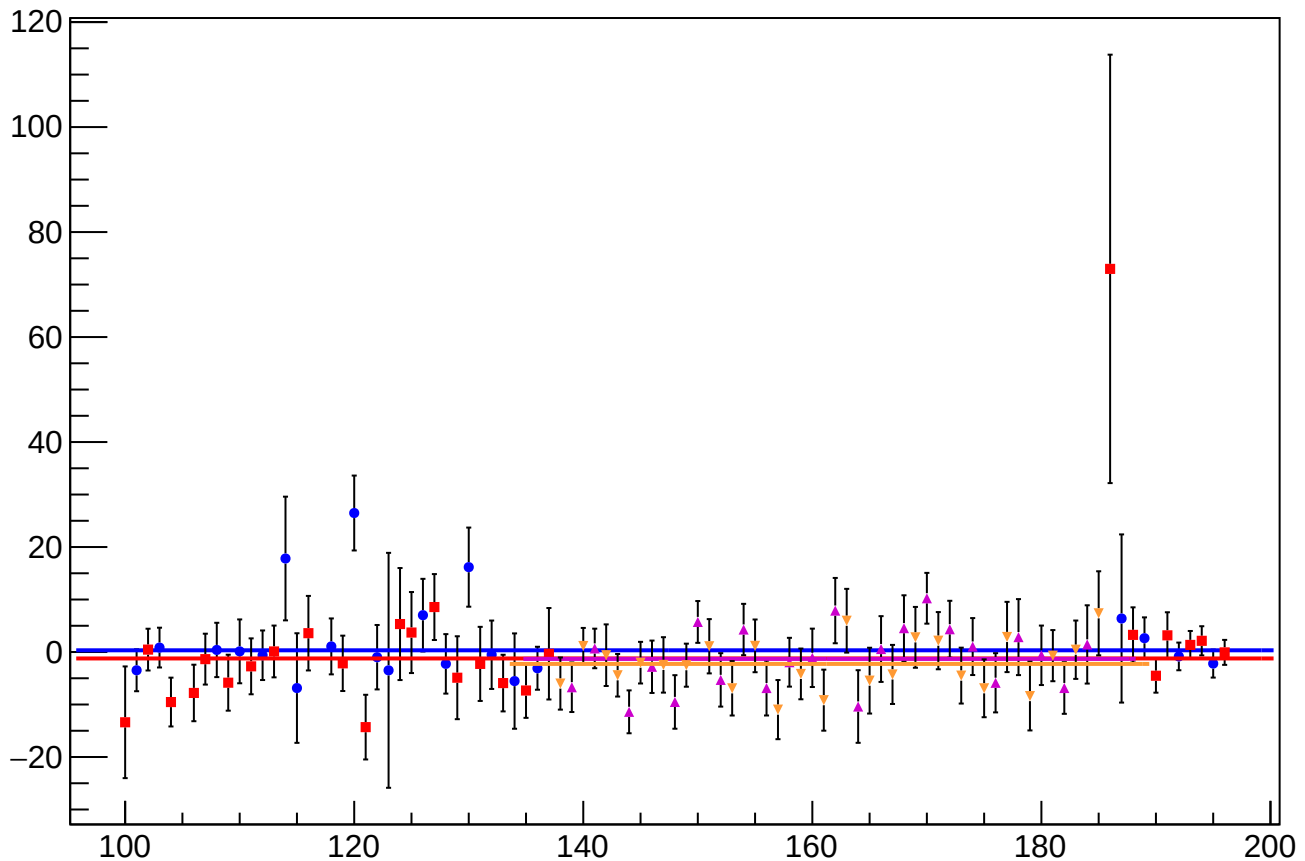
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6123.074+/-0.880 χ^2/NDF : 6041260.5/45

All: 6223.253+/-0.631 χ^2/NDF : 14682179.4/9

- sign 6329.581+/-0.906 χ^2/NDF : 8614175.0/48

diff_bpm16Y_mean vs Slug



Right In: 0.328 ± 1.079 $\chi^2/\text{NDF}: 25.4/20$

Left Out: -2.268 ± 1.029 $\chi^2/\text{NDF}: 15.4/24$

Right Out: -1.227 ± 0.915 $\chi^2/\text{NDF}: 26.4/25$

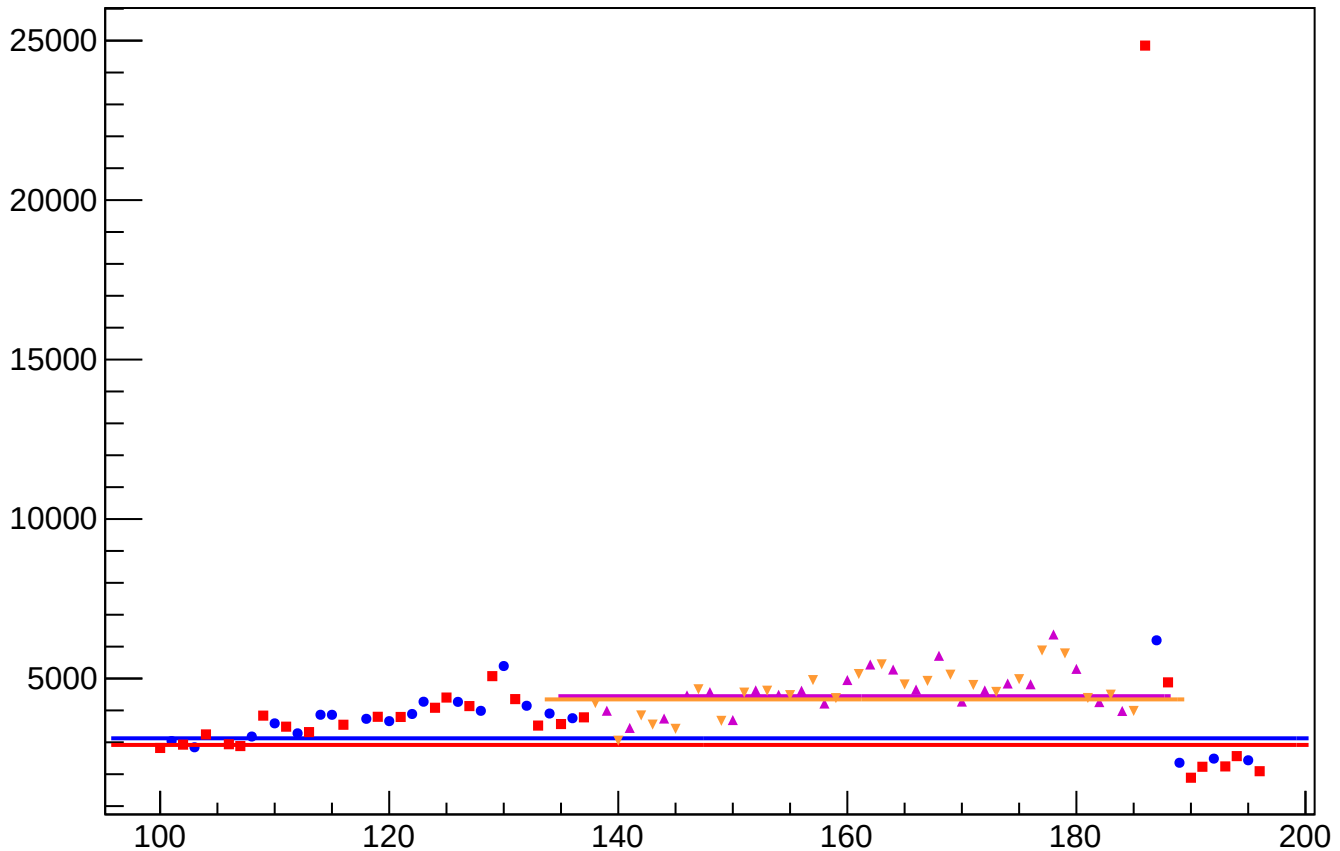
Left In: -1.305 ± 1.077 $\chi^2/\text{NDF}: 30.8/22$

+ sign -1.032 ± 0.745 $\chi^2/\text{NDF}: 43.8/45$

All: -1.153 ± 0.509 $\chi^2/\text{NDF}: 101.1/94$

- sign -1.260 ± 0.698 $\chi^2/\text{NDF}: 57.2/48$

diff_bpm16Y_rms vs Slug



Right In: 3125.541 ± 0.763 $\chi^2/\text{NDF}: 908896.3/20$

Left Out: 4345.381 ± 0.728 $\chi^2/\text{NDF}: 1000636.1/24$

Right Out: 2917.918 ± 0.647 $\chi^2/\text{NDF}: 2209741.8/25$

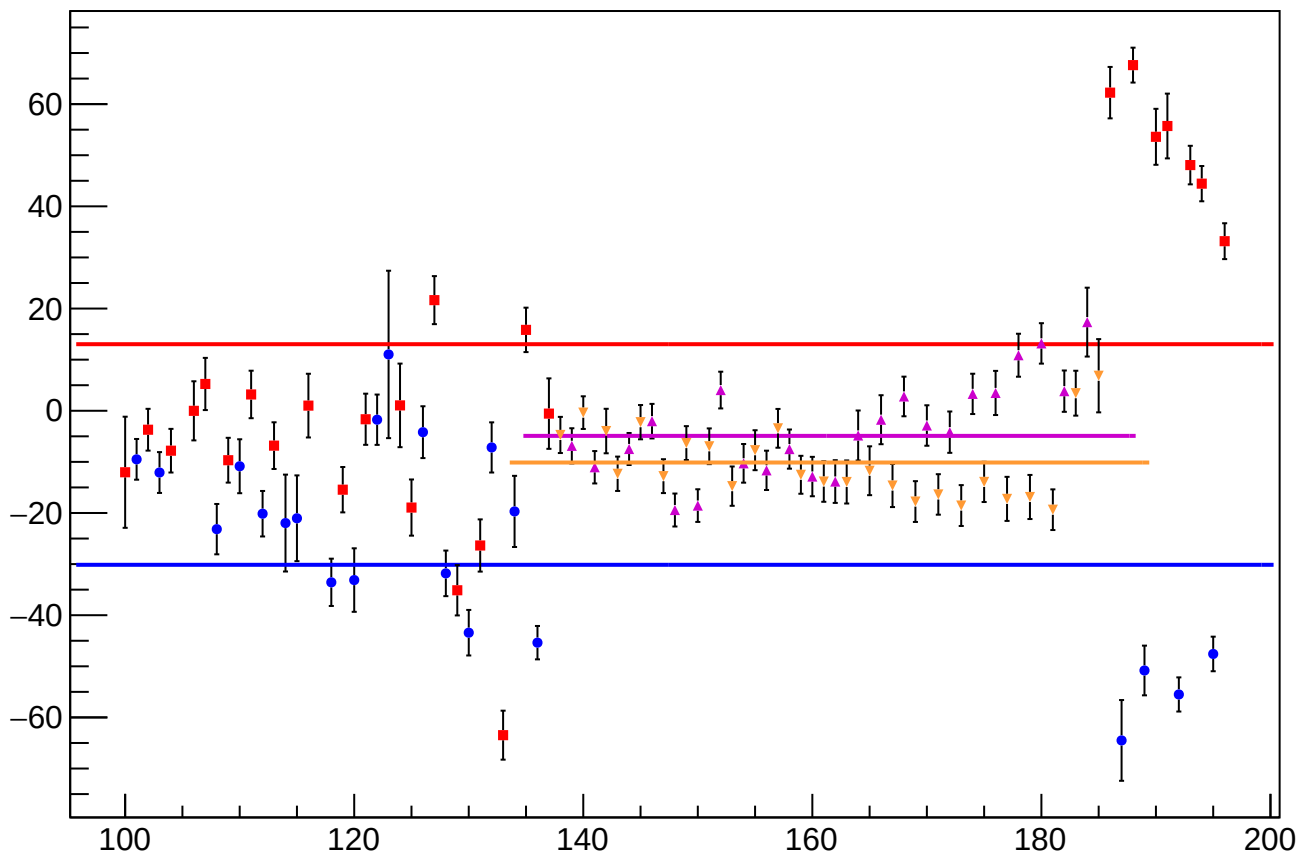
Left In: 4446.181 ± 0.762 $\chi^2/\text{NDF}: 702797.6/22$

+ sign 3764.386 ± 0.527 $\chi^2/\text{NDF}: 3247069.4/45$

All: 3654.881 ± 0.360 $\chi^2/\text{NDF}: 8578580.9/94$

- sign 3558.885 ± 0.493 $\chi^2/\text{NDF}: 5250418.4/48$

diff_bpm0l01X_mean vs Slug



Right In: -30.138 ± 1.039 χ^2/NDF : 312.2/20

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 13.026 ± 0.927 χ^2/NDF : 1264.8/25

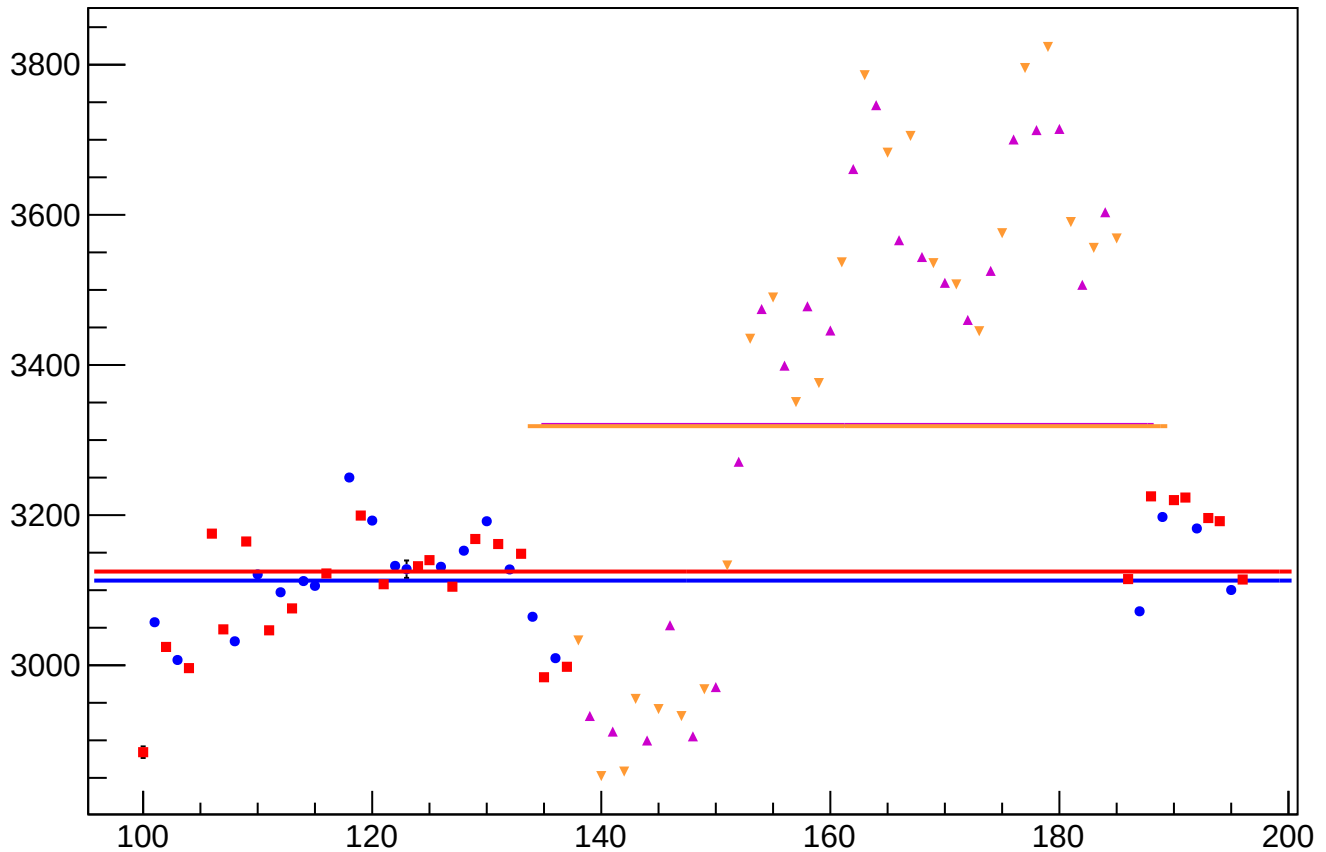
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -17.286 ± 0.621 χ^2/NDF : 618.5/45

All: -7.008 ± 0.433 χ^2/NDF : 2758.8/94

- sign 2.714 ± 0.604 χ^2/NDF : 1607.9/48

diff_bpm0l01X_rms vs Slug



Right In: 3112.800 ± 0.735 χ^2/NDF : 8964.6/20

Left Out: 3318.506 ± 0.548 χ^2/NDF : 337694.2/24

Right Out: 3124.861 ± 0.655 χ^2/NDF : 13608.5/25

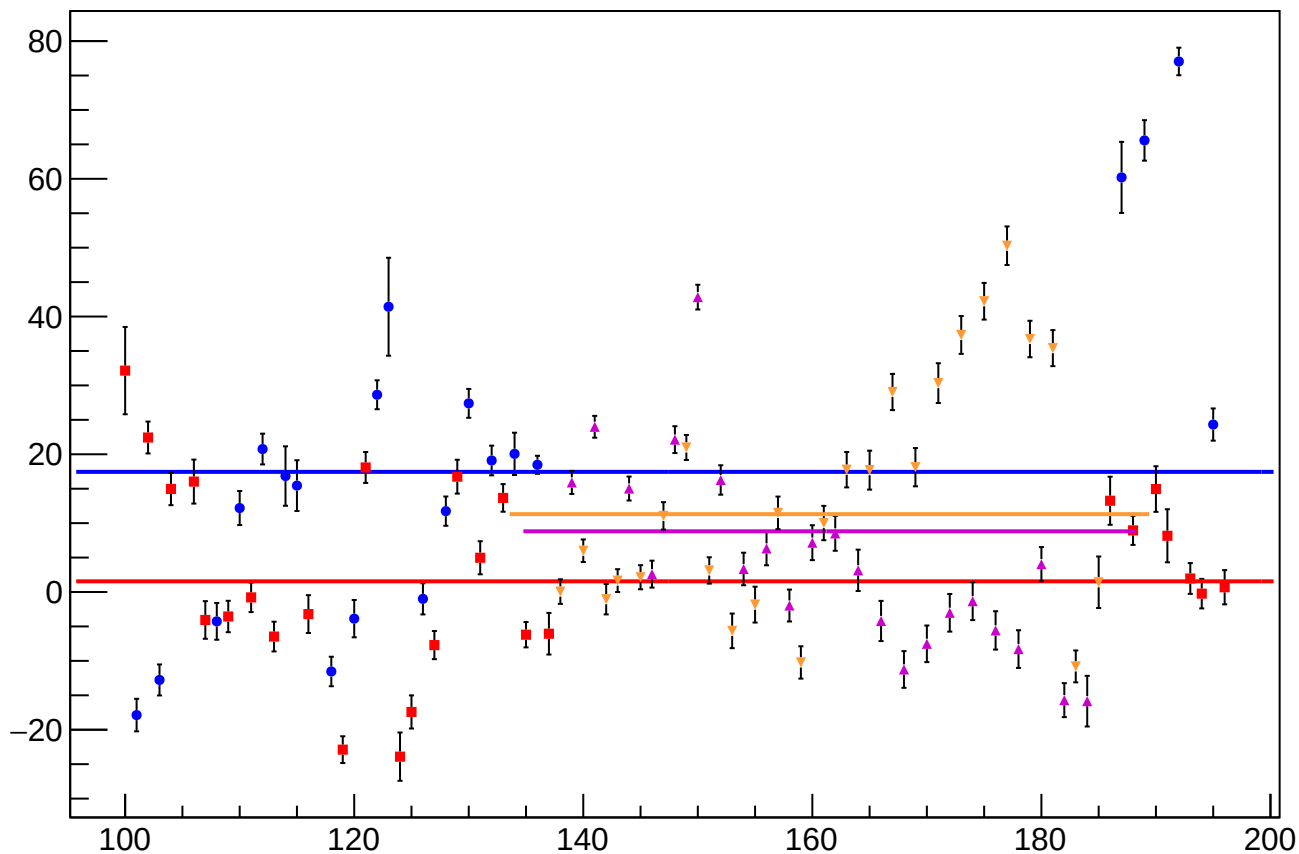
Left In: 3320.170 ± 0.564 χ^2/NDF : 287634.9/22

+ sign 3244.897 ± 0.439 χ^2/NDF : 397019.3/45

All: 3240.912 ± 0.306 χ^2/NDF : 749464.3/94

- sign 3237.141 ± 0.427 χ^2/NDF : 352284.9/48

diff_bpm0l01Y_mean vs Slug



Right In: 17.446 $\pm$ 0.517 χ^2 /NDF: 2090.9/20

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 1.552 $\pm$ 0.478 χ^2 /NDF: 677.2/25

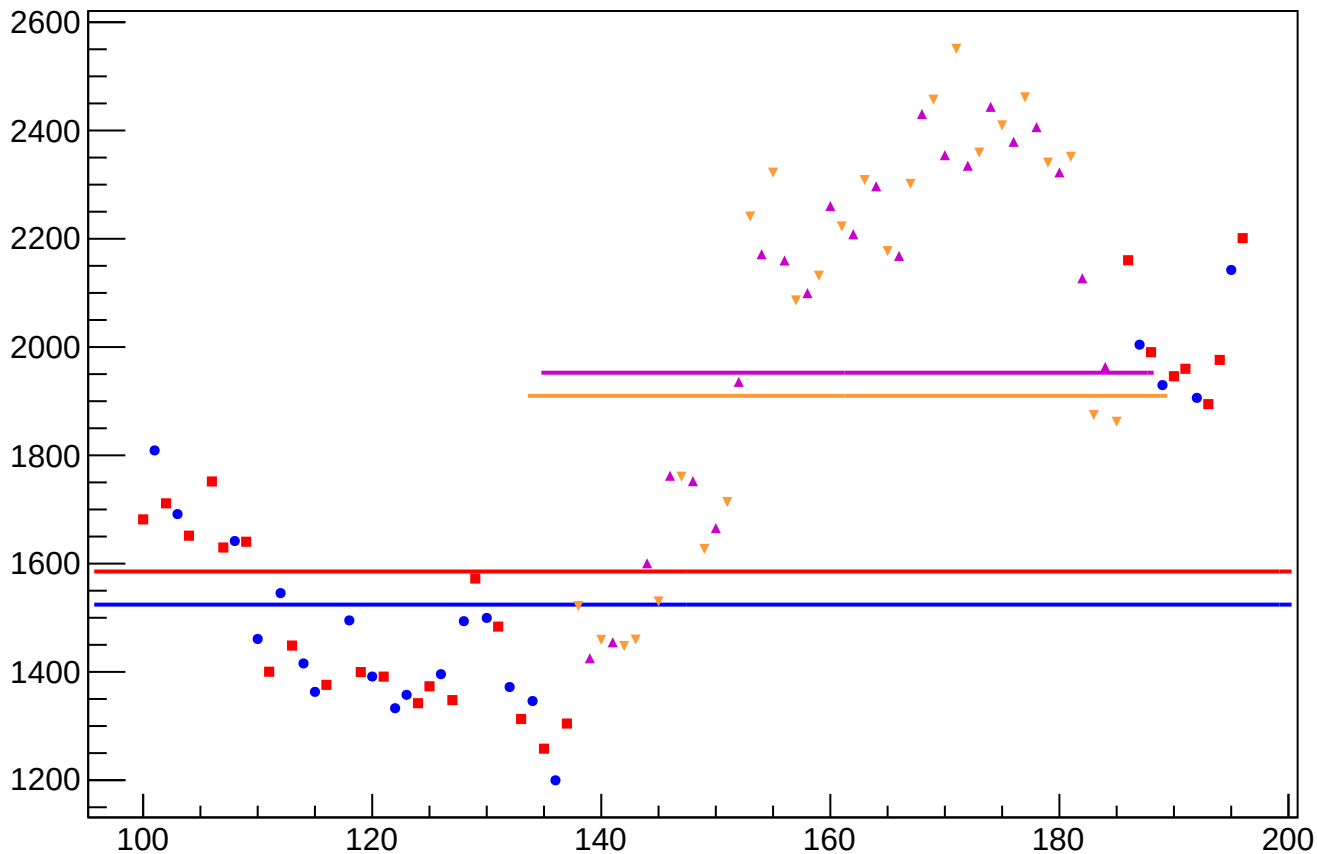
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 13.979 $\pm$ 0.341 χ^2 /NDF: 3314.9/45

All: 9.540 $\pm$ 0.240 χ^2 /NDF: 5385.2/94

- sign 5.204 $\pm$ 0.337 χ^2 /NDF: 1735.4/48

diff_bpm0l01Y_rms vs Slug



Right In: 1524.285 $\pm$ 0.365 χ^2 /NDF: 488211.4/20

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1585.461 $\pm$ 0.338 χ^2 /NDF: 654451.5/25

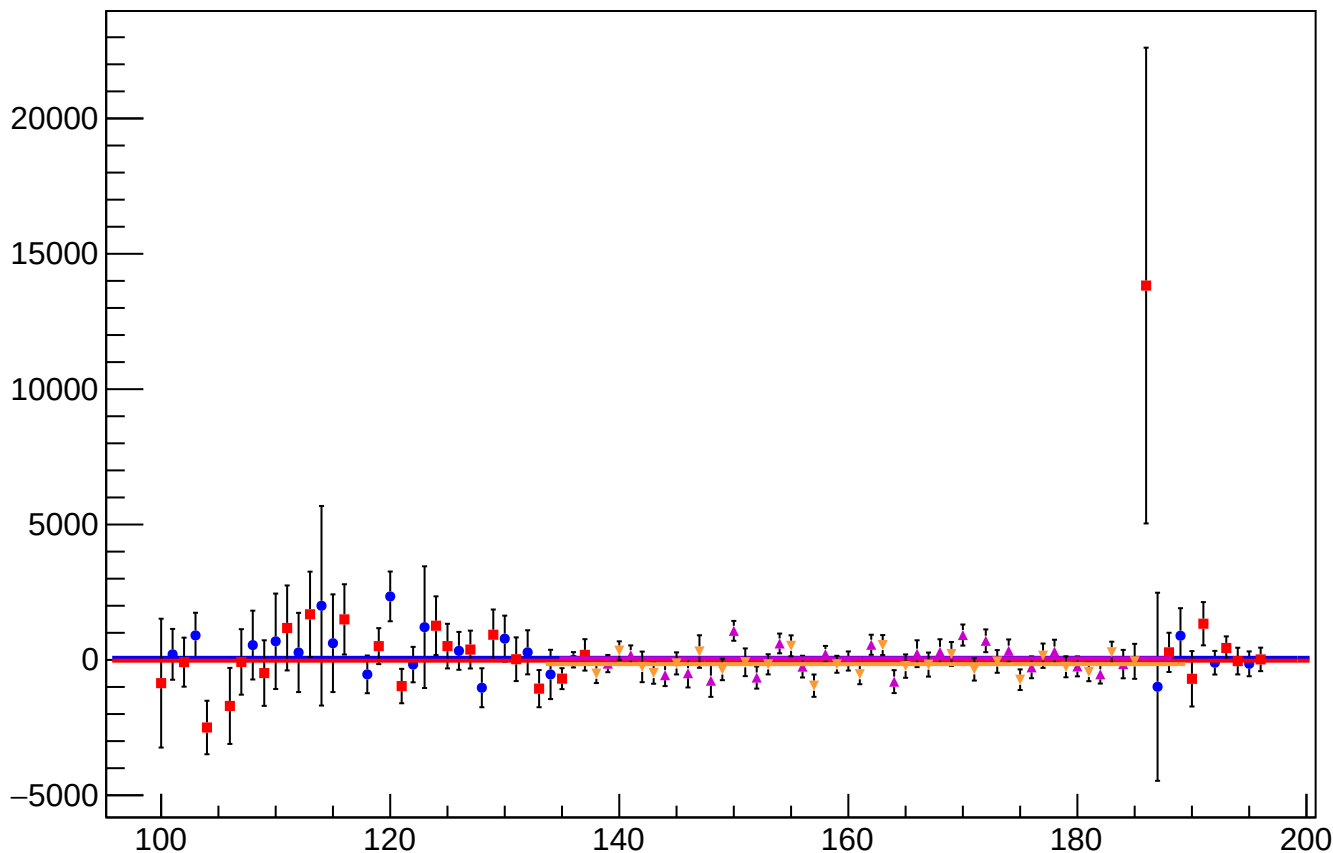
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1742.034 $\pm$ 0.241 χ^2 /NDF: 2516545.8/45

All: 1756.219 $\pm$ 0.170 χ^2 /NDF: 4836433.7/94

- sign 1770.079 $\pm$ 0.238 χ^2 /NDF: 2313045.7/48

asym_sam1_mean vs Slug



Right In: 76.876 ± 154.848 χ^2/NDF : 13.8/20

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -29.032 ± 143.413 χ^2/NDF : 29.8/25

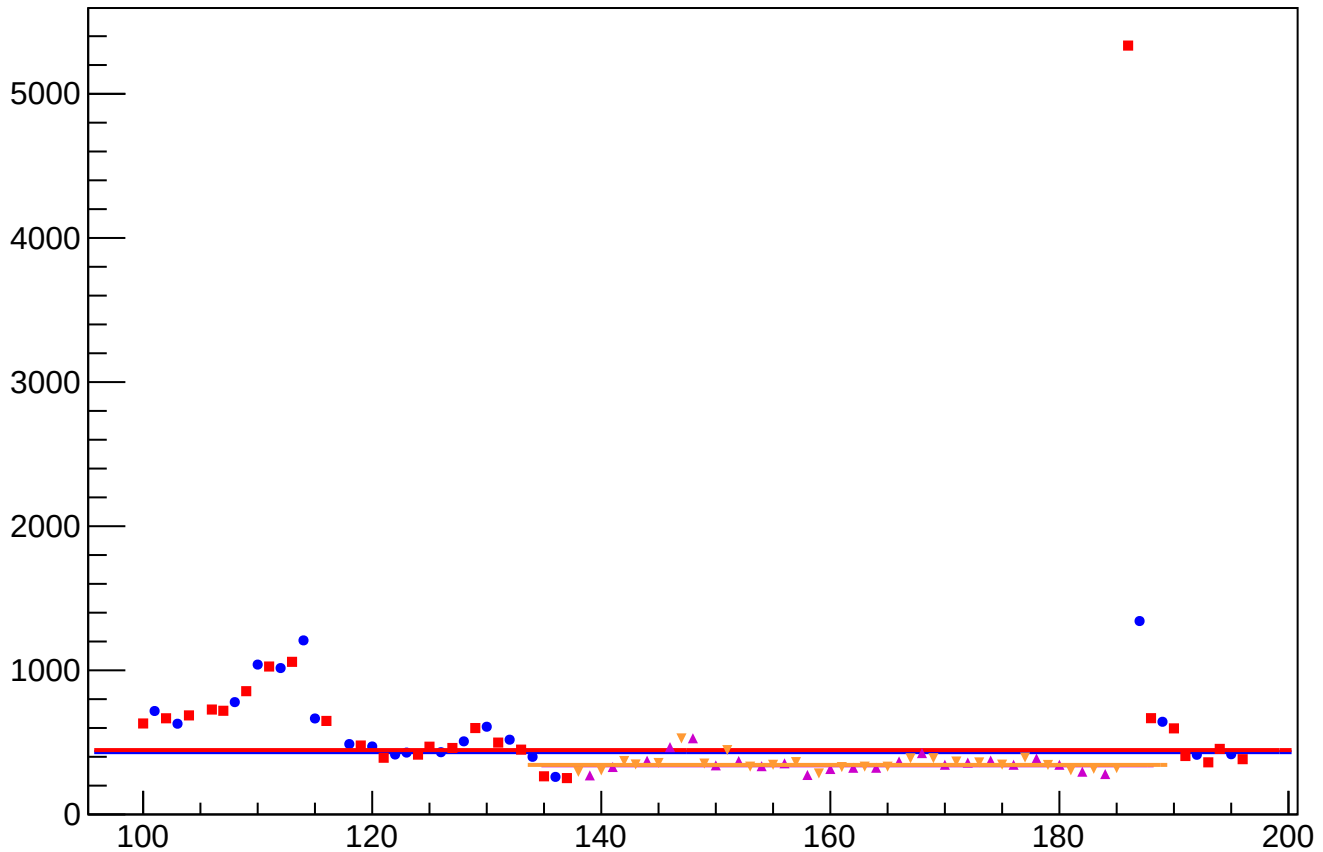
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -107.143 ± 71.631 χ^2/NDF : 37.7/45

All: -34.992 ± 50.628 χ^2/NDF : 108.3/94

- sign 37.028 ± 71.567 χ^2/NDF : 68.6/48

asym_sam1_rms vs Slug



Right In: 432.200 $\pm$ 0.109 χ^2 /NDF: 2236449.1/20

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 446.691 $\pm$ 0.101 χ^2 /NDF: 3011350.0/25

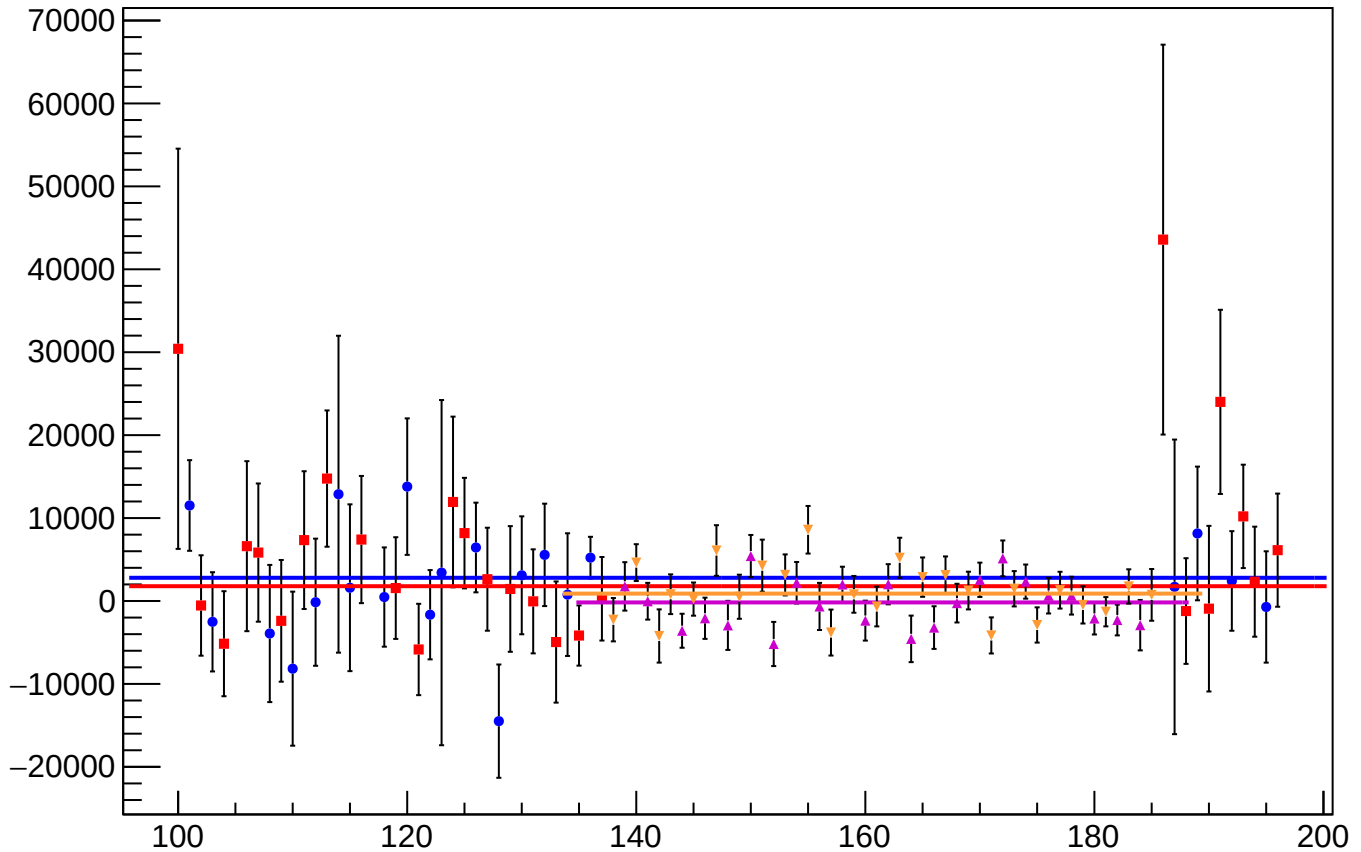
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 362.722 $\pm$ 0.051 χ^2 /NDF: 3288139.3/45

All: 364.976 $\pm$ 0.036 χ^2 /NDF: 7845777.3/94

- sign 367.227 $\pm$ 0.051 χ^2 /NDF: 4553679.6/48

asym_sam2_mean vs Slug



Right In: 2798.950+/-1356.332 χ^2/NDF : 17.2/20

Left Out: 890.395+/-473.262 χ^2/NDF : 38.0/24

Right Out: 1783.788+/-1346.481 χ^2/NDF : 24.3/25

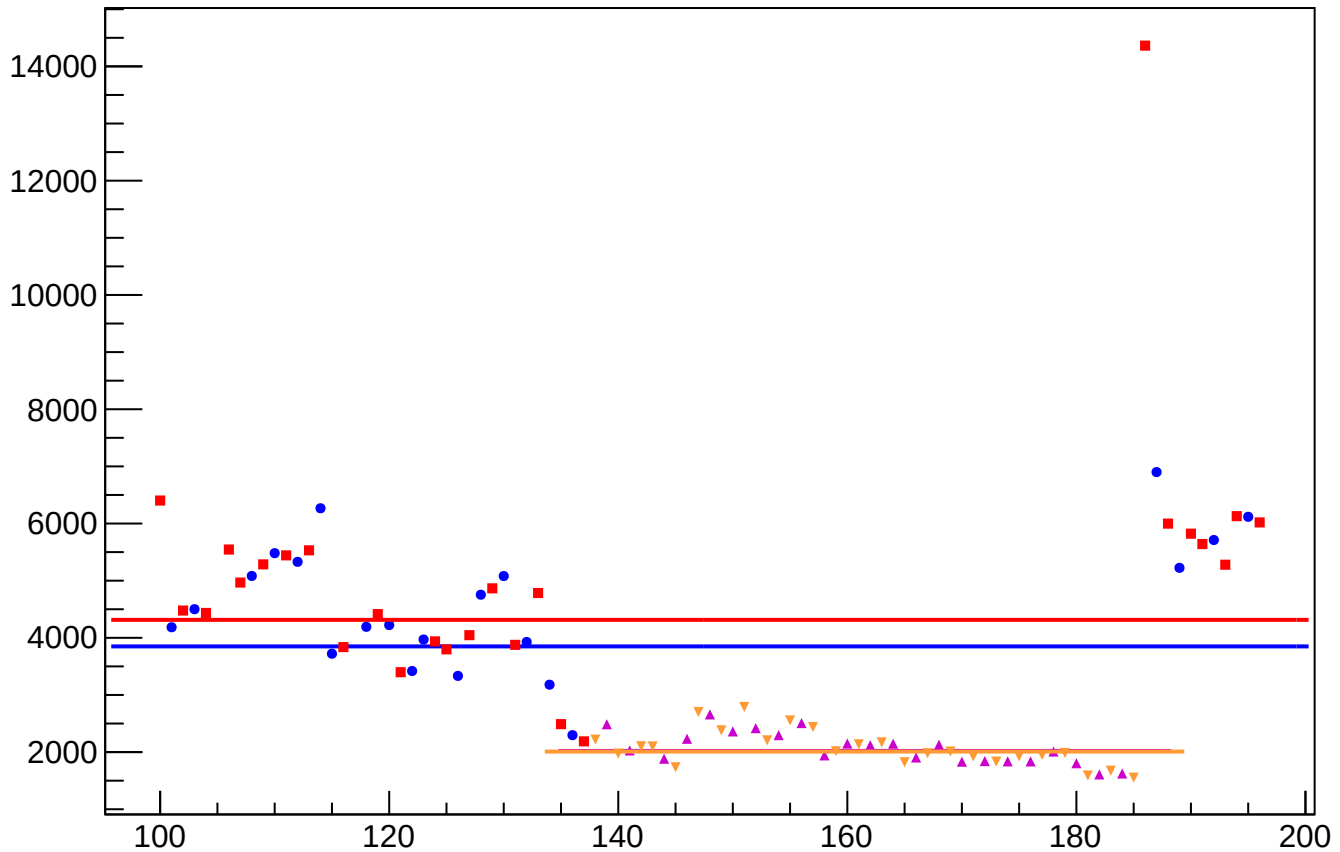
Left In: -172.391+/-488.067 χ^2/NDF : 33.2/22

+ sign 1097.542+/-446.841 χ^2/NDF : 57.0/45

All: 589.989+/-320.127 χ^2/NDF : 118.9/94

- sign 54.781+/-458.853 χ^2/NDF : 59.3/48

asym_sam2_rms vs Slug



Right In: 3849.690 ± 0.959 $\chi^2/\text{NDF}: 1699926.3/20$

Left Out: 2009.631 ± 0.335 $\chi^2/\text{NDF}: 709977.6/24$

Right Out: 4314.400 ± 0.952 $\chi^2/\text{NDF}: 2048411.7/25$

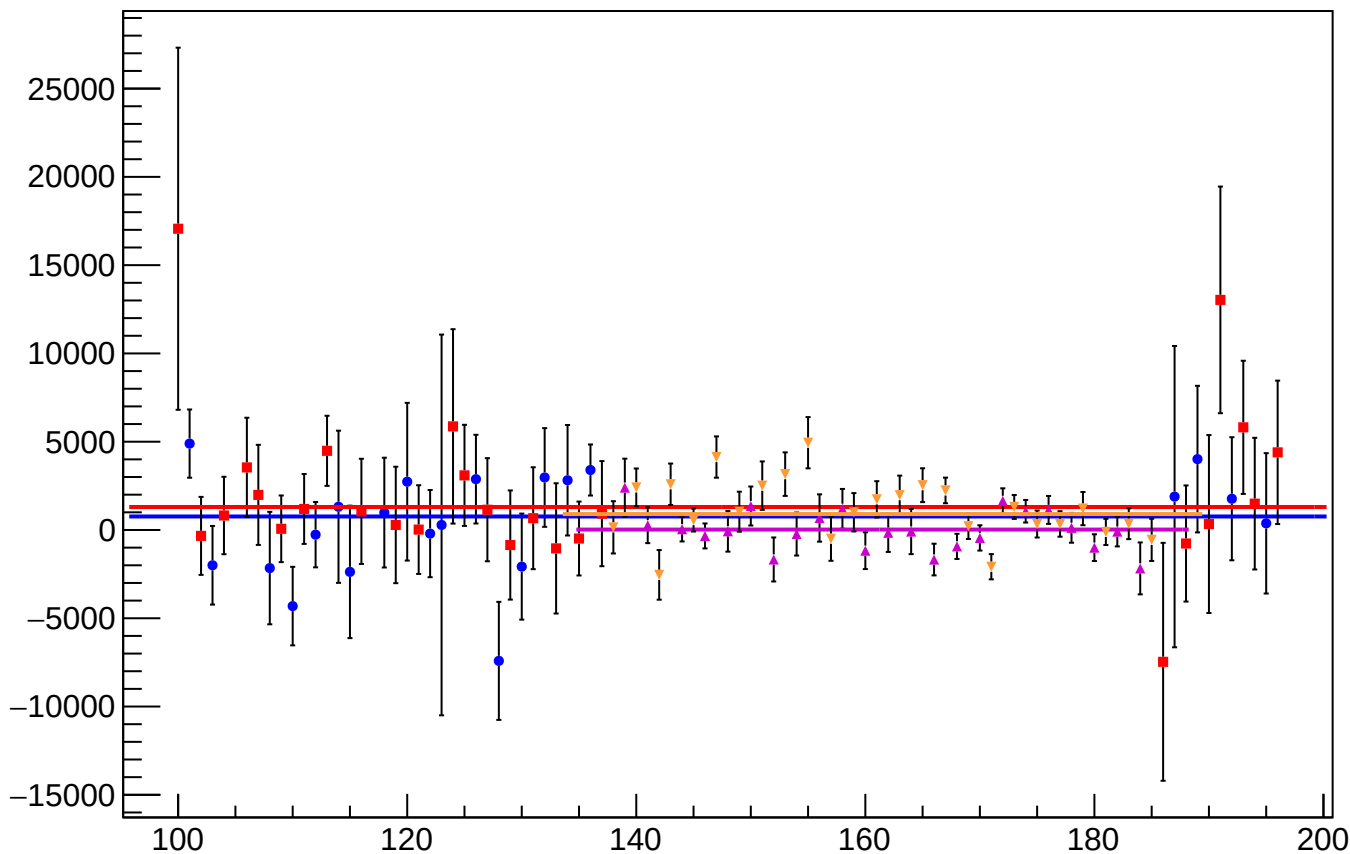
Left In: 2020.365 ± 0.345 $\chi^2/\text{NDF}: 573483.0/22$

+ sign 2209.344 ± 0.316 $\chi^2/\text{NDF}: 5691349.3/45$

All: 2247.032 ± 0.226 $\chi^2/\text{NDF}: 13473655.9/95$

- sign 2286.773 ± 0.324 $\chi^2/\text{NDF}: 7753076.9/48$

asym_sam3_mean vs Slug



Right In: 764.940 ± 597.842 χ^2/NDF : 26.2/20

Left Out: 902.091 ± 185.850 χ^2/NDF : 63.5/24

Right Out: 1301.567 ± 566.238 χ^2/NDF : 17.3/25

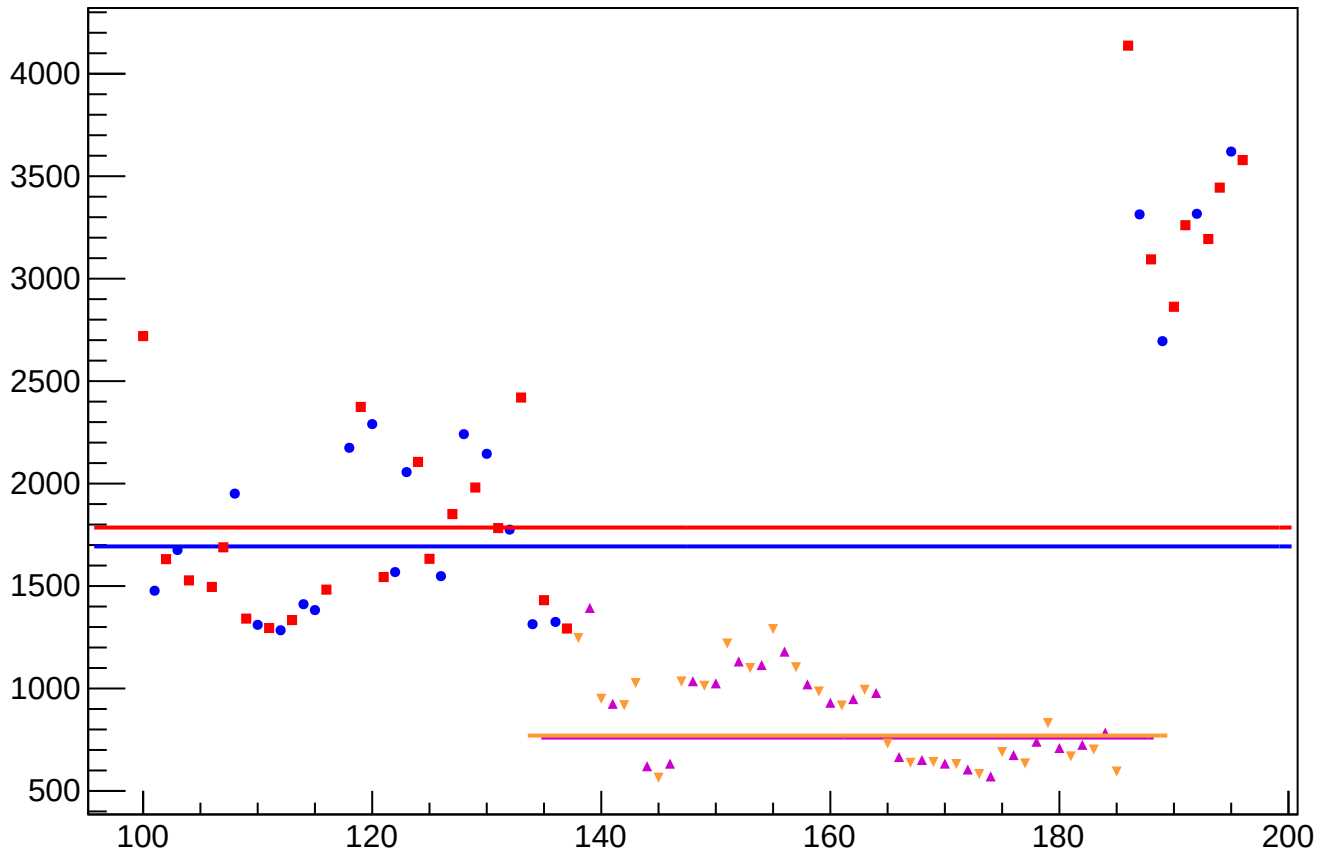
Left In: 23.529 ± 188.137 χ^2/NDF : 28.2/22

+ sign 890.005 ± 177.472 χ^2/NDF : 89.8/45

All: 522.515 ± 125.868 χ^2/NDF : 148.5/94

- sign 150.591 ± 178.540 χ^2/NDF : 50.1/48

asym_sam3_rms vs Slug



Right In: 1693.290+/-0.423 χ^2/NDF : 1667561.8/20

Left Out: 770.320+/-0.131 χ^2/NDF : 2287655.1/24

Right Out: 1785.486+/-0.400 χ^2/NDF : 2532471.7/25

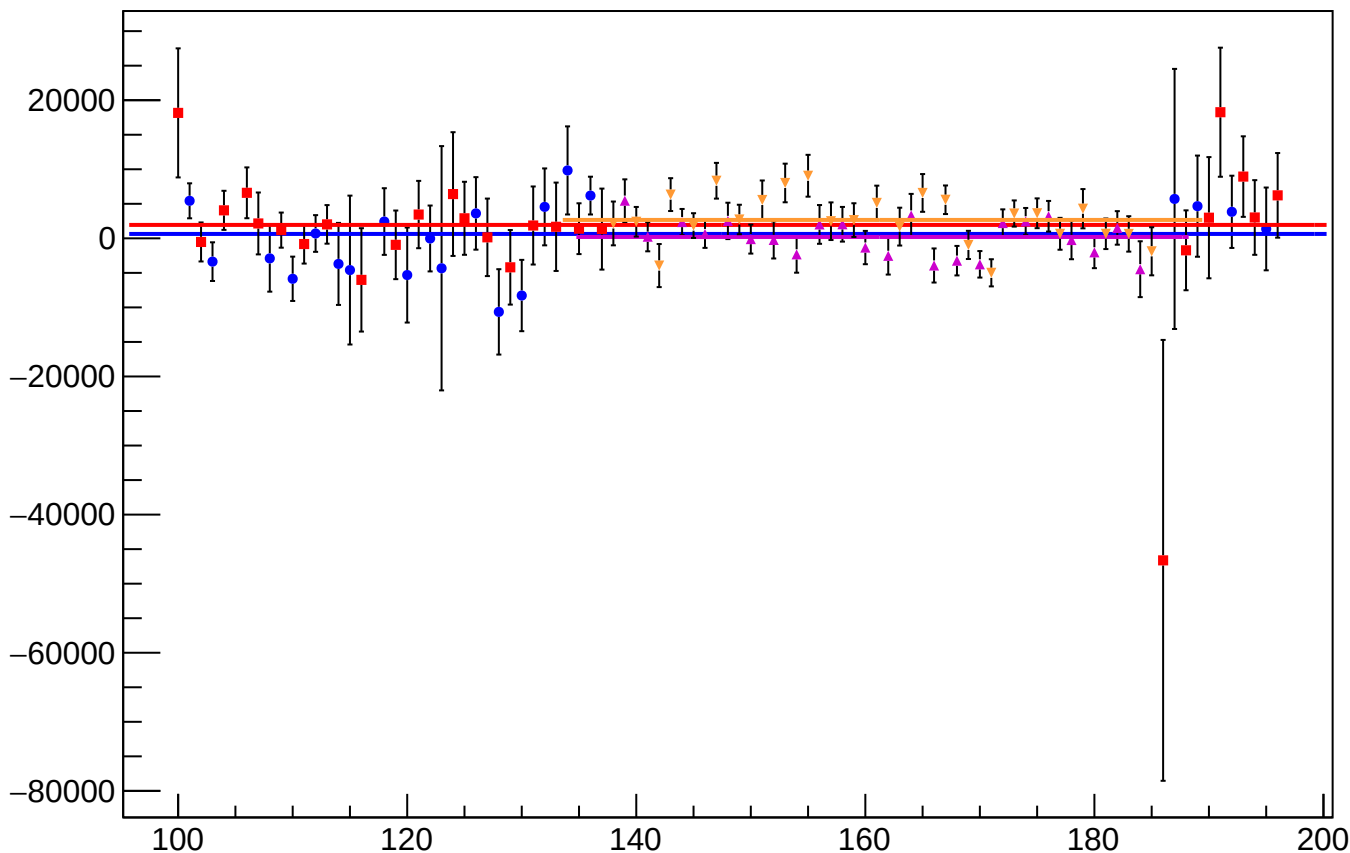
Left In: 760.352+/-0.133 χ^2/NDF : 1986749.8/22

+ sign 851.655+/-0.125 χ^2/NDF : 8302010.8/45

All: 856.931+/-0.089 χ^2/NDF : 18728380.1/94

- sign 862.270+/-0.126 χ^2/NDF : 10422813.0/48

asym_sam4_mean vs Slug



Right In: 636.786 ± 957.923 χ^2/NDF : 26.1/20

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 1943.509 ± 872.917 χ^2/NDF : 18.0/25

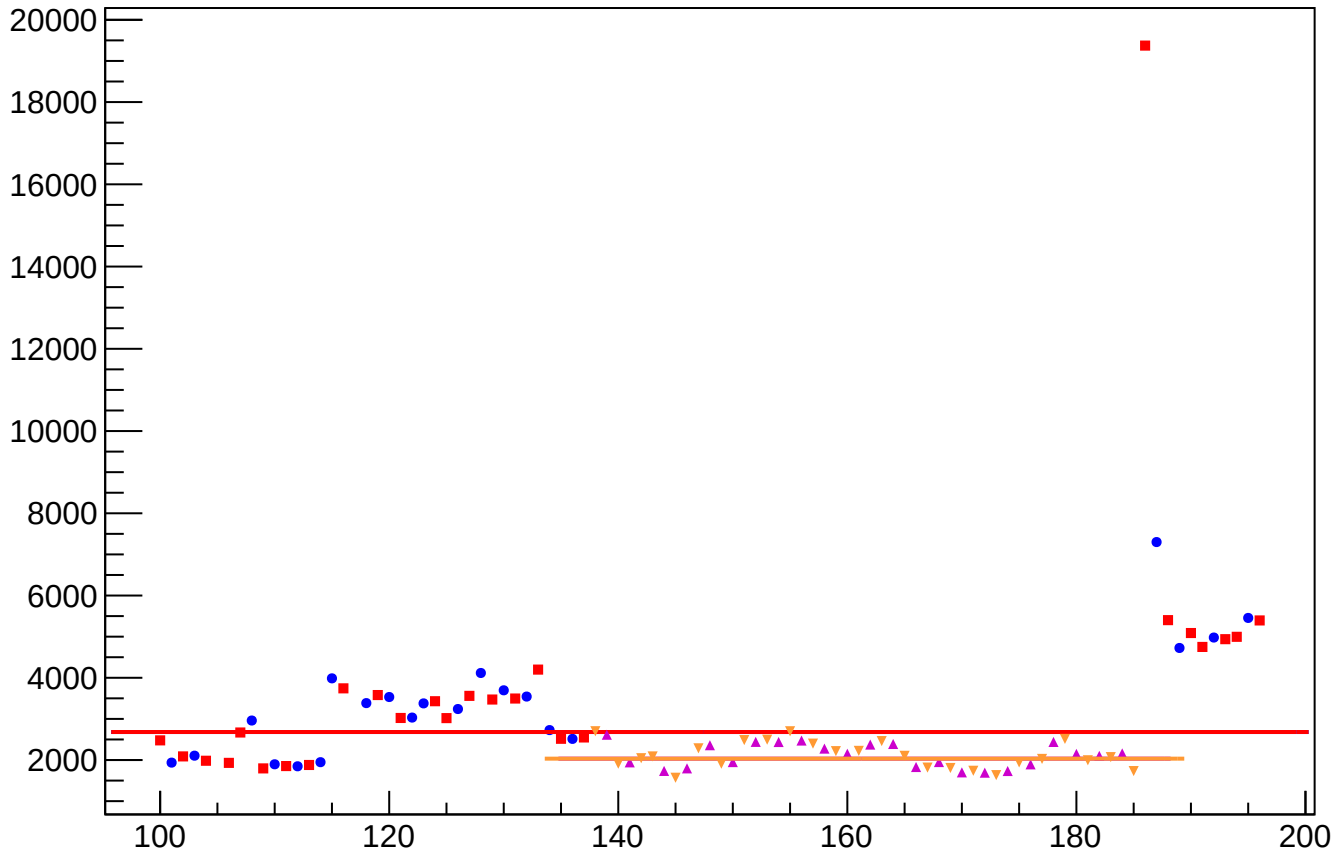
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2258.727 ± 428.977 χ^2/NDF : 78.9/45

All: 1438.748 ± 303.221 χ^2/NDF : 133.0/94

- sign 619.968 ± 428.663 χ^2/NDF : 46.8/48

asym_sam4_rms vs Slug



Right In: 2680.796 $\pm$ 0.677 χ^2 /NDF: 2080930.0/20

Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24

Right Out: 2681.429 $\pm$ 0.617 χ^2 /NDF: 3558279.6/25

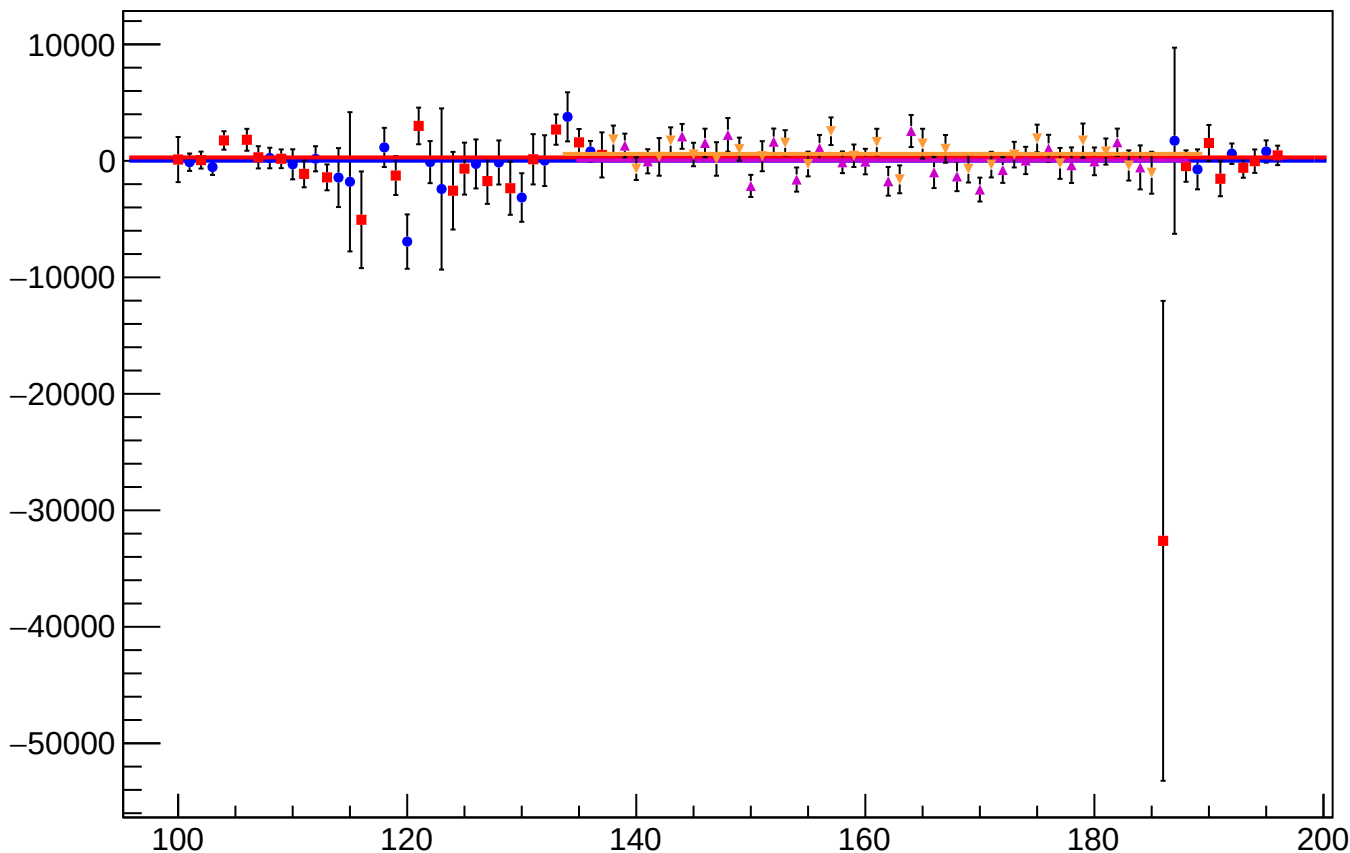
Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

+ sign 2163.180 $\pm$ 0.303 χ^2 /NDF: 3635439.7/45

All: 2176.152 $\pm$ 0.214 χ^2 /NDF: 8688493.5/94

- sign 2189.106 $\pm$ 0.303 χ^2 /NDF: 5049398.6/48

asym_sam5_mean vs Slug



Right In: 15.806 ± 278.219 χ^2/NDF : 18.4/20

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 294.379 ± 237.805 χ^2/NDF : 29.7/25

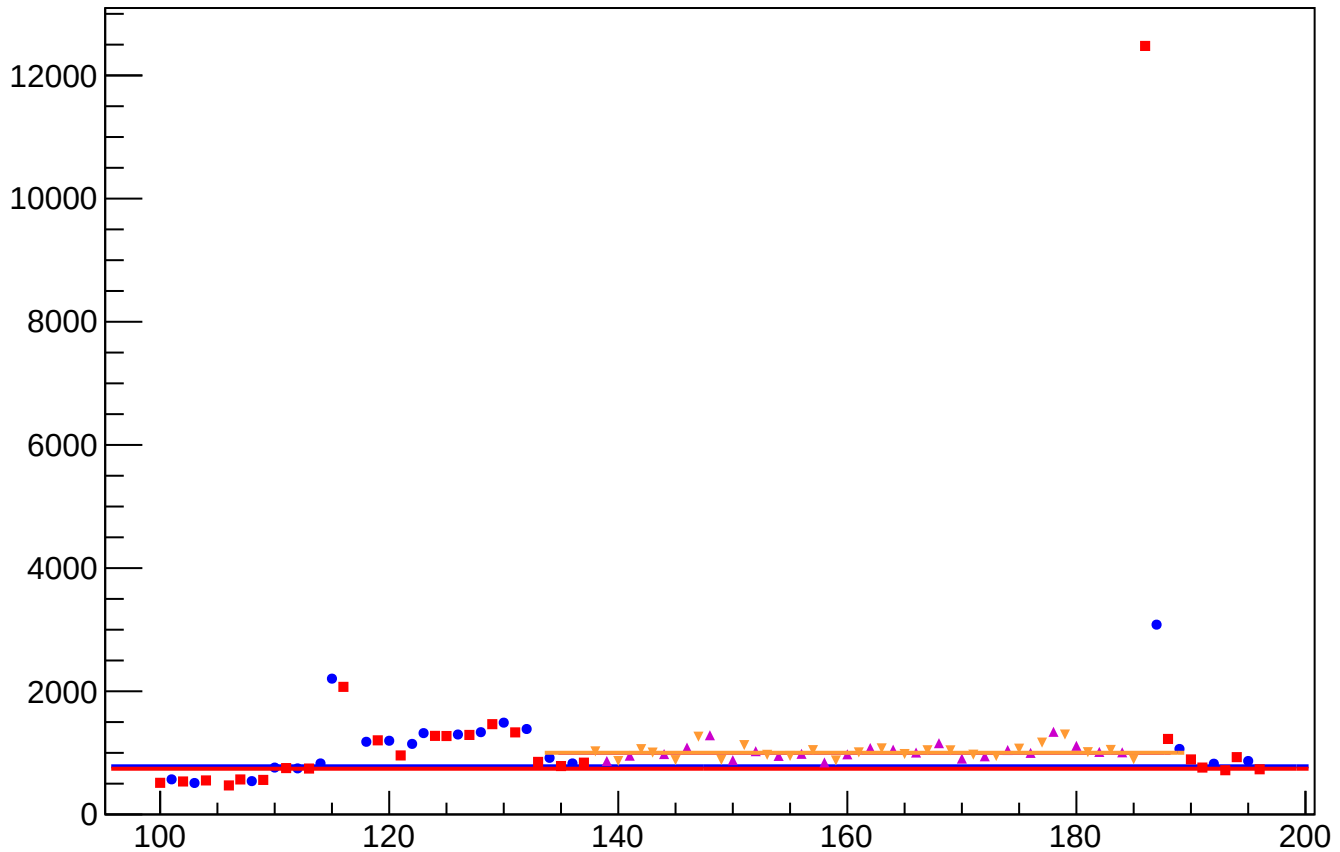
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 356.794 ± 179.514 χ^2/NDF : 39.4/45

All: 257.644 ± 123.129 χ^2/NDF : 106.6/94

- sign 169.555 ± 169.205 χ^2/NDF : 66.6/48

asym_sam5_rms vs Slug



Right In: 781.929+/-0.197 χ^2/NDF : 1945275.6/20

Left Out: 1001.472+/-0.166 χ^2/NDF : 370299.3/24

Right Out: 742.468+/-0.168 χ^2/NDF : 2727065.7/25

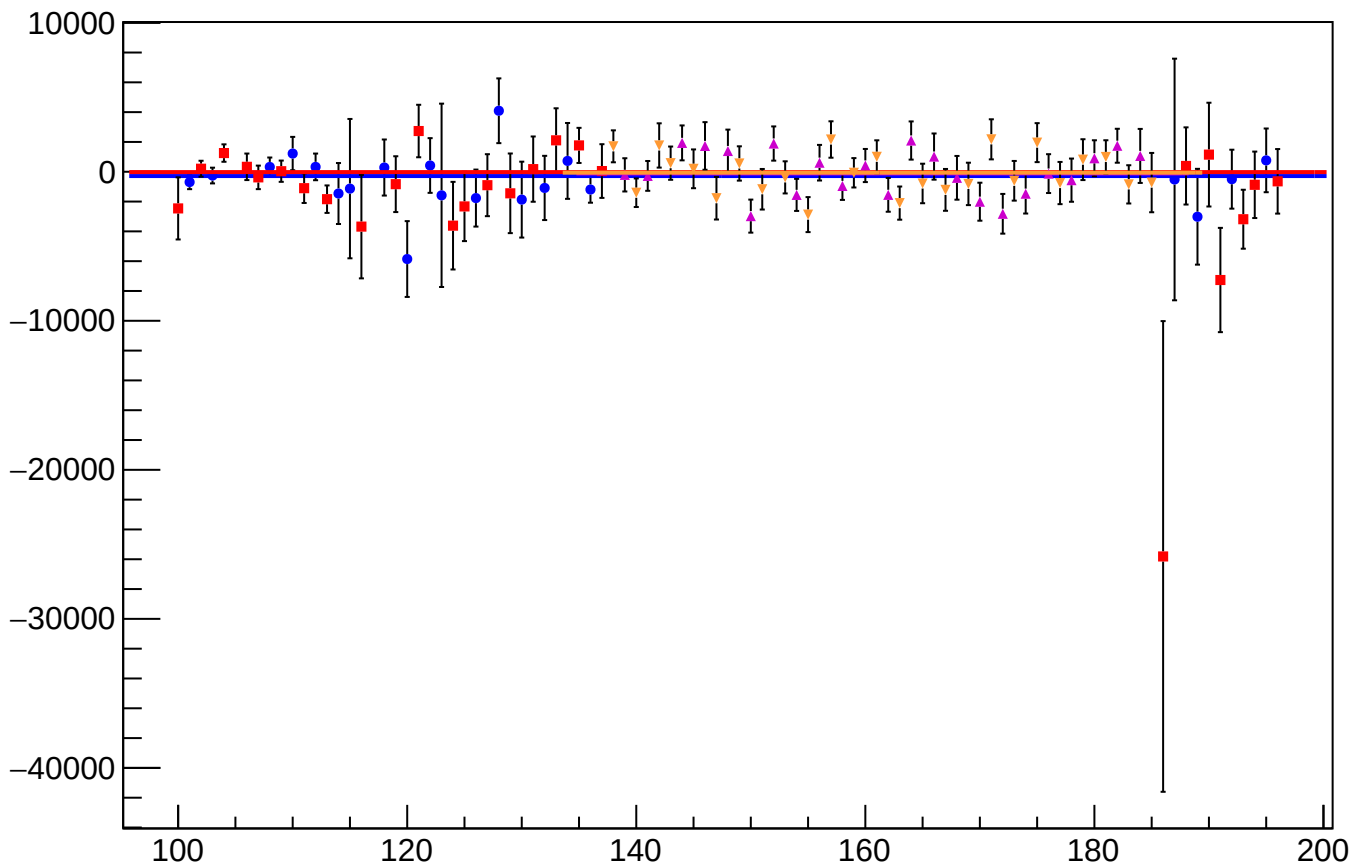
Left In: 998.050+/-0.170 χ^2/NDF : 404656.2/22

+ sign 910.073+/-0.127 χ^2/NDF : 3042469.8/45

All: 888.141+/-0.087 χ^2/NDF : 7371178.0/94

- sign 868.655+/-0.120 χ^2/NDF : 4272332.4/48

asym_sam6_mean vs Slug



Right In: -288.885 ± 246.186 χ^2/NDF : 16.8/20

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -22.410 ± 239.156 χ^2/NDF : 31.6/25

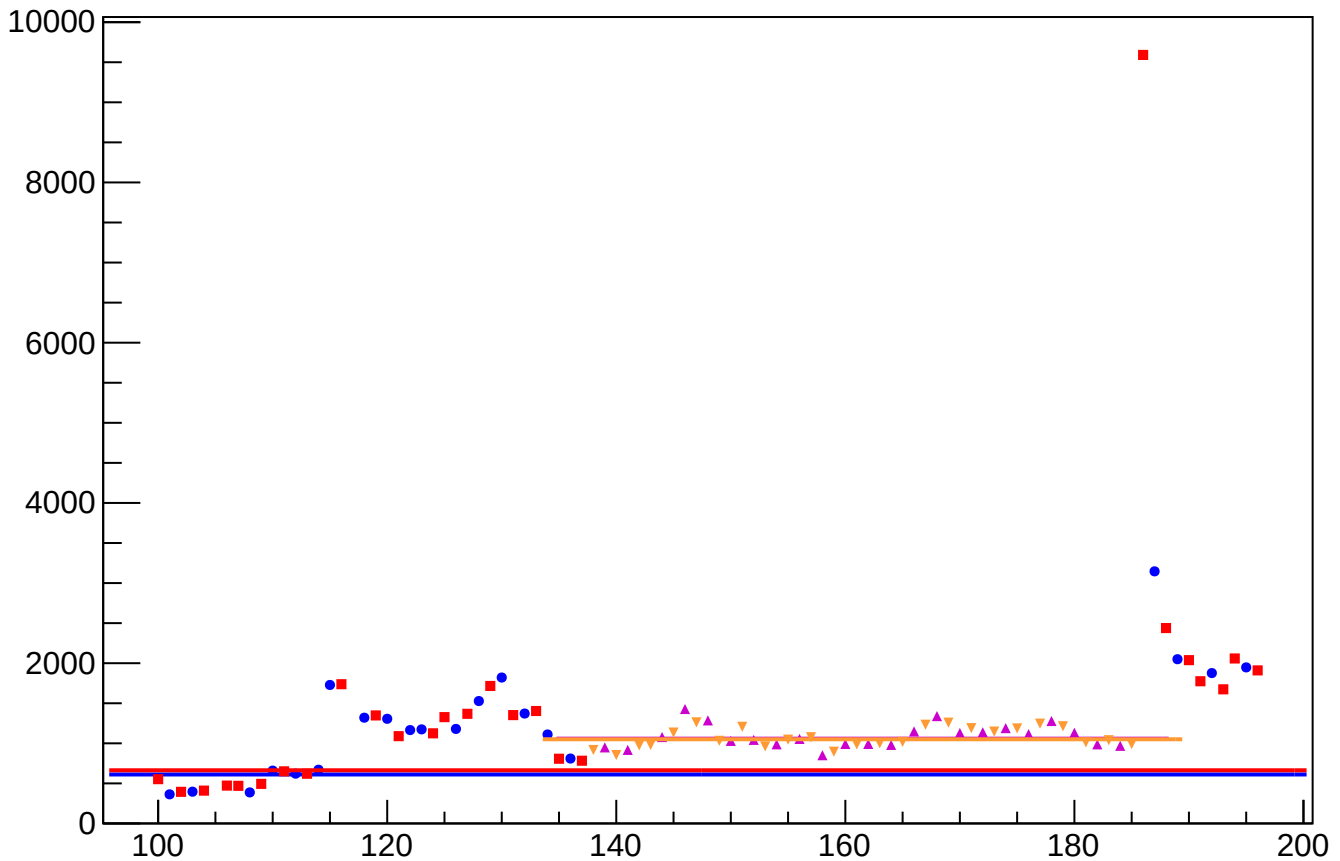
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -174.504 ± 174.192 χ^2/NDF : 48.2/45

All: -119.597 ± 123.307 χ^2/NDF : 114.9/94

- sign -64.450 ± 174.572 χ^2/NDF : 66.5/48

asym_sam6_rms vs Slug



Right In: 611.215+/-0.174 χ^2/NDF : 5487838.5/20

Left Out: 1050.649 $\pm$ 0.174 χ^2 /NDF:483144.2/24

Right Out: 663.733+/-0.169 χ^2/NDF : 7082062.7/25

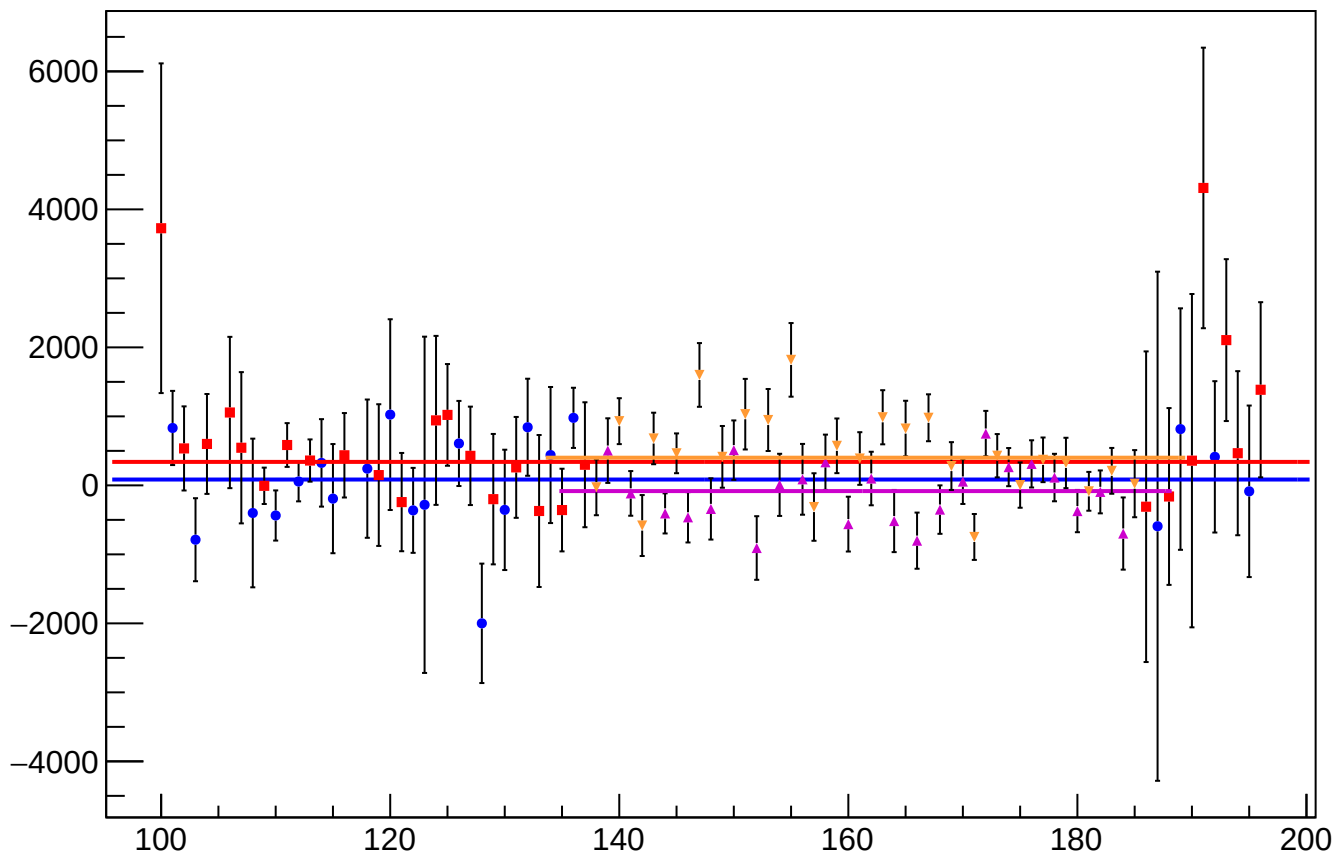
Left In: 1058.097+/-0.181 χ^2/NDF :528574.7/22

+ sign 830.649+/-0.123 χ^2/NDF : 9152989.8/45

All: 839.290 ± 0.087 $\chi^2/\text{NDF}: 19314106.3/94$

- sign 847.969+/-0.123 χ^2/NDF : 10151252.3/48

asym_sam7_mean vs Slug



Right In: 84.639 ± 140.585 $\chi^2/\text{NDF}: 20.2/20$

Left Out: 400.988 ± 74.546 $\chi^2/\text{NDF}: 52.1/24$

Right Out: 340.193 ± 126.374 $\chi^2/\text{NDF}: 16.0/25$

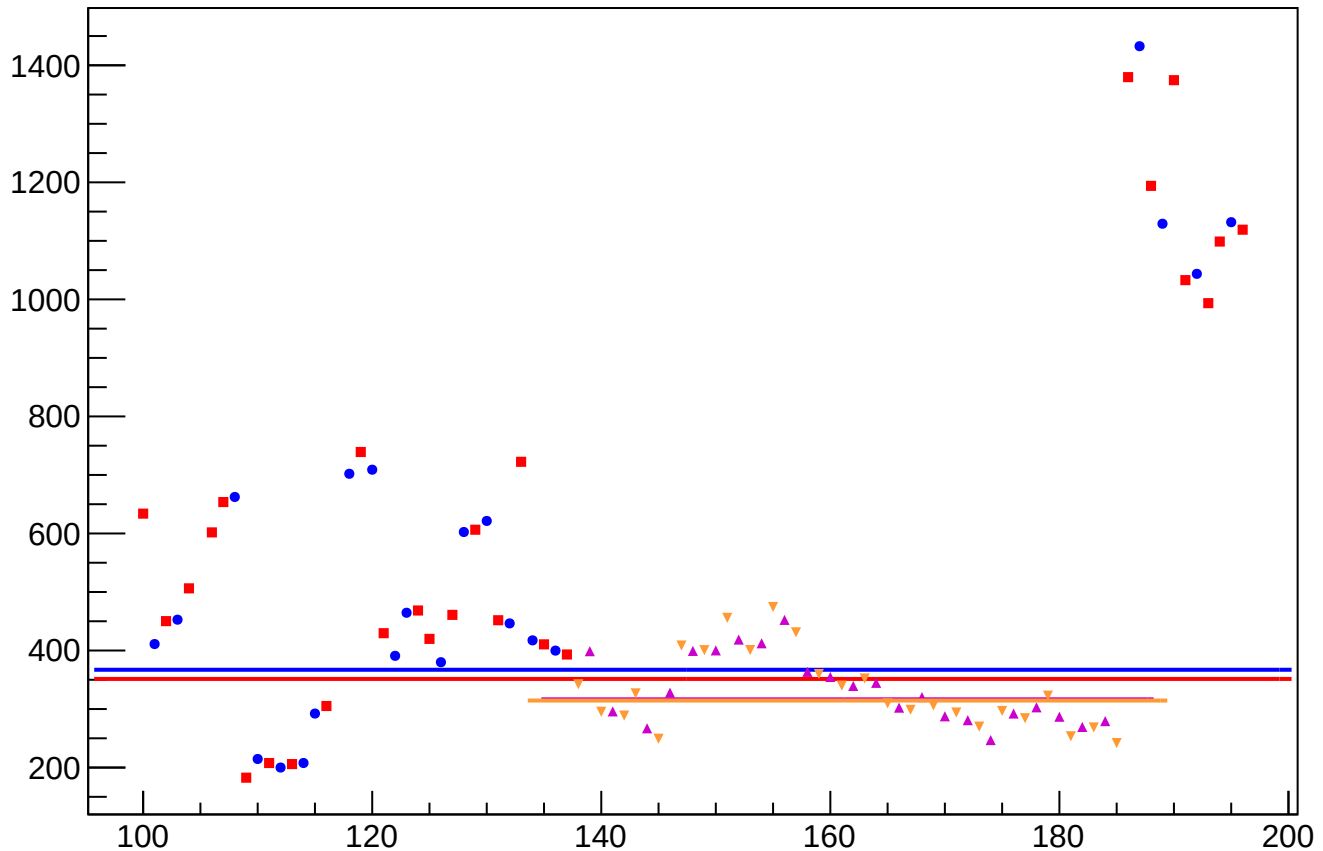
Left In: -82.890 ± 76.904 $\chi^2/\text{NDF}: 29.0/22$

+ sign 331.560 ± 65.860 $\chi^2/\text{NDF}: 76.2/45$

All: 181.128 ± 46.512 $\chi^2/\text{NDF}: 139.8/94$

- sign 31.446 ± 65.696 $\chi^2/\text{NDF}: 53.2/48$

asym_sam7_rms vs Slug



Right In: 367.128+/-0.099 χ^2/NDF : 4150688.2/20

Left Out: 314.538+/-0.053 χ^2/NDF : 1112445.6/24

Right Out: 351.436+/-0.089 χ^2/NDF : 6934845.4/25

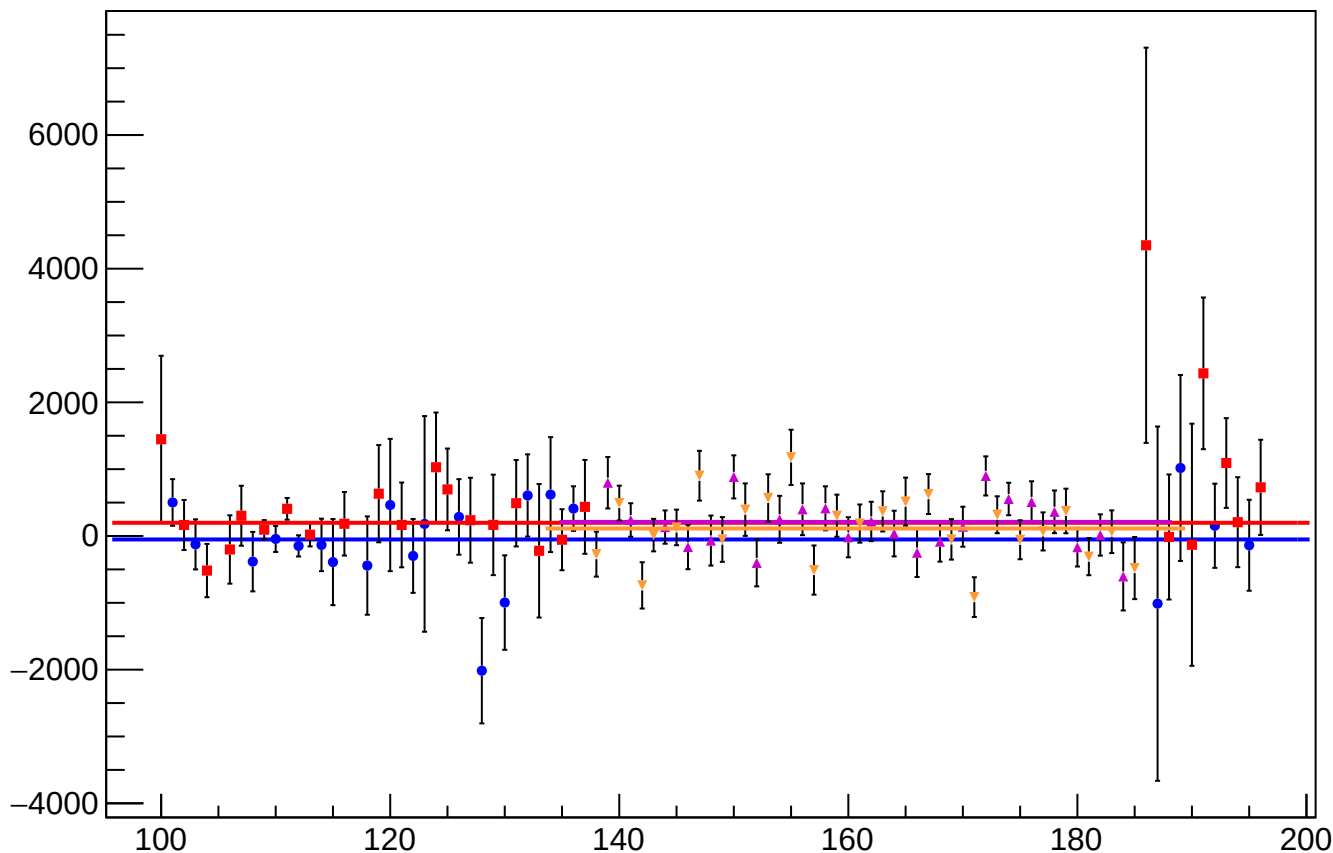
Left In: 316.647+/-0.054 χ^2/NDF : 920874.0/22

+ sign 326.080+/-0.047 χ^2/NDF : 5481579.5/45

All: 326.064+/-0.033 χ^2/NDF : 13447908.8/94

- sign 326.049+/-0.046 χ^2/NDF : 7966329.1/48

asym_sam8_mean vs Slug



Right In: -51.724 ± 88.767 χ^2/NDF : 17.4/20

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 197.457 ± 75.051 χ^2/NDF : 19.2/25

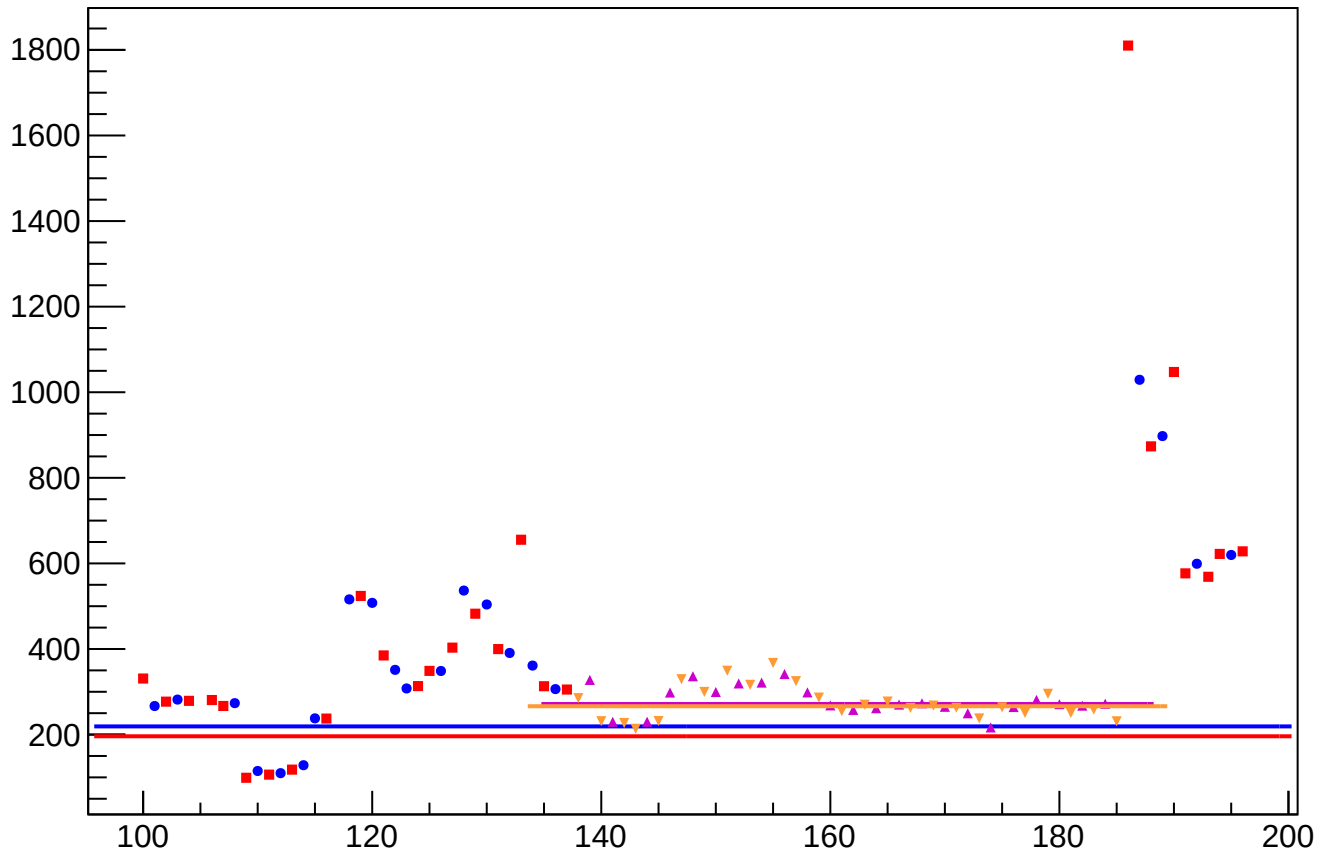
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 57.731 ± 51.182 χ^2/NDF : 68.9/45

All: 133.956 ± 35.527 χ^2/NDF : 121.5/94

- sign 204.833 ± 49.353 χ^2/NDF : 48.4/48

asym_sam8_rms vs Slug



Right In: 219.106 $\pm$ 0.063 χ^2 /NDF: 5551141.3/20

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 196.028 $\pm$ 0.053 χ^2 /NDF: 8751114.4/25

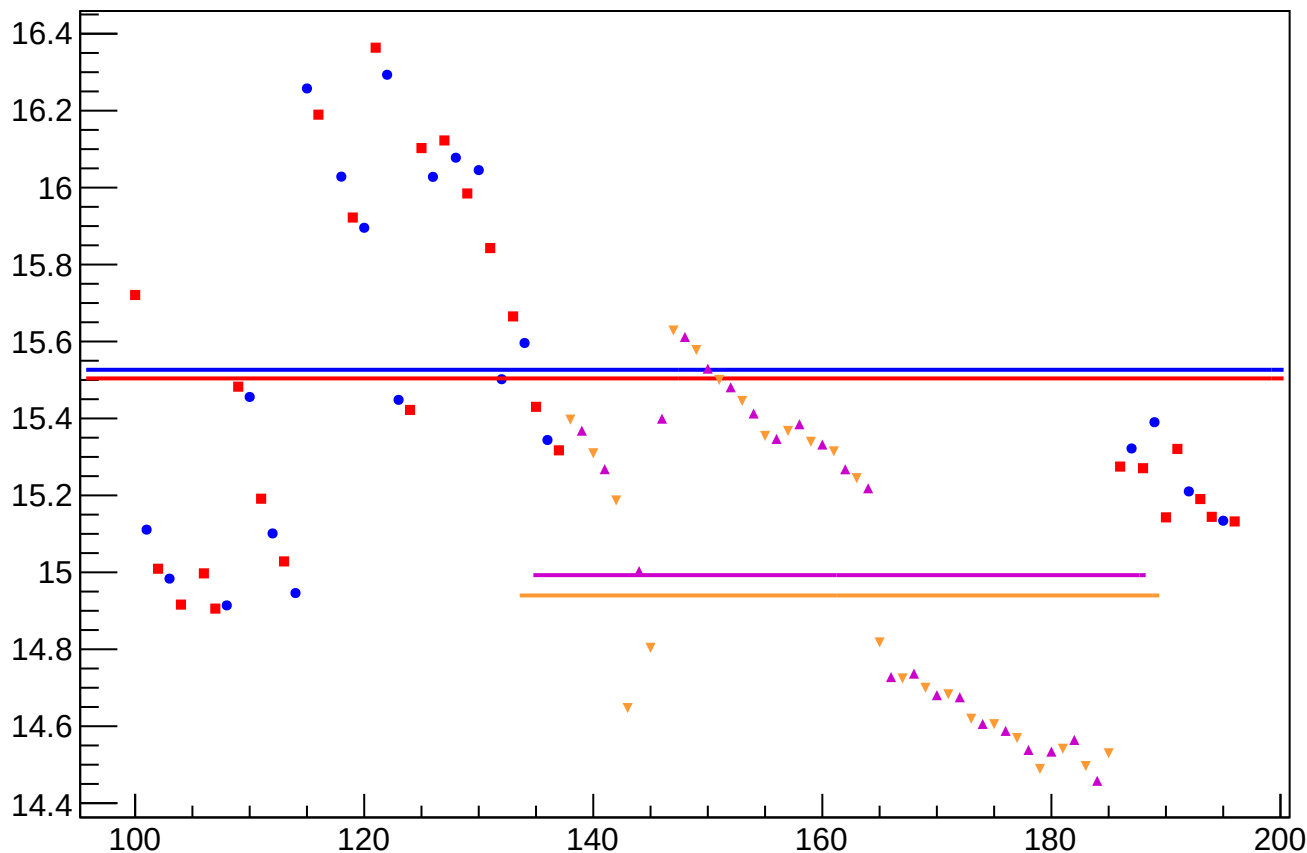
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 250.548 $\pm$ 0.036 χ^2 /NDF: 6576666.3/45

All: 244.468 $\pm$ 0.025 χ^2 /NDF: 17049452.7/94

- sign 238.815 $\pm$ 0.035 χ^2 /NDF: 10418316.6/48

yield_sam1_mean vs Slug



Right In: 15.526+/-0.000 χ^2/NDF : 7327005895.3/20

Left Out: 14.940+/-0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.504+/-0.000 χ^2/NDF : 8146573112.1/25

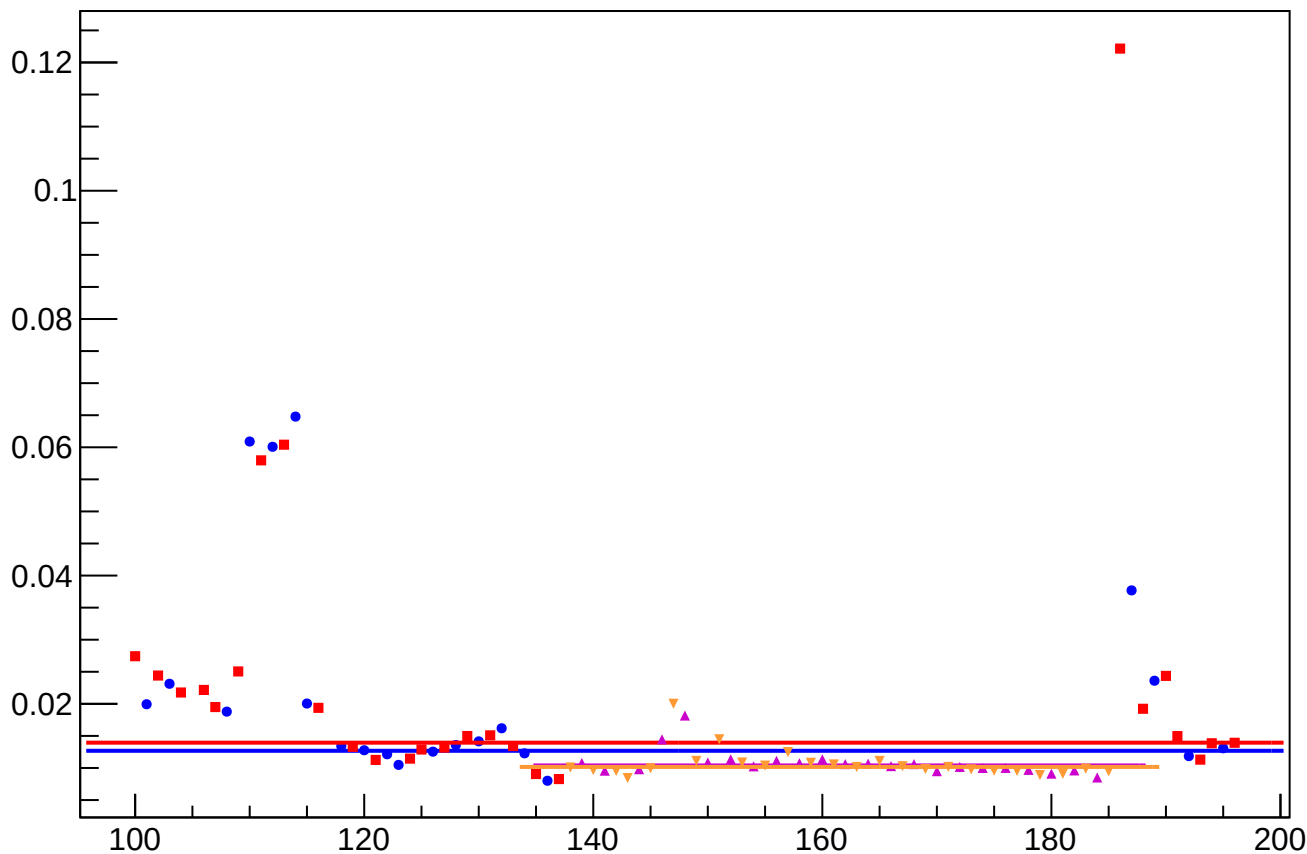
Left In: 14.993+/-0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.064+/-0.000 χ^2/NDF : 43746430899.6/45

All: 15.088+/-0.000 χ^2/NDF : 83484397397.0

- sign 15.113+/-0.000 χ^2/NDF : 39499911912.4/48

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2457866.2/20

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2973264.7/25

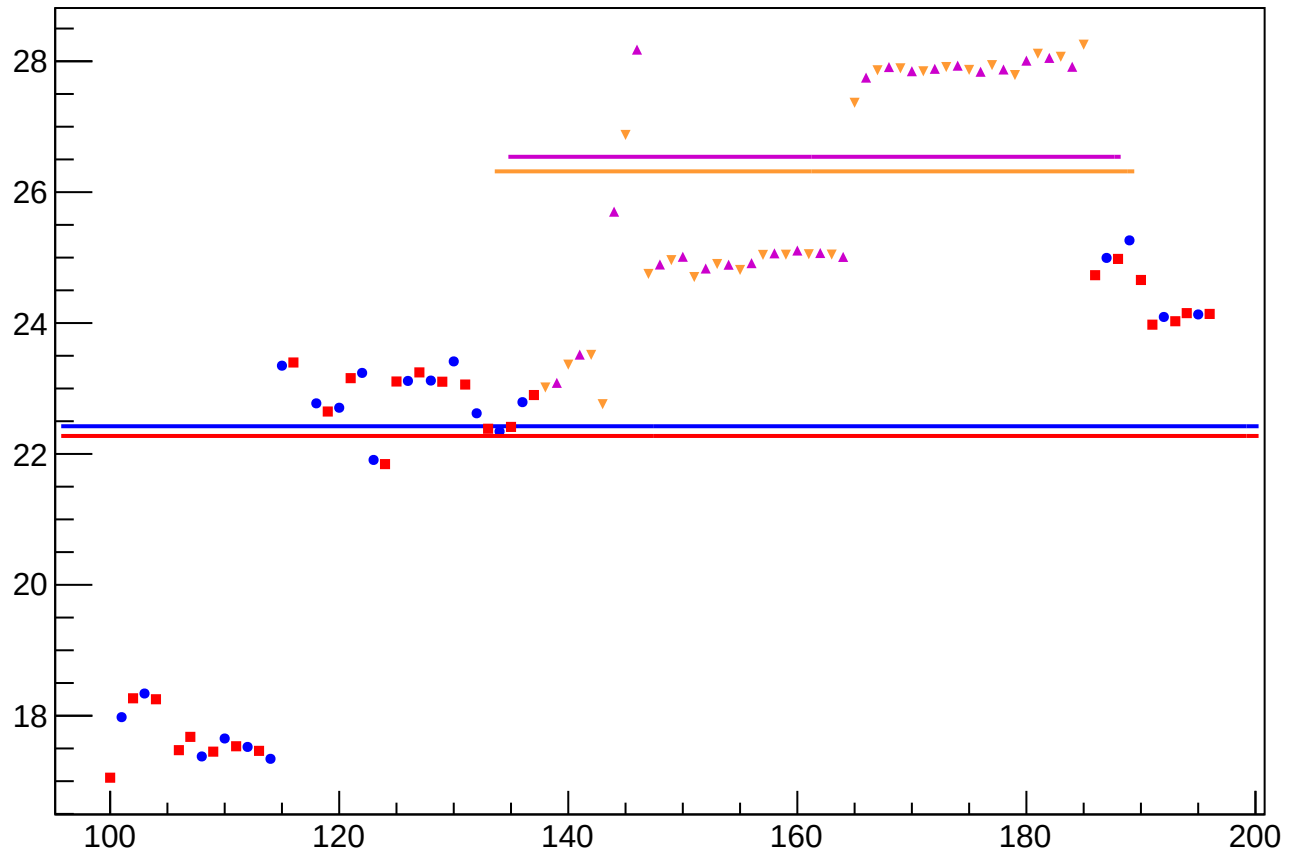
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3625199.6/45

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8100002.3/94

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4416697.1/48

yield_sam2_mean vs Slug



Right In: 22.423+/-0.000 χ^2 /NDF: 1029140650.8/20

Left Out: 26.318+/-0.000 χ^2 /NDF: 4715403741.0/24

Right Out: 22.275+/-0.000 χ^2 /NDF: 1261376126.8/25

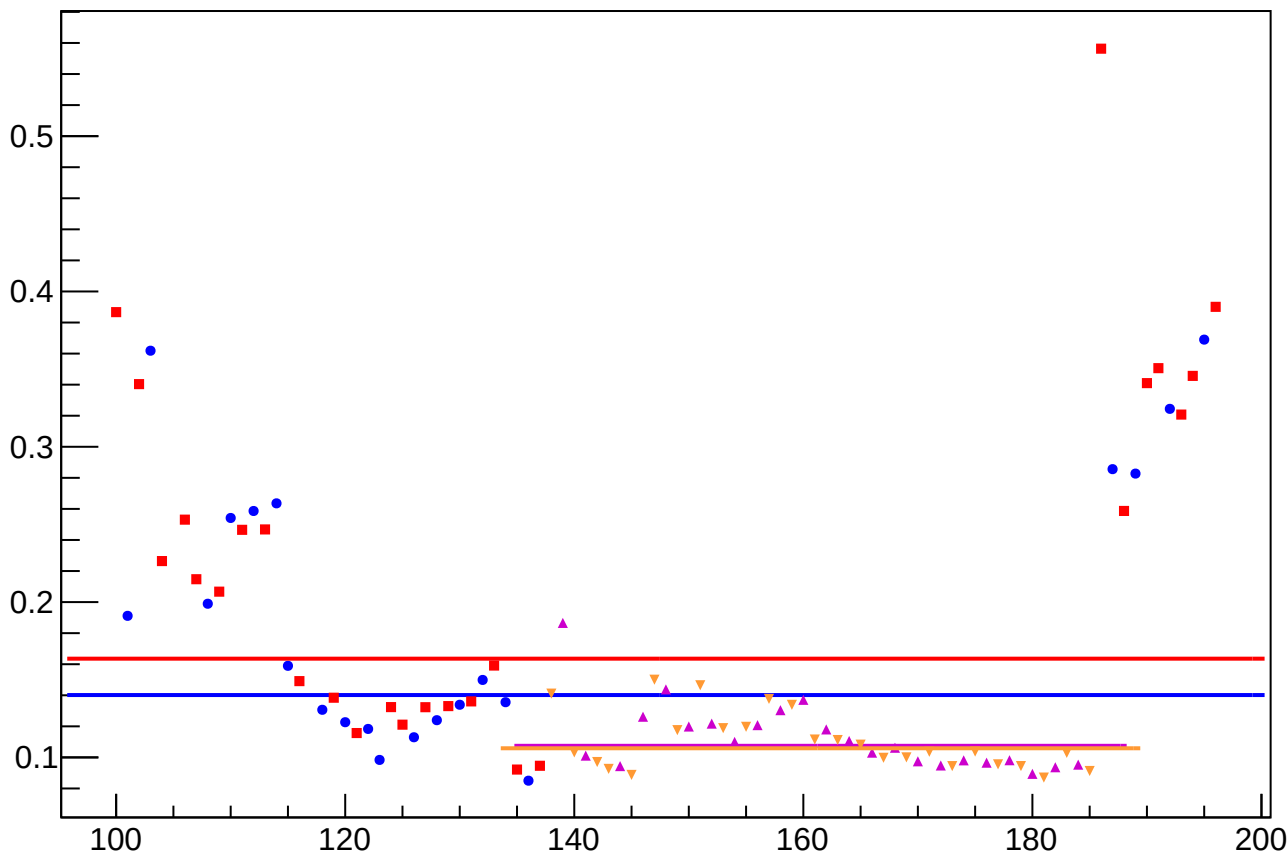
Left In: 26.540+/-0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.576+/-0.000 χ^2 /NDF: 9817804041.4/45

All: 25.641+/-0.000 χ^2 /NDF: 18984296033.6

- sign 25.711+/-0.000 χ^2 /NDF: 9151165395.0/48

yield_sam2_rms vs Slug



Right In: 0.140 $\pm$ 0.000 χ^2 /NDF: 3072002.8/20

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 732883.8/24

Right Out: 0.164 $\pm$ 0.000 χ^2 /NDF: 3963738.0/25

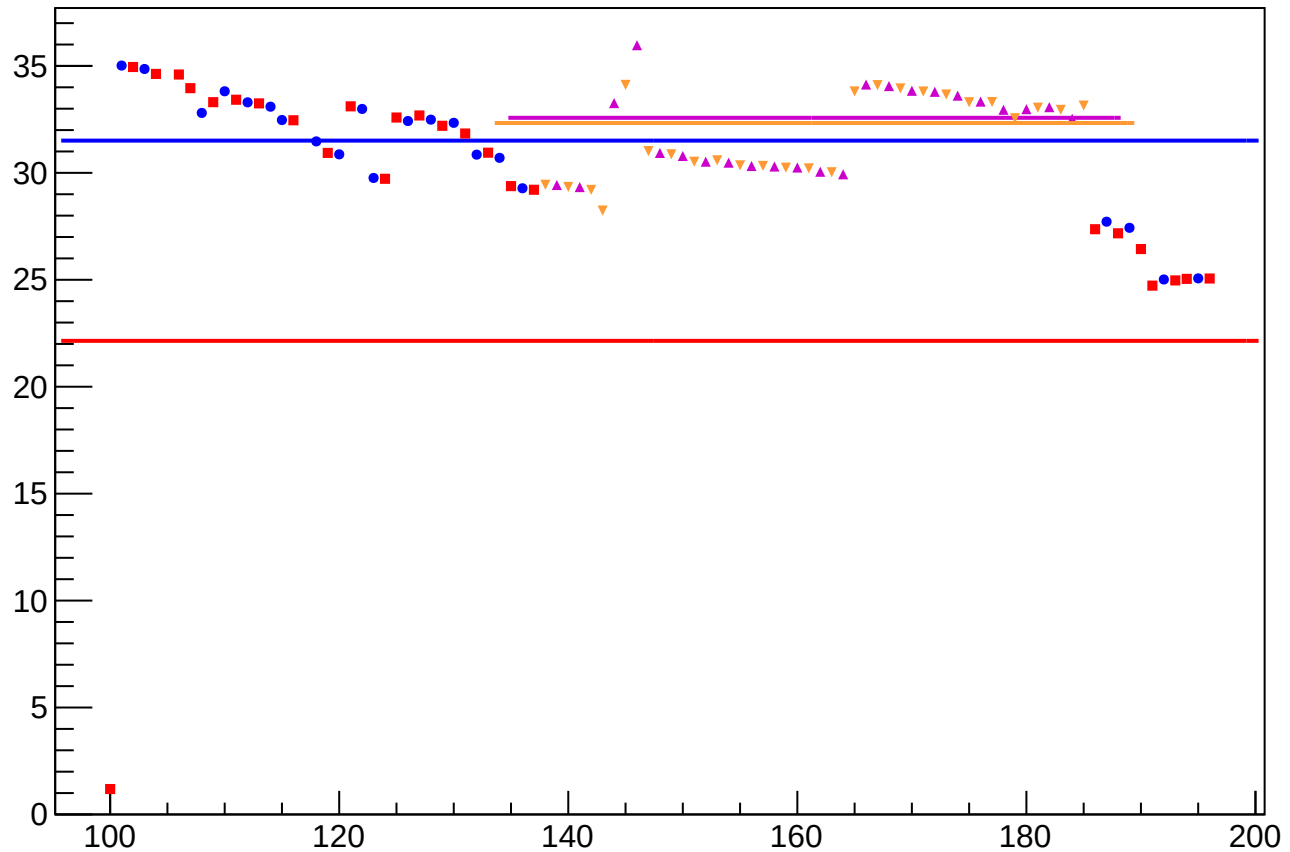
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF: 771132.0/22

+ sign 0.112 $\pm$ 0.000 χ^2 /NDF: 4435817.3/45

All: 0.115 $\pm$ 0.000 χ^2 /NDF: 10815016.3/94

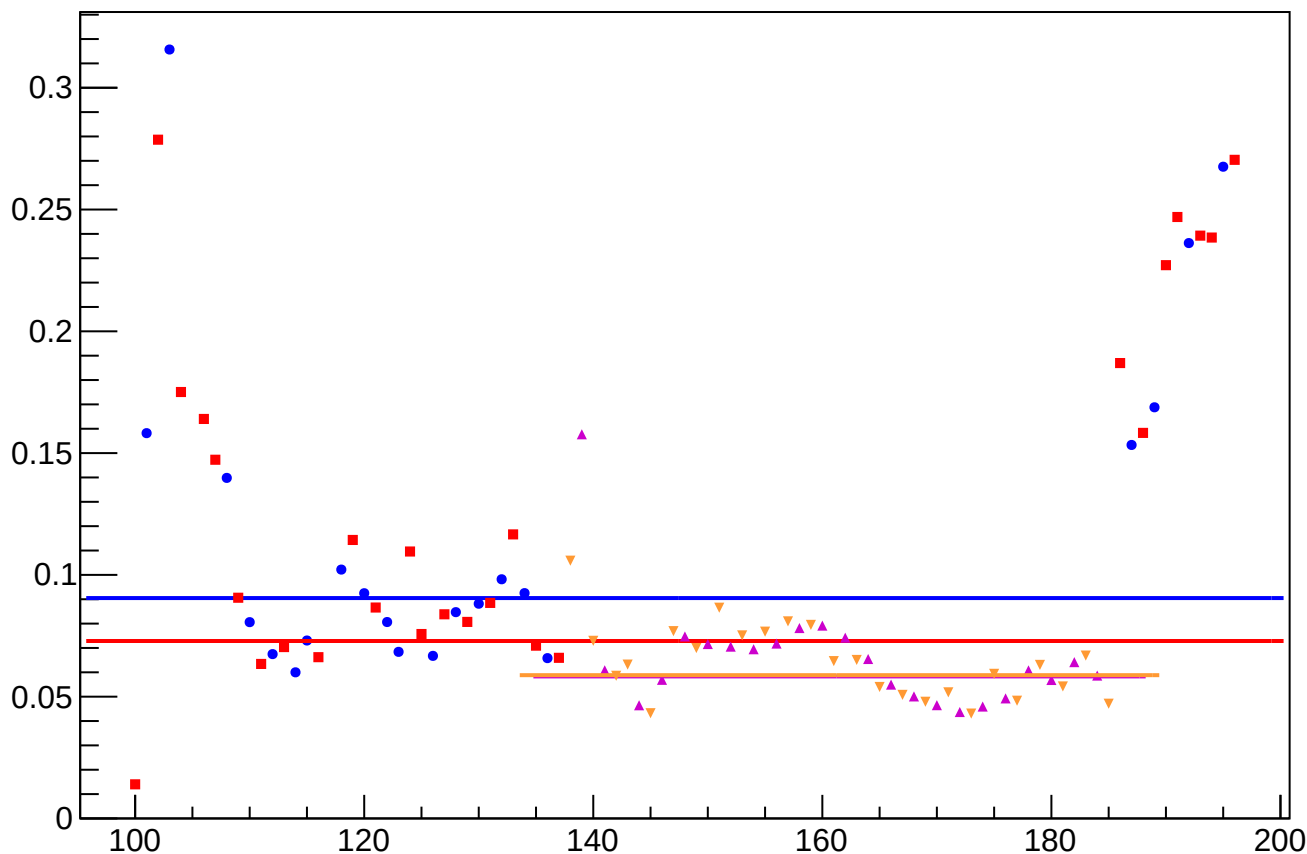
- sign 0.118 $\pm$ 0.000 χ^2 /NDF: 6319746.0/48

yield_sam3_mean vs Slug



Right In: 31.508 $\pm$ 0.000	χ^2 /NDF: 3443988910.3/20	+ sign 32.202 $\pm$ 0.000	χ^2 /NDF: 16731520485.4/45
Left Out: 32.331 $\pm$ 0.000	χ^2 /NDF: 12850475096.2/24	All: 31.182 $\pm$ 0.000	χ^2 /NDF: 365927734765.
Right Out: 22.145 $\pm$ 0.000	χ^2 /NDF: 230663519453.7/25	- sign 30.205 $\pm$ 0.000	χ^2 /NDF: 339301583828.9/48
Left In: 32.574 $\pm$ 0.000	χ^2 /NDF: 11797772603.7/22		

yield_sam3_rms vs Slug



Right In: 0.090 $\pm$ 0.000 χ^2 /NDF: 2867161.0/20

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.073 $\pm$ 0.000 χ^2 /NDF: 7496531.5/25

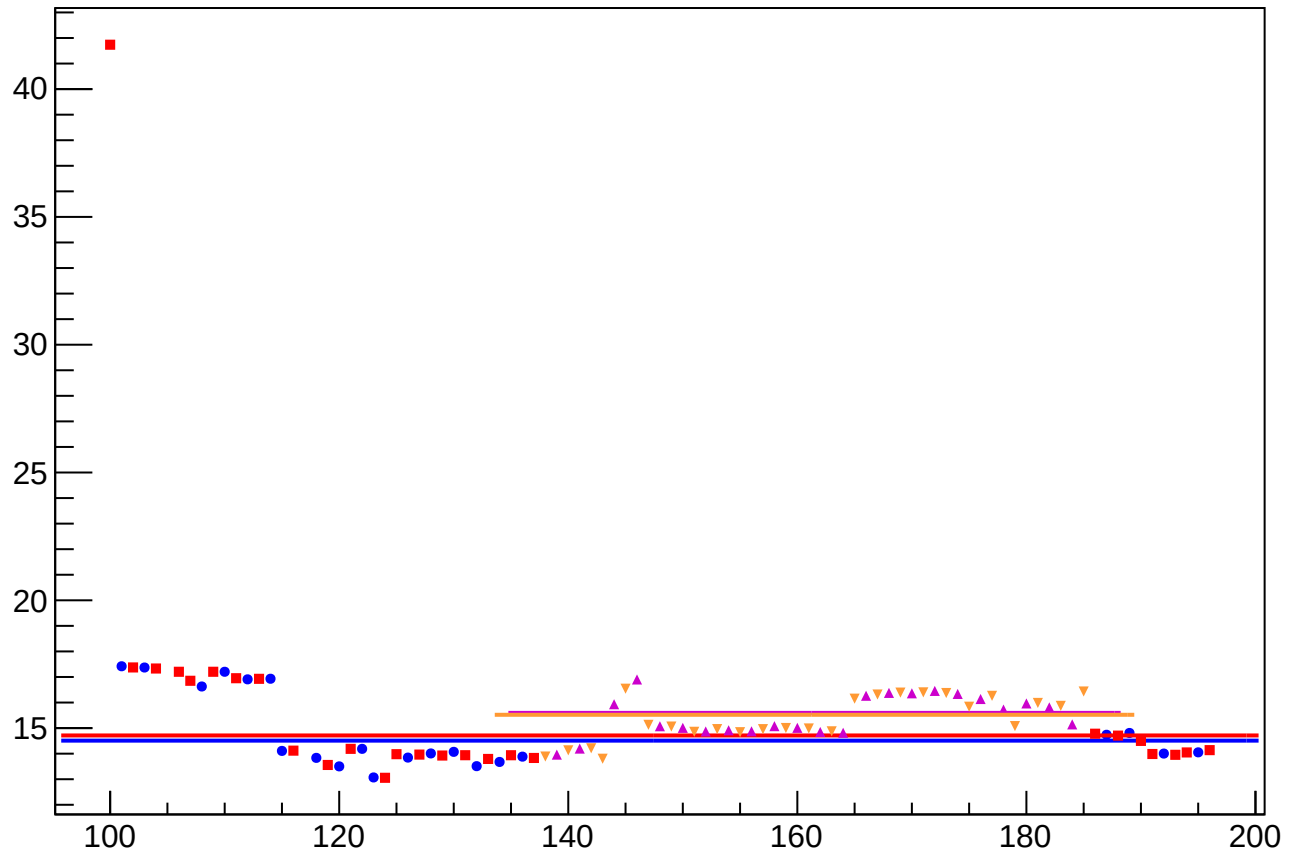
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.064 $\pm$ 0.000 χ^2 /NDF: 5561620.9/45

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 14984220.5/94

- sign 0.062 $\pm$ 0.000 χ^2 /NDF: 9398763.5/48

yield_sam4_mean vs Slug



Right In: 14.510+/-0.000 χ^2/NDF : 1495442423.6/20

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.712+/-0.000 χ^2/NDF : 1931213244.8/25

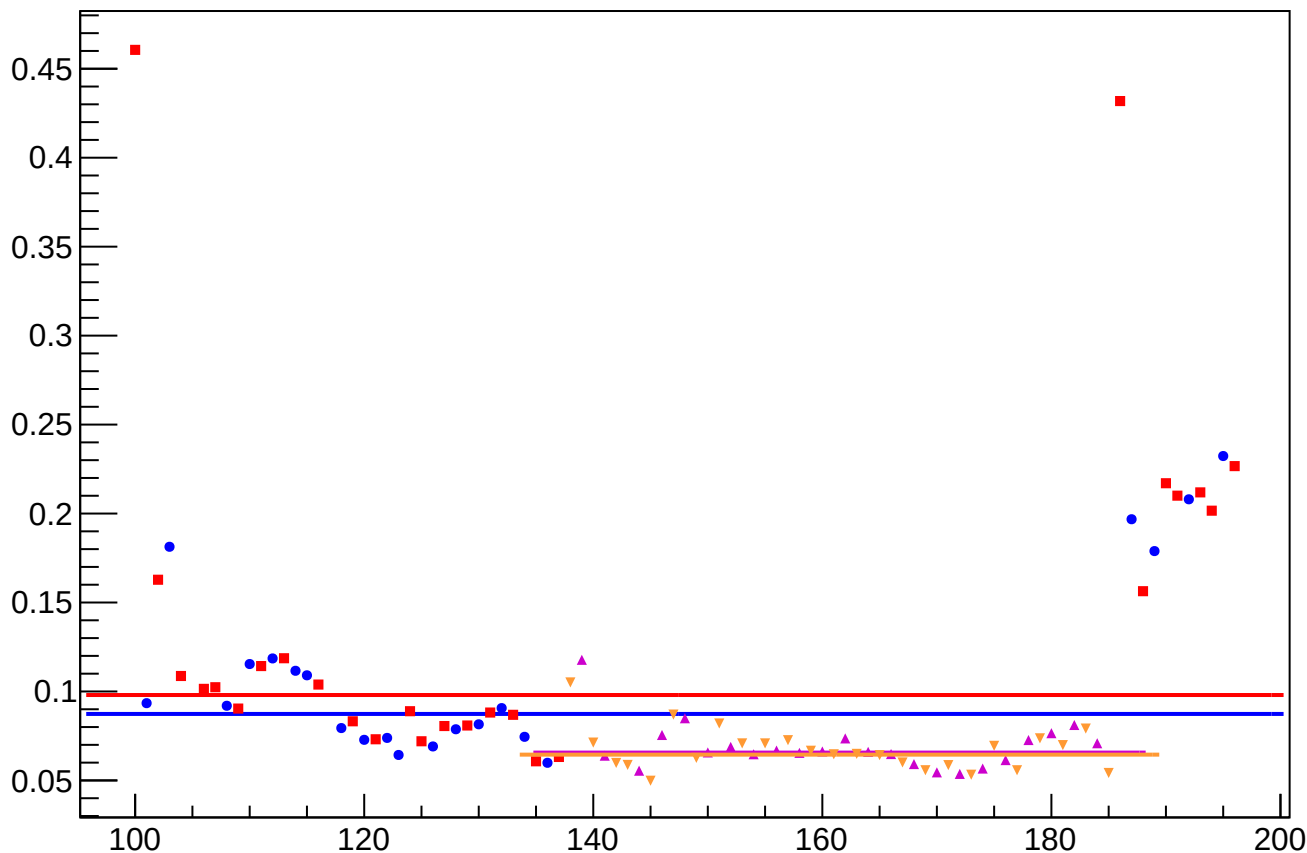
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.323+/-0.000 χ^2/NDF : 4836042224.7/45

All: 15.366+/-0.000 χ^2/NDF : 9250225408.2/95

- sign 15.412+/-0.000 χ^2/NDF : 4396592558.2/48

yield_sam4_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF : 2393957.7/20

Left Out: 0.064+/-0.000 χ^2/NDF : 761552.3/24

Right Out: 0.098+/-0.000 χ^2/NDF : 3331519.6/25

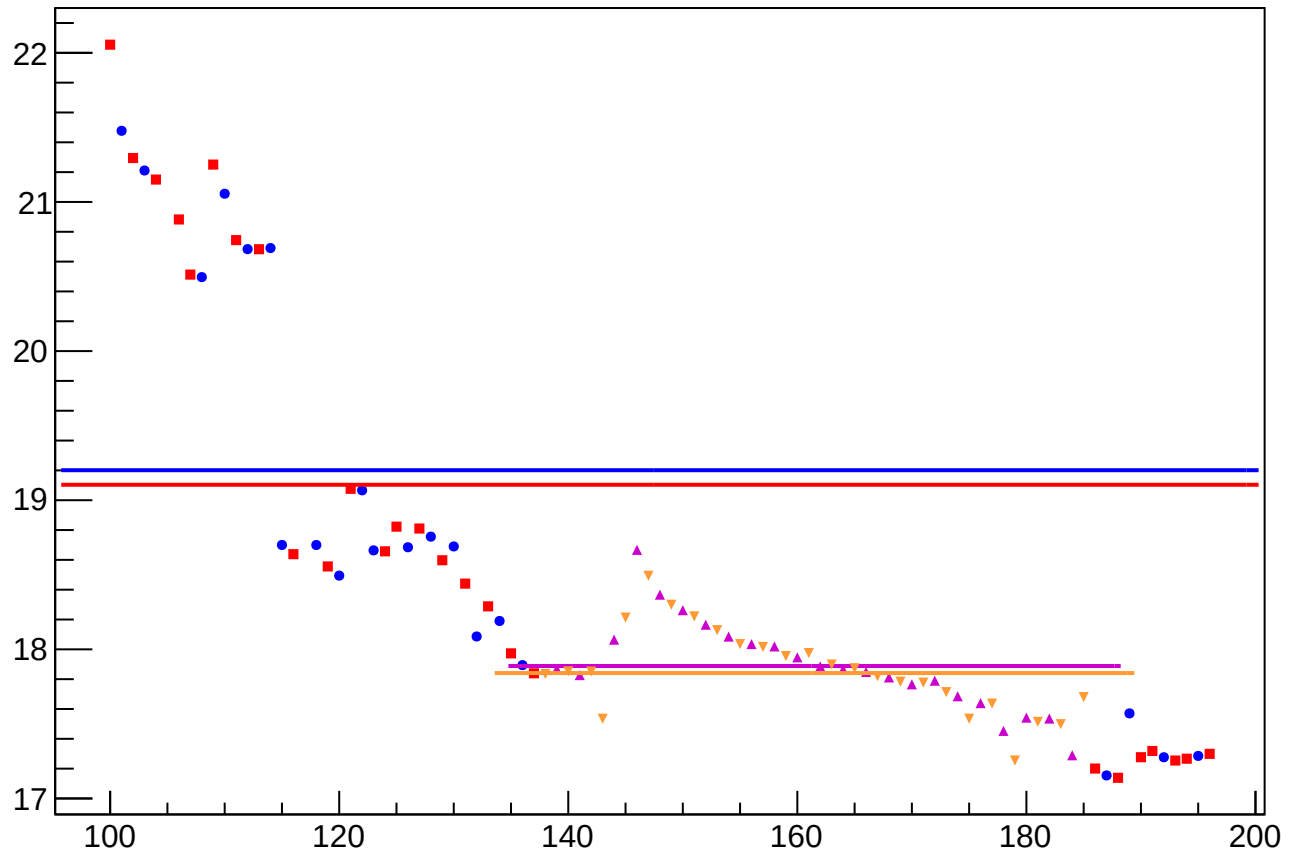
Left In: 0.066+/-0.000 χ^2/NDF : 714703.1/22

+ sign 0.069+/-0.000 χ^2/NDF : 3922225.3/45

All: 0.071+/-0.000 χ^2/NDF : 9515705.2/94

- sign 0.072+/-0.000 χ^2/NDF : 5541477.2/48

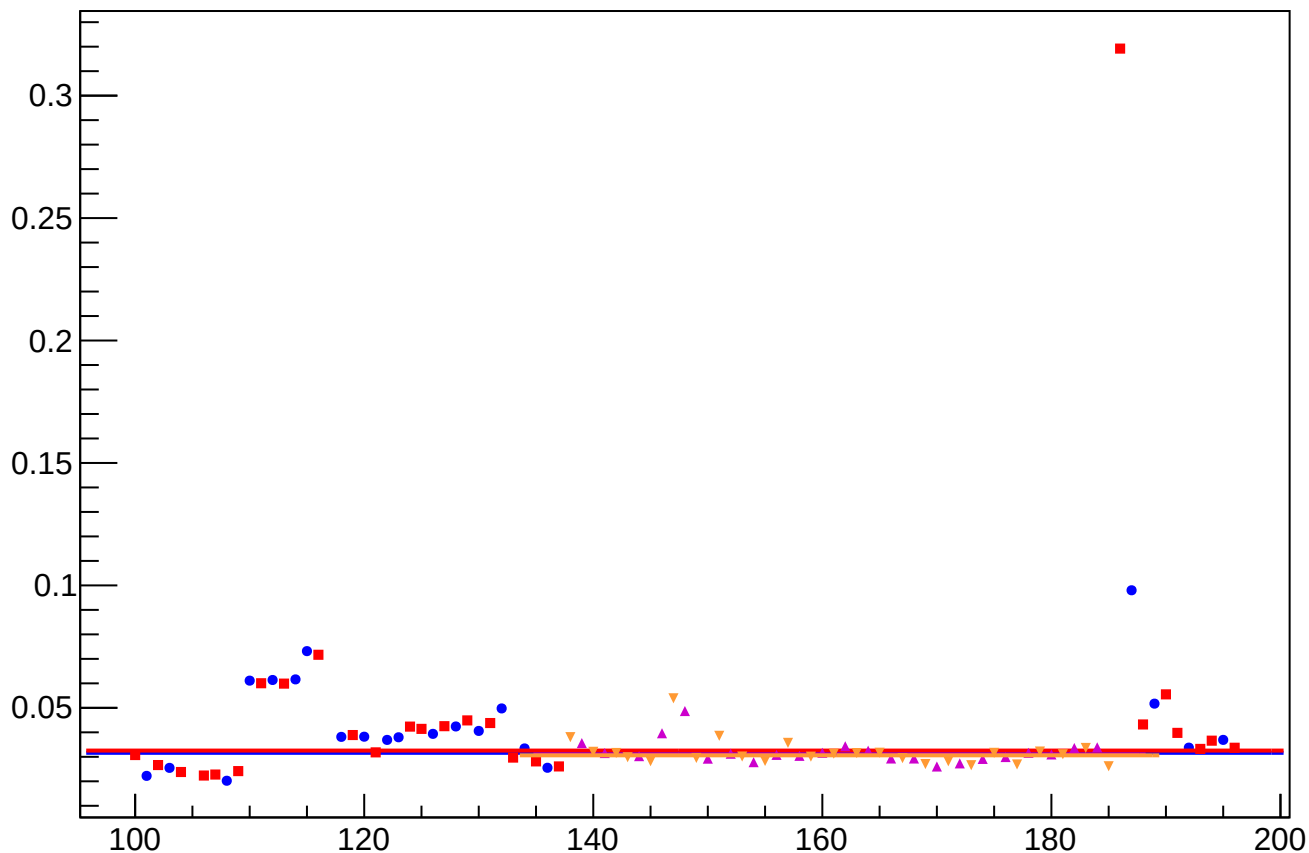
yield_sam5_mean vs Slug



Right In: 19.201 $\pm$ 0.000 χ^2/NDF : 19230472796.8/20
 Left Out: 17.841 $\pm$ 0.000 χ^2/NDF : 1283287989.7/24
 Right Out: 19.104 $\pm$ 0.000 χ^2/NDF : 23977220585.3/25
 Left In: 17.888 $\pm$ 0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.236 $\pm$ 0.000 χ^2/NDF : 30534136590.4/45
 All: 18.268 $\pm$ 0.000 χ^2/NDF : 64471969576.8
 - sign 18.301 $\pm$ 0.000 χ^2/NDF : 33883293446.1/48

yield_sam5_rms vs Slug



Right In: 0.032 ± 0.000 χ^2/NDF : 1634393.3/20

Left Out: 0.031 ± 0.000 χ^2/NDF : 590475.6/24

Right Out: 0.033 ± 0.000 χ^2/NDF : 2056309.5/25

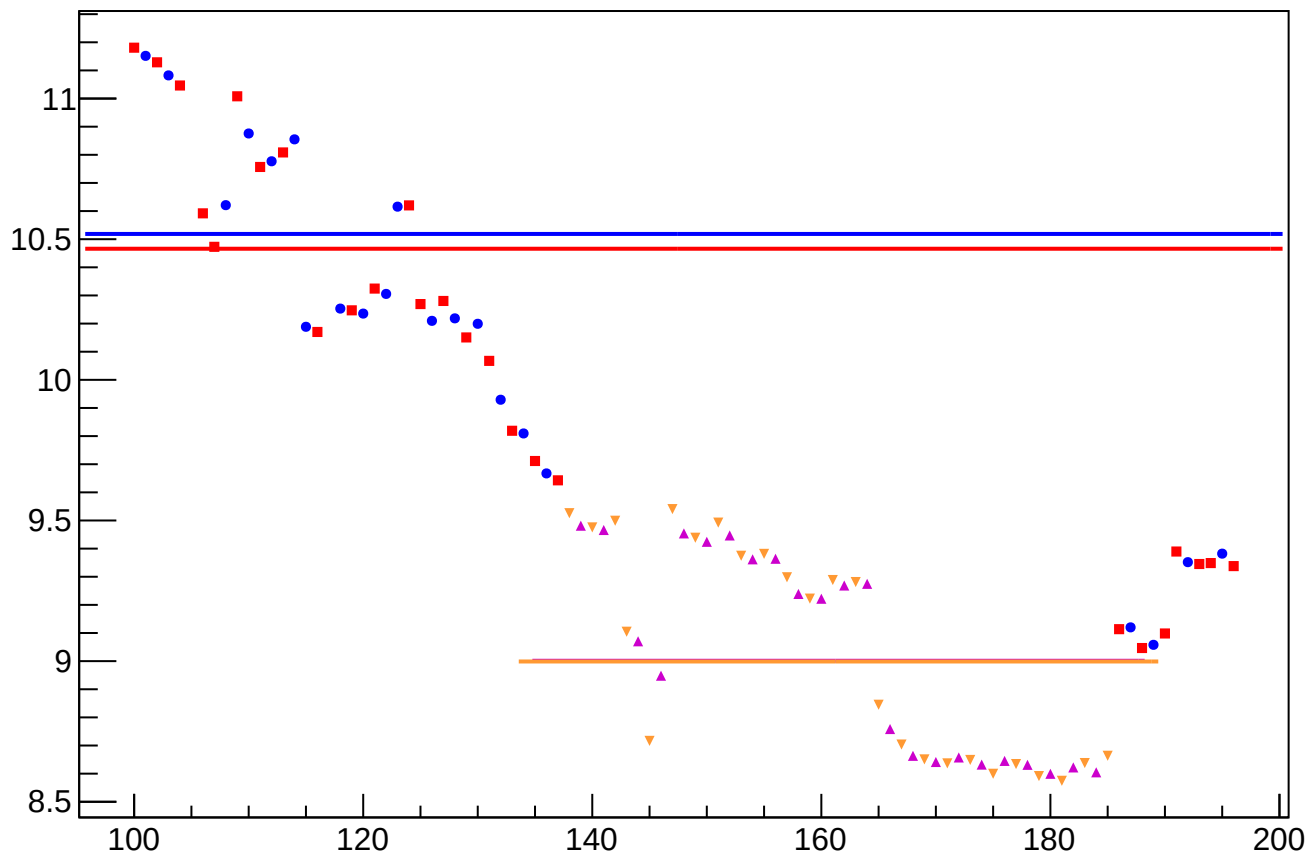
Left In: 0.031 ± 0.000 χ^2/NDF : 453524.6/22

+ sign 0.031 ± 0.000 χ^2/NDF : 2236295.0/45

All: 0.031 ± 0.000 χ^2/NDF : 4786318.7/94

- sign 0.031 ± 0.000 χ^2/NDF : 2541916.5/48

yield_sam6_mean vs Slug



Right In: 10.519 $\pm$ 0.000 χ^2 /NDF: 9622771096.7/20

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.466 $\pm$ 0.000 χ^2 /NDF: 9573377957.8/25

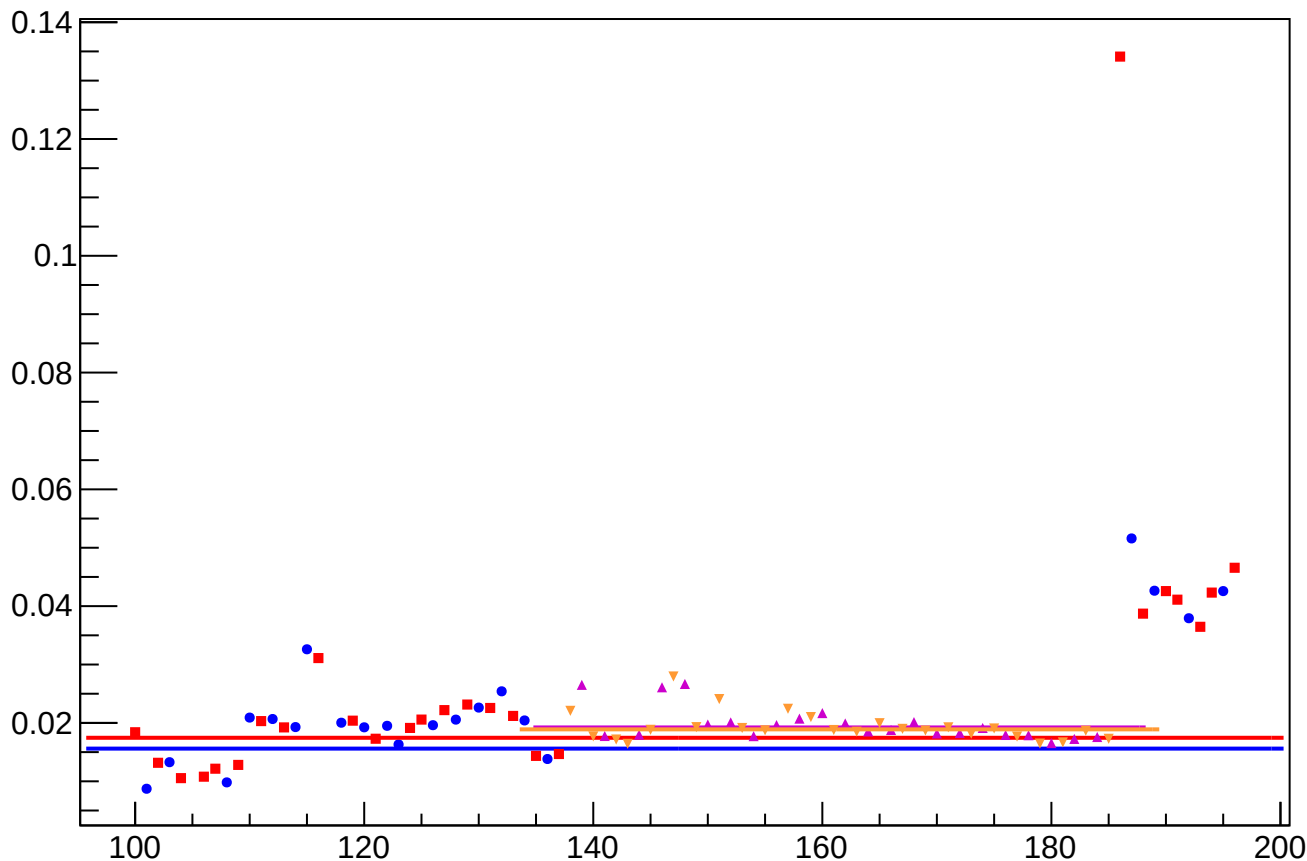
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.558 $\pm$ 0.000 χ^2 /NDF: 55981535524.4/45

All: 9.566 $\pm$ 0.000 χ^2 /NDF: 106830078949.0

- sign 9.575 $\pm$ 0.000 χ^2 /NDF: 50839129333.5/48

yield_sam6_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 3238613.2/20

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.017+/-0.000 χ^2/NDF : 4267427.4/25

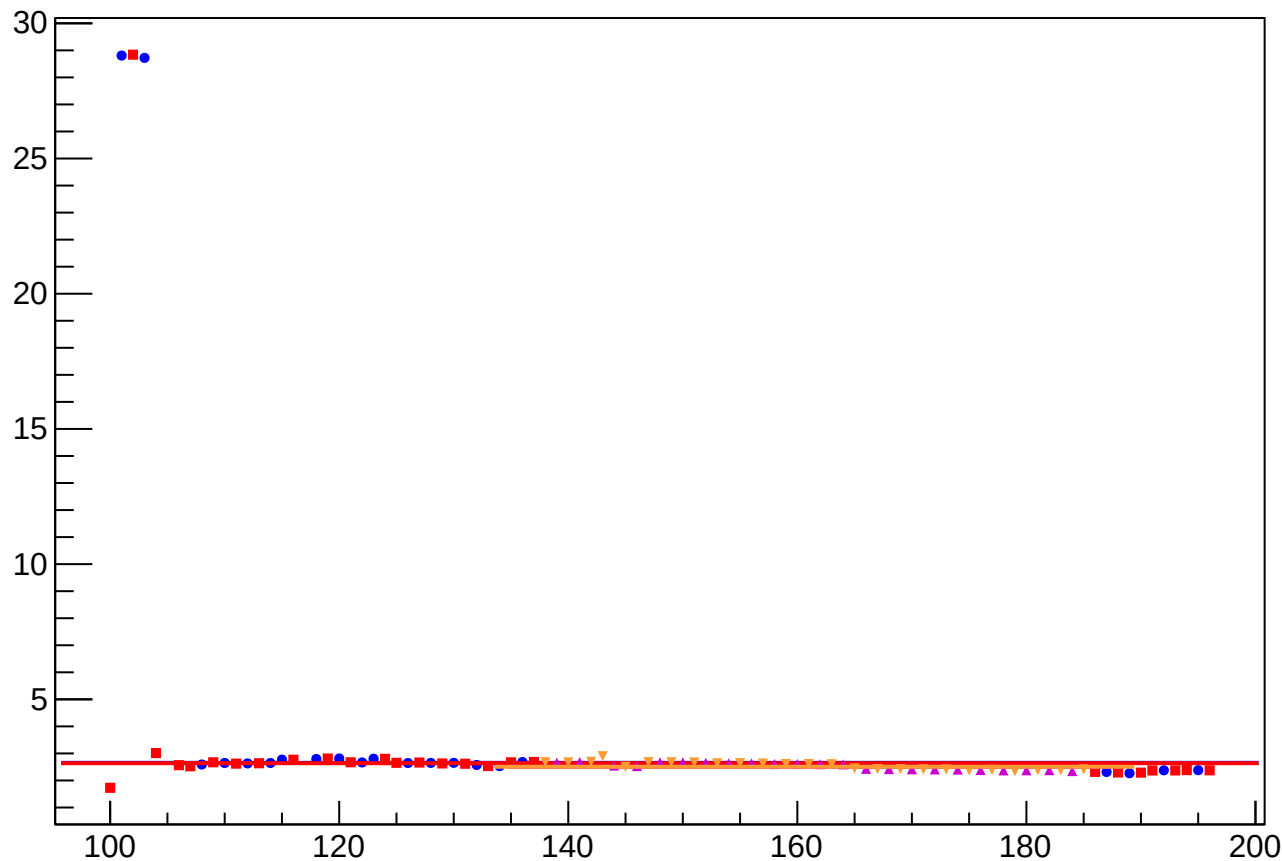
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.018+/-0.000 χ^2/NDF : 4042942.5/45

All: 0.018+/-0.000 χ^2/NDF : 8949260.6/94

- sign 0.019+/-0.000 χ^2/NDF : 4854207.6/48

yield_sam7_mean vs Slug



Right In: 2.652 $\pm$ 0.000 χ^2 /NDF: 168511236433.2/20

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.638 $\pm$ 0.000 χ^2 /NDF: 80851518128.2/25

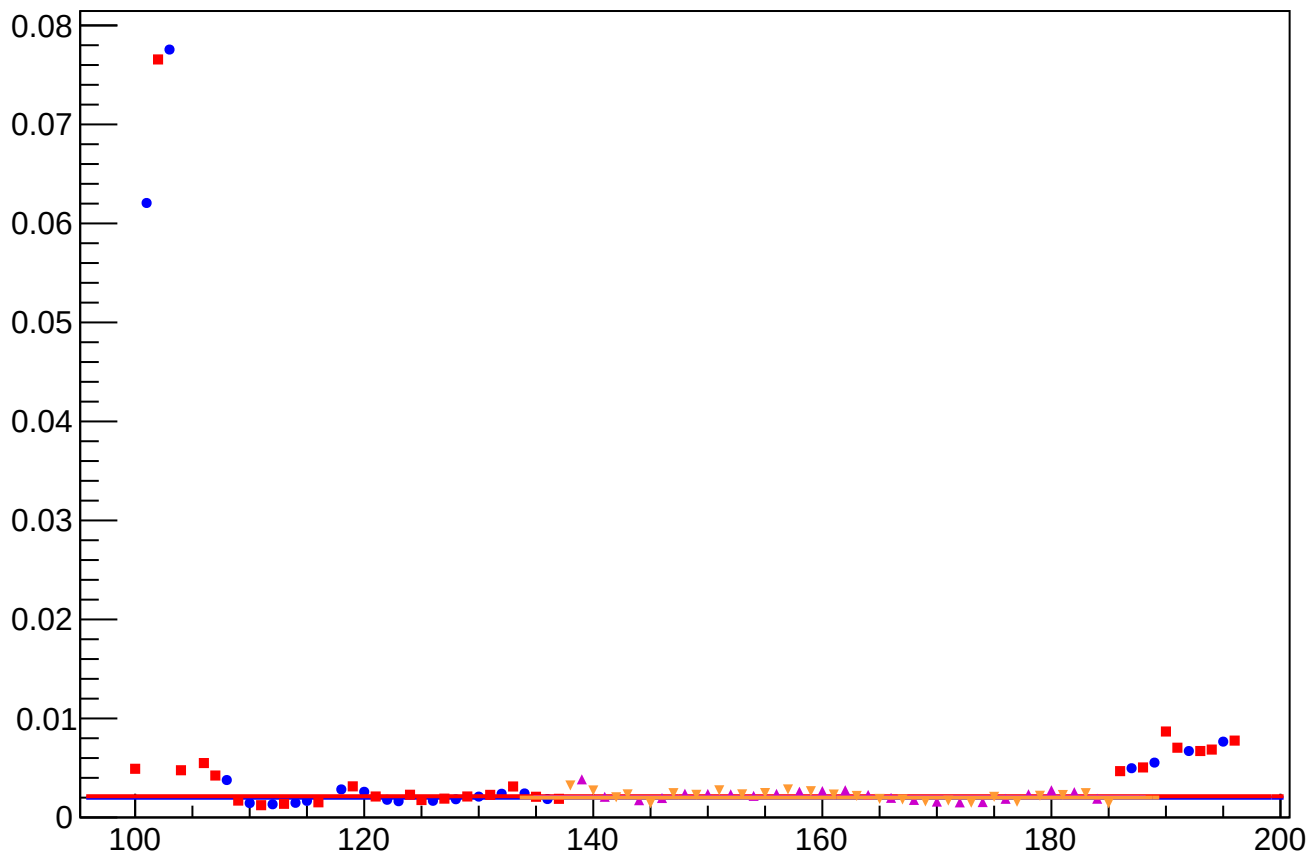
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.547 $\pm$ 0.000 χ^2 /NDF: 254094955581.8/45

All: 2.547 $\pm$ 0.000 χ^2 /NDF: 396223559678.0

- sign 2.547 $\pm$ 0.000 χ^2 /NDF: 142128307234.7/48

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4936570.3/20

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 6201275.9/25

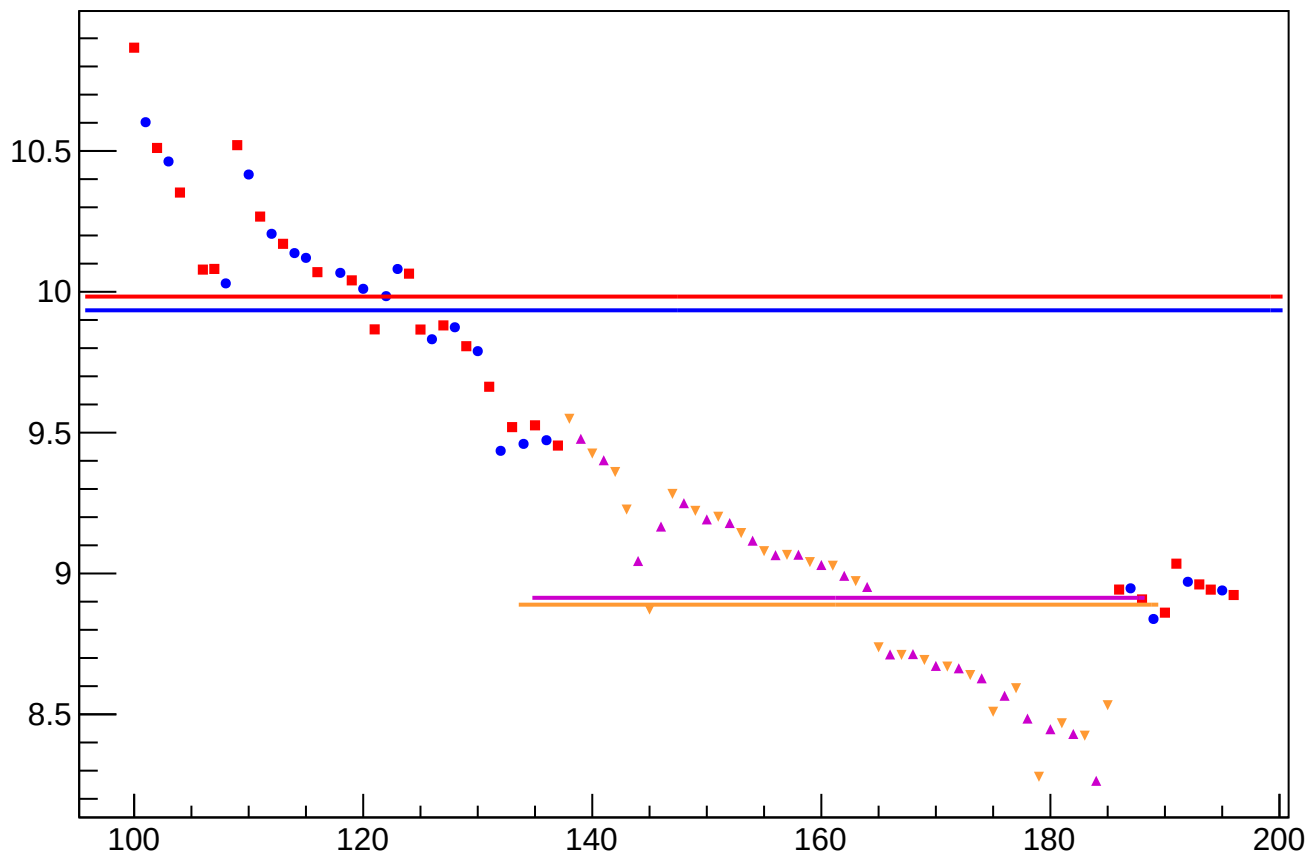
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 6406118.1/45

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 13959916.9/94

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7519579.0/48

yield_sam8_mean vs Slug



Right In: 9.934 $\pm$ 0.000 χ^2/NDF : 29347467097.6/20

Left Out: 8.889 $\pm$ 0.000 χ^2/NDF : 34704694045.9/24

Right Out: 9.983 $\pm$ 0.000 χ^2/NDF : 36226998175.9/25

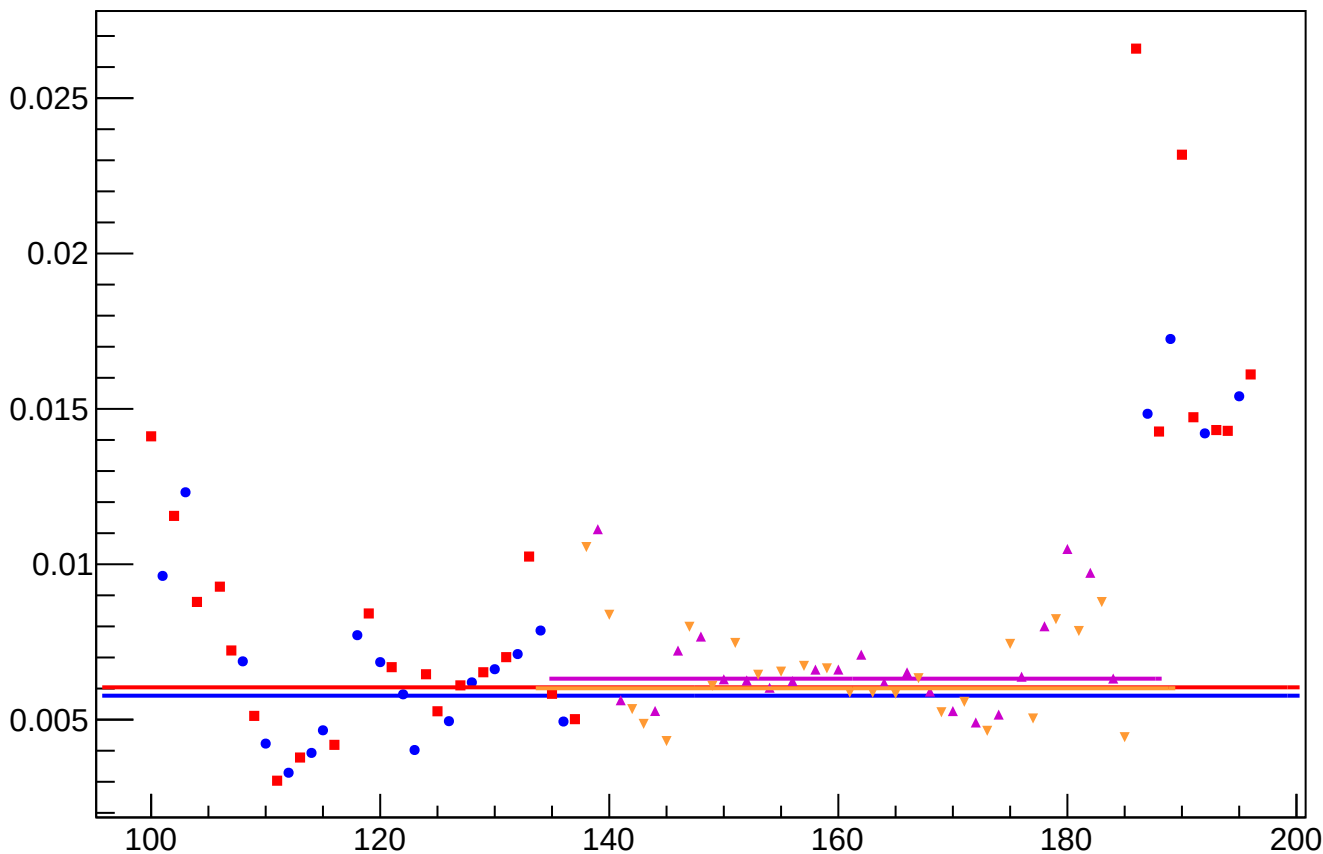
Left In: 8.914 $\pm$ 0.000 χ^2/NDF : 28497227562.7/22

+ sign 9.226 $\pm$ 0.000 χ^2/NDF : 205514254665.2/45

All: 9.269 $\pm$ 0.000 χ^2/NDF : 421693018139.7

- sign 9.314 $\pm$ 0.000 χ^2/NDF : 213914313943.3/48

yield_sam8_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 3072242.7/20

Left Out: 0.006+/-0.000 χ^2/NDF :1312525.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 5098275.3/25

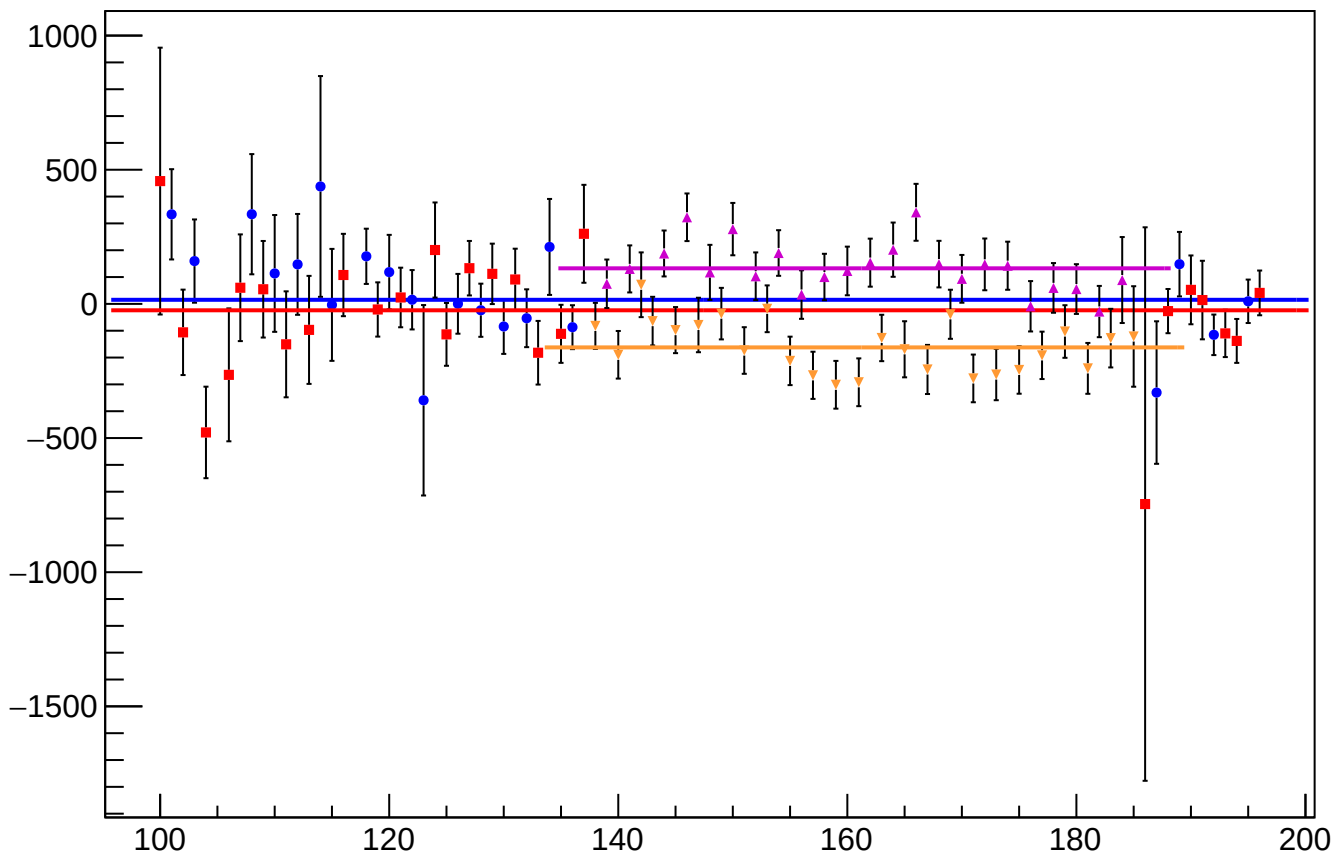
Left In: 0.006+/-0.000 χ^2/NDF :1087051.3/22

+ sign 0.006+/-0.000 χ^2/NDF : 4399513.3/45

All: 0.006+/-0.000 χ^2/NDF : 10650557.3/94

- sign 0.006+/-0.000 χ^2/NDF : 6205526.1/48

reg_asym_sam1_mean vs Slug



Right In: 15.250 ± 27.042 χ^2/NDF : 22.6/20

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -23.870 ± 24.675 χ^2/NDF : 27.4/25

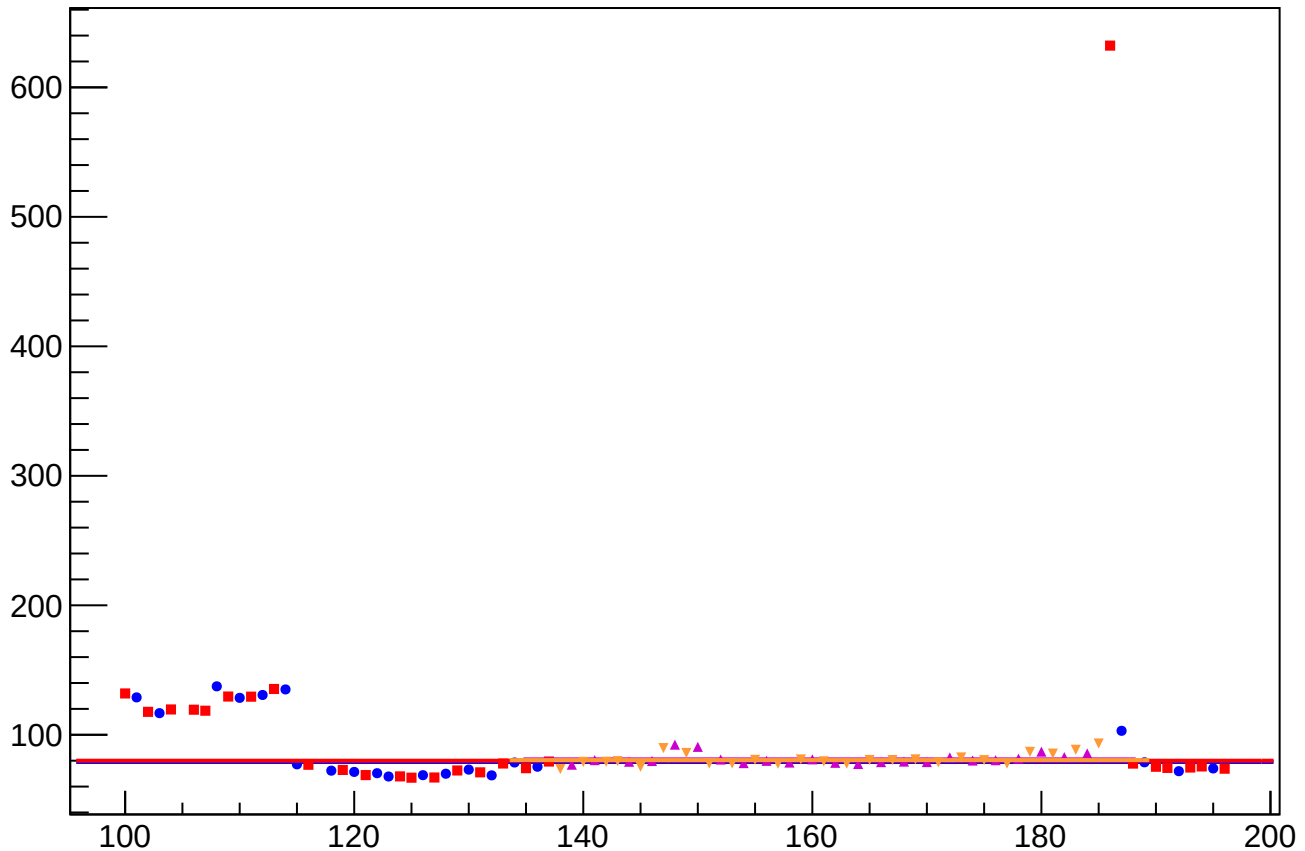
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -104.584 ± 15.406 χ^2/NDF : 77.3/45

All: -15.012 ± 10.839 χ^2/NDF : 217.3/94

- sign 72.788 ± 15.252 χ^2/NDF : 73.0/48

reg_asym_sam1_rms vs Slug



Right In: 79.013 $\pm$ 0.019 χ^2 /NDF: 855623.3/20

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 79.979 $\pm$ 0.017 χ^2 /NDF: 1526359.7/25

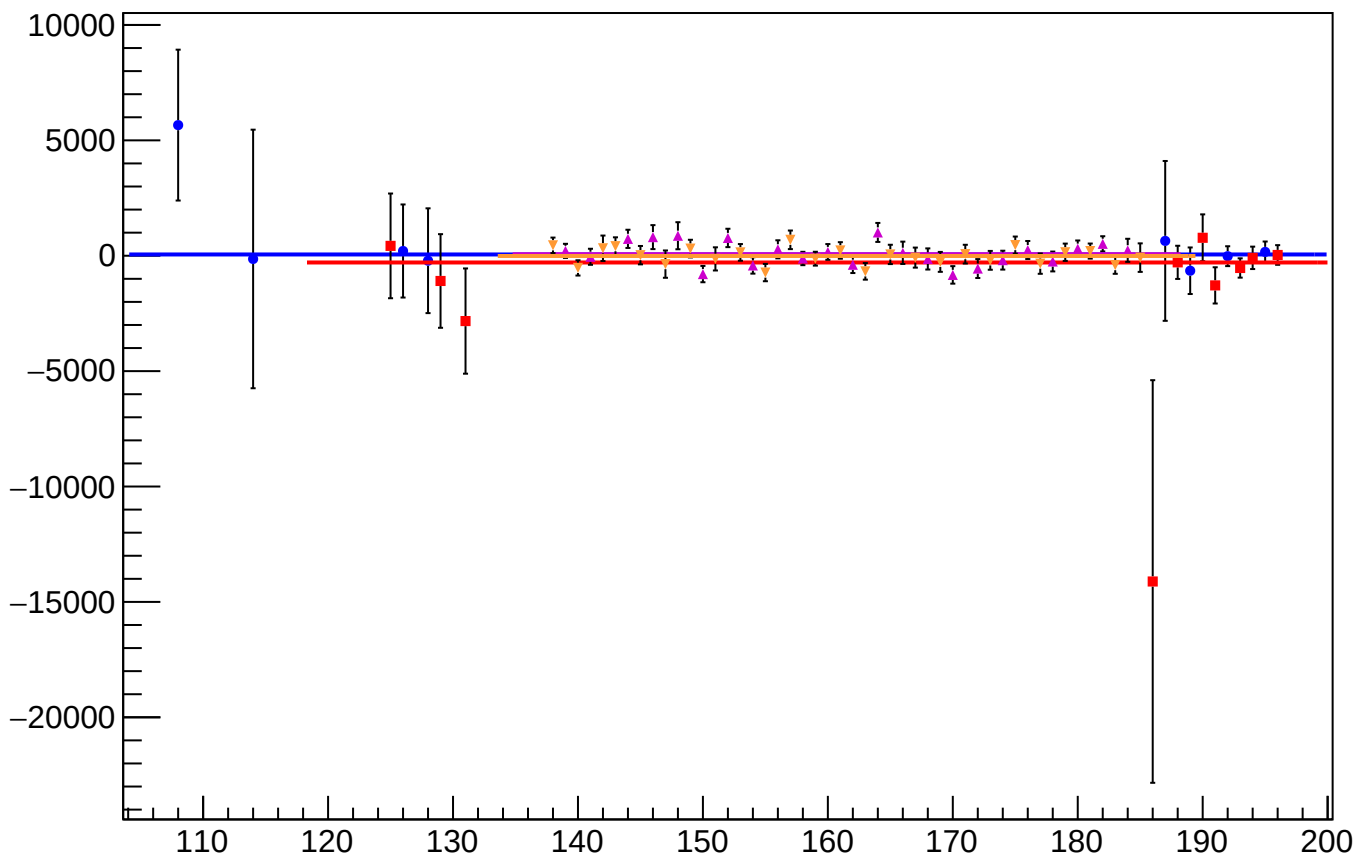
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 79.990 $\pm$ 0.011 χ^2 /NDF: 949426.5/45

All: 80.307 $\pm$ 0.008 χ^2 /NDF: 2551894.1/94

- sign 80.618 $\pm$ 0.011 χ^2 /NDF: 1600785.1/48

asym_sam1_correction_mean vs Slug



Right In: 55.316 $\pm$ 289.203 χ^2 /NDF: 3.6/7

Left Out: -10.486 $\pm$ 78.391 χ^2 /NDF: 22.5/24

Right Out: -292.027 $\pm$ 220.061 χ^2 /NDF: 7.8/9

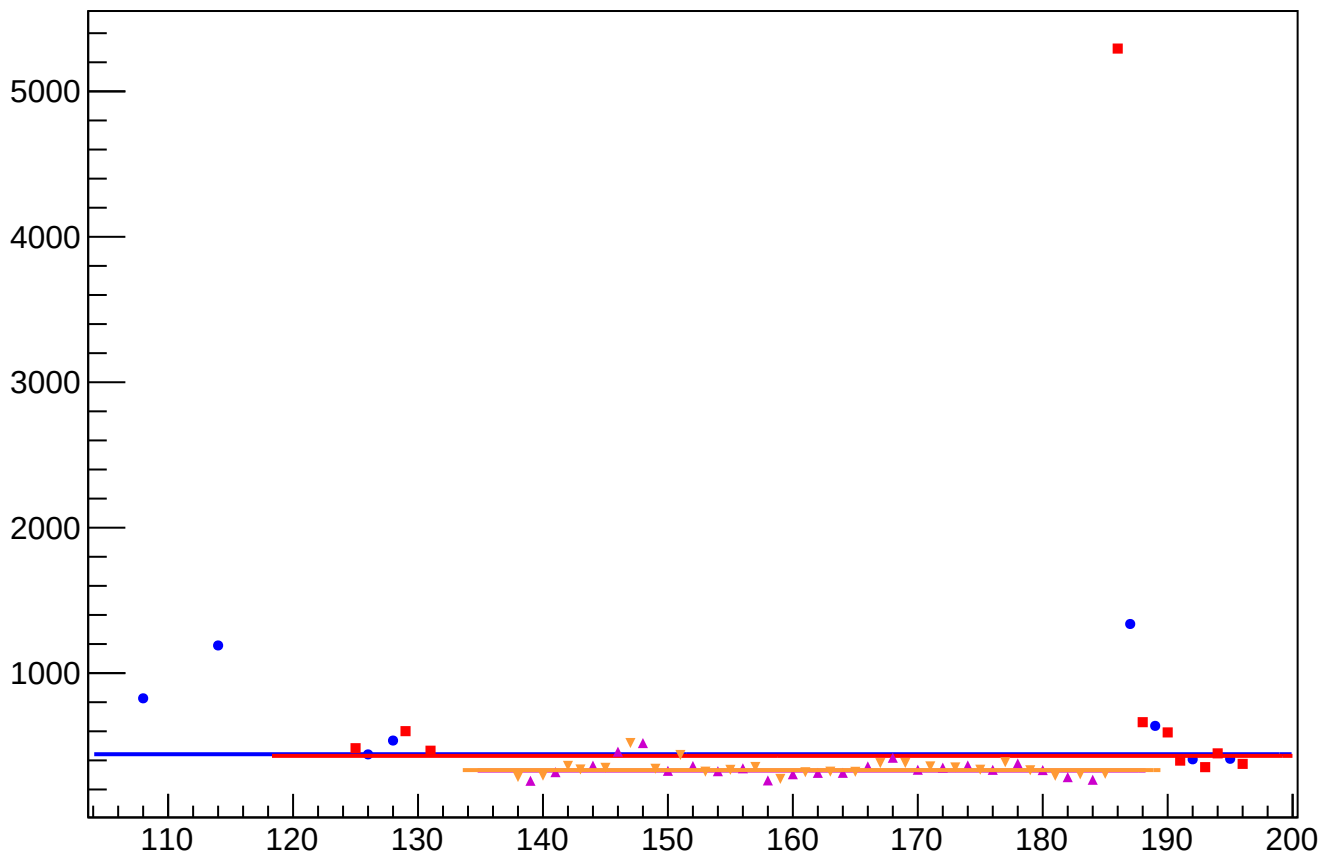
Left In: 64.591 $\pm$ 80.047 χ^2 /NDF: 37.4/22

+ sign -5.982 $\pm$ 75.661 χ^2 /NDF: 26.2/32

All: 8.552 $\pm$ 53.345 χ^2 /NDF: 73.8/65

- sign 22.920 $\pm$ 75.225 χ^2 /NDF: 47.5/32

asym_sam1_correction_rms vs Slug



Right In: 442.399 ± 0.204 χ^2/NDF : 298165.0/7

Left Out: 333.233 ± 0.055 χ^2/NDF : 592122.2/24

Right Out: 431.074 ± 0.156 χ^2/NDF : 1003571.9/9

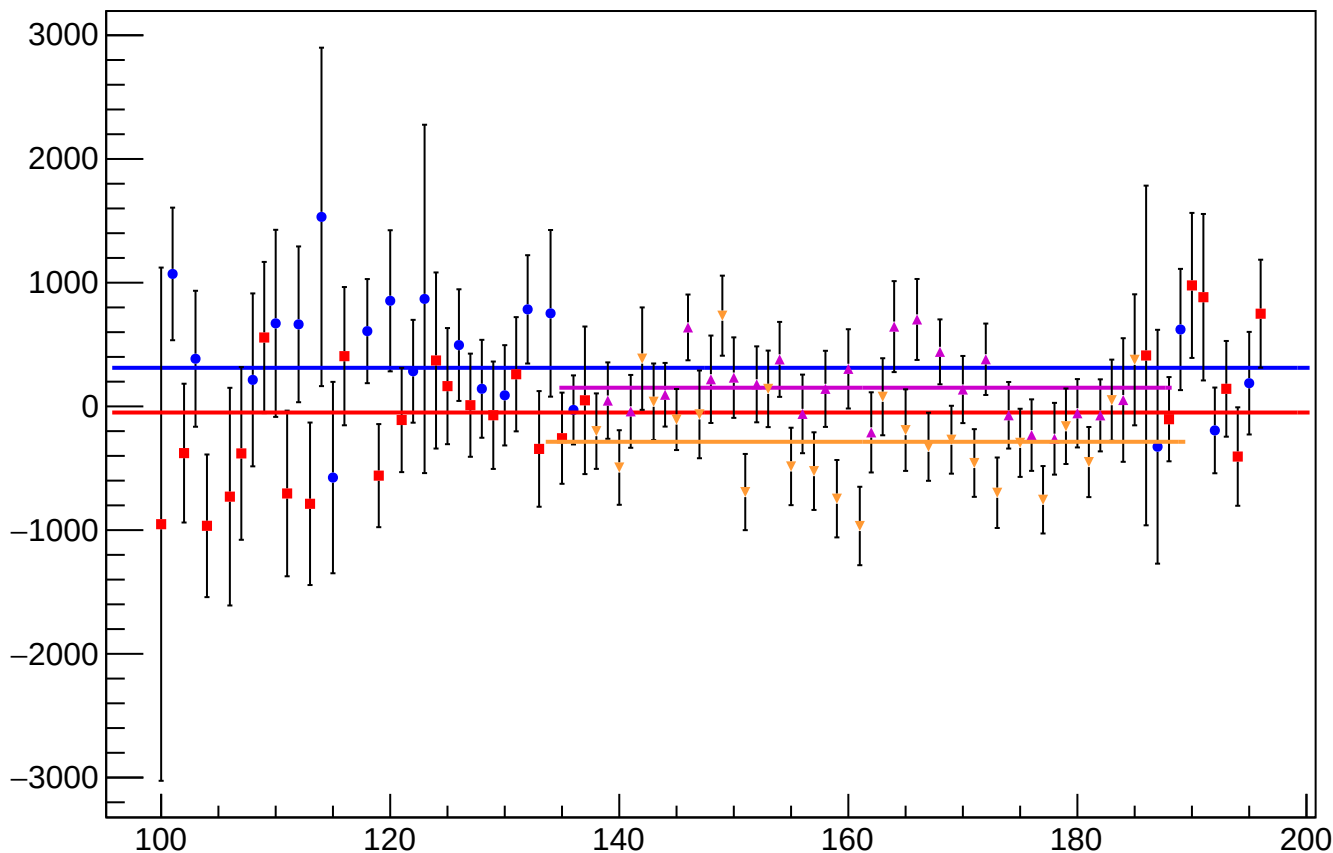
Left In: 329.985 ± 0.057 χ^2/NDF : 795969.0/22

+ sign 340.705 ± 0.054 χ^2/NDF : 1155750.9/32

All: 341.254 ± 0.038 χ^2/NDF : 3328221.5/65

- sign 341.798 ± 0.053 χ^2/NDF : 2172260.7/32

reg_asym_sam2_mean vs Slug



Right In: 311.907 $\pm$ 106.962 χ^2 /NDF: 13.1/20

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: -49.455 $\pm$ 99.438 χ^2 /NDF: 20.6/25

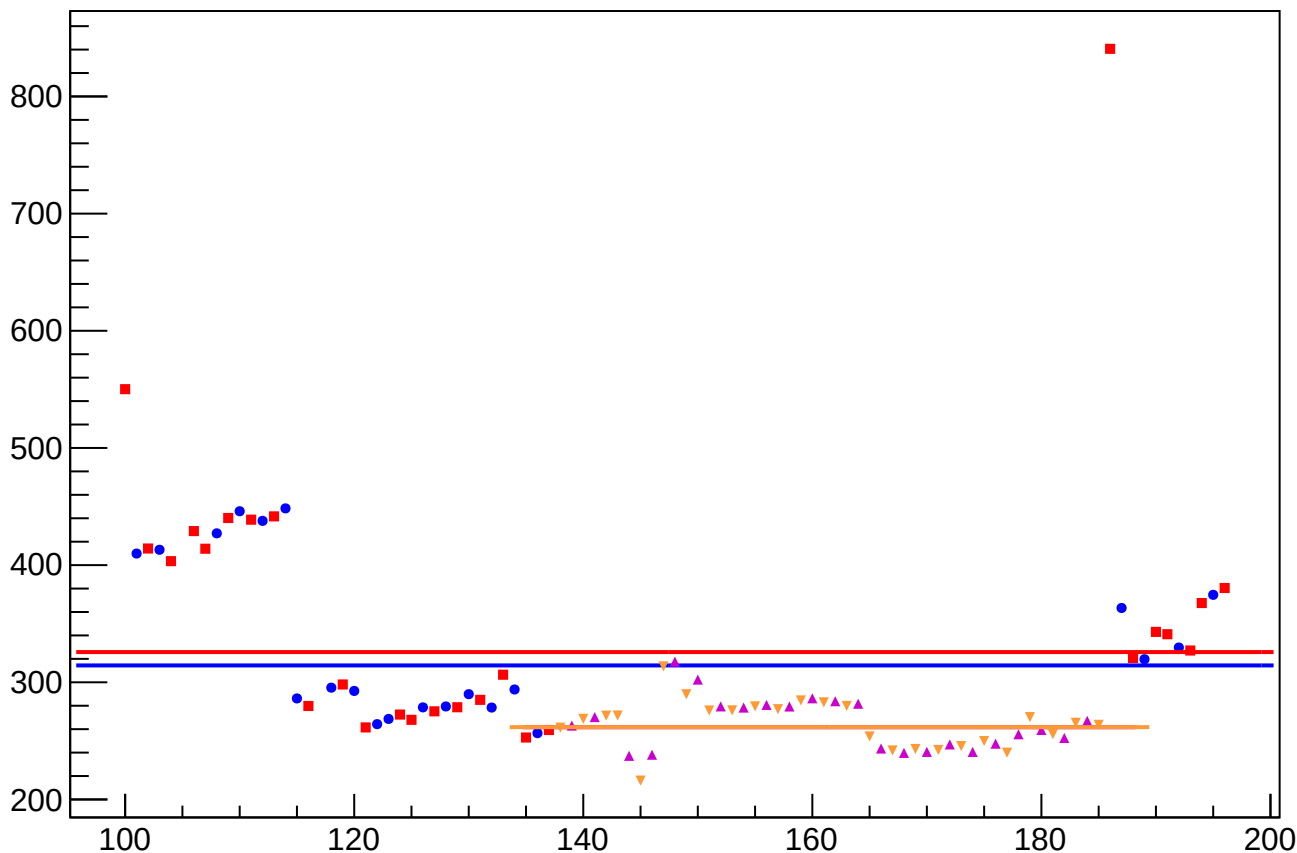
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -138.942 $\pm$ 53.051 χ^2 /NDF: 73.2/45

All: -22.715 $\pm$ 37.533 χ^2 /NDF: 125.0/94

- sign 93.764 $\pm$ 53.108 χ^2 /NDF: 42.2/48

reg_asym_sam2_rms vs Slug



Right In: 314.400+/-0.076 χ^2/NDF : 565857.4/20

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 325.800+/-0.070 χ^2/NDF : 981840.2/25

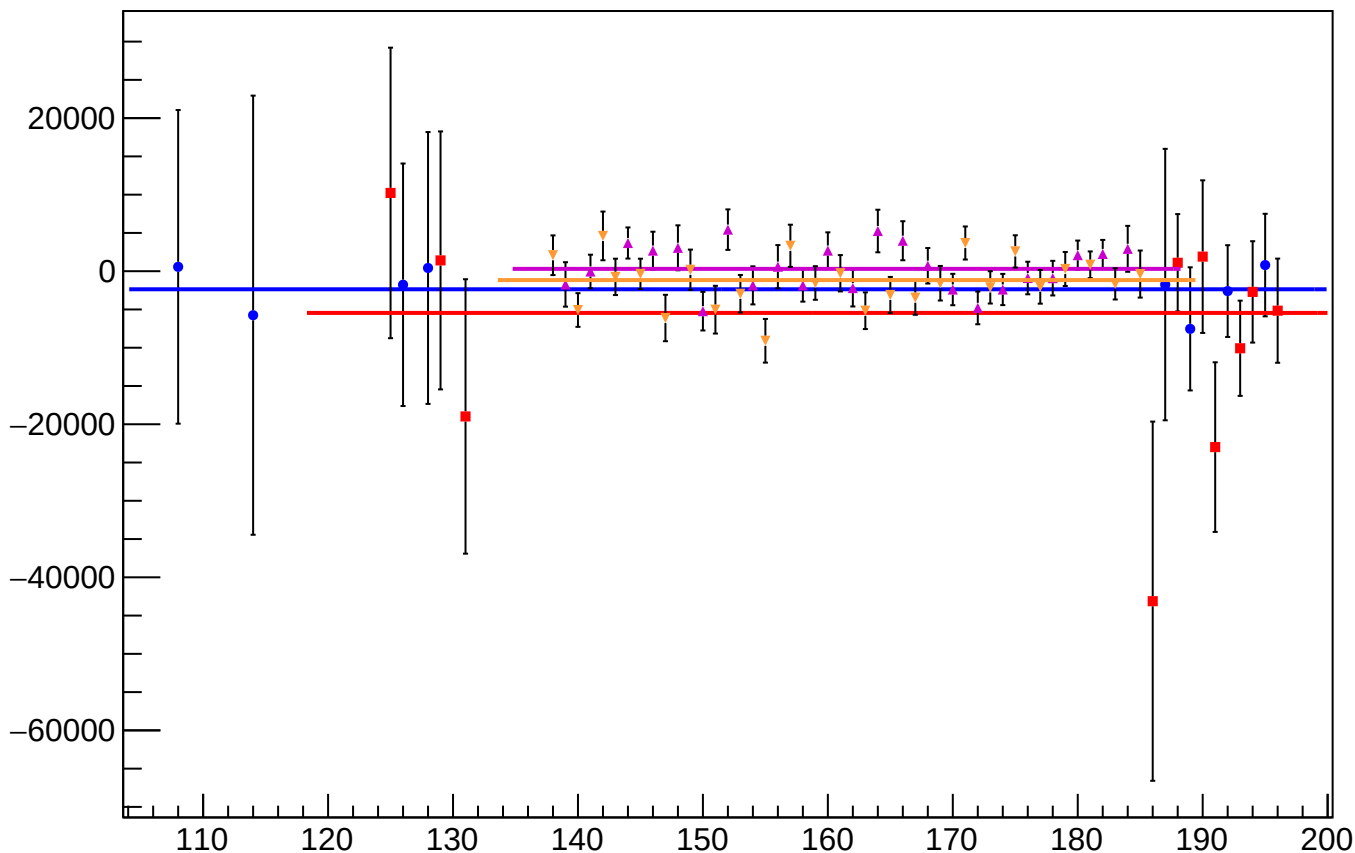
Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

+ sign 274.680+/-0.038 χ^2/NDF : 1164848.7/45

All: 277.307+/-0.027 χ^2/NDF : 2979940.9/94

- sign 279.939+/-0.038 χ^2/NDF : 1805276.5/48

asym_sam2_correction_mean vs Slug



Right In: -2363.581 ± 3547.060 χ^2/NDF : 0.7/7

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -5452.094 ± 2835.785 χ^2/NDF : 8.8/9

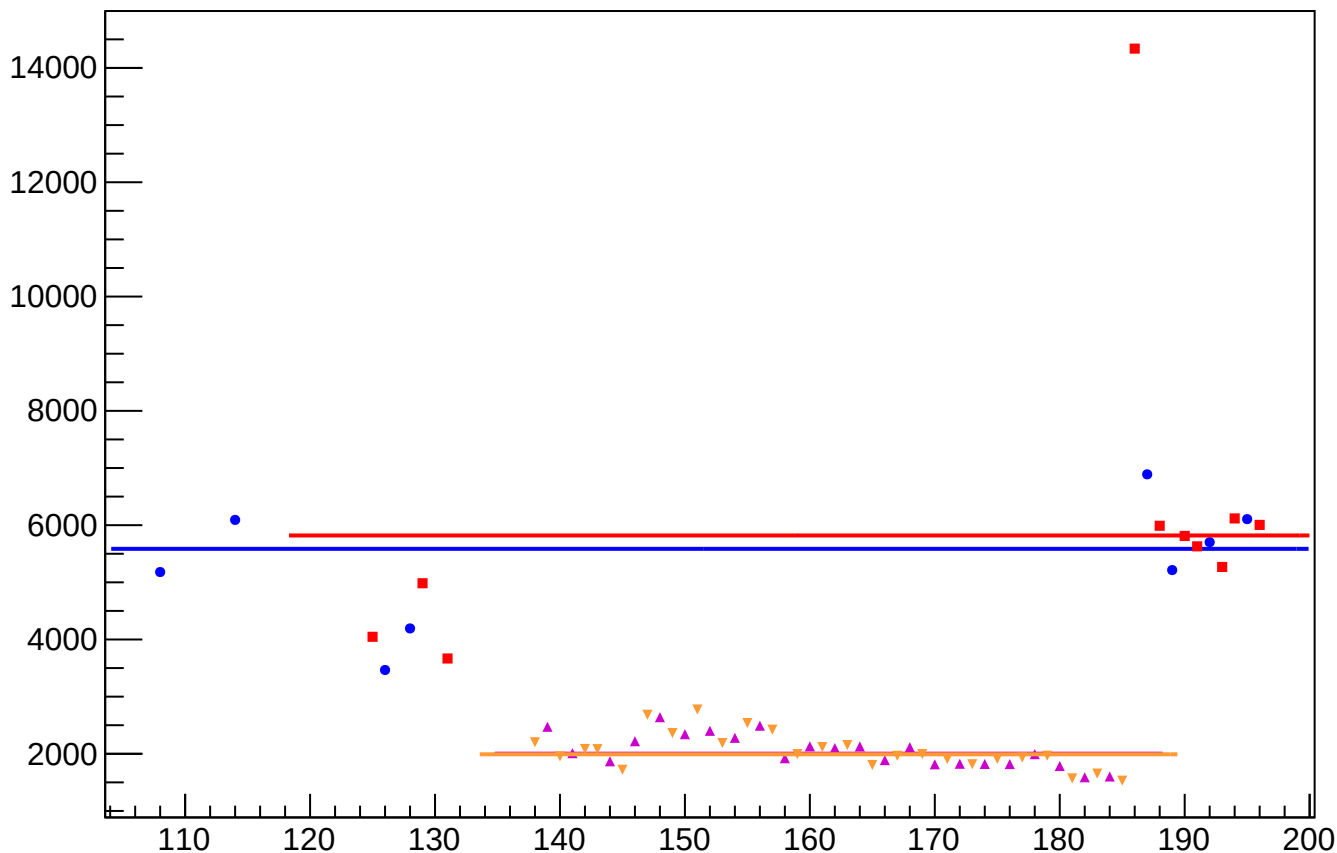
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1182.101 ± 464.989 χ^2/NDF : 39.6/32

All: -536.986 ± 332.924 χ^2/NDF : 91.7/65

- sign 141.570 ± 476.889 χ^2/NDF : 48.2/32

asym_sam2_correction_rms vs Slug



Right In: 5586.059+/-2.508 χ^2/NDF : 77353.7/7

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5820.148+/-2.005 χ^2/NDF : 337934.8/9

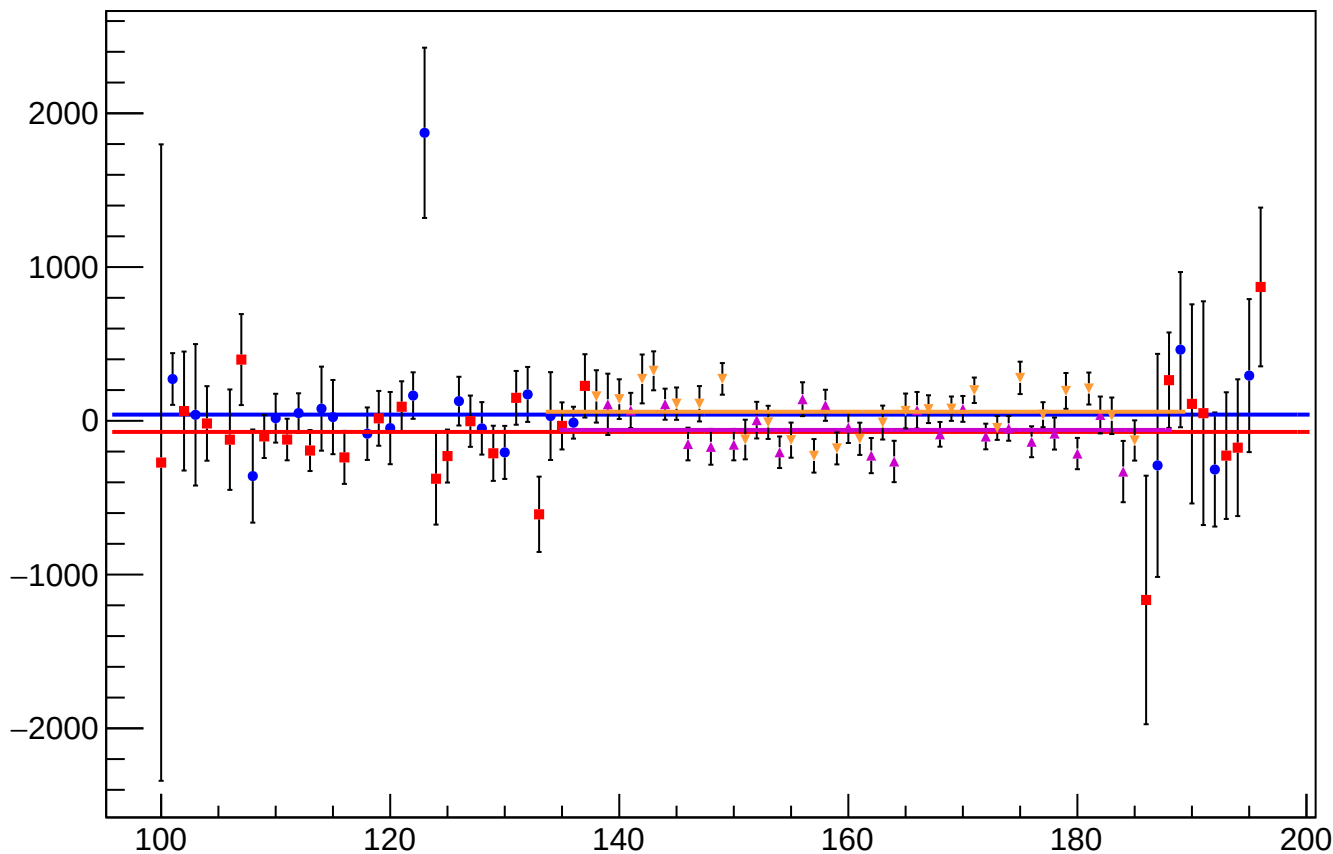
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2052.884+/-0.329 χ^2/NDF : 2822735.0/32

All: 2080.783+/-0.235 χ^2/NDF : 7284246.0/65

- sign 2110.129+/-0.337 χ^2/NDF : 4446737.8/32

reg_asym_sam3_mean vs Slug



Right In: 40.416 ± 42.938 χ^2/NDF : 21.5/20

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -72.223 ± 42.018 χ^2/NDF : 23.7/25

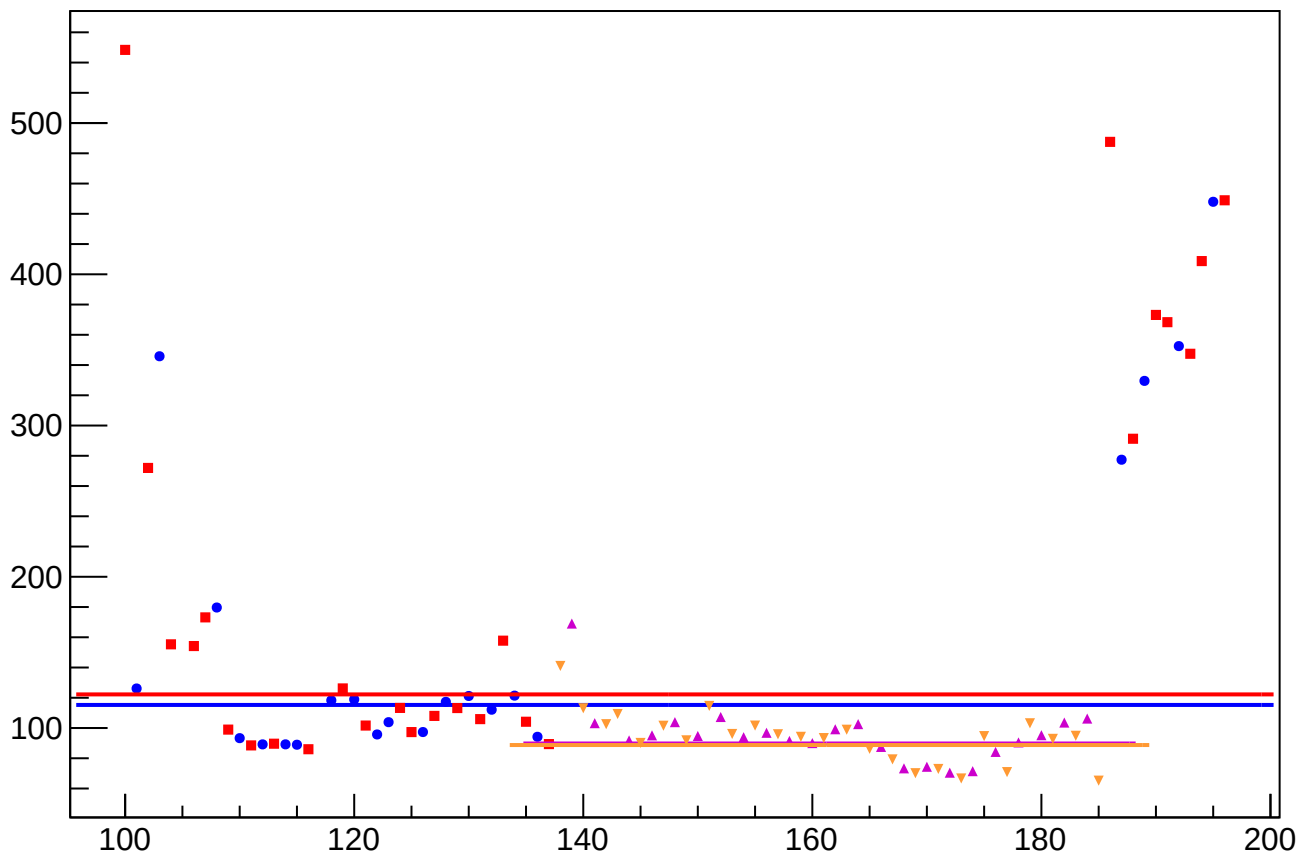
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 55.361 ± 18.964 χ^2/NDF : 68.5/45

All: -1.886 ± 13.573 χ^2/NDF : 140.4/94

- sign -62.013 ± 19.435 χ^2/NDF : 53.2/48

reg_asym_sam3_rms vs Slug



Right In: 115.257 ± 0.030 $\chi^2/\text{NDF}: 3083039.1/20$

Left Out: 88.748 ± 0.015 $\chi^2/\text{NDF}: 1079338.8/24$

Right Out: 122.224 ± 0.030 $\chi^2/\text{NDF}: 4880200.2/25$

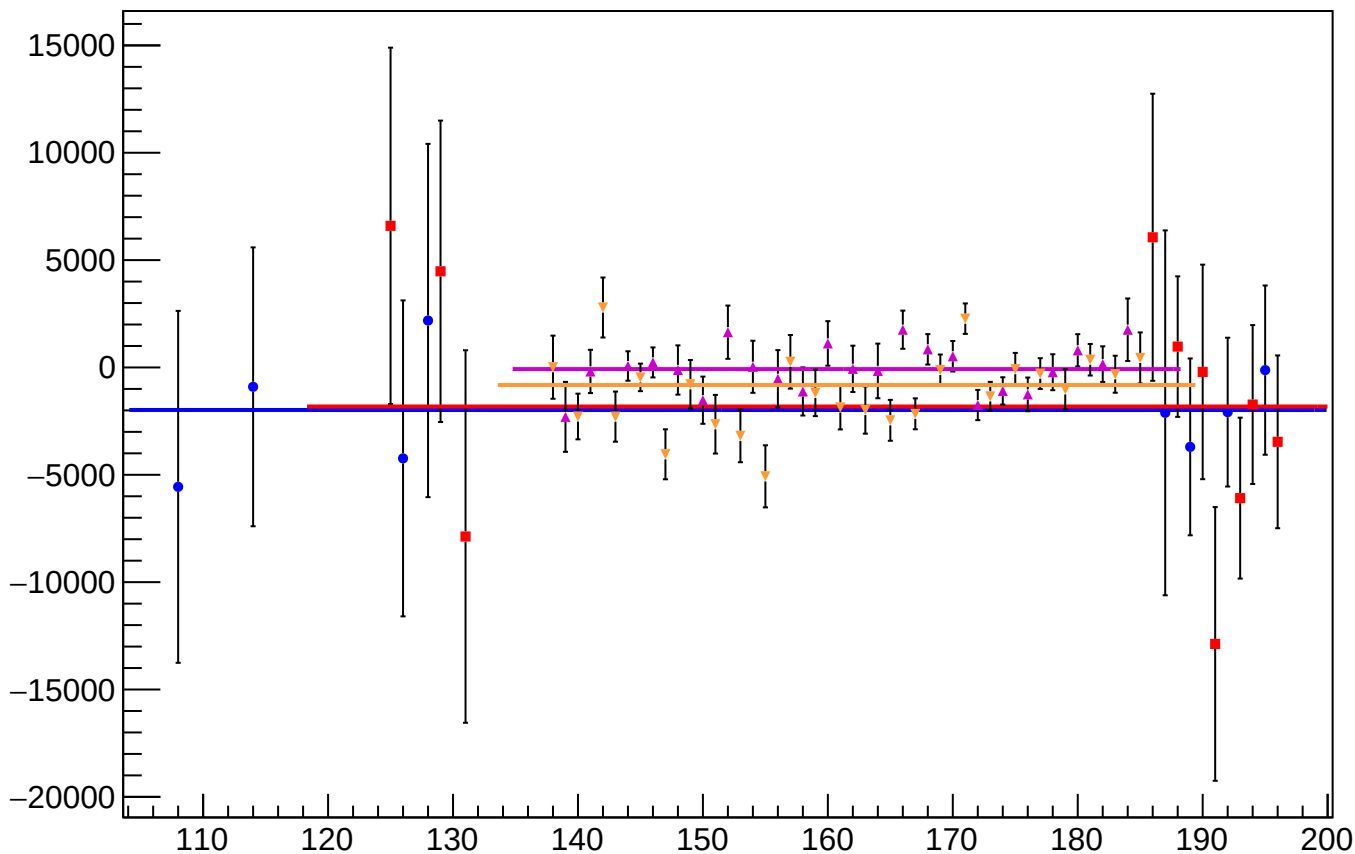
Left In: 89.766 ± 0.016 $\chi^2/\text{NDF}: 885818.0/22$

+ sign 93.919 ± 0.013 $\chi^2/\text{NDF}: 4775982.1/45$

All: 95.280 ± 0.010 $\chi^2/\text{NDF}: 11501248.1/94$

- sign 96.710 ± 0.014 $\chi^2/\text{NDF}: 6704137.3/48$

asym_sam3_correction_mean vs Slug



Right In: -1980.188 ± 1849.681 χ^2/NDF : 1.0/7

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: -1818.968 ± 1517.086 χ^2/NDF : 9.0/9

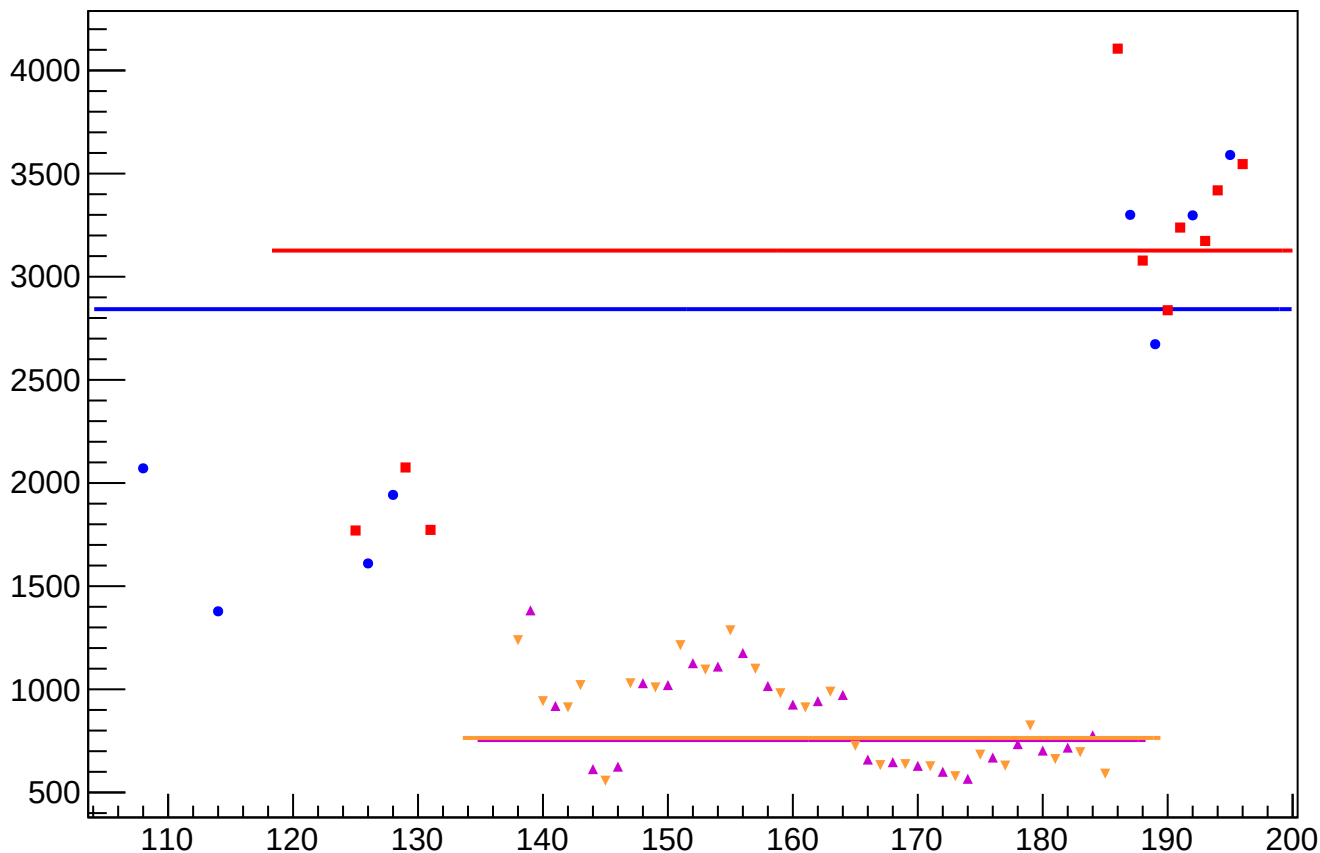
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -830.313 ± 183.553 χ^2/NDF : 69.6/32

All: -469.609 ± 130.389 χ^2/NDF : 116.0/65

- sign -102.191 ± 185.254 χ^2/NDF : 38.6/32

asym_sam3_correction_rms vs Slug



Right In: 2842.860+/-1.308 χ^2 /NDF: 315028.3/7

Left Out: 764.280+/-0.130 χ^2 /NDF:2315985.8/24

Right Out: 3126.904+/-1.073 χ^2 /NDF: 232141.1/9

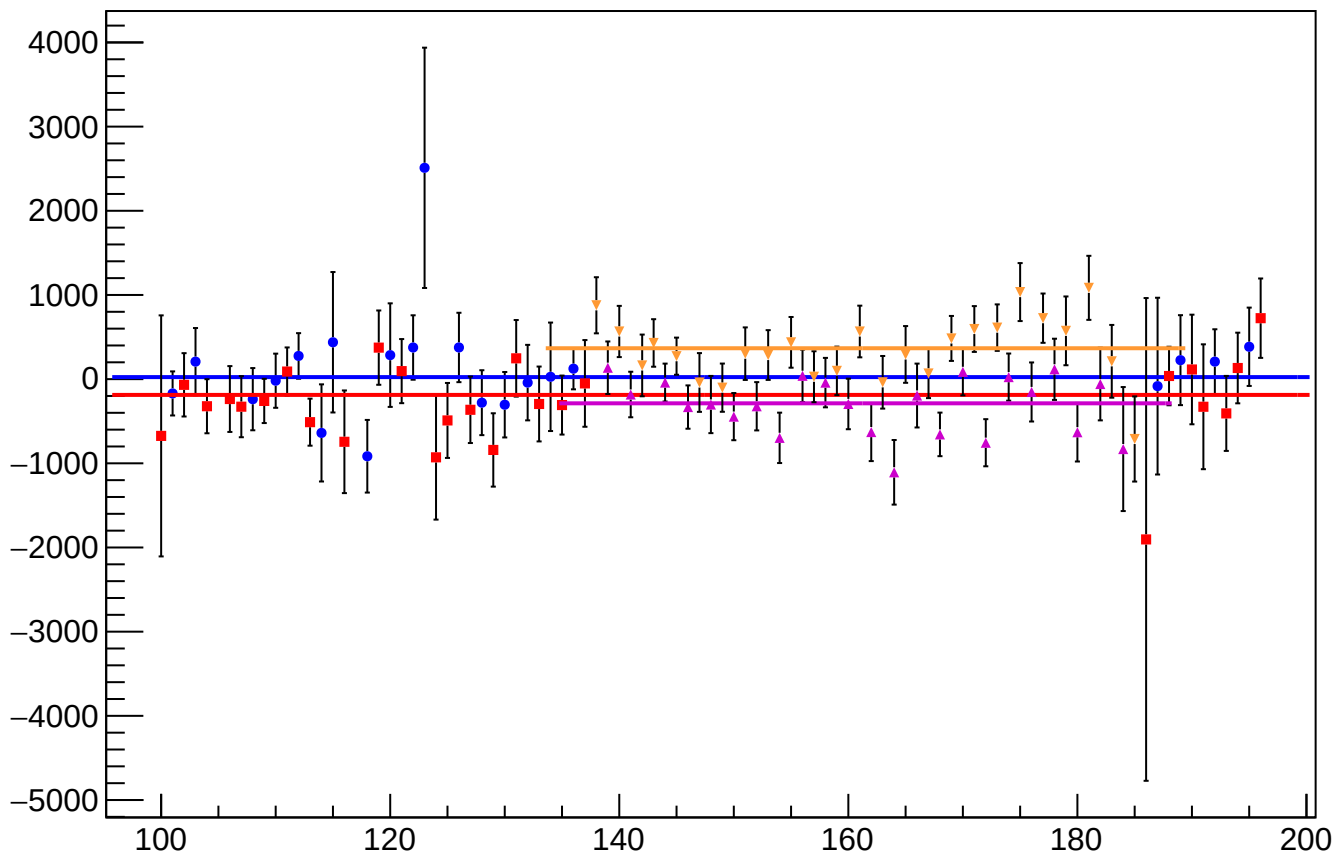
Left In: 754.027+/-0.132 χ^2 /NDF:2013386.7/22

+ sign 784.749+/-0.130 χ^2 /NDF: 5131773.2/32

All: 787.057+/-0.092 χ^2 /NDF: 12197812.7/65

- sign 789.409+/-0.131 χ^2 /NDF: 7065400.7/32

reg_asym_sam4_mean vs Slug



Right In: 24.209 ± 87.613 χ^2/NDF : 15.8/20

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -187.356 ± 80.655 χ^2/NDF : 16.6/25

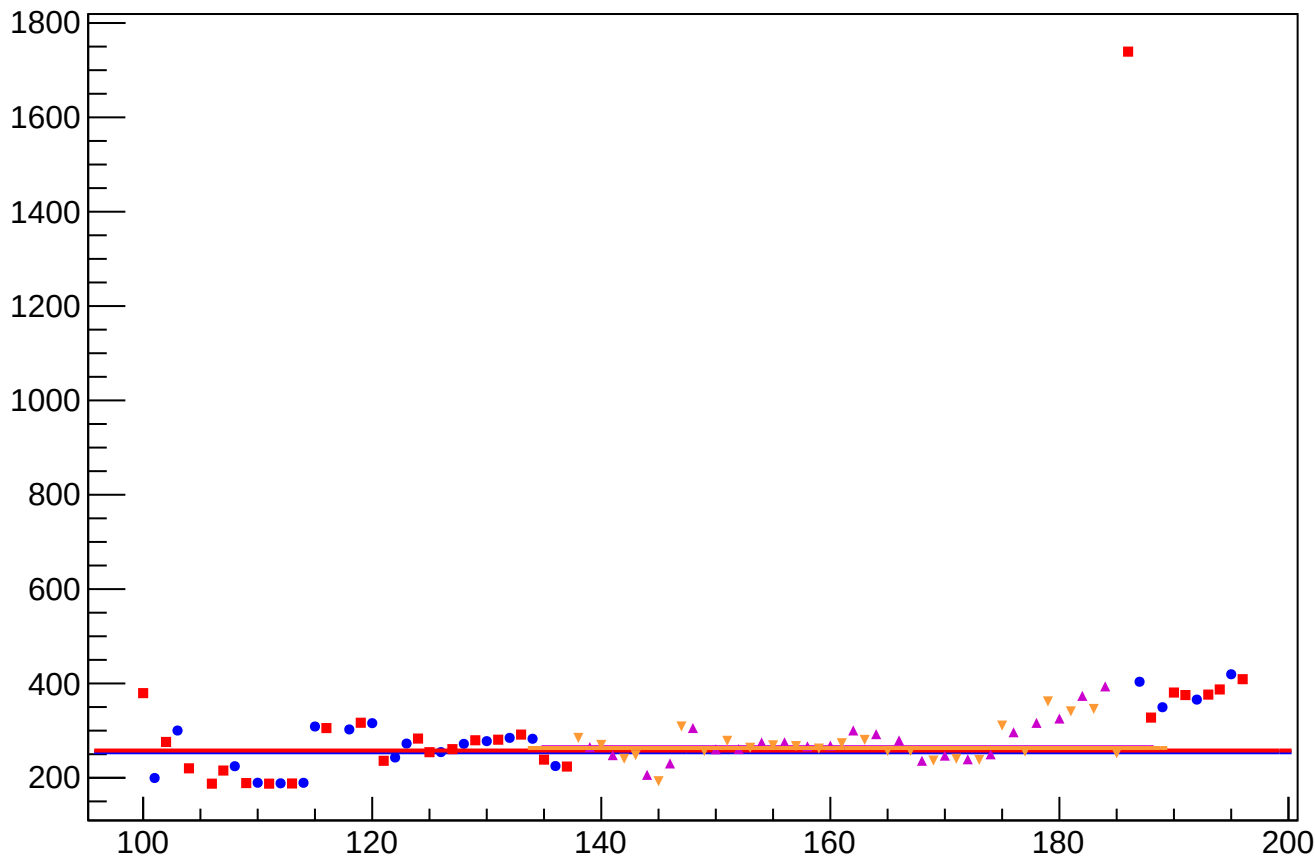
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 252.776 ± 50.579 χ^2/NDF : 54.2/45

All: 0.238 ± 35.631 χ^2/NDF : 145.1/94

- sign -248.548 ± 50.202 χ^2/NDF : 41.4/48

reg_asym_sam4_rms vs Slug



Right In: 254.123+/-0.062 χ^2/NDF : 984664.1/20

Left Out: 263.103+/-0.044 χ^2/NDF : 642226.0/24

Right Out: 257.841+/-0.057 χ^2/NDF : 1888598.2/25

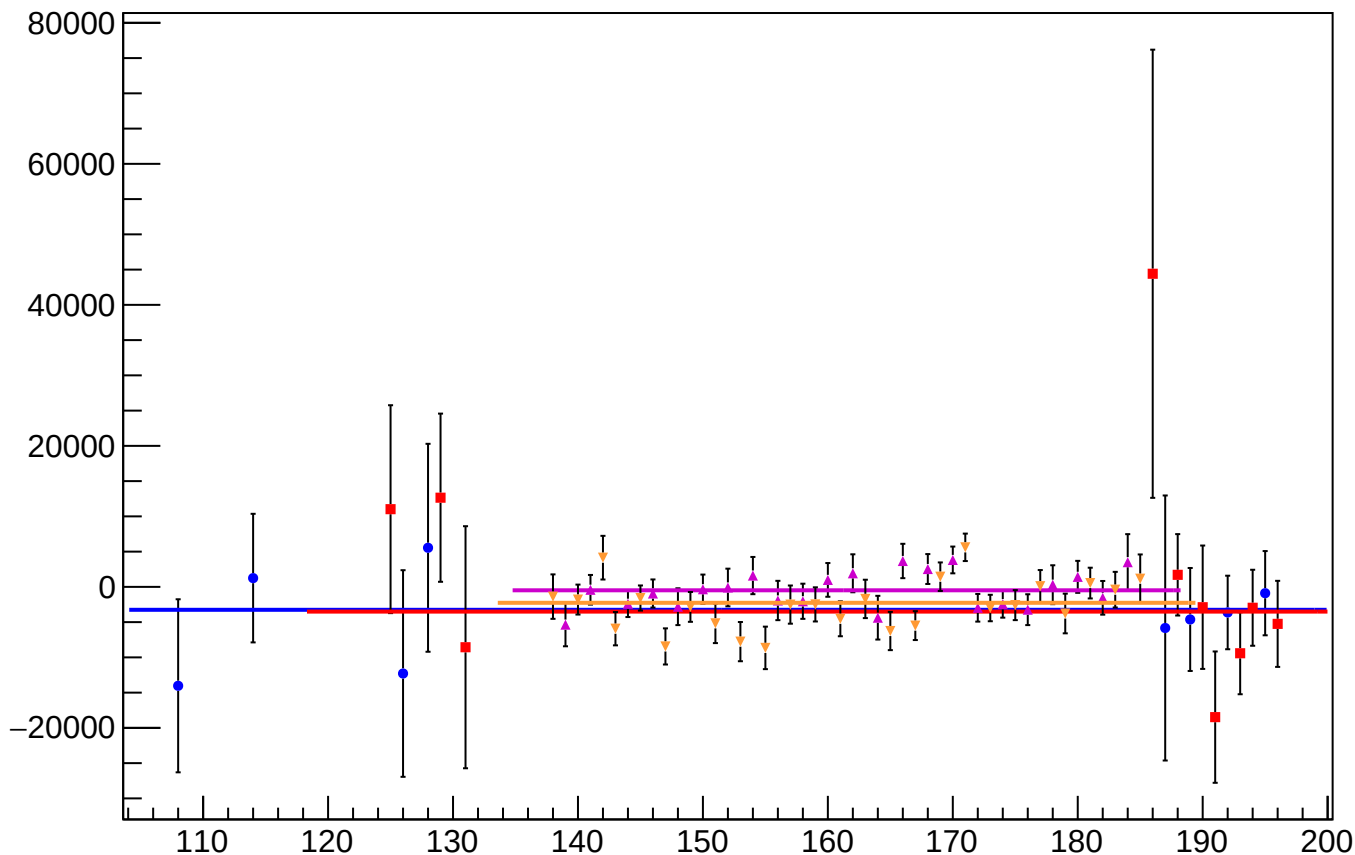
Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

+ sign 260.110+/-0.036 χ^2/NDF : 1640898.1/45

All: 261.153+/-0.025 χ^2/NDF : 4149652.4/94

- sign 262.180+/-0.035 χ^2/NDF : 2507067.7/48

asym_sam4_correction_mean vs Slug



Right In: -3251.955 ± 2958.037 χ^2/NDF : 2.0/7

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -3506.804 ± 2488.534 χ^2/NDF : 9.7/9

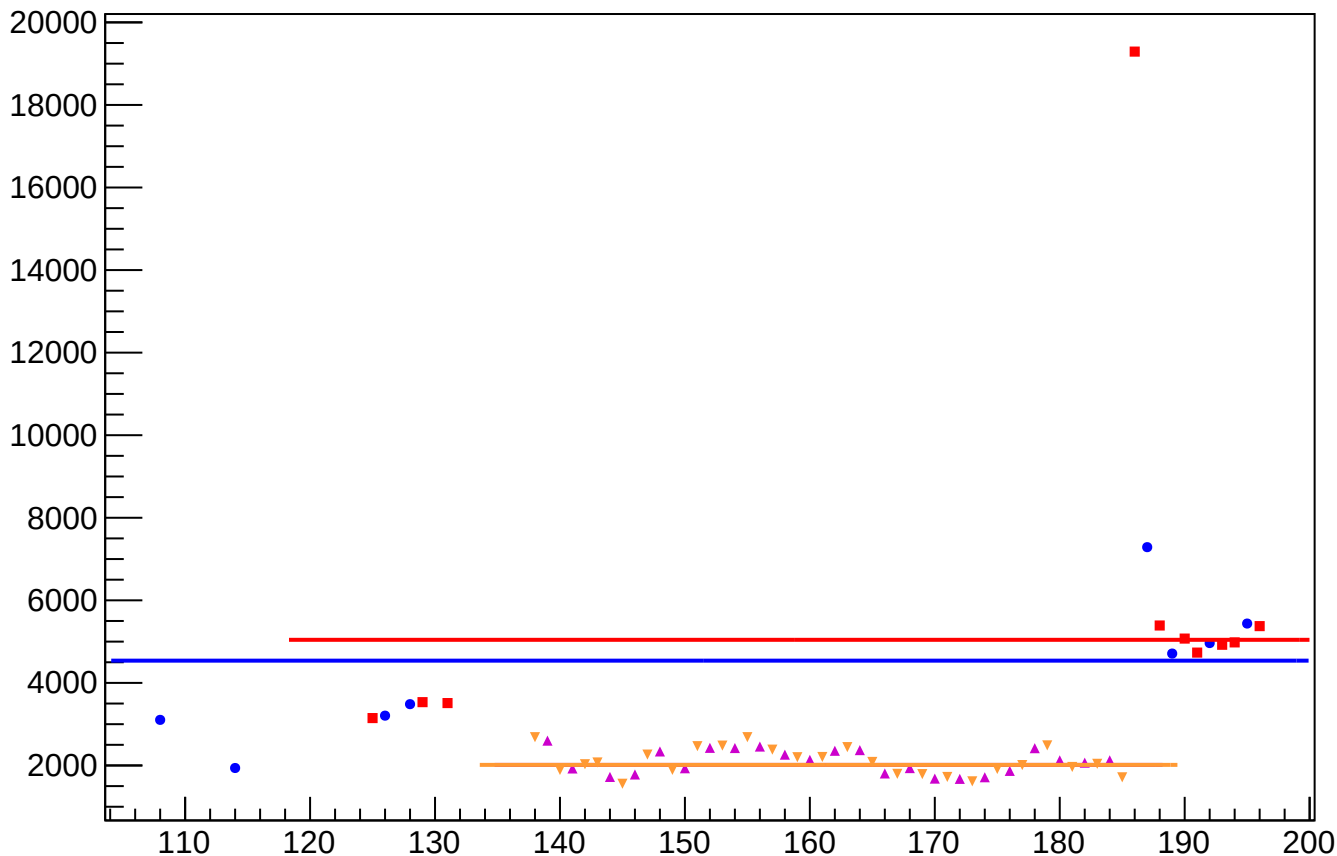
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2285.161 ± 469.315 χ^2/NDF : 54.4/32

All: -1457.331 ± 335.013 χ^2/NDF : 96.6/65

- sign -597.232 ± 478.374 χ^2/NDF : 35.9/32

asym_sam4_correction_rms vs Slug



Right In: 4538.977 $\pm$ 2.092 χ^2/NDF : 319217.5/7

Left Out: 2014.106 $\pm$ 0.336 χ^2/NDF : 835656.9/24

Right Out: 5043.562 $\pm$ 1.760 χ^2/NDF : 499480.6/9

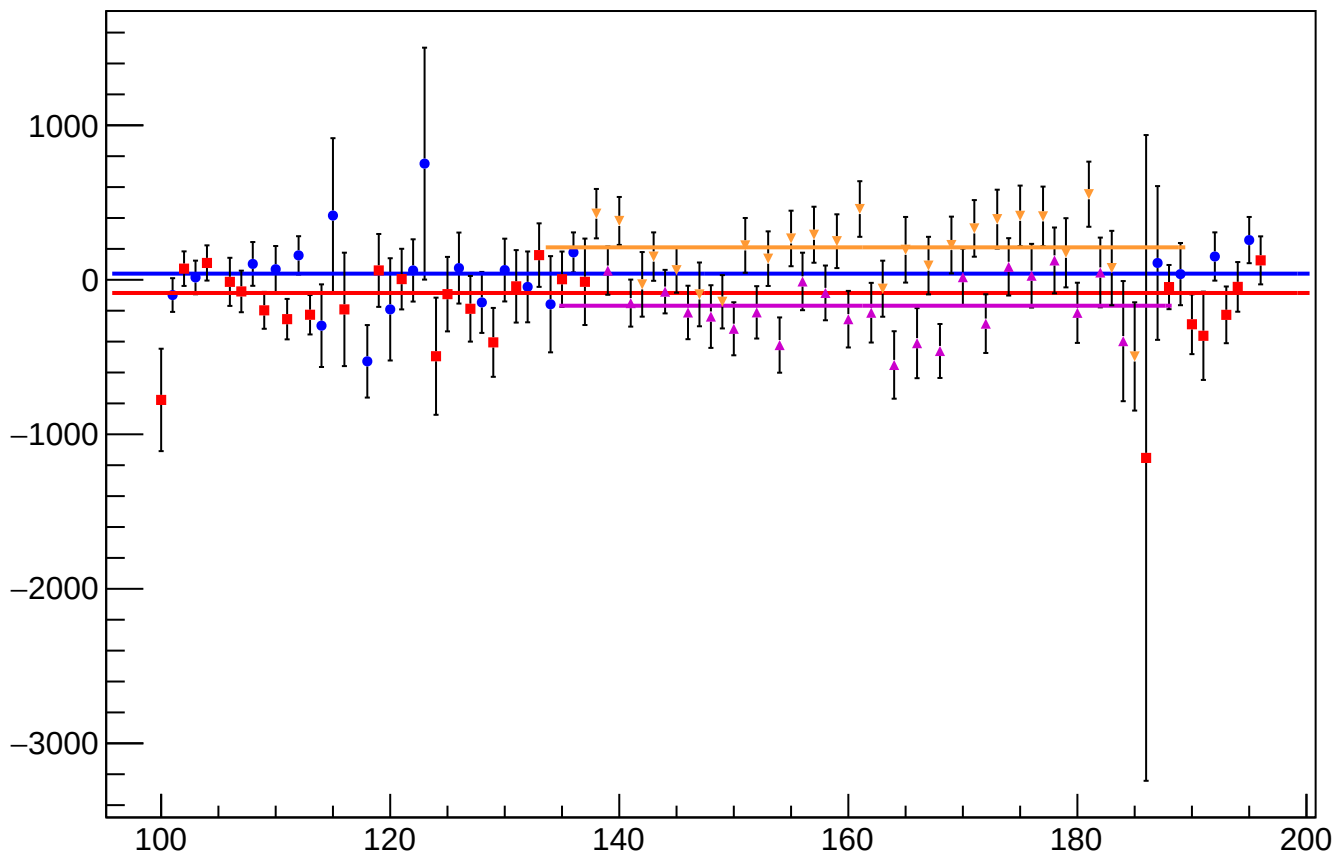
Left In: 2013.245 $\pm$ 0.345 χ^2/NDF : 662077.8/22

+ sign 2077.662 $\pm$ 0.332 χ^2/NDF : 2575334.9/32

All: 2100.989 $\pm$ 0.237 χ^2/NDF : 6603022.1/65

- sign 2125.224 $\pm$ 0.338 χ^2/NDF : 4017613.1/32

reg_asym_sam5_mean vs Slug



Right In: 39.813 ± 38.588 $\chi^2/\text{NDF}: 17.4/20$

Left Out: 210.086 ± 37.093 $\chi^2/\text{NDF}: 27.5/24$

Right Out: -85.344 ± 34.216 $\chi^2/\text{NDF}: 24.0/25$

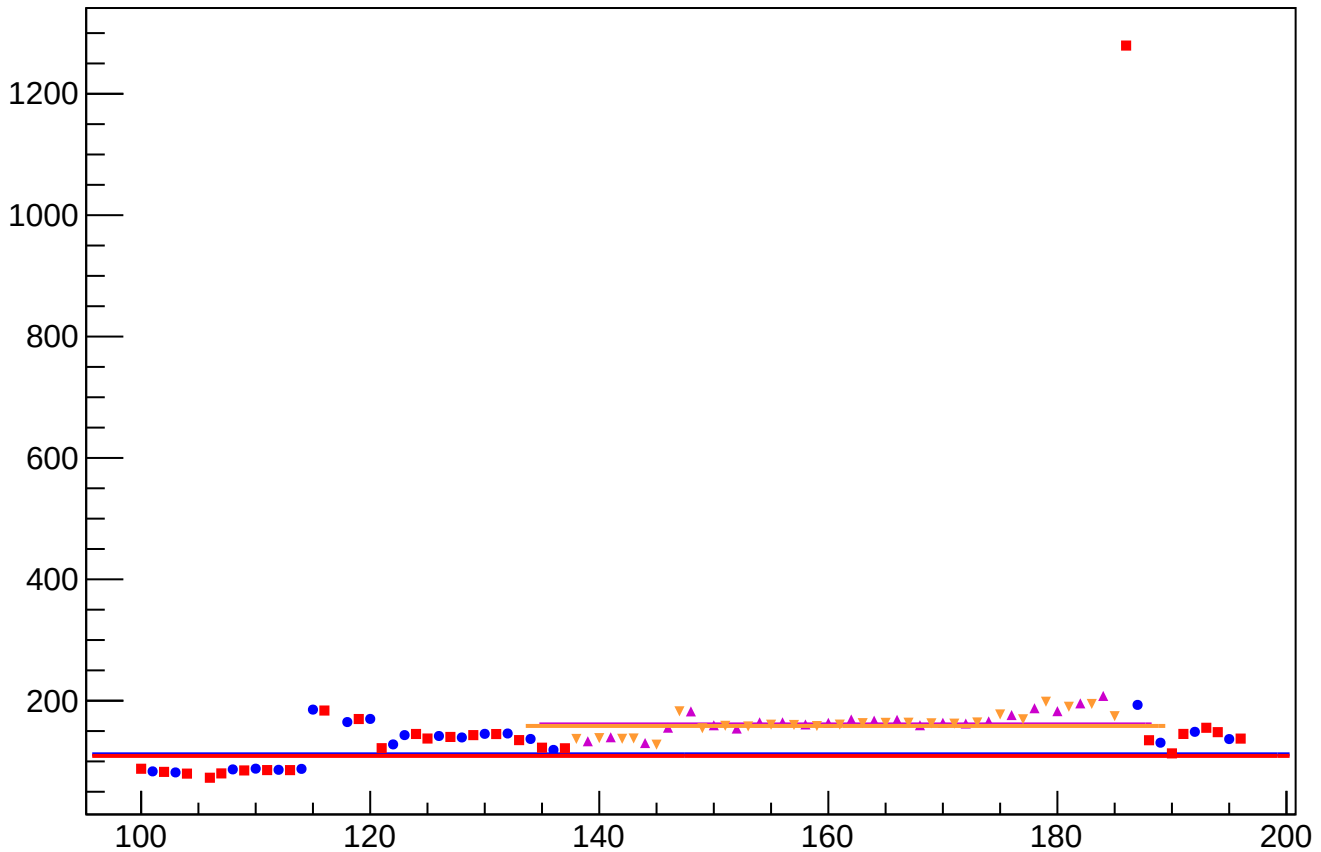
Left In: -167.822 ± 38.718 $\chi^2/\text{NDF}: 21.1/22$

+ sign 128.310 ± 26.742 $\chi^2/\text{NDF}: 55.1/45$

All: -1.858 ± 18.507 $\chi^2/\text{NDF}: 148.3/94$

- sign -121.511 ± 25.639 $\chi^2/\text{NDF}: 47.7/48$

reg_asym_sam5_rms vs Slug



Right In: 111.655 $\pm$ 0.027 χ^2 /NDF: 1153989.0/20

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 109.075 $\pm$ 0.024 χ^2 /NDF: 2155013.9/25

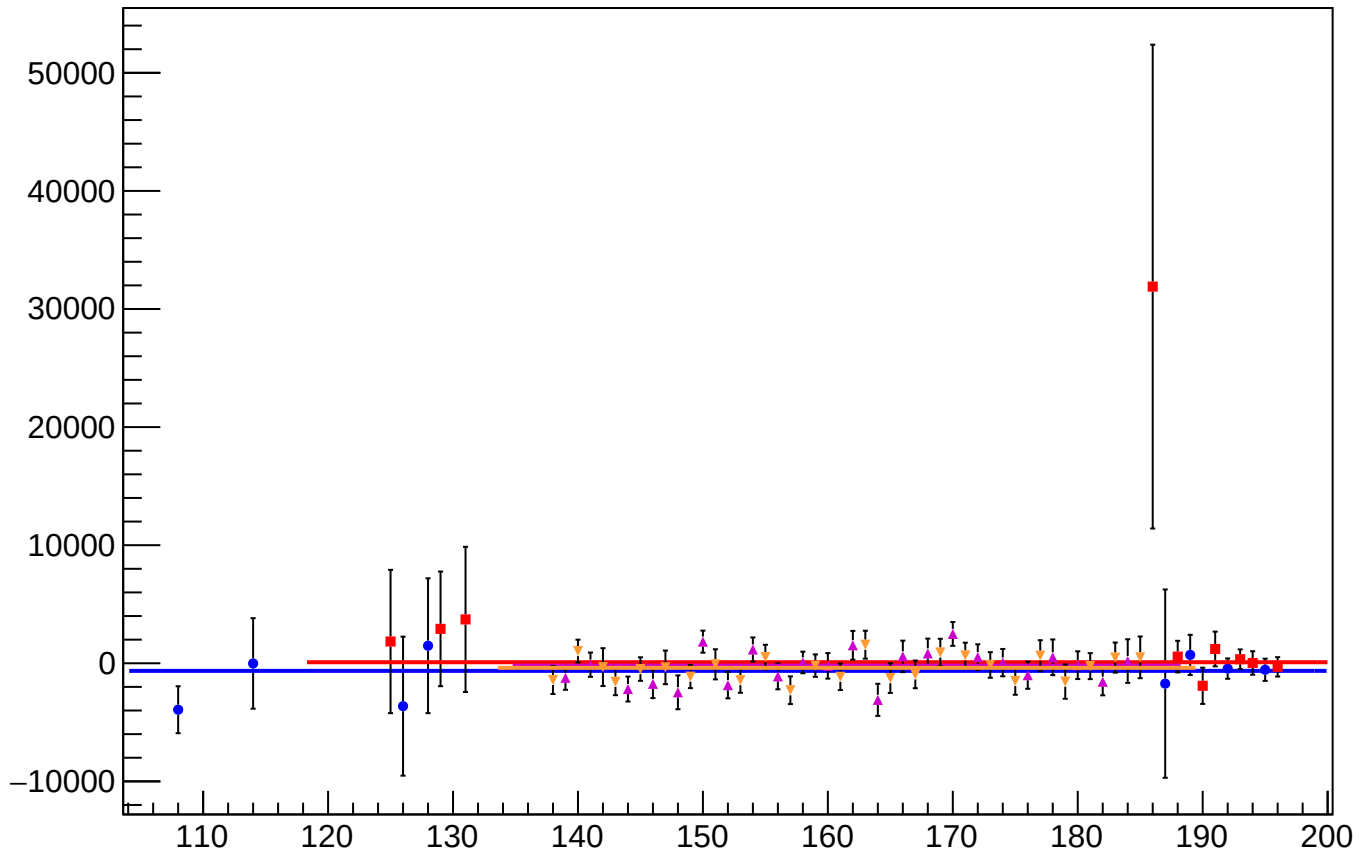
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.971 $\pm$ 0.019 χ^2 /NDF: 3116304.1/45

All: 133.809 $\pm$ 0.013 χ^2 /NDF: 7691838.2/94

- sign 131.821 $\pm$ 0.018 χ^2 /NDF: 4550436.2/48

asym_sam5_correction_mean vs Slug



Right In: -642.870 ± 557.050 χ^2/NDF : 3.9/7

Left Out: -385.018 ± 231.833 χ^2/NDF : 18.1/24

Right Out: 88.435 ± 426.657 χ^2/NDF : 5.9/9

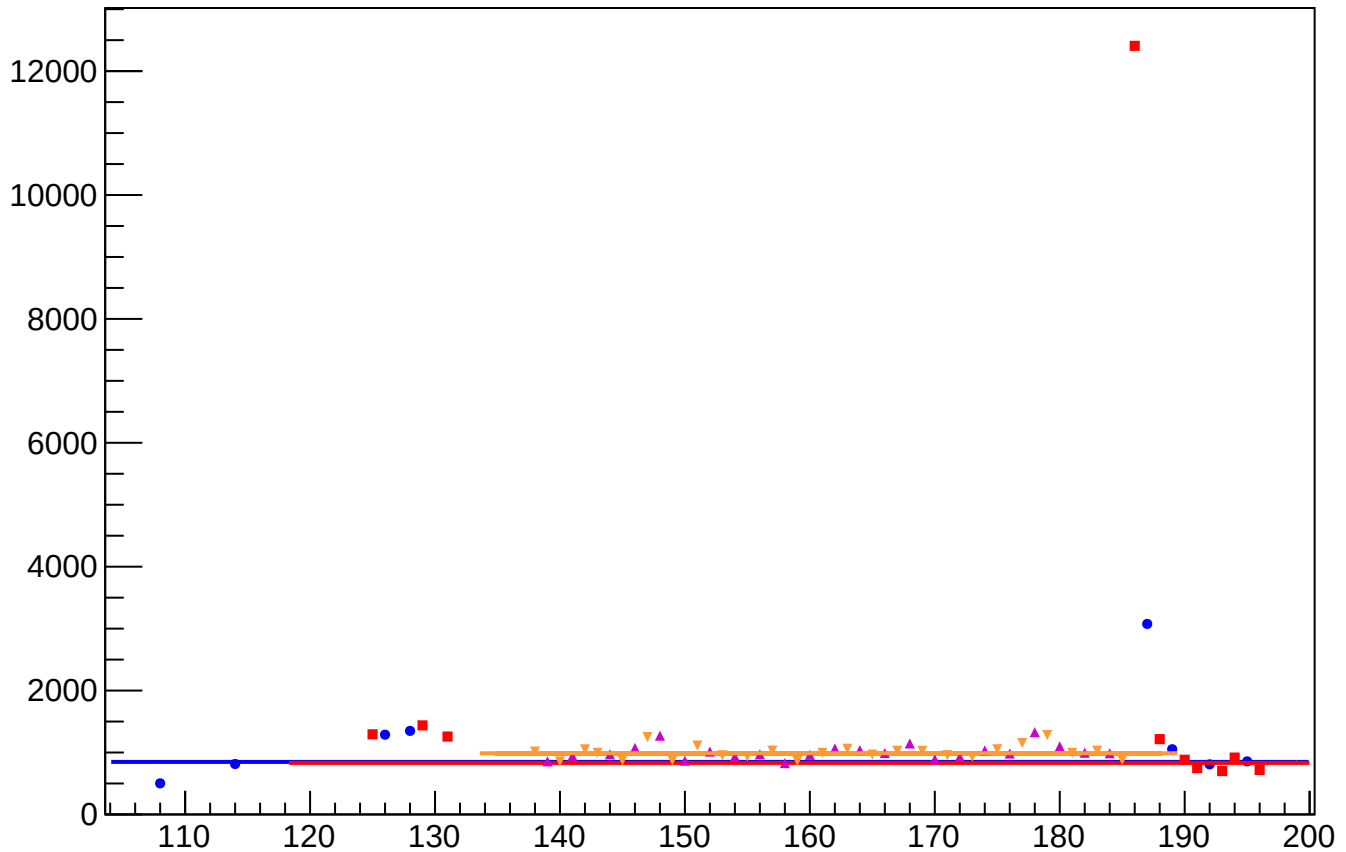
Left In: -202.234 ± 237.460 χ^2/NDF : 35.5/22

+ sign -423.086 ± 214.037 χ^2/NDF : 22.1/32

All: -273.791 ± 148.978 χ^2/NDF : 64.8/65

- sign -133.491 ± 207.489 χ^2/NDF : 41.7/32

asym_sam5_correction_rms vs Slug



Right In: 848.399 $\pm$ 0.394 χ^2 /NDF: 276758.8/7

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 832.265 $\pm$ 0.302 χ^2 /NDF: 968095.5/9

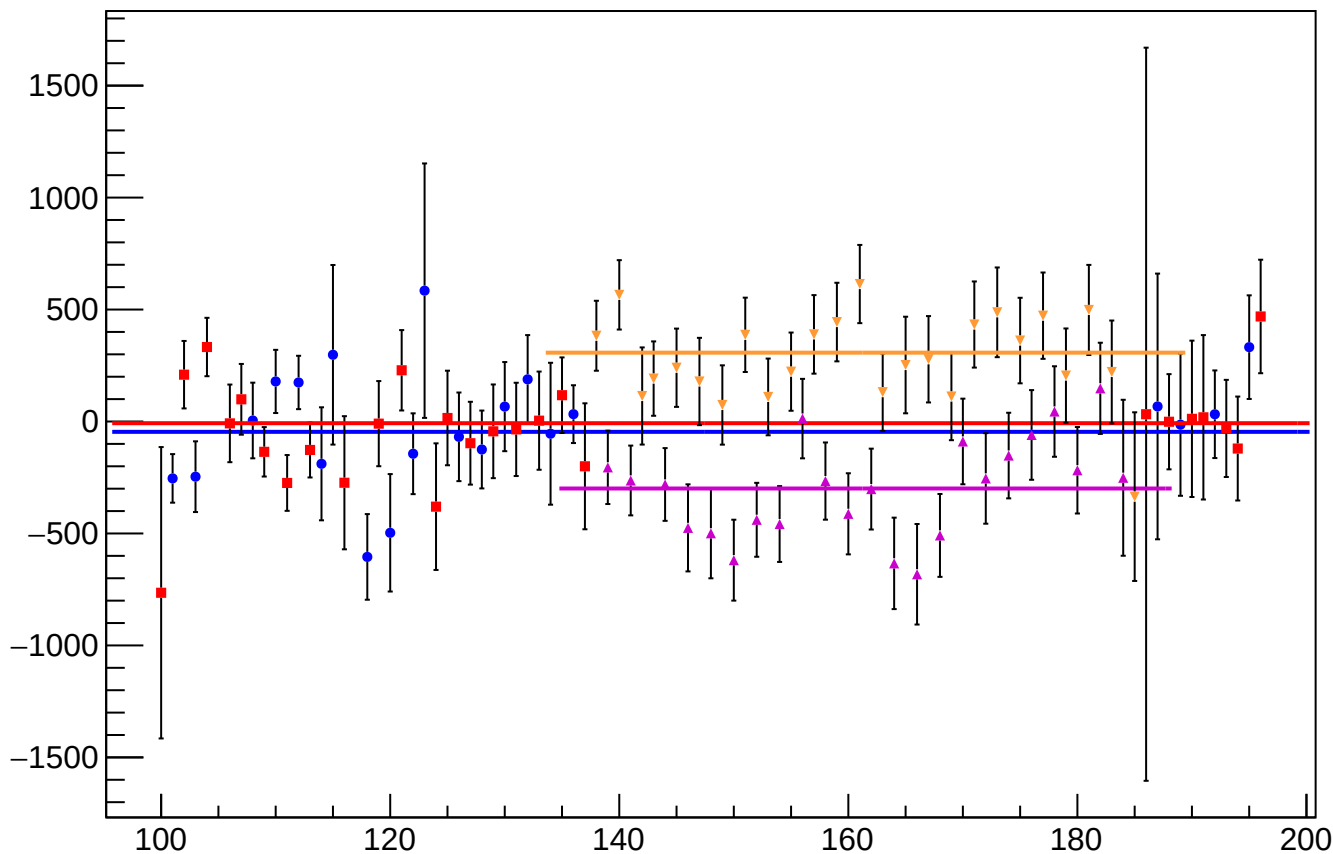
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 967.278 $\pm$ 0.151 χ^2 /NDF: 760580.6/32

All: 957.357 $\pm$ 0.105 χ^2 /NDF: 2346138.0/65

- sign 948.033 $\pm$ 0.147 χ^2 /NDF: 1577221.5/32

reg_asym_sam6_mean vs Slug



Right In: -46.139 ± 40.308 $\chi^2/\text{NDF}: 30.6/20$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: -7.523 ± 36.926 $\chi^2/\text{NDF}: 26.9/25$

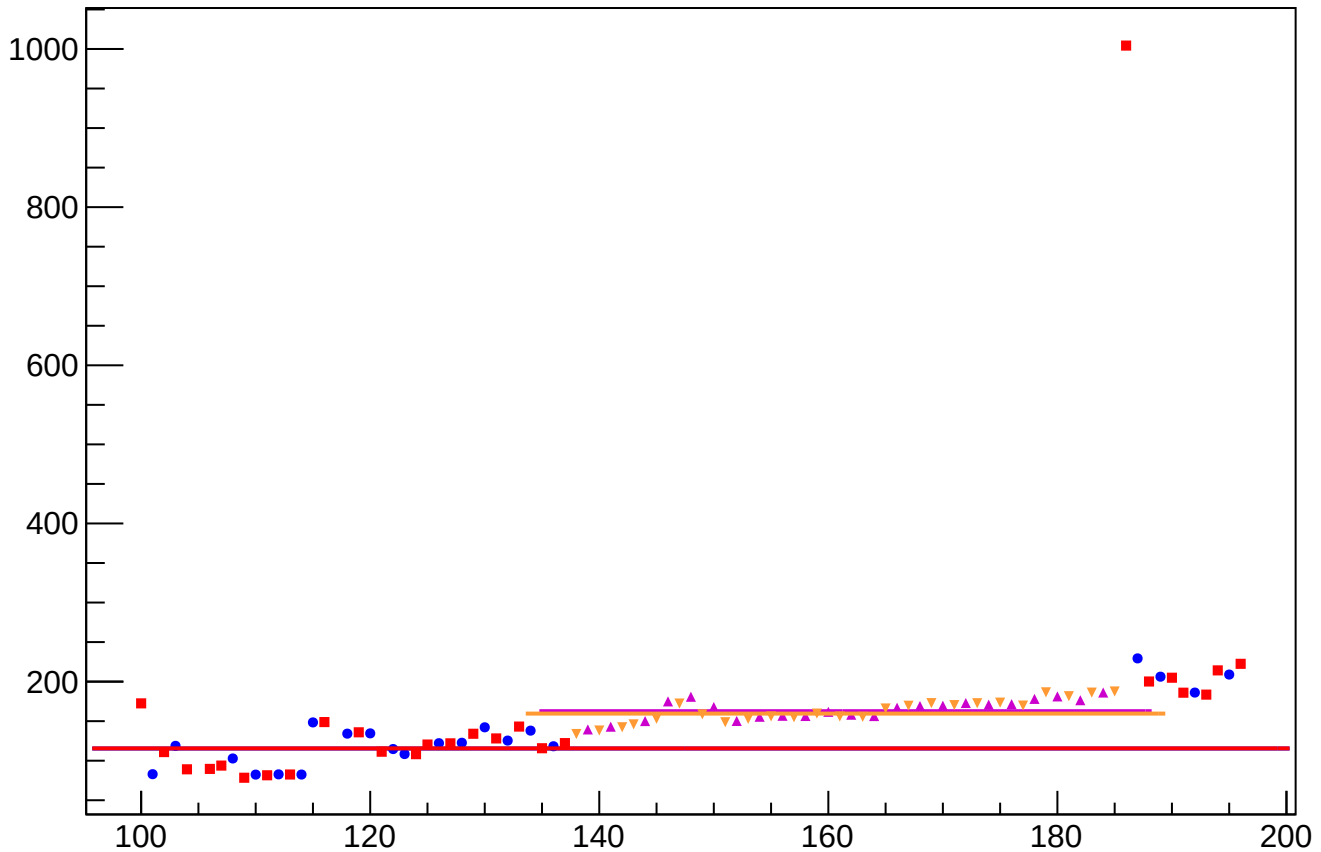
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 144.466 ± 27.368 $\chi^2/\text{NDF}: 92.8/45$

All: -3.396 ± 19.154 $\chi^2/\text{NDF}: 235.0/94$

- sign -145.363 ± 26.817 $\chi^2/\text{NDF}: 85.0/48$

reg_asym_sam6_rms vs Slug



Right In: 115.373+/-0.029 χ^2/NDF : 1412608.7/20

Left Out: 159.568+/-0.026 χ^2/NDF : 287744.2/24

Right Out: 115.576+/-0.026 χ^2/NDF : 2835613.2/25

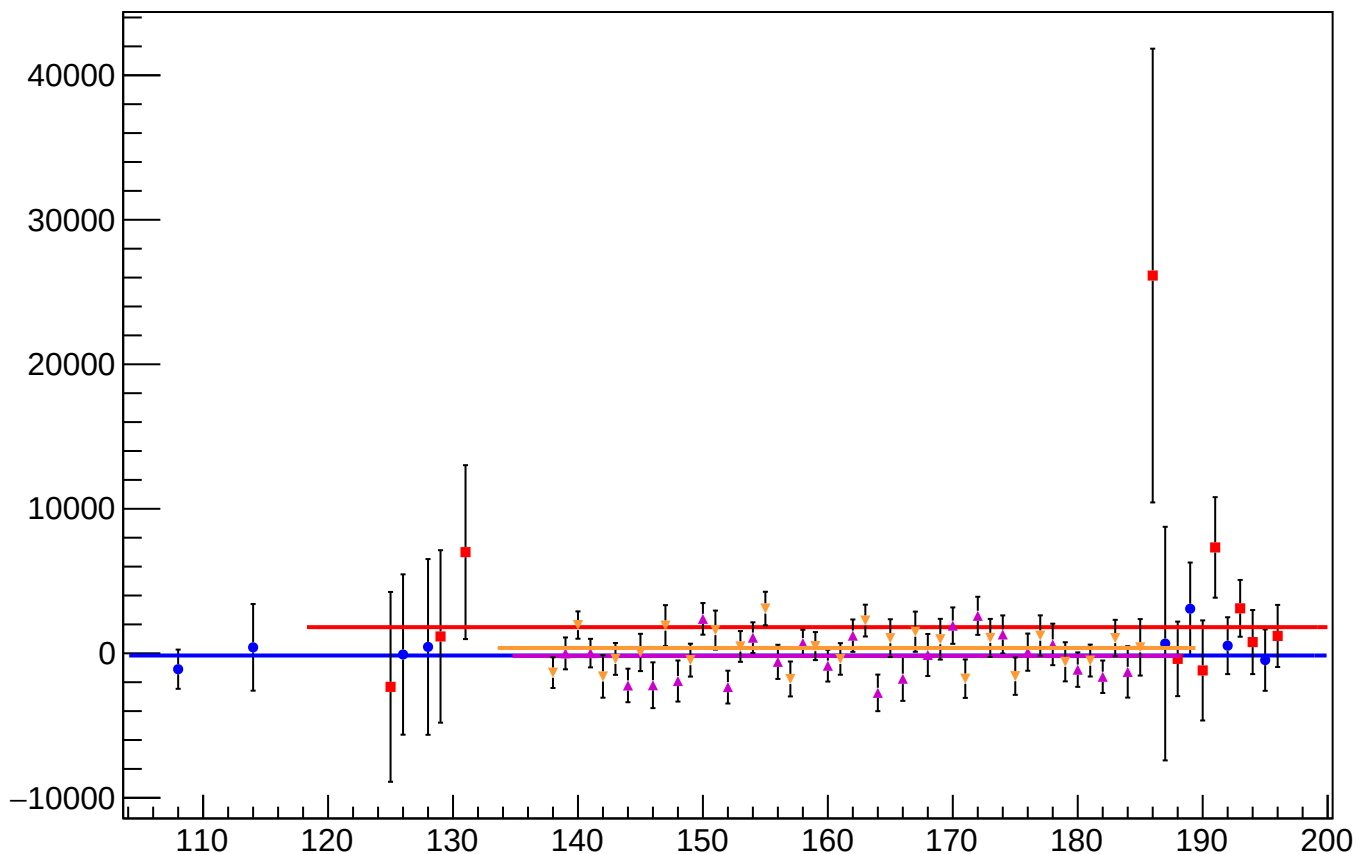
Left In: 162.606+/-0.028 χ^2/NDF : 199542.3/22

+ sign 139.195+/-0.019 χ^2/NDF : 2996280.4/45

All: 138.484+/-0.014 χ^2/NDF : 7567287.3/94

- sign 137.802+/-0.019 χ^2/NDF : 4568365.9/48

asym_sam6_correction_mean vs Slug



Right In: -151.726 ± 874.653 χ^2/NDF : 1.7/7

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: 1809.876 ± 963.141 χ^2/NDF : 8.3/9

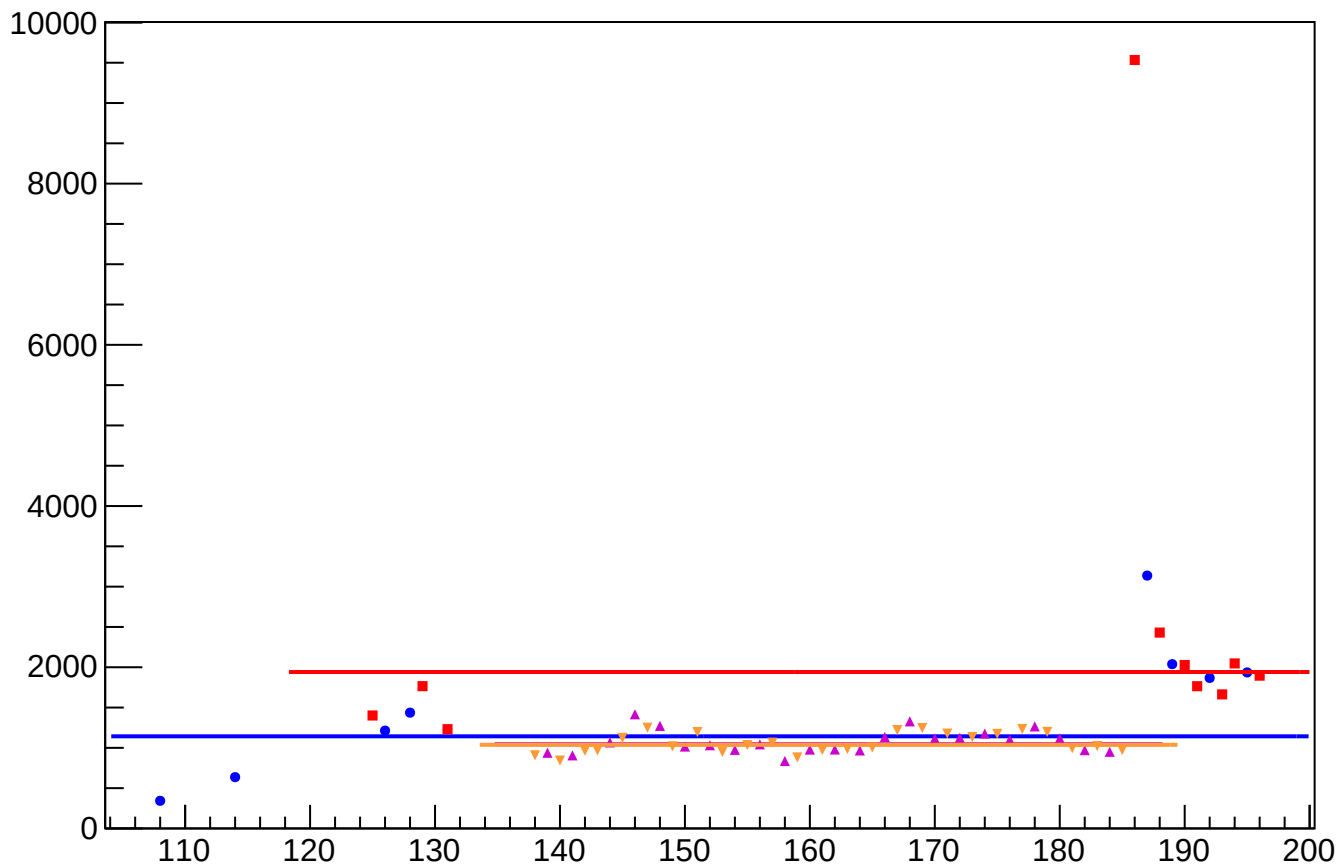
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 332.467 ± 234.598 χ^2/NDF : 32.5/32

All: 146.283 ± 169.121 χ^2/NDF : 82.6/65

- sign -55.169 ± 244.027 χ^2/NDF : 48.8/32

asym_sam6_correction_rms vs Slug



Right In: 1143.103+/-0.618 χ^2/NDF : 1585789.0/7

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1940.911+/-0.681 χ^2/NDF : 634428.8/9

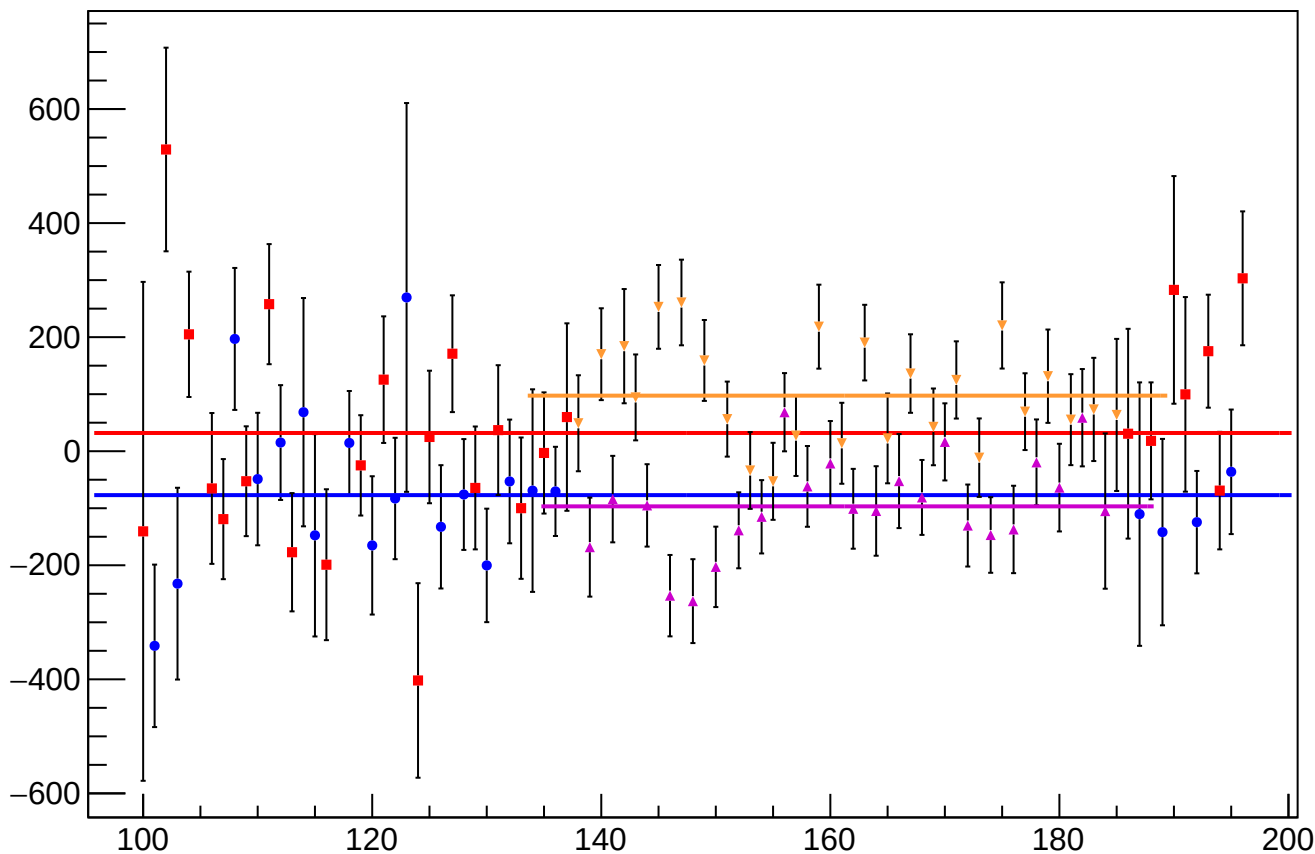
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1045.273+/-0.166 χ^2/NDF : 2107730.7/32

All: 1072.651+/-0.120 χ^2/NDF : 4962548.8/65

- sign 1102.274+/-0.173 χ^2/NDF : 2798106.0/32

reg_asym_sam7_mean vs Slug



Right In: -76.999 ± 25.812 χ^2/NDF : 15.7/20

Left Out: 97.445 ± 14.880 χ^2/NDF : 36.0/24

Right Out: 31.964 ± 23.339 χ^2/NDF : 47.1/25

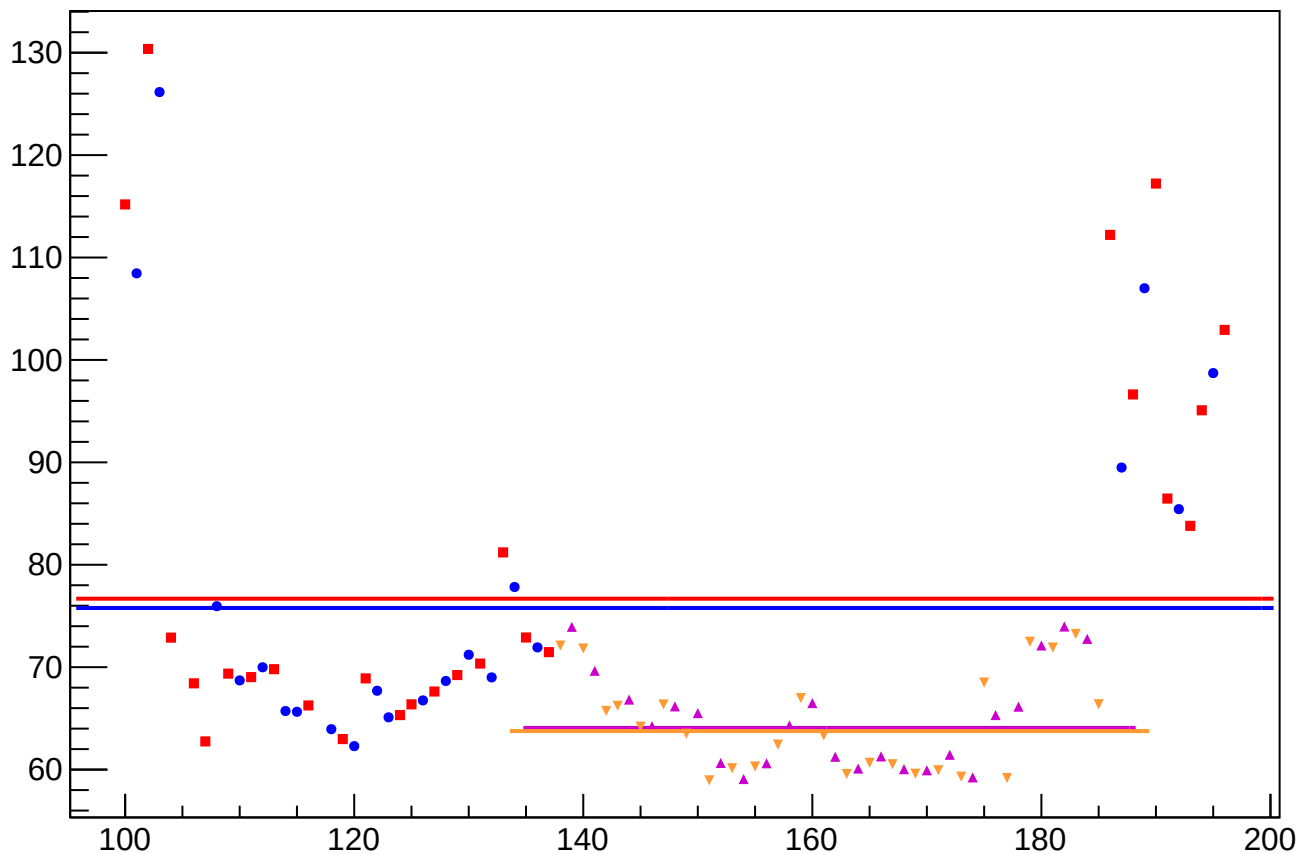
Left In: -96.704 ± 15.369 χ^2/NDF : 29.2/22

+ sign 53.934 ± 12.891 χ^2/NDF : 86.0/45

All: -2.164 ± 9.096 χ^2/NDF : 221.3/94

- sign -57.785 ± 12.836 χ^2/NDF : 97.6/48

reg_asym_sam7_rms vs Slug



Right In: 75.782 $\pm$ 0.018 χ^2 /NDF: 615546.0/20

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF:192803.8/24

Right Out: 76.687 $\pm$ 0.017 χ^2 /NDF: 819885.0/25

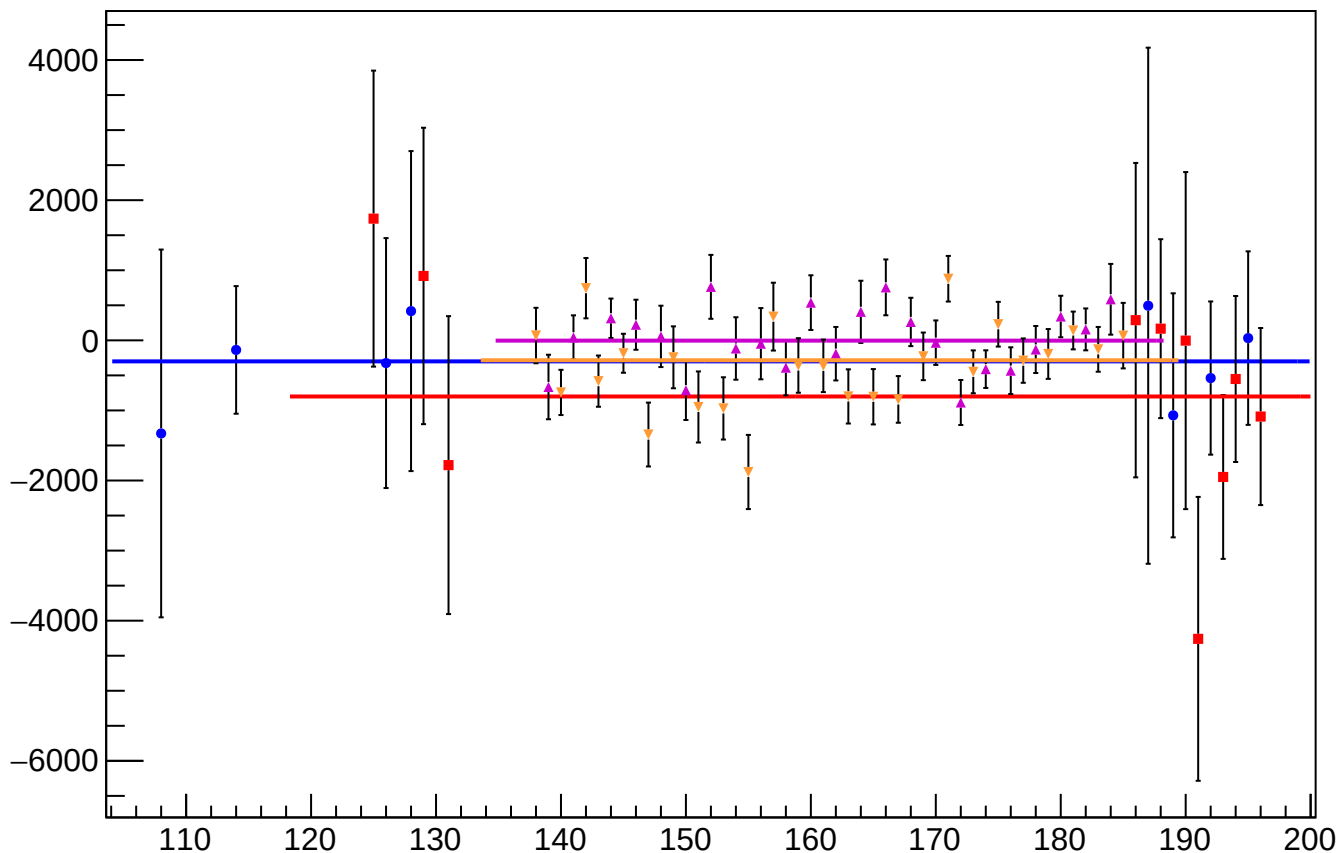
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF:164660.4/22

+ sign 66.759 $\pm$ 0.009 χ^2 /NDF: 1133912.6/45

All: 67.325 $\pm$ 0.006 χ^2 /NDF: 2533921.1/94

- sign 67.885 $\pm$ 0.009 χ^2 /NDF: 1392345.7/48

asym_sam7_correction_mean vs Slug



Right In: -299.984 ± 516.324 χ^2/NDF : 0.6/7

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -800.952 ± 501.908 χ^2/NDF : 7.2/9

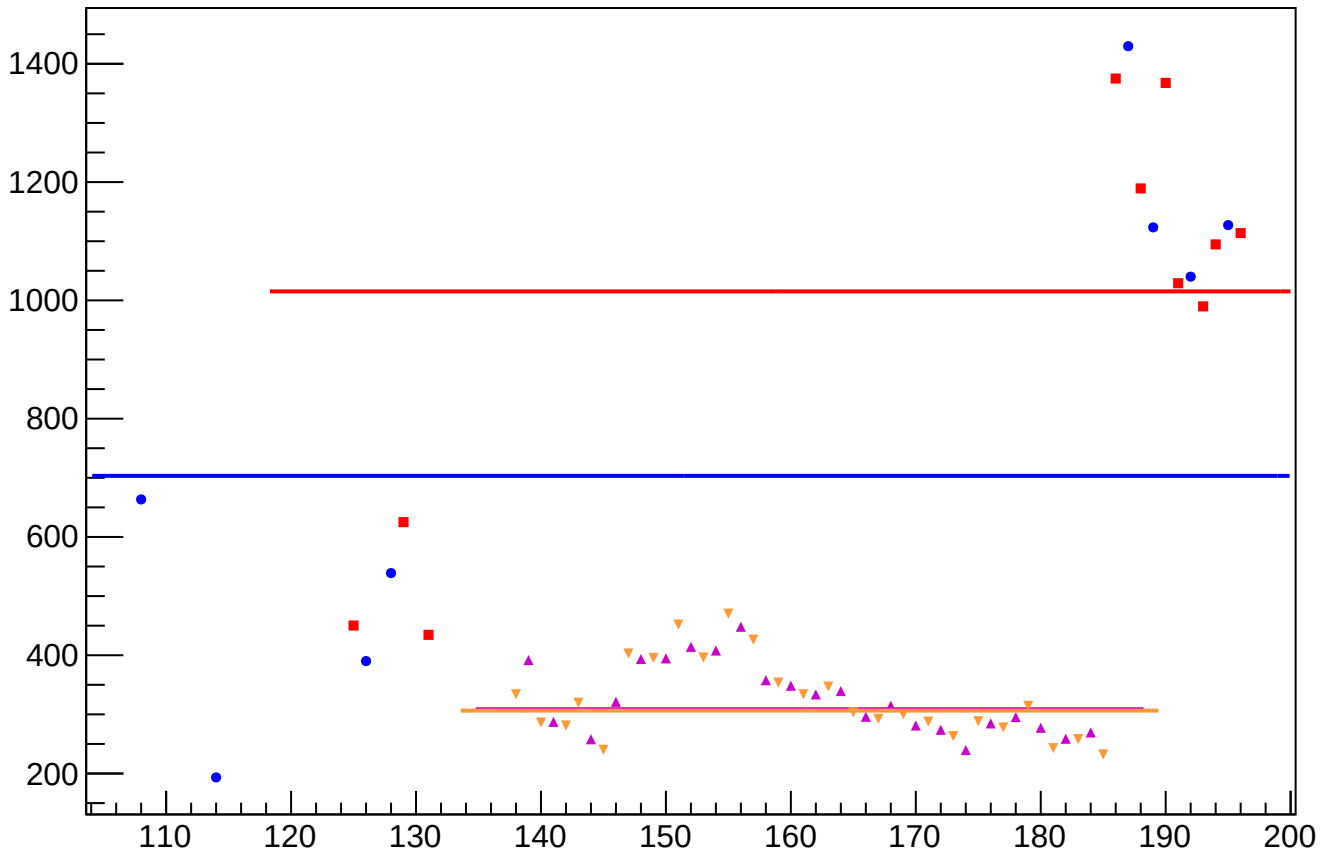
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -284.609 ± 72.021 χ^2/NDF : 55.7/32

All: -157.067 ± 51.699 χ^2/NDF : 104.2/65

- sign -21.481 ± 74.258 χ^2/NDF : 42.0/32

asym_sam7_correction_rms vs Slug



Right In: 703.283+/-0.365 χ^2/NDF : 1318537.0/7

Left Out: 306.363+/-0.051 χ^2/NDF :1215669.9/24

Right Out: 1015.215+/-0.355 χ^2/NDF : 514286.6/9

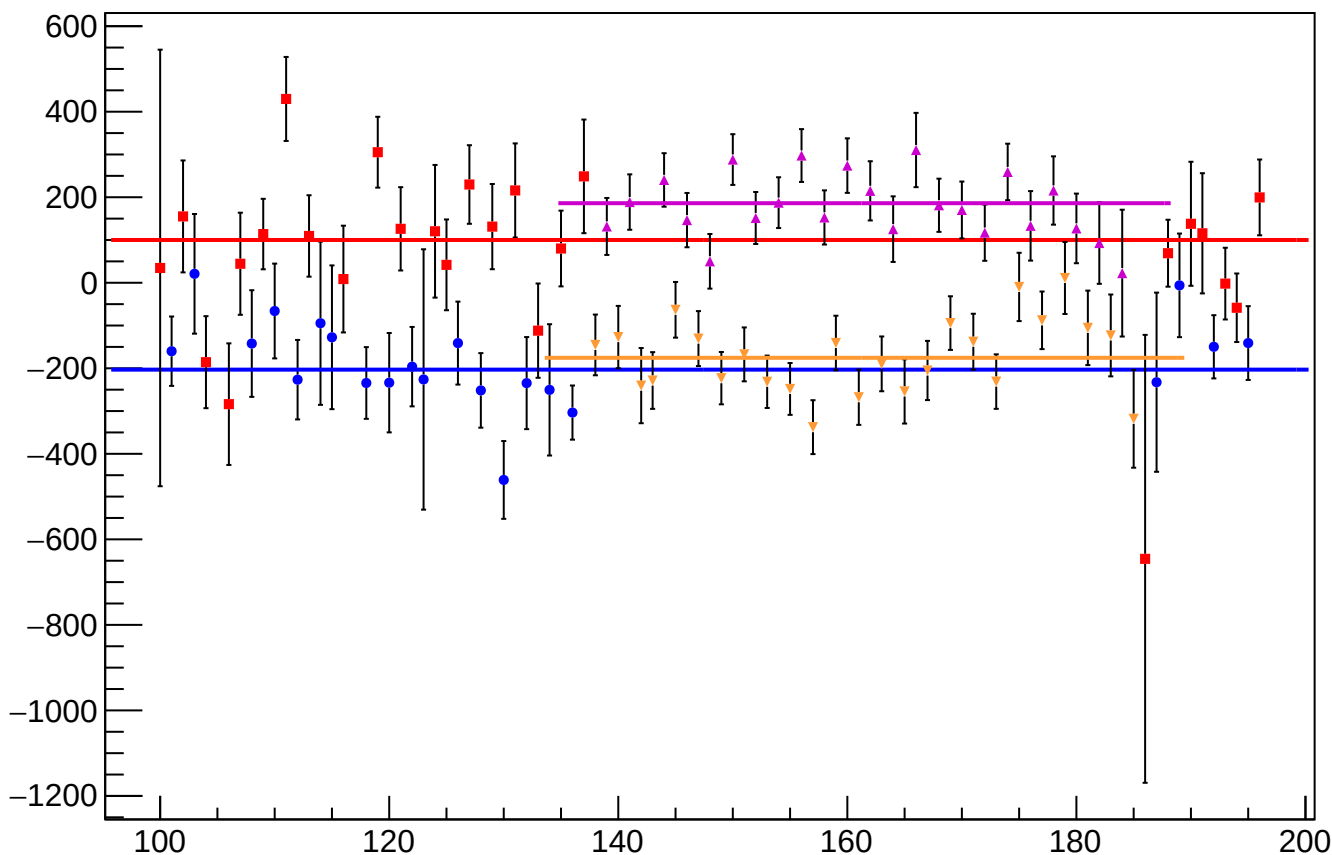
Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

+ sign 314.086+/-0.051 χ^2/NDF : 3693137.8/32

All: 318.984+/-0.037 χ^2/NDF : 9105416.8/65

- sign 324.191+/-0.053 χ^2/NDF : 5393193.0/32

reg_asym_sam8_mean vs Slug



Right In: -203.132 ± 22.272 χ^2/NDF : 20.6/20

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 100.036 ± 20.699 χ^2/NDF : 50.3/25

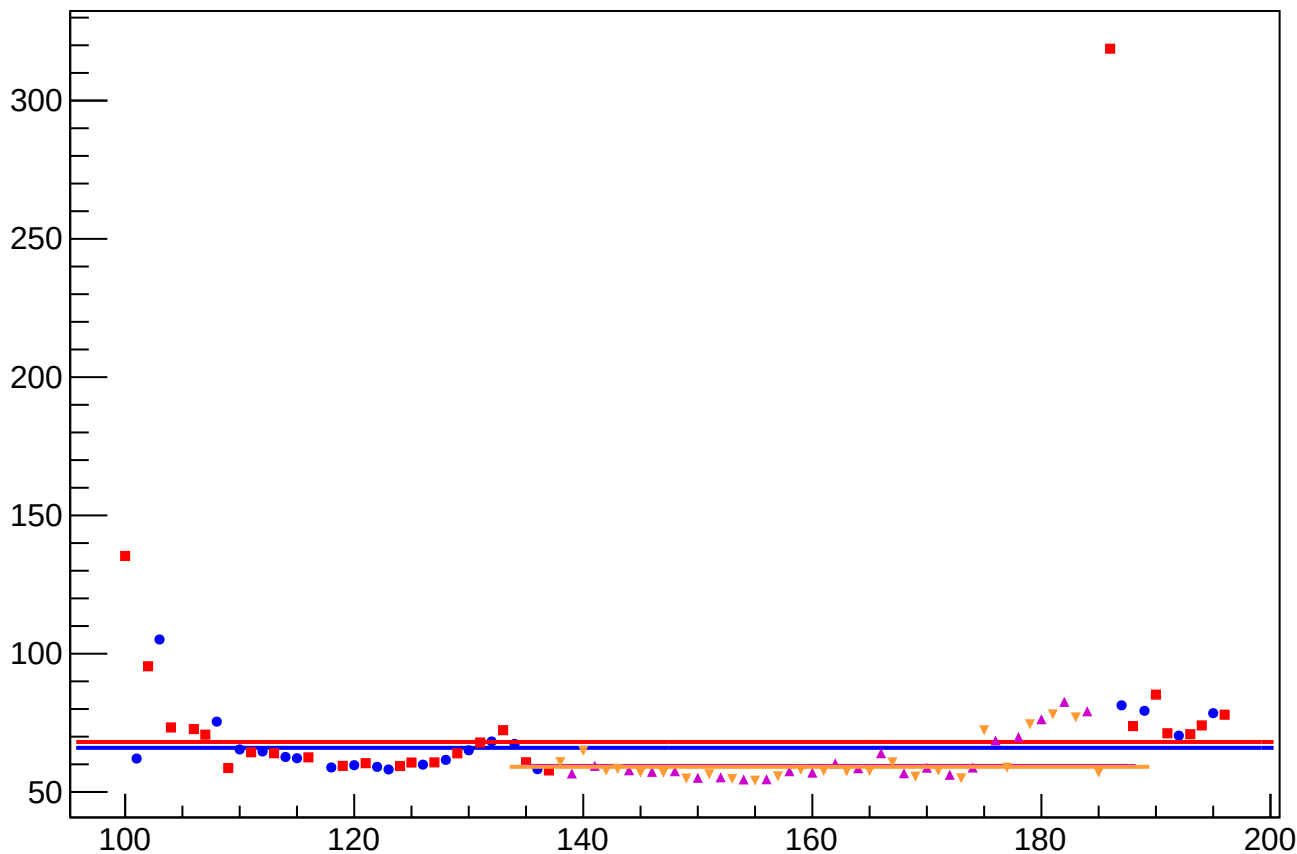
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -183.181 ± 11.759 χ^2/NDF : 56.3/45

All: -12.703 ± 8.320 χ^2/NDF : 562.8/94

- sign 158.219 ± 11.774 χ^2/NDF : 85.5/48

reg_asym_sam8_rms vs Slug



Right In: 65.963 ± 0.016 χ^2/NDF : 335927.5/20

Left Out: 59.099 ± 0.010 χ^2/NDF : 369788.6/24

Right Out: 68.080 ± 0.015 χ^2/NDF : 798084.9/25

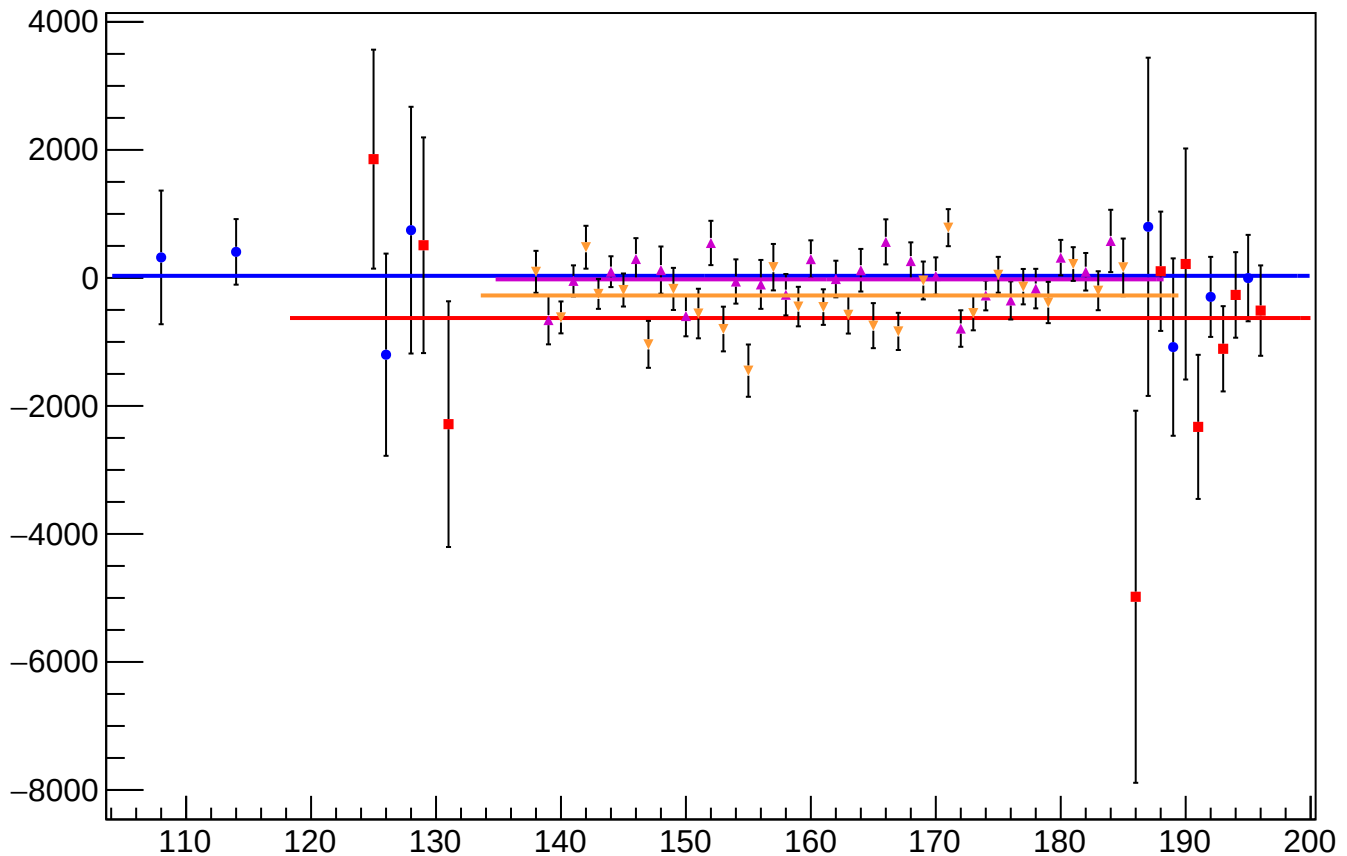
Left In: 59.410 ± 0.010 χ^2/NDF : 373052.7/22

+ sign 61.013 ± 0.008 χ^2/NDF : 842733.1/45

All: 61.613 ± 0.006 χ^2/NDF : 2261667.8/94

- sign 62.215 ± 0.008 χ^2/NDF : 1408485.5/48

asym_sam8_correction_mean vs Slug



Right In: 32.624 ± 304.109 χ^2/NDF : 2.4/7

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -626.715 ± 318.965 χ^2/NDF : 9.5/9

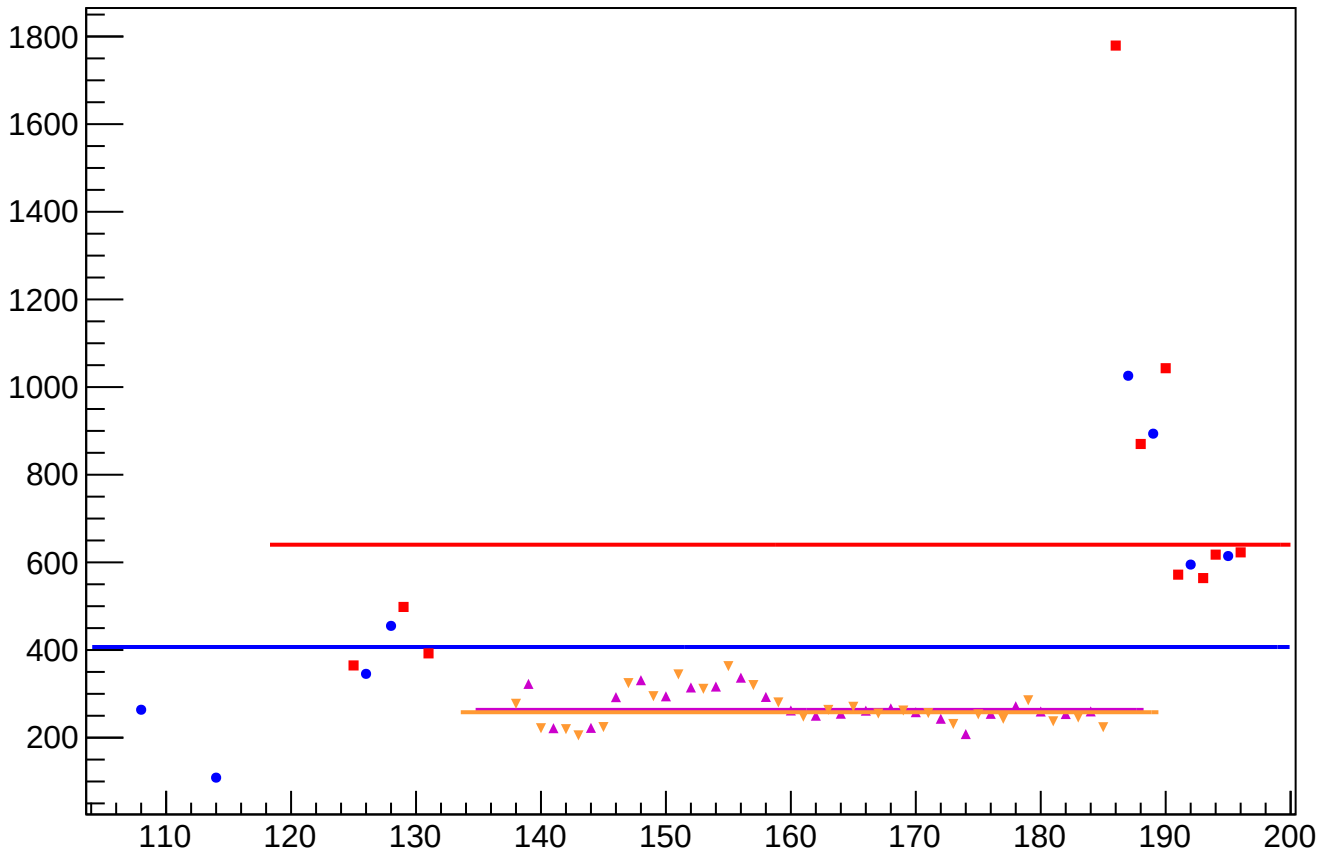
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -262.303 ± 59.619 χ^2/NDF : 57.2/32

All: -158.985 ± 43.111 χ^2/NDF : 105.4/65

- sign -45.760 ± 62.413 χ^2/NDF : 41.9/32

asym_sam8_correction_rms vs Slug



Right In: 406.877 $\pm$ 0.215 χ^2 /NDF: 1445549.8/7

Left Out: 258.040 $\pm$ 0.043 χ^2 /NDF: 724823.3/24

Right Out: 640.326 $\pm$ 0.226 χ^2 /NDF: 664862.3/9

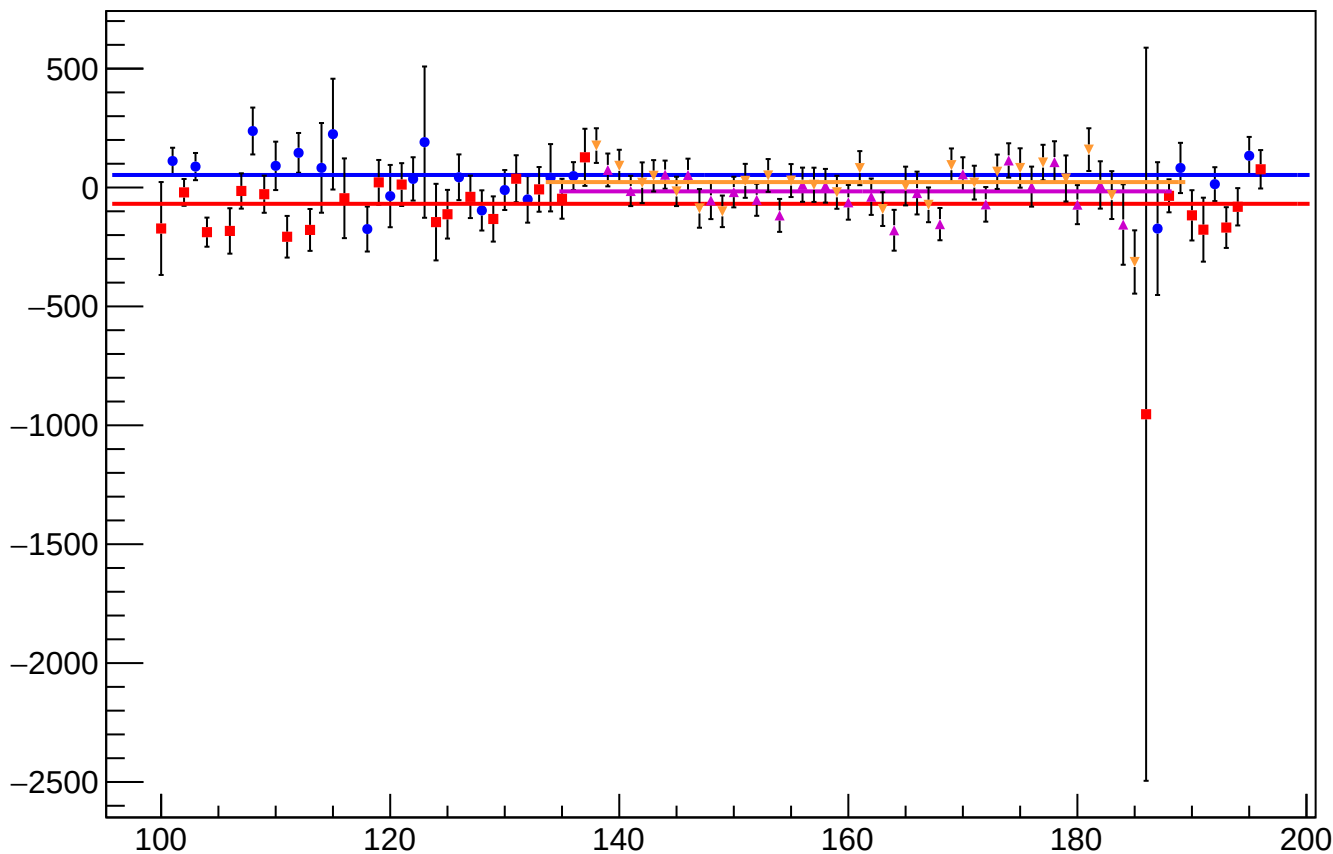
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 263.761 $\pm$ 0.042 χ^2 /NDF: 2631024.4/32

All: 270.473 $\pm$ 0.030 χ^2 /NDF: 6620638.5/65

- sign 277.828 $\pm$ 0.044 χ^2 /NDF: 3936483.6/32

reg_asym_sam_15_avg_mean vs Slug



Right In: 52.772 ± 19.566 χ^2/NDF : 20.3/20

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -68.534 ± 17.687 χ^2/NDF : 24.1/25

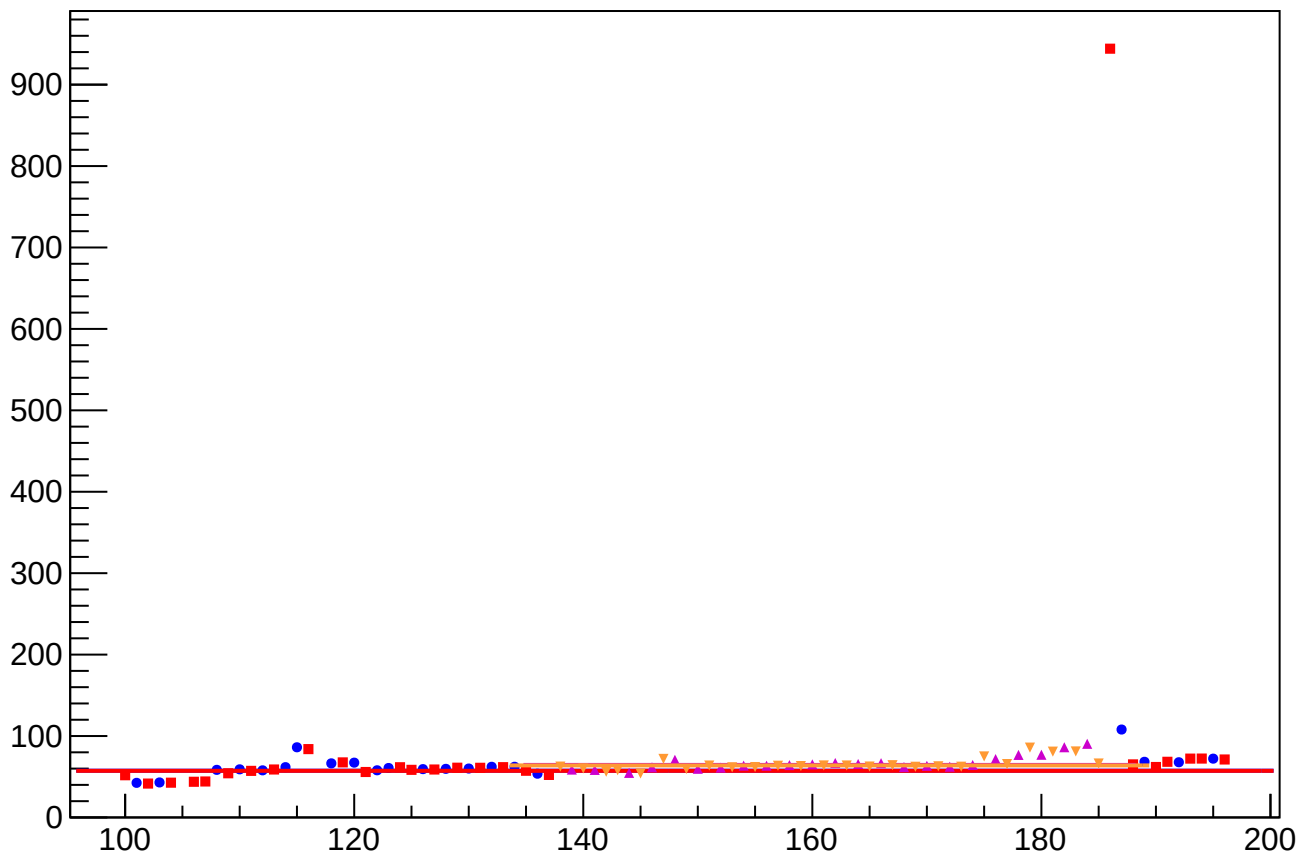
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 33.910 ± 11.888 χ^2/NDF : 50.7/45

All: -3.210 ± 8.328 χ^2/NDF : 122.3/94

- sign -38.982 ± 11.670 χ^2/NDF : 52.4/48

reg_asym_sam_15_avg_rms vs Slug



Right In: 57.436 $\pm$ 0.014 χ^2 /NDF: 551491.0/20

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 57.265 $\pm$ 0.013 χ^2 /NDF: 1366302.9/25

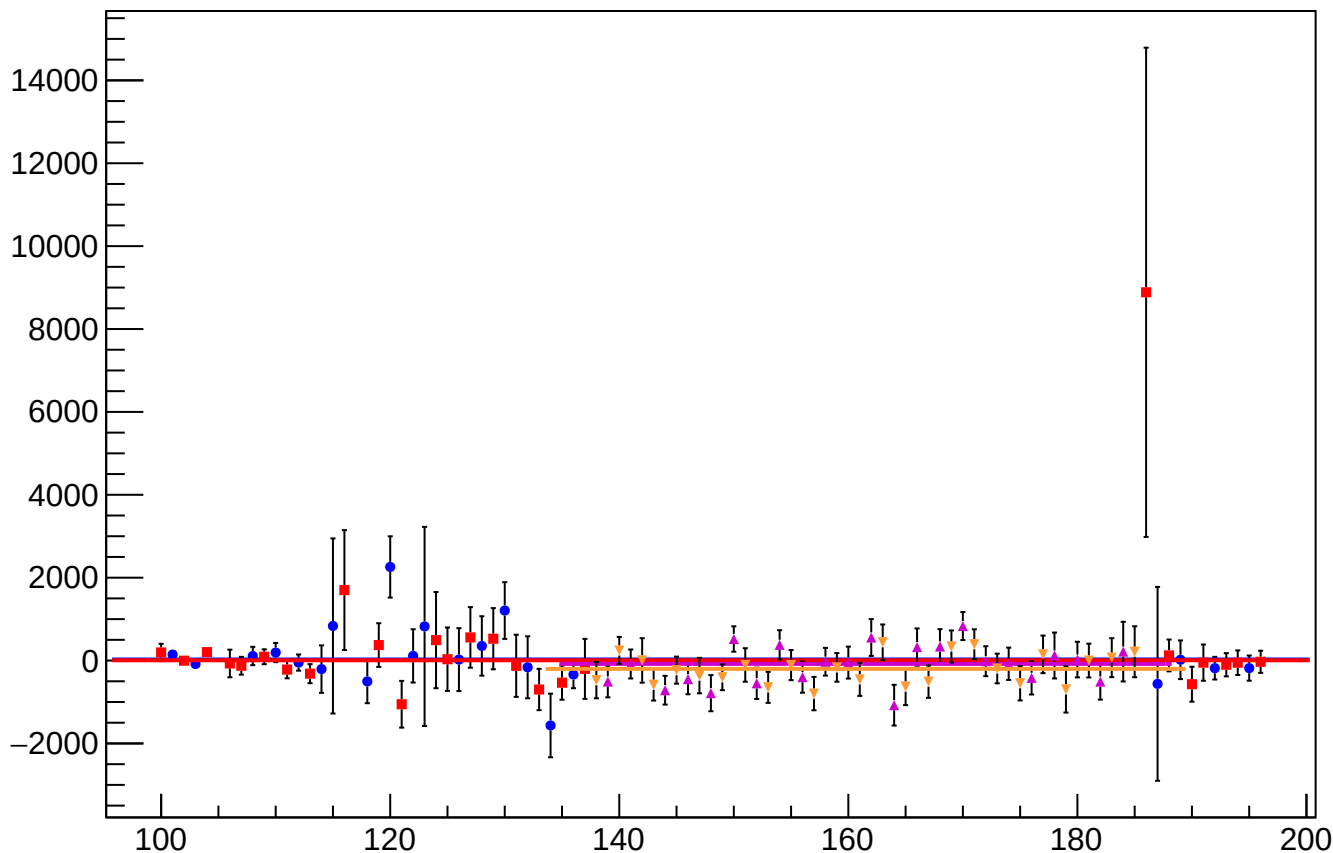
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.526 $\pm$ 0.008 χ^2 /NDF: 1085470.6/45

All: 61.440 $\pm$ 0.006 χ^2 /NDF: 3012033.0/94

- sign 61.356 $\pm$ 0.008 χ^2 /NDF: 1926354.5/48

asym_sam_15_avg_correction_mean vs Slug



Right In: 25.258 $\pm$ 49.683 χ^2 /NDF: 25.0/20

Left Out: -201.082 $\pm$ 79.549 χ^2 /NDF:19.7/24

Right Out: 7.020 $\pm$ 49.508 χ^2 /NDF: 23.3/25

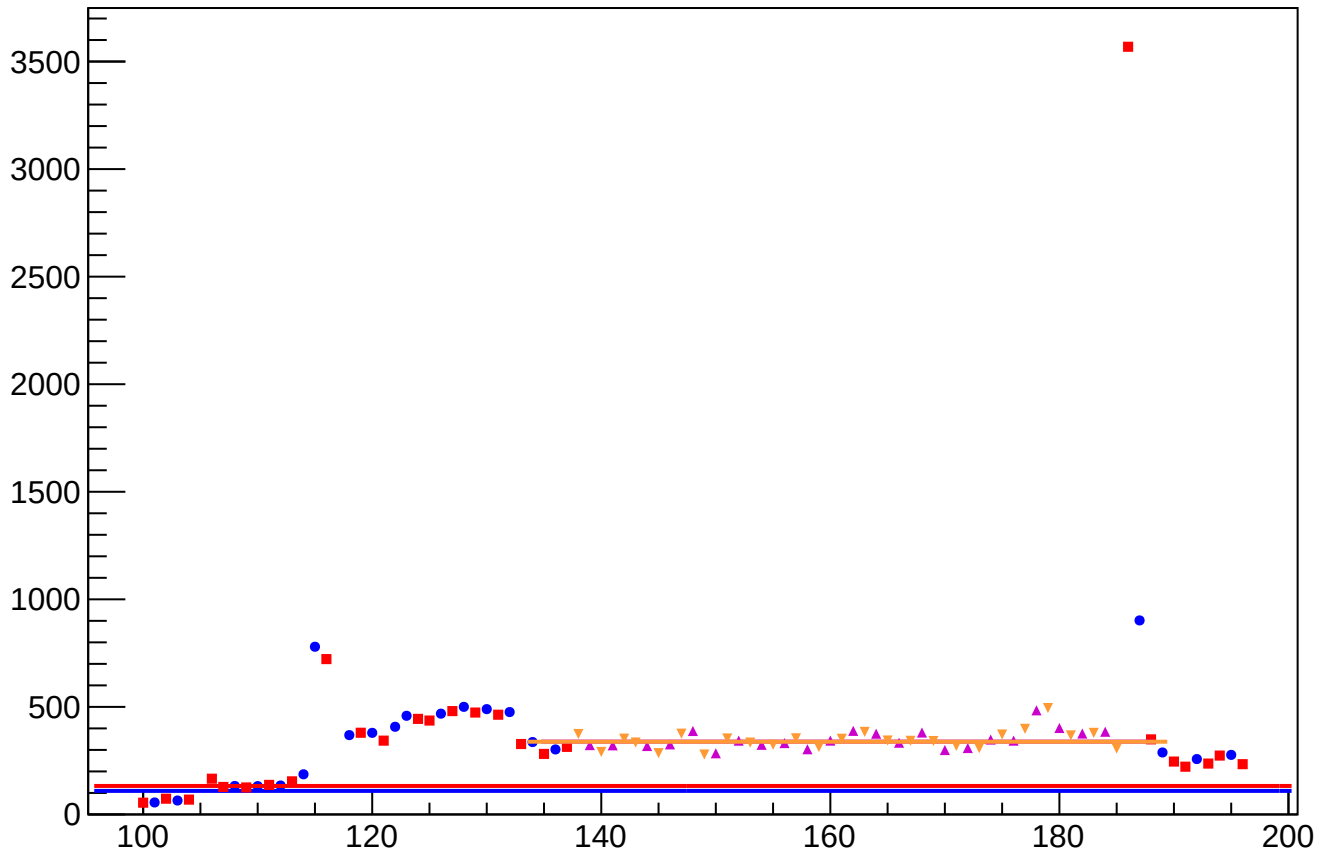
Left In: -79.985 $\pm$ 81.781 χ^2 /NDF:33.4/22

+ sign -38.256 $\pm$ 42.139 χ^2 /NDF: 50.5/45

All: -27.340 $\pm$ 29.872 χ^2 /NDF: 108.2/94

- sign -16.313 $\pm$ 42.352 χ^2 /NDF: 57.6/48

asym_sam_15_avg_correction_rms vs Slug



Right In: 109.549 $\pm$ 0.035 χ^2 /NDF: 7636299.9/20

Left Out: 338.130 $\pm$ 0.056 χ^2 /NDF: 498601.7/24

Right Out: 132.484 $\pm$ 0.035 χ^2 /NDF: 7857711.5/25

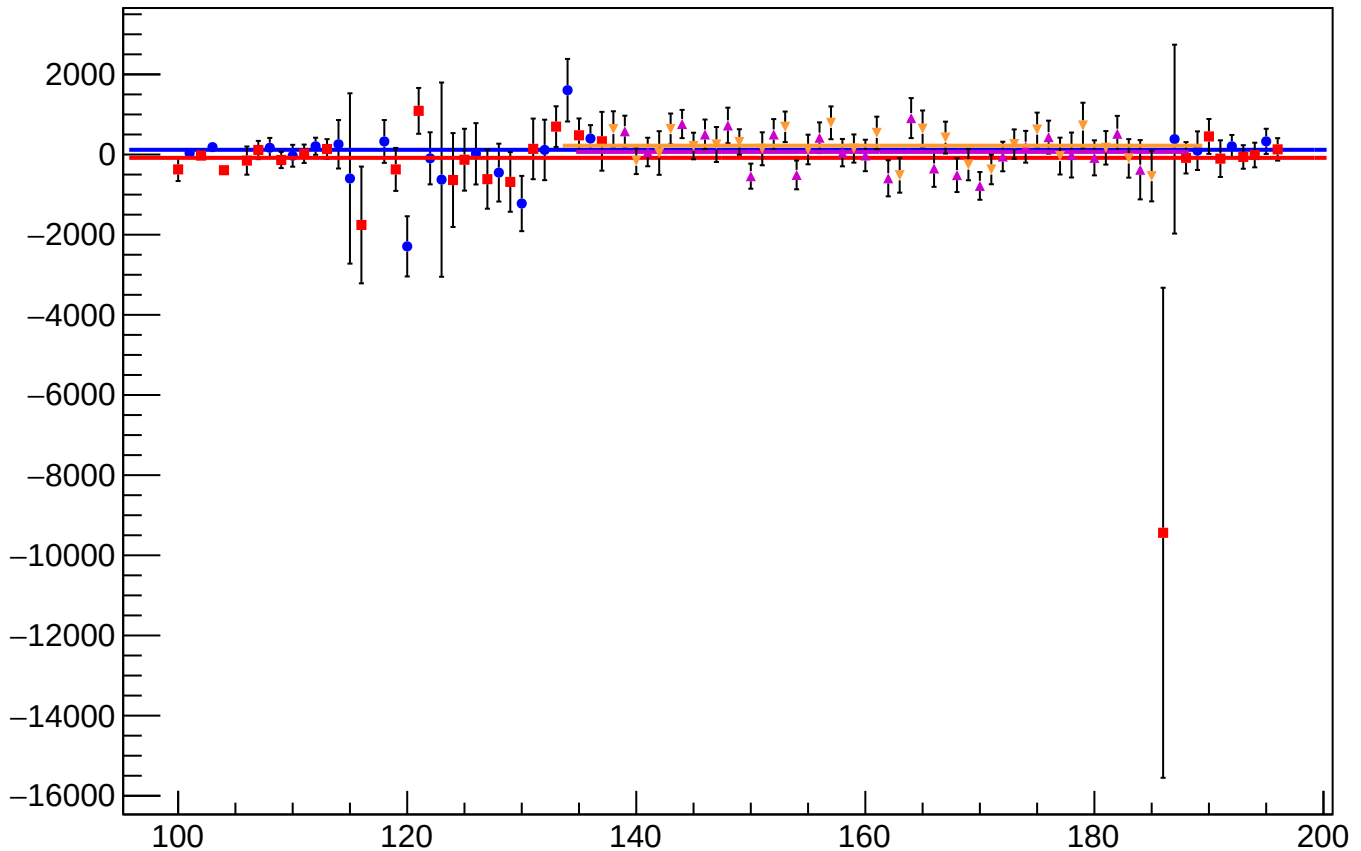
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 173.691 $\pm$ 0.030 χ^2 /NDF: 20014659.7/45

All: 180.686 $\pm$ 0.021 χ^2 /NDF: 37714250.9/94

- sign 187.752 $\pm$ 0.030 χ^2 /NDF: 17588815.5/48

asym_sam_15_avg_mean vs Slug



Right In: 118.322 $\pm$ 60.028 χ^2 /NDF: 21.6/20

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF: 19.7/24

Right Out: -82.749 $\pm$ 55.783 χ^2 /NDF: 25.9/25

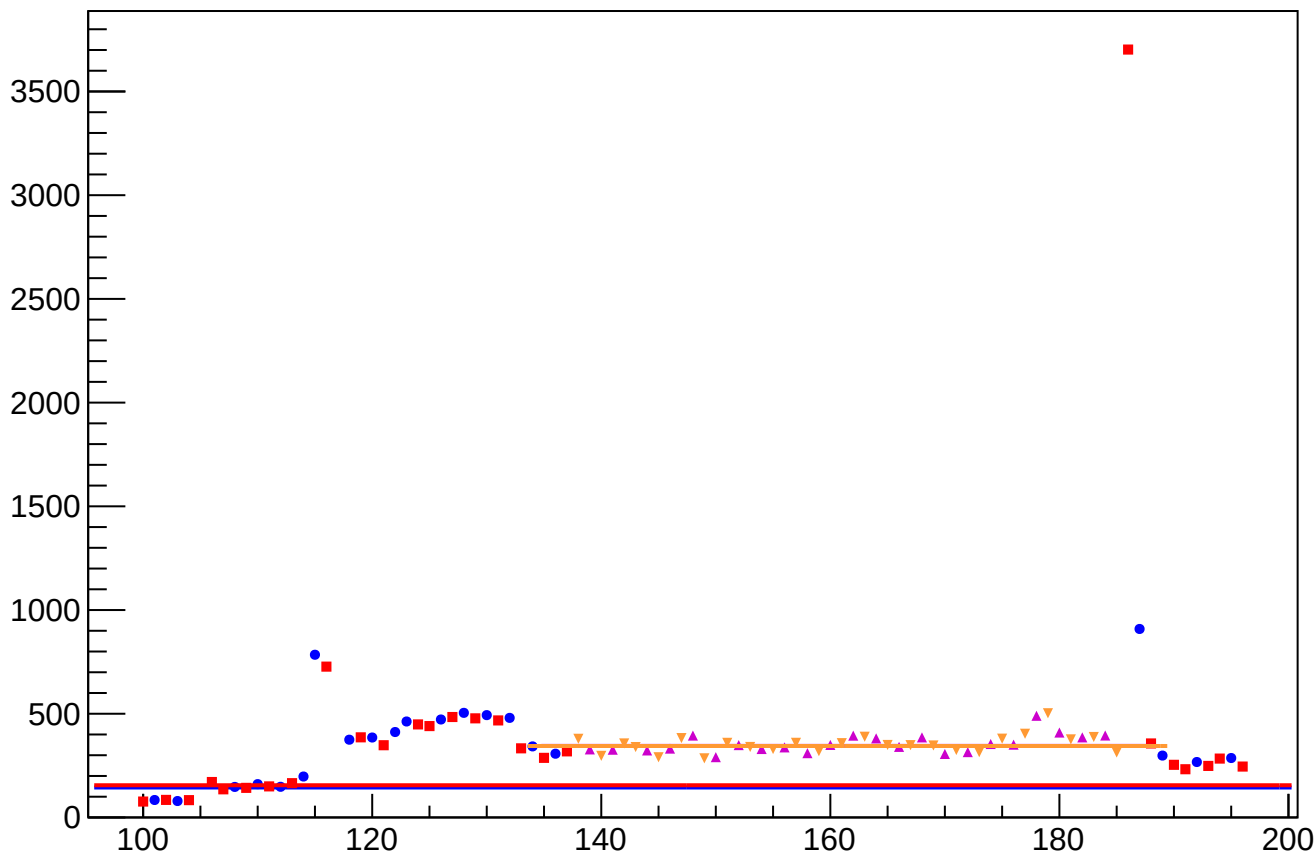
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF: 34.0/22

+ sign 154.741 $\pm$ 48.232 χ^2 /NDF: 42.4/45

All: 55.136 $\pm$ 33.421 χ^2 /NDF: 112.6/94

- sign -36.861 $\pm$ 46.353 χ^2 /NDF: 62.0/48

asym_sam_15_avg_rms vs Slug



Right In: 144.423+/-0.042 χ^2/NDF : 6071207.4/20

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 155.260+/-0.039 χ^2/NDF : 6727497.4/25

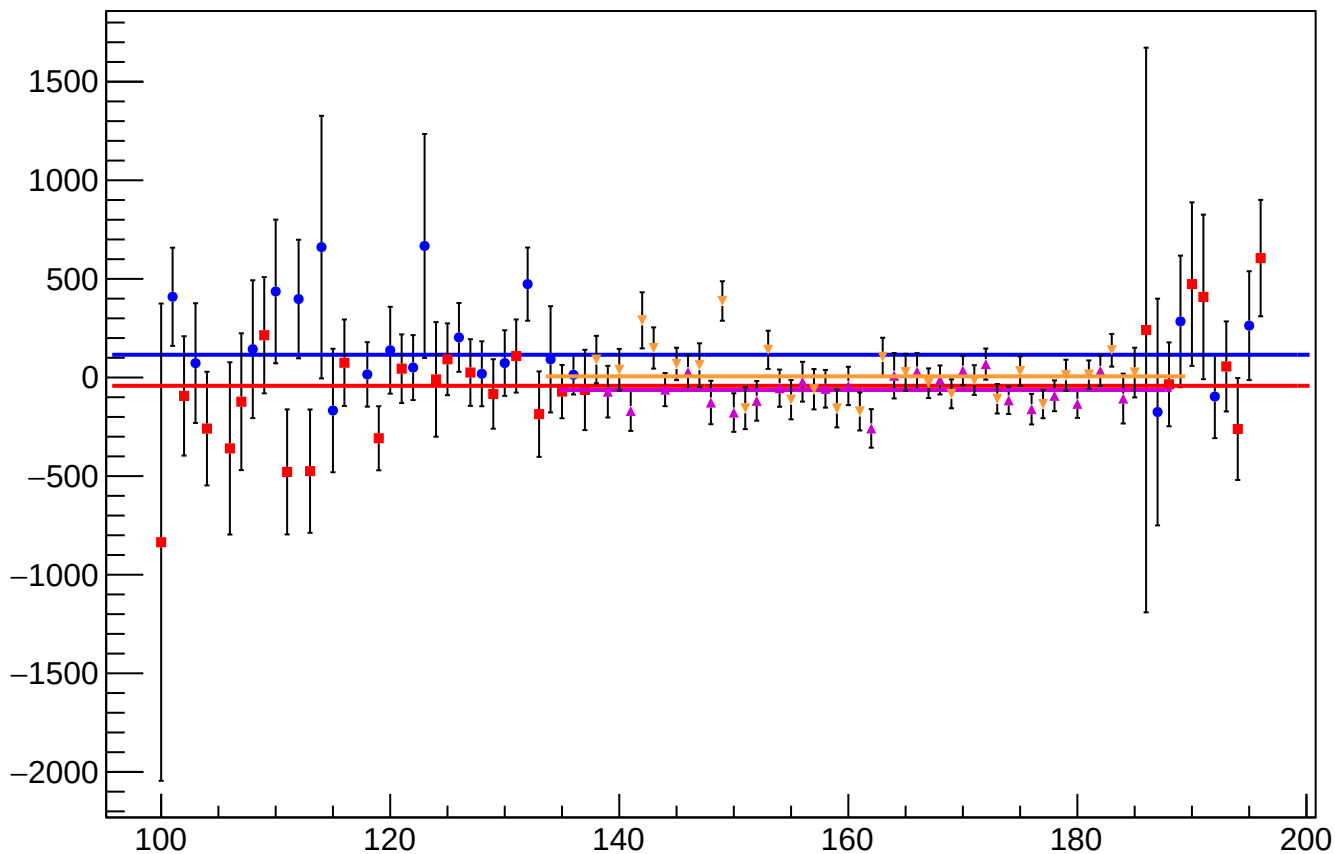
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 215.333+/-0.034 χ^2/NDF : 14434390.0/45

All: 214.639+/-0.024 χ^2/NDF : 28754743.2/94

- sign 213.999+/-0.033 χ^2/NDF : 14319557.4/48

reg_asym_sam_26_avg_mean vs Slug



Right In: 115.334 ± 46.590 χ^2/NDF : 13.3/20

Left Out: 6.020 ± 17.910 χ^2/NDF : 46.0/24

Right Out: -42.104 ± 45.691 χ^2/NDF : 19.8/25

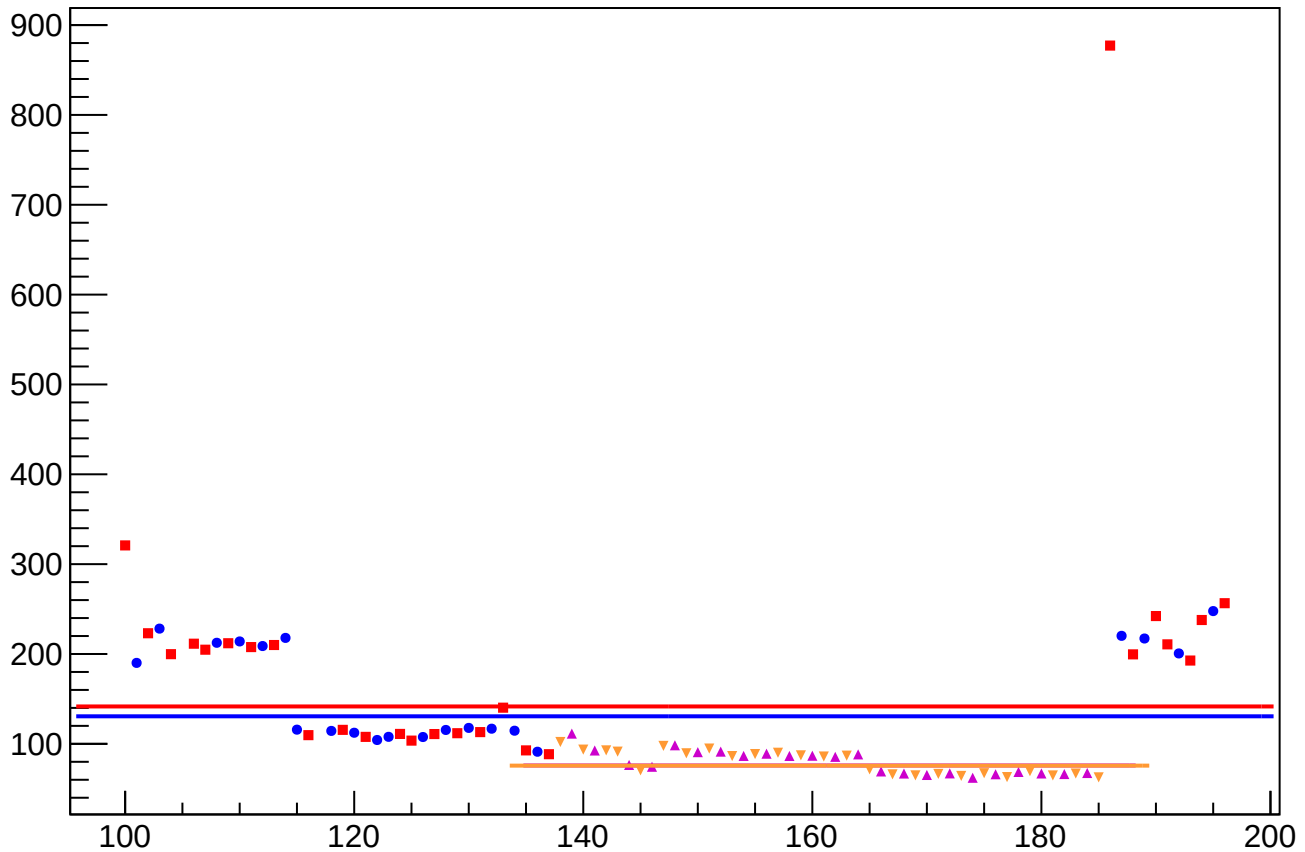
Left In: -63.279 ± 18.447 χ^2/NDF : 19.8/22

+ sign 20.094 ± 16.717 χ^2/NDF : 64.1/45

All: -19.187 ± 11.956 χ^2/NDF : 115.2/94

- sign -60.311 ± 17.105 χ^2/NDF : 39.8/48

reg_asym_sam_26_avg_rms vs Slug



Right In: 130.642 $\pm$ 0.033 χ^2 /NDF: 1954572.6/20

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 141.610 $\pm$ 0.032 χ^2 /NDF: 3062692.4/25

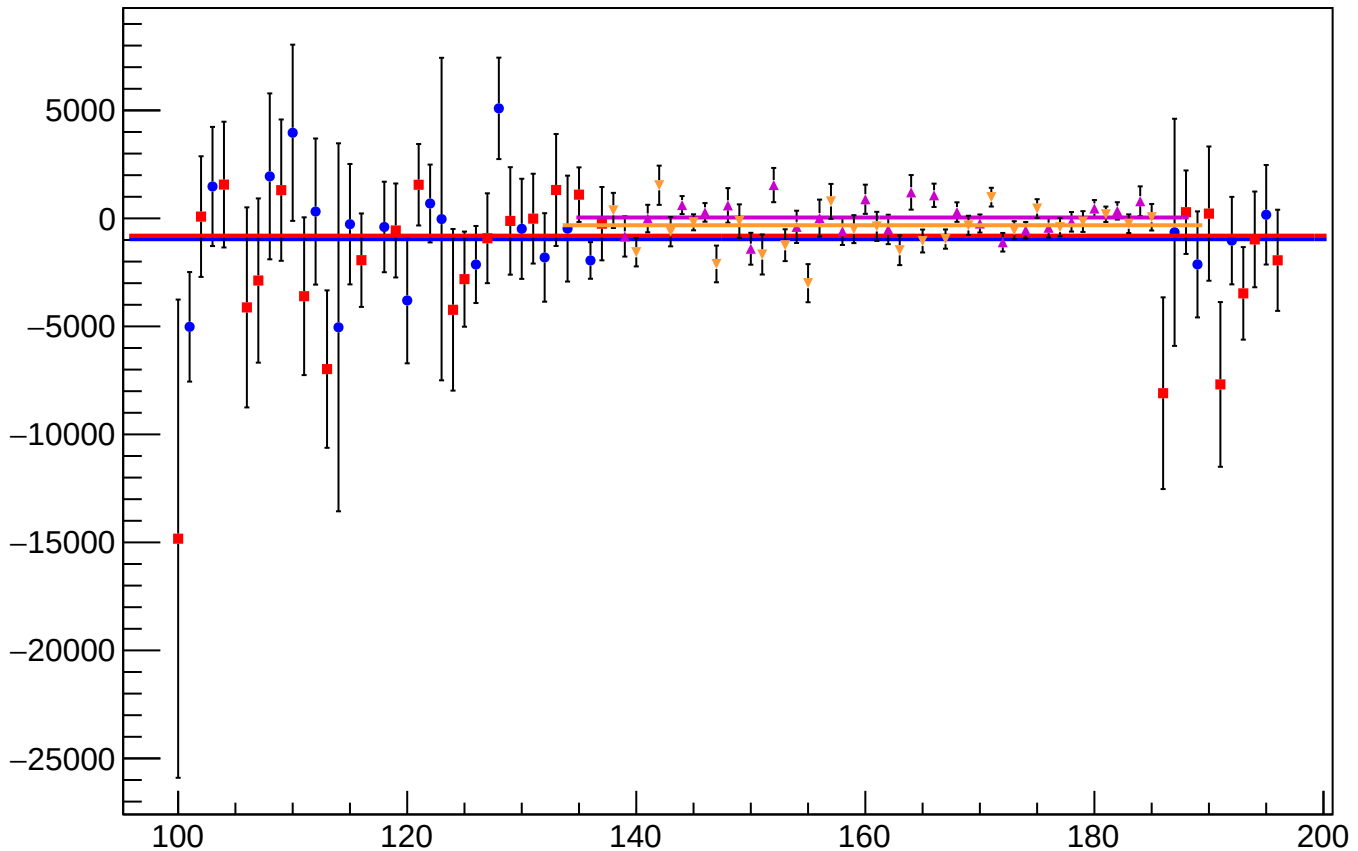
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 82.811 $\pm$ 0.012 χ^2 /NDF: 5311854.0/45

All: 83.938 $\pm$ 0.008 χ^2 /NDF: 12780279.2/94

- sign 85.117 $\pm$ 0.012 χ^2 /NDF: 7449826.5/48

asym_sam_26_avg_correction_mean vs Slug



Right In: -964.561 ± 475.213 χ^2/NDF : 16.8/20

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -799.706 ± 474.599 χ^2/NDF : 22.0/25

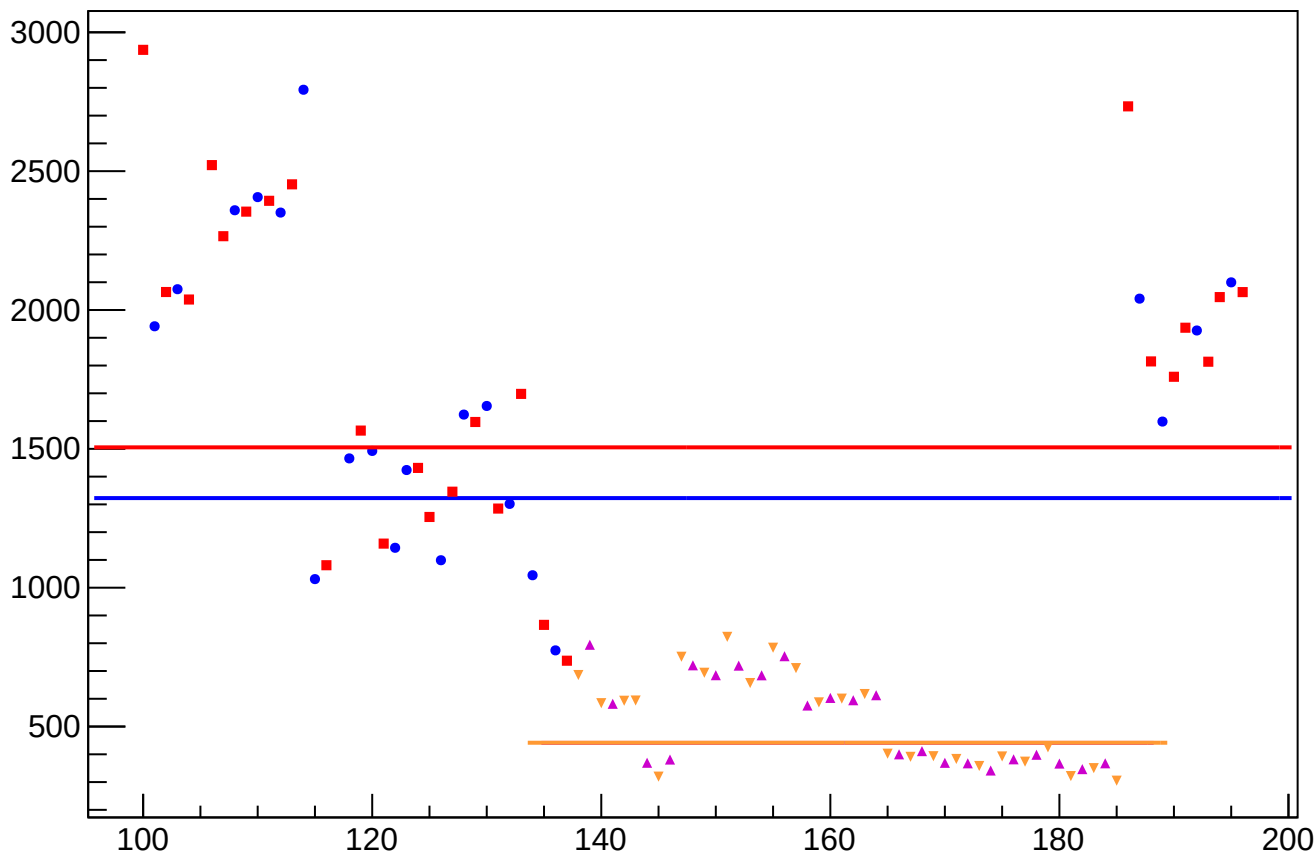
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -349.824 ± 105.327 χ^2/NDF : 68.6/45

All: -179.557 ± 75.197 χ^2/NDF : 133.7/94

- sign -2.547 ± 107.393 χ^2/NDF : 59.7/48

asym_sam_26_avg_correction_rms vs Slug



Right In: 1322.691 ± 0.336 $\chi^2/\text{NDF}: 2292331.3/20$

Left Out: 441.685 ± 0.076 $\chi^2/\text{NDF}: 3169140.9/24$

Right Out: 1505.378 ± 0.336 $\chi^2/\text{NDF}: 2405763.9/25$

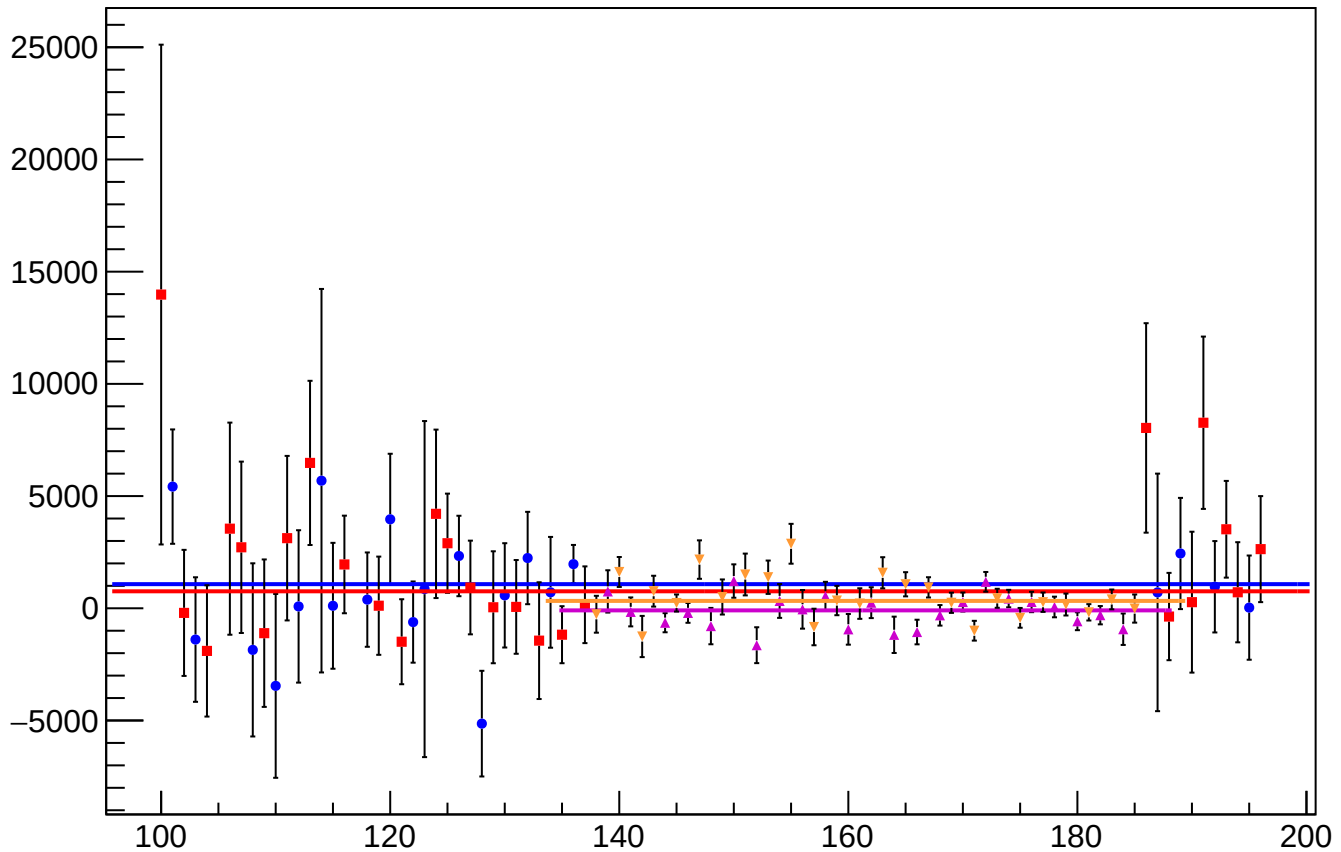
Left In: 441.009 ± 0.078 $\chi^2/\text{NDF}: 2597018.1/22$

+ sign 484.964 ± 0.074 $\chi^2/\text{NDF}: 11997823.4/45$

All: 490.133 ± 0.053 $\chi^2/\text{NDF}: 26554507.1/94$

- sign 495.507 ± 0.076 $\chi^2/\text{NDF}: 14546858.1/48$

asym_sam_26_avg_mean vs Slug



Right In: 1075.451 $\pm$ 478.035 χ^2 /NDF: 17.4/20

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: 756.352 $\pm$ 477.537 χ^2 /NDF: 22.0/25

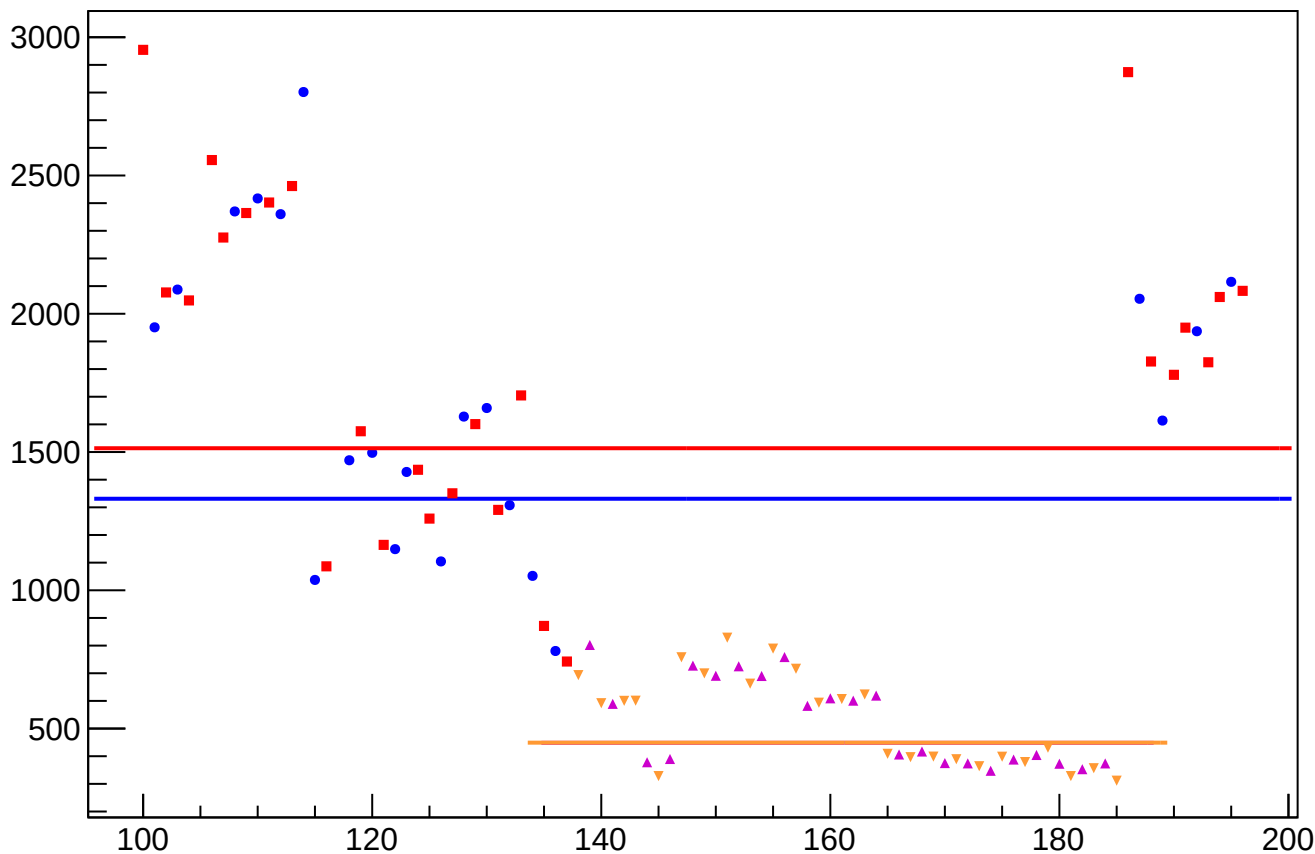
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 365.941 $\pm$ 106.891 χ^2 /NDF: 67.5/45

All: 162.511 $\pm$ 76.320 χ^2 /NDF: 133.2/94

- sign -49.040 $\pm$ 109.004 χ^2 /NDF: 58.3/48

asym_sam_26_avg_rms vs Slug



Right In: 1331.047+/-0.338 χ^2/NDF : 2281124.3/20

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1513.734+/-0.338 χ^2/NDF : 2424381.7/25

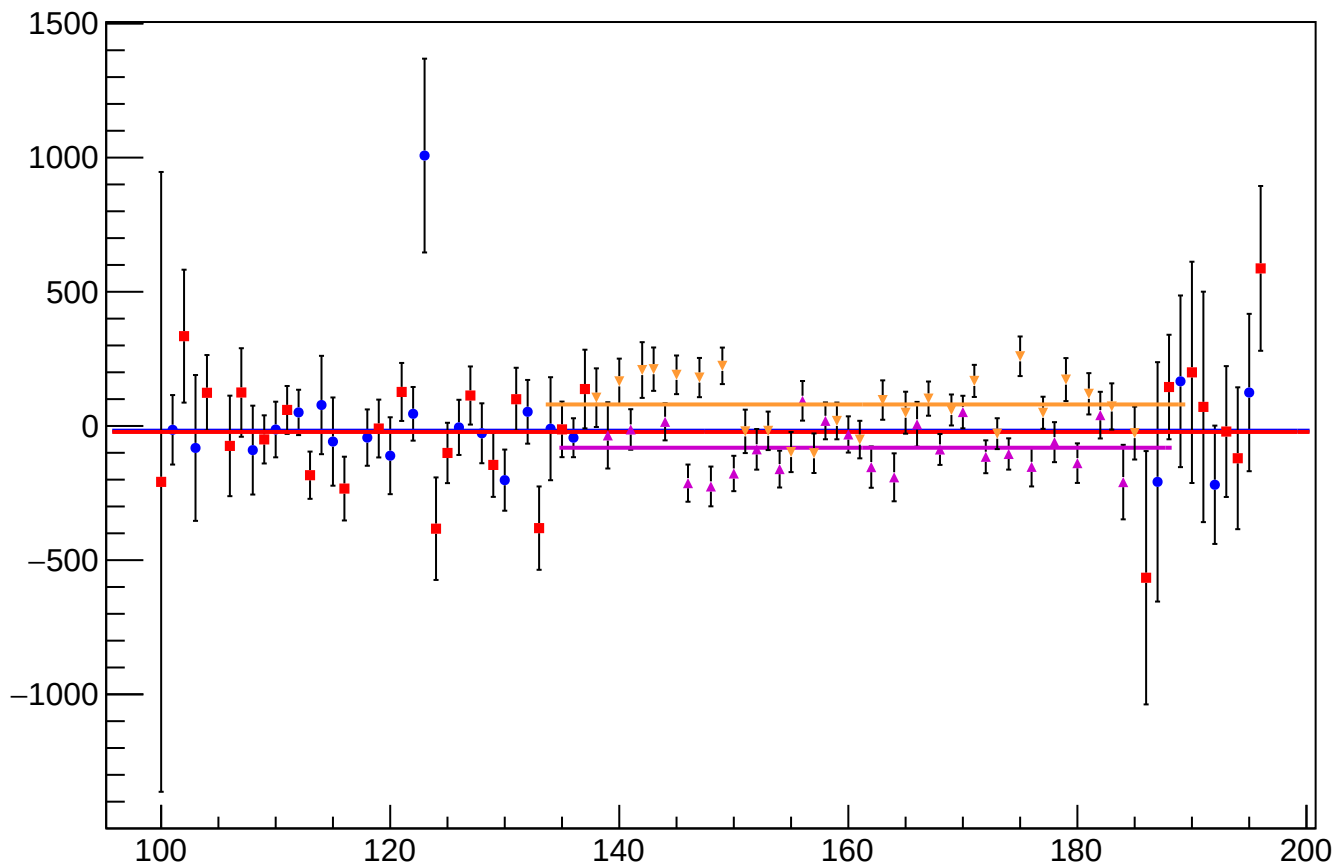
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 493.117+/-0.076 χ^2/NDF : 11840064.7/45

All: 498.364+/-0.054 χ^2/NDF : 26248460.9/94

- sign 503.820+/-0.077 χ^2/NDF : 14398567.4/48

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.585 ± 28.355 $\chi^2/\text{NDF}: 14.9/20$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -22.295 ± 27.167 $\chi^2/\text{NDF}: 34.2/25$

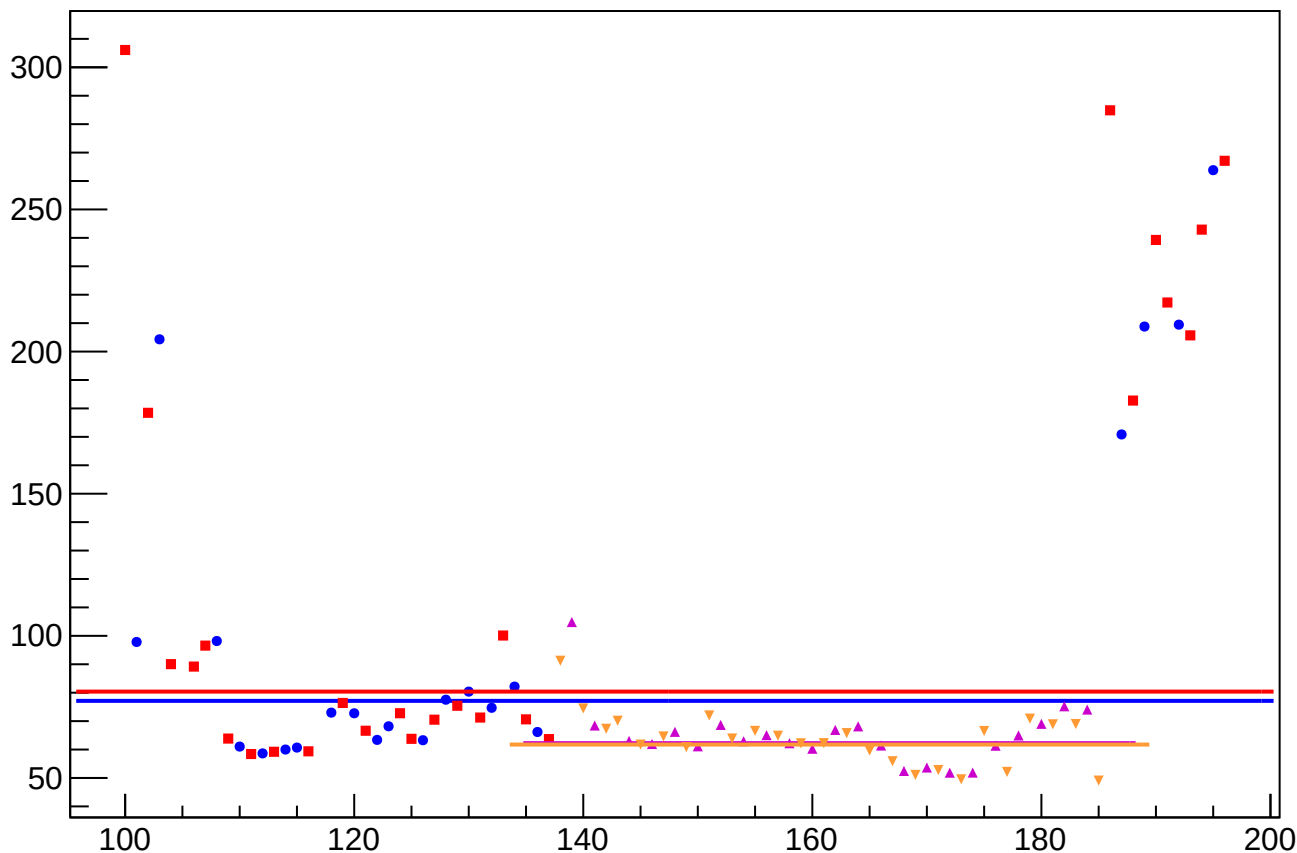
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 59.702 ± 12.975 $\chi^2/\text{NDF}: 72.8/45$

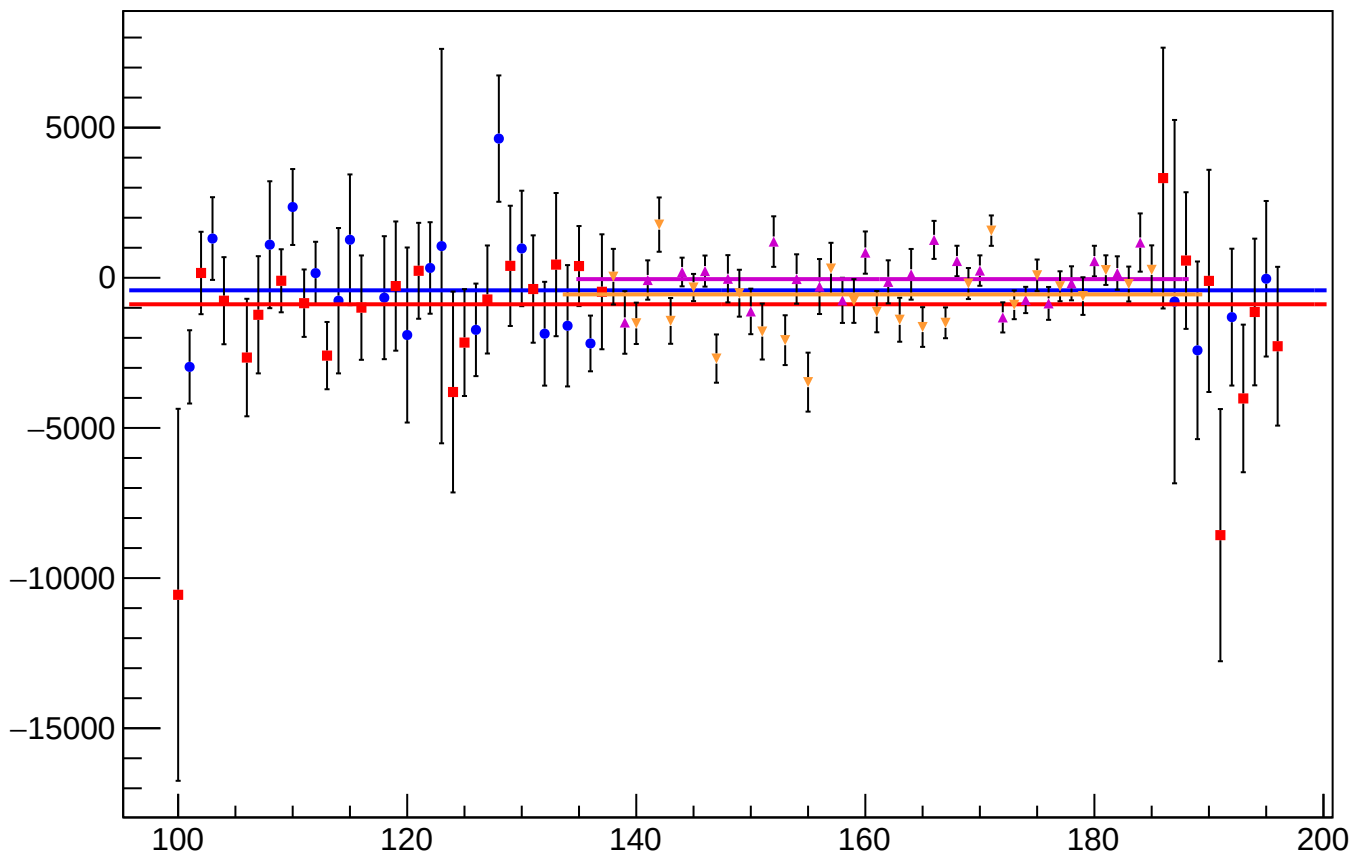
All: -2.676 ± 9.254 $\chi^2/\text{NDF}: 192.9/94$

- sign -67.256 ± 13.202 $\chi^2/\text{NDF}: 73.1/48$

reg_asym_sam_37_avg_rms vs Slug



asym_sam_37_avg_correction_mean vs Slug



Right In: -417.521 $\pm$ 370.085 χ^2/NDF : 25.1/20

Left Out: -552.511 $\pm$ 126.981 χ^2/NDF : 65.3/24

Right Out: -882.201 $\pm$ 350.601 χ^2/NDF : 17.0/25

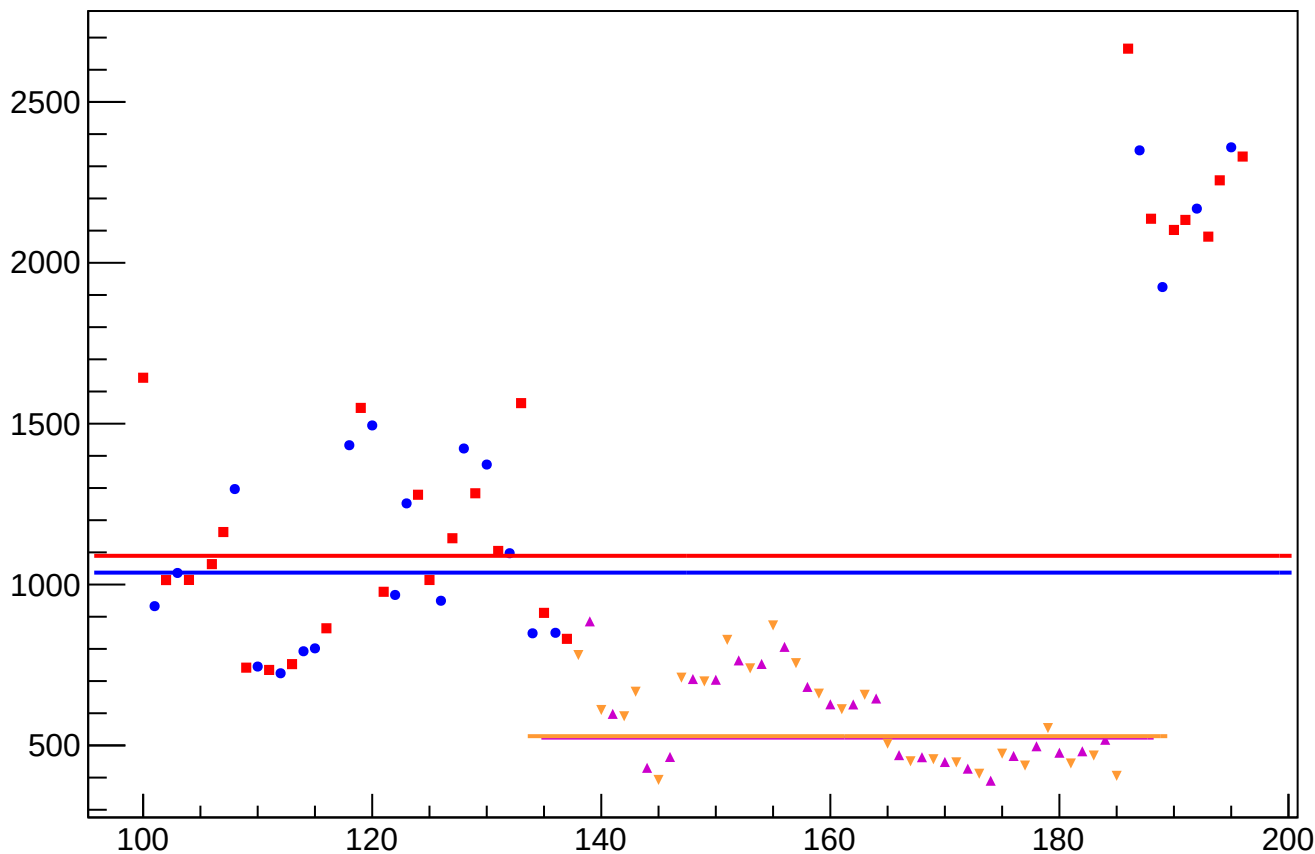
Left In: -44.578 $\pm$ 129.095 χ^2/NDF : 29.6/22

+ sign -538.293 $\pm$ 120.108 χ^2/NDF : 90.5/45

All: -343.128 $\pm$ 85.293 χ^2/NDF : 147.4/94

- sign -144.583 $\pm$ 121.143 χ^2/NDF : 51.6/48

asym_sam_37_avg_correction_rms vs Slug



Right In: 1037.053+/-0.262 χ^2/NDF : 2029479.7/20

Left Out: 528.736+/-0.090 χ^2/NDF : 1983697.7/24

Right Out: 1089.311+/-0.248 χ^2/NDF : 3131260.8/25

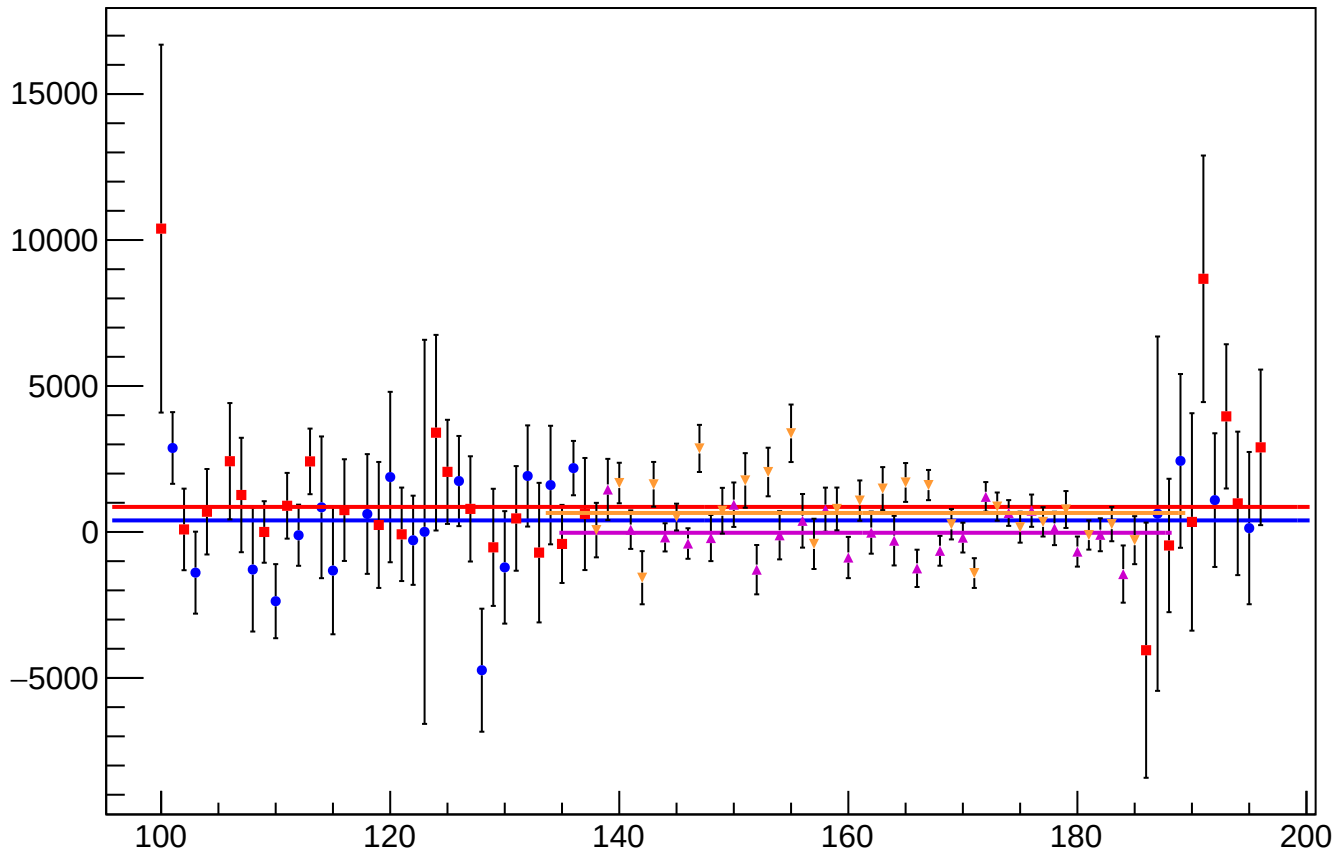
Left In: 524.268+/-0.091 χ^2/NDF : 1716257.3/22

+ sign 582.275+/-0.085 χ^2/NDF : 7388859.0/45

All: 586.962+/-0.060 χ^2/NDF : 16817080.3/94

- sign 591.729+/-0.086 χ^2/NDF : 9422078.9/48

asym_sam_37_avg_mean vs Slug



Right In: 396.029 ± 371.793 χ^2/NDF : 25.2/20

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 858.436 ± 352.399 χ^2/NDF : 16.4/25

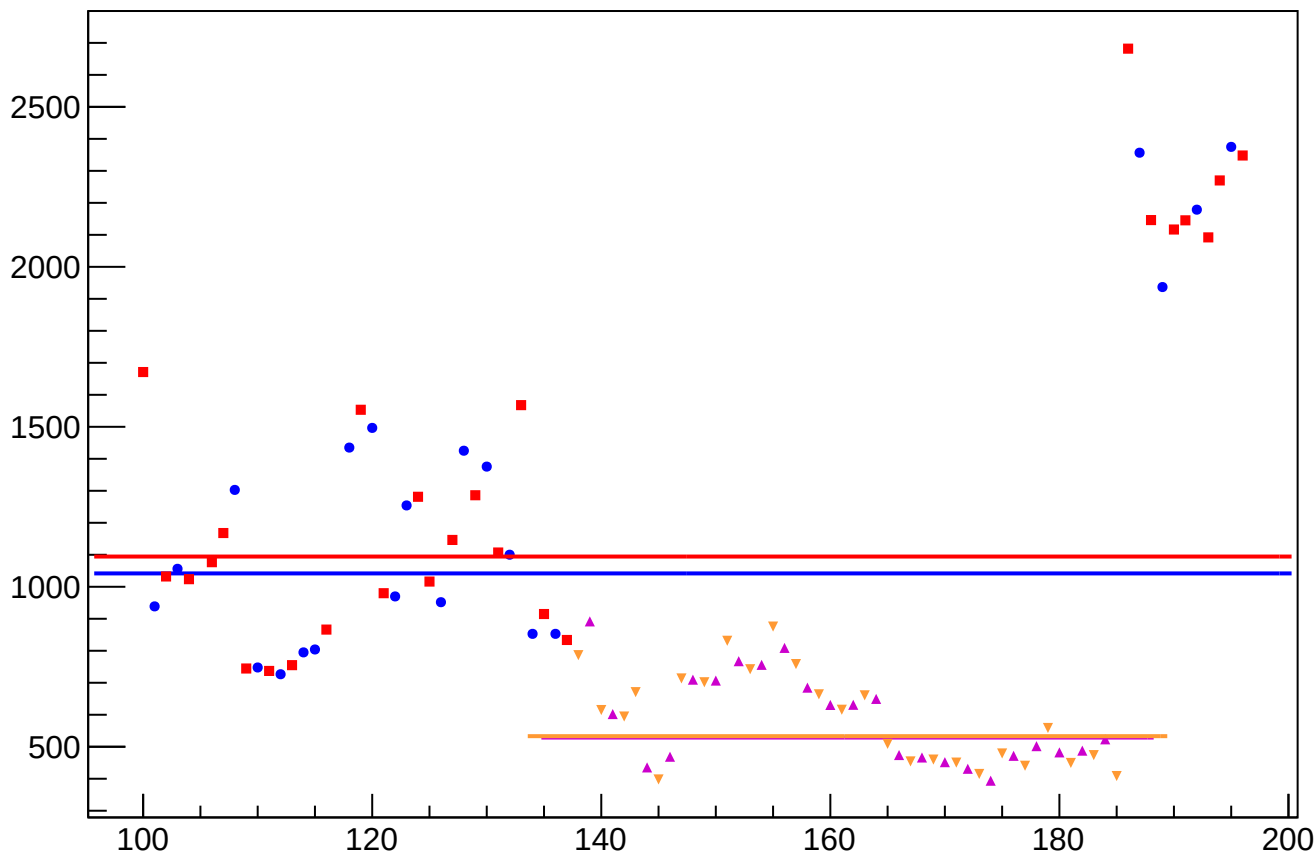
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 624.497 ± 120.995 χ^2/NDF : 86.8/45

All: 354.071 ± 85.934 χ^2/NDF : 147.3/94

- sign 78.819 ± 122.070 χ^2/NDF : 50.4/48

asym_sam_37_avg_rms vs Slug



Right In: 1041.763 $\pm$ 0.263 χ^2 /NDF: 2031987.7/20

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 1094.485 $\pm$ 0.249 χ^2 /NDF: 3138766.3/25

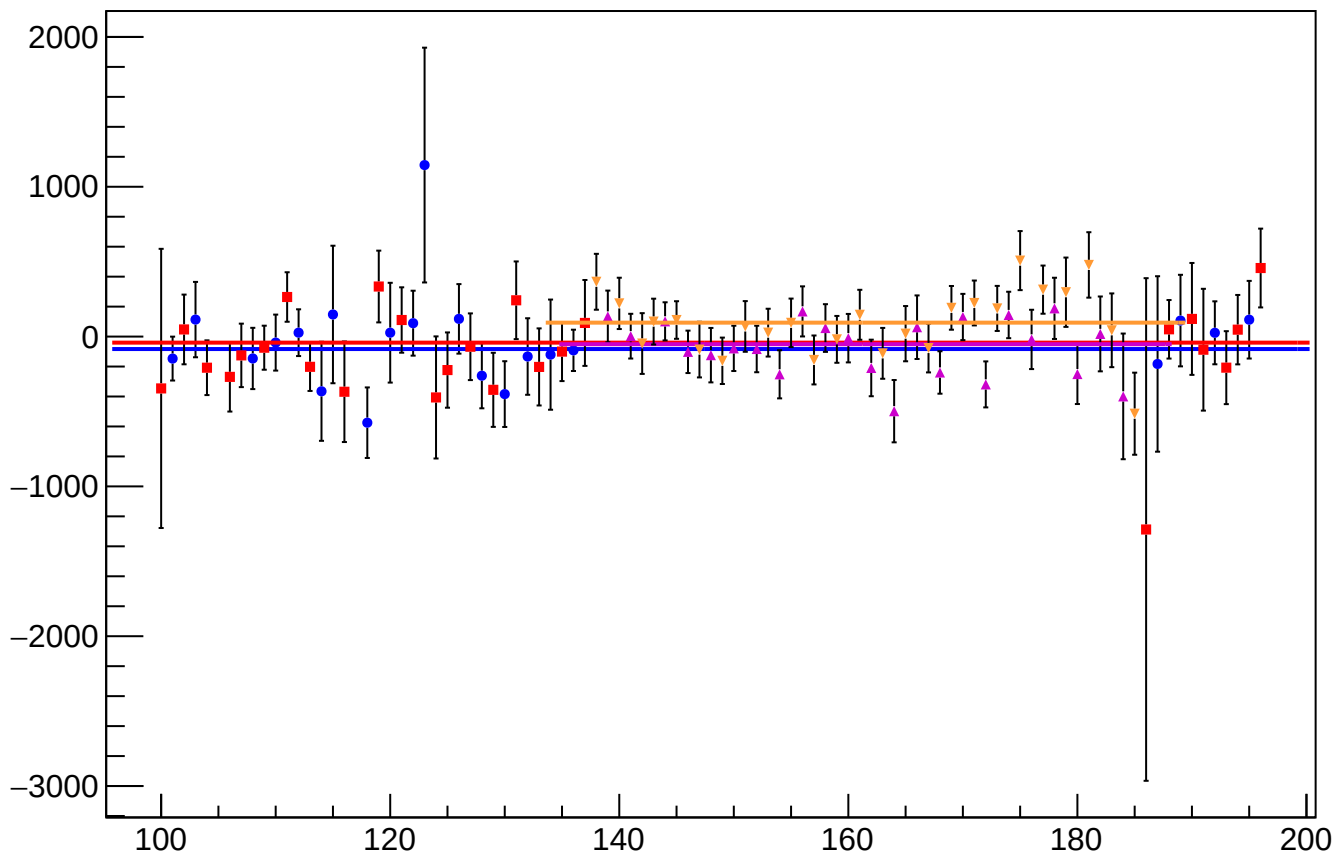
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 586.937 $\pm$ 0.086 χ^2 /NDF: 7331154.7/45

All: 591.718 $\pm$ 0.061 χ^2 /NDF: 16701637.3/94

- sign 596.584 $\pm$ 0.086 χ^2 /NDF: 9364181.4/48

reg_asym_sam_48_avg_mean vs Slug



Right In: -83.183 $\pm$ 49.576 χ^2/NDF : 14.6/20

Left Out: 92.994 $\pm$ 34.054 χ^2/NDF : 29.4/24

Right Out: -40.434 $\pm$ 45.865 χ^2/NDF : 20.6/25

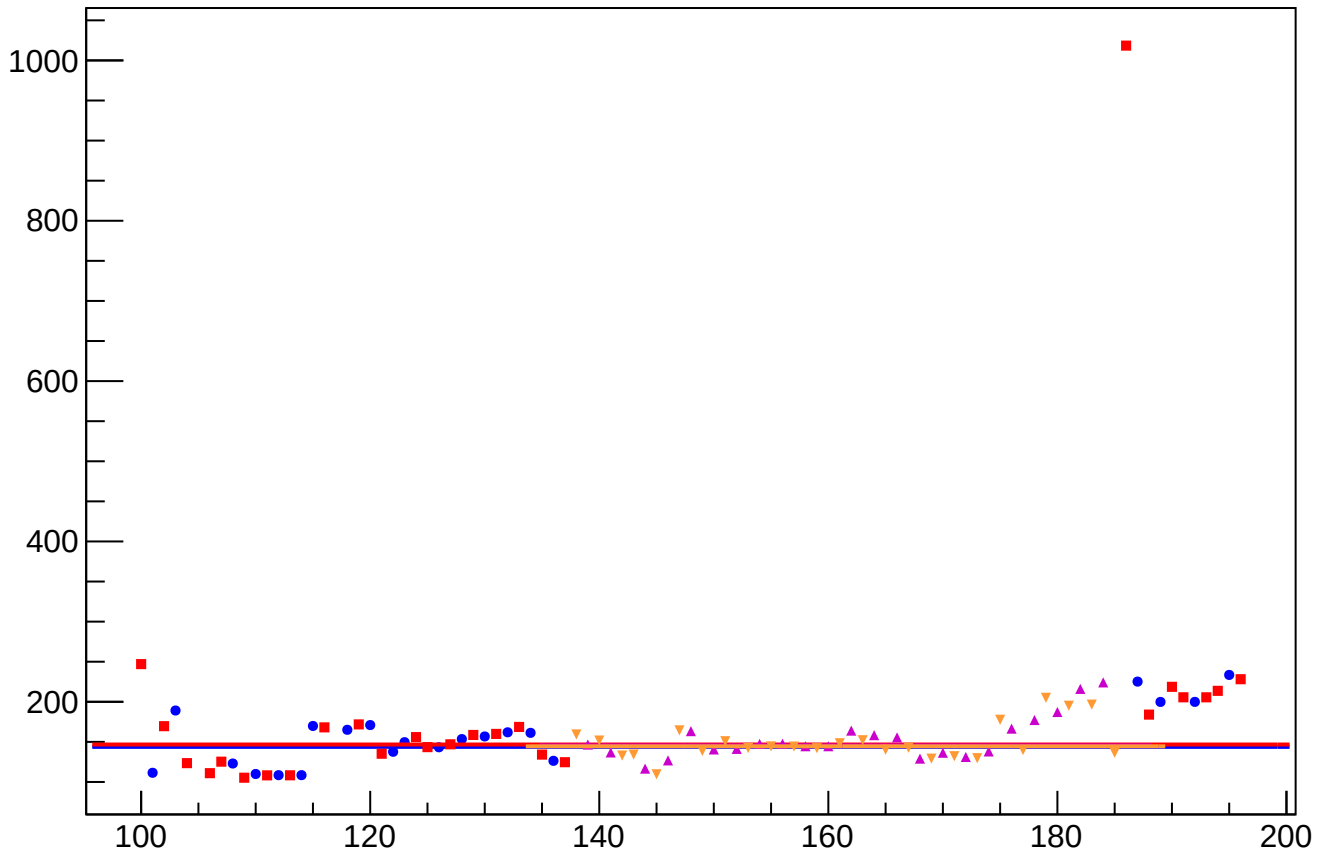
Left In: -50.896 $\pm$ 35.280 χ^2/NDF : 23.5/22

+ sign 36.517 $\pm$ 28.070 χ^2/NDF : 52.6/45

All: -5.402 $\pm$ 19.811 χ^2/NDF : 101.1/94

- sign -47.007 $\pm$ 27.964 χ^2/NDF : 44.1/48

reg_asym_sam_48_avg_rms vs Slug



Right In: 143.804 $\pm$ 0.035 χ^2 /NDF: 957322.0/20

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 146.705 $\pm$ 0.032 χ^2 /NDF: 1810367.9/25

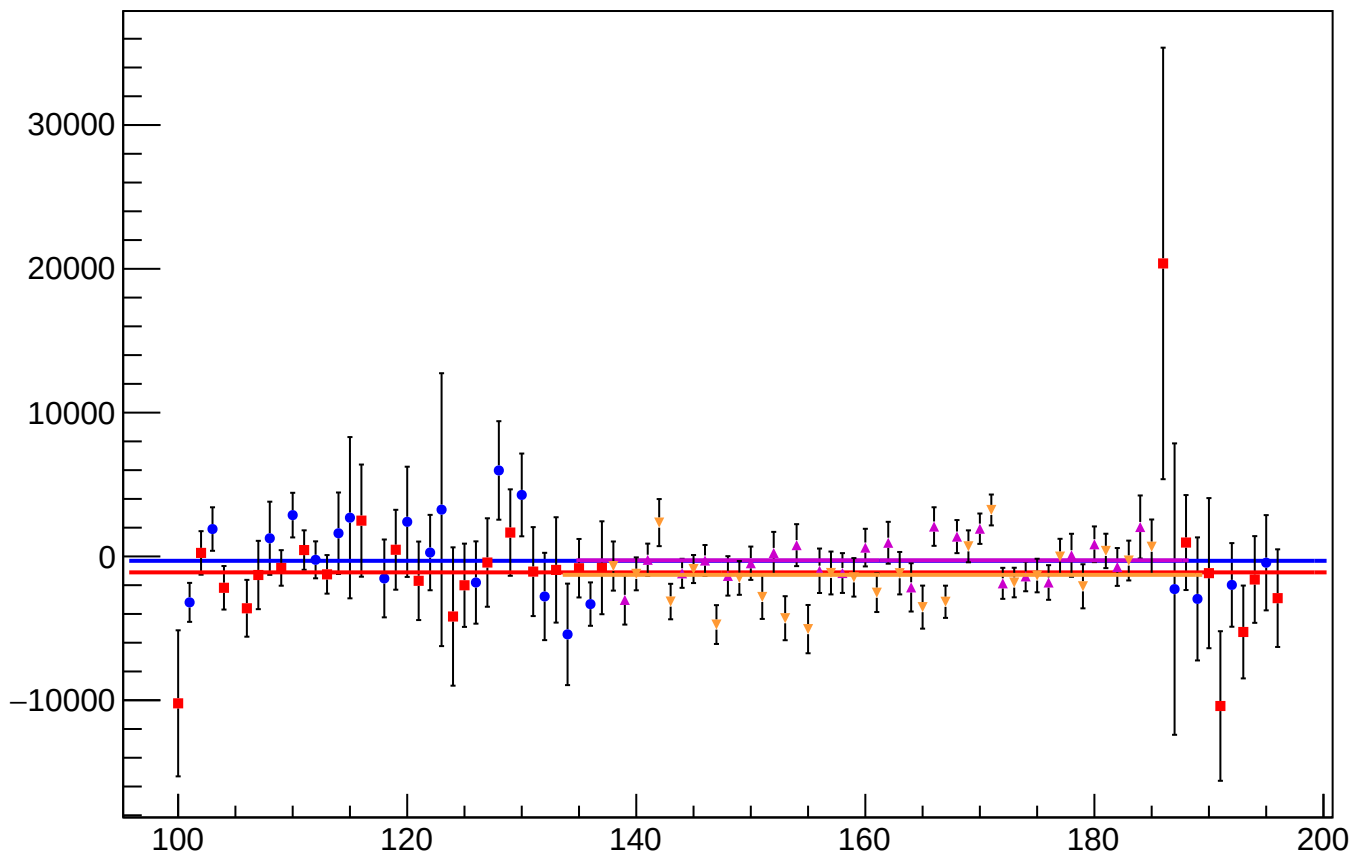
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 144.260 $\pm$ 0.020 χ^2 /NDF: 1628059.5/45

All: 145.118 $\pm$ 0.014 χ^2 /NDF: 4086498.2/94

- sign 145.970 $\pm$ 0.020 χ^2 /NDF: 2454715.4/48

asym_sam_48_avg_correction_mean vs Slug



Right In: -304.848 ± 506.147 χ^2/NDF : 26.6/20

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1108.620 ± 457.656 χ^2/NDF : 17.7/25

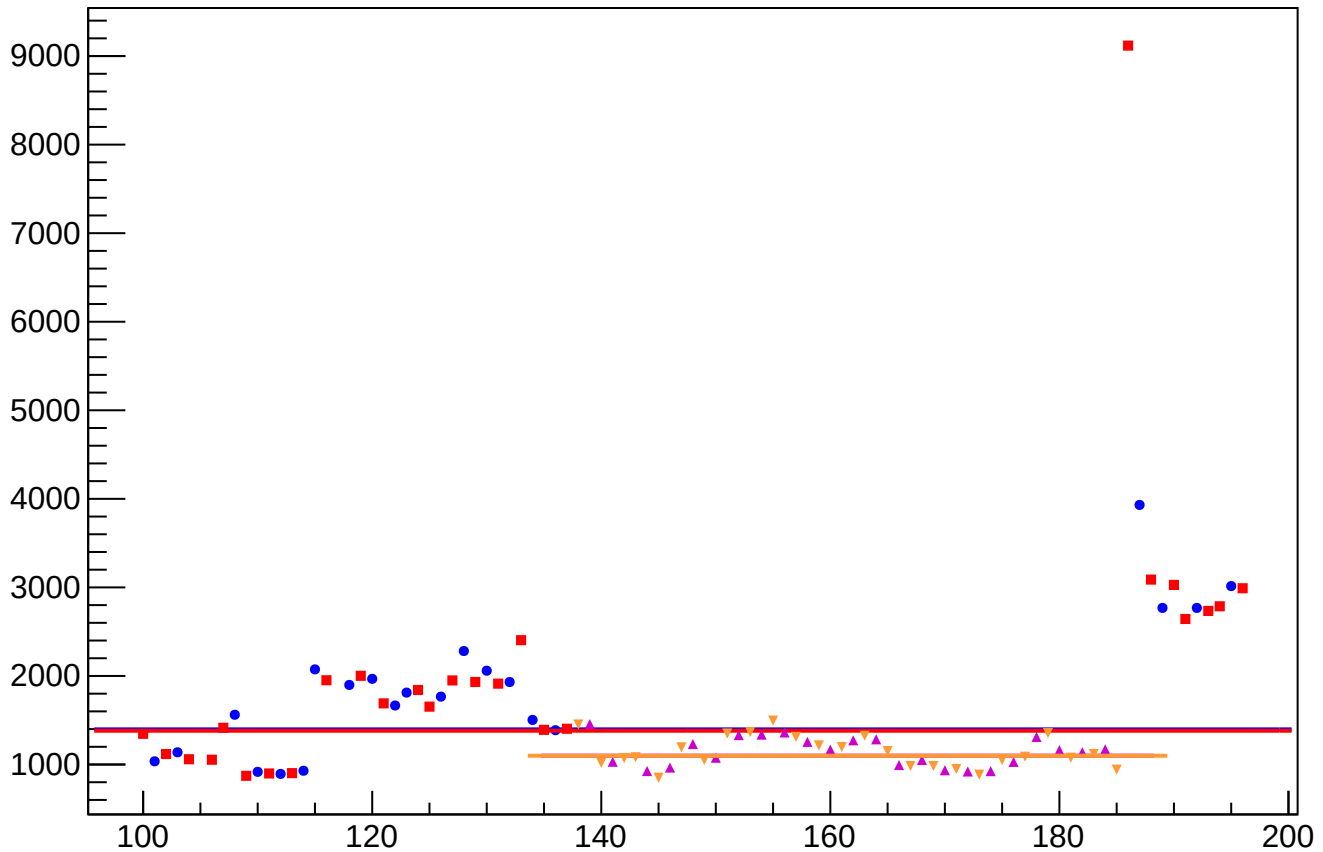
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1076.743 ± 230.777 χ^2/NDF : 85.4/45

All: -778.552 ± 162.957 χ^2/NDF : 133.3/94

- sign -482.020 ± 230.135 χ^2/NDF : 44.5/48

asym_sam_48_avg_correction_rms vs Slug



Right In: 1396.656+/-0.358 χ^2/NDF : 2517068.5/20

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1381.578+/-0.324 χ^2/NDF : 4219860.3/25

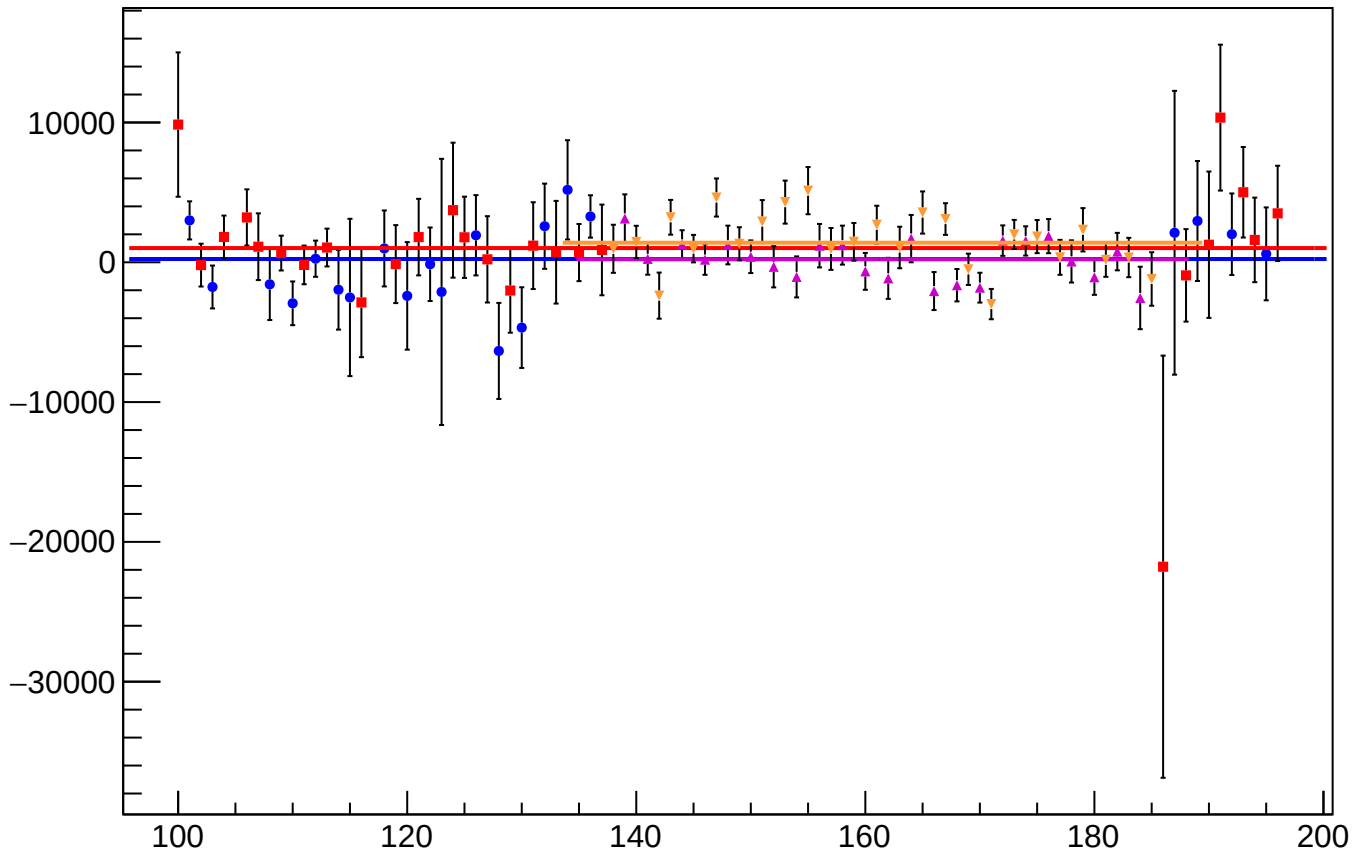
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1160.808+/-0.163 χ^2/NDF : 3889621.2/45

All: 1165.863+/-0.115 χ^2/NDF : 9358613.4/94

- sign 1170.891+/-0.163 χ^2/NDF : 5467077.9/48

asym_sam_48_avg_mean vs Slug



Right In: 234.119 ± 509.311 χ^2/NDF : 26.2/20

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 1017.234 ± 460.950 χ^2/NDF : 16.5/25

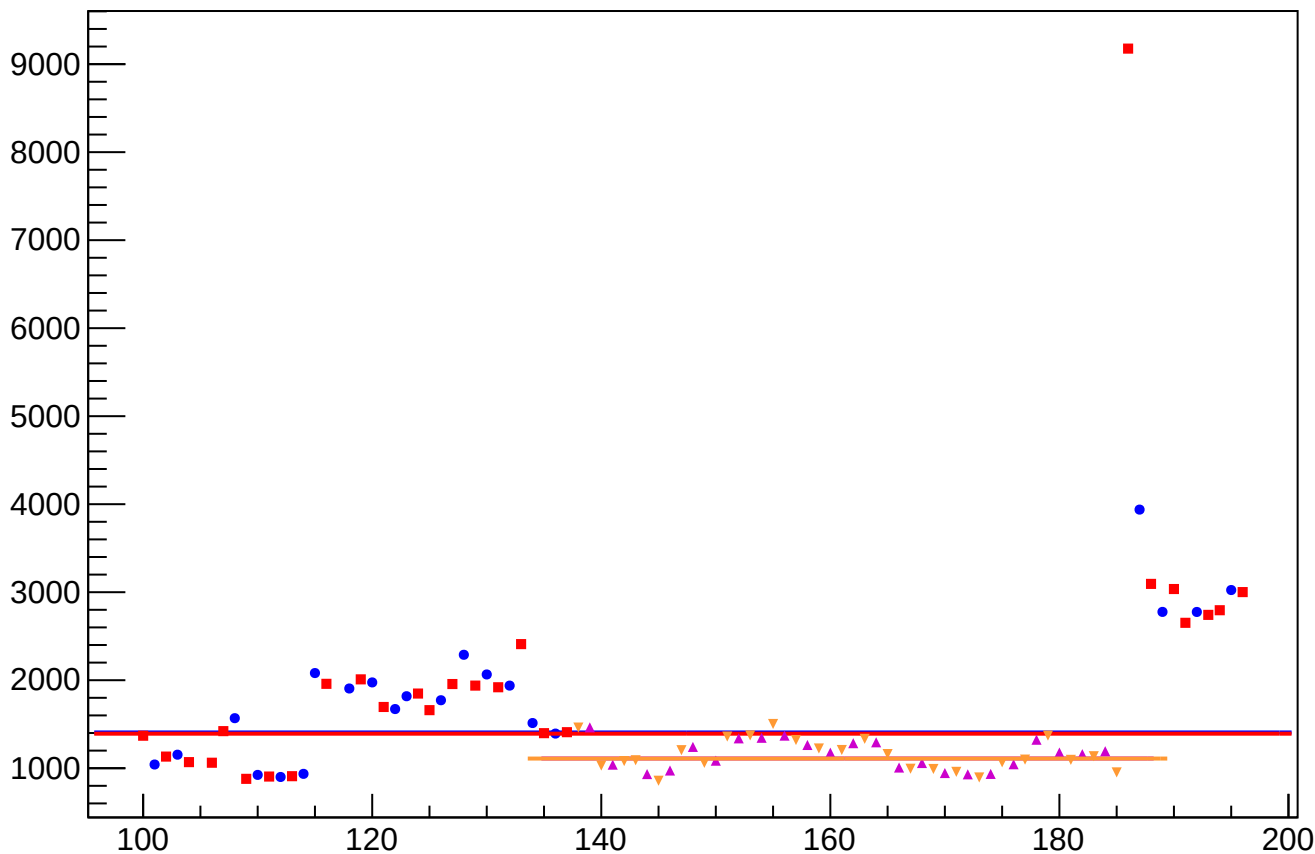
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1156.685 ± 232.843 χ^2/NDF : 82.6/45

All: 788.342 ± 164.430 χ^2/NDF : 131.3/94

- sign 421.914 ± 232.237 χ^2/NDF : 43.8/48

asym_sam_48_avg_rms vs Slug



Right In: 1406.474+/-0.360 χ^2/NDF : 2494641.7/20

Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24

Right Out: 1392.455+/-0.326 χ^2/NDF : 4185964.3/25

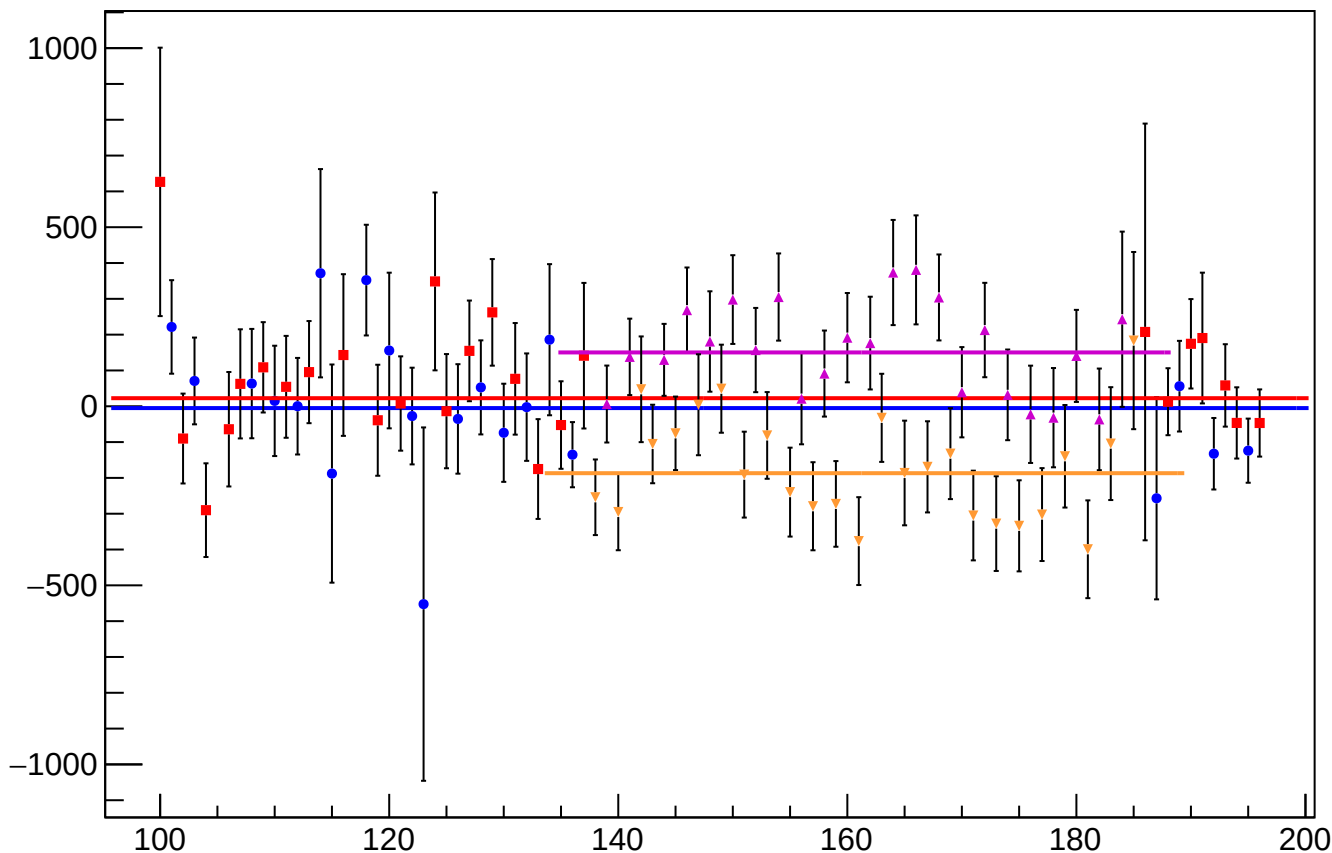
Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

+ sign 1171.776+/-0.165 χ^2/NDF : 3843736.9/45

All: 1176.952+/-0.116 χ^2/NDF : 9259801.2/94

- sign 1182.102+/-0.164 χ^2/NDF : 5414092.7/48

reg_asym_sam_15_dd_mean vs Slug



Right In: -5.054 ± 30.814 χ^2/NDF : 20.6/20

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: 22.576 ± 27.434 χ^2/NDF : 22.4/25

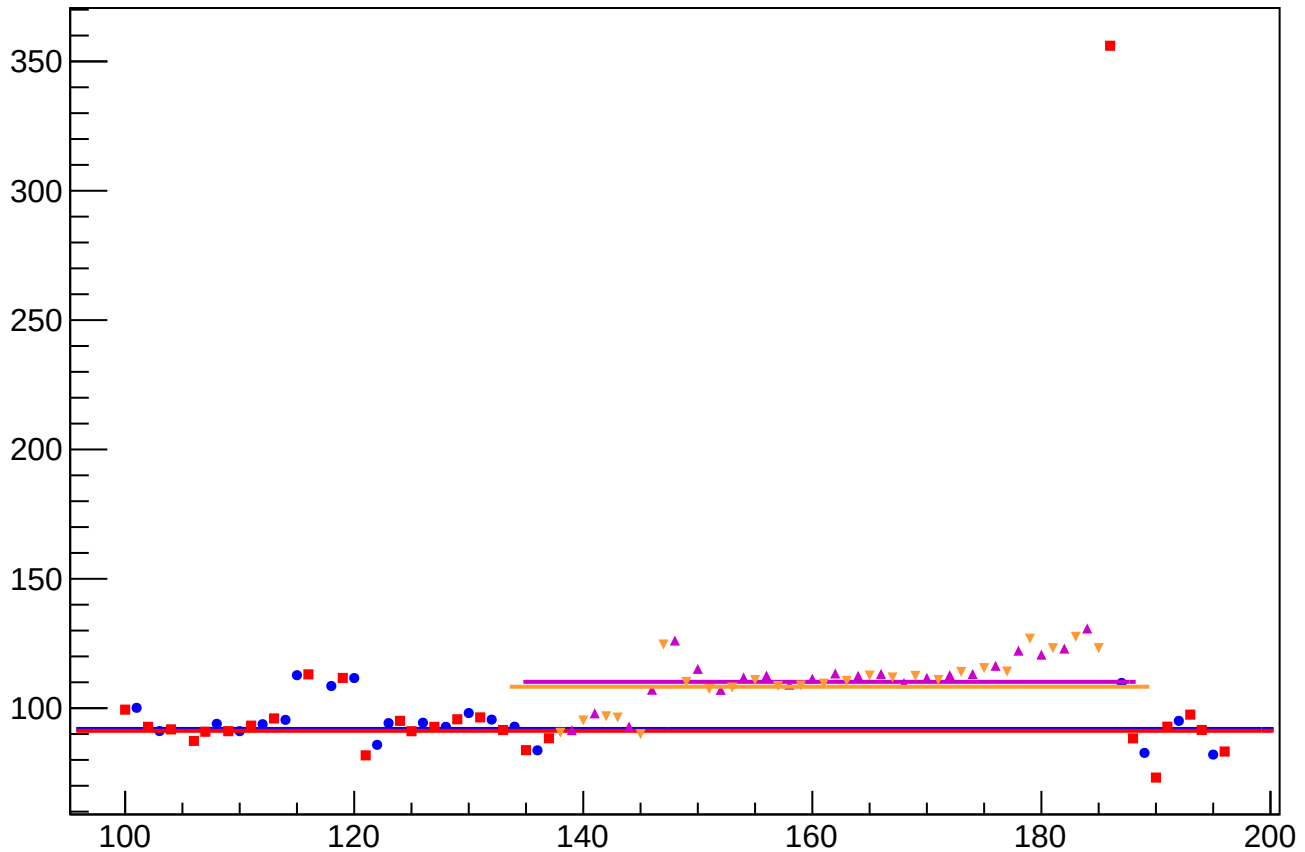
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -113.610 ± 19.557 χ^2/NDF : 68.0/45

All: -9.695 ± 13.642 χ^2/NDF : 177.3/94

- sign 88.791 ± 19.040 χ^2/NDF : 54.3/48

reg_asym_sam_15_dd_rms vs Slug



Right In: 91.972 $\pm$ 0.022 χ^2 /NDF: 129309.5/20

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 91.251 $\pm$ 0.019 χ^2 /NDF: 560536.8/25

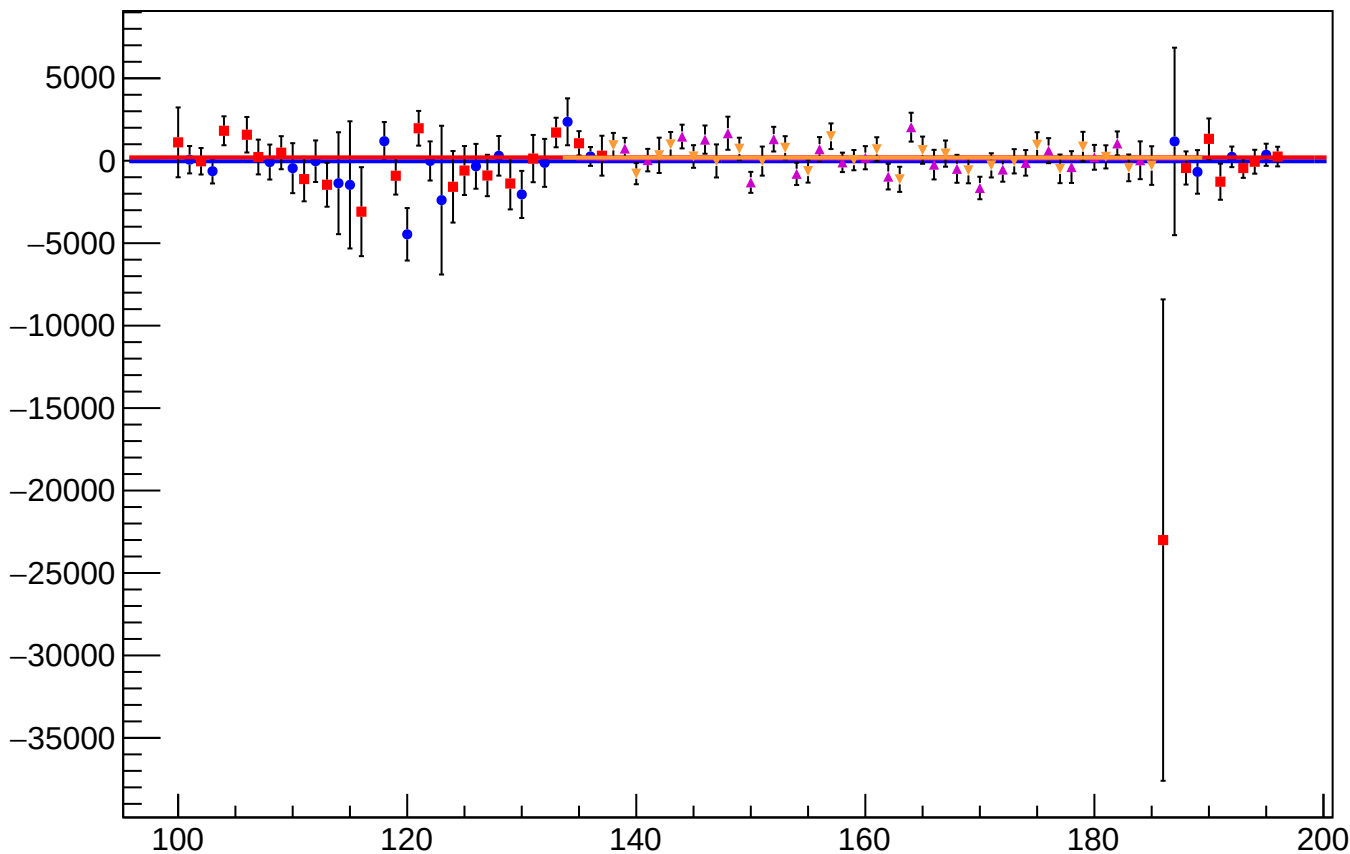
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 101.715 $\pm$ 0.014 χ^2 /NDF: 794846.2/45

All: 101.379 $\pm$ 0.010 χ^2 /NDF: 2096668.4/94

- sign 101.060 $\pm$ 0.013 χ^2 /NDF: 1300669.2/48

asym_sam_15_dd_correction_mean vs Slug



Right In: -33.181 ± 233.009 χ^2/NDF : 16.2/20

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 204.195 ± 201.055 χ^2/NDF : 26.9/25

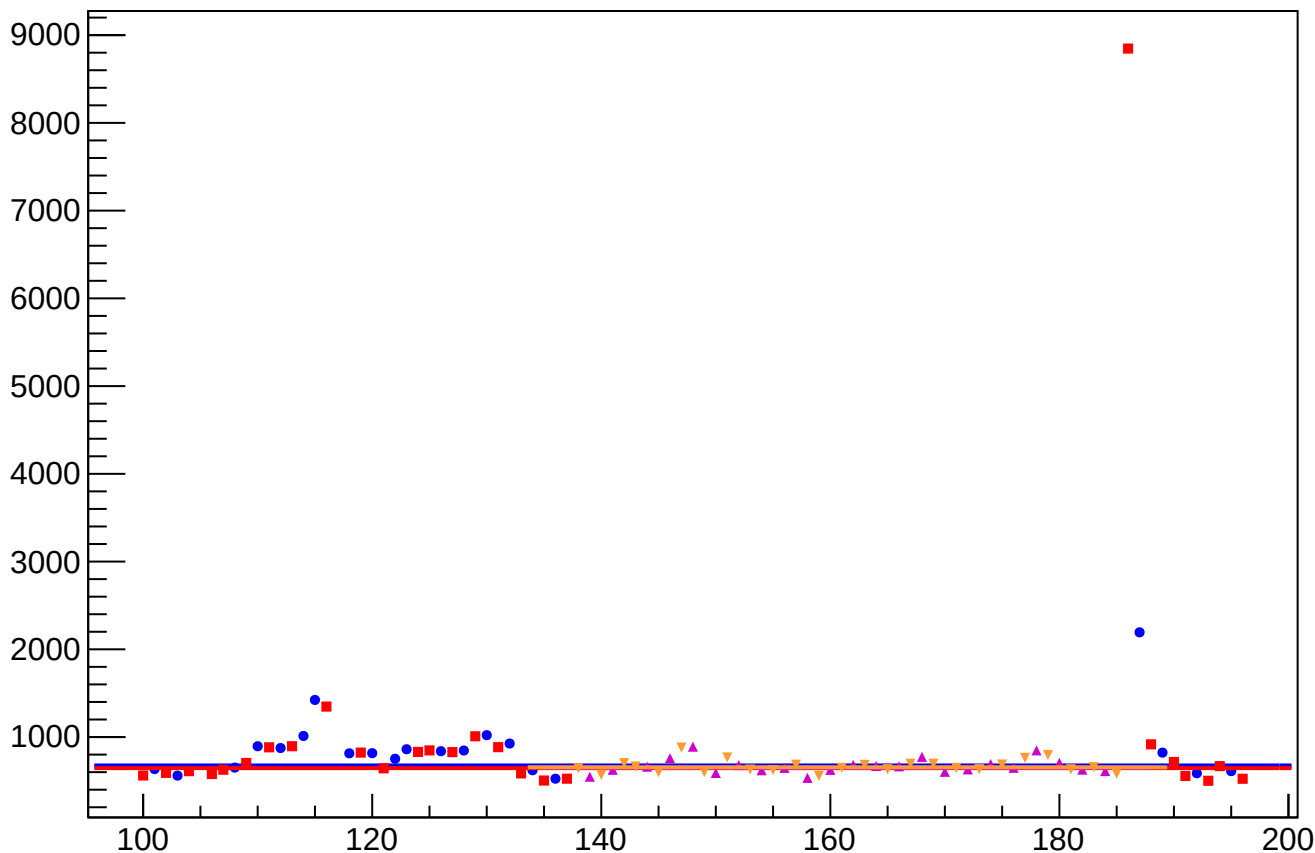
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 119.133 ± 128.291 χ^2/NDF : 35.2/45

All: 138.937 ± 89.092 χ^2/NDF : 98.5/94

- sign 157.383 ± 123.818 χ^2/NDF : 63.2/48

asym_sam_15_dd_correction_rms vs Slug



Right In: 676.273 $\pm$ 0.165 χ^2 /NDF: 912943.5/20

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 645.918 $\pm$ 0.142 χ^2 /NDF: 1702958.6/25

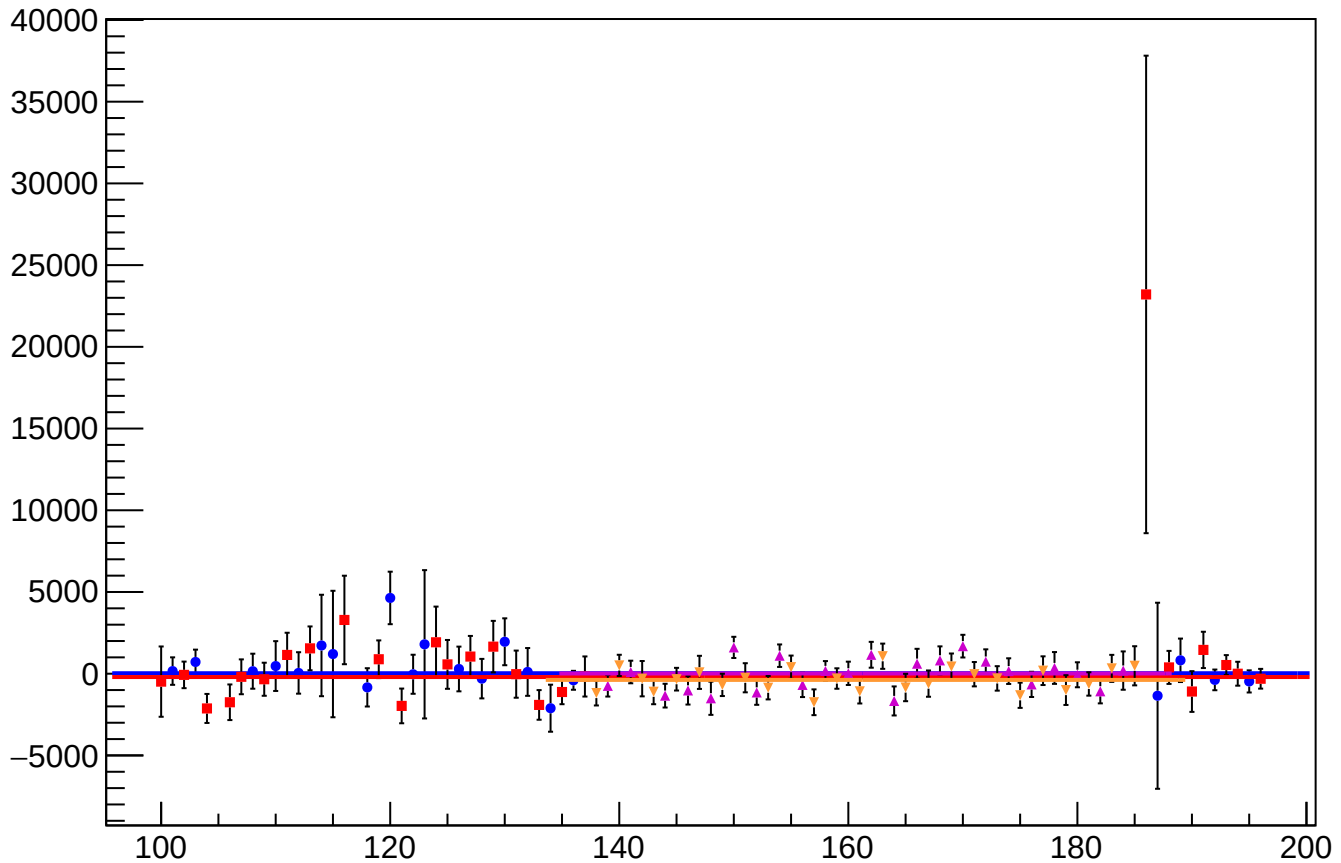
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 661.557 $\pm$ 0.091 χ^2 /NDF: 1291740.8/45

All: 655.056 $\pm$ 0.063 χ^2 /NDF: 3471492.9/94

- sign 649.000 $\pm$ 0.088 χ^2 /NDF: 2169832.4/48

asym_sam_15_dd_mean vs Slug



Right In: 29.707 ± 235.408 χ^2/NDF : 16.3/20

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -204.169 ± 203.361 χ^2/NDF : 30.7/25

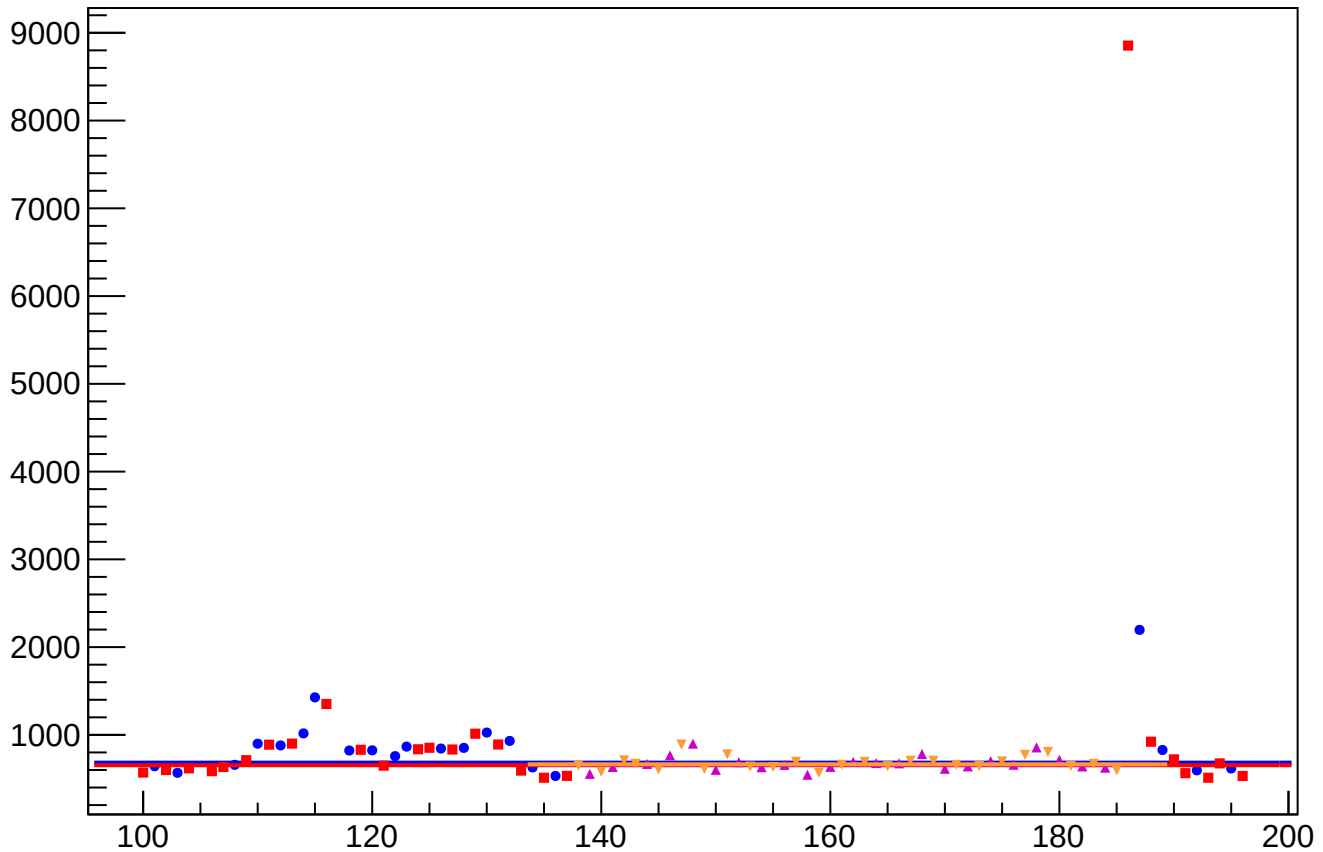
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -254.733 ± 129.976 χ^2/NDF : 37.2/45

All: -158.427 ± 90.286 χ^2/NDF : 106.9/94

- sign -68.626 ± 125.509 χ^2/NDF : 68.6/48

asym_sam_15_dd_rms vs Slug



Right In: 683.757 ± 0.166 χ^2/NDF : 892066.5/20

Left Out: 664.773 ± 0.110 χ^2/NDF : 357053.8/24

Right Out: 654.011 ± 0.144 χ^2/NDF : 1669802.6/25

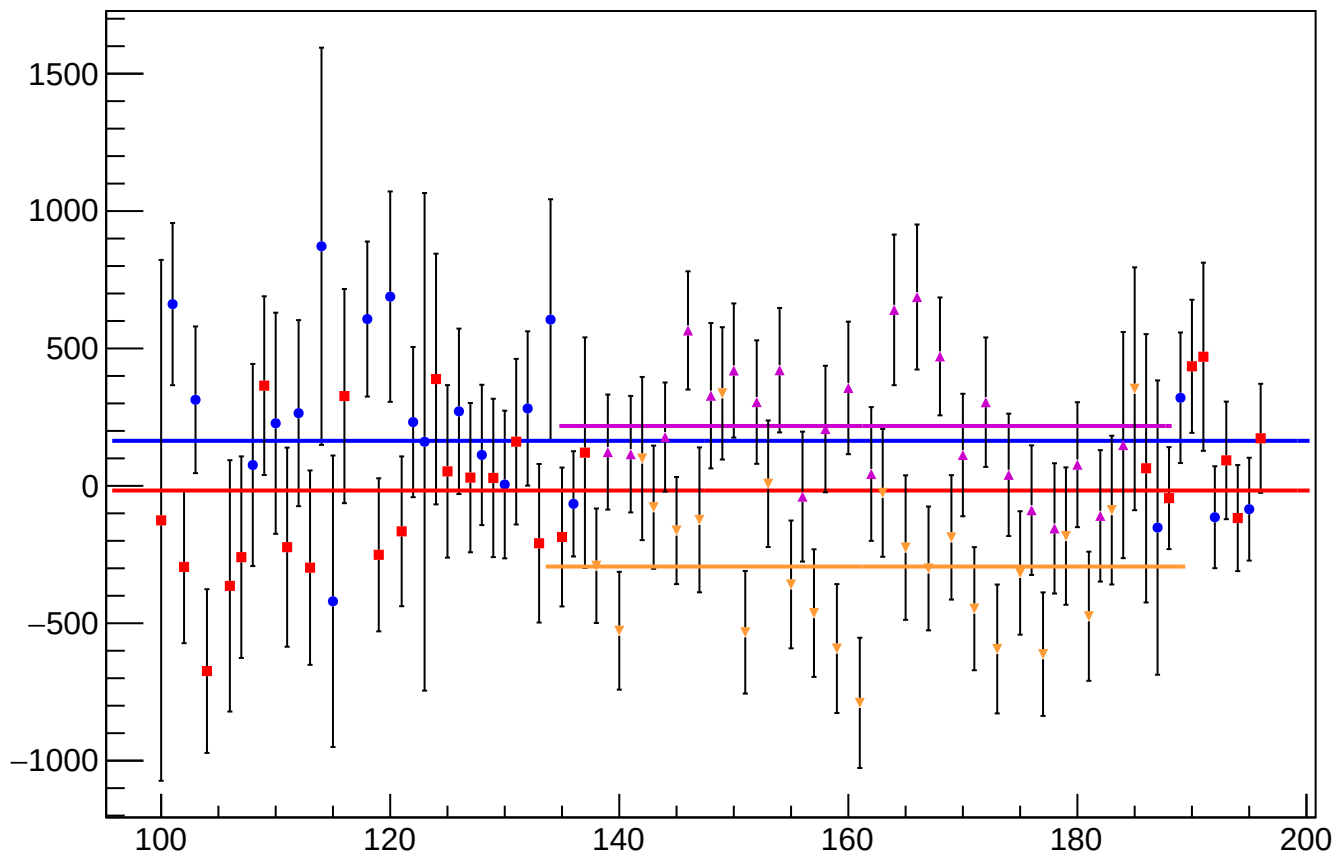
Left In: 660.890 ± 0.113 χ^2/NDF : 449180.0/22

+ sign 670.560 ± 0.092 χ^2/NDF : 1258162.4/45

All: 664.200 ± 0.064 χ^2/NDF : 3387815.3/94

- sign 658.270 ± 0.089 χ^2/NDF : 2120399.5/48

reg_asym_sam_26_dd_mean vs Slug



Right In: 163.878 $\pm$ 63.057 χ^2 /NDF: 17.8/20

Left Out: -293.590 $\pm$ 47.203 χ^2 /NDF:30.3/24

Right Out: -16.936 $\pm$ 56.480 χ^2 /NDF: 20.3/25

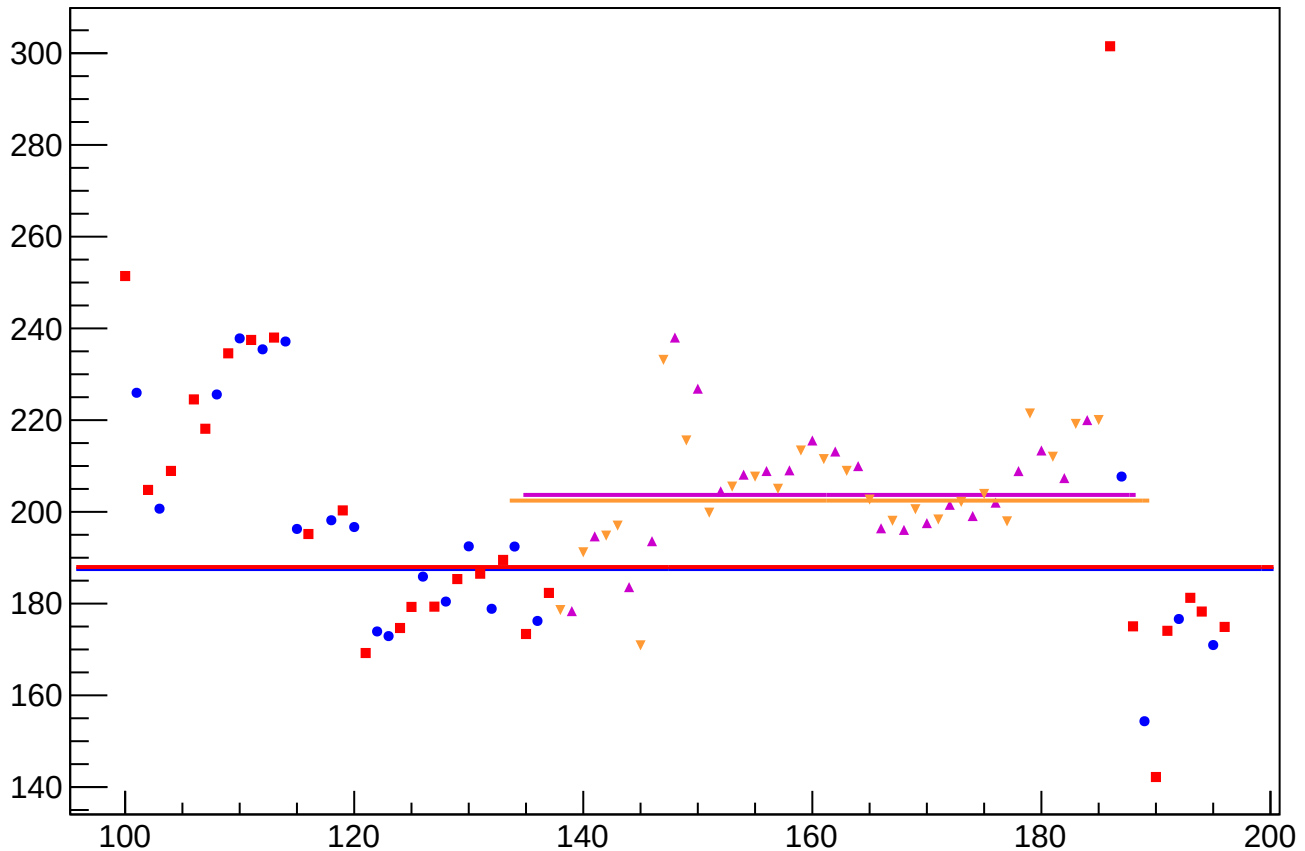
Left In: 217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

+ sign -129.304 $\pm$ 37.788 χ^2 /NDF: 81.9/45

All: -3.074 $\pm$ 26.413 χ^2 /NDF: 155.2/94

- sign 117.515 $\pm$ 36.934 χ^2 /NDF: 51.5/48

reg_asym_sam_26_dd_rms vs Slug



Right In: 187.532 $\pm$ 0.045 χ^2 /NDF: 226760.7/20

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 187.971 $\pm$ 0.040 χ^2 /NDF: 405901.9/25

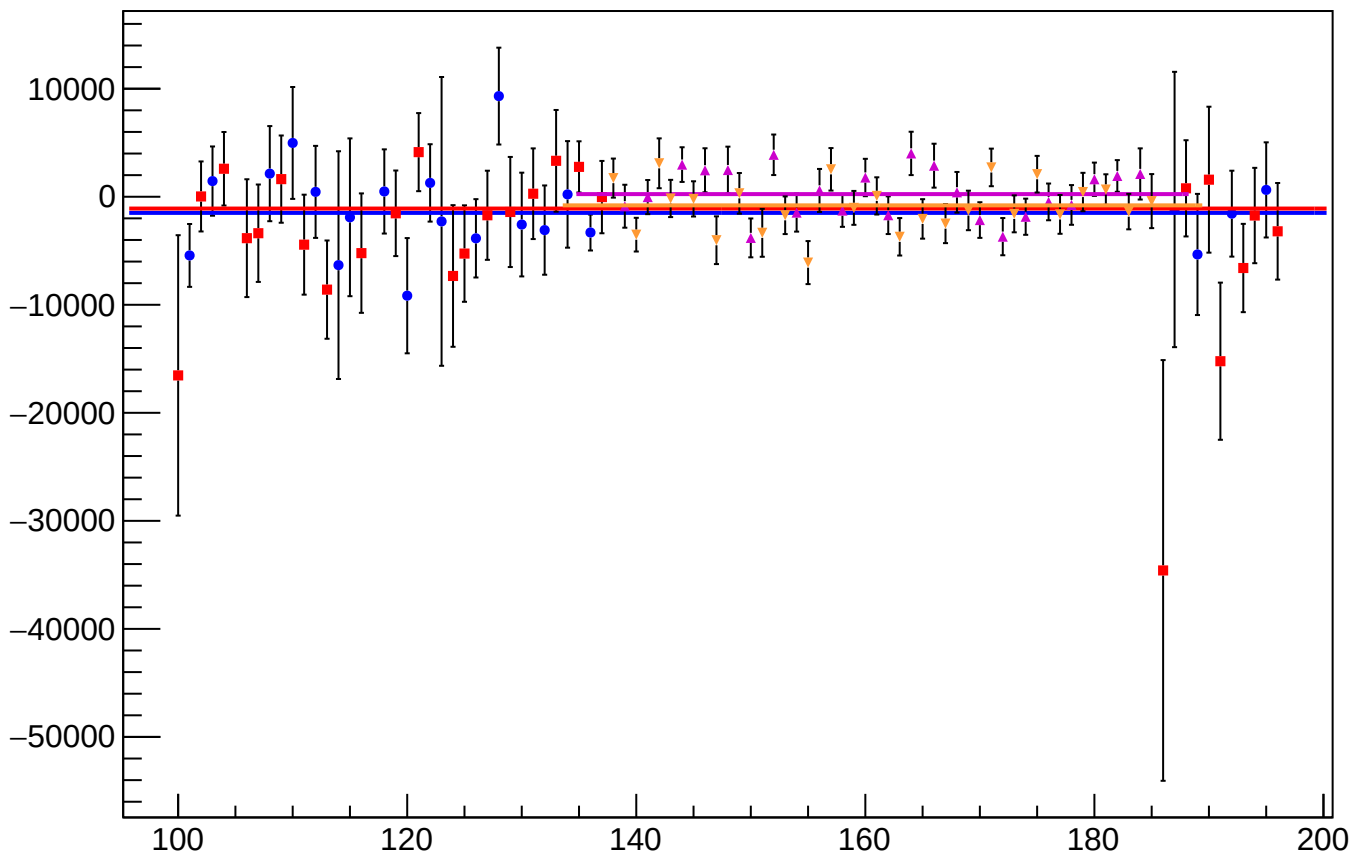
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 197.098 $\pm$ 0.027 χ^2 /NDF: 457165.2/45

All: 197.034 $\pm$ 0.019 χ^2 /NDF: 1088041.4/94

- sign 196.973 $\pm$ 0.026 χ^2 /NDF: 630865.0/48

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.477 ± 859.514 χ^2/NDF : 16.7/20

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1091.941 ± 846.597 χ^2/NDF : 24.2/25

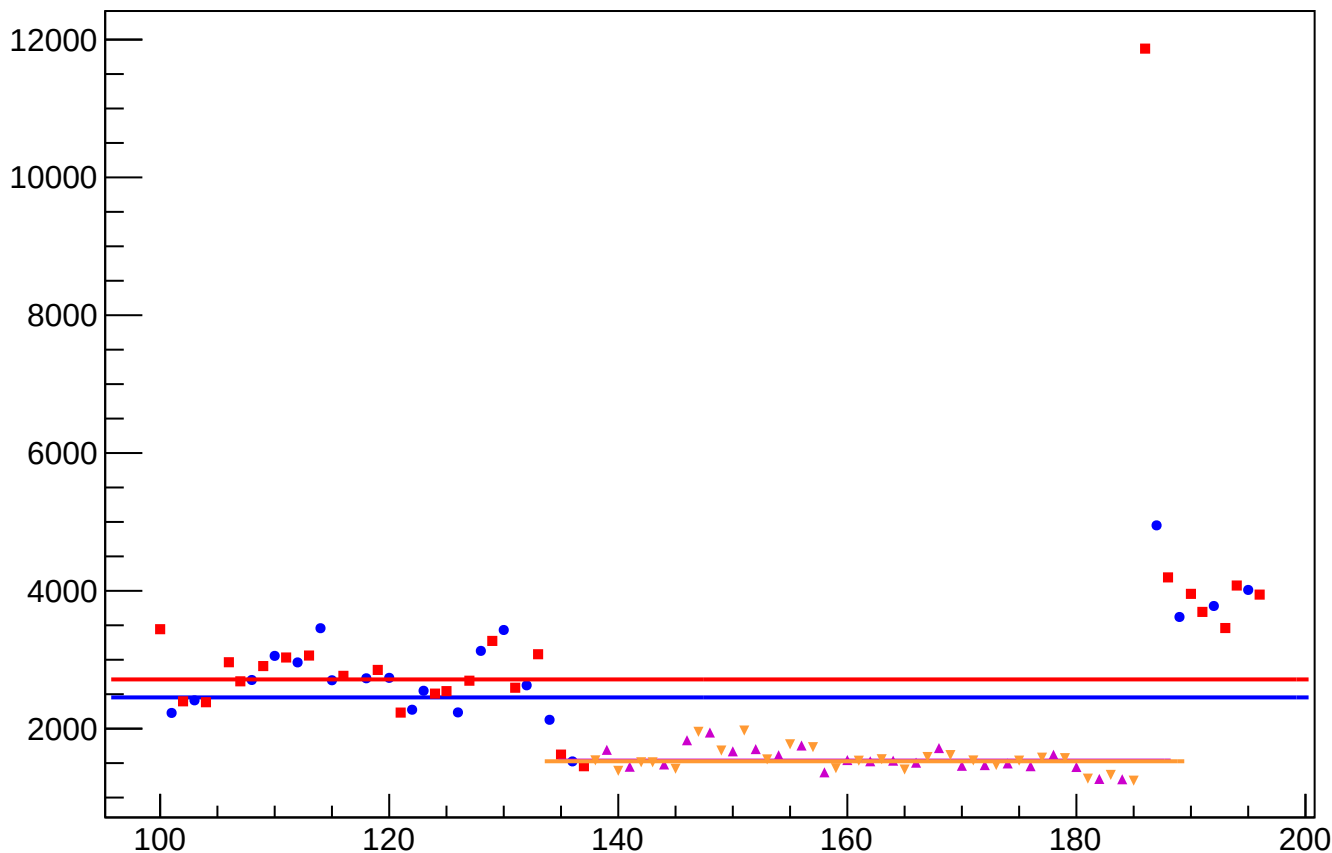
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -899.490 ± 330.362 χ^2/NDF : 53.0/45

All: -446.222 ± 236.568 χ^2/NDF : 118.9/94

- sign 30.824 ± 338.917 χ^2/NDF : 62.0/48

asym_sam_26_dd_correction_rms vs Slug



Right In: 2453.547 $\pm$ 0.608 χ^2 /NDF: 1522286.8/20

Left Out: 1526.712 $\pm$ 0.253 χ^2 /NDF:394892.7/24

Right Out: 2714.561 $\pm$ 0.599 χ^2 /NDF: 2039095.8/25

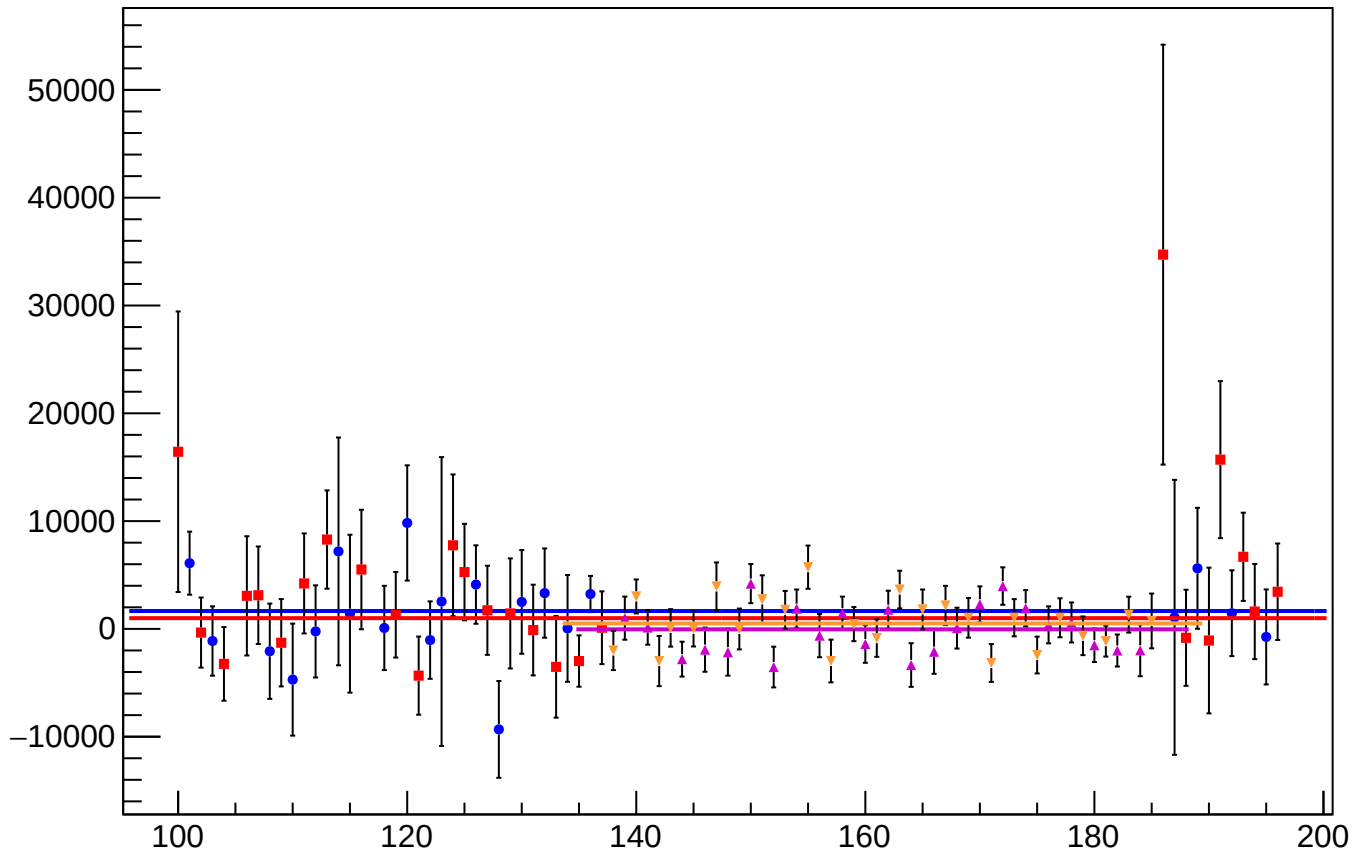
Left In: 1536.538 $\pm$ 0.262 χ^2 /NDF:350373.3/22

+ sign 1663.635 $\pm$ 0.234 χ^2 /NDF: 3899188.1/45

All: 1693.695 $\pm$ 0.167 χ^2 /NDF: 9574474.8/94

- sign 1725.331 $\pm$ 0.240 χ^2 /NDF: 5641301.4/48

asym_sam_26_dd_mean vs Slug



Right In: 1656.835 $\pm$ 862.979 χ^2 /NDF: 17.2/20

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 997.507 $\pm$ 849.583 χ^2 /NDF: 25.1/25

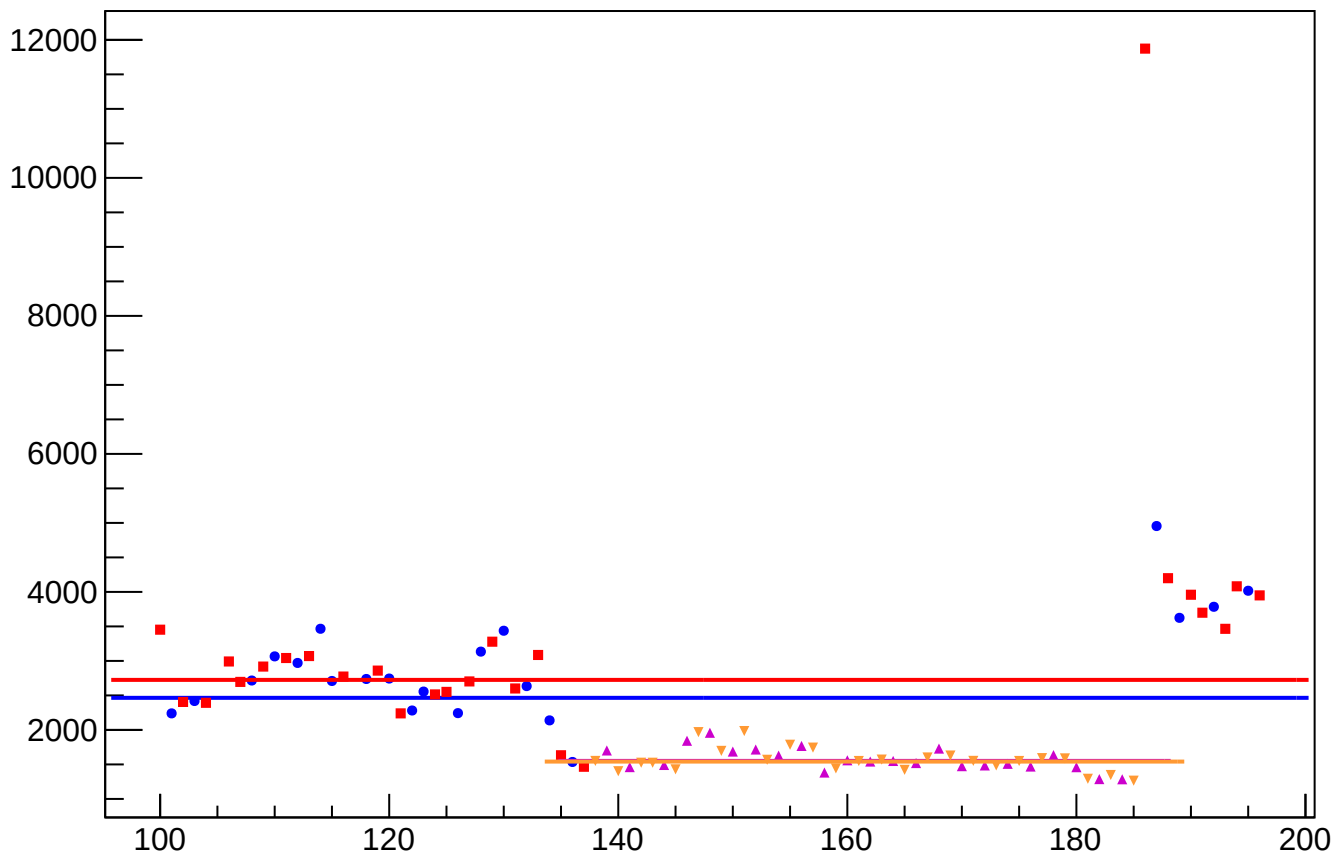
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 679.218 $\pm$ 333.170 χ^2 /NDF: 54.1/45

All: 410.503 $\pm$ 238.557 χ^2 /NDF: 115.4/94

- sign 127.796 $\pm$ 341.734 χ^2 /NDF: 59.9/48

asym_sam_26_dd_rms vs Slug



Right In: 2465.048 $\pm$ 0.610 χ^2 /NDF: 1502337.9/20

Left Out: 1541.258 $\pm$ 0.255 χ^2 /NDF: 382045.4/24

Right Out: 2725.070 $\pm$ 0.601 χ^2 /NDF: 2020135.3/25

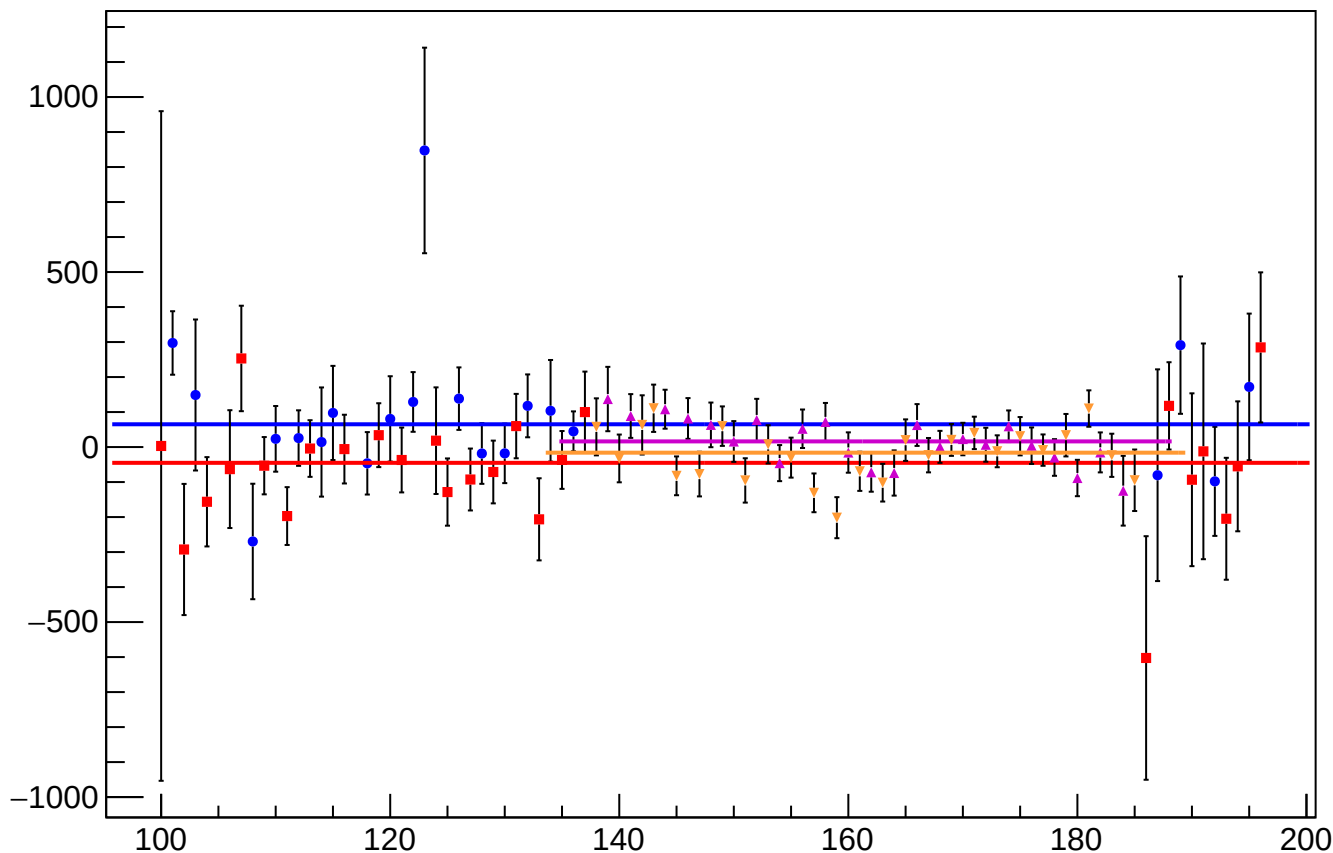
Left In: 1551.063 $\pm$ 0.264 χ^2 /NDF: 338898.9/22

+ sign 1678.949 $\pm$ 0.236 χ^2 /NDF: 3834582.5/45

All: 1709.193 $\pm$ 0.169 χ^2 /NDF: 9428611.7/94

- sign 1741.011 $\pm$ 0.242 χ^2 /NDF: 5560210.4/48

reg_asym_sam_37_dd_mean vs Slug



Right In: 65.082 ± 23.142 χ^2/NDF : 26.7/20

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -45.069 ± 22.594 χ^2/NDF : 24.6/25

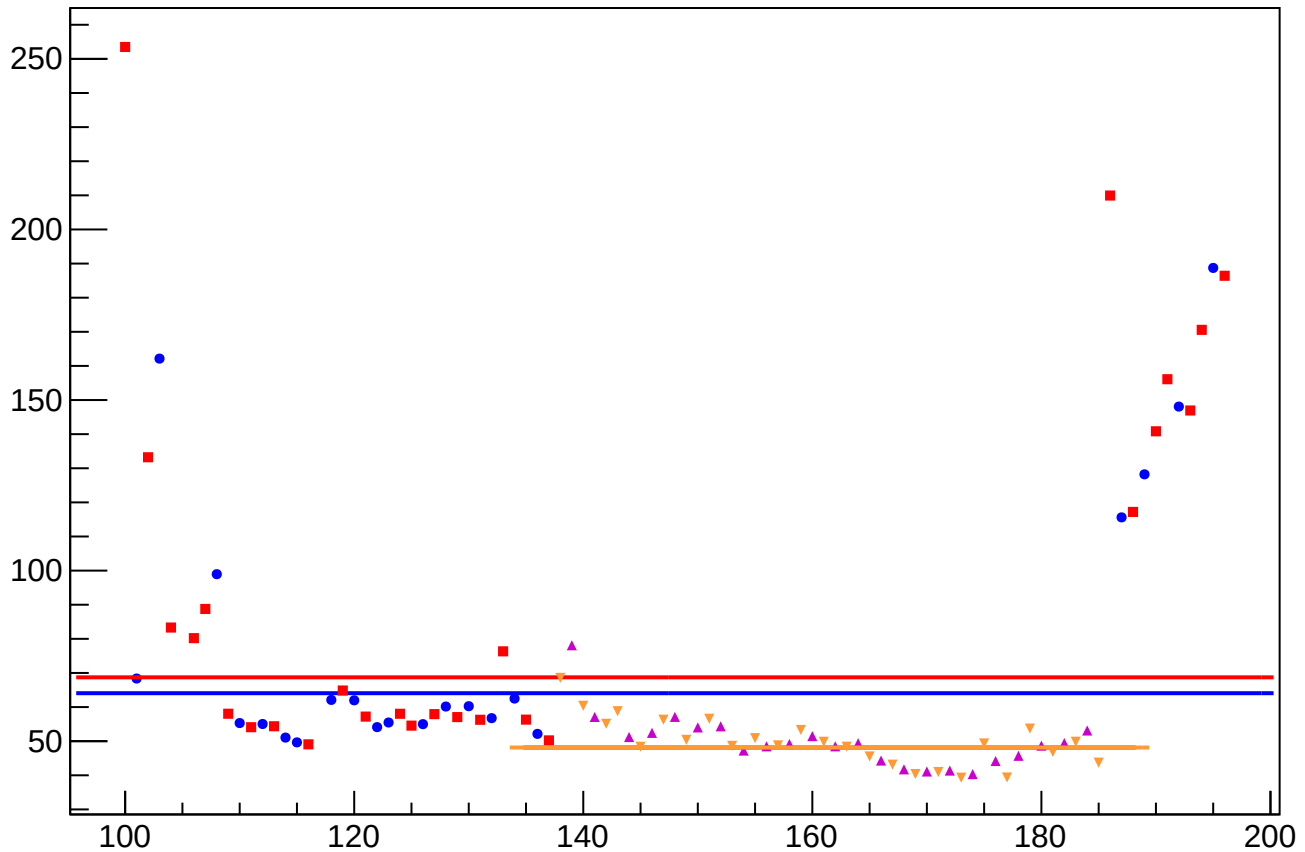
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -0.341 ± 10.183 χ^2/NDF : 76.3/45

All: 1.451 ± 7.260 χ^2/NDF : 132.0/94

- sign 3.302 ± 10.354 χ^2/NDF : 55.7/48

reg_asym_sam_37_dd_rms vs Slug



Right In: 64.065+/-0.016 χ^2/NDF : 2309458.6/20

Left Out: 48.141+/-0.008 χ^2/NDF : 655250.3/24

Right Out: 68.716+/-0.016 χ^2/NDF : 3487003.3/25

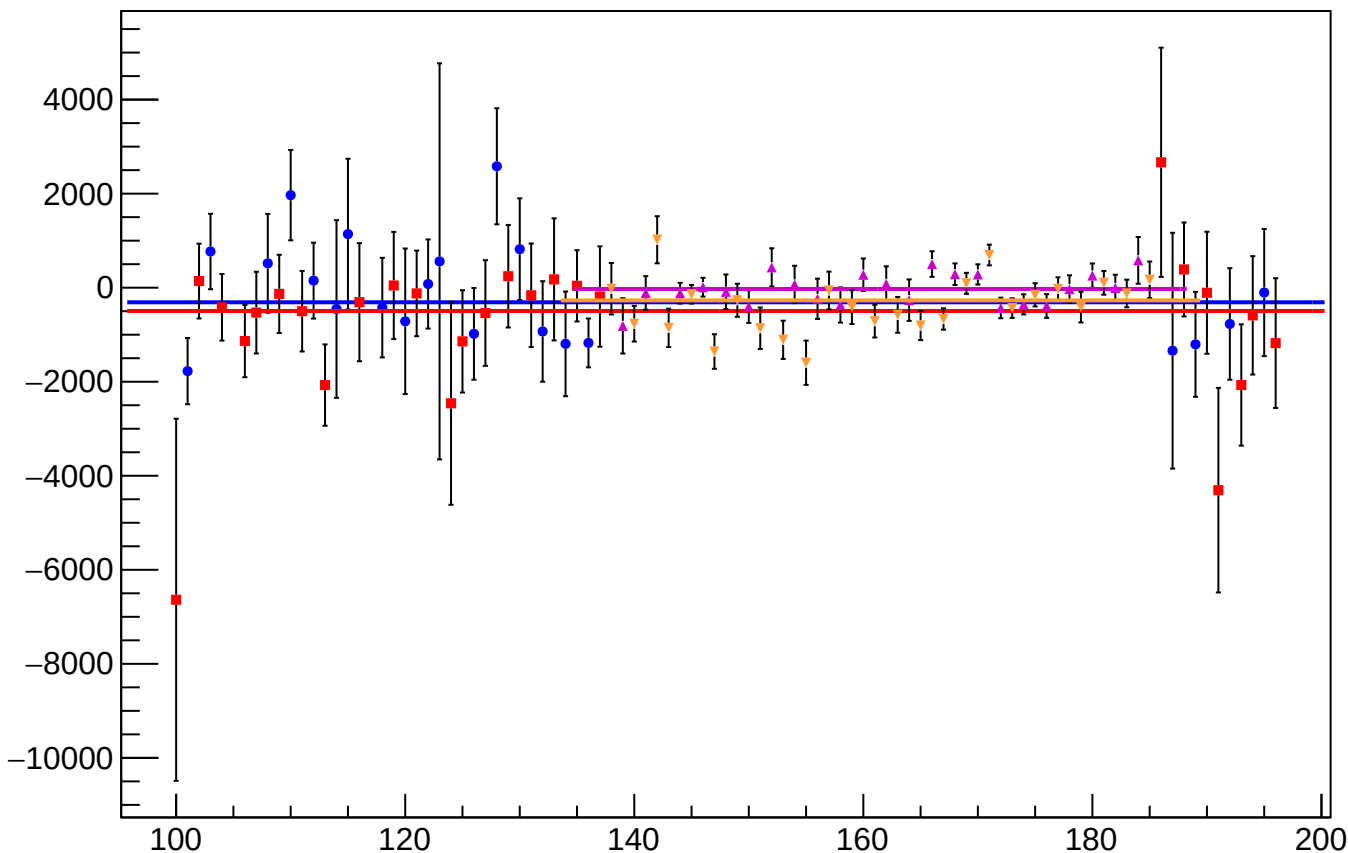
Left In: 48.139+/-0.008 χ^2/NDF : 575025.5/22

+ sign 51.224+/-0.007 χ^2/NDF : 3728387.9/45

All: 51.832+/-0.005 χ^2/NDF : 9115409.4/94

- sign 52.461+/-0.007 χ^2/NDF : 5372521.2/48

asym_sam_37_dd_correction_mean vs Slug



Right In: -310.494 ± 221.354 χ^2/NDF : 25.6/20

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -495.575 ± 204.651 χ^2/NDF : 17.8/25

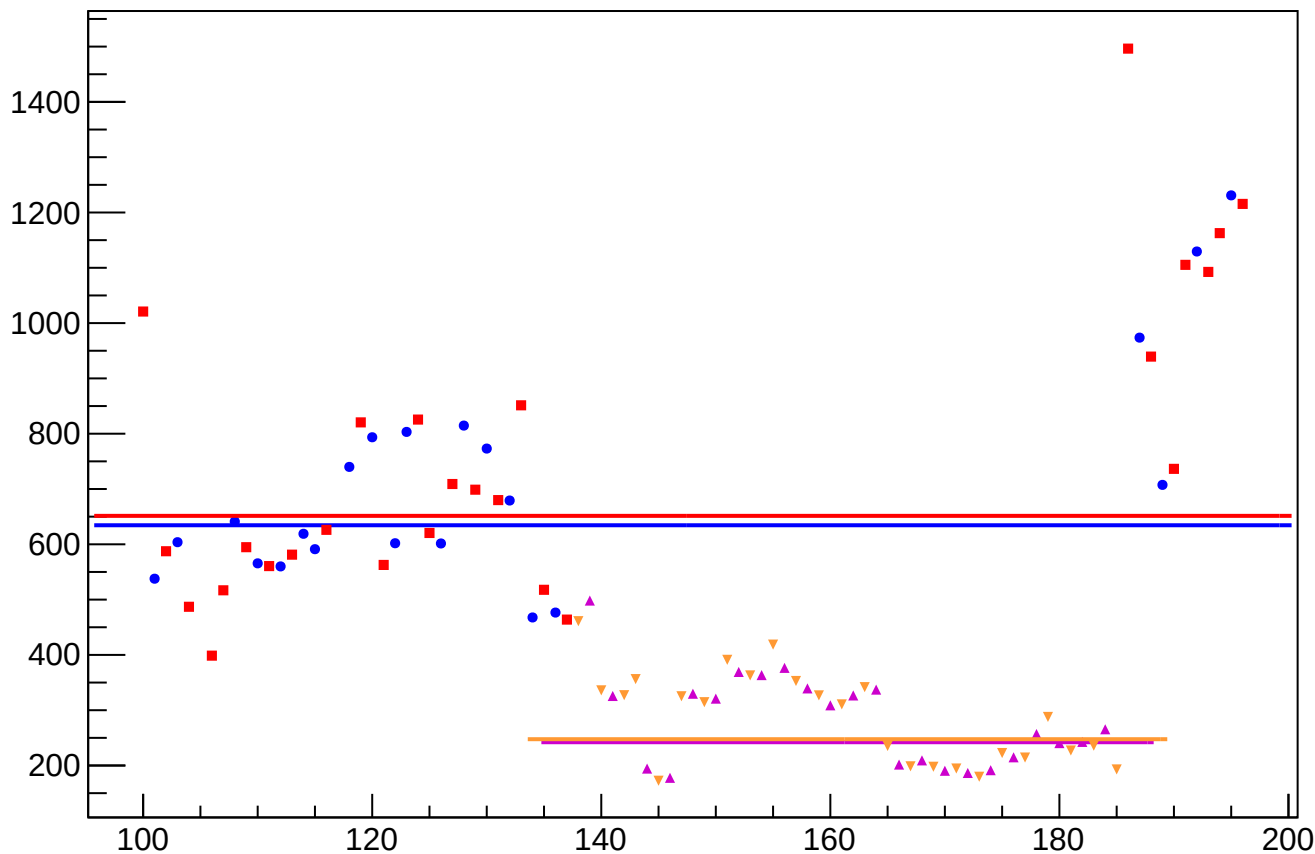
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -272.986 ± 58.070 χ^2/NDF : 95.7/45

All: -168.704 ± 41.021 χ^2/NDF : 149.8/94

- sign -64.829 ± 57.956 χ^2/NDF : 47.6/48

asym_sam_37_dd_correction_rms vs Slug



Right In: 634.446 $\pm$ 0.157 χ^2 /NDF: 1209271.9/20

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 651.446 $\pm$ 0.145 χ^2 /NDF: 2108014.4/25

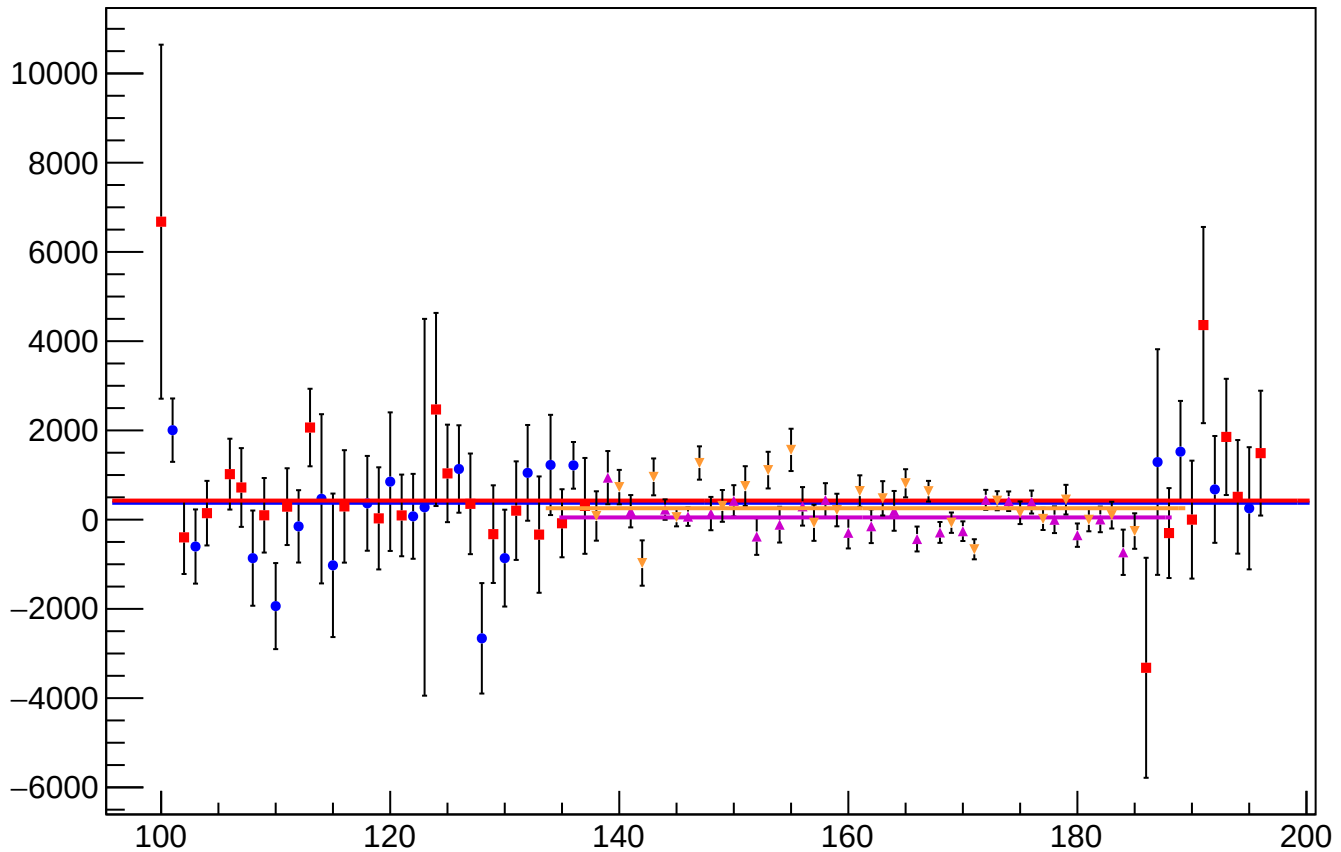
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 274.196 $\pm$ 0.041 χ^2 /NDF: 9679163.0/45

All: 274.571 $\pm$ 0.029 χ^2 /NDF: 21612855.2/94

- sign 274.945 $\pm$ 0.041 χ^2 /NDF: 11933525.4/48

asym_sam_37_dd_mean vs Slug



Right In: 377.835 ± 223.347 χ^2/NDF : 27.8/20

Left Out: 255.995 ± 61.418 χ^2/NDF : 63.6/24

Right Out: 427.374 ± 207.001 χ^2/NDF : 18.7/25

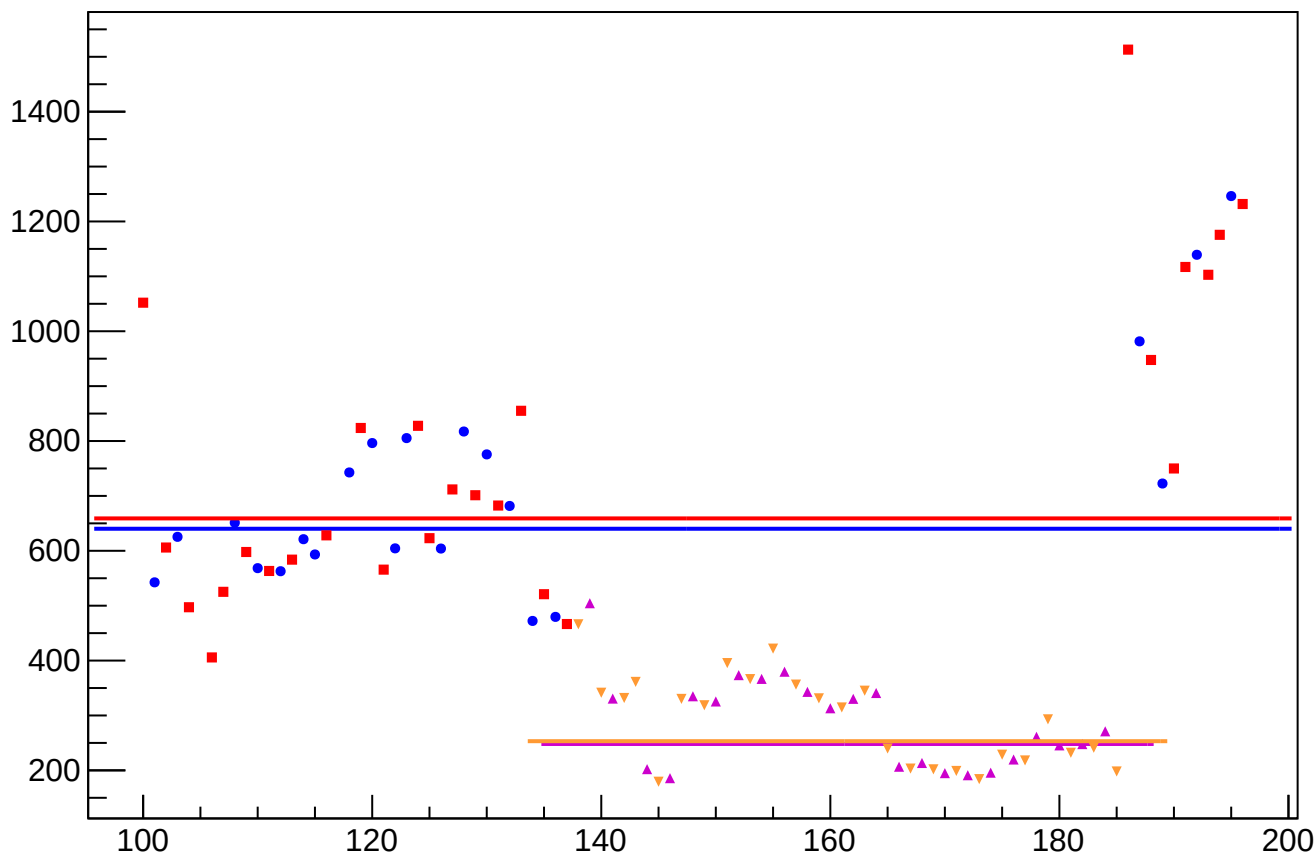
Left In: 49.832 ± 61.781 χ^2/NDF : 27.5/22

+ sign 264.561 ± 59.220 χ^2/NDF : 91.7/45

All: 172.606 ± 41.868 χ^2/NDF : 145.8/94

- sign 80.712 ± 59.201 χ^2/NDF : 49.3/48

asym_sam_37_dd_rms vs Slug



Right In: 640.178 $\pm$ 0.158 χ^2 /NDF: 1212053.8/20

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 659.003 $\pm$ 0.146 χ^2 /NDF: 2086372.3/25

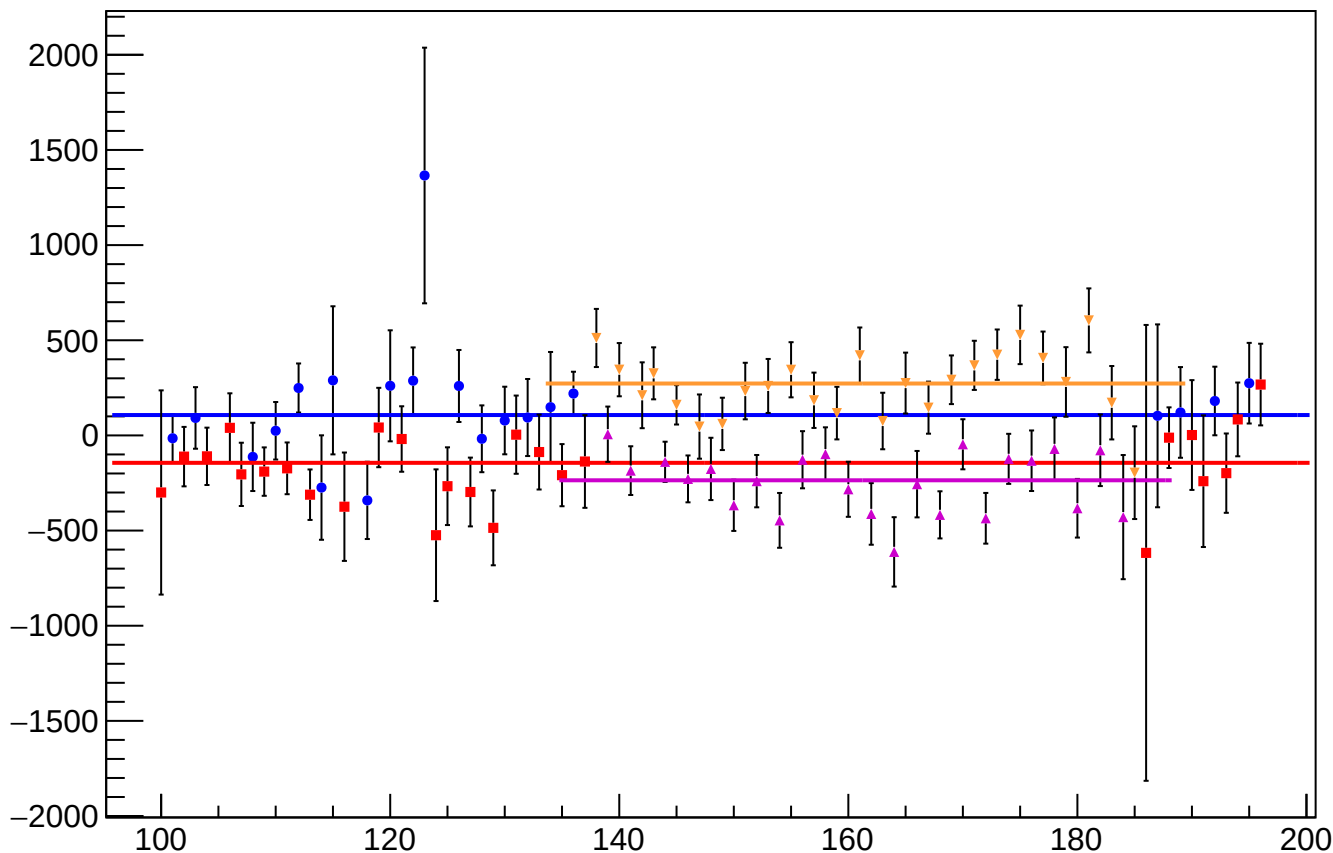
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 280.347 $\pm$ 0.042 χ^2 /NDF: 9461781.6/45

All: 281.014 $\pm$ 0.030 χ^2 /NDF: 21129163.9/94

- sign 281.679 $\pm$ 0.042 χ^2 /NDF: 11666876.2/48

reg_asym_sam_48_dd_mean vs Slug



Right In: 107.044 $\pm$ 40.622 χ^2 /NDF: 18.8/20

Left Out: 272.684 $\pm$ 29.221 χ^2 /NDF: 27.4/24

Right Out: -144.052 $\pm$ 37.229 χ^2 /NDF: 17.5/25

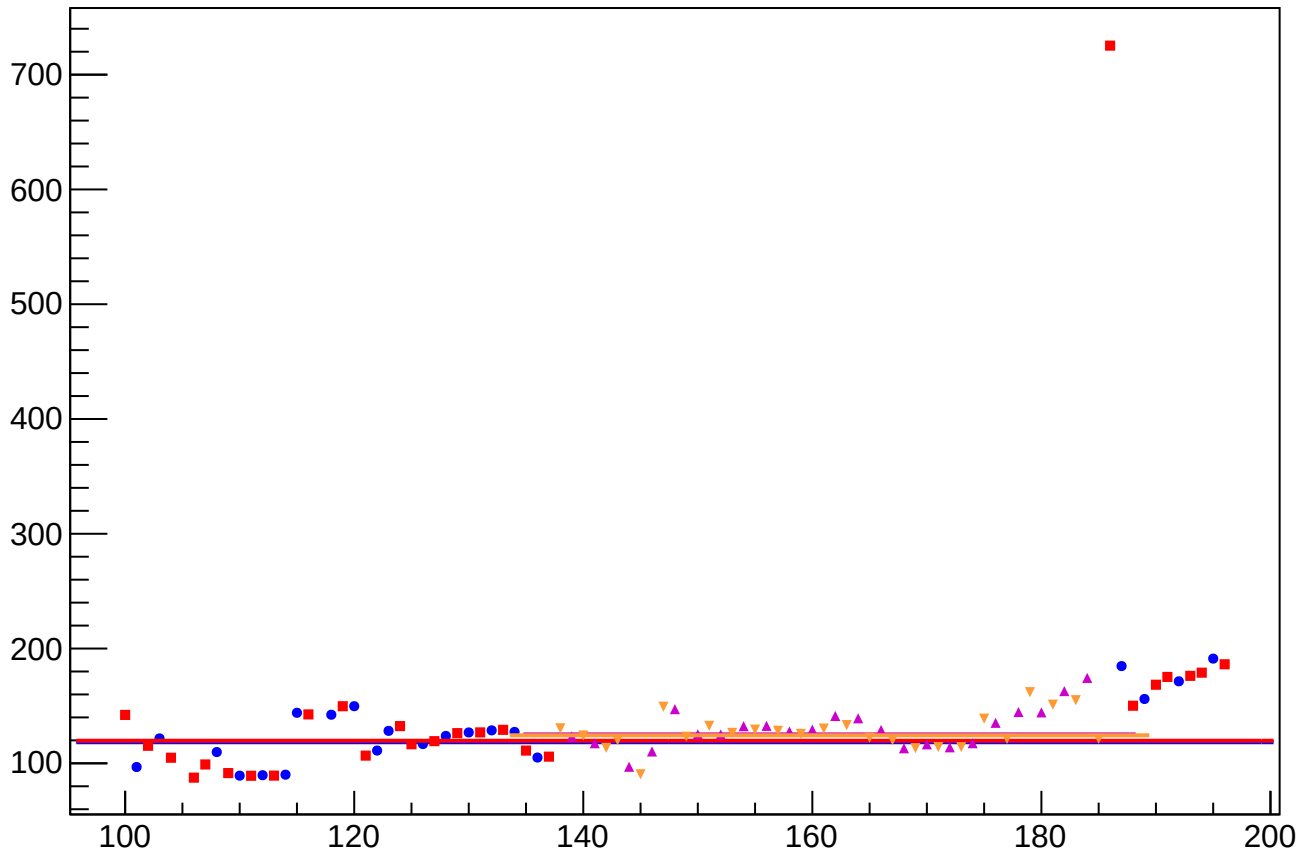
Left In: -235.801 $\pm$ 30.232 χ^2 /NDF: 24.6/22

+ sign 216.200 $\pm$ 23.721 χ^2 /NDF: 57.2/45

All: 6.203 $\pm$ 16.683 χ^2 /NDF: 258.0/94

- sign -199.342 $\pm$ 23.468 χ^2 /NDF: 45.7/48

reg_asym_sam_48_dd_rms vs Slug



Right In: 118.367 $\pm$ 0.029 χ^2 /NDF: 861109.5/20

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 119.665 $\pm$ 0.026 χ^2 /NDF: 1733663.6/25

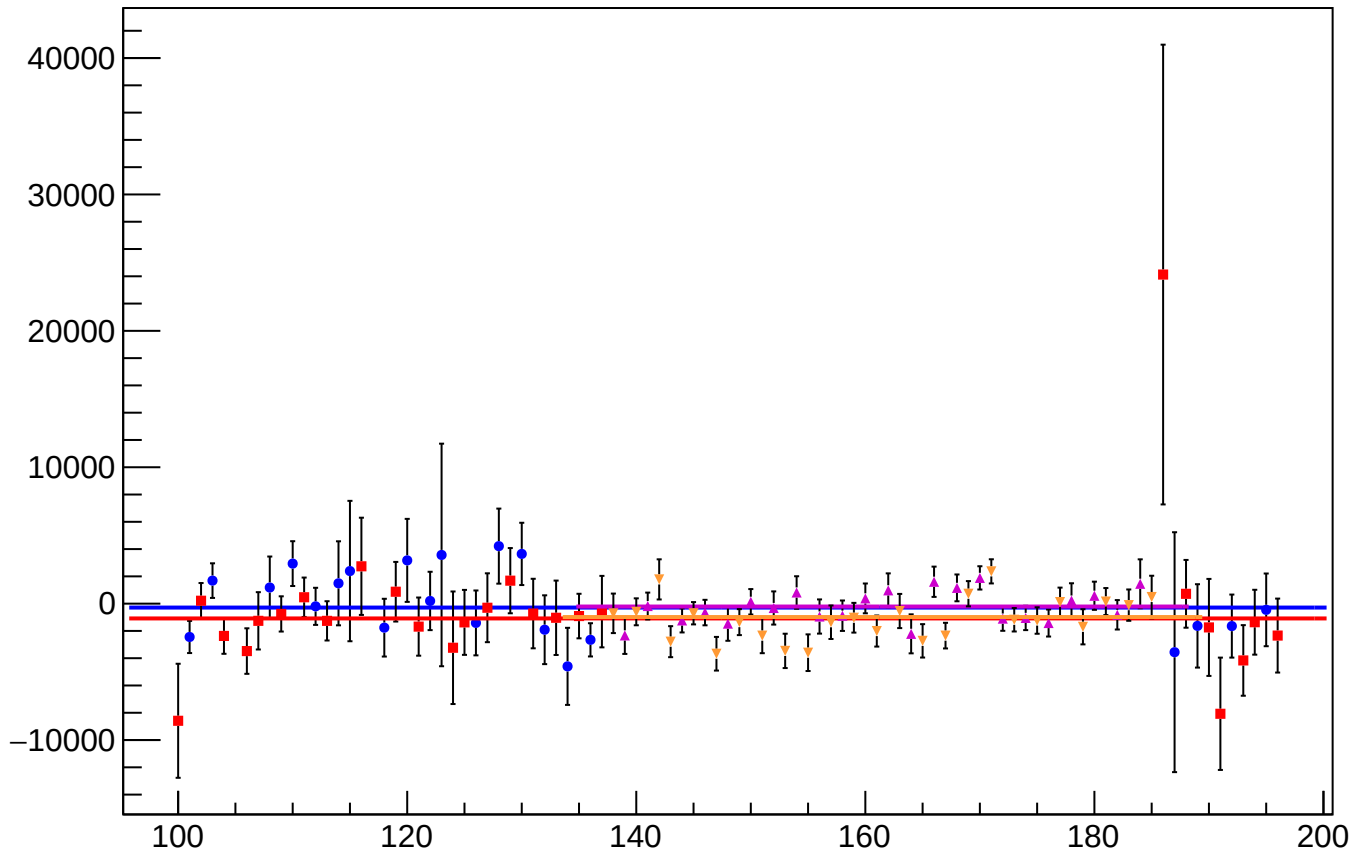
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 122.362 $\pm$ 0.017 χ^2 /NDF: 1430185.5/45

All: 122.686 $\pm$ 0.012 χ^2 /NDF: 3692665.3/94

- sign 123.004 $\pm$ 0.017 χ^2 /NDF: 2261739.7/48

asym_sam_48_dd_correction_mean vs Slug



Right In: -287.456 $\pm$ 444.642 χ^2/NDF : 25.8/20

Left Out: -982.839 $\pm$ 218.021 χ^2/NDF : 47.2/24

Right Out: -1084.620 $\pm$ 407.200 χ^2/NDF : 19.6/25

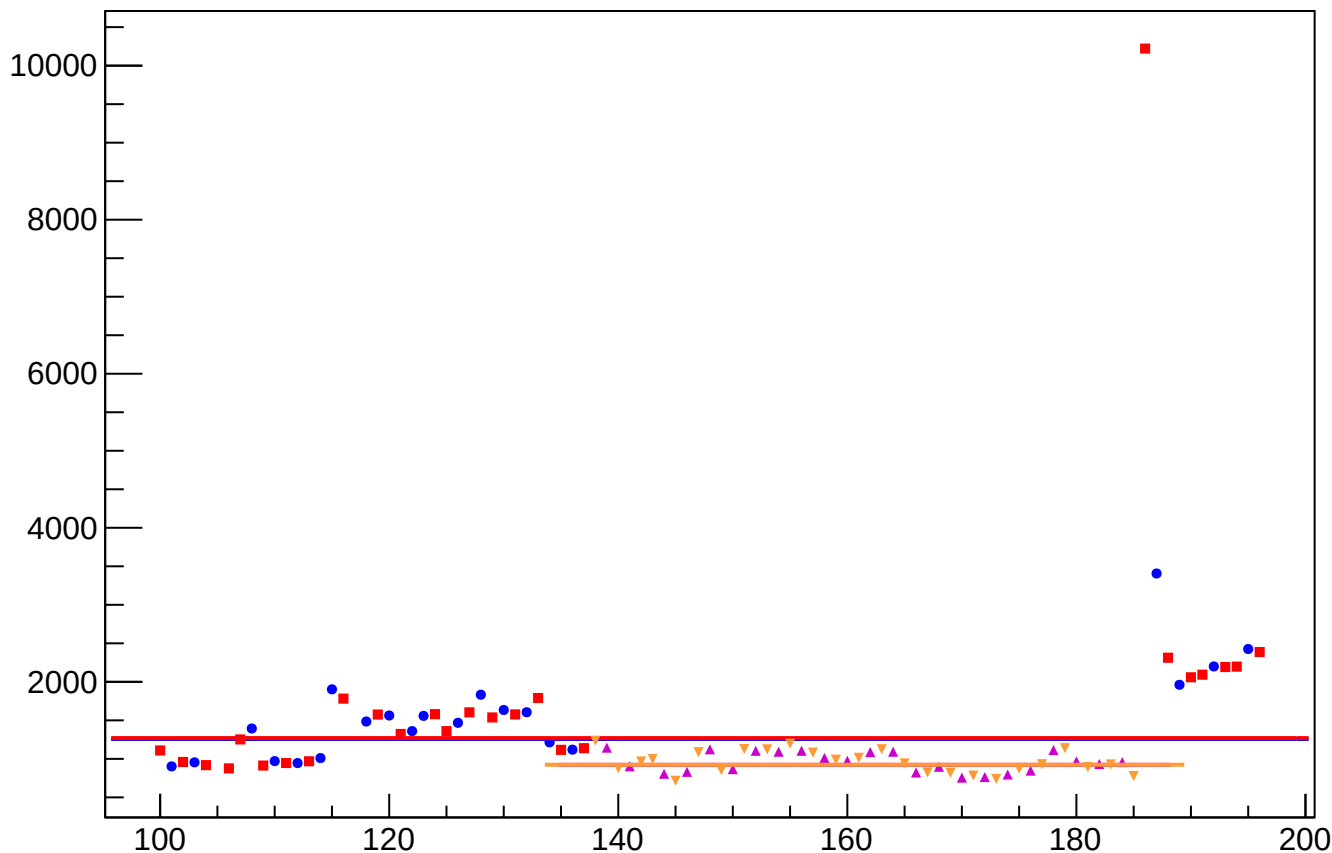
Left In: -211.420 $\pm$ 223.296 χ^2/NDF : 25.7/22

+ sign -848.057 $\pm$ 195.755 χ^2/NDF : 74.9/45

All: -630.715 $\pm$ 138.432 χ^2/NDF : 126.2/94

- sign -413.294 $\pm$ 195.790 χ^2/NDF : 48.8/48

asym_sam_48_dd_correction_rms vs Slug



Right In: 1258.067 $\pm$ 0.314 χ^2 /NDF: 1728344.3/20

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

+ sign 988.417 $\pm$ 0.138 χ^2 /NDF: 3483498.6/45

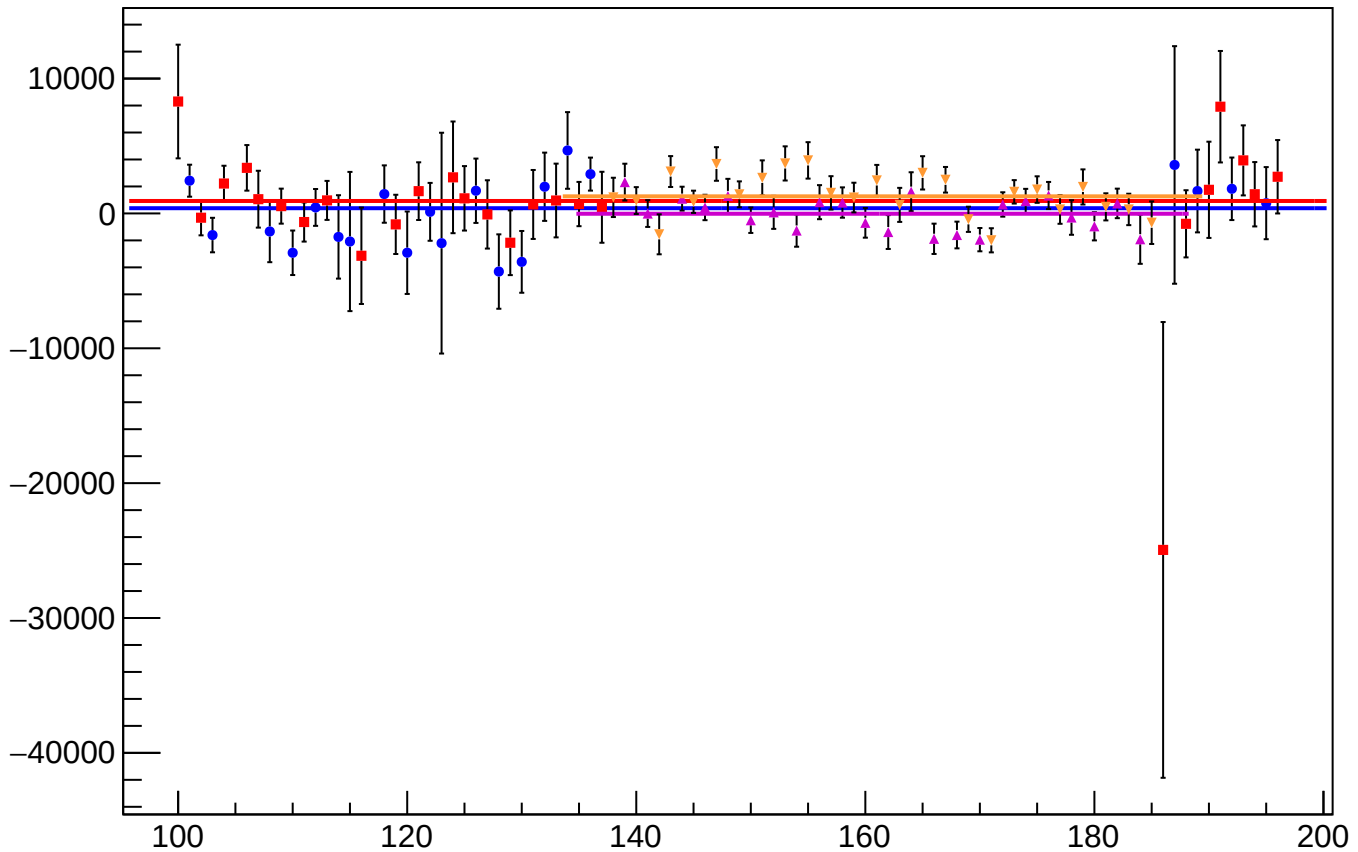
Right Out: 1269.394 $\pm$ 0.288 χ^2 /NDF: 2987029.8/25

All: 995.458 $\pm$ 0.098 χ^2 /NDF: 8227958.4/94

Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

- sign 1002.502 $\pm$ 0.138 χ^2 /NDF: 4739283.4/48

asym_sam_48_dd_mean vs Slug



Right In: 386.795 ± 446.758 χ^2/NDF : 26.0/20

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 922.931 ± 409.311 χ^2/NDF : 19.9/25

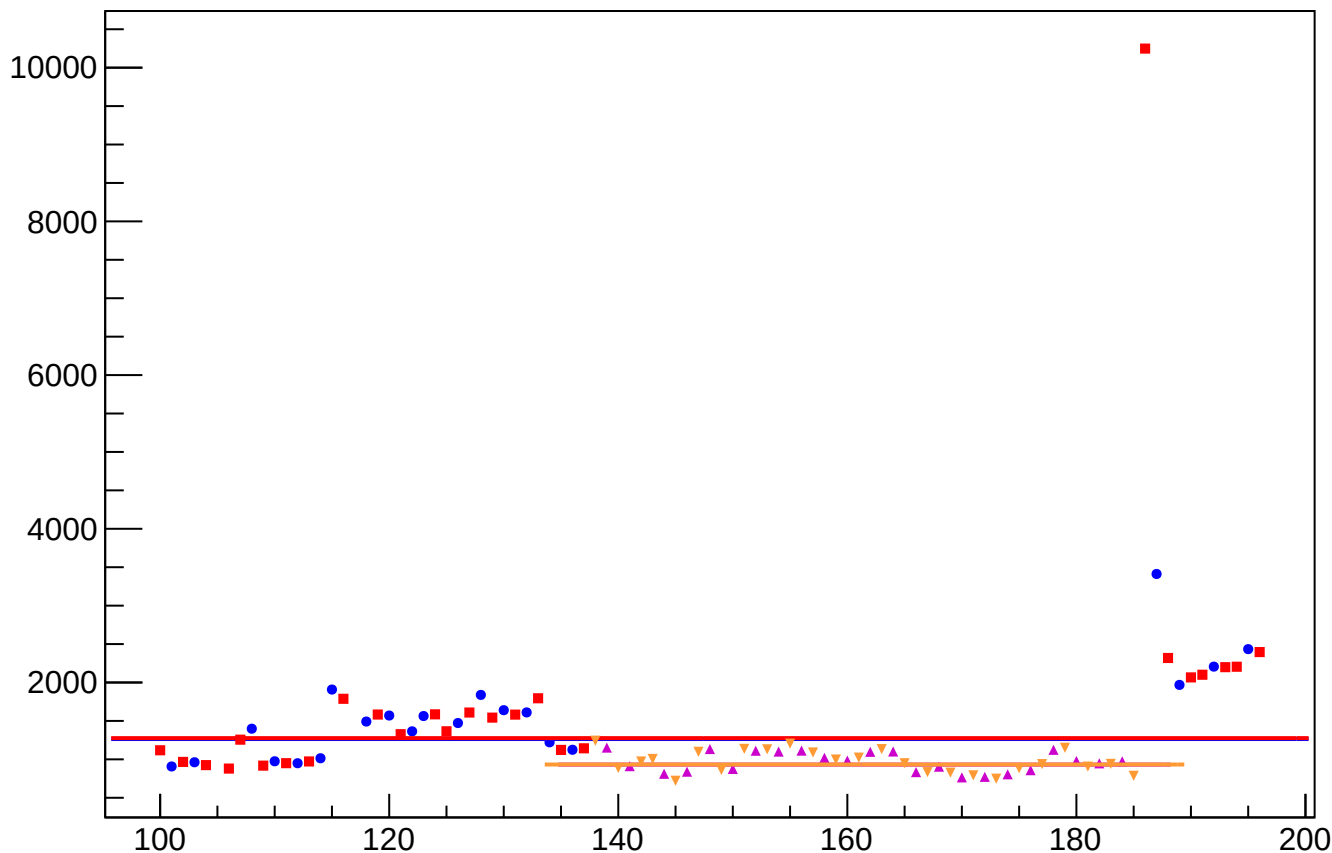
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1095.322 ± 197.464 χ^2/NDF : 74.1/45

All: 646.188 ± 139.642 χ^2/NDF : 135.6/94

- sign 196.876 ± 197.503 χ^2/NDF : 51.2/48

asym_sam_48_dd_rms vs Slug



Right In: 1264.494+/-0.316 χ^2/NDF : 1718417.0/20

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1276.205+/-0.289 χ^2/NDF : 2972464.1/25

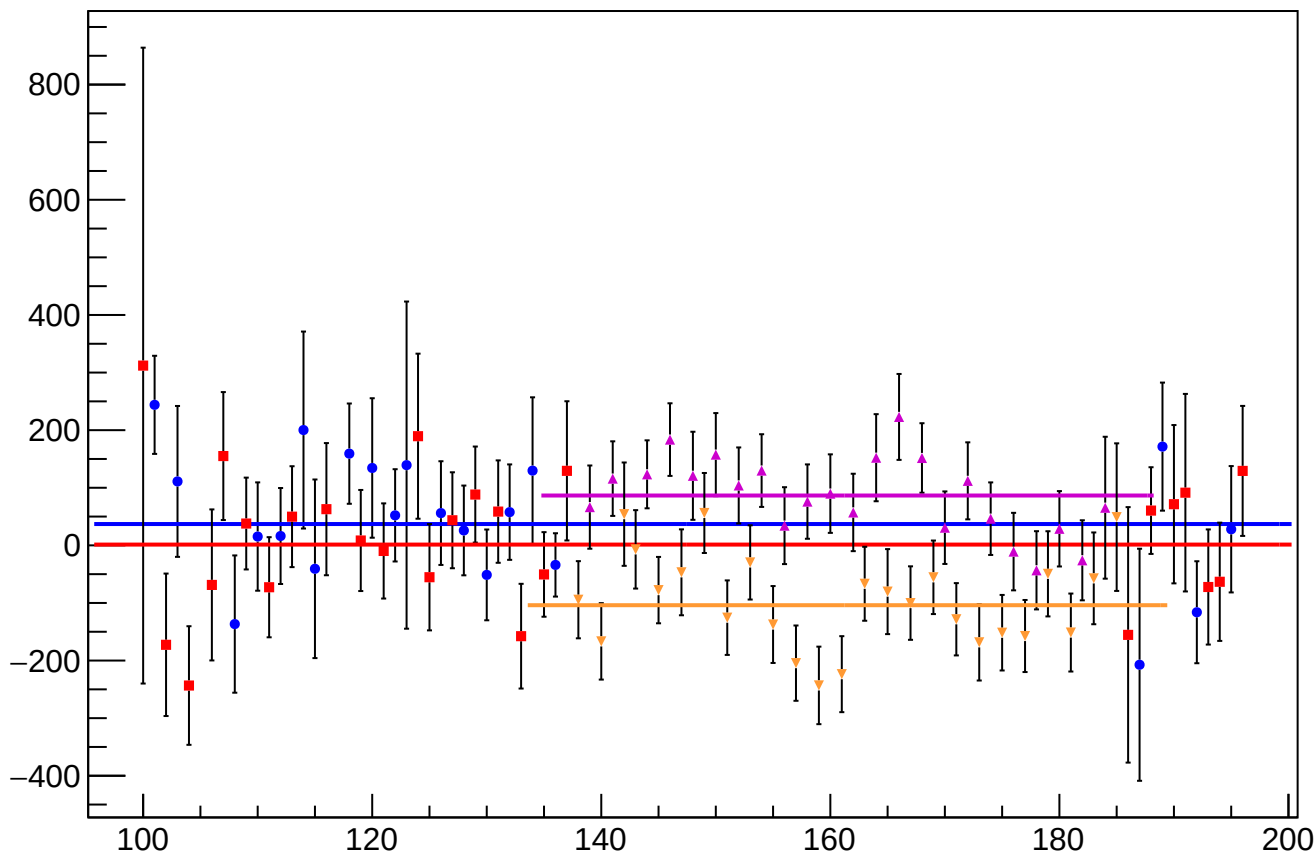
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 997.570+/-0.140 χ^2/NDF : 3435490.4/45

All: 1004.660+/-0.099 χ^2/NDF : 8125798.5/94

- sign 1011.752+/-0.140 χ^2/NDF : 4685150.6/48

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 37.024 ± 20.981 χ^2/NDF : 21.9/20

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: 1.351 ± 19.658 χ^2/NDF : 24.1/25

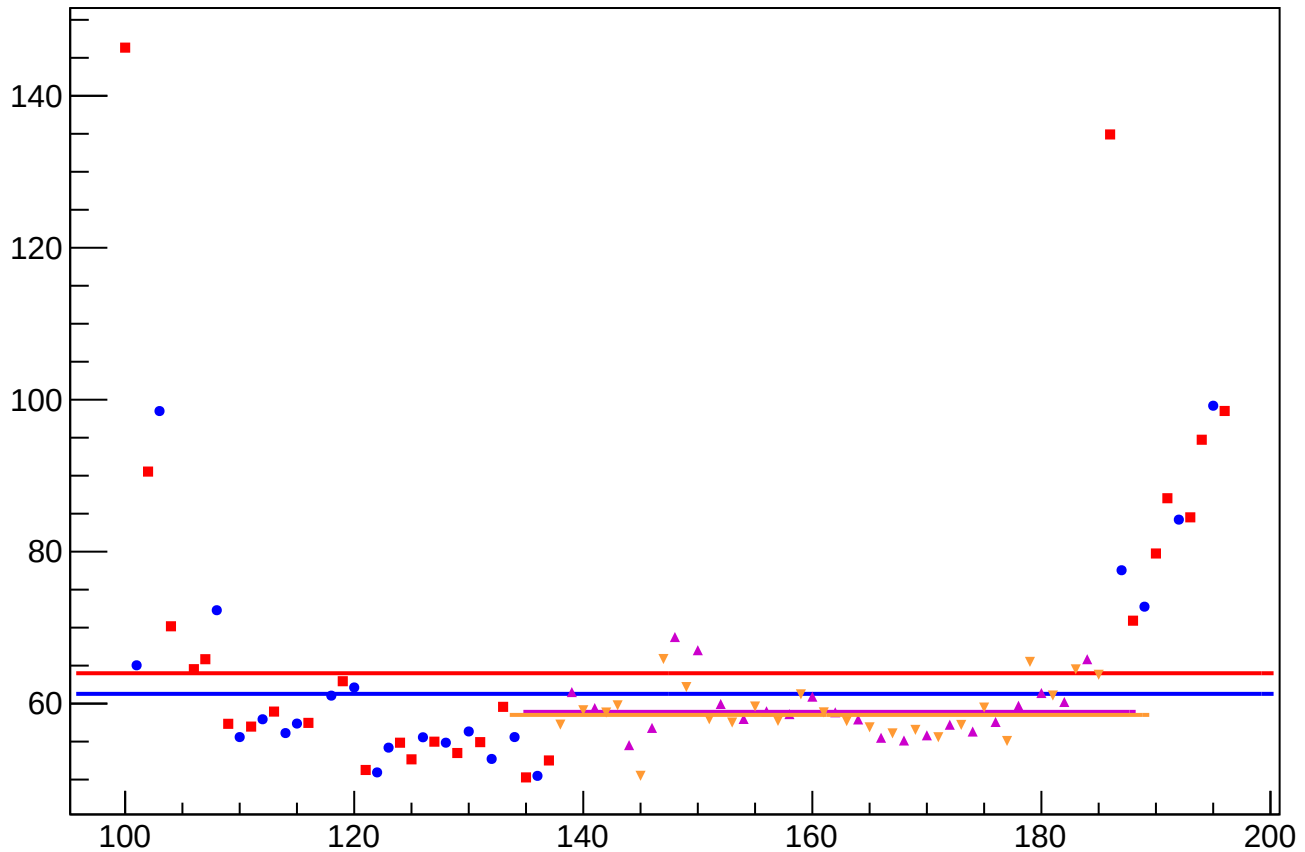
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -62.025 ± 11.437 χ^2/NDF : 83.6/45

All: -2.400 ± 8.098 χ^2/NDF : 196.0/94

- sign 57.549 ± 11.468 χ^2/NDF : 57.9/48

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 61.283 ± 0.015 $\chi^2/\text{NDF}: 770443.2/20$

Left Out: 58.513 ± 0.010 $\chi^2/\text{NDF}: 123221.6/24$

Right Out: 63.996 ± 0.014 $\chi^2/\text{NDF}: 1173582.8/25$

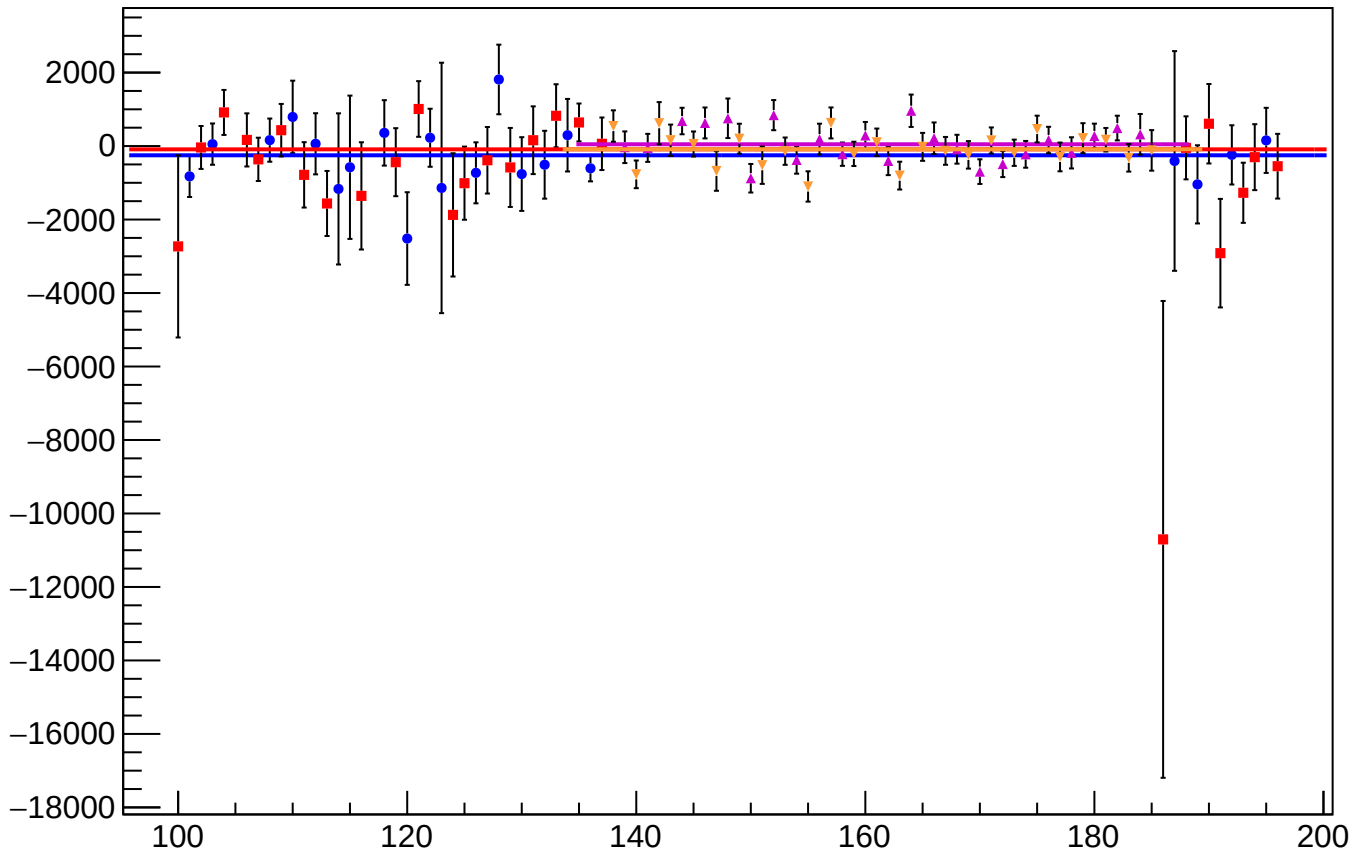
Left In: 58.913 ± 0.010 $\chi^2/\text{NDF}: 109968.0/22$

+ sign 59.336 ± 0.008 $\chi^2/\text{NDF}: 918169.8/45$

All: 59.988 ± 0.006 $\chi^2/\text{NDF}: 2302939.0/94$

- sign 60.643 ± 0.008 $\chi^2/\text{NDF}: 1371744.0/48$

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -251.287 ± 173.516 χ^2/NDF : 14.9/20

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -89.535 ± 164.705 χ^2/NDF : 25.8/25

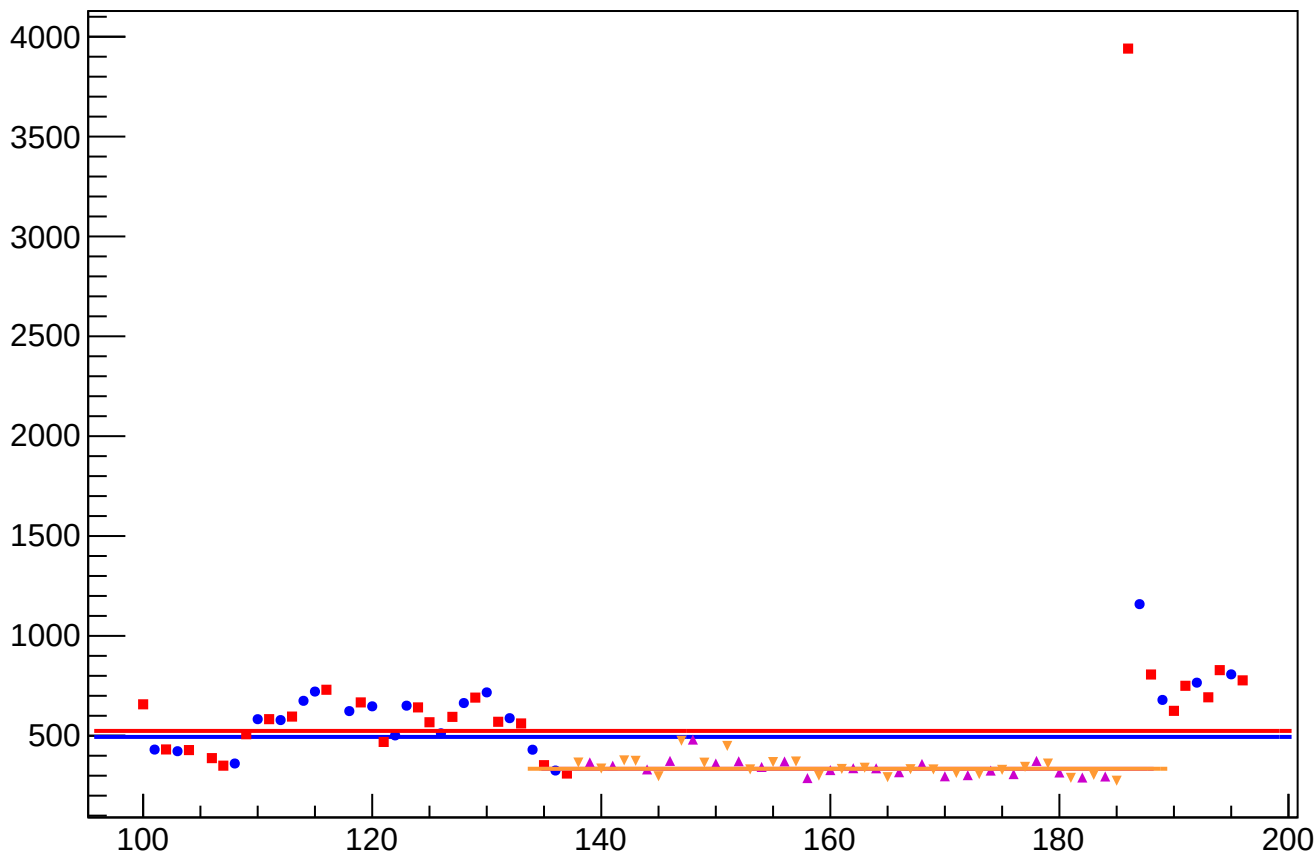
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -115.326 ± 71.564 χ^2/NDF : 43.4/45

All: -47.394 ± 50.882 χ^2/NDF : 106.9/94

- sign 22.054 ± 72.358 χ^2/NDF : 61.7/48

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 494.119+/-0.123 χ^2/NDF : 1591900.2/20

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

Right Out: 524.186+/-0.116 χ^2/NDF : 2269508.5/25

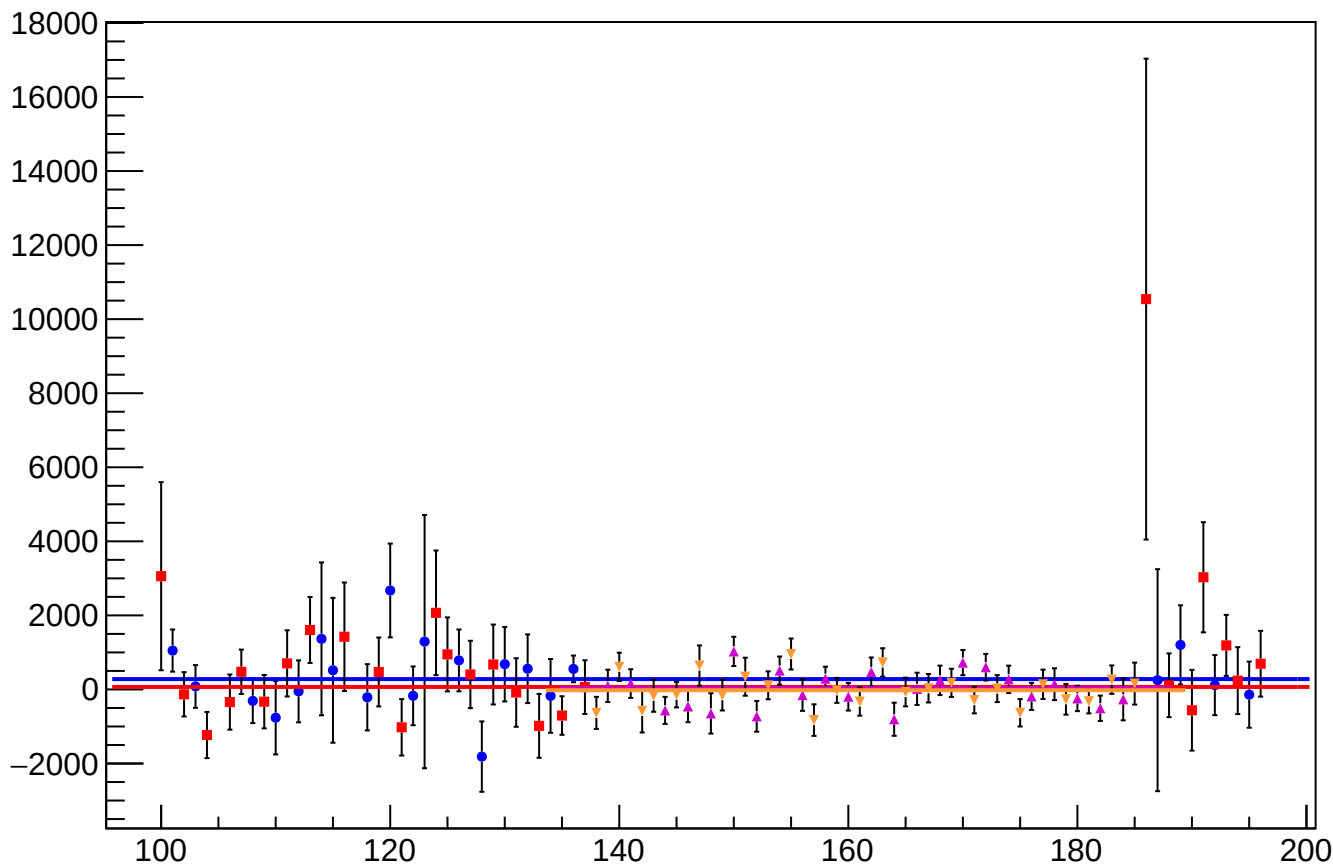
Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

+ sign 361.858+/-0.051 χ^2/NDF : 3483470.3/45

All: 366.292+/-0.036 χ^2/NDF : 8314403.6/94

- sign 370.825+/-0.051 χ^2/NDF : 4815406.7/48

asym_sam_13_57_dd_mean vs Slug



Right In: 279.513 $\pm$ 175.463 χ^2 /NDF: 16.0/20

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 67.860 $\pm$ 166.579 χ^2 /NDF: 29.1/25

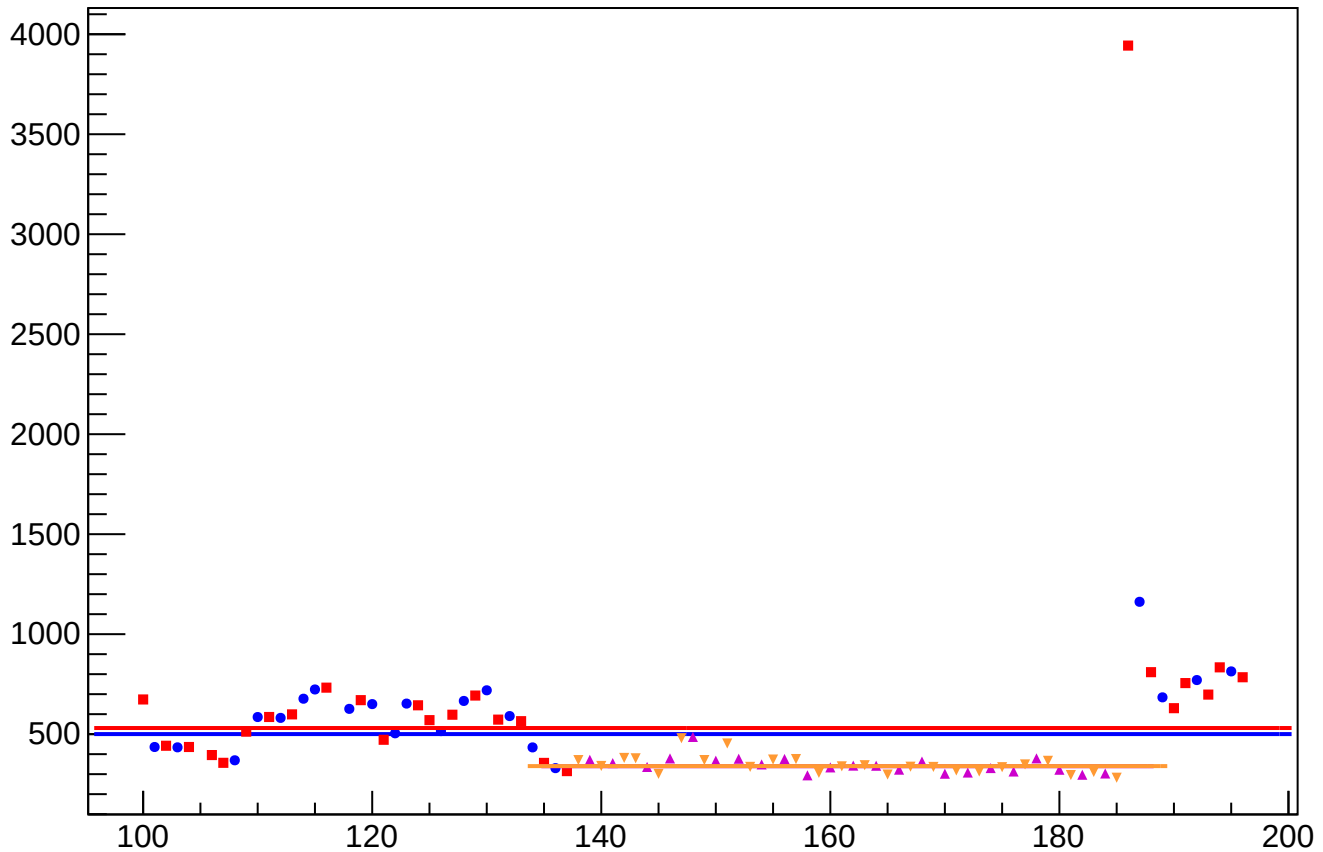
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 30.604 $\pm$ 72.649 χ^2 /NDF: 45.6/45

All: 34.663 $\pm$ 51.653 χ^2 /NDF: 108.9/94

- sign 38.811 $\pm$ 73.453 χ^2 /NDF: 63.2/48

asym_sam_13_57_dd_rms vs Slug



Right In: 500.380 $\pm$ 0.124 χ^2 /NDF: 1547512.1/20

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 530.705 $\pm$ 0.118 χ^2 /NDF: 2218760.7/25

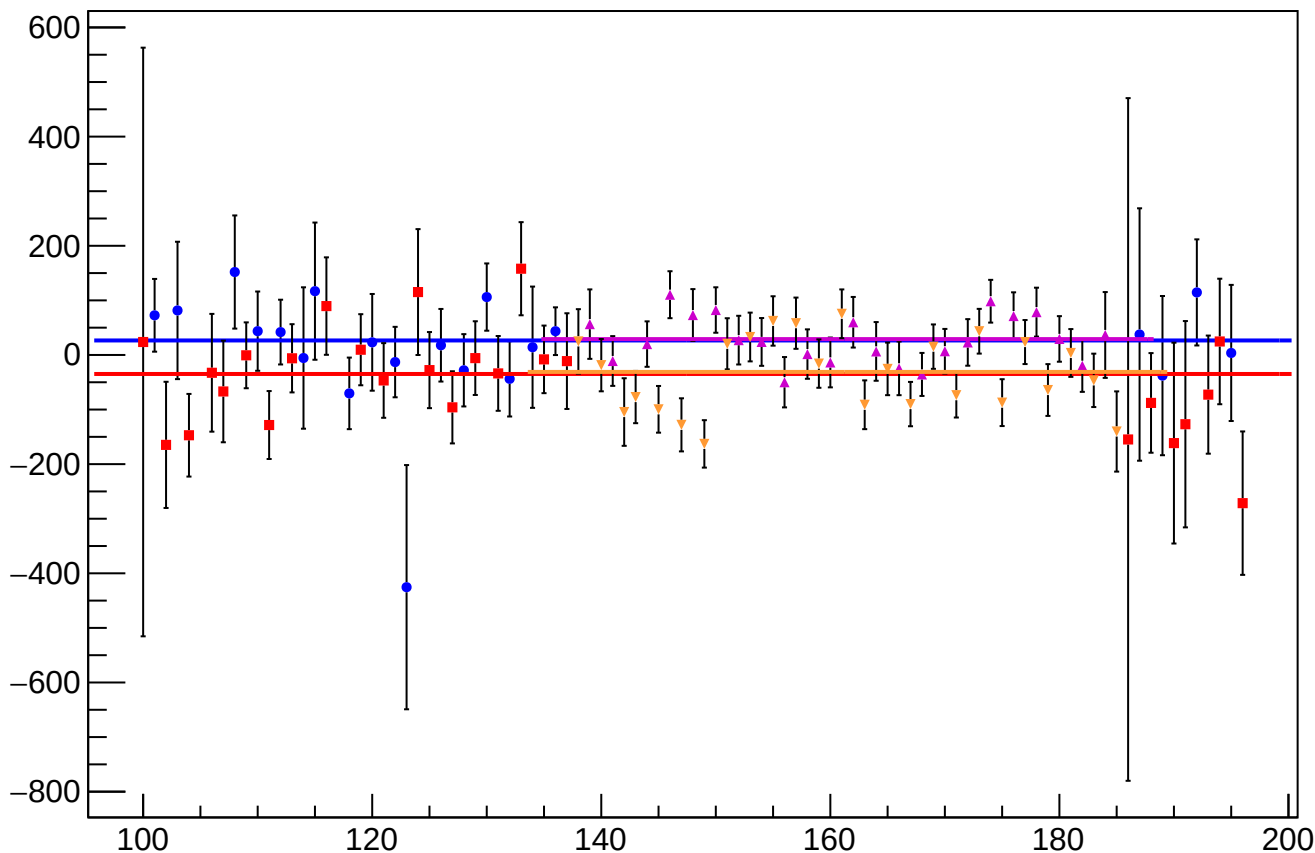
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 367.691 $\pm$ 0.051 χ^2 /NDF: 3396750.4/45

All: 372.183 $\pm$ 0.037 χ^2 /NDF: 8130768.8/94

- sign 376.775 $\pm$ 0.052 χ^2 /NDF: 4718555.9/48

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 26.578 ± 17.234 $\chi^2/\text{NDF}: 14.1/20$

Left Out: -31.063 ± 9.170 $\chi^2/\text{NDF}: 52.6/24$

Right Out: -34.829 ± 16.465 $\chi^2/\text{NDF}: 21.7/25$

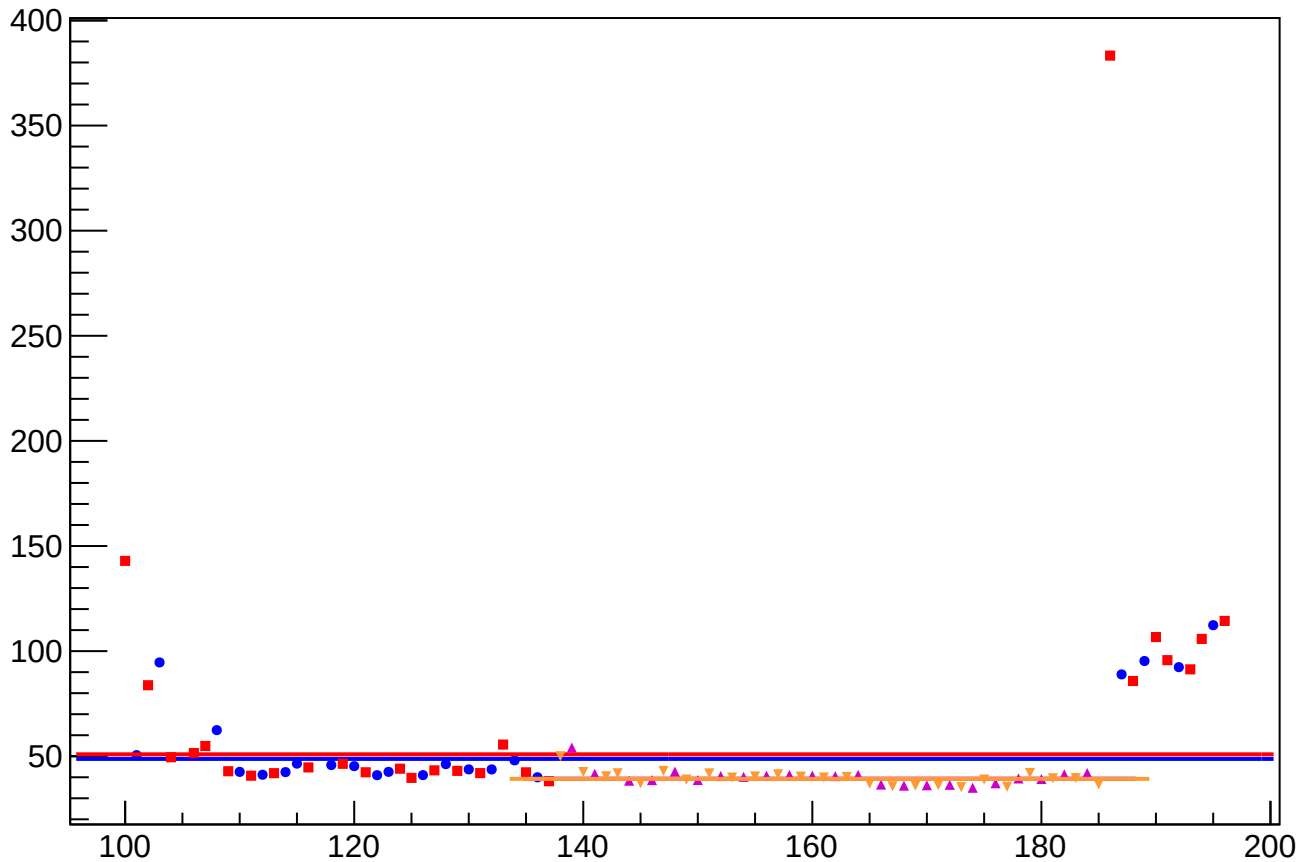
Left In: 29.055 ± 9.449 $\chi^2/\text{NDF}: 22.4/22$

+ sign -18.345 ± 8.095 $\chi^2/\text{NDF}: 75.4/45$

All: -2.754 ± 5.759 $\chi^2/\text{NDF}: 138.3/94$

- sign 13.228 ± 8.196 $\chi^2/\text{NDF}: 55.4/48$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 48.732 $\pm$ 0.012 χ^2 /NDF: 1713189.8/20

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 50.914 $\pm$ 0.012 χ^2 /NDF: 2993470.0/25

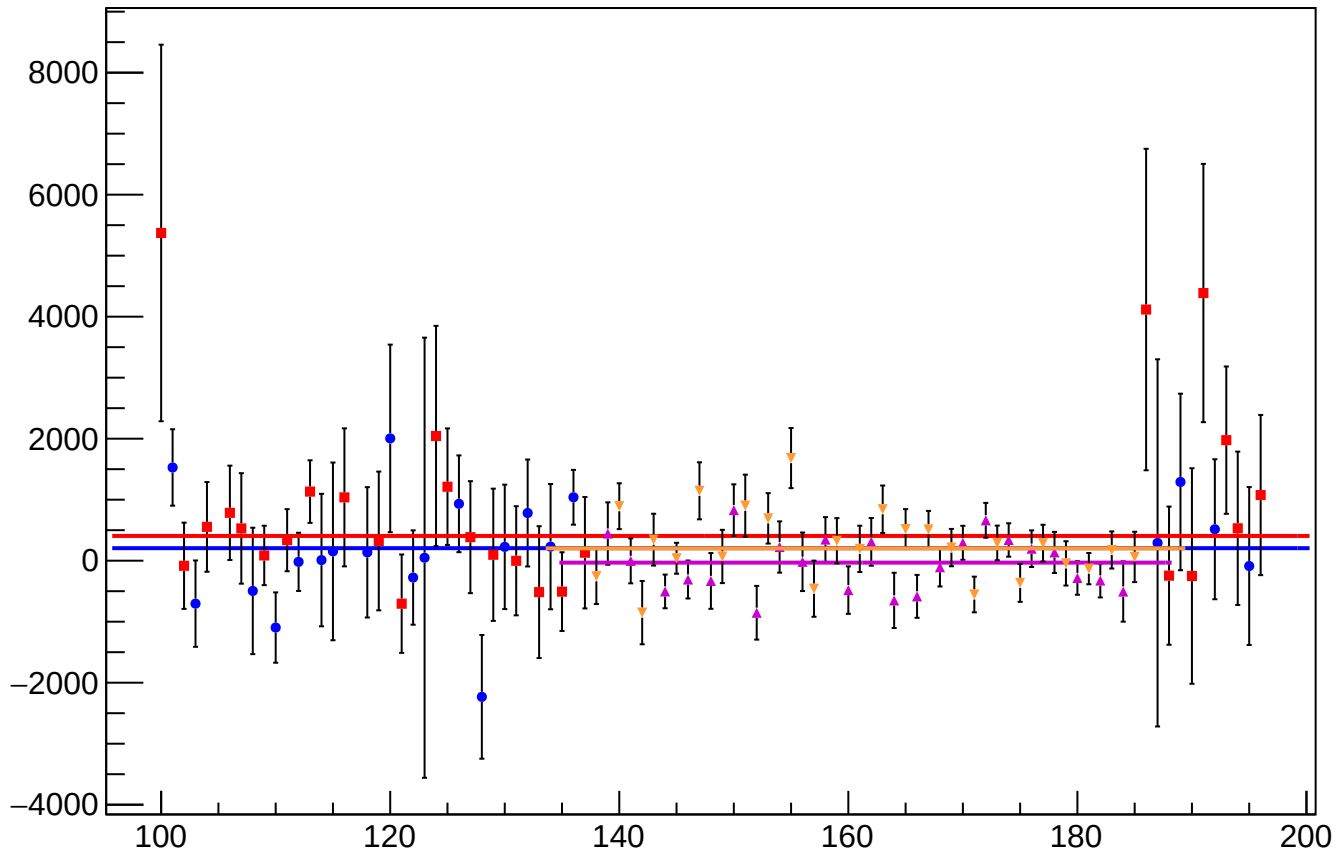
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 41.330 $\pm$ 0.006 χ^2 /NDF: 2388445.9/45

All: 41.763 $\pm$ 0.004 χ^2 /NDF: 6352786.4/94

- sign 42.206 $\pm$ 0.006 χ^2 /NDF: 3952774.6/48

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 205.134 ± 182.798 χ^2/NDF : 24.9/20

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 405.714 ± 170.657 χ^2/NDF : 20.6/25

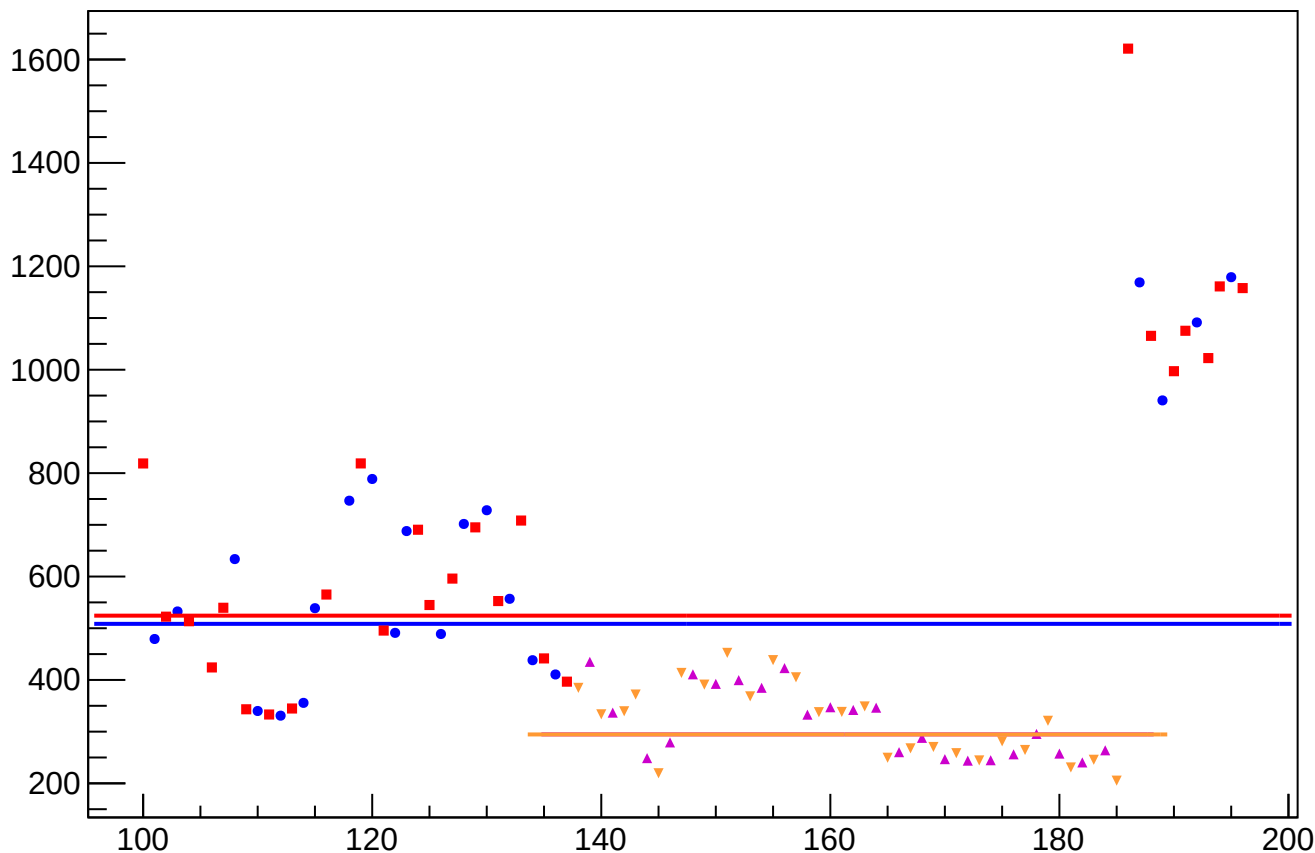
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 202.727 ± 65.717 χ^2/NDF : 69.7/45

All: 119.591 ± 46.714 χ^2/NDF : 132.5/94

- sign 34.679 ± 66.416 χ^2/NDF : 59.6/48

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 508.487 +/- 0.129 χ^2/NDF : 2301818.8/20

Left Out: 294.591 +/- 0.050 χ^2/NDF : 1680474.5/24

Right Out: 524.347 +/- 0.121 χ^2/NDF : 3609263.9/25

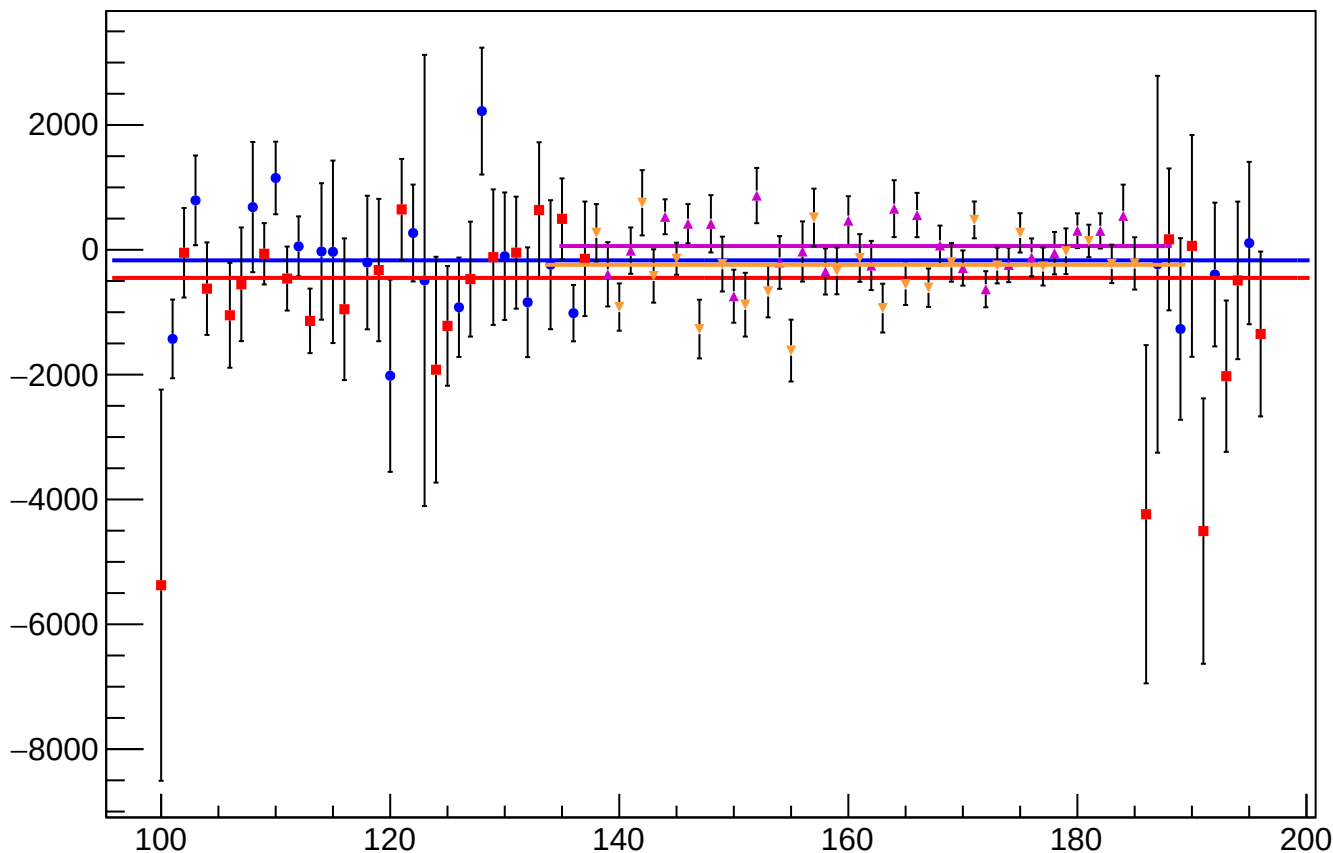
Left In: 294.722 +/- 0.051 χ^2/NDF : 1297310.3/22

+ sign 322.237 +/- 0.046 χ^2/NDF : 6366726.4/45

All: 325.830 +/- 0.033 χ^2/NDF : 14357911.9/94

- sign 329.501 +/- 0.047 χ^2/NDF : 7979096.2/48

asym_sam_15_37_dd_mean vs Slug



Right In: -168.824 ± 183.911 χ^2/NDF : 24.8/20

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -450.338 ± 172.362 χ^2/NDF : 20.8/25

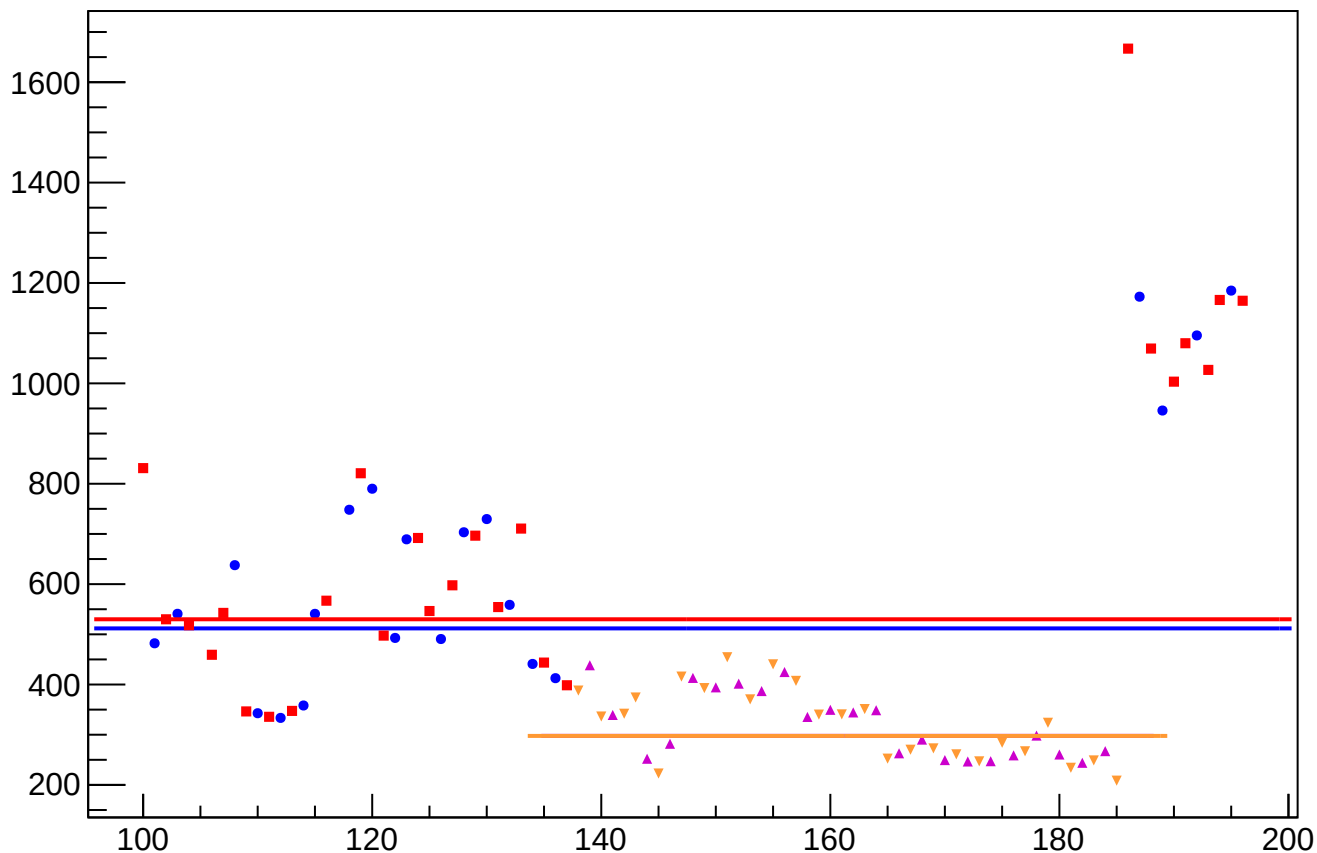
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -231.056 ± 66.317 χ^2/NDF : 67.9/45

All: -125.190 ± 47.152 χ^2/NDF : 132.1/94

- sign -16.957 ± 67.054 χ^2/NDF : 59.1/48

asym_sam_15_37_dd_rms vs Slug



Right In: 511.817 $\pm$ 0.130 χ^2 /NDF: 2288394.9/20

Left Out: 297.613 $\pm$ 0.050 χ^2 /NDF:1637757.8/24

Right Out: 529.984 $\pm$ 0.122 χ^2 /NDF: 3577115.1/25

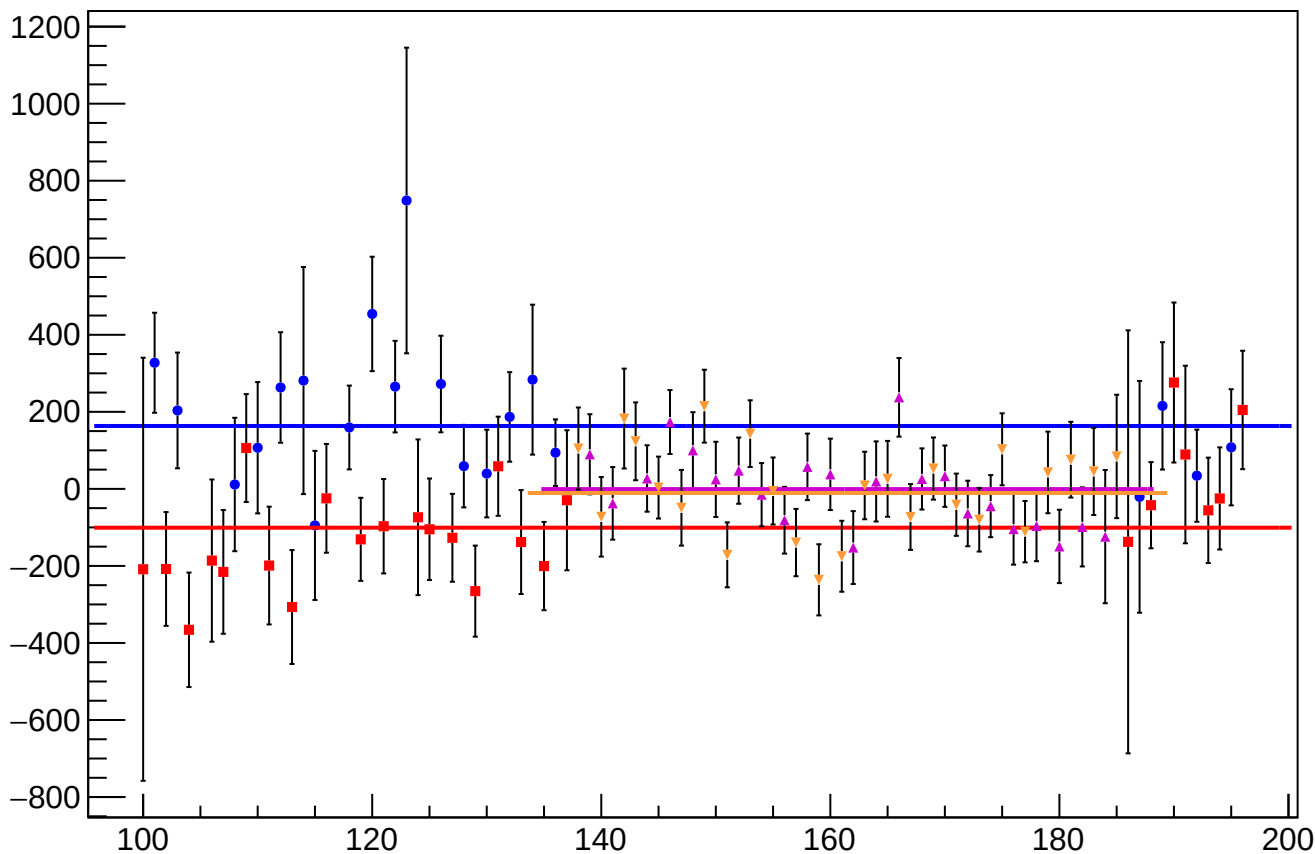
Left In: 297.699 $\pm$ 0.051 χ^2 /NDF:1266306.2/22

+ sign 325.465 $\pm$ 0.047 χ^2 /NDF: 6286507.6/45

All: 329.119 $\pm$ 0.033 χ^2 /NDF: 14224814.3/94

- sign 332.854 $\pm$ 0.047 χ^2 /NDF: 7926029.9/48

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 163.293 $\pm$ 30.302 χ^2 /NDF: 17.4/20

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -100.730 $\pm$ 28.534 χ^2 /NDF: 22.5/25

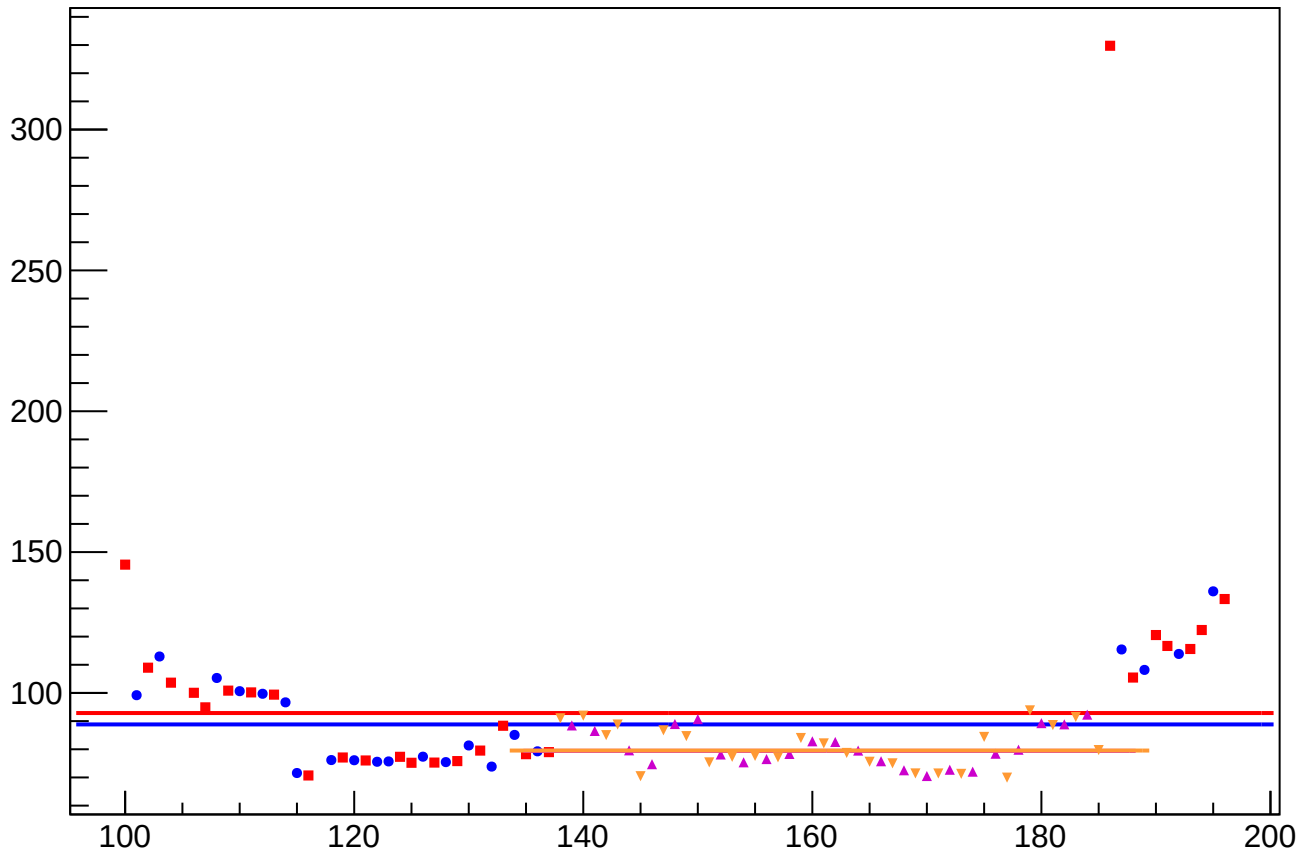
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 36.976 $\pm$ 15.858 χ^2 /NDF: 77.7/45

All: 2.735 $\pm$ 11.217 χ^2 /NDF: 141.8/94

- sign -31.546 $\pm$ 15.867 χ^2 /NDF: 54.8/48

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 88.825+/-0.021 χ^2/NDF : 631299.0/20

Left Out: 79.551+/-0.013 χ^2/NDF : 309075.2/24

Right Out: 92.866+/-0.020 χ^2/NDF : 1152041.3/25

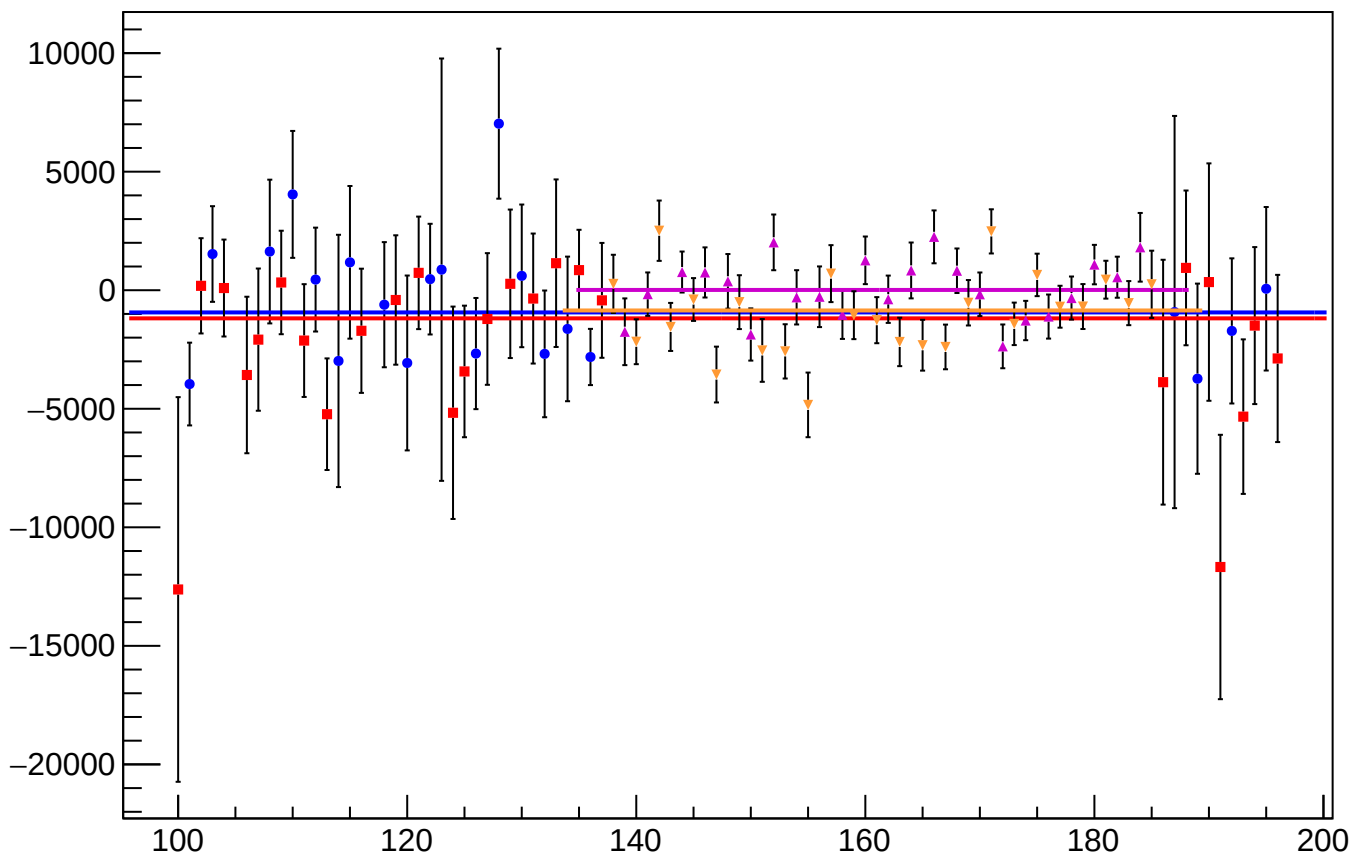
Left In: 79.436+/-0.013 χ^2/NDF : 212440.1/22

+ sign 82.091+/-0.011 χ^2/NDF : 1076417.0/45

All: 82.840+/-0.008 χ^2/NDF : 2755859.1/94

- sign 83.589+/-0.011 χ^2/NDF : 1670520.0/48

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -936.770 ± 559.488 χ^2/NDF : 21.2/20

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1186.985 ± 547.160 χ^2/NDF : 17.7/25

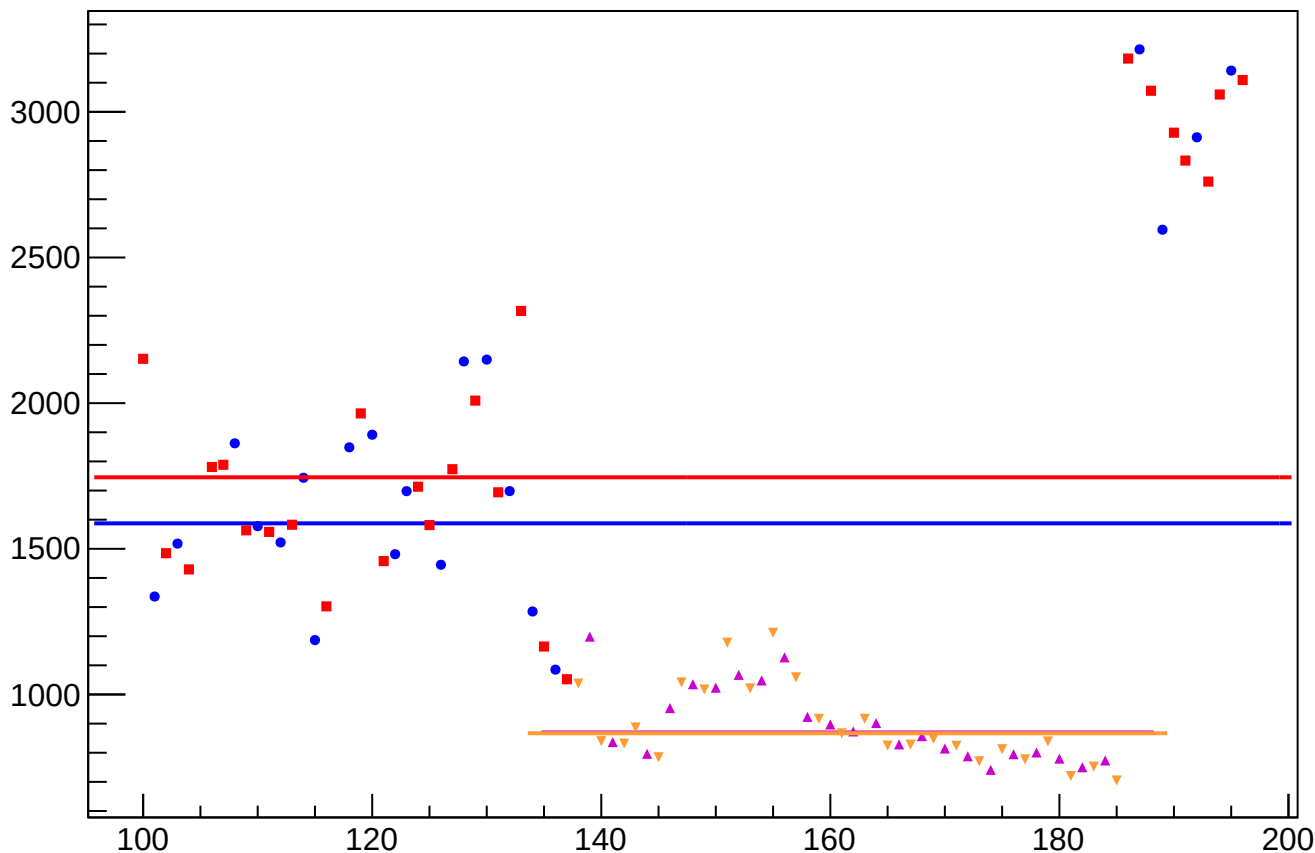
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -863.835 ± 191.732 χ^2/NDF : 77.2/45

All: -511.223 ± 137.099 χ^2/NDF : 137.2/94

- sign -142.304 ± 196.116 χ^2/NDF : 53.1/48

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1587.426 ± 0.396 $\chi^2/\text{NDF}: 1638034.3/20$

Left Out: 866.893 ± 0.144 $\chi^2/\text{NDF}: 661712.5/24$

+ sign 951.511 ± 0.136 $\chi^2/\text{NDF}: 5227276.0/45$

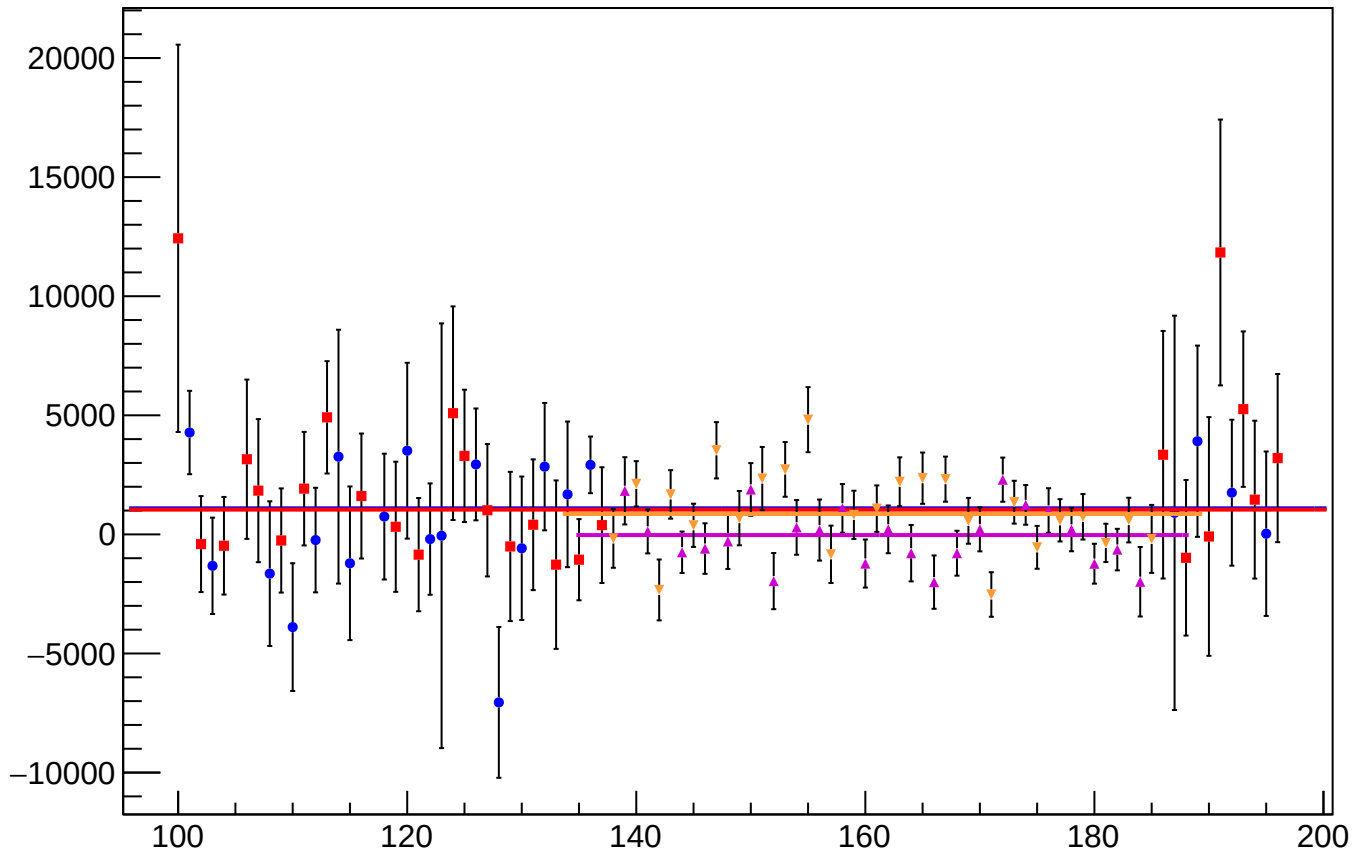
Right Out: 1745.542 ± 0.387 $\chi^2/\text{NDF}: 2175625.5/25$

All: 966.461 ± 0.097 $\chi^2/\text{NDF}: 12477604.0/94$

- sign 982.103 ± 0.139 $\chi^2/\text{NDF}: 7225444.5/48$

Left In: 869.569 ± 0.149 $\chi^2/\text{NDF}: 582301.2/22$

asym_sam_24_68_dd_mean vs Slug



Right In: 1094.781 $\pm$ 560.593 χ^2/NDF : 21.8/20

Left Out: 855.664 $\pm$ 205.047 χ^2/NDF : 54.1/24

Right Out: 1039.919 $\pm$ 548.315 χ^2/NDF : 17.7/25

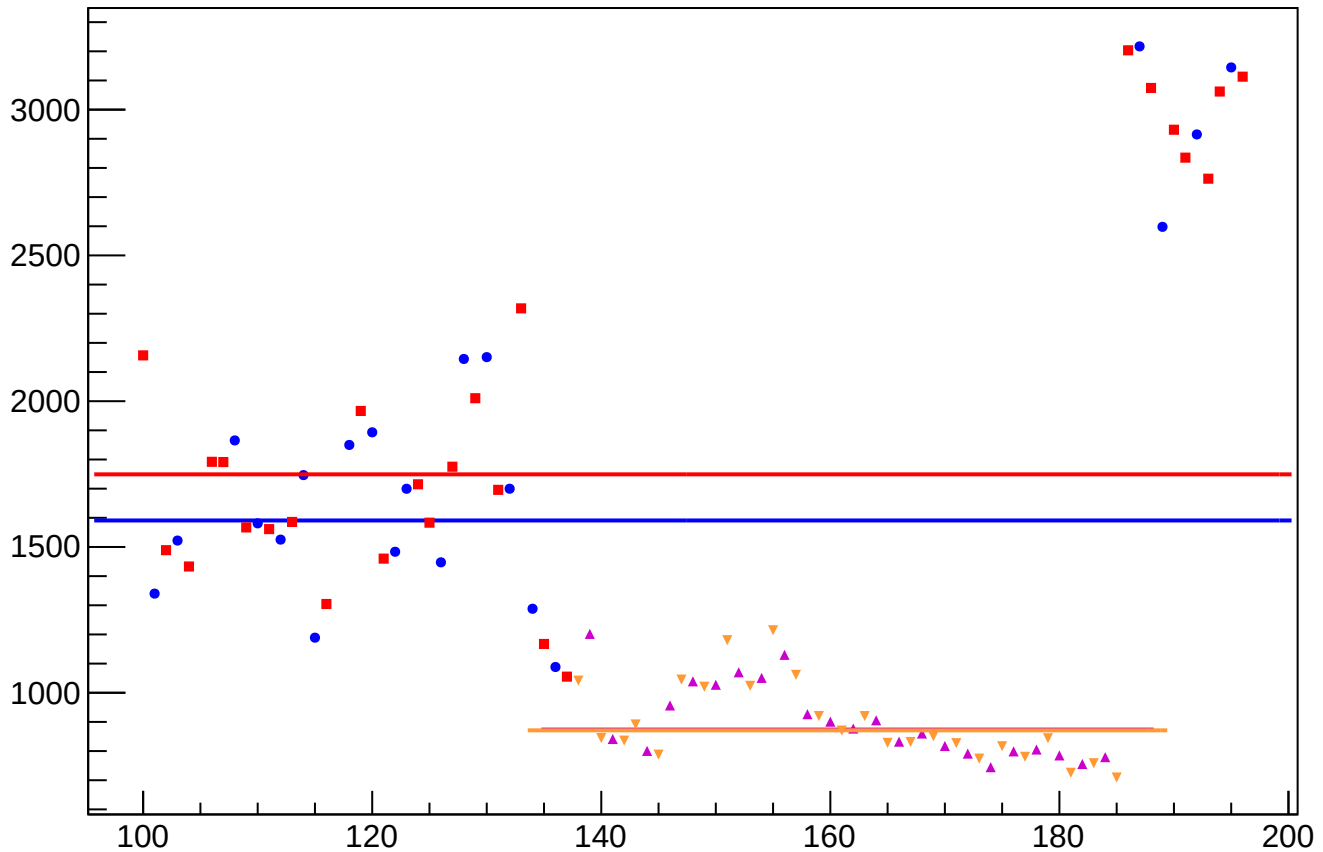
Left In: -28.553 $\pm$ 211.034 χ^2/NDF : 29.7/22

+ sign 883.880 $\pm$ 192.569 χ^2/NDF : 76.0/45

All: 505.300 $\pm$ 137.690 χ^2/NDF : 134.7/94

- sign 109.300 $\pm$ 196.950 χ^2/NDF : 50.7/48

asym_sam_24_68_dd_rms vs Slug



Right In: 1590.910 $\pm$ 0.396 χ^2 /NDF: 1631577.1/20

Left Out: 871.109 $\pm$ 0.145 χ^2 /NDF: 651751.1/24

Right Out: 1749.098 $\pm$ 0.388 χ^2 /NDF: 2171005.3/25

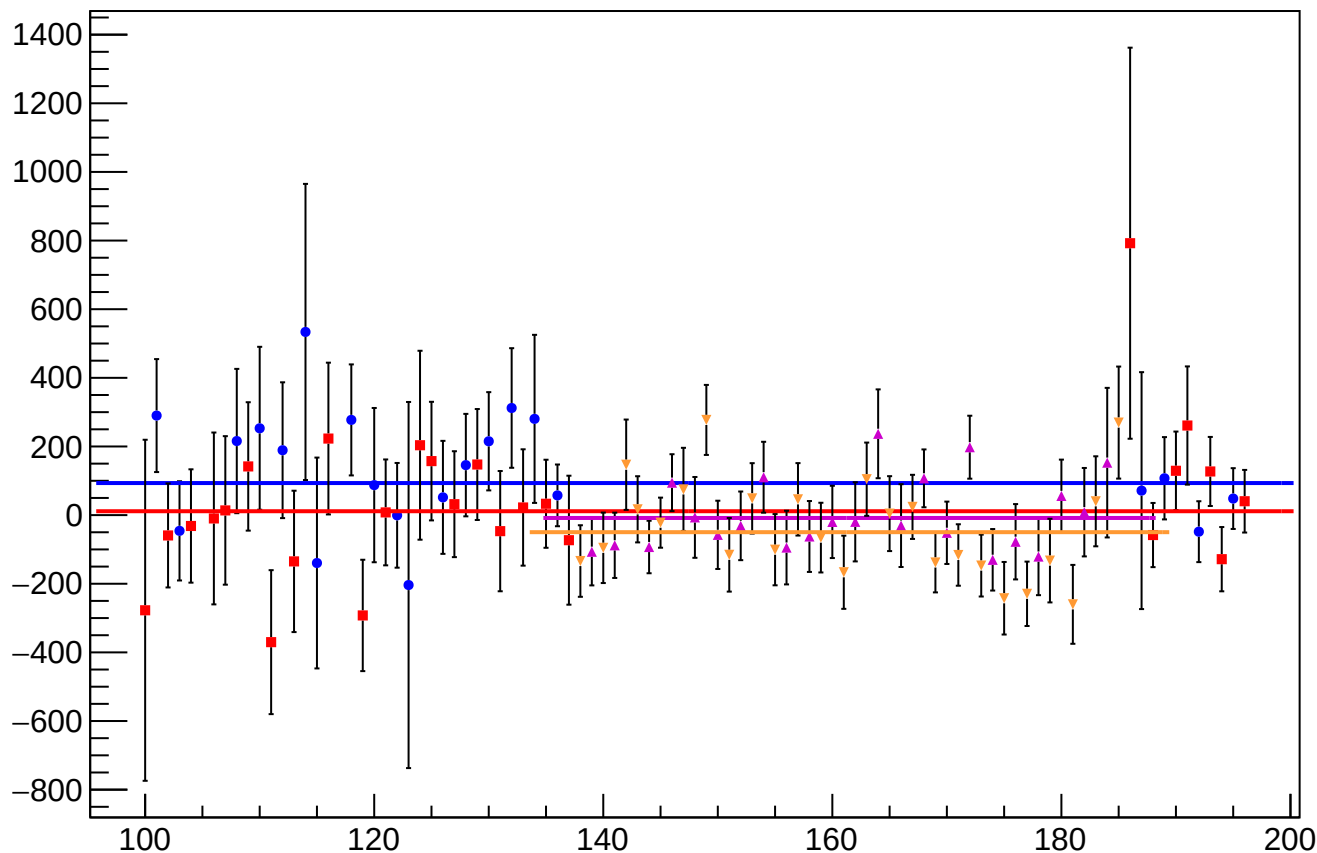
Left In: 873.675 $\pm$ 0.149 χ^2 /NDF: 573822.5/22

+ sign 956.045 $\pm$ 0.136 χ^2 /NDF: 5191556.0/45

All: 970.989 $\pm$ 0.097 χ^2 /NDF: 12401343.3/94

- sign 986.621 $\pm$ 0.139 χ^2 /NDF: 7185143.9/48

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 93.426 ± 33.196 $\chi^2/\text{NDF}: 13.0/20$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: 11.311 ± 29.605 $\chi^2/\text{NDF}: 20.9/25$

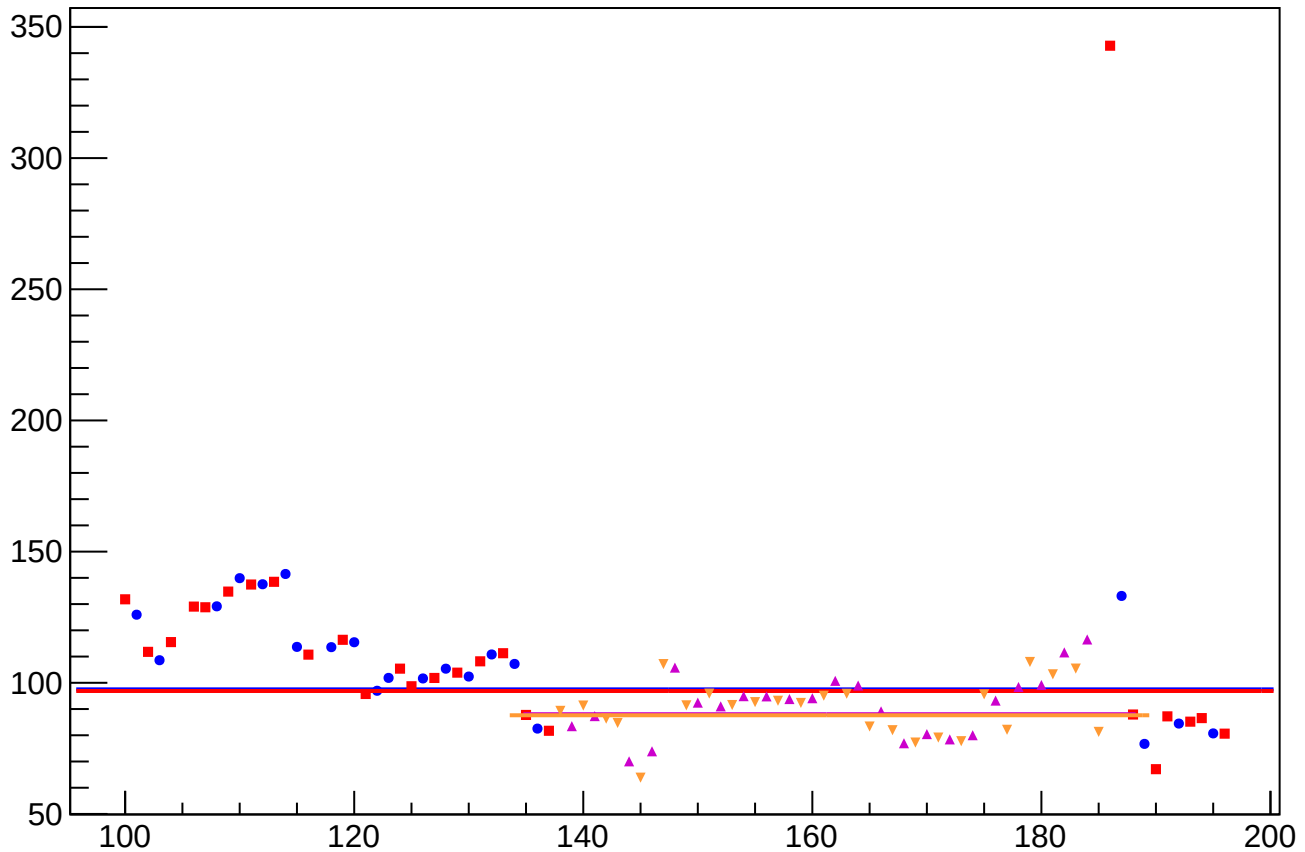
Left In: -8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

+ sign -9.976 ± 17.491 $\chi^2/\text{NDF}: 65.9/45$

All: -5.762 ± 12.291 $\chi^2/\text{NDF}: 109.2/94$

- sign -1.651 ± 17.275 $\chi^2/\text{NDF}: 43.2/48$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 97.497 $\pm$ 0.023 χ^2 /NDF: 597451.9/20

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 96.881 $\pm$ 0.021 χ^2 /NDF: 1108894.8/25

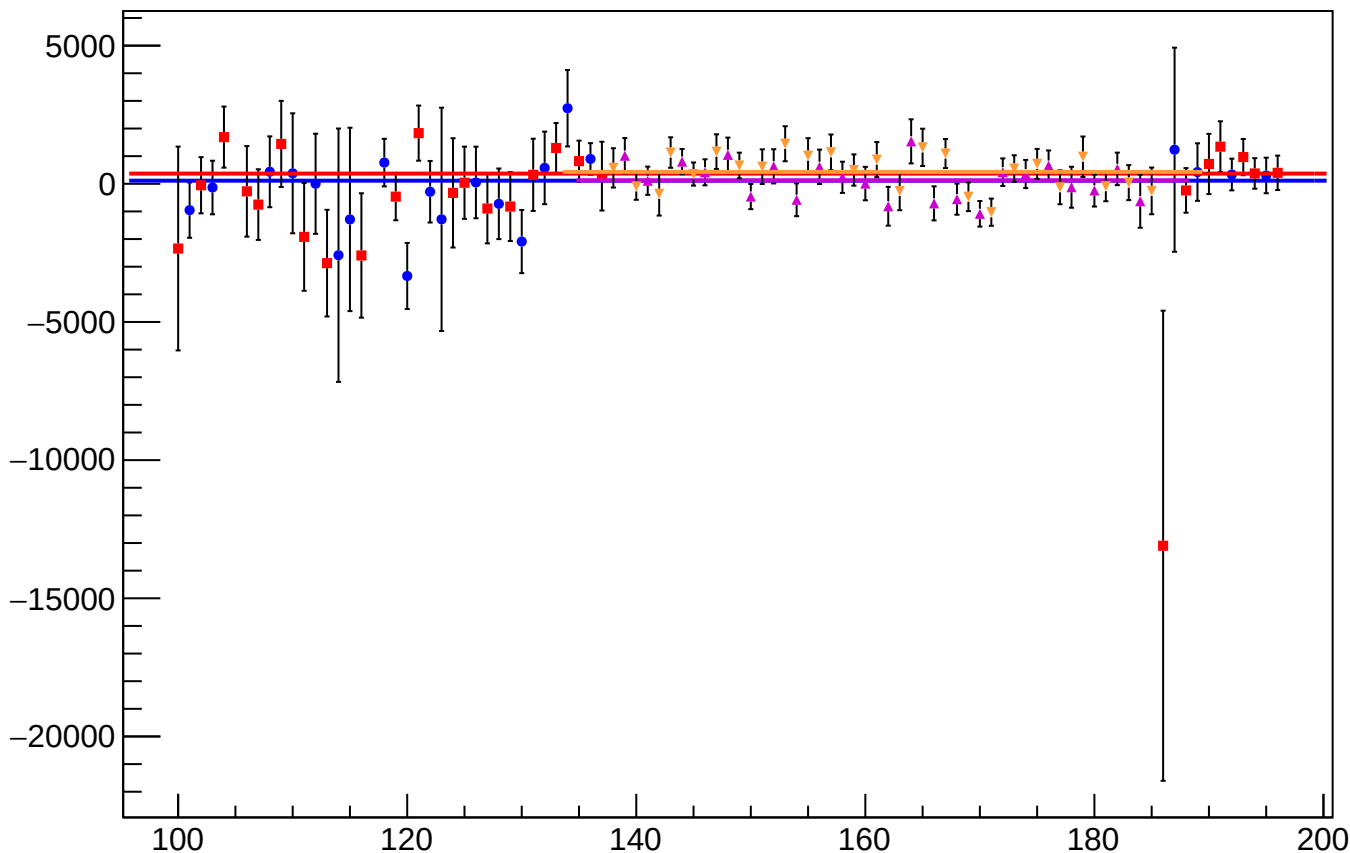
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 90.366 $\pm$ 0.012 χ^2 /NDF: 1279895.7/45

All: 90.710 $\pm$ 0.009 χ^2 /NDF: 3031859.8/94

- sign 91.045 $\pm$ 0.012 χ^2 /NDF: 1750439.6/48

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 113.061 ± 230.484 χ^2/NDF : 21.1/20

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 369.431 ± 202.060 χ^2/NDF : 21.2/25

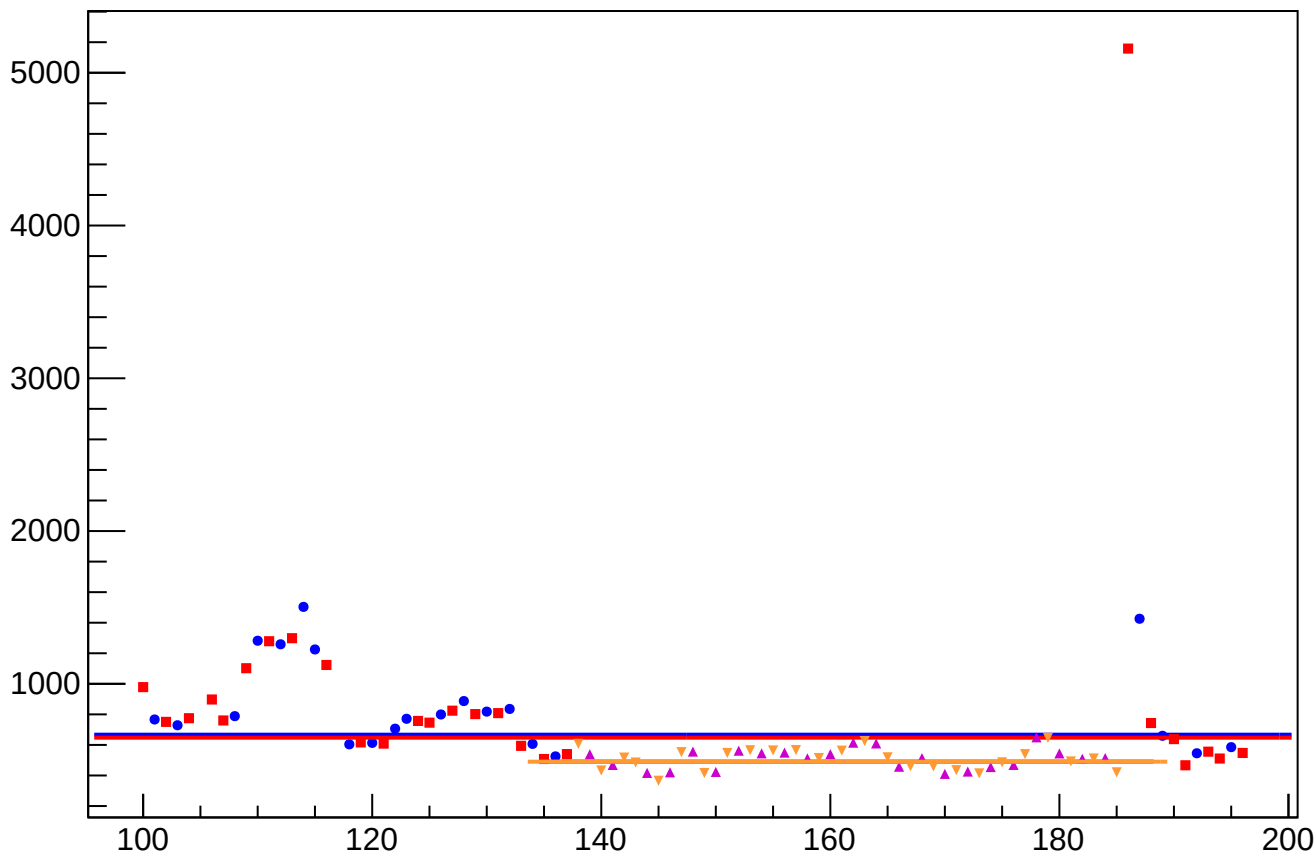
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 367.528 ± 103.407 χ^2/NDF : 53.1/45

All: 276.093 ± 72.776 χ^2/NDF : 106.3/94

- sign 186.355 ± 102.442 χ^2/NDF : 51.6/48

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 667.030 $\pm$ 0.163 χ^2 /NDF: 1043160.9/20

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 647.572 $\pm$ 0.143 χ^2 /NDF: 1919080.6/25

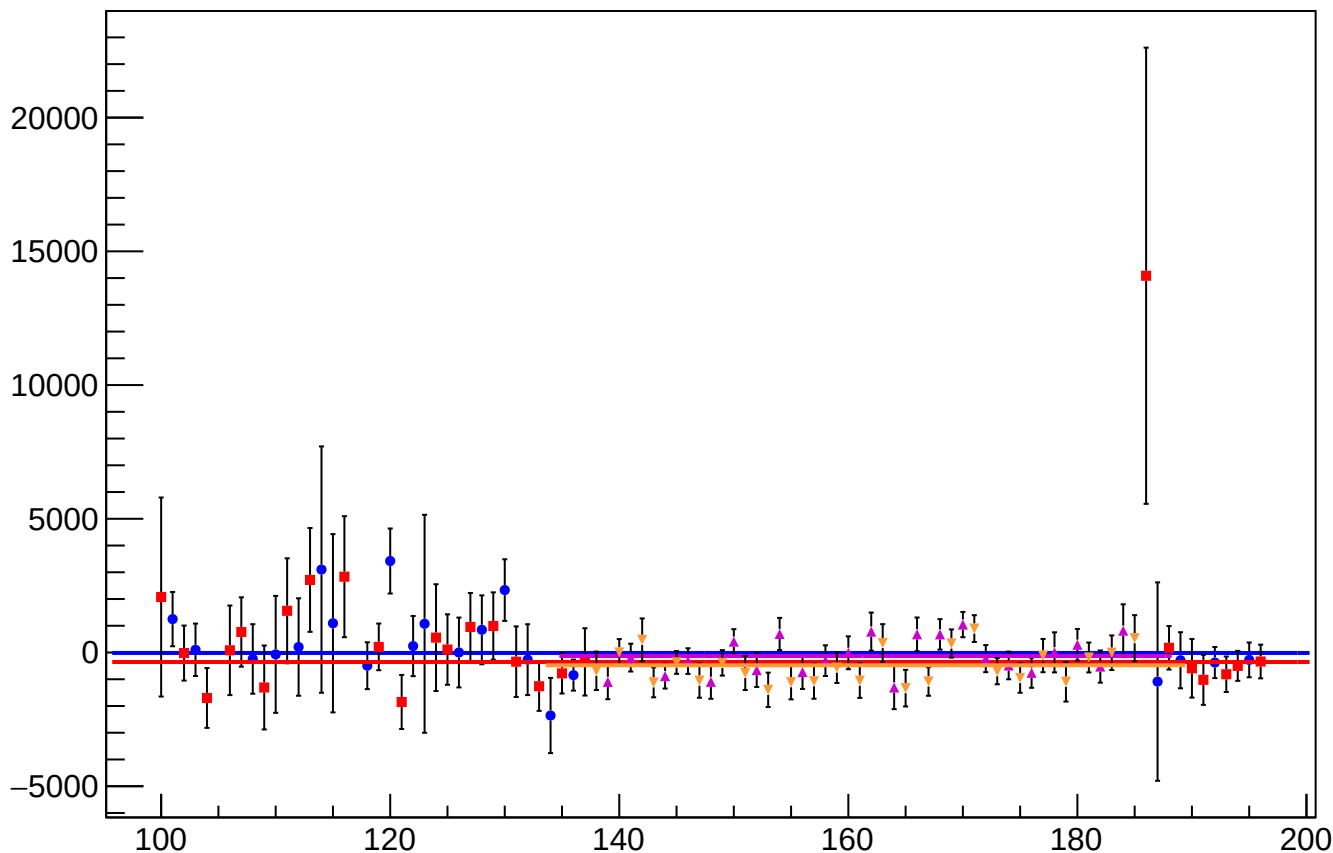
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 525.847 $\pm$ 0.073 χ^2 /NDF: 2732991.9/45

All: 528.538 $\pm$ 0.051 χ^2 /NDF: 6137233.0/94

- sign 531.178 $\pm$ 0.072 χ^2 /NDF: 3401558.4/48

asym_sam_26_48_dd_mean vs Slug



Right In: -17.063 ± 233.168 χ^2/NDF : 20.8/20

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -354.873 ± 204.604 χ^2/NDF : 19.4/25

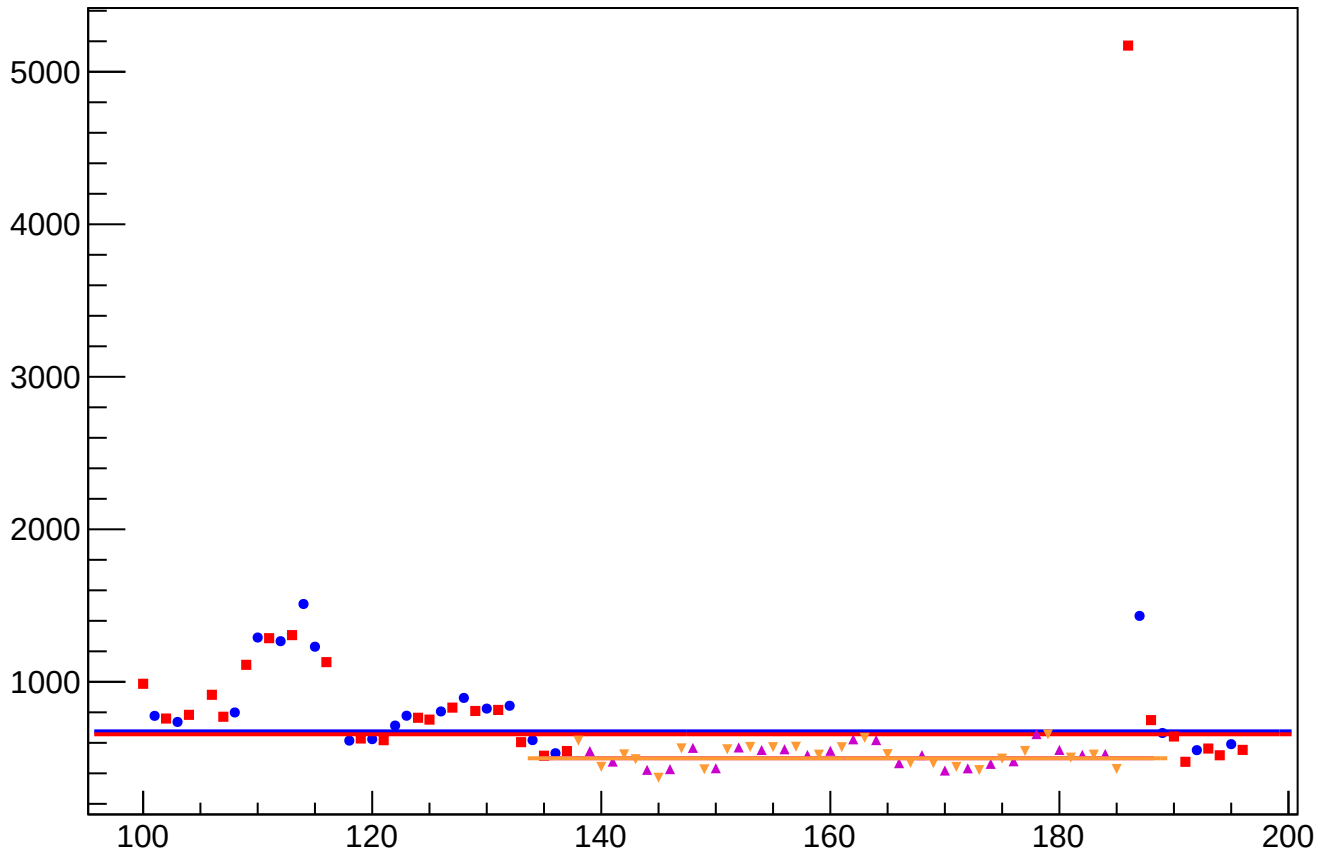
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -384.608 ± 105.043 χ^2/NDF : 51.7/45

All: -286.423 ± 73.928 χ^2/NDF : 103.3/94

- sign -190.058 ± 104.065 χ^2/NDF : 49.9/48

asym_sam_26_48_dd_rms vs Slug



Right In: 675.142 $\pm$ 0.165 χ^2 /NDF: 1029442.8/20

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 656.141 $\pm$ 0.145 χ^2 /NDF: 1895839.5/25

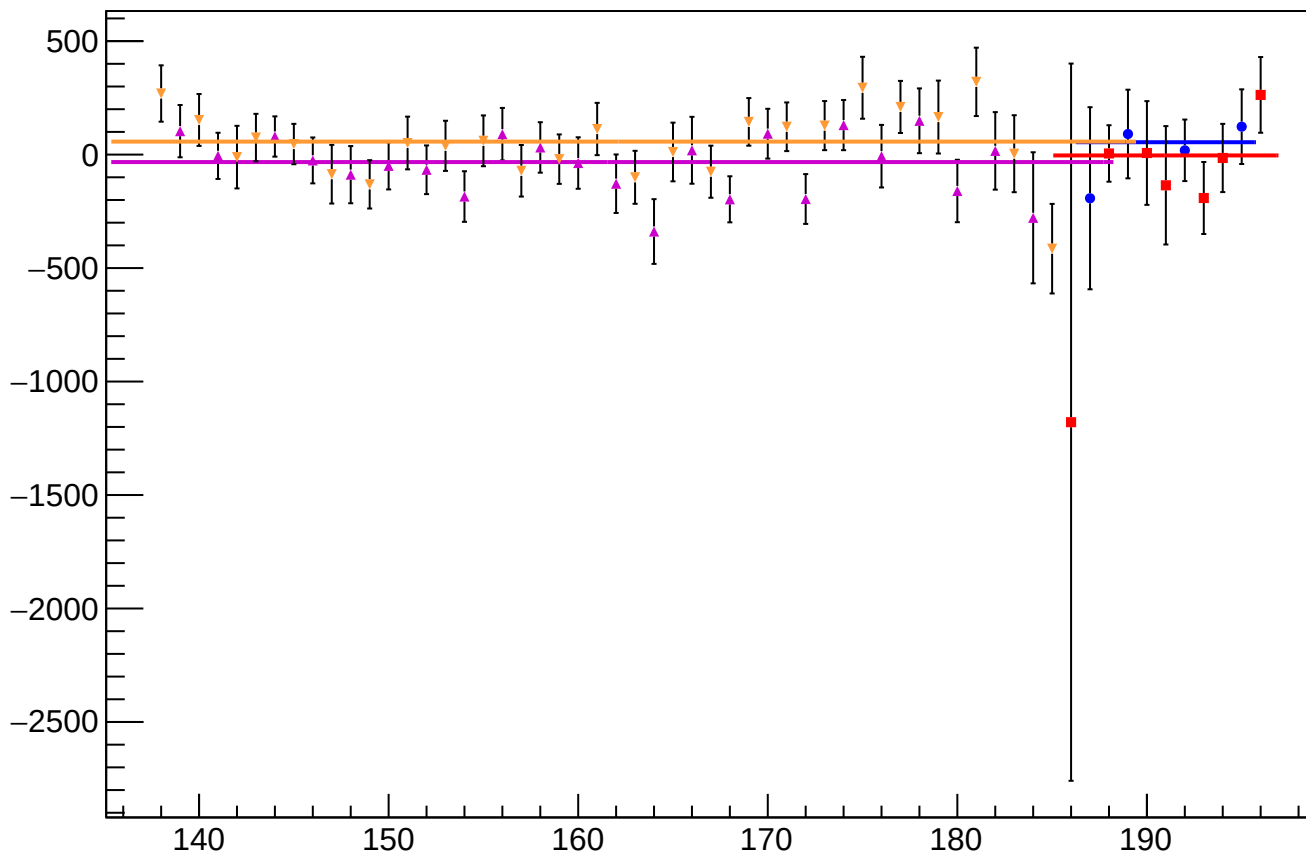
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 534.553 $\pm$ 0.074 χ^2 /NDF: 2675987.5/45

All: 537.273 $\pm$ 0.052 χ^2 /NDF: 6021204.3/94

- sign 539.942 $\pm$ 0.074 χ^2 /NDF: 3342559.4/48

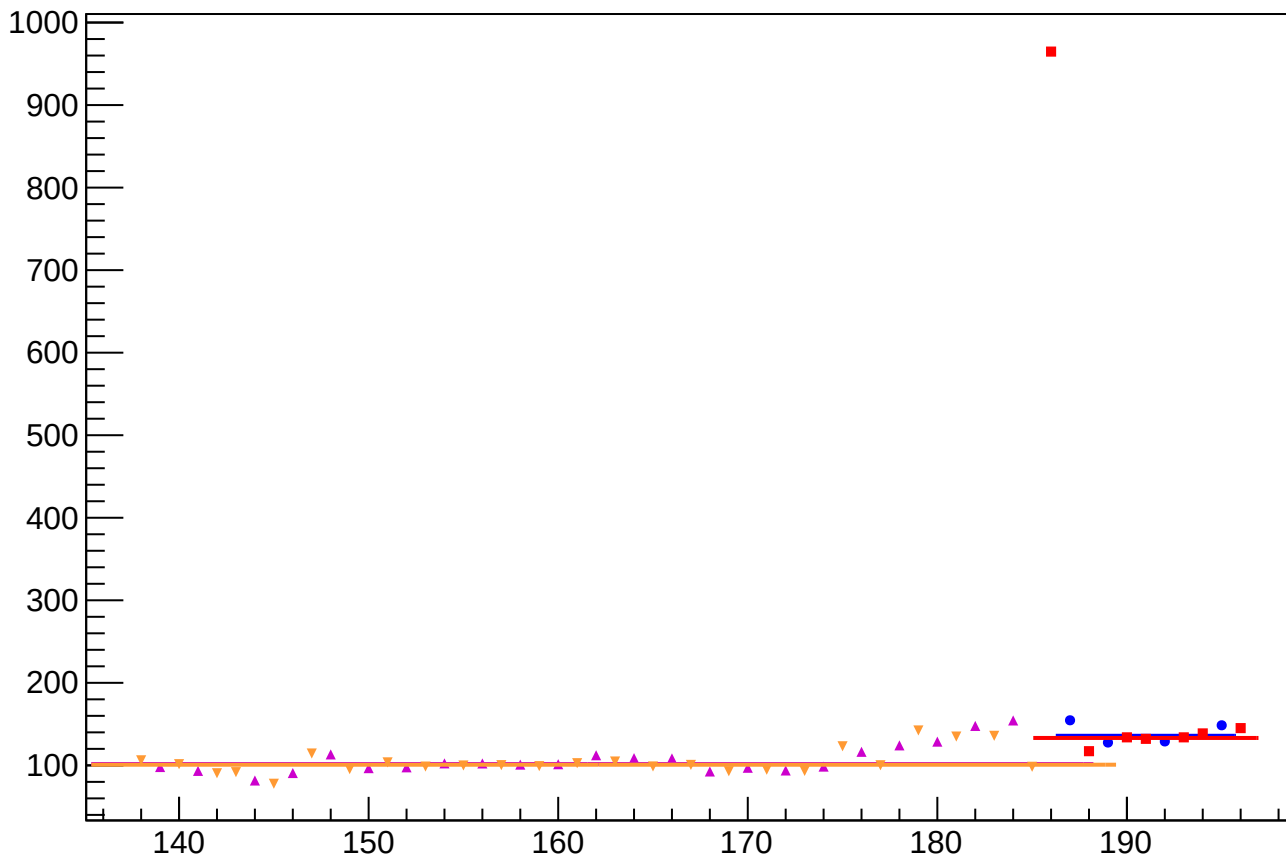
reg_asym_sam_1548_avg_mean vs Slug



Right In: 54.540 ± 89.876 $\chi^2/\text{NDF}: 0.7/3$
 Left Out: 57.211 ± 23.714 $\chi^2/\text{NDF}: 29.2/24$
 Right Out: -3.724 ± 67.609 $\chi^2/\text{NDF}: 4.8/6$
 Left In: -32.948 ± 24.587 $\chi^2/\text{NDF}: 23.6/22$

+ sign 57.037 ± 22.929 $\chi^2/\text{NDF}: 29.8/28$
 All: 14.085 ± 16.276 $\chi^2/\text{NDF}: 65.5/58$
 - sign -29.535 ± 23.107 $\chi^2/\text{NDF}: 28.6/29$

reg_asym_sam_1548_avg_rms vs Slug



Right In: 135.840 $\pm$ 0.064 χ^2 /NDF: 24926.6/3

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 133.210 $\pm$ 0.048 χ^2 /NDF: 600098.1/6

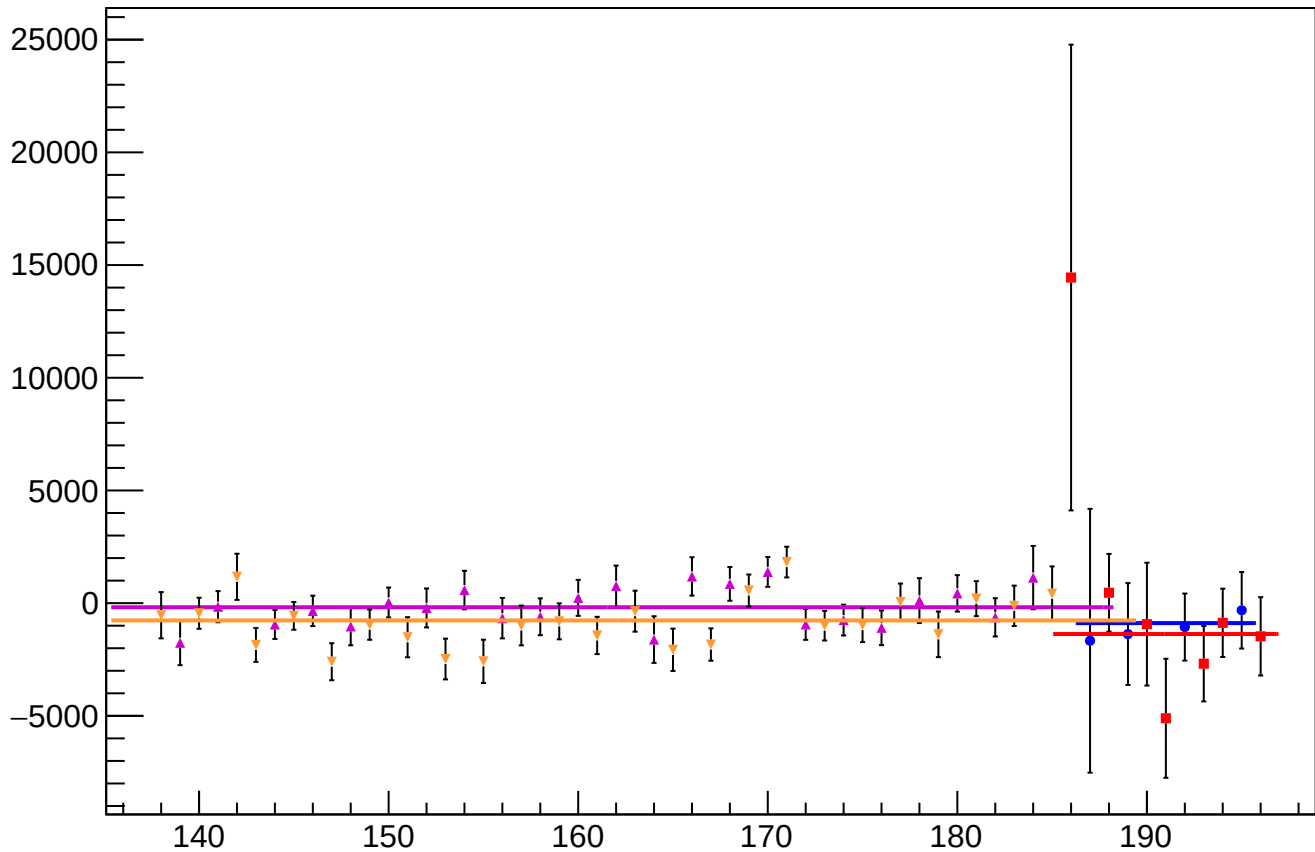
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 103.081 $\pm$ 0.016 χ^2 /NDF: 909627.4/28

All: 104.188 $\pm$ 0.012 χ^2 /NDF: 2487033.0/58

- sign 105.311 $\pm$ 0.016 χ^2 /NDF: 1568016.6/29

asym_sam_1548_avg_correction_mean vs Slug



Right In: -885.129+/-988.359 χ^2/NDF : 0.2/3

Left Out: -766.358+/-161.066 χ^2/NDF : 46.5/24

Right Out: -1369.678+/-756.153 χ^2/NDF : 6.2/6

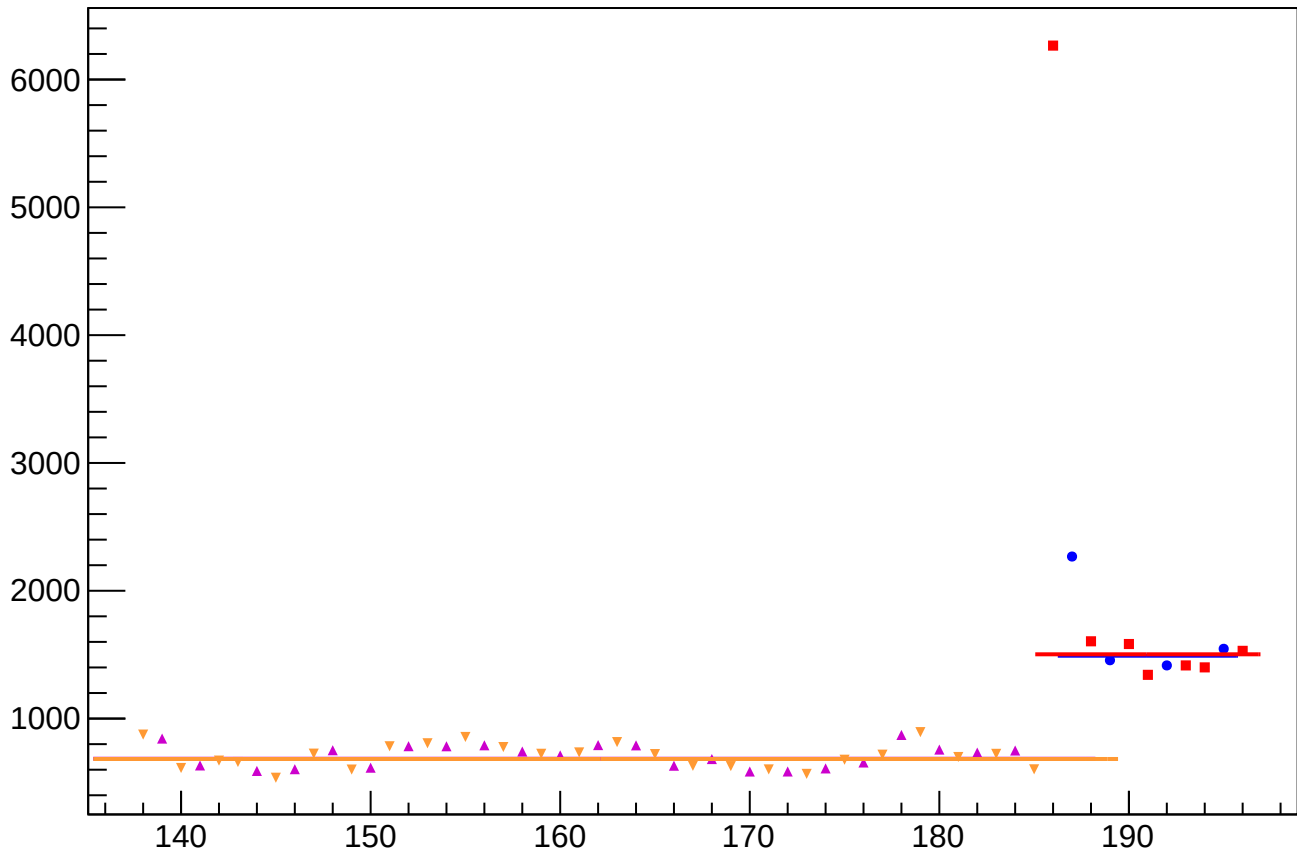
Left In: -181.584+/-165.671 χ^2/NDF : 25.0/22

+ sign -769.430+/-158.969 χ^2/NDF : 46.7/28

All: -507.477+/-113.407 χ^2/NDF : 85.9/58

- sign -236.004+/-161.832 χ^2/NDF : 33.6/29

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1492.028+/-0.699 χ^2/NDF : 42896.0/3

Left Out: 683.884+/-0.114 χ^2/NDF : 667158.2/24

Right Out: 1502.896+/-0.535 χ^2/NDF : 456129.1/6

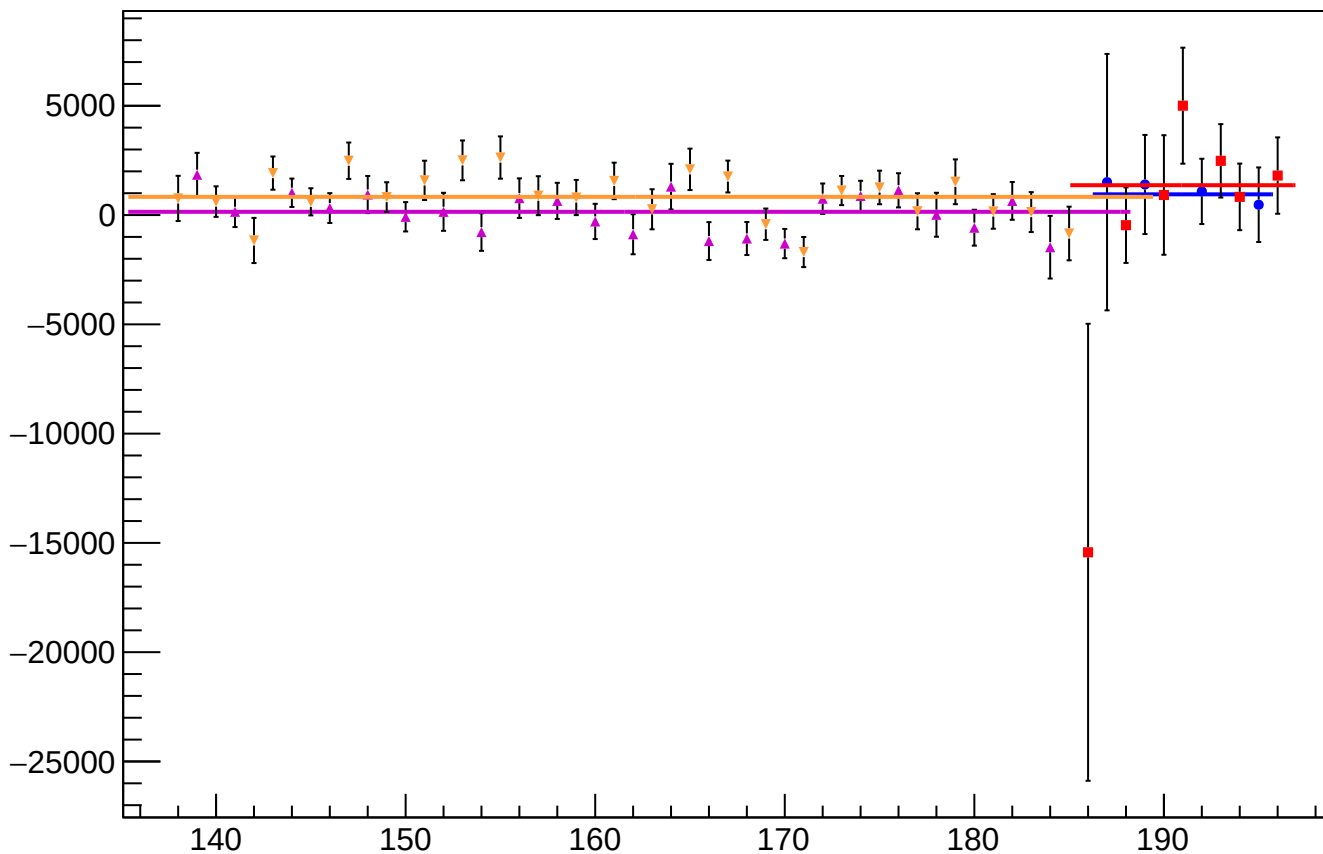
Left In: 685.593+/-0.117 χ^2/NDF : 529353.6/22

+ sign 704.791+/-0.112 χ^2/NDF : 2012605.5/28

All: 713.747+/-0.080 χ^2/NDF : 5240550.8/58

- sign 723.029+/-0.114 χ^2/NDF : 3215018.0/29

asym_sam_1548_avg_mean vs Slug



Right In: 948.843 $\pm$ 992.682 χ^2 /NDF: 0.1/3

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF:43.2/24

Right Out: 1366.299 $\pm$ 759.582 χ^2 /NDF: 6.2/6

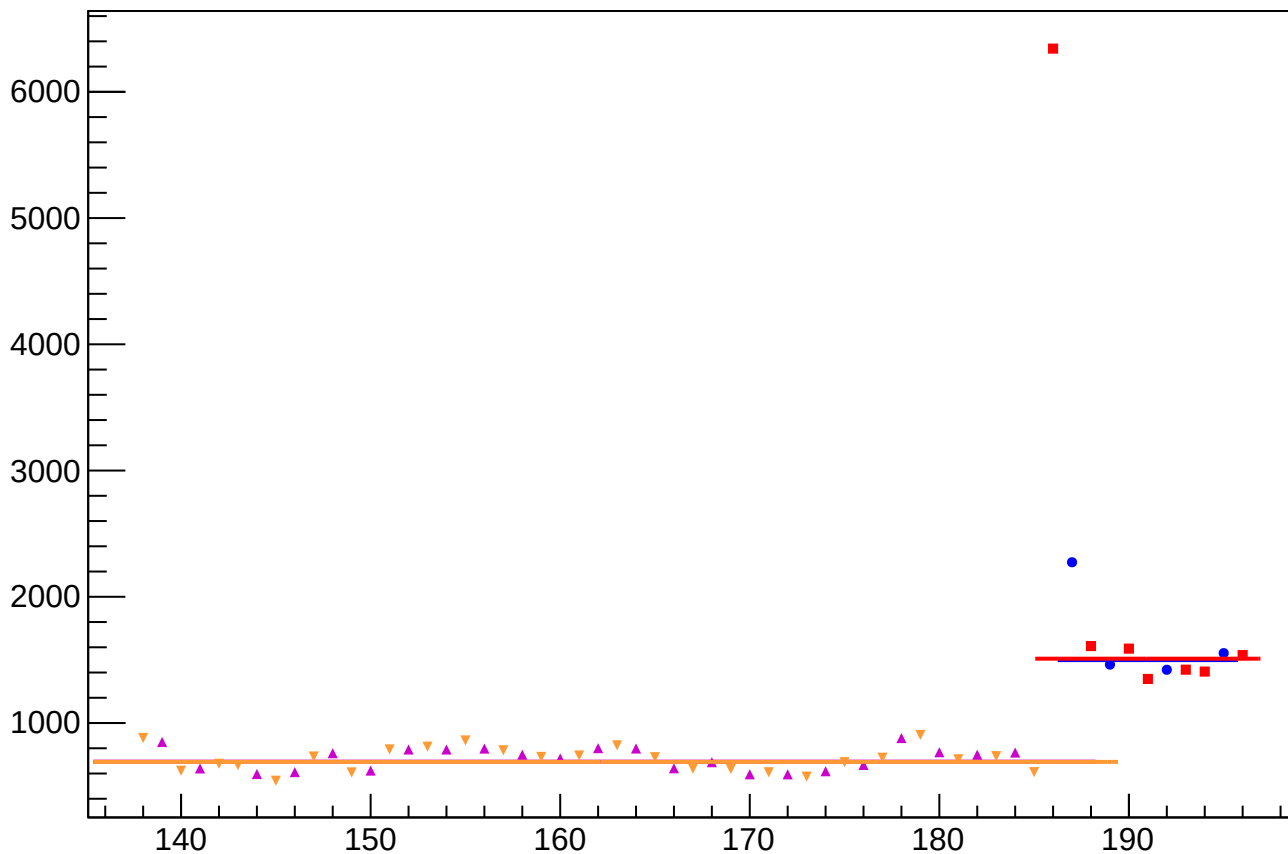
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF:26.0/22

+ sign 836.425 $\pm$ 160.812 χ^2 /NDF: 43.4/28

All: 526.518 $\pm$ 114.720 χ^2 /NDF: 85.6/58

- sign 205.364 $\pm$ 163.704 χ^2 /NDF: 34.7/29

asym_sam_1548_avg_rms vs Slug



Right In: 1498.610+/-0.702 χ^2/NDF : 42756.1/3

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1509.644+/-0.537 χ^2/NDF : 457905.1/6

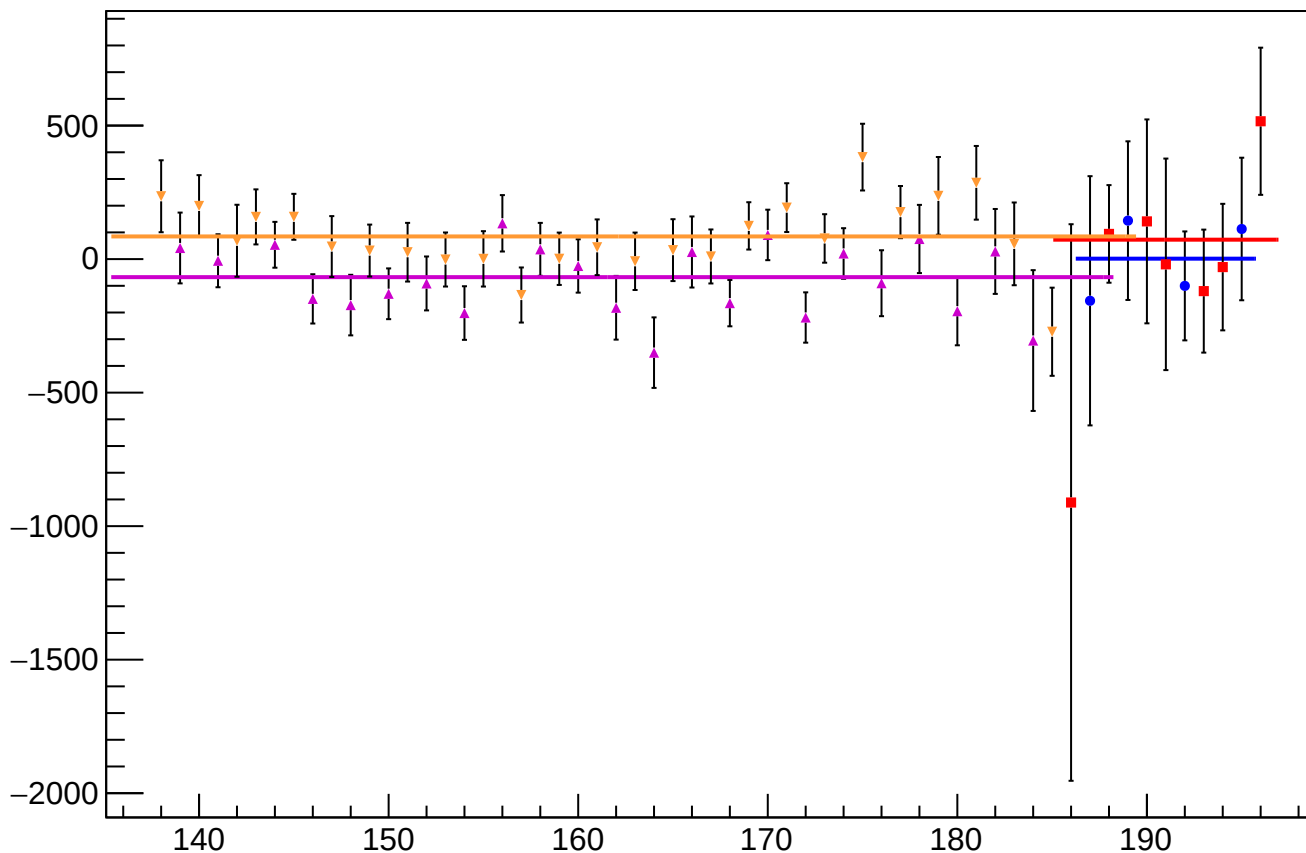
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 713.262+/-0.114 χ^2/NDF : 1985548.4/28

All: 722.346+/-0.081 χ^2/NDF : 5178221.9/58

- sign 731.759+/-0.116 χ^2/NDF : 3179680.1/29

reg_asym_sam_3748_avg_mean vs Slug



Right In: 1.608 ± 136.091 χ^2/NDF : 0.8/3

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 72.733 ± 103.176 χ^2/NDF : 4.5/6

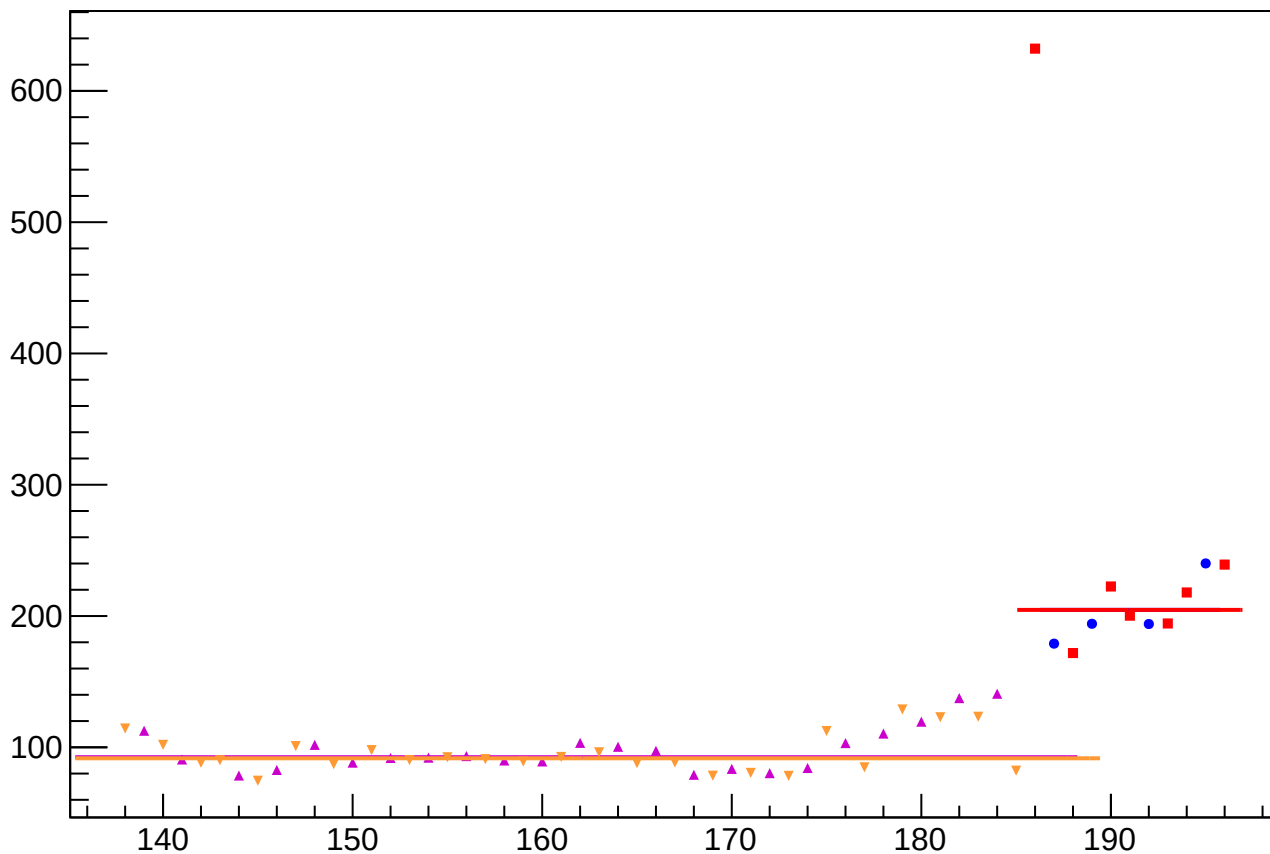
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 82.806 ± 21.374 χ^2/NDF : 29.6/28

All: 12.665 ± 15.309 χ^2/NDF : 86.8/58

- sign -61.211 ± 21.936 χ^2/NDF : 35.1/29

reg_asym_sam_3748_avg_rms vs Slug



Right In: 204.678 $\pm$ 0.096 χ^2 /NDF: 49334.4/3

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF:693122.0/24

Right Out: 204.670 $\pm$ 0.073 χ^2 /NDF: 447572.3/6

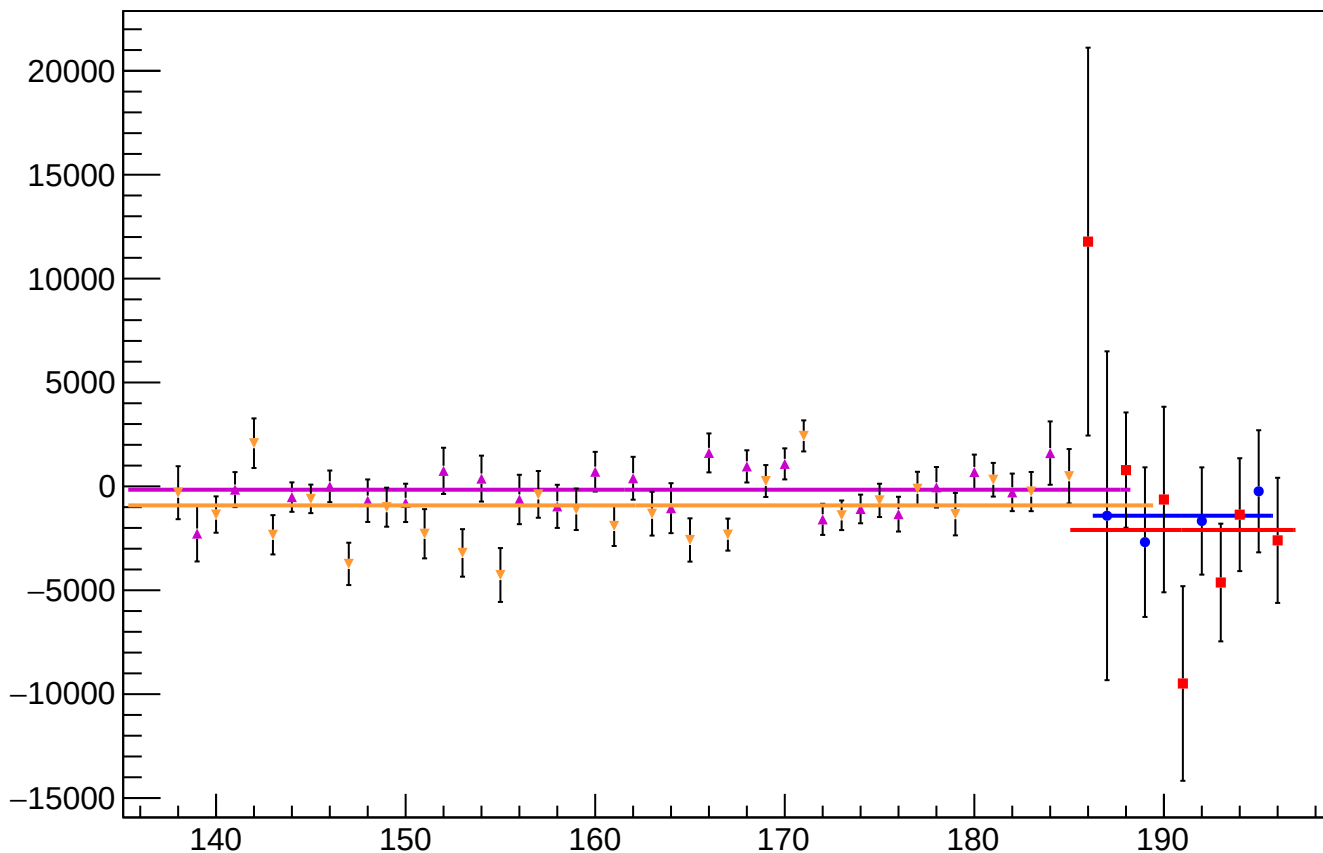
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF:655700.4/22

+ sign 94.421 $\pm$ 0.015 χ^2 /NDF: 2088416.8/28

All: 95.939 $\pm$ 0.011 χ^2 /NDF: 5470795.8/58

- sign 97.538 $\pm$ 0.016 χ^2 /NDF: 3361670.8/29

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1412.459 ± 1669.093 χ^2/NDF : 0.3/3

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -2098.505 ± 1282.873 χ^2/NDF : 6.8/6

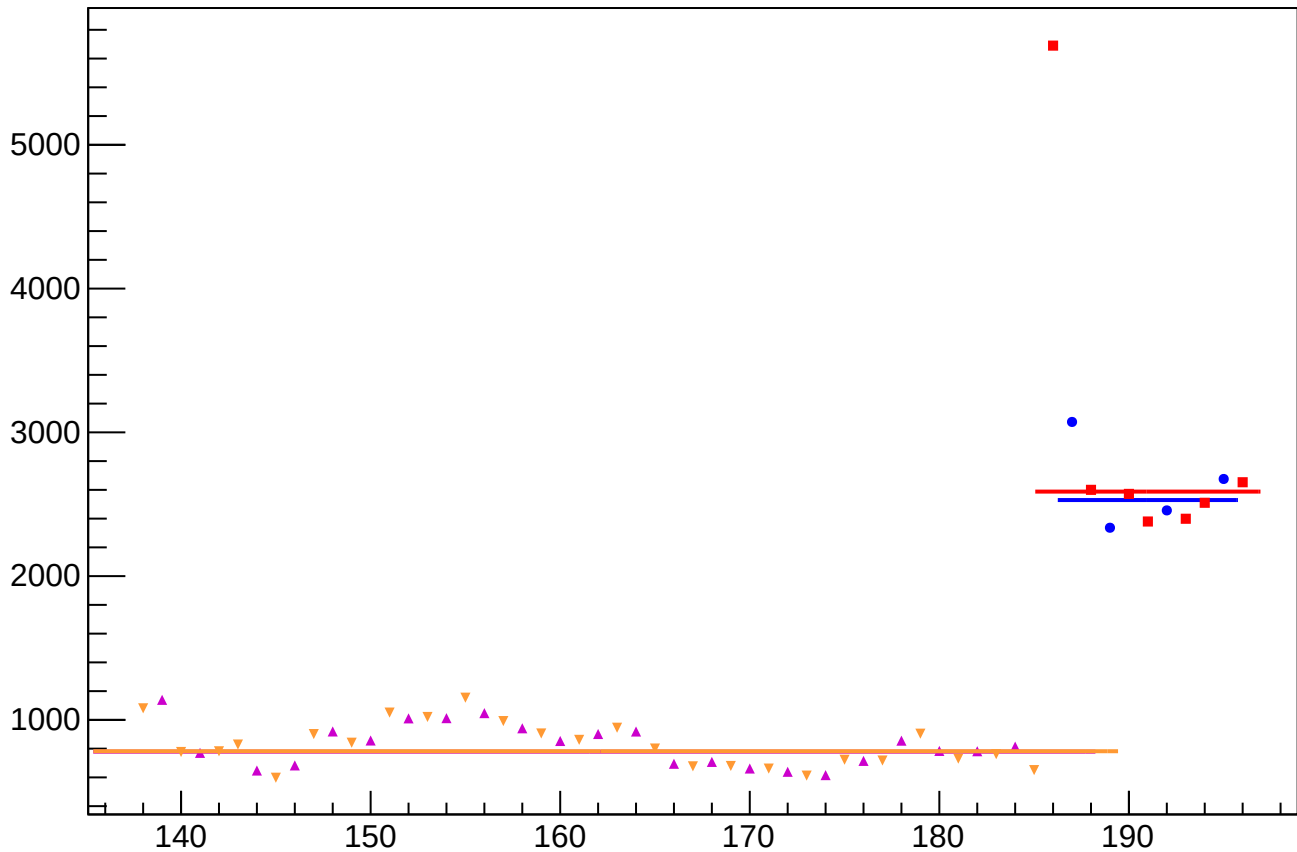
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -920.782 ± 184.209 χ^2/NDF : 64.6/28

All: -567.890 ± 131.388 χ^2/NDF : 106.1/58

- sign -202.444 ± 187.457 χ^2/NDF : 34.1/29

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2529.154 $\pm$ 1.180 χ^2 /NDF: 21687.4/3

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2587.945 $\pm$ 0.907 χ^2 /NDF: 236377.9/6

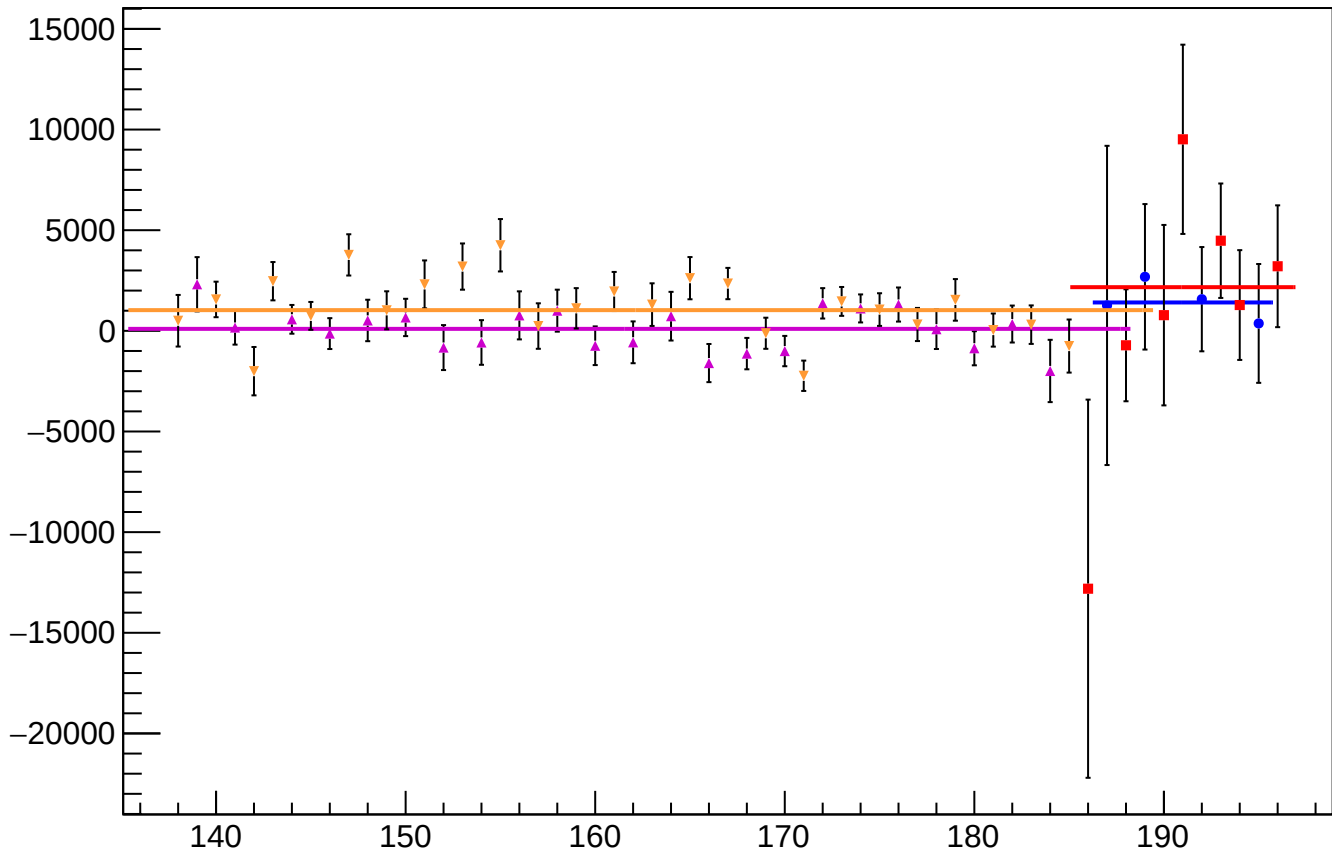
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 803.322 $\pm$ 0.130 χ^2 /NDF: 3317323.5/28

All: 810.346 $\pm$ 0.093 χ^2 /NDF: 8431588.4/58

- sign 817.619 $\pm$ 0.133 χ^2 /NDF: 5108346.5/29

asym_sam_3748_avg_mean vs Slug



Right In: 1410.235 $\pm$ 1675.163 χ^2 /NDF: 0.3/3

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF: 60.2/24

Right Out: 2169.587 $\pm$ 1287.663 χ^2 /NDF: 7.0/6

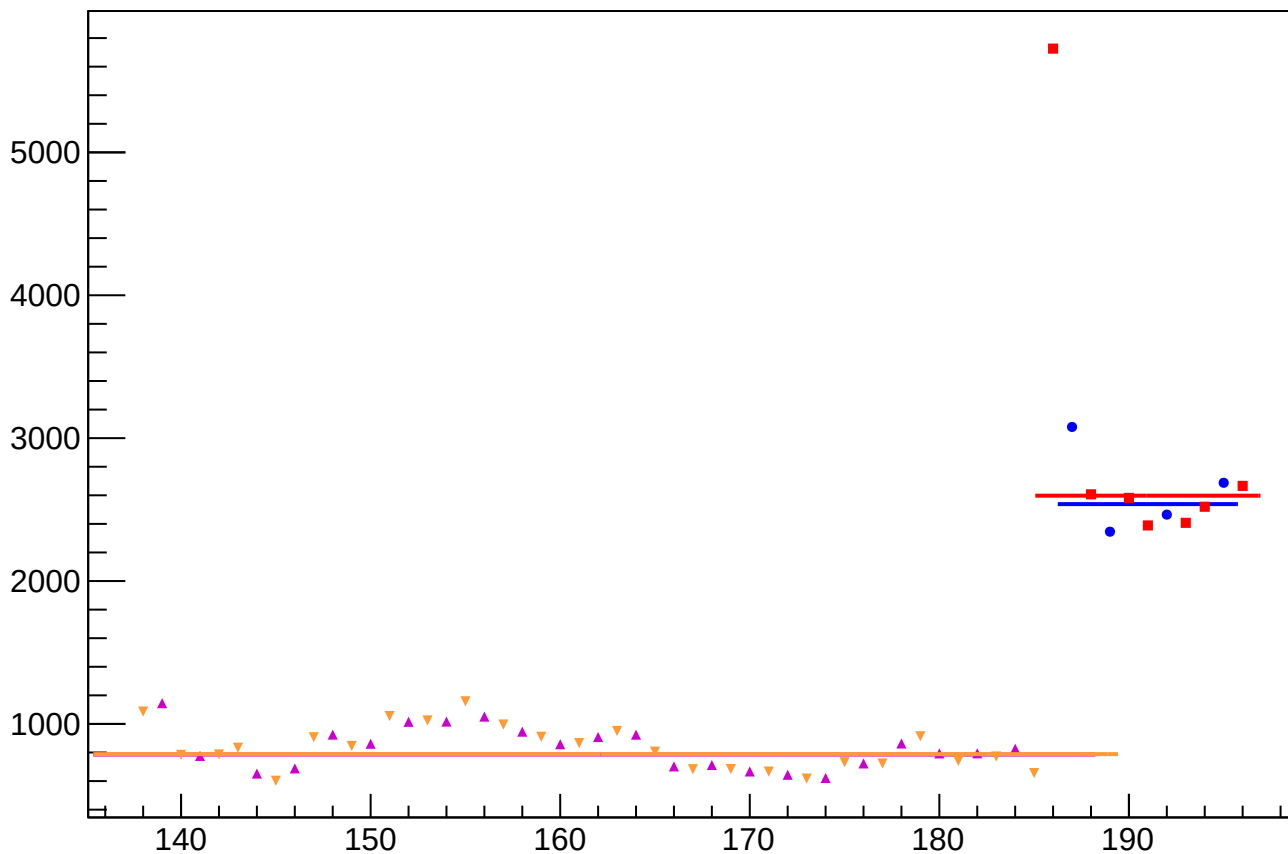
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF: 25.4/22

+ sign 1033.548 $\pm$ 185.659 χ^2 /NDF: 60.5/28

All: 596.258 $\pm$ 132.432 χ^2 /NDF: 106.7/58

- sign 143.286 $\pm$ 188.959 χ^2 /NDF: 35.0/29

asym_sam_3748_avg_rms vs Slug



Right In: 2538.344 $\pm$ 1.185 χ^2/NDF : 21708.0/3

Left Out: 788.442 $\pm$ 0.132 χ^2/NDF : 1113741.6/24

Right Out: 2597.493 $\pm$ 0.911 χ^2/NDF : 237427.6/6

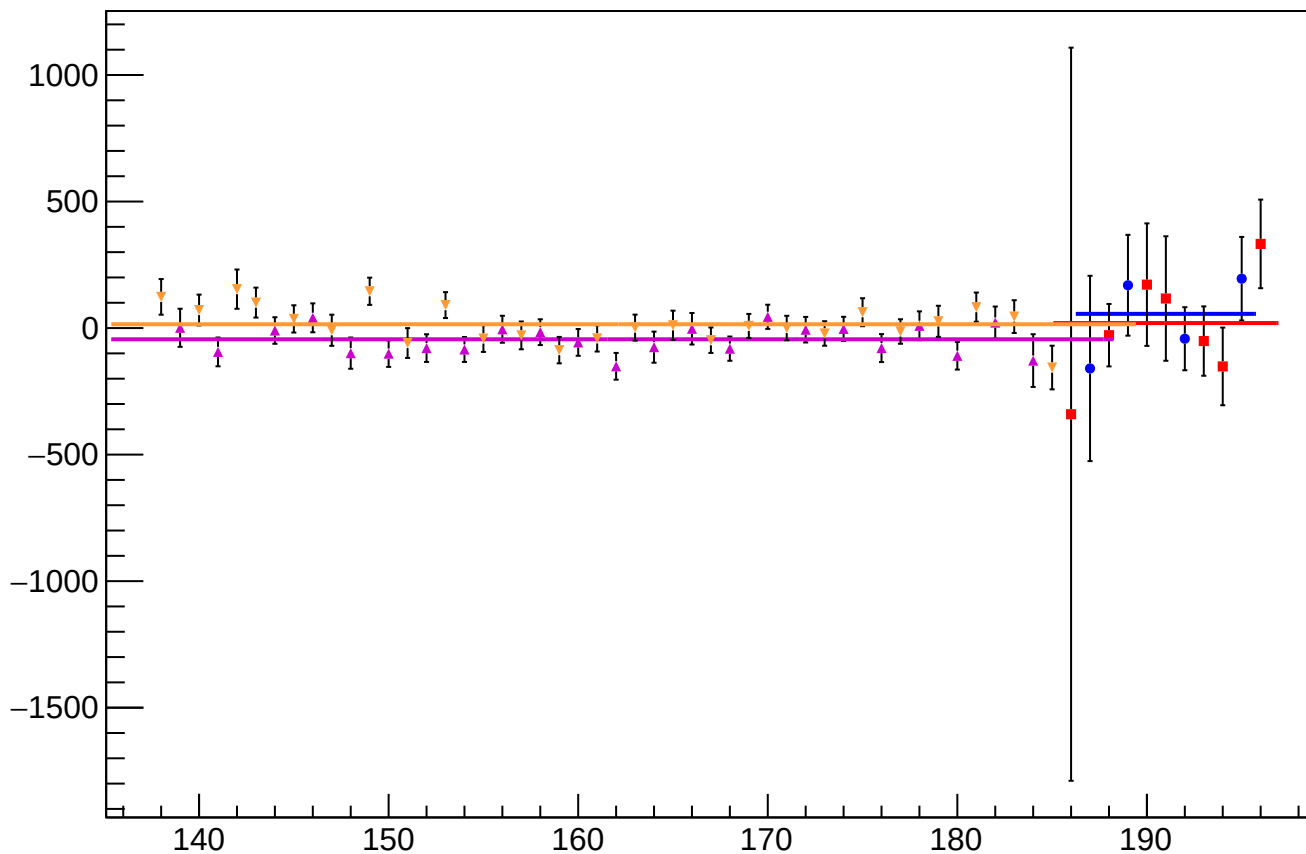
Left In: 785.490 $\pm$ 0.135 χ^2/NDF : 965338.9/22

+ sign 809.937 $\pm$ 0.131 χ^2/NDF : 3291088.5/28

All: 817.095 $\pm$ 0.094 χ^2/NDF : 8375060.0/58

- sign 824.511 $\pm$ 0.134 χ^2/NDF : 5077918.1/29

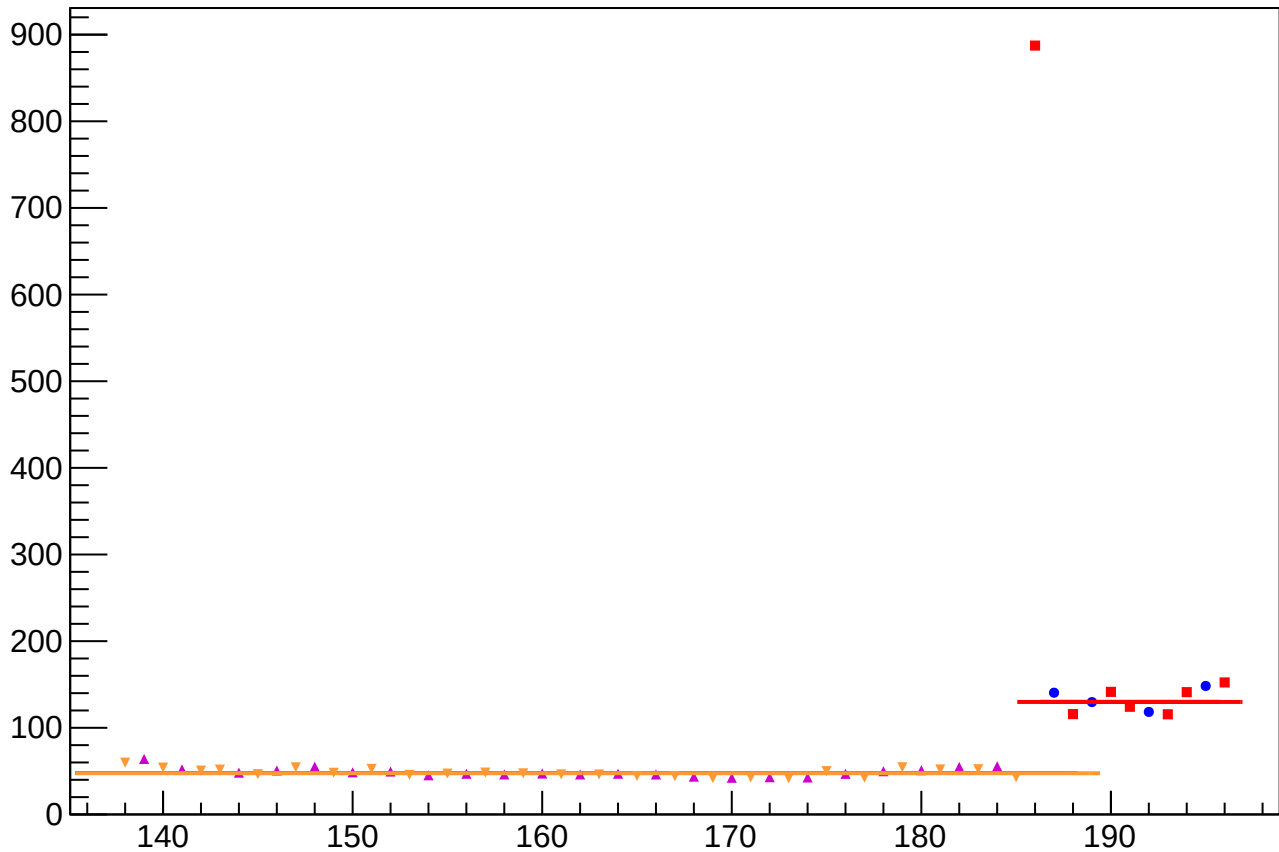
reg_asym_sam_1526_avg_mean vs Slug



Right In: 56.179 ± 86.414 $\chi^2/\text{NDF}: 2.0/3$
 Left Out: 15.099 ± 11.154 $\chi^2/\text{NDF}: 34.2/24$
 Right Out: 19.847 ± 66.197 $\chi^2/\text{NDF}: 5.5/6$
 Left In: -44.297 ± 11.530 $\chi^2/\text{NDF}: 22.3/22$

+ sign 15.772 ± 11.062 $\chi^2/\text{NDF}: 36.4/28$
 All: -12.550 ± 7.925 $\chi^2/\text{NDF}: 78.6/58$
 - sign -42.409 ± 11.359 $\chi^2/\text{NDF}: 28.7/29$

reg_asym_sam_1526_avg_rms vs Slug



Right In: 129.934 $\pm$ 0.061 χ^2 /NDF: 43852.9/3

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 129.849 $\pm$ 0.047 χ^2 /NDF: 644139.0/6

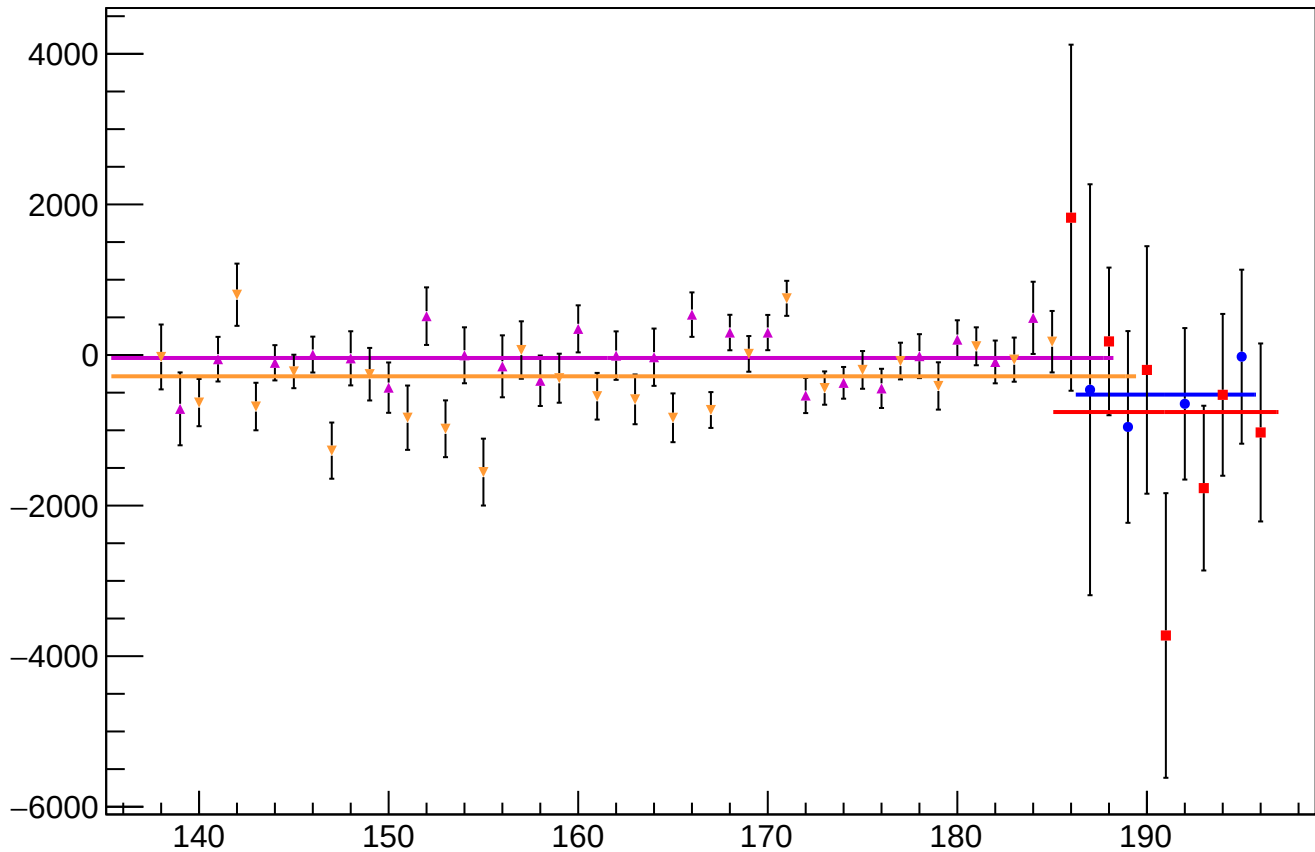
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 48.936 $\pm$ 0.008 χ^2 /NDF: 2143161.8/28

All: 49.581 $\pm$ 0.006 χ^2 /NDF: 6061764.2/58

- sign 50.260 $\pm$ 0.008 χ^2 /NDF: 3904642.4/29

asym_sam_1526_avg_correction_mean vs Slug



Right In: -525.949+/-633.993 χ^2/NDF : 0.3/3

Left Out: -282.798+/-59.690 χ^2/NDF : 66.5/24

Right Out: -757.344+/-482.446 χ^2/NDF : 5.7/6

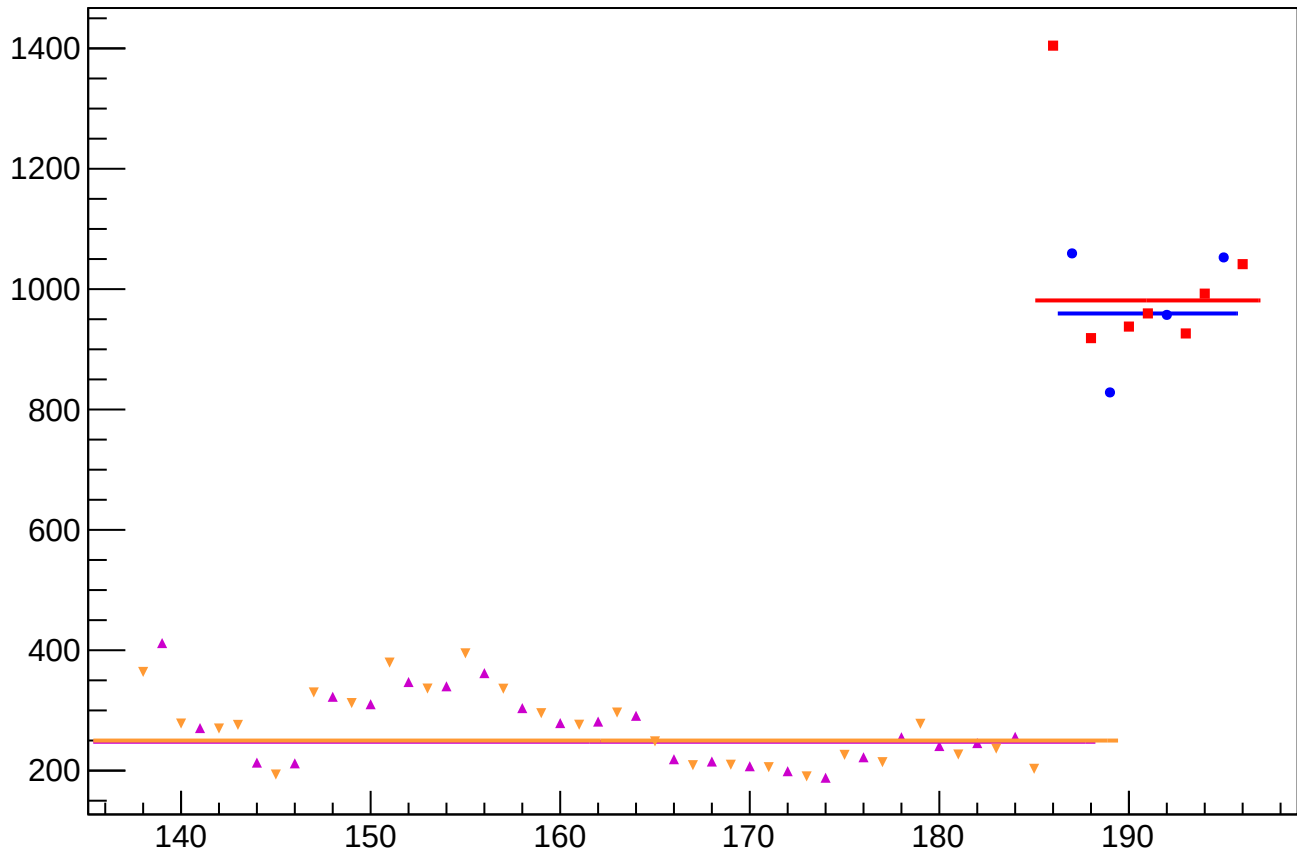
Left In: -39.432+/-60.759 χ^2/NDF : 27.5/22

+ sign -284.935+/-59.427 χ^2/NDF : 67.0/28

All: -169.462+/-42.321 χ^2/NDF : 110.1/58

- sign -50.641+/-60.283 χ^2/NDF : 35.4/29

asym_sam_1526_avg_correction_rms vs Slug



Right In: 959.529 $\pm$ 0.448 χ^2/NDF : 36896.1/3

Left Out: 249.956 $\pm$ 0.042 χ^2/NDF :1614205.9/24

Right Out: 981.225 $\pm$ 0.341 χ^2/NDF : 88133.6/6

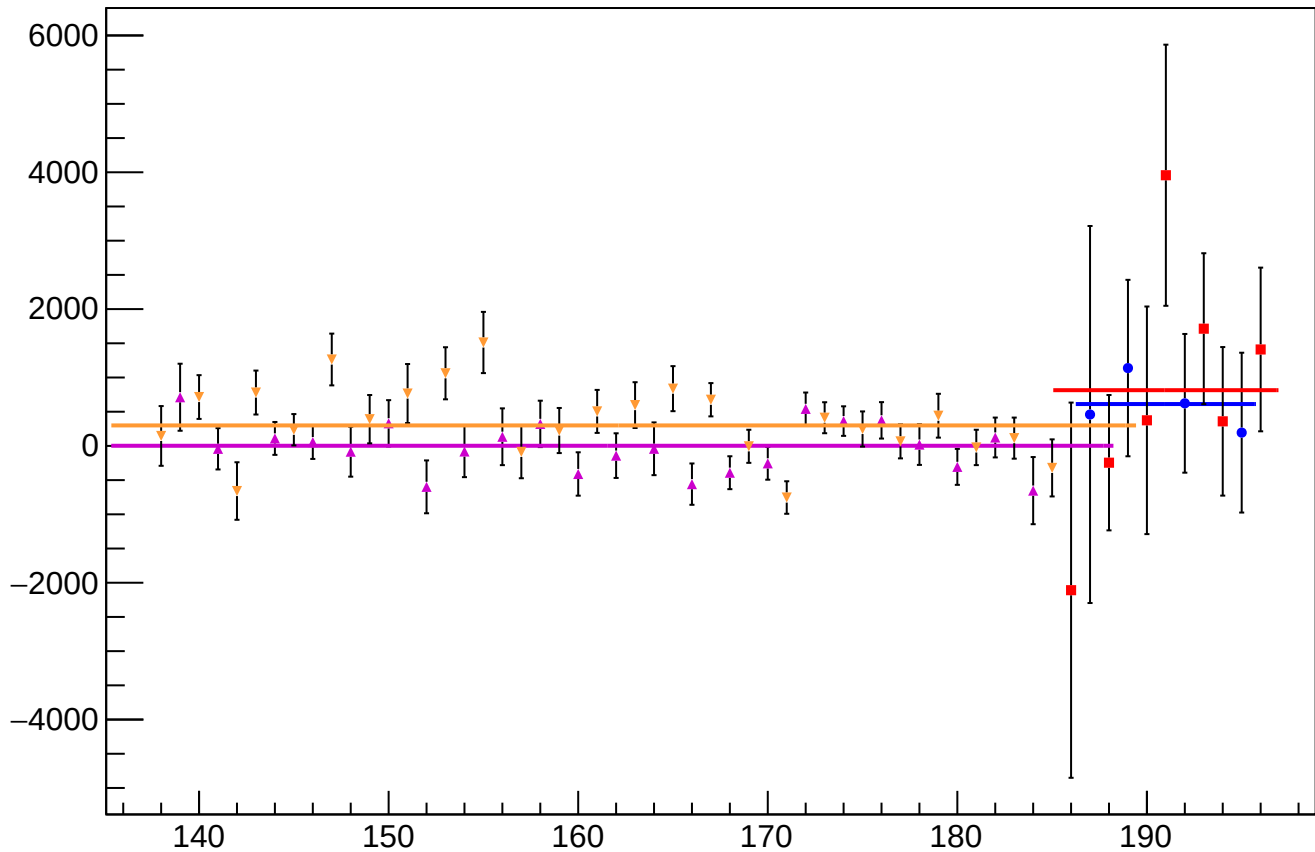
Left In: 247.917 $\pm$ 0.043 χ^2/NDF :1410847.5/22

+ sign 256.191 $\pm$ 0.042 χ^2/NDF : 4134361.7/28

All: 257.756 $\pm$ 0.030 χ^2/NDF : 10184688.8/50

- sign 259.366 $\pm$ 0.043 χ^2/NDF : 6047513.1/29

asym_sam_1526_avg_mean vs Slug



Right In: 612.105 $\pm$ 640.355 χ^2 /NDF: 0.3/3

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF: 62.5/24

Right Out: 814.652 $\pm$ 490.330 χ^2 /NDF: 6.2/6

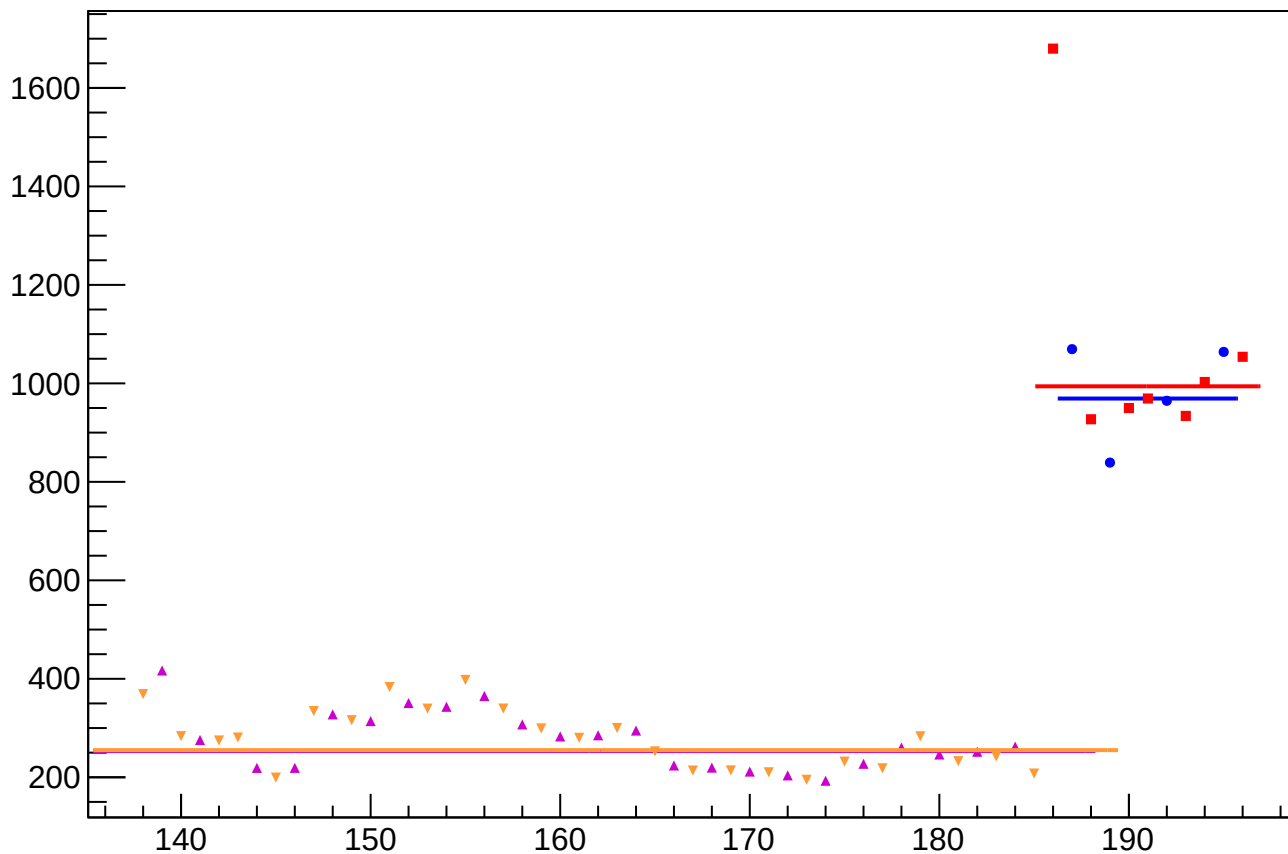
Left In: 2.185 $\pm$ 62.005 χ^2 /NDF: 29.2/22

+ sign 302.360 $\pm$ 60.587 χ^2 /NDF: 63.0/28

All: 160.851 $\pm$ 43.166 χ^2 /NDF: 112.1/58

- sign 14.973 $\pm$ 61.515 χ^2 /NDF: 38.0/29

asym_sam_1526_avg_rms vs Slug



Right In: 969.190 $\pm$ 0.453 χ^2/NDF : 36194.3/3

Left Out: 255.135 $\pm$ 0.043 χ^2/NDF :1542039.5/24

Right Out: 994.025 $\pm$ 0.347 χ^2/NDF : 147063.0/6

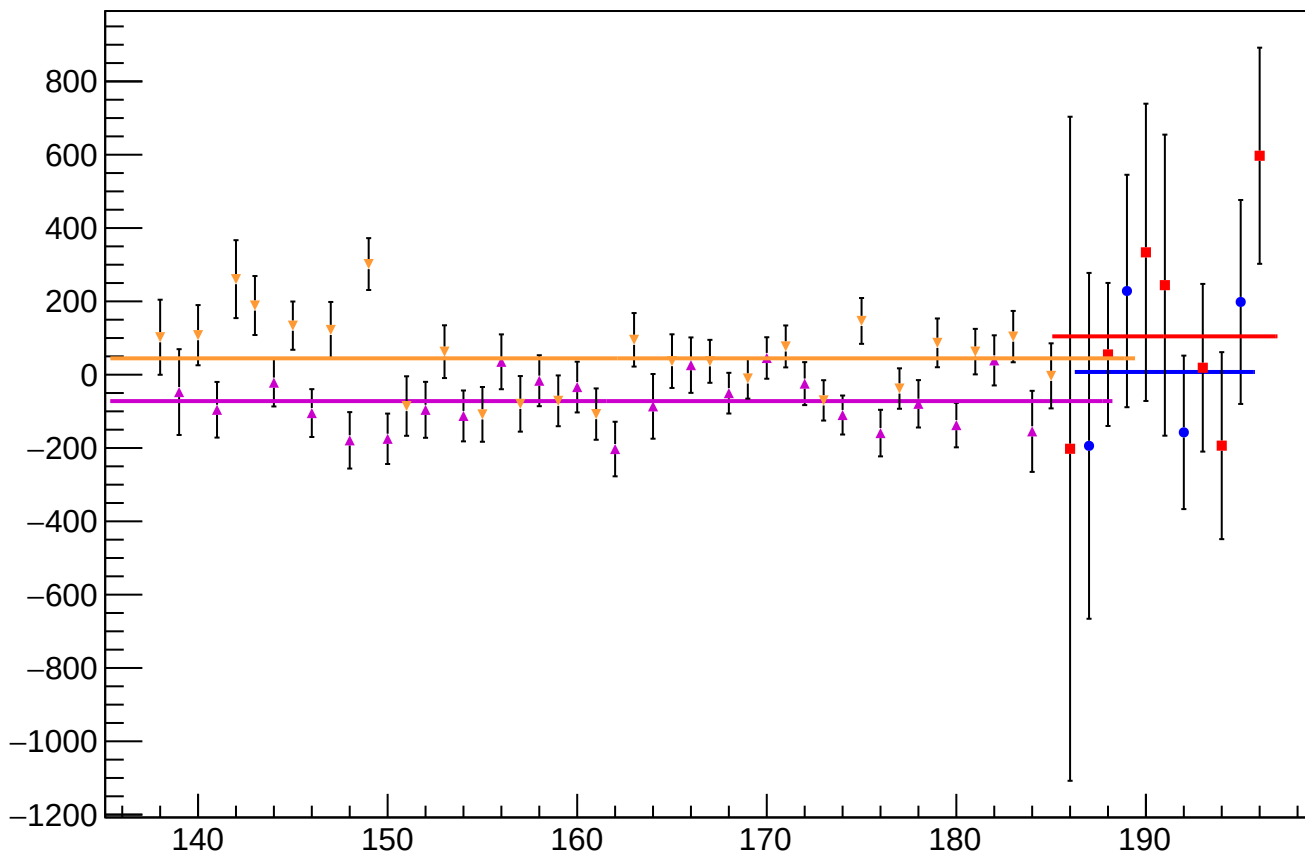
Left In: 253.287 $\pm$ 0.044 χ^2/NDF :1341662.3/22

+ sign 261.527 $\pm$ 0.043 χ^2/NDF : 4042834.8/28

All: 263.211 $\pm$ 0.031 χ^2/NDF : 10027240.7/58

- sign 264.946 $\pm$ 0.043 χ^2/NDF : 5981270.5/29

reg_asym_sam_3726_avg_mean vs Slug



Right In: 7.426 ± 141.150 χ^2/NDF : 1.8/3

Left Out: 44.602 ± 13.824 χ^2/NDF : 53.9/24

Right Out: 104.552 ± 108.142 χ^2/NDF : 4.9/6

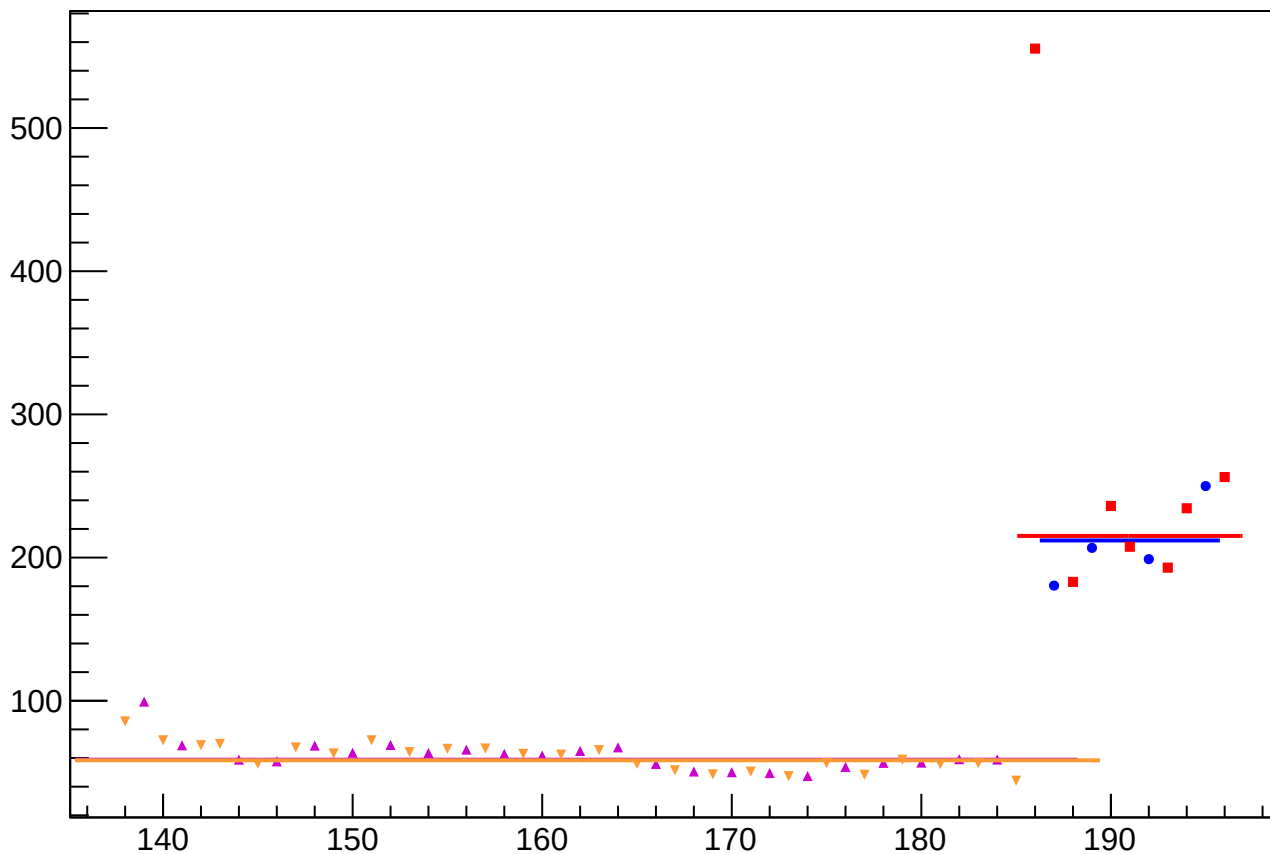
Left In: -72.037 ± 14.296 χ^2/NDF : 25.3/22

+ sign 44.249 ± 13.758 χ^2/NDF : 55.7/28

All: -10.697 ± 9.872 χ^2/NDF : 121.4/58

- sign -69.004 ± 14.173 χ^2/NDF : 32.8/29

reg_asym_sam_3726_avg_rms vs Slug



Right In: 211.955 $\pm$ 0.100 χ^2/NDF : 54523.1/3

Left Out: 58.423 $\pm$ 0.010 χ^2/NDF : 790091.3/24

Right Out: 215.128 $\pm$ 0.076 χ^2/NDF : 411828.9/6

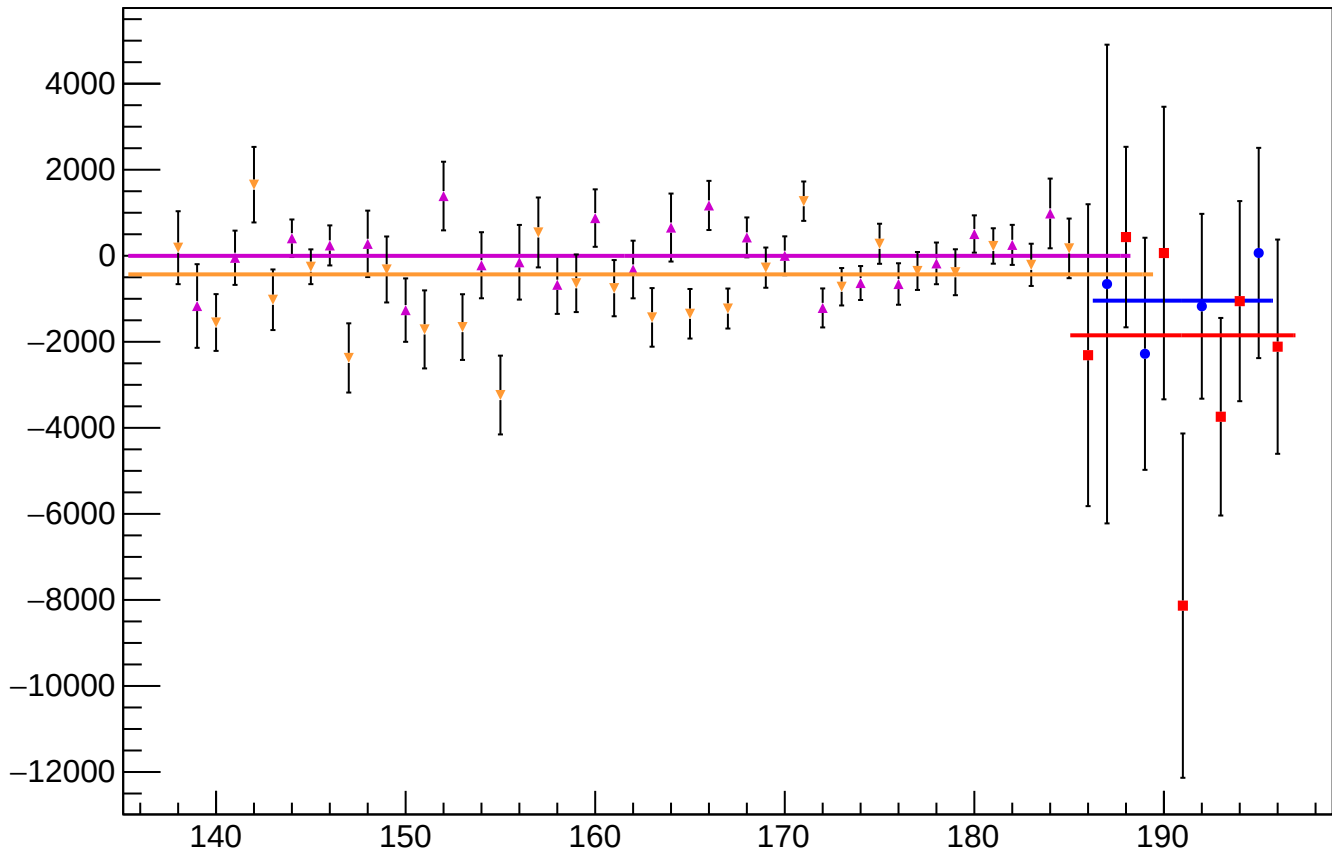
Left In: 58.840 $\pm$ 0.010 χ^2/NDF : 679925.7/22

+ sign 59.882 $\pm$ 0.010 χ^2/NDF : 3188415.5/28

All: 60.678 $\pm$ 0.007 χ^2/NDF : 8399524.4/58

- sign 61.524 $\pm$ 0.010 χ^2/NDF : 5197276.9/29

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1043.329 ± 1343.755 $\chi^2/\text{NDF}: 0.4/3$

Left Out: -432.330 ± 114.408 $\chi^2/\text{NDF}: 59.4/24$

Right Out: -1849.179 ± 1003.472 $\chi^2/\text{NDF}: 4.8/6$

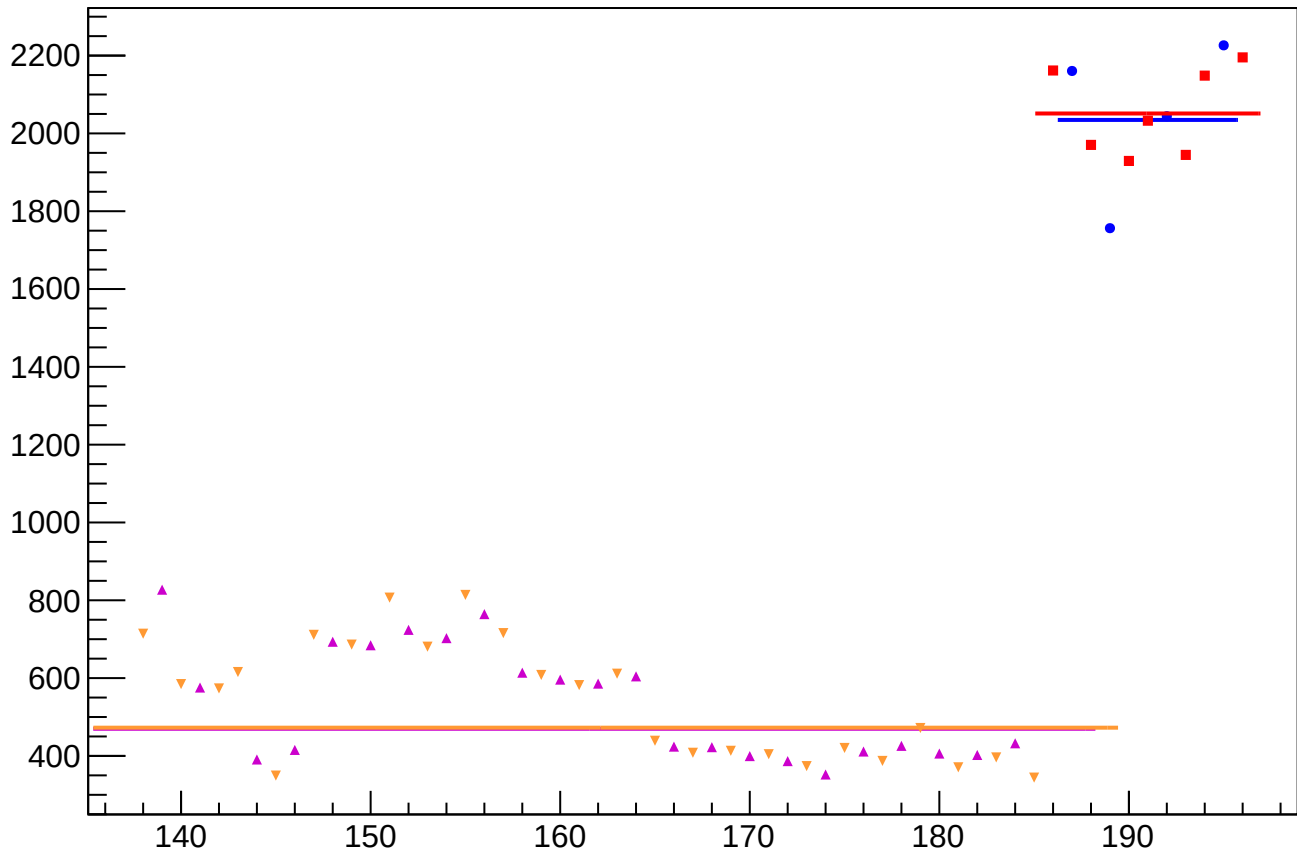
Left In: -1.825 ± 116.459 $\chi^2/\text{NDF}: 32.3/22$

+ sign -436.727 ± 113.996 $\chi^2/\text{NDF}: 60.0/28$

All: -234.565 ± 81.197 $\chi^2/\text{NDF}: 106.8/58$

- sign -26.376 ± 115.682 $\chi^2/\text{NDF}: 40.4/29$

asym_sam_3726_avg_correction_rms vs Slug



Right In: 2034.643 $\pm$ 0.950 χ^2 /NDF: 34642.4/3

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF: 2508168.9/24

Right Out: 2051.181 $\pm$ 0.710 χ^2 /NDF: 22065.3/6

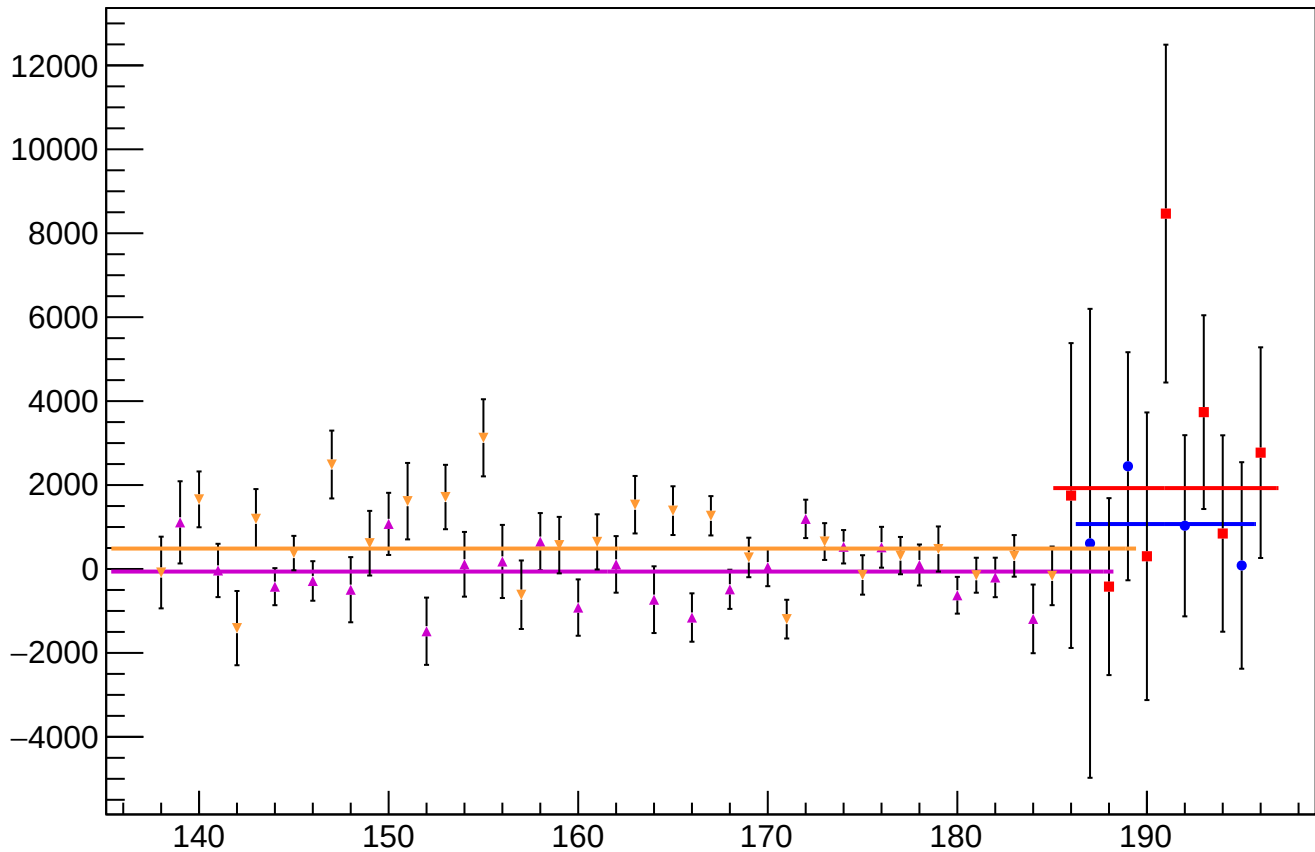
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF: 2116885.7/22

+ sign 483.811 $\pm$ 0.081 χ^2 /NDF: 5226030.3/28

All: 487.243 $\pm$ 0.057 χ^2 /NDF: 12269875.9/50

- sign 490.778 $\pm$ 0.082 χ^2 /NDF: 7040164.7/29

asym_sam_3726_avg_mean vs Slug



Right In: 1070.755+/-1351.852 χ^2/NDF : 0.4/3

Left Out: 486.645+/-115.346 χ^2/NDF : 56.0/24

Right Out: 1927.174+/-1011.882 χ^2/NDF : 5.0/6

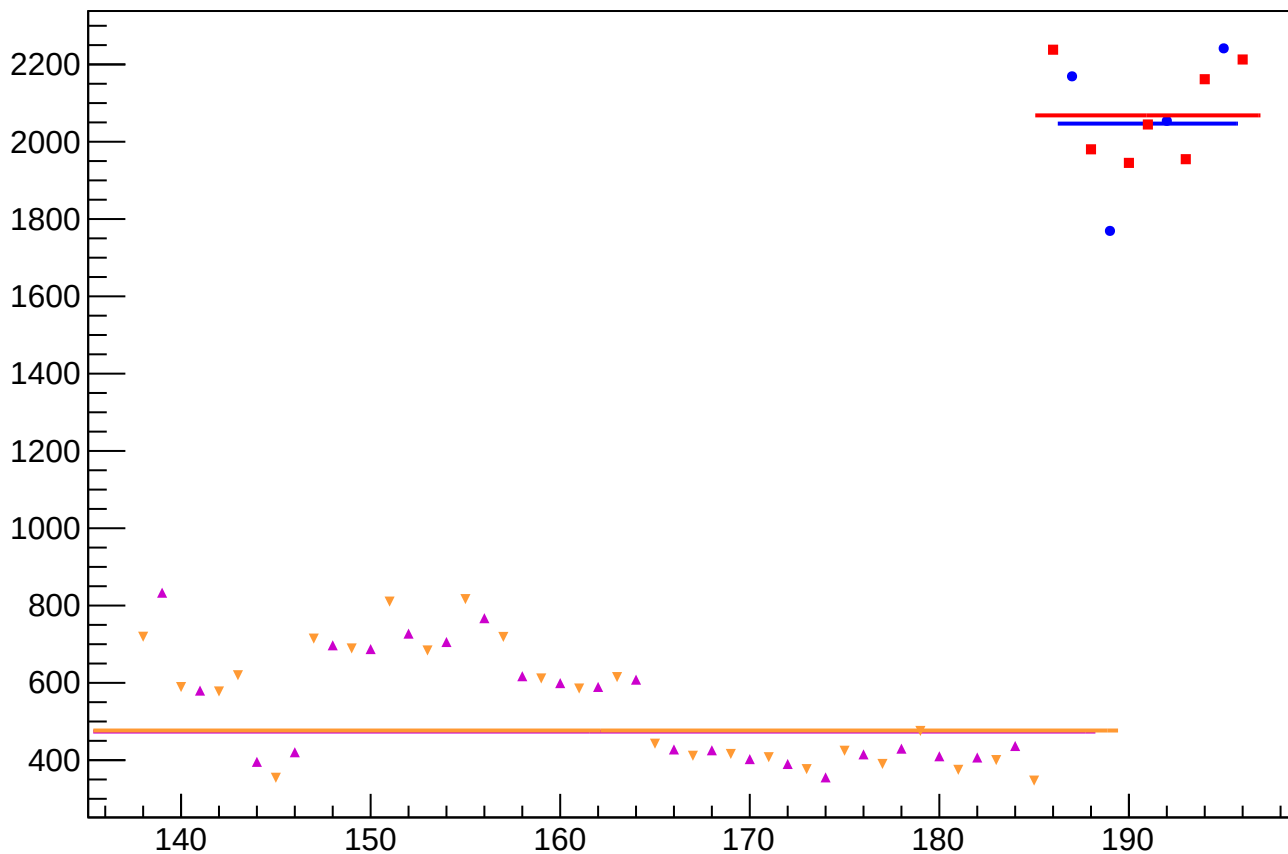
Left In: -61.775+/-117.449 χ^2/NDF : 31.2/22

+ sign 490.867+/-114.929 χ^2/NDF : 56.6/28

All: 231.712+/-81.874 χ^2/NDF : 107.0/58

- sign -35.336+/-116.666 χ^2/NDF : 40.0/29

asym_sam_3726_avg_rms vs Slug



Right In: 2046.905 $\pm$ 0.956 χ^2 /NDF: 34369.6/3

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF: 2472737.6/24

Right Out: 2068.163 $\pm$ 0.716 χ^2 /NDF: 25140.4/6

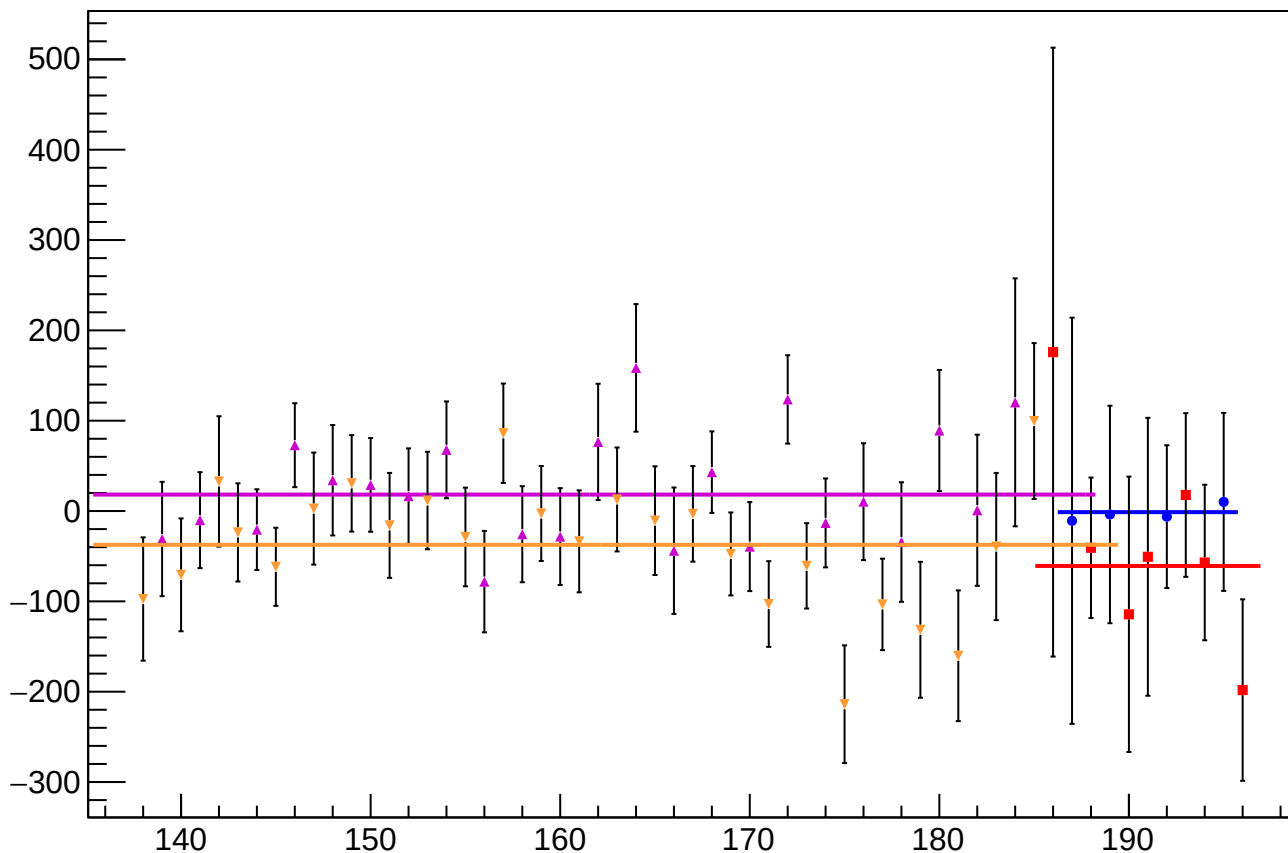
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF: 2087113.7/22

+ sign 488.039 $\pm$ 0.081 χ^2 /NDF: 5185902.2/28

All: 491.553 $\pm$ 0.058 χ^2 /NDF: 12200116.9/58

- sign 495.175 $\pm$ 0.082 χ^2 /NDF: 7010417.2/29

reg_asym_sam_15_48_dd_mean vs Slug



Right In: -1.235 ± 53.320 χ^2/NDF : 0.0/3

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -60.806 ± 40.309 χ^2/NDF : 3.3/6

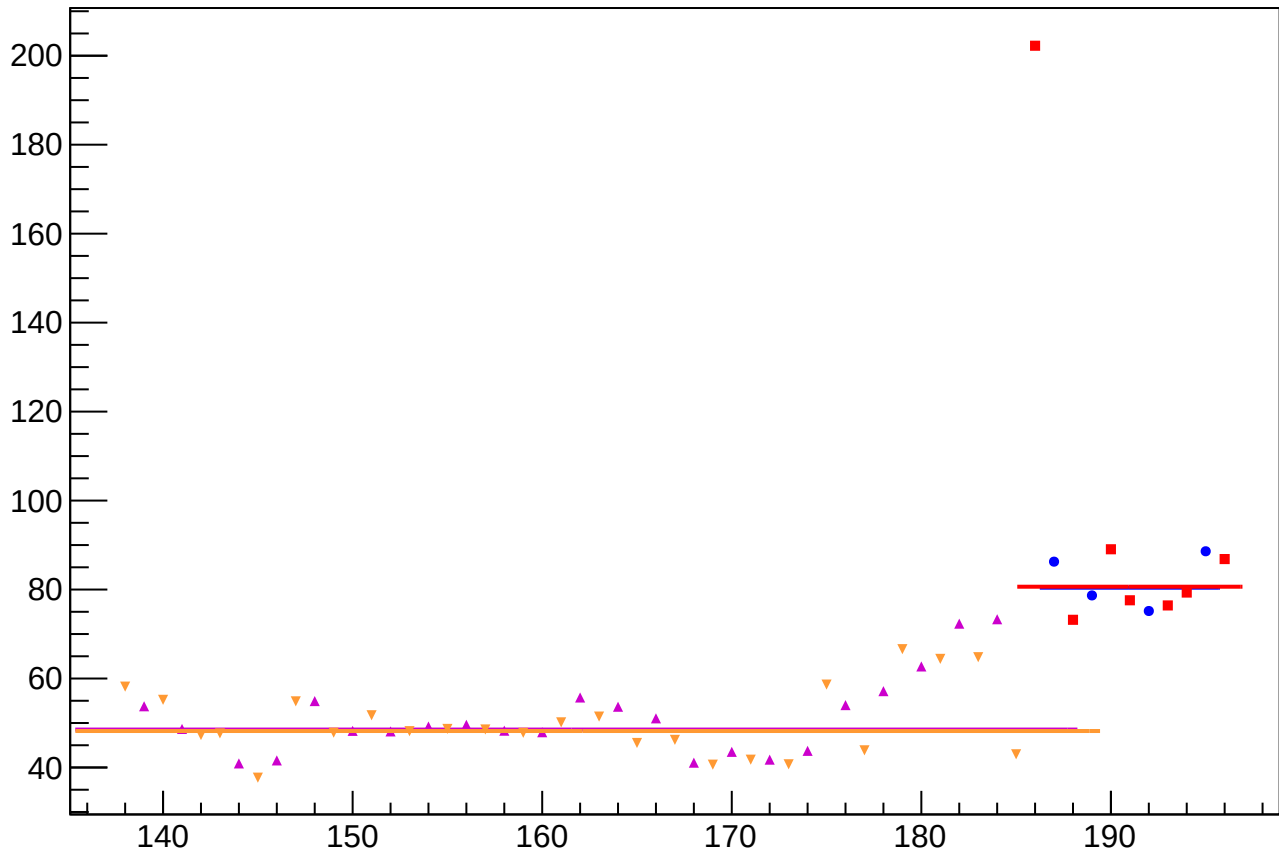
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -35.834 ± 11.138 χ^2/NDF : 30.9/28

All: -12.298 ± 7.937 χ^2/NDF : 69.8/58

- sign 11.985 ± 11.314 χ^2/NDF : 29.8/29

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 80.419+/-0.038 χ^2/NDF : 24358.8/3

Left Out: 48.200+/-0.008 χ^2/NDF : 750196.2/24

Right Out: 80.637+/-0.029 χ^2/NDF : 298015.9/6

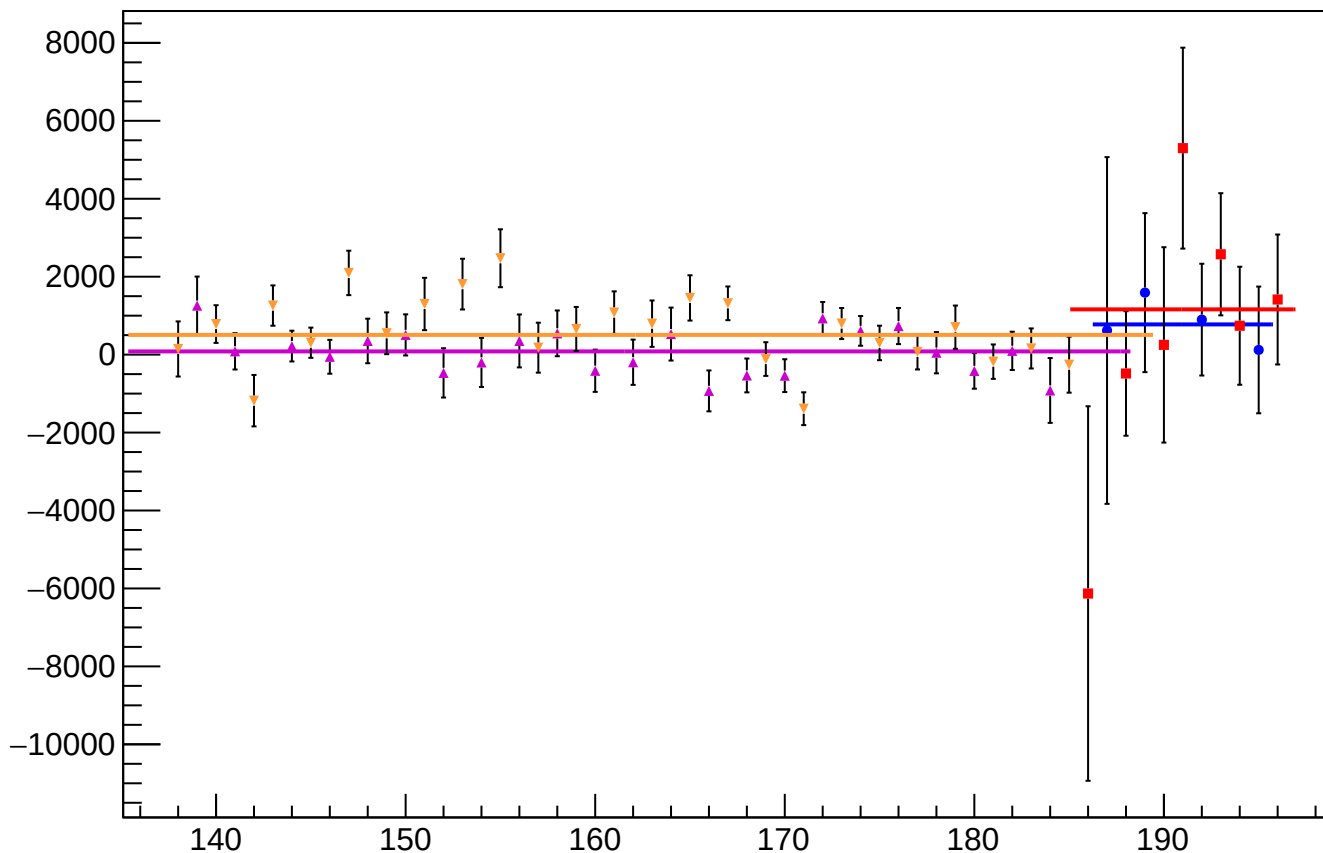
Left In: 48.527+/-0.008 χ^2/NDF : 675340.8/22

+ sign 49.606+/-0.008 χ^2/NDF : 1472956.0/28

All: 50.320+/-0.006 χ^2/NDF : 3632174.3/58

- sign 51.056+/-0.008 χ^2/NDF : 2142518.4/29

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 775.451 $\pm$ 930.257 χ^2 /NDF: 0.3/3

Left Out: 506.205 $\pm$ 103.468 χ^2 /NDF: 65.7/24

Right Out: 1161.610 $\pm$ 716.513 χ^2 /NDF: 7.0/6

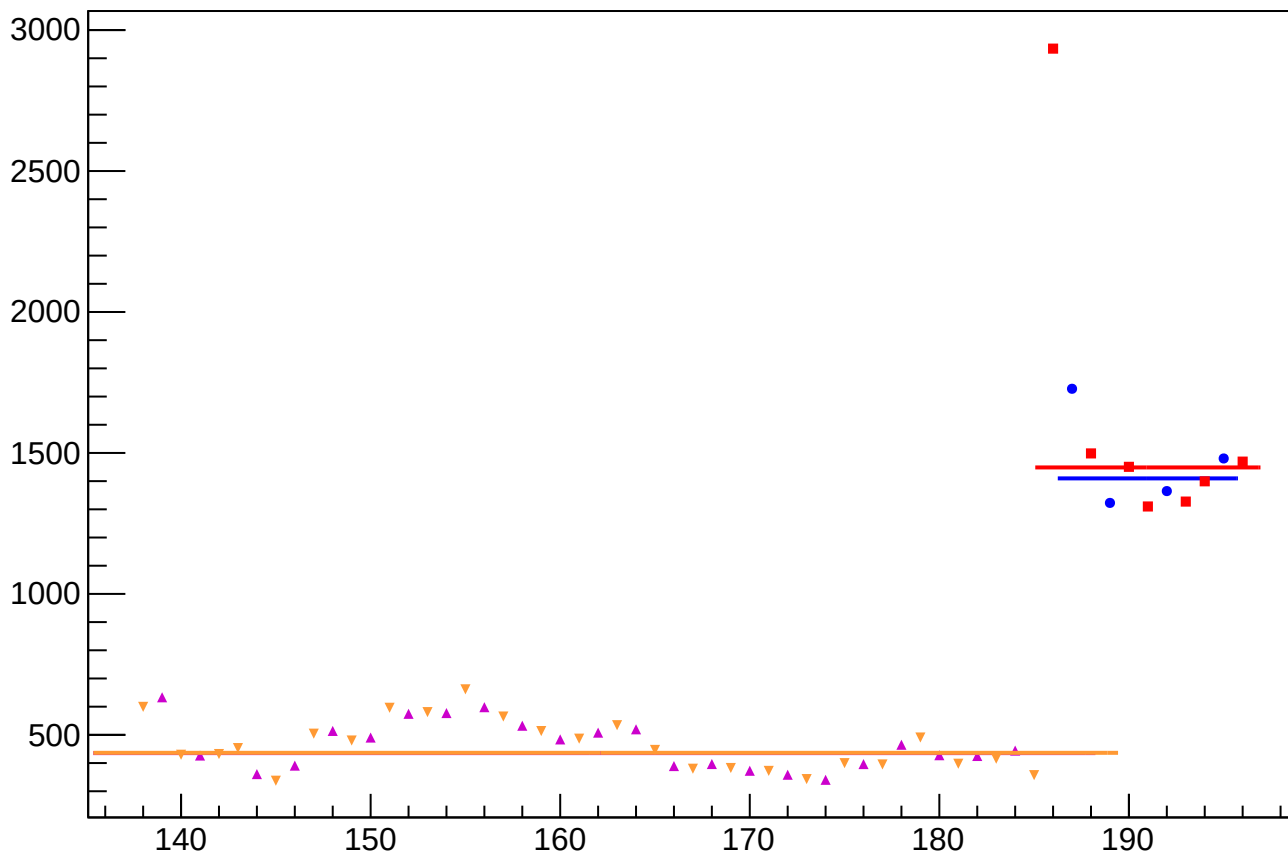
Left In: 82.421 $\pm$ 105.935 χ^2 /NDF: 25.3/22

+ sign 509.495 $\pm$ 102.834 χ^2 /NDF: 66.1/28

All: 311.319 $\pm$ 73.398 χ^2 /NDF: 108.2/58

- sign 105.506 $\pm$ 104.796 χ^2 /NDF: 34.6/29

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1409.749 ± 0.658 χ^2/NDF : 19598.4/3

Left Out: 436.301 ± 0.073 χ^2/NDF : 1179348.4/24

Right Out: 1448.596 ± 0.507 χ^2/NDF : 213214.5/6

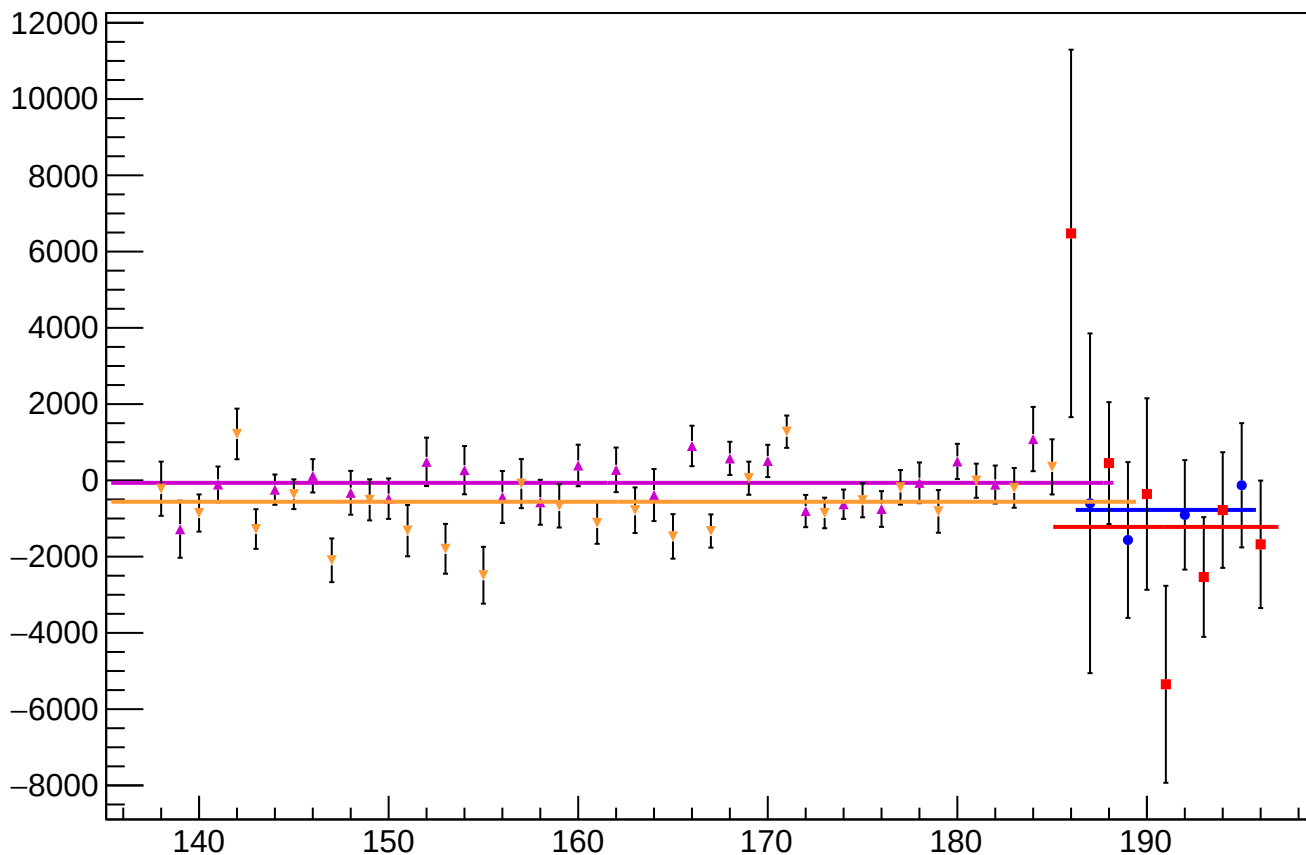
Left In: 435.275 ± 0.075 χ^2/NDF : 1027713.1/22

+ sign 448.197 ± 0.073 χ^2/NDF : 3362207.6/28

All: 452.491 ± 0.052 χ^2/NDF : 8524820.4/58

- sign 456.951 ± 0.074 χ^2/NDF : 5155502.0/29

asym_sam_15_48_dd_mean vs Slug



Right In: -774.608+/-931.902 χ^2/NDF : 0.3/3

Left Out: -560.684+/-104.207 χ^2/NDF : 61.8/24

Right Out: -1220.921+/-717.809 χ^2/NDF : 7.2/6

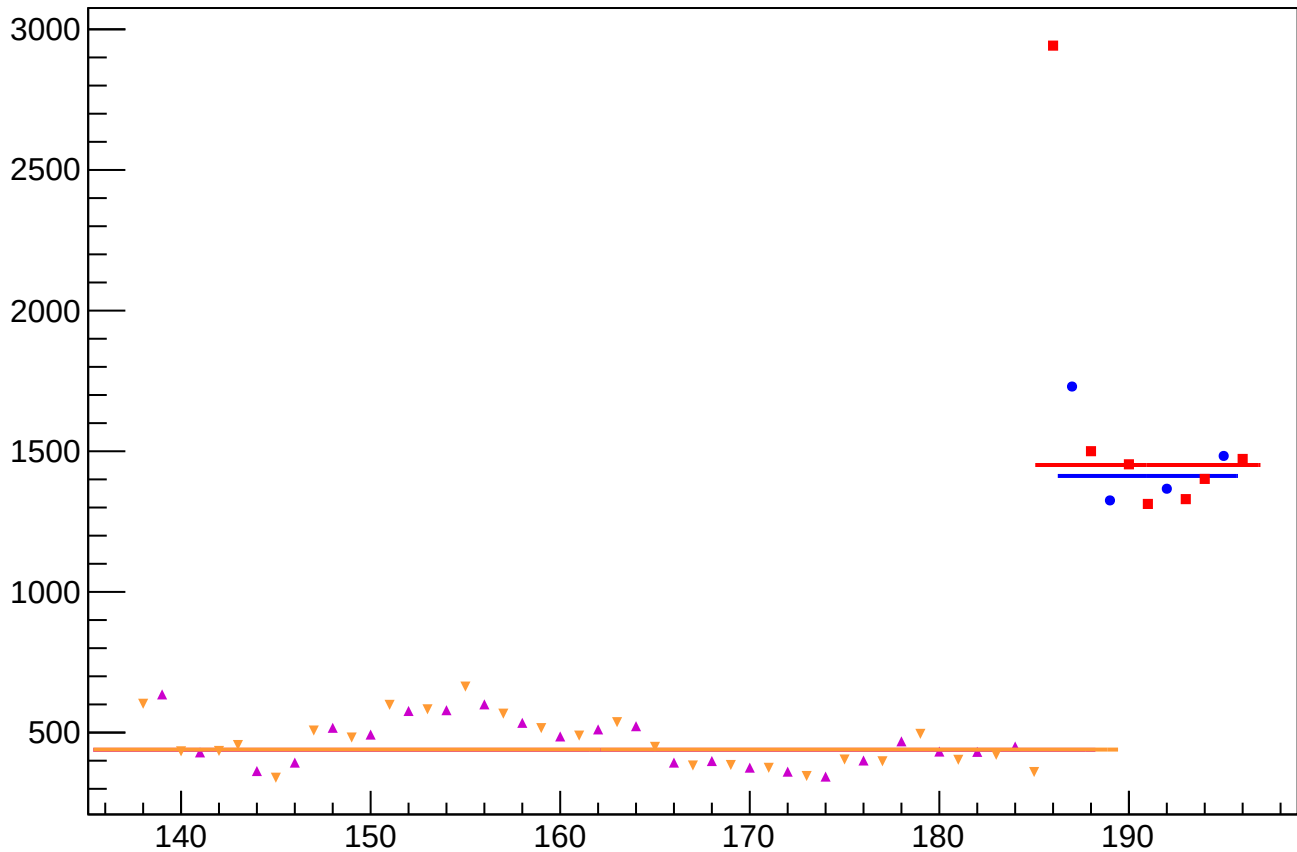
Left In: -64.594+/-106.708 χ^2/NDF : 25.2/22

+ sign -563.326+/-103.562 χ^2/NDF : 62.1/28

All: -330.959+/-73.921 χ^2/NDF : 107.3/58

- sign -89.595+/-105.548 χ^2/NDF : 34.9/29

asym_sam_15_48_dd_rms vs Slug



Right In: 1412.241 $\pm$ 0.659 χ^2/NDF : 19620.0/3

Left Out: 439.527 $\pm$ 0.074 χ^2/NDF : 1163352.8/24

Right Out: 1451.199 $\pm$ 0.508 χ^2/NDF : 213472.8/6

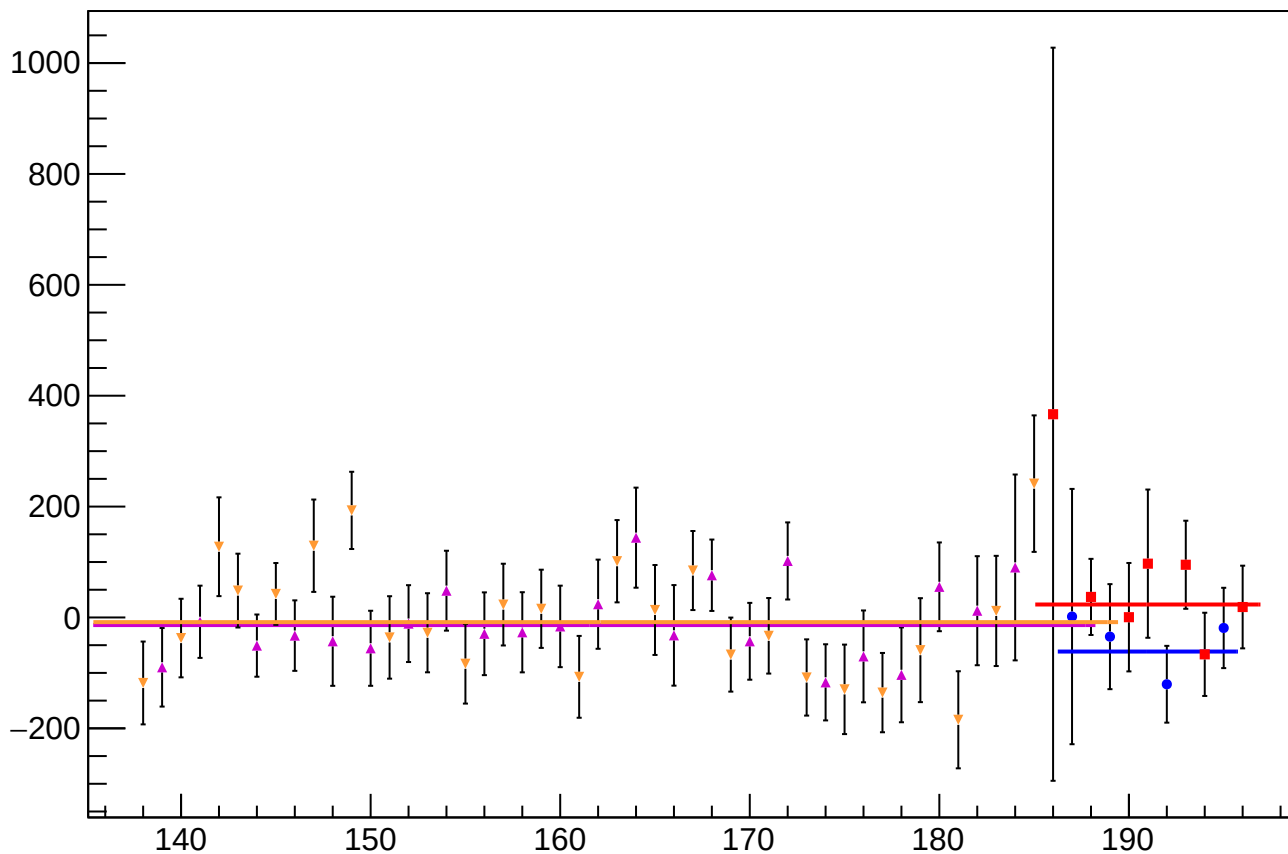
Left In: 438.548 $\pm$ 0.075 χ^2/NDF : 1013071.4/22

+ sign 451.540 $\pm$ 0.073 χ^2/NDF : 3335078.0/28

All: 455.906 $\pm$ 0.052 χ^2/NDF : 8463258.9/58

- sign 460.442 $\pm$ 0.075 χ^2/NDF : 5120931.3/29

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -61.487 ± 43.464 χ^2/NDF : 1.2/3

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 23.379 ± 33.505 χ^2/NDF : 2.9/6

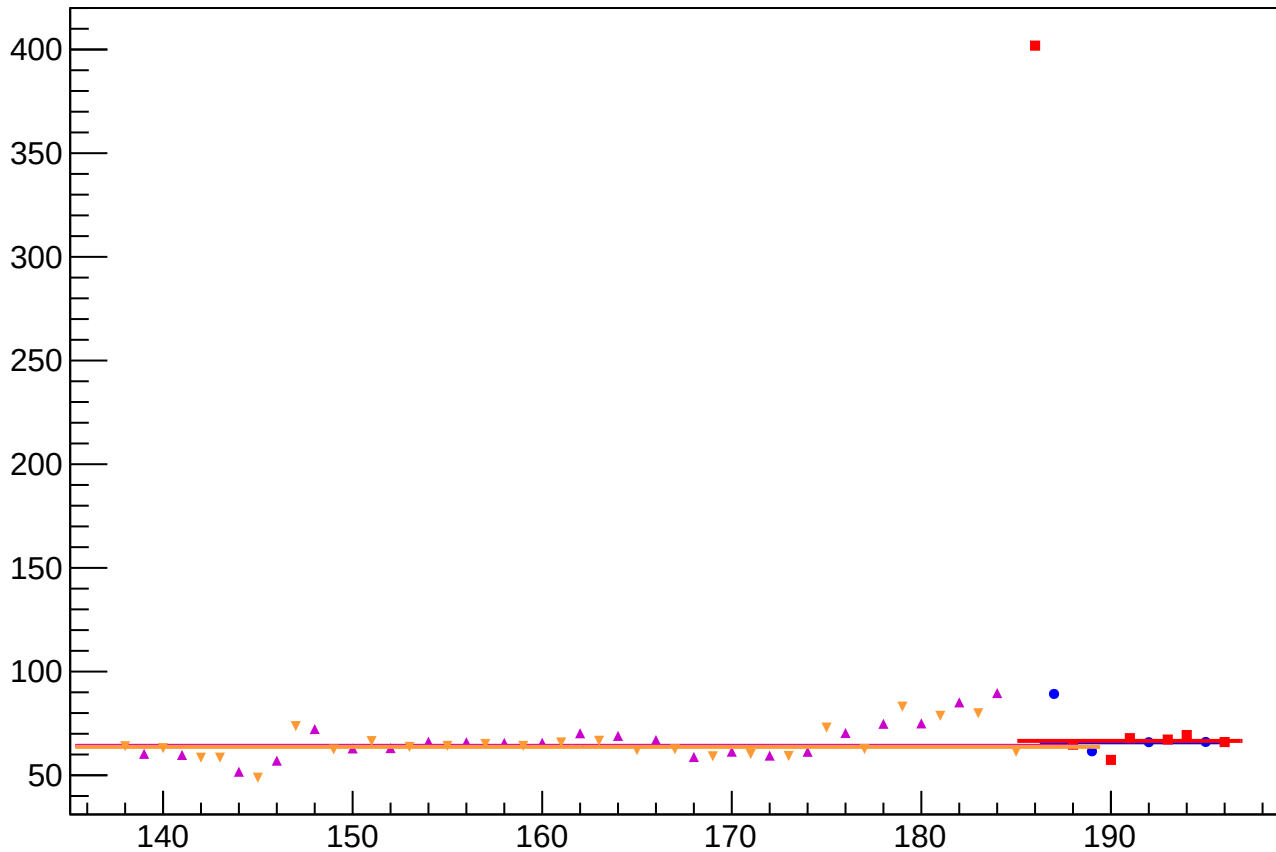
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -14.020 ± 14.124 χ^2/NDF : 44.2/28

All: -10.592 ± 9.961 χ^2/NDF : 64.5/58

- sign -7.198 ± 14.051 χ^2/NDF : 20.2/29

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 65.889 $\pm$ 0.031 χ^2 /NDF: 24742.5/3

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 66.570 $\pm$ 0.024 χ^2 /NDF: 536501.0/6

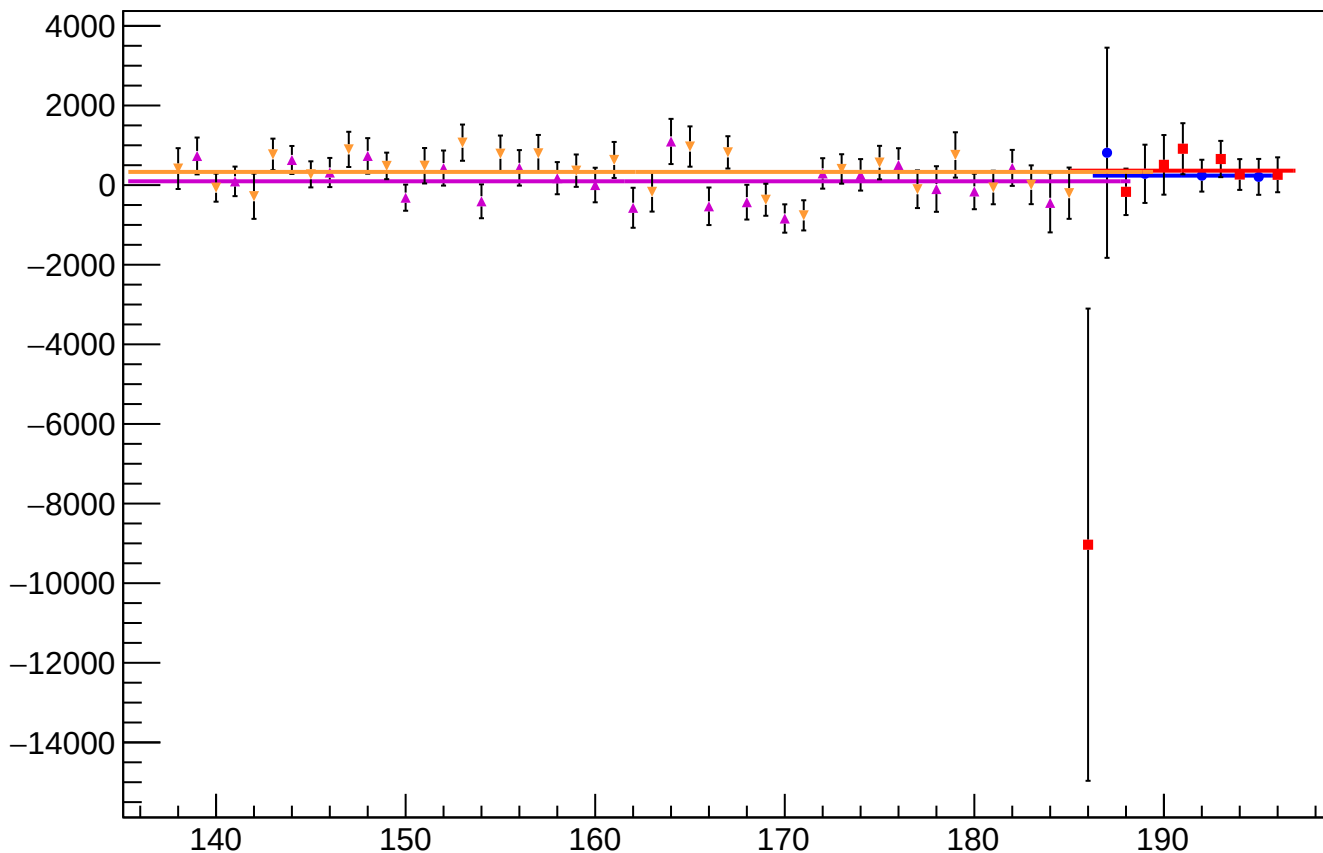
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.928 $\pm$ 0.010 χ^2 /NDF: 477735.5/28

All: 64.270 $\pm$ 0.007 χ^2 /NDF: 1454563.9/58

- sign 64.608 $\pm$ 0.010 χ^2 /NDF: 974496.1/29

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 238.758 $\pm$ 275.434 χ^2 /NDF: 0.1/3

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF: 29.9/24

Right Out: 362.739 $\pm$ 204.587 χ^2 /NDF: 4.6/6

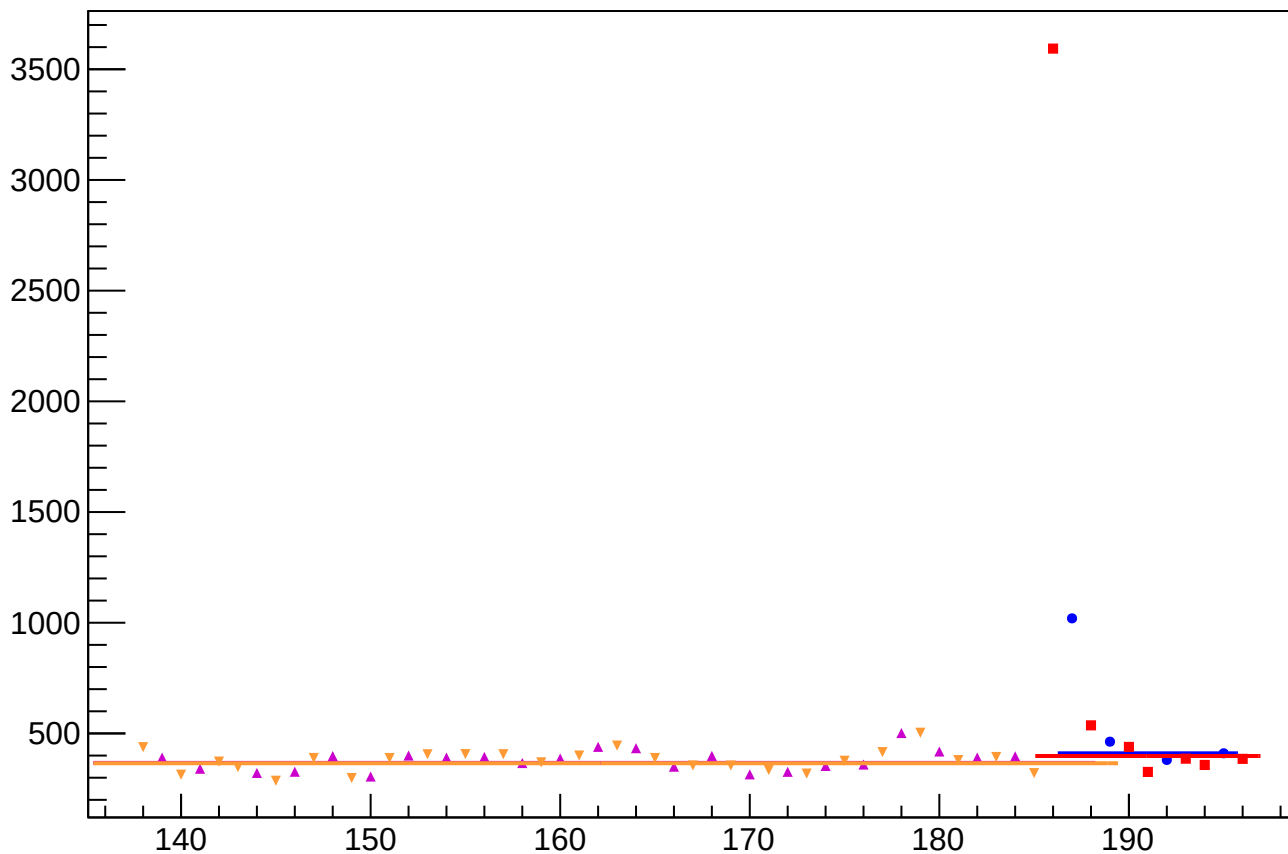
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF: 28.7/22

+ sign 323.467 $\pm$ 82.153 χ^2 /NDF: 30.0/28

All: 229.866 $\pm$ 57.804 χ^2 /NDF: 67.4/58

- sign 138.094 $\pm$ 81.347 χ^2 /NDF: 34.8/29

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 410.149 $\pm$ 0.195 χ^2/NDF : 128150.4/3

Left Out: 365.355 $\pm$ 0.061 χ^2/NDF : 618453.7/24

Right Out: 398.089 $\pm$ 0.145 χ^2/NDF : 749369.9/6

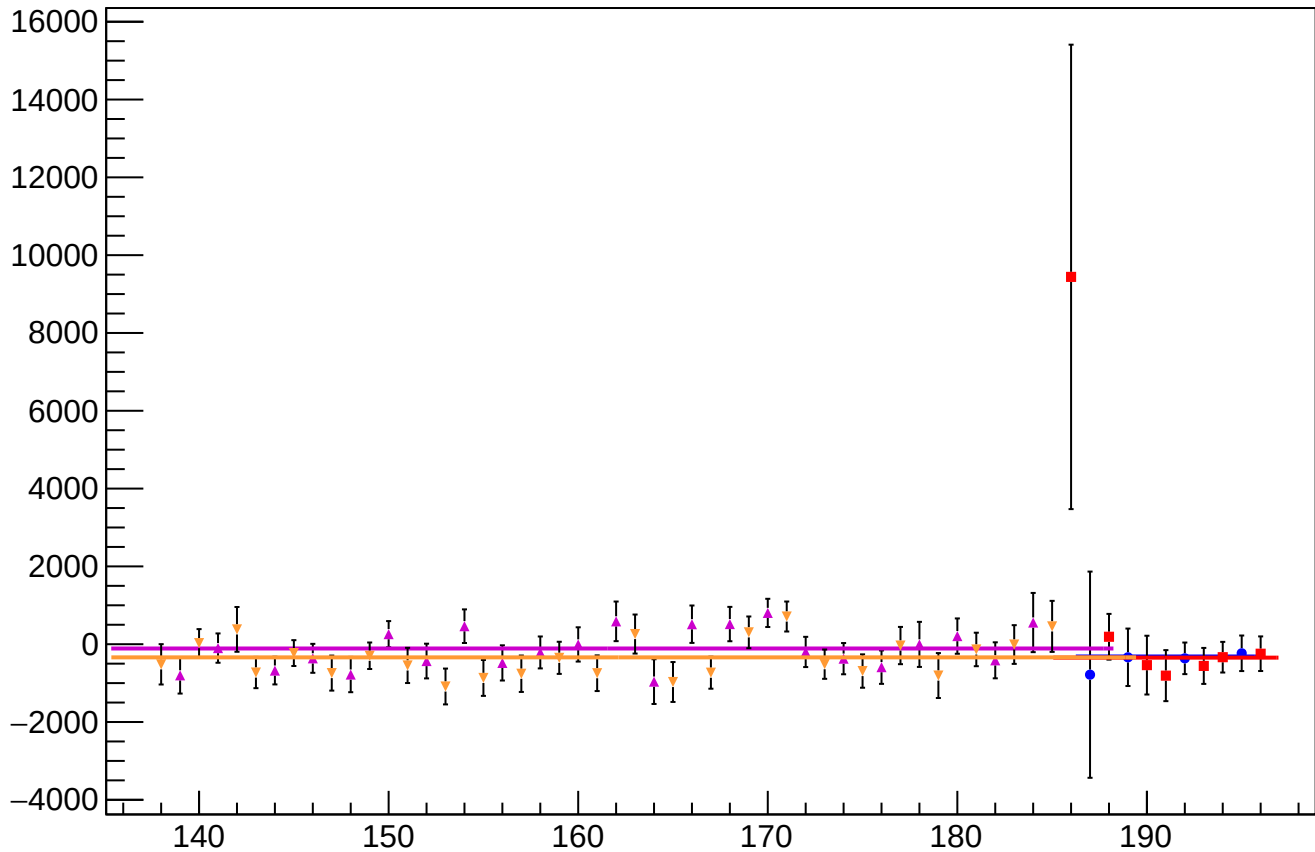
Left In: 366.925 $\pm$ 0.063 χ^2/NDF : 478082.1/22

+ sign 369.340 $\pm$ 0.058 χ^2/NDF : 794794.6/28

All: 370.608 $\pm$ 0.041 χ^2/NDF : 2062260.8/58

- sign 371.852 $\pm$ 0.058 χ^2/NDF : 1266522.5/29

asym_sam_37_48_dd_mean vs Slug



Right In: -315.736+/-279.137 χ^2/NDF : 0.1/3

Left Out: -338.528+/-87.450 χ^2/NDF : 28.2/24

Right Out: -345.299+/-207.756 χ^2/NDF : 4.3/6

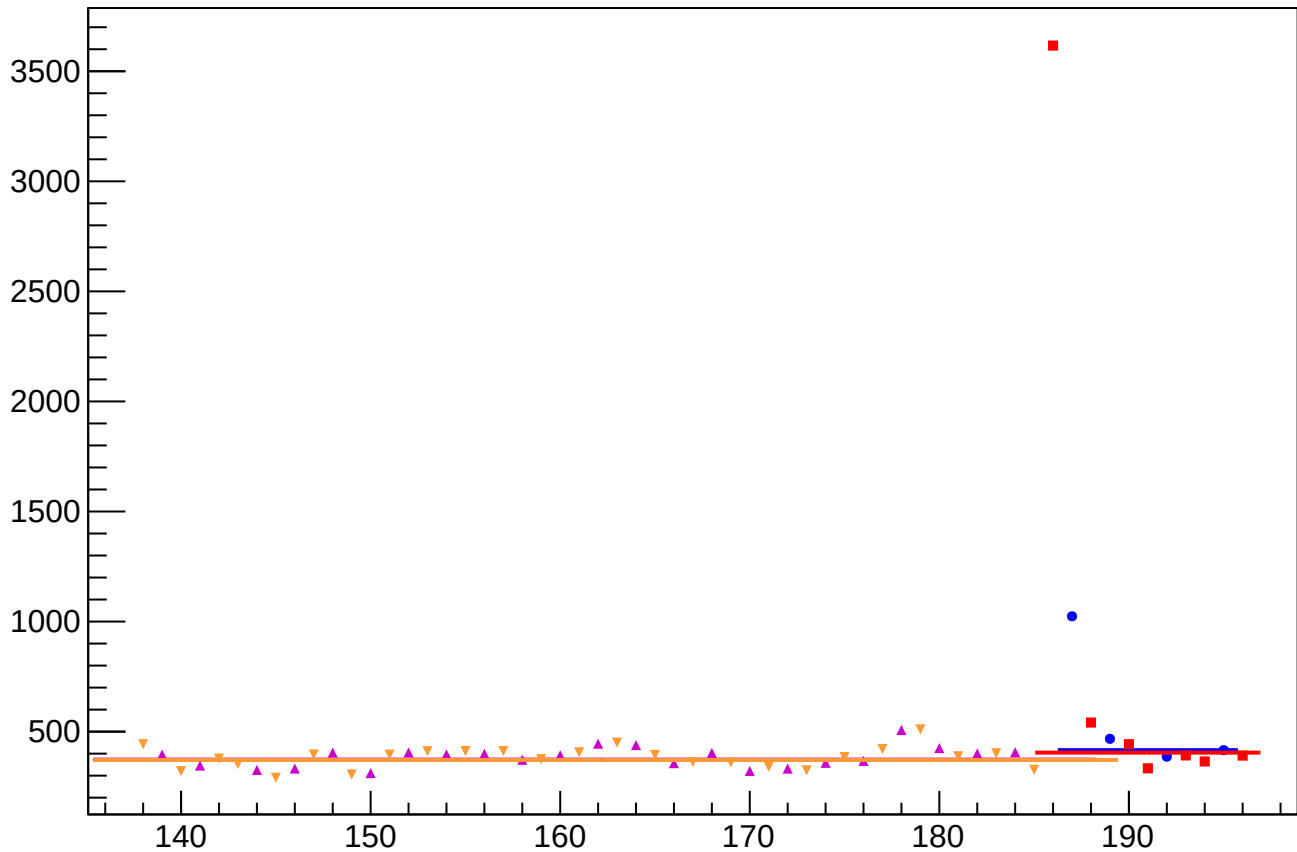
Left In: -110.341+/-90.084 χ^2/NDF : 29.2/22

+ sign -336.491+/-83.451 χ^2/NDF : 28.3/28

All: -241.095+/-58.723 χ^2/NDF : 65.5/58

- sign -147.525+/-82.649 χ^2/NDF : 34.6/29

asym_sam_37_48_dd_rms vs Slug



Right In: 415.844+/-0.197 χ^2/NDF : 125694.7/3

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 404.591+/-0.147 χ^2/NDF : 740041.2/6

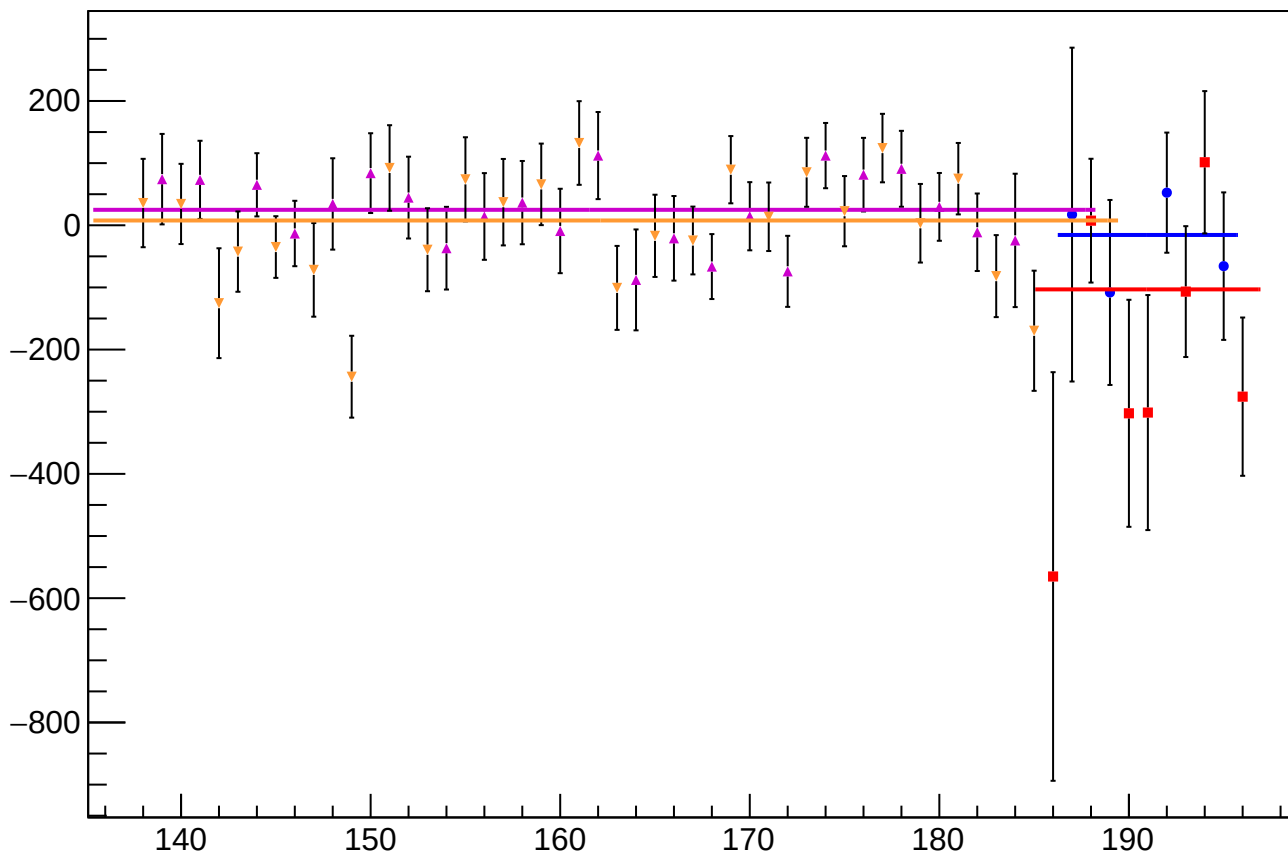
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 375.332+/-0.059 χ^2/NDF : 776027.9/28

All: 376.652+/-0.042 χ^2/NDF : 2023481.2/58

- sign 377.947+/-0.058 χ^2/NDF : 1246461.8/29

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -15.578 ± 64.952 χ^2/NDF : 1.1/3

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -103.151 ± 50.238 χ^2/NDF : 10.5/6

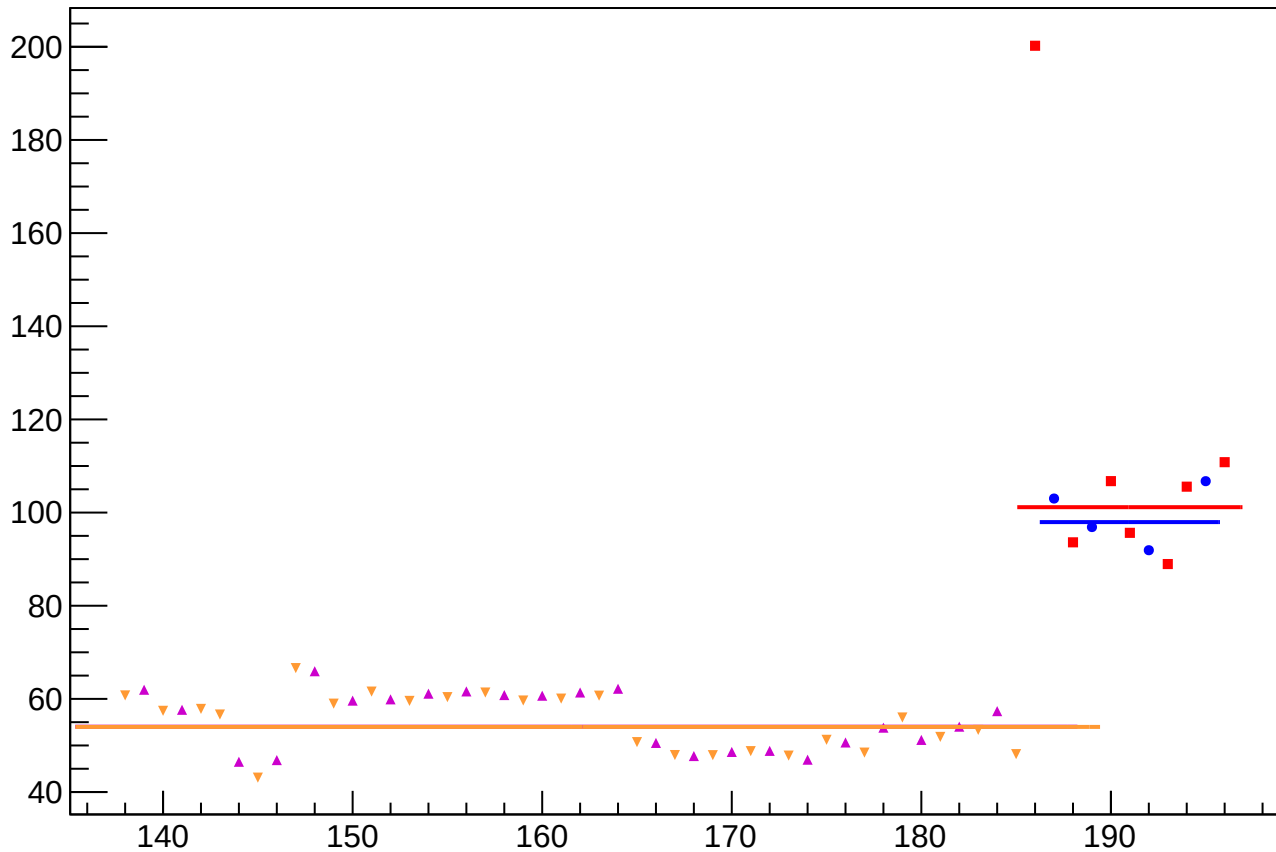
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 6.871 ± 12.422 χ^2/NDF : 46.6/28

All: 11.770 ± 8.850 χ^2/NDF : 83.3/58

- sign 16.819 ± 12.612 χ^2/NDF : 36.3/29

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 97.956 ± 0.046 χ^2/NDF : 19575.4/3

Left Out: 53.984 ± 0.009 χ^2/NDF : 458972.1/24

Right Out: 101.159 ± 0.036 χ^2/NDF : 238045.2/6

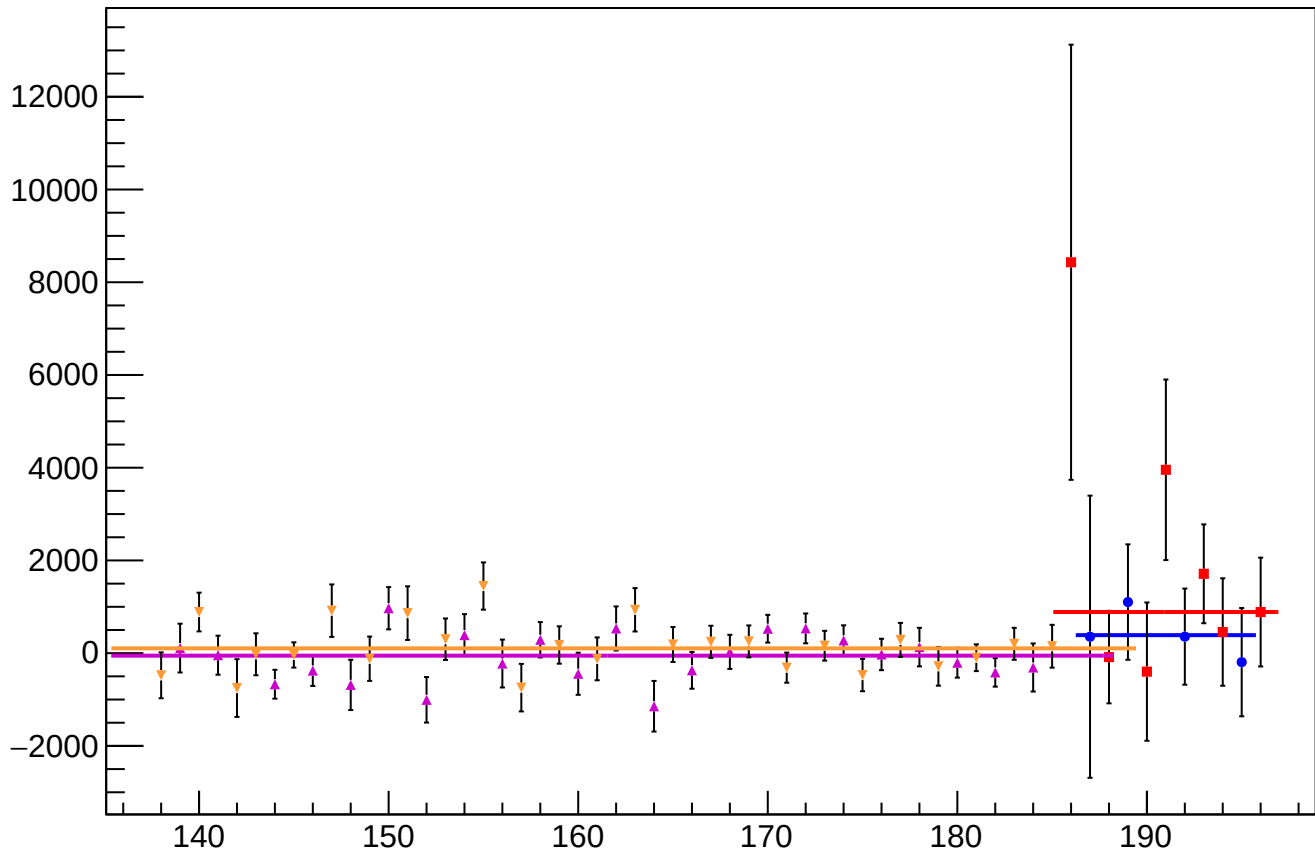
Left In: 54.028 ± 0.009 χ^2/NDF : 443819.5/22

+ sign 55.592 ± 0.009 χ^2/NDF : 1361669.6/28

All: 56.284 ± 0.006 χ^2/NDF : 3705464.9/58

- sign 56.998 ± 0.009 χ^2/NDF : 2331182.4/29

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 388.526 $\pm$ 643.277 χ^2/NDF : 0.6/3

Left Out: 103.768 $\pm$ 79.344 χ^2/NDF : 31.0/24

Right Out: 887.633 $\pm$ 493.026 χ^2/NDF : 7.5/6

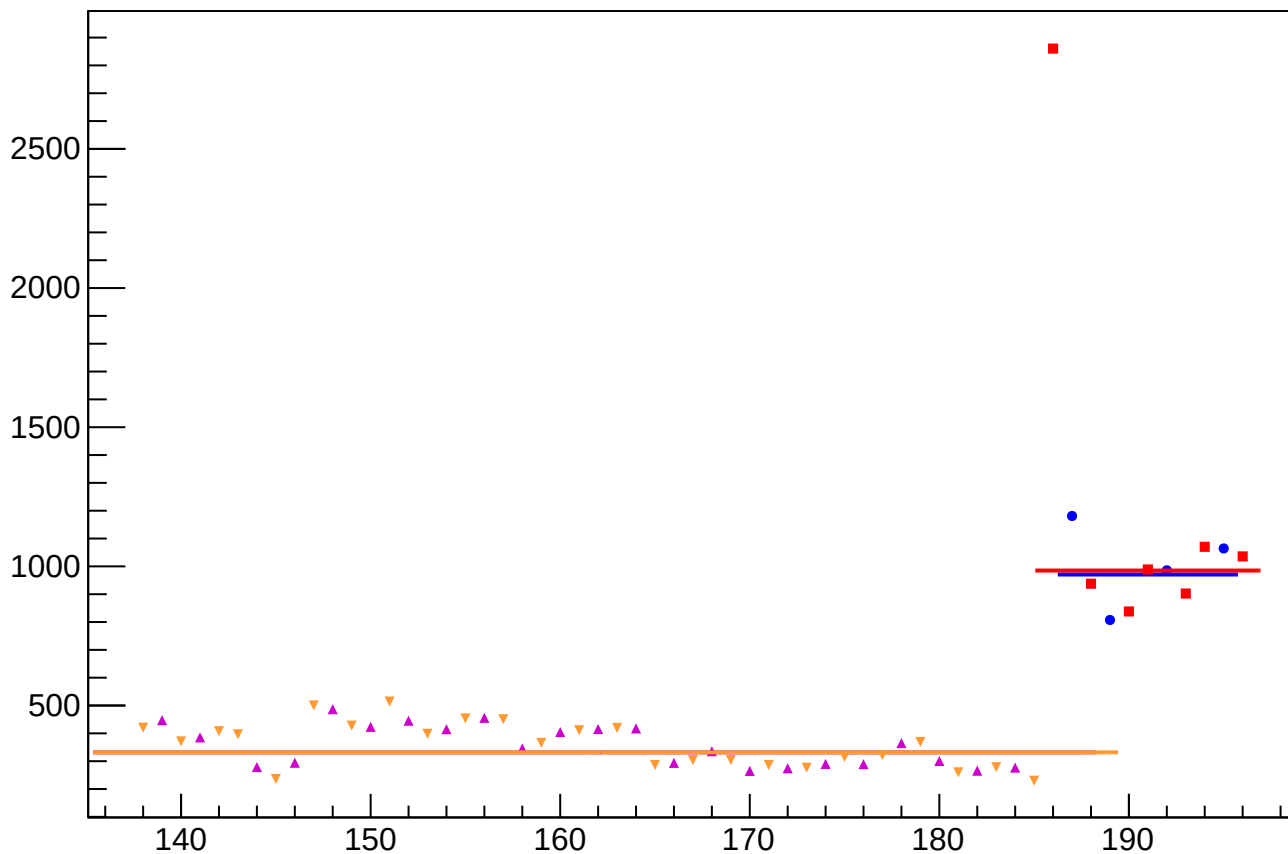
Left In: -53.493 $\pm$ 81.201 χ^2/NDF : 34.1/22

+ sign 108.035 $\pm$ 78.747 χ^2/NDF : 31.7/28

All: 40.881 $\pm$ 56.162 χ^2/NDF : 78.4/58

- sign -28.638 $\pm$ 80.122 χ^2/NDF : 45.1/29

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 970.738 $\pm$ 0.455 χ^2 /NDF: 57271.5/3

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 985.051 $\pm$ 0.349 χ^2 /NDF: 369963.5/6

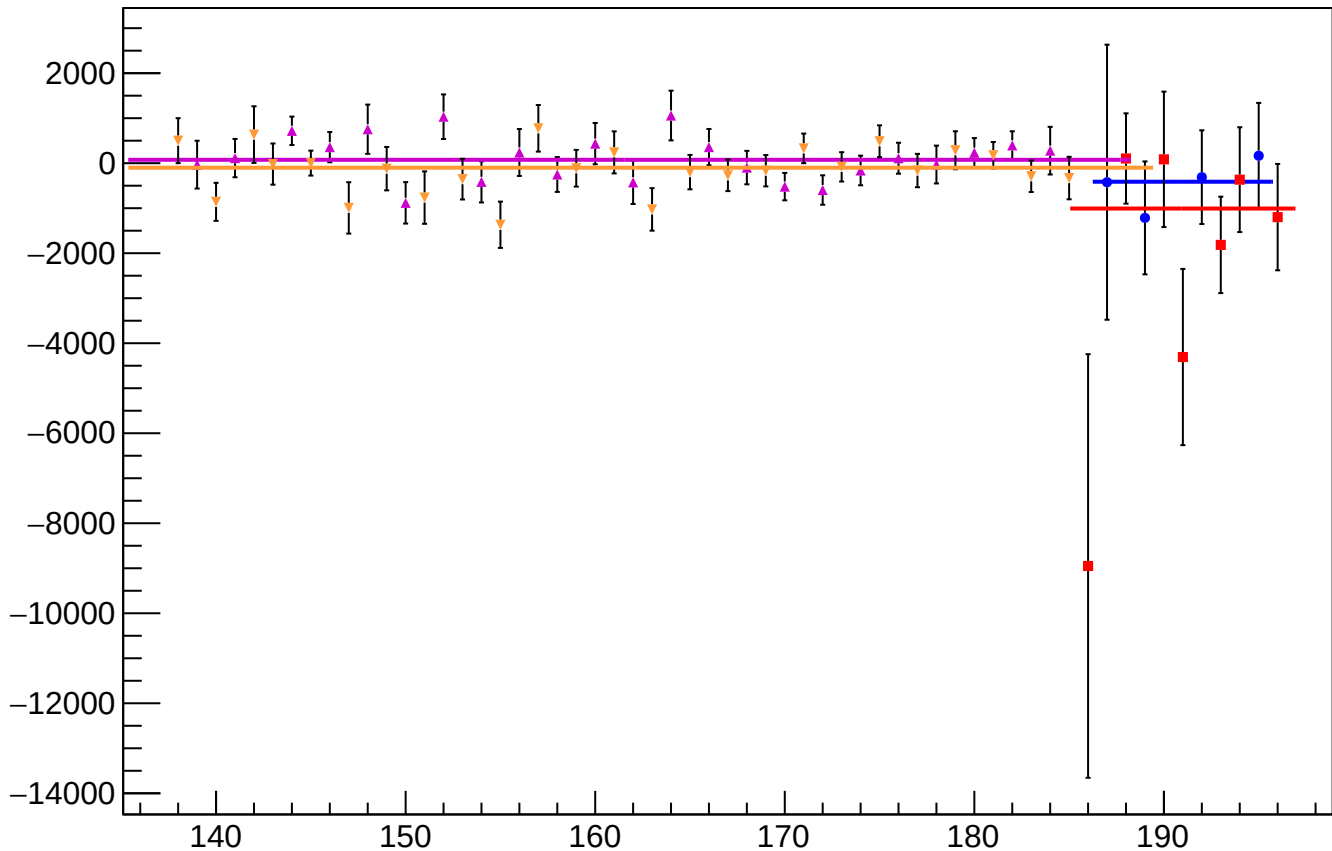
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 341.346 $\pm$ 0.056 χ^2 /NDF: 3712713.3/28

All: 345.068 $\pm$ 0.040 χ^2 /NDF: 8814794.3/58

- sign 348.921 $\pm$ 0.057 χ^2 /NDF: 5092986.5/29

asym_sam_15_26_dd_mean vs Slug



Right In: -411.716 ± 646.856 χ^2/NDF : 0.7/3

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -1007.212 ± 495.909 χ^2/NDF : 8.3/6

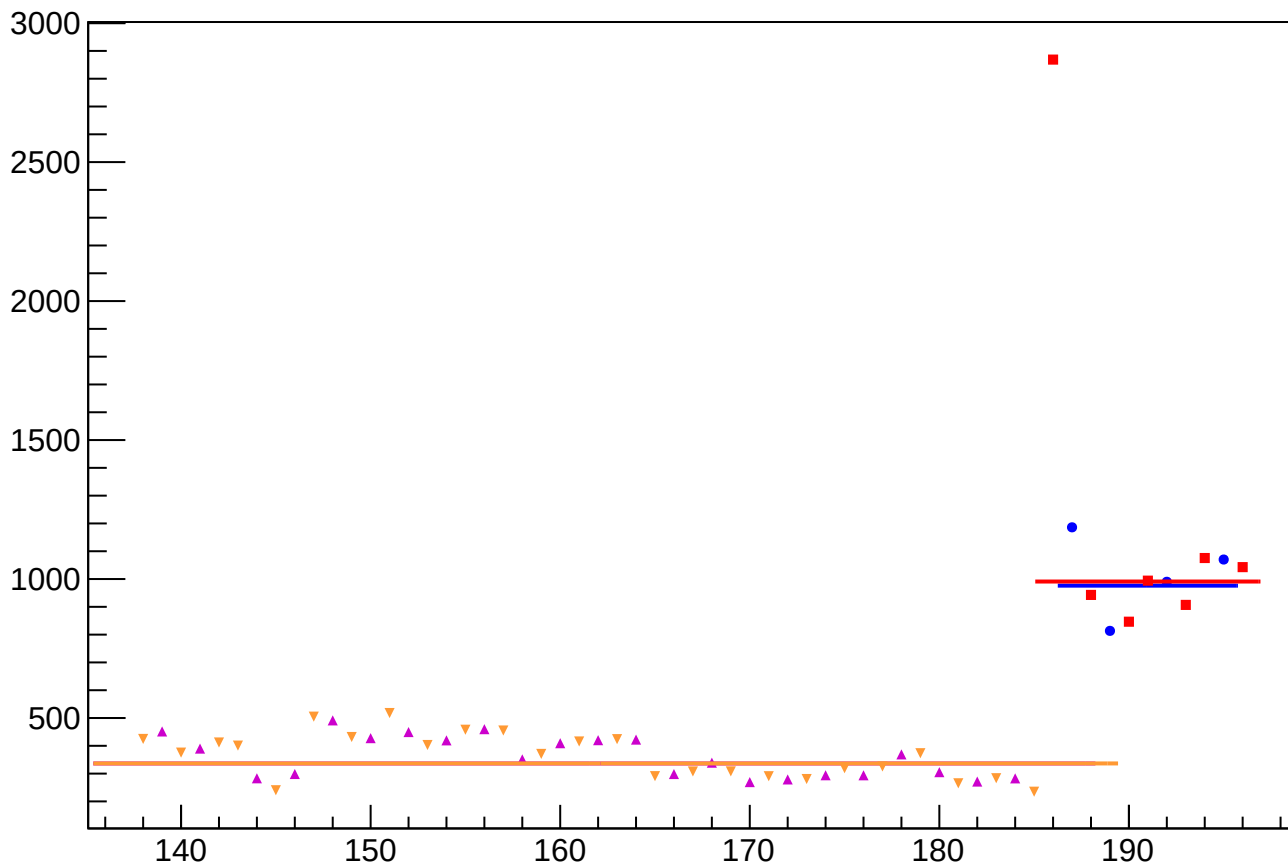
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -104.534 ± 79.813 χ^2/NDF : 31.5/28

All: -30.303 ± 56.923 χ^2/NDF : 78.4/58

- sign 46.544 ± 81.207 χ^2/NDF : 45.1/29

asym_sam_15_26_dd_rms vs Slug



Right In: 976.237+/-0.457 χ^2/NDF : 56225.5/3

Left Out: 336.557+/-0.057 χ^2/NDF : 1665919.4/24

Right Out: 991.036+/-0.351 χ^2/NDF : 368173.8/6

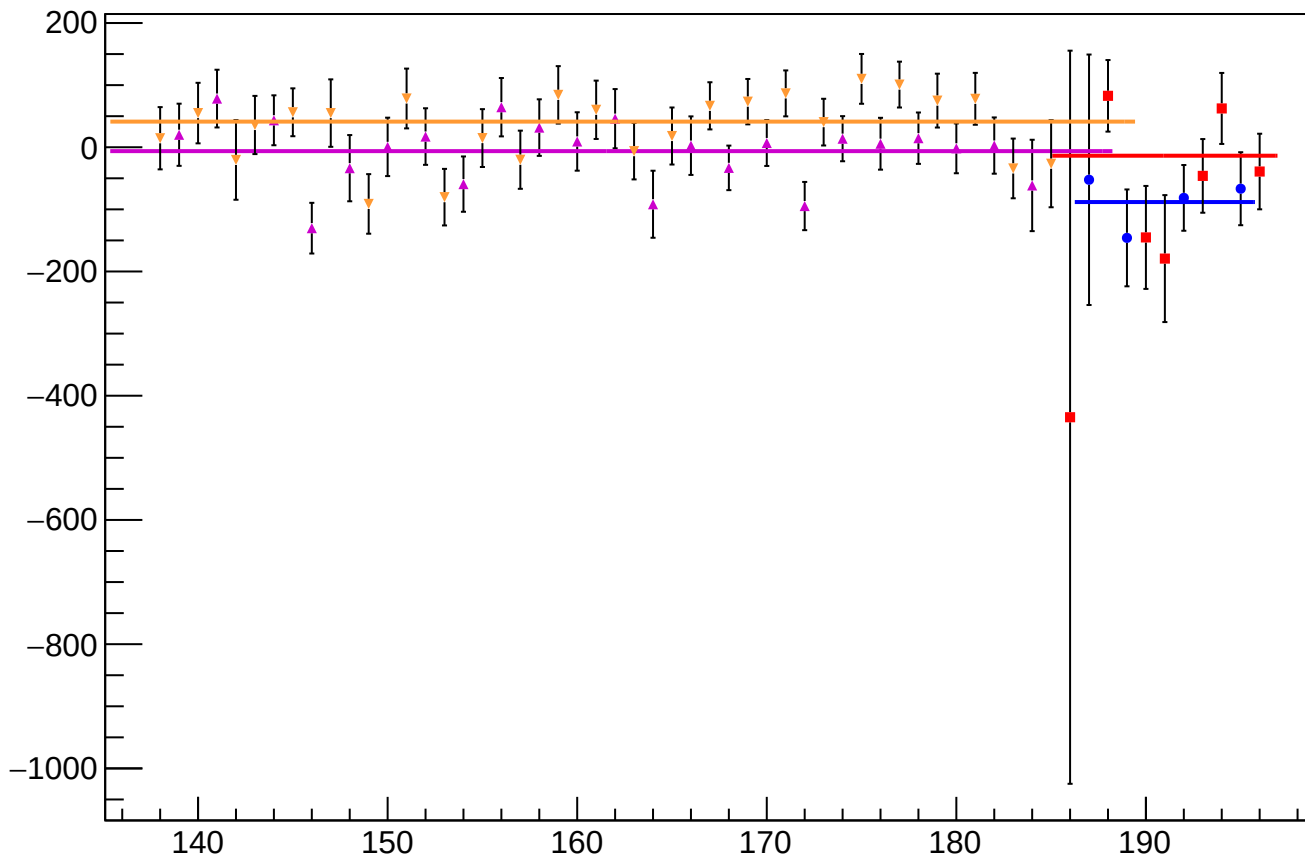
Left In: 336.439+/-0.058 χ^2/NDF : 1269066.3/22

+ sign 346.296+/-0.056 χ^2/NDF : 3648237.6/28

All: 350.078+/-0.040 χ^2/NDF : 8685932.1/58

- sign 353.993+/-0.057 χ^2/NDF : 5028555.9/29

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -88.215 ± 34.585 χ^2/NDF : 0.7/3

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -13.628 ± 26.671 χ^2/NDF : 10.7/6

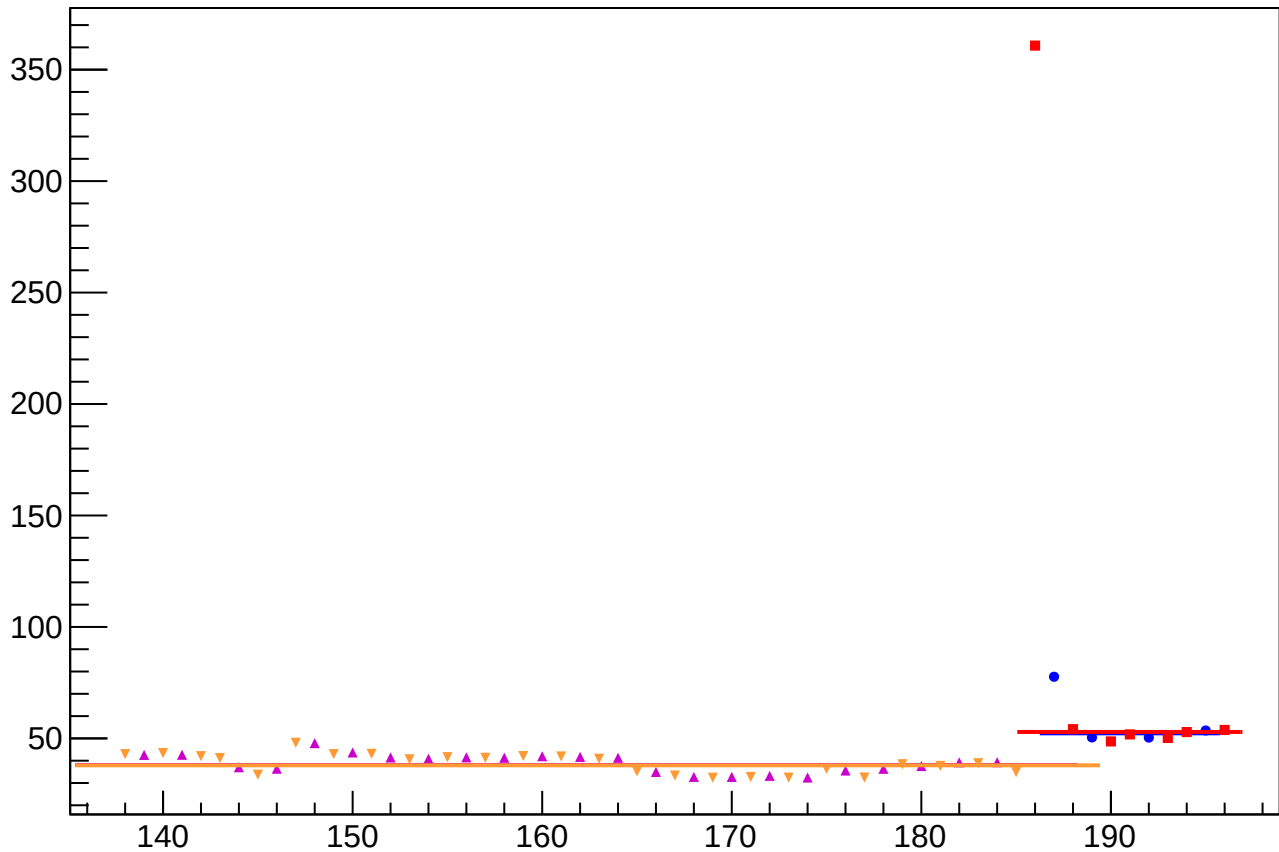
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 33.258 ± 8.609 χ^2/NDF : 48.2/28

All: 13.266 ± 6.111 χ^2/NDF : 100.2/58

- sign -7.034 ± 8.676 χ^2/NDF : 41.0/29

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 52.283 $\pm$ 0.024 χ^2 /NDF: 36353.5/3

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 52.893 $\pm$ 0.019 χ^2 /NDF: 555397.5/6

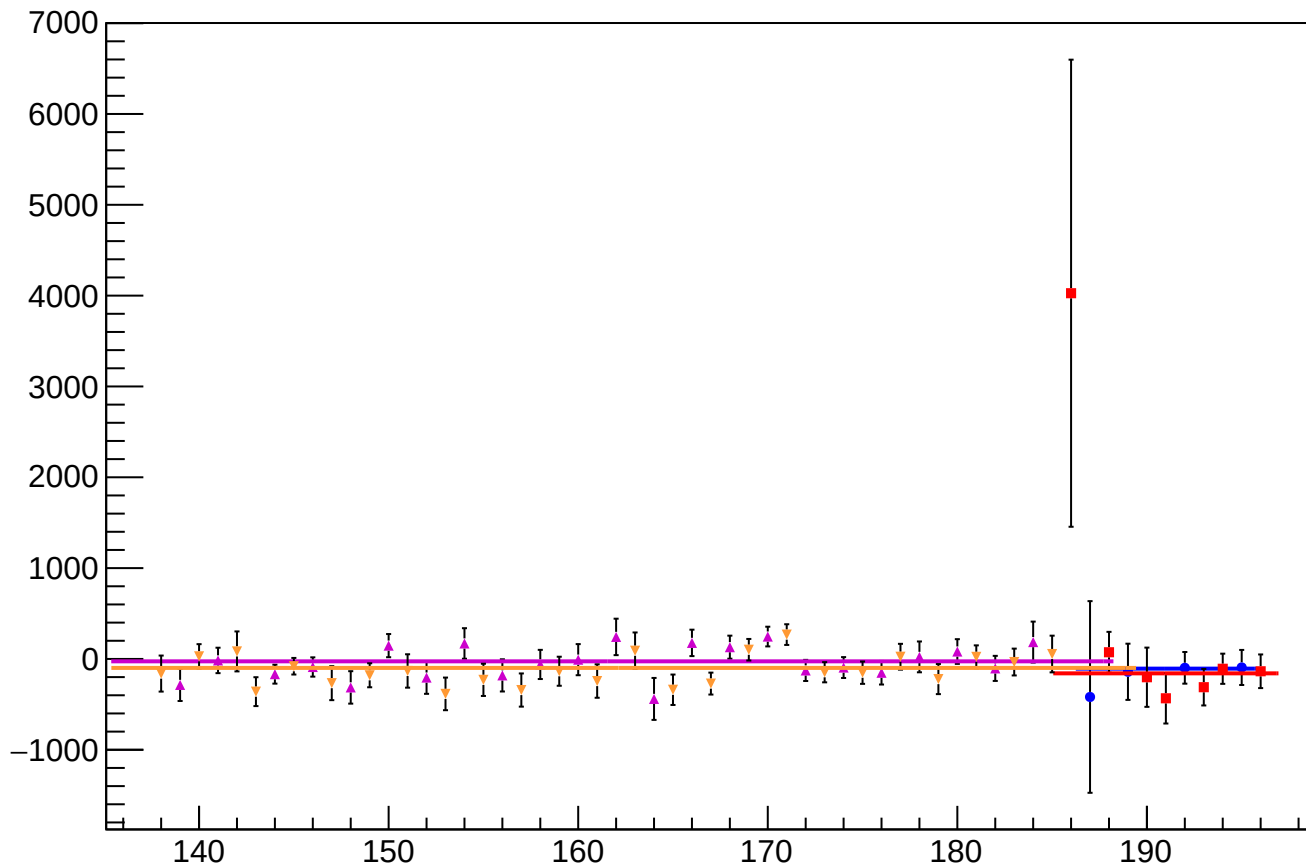
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 38.815 $\pm$ 0.006 χ^2 /NDF: 846769.8/28

All: 39.231 $\pm$ 0.004 χ^2 /NDF: 2359049.1/58

- sign 39.654 $\pm$ 0.006 χ^2 /NDF: 1502853.1/29

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -106.718+/-118.580 χ^2/NDF : 0.1/3

Left Out: -98.741+/-29.095 χ^2/NDF : 32.7/24

Right Out: -158.590+/-86.880 χ^2/NDF : 5.4/6

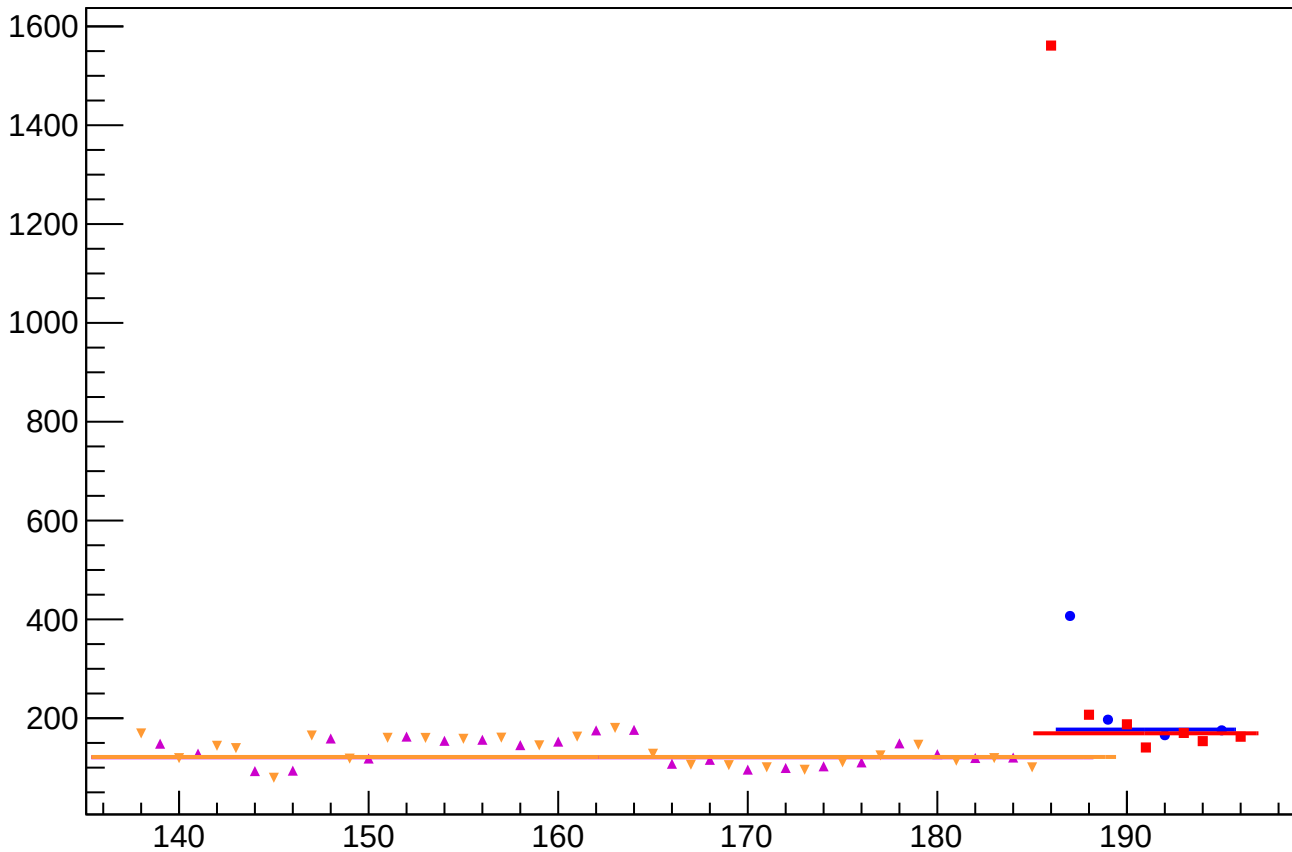
Left In: -26.223+/-29.676 χ^2/NDF : 30.7/22

+ sign -99.194+/-28.257 χ^2/NDF : 32.9/28

All: -69.440+/-19.919 χ^2/NDF : 73.2/58

- sign -40.052+/-28.083 χ^2/NDF : 38.1/29

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 177.003 $\pm$ 0.084 χ^2 /NDF: 112054.8/3

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF: 1711423.9/24

Right Out: 169.454 $\pm$ 0.061 χ^2 /NDF: 690472.5/6

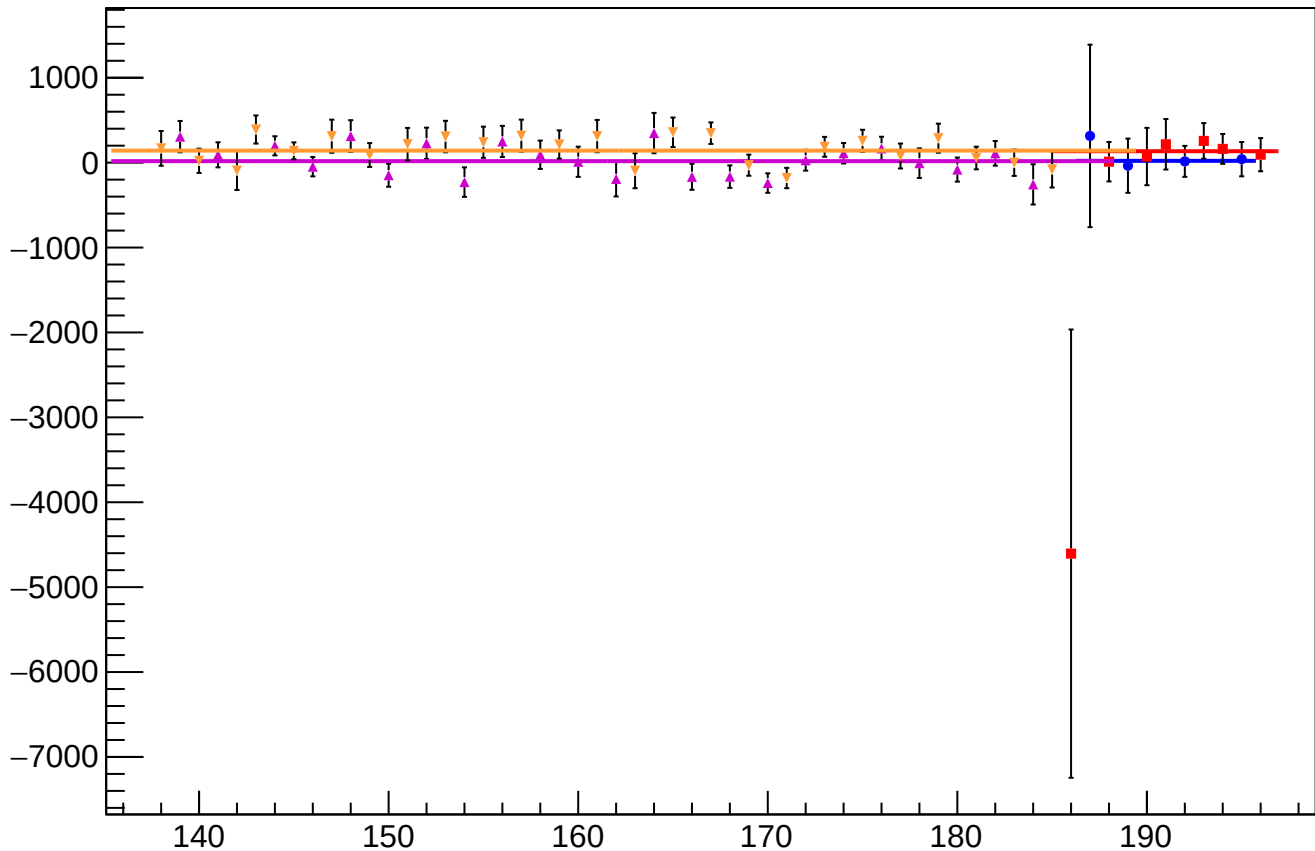
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF: 1382861.4/22

+ sign 124.738 $\pm$ 0.020 χ^2 /NDF: 2235395.6/28

All: 125.372 $\pm$ 0.014 χ^2 /NDF: 4869505.1/58

- sign 125.997 $\pm$ 0.020 χ^2 /NDF: 2632113.4/29

asym_sam_37_26_dd_mean vs Slug



Right In: 21.115 $\pm$ 123.790 χ^2 /NDF: 0.1/3

Left Out: 142.014 $\pm$ 30.574 χ^2 /NDF: 26.9/24

Right Out: 134.549 $\pm$ 91.298 χ^2 /NDF: 4.0/6

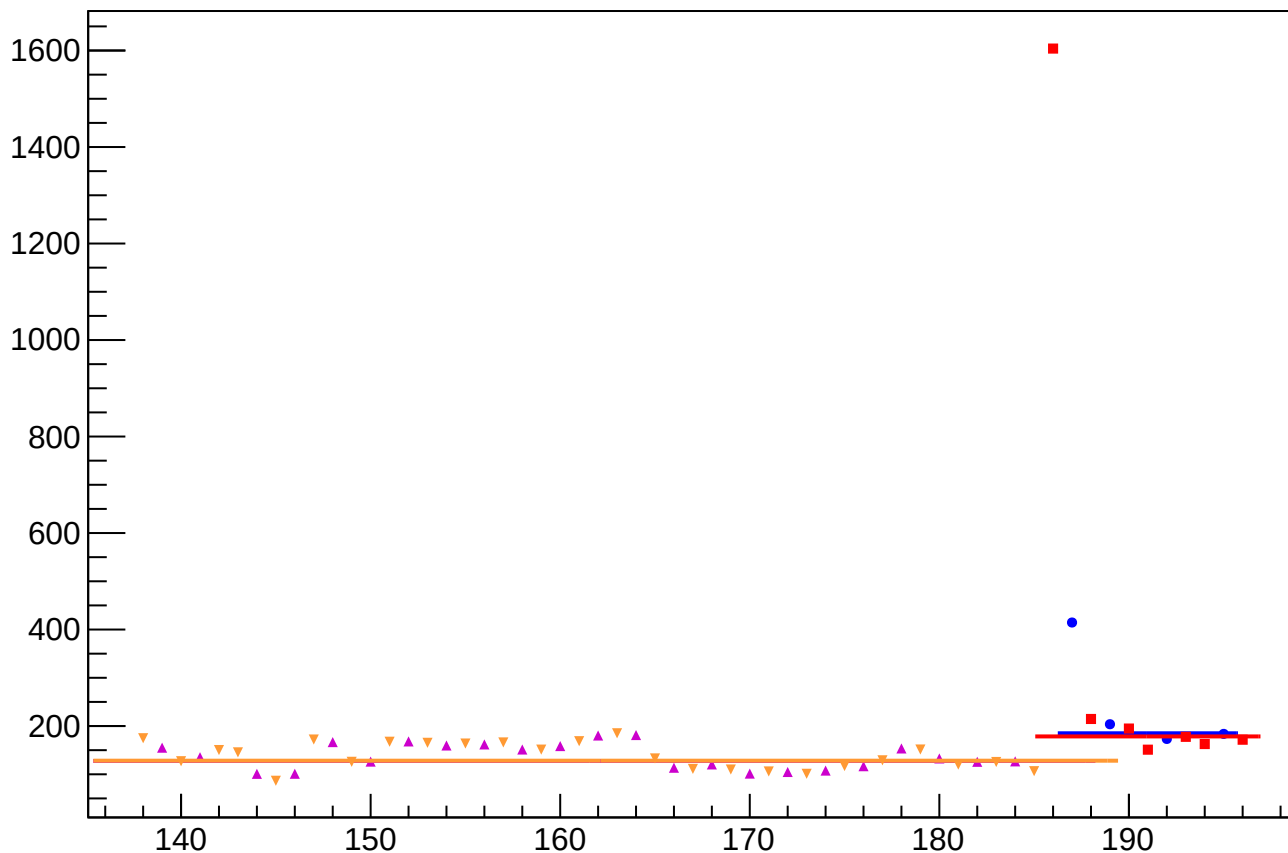
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 135.063 $\pm$ 29.682 χ^2 /NDF: 27.9/28

All: 82.216 $\pm$ 20.935 χ^2 /NDF: 69.8/58

- sign 29.907 $\pm$ 29.531 χ^2 /NDF: 35.6/29

asym_sam_37_26_dd_rms vs Slug



Right In: 184.983 $\pm$ 0.088 χ^2 /NDF: 106474.1/3

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF: 1532922.0/24

Right Out: 178.476 $\pm$ 0.065 χ^2 /NDF: 671767.8/6

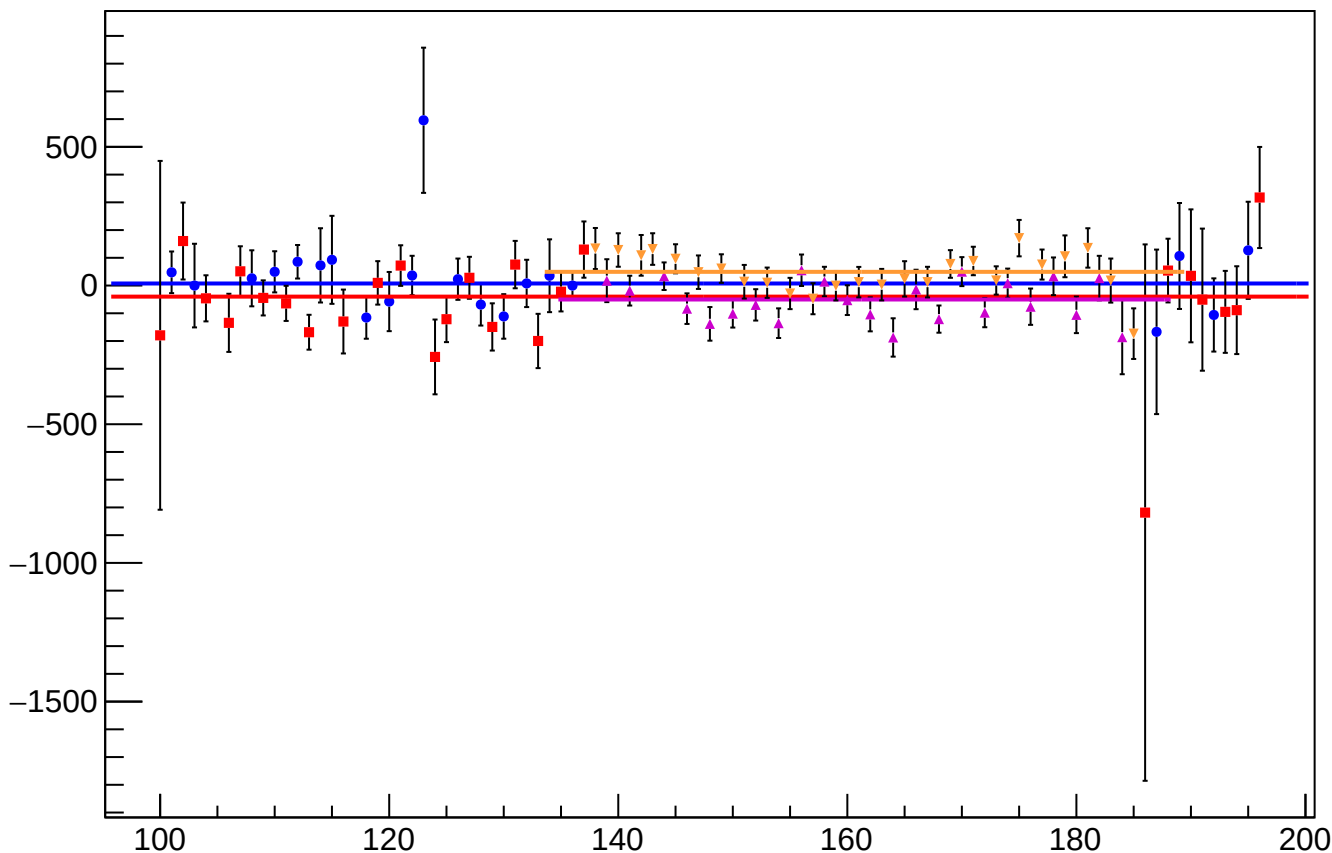
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF: 1235705.3/22

+ sign 131.441 $\pm$ 0.021 χ^2 /NDF: 2036375.0/28

All: 132.161 $\pm$ 0.015 χ^2 /NDF: 4503503.2/58

- sign 132.872 $\pm$ 0.021 χ^2 /NDF: 2464791.4/29

reg_asym_sam_1357_avg_mean vs Slug



Right In: 7.411 ± 19.676 χ^2/NDF : 16.2/20

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -39.948 ± 18.678 χ^2/NDF : 30.5/25

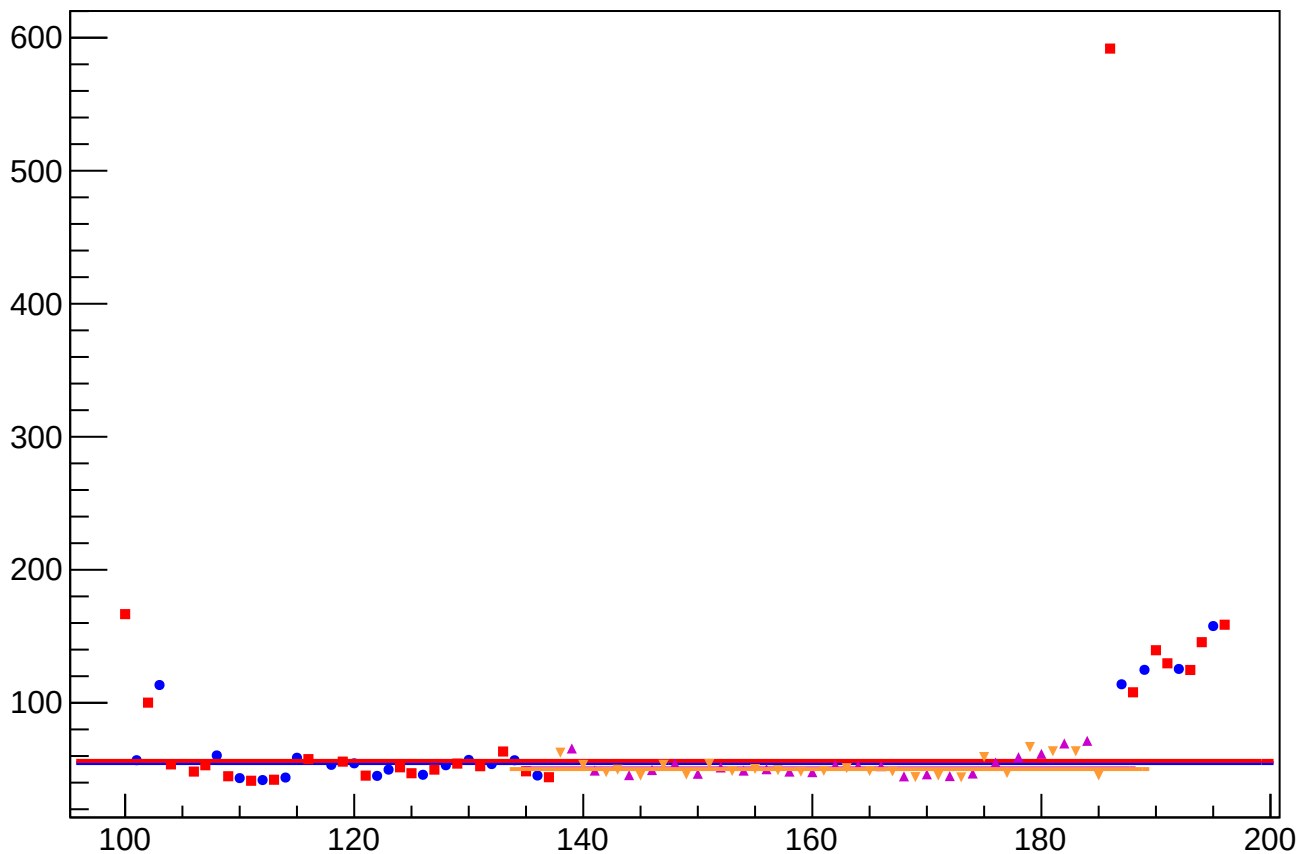
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 38.286 ± 10.123 χ^2/NDF : 47.6/45

All: -3.947 ± 7.201 χ^2/NDF : 145.8/94

- sign -47.207 ± 10.246 χ^2/NDF : 62.9/48

reg_asym_sam_1357_avg_rms vs Slug



Right In: 54.717 $\pm$ 0.014 χ^2 /NDF: 2217112.4/20

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 56.345 $\pm$ 0.013 χ^2 /NDF: 3830360.4/25

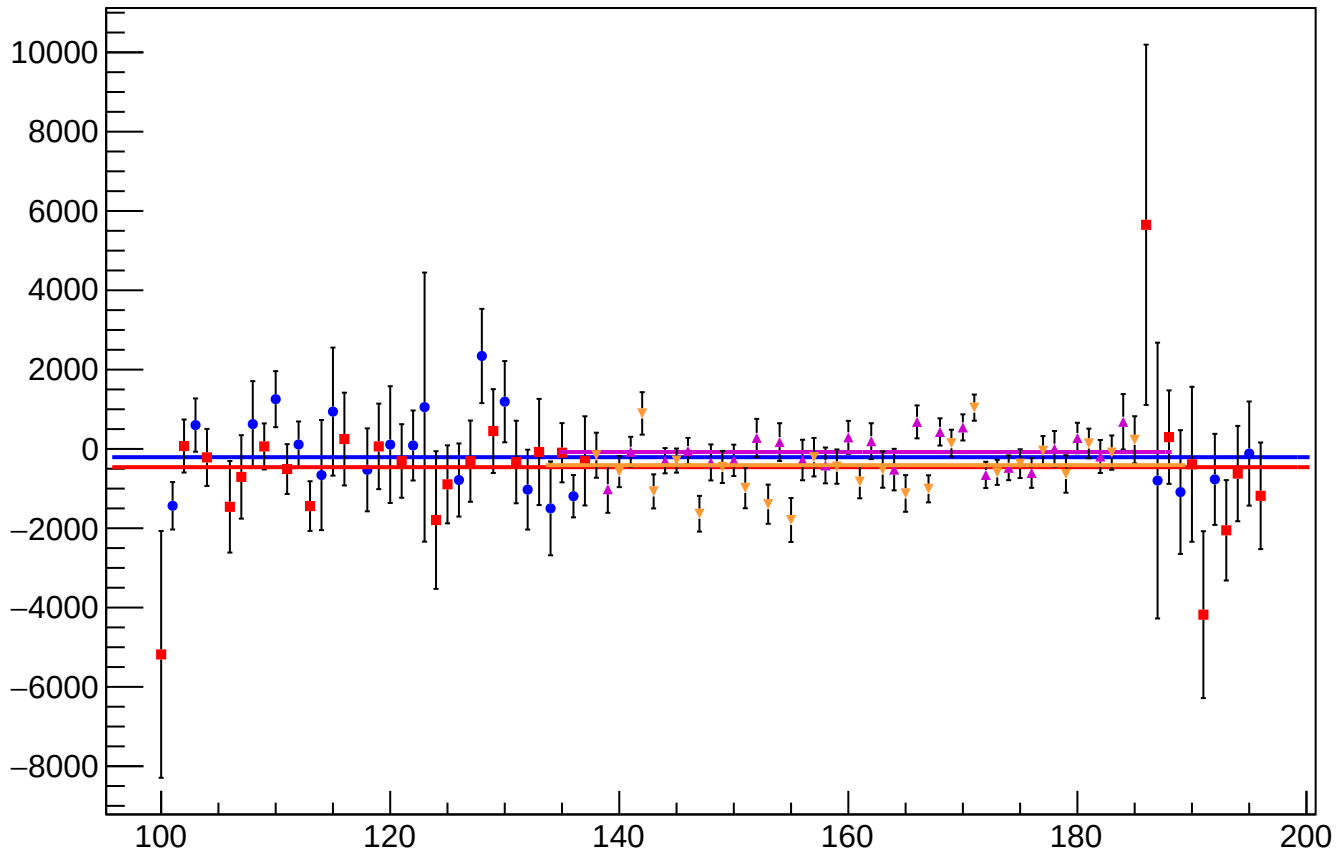
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 51.388 $\pm$ 0.007 χ^2 /NDF: 2762654.5/45

All: 51.881 $\pm$ 0.005 χ^2 /NDF: 7200425.3/94

- sign 52.387 $\pm$ 0.007 χ^2 /NDF: 4428151.4/48

asym_sam_1357_avg_correction_mean vs Slug



Right In: -208.056 ± 202.592 χ^2/NDF : 24.5/20

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -460.347 ± 191.931 χ^2/NDF : 16.9/25

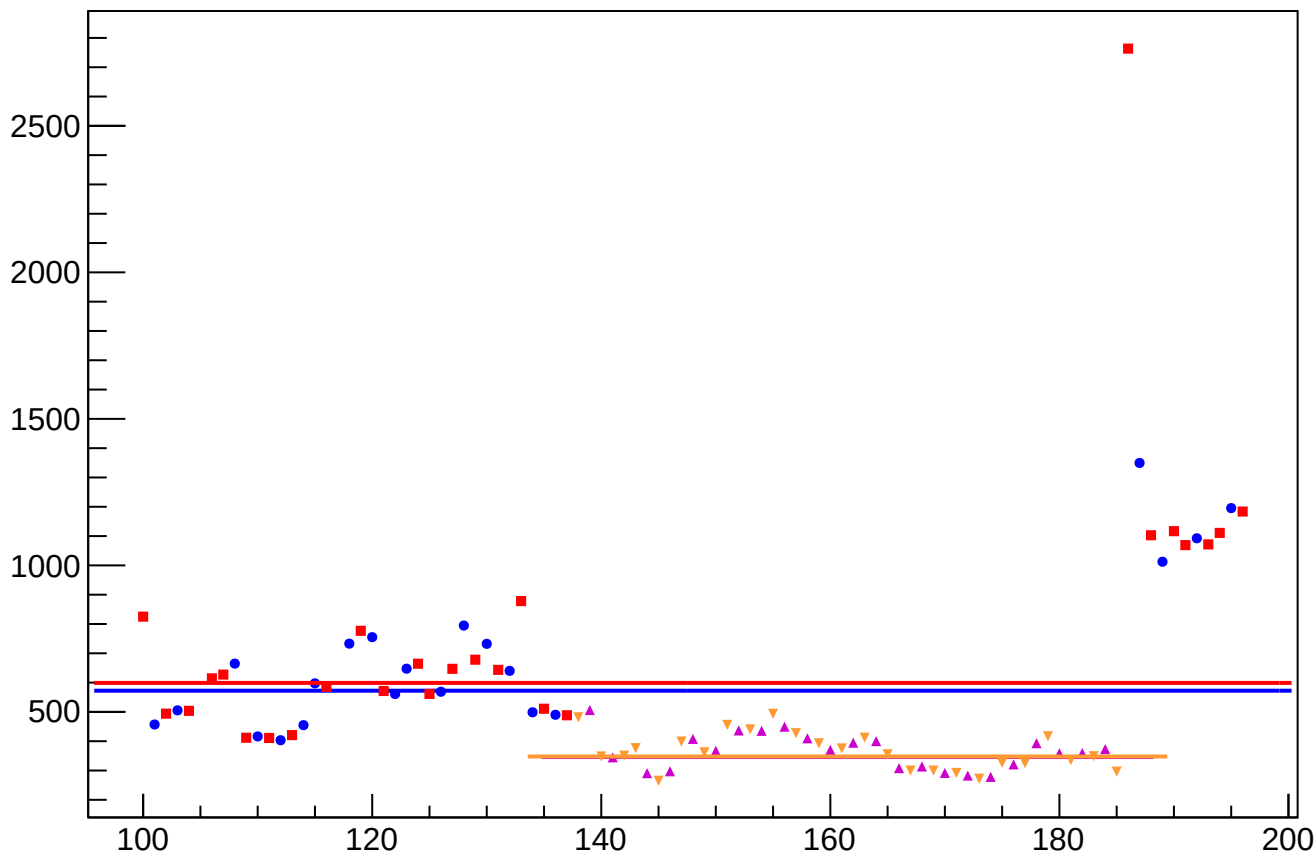
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -380.648 ± 76.287 χ^2/NDF : 87.1/45

All: -261.181 ± 54.196 χ^2/NDF : 137.1/94

- sign -139.444 ± 77.008 χ^2/NDF : 45.1/48

asym_sam_1357_avg_correction_rms vs Slug



Right In: 572.318 ± 0.143 χ^2/NDF : 1772842.2/20

Left Out: 347.875 ± 0.058 χ^2/NDF : 1044096.7/24

Right Out: 598.952 ± 0.136 χ^2/NDF : 2942139.4/25

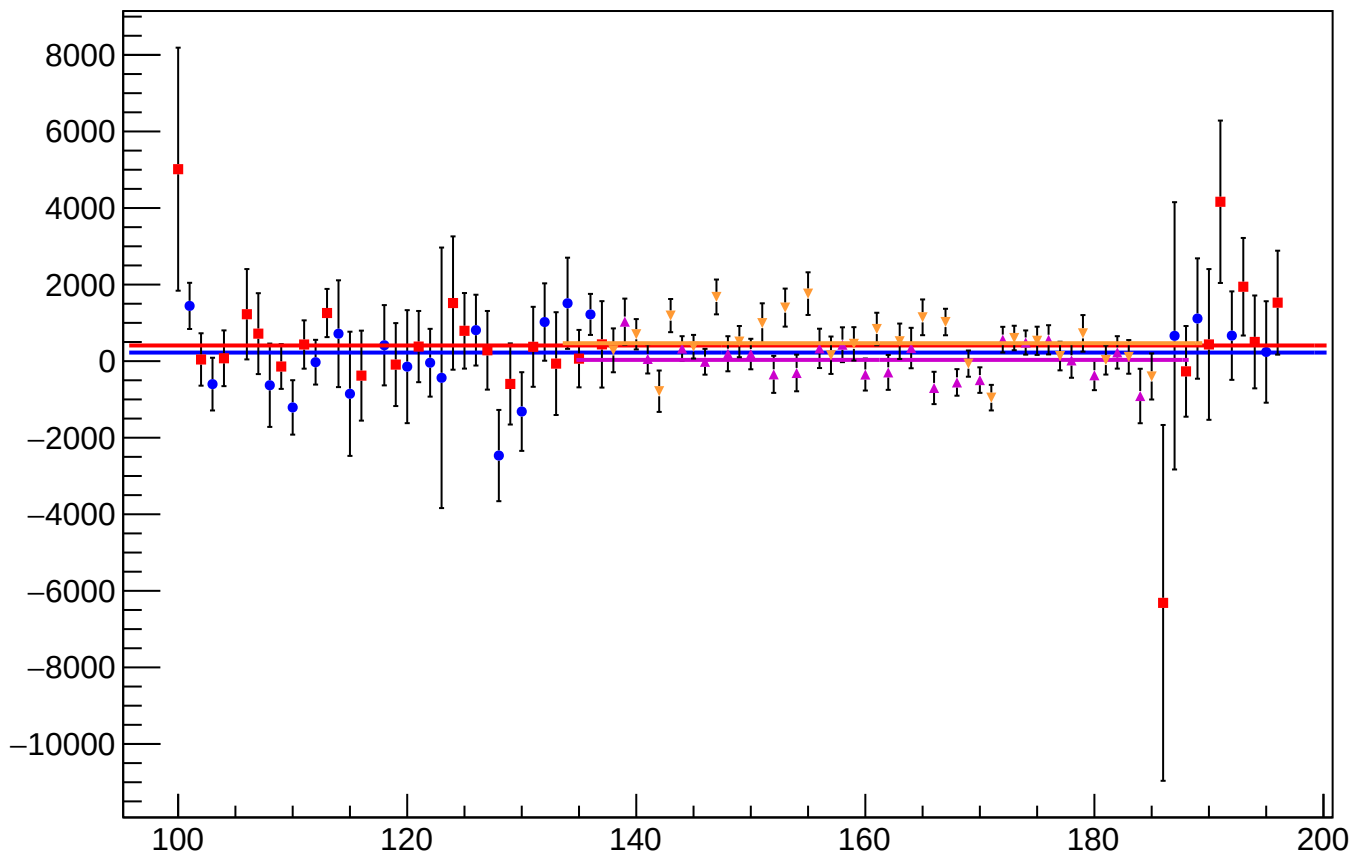
Left In: 345.954 ± 0.059 χ^2/NDF : 900847.0/22

+ sign 379.700 ± 0.054 χ^2/NDF : 4923560.8/45

All: 383.158 ± 0.038 χ^2/NDF : 11690550.2/94

- sign 386.683 ± 0.054 χ^2/NDF : 6758688.9/48

asym_sam_1357_avg_mean vs Slug



Right In: 224.090 $\pm$ 204.030 χ^2 /NDF: 24.6/20

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF: 57.5/24

Right Out: 409.378 $\pm$ 193.422 χ^2 /NDF: 16.0/25

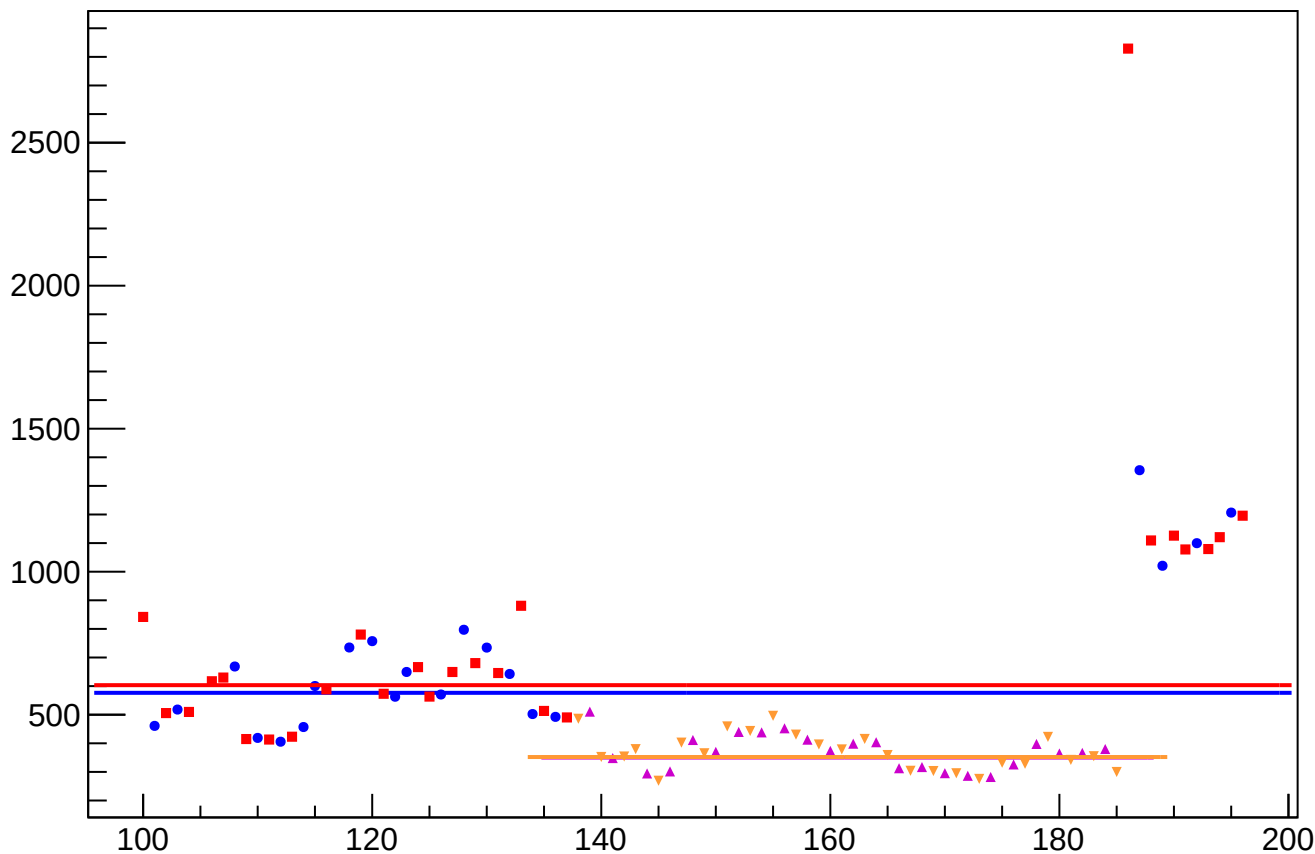
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 433.895 $\pm$ 77.117 χ^2 /NDF: 83.4/45

All: 265.508 $\pm$ 54.793 χ^2 /NDF: 137.9/94

- sign 93.831 $\pm$ 77.866 χ^2 /NDF: 44.9/48

asym_sam_1357_avg_rms vs Slug



Right In: 576.513+/-0.144 χ^2/NDF : 1766233.2/20

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 603.313+/-0.137 χ^2/NDF : 2941843.7/25

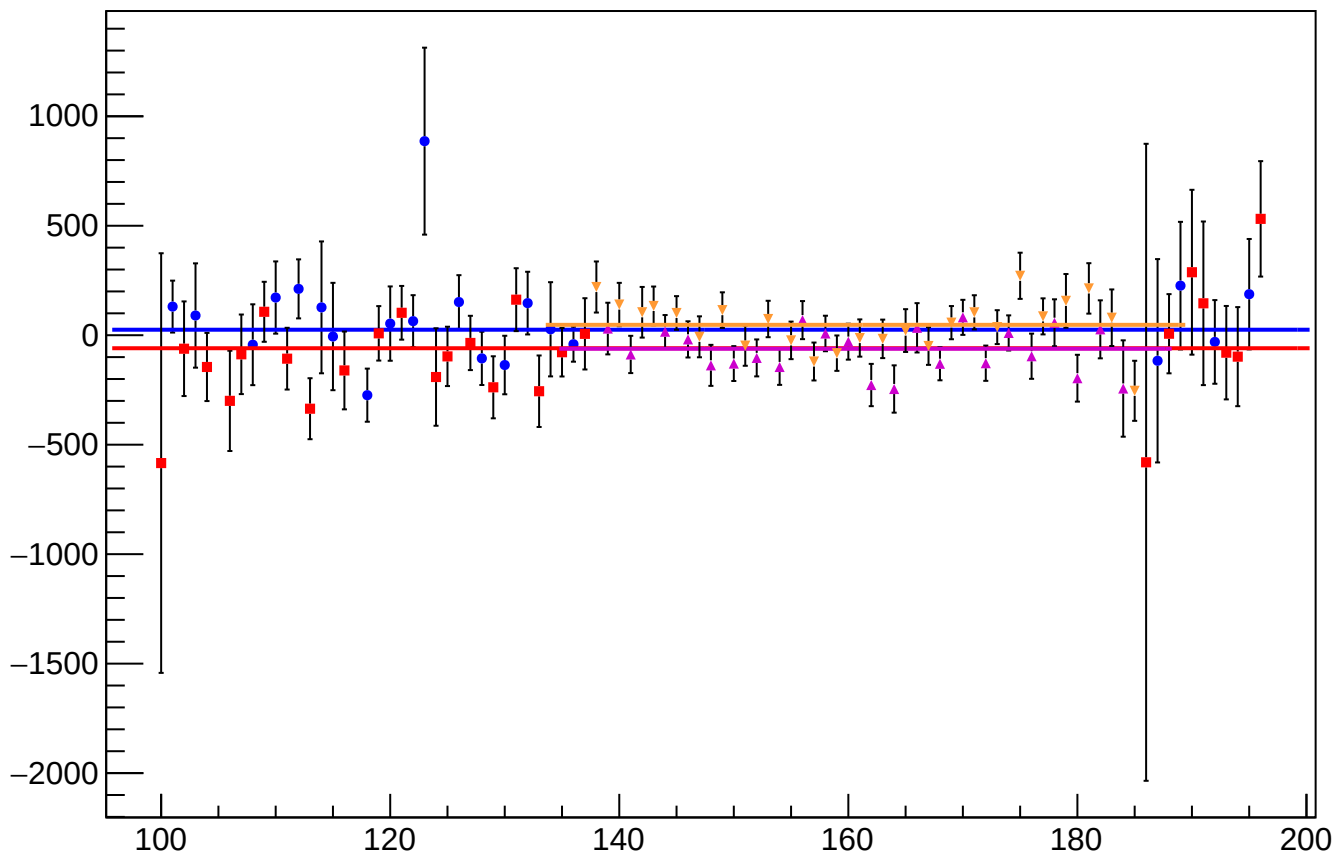
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 384.086+/-0.055 χ^2/NDF : 4858923.6/45

All: 387.602+/-0.039 χ^2/NDF : 11558283.1/94

- sign 391.187+/-0.055 χ^2/NDF : 6690962.5/48

reg_asym_sam_2468_avg_mean vs Slug



Right In: 25.118 ± 33.463 χ^2/NDF : 20.3/20

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: -59.456 ± 32.847 χ^2/NDF : 22.2/25

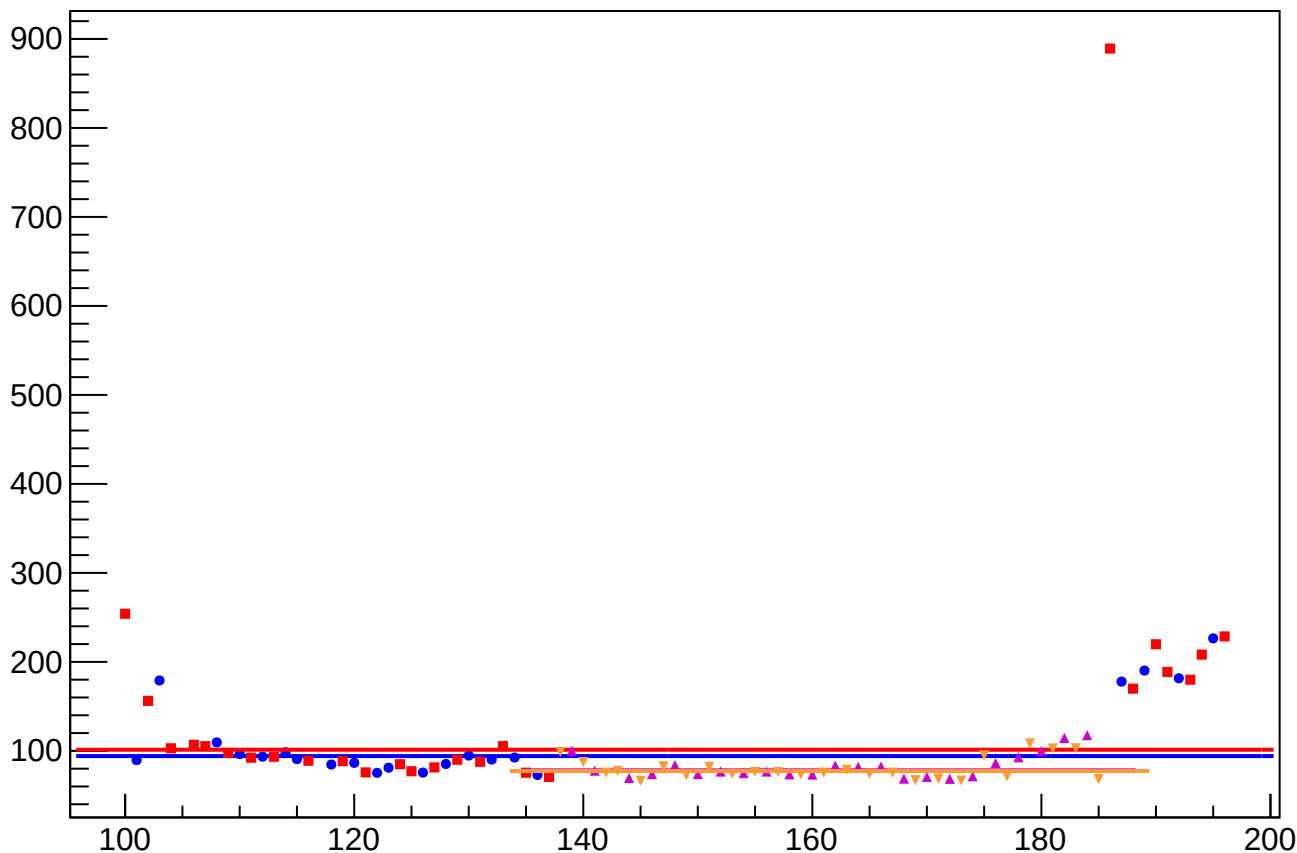
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 42.310 ± 16.024 χ^2/NDF : 50.0/45

All: -8.202 ± 11.468 χ^2/NDF : 116.5/94

- sign -61.237 ± 16.419 χ^2/NDF : 46.1/48

reg_asym_sam_2468_avg_rms vs Slug



Right In: 94.143 $\pm$ 0.024 χ^2 /NDF: 1791873.9/20

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF: 635622.3/24

Right Out: 101.278 $\pm$ 0.023 χ^2 /NDF: 3019130.0/25

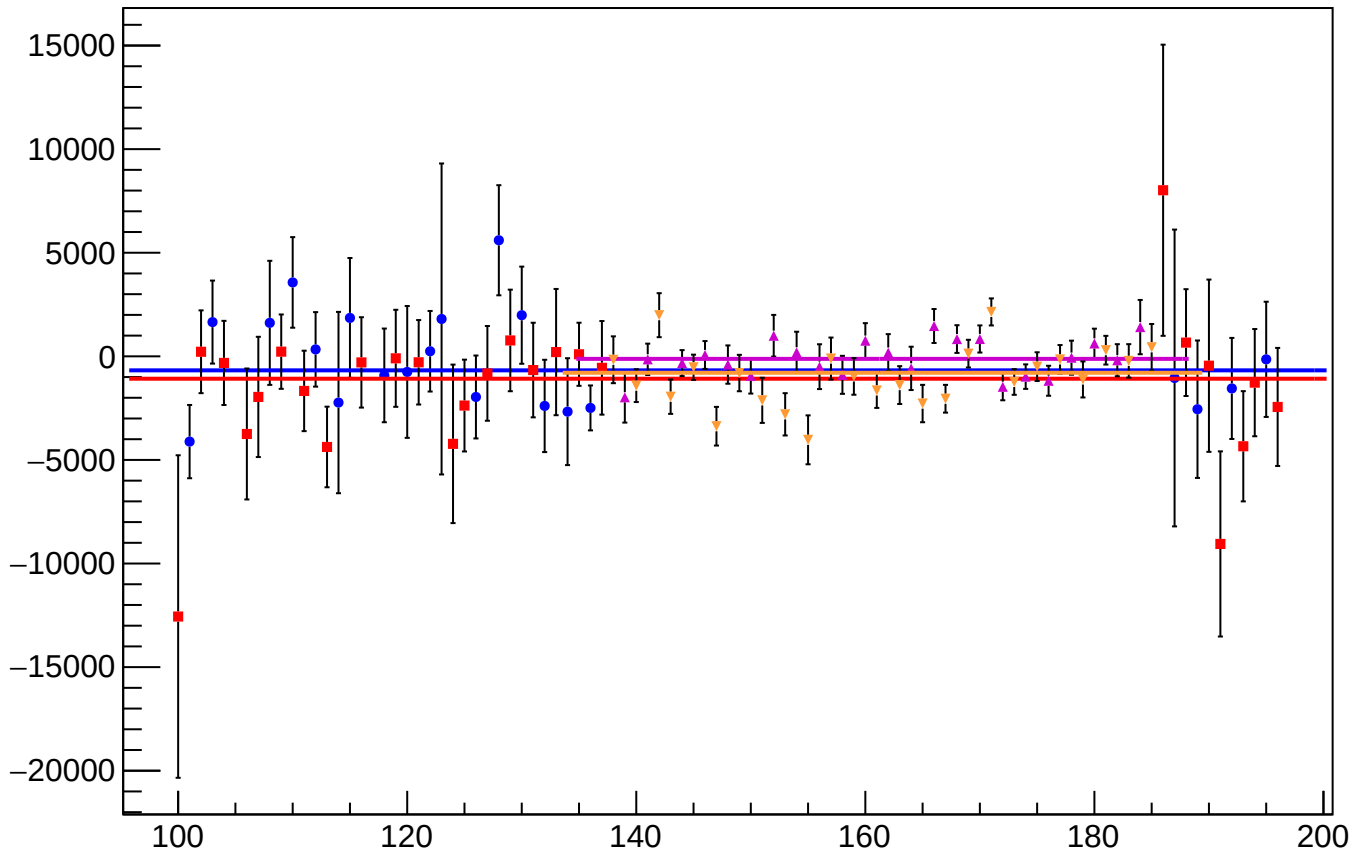
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

+ sign 81.175 $\pm$ 0.011 χ^2 /NDF: 2817241.7/45

All: 82.514 $\pm$ 0.008 χ^2 /NDF: 7191662.2/94

- sign 83.921 $\pm$ 0.012 χ^2 /NDF: 4345768.4/48

asym_sam_2468_avg_correction_mean vs Slug



Right In: -676.368+/-491.973 χ^2/NDF : 22.8/20

Left Out: -792.776+/-162.659 χ^2/NDF : 66.6/24

Right Out: -1080.457+/-473.959 χ^2/NDF : 17.0/25

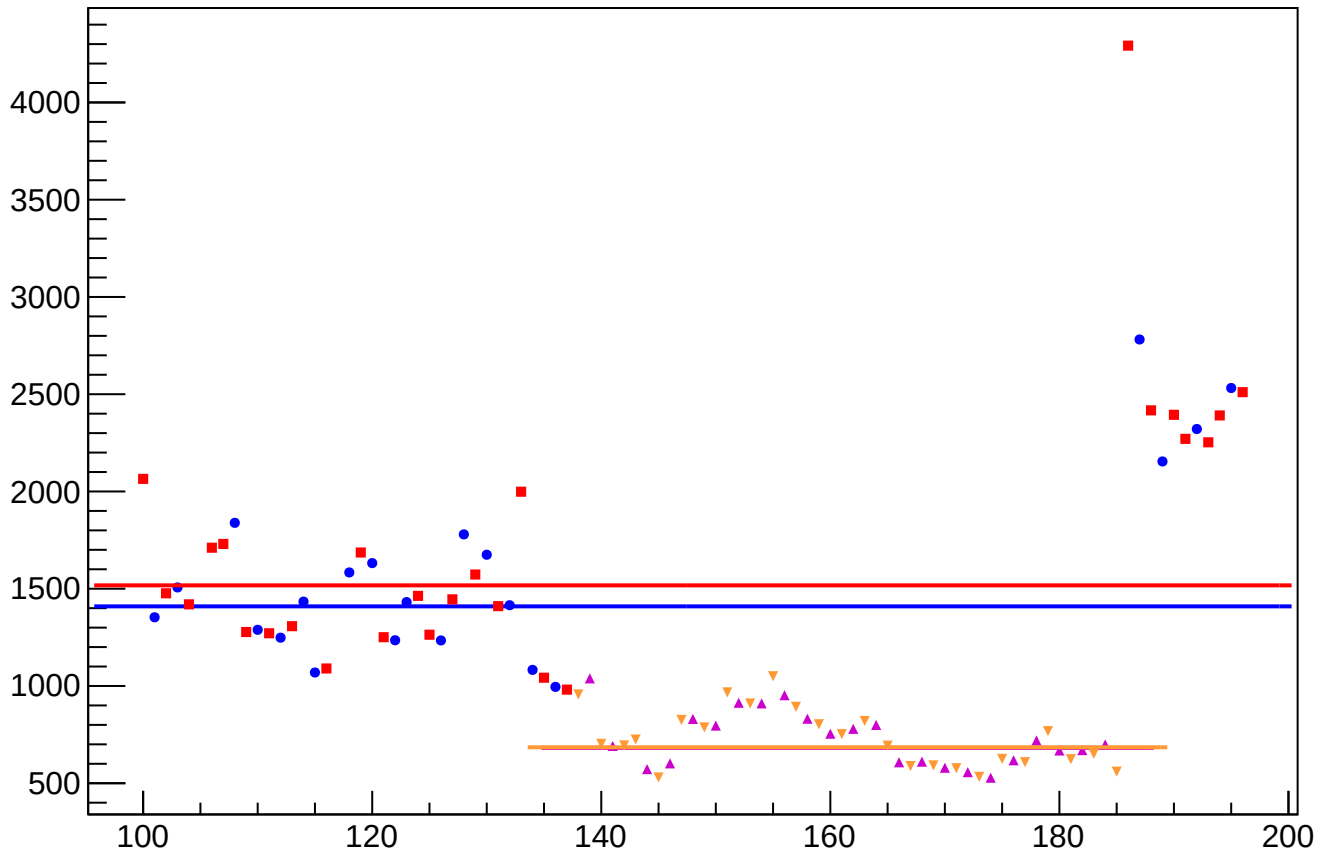
Left In: -122.198+/-166.193 χ^2/NDF : 25.9/22

+ sign -781.305+/-154.437 χ^2/NDF : 89.5/45

All: -508.475+/-110.040 χ^2/NDF : 142.4/94

- sign -227.120+/-156.831 χ^2/NDF : 46.6/48

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1409.352 ± 0.348 $\chi^2/\text{NDF}: 1318879.0/20$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

+ sign 756.185 ± 0.109 $\chi^2/\text{NDF}: 6509694.7/45$

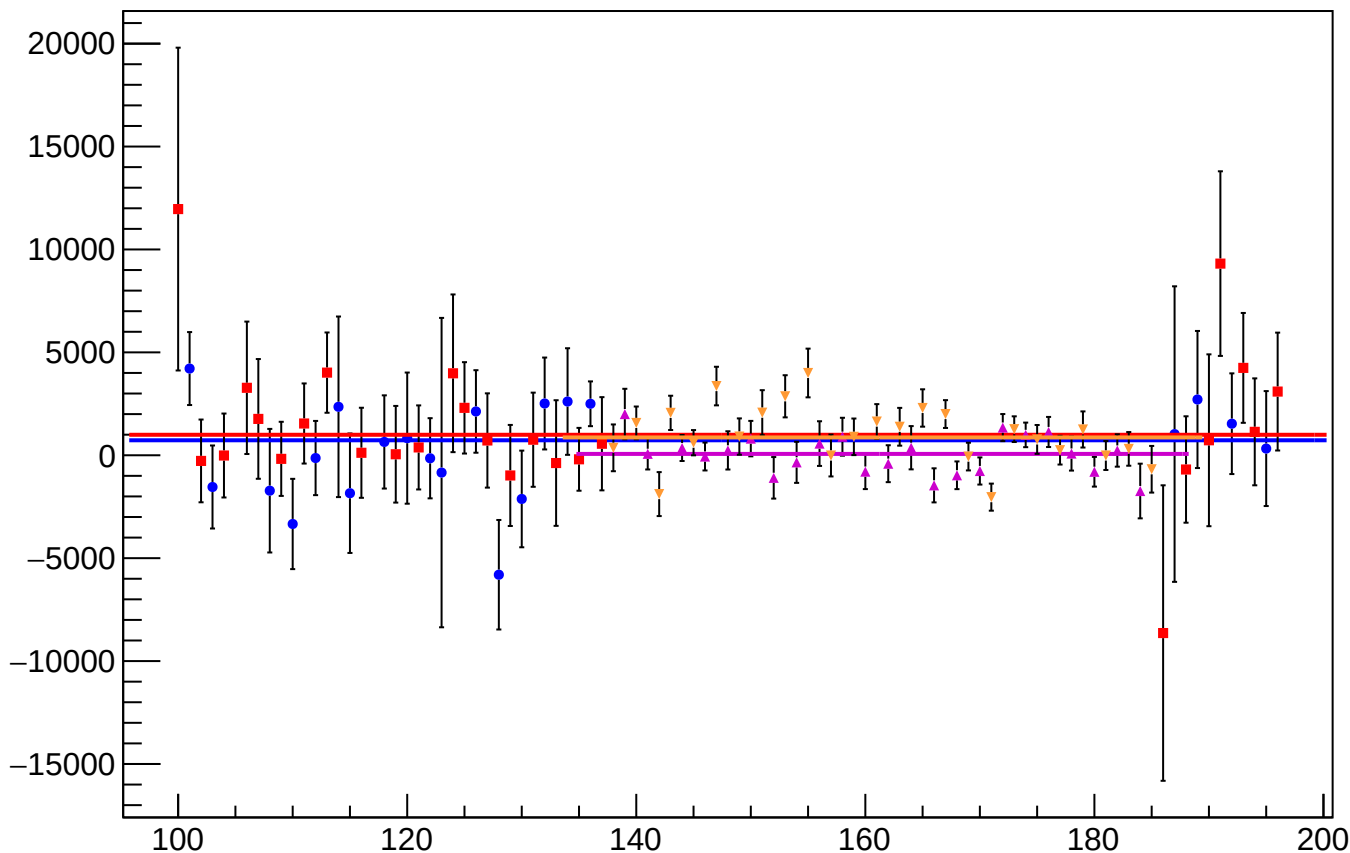
Right Out: 1517.256 ± 0.335 $\chi^2/\text{NDF}: 1962738.2/25$

All: 764.560 ± 0.078 $\chi^2/\text{NDF}: 15139106.2/94$

Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

- sign 773.198 ± 0.111 $\chi^2/\text{NDF}: 8617462.7/48$

asym_sam_2468_avg_mean vs Slug



Right In: 728.006 ± 493.416 χ^2/NDF : 22.9/20

Left Out: 865.597 ± 163.885 χ^2/NDF : 62.8/24

Right Out: 995.656 ± 475.605 χ^2/NDF : 16.7/25

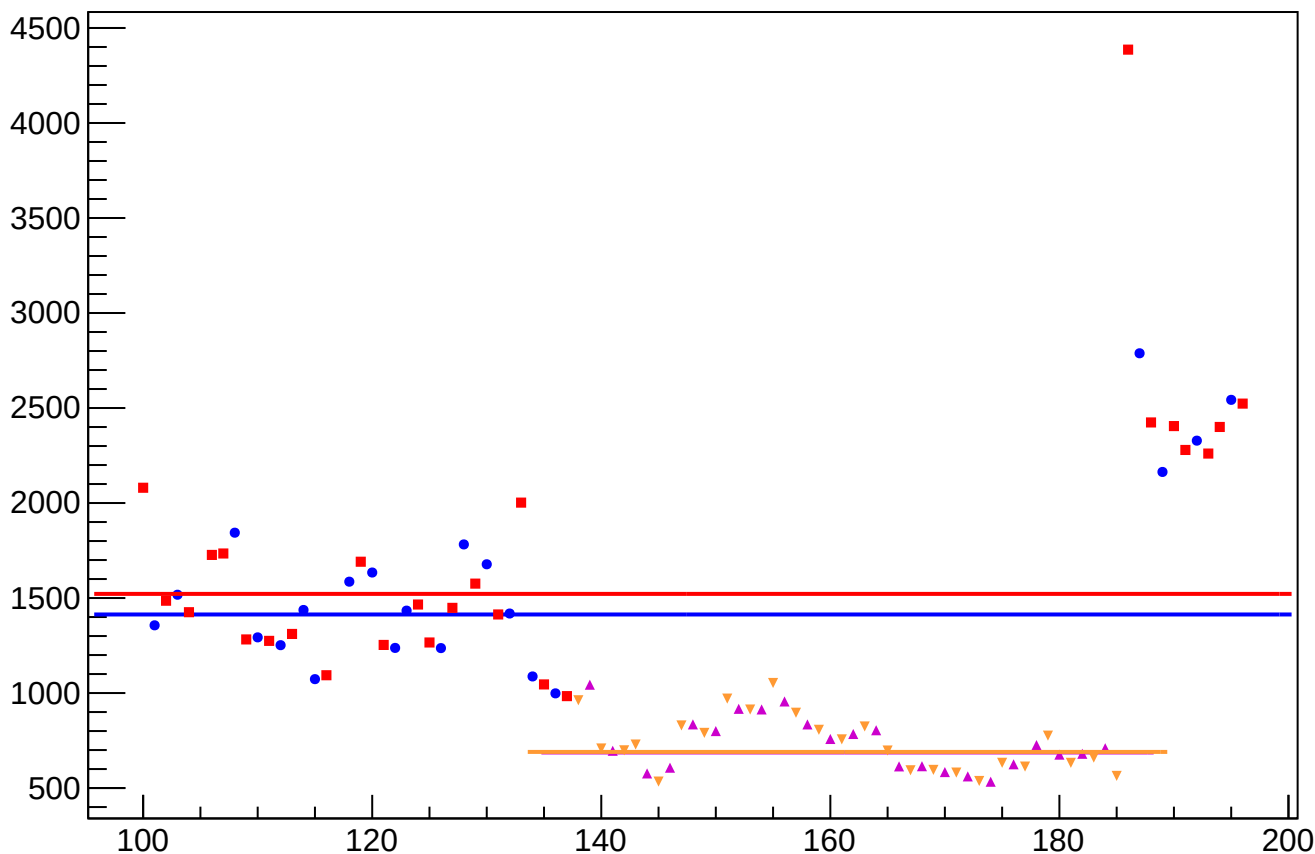
Left In: 65.924 ± 167.485 χ^2/NDF : 26.4/22

+ sign 851.926 ± 155.531 χ^2/NDF : 85.8/45

All: 515.542 ± 110.831 χ^2/NDF : 141.8/94

- sign 168.500 ± 157.975 χ^2/NDF : 46.5/48

asym_sam_2468_avg_rms vs Slug



Right In: 1413.458 $\pm$ 0.349 χ^2 /NDF: 1319823.5/20

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF:1258158.2/24

Right Out: 1521.780 $\pm$ 0.336 χ^2 /NDF: 1973408.9/25

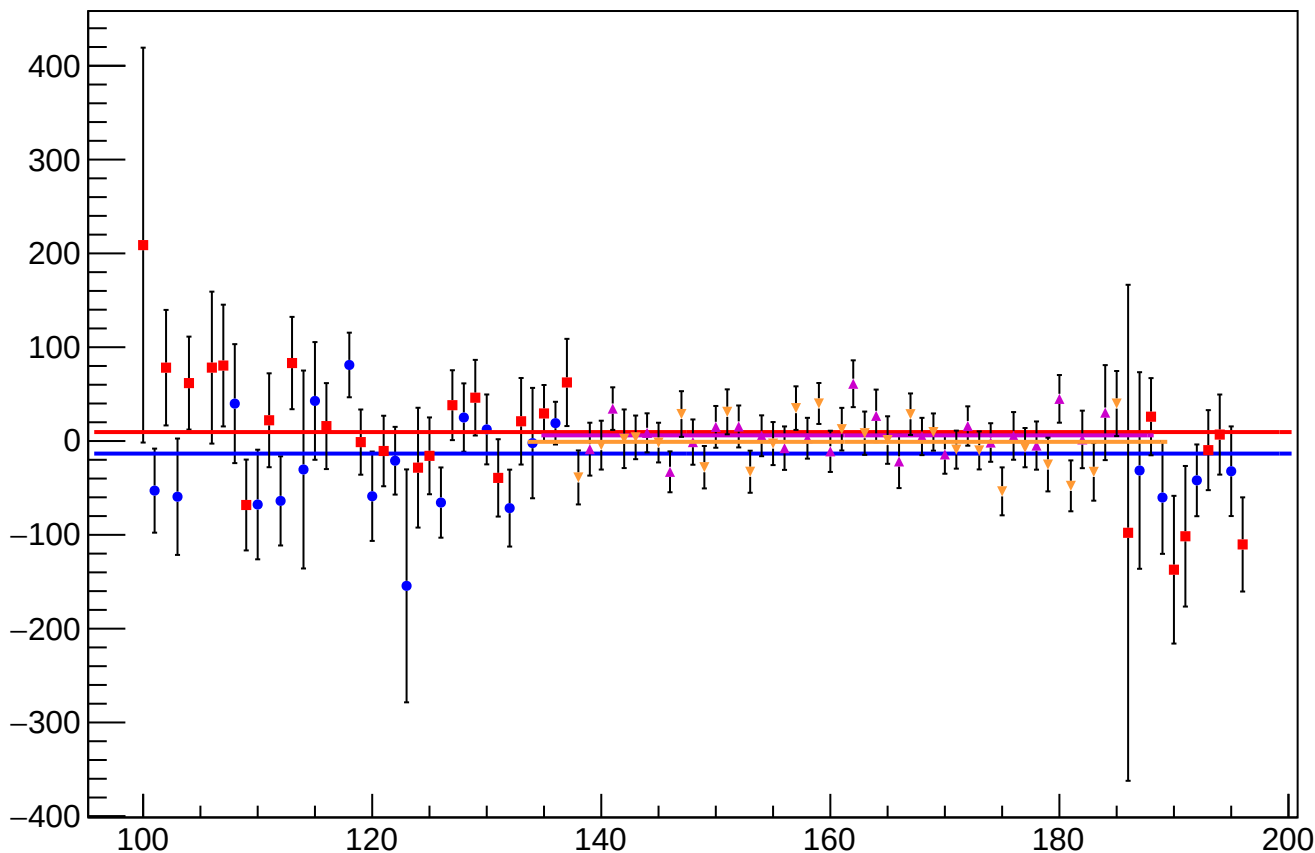
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF:1099706.1/22

+ sign 762.032 $\pm$ 0.110 χ^2 /NDF: 6448615.5/45

All: 770.527 $\pm$ 0.078 χ^2 /NDF: 15012668.7/94

- sign 779.292 $\pm$ 0.112 χ^2 /NDF: 8551928.7/48

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -13.390 ± 9.669 $\chi^2/\text{NDF}: 23.6/20$

Left Out: -0.861 ± 4.760 $\chi^2/\text{NDF}: 27.9/24$

Right Out: 9.549 ± 9.300 $\chi^2/\text{NDF}: 27.7/25$

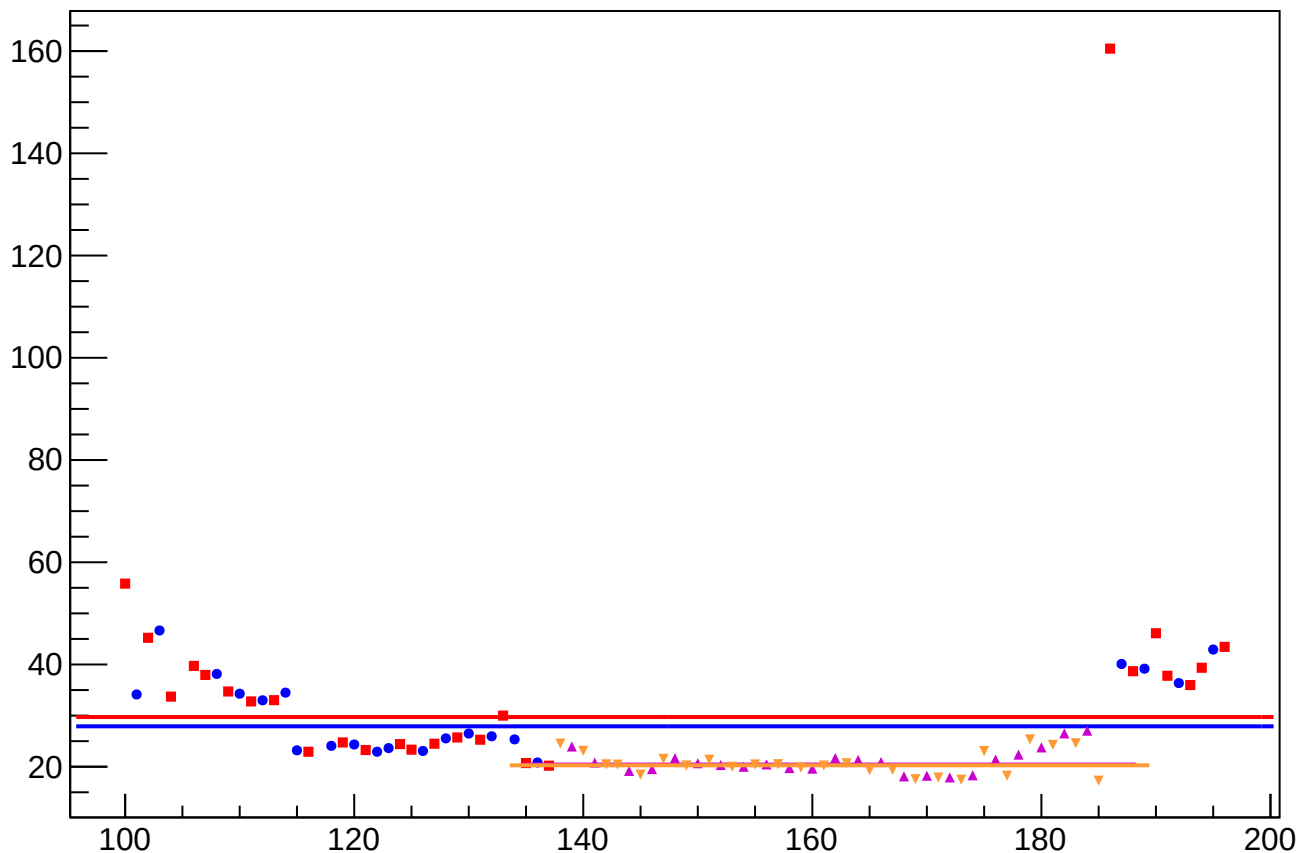
Left In: 6.042 ± 4.925 $\chi^2/\text{NDF}: 16.9/22$

+ sign -3.305 ± 4.271 $\chi^2/\text{NDF}: 52.8/45$

All: 1.656 ± 3.048 $\chi^2/\text{NDF}: 100.3/94$

- sign 6.810 ± 4.353 $\chi^2/\text{NDF}: 44.7/48$

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 27.903+/-0.007 χ^2/NDF : 1054562.5/20

Left Out: 20.279+/-0.003 χ^2/NDF : 407056.4/24

Right Out: 29.722+/-0.007 χ^2/NDF : 1808505.4/25

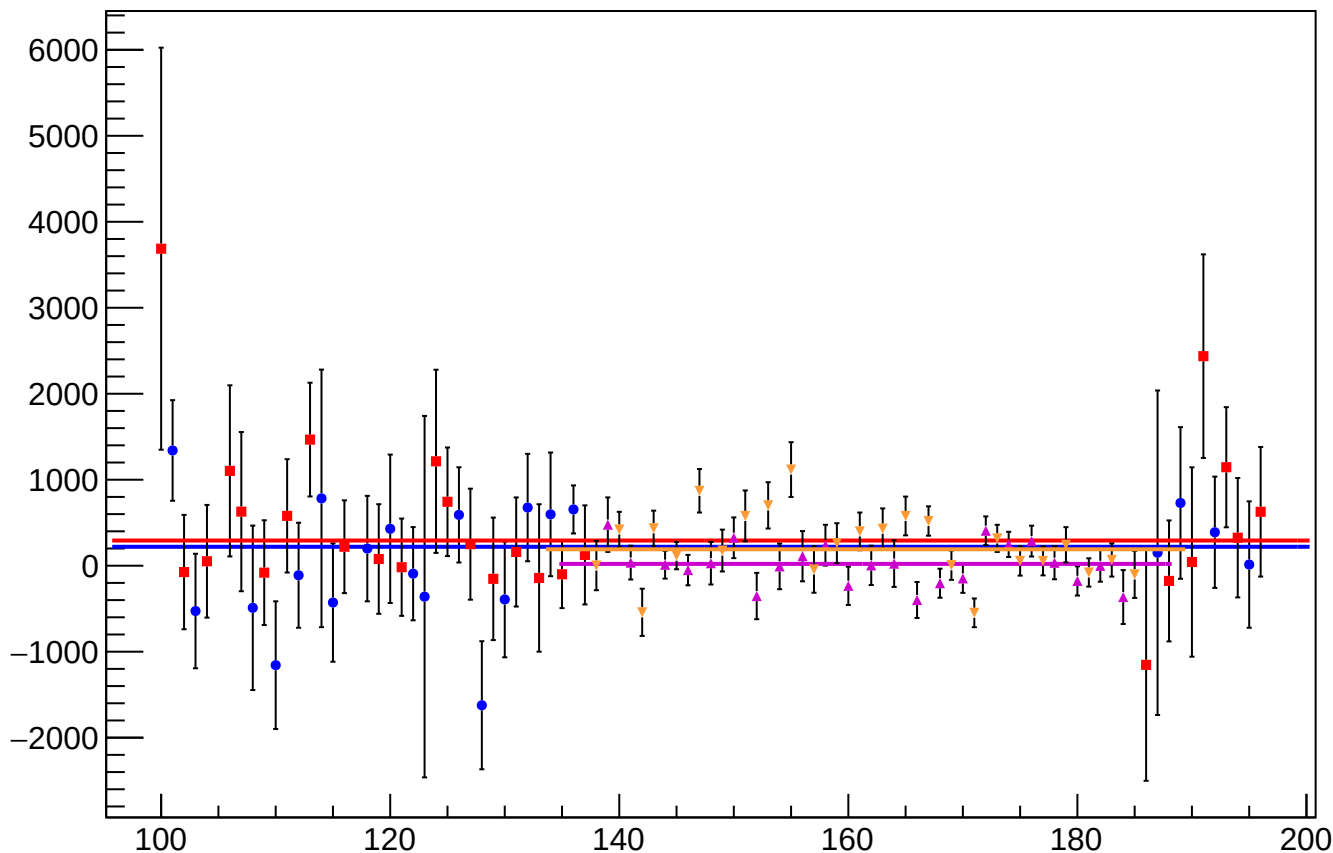
Left In: 20.424+/-0.003 χ^2/NDF : 323427.4/22

+ sign 21.767+/-0.003 χ^2/NDF : 2462467.0/45

All: 22.107+/-0.002 χ^2/NDF : 6181776.6/94

- sign 22.461+/-0.003 χ^2/NDF : 3693405.3/48

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 220.033 ± 139.565 χ^2/NDF : 21.8/20

Left Out: 190.867 ± 41.314 χ^2/NDF : 67.9/24

Right Out: 293.000 ± 135.676 χ^2/NDF : 17.1/25

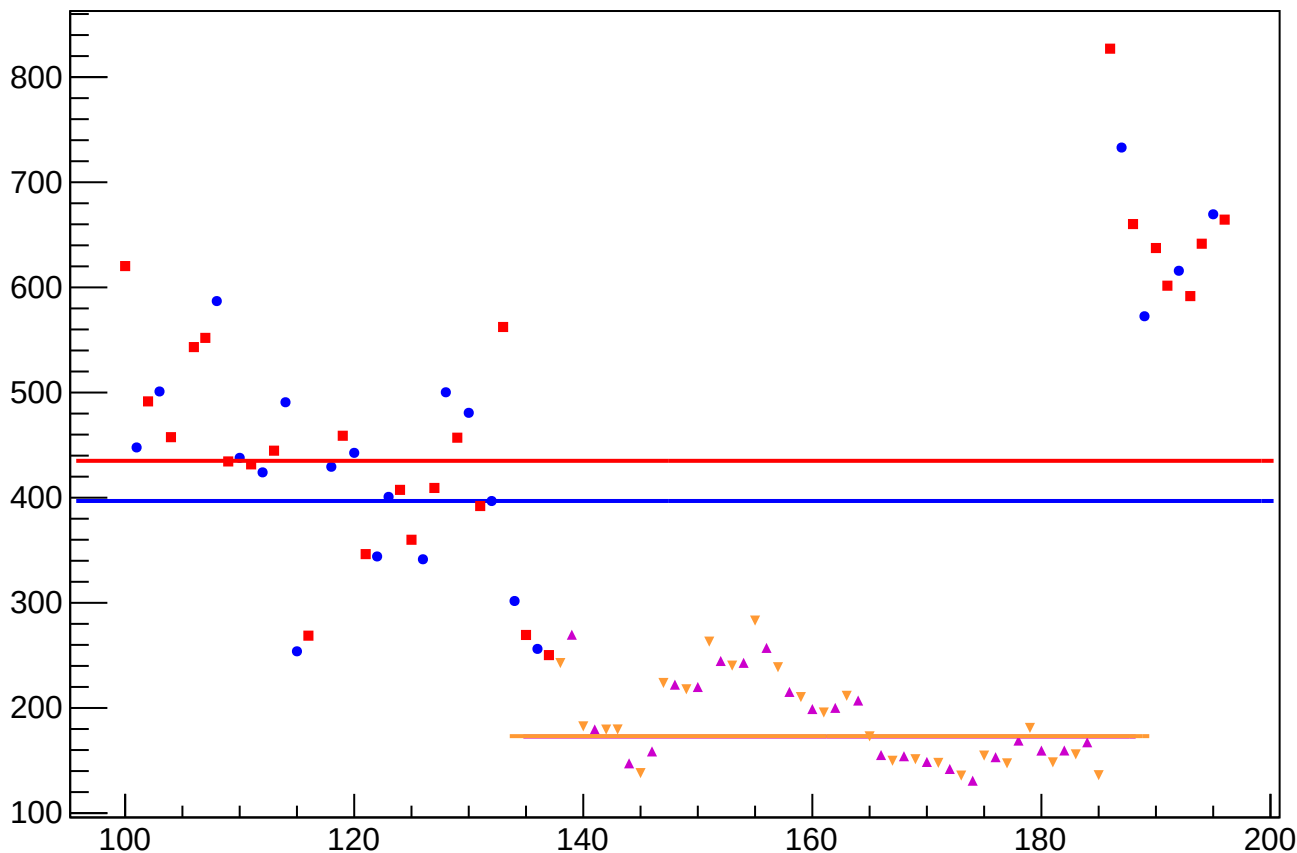
Left In: 20.998 ± 42.291 χ^2/NDF : 27.7/22

+ sign 193.217 ± 39.615 χ^2/NDF : 89.7/45

All: 120.559 ± 28.277 χ^2/NDF : 145.1/94

- sign 45.085 ± 40.375 χ^2/NDF : 48.5/48

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 396.873+/-0.099 χ^2/NDF : 1556380.6/20

Left Out: 173.210+/-0.029 χ^2/NDF : 1561250.6/24

Right Out: 435.060+/-0.096 χ^2/NDF : 1919445.7/25

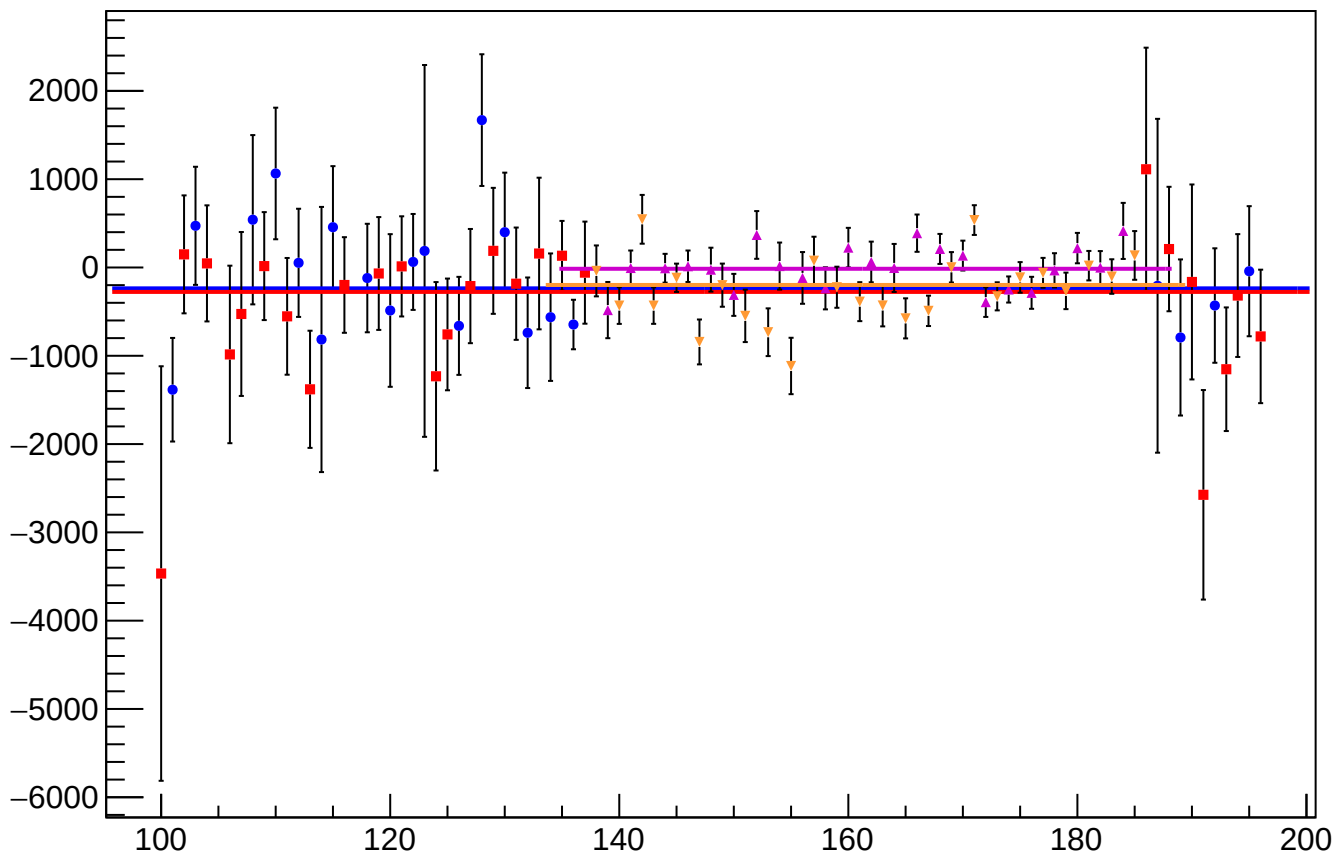
Left In: 172.828+/-0.030 χ^2/NDF : 1372131.7/22

+ sign 191.230+/-0.028 χ^2/NDF : 7840309.8/45

All: 193.594+/-0.020 χ^2/NDF : 17956124.4/94

- sign 196.050+/-0.029 χ^2/NDF : 10101291.8/48

asym_sam_1357_2468_dd_mean vs Slug



Right In: -236.339 ± 139.959 χ^2/NDF : 22.0/20

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -276.565 ± 136.088 χ^2/NDF : 17.2/25

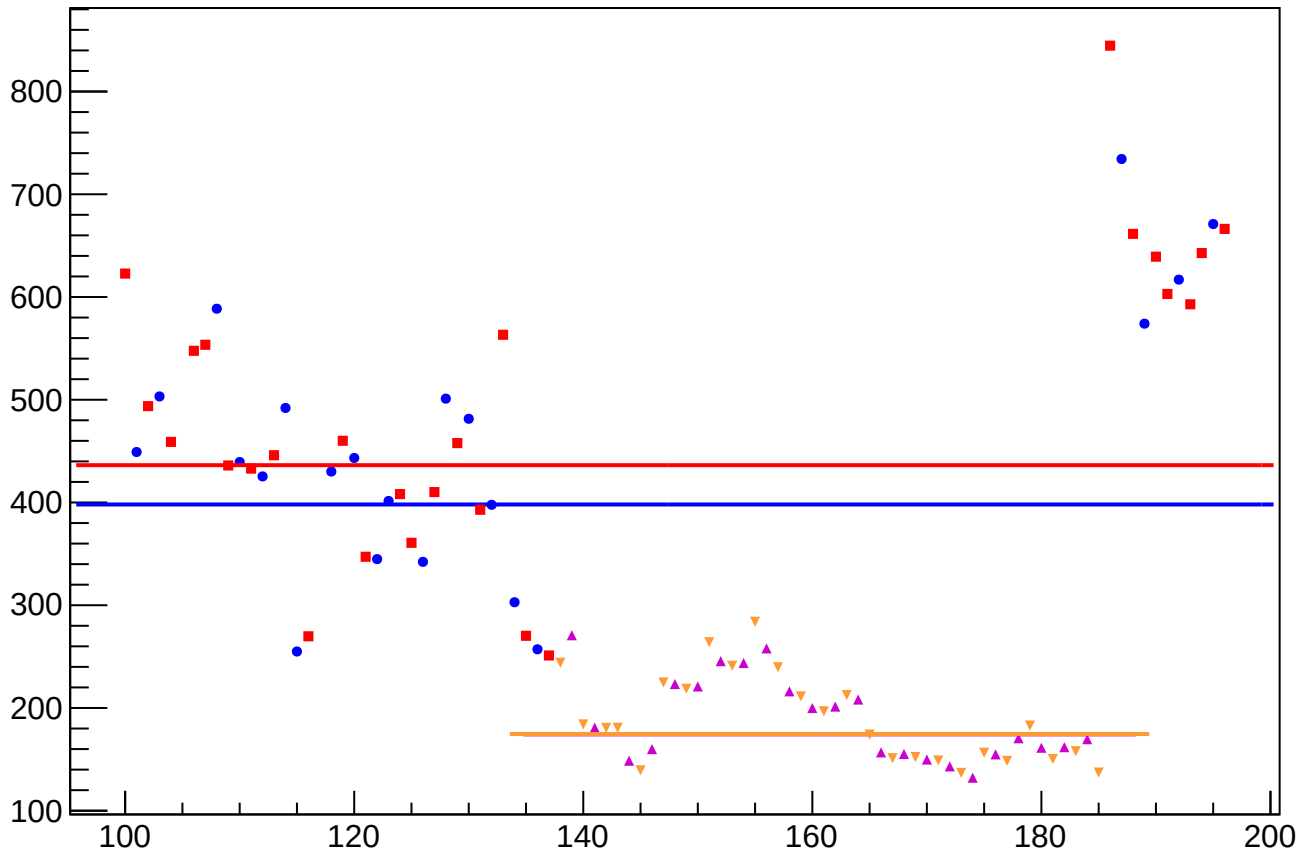
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -201.042 ± 39.909 χ^2/NDF : 86.4/45

All: -121.091 ± 28.489 χ^2/NDF : 142.8/94

- sign -38.023 ± 40.680 χ^2/NDF : 48.3/48

asym_sam_1357_2468_dd_rms vs Slug



Right In: 398.059 ± 0.099 $\chi^2/\text{NDF}: 1551717.9/20$

Left Out: 174.648 ± 0.029 $\chi^2/\text{NDF}: 1531999.5/24$

Right Out: 436.313 ± 0.096 $\chi^2/\text{NDF}: 1924026.2/25$

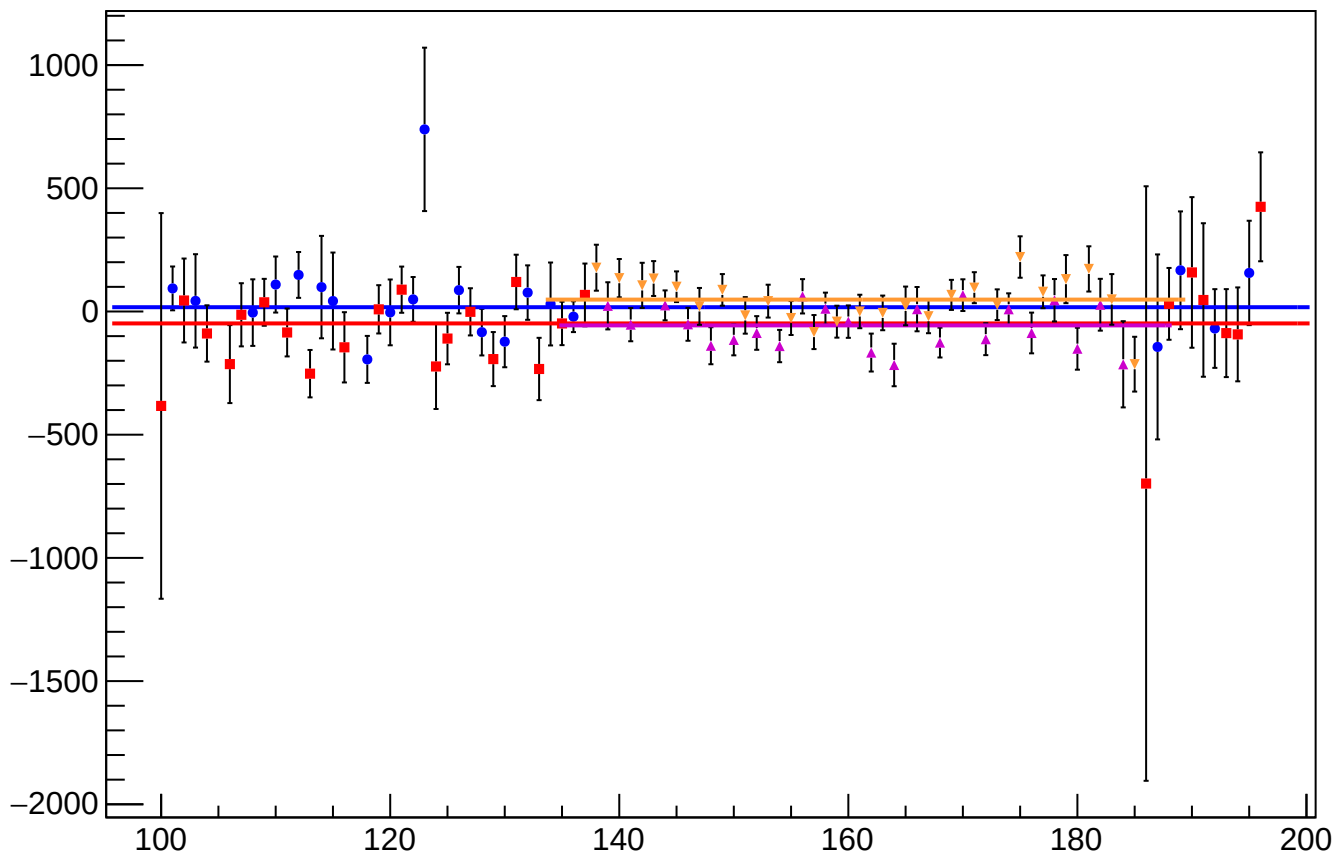
Left In: 174.288 ± 0.030 $\chi^2/\text{NDF}: 1344779.5/22$

+ sign 192.814 ± 0.028 $\chi^2/\text{NDF}: 7765447.6/45$

All: 195.211 ± 0.020 $\chi^2/\text{NDF}: 17800872.5/94$

- sign 197.702 ± 0.029 $\chi^2/\text{NDF}: 10020709.3/48$

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 17.388 ± 25.620 χ^2/NDF : 18.9/20

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: -48.429 ± 24.958 χ^2/NDF : 24.6/25

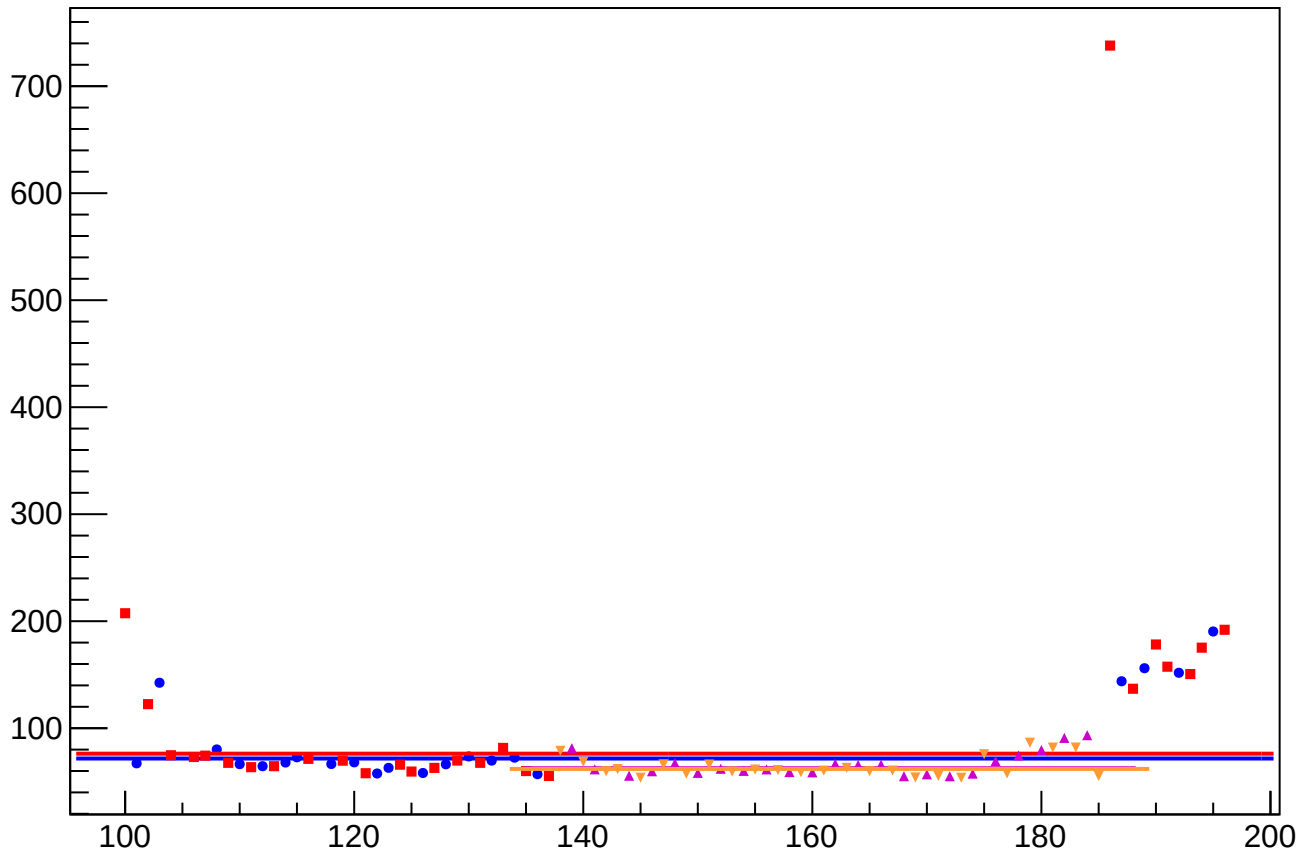
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 40.660 ± 12.695 χ^2/NDF : 49.2/45

All: -5.776 ± 9.073 χ^2/NDF : 128.7/94

- sign -54.250 ± 12.971 χ^2/NDF : 52.1/48

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 71.664 $\pm$ 0.018 χ^2 /NDF: 1979077.8/20

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 76.191 $\pm$ 0.018 χ^2 /NDF: 3357387.2/25

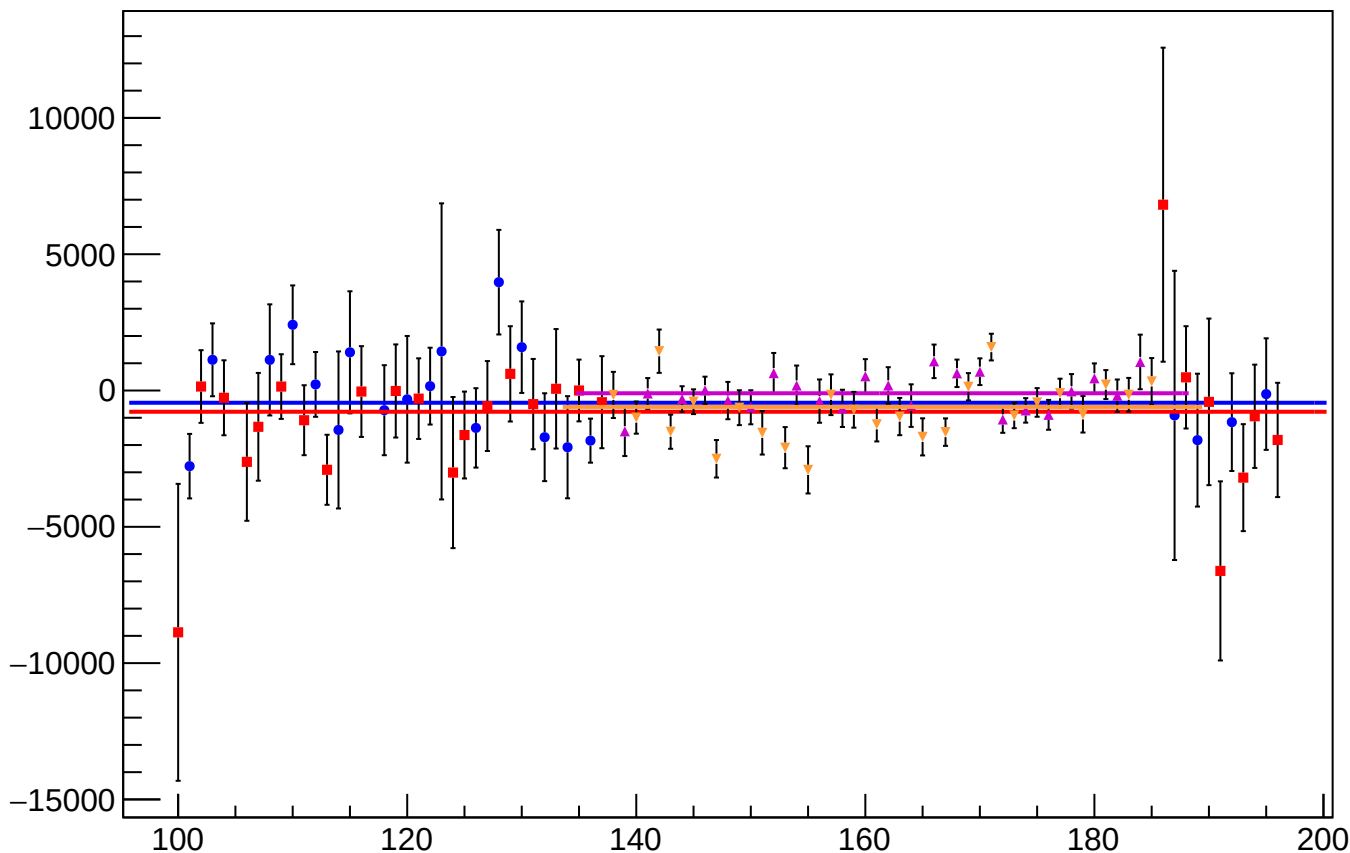
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 64.332 $\pm$ 0.009 χ^2 /NDF: 2801140.2/45

All: 65.283 $\pm$ 0.006 χ^2 /NDF: 7189427.0/94

- sign 66.276 $\pm$ 0.009 χ^2 /NDF: 4365350.6/48

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -448.664 $\pm$ 349.930 χ^2 /NDF: 23.3/20

Left Out: -601.486 $\pm$ 122.119 χ^2 /NDF: 65.4/24

Right Out: -778.907 $\pm$ 335.545 χ^2 /NDF: 17.0/25

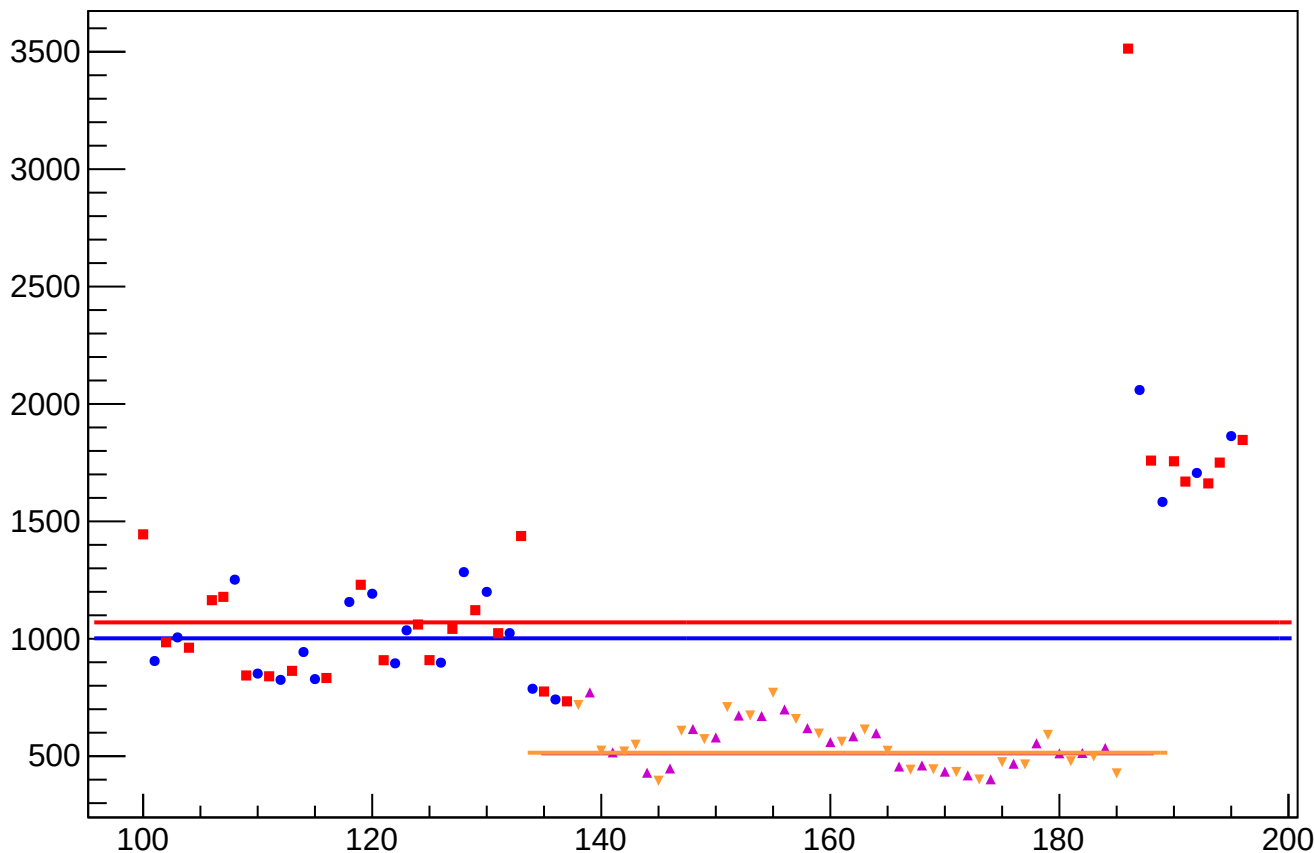
Left In: -100.548 $\pm$ 124.725 χ^2 /NDF: 25.5/22

+ sign -584.895 $\pm$ 115.299 χ^2 /NDF: 88.8/45

All: -386.683 $\pm$ 82.092 χ^2 /NDF: 140.8/94

- sign -182.897 $\pm$ 116.909 χ^2 /NDF: 46.0/48

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1001.927 $\pm$ 0.247 χ^2 /NDF: 1336767.2/20

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 1069.815 $\pm$ 0.237 χ^2 /NDF: 2116889.2/25

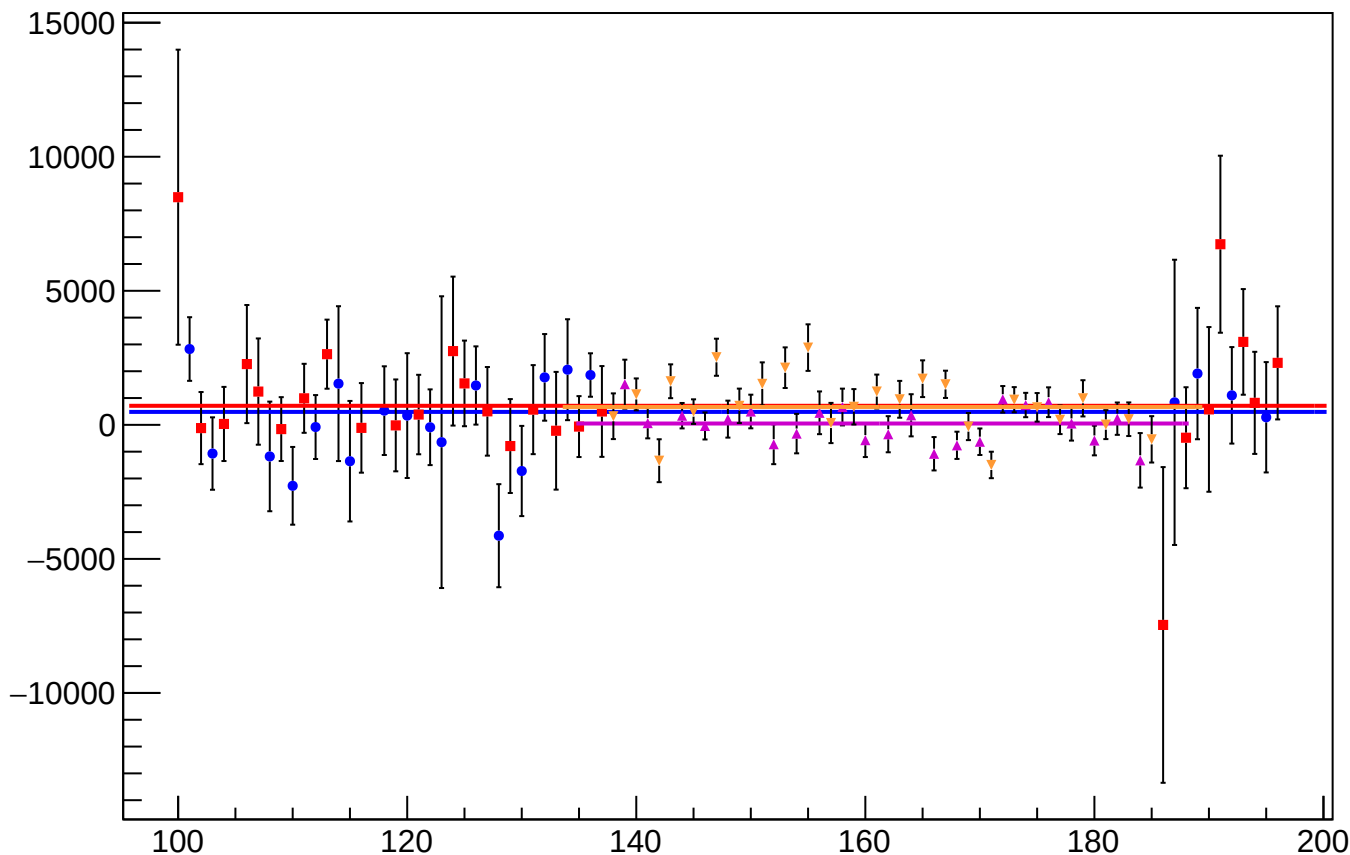
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 567.647 $\pm$ 0.082 χ^2 /NDF: 5987250.8/45

All: 573.684 $\pm$ 0.058 χ^2 /NDF: 14009361.1/94

- sign 579.890 $\pm$ 0.083 χ^2 /NDF: 8010991.1/48

asym_sam_12345678_avg_mean vs Slug



Right In: 482.920 ± 351.169 χ^2/NDF : 23.4/20

Left Out: 667.625 ± 123.146 χ^2/NDF : 61.5/24

Right Out: 710.877 ± 336.943 χ^2/NDF : 16.4/25

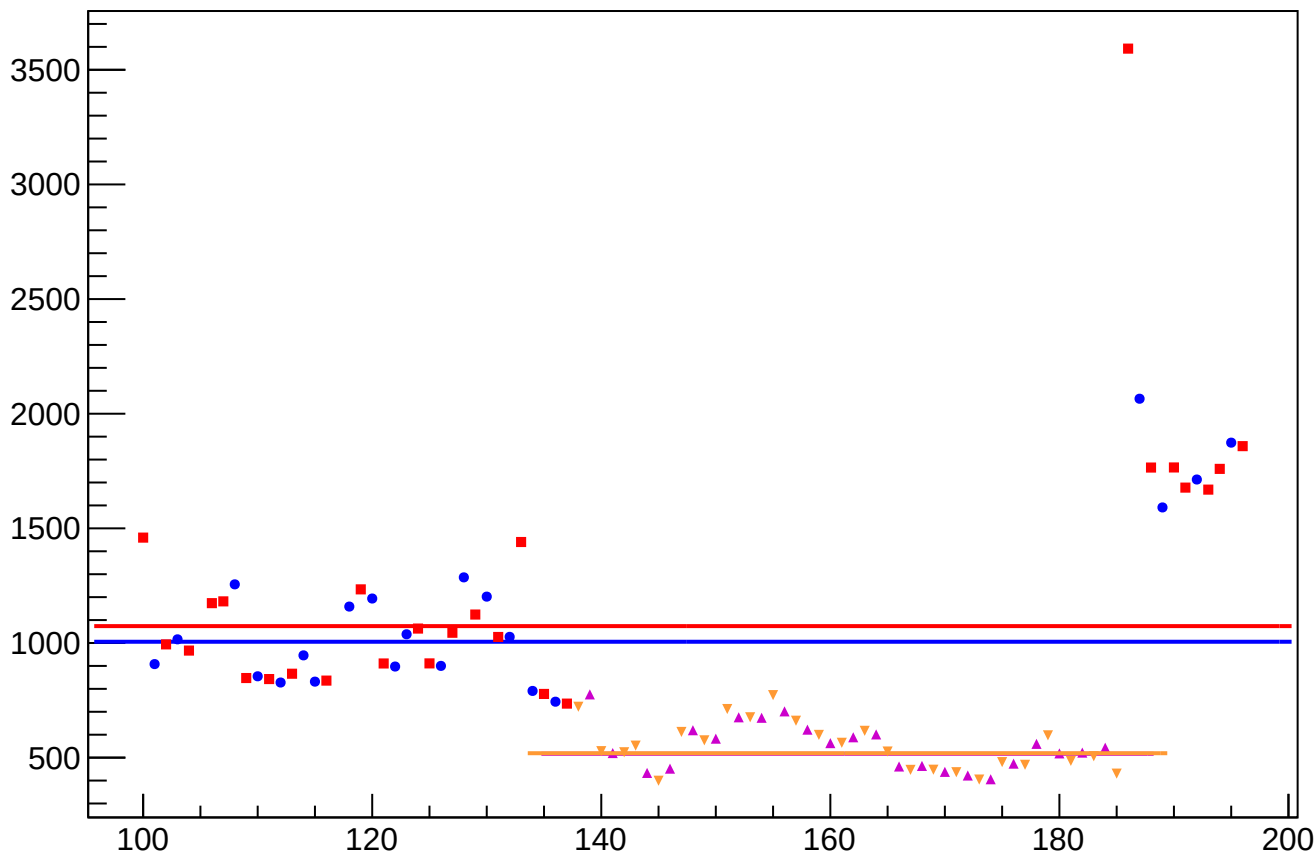
Left In: 50.079 ± 125.805 χ^2/NDF : 26.1/22

+ sign 647.398 ± 116.208 χ^2/NDF : 85.1/45

All: 392.804 ± 82.748 χ^2/NDF : 140.7/94

- sign 130.927 ± 117.858 χ^2/NDF : 45.9/48

asym_sam_12345678_avg_rms vs Slug



Right In: 1005.420 $\pm$ 0.248 χ^2 /NDF: 1338749.7/20

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF:1172411.1/24

Right Out: 1073.637 $\pm$ 0.238 χ^2 /NDF: 2128256.3/25

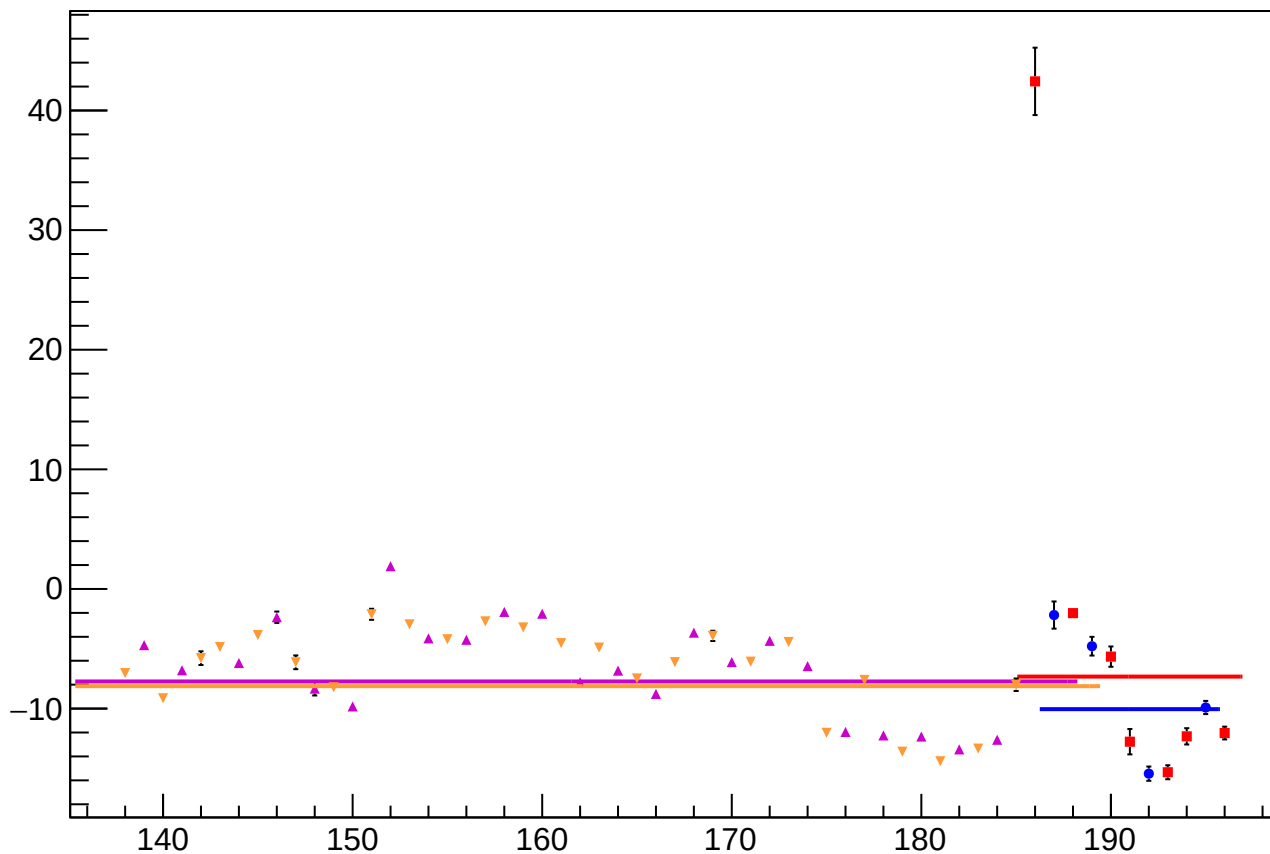
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF:1021374.1/22

+ sign 572.492 $\pm$ 0.082 χ^2 /NDF: 5924659.8/45

All: 578.619 $\pm$ 0.059 χ^2 /NDF: 13879676.9/94

- sign 584.922 $\pm$ 0.083 χ^2 /NDF: 7943737.5/48

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -10.048 ± 0.343 $\chi^2/\text{NDF}: 175.1/3$

Left Out: -8.127 ± 0.067 $\chi^2/\text{NDF}: 3635.5/24$

Right Out: -7.326 ± 0.224 $\chi^2/\text{NDF}: 910.6/6$

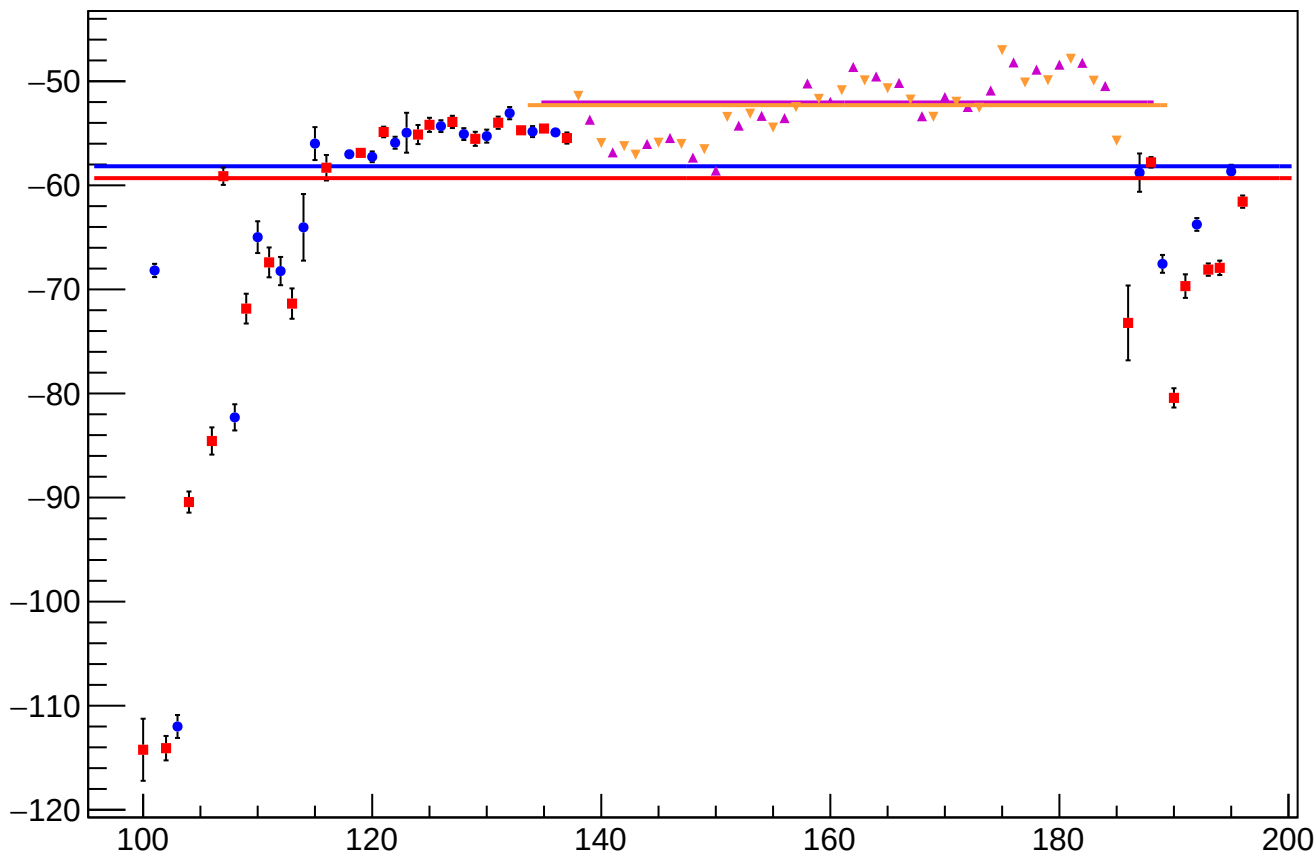
Left In: -7.732 ± 0.069 $\chi^2/\text{NDF}: 3719.0/22$

+ sign -8.199 ± 0.066 $\chi^2/\text{NDF}: 3840.8/28$

All: -7.947 ± 0.047 $\chi^2/\text{NDF}: 8502.4/58$

- sign -7.697 ± 0.066 $\chi^2/\text{NDF}: 4632.7/29$

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.169 ± 0.134 $\chi^2/\text{NDF}: 3678.6/20$

Left Out: -52.297 ± 0.055 $\chi^2/\text{NDF}: 2657.5/24$

Right Out: -59.309 ± 0.126 $\chi^2/\text{NDF}: 5838.3/25$

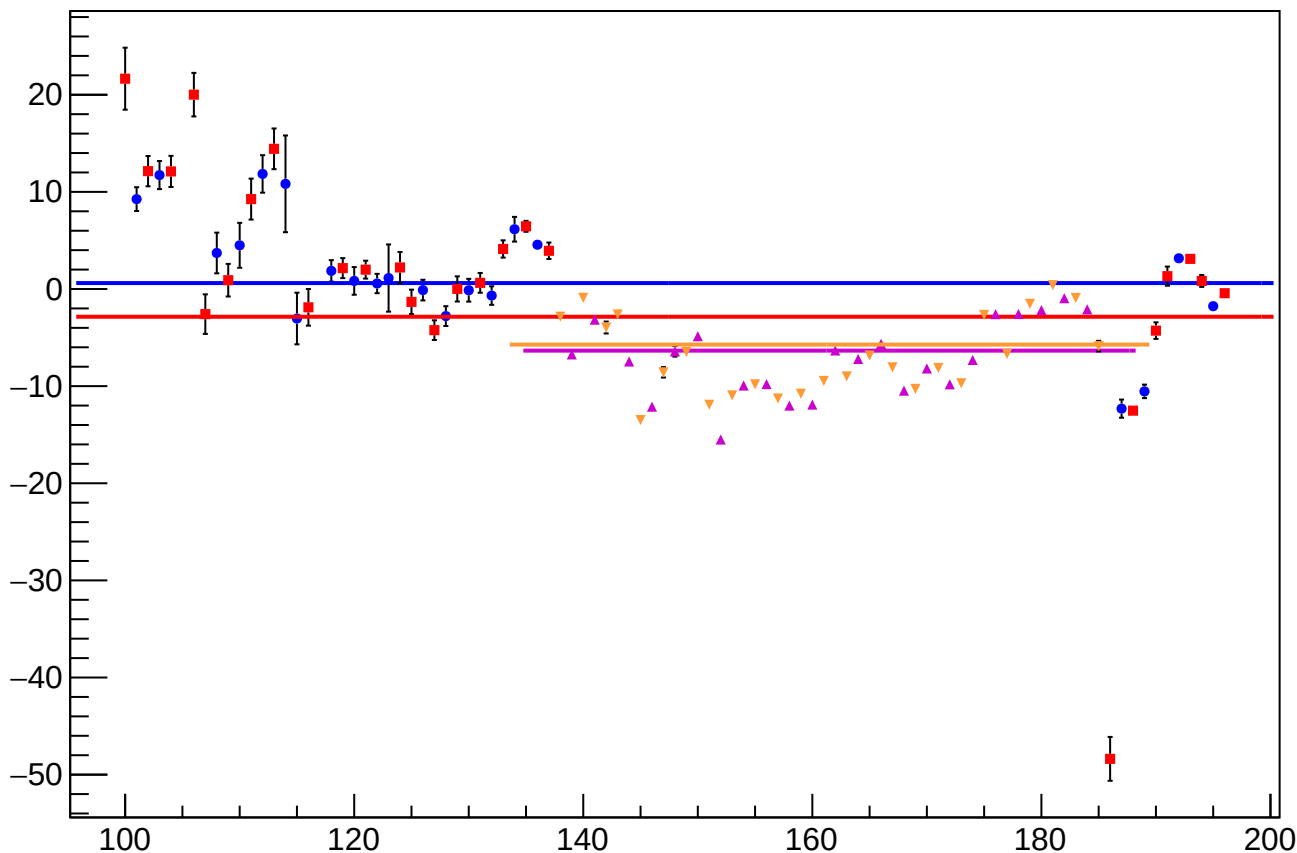
Left In: -52.038 ± 0.057 $\chi^2/\text{NDF}: 3180.4/22$

+ sign -53.143 ± 0.051 $\chi^2/\text{NDF}: 7975.3/45$

All: -53.206 ± 0.036 $\chi^2/\text{NDF}: 19742.4/94$

- sign -53.271 ± 0.052 $\chi^2/\text{NDF}: 11764.0/48$

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 0.612 ± 0.196 χ^2/NDF : 781.4/20

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -2.855 ± 0.155 χ^2/NDF : 2818.1/25

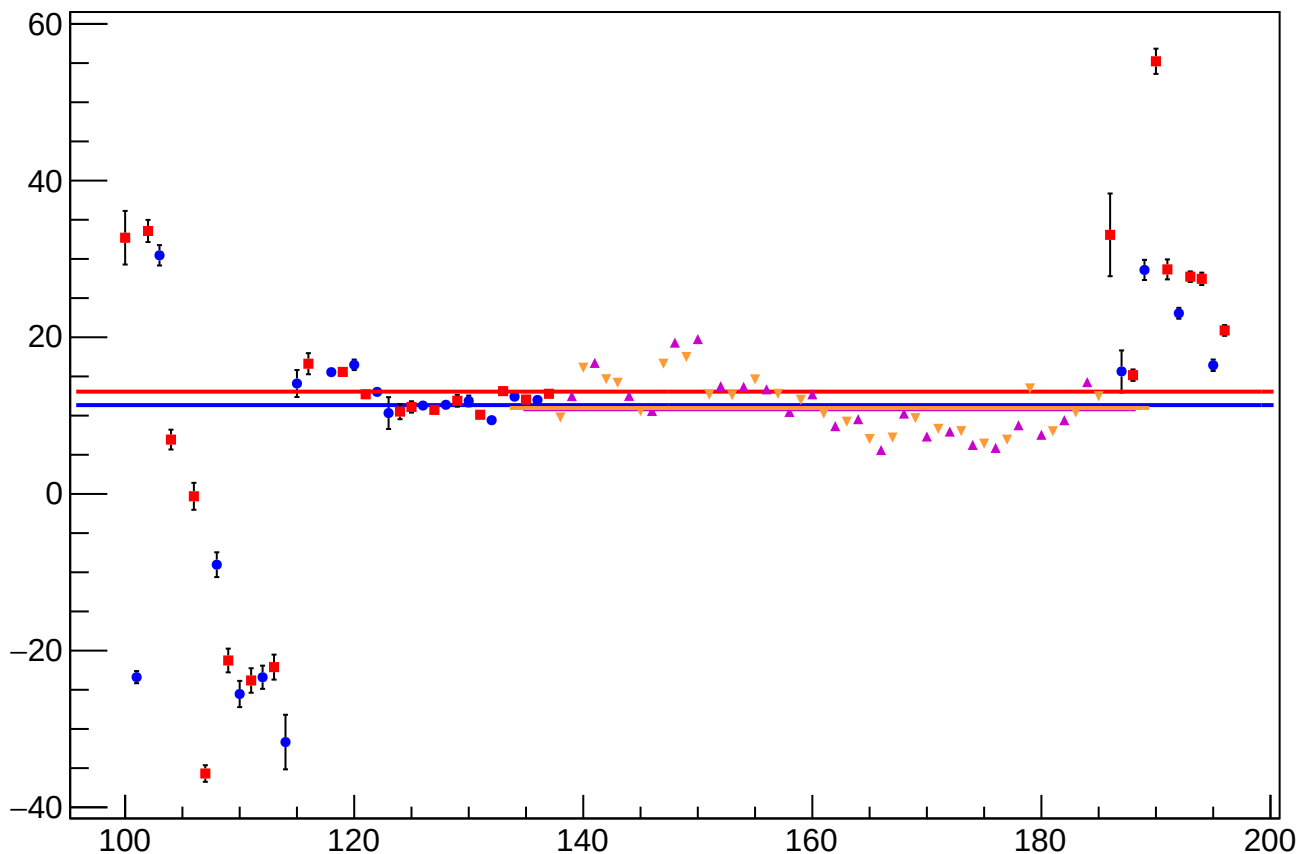
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -5.049 ± 0.064 χ^2/NDF : 5698.2/45

All: -5.418 ± 0.045 χ^2/NDF : 12387.8/94

- sign -5.774 ± 0.063 χ^2/NDF : 6623.9/48

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 11.340 $\pm$ 0.150 χ^2 /NDF: 4247.8/20

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 13.060 $\pm$ 0.145 χ^2 /NDF: 5893.4/25

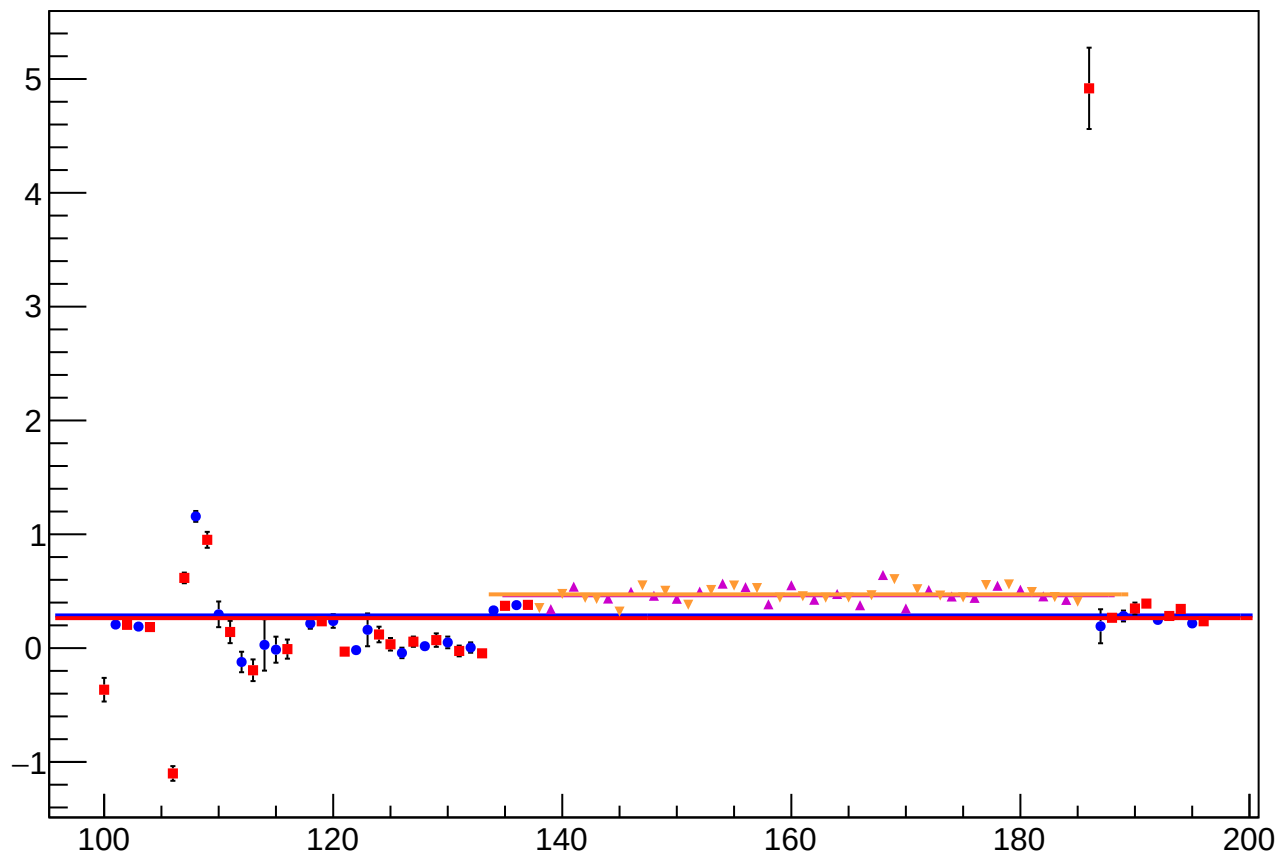
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 11.021 $\pm$ 0.057 χ^2 /NDF: 6890.8/45

All: 11.095 $\pm$ 0.041 χ^2 /NDF: 16537.1/94

- sign 11.173 $\pm$ 0.058 χ^2 /NDF: 9642.9/48

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.287 ± 0.007 χ^2/NDF : 665.1/20

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.263 ± 0.007 χ^2/NDF : 1191.0/25

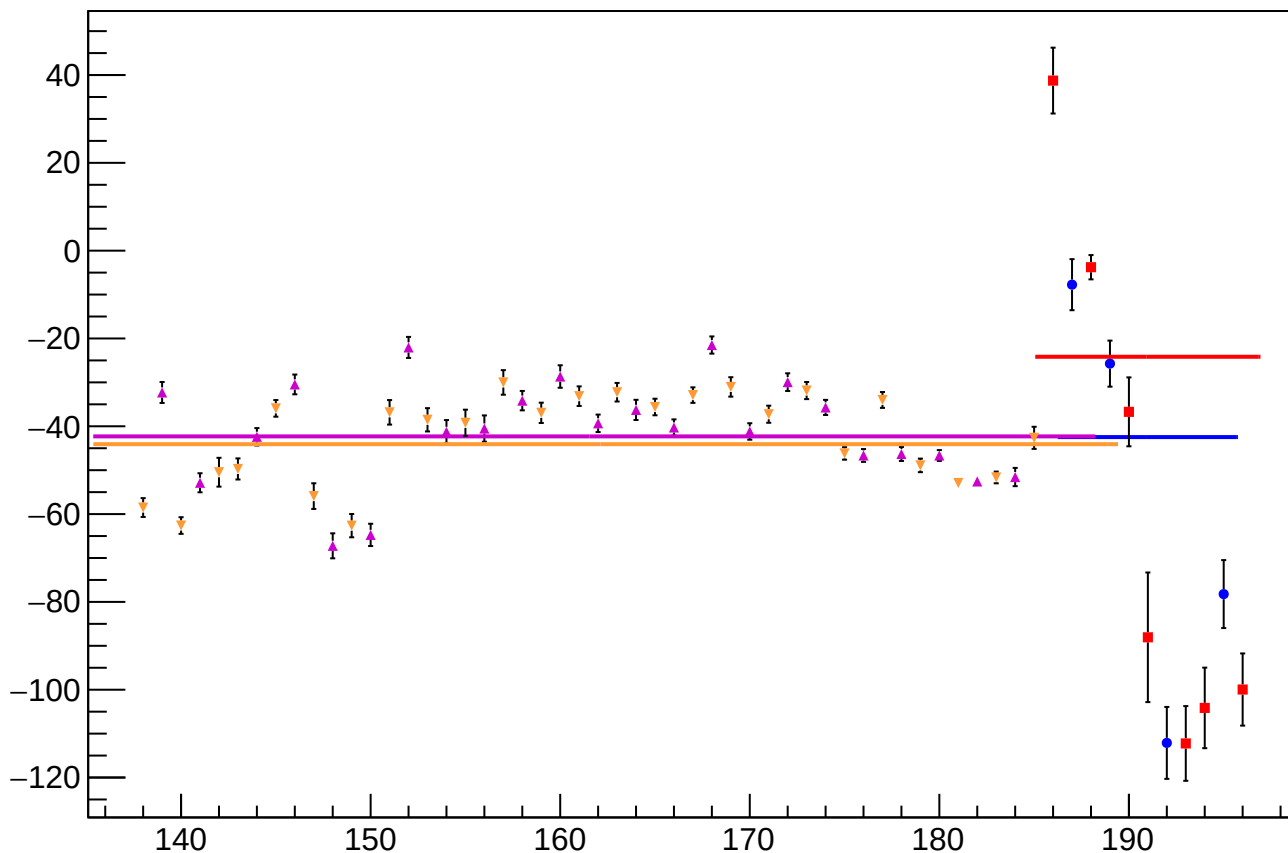
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.448 ± 0.003 χ^2/NDF : 1766.2/45

All: 0.441 ± 0.002 χ^2/NDF : 4471.6/94

- sign 0.435 ± 0.003 χ^2/NDF : 2691.4/48

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -42.462 ± 3.202 $\chi^2/\text{NDF}: 139.5/3$

Left Out: -44.077 ± 0.389 $\chi^2/\text{NDF}: 632.6/24$

Right Out: -24.167 ± 2.183 $\chi^2/\text{NDF}: 414.2/6$

Left In: -42.304 ± 0.399 $\chi^2/\text{NDF}: 640.6/22$

+ sign -44.054 ± 0.386 $\chi^2/\text{NDF}: 772.3/28$

All: -42.906 ± 0.275 $\chi^2/\text{NDF}: 1911.9/58$

- sign -41.717 ± 0.393 $\chi^2/\text{NDF}: 1121.6/29$

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -43.783 ± 1.102 $\chi^2/\text{NDF}: 1516.2/20$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -50.399 ± 1.112 $\chi^2/\text{NDF}: 2159.0/25$

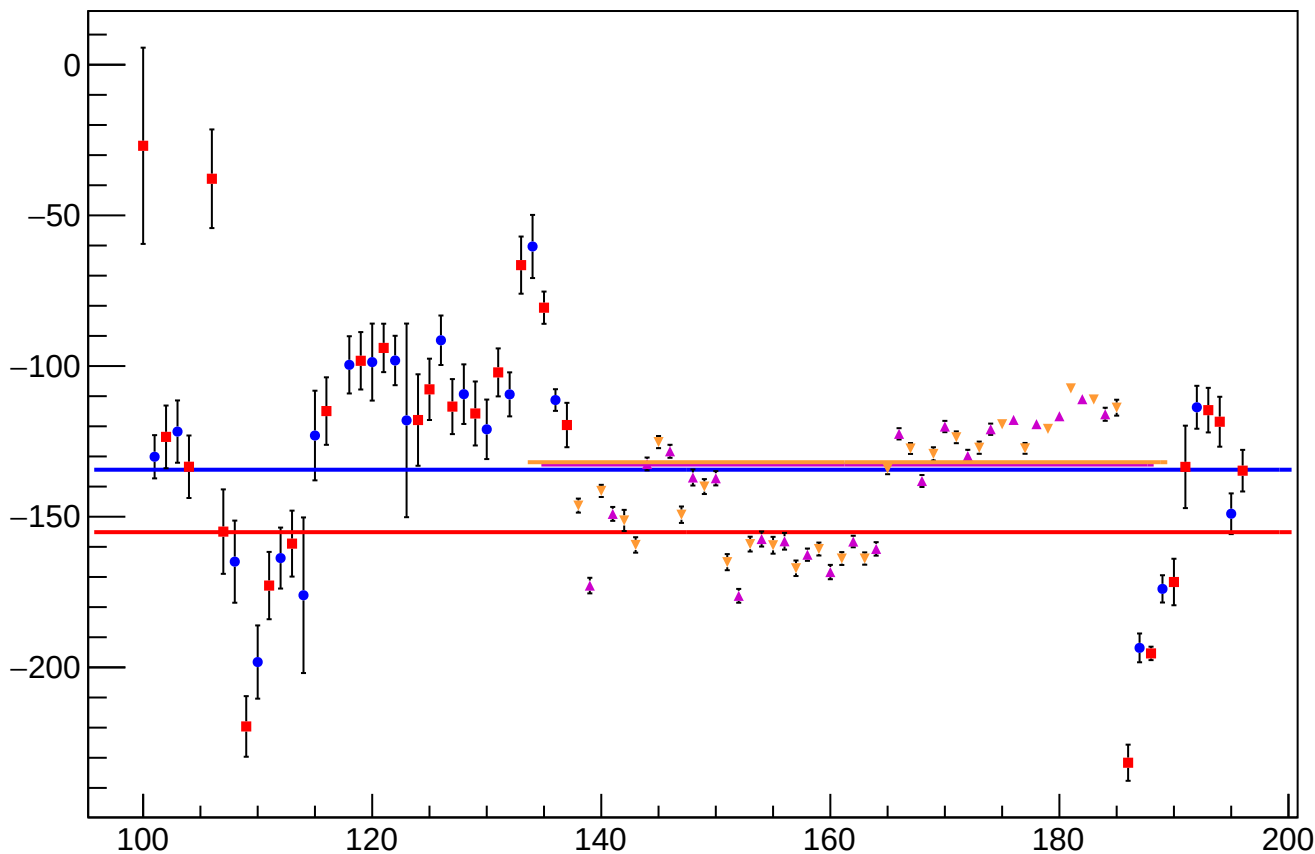
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -28.187 ± 0.304 $\chi^2/\text{NDF}: 2364.1/45$

All: -28.410 ± 0.218 $\chi^2/\text{NDF}: 6334.5/94$

- sign -28.647 ± 0.313 $\chi^2/\text{NDF}: 3969.3/48$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -134.405 $\pm$ 1.656 χ^2 /NDF: 468.4/20

Left Out: -131.912 $\pm$ 0.391 χ^2 /NDF:2439.3/24

Right Out: -155.127 $\pm$ 1.401 χ^2 /NDF: 1195.9/25

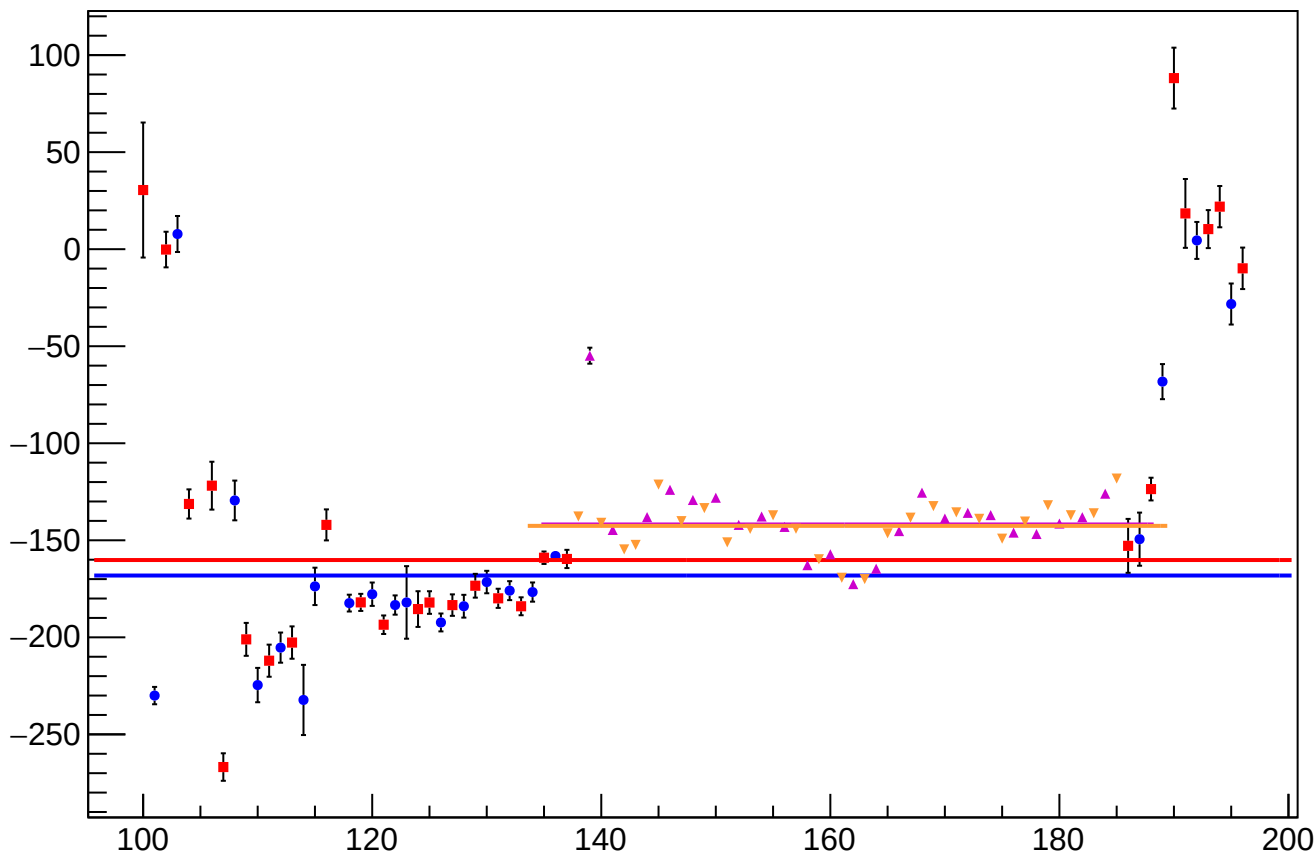
Left In: -132.690 $\pm$ 0.399 χ^2 /NDF:2480.2/22

+ sign -132.044 $\pm$ 0.381 χ^2 /NDF: 2909.8/45

All: -133.200 $\pm$ 0.270 χ^2 /NDF: 6841.6/94

- sign -134.375 $\pm$ 0.384 χ^2 /NDF: 3913.2/48

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -168.155 ± 1.241 $\chi^2/\text{NDF}: 1351.7/20$

Left Out: -142.564 ± 0.354 $\chi^2/\text{NDF}: 1147.7/24$

Right Out: -160.172 ± 1.279 $\chi^2/\text{NDF}: 2024.1/25$

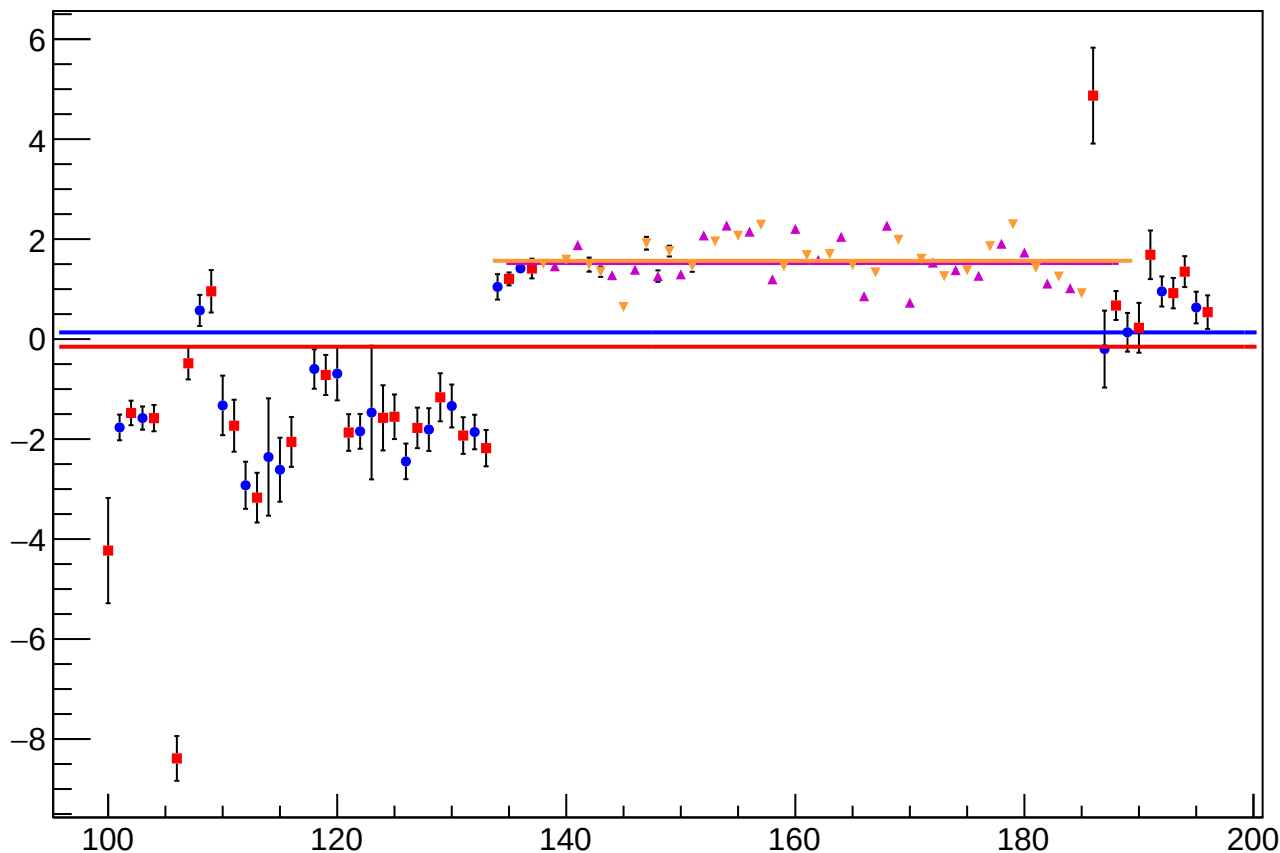
Left In: -141.856 ± 0.364 $\chi^2/\text{NDF}: 1544.3/22$

+ sign -144.489 ± 0.340 $\chi^2/\text{NDF}: 2892.5/45$

All: -143.875 ± 0.244 $\chi^2/\text{NDF}: 6657.3/94$

- sign -143.227 ± 0.350 $\chi^2/\text{NDF}: 3758.1/48$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.134 $\pm$ 0.063 χ^2 /NDF: 536.0/20

Left Out: 1.566 $\pm$ 0.016 χ^2 /NDF: 542.8/24

Right Out: -0.153 $\pm$ 0.064 χ^2 /NDF: 858.6/25

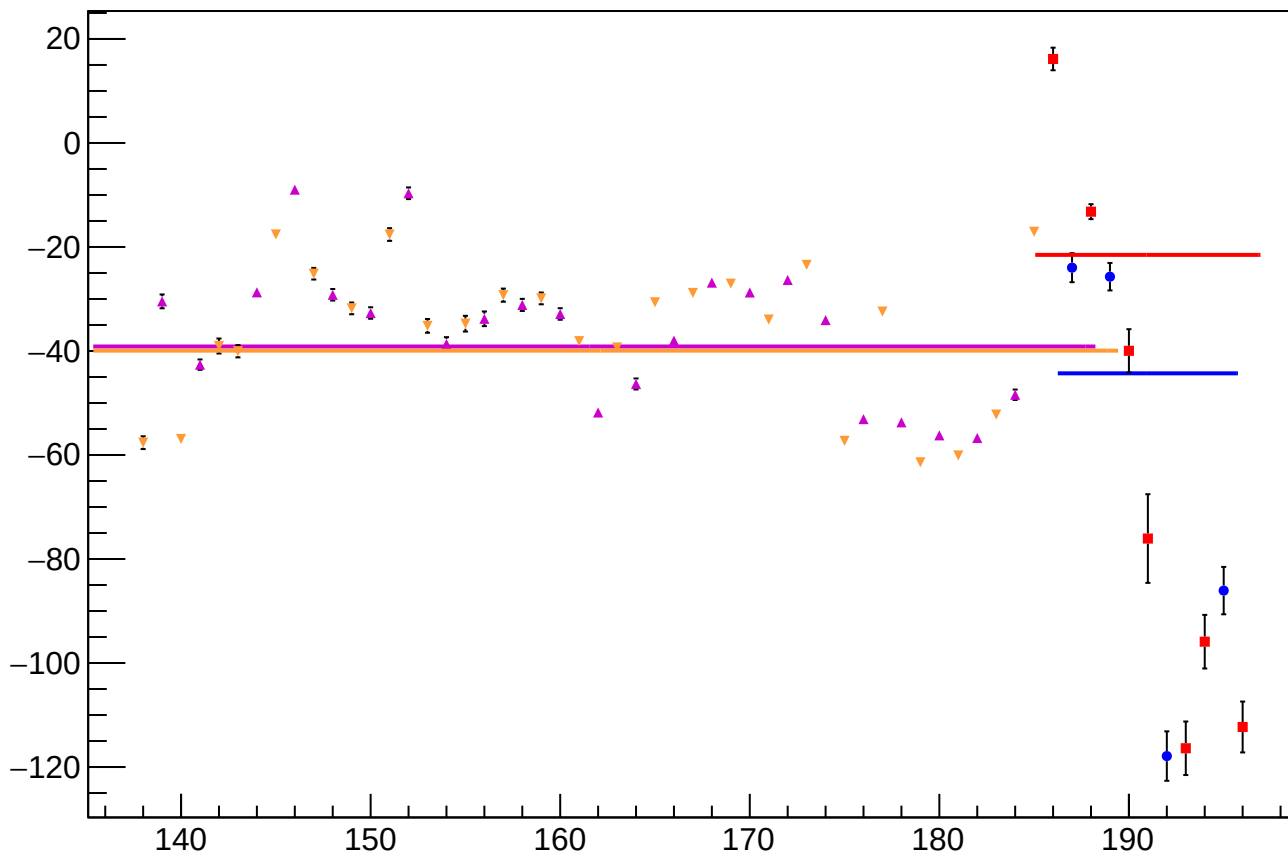
Left In: 1.523 $\pm$ 0.017 χ^2 /NDF: 738.5/22

+ sign 1.478 $\pm$ 0.016 χ^2 /NDF: 1562.0/45

All: 1.448 $\pm$ 0.011 χ^2 /NDF: 3817.9/94

- sign 1.417 $\pm$ 0.016 χ^2 /NDF: 2248.5/48

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -44.297 ± 1.658 $\chi^2/\text{NDF}: 426.2/3$

Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$

Right Out: -21.518 ± 1.064 $\chi^2/\text{NDF}: 1287.1/6$

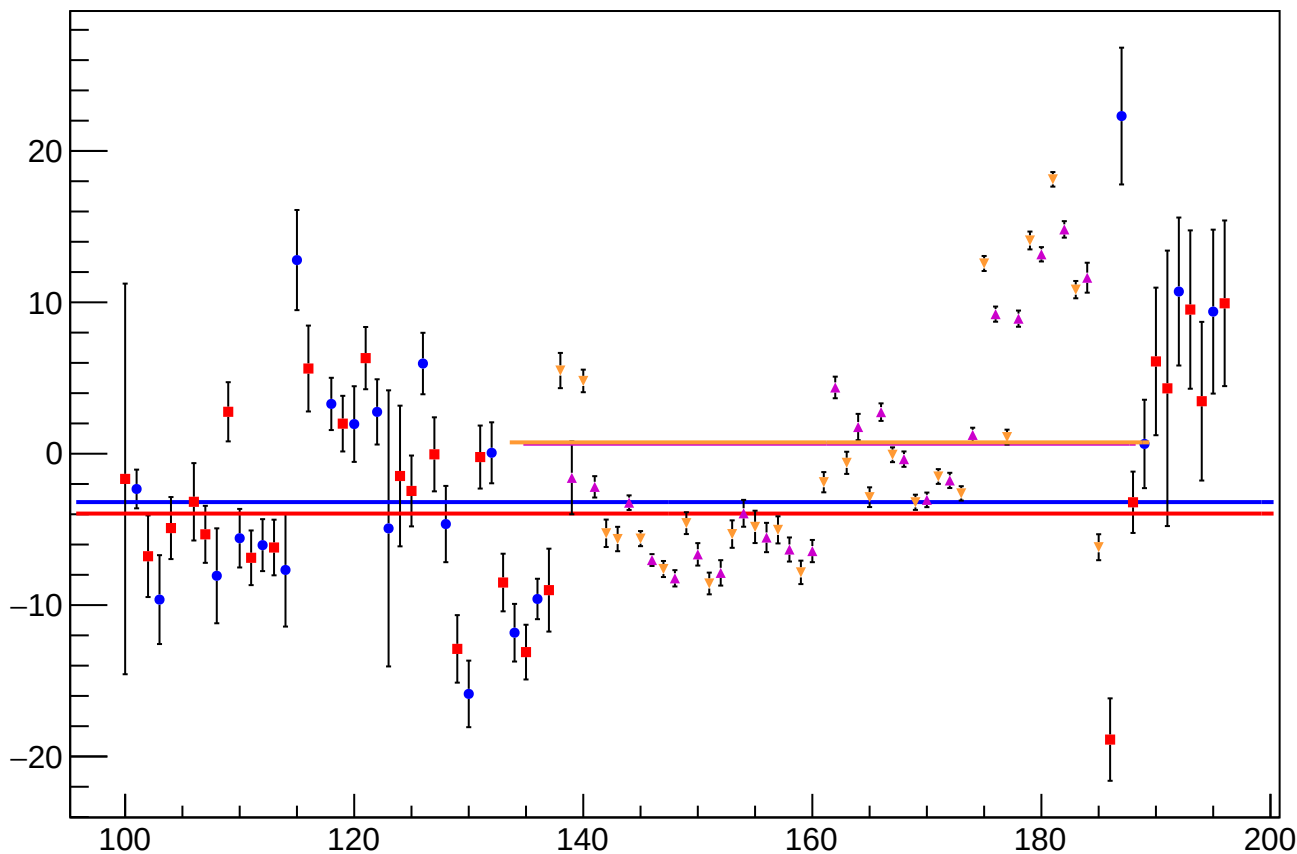
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -39.972 ± 0.153 $\chi^2/\text{NDF}: 10239.6/28$

All: -39.374 ± 0.108 $\chi^2/\text{NDF}: 20360.4/58$

- sign -38.773 ± 0.153 $\chi^2/\text{NDF}: 10090.0/29$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.196 ± 0.485 $\chi^2/\text{NDF}: 209.9/20$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.954 ± 0.476 $\chi^2/\text{NDF}: 172.4/25$

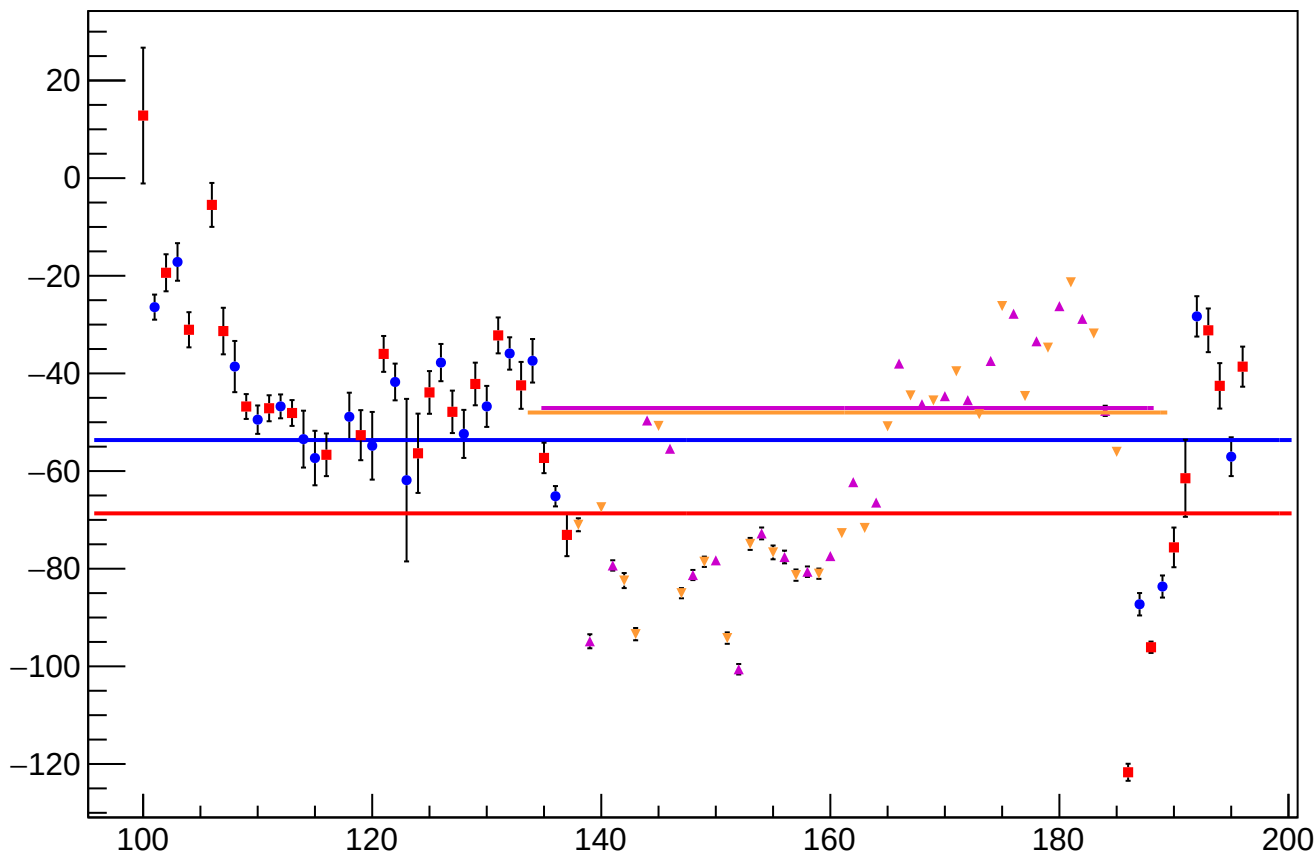
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.506 ± 0.120 $\chi^2/\text{NDF}: 4242.9/45$

All: 0.436 ± 0.085 $\chi^2/\text{NDF}: 7841.9/94$

- sign 0.365 ± 0.120 $\chi^2/\text{NDF}: 3598.3/48$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -53.648 ± 0.749 $\chi^2/\text{NDF}: 752.8/20$

Left Out: -48.008 ± 0.155 $\chi^2/\text{NDF}: 16950.0/24$

Right Out: -68.666 ± 0.620 $\chi^2/\text{NDF}: 2745.2/25$

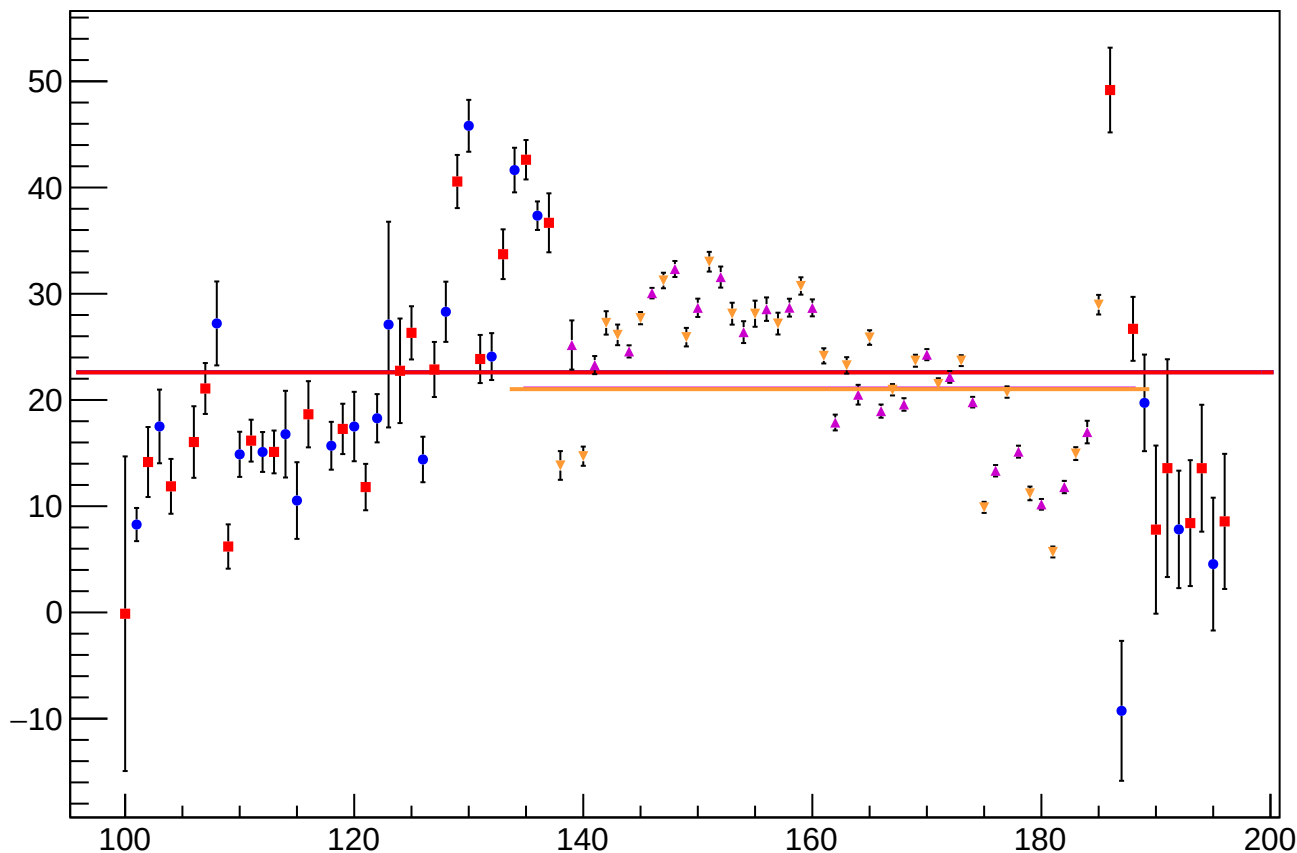
Left In: -47.085 ± 0.155 $\chi^2/\text{NDF}: 15515.2/22$

+ sign -48.238 ± 0.151 $\chi^2/\text{NDF}: 17757.2/45$

All: -48.298 ± 0.107 $\chi^2/\text{NDF}: 37156.4/94$

- sign -48.358 ± 0.151 $\chi^2/\text{NDF}: 19398.9/48$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.614 $\pm$ 0.549 χ^2 /NDF: 497.3/20

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF:2799.3/24

Right Out: 22.599 $\pm$ 0.549 χ^2 /NDF: 429.9/25

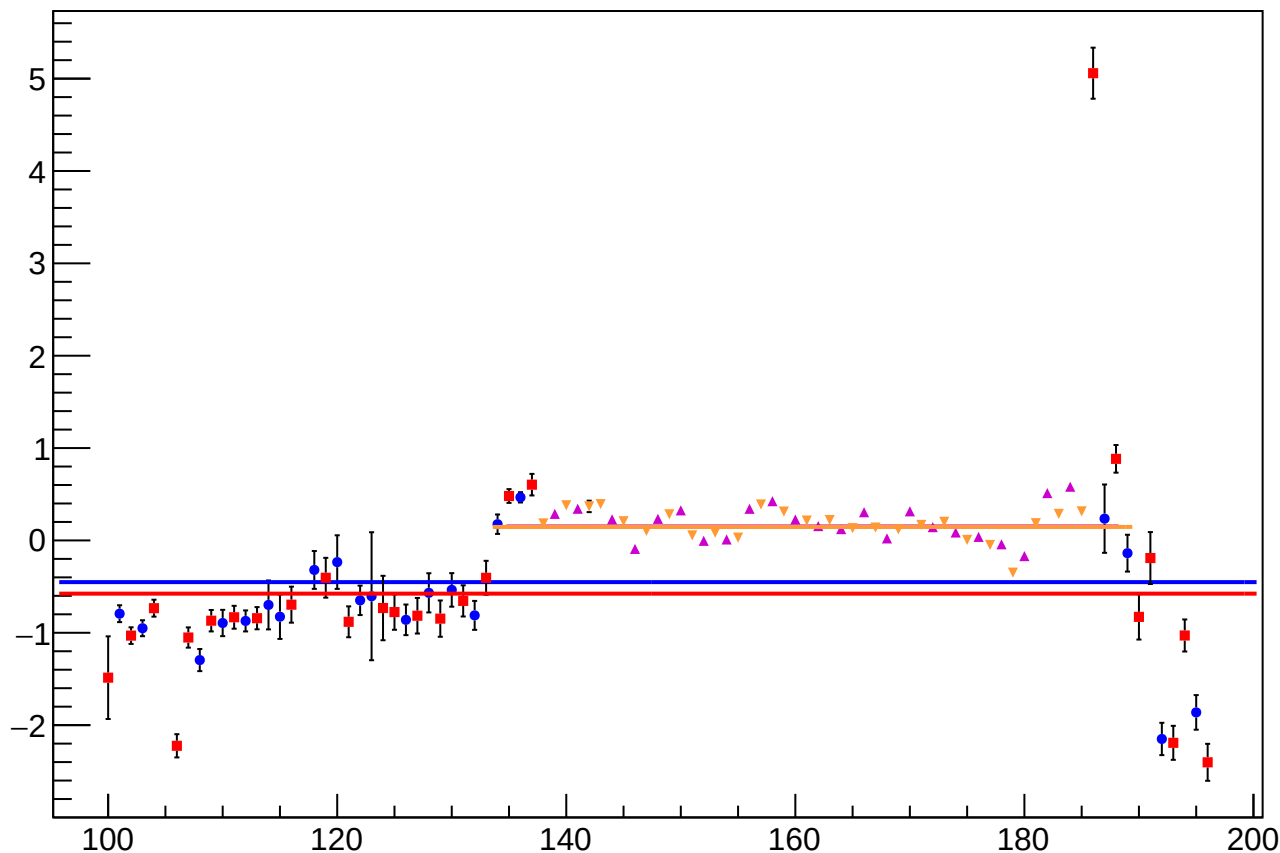
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

+ sign 21.116 $\pm$ 0.135 χ^2 /NDF: 3304.5/45

All: 21.143 $\pm$ 0.095 χ^2 /NDF: 5915.0/94

- sign 21.171 $\pm$ 0.135 χ^2 /NDF: 2610.4/48

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.452 ± 0.029 $\chi^2/\text{NDF}: 600.7/20$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.576 ± 0.028 $\chi^2/\text{NDF}: 1233.1/25$

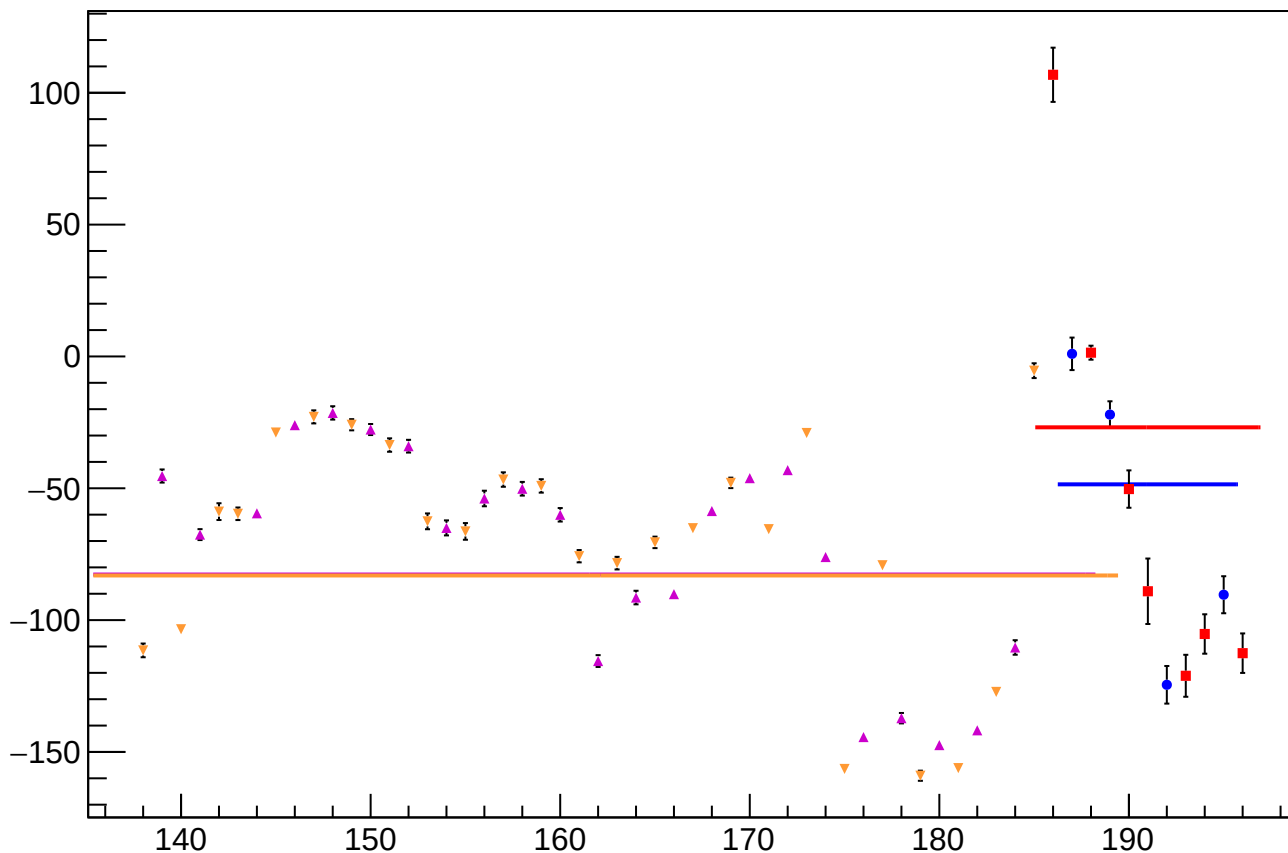
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.119 ± 0.006 $\chi^2/\text{NDF}: 1617.9/45$

All: 0.117 ± 0.004 $\chi^2/\text{NDF}: 4358.2/94$

- sign 0.115 ± 0.006 $\chi^2/\text{NDF}: 2740.2/48$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -48.507 ± 3.078 χ^2/NDF : 241.1/3

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -26.884 ± 2.088 χ^2/NDF : 700.0/6

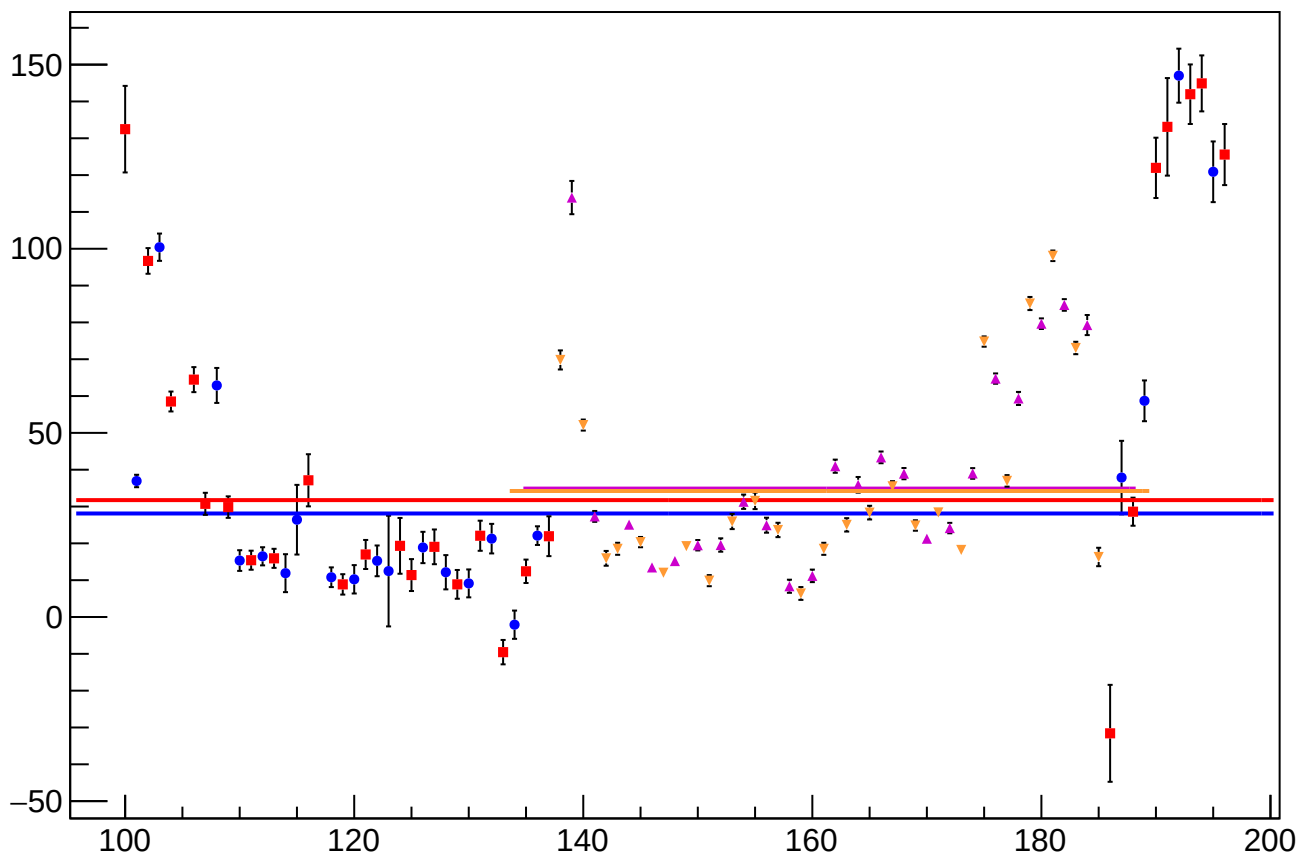
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -82.476 ± 0.403 χ^2/NDF : 14182.4/28

All: -81.542 ± 0.286 χ^2/NDF : 26422.6/58

- sign -80.587 ± 0.407 χ^2/NDF : 12229.3/29

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 28.110 ± 0.788 $\chi^2/\text{NDF}: 1121.8/20$

Left Out: 34.219 ± 0.320 $\chi^2/\text{NDF}: 6192.6/24$

Right Out: 31.741 ± 0.775 $\chi^2/\text{NDF}: 1779.3/25$

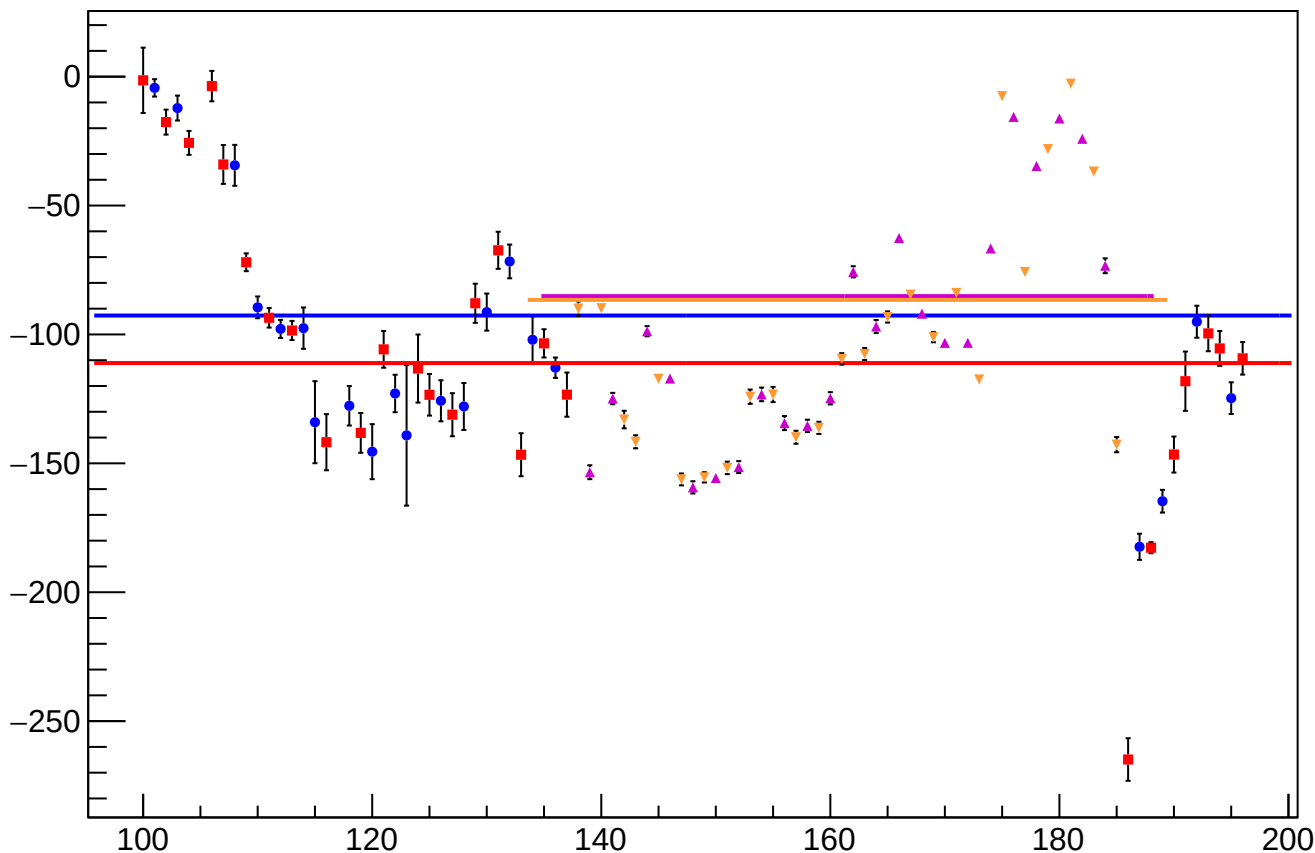
Left In: 34.870 ± 0.329 $\chi^2/\text{NDF}: 4716.1/22$

+ sign 33.354 ± 0.297 $\chi^2/\text{NDF}: 7365.9/45$

All: 33.862 ± 0.212 $\chi^2/\text{NDF}: 13881.2/94$

- sign 34.392 ± 0.303 $\chi^2/\text{NDF}: 6509.2/48$

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -92.664 ± 1.250 $\chi^2/\text{NDF}: 1772.7/20$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -111.099 ± 1.070 $\chi^2/\text{NDF}: 2972.7/25$

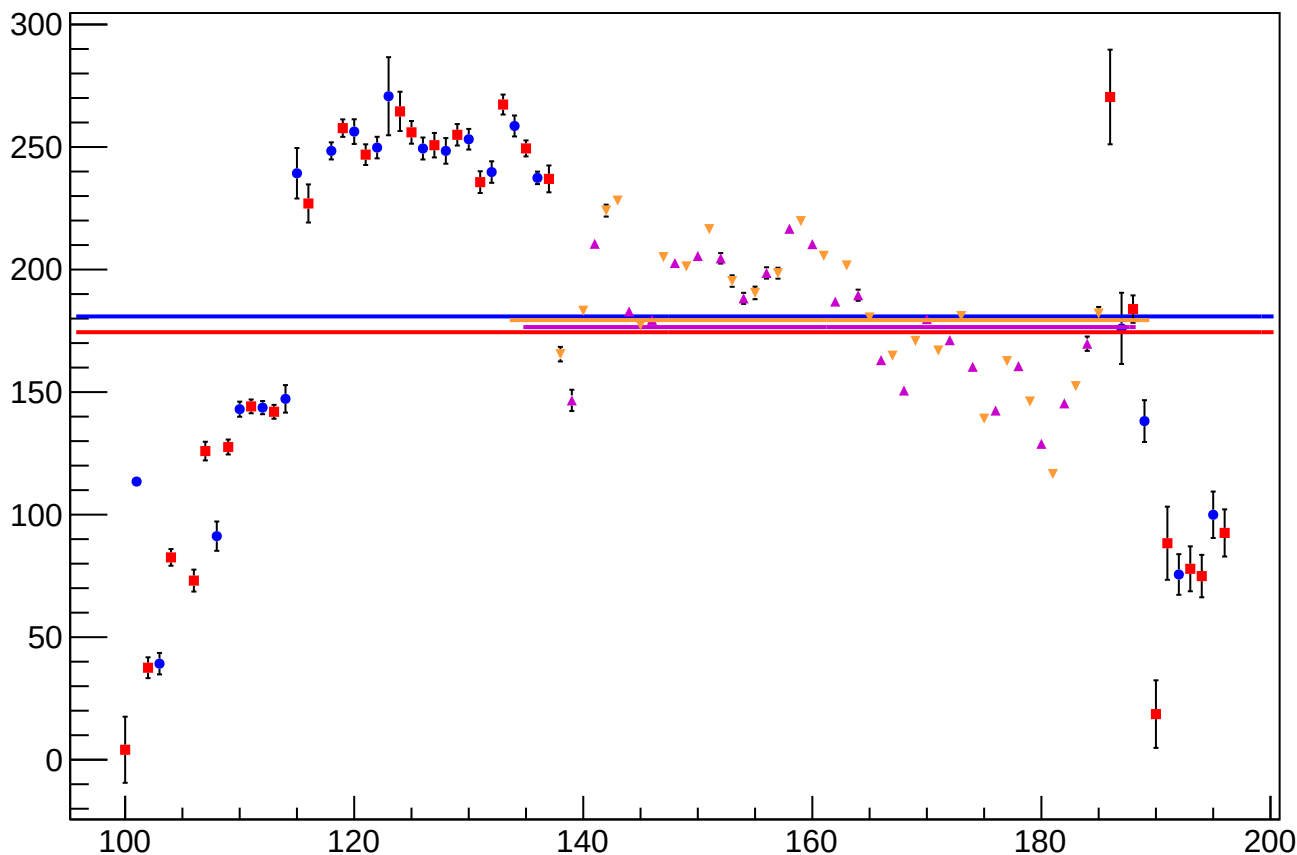
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -87.180 ± 0.388 $\chi^2/\text{NDF}: 16309.7/45$

All: -87.857 ± 0.274 $\chi^2/\text{NDF}: 32641.7/94$

- sign -88.530 ± 0.387 $\chi^2/\text{NDF}: 16325.9/48$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 180.874 $\pm$ 0.904 χ^2 /NDF: 5585.2/20

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 174.437 $\pm$ 0.895 χ^2 /NDF: 6854.4/25

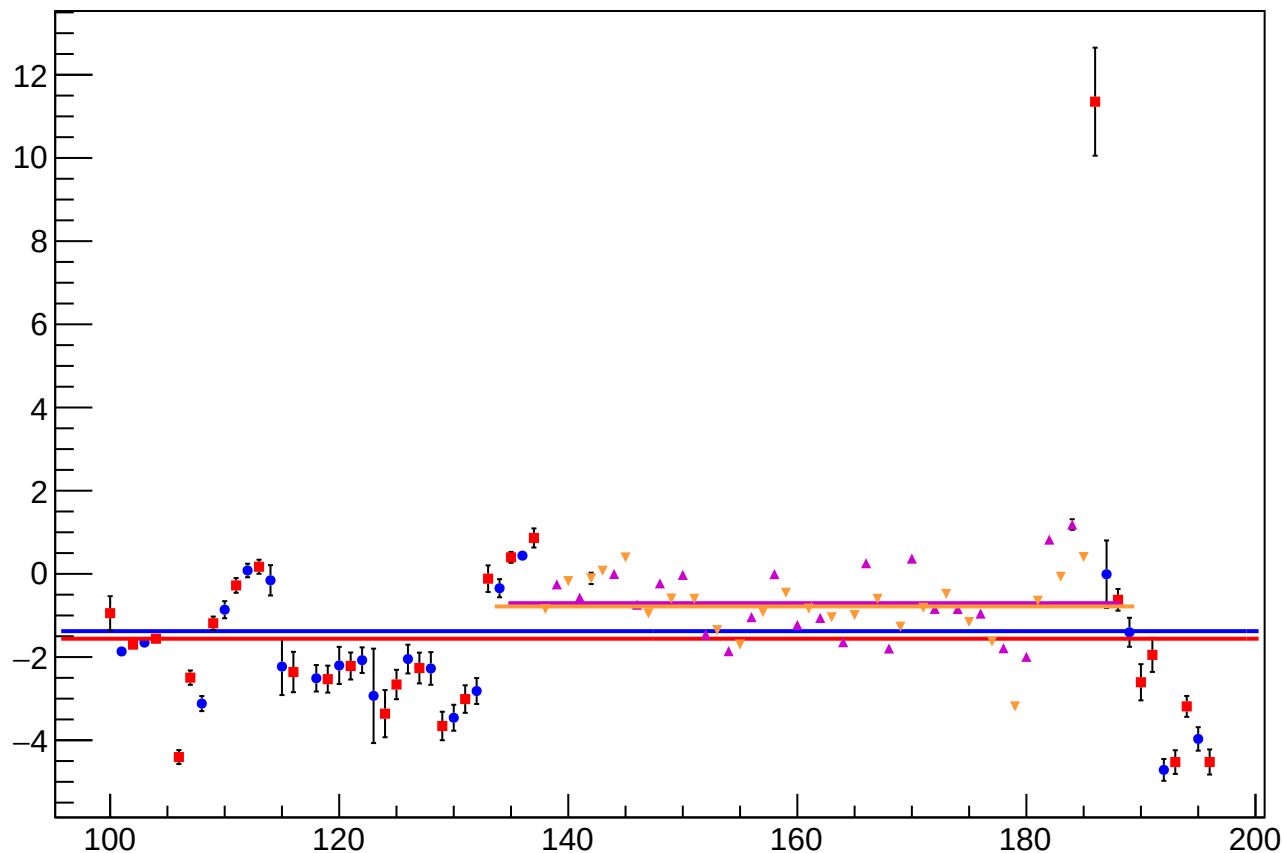
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 179.568 $\pm$ 0.336 χ^2 /NDF: 11569.9/45

All: 177.930 $\pm$ 0.240 χ^2 /NDF: 22903.5/94

- sign 176.224 $\pm$ 0.343 χ^2 /NDF: 11285.0/48

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.377 ± 0.046 χ^2/NDF : 883.4/20

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.559 ± 0.043 χ^2/NDF : 1298.6/25

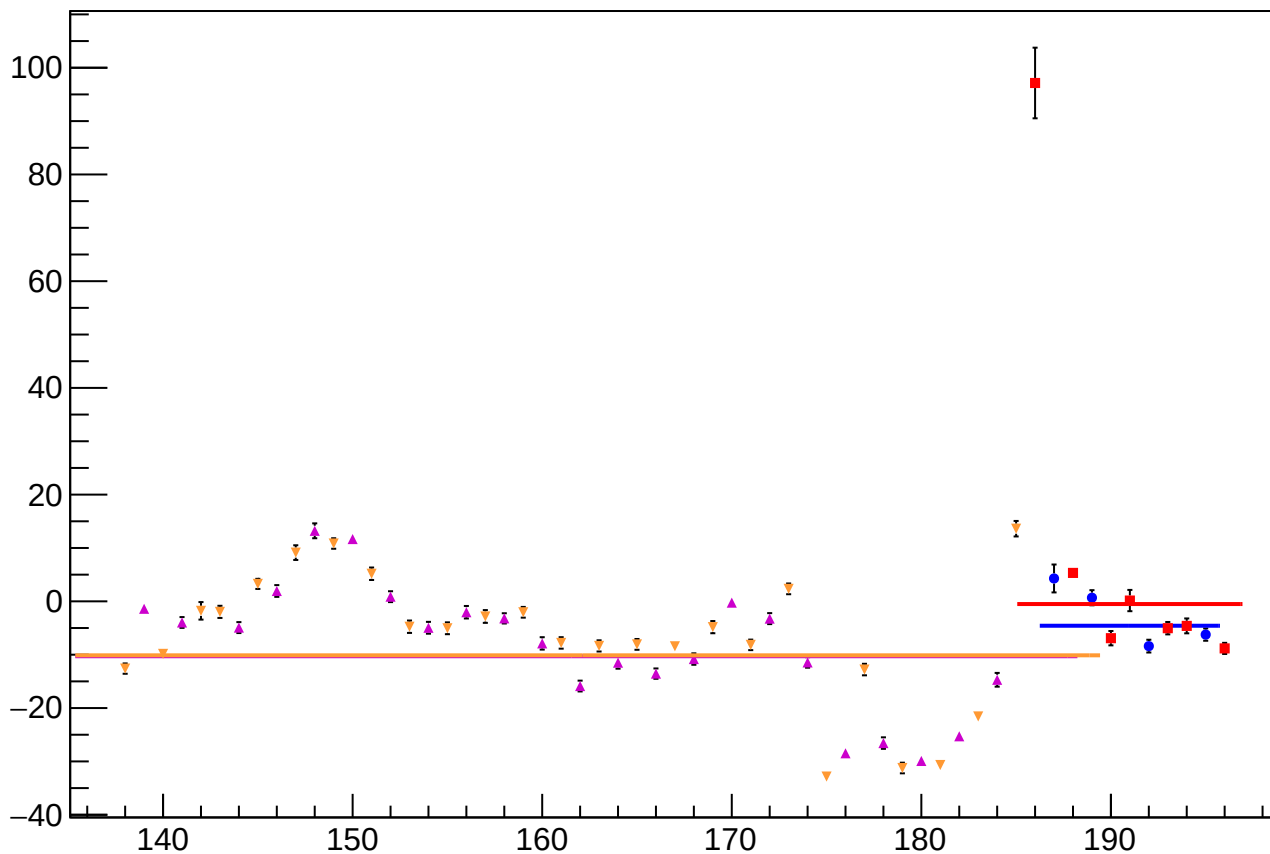
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.851 ± 0.016 χ^2/NDF : 2800.9/45

All: -0.835 ± 0.011 χ^2/NDF : 6851.0/94

- sign -0.819 ± 0.016 χ^2/NDF : 4048.0/48

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -4.574 ± 0.692 $\chi^2/\text{NDF}: 37.4/3$

Left Out: -10.117 ± 0.201 $\chi^2/\text{NDF}: 4138.1/24$

Right Out: -0.507 ± 0.429 $\chi^2/\text{NDF}: 410.9/6$

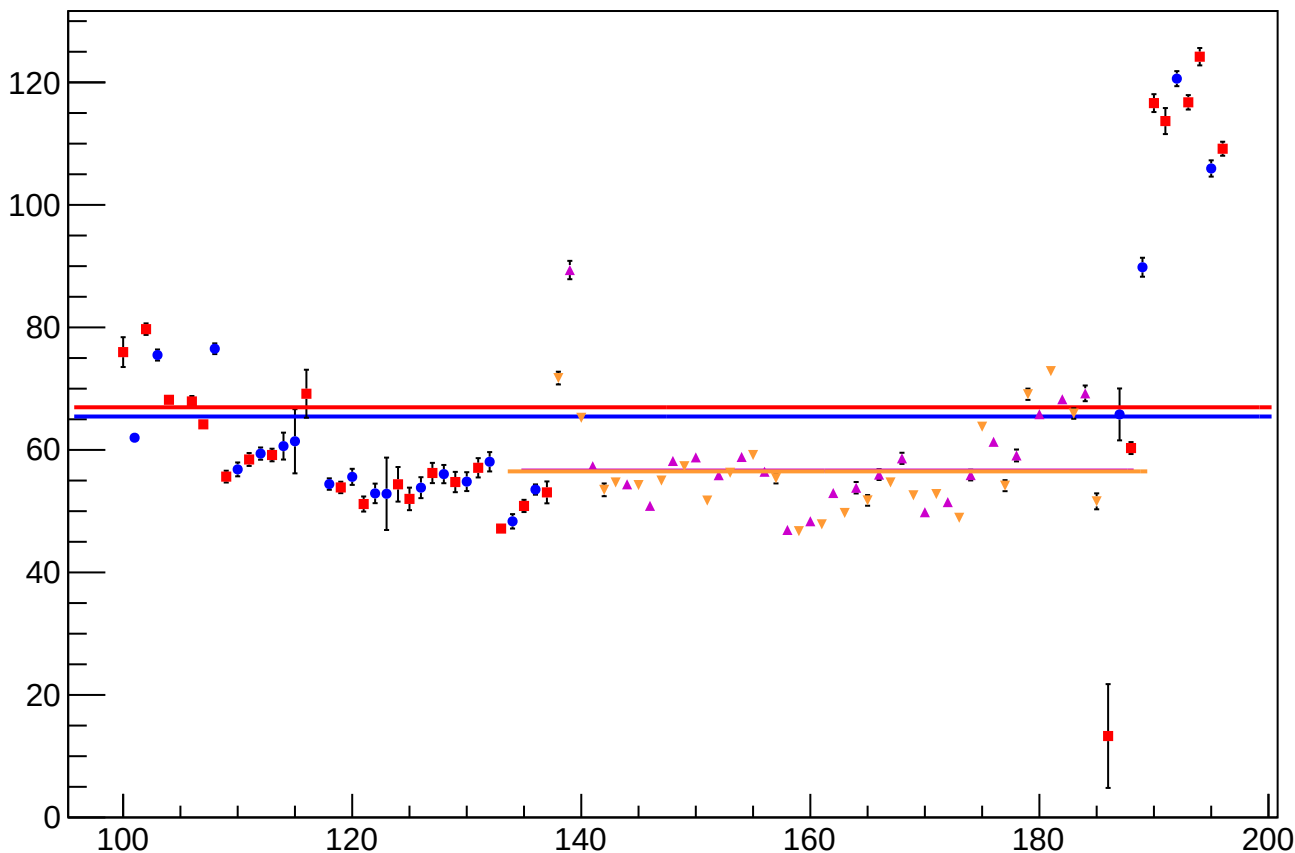
Left In: -10.290 ± 0.205 $\chi^2/\text{NDF}: 3451.0/22$

+ sign -9.684 ± 0.193 $\chi^2/\text{NDF}: 4234.8/28$

All: -9.047 ± 0.134 $\chi^2/\text{NDF}: 8541.3/58$

- sign -8.462 ± 0.185 $\chi^2/\text{NDF}: 4285.7/29$

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 65.453 $\pm$ 0.249 χ^2 /NDF: 4451.7/20

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF:1968.0/24

Right Out: 66.960 $\pm$ 0.224 χ^2 /NDF: 8747.7/25

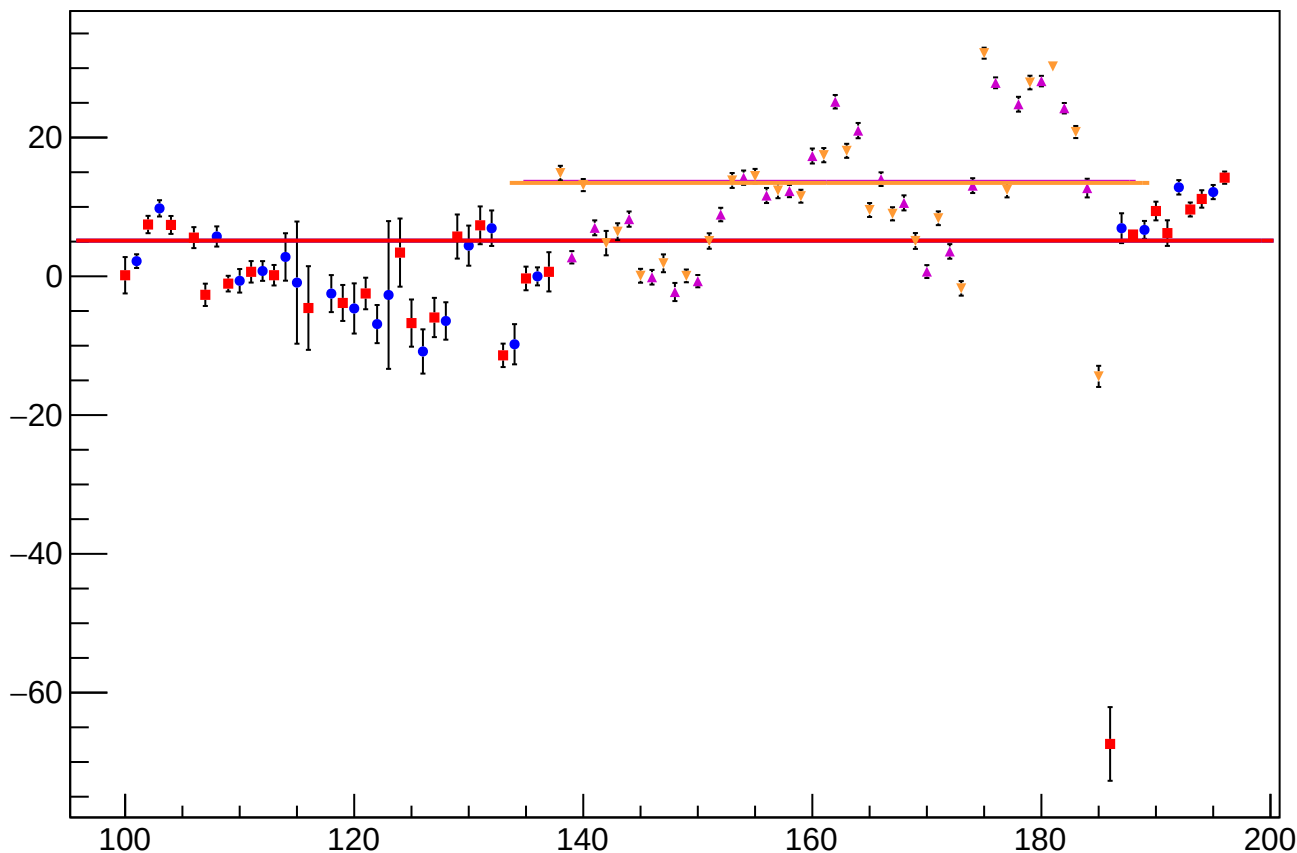
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 59.087 $\pm$ 0.134 χ^2 /NDF: 7339.1/45

All: 59.688 $\pm$ 0.094 χ^2 /NDF: 19114.6/94

- sign 60.279 $\pm$ 0.133 χ^2 /NDF: 11735.5/48

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 5.141 ± 0.367 χ^2/NDF : 271.8/20

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 5.144 ± 0.277 χ^2/NDF : 594.5/25

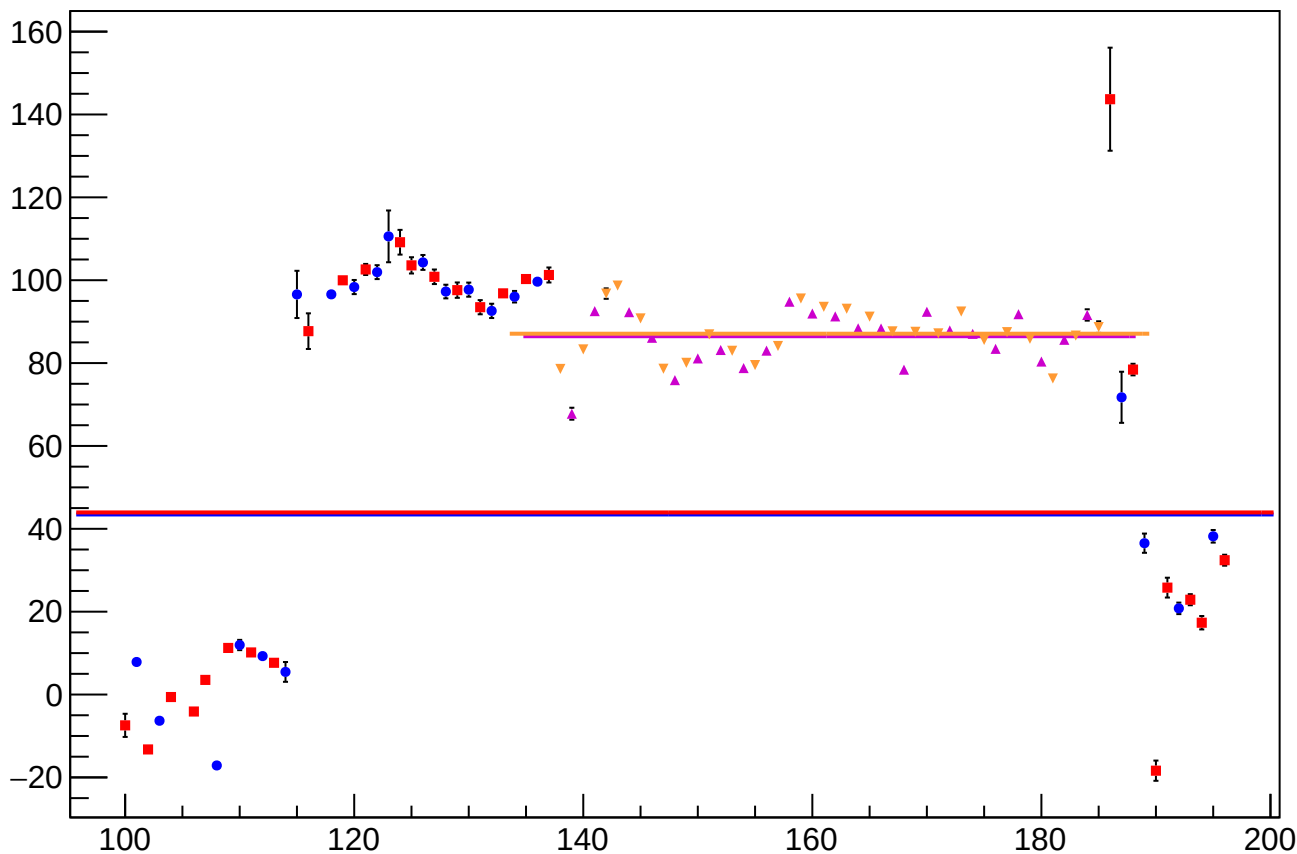
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.533 ± 0.177 χ^2/NDF : 3403.5/45

All: 11.051 ± 0.120 χ^2/NDF : 6932.9/94

- sign 10.633 ± 0.165 χ^2/NDF : 3515.5/48

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.463 $\pm$ 0.290 χ^2 /NDF: 25027.9/20

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 43.953 $\pm$ 0.265 χ^2 /NDF: 30241.0/25

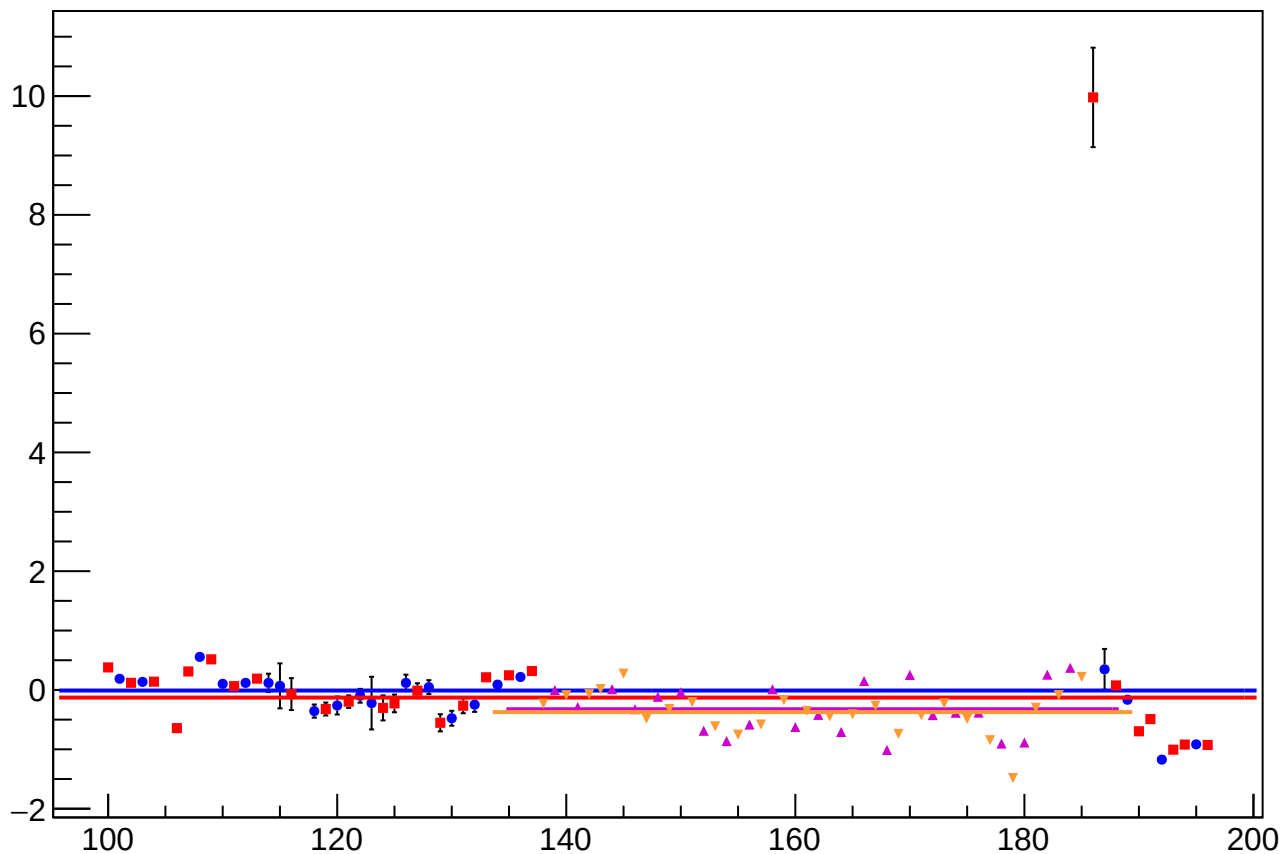
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 75.029 $\pm$ 0.152 χ^2 /NDF: 42515.9/45

All: 73.784 $\pm$ 0.107 χ^2 /NDF: 91273.0/94

- sign 72.554 $\pm$ 0.151 χ^2 /NDF: 48624.3/48

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.010 ± 0.013 χ^2/NDF : 1558.4/20

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.129 ± 0.011 χ^2/NDF : 2202.9/25

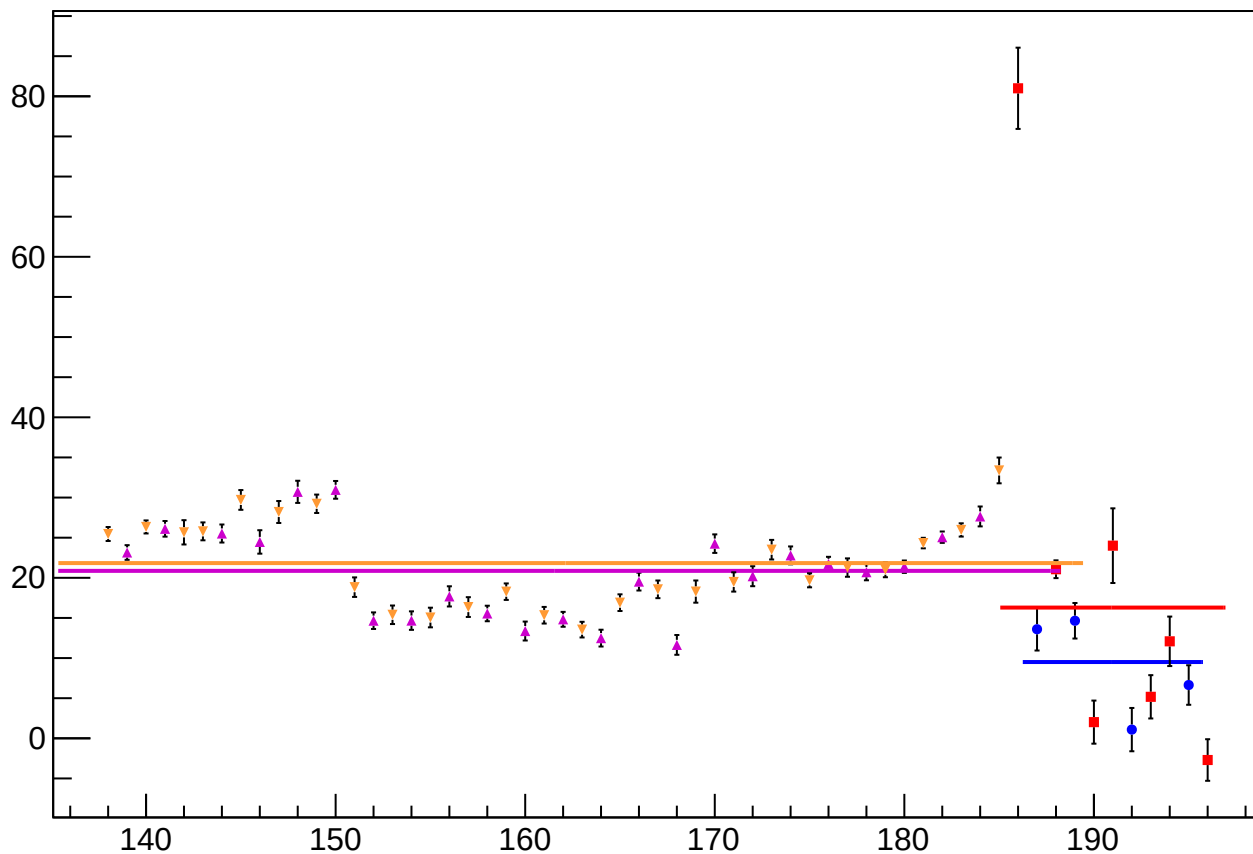
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.267 ± 0.007 χ^2/NDF : 3809.8/45

All: -0.261 ± 0.005 χ^2/NDF : 8502.3/94

- sign -0.255 ± 0.007 χ^2/NDF : 4690.9/48

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 9.506 ± 1.242 $\chi^2/\text{NDF}: 18.9/3$

Left Out: 21.836 ± 0.210 $\chi^2/\text{NDF}: 524.3/24$

Right Out: 16.292 ± 0.836 $\chi^2/\text{NDF}: 285.7/6$

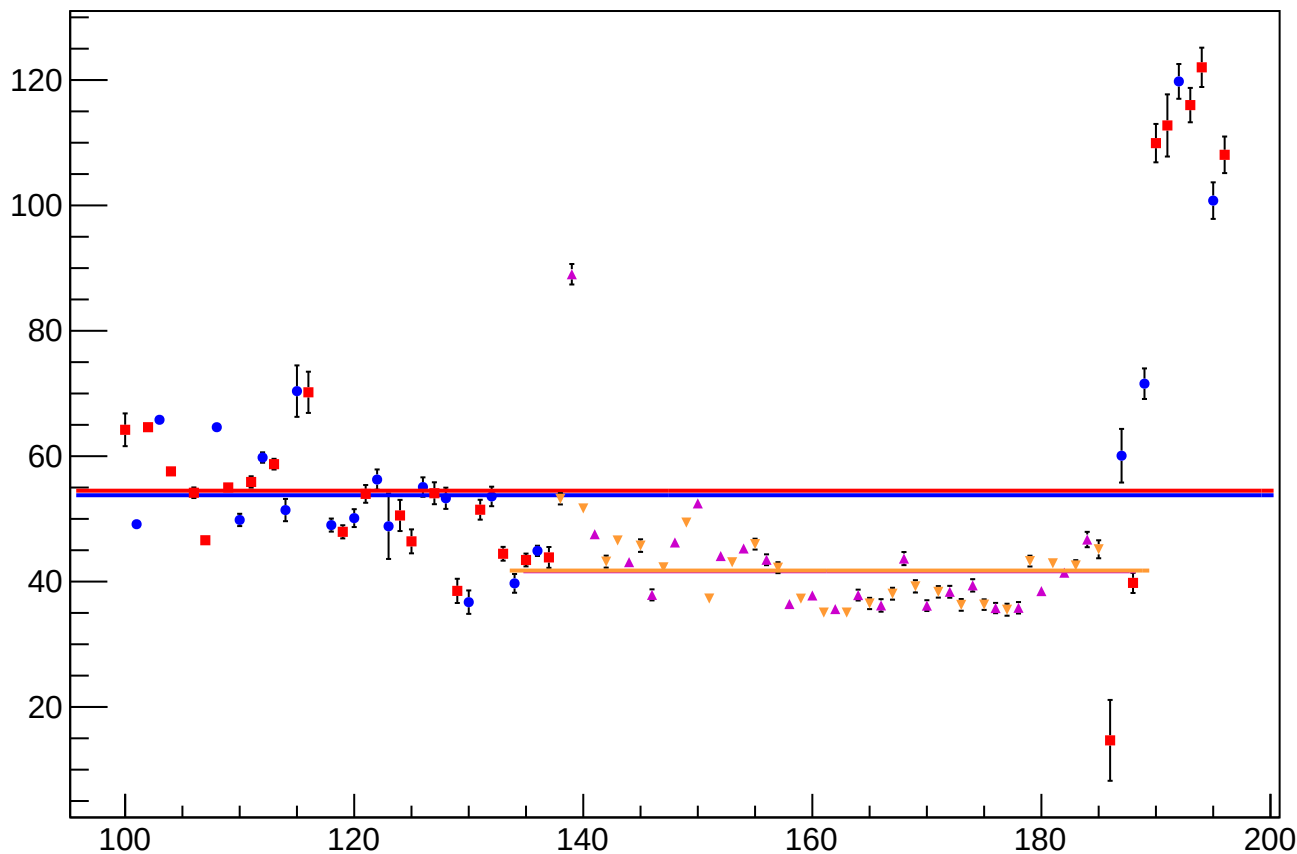
Left In: 20.866 ± 0.217 $\chi^2/\text{NDF}: 576.9/22$

+ sign 21.494 ± 0.207 $\chi^2/\text{NDF}: 639.0/28$

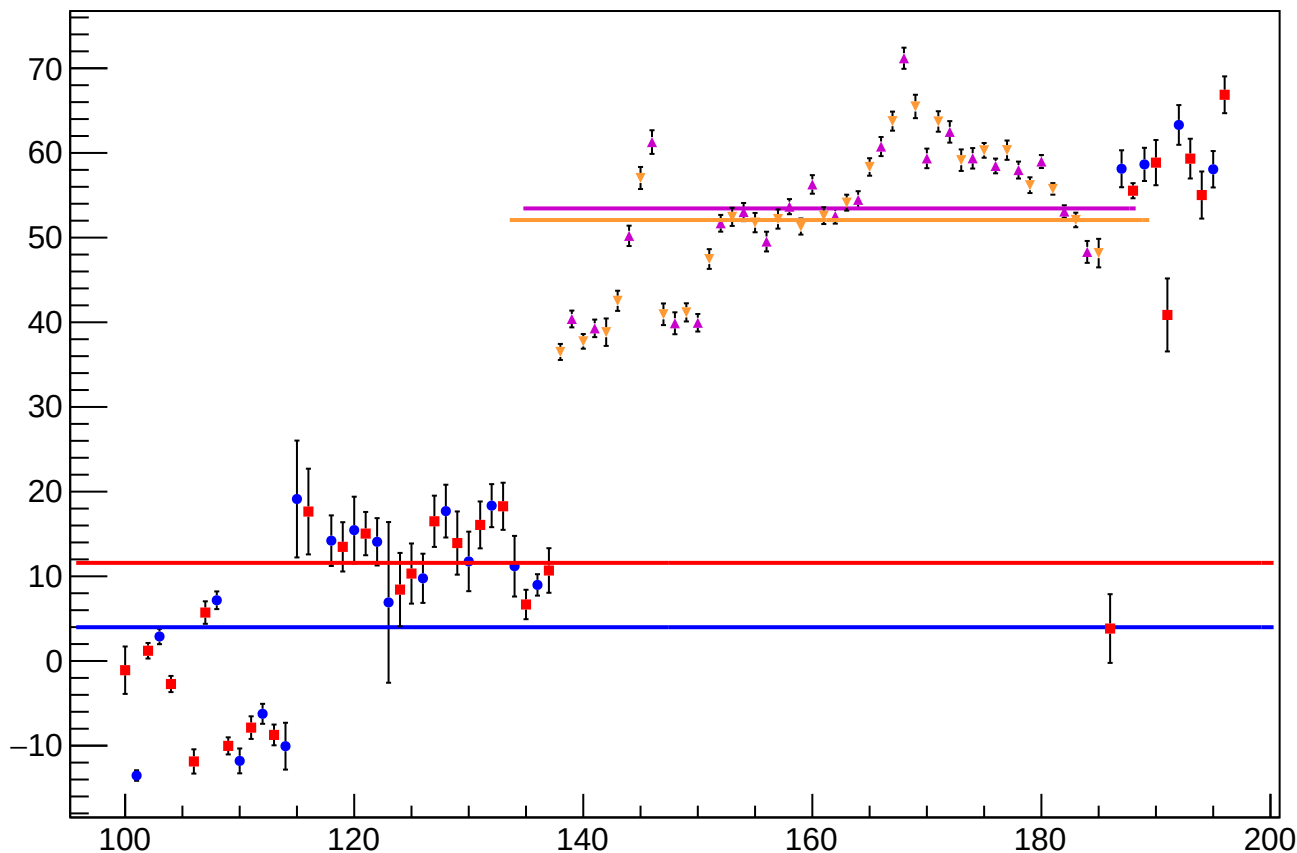
All: 21.042 ± 0.147 $\chi^2/\text{NDF}: 1539.3/58$

- sign 20.578 ± 0.210 $\chi^2/\text{NDF}: 890.6/29$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 3.989 ± 0.345 $\chi^2/\text{NDF}: 3805.7/20$

Left Out: 52.076 ± 0.210 $\chi^2/\text{NDF}: 1450.9/24$

Right Out: 11.588 ± 0.332 $\chi^2/\text{NDF}: 5719.8/25$

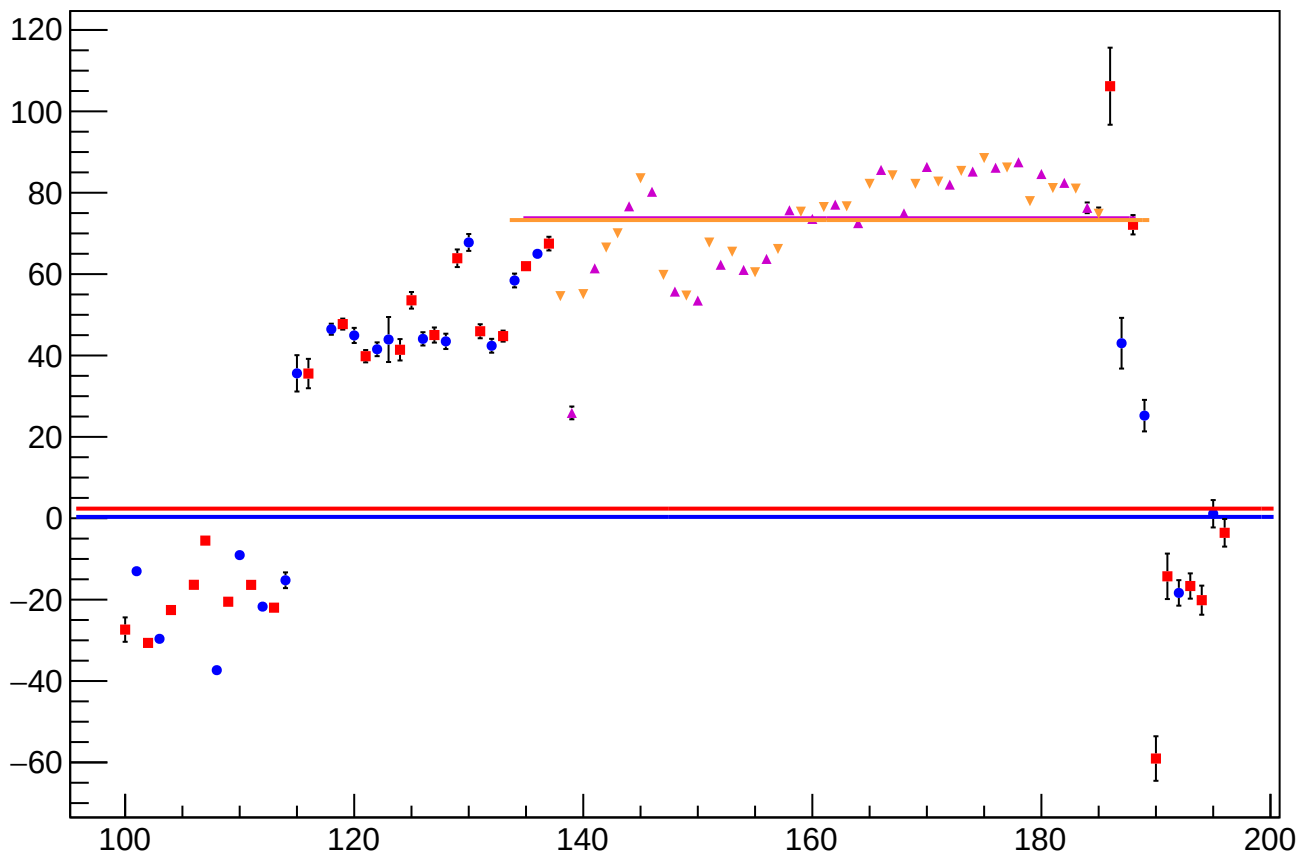
Left In: 53.447 ± 0.215 $\chi^2/\text{NDF}: 1169.0/22$

+ sign 39.089 ± 0.179 $\chi^2/\text{NDF}: 19417.1/45$

All: 40.069 ± 0.127 $\chi^2/\text{NDF}: 37543.6/94$

- sign 41.063 ± 0.181 $\chi^2/\text{NDF}: 18066.4/48$

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.332 ± 0.246 χ^2/NDF : 18343.9/20

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.368 ± 0.262 χ^2/NDF : 16608.5/25

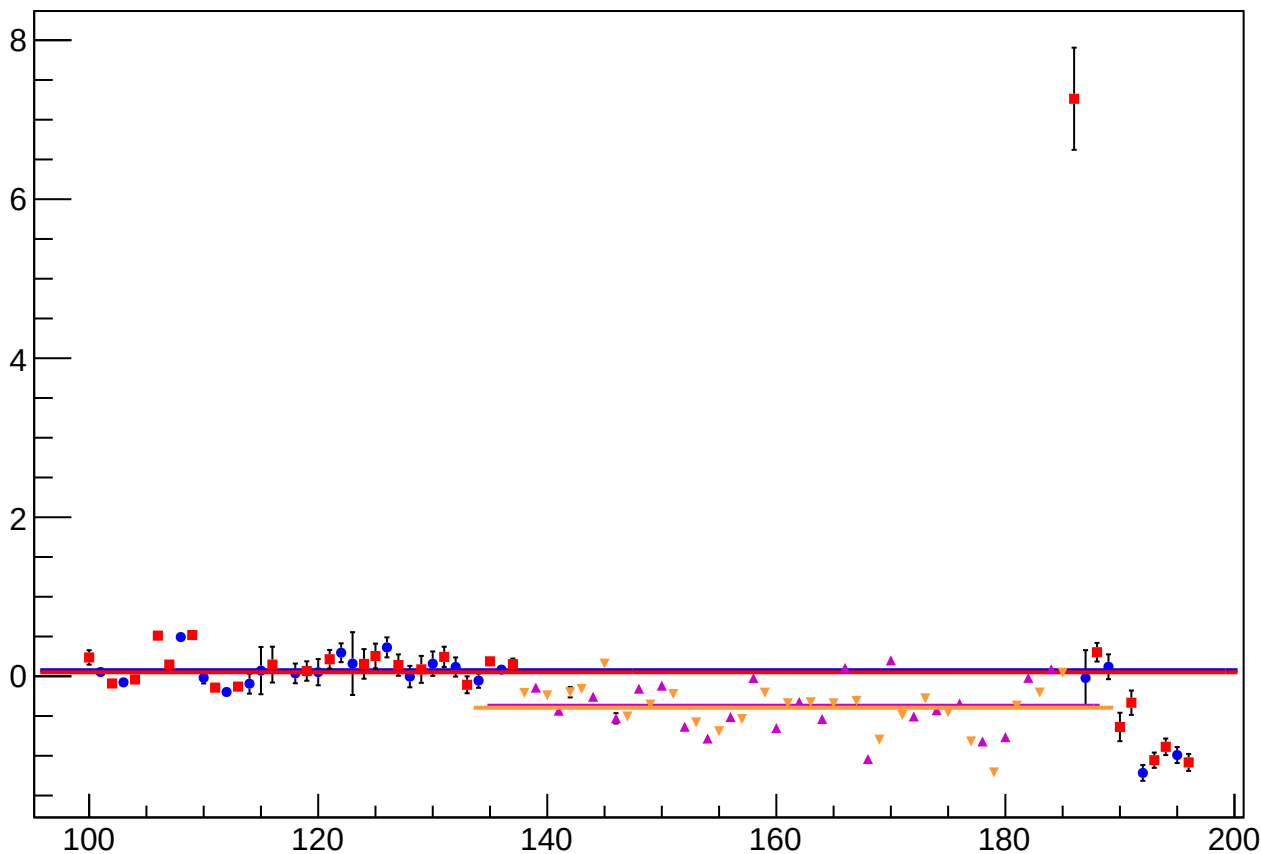
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.530 ± 0.149 χ^2/NDF : 77394.7/45

All: 47.419 ± 0.108 χ^2/NDF : 145720.3/94

- sign 48.398 ± 0.156 χ^2/NDF : 68250.5/48

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.076 ± 0.011 χ^2/NDF : 689.5/20

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.050 ± 0.011 χ^2/NDF : 880.4/25

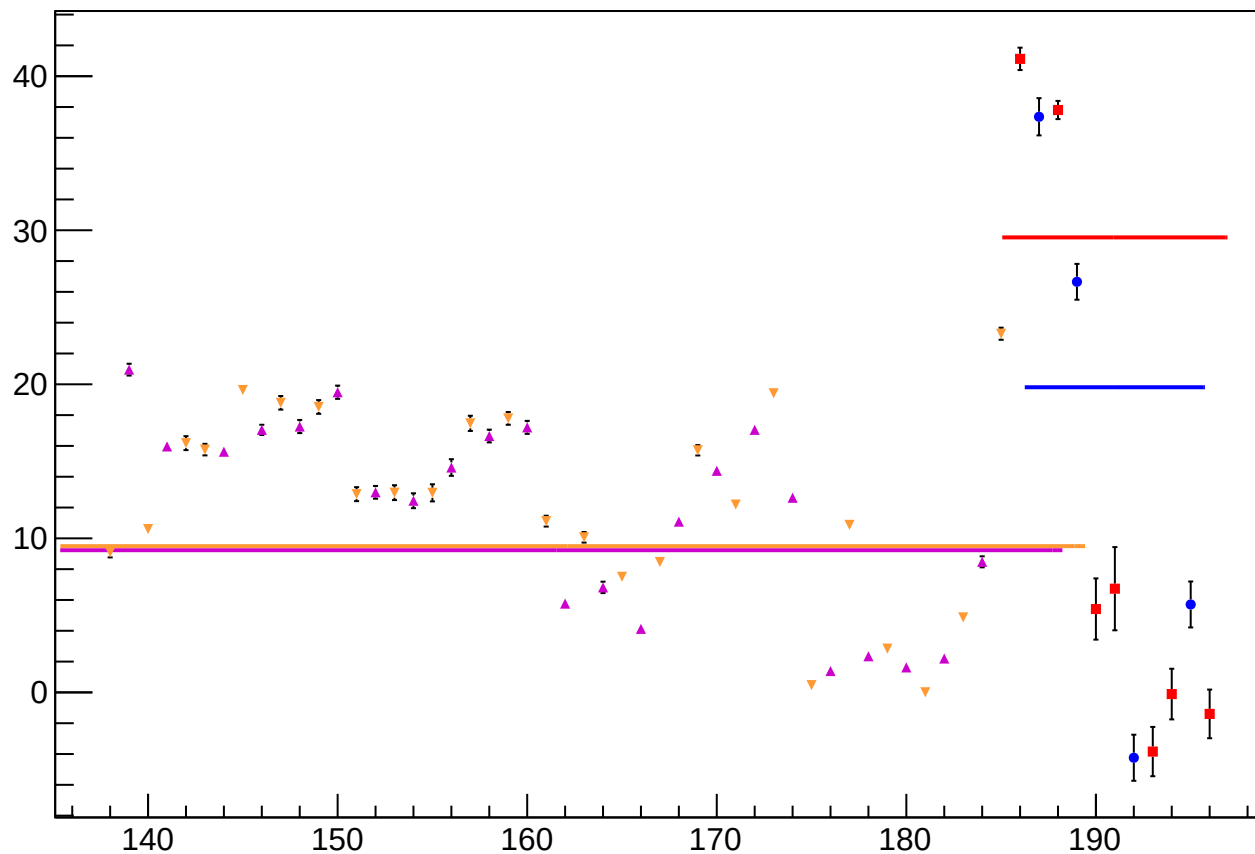
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.216 ± 0.007 χ^2/NDF : 2802.0/45

All: -0.210 ± 0.005 χ^2/NDF : 5925.6/94

- sign -0.204 ± 0.007 χ^2/NDF : 3122.0/48

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 19.808 $\pm$ 0.656 χ^2 /NDF: 593.8/3

Left Out: 9.495 $\pm$ 0.061 χ^2 /NDF: 12609.1/24

Right Out: 29.536 $\pm$ 0.398 χ^2 /NDF: 1812.3/6

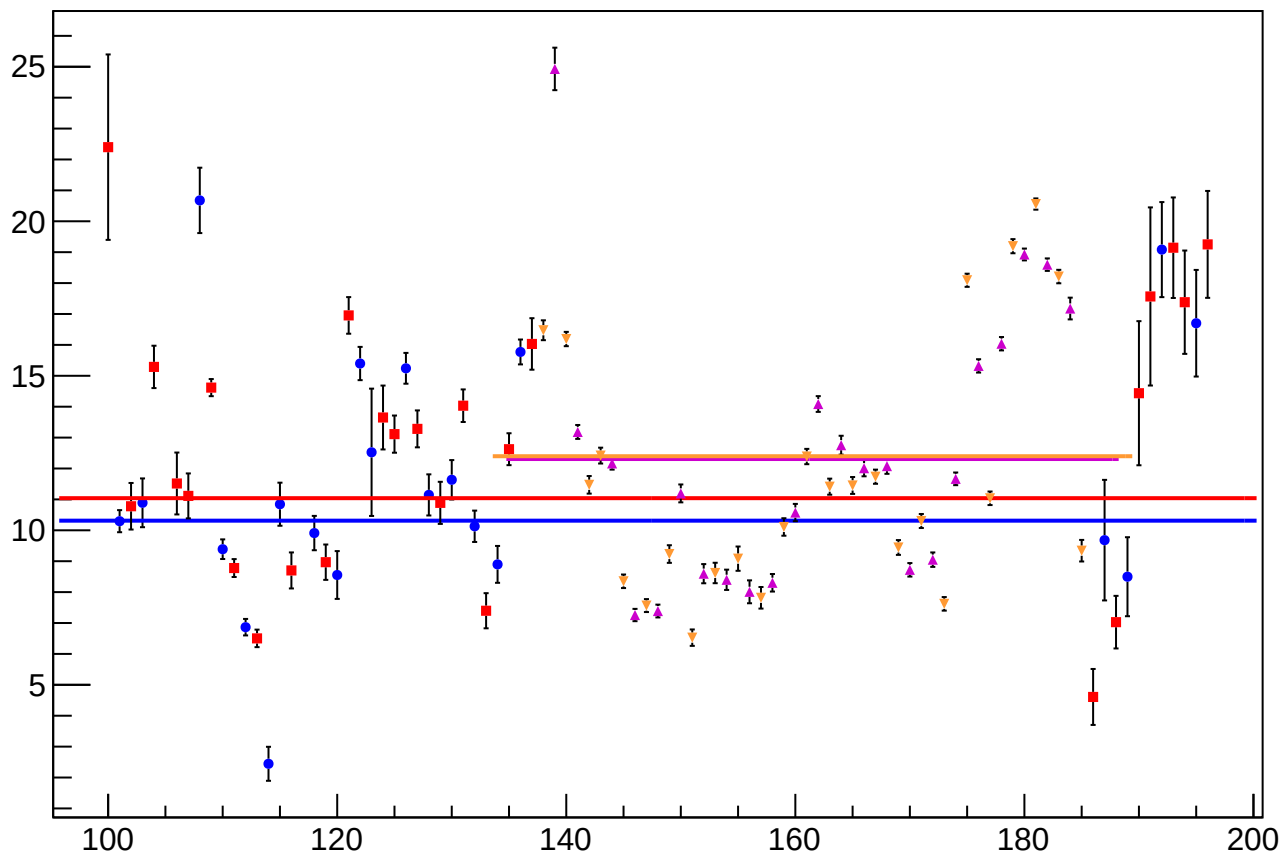
Left In: 9.231 $\pm$ 0.063 χ^2 /NDF: 10736.2/22

+ sign 9.584 $\pm$ 0.061 χ^2 /NDF: 13447.7/28

All: 9.654 $\pm$ 0.044 χ^2 /NDF: 28536.1/58

- sign 9.727 $\pm$ 0.062 χ^2 /NDF: 15085.7/29

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.312 $\pm$ 0.118 χ^2 /NDF: 914.8/20

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 11.040 $\pm$ 0.113 χ^2 /NDF: 958.6/25

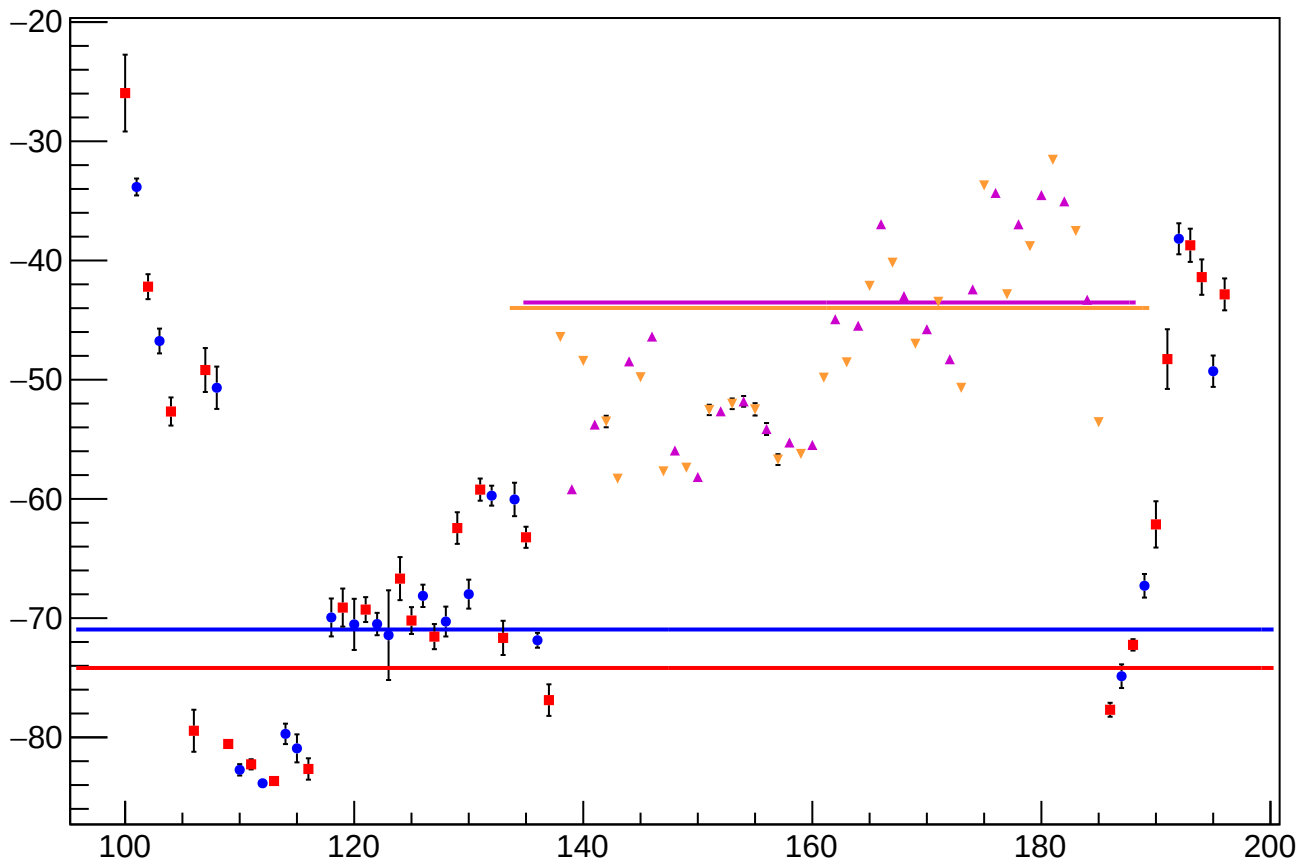
Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

+ sign 12.084 $\pm$ 0.046 χ^2 /NDF: 8721.8/45

All: 12.088 $\pm$ 0.033 χ^2 /NDF: 15385.7/94

- sign 12.092 $\pm$ 0.047 χ^2 /NDF: 6664.0/48

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -70.953 ± 0.187 χ^2/NDF : 6538.0/20

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -74.180 ± 0.159 χ^2/NDF : 5445.6/25

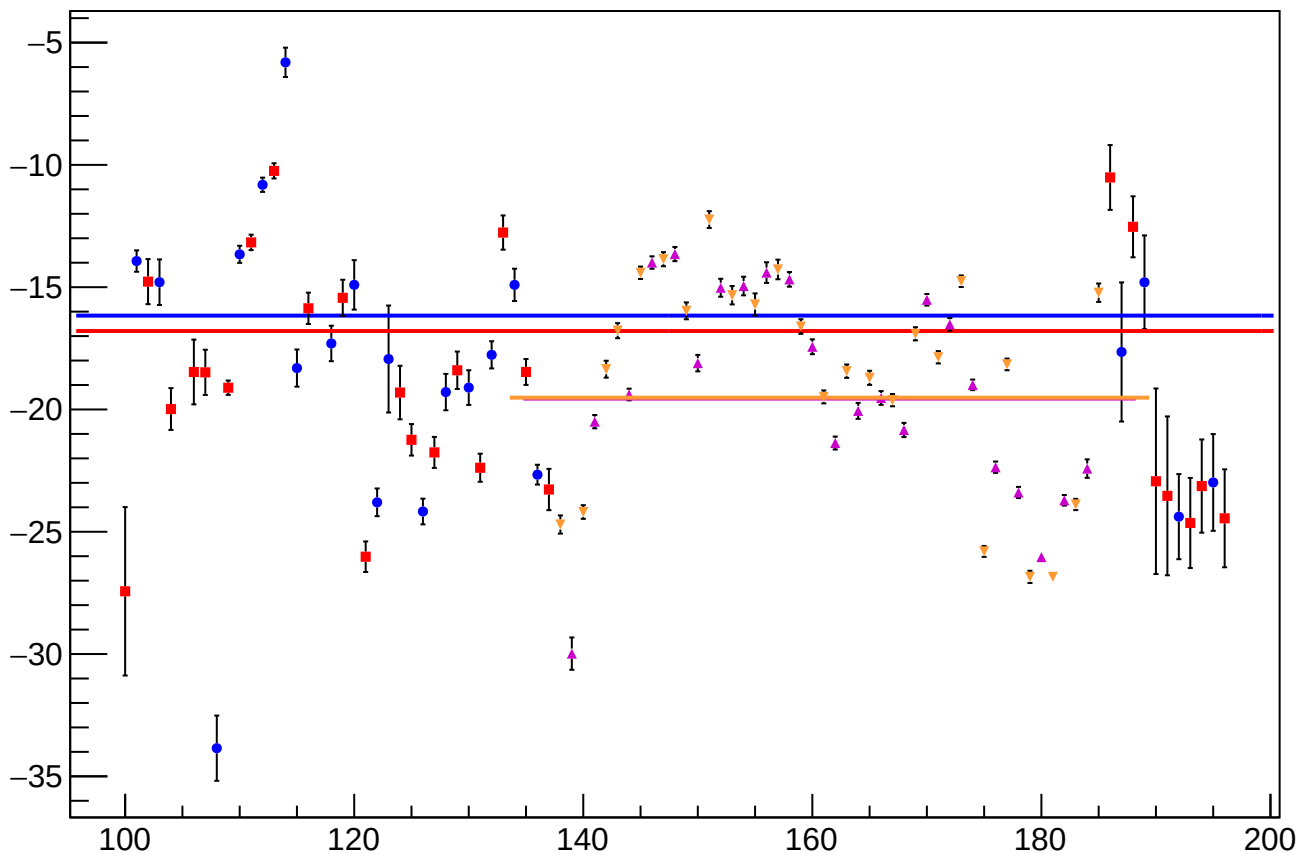
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -46.648 ± 0.059 χ^2/NDF : 43022.7/45

All: -47.192 ± 0.042 χ^2/NDF : 96121.7/94

- sign -47.736 ± 0.059 χ^2/NDF : 52927.7/48

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.163 ± 0.132 χ^2/NDF : 1656.0/20

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.791 ± 0.126 χ^2/NDF : 1296.1/25

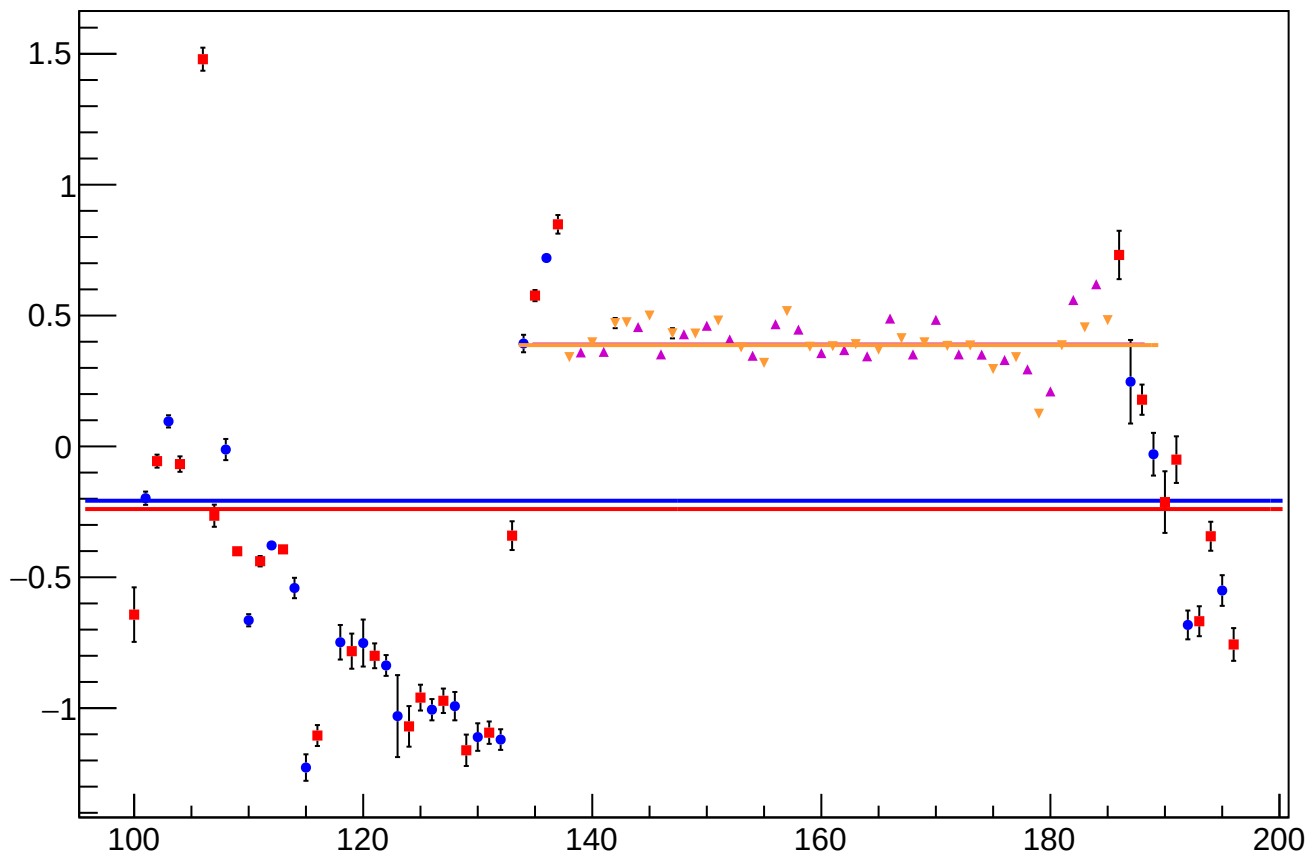
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.007 ± 0.051 χ^2/NDF : 8724.6/45

All: -19.044 ± 0.037 χ^2/NDF : 14731.0/94

- sign -19.081 ± 0.052 χ^2/NDF : 6005.4/48

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.208 ± 0.007 χ^2/NDF : 6440.6/20

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.239 ± 0.007 χ^2/NDF : 6472.0/25

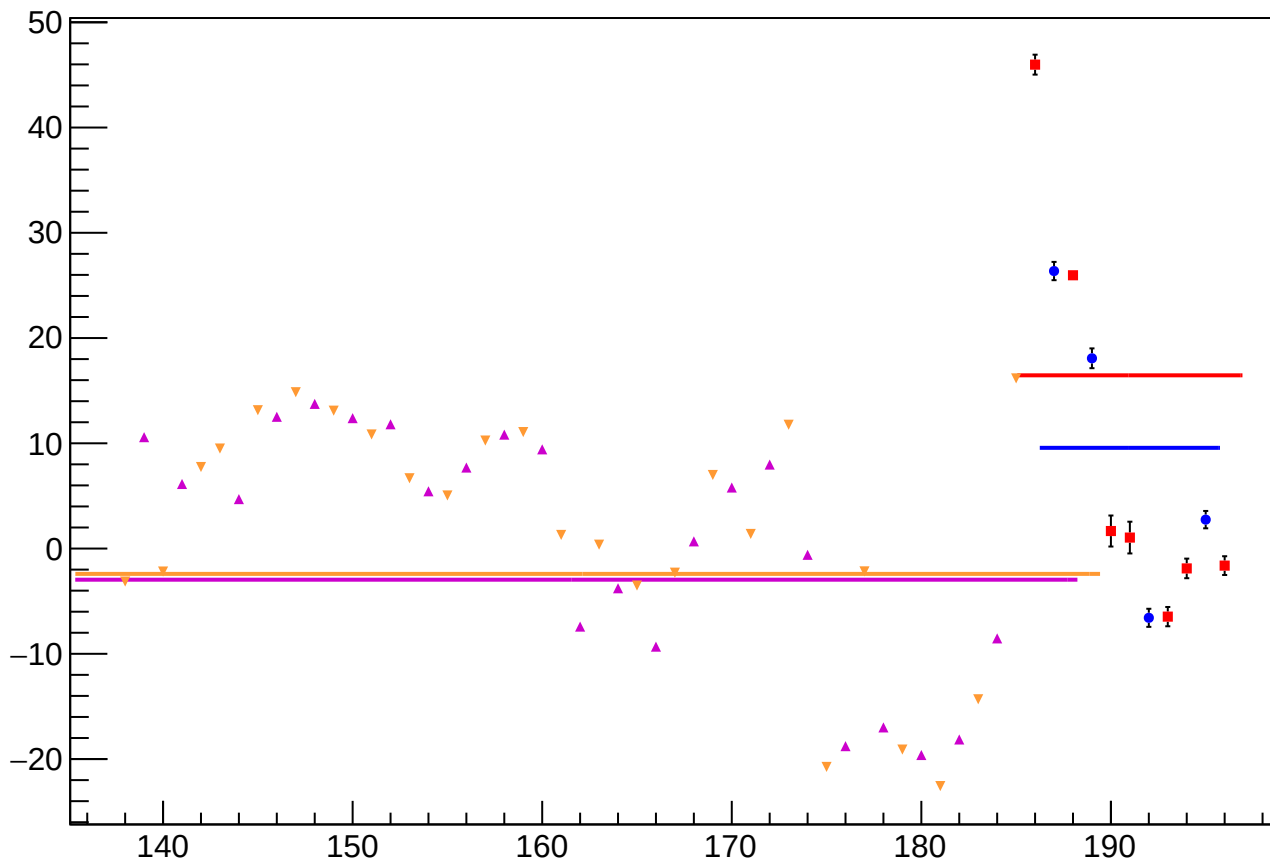
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.323 ± 0.002 χ^2/NDF : 13220.2/45

All: 0.317 ± 0.002 χ^2/NDF : 28177.3/94

- sign 0.310 ± 0.002 χ^2/NDF : 14942.8/48

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 9.570 ± 0.435 $\chi^2/\text{NDF}: 878.4/3$

Left Out: -2.407 ± 0.053 $\chi^2/\text{NDF}: 56368.5/24$

Right Out: 16.458 ± 0.300 $\chi^2/\text{NDF}: 3096.1/6$

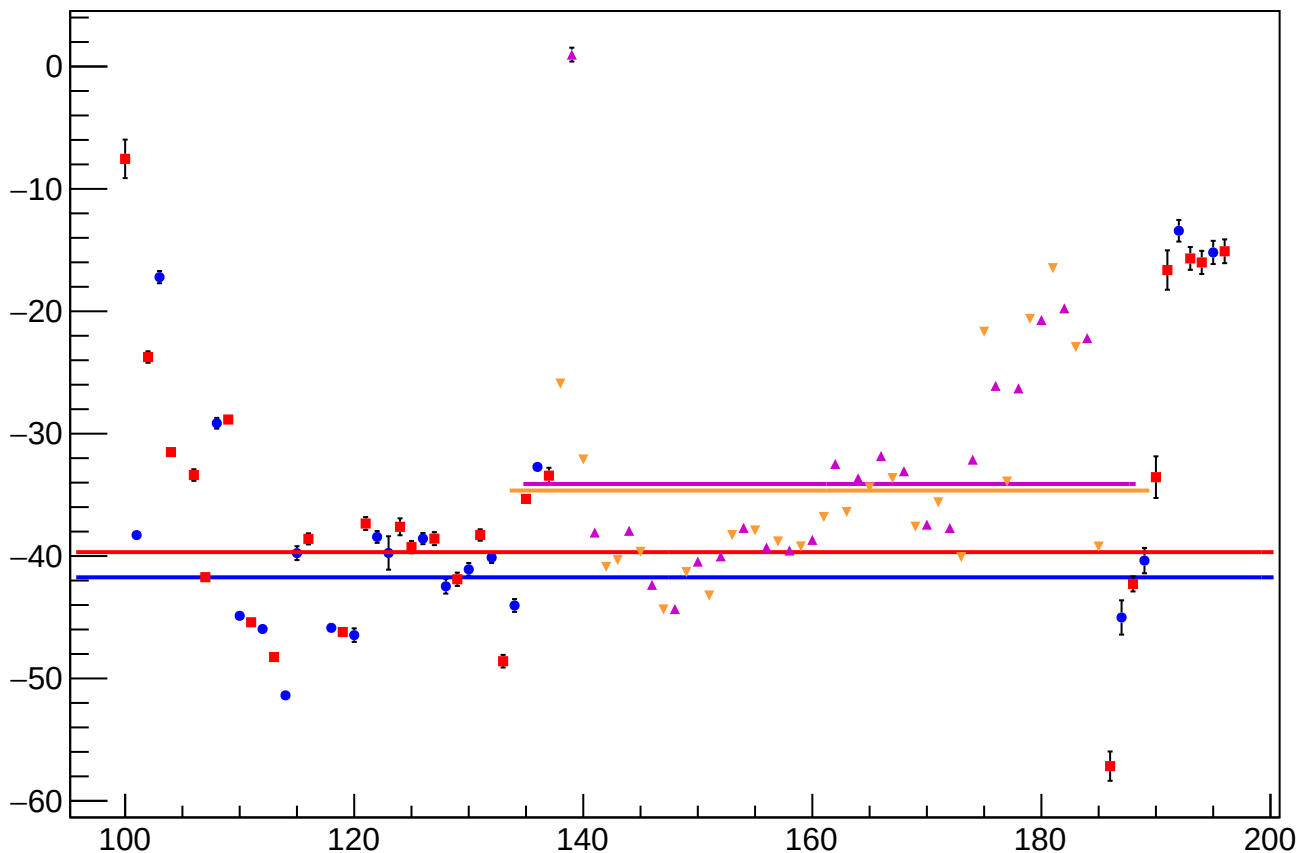
Left In: -2.959 ± 0.055 $\chi^2/\text{NDF}: 45922.6/22$

+ sign -2.233 ± 0.052 $\chi^2/\text{NDF}: 57993.9/28$

All: -2.281 ± 0.038 $\chi^2/\text{NDF}: 111059.3/58$

- sign -2.332 ± 0.054 $\chi^2/\text{NDF}: 53063.6/29$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -41.736 ± 0.077 $\chi^2/\text{NDF}: 8398.3/20$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -39.680 ± 0.071 $\chi^2/\text{NDF}: 13725.3/25$

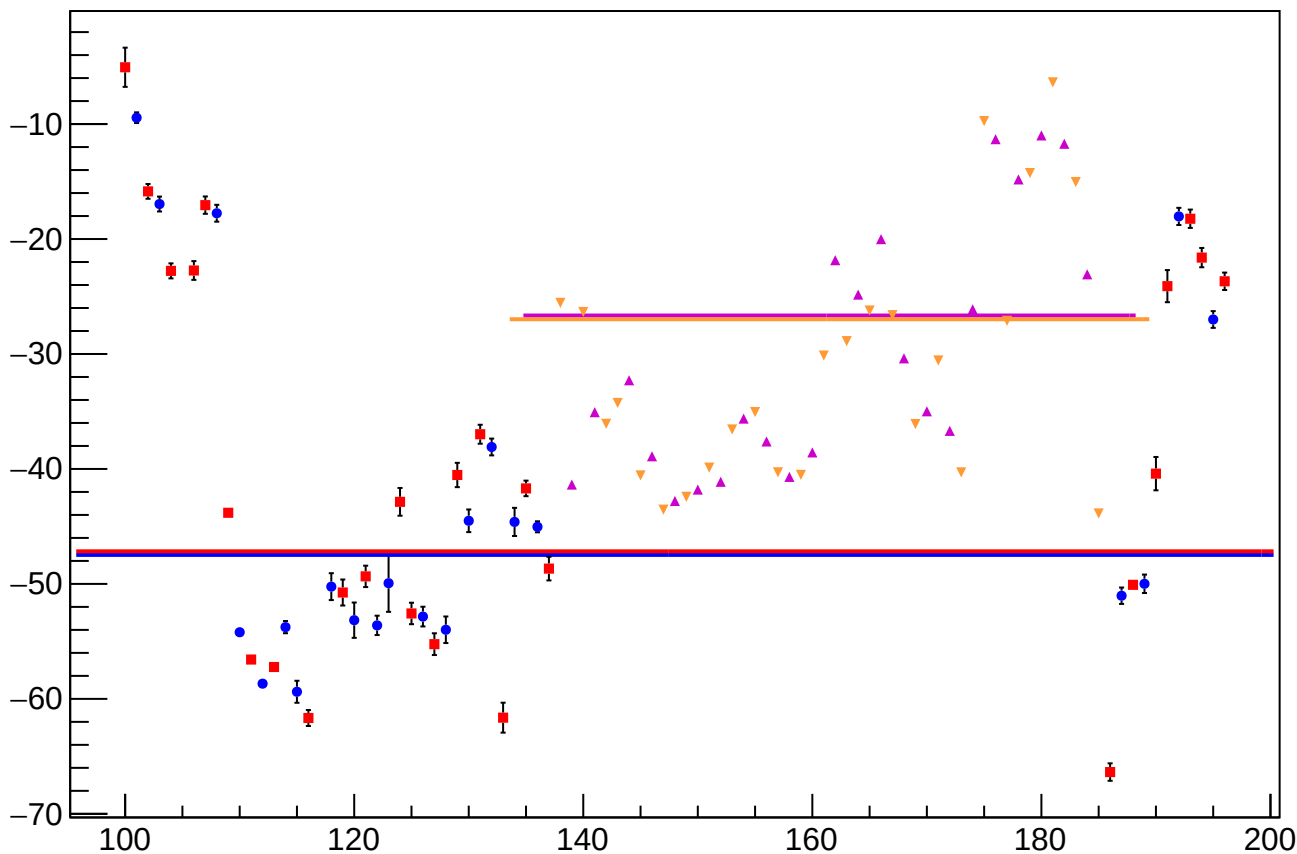
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.250 ± 0.037 $\chi^2/\text{NDF}: 49588.6/45$

All: -35.950 ± 0.026 $\chi^2/\text{NDF}: 96915.3/94$

- sign -35.639 ± 0.037 $\chi^2/\text{NDF}: 47191.1/48$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -47.476 ± 0.118 χ^2/NDF : 17137.7/20

Left Out: -26.978 ± 0.053 χ^2/NDF : 49361.1/24

Right Out: -47.166 ± 0.099 χ^2/NDF : 16018.5/25

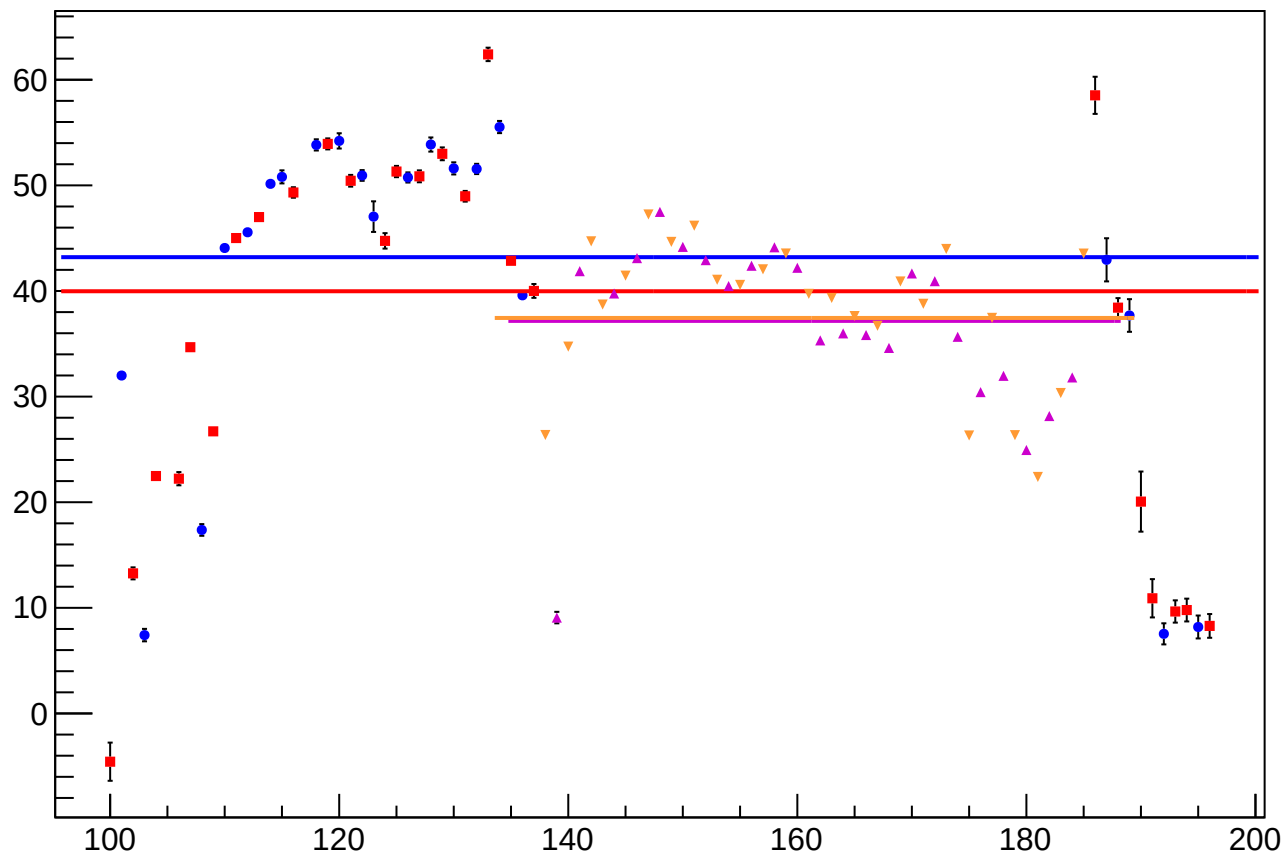
Left In: -26.654 ± 0.055 χ^2/NDF : 42106.8/22

+ sign -30.421 ± 0.049 χ^2/NDF : 91448.9/45

All: -30.970 ± 0.034 χ^2/NDF : 182818.9/94

- sign -31.508 ± 0.048 χ^2/NDF : 91116.6/48

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.202 $\pm$ 0.086 χ^2 /NDF: 12927.2/20

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 39.975 $\pm$ 0.079 χ^2 /NDF: 20447.7/25

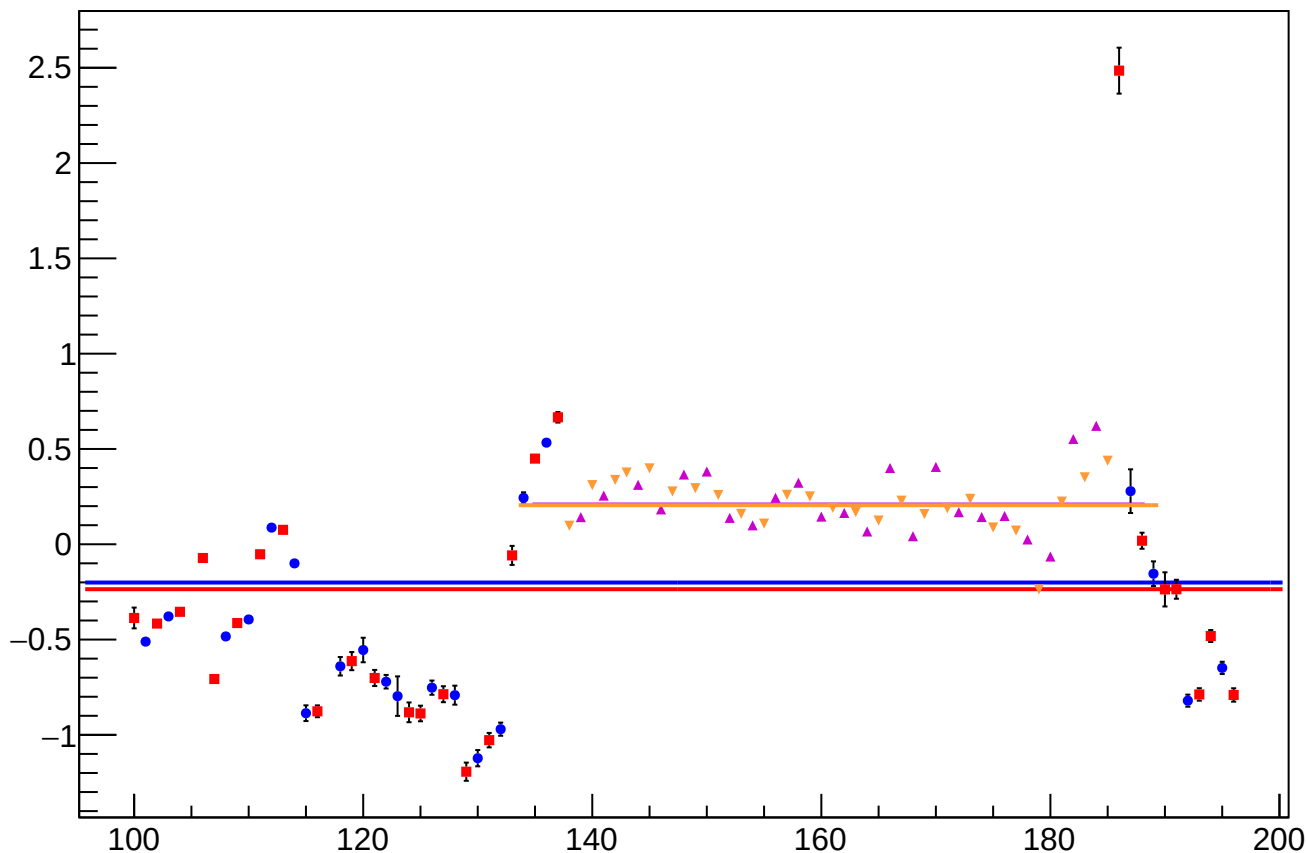
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.772 $\pm$ 0.041 χ^2 /NDF: 37928.3/45

All: 38.367 $\pm$ 0.029 χ^2 /NDF: 76713.3/94

- sign 37.953 $\pm$ 0.042 χ^2 /NDF: 38591.3/48

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.201 ± 0.005 χ^2/NDF : 7975.0/20

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.236 ± 0.004 χ^2/NDF : 8572.7/25

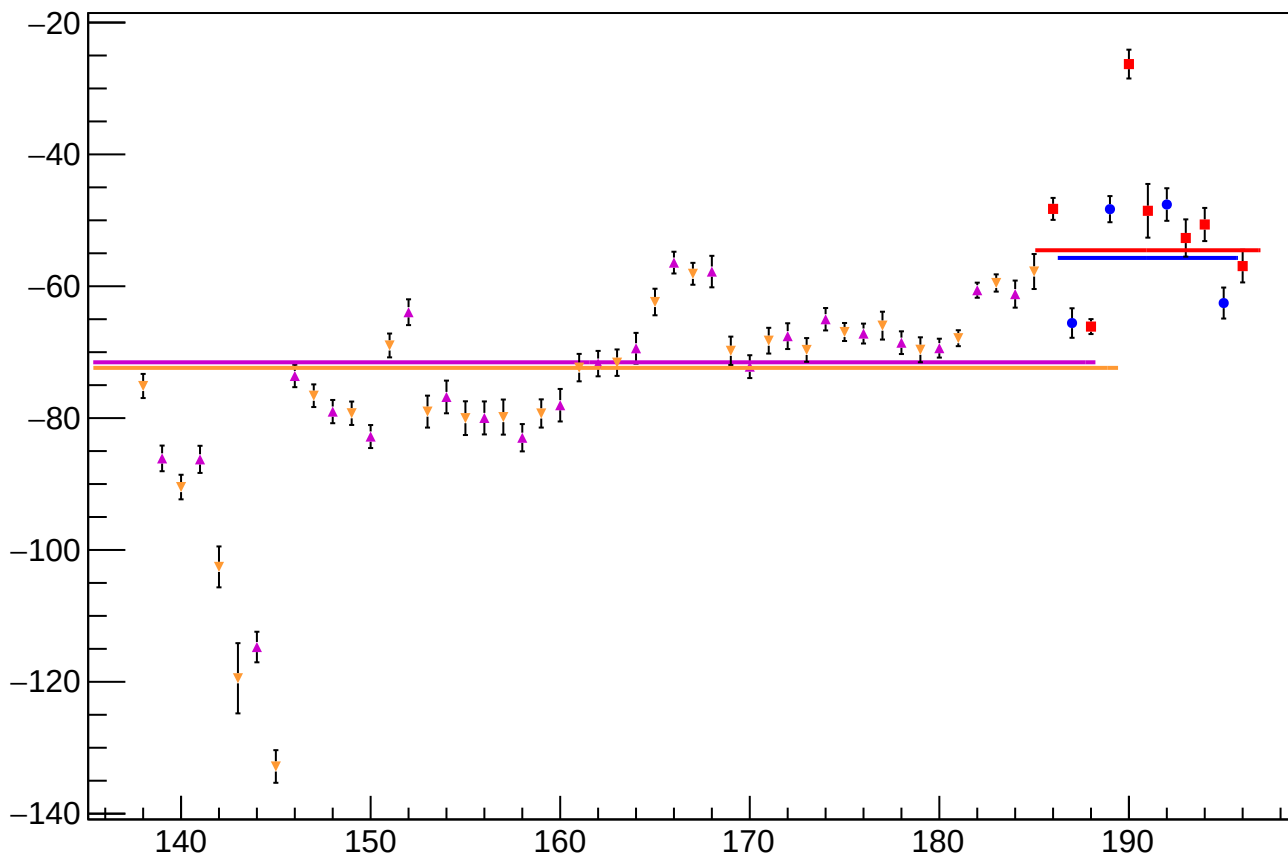
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.134 ± 0.002 χ^2/NDF : 17895.3/45

All: 0.121 ± 0.001 χ^2/NDF : 40492.8/94

- sign 0.108 ± 0.002 χ^2/NDF : 22510.8/48

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -55.704 ± 1.119 χ^2/NDF : 52.6/3

Left Out: -72.381 ± 0.382 χ^2/NDF : 1199.9/24

Right Out: -54.540 ± 0.735 χ^2/NDF : 291.1/6

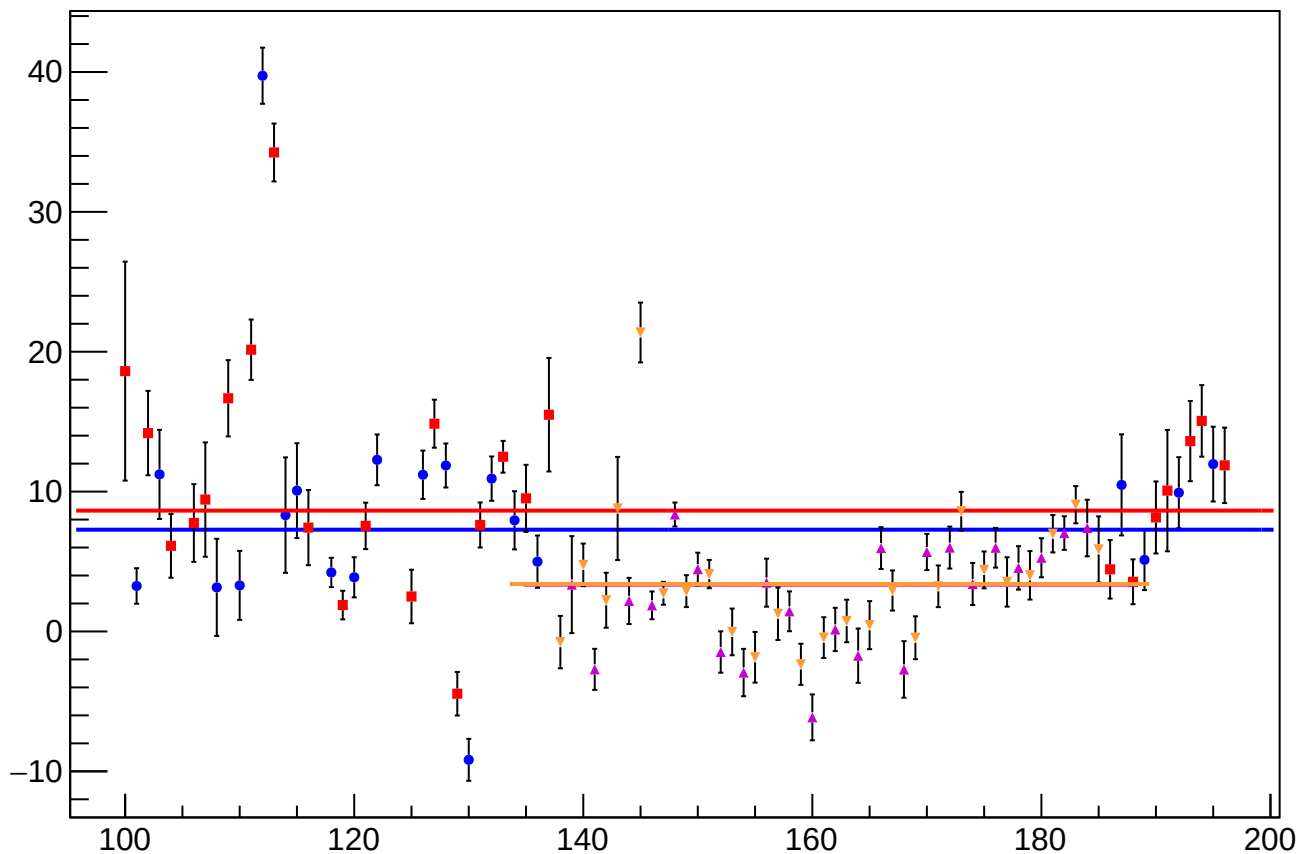
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -70.642 ± 0.361 χ^2/NDF : 1451.4/28

All: -69.194 ± 0.247 χ^2/NDF : 3045.4/58

- sign -67.922 ± 0.339 χ^2/NDF : 1563.9/29

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.277 ± 0.417 χ^2/NDF : 446.5/19

Left Out: 3.392 ± 0.294 χ^2/NDF : 169.9/24

Right Out: 8.642 ± 0.402 χ^2/NDF : 374.8/24

Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.680 ± 0.240 χ^2/NDF : 674.3/44

All: 4.956 ± 0.170 χ^2/NDF : 1327.3/92

- sign 5.231 ± 0.239 χ^2/NDF : 650.3/47

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 30.942 $\pm$ 0.633 χ^2 /NDF: 4134.9/19

Left Out: 13.700 $\pm$ 0.381 χ^2 /NDF:1307.0/24

Right Out: 17.684 $\pm$ 0.499 χ^2 /NDF: 7026.1/24

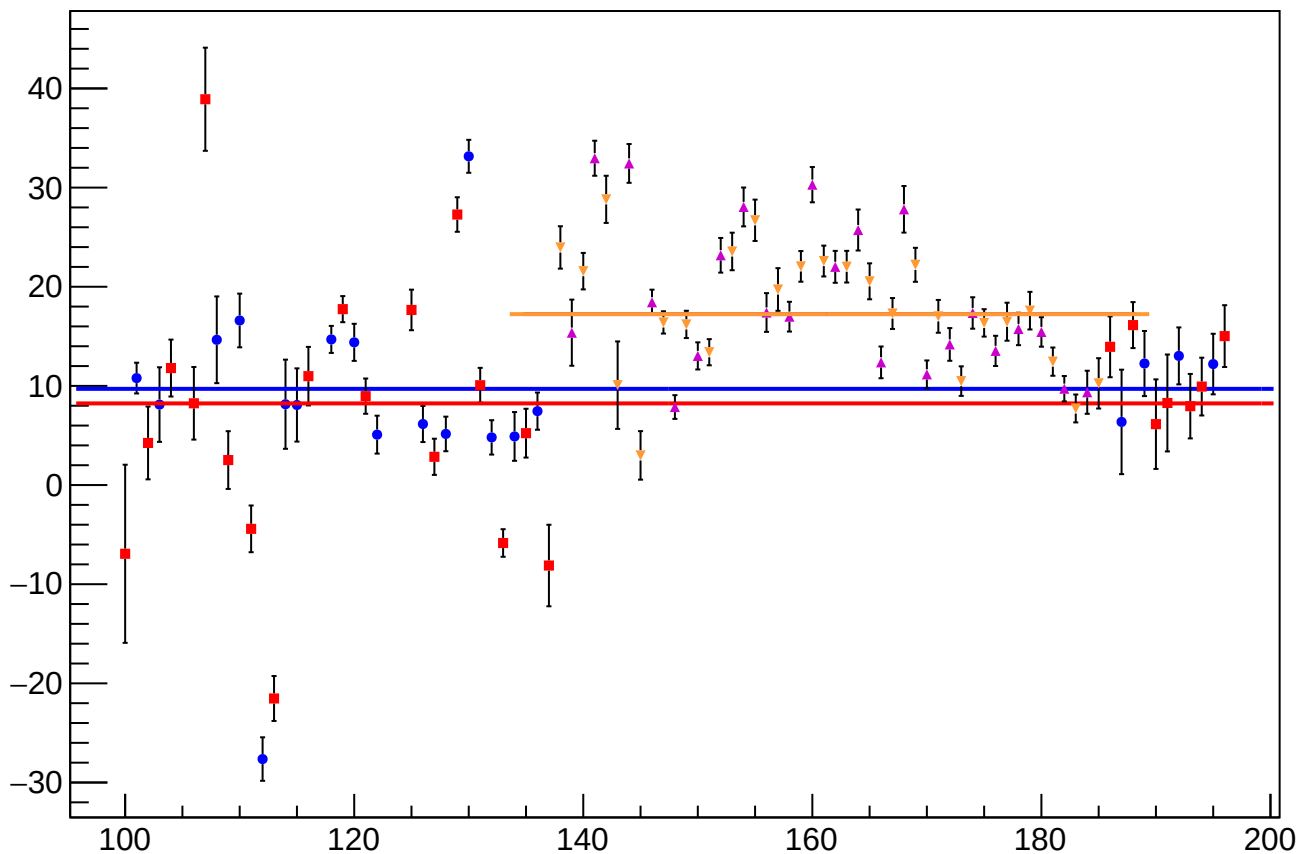
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 18.286 $\pm$ 0.326 χ^2 /NDF: 5986.9/44

All: 16.385 $\pm$ 0.222 χ^2 /NDF: 14155.2/92

- sign 14.756 $\pm$ 0.302 χ^2 /NDF: 8105.3/47

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.702 ± 0.486 $\chi^2/\text{NDF}: 550.4/19$

Left Out: 17.238 ± 0.336 $\chi^2/\text{NDF}: 246.5/24$

Right Out: 8.235 ± 0.474 $\chi^2/\text{NDF}: 589.4/24$

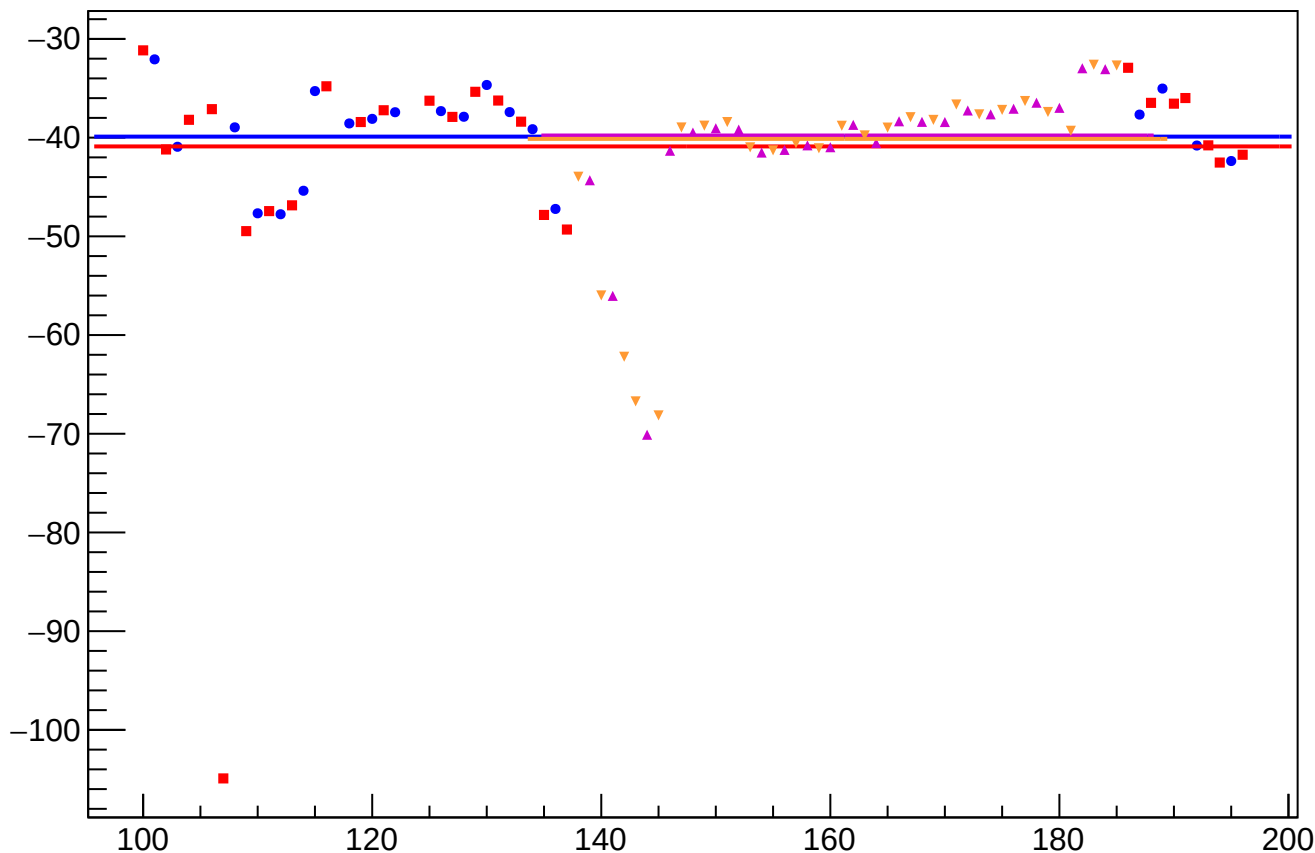
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.799 ± 0.276 $\chi^2/\text{NDF}: 959.6/44$

All: 14.493 ± 0.195 $\chi^2/\text{NDF}: 2231.3/92$

- sign 14.189 ± 0.276 $\chi^2/\text{NDF}: 1269.2/47$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.897 ± 0.027 $\chi^2/\text{NDF}: 28387.3/19$

Left Out: -40.126 ± 0.016 $\chi^2/\text{NDF}: 185897.0/24$

Right Out: -40.891 ± 0.025 $\chi^2/\text{NDF}: 100928.5/24$

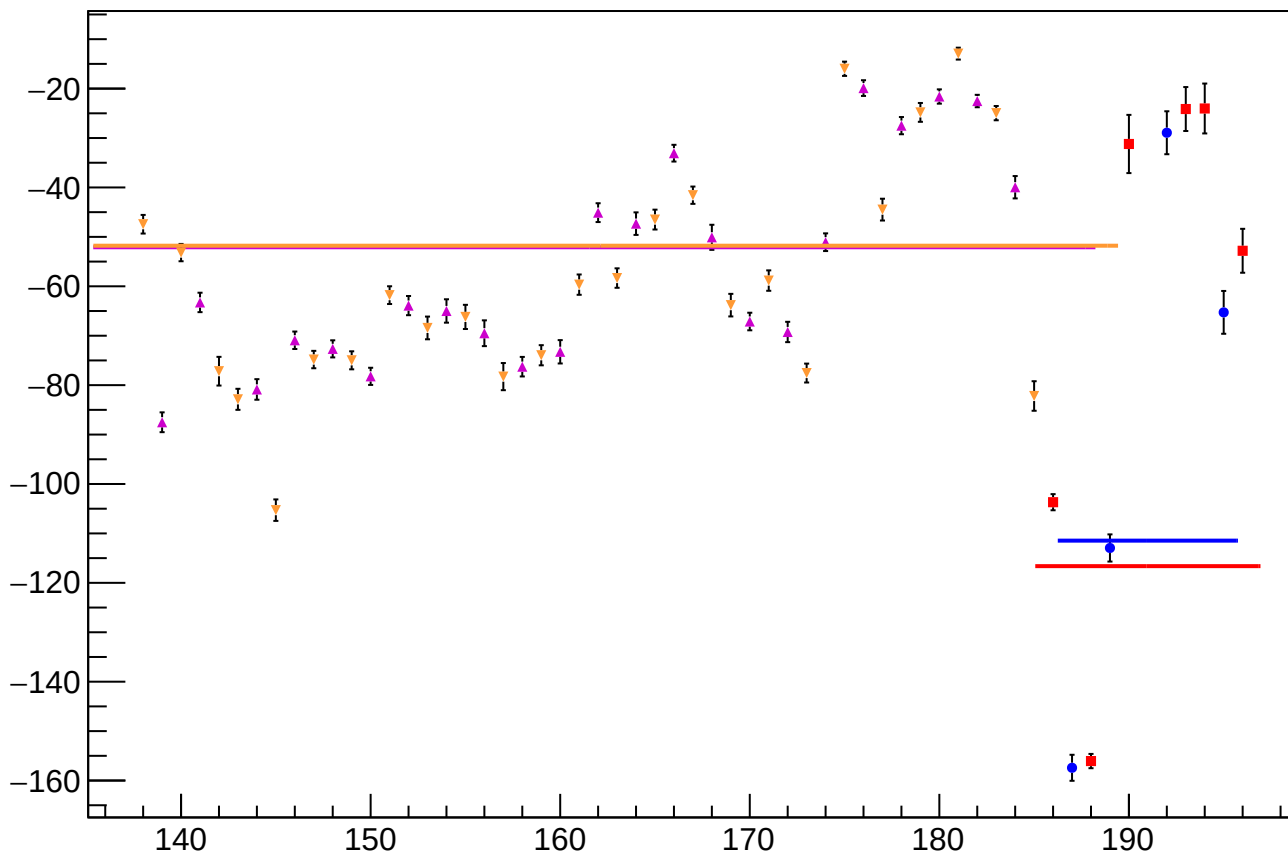
Left In: -39.785 ± 0.016 $\chi^2/\text{NDF}: 144494.5/22$

+ sign -40.069 ± 0.014 $\chi^2/\text{NDF}: 214337.0/44$

All: -40.082 ± 0.010 $\chi^2/\text{NDF}: 461162.1/92$

- sign -40.095 ± 0.013 $\chi^2/\text{NDF}: 246823.4/47$

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -111.460 ± 1.616 $\chi^2/\text{NDF}: 779.8/3$

Left Out: -51.787 ± 0.383 $\chi^2/\text{NDF}: 4164.8/24$

Right Out: -116.622 ± 0.988 $\chi^2/\text{NDF}: 1993.2/5$

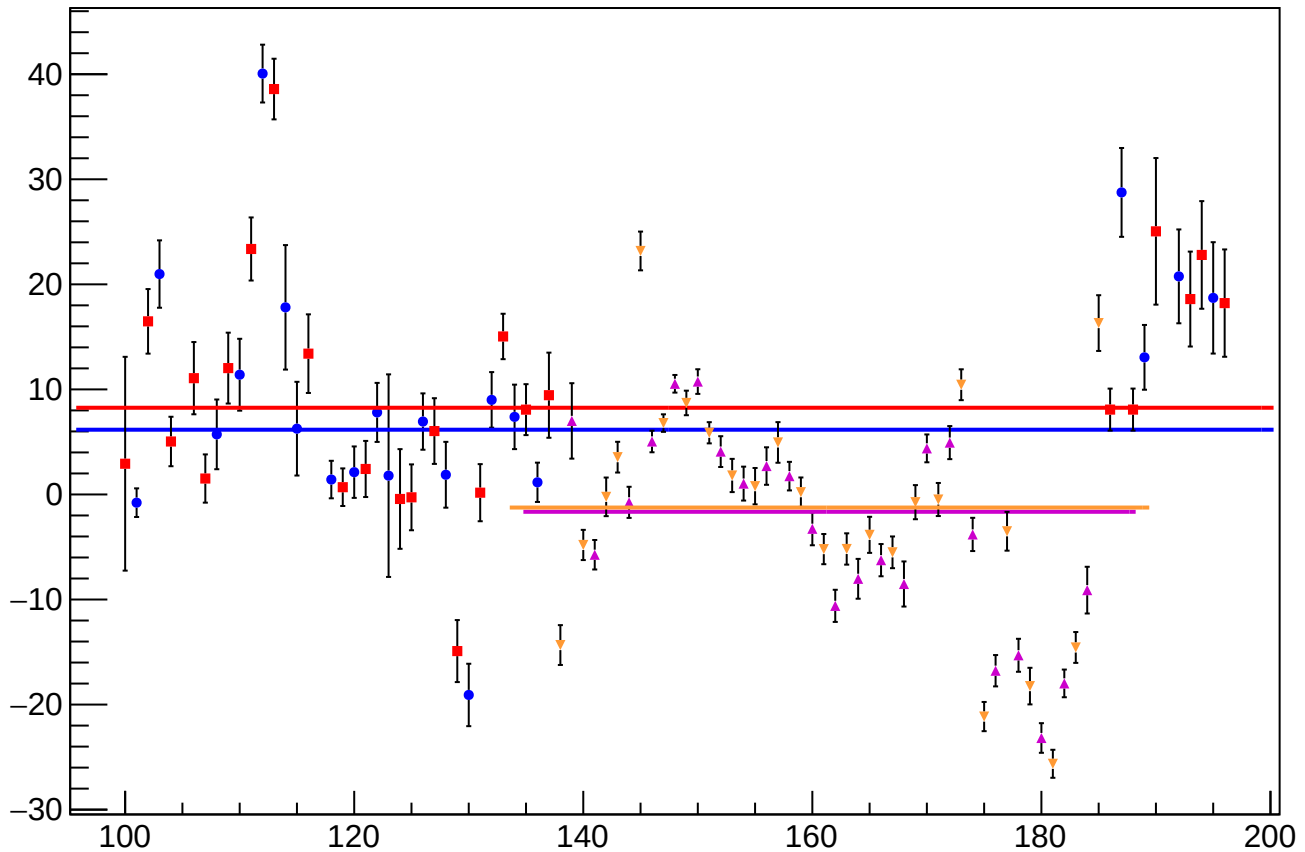
Left In: -52.104 ± 0.389 $\chi^2/\text{NDF}: 3280.2/22$

+ sign -54.955 ± 0.372 $\chi^2/\text{NDF}: 6235.7/28$

All: -57.933 ± 0.259 $\chi^2/\text{NDF}: 15323.4/57$

- sign -60.743 ± 0.362 $\chi^2/\text{NDF}: 8963.3/28$

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 6.163 ± 0.600 $\chi^2/\text{NDF}: 348.1/20$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 8.254 ± 0.577 $\chi^2/\text{NDF}: 294.7/24$

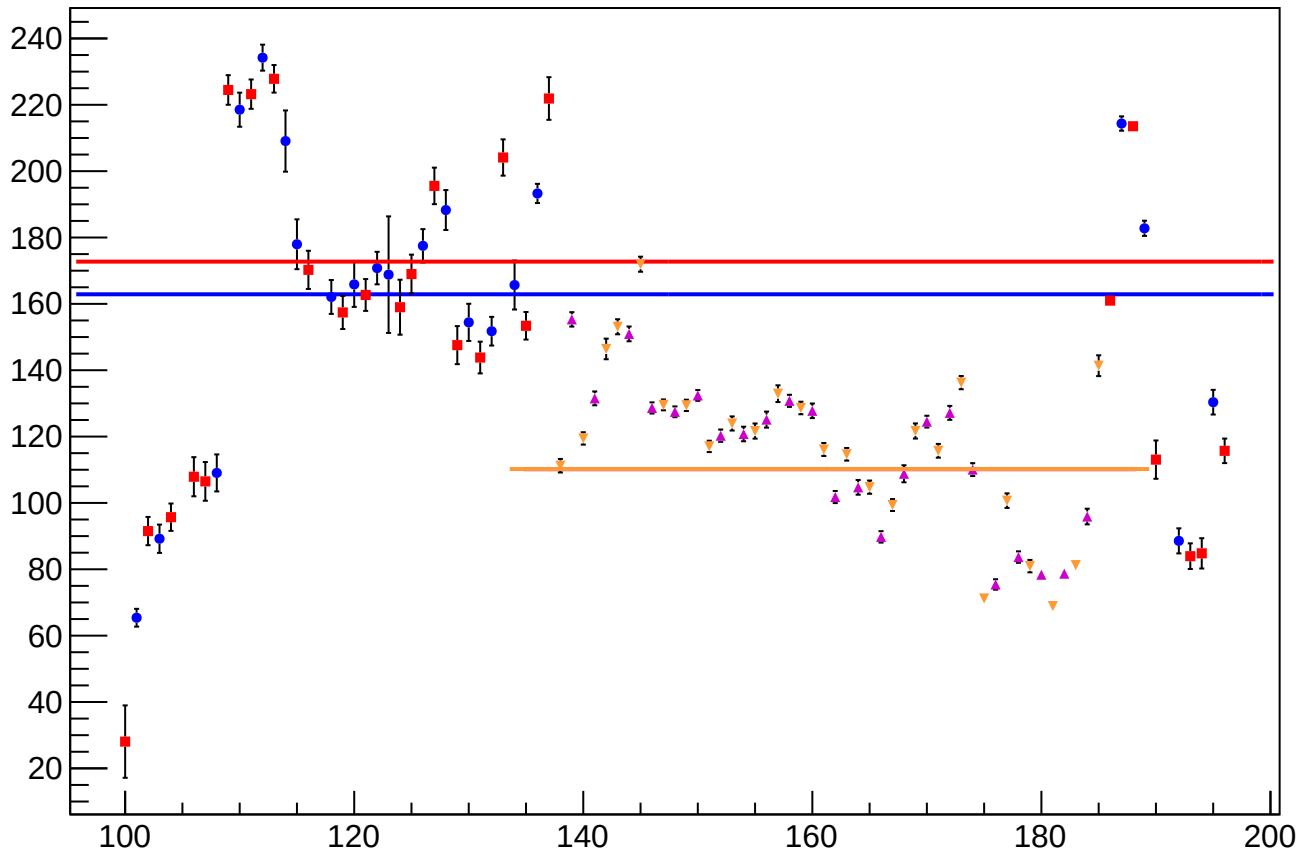
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.171 ± 0.262 $\chi^2/\text{NDF}: 1794.0/45$

All: 0.313 ± 0.187 $\chi^2/\text{NDF}: 3413.4/93$

- sign 0.459 ± 0.266 $\chi^2/\text{NDF}: 1618.8/47$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 162.887 ± 0.877 χ^2/NDF : 3441.5/20

Left Out: 110.213 ± 0.382 χ^2/NDF : 4593.7/24

Right Out: 172.734 ± 0.664 χ^2/NDF : 4342.1/24

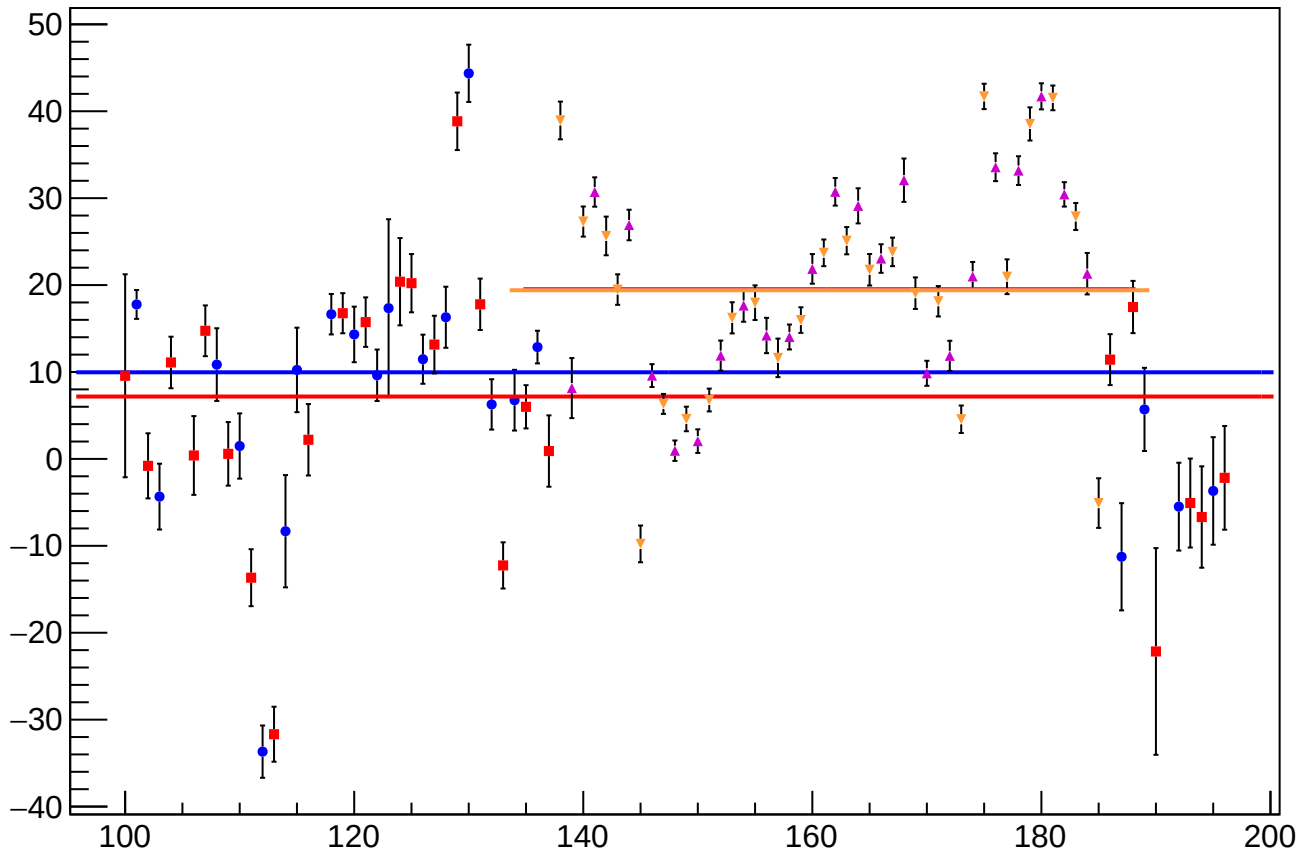
Left In: 110.171 ± 0.386 χ^2/NDF : 3702.6/22

+ sign 118.613 ± 0.350 χ^2/NDF : 11066.8/45

All: 122.470 ± 0.242 χ^2/NDF : 25977.9/93

- sign 125.971 ± 0.334 χ^2/NDF : 14679.8/47

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 9.966 ± 0.697 χ^2/NDF : 414.7/20

Left Out: 19.405 ± 0.335 χ^2/NDF : 1453.4/24

Right Out: 7.178 ± 0.688 χ^2/NDF : 457.2/24

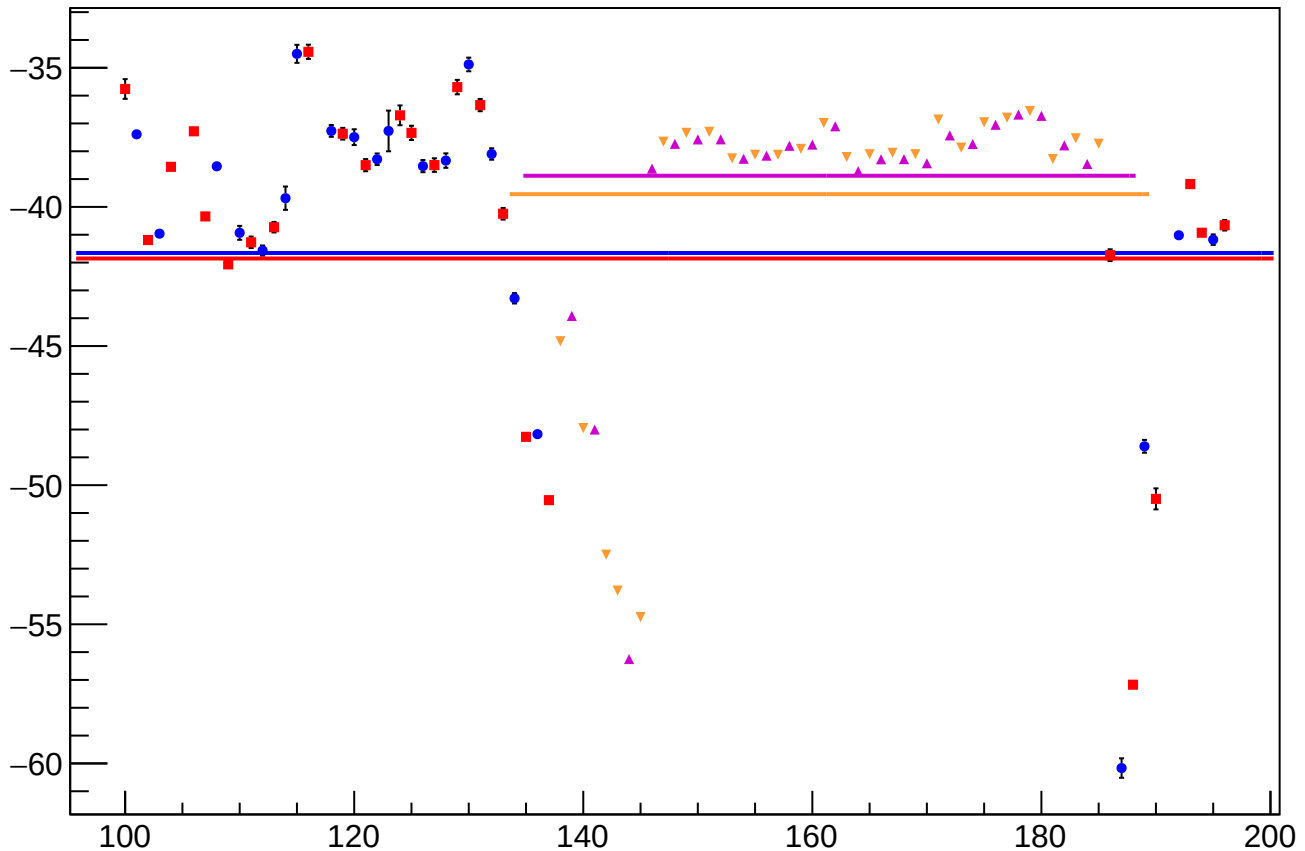
Left In: 19.530 ± 0.342 χ^2/NDF : 1181.3/22

+ sign 17.635 ± 0.302 χ^2/NDF : 2017.3/45

All: 17.360 ± 0.215 χ^2/NDF : 3915.9/93

- sign 17.076 ± 0.307 χ^2/NDF : 1896.9/47

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.656 ± 0.036 $\chi^2/\text{NDF}: 16316.2/20$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.853 ± 0.035 $\chi^2/\text{NDF}: 22558.4/24$

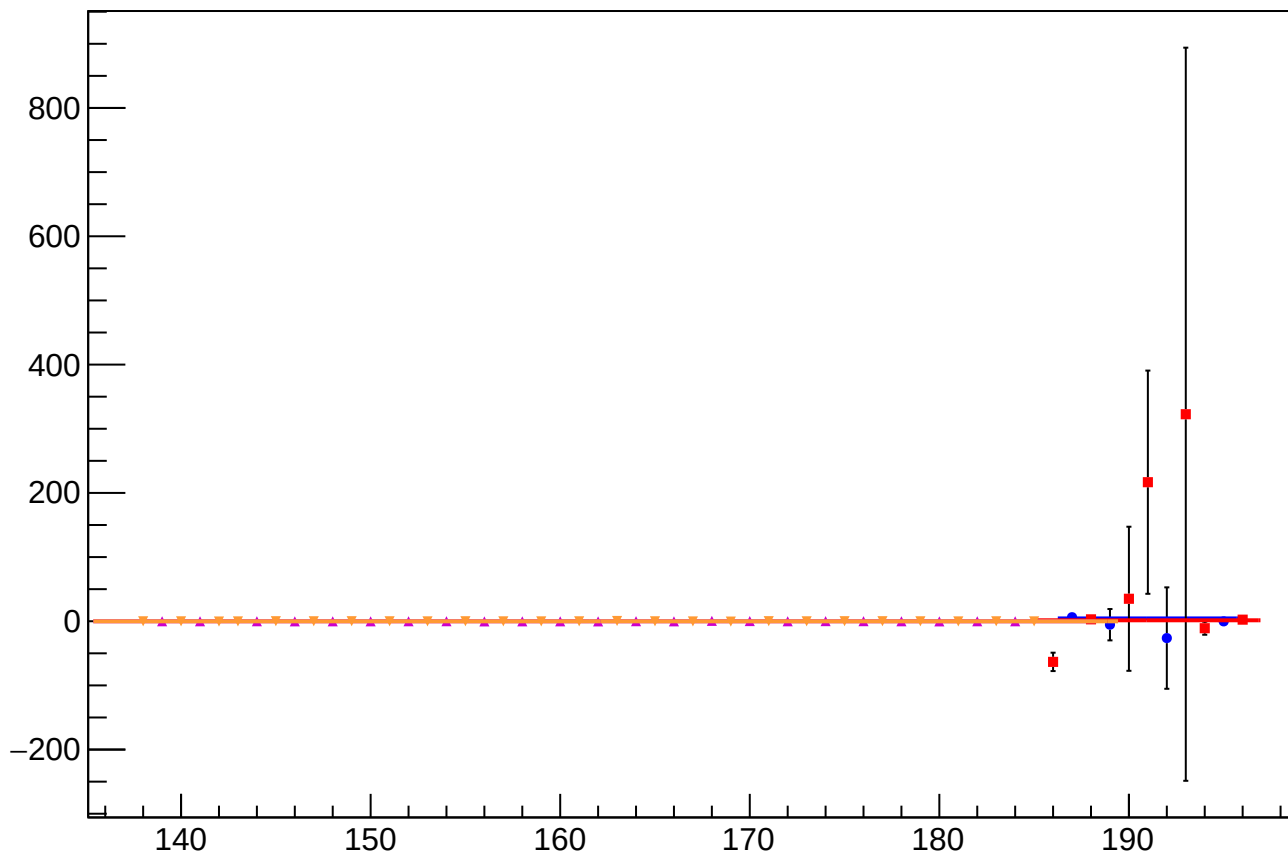
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.878 ± 0.014 $\chi^2/\text{NDF}: 111211.3/45$

All: -39.638 ± 0.010 $\chi^2/\text{NDF}: 193857.7/93$

- sign -39.398 ± 0.014 $\chi^2/\text{NDF}: 82093.2/47$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 4.372 ± 2.545 $\chi^2/\text{NDF}: 1.6/3$

Left Out: -0.095 ± 0.022 $\chi^2/\text{NDF}: 41.8/24$

Right Out: 1.486 ± 1.790 $\chi^2/\text{NDF}: 24.5/6$

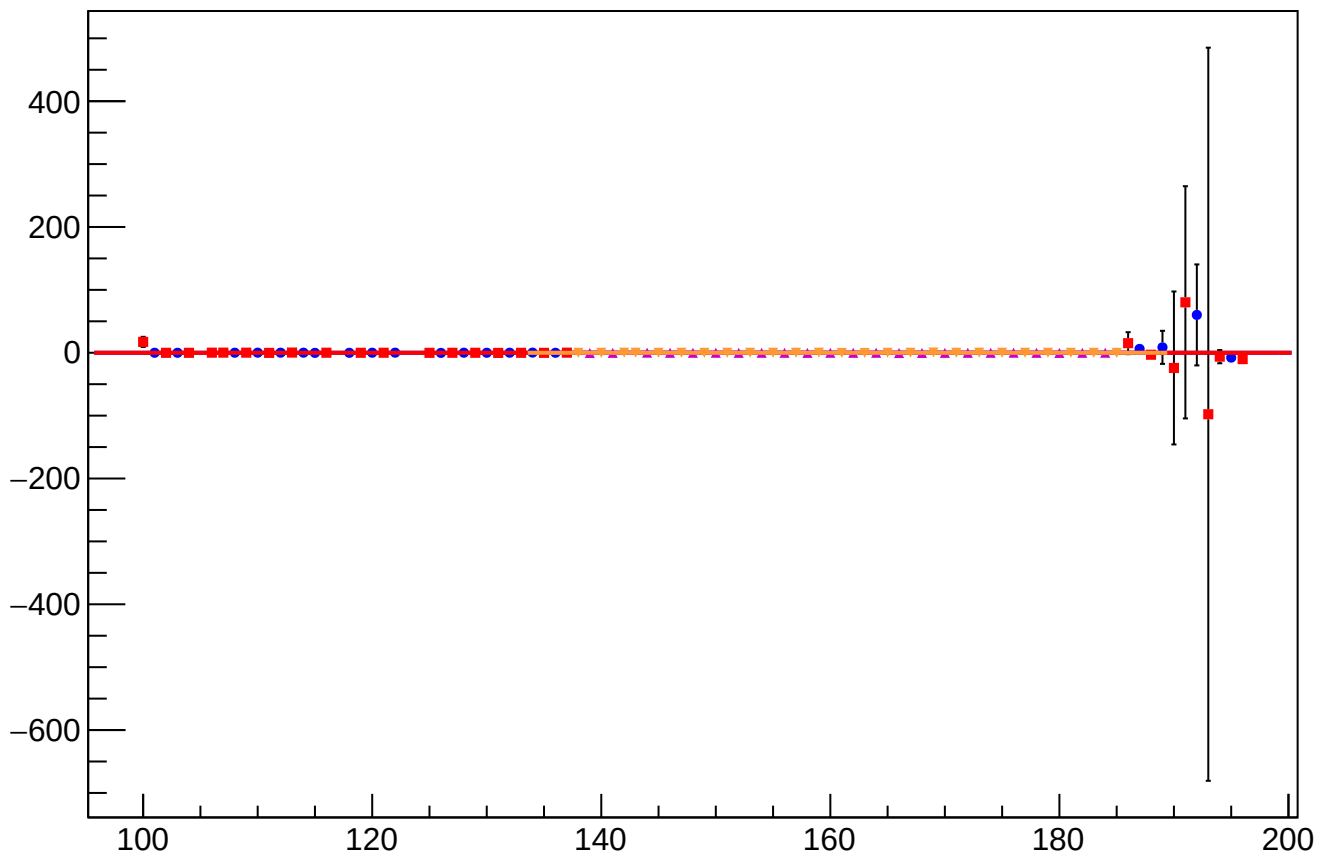
Left In: -0.026 ± 0.022 $\chi^2/\text{NDF}: 33.3/22$

+ sign -0.094 ± 0.022 $\chi^2/\text{NDF}: 46.5/28$

All: -0.061 ± 0.016 $\chi^2/\text{NDF}: 110.0/58$

- sign -0.025 ± 0.022 $\chi^2/\text{NDF}: 58.5/29$

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 16.7/19

Left Out: -0.078 ± 0.017 χ^2/NDF : 26.6/24

Right Out: -0.051 ± 0.029 χ^2/NDF : 30.8/24

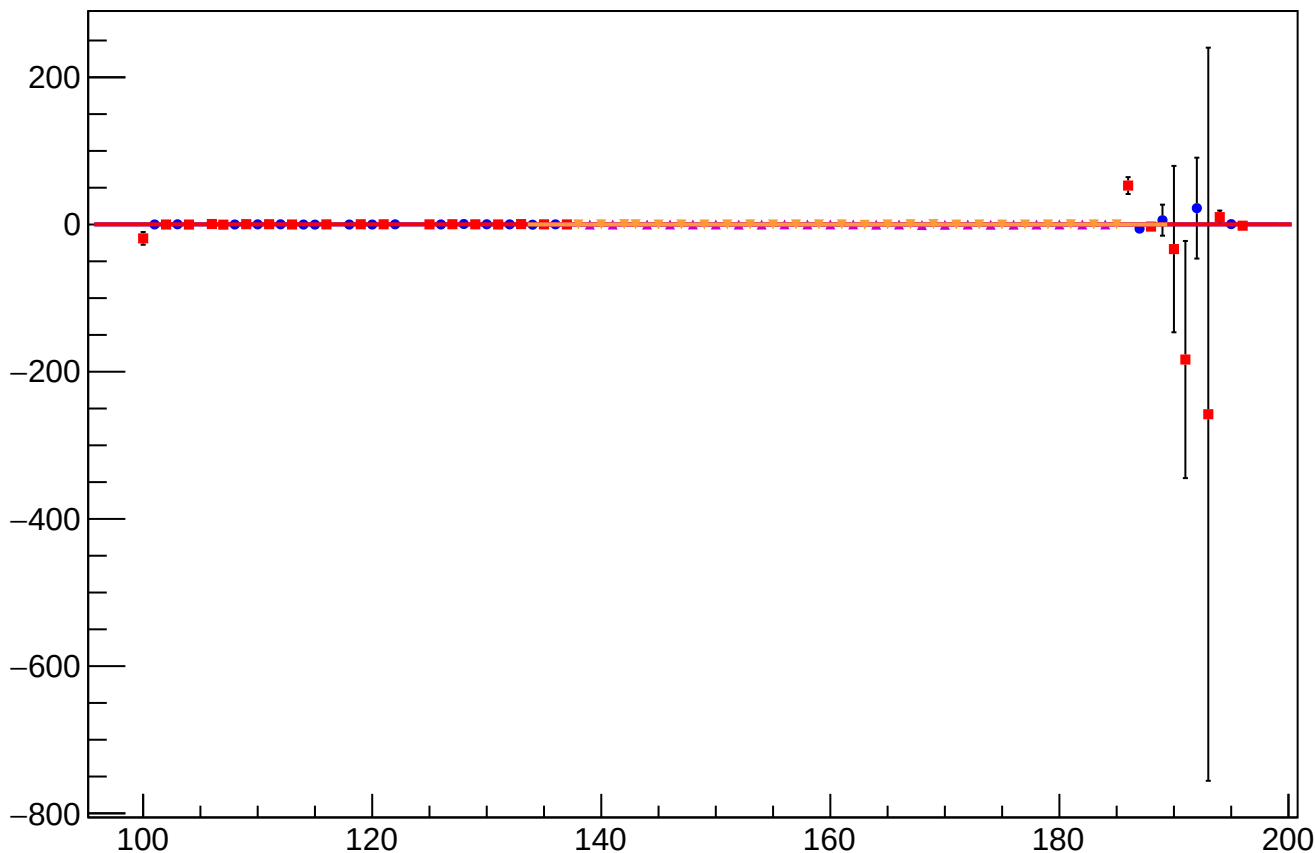
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.058 ± 0.015 χ^2/NDF : 48.5/44

All: -0.055 ± 0.010 χ^2/NDF : 111.1/92

- sign -0.052 ± 0.015 χ^2/NDF : 62.5/47

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 χ^2/NDF : 18.0/19

Left Out: 0.088 ± 0.022 χ^2/NDF : 40.7/24

Right Out: 0.233 ± 0.054 χ^2/NDF : 49.4/24

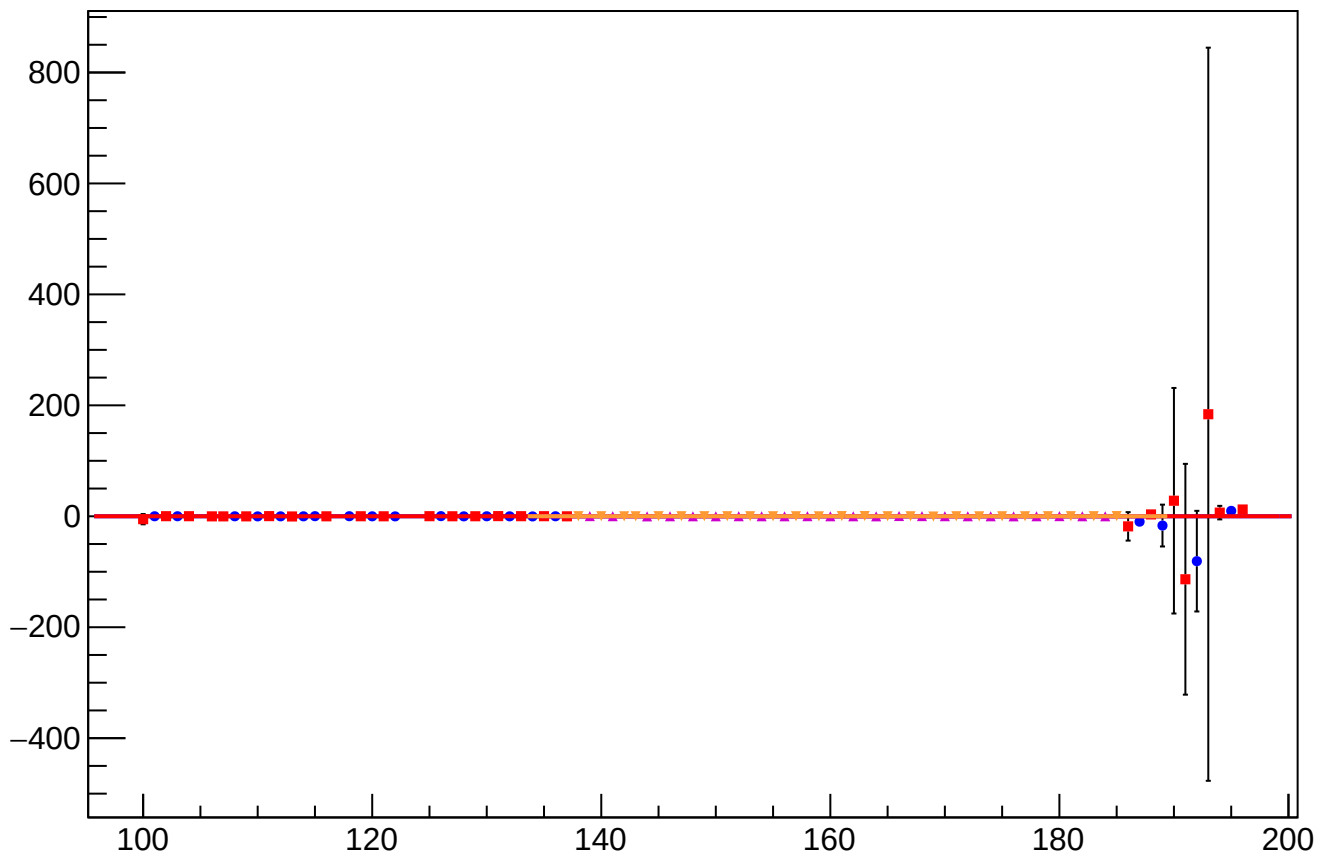
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.100 ± 0.020 χ^2/NDF : 60.9/44

All: 0.076 ± 0.014 χ^2/NDF : 162.1/92

- sign 0.051 ± 0.021 χ^2/NDF : 98.3/47

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.006 ± 0.033 $\chi^2/\text{NDF}: 19.0/19$

Left Out: 0.102 ± 0.019 $\chi^2/\text{NDF}: 30.2/24$

Right Out: 0.057 ± 0.034 $\chi^2/\text{NDF}: 25.2/24$

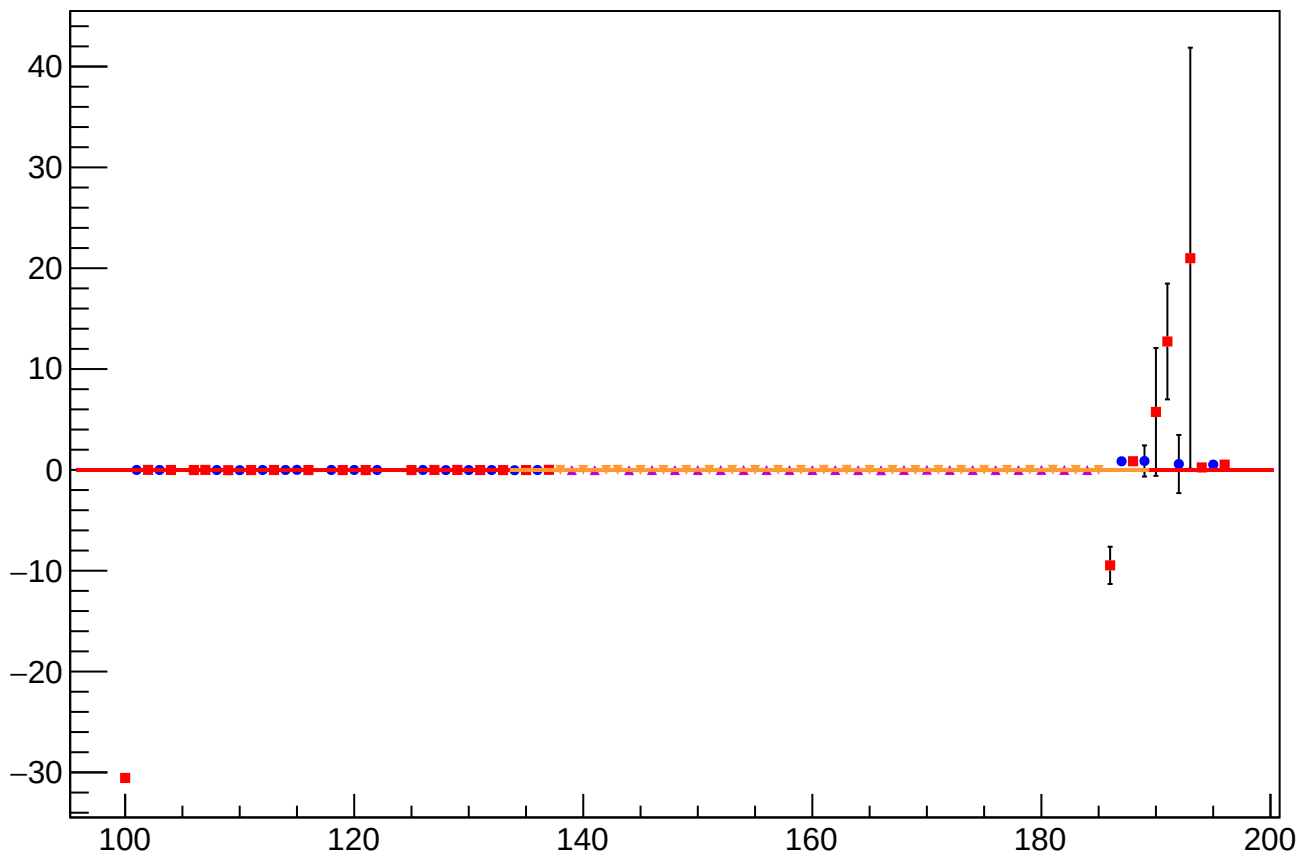
Left In: 0.069 ± 0.020 $\chi^2/\text{NDF}: 31.3/22$

+ sign 0.074 ± 0.017 $\chi^2/\text{NDF}: 57.3/44$

All: 0.070 ± 0.012 $\chi^2/\text{NDF}: 114.0/92$

- sign 0.066 ± 0.017 $\chi^2/\text{NDF}: 56.6/47$

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 24.9/19

Left Out: -0.008 ± 0.001 χ^2/NDF : 34.7/24

Right Out: -0.012 ± 0.002 χ^2/NDF : 11943.3/24

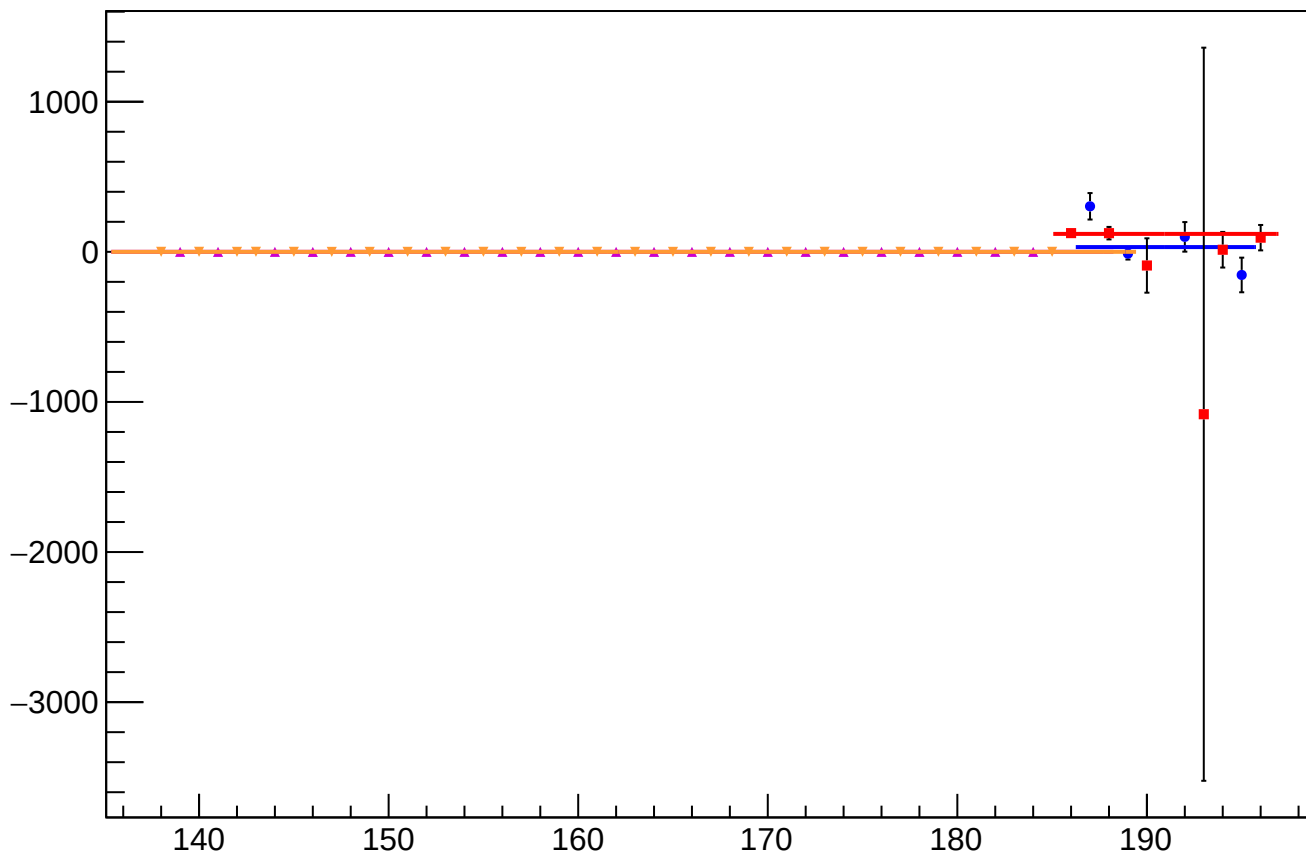
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.008 ± 0.001 χ^2/NDF : 64.0/44

All: -0.009 ± 0.001 χ^2/NDF : 12051.4/92

- sign -0.009 ± 0.001 χ^2/NDF : 11986.6/47

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 31.698+/-32.467 χ^2/NDF : 13.8/3

Left Out: 0.017+/-0.027 χ^2/NDF :30.9/24

Right Out: 119.474+/-16.572 χ^2/NDF : 2.6/5

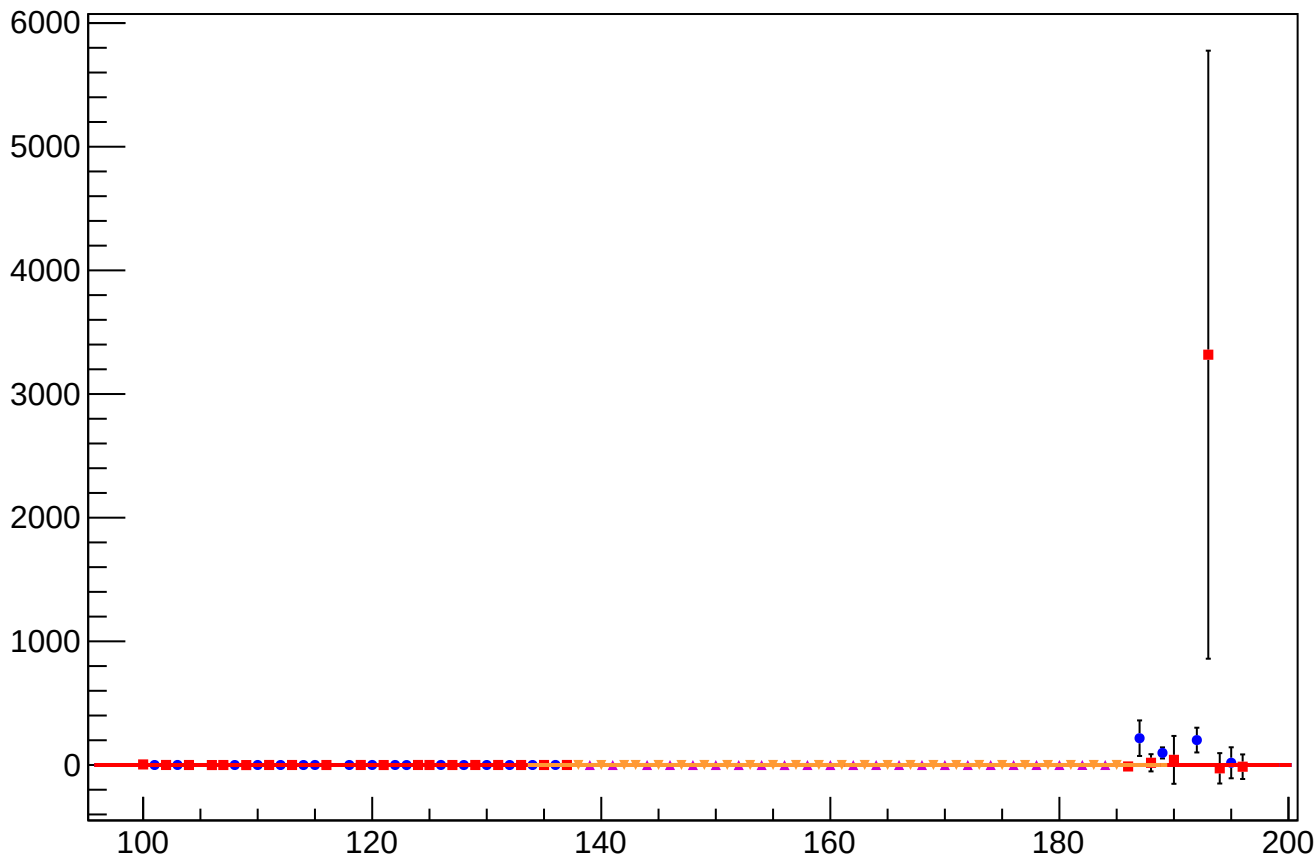
Left In: 0.002+/-0.028 χ^2/NDF :29.0/22

+ sign 0.017+/-0.027 χ^2/NDF : 45.7/28

All: 0.010+/-0.019 χ^2/NDF : 129.4/57

- sign 0.003+/-0.028 χ^2/NDF : 83.5/28

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 34.0/20

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 20.7/24

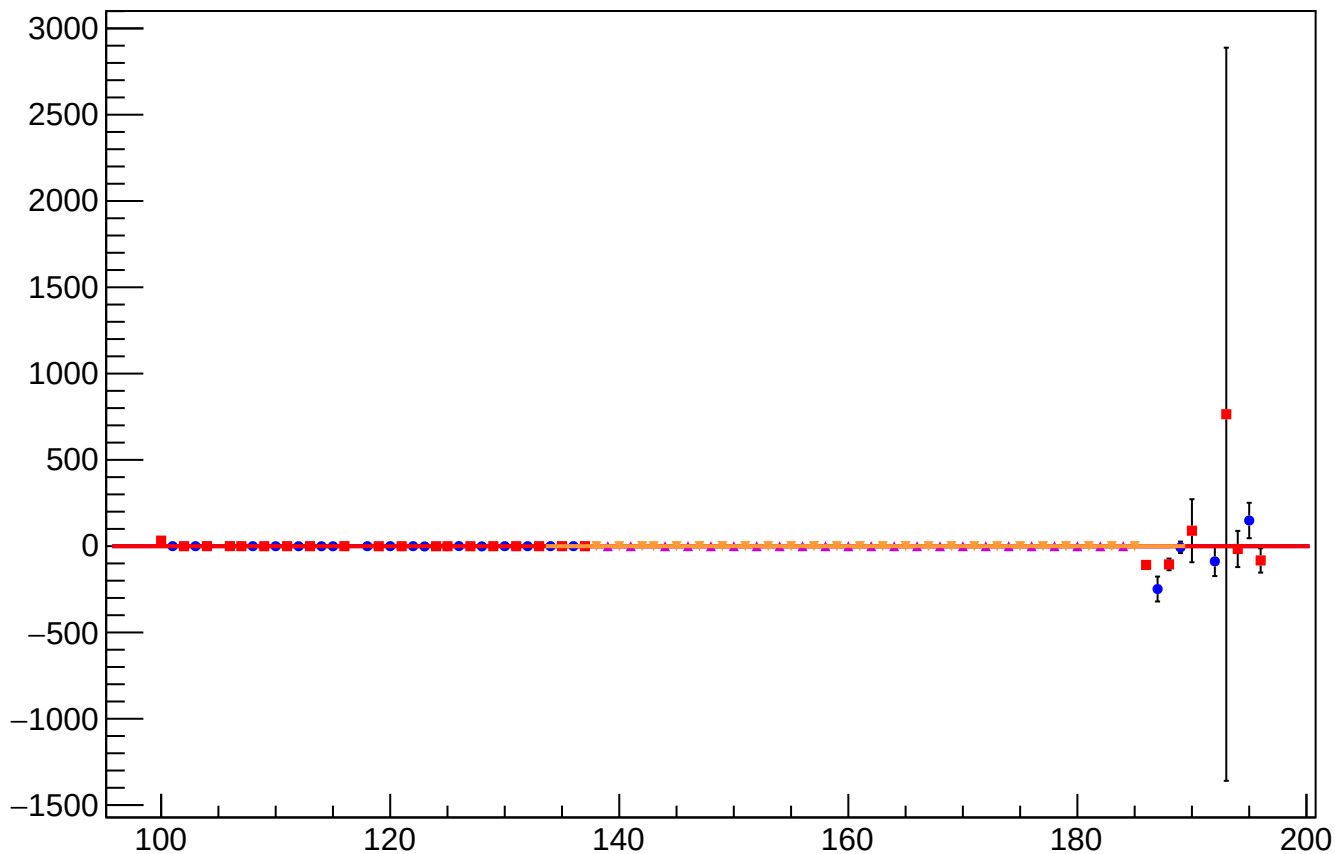
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 59.5/45

All: -0.066 ± 0.013 χ^2/NDF : 131.9/93

- sign -0.083 ± 0.019 χ^2/NDF : 70.9/47

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 39.8/20

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 77.6/24

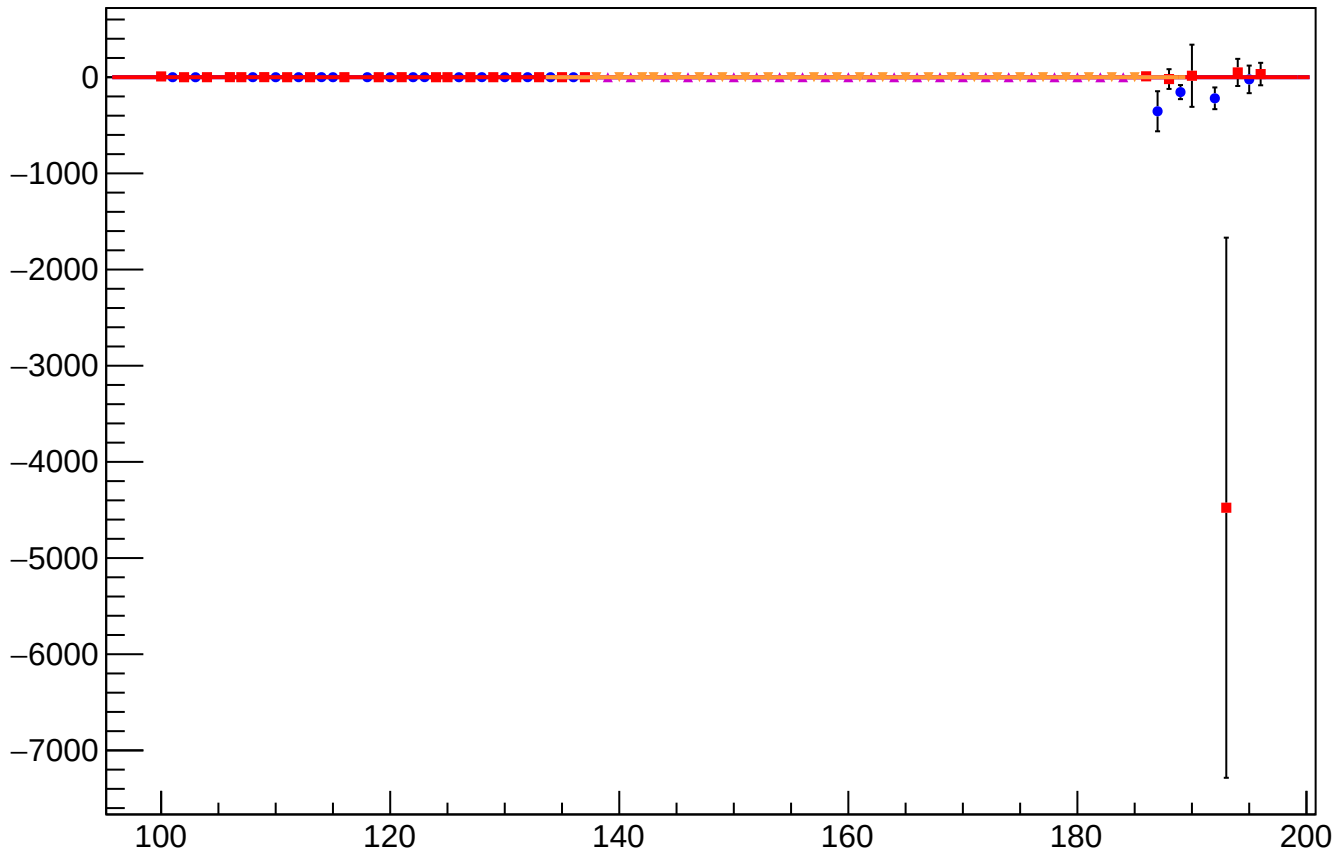
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 71.4/45

All: -0.042 ± 0.018 χ^2/NDF : 180.8/93

- sign -0.050 ± 0.026 χ^2/NDF : 109.2/47

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 ± 0.043 χ^2/NDF : 32.8/20

Left Out: 0.063 ± 0.024 χ^2/NDF : 24.6/24

Right Out: 0.144 ± 0.045 χ^2/NDF : 19.7/24

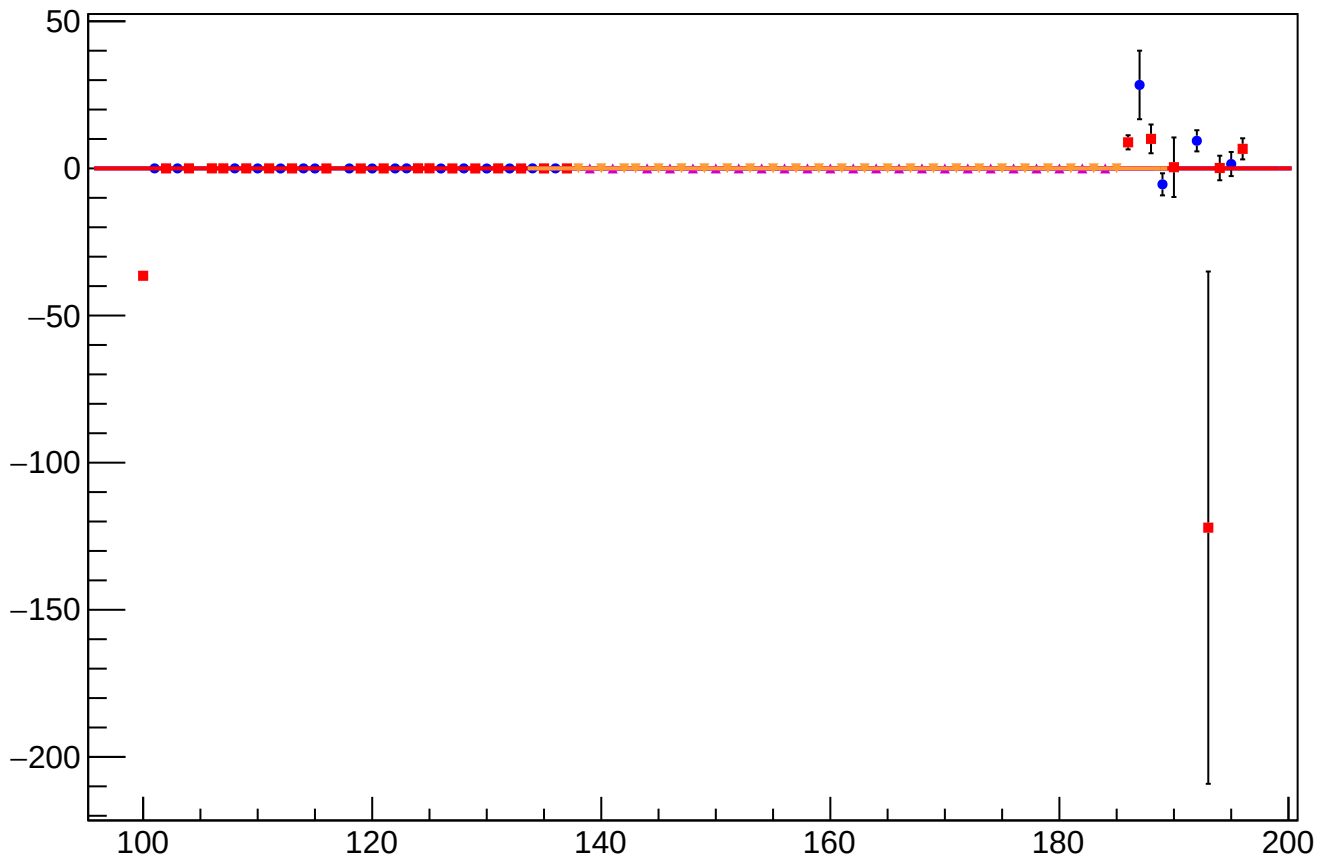
Left In: 0.069 ± 0.025 χ^2/NDF : 51.8/22

+ sign 0.052 ± 0.021 χ^2/NDF : 58.2/45

All: 0.069 ± 0.015 χ^2/NDF : 133.1/93

- sign 0.086 ± 0.022 χ^2/NDF : 73.6/47

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 45.4/20

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10472.3/24

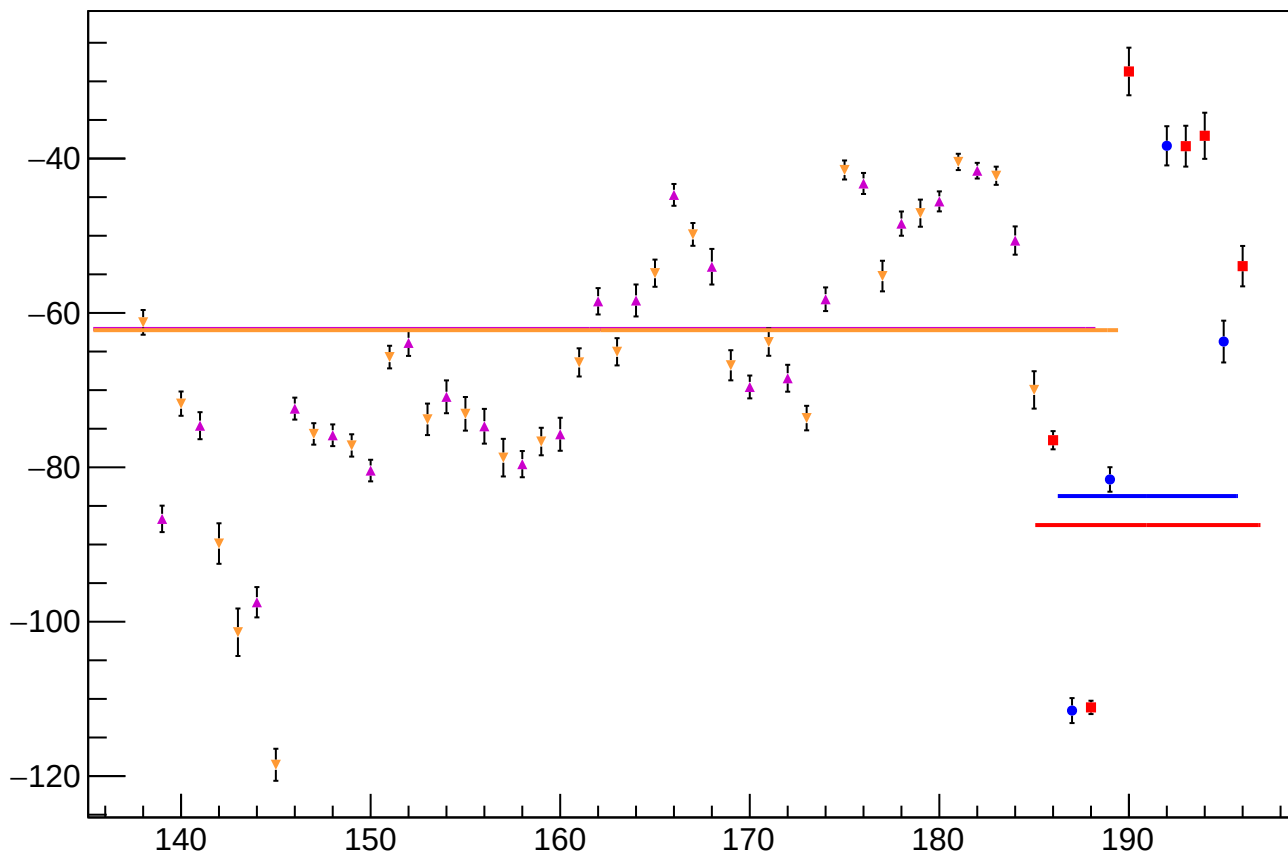
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 79.8/45

All: 0.007 ± 0.001 χ^2/NDF : 10577.6/93

- sign 0.007 ± 0.001 χ^2/NDF : 10497.7/47

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -83.722 $\pm$ 0.966 χ^2 /NDF: 671.0/3

Left Out: -62.232 $\pm$ 0.332 χ^2 /NDF:2668.5/24

Right Out: -87.480 $\pm$ 0.624 χ^2 /NDF: 1990.3/5

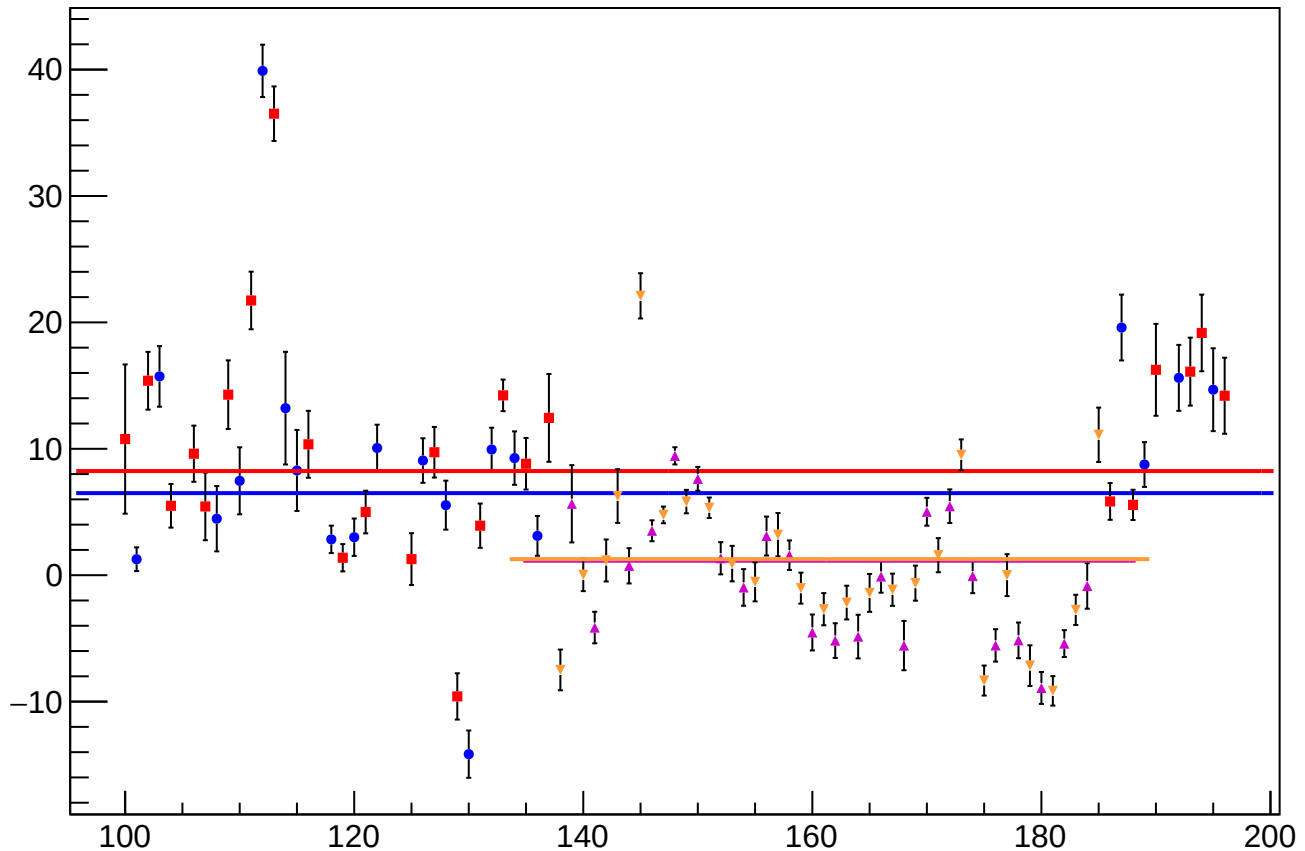
Left In: -62.073 $\pm$ 0.332 χ^2 /NDF:2192.0/22

+ sign -64.499 $\pm$ 0.314 χ^2 /NDF: 3781.8/28

All: -66.199 $\pm$ 0.214 χ^2 /NDF: 9309.4/57

- sign -67.682 $\pm$ 0.293 χ^2 /NDF: 5472.7/28

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 6.493 ± 0.404 χ^2/NDF : 509.6/19

Left Out: 1.269 ± 0.251 χ^2/NDF : 531.9/24

Right Out: 8.239 ± 0.393 χ^2/NDF : 445.8/23

Left In: 1.146 ± 0.255 χ^2/NDF : 462.9/22

+ sign 2.721 ± 0.213 χ^2/NDF : 1162.1/44

All: 2.985 ± 0.151 χ^2/NDF : 2302.9/91

- sign 3.251 ± 0.214 χ^2/NDF : 1137.7/46

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 93.560 $\pm$ 0.575 χ^2 /NDF: 4038.6/19

Left Out: 61.812 $\pm$ 0.331 χ^2 /NDF:2686.4/24

Right Out: 93.515 $\pm$ 0.435 χ^2 /NDF: 5636.3/23

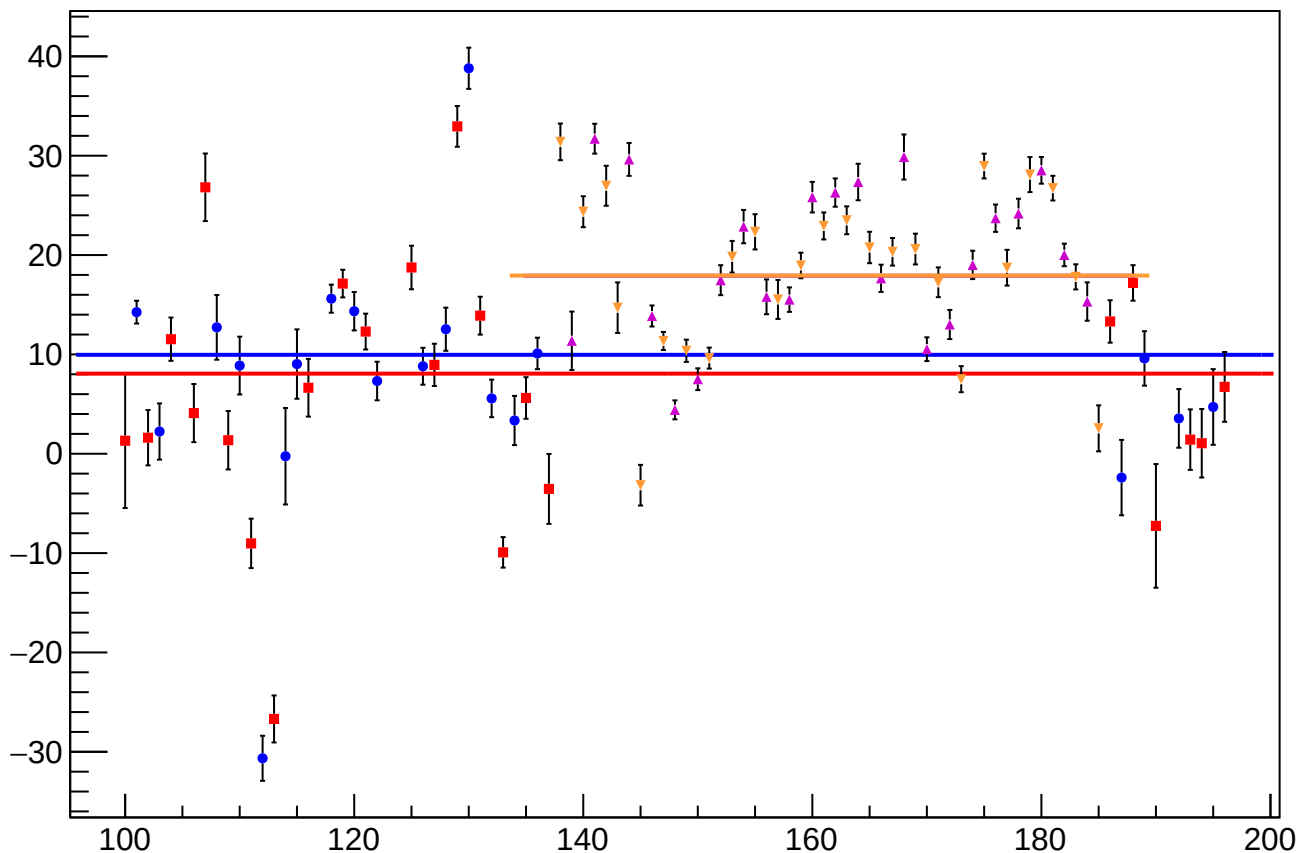
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF:2418.2/22

+ sign 69.709 $\pm$ 0.287 χ^2 /NDF: 9018.4/44

All: 71.682 $\pm$ 0.194 χ^2 /NDF: 20537.9/91

- sign 73.344 $\pm$ 0.263 χ^2 /NDF: 11432.2/46

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 9.958 ± 0.476 $\chi^2/\text{NDF}: 596.1/19$

Left Out: 17.937 ± 0.289 $\chi^2/\text{NDF}: 676.0/24$

Right Out: 8.064 ± 0.473 $\chi^2/\text{NDF}: 735.1/23$

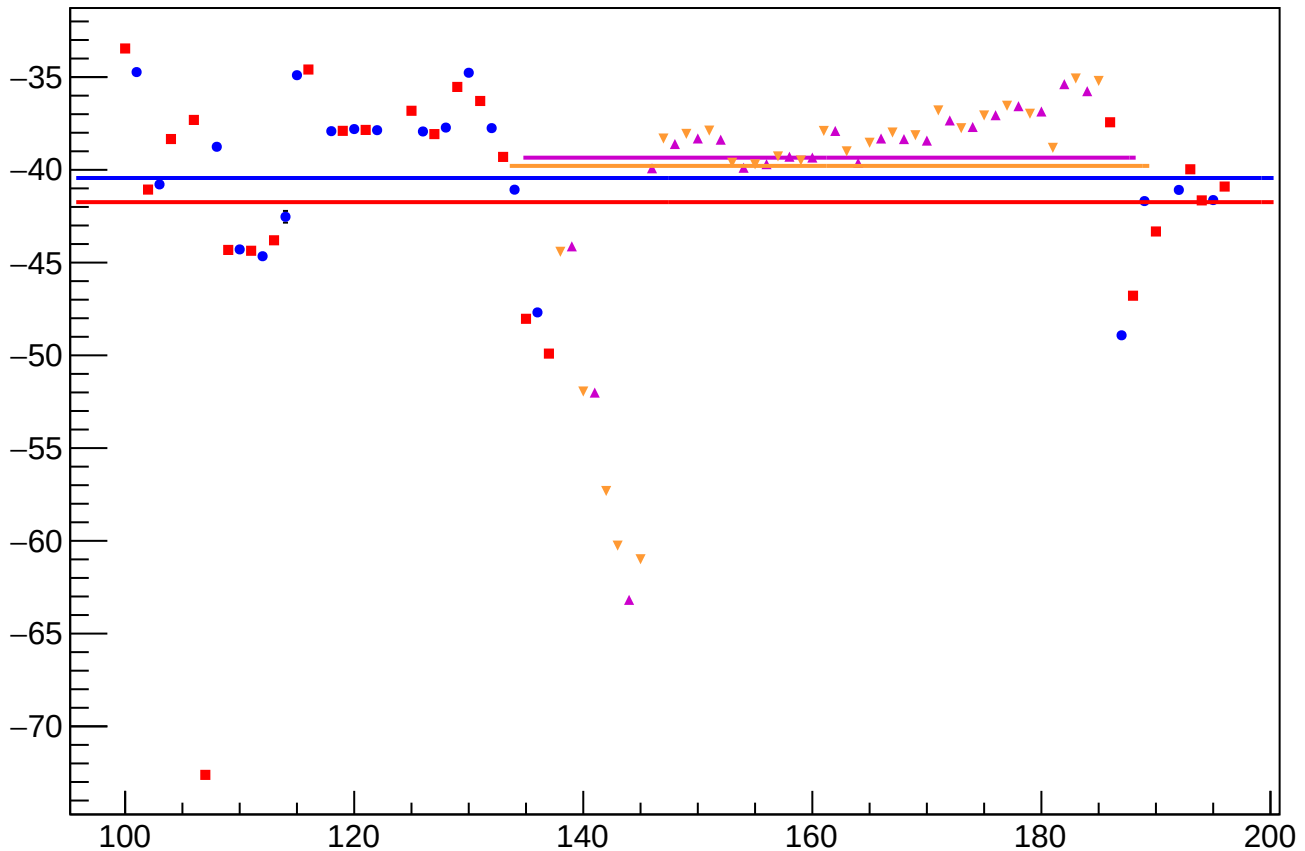
Left In: 17.916 ± 0.292 $\chi^2/\text{NDF}: 726.5/22$

+ sign 15.788 ± 0.247 $\chi^2/\text{NDF}: 1477.6/44$

All: 15.492 ± 0.175 $\chi^2/\text{NDF}: 3256.0/91$

- sign 15.193 ± 0.249 $\chi^2/\text{NDF}: 1775.5/46$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.440 ± 0.026 $\chi^2/\text{NDF}: 27012.4/19$

Left Out: -39.788 ± 0.014 $\chi^2/\text{NDF}: 165493.8/24$

Right Out: -41.741 ± 0.024 $\chi^2/\text{NDF}: 65980.3/23$

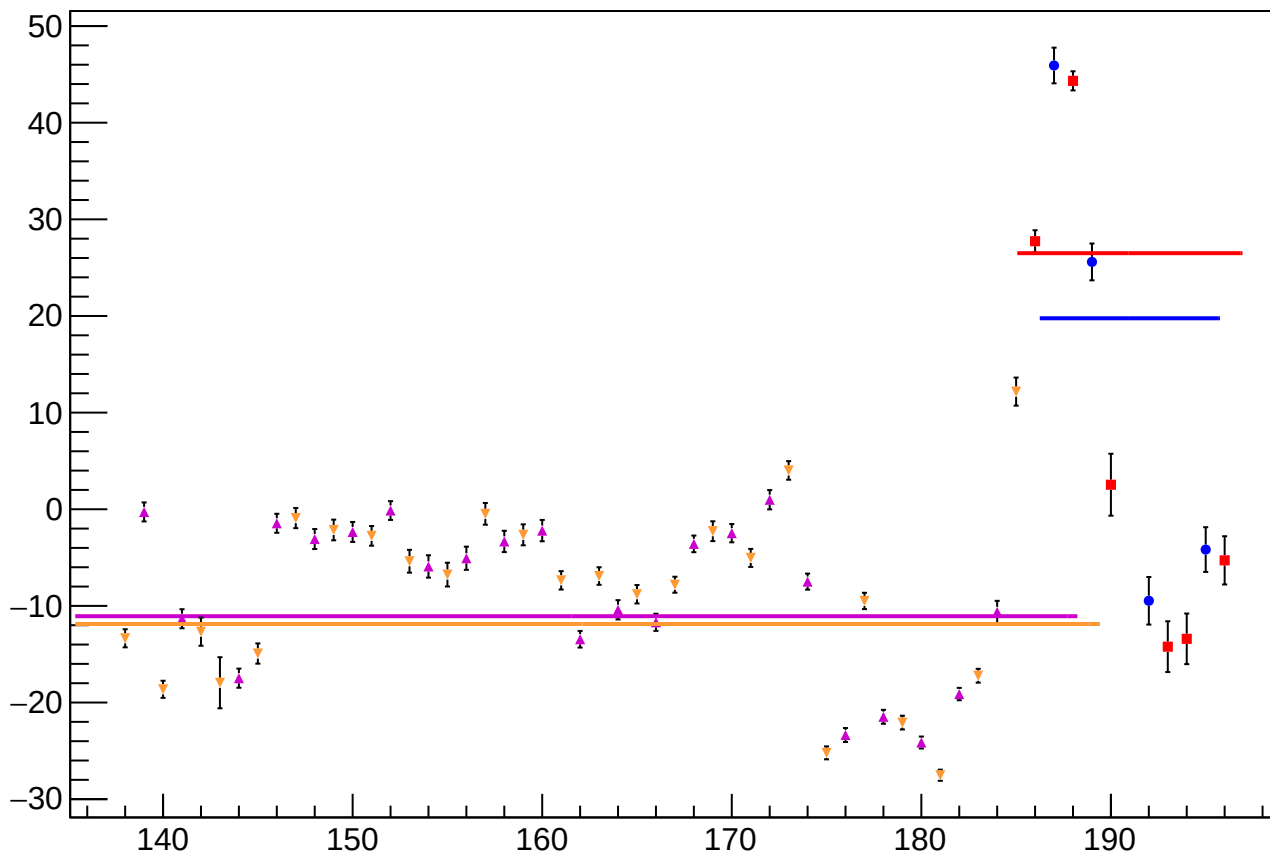
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.931 ± 0.012 $\chi^2/\text{NDF}: 193009.2/44$

All: -39.924 ± 0.008 $\chi^2/\text{NDF}: 383041.5/91$

- sign -39.917 ± 0.012 $\chi^2/\text{NDF}: 190031.6/46$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 19.762 ± 1.042 $\chi^2/\text{NDF}: 458.3/3$

Left Out: -11.873 ± 0.186 $\chi^2/\text{NDF}: 2745.2/24$

Right Out: 26.499 ± 0.653 $\chi^2/\text{NDF}: 1016.0/5$

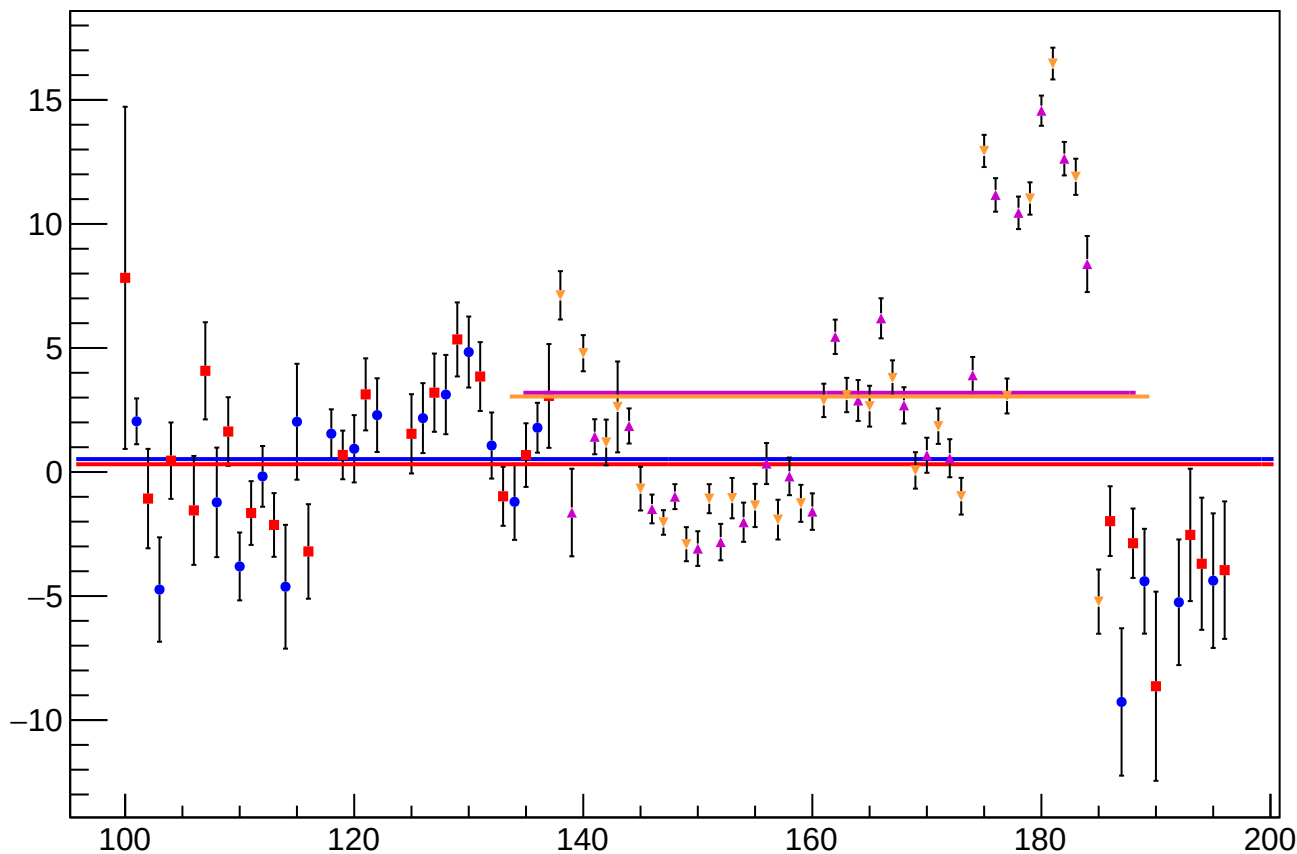
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -10.893 ± 0.183 $\chi^2/\text{NDF}: 4096.4/28$

All: -9.521 ± 0.129 $\chi^2/\text{NDF}: 10383.6/57$

- sign -8.192 ± 0.181 $\chi^2/\text{NDF}: 6177.3/28$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.521 ± 0.330 χ^2/NDF : 68.1/19

Left Out: 3.044 ± 0.147 χ^2/NDF : 1457.3/24

Right Out: 0.313 ± 0.325 χ^2/NDF : 64.2/23

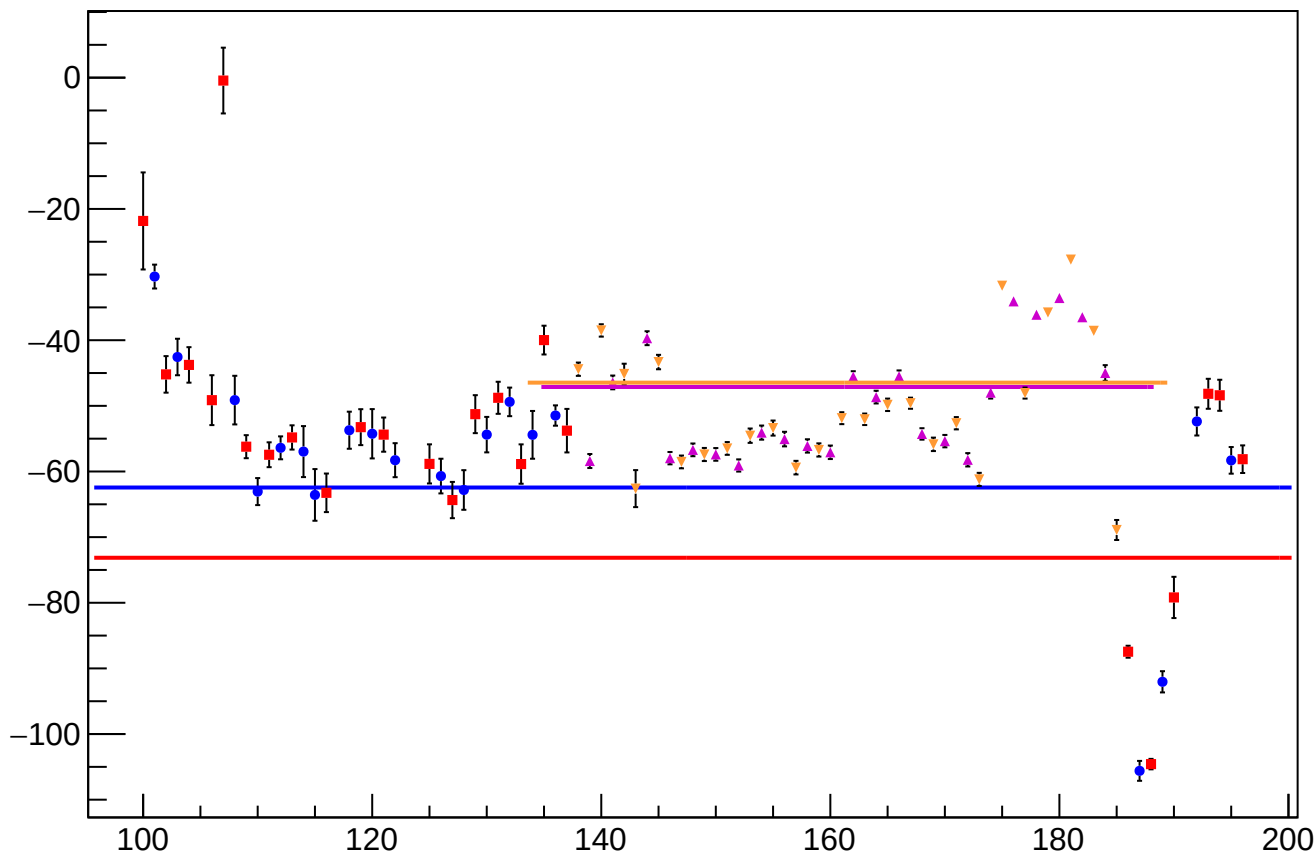
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.625 ± 0.135 χ^2/NDF : 1574.0/44

All: 2.656 ± 0.096 χ^2/NDF : 2998.2/91

- sign 2.687 ± 0.136 χ^2/NDF : 1424.1/46

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -62.441 ± 0.505 $\chi^2/\text{NDF}: 1679.9/19$

Left Out: -46.463 ± 0.186 $\chi^2/\text{NDF}: 3319.7/24$

Right Out: -73.143 ± 0.405 $\chi^2/\text{NDF}: 3452.7/23$

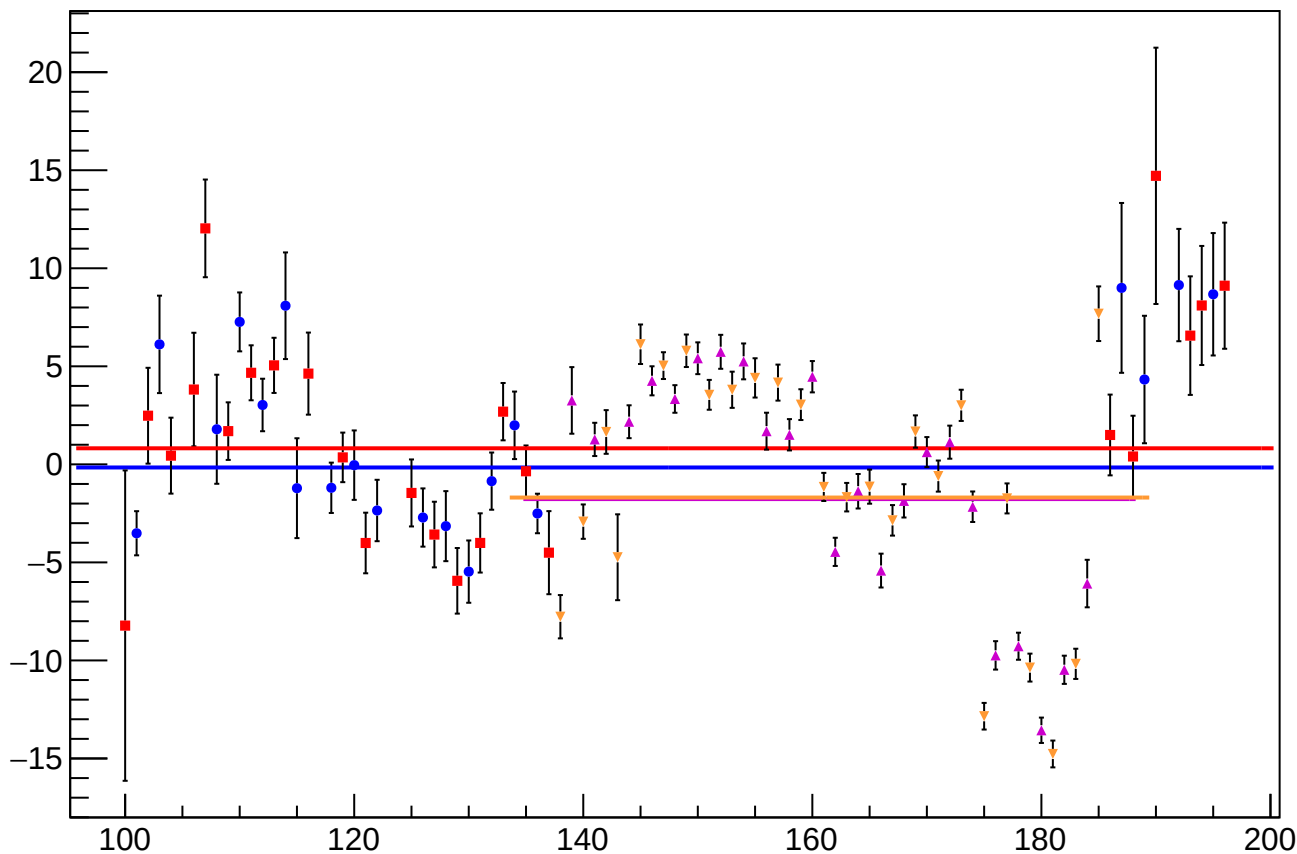
Left In: -47.128 ± 0.187 $\chi^2/\text{NDF}: 2516.0/22$

+ sign -48.373 ± 0.175 $\chi^2/\text{NDF}: 5880.0/44$

All: -50.087 ± 0.122 $\chi^2/\text{NDF}: 15438.4/91$

- sign -51.710 ± 0.170 $\chi^2/\text{NDF}: 9370.9/46$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.159 ± 0.377 χ^2/NDF : 106.9/19

Left Out: -1.693 ± 0.167 χ^2/NDF : 1485.7/24

Right Out: 0.819 ± 0.377 χ^2/NDF : 117.9/23

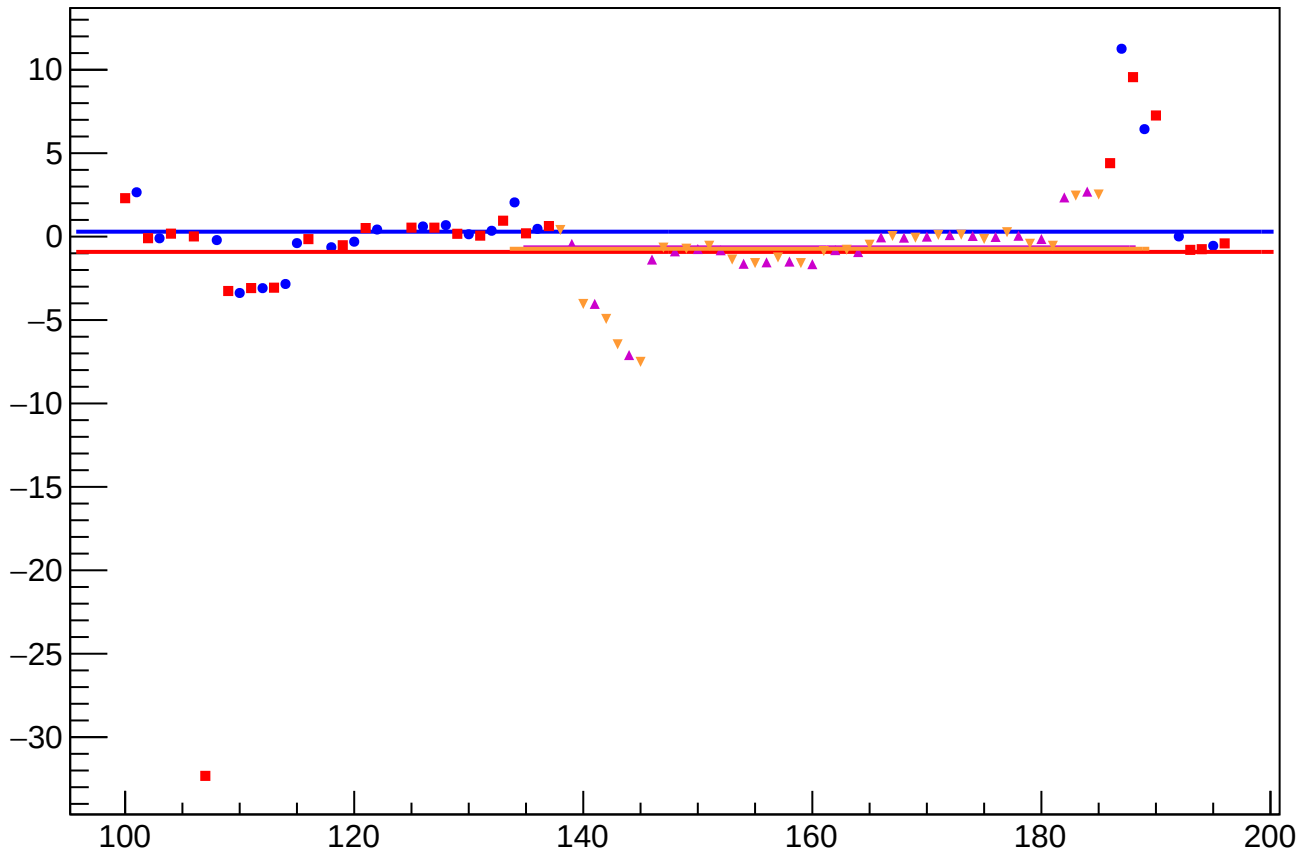
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.443 ± 0.152 χ^2/NDF : 1606.5/44

All: -1.391 ± 0.108 χ^2/NDF : 3015.3/91

- sign -1.337 ± 0.154 χ^2/NDF : 1408.6/46

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.295 ± 0.020 χ^2/NDF : 9192.3/19

Left Out: -0.728 ± 0.008 χ^2/NDF : 56403.8/24

Right Out: -0.916 ± 0.020 χ^2/NDF : 92263.0/23

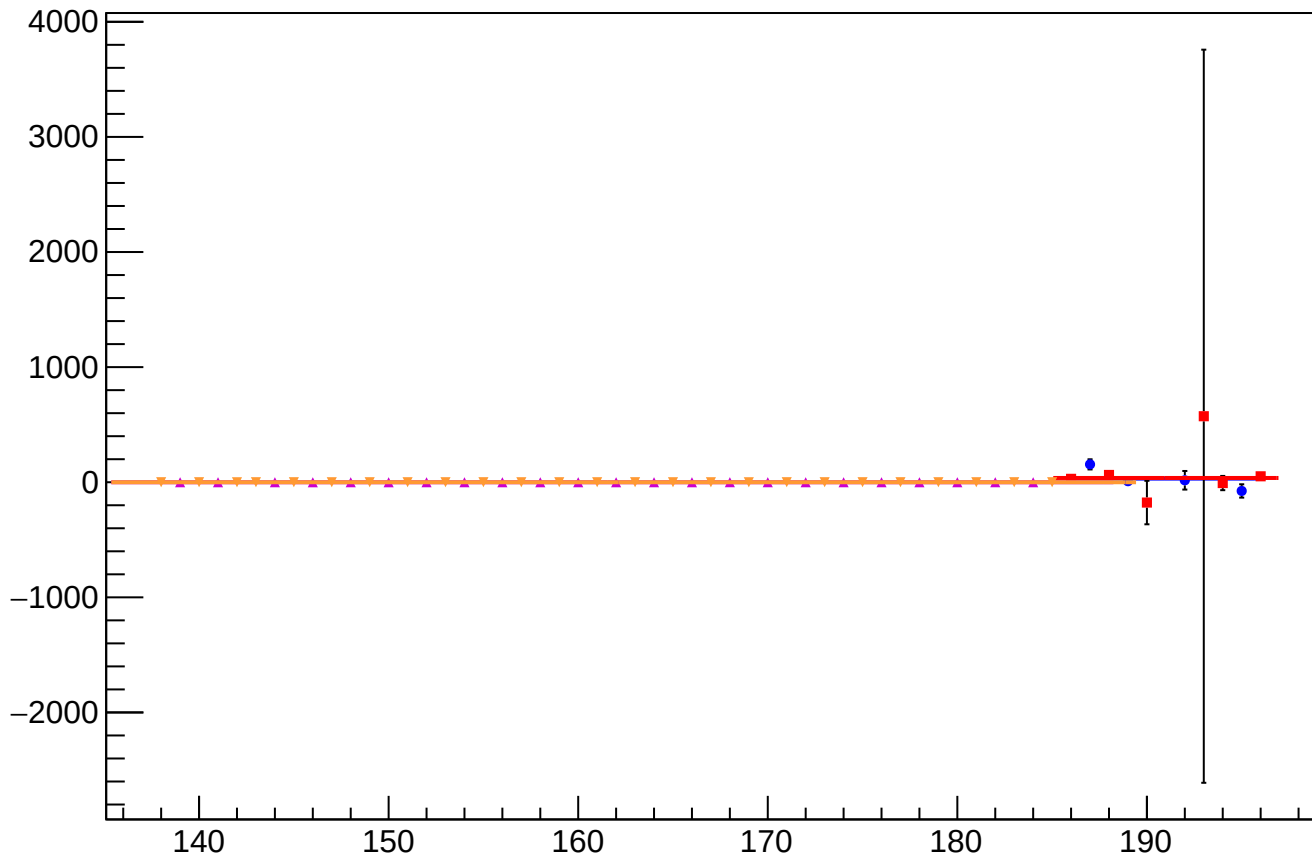
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.600 ± 0.007 χ^2/NDF : 67839.0/44

All: -0.640 ± 0.005 χ^2/NDF : 204500.2/91

- sign -0.680 ± 0.007 χ^2/NDF : 136598.9/46

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 31.708 $\pm$ 21.158 χ^2 /NDF: 12.0/3

Left Out: -0.036 $\pm$ 0.018 χ^2 /NDF: 35.6/24

Right Out: 37.022 $\pm$ 10.011 χ^2 /NDF: 3.9/5

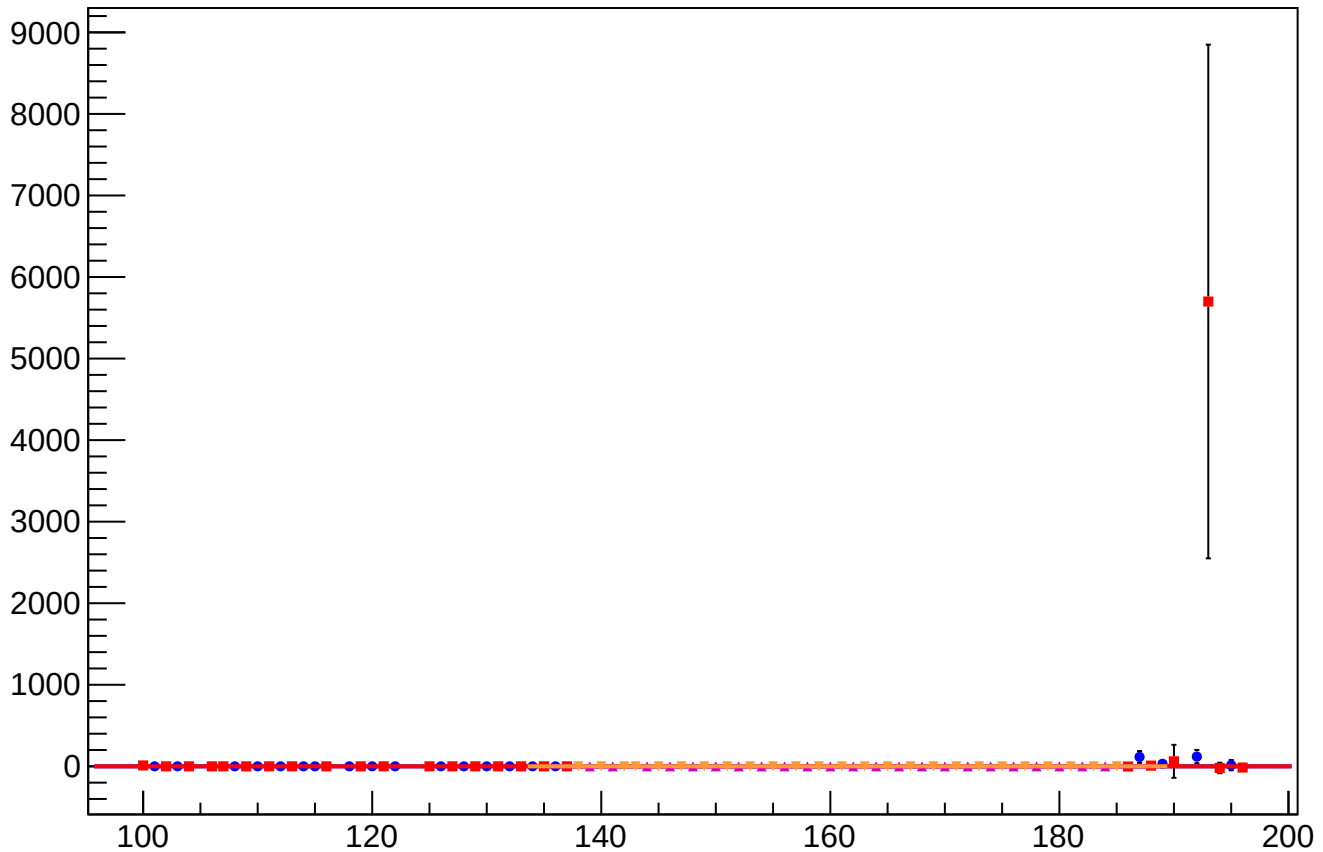
Left In: -0.010 $\pm$ 0.018 χ^2 /NDF: 35.1/22

+ sign -0.036 $\pm$ 0.018 χ^2 /NDF: 49.8/28

All: -0.023 $\pm$ 0.013 χ^2 /NDF: 103.6/57

- sign -0.010 $\pm$ 0.018 χ^2 /NDF: 52.7/28

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 17.7/19

Left Out: -0.071 $\pm$ 0.014 χ^2 /NDF: 28.3/24

Right Out: -0.088 $\pm$ 0.025 χ^2 /NDF: 16.6/23

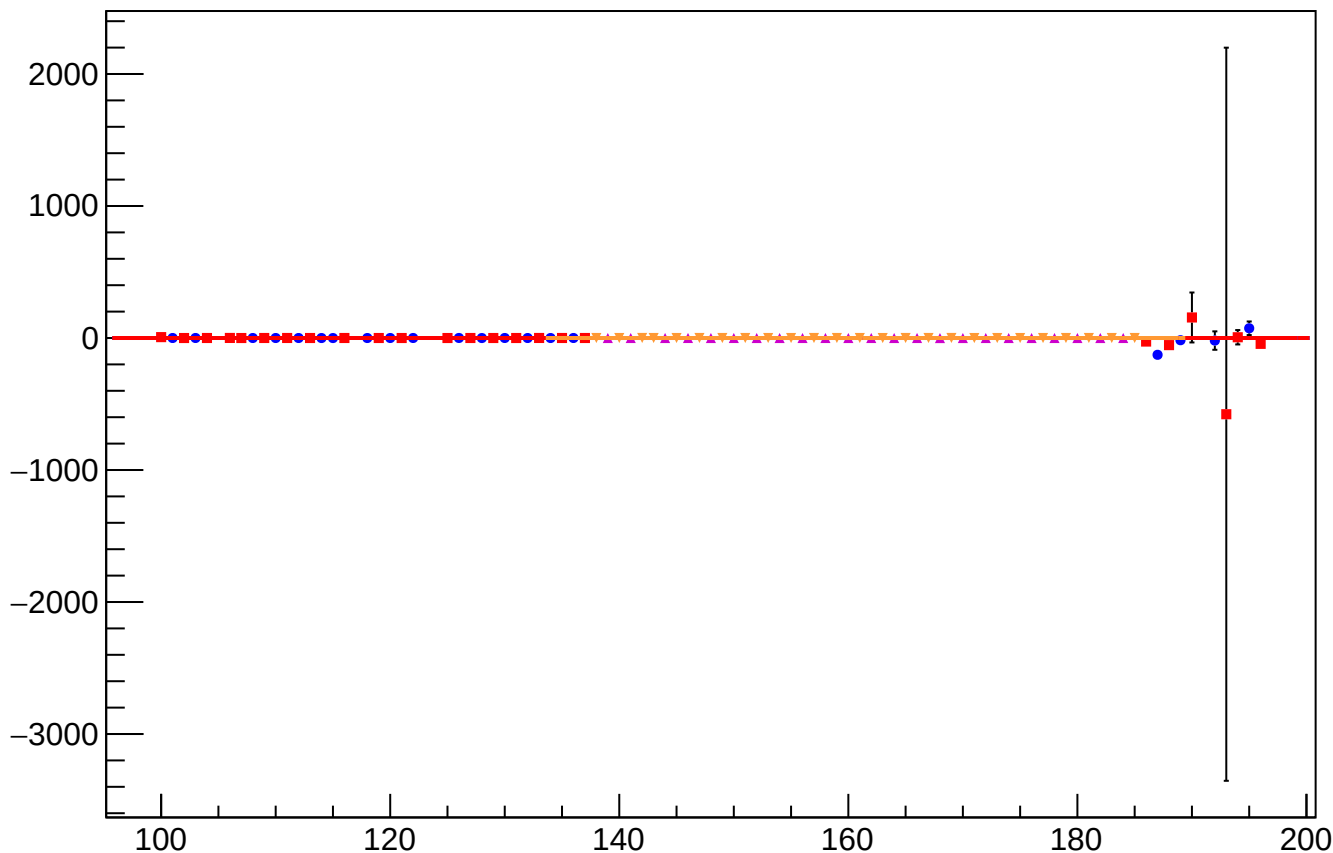
Left In: -0.064 $\pm$ 0.014 χ^2 /NDF: 41.1/22

+ sign -0.056 $\pm$ 0.012 χ^2 /NDF: 50.5/44

All: -0.063 $\pm$ 0.009 χ^2 /NDF: 109.4/91

- sign -0.070 $\pm$ 0.012 χ^2 /NDF: 58.3/46

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 24.1/19

Left Out: 0.033 $\pm$ 0.018 χ^2 /NDF:32.6/24

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 29.3/23

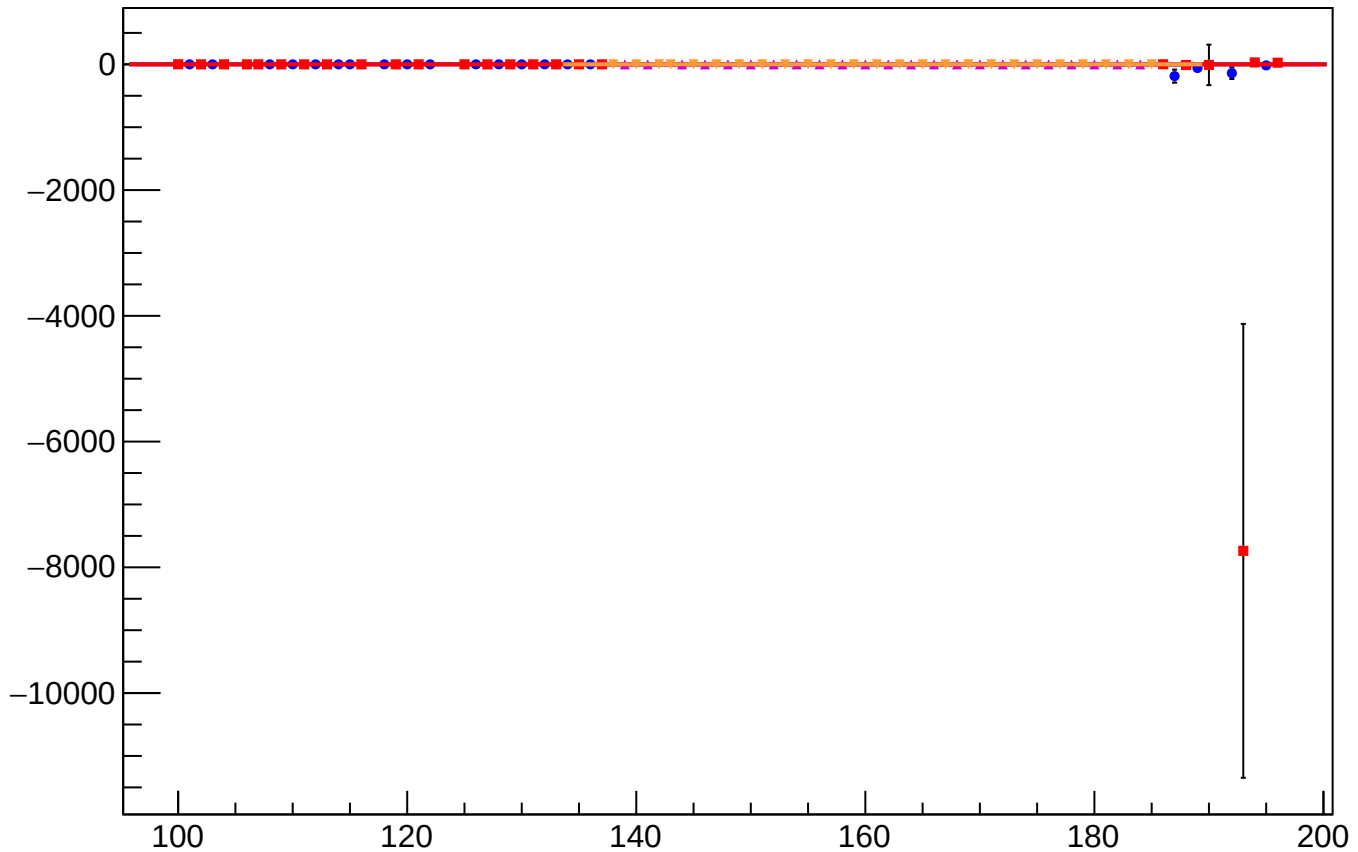
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.031 $\pm$ 0.016 χ^2 /NDF: 56.8/44

All: 0.014 $\pm$ 0.012 χ^2 /NDF: 125.7/91

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 66.8/46

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 ± 0.027 χ^2/NDF : 18.5/19

Left Out: 0.084 ± 0.016 χ^2/NDF : 28.1/24

Right Out: 0.105 ± 0.029 χ^2/NDF : 13.1/23

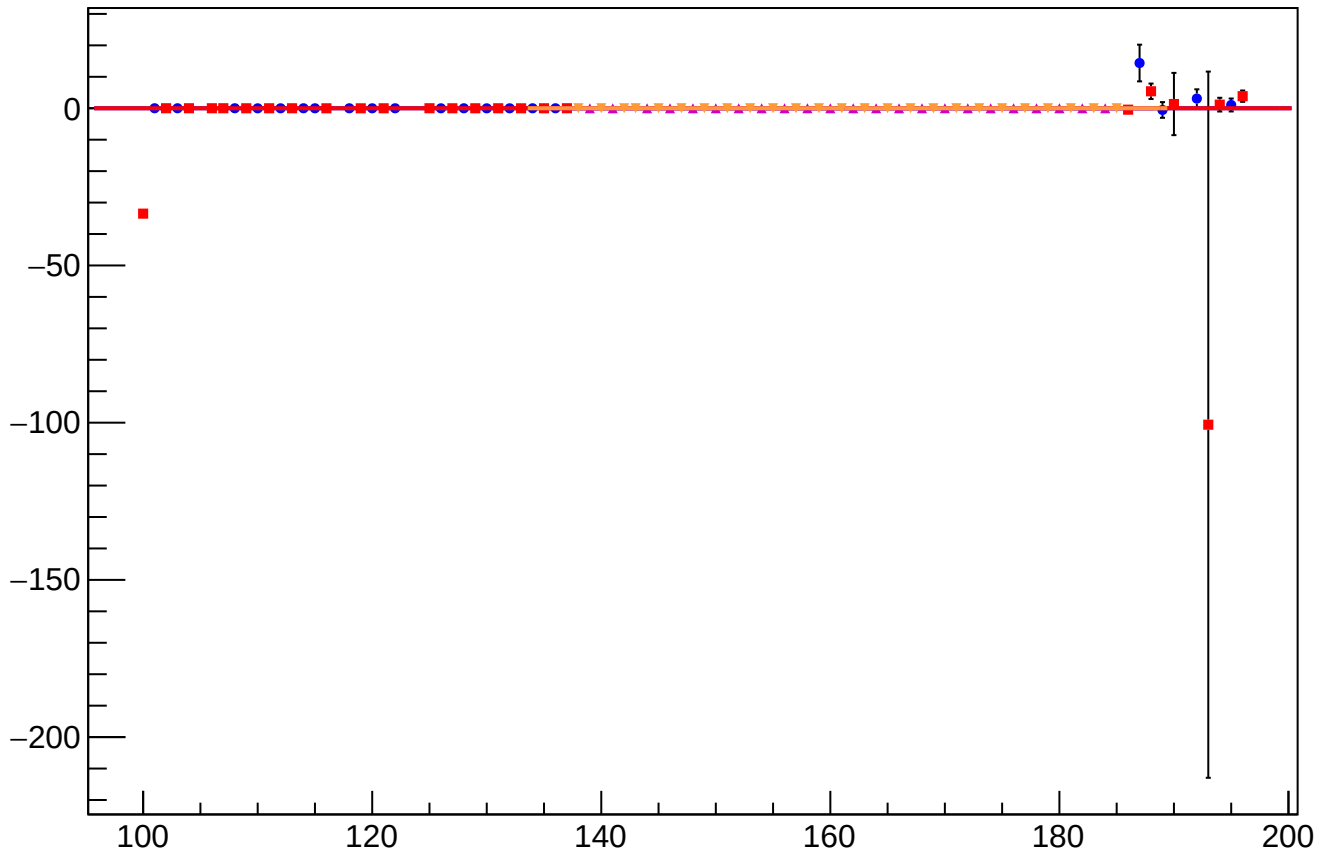
Left In: 0.070 ± 0.016 χ^2/NDF : 44.8/22

+ sign 0.065 ± 0.014 χ^2/NDF : 52.5/44

All: 0.071 ± 0.010 χ^2/NDF : 112.1/91

- sign 0.078 ± 0.014 χ^2/NDF : 59.1/46

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 29.0/19

Left Out: 0.001 ± 0.001 χ^2/NDF : 26.1/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 26519.5/23

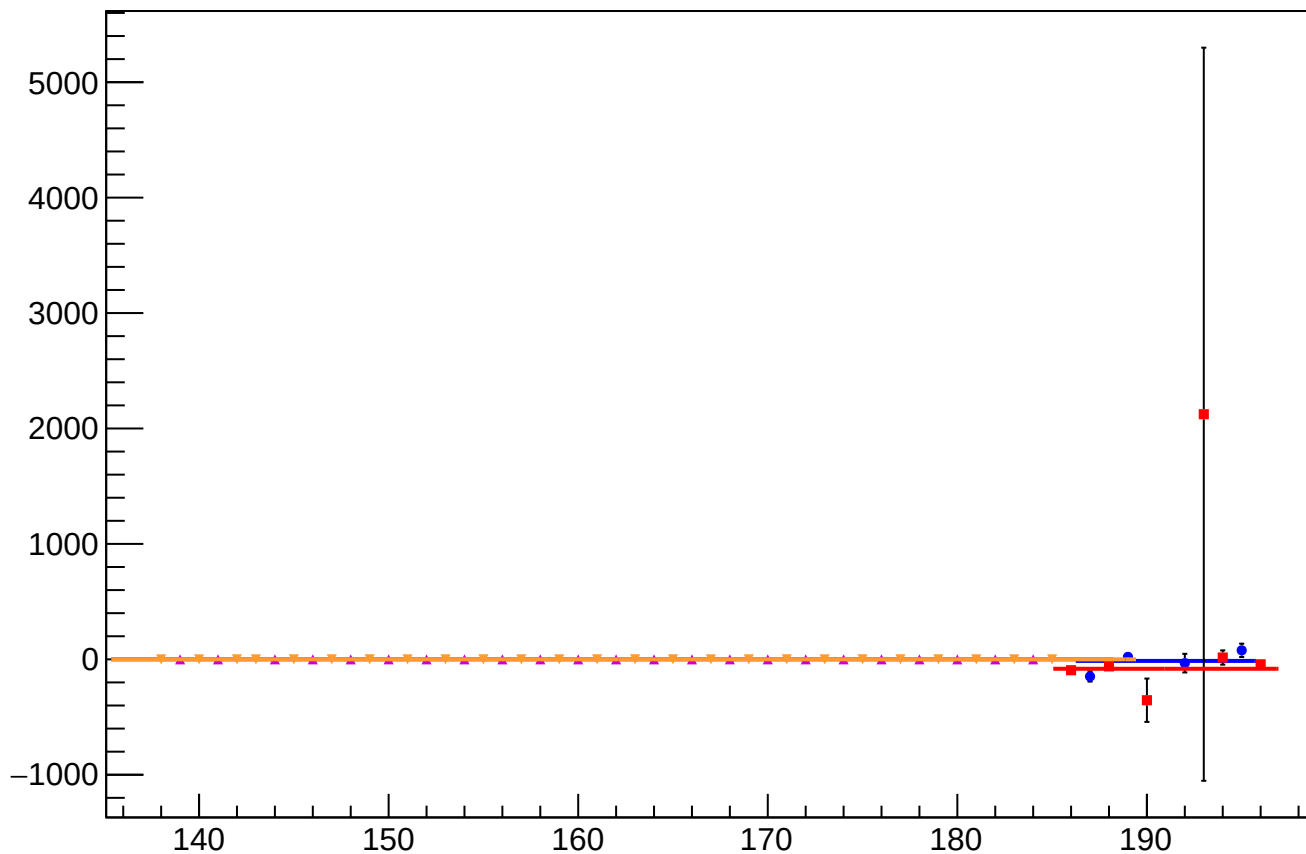
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 68.9/44

All: -0.001 ± 0.000 χ^2/NDF : 26624.9/91

- sign -0.001 ± 0.001 χ^2/NDF : 26555.7/46

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -13.695 ± 21.141 χ^2/NDF : 13.4/3

Left Out: -0.059 ± 0.018 χ^2/NDF : 41.7/24

Right Out: -81.776 ± 10.013 χ^2/NDF : 8.0/5

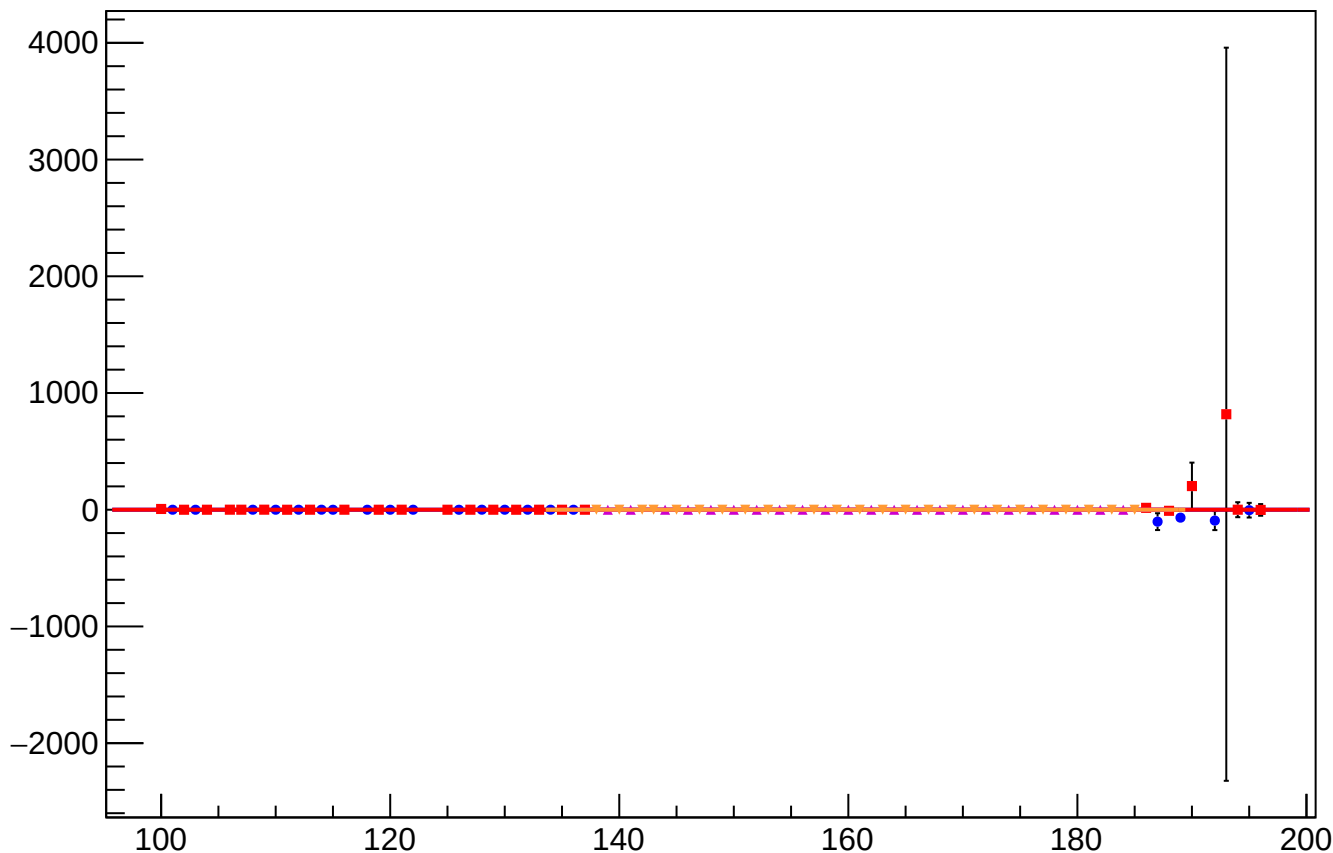
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.059 ± 0.018 χ^2/NDF : 55.5/28

All: -0.035 ± 0.013 χ^2/NDF : 169.2/57

- sign -0.009 ± 0.018 χ^2/NDF : 109.8/28

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 ± 0.023 χ^2/NDF : 33.0/19

Left Out: -0.010 ± 0.014 χ^2/NDF : 29.7/24

Right Out: 0.037 ± 0.025 χ^2/NDF : 31.0/23

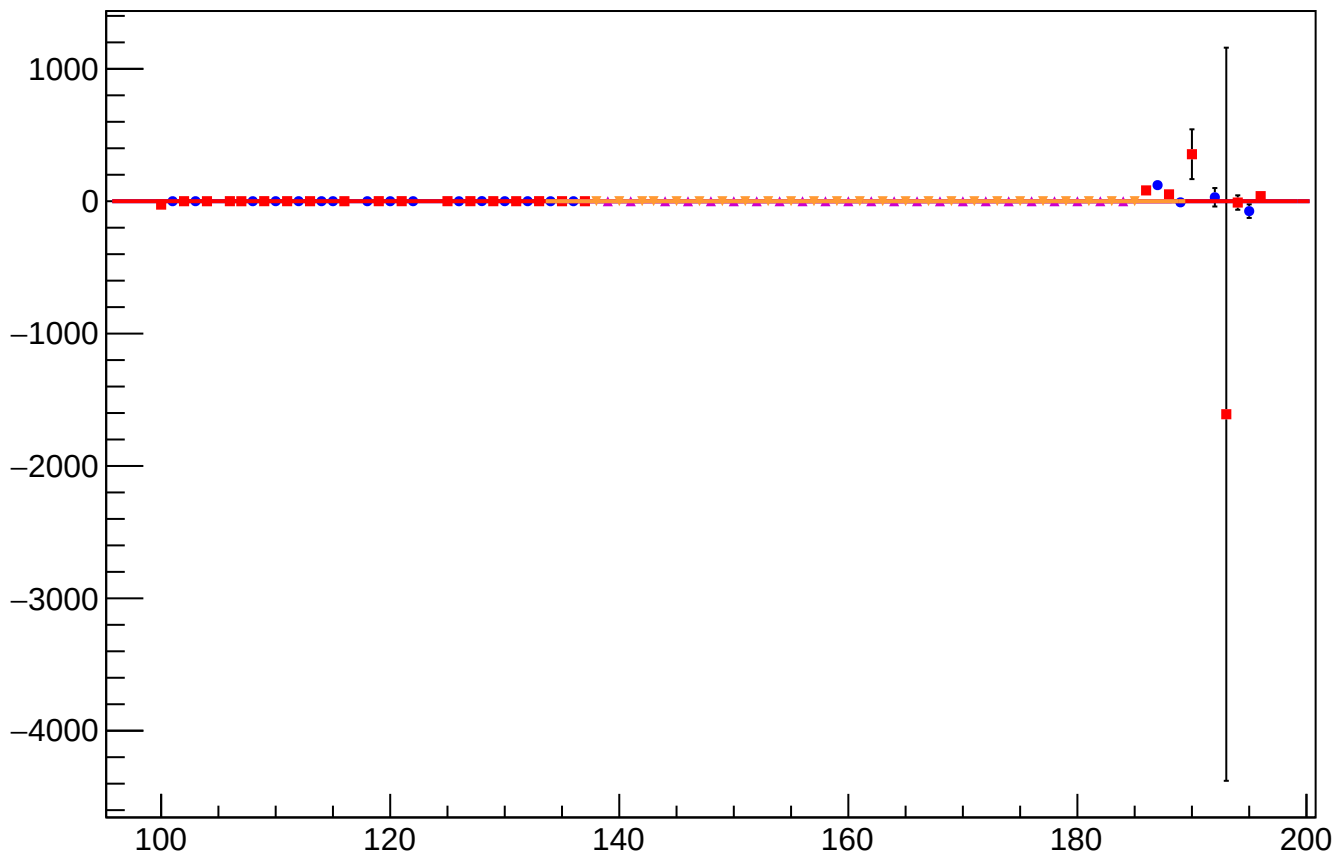
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.005 ± 0.012 χ^2/NDF : 63.1/44

All: 0.003 ± 0.009 χ^2/NDF : 146.0/91

- sign 0.013 ± 0.012 χ^2/NDF : 81.8/46

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 43.4/19

Left Out: 0.055 $\pm$ 0.018 χ^2 /NDF: 41.0/24

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 107.0/23

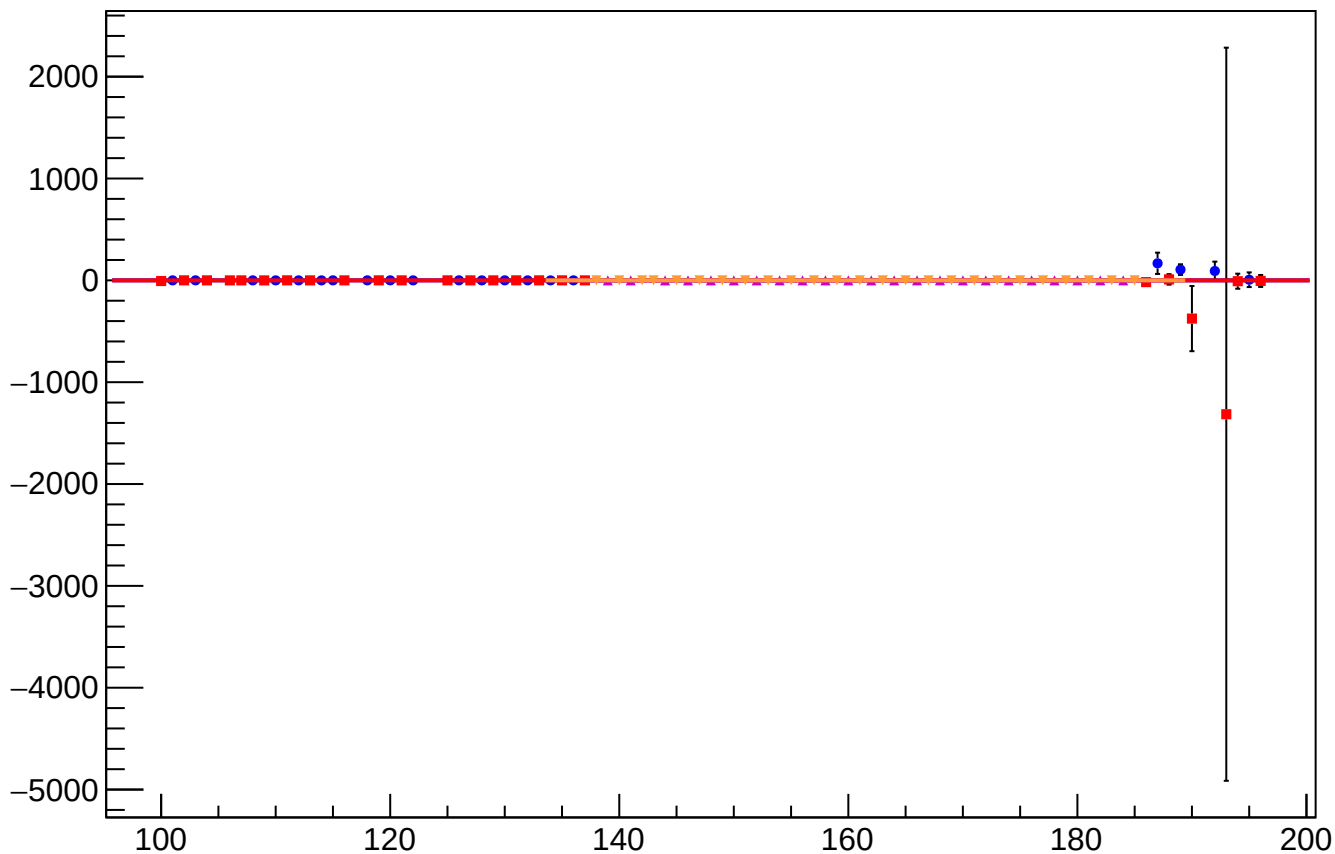
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF: 35.8/22

+ sign 0.070 $\pm$ 0.016 χ^2 /NDF: 89.1/44

All: 0.057 $\pm$ 0.012 χ^2 /NDF: 246.5/91

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 156.2/46

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 32.3/19

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.4/24

Right Out: -0.046 ± 0.029 χ^2/NDF : 28.5/23

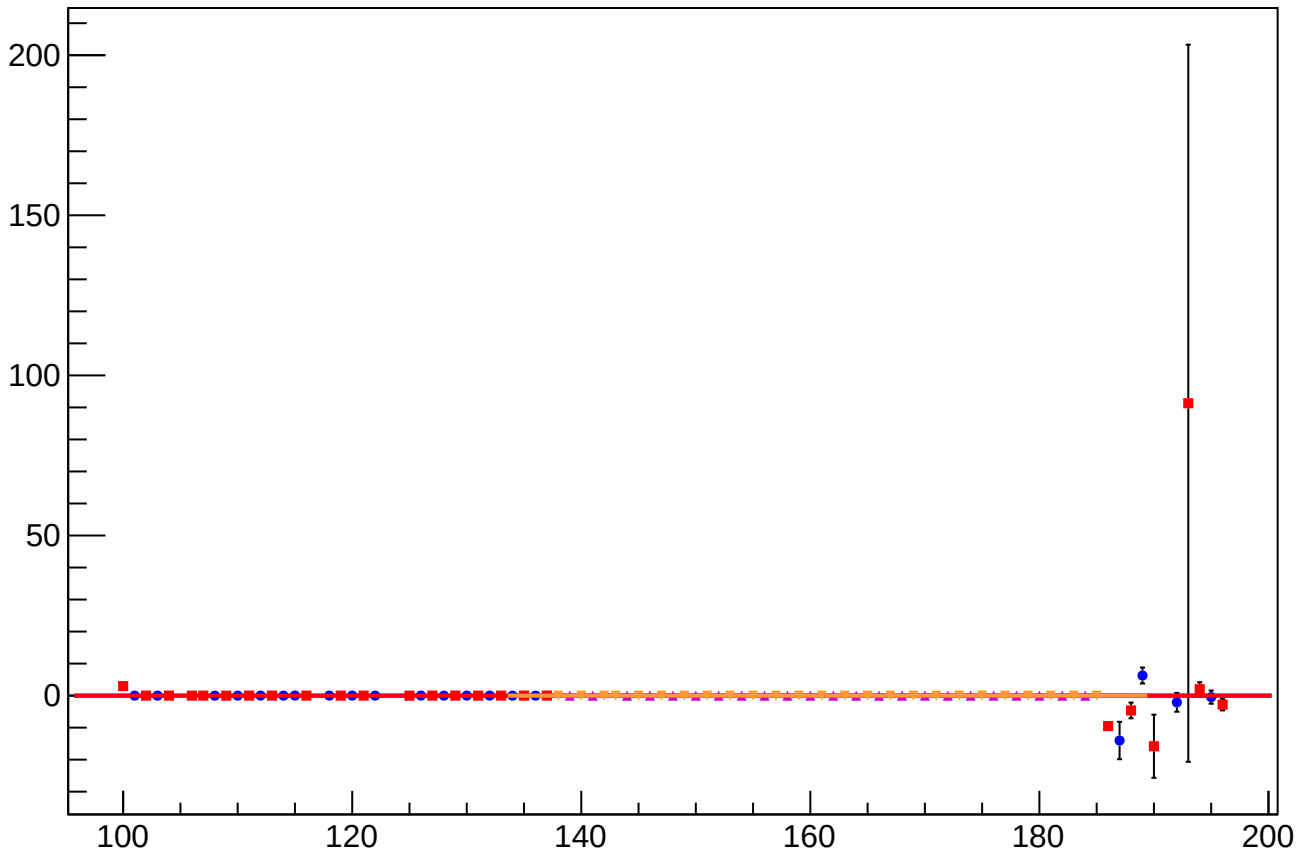
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 66.6/44

All: 0.003 ± 0.010 χ^2/NDF : 148.8/91

- sign -0.007 ± 0.014 χ^2/NDF : 81.1/46

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 40.1/19

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.7/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 212.9/23

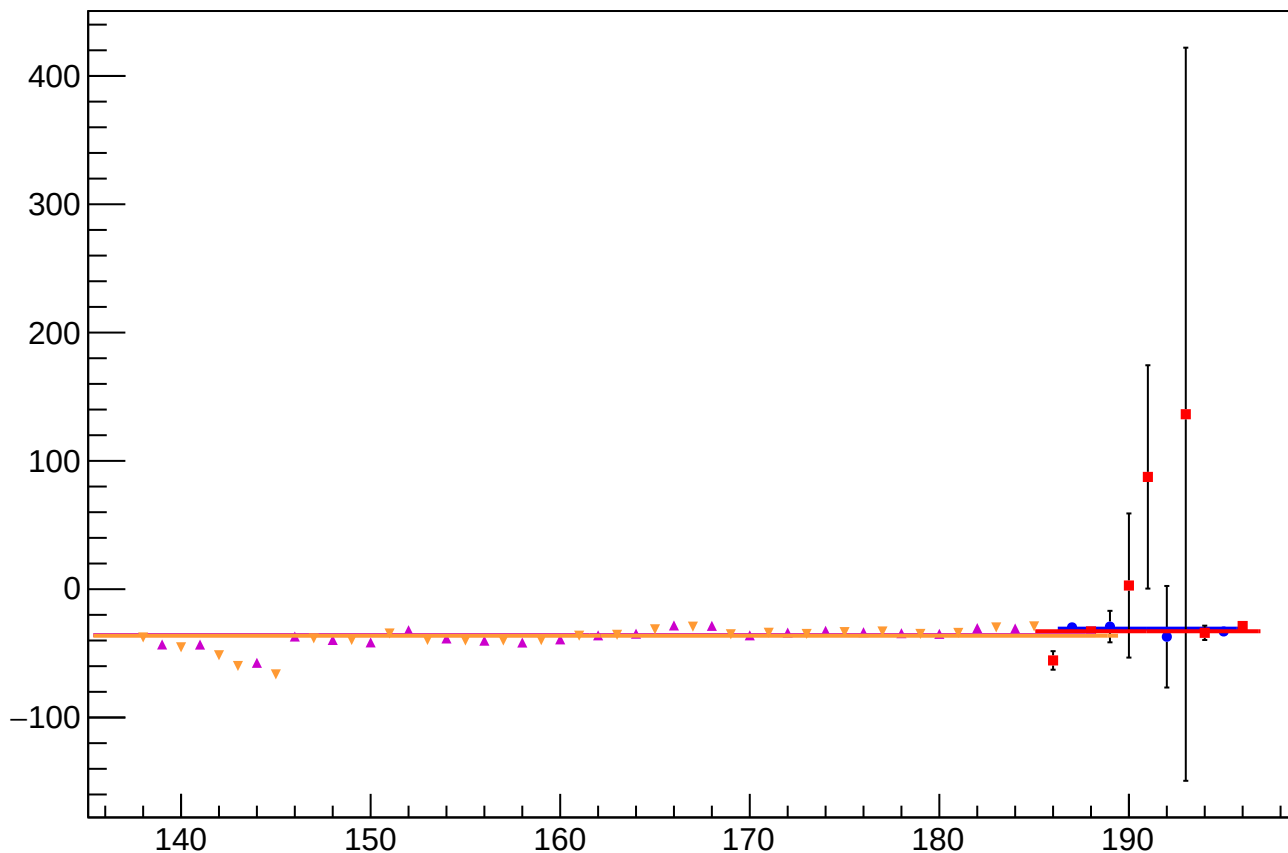
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 74.4/44

All: -0.008 ± 0.000 χ^2/NDF : 327.7/91

- sign -0.008 ± 0.001 χ^2/NDF : 253.1/46

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -30.760 ± 1.533 χ^2/NDF : 1.0/3

Left Out: -36.243 ± 0.191 χ^2/NDF : 1193.9/24

Right Out: -32.789 ± 1.059 χ^2/NDF : 14.7/6

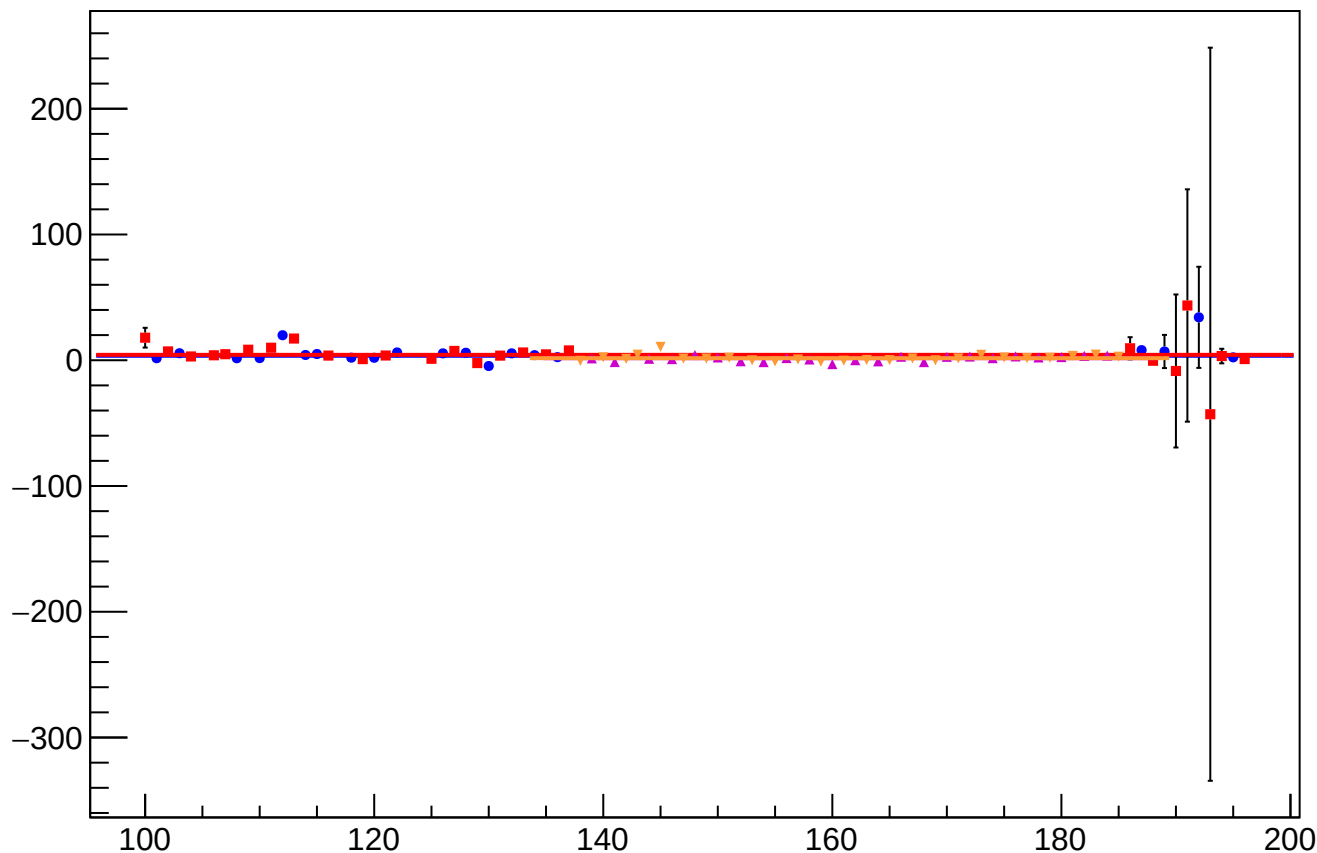
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -36.159 ± 0.190 χ^2/NDF : 1207.5/28

All: -35.920 ± 0.134 χ^2/NDF : 2087.1/58

- sign -35.685 ± 0.188 χ^2/NDF : 876.5/29

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.572 ± 0.220 χ^2/NDF : 442.9/19

Left Out: 1.652 ± 0.147 χ^2/NDF : 168.8/24

Right Out: 4.293 ± 0.223 χ^2/NDF : 361.2/24

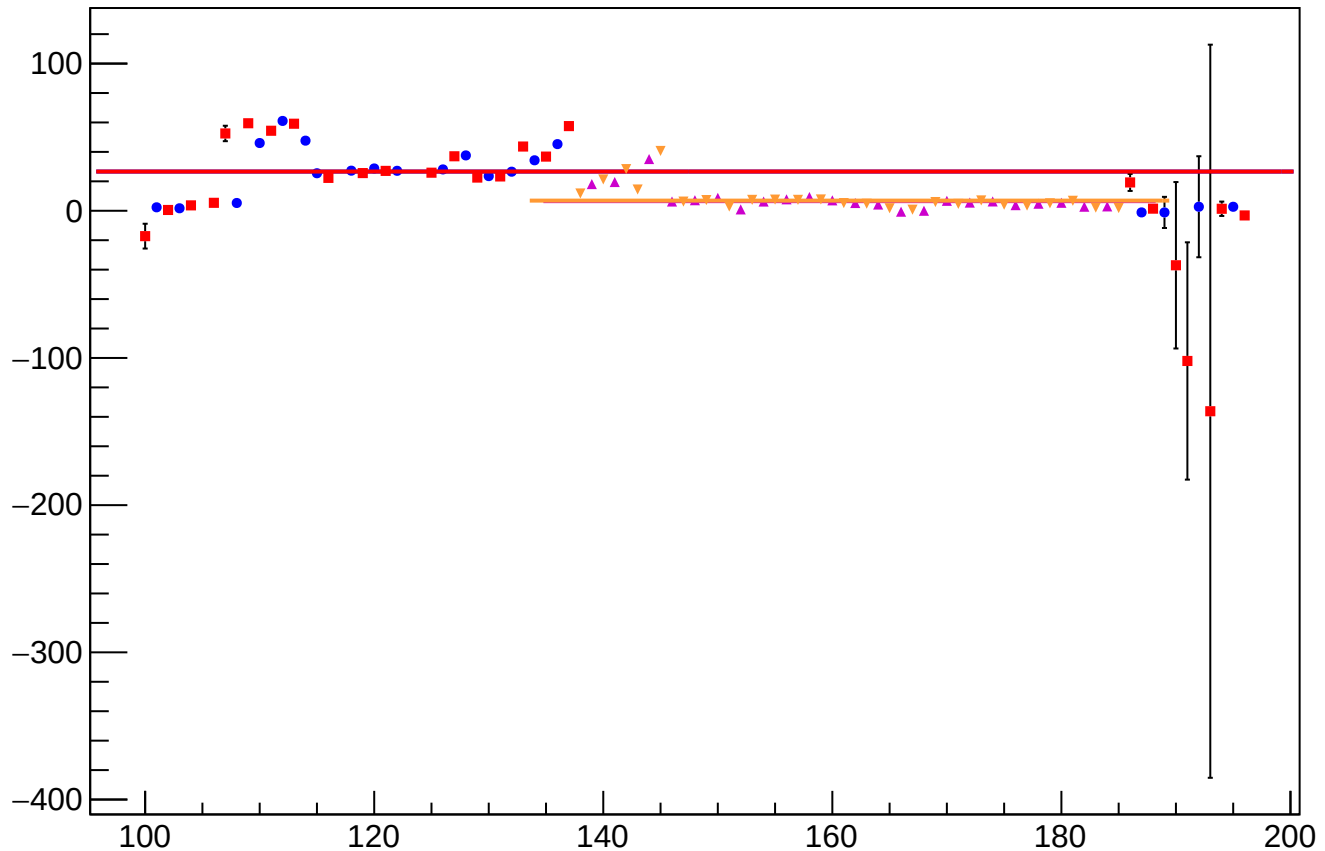
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.248 ± 0.122 χ^2/NDF : 664.4/44

All: 2.354 ± 0.087 χ^2/NDF : 1288.0/92

- sign 2.464 ± 0.124 χ^2/NDF : 622.1/47

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 26.640 ± 0.399 χ^2/NDF : 1967.8/19

Left Out: 6.900 ± 0.191 χ^2/NDF : 1302.8/24

Right Out: 26.656 ± 0.380 χ^2/NDF : 2755.5/24

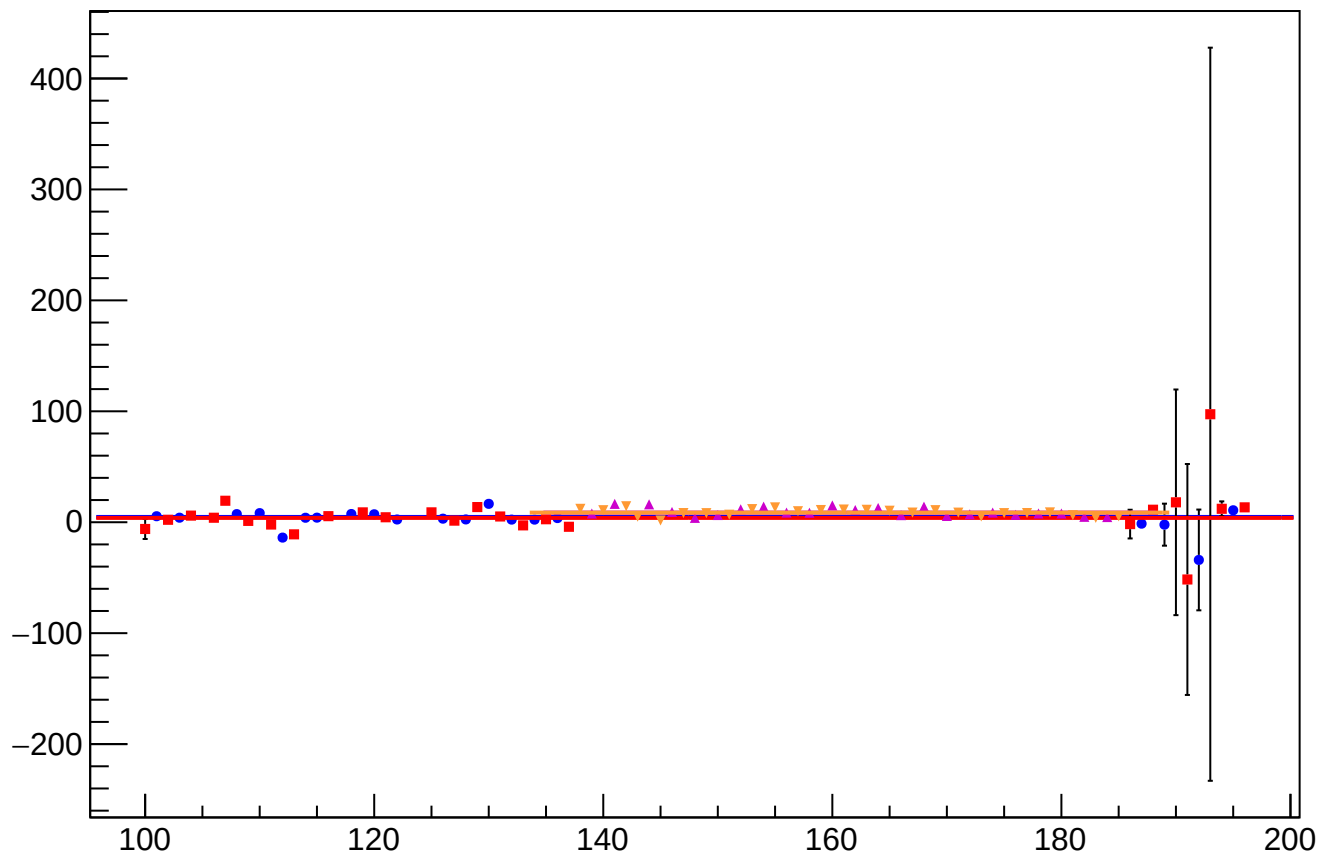
Left In: 6.537 ± 0.190 χ^2/NDF : 1025.1/22

+ sign 10.572 ± 0.172 χ^2/NDF : 5258.0/44

All: 10.570 ± 0.121 χ^2/NDF : 11277.3/92

- sign 10.569 ± 0.170 χ^2/NDF : 6019.3/47

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.756 $\pm$ 0.253 χ^2 /NDF: 551.9/19

Left Out: 8.674 $\pm$ 0.168 χ^2 /NDF: 243.7/24

Right Out: 3.907 $\pm$ 0.257 χ^2 /NDF: 580.3/24

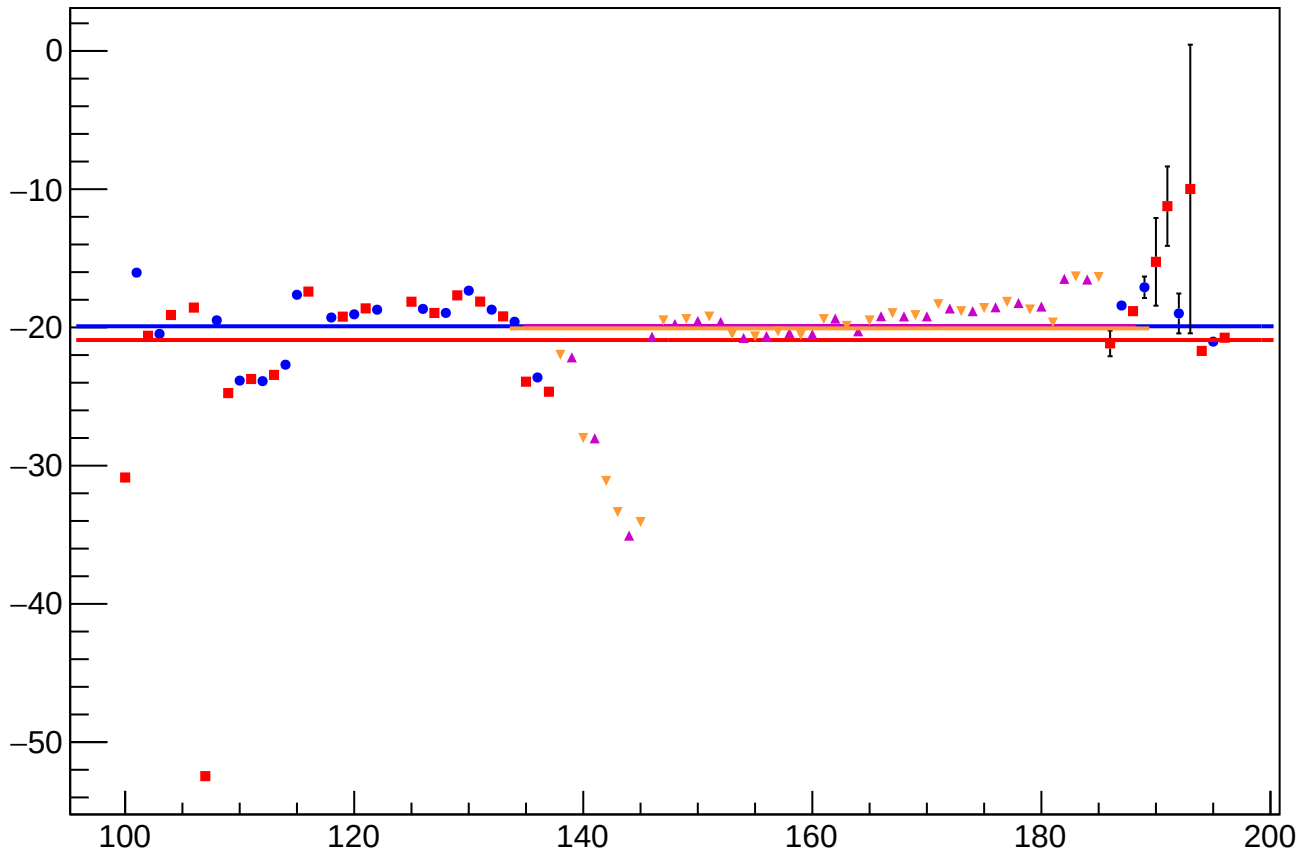
Left In: 8.668 $\pm$ 0.170 χ^2 /NDF: 436.7/22

+ sign 7.473 $\pm$ 0.140 χ^2 /NDF: 961.3/44

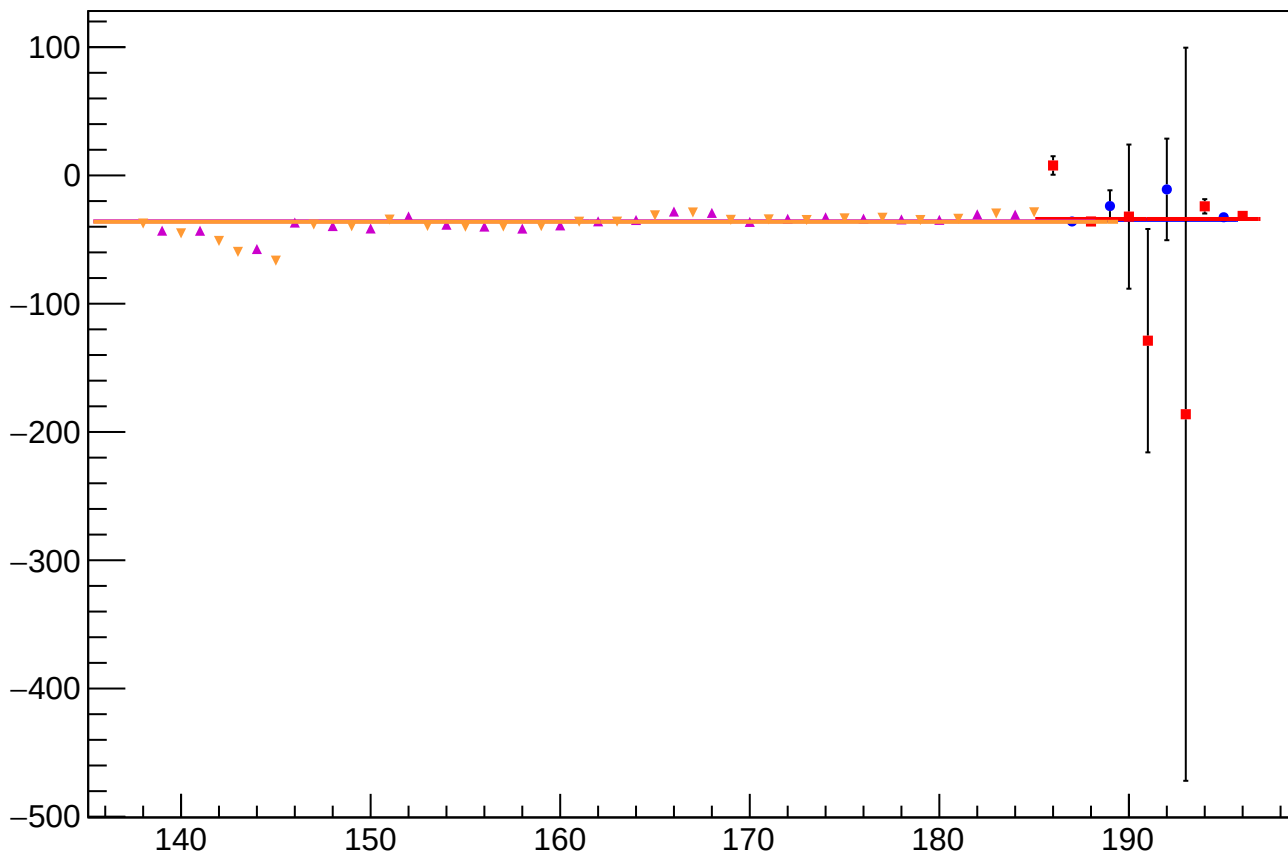
All: 7.346 $\pm$ 0.100 χ^2 /NDF: 2218.6/92

- sign 7.217 $\pm$ 0.142 χ^2 /NDF: 1255.6/47

reg_asym_left_avg_diff_bpm12X_slope vs Slug



reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -34.646 ± 1.538 χ^2/NDF : 2.1/3

Left Out: -36.152 ± 0.191 χ^2/NDF : 1199.2/24

Right Out: -33.959 ± 1.062 χ^2/NDF : 41.4/6

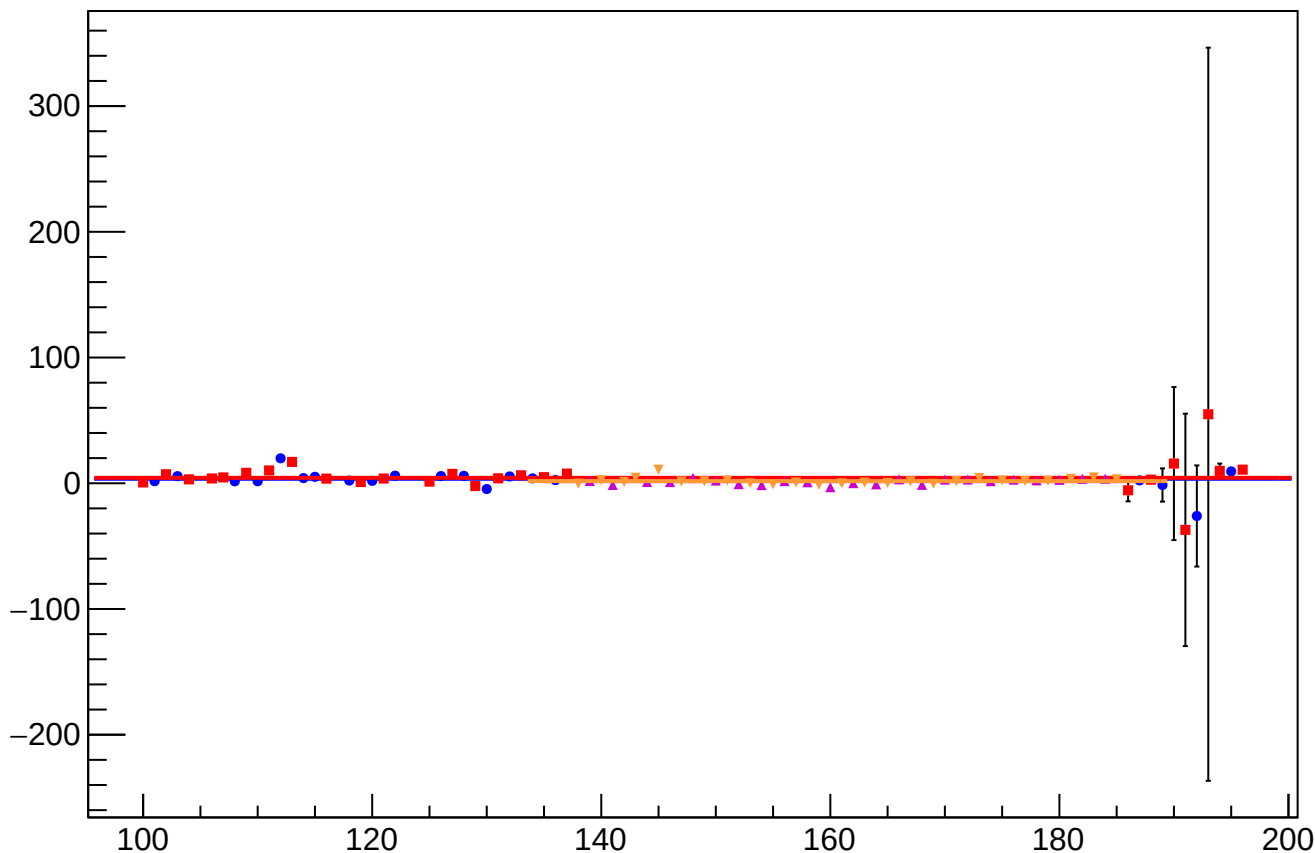
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -36.129 ± 0.190 χ^2/NDF : 1202.3/28

All: -35.918 ± 0.134 χ^2/NDF : 2091.6/58

- sign -35.710 ± 0.188 χ^2/NDF : 886.8/29

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.577 ± 0.219 χ^2/NDF : 441.3/19

Left Out: 1.741 ± 0.147 χ^2/NDF : 170.2/24

Right Out: 4.319 ± 0.219 χ^2/NDF : 359.2/24

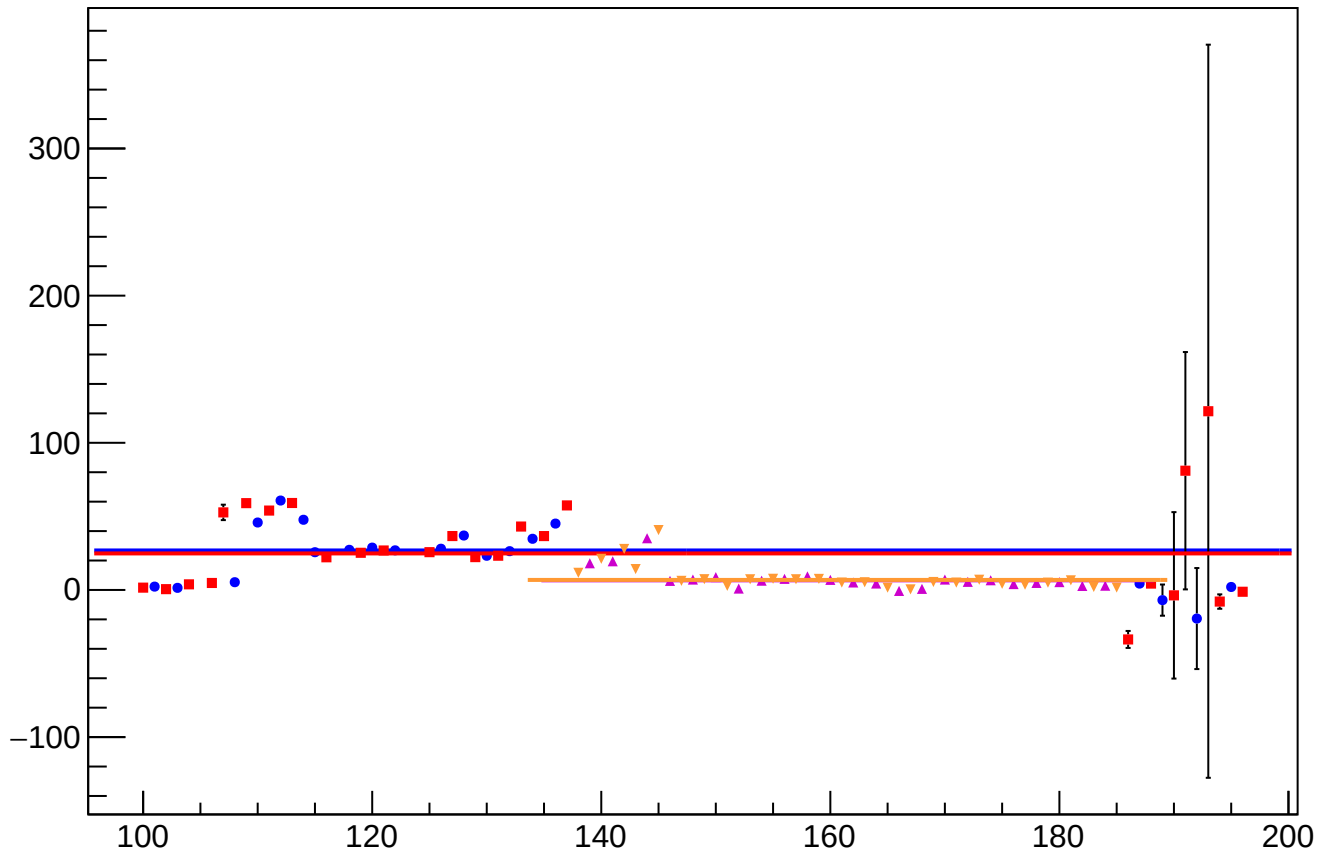
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.311 ± 0.122 χ^2/NDF : 659.9/44

All: 2.422 ± 0.087 χ^2/NDF : 1280.8/92

- sign 2.535 ± 0.123 χ^2/NDF : 619.3/47

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 26.837 $\pm$ 0.399 χ^2 /NDF: 1849.3/19

Left Out: 6.813 $\pm$ 0.191 χ^2 /NDF: 1304.5/24

Right Out: 24.822 $\pm$ 0.365 χ^2 /NDF: 2998.8/24

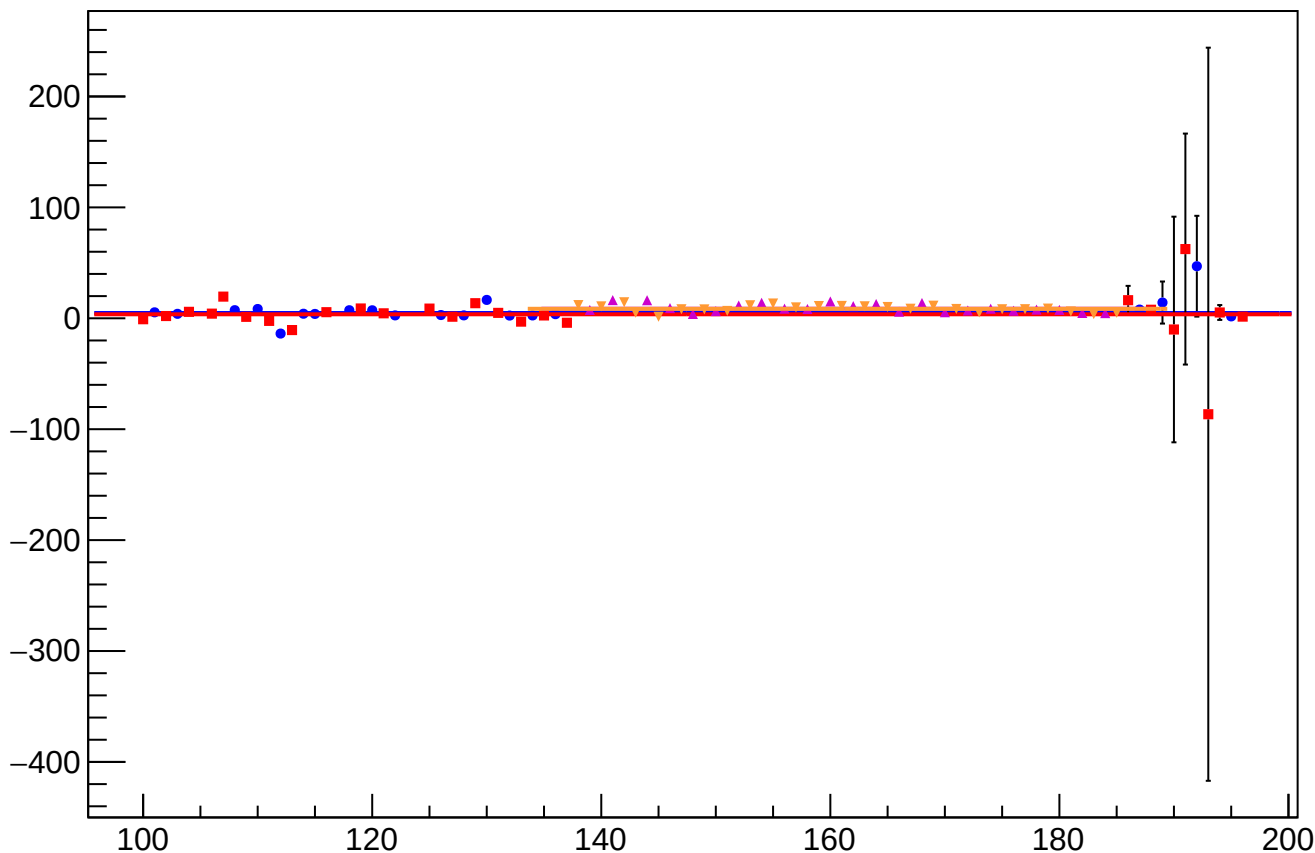
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.535 $\pm$ 0.172 χ^2 /NDF: 5200.5/44

All: 10.484 $\pm$ 0.121 χ^2 /NDF: 11188.9/92

- sign 10.434 $\pm$ 0.169 χ^2 /NDF: 5988.2/47

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.748 ± 0.253 χ^2/NDF : 545.3/19

Left Out: 8.565 ± 0.168 χ^2/NDF : 248.1/24

Right Out: 3.605 ± 0.253 χ^2/NDF : 574.3/24

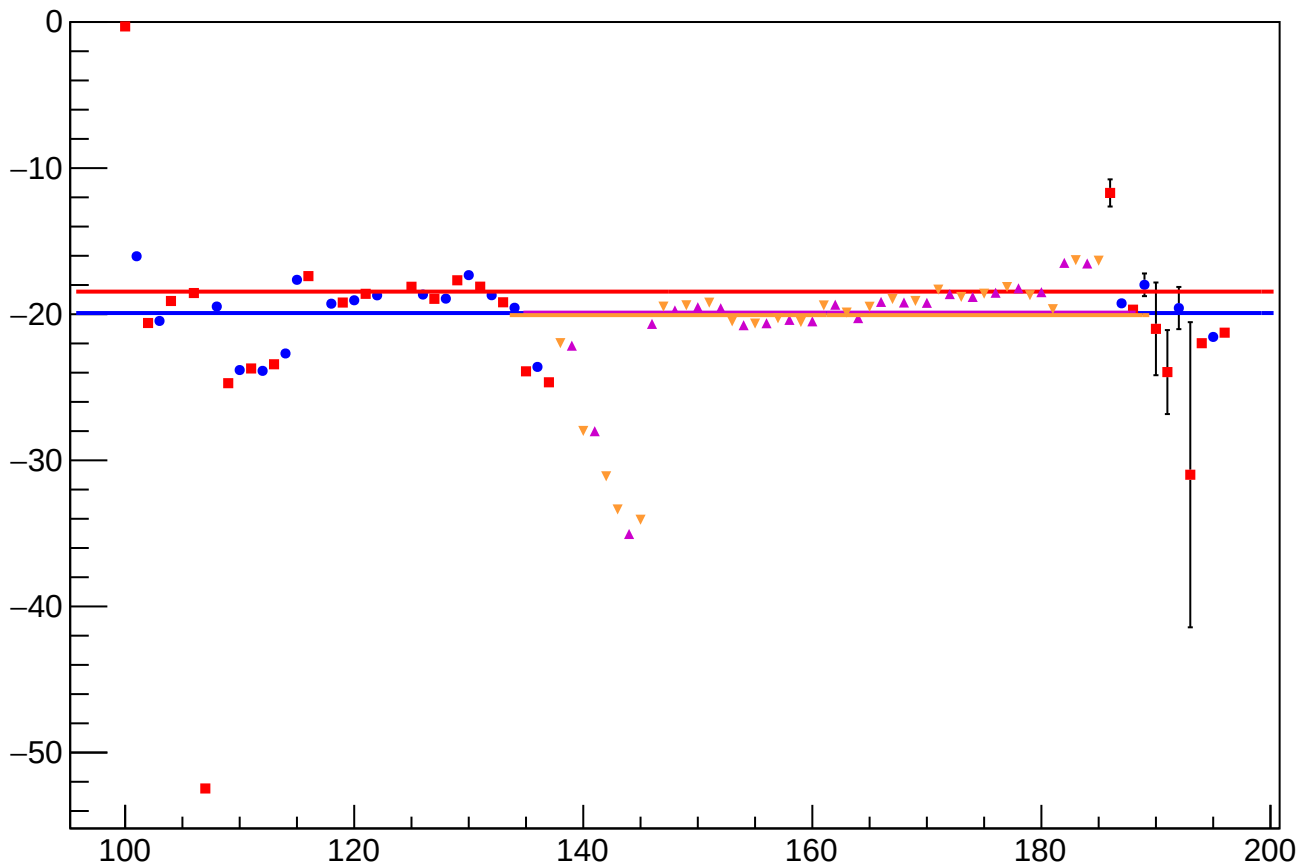
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.395 ± 0.140 χ^2/NDF : 950.8/44

All: 7.215 ± 0.099 χ^2/NDF : 2237.4/92

- sign 7.033 ± 0.141 χ^2/NDF : 1283.3/47

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.919 ± 0.015 $\chi^2/\text{NDF}: 26244.2/19$

Left Out: -20.061 ± 0.008 $\chi^2/\text{NDF}: 185580.2/24$

Right Out: -18.452 ± 0.015 $\chi^2/\text{NDF}: 302035.2/24$

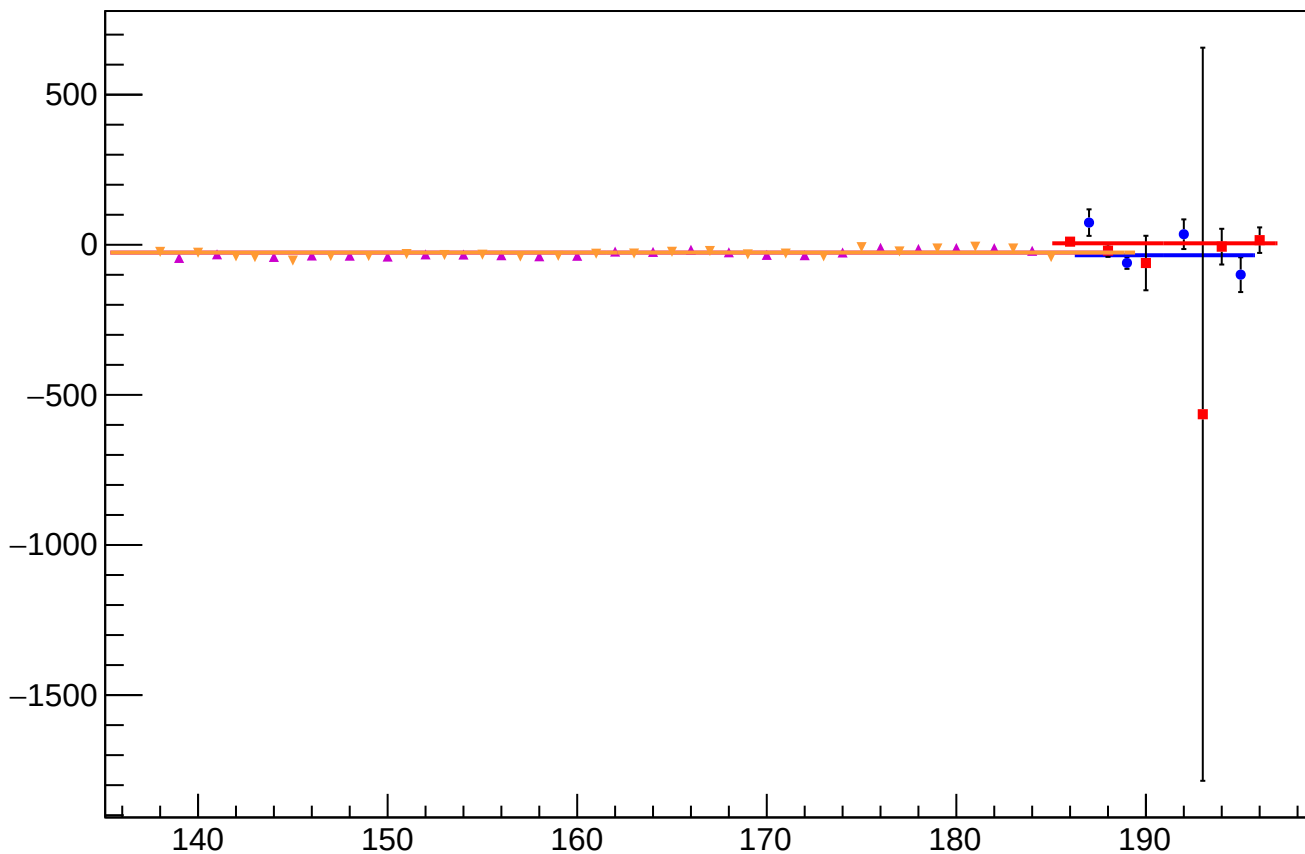
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -20.032 ± 0.007 $\chi^2/\text{NDF}: 211891.8/44$

All: -19.795 ± 0.005 $\chi^2/\text{NDF}: 667803.7/92$

- sign -19.567 ± 0.007 $\chi^2/\text{NDF}: 453671.8/47$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -34.874 ± 16.280 χ^2/NDF : 11.0/3

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 4.902 ± 8.315 χ^2/NDF : 2.5/5

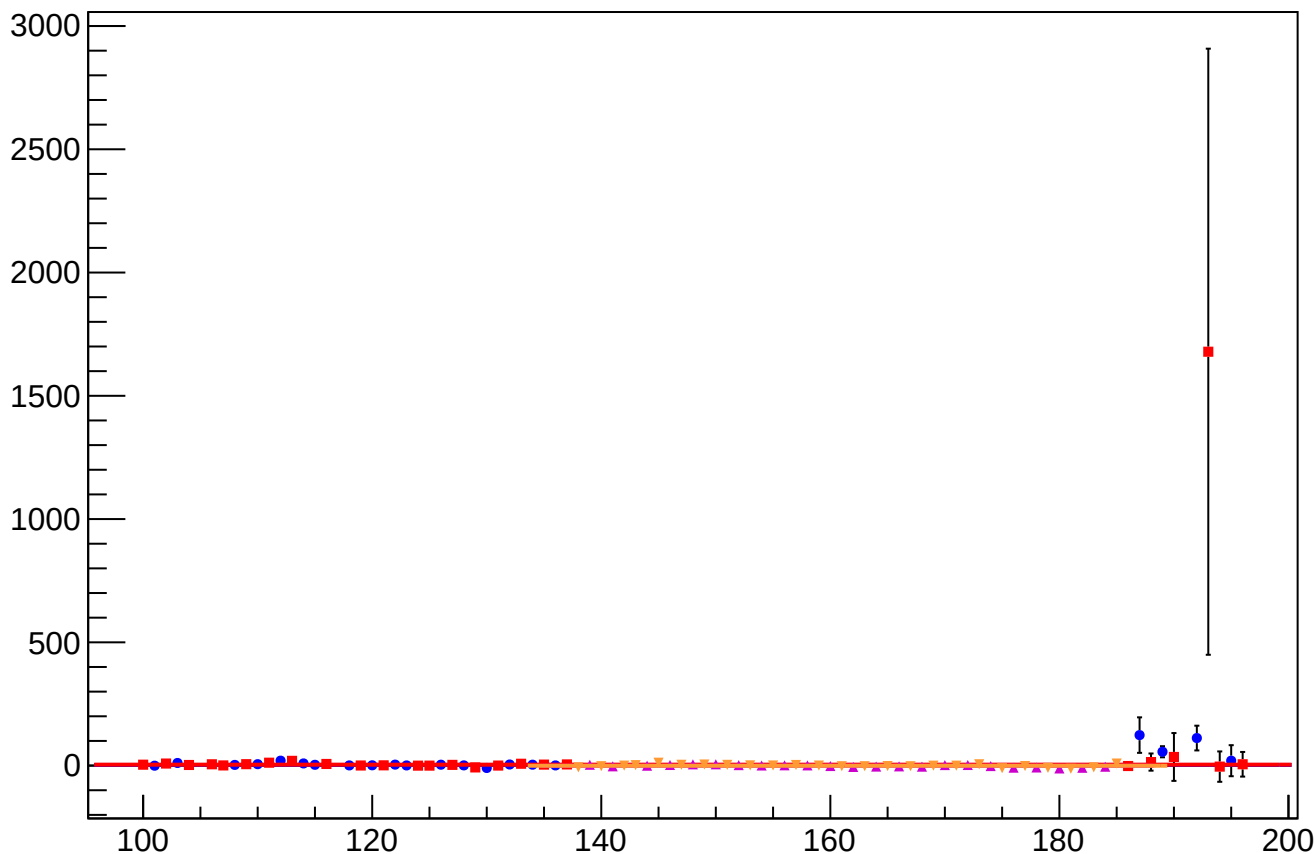
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.886 ± 0.192 χ^2/NDF : 4169.3/28

All: -25.959 ± 0.137 χ^2/NDF : 7465.4/57

- sign -26.035 ± 0.195 χ^2/NDF : 3295.9/28

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.472 ± 0.315 χ^2/NDF : 307.7/20

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.710 ± 0.327 χ^2/NDF : 271.4/24

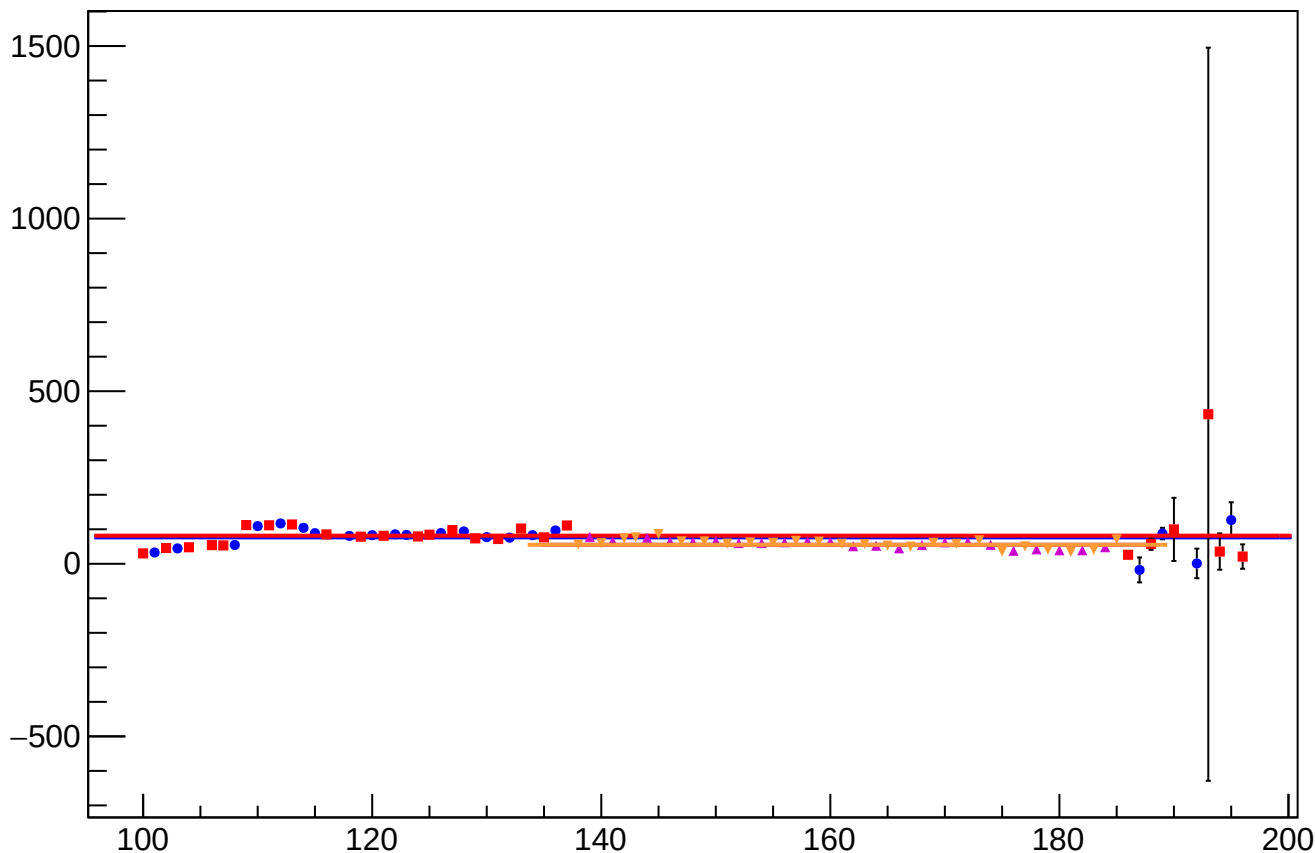
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.100 ± 0.133 χ^2/NDF : 1709.6/45

All: -0.082 ± 0.095 χ^2/NDF : 3209.4/93

- sign -0.063 ± 0.137 χ^2/NDF : 1499.7/47

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.536 ± 0.576 χ^2/NDF : 2264.1/20

Left Out: 55.098 ± 0.191 χ^2/NDF : 4579.3/24

Right Out: 81.495 ± 0.591 χ^2/NDF : 1630.5/24

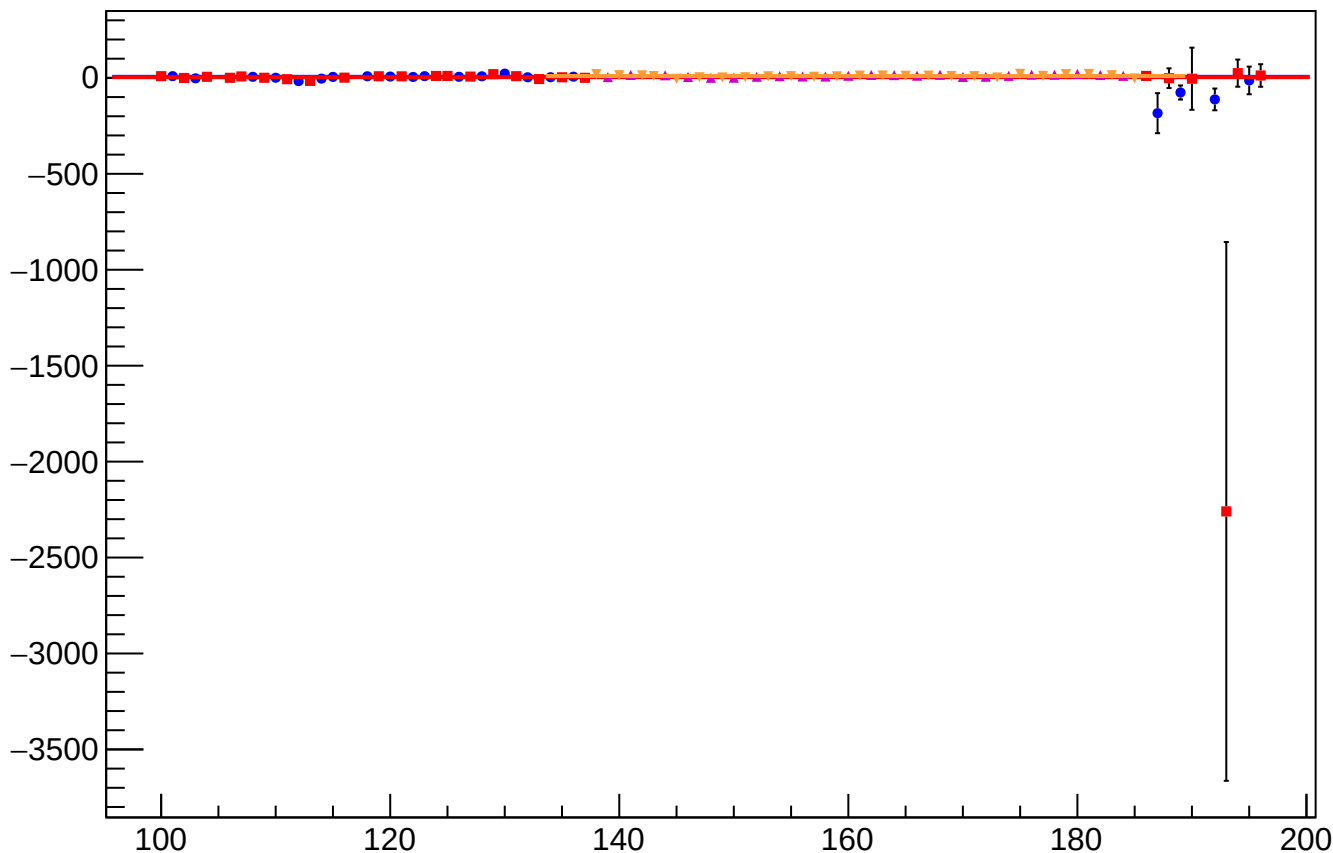
Left In: 55.070 ± 0.193 χ^2/NDF : 3702.8/22

+ sign 57.229 ± 0.182 χ^2/NDF : 8089.3/45

All: 57.427 ± 0.129 χ^2/NDF : 15233.0/93

- sign 57.631 ± 0.184 χ^2/NDF : 7141.3/47

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.413 ± 0.361 χ^2/NDF : 398.3/20

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.586 ± 0.375 χ^2/NDF : 424.5/24

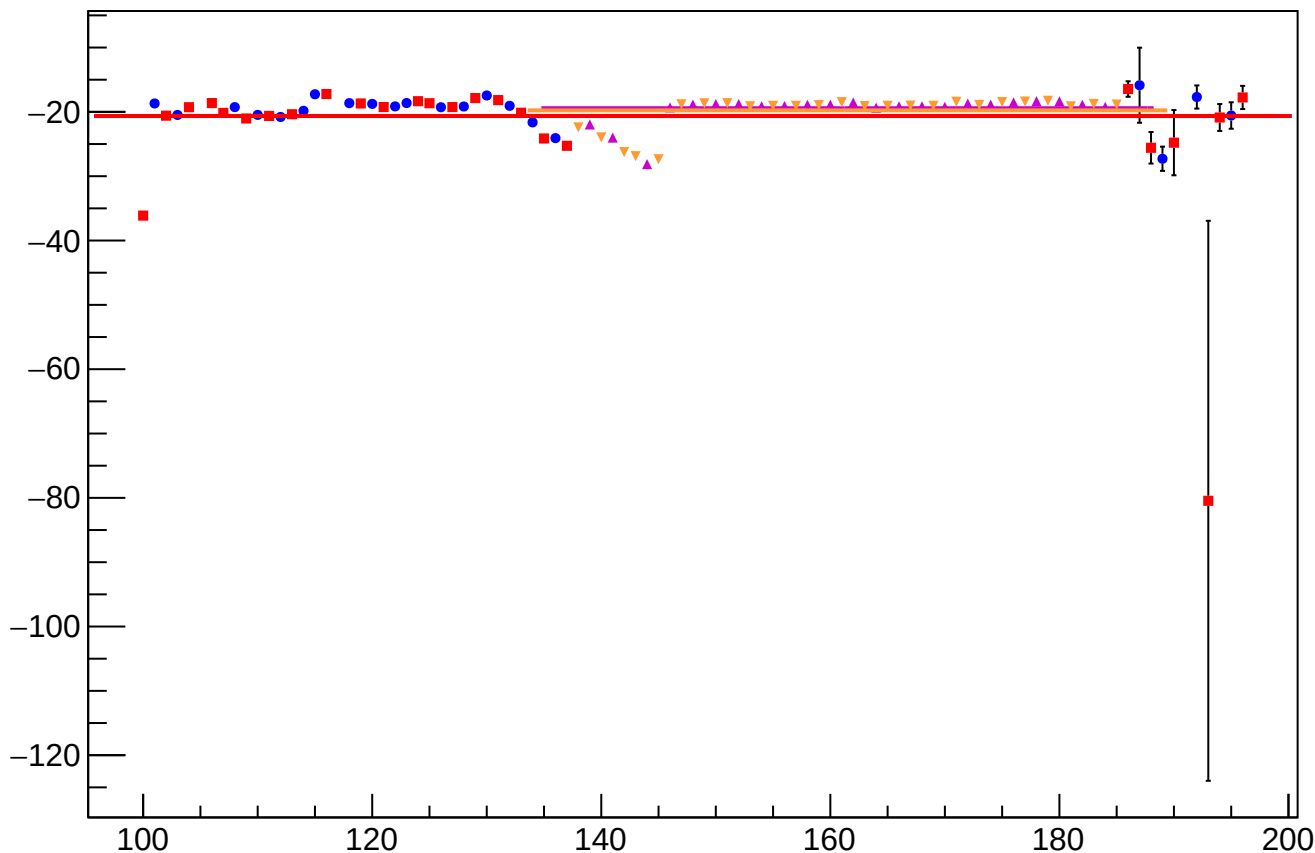
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.969 ± 0.152 χ^2/NDF : 1966.6/45

All: 8.852 ± 0.109 χ^2/NDF : 3777.8/93

- sign 8.728 ± 0.156 χ^2/NDF : 1810.1/47

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 χ^2/NDF : 12440.0/20

Left Out: -19.767 ± 0.008 χ^2/NDF : 91617.3/24

Right Out: -20.639 ± 0.019 χ^2/NDF : 13807.1/24

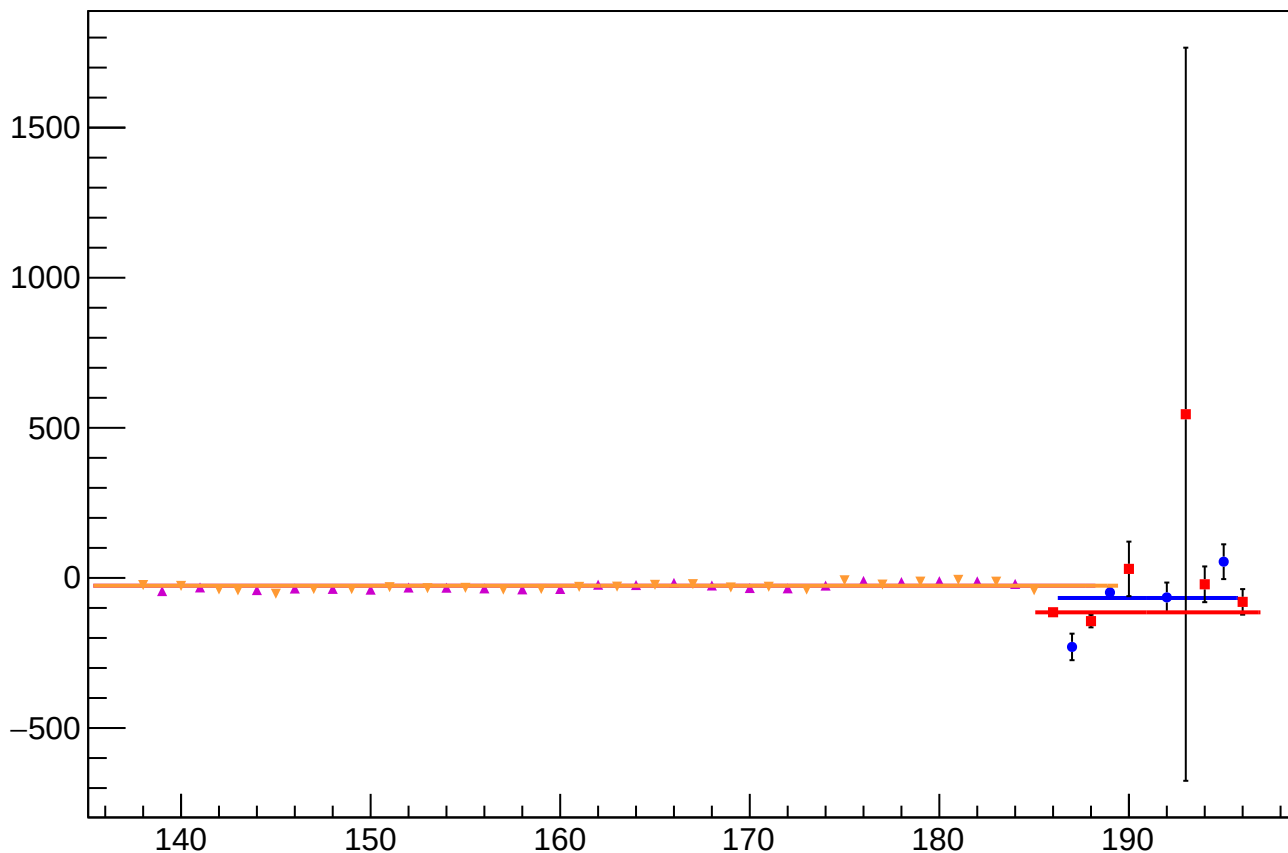
Left In: -19.435 ± 0.008 χ^2/NDF : 53170.9/22

+ sign -19.892 ± 0.007 χ^2/NDF : 105820.1/45

All: -19.751 ± 0.005 χ^2/NDF : 176826.2/93

- sign -19.607 ± 0.007 χ^2/NDF : 70253.6/47

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -66.846 ± 16.294 $\chi^2/\text{NDF}: 18.8/3$

Left Out: -25.899 ± 0.192 $\chi^2/\text{NDF}: 4127.5/24$

Right Out: -114.653 ± 8.321 $\chi^2/\text{NDF}: 7.9/5$

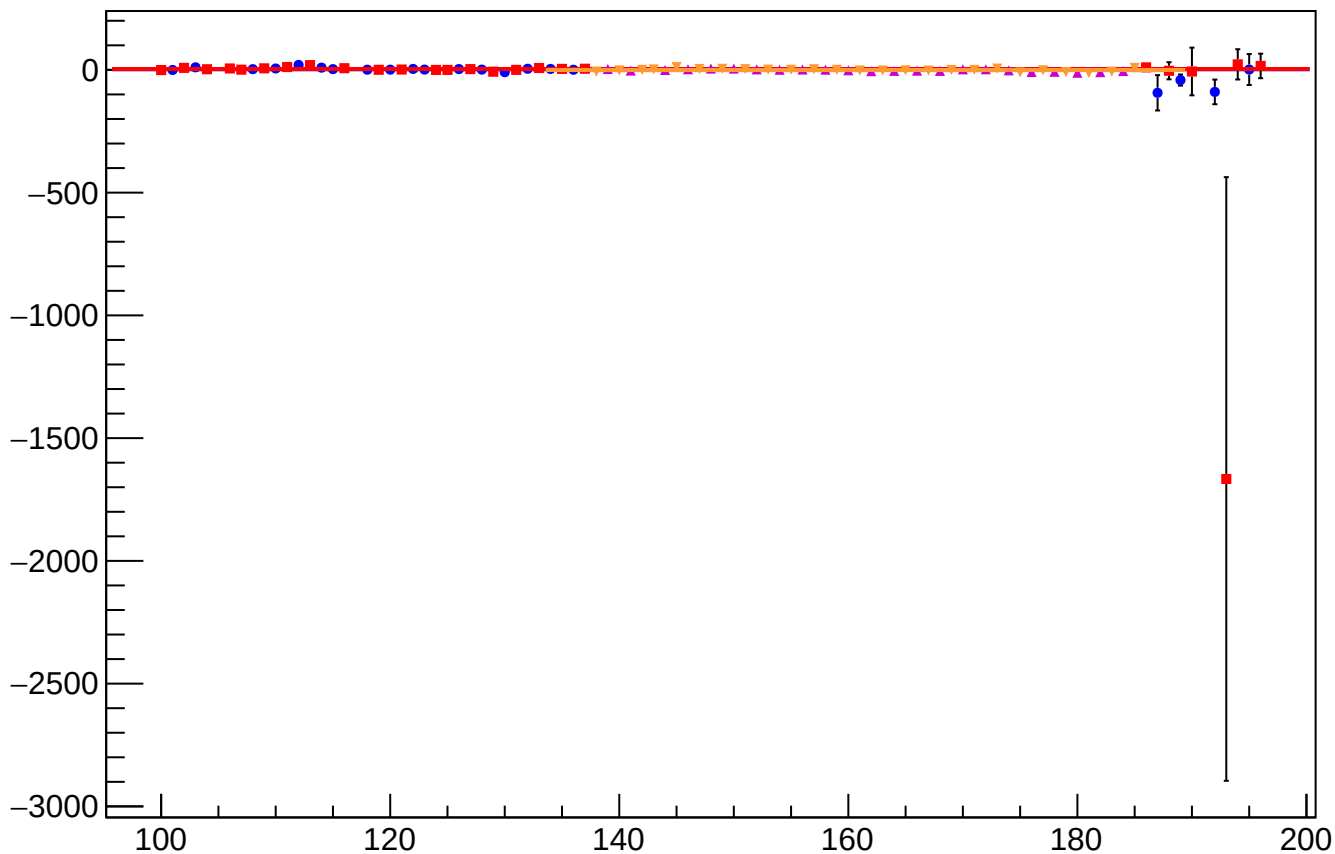
Left In: -26.046 ± 0.195 $\chi^2/\text{NDF}: 3246.7/22$

+ sign -25.905 ± 0.192 $\chi^2/\text{NDF}: 4152.7/28$

All: -25.998 ± 0.137 $\chi^2/\text{NDF}: 7521.2/57$

- sign -26.095 ± 0.195 $\chi^2/\text{NDF}: 3368.0/28$

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.441 ± 0.315 χ^2/NDF : 301.3/20

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.597 ± 0.318 χ^2/NDF : 282.4/24

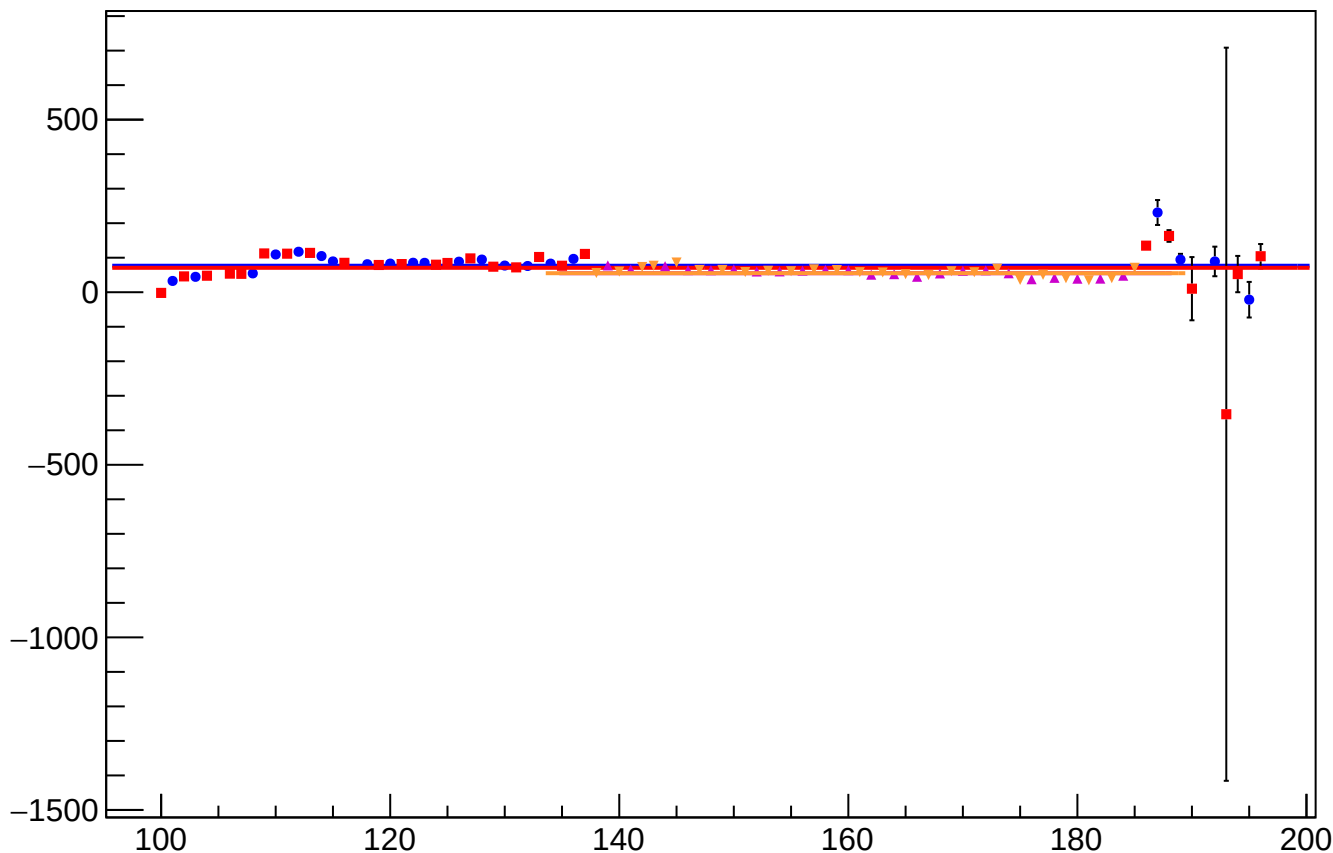
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1688.5/45

All: -0.025 ± 0.095 χ^2/NDF : 3233.2/93

- sign 0.009 ± 0.136 χ^2/NDF : 1544.5/47

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.725 $\pm$ 0.577 χ^2 /NDF: 2287.9/20

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.755 $\pm$ 0.549 χ^2 /NDF: 4490.8/24

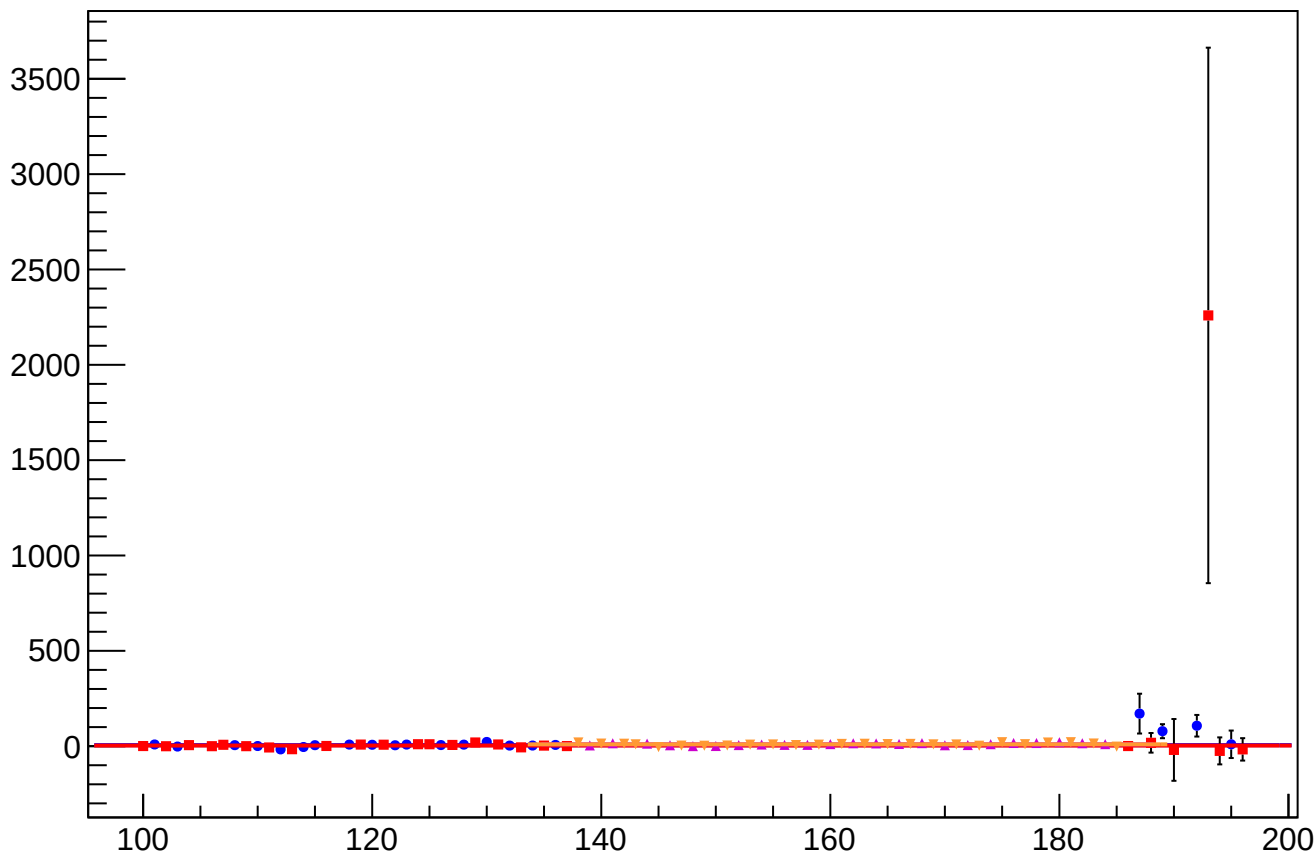
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.259 $\pm$ 0.182 χ^2 /NDF: 8113.1/45

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 16995.8/93

- sign 56.828 $\pm$ 0.183 χ^2 /NDF: 8879.9/47

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.441 ± 0.361 χ^2/NDF : 393.9/20

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.278 ± 0.365 χ^2/NDF : 428.0/24

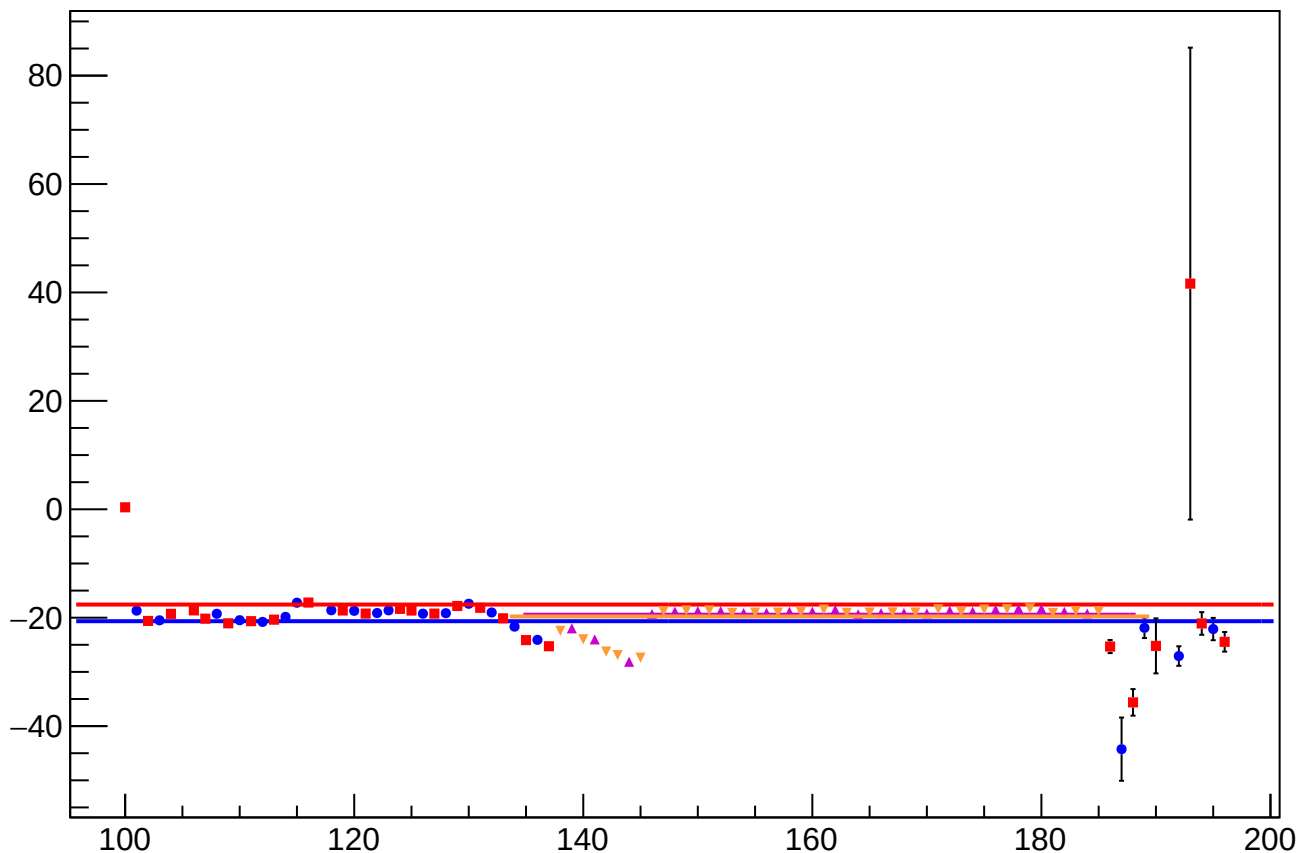
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1948.3/45

All: 8.750 ± 0.109 χ^2/NDF : 3826.0/93

- sign 8.569 ± 0.155 χ^2/NDF : 1875.0/47

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.646 ± 0.019 χ^2/NDF : 12492.7/20

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.575 ± 0.018 χ^2/NDF : 178434.8/24

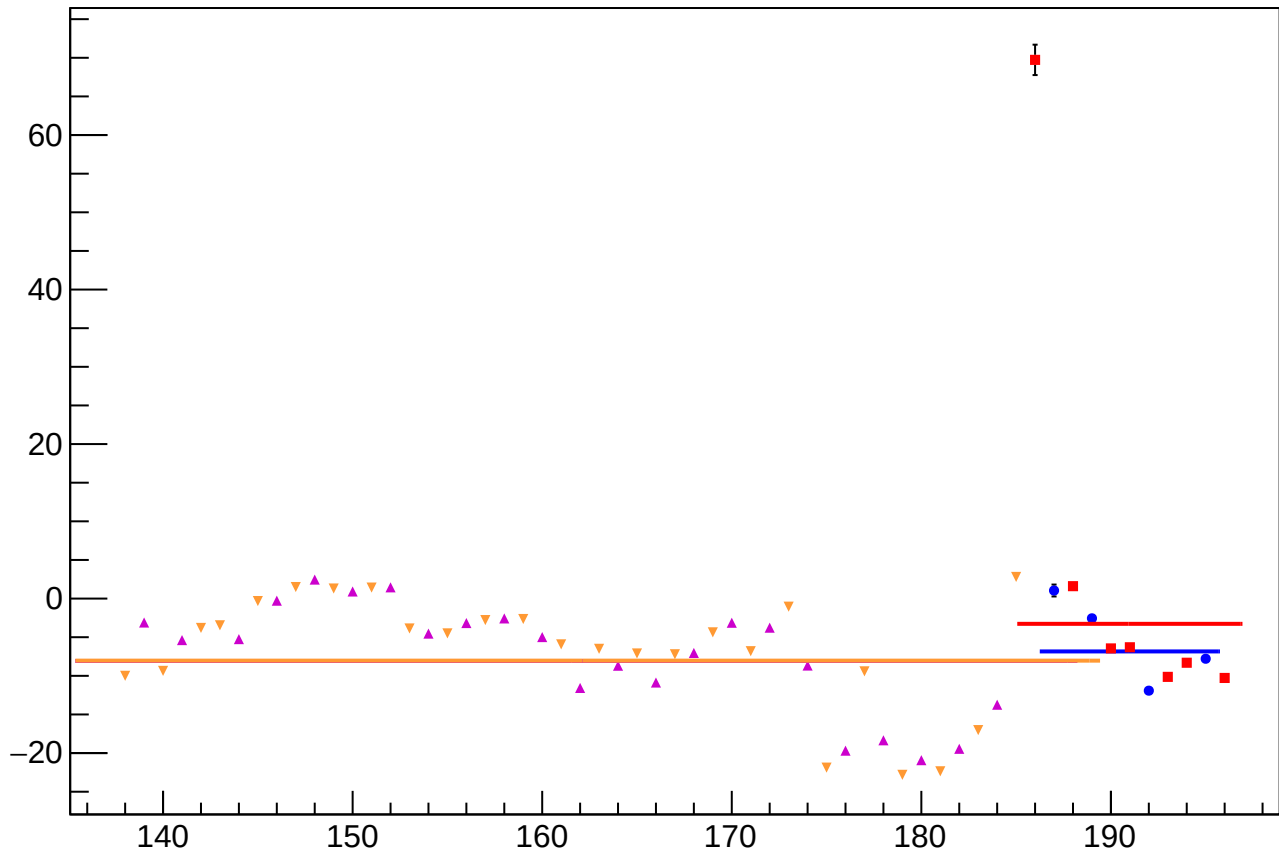
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105740.5/45

All: -19.518 ± 0.005 χ^2/NDF : 351701.6/93

- sign -19.140 ± 0.007 χ^2/NDF : 240550.2/47

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -6.841 ± 0.215 χ^2/NDF : 399.8/3

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -3.269 ± 0.129 χ^2/NDF : 3009.2/6

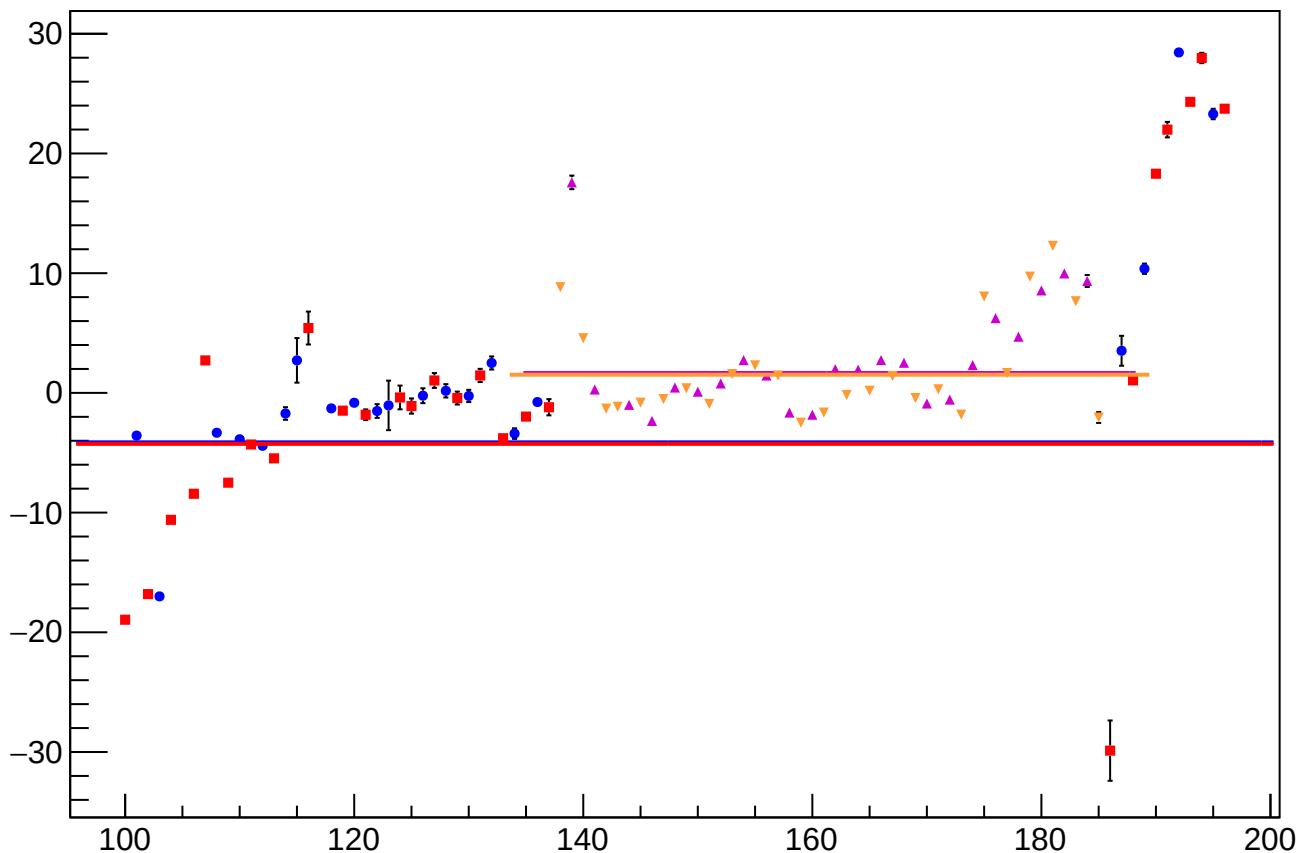
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -7.919 ± 0.067 χ^2/NDF : 12995.7/28

All: -7.401 ± 0.046 χ^2/NDF : 27713.7/58

- sign -6.944 ± 0.063 χ^2/NDF : 14605.1/29

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -4.133 ± 0.053 $\chi^2/\text{NDF}: 21609.1/20$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -4.257 ± 0.055 $\chi^2/\text{NDF}: 35795.3/25$

Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign -1.353 ± 0.038 $\chi^2/\text{NDF}: 31947.2/45$

All: -1.358 ± 0.027 $\chi^2/\text{NDF}: 77372.9/94$

- sign -1.363 ± 0.040 $\chi^2/\text{NDF}: 45425.7/48$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.417 ± 0.081 χ^2/NDF : 2030.4/20

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.732 ± 0.071 χ^2/NDF : 7138.4/25

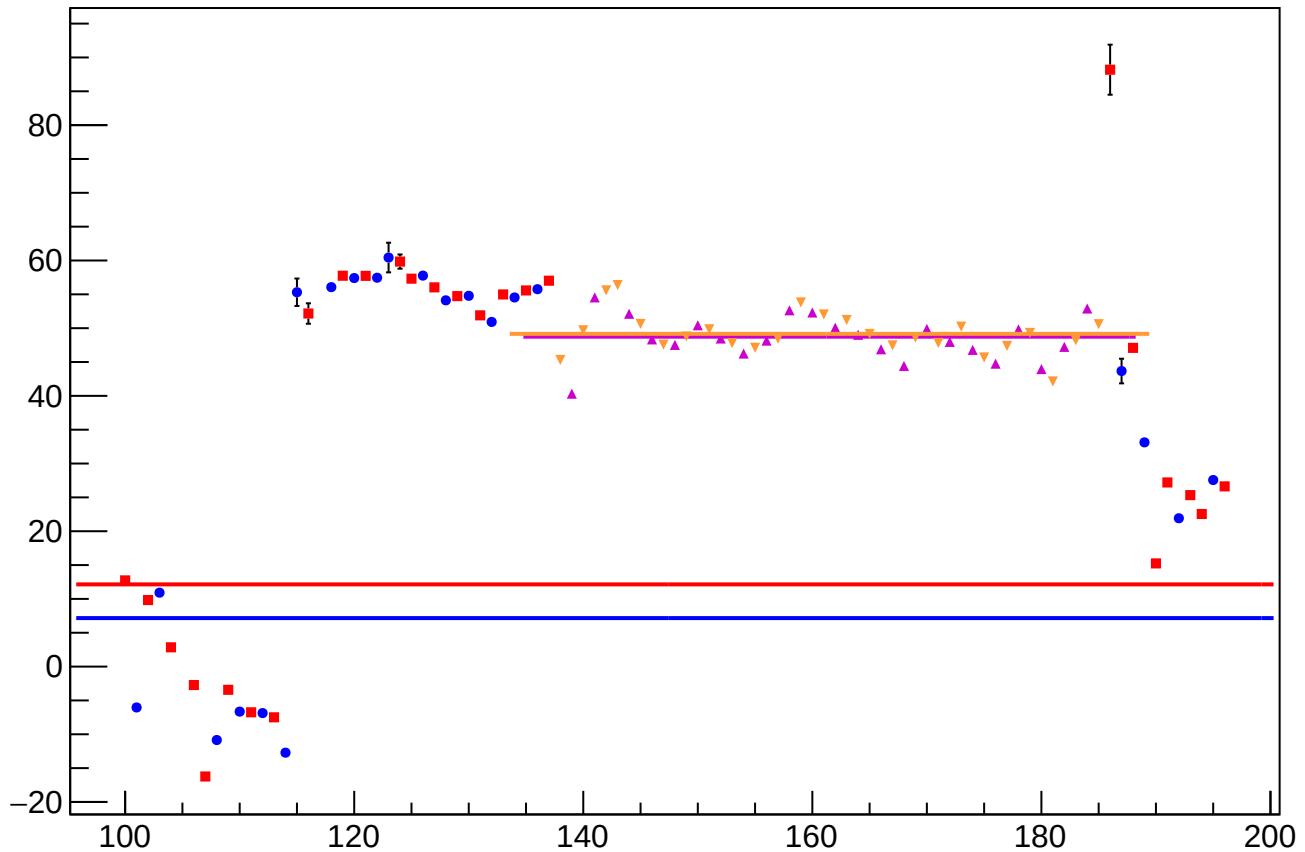
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.970 ± 0.053 χ^2/NDF : 11481.0/45

All: 3.587 ± 0.037 χ^2/NDF : 25997.6/94

- sign 3.239 ± 0.050 χ^2/NDF : 14417.1/48

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 7.165 $\pm$ 0.063 χ^2 /NDF: 125513.3/20

Left Out: 49.163 $\pm$ 0.062 χ^2 /NDF: 2259.9/24

Right Out: 12.145 $\pm$ 0.066 χ^2 /NDF: 133298.7/25

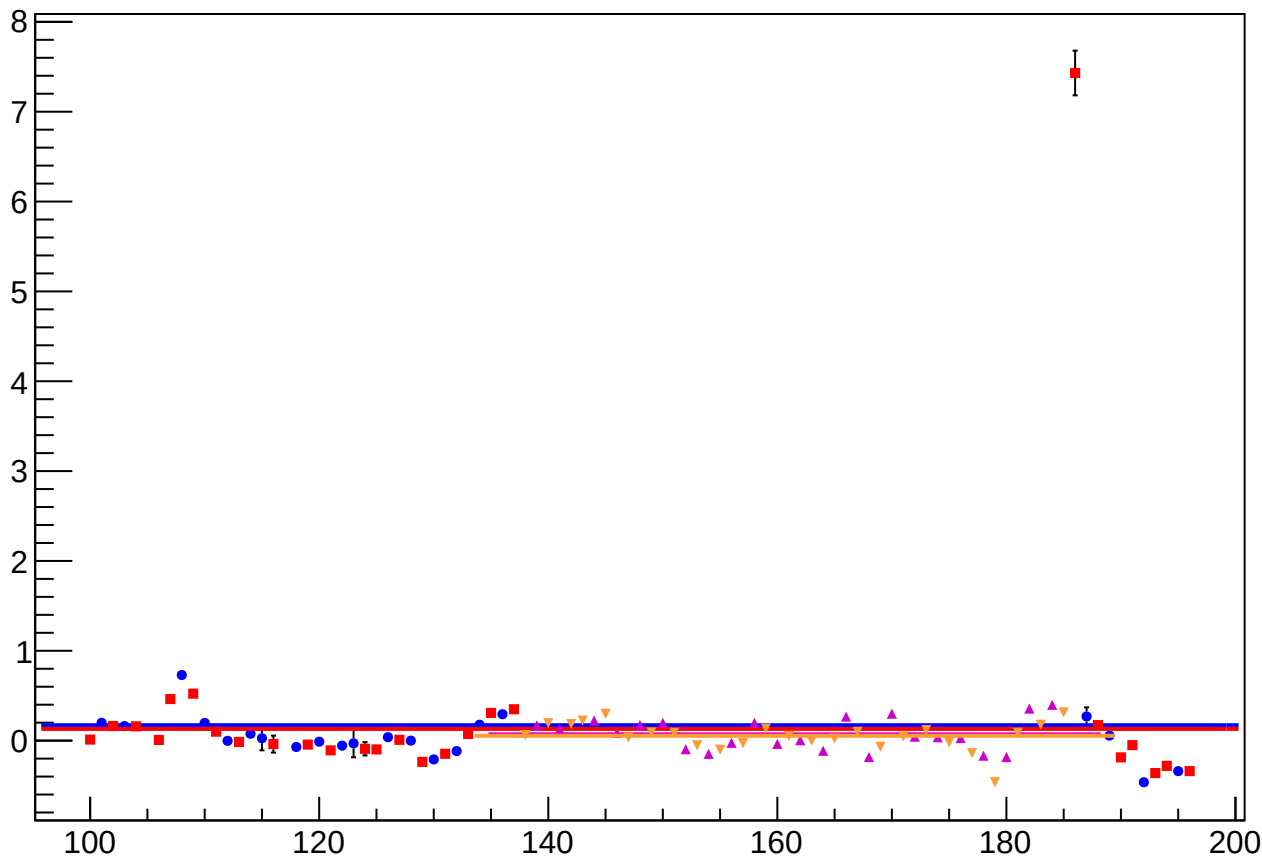
Left In: 48.744 $\pm$ 0.064 χ^2 /NDF: 2097.7/22

+ sign 28.701 $\pm$ 0.044 χ^2 /NDF: 353217.3/45

All: 29.844 $\pm$ 0.032 χ^2 /NDF: 649043.6/94

- sign 31.074 $\pm$ 0.046 χ^2 /NDF: 294438.4/48

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.172 $\pm$ 0.003 χ^2 /NDF: 7392.7/20

Left Out: 0.054 $\pm$ 0.003 χ^2 /NDF: 2379.8/24

Right Out: 0.130 $\pm$ 0.002 χ^2 /NDF: 7456.7/25

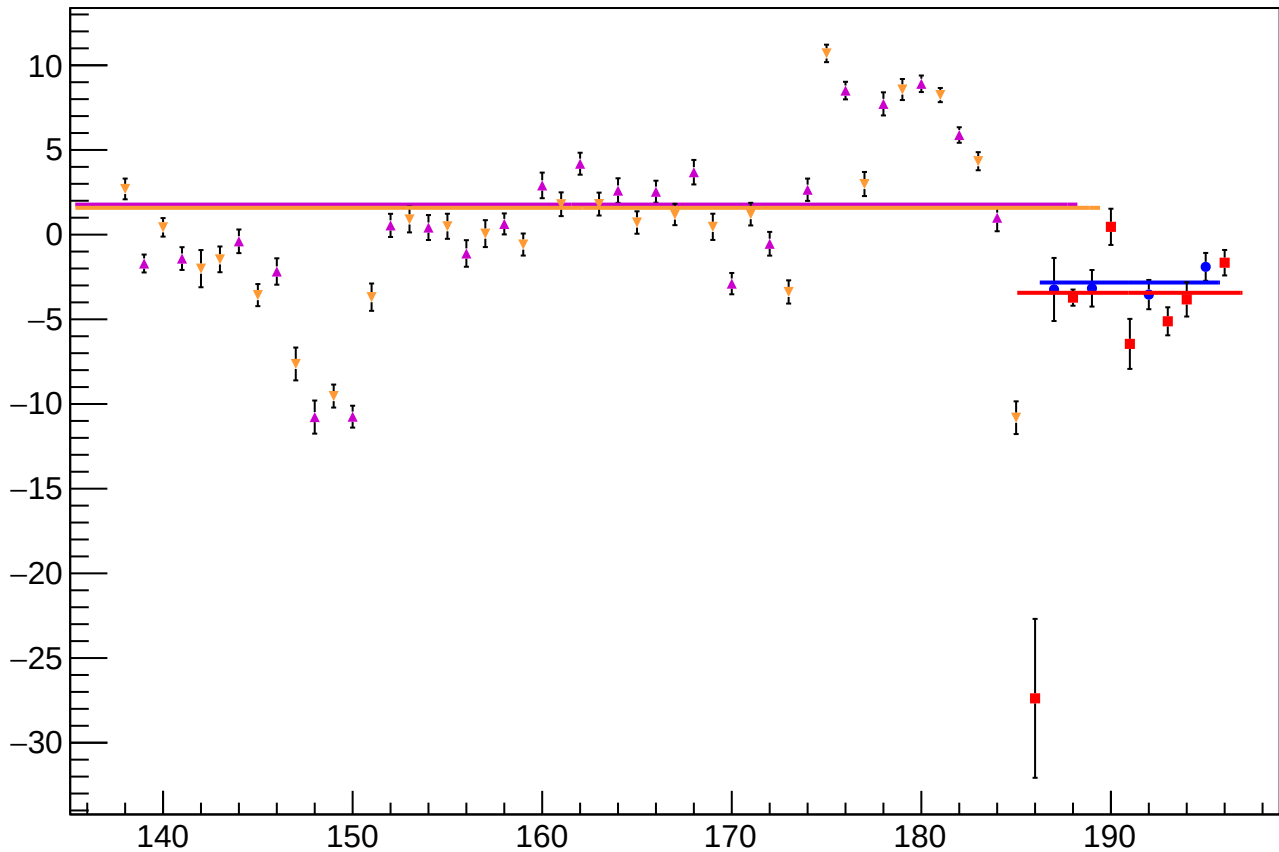
Left In: 0.070 $\pm$ 0.003 χ^2 /NDF: 3233.8/22

+ sign 0.116 $\pm$ 0.002 χ^2 /NDF: 10692.2/45

All: 0.110 $\pm$ 0.001 χ^2 /NDF: 21651.9/94

- sign 0.104 $\pm$ 0.002 χ^2 /NDF: 10940.1/48

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.827 ± 0.502 χ^2/NDF : 2.1/3

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.435 ± 0.317 χ^2/NDF : 53.7/6

Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 1.296 ± 0.128 χ^2/NDF : 1533.1/28

All: 1.128 ± 0.089 χ^2/NDF : 3116.5/58

- sign 0.970 ± 0.124 χ^2/NDF : 1580.1/29

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -63.460 ± 0.209 $\chi^2/\text{NDF}: 3825.2/20$

Left Out: -54.707 ± 0.106 $\chi^2/\text{NDF}: 1126.0/24$

Right Out: -64.919 ± 0.185 $\chi^2/\text{NDF}: 7388.6/25$

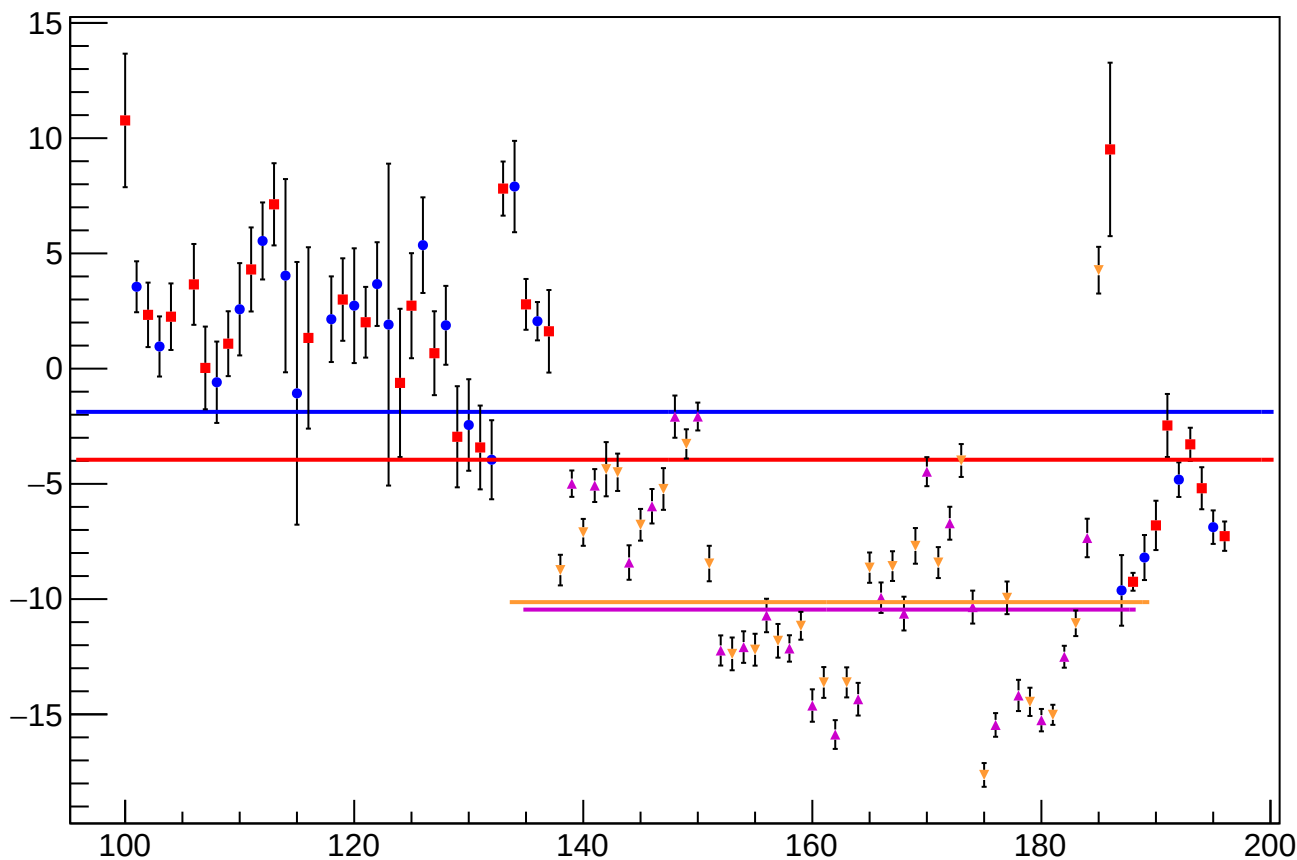
Left In: -54.650 ± 0.110 $\chi^2/\text{NDF}: 1077.1/22$

+ sign -56.493 ± 0.094 $\chi^2/\text{NDF}: 6350.1/45$

All: -56.905 ± 0.067 $\chi^2/\text{NDF}: 17127.4/94$

- sign -57.318 ± 0.094 $\chi^2/\text{NDF}: 10739.1/48$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -1.876 ± 0.299 $\chi^2/\text{NDF}: 269.1/20$

Left Out: -10.131 ± 0.133 $\chi^2/\text{NDF}: 1055.4/24$

Right Out: -3.953 ± 0.222 $\chi^2/\text{NDF}: 593.8/25$

Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

+ sign -8.769 ± 0.121 $\chi^2/\text{NDF}: 1962.0/45$

All: -8.734 ± 0.084 $\chi^2/\text{NDF}: 4187.5/94$

- sign -8.703 ± 0.115 $\chi^2/\text{NDF}: 2225.4/48$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -29.148 ± 0.239 χ^2/NDF : 6226.6/20

Left Out: -38.006 ± 0.119 χ^2/NDF : 946.0/24

Right Out: -26.655 ± 0.217 χ^2/NDF : 10066.2/25

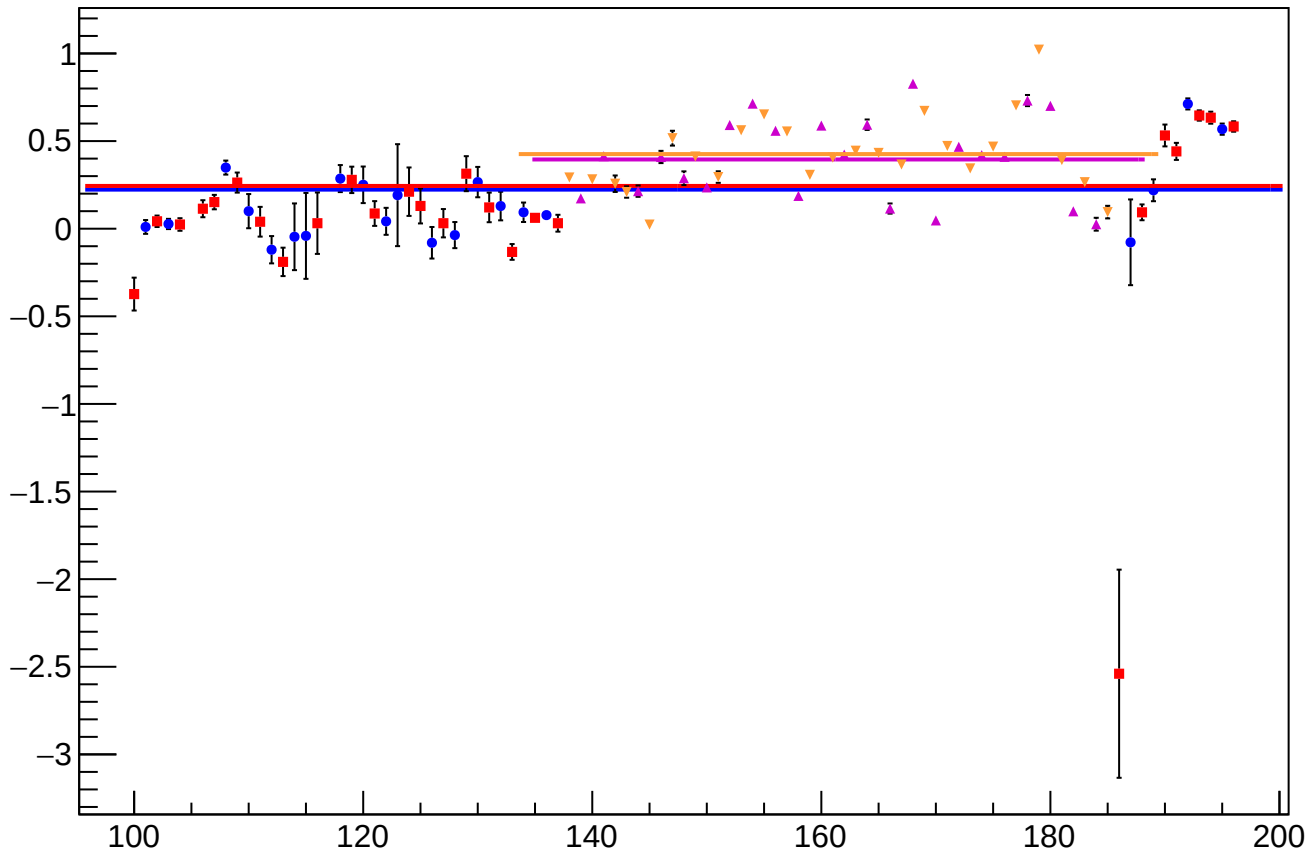
Left In: -37.809 ± 0.122 χ^2/NDF : 1039.9/22

+ sign -36.255 ± 0.106 χ^2/NDF : 8272.6/45

All: -35.691 ± 0.075 χ^2/NDF : 21436.9/94

- sign -35.125 ± 0.107 χ^2/NDF : 13107.9/48

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.223 ± 0.011 χ^2/NDF : 544.7/20

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.244 ± 0.010 χ^2/NDF : 836.4/25

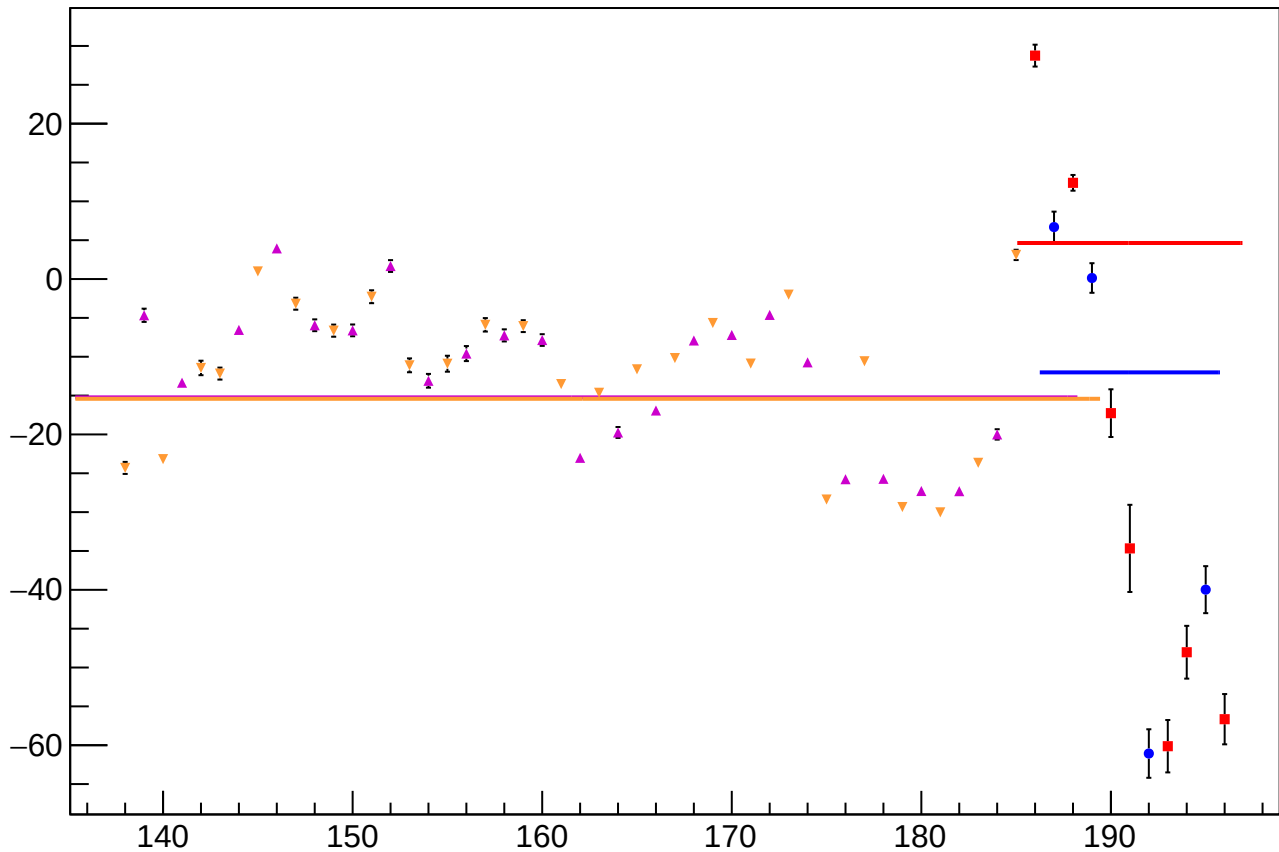
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.386 ± 0.005 χ^2/NDF : 2126.2/45

All: 0.372 ± 0.003 χ^2/NDF : 4968.6/94

- sign 0.358 ± 0.005 χ^2/NDF : 2824.9/48

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -12.013+/-1.162 χ^2/NDF : 461.5/3

Left Out: -15.413+/-0.105 χ^2/NDF : 10509.1/24

Right Out: 4.639+/-0.728 χ^2/NDF : 1419.4/6

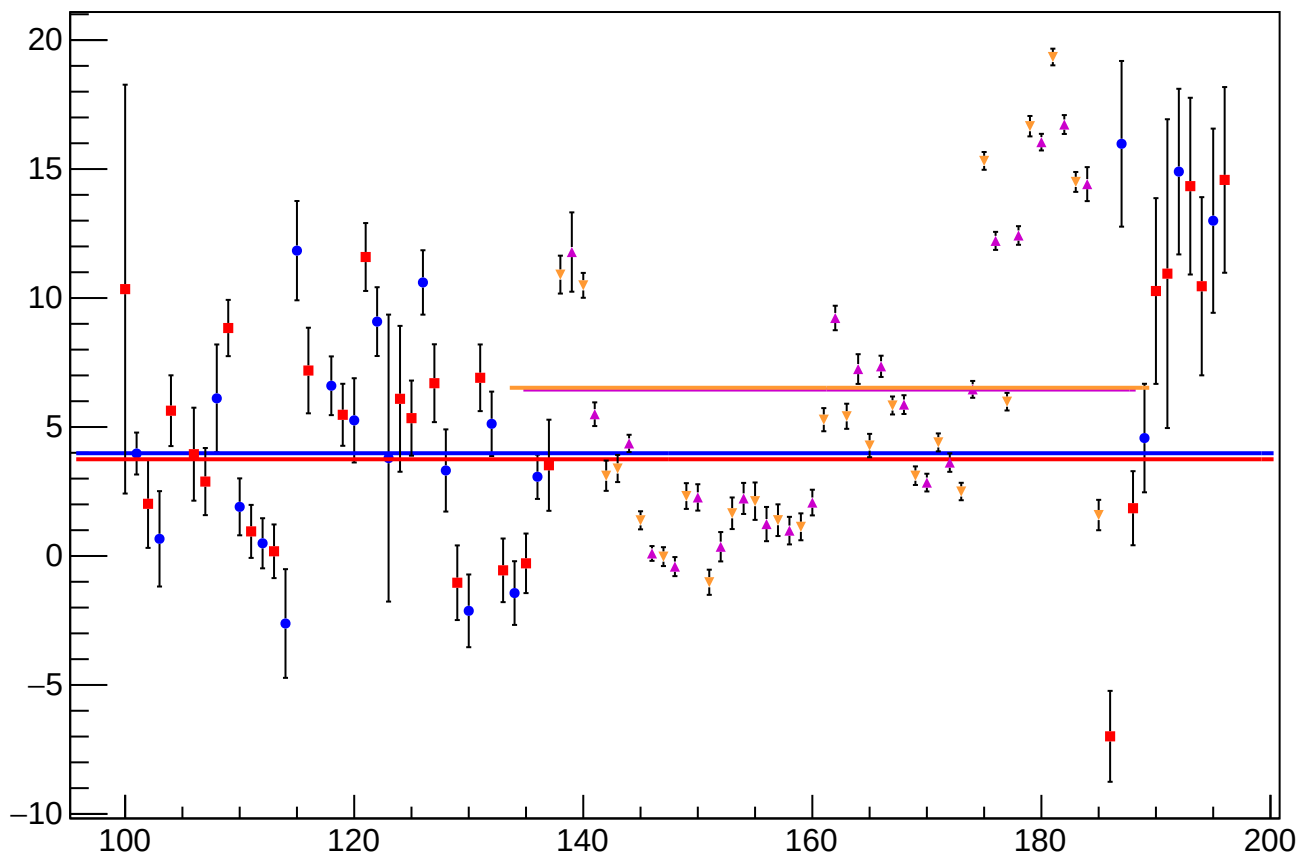
Left In: -15.229+/-0.107 χ^2/NDF : 8657.3/22

+ sign -15.385+/-0.105 χ^2/NDF : 10979.1/28

All: -15.100+/-0.074 χ^2/NDF : 21799.7/58

- sign -14.812+/-0.106 χ^2/NDF : 10805.7/29

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.983 ± 0.304 χ^2/NDF : 168.0/20

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.749 ± 0.300 χ^2/NDF : 199.9/25

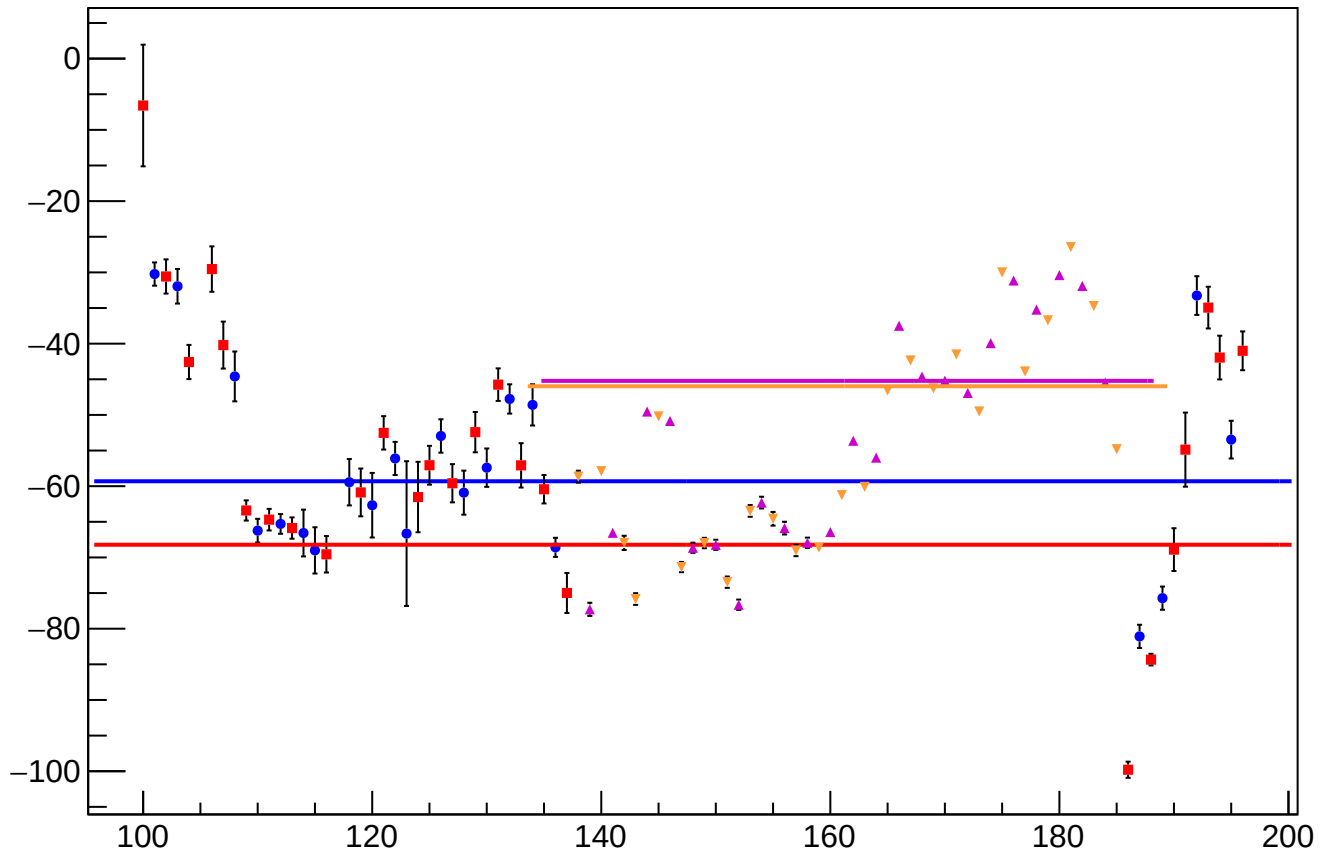
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.335 ± 0.082 χ^2/NDF : 5217.9/45

All: 6.291 ± 0.058 χ^2/NDF : 9441.5/94

- sign 6.246 ± 0.083 χ^2/NDF : 4223.0/48

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -59.310 ± 0.476 χ^2/NDF : 993.3/20

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -68.219 ± 0.400 χ^2/NDF : 2368.2/25

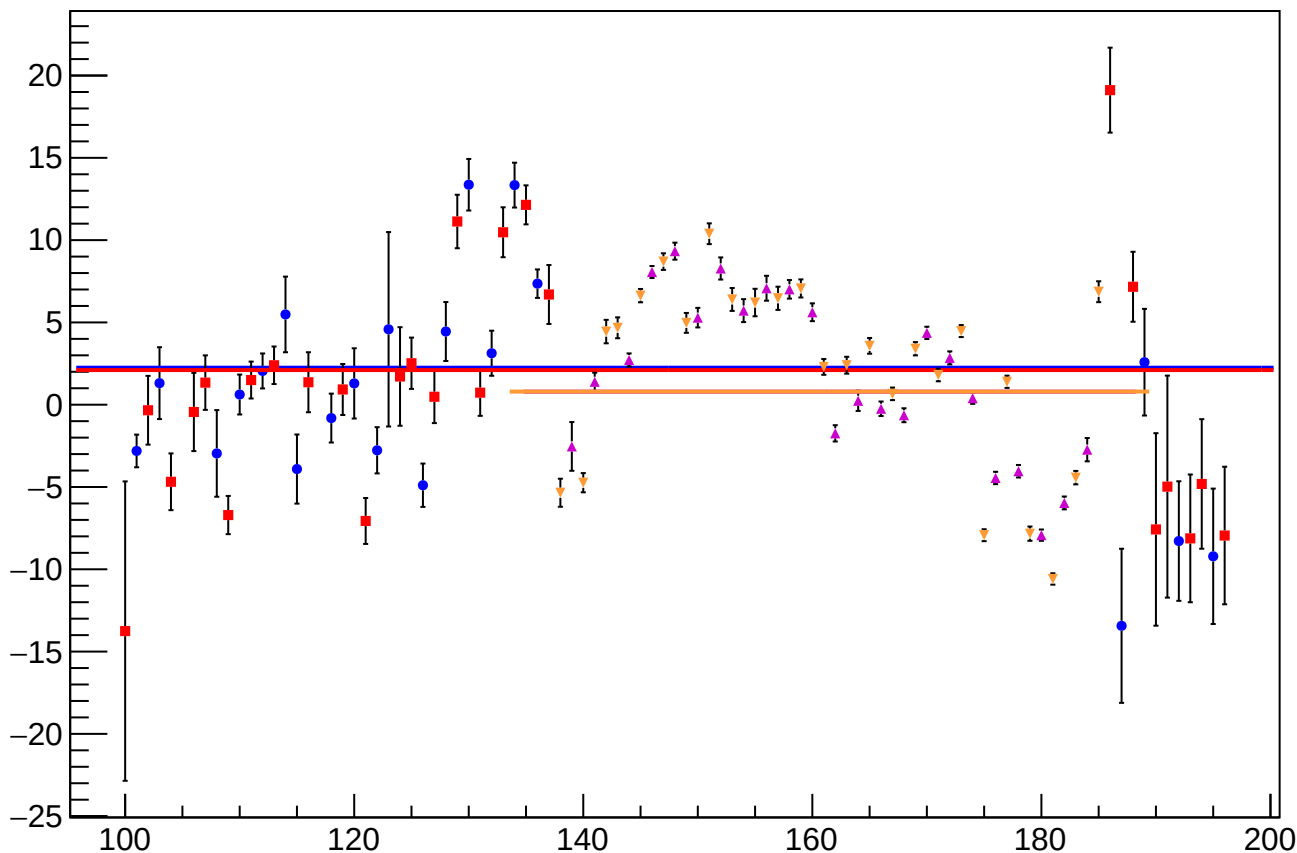
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.614 ± 0.104 χ^2/NDF : 19099.1/45

All: -46.689 ± 0.073 χ^2/NDF : 40154.3/94

- sign -46.764 ± 0.104 χ^2/NDF : 21054.1/48

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248 $\pm$ 0.342 χ^2 /NDF: 270.2/20

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 2.105 $\pm$ 0.343 χ^2 /NDF: 333.7/25

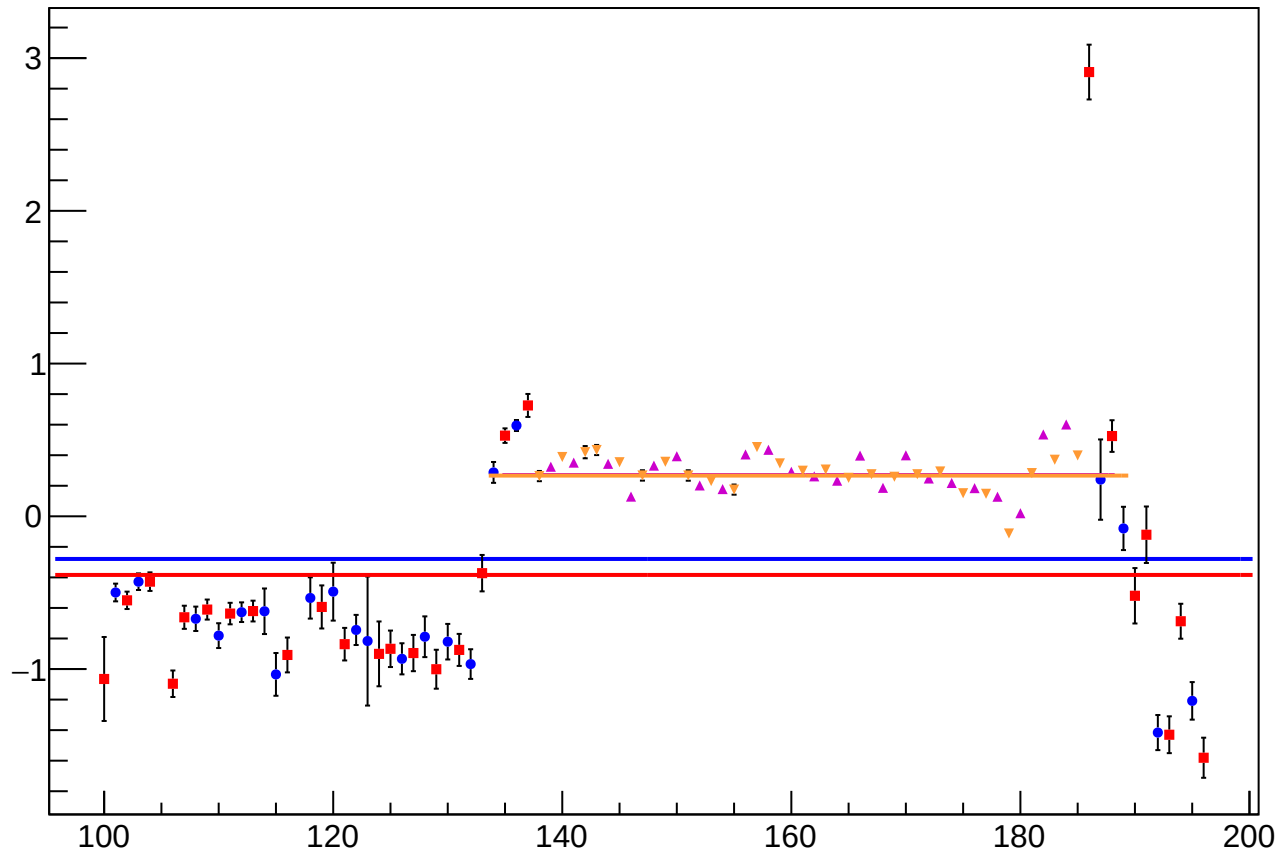
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.902 $\pm$ 0.092 χ^2 /NDF: 4046.8/45

All: 0.896 $\pm$ 0.065 χ^2 /NDF: 7086.6/94

- sign 0.889 $\pm$ 0.093 χ^2 /NDF: 3039.8/48

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.279 ± 0.018 χ^2/NDF : 1124.0/20

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.384 ± 0.018 χ^2/NDF : 1426.9/25

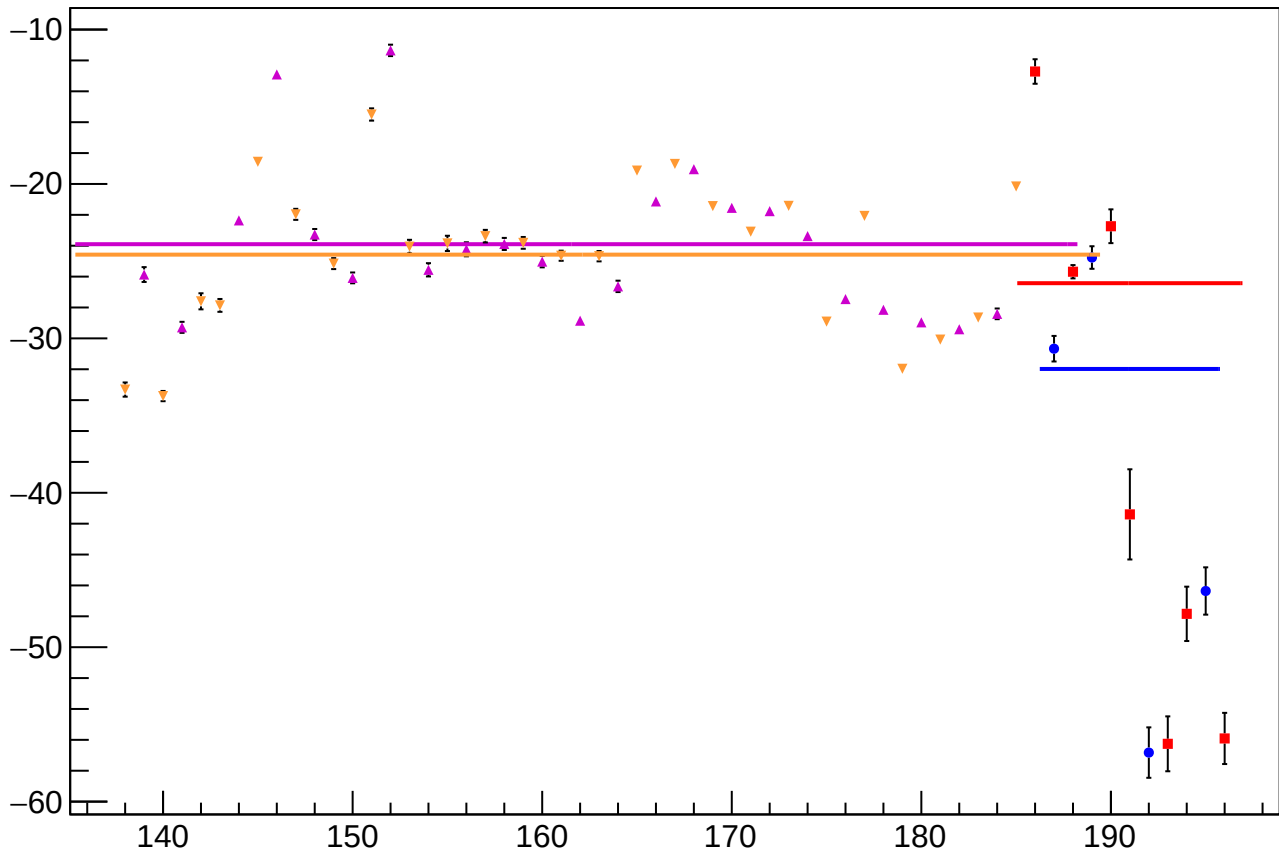
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.237 ± 0.004 χ^2/NDF : 2668.9/45

All: 0.235 ± 0.003 χ^2/NDF : 6338.5/94

- sign 0.232 ± 0.004 χ^2/NDF : 3668.9/48

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -31.981±/-0.492 χ^2/NDF : 419.7/3

Left Out: -24.577±/-0.051 χ^2/NDF : 8590.4/24

Right Out: -26.426±/-0.335 χ^2/NDF : 1085.1/6

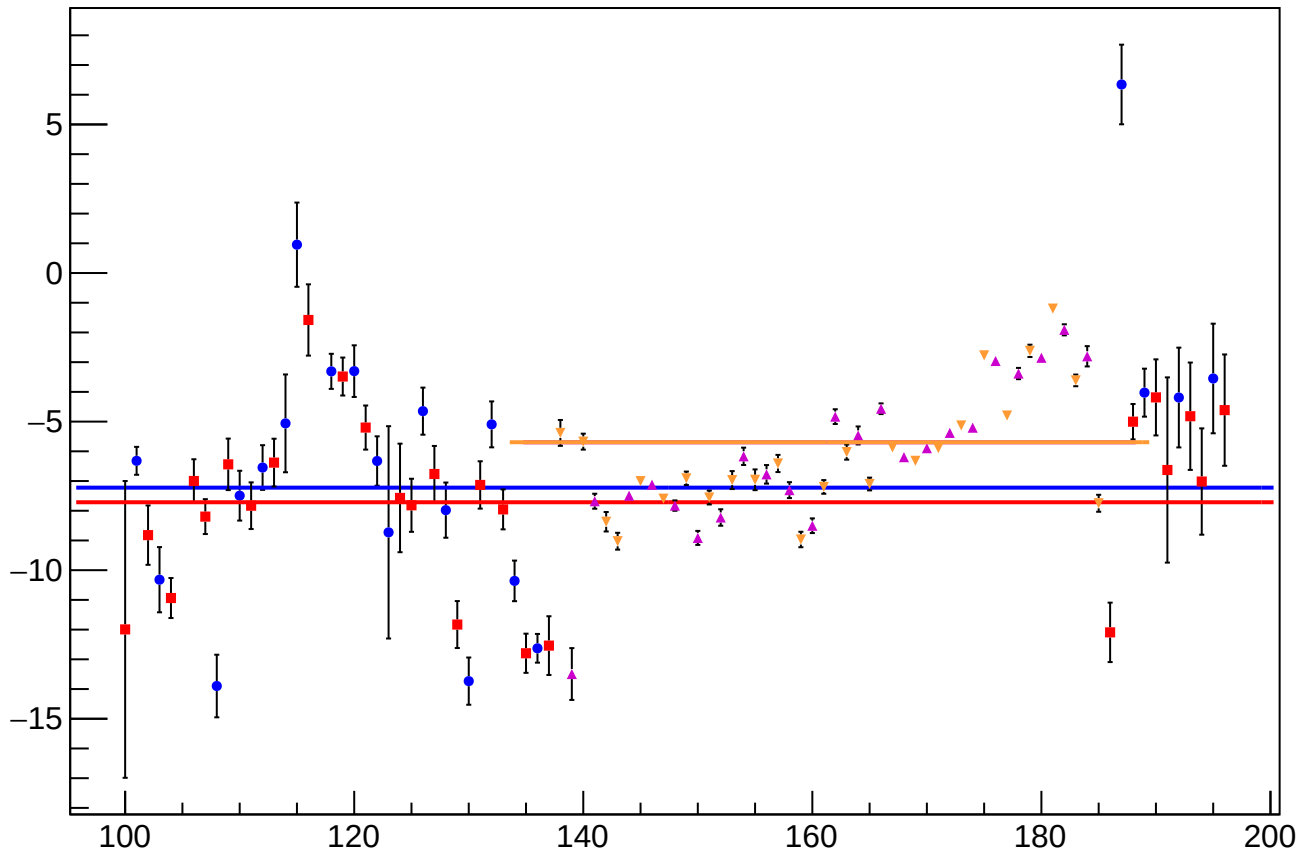
Left In: -23.901±/-0.051 χ^2/NDF : 9154.9/22

+ sign -24.656±/-0.051 χ^2/NDF : 9234.4/28

All: -24.306±/-0.036 χ^2/NDF : 19625.0/58

- sign -23.959±/-0.051 χ^2/NDF : 10295.6/29

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.223 ± 0.179 χ^2/NDF : 511.0/20

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.714 ± 0.171 χ^2/NDF : 278.2/25

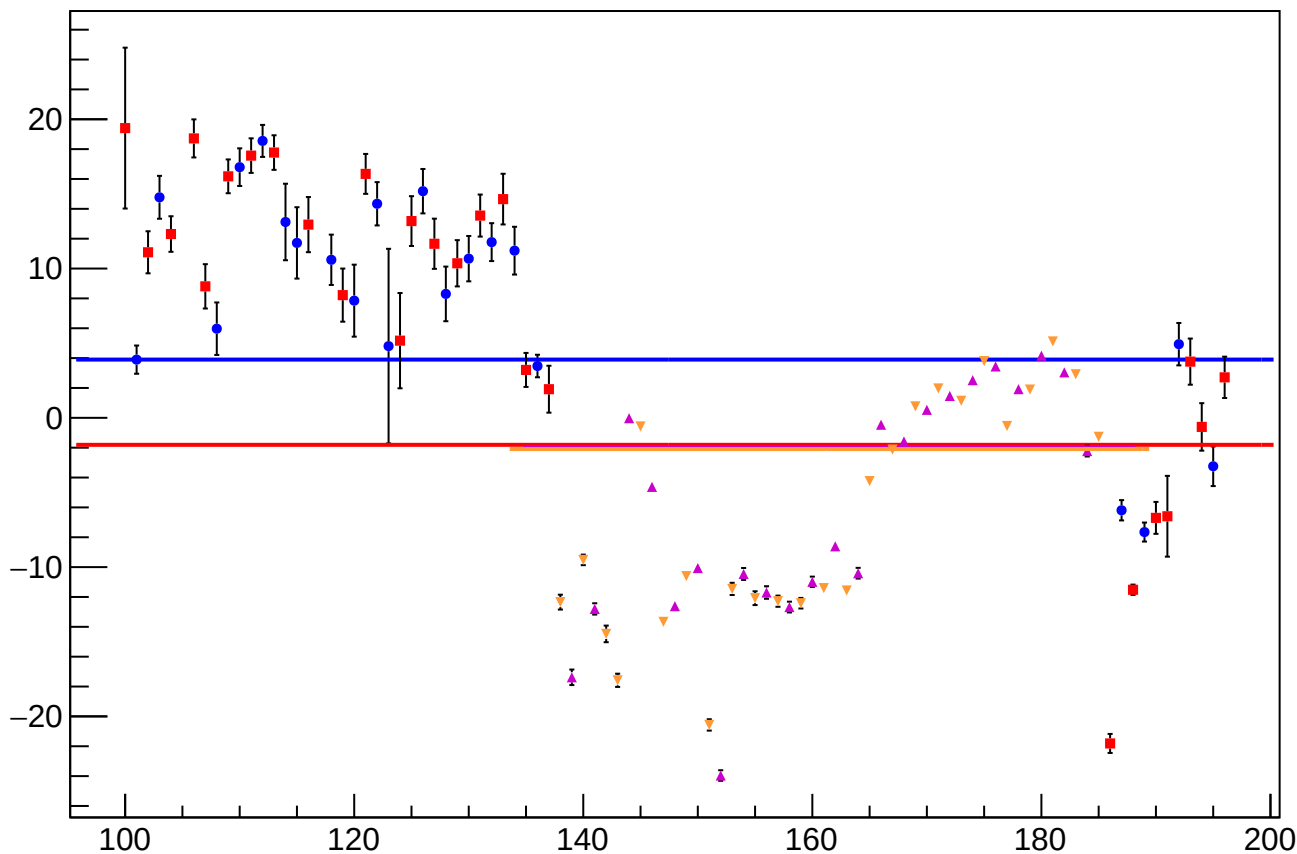
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.771 ± 0.040 χ^2/NDF : 2838.6/45

All: -5.788 ± 0.028 χ^2/NDF : 5559.1/94

- sign -5.805 ± 0.040 χ^2/NDF : 2720.2/48

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 3.902 ± 0.263 $\chi^2/\text{NDF}: 1165.7/20$

Left Out: -2.092 ± 0.051 $\chi^2/\text{NDF}: 16305.3/24$

Right Out: -1.808 ± 0.212 $\chi^2/\text{NDF}: 3918.3/25$

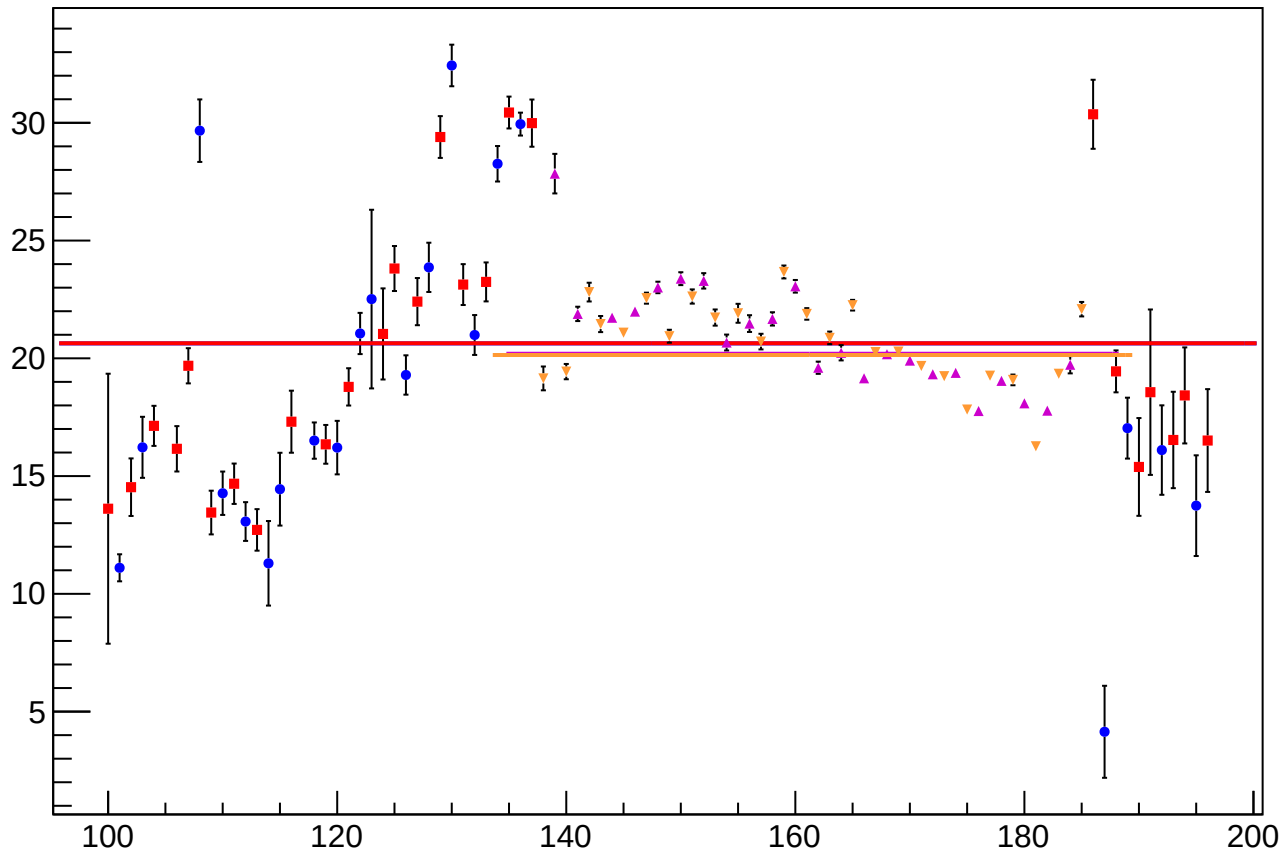
Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

+ sign -1.872 ± 0.050 $\chi^2/\text{NDF}: 17970.1/45$

All: -1.922 ± 0.035 $\chi^2/\text{NDF}: 37273.3/94$

- sign -1.971 ± 0.050 $\chi^2/\text{NDF}: 19301.2/48$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.633 $\pm$ 0.205 χ^2 /NDF: 1308.2/20

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF:1419.1/24

Right Out: 20.640 $\pm$ 0.201 χ^2 /NDF: 783.0/25

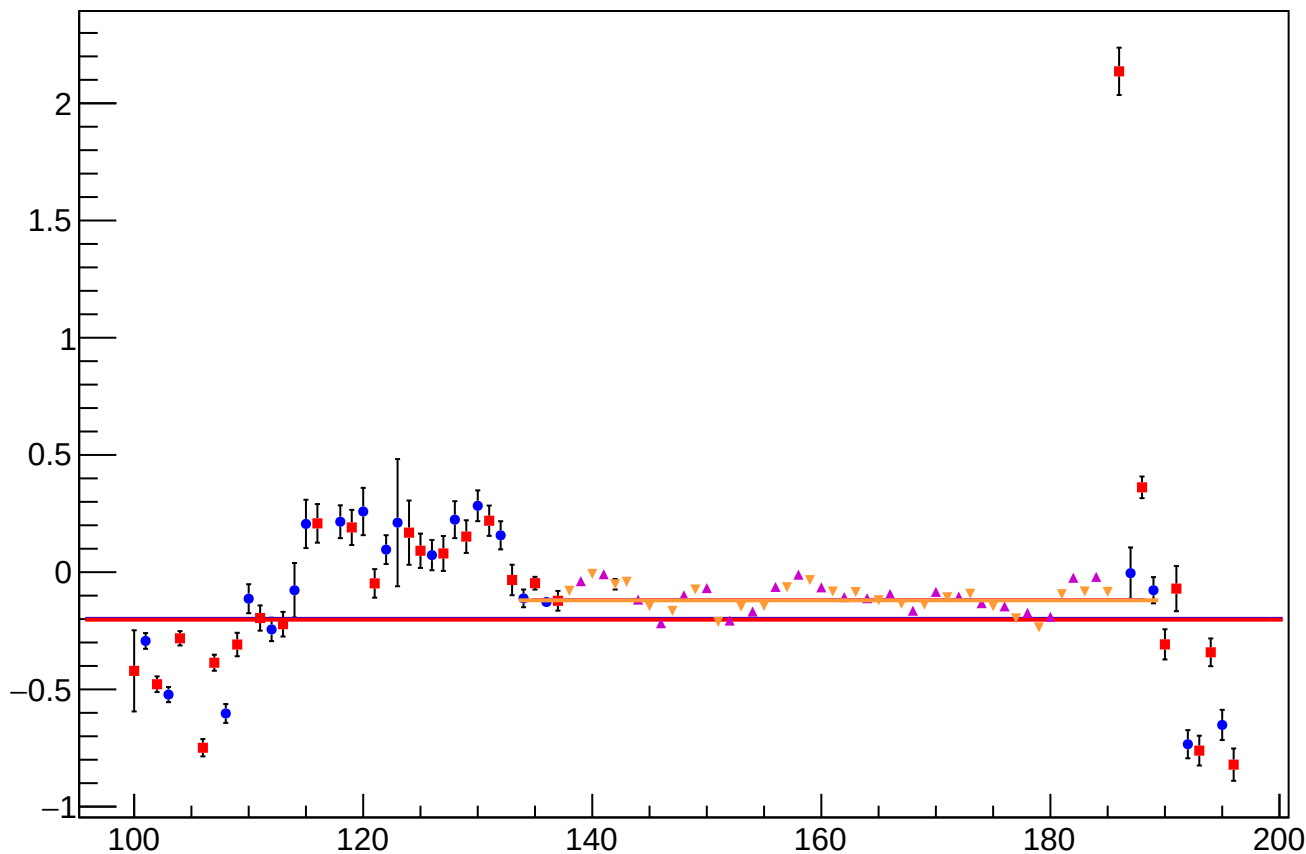
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF:1447.4/22

+ sign 20.164 $\pm$ 0.045 χ^2 /NDF: 2732.8/45

All: 20.190 $\pm$ 0.032 χ^2 /NDF: 4968.6/94

- sign 20.216 $\pm$ 0.045 χ^2 /NDF: 2235.1/48

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.199 ± 0.011 χ^2/NDF : 599.6/20

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.203 ± 0.010 χ^2/NDF : 1390.8/25

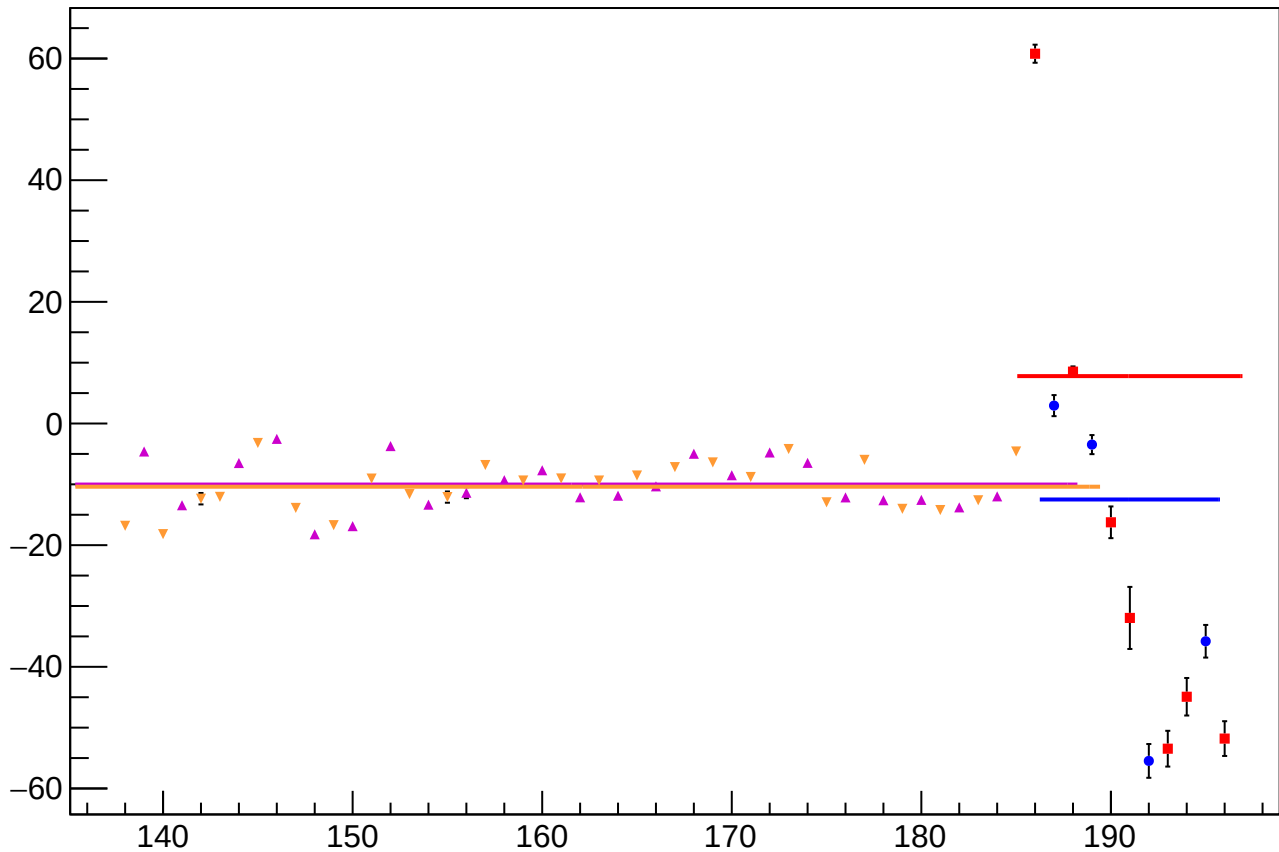
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.123 ± 0.002 χ^2/NDF : 1183.5/45

All: -0.123 ± 0.001 χ^2/NDF : 3363.3/94

- sign -0.122 ± 0.002 χ^2/NDF : 2179.7/48

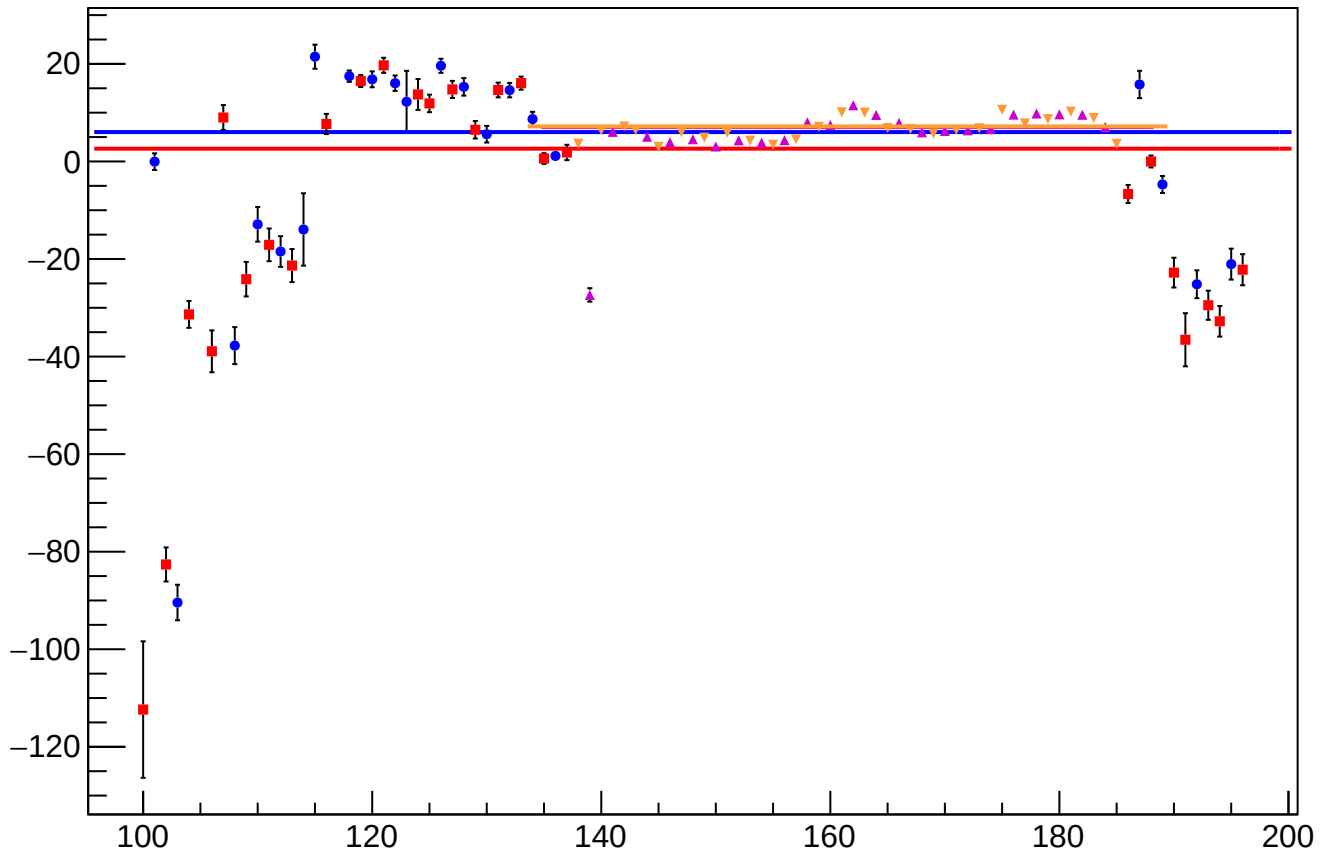
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -12.491 ± 0.996 χ^2/NDF : 427.5/3
 Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24
 Right Out: 7.792 ± 0.654 χ^2/NDF : 2578.2/6
 Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.407 ± 0.087 χ^2/NDF : 2543.5/28
 All: -10.062 ± 0.062 χ^2/NDF : 7640.7/58
 - sign -9.708 ± 0.089 χ^2/NDF : 5065.7/29

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 6.024 ± 0.386 χ^2/NDF : 1596.1/20

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 2.621 ± 0.386 χ^2/NDF : 2029.0/25

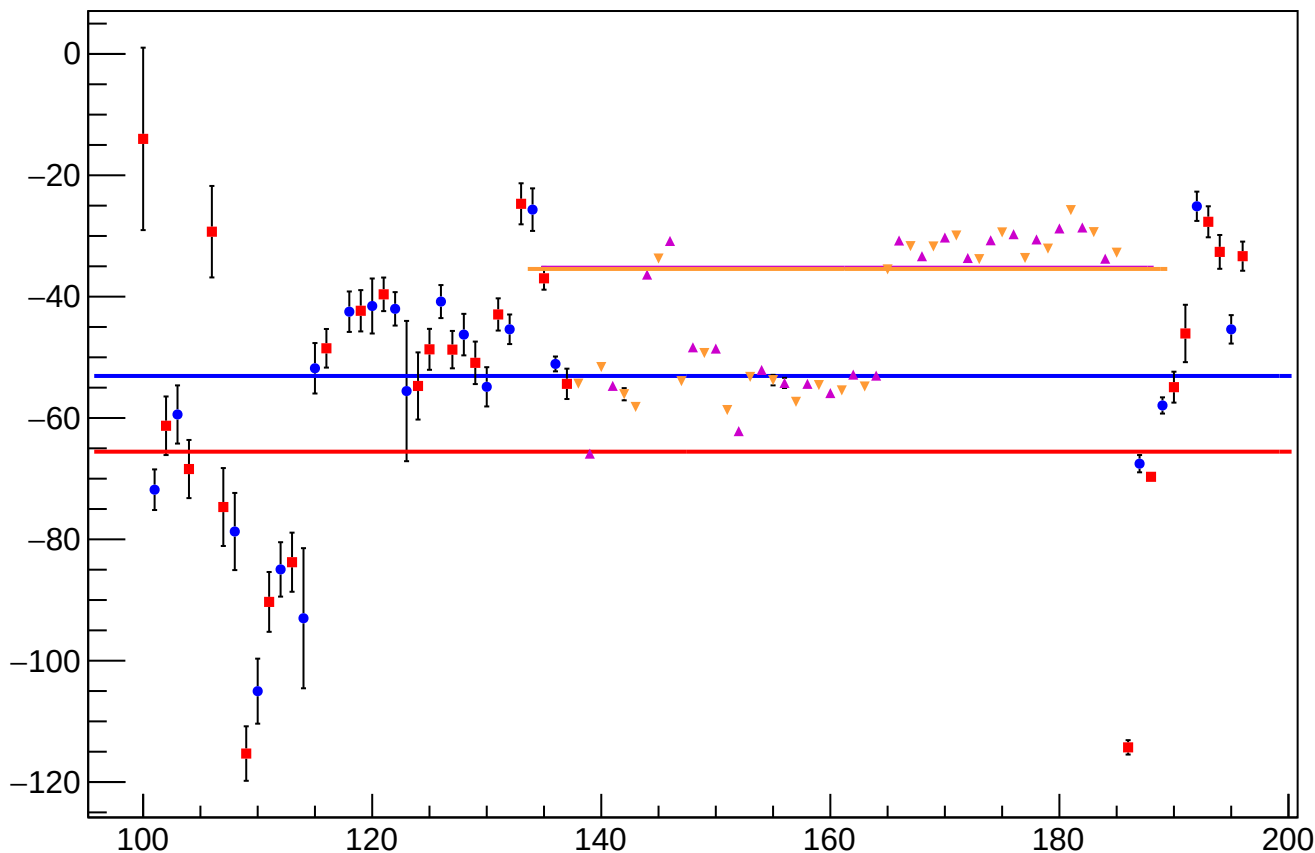
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.144 ± 0.072 χ^2/NDF : 2522.2/45

All: 7.020 ± 0.051 χ^2/NDF : 6220.0/94

- sign 6.895 ± 0.073 χ^2/NDF : 3691.9/48

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -53.071 $\pm$ 0.557 χ^2 /NDF: 598.3/20

Left Out: -35.434 $\pm$ 0.089 χ^2 /NDF:12782.8/24

Right Out: -65.550 $\pm$ 0.447 χ^2 /NDF: 3201.9/25

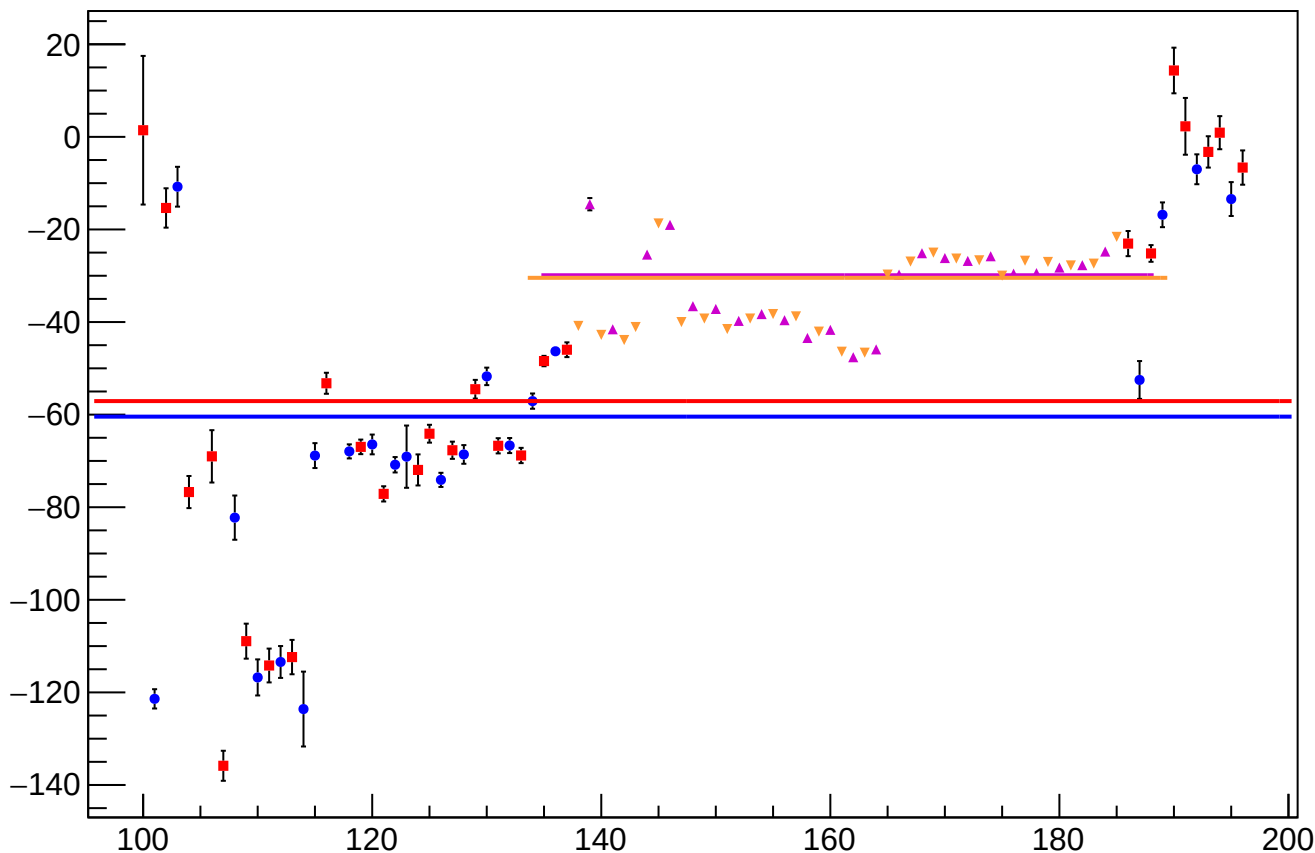
Left In: -35.229 $\pm$ 0.090 χ^2 /NDF:11602.9/22

+ sign -35.874 $\pm$ 0.088 χ^2 /NDF: 14359.0/45

All: -36.142 $\pm$ 0.062 χ^2 /NDF: 33608.9/94

- sign -36.414 $\pm$ 0.088 χ^2 /NDF: 19231.1/48

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -60.433 ± 0.433 χ^2/NDF : 2761.2/20

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -57.075 ± 0.446 χ^2/NDF : 3316.8/25

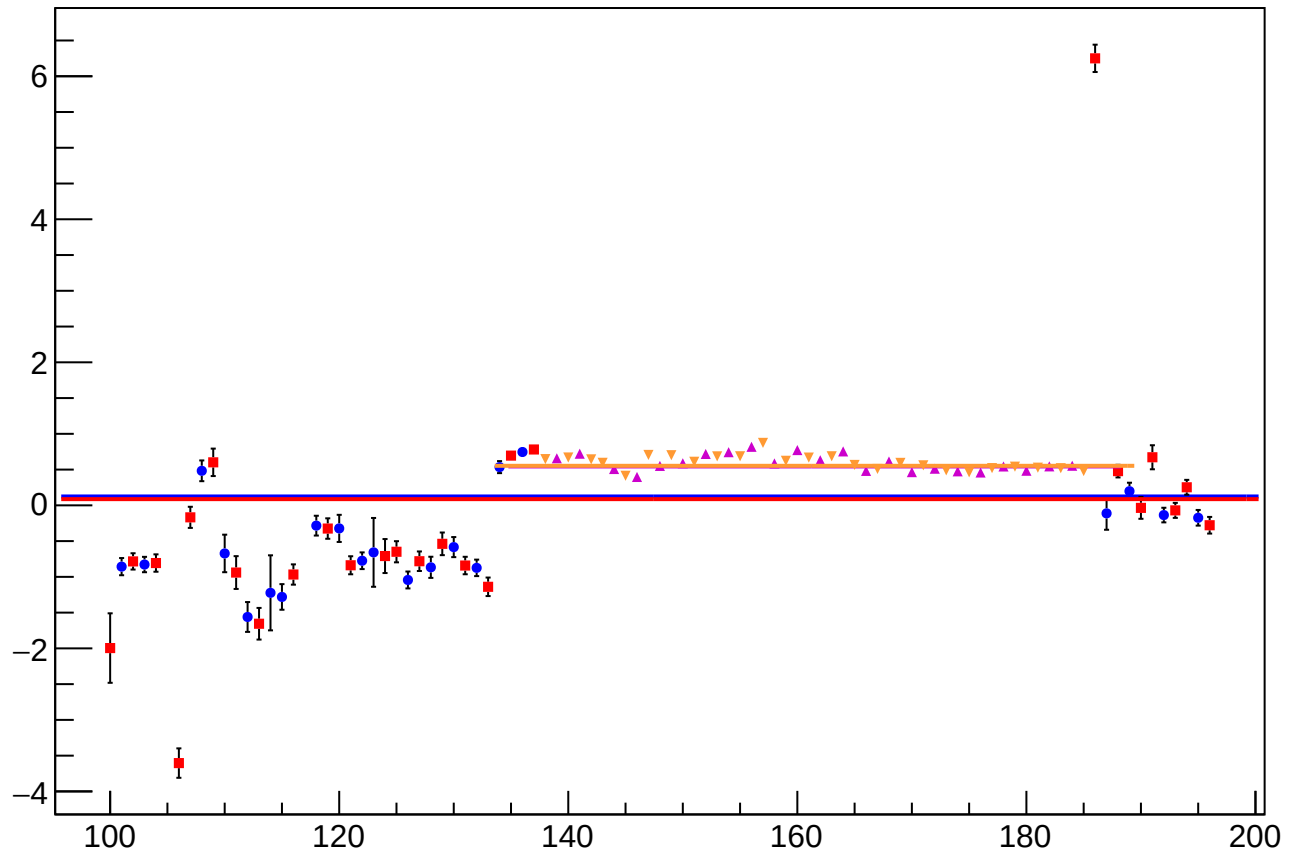
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.473 ± 0.080 χ^2/NDF : 15553.5/45

All: -31.137 ± 0.057 χ^2/NDF : 29608.5/94

- sign -30.792 ± 0.081 χ^2/NDF : 14019.3/48

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.124 $\pm$ 0.022 χ^2 /NDF: 1004.1/20

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.1/24

Right Out: 0.087 $\pm$ 0.023 χ^2 /NDF: 2277.1/25

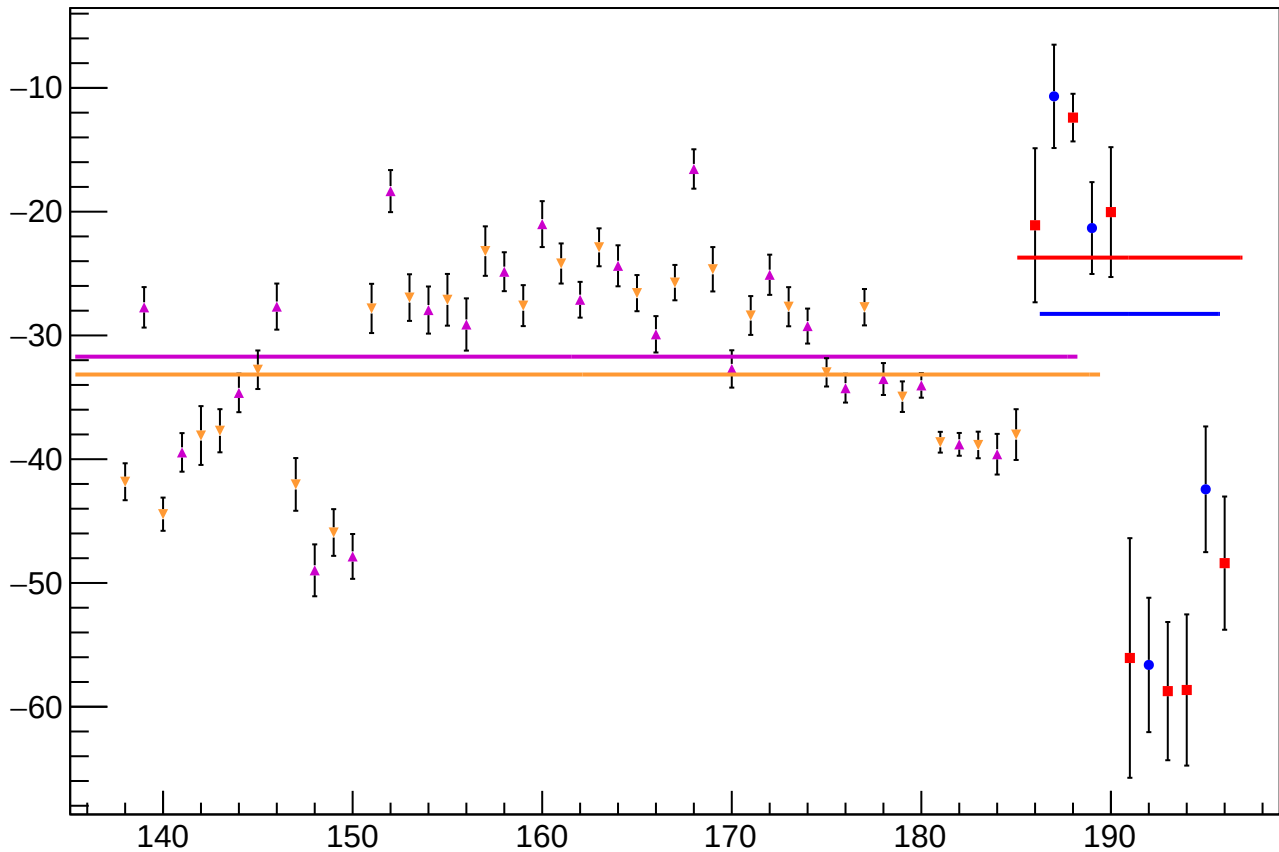
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:655.9/22

+ sign 0.541 $\pm$ 0.004 χ^2 /NDF: 1903.8/45

All: 0.536 $\pm$ 0.003 χ^2 /NDF: 5233.4/94

- sign 0.531 $\pm$ 0.004 χ^2 /NDF: 3325.9/48

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -28.259 ± 2.221 $\chi^2/\text{NDF}: 56.3/3$

Left Out: -33.157 ± 0.300 $\chi^2/\text{NDF}: 500.1/24$

Right Out: -23.711 ± 1.514 $\chi^2/\text{NDF}: 139.5/6$

Left In: -31.714 ± 0.309 $\chi^2/\text{NDF}: 542.3/22$

+ sign -33.069 ± 0.298 $\chi^2/\text{NDF}: 561.2/28$

All: -32.246 ± 0.212 $\chi^2/\text{NDF}: 1285.3/58$

- sign -31.394 ± 0.303 $\chi^2/\text{NDF}: 708.6/29$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -49.925 ± 0.704 $\chi^2/\text{NDF}: 1562.2/20$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -53.705 ± 0.711 $\chi^2/\text{NDF}: 2308.6/25$

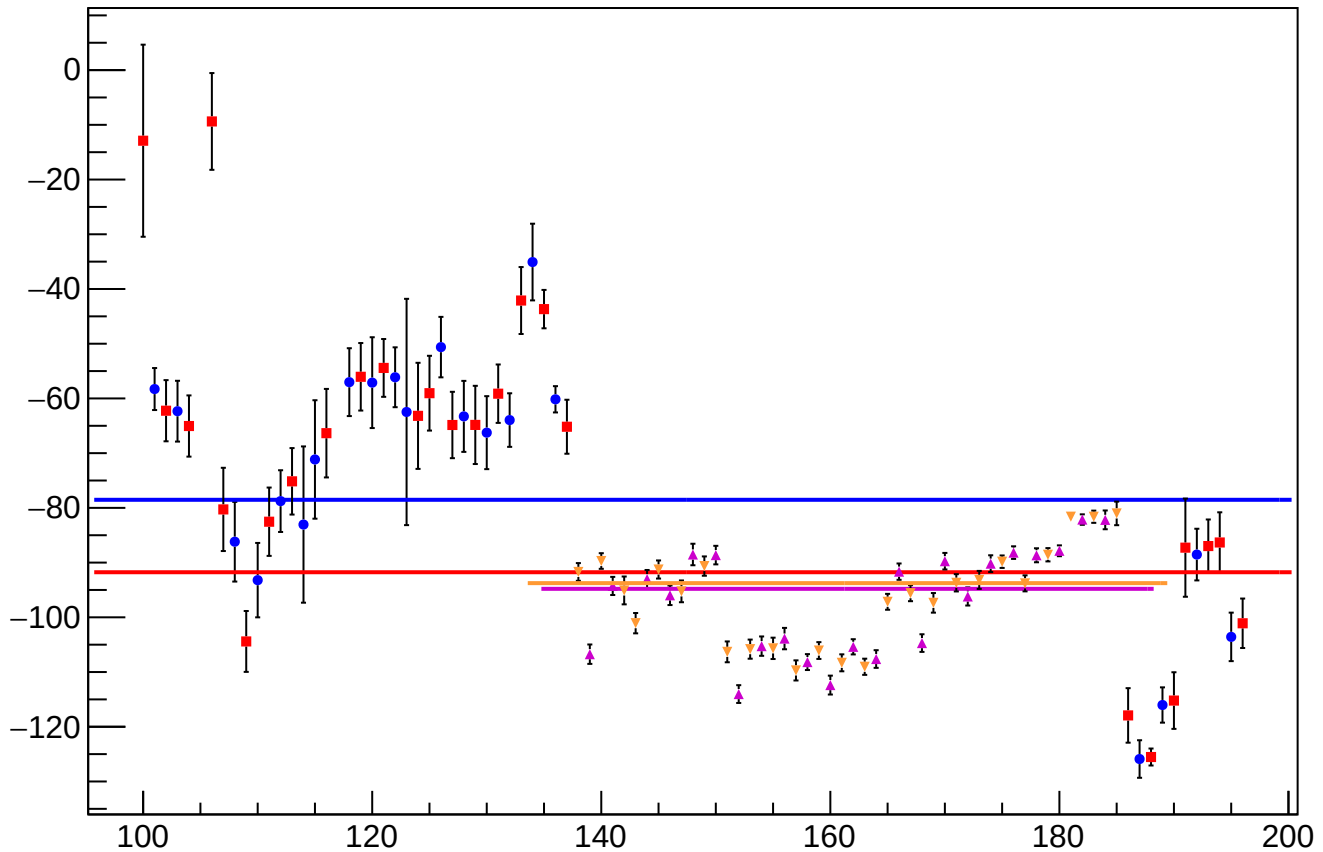
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -35.931 ± 0.228 $\chi^2/\text{NDF}: 2698.6/45$

All: -36.115 ± 0.164 $\chi^2/\text{NDF}: 7134.6/94$

- sign -36.311 ± 0.237 $\chi^2/\text{NDF}: 4434.7/48$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -78.523 ± 1.083 χ^2/NDF : 581.2/20

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -91.762 ± 0.931 χ^2/NDF : 1182.6/25

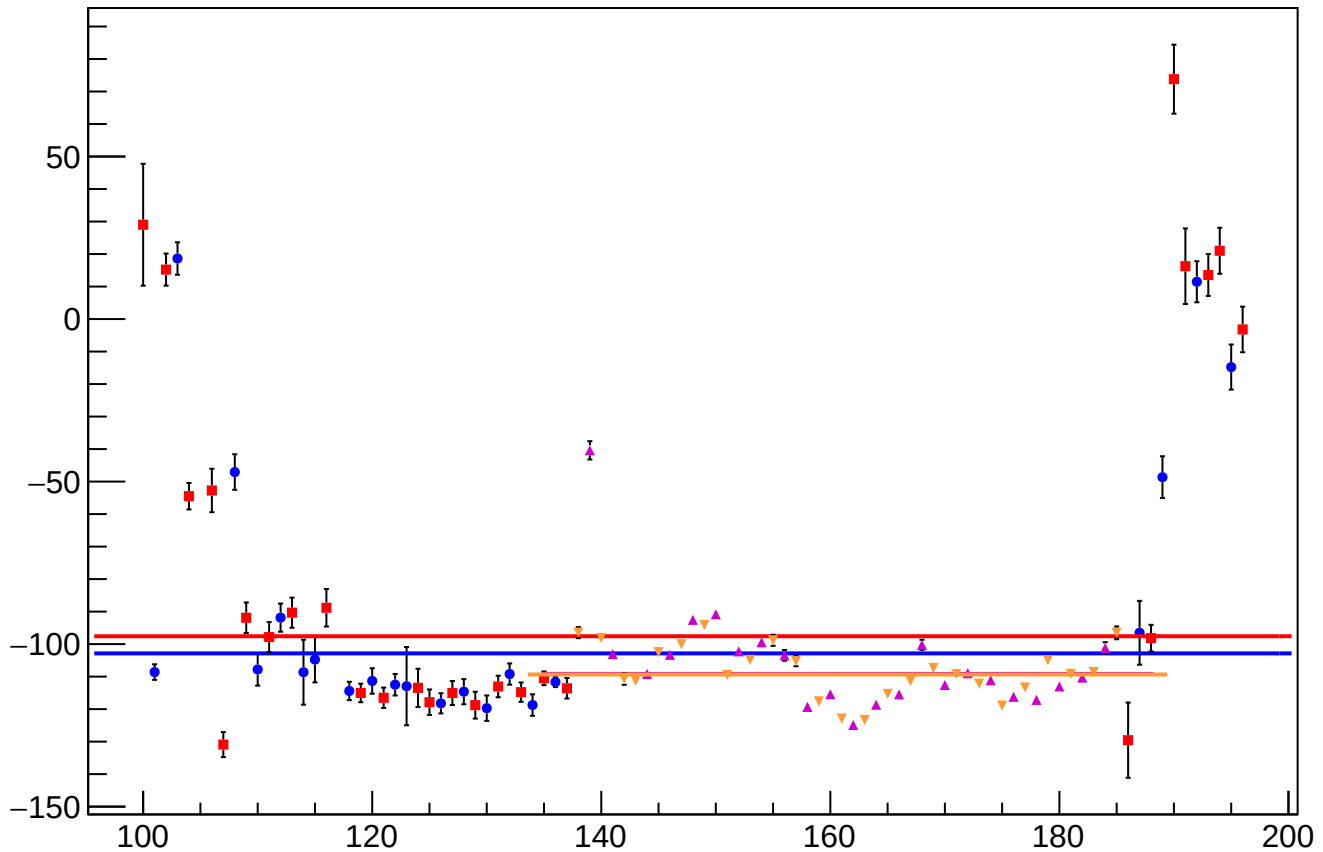
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.656 ± 0.291 χ^2/NDF : 1647.9/45

All: -93.569 ± 0.206 χ^2/NDF : 3834.6/94

- sign -94.496 ± 0.293 χ^2/NDF : 2166.8/48

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -102.857 ± 0.797 $\chi^2/\text{NDF}: 1412.2/20$

Left Out: -109.351 ± 0.271 $\chi^2/\text{NDF}: 826.8/24$

Right Out: -97.581 ± 0.819 $\chi^2/\text{NDF}: 2206.1/25$

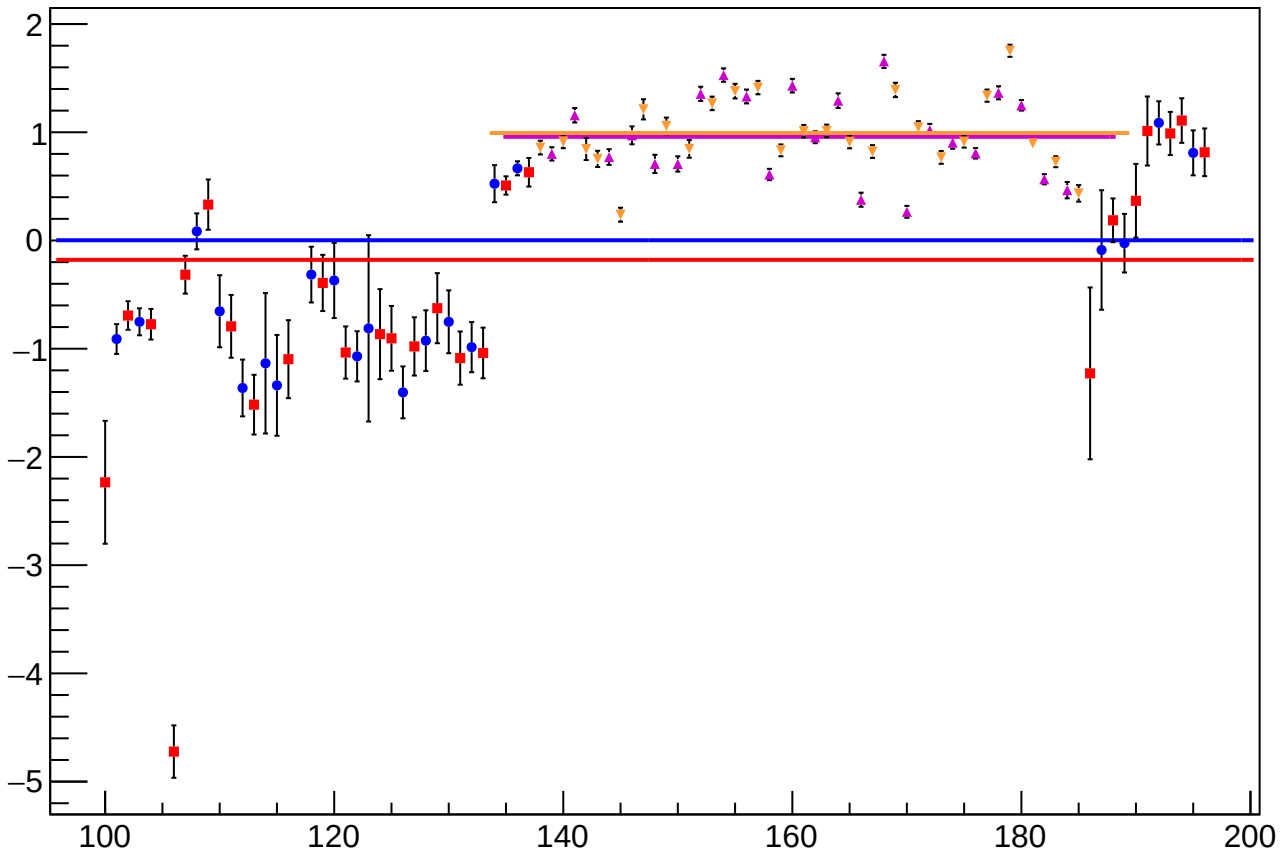
Left In: -109.184 ± 0.280 $\chi^2/\text{NDF}: 1501.1/22$

+ sign -108.677 ± 0.257 $\chi^2/\text{NDF}: 2298.6/45$

All: -108.335 ± 0.184 $\chi^2/\text{NDF}: 6189.3/94$

- sign -107.970 ± 0.265 $\chi^2/\text{NDF}: 3887.1/48$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.002 ± 0.040 χ^2/NDF : 376.9/20

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.179 ± 0.040 χ^2/NDF : 716.3/25

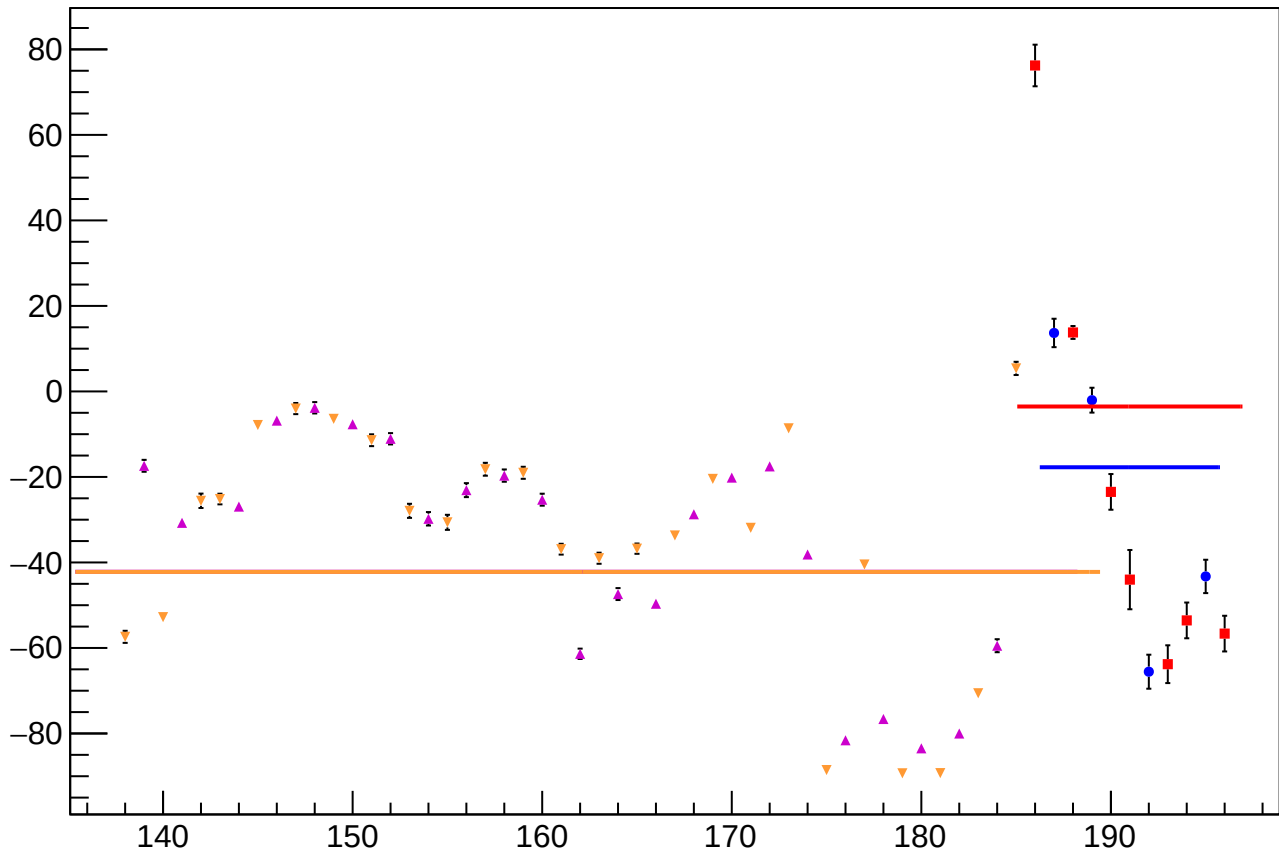
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.906 ± 0.012 χ^2/NDF : 1574.6/45

All: 0.880 ± 0.008 χ^2/NDF : 3933.5/94

- sign 0.854 ± 0.012 χ^2/NDF : 2349.3/48

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -17.736 ± 1.721 χ^2/NDF : 305.8/3

Left Out: -42.213 ± 0.222 χ^2/NDF : 18309.1/24

Right Out: -3.528 ± 1.174 χ^2/NDF : 948.7/6

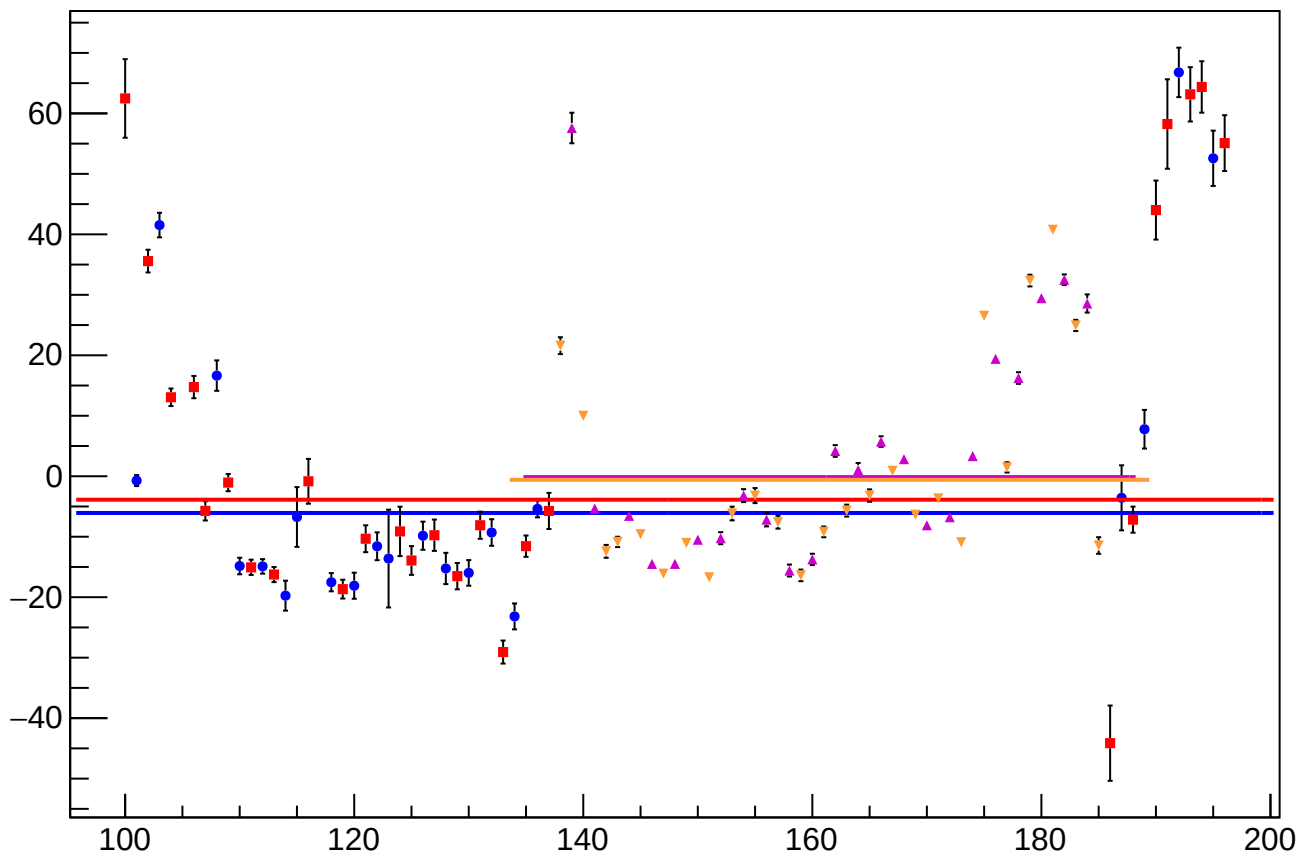
Left In: -42.176 ± 0.227 χ^2/NDF : 14575.9/22

+ sign -41.812 ± 0.220 χ^2/NDF : 18814.0/28

All: -41.303 ± 0.157 χ^2/NDF : 35394.9/58

- sign -40.781 ± 0.223 χ^2/NDF : 16570.1/29

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -6.072 ± 0.421 χ^2/NDF : 1490.6/20

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: -3.878 ± 0.412 χ^2/NDF : 2176.6/25

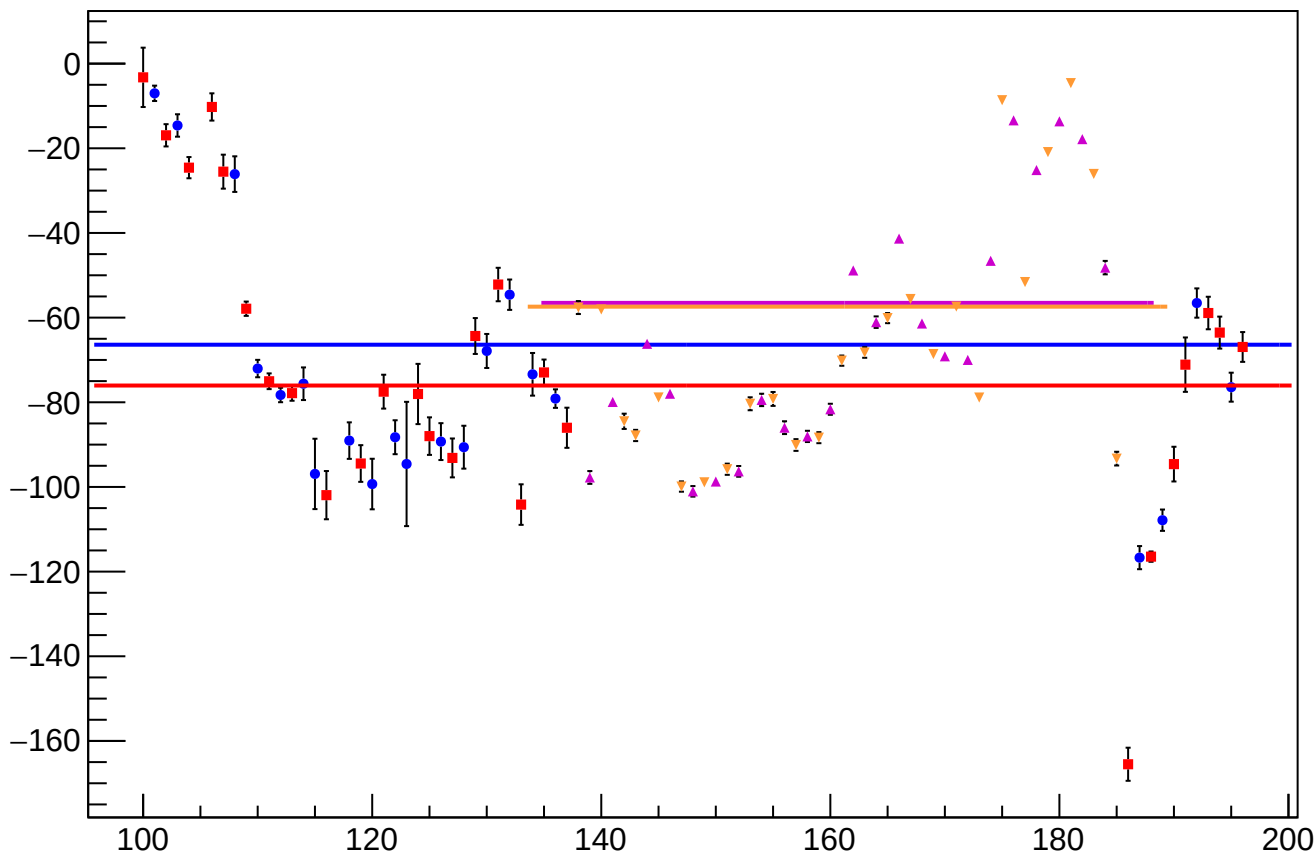
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -1.390 ± 0.161 χ^2/NDF : 10386.0/45

All: -1.069 ± 0.115 χ^2/NDF : 19502.1/94

- sign -0.735 ± 0.164 χ^2/NDF : 9108.0/48

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.401 ± 0.666 χ^2/NDF : 2432.8/20

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -76.043 ± 0.572 χ^2/NDF : 3555.0/25

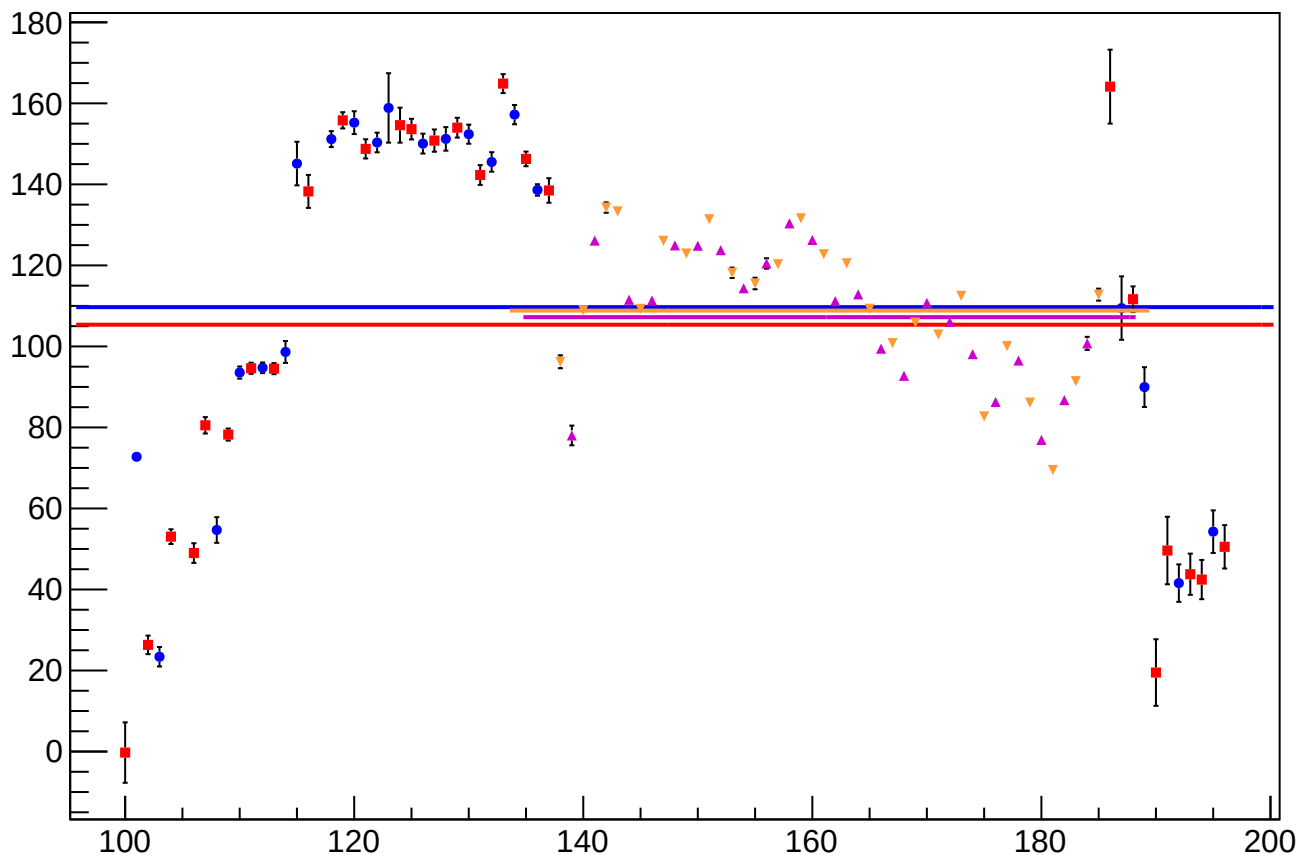
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.320 ± 0.212 χ^2/NDF : 21200.4/45

All: -58.748 ± 0.149 χ^2/NDF : 42121.9/94

- sign -59.174 ± 0.211 χ^2/NDF : 20913.3/48

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 109.696 ± 0.482 χ^2/NDF : 6216.5/20

Left Out: 108.846 ± 0.197 χ^2/NDF : 7400.2/24

Right Out: 105.362 ± 0.474 χ^2/NDF : 7676.4/25

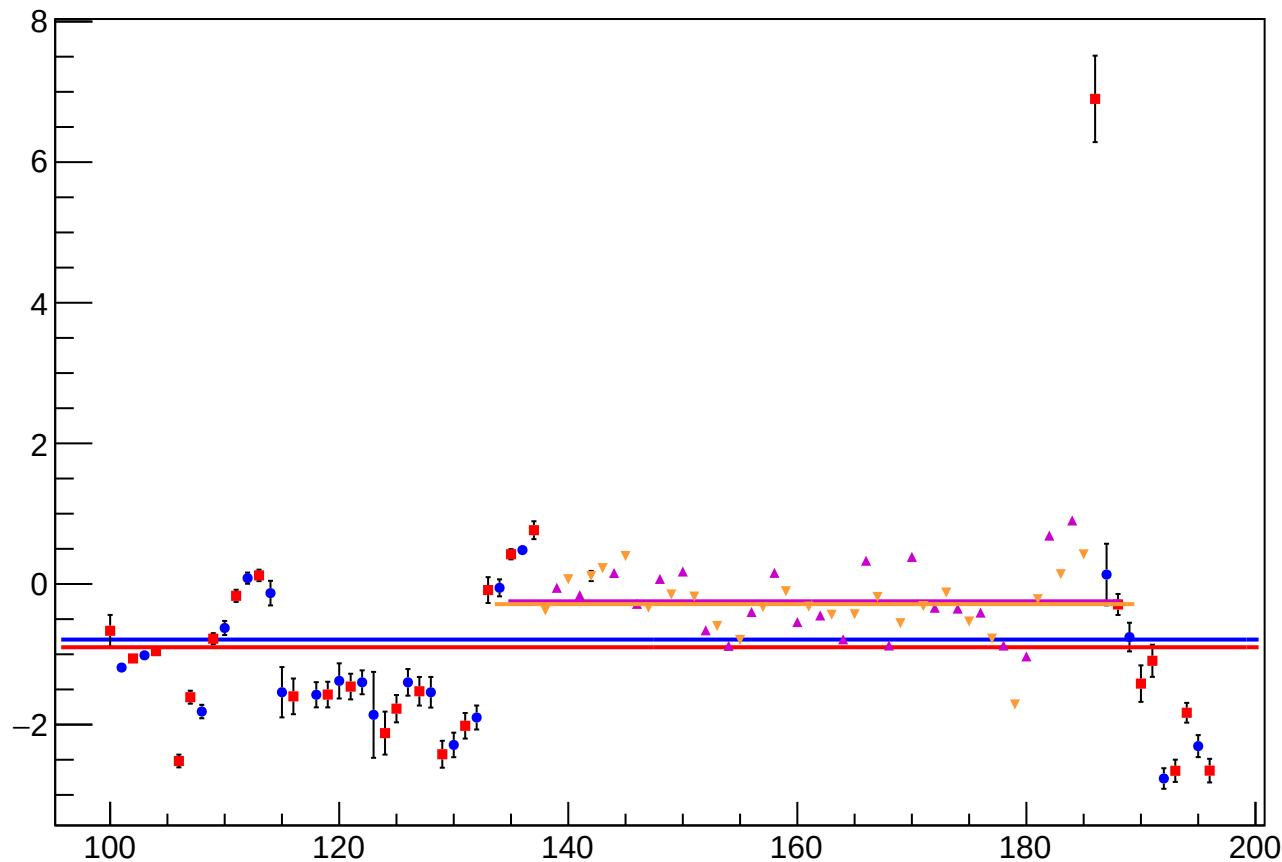
Left In: 107.225 ± 0.202 χ^2/NDF : 5565.3/22

+ sign 108.968 ± 0.183 χ^2/NDF : 13619.4/45

All: 107.972 ± 0.130 χ^2/NDF : 26934.8/94

- sign 106.938 ± 0.186 χ^2/NDF : 13254.8/48

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.791 ± 0.025 χ^2/NDF : 1284.2/20

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.900 ± 0.023 χ^2/NDF : 1773.6/25

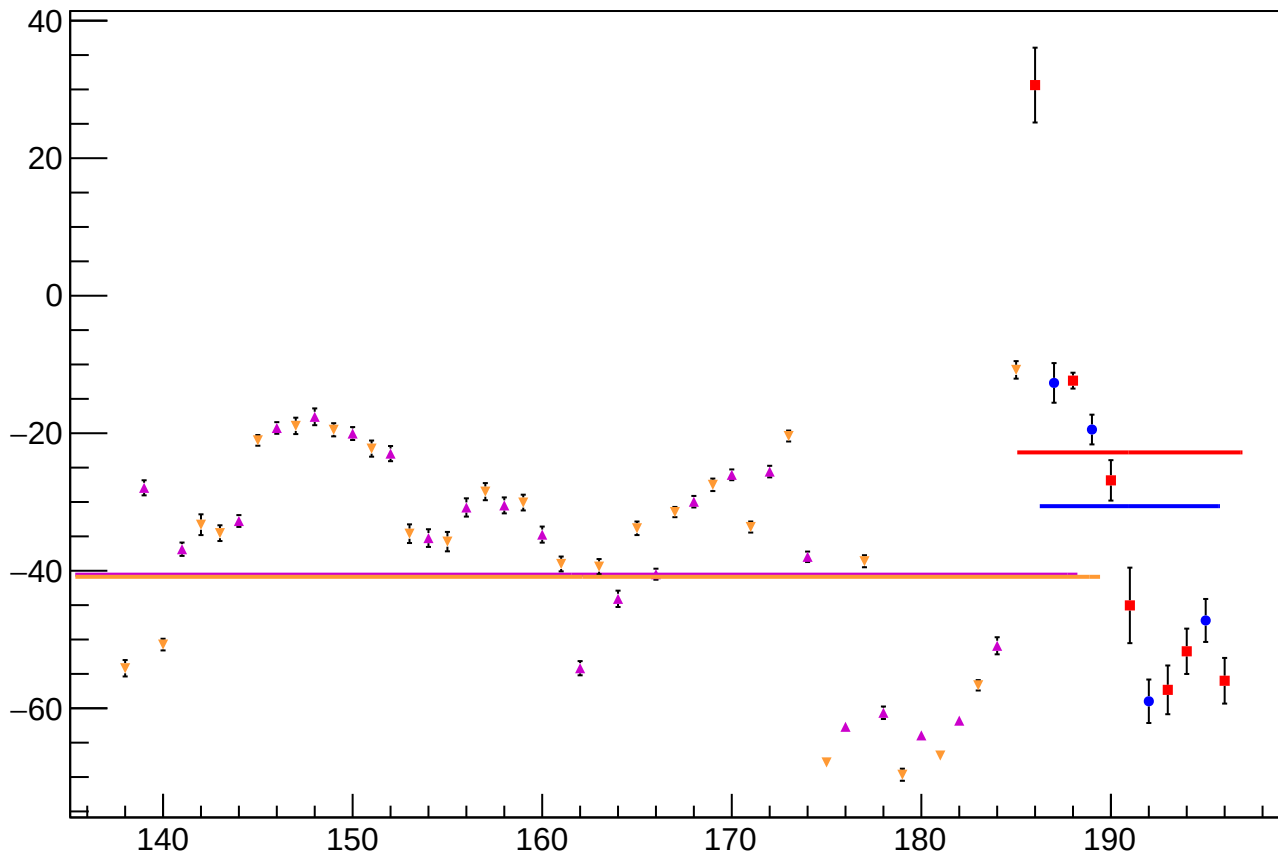
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.346 ± 0.009 χ^2/NDF : 3698.4/45

All: -0.342 ± 0.006 χ^2/NDF : 8959.4/94

- sign -0.338 ± 0.009 χ^2/NDF : 5260.5/48

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -30.607 ± 1.365 $\chi^2/\text{NDF}: 174.0/3$

Left Out: -40.880 ± 0.186 $\chi^2/\text{NDF}: 9123.2/24$

Right Out: -22.788 ± 0.915 $\chi^2/\text{NDF}: 468.2/6$

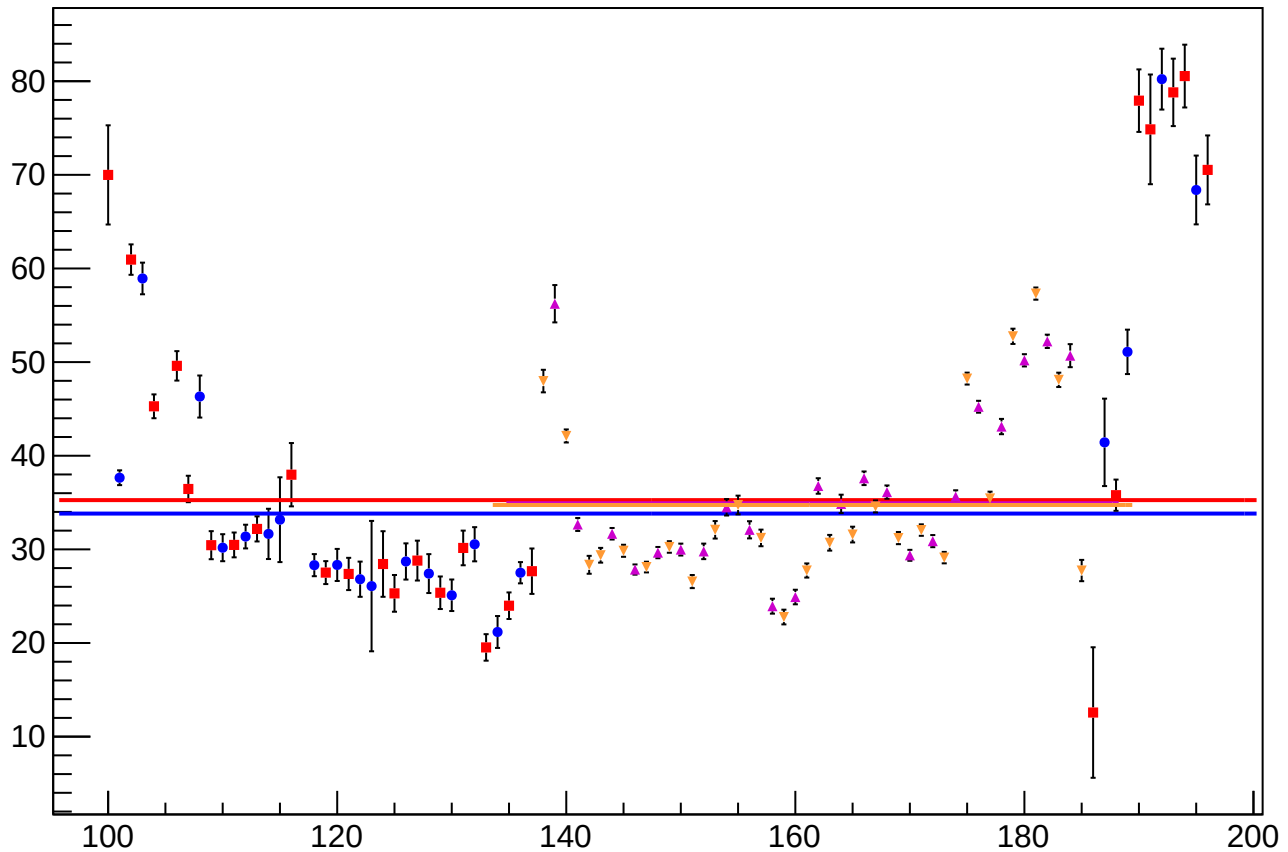
Left In: -40.567 ± 0.190 $\chi^2/\text{NDF}: 6954.7/22$

+ sign -40.692 ± 0.184 $\chi^2/\text{NDF}: 9352.8/28$

All: -40.266 ± 0.131 $\chi^2/\text{NDF}: 17148.6/58$

- sign -39.833 ± 0.186 $\chi^2/\text{NDF}: 7785.0/29$

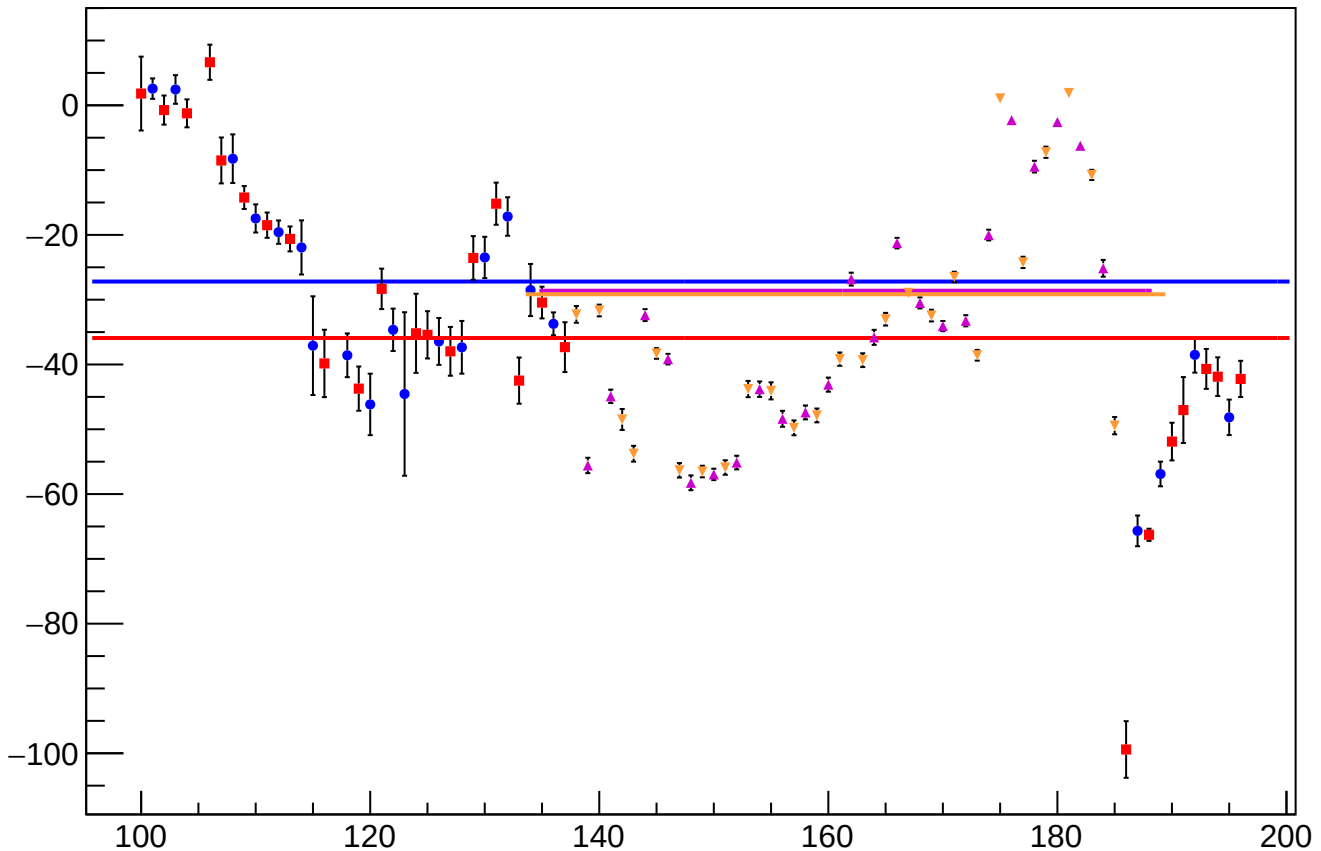
reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.822 $\pm$ 0.366 χ^2 /NDF: 813.7/20
 Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF: 3693.2/24
 Right Out: 35.260 $\pm$ 0.361 χ^2 /NDF: 1444.2/25
 Left In: 34.922 $\pm$ 0.152 χ^2 /NDF: 2672.9/22

+ sign 34.613 $\pm$ 0.137 χ^2 /NDF: 4512.3/45
 All: 34.789 $\pm$ 0.098 χ^2 /NDF: 8633.5/94
 - sign 34.973 $\pm$ 0.140 χ^2 /NDF: 4117.9/48

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -27.198 ± 0.582 $\chi^2/\text{NDF}: 1261.2/20$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -35.913 ± 0.493 $\chi^2/\text{NDF}: 2535.9/25$

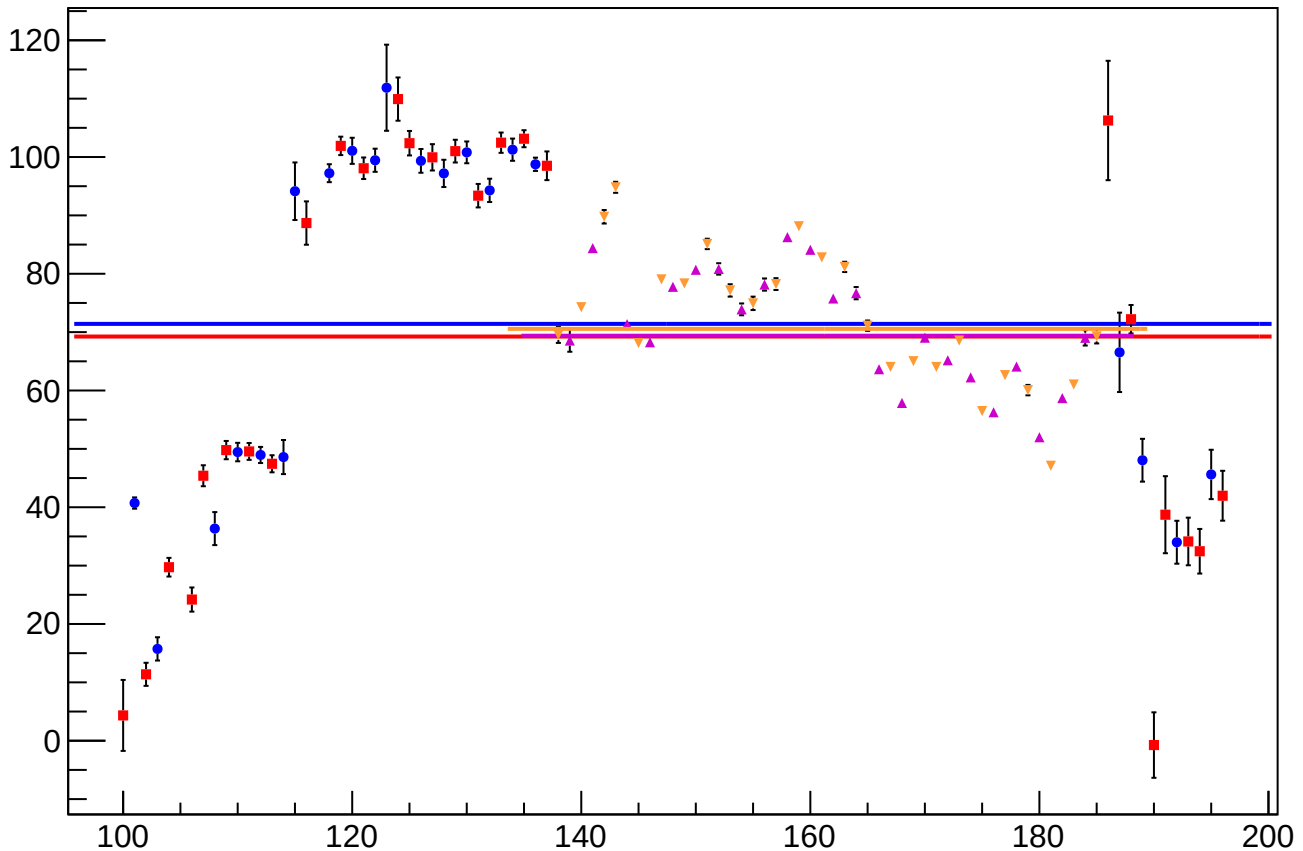
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -28.979 ± 0.178 $\chi^2/\text{NDF}: 11397.6/45$

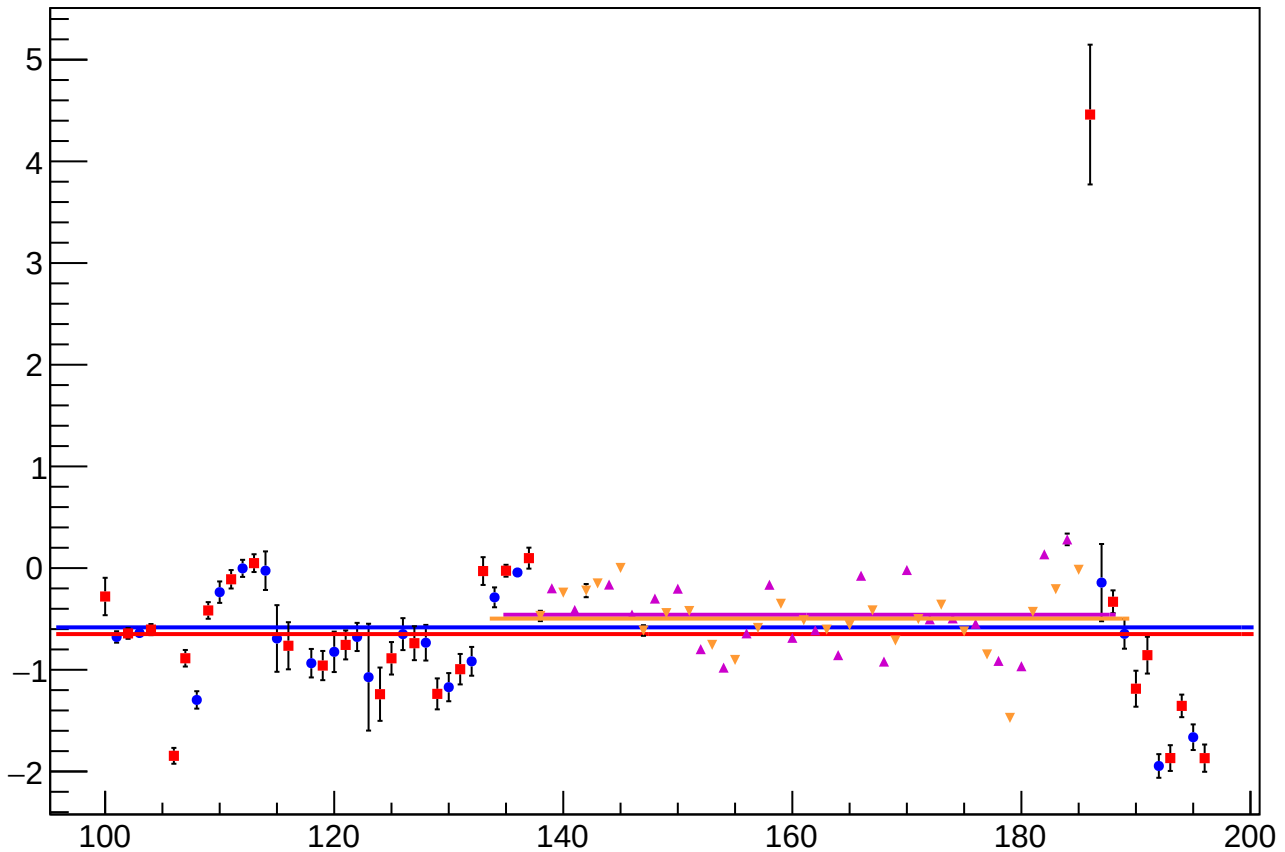
All: -29.269 ± 0.126 $\chi^2/\text{NDF}: 23170.2/94$

- sign -29.557 ± 0.177 $\chi^2/\text{NDF}: 11767.3/48$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.583 ± 0.021 χ^2/NDF : 528.7/20

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.649 ± 0.020 χ^2/NDF : 866.2/25

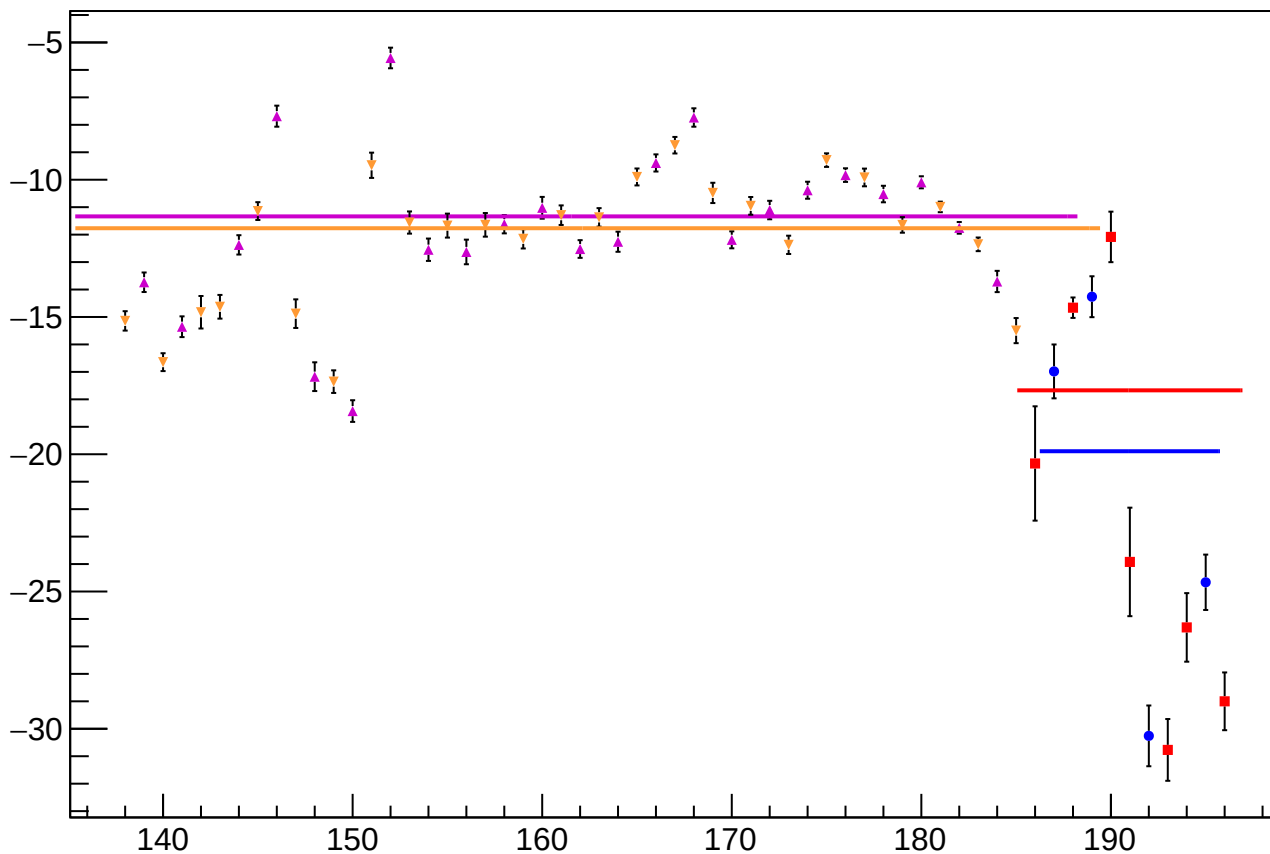
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.506 ± 0.007 χ^2/NDF : 1992.4/45

All: -0.495 ± 0.005 χ^2/NDF : 4901.0/94

- sign -0.484 ± 0.007 χ^2/NDF : 2903.7/48

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -19.890 ± 0.464 χ^2/NDF : 176.1/3

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -17.672 ± 0.299 χ^2/NDF : 413.3/6

Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -11.931 ± 0.066 χ^2/NDF : 1496.9/28

All: -11.791 ± 0.047 χ^2/NDF : 3616.9/58

- sign -11.649 ± 0.066 χ^2/NDF : 2110.9/29

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.588 ± 0.146 $\chi^2/\text{NDF}: 1570.7/20$

Left Out: -30.212 ± 0.054 $\chi^2/\text{NDF}: 734.0/24$

Right Out: -34.964 ± 0.140 $\chi^2/\text{NDF}: 2128.0/25$

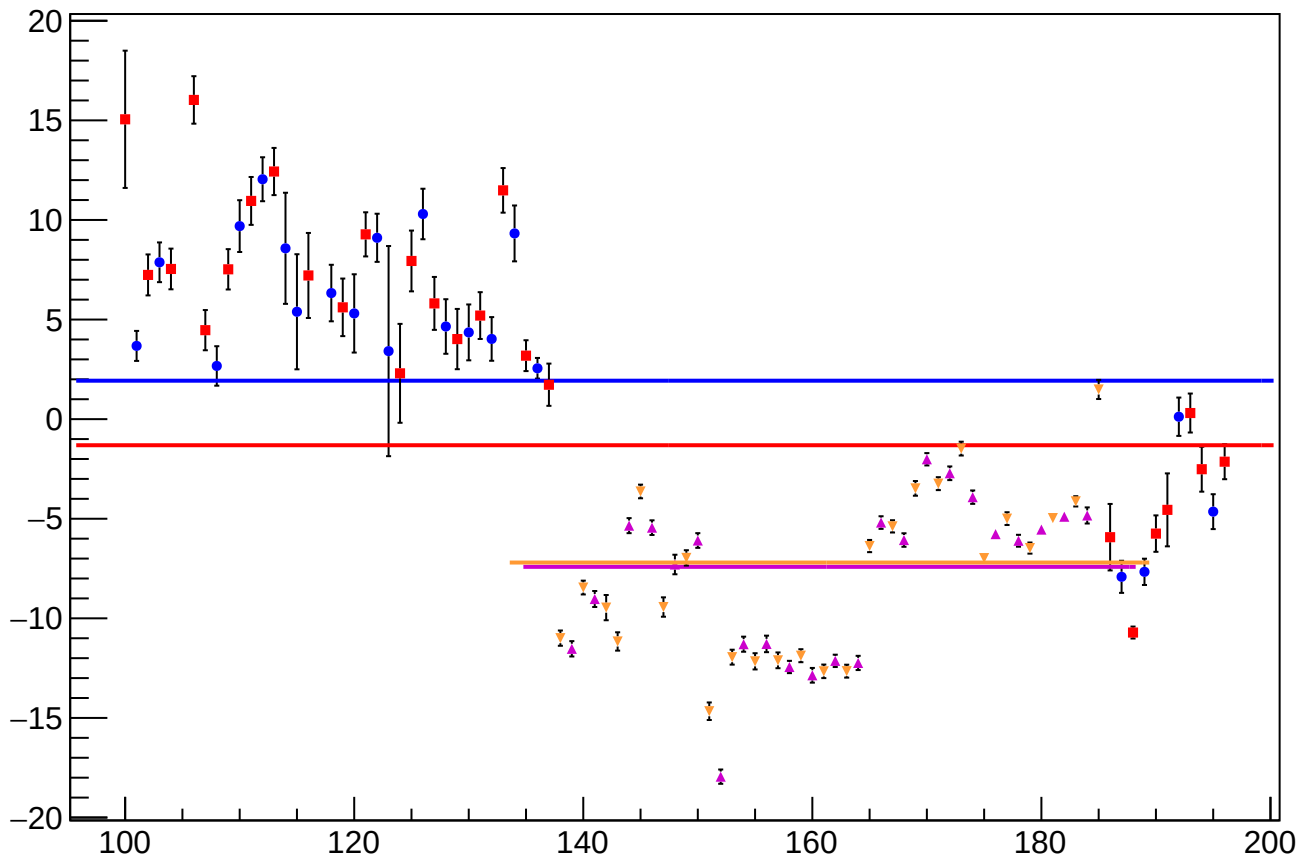
Left In: -30.124 ± 0.056 $\chi^2/\text{NDF}: 1226.2/22$

+ sign -30.734 ± 0.051 $\chi^2/\text{NDF}: 3091.5/45$

All: -30.755 ± 0.036 $\chi^2/\text{NDF}: 7473.5/94$

- sign -30.778 ± 0.052 $\chi^2/\text{NDF}: 4381.6/48$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 1.930 ± 0.224 $\chi^2/\text{NDF}: 720.0/20$

Left Out: -7.199 ± 0.067 $\chi^2/\text{NDF}: 3037.3/24$

Right Out: -1.310 ± 0.185 $\chi^2/\text{NDF}: 2159.2/25$

Left In: -7.415 ± 0.068 $\chi^2/\text{NDF}: 3123.3/22$

+ sign -6.454 ± 0.064 $\chi^2/\text{NDF}: 5277.8/45$

All: -6.572 ± 0.045 $\chi^2/\text{NDF}: 11529.6/94$

- sign -6.689 ± 0.064 $\chi^2/\text{NDF}: 6245.1/48$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.992 ± 0.166 χ^2/NDF : 2299.6/20

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -4.009 ± 0.164 χ^2/NDF : 2696.4/25

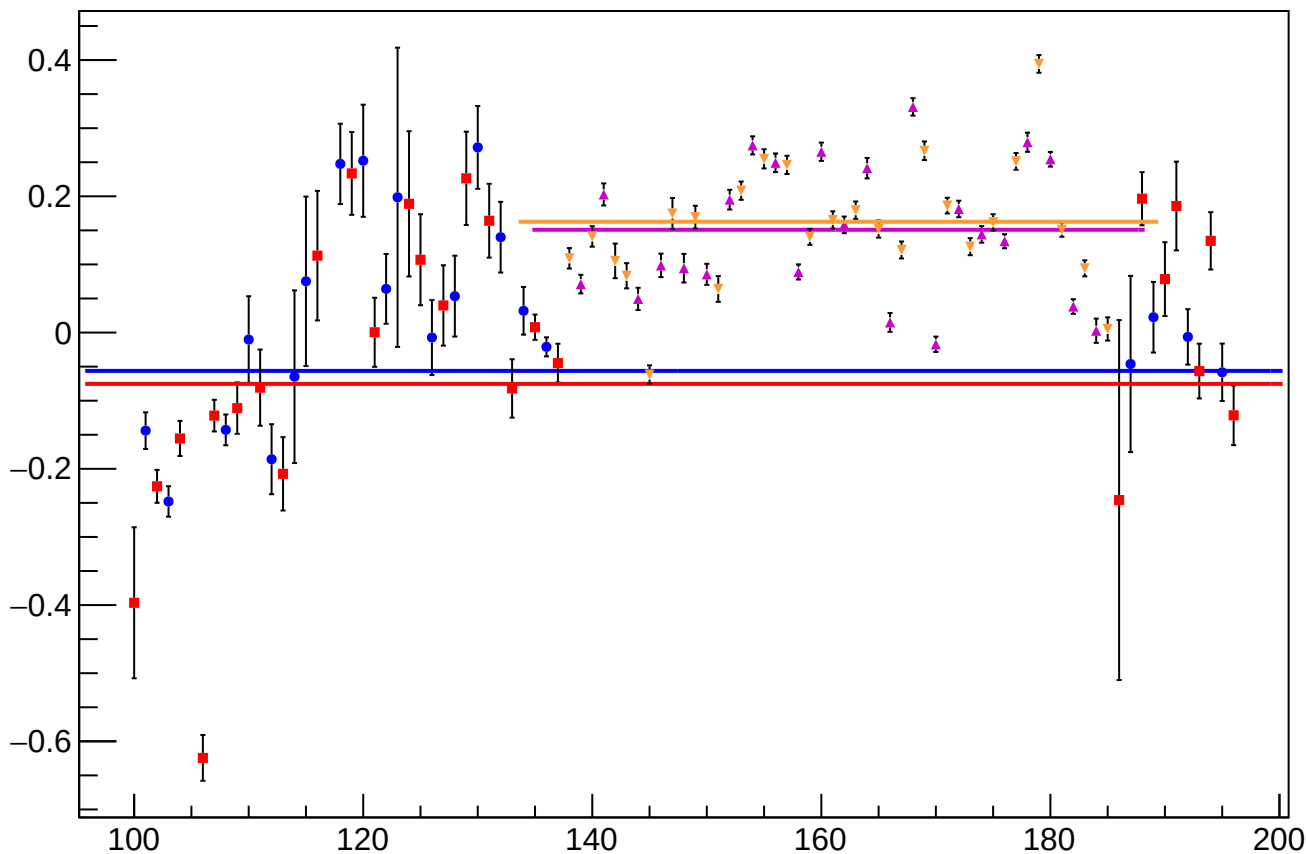
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.510 ± 0.057 χ^2/NDF : 3683.3/45

All: -8.405 ± 0.040 χ^2/NDF : 8698.2/94

- sign -8.296 ± 0.058 χ^2/NDF : 5007.9/48

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.056 ± 0.008 χ^2/NDF : 218.6/20

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.075 ± 0.008 χ^2/NDF : 543.6/25

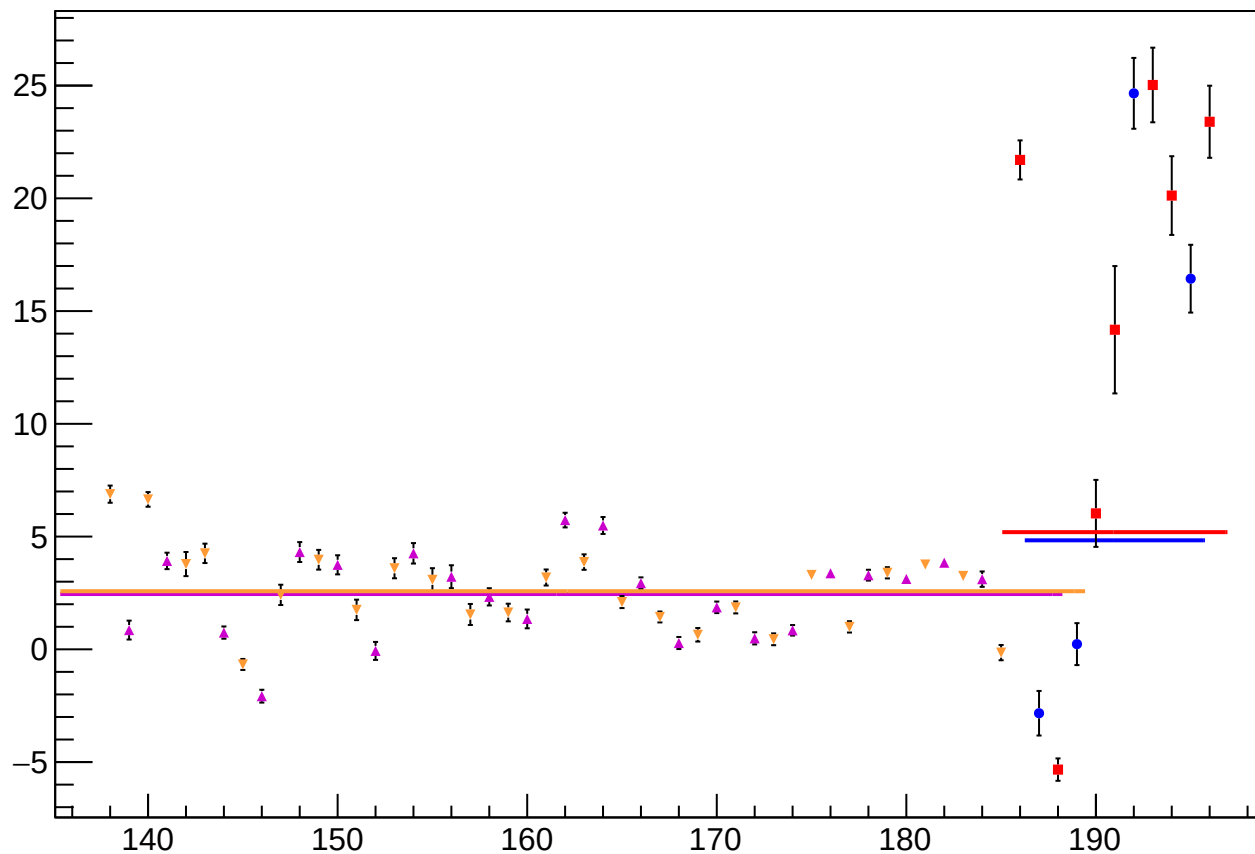
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.140 ± 0.003 χ^2/NDF : 1912.4/45

All: 0.132 ± 0.002 χ^2/NDF : 4527.9/94

- sign 0.125 ± 0.003 χ^2/NDF : 2599.1/48

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 4.834 ± 0.575 $\chi^2/\text{NDF}: 303.5/3$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 5.197 ± 0.376 $\chi^2/\text{NDF}: 1169.8/6$

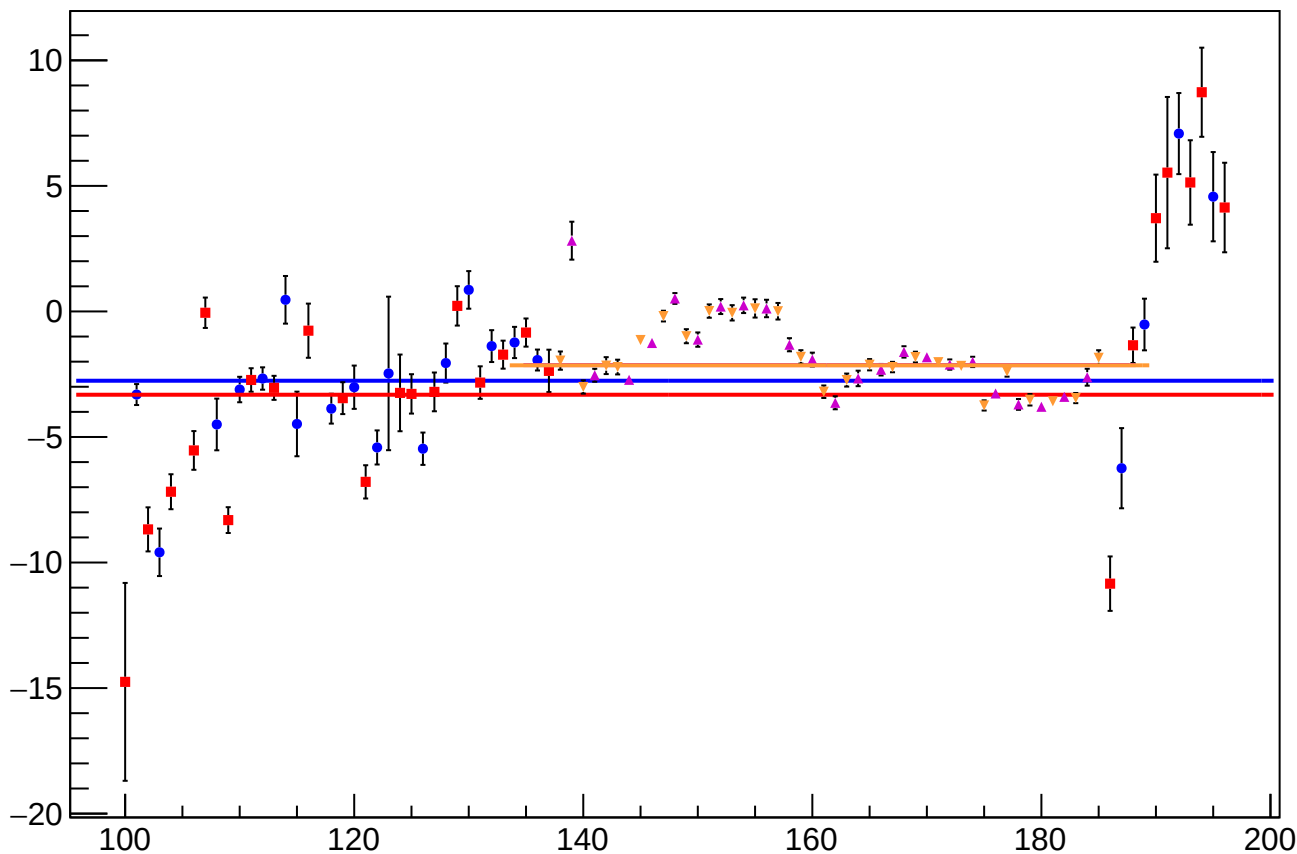
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.600 ± 0.058 $\chi^2/\text{NDF}: 1186.2/28$

All: 2.560 ± 0.041 $\chi^2/\text{NDF}: 3280.1/58$

- sign 2.519 ± 0.059 $\chi^2/\text{NDF}: 2092.9/29$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.760 ± 0.151 $\chi^2/\text{NDF}: 209.7/20$

Left Out: -2.146 ± 0.048 $\chi^2/\text{NDF}: 573.4/24$

Right Out: -3.317 ± 0.147 $\chi^2/\text{NDF}: 463.1/25$

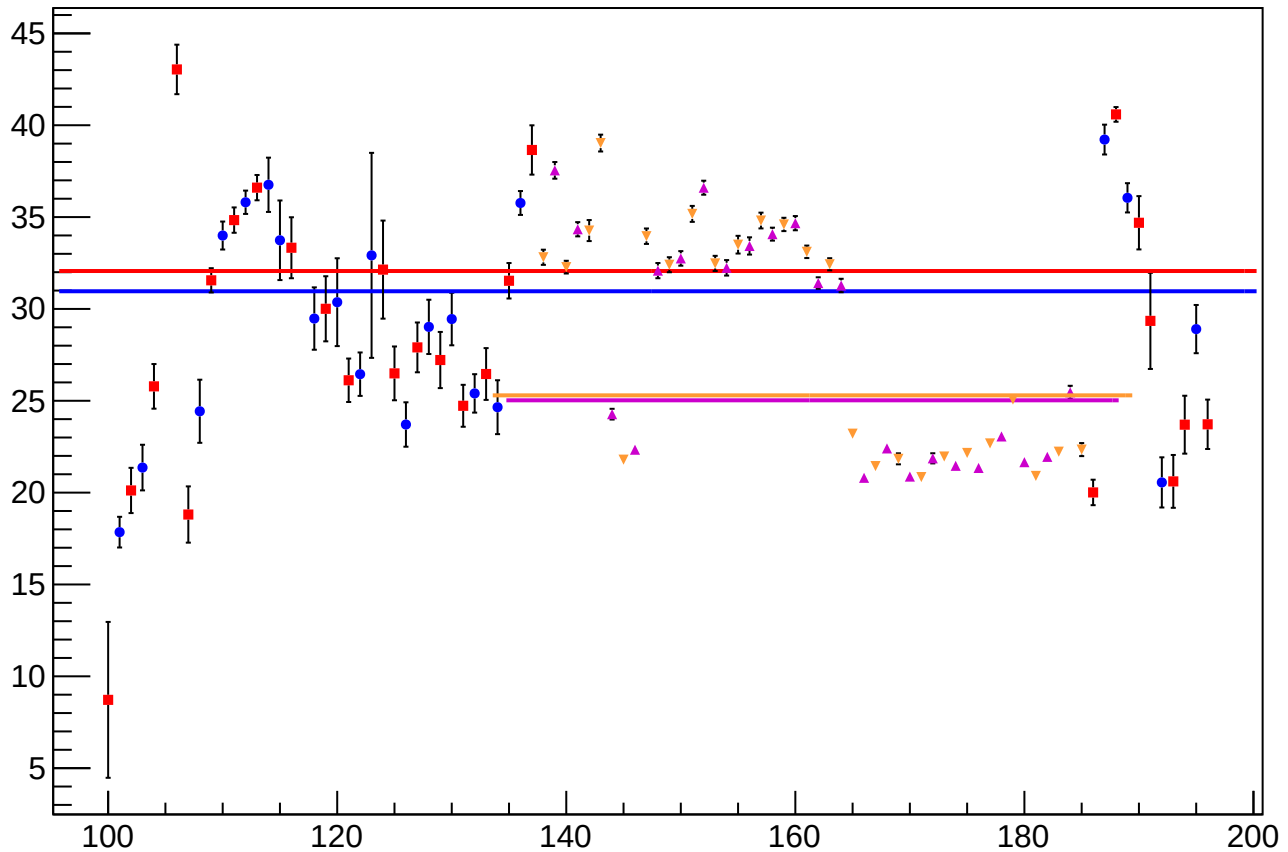
Left In: -2.136 ± 0.048 $\chi^2/\text{NDF}: 691.2/22$

+ sign -2.201 ± 0.045 $\chi^2/\text{NDF}: 798.1/45$

All: -2.226 ± 0.032 $\chi^2/\text{NDF}: 2010.9/94$

- sign -2.251 ± 0.046 $\chi^2/\text{NDF}: 1212.2/48$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 30.962 $\pm$ 0.235 χ^2 /NDF: 772.2/20

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 32.064 $\pm$ 0.199 χ^2 /NDF: 1385.8/25

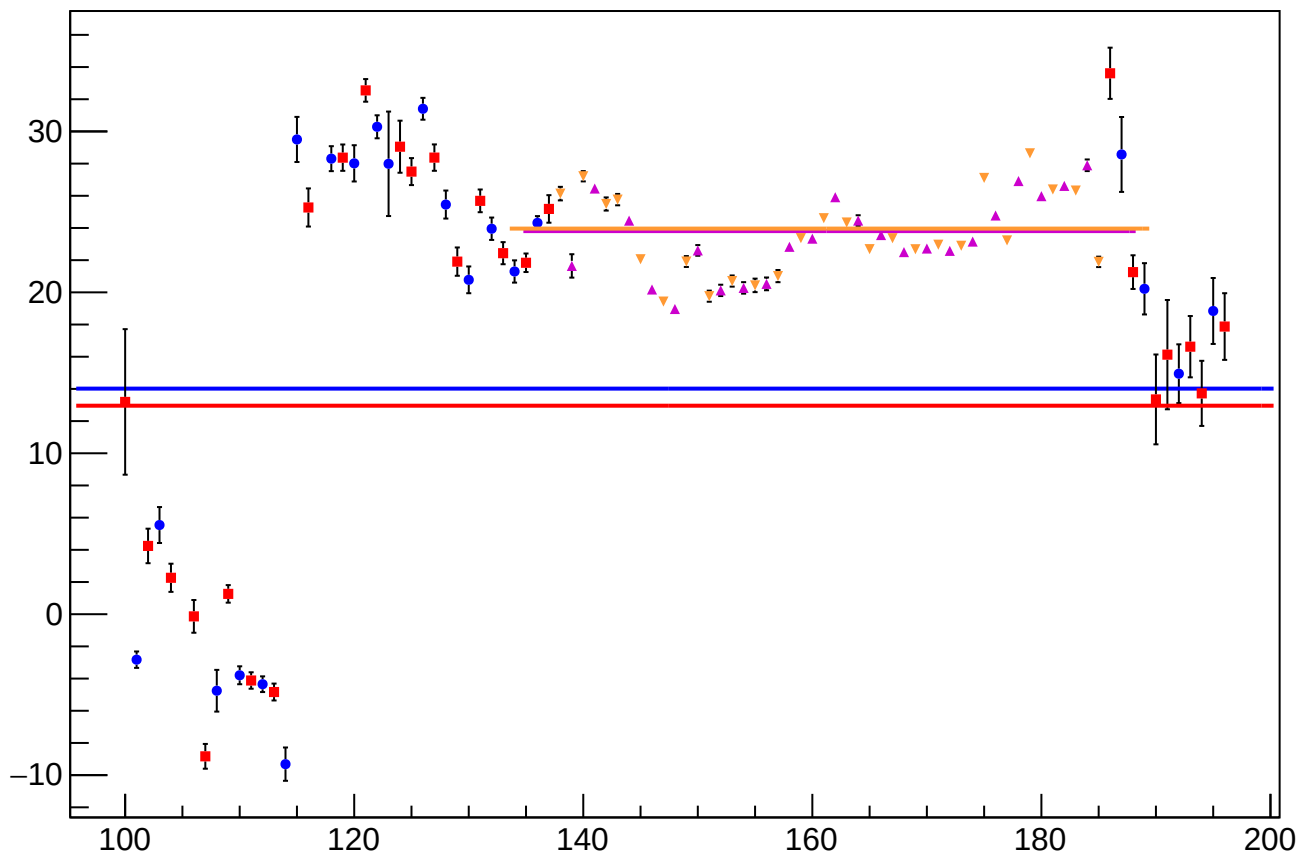
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.631 $\pm$ 0.057 χ^2 /NDF: 9592.9/45

All: 25.617 $\pm$ 0.040 χ^2 /NDF: 19732.5/94

- sign 25.602 $\pm$ 0.057 χ^2 /NDF: 10139.5/48

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.018 $\pm$ 0.170 χ^2 /NDF: 7336.0/20

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.956 $\pm$ 0.168 χ^2 /NDF: 7204.9/25

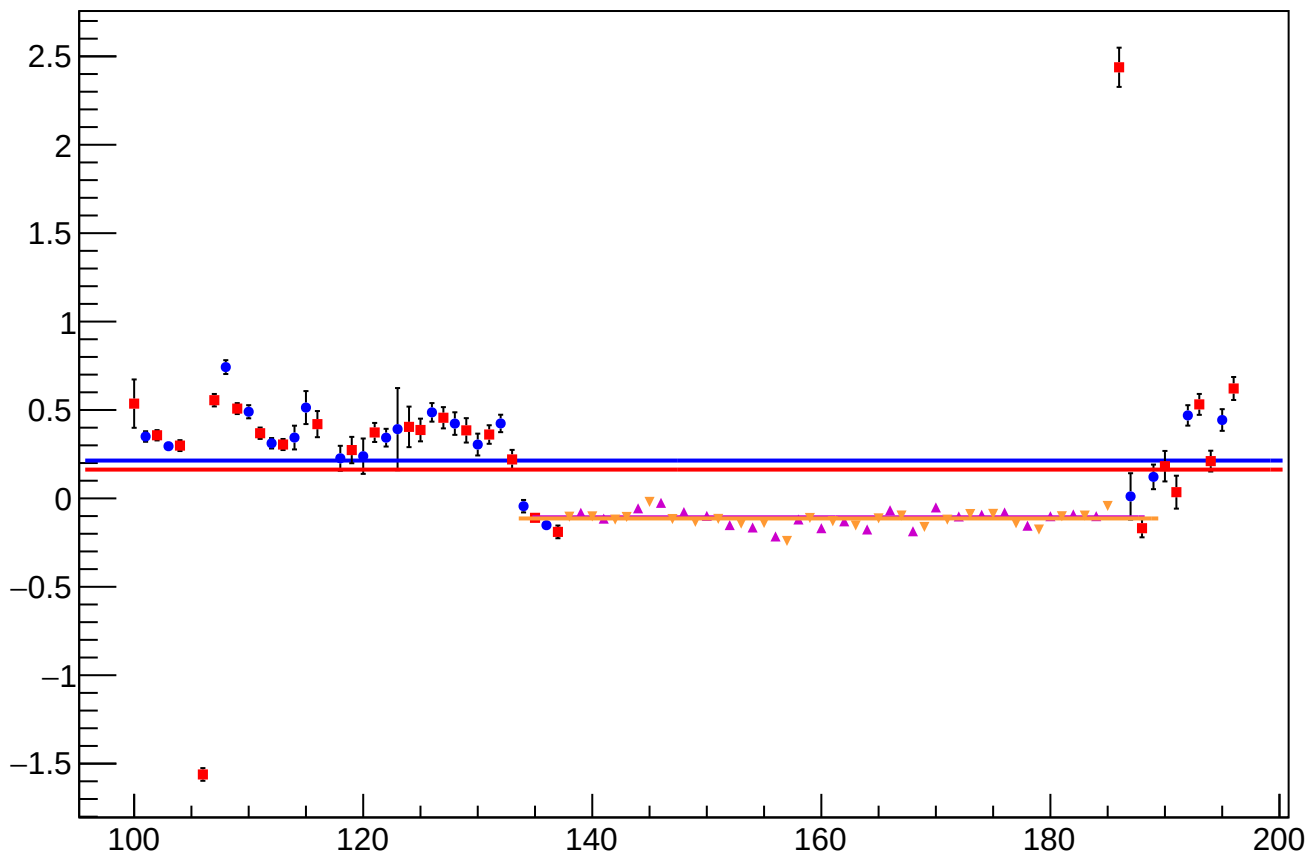
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.078 $\pm$ 0.051 χ^2 /NDF: 12368.5/45

All: 22.937 $\pm$ 0.036 χ^2 /NDF: 25117.7/94

- sign 22.791 $\pm$ 0.051 χ^2 /NDF: 12733.4/48

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.214+/-0.009 χ^2/NDF : 885.1/20

Left Out: -0.113+/-0.002 χ^2/NDF : 291.0/24

Right Out: 0.163+/-0.009 χ^2/NDF : 3573.2/25

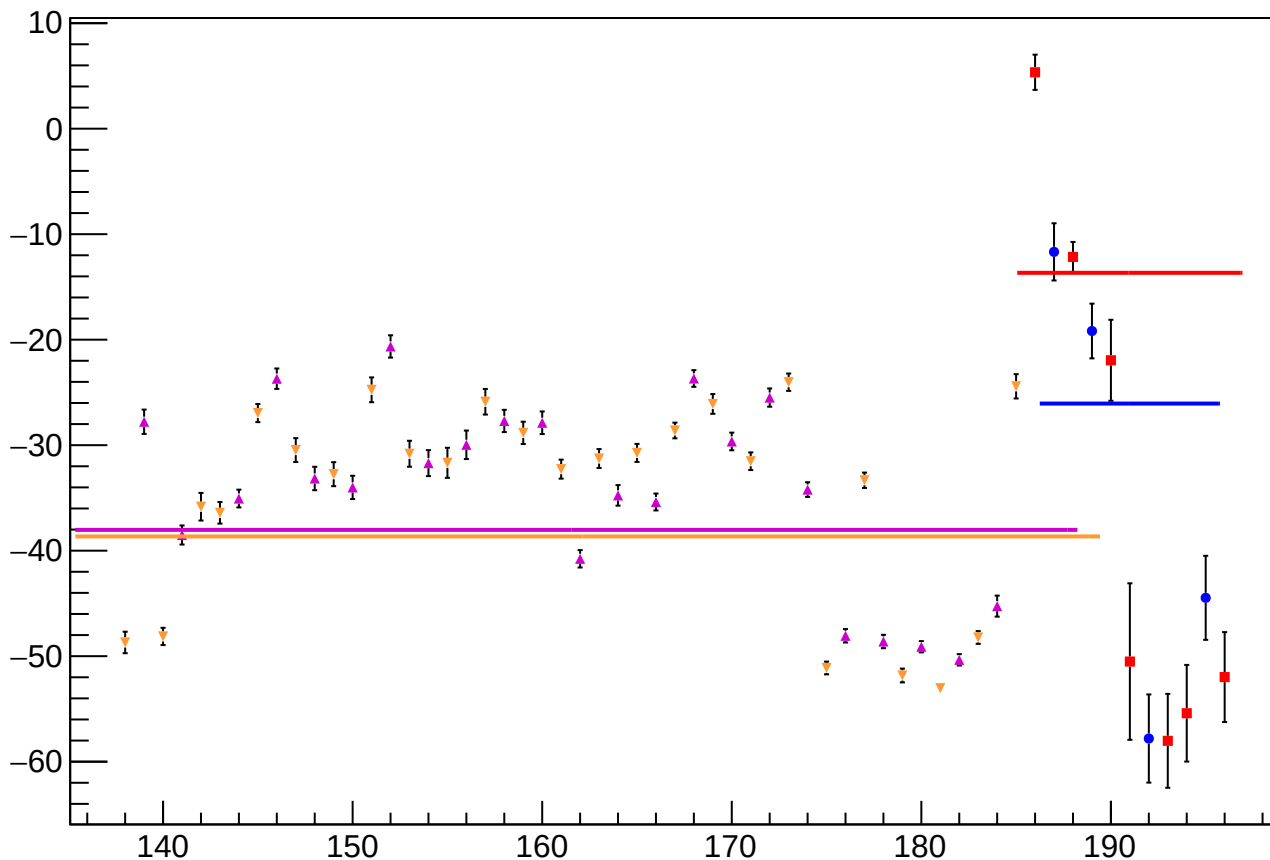
Left In: -0.107+/-0.002 χ^2/NDF : 321.8/22

+ sign -0.092+/-0.002 χ^2/NDF : 2395.5/45

All: -0.089+/-0.002 χ^2/NDF : 7186.2/94

- sign -0.087+/-0.002 χ^2/NDF : 4788.4/48

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -26.056 ± 1.571 χ^2/NDF : 114.3/3

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -13.661 ± 0.956 χ^2/NDF : 423.3/6

Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.505 ± 0.168 χ^2/NDF : 4255.0/28

All: -37.888 ± 0.120 χ^2/NDF : 8426.0/58

- sign -37.253 ± 0.170 χ^2/NDF : 4143.6/29

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.801 ± 0.453 χ^2/NDF : 458.4/20

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -10.657 ± 0.455 χ^2/NDF : 556.4/25

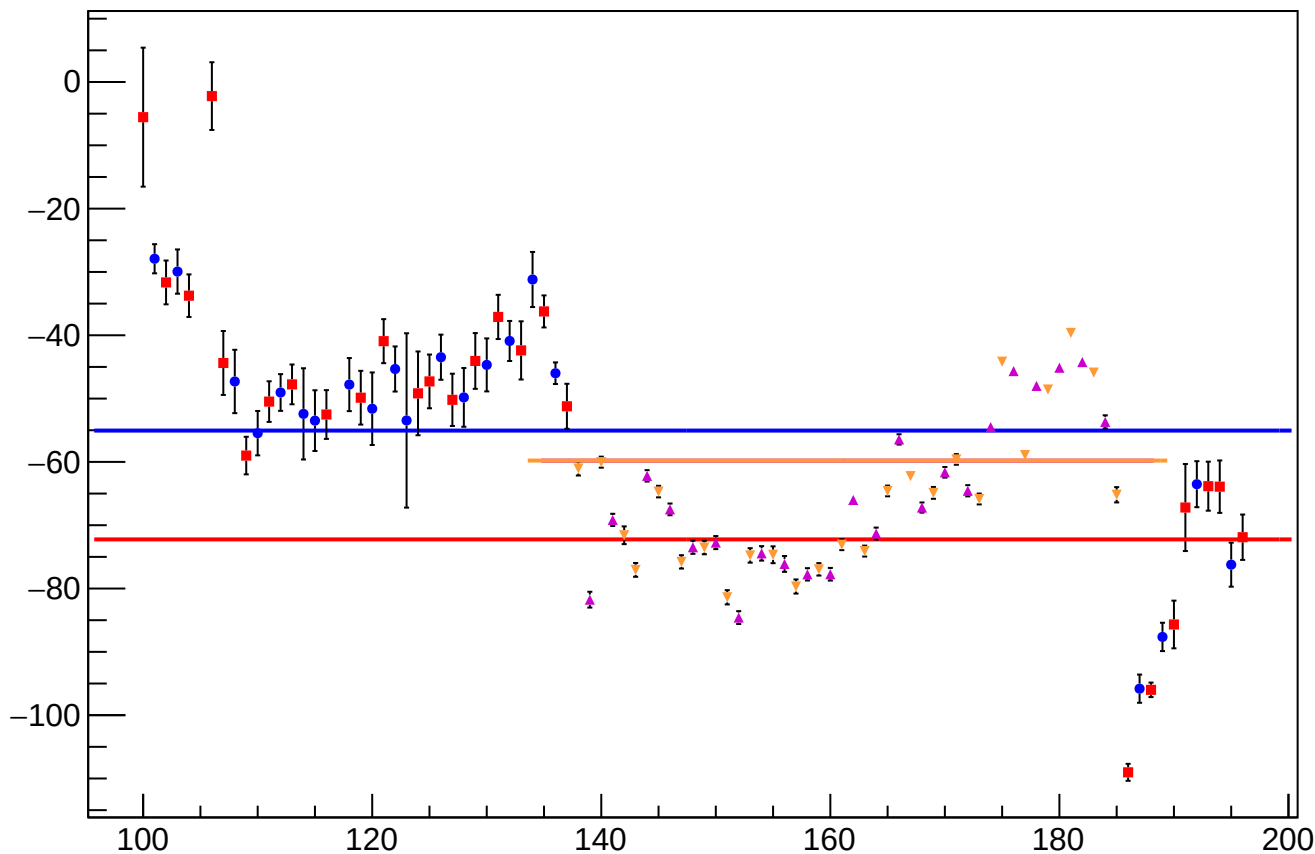
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.310 ± 0.130 χ^2/NDF : 2698.1/45

All: 0.304 ± 0.093 χ^2/NDF : 5935.4/94

- sign 0.297 ± 0.134 χ^2/NDF : 3237.3/48

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -55.053 ± 0.710 χ^2/NDF : 893.8/20

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -72.238 ± 0.583 χ^2/NDF : 2474.5/25

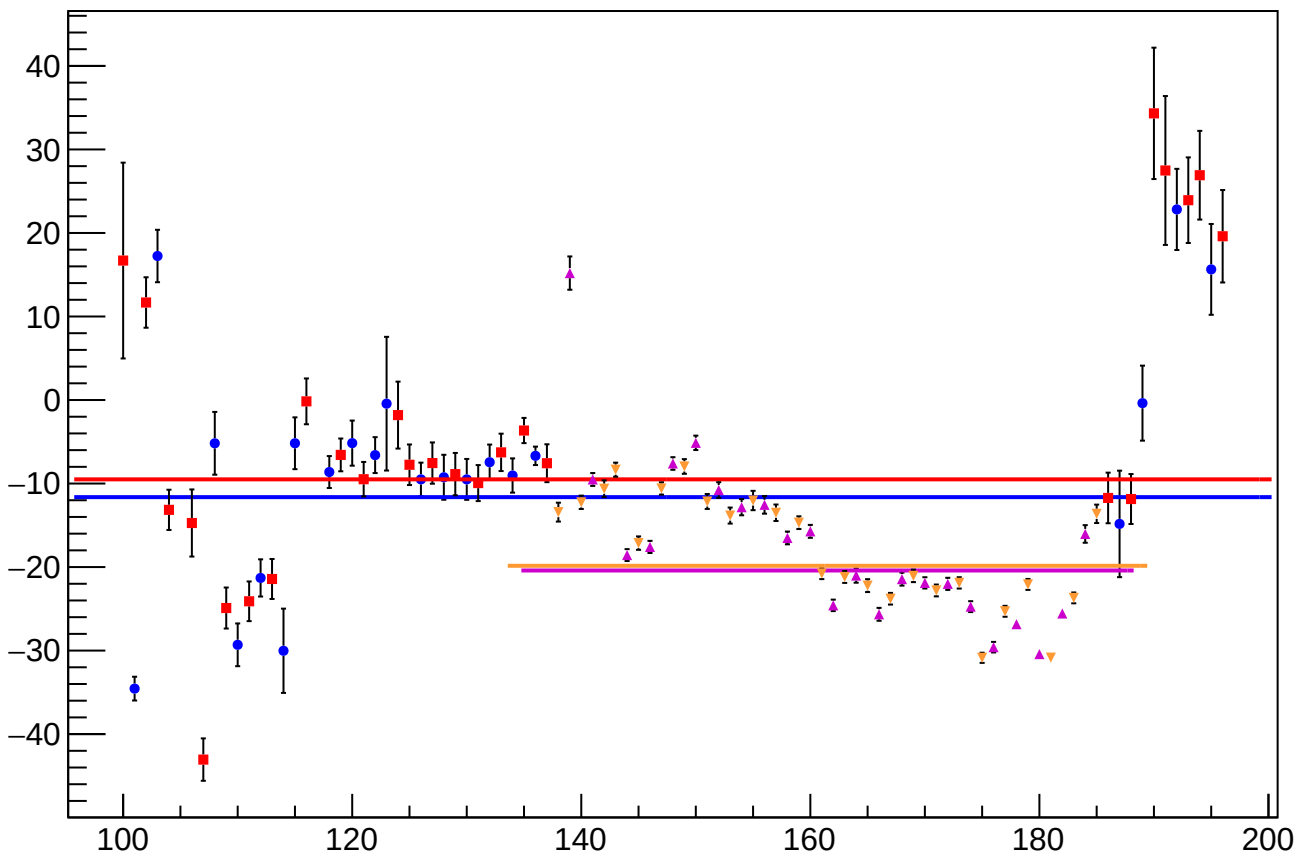
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.532 ± 0.165 χ^2/NDF : 6773.5/45

All: -60.169 ± 0.117 χ^2/NDF : 14913.4/94

- sign -60.811 ± 0.166 χ^2/NDF : 8110.0/48

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



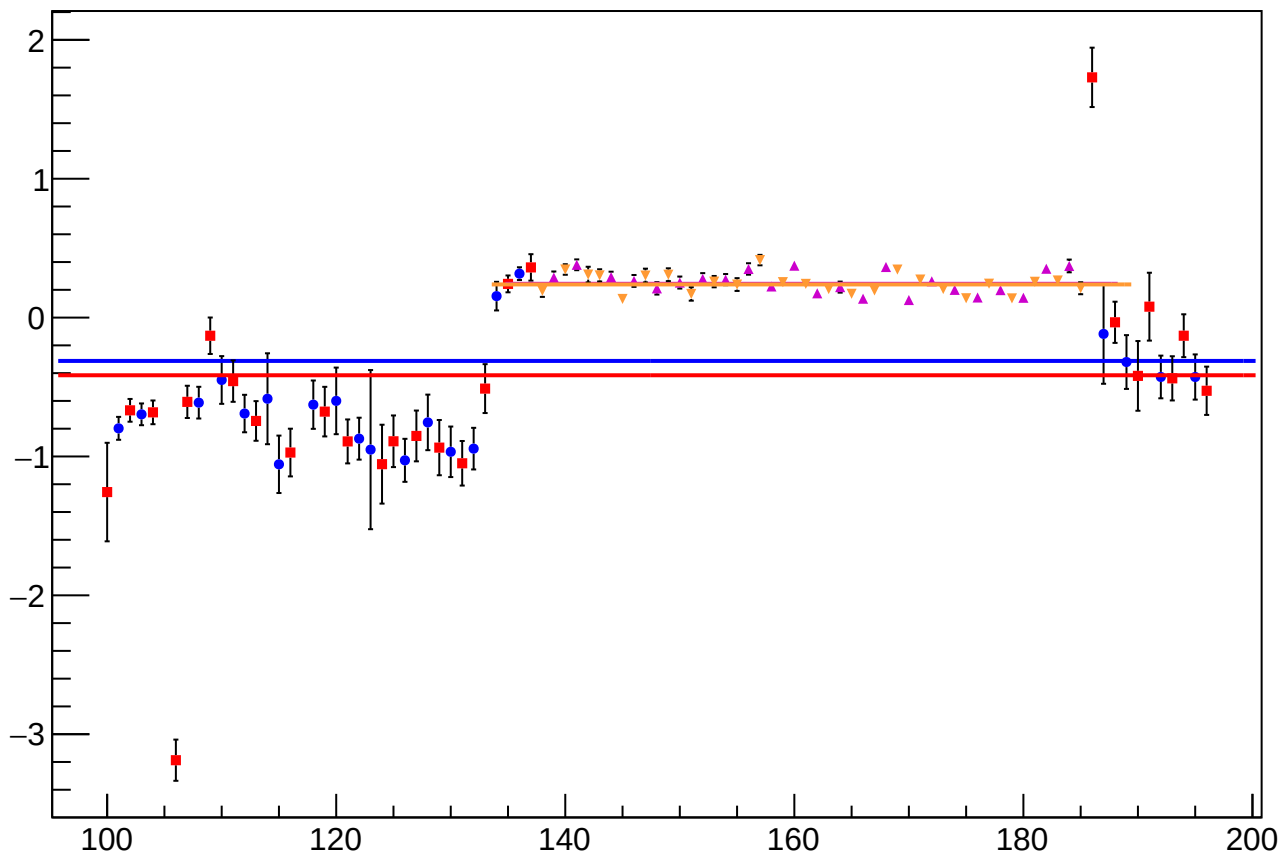
Right In: -11.627 ± 0.513 $\chi^2/\text{NDF}: 557.7/20$
 Left Out: -19.847 ± 0.153 $\chi^2/\text{NDF}: 1931.3/24$
 Right Out: -9.499 ± 0.527 $\chi^2/\text{NDF}: 537.9/25$
 Left In: -20.410 ± 0.157 $\chi^2/\text{NDF}: 2302.0/22$

+ sign -19.179 ± 0.146 $\chi^2/\text{NDF}: 2724.6/45$

All: -19.346 ± 0.105 $\chi^2/\text{NDF}: 5961.6/94$

- sign -19.523 ± 0.150 $\chi^2/\text{NDF}: 3234.3/48$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.312 ± 0.026 χ^2/NDF : 373.1/20

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.415 ± 0.026 χ^2/NDF : 748.2/25

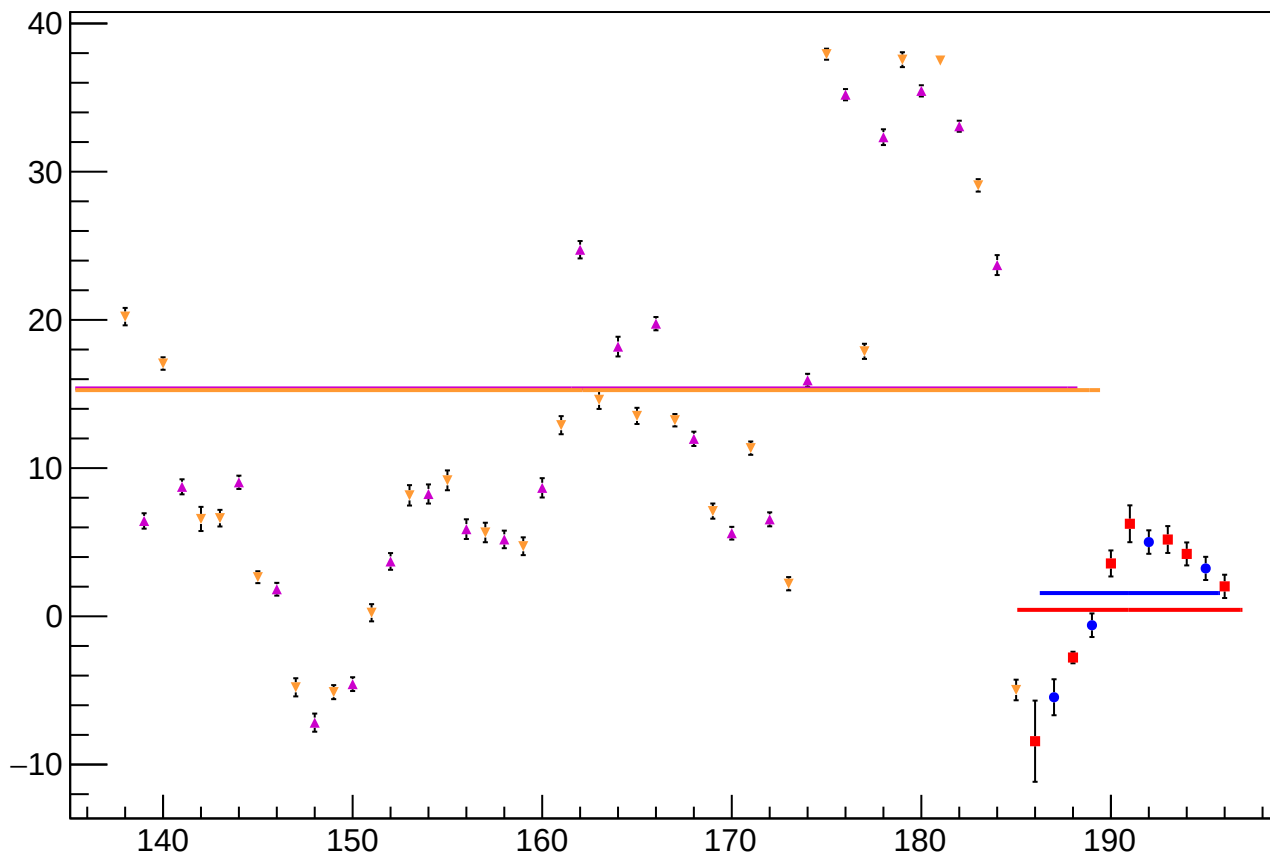
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.203 ± 0.007 χ^2/NDF : 870.9/45

All: 0.200 ± 0.005 χ^2/NDF : 2337.3/94

- sign 0.198 ± 0.007 χ^2/NDF : 1466.2/48

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.569 ± 0.427 χ^2/NDF : 64.4/3

Left Out: 15.263 ± 0.100 χ^2/NDF : 19175.2/24

Right Out: 0.436 ± 0.275 χ^2/NDF : 168.6/6

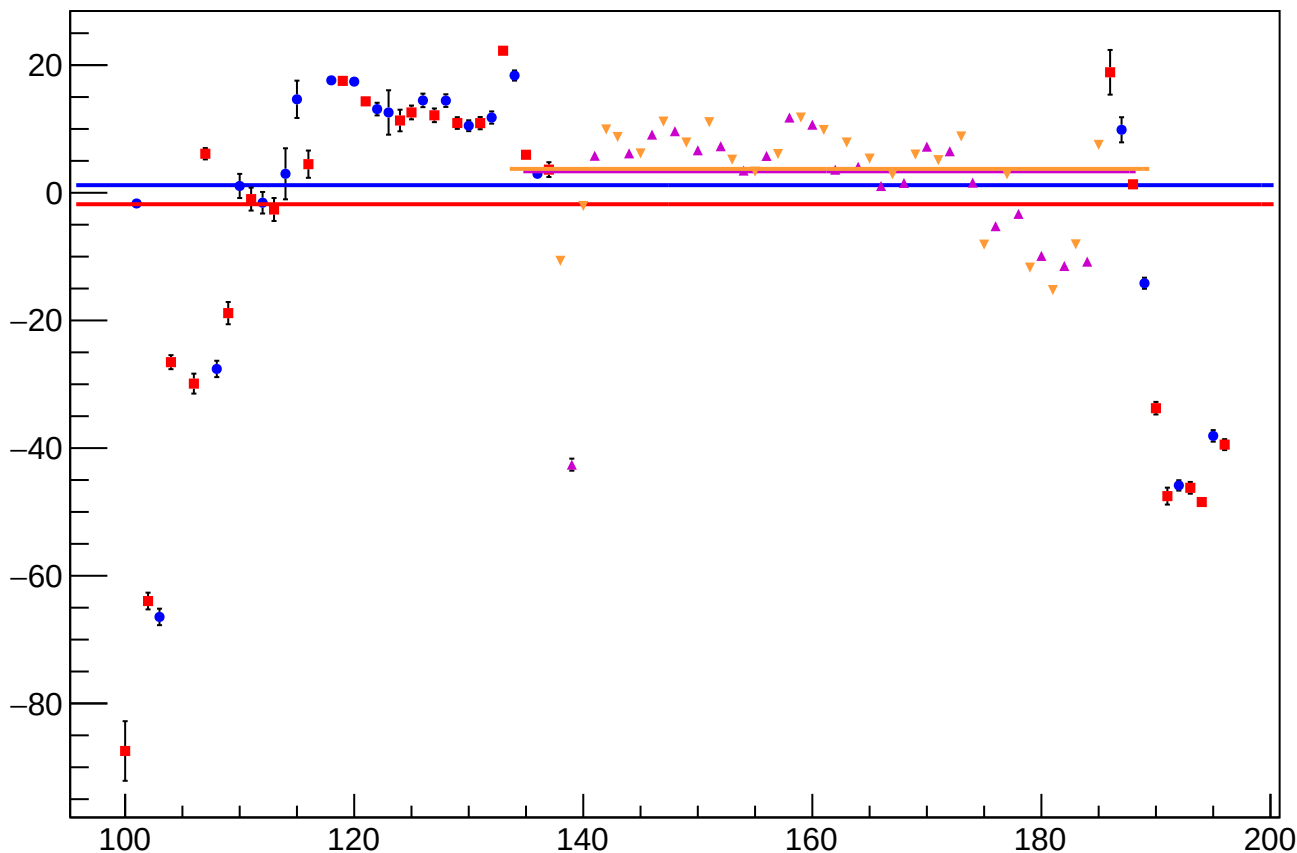
Left In: 15.377 ± 0.103 χ^2/NDF : 16268.9/22

+ sign 14.544 ± 0.098 χ^2/NDF : 20214.6/28

All: 14.039 ± 0.069 χ^2/NDF : 39288.8/58

- sign 13.551 ± 0.096 χ^2/NDF : 19021.8/29

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.193 ± 0.199 $\chi^2/\text{NDF}: 11761.7/20$

Left Out: 3.746 ± 0.079 $\chi^2/\text{NDF}: 9247.4/24$

Right Out: -1.793 ± 0.180 $\chi^2/\text{NDF}: 19108.3/25$

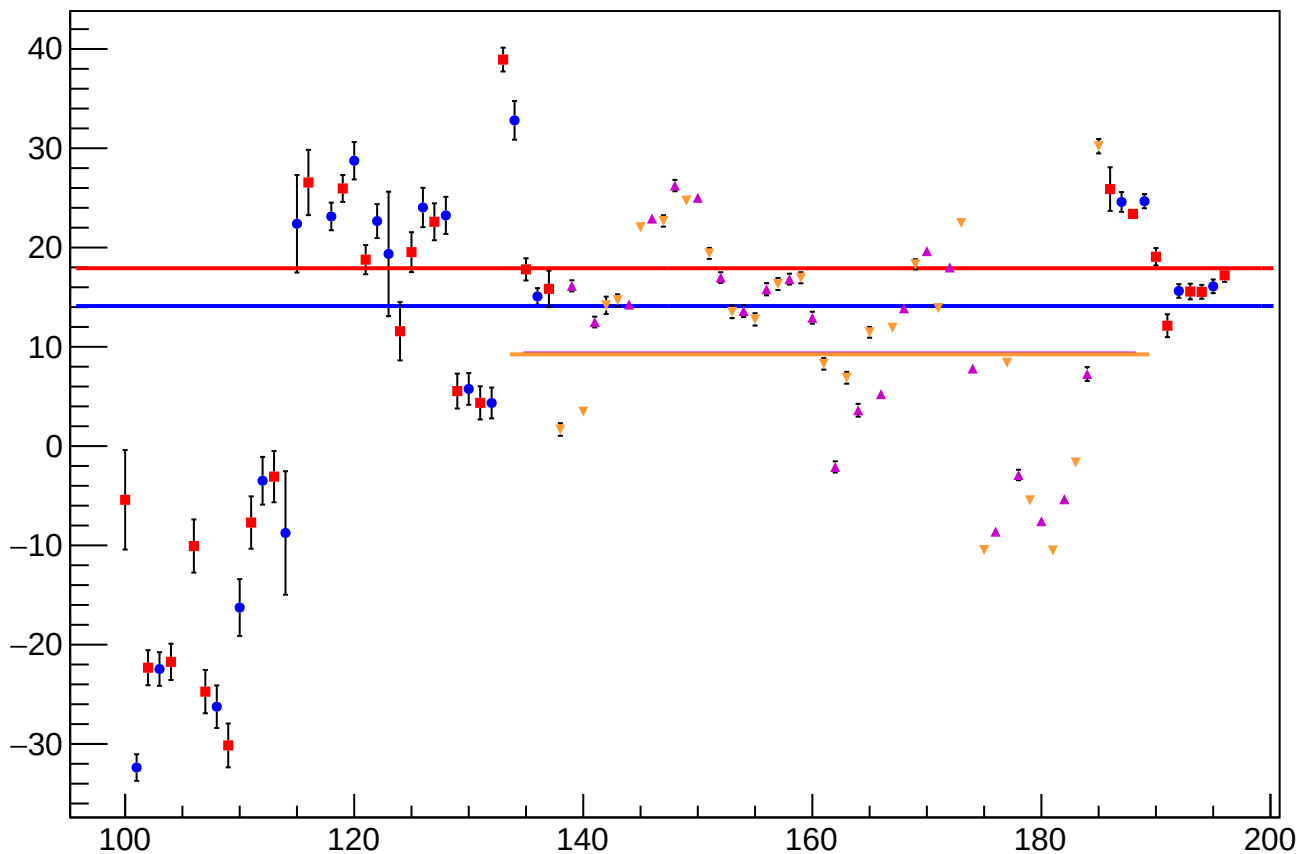
Left In: 3.365 ± 0.081 $\chi^2/\text{NDF}: 8527.0/22$

+ sign 3.399 ± 0.073 $\chi^2/\text{NDF}: 21151.6/45$

All: 2.952 ± 0.052 $\chi^2/\text{NDF}: 49544.0/94$

- sign 2.493 ± 0.074 $\chi^2/\text{NDF}: 28316.7/48$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 14.108 $\pm$ 0.279 χ^2 /NDF: 2896.6/20

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 17.914 $\pm$ 0.204 χ^2 /NDF: 2976.8/25

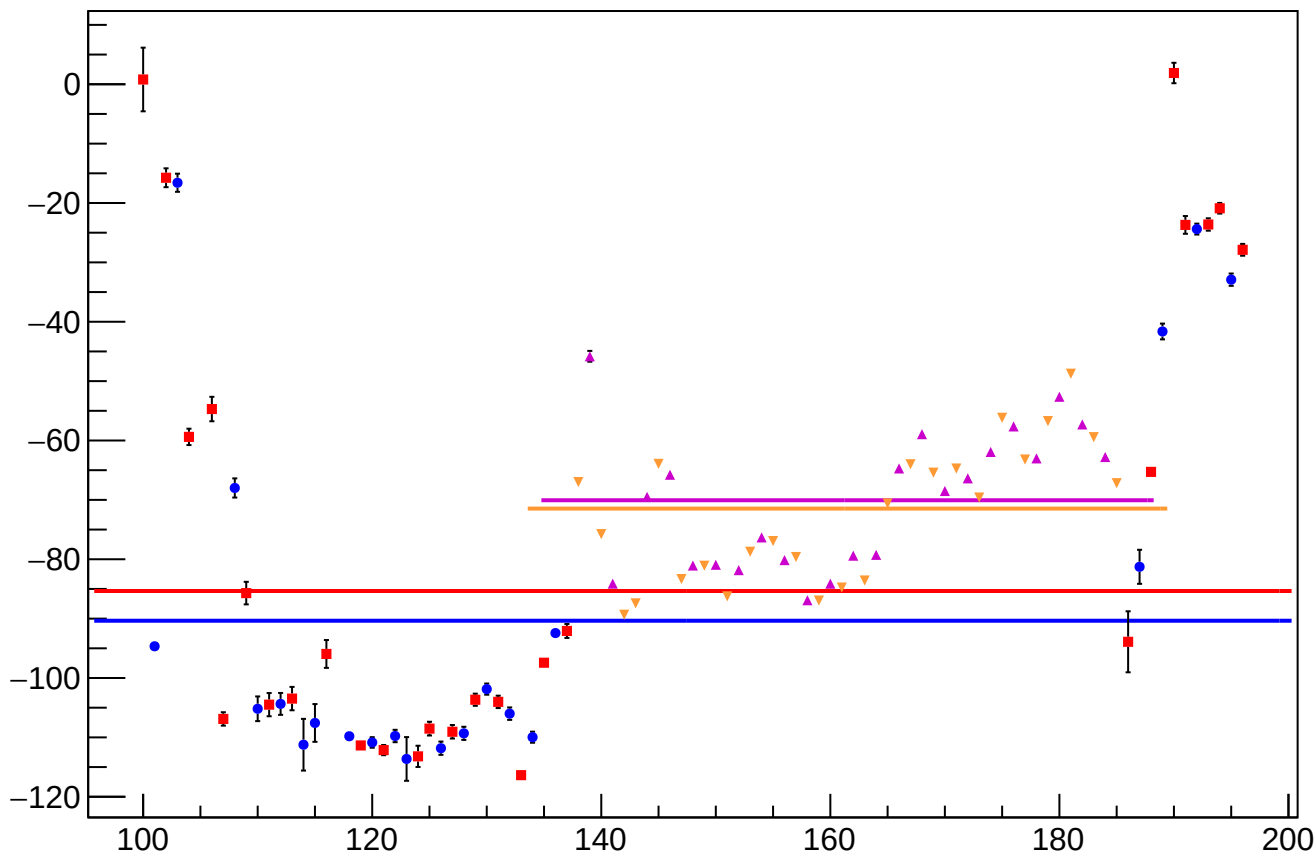
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 9.806 $\pm$ 0.095 χ^2 /NDF: 16799.2/45

All: 10.453 $\pm$ 0.066 χ^2 /NDF: 33245.2/94

- sign 11.056 $\pm$ 0.092 χ^2 /NDF: 16356.1/48

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -90.354 ± 0.231 χ^2/NDF : 15636.3/20

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -85.346 ± 0.214 χ^2/NDF : 27738.9/25

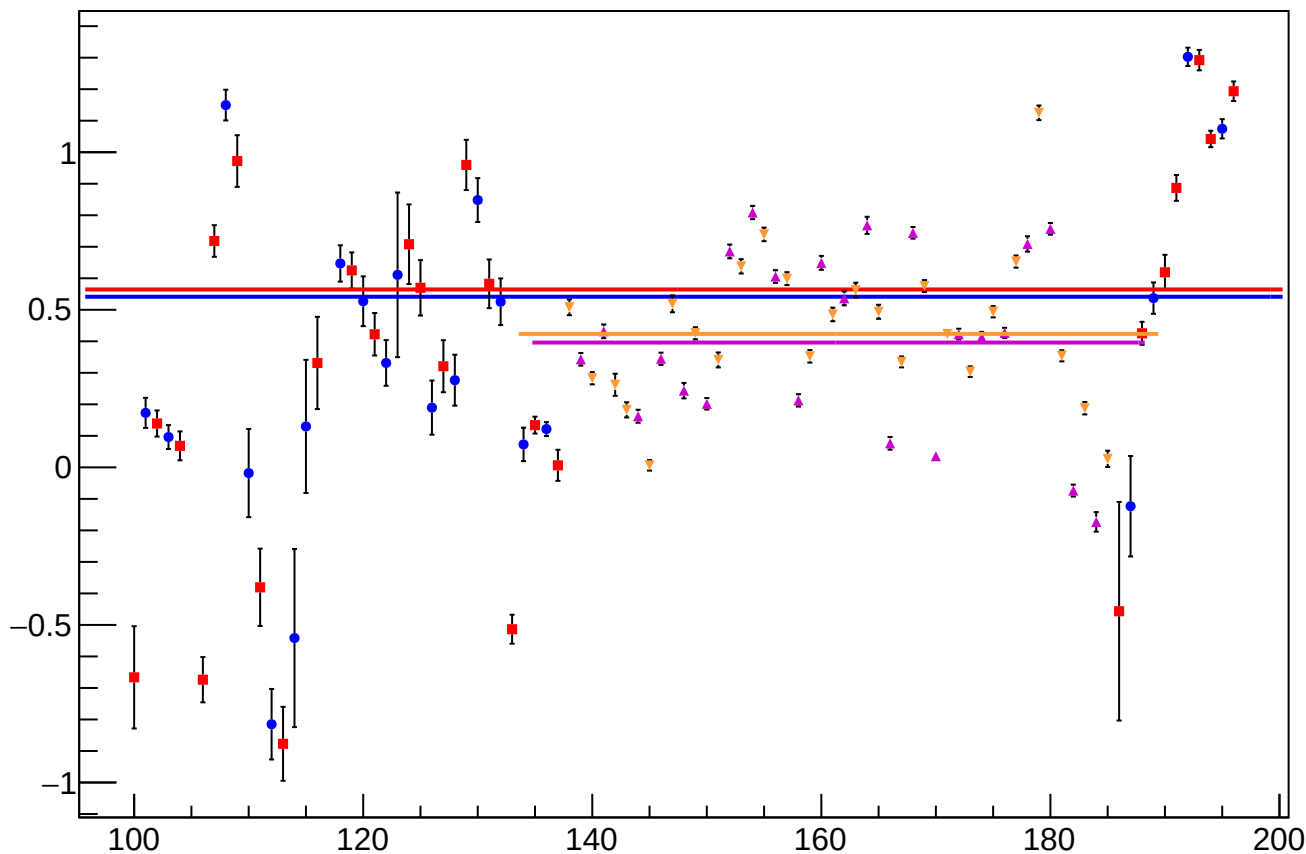
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -73.912 ± 0.083 χ^2/NDF : 37843.6/45

All: -73.184 ± 0.059 χ^2/NDF : 83114.6/94

- sign -72.438 ± 0.084 χ^2/NDF : 45116.3/48

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.541 $\pm$ 0.011 χ^2/NDF : 2035.9/20

Left Out: 0.424 $\pm$ 0.004 χ^2/NDF :2885.0/24

Right Out: 0.565 $\pm$ 0.010 χ^2/NDF : 3136.1/25

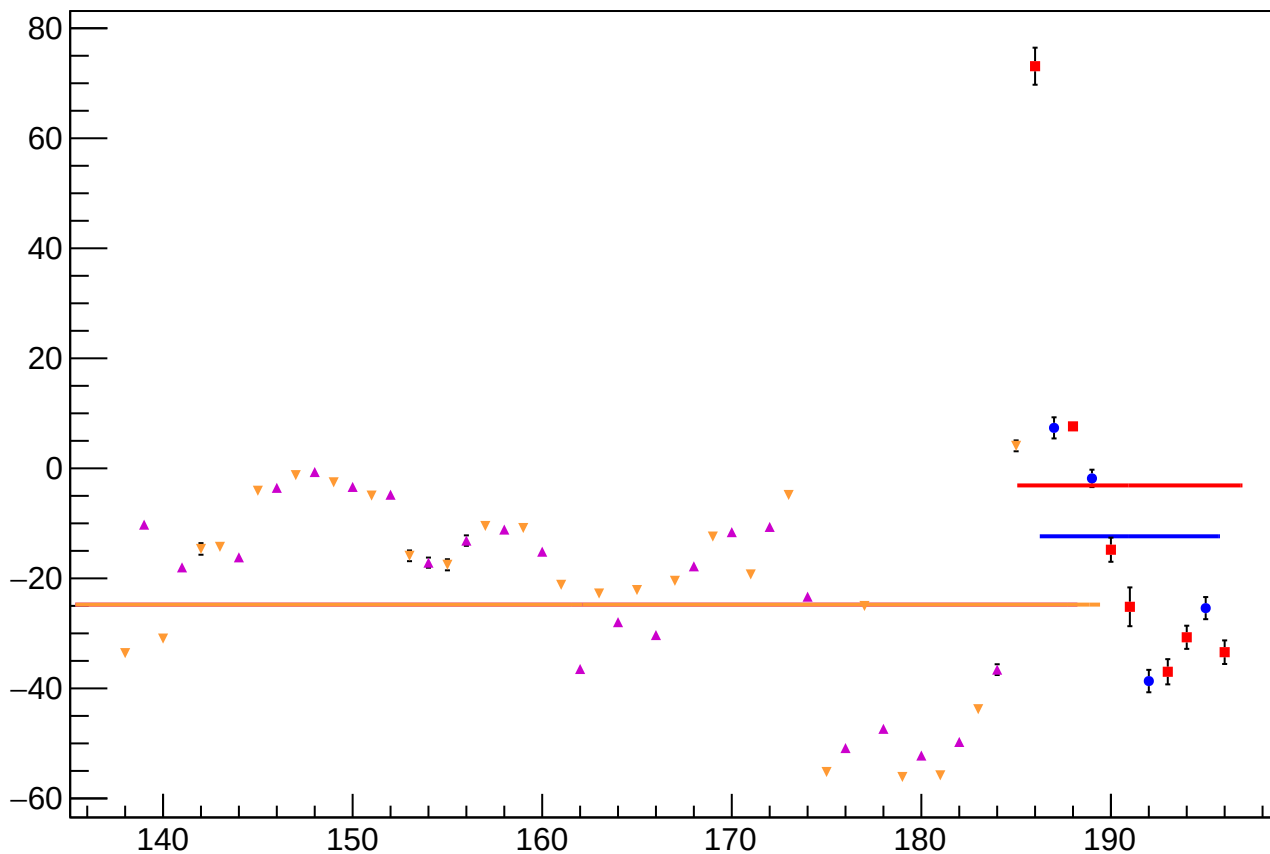
Left In: 0.396 $\pm$ 0.004 χ^2/NDF :4051.5/22

+ sign 0.438 $\pm$ 0.004 χ^2/NDF : 5020.7/45

All: 0.430 $\pm$ 0.003 χ^2/NDF : 12471.1/94

- sign 0.422 $\pm$ 0.004 χ^2/NDF : 7442.3/48

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -12.352 ± 0.929 χ^2/NDF : 358.6/3

Left Out: -24.769 ± 0.139 χ^2/NDF : 18318.8/24

Right Out: -3.105 ± 0.624 χ^2/NDF : 1349.0/6

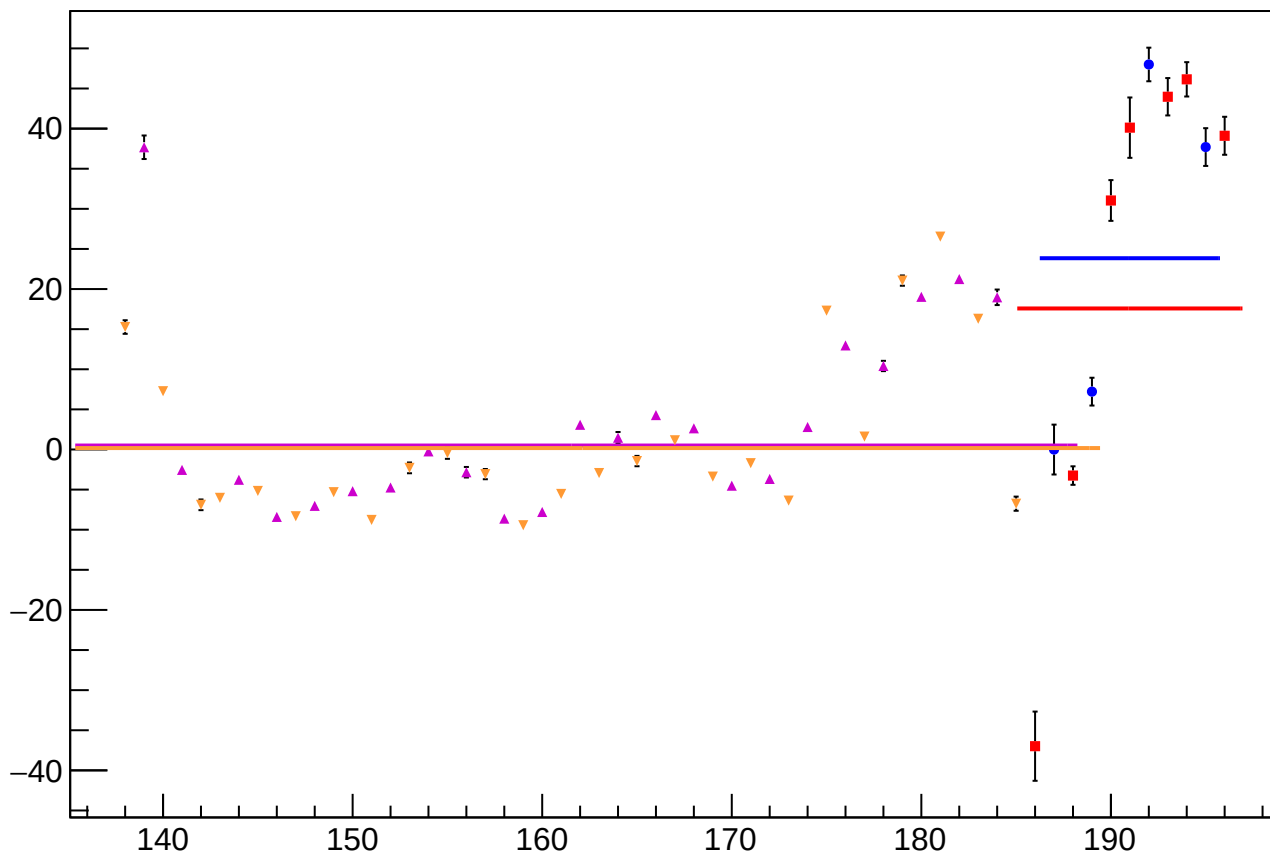
Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -24.495 ± 0.138 χ^2/NDF : 18852.3/28

All: -24.100 ± 0.098 χ^2/NDF : 36171.7/58

- sign -23.696 ± 0.139 χ^2/NDF : 17302.8/29

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 23.844 $\pm$ 1.088 χ^2 /NDF: 318.7/3

Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF: 8295.6/24

Right Out: 17.580 $\pm$ 0.787 χ^2 /NDF: 939.6/6

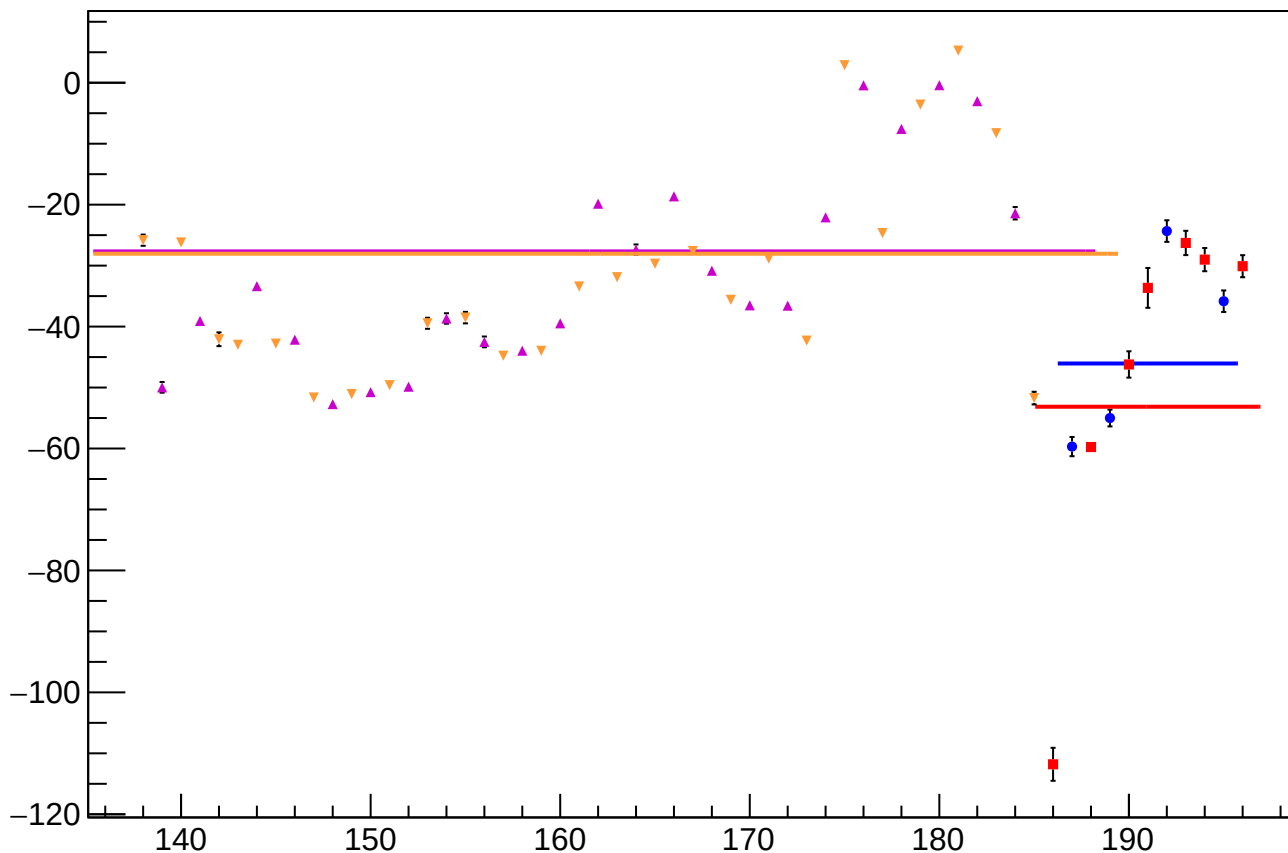
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF: 6555.4/22

+ sign 0.411 $\pm$ 0.108 χ^2 /NDF: 9082.9/28

All: 0.616 $\pm$ 0.077 χ^2 /NDF: 17046.8/58

- sign 0.833 $\pm$ 0.111 χ^2 /NDF: 7956.5/29

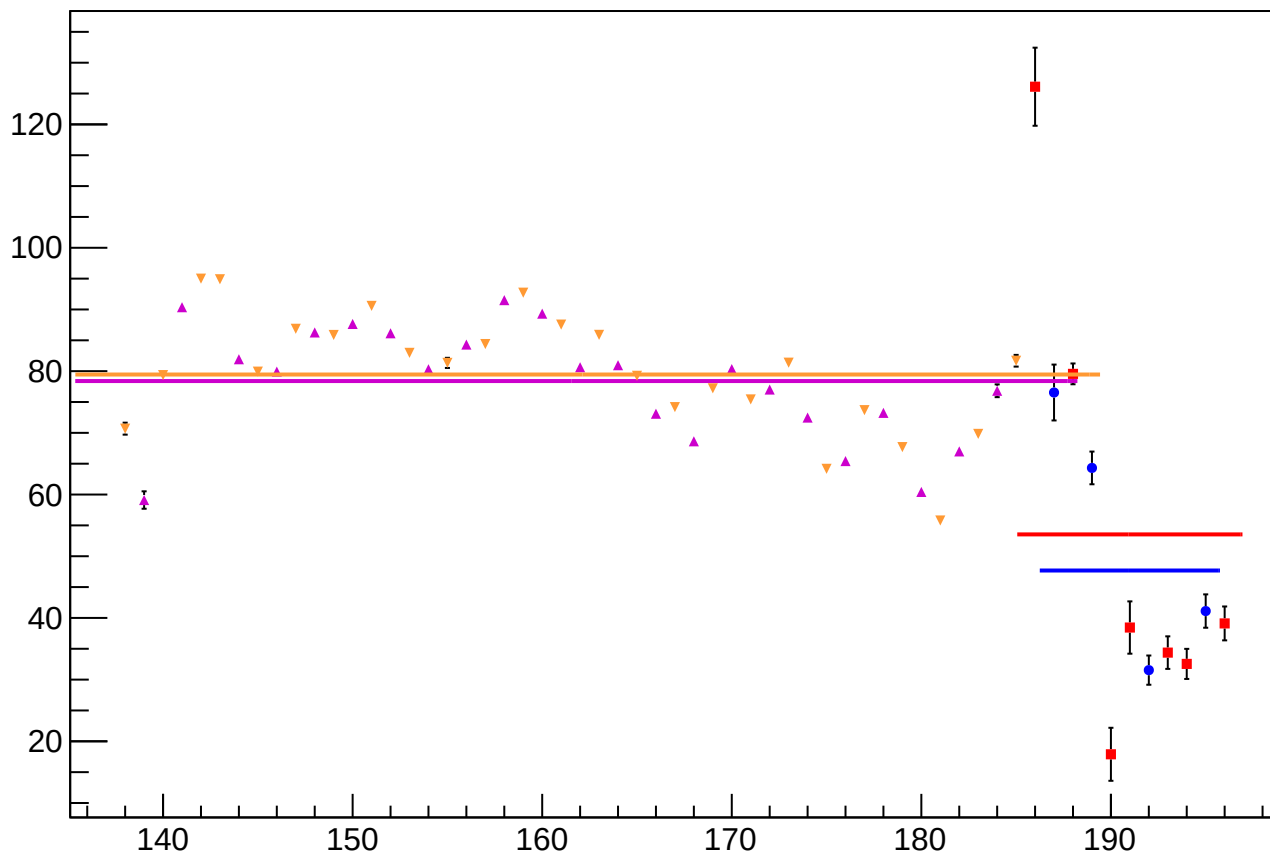
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -46.053 ± 0.798 χ^2/NDF : 300.5/3
 Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24
 Right Out: -53.148 ± 0.522 χ^2/NDF : 1125.0/6
 Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -28.586 ± 0.138 χ^2/NDF : 17938.2/28
 All: -29.009 ± 0.097 χ^2/NDF : 36299.2/58
 - sign -29.429 ± 0.137 χ^2/NDF : 18342.2/29

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 47.685 ± 1.406 $\chi^2/\text{NDF}: 132.3/3$

Left Out: 79.456 ± 0.123 $\chi^2/\text{NDF}: 6077.1/24$

Right Out: 53.539 ± 1.037 $\chi^2/\text{NDF}: 605.5/6$

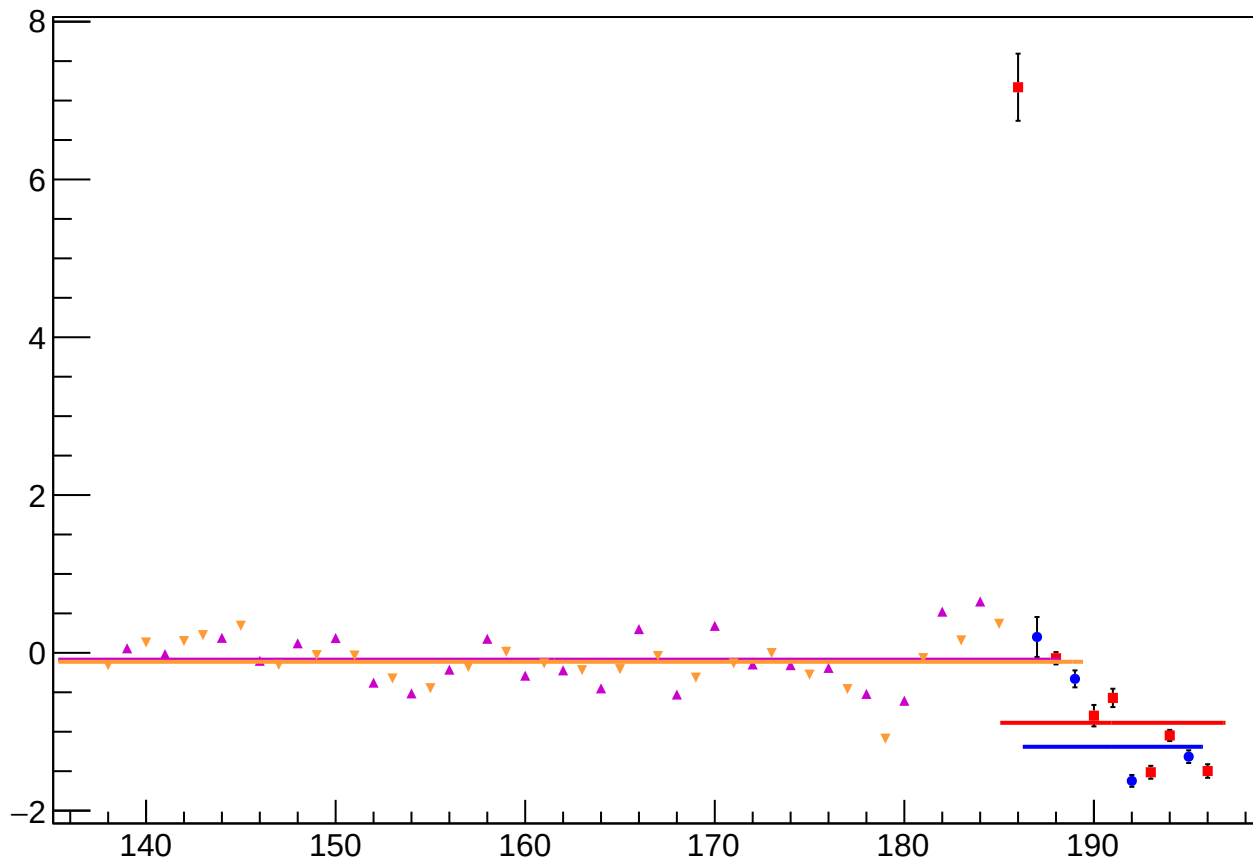
Left In: 78.396 ± 0.127 $\chi^2/\text{NDF}: 4707.3/22$

+ sign 79.214 ± 0.123 $\chi^2/\text{NDF}: 6716.4/28$

All: 78.637 ± 0.088 $\chi^2/\text{NDF}: 12641.2/58$

- sign 78.030 ± 0.126 $\chi^2/\text{NDF}: 5879.5/29$

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -1.191 ± 0.048 χ^2/NDF : 130.1/3

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.887 ± 0.036 χ^2/NDF : 590.8/6

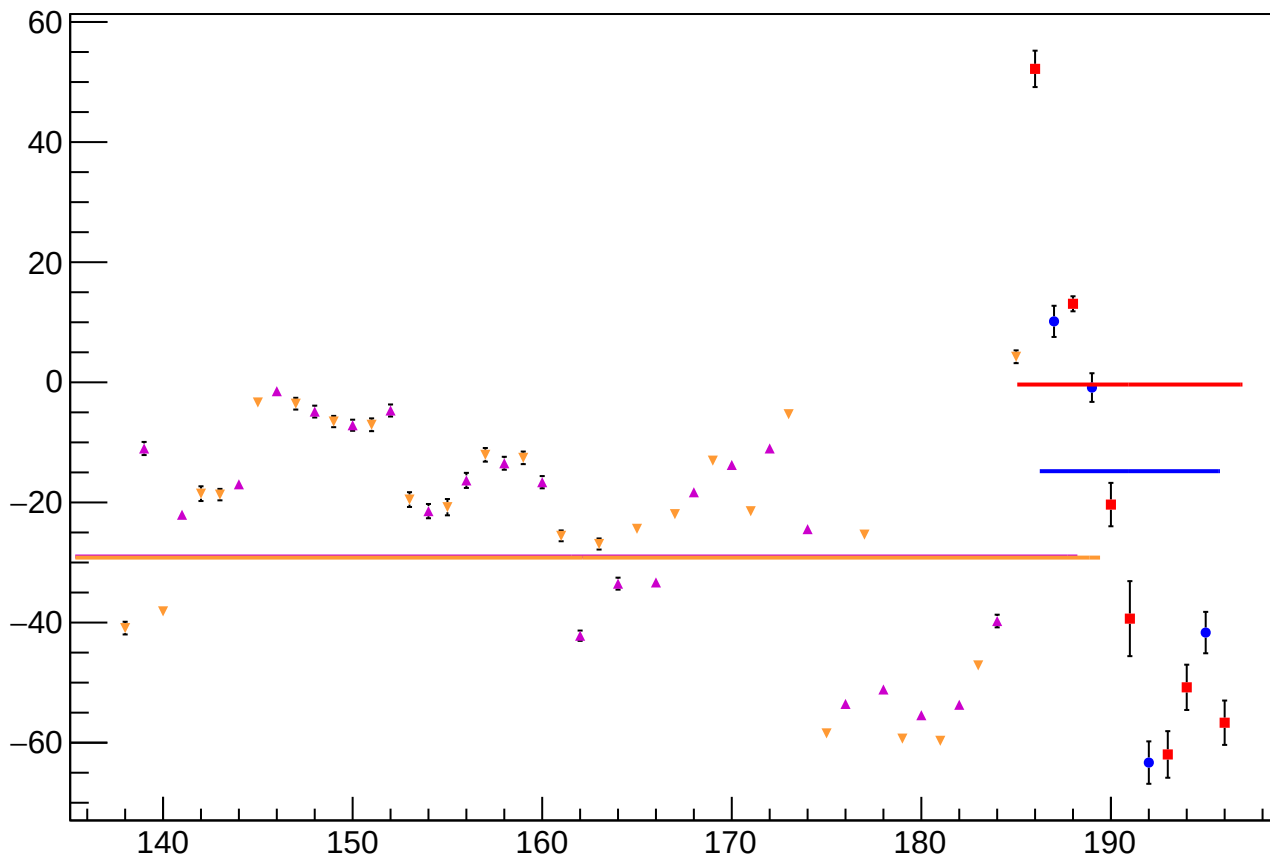
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.128 ± 0.006 χ^2/NDF : 2930.7/28

All: -0.118 ± 0.004 χ^2/NDF : 7148.9/58

- sign -0.107 ± 0.006 χ^2/NDF : 4210.9/29

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -14.793 ± 1.431 χ^2/NDF : 375.8/3

Left Out: -29.180 ± 0.157 χ^2/NDF : 16912.2/24

Right Out: -0.367 ± 0.972 χ^2/NDF : 1149.0/6

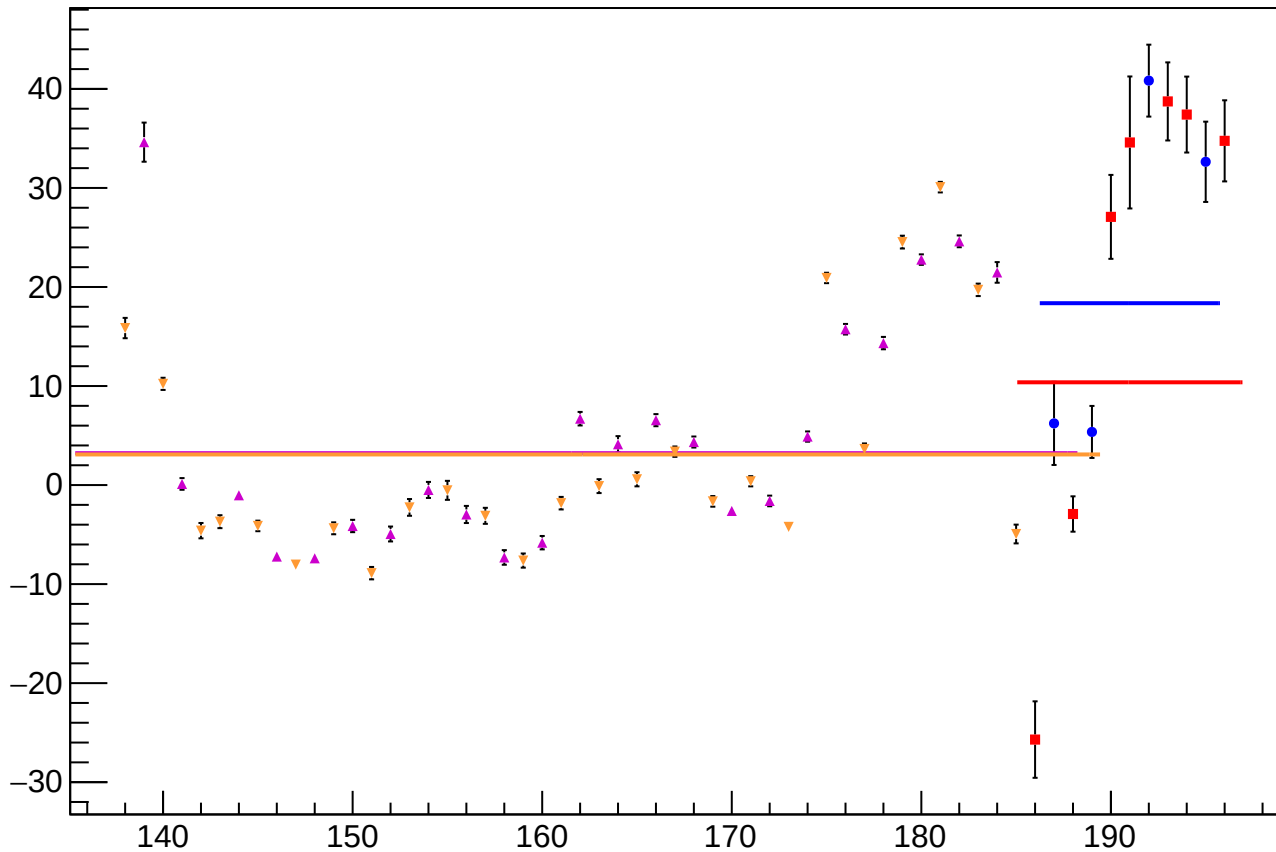
Left In: -29.003 ± 0.160 χ^2/NDF : 13416.8/22

+ sign -29.010 ± 0.156 χ^2/NDF : 17387.9/28

All: -28.634 ± 0.111 χ^2/NDF : 32811.1/58

- sign -28.249 ± 0.158 χ^2/NDF : 15411.4/29

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 18.363 $\pm$ 1.719 χ^2 /NDF: 83.5/3

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF: 8084.1/24

Right Out: 10.376 $\pm$ 1.239 χ^2 /NDF: 308.5/6

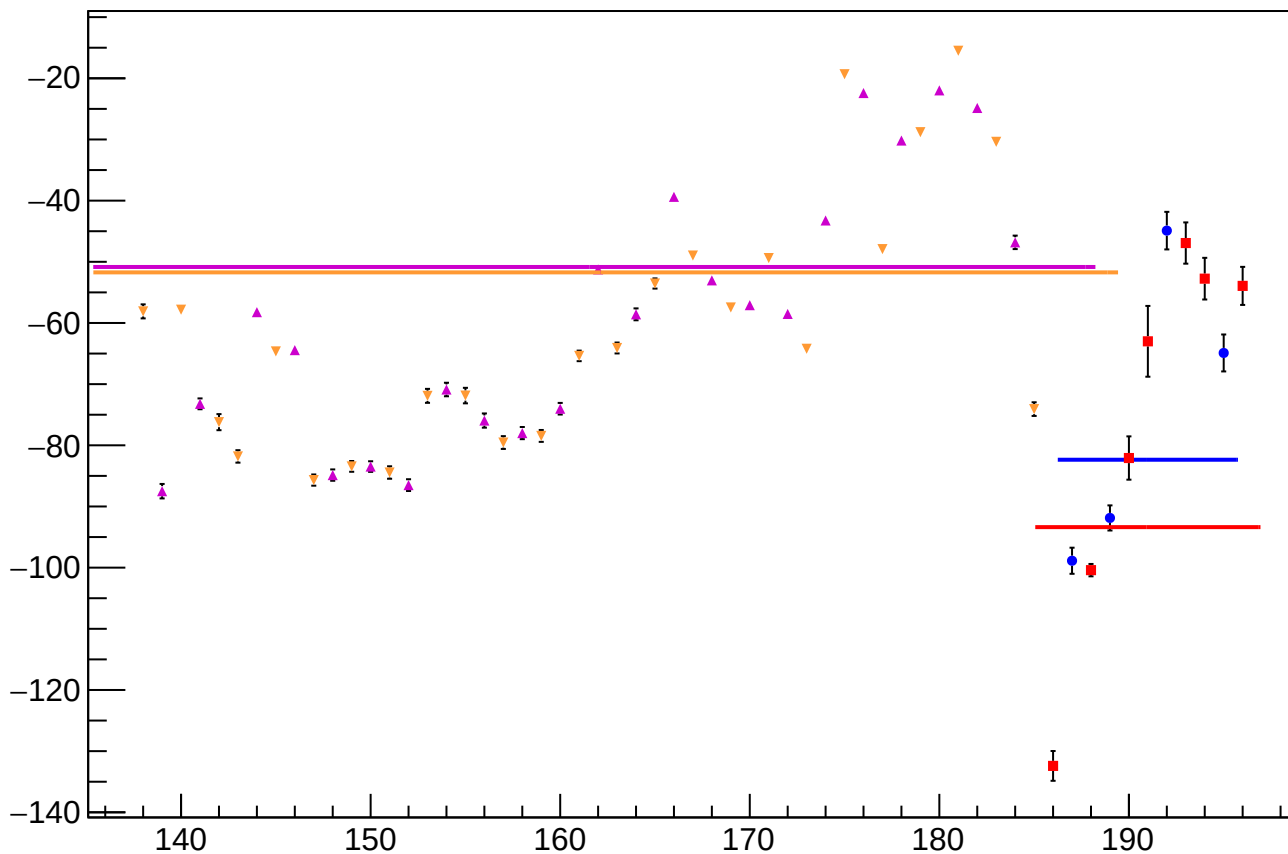
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF: 6237.6/22

+ sign 3.170 $\pm$ 0.124 χ^2 /NDF: 8246.1/28

All: 3.232 $\pm$ 0.089 χ^2 /NDF: 14825.7/58

- sign 3.295 $\pm$ 0.126 χ^2 /NDF: 6579.1/29

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -82.359 $\pm$ 1.219 χ^2 /NDF: 263.5/3

Left Out: -51.729 $\pm$ 0.158 χ^2 /NDF:19538.0/24

Right Out: -93.377 $\pm$ 0.807 χ^2 /NDF: 835.7/6

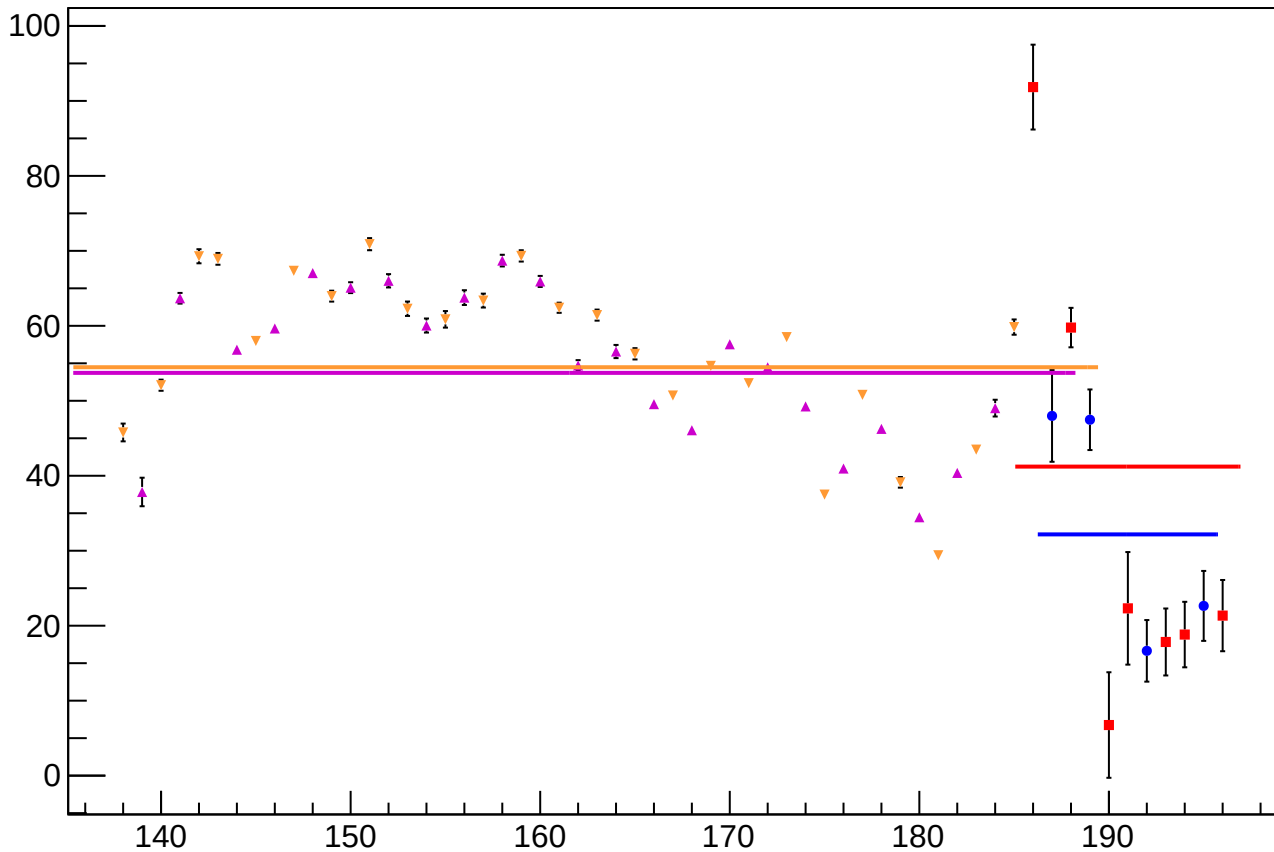
Left In: -50.844 $\pm$ 0.160 χ^2 /NDF:17272.0/22

+ sign -52.234 $\pm$ 0.157 χ^2 /NDF: 20422.0/28

All: -52.344 $\pm$ 0.111 χ^2 /NDF: 41201.8/58

- sign -52.454 $\pm$ 0.157 χ^2 /NDF: 20778.7/29

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 32.179 ± 2.275 $\chi^2/\text{NDF}: 39.5/3$

Left Out: 54.476 ± 0.140 $\chi^2/\text{NDF}: 6266.9/24$

Right Out: 41.222 ± 1.666 $\chi^2/\text{NDF}: 231.2/6$

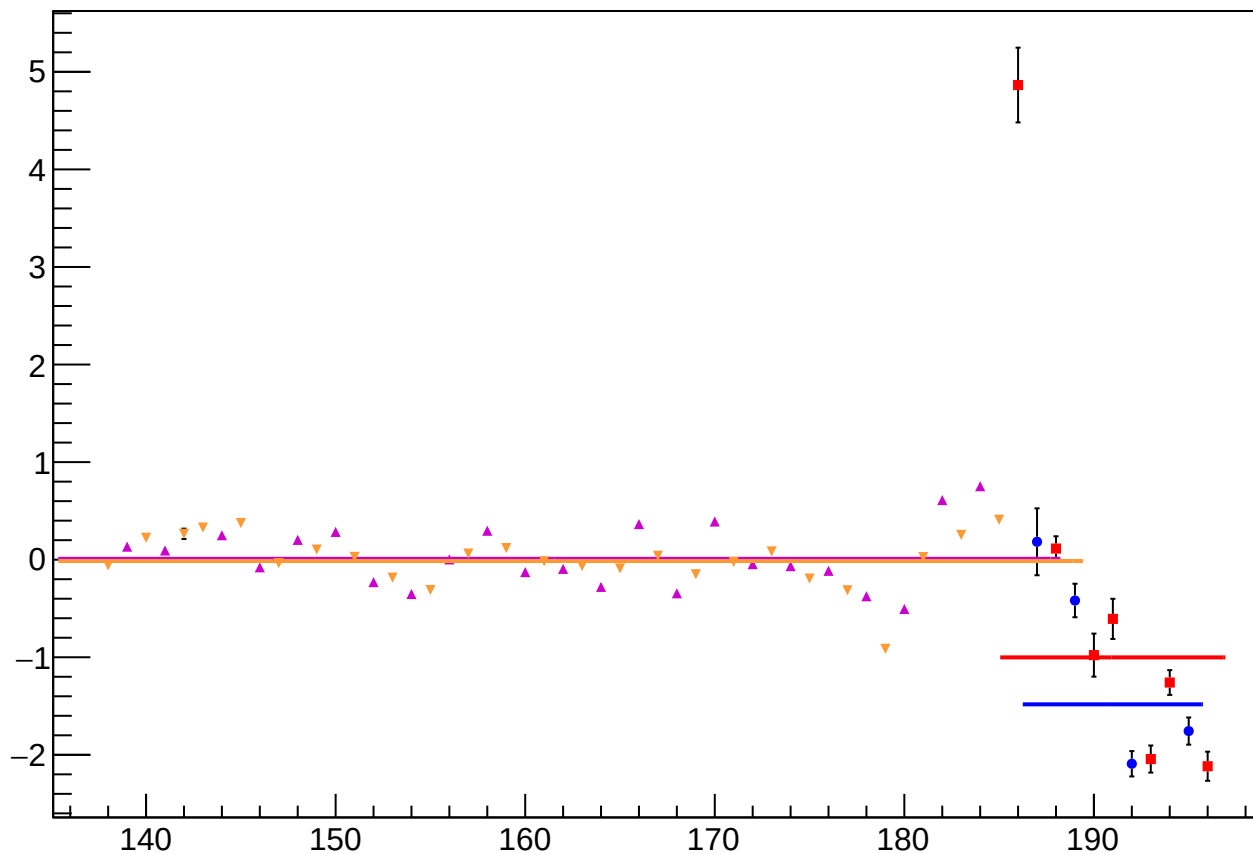
Left In: 53.724 ± 0.143 $\chi^2/\text{NDF}: 4585.7/22$

+ sign 54.392 ± 0.140 $\chi^2/\text{NDF}: 6402.1/28$

All: 54.019 ± 0.100 $\chi^2/\text{NDF}: 11289.4/58$

- sign 53.632 ± 0.143 $\chi^2/\text{NDF}: 4872.9/29$

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.483+/-0.081 χ^2/NDF : 87.8/3

Left Out: -0.014+/-0.006 χ^2/NDF :1654.7/24

Right Out: -1.001+/-0.061 χ^2/NDF : 433.4/6

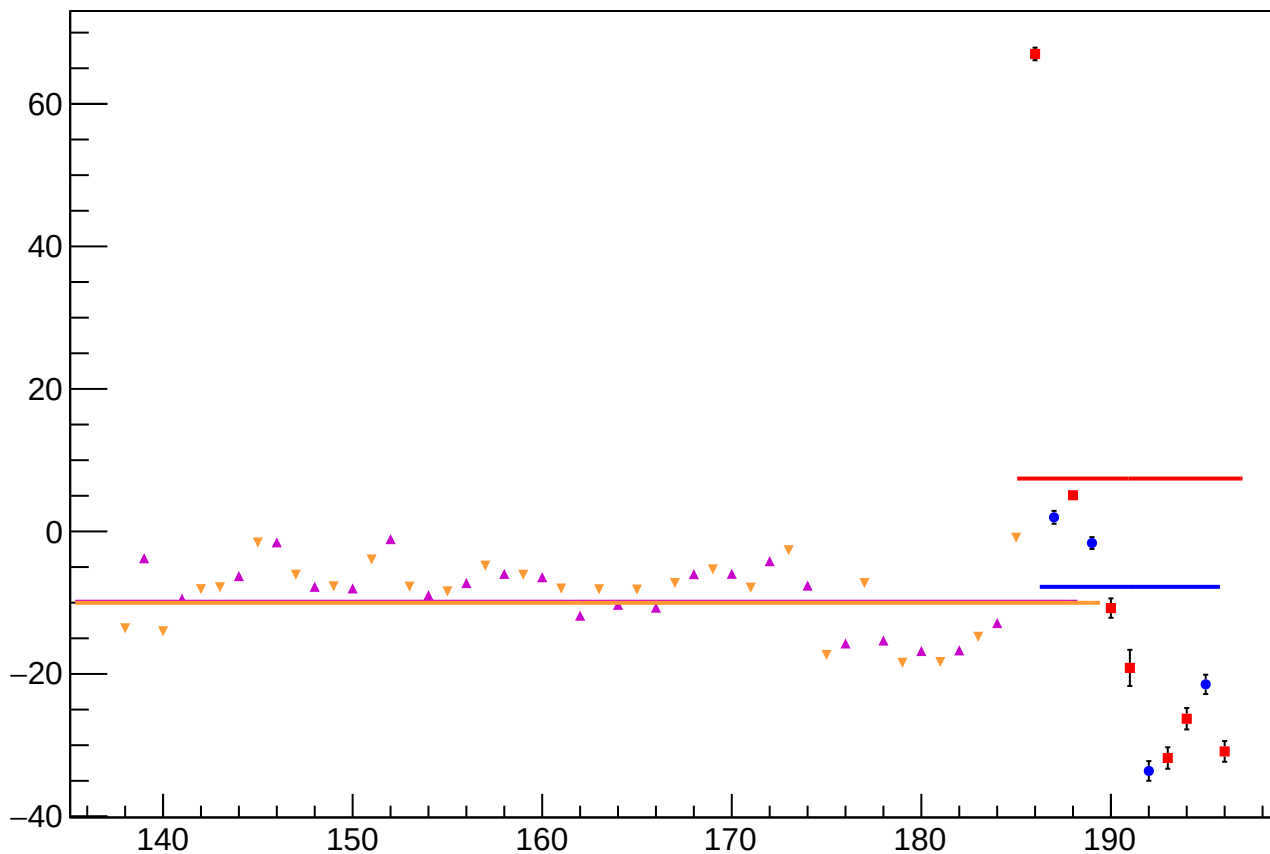
Left In: 0.009+/-0.007 χ^2/NDF :2220.5/22

+ sign -0.023+/-0.006 χ^2/NDF : 2071.1/28

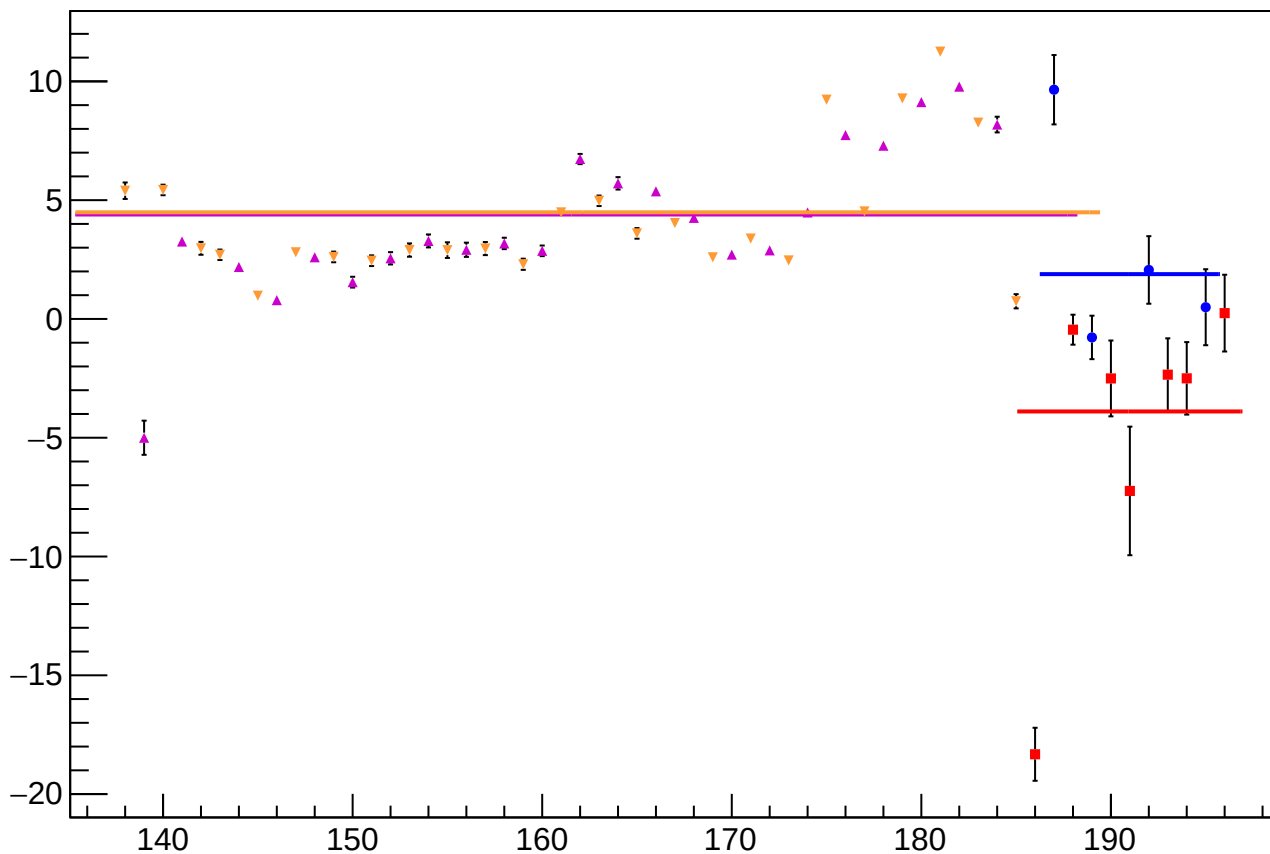
All: -0.013+/-0.005 χ^2/NDF : 5005.6/58

- sign -0.003+/-0.007 χ^2/NDF : 2929.6/29

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.886 ± 0.626 χ^2/NDF : 37.5/3

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -3.894 ± 0.443 χ^2/NDF : 207.6/6

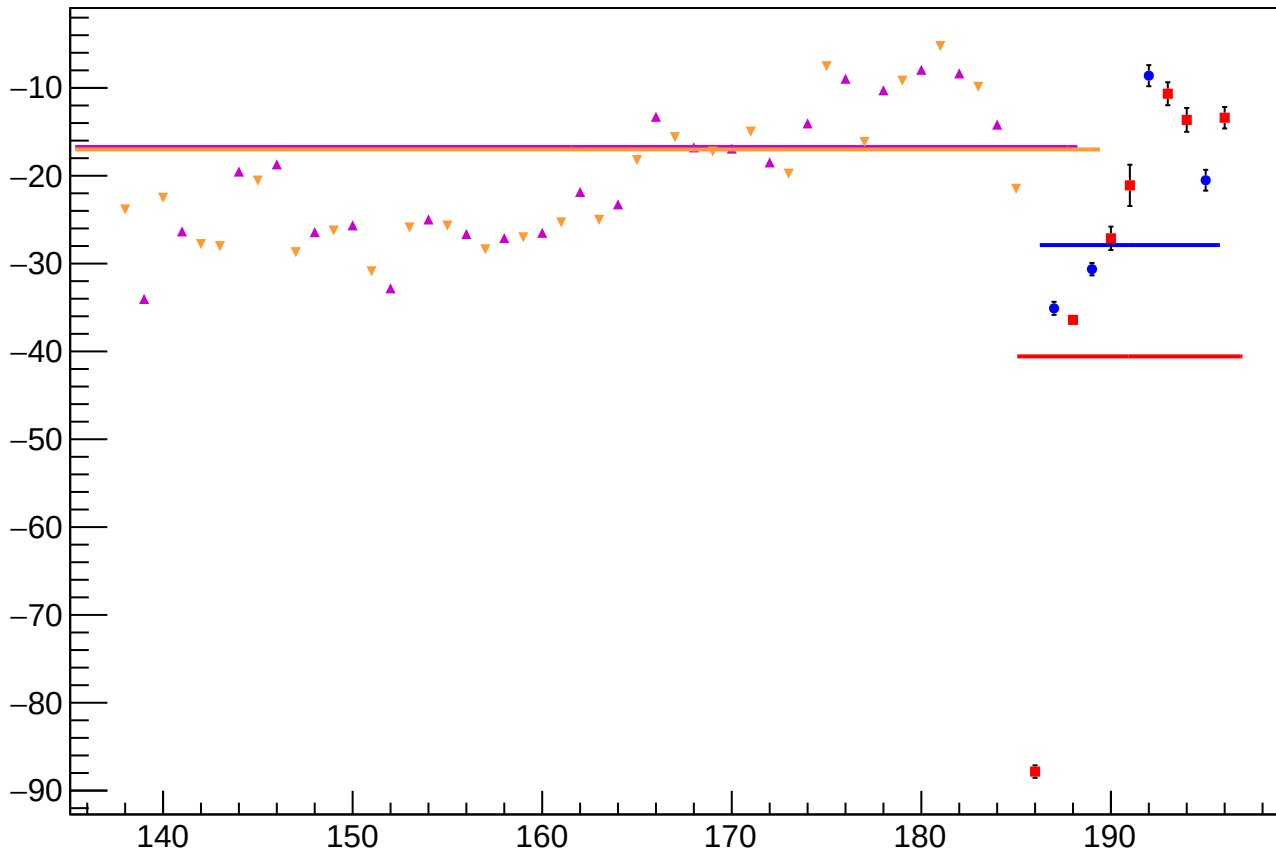
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.478 ± 0.041 χ^2/NDF : 4887.0/28

All: 4.402 ± 0.029 χ^2/NDF : 9678.5/58

- sign 4.325 ± 0.041 χ^2/NDF : 4784.5/29

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -27.892 ± 0.437 $\chi^2/\text{NDF}: 405.7/3$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -40.567 ± 0.286 $\chi^2/\text{NDF}: 6134.4/6$

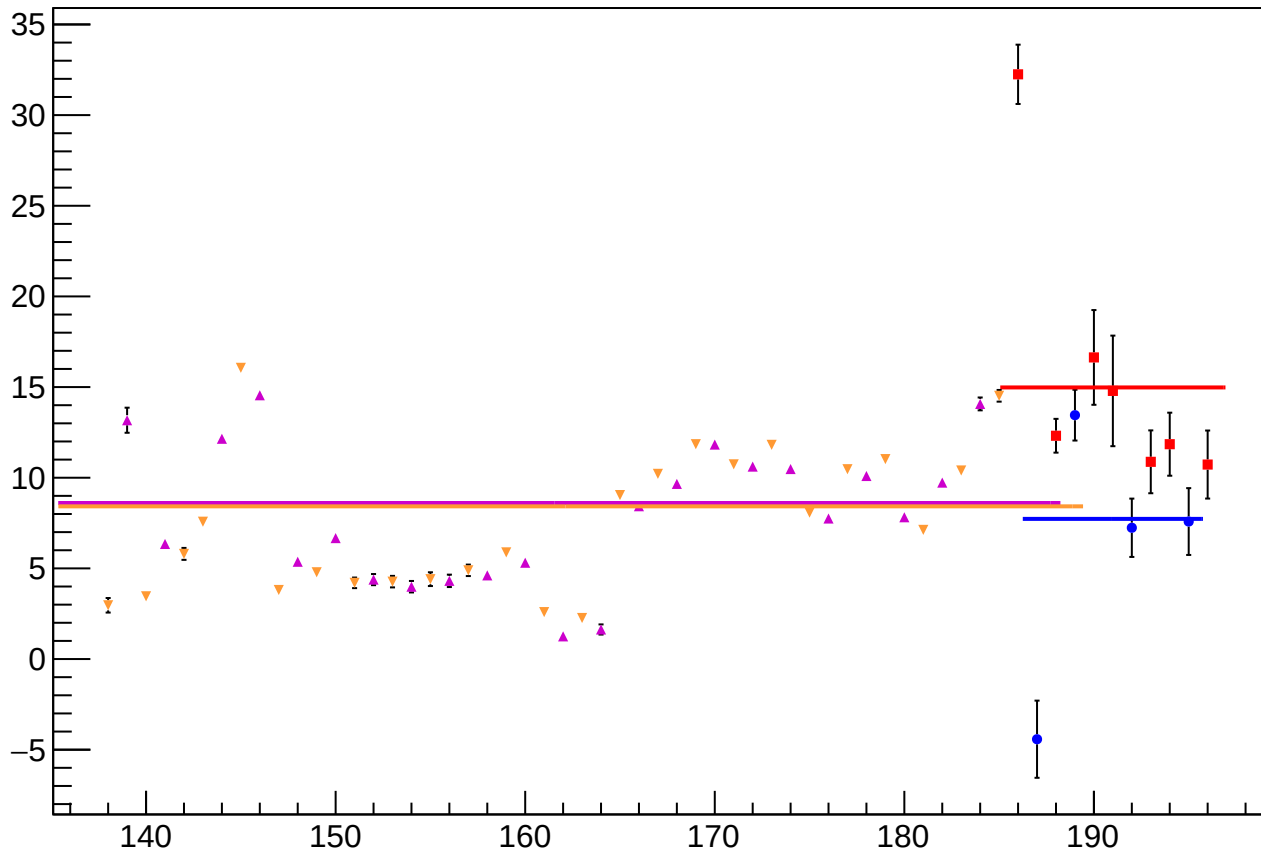
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.155 ± 0.051 $\chi^2/\text{NDF}: 23111.3/28$

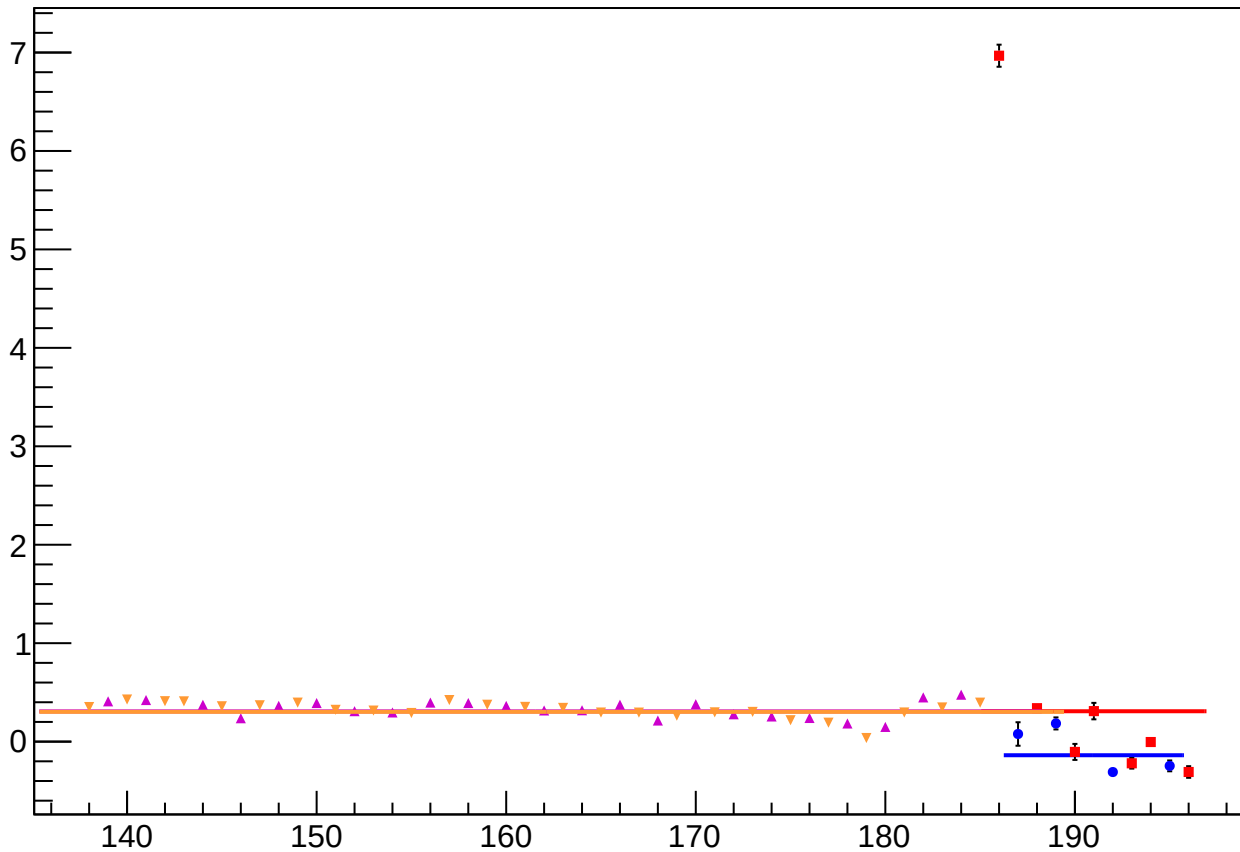
All: -17.319 ± 0.036 $\chi^2/\text{NDF}: 54787.0/58$

- sign -17.483 ± 0.051 $\chi^2/\text{NDF}: 31654.8/29$

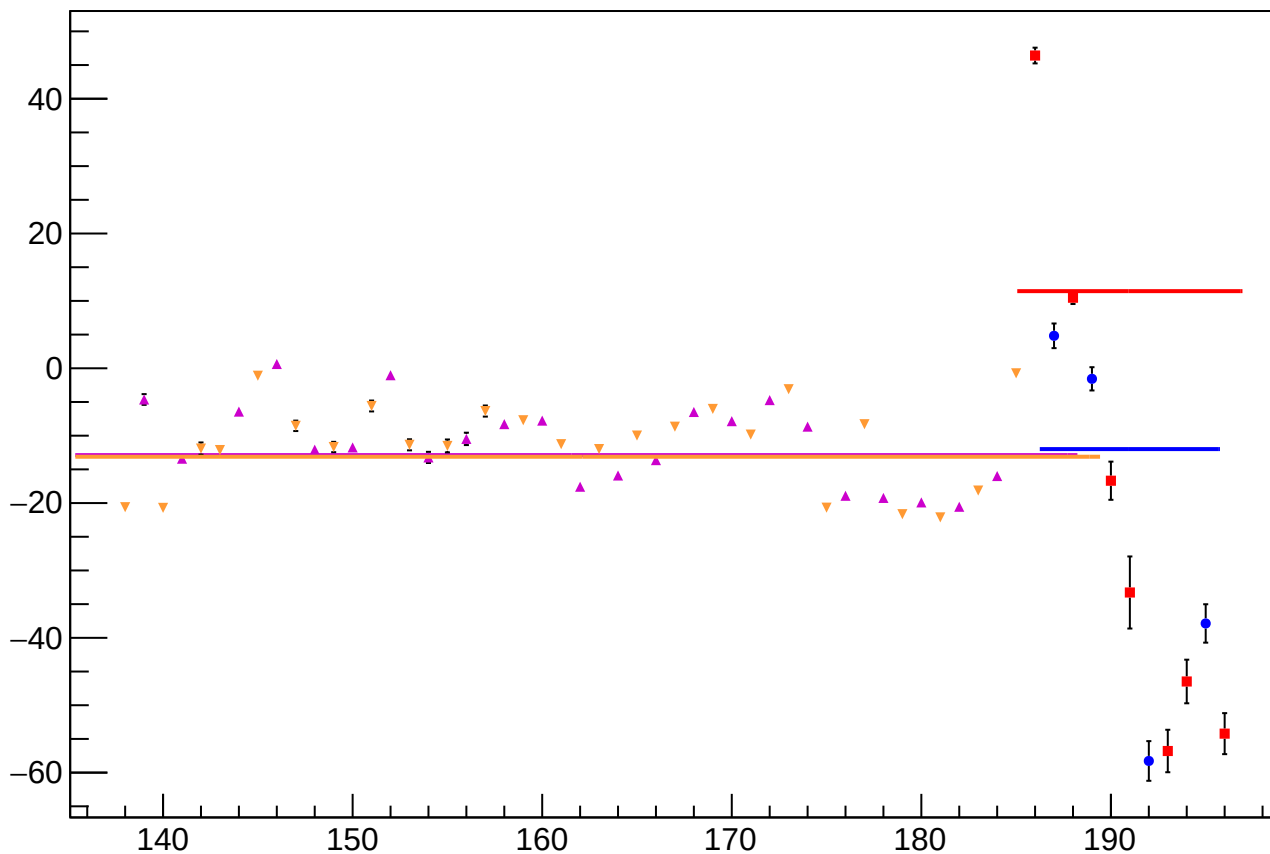
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -11.991 ± 1.070 $\chi^2/\text{NDF}: 450.6/3$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: 11.448 ± 0.652 $\chi^2/\text{NDF}: 2323.3/6$

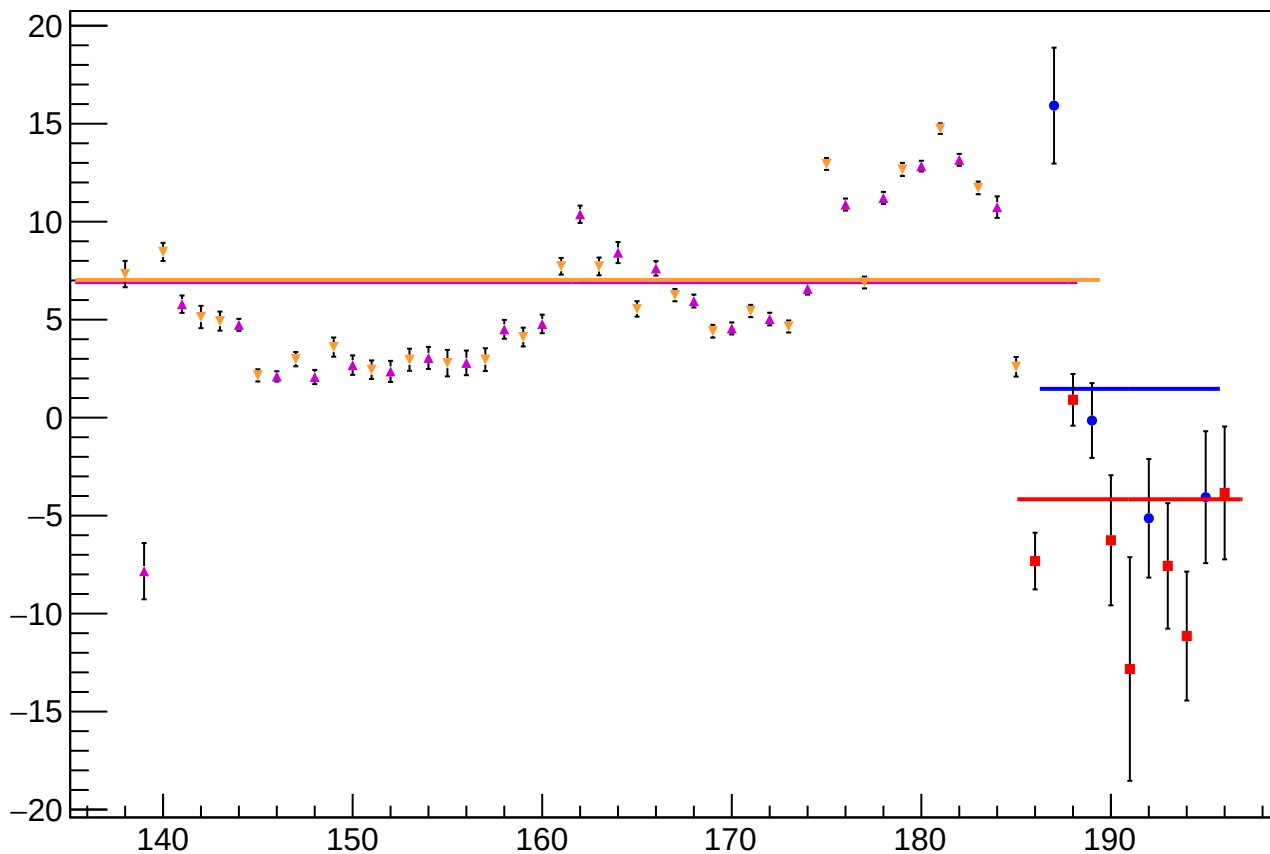
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.116 ± 0.093 $\chi^2/\text{NDF}: 6429.3/28$

All: -12.751 ± 0.066 $\chi^2/\text{NDF}: 14922.0/58$

- sign -12.379 ± 0.094 $\chi^2/\text{NDF}: 8461.8/29$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 1.469+/-1.306 χ^2/NDF : 32.1/3

Left Out: 7.028+/-0.077 χ^2/NDF :2665.3/24

Right Out: -4.165+/-0.830 χ^2/NDF : 27.9/6

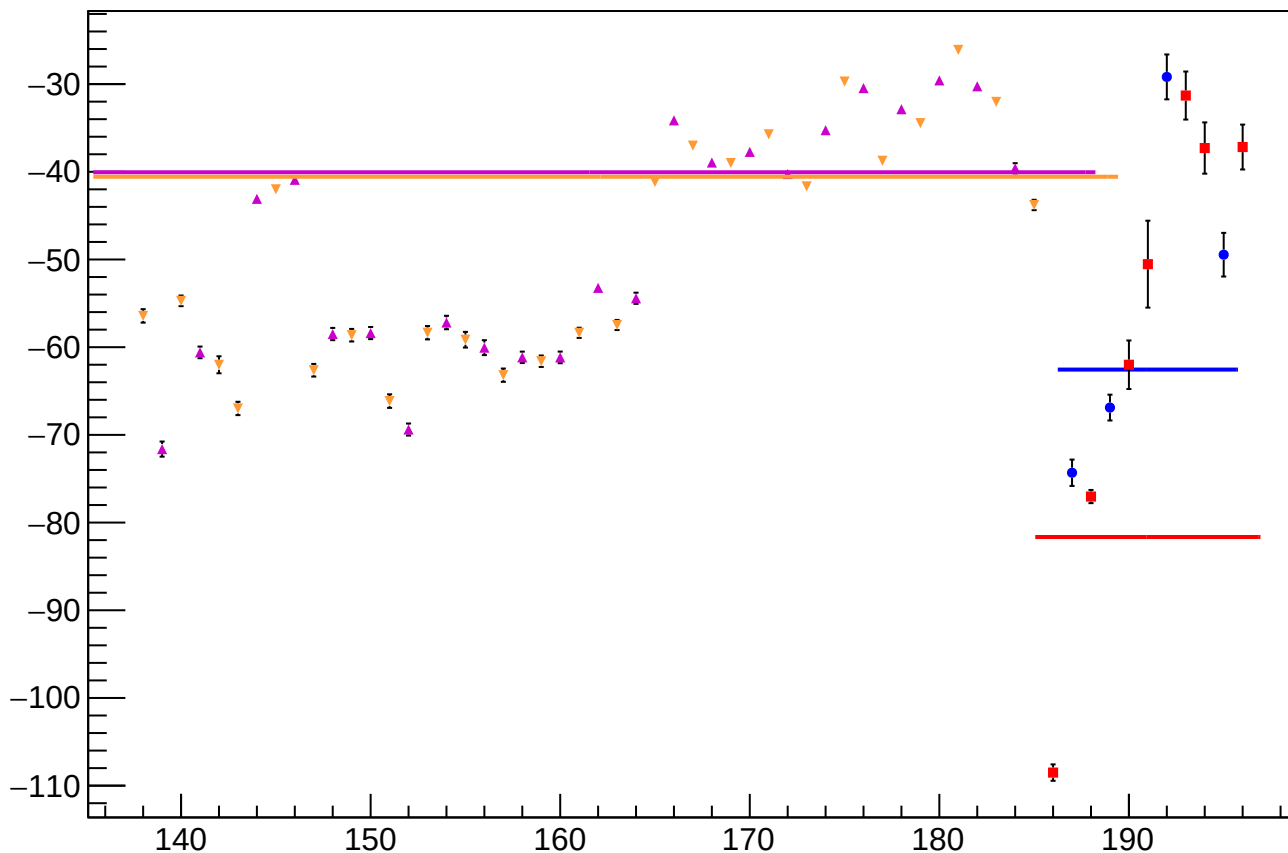
Left In: 6.914+/-0.078 χ^2/NDF :2428.2/22

+ sign 7.008+/-0.077 χ^2/NDF : 2715.4/28

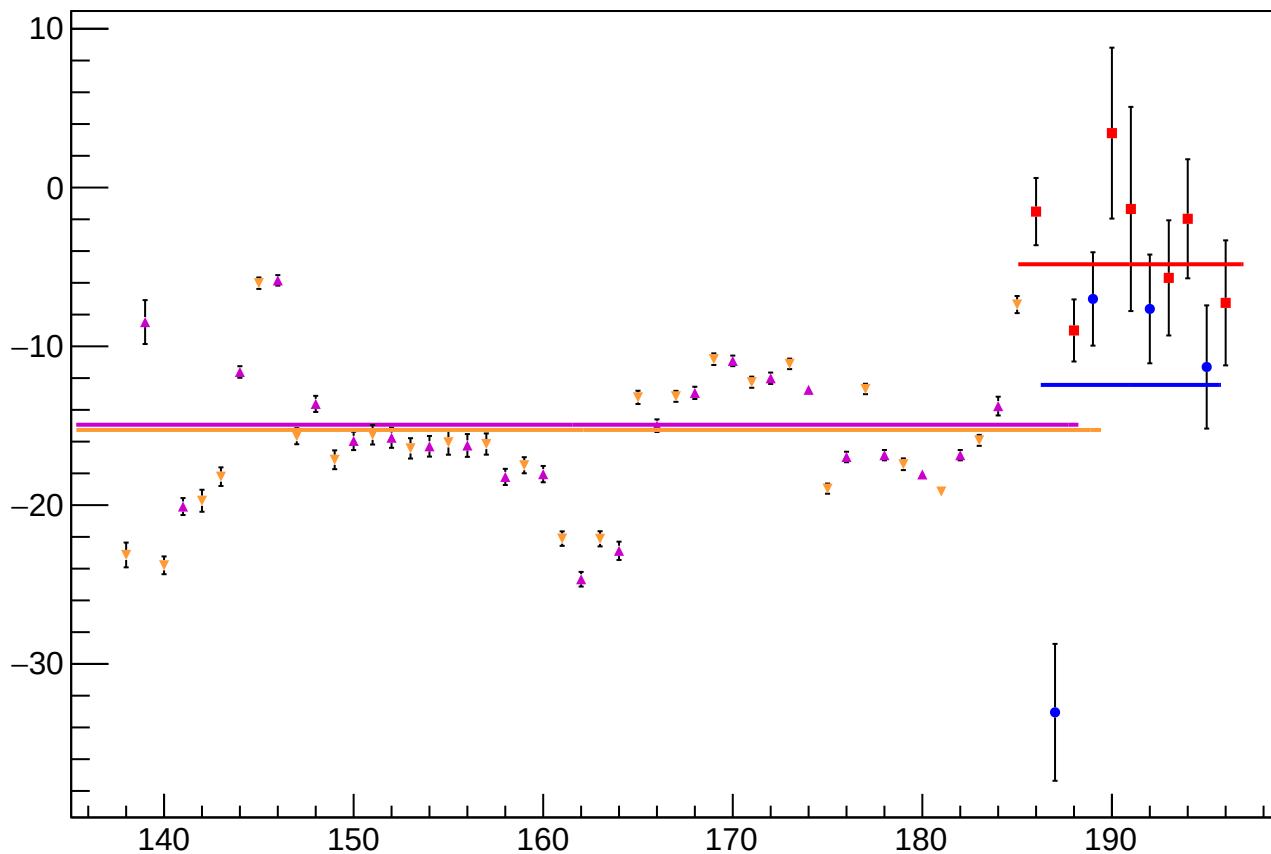
All: 6.913+/-0.055 χ^2/NDF : 5351.2/58

- sign 6.818+/-0.077 χ^2/NDF : 2632.7/29

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -12.429 ± 1.764 $\chi^2/\text{NDF}: 28.3/3$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -4.831 ± 1.151 $\chi^2/\text{NDF}: 10.7/6$

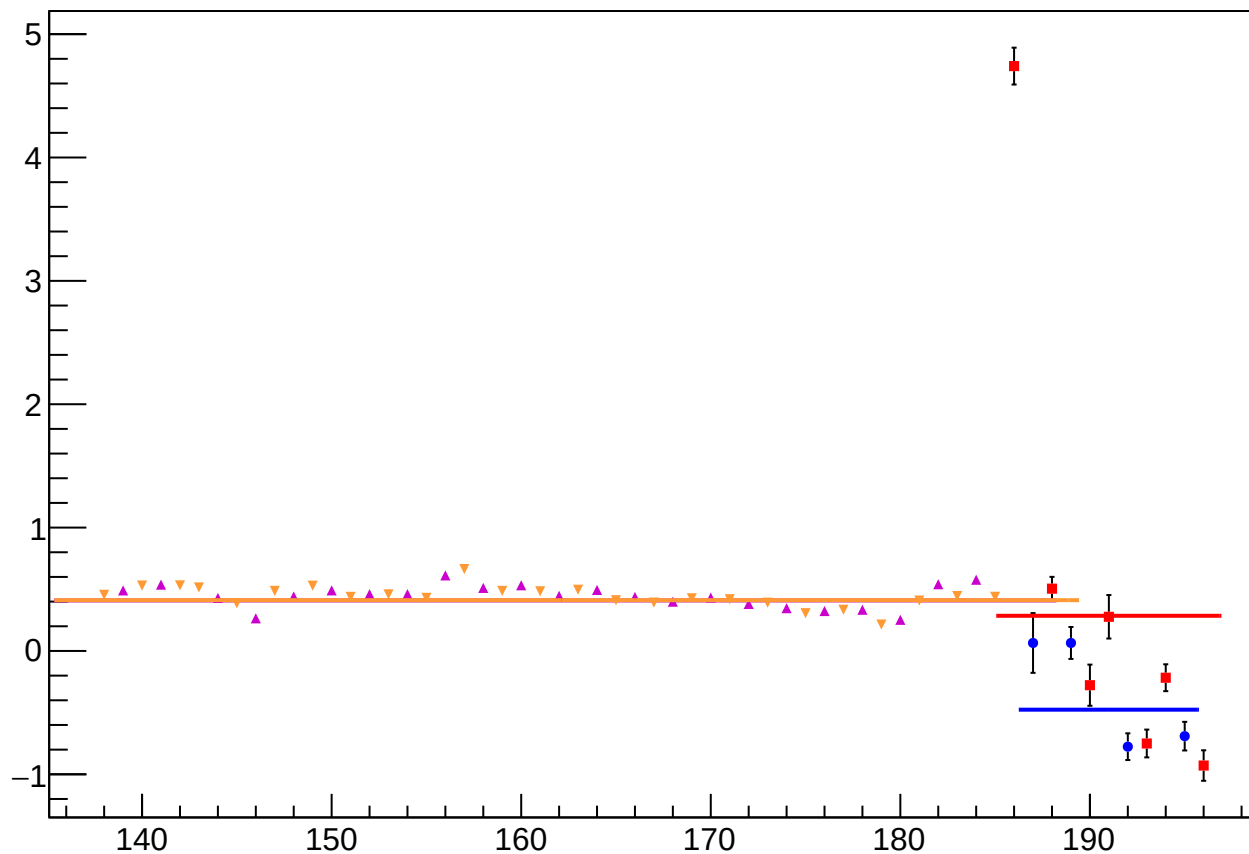
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.259 ± 0.086 $\chi^2/\text{NDF}: 2626.3/28$

All: -15.071 ± 0.061 $\chi^2/\text{NDF}: 4923.1/58$

- sign -14.879 ± 0.087 $\chi^2/\text{NDF}: 2287.0/29$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: -0.476±/0.065 χ^2/NDF : 33.5/3

Left Out: 0.411±/0.004 χ^2/NDF : 428.7/24

Right Out: 0.285±/0.047 χ^2/NDF : 1108.6/6

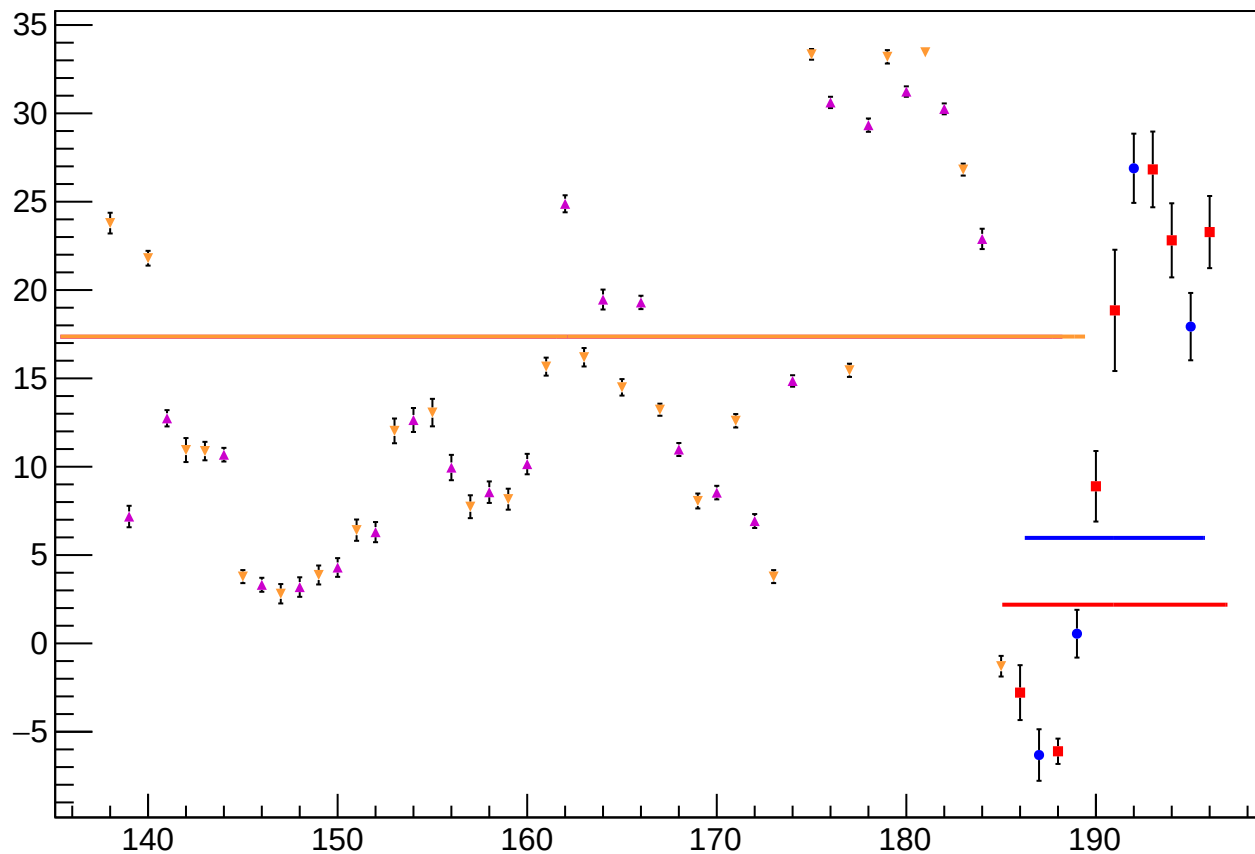
Left In: 0.409±/0.004 χ^2/NDF : 557.8/22

+ sign 0.408±/0.004 χ^2/NDF : 647.7/28

All: 0.408±/0.003 χ^2/NDF : 2321.0/58

- sign 0.409±/0.004 χ^2/NDF : 1673.4/29

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 5.972 ± 0.802 χ^2/NDF : 240.5/3

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: 2.191 ± 0.544 χ^2/NDF : 514.7/6

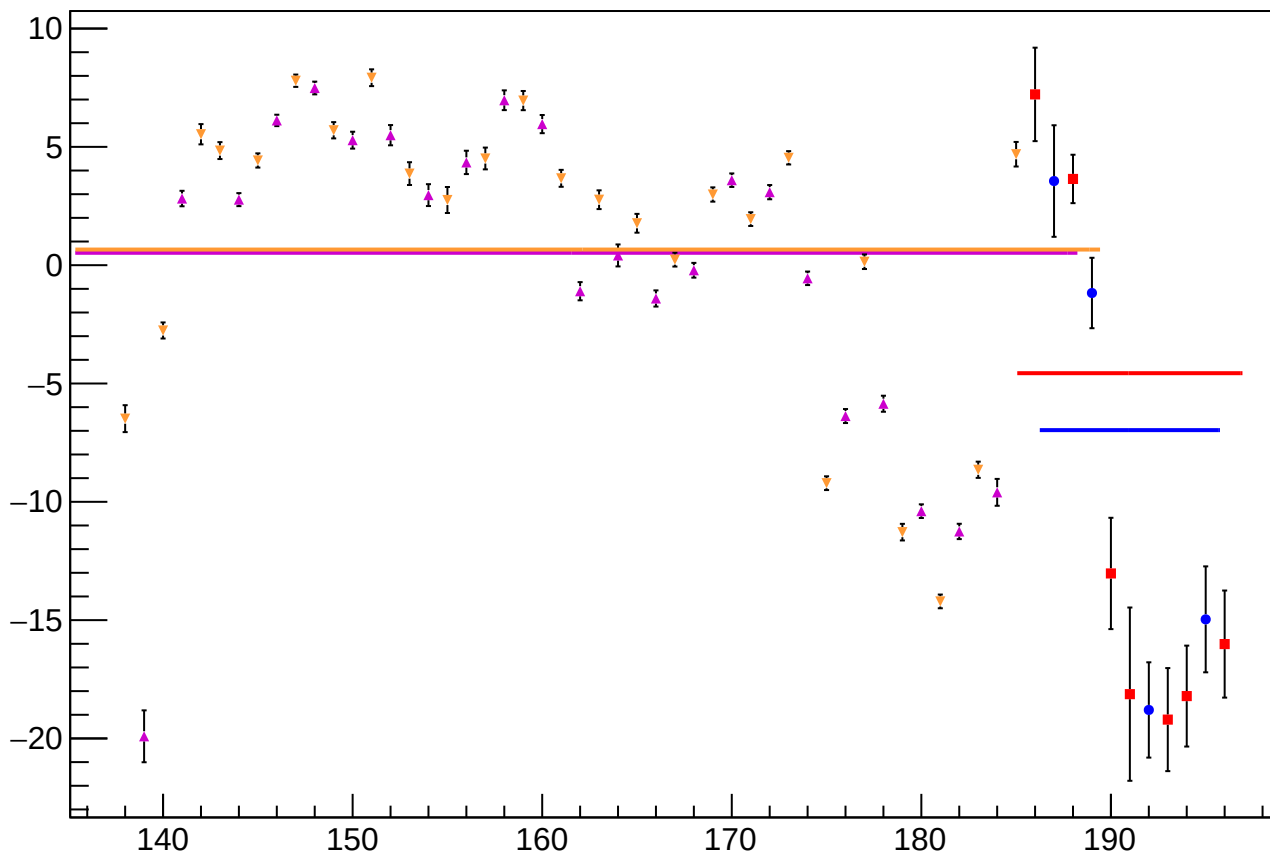
Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

+ sign 17.235 ± 0.087 χ^2/NDF : 16777.5/28

All: 17.099 ± 0.062 χ^2/NDF : 30799.5/58

- sign 16.960 ± 0.088 χ^2/NDF : 14017.1/29

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -6.970 ± 0.963 $\chi^2/\text{NDF}: 82.4/3$

Left Out: 0.661 ± 0.069 $\chi^2/\text{NDF}: 8553.9/24$

Right Out: -4.564 ± 0.691 $\chi^2/\text{NDF}: 238.4/6$

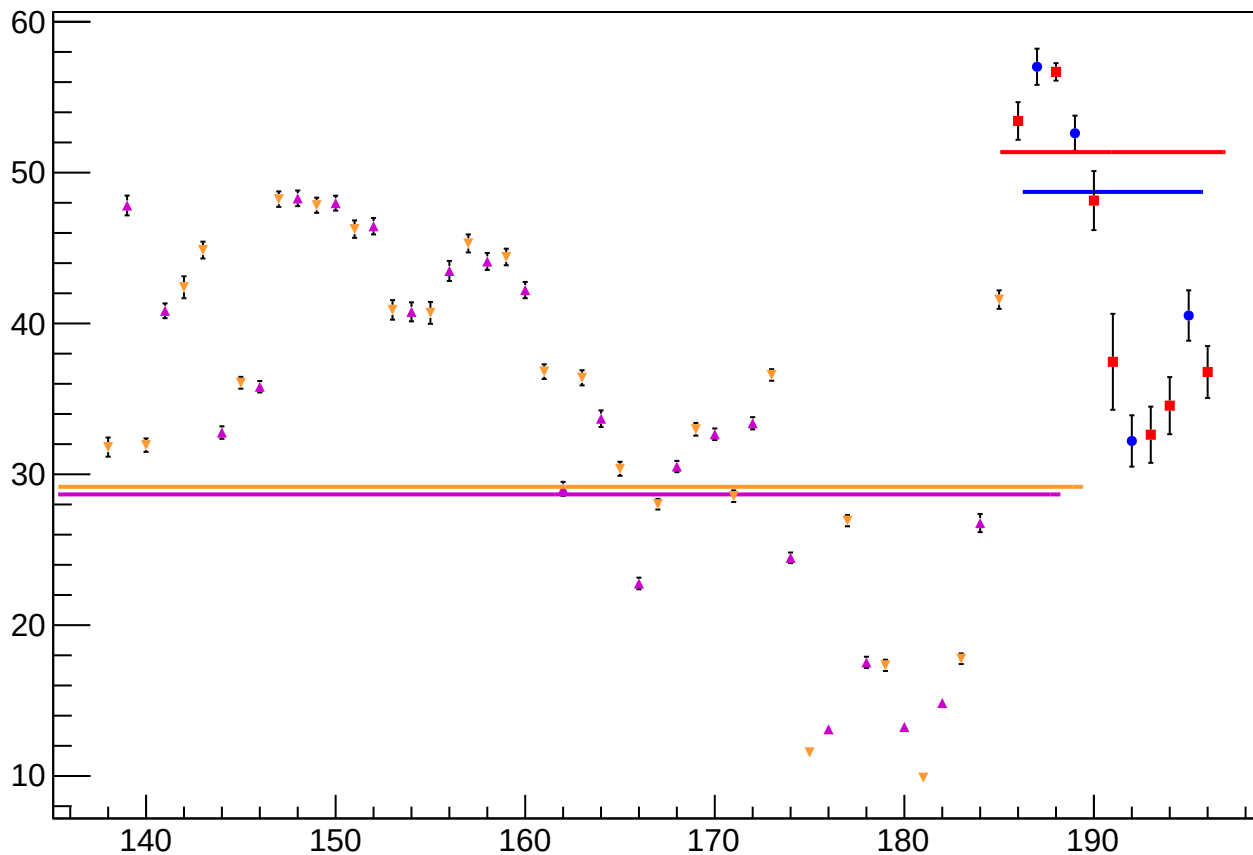
Left In: 0.524 ± 0.071 $\chi^2/\text{NDF}: 6729.7/22$

+ sign 0.621 ± 0.069 $\chi^2/\text{NDF}: 8698.7/28$

All: 0.548 ± 0.049 $\chi^2/\text{NDF}: 15722.7/58$

- sign 0.471 ± 0.070 $\chi^2/\text{NDF}: 7021.7/29$

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 48.721 $\pm$ 0.685 χ^2 /NDF: 177.1/3

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 51.358 $\pm$ 0.452 χ^2 /NDF: 360.7/6

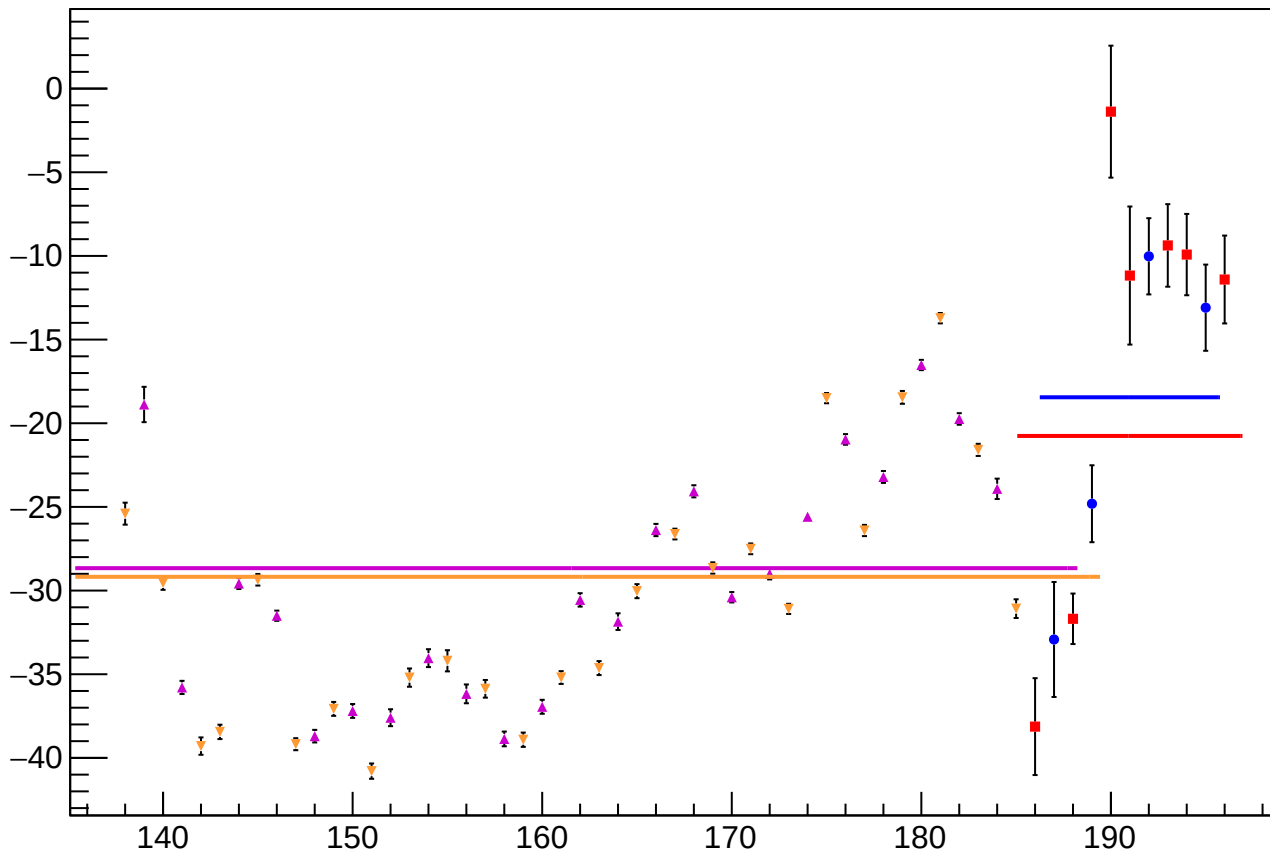
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 29.487 $\pm$ 0.087 χ^2 /NDF: 19954.0/28

All: 29.502 $\pm$ 0.062 χ^2 /NDF: 39587.6/58

- sign 29.516 $\pm$ 0.087 χ^2 /NDF: 19633.5/29

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -18.448 ± 1.273 $\chi^2/\text{NDF}: 43.4/3$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -20.759 ± 0.928 $\chi^2/\text{NDF}: 171.9/6$

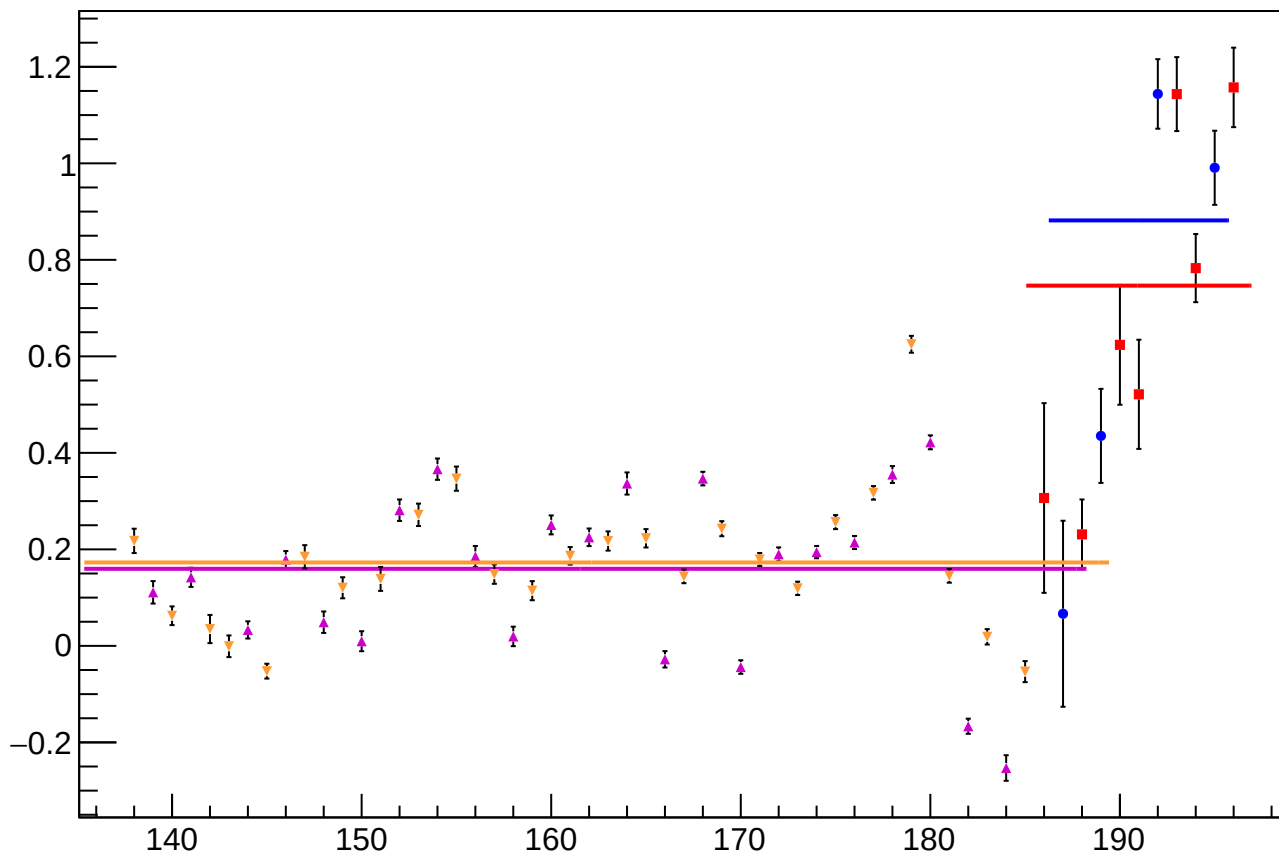
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -29.138 ± 0.078 $\chi^2/\text{NDF}: 9195.6/28$

All: -28.875 ± 0.056 $\chi^2/\text{NDF}: 16132.6/58$

- sign -28.602 ± 0.080 $\chi^2/\text{NDF}: 6913.9/29$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.882 ± 0.045 χ^2/NDF : 54.1/3

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.747 ± 0.034 χ^2/NDF : 112.7/6

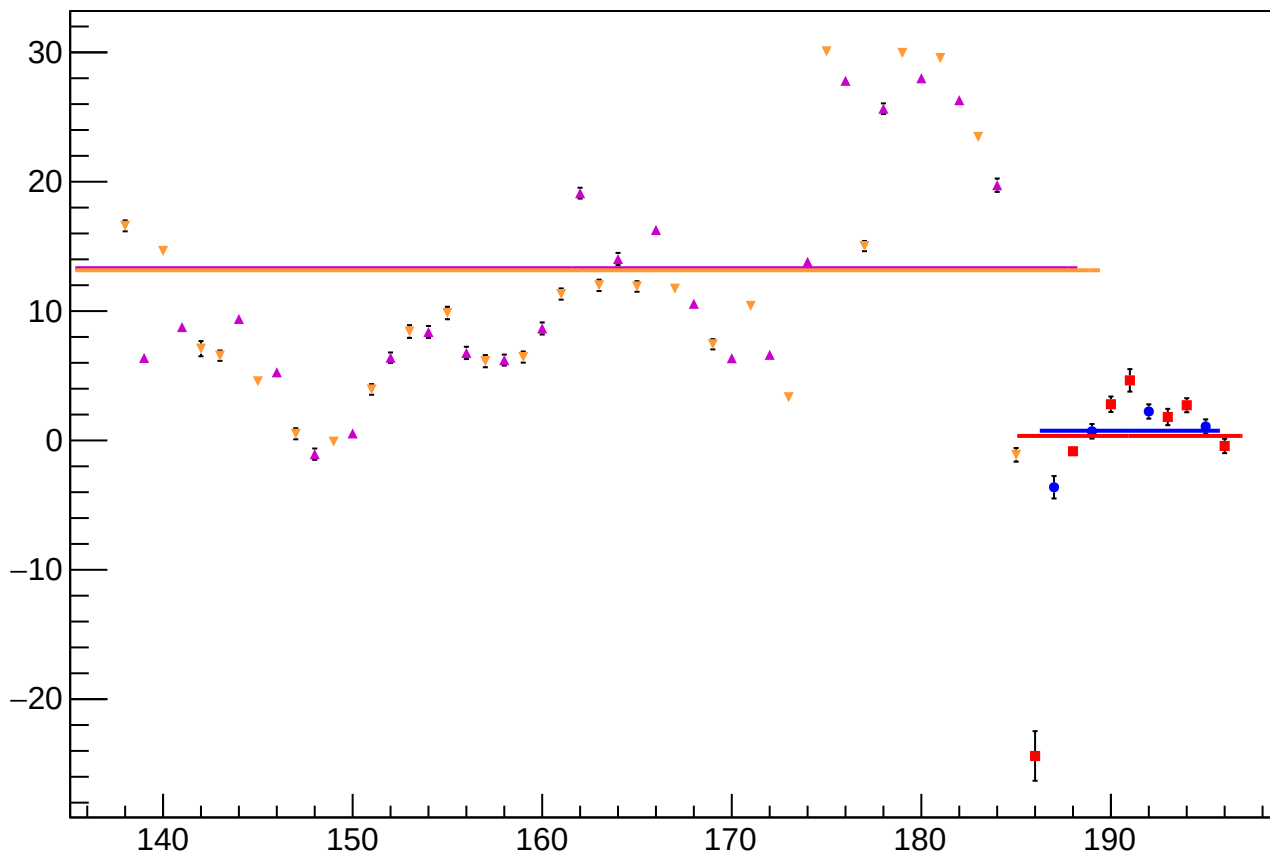
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.177 ± 0.004 χ^2/NDF : 1779.5/28

All: 0.172 ± 0.003 χ^2/NDF : 4253.6/58

- sign 0.167 ± 0.004 χ^2/NDF : 2469.6/29

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.751 ± 0.301 χ^2/NDF : 32.9/3

Left Out: 13.153 ± 0.075 χ^2/NDF : 17079.7/24

Right Out: 0.350 ± 0.196 χ^2/NDF : 251.2/6

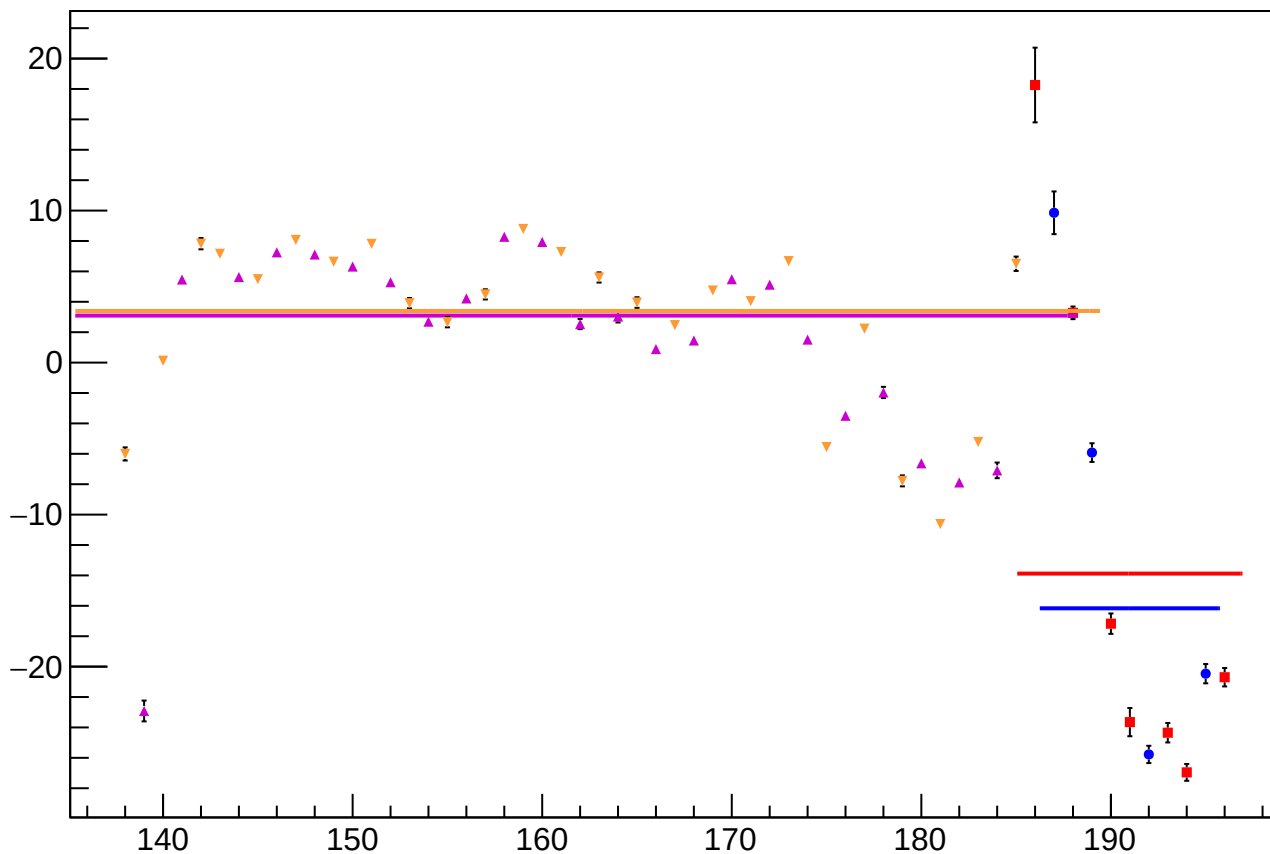
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 12.424 ± 0.073 χ^2/NDF : 18711.8/28

All: 11.992 ± 0.051 χ^2/NDF : 36806.0/58

- sign 11.574 ± 0.072 χ^2/NDF : 18025.3/29

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -16.164 ± 0.339 χ^2/NDF : 952.3/3

Left Out: 3.396 ± 0.058 χ^2/NDF : 8101.5/24

Right Out: -13.880 ± 0.237 χ^2/NDF : 2968.5/6

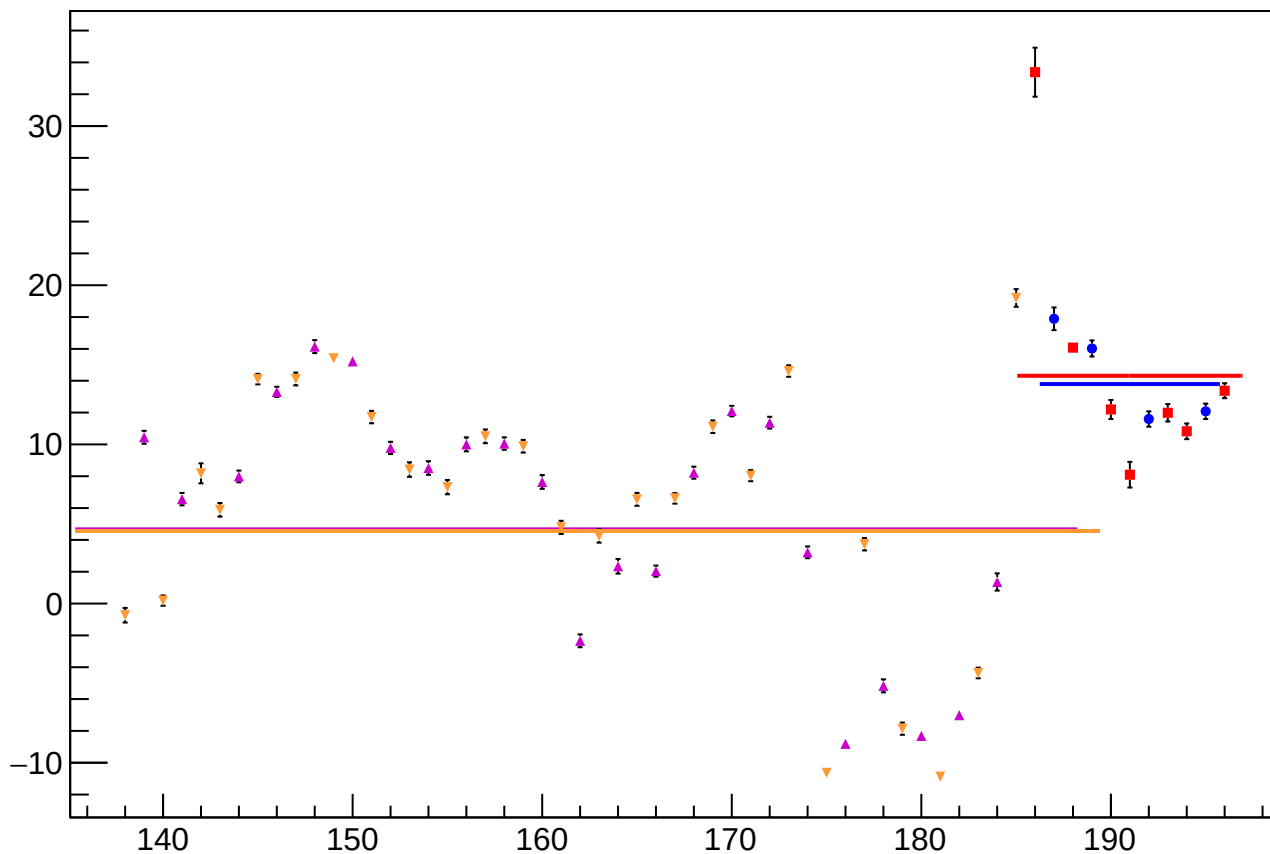
Left In: 3.092 ± 0.061 χ^2/NDF : 7104.4/22

+ sign 2.831 ± 0.058 χ^2/NDF : 12295.3/28

All: 2.450 ± 0.041 χ^2/NDF : 27264.3/58

- sign 2.053 ± 0.059 χ^2/NDF : 14879.4/29

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.791 ± 0.263 $\chi^2/\text{NDF}: 85.7/3$

Left Out: 4.561 ± 0.075 $\chi^2/\text{NDF}: 13592.1/24$

Right Out: 14.312 ± 0.167 $\chi^2/\text{NDF}: 357.3/6$

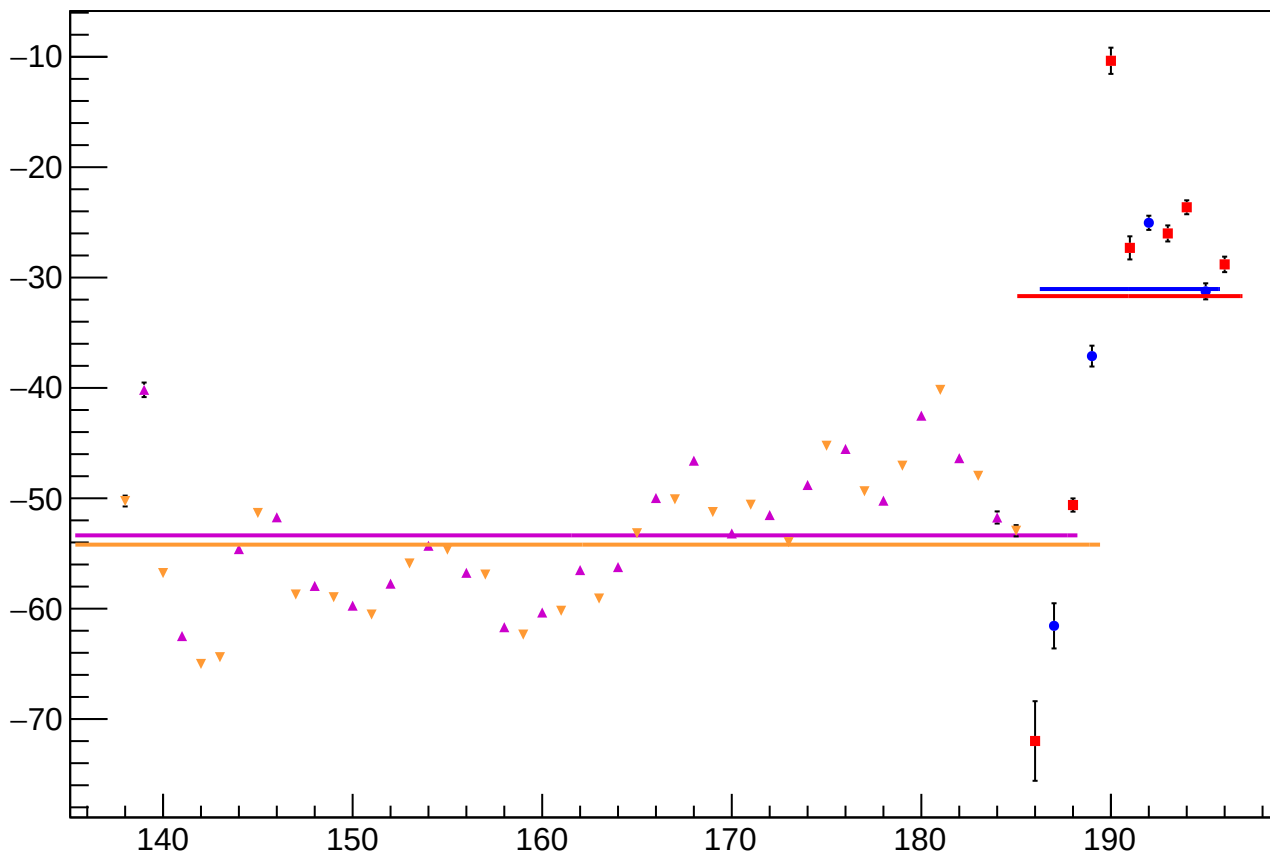
Left In: 4.662 ± 0.077 $\chi^2/\text{NDF}: 11281.5/22$

+ sign 5.259 ± 0.072 $\chi^2/\text{NDF}: 14812.4/28$

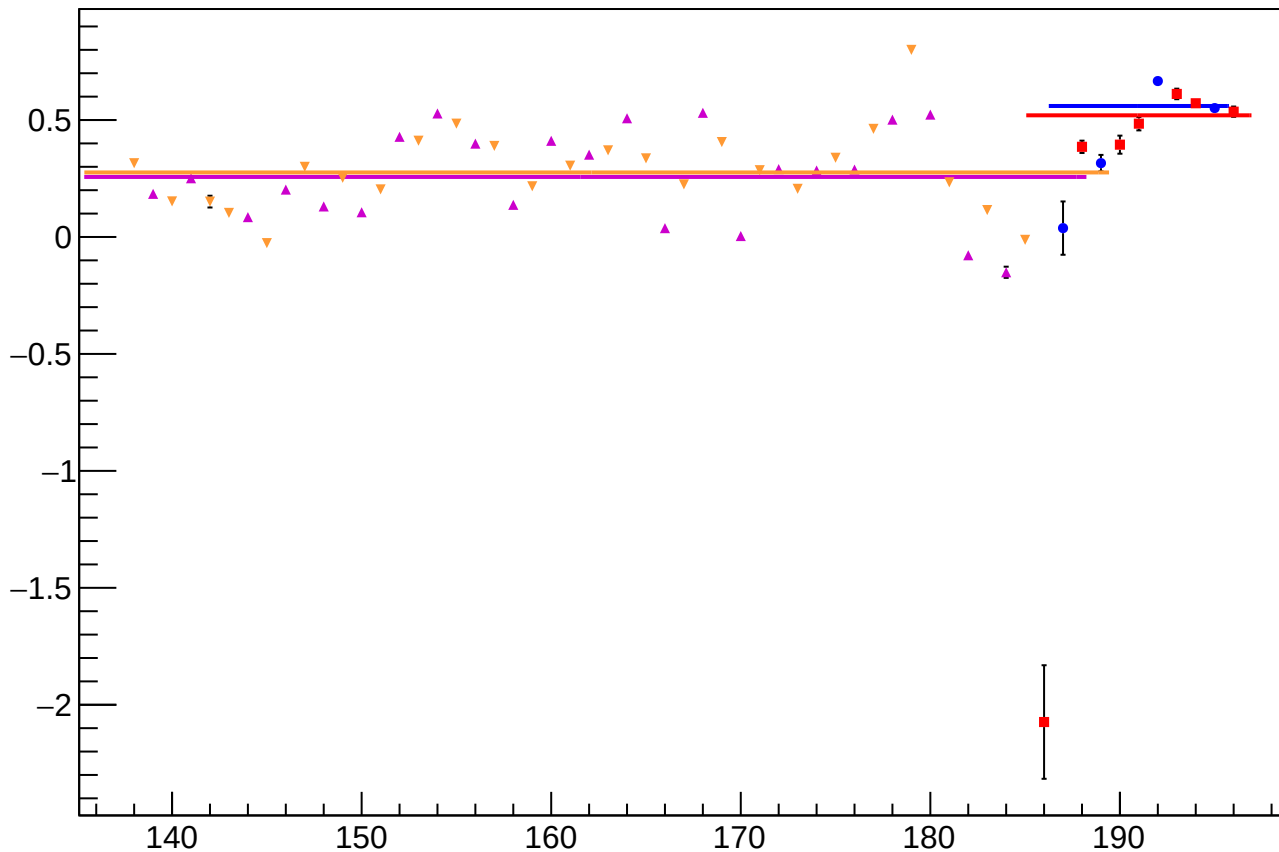
All: 5.824 ± 0.050 $\chi^2/\text{NDF}: 29324.4/58$

- sign 6.347 ± 0.070 $\chi^2/\text{NDF}: 14395.0/29$

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.560 ± 0.014 $\chi^2/\text{NDF}: 97.0/3$

Left Out: 0.276 ± 0.003 $\chi^2/\text{NDF}: 2623.6/24$

Right Out: 0.520 ± 0.010 $\chi^2/\text{NDF}: 177.2/6$

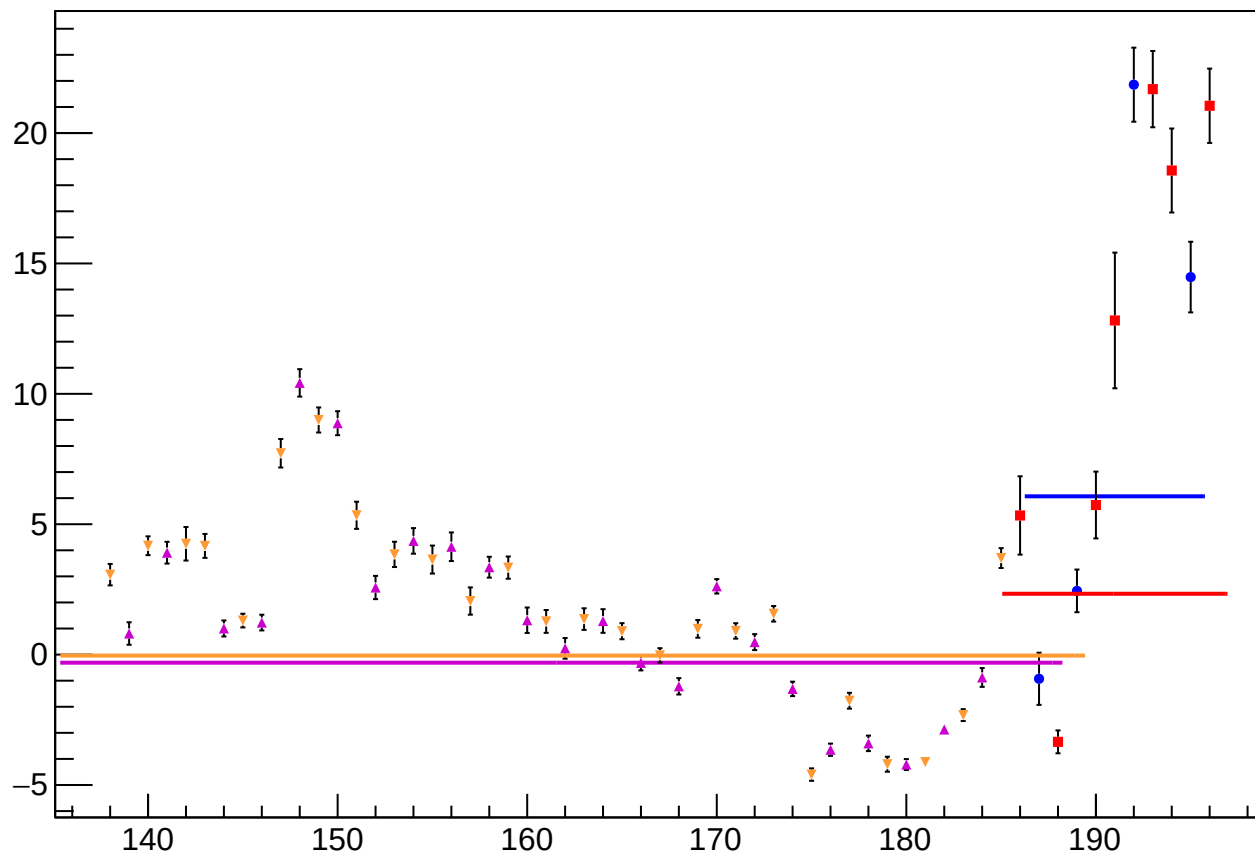
Left In: 0.257 ± 0.003 $\chi^2/\text{NDF}: 3623.9/22$

+ sign 0.290 ± 0.003 $\chi^2/\text{NDF}: 3139.8/28$

All: 0.285 ± 0.002 $\chi^2/\text{NDF}: 7599.2/58$

- sign 0.281 ± 0.003 $\chi^2/\text{NDF}: 4454.8/29$

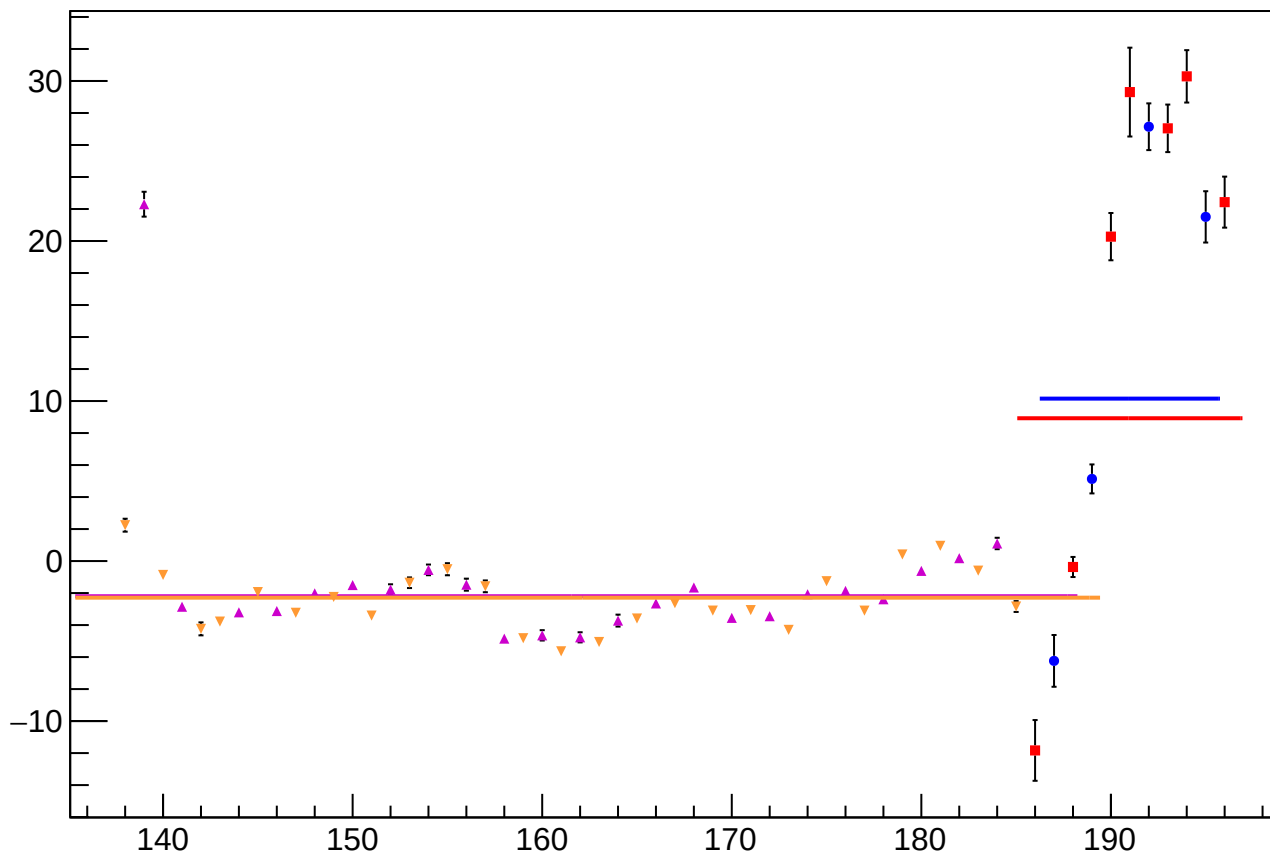
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 6.070 ± 0.532 $\chi^2/\text{NDF}: 230.7/3$
 Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$
 Right Out: 2.334 ± 0.360 $\chi^2/\text{NDF}: 643.8/6$
 Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

+ sign 0.055 ± 0.066 $\chi^2/\text{NDF}: 2998.1/28$
 All: -0.081 ± 0.047 $\chi^2/\text{NDF}: 5953.4/58$
 - sign -0.221 ± 0.066 $\chi^2/\text{NDF}: 2946.5/29$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 10.151 $\pm$ 0.638 χ^2 /NDF: 318.9/3

Left Out: -2.288 $\pm$ 0.054 χ^2 /NDF: 1137.7/24

Right Out: 8.924 $\pm$ 0.465 χ^2 /NDF: 842.6/6

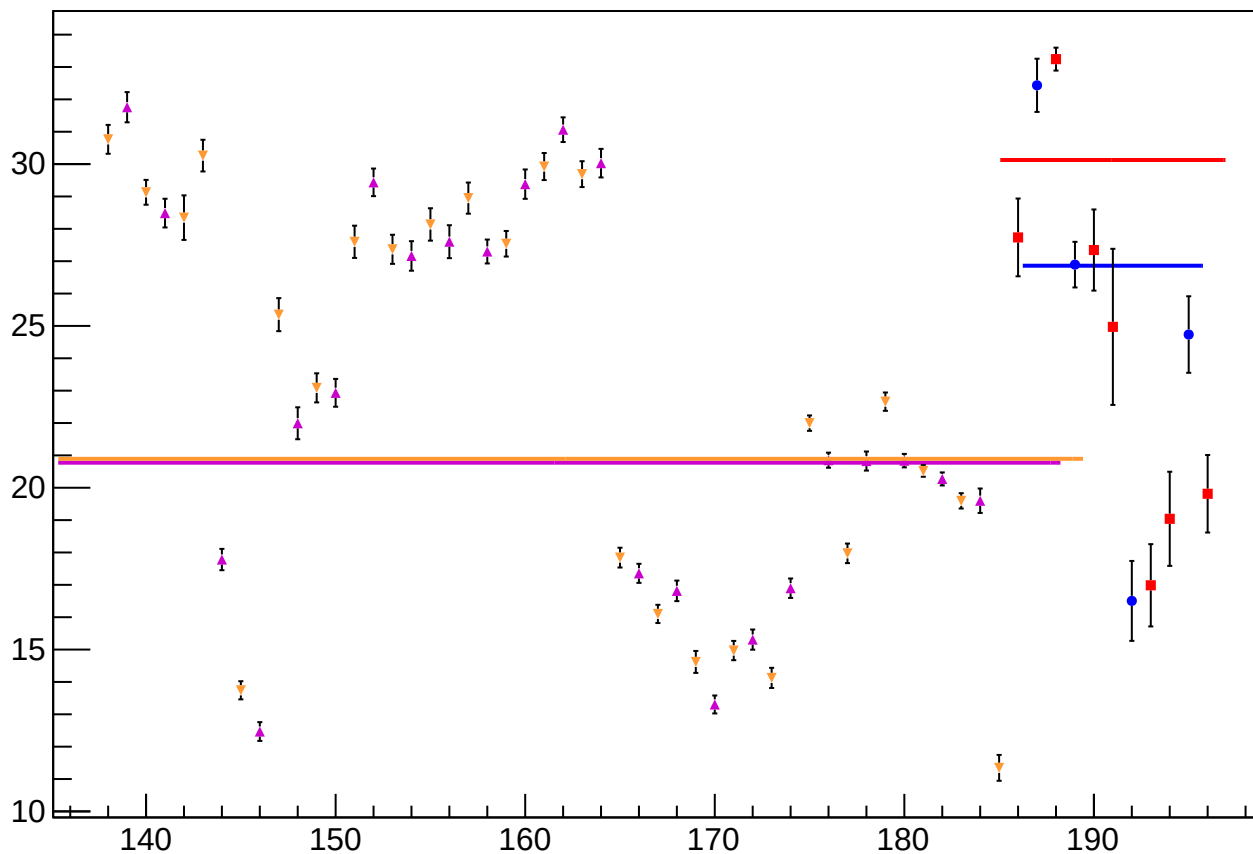
Left In: -2.198 $\pm$ 0.055 χ^2 /NDF: 1673.9/22

+ sign -2.199 $\pm$ 0.054 χ^2 /NDF: 1834.6/28

All: -2.123 $\pm$ 0.038 χ^2 /NDF: 4919.1/58

- sign -2.044 $\pm$ 0.055 χ^2 /NDF: 3080.4/29

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 26.860 ± 0.453 χ^2/NDF : 119.6/3

Left Out: 20.894 ± 0.067 χ^2/NDF : 6655.4/24

Right Out: 30.127 ± 0.298 χ^2/NDF : 330.1/6

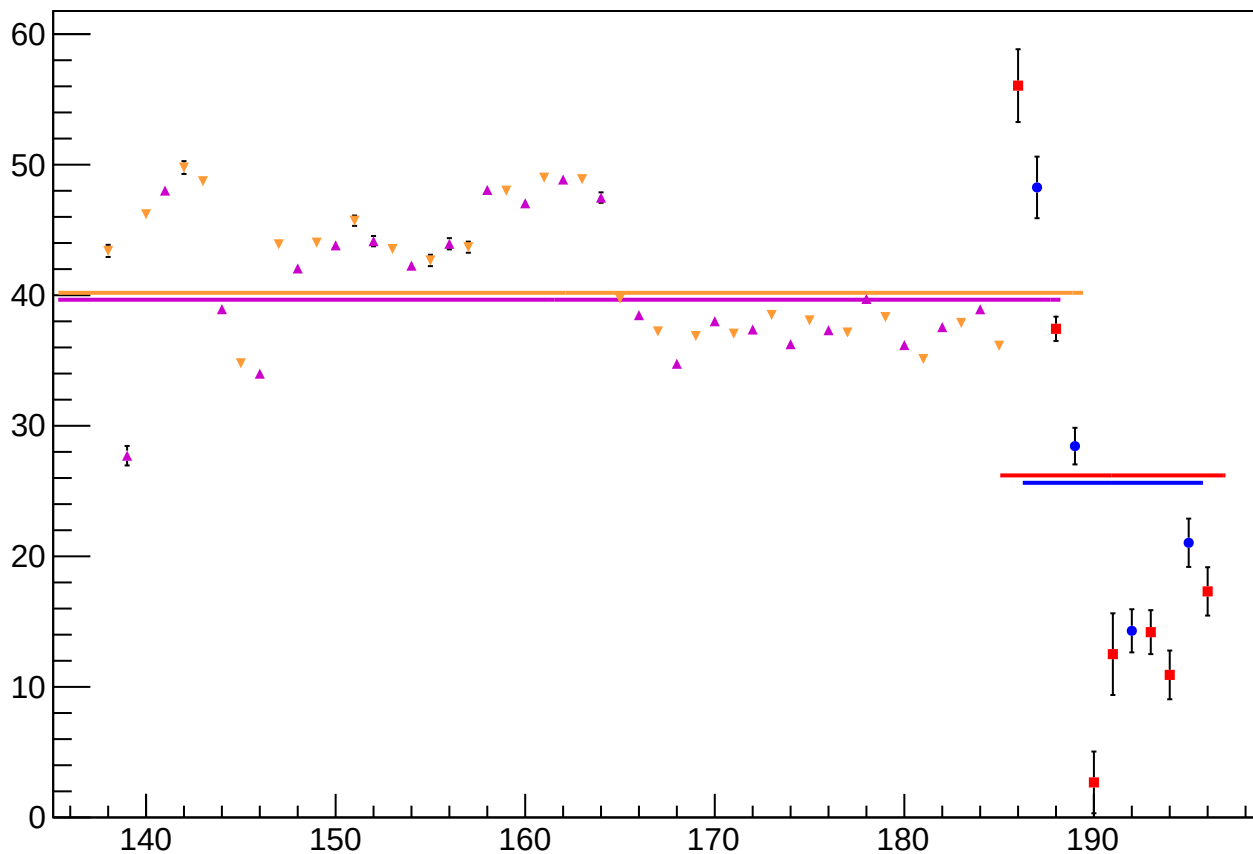
Left In: 20.774 ± 0.068 χ^2/NDF : 5927.9/22

+ sign 21.020 ± 0.066 χ^2/NDF : 6944.4/28

All: 21.126 ± 0.047 χ^2/NDF : 14145.2/58

- sign 21.232 ± 0.066 χ^2/NDF : 7195.7/29

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 25.632+/-0.862 χ^2/NDF : 149.4/3

Left Out: 40.186+/-0.060 χ^2/NDF : 5932.7/24

Right Out: 26.198+/-0.633 χ^2/NDF : 519.4/6

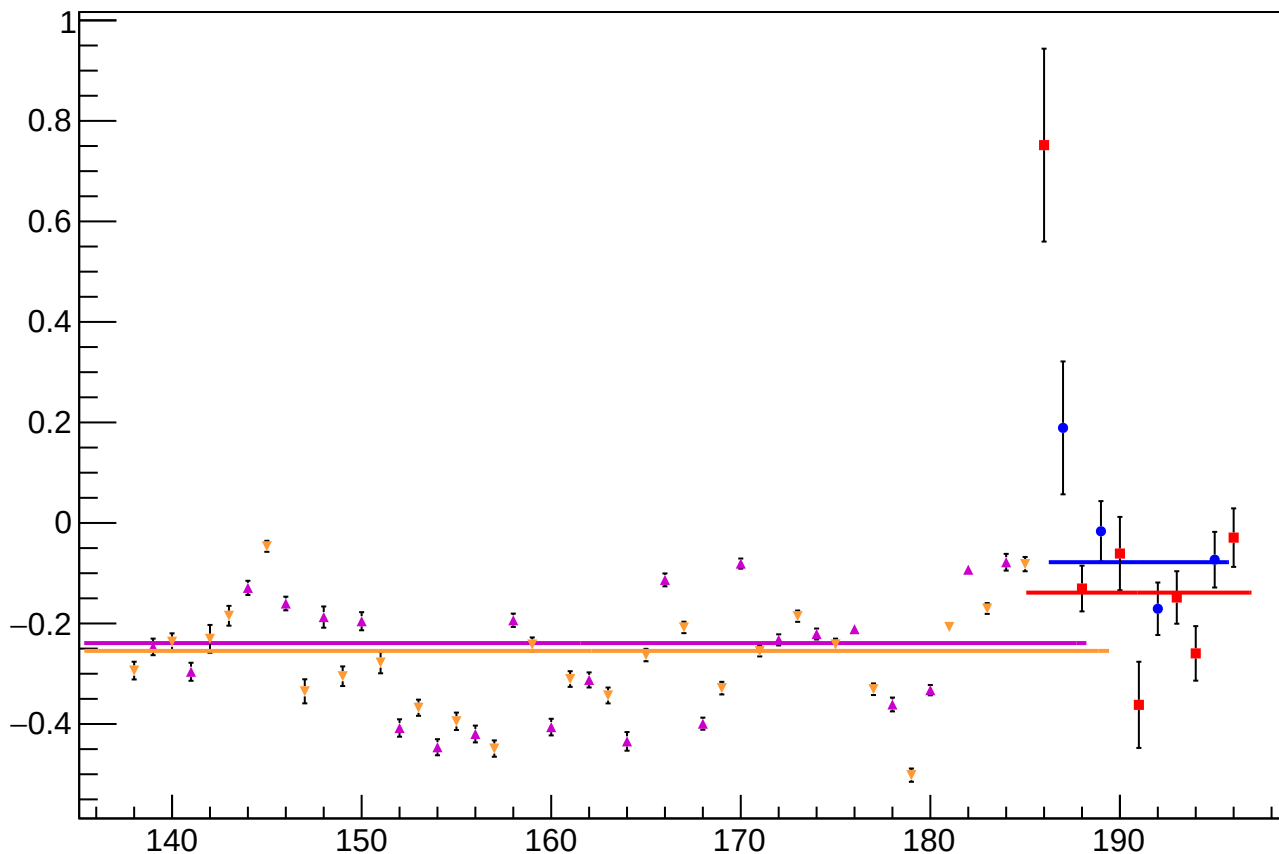
Left In: 39.655+/-0.061 χ^2/NDF : 5298.6/22

+ sign 40.115+/-0.060 χ^2/NDF : 6366.0/28

All: 39.827+/-0.043 χ^2/NDF : 12678.6/58

- sign 39.529+/-0.061 χ^2/NDF : 6266.0/29

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.078 ± 0.031 χ^2/NDF : 8.3/3

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.139 ± 0.023 χ^2/NDF : 38.0/6

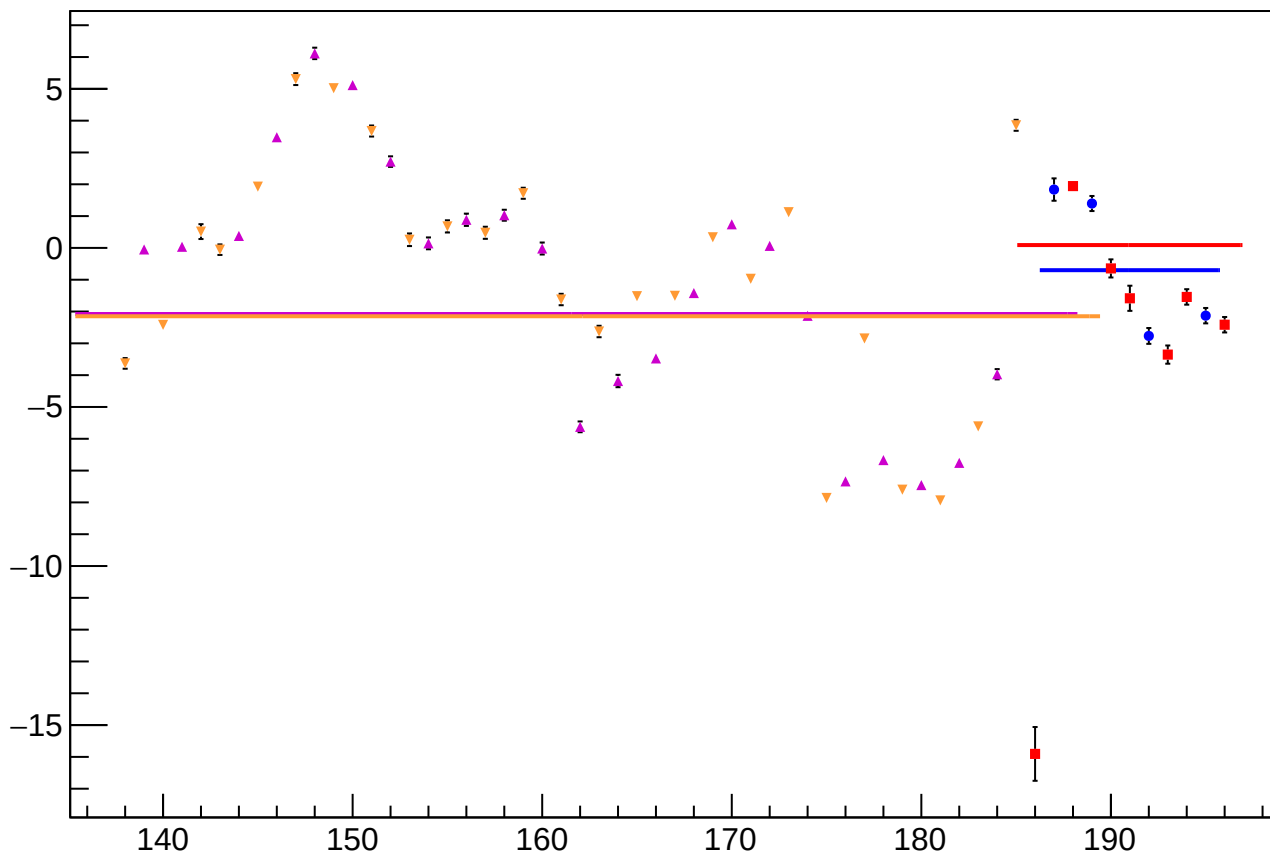
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.253 ± 0.003 χ^2/NDF : 1460.5/28

All: -0.245 ± 0.002 χ^2/NDF : 3283.3/58

- sign -0.238 ± 0.003 χ^2/NDF : 1806.7/29

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.700 ± 0.130 χ^2/NDF : 234.0/3

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: 0.089 ± 0.082 χ^2/NDF : 964.1/6

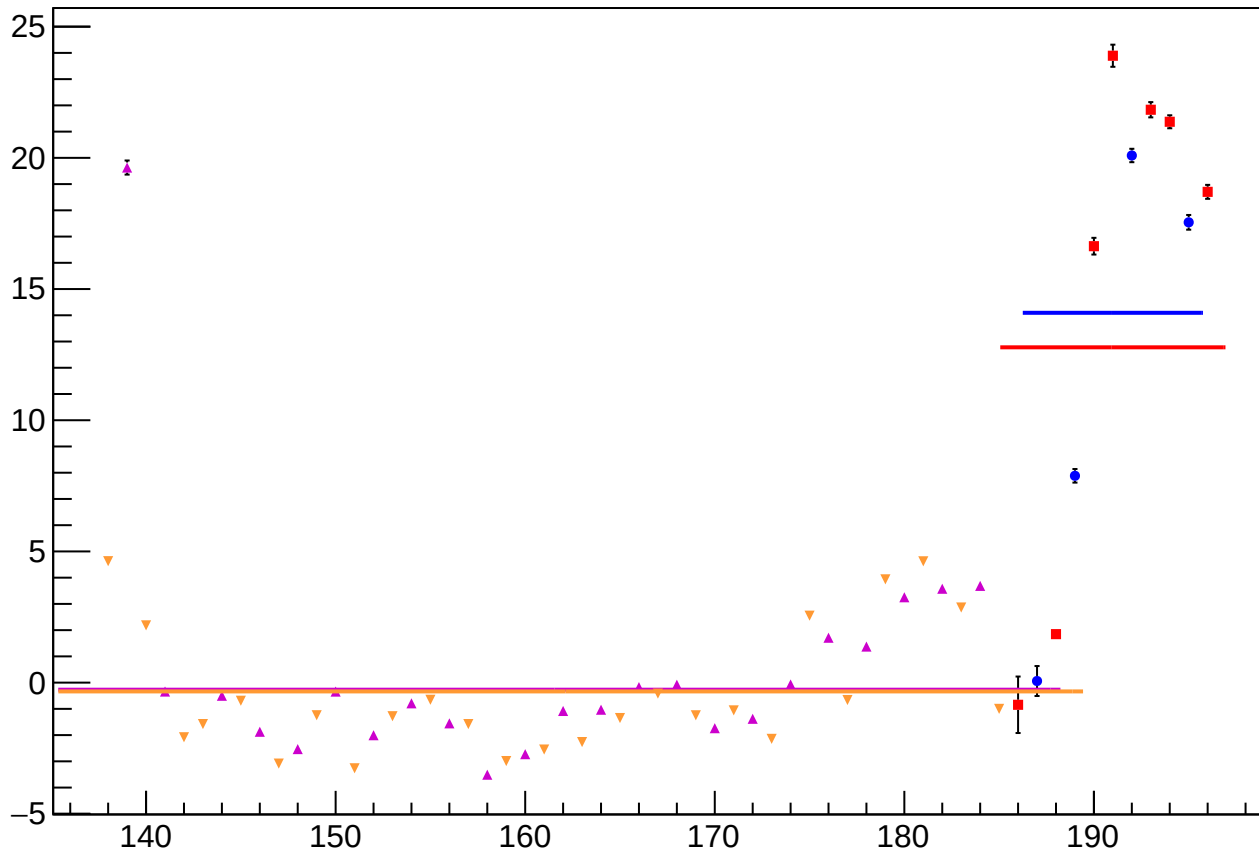
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.094 ± 0.025 χ^2/NDF : 24889.6/28

All: -1.985 ± 0.018 χ^2/NDF : 49773.8/58

- sign -1.878 ± 0.025 χ^2/NDF : 24846.8/29

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 14.095 ± 0.147 $\chi^2/\text{NDF}: 1880.8/3$

Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$

Right Out: 12.779 ± 0.102 $\chi^2/\text{NDF}: 8258.3/6$

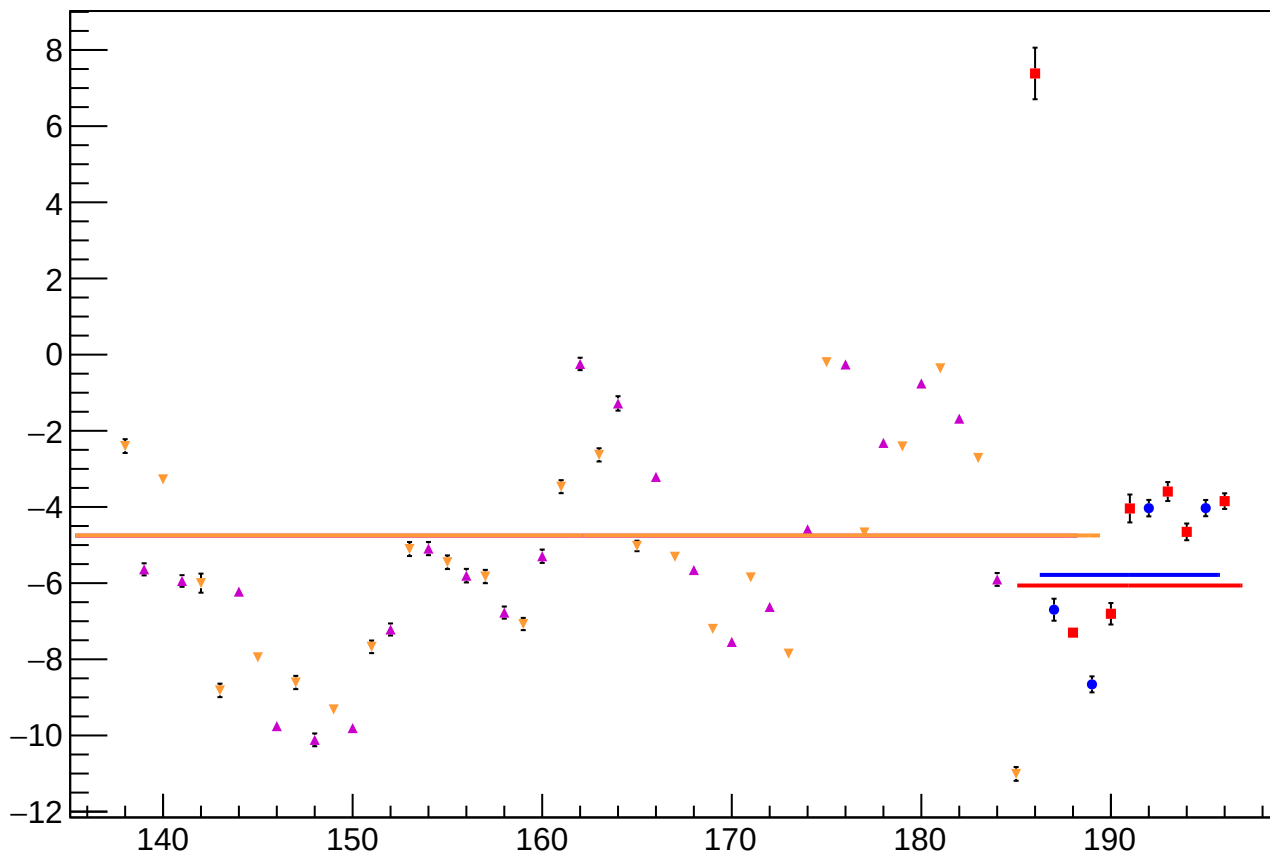
Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign -0.059 ± 0.020 $\chi^2/\text{NDF}: 23868.0/28$

All: 0.101 ± 0.014 $\chi^2/\text{NDF}: 61412.0/58$

- sign 0.263 ± 0.021 $\chi^2/\text{NDF}: 37419.7/29$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.784+/-0.113 χ^2/NDF : 330.0/3

Left Out: -4.748+/-0.026 χ^2/NDF : 13289.8/24

Right Out: -6.062+/-0.069 χ^2/NDF : 881.0/6

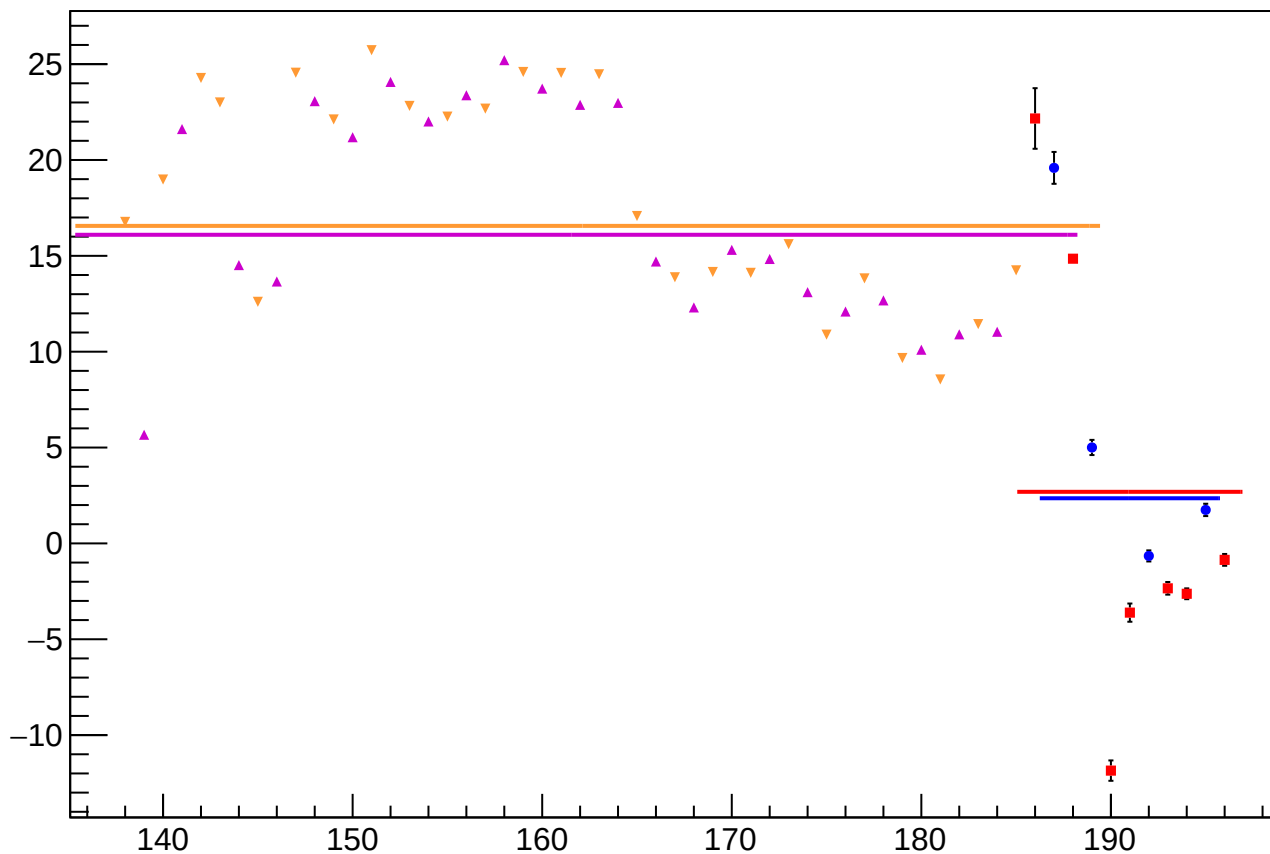
Left In: -4.753+/-0.026 χ^2/NDF : 14119.2/22

+ sign -4.799+/-0.025 χ^2/NDF : 13699.1/28

All: -4.860+/-0.018 χ^2/NDF : 29024.4/58

- sign -4.917+/-0.024 χ^2/NDF : 15314.0/29

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 2.354 ± 0.184 $\chi^2/\text{NDF}: 586.7/3$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 2.691 ± 0.130 $\chi^2/\text{NDF}: 4500.3/6$

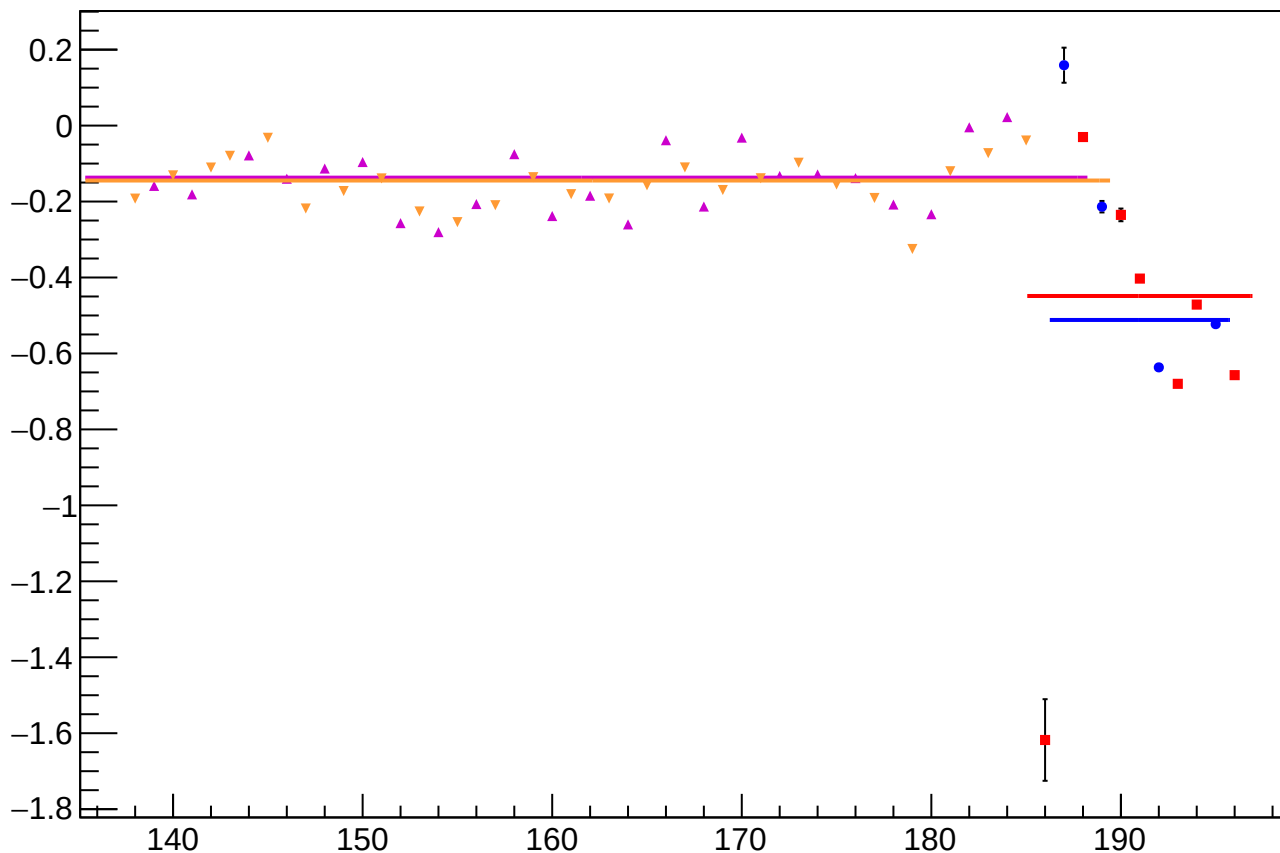
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 16.342 ± 0.023 $\chi^2/\text{NDF}: 60303.7/28$

All: 16.011 ± 0.016 $\chi^2/\text{NDF}: 117829.7/58$

- sign 15.673 ± 0.023 $\chi^2/\text{NDF}: 57106.6/29$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.512 ± 0.006 χ^2/NDF : 788.0/3

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.449 ± 0.004 χ^2/NDF : 2894.8/6

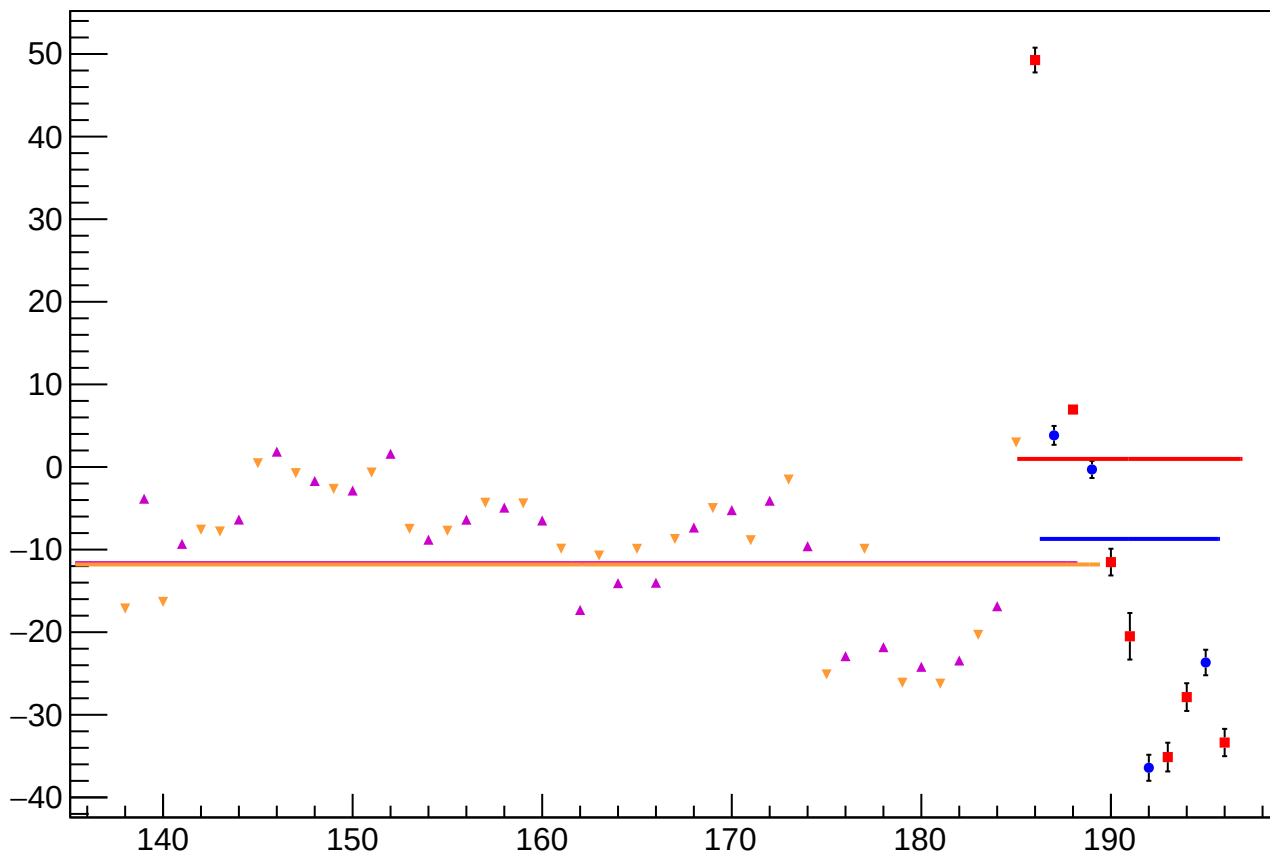
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.156 ± 0.001 χ^2/NDF : 8198.7/28

All: -0.155 ± 0.001 χ^2/NDF : 21420.4/58

- sign -0.155 ± 0.001 χ^2/NDF : 13221.7/29

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -8.706 ± 0.630 χ^2/NDF : 589.0/3

Left Out: -11.801 ± 0.070 χ^2/NDF : 17308.2/24

Right Out: 0.979 ± 0.427 χ^2/NDF : 2435.3/6

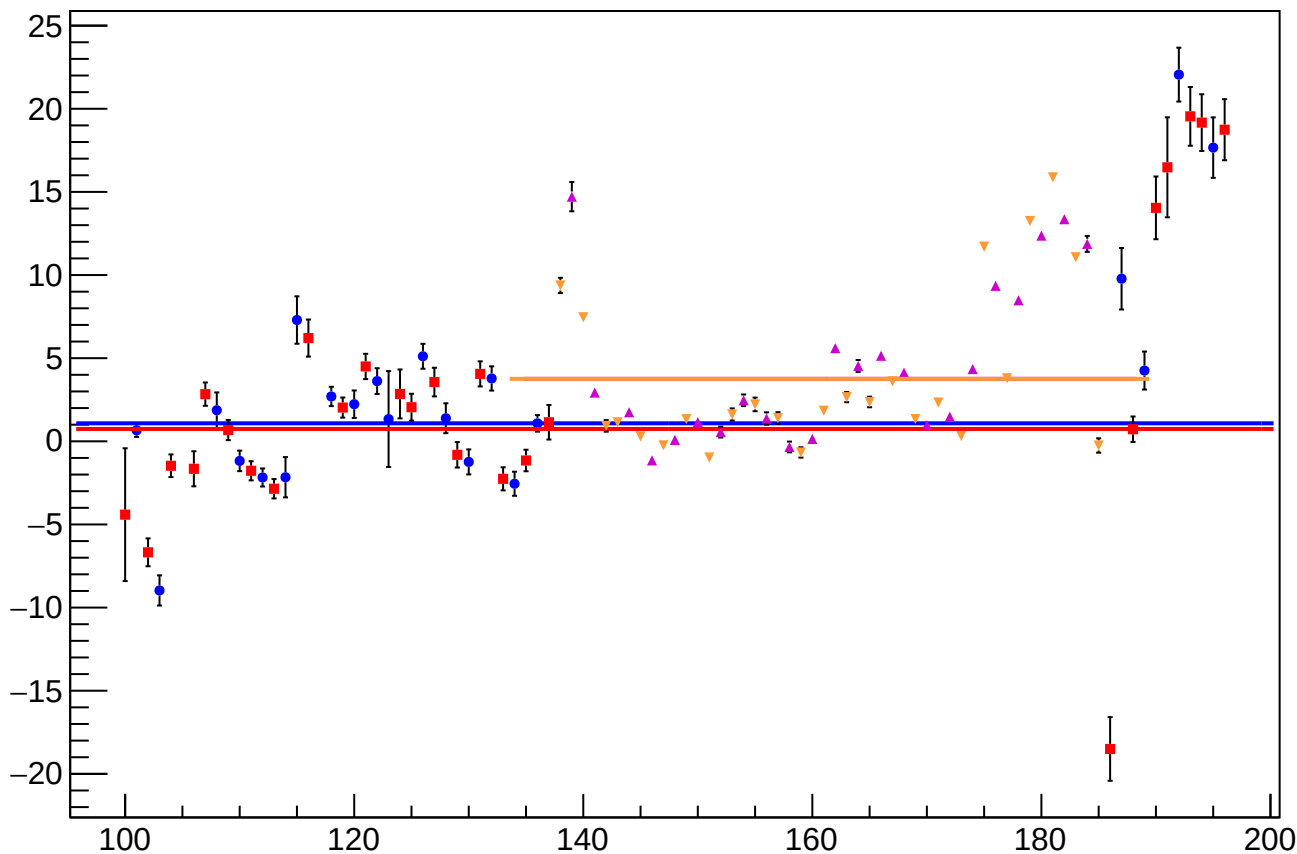
Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.763 ± 0.070 χ^2/NDF : 17921.0/28

All: -11.533 ± 0.050 χ^2/NDF : 35347.7/58

- sign -11.298 ± 0.071 χ^2/NDF : 17404.6/29

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.083 ± 0.166 χ^2/NDF : 578.5/20

Left Out: 3.757 ± 0.056 χ^2/NDF : 7450.7/24

Right Out: 0.743 ± 0.167 χ^2/NDF : 785.2/25

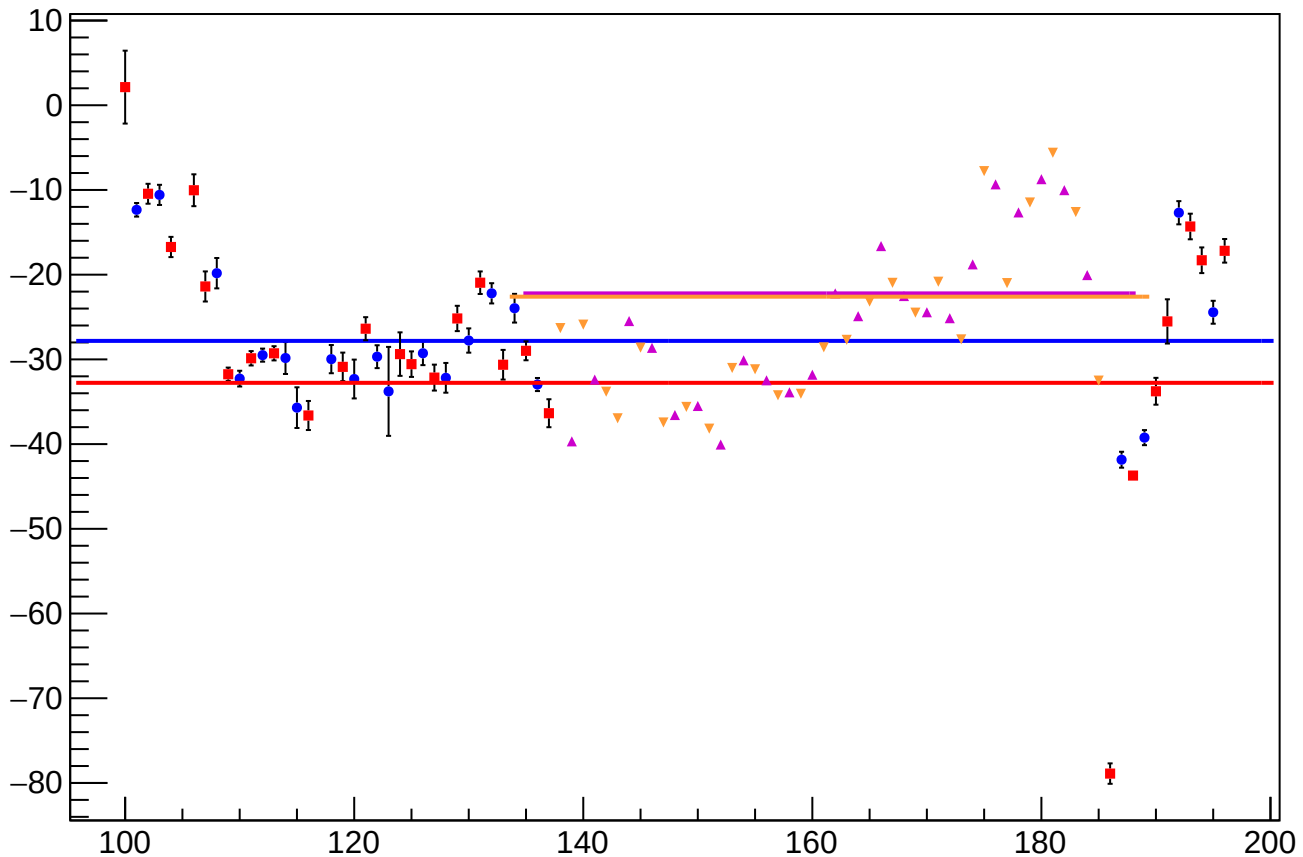
Left In: 3.757 ± 0.057 χ^2/NDF : 5629.4/22

+ sign 3.488 ± 0.053 χ^2/NDF : 8261.8/45

All: 3.467 ± 0.038 χ^2/NDF : 14970.1/94

- sign 3.445 ± 0.054 χ^2/NDF : 6708.0/48

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -27.817±/0.262 χ^2/NDF : 1244.7/20

Left Out: -22.598±/0.071 χ^2/NDF : 19933.4/24

Right Out: -32.767±/0.228 χ^2/NDF : 3455.2/25

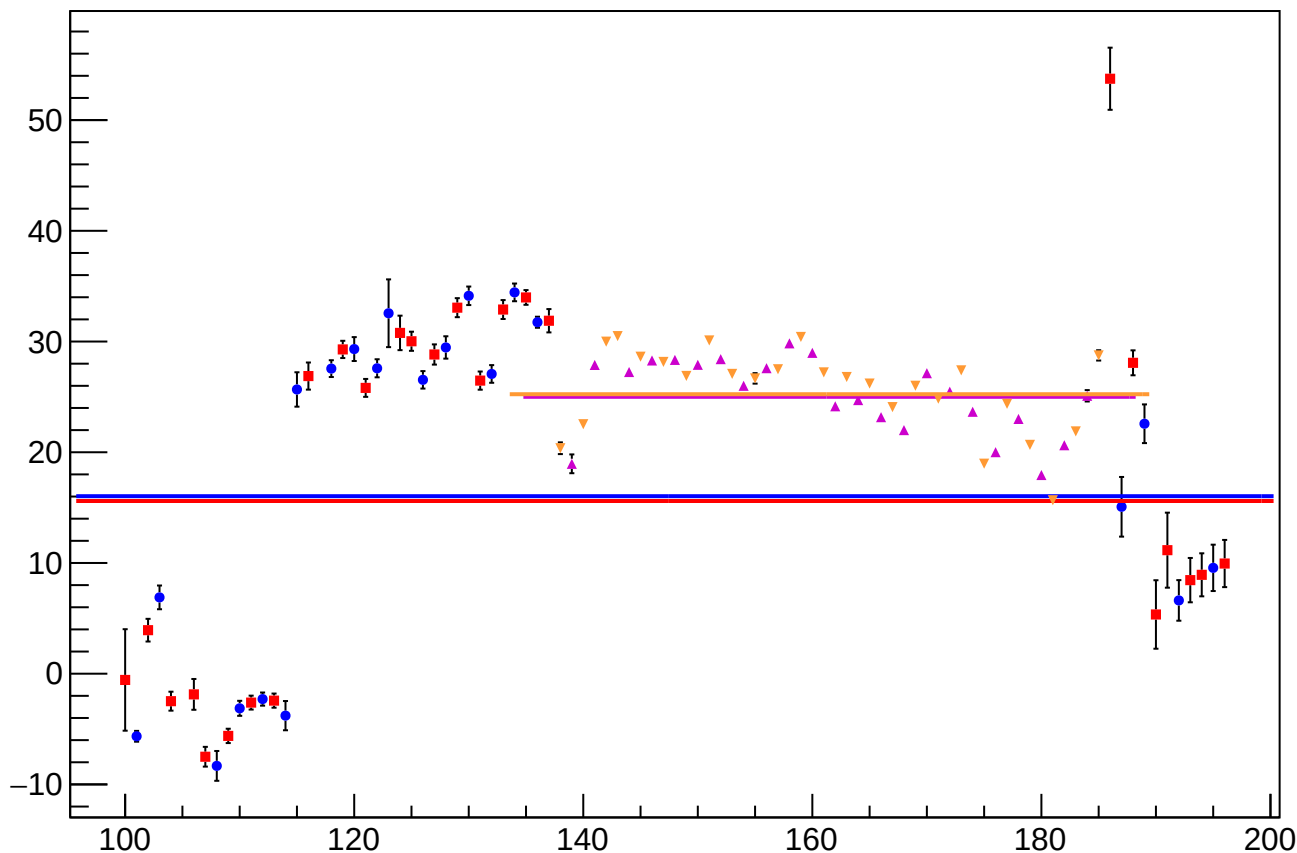
Left In: -22.209±/0.072 χ^2/NDF : 17627.4/22

+ sign -22.951±/0.068 χ^2/NDF : 21546.7/45

All: -23.053±/0.048 χ^2/NDF : 44582.3/94

- sign -23.155±/0.068 χ^2/NDF : 23031.1/48

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.031 $\pm$ 0.189 χ^2 /NDF: 7592.3/20

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.597 $\pm$ 0.191 χ^2 /NDF: 7616.2/25

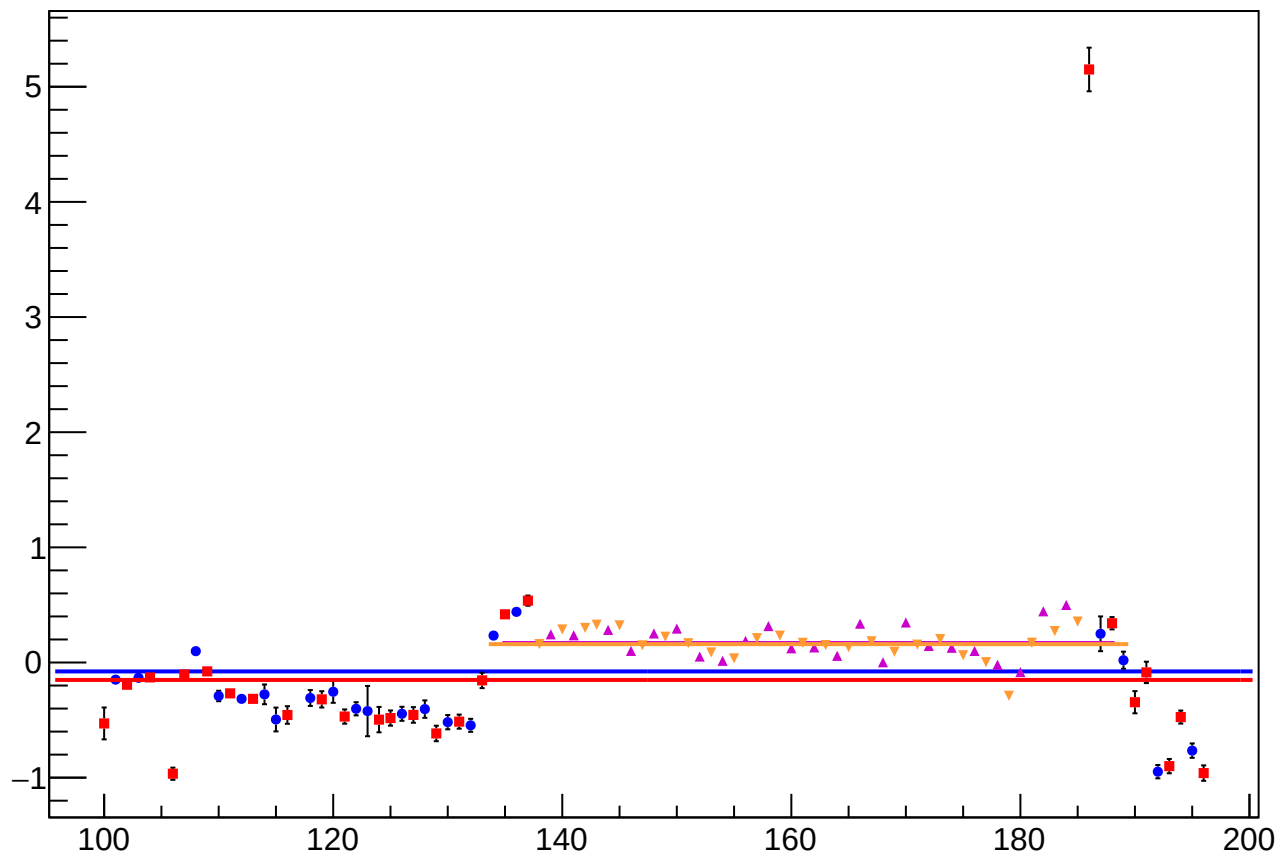
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.330 $\pm$ 0.059 χ^2 /NDF: 13519.5/45

All: 24.198 $\pm$ 0.042 χ^2 /NDF: 26059.5/94

- sign 24.060 $\pm$ 0.061 χ^2 /NDF: 12529.7/48

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.077±/0.010 χ^2/NDF : 1381.8/20

Left Out: 0.159±/0.003 χ^2/NDF :1864.2/24

Right Out: -0.151±/0.010 χ^2/NDF : 2359.4/25

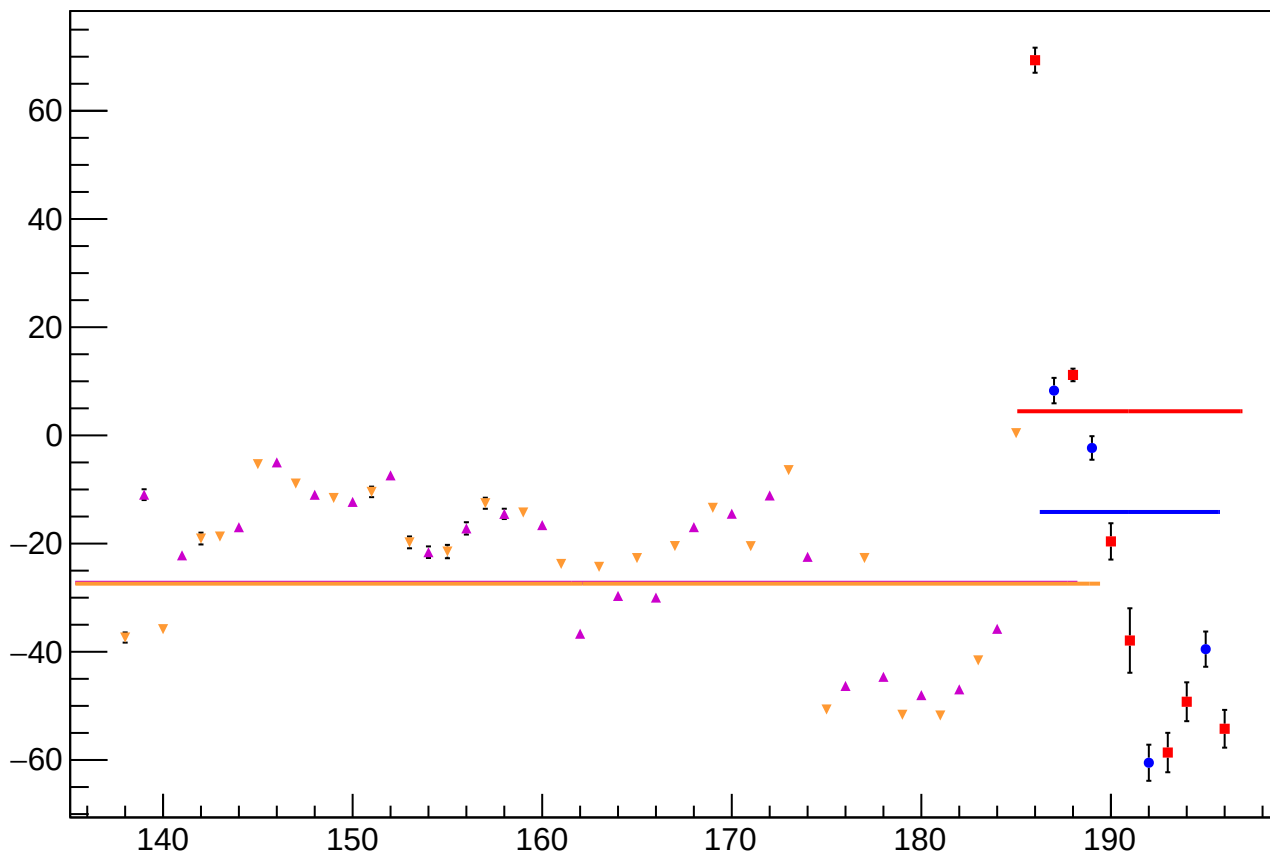
Left In: 0.169±/0.003 χ^2/NDF :2418.8/22

+ sign 0.141±/0.003 χ^2/NDF : 3770.1/45

All: 0.142±/0.002 χ^2/NDF : 9551.9/94

- sign 0.142±/0.003 χ^2/NDF : 5781.7/48

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -14.156 ± 1.318 $\chi^2/\text{NDF}: 374.3/3$

Left Out: -27.408 ± 0.137 $\chi^2/\text{NDF}: 14850.5/24$

Right Out: 4.461 ± 0.884 $\chi^2/\text{NDF}: 1725.8/6$

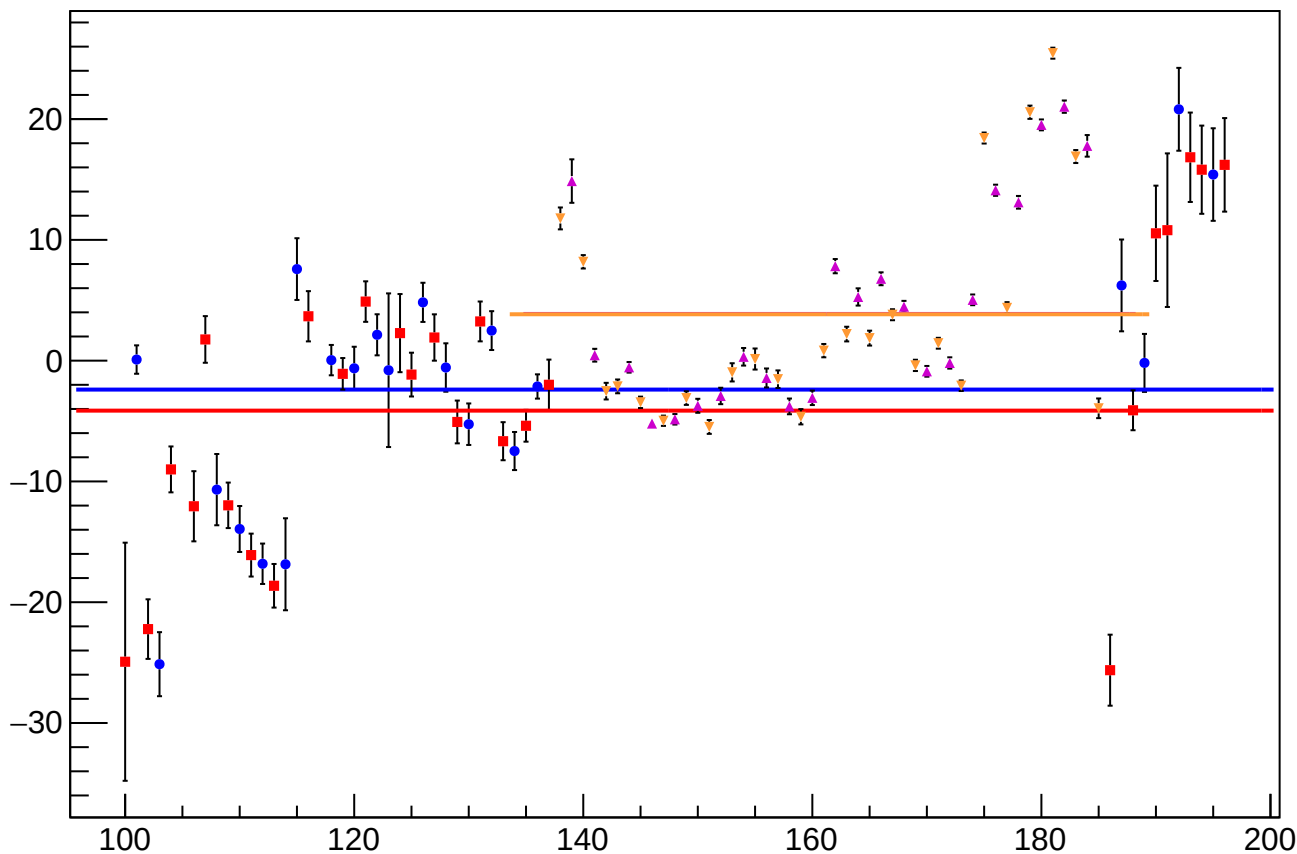
Left In: -27.243 ± 0.139 $\chi^2/\text{NDF}: 11305.2/22$

+ sign -27.266 ± 0.136 $\chi^2/\text{NDF}: 15324.8/28$

All: -26.875 ± 0.097 $\chi^2/\text{NDF}: 29627.8/58$

- sign -26.474 ± 0.138 $\chi^2/\text{NDF}: 14286.2/29$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.395 ± 0.398 $\chi^2/\text{NDF}: 355.1/20$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -4.138 ± 0.399 $\chi^2/\text{NDF}: 461.0/25$

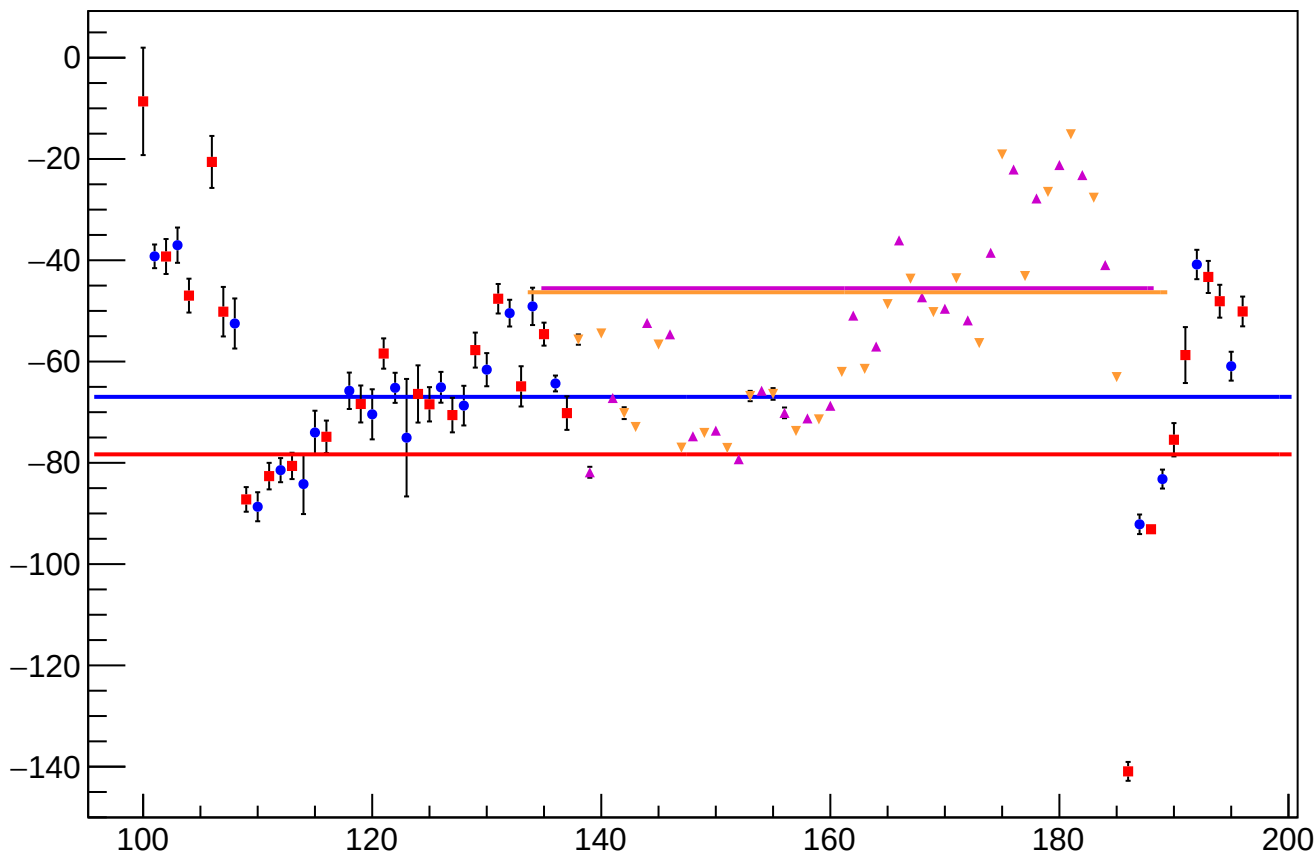
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.405 ± 0.105 $\chi^2/\text{NDF}: 7522.2/45$

All: 3.349 ± 0.075 $\chi^2/\text{NDF}: 13780.4/94$

- sign 3.290 ± 0.107 $\chi^2/\text{NDF}: 6257.6/48$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -66.973 ± 0.619 χ^2/NDF : 729.6/20

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -78.325 ± 0.525 χ^2/NDF : 2473.7/25

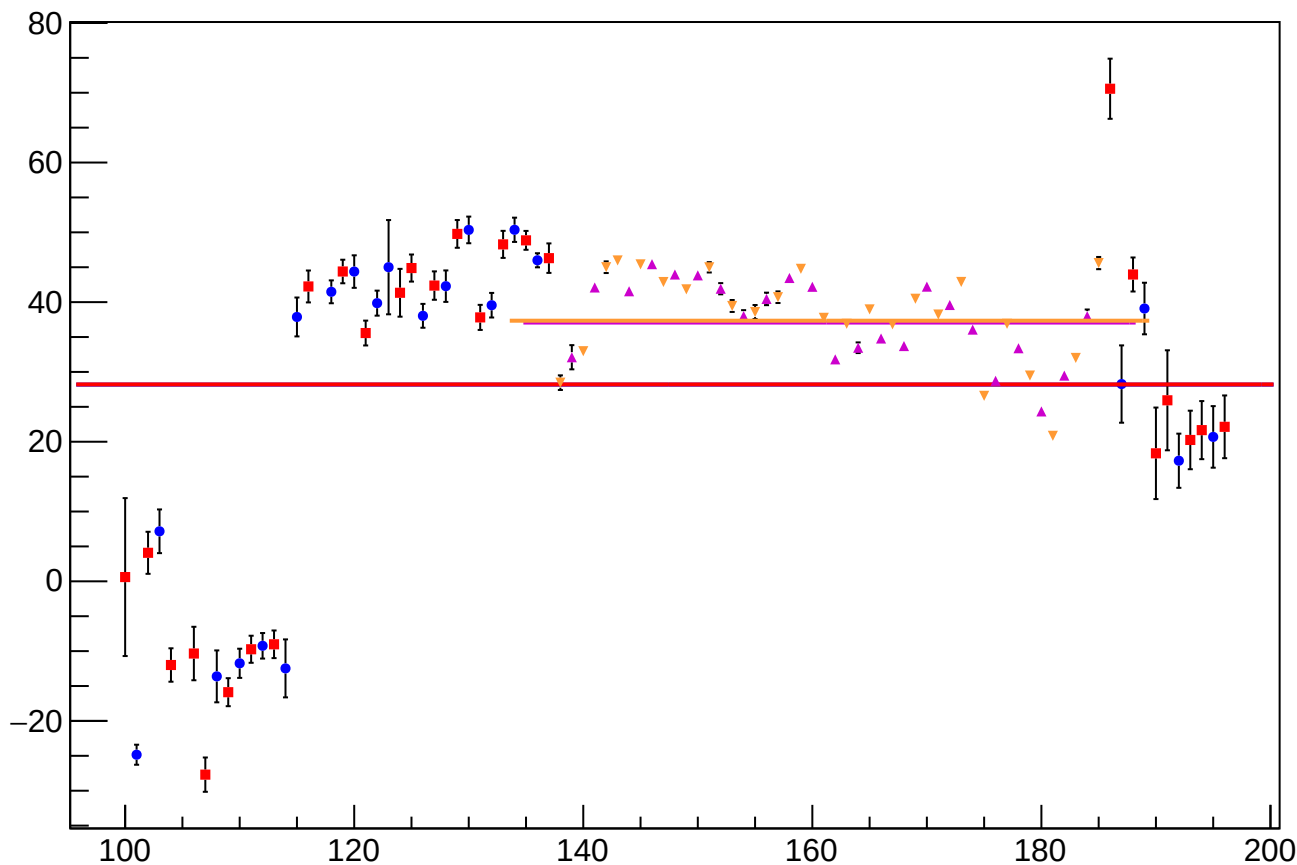
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -47.296 ± 0.135 χ^2/NDF : 21926.2/45

All: -47.493 ± 0.095 χ^2/NDF : 45574.1/94

- sign -47.691 ± 0.135 χ^2/NDF : 23643.6/48

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.182 $\pm$ 0.450 χ^2 /NDF: 3330.4/20

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.211 $\pm$ 0.458 χ^2 /NDF: 3183.1/25

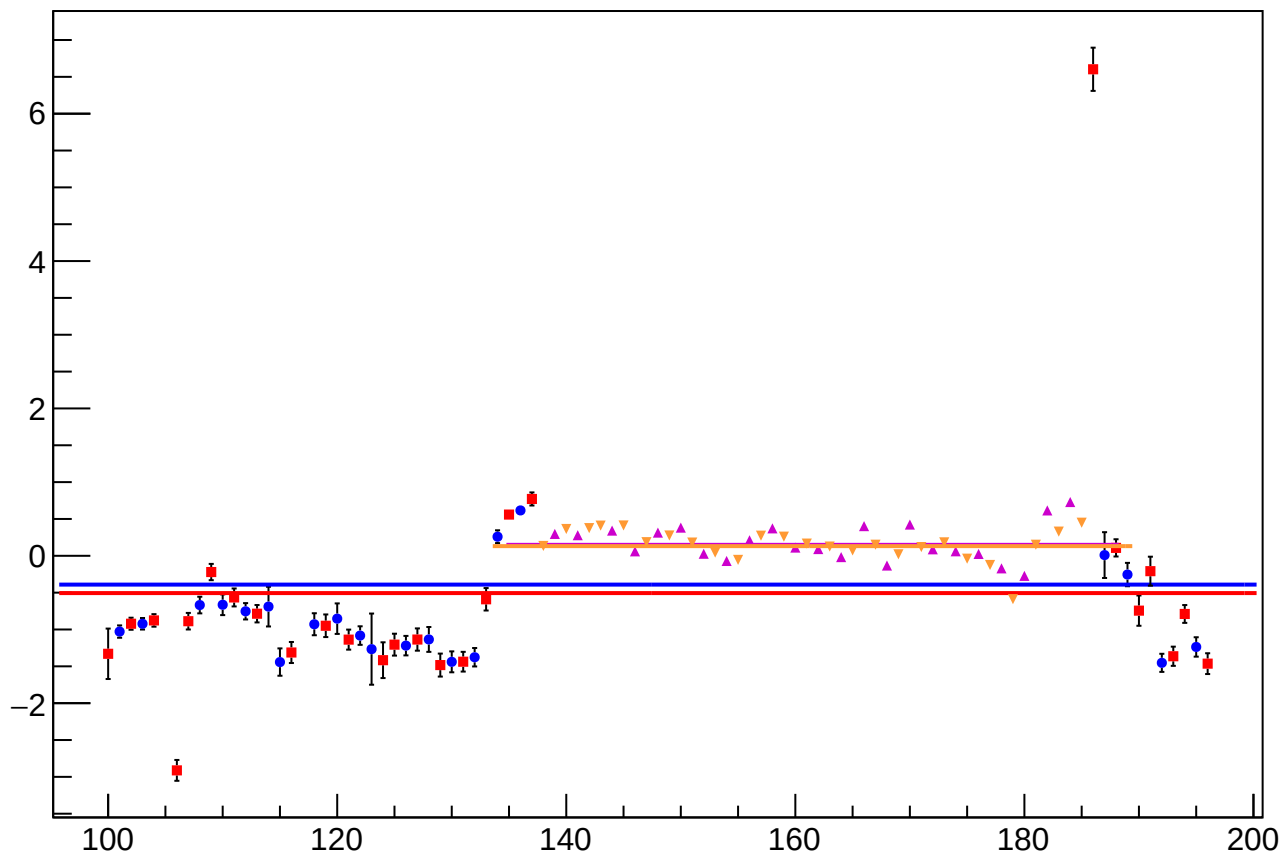
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.705 $\pm$ 0.119 χ^2 /NDF: 6864.5/45

All: 36.583 $\pm$ 0.085 χ^2 /NDF: 12796.1/94

- sign 36.457 $\pm$ 0.121 χ^2 /NDF: 5929.4/48

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.391 ± 0.024 χ^2/NDF : 1136.1/20

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.506 ± 0.023 χ^2/NDF : 1873.1/25

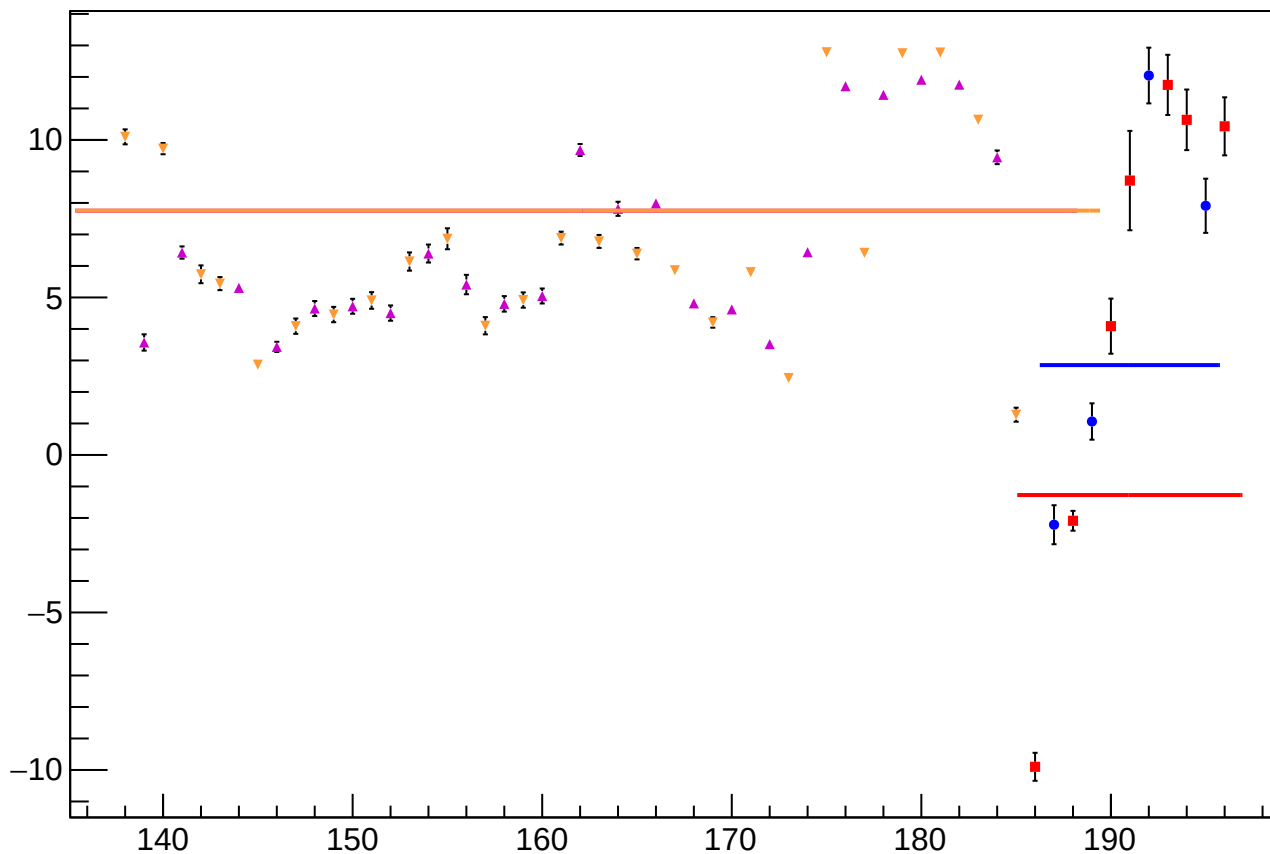
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.103 ± 0.005 χ^2/NDF : 3021.1/45

All: 0.108 ± 0.004 χ^2/NDF : 7433.3/94

- sign 0.112 ± 0.006 χ^2/NDF : 4411.1/48

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.852 ± 0.348 χ^2/NDF : 219.4/3

Left Out: 7.757 ± 0.034 χ^2/NDF : 11728.6/24

Right Out: -1.272 ± 0.222 χ^2/NDF : 962.1/6

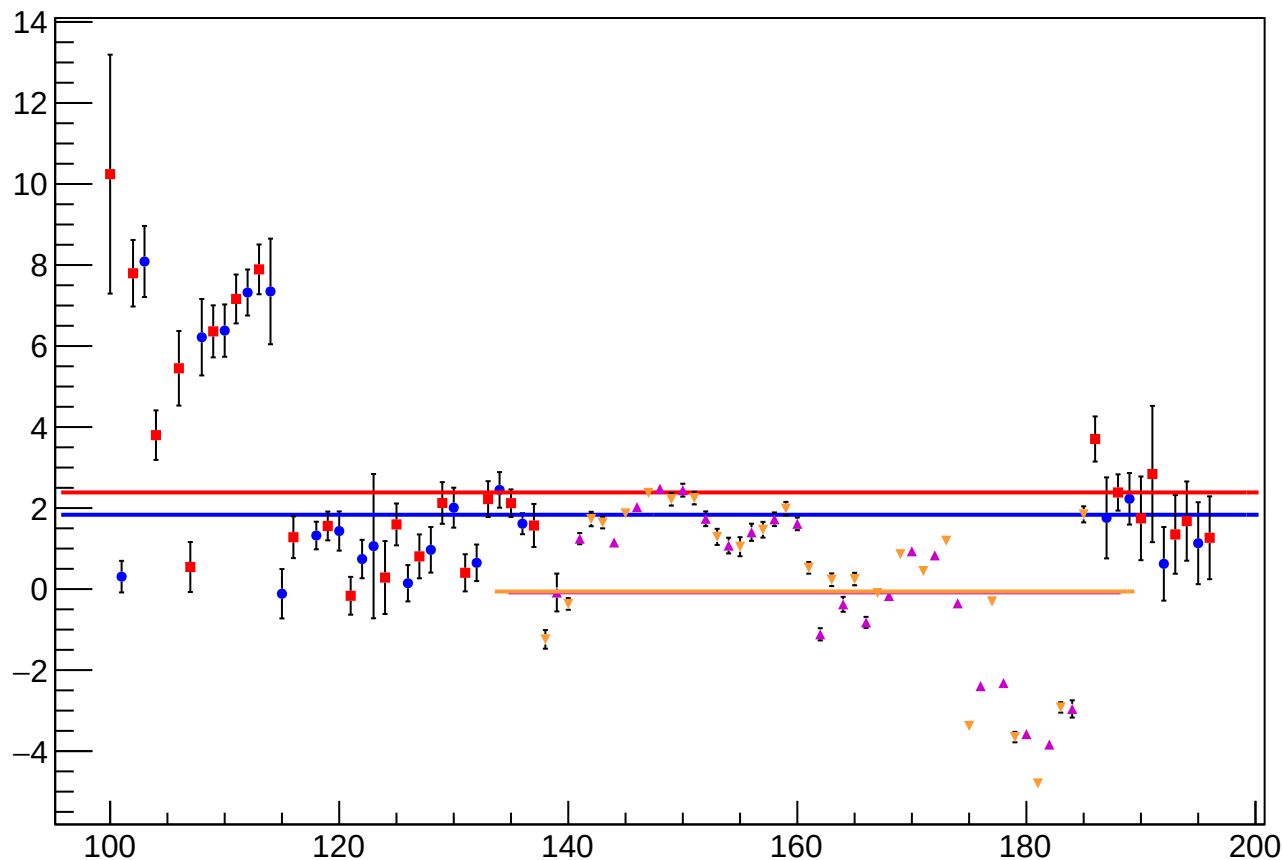
Left In: 7.753 ± 0.035 χ^2/NDF : 8345.2/22

+ sign 7.710 ± 0.034 χ^2/NDF : 12144.5/28

All: 7.623 ± 0.024 χ^2/NDF : 23073.2/58

- sign 7.534 ± 0.035 χ^2/NDF : 10915.5/29

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.835 ± 0.113 χ^2/NDF : 295.9/20

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.386 ± 0.113 χ^2/NDF : 344.5/25

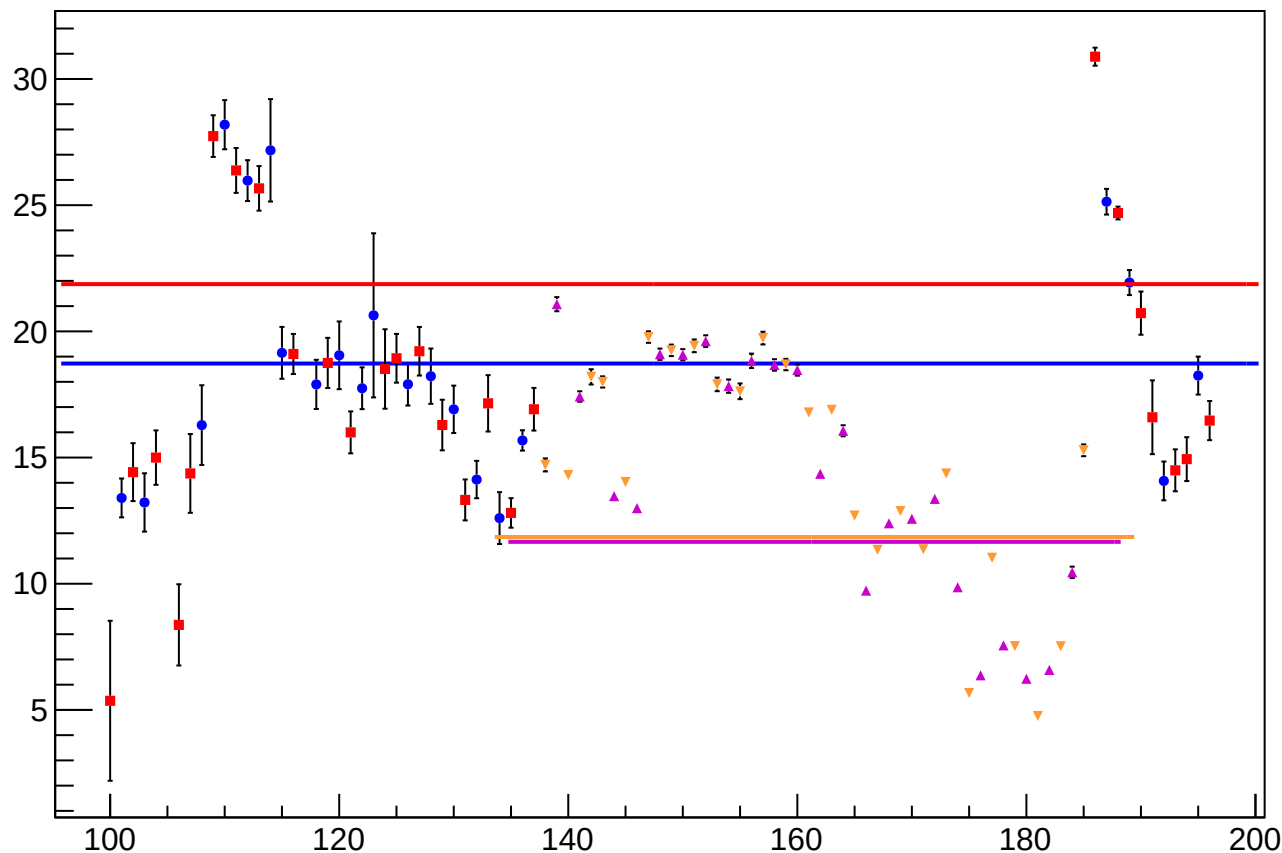
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.048 ± 0.027 χ^2/NDF : 6629.8/45

All: 0.057 ± 0.019 χ^2/NDF : 12405.6/94

- sign 0.066 ± 0.027 χ^2/NDF : 5775.6/48

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.725 $\pm$ 0.173 χ^2 /NDF: 641.3/20

Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24

Right Out: 21.871 $\pm$ 0.141 χ^2 /NDF: 1792.4/25

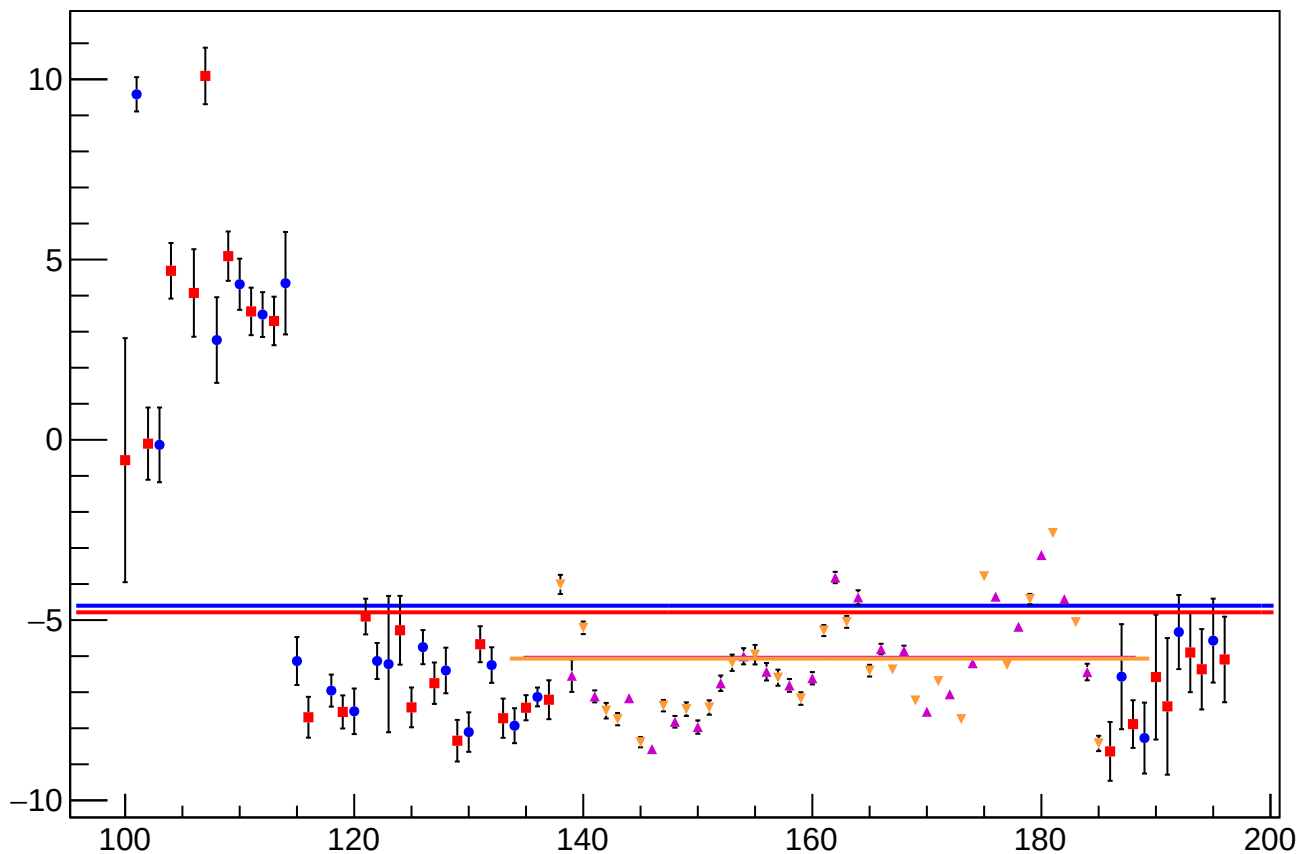
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.119 $\pm$ 0.034 χ^2 /NDF: 21309.6/45

All: 12.189 $\pm$ 0.024 χ^2 /NDF: 44767.3/94

- sign 12.260 $\pm$ 0.034 χ^2 /NDF: 23449.1/48

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.601 ± 0.127 χ^2/NDF : 1600.4/20

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.785 ± 0.129 χ^2/NDF : 1397.7/25

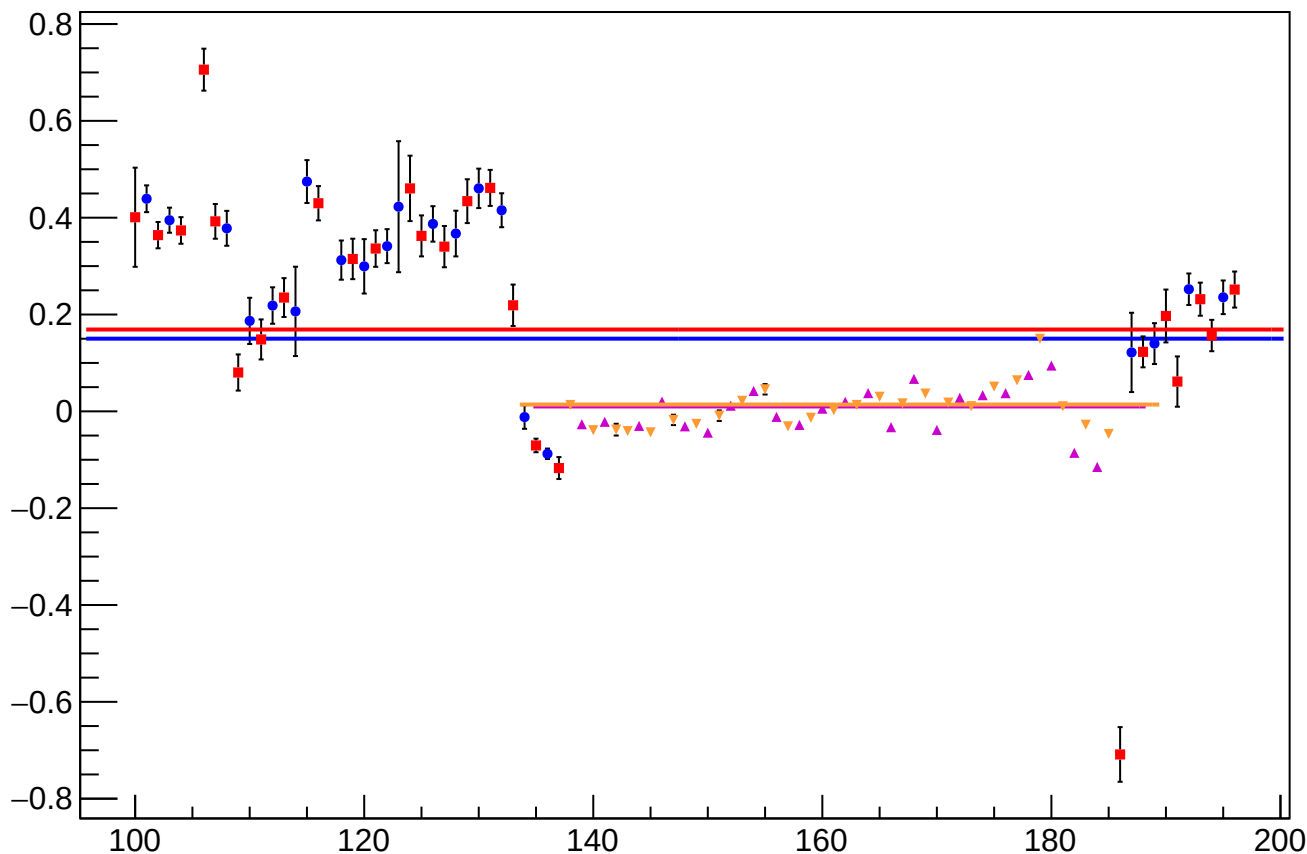
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.986 ± 0.030 χ^2/NDF : 4397.8/45

All: -5.980 ± 0.022 χ^2/NDF : 8178.9/94

- sign -5.973 ± 0.031 χ^2/NDF : 3781.1/48

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.150 ± 0.007 χ^2/NDF : 1075.0/20

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.169 ± 0.007 χ^2/NDF : 1259.1/25

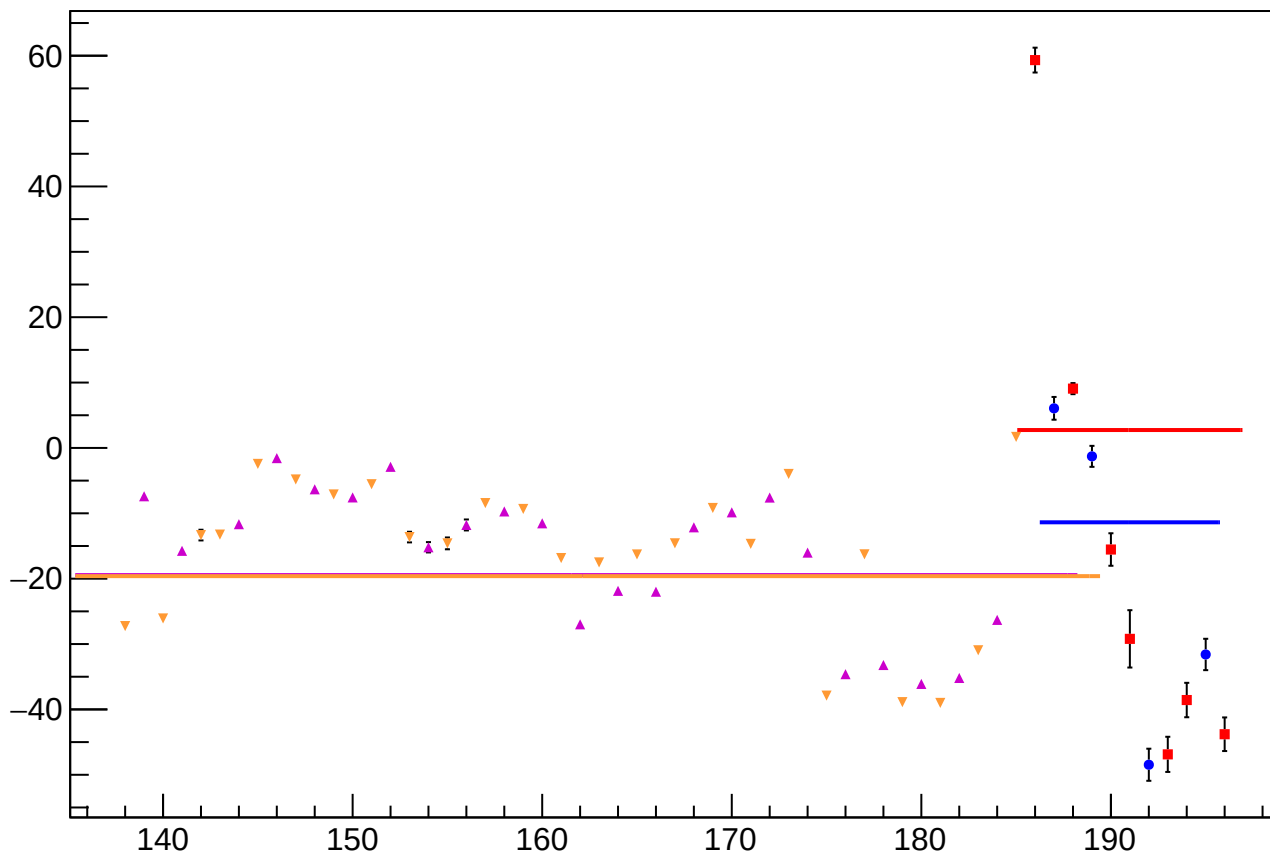
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.020 ± 0.001 χ^2/NDF : 2428.9/45

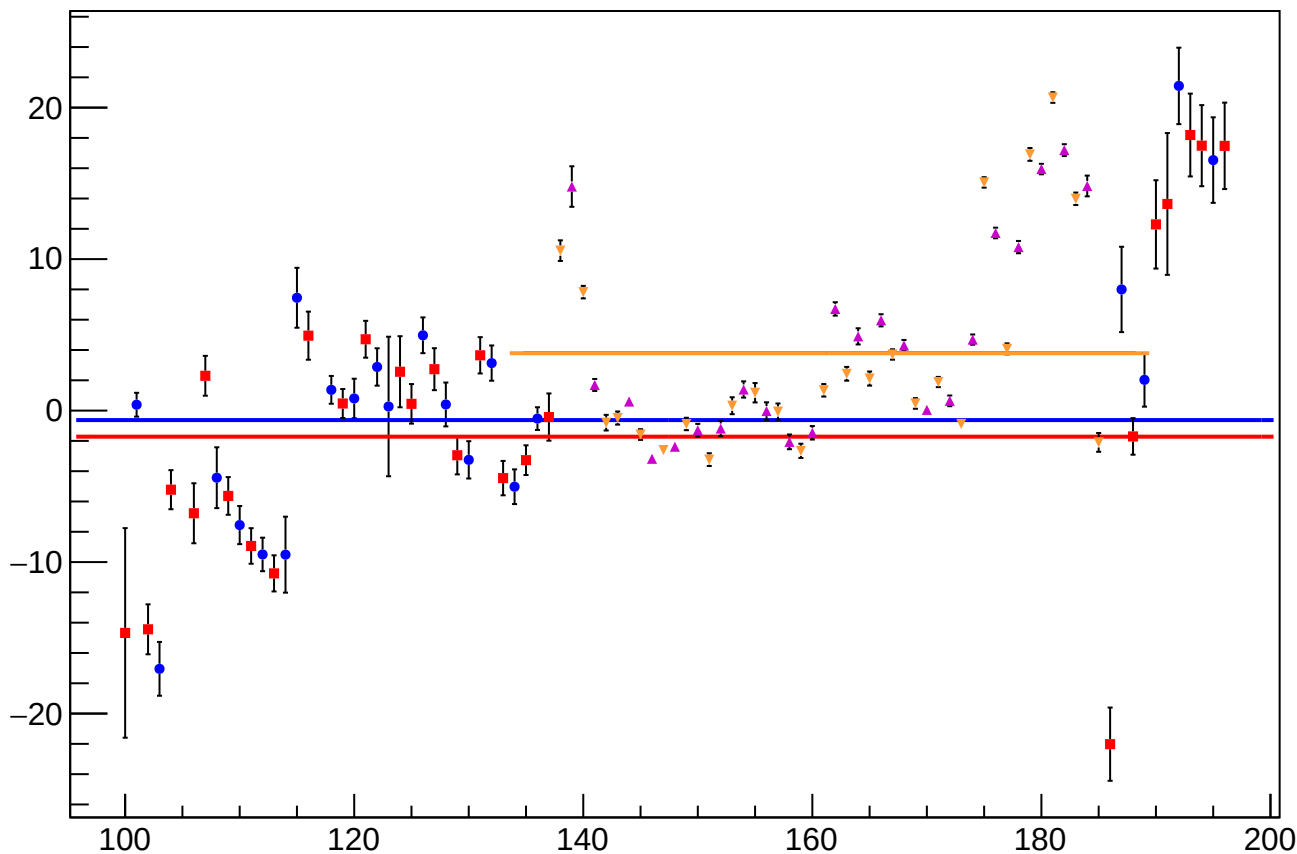
All: 0.019 ± 0.001 χ^2/NDF : 5453.5/94

- sign 0.017 ± 0.001 χ^2/NDF : 3022.8/48

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.627 ± 0.284 χ^2/NDF : 406.4/20

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -1.721 ± 0.285 χ^2/NDF : 542.7/25

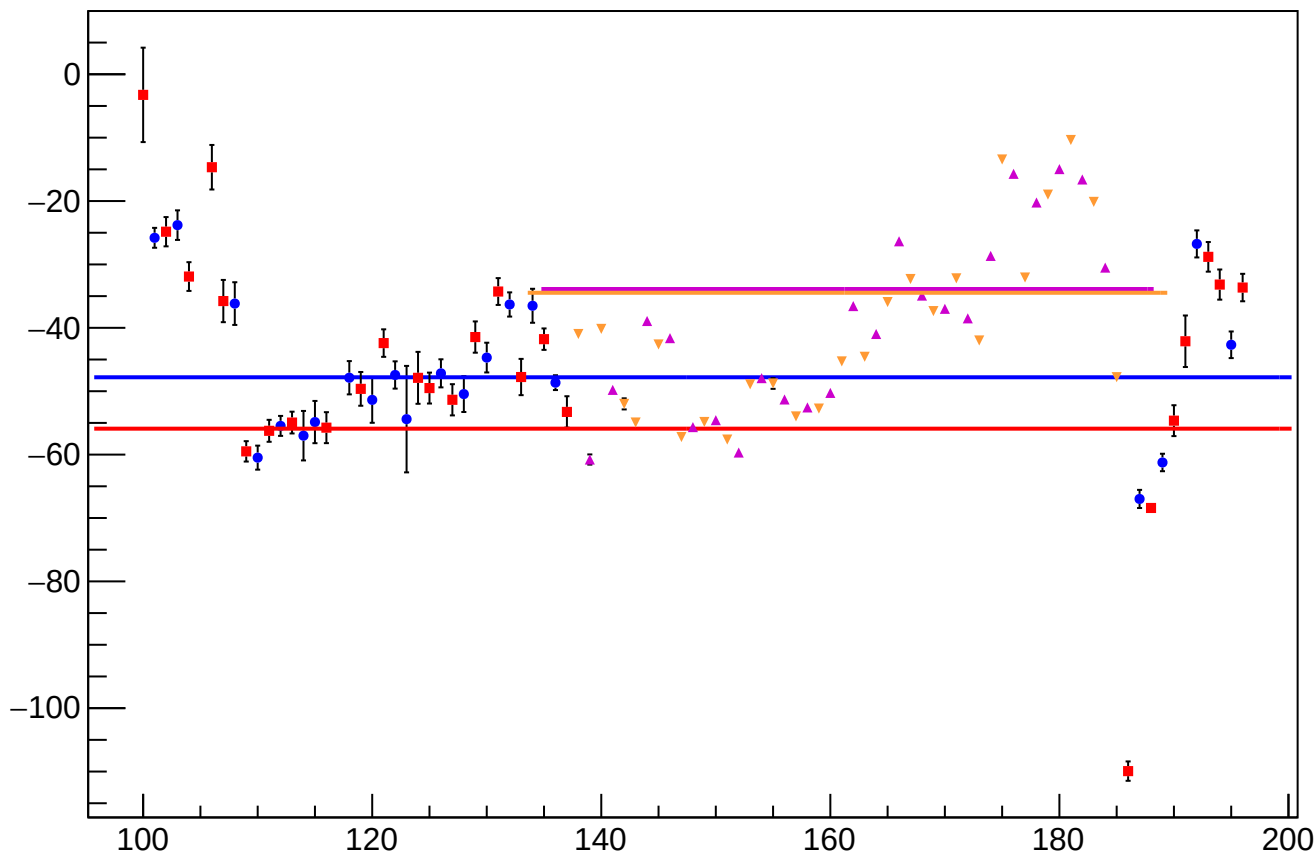
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.448 ± 0.079 χ^2/NDF : 7779.8/45

All: 3.405 ± 0.056 χ^2/NDF : 14185.8/94

- sign 3.361 ± 0.080 χ^2/NDF : 6405.4/48

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -47.801 ± 0.443 χ^2/NDF : 829.6/20

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -55.908 ± 0.380 χ^2/NDF : 2727.0/25

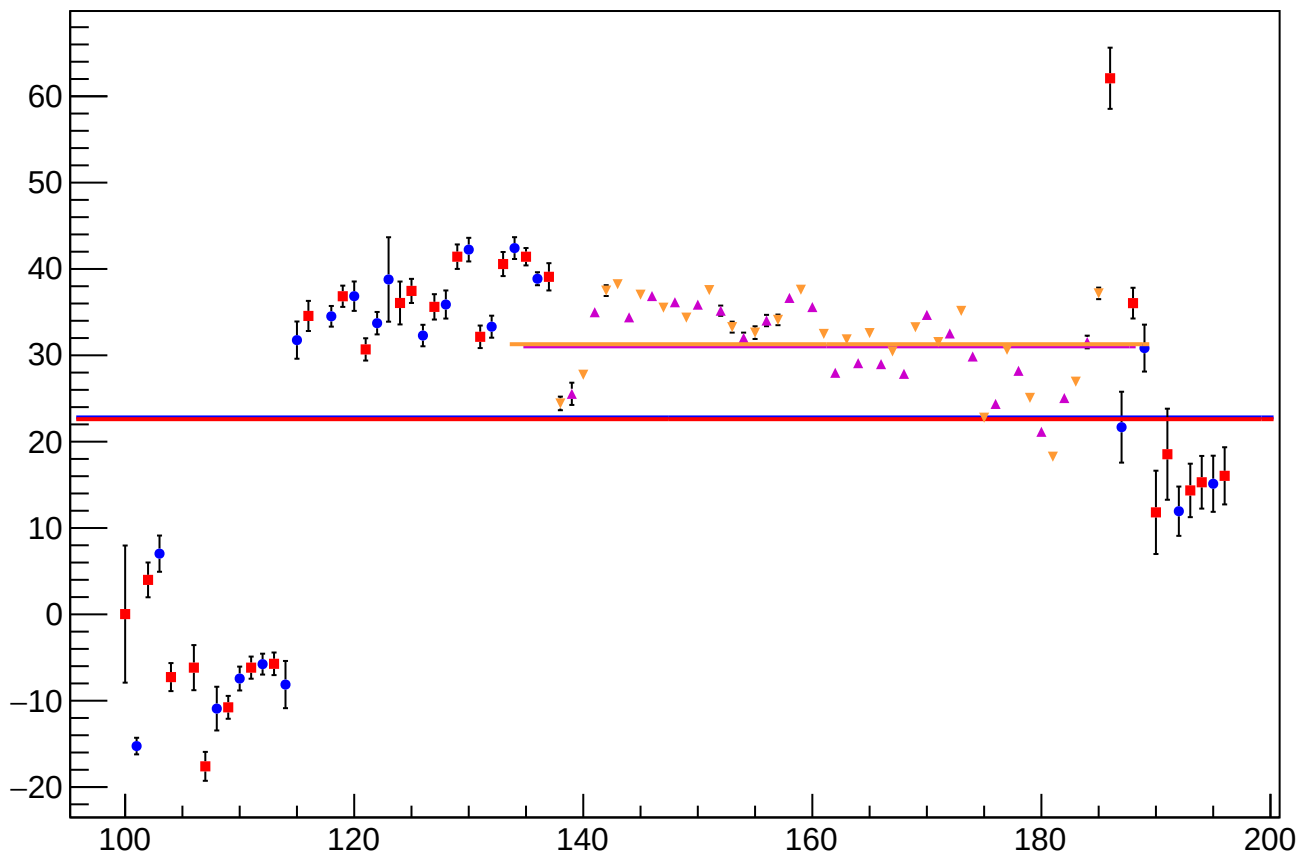
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.165 ± 0.101 χ^2/NDF : 21882.6/45

All: -35.306 ± 0.072 χ^2/NDF : 45377.8/94

- sign -35.447 ± 0.101 χ^2/NDF : 23491.3/48

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.805 $\pm$ 0.322 χ^2 /NDF: 4346.2/20

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.604 $\pm$ 0.326 χ^2 /NDF: 4235.9/25

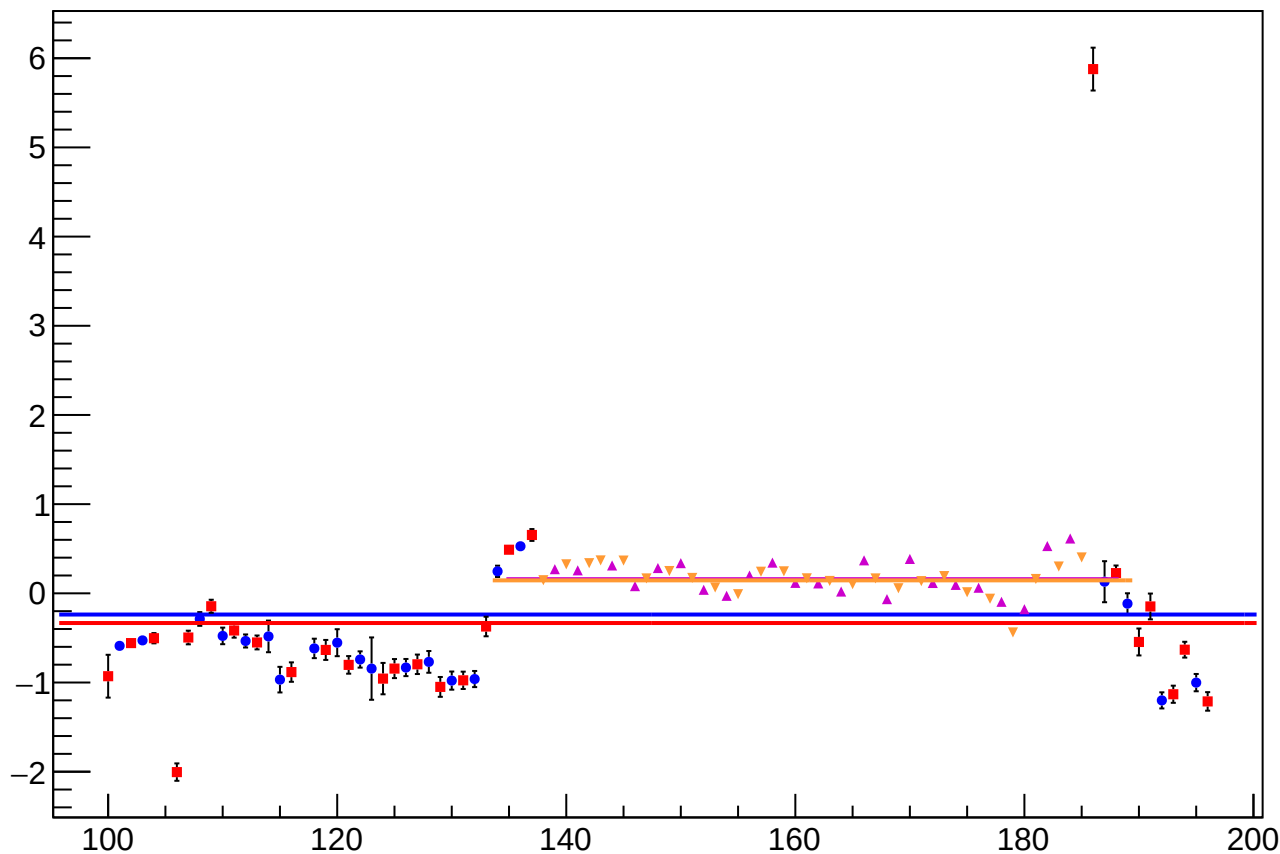
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.640 $\pm$ 0.089 χ^2 /NDF: 8334.5/45

All: 30.517 $\pm$ 0.063 χ^2 /NDF: 15671.6/94

- sign 30.390 $\pm$ 0.090 χ^2 /NDF: 7333.2/48

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.238 ± 0.017 χ^2/NDF : 1184.9/20

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.333 ± 0.017 χ^2/NDF : 2041.0/25

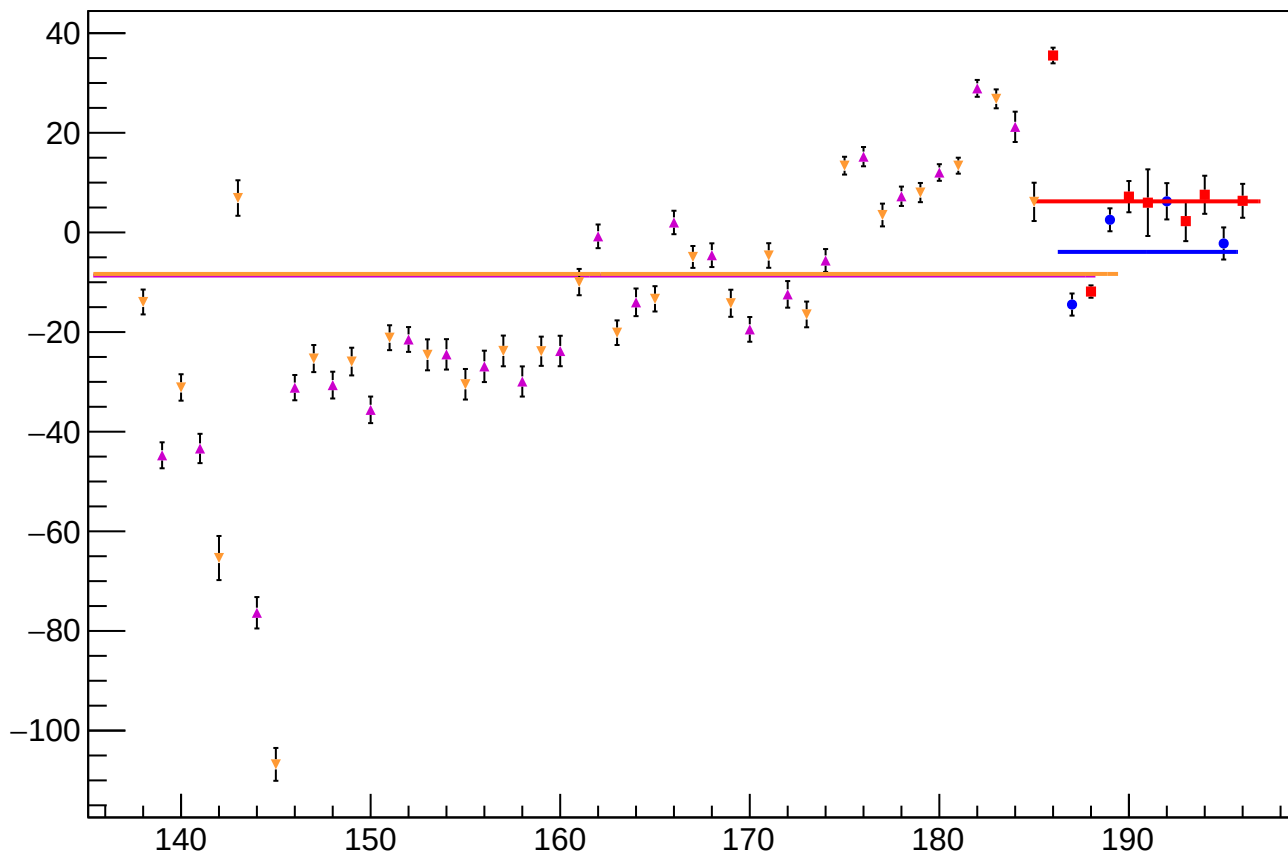
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.123 ± 0.004 χ^2/NDF : 3245.9/45

All: 0.125 ± 0.003 χ^2/NDF : 8111.1/94

- sign 0.128 ± 0.004 χ^2/NDF : 4864.4/48

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -3.908 ± 1.332 χ^2/NDF : 38.6/3

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 6.237 ± 0.846 χ^2/NDF : 562.1/6

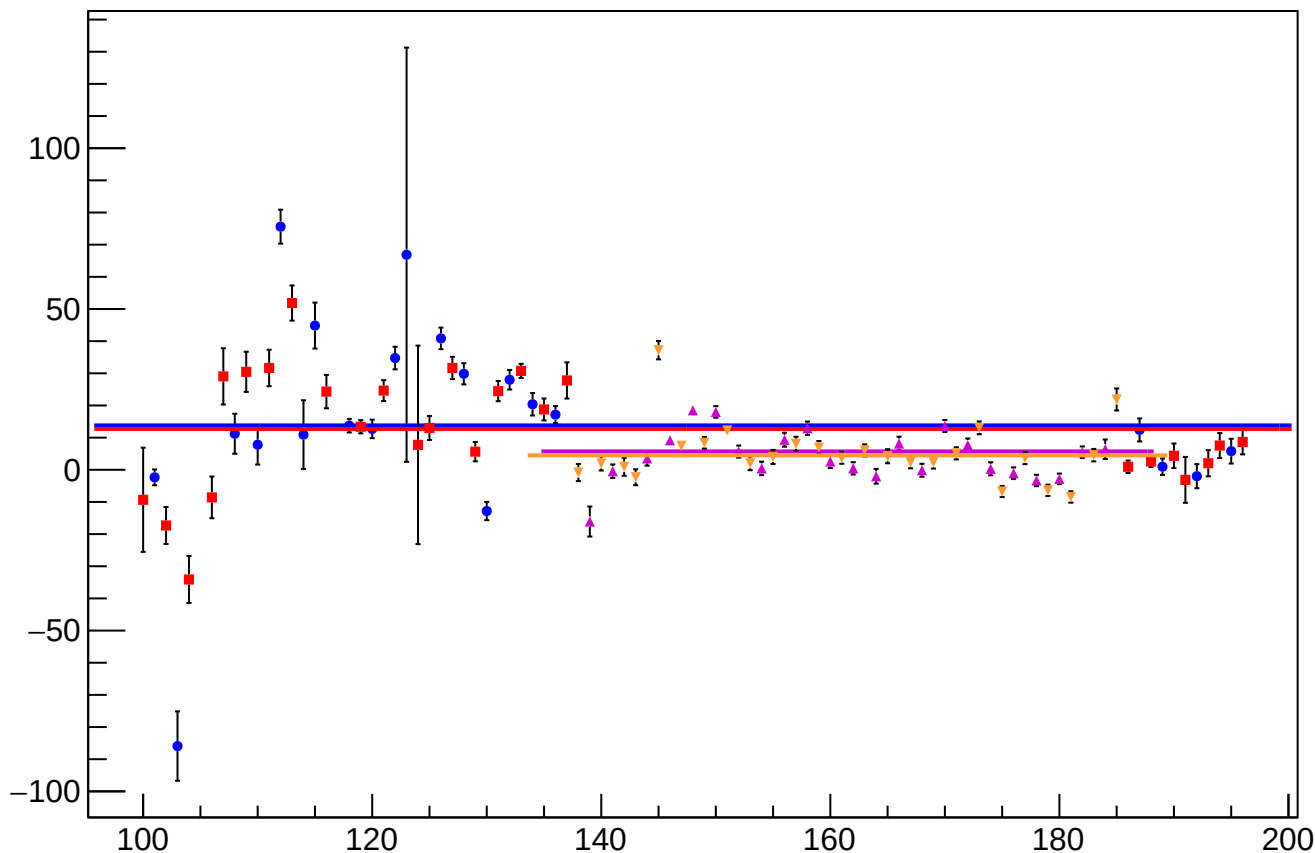
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -7.787 ± 0.468 χ^2/NDF : 2274.4/28

All: -6.139 ± 0.319 χ^2/NDF : 5311.4/58

- sign -4.715 ± 0.435 χ^2/NDF : 3013.8/29

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 13.799 $\pm$ 0.762 χ^2 /NDF: 572.6/20

Left Out: 4.484 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 12.710 $\pm$ 0.687 χ^2 /NDF: 391.3/25

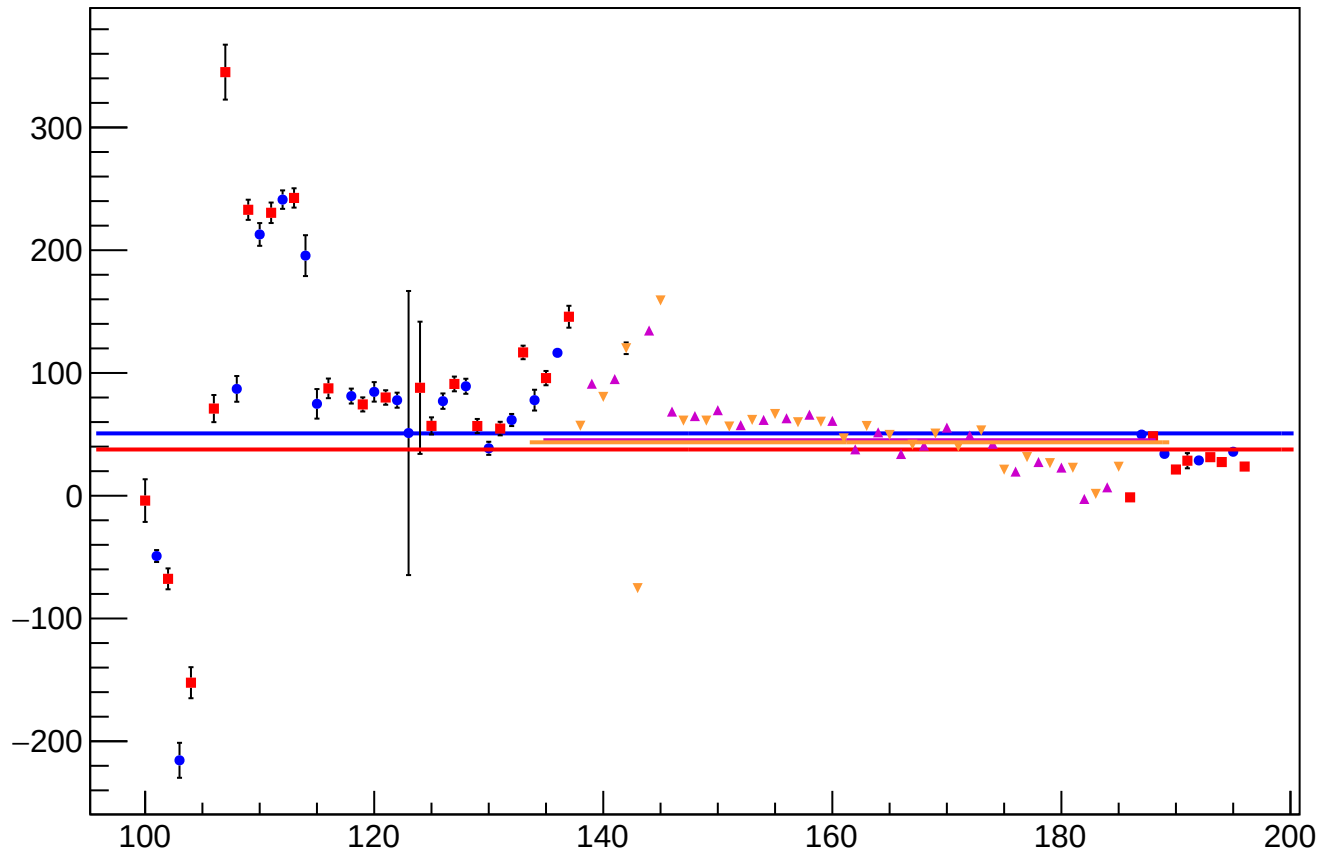
Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

+ sign 6.434 $\pm$ 0.349 χ^2 /NDF: 1062.6/45

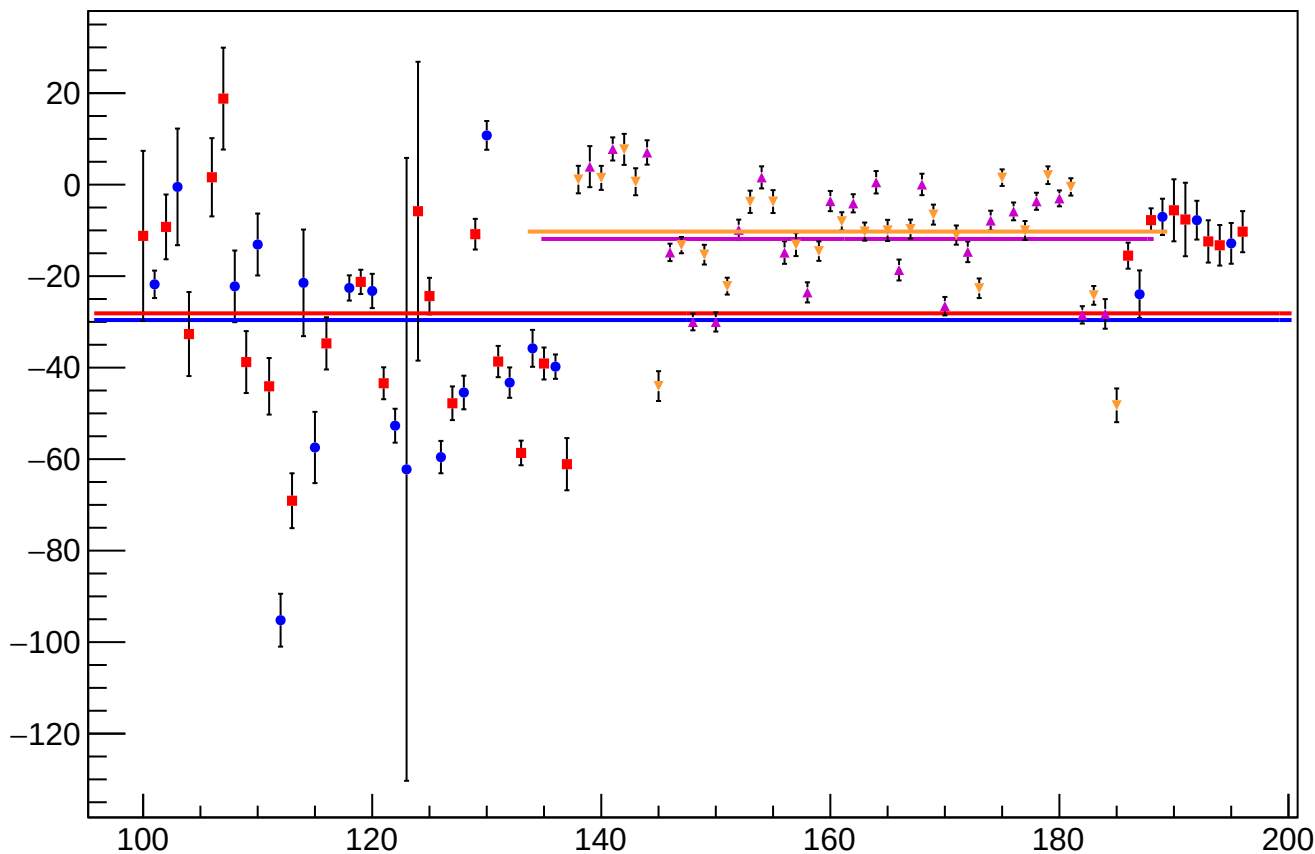
All: 6.972 $\pm$ 0.246 χ^2 /NDF: 1860.0/94

- sign 7.508 $\pm$ 0.348 χ^2 /NDF: 792.7/48

reg_asym_atl1_diff_bpm4eX_slope vs Slug



reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -29.597 ± 0.898 χ^2/NDF : 573.0/20

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -28.132 ± 0.843 χ^2/NDF : 497.1/25

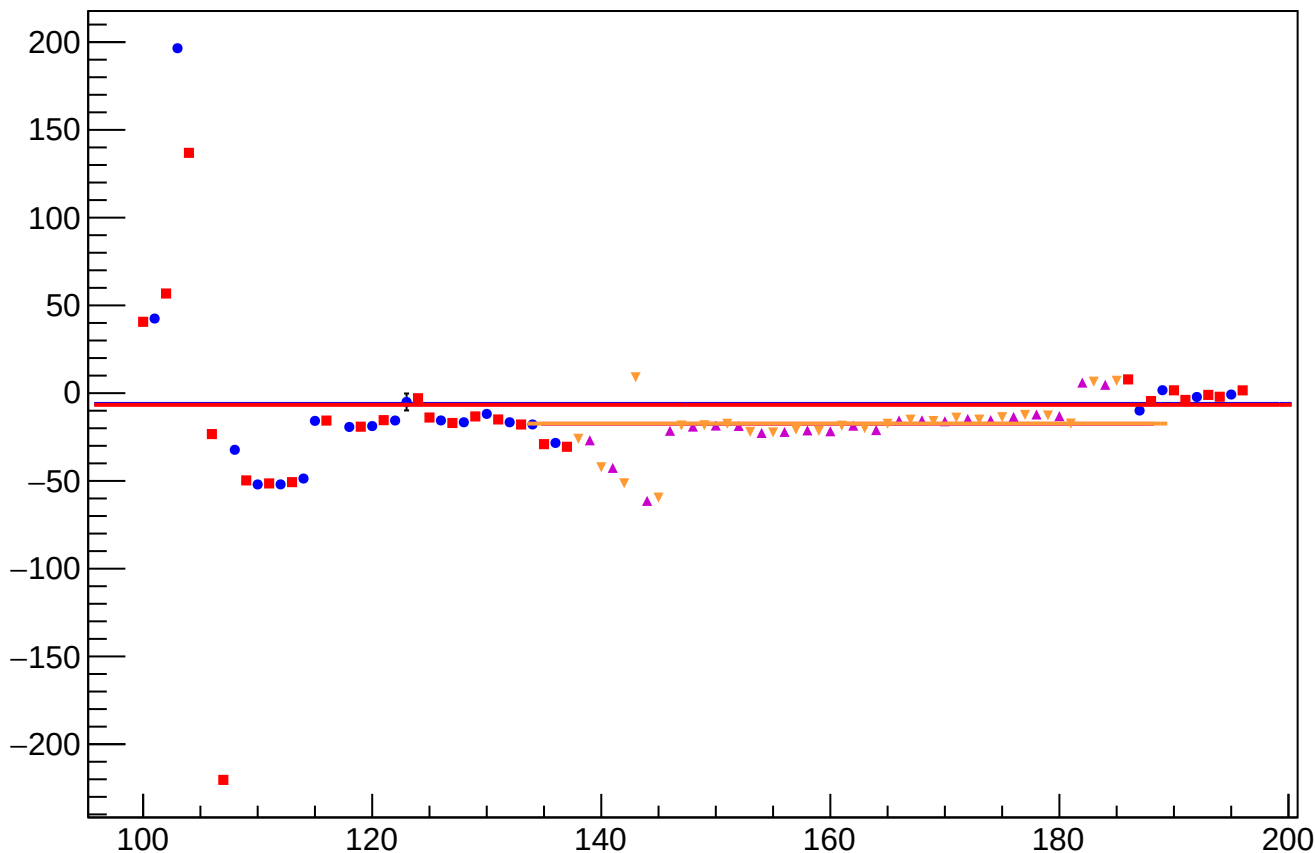
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -14.060 ± 0.398 χ^2/NDF : 1498.1/45

All: -14.803 ± 0.283 χ^2/NDF : 2956.1/94

- sign -15.558 ± 0.401 χ^2/NDF : 1451.0/48

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -6.139 ± 0.048 χ^2/NDF : 581826.5/20

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -6.642 ± 0.043 χ^2/NDF : 582270.7/25

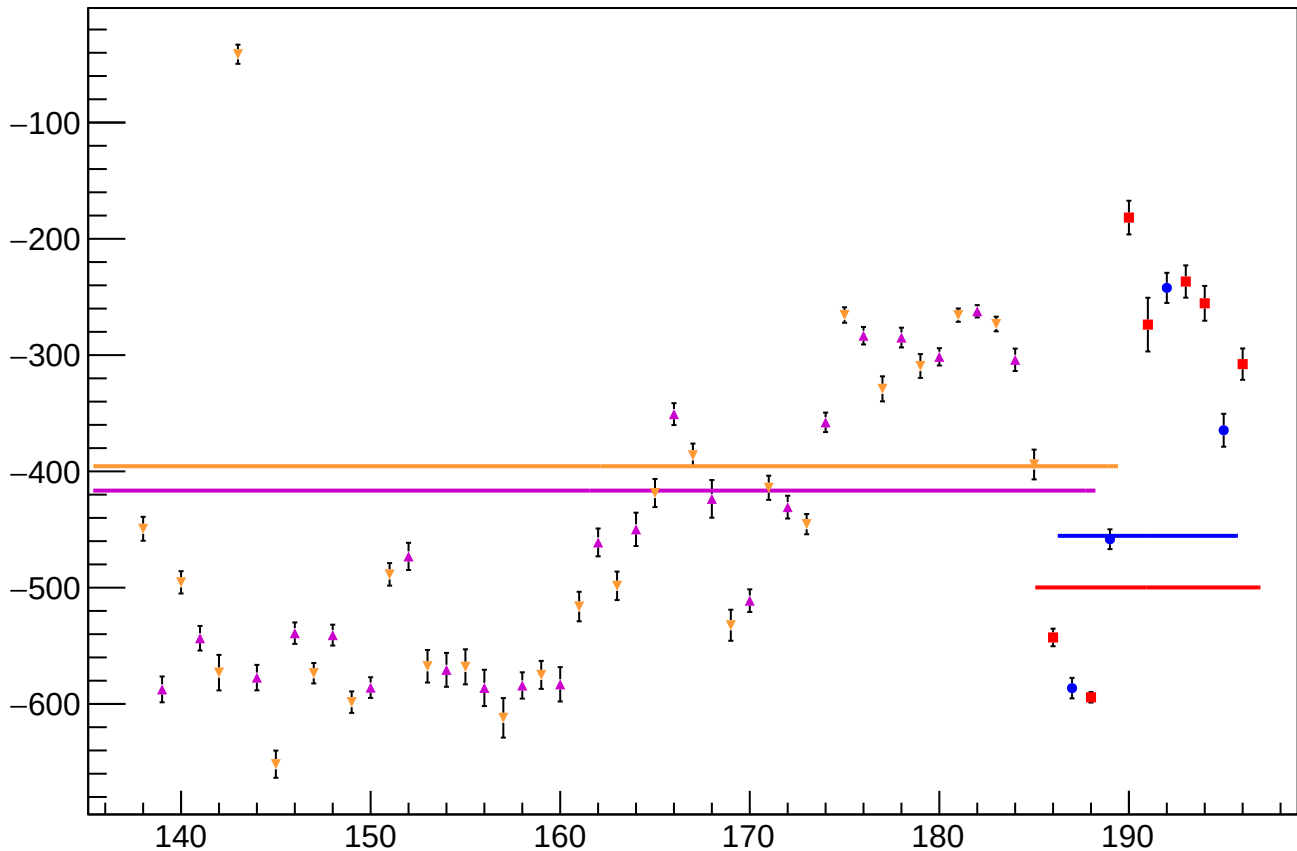
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -15.604 ± 0.019 χ^2/NDF : 953519.3/45

All: -15.523 ± 0.013 χ^2/NDF : 1847036.5/94

- sign -15.442 ± 0.019 χ^2/NDF : 893479.7/48

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -455.429+/-5.158 χ^2/NDF : 533.1/3

Left Out: -395.547+/-1.953 χ^2/NDF : 5946.5/24

Right Out: -499.800+/-3.351 χ^2/NDF : 1883.2/6

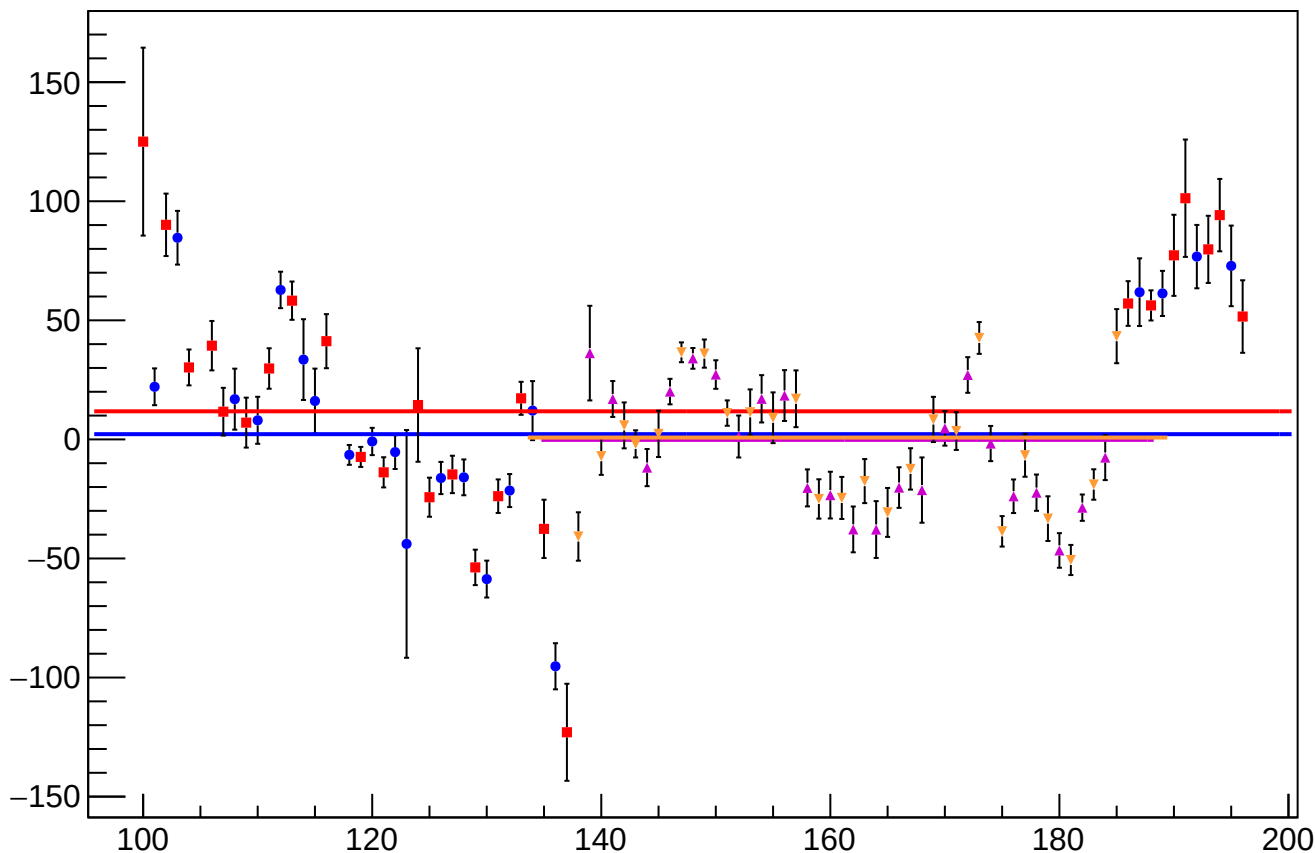
Left In: -416.521+/-2.005 χ^2/NDF : 3917.0/22

+ sign -403.058+/-1.827 χ^2/NDF : 6597.5/28

All: -421.825+/-1.252 χ^2/NDF : 13051.6/58

- sign -438.469+/-1.720 χ^2/NDF : 6255.0/29

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 2.198 ± 1.842 $\chi^2/\text{NDF}: 429.5/20$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 11.793 ± 1.748 $\chi^2/\text{NDF}: 493.7/25$

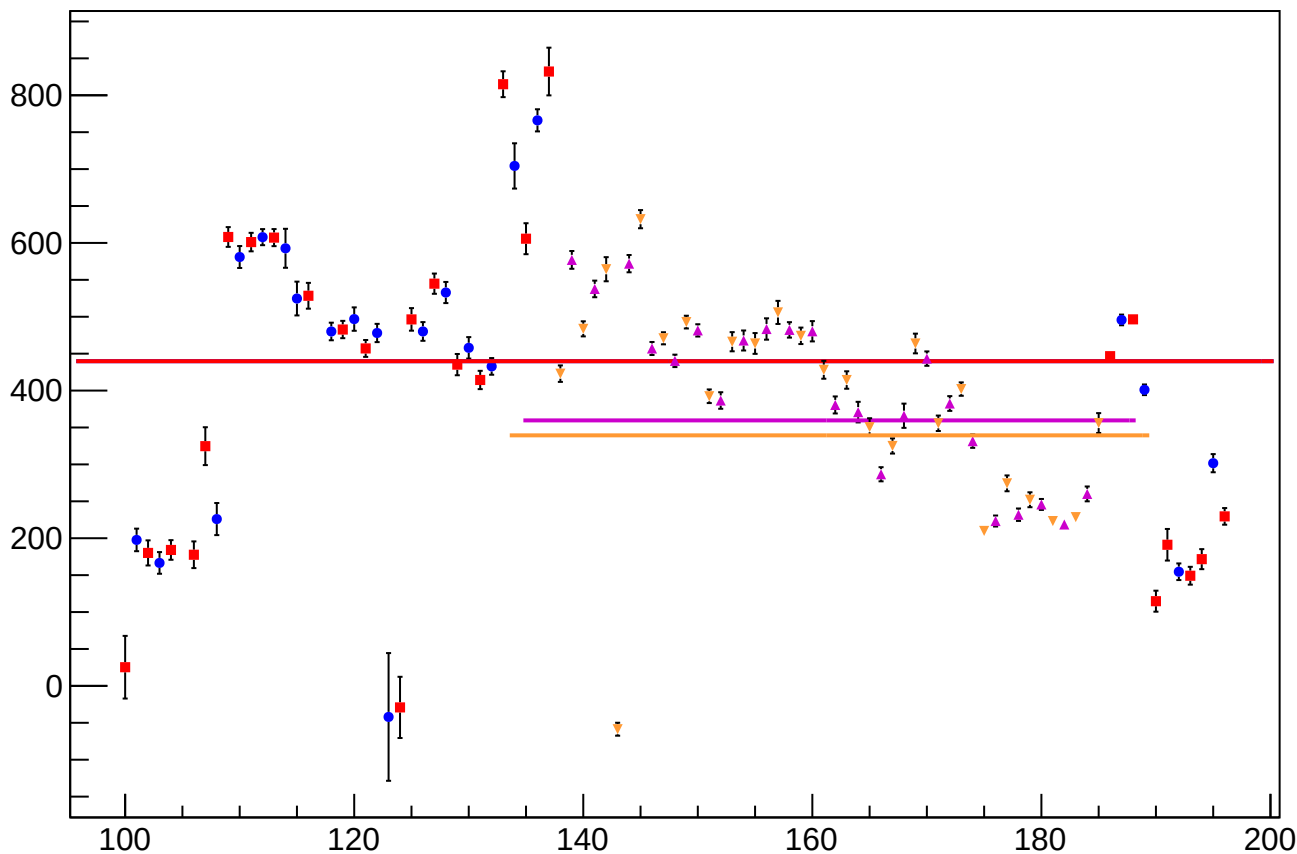
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 1.339 ± 1.164 $\chi^2/\text{NDF}: 779.9/45$

All: 3.246 ± 0.825 $\chi^2/\text{NDF}: 1565.8/94$

- sign 5.173 ± 1.170 $\chi^2/\text{NDF}: 780.4/48$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 439.798 $\pm$ 2.805 χ^2 /NDF: 2592.6/20

Left Out: 339.355 $\pm$ 1.963 χ^2 /NDF: 5502.5/24

Right Out: 439.789 $\pm$ 2.176 χ^2 /NDF: 4600.5/25

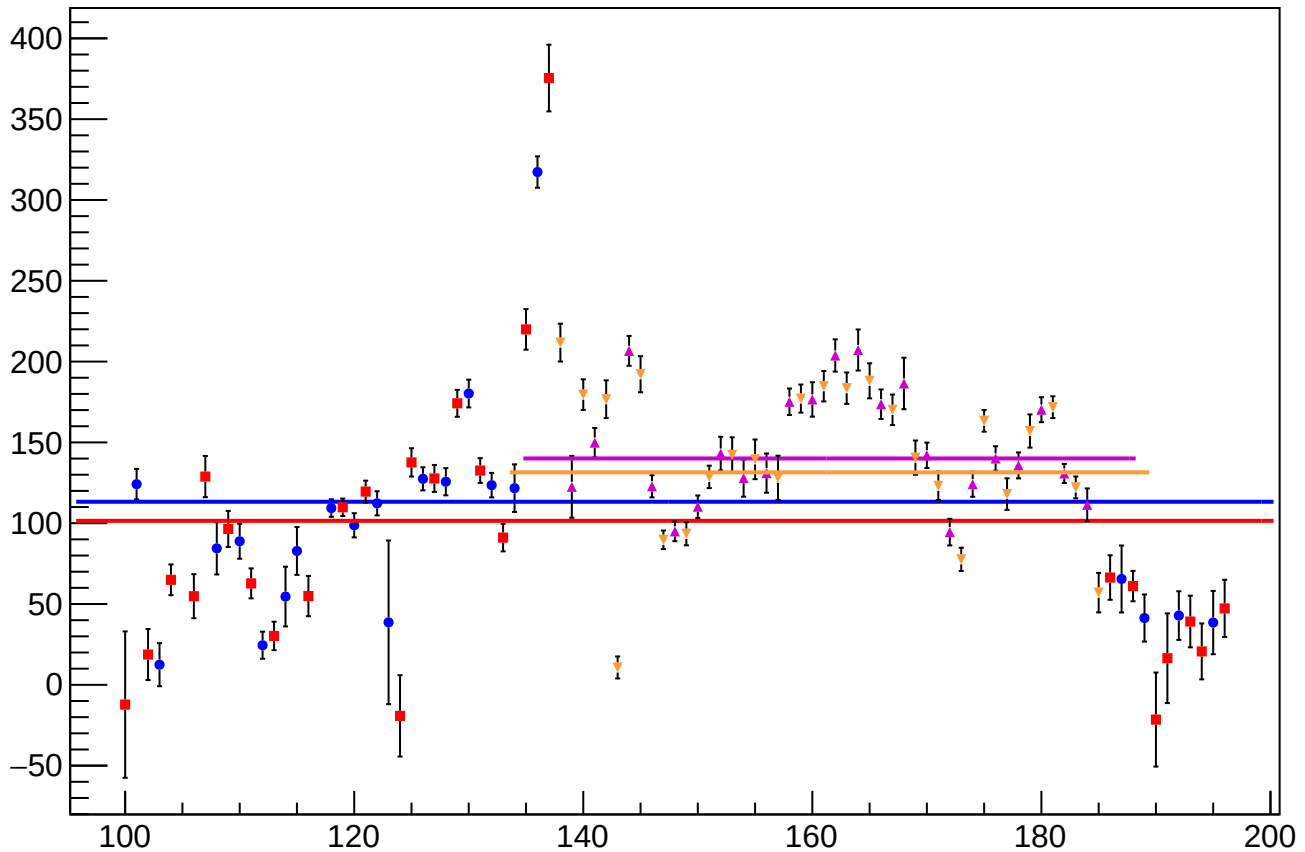
Left In: 359.609 $\pm$ 2.003 χ^2 /NDF: 3398.5/22

+ sign 372.360 $\pm$ 1.608 χ^2 /NDF: 8955.8/45

All: 385.420 $\pm$ 1.086 χ^2 /NDF: 17811.3/94

- sign 396.384 $\pm$ 1.473 χ^2 /NDF: 8734.3/48

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 113.278 ± 2.156 $\chi^2/\text{NDF}: 775.8/20$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 101.481 ± 2.066 $\chi^2/\text{NDF}: 678.9/25$

Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 124.354 ± 1.348 $\chi^2/\text{NDF}: 1628.4/45$

All: 123.912 ± 0.956 $\chi^2/\text{NDF}: 2822.9/94$

- sign 123.466 ± 1.355 $\chi^2/\text{NDF}: 1194.2/48$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.119 $\pm$ 0.125 χ^2/NDF : 158249.5/20

Left Out: -255.232 $\pm$ 0.082 χ^2/NDF : 728016.7/24

Right Out: -223.397 $\pm$ 0.113 χ^2/NDF : 142587.2/25

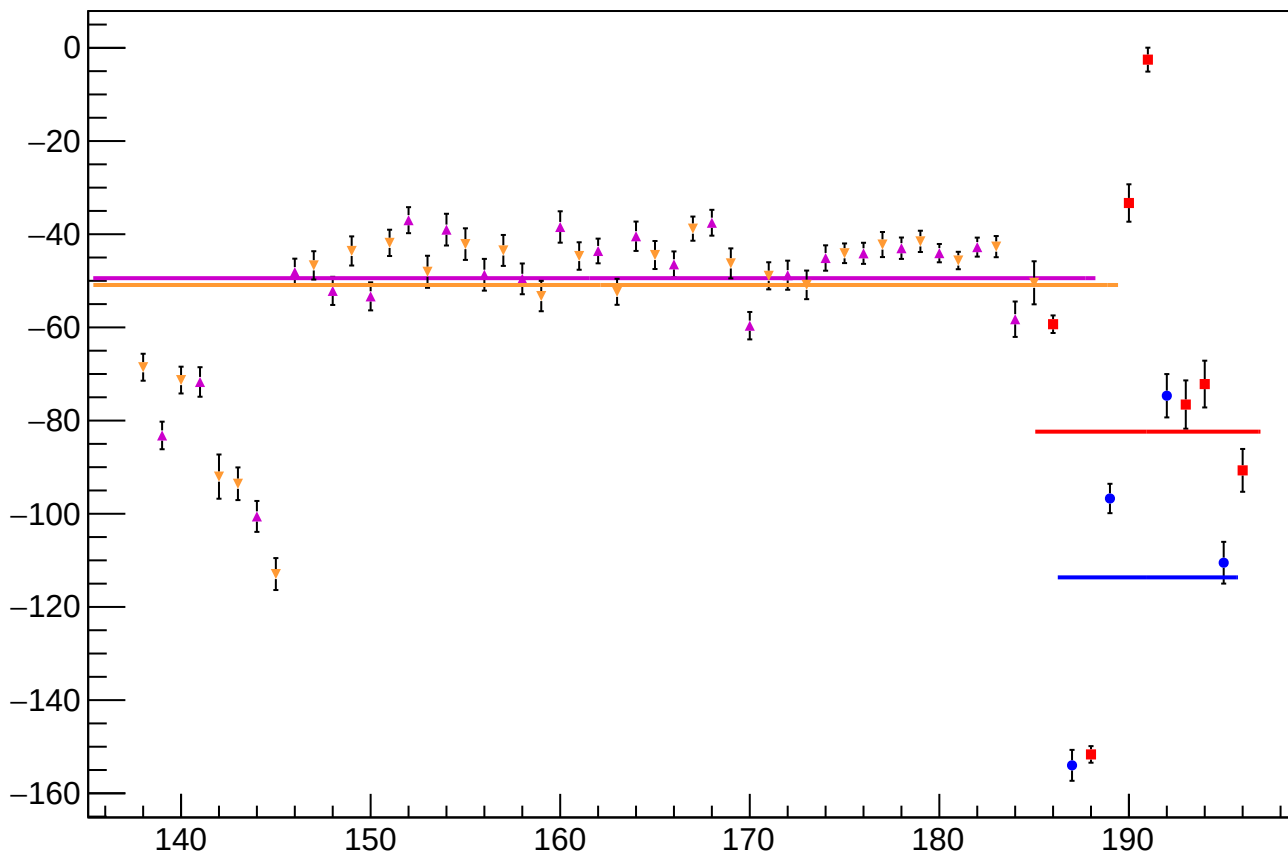
Left In: -268.353 $\pm$ 0.084 χ^2/NDF : 262479.3/22

+ sign -245.599 $\pm$ 0.069 χ^2/NDF : 932316.4/45

All: -249.073 $\pm$ 0.048 χ^2/NDF : 1444933.9/94

- sign -252.406 $\pm$ 0.067 χ^2/NDF : 507589.3/48

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -113.654 $\pm$ 1.865 χ^2 /NDF: 247.5/3

Left Out: -50.897 $\pm$ 0.573 χ^2 /NDF: 761.1/24

Right Out: -82.377 $\pm$ 1.034 χ^2 /NDF: 2788.3/6

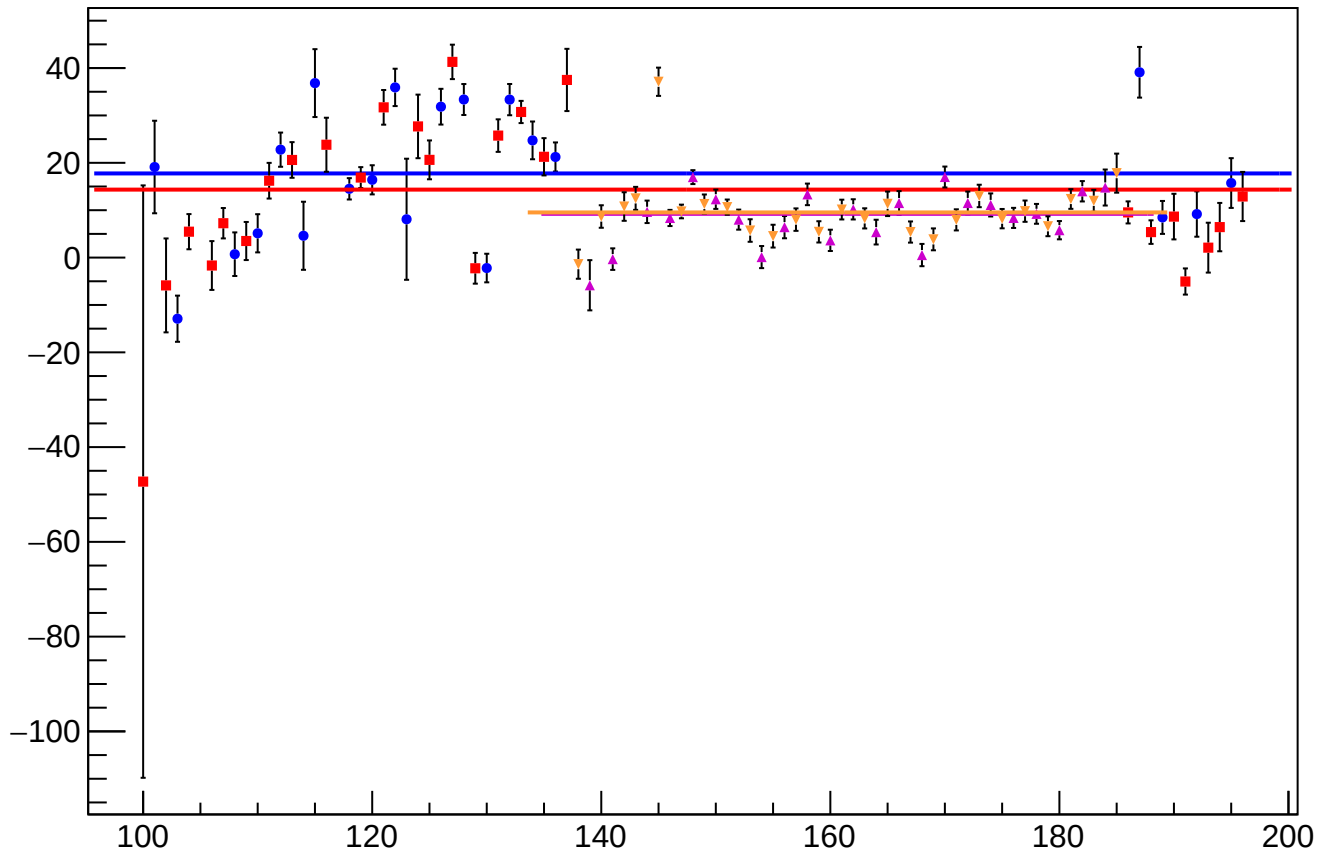
Left In: -49.432 $\pm$ 0.584 χ^2 /NDF: 543.4/22

+ sign -56.308 $\pm$ 0.548 χ^2 /NDF: 2043.7/28

All: -56.890 $\pm$ 0.373 χ^2 /NDF: 6146.7/58

- sign -57.393 $\pm$ 0.509 χ^2 /NDF: 4100.9/29

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 17.760 ± 0.850 $\chi^2/\text{NDF}: 233.2/20$

Left Out: 9.530 ± 0.446 $\chi^2/\text{NDF}: 134.4/24$

Right Out: 14.346 ± 0.712 $\chi^2/\text{NDF}: 301.2/25$

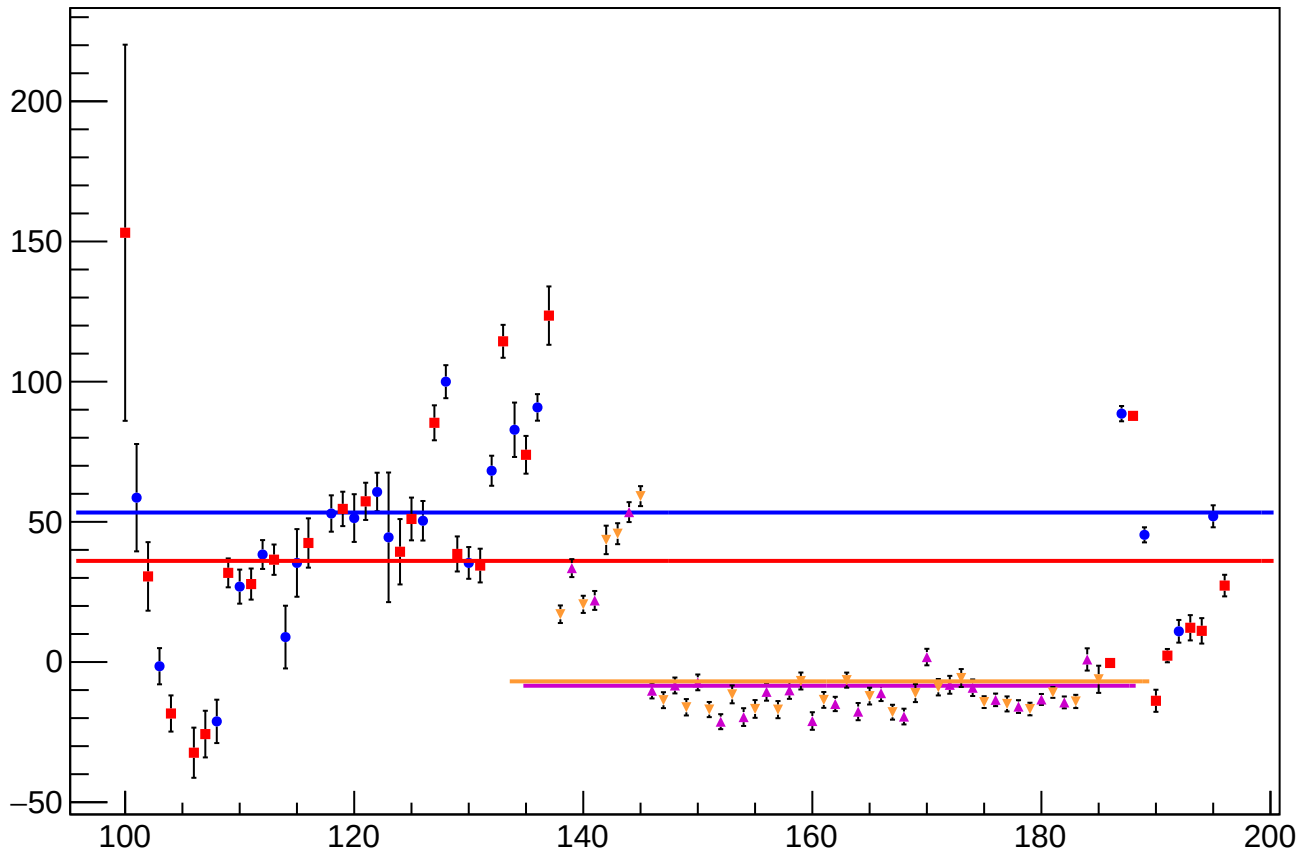
Left In: 9.231 ± 0.462 $\chi^2/\text{NDF}: 124.0/22$

+ sign 11.305 ± 0.395 $\chi^2/\text{NDF}: 441.0/45$

All: 11.020 ± 0.277 $\chi^2/\text{NDF}: 903.5/94$

- sign 10.745 ± 0.387 $\chi^2/\text{NDF}: 461.5/48$

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 53.326 ± 1.153 χ^2/NDF : 650.3/20

Left Out: -6.888 ± 0.571 χ^2/NDF : 914.2/24

Right Out: 36.072 ± 0.763 χ^2/NDF : 2861.4/25

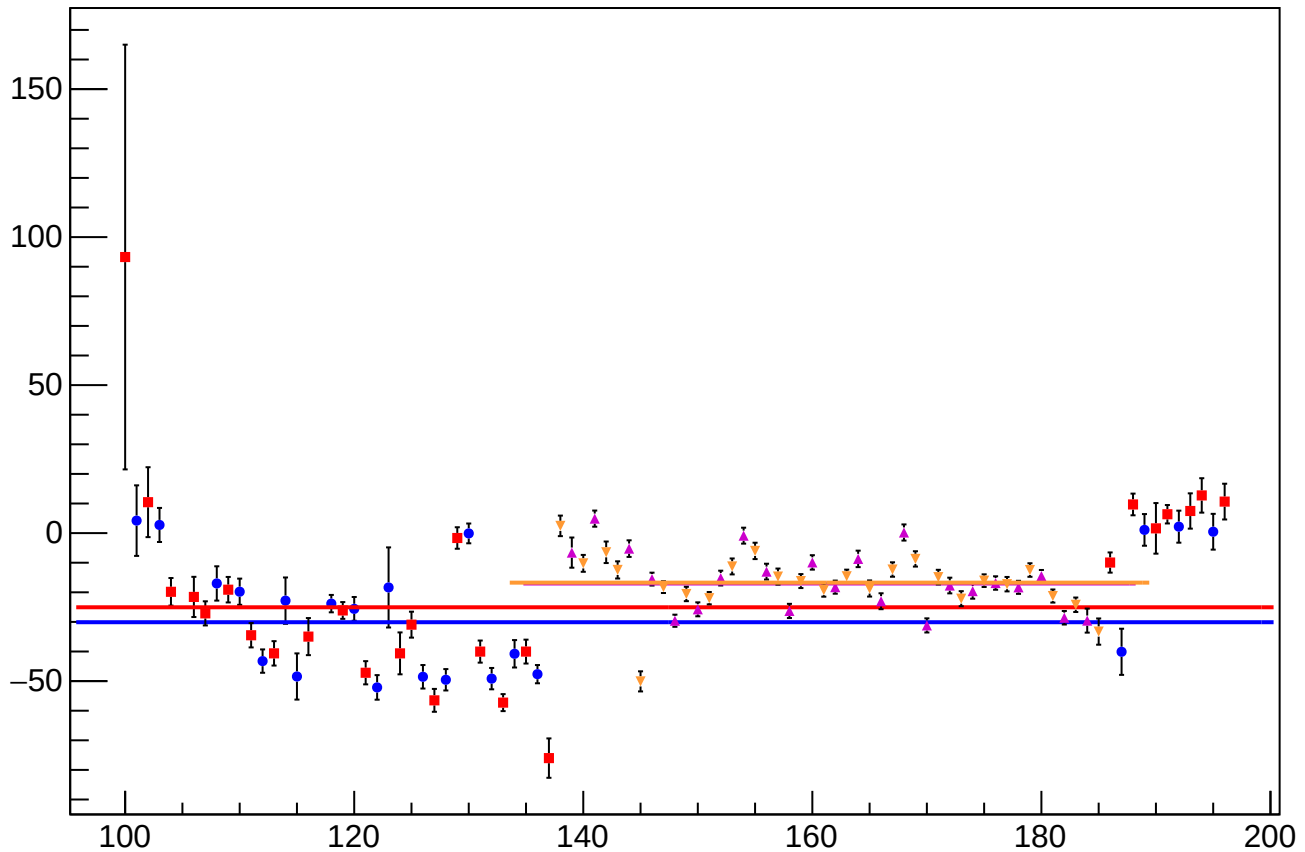
Left In: -8.451 ± 0.580 χ^2/NDF : 688.9/22

+ sign 4.974 ± 0.512 χ^2/NDF : 3755.4/45

All: 6.558 ± 0.343 χ^2/NDF : 9481.6/94

- sign 7.848 ± 0.462 χ^2/NDF : 5708.8/48

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -30.105 ± 0.986 χ^2/NDF : 397.2/20

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -25.058 ± 0.852 χ^2/NDF : 726.5/25

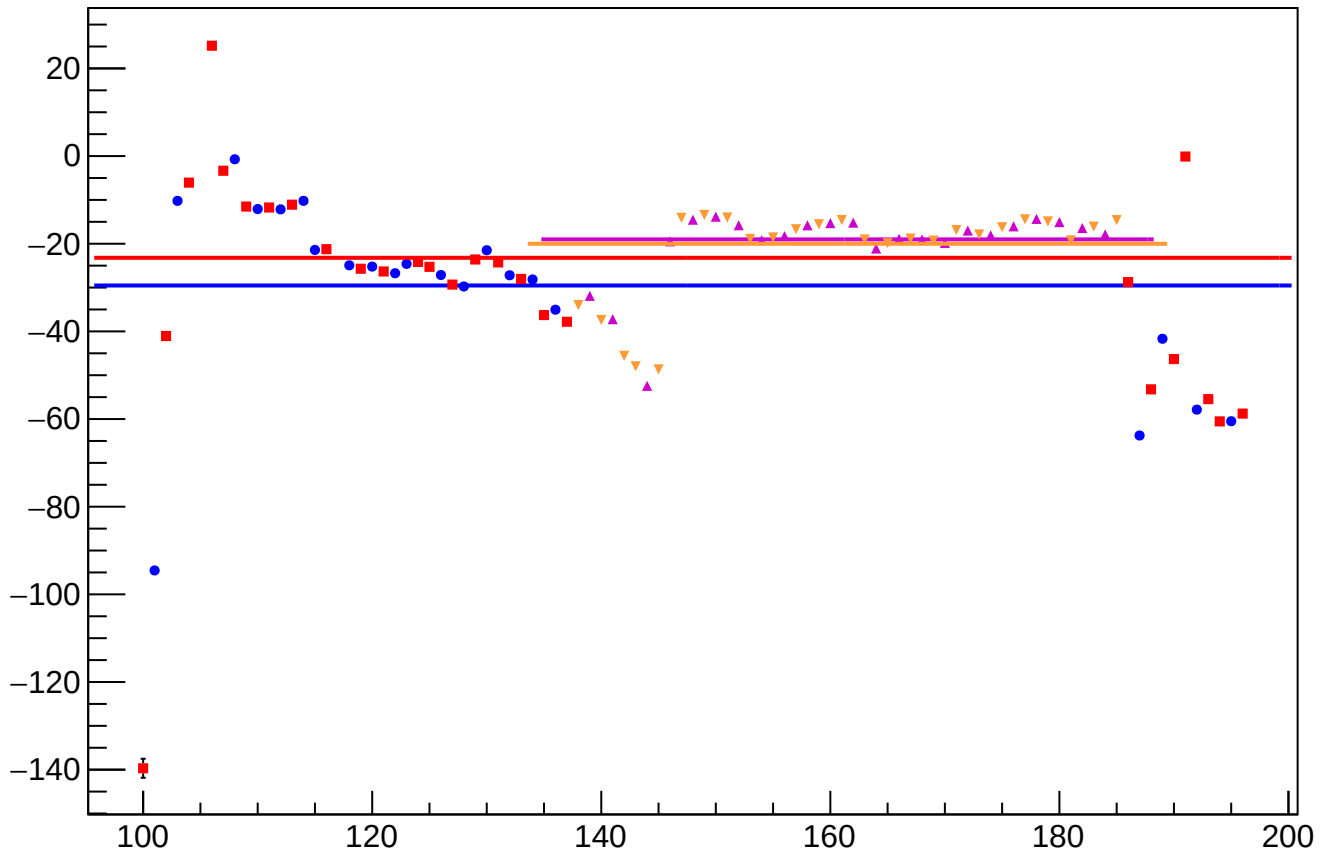
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.525 ± 0.451 χ^2/NDF : 765.9/45

All: -19.368 ± 0.317 χ^2/NDF : 1884.9/94

- sign -19.214 ± 0.445 χ^2/NDF : 1118.7/48

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -29.527 ± 0.052 χ^2/NDF : 133516.1/20

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -23.209 ± 0.041 χ^2/NDF : 312289.9/25

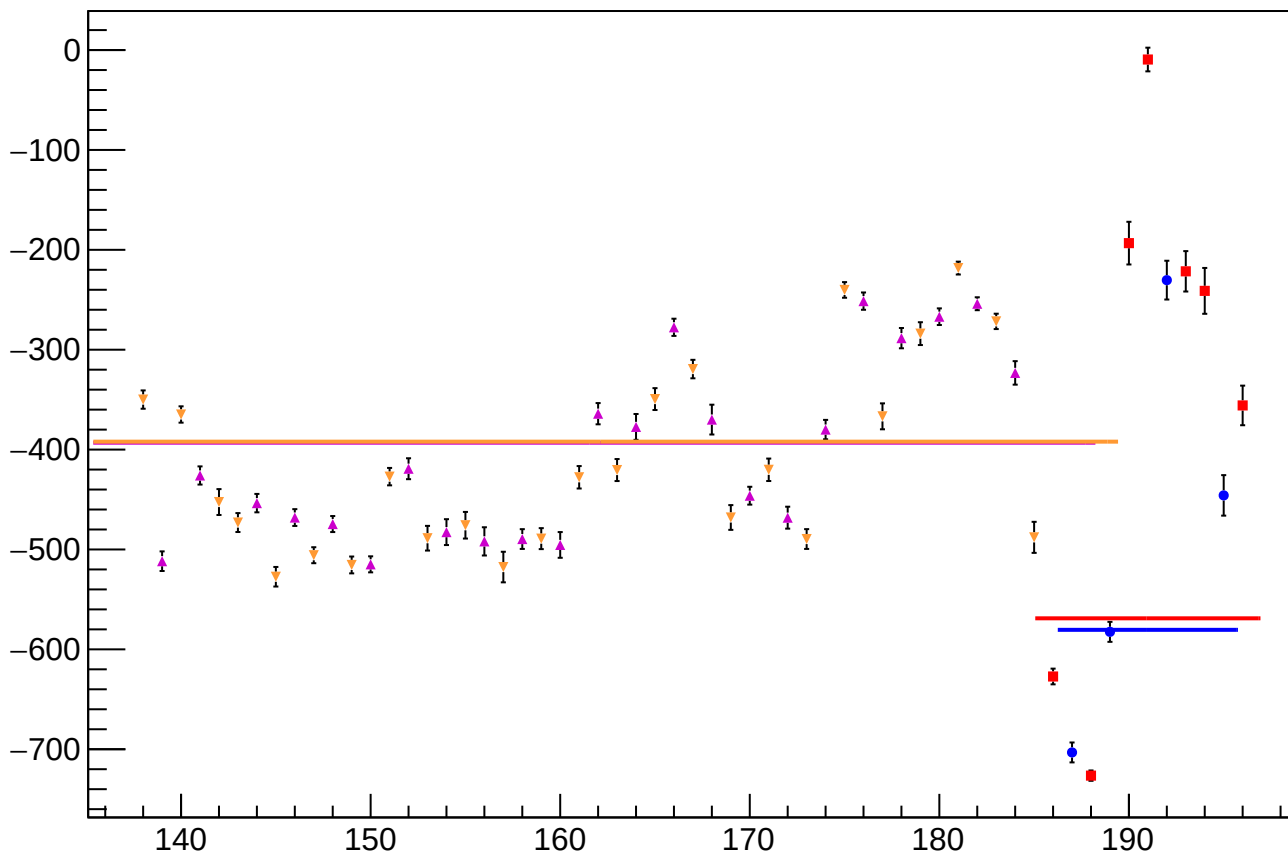
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -21.621 ± 0.021 χ^2/NDF : 307467.8/45

All: -20.812 ± 0.015 χ^2/NDF : 721312.1/94

- sign -20.059 ± 0.020 χ^2/NDF : 411043.0/48

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -580.464 ± 6.305 χ^2/NDF : 521.1/3

Left Out: -392.054 ± 1.967 χ^2/NDF : 2717.2/24

Right Out: -568.934 ± 3.789 χ^2/NDF : 4129.7/6

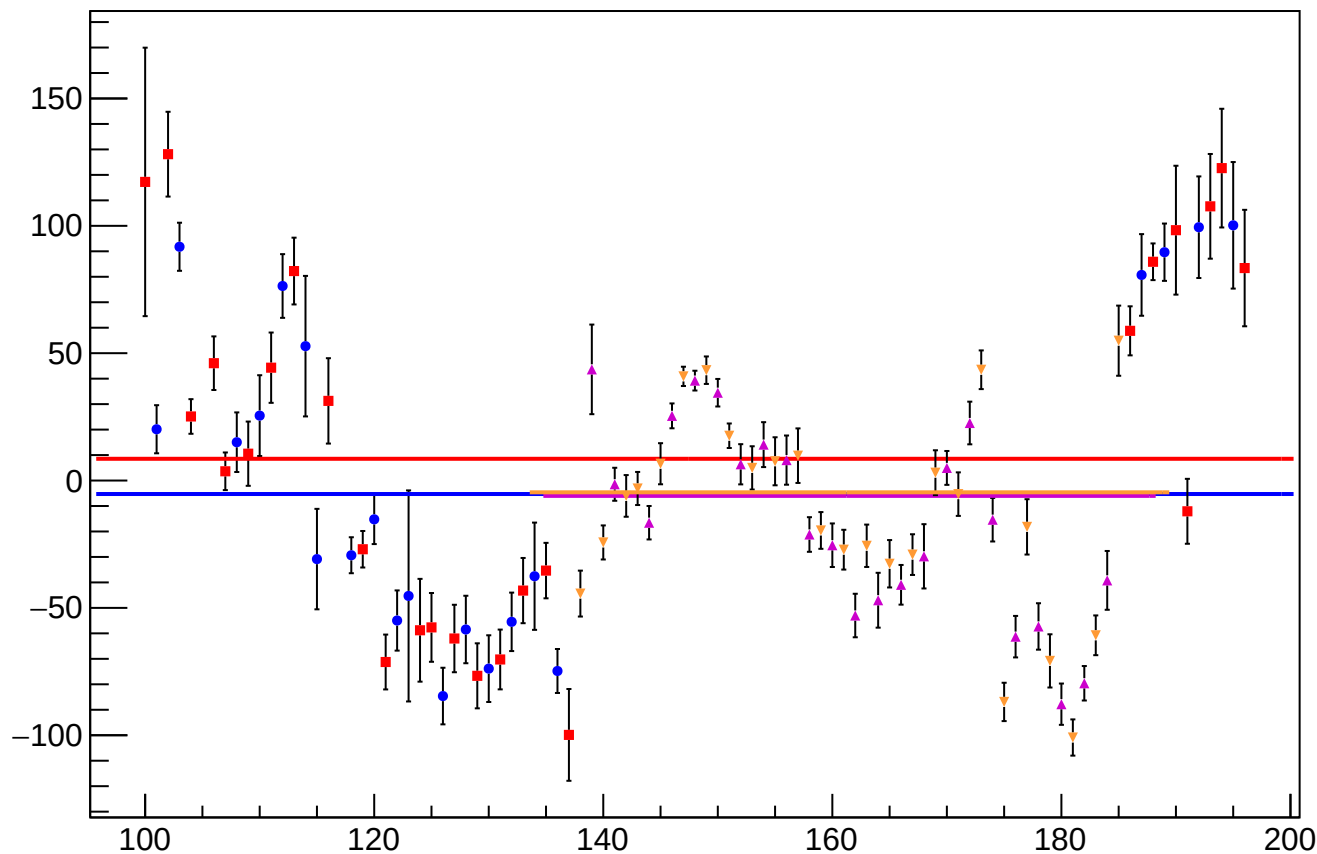
Left In: -393.113 ± 2.006 χ^2/NDF : 2253.3/22

+ sign -408.757 ± 1.877 χ^2/NDF : 4052.0/28

All: -420.830 ± 1.289 χ^2/NDF : 12195.2/58

- sign -431.593 ± 1.773 χ^2/NDF : 8065.1/29

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -5.291 ± 2.661 χ^2/NDF : 526.1/20

Left Out: -4.624 ± 1.462 χ^2/NDF : 772.9/24

Right Out: 8.538 ± 2.291 χ^2/NDF : 632.4/25

Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -4.779 ± 1.282 χ^2/NDF : 1299.1/45

All: -3.160 ± 0.900 χ^2/NDF : 2616.7/94

- sign -1.584 ± 1.264 χ^2/NDF : 1314.5/48

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 679.398 $\pm$ 3.650 χ^2 /NDF: 3241.3/20

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF: 2614.6/24

Right Out: 655.322 $\pm$ 2.607 χ^2 /NDF: 8765.2/25

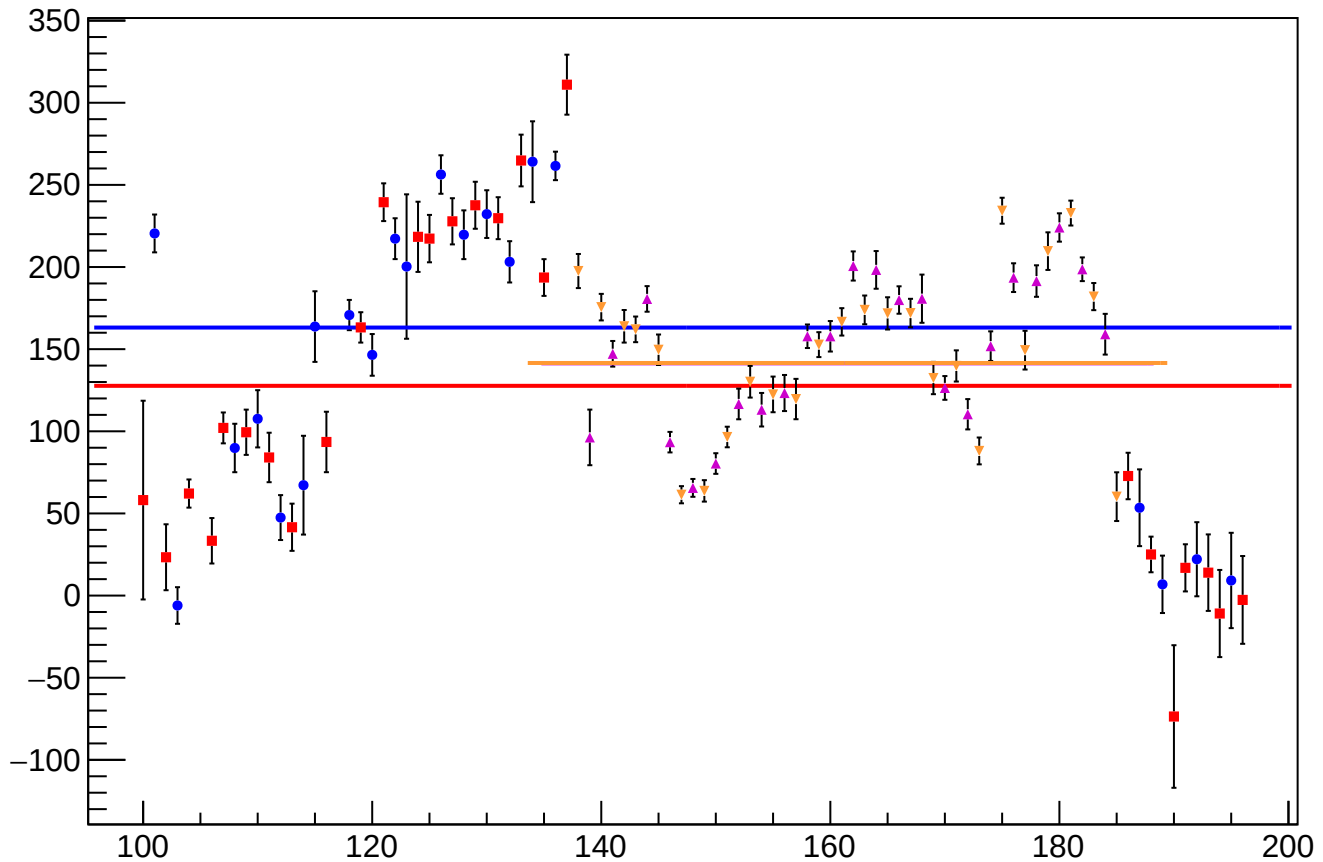
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 538.310 $\pm$ 1.731 χ^2 /NDF: 7783.4/45

All: 547.067 $\pm$ 1.168 χ^2 /NDF: 21223.5/94

- sign 554.391 $\pm$ 1.583 χ^2 /NDF: 13393.1/48

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 163.154 ± 3.113 $\chi^2/\text{NDF}: 819.2/20$

Left Out: 141.588 ± 1.698 $\chi^2/\text{NDF}: 959.6/24$

Right Out: 127.681 ± 2.760 $\chi^2/\text{NDF}: 1004.5/25$

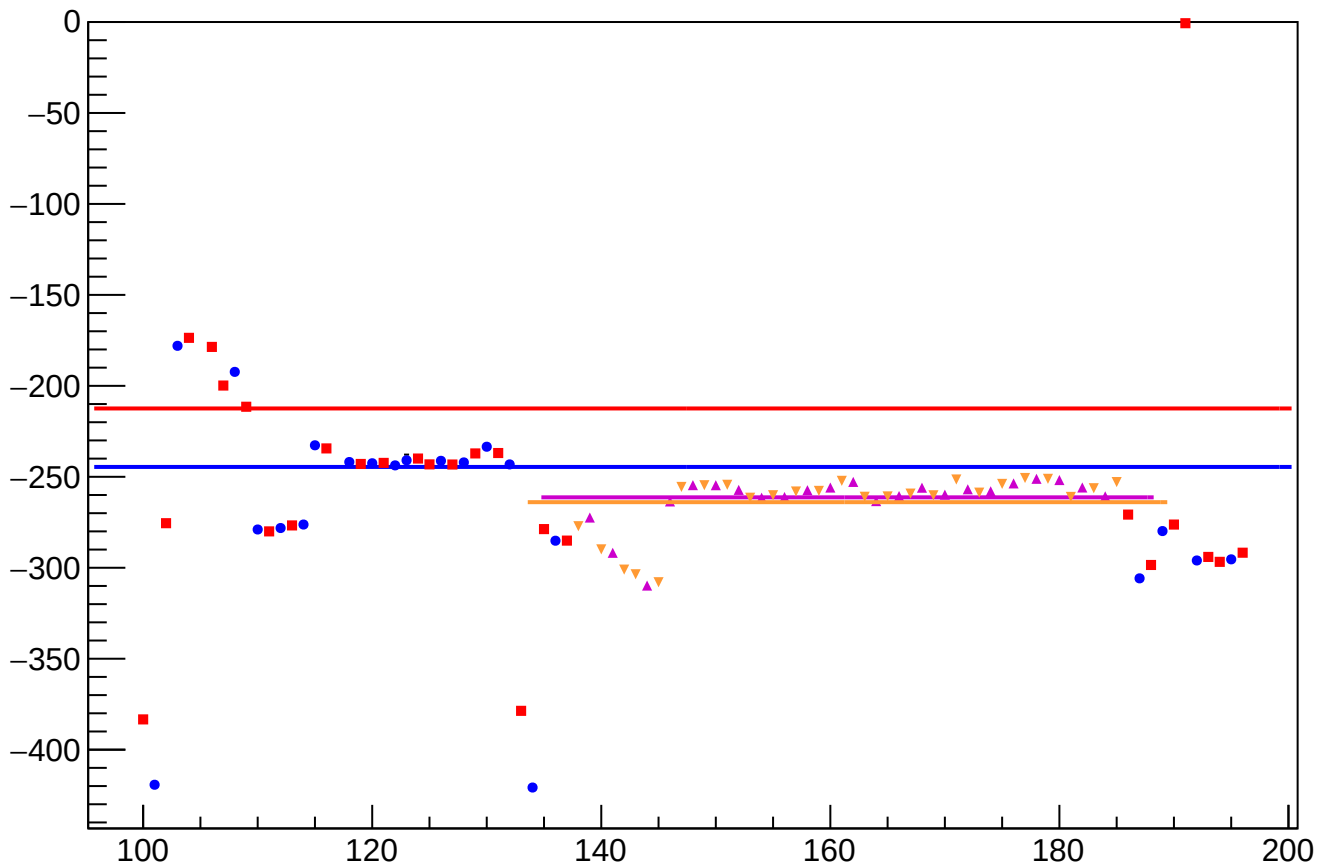
Left In: 141.360 ± 1.748 $\chi^2/\text{NDF}: 741.2/22$

+ sign 146.536 ± 1.491 $\chi^2/\text{NDF}: 1815.8/45$

All: 141.946 ± 1.049 $\chi^2/\text{NDF}: 3597.8/94$

- sign 137.444 ± 1.477 $\chi^2/\text{NDF}: 1763.2/48$

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -244.575 ± 0.151 χ^2/NDF : 180935.8/20

Left Out: -263.943 ± 0.081 χ^2/NDF : 39085.0/24

Right Out: -212.434 ± 0.130 χ^2/NDF : 461878.5/25

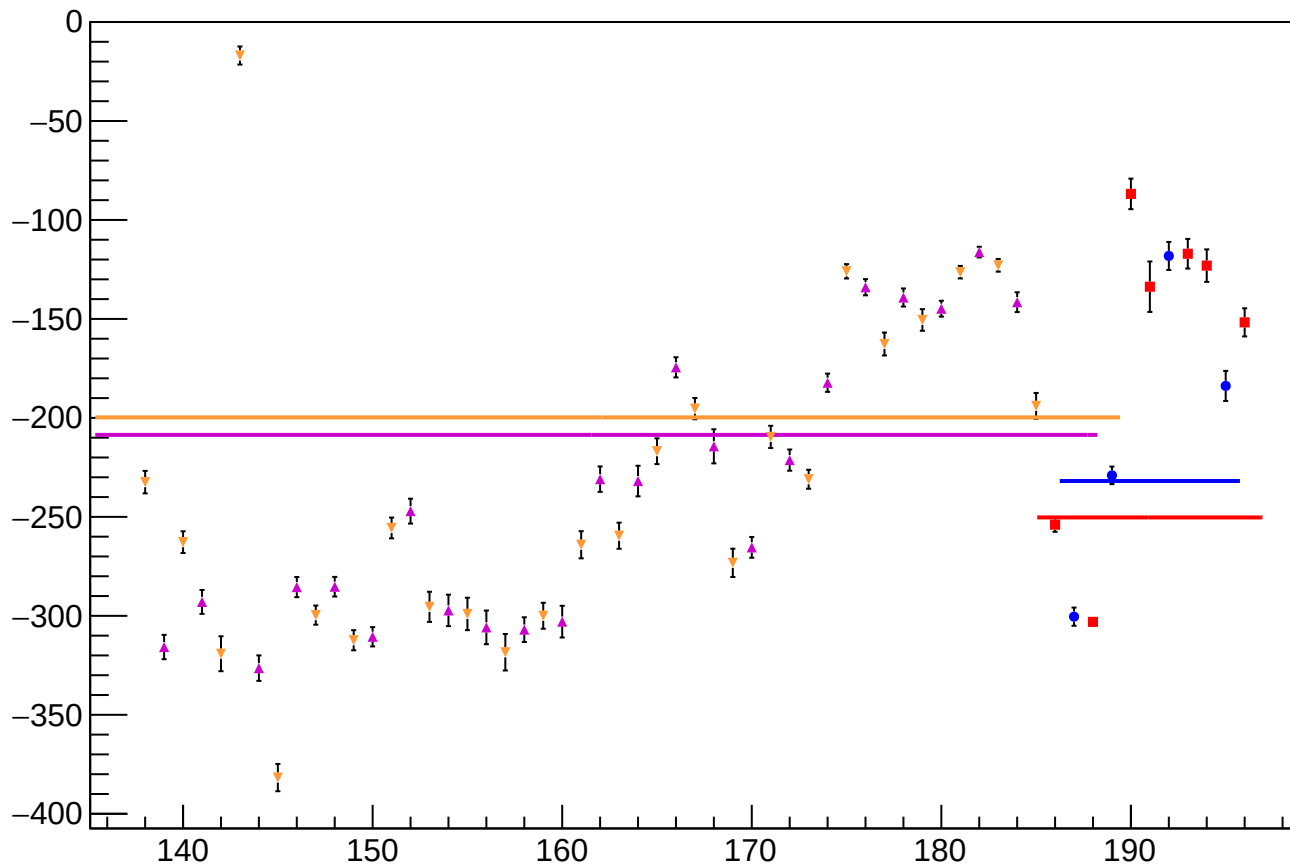
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -259.591 ± 0.072 χ^2/NDF : 232790.9/45

All: -253.260 ± 0.050 χ^2/NDF : 834702.1/94

- sign -247.324 ± 0.069 χ^2/NDF : 586735.9/48

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -231.877+/-2.715 χ^2/NDF : 521.5/3

Left Out: -199.741+/-1.061 χ^2/NDF : 6361.5/24

Right Out: -250.284+/-1.738 χ^2/NDF : 1777.3/6

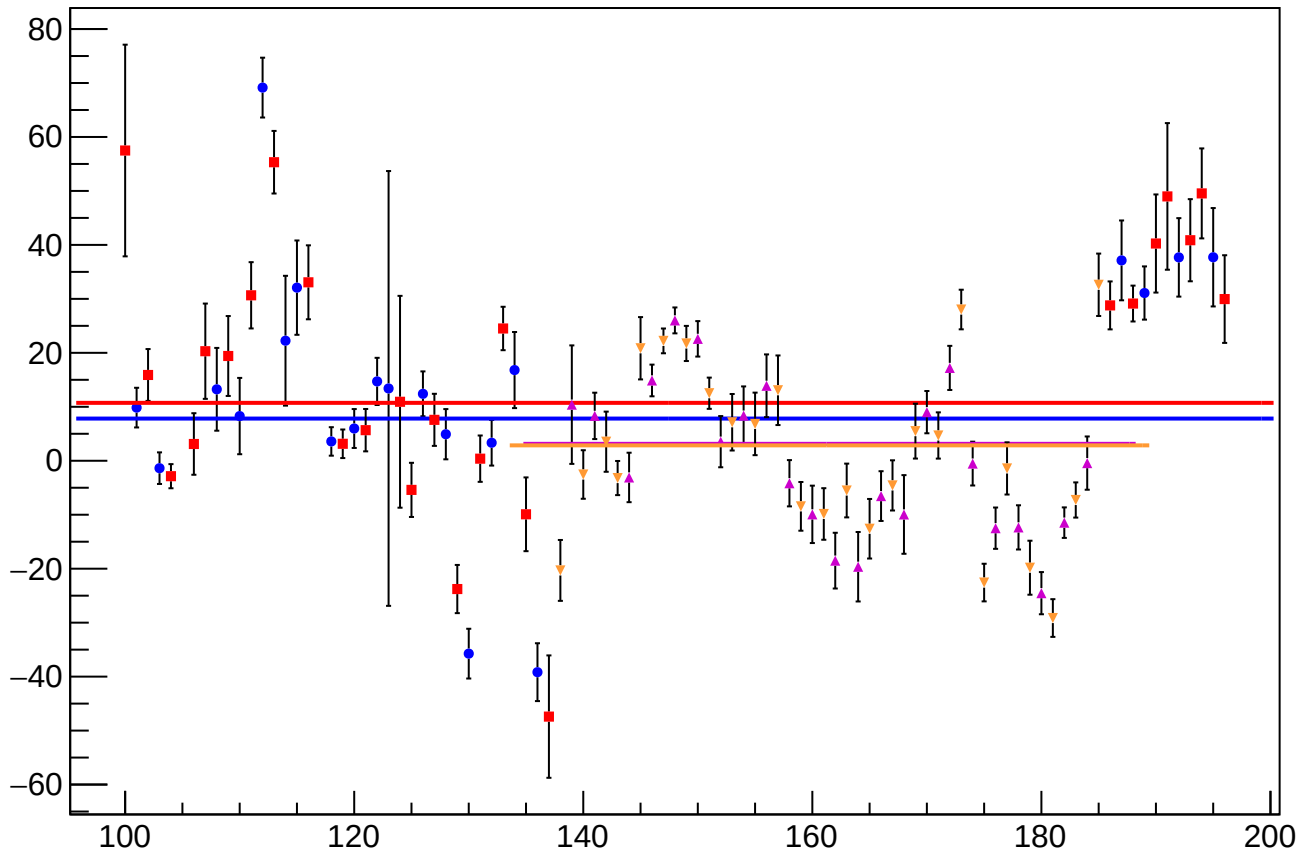
Left In: -208.579+/-1.082 χ^2/NDF : 4805.1/22

+ sign -204.001+/-0.988 χ^2/NDF : 7004.6/28

All: -212.707+/-0.673 χ^2/NDF : 14146.5/58

- sign -220.230+/-0.919 χ^2/NDF : 6997.2/29

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 7.819 ± 1.051 $\chi^2/\text{NDF}: 383.7/20$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 10.731 ± 0.963 $\chi^2/\text{NDF}: 370.3/25$

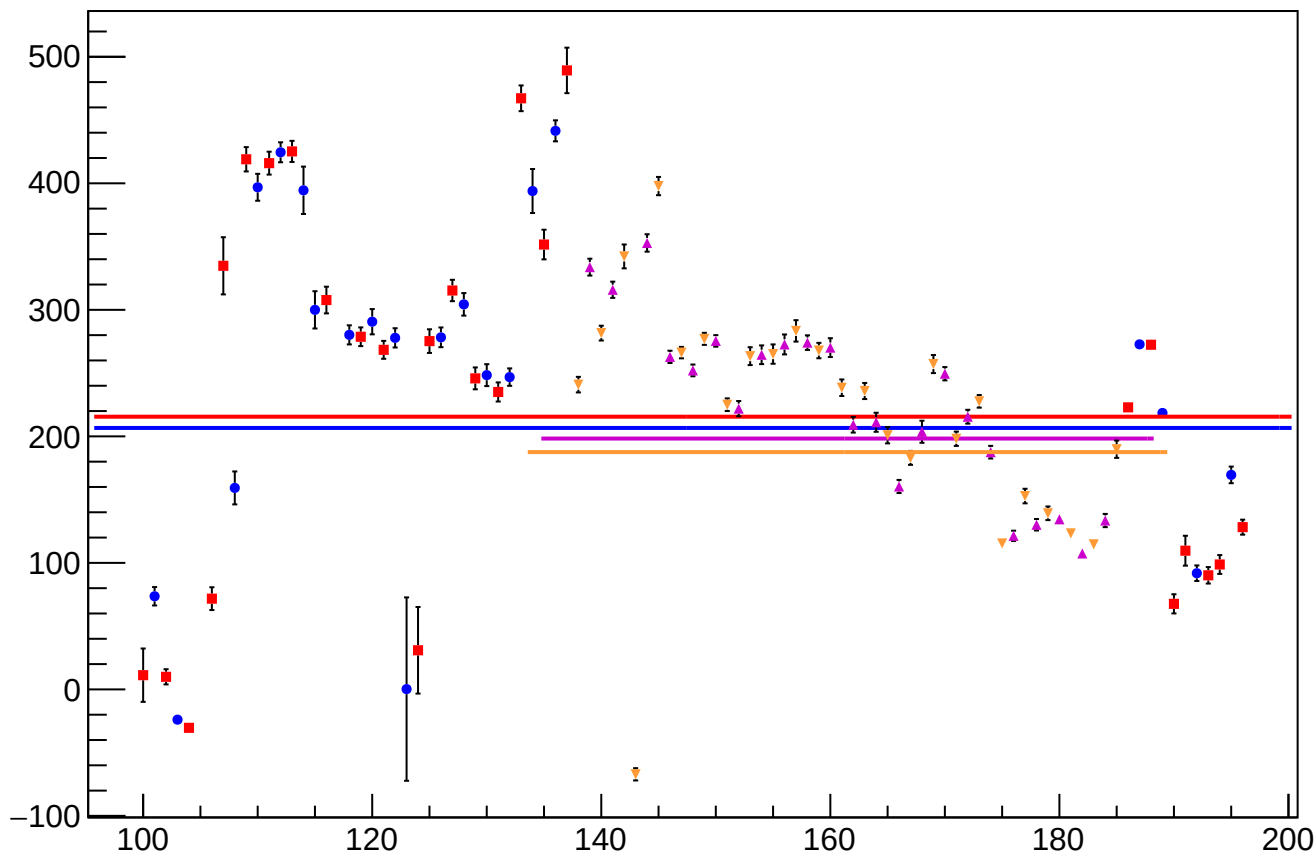
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 4.733 ± 0.646 $\chi^2/\text{NDF}: 817.4/45$

All: 5.621 ± 0.455 $\chi^2/\text{NDF}: 1546.0/94$

- sign 6.492 ± 0.640 $\chi^2/\text{NDF}: 724.8/48$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 206.653 ± 1.499 $\chi^2/\text{NDF}: 7424.5/20$

Left Out: 187.565 ± 1.066 $\chi^2/\text{NDF}: 7082.0/24$

Right Out: 215.544 ± 1.147 $\chi^2/\text{NDF}: 10551.3/25$

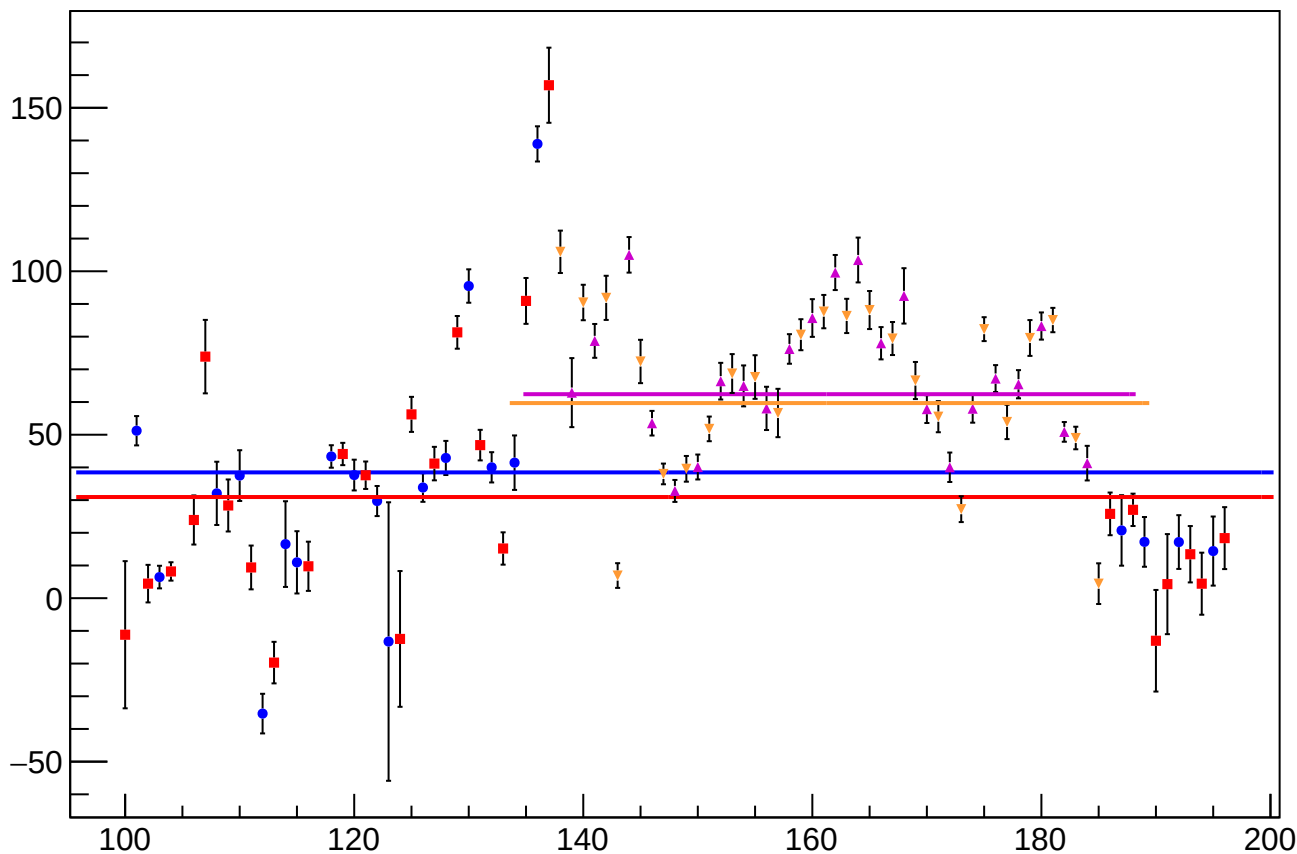
Left In: 198.269 ± 1.082 $\chi^2/\text{NDF}: 4515.8/22$

+ sign 193.972 ± 0.869 $\chi^2/\text{NDF}: 14614.1/45$

All: 200.800 ± 0.583 $\chi^2/\text{NDF}: 29913.7/94$

- sign 206.401 ± 0.787 $\chi^2/\text{NDF}: 15187.2/48$

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 38.477 ± 1.236 $\chi^2/\text{NDF}: 758.2/20$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 30.942 ± 1.158 $\chi^2/\text{NDF}: 578.2/25$

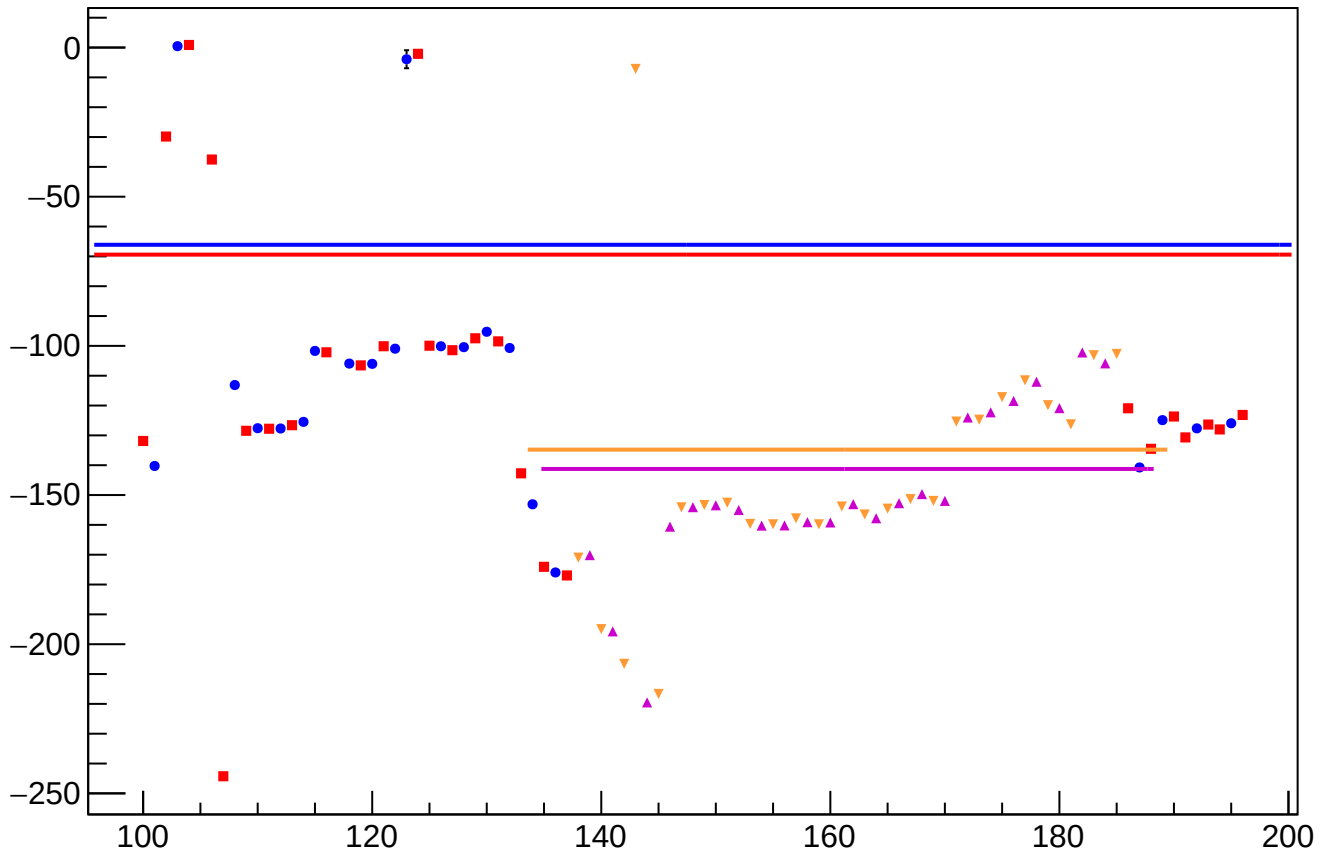
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 51.904 ± 0.749 $\chi^2/\text{NDF}: 1702.1/45$

All: 50.627 ± 0.528 $\chi^2/\text{NDF}: 3124.6/94$

- sign 49.362 ± 0.745 $\chi^2/\text{NDF}: 1416.7/48$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -66.114 ± 0.058 $\chi^2/\text{NDF}: 1253574.1/20$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -69.412 ± 0.054 $\chi^2/\text{NDF}: 1296026.7/25$

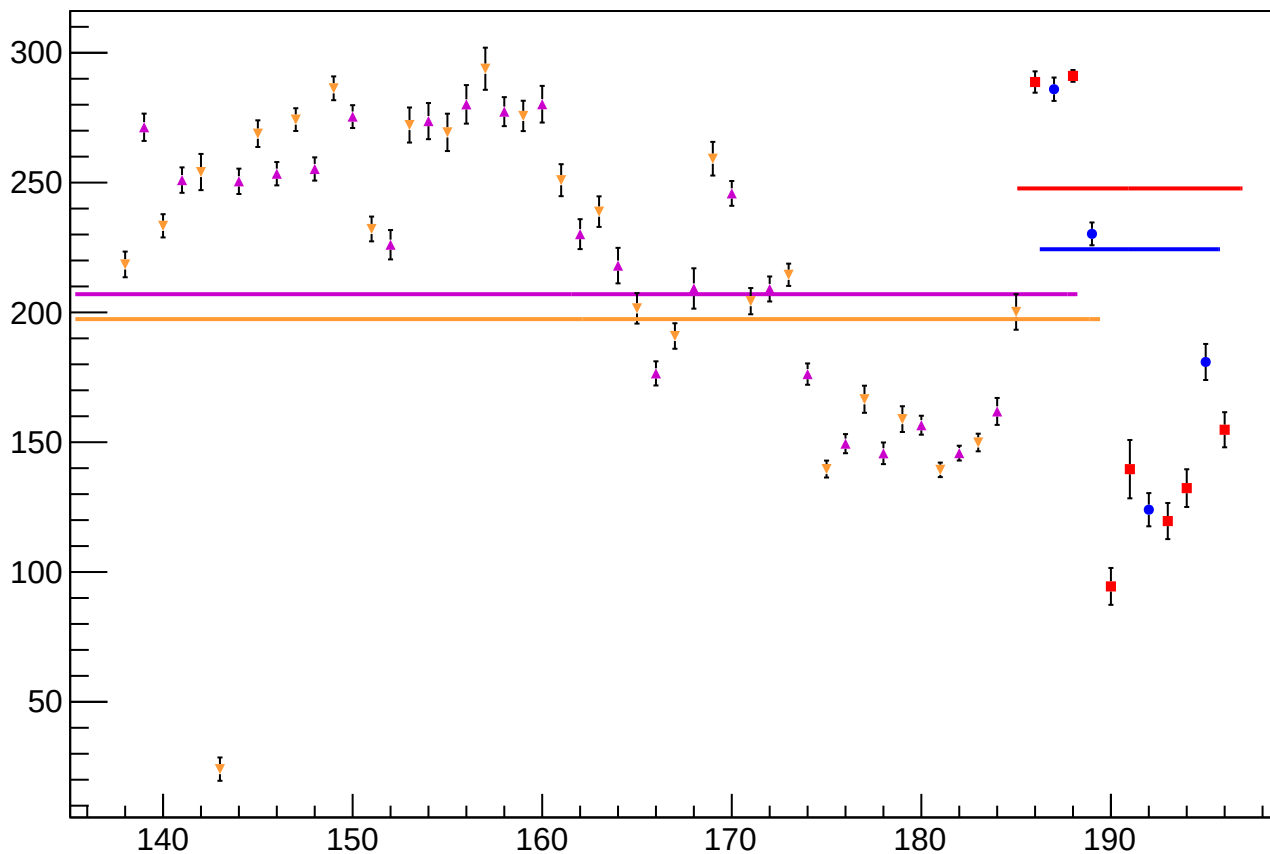
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -109.340 ± 0.035 $\chi^2/\text{NDF}: 2940337.4/45$

All: -110.452 ± 0.025 $\chi^2/\text{NDF}: 5626853.1/94$

- sign -111.524 ± 0.035 $\chi^2/\text{NDF}: 2684569.1/48$

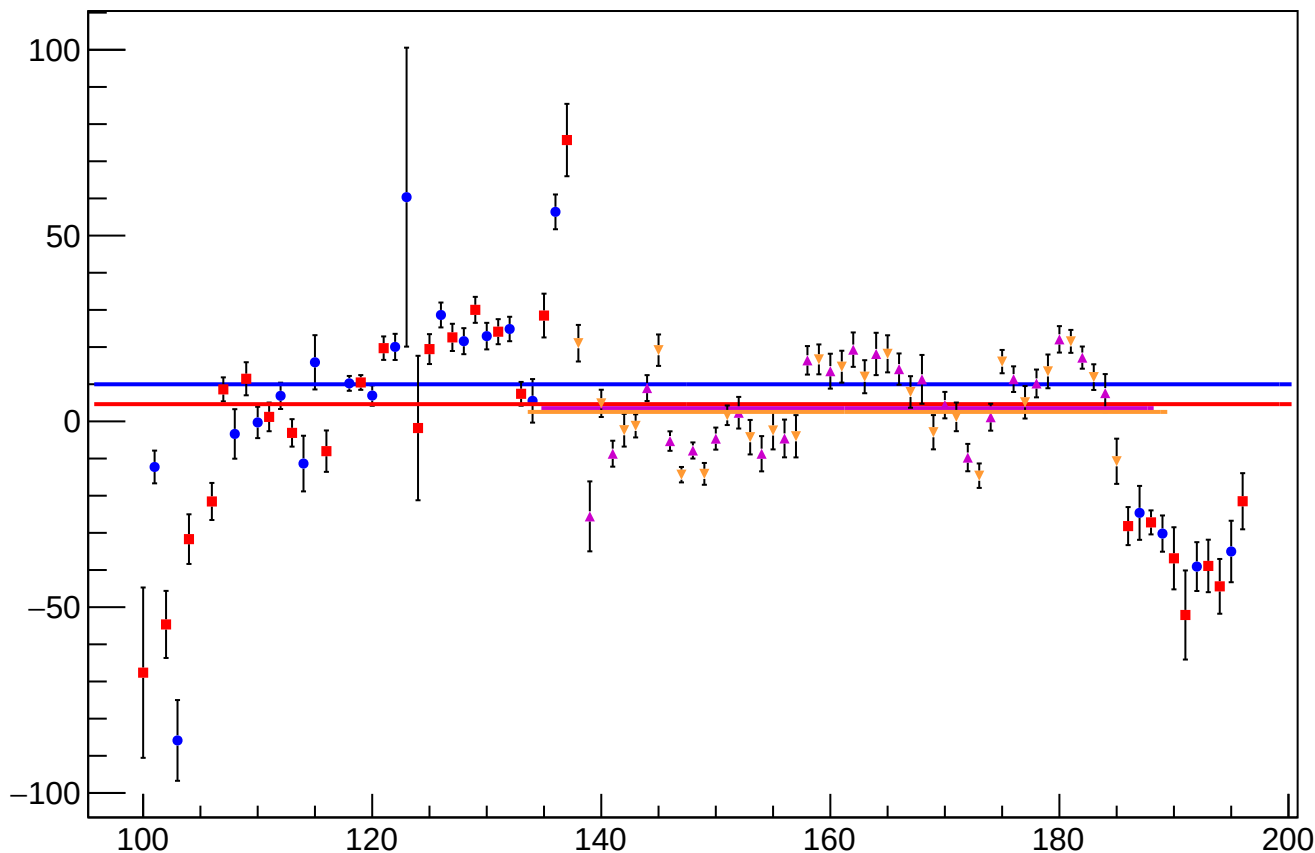
reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 224.328 $\pm$ 2.614 χ^2 /NDF: 474.7/3
 Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF:4384.2/24
 Right Out: 247.752 $\pm$ 1.713 χ^2 /NDF: 1801.0/6
 Left In: 207.014 $\pm$ 0.990 χ^2 /NDF:2611.5/22

+ sign 200.624 $\pm$ 0.904 χ^2 /NDF: 4952.3/28
 All: 209.359 $\pm$ 0.622 χ^2 /NDF: 9966.6/58
 - sign 217.222 $\pm$ 0.857 χ^2 /NDF: 4836.7/29

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 9.983 ± 0.900 $\chi^2/\text{NDF}: 484.2/20$

Left Out: 2.548 ± 0.741 $\chi^2/\text{NDF}: 275.4/24$

Right Out: 4.637 ± 0.843 $\chi^2/\text{NDF}: 629.3/25$

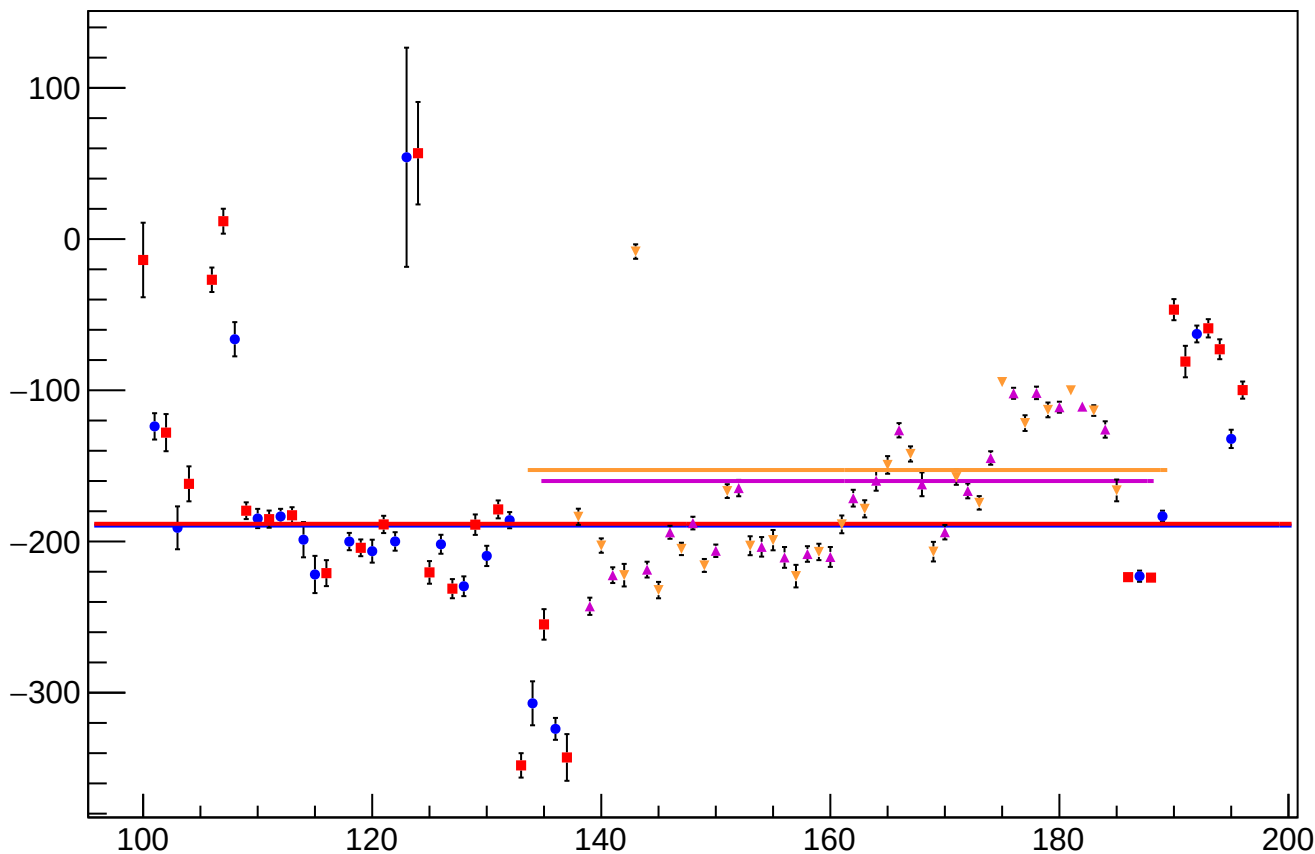
Left In: 3.559 ± 0.774 $\chi^2/\text{NDF}: 192.0/22$

+ sign 5.552 ± 0.572 $\chi^2/\text{NDF}: 800.4/45$

All: 4.800 ± 0.404 $\chi^2/\text{NDF}: 1626.0/94$

- sign 4.052 ± 0.570 $\chi^2/\text{NDF}: 822.2/48$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -189.470 ± 1.395 χ^2/NDF : 1361.9/20

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -188.296 ± 1.088 χ^2/NDF : 3763.9/25

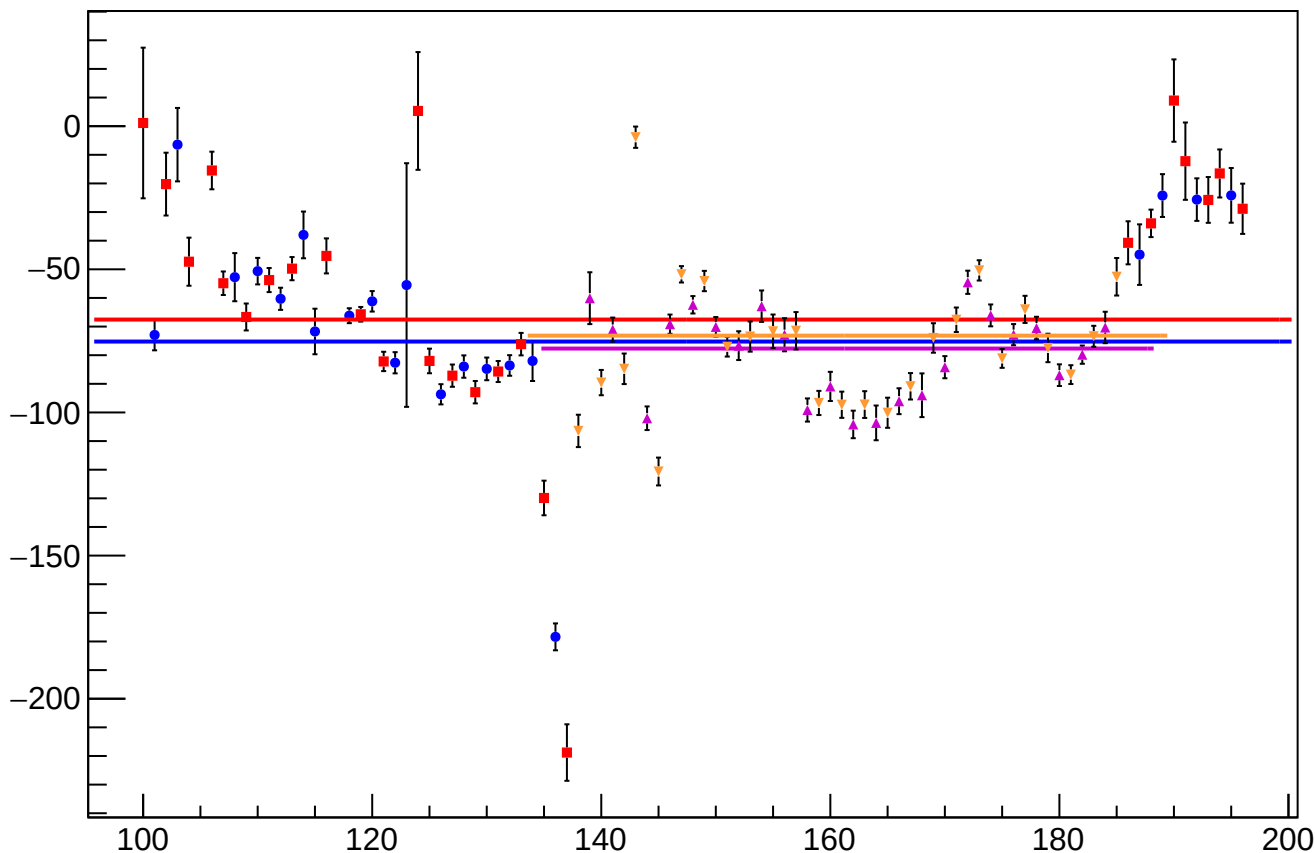
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -164.661 ± 0.795 χ^2/NDF : 4908.1/45

All: -169.073 ± 0.538 χ^2/NDF : 11123.4/94

- sign -172.813 ± 0.732 χ^2/NDF : 6158.3/48

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -75.233 ± 1.050 χ^2/NDF : 785.9/20

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -67.549 ± 0.993 χ^2/NDF : 818.4/25

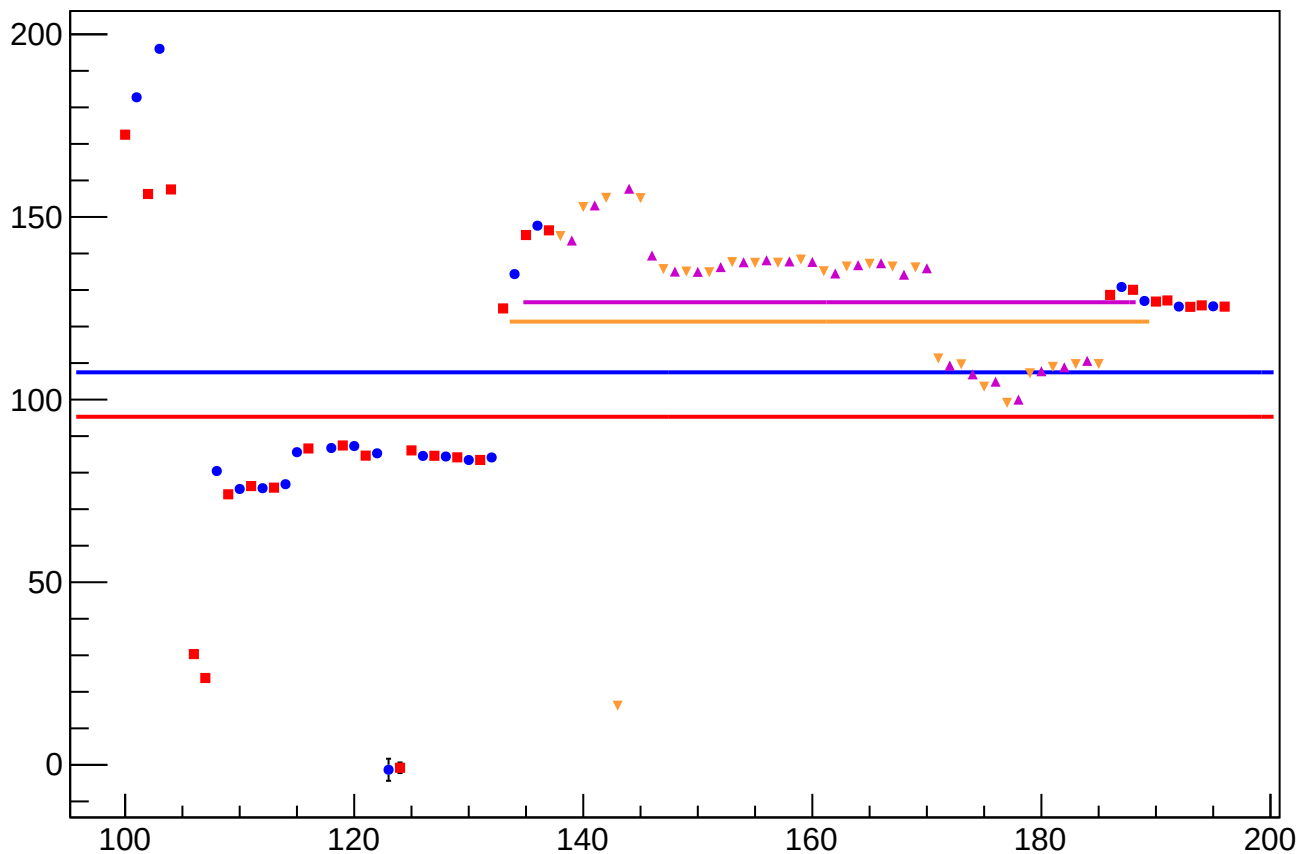
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -73.985 ± 0.661 χ^2/NDF : 1576.8/45

All: -73.594 ± 0.467 χ^2/NDF : 2702.3/94

- sign -73.204 ± 0.660 χ^2/NDF : 1124.8/48

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 107.467 $\pm$ 0.065 χ^2 /NDF: 290373.3/20

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 95.303 $\pm$ 0.055 χ^2 /NDF: 528161.4/25

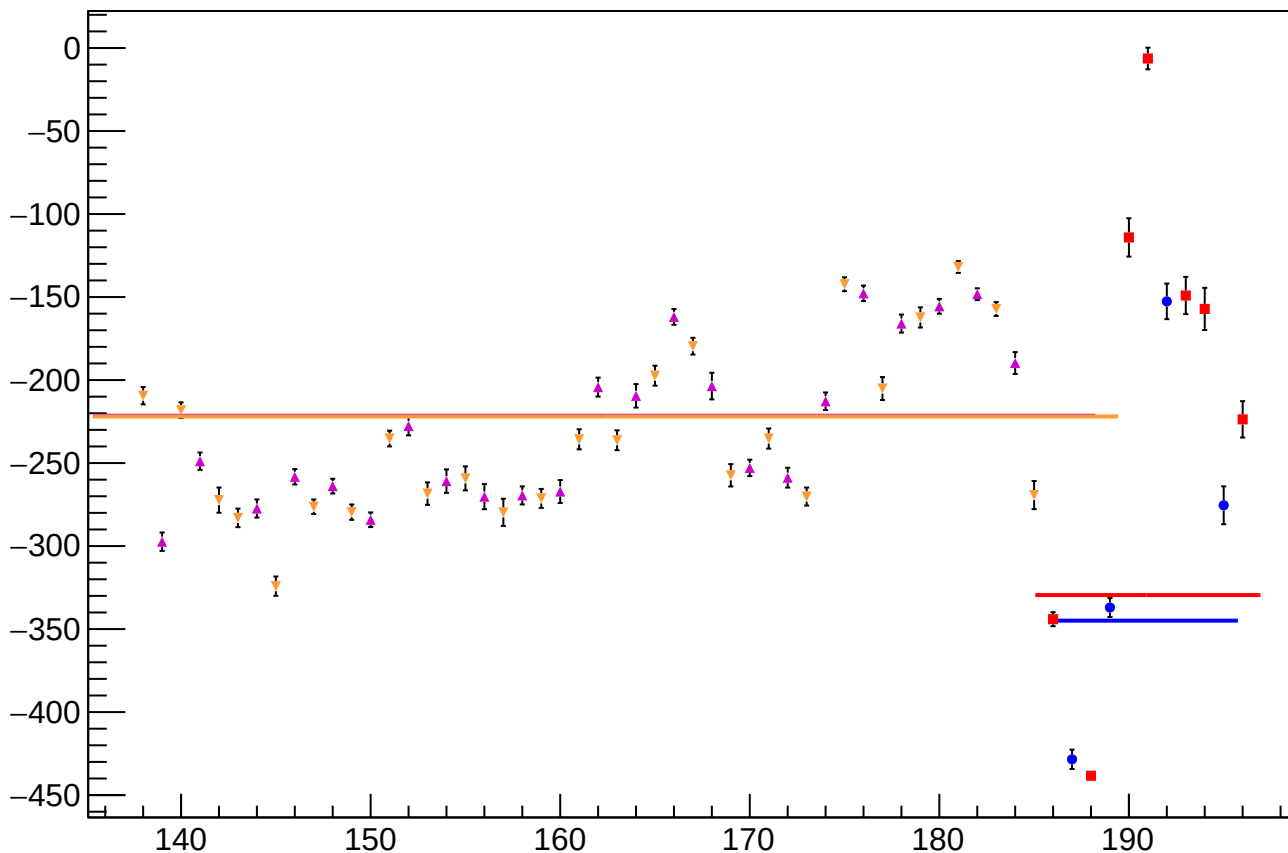
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 117.457 $\pm$ 0.034 χ^2 /NDF: 805686.2/45

All: 116.469 $\pm$ 0.024 χ^2 /NDF: 1704845.5/94

- sign 115.548 $\pm$ 0.033 χ^2 /NDF: 897545.3/48

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -344.912 ± 3.612 $\chi^2/\text{NDF}: 567.0/3$

Left Out: -221.934 ± 1.084 $\chi^2/\text{NDF}: 2578.4/24$

Right Out: -329.501 ± 2.139 $\chi^2/\text{NDF}: 4641.7/6$

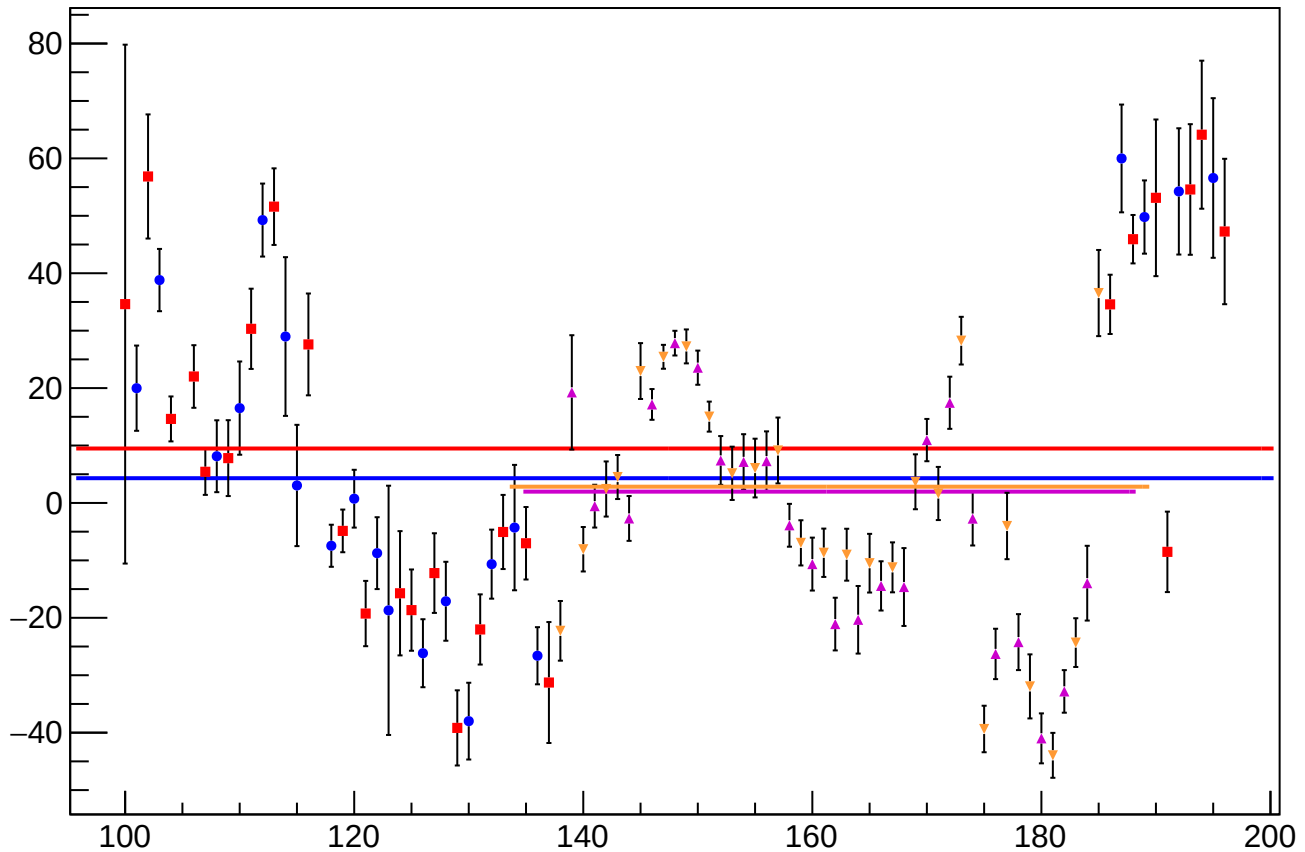
Left In: -221.483 ± 1.102 $\chi^2/\text{NDF}: 2149.8/22$

+ sign -232.103 ± 1.039 $\chi^2/\text{NDF}: 4208.7/28$

All: -238.475 ± 0.713 $\chi^2/\text{NDF}: 13086.4/58$

- sign -244.147 ± 0.980 $\chi^2/\text{NDF}: 8806.6/29$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 4.310 ± 1.456 $\chi^2/\text{NDF}: 359.7/20$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 9.480 ± 1.241 $\chi^2/\text{NDF}: 418.6/25$

Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 3.179 ± 0.706 $\chi^2/\text{NDF}: 1047.4/45$

All: 3.754 ± 0.494 $\chi^2/\text{NDF}: 2081.6/94$

- sign 4.308 ± 0.693 $\chi^2/\text{NDF}: 1032.9/48$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 370.310 $\pm$ 2.046 χ^2 /NDF: 3142.4/20

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF:2597.4/24

Right Out: 347.568 $\pm$ 1.452 χ^2 /NDF: 9075.1/25

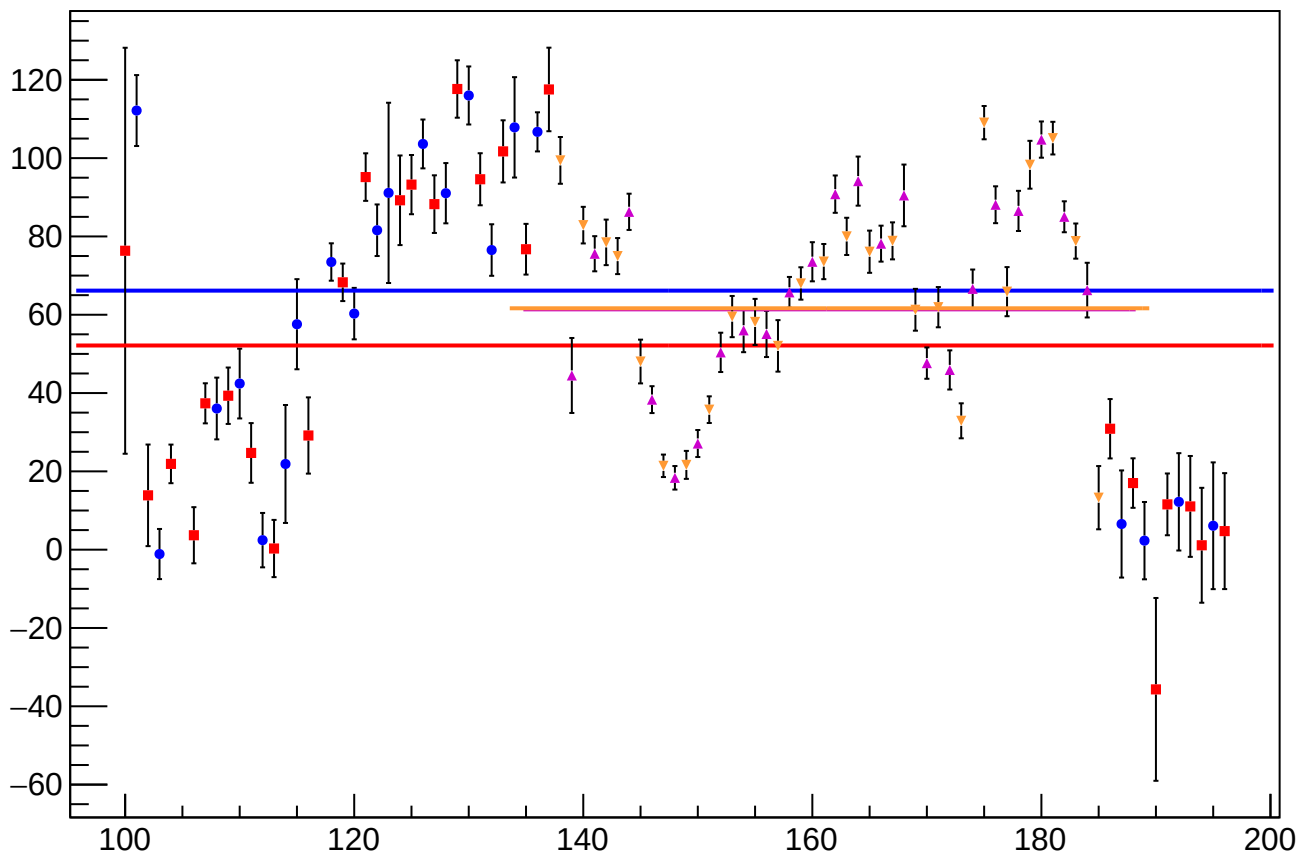
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF:2236.7/22

+ sign 272.522 $\pm$ 0.957 χ^2 /NDF: 8662.1/45

All: 277.189 $\pm$ 0.645 χ^2 /NDF: 23303.4/94

- sign 281.082 $\pm$ 0.874 χ^2 /NDF: 14597.7/48

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 66.160 $\pm$ 1.701 χ^2 /NDF: 525.0/20

Left Out: 61.647 $\pm$ 0.936 χ^2 /NDF: 871.5/24

Right Out: 52.147 $\pm$ 1.490 χ^2 /NDF: 621.6/25

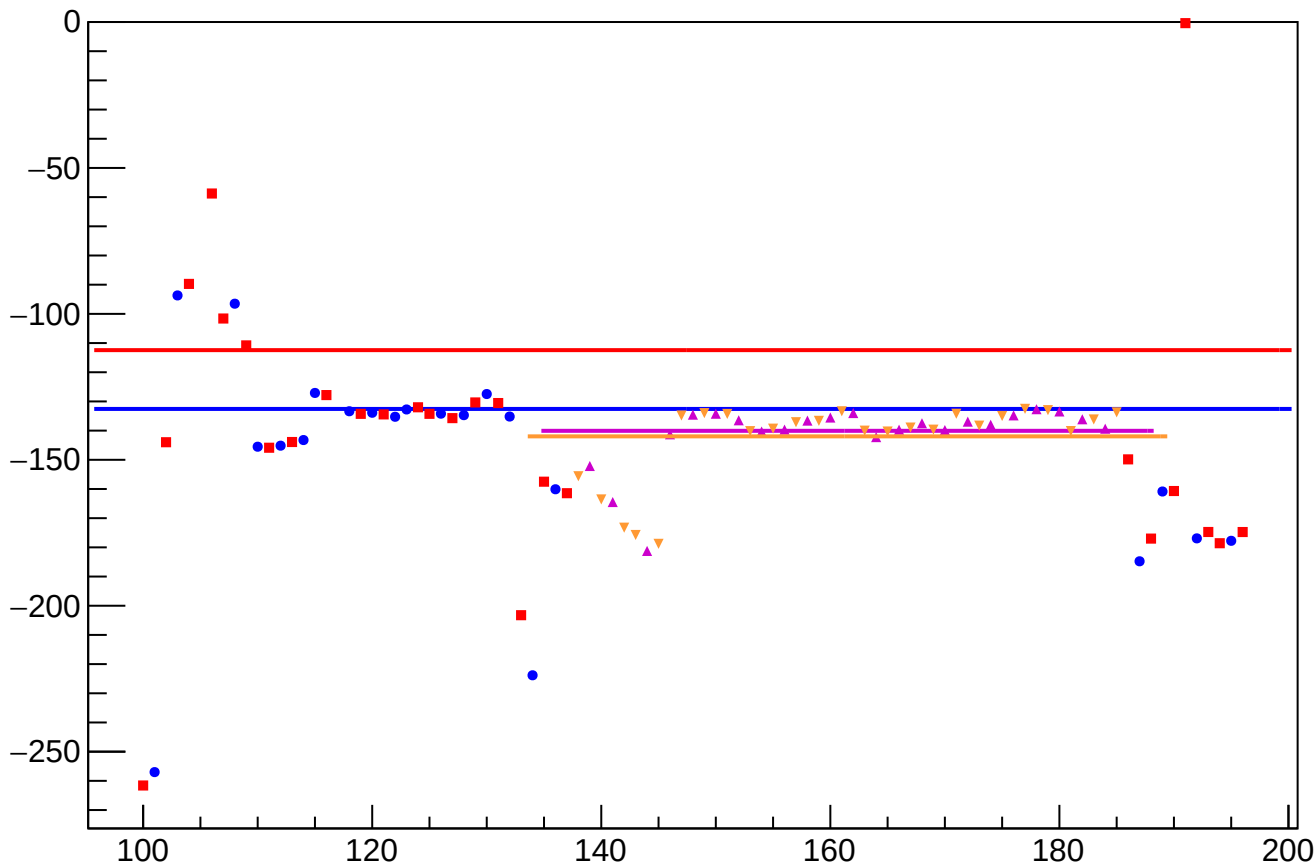
Left In: 61.375 $\pm$ 0.961 χ^2 /NDF: 699.7/22

+ sign 62.697 $\pm$ 0.820 χ^2 /NDF: 1402.0/45

All: 60.650 $\pm$ 0.575 χ^2 /NDF: 2762.6/94

- sign 58.664 $\pm$ 0.808 χ^2 /NDF: 1348.4/48

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -132.570 ± 0.084 $\chi^2/\text{NDF}: 200032.7/20$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -112.425 ± 0.071 $\chi^2/\text{NDF}: 550864.4/25$

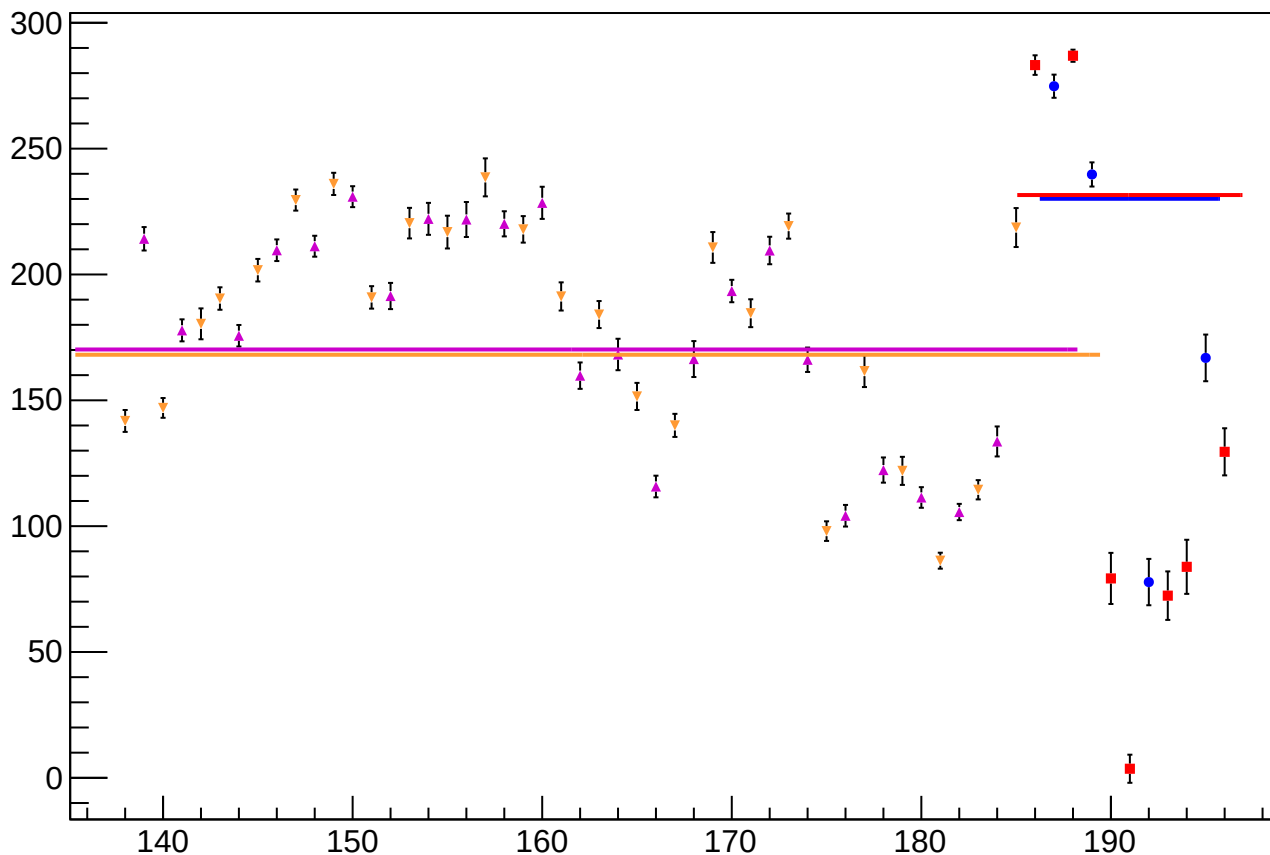
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -139.908 ± 0.039 $\chi^2/\text{NDF}: 289978.1/45$

All: -135.902 ± 0.027 $\chi^2/\text{NDF}: 1016332.1/94$

- sign -132.183 ± 0.038 $\chi^2/\text{NDF}: 706514.0/48$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 230.078 ± 2.961 $\chi^2/\text{NDF}: 418.5/3$

Left Out: 168.106 ± 0.970 $\chi^2/\text{NDF}: 2468.8/24$

Right Out: 231.563 ± 1.793 $\chi^2/\text{NDF}: 3175.8/6$

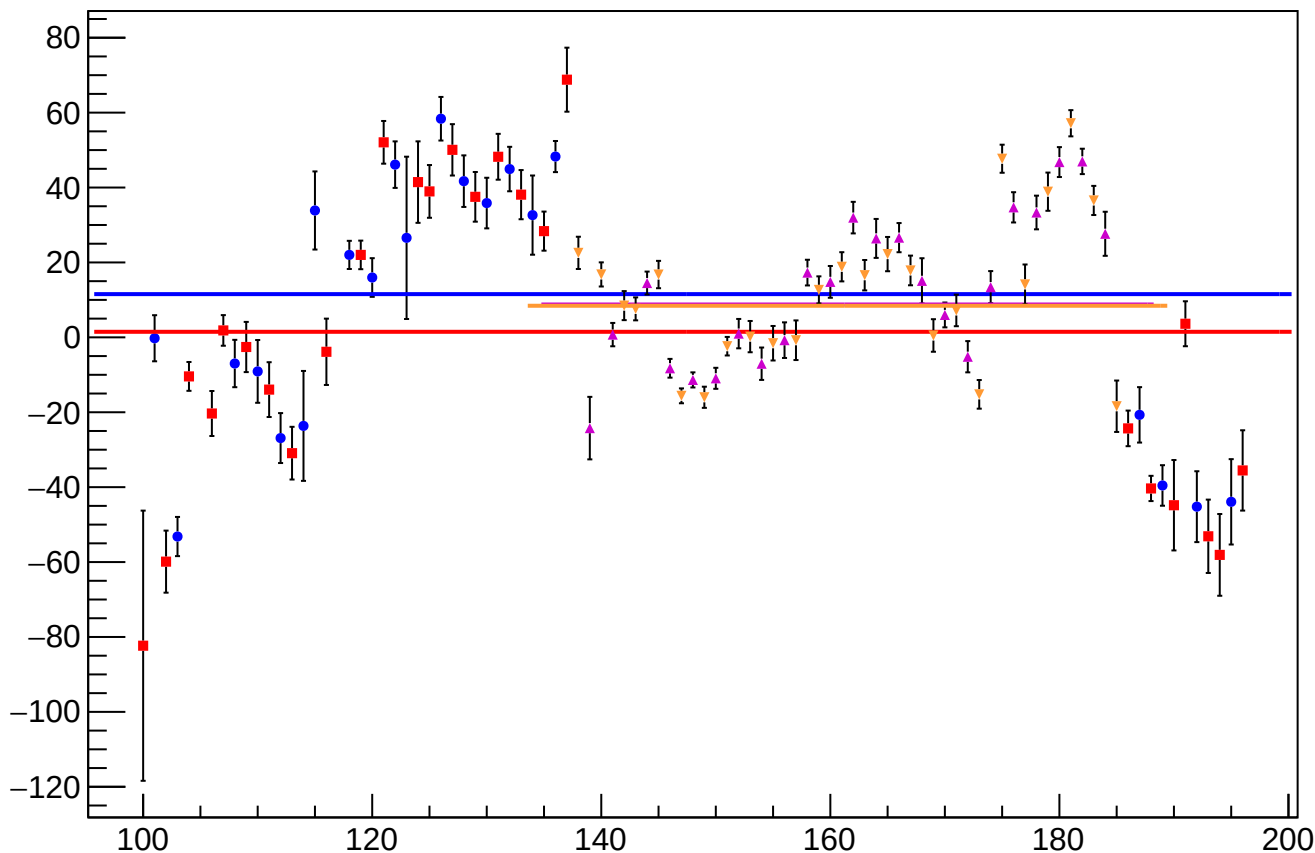
Left In: 170.198 ± 0.995 $\chi^2/\text{NDF}: 2024.5/22$

+ sign 174.115 ± 0.922 $\chi^2/\text{NDF}: 3282.9/28$

All: 179.686 ± 0.633 $\chi^2/\text{NDF}: 9447.3/58$

- sign 184.650 ± 0.870 $\chi^2/\text{NDF}: 6095.4/29$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 11.541 ± 1.395 χ^2/NDF : 633.3/20

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: 1.481 ± 1.186 χ^2/NDF : 787.7/25

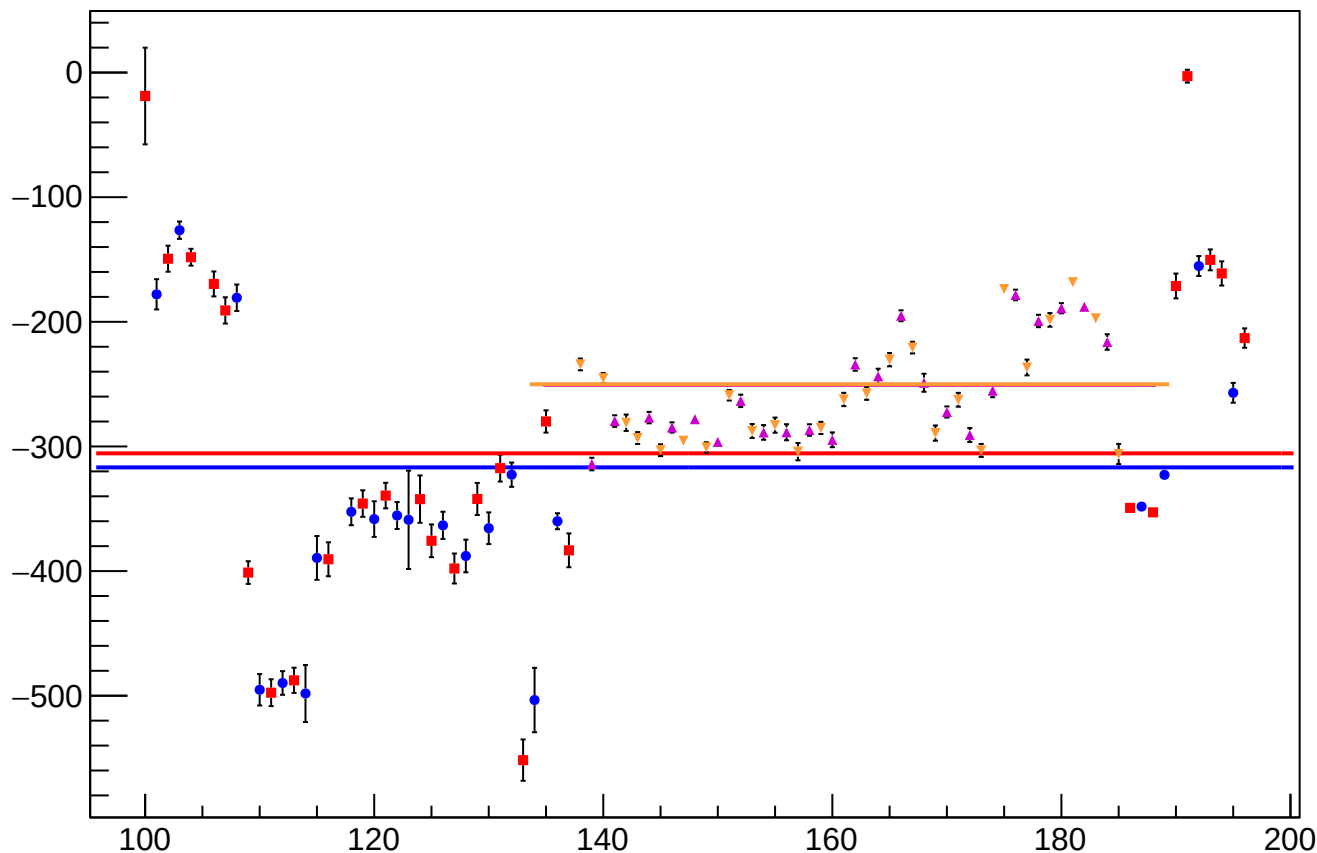
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 9.101 ± 0.645 χ^2/NDF : 1389.2/45

All: 7.865 ± 0.454 χ^2/NDF : 2837.7/94

- sign 6.654 ± 0.639 χ^2/NDF : 1441.3/48

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -316.801 ± 1.816 χ^2/NDF : 2387.8/20

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -305.529 ± 1.273 χ^2/NDF : 7410.6/25

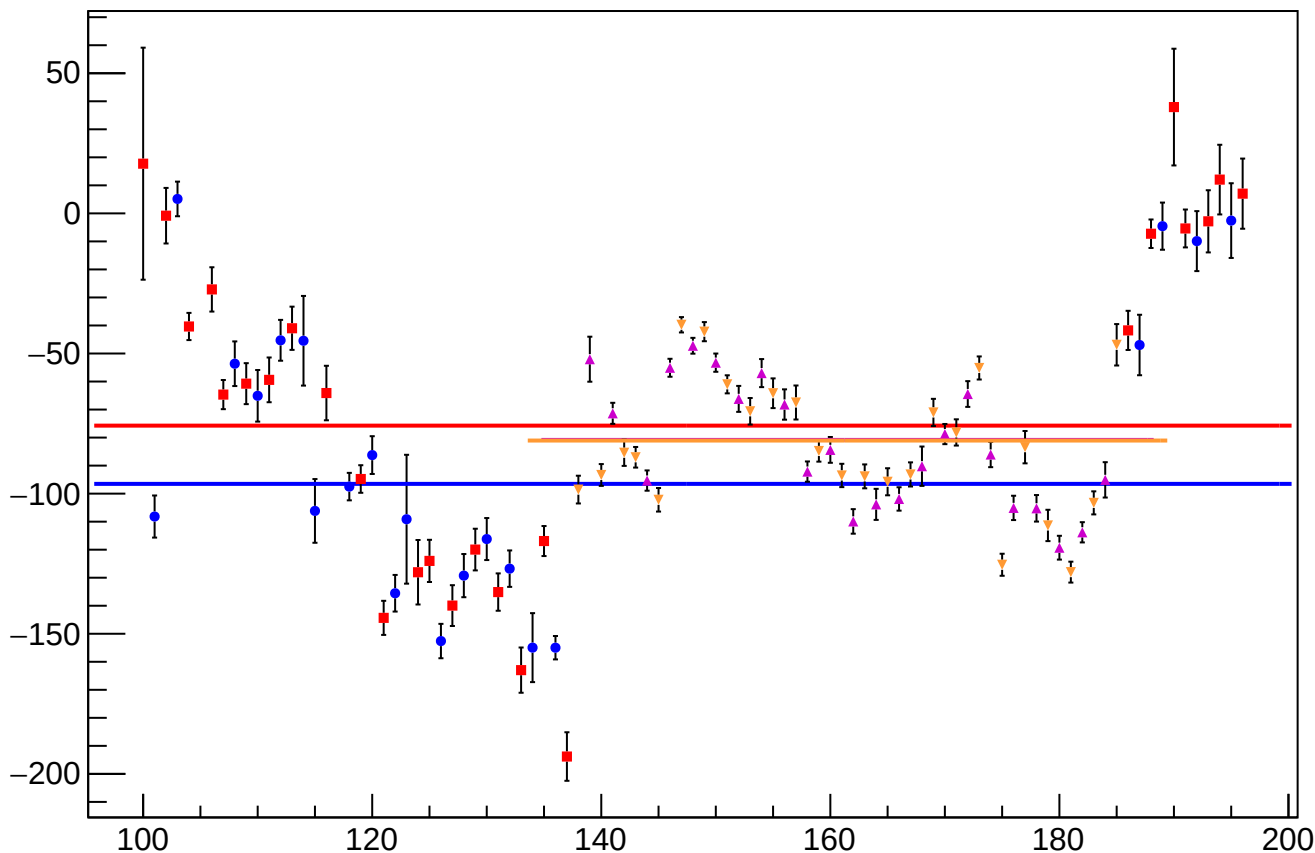
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.974 ± 0.857 χ^2/NDF : 5682.5/45

All: -268.439 ± 0.578 χ^2/NDF : 16218.5/94

- sign -271.322 ± 0.782 χ^2/NDF : 10506.0/48

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -96.518 ± 1.629 $\chi^2/\text{NDF}: 1017.1/20$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -75.734 ± 1.430 $\chi^2/\text{NDF}: 1426.1/25$

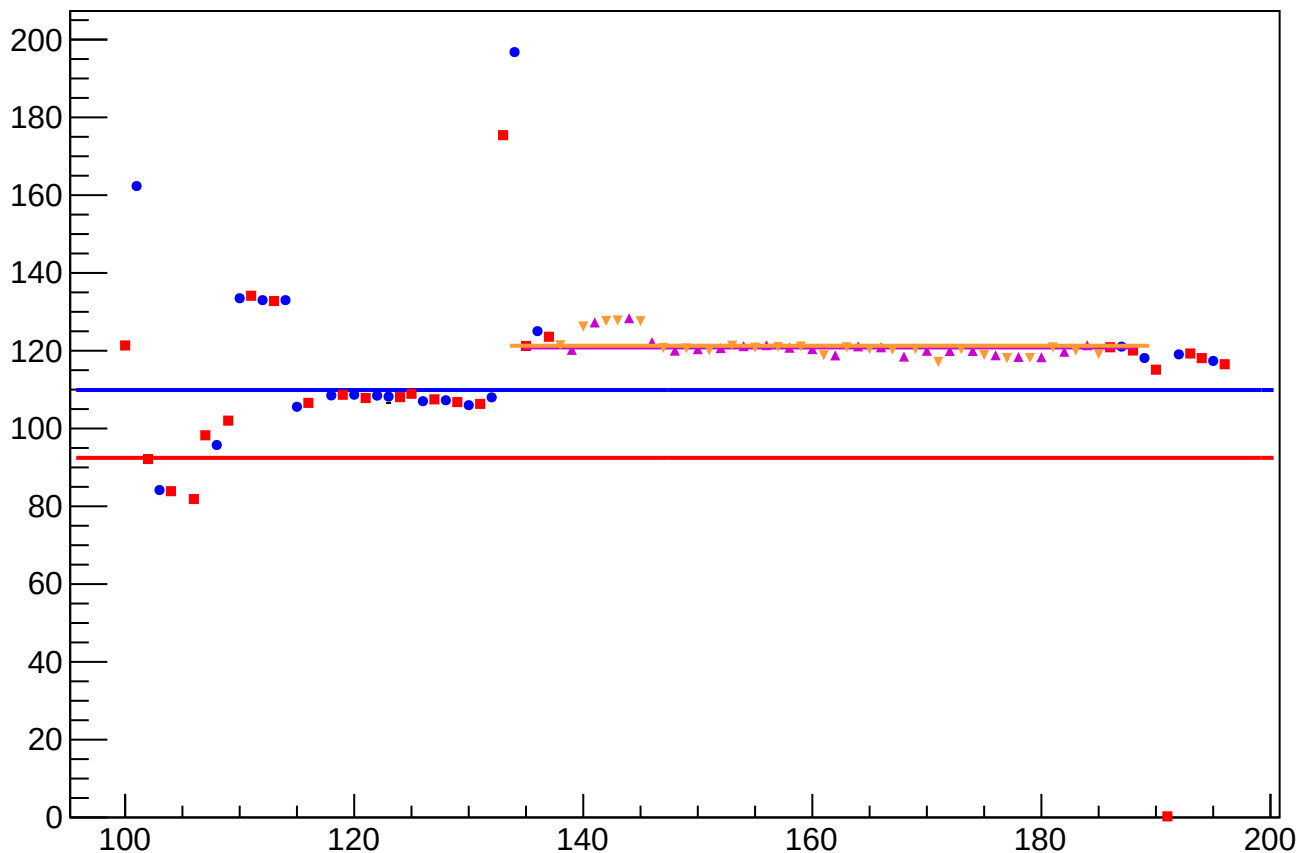
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -84.323 ± 0.749 $\chi^2/\text{NDF}: 2001.2/45$

All: -81.874 ± 0.528 $\chi^2/\text{NDF}: 4151.0/94$

- sign -79.452 ± 0.744 $\chi^2/\text{NDF}: 2128.5/48$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 109.900 $\pm$ 0.079 χ^2 /NDF: 75329.8/20

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 92.459 $\pm$ 0.066 χ^2 /NDF: 345826.1/25

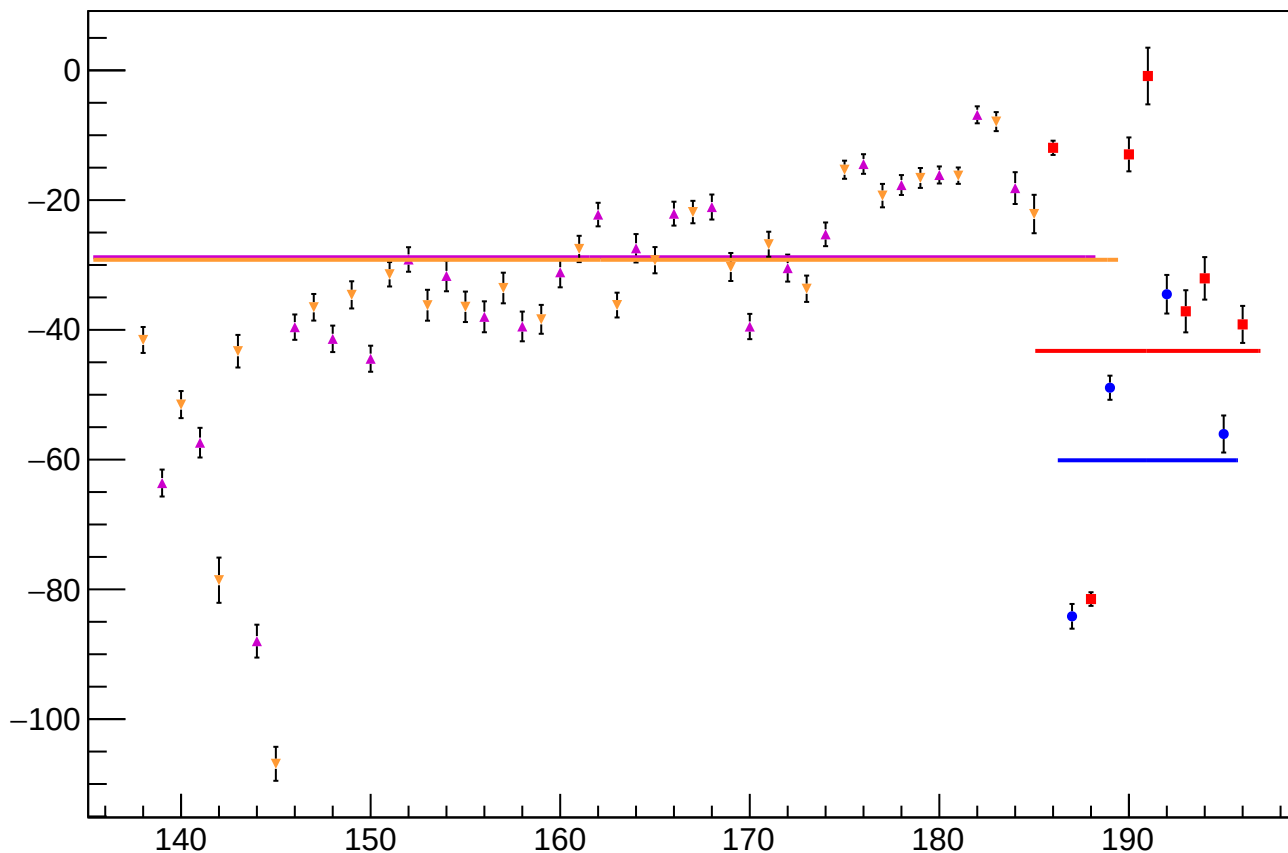
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.941 $\pm$ 0.036 χ^2 /NDF: 96848.9/45

All: 115.902 $\pm$ 0.025 χ^2 /NDF: 593735.8/94

- sign 113.045 $\pm$ 0.035 χ^2 /NDF: 482861.5/48

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -60.104 ± 1.118 $\chi^2/\text{NDF}: 271.4/3$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -43.243 ± 0.667 $\chi^2/\text{NDF}: 2387.2/6$

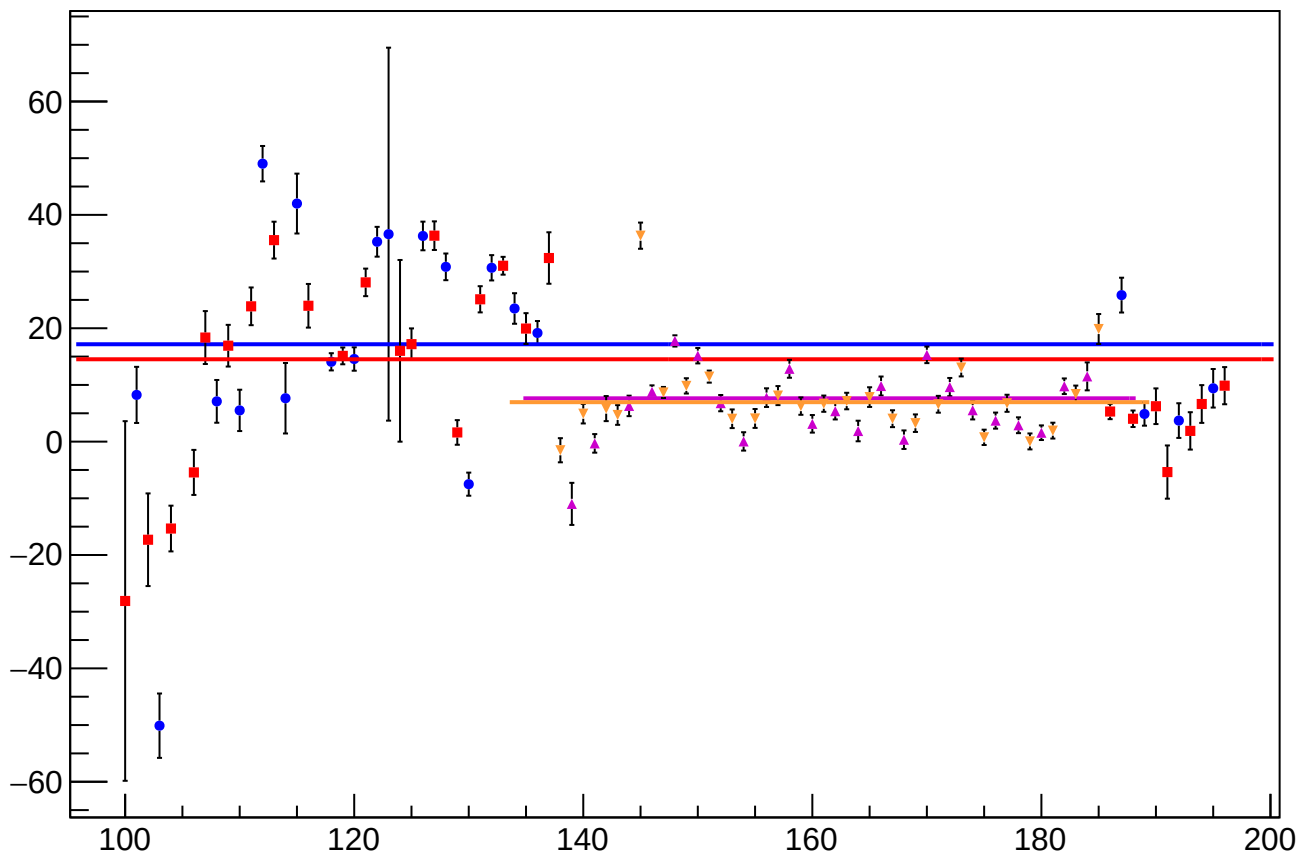
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -32.530 ± 0.367 $\chi^2/\text{NDF}: 2834.7/28$

All: -32.547 ± 0.249 $\chi^2/\text{NDF}: 7332.1/58$

- sign -32.561 ± 0.340 $\chi^2/\text{NDF}: 4497.4/29$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 17.177 ± 0.590 χ^2/NDF : 691.4/20

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 14.527 ± 0.509 χ^2/NDF : 592.7/25

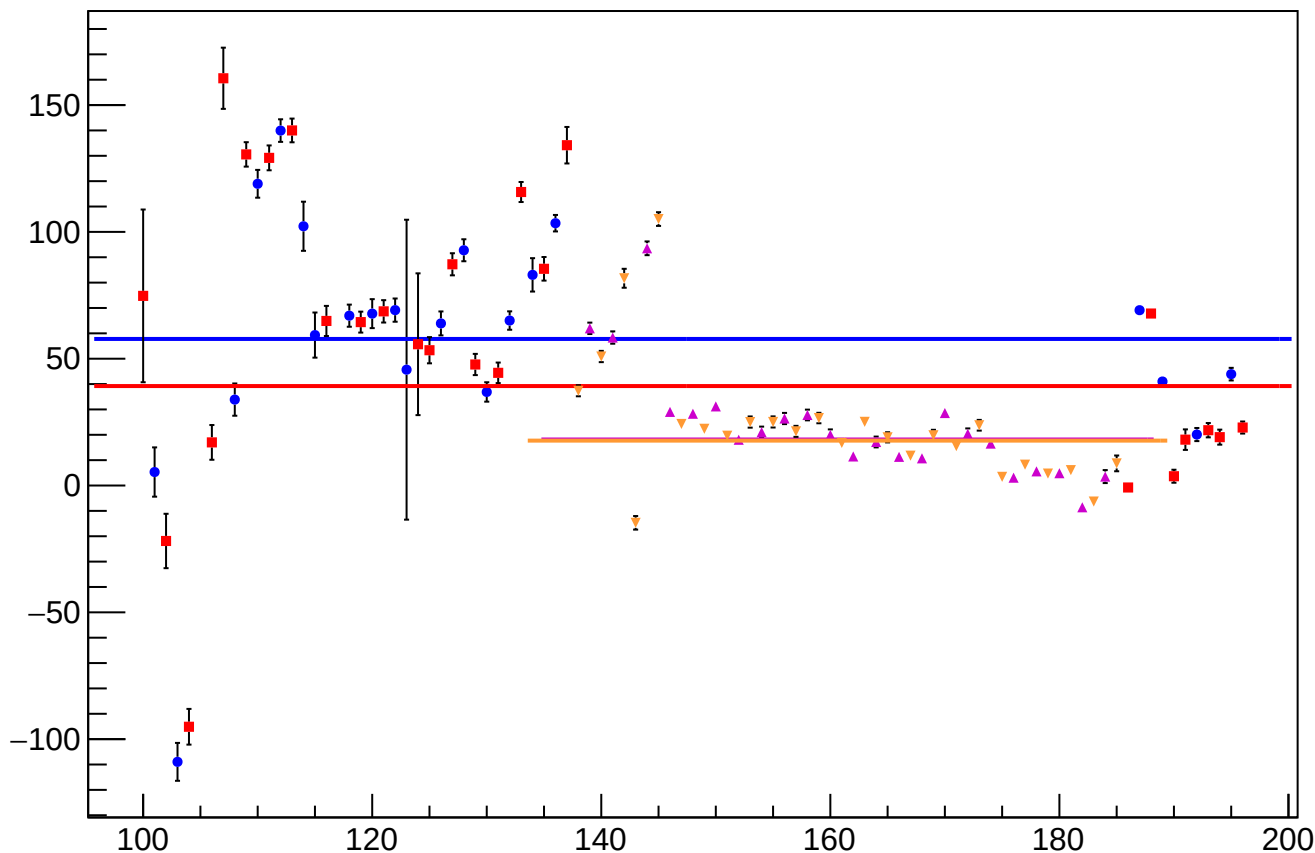
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 9.092 ± 0.270 χ^2/NDF : 1250.0/45

All: 9.315 ± 0.190 χ^2/NDF : 2314.7/94

- sign 9.534 ± 0.267 χ^2/NDF : 1063.3/48

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 57.791+/-0.751 χ^2/NDF : 1764.0/20

Left Out: 17.705+/-0.387 χ^2/NDF : 2432.2/24

Right Out: 39.214+/-0.500 χ^2/NDF : 6127.2/25

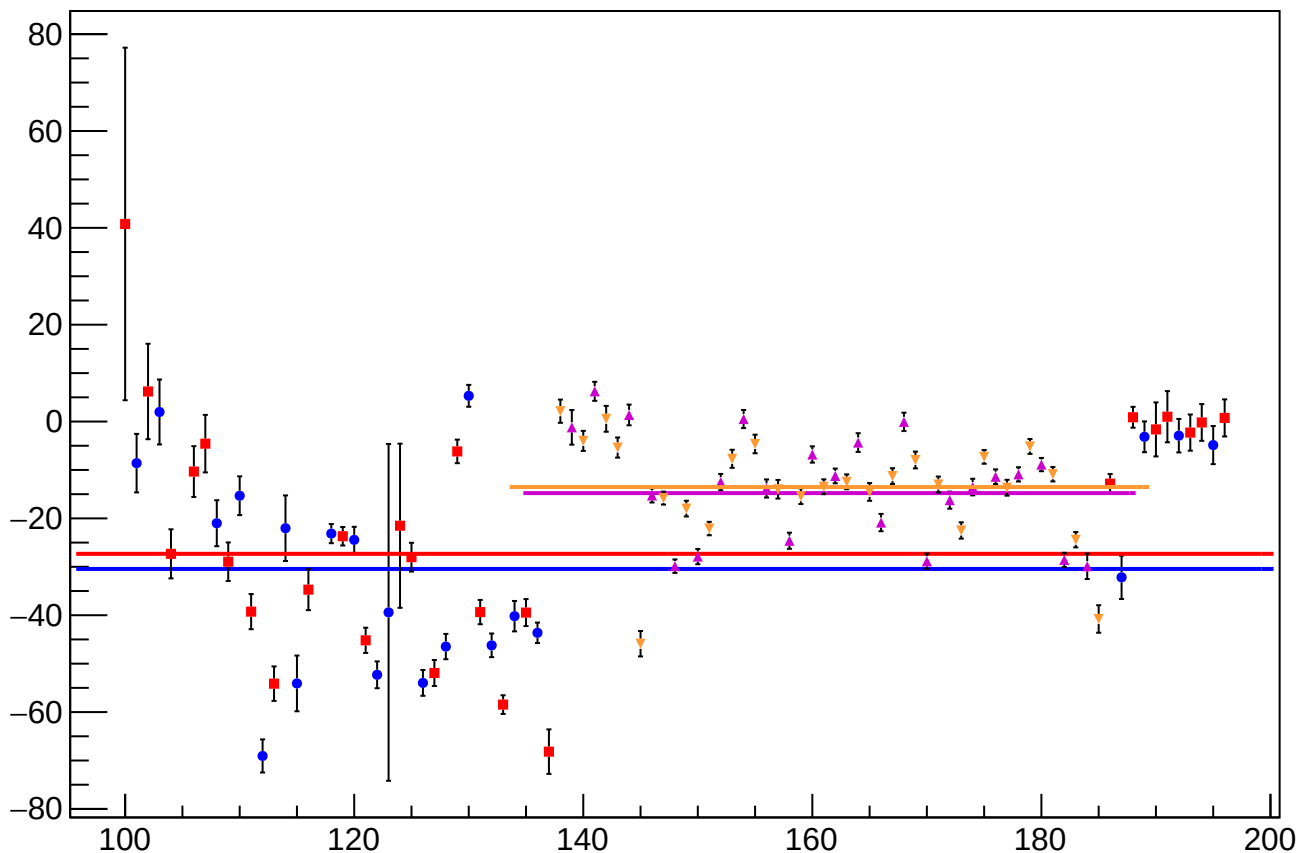
Left In: 18.150+/-0.393 χ^2/NDF : 2339.4/22

+ sign 26.131+/-0.344 χ^2/NDF : 6448.9/45

All: 26.156+/-0.230 χ^2/NDF : 16012.4/94

- sign 26.175+/-0.309 χ^2/NDF : 9563.5/48

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -30.439 ± 0.691 χ^2/NDF : 918.3/20

Left Out: -13.531 ± 0.344 χ^2/NDF : 572.8/24

Right Out: -27.319 ± 0.622 χ^2/NDF : 1128.2/25

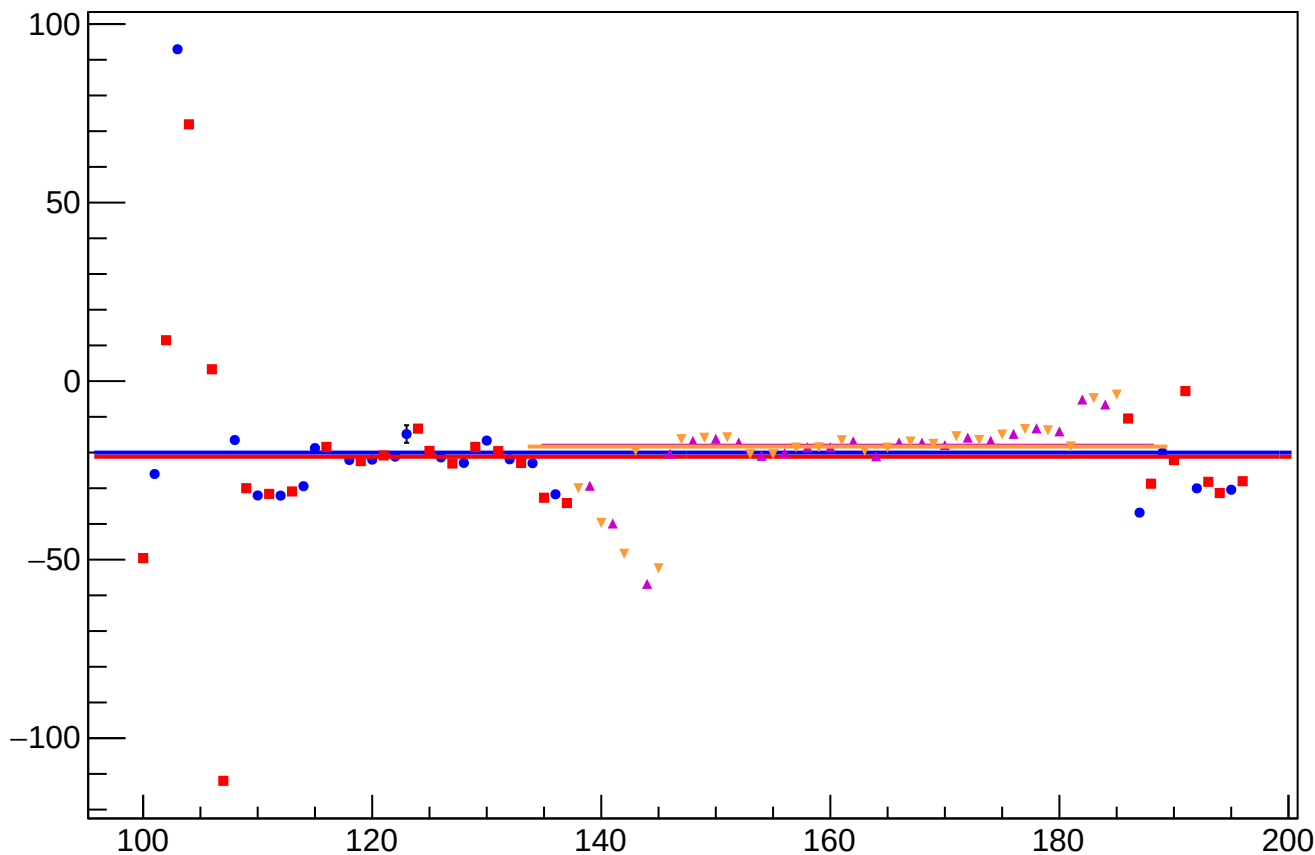
Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

+ sign -16.888 ± 0.308 χ^2/NDF : 1970.7/45

All: -17.370 ± 0.218 χ^2/NDF : 4249.1/94

- sign -17.850 ± 0.308 χ^2/NDF : 2273.5/48

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.014 ± 0.037 $\chi^2/\text{NDF}: 501431.2/20$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -21.186 ± 0.033 $\chi^2/\text{NDF}: 478715.0/25$

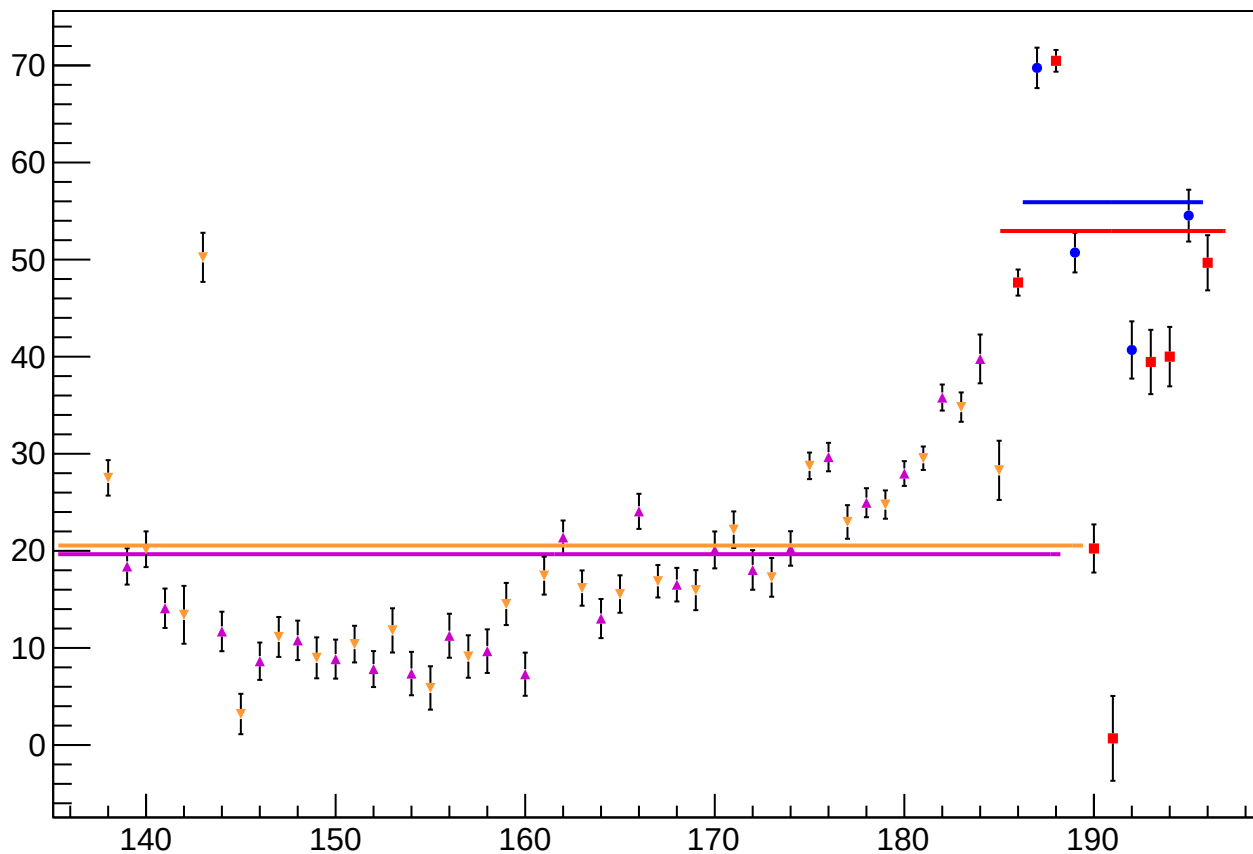
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.591 ± 0.015 $\chi^2/\text{NDF}: 787304.1/45$

All: -18.638 ± 0.010 $\chi^2/\text{NDF}: 1515198.3/94$

- sign -18.685 ± 0.014 $\chi^2/\text{NDF}: 727873.5/48$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 55.912 ± 1.174 $\chi^2/\text{NDF}: 77.5/3$

Left Out: 20.550 ± 0.373 $\chi^2/\text{NDF}: 626.4/24$

Right Out: 52.948 ± 0.727 $\chi^2/\text{NDF}: 614.0/6$

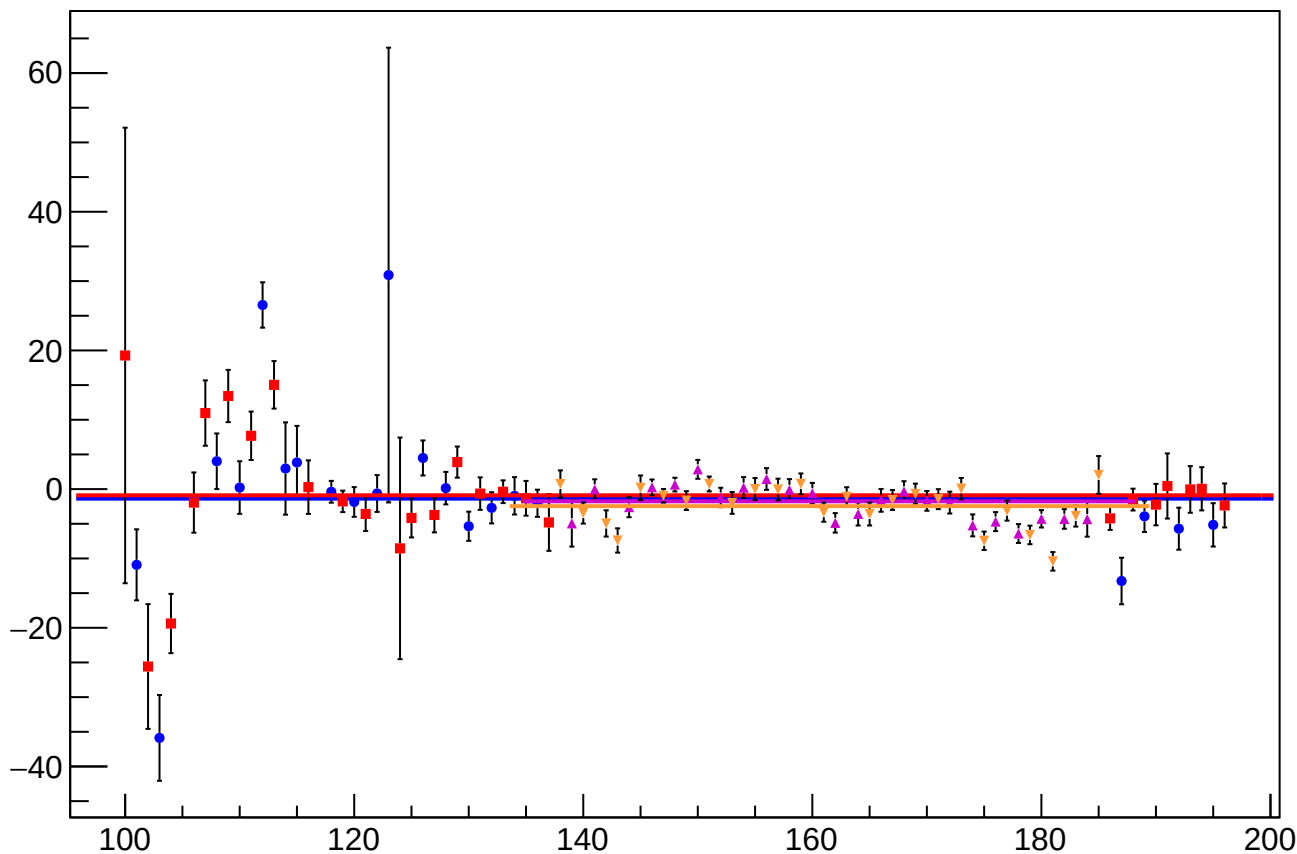
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 23.795 ± 0.356 $\chi^2/\text{NDF}: 1528.3/28$

All: 25.381 ± 0.245 $\chi^2/\text{NDF}: 4397.2/58$

- sign 26.807 ± 0.337 $\chi^2/\text{NDF}: 2831.1/29$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.372 ± 0.601 χ^2/NDF : 139.5/20

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -0.892 ± 0.532 χ^2/NDF : 90.0/25

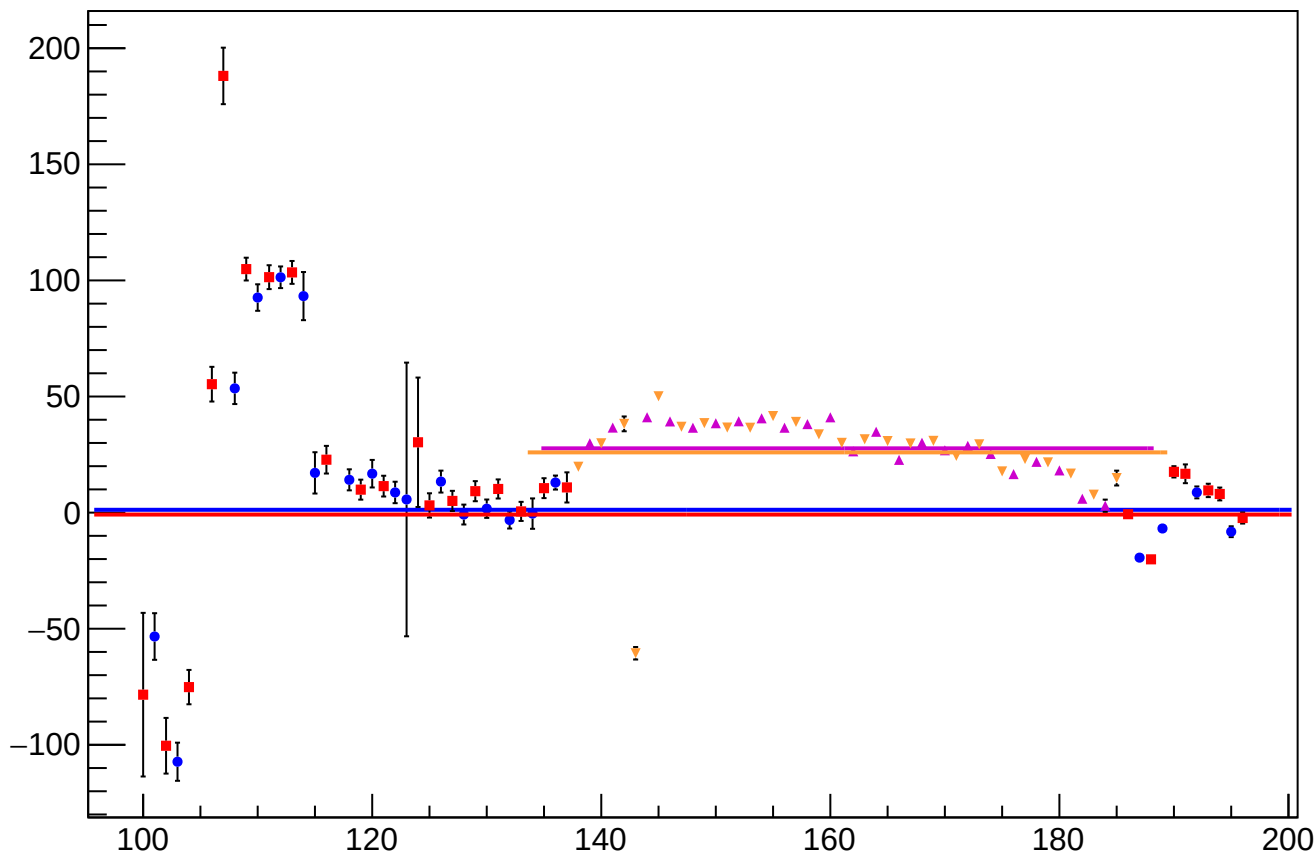
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.248 ± 0.263 χ^2/NDF : 248.1/45

All: -1.897 ± 0.186 χ^2/NDF : 411.1/94

- sign -1.547 ± 0.263 χ^2/NDF : 159.4/48

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 1.217 ± 0.779 χ^2/NDF : 1296.0/20

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -0.833 ± 0.543 χ^2/NDF : 2393.4/25

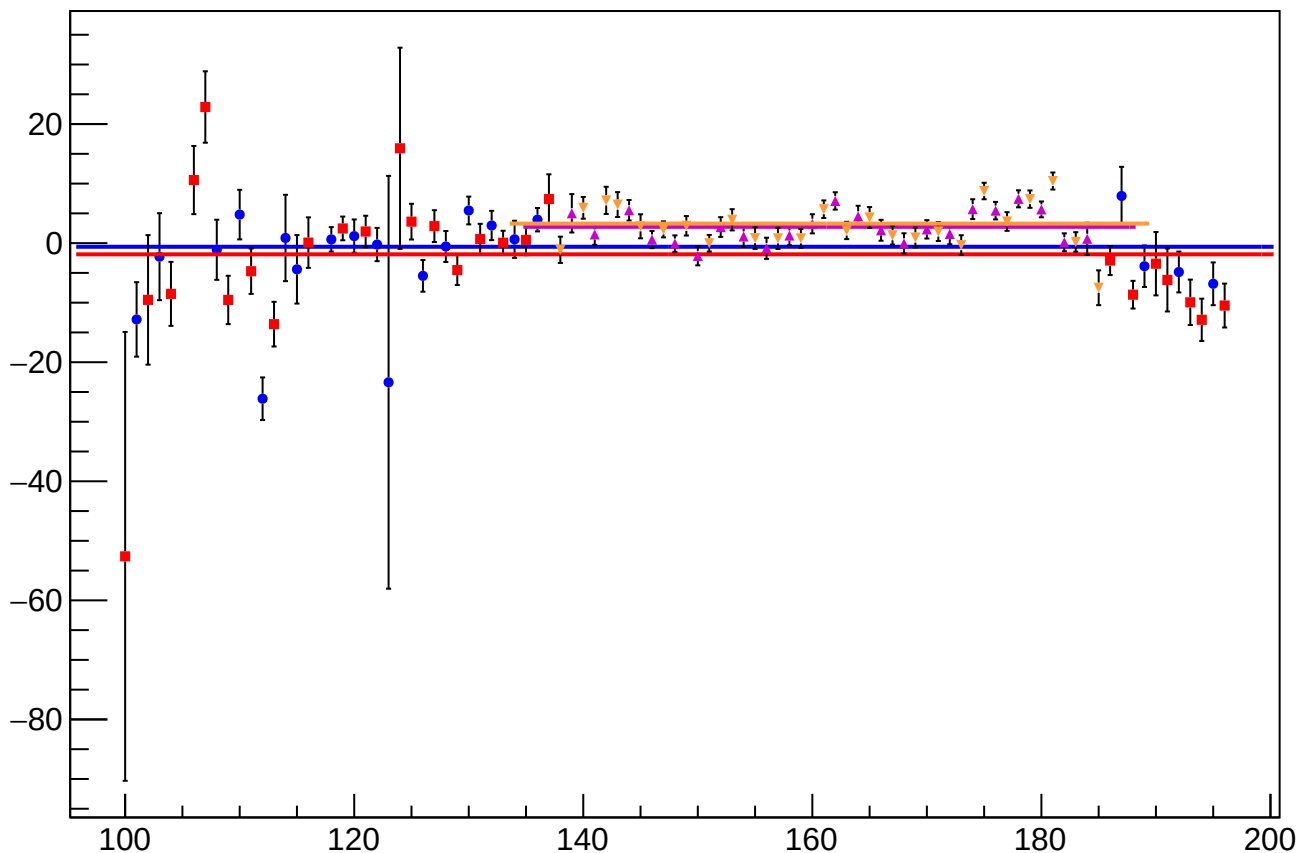
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 21.345 ± 0.336 χ^2/NDF : 3826.5/45

All: 19.733 ± 0.228 χ^2/NDF : 8923.6/94

- sign 18.358 ± 0.310 χ^2/NDF : 5054.4/48

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.611 ± 0.698 χ^2/NDF : 84.4/20

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -1.879 ± 0.642 χ^2/NDF : 92.1/25

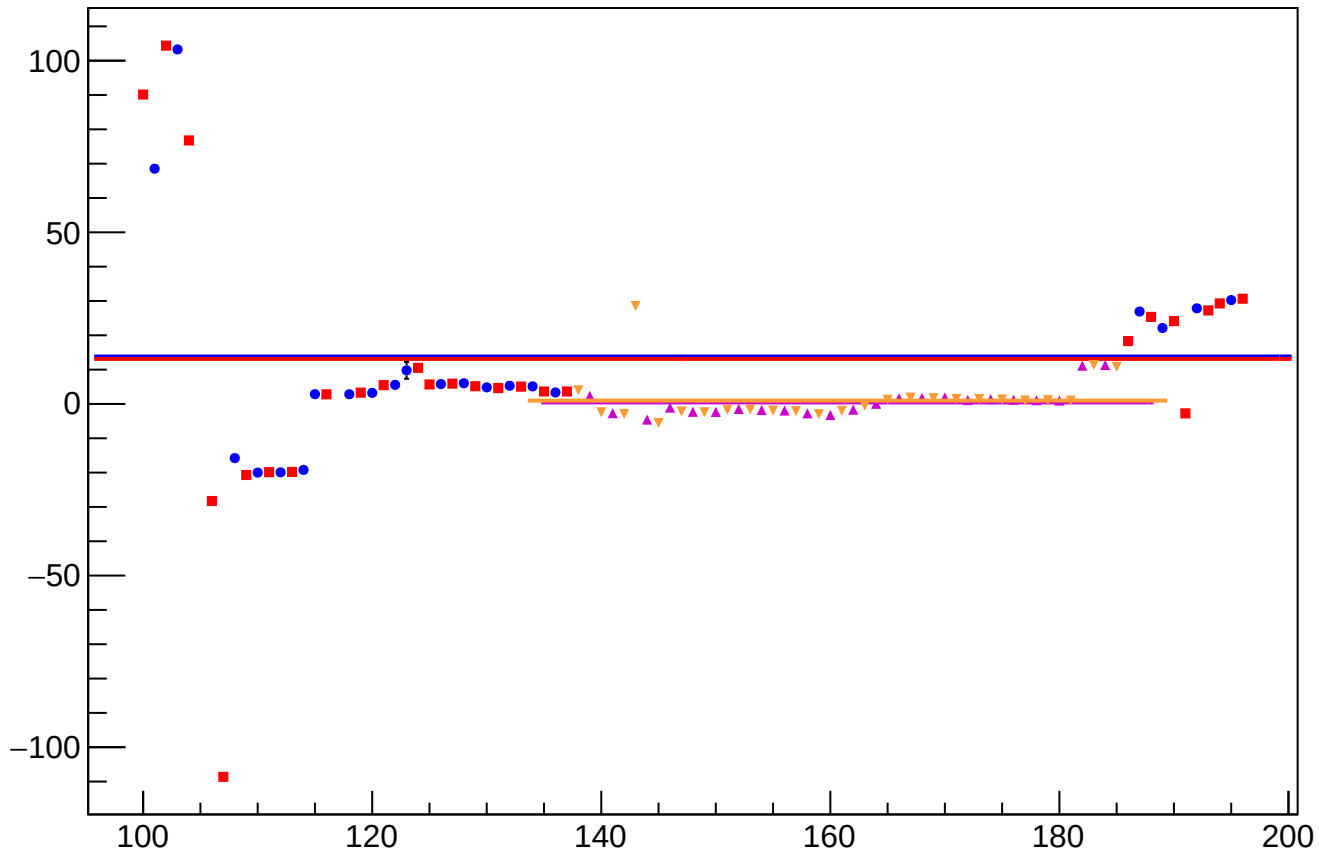
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.567 ± 0.299 χ^2/NDF : 212.1/45

All: 2.147 ± 0.212 χ^2/NDF : 412.9/94

- sign 1.722 ± 0.301 χ^2/NDF : 196.9/48

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 13.824 $\pm$ 0.037 χ^2 /NDF: 421438.9/20

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF:117391.3/24

Right Out: 13.122 $\pm$ 0.033 χ^2 /NDF: 645802.8/25

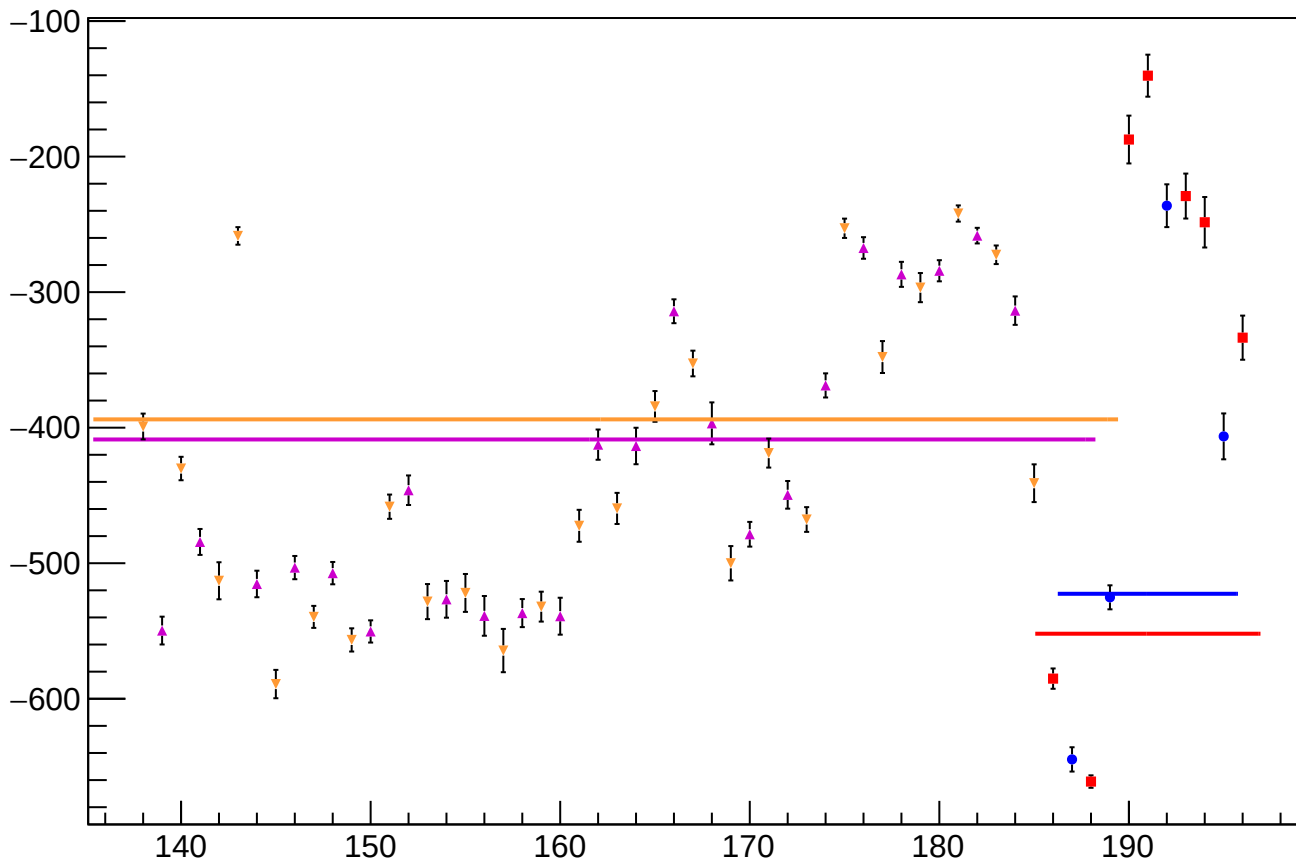
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF:50699.8/22

+ sign 2.830 $\pm$ 0.014 χ^2 /NDF: 641883.3/45

All: 2.773 $\pm$ 0.010 χ^2 /NDF: 1458904.6/94

- sign 2.715 $\pm$ 0.014 χ^2 /NDF: 816987.6/48

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -522.551 ± 5.532 χ^2/NDF : 561.8/3

Left Out: -393.871 ± 1.897 χ^2/NDF : 3772.8/24

Right Out: -552.010 ± 3.474 χ^2/NDF : 2540.7/6

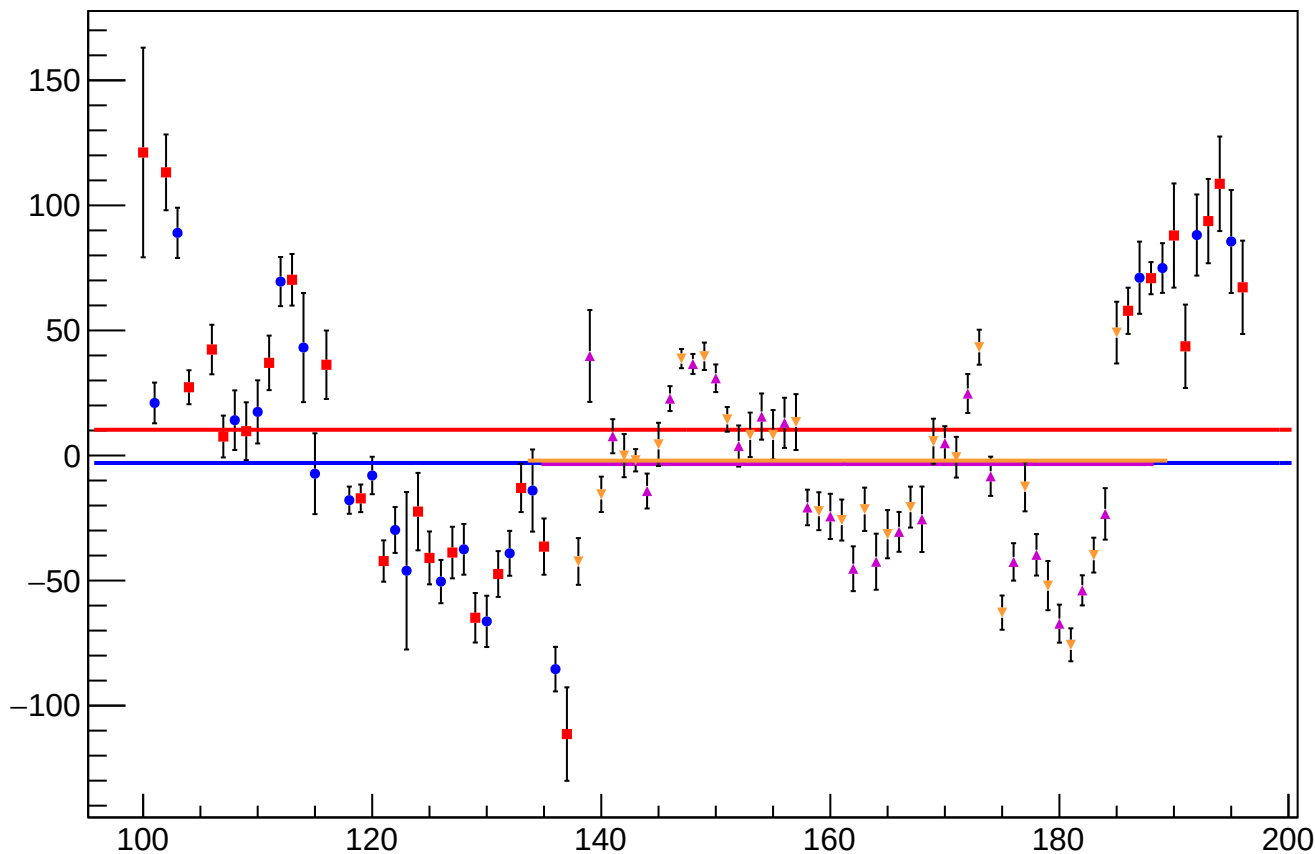
Left In: -408.696 ± 1.979 χ^2/NDF : 3062.9/22

+ sign -407.411 ± 1.794 χ^2/NDF : 4818.7/28

All: -426.382 ± 1.242 χ^2/NDF : 11921.4/58

- sign -443.803 ± 1.720 χ^2/NDF : 6888.3/29

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.987 ± 2.227 $\chi^2/\text{NDF}: 494.6/20$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 10.291 ± 2.014 $\chi^2/\text{NDF}: 586.4/25$

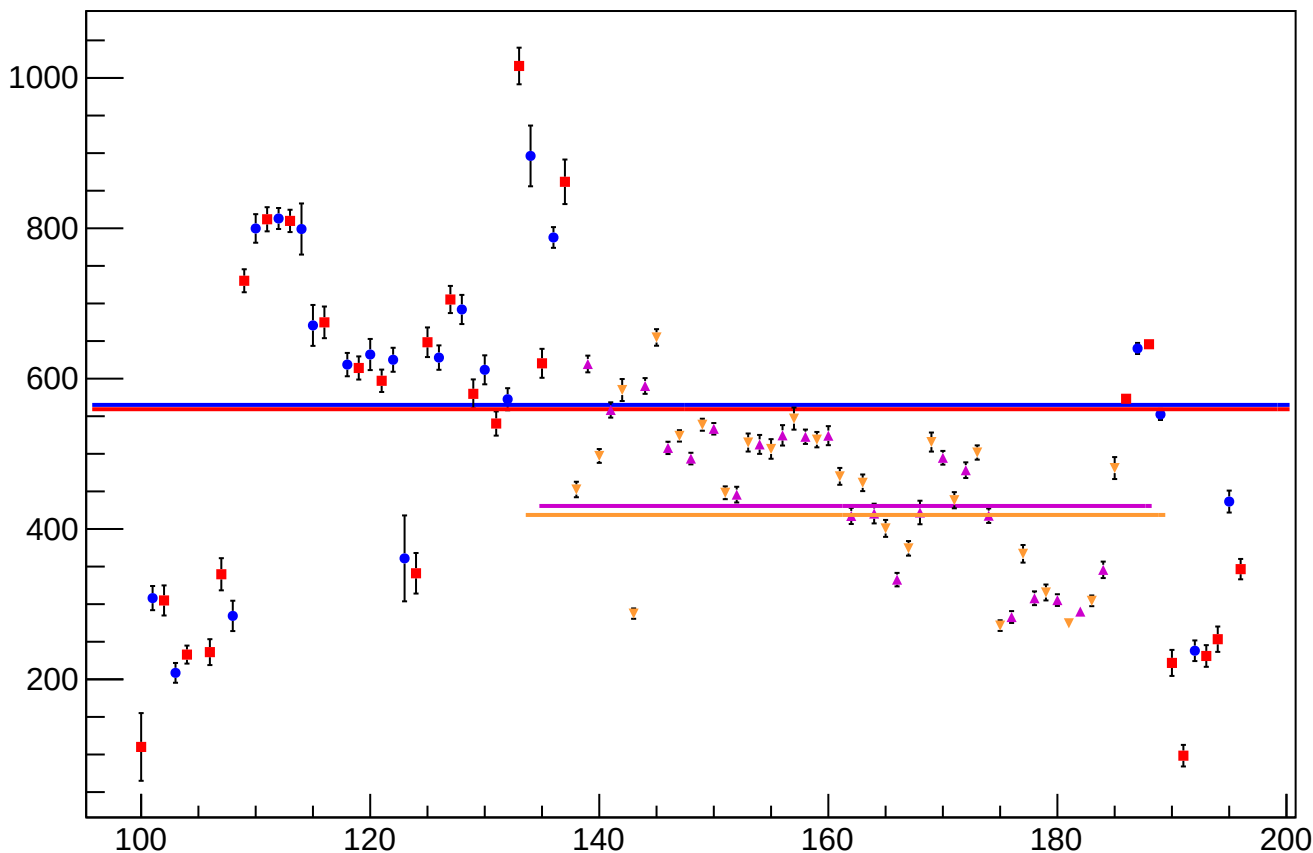
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign -2.313 ± 1.200 $\chi^2/\text{NDF}: 1058.6/45$

All: -0.400 ± 0.853 $\chi^2/\text{NDF}: 2130.6/94$

- sign 1.557 ± 1.213 $\chi^2/\text{NDF}: 1066.9/48$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 565.069 ± 3.173 χ^2/NDF : 2905.8/20

Left Out: 418.680 ± 1.905 χ^2/NDF : 3296.5/24

Right Out: 559.326 ± 2.347 χ^2/NDF : 5844.7/25

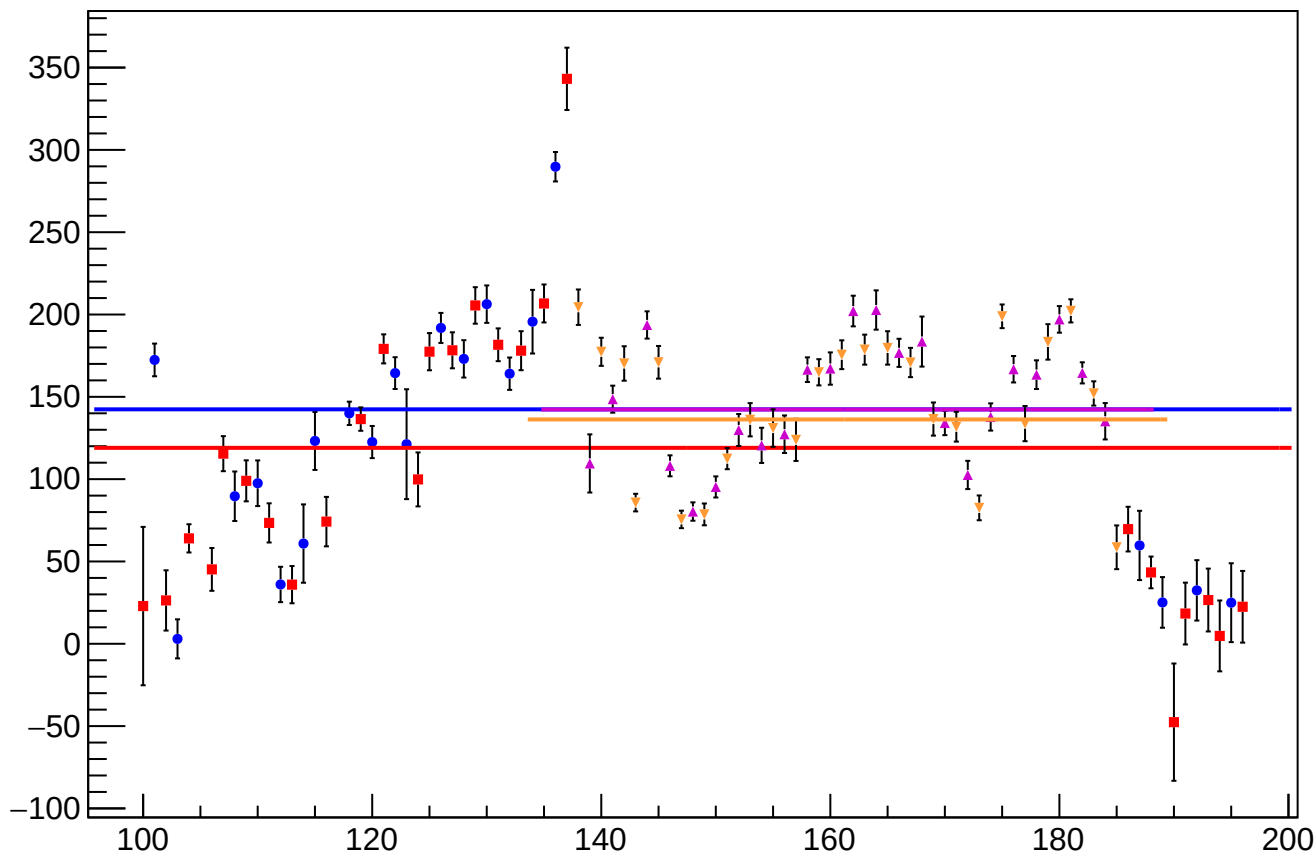
Left In: 430.640 ± 1.971 χ^2/NDF : 2850.6/22

+ sign 457.456 ± 1.633 χ^2/NDF : 7766.6/45

All: 471.698 ± 1.108 χ^2/NDF : 18366.2/94

- sign 483.858 ± 1.509 χ^2/NDF : 10458.6/48

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 142.408 $\pm$ 2.610 χ^2 /NDF: 776.7/20

Left Out: 136.258 $\pm$ 1.651 χ^2 /NDF: 758.3/24

Right Out: 119.020 $\pm$ 2.407 χ^2 /NDF: 813.1/25

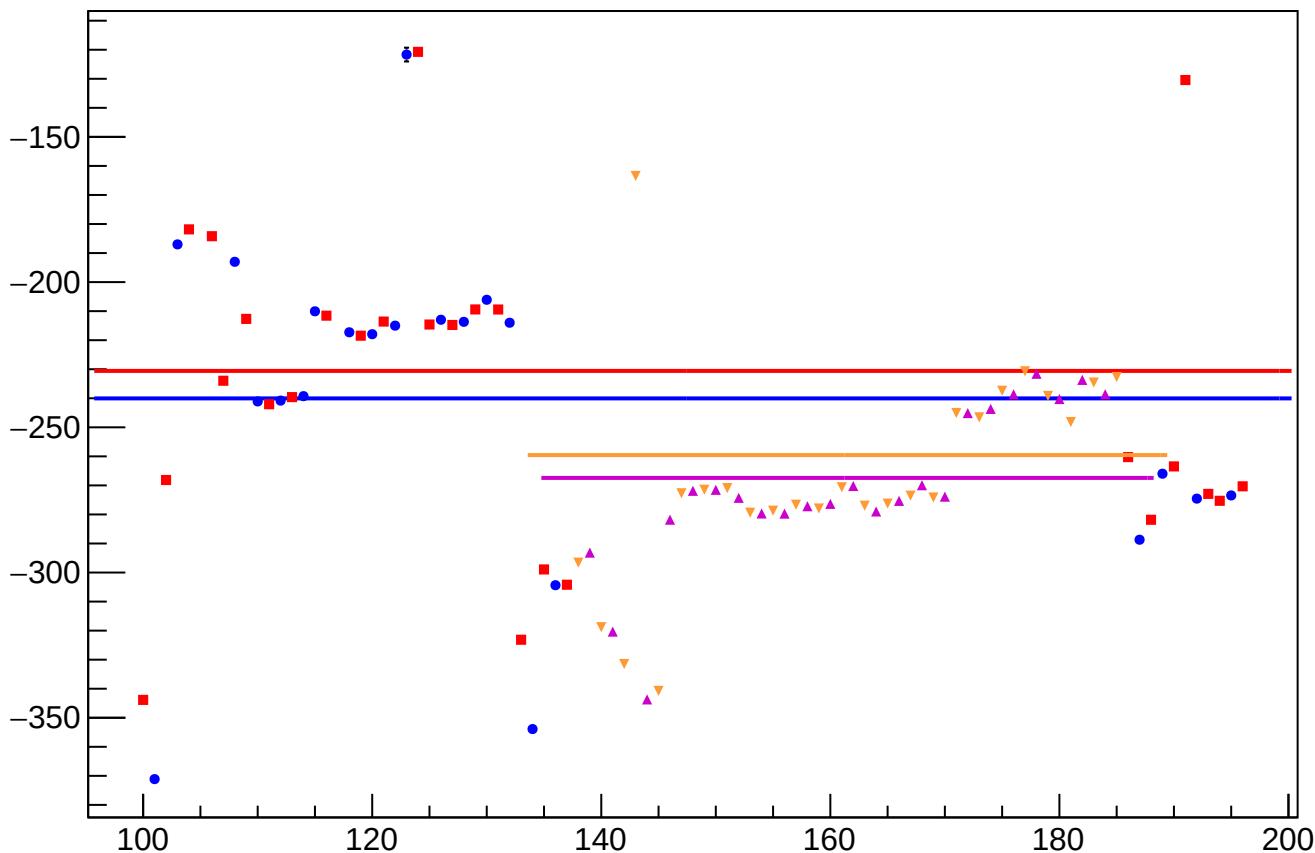
Left In: 142.296 $\pm$ 1.745 χ^2 /NDF: 459.8/22

+ sign 138.016 $\pm$ 1.395 χ^2 /NDF: 1538.9/45

All: 136.172 $\pm$ 0.993 χ^2 /NDF: 2876.6/94

- sign 134.281 $\pm$ 1.413 χ^2 /NDF: 1334.2/48

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.040 $\pm$ 0.138 χ^2 /NDF: 154926.5/20

Left Out: -259.557 $\pm$ 0.079 χ^2 /NDF:238235.2/24

Right Out: -230.575 $\pm$ 0.122 χ^2 /NDF: 163200.5/25

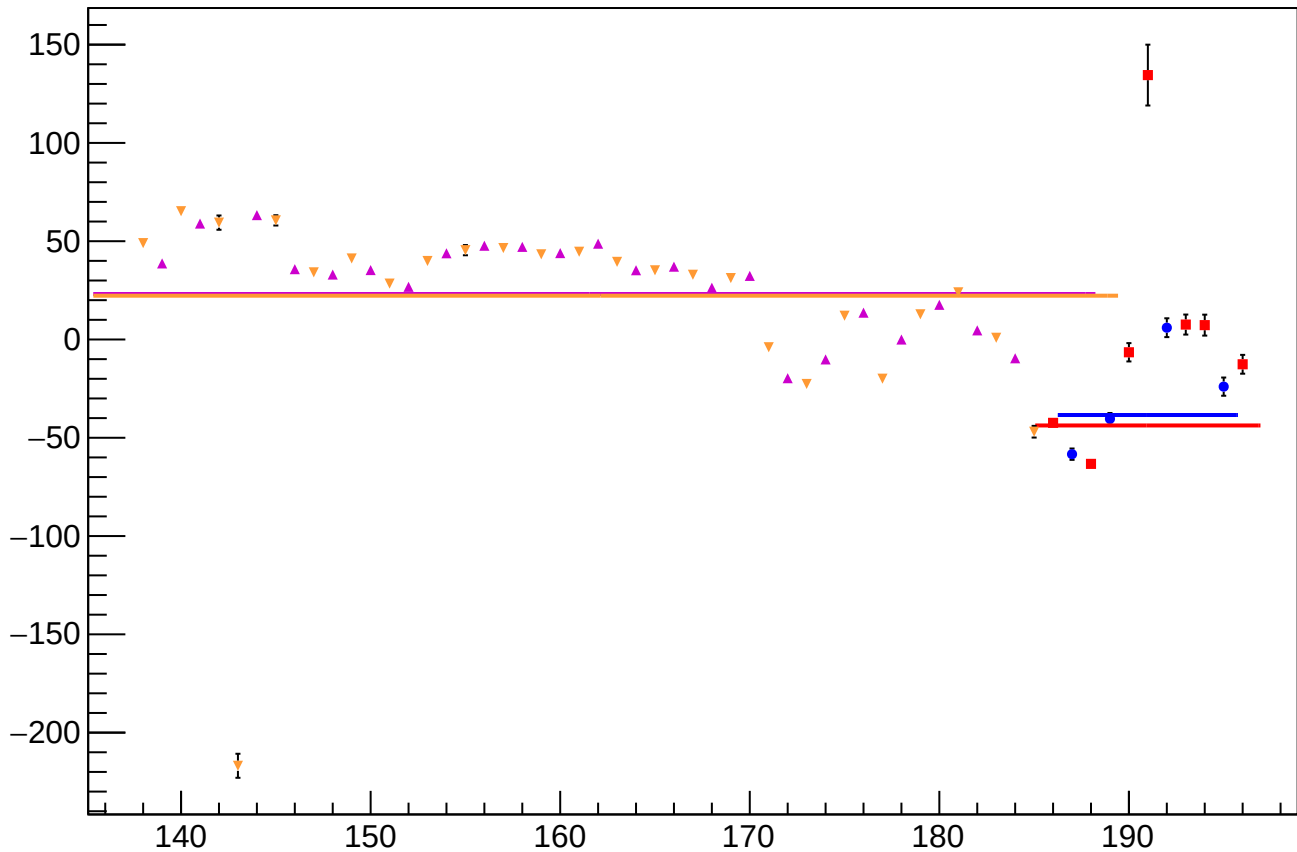
Left In: -267.417 $\pm$ 0.082 χ^2 /NDF:98035.5/22

+ sign -254.745 $\pm$ 0.069 χ^2 /NDF: 408175.4/45

All: -255.401 $\pm$ 0.048 χ^2 /NDF: 732418.1/94

- sign -256.042 $\pm$ 0.068 χ^2 /NDF: 324062.2/48

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -38.419 ± 1.755 $\chi^2/\text{NDF}: 143.8/3$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -43.739 ± 1.050 $\chi^2/\text{NDF}: 589.4/6$

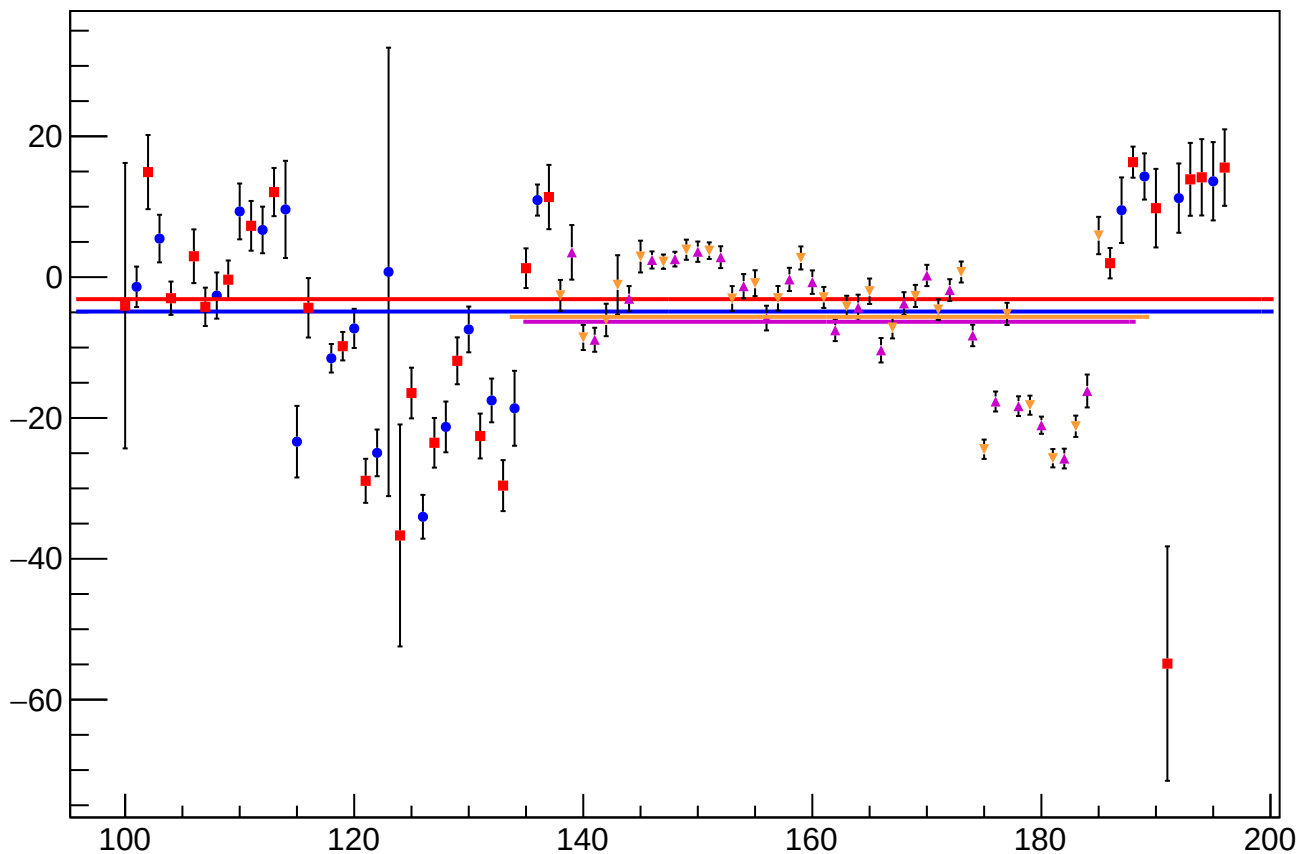
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 19.301 ± 0.389 $\chi^2/\text{NDF}: 6451.7/28$

All: 16.872 ± 0.270 $\chi^2/\text{NDF}: 13397.9/58$

- sign 14.613 ± 0.375 $\chi^2/\text{NDF}: 6870.9/29$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.884 ± 0.743 χ^2/NDF : 351.6/20

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -3.127 ± 0.662 χ^2/NDF : 416.0/25

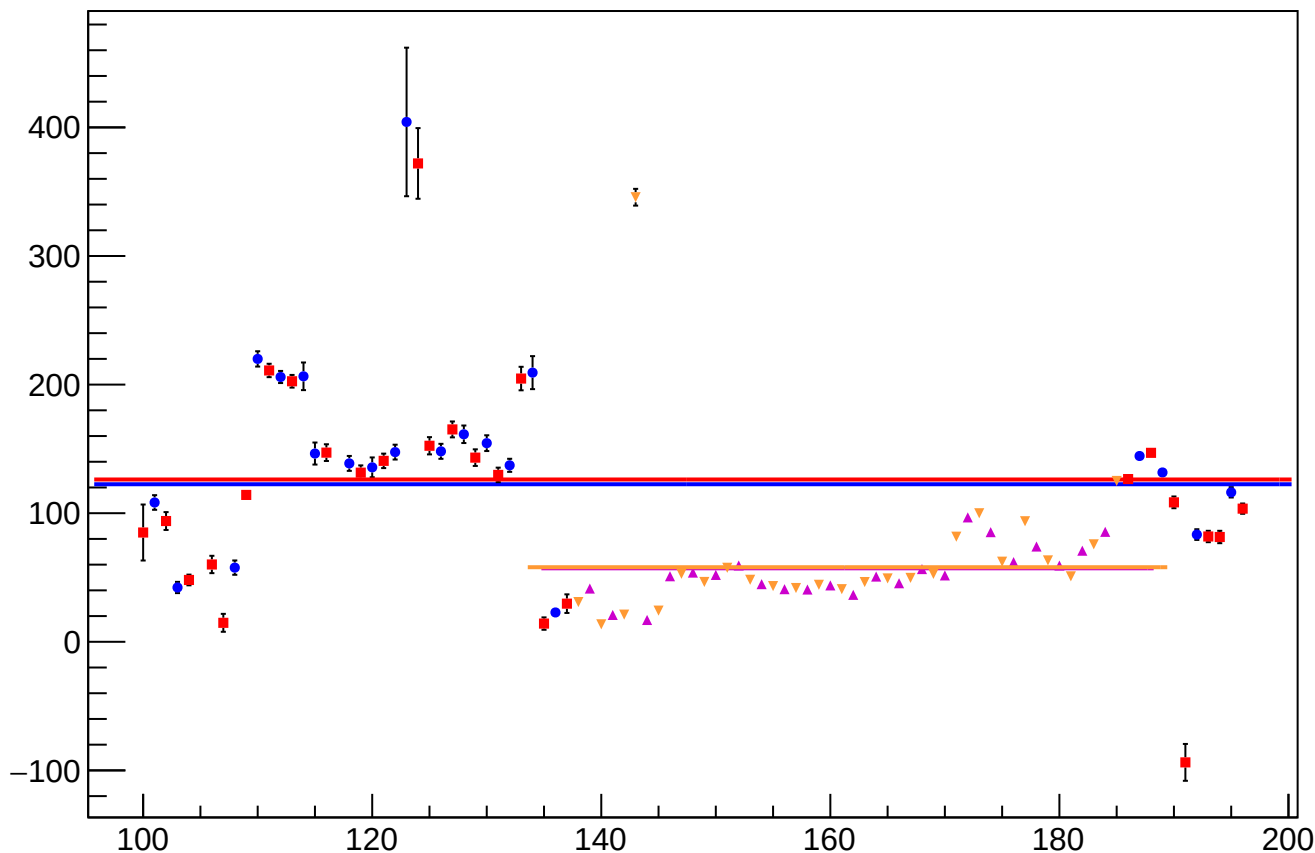
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -5.526 ± 0.290 χ^2/NDF : 1246.2/45

All: -5.626 ± 0.205 χ^2/NDF : 2464.4/94

- sign -5.725 ± 0.289 χ^2/NDF : 1218.0/48

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 122.513 $\pm$ 1.024 χ^2 /NDF: 2363.7/20

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 126.216 $\pm$ 0.727 χ^2 /NDF: 2938.4/25

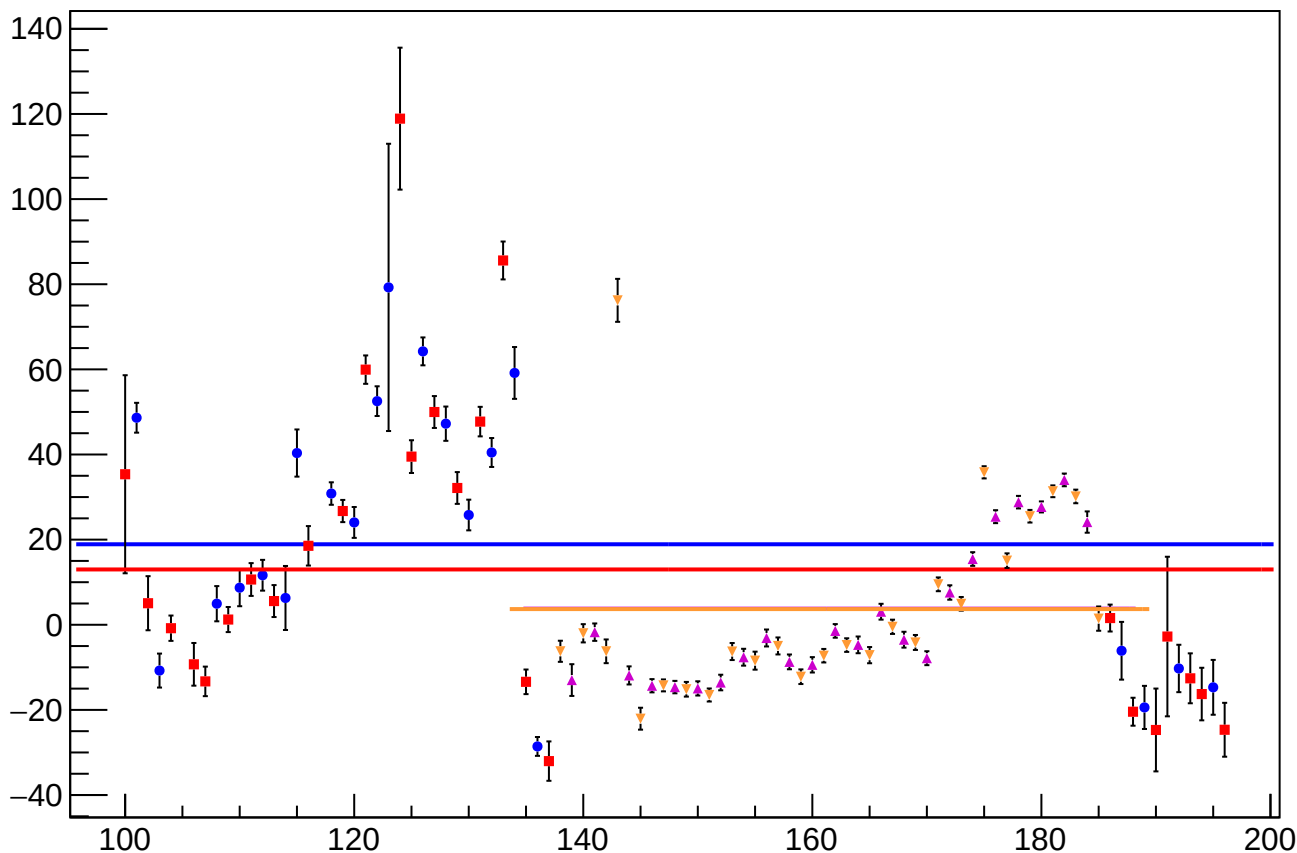
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 66.452 $\pm$ 0.371 χ^2 /NDF: 10447.2/45

All: 69.994 $\pm$ 0.255 χ^2 /NDF: 22290.0/94

- sign 73.151 $\pm$ 0.350 χ^2 /NDF: 11670.3/48

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 18.910 $\pm$ 0.860 χ^2 /NDF: 1198.4/20

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF:2541.7/24

Right Out: 12.994 $\pm$ 0.791 χ^2 /NDF: 1314.2/25

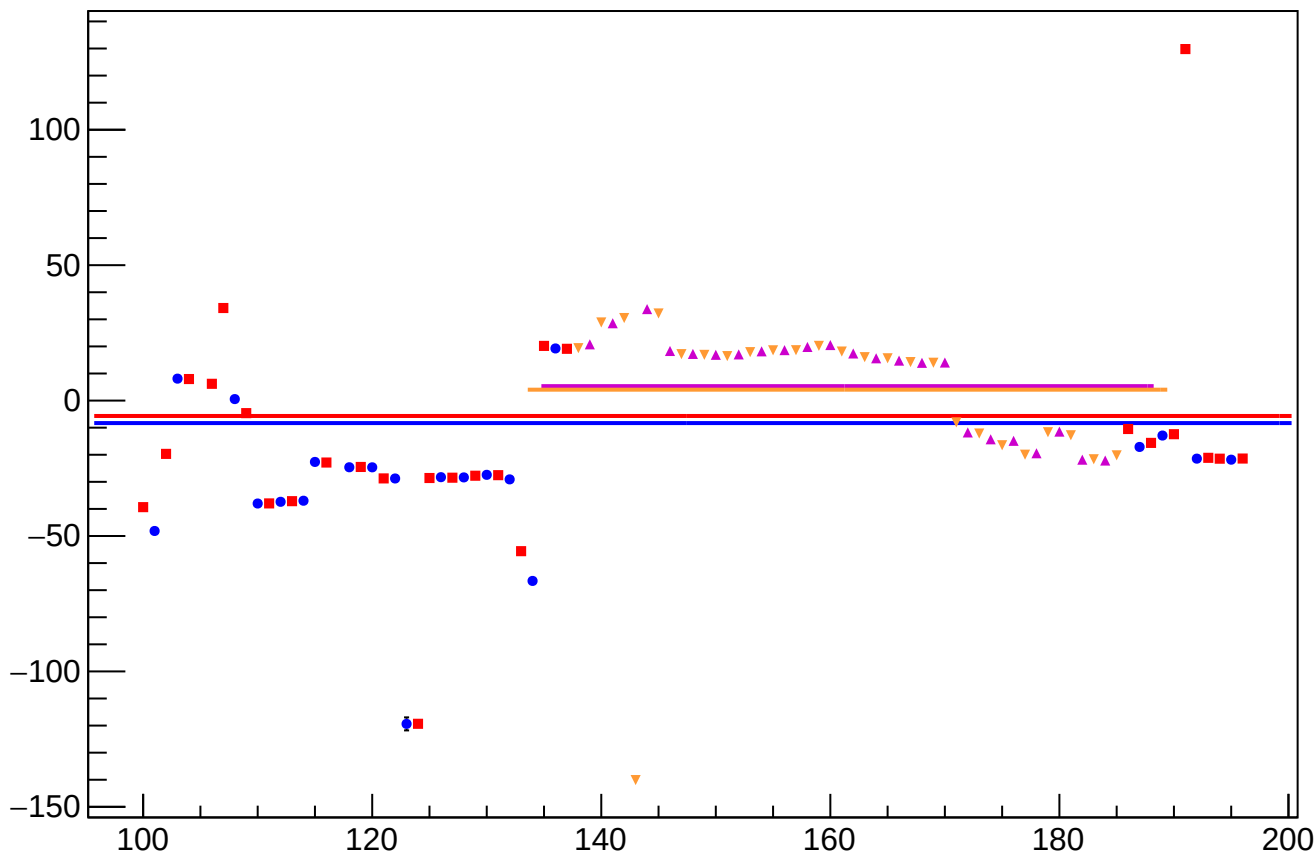
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF:2198.8/22

+ sign 5.918 $\pm$ 0.330 χ^2 /NDF: 4007.3/45

All: 5.649 $\pm$ 0.233 χ^2 /NDF: 7633.9/94

- sign 5.380 $\pm$ 0.329 χ^2 /NDF: 3625.2/48

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.304 ± 0.043 $\chi^2/\text{NDF}: 277291.1/20$

Left Out: 4.026 ± 0.016 $\chi^2/\text{NDF}: 1383143.9/24$

Right Out: -5.682 ± 0.040 $\chi^2/\text{NDF}: 364212.9/25$

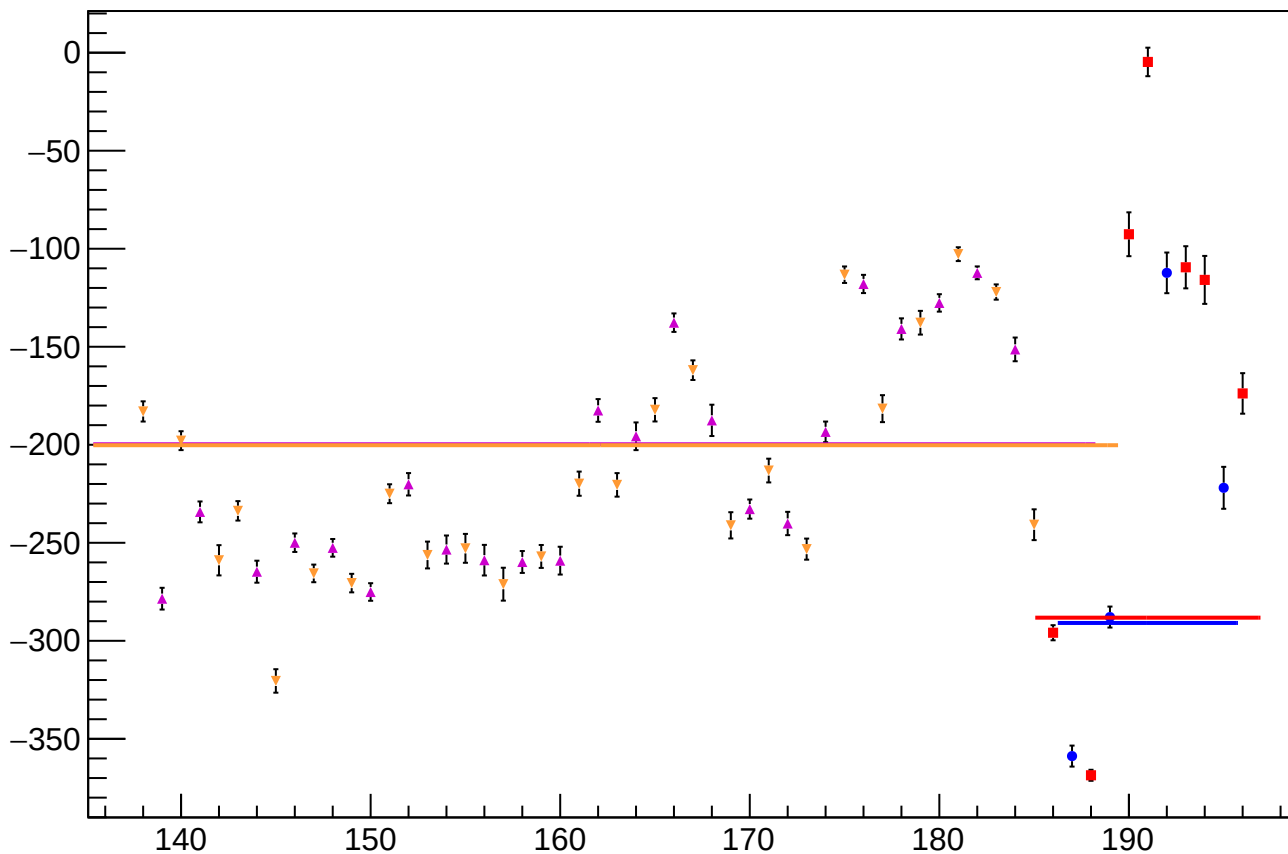
Left In: 5.335 ± 0.016 $\chi^2/\text{NDF}: 1077818.8/22$

+ sign 2.443 ± 0.015 $\chi^2/\text{NDF}: 1733312.5/45$

All: 3.088 ± 0.011 $\chi^2/\text{NDF}: 3244697.0/94$

- sign 3.724 ± 0.015 $\chi^2/\text{NDF}: 1507845.9/48$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -290.892 ± 3.374 χ^2/NDF : 499.1/3

Left Out: -200.228 ± 1.078 χ^2/NDF : 3225.0/24

Right Out: -288.195 ± 2.019 χ^2/NDF : 3241.3/6

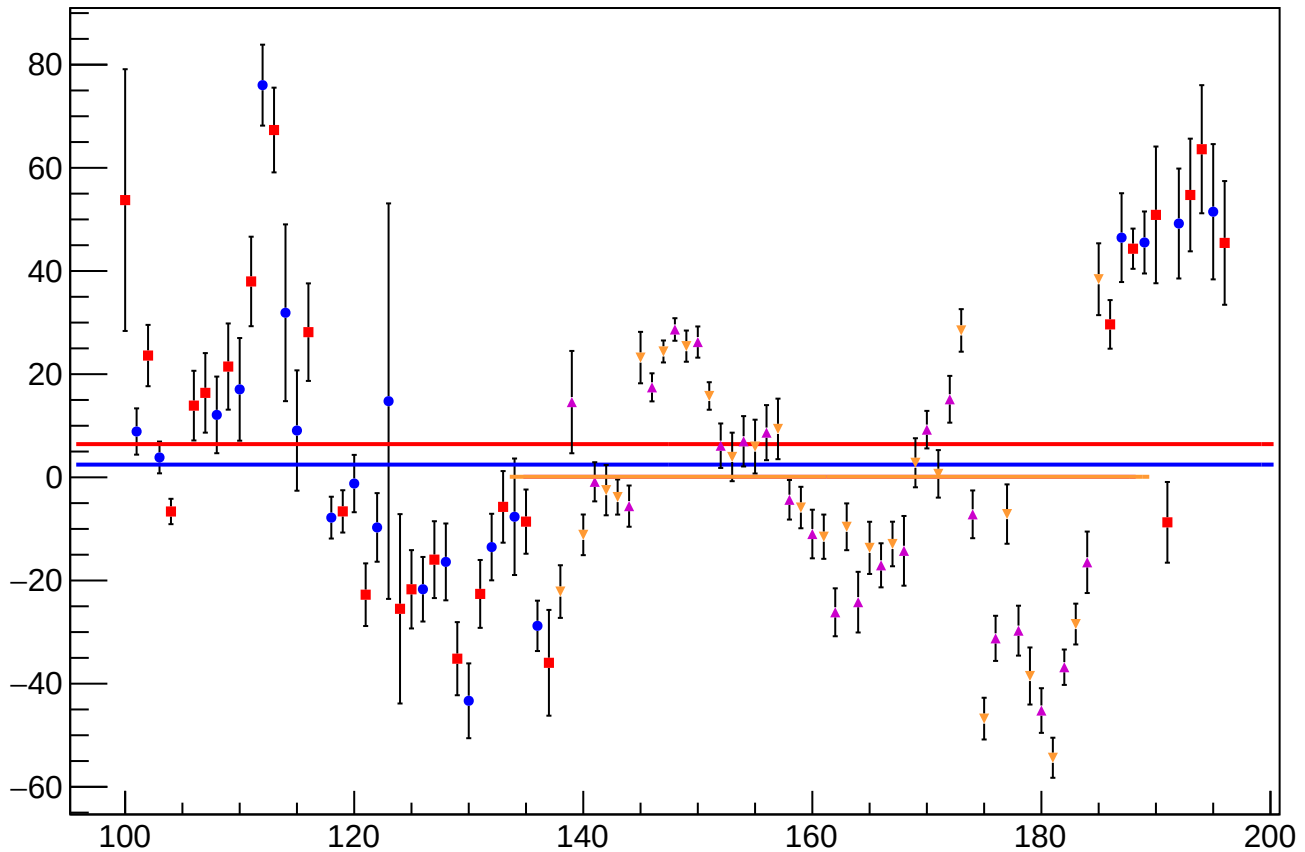
Left In: -199.739 ± 1.097 χ^2/NDF : 2968.0/22

+ sign -208.622 ± 1.027 χ^2/NDF : 4379.2/28

All: -214.621 ± 0.703 χ^2/NDF : 12134.4/58

- sign -219.911 ± 0.964 χ^2/NDF : 7691.0/29

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 2.468 ± 1.388 $\chi^2/\text{NDF}: 327.4/20$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 6.440 ± 1.225 $\chi^2/\text{NDF}: 443.6/25$

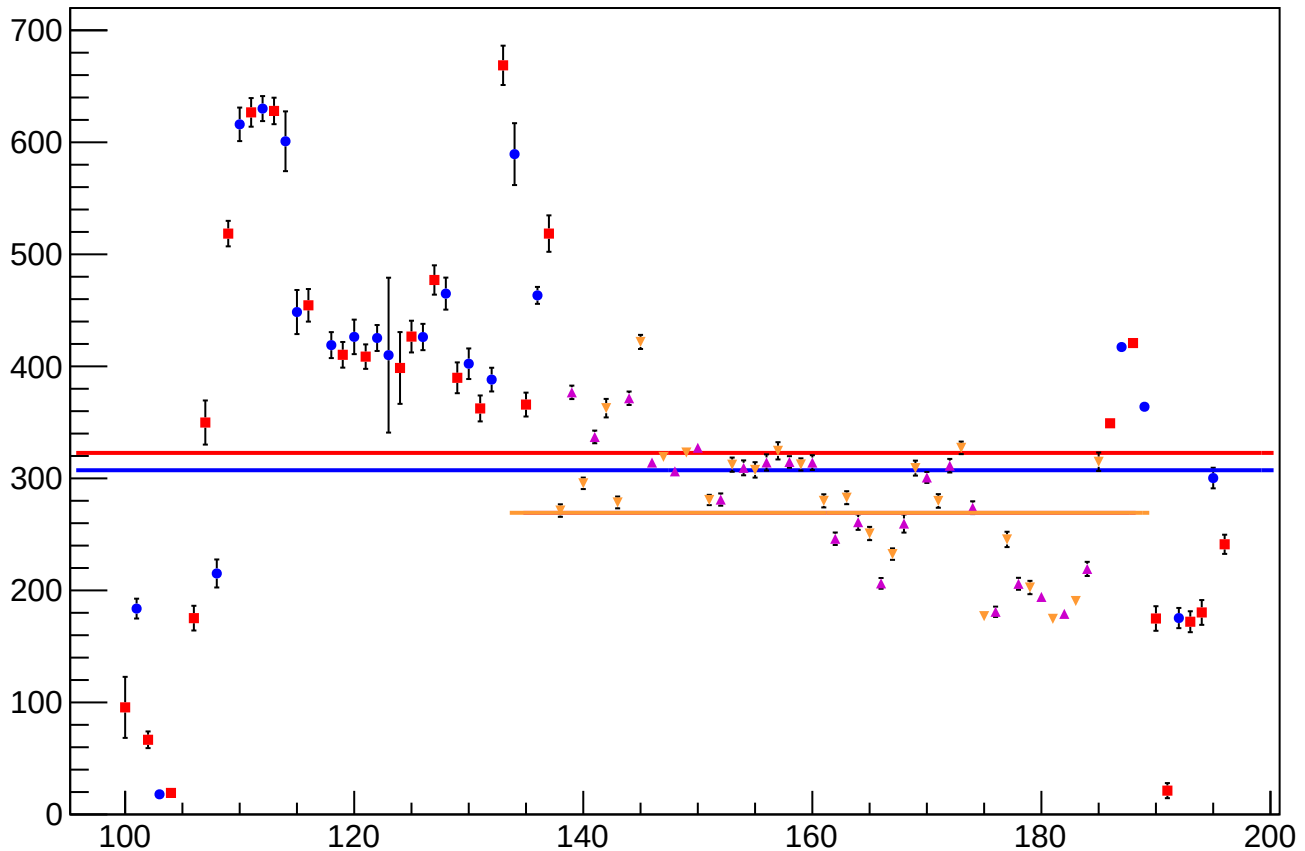
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 0.705 ± 0.698 $\chi^2/\text{NDF}: 1160.8/45$

All: 1.418 ± 0.491 $\chi^2/\text{NDF}: 2340.2/94$

- sign 2.119 ± 0.692 $\chi^2/\text{NDF}: 1177.3/48$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 307.269 ± 1.865 $\chi^2/\text{NDF}: 8905.5/20$

Left Out: 269.278 ± 1.078 $\chi^2/\text{NDF}: 3146.7/24$

Right Out: 322.738 ± 1.373 $\chi^2/\text{NDF}: 13481.8/25$

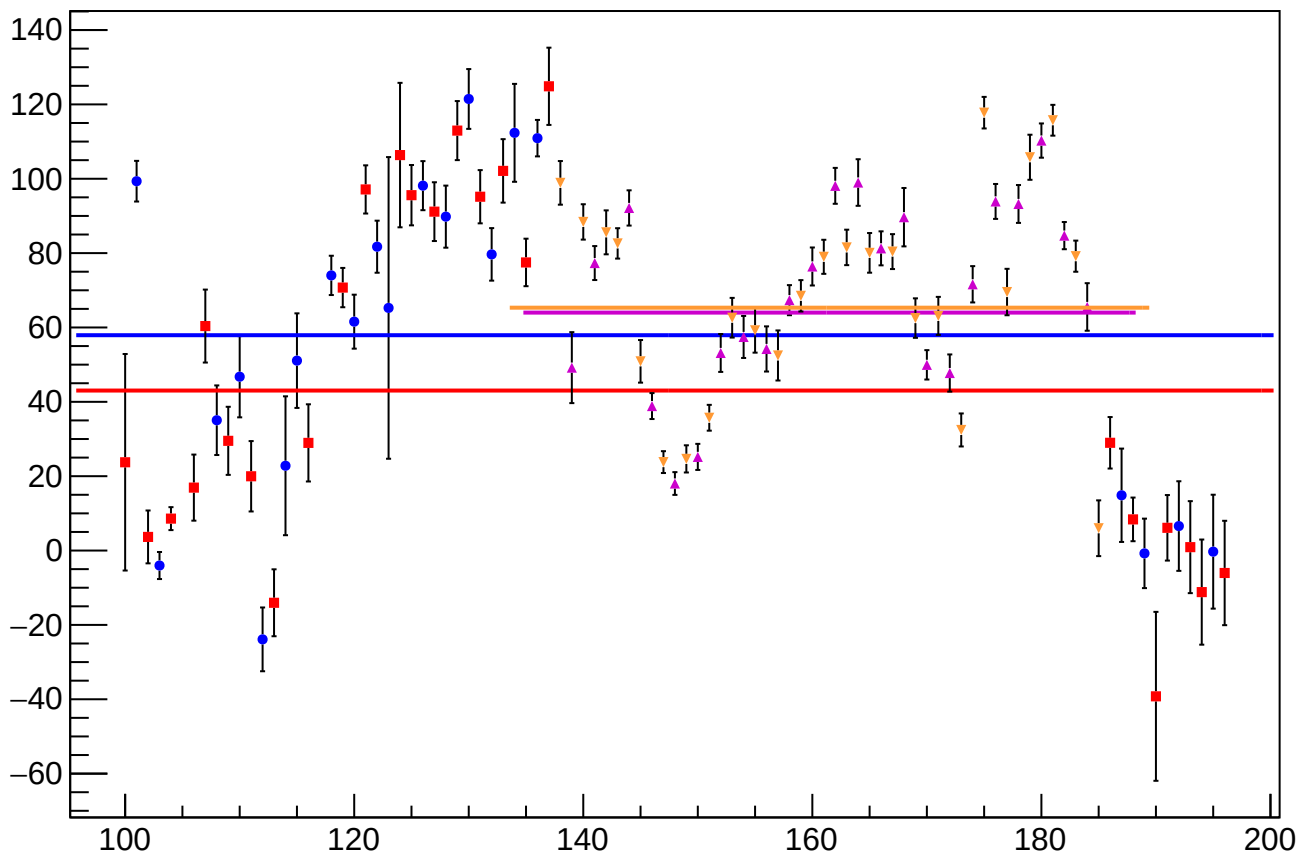
Left In: 269.191 ± 1.091 $\chi^2/\text{NDF}: 3170.2/22$

+ sign 278.785 ± 0.933 $\chi^2/\text{NDF}: 12363.3/45$

All: 284.841 ± 0.630 $\chi^2/\text{NDF}: 30025.5/94$

- sign 289.912 ± 0.854 $\chi^2/\text{NDF}: 17584.8/48$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 57.920 ± 1.630 $\chi^2/\text{NDF}: 811.6/20$

Left Out: 65.323 ± 0.935 $\chi^2/\text{NDF}: 1007.1/24$

Right Out: 43.036 ± 1.489 $\chi^2/\text{NDF}: 782.1/25$

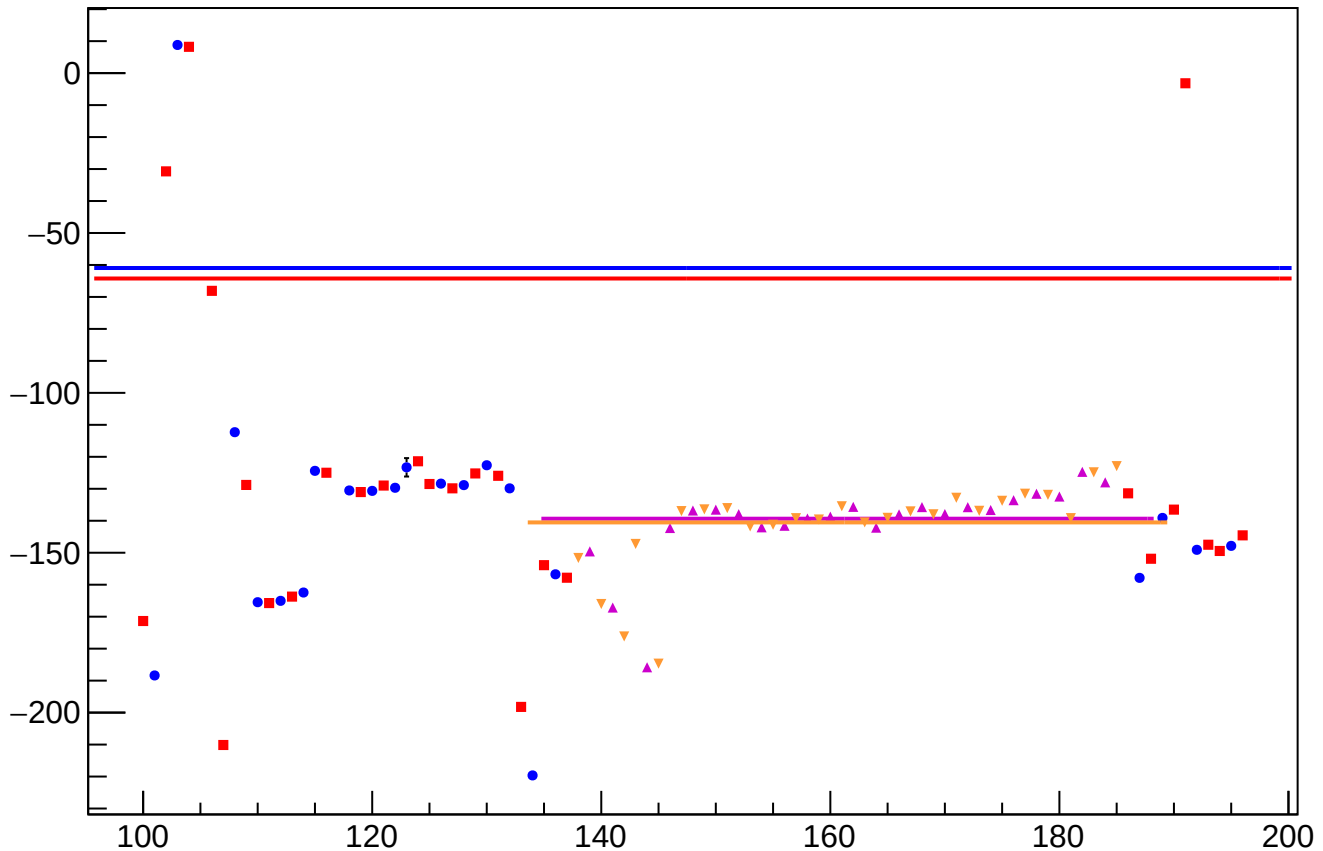
Left In: 63.999 ± 0.963 $\chi^2/\text{NDF}: 799.5/22$

+ sign 63.491 ± 0.811 $\chi^2/\text{NDF}: 1834.2/45$

All: 60.645 ± 0.572 $\chi^2/\text{NDF}: 3580.2/94$

- sign 57.815 ± 0.808 $\chi^2/\text{NDF}: 1721.4/48$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -60.952 ± 0.067 $\chi^2/\text{NDF}: 1371714.1/20$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -64.235 ± 0.064 $\chi^2/\text{NDF}: 1273912.8/25$

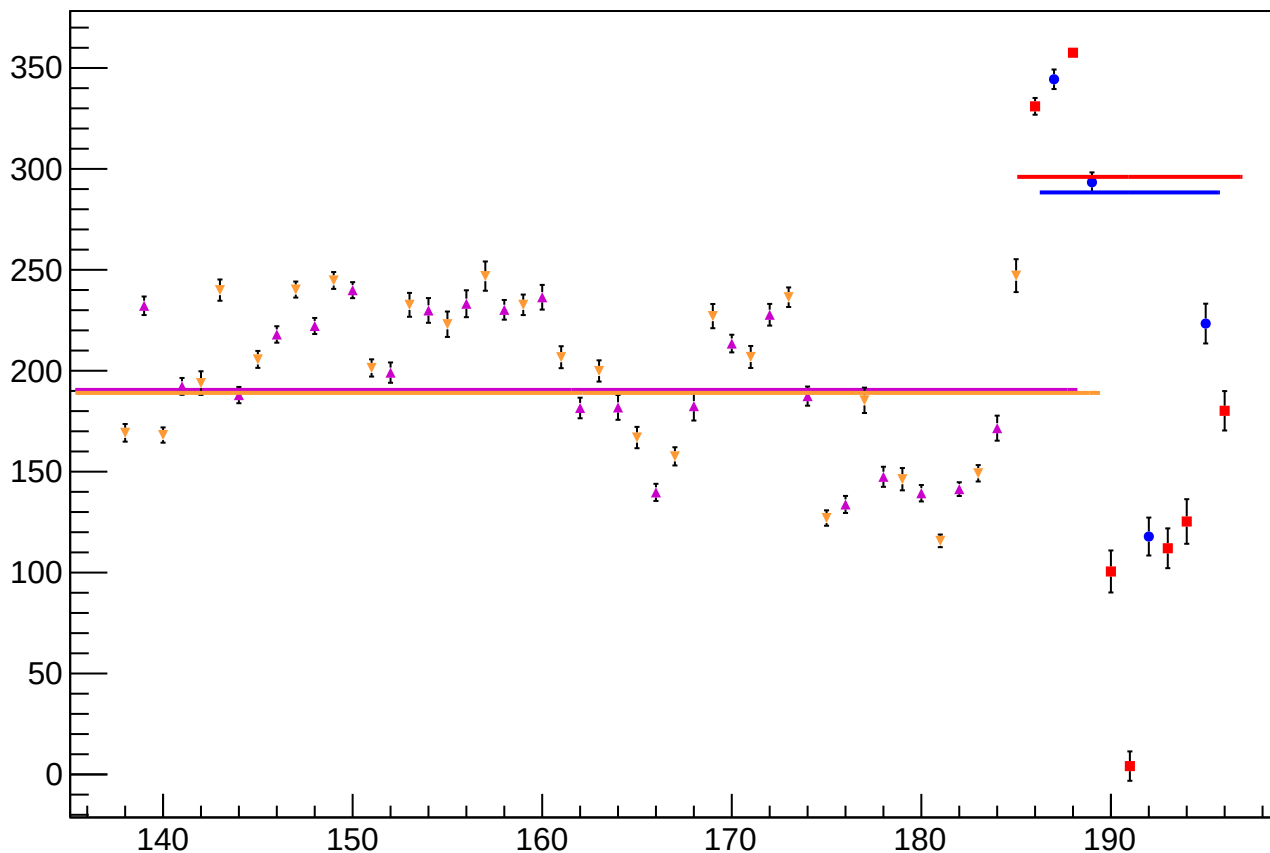
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -116.359 ± 0.037 $\chi^2/\text{NDF}: 2417643.9/45$

All: -115.427 ± 0.026 $\chi^2/\text{NDF}: 4676672.9/94$

- sign -114.512 ± 0.037 $\chi^2/\text{NDF}: 2257783.9/48$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 288.345 $\pm$ 3.075 χ^2 /NDF: 508.1/3

Left Out: 189.030 $\pm$ 0.956 χ^2 /NDF:1980.9/24

Right Out: 296.057 $\pm$ 1.909 χ^2 /NDF: 3362.8/6

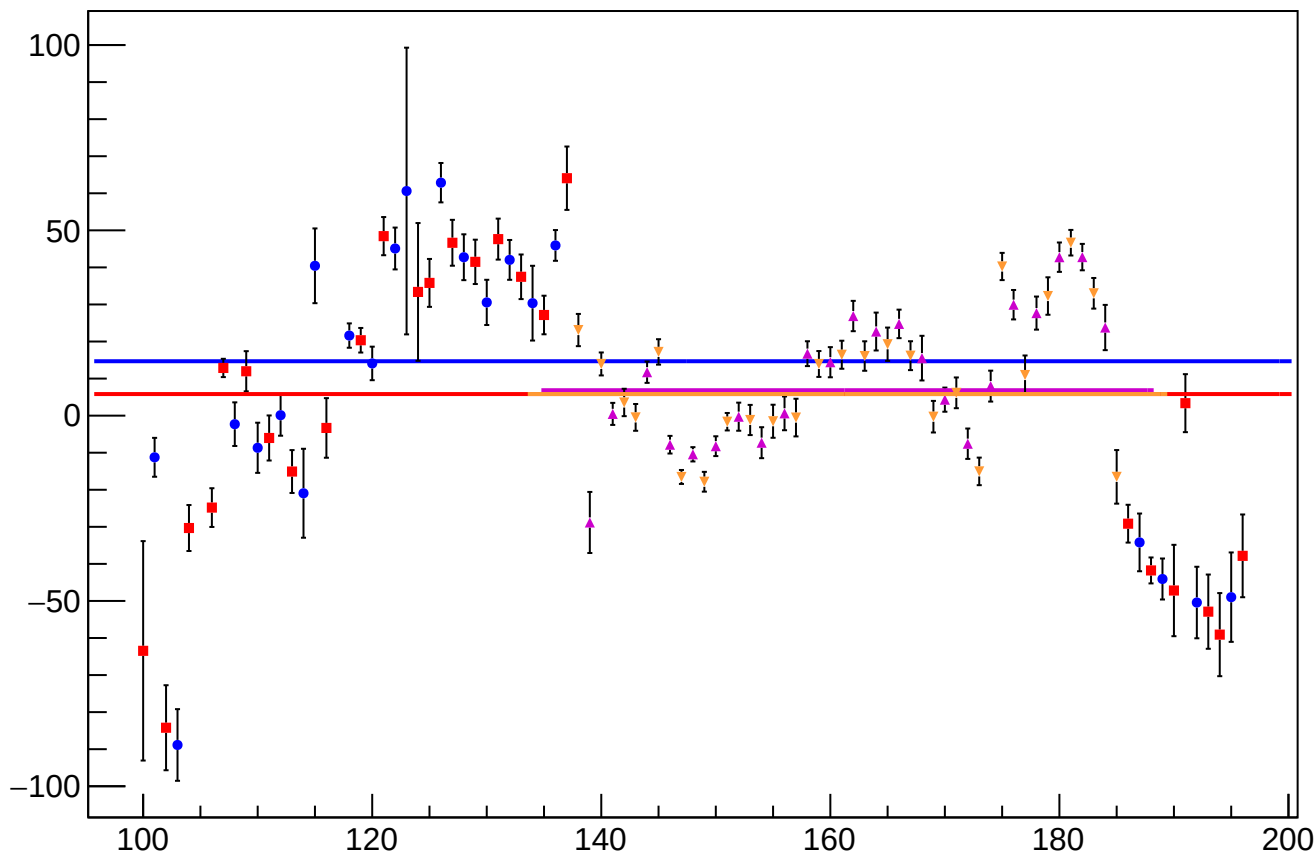
Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

+ sign 197.779 $\pm$ 0.913 χ^2 /NDF: 3440.0/28

All: 205.423 $\pm$ 0.629 χ^2 /NDF: 10773.1/58

- sign 212.341 $\pm$ 0.868 χ^2 /NDF: 7199.6/29

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 14.683 ± 1.315 χ^2/NDF : 636.8/20

Left Out: 5.834 ± 0.712 χ^2/NDF : 652.2/24

Right Out: 5.824 ± 1.097 χ^2/NDF : 835.0/25

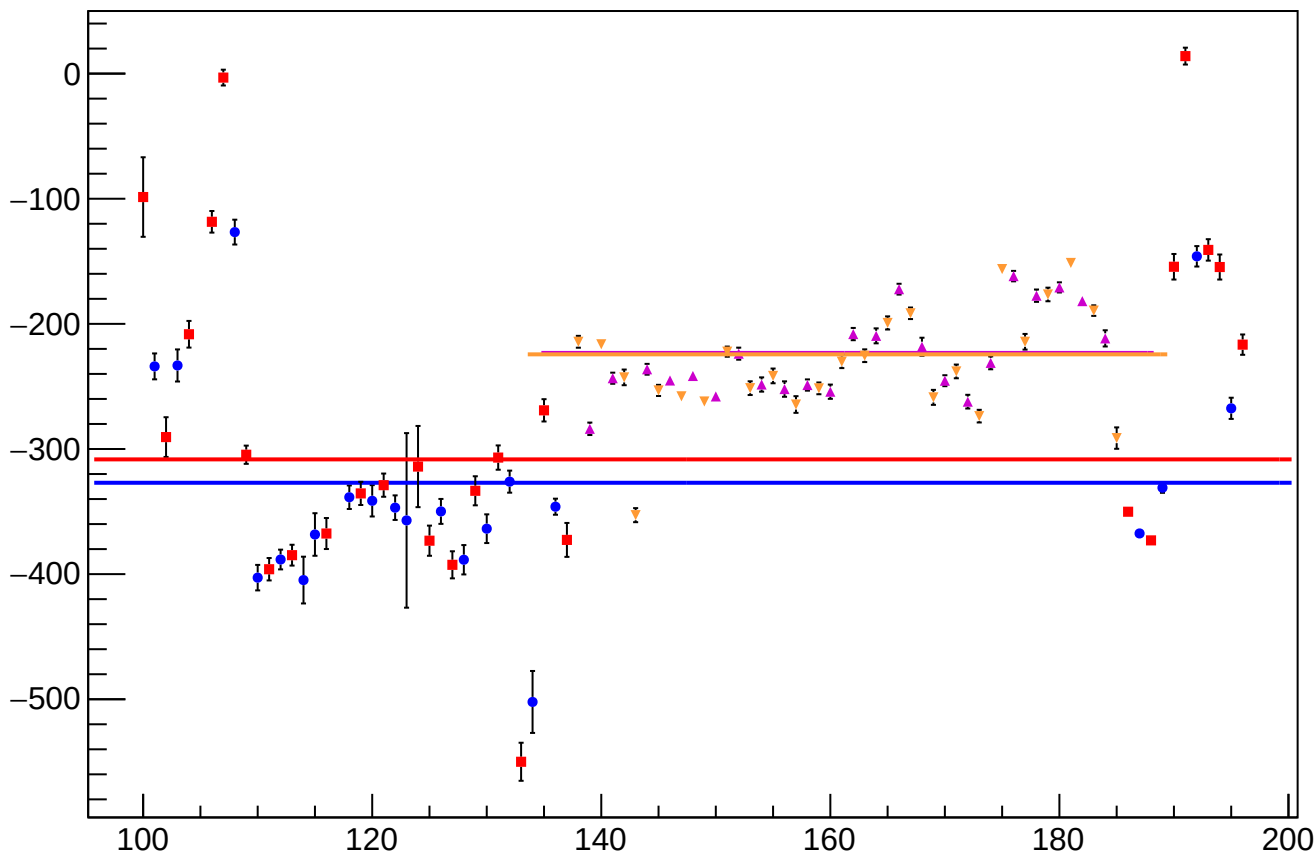
Left In: 6.862 ± 0.736 χ^2/NDF : 522.7/22

+ sign 7.843 ± 0.626 χ^2/NDF : 1324.0/45

All: 7.175 ± 0.437 χ^2/NDF : 2684.6/94

- sign 6.539 ± 0.611 χ^2/NDF : 1358.3/48

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -326.991 ± 1.819 χ^2/NDF : 1434.5/20

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -308.304 ± 1.298 χ^2/NDF : 8008.3/25

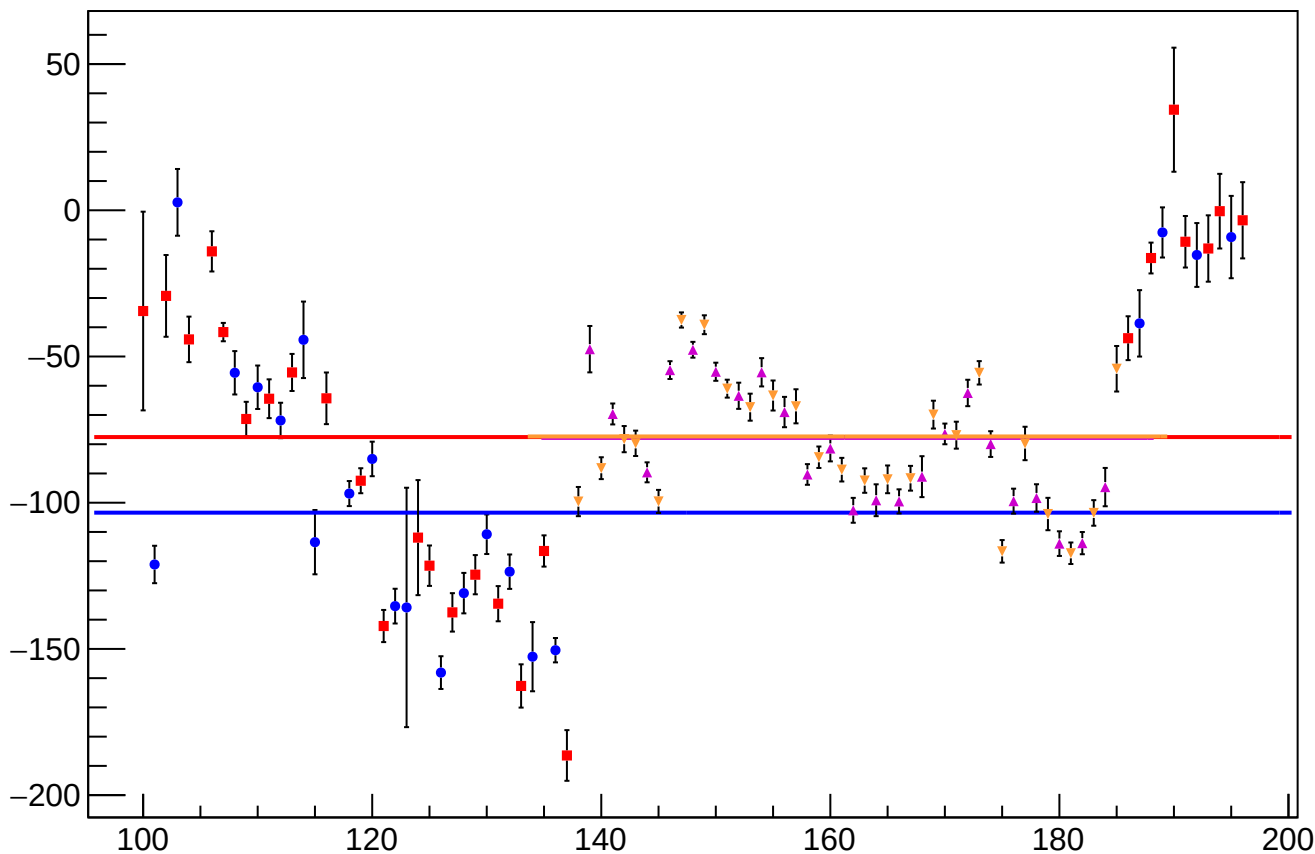
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -246.570 ± 0.846 χ^2/NDF : 6031.2/45

All: -250.421 ± 0.572 χ^2/NDF : 18104.3/94

- sign -253.665 ± 0.777 χ^2/NDF : 12035.0/48

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -103.403 ± 1.534 χ^2/NDF : 795.3/20

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -77.553 ± 1.320 χ^2/NDF : 1368.8/25

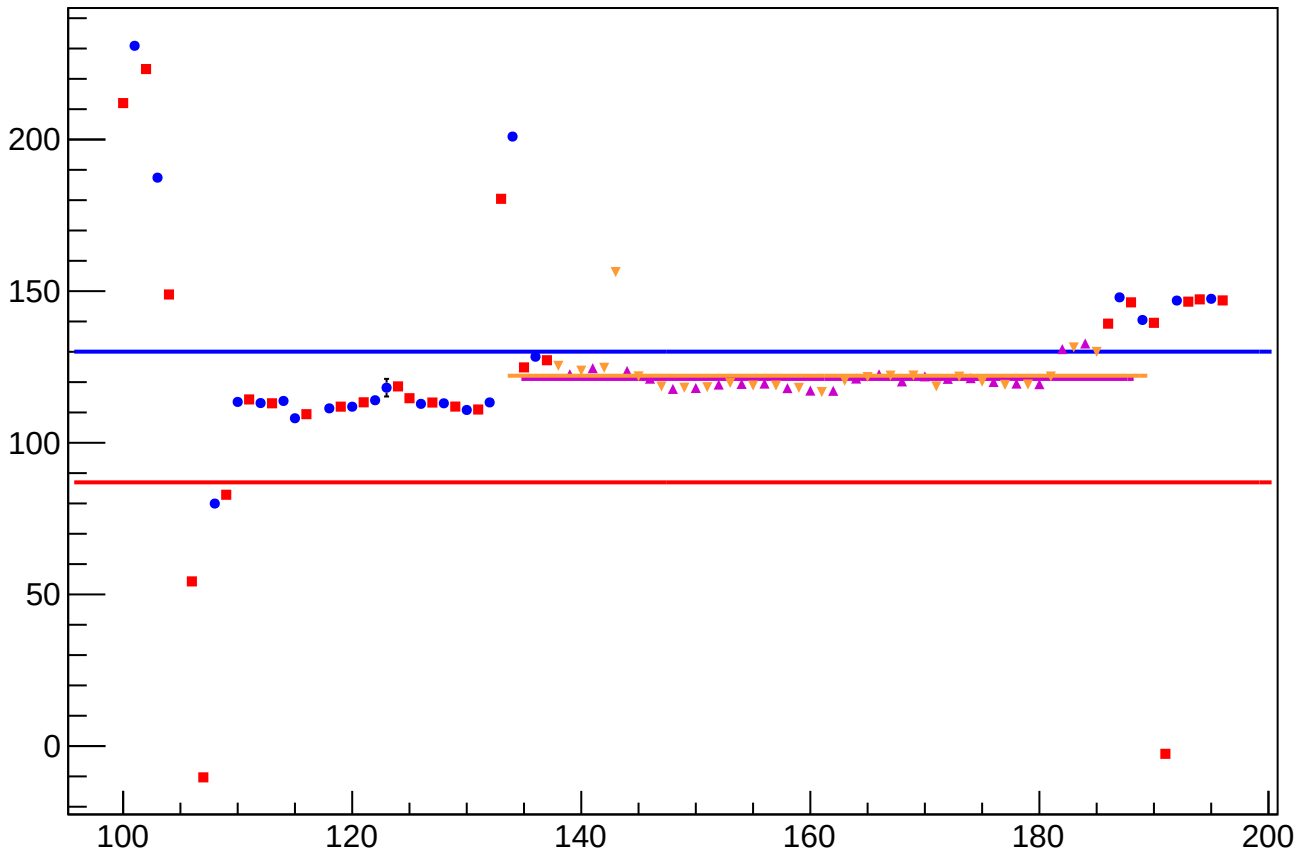
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -83.208 ± 0.728 χ^2/NDF : 1865.3/45

All: -80.429 ± 0.510 χ^2/NDF : 3885.5/94

- sign -77.755 ± 0.714 χ^2/NDF : 1991.7/48

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 130.052 $\pm$ 0.083 χ^2 /NDF: 194033.0/20

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF: 30480.7/24

Right Out: 86.956 $\pm$ 0.066 χ^2 /NDF: 1041349.6/25

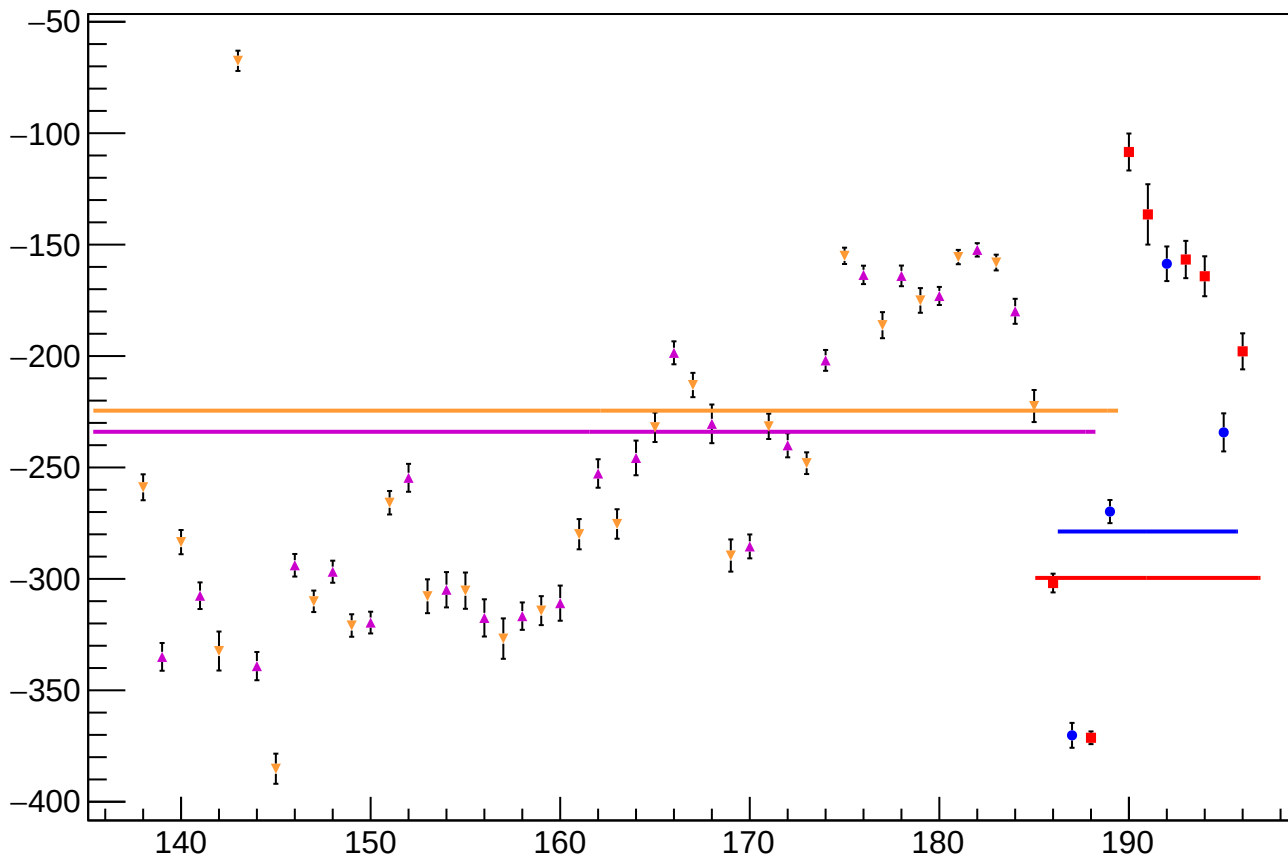
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 123.588 $\pm$ 0.036 χ^2 /NDF: 232018.2/45

All: 117.481 $\pm$ 0.025 χ^2 /NDF: 1535279.5/94

- sign 111.905 $\pm$ 0.034 χ^2 /NDF: 1246879.3/48

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -278.733+/-3.172 χ^2/NDF : 537.8/3

Left Out: -224.501+/-1.079 χ^2/NDF : 4870.6/24

Right Out: -299.561+/-2.035 χ^2/NDF : 1986.9/6

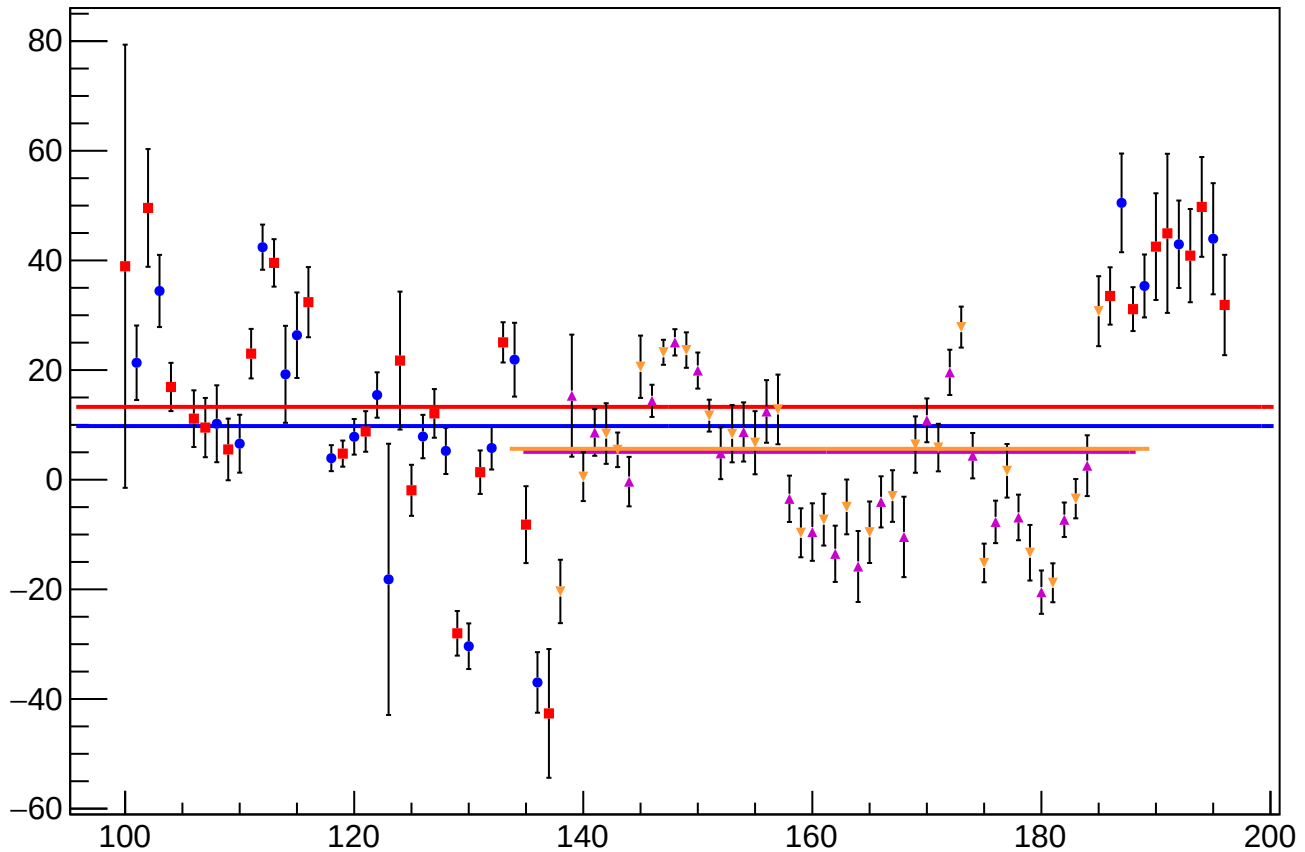
Left In: -233.988+/-1.109 χ^2/NDF : 3538.4/22

+ sign -230.126+/-1.022 χ^2/NDF : 5670.4/28

All: -240.015+/-0.705 χ^2/NDF : 12175.3/58

- sign -248.996+/-0.973 χ^2/NDF : 6326.1/29

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.785 ± 1.062 χ^2/NDF : 334.6/20

Left Out: 5.638 ± 0.828 χ^2/NDF : 313.6/24

Right Out: 13.287 ± 0.990 χ^2/NDF : 324.5/25

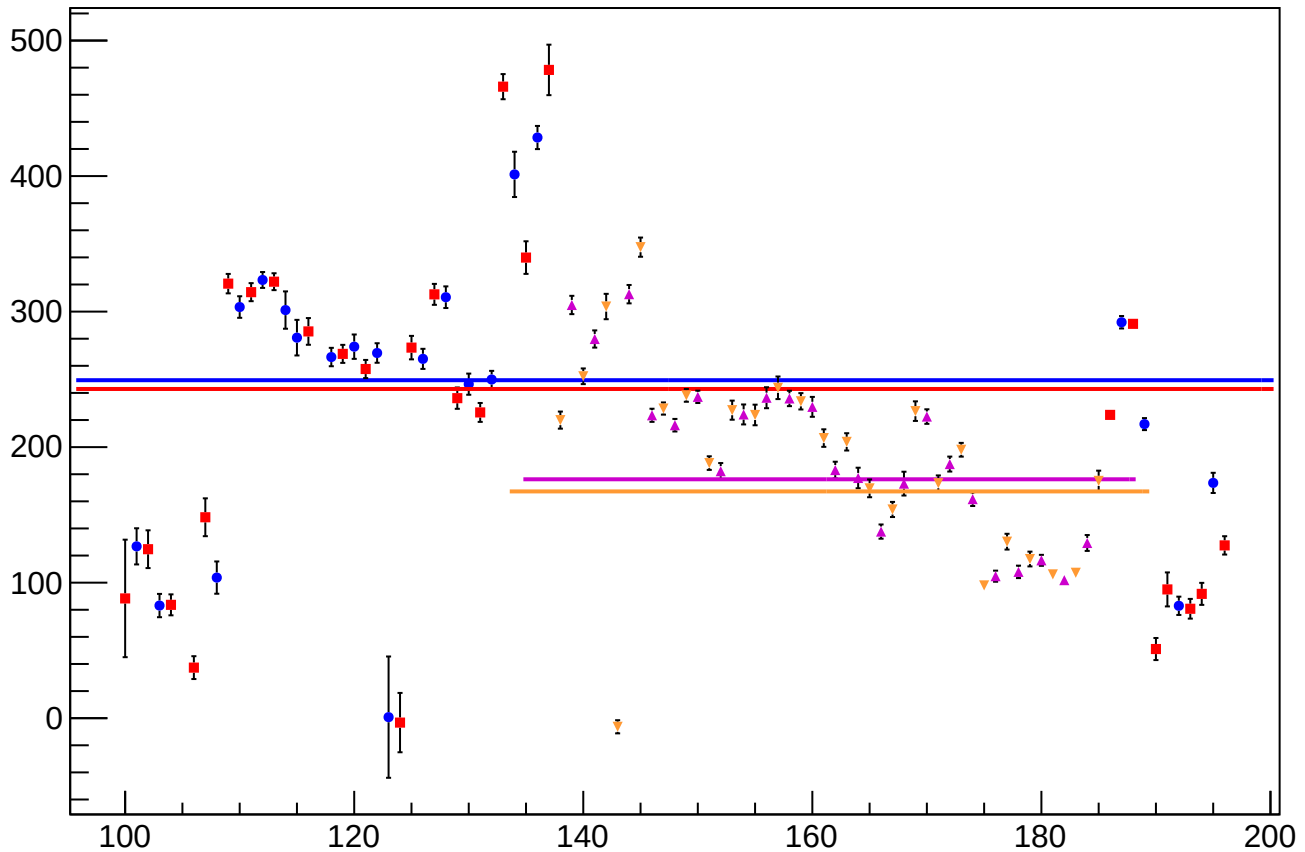
Left In: 5.077 ± 0.869 χ^2/NDF : 239.7/22

+ sign 7.206 ± 0.653 χ^2/NDF : 657.7/45

All: 7.928 ± 0.462 χ^2/NDF : 1263.2/94

- sign 8.651 ± 0.653 χ^2/NDF : 603.0/48

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 249.386 ± 1.652 χ^2/NDF : 2321.8/20

Left Out: 167.327 ± 1.082 χ^2/NDF : 4454.5/24

Right Out: 242.913 ± 1.281 χ^2/NDF : 4909.6/25

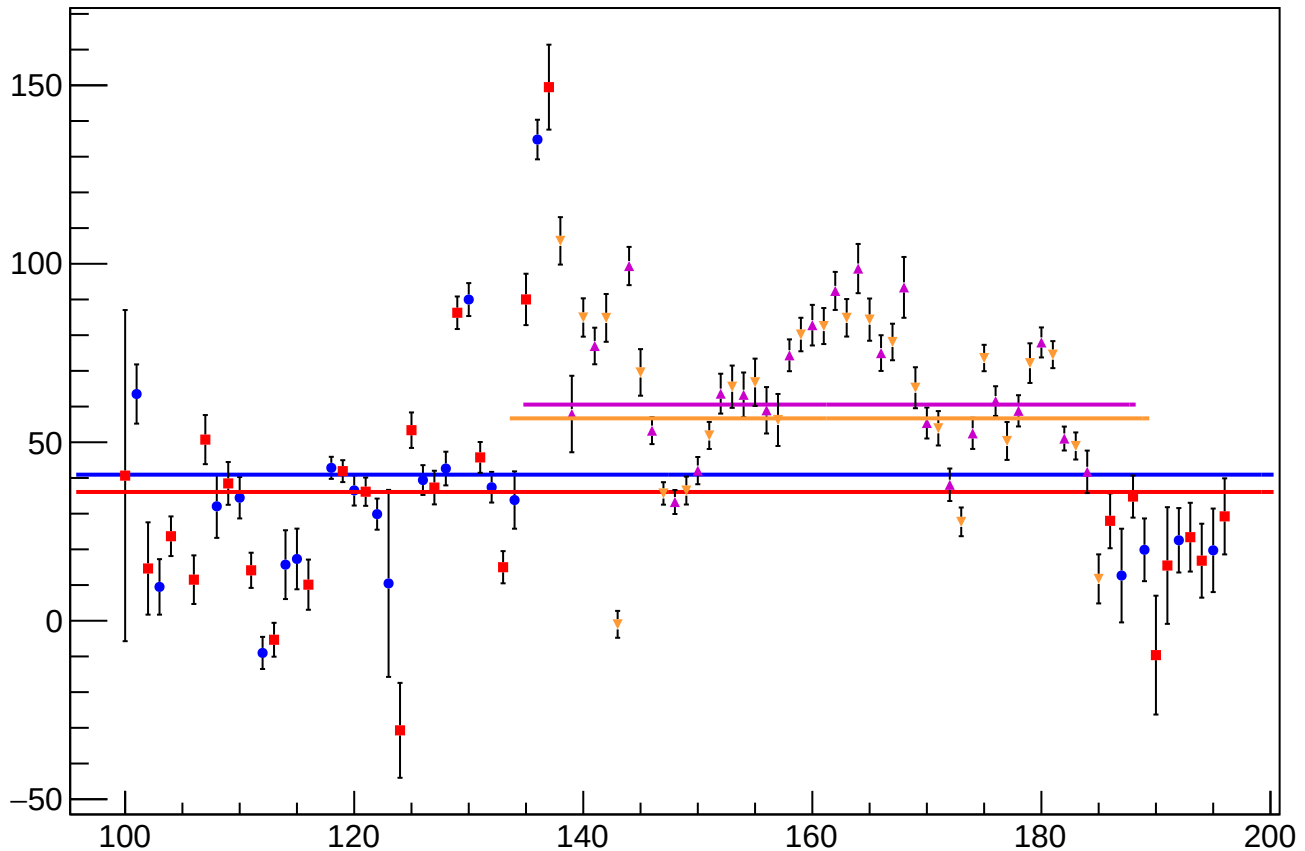
Left In: 176.272 ± 1.106 χ^2/NDF : 3169.5/22

+ sign 191.979 ± 0.905 χ^2/NDF : 8502.6/45

All: 198.854 ± 0.615 χ^2/NDF : 18239.8/94

- sign 204.729 ± 0.837 χ^2/NDF : 9630.3/48

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 40.923 $\pm$ 1.239 χ^2 /NDF: 592.0/20

Left Out: 56.695 $\pm$ 0.952 χ^2 /NDF: 690.4/24

Right Out: 36.077 $\pm$ 1.166 χ^2 /NDF: 487.4/25

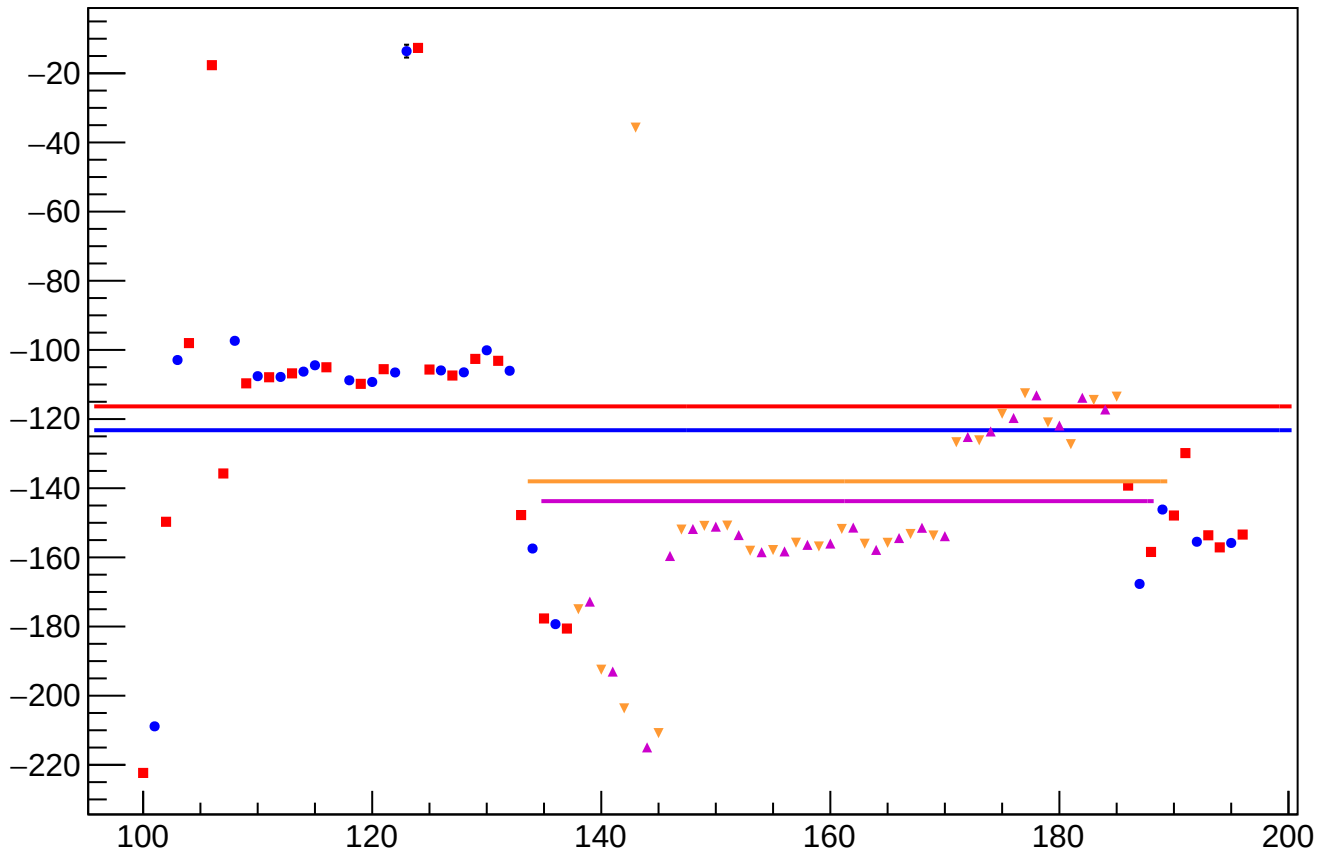
Left In: 60.555 $\pm$ 0.990 χ^2 /NDF: 335.6/22

+ sign 50.839 $\pm$ 0.755 χ^2 /NDF: 1384.4/45

All: 50.569 $\pm$ 0.534 χ^2 /NDF: 2463.7/94

- sign 50.300 $\pm$ 0.755 χ^2 /NDF: 1079.0/48

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -123.223+/-0.072 χ^2/NDF : 175491.5/20

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -116.333+/-0.064 χ^2/NDF : 418554.4/25

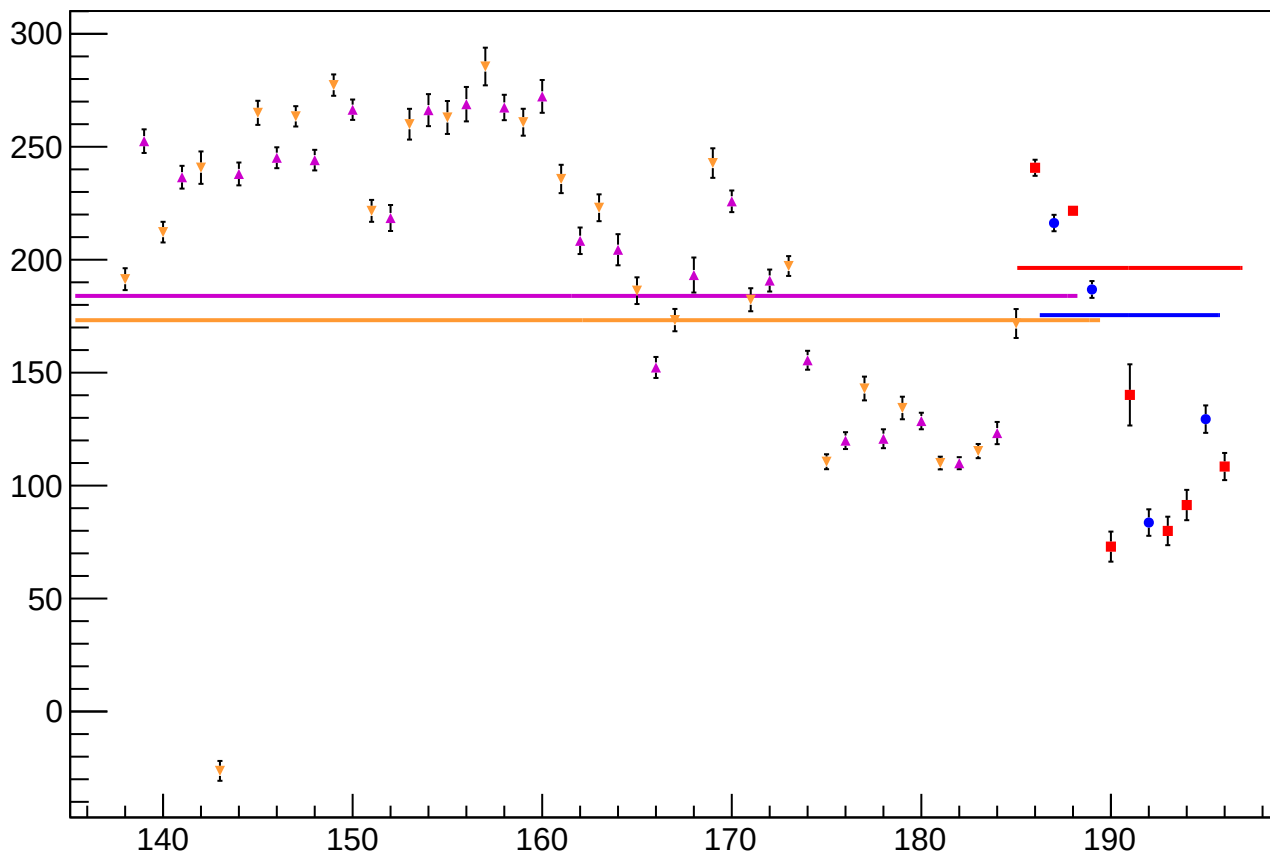
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -133.872+/-0.038 χ^2/NDF : 771289.1/45

All: -134.134+/-0.027 χ^2/NDF : 1568910.1/94

- sign -134.385+/-0.037 χ^2/NDF : 797529.1/48

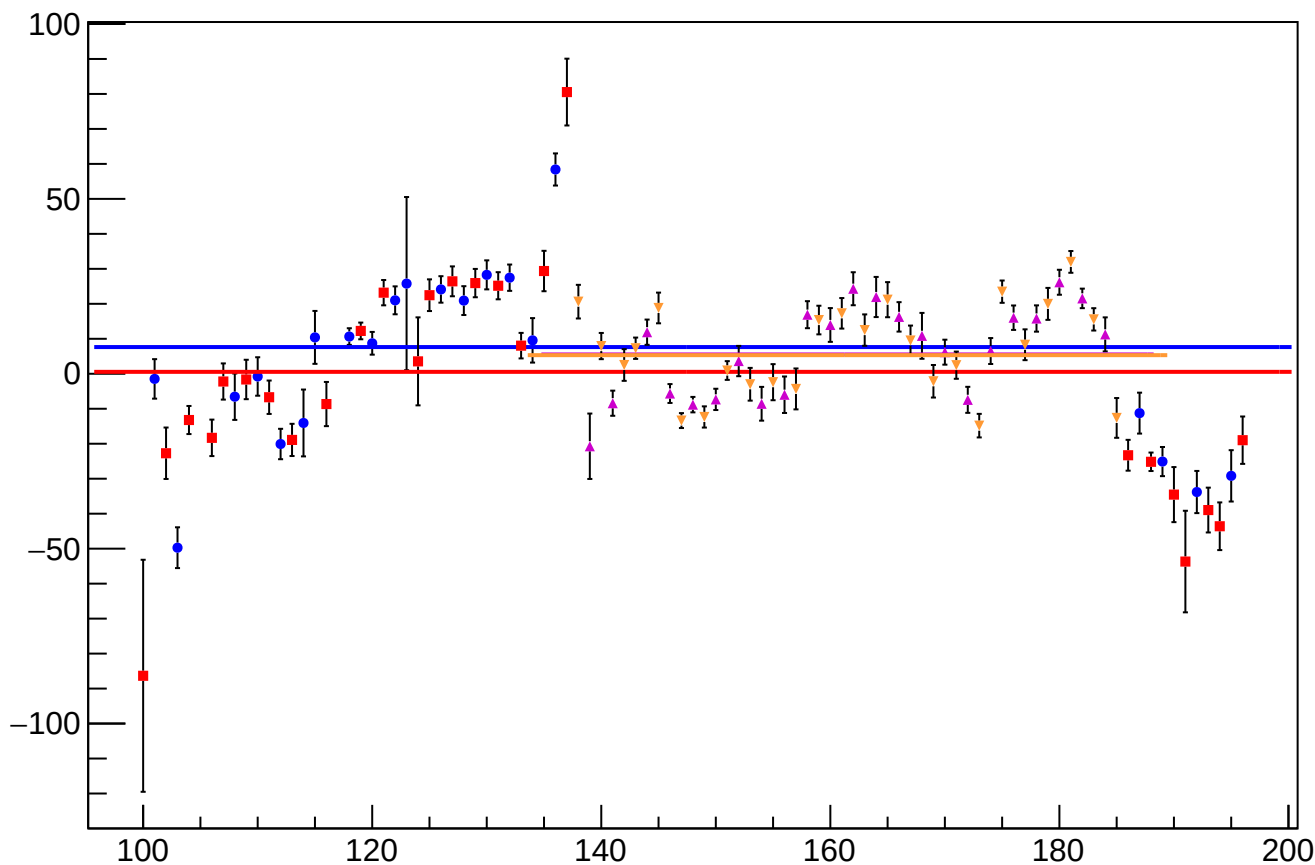
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 175.469 $\pm$ 2.213 χ^2 /NDF: 437.7/3
 Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF:5846.0/24
 Right Out: 196.365 $\pm$ 1.459 χ^2 /NDF: 1499.8/6
 Left In: 183.984 $\pm$ 0.991 χ^2 /NDF:3613.7/22

+ sign 173.588 $\pm$ 0.885 χ^2 /NDF: 6284.5/28
 All: 181.287 $\pm$ 0.601 χ^2 /NDF: 11588.0/58
 - sign 187.893 $\pm$ 0.820 χ^2 /NDF: 5162.8/29

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 7.636 ± 1.002 $\chi^2/\text{NDF}: 514.4/20$

Left Out: 5.321 ± 0.747 $\chi^2/\text{NDF}: 345.5/24$

Right Out: 0.551 ± 0.916 $\chi^2/\text{NDF}: 612.9/25$

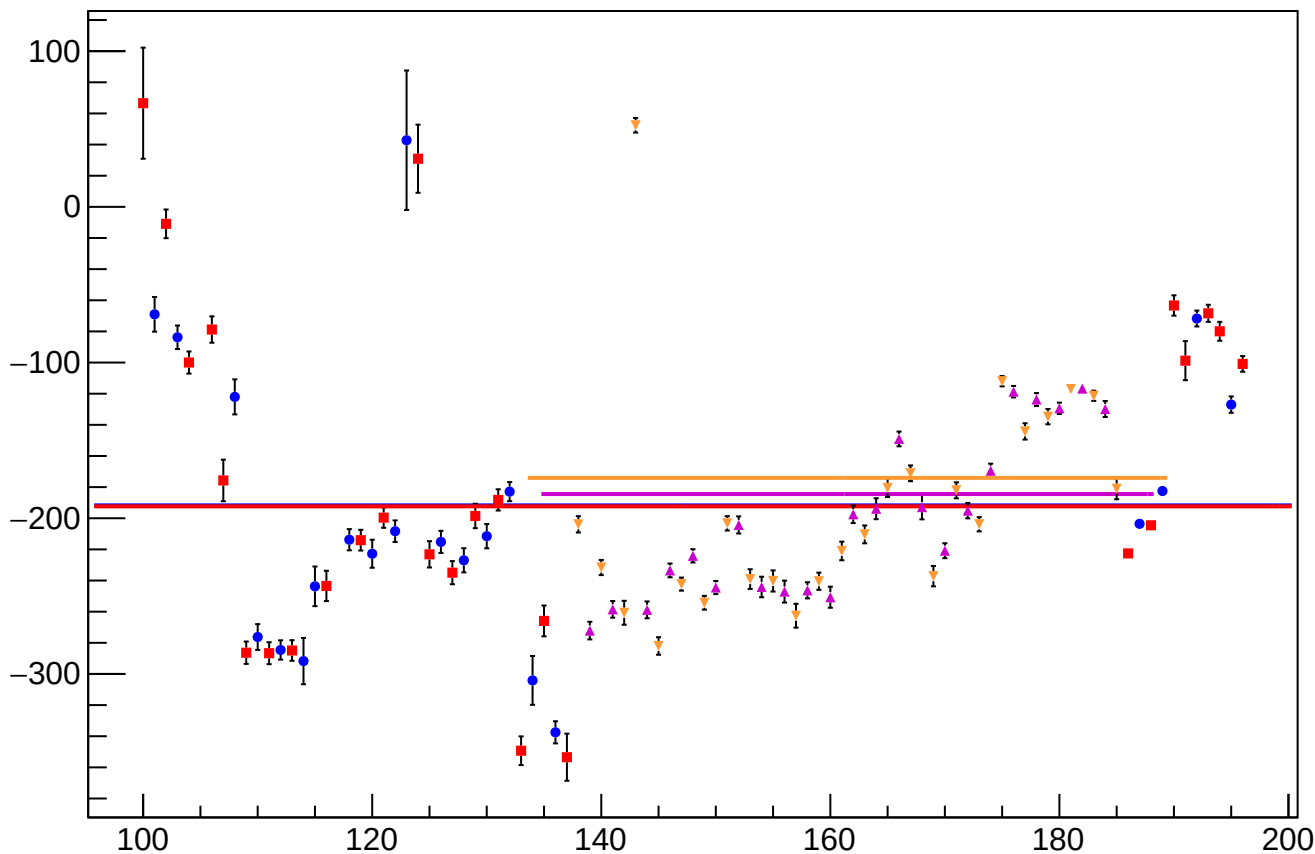
Left In: 5.527 ± 0.781 $\chi^2/\text{NDF}: 256.3/22$

+ sign 6.149 ± 0.599 $\chi^2/\text{NDF}: 863.4/45$

All: 4.780 ± 0.422 $\chi^2/\text{NDF}: 1760.1/94$

- sign 3.432 ± 0.594 $\chi^2/\text{NDF}: 886.3/48$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -191.736 ± 1.368 χ^2/NDF : 2051.6/20

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -192.356 ± 1.017 χ^2/NDF : 3795.9/25

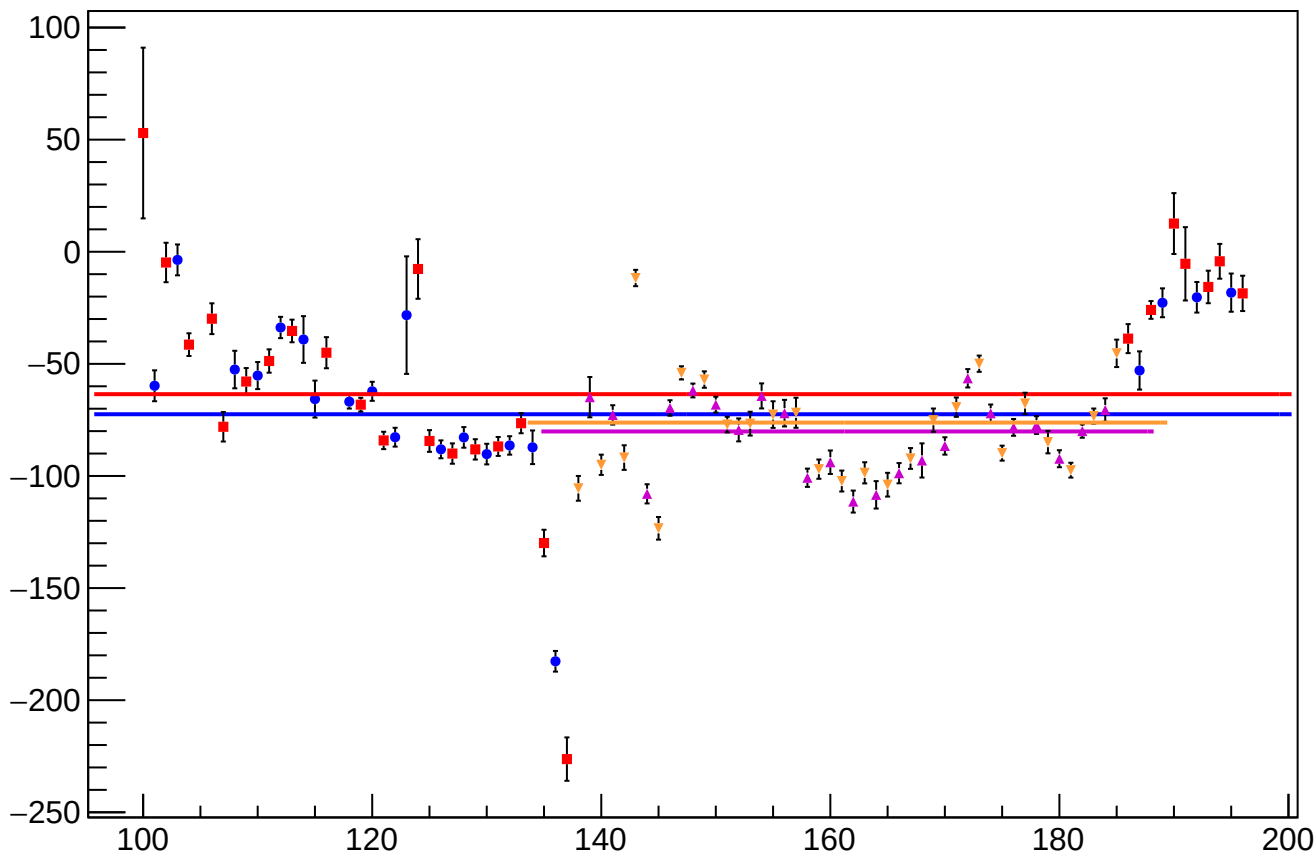
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -179.978 ± 0.792 χ^2/NDF : 7605.8/45

All: -184.596 ± 0.528 χ^2/NDF : 14545.6/94

- sign -188.304 ± 0.709 χ^2/NDF : 6878.4/48

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -72.470 ± 1.175 $\chi^2/\text{NDF}: 997.3/20$

Left Out: -76.182 ± 0.857 $\chi^2/\text{NDF}: 801.0/24$

Right Out: -63.517 ± 1.095 $\chi^2/\text{NDF}: 1010.2/25$

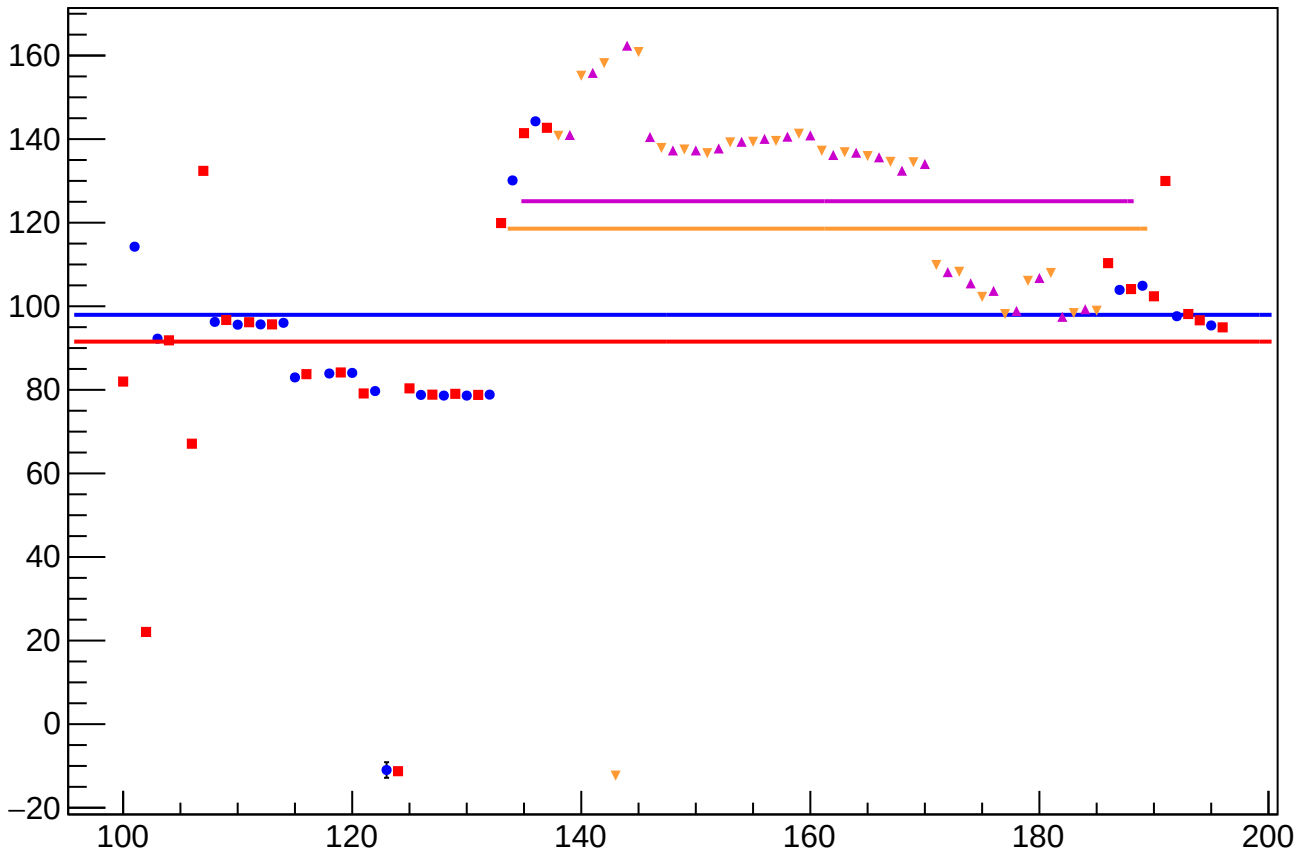
Left In: -80.149 ± 0.889 $\chi^2/\text{NDF}: 283.3/22$

+ sign -74.893 ± 0.693 $\chi^2/\text{NDF}: 1804.8/45$

All: -74.216 ± 0.489 $\chi^2/\text{NDF}: 3239.2/94$

- sign -73.545 ± 0.690 $\chi^2/\text{NDF}: 1432.5/48$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.952 ± 0.065 $\chi^2/\text{NDF}: 94693.5/20$

Left Out: 118.569 ± 0.040 $\chi^2/\text{NDF}: 728689.7/24$

Right Out: 91.542 ± 0.057 $\chi^2/\text{NDF}: 239745.0/25$

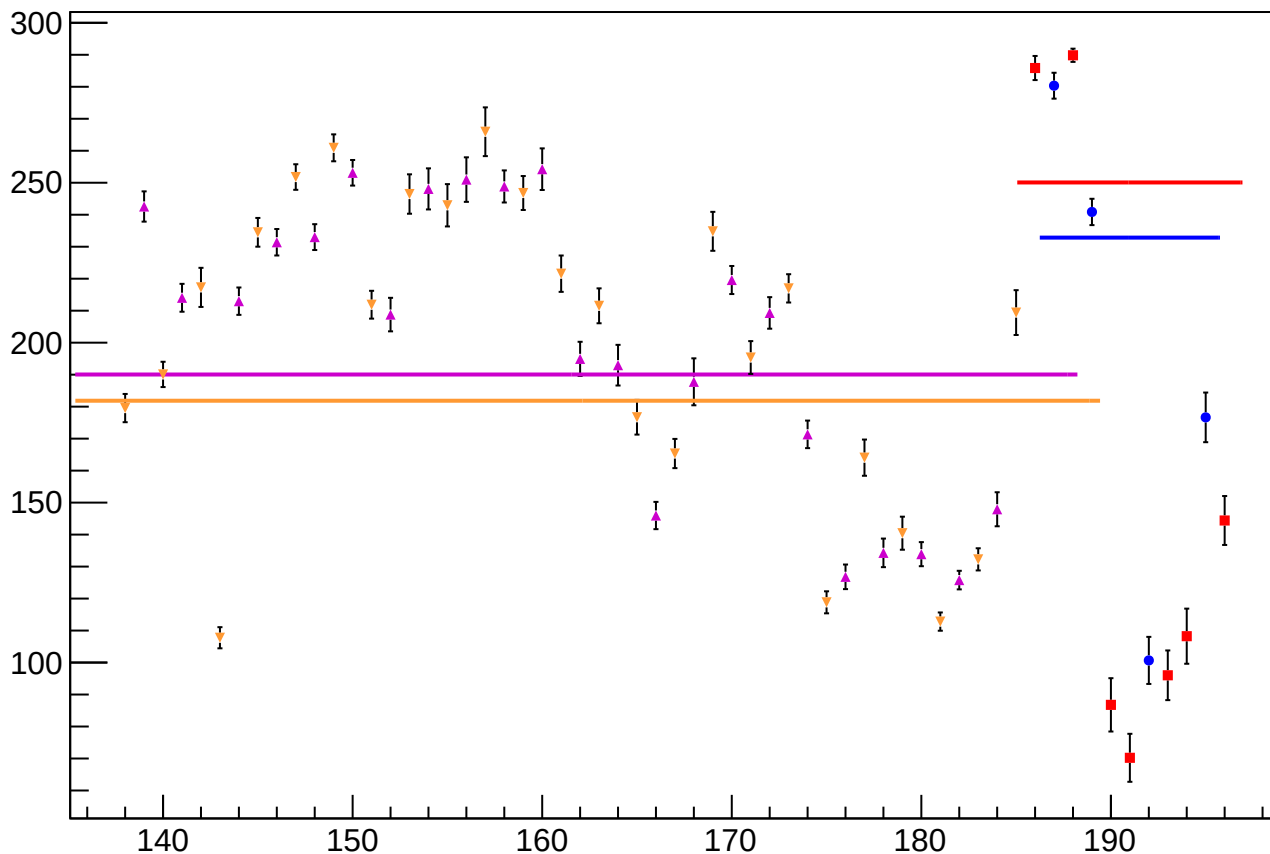
Left In: 125.139 ± 0.041 $\chi^2/\text{NDF}: 220927.1/22$

+ sign 112.835 ± 0.034 $\chi^2/\text{NDF}: 895474.4/45$

All: 113.211 ± 0.024 $\chi^2/\text{NDF}: 1584538.6/94$

- sign 113.565 ± 0.033 $\chi^2/\text{NDF}: 688832.7/48$

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 232.845 $\pm$ 2.538 χ^2 /NDF: 516.5/3

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF:3303.4/24

Right Out: 250.087 $\pm$ 1.615 χ^2 /NDF: 2274.1/6

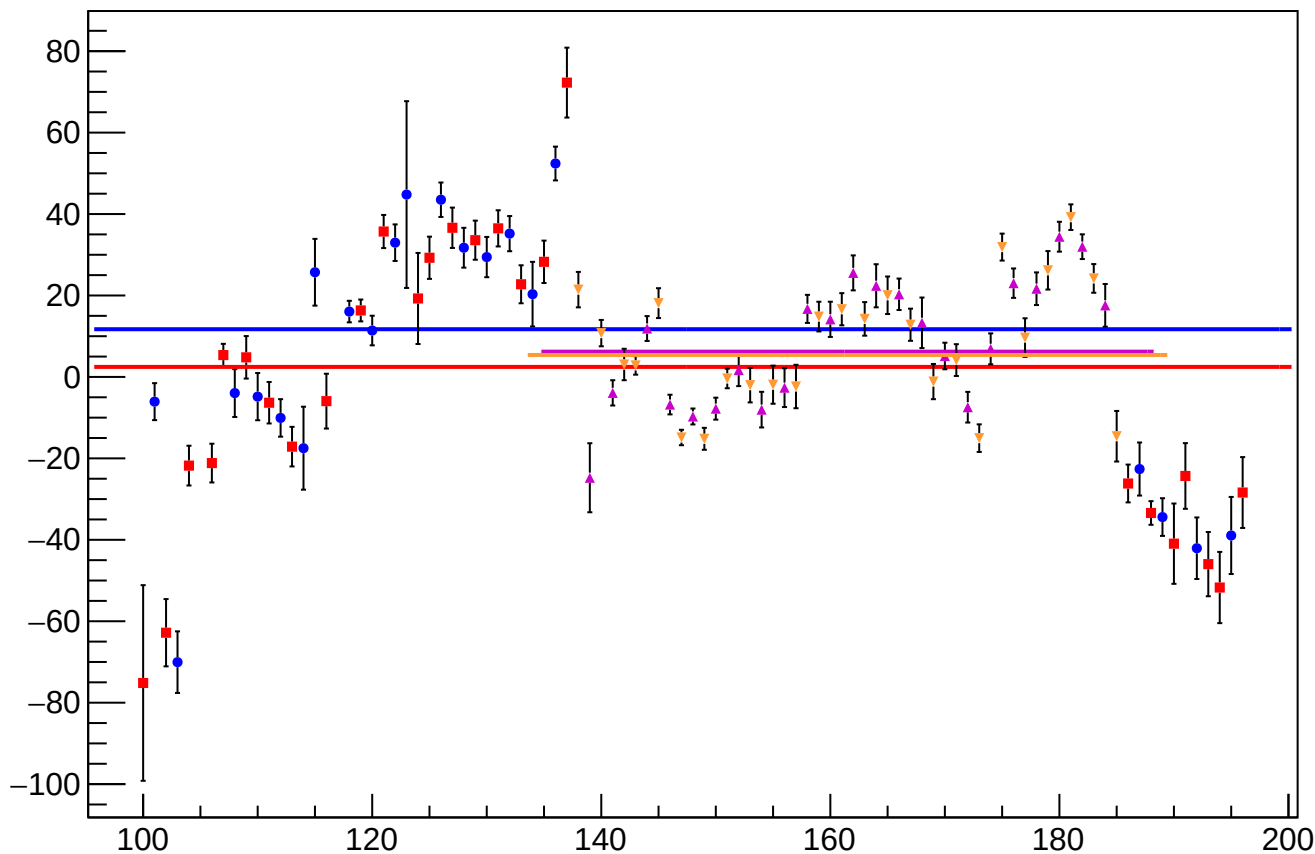
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 187.697 $\pm$ 0.859 χ^2 /NDF: 4177.3/28

All: 197.039 $\pm$ 0.594 χ^2 /NDF: 10141.3/58

- sign 205.557 $\pm$ 0.821 χ^2 /NDF: 5738.0/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 11.716 $\pm$ 1.096 χ^2 /NDF: 627.8/20

Left Out: 5.394 $\pm$ 0.688 χ^2 /NDF: 526.5/24

Right Out: 2.463 $\pm$ 0.961 χ^2 /NDF: 834.4/25

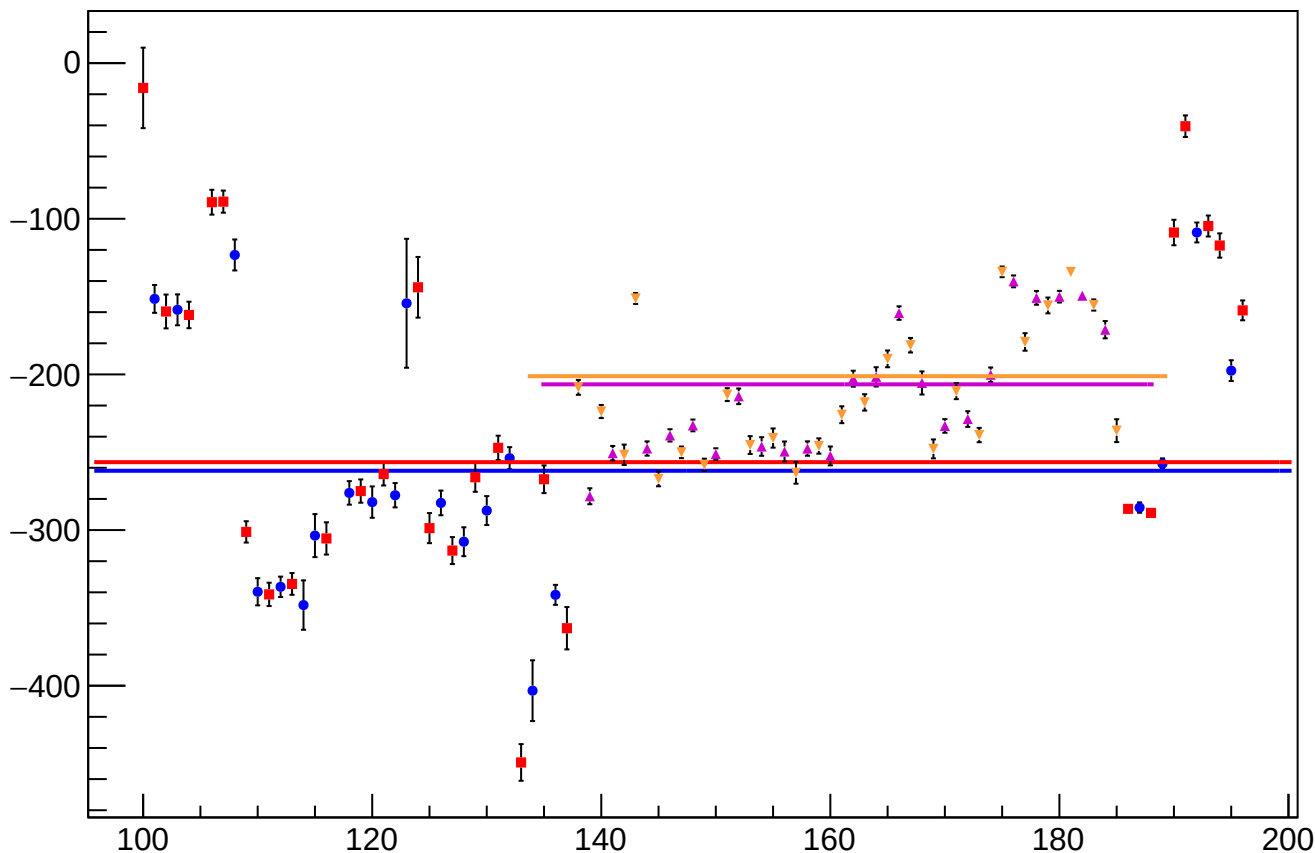
Left In: 6.206 $\pm$ 0.732 χ^2 /NDF: 407.5/22

+ sign 7.180 $\pm$ 0.583 χ^2 /NDF: 1178.2/45

All: 6.005 $\pm$ 0.412 χ^2 /NDF: 2437.8/94

- sign 4.833 $\pm$ 0.582 χ^2 /NDF: 1251.5/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -261.898 ± 1.522 χ^2/NDF : 1683.9/20

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -256.363 ± 1.107 χ^2/NDF : 4869.6/25

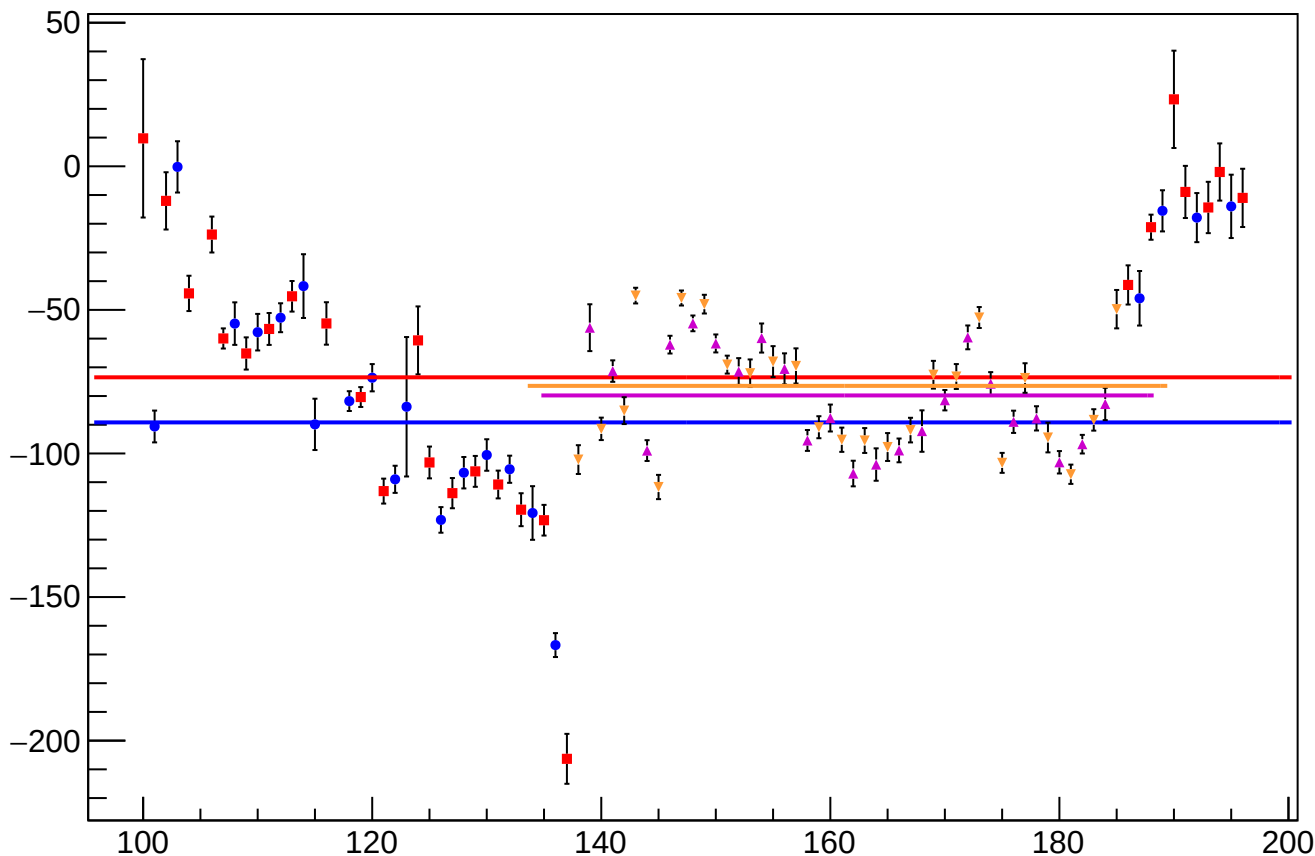
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -217.344 ± 0.786 χ^2/NDF : 5341.0/45

All: -222.898 ± 0.531 χ^2/NDF : 13588.7/94

- sign -227.568 ± 0.721 χ^2/NDF : 8155.7/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -89.183 ± 1.284 χ^2/NDF : 933.9/20

Left Out: -76.460 ± 0.797 χ^2/NDF : 781.3/24

Right Out: -73.483 ± 1.152 χ^2/NDF : 1232.8/25

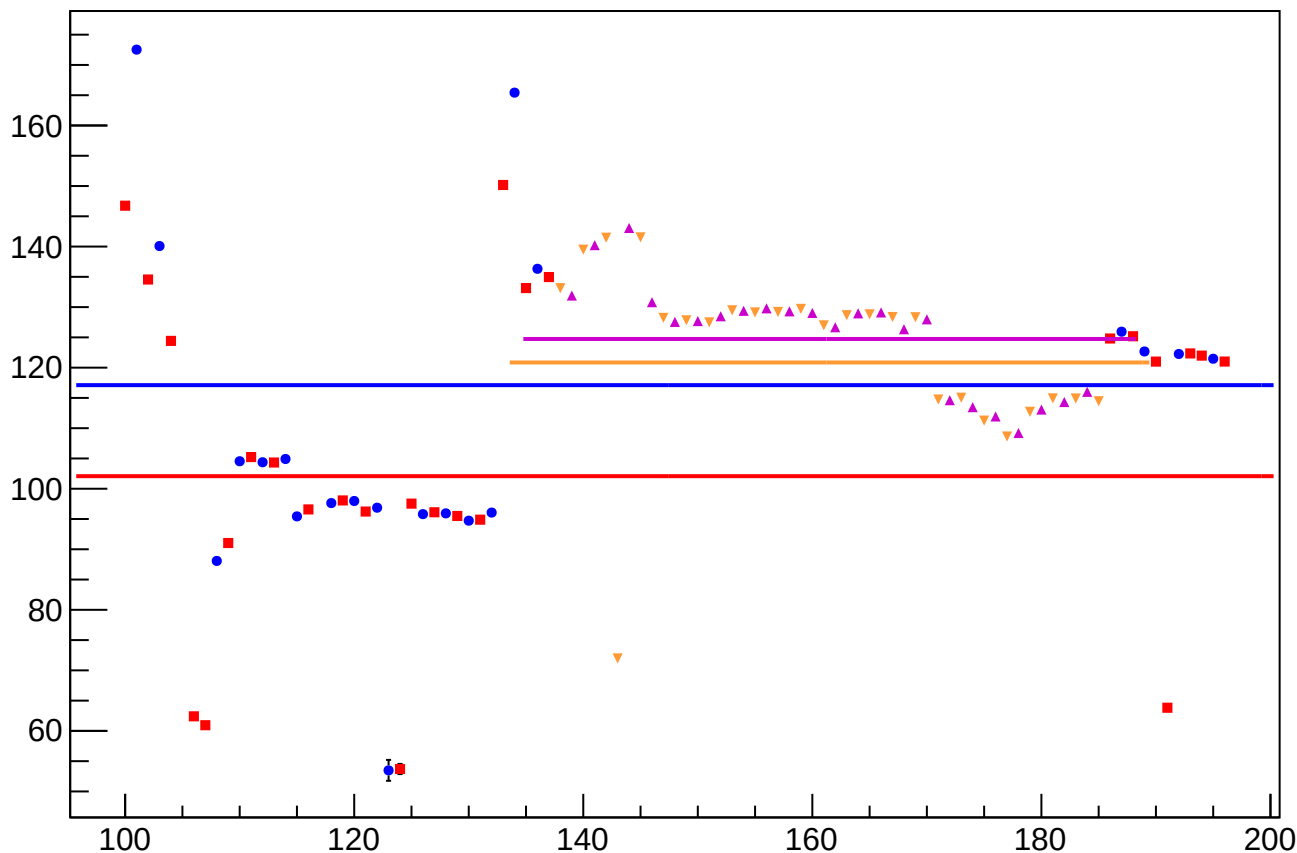
Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

+ sign -79.996 ± 0.677 χ^2/NDF : 1786.2/45

All: -78.803 ± 0.479 χ^2/NDF : 3457.0/94

- sign -77.604 ± 0.679 χ^2/NDF : 1664.6/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.110 $\pm$ 0.071 χ^2 /NDF: 106915.6/20

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF:182759.1/24

Right Out: 102.074 $\pm$ 0.059 χ^2 /NDF: 225432.0/25

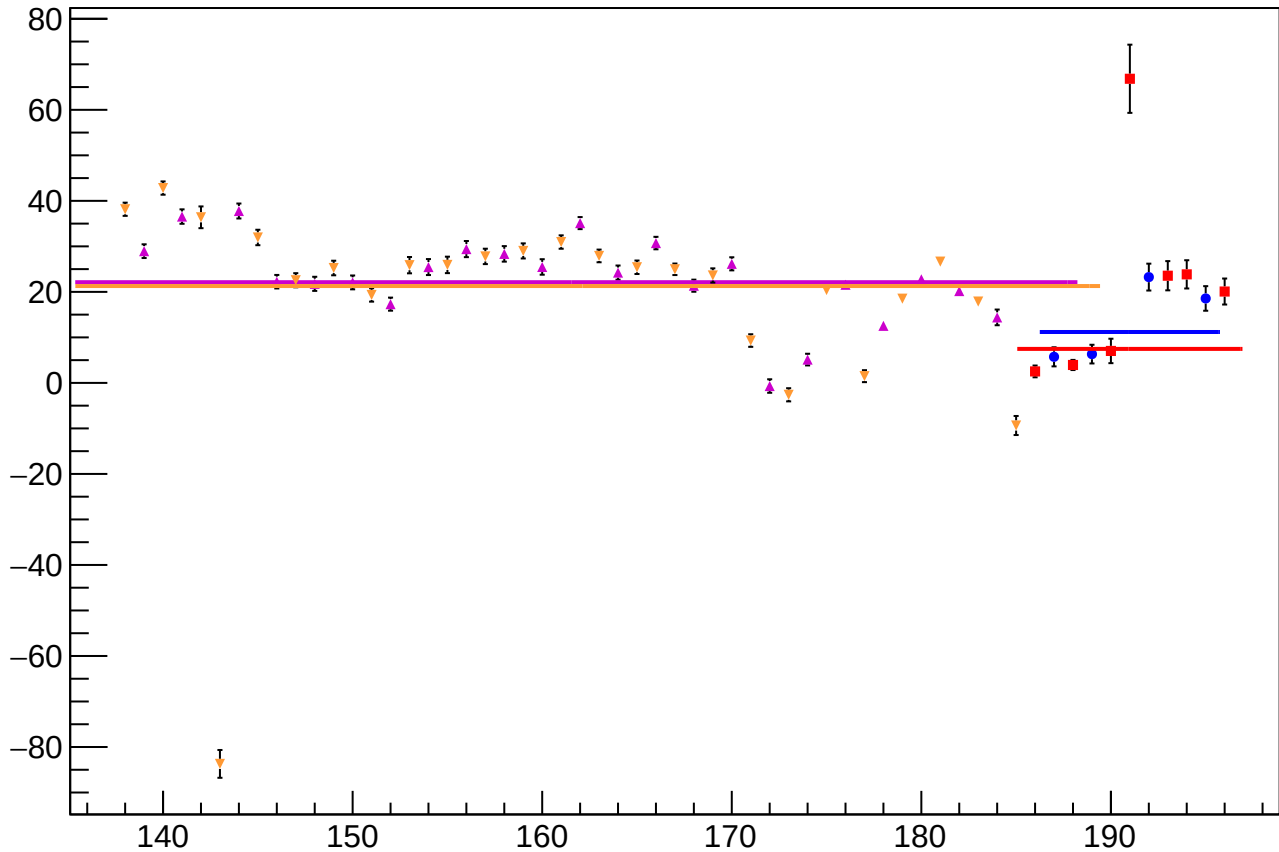
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

+ sign 120.027 $\pm$ 0.034 χ^2 /NDF: 291817.1/45

All: 118.856 $\pm$ 0.023 χ^2 /NDF: 673707.2/94

- sign 117.751 $\pm$ 0.033 χ^2 /NDF: 379528.3/48

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 11.186 $\pm$ 1.181 χ^2 /NDF: 36.5/3

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF:2600.5/24

Right Out: 7.471 $\pm$ 0.729 χ^2 /NDF: 159.8/6

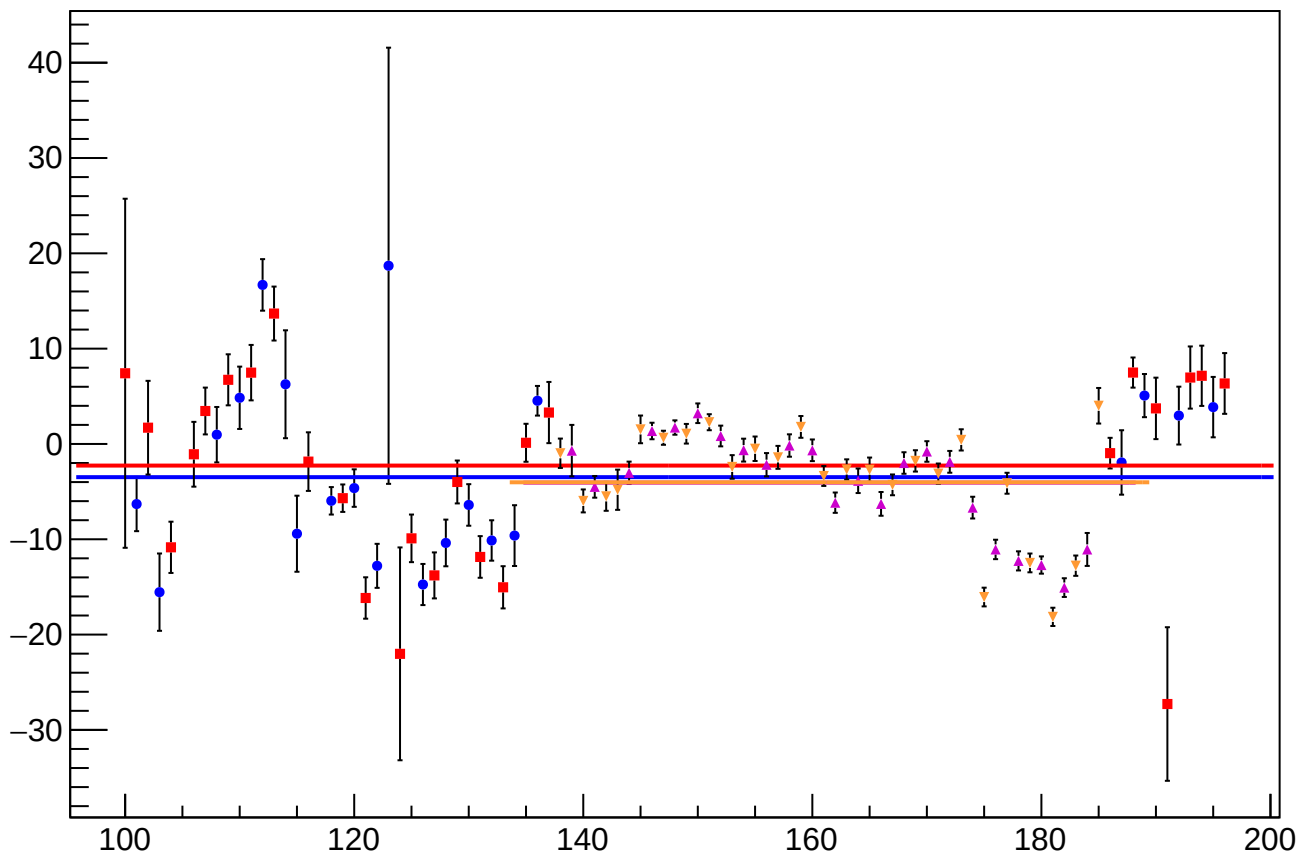
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF:900.2/22

+ sign 20.736 $\pm$ 0.275 χ^2 /NDF: 2706.1/28

All: 20.447 $\pm$ 0.191 χ^2 /NDF: 4118.9/58

- sign 20.177 $\pm$ 0.266 χ^2 /NDF: 1410.6/29

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.484 ± 0.544 χ^2/NDF : 201.4/20

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -2.268 ± 0.493 χ^2/NDF : 286.5/25

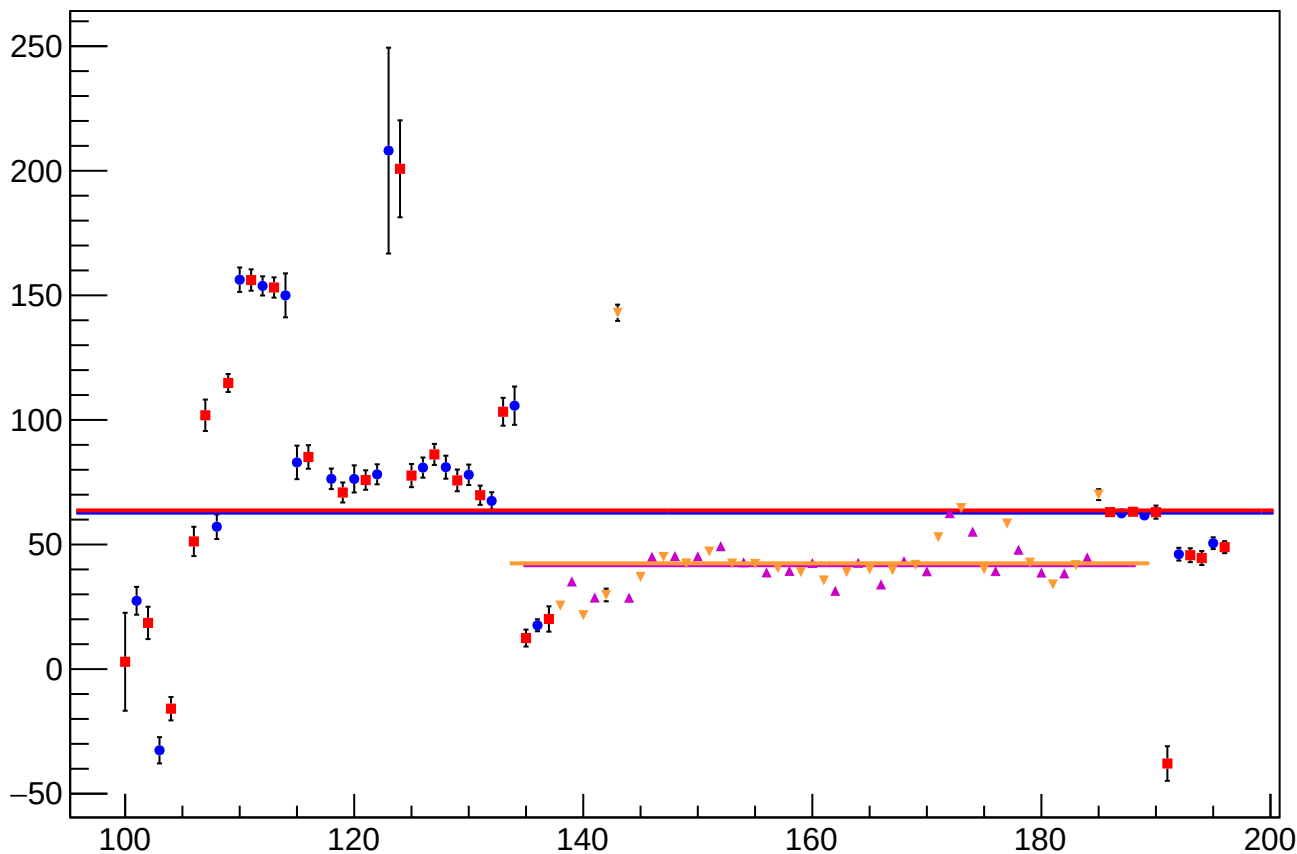
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.944 ± 0.206 χ^2/NDF : 936.4/45

All: -3.844 ± 0.146 χ^2/NDF : 1811.4/94

- sign -3.743 ± 0.207 χ^2/NDF : 874.6/48

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 62.805 $\pm$ 0.738 χ^2 /NDF: 1945.4/20

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 63.684 $\pm$ 0.525 χ^2 /NDF: 2356.4/25

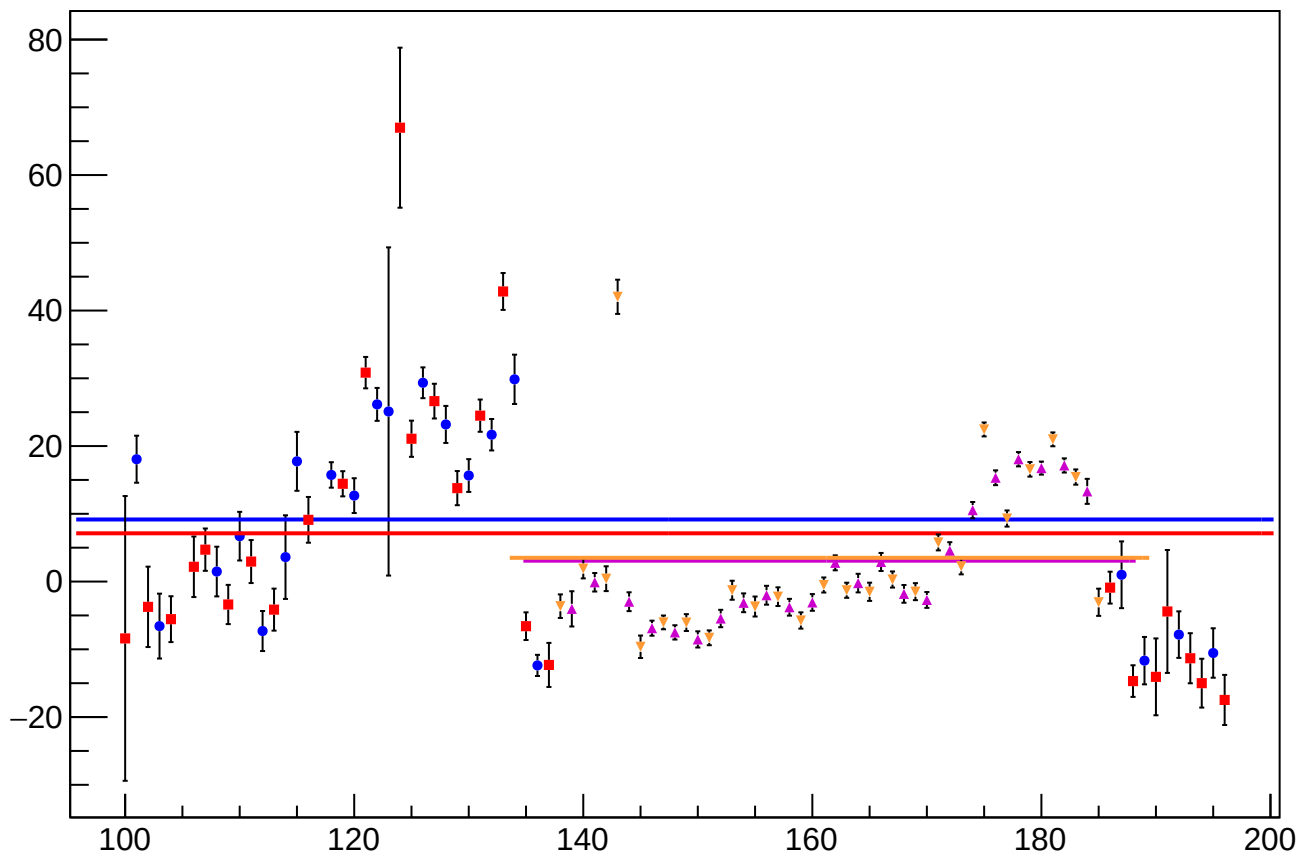
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 45.047 $\pm$ 0.263 χ^2 /NDF: 4625.7/45

All: 45.905 $\pm$ 0.181 χ^2 /NDF: 8989.6/94

- sign 46.677 $\pm$ 0.250 χ^2 /NDF: 4343.7/48

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 9.163 $\pm$ 0.629 χ^2/NDF : 577.2/20

Left Out: 3.505 $\pm$ 0.252 χ^2/NDF :1691.3/24

Right Out: 7.122 $\pm$ 0.588 χ^2/NDF : 813.5/25

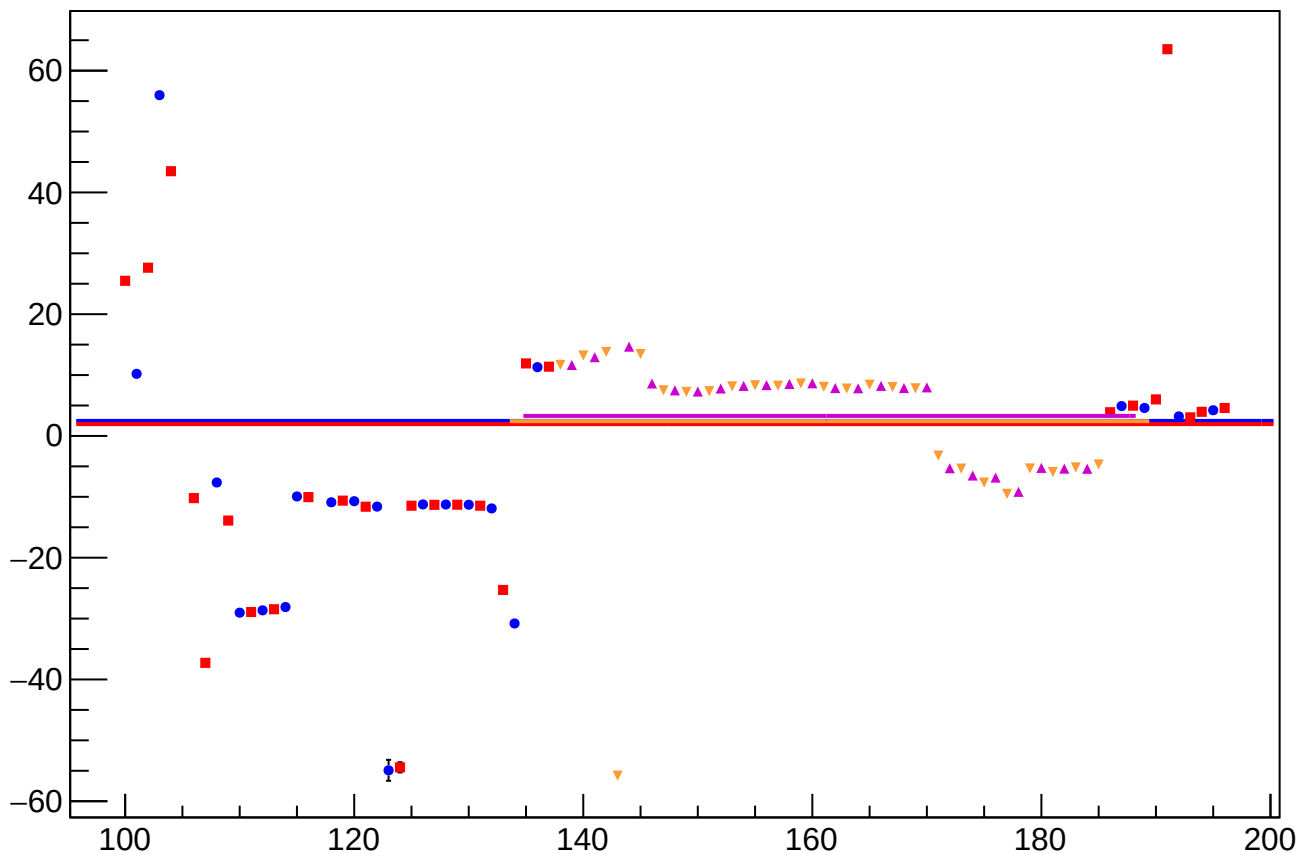
Left In: 3.081 $\pm$ 0.257 χ^2/NDF :1265.7/22

+ sign 4.290 $\pm$ 0.234 χ^2/NDF : 2338.2/45

All: 4.011 $\pm$ 0.166 χ^2/NDF : 4459.9/94

- sign 3.729 $\pm$ 0.236 χ^2/NDF : 2118.8/48

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.468 $\pm$ 0.032 χ^2 /NDF: 358612.5/20

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 1.940 $\pm$ 0.030 χ^2 /NDF: 429541.2/25

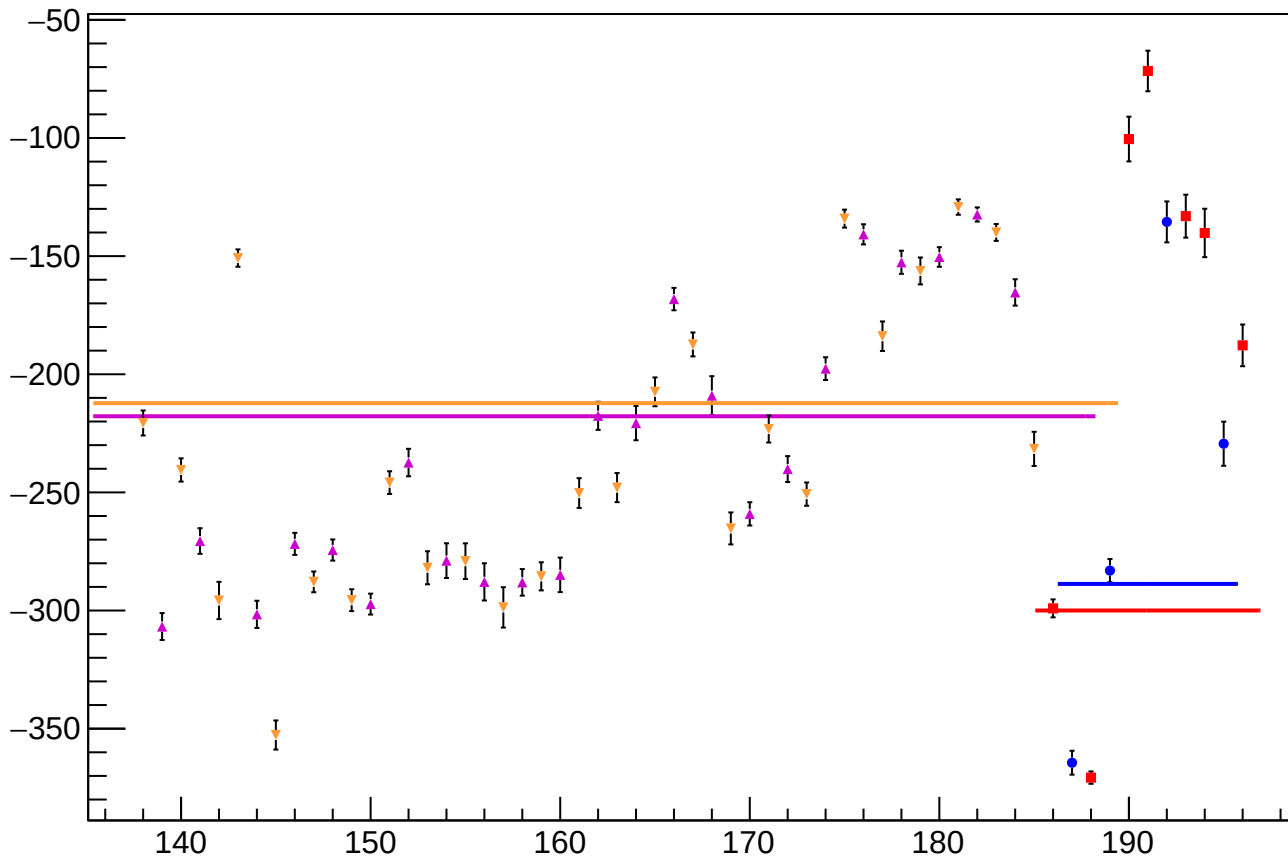
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.430 $\pm$ 0.011 χ^2 /NDF: 974996.5/45

All: 2.773 $\pm$ 0.008 χ^2 /NDF: 1812622.3/94

- sign 3.113 $\pm$ 0.011 χ^2 /NDF: 835654.0/48

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -288.738 ± 3.079 $\chi^2/\text{NDF}: 577.6/3$

Left Out: -212.231 ± 1.029 $\chi^2/\text{NDF}: 3875.4/24$

Right Out: -299.980 ± 1.908 $\chi^2/\text{NDF}: 2626.6/6$

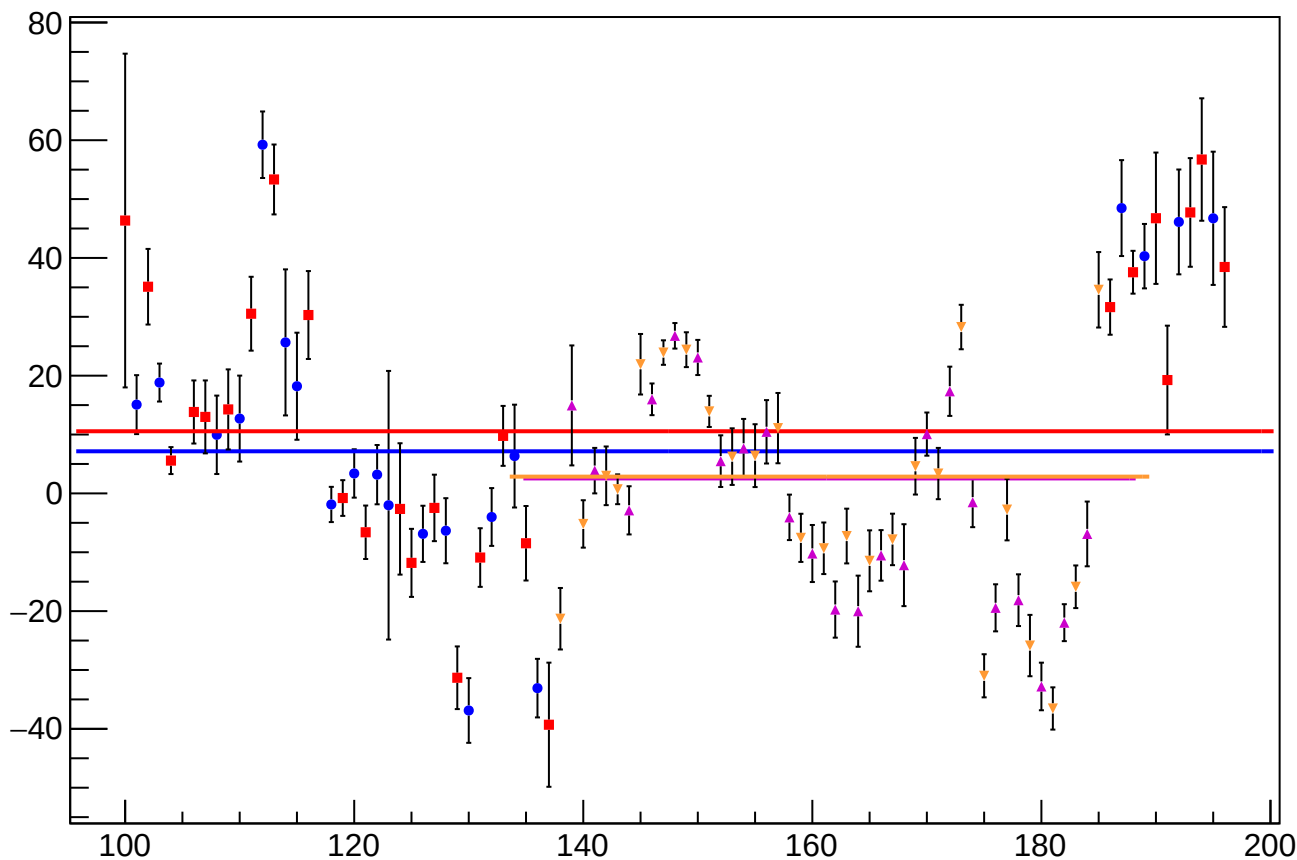
Left In: -217.779 ± 1.067 $\chi^2/\text{NDF}: 3448.9/22$

+ sign -219.922 ± 0.976 $\chi^2/\text{NDF}: 5008.2/28$

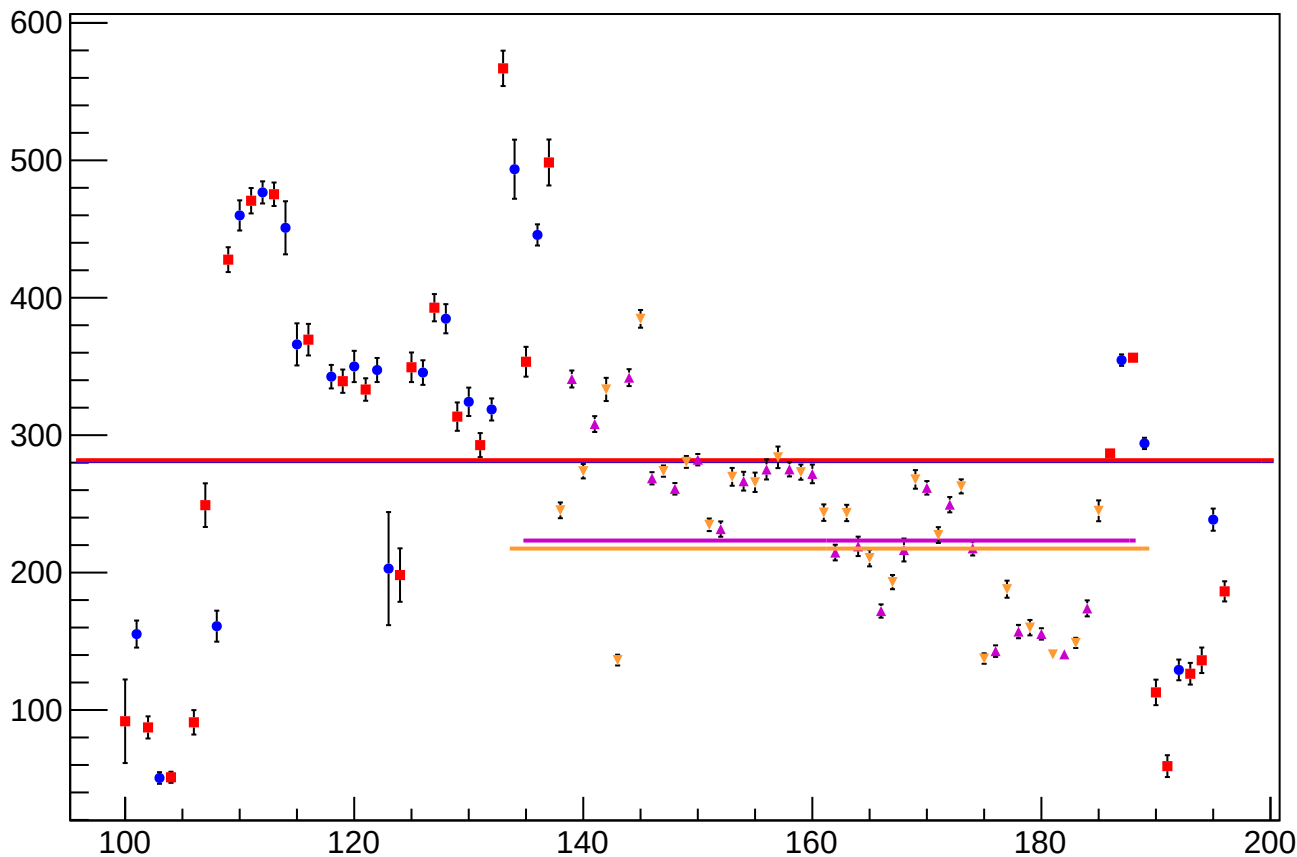
All: -229.049 ± 0.674 $\chi^2/\text{NDF}: 12664.4/58$

- sign -237.352 ± 0.931 $\chi^2/\text{NDF}: 7489.3/29$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 281.108 $\pm$ 1.678 χ^2 /NDF: 5861.9/20

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 281.785 $\pm$ 1.251 χ^2 /NDF: 9771.0/25

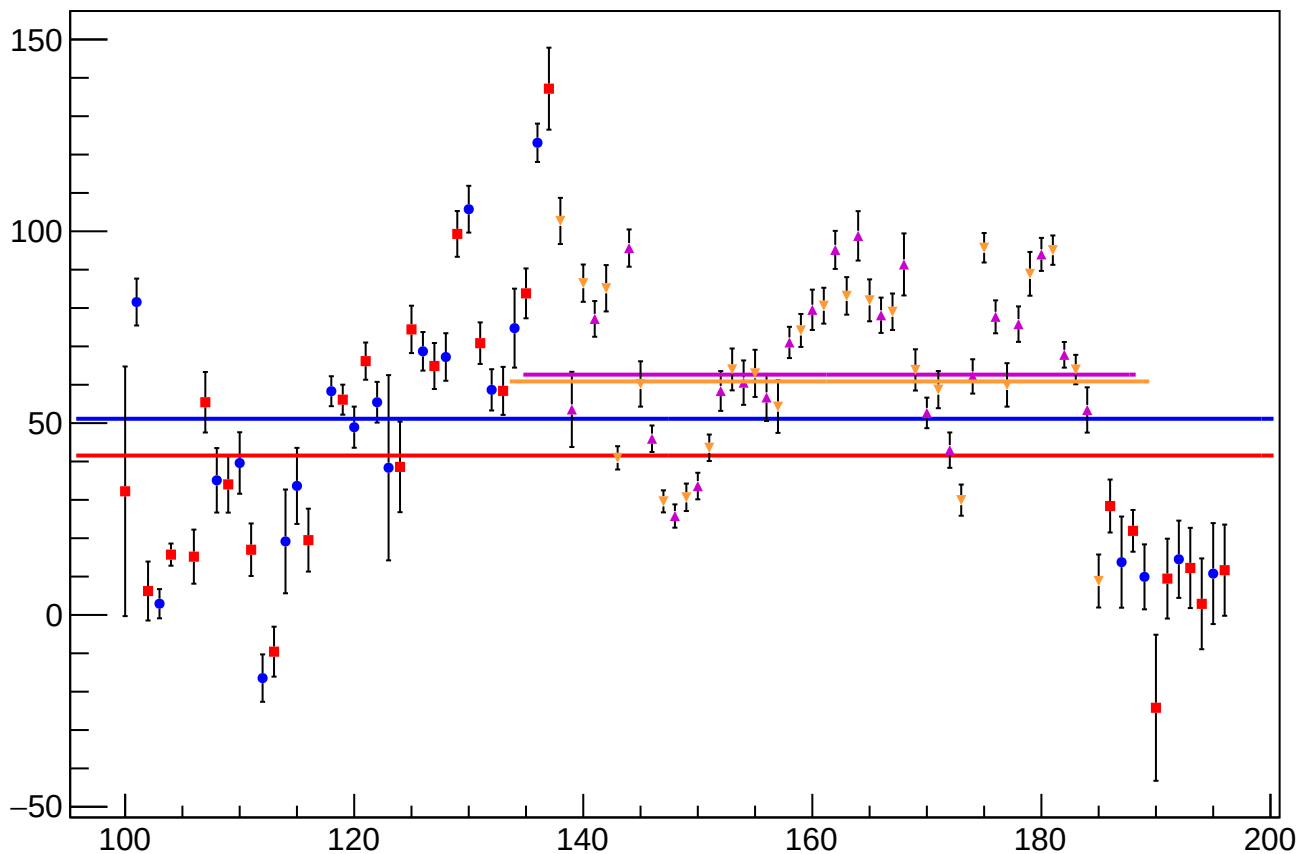
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 234.953 $\pm$ 0.879 χ^2 /NDF: 10674.3/45

All: 241.907 $\pm$ 0.596 χ^2 /NDF: 25208.9/94

- sign 247.801 $\pm$ 0.810 χ^2 /NDF: 14419.1/48

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 51.134 $\pm$ 1.389 χ^2 /NDF: 693.7/20

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 41.553 $\pm$ 1.258 χ^2 /NDF: 599.9/25

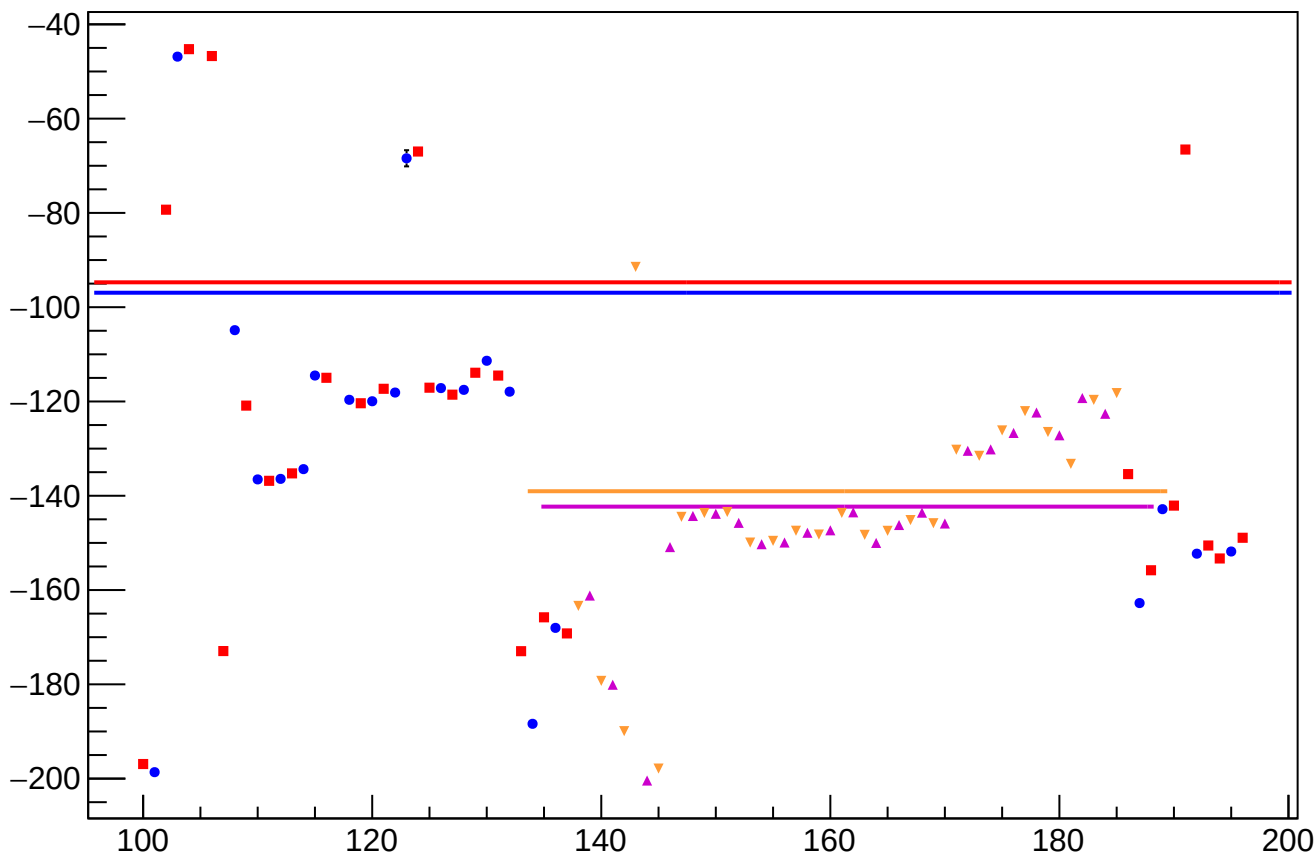
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 58.001 $\pm$ 0.753 χ^2 /NDF: 1460.0/45

All: 56.533 $\pm$ 0.533 χ^2 /NDF: 2762.8/94

- sign 55.060 $\pm$ 0.754 χ^2 /NDF: 1295.1/48

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -96.931+/-0.064 χ^2/NDF : 613210.6/20

Left Out: -139.040+/-0.043 χ^2/NDF : 258113.4/24

Right Out: -94.724+/-0.058 χ^2/NDF : 662494.6/25

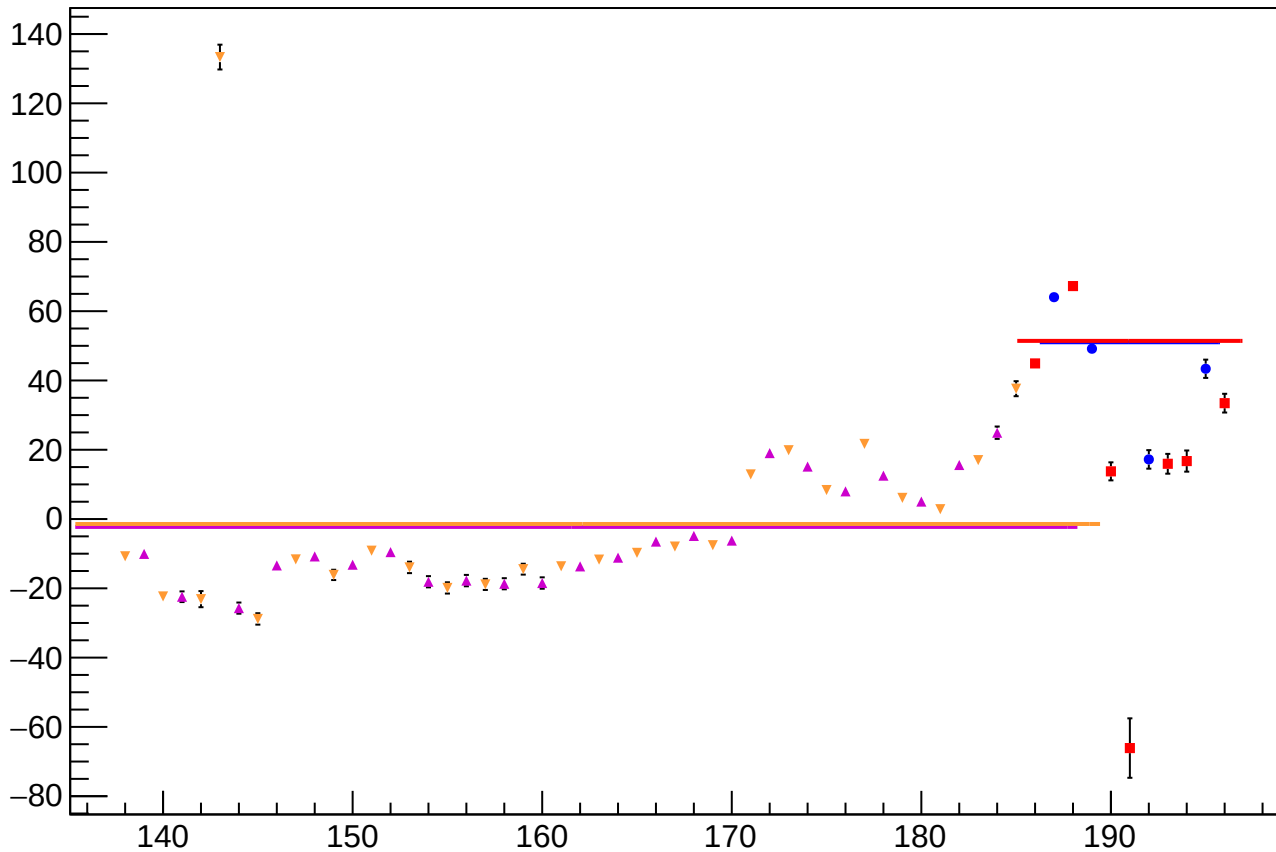
Left In: -142.305+/-0.044 χ^2/NDF : 143351.8/22

+ sign -126.071+/-0.036 χ^2/NDF : 1168486.5/45

All: -125.556+/-0.025 χ^2/NDF : 2397204.8/94

- sign -125.055+/-0.035 χ^2/NDF : 1228307.3/48

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 51.032 $\pm$ 0.887 χ^2 /NDF: 257.0/3

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 51.426 $\pm$ 0.532 χ^2 /NDF: 1198.1/6

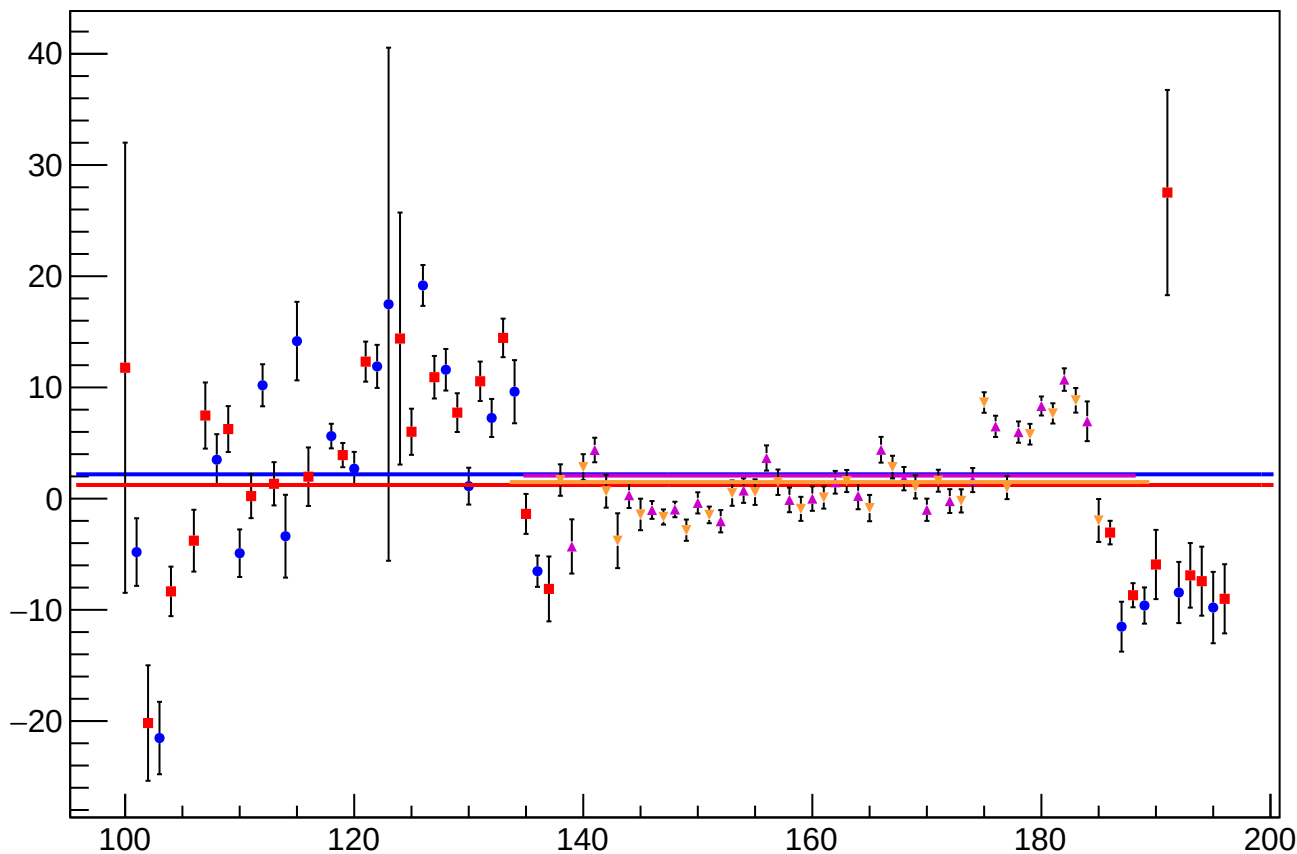
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 2.948 $\pm$ 0.256 χ^2 /NDF: 7800.6/28

All: 6.035 $\pm$ 0.176 χ^2 /NDF: 19883.9/58

- sign 8.773 $\pm$ 0.241 χ^2 /NDF: 11809.5/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.187 ± 0.435 $\chi^2/\text{NDF}: 420.6/20$

Left Out: 1.491 ± 0.210 $\chi^2/\text{NDF}: 259.1/24$

Right Out: 1.226 ± 0.388 $\chi^2/\text{NDF}: 378.2/25$

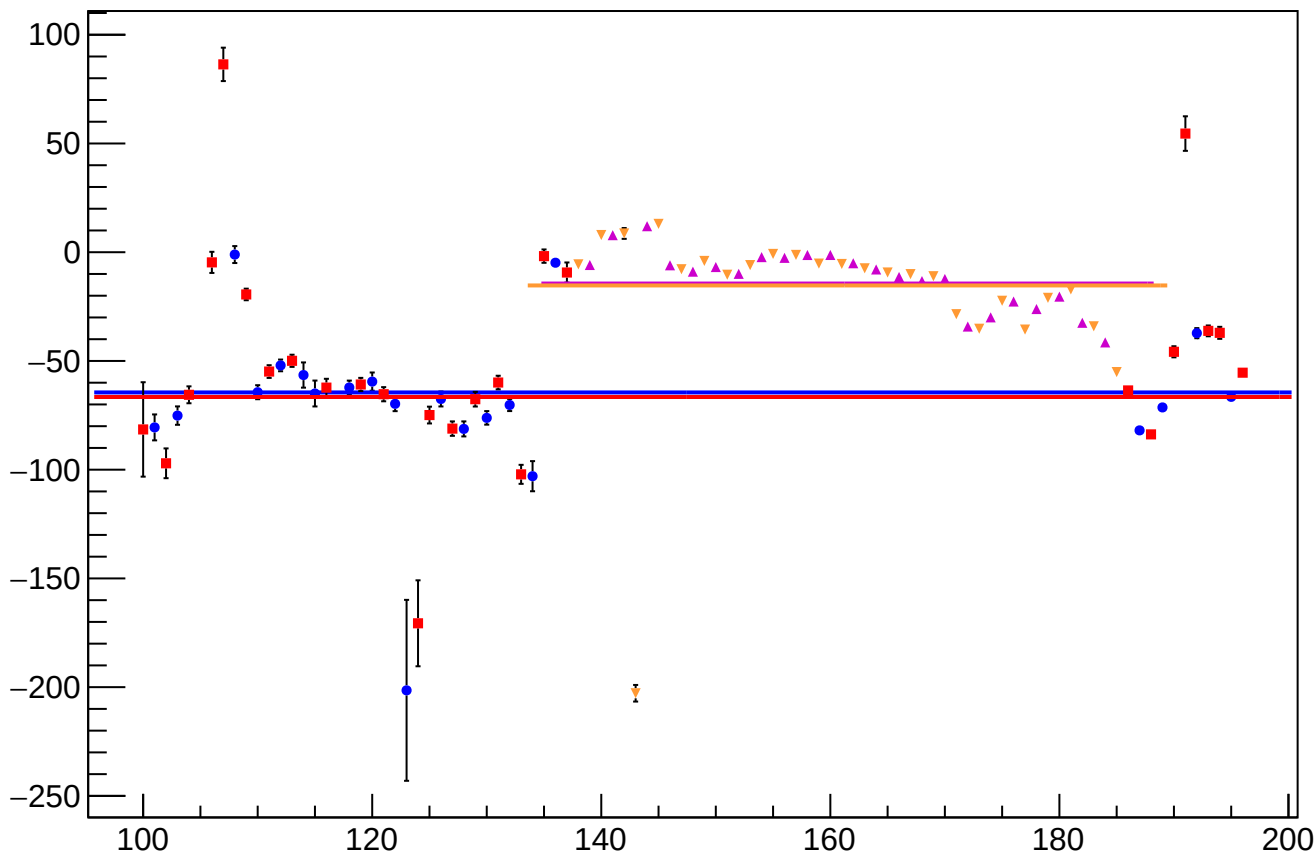
Left In: 2.075 ± 0.215 $\chi^2/\text{NDF}: 274.6/22$

+ sign 1.623 ± 0.189 $\chi^2/\text{NDF}: 681.7/45$

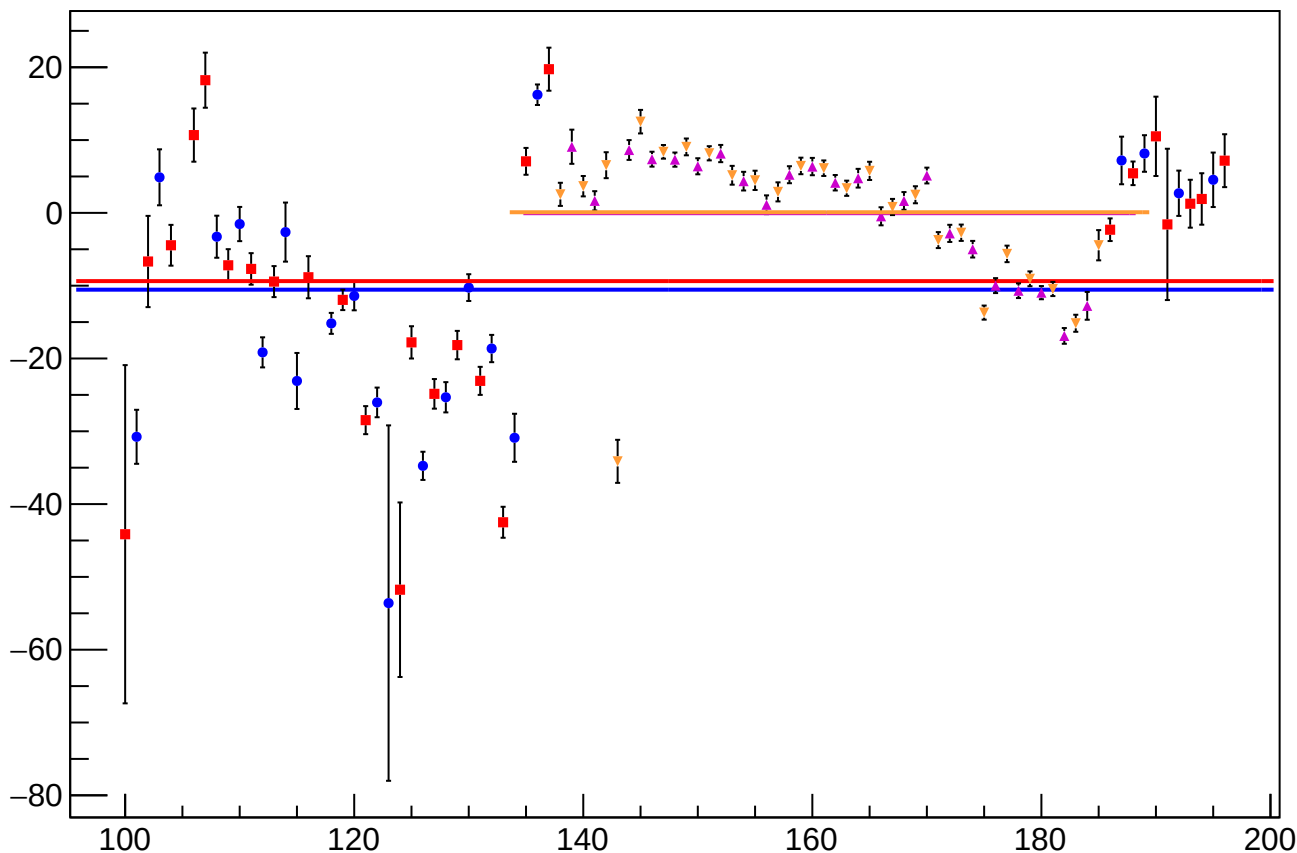
All: 1.750 ± 0.134 $\chi^2/\text{NDF}: 1339.1/94$

- sign 1.875 ± 0.188 $\chi^2/\text{NDF}: 656.4/48$

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: -10.549 ± 0.507 χ^2/NDF : 913.5/20

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -9.372 ± 0.470 χ^2/NDF : 926.1/25

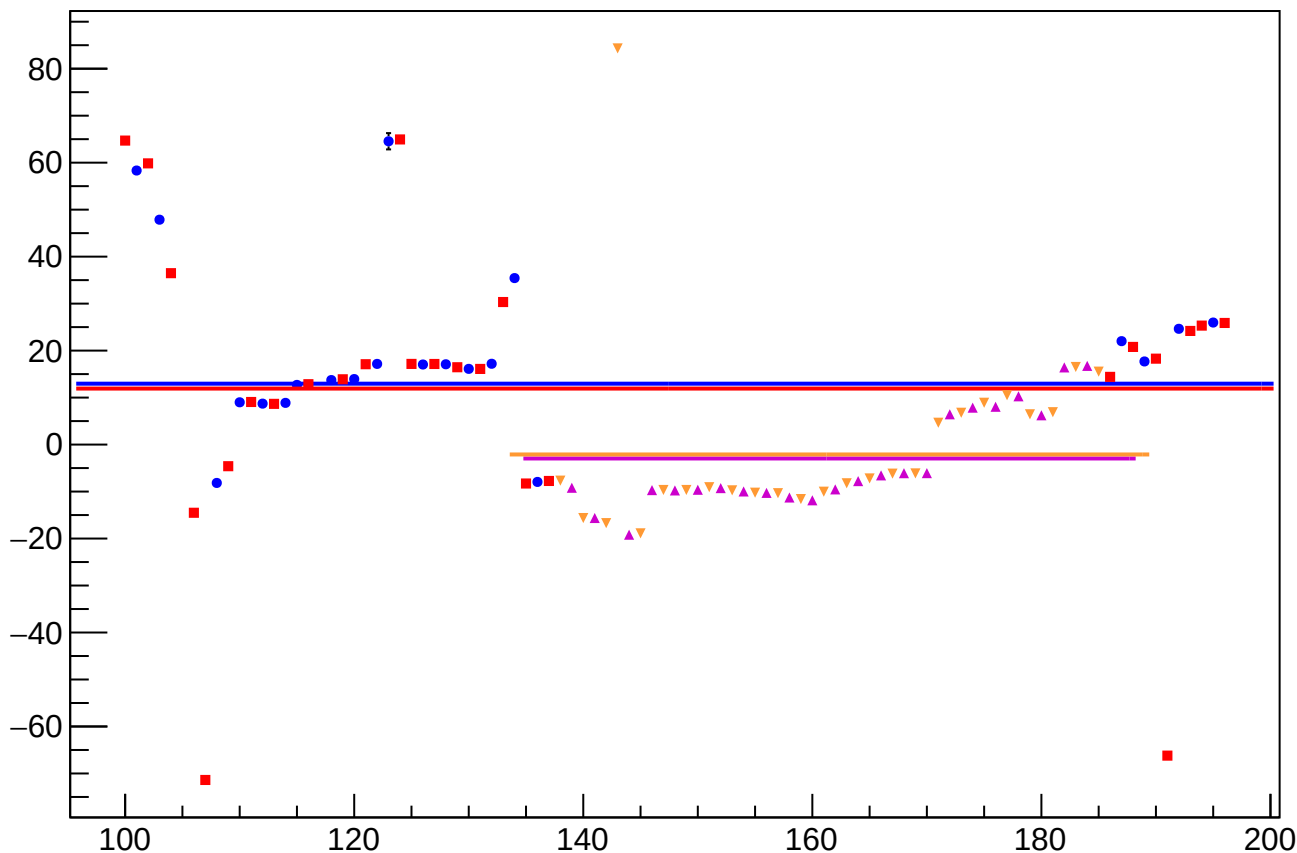
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.835 ± 0.216 χ^2/NDF : 2446.0/45

All: -1.925 ± 0.153 χ^2/NDF : 4711.8/94

- sign -2.015 ± 0.216 χ^2/NDF : 2265.5/48

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 12.960 ± 0.027 χ^2/NDF : 419242.5/20

Left Out: -2.105 ± 0.011 χ^2/NDF : 1093120.2/24

Right Out: 11.921 ± 0.025 χ^2/NDF : 696014.9/25

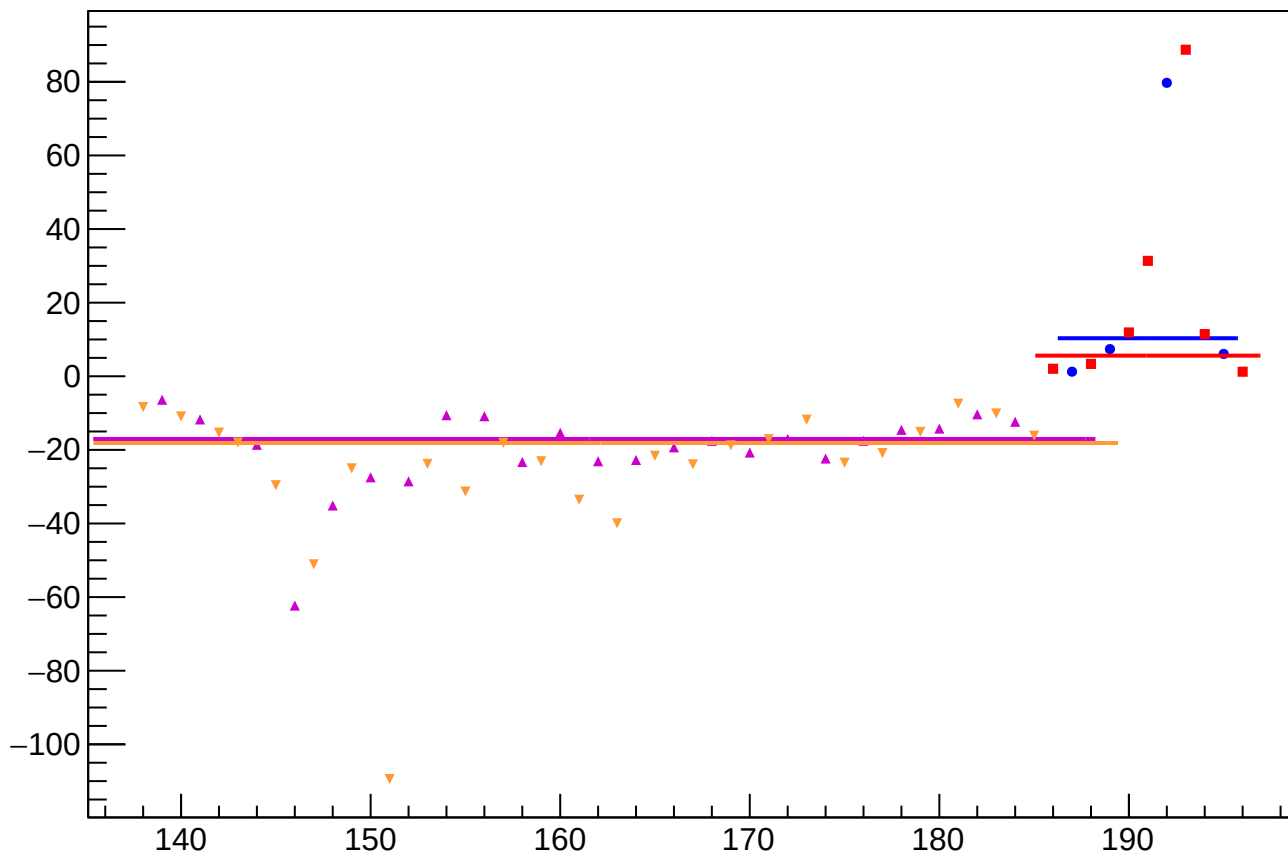
Left In: -2.959 ± 0.011 χ^2/NDF : 763000.9/22

+ sign -0.031 ± 0.010 χ^2/NDF : 1774329.5/45

All: -0.319 ± 0.007 χ^2/NDF : 3524510.1/94

- sign -0.604 ± 0.010 χ^2/NDF : 1748576.4/48

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 10.334+/-0.122 χ^2/NDF : 22997.8/3

Left Out: -18.128+/-0.039 χ^2/NDF : 88551.6/24

Right Out: 5.607+/-0.079 χ^2/NDF : 24826.9/6

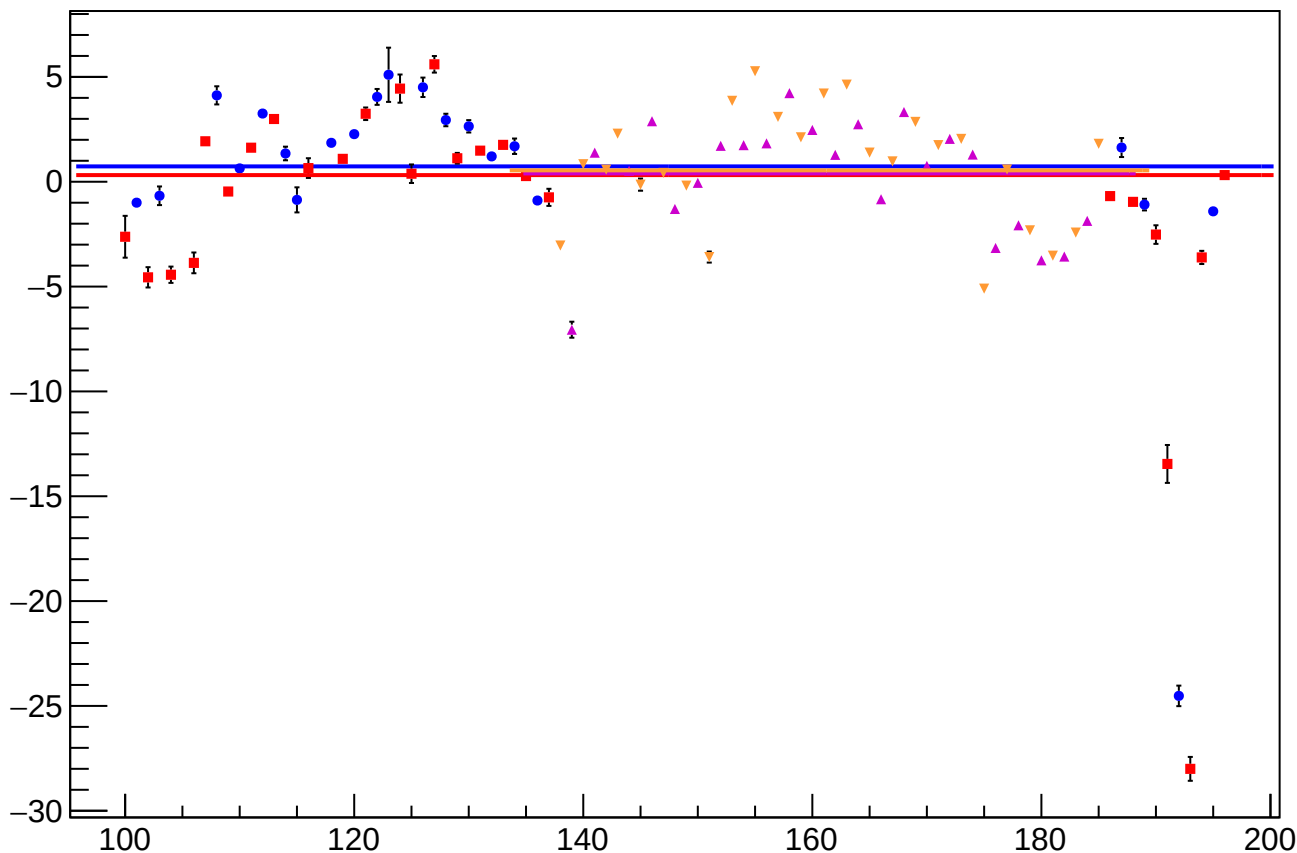
Left In: -17.038+/-0.038 χ^2/NDF : 44141.1/22

+ sign -15.514+/-0.037 χ^2/NDF : 160681.9/28

All: -14.022+/-0.025 χ^2/NDF : 299473.5/58

- sign -12.743+/-0.034 χ^2/NDF : 135786.7/29

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.732 ± 0.057 $\chi^2/\text{NDF}: 3570.1/20$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.317 ± 0.050 $\chi^2/\text{NDF}: 4094.2/25$

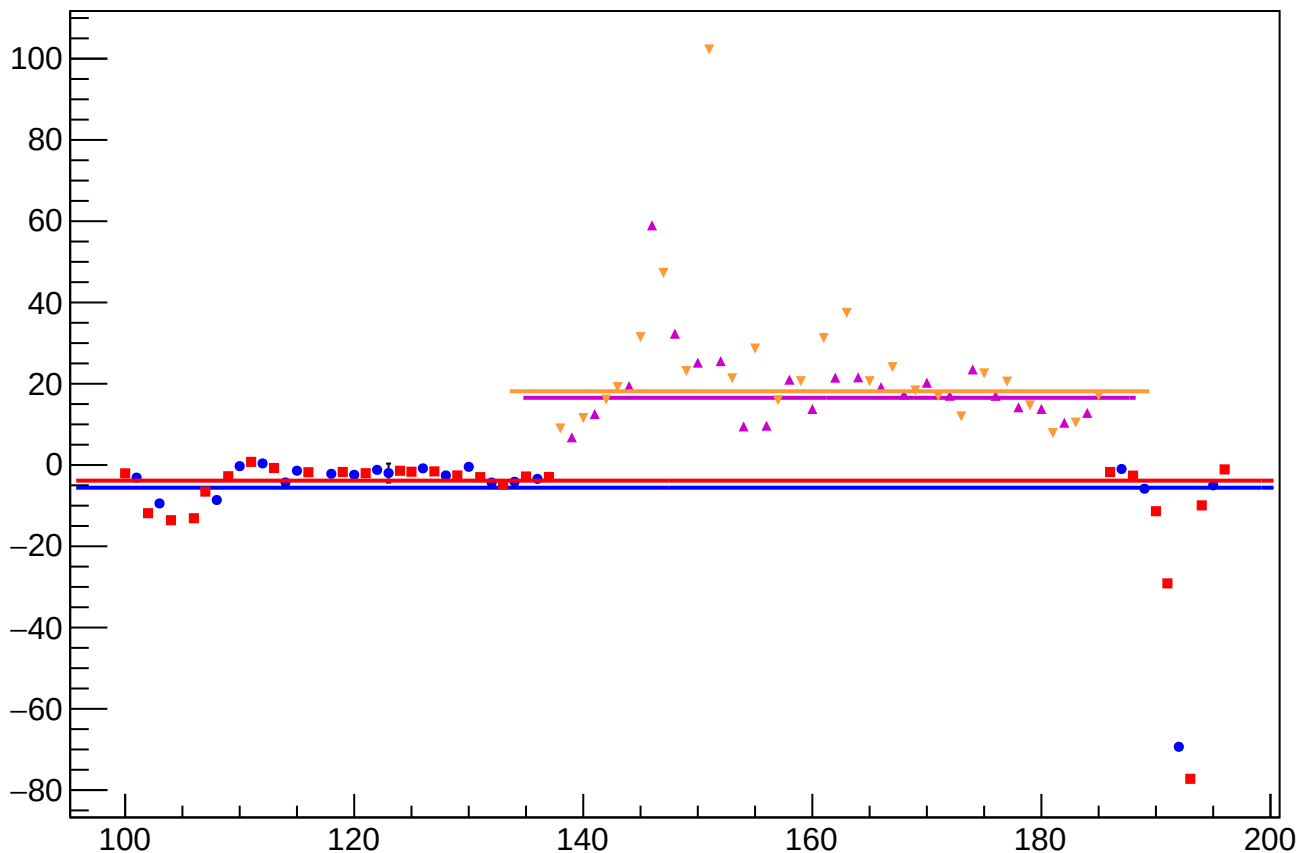
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.589 ± 0.028 $\chi^2/\text{NDF}: 10663.6/45$

All: 0.474 ± 0.019 $\chi^2/\text{NDF}: 21026.1/94$

- sign 0.375 ± 0.026 $\chi^2/\text{NDF}: 10331.7/48$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.583 ± 0.076 $\chi^2/\text{NDF}: 25395.9/20$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -3.844 ± 0.054 $\chi^2/\text{NDF}: 26306.8/25$

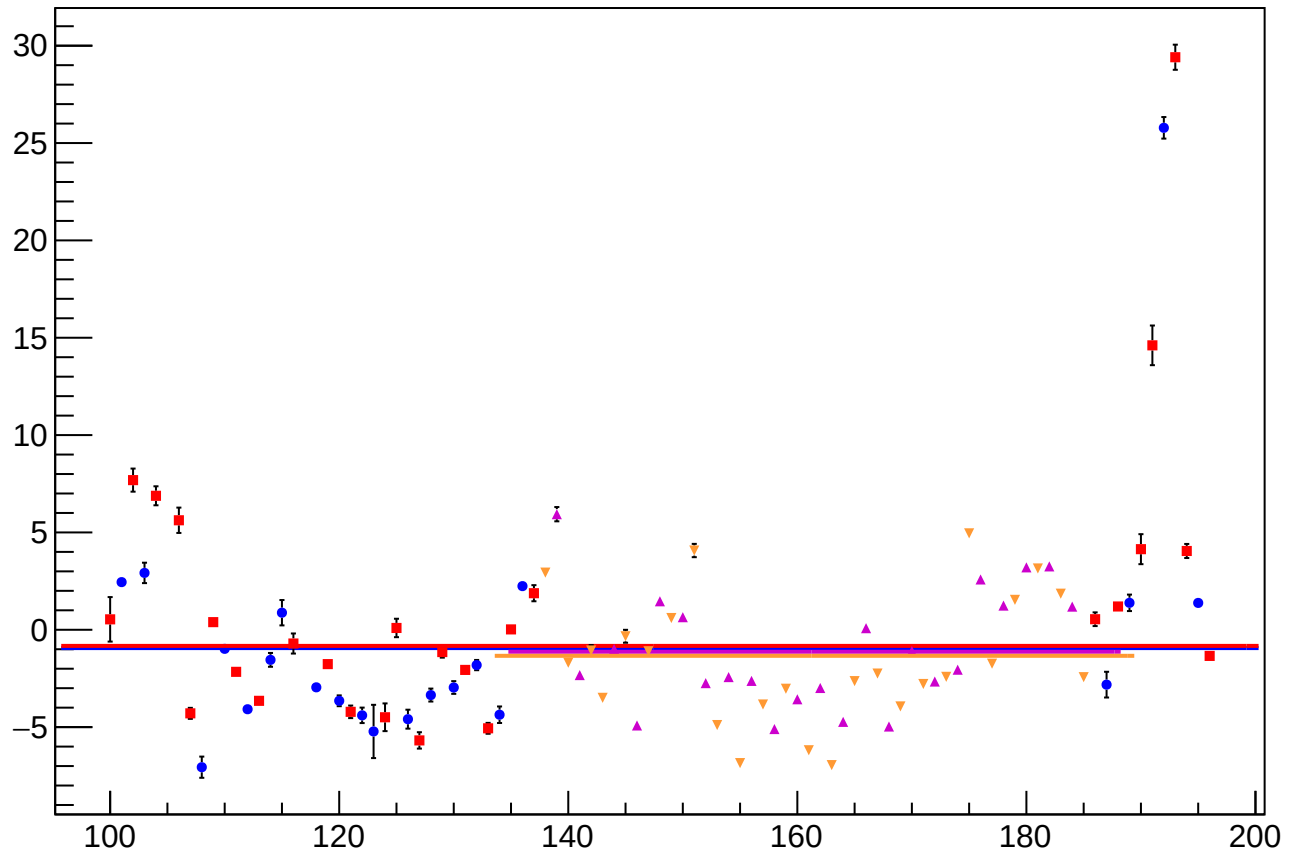
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 13.208 ± 0.035 $\chi^2/\text{NDF}: 179988.6/45$

All: 11.361 ± 0.023 $\chi^2/\text{NDF}: 347275.0/94$

- sign 9.895 ± 0.031 $\chi^2/\text{NDF}: 162229.6/48$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.941 ± 0.067 χ^2/NDF : 3817.2/20

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.828 ± 0.059 χ^2/NDF : 4368.2/25

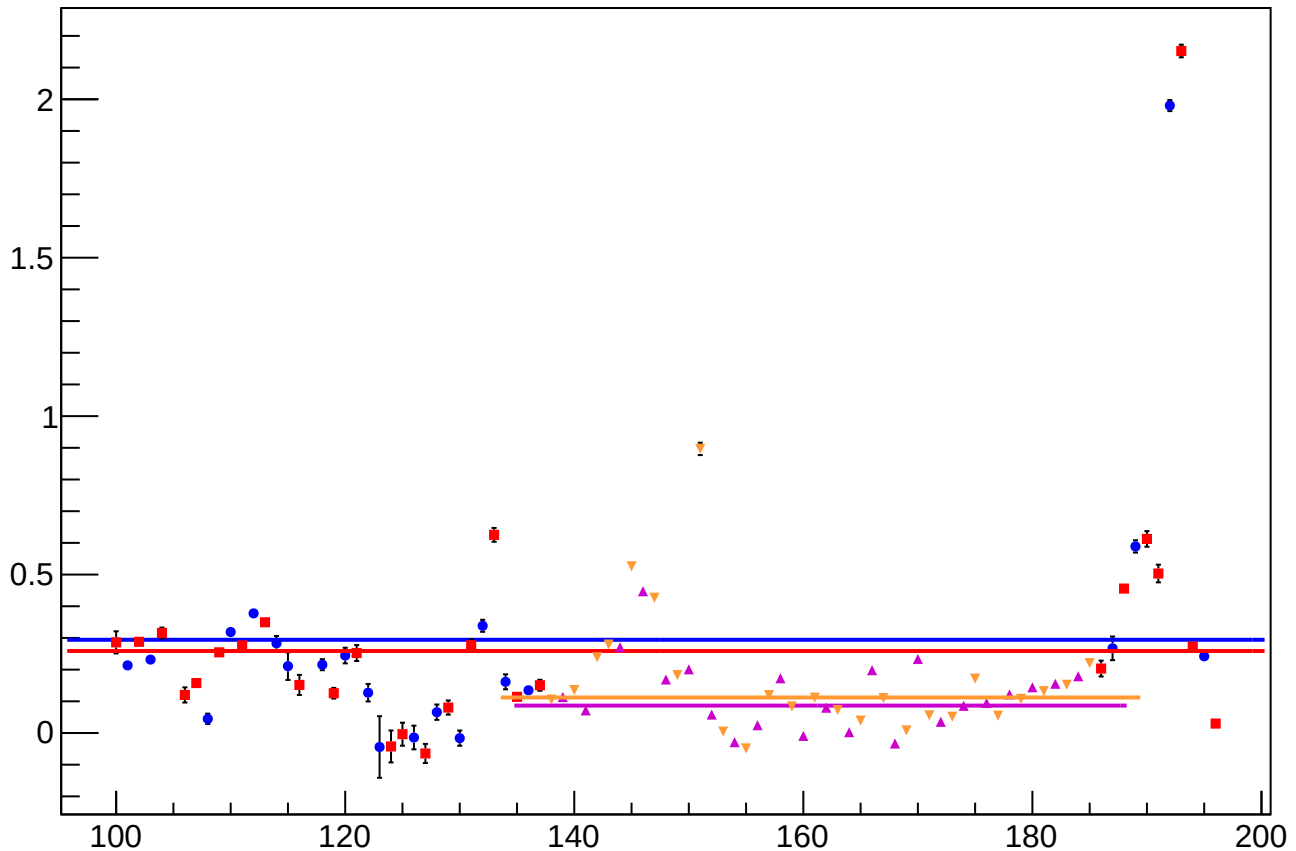
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.248 ± 0.032 χ^2/NDF : 11787.8/45

All: -1.144 ± 0.022 χ^2/NDF : 22936.0/94

- sign -1.054 ± 0.030 χ^2/NDF : 11128.0/48

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.294 ± 0.003 $\chi^2/\text{NDF}: 10681.1/20$

Left Out: 0.112 ± 0.002 $\chi^2/\text{NDF}: 4503.9/24$

Right Out: 0.259 ± 0.003 $\chi^2/\text{NDF}: 11532.0/25$

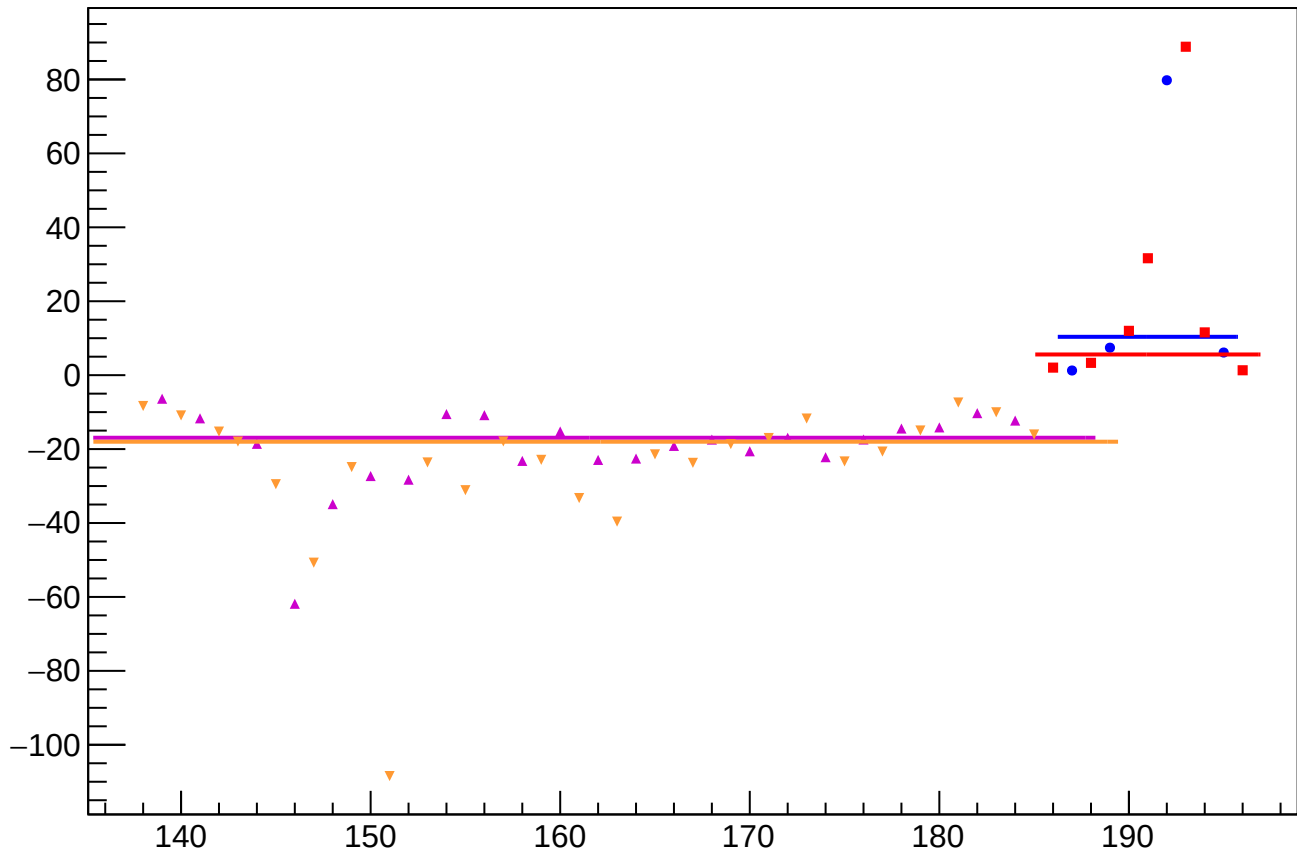
Left In: 0.087 ± 0.002 $\chi^2/\text{NDF}: 3655.4/22$

+ sign 0.145 ± 0.001 $\chi^2/\text{NDF}: 17483.5/45$

All: 0.132 ± 0.001 $\chi^2/\text{NDF}: 35473.4/94$

- sign 0.121 ± 0.001 $\chi^2/\text{NDF}: 17852.5/48$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 10.375 ± 0.122 χ^2/NDF : 23175.2/3

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 5.598 ± 0.078 χ^2/NDF : 25157.7/6

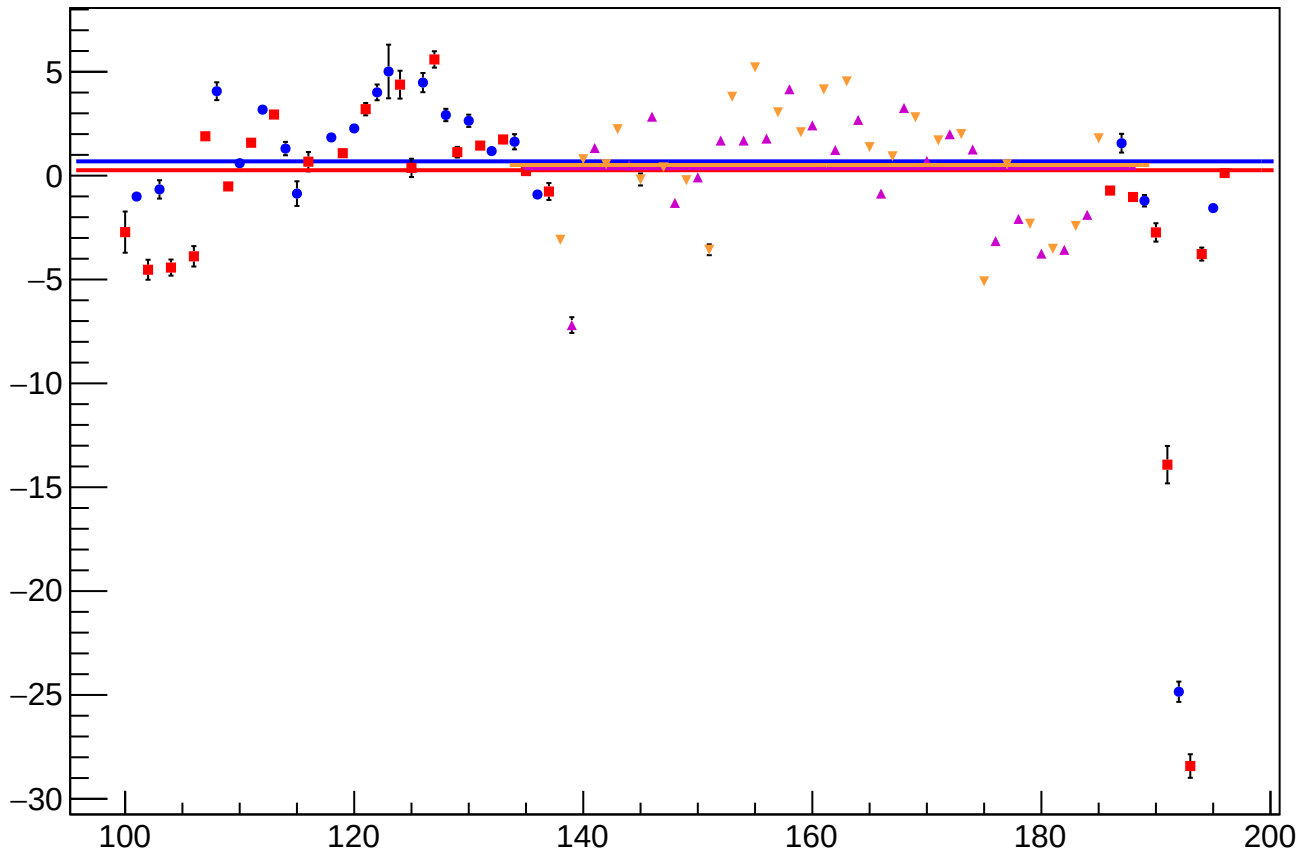
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -15.412 ± 0.037 χ^2/NDF : 160841.7/28

All: -13.920 ± 0.025 χ^2/NDF : 300446.2/58

- sign -12.641 ± 0.034 χ^2/NDF : 136555.5/29

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.688 ± 0.057 $\chi^2/\text{NDF}: 3670.0/20$

Left Out: 0.511 ± 0.032 $\chi^2/\text{NDF}: 7070.4/24$

Right Out: 0.261 ± 0.050 $\chi^2/\text{NDF}: 4231.7/25$

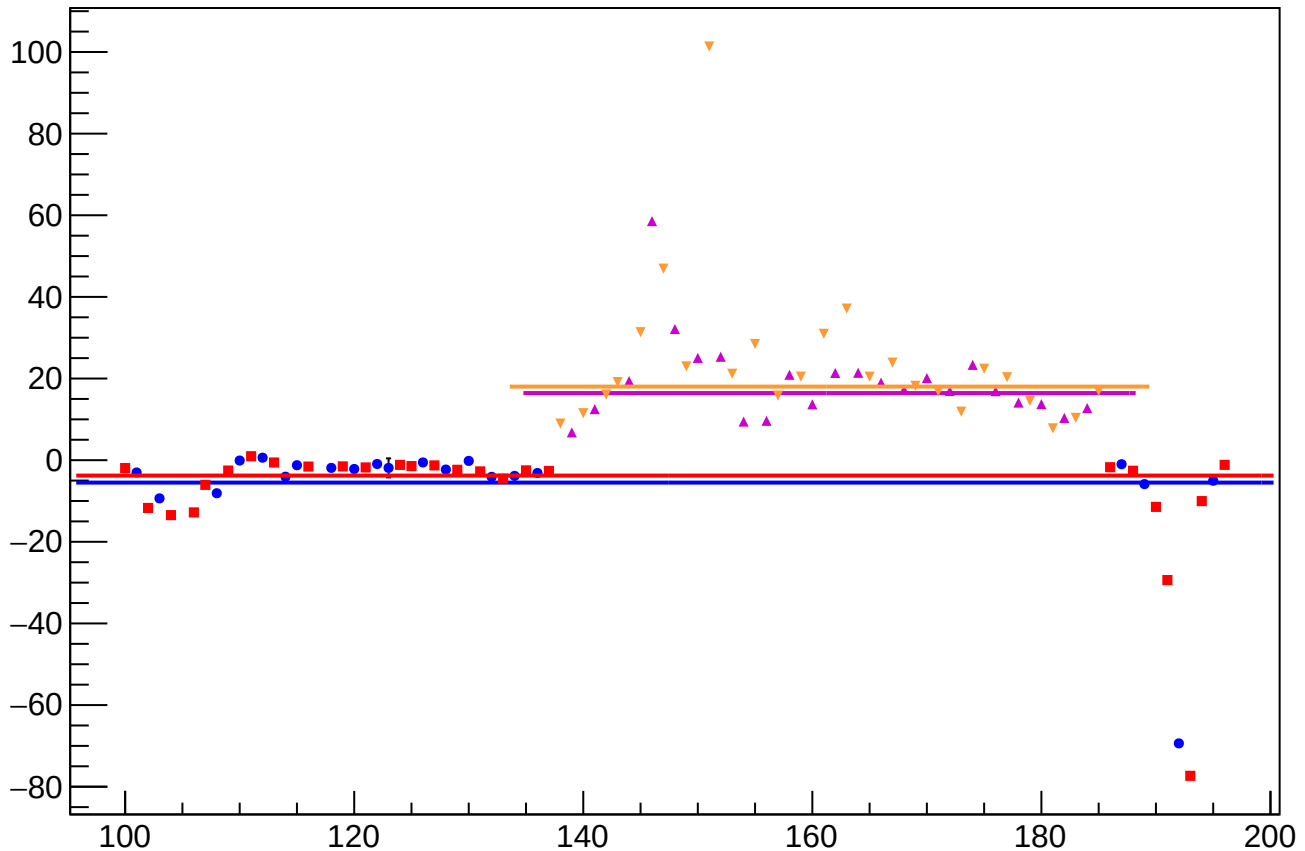
Left In: 0.360 ± 0.031 $\chi^2/\text{NDF}: 6221.1/22$

+ sign 0.554 ± 0.028 $\chi^2/\text{NDF}: 10747.7/45$

All: 0.436 ± 0.019 $\chi^2/\text{NDF}: 21236.8/94$

- sign 0.333 ± 0.026 $\chi^2/\text{NDF}: 10455.6/48$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.492 ± 0.076 $\chi^2/\text{NDF}: 25728.8/20$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -3.772 ± 0.054 $\chi^2/\text{NDF}: 26705.8/25$

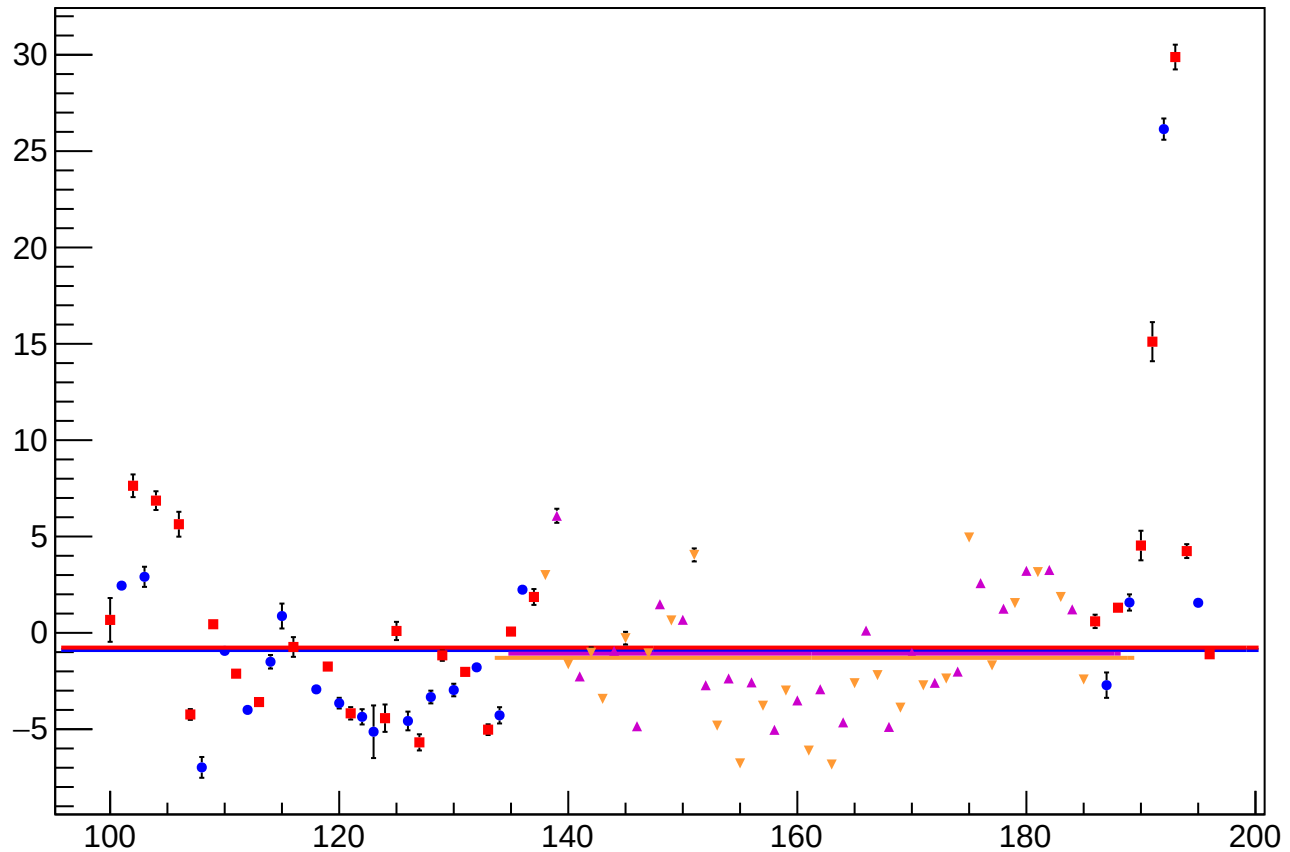
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 13.149 ± 0.035 $\chi^2/\text{NDF}: 179572.2/45$

All: 11.301 ± 0.023 $\chi^2/\text{NDF}: 347126.1/94$

- sign 9.835 ± 0.031 $\chi^2/\text{NDF}: 162426.0/48$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.892 ± 0.066 χ^2/NDF : 3906.4/20

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.765 ± 0.059 χ^2/NDF : 4499.6/25

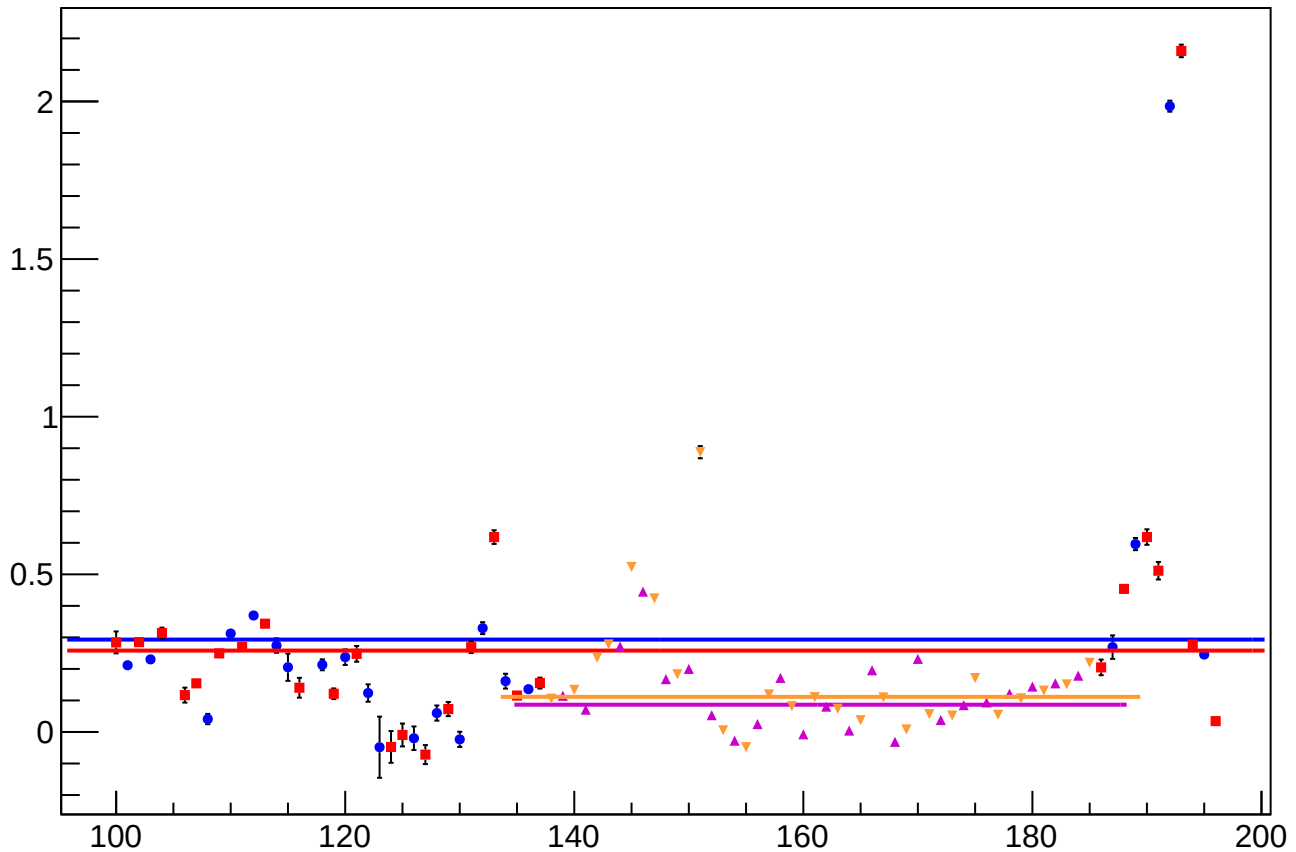
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.206 ± 0.031 χ^2/NDF : 11860.6/45

All: -1.098 ± 0.021 χ^2/NDF : 23128.5/94

- sign -1.003 ± 0.029 χ^2/NDF : 11245.5/48

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.293 ± 0.003 χ^2/NDF : 10834.2/20

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.258 ± 0.003 χ^2/NDF : 11678.6/25

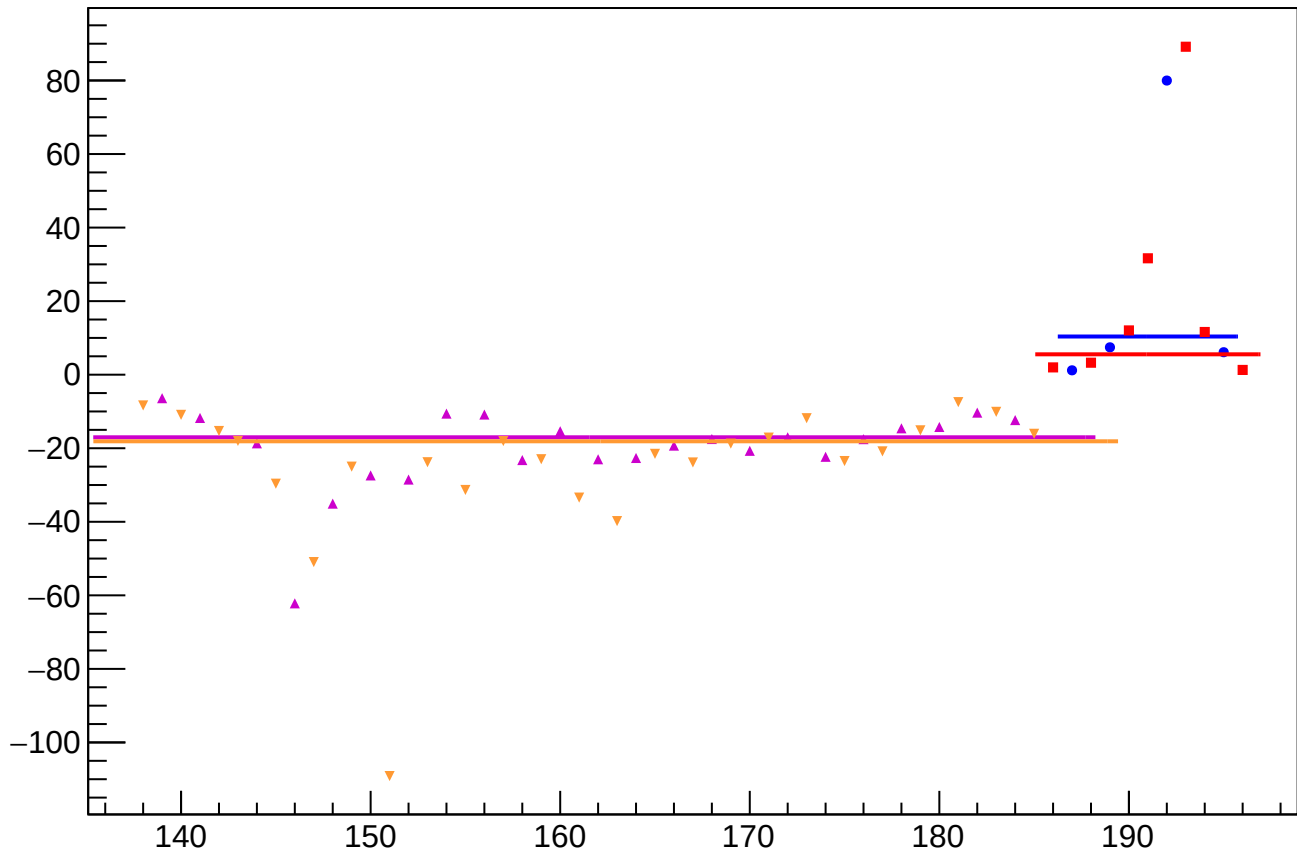
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.144 ± 0.001 χ^2/NDF : 17639.8/45

All: 0.132 ± 0.001 χ^2/NDF : 35748.5/94

- sign 0.121 ± 0.001 χ^2/NDF : 17978.0/48

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 10.382 ± 0.122 χ^2/NDF : 23168.6/3

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 5.539 ± 0.078 χ^2/NDF : 25168.3/6

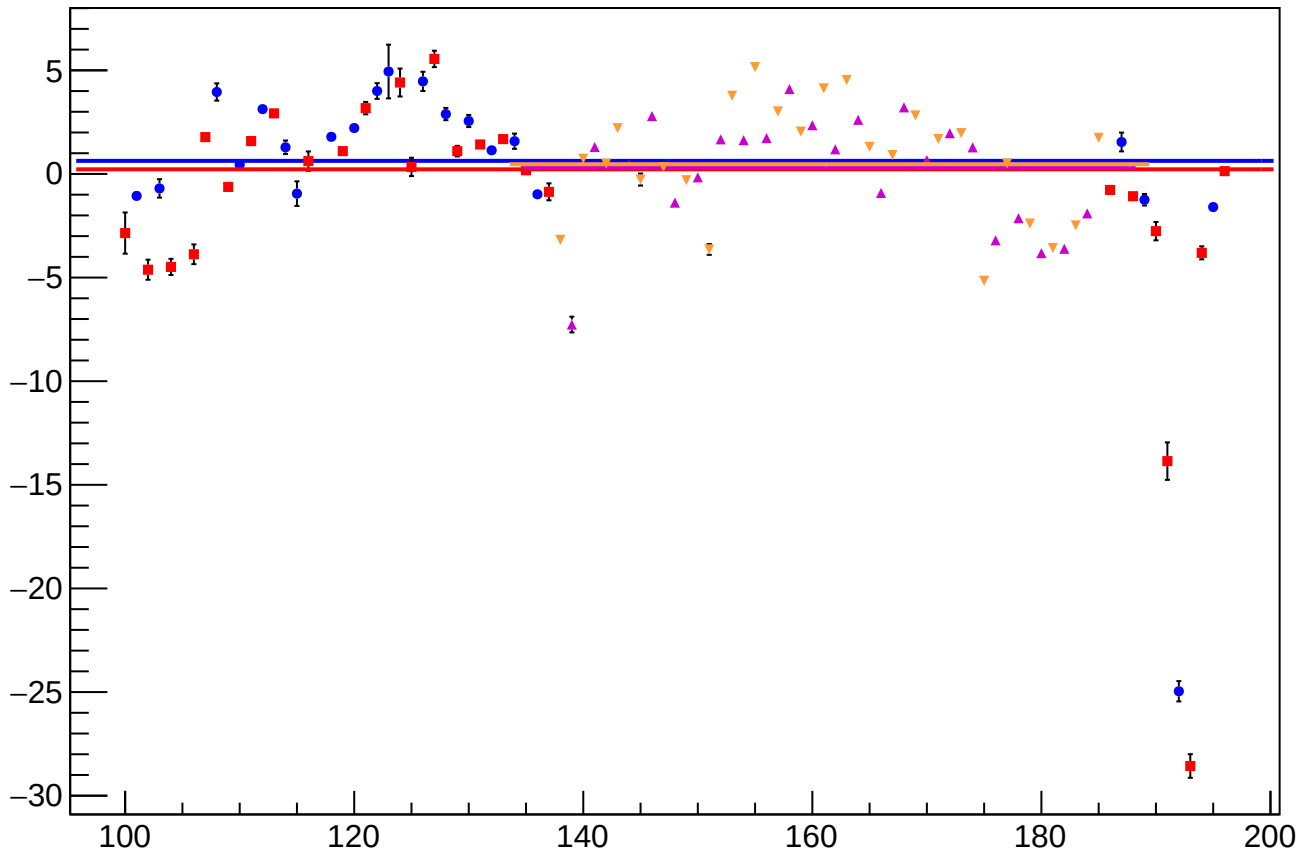
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -15.511 ± 0.037 χ^2/NDF : 160916.3/28

All: -13.997 ± 0.025 χ^2/NDF : 300691.6/58

- sign -12.702 ± 0.034 χ^2/NDF : 136666.4/29

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.632 ± 0.057 $\chi^2/\text{NDF}: 3664.3/20$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7093.0/24$

Right Out: 0.223 ± 0.050 $\chi^2/\text{NDF}: 4230.1/25$

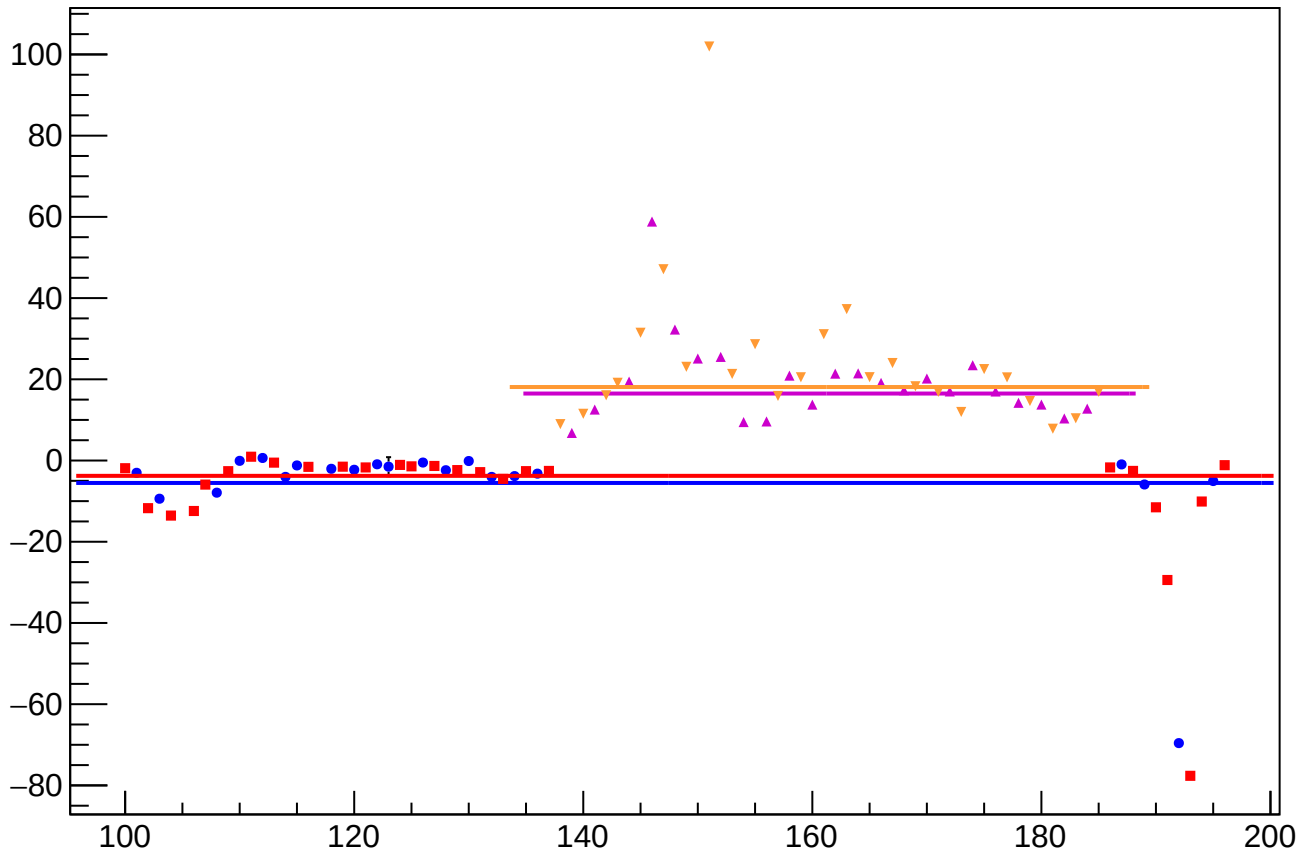
Left In: 0.311 ± 0.031 $\chi^2/\text{NDF}: 6183.1/22$

+ sign 0.508 ± 0.028 $\chi^2/\text{NDF}: 10763.5/45$

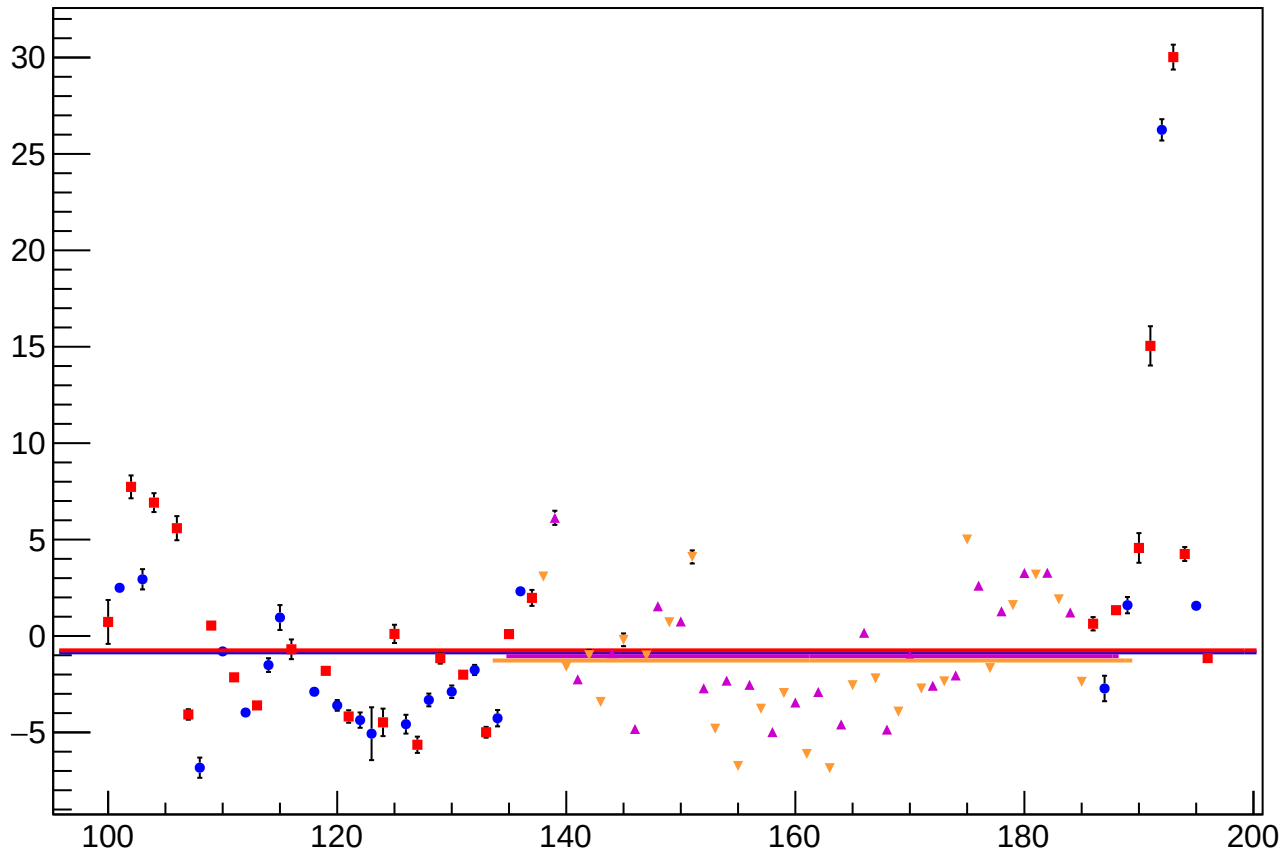
All: 0.390 ± 0.019 $\chi^2/\text{NDF}: 21212.2/94$

- sign 0.287 ± 0.026 $\chi^2/\text{NDF}: 10415.4/48$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.849 ± 0.067 χ^2/NDF : 3900.9/20

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.746 ± 0.059 χ^2/NDF : 4501.4/25

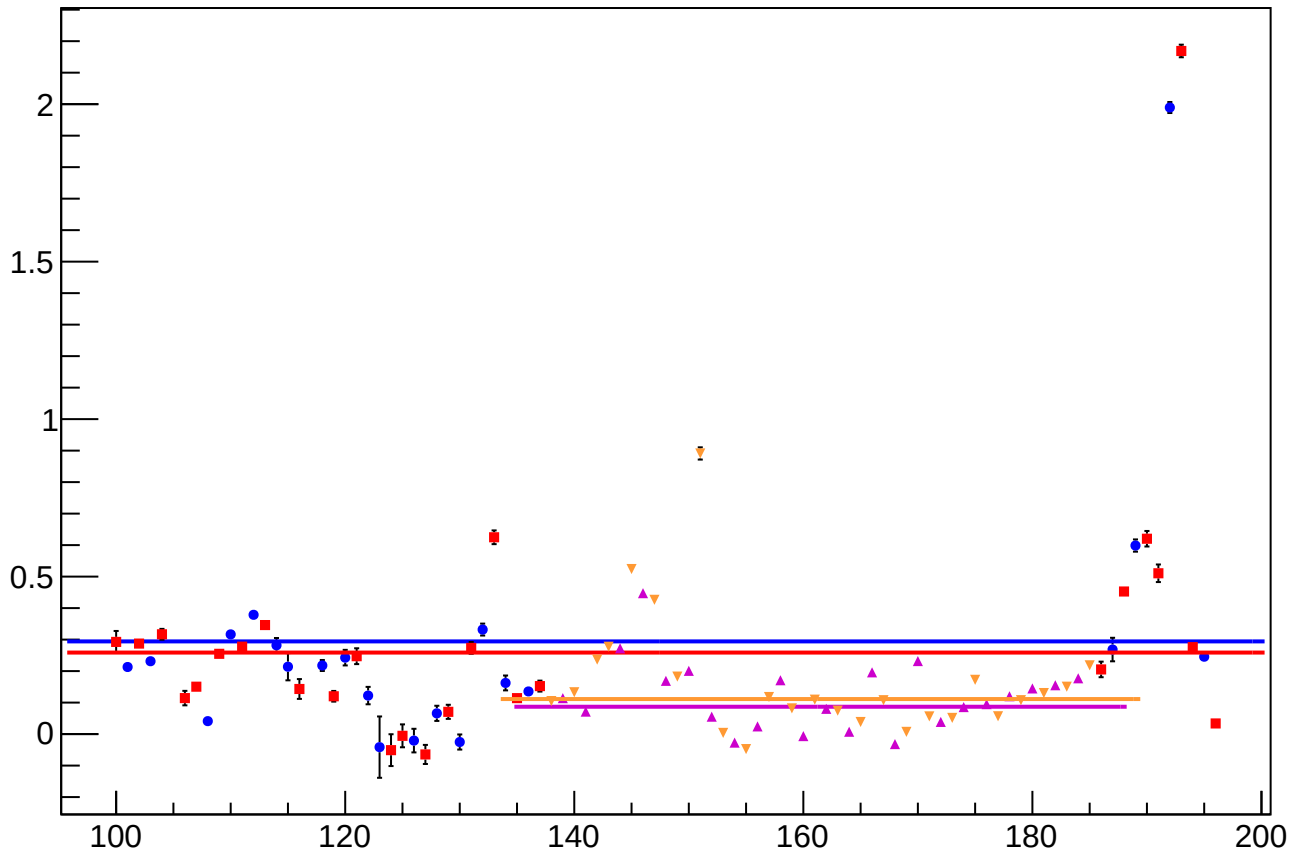
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.178 ± 0.032 χ^2/NDF : 11884.0/45

All: -1.069 ± 0.022 χ^2/NDF : 23101.1/94

- sign -0.974 ± 0.029 χ^2/NDF : 11194.9/48

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.294 ± 0.003 χ^2/NDF : 10835.9/20

Left Out: 0.111 ± 0.002 χ^2/NDF : 4474.5/24

Right Out: 0.259 ± 0.003 χ^2/NDF : 11694.9/25

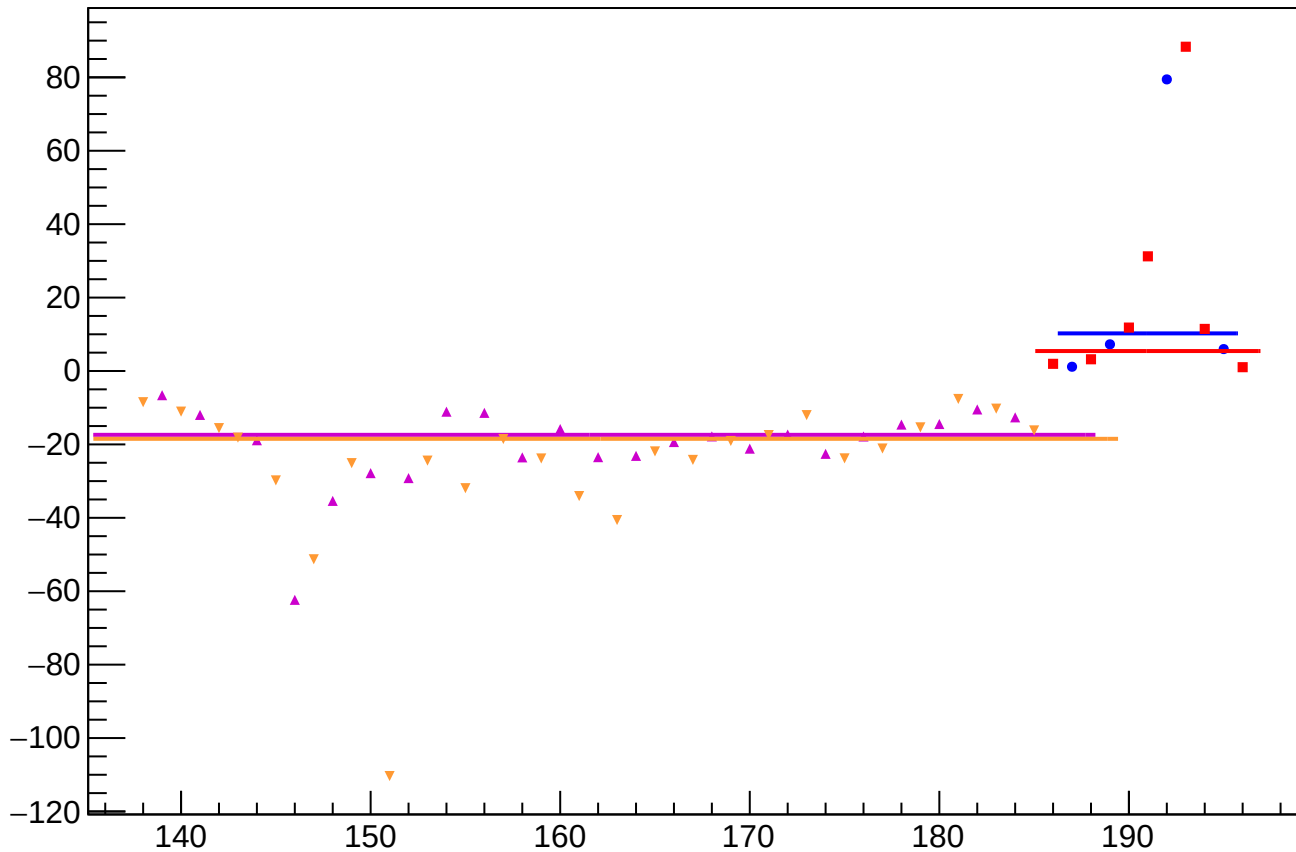
Left In: 0.087 ± 0.001 χ^2/NDF : 3598.5/22

+ sign 0.144 ± 0.001 χ^2/NDF : 17637.6/45

All: 0.132 ± 0.001 χ^2/NDF : 35724.4/94

- sign 0.122 ± 0.001 χ^2/NDF : 17961.1/48

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 10.246 ± 0.123 χ^2/NDF : 22789.7/3

Left Out: -18.479 ± 0.040 χ^2/NDF : 87883.4/24

Right Out: 5.435 ± 0.079 χ^2/NDF : 24678.5/6

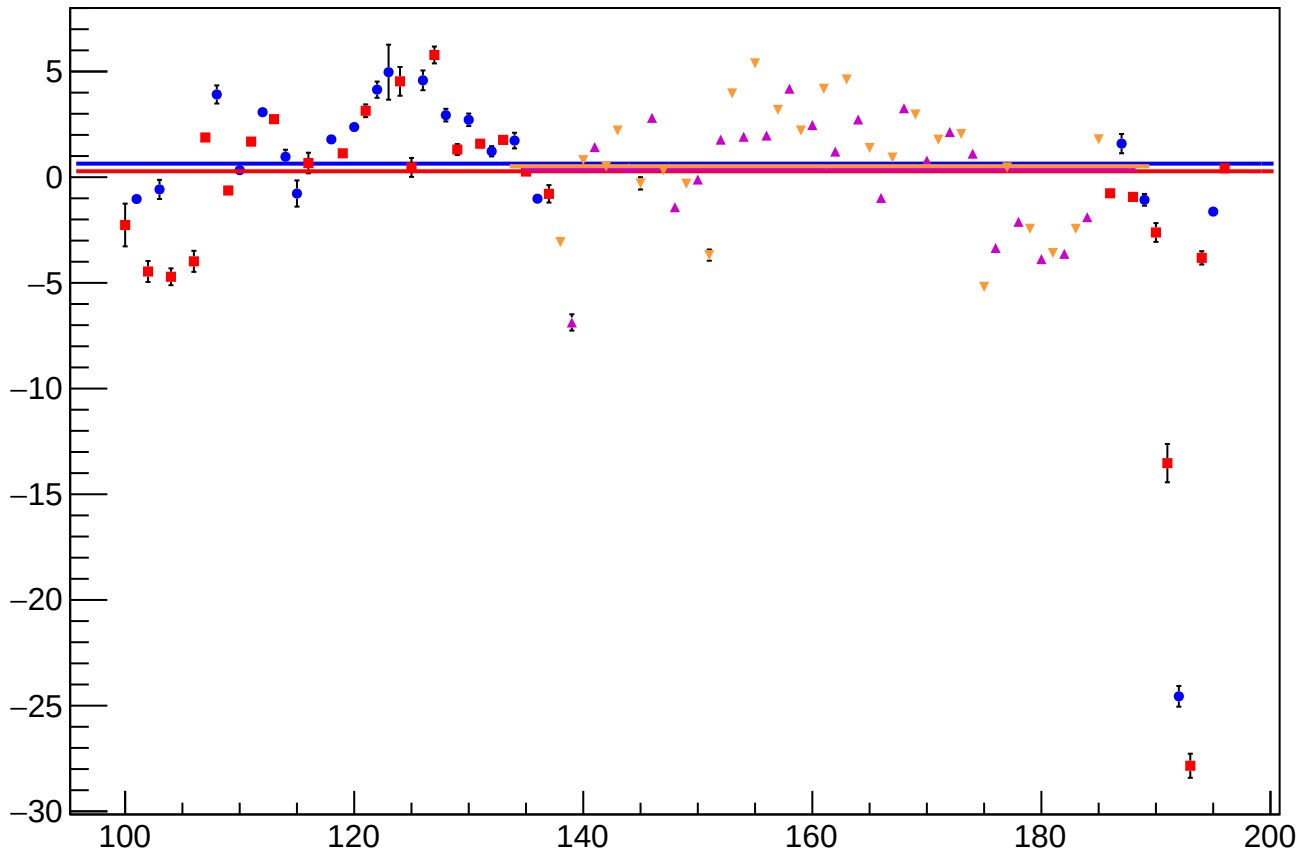
Left In: -17.393 ± 0.039 χ^2/NDF : 43178.9/22

+ sign -15.764 ± 0.038 χ^2/NDF : 160167.2/28

All: -14.209 ± 0.026 χ^2/NDF : 299008.2/58

- sign -12.882 ± 0.035 χ^2/NDF : 135701.7/29

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.641 ± 0.058 $\chi^2/\text{NDF}: 3563.0/20$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.280 ± 0.051 $\chi^2/\text{NDF}: 4052.4/25$

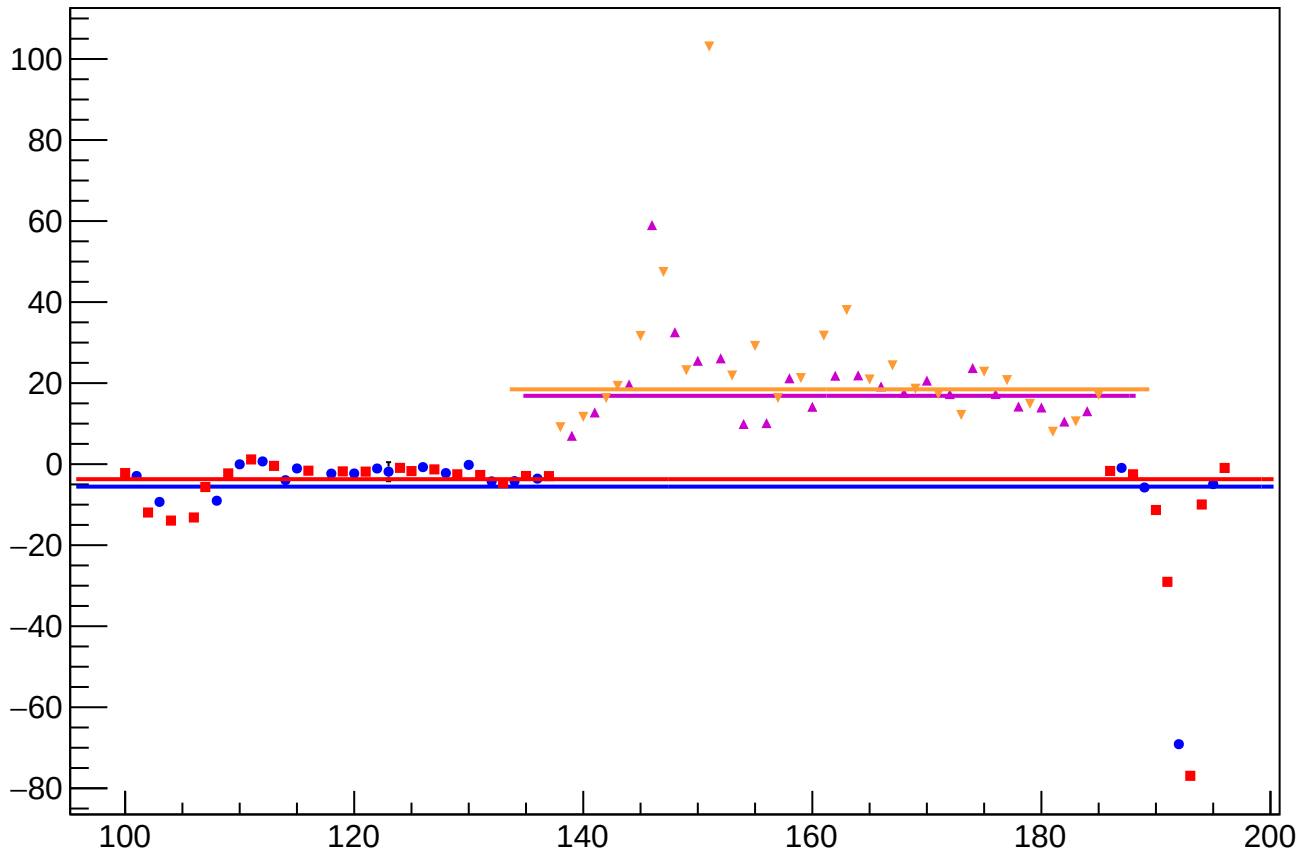
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.551 ± 0.029 $\chi^2/\text{NDF}: 10621.2/45$

All: 0.441 ± 0.020 $\chi^2/\text{NDF}: 20920.5/94$

- sign 0.346 ± 0.027 $\chi^2/\text{NDF}: 10272.1/48$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.547 ± 0.077 $\chi^2/\text{NDF}: 25203.3/20$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -3.710 ± 0.054 $\chi^2/\text{NDF}: 26197.7/25$

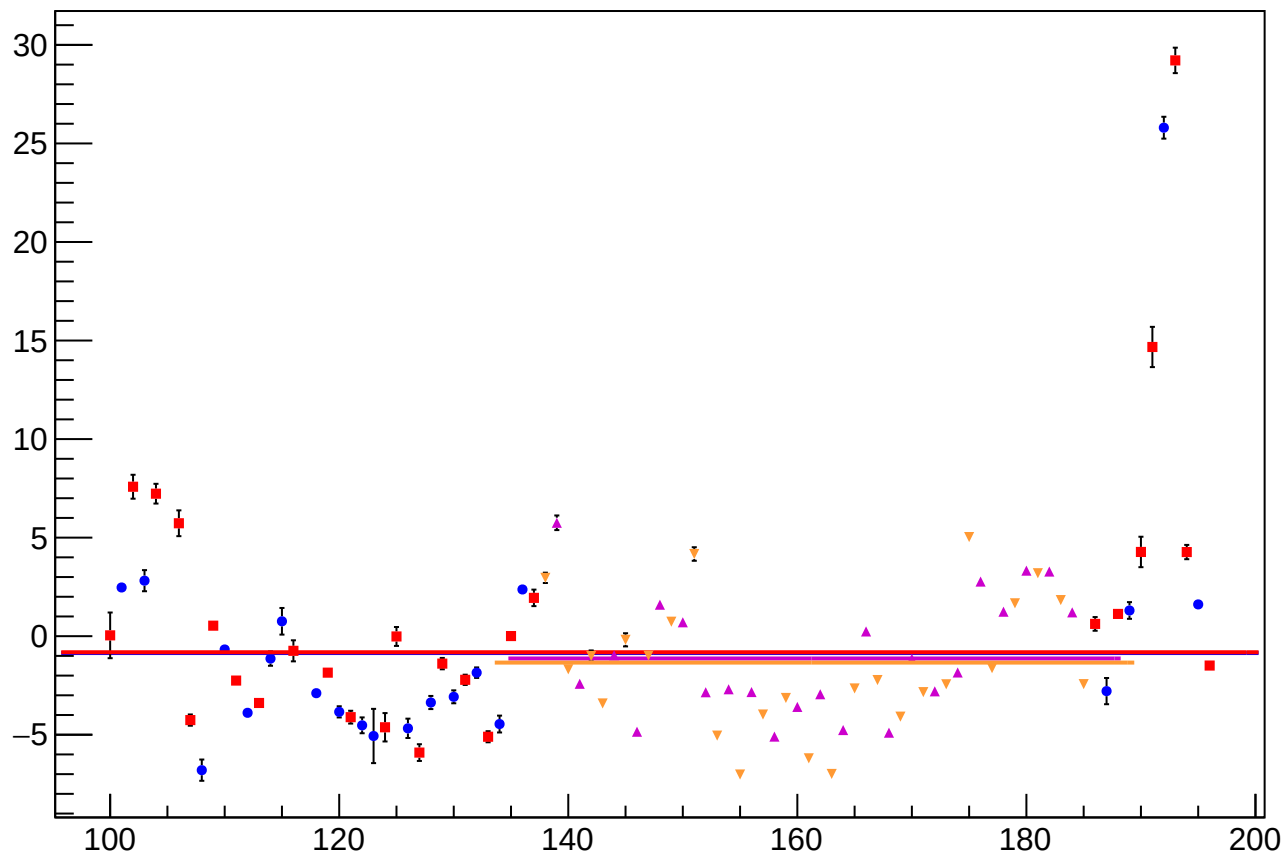
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 13.391 ± 0.035 $\chi^2/\text{NDF}: 179063.9/45$

All: 11.489 ± 0.024 $\chi^2/\text{NDF}: 345375.1/94$

- sign 9.988 ± 0.031 $\chi^2/\text{NDF}: 161151.4/48$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.855 ± 0.068 χ^2/NDF : 3798.2/20

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.815 ± 0.060 χ^2/NDF : 4326.2/25

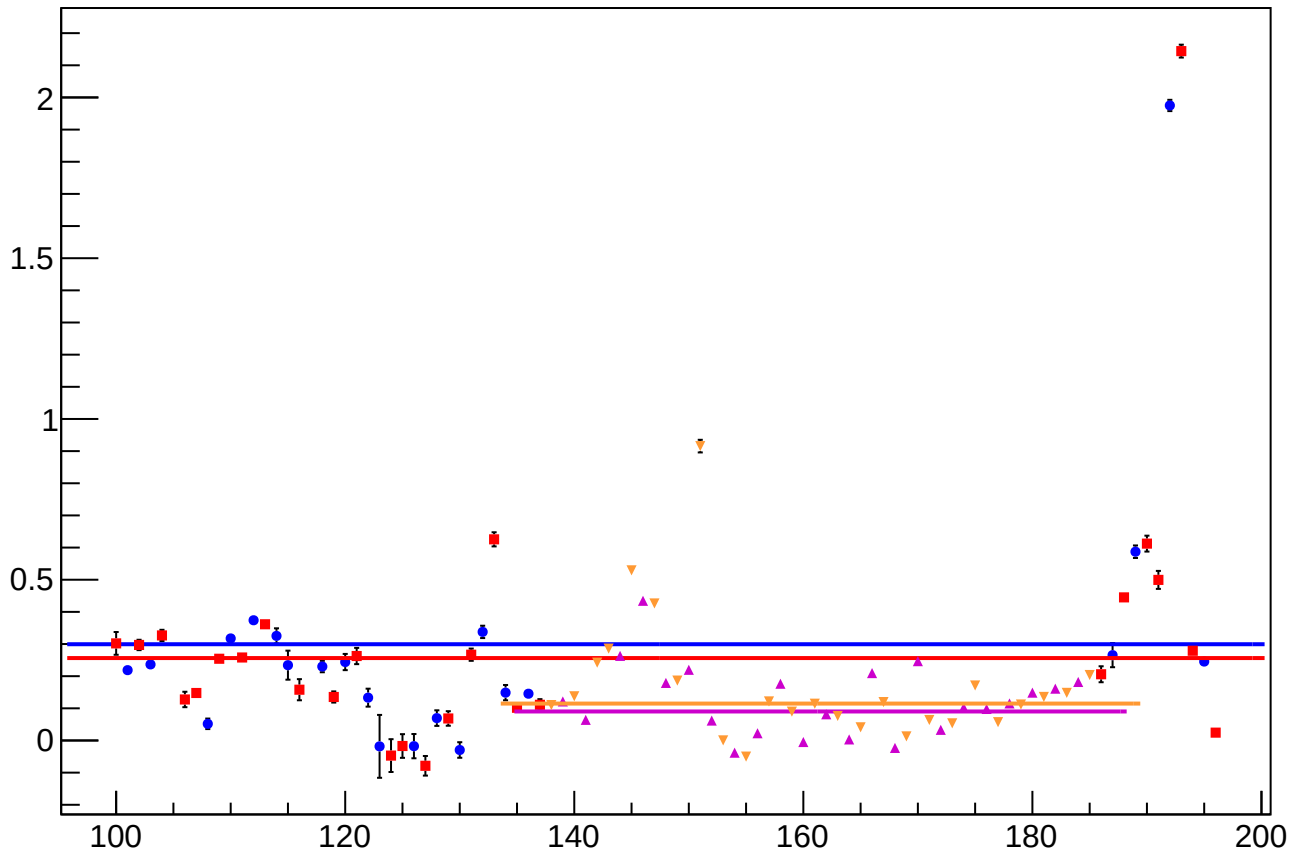
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.230 ± 0.032 χ^2/NDF : 11745.4/45

All: -1.135 ± 0.022 χ^2/NDF : 22817.3/94

- sign -1.052 ± 0.030 χ^2/NDF : 11055.6/48

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.299 ± 0.003 $\chi^2/\text{NDF}: 10503.3/20$

Left Out: 0.115 ± 0.002 $\chi^2/\text{NDF}: 4431.9/24$

Right Out: 0.256 ± 0.003 $\chi^2/\text{NDF}: 11532.7/25$

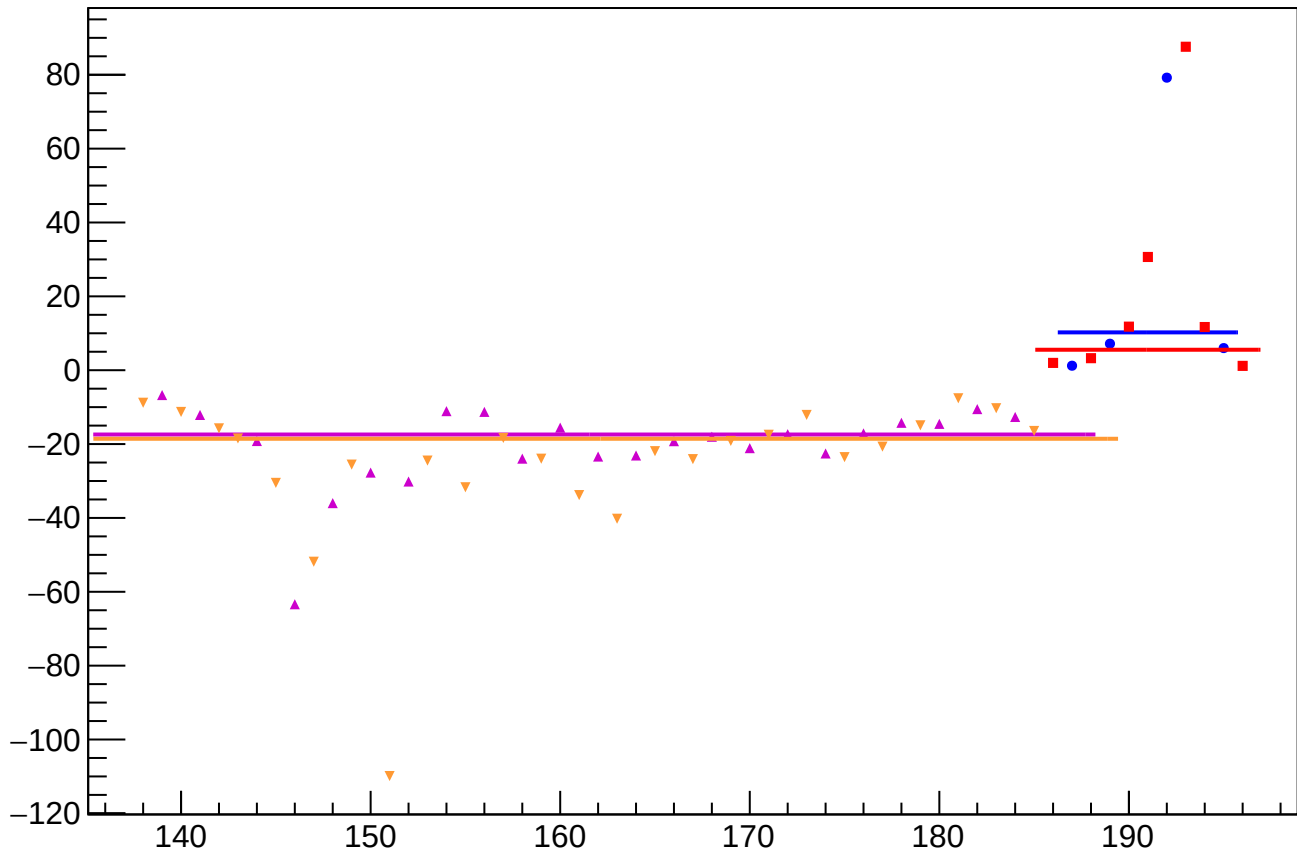
Left In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 3676.5/22$

+ sign 0.148 ± 0.001 $\chi^2/\text{NDF}: 17233.1/45$

All: 0.135 ± 0.001 $\chi^2/\text{NDF}: 34984.0/94$

- sign 0.124 ± 0.001 $\chi^2/\text{NDF}: 17612.5/48$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 10.244 ± 0.124 $\chi^2/\text{NDF}: 22417.8/3$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 5.541 ± 0.080 $\chi^2/\text{NDF}: 24072.2/6$

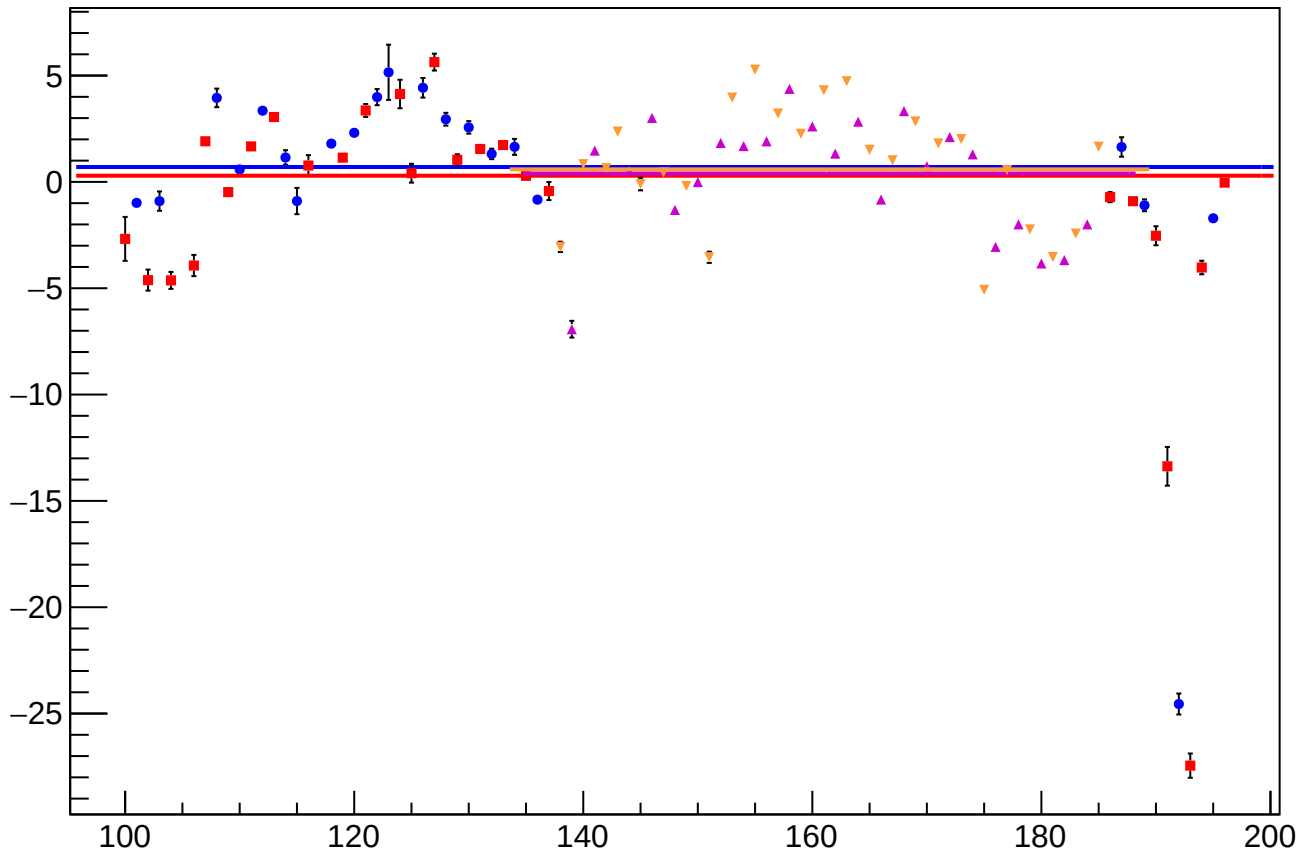
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -15.828 ± 0.038 $\chi^2/\text{NDF}: 157867.0/28$

All: -14.252 ± 0.026 $\chi^2/\text{NDF}: 295595.0/58$

- sign -12.907 ± 0.035 $\chi^2/\text{NDF}: 134562.3/29$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.700 ± 0.059 $\chi^2/\text{NDF}: 3533.4/20$

Left Out: 0.591 ± 0.033 $\chi^2/\text{NDF}: 6796.5/24$

Right Out: 0.290 ± 0.052 $\chi^2/\text{NDF}: 3984.3/25$

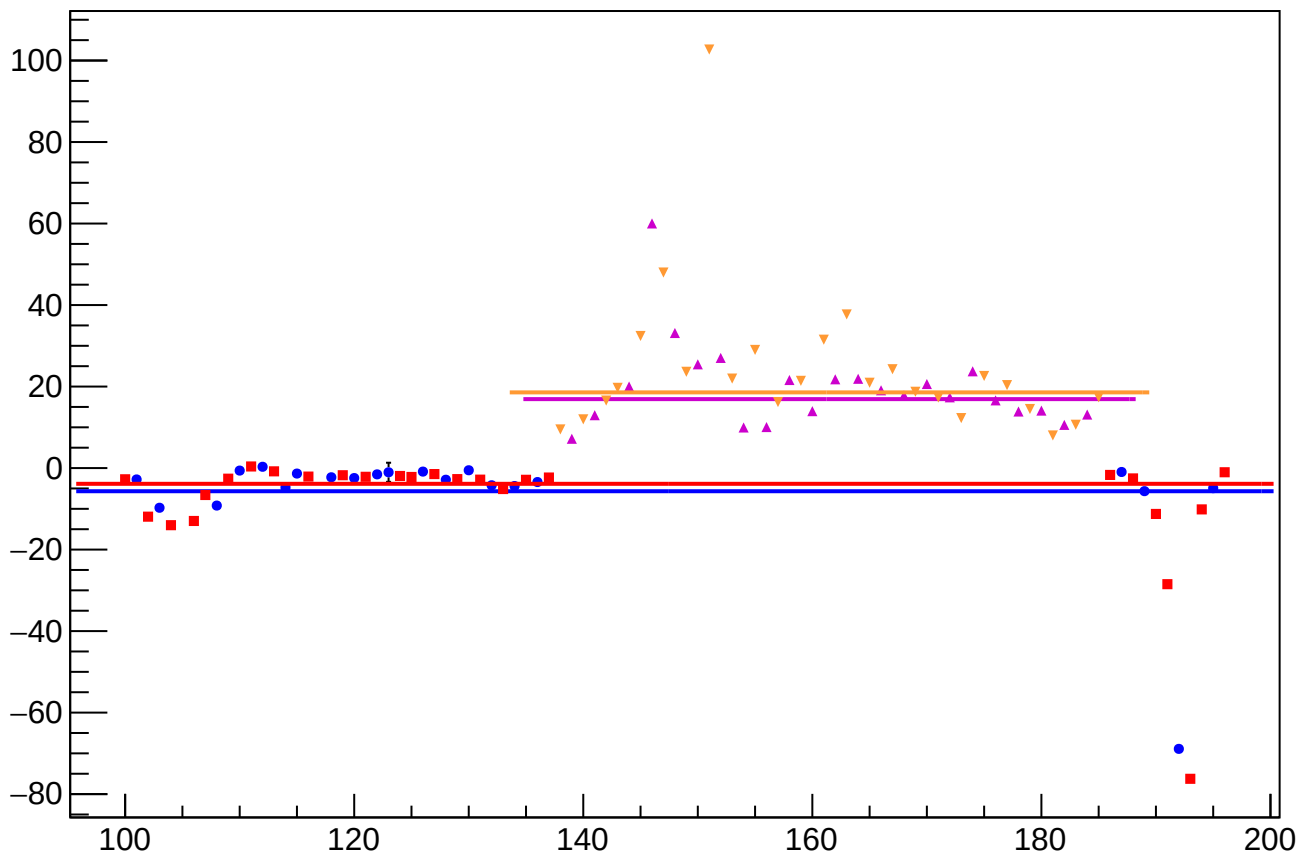
Left In: 0.394 ± 0.032 $\chi^2/\text{NDF}: 6059.8/22$

+ sign 0.617 ± 0.029 $\chi^2/\text{NDF}: 10332.5/45$

All: 0.483 ± 0.020 $\chi^2/\text{NDF}: 20419.9/94$

- sign 0.366 ± 0.027 $\chi^2/\text{NDF}: 10047.0/48$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.682 ± 0.078 $\chi^2/\text{NDF}: 24596.1/20$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -3.862 ± 0.055 $\chi^2/\text{NDF}: 25432.5/25$

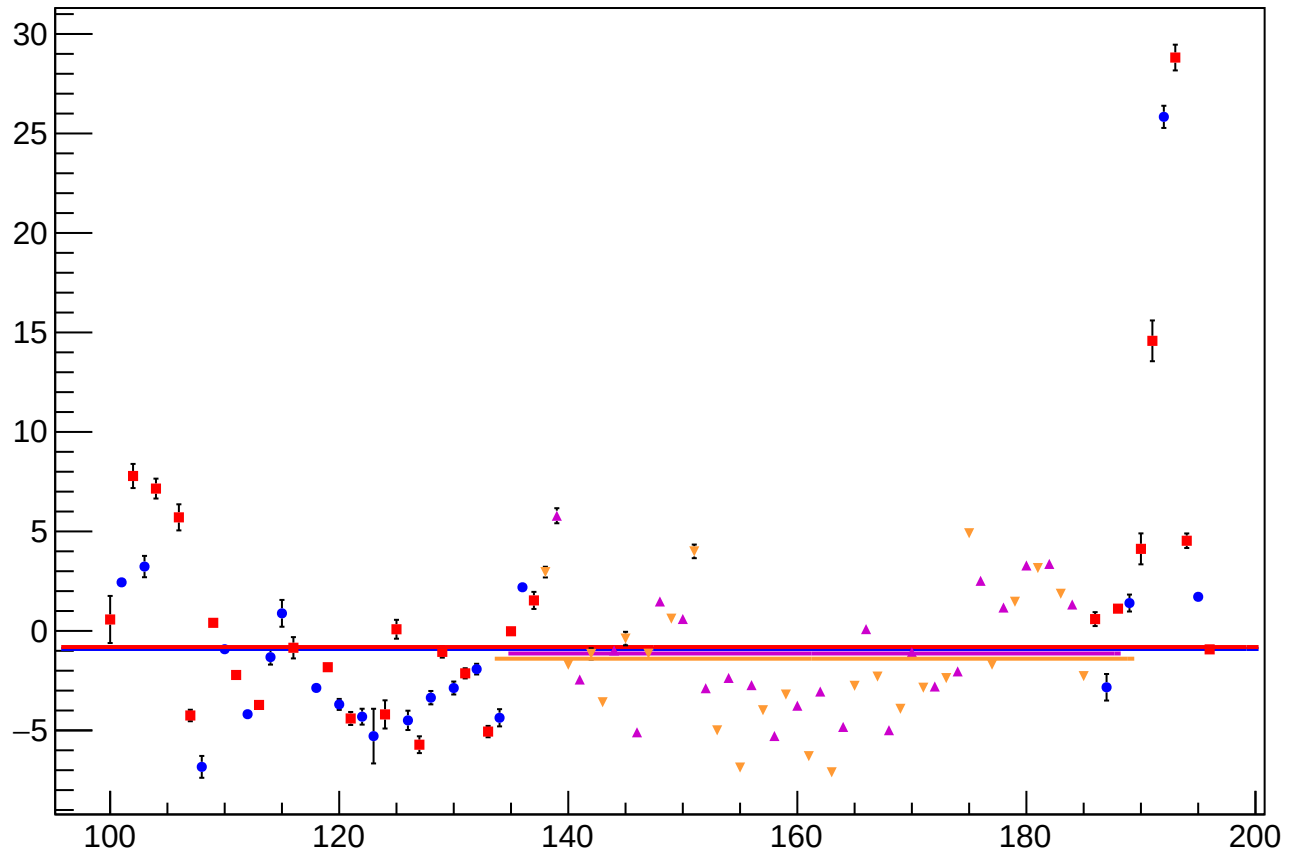
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 13.456 ± 0.036 $\chi^2/\text{NDF}: 177201.5/45$

All: 11.544 ± 0.024 $\chi^2/\text{NDF}: 342454.4/94$

- sign 10.031 ± 0.032 $\chi^2/\text{NDF}: 160134.5/48$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.908 ± 0.068 χ^2/NDF : 3753.7/20

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.810 ± 0.061 χ^2/NDF : 4244.8/25

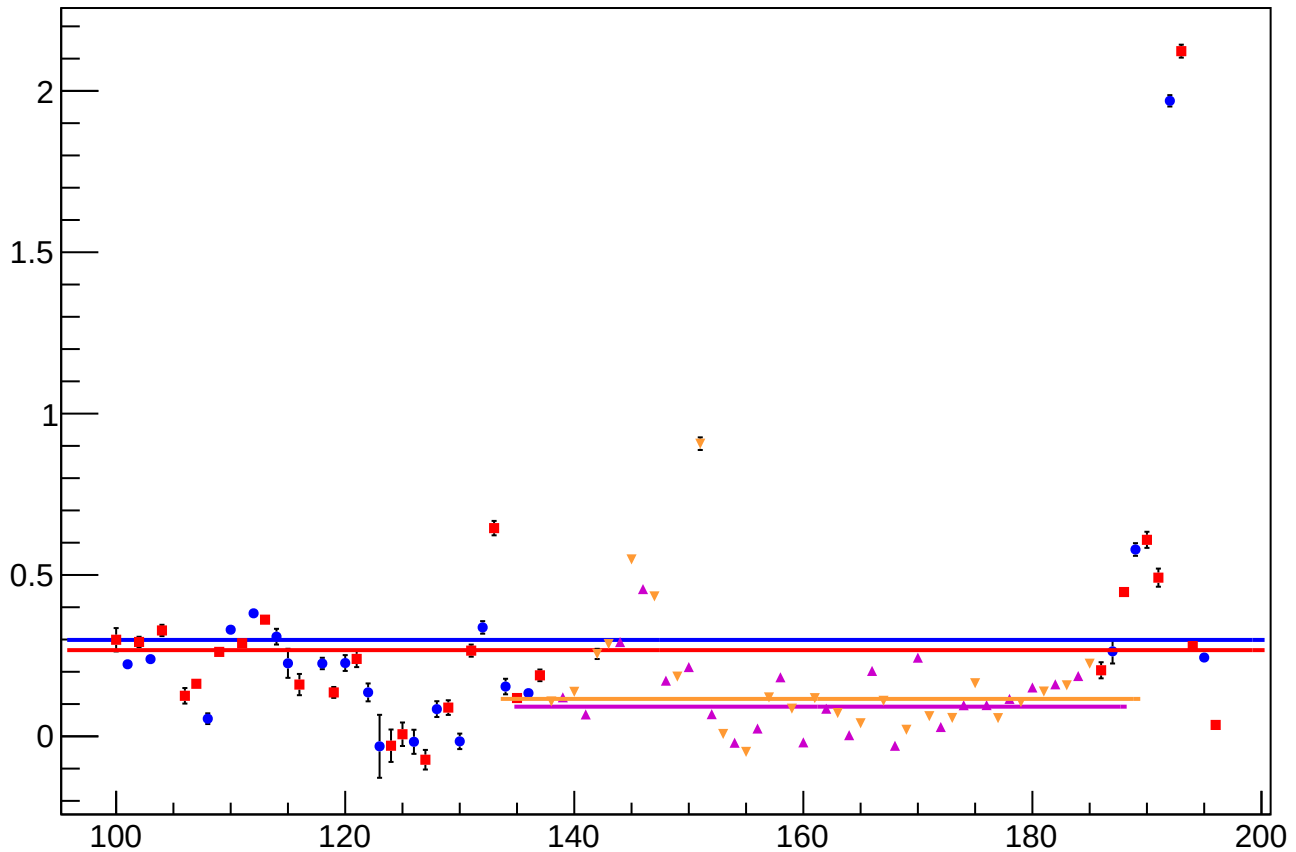
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.286 ± 0.032 χ^2/NDF : 11444.8/45

All: -1.162 ± 0.022 χ^2/NDF : 22336.0/94

- sign -1.053 ± 0.030 χ^2/NDF : 10863.8/48

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.299 ± 0.004 $\chi^2/\text{NDF}: 10340.6/20$

Left Out: 0.116 ± 0.002 $\chi^2/\text{NDF}: 4463.0/24$

Right Out: 0.267 ± 0.003 $\chi^2/\text{NDF}: 10996.1/25$

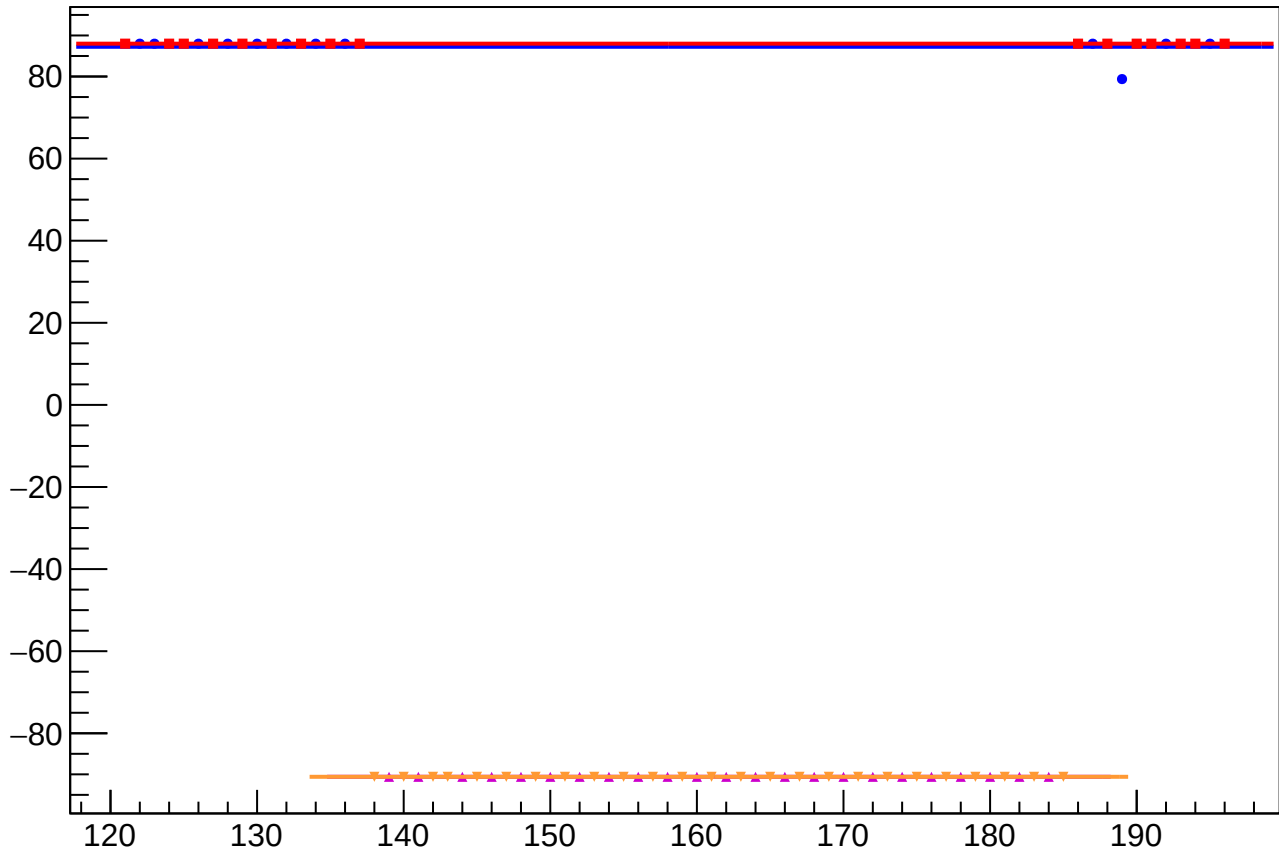
Left In: 0.092 ± 0.002 $\chi^2/\text{NDF}: 3631.4/22$

+ sign 0.149 ± 0.001 $\chi^2/\text{NDF}: 17005.6/45$

All: 0.137 ± 0.001 $\chi^2/\text{NDF}: 34330.8/94$

- sign 0.127 ± 0.001 $\chi^2/\text{NDF}: 17215.6/48$

VWienAngle_mean vs Slug



Right In: 87.247+/-0.000 χ^2 /NDF: 3464626946526282996857700016455680.0/11

Left Out: -90.599+/-0.000 χ^2 /NDF: 6053403.0/24

+ sign -48.954+/-0.000 χ^2 /NDF: 141496957464566

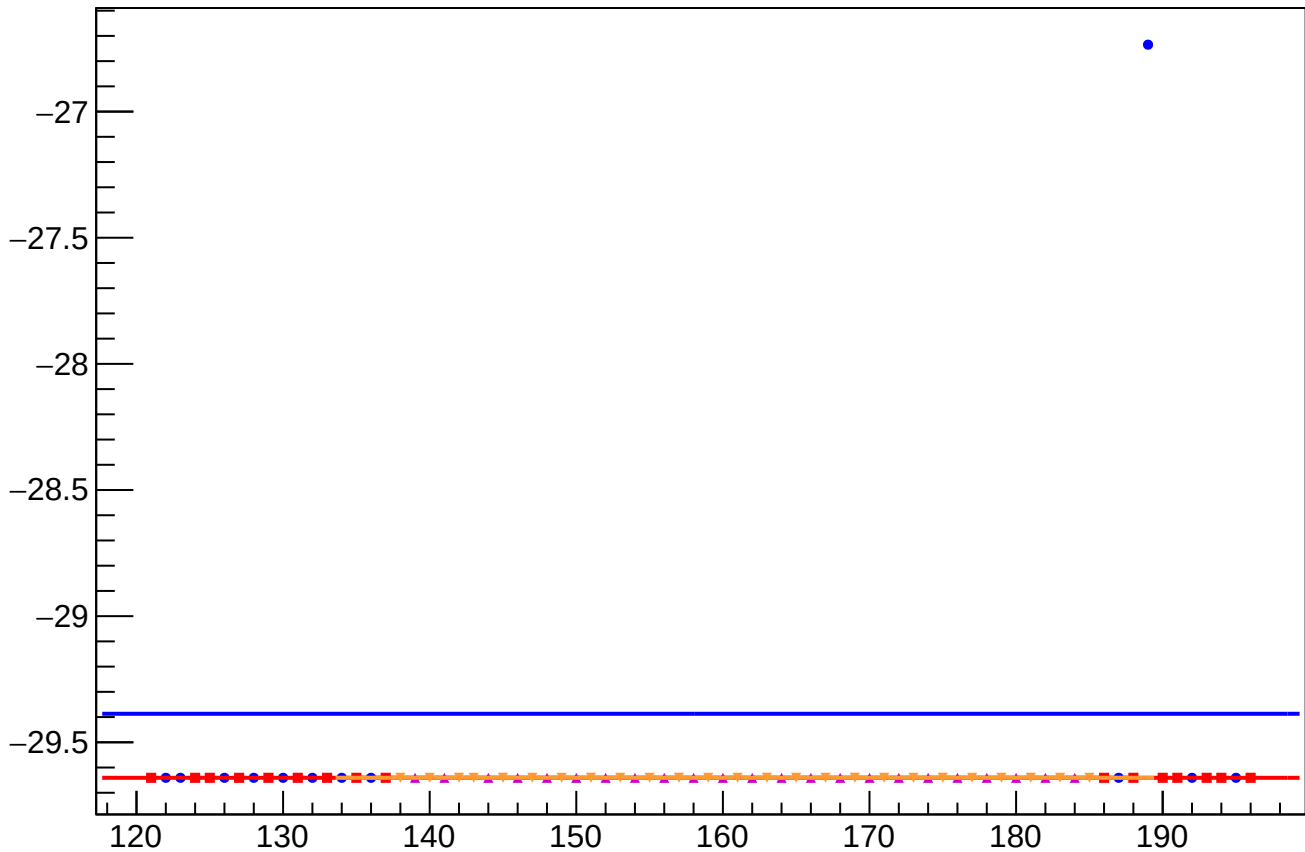
Right Out: 88.001+/-0.000 χ^2 /NDF: 365526.6/15

All: -43.372+/-0.000 χ^2 /NDF: 313316045507

- sign -37.951+/-0.000 χ^2 /NDF: 1702872843026477

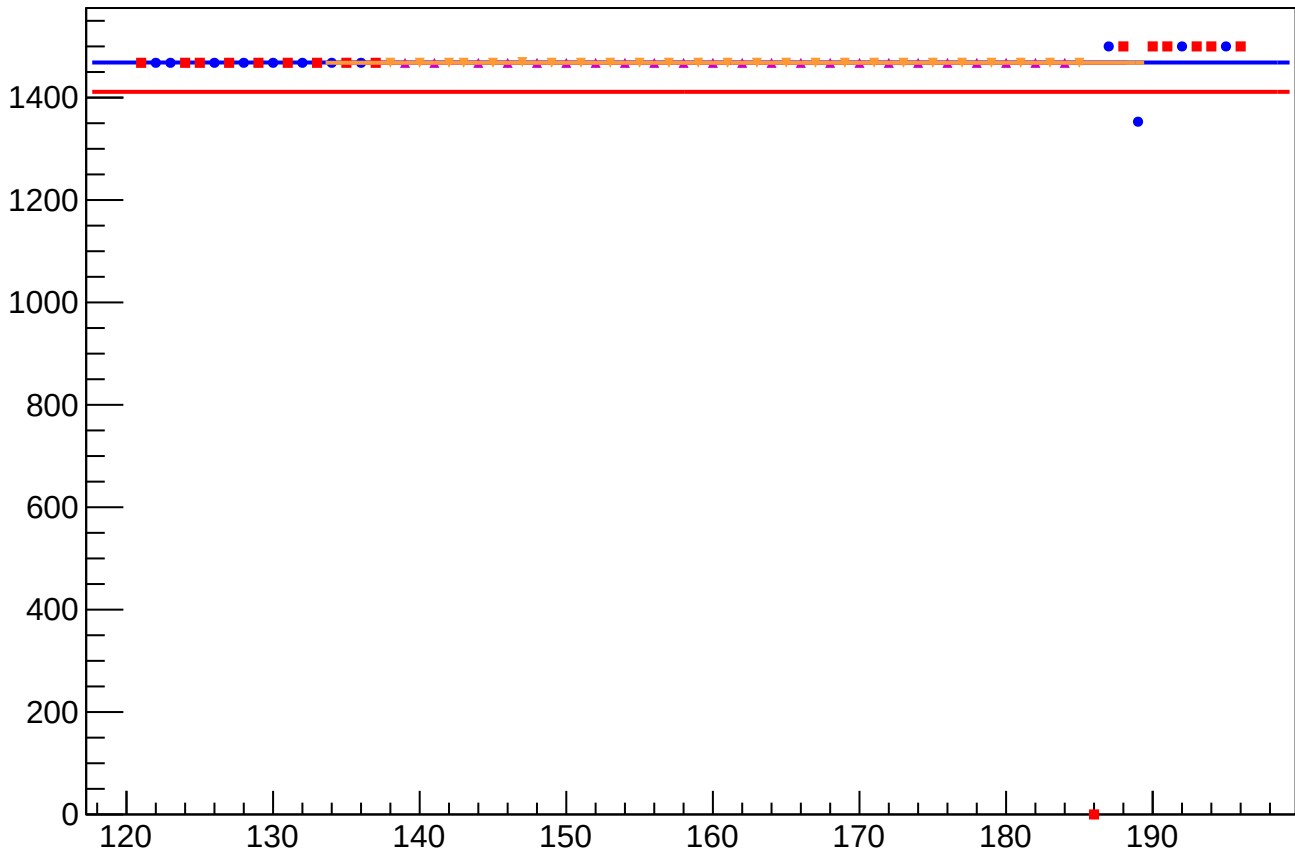
Left In: -90.599+/-0.000 χ^2 /NDF: 5932436.0/22

HWienAngle_mean vs Slug



Right In: -29.387+/-0.000 χ^2/NDF : 393062124941034551811187777994752.0/11
 Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24 + sign -29.581+/-0.000 χ^2/NDF : 421865347677851
 Right Out: -29.641+/-0.000 χ^2/NDF : 917842.8/15 All: -29.611+/-0.000 χ^2/NDF : 426333144771
 Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22 - sign -29.641+/-0.000 χ^2/NDF : 2166073.2/38

psub_pl_pos_mean vs Slug



Right In: 1468.570+/-0.000 χ^2/NDF : 873632559050777034310875655763394560.0/11

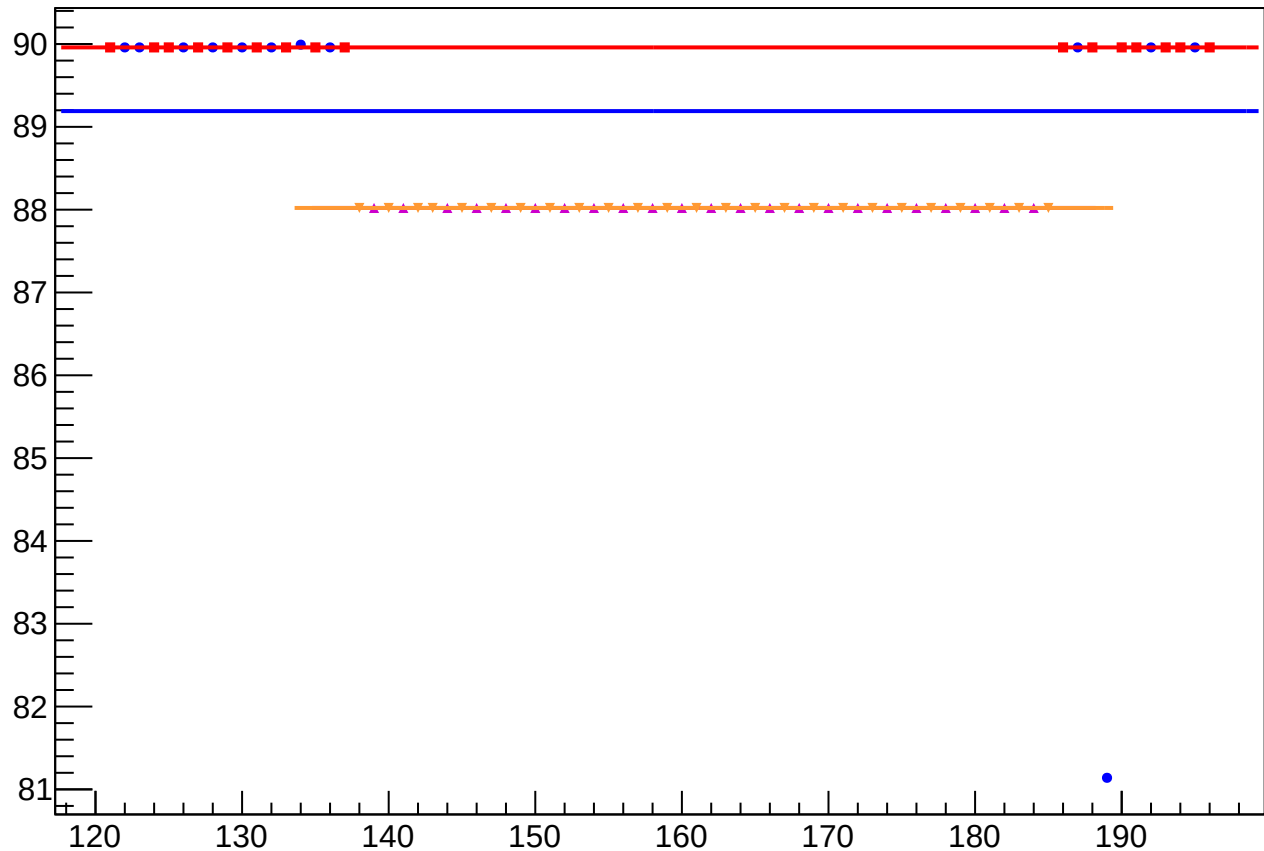
Left Out: 1468.048+/-0.000 χ^2 /NDF:127960980922965975039069502046208.0/24 χ^2 /NDF: 87388270985533

Right Out: 1411.295+/-0.000 χ^2 /NDF: 79867404208192270033800631340647841792.0/15 All: 1459.602+/-0.000 χ^2 /NDF: 82818445129

Left In: 1467.994+/-0.000 χ^2/NDF :145848702340275035310993178624.0/22 χ^2/NDF : 81583614576112

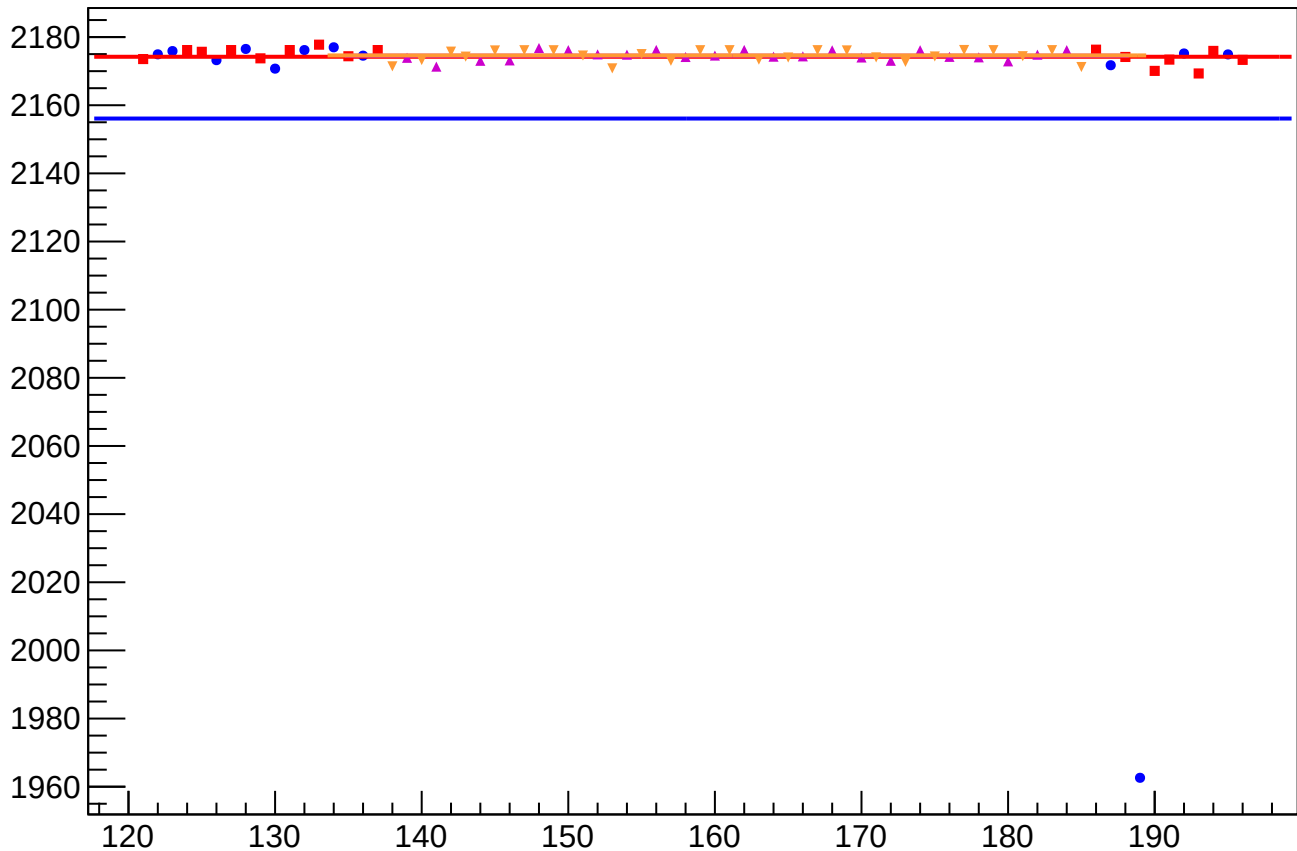
Left In: 1467.994+/-0.000 χ^2/NDF :145848702340275035310993178624.0/22

Phi_FG_mean vs Slug



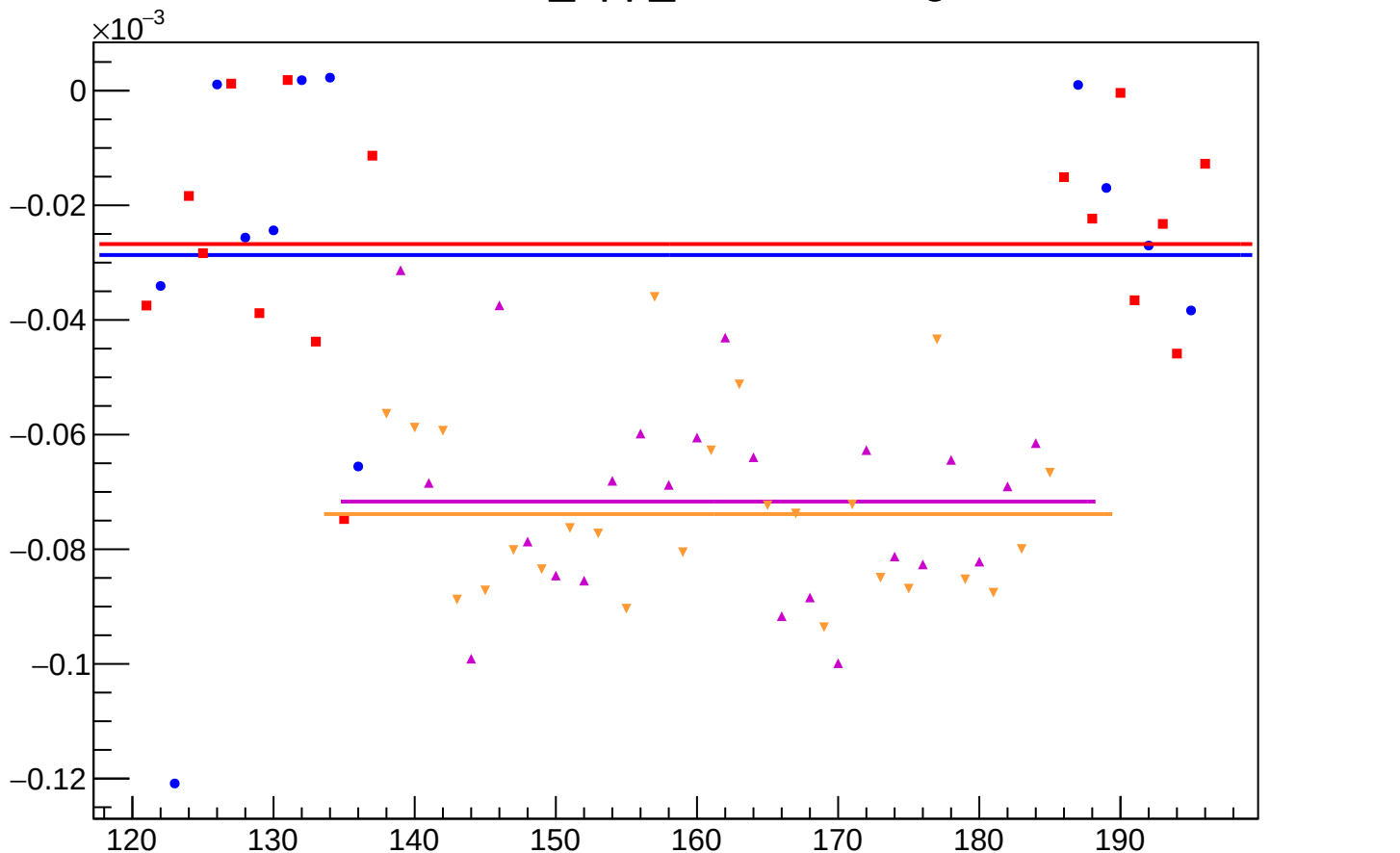
Right In: 89.190 ± 0.000 $\chi^2/NDF: 3621655781974890227763223885512704.0/11$
 Left Out: 88.021 ± 0.000 $\chi^2/NDF: 5326388.8/24$ + sign 88.295 ± 0.000 $\chi^2/NDF: 4233458829150310$
 Right Out: 89.959 ± 0.000 $\chi^2/NDF: 2225471.3/15$ All: 88.446 ± 0.000 $\chi^2/NDF: 6351794156170$
 Left In: 88.021 ± 0.000 $\chi^2/NDF: 6084099.2/22$ - sign 88.592 ± 0.000 $\chi^2/NDF: 2006286389337345$

HALLA_p_mean vs Slug



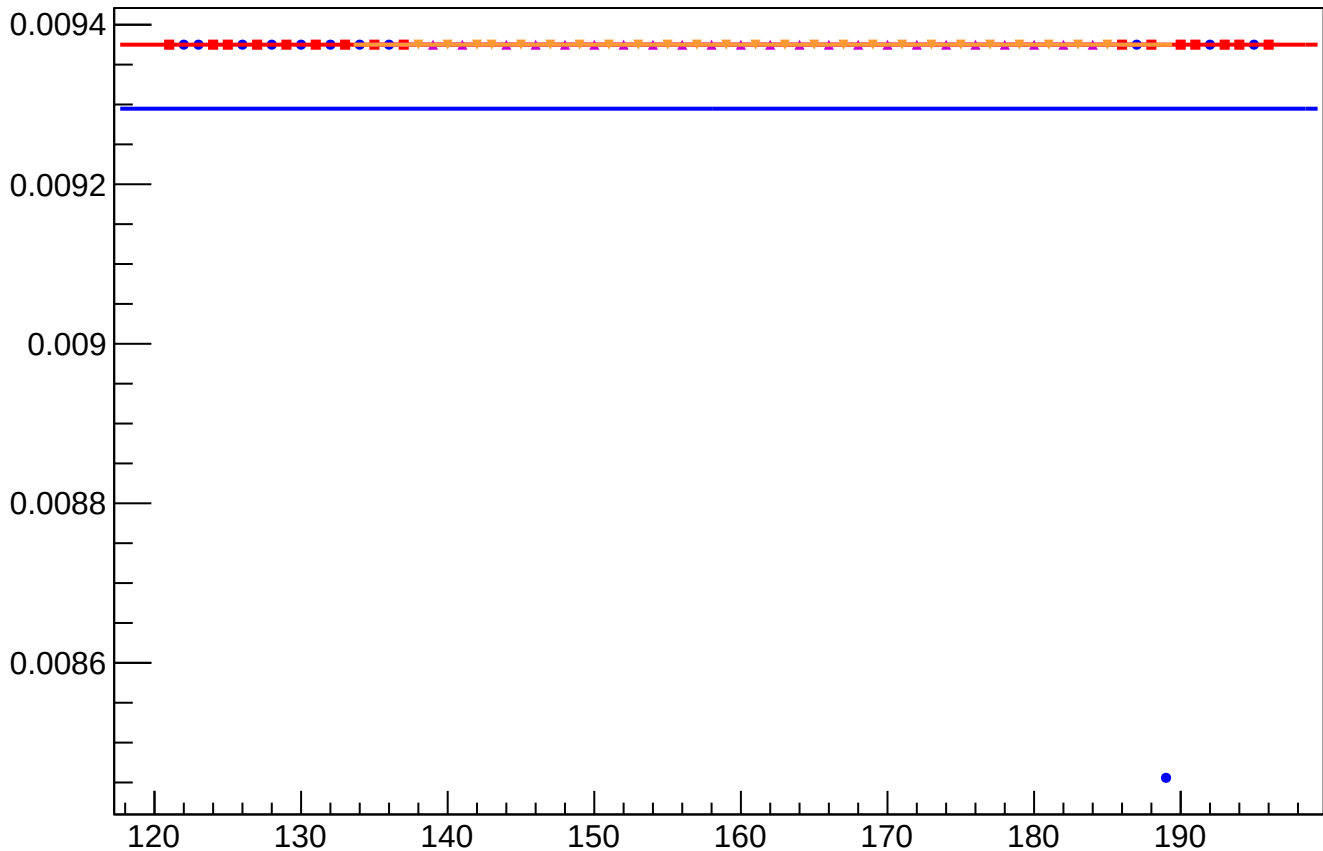
Right In: 2156.096 $\pm$ 0.000 χ^2 /NDF: 2093313906167101625015386119725907968.0/11
 Left Out: 2174.622 $\pm$ 0.000 χ^2 /NDF: 5110578135476093110874911595823104.0/24
 Right Out: 2174.222 $\pm$ 0.000 χ^2 /NDF: 4005435792971347725154947327590400.0/15
 Left In: 2174.539 $\pm$ 0.000 χ^2 /NDF: 3400742562425168967494665391570944.0/22
 All: 2172.395 $\pm$ 0.000 χ^2 /NDF: 22813056277
 + sign 2170.284 $\pm$ 0.000 χ^2 /NDF: 22519321955590
 - sign 2174.446 $\pm$ 0.000 χ^2 /NDF: 74598051493583

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 278443831084912474062848.0/11	+ sign -0.000+/-0.000	χ^2/NDF : 1642129419963219
Left Out: -0.000+/-0.000	χ^2/NDF : 450400934180541069000704.0/24	All: -0.000+/-0.000	χ^2/NDF : 3596514491321
Right Out: -0.000+/-0.000	χ^2/NDF : 285492795437640914567168.0/15	- sign -0.000+/-0.000	χ^2/NDF : 19247855334382672
Left In: -0.000+/-0.000	χ^2/NDF : 562166279020739416817664.0/22		

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 39321198567183025323376640.0/11

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/15

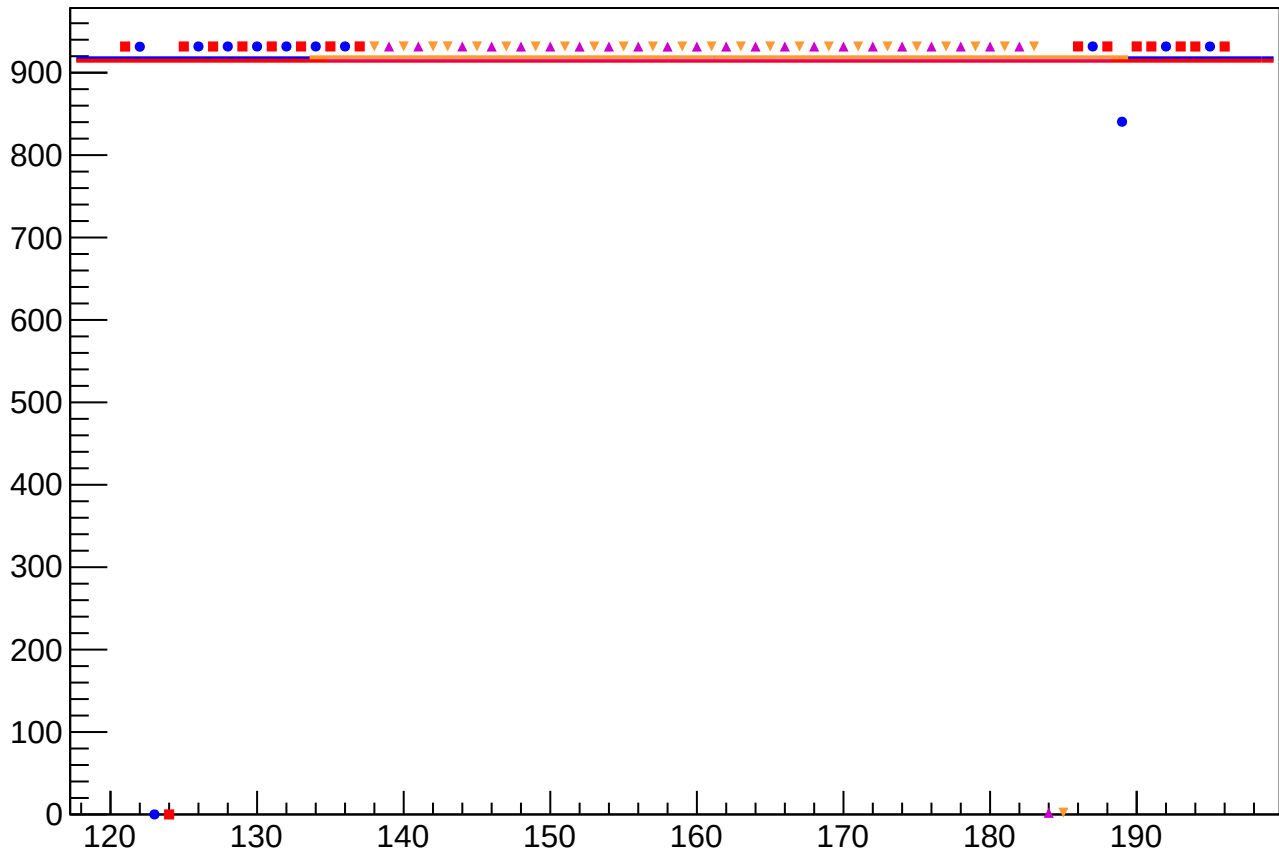
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42202619006201950

All: 0.009+/-0.000 χ^2/NDF : 42649569056928

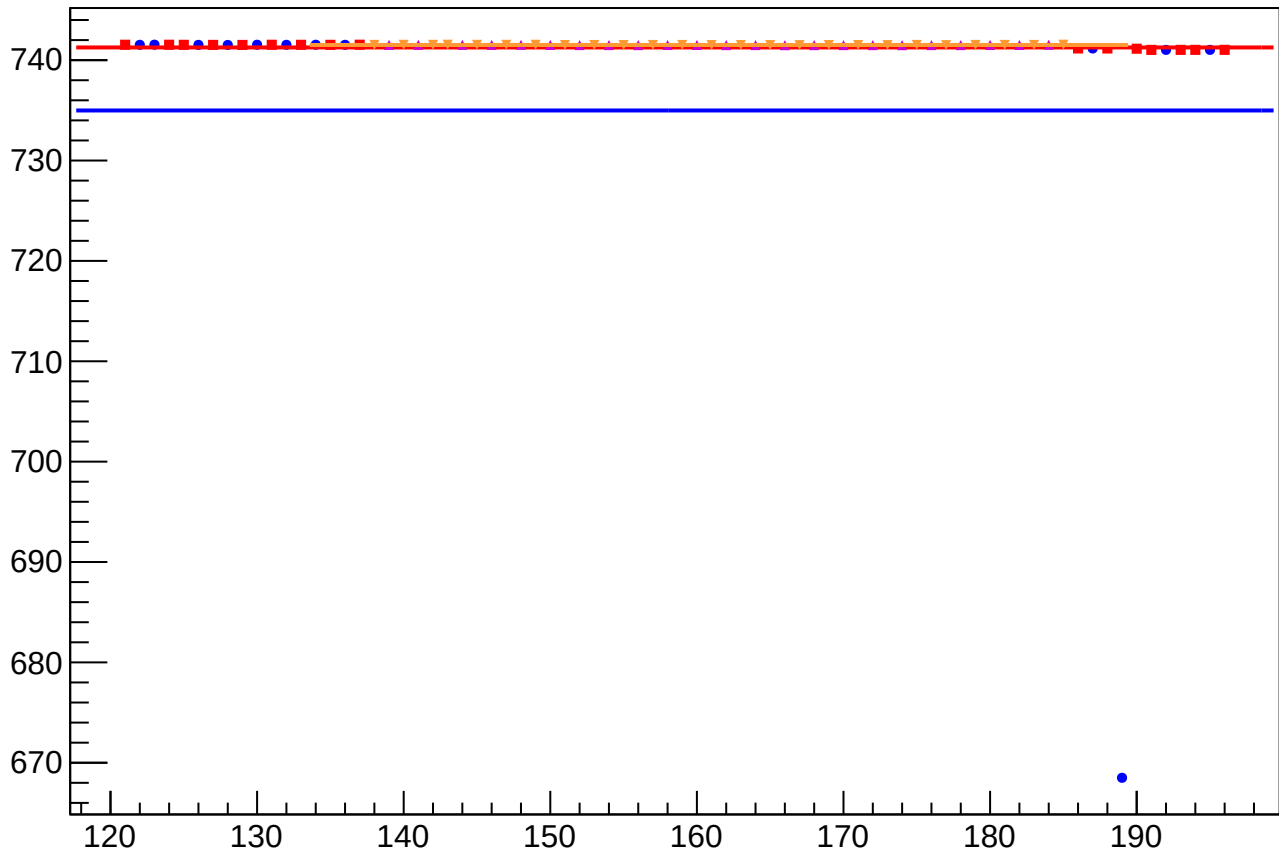
- sign 0.009+/-0.000 χ^2/NDF : 0.2/38

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 917.438+/-0.000 χ^2/NDF : 3777515256990711943713212544197853184.0/11
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 914.580+/-0.000 χ^2/NDF : 11930227895577111478040748451535257600.0/15
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

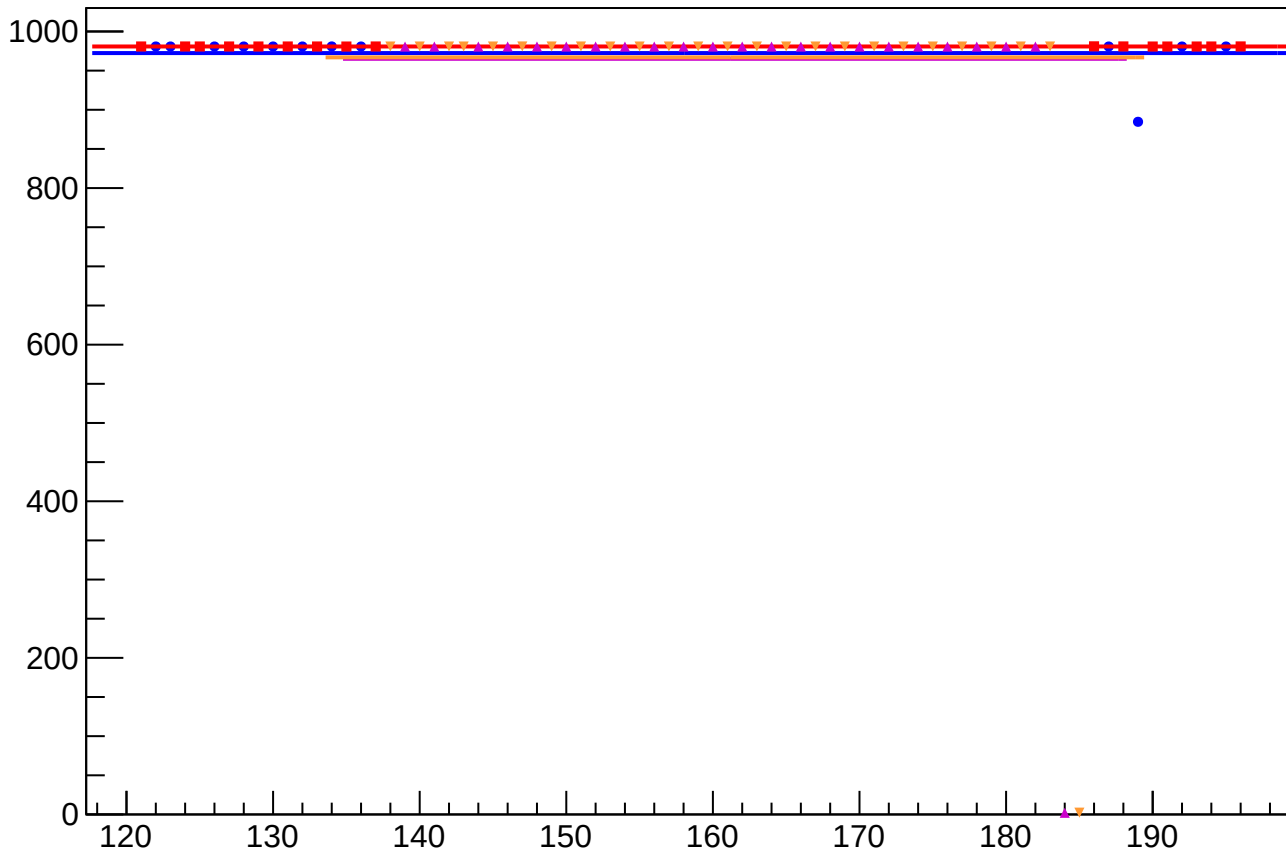
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 734.987 $\pm$ 0.000 χ^2 /NDF: 247044793494099417244258393202360320.0/11
Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 244782737401533731539808944128.0/24
Right Out: 741.266 $\pm$ 0.000 χ^2 /NDF: 39386545126525910265631288066048.0/15
Left In: 741.512 $\pm$ 0.000 χ^2 /NDF: 215375309108434607405602439168.0/22

+ sign 739.985 $\pm$ 0.000 χ^2 /NDF: 266091115002424
All: 740.723 $\pm$ 0.000 χ^2 /NDF: 268841423402
- sign 741.440 $\pm$ 0.000 χ^2 /NDF: 719198387239435

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 972.417+/-0.000 χ^2/NDF : 430547875071204393049715651995762688.0/11

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.841+/-0.000 χ^2/NDF : 2508463668112755384961514602496.0/15

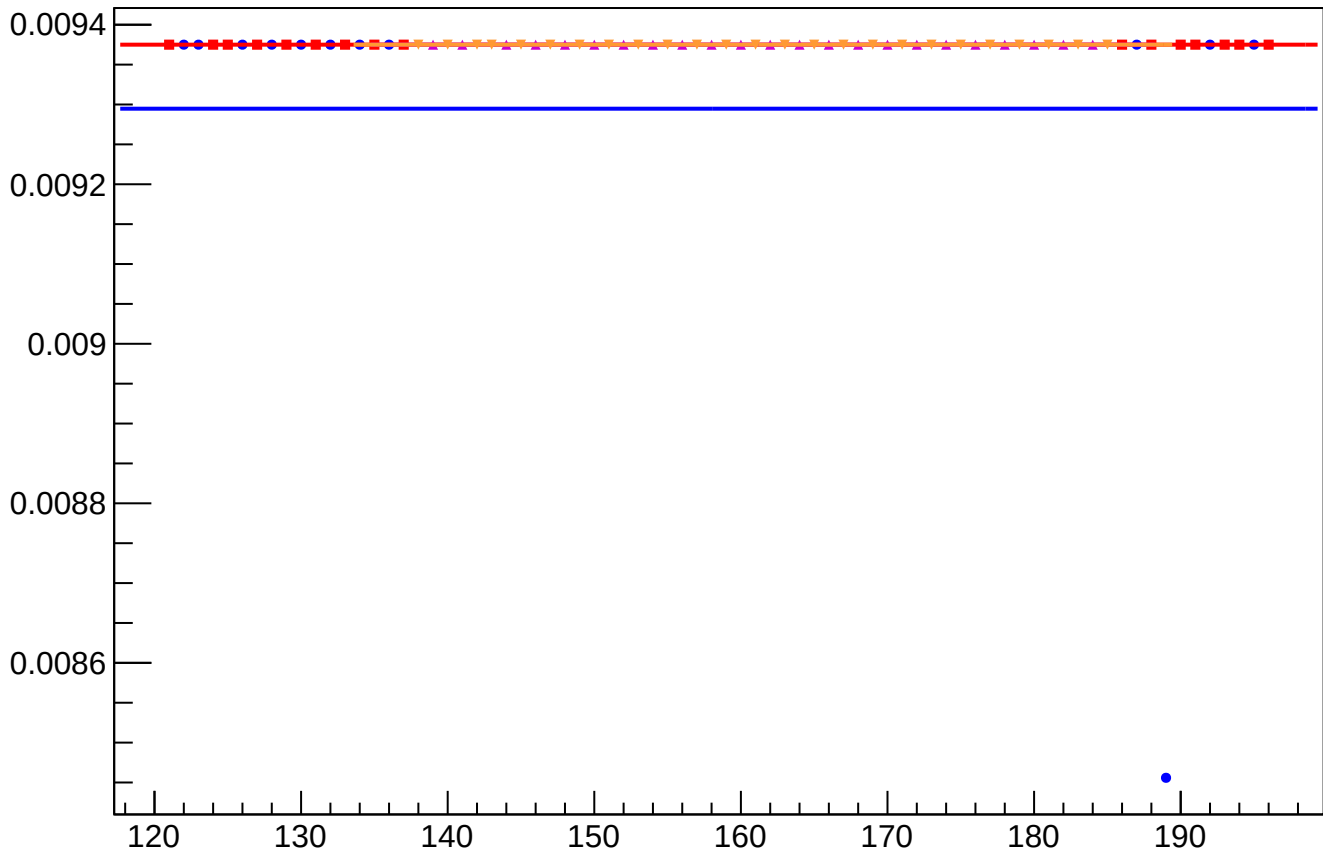
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 968.220+/-0.000 χ^2/NDF : 259295645796781

All: 968.992+/-0.000 χ^2/NDF : 533950642210

- sign 969.742+/-0.000 χ^2/NDF : 274625679705853

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 39321198567183025323376640.0/11

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/15

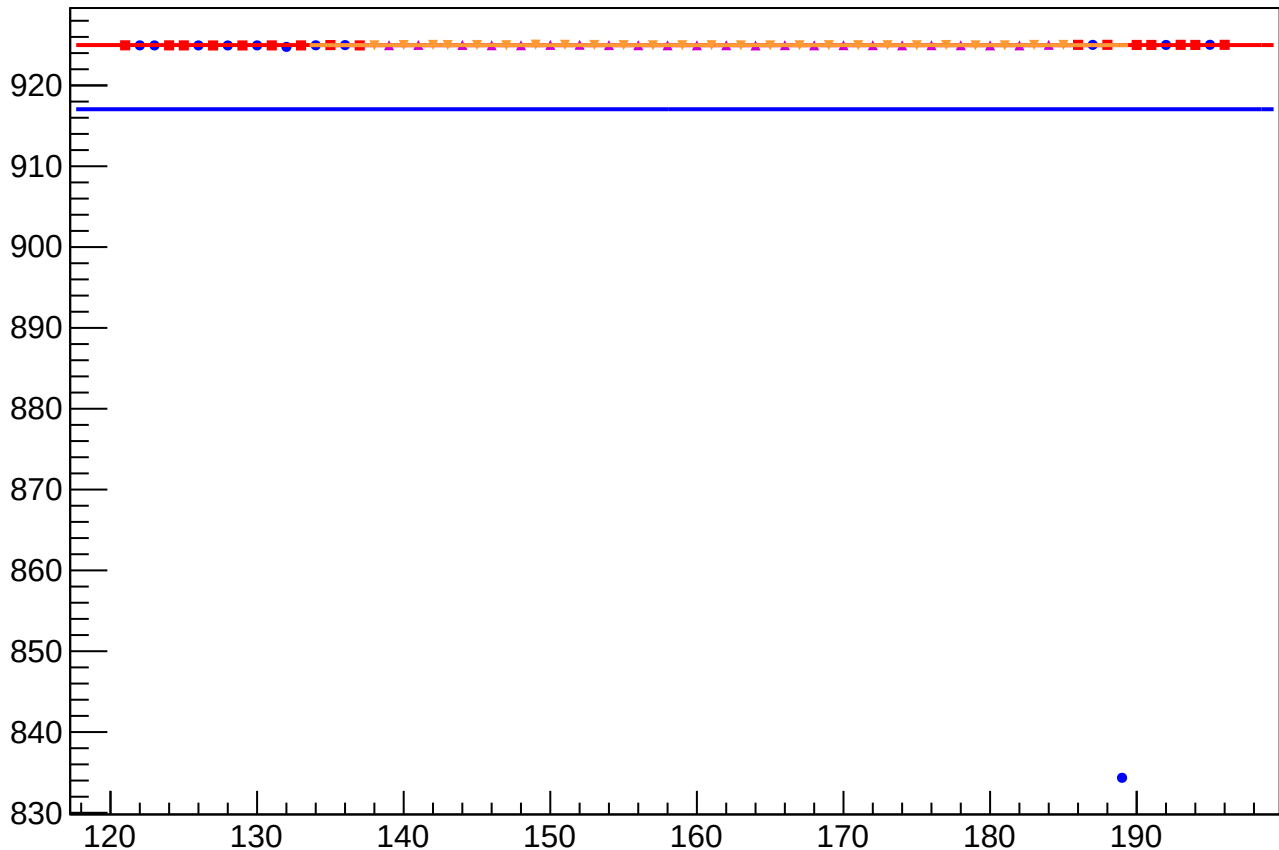
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42202619006201950

All: 0.009+/-0.000 χ^2/NDF : 42649569056928

- sign 0.009+/-0.000 χ^2/NDF : 0.2/38

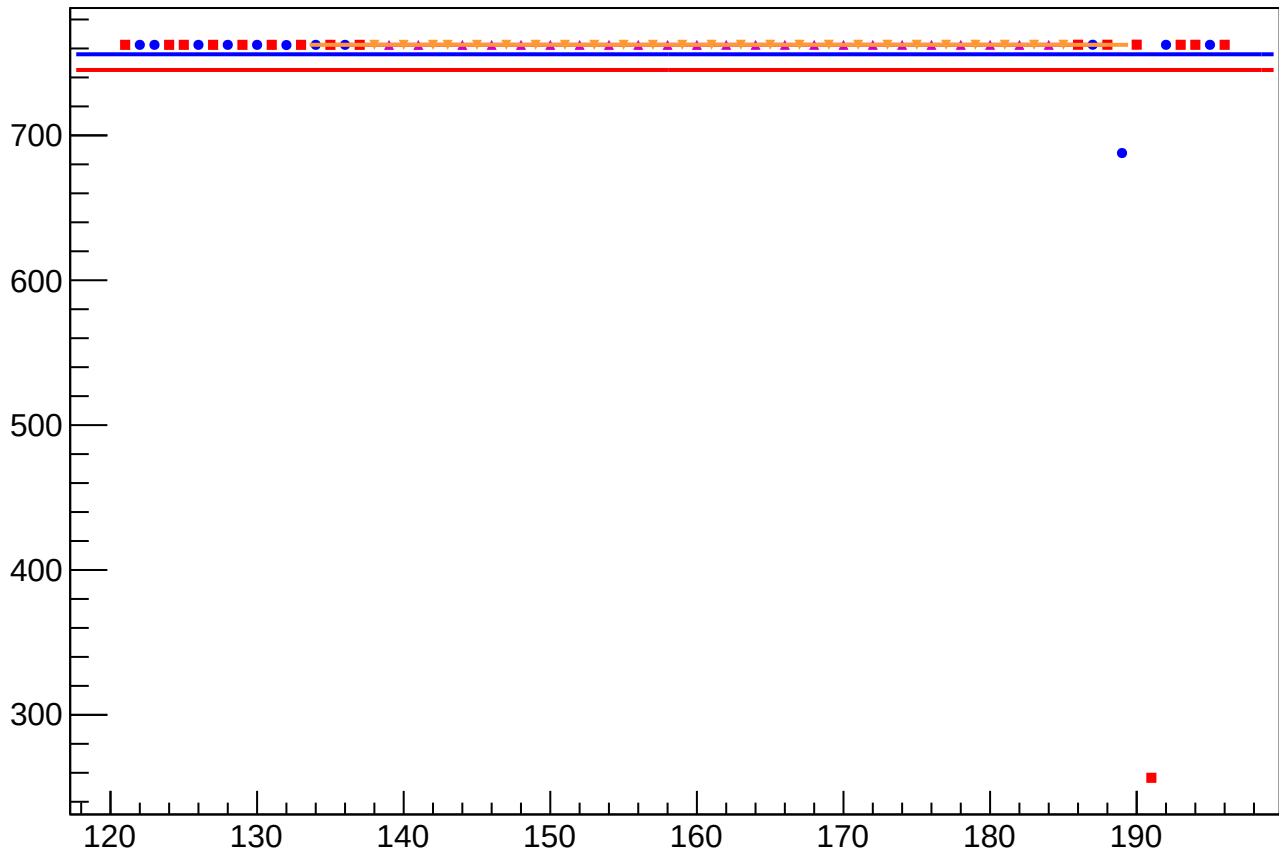
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 917.053 ± 0.000 χ^2/NDF : 382297033784759375108134664478392320.0/11
 Left Out: 924.983 ± 0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
 Right Out: 924.992 ± 0.000 χ^2/NDF : 749870321219263932748531761152.0/15
 Left In: 924.983 ± 0.000 χ^2/NDF : 888539224321534960792212865024.0/22

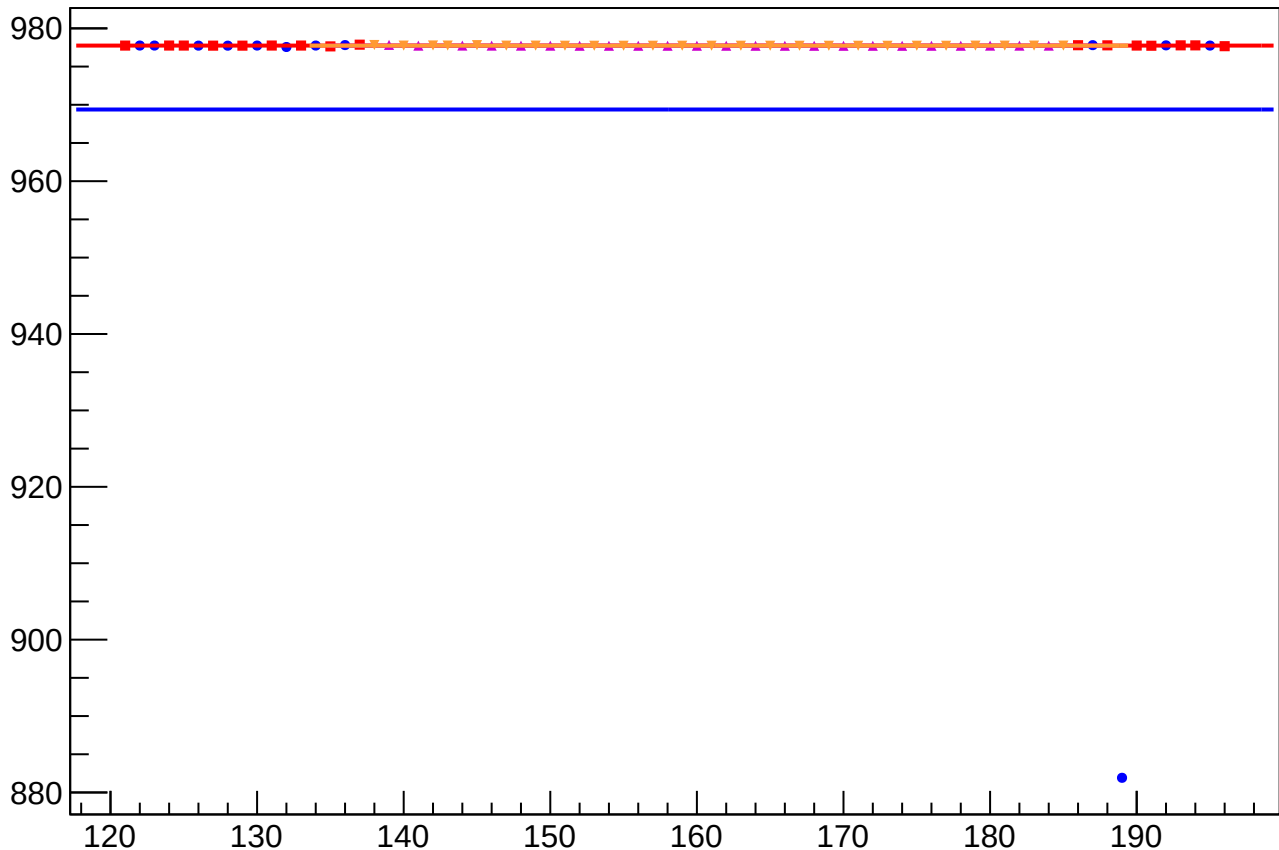
+ sign 923.126 ± 0.000 χ^2/NDF : 410417993956870
 All: 924.069 ± 0.000 χ^2/NDF : 414795441206
 - sign 924.986 ± 0.000 χ^2/NDF : 168234053286481

HacR_D1_HP3458A_IOUT_mean vs Slug



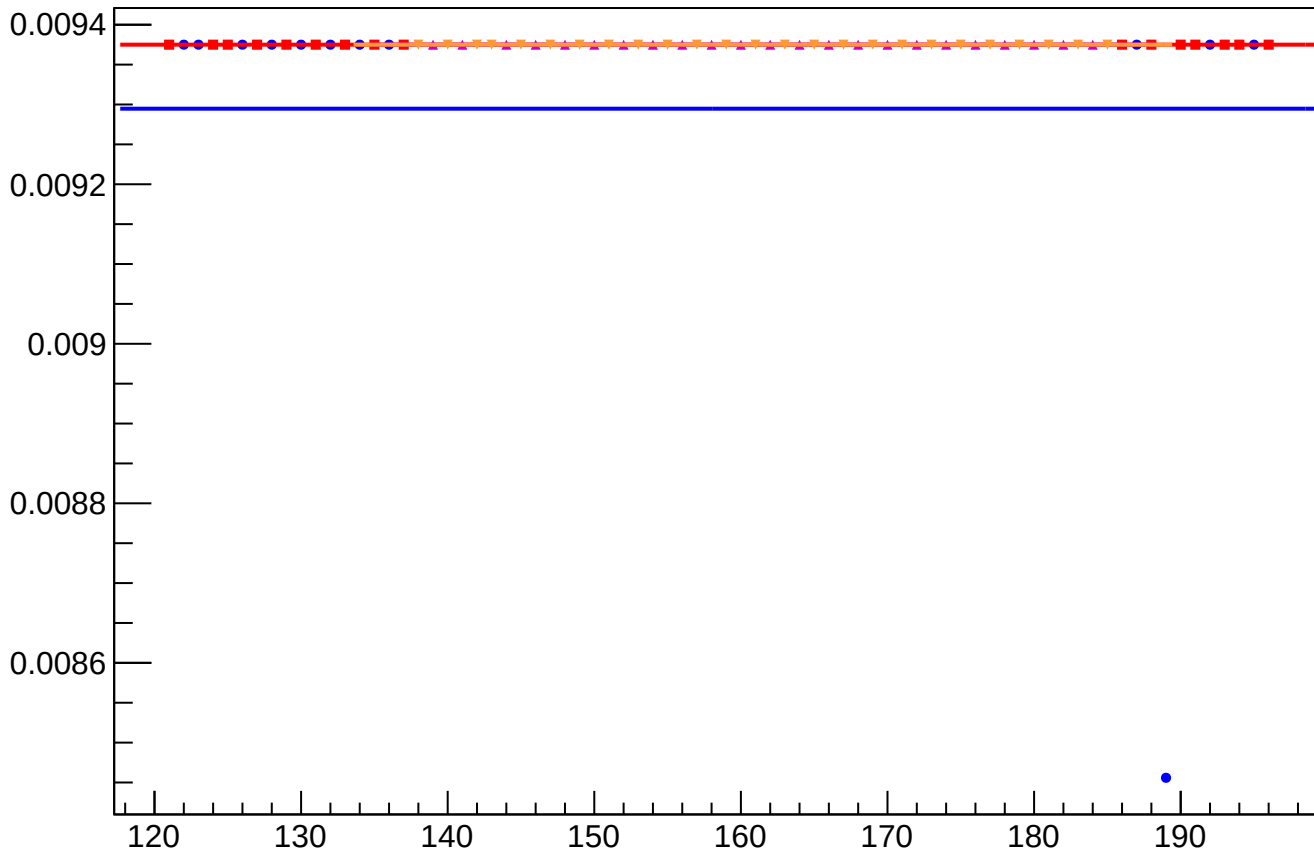
Right In: 755.979+/-0.000 χ^2/NDF : 259662381935853714767513217893662720.0/11
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 745.151+/-0.000 χ^2/NDF : 6427750785195720132806182545681022976.0/15
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 759.167+/-0.000 χ^2/NDF : 688385995330.0/15
 + sign 760.987+/-0.000 χ^2/NDF : 278789683248284.0/15
 - sign 757.399+/-0.000 χ^2/NDF : 658878450920814.0/15

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 969.381 ± 0.000 χ^2/NDF : 427450921087193950476237867036180480.0/11
 Left Out: 977.738 ± 0.000 χ^2/NDF : 1154150409979077132991401558016.0/24
 Right Out: 977.746 ± 0.000 χ^2/NDF : 1647331981306011460124004057088.0/15
 Left In: 977.735 ± 0.000 χ^2/NDF : 976503887937607318263199432704.0/22
 All: 976.774 ± 0.000 χ^2/NDF : 463536439517.0/24
 + sign 975.781 ± 0.000 χ^2/NDF : 458687074892621.0/24
 - sign 977.738 ± 0.000 χ^2/NDF : 268781219612192.0/24

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 39321198567183025323376640.0/11

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/15

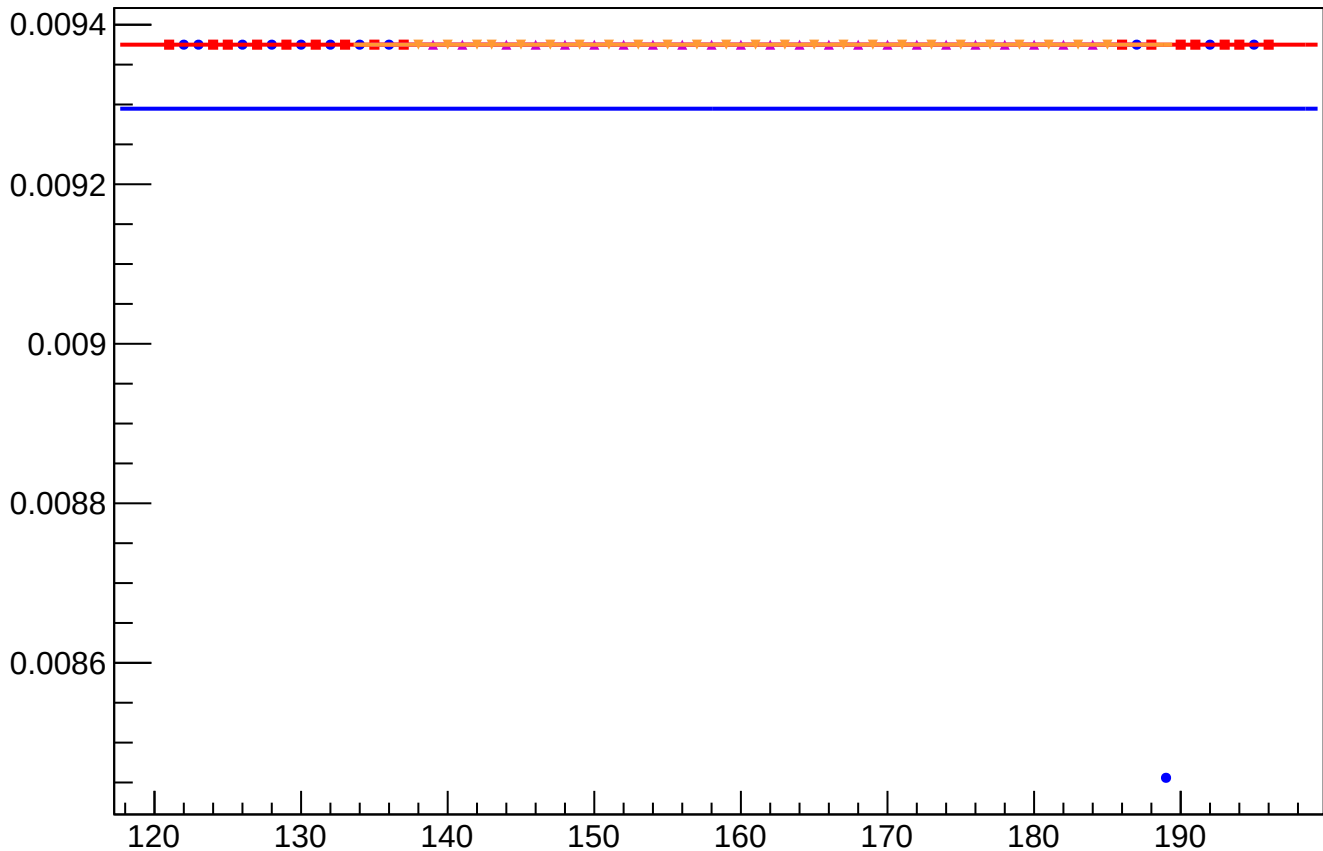
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42202619006201950

All: 0.009+/-0.000 χ^2/NDF : 42649569056928

- sign 0.009+/-0.000 χ^2/NDF : 0.2/38

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 39321198567183025323376640.0/11

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/15

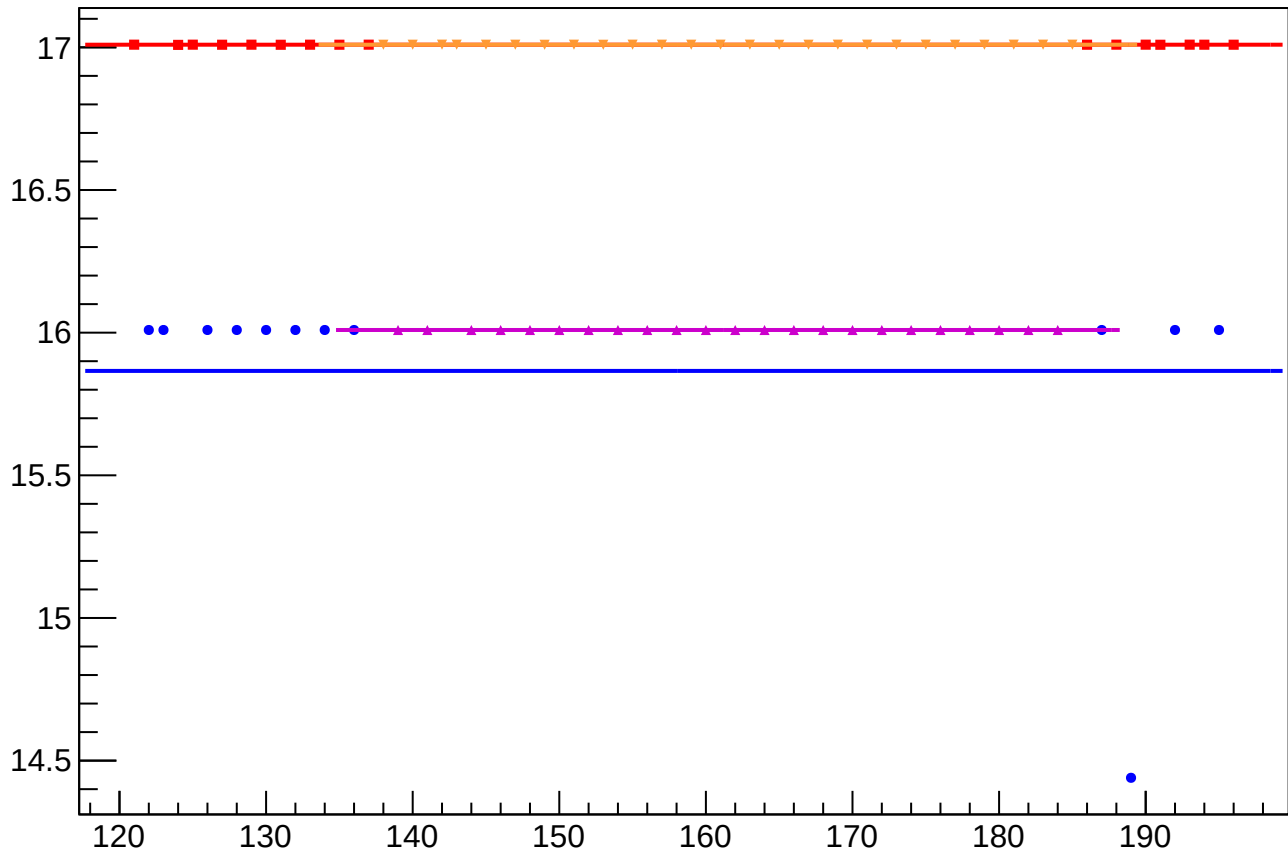
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42202619006201950

All: 0.009+/-0.000 χ^2/NDF : 42649569056928

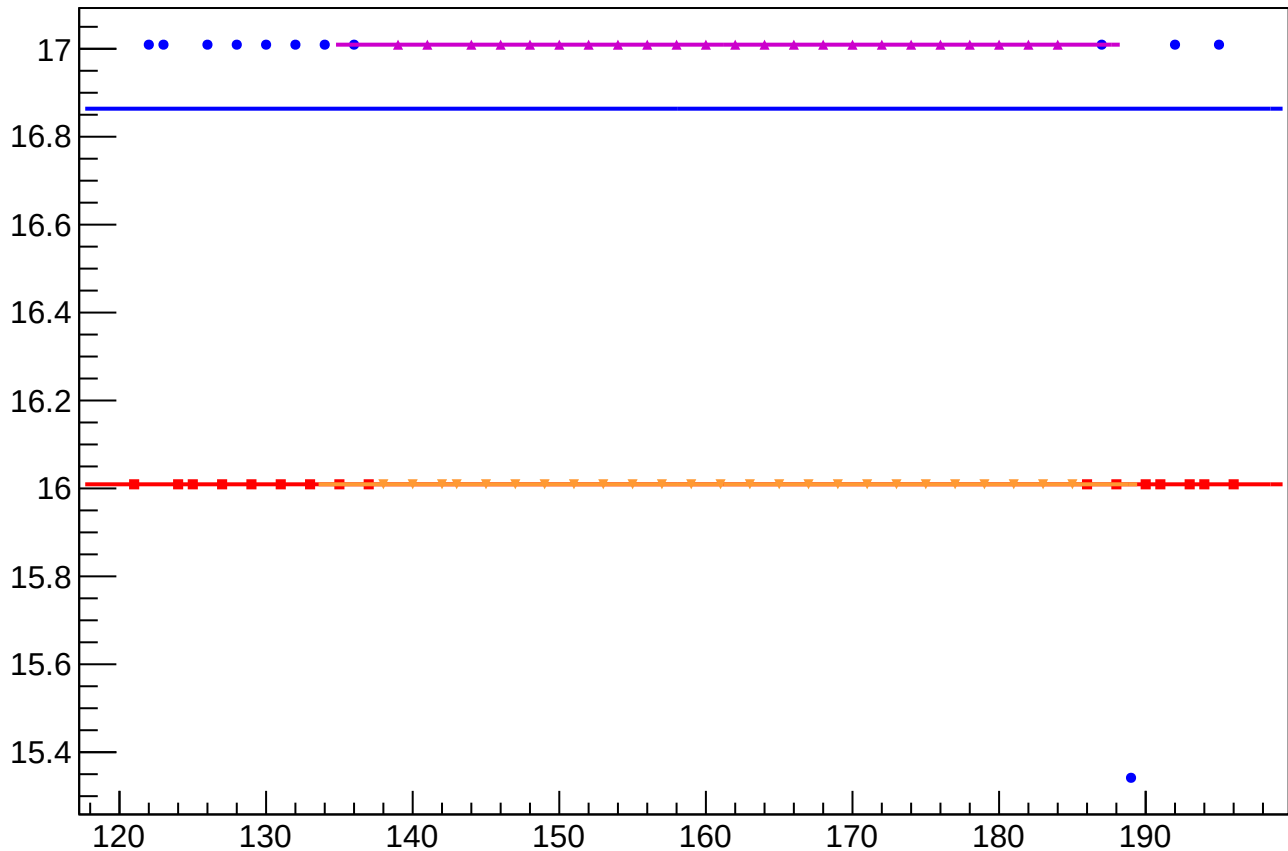
- sign 0.009+/-0.000 χ^2/NDF : 0.2/38

IGL1I00DI24_24M_mean vs Slug



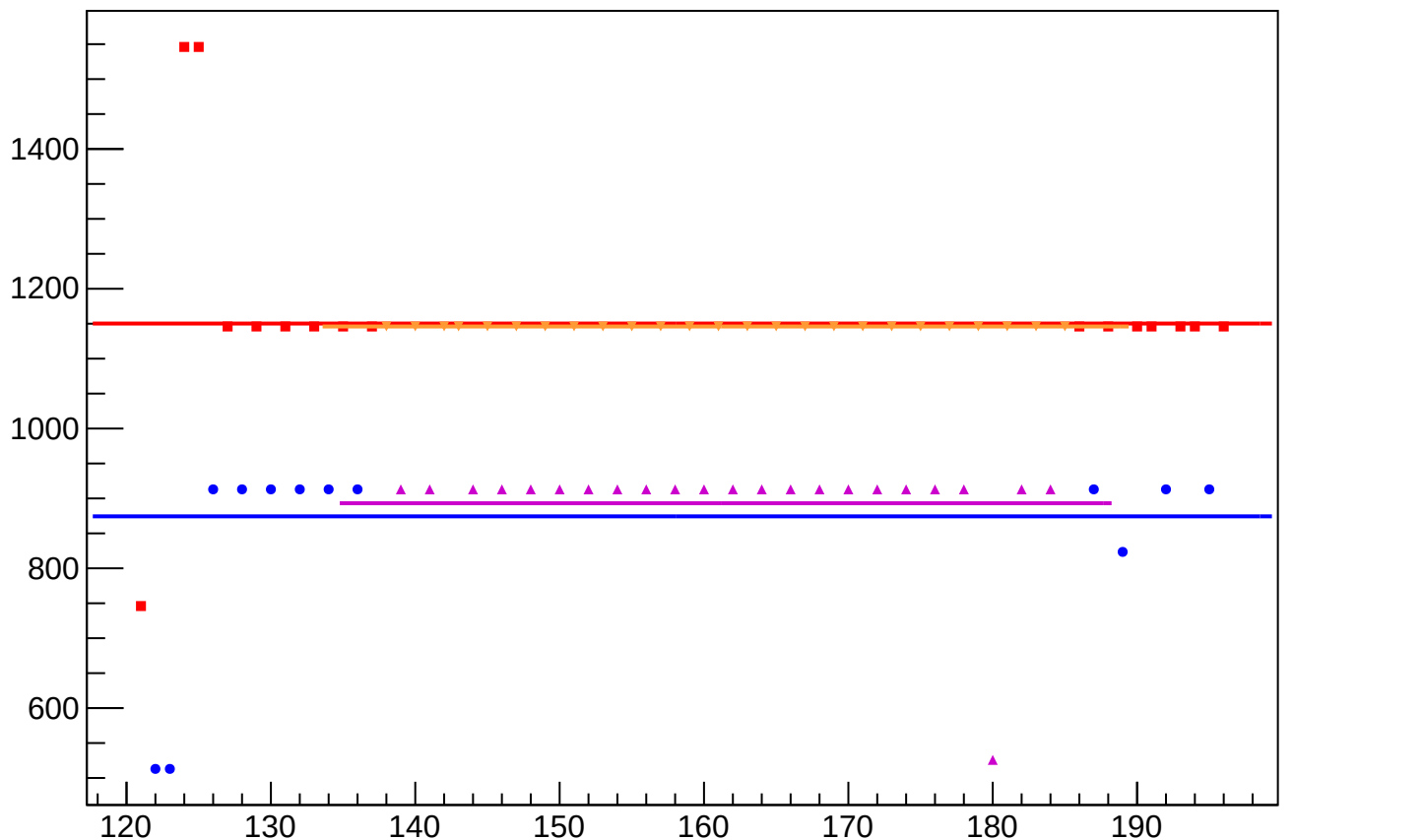
Right In: 15.866+/-0.000 χ^2/NDF : 114154319137453233696957240705024.0/11
 Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24
 Right Out: 17.009+/-0.000 χ^2/NDF : 12432142634261846320742400.0/15
 Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22
 + sign 16.736+/-0.000 χ^2/NDF : 6691271111065714
 All: 16.521+/-0.000 χ^2/NDF : 1393976697753
 - sign 16.315+/-0.000 χ^2/NDF : 5143727093645376

IGL1I00OD16_16_mean vs Slug



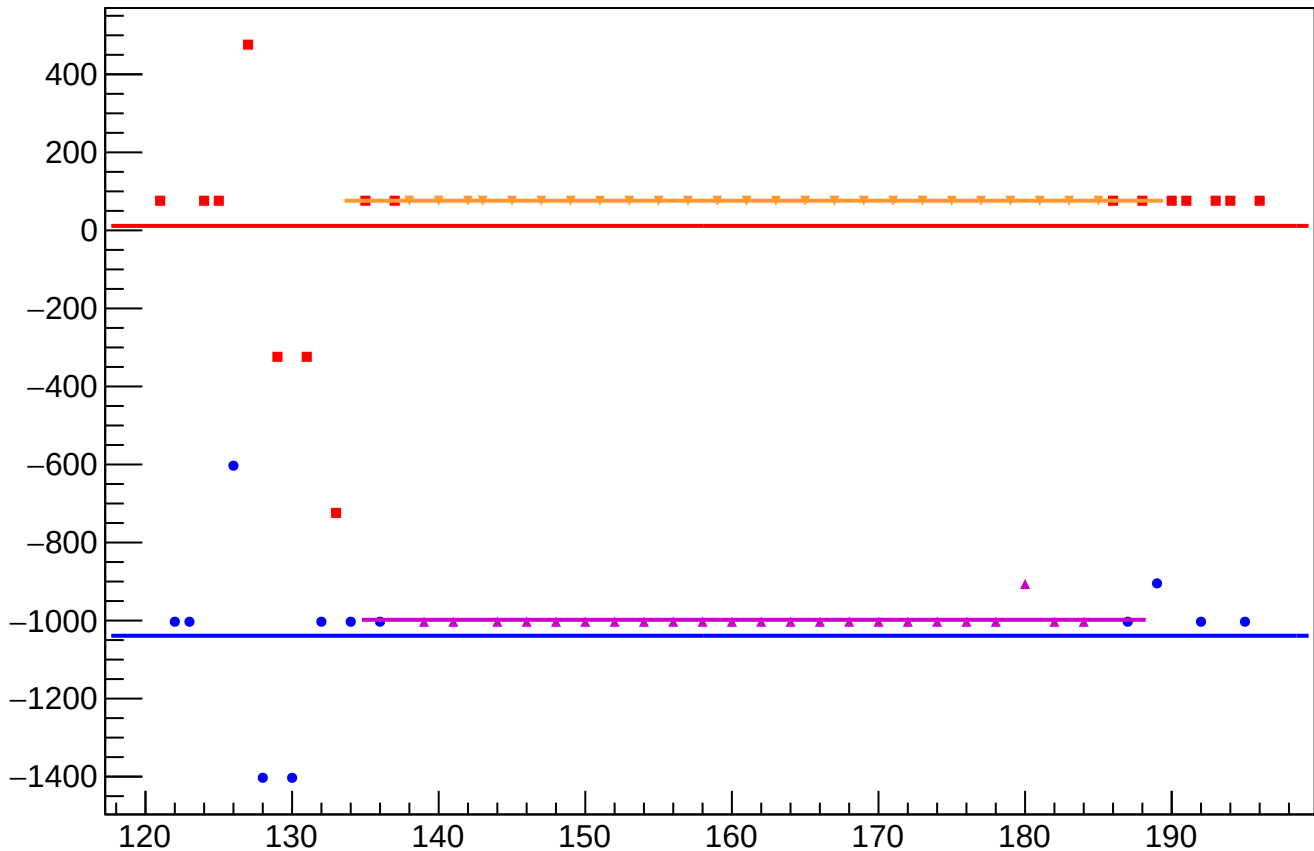
Right In: 16.864+/-0.000 χ^2/NDF : 129437735525535194682278010683392.0/11
 Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24 + sign 16.211+/-0.000 χ^2/NDF : 4549380271805519
 Right Out: 16.009+/-0.000 χ^2/NDF : 179418.5/15 All: 16.463+/-0.000 χ^2/NDF : 1294284846011
 Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22 - sign 16.709+/-0.000 χ^2/NDF : 5298681209054021

RTPAPOSUCNT_mean vs Slug



Right In: 874.354+/-0.000 χ^2/NDF : 6736742070619831753989073320118583296.0/11
 Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24
 Right Out: 1150.237+/-0.000 χ^2/NDF : 13747136785110119753497484238958624768.0/15
 Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1038.923 ± 0.000 χ^2/NDF : 22938713455365142237506792866906636288.0/11
 Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: 11.545 ± 0.000 χ^2/NDF : 43893810996326334140380669917253337088.0/15
 Left In: -998.020 ± 0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22