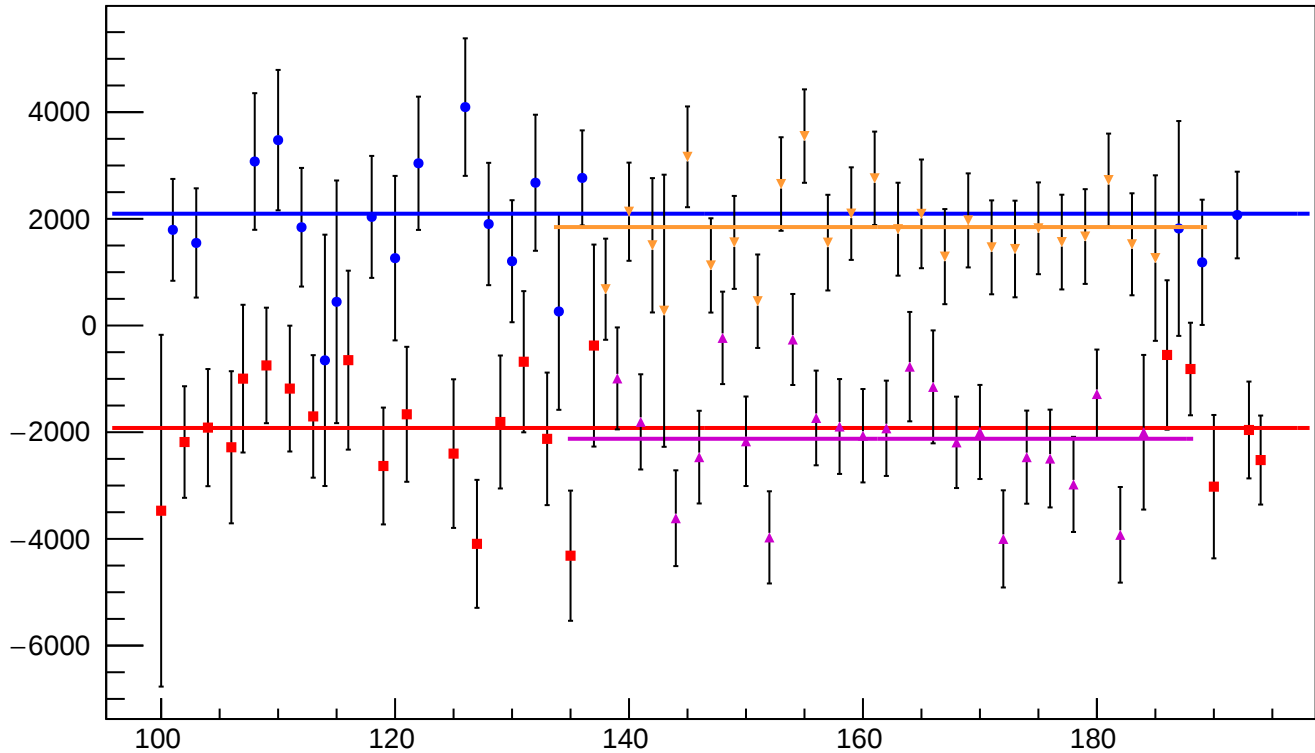


reg_asym_us_avg_mean vs Slug



Right In: 2096.211+/-277.038

χ^2/NDF : 10.3/18

Left Out: 1845.799+/-186.902

χ^2/NDF : 15.5/24

Right Out: -1920.594+/-249.556

χ^2/NDF : 16.0/22

Left In: -2123.138+/-188.684

χ^2/NDF : 32.0/22

+ sign 1924.124+/-154.939

χ^2/NDF : 26.4/43

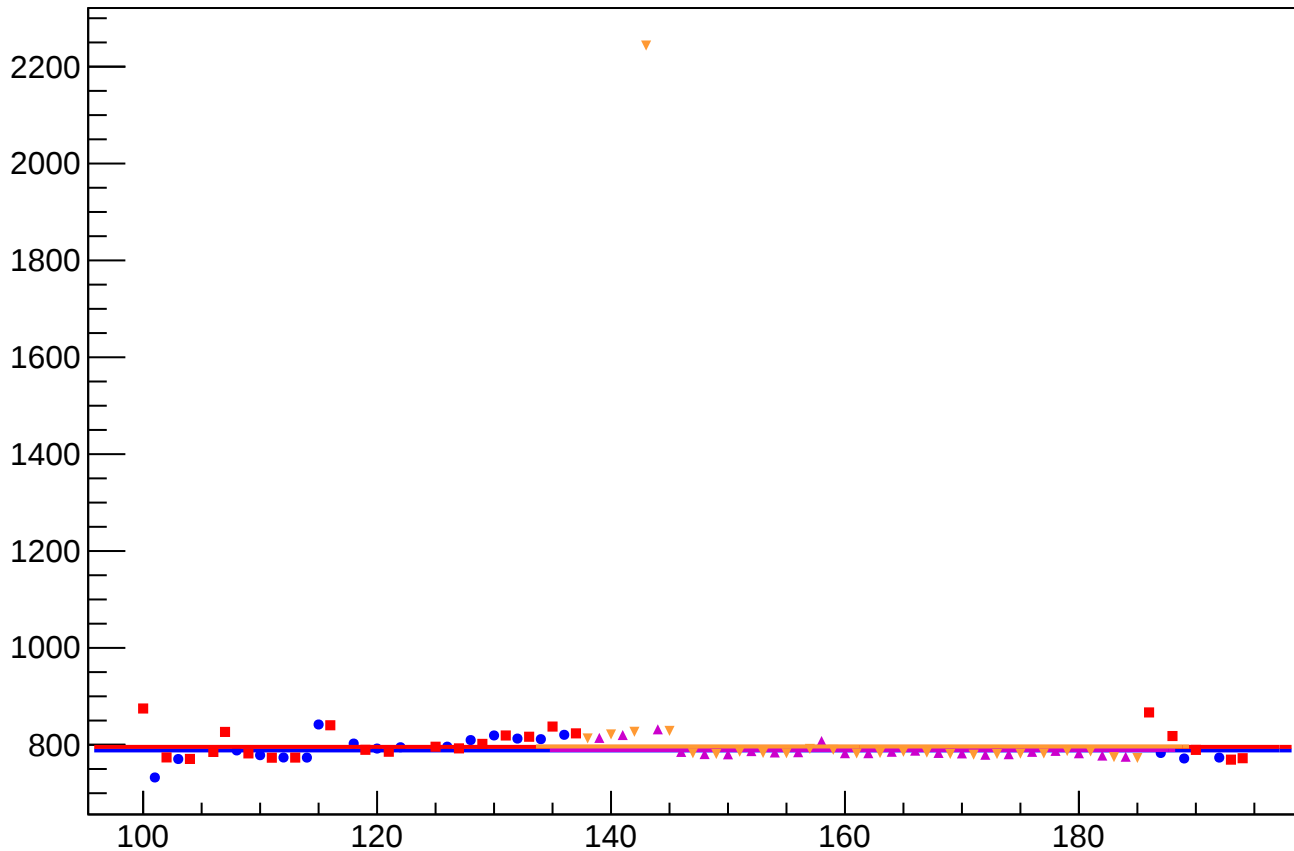
All: -120.315+/-107.957

χ^2/NDF : 413.2/89

- sign -2049.467+/-150.507

χ^2/NDF : 48.5/45

reg_asym_us_avg_rms vs Slug



Right In: 788.332 $\pm$ 0.196 χ^2 /NDF: 16440.0/18

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

Right Out: 795.651 $\pm$ 0.176 χ^2 /NDF: 21363.6/22

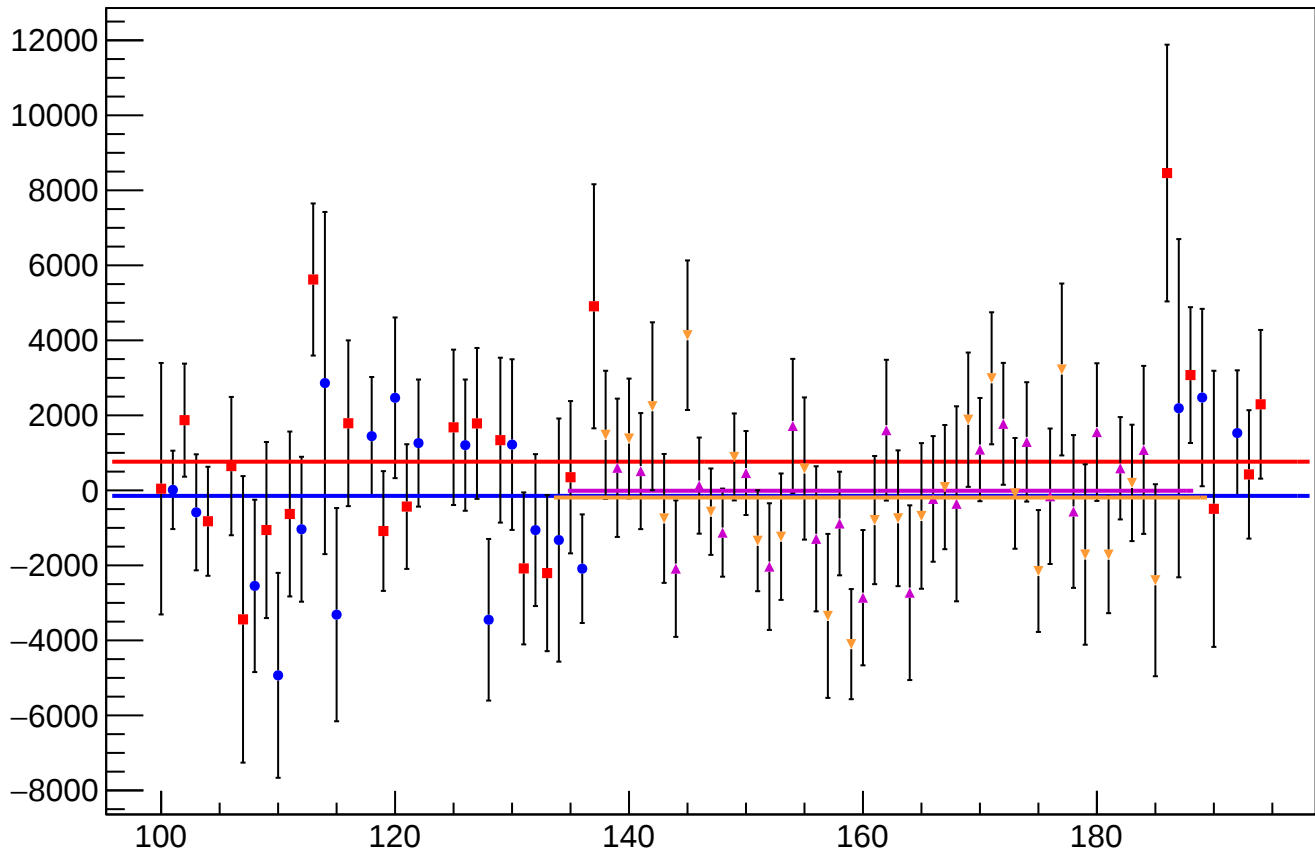
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF: 11343.2/22

+ sign 793.904 $\pm$ 0.110 χ^2 /NDF: 676326.3/43

All: 792.686 $\pm$ 0.076 χ^2 /NDF: 710128.0/89

- sign 791.537 $\pm$ 0.106 χ^2 /NDF: 33561.4/45

asym_us_avg_correction_mean vs Slug



Right In: -146.931 ± 438.469 χ^2/NDF : 17.3/18

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

Right Out: 764.752 ± 425.875 χ^2/NDF : 25.4/22

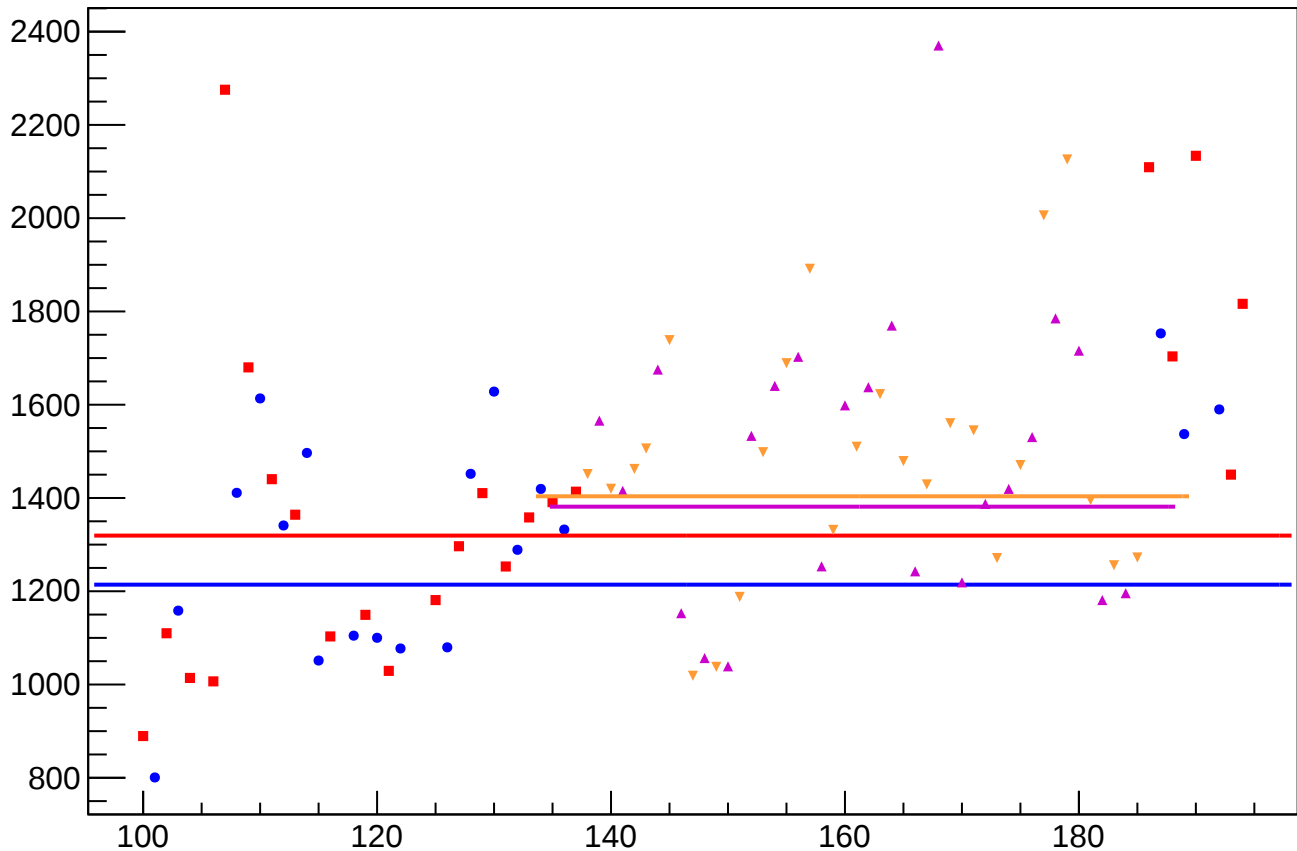
Left In: -10.093 ± 337.810 χ^2/NDF : 14.2/22

+ sign -174.842 ± 265.647 χ^2/NDF : 47.4/43

All: 58.019 ± 187.490 χ^2/NDF : 90.6/89

- sign 289.150 ± 264.659 χ^2/NDF : 41.7/45

asym_us_avg_correction_rms vs Slug



Right In: 1214.144+/-0.310 χ^2/NDF : 717329.4/18

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

Right Out: 1319.340+/-0.301 χ^2/NDF : 950823.2/22

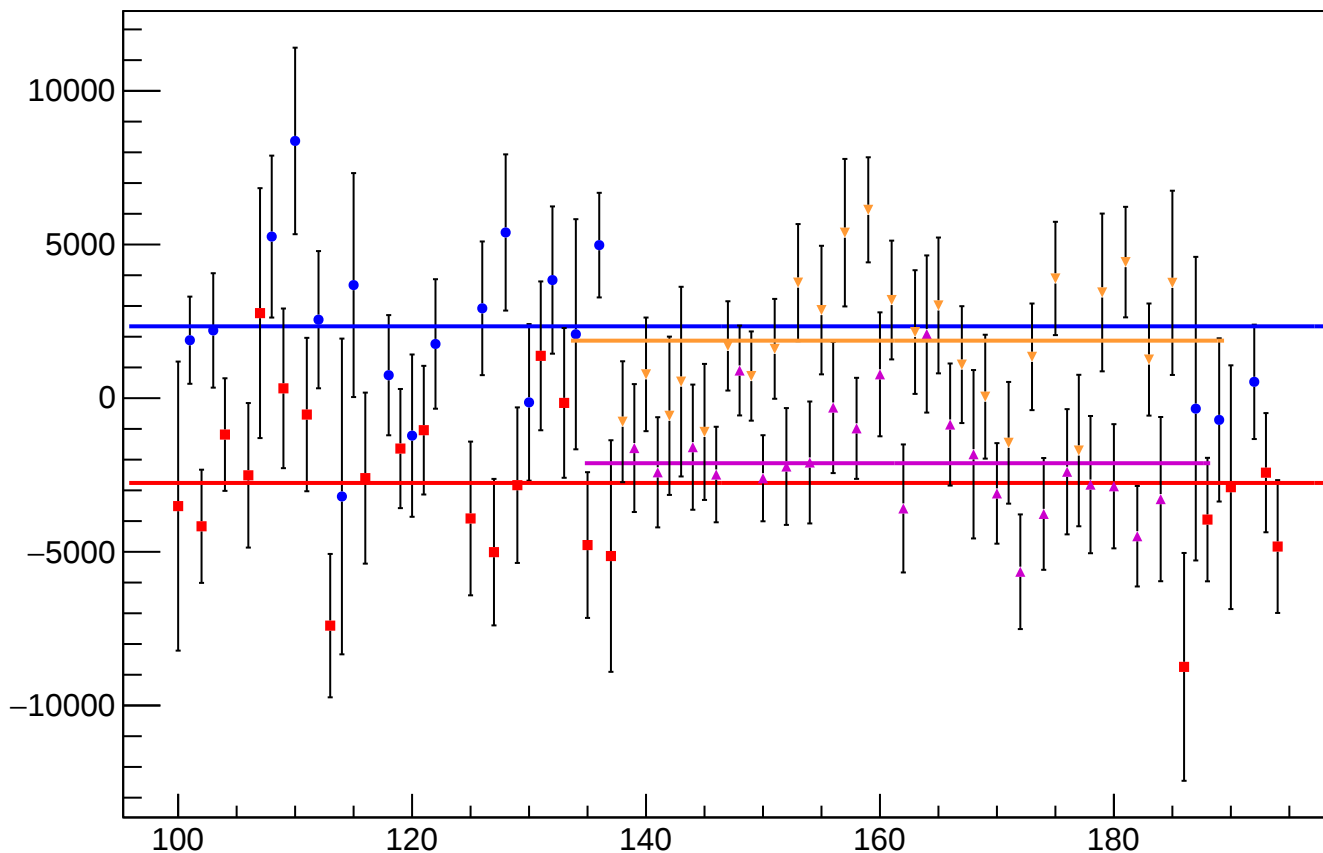
Left In: 1381.359+/-0.239 χ^2/NDF :1276488.2/22

+ sign 1334.065+/-0.188 χ^2/NDF : 2080217.3/43

All: 1345.780+/-0.133 χ^2/NDF : 4341312.0/89

- sign 1357.407+/-0.187 χ^2/NDF : 2253345.2/45

asym_us_avg_mean vs Slug



Right In: 2338.078 $\pm$ 529.660 χ^2 /NDF: 17.0/18

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

Right Out: -2758.710 $\pm$ 503.891 χ^2 /NDF: 20.6/22

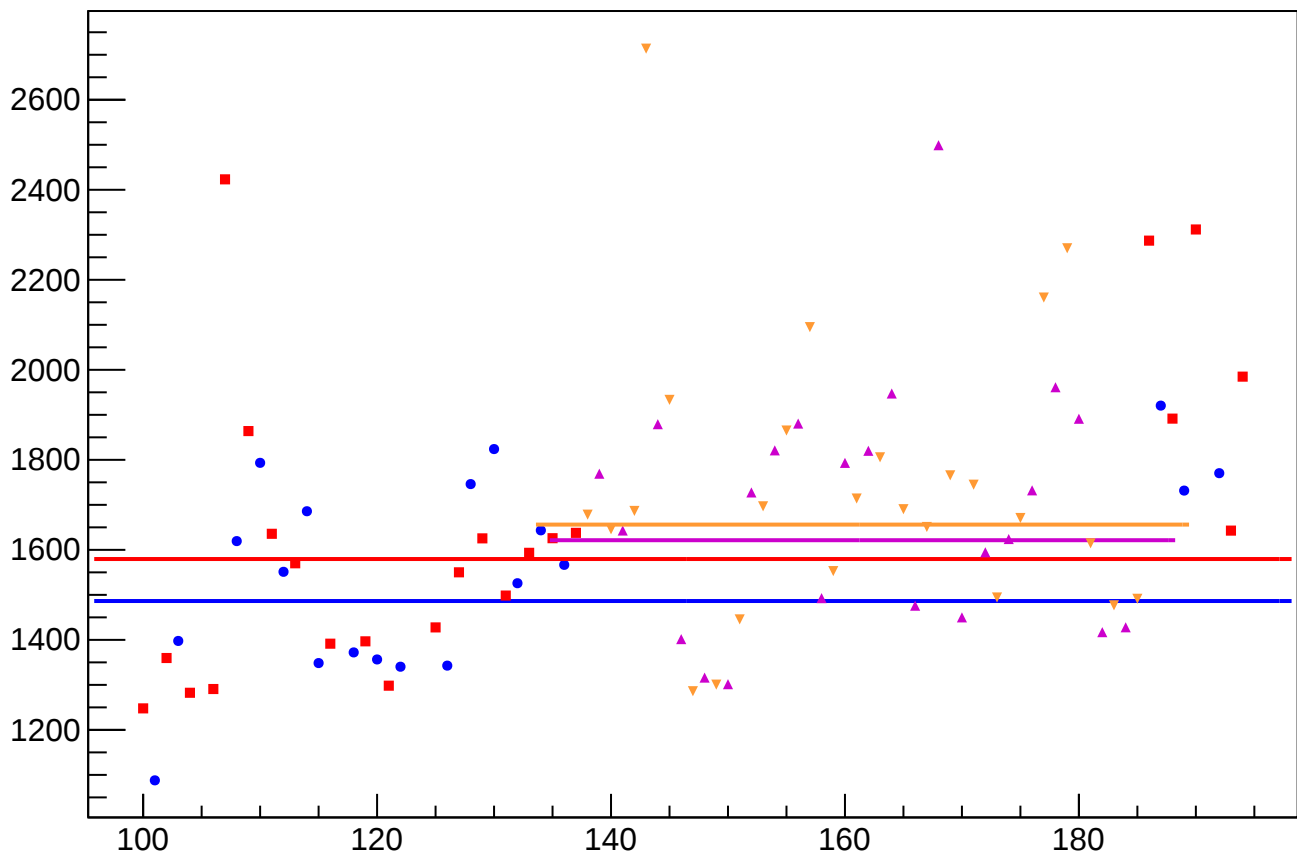
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 2036.538 $\pm$ 314.927 χ^2 /NDF: 43.6/43

All: -196.741 $\pm$ 220.885 χ^2 /NDF: 182.9/89

- sign -2359.156 $\pm$ 309.890 χ^2 /NDF: 40.4/45

asym_us_avg_rms vs Slug



Right In: 1486.319 $\pm$ 0.375 χ^2 /NDF: 369110.4/18

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

Right Out: 1579.619 $\pm$ 0.356 χ^2 /NDF: 568949.2/22

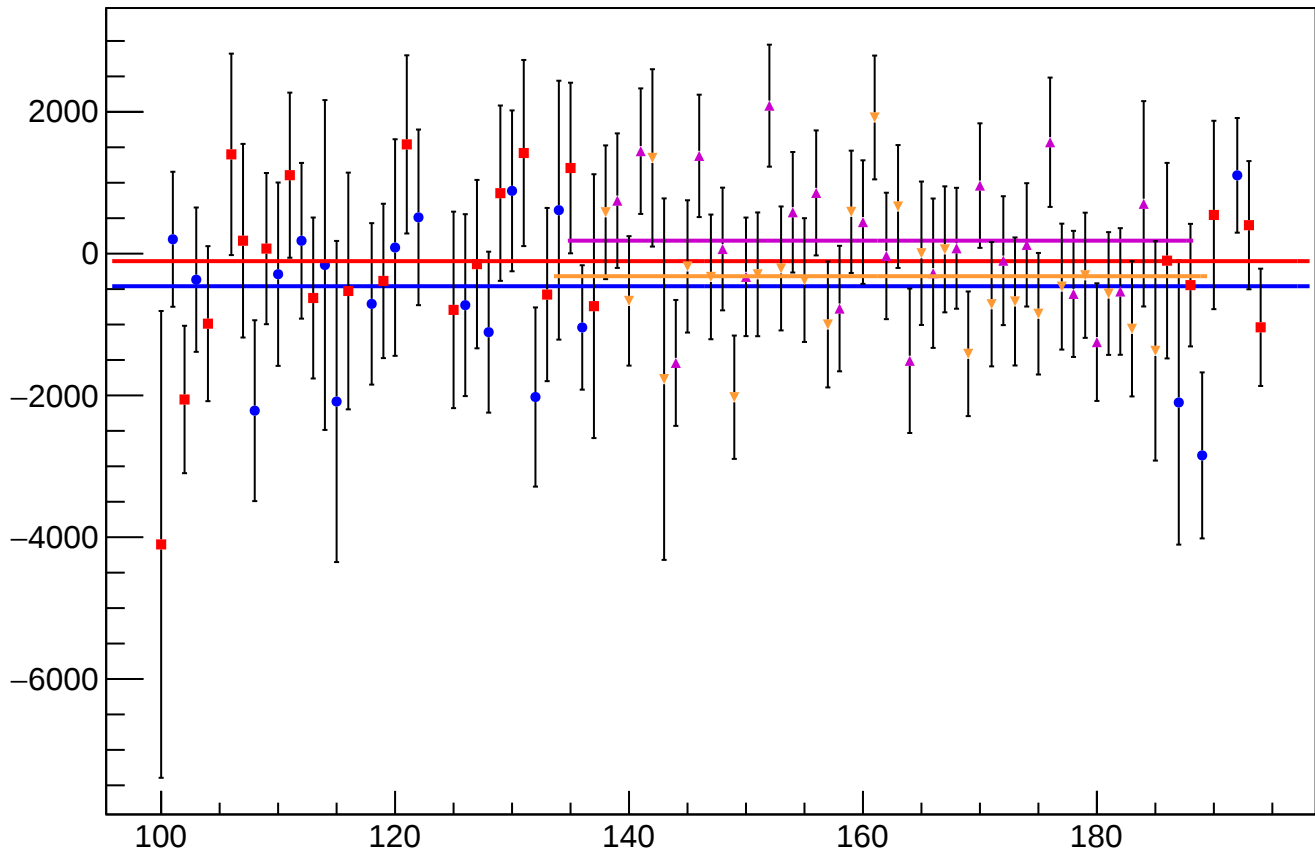
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1596.090 $\pm$ 0.223 χ^2 /NDF: 1412564.7/43

All: 1600.926 $\pm$ 0.156 χ^2 /NDF: 2766308.8/89

- sign 1605.608 $\pm$ 0.219 χ^2 /NDF: 1352815.9/45

reg_asym_us_dd_mean vs Slug



Right In: -459.699 ± 274.895 χ^2/NDF : 16.7/18

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

Right Out: -105.853 ± 247.370 χ^2/NDF : 15.6/22

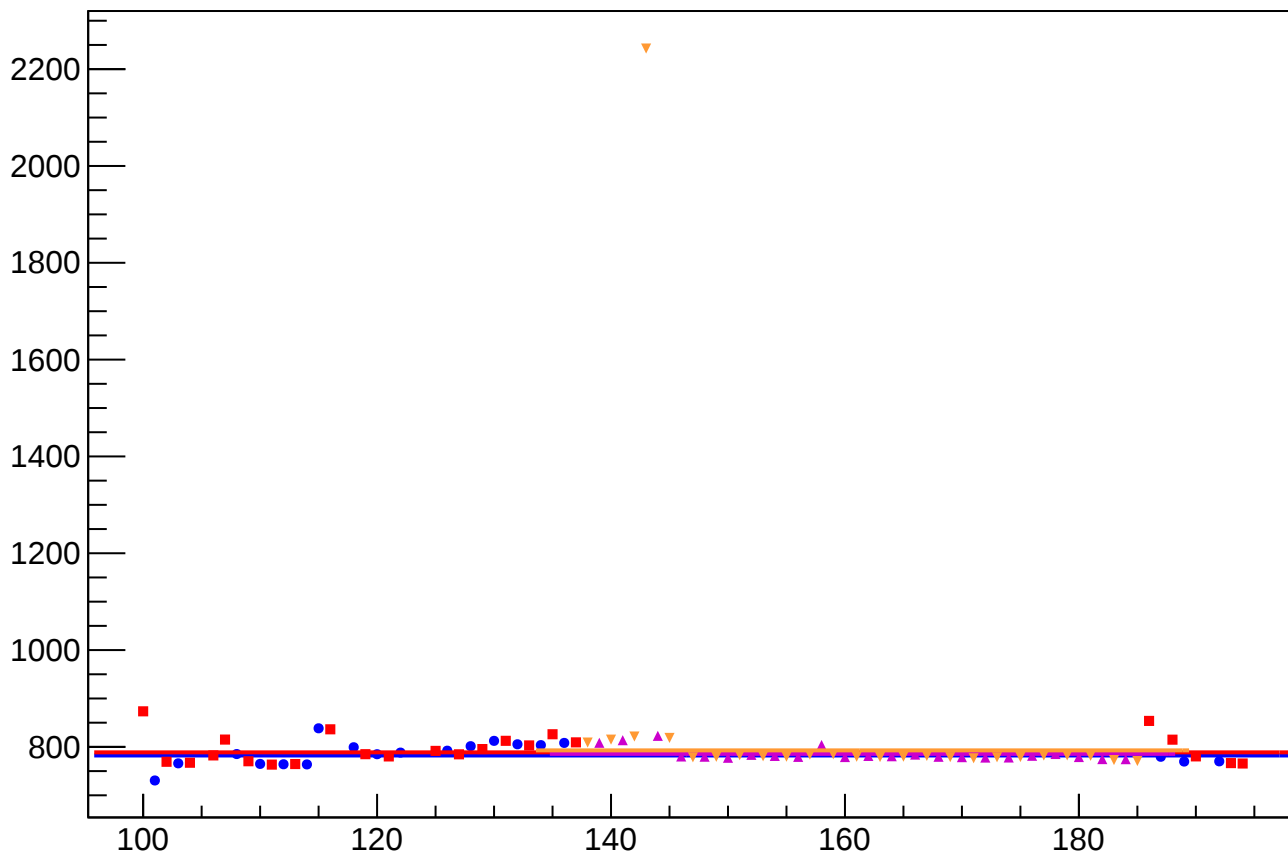
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -362.743 ± 154.073 χ^2/NDF : 37.3/43

All: -136.217 ± 107.325 χ^2/NDF : 84.1/89

- sign 77.308 ± 149.587 χ^2/NDF : 42.6/45

reg_asym_us_dd_rms vs Slug



Right In: 782.279 $\pm$ 0.194 χ^2 /NDF: 14646.2/18

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

Right Out: 788.724 $\pm$ 0.175 χ^2 /NDF: 20078.2/22

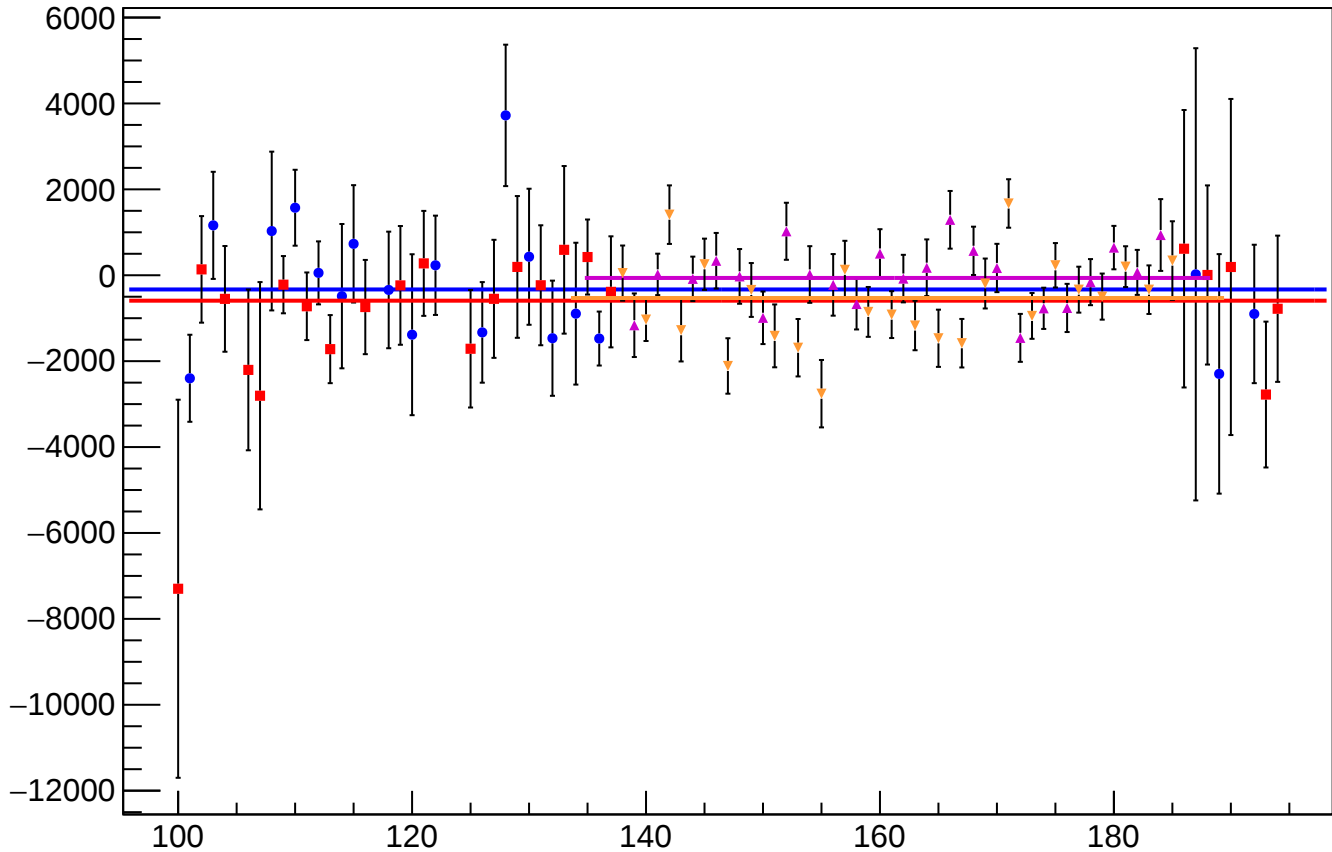
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 789.489 $\pm$ 0.109 χ^2 /NDF: 676162.8/43

All: 788.072 $\pm$ 0.076 χ^2 /NDF: 706146.5/89

- sign 786.737 $\pm$ 0.106 χ^2 /NDF: 29655.3/45

asym_us_dd_correction_mean vs Slug



Right In: -330.639 ± 277.146 χ^2/NDF : 24.0/18

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

Right Out: -591.933 ± 262.893 χ^2/NDF : 11.7/22

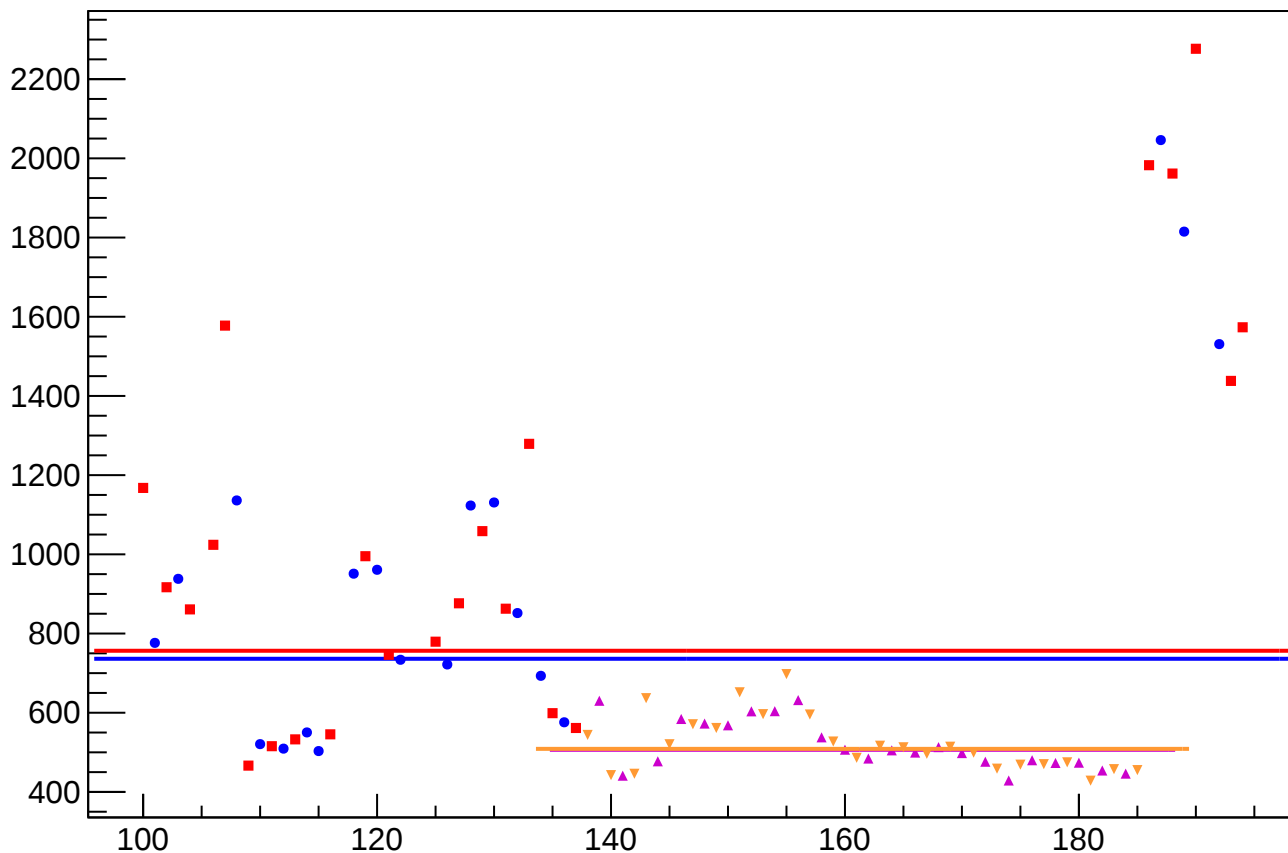
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -498.812 ± 109.767 χ^2/NDF : 86.1/43

All: -329.147 ± 77.944 χ^2/NDF : 134.7/89

- sign -156.592 ± 110.698 χ^2/NDF : 43.8/45

asym_us_dd_correction_rms vs Slug



Right In: 736.262 $\pm$ 0.196 χ^2 /NDF: 1912296.6/18

Left Out: 508.773 $\pm$ 0.085 χ^2 /NDF: 549245.1/24

Right Out: 756.501 $\pm$ 0.186 χ^2 /NDF: 3547469.7/22

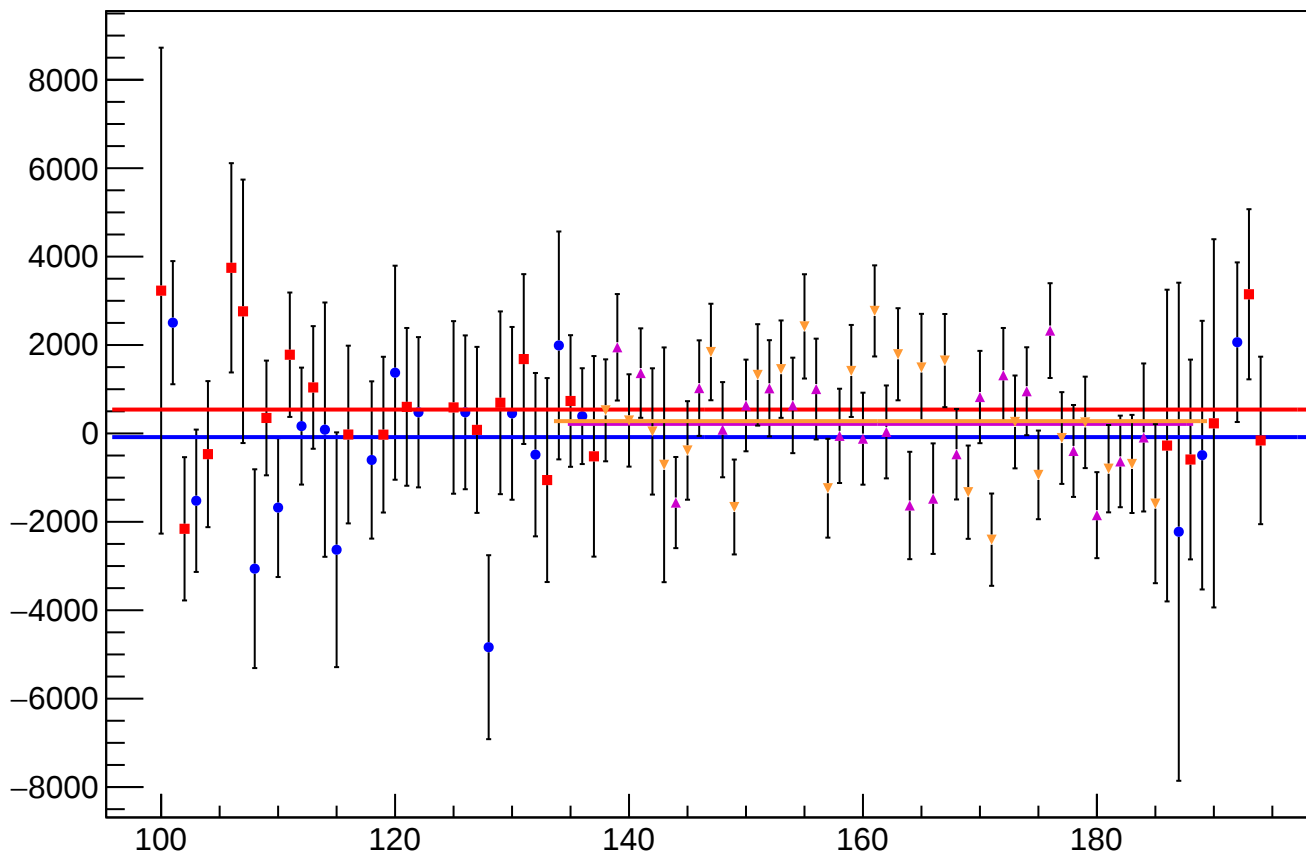
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF: 436294.4/22

+ sign 544.458 $\pm$ 0.078 χ^2 /NDF: 3597684.9/43

All: 547.567 $\pm$ 0.055 χ^2 /NDF: 9074081.9/89

- sign 550.728 $\pm$ 0.078 χ^2 /NDF: 5473161.5/45

asym_us_dd_mean vs Slug



Right In: -83.375 ± 417.582 χ^2/NDF : 16.4/18

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

Right Out: 539.863 ± 397.136 χ^2/NDF : 10.3/22

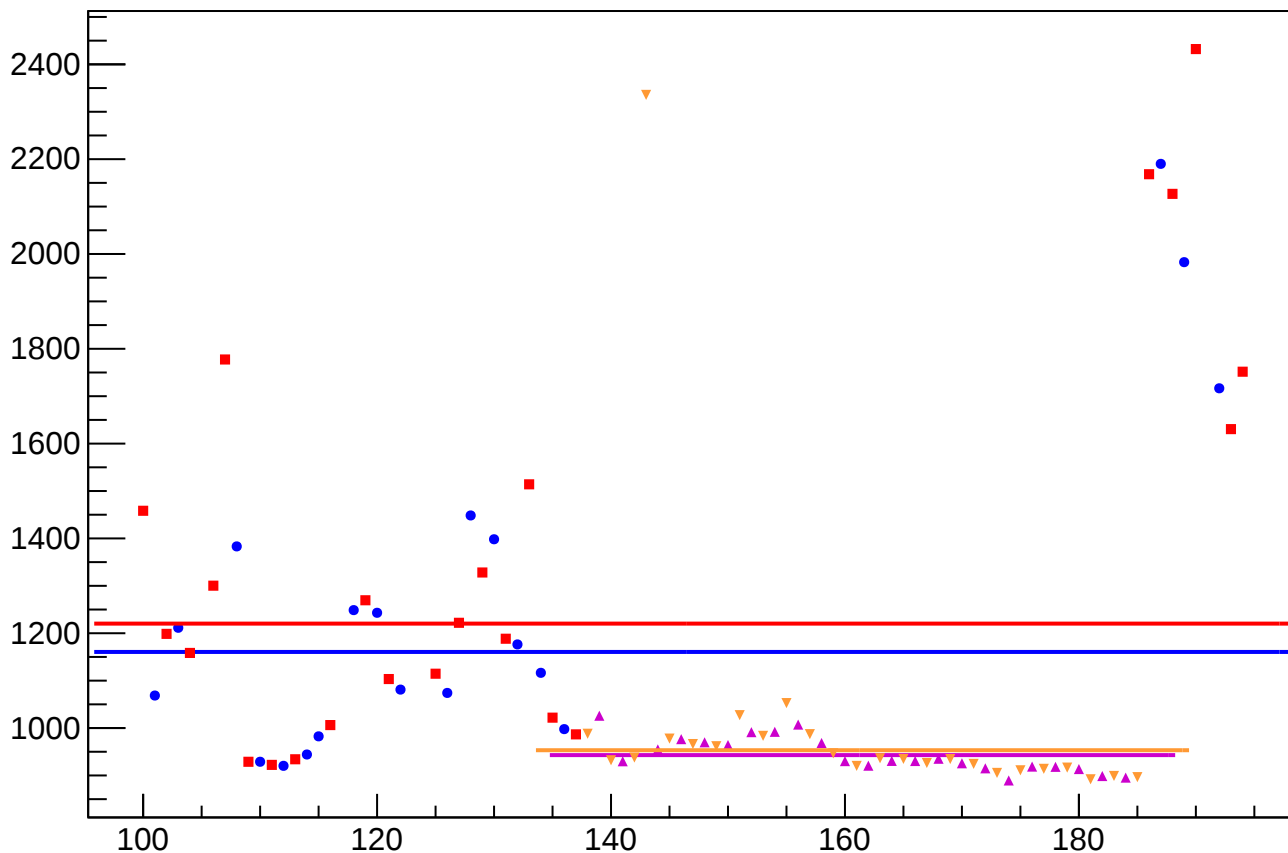
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 197.555 ± 197.106 χ^2/NDF : 55.4/43

All: 246.565 ± 139.039 χ^2/NDF : 90.7/89

- sign 295.105 ± 196.159 χ^2/NDF : 35.2/45

asym_us_dd_rms vs Slug



Right In: 1160.543+/-0.295 χ^2/NDF : 693273.7/18

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

Right Out: 1220.307+/-0.281 χ^2/NDF : 1372668.3/22

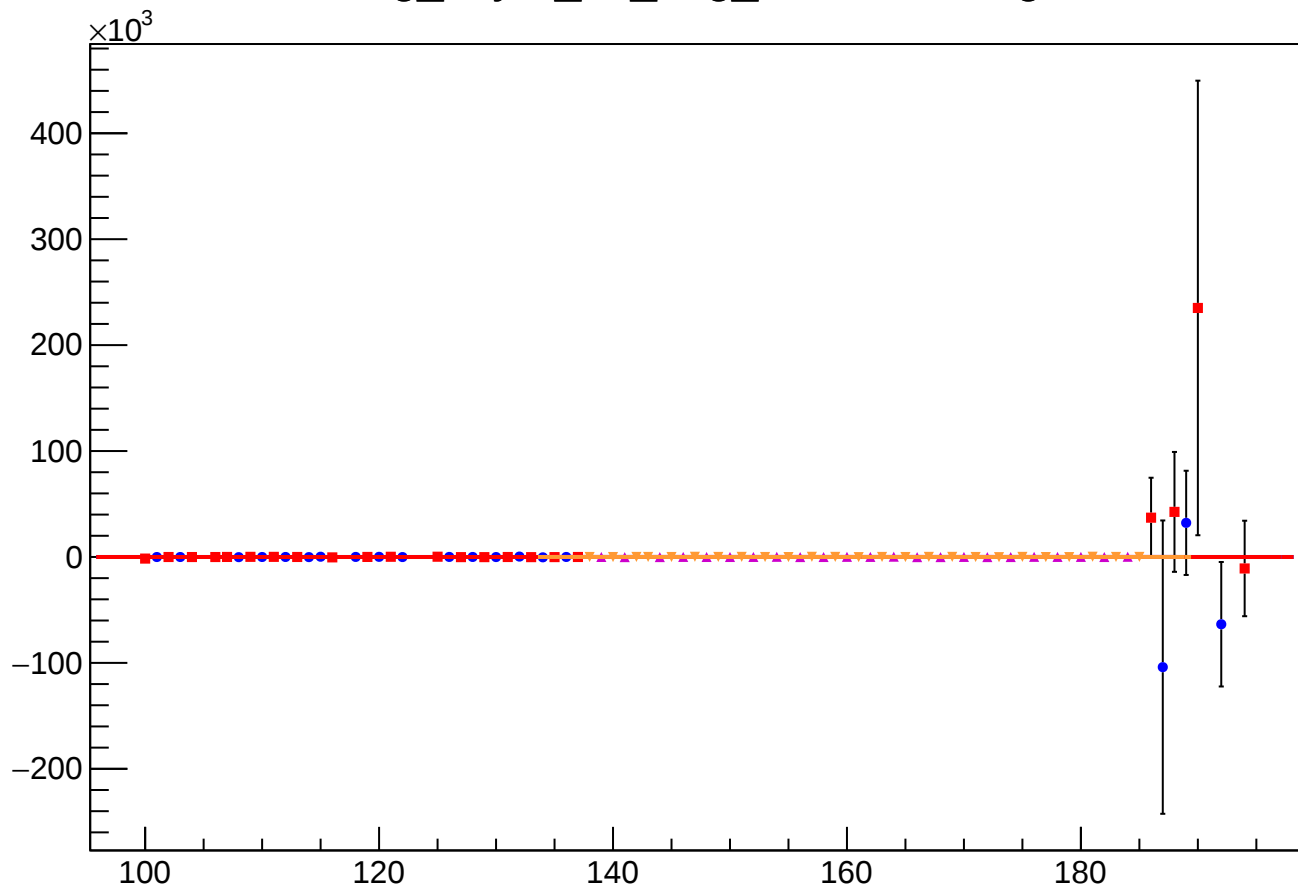
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 999.413+/-0.139 χ^2/NDF : 1682697.3/43

All: 1005.033+/-0.098 χ^2/NDF : 3844640.0/89

- sign 1010.599+/-0.139 χ^2/NDF : 2158706.0/45

reg_asym_ds_avg_mean vs Slug



Right In: -15.561 ± 30.032 χ^2/NDF : 18.1/18

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

Right Out: -31.718 ± 30.492 χ^2/NDF : 19.6/21

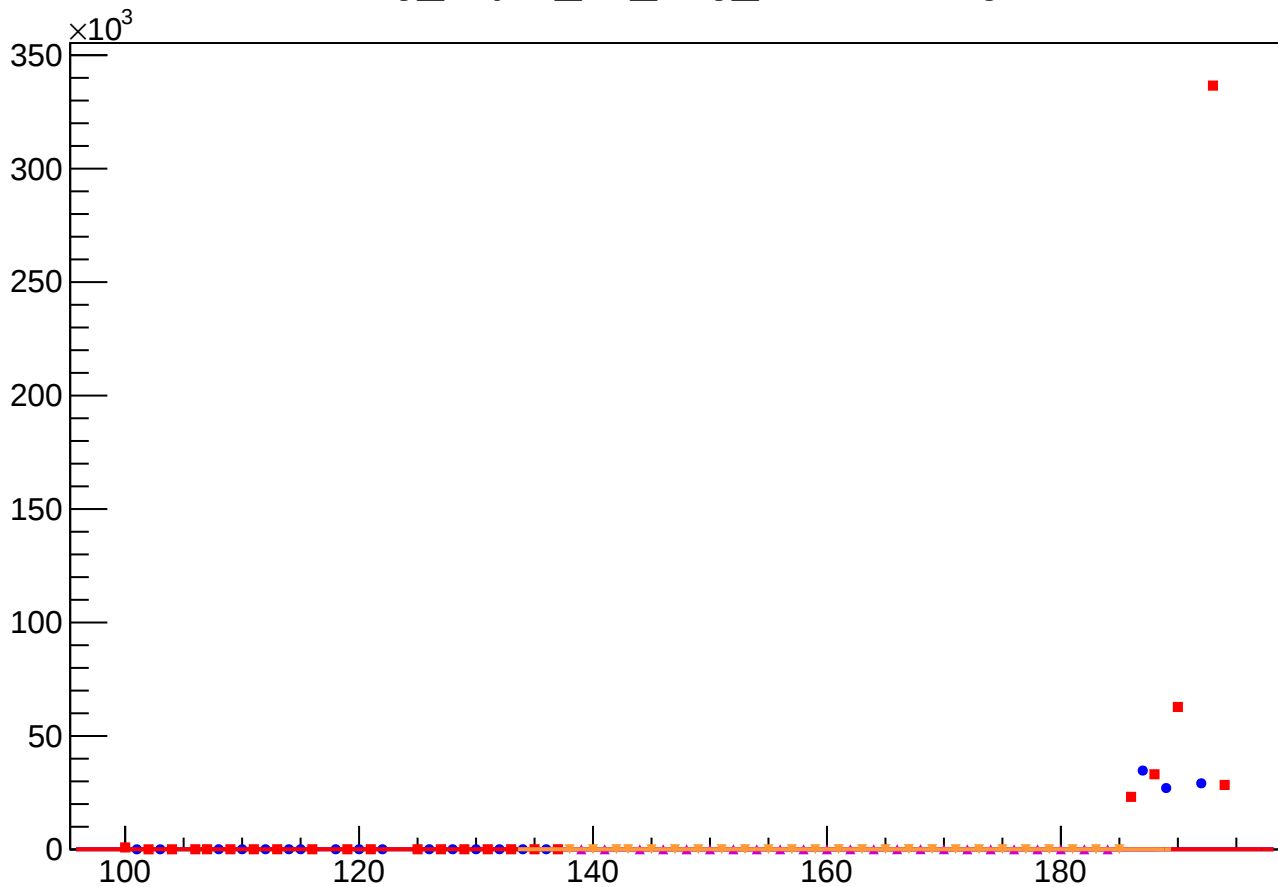
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.032 ± 17.187 χ^2/NDF : 40.9/43

All: 1.245 ± 12.302 χ^2/NDF : 85.2/88

- sign 4.688 ± 17.617 χ^2/NDF : 44.2/44

reg_asym_ds_avg_rms vs Slug



Right In: 76.073 $\pm$ 0.021 χ^2 /NDF: 1637270.8/18

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

Right Out: 79.411 $\pm$ 0.022 χ^2 /NDF: 2858540.2/22

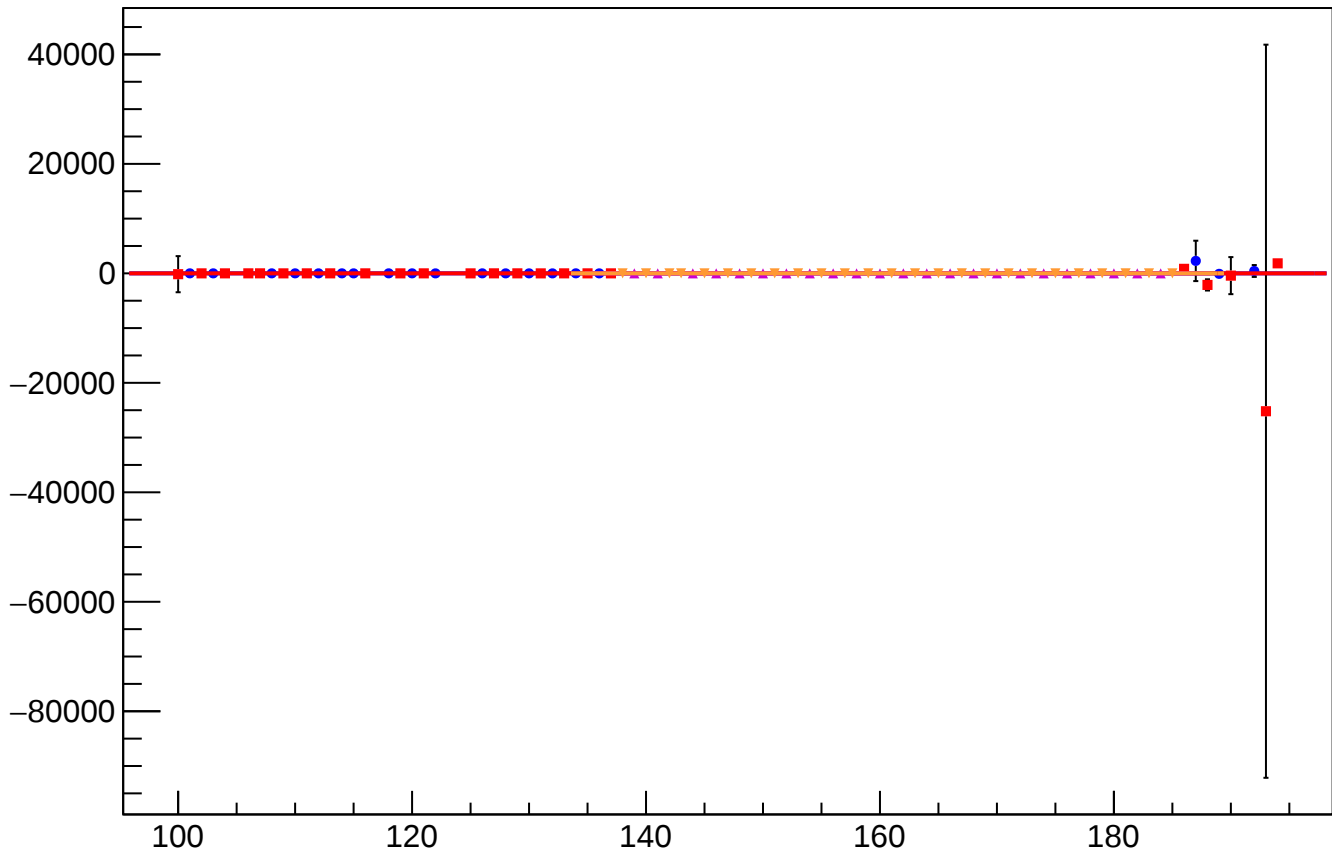
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.091 $\pm$ 0.012 χ^2 /NDF: 2375775.3/43

All: 85.630 $\pm$ 0.009 χ^2 /NDF: 5895513.3/89

- sign 86.196 $\pm$ 0.012 χ^2 /NDF: 3515709.4/45

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 21.5/18

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

Right Out: -0.038 ± 0.525 χ^2/NDF : 19.7/22

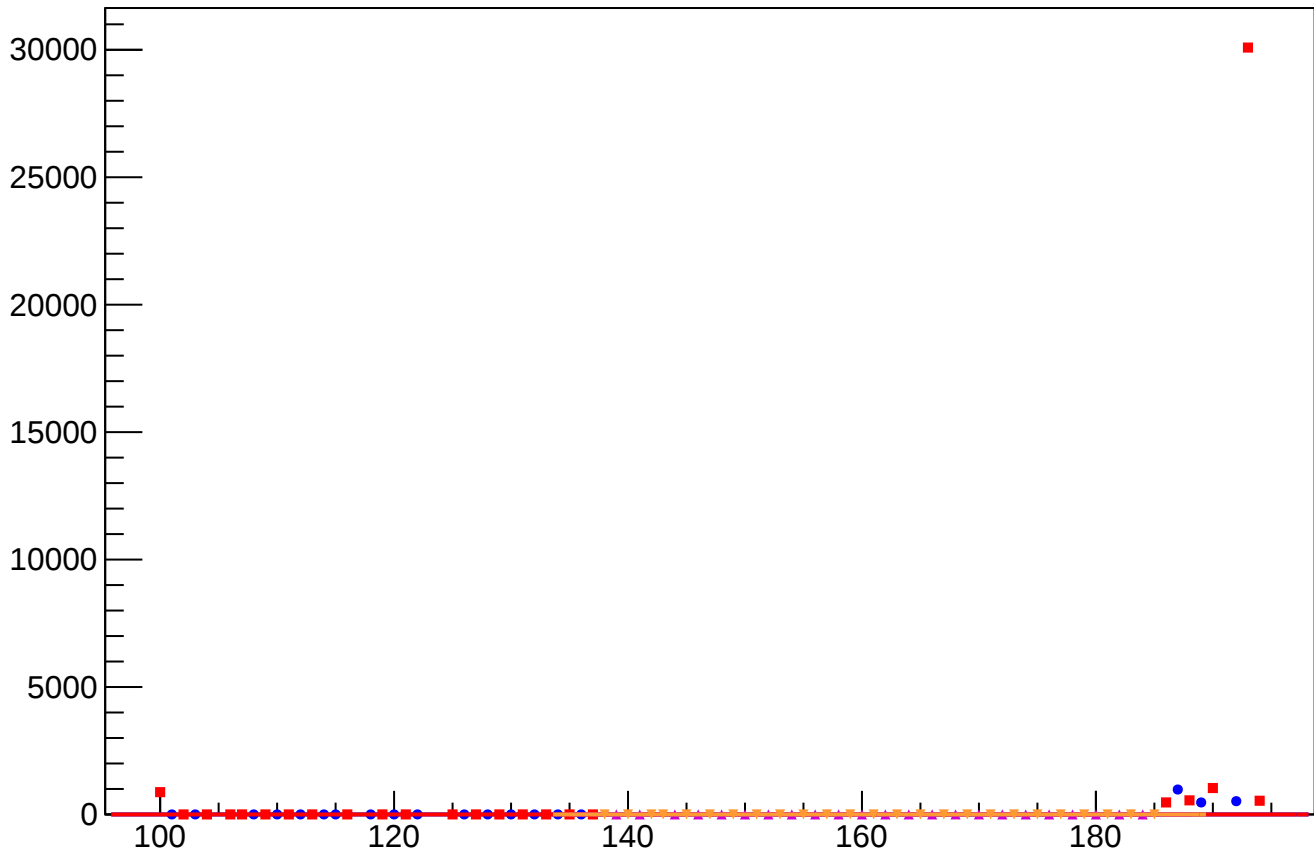
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.014 ± 0.296 χ^2/NDF : 43.3/43

All: 0.146 ± 0.215 χ^2/NDF : 90.6/89

- sign 0.323 ± 0.312 χ^2/NDF : 46.7/45

asym_ds_avg_correction_rms vs Slug



Right In: 1.152 $\pm$ 0.000 χ^2 /NDF: 1628216.4/18

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

Right Out: 1.260 $\pm$ 0.000 χ^2 /NDF: 3097581.4/22

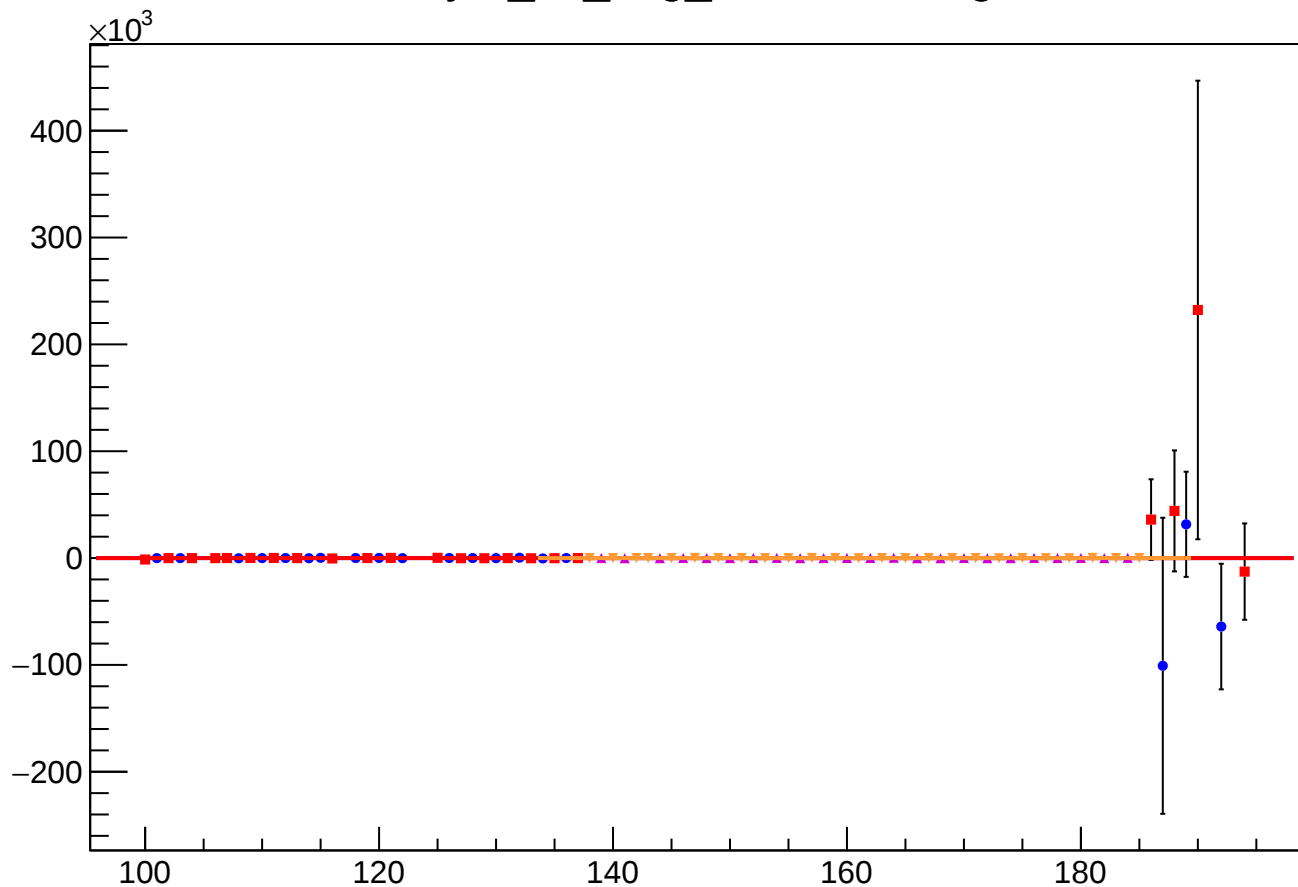
Left In: 1.453 $\pm$ 0.000 χ^2 /NDF: 995852.2/22

+ sign 1.316 $\pm$ 0.000 χ^2 /NDF: 2948813.9/43

All: 1.349 $\pm$ 0.000 χ^2 /NDF: 7269570.8/89

- sign 1.385 $\pm$ 0.000 χ^2 /NDF: 4269632.0/45

asym_ds_avg_mean vs Slug



Right In: -14.497 ± 30.040 χ^2/NDF : 18.4/18

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

Right Out: -31.998 ± 30.500 χ^2/NDF : 19.6/21

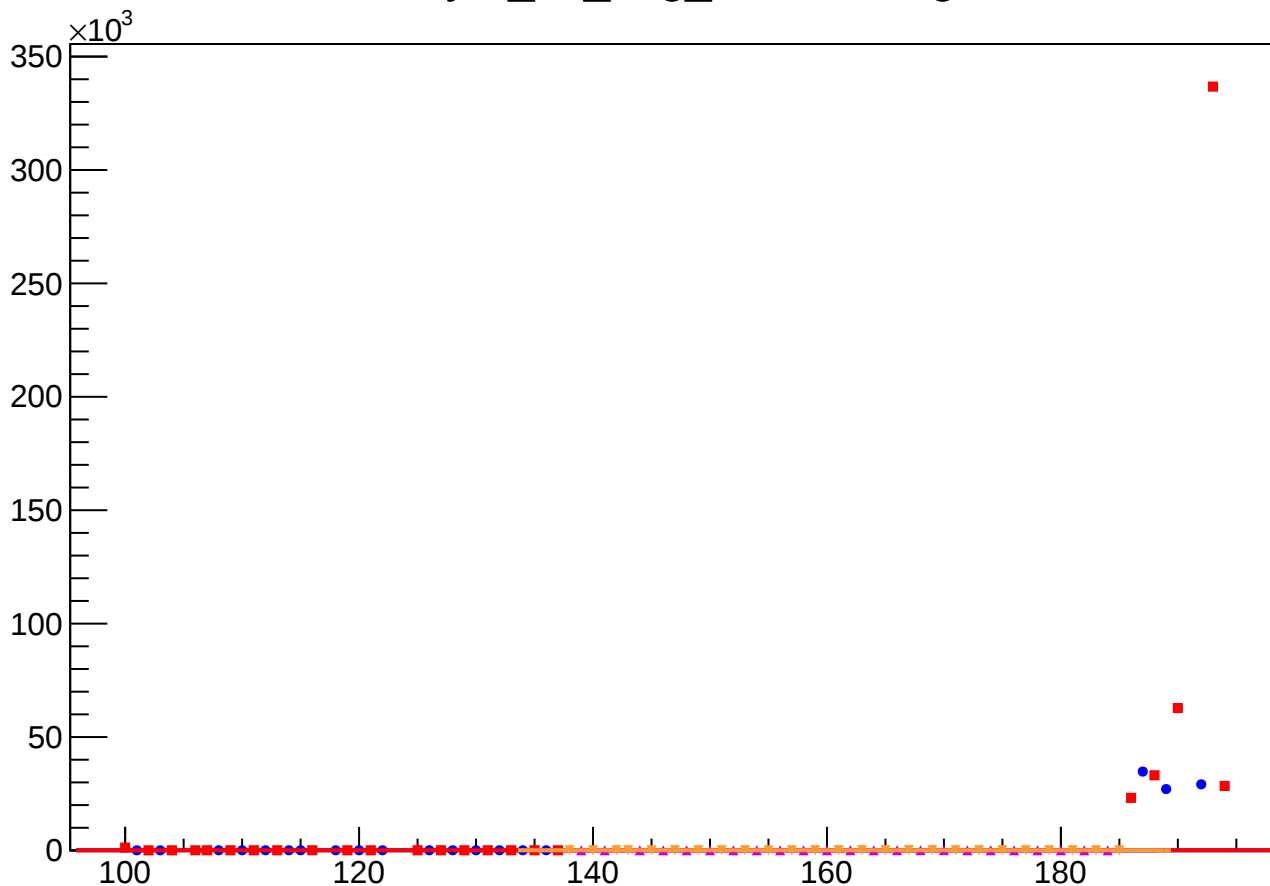
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -1.778 ± 17.192 χ^2/NDF : 40.8/43

All: 1.172 ± 12.306 χ^2/NDF : 84.8/88

- sign 4.271 ± 17.623 χ^2/NDF : 44.0/44

asym_ds_avg_rms vs Slug



Right In: 76.093 $\pm$ 0.021 χ^2/NDF : 1637293.8/18

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

Right Out: 79.414 $\pm$ 0.022 χ^2/NDF : 2865116.3/22

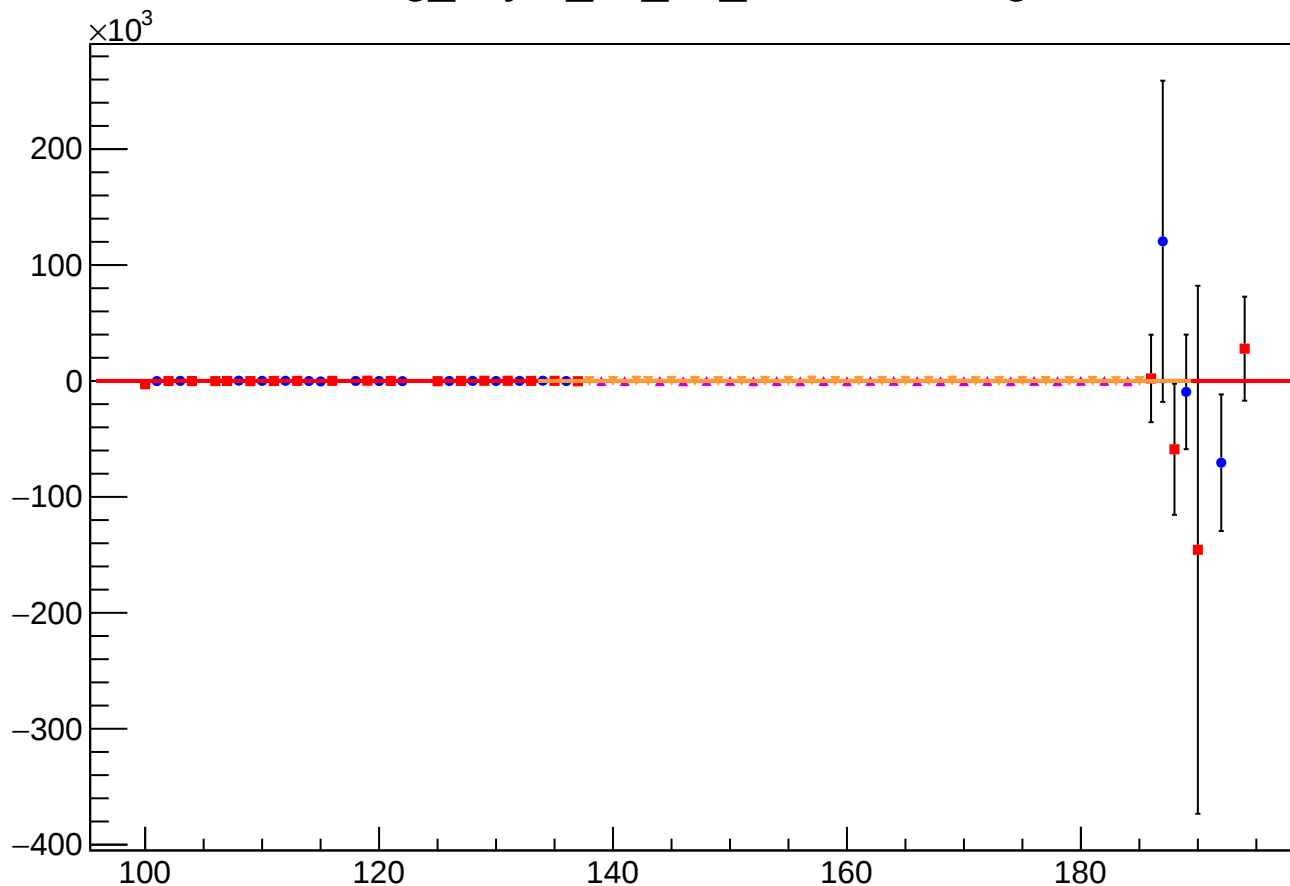
Left In: 89.622 $\pm$ 0.015 χ^2/NDF : 509391.8/22

+ sign 85.115 $\pm$ 0.012 χ^2/NDF : 2376668.1/43

All: 85.651 $\pm$ 0.009 χ^2/NDF : 5904415.2/89

- sign 86.214 $\pm$ 0.012 χ^2/NDF : 3523759.3/45

reg_asym_ds_dd_mean vs Slug



Right In: 8.097 ± 30.012 χ^2/NDF : 16.2/18

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

Right Out: 25.769 ± 30.473 χ^2/NDF : 14.7/21

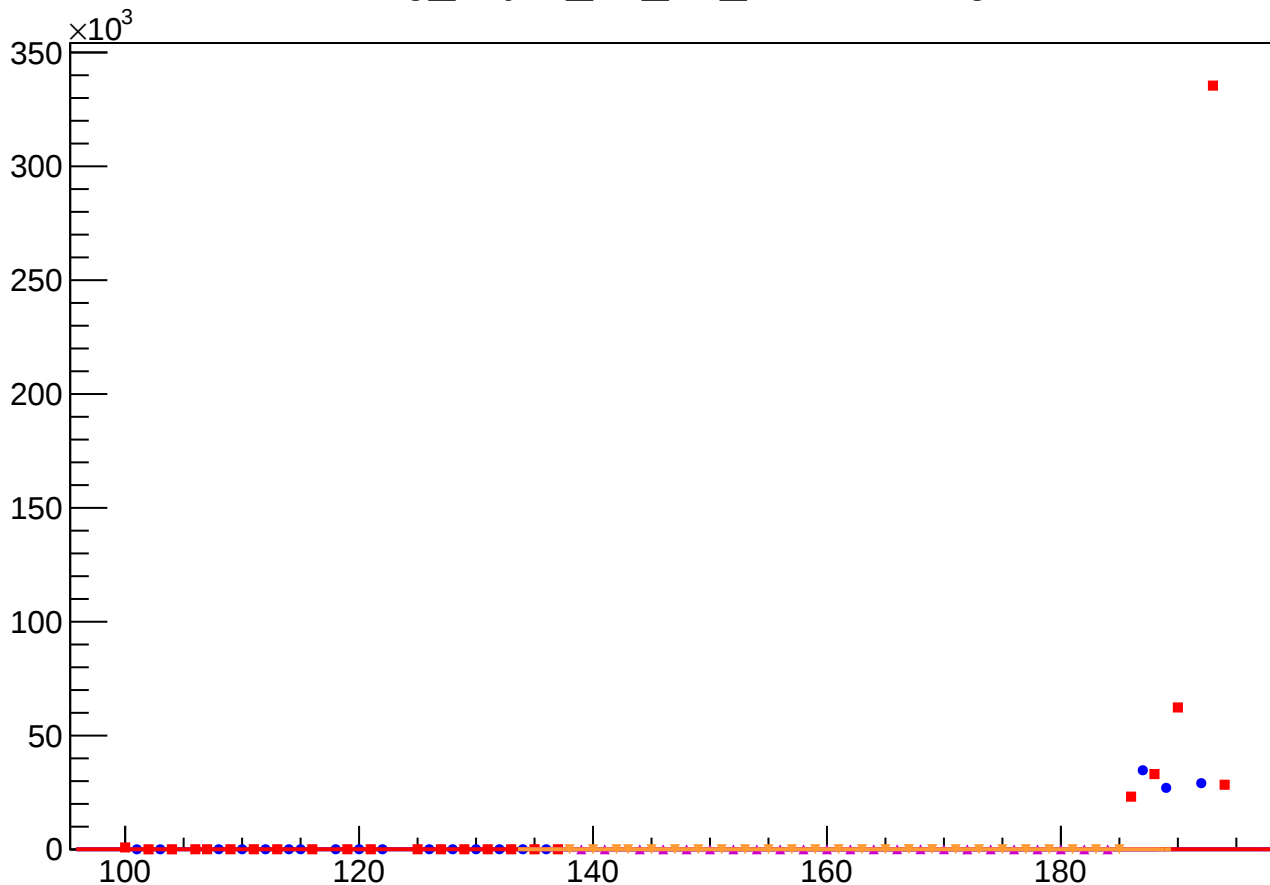
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 9.294 ± 17.187 χ^2/NDF : 34.8/43

All: -5.133 ± 12.303 χ^2/NDF : 85.8/88

- sign -20.294 ± 17.618 χ^2/NDF : 49.5/44

reg_asym_ds_dd_rms vs Slug



Right In: 76.023 $\pm$ 0.021 χ^2 /NDF: 1636645.4/18

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

Right Out: 79.362 $\pm$ 0.022 χ^2 /NDF: 2857980.2/22

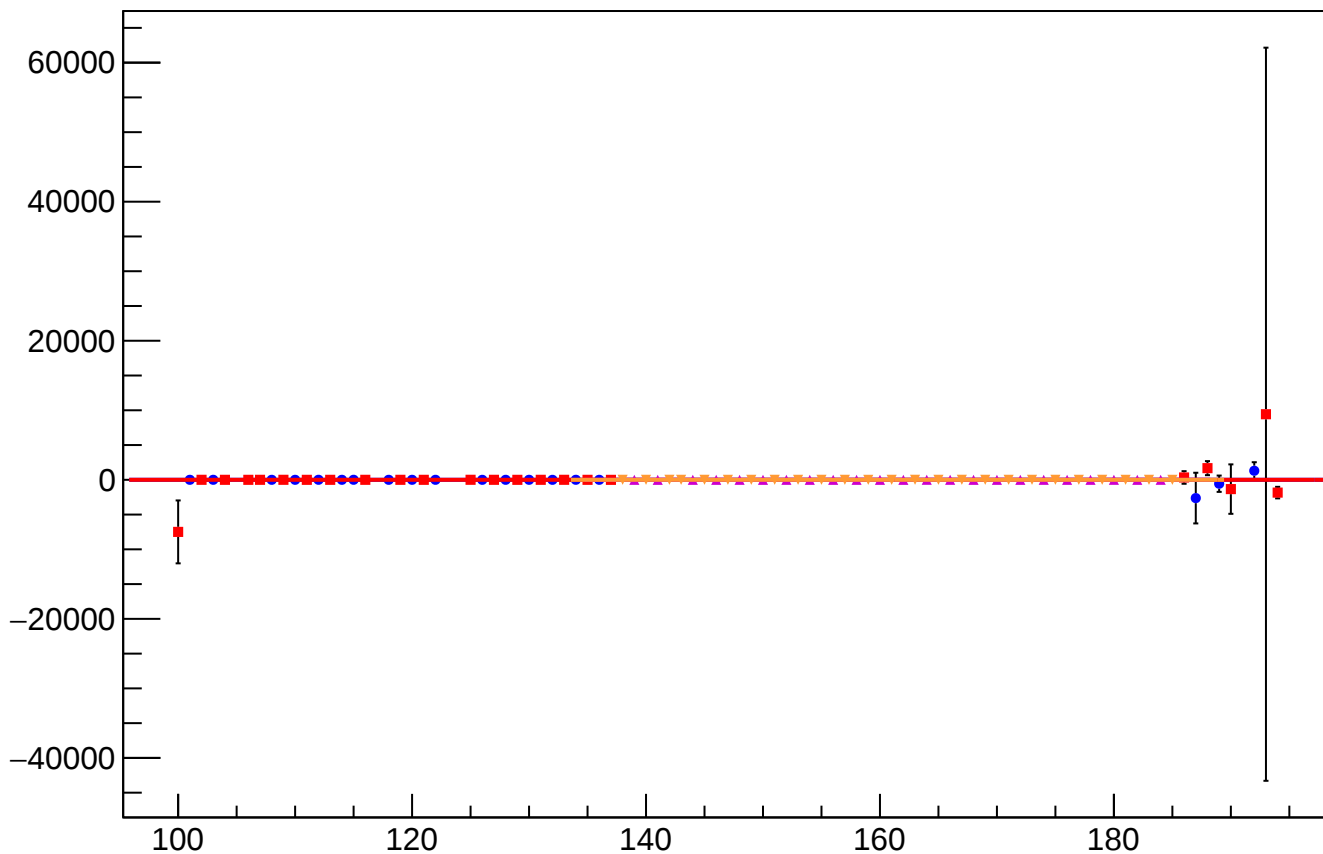
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.085 $\pm$ 0.012 χ^2 /NDF: 2376944.6/43

All: 85.627 $\pm$ 0.009 χ^2 /NDF: 5901145.7/89

- sign 86.196 $\pm$ 0.012 χ^2 /NDF: 3520128.9/45

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 13.8/18

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

Right Out: -0.348 ± 0.549 χ^2/NDF : 21.4/22

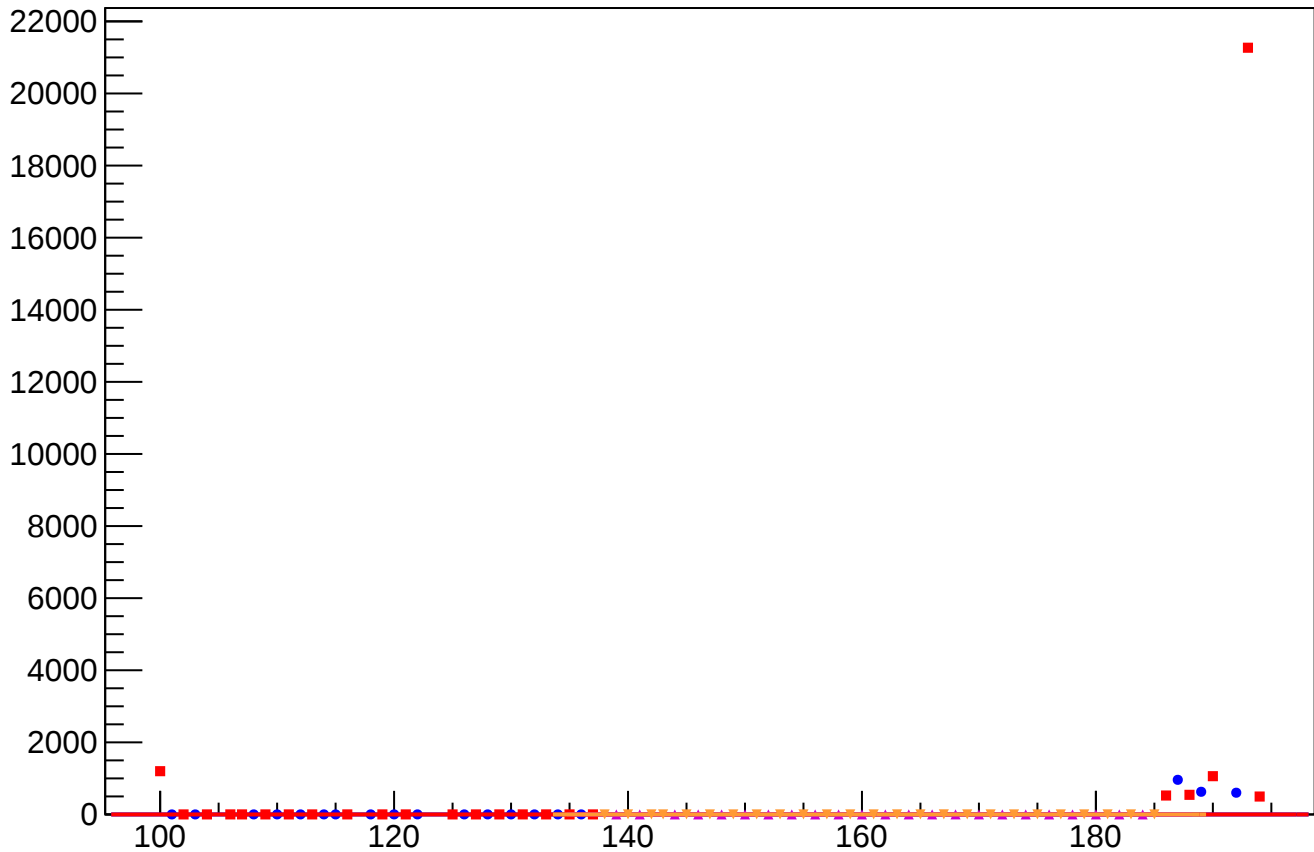
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.036 ± 0.310 χ^2/NDF : 39.2/43

All: -0.052 ± 0.222 χ^2/NDF : 81.3/89

- sign -0.069 ± 0.318 χ^2/NDF : 42.2/45

asym_ds_dd_correction_rms vs Slug



Right In: 1.233+/-0.000 χ^2/NDF : 1816268.5/18

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

Right Out: 1.316+/-0.000 χ^2/NDF : 2996220.5/22

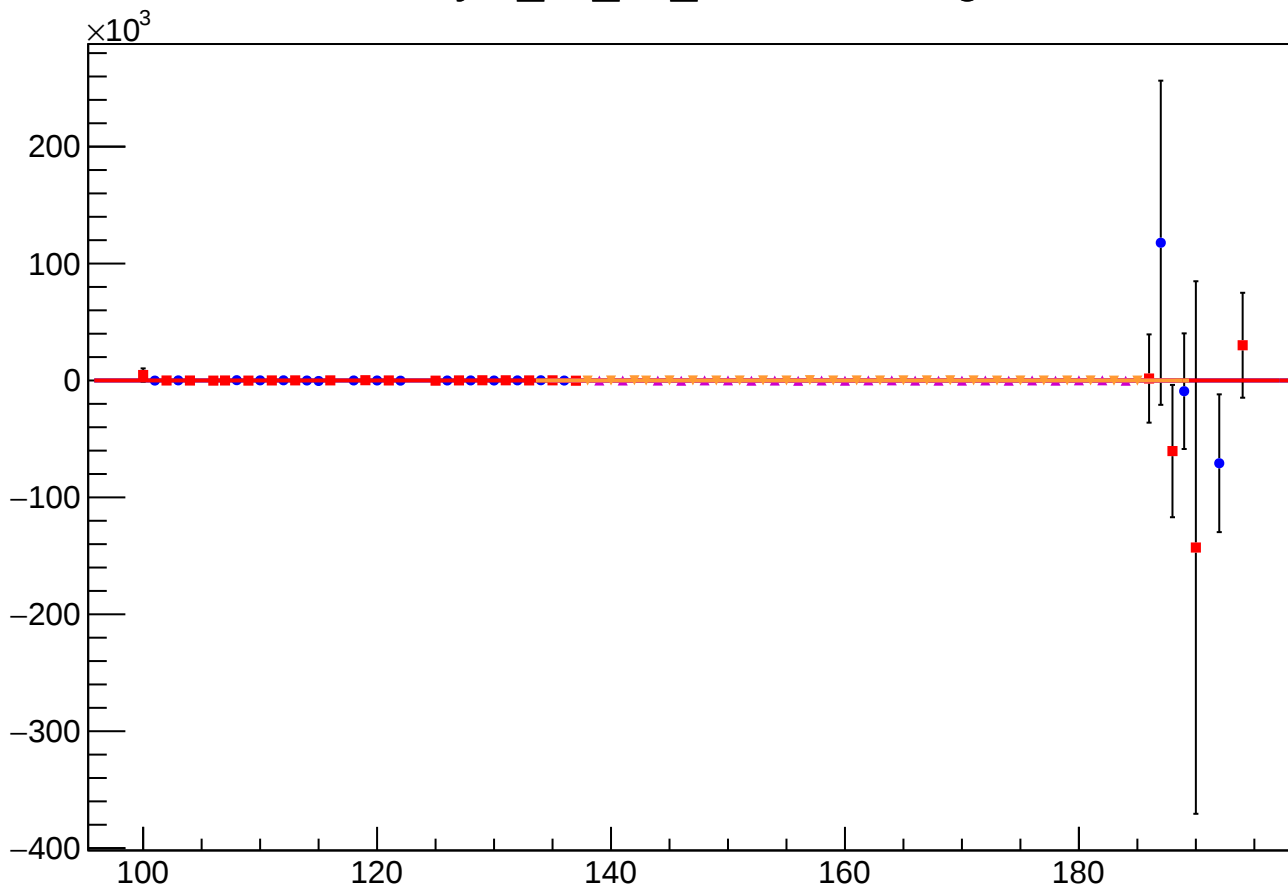
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.391+/-0.000 χ^2/NDF : 3238963.7/43

All: 1.401+/-0.000 χ^2/NDF : 7381330.2/89

- sign 1.412+/-0.000 χ^2/NDF : 4137691.0/45

asym_ds_dd_mean vs Slug



Right In: 7.390 ± 30.020 χ^2/NDF : 16.1/18

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

Right Out: 26.379 ± 30.482 χ^2/NDF : 15.0/21

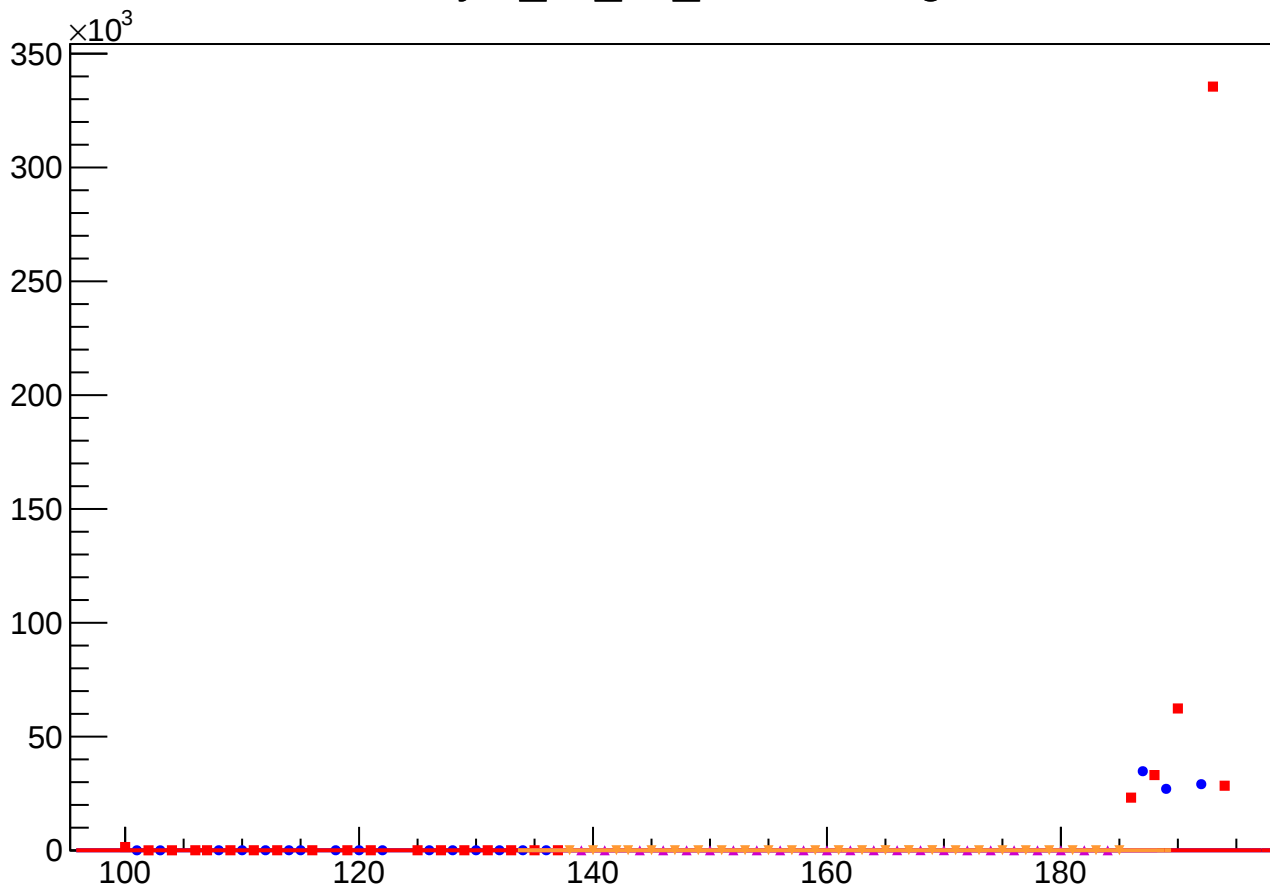
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 9.428 ± 17.192 χ^2/NDF : 34.5/43

All: -5.121 ± 12.306 χ^2/NDF : 85.6/88

- sign -20.410 ± 17.624 χ^2/NDF : 49.6/44

asym_ds_dd_rms vs Slug



Right In: 76.044 $\pm$ 0.021 χ^2 /NDF: 1636696.9/18

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

Right Out: 79.359 $\pm$ 0.022 χ^2 /NDF: 2867264.7/22

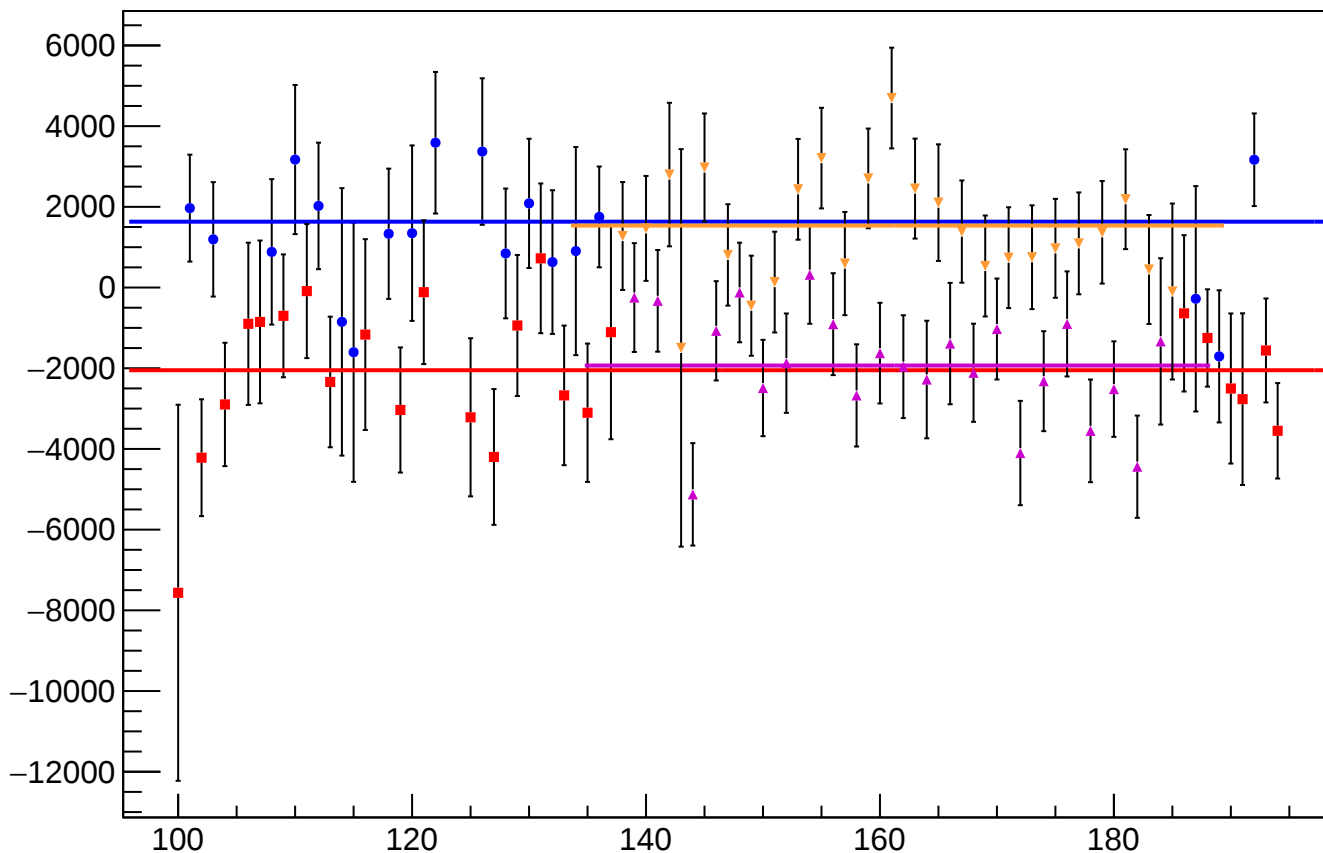
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.110 $\pm$ 0.012 χ^2 /NDF: 2377868.8/43

All: 85.648 $\pm$ 0.009 χ^2 /NDF: 5912896.3/89

- sign 86.213 $\pm$ 0.012 χ^2 /NDF: 3531017.3/45

reg_asym_usl_mean vs Slug



Right In: 1632.220 ± 388.407 $\chi^2/\text{NDF}: 12.0/18$

Left Out: 1535.246 ± 265.882 $\chi^2/\text{NDF}: 20.4/24$

Right Out: -2049.501 ± 345.878 $\chi^2/\text{NDF}: 16.7/23$

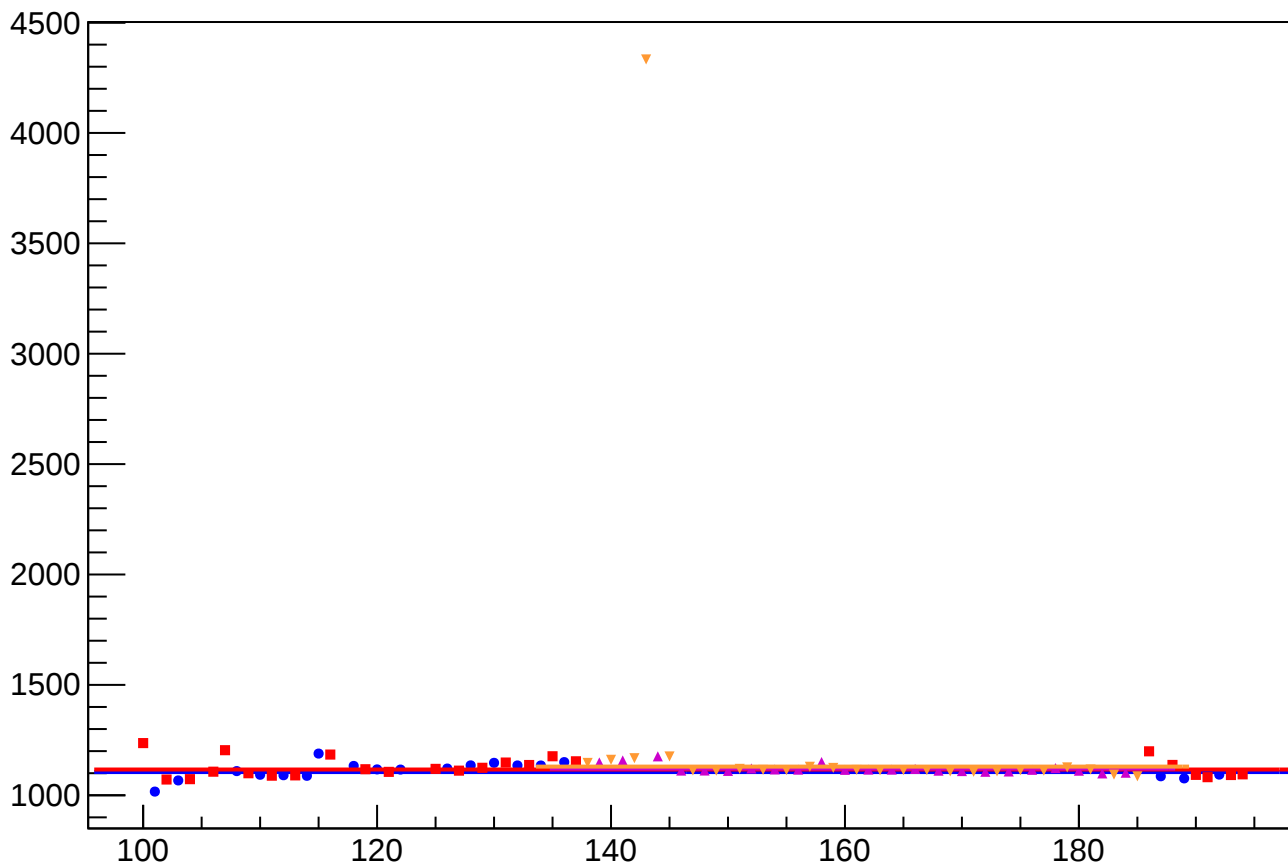
Left In: -1933.000 ± 268.006 $\chi^2/\text{NDF}: 27.0/22$

+ sign 1566.189 ± 219.400 $\chi^2/\text{NDF}: 32.4/43$

All: -267.258 ± 152.400 $\chi^2/\text{NDF}: 211.1/90$

- sign -1976.706 ± 211.851 $\chi^2/\text{NDF}: 43.8/46$

reg_asym_usl_rms vs Slug



Right In: 1105.141 $\pm$ 0.275 χ^2 /NDF: 19322.3/18

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

Right Out: 1116.702 $\pm$ 0.245 χ^2 /NDF: 22070.1/23

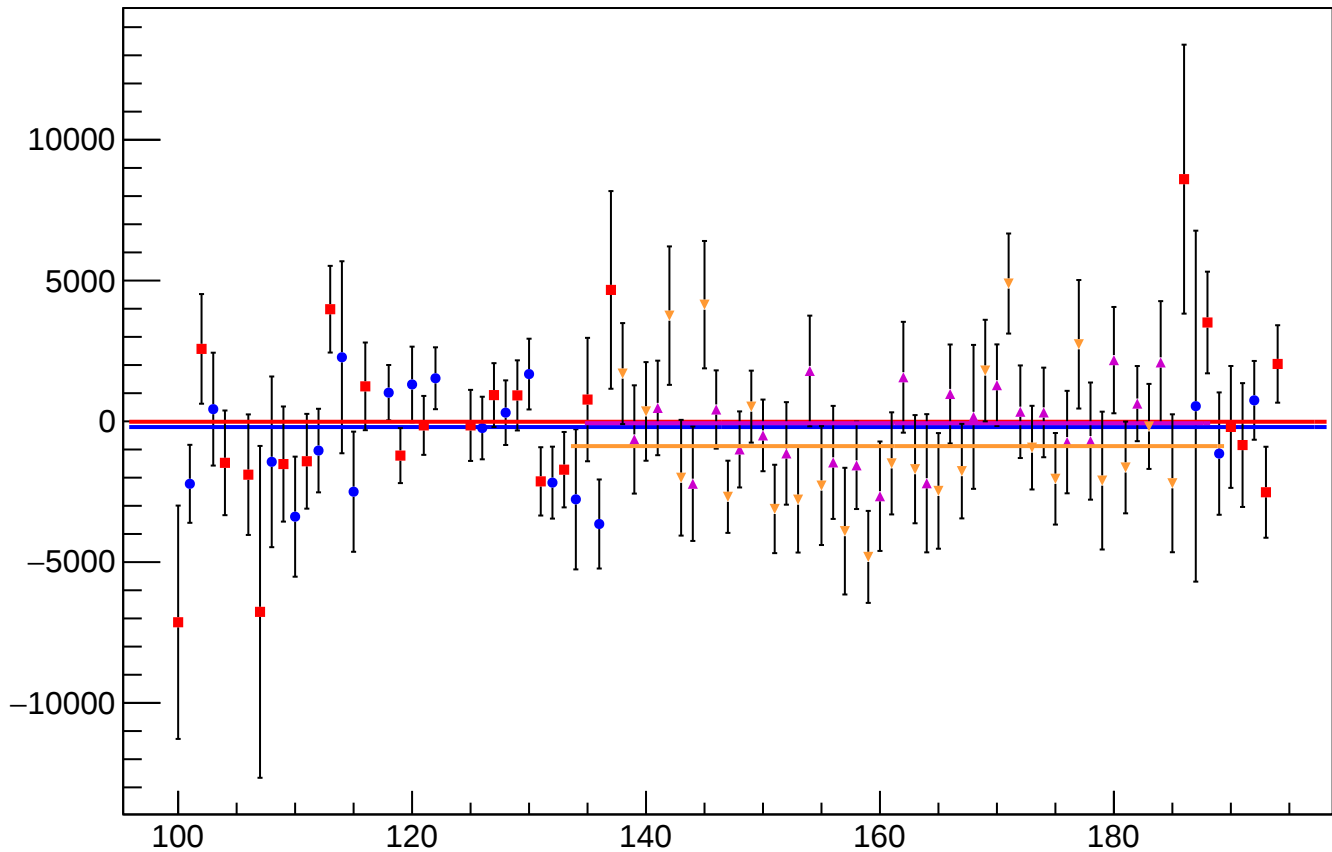
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1122.001 $\pm$ 0.155 χ^2 /NDF: 883116.6/43

All: 1120.645 $\pm$ 0.108 χ^2 /NDF: 915168.0/90

- sign 1119.382 $\pm$ 0.150 χ^2 /NDF: 31904.0/46

asym_usl_correction_mean vs Slug



Right In: -203.185+/-345.009 χ^2/NDF : 23.2/18

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

Right Out: -14.086+/-324.368 χ^2/NDF : 37.3/23

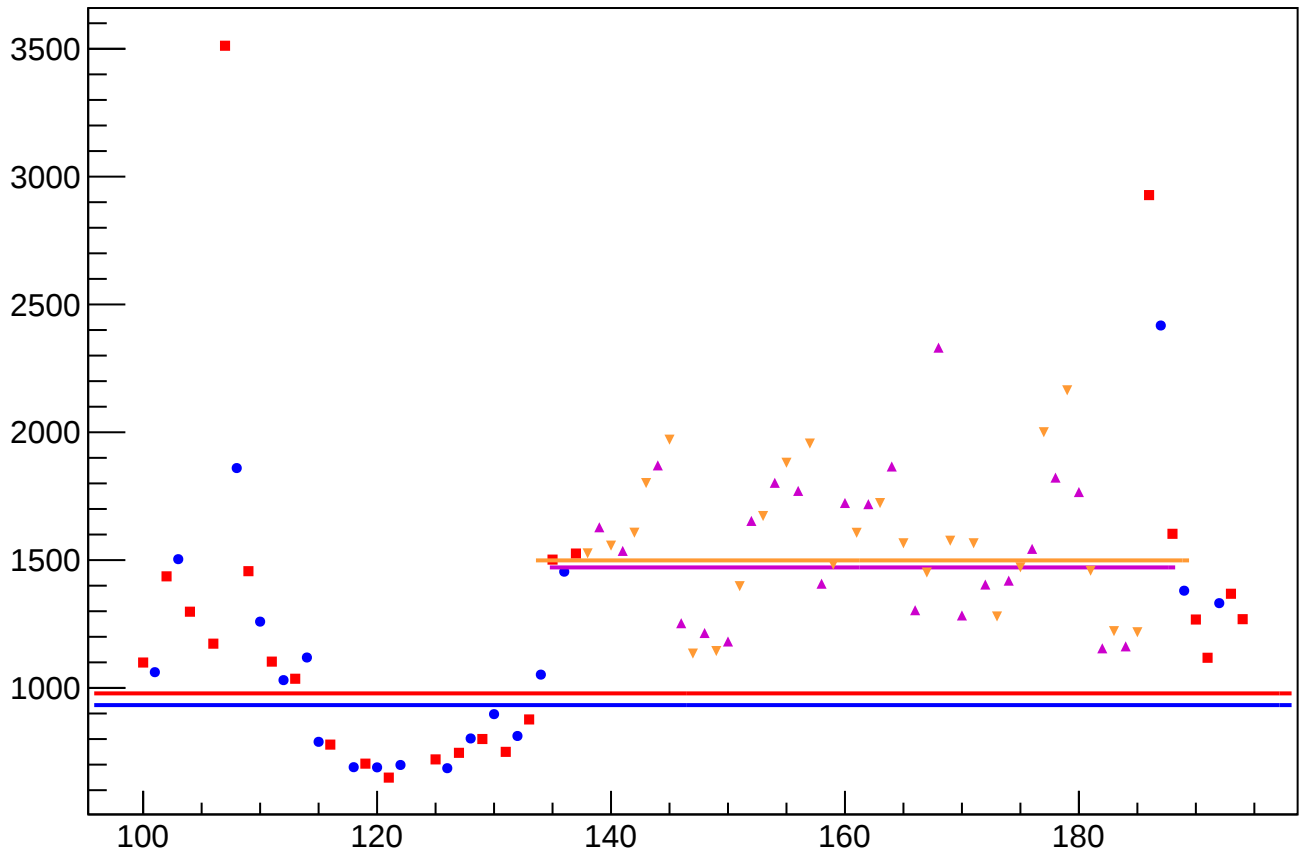
Left In: -65.738+/-358.785 χ^2/NDF : 12.1/22

+ sign -531.123+/-247.649 χ^2/NDF : 68.6/43

All: -277.106+/-172.573 χ^2/NDF : 120.1/90

- sign -37.316+/-240.613 χ^2/NDF : 49.4/46

asym_usl_correction_rms vs Slug



Right In: 932.814+/-0.244 χ^2/NDF : 1443141.6/18

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

Right Out: 978.648+/-0.229 χ^2/NDF : 2345214.5/23

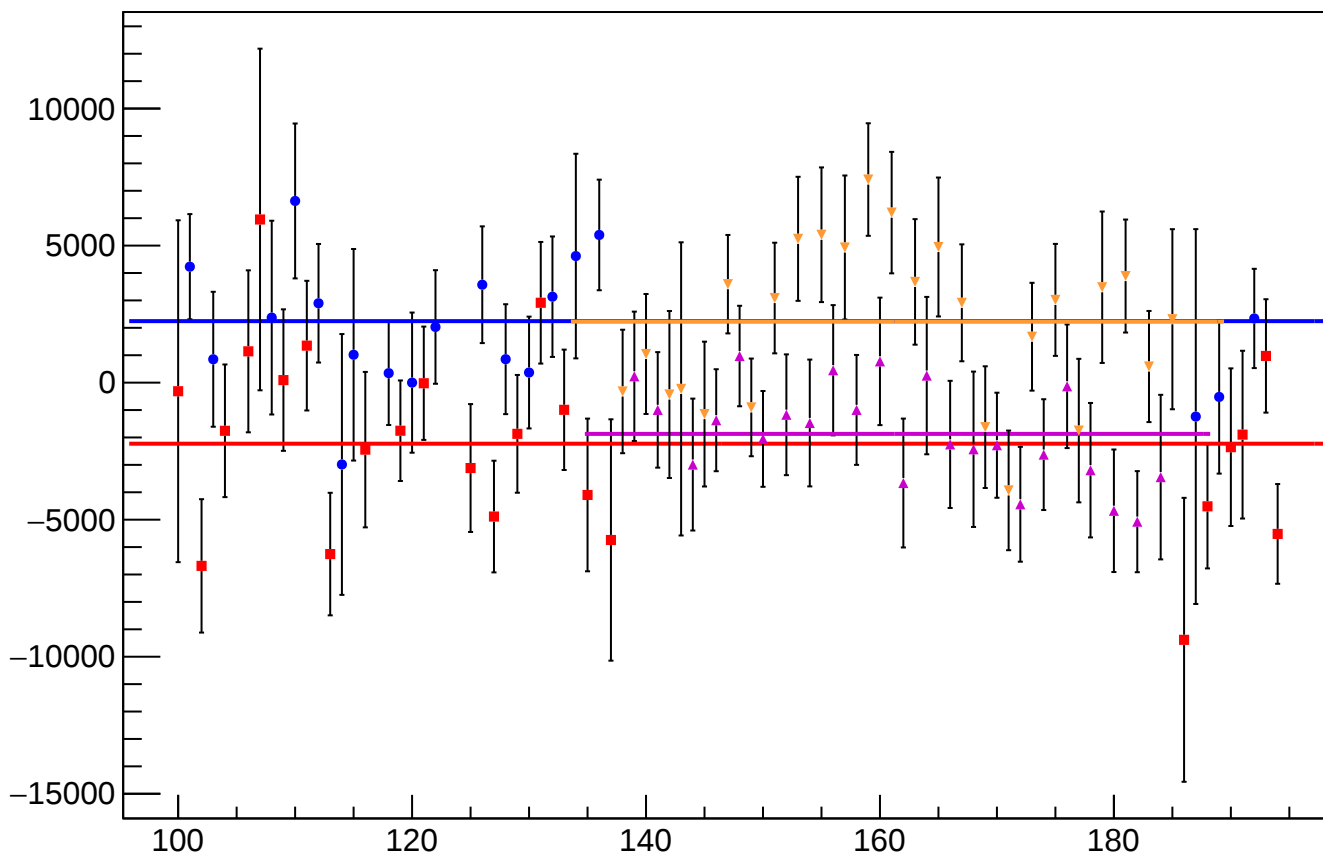
Left In: 1471.394+/-0.254 χ^2/NDF : 1105310.5/22

+ sign 1207.203+/-0.175 χ^2/NDF : 5106685.5/43

All: 1203.631+/-0.122 χ^2/NDF : 10633740.5/9

- sign 1200.259+/-0.170 χ^2/NDF : 5526246.0/46

asym_usl_mean vs Slug



Right In: 2243.940 ± 548.827 $\chi^2/\text{NDF}: 12.9/18$

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

Right Out: -2227.853 ± 505.201 $\chi^2/\text{NDF}: 31.3/23$

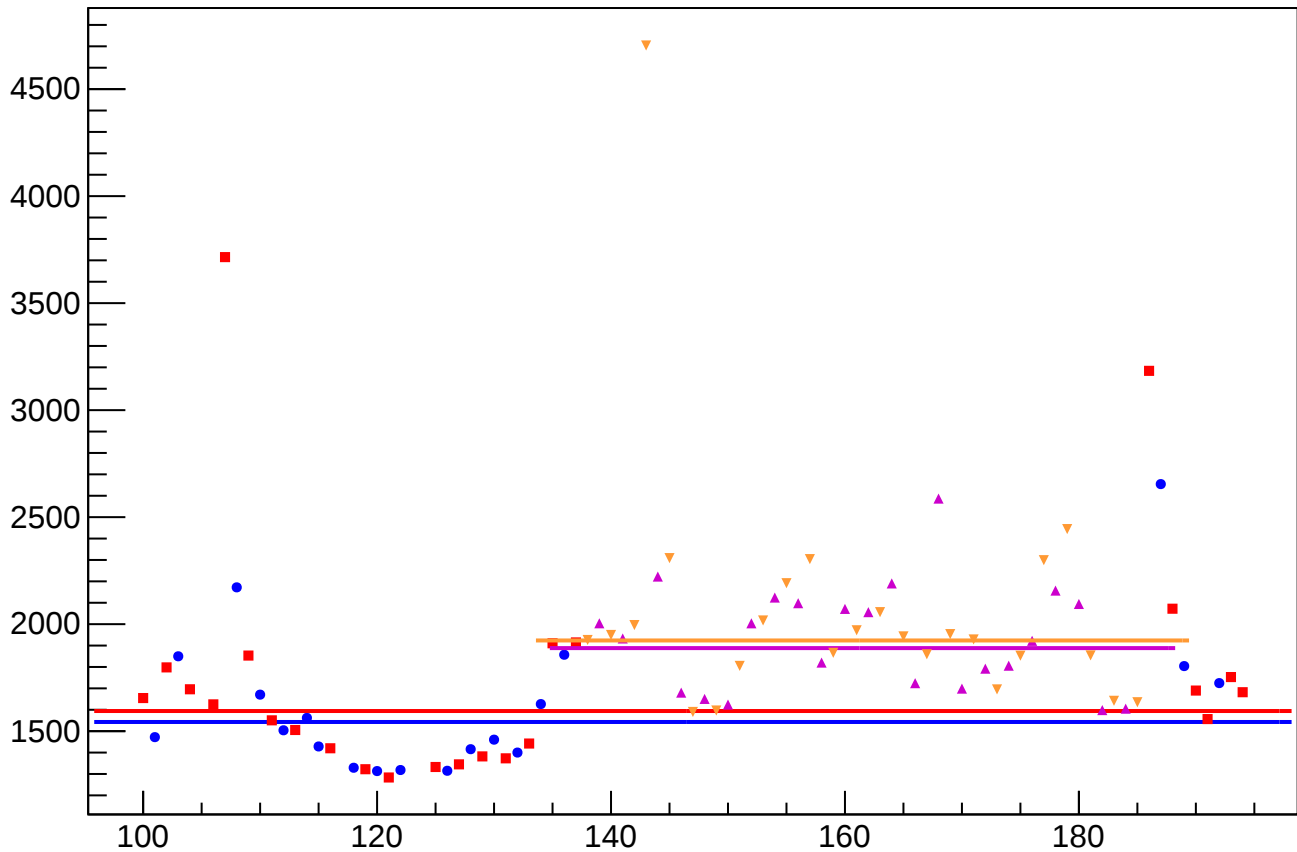
Left In: -1869.792 ± 455.465 $\chi^2/\text{NDF}: 14.9/22$

+ sign 2233.620 ± 350.197 $\chi^2/\text{NDF}: 51.7/43$

All: 27.878 ± 243.305 $\chi^2/\text{NDF}: 174.9/90$

- sign -2030.335 ± 338.283 $\chi^2/\text{NDF}: 46.5/46$

asym_usl_rms vs Slug



Right In: 1542.939 $\pm$ 0.388 χ^2 /NDF: 351379.0/18

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

Right Out: 1594.176 $\pm$ 0.357 χ^2 /NDF: 806954.6/23

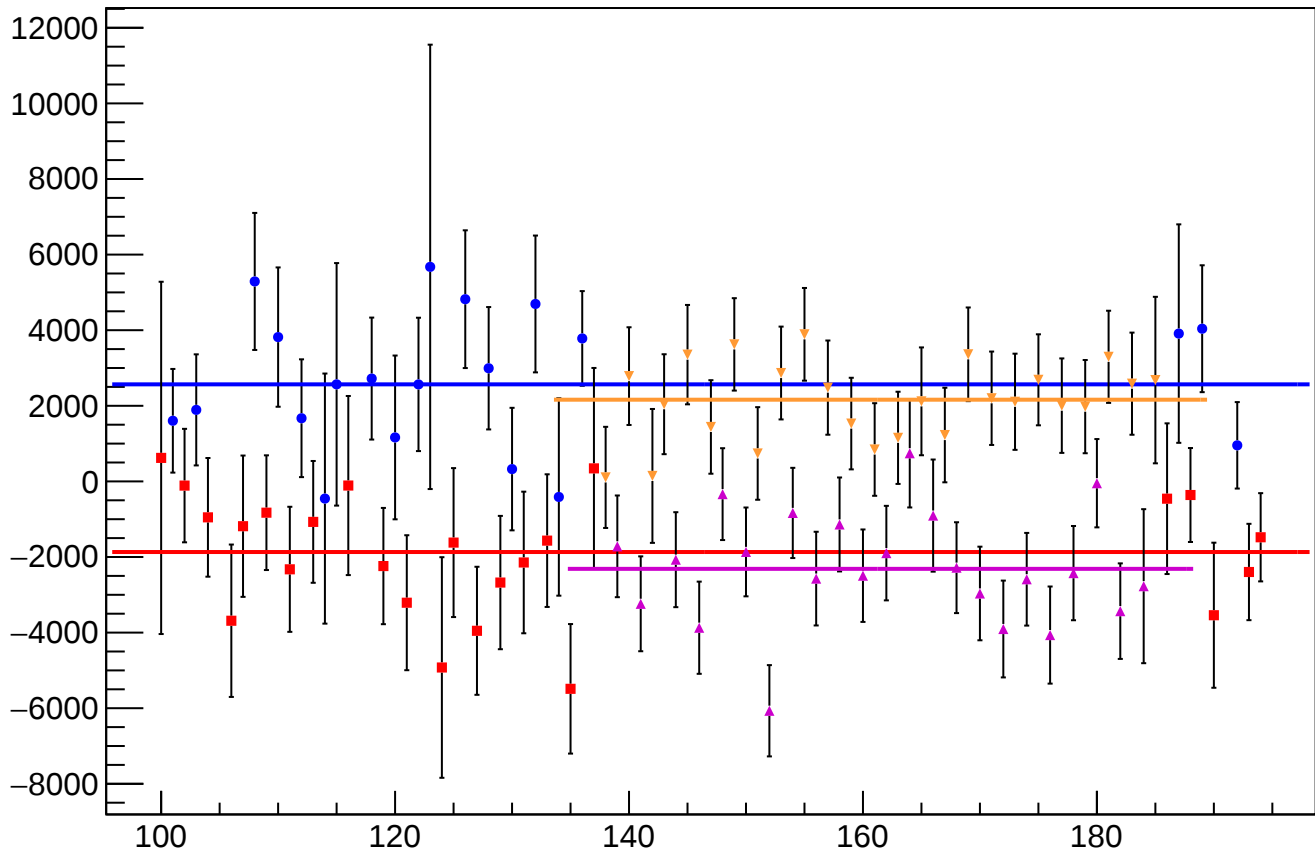
Left In: 1888.121 $\pm$ 0.322 χ^2 /NDF: 504568.6/22

+ sign 1768.752 $\pm$ 0.248 χ^2 /NDF: 1928630.7/43

All: 1762.324 $\pm$ 0.172 χ^2 /NDF: 3614952.5/90

- sign 1756.326 $\pm$ 0.239 χ^2 /NDF: 1685019.2/46

reg_asym_usr_mean vs Slug



Right In: 2567.458+/-391.195 χ^2/NDF : 15.4/19

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

Right Out: -1868.198+/-349.523 χ^2/NDF : 16.0/23

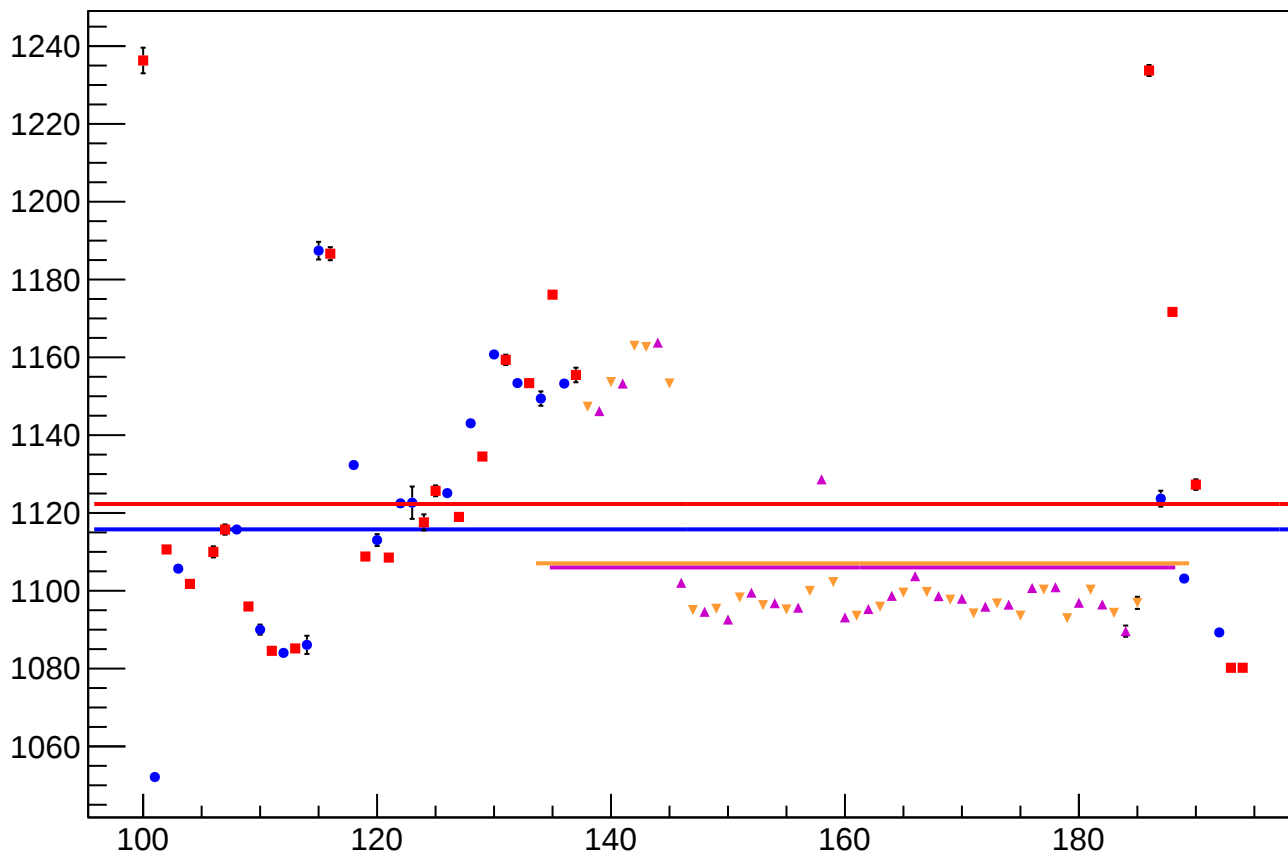
Left In: -2313.505+/-264.429 χ^2/NDF : 31.3/22

+ sign 2284.181+/-215.096 χ^2/NDF : 31.2/44

All: 22.480+/-150.583 χ^2/NDF : 296.3/91

- sign -2151.408+/-210.879 χ^2/NDF : 48.3/46

reg_asym_usr_rms vs Slug



Right In: 1115.783 $\pm$ 0.277 χ^2 /NDF: 13378.5/19

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

Right Out: 1122.307 $\pm$ 0.247 χ^2 /NDF: 24226.8/23

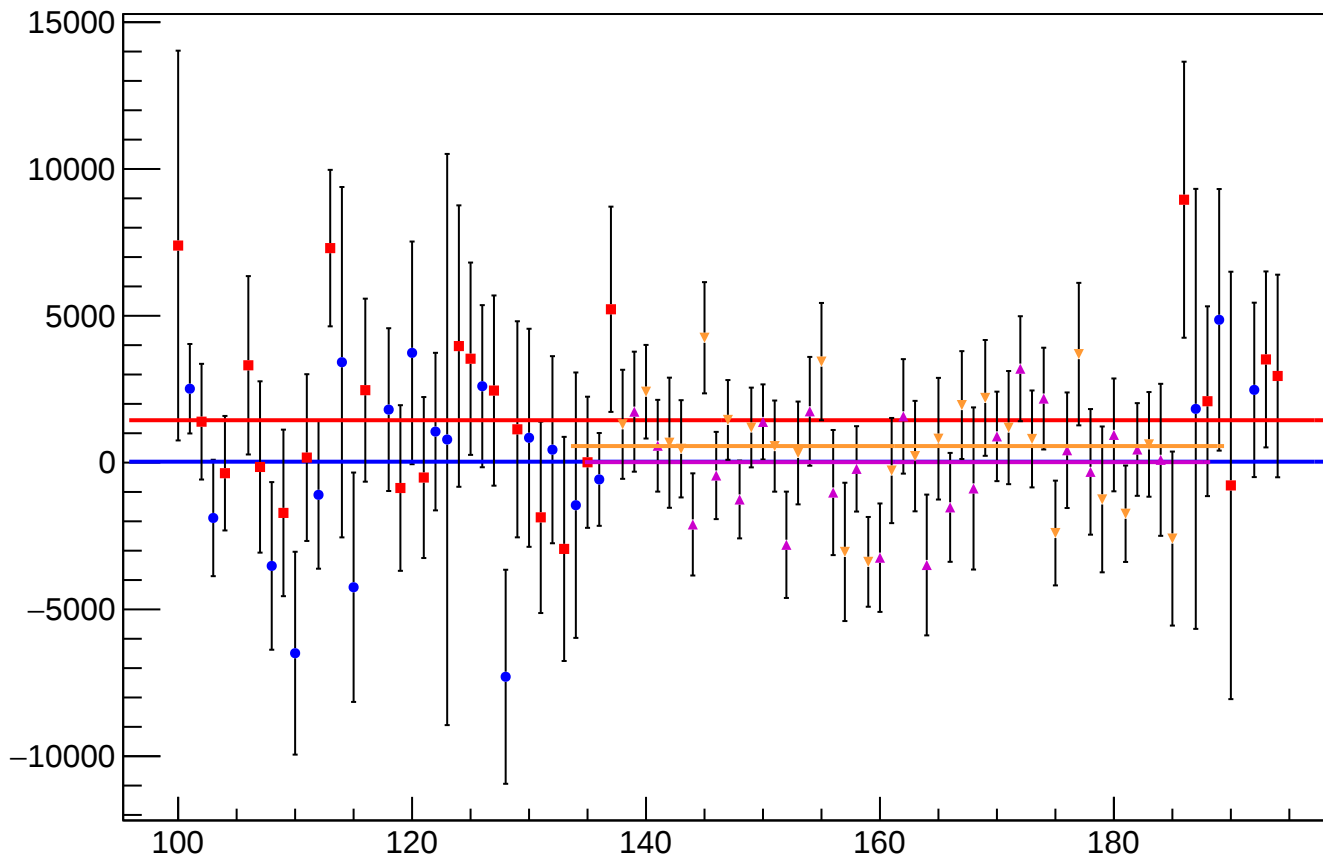
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

+ sign 1109.695 $\pm$ 0.152 χ^2 /NDF: 29248.4/44

All: 1110.836 $\pm$ 0.106 χ^2 /NDF: 67906.8/91

- sign 1111.934 $\pm$ 0.149 χ^2 /NDF: 38547.9/46

asym_usr_correction_mean vs Slug



Right In: 30.964 ± 632.347 $\chi^2/\text{NDF}: 19.1/19$

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

Right Out: 1443.217 ± 617.063 $\chi^2/\text{NDF}: 18.0/23$

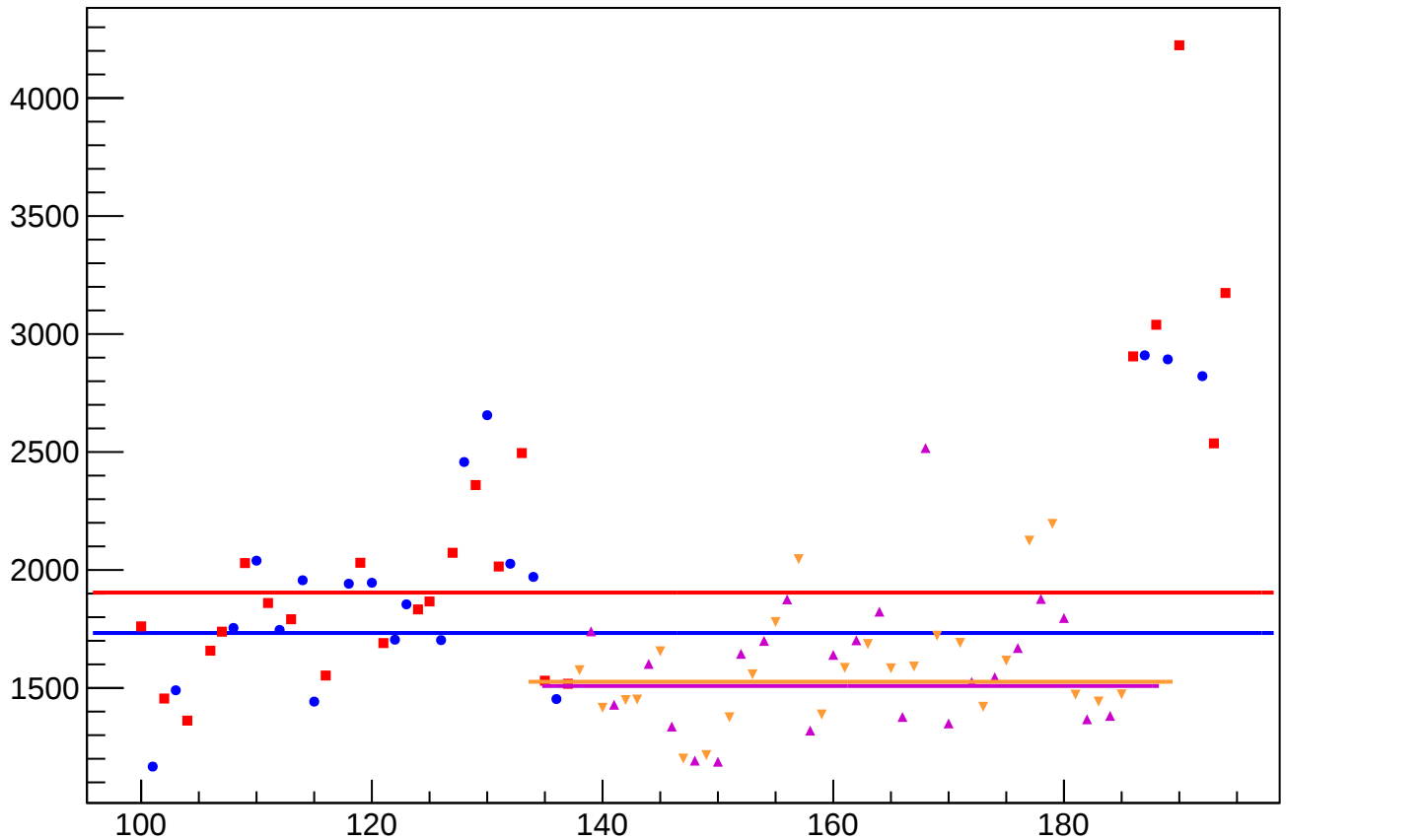
Left In: 15.520 ± 366.854 $\chi^2/\text{NDF}: 20.1/22$

+ sign 432.490 ± 313.444 $\chi^2/\text{NDF}: 46.4/44$

All: 410.558 ± 222.304 $\chi^2/\text{NDF}: 88.5/91$

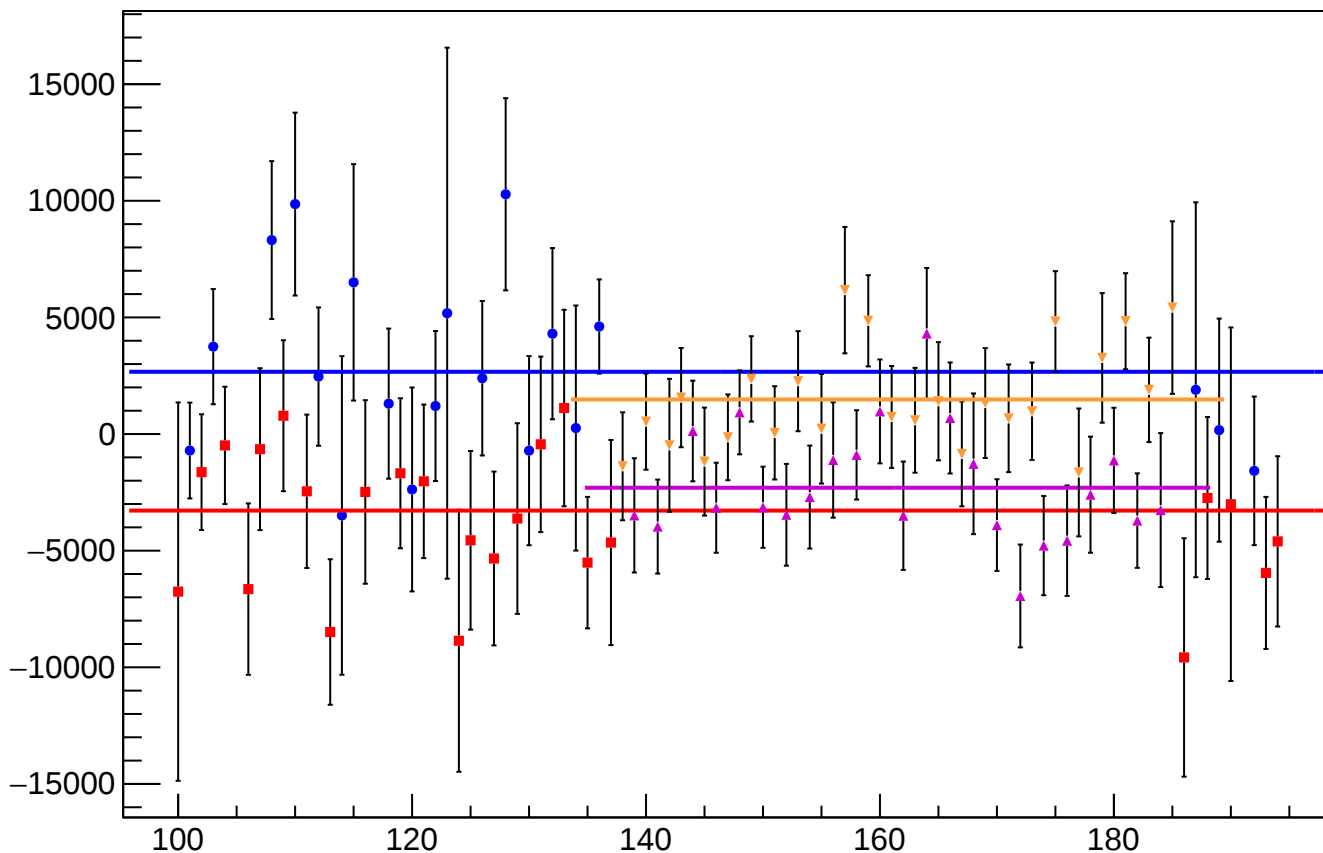
- sign 388.360 ± 315.335 $\chi^2/\text{NDF}: 42.1/46$

asym_usr_correction_rms vs Slug



Right In: 1733.013 ± 0.447 $\chi^2/\text{NDF}: 1095620.3/19$ + sign 1577.158 ± 0.222 $\chi^2/\text{NDF}: 2010403.8/44$
 Left Out: 1526.391 ± 0.255 $\chi^2/\text{NDF}: 753714.4/24$ All: 1594.435 ± 0.157 $\chi^2/\text{NDF}: 4958613.8/91$
 Right Out: 1904.291 ± 0.436 $\chi^2/\text{NDF}: 1396608.9/23$ - sign 1611.920 ± 0.223 $\chi^2/\text{NDF}: 2935985.0/46$
 Left In: 1508.581 ± 0.259 $\chi^2/\text{NDF}: 931684.8/22$

asym_usr_mean vs Slug



Right In: 2669.457 $\pm$ 765.905 χ^2 /NDF: 19.7/19

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

Right Out: -3281.207 $\pm$ 728.999 χ^2 /NDF: 14.3/23

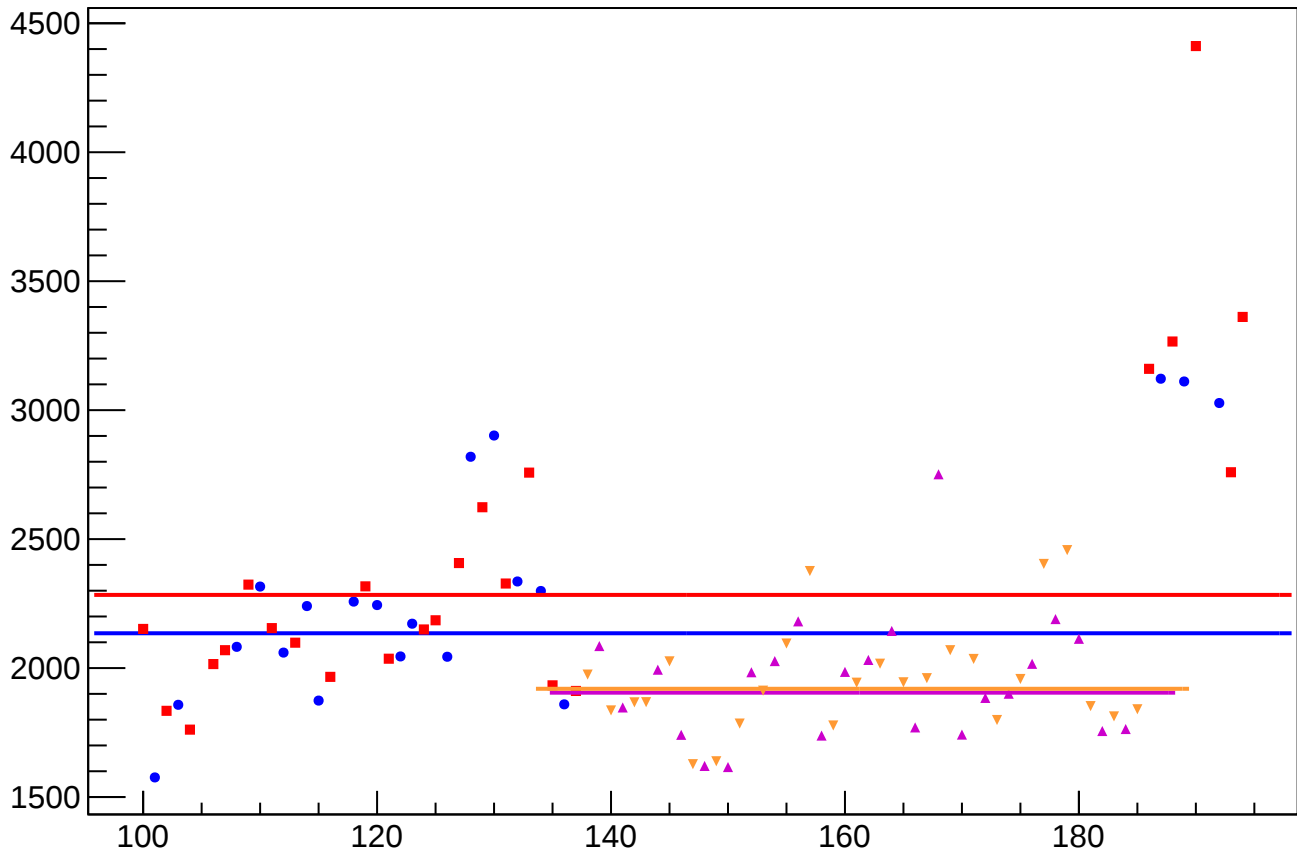
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ sign 1786.977 $\pm$ 387.977 χ^2 /NDF: 42.4/44

All: -393.623 $\pm$ 274.507 χ^2 /NDF: 146.1/91

- sign -2579.483 $\pm$ 388.445 χ^2 /NDF: 40.4/46

asym_usr_rms vs Slug



Right In: 2134.982 $\pm$ 0.542 χ^2 /NDF: 634698.0/19

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

Right Out: 2283.703 $\pm$ 0.515 χ^2 /NDF: 888945.9/23

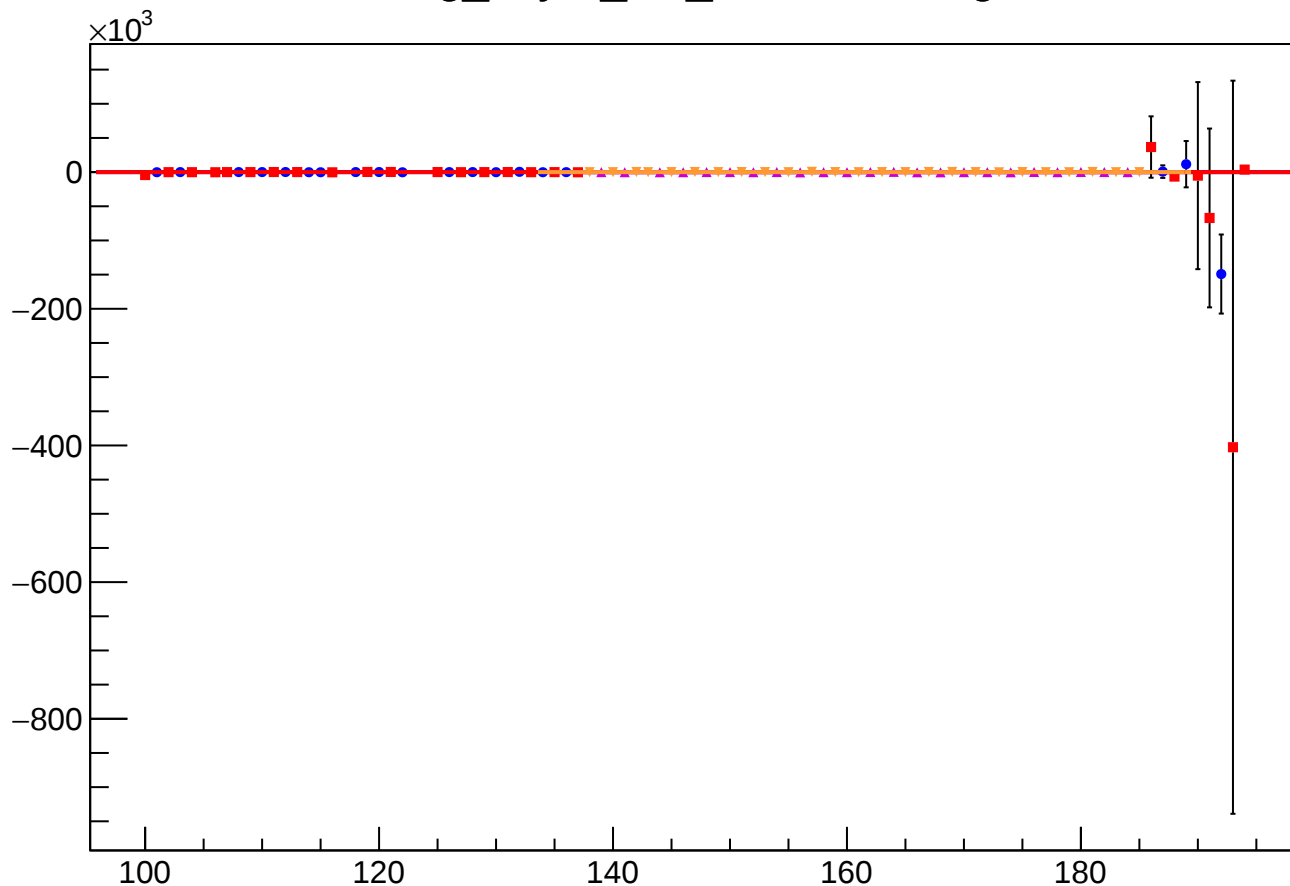
Left In: 1904.629 $\pm$ 0.325 χ^2 /NDF: 447350.7/22

+ sign 1974.966 $\pm$ 0.274 χ^2 /NDF: 1118348.6/44

All: 1993.589 $\pm$ 0.194 χ^2 /NDF: 2851114.7/91

- sign 2012.257 $\pm$ 0.275 χ^2 /NDF: 1723538.5/46

reg_asym_dsl_mean vs Slug



Right In: -0.805 ± 36.771 χ^2/NDF : 23.3/18

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

Right Out: -1.650 ± 36.755 χ^2/NDF : 17.0/23

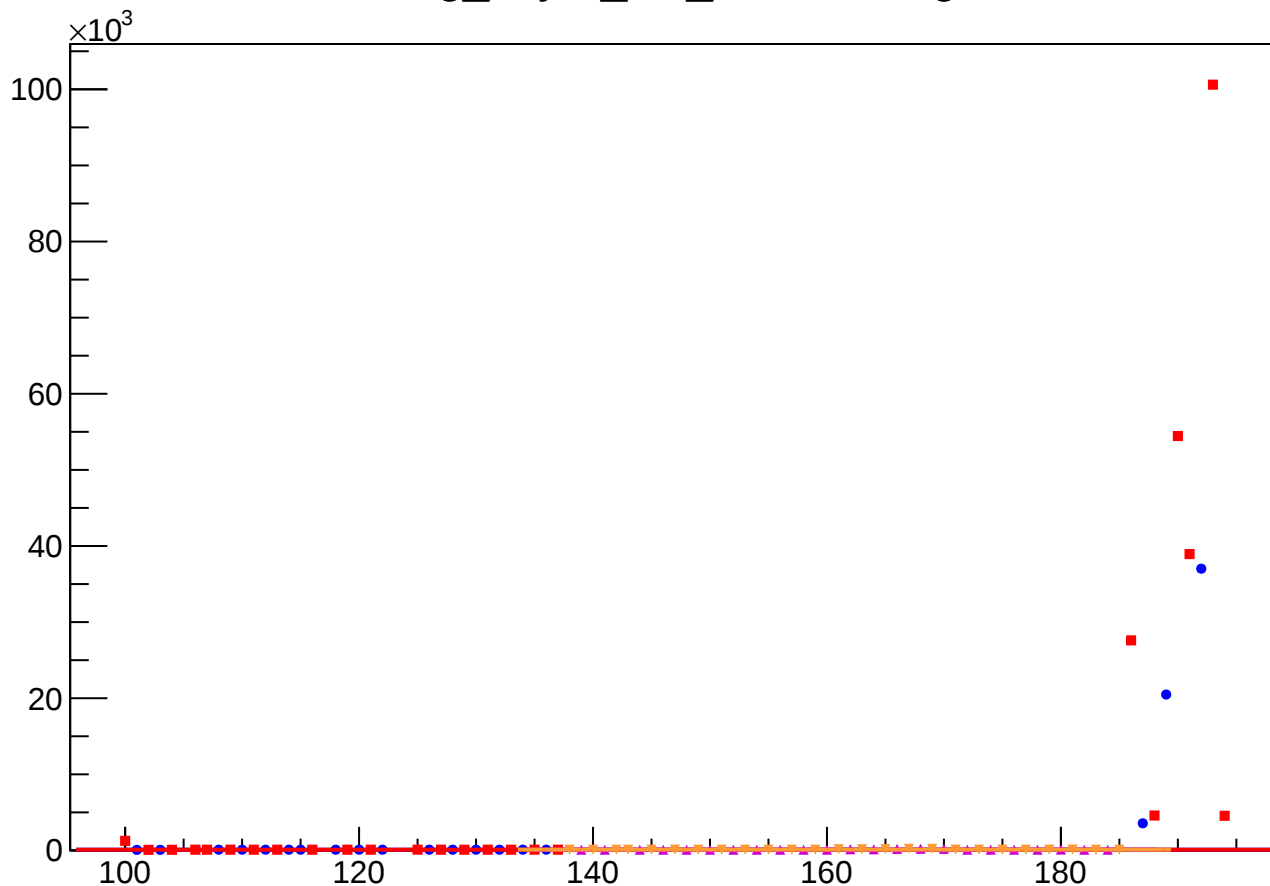
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 4.866 ± 20.995 χ^2/NDF : 59.8/43

All: -5.820 ± 14.991 χ^2/NDF : 114.0/90

- sign -16.935 ± 21.412 χ^2/NDF : 53.6/46

reg_asym_dsl_rms vs Slug



Right In: 94.142 $\pm$ 0.026 χ^2 /NDF: 1989805.7/18

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

Right Out: 96.703 $\pm$ 0.026 χ^2 /NDF: 3719284.9/23

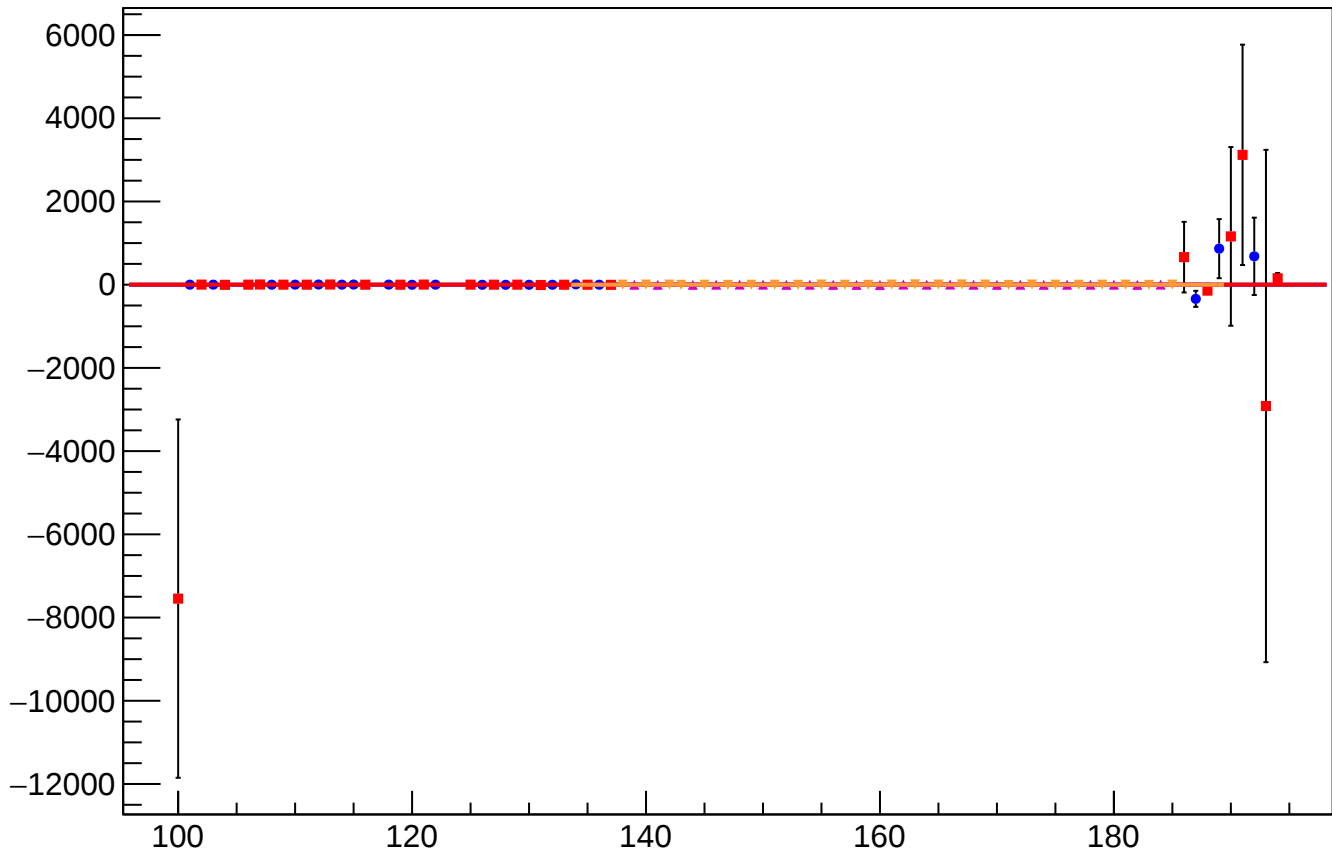
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.206 $\pm$ 0.015 χ^2 /NDF: 3617470.6/43

All: 103.570 $\pm$ 0.011 χ^2 /NDF: 8946707.5/90

- sign 103.950 $\pm$ 0.015 χ^2 /NDF: 5328006.2/46

asym_dsl_correction_mean vs Slug



Right In: 0.387 ± 0.617 χ^2/NDF : 15.6/18

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

Right Out: 0.343 ± 0.644 χ^2/NDF : 27.0/23

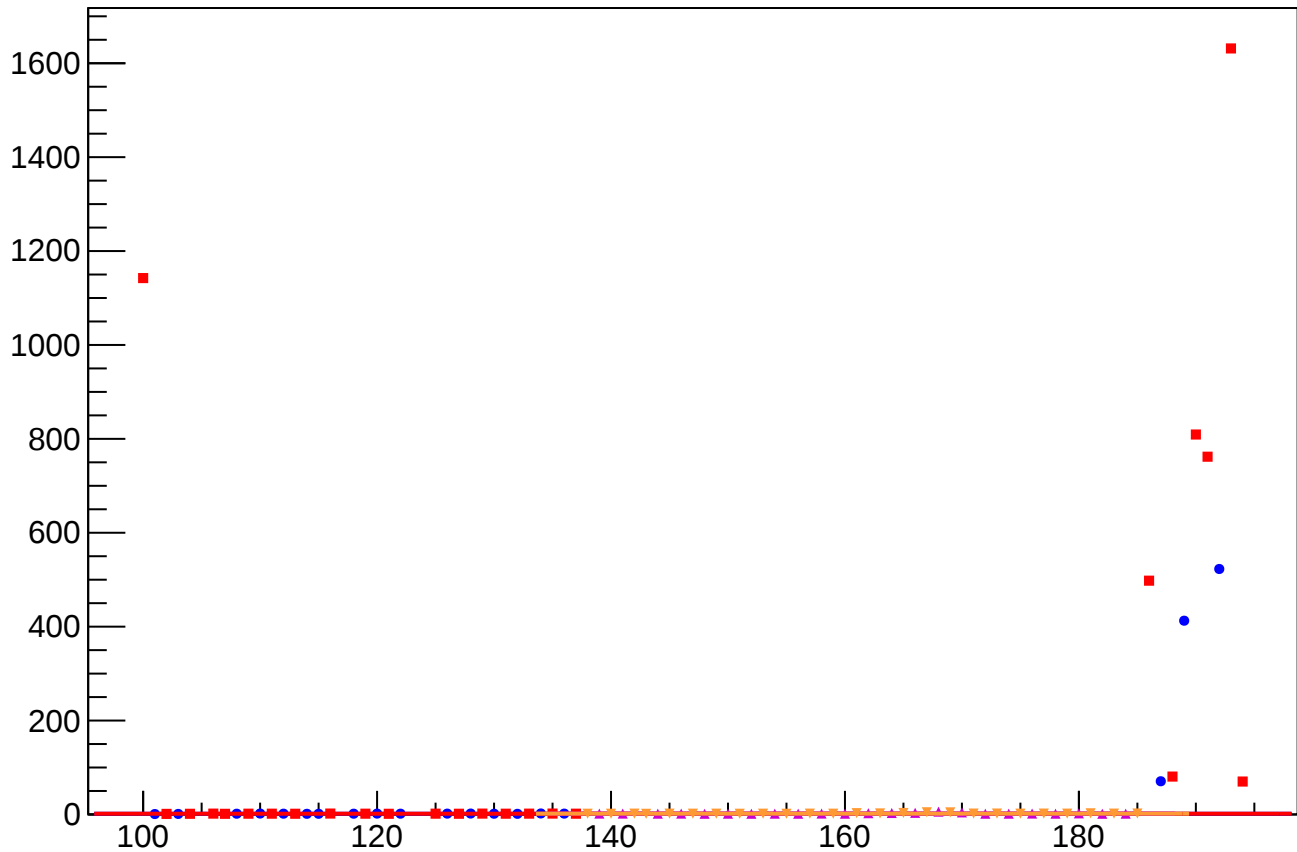
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.354 ± 0.368 χ^2/NDF : 51.9/43

All: -0.106 ± 0.267 χ^2/NDF : 104.9/90

- sign 0.167 ± 0.387 χ^2/NDF : 52.1/46

asym_dsl_correction_rms vs Slug



Right In: 1.421+/-0.000 χ^2/NDF : 2273180.3/18

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

Right Out: 1.560+/-0.000 χ^2/NDF : 3384085.4/23

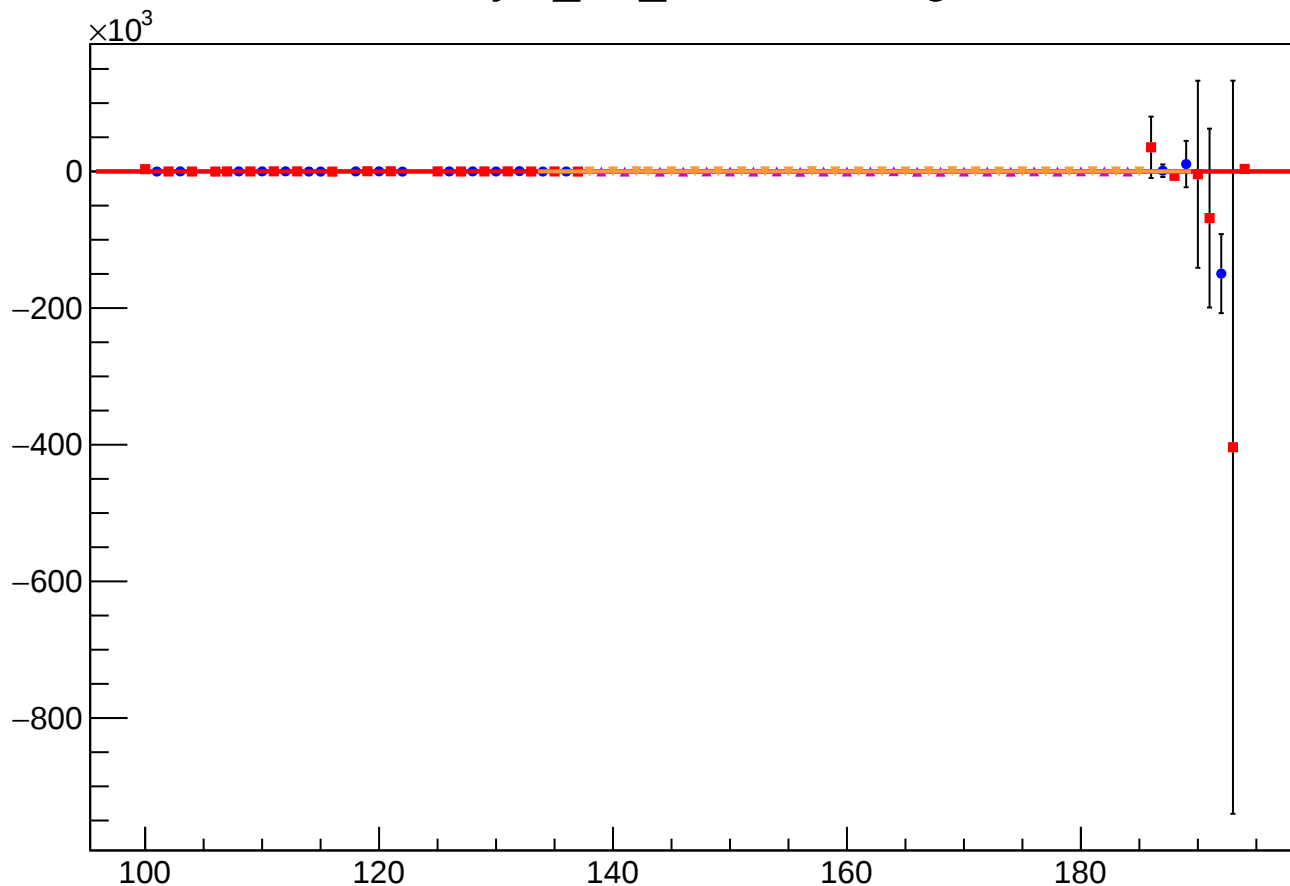
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.630+/-0.000 χ^2/NDF : 4314238.9/43

All: 1.671+/-0.000 χ^2/NDF : 9850153.0/90

- sign 1.715+/-0.000 χ^2/NDF : 5486070.6/46

asym_dsl_mean vs Slug



Right In: -0.504 ± 36.781 χ^2/NDF : 23.5/18

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

Right Out: -1.411 ± 36.765 χ^2/NDF : 16.4/23

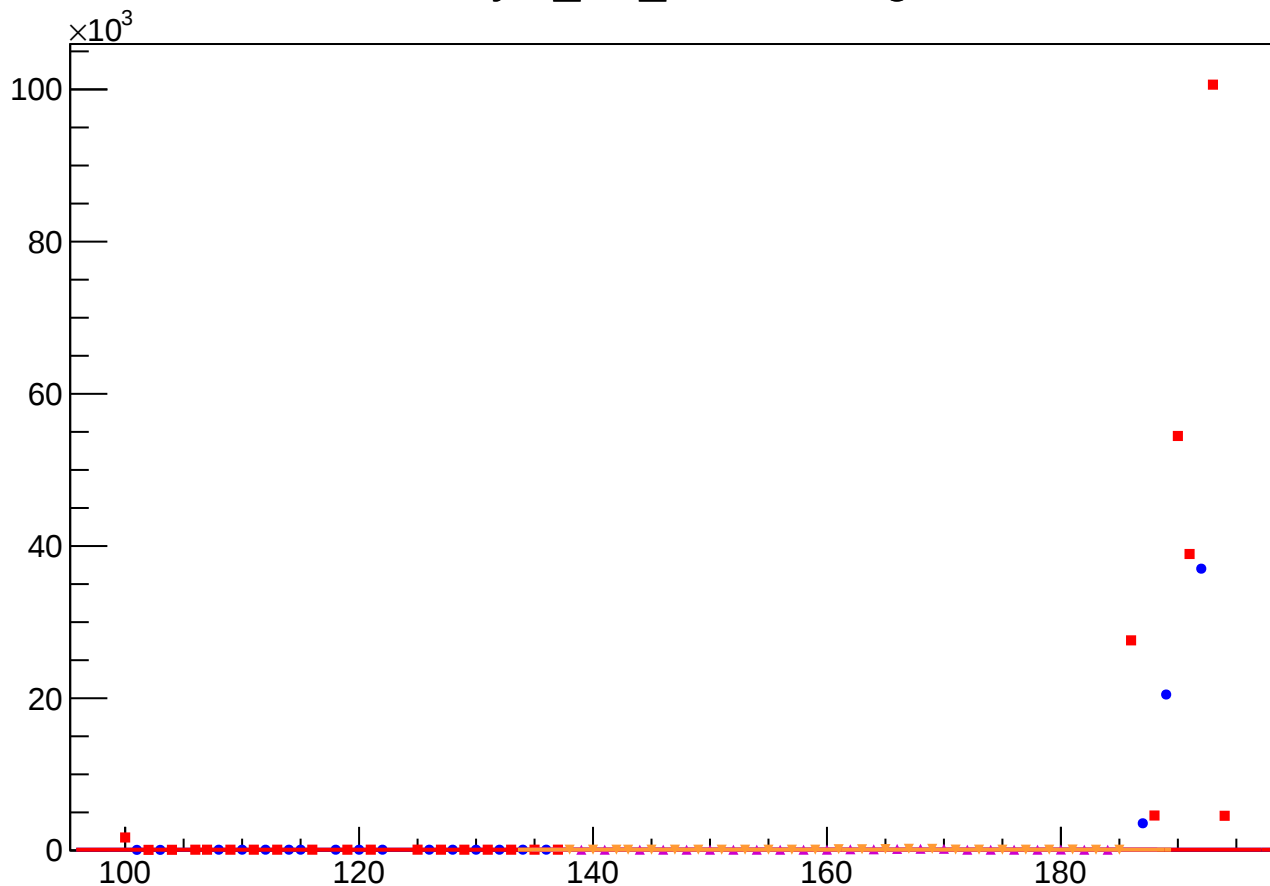
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 5.505 ± 21.001 χ^2/NDF : 59.8/43

All: -5.624 ± 14.995 χ^2/NDF : 112.8/90

- sign -17.200 ± 21.418 χ^2/NDF : 52.4/46

asym_dsl_rms vs Slug



Right In: 94.166 $\pm$ 0.026 χ^2 /NDF: 1989793.4/18

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

Right Out: 96.712 $\pm$ 0.026 χ^2 /NDF: 3724464.4/23

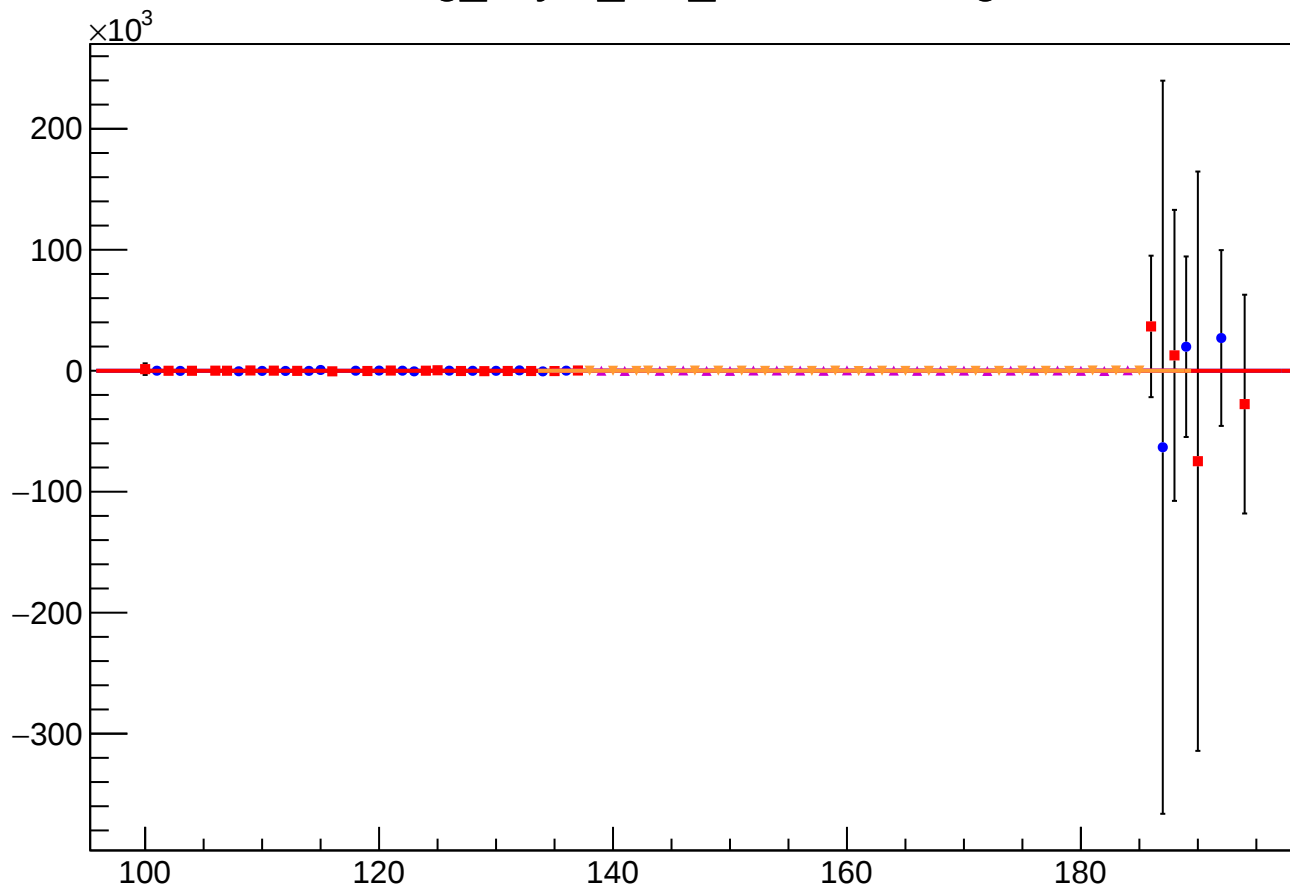
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.234 $\pm$ 0.015 χ^2 /NDF: 3618923.3/43

All: 103.596 $\pm$ 0.011 χ^2 /NDF: 8955028.0/90

- sign 103.973 $\pm$ 0.015 χ^2 /NDF: 5334891.3/46

reg_asym_dsr_mean vs Slug



Right In: -26.780 ± 46.841 χ^2/NDF : 14.7/19

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

Right Out: -53.368 ± 47.775 χ^2/NDF : 16.0/22

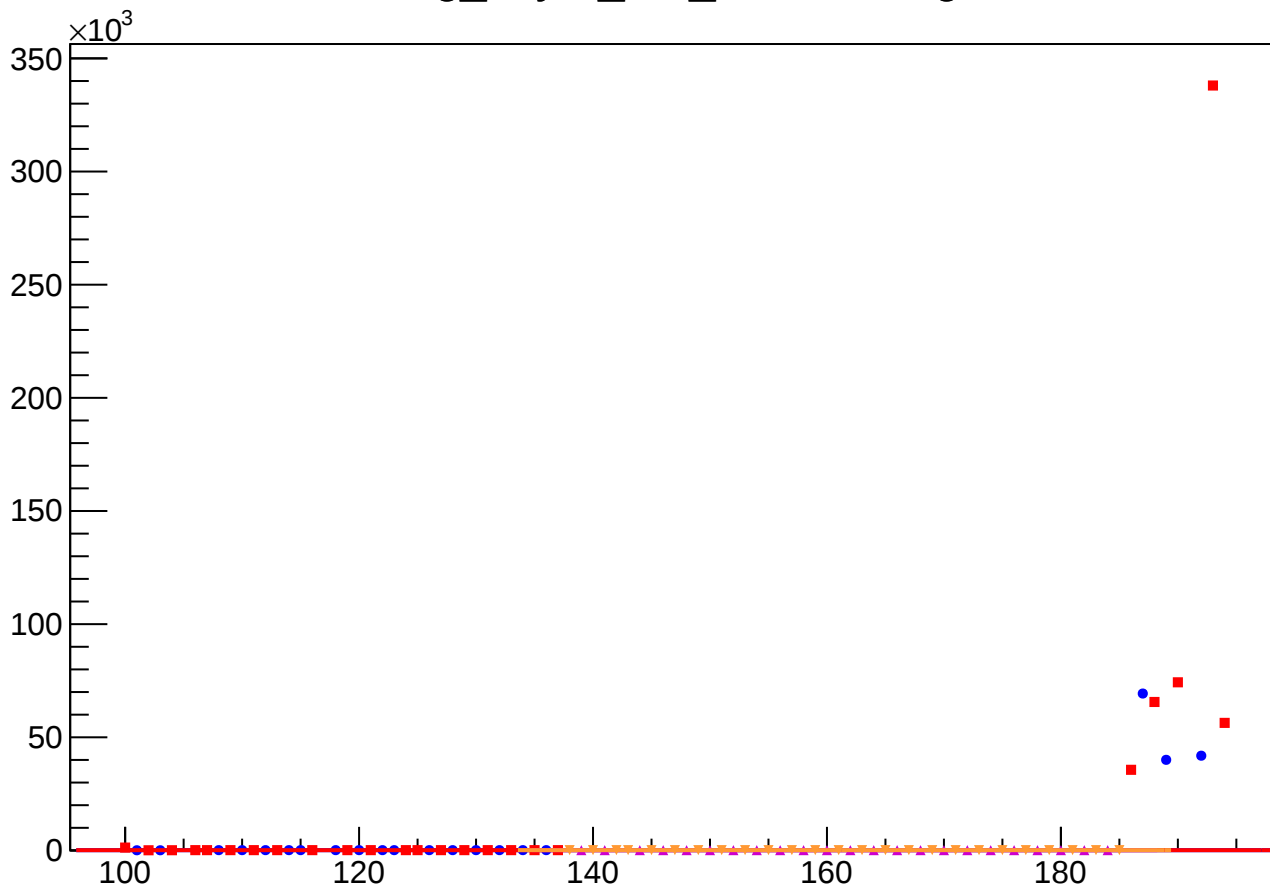
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.280 ± 26.458 χ^2/NDF : 26.7/44

All: 4.352 ± 18.939 χ^2/NDF : 67.6/90

- sign 27.081 ± 27.121 χ^2/NDF : 39.5/45

reg_asym_dsr_rms vs Slug



Right In: 117.798 $\pm$ 0.033 χ^2 /NDF: 2071378.0/19

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

Right Out: 124.782 $\pm$ 0.034 χ^2 /NDF: 3187166.3/23

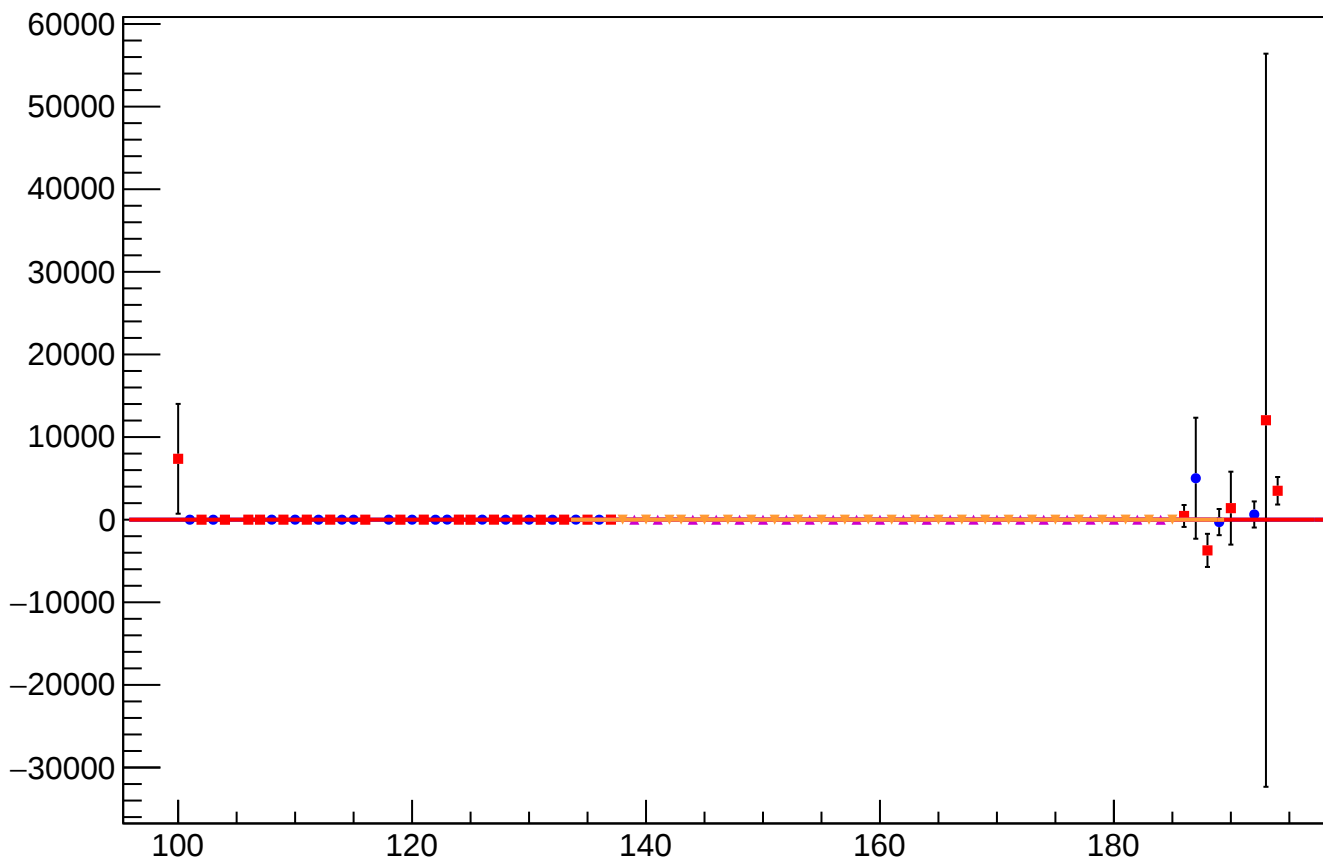
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF:460.3/22

+ sign 131.457 $\pm$ 0.019 χ^2 /NDF: 2321564.6/44

All: 132.506 $\pm$ 0.013 χ^2 /NDF: 5616351.8/91

- sign 133.608 $\pm$ 0.019 χ^2 /NDF: 3288341.6/46

asym_dsr_correction_mean vs Slug



Right In: -0.719 $\pm$ 0.810 χ^2/NDF : 12.9/19

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

Right Out: 0.639 $\pm$ 0.852 χ^2/NDF : 22.8/23

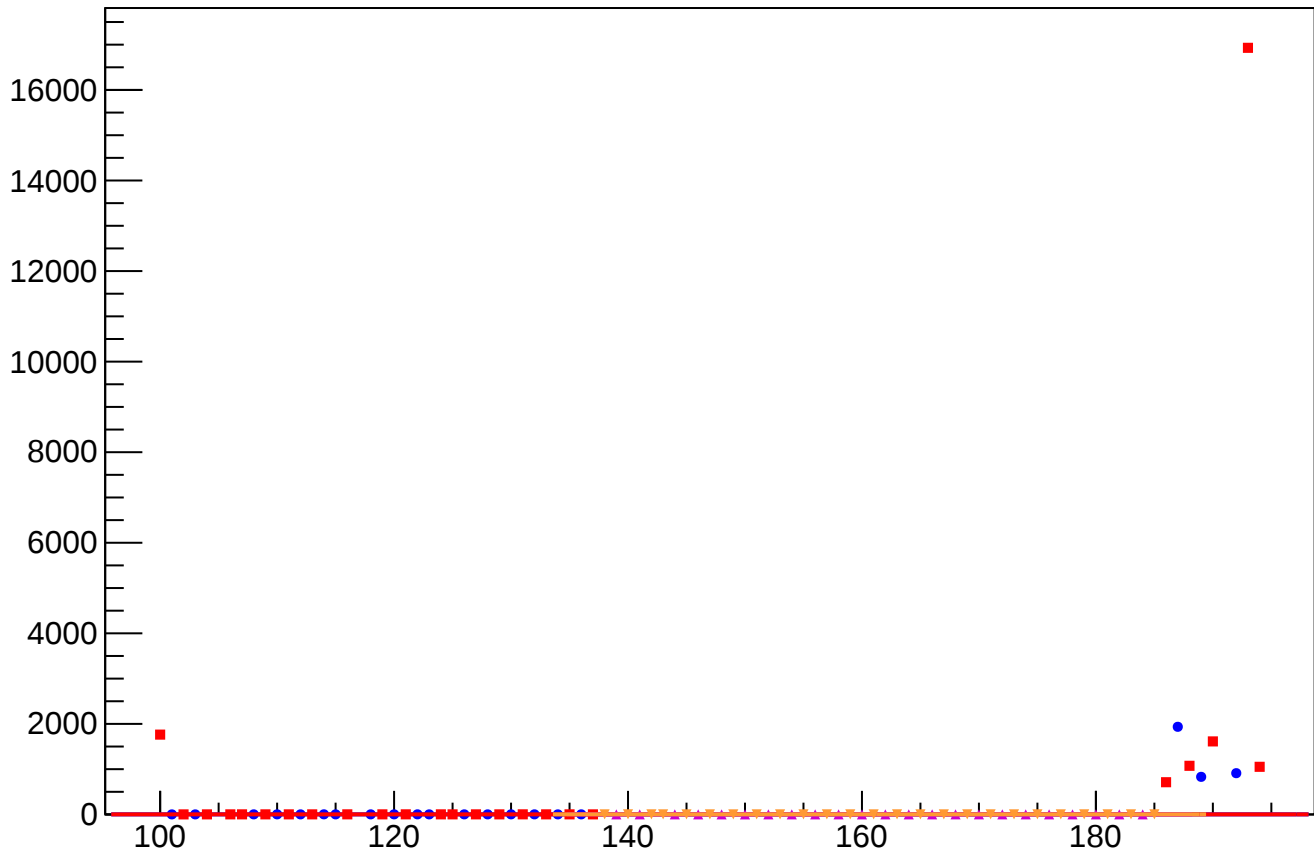
Left In: -0.290 $\pm$ 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 $\pm$ 0.467 χ^2/NDF : 43.3/44

All: 0.046 $\pm$ 0.334 χ^2/NDF : 87.7/91

- sign 0.003 $\pm$ 0.479 χ^2/NDF : 44.3/46

asym_dsr_correction_rms vs Slug



Right In: 1.866 $\pm$ 0.001 χ^2 /NDF: 1838789.0/19

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

Right Out: 2.064 $\pm$ 0.001 χ^2 /NDF: 3023311.2/23

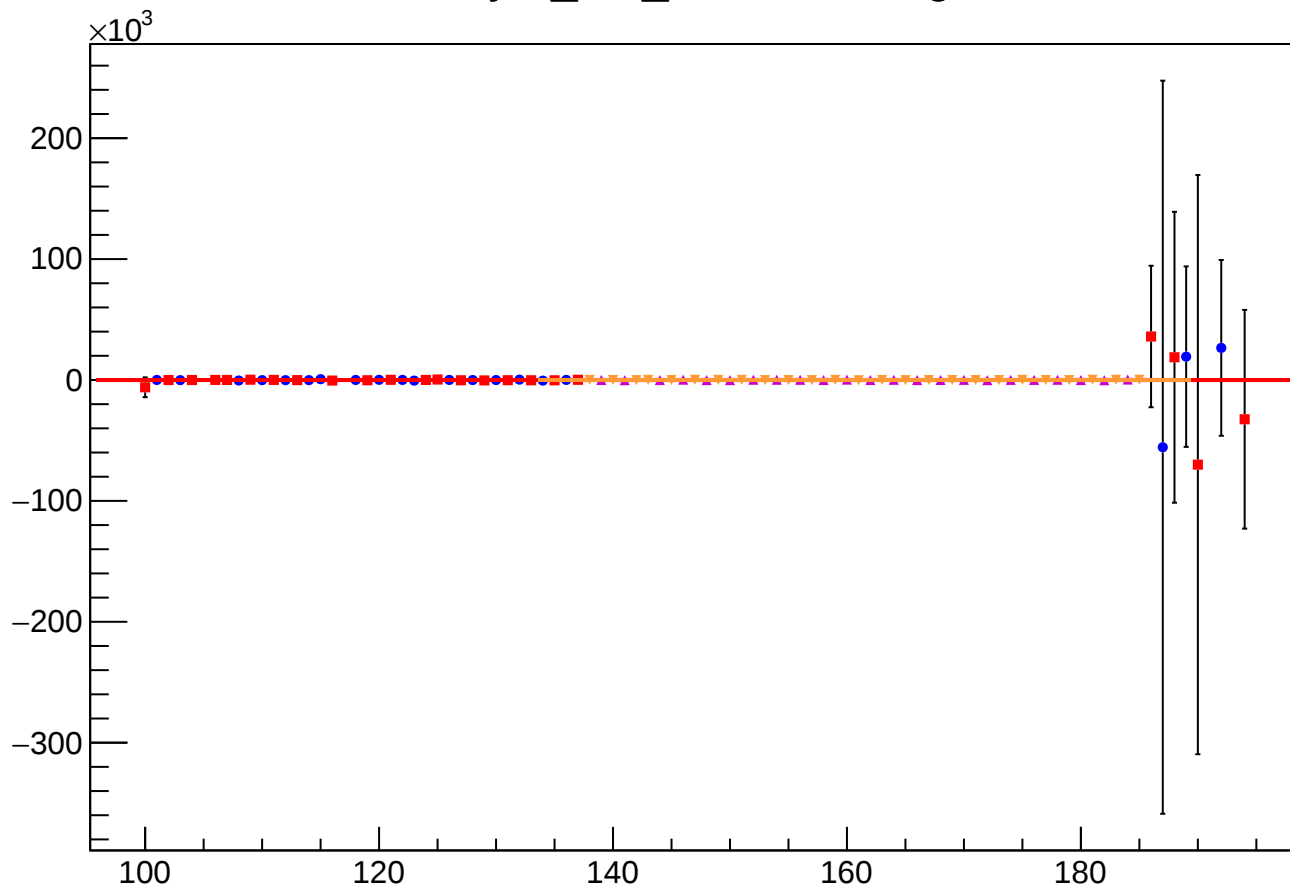
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 2532900.5/44

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 6100443.7/91

- sign 2.152 $\pm$ 0.000 χ^2 /NDF: 3565313.4/46

asym_dsr_mean vs Slug



Right In: -25.042 ± 46.854 χ^2/NDF : 14.7/19

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

Right Out: -54.270 ± 47.789 χ^2/NDF : 16.7/22

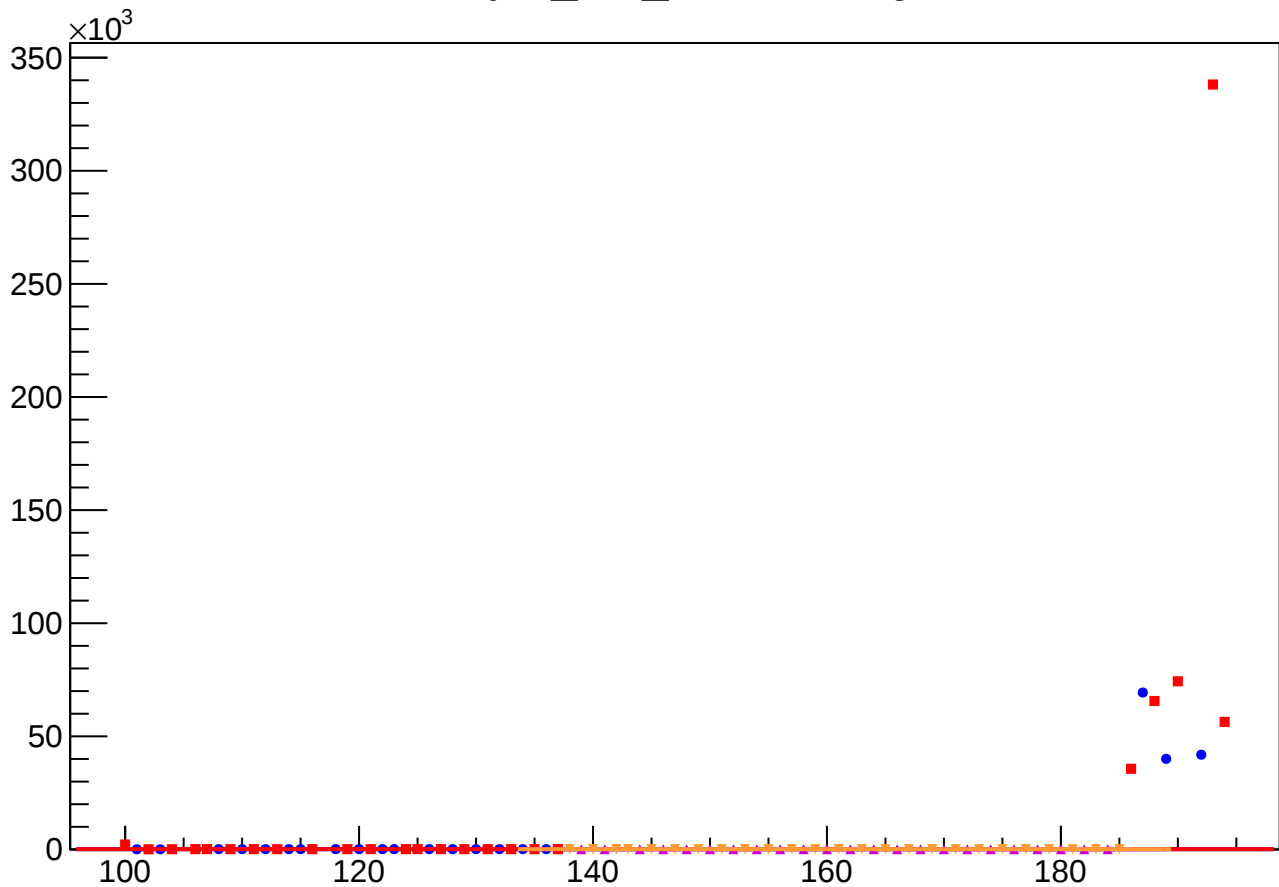
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.103 ± 26.465 χ^2/NDF : 26.6/44

All: 4.267 ± 18.944 χ^2/NDF : 68.2/90

- sign 26.721 ± 27.129 χ^2/NDF : 40.3/45

asym_dsr_rms vs Slug



Right In: 117.830 $\pm$ 0.033 χ^2 /NDF: 2071423.1/19

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

Right Out: 124.771 $\pm$ 0.034 χ^2 /NDF: 3197800.0/23

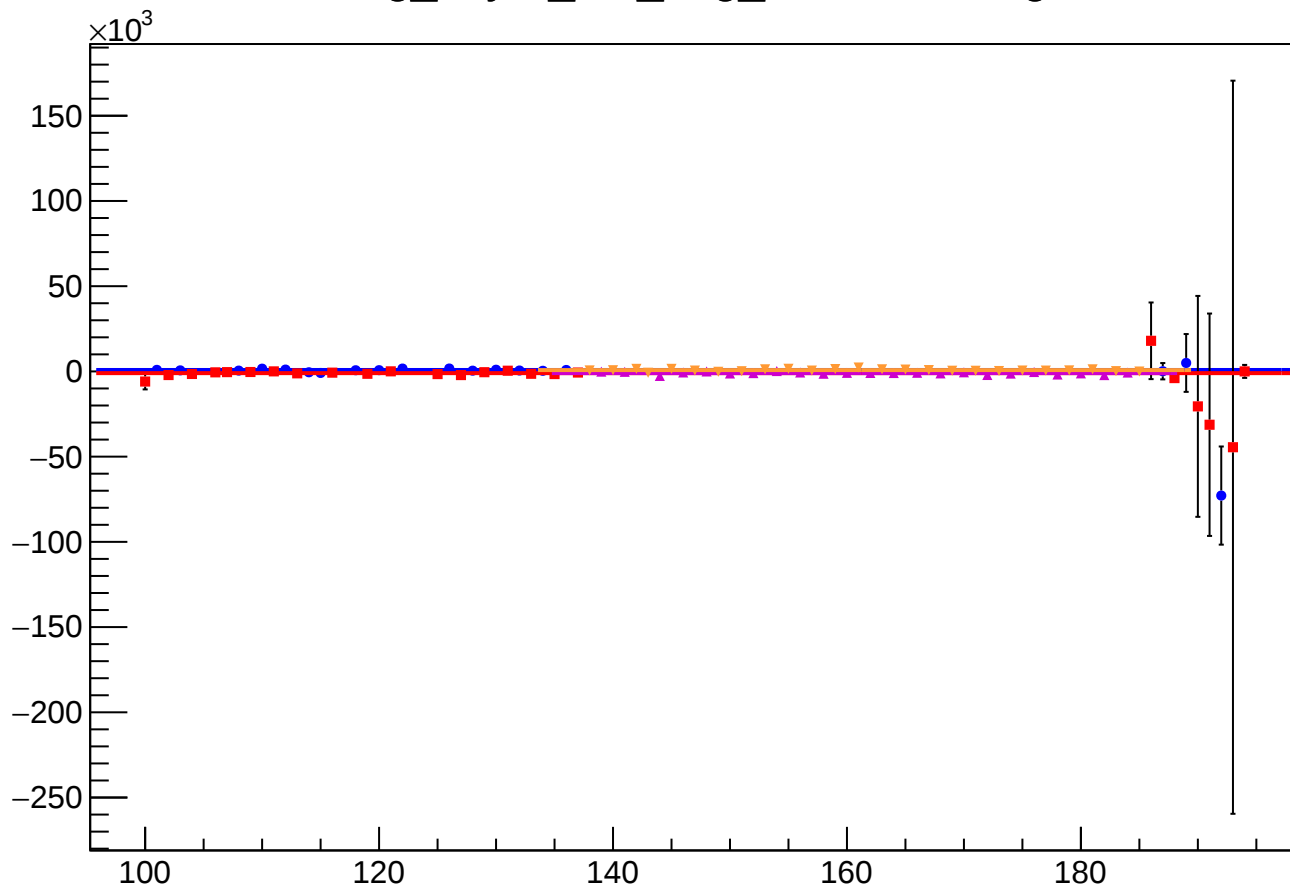
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.493 $\pm$ 0.019 χ^2 /NDF: 2321640.8/44

All: 132.535 $\pm$ 0.013 χ^2 /NDF: 5627688.5/91

- sign 133.631 $\pm$ 0.019 χ^2 /NDF: 3299686.4/46

reg_asym_left_avg_mean vs Slug



Right In: 842.045 ± 216.421 χ^2/NDF : 11.9/18

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

Right Out: -1009.353 ± 212.318 χ^2/NDF : 16.2/23

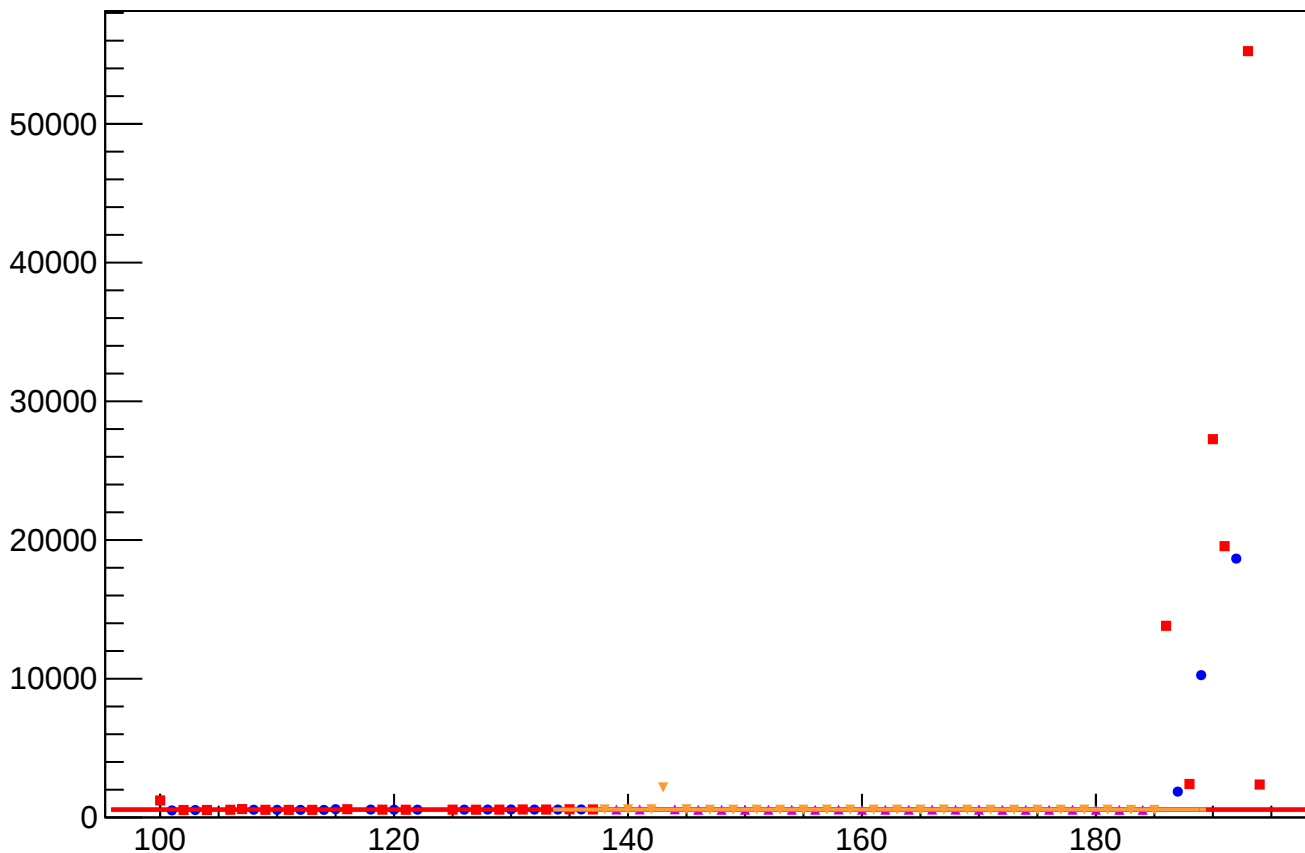
Left In: -974.402 ± 134.932 χ^2/NDF : 27.4/22

+ sign 796.982 ± 113.841 χ^2/NDF : 31.5/43

All: -93.429 ± 80.512 χ^2/NDF : 197.6/90

- sign -984.457 ± 113.880 χ^2/NDF : 43.7/46

reg_asym_left_avg_rms vs Slug



Right In: 562.142+/-0.153 χ^2/NDF : 1614385.0/18

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

Right Out: 580.236+/-0.150 χ^2/NDF : 2695032.1/23

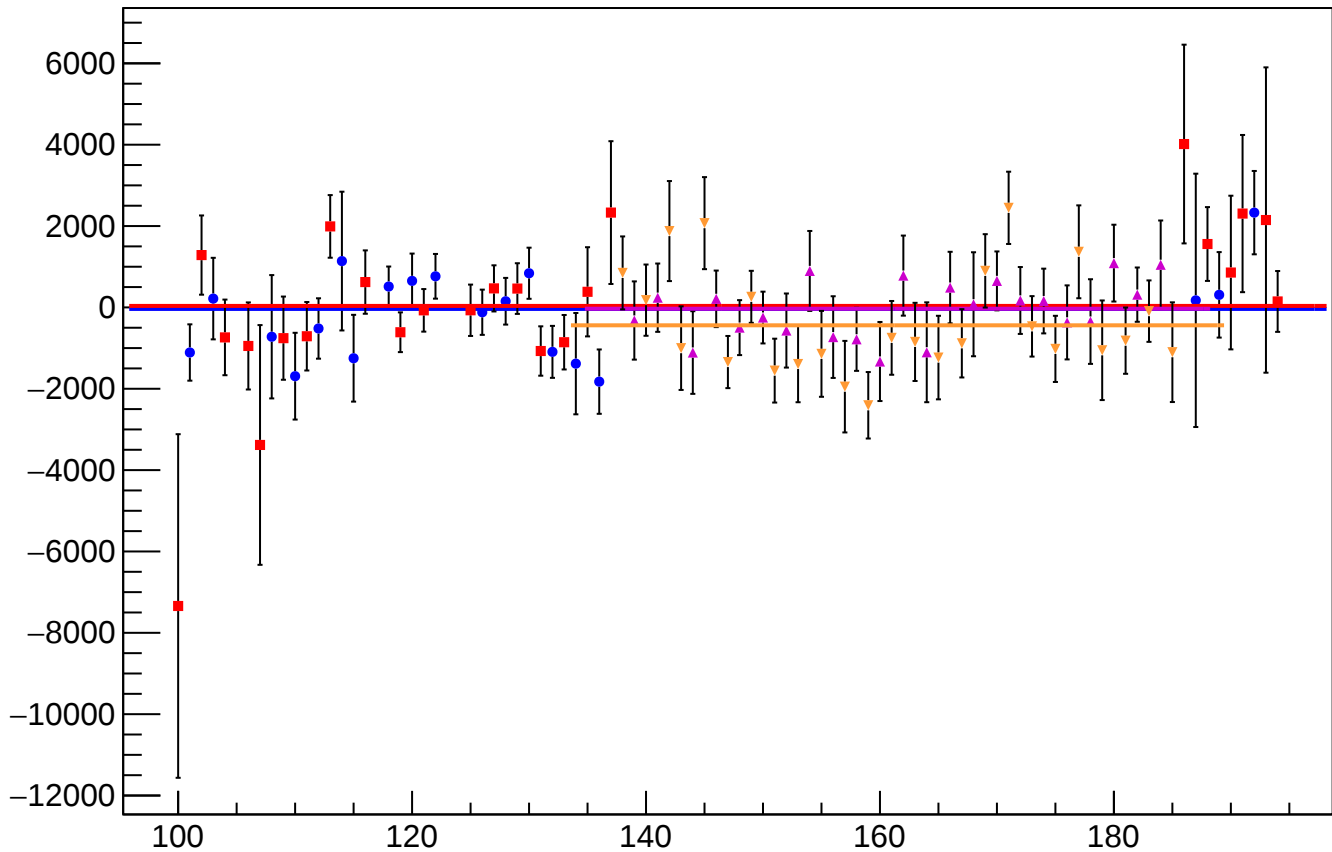
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 567.012+/-0.080 χ^2/NDF : 2469499.3/43

All: 567.977+/-0.057 χ^2/NDF : 5181971.0/90

- sign 568.944+/-0.081 χ^2/NDF : 2712183.8/46

asym_left_avg_correction_mean vs Slug



Right In: -37.138 ± 175.258 χ^2/NDF : 28.2/18

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

Right Out: 36.712 ± 169.309 χ^2/NDF : 33.2/23

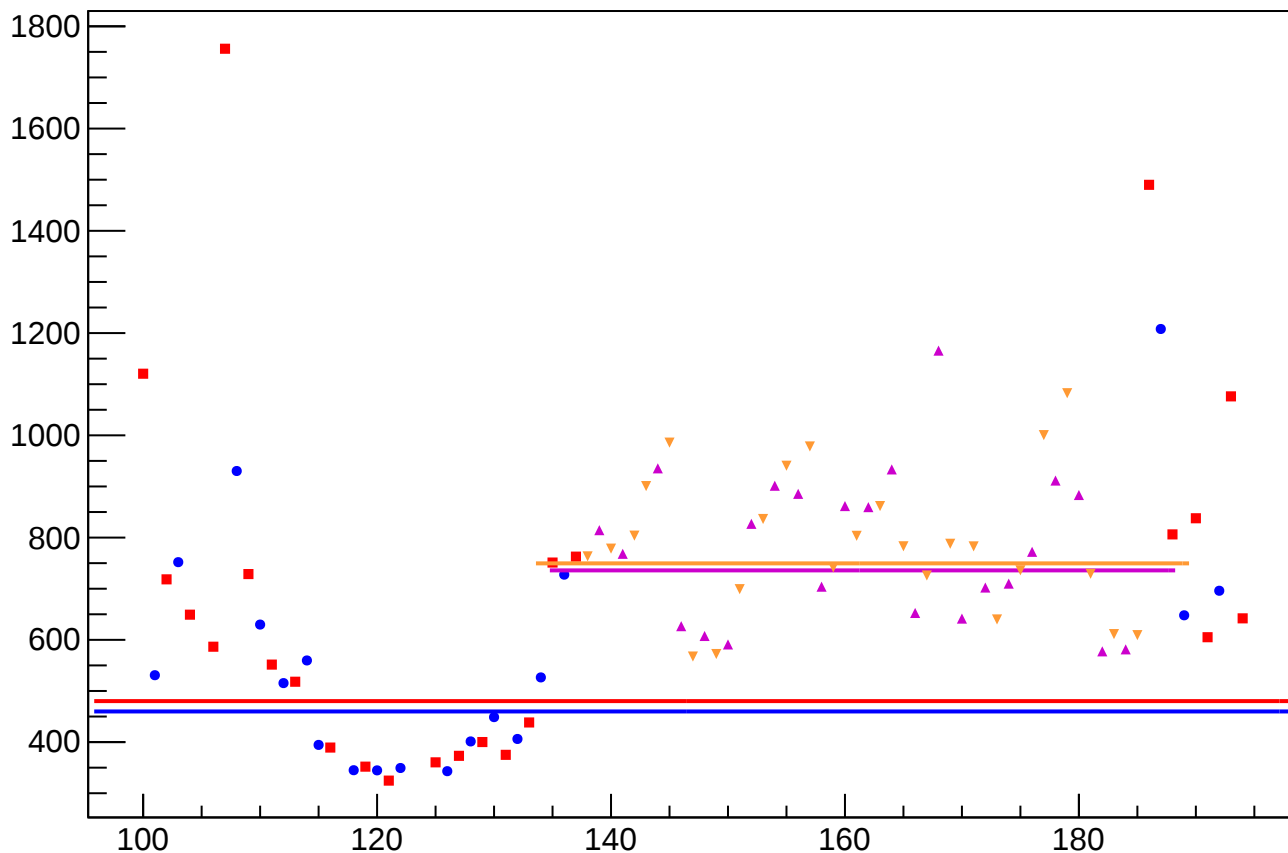
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -235.585 ± 124.844 χ^2/NDF : 74.3/43

All: -114.070 ± 87.670 χ^2/NDF : 121.6/90

- sign 4.155 ± 123.142 χ^2/NDF : 45.4/46

asym_left_avg_correction_rms vs Slug



Right In: 459.947 $\pm$ 0.124 χ^2 /NDF: 1352930.4/18

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

Right Out: 480.193 $\pm$ 0.120 χ^2 /NDF: 2347542.8/23

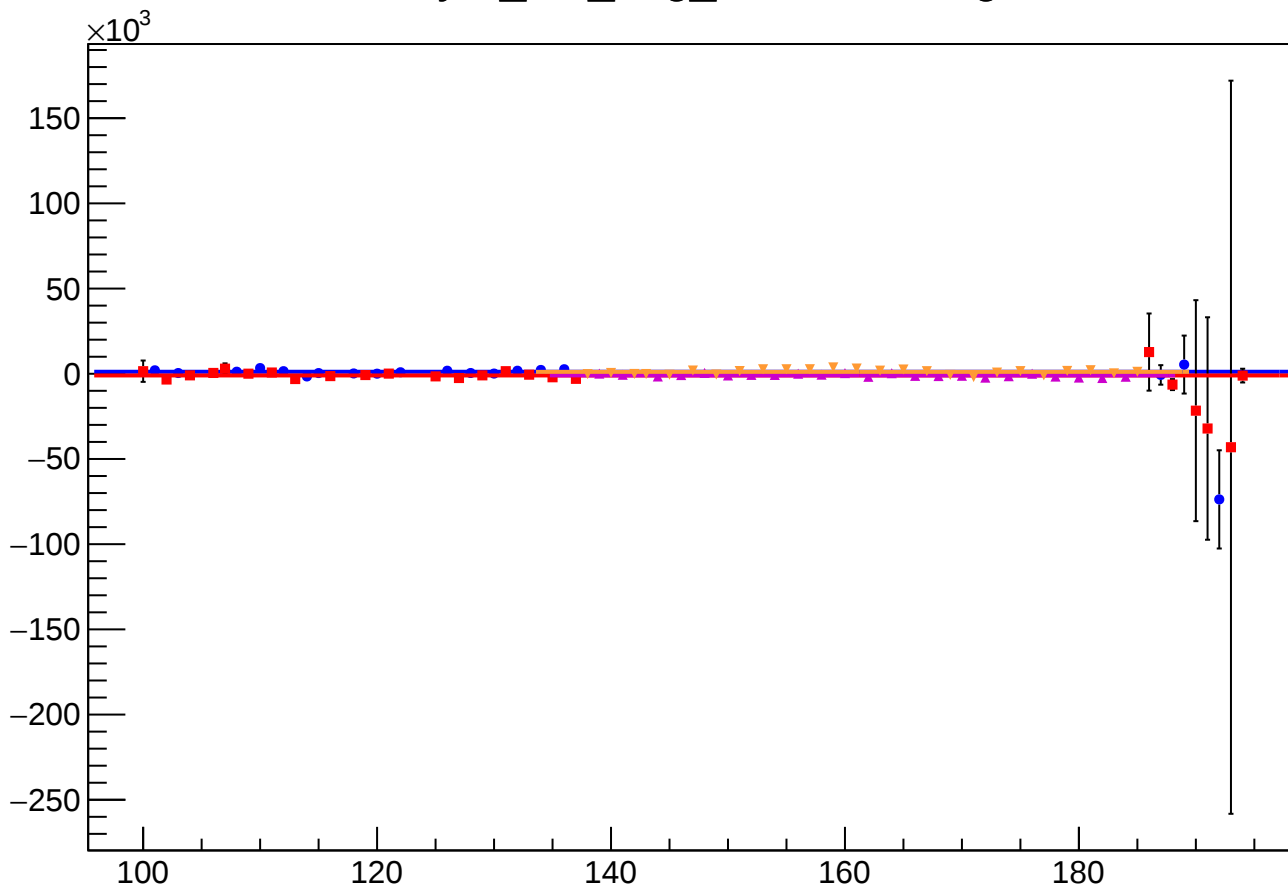
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

+ sign 602.609 $\pm$ 0.088 χ^2 /NDF: 5096853.6/43

All: 601.595 $\pm$ 0.062 χ^2 /NDF: 10697932.3/90

- sign 600.608 $\pm$ 0.087 χ^2 /NDF: 5600818.3/46

asym_left_avg_mean vs Slug



Right In: 1184.584 $\pm$ 295.643 χ^2 /NDF: 18.6/18

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

Right Out: -986.826 $\pm$ 292.200 χ^2 /NDF: 26.6/23

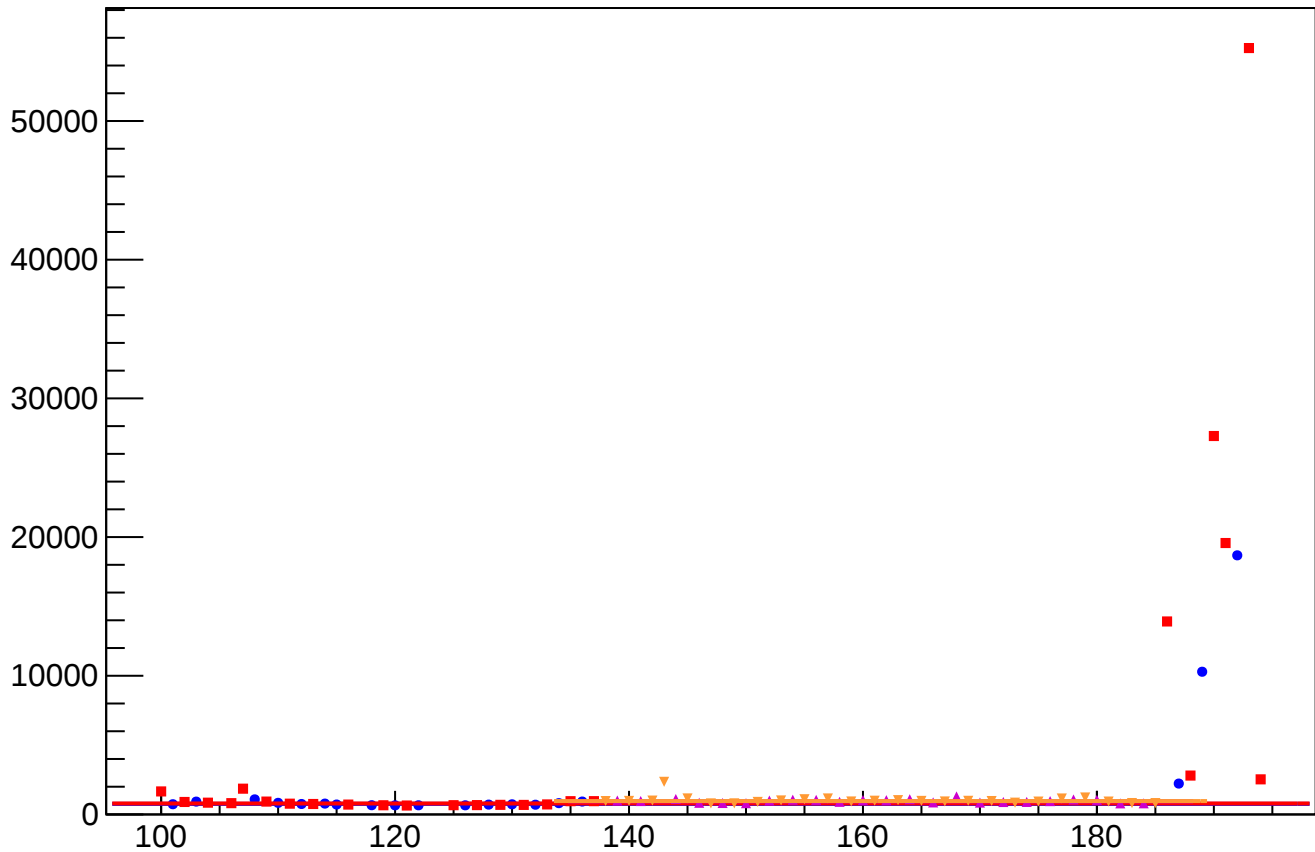
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1149.480 $\pm$ 180.547 χ^2 /NDF: 57.8/43

All: 91.624 $\pm$ 127.441 χ^2 /NDF: 167.6/90

- sign -958.809 $\pm$ 179.912 χ^2 /NDF: 41.4/46

asym_left_avg_rms vs Slug



Right In: 762.509 $\pm$ 0.209 χ^2 /NDF: 1786682.7/18

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

Right Out: 791.630 $\pm$ 0.207 χ^2 /NDF: 2998430.0/23

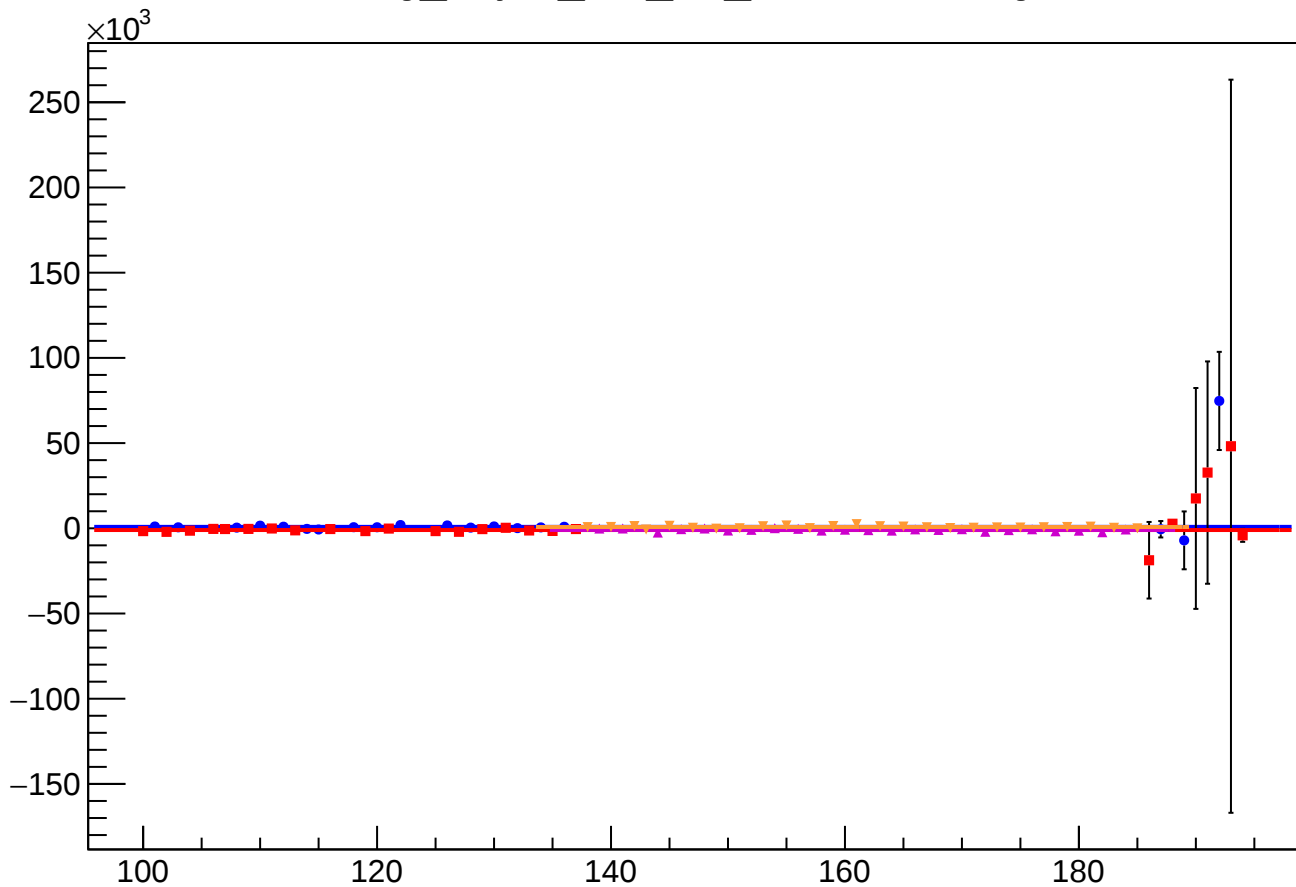
Left In: 946.573 $\pm$ 0.161 χ^2 /NDF:501366.9/22

+ sign 889.164 $\pm$ 0.128 χ^2 /NDF: 3374823.3/43

All: 888.496 $\pm$ 0.090 χ^2 /NDF: 7223840.6/90

- sign 887.833 $\pm$ 0.127 χ^2 /NDF: 3848962.8/46

reg_asym_left_dd_mean vs Slug



Right In: 845.422 ± 216.255 χ^2/NDF : 13.0/18

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

Right Out: -1013.189 ± 207.351 χ^2/NDF : 15.8/23

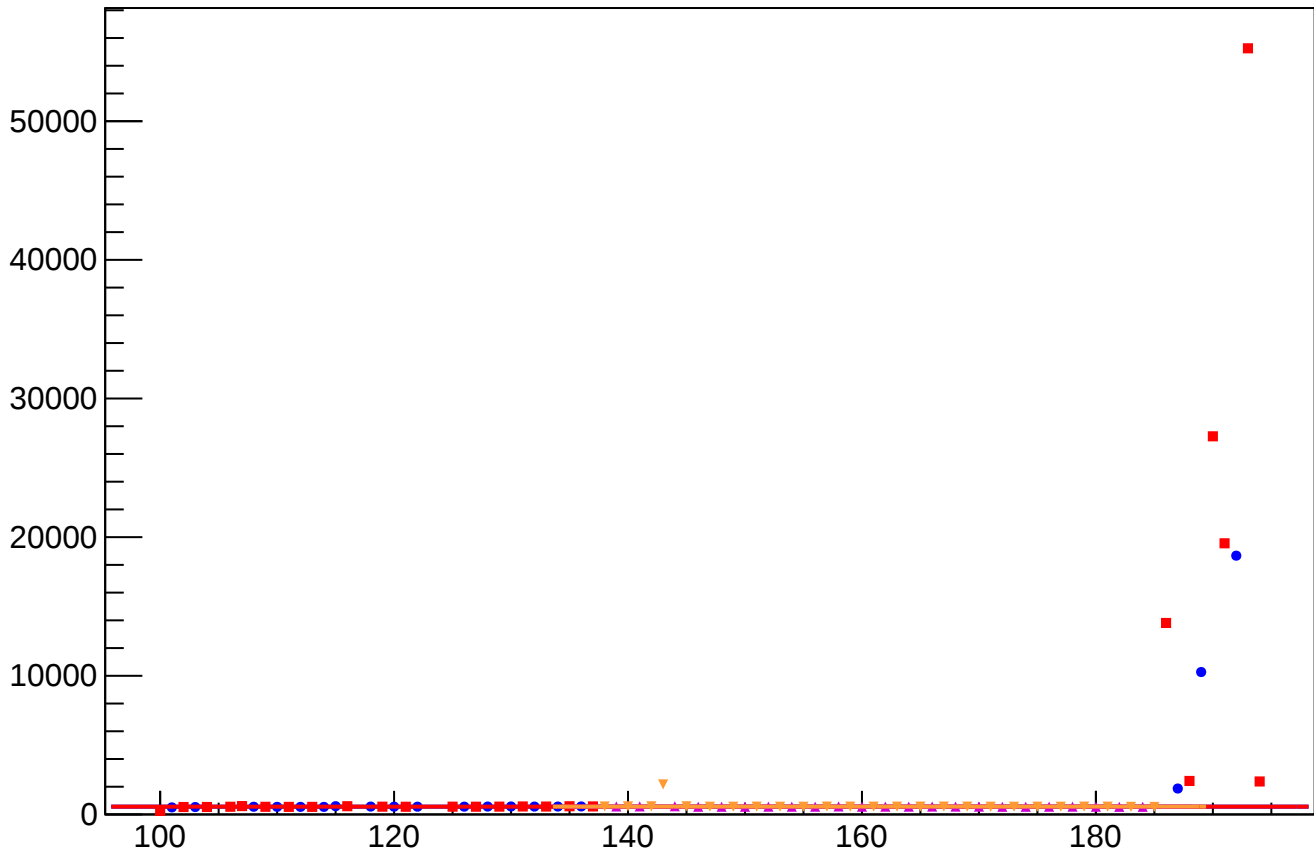
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 778.793 ± 113.749 χ^2/NDF : 34.5/43

All: -103.531 ± 80.178 χ^2/NDF : 196.7/90

- sign -974.763 ± 113.031 χ^2/NDF : 42.6/46

reg_asym_left_dd_rms vs Slug



Right In: 561.693 $\pm$ 0.153 χ^2 /NDF: 1615561.0/18

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

Right Out: 563.245 $\pm$ 0.147 χ^2 /NDF: 2875469.6/23

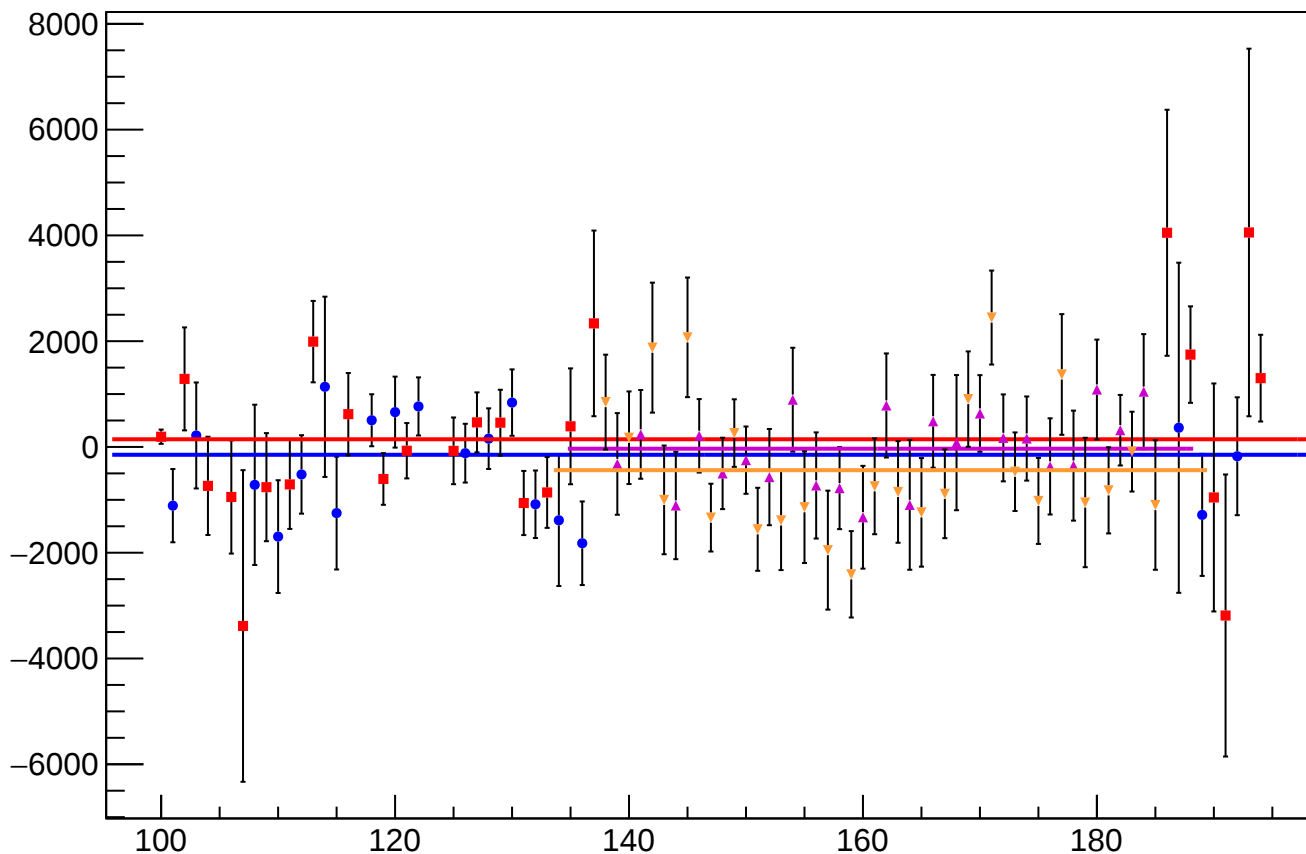
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

+ sign 566.544 $\pm$ 0.080 χ^2 /NDF: 2470965.2/43

All: 565.128 $\pm$ 0.057 χ^2 /NDF: 5356271.4/90

- sign 563.729 $\pm$ 0.080 χ^2 /NDF: 2884689.8/46

asym_left_dd_correction_mean vs Slug



Right In: -148.073+/-175.997 χ^2/NDF : 23.5/18

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

Right Out: 145.140+/-105.832 χ^2/NDF : 34.8/23

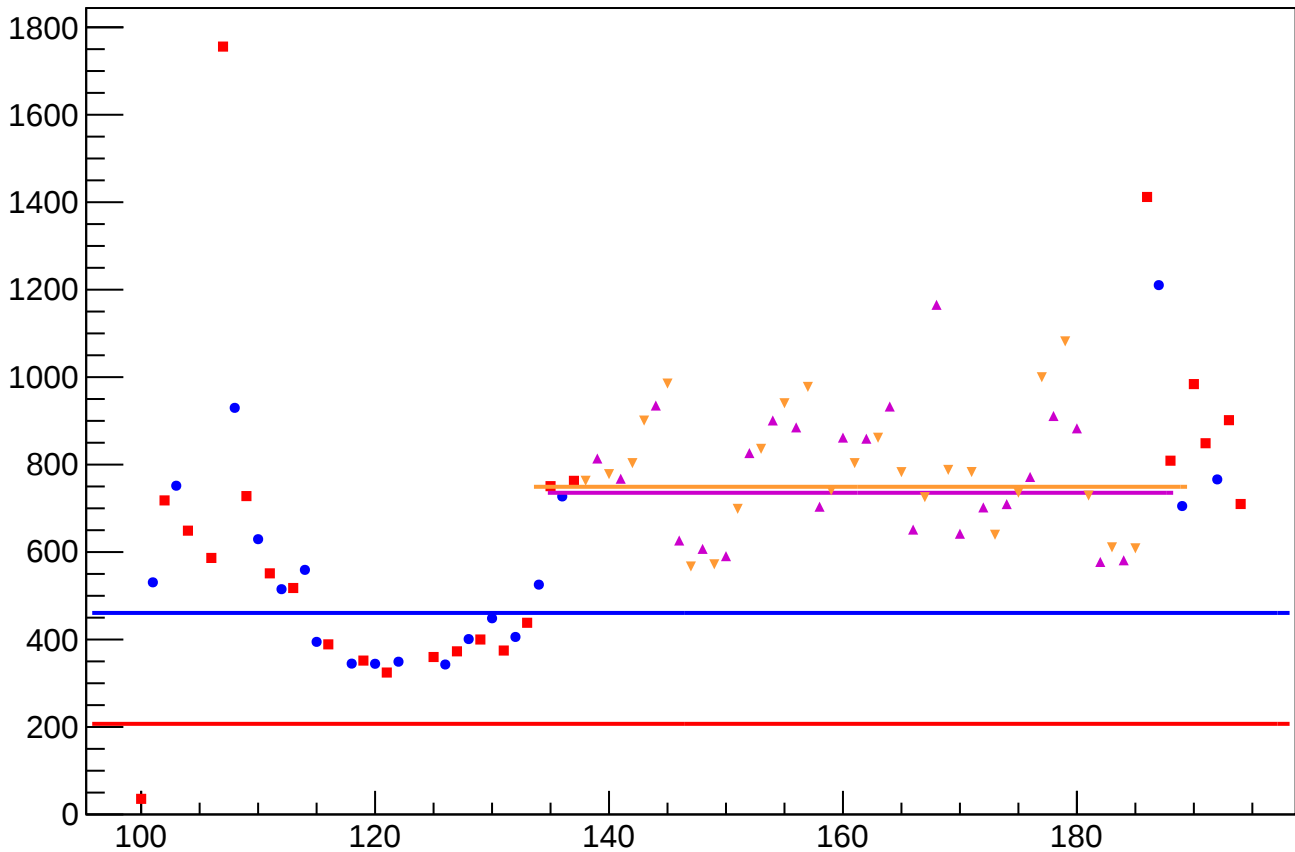
Left In: -33.325+/-179.355 χ^2/NDF : 12.1/22

+ sign -292.374+/-125.084 χ^2/NDF : 68.5/43

All: -36.706+/-73.664 χ^2/NDF : 122.6/90

- sign 99.050+/-91.147 χ^2/NDF : 47.7/46

asym_left_dd_correction_rms vs Slug



Right In: 460.826 $\pm$ 0.124 χ^2 /NDF: 1424417.9/18

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

Right Out: 207.203 $\pm$ 0.075 χ^2 /NDF: 10780817.9/23

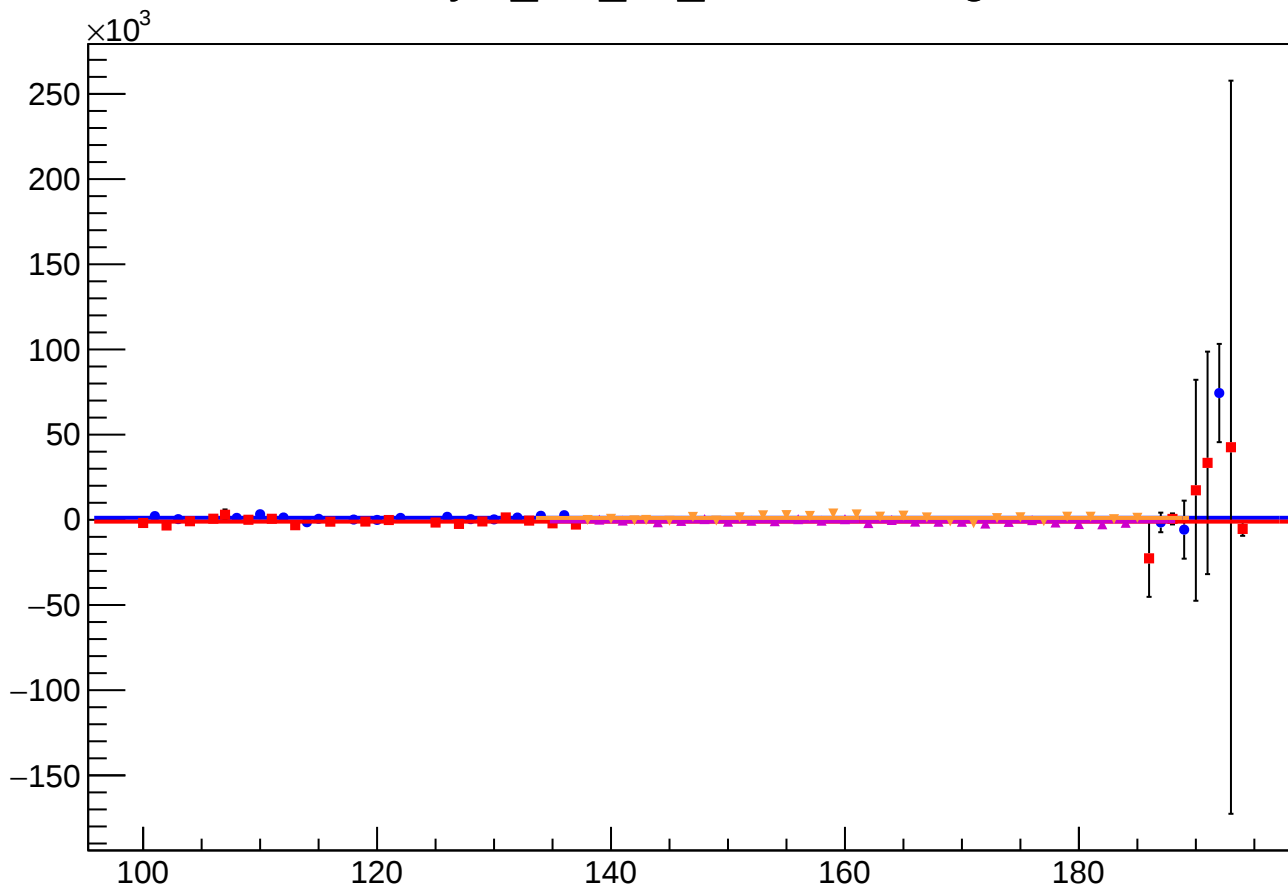
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF: 1105222.3/22

+ sign 603.572 $\pm$ 0.088 χ^2 /NDF: 5137289.2/43

All: 433.799 $\pm$ 0.052 χ^2 /NDF: 35537000.7/90

- sign 343.652 $\pm$ 0.064 χ^2 /NDF: 24759047.0/46

asym_left_dd_mean vs Slug



Right In: 1185.378 ± 295.446 χ^2/NDF : 18.5/18

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

Right Out: -1058.643 ± 279.873 χ^2/NDF : 25.1/23

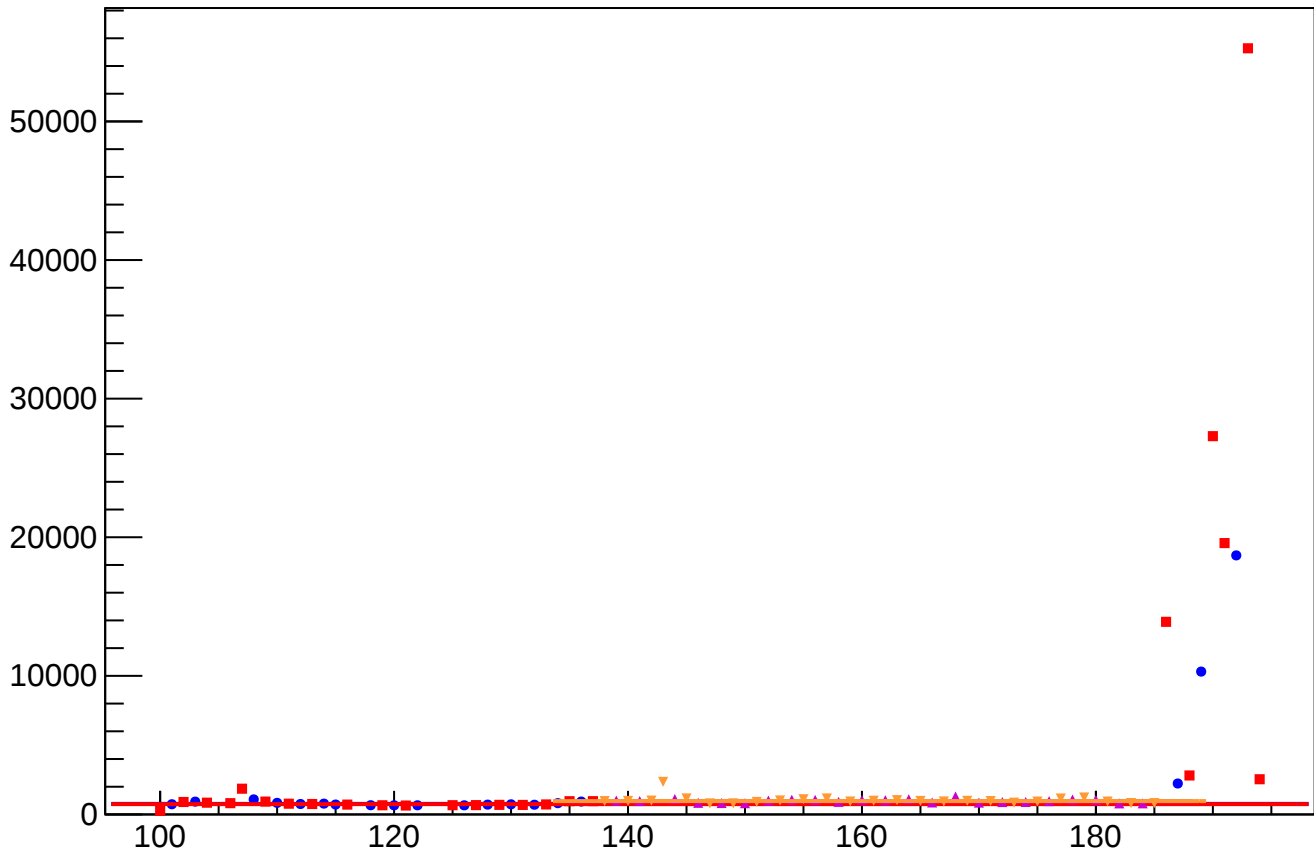
Left In: -926.281 ± 228.196 χ^2/NDF : 15.1/22

+ sign 1129.669 ± 180.436 χ^2/NDF : 57.0/43

All: 54.155 ± 126.304 χ^2/NDF : 167.0/90

- sign -979.137 ± 176.859 χ^2/NDF : 40.4/46

asym_left_dd_rms vs Slug



Right In: 761.970+/-0.209 χ^2/NDF : 1788082.7/18

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

Right Out: 744.754+/-0.198 χ^2/NDF : 3517333.1/23

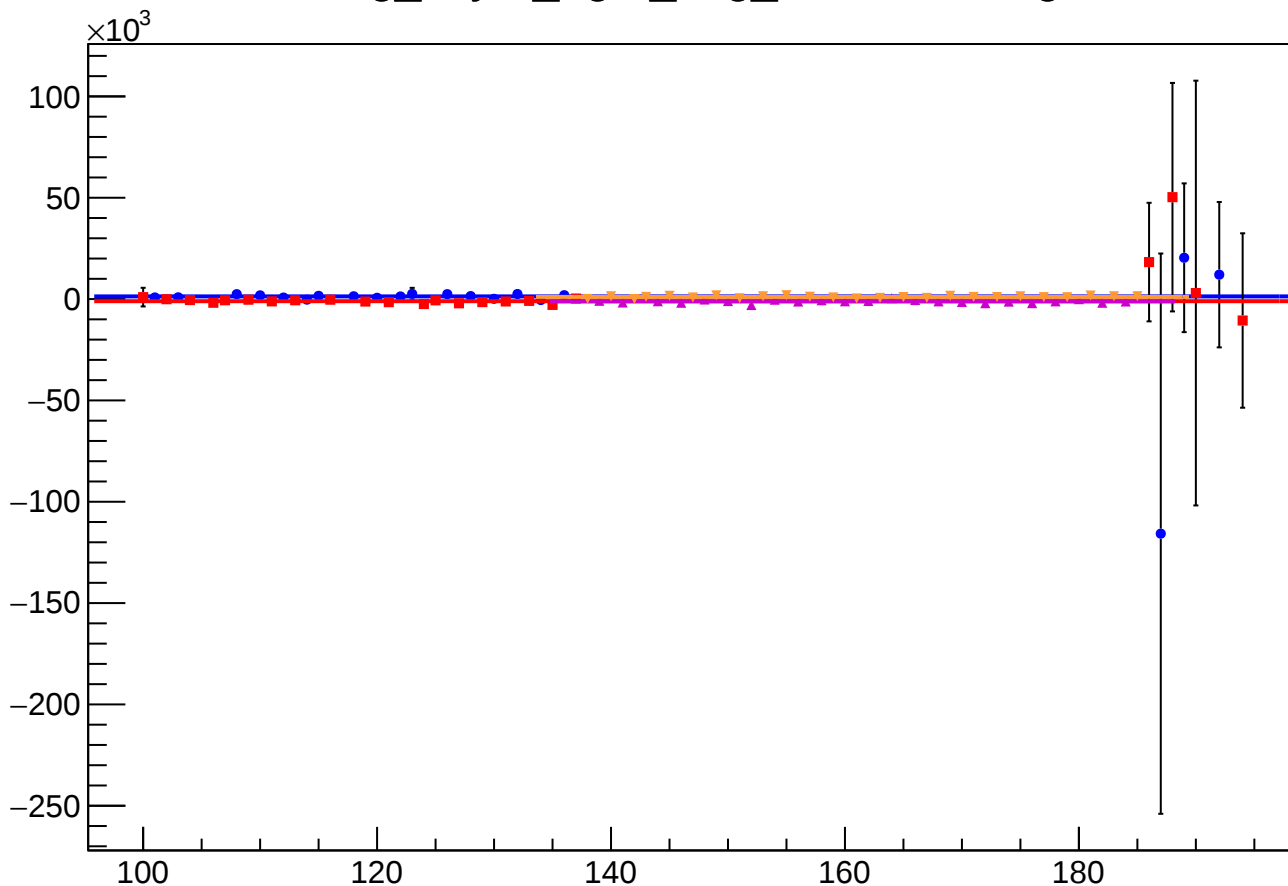
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 888.604+/-0.128 χ^2/NDF : 3377179.0/43

All: 876.903+/-0.089 χ^2/NDF : 8033852.9/90

- sign 865.661+/-0.125 χ^2/NDF : 4640182.0/46

reg_asym_right_avg_mean vs Slug



Right In: 1324.833+/-218.592 χ^2/NDF : 13.9/19

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

Right Out: -1038.976+/-212.069 χ^2/NDF : 14.8/22

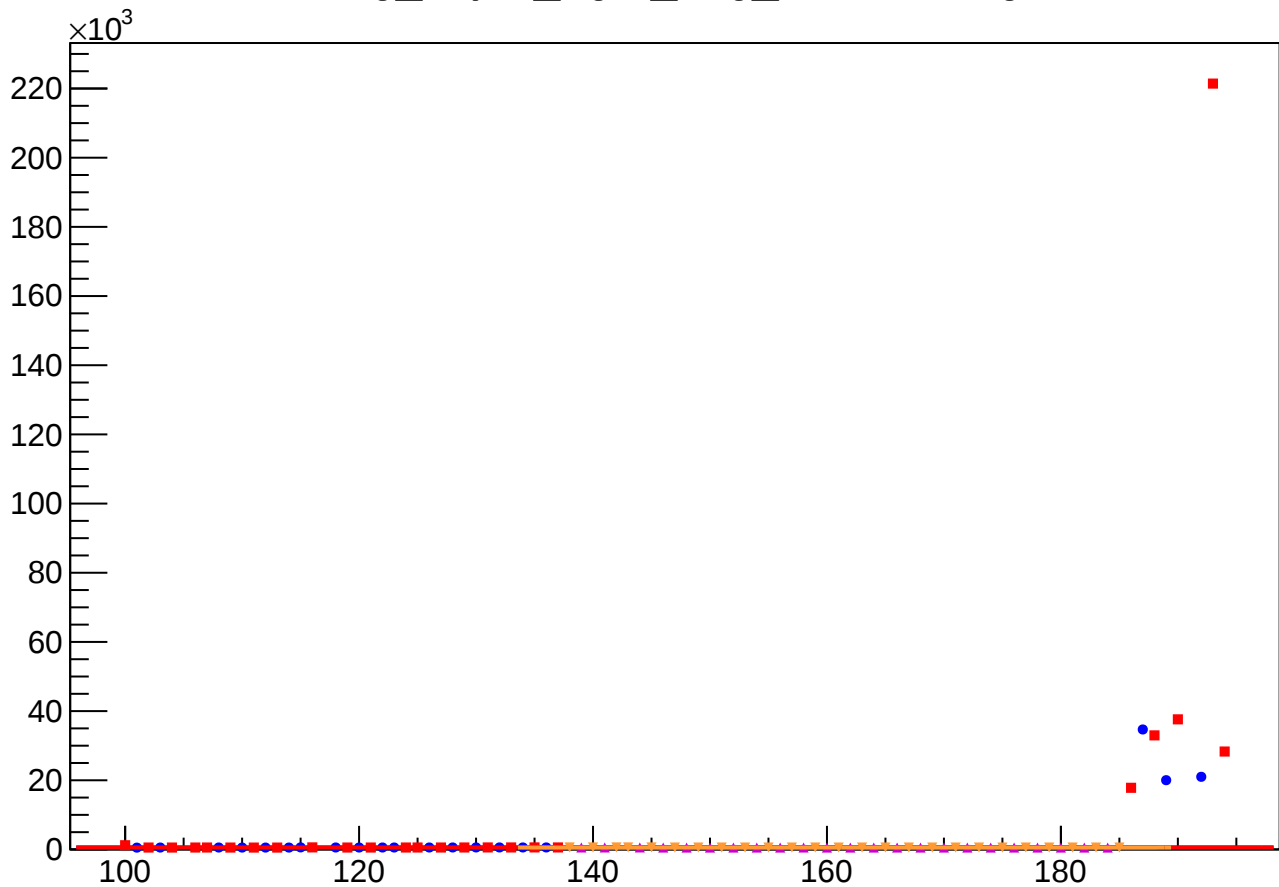
Left In: -1123.857+/-133.163 χ^2/NDF :30.0/22

+ sign 1139.029+/-111.537 χ^2/NDF : 30.0/44

All: 31.937+/-79.302 χ^2/NDF : 274.2/90

- sign -1099.853+/-112.774 χ^2/NDF : 44.9/45

reg_asym_right_avg_rms vs Slug



Right In: 565.066 $\pm$ 0.155 χ^2 /NDF: 1356634.4/19

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

Right Out: 567.559 $\pm$ 0.150 χ^2 /NDF: 2642802.8/23

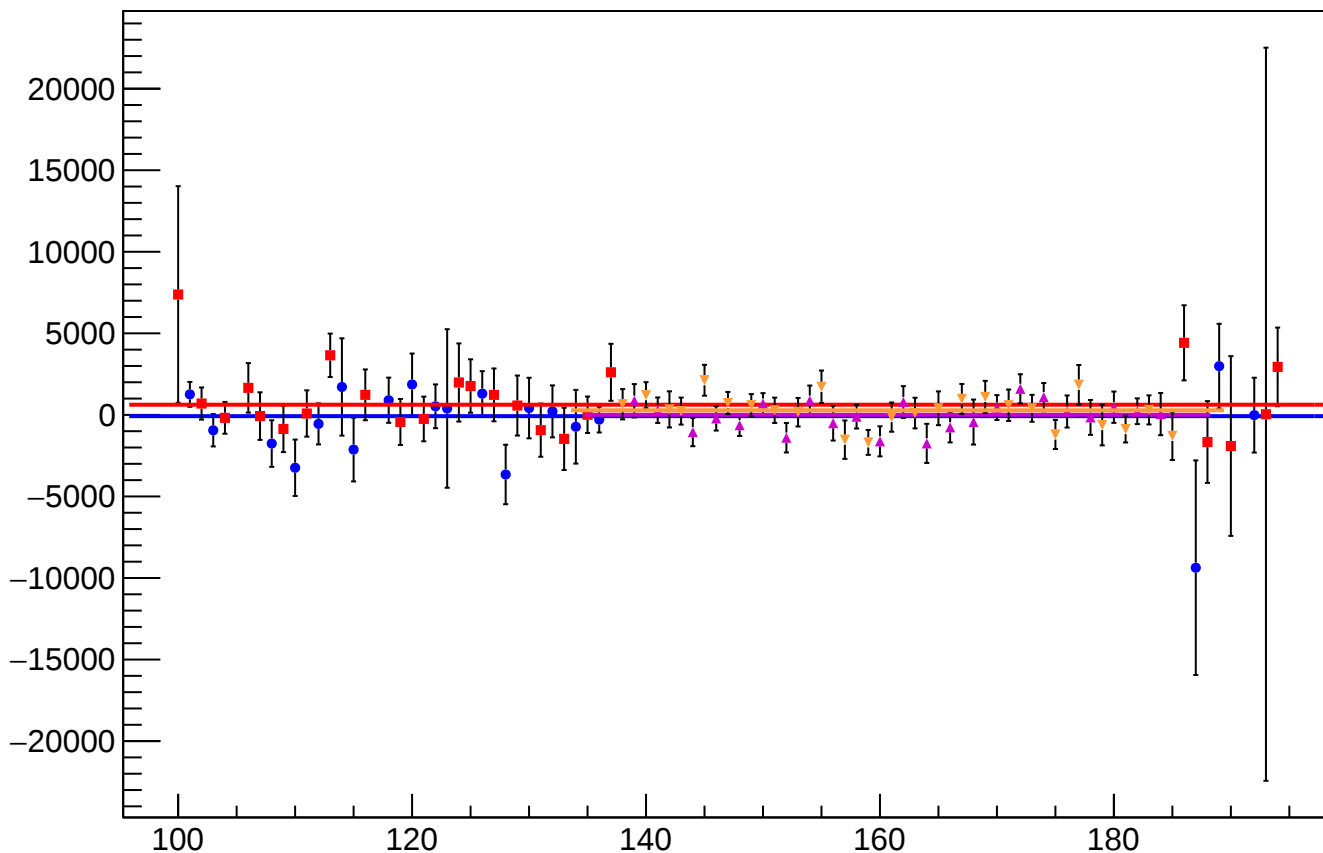
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 559.495 $\pm$ 0.079 χ^2 /NDF: 1373143.4/44

All: 559.727 $\pm$ 0.056 χ^2 /NDF: 4030750.0/91

- sign 559.964 $\pm$ 0.080 χ^2 /NDF: 2657589.2/46

asym_right_avg_correction_mean vs Slug



Right In: -77.716 ± 322.053 χ^2/NDF : 20.4/19

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

Right Out: 623.578 ± 323.190 χ^2/NDF : 19.3/23

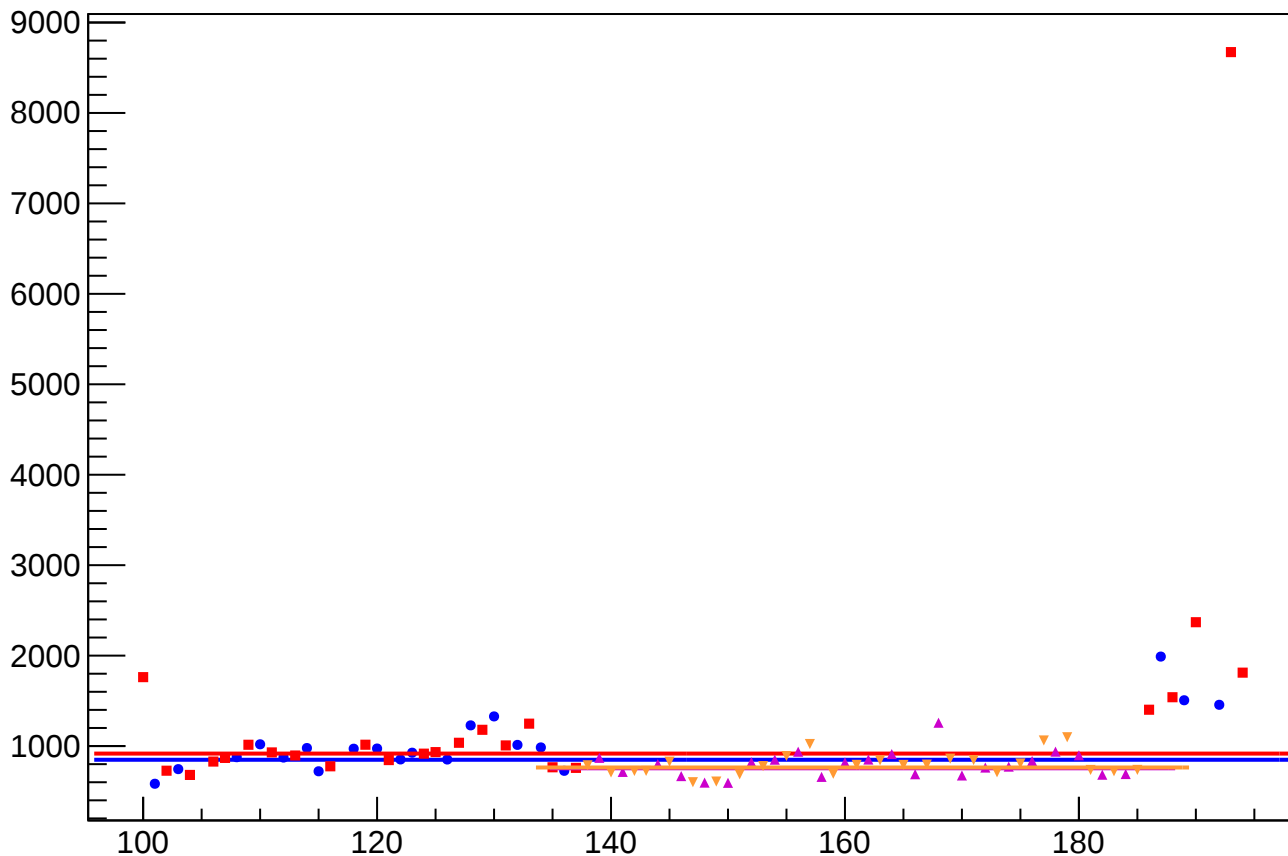
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 195.975 ± 157.405 χ^2/NDF : 48.1/44

All: 177.278 ± 112.034 χ^2/NDF : 90.3/91

- sign 158.080 ± 159.495 χ^2/NDF : 42.2/46

asym_right_avg_correction_rms vs Slug



Right In: 848.472 ± 0.228 χ^2/NDF : 948132.3/19

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

Right Out: 916.847 ± 0.229 χ^2/NDF : 1312411.3/23

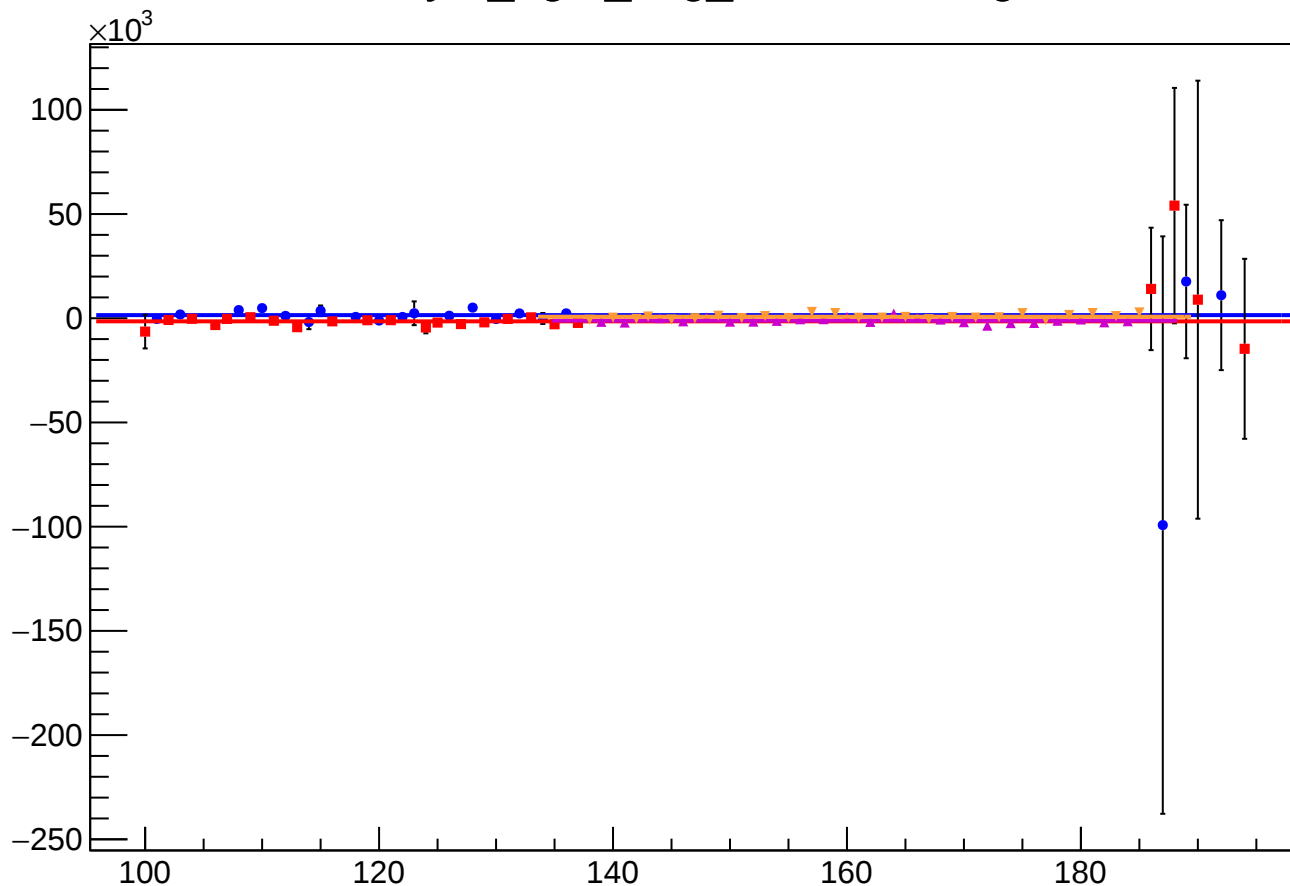
Left In: 754.099 ± 0.130 χ^2/NDF : 931829.3/22

+ sign 783.482 ± 0.111 χ^2/NDF : 1808839.4/44

All: 788.541 ± 0.079 χ^2/NDF : 4440914.5/91

- sign 793.735 ± 0.113 χ^2/NDF : 2627887.9/46

asym_right_avg_mean vs Slug



Right In: 1500.245 ± 402.616 χ^2/NDF : 17.9/19

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

Right Out: -1483.046 ± 400.651 χ^2/NDF : 13.4/22

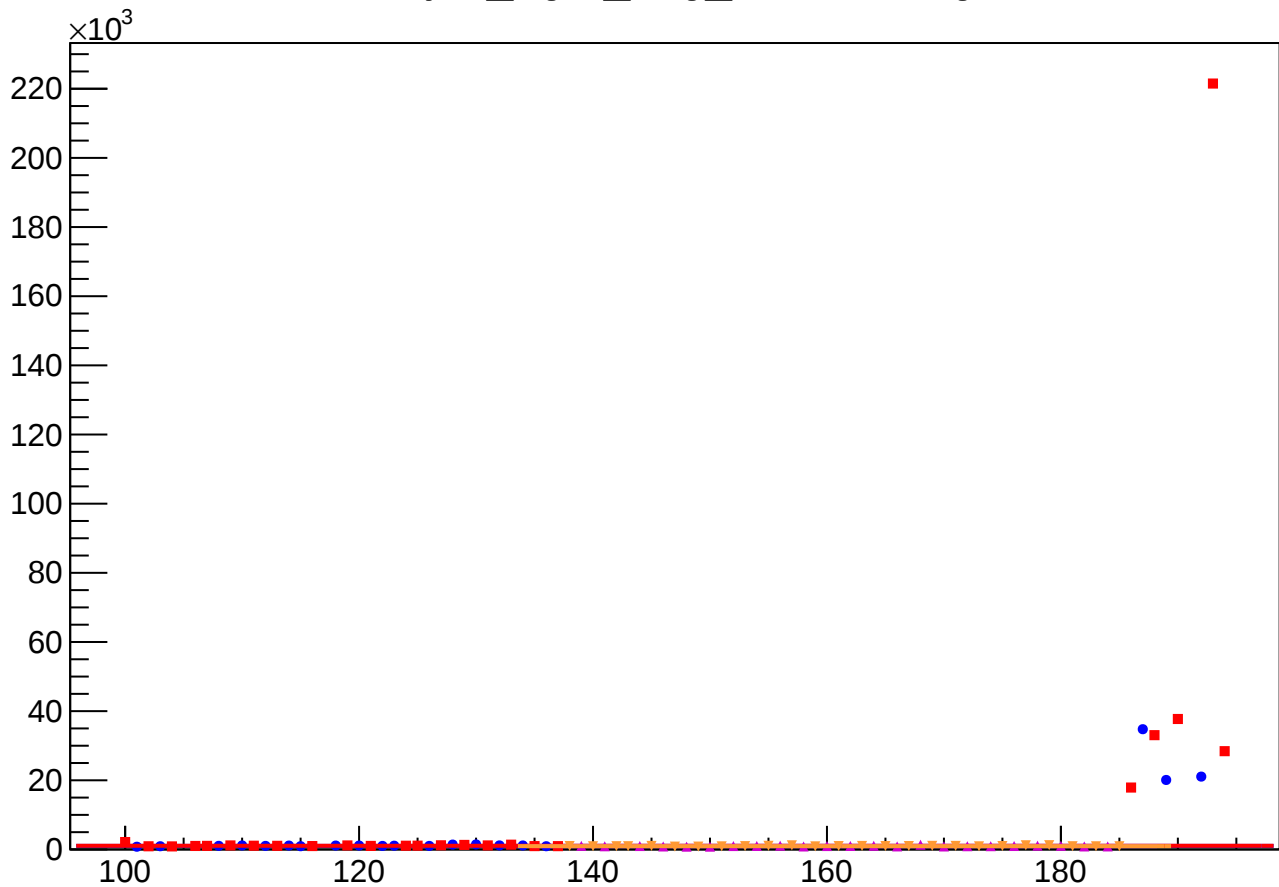
Left In: -1124.587 ± 230.065 χ^2/NDF : 25.4/22

+ sign 921.308 ± 196.766 χ^2/NDF : 42.1/44

All: -131.295 ± 140.095 χ^2/NDF : 139.5/90

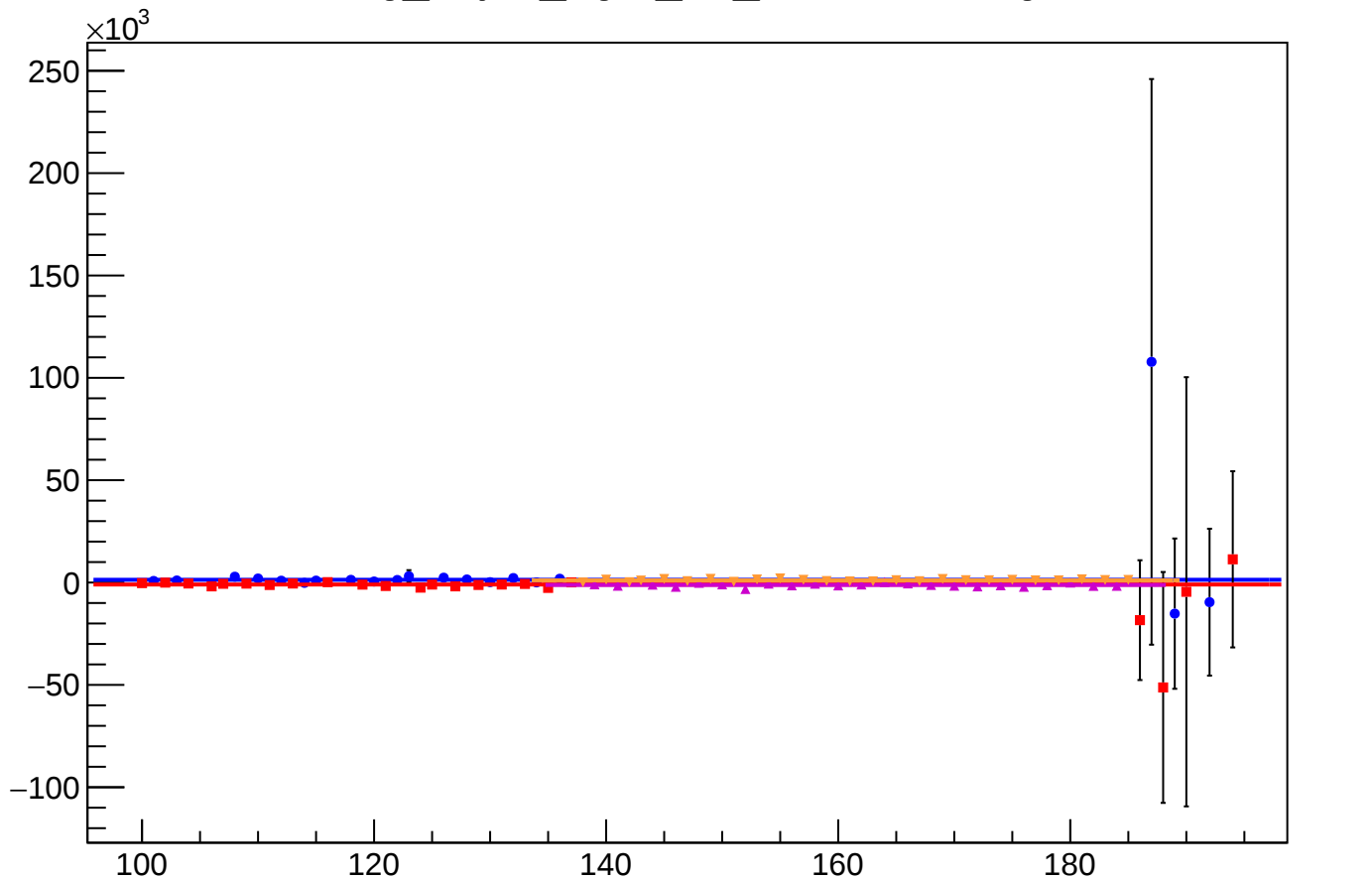
- sign -1213.475 ± 199.511 χ^2/NDF : 39.3/45

asym_right_avg_rms vs Slug



Right In: 1027.118 ± 0.285 $\chi^2/\text{NDF}: 1622707.9/19$ + sign 977.748 ± 0.139 $\chi^2/\text{NDF}: 2025156.1/44$
 Left Out: 962.256 ± 0.159 $\chi^2/\text{NDF}: 362937.6/24$ All: 979.931 ± 0.099 $\chi^2/\text{NDF}: 5315899.0/91$
 Right Out: 1065.676 ± 0.283 $\chi^2/\text{NDF}: 2731334.8/23$ - sign 982.176 ± 0.141 $\chi^2/\text{NDF}: 3290243.4/46$
 Left In: 954.643 ± 0.163 $\chi^2/\text{NDF}: 443395.0/22$

reg_asym_right_dd_mean vs Slug



Right In: 1344.674 $\pm$ 218.846 χ^2 /NDF: 12.9/19

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

Right Out: -966.736 $\pm$ 208.604 χ^2 /NDF: 13.4/22

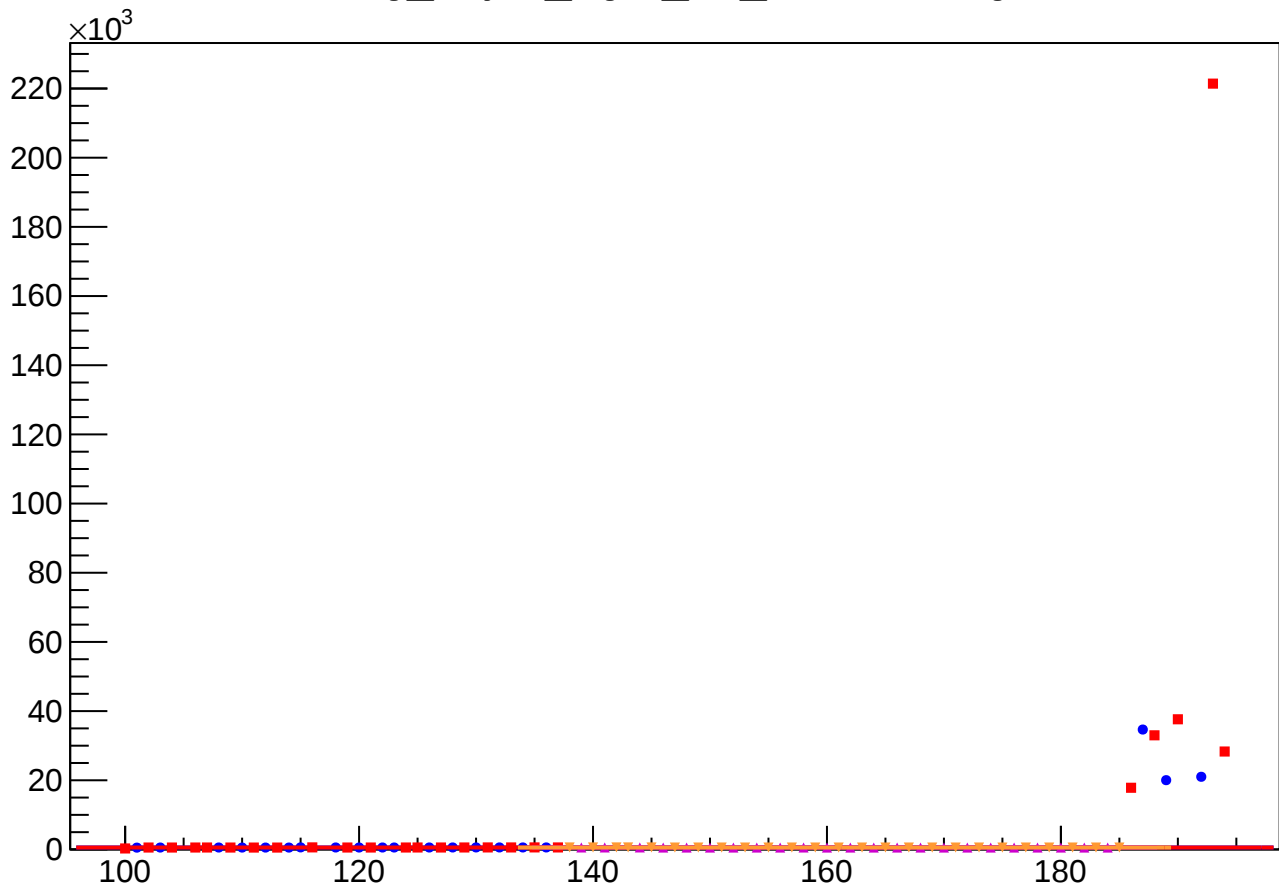
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.535 $\pm$ 111.654 χ^2 /NDF: 28.9/44

All: 21.735 $\pm$ 79.190 χ^2 /NDF: 282.4/90

- sign -1124.889 $\pm$ 112.333 χ^2 /NDF: 46.4/45

reg_asym_right_dd_rms vs Slug



Right In: 565.722 $\pm$ 0.155 χ^2 /NDF: 1356681.2/19

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

Right Out: 556.622 $\pm$ 0.148 χ^2 /NDF: 2728186.7/23

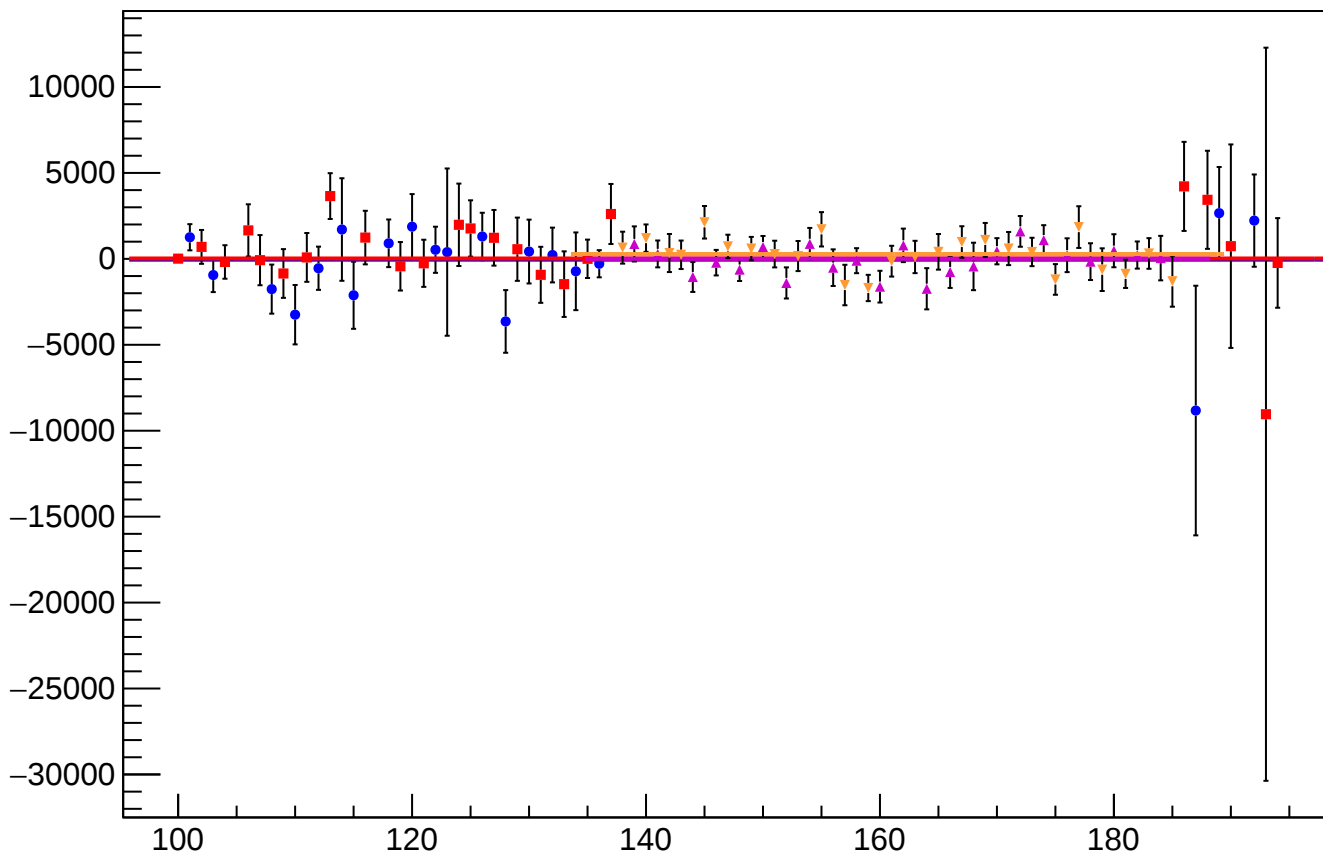
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

+ sign 560.083 $\pm$ 0.079 χ^2 /NDF: 1373261.2/44

All: 558.707 $\pm$ 0.056 χ^2 /NDF: 4113367.1/91

- sign 557.314 $\pm$ 0.079 χ^2 /NDF: 2739494.4/46

asym_right_dd_correction_mean vs Slug



Right In: -46.037 ± 323.241 χ^2/NDF : 20.2/19

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

Right Out: 21.607 ± 38.942 χ^2/NDF : 20.1/23

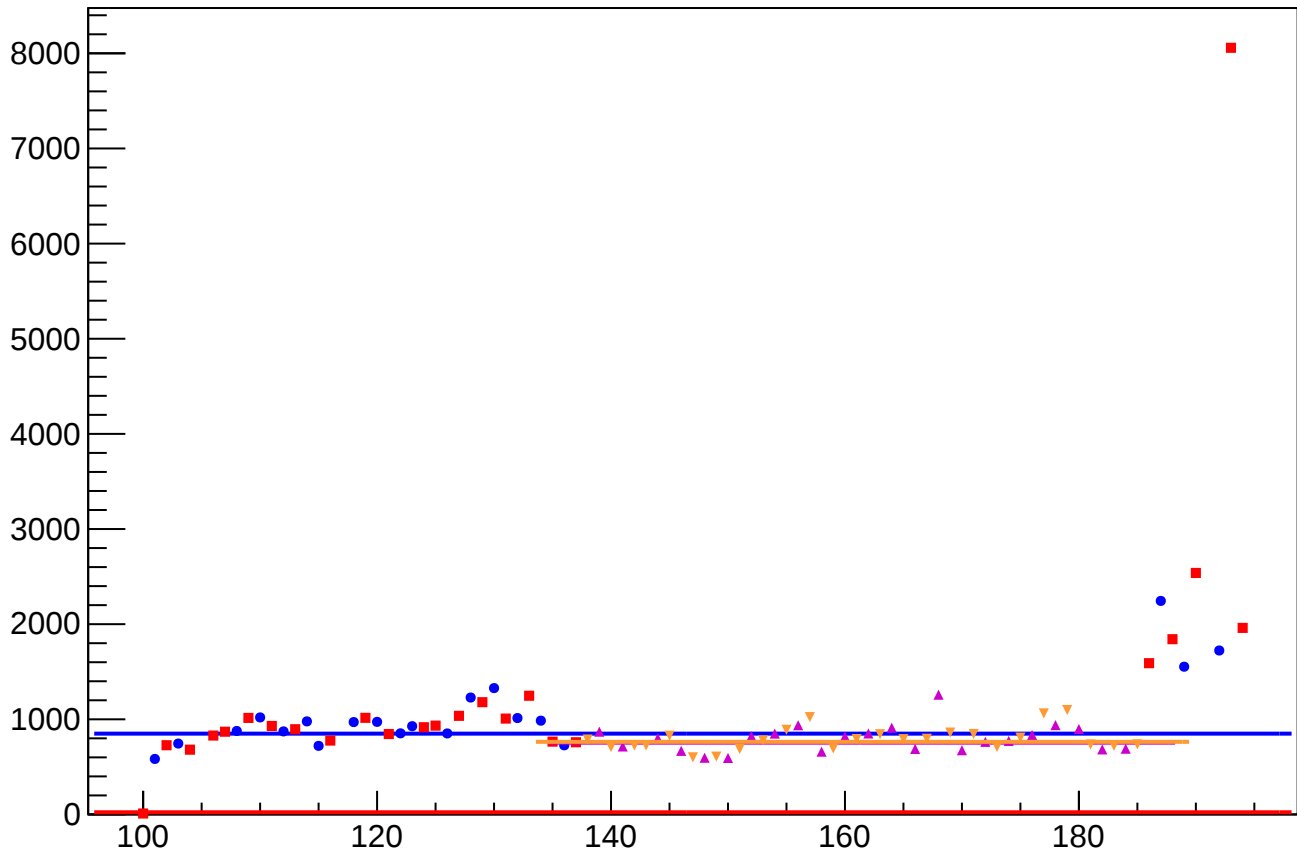
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 203.585 ± 157.580 χ^2/NDF : 47.8/44

All: 31.072 ± 37.027 χ^2/NDF : 89.4/91

- sign 20.991 ± 38.093 χ^2/NDF : 40.3/46

asym_right_dd_correction_rms vs Slug



Right In: 849.365+/-0.229 χ^2/NDF : 1042740.4/19

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

Right Out: 23.033+/-0.028 χ^2/NDF : 16776106.9/23

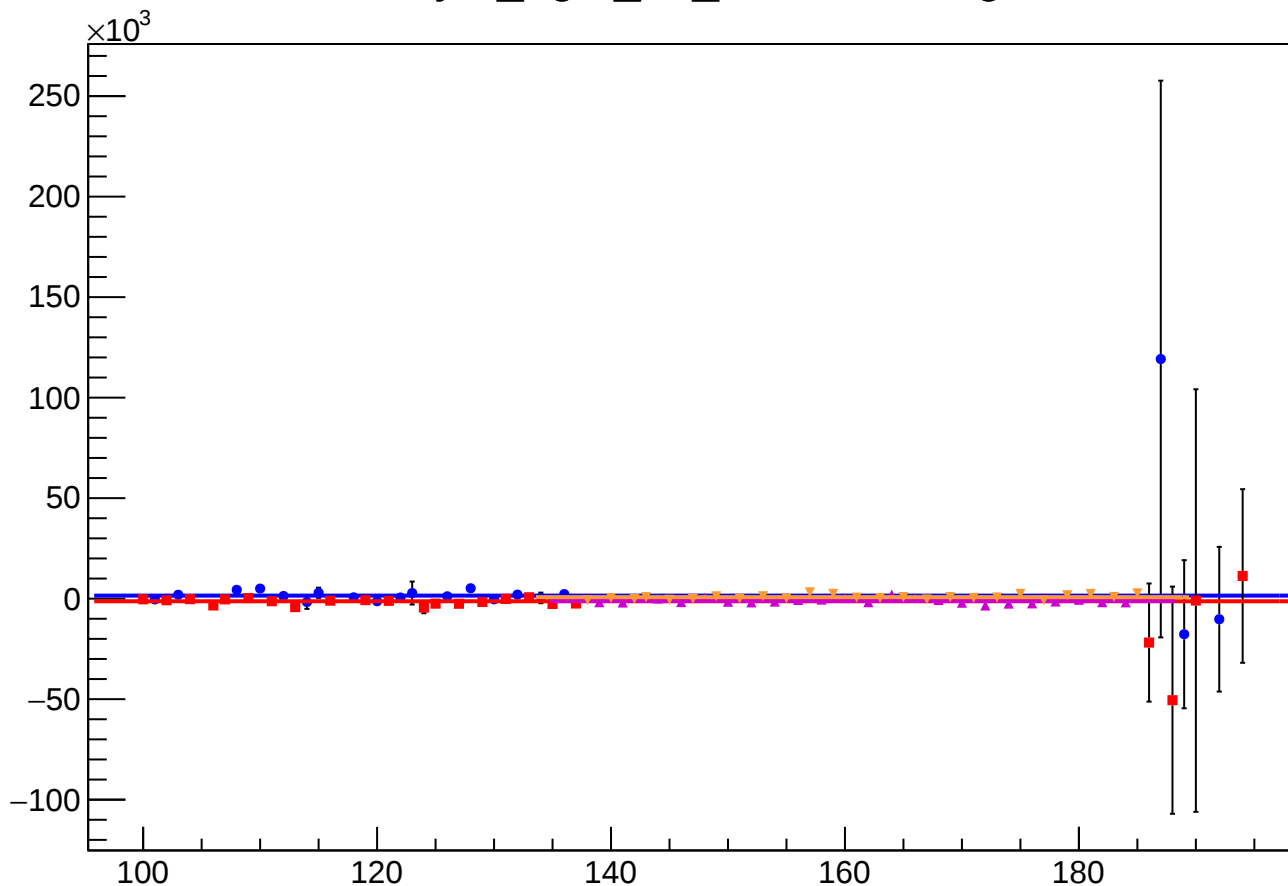
Left In: 754.483+/-0.130 χ^2/NDF : 931536.8/22

+ sign 783.759+/-0.111 χ^2/NDF : 1904540.4/44

All: 94.823+/-0.026 χ^2/NDF : 90491710.5/91

- sign 54.563+/-0.027 χ^2/NDF : 48124748.3/46

asym_right_dd_mean vs Slug



Right In: 1516.714 $\pm$ 402.839 χ^2 /NDF: 18.9/19

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

Right Out: -1292.138 $\pm$ 376.623 χ^2 /NDF: 13.7/22

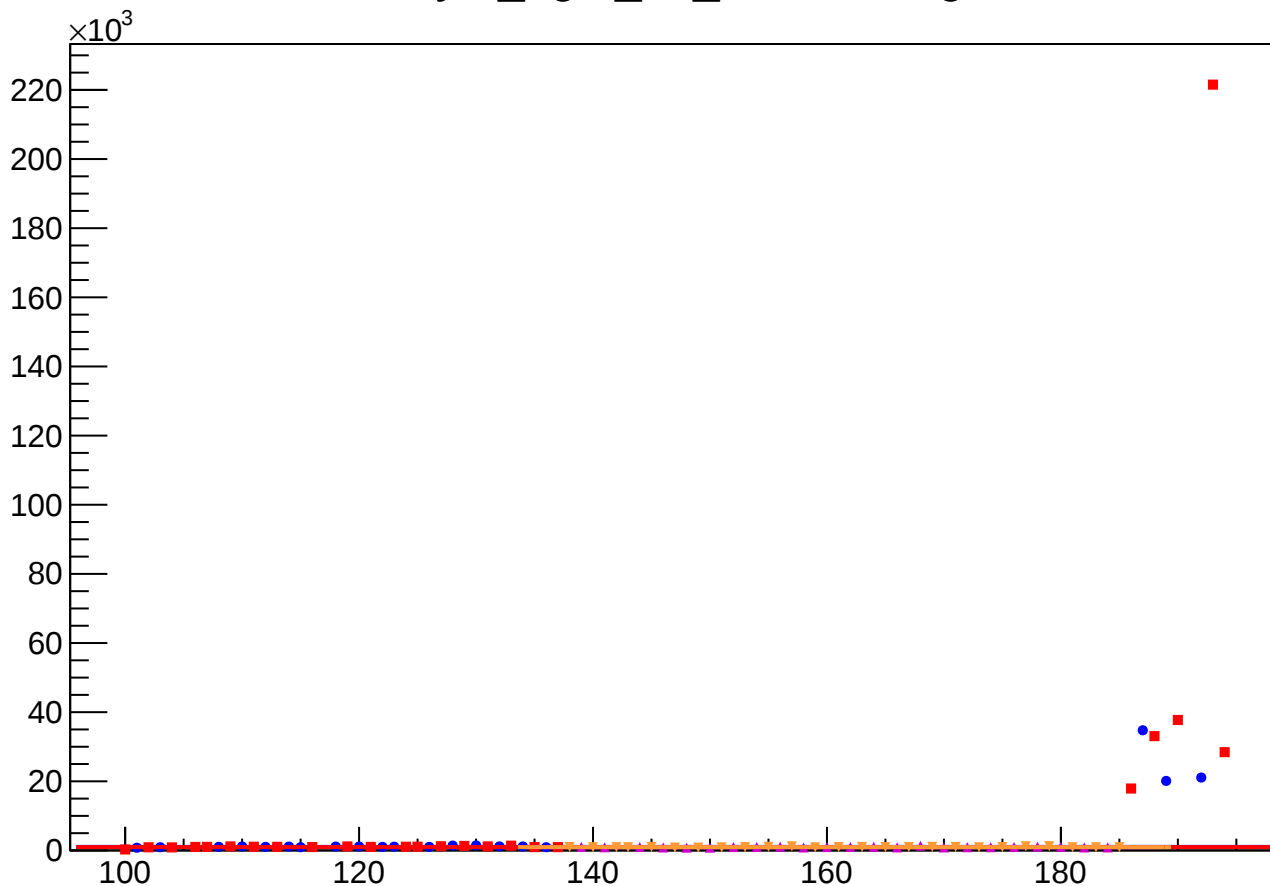
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

+ sign 927.662 $\pm$ 196.874 χ^2 /NDF: 42.0/44

All: -142.459 $\pm$ 139.055 χ^2 /NDF: 138.9/90

- sign -1207.803 $\pm$ 196.434 χ^2 /NDF: 38.0/45

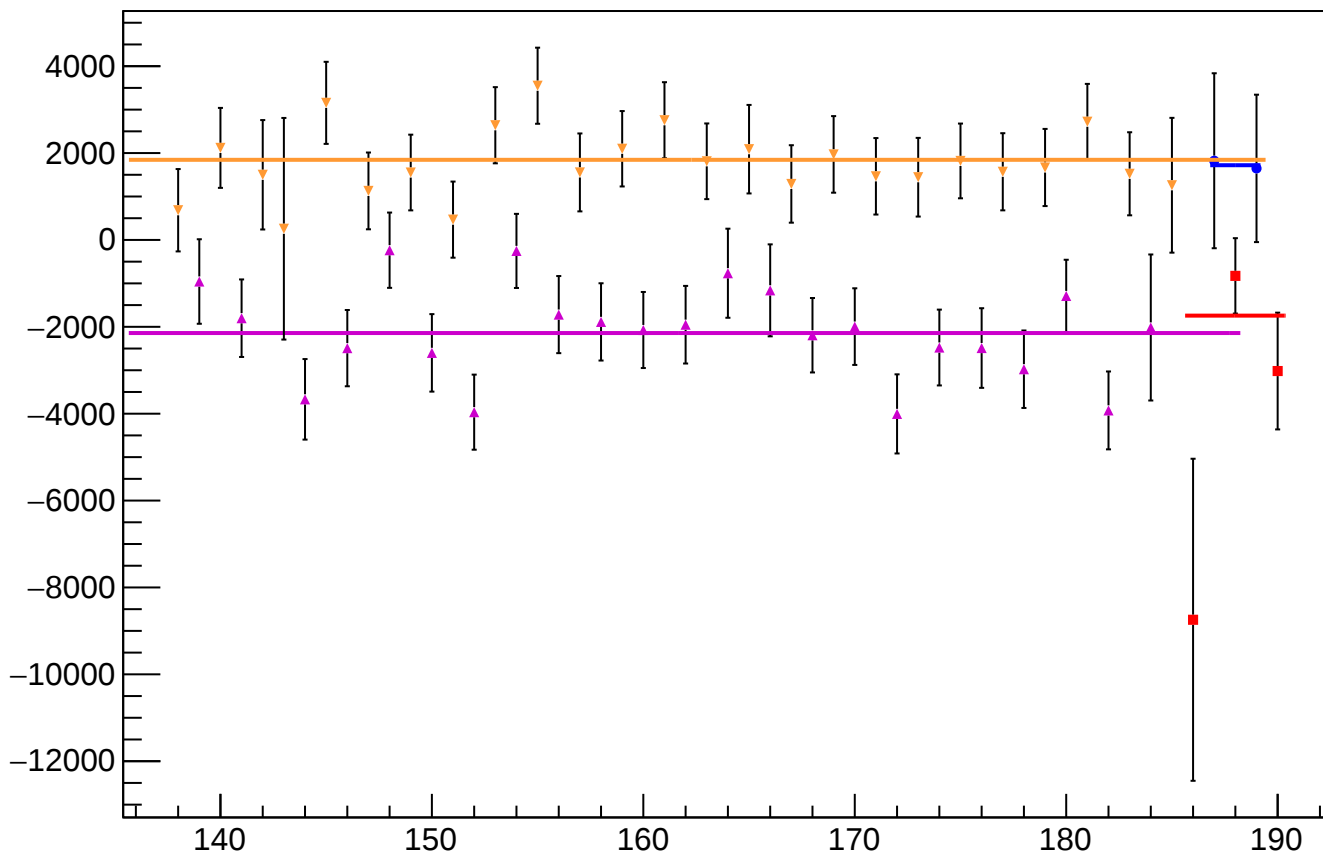
asym_right_dd_rms vs Slug



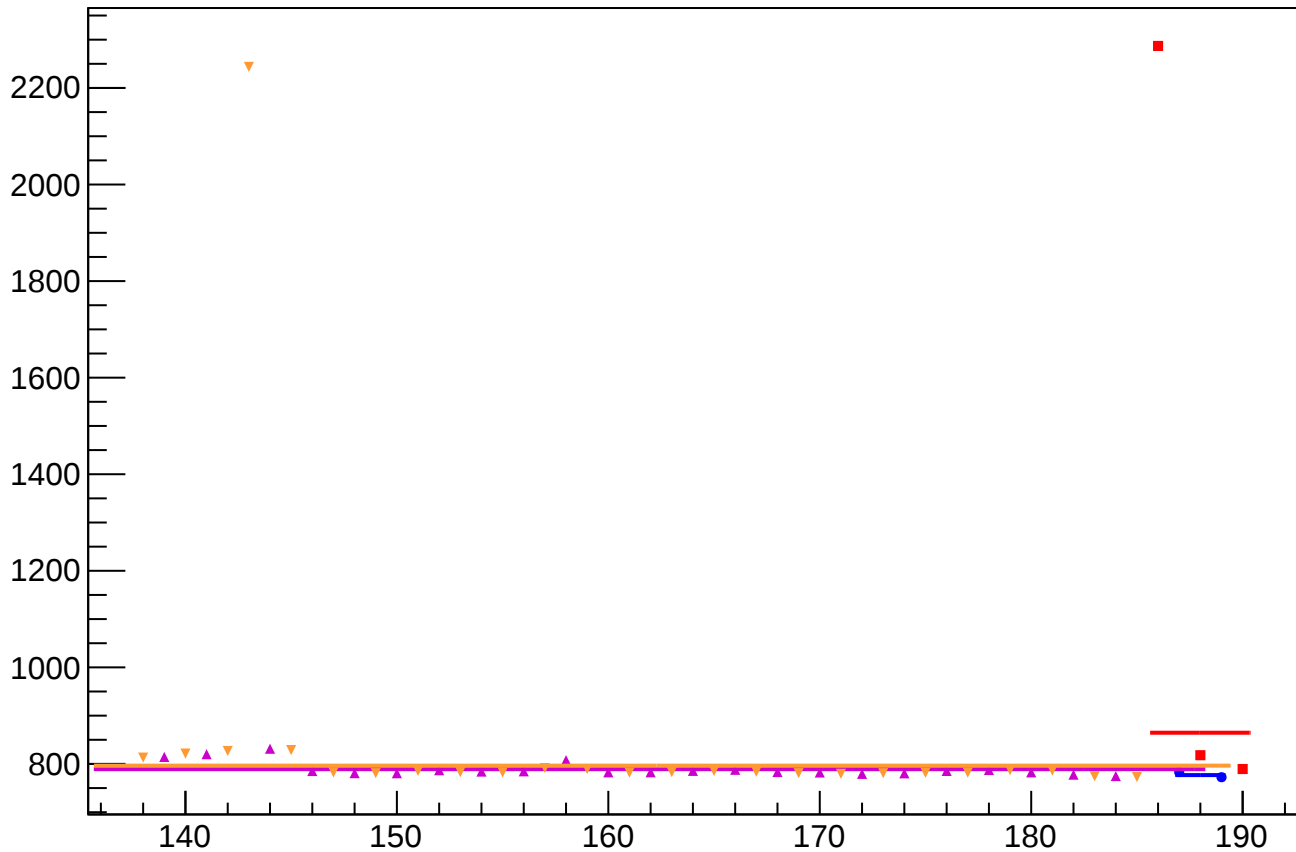
Right In: 1027.692 $\pm$ 0.285 χ^2 /NDF: 1622801.5/19
 Left Out: 962.776 $\pm$ 0.160 χ^2 /NDF:362837.8/24
 Right Out: 971.044 $\pm$ 0.266 χ^2 /NDF: 3585925.0/23
 Left In: 955.331 $\pm$ 0.163 χ^2 /NDF:443068.5/22

+ sign 978.281 $\pm$ 0.139 χ^2 /NDF: 2025170.6/44
 All: 968.922 $\pm$ 0.098 χ^2 /NDF: 6065717.6/91
 - sign 959.605 $\pm$ 0.139 χ^2 /NDF: 4031527.9/46

cor_asym_us_avg_mean vs Slug



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

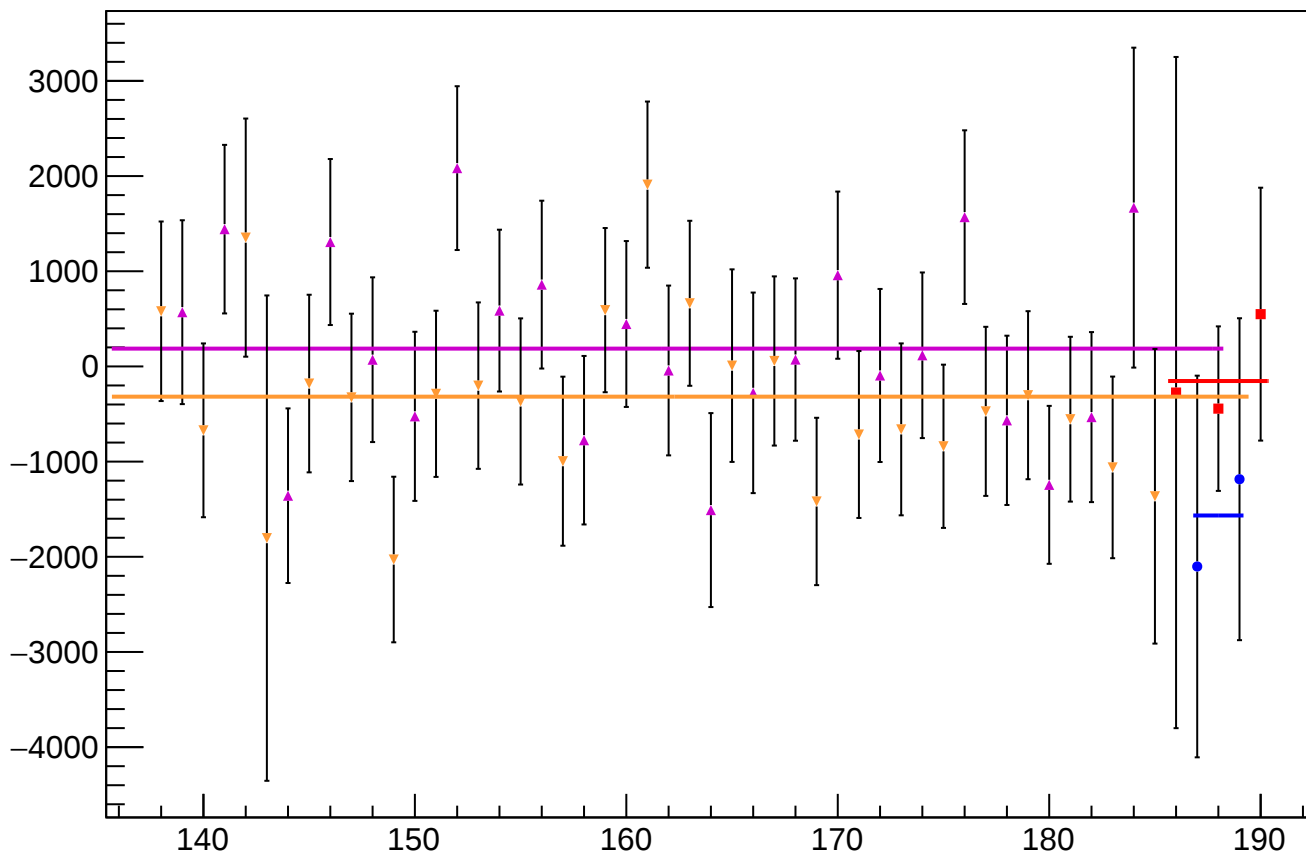
Left In: 789.176 $\pm$ 0.134 χ^2 /NDF: 10860.4/22

+ 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+/-1292.689 χ^2/NDF : 0.1/1

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

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

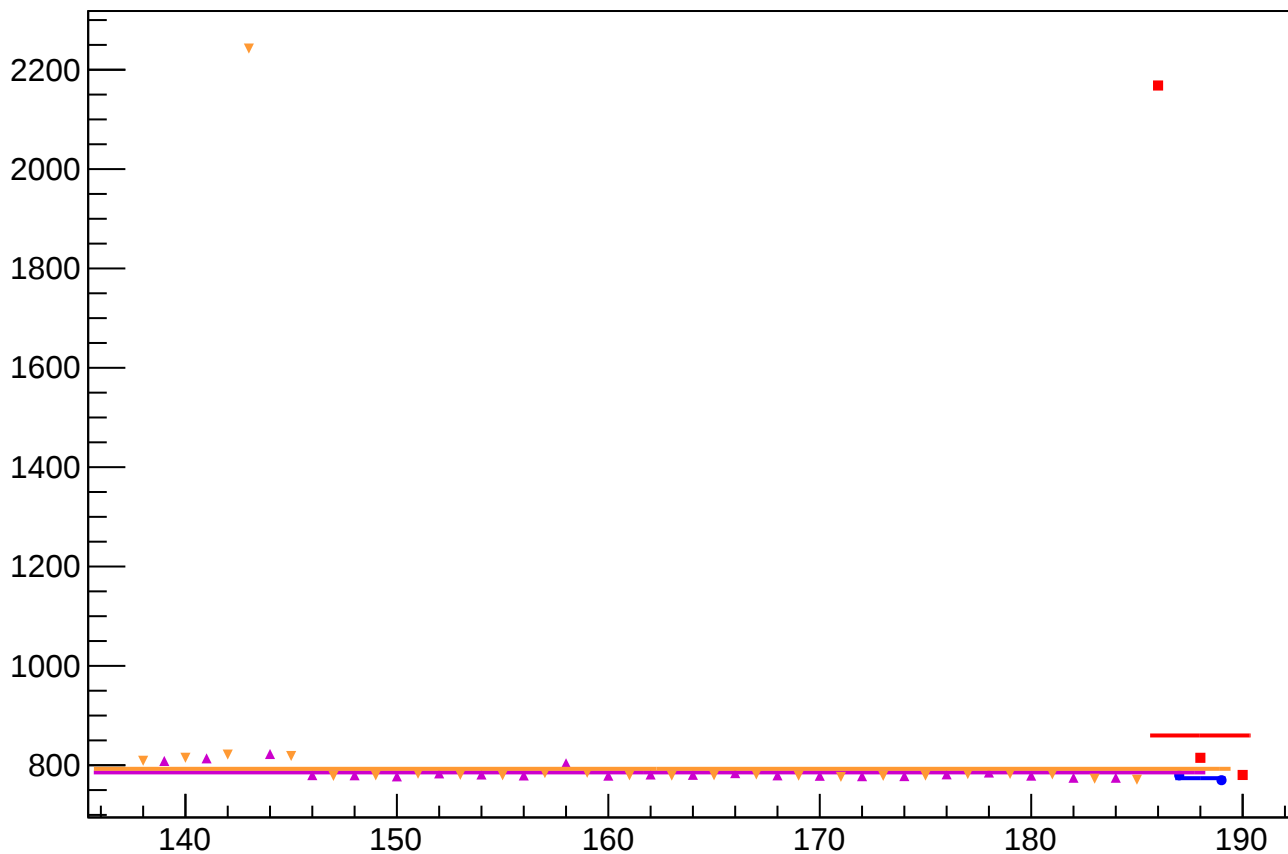
Left In: 187.105+/-189.265 χ^2/NDF : 25.6/22

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

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

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

cor_asym_us_dd_rms vs Slug



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

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

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

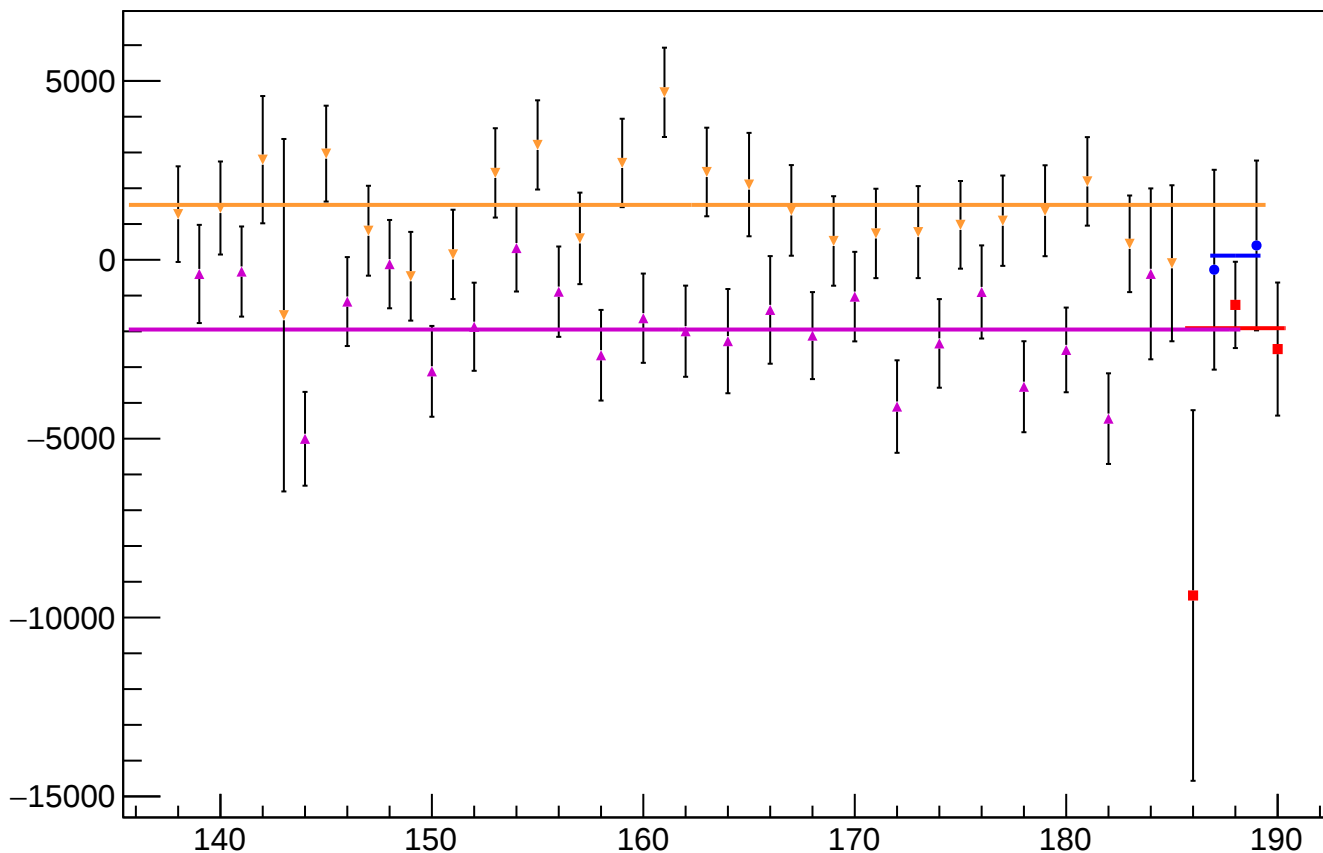
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

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

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

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

cor_asym_usl_mean vs Slug



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

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

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

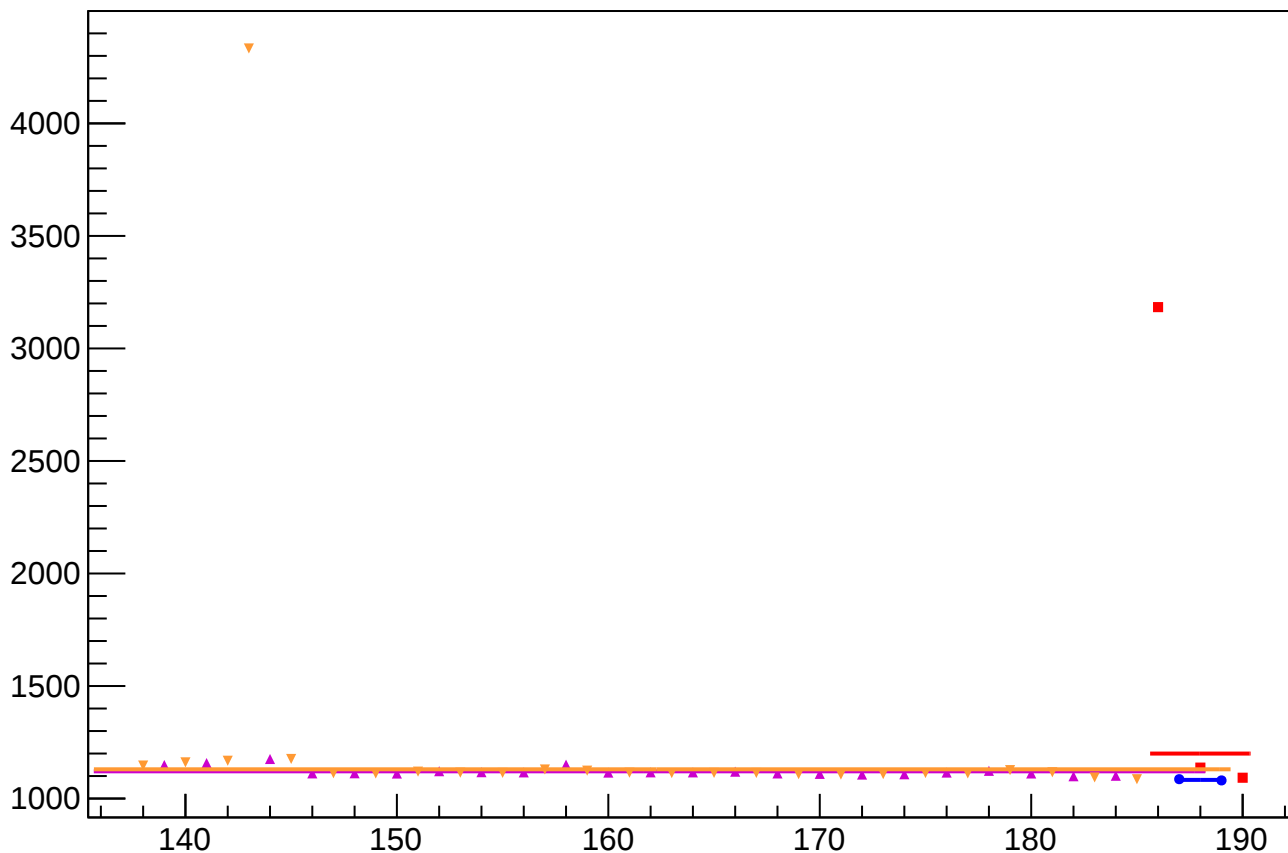
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

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

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

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

cor_asym_usl_rms vs Slug



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

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

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

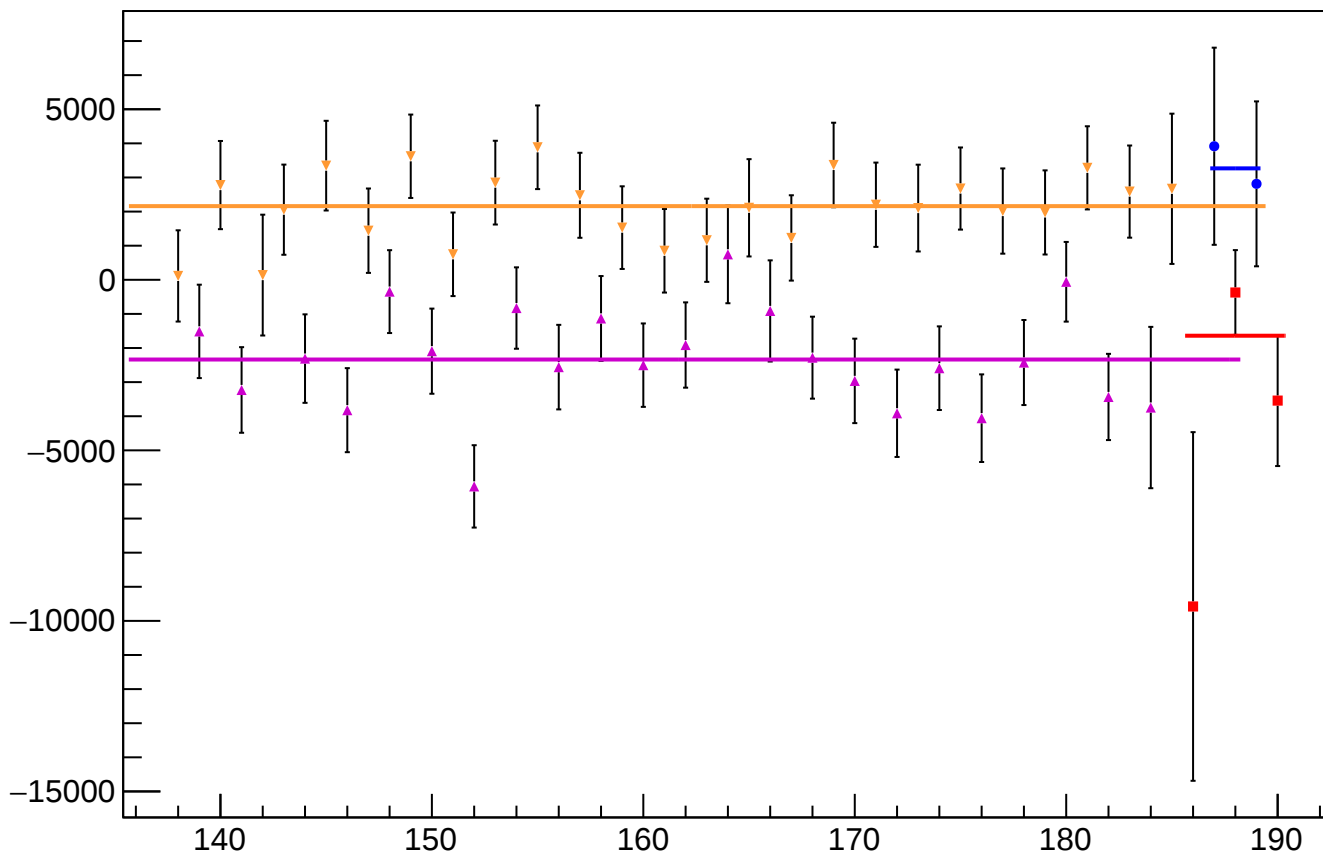
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

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

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

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

cor_asym_usr_mean vs Slug



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

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

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

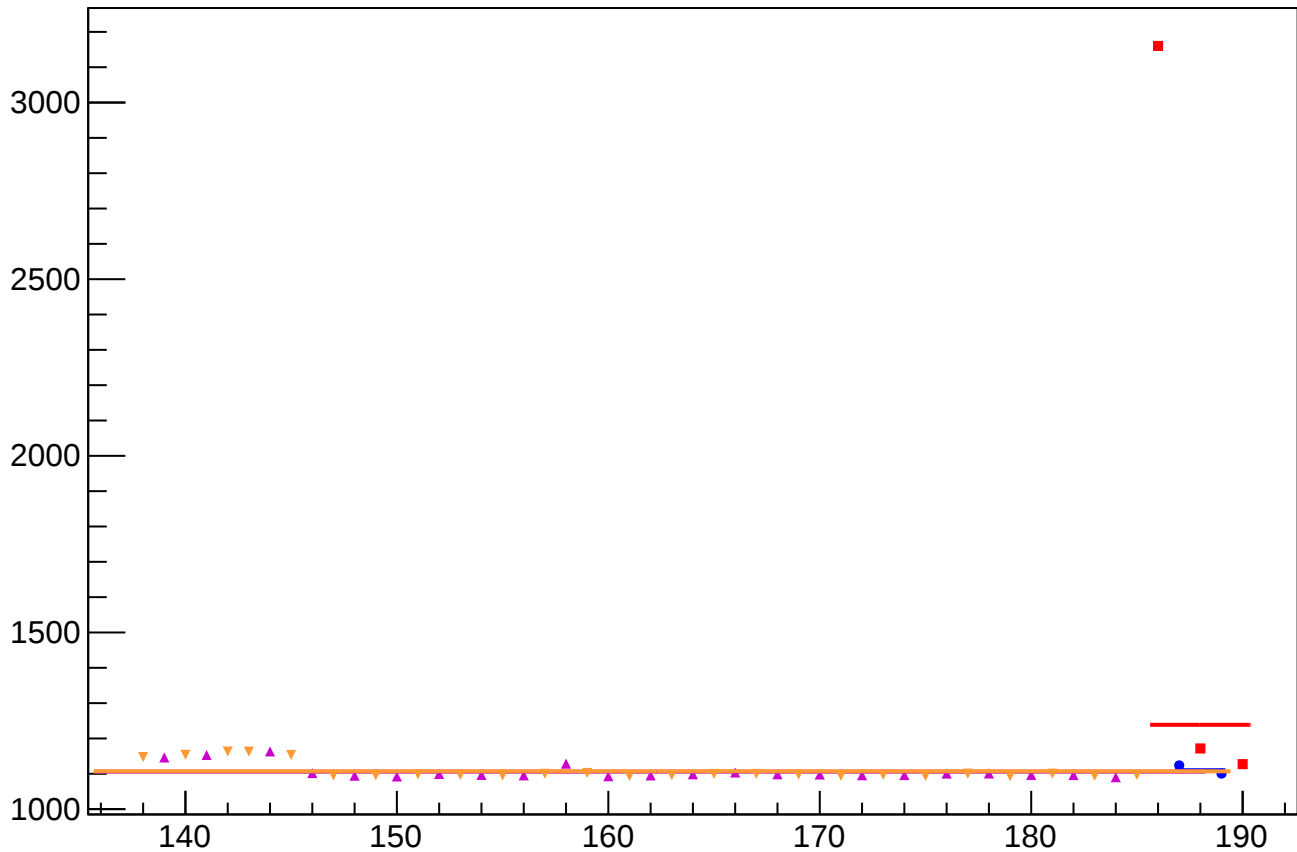
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

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

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

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

cor_asym_usr_rms vs Slug



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

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

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

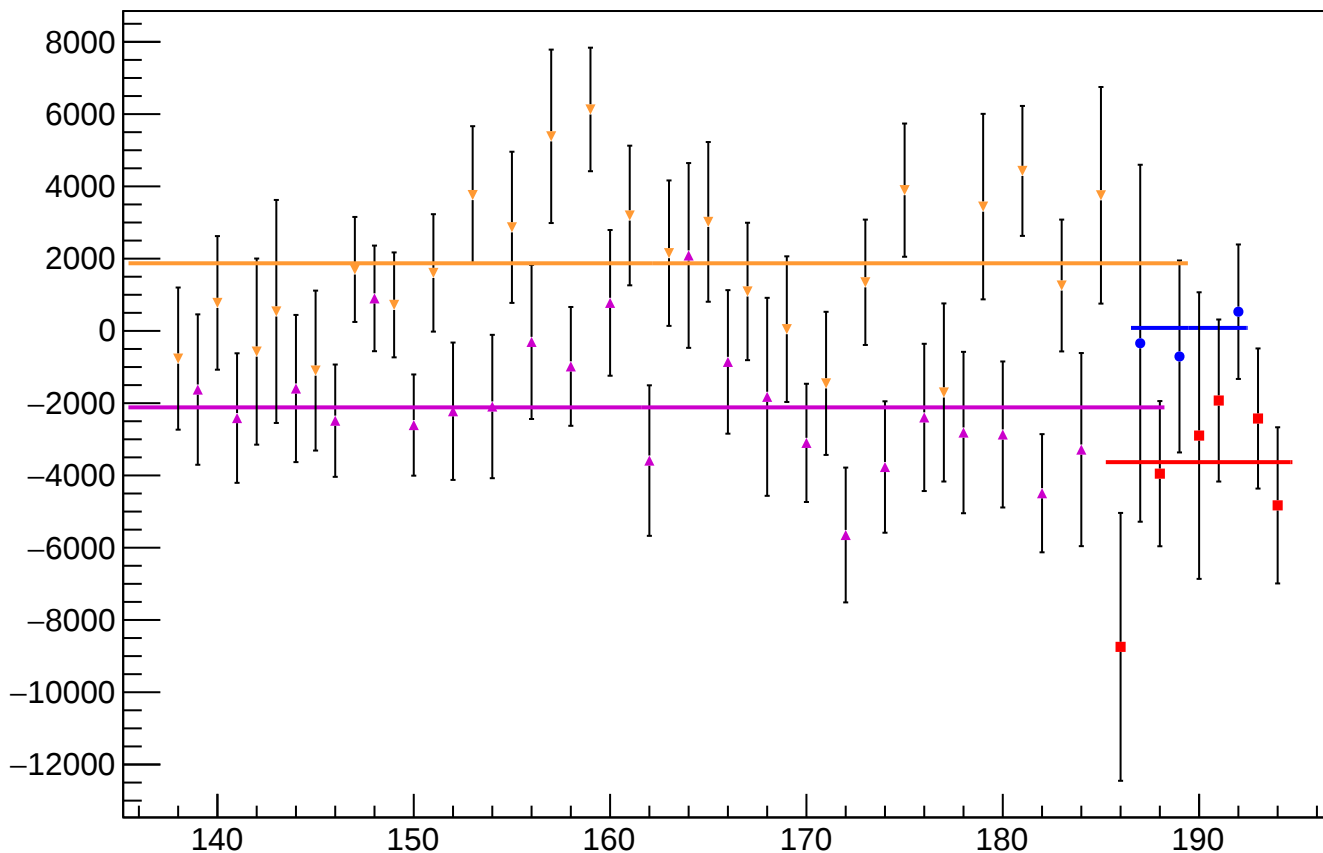
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

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

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

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

asym_us_agg_avg_mean vs Slug



Right In: 82.947 $\pm$ 1456.338 χ^2 /NDF: 0.2/2

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

Right Out: -3631.982 $\pm$ 969.918 χ^2 /NDF: 3.2/5

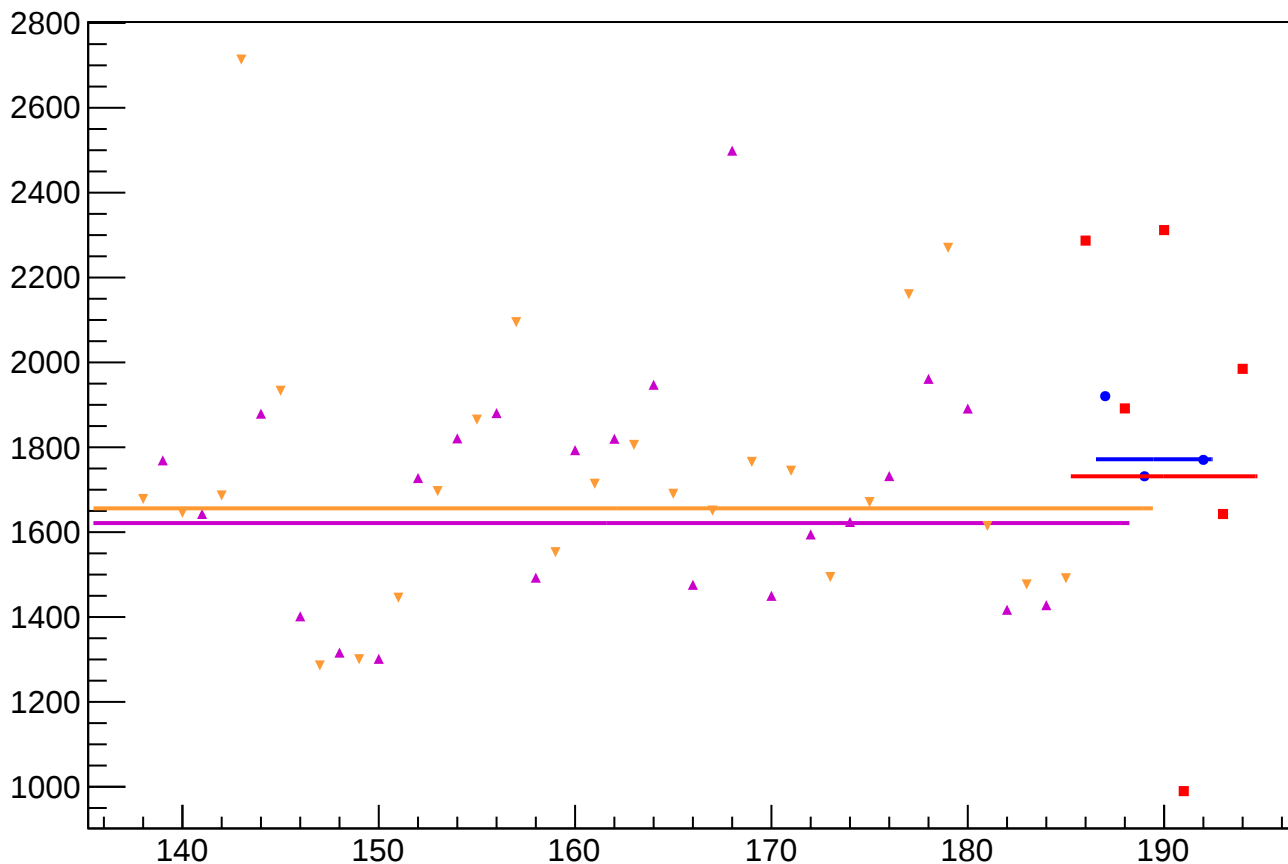
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1750.981 $\pm$ 378.242 χ^2 /NDF: 27.7/27

All: -366.423 $\pm$ 262.365 χ^2 /NDF: 112.2/56

- sign -2329.886 $\pm$ 364.233 χ^2 /NDF: 24.1/28

asym_us_agg_avg_rms vs Slug



Right In: 1771.774+/-1.030 χ^2/NDF : 2268.9/2

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

Right Out: 1731.593+/-0.686 χ^2/NDF : 350954.0/5

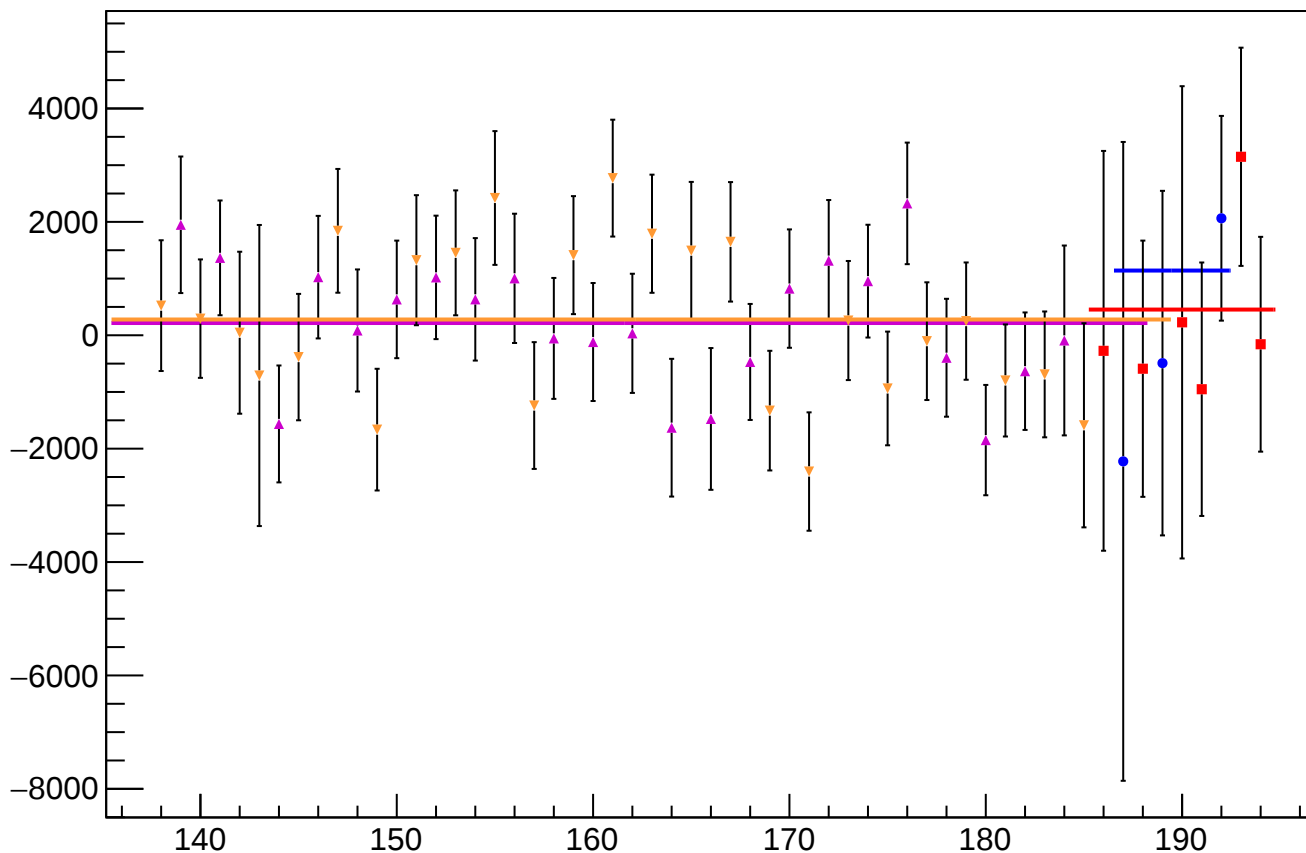
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1663.921+/-0.267 χ^2/NDF : 924604.9/27

All: 1649.929+/-0.186 χ^2/NDF : 2078311.3/56

- sign 1636.954+/-0.258 χ^2/NDF : 1148431.8/28

asym_us_agg_dd_mean vs Slug



Right In: 1141.469+/-1496.468 χ^2/NDF : 0.9/2

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

Right Out: 453.385+/-961.049 χ^2/NDF : 2.7/5

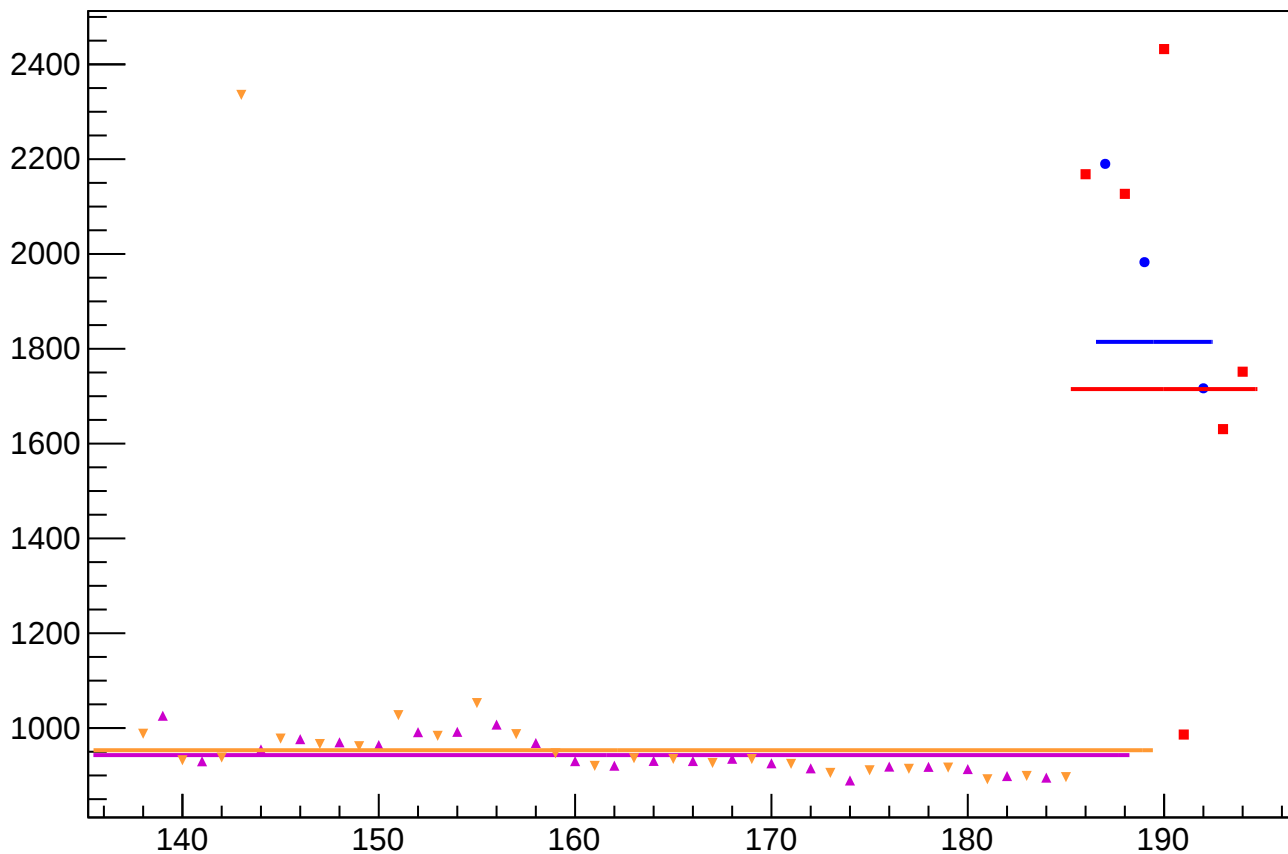
Left In: 216.121+/-225.600 χ^2/NDF : 24.4/22

+ sign 296.942+/-221.126 χ^2/NDF : 39.6/27

All: 262.495+/-155.828 χ^2/NDF : 66.9/56

- sign 228.512+/-219.630 χ^2/NDF : 27.2/28

asym_us_agg_dd_rms vs Slug



Right In: 1814.609+/-1.058 χ^2/NDF : 20892.6/2

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

Right Out: 1715.025+/-0.680 χ^2/NDF : 375952.1/5

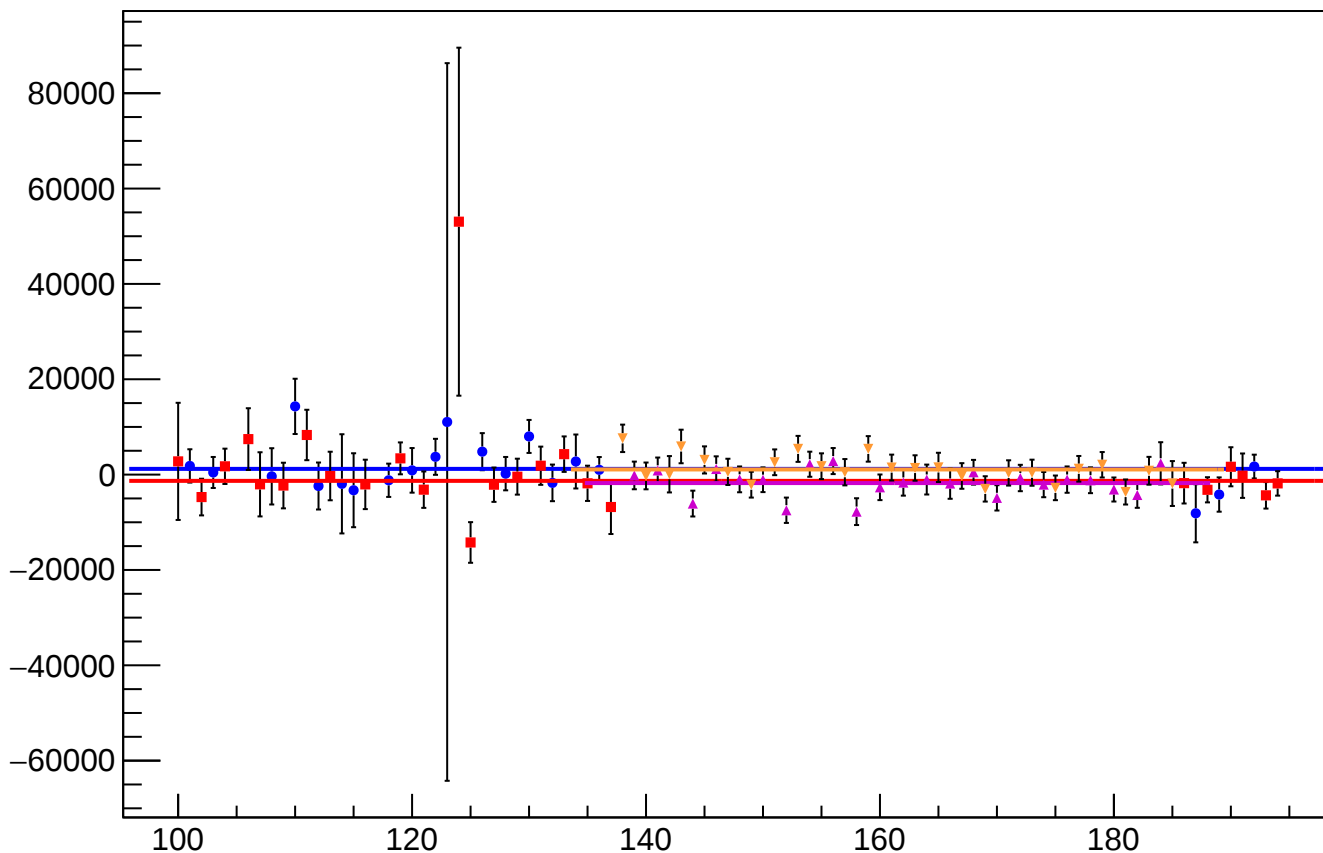
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 972.029+/-0.156 χ^2/NDF : 1275360.1/27

All: 977.678+/-0.110 χ^2/NDF : 2925766.8/56

- sign 983.251+/-0.155 χ^2/NDF : 1647813.8/28

reg_asym_atl1_mean vs Slug



Right In: 1201.500 $\pm$ 900.113 χ^2 /NDF: 17.3/19

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

Right Out: -1313.173 $\pm$ 807.317 χ^2 /NDF: 26.7/24

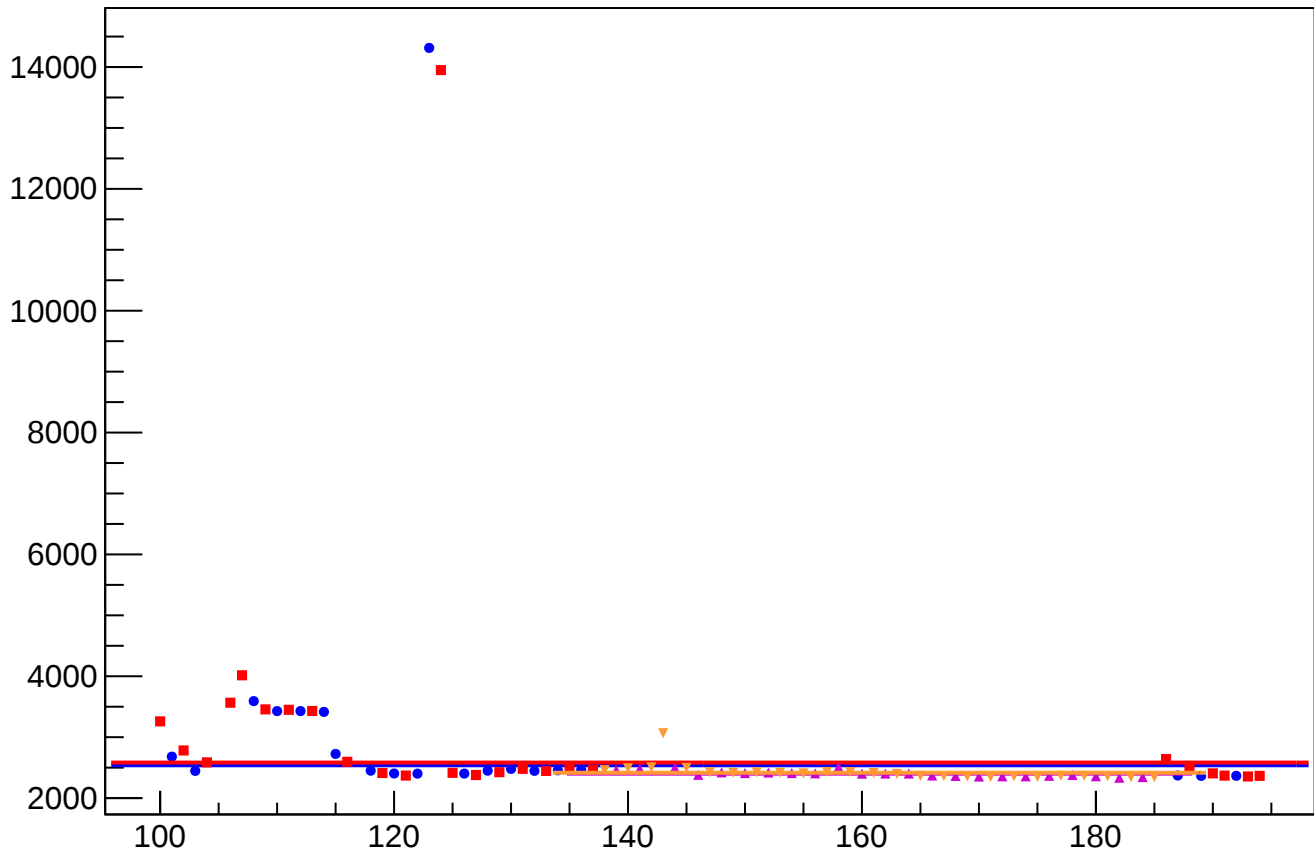
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1112.857 $\pm$ 477.933 χ^2 /NDF: 40.9/44

All: -280.160 $\pm$ 334.686 χ^2 /NDF: 108.5/92

- sign -1620.642 $\pm$ 468.834 χ^2 /NDF: 51.0/47

reg_asym_atl1_rms vs Slug



Right In: 2539.053+/-0.636 χ^2/NDF : 274067.5/19

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

Right Out: 2583.319+/-0.571 χ^2/NDF : 586437.7/24

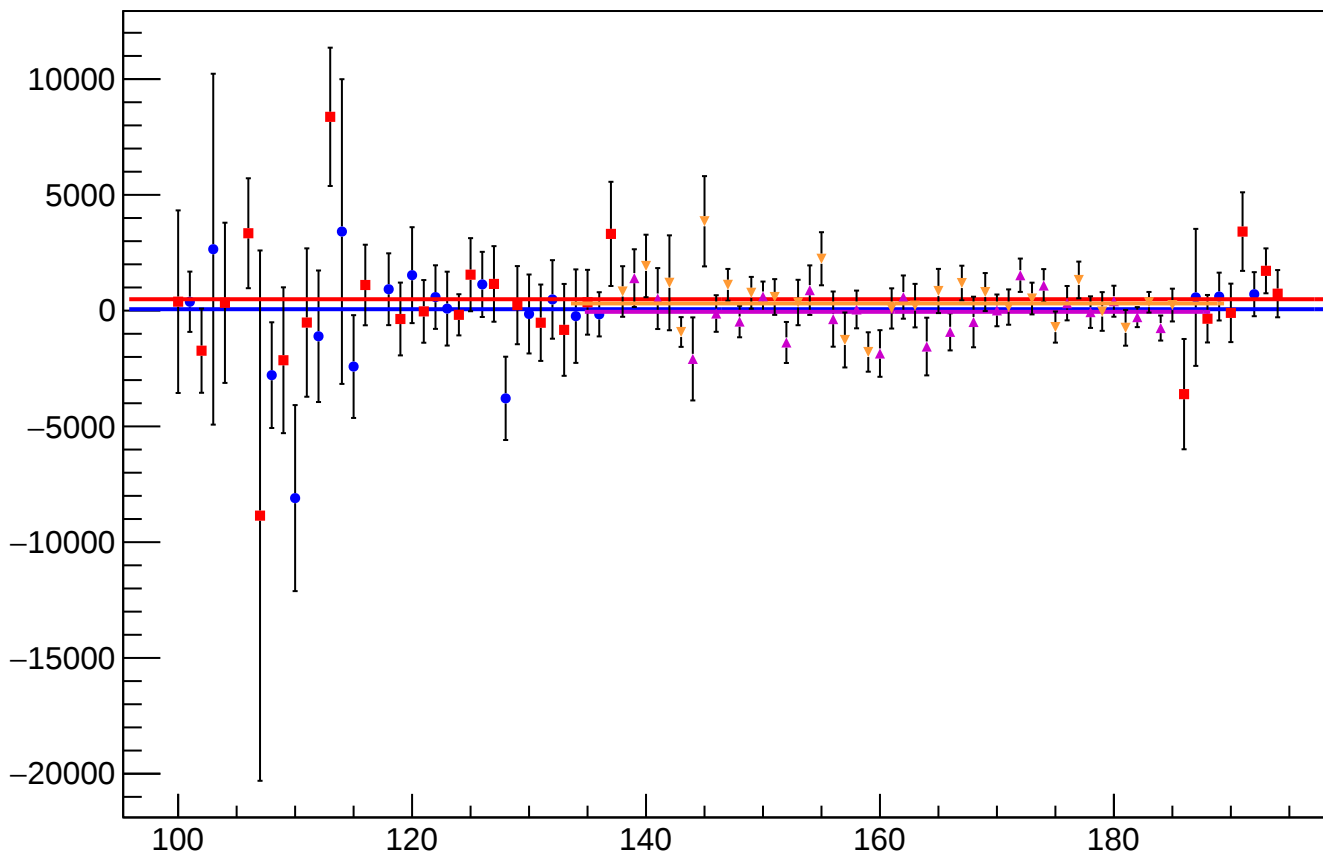
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2450.706+/-0.338 χ^2/NDF : 383535.2/44

All: 2456.852+/-0.237 χ^2/NDF : 1051658.4/92

- sign 2462.766+/-0.332 χ^2/NDF : 667474.2/47

asym_atl1_correction_mean vs Slug



Right In: 61.627 $\pm$ 358.344 χ^2 /NDF: 14.6/19

Left Out: 310.873 $\pm$ 160.650 χ^2 /NDF:29.7/24

Right Out: 492.815 $\pm$ 315.057 χ^2 /NDF: 24.0/24

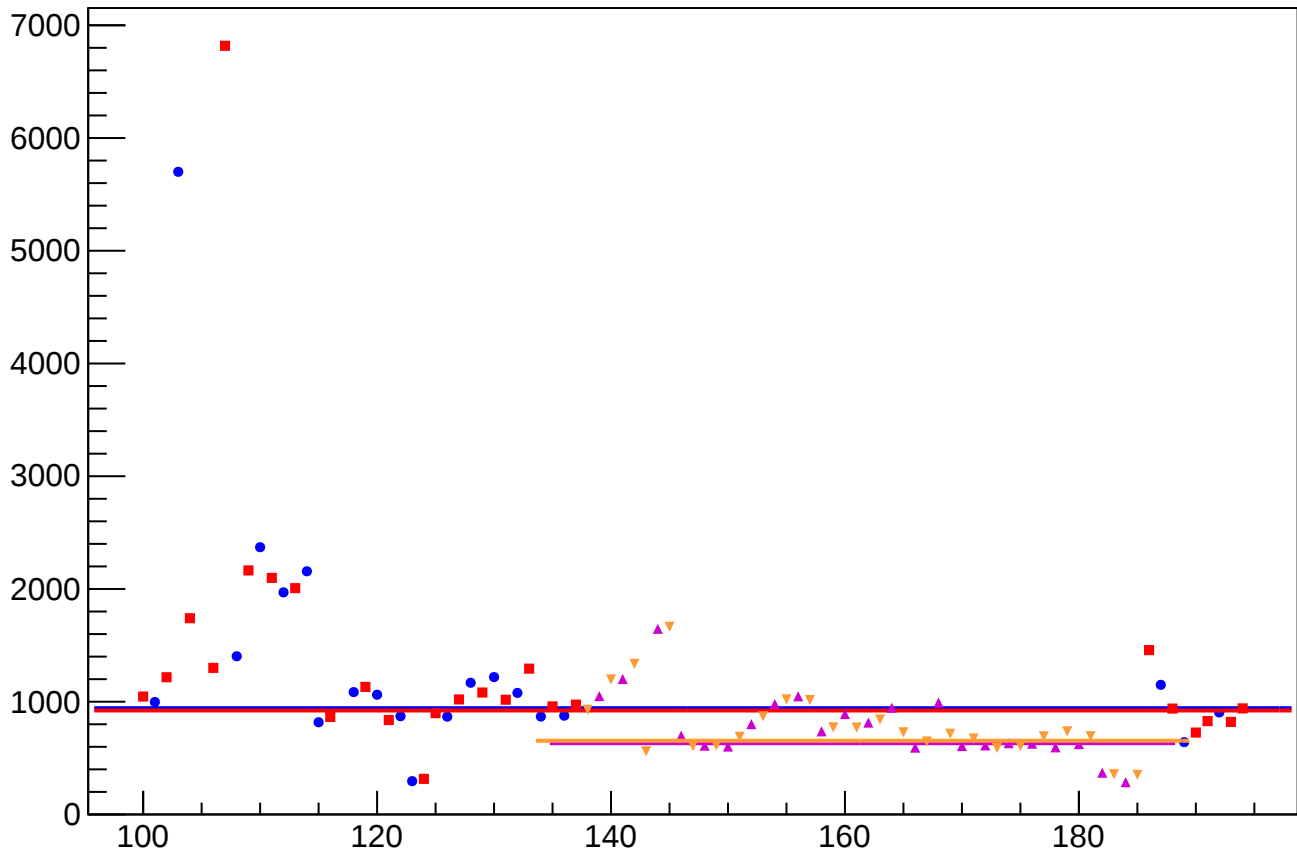
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF:23.8/22

+ sign 269.162 $\pm$ 146.593 χ^2 /NDF: 44.7/44

All: 163.690 $\pm$ 102.688 χ^2 /NDF: 96.0/92

- sign 62.072 $\pm$ 143.890 χ^2 /NDF: 50.2/47

asym_atl1_correction_rms vs Slug



Right In: 942.530 $\pm$ 0.253 χ^2 /NDF: 2118247.5/19

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

Right Out: 922.031 $\pm$ 0.223 χ^2 /NDF: 2850949.3/24

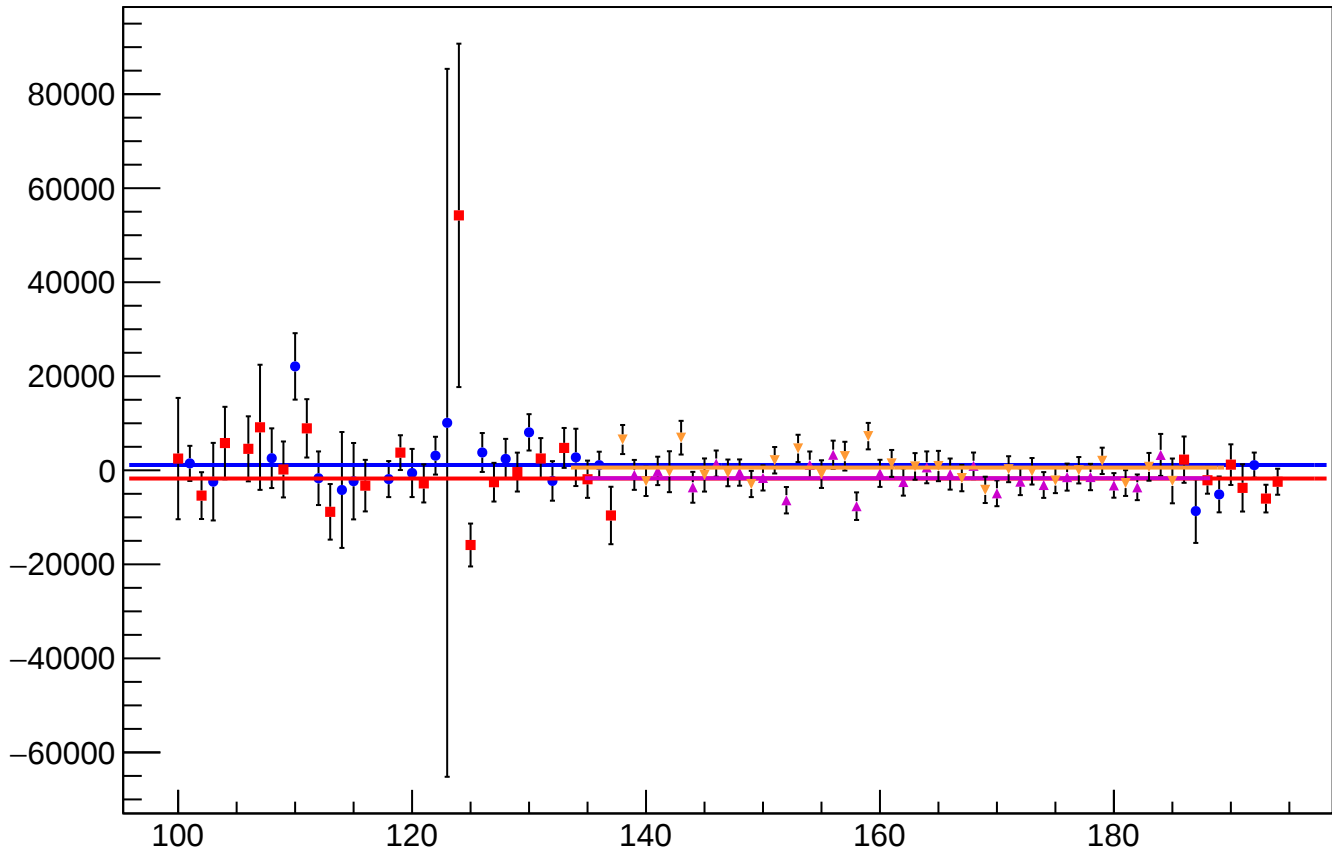
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 702.121 $\pm$ 0.104 χ^2 /NDF: 6454052.2/44

All: 697.240 $\pm$ 0.073 χ^2 /NDF: 14593074.5/92

- sign 692.538 $\pm$ 0.102 χ^2 /NDF: 8134668.9/47

asym_atl1_mean vs Slug



Right In: 1131.266 $\pm$ 1015.692 χ^2 /NDF: 19.9/19

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

Right Out: -1749.747 $\pm$ 909.994 χ^2 /NDF: 30.5/24

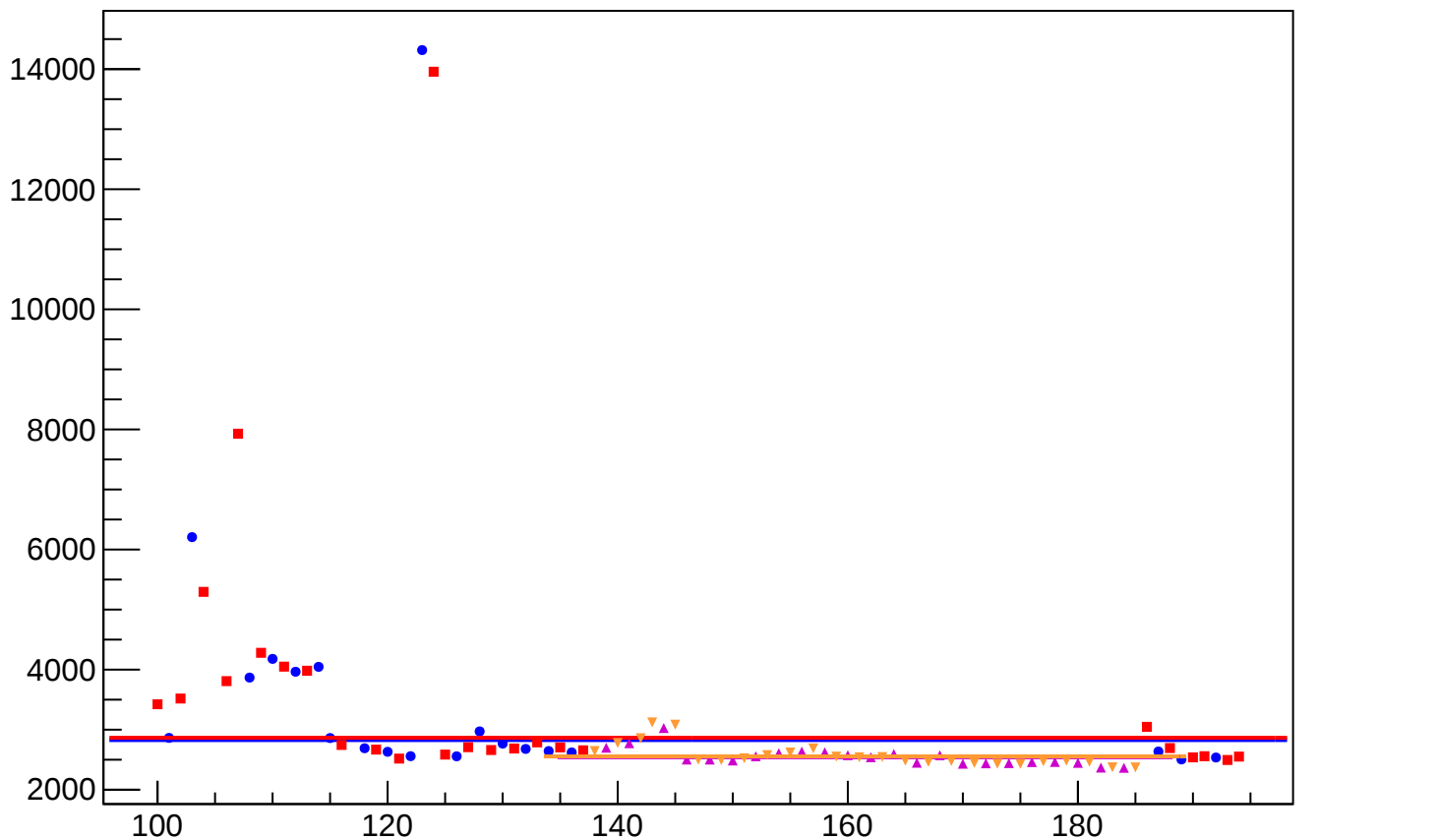
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 722.264 $\pm$ 514.789 χ^2 /NDF: 45.4/44

All: -508.595 $\pm$ 361.137 χ^2 /NDF: 105.4/92

- sign -1701.334 $\pm$ 506.755 χ^2 /NDF: 48.7/47

asym_atl1_rms vs Slug



Right In: 2827.172+/-0.718 χ^2/NDF : 688490.7/19

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

Right Out: 2864.977+/-0.643 χ^2/NDF : 1138004.6/24

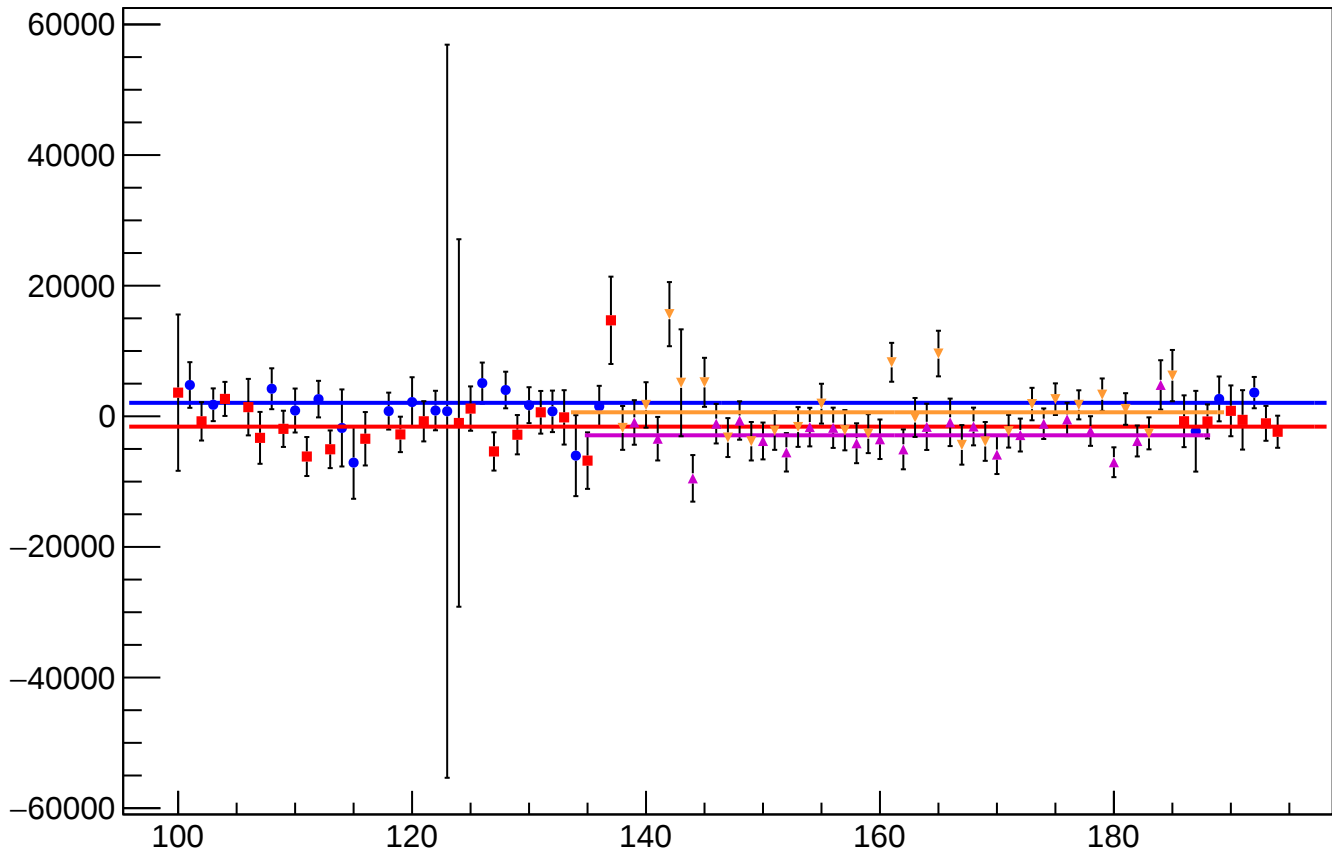
Left In: 2540.988+/-0.431 χ^2/NDF :94756.7/22

+ sign 2625.124+/-0.364 χ^2/NDF : 949736.4/44

All: 2633.421+/-0.255 χ^2/NDF : 2358422.5/92

- sign 2641.461+/-0.358 χ^2/NDF : 1407663.1/47

reg_asym_atl2_mean vs Slug



Right In: 2062.917 ± 746.261 χ^2/NDF : 9.1/19

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

Right Out: -1582.639 ± 670.733 χ^2/NDF : 19.0/24

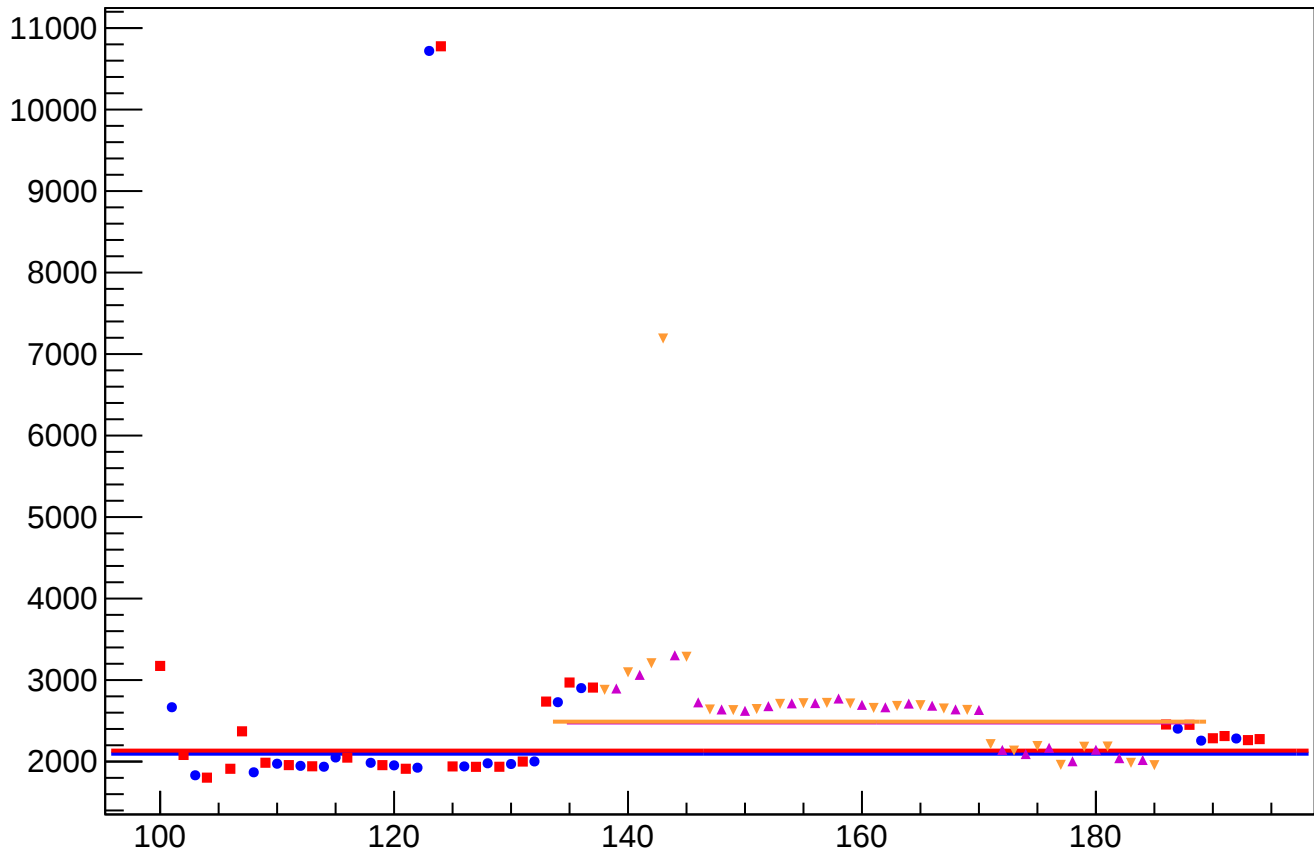
Left In: -2909.108 ± 599.673 χ^2/NDF : 17.4/22

+ sign 1173.176 ± 463.379 χ^2/NDF : 56.6/44

All: -635.949 ± 321.731 χ^2/NDF : 124.6/92

- sign -2319.837 ± 447.052 χ^2/NDF : 38.6/47

reg_asym_atl2_rms vs Slug



Right In: 2096.517+/-0.528 χ^2/NDF : 342872.0/19

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

Right Out: 2134.322+/-0.474 χ^2/NDF : 521674.1/24

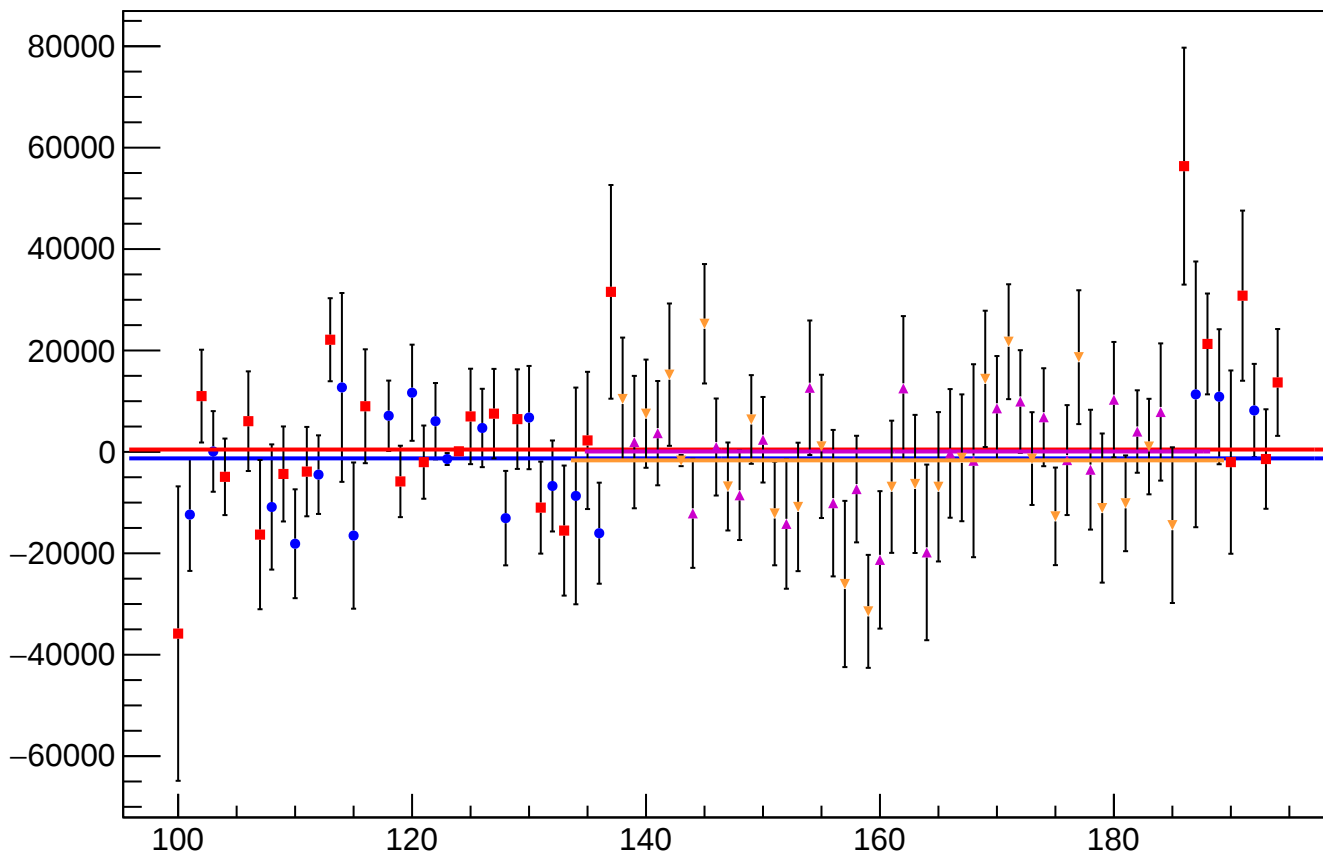
Left In: 2479.348+/-0.424 χ^2/NDF : 668398.2/22

+ sign 2338.029+/-0.328 χ^2/NDF : 2047989.8/44

All: 2331.837+/-0.227 χ^2/NDF : 3532871.6/92

- sign 2326.073+/-0.316 χ^2/NDF : 1484192.2/47

asym_atl2_correction_mean vs Slug



Right In: -1278.620 ± 1043.712 χ^2/NDF : 17.9/19

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

Right Out: 467.933 ± 689.044 χ^2/NDF : 36.1/24

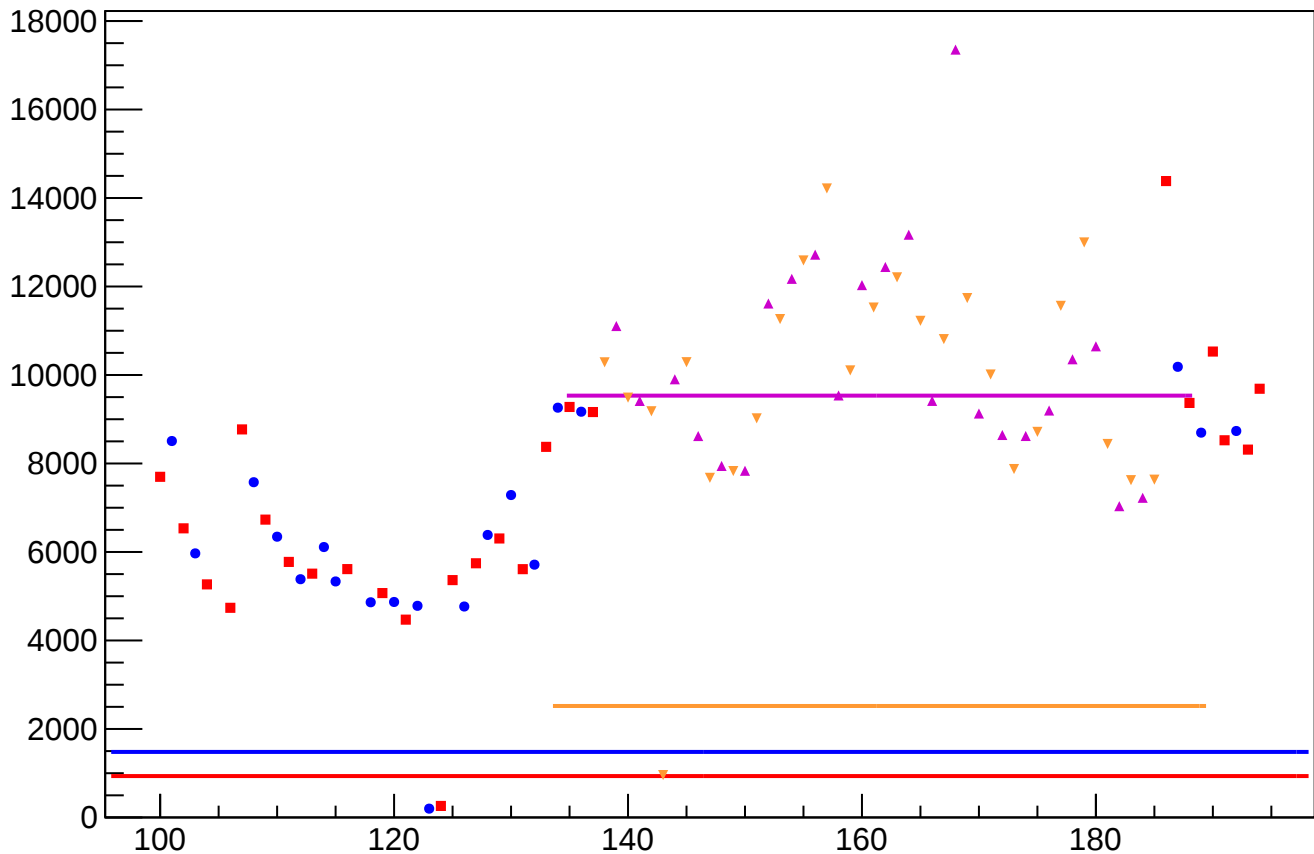
Left In: 80.274 ± 2331.531 χ^2/NDF : 13.8/22

+ sign -1481.632 ± 719.440 χ^2/NDF : 50.3/44

All: -441.048 ± 486.665 χ^2/NDF : 104.1/92

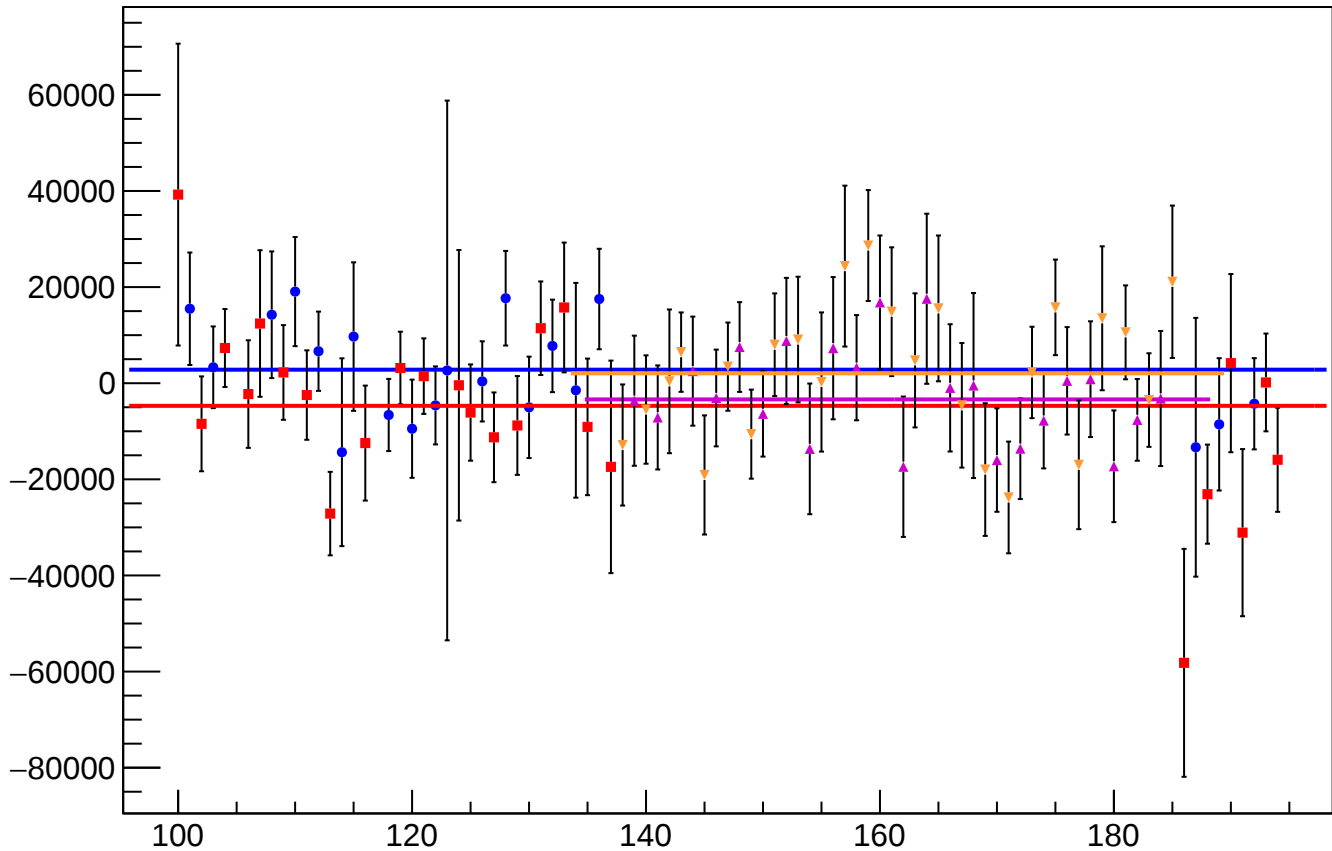
- sign 436.794 ± 660.792 χ^2/NDF : 49.9/47

asym_atl2_correction_rms vs Slug



Right In: 1481.156+/-0.738	χ^2/NDF : 12127294.8/19	+ sign 2026.060+/-0.509	χ^2/NDF : 36808067.9/44
Left Out: 2519.359+/-0.702	χ^2/NDF : 23642118.3/24	All: 1809.067+/-0.344	χ^2/NDF : 80566729.1/5
Right Out: 935.367+/-0.487	χ^2/NDF : 17091795.8/24	- sign 1626.011+/-0.467	χ^2/NDF : 43423232.7/47
Left In: 9533.563+/-1.649	χ^2/NDF : 1316640.0/22		

asym_atl2_mean vs Slug



Right In: 2816.570 $\pm$ 2408.549 χ^2 /NDF: 15.8/19

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

Right Out: -4702.665 $\pm$ 2206.633 χ^2 /NDF: 33.2/24

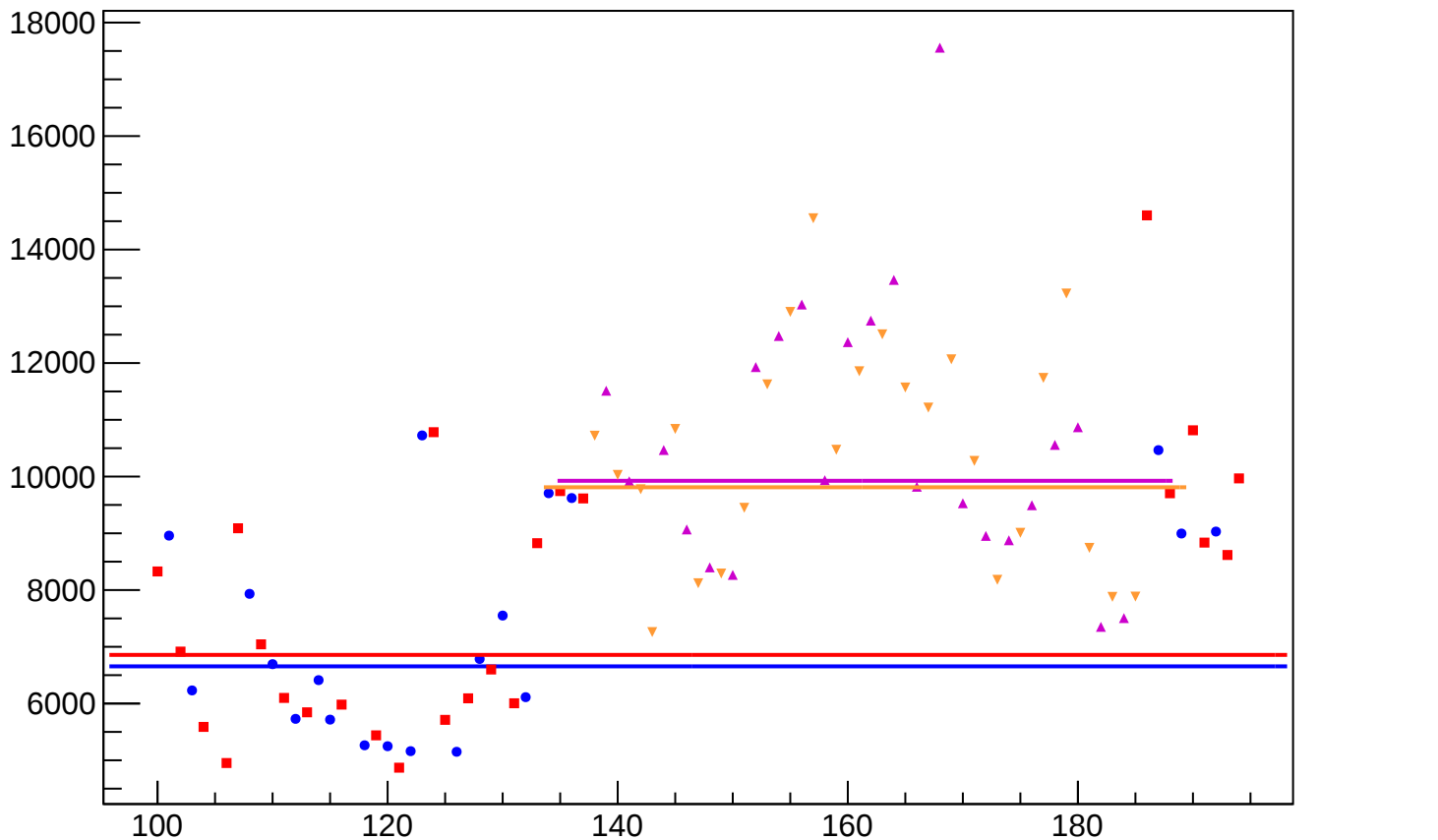
Left In: -3371.931 $\pm$ 2423.242 χ^2 /NDF:13.1/22

+ sign 2424.224 $\pm$ 1675.936 χ^2 /NDF: 46.6/44

All: -925.147 $\pm$ 1169.053 χ^2 /NDF: 100.9/92

- sign -4099.421 $\pm$ 1631.540 χ^2 /NDF: 46.5/47

asym_atl2_rms vs Slug



Right In: 6655.374+/-1.703 χ^2 /NDF: 826920.8/19

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

Right Out: 6857.300+/-1.560 χ^2 /NDF: 1363667.8/24

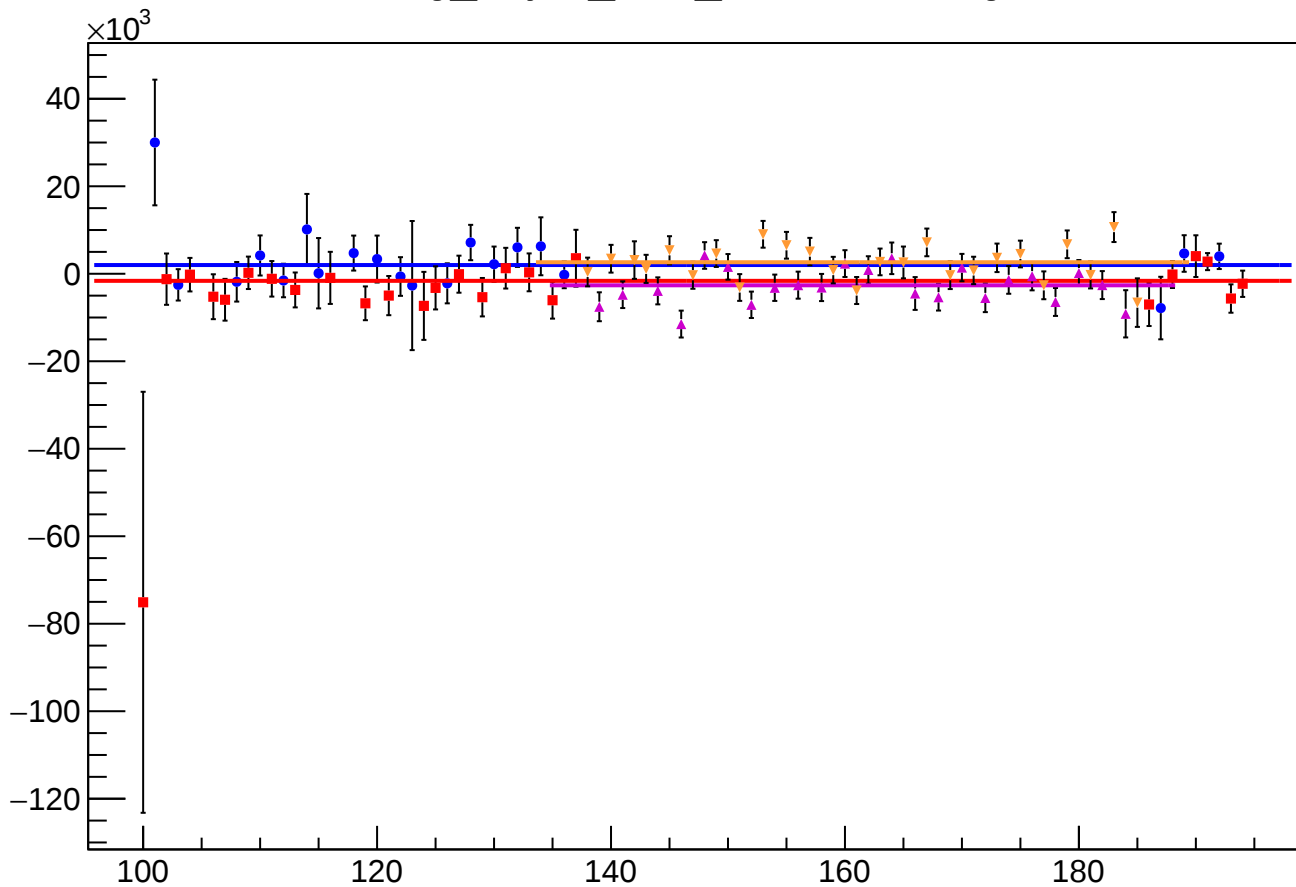
Left In: 9925.337+/-1.713 χ^2 /NDF:1211554.7/22

+ sign 8283.141+/-1.185 χ^2 /NDF: 3811706.8/44

All: 8265.117+/-0.827 χ^2 /NDF: 8140082.3/92

- sign 8248.035+/-1.154 χ^2 /NDF: 4327925.0/47

reg_asym_atr1_mean vs Slug



Right In: 1994.370 ± 1011.768 χ^2/NDF : 16.2/19

Left Out: 2635.833 ± 646.121 χ^2/NDF : 35.1/24

Right Out: -1617.114 ± 809.397 χ^2/NDF : 20.0/24

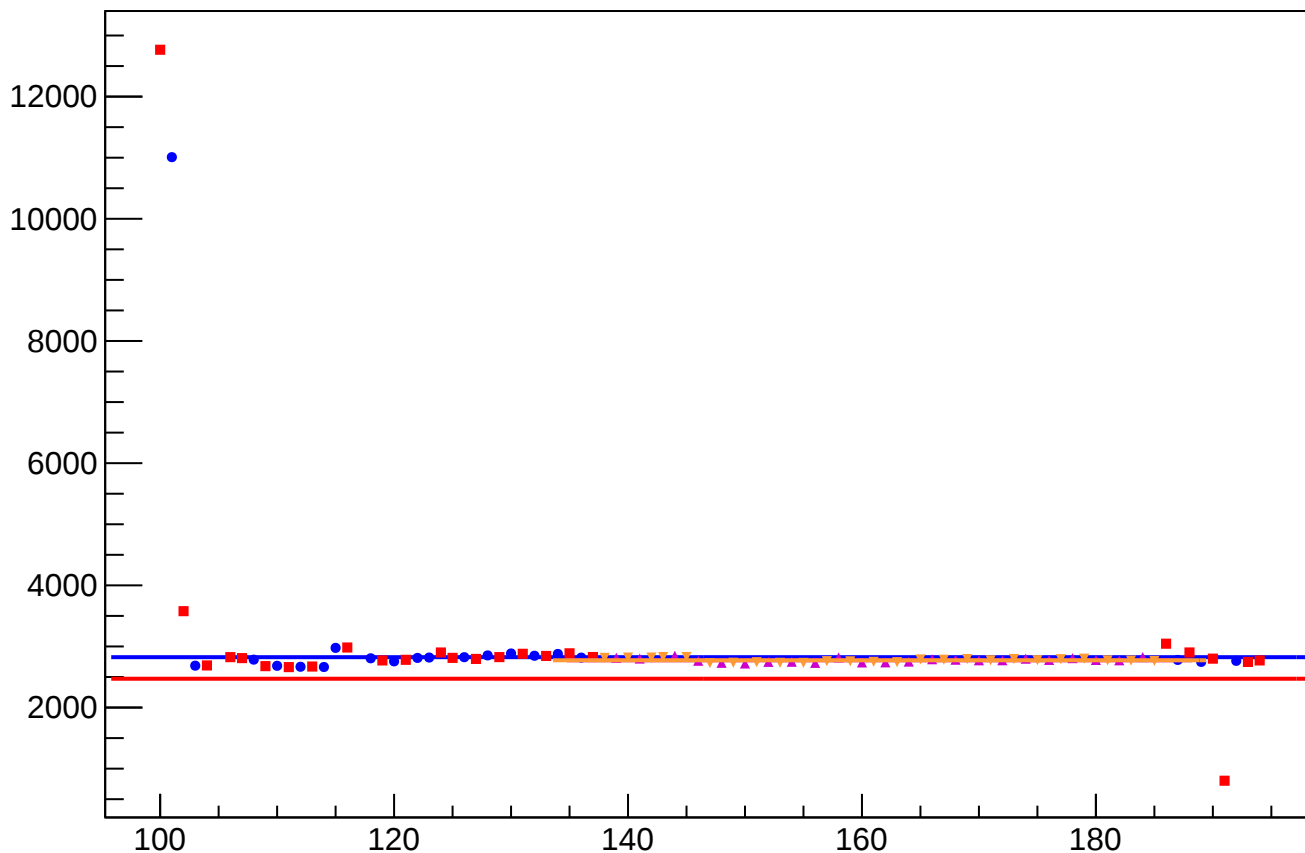
Left In: -2638.607 ± 664.569 χ^2/NDF : 35.2/22

+ sign 2450.014 ± 544.554 χ^2/NDF : 51.6/44

All: -25.237 ± 373.642 χ^2/NDF : 146.8/92

- sign -2227.270 ± 513.621 χ^2/NDF : 56.2/47

reg_asym_atr1_rms vs Slug



Right In: 2824.434+/-0.715 χ^2/NDF : 662139.4/19

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

Right Out: 2471.709+/-0.572 χ^2/NDF : 1915281.1/24

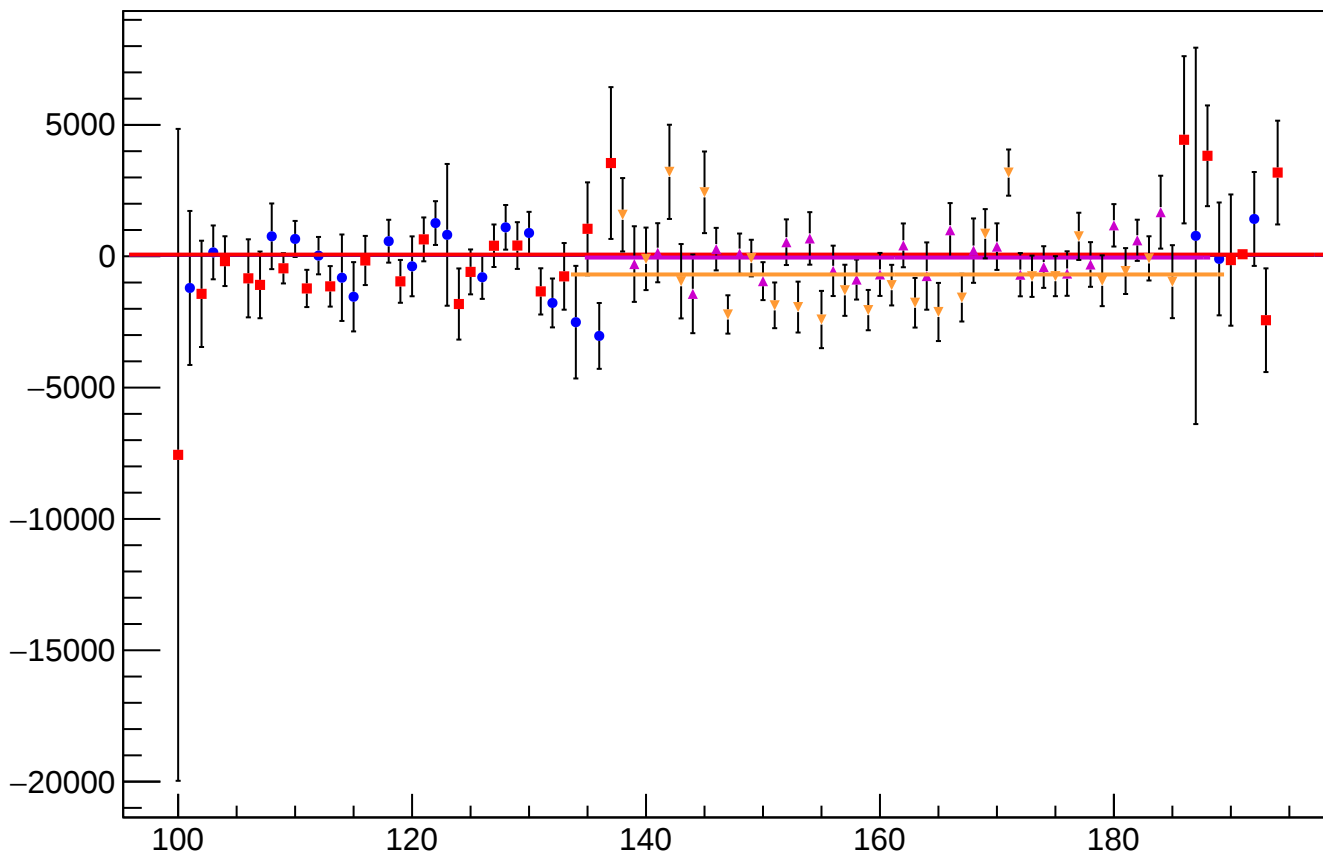
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2788.406+/-0.385 χ^2/NDF : 670325.9/44

All: 2716.375+/-0.264 χ^2/NDF : 2823390.4/92

- sign 2652.294+/-0.363 χ^2/NDF : 2086939.4/47

asym_atr1_correction_mean vs Slug



Right In: 49.871 ± 238.634 χ^2/NDF : 21.4/19

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

Right Out: 62.081 ± 37.911 χ^2/NDF : 28.4/24

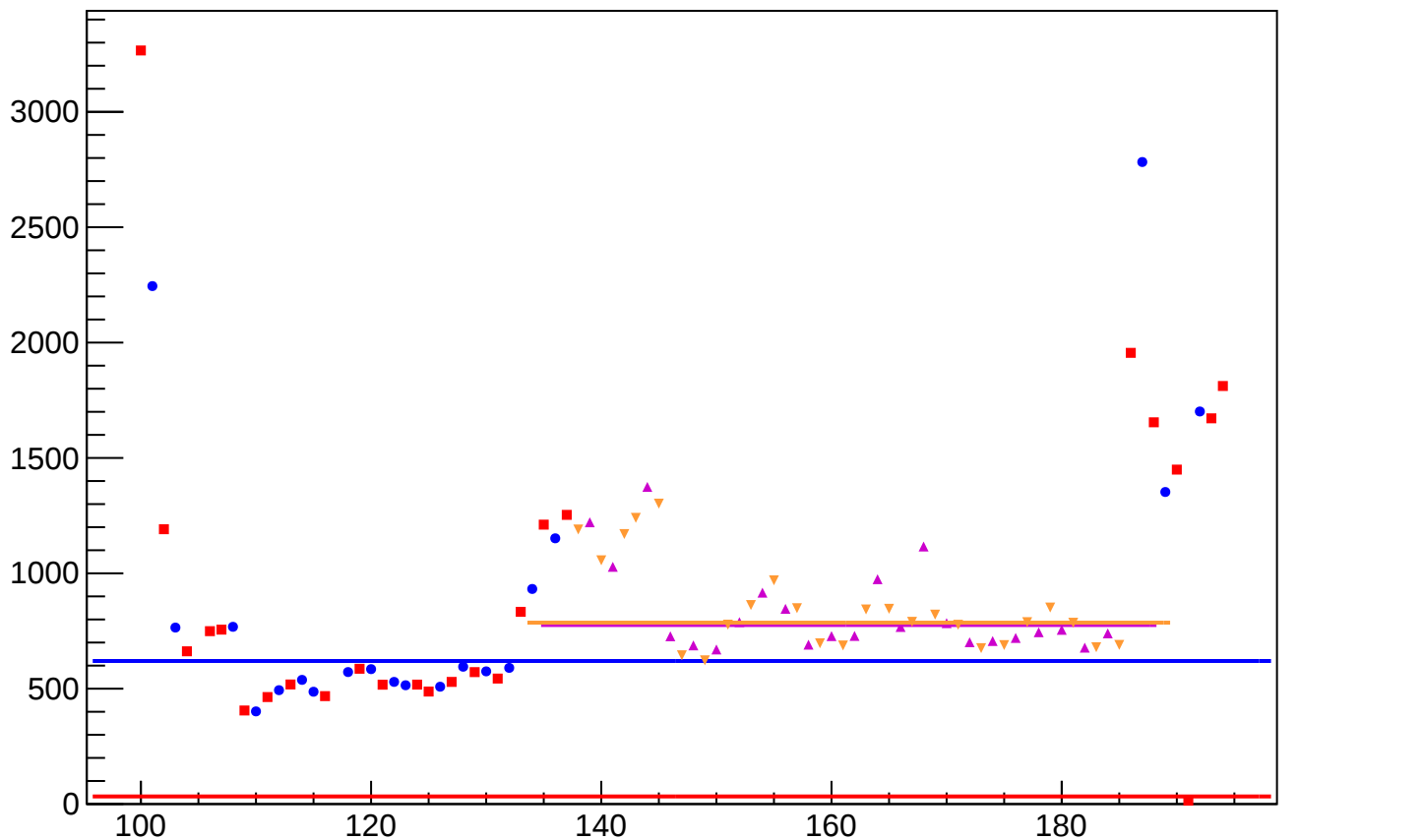
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -409.700 ± 147.335 χ^2/NDF : 83.4/44

All: 29.807 ± 36.043 χ^2/NDF : 135.2/92

- sign 57.783 ± 37.172 χ^2/NDF : 42.4/47

asym_atr1_correction_rms vs Slug



Right In: 620.084+/-0.169 χ^2/NDF : 2604806.0/19

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

Right Out: 32.955+/-0.027 χ^2/NDF : 18455639.5/24

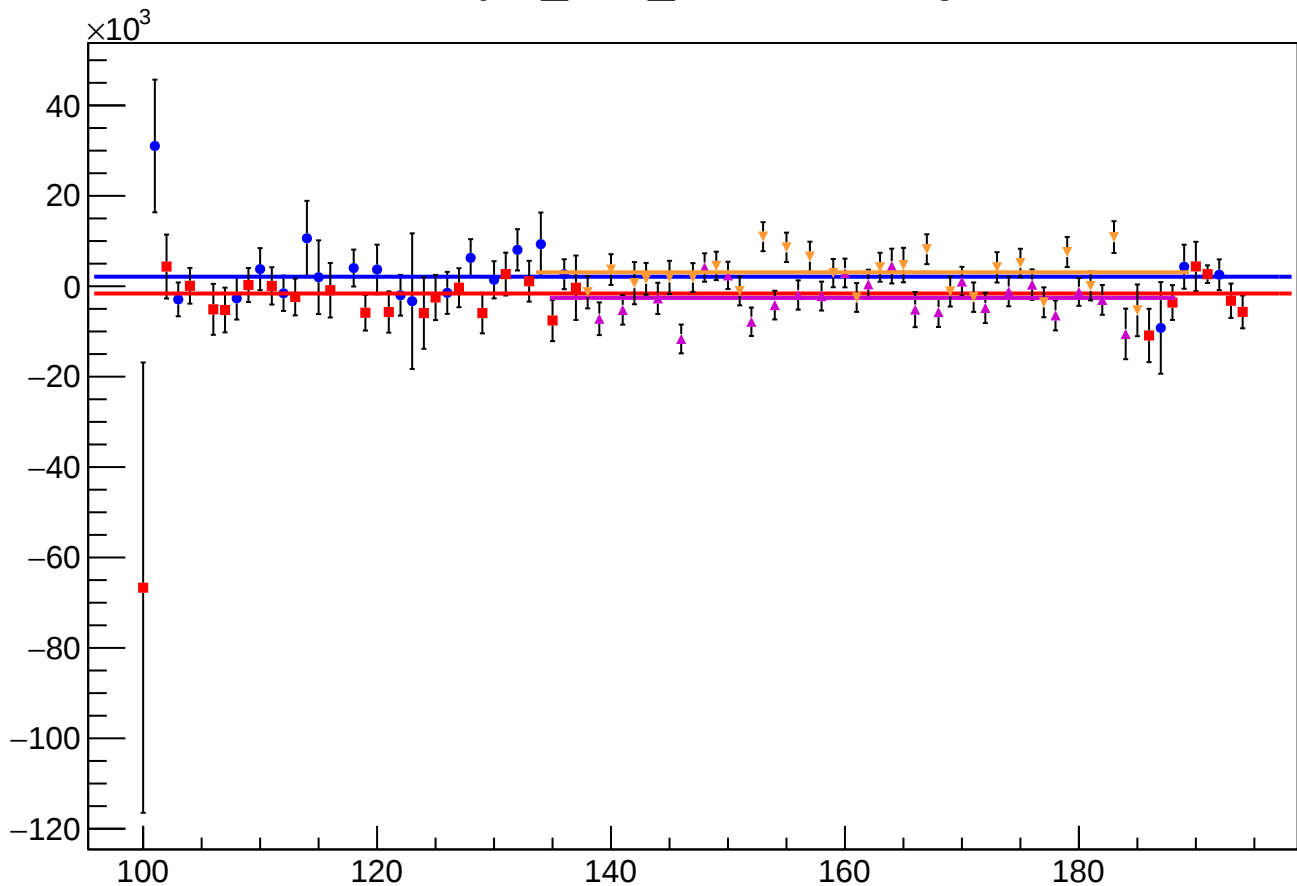
Left In: 775.930+/-0.134 χ^2/NDF : 1056766.5/22

+ sign 722.860+/-0.104 χ^2/NDF : 4453861.1/44

All: 101.208+/-0.025 χ^2/NDF : 91491761.2/92

- sign 61.637+/-0.026 χ^2/NDF : 49166562.3/47

asym_atr1_mean vs Slug



Right In: 2110.023+/-1070.990 χ^2/NDF : 15.9/19

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

Right Out: -1603.948+/-862.070 χ^2/NDF : 20.5/24

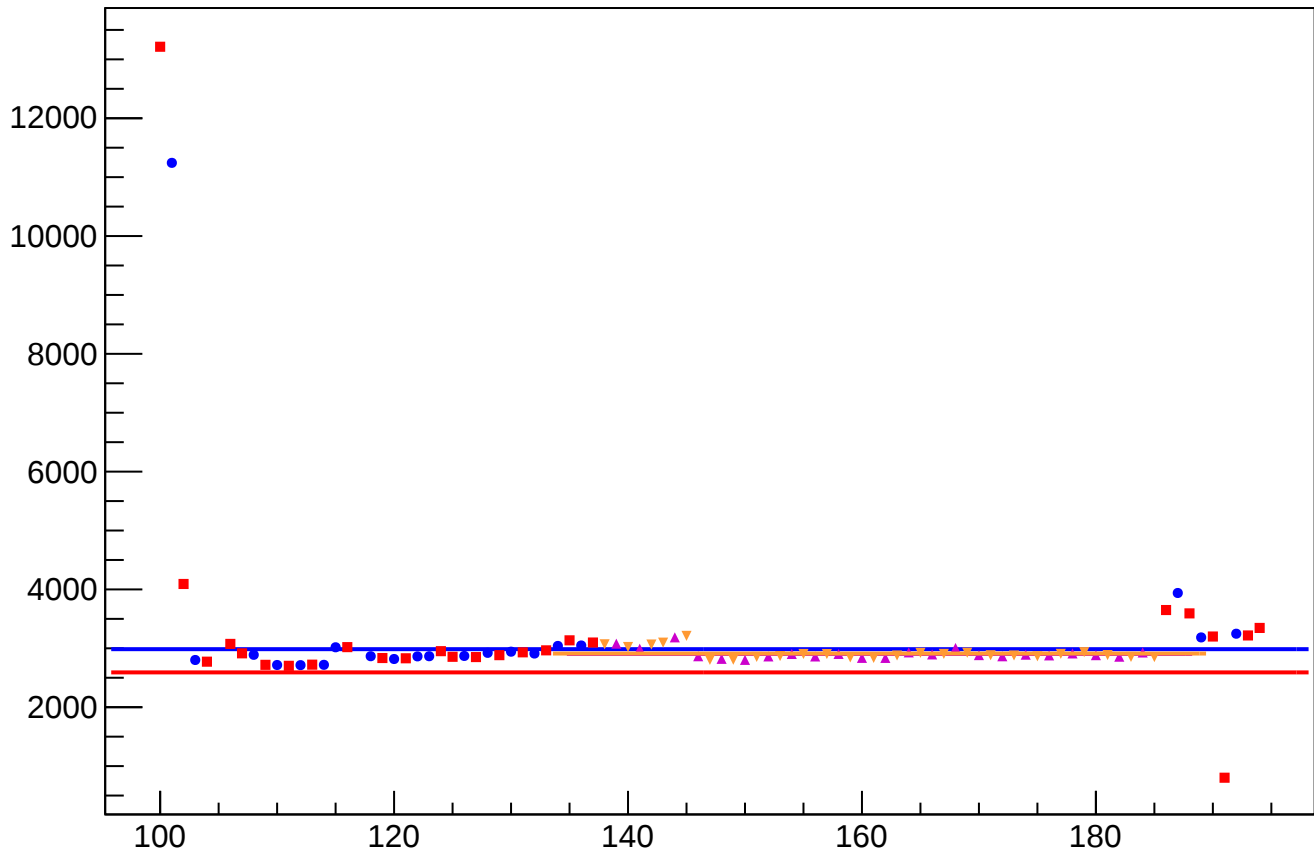
Left In: -2573.184+/-695.795 χ^2/NDF : 35.7/22

+ sign 2812.767+/-573.166 χ^2/NDF : 55.2/44

All: 168.645+/-393.593 χ^2/NDF : 152.4/92

- sign -2190.850+/-541.439 χ^2/NDF : 56.9/47

asym_atr1_rms vs Slug



Right In: 2985.429+/-0.757 χ^2/NDF : 699448.1/19

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

Right Out: 2591.026+/-0.610 χ^2/NDF : 2376447.7/24

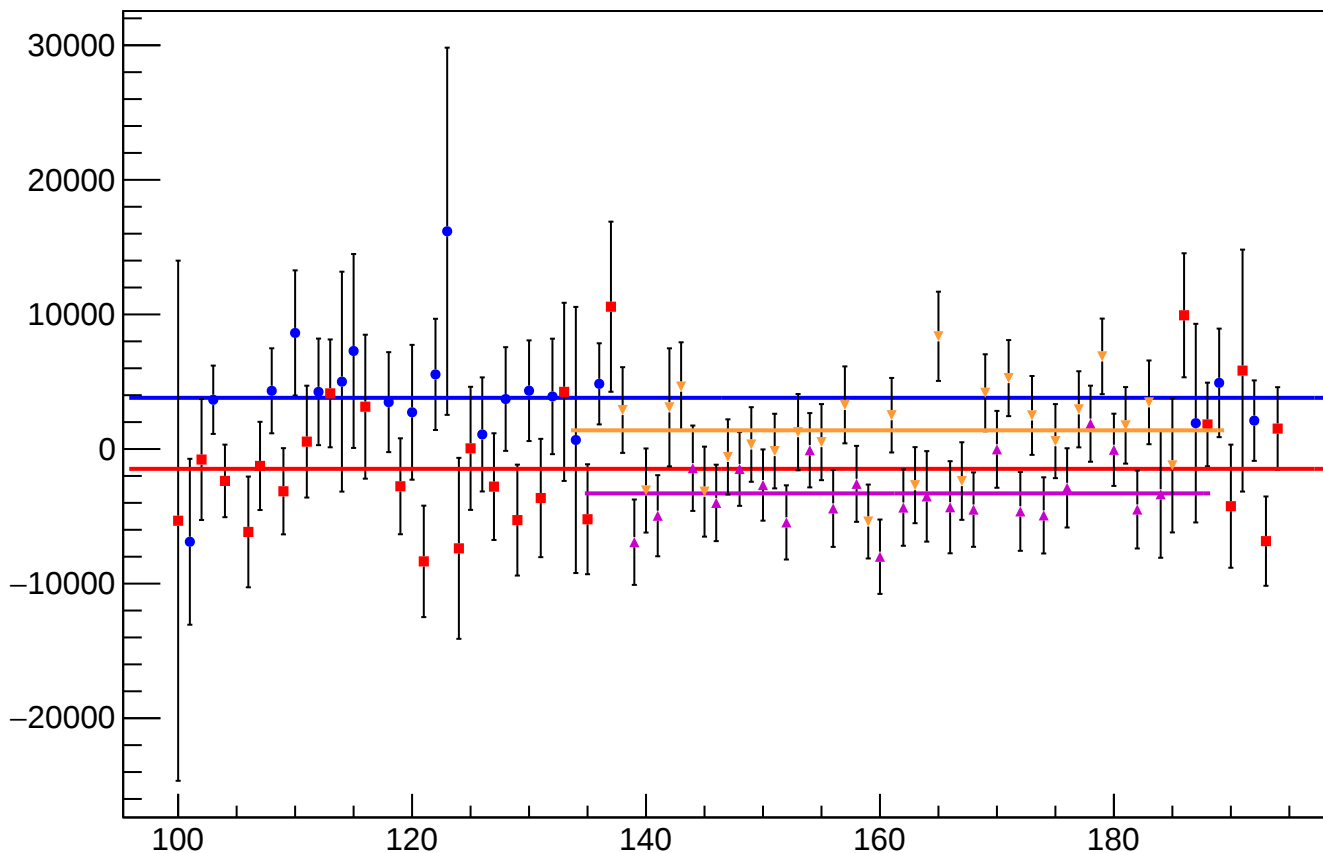
Left In: 2903.411+/-0.492 χ^2/NDF :28838.5/22

+ sign 2932.478+/-0.405 χ^2/NDF : 742943.3/44

All: 2852.000+/-0.278 χ^2/NDF : 3381868.7/92

- sign 2780.184+/-0.383 χ^2/NDF : 2564309.4/47

reg_asym_atr2_mean vs Slug



Right In: 3803.741 $\pm$ 927.056 χ^2 /NDF: 6.6/19

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

Right Out: -1472.481 $\pm$ 818.919 χ^2 /NDF: 26.7/24

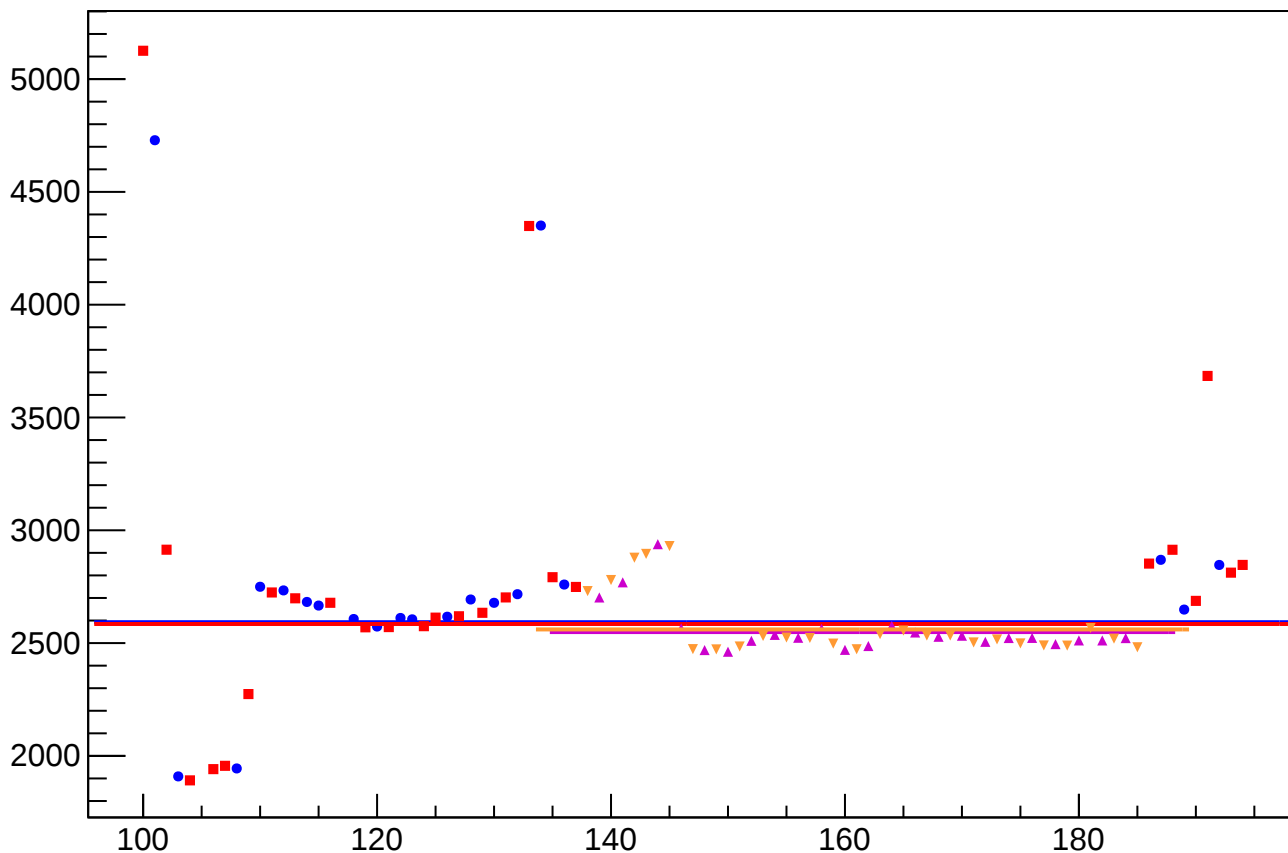
Left In: -3295.367 $\pm$ 609.991 χ^2 /NDF:14.9/22

+ sign 2096.942 $\pm$ 501.641 χ^2 /NDF: 40.5/44

All: -333.524 $\pm$ 350.230 χ^2 /NDF: 131.1/92

- sign -2644.877 $\pm$ 489.194 χ^2 /NDF: 44.8/47

reg_asym_atr2_rms vs Slug



Right In: 2592.535 $\pm$ 0.656 χ^2 /NDF: 566210.1/19

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

Right Out: 2584.699 $\pm$ 0.579 χ^2 /NDF: 558083.5/24

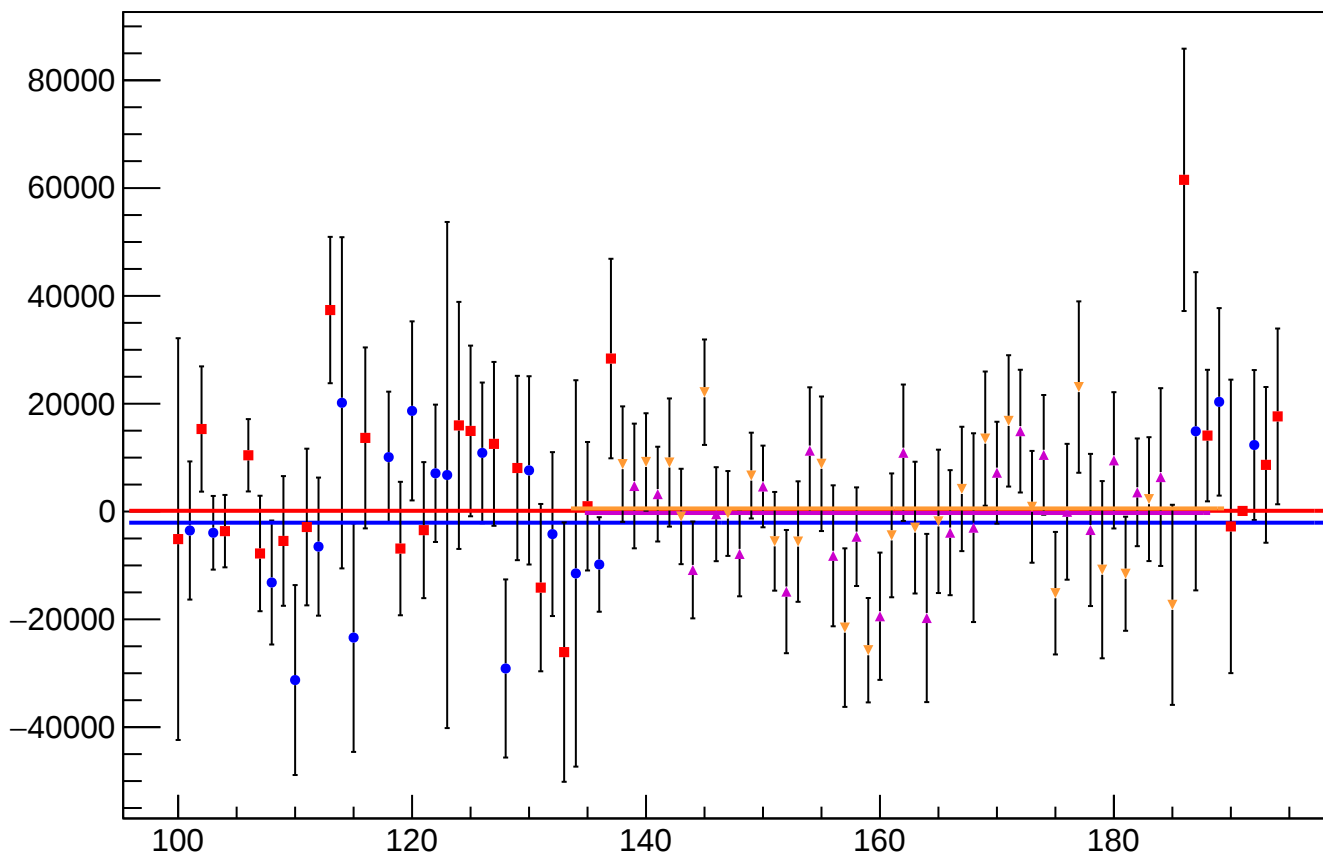
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF:55266.2/22

+ sign 2569.902 $\pm$ 0.355 χ^2 /NDF: 654667.1/44

All: 2565.675 $\pm$ 0.248 χ^2 /NDF: 1270756.1/92

- sign 2561.655 $\pm$ 0.346 χ^2 /NDF: 615811.9/47

asym_atr2_correction_mean vs Slug



Right In: -2071.932 ± 3082.699 χ^2/NDF : 16.4/19

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

Right Out: 136.224 ± 195.027 χ^2/NDF : 29.6/24

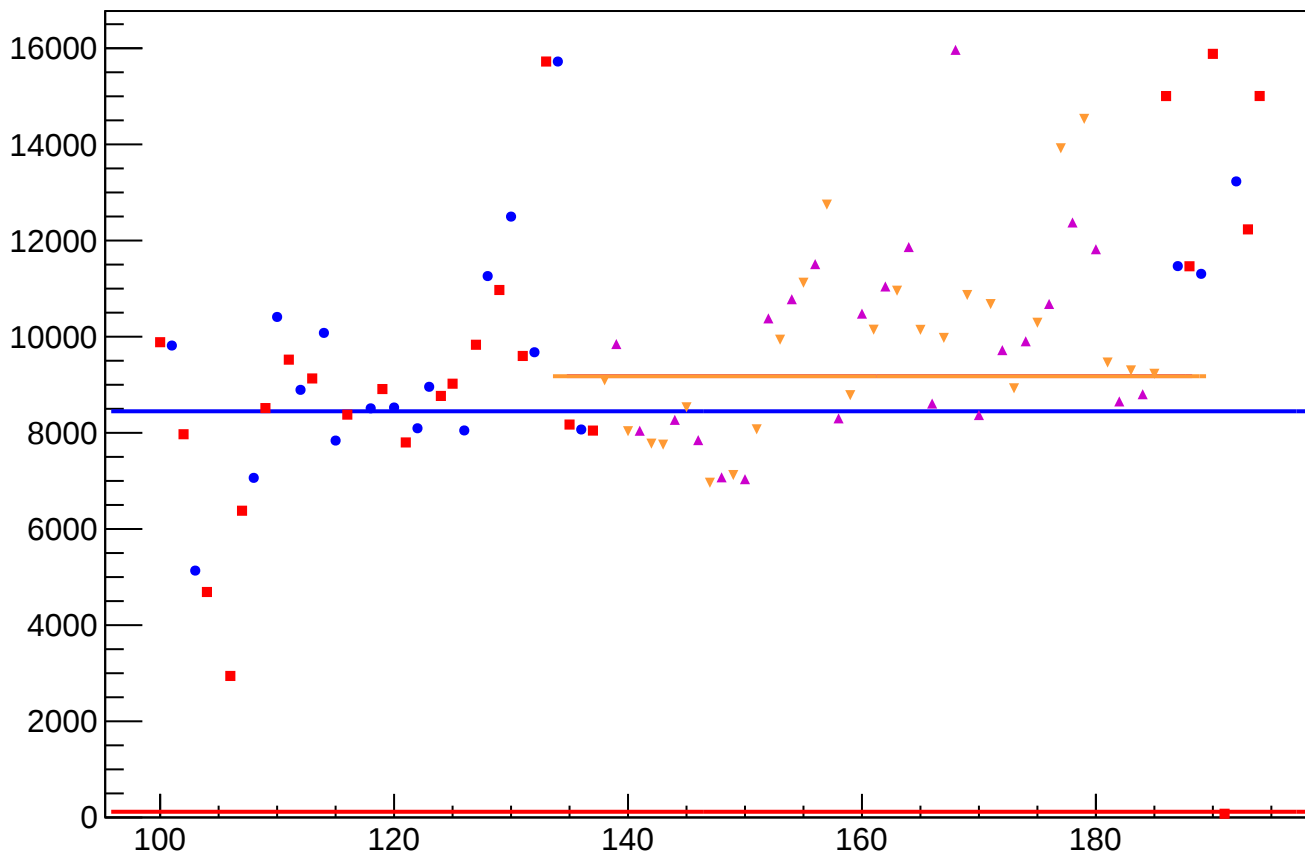
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -311.460 ± 1782.287 χ^2/NDF : 45.2/44

All: 127.916 ± 193.149 χ^2/NDF : 90.5/92

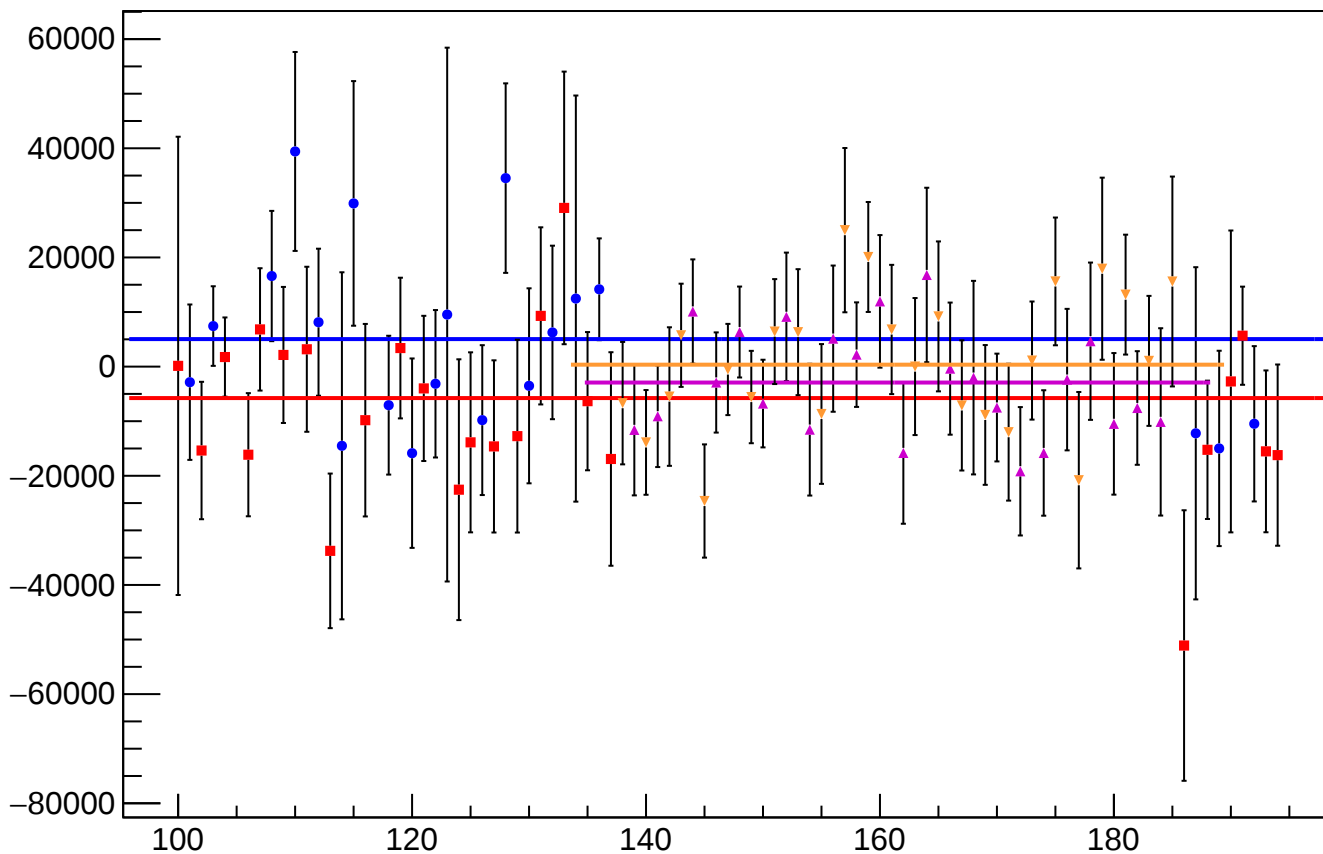
- sign 133.137 ± 194.293 χ^2/NDF : 45.3/47

asym_atr2_correction_rms vs Slug



Right In: 8448.591+/-2.180	χ^2/NDF : 1136406.5/19	+ sign 8933.975+/-1.260	χ^2/NDF : 2387082.2/44
Left Out: 9177.688+/-1.545	χ^2/NDF : 1176195.8/24	All: 289.257+/-0.137	χ^2/NDF : 103309715.4/9
Right Out: 118.512+/-0.138	χ^2/NDF : 19664905.4/24	- sign 186.523+/-0.137	χ^2/NDF : 53311647.0/47
Left In: 9181.254+/-1.586	χ^2/NDF : 1236469.7/22		

asym_atr2_mean vs Slug



Right In: 5042.983+/-3248.617 χ^2/NDF : 17.4/19

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

Right Out: -5762.992+/-2784.039 χ^2/NDF : 19.7/24

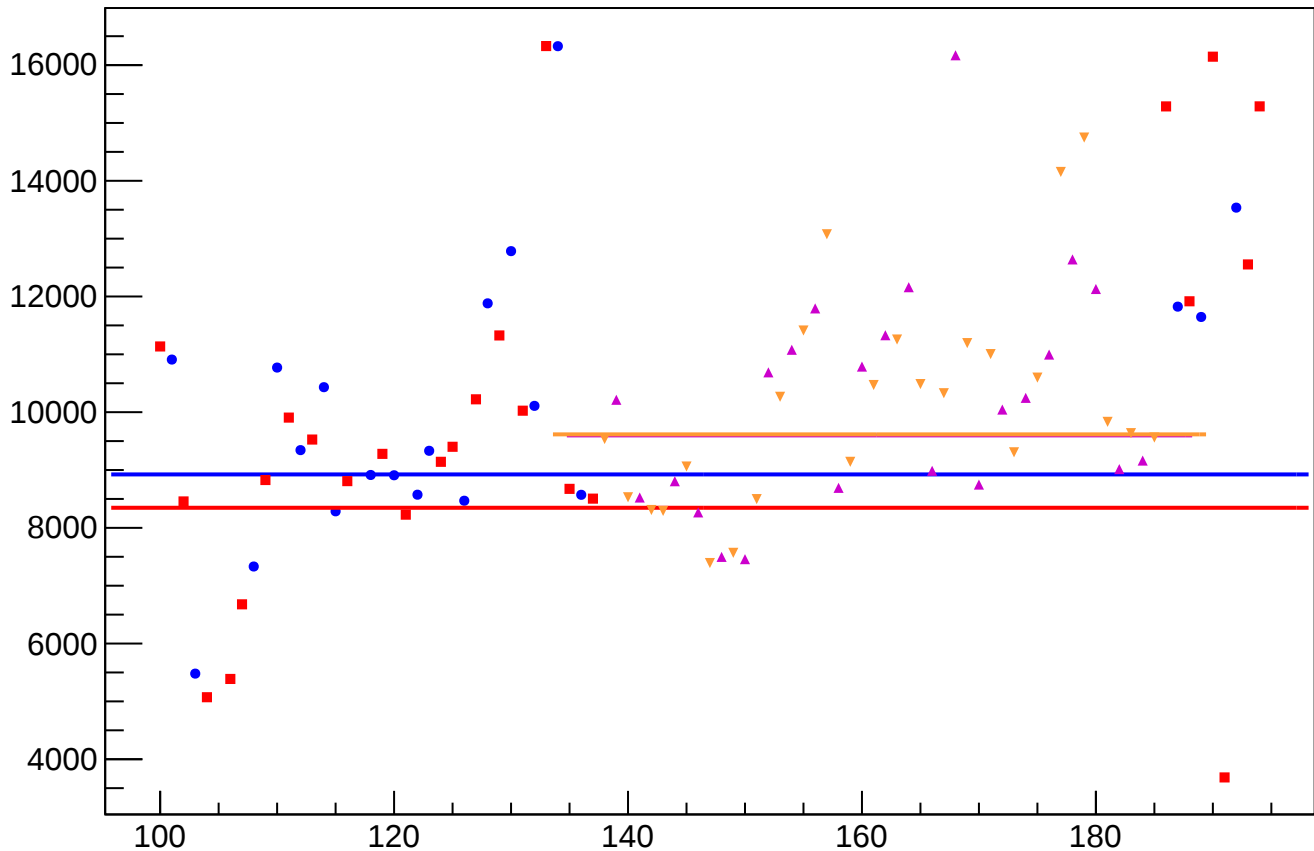
Left In: -2918.356+/-2338.461 χ^2/NDF : 14.9/22

+ sign 1904.124+/-1867.159 χ^2/NDF : 45.0/44

All: -1220.975+/-1292.368 χ^2/NDF : 85.6/92

- sign -4095.093+/-1790.613 χ^2/NDF : 35.3/47

asym_atr2_rms vs Slug



Right In: 8923.882+/-2.297 χ^2/NDF : 1072197.2/19

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

Right Out: 8347.334+/-1.969 χ^2/NDF : 2494732.6/24

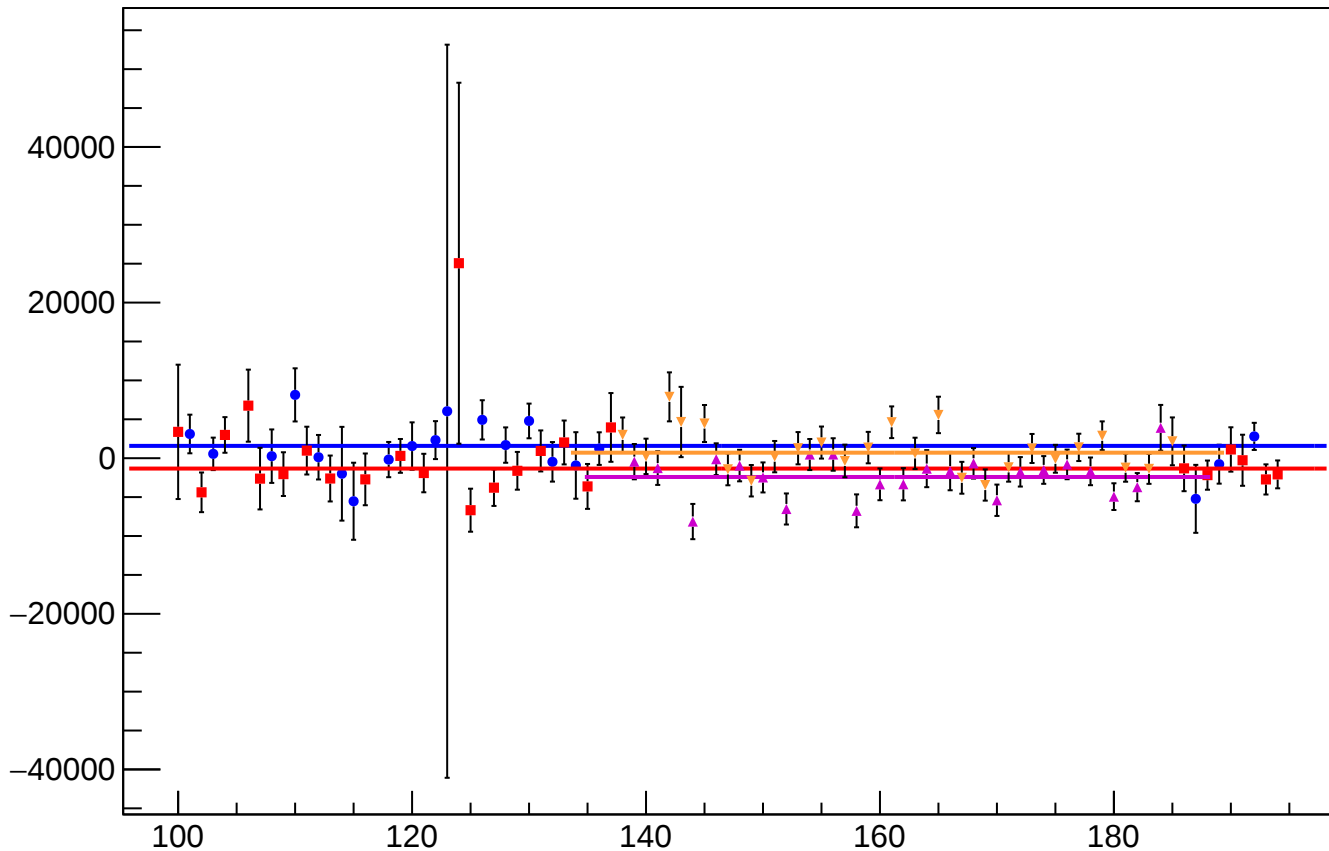
Left In: 9598.531+/-1.654 χ^2/NDF : 1082171.6/22

+ sign 9387.528+/-1.320 χ^2/NDF : 2144697.8/44

All: 9227.812+/-0.914 χ^2/NDF : 5986555.1/92

- sign 9080.927+/-1.266 χ^2/NDF : 3813764.9/47

reg_asym_atl_avg_mean vs Slug



Right In: 1583.646 ± 602.469 χ^2/NDF : 16.5/19

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

Right Out: -1331.499 ± 542.207 χ^2/NDF : 22.2/24

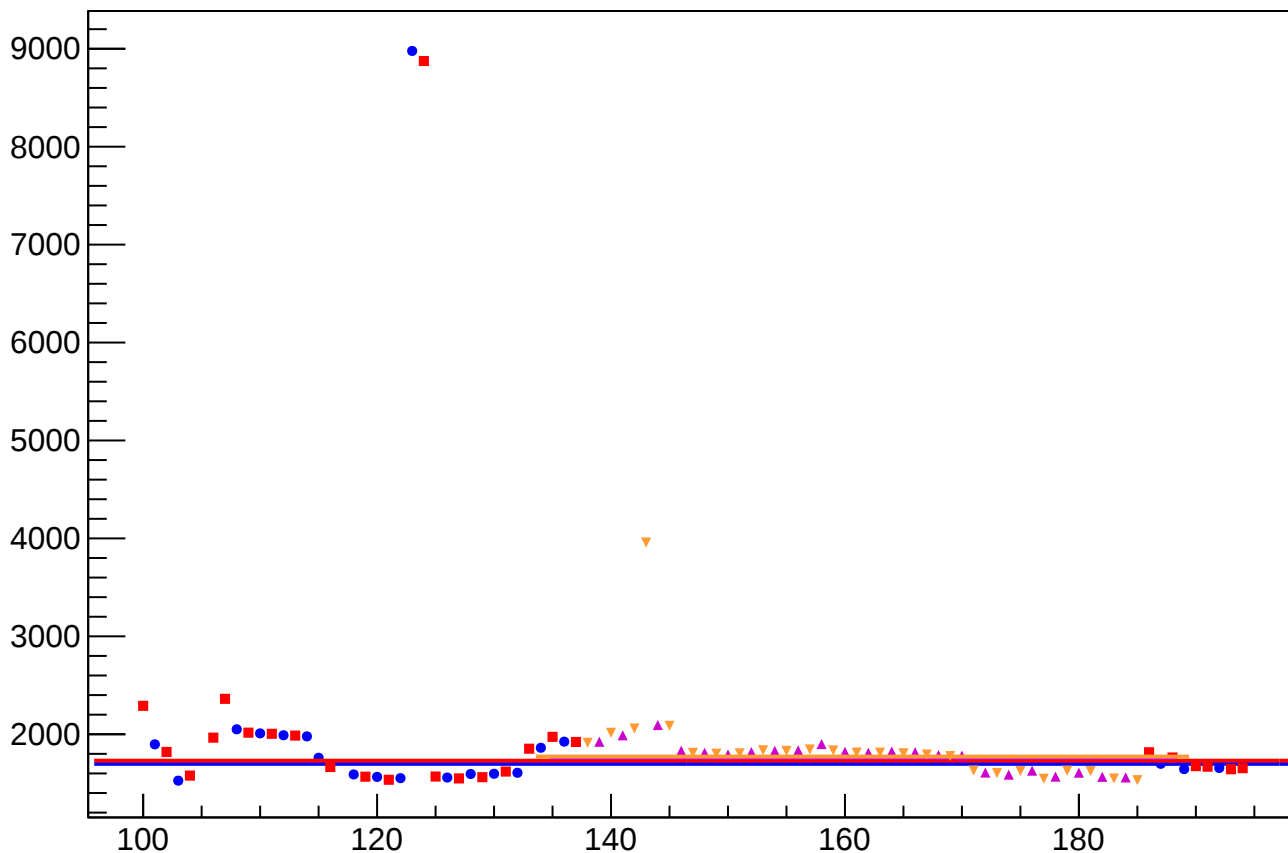
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 993.134 ± 343.089 χ^2/NDF : 52.7/44

All: -546.977 ± 239.228 χ^2/NDF : 150.6/92

- sign -2004.332 ± 333.744 χ^2/NDF : 58.6/47

reg_asym_atl_avg_rms vs Slug



Right In: 1698.061 $\pm$ 0.426 χ^2 /NDF: 198327.1/19

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

Right Out: 1730.056 $\pm$ 0.382 χ^2 /NDF: 409209.6/24

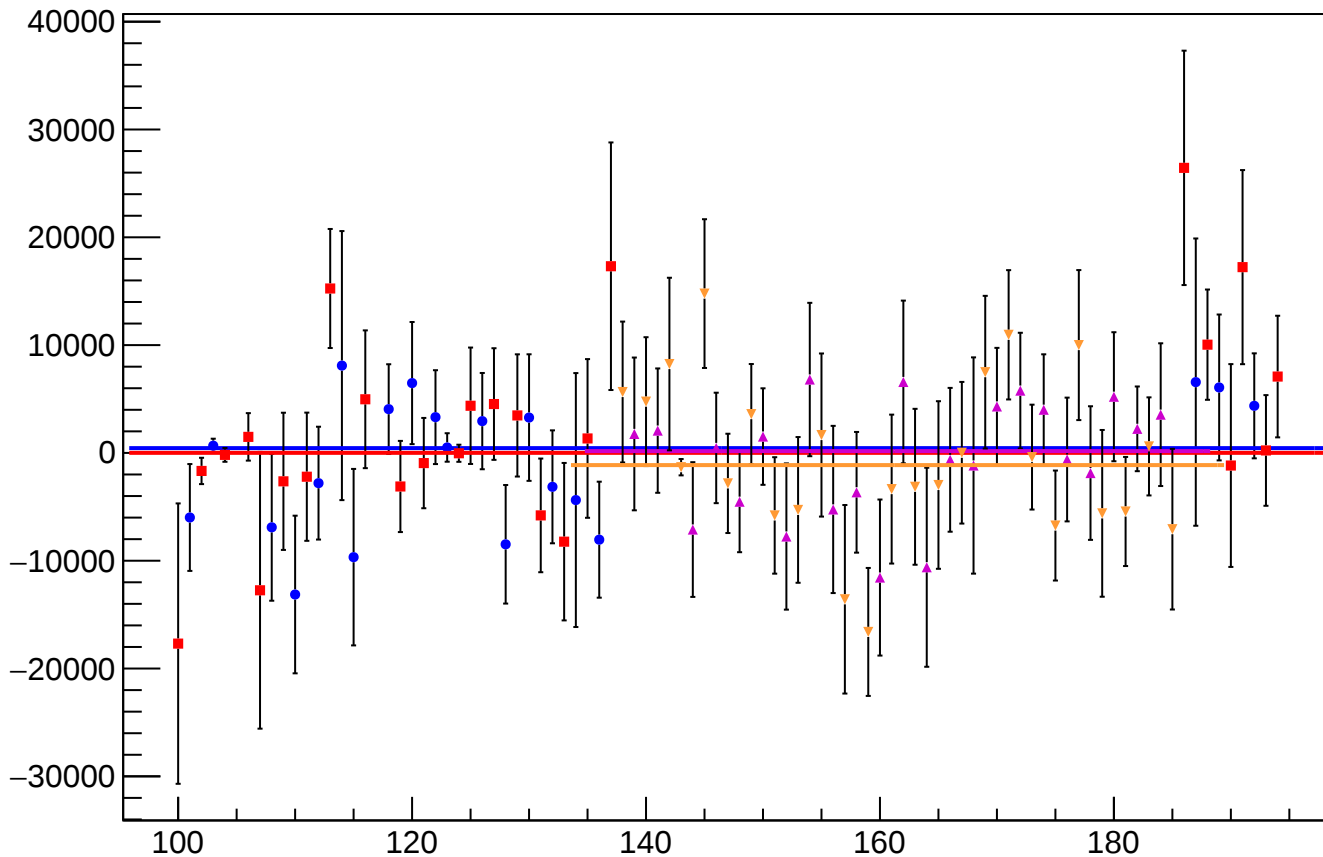
Left In: 1759.600 $\pm$ 0.299 χ^2 /NDF: 214891.5/22

+ sign 1748.053 $\pm$ 0.243 χ^2 /NDF: 921179.2/44

All: 1748.214 $\pm$ 0.169 χ^2 /NDF: 1548982.7/92

- sign 1748.365 $\pm$ 0.236 χ^2 /NDF: 627802.7/47

asym_atl_avg_correction_mean vs Slug



Right In: 444.978 $\pm$ 535.243 χ^2 /NDF: 18.9/19

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

Right Out: 6.905 $\pm$ 428.085 χ^2 /NDF: 36.0/24

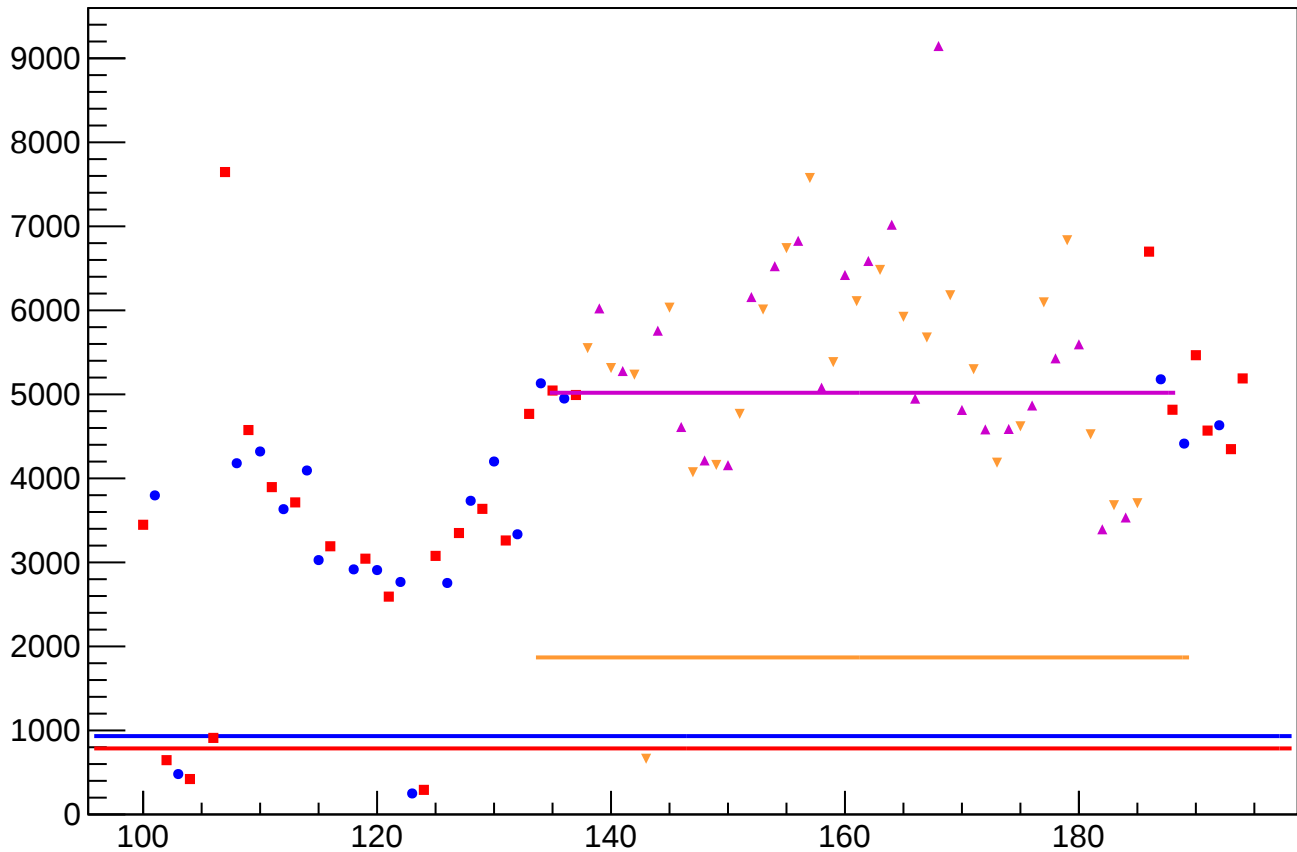
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -194.165 $\pm$ 412.568 χ^2 /NDF: 53.9/44

All: -82.760 $\pm$ 288.792 χ^2 /NDF: 104.2/92

- sign 24.269 $\pm$ 404.384 χ^2 /NDF: 50.2/47

asym_atl_avg_correction_rms vs Slug



Right In: 932.628+/-0.378 χ^2/NDF : 10052085.3/19

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

Right Out: 785.949+/-0.303 χ^2/NDF : 13347471.7/24

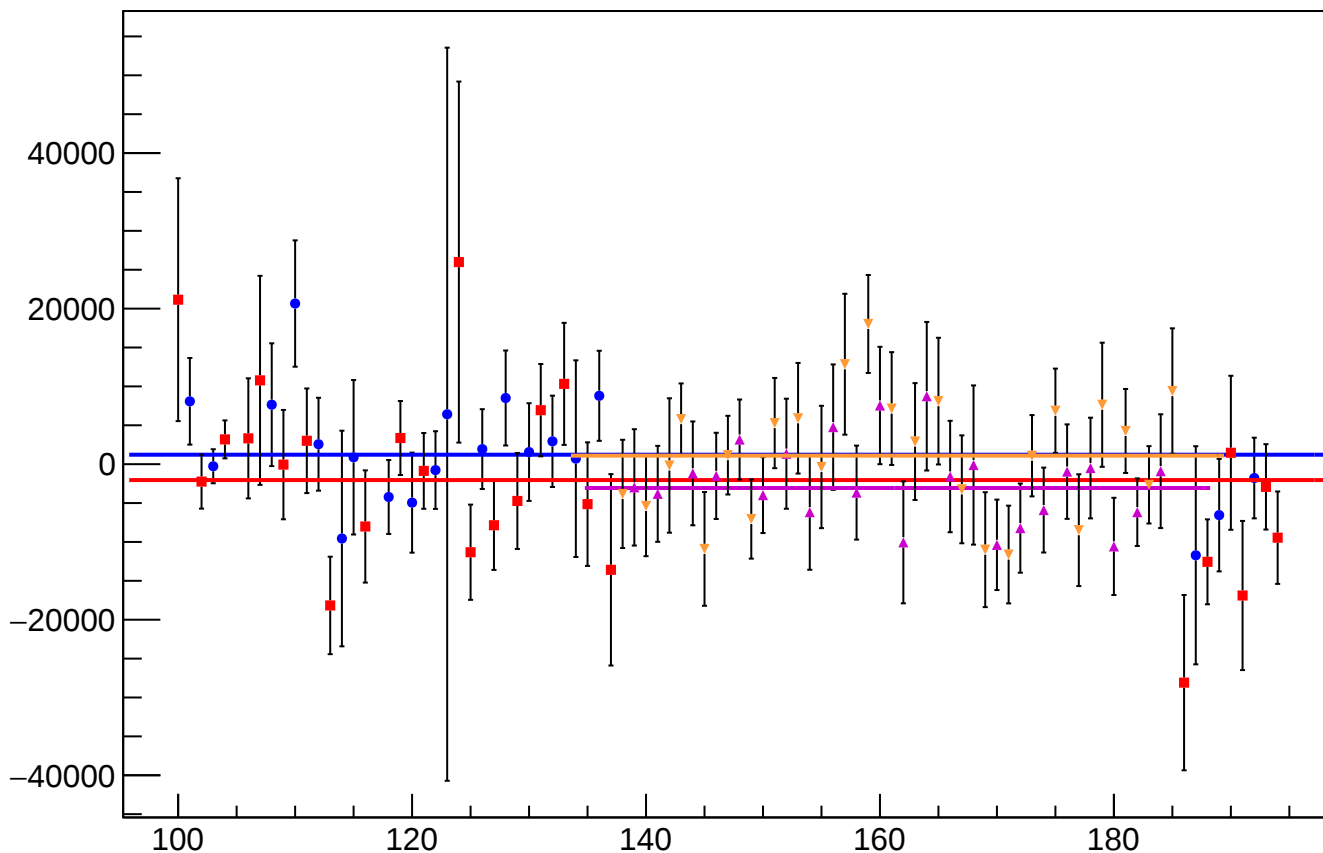
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

+ sign 1312.658+/-0.292 χ^2/NDF : 32388701.0/44

All: 1276.475+/-0.204 χ^2/NDF : 68391408.0/9

- sign 1241.715+/-0.286 χ^2/NDF : 35972546.3/47

asym_atl_avg_mean vs Slug



Right In: 1216.364+/-1248.825 χ^2/NDF : 17.0/19

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

Right Out: -2043.311+/-1173.301 χ^2/NDF : 41.4/24

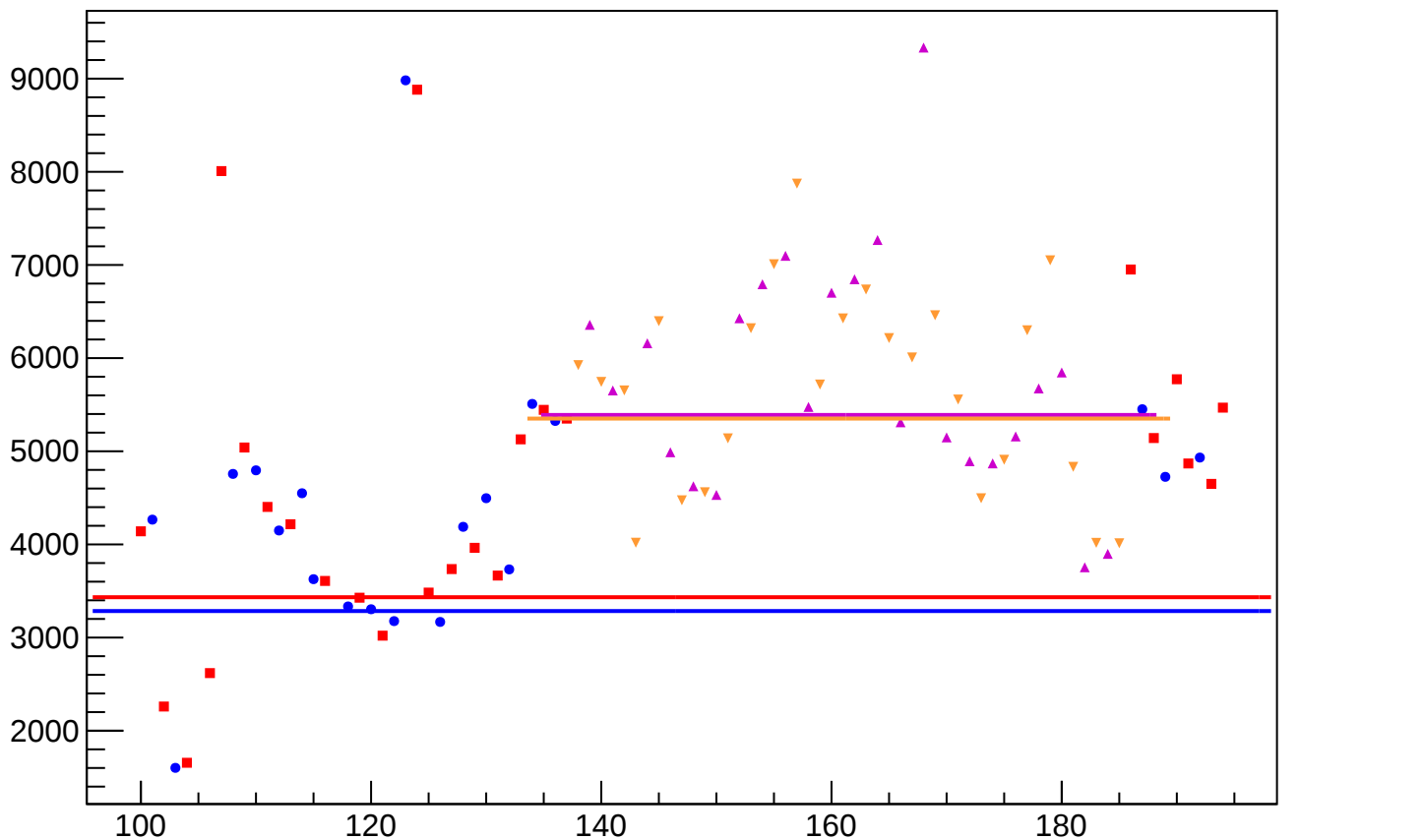
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1156.516+/-891.516 χ^2/NDF : 49.0/44

All: -700.361+/-624.988 χ^2/NDF : 111.8/92

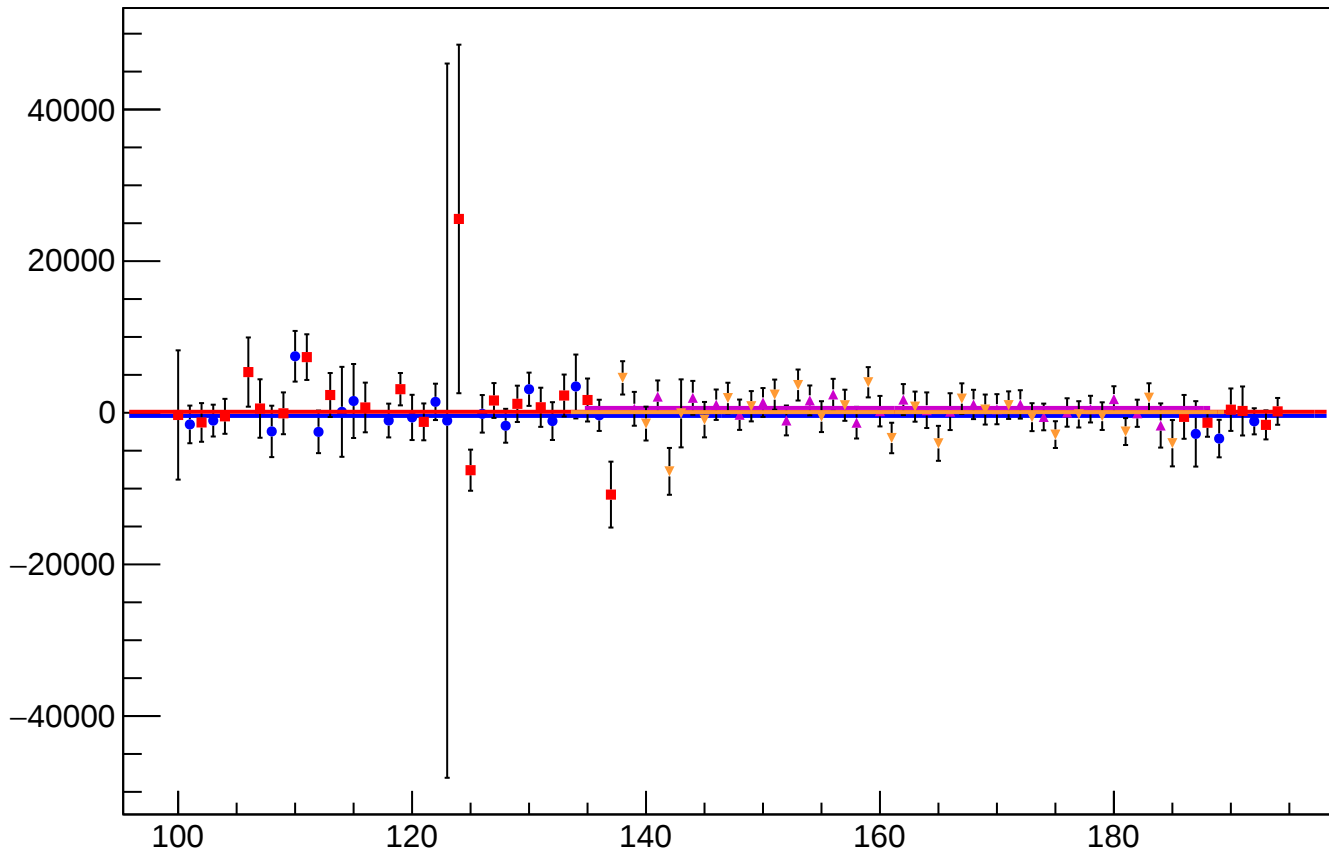
- sign -2494.848+/-876.410 χ^2/NDF : 54.3/47

asym_atl_avg_rms vs Slug



Right In: 3284.750+/-0.883	χ^2/NDF : 2245907.3/19	+ sign 4297.877+/-0.630	χ^2/NDF : 6171737.9/44
Left Out: 5350.804+/-0.900	χ^2/NDF : 1241497.9/24	All: 4291.955+/-0.440	χ^2/NDF : 13013793.2/9
Right Out: 3433.118+/-0.820	χ^2/NDF : 3047015.7/24	- sign 4286.309+/-0.616	χ^2/NDF : 6841882.9/47
Left In: 5389.724+/-0.932	χ^2/NDF : 1309863.0/22		

reg_asym_atl_dd_mean vs Slug



Right In: -413.978 ± 594.398 χ^2/NDF : 13.4/19

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

Right Out: 129.990 ± 534.485 χ^2/NDF : 29.0/24

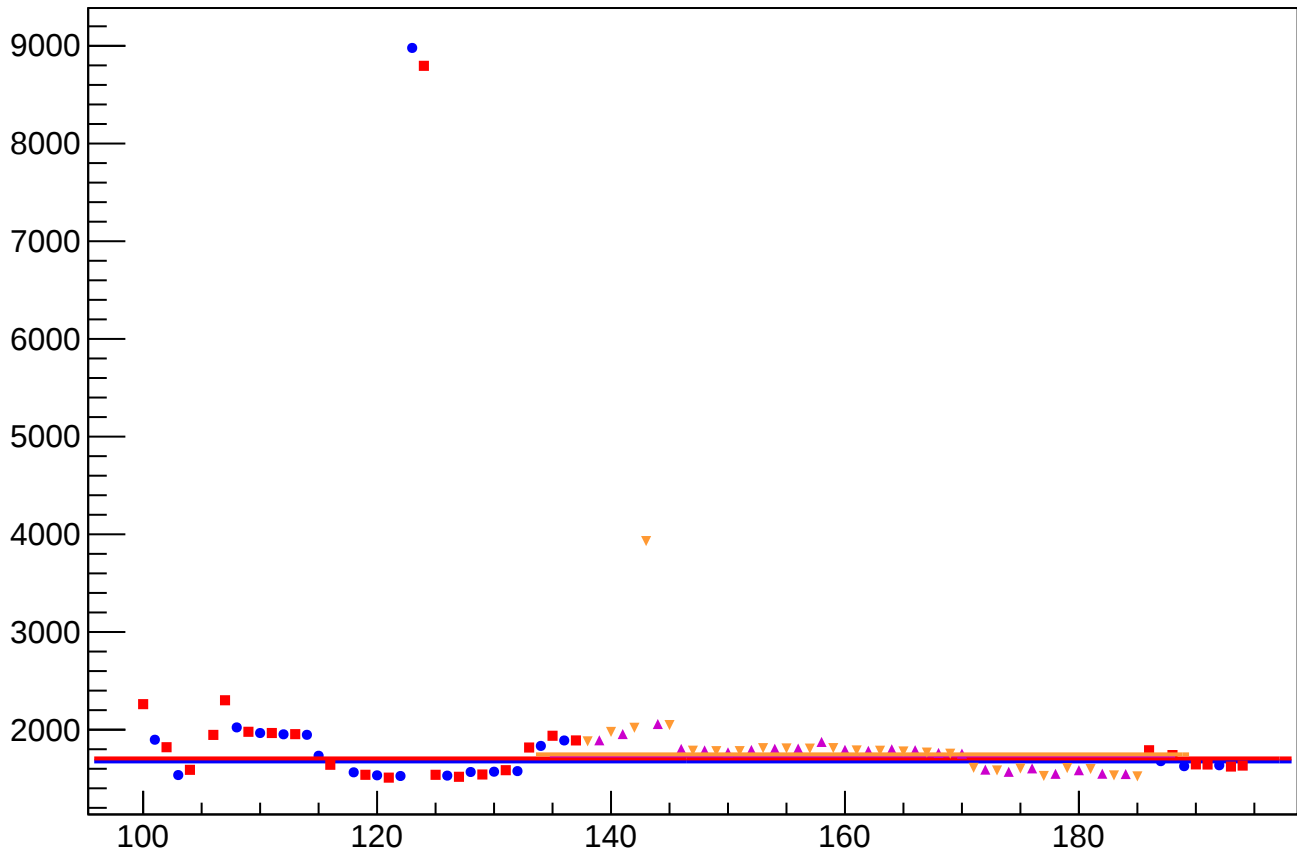
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -75.861 ± 338.351 χ^2/NDF : 49.9/44

All: 192.718 ± 235.908 χ^2/NDF : 86.8/92

- sign 446.798 ± 329.091 χ^2/NDF : 35.7/47

reg_asym_atl_dd_rms vs Slug



Right In: 1675.381+/-0.420 χ^2/NDF : 196242.9/19

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

Right Out: 1705.776+/-0.377 χ^2/NDF : 405135.6/24

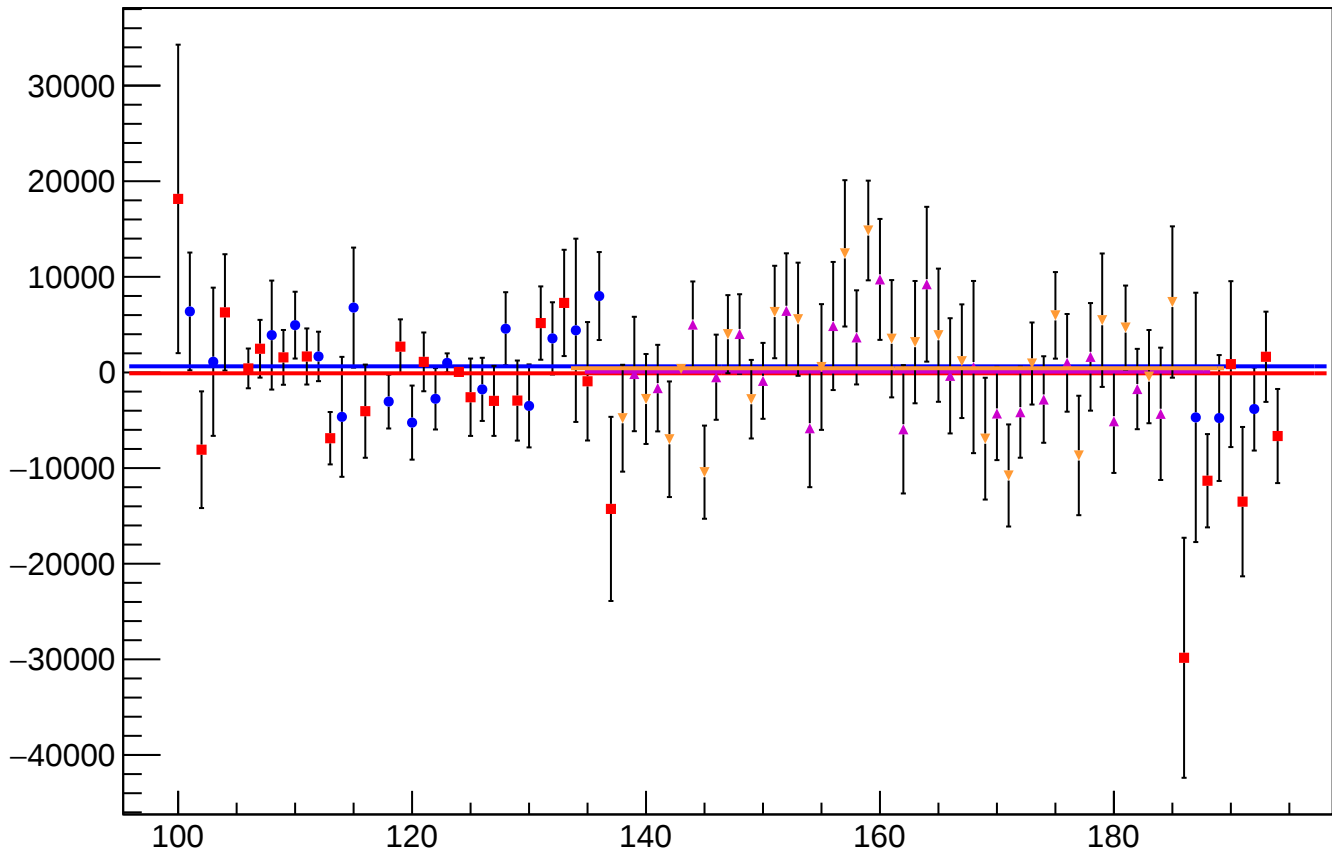
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1724.010+/-0.239 χ^2/NDF : 914238.7/44

All: 1724.116+/-0.167 χ^2/NDF : 1530005.8/92

- sign 1724.217+/-0.232 χ^2/NDF : 615766.7/47

asym_atl_dd_correction_mean vs Slug



Right In: 642.132 ± 692.802 $\chi^2/\text{NDF}: 17.5/19$

Left Out: 442.187 ± 440.335 $\chi^2/\text{NDF}: 33.9/24$

Right Out: -87.959 ± 353.619 $\chi^2/\text{NDF}: 36.7/24$

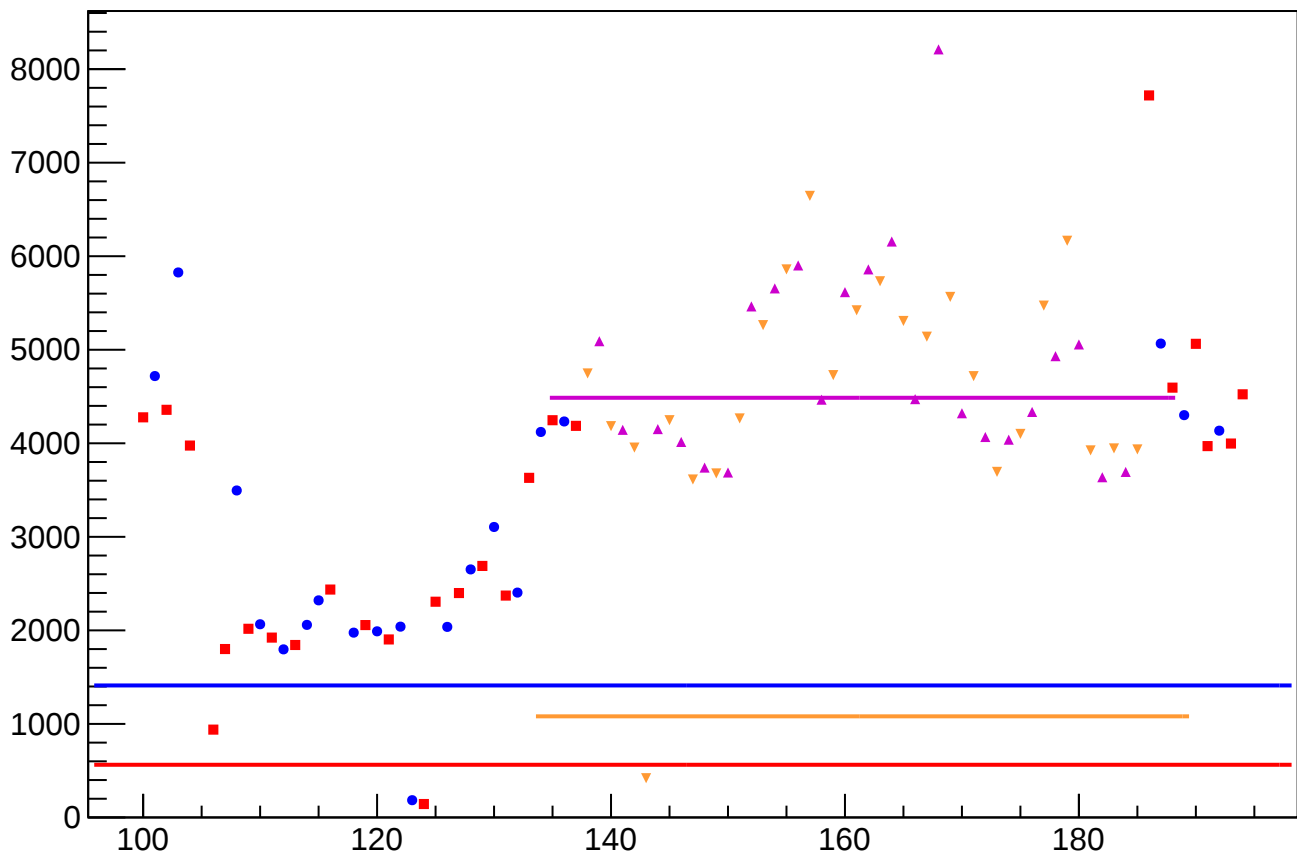
Left In: 88.508 ± 1094.838 $\chi^2/\text{NDF}: 13.4/22$

+ sign 499.718 ± 371.624 $\chi^2/\text{NDF}: 51.5/44$

All: 185.963 ± 249.438 $\chi^2/\text{NDF}: 102.9/92$

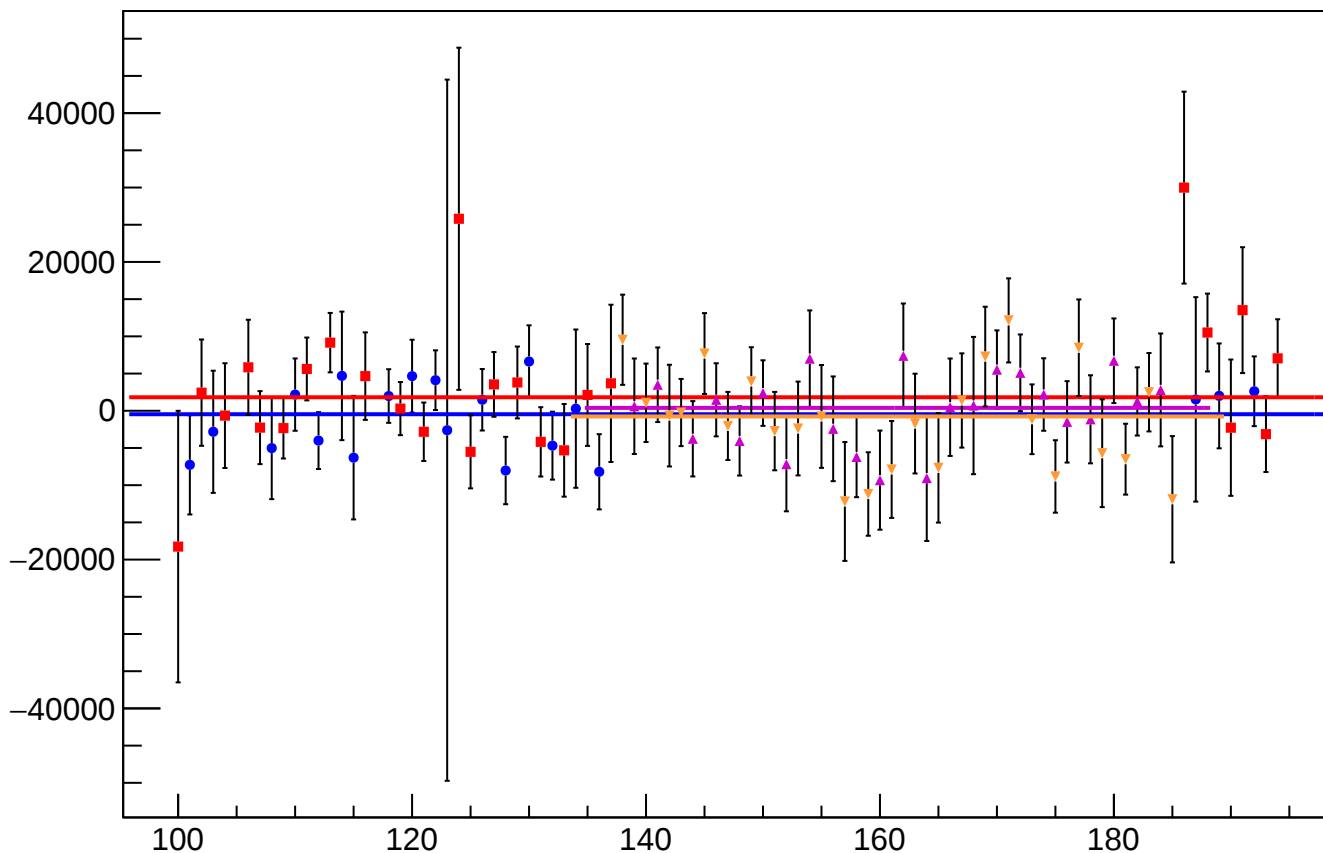
- sign -71.289 ± 336.502 $\chi^2/\text{NDF}: 50.2/47$

asym_atl_dd_correction_rms vs Slug



Right In: 1411.184 $\pm$ 0.490	χ^2 /NDF: 7891662.9/19	+ sign 1176.008 $\pm$ 0.263	χ^2 /NDF: 32671468.9/44
Left Out: 1081.004 $\pm$ 0.311	χ^2 /NDF: 24456244.2/24	All: 1042.919 $\pm$ 0.176	χ^2 /NDF: 73091245.6/9
Right Out: 563.171 $\pm$ 0.250	χ^2 /NDF: 15514025.1/24	- sign 933.799 $\pm$ 0.238	χ^2 /NDF: 39952954.0/47
Left In: 4486.570 $\pm$ 0.774	χ^2 /NDF: 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -465.377 ± 1199.241 χ^2/NDF : 15.3/19

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

Right Out: 1814.510 ± 1088.165 χ^2/NDF : 27.7/24

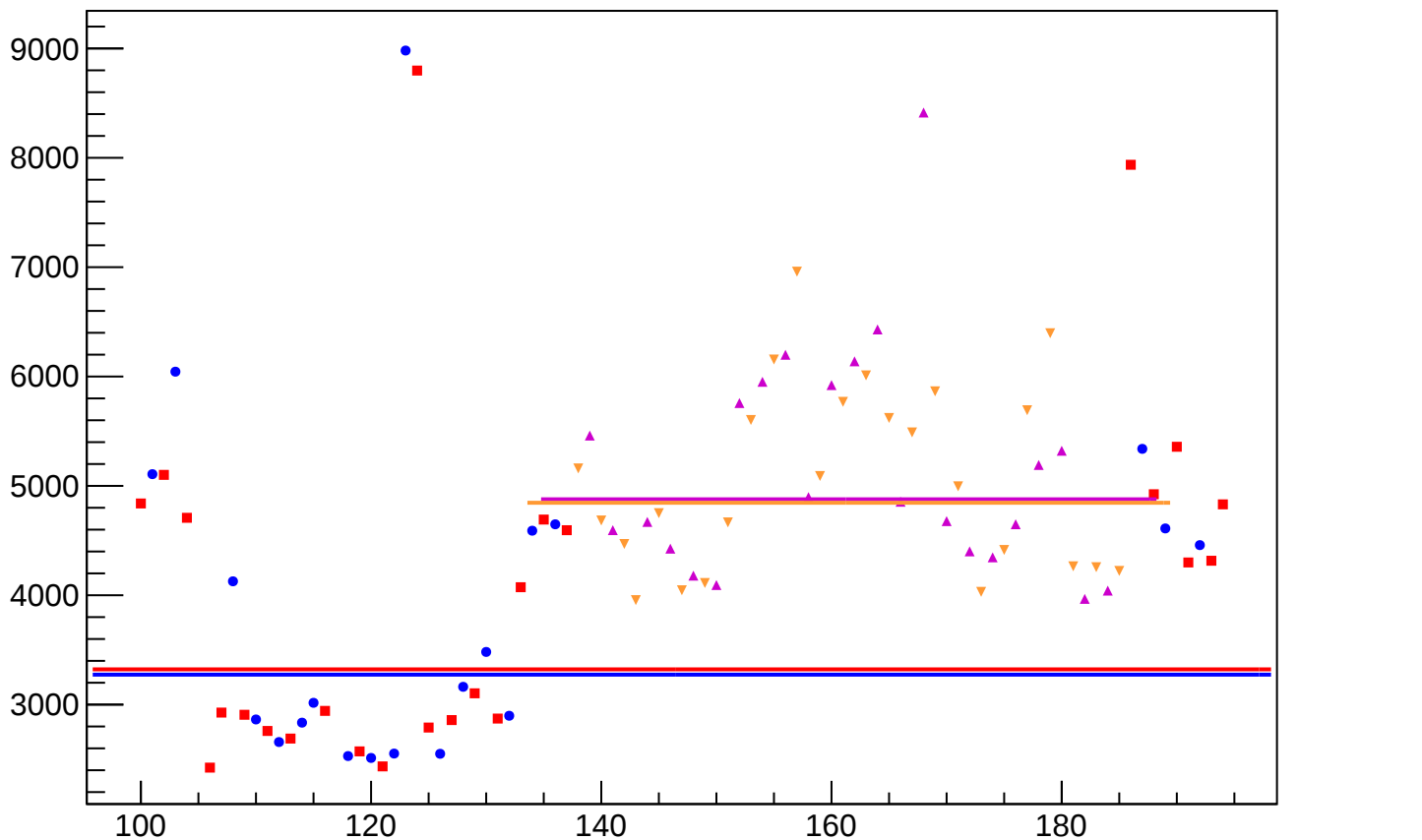
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -622.334 ± 829.045 χ^2/NDF : 45.3/44

All: 300.099 ± 576.387 χ^2/NDF : 90.4/92

- sign 1163.120 ± 801.902 χ^2/NDF : 42.7/47

asym_atl_dd_rms vs Slug



Right In: 3274.054+/-0.848 χ^2/NDF : 1214556.6/19

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

Right Out: 3322.400+/-0.761 χ^2/NDF : 1732760.6/24

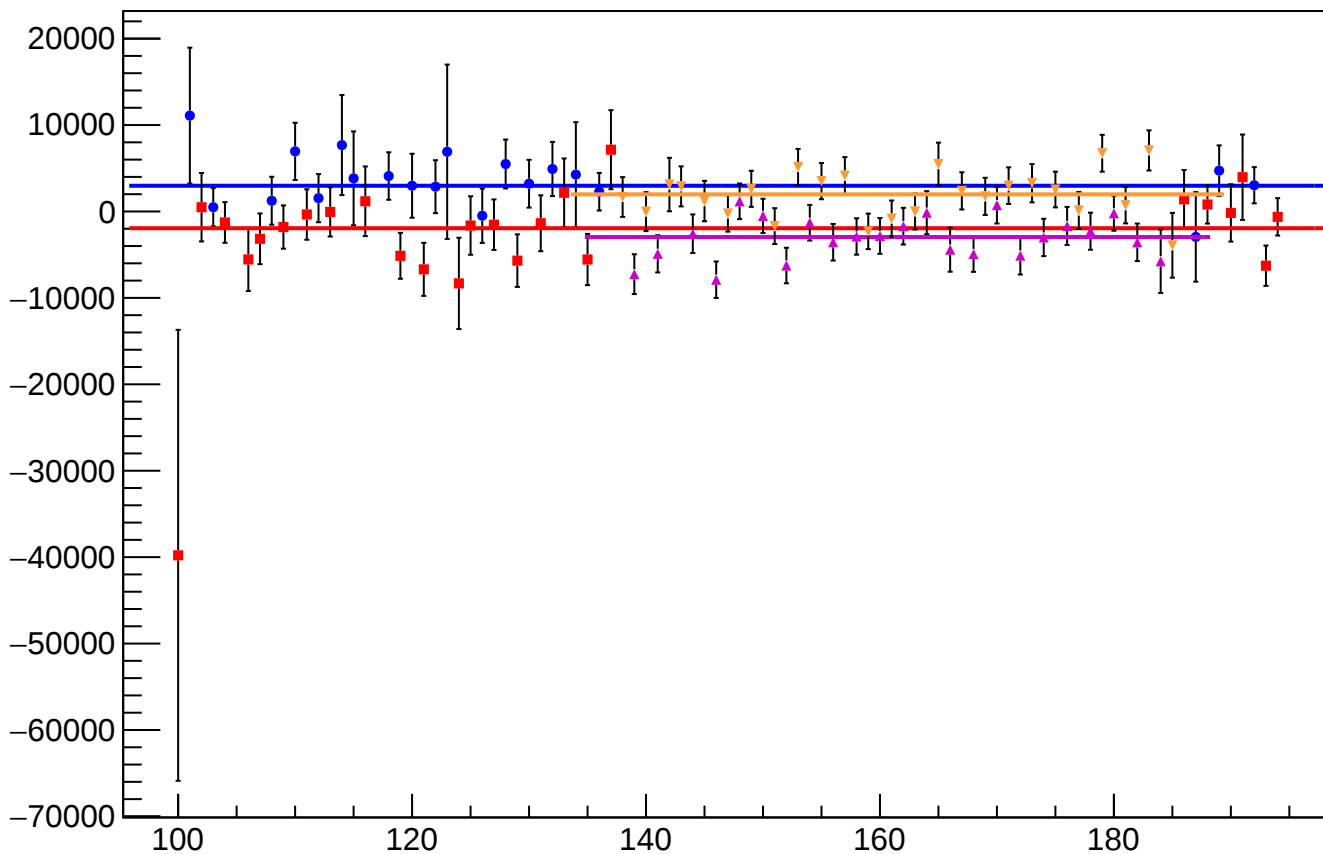
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4094.637+/-0.586 χ^2/NDF : 3917307.0/44

All: 4058.397+/-0.406 χ^2/NDF : 8500223.4/92

- sign 4024.877+/-0.564 χ^2/NDF : 4575559.8/47

reg_asym_atr_avg_mean vs Slug



Right In: 2976.416 ± 700.783 χ^2/NDF : 9.6/19

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

Right Out: -1936.921 ± 615.836 χ^2/NDF : 26.5/24

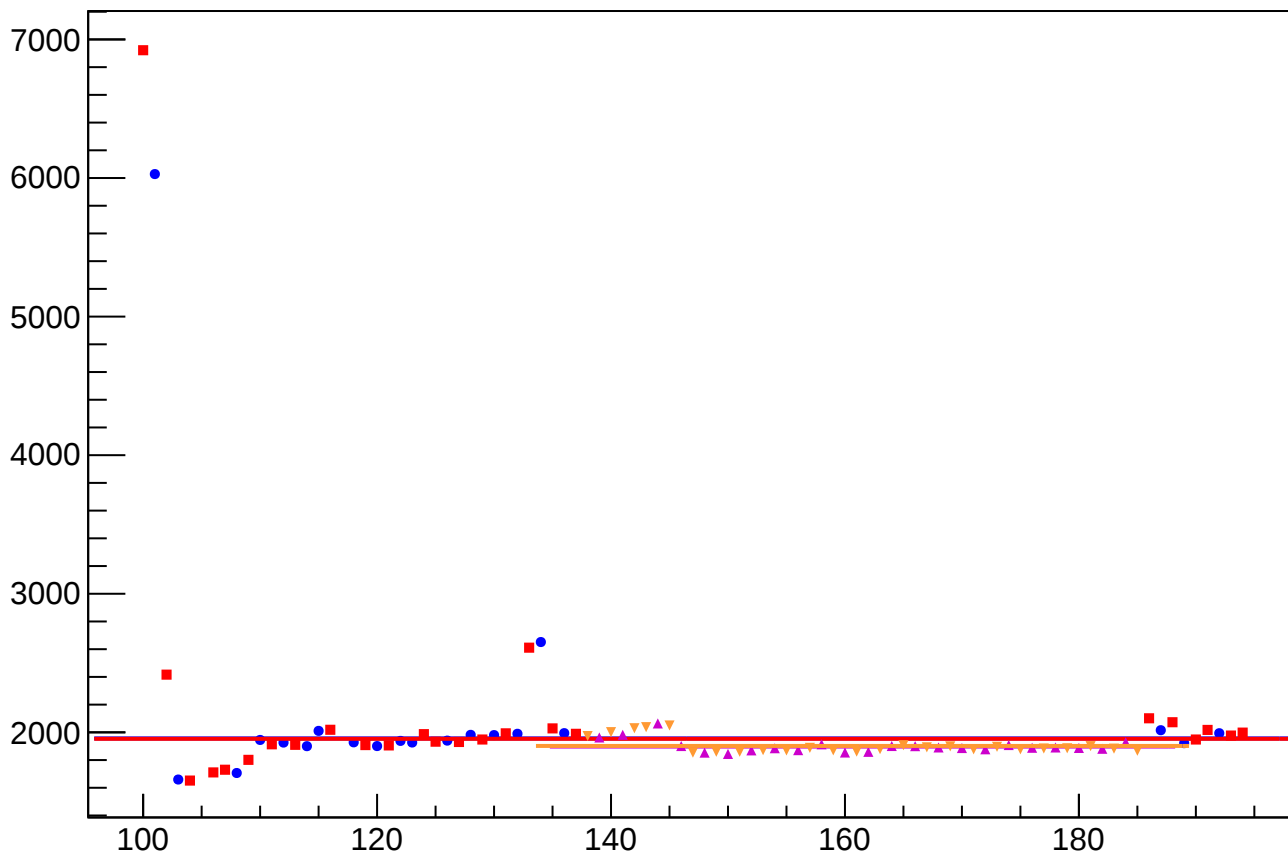
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2268.574 ± 374.570 χ^2/NDF : 43.5/44

All: -222.145 ± 261.675 χ^2/NDF : 186.6/92

- sign -2596.542 ± 365.718 χ^2/NDF : 56.7/47

reg_asym_atr_avg_rms vs Slug



Right In: 1956.188 $\pm$ 0.496 χ^2 /NDF: 618621.5/19

Left Out: 1901.884 $\pm$ 0.313 χ^2 /NDF: 30446.9/24

Right Out: 1953.329 $\pm$ 0.435 χ^2 /NDF: 231719.6/24

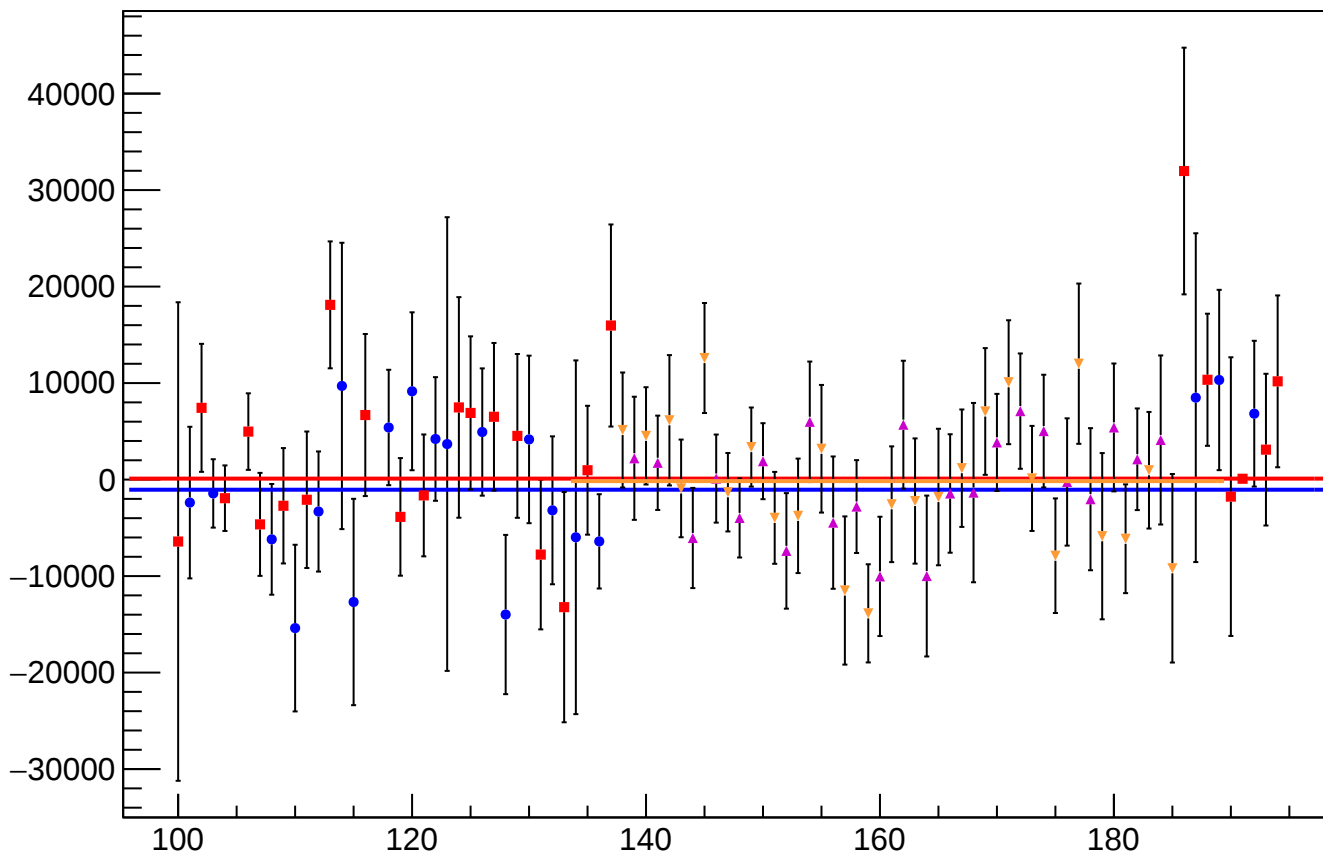
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF: 21180.1/22

+ sign 1917.398 $\pm$ 0.265 χ^2 /NDF: 657646.9/44

All: 1917.297 $\pm$ 0.185 χ^2 /NDF: 921226.2/92

- sign 1917.202 $\pm$ 0.258 χ^2 /NDF: 263579.0/47

asym_atr_avg_correction_mean vs Slug



Right In: -1050.617 $\pm$ 1594.875 χ^2 /NDF: 16.7/19

Left Out: -157.539 $\pm$ 1165.844 χ^2 /NDF: 29.5/24

Right Out: 100.133 $\pm$ 109.606 χ^2 /NDF: 29.5/24

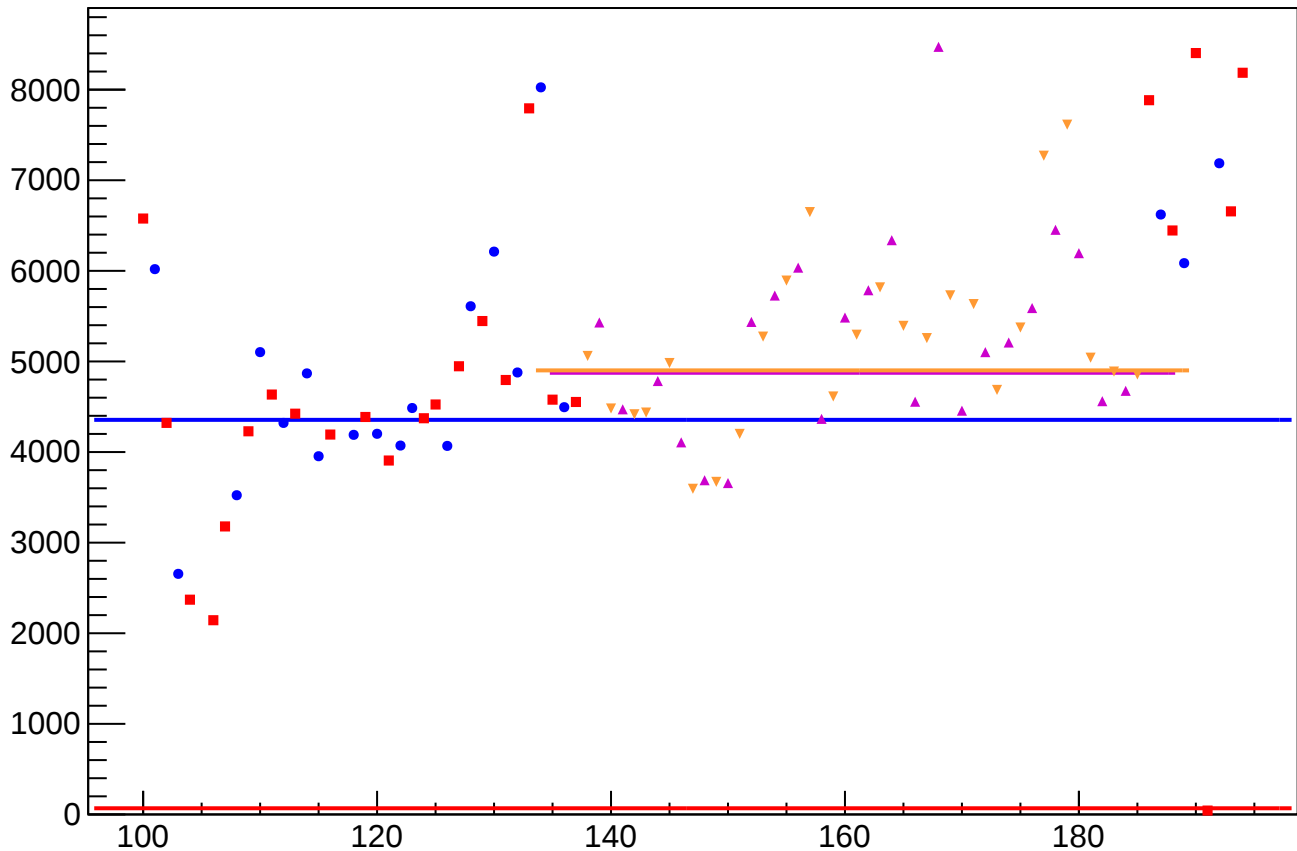
Left In: -139.000 $\pm$ 1190.889 χ^2 /NDF: 14.7/22

+ sign -468.562 $\pm$ 941.191 χ^2 /NDF: 46.4/44

All: 90.605 $\pm$ 108.418 χ^2 /NDF: 91.1/92

- sign 98.125 $\pm$ 109.144 χ^2 /NDF: 44.3/47

asym_atr_avg_correction_rms vs Slug



Right In: 4355.405+/-1.128 χ^2/NDF : 1236211.1/19

Left Out: 4901.357+/-0.824 χ^2/NDF : 1136916.0/24

Right Out: 68.215+/-0.078 χ^2/NDF : 19729475.5/24

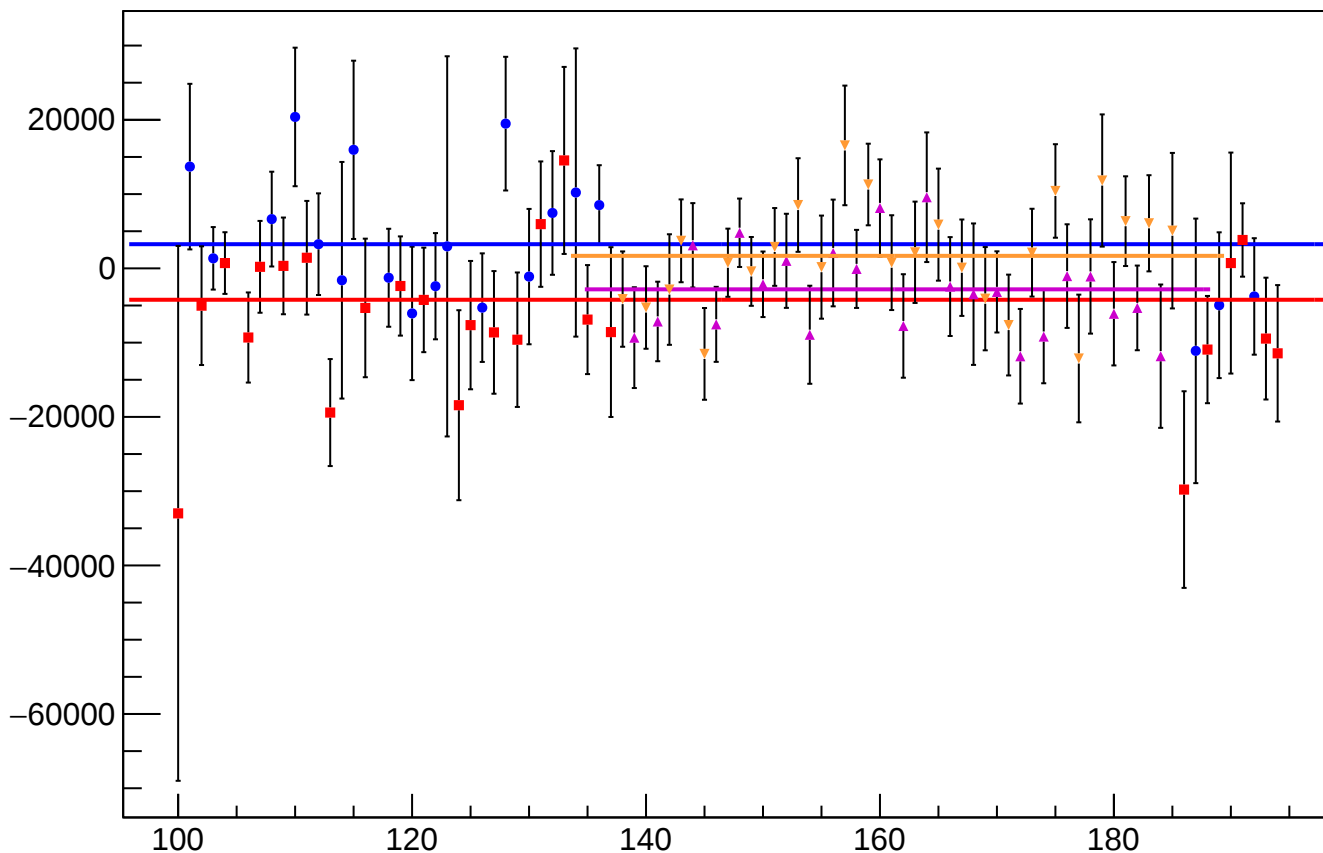
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4711.224+/-0.666 χ^2/NDF : 2525869.6/44

All: 169.665+/-0.077 χ^2/NDF : 102989609.7/5

- sign 108.592+/-0.077 χ^2/NDF : 53269899.3/47

asym_atr_avg_mean vs Slug



Right In: 3254.139+/-1784.966 χ^2/NDF : 16.5/19

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -4226.920+/-1521.758 χ^2/NDF : 23.2/24

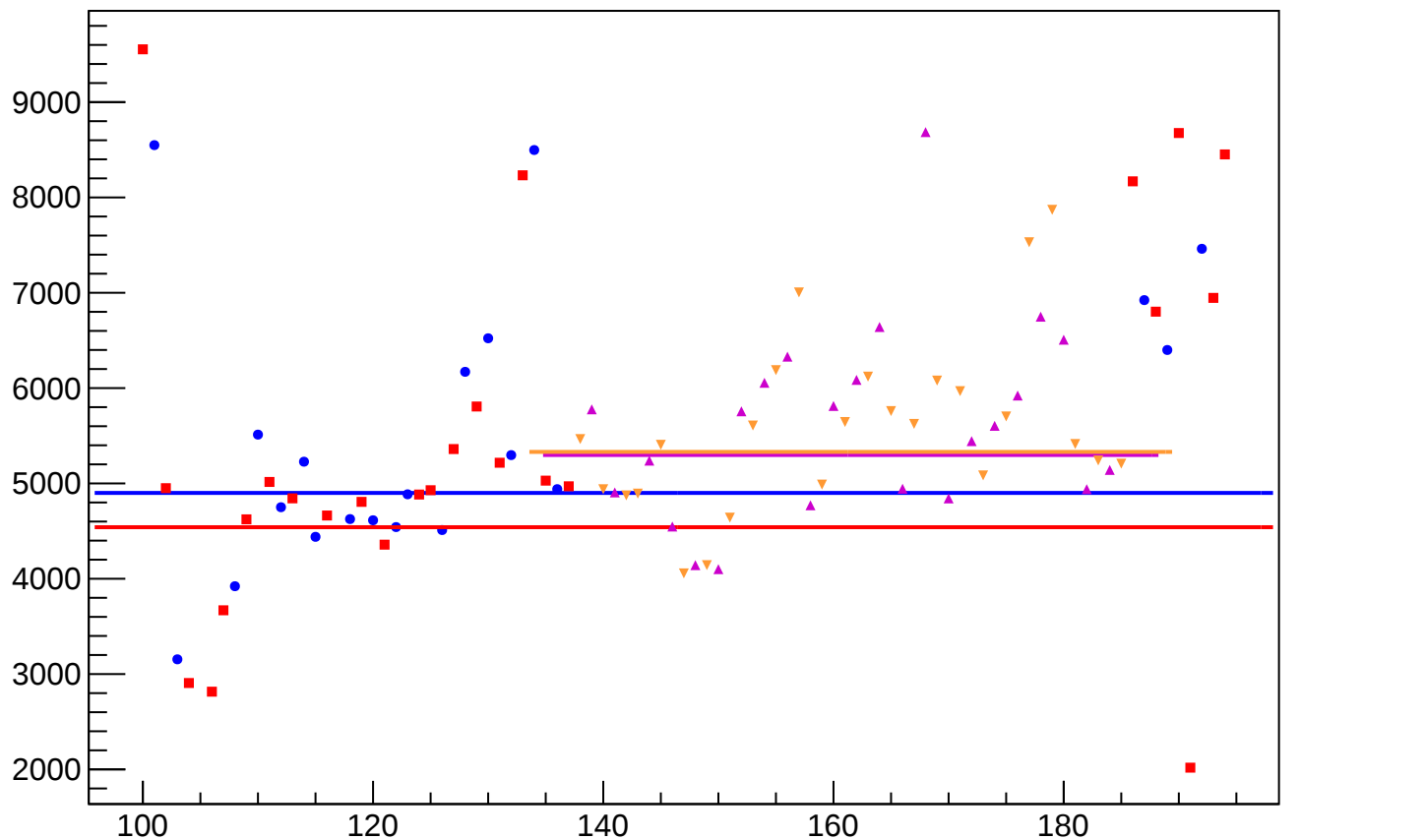
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2208.785+/-1030.272 χ^2/NDF : 42.4/44

All: -731.479+/-711.329 χ^2/NDF : 99.7/92

- sign -3409.812+/-983.312 χ^2/NDF : 41.7/47

asym_atr_avg_rms vs Slug



Right In: 4900.275 ± 1.262 $\chi^2/\text{NDF}: 1097338.5/19$

Left Out: 5330.725 ± 0.892 $\chi^2/\text{NDF}: 868061.7/24$

Right Out: 4540.749 ± 1.071 $\chi^2/\text{NDF}: 2412554.9/24$

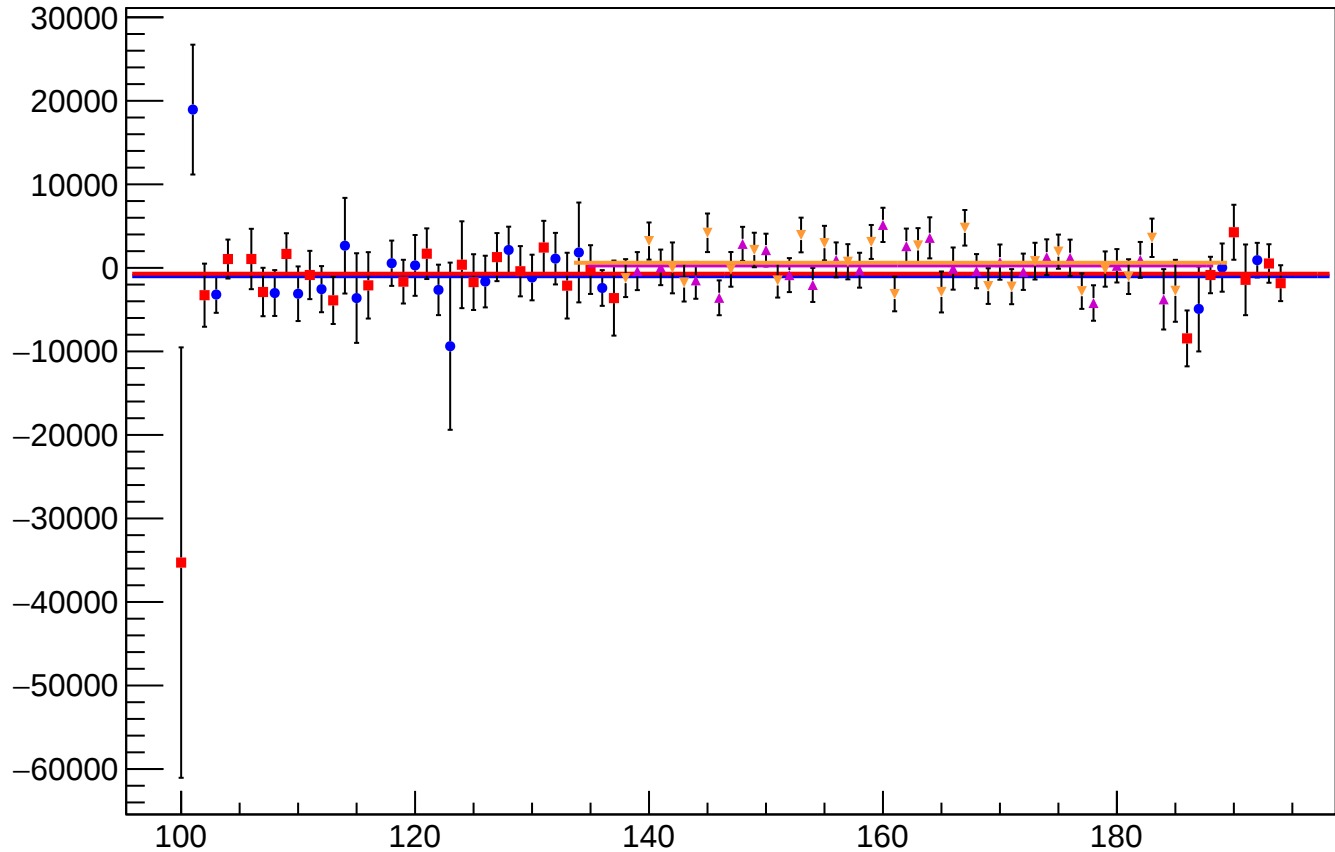
Left In: 5298.329 ± 0.911 $\chi^2/\text{NDF}: 956021.6/22$

+ sign 5187.319 ± 0.729 $\chi^2/\text{NDF}: 2042960.9/44$

All: 5078.816 ± 0.502 $\chi^2/\text{NDF}: 5744082.5/92$

- sign 4980.351 ± 0.694 $\chi^2/\text{NDF}: 3658808.7/47$

reg_asym_atr_dd_mean vs Slug



Right In: -998.340 ± 691.844 χ^2/NDF : 15.0/19

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -700.940 ± 606.747 χ^2/NDF : 17.1/24

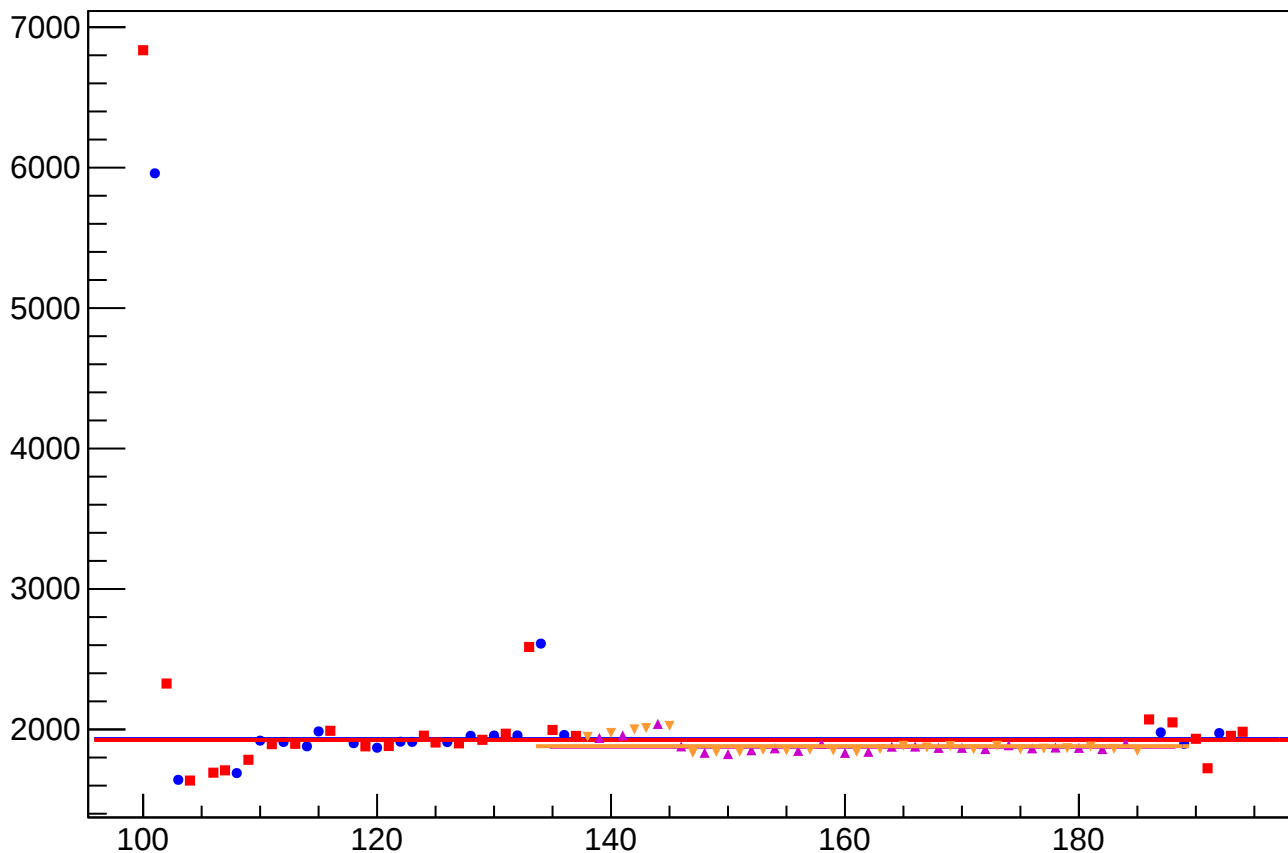
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign 151.070 ± 370.230 χ^2/NDF : 51.5/44

All: 43.306 ± 258.549 χ^2/NDF : 94.2/92

- sign -59.278 ± 361.222 χ^2/NDF : 42.5/47

reg_asym_atr_dd_rms vs Slug



Right In: 1931.251+/-0.489 χ^2/NDF : 617282.7/19

Left Out: 1880.808+/-0.310 χ^2/NDF : 28655.5/24

Right Out: 1925.185+/-0.428 χ^2/NDF : 230051.0/24

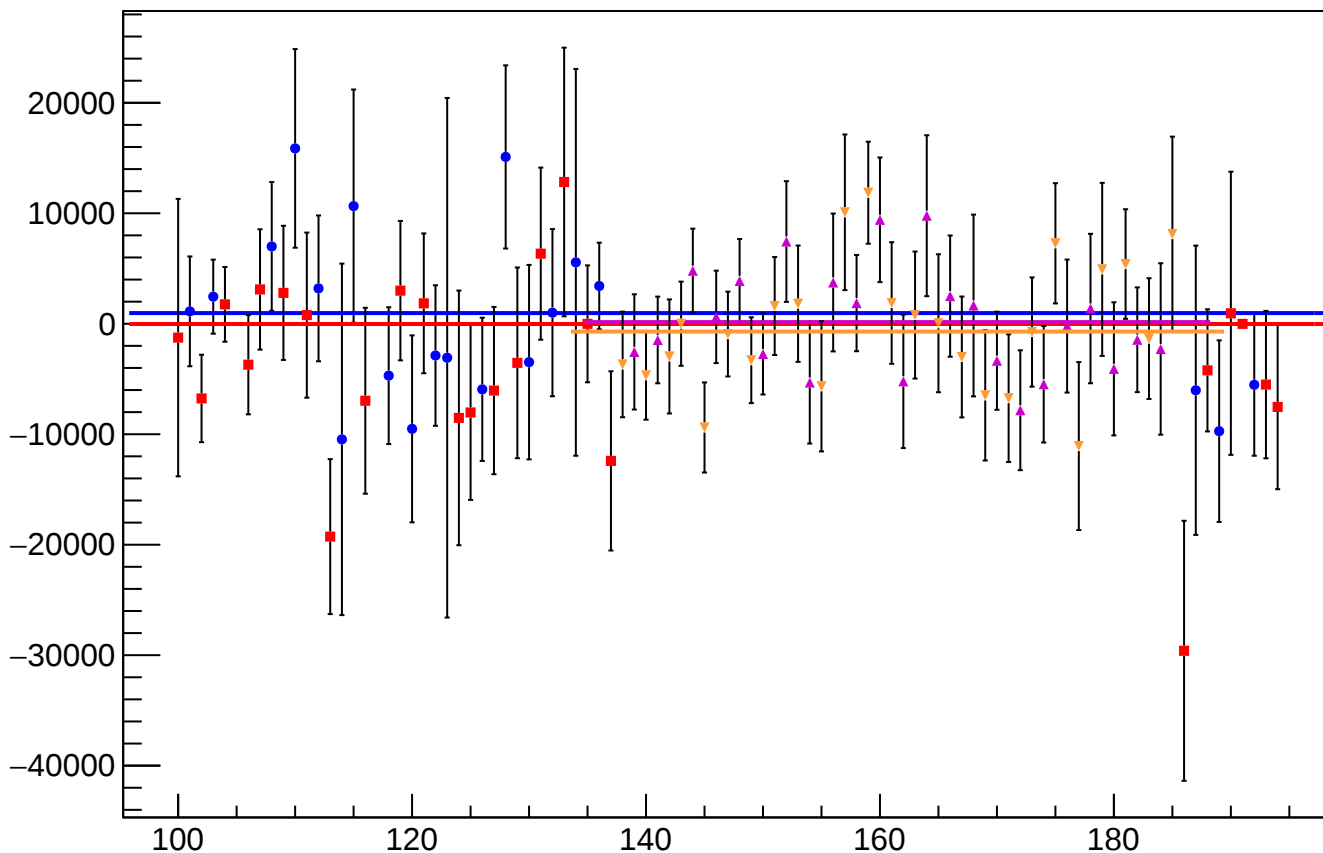
Left In: 1876.685+/-0.318 χ^2/NDF : 20499.7/22

+ sign 1895.254+/-0.262 χ^2/NDF : 653525.5/44

All: 1894.565+/-0.183 χ^2/NDF : 912356.2/92

- sign 1893.910+/-0.255 χ^2/NDF : 258817.2/47

asym_atr_dd_correction_mean vs Slug



Right In: 967.077+/-1481.143 χ^2/NDF : 16.0/19

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

Right Out: -20.781+/-85.828 χ^2/NDF : 28.0/24

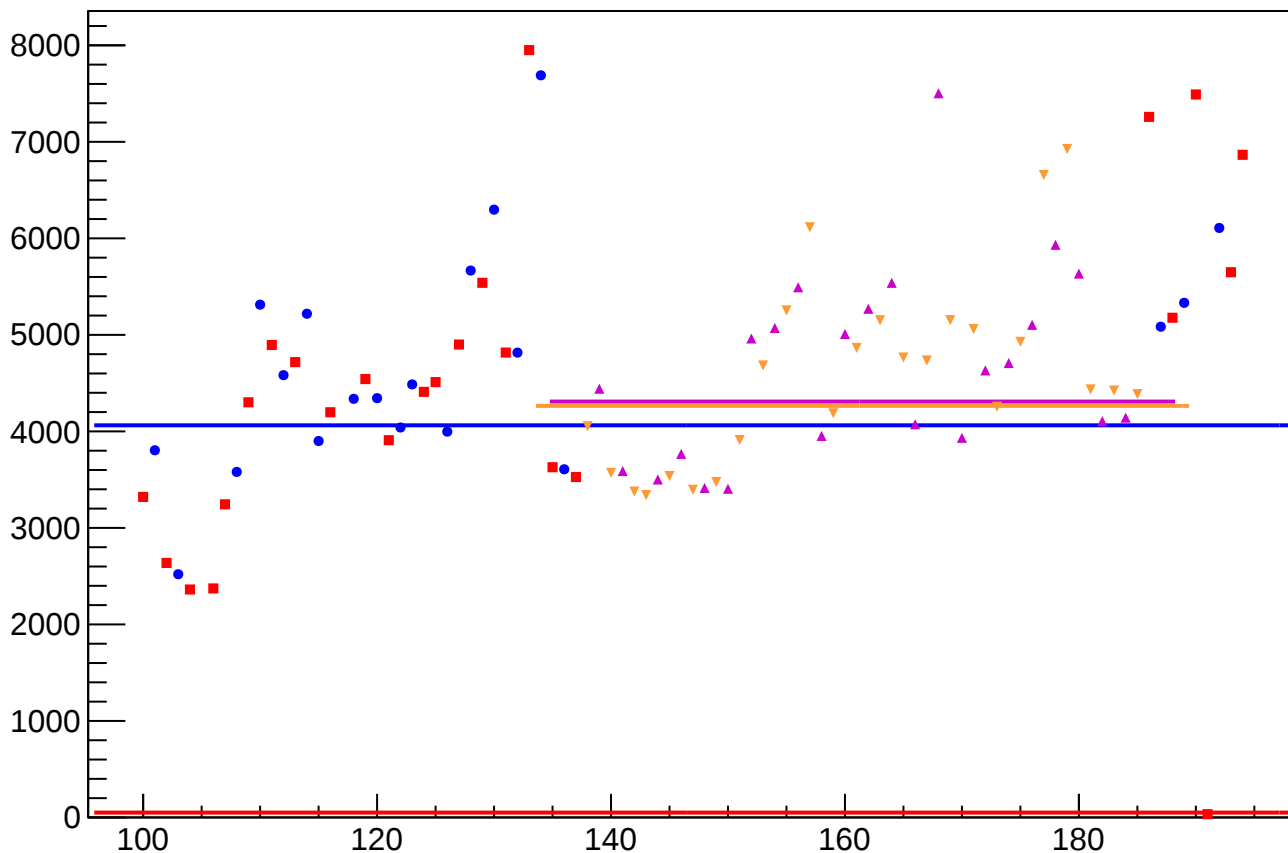
Left In: 150.495+/-1053.655 χ^2/NDF : 16.9/22

+ sign -170.636+/-838.793 χ^2/NDF : 44.0/44

All: -21.206+/-85.104 χ^2/NDF : 89.0/92

- sign -19.652+/-85.545 χ^2/NDF : 45.0/47

asym_atr_dd_correction_rms vs Slug



Right In: 4062.879+/-1.047 χ^2 /NDF: 1111685.7/19

Left Out: 4264.433+/-0.720 χ^2 /NDF:1354900.8/24

Right Out: 50.471+/-0.061 χ^2 /NDF: 19825186.9/24

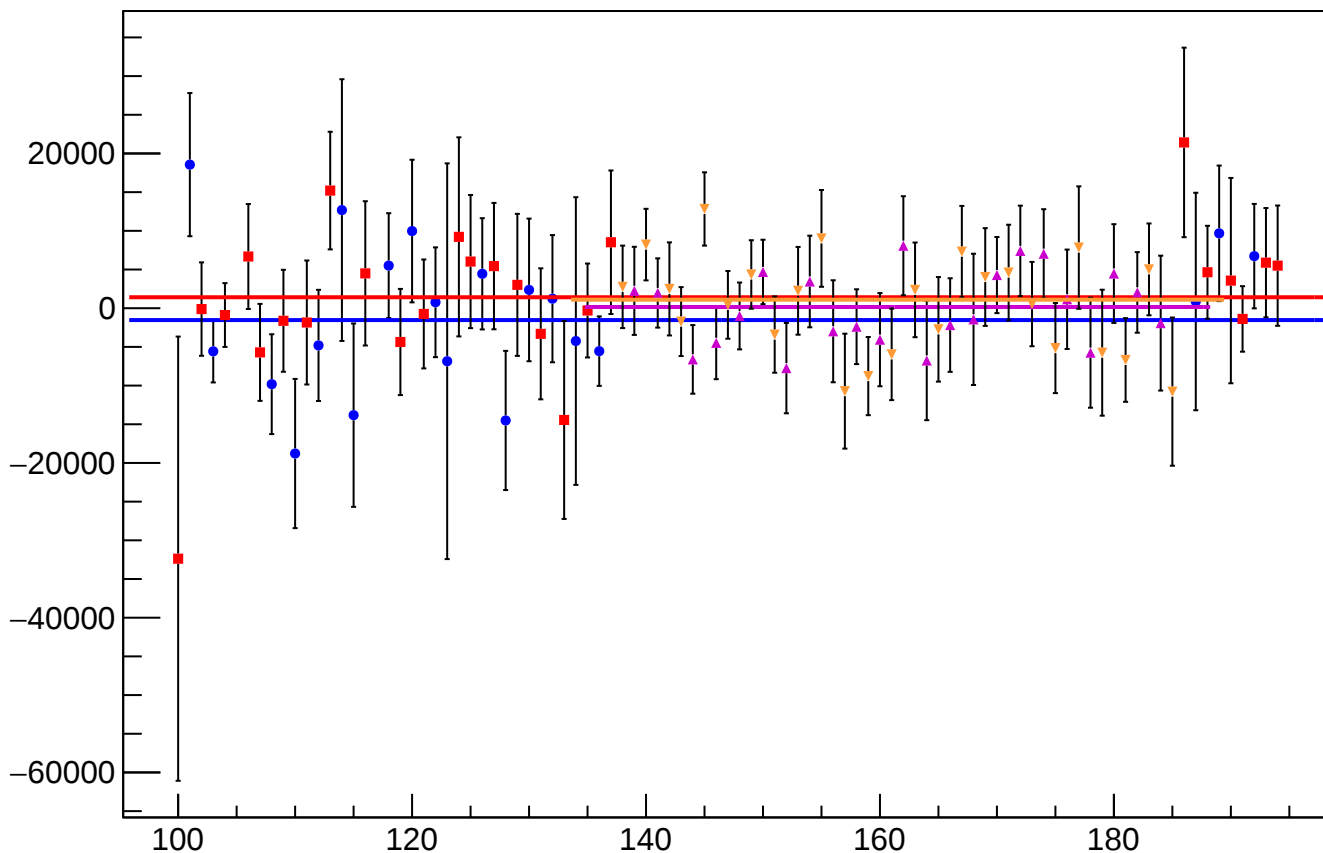
Left In: 4309.034+/-0.745 χ^2 /NDF:1305133.3/22

+ sign 4199.792+/-0.593 χ^2 /NDF: 2491744.4/44

All: 120.966+/-0.060 χ^2 /NDF: 103861705.7/9

- sign 78.542+/-0.060 χ^2 /NDF: 53585720.1/47

asym_atr_dd_mean vs Slug



Right In: -1533.719 ± 1704.608 χ^2/NDF : 22.4/19

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1416.581 ± 1441.450 χ^2/NDF : 15.8/24

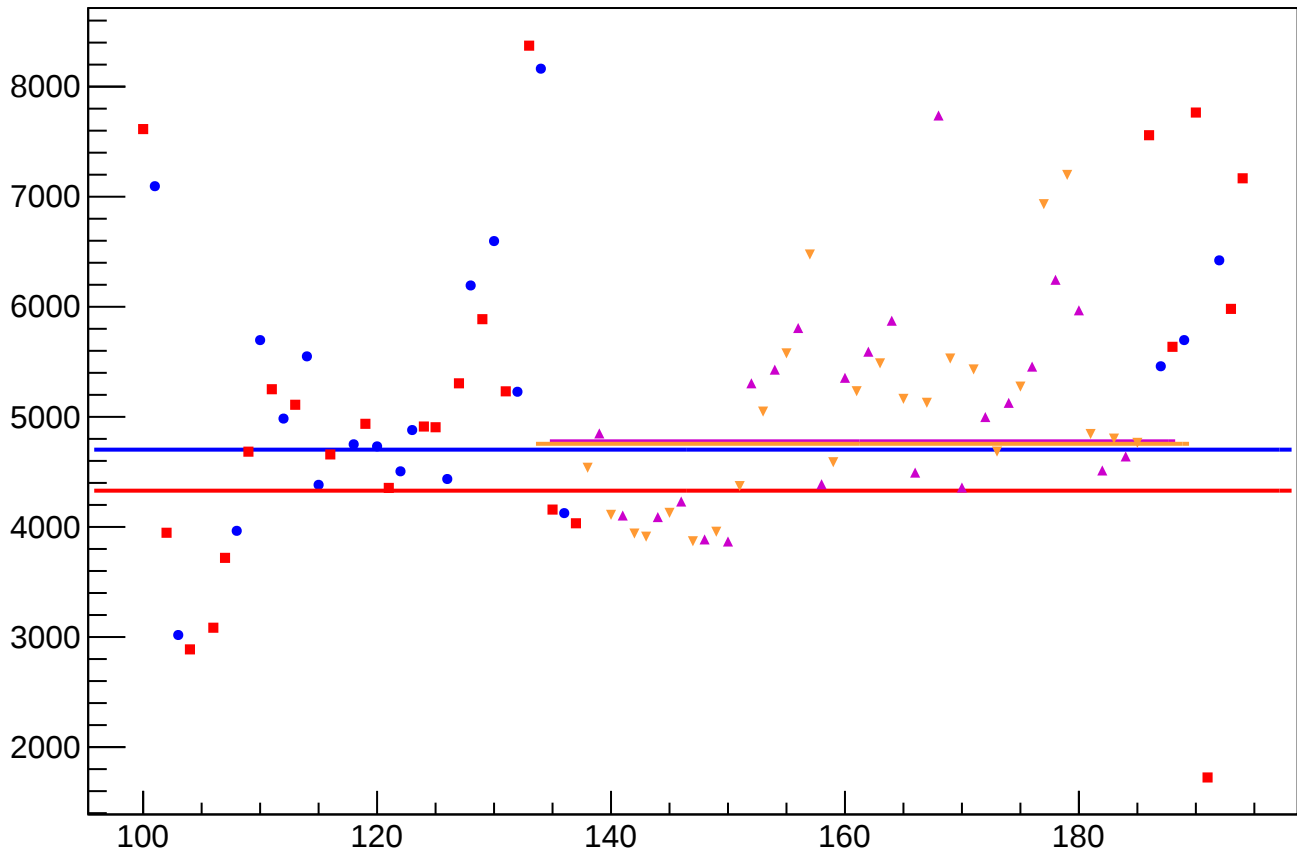
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 300.787 ± 939.912 χ^2/NDF : 52.6/44

All: 484.133 ± 651.709 χ^2/NDF : 84.5/92

- sign 653.894 ± 904.424 χ^2/NDF : 31.8/47

asym_atr_dd_rms vs Slug



Right In: 4702.207+/-1.205 χ^2/NDF : 957696.6/19

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 4329.602+/-1.015 χ^2/NDF : 2275269.5/24

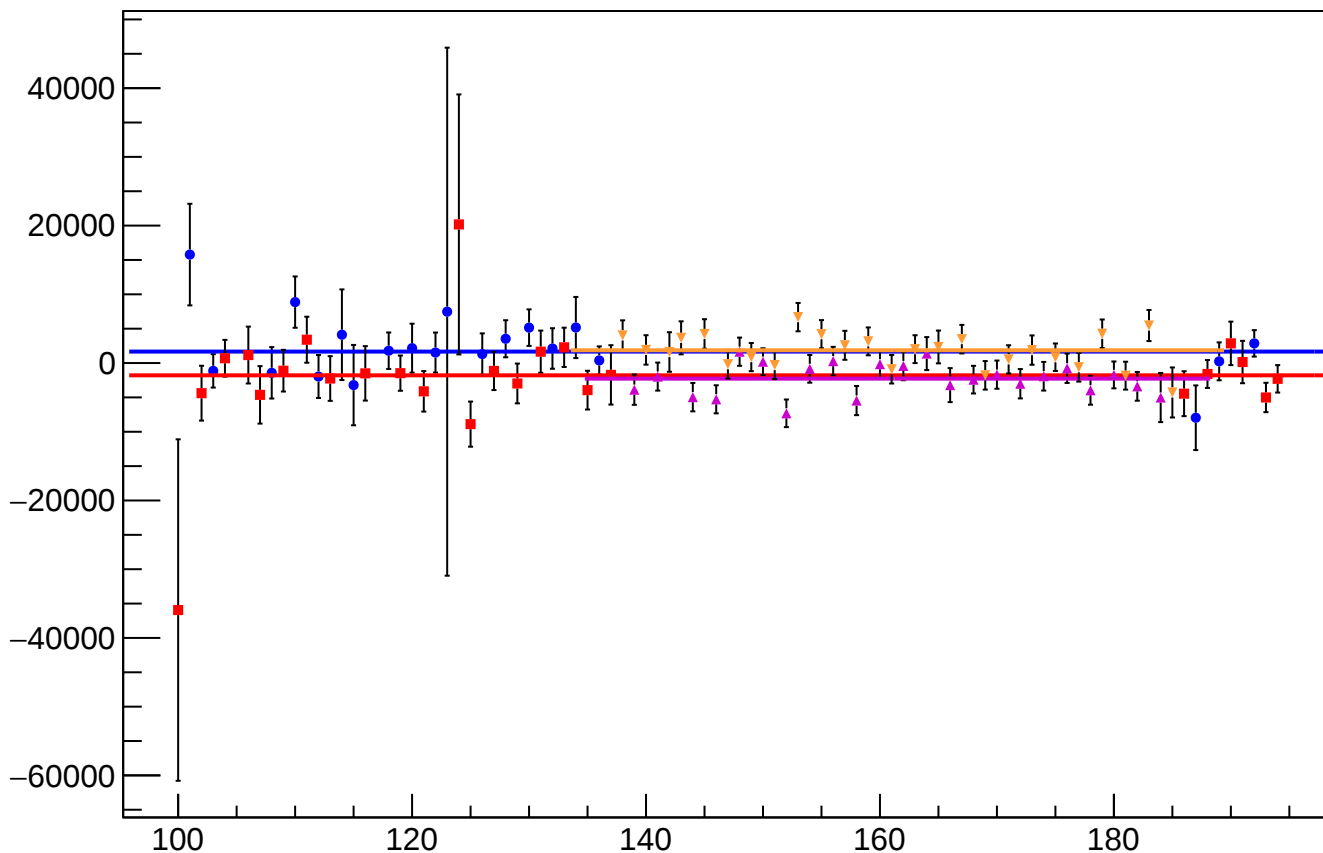
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4739.216+/-0.665 χ^2/NDF : 1912379.1/44

All: 4667.081+/-0.460 χ^2/NDF : 5278423.7/92

- sign 4600.504+/-0.639 χ^2/NDF : 3343392.2/47

reg_asym_at1_avg_mean vs Slug



Right In: 1667.126+/-695.591 χ^2/NDF : 19.7/19

Left Out: 1856.570+/-430.977 χ^2/NDF : 30.0/24

Right Out: -1788.312+/-607.796 χ^2/NDF : 23.0/24

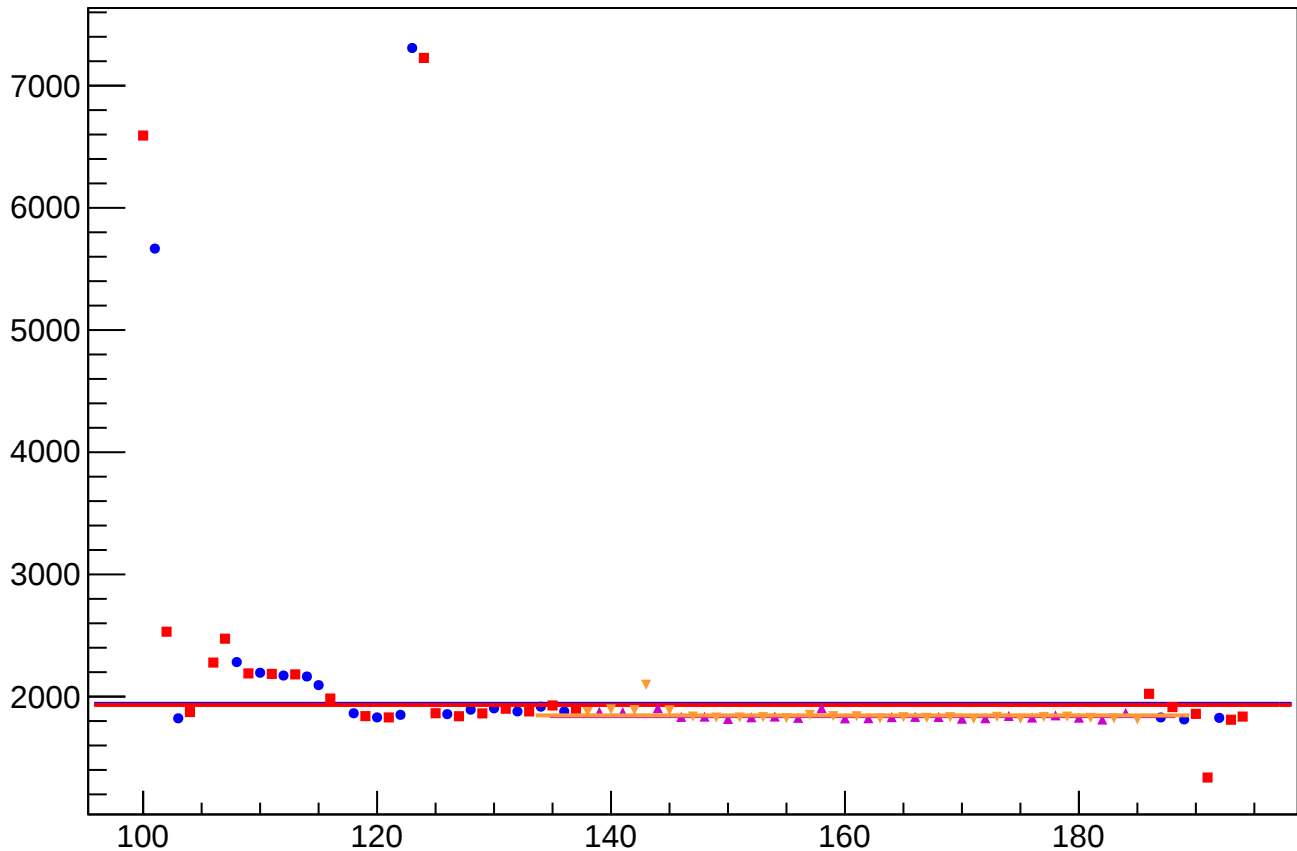
Left In: -2268.464+/-441.710 χ^2/NDF : 26.9/22

+ sign 1804.019+/-366.356 χ^2/NDF : 49.7/44

All: -198.035+/-255.798 χ^2/NDF : 158.2/92

- sign -2102.516+/-357.317 χ^2/NDF : 50.2/47

reg_asym_at1_avg_rms vs Slug



Right In: 1941.124+/-0.492 χ^2/NDF : 615899.7/19

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1931.735+/-0.430 χ^2/NDF : 457390.0/24

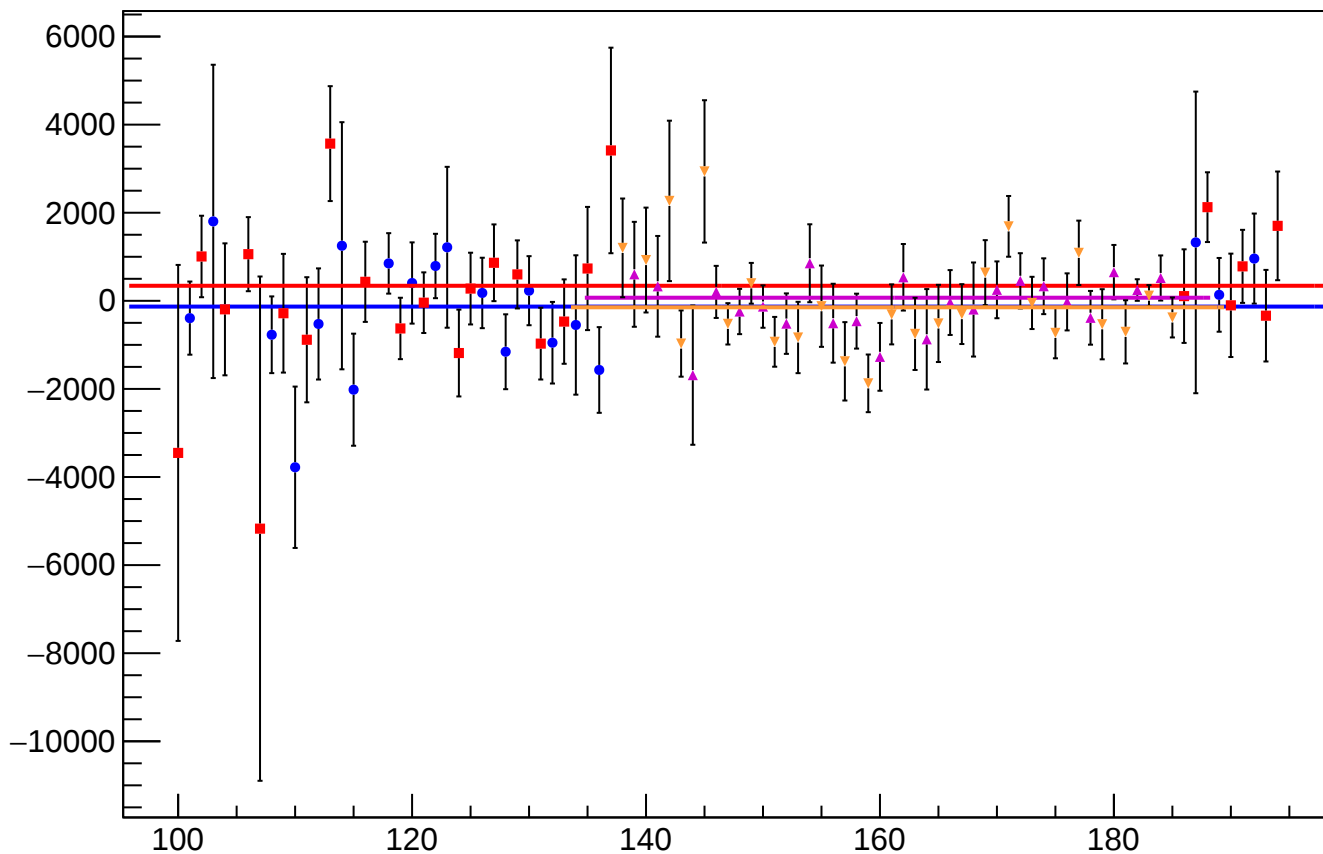
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1872.822+/-0.259 χ^2/NDF : 669888.6/44

All: 1872.431+/-0.181 χ^2/NDF : 1163486.3/92

- sign 1872.059+/-0.253 χ^2/NDF : 493593.3/47

asym_at1_avg_correction_mean vs Slug



Right In: -130.842 $\pm$ 225.561 χ^2/NDF : 18.2/19

Left Out: -146.999 $\pm$ 121.984 χ^2/NDF : 37.7/24

Right Out: 341.644 $\pm$ 199.260 χ^2/NDF : 27.6/24

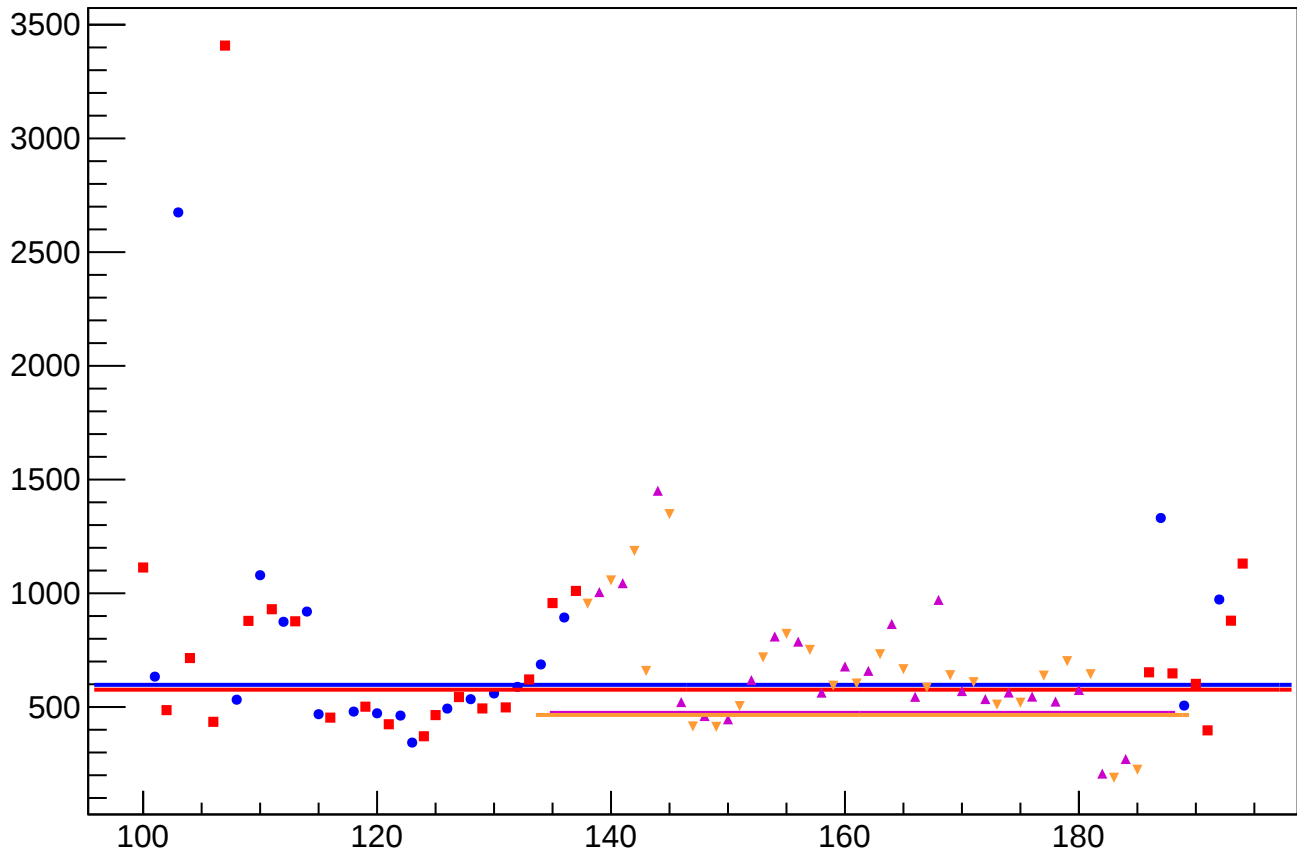
Left In: 70.340 $\pm$ 126.373 χ^2/NDF : 12.3/22

+ sign -143.343 $\pm$ 107.298 χ^2/NDF : 55.9/44

All: 3.198 $\pm$ 75.666 χ^2/NDF : 100.8/92

- sign 148.163 $\pm$ 106.720 χ^2/NDF : 41.2/47

asym_at1_avg_correction_rms vs Slug



Right In: 597.513+/-0.159 χ^2/NDF : 1808269.8/19

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

Right Out: 576.191+/-0.141 χ^2/NDF : 2186768.6/24

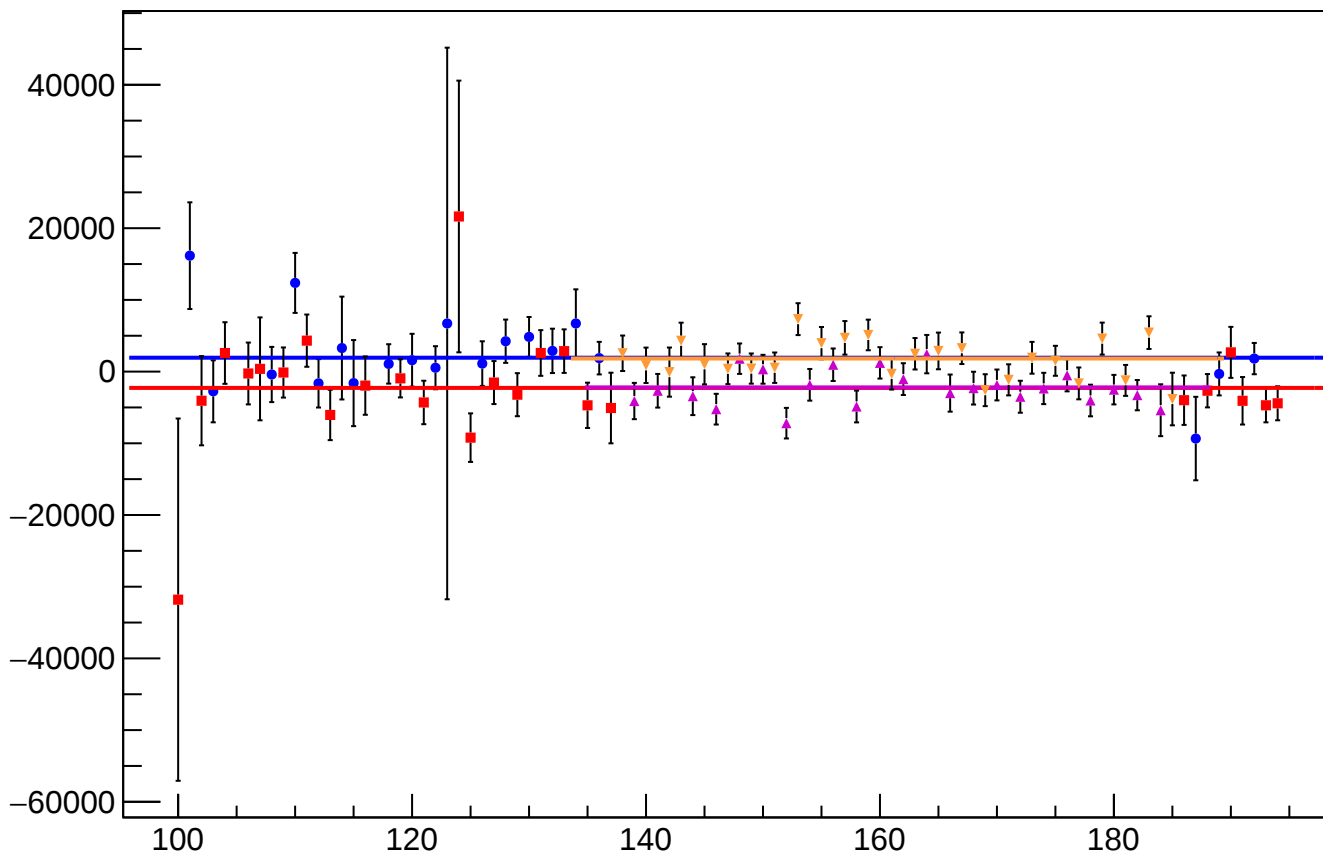
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 495.048+/-0.076 χ^2/NDF : 9427830.3/44

All: 499.297+/-0.054 χ^2/NDF : 18167159.4/92

- sign 503.501+/-0.075 χ^2/NDF : 8733089.7/47

asym_at1_avg_mean vs Slug



Right In: 1936.718 $\pm$ 770.239 χ^2 /NDF: 20.4/19

Left Out: 1824.066 $\pm$ 462.694 χ^2 /NDF:32.1/24

Right Out: -2274.877 $\pm$ 680.638 χ^2 /NDF: 25.0/24

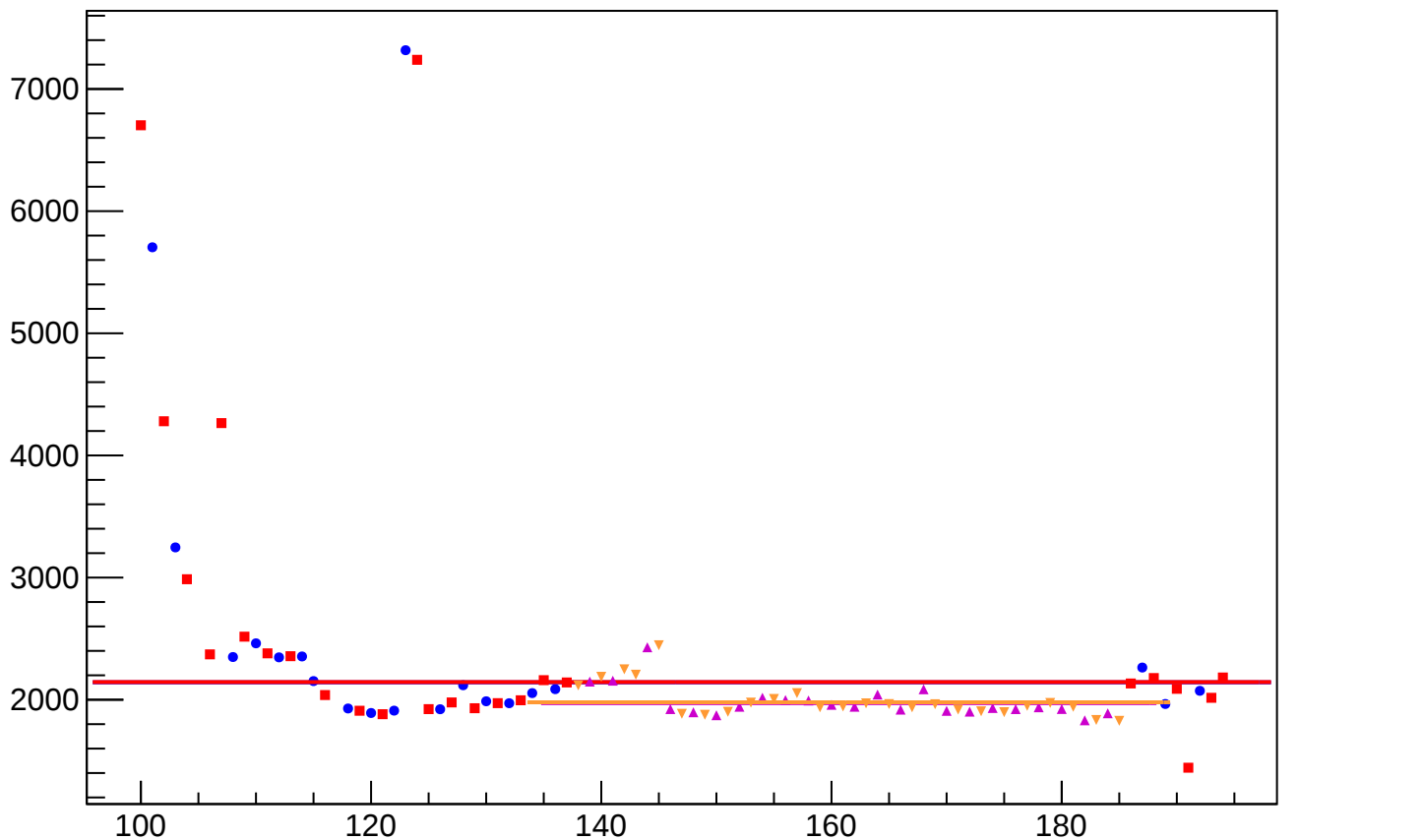
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 1853.938 $\pm$ 396.631 χ^2 /NDF: 52.6/44

All: -227.661 $\pm$ 277.723 χ^2 /NDF: 157.0/92

- sign -2229.921 $\pm$ 388.999 χ^2 /NDF: 50.4/47

asym_at1_avg_rms vs Slug



Right In: 2142.498 ± 0.545 χ^2/NDF : 719122.4/19

Left Out: 1978.997 ± 0.327 χ^2/NDF : 139299.8/24

Right Out: 2144.591 ± 0.481 χ^2/NDF : 905142.0/24

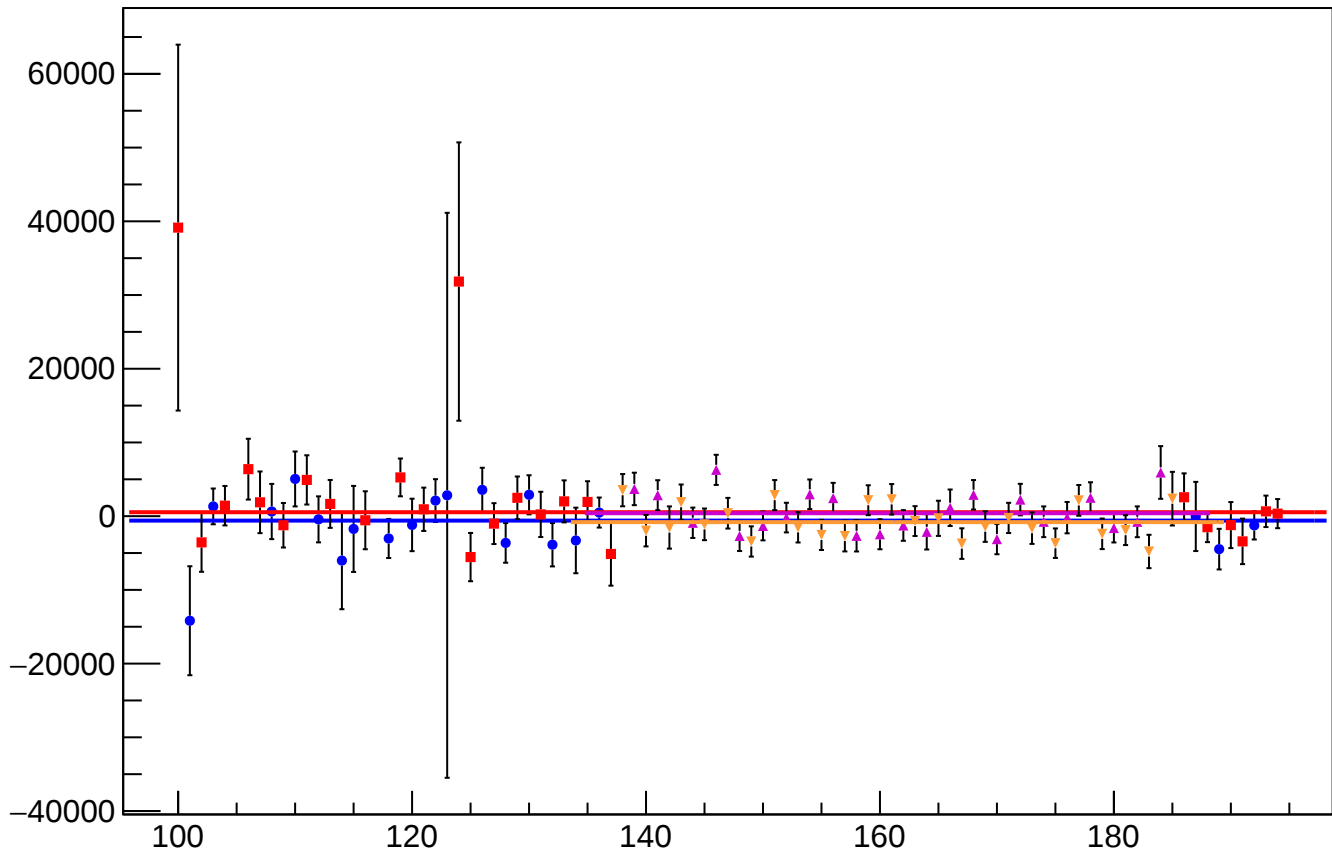
Left In: 1972.166 ± 0.335 χ^2/NDF : 116452.5/22

+ sign 2022.353 ± 0.280 χ^2/NDF : 924644.4/44

All: 2025.479 ± 0.196 χ^2/NDF : 2032908.9/92

- sign 2028.487 ± 0.275 χ^2/NDF : 1108020.7/47

reg_asym_at1_dd_mean vs Slug



Right In: -601.705 $\pm$ 694.081 χ^2 /NDF: 17.8/19

Left Out: -808.436 $\pm$ 430.304 χ^2 /NDF: 27.9/24

Right Out: 537.036 $\pm$ 605.736 χ^2 /NDF: 24.0/24

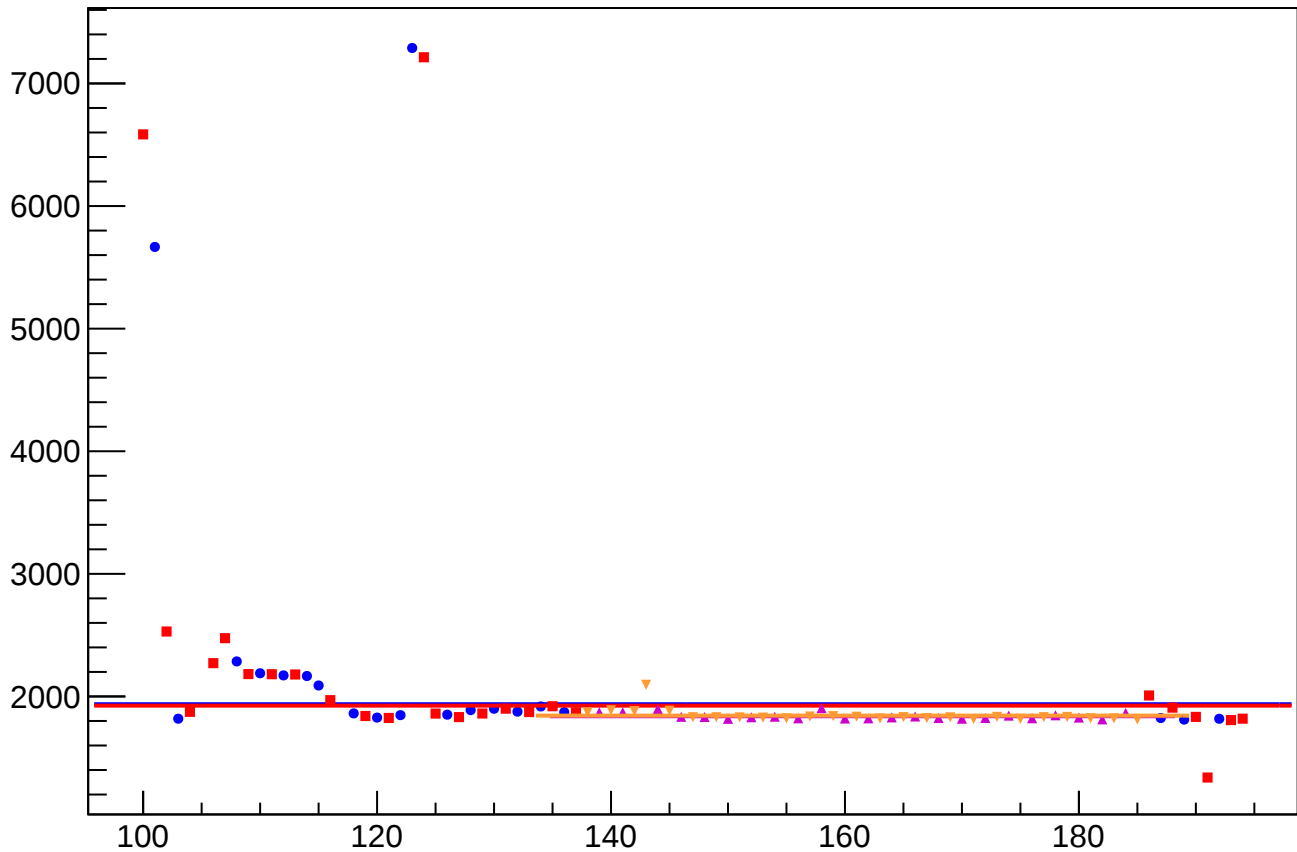
Left In: 398.797 $\pm$ 441.246 χ^2 /NDF: 34.4/22

+ sign -751.039 $\pm$ 365.722 χ^2 /NDF: 45.8/44

All: -137.122 $\pm$ 255.338 χ^2 /NDF: 109.7/92

- sign 446.721 $\pm$ 356.652 χ^2 /NDF: 58.4/47

reg_asym_at1_dd_rms vs Slug



Right In: 1936.694 $\pm$ 0.491 χ^2 /NDF: 618587.5/19

Left Out: 1843.747 $\pm$ 0.304 χ^2 /NDF:26867.4/24

Right Out: 1925.094 $\pm$ 0.428 χ^2 /NDF: 458630.0/24

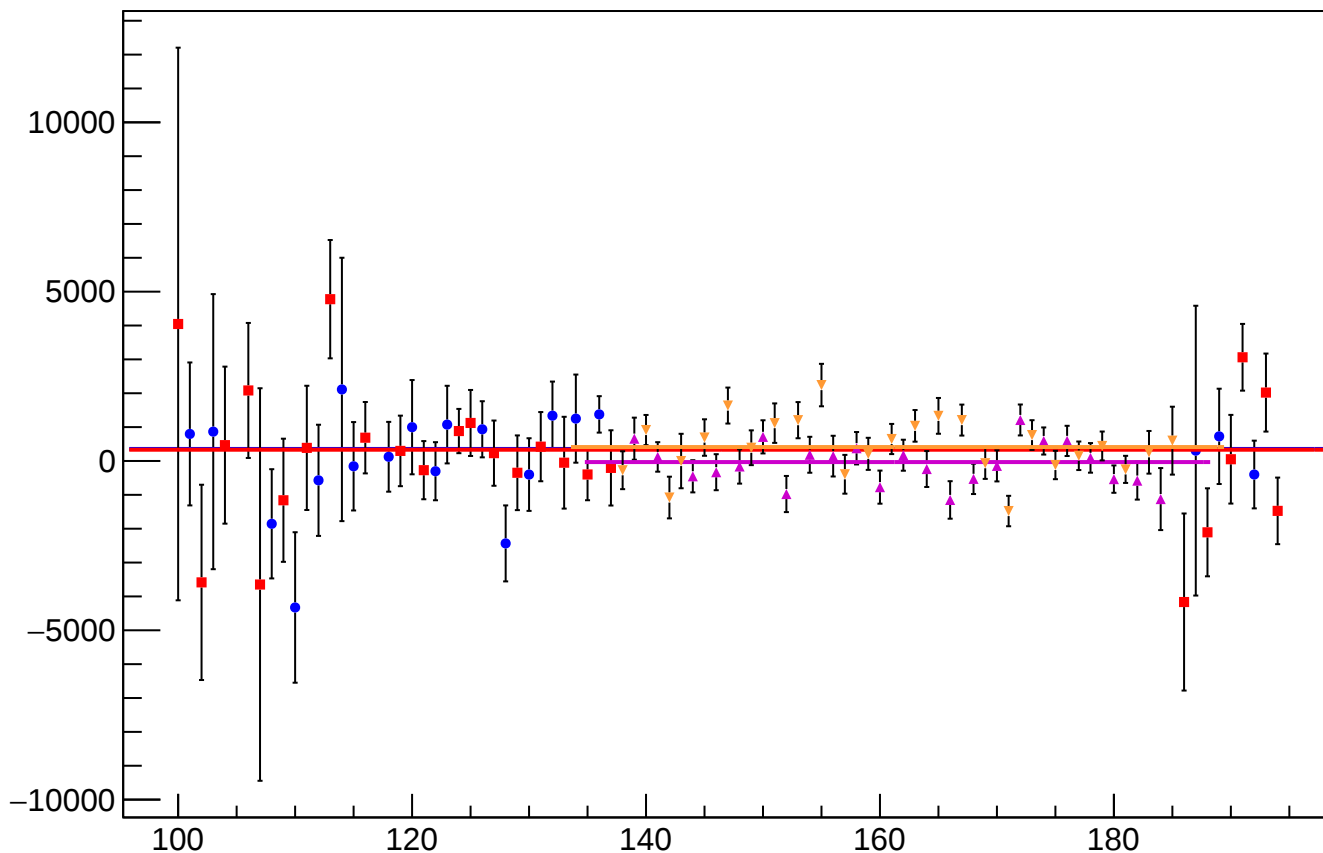
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF:6335.1/22

+ sign 1869.553 $\pm$ 0.259 χ^2 /NDF: 671362.9/44

All: 1869.061 $\pm$ 0.181 χ^2 /NDF: 1162969.8/92

- sign 1868.593 $\pm$ 0.252 χ^2 /NDF: 491599.8/47

asym_at1_dd_correction_mean vs Slug



Right In: 354.872 ± 256.632 χ^2/NDF : 21.1/19

Left Out: 411.072 ± 100.456 χ^2/NDF : 61.2/24

Right Out: 332.543 ± 234.542 χ^2/NDF : 33.8/24

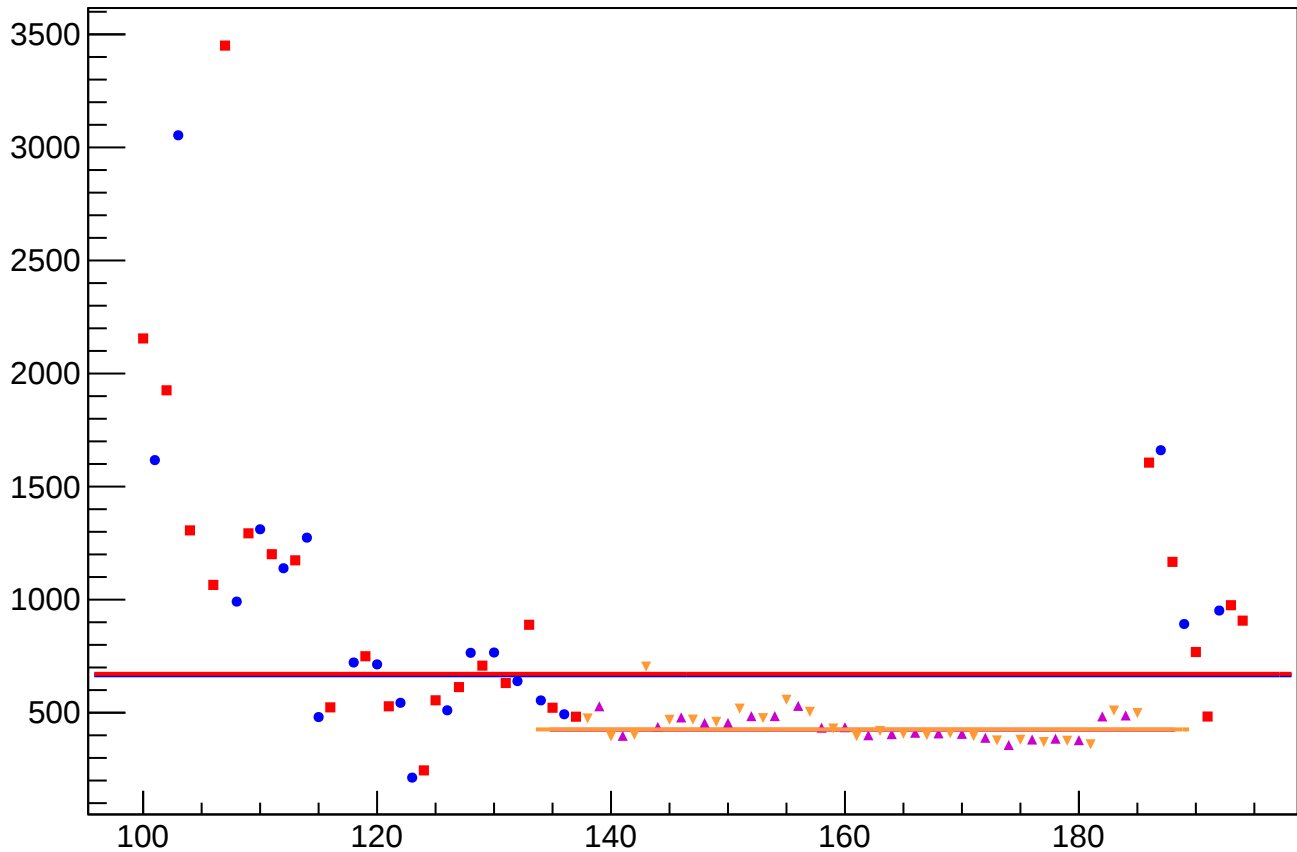
Left In: -32.456 ± 102.403 χ^2/NDF : 32.7/22

+ sign 403.605 ± 93.545 χ^2/NDF : 82.3/44

All: 215.405 ± 66.253 χ^2/NDF : 159.0/92

- sign 25.983 ± 93.848 χ^2/NDF : 68.6/47

asym_at1_dd_correction_rms vs Slug



Right In: 665.504 $\pm$ 0.181 χ^2 /NDF: 2612921.0/19

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 671.918 $\pm$ 0.166 χ^2 /NDF: 3768670.3/24

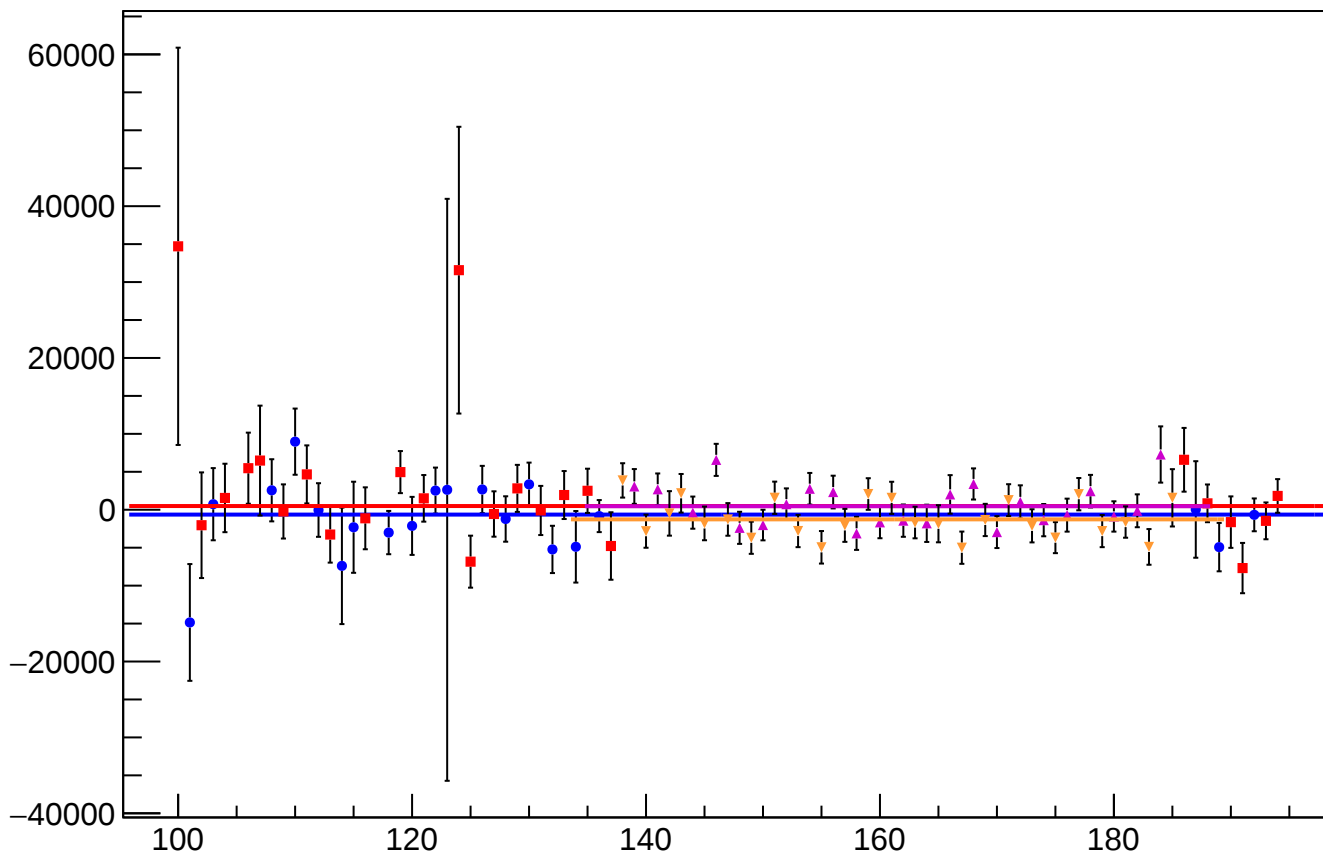
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 457.846 $\pm$ 0.066 χ^2 /NDF: 4856145.6/44

All: 461.027 $\pm$ 0.047 χ^2 /NDF: 10888258.3/92

- sign 464.230 $\pm$ 0.066 χ^2 /NDF: 6027470.5/47

asym_at1_dd_mean vs Slug



Right In: -639.648 ± 779.655 χ^2/NDF : 19.7/19

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 488.079 ± 691.610 χ^2/NDF : 28.5/24

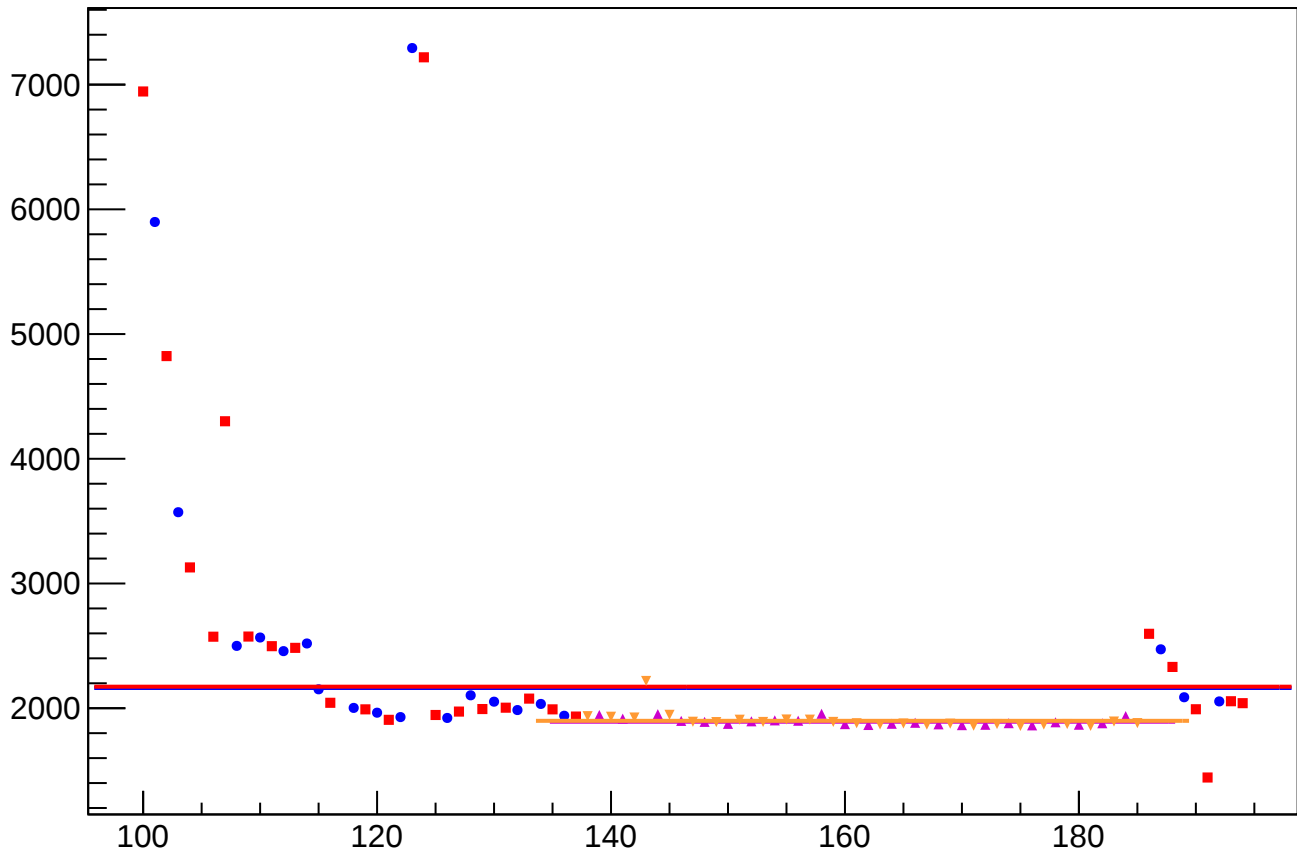
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1114.445 ± 385.310 χ^2/NDF : 51.0/44

All: -310.052 ± 270.378 χ^2/NDF : 120.7/92

- sign 470.271 ± 379.502 χ^2/NDF : 61.1/47

asym_at1_dd_rms vs Slug



Right In: 2162.199+/-0.551 χ^2 /NDF: 812410.3/19

Left Out: 1898.962+/-0.313 χ^2 /NDF: 38680.4/24

Right Out: 2172.652+/-0.489 χ^2 /NDF: 1044001.4/24

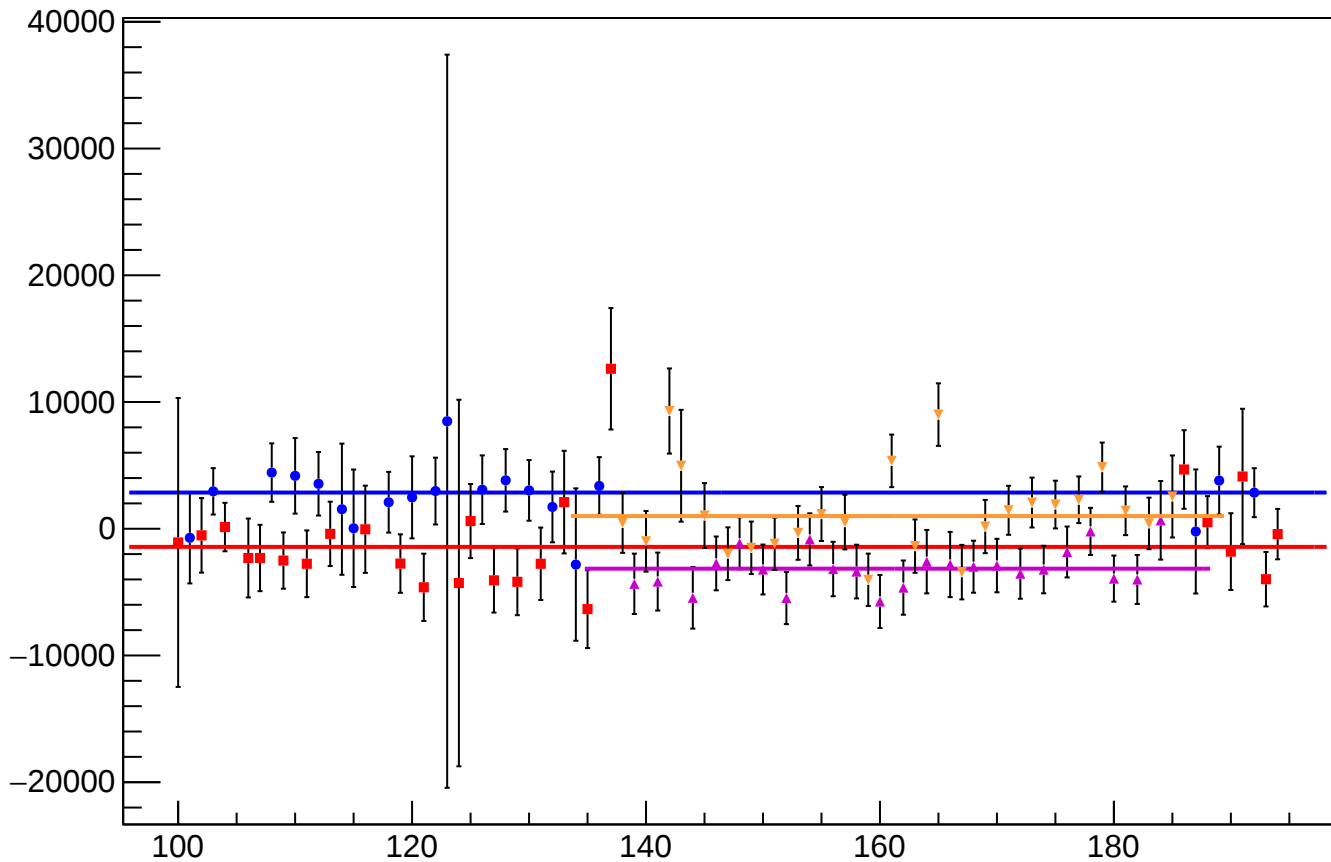
Left In: 1891.693+/-0.321 χ^2 /NDF: 7420.7/22

+ sign 1963.255+/-0.272 χ^2 /NDF: 1023398.8/44

All: 1969.871+/-0.191 χ^2 /NDF: 2306664.3/92

- sign 1976.289+/-0.268 χ^2 /NDF: 1282103.8/47

reg_asym_at2_avg_mean vs Slug



Right In: 2855.896 $\pm$ 619.170 χ^2 /NDF: 4.1/19

Left Out: 1001.263 $\pm$ 435.247 χ^2 /NDF:44.6/24

Right Out: -1431.054 $\pm$ 552.866 χ^2 /NDF: 25.9/24

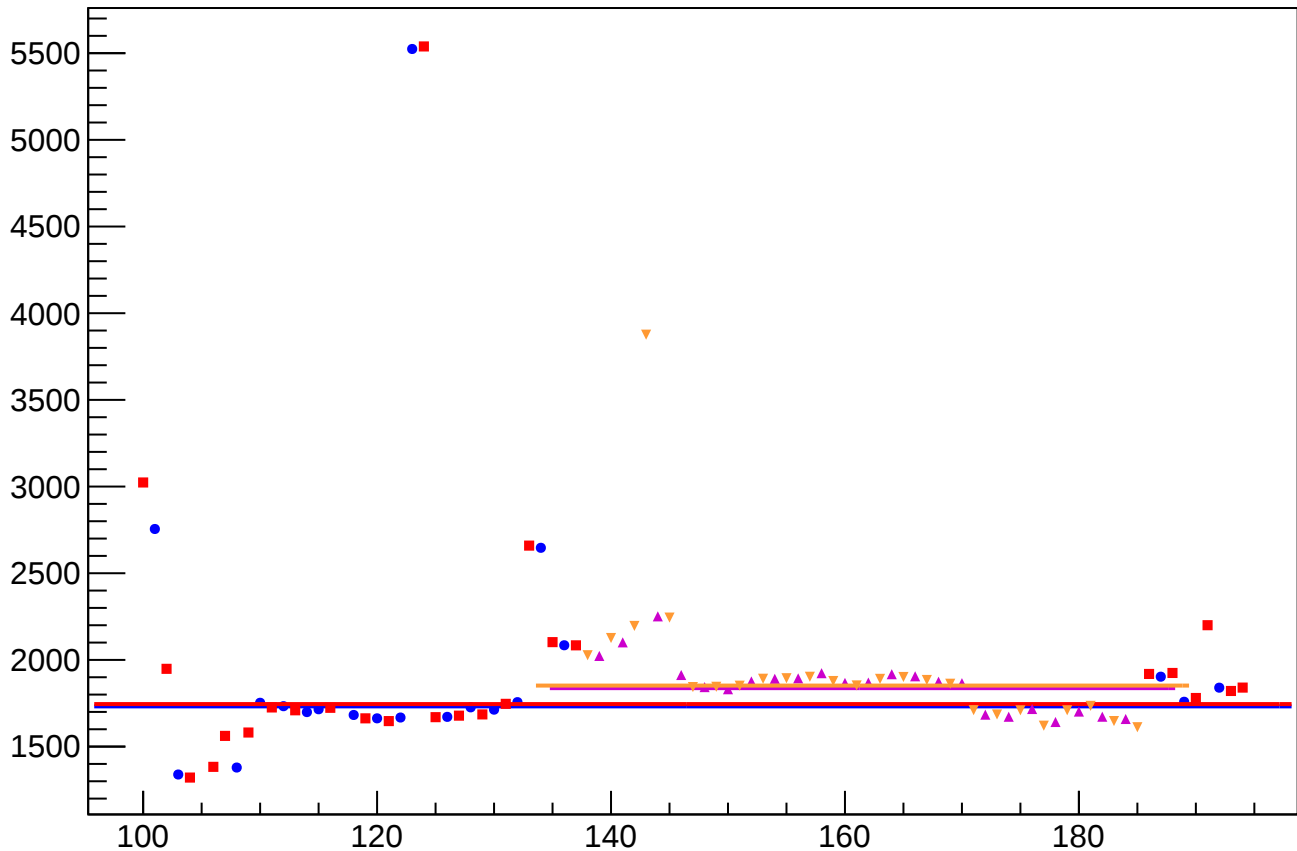
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF:11.8/22

+ sign 1614.626 $\pm$ 356.074 χ^2 /NDF: 54.7/44

All: -499.200 $\pm$ 247.710 χ^2 /NDF: 166.7/92

- sign -2481.584 $\pm$ 344.825 χ^2 /NDF: 43.7/47

reg_asym_at2_avg_rms vs Slug



Right In: 1731.971+/-0.438 χ^2/NDF : 442650.0/19

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1745.246+/-0.391 χ^2/NDF : 510634.8/24

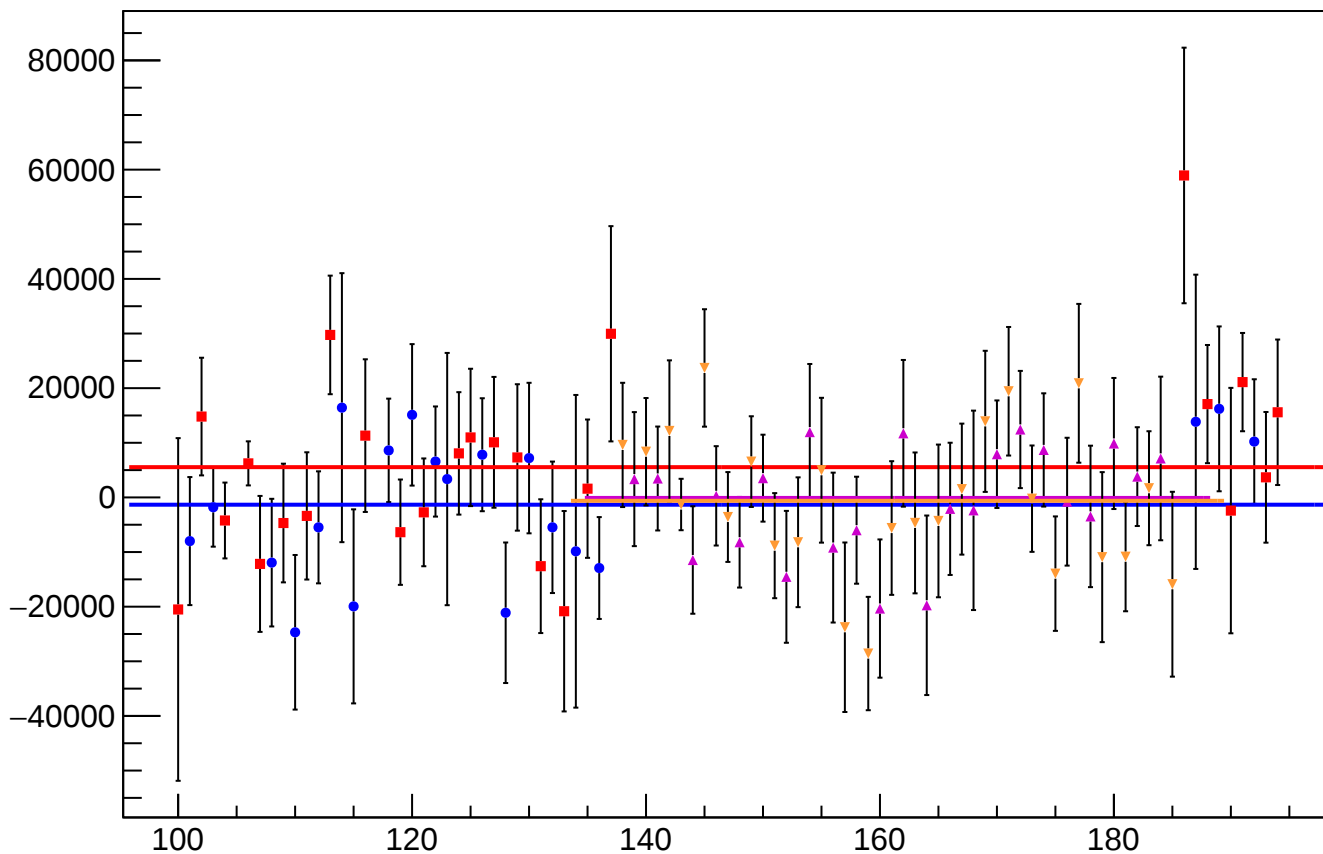
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1812.276+/-0.252 χ^2/NDF : 1141872.6/44

All: 1806.663+/-0.175 χ^2/NDF : 1887752.4/92

- sign 1801.399+/-0.244 χ^2/NDF : 744916.6/47

asym_at2_avg_correction_mean vs Slug



Right In: -1333.646 ± 2714.379 $\chi^2/\text{NDF}: 17.0/19$

Left Out: -619.372 ± 2069.686 $\chi^2/\text{NDF}: 30.1/24$

Right Out: 5540.501 ± 2078.647 $\chi^2/\text{NDF}: 30.7/24$

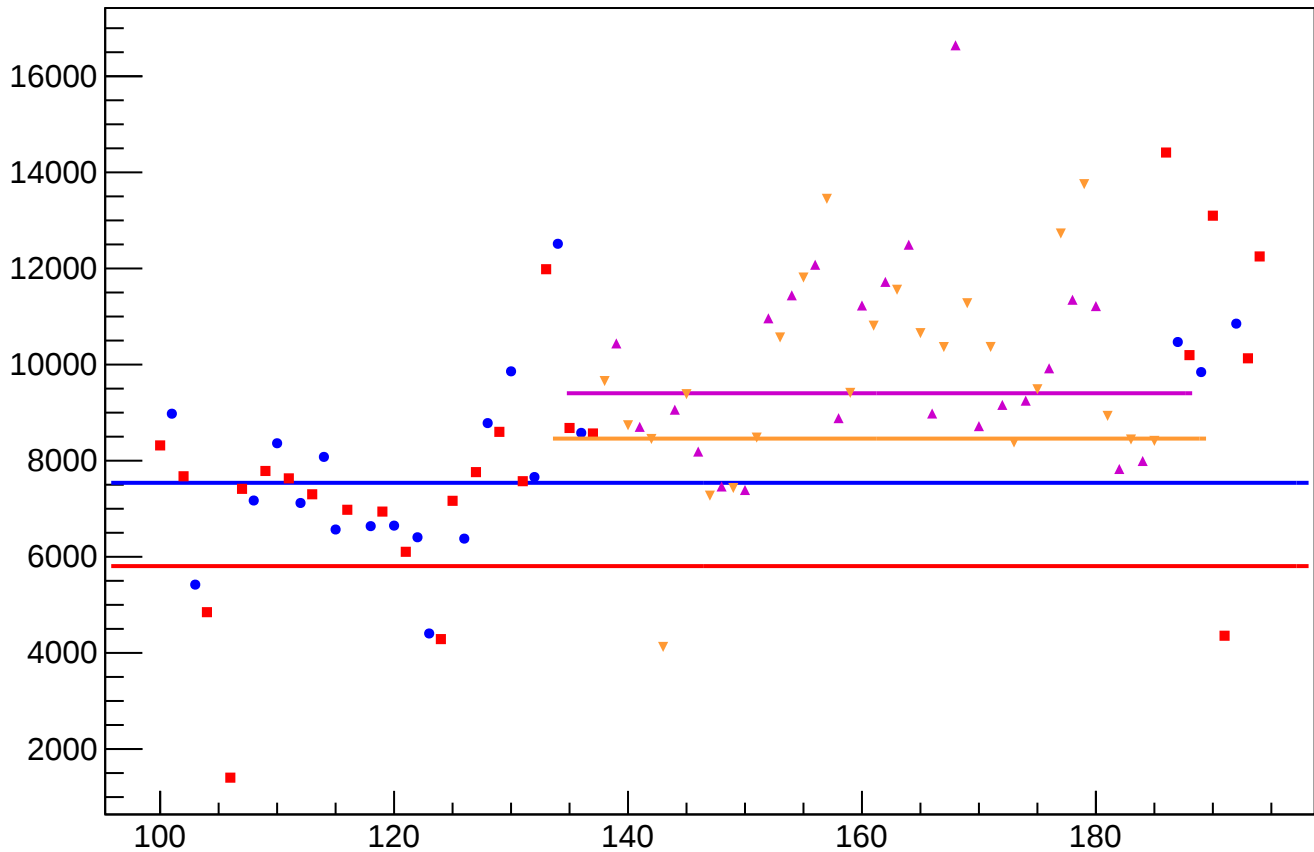
Left In: -93.334 ± 2293.826 $\chi^2/\text{NDF}: 14.6/22$

+ sign -881.971 ± 1645.830 $\chi^2/\text{NDF}: 47.2/44$

All: 1187.546 ± 1124.612 $\chi^2/\text{NDF}: 98.8/92$

- sign 3000.166 ± 1540.295 $\chi^2/\text{NDF}: 48.6/47$

asym_at2_avg_correction_rms vs Slug



Right In: 7539.602 $\pm$ 1.919 χ^2 /NDF: 736341.6/19

Left Out: 8459.960 $\pm$ 1.463 χ^2 /NDF:3087200.5/24

Right Out: 5806.473 $\pm$ 1.470 χ^2 /NDF: 4928148.5/24

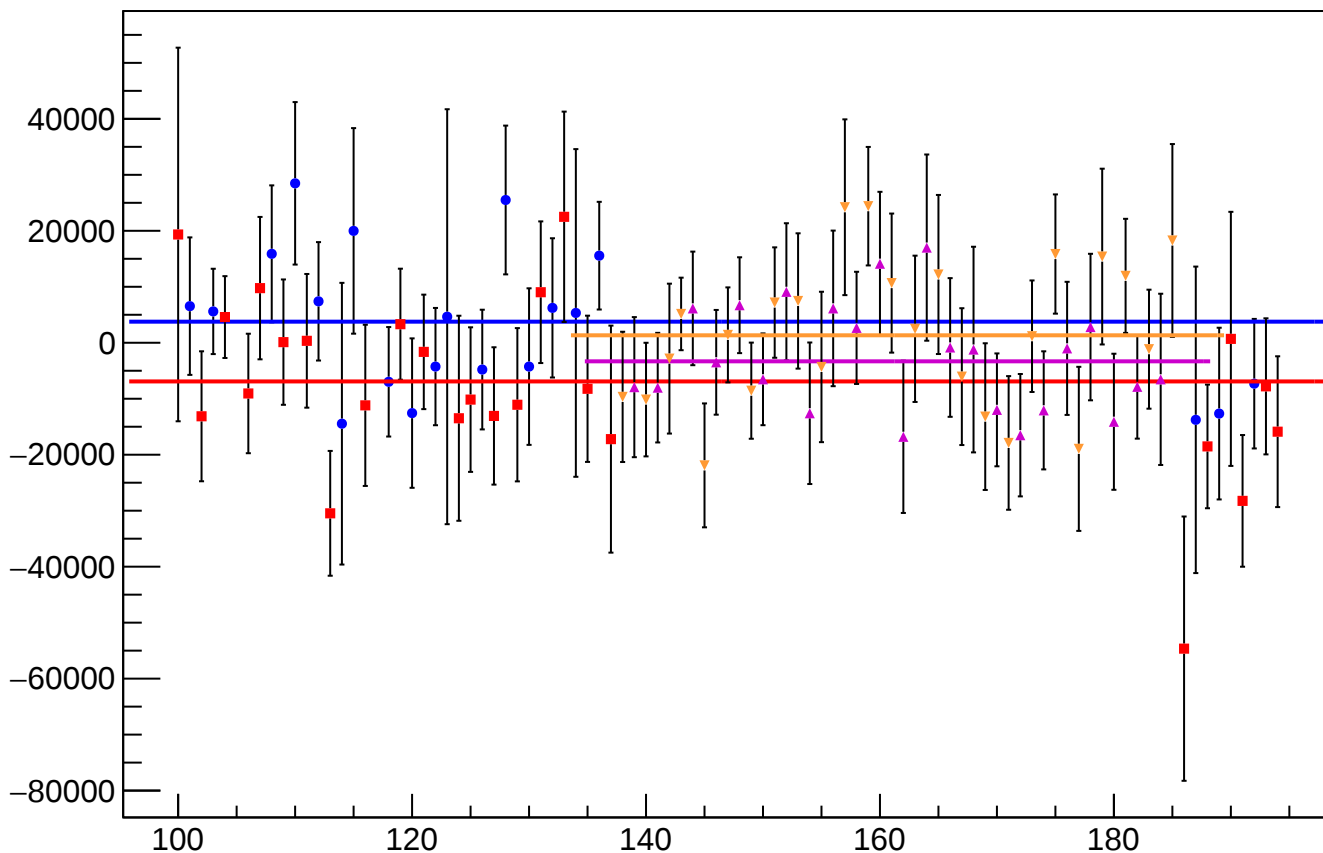
Left In: 9403.481 $\pm$ 1.622 χ^2 /NDF:1142646.9/22

+ sign 8121.595 $\pm$ 1.164 χ^2 /NDF: 3968941.6/44

All: 7752.056 $\pm$ 0.795 χ^2 /NDF: 12929339.1/5

- sign 7428.388 $\pm$ 1.089 χ^2 /NDF: 8771257.3/47

asym_at2_avg_mean vs Slug



Right In: 3767.813 $\pm$ 2820.624 χ^2 /NDF: 16.4/19

Left Out: 1332.828 $\pm$ 2213.733 χ^2 /NDF:28.0/24

Right Out: -6908.168 $\pm$ 2505.024 χ^2 /NDF: 25.7/24

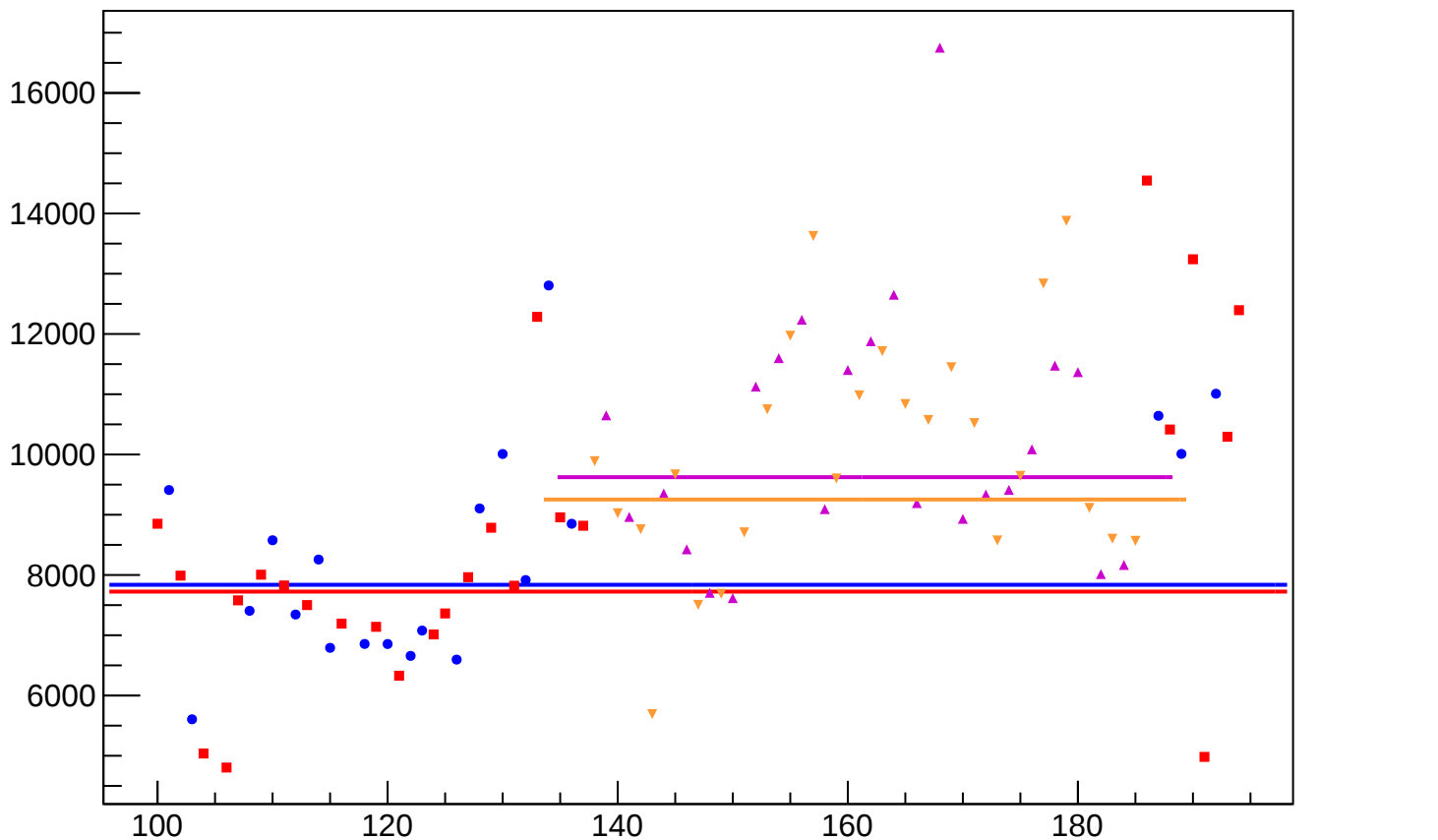
Left In: -3316.909 $\pm$ 2344.543 χ^2 /NDF:13.7/22

+ sign 2260.988 $\pm$ 1741.440 χ^2 /NDF: 44.9/44

All: -1428.756 $\pm$ 1220.758 χ^2 /NDF: 94.2/92

- sign -4993.827 $\pm$ 1711.766 χ^2 /NDF: 40.5/47

asym_at2_avg_rms vs Slug



Right In: 7837.433+/-1.994 χ^2/NDF : 665293.0/19

Left Out: 9252.712+/-1.565 χ^2/NDF : 1597668.9/24

Right Out: 7724.443+/-1.771 χ^2/NDF : 1474525.0/24

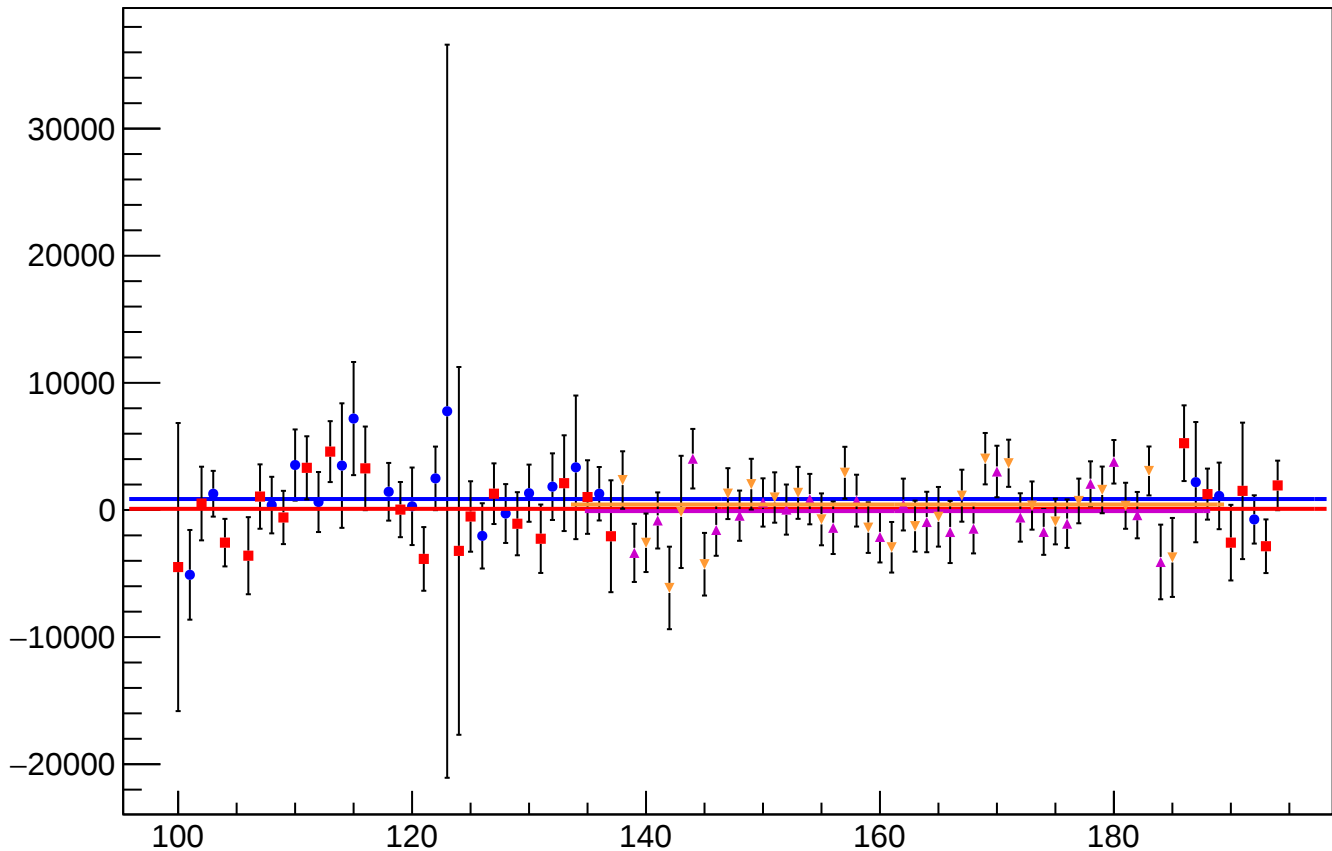
Left In: 9623.485+/-1.658 χ^2/NDF : 1069924.0/22

+ sign 8713.225+/-1.231 χ^2/NDF : 2574565.5/44

All: 8725.133+/-0.863 χ^2/NDF : 5731967.8/92

- sign 8736.639+/-1.210 χ^2/NDF : 3157218.3/47

reg_asym_at2_dd_mean vs Slug



Right In: 861.139 $\pm$ 591.312 χ^2 /NDF: 9.5/19

Left Out: 429.447 $\pm$ 416.378 χ^2 /NDF:28.7/24

Right Out: 87.665 $\pm$ 530.379 χ^2 /NDF: 21.6/24

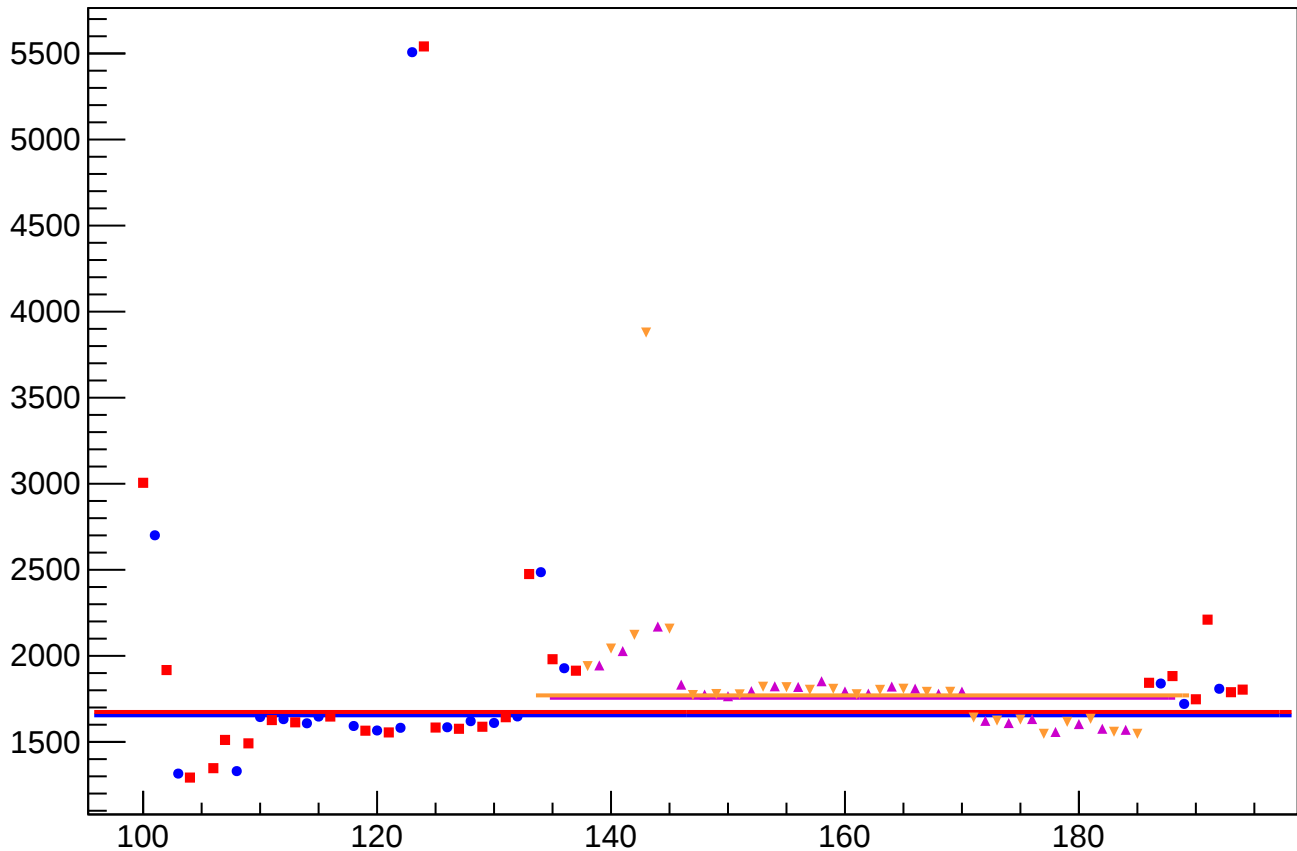
Left In: -88.373 $\pm$ 421.957 χ^2 /NDF:21.0/22

+ sign 572.543 $\pm$ 340.444 χ^2 /NDF: 38.6/44

All: 267.155 $\pm$ 237.027 χ^2 /NDF: 82.7/92

- sign -20.139 $\pm$ 330.204 χ^2 /NDF: 42.6/47

reg_asym_at2_dd_rms vs Slug



Right In: 1654.562 $\pm$ 0.418 χ^2 /NDF: 427342.7/19

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1674.017 $\pm$ 0.375 χ^2 /NDF: 517046.5/24

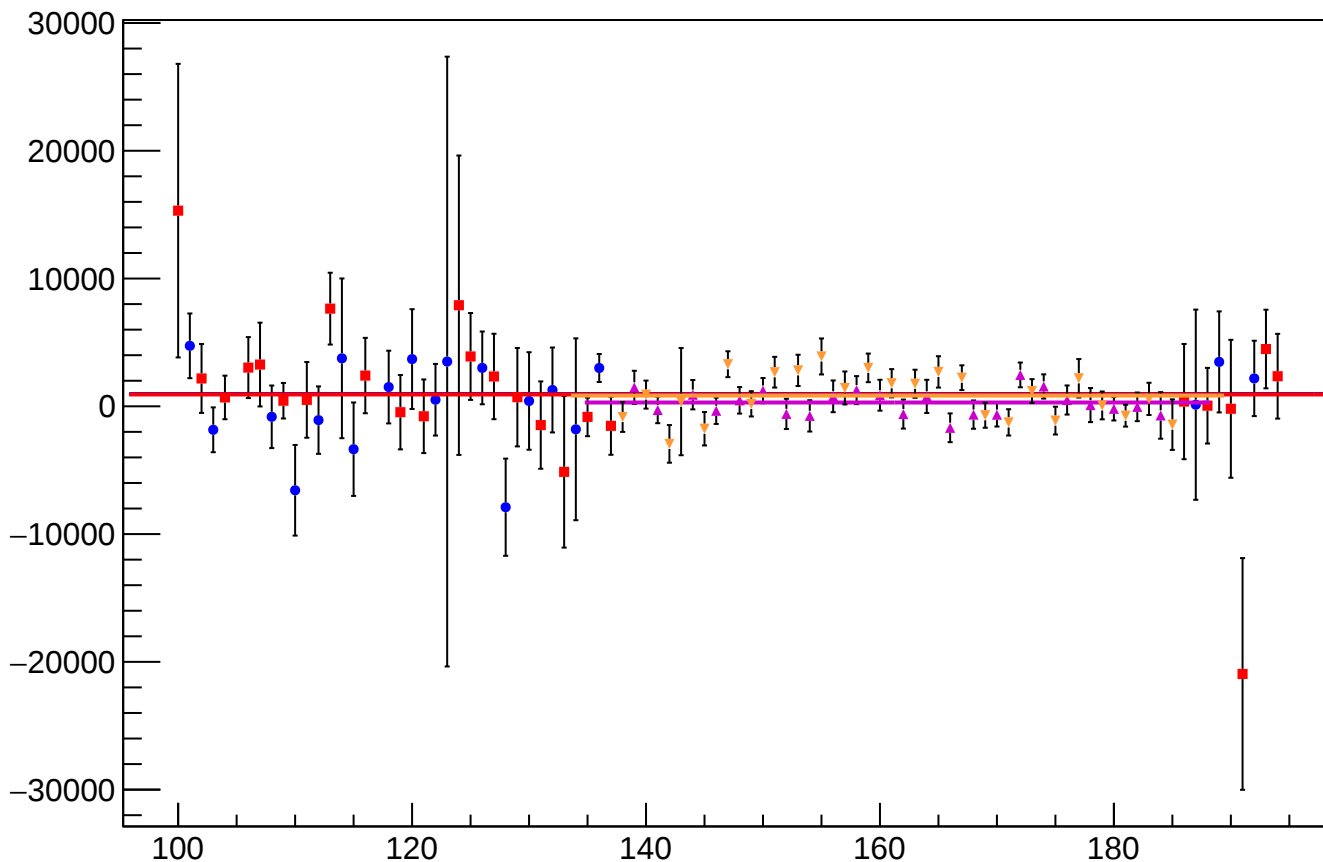
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1731.991 $\pm$ 0.241 χ^2 /NDF: 1178176.4/44

All: 1728.185 $\pm$ 0.168 χ^2 /NDF: 1948496.3/92

- sign 1724.604 $\pm$ 0.233 χ^2 /NDF: 769834.6/47

asym_at2_dd_correction_mean vs Slug



Right In: 961.059 $\pm$ 609.211 χ^2 /NDF: 22.7/19

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

Right Out: 928.350 $\pm$ 552.619 χ^2 /NDF: 22.6/24

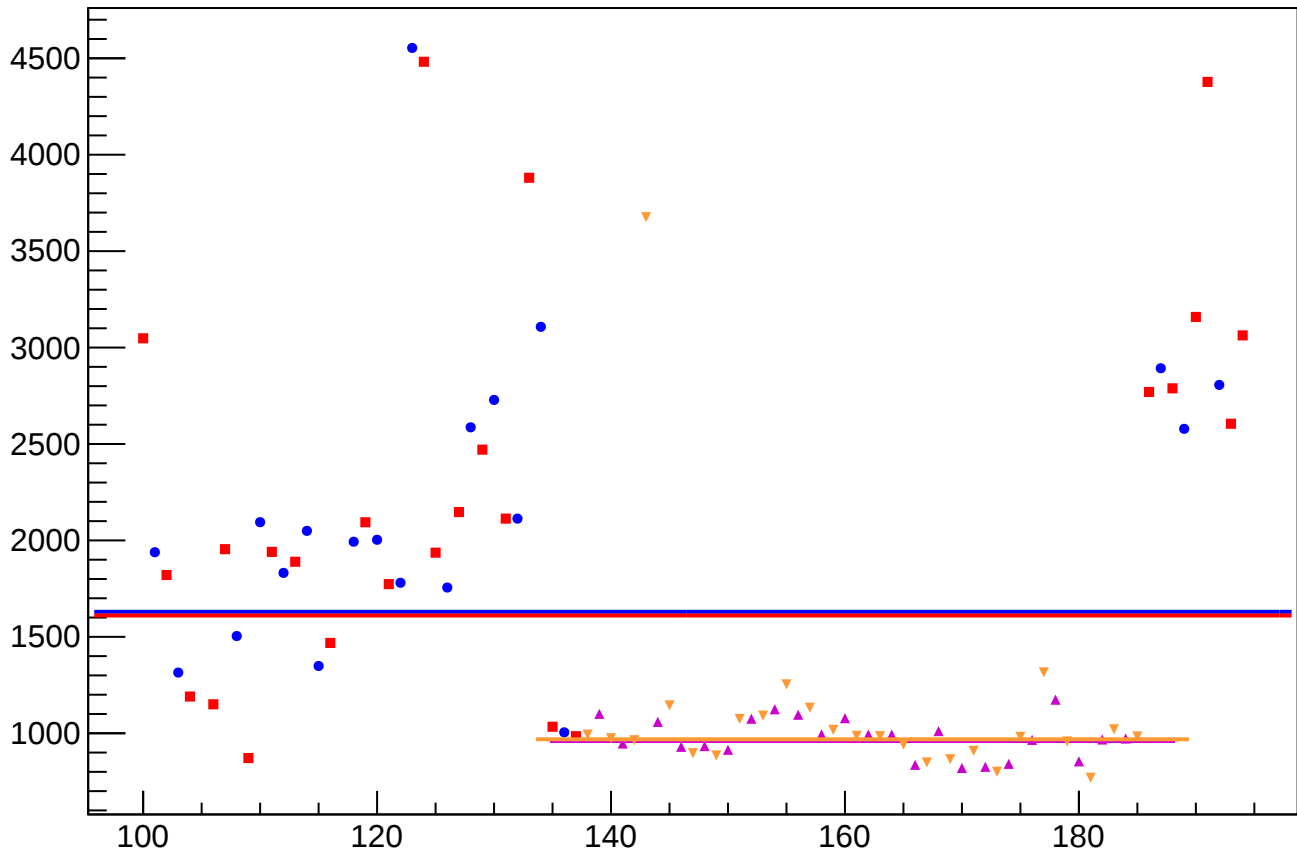
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 854.582 $\pm$ 215.556 χ^2 /NDF: 77.2/44

All: 621.374 $\pm$ 151.669 χ^2 /NDF: 121.6/92

- sign 392.717 $\pm$ 213.443 χ^2 /NDF: 42.1/47

asym_at2_dd_correction_rms vs Slug



Right In: 1629.870+/-0.431 χ^2/NDF : 1822462.7/19

Left Out: 968.712+/-0.163 χ^2/NDF : 1393696.6/24

Right Out: 1610.661+/-0.391 χ^2/NDF : 3400539.7/24

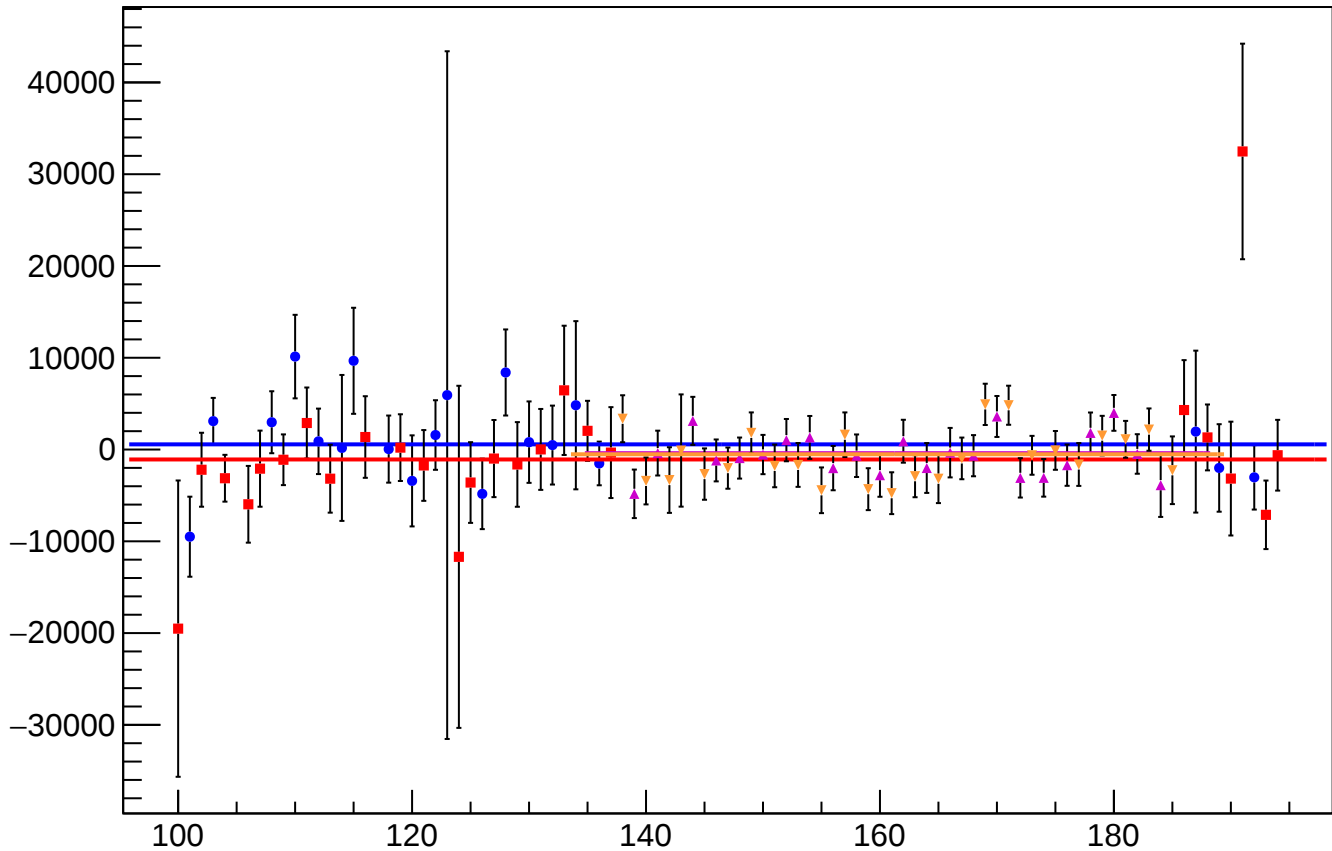
Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

+ sign 1051.485+/-0.152 χ^2/NDF : 5276867.1/44

All: 1054.219+/-0.107 χ^2/NDF : 11409659.0/9

- sign 1056.900+/-0.151 χ^2/NDF : 6132154.7/47

asym_at2_dd_mean vs Slug



Right In: 563.951+/-913.030 χ^2/NDF : 21.6/19

Left Out: -517.719+/-481.486 χ^2/NDF : 34.0/24

Right Out: -1082.034+/-831.362 χ^2/NDF : 20.4/24

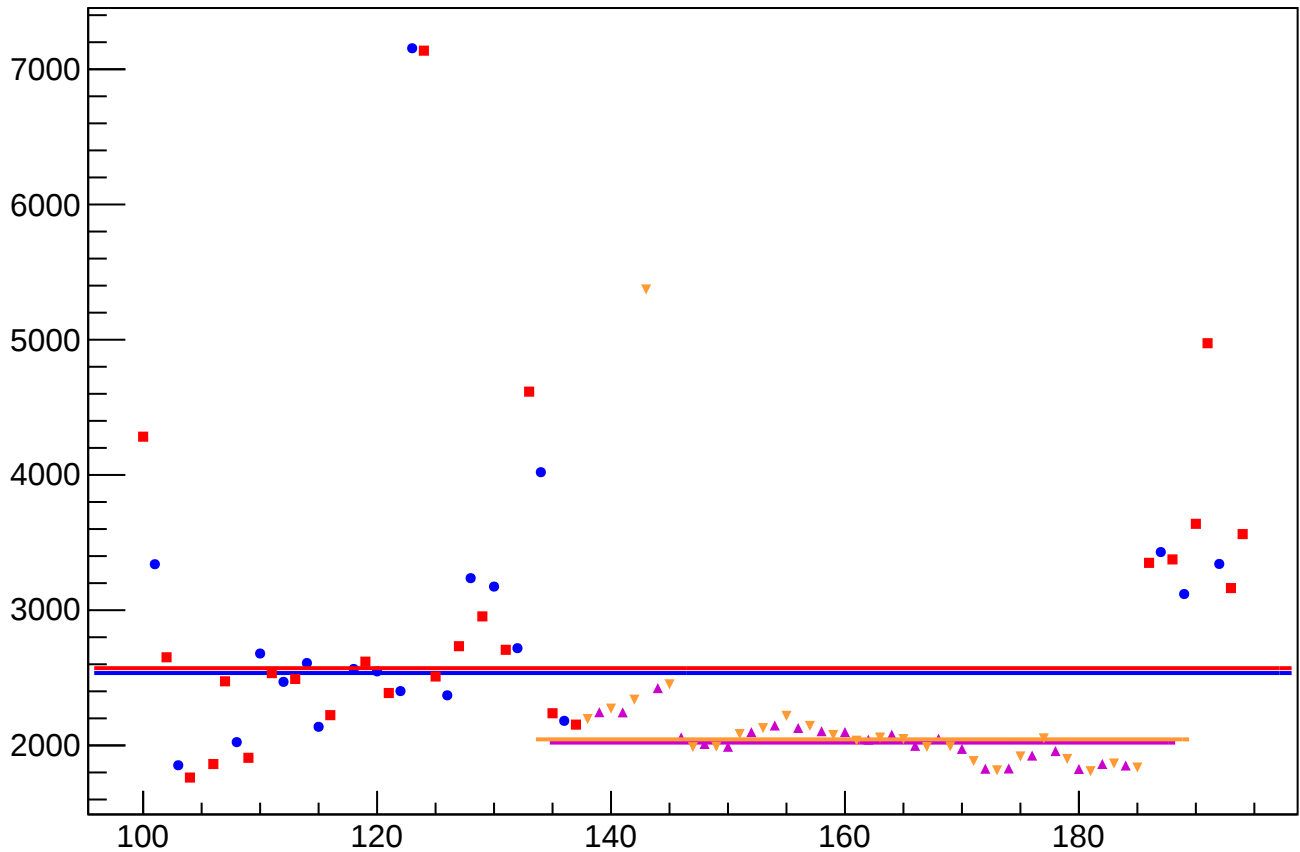
Left In: -397.398+/-485.048 χ^2/NDF : 21.8/22

+ sign -282.362+/-425.894 χ^2/NDF : 56.8/44

All: -429.186+/-298.669 χ^2/NDF : 99.7/92

- sign -571.264+/-418.955 χ^2/NDF : 42.7/47

asym_at2_dd_rms vs Slug



Right In: 2535.188+/-0.646 χ^2/NDF : 651046.7/19

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

Right Out: 2571.178+/-0.588 χ^2/NDF : 1226232.1/24

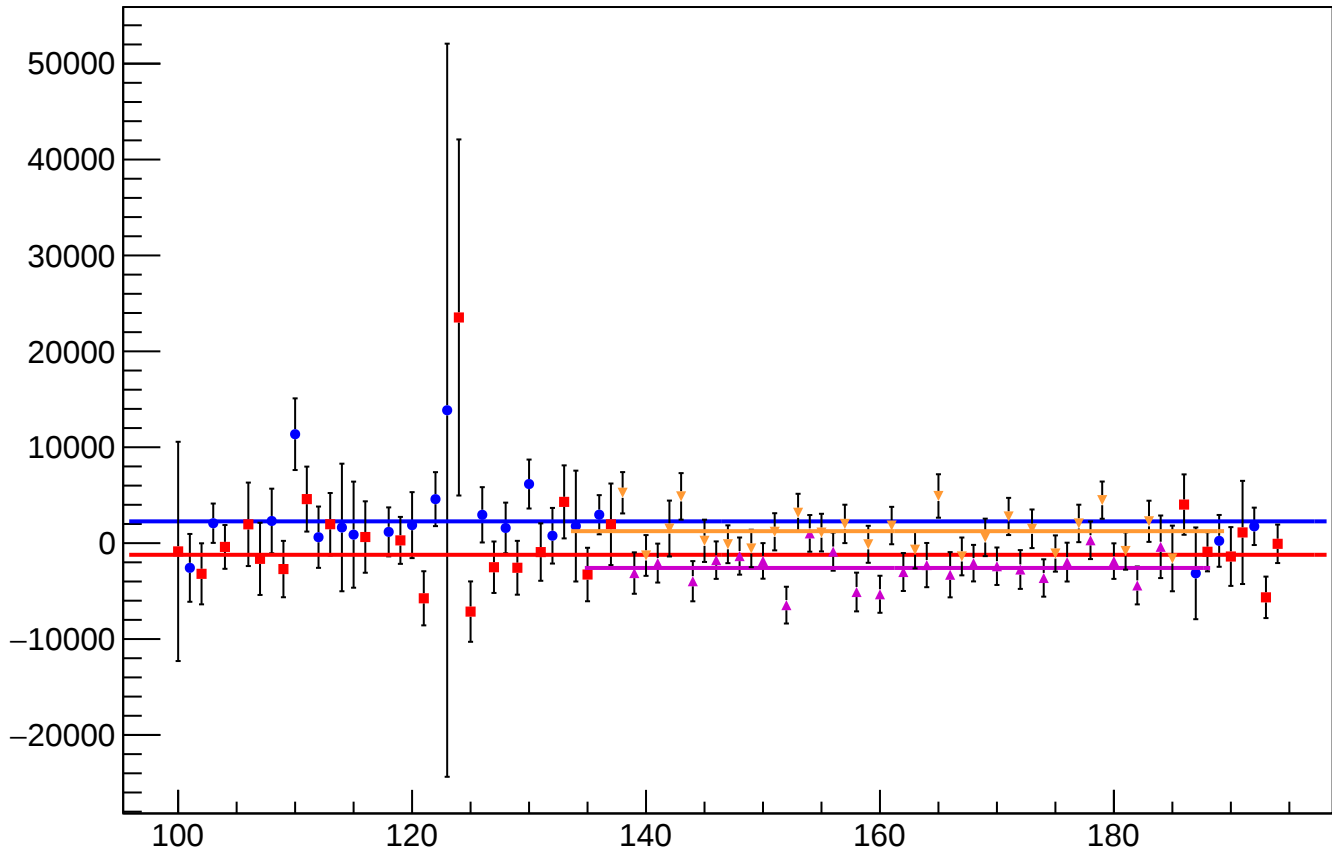
Left In: 2020.802+/-0.343 χ^2/NDF : 173502.0/22

+ sign 2151.442+/-0.301 χ^2/NDF : 1891310.0/44

All: 2156.082+/-0.211 χ^2/NDF : 3945450.5/92

- sign 2160.572+/-0.296 χ^2/NDF : 2053673.3/47

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2271.891 $\pm$ 667.420 χ^2 /NDF: 13.9/19

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF:23.0/24

Right Out: -1214.837 $\pm$ 601.761 χ^2 /NDF: 24.9/24

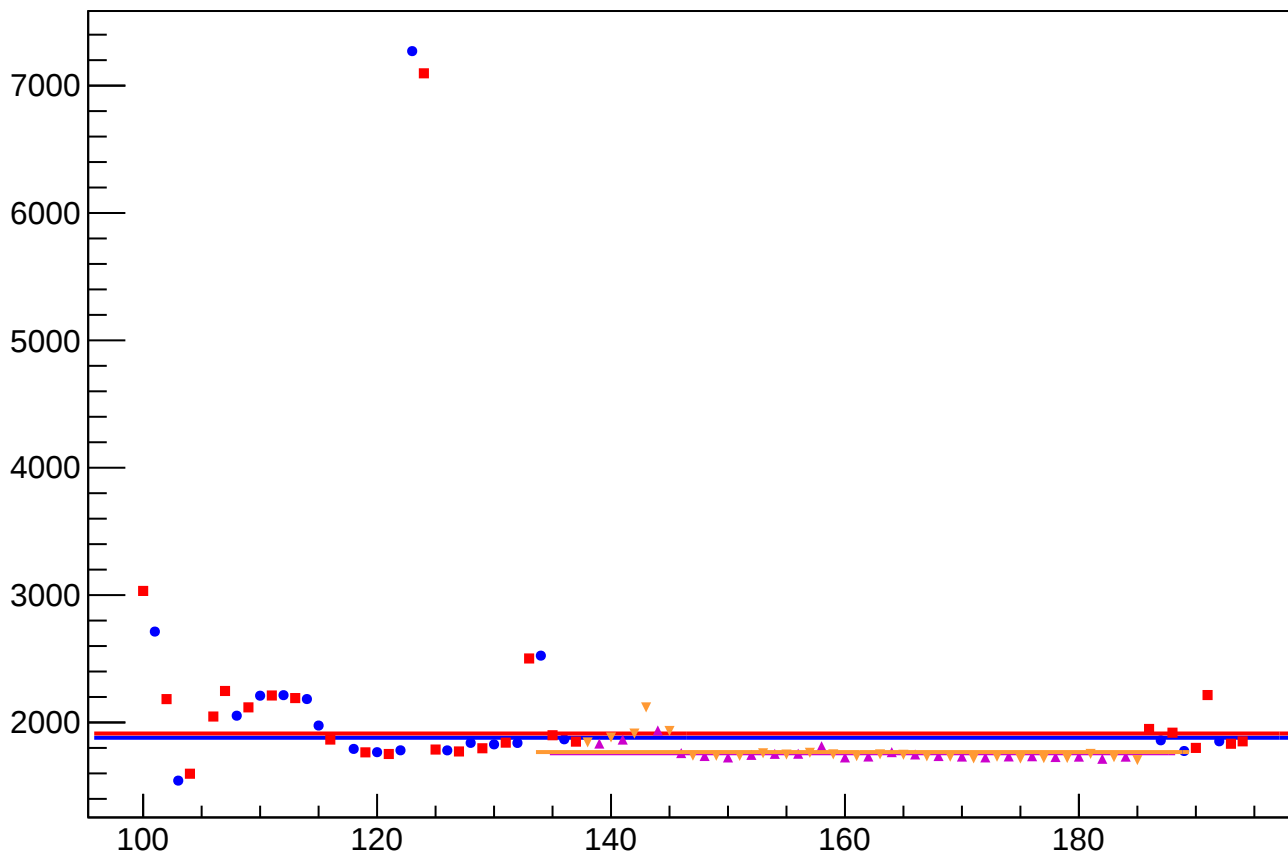
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1532.381 $\pm$ 350.882 χ^2 /NDF: 38.6/44

All: -331.190 $\pm$ 246.092 χ^2 /NDF: 140.0/92

- sign -2135.311 $\pm$ 345.240 χ^2 /NDF: 45.9/47

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1879.905+/-0.472 χ^2/NDF : 291695.4/19

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1913.337+/-0.425 χ^2/NDF : 375157.1/24

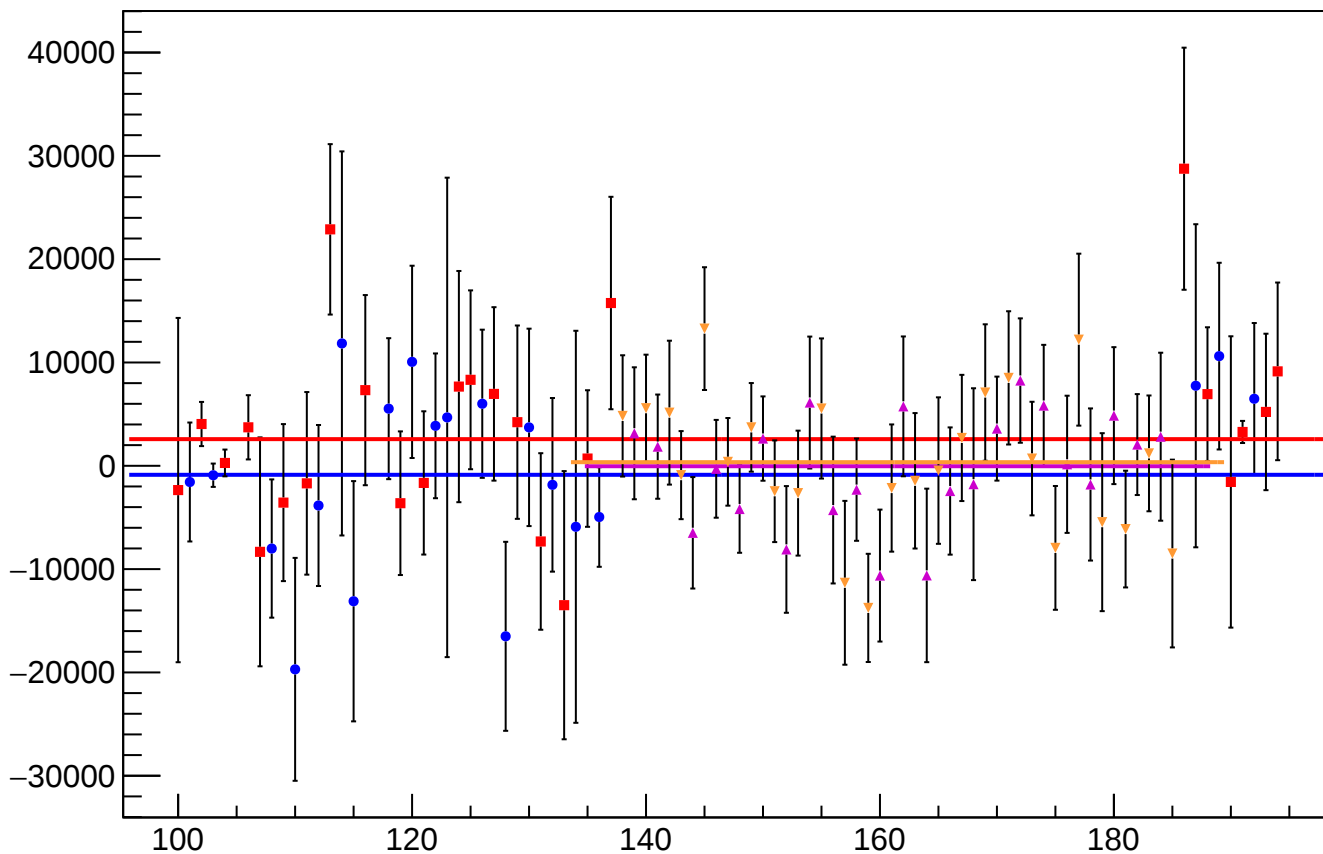
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1798.580+/-0.248 χ^2/NDF : 410407.2/44

All: 1804.004+/-0.174 χ^2/NDF : 905751.7/92

- sign 1809.252+/-0.244 χ^2/NDF : 494404.1/47

asym_atl1r2_avg_correction_mean vs Slug



Right In: -871.574 ± 968.959 χ^2/NDF : 16.5/19

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2580.453 ± 695.496 χ^2/NDF : 25.4/24

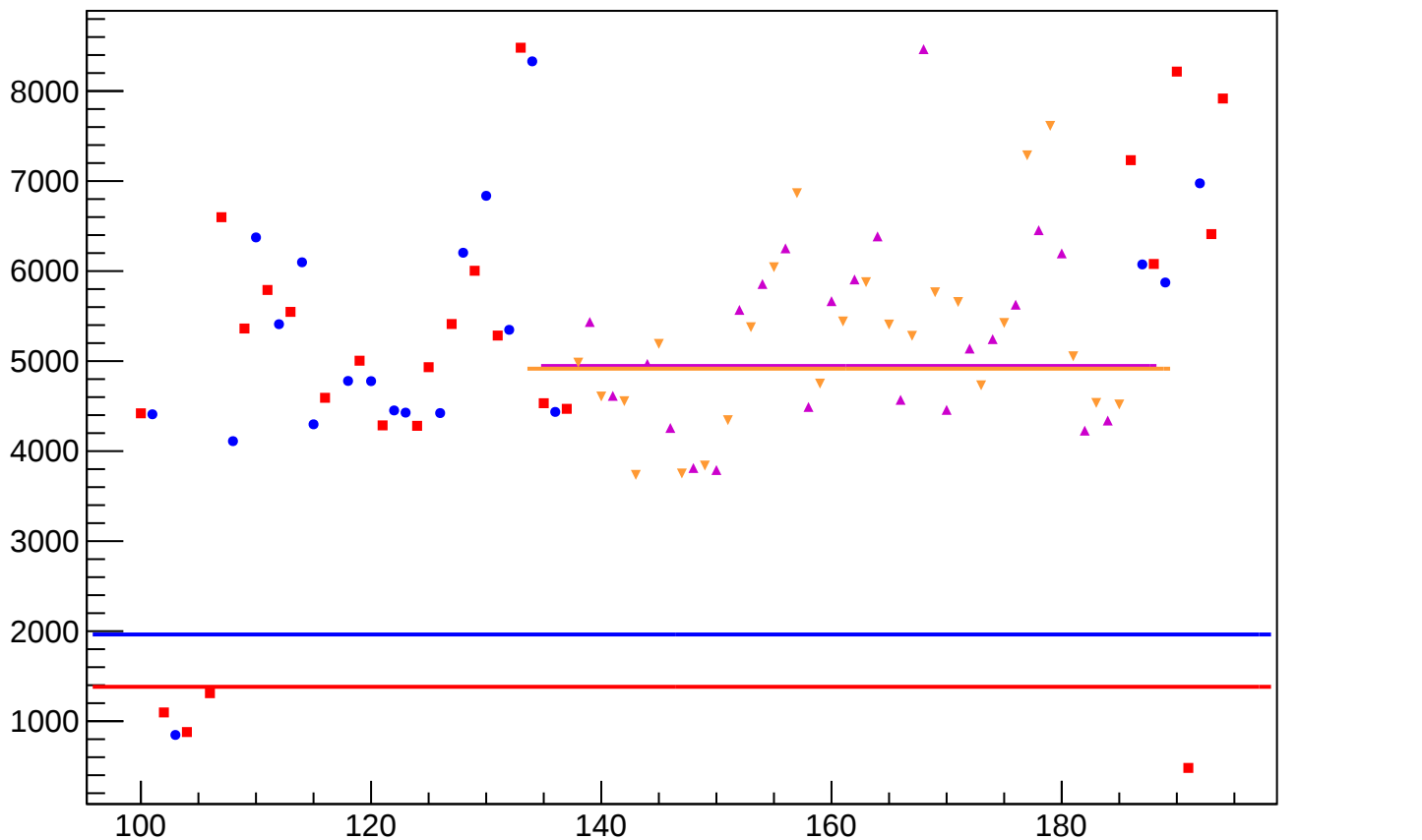
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -374.124 ± 746.280 χ^2/NDF : 45.0/44

All: 1018.975 ± 468.872 χ^2/NDF : 95.7/92

- sign 1927.511 ± 602.673 χ^2/NDF : 45.0/47

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1963.403+/-0.685 χ^2/NDF : 7934222.1/19

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

Right Out: 1381.958+/-0.492 χ^2/NDF : 12090058.2/24

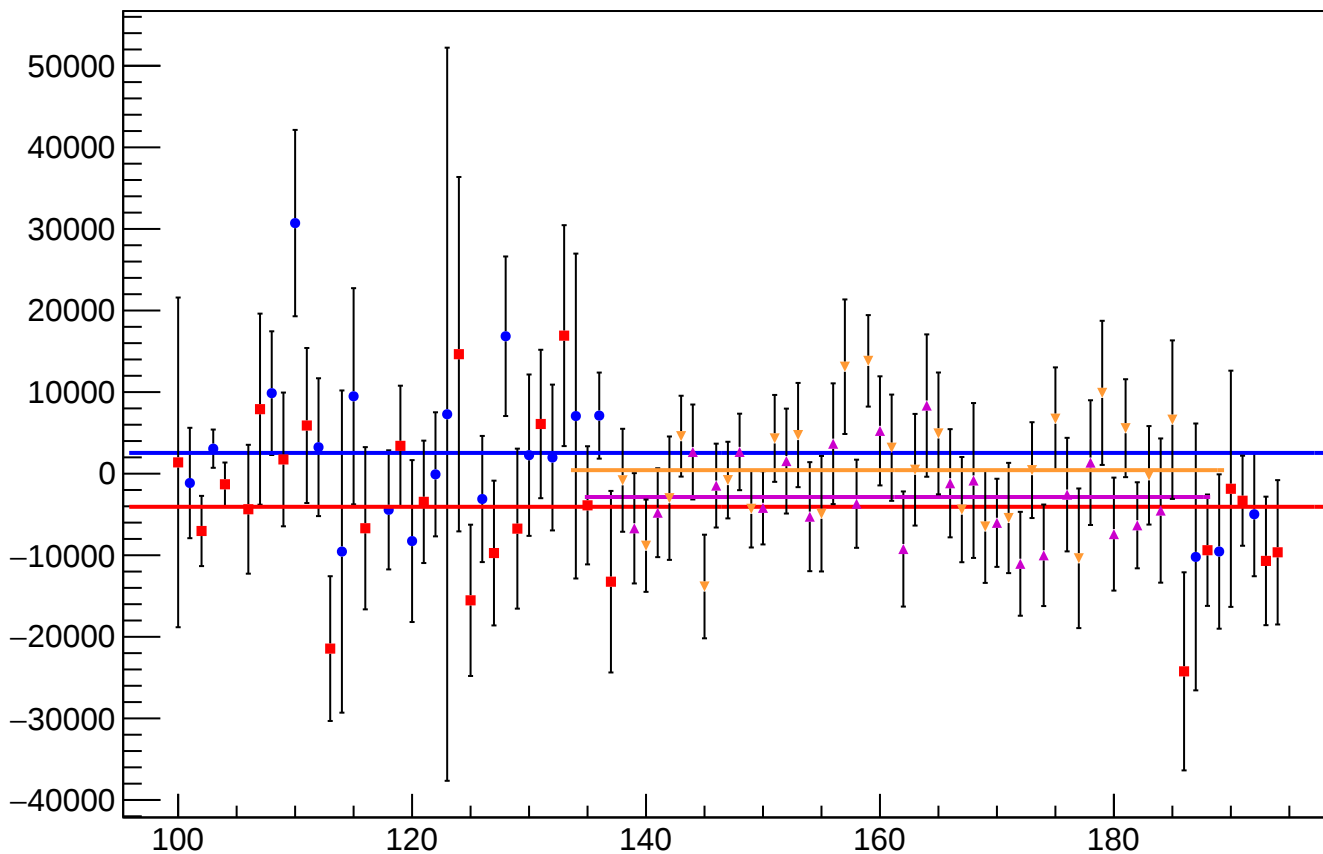
Left In: 4945.817+/-0.854 χ^2/NDF : 1188288.6/22

+ sign 3164.500+/-0.528 χ^2/NDF : 16674776.9/44

All: 2622.945+/-0.332 χ^2/NDF : 44775297.0/9

- sign 2269.760+/-0.426 χ^2/NDF : 26360457.4/47

asym_atl1r2_avg_mean vs Slug



Right In: 2544.117 $\pm$ 1546.069 χ^2 /NDF: 17.0/19

Left Out: 430.860 $\pm$ 1258.273 χ^2 /NDF:27.1/24

Right Out: -4061.541 $\pm$ 1441.195 χ^2 /NDF: 20.8/24

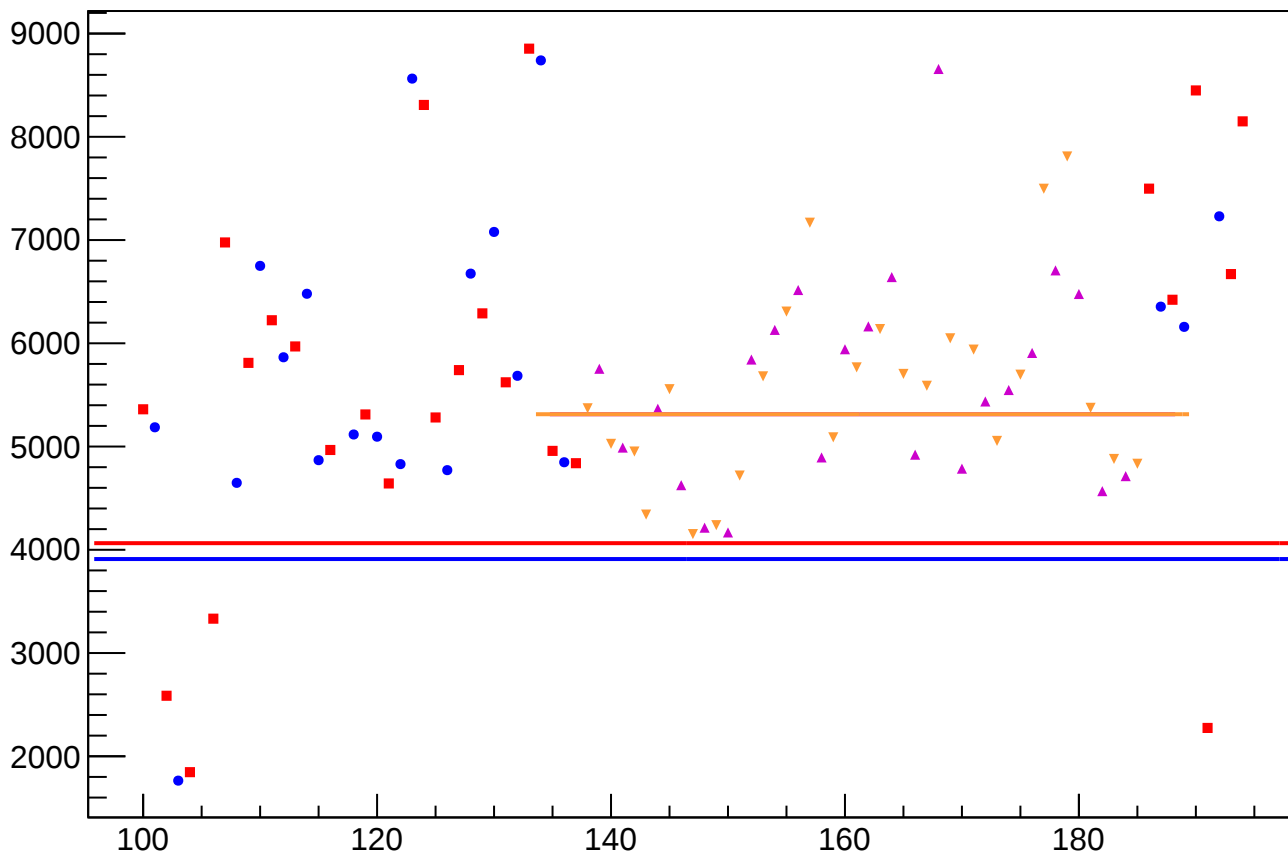
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1272.875 $\pm$ 975.917 χ^2 /NDF: 45.2/44

All: -1094.547 $\pm$ 685.160 χ^2 /NDF: 90.9/92

- sign -3395.668 $\pm$ 962.154 χ^2 /NDF: 34.1/47

asym_atl1r2_avg_rms vs Slug



Right In: 3910.306 $\pm$ 1.093 χ^2 /NDF: 3362992.3/19

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

Right Out: 4064.054 $\pm$ 1.014 χ^2 /NDF: 4216743.6/24

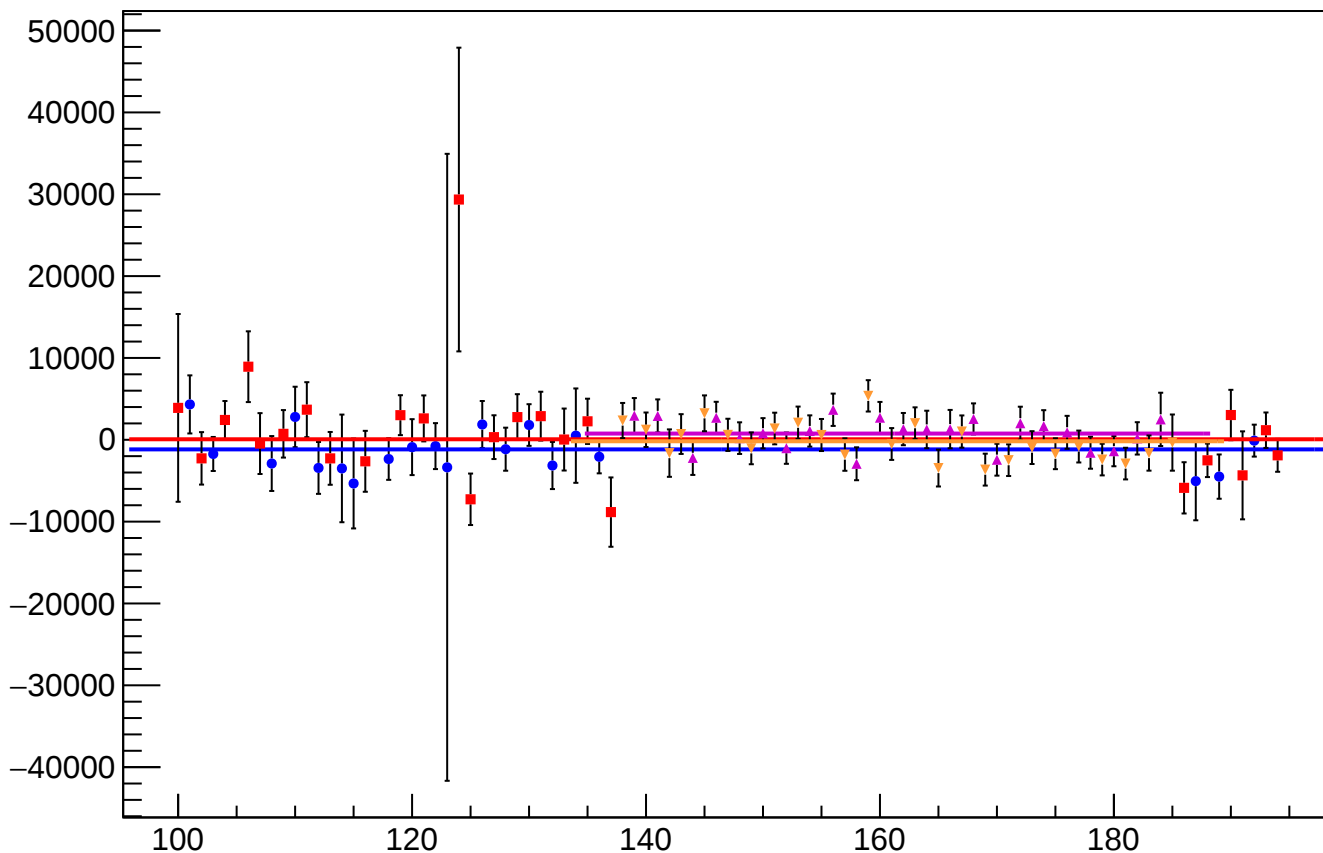
Left In: 5312.861 $\pm$ 0.914 χ^2 /NDF: 957400.7/22

+ sign 4754.109 $\pm$ 0.690 χ^2 /NDF: 5247689.3/44

All: 4753.519 $\pm$ 0.484 χ^2 /NDF: 11259171.0/5

- sign 4752.949 $\pm$ 0.679 χ^2 /NDF: 6011480.3/47

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1173.420 ± 665.935 χ^2/NDF : 11.1/19

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

Right Out: 62.486 ± 600.865 χ^2/NDF : 33.2/24

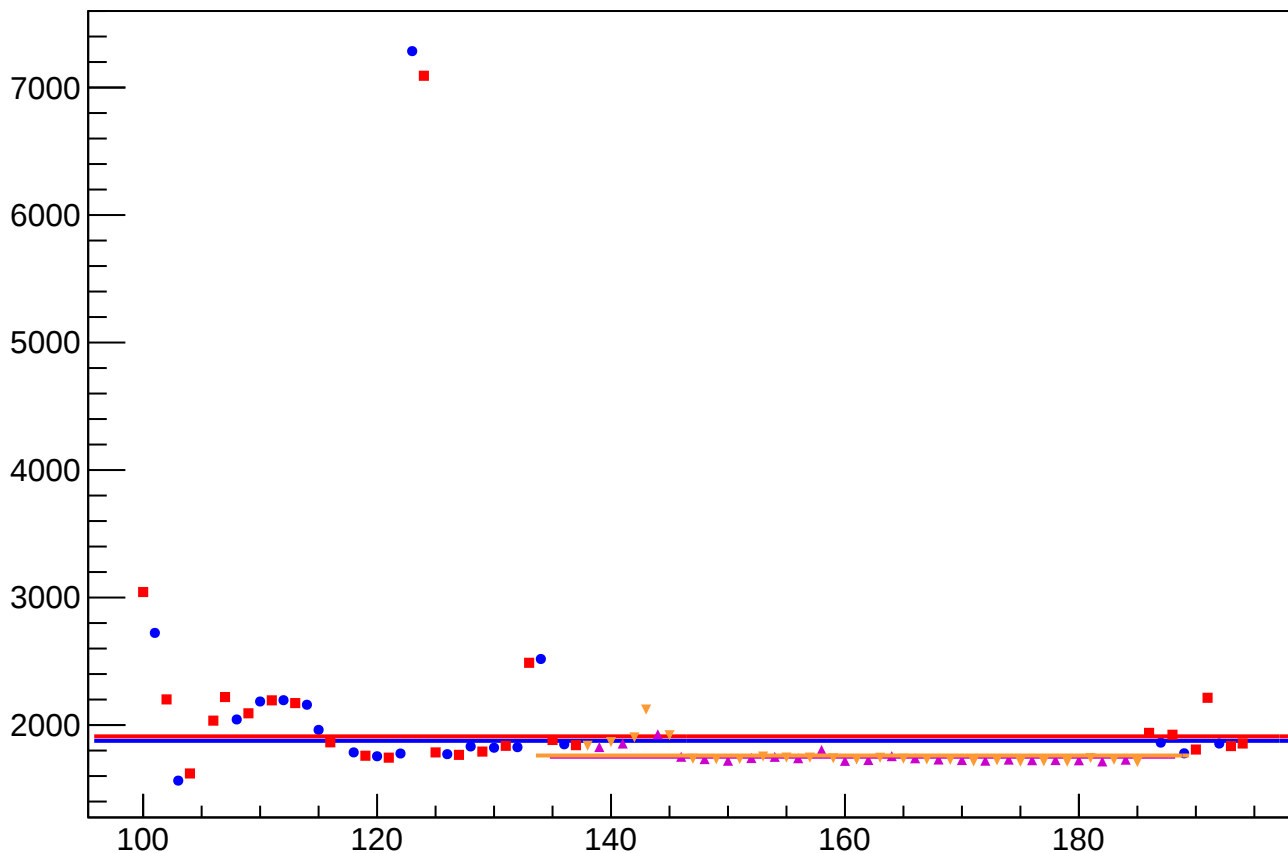
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -453.851 ± 349.737 χ^2/NDF : 41.9/44

All: 46.430 ± 245.316 χ^2/NDF : 100.4/92

- sign 530.964 ± 344.188 χ^2/NDF : 54.4/47

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1876.229+/-0.471 χ^2 /NDF: 282461.0/19

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

Right Out: 1911.301+/-0.424 χ^2 /NDF: 363081.2/24

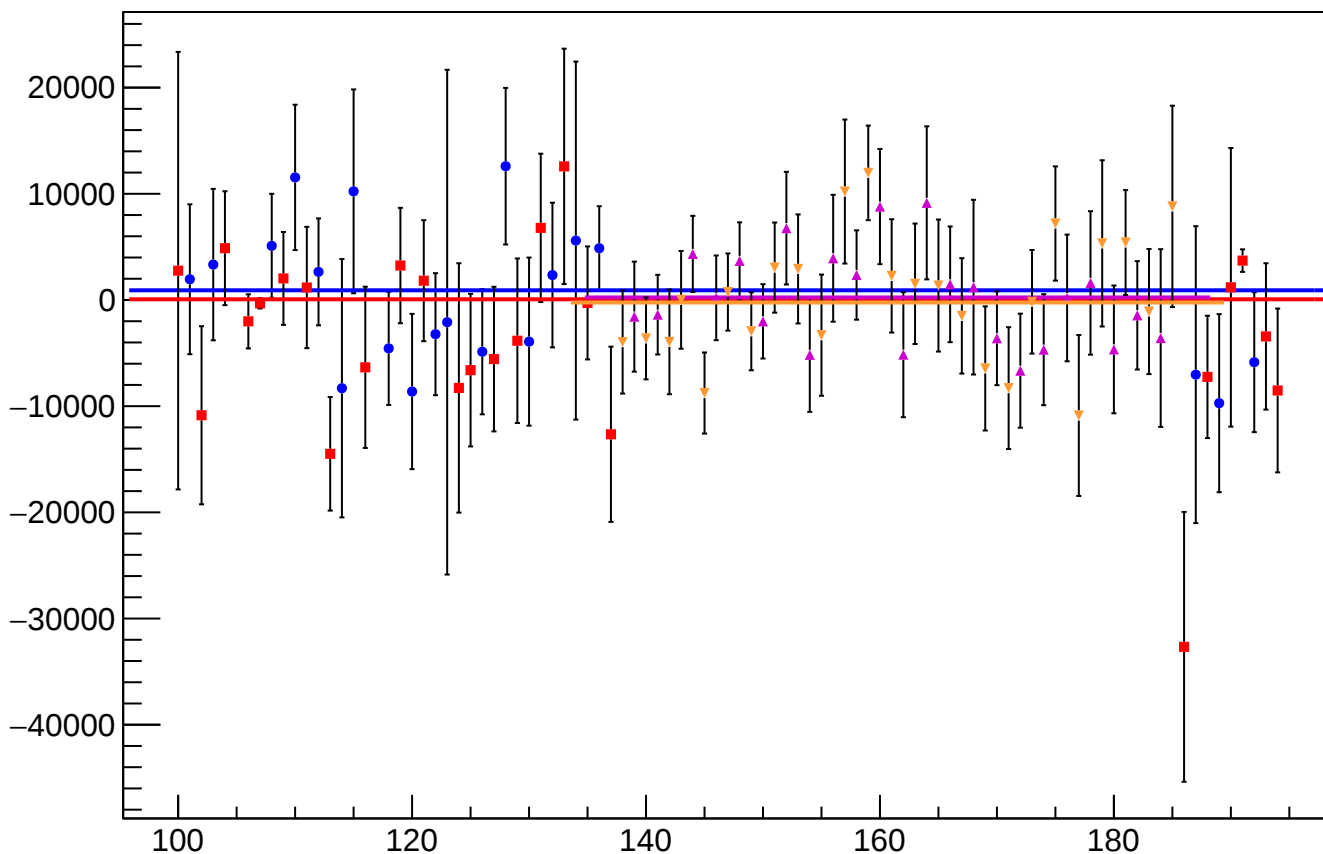
Left In: 1751.418+/-0.297 χ^2 /NDF: 28578.7/22

+ sign 1792.848+/-0.247 χ^2 /NDF: 403226.5/44

All: 1798.491+/-0.173 χ^2 /NDF: 891185.5/92

- sign 1803.952+/-0.243 χ^2 /NDF: 486934.4/47

asym_atl1r2_dd_correction_mean vs Slug



Right In: 912.860 ± 1507.090 $\chi^2/\text{NDF}: 16.2/19$

Left Out: -235.806 ± 1005.144 $\chi^2/\text{NDF}: 28.9/24$

Right Out: 67.286 ± 414.263 $\chi^2/\text{NDF}: 41.1/24$

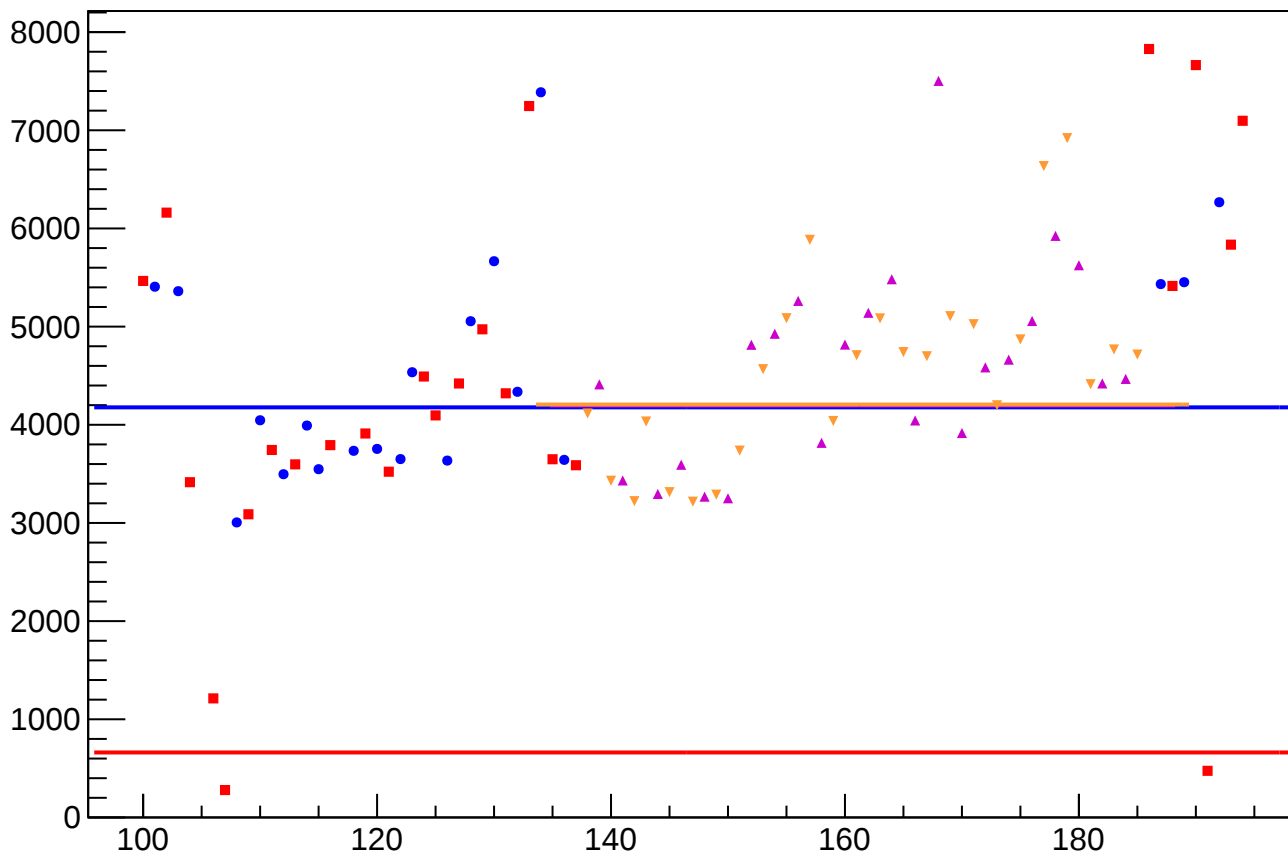
Left In: 239.224 ± 1028.883 $\chi^2/\text{NDF}: 15.3/22$

+ sign 117.833 ± 836.223 $\chi^2/\text{NDF}: 45.4/44$

All: 95.902 ± 349.178 $\chi^2/\text{NDF}: 101.8/92$

- sign 91.271 ± 384.283 $\chi^2/\text{NDF}: 56.4/47$

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4177.584+/-1.066 χ^2/NDF : 804288.8/19

Left Out: 4206.076+/-0.711 χ^2/NDF : 1442269.3/24

Right Out: 662.021+/-0.293 χ^2/NDF : 15392497.6/24

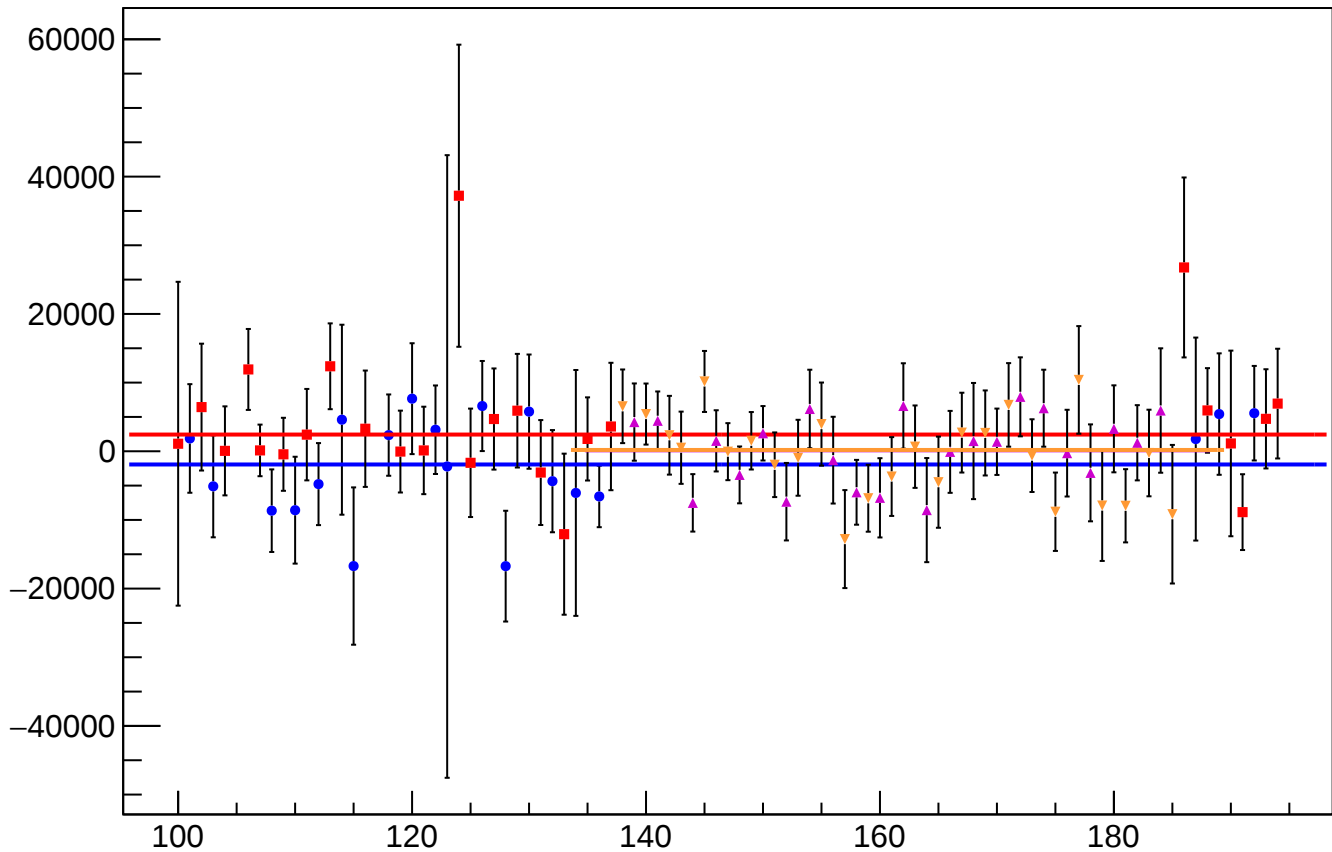
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4197.304+/-0.591 χ^2/NDF : 2247052.9/44

All: 1685.610+/-0.247 χ^2/NDF : 61282805.5/9

- sign 1155.184+/-0.272 χ^2/NDF : 37181870.0/47

asym_atl1r2_dd_mean vs Slug



Right In: -1924.579 ± 1690.086 χ^2/NDF : 16.1/19

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

Right Out: 2433.558 ± 1404.548 χ^2/NDF : 19.9/24

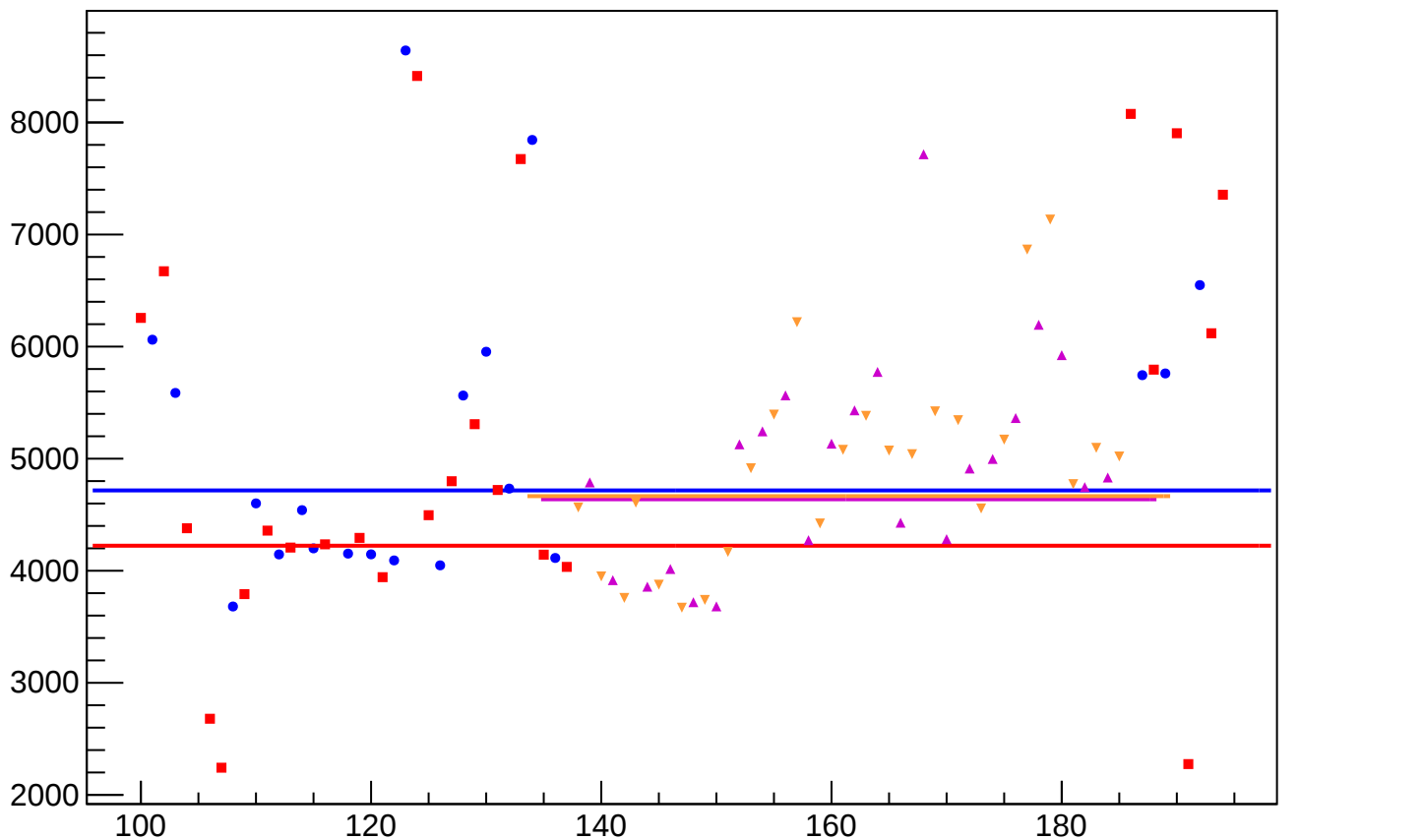
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -444.915 ± 925.950 χ^2/NDF : 42.2/44

All: 334.732 ± 637.983 χ^2/NDF : 83.7/92

- sign 1039.352 ± 880.270 χ^2/NDF : 40.2/47

asym_atl1r2_dd_rms vs Slug



Right In: 4716.730+/-1.195 χ^2/NDF : 593040.5/19

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

+ sign 4680.961+/-0.655 χ^2/NDF : 1611555.5/44

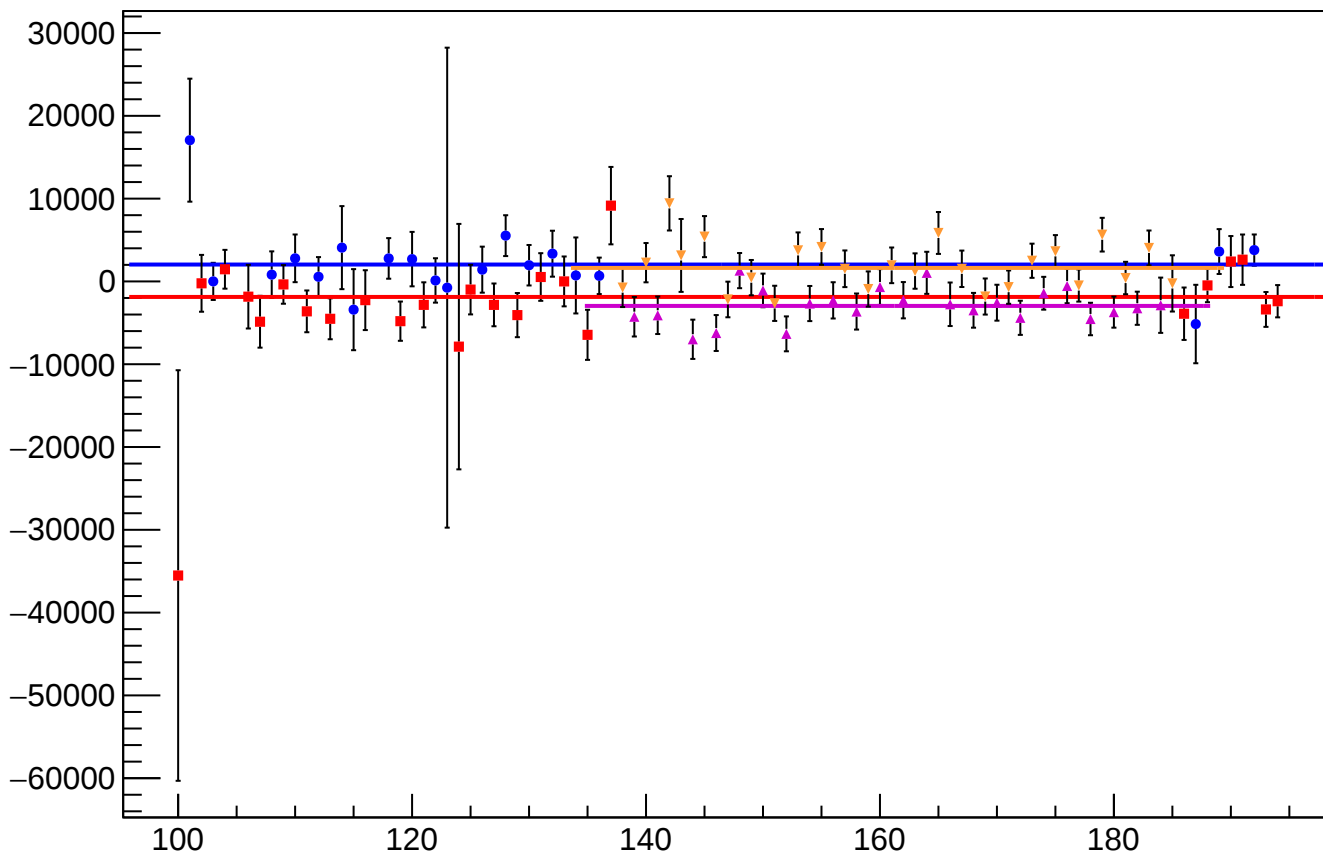
Right Out: 4223.413+/-0.988 χ^2/NDF : 2342023.0/24

All: 4572.047+/-0.451 χ^2/NDF : 5177726.8/92

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

- sign 4474.010+/-0.621 χ^2/NDF : 3513593.0/47

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2038.977 $\pm$ 641.733 χ^2 /NDF: 13.9/19

Left Out: 1630.035 $\pm$ 447.063 χ^2 /NDF: 35.4/24

Right Out: -1874.093 $\pm$ 561.644 χ^2 /NDF: 24.3/24

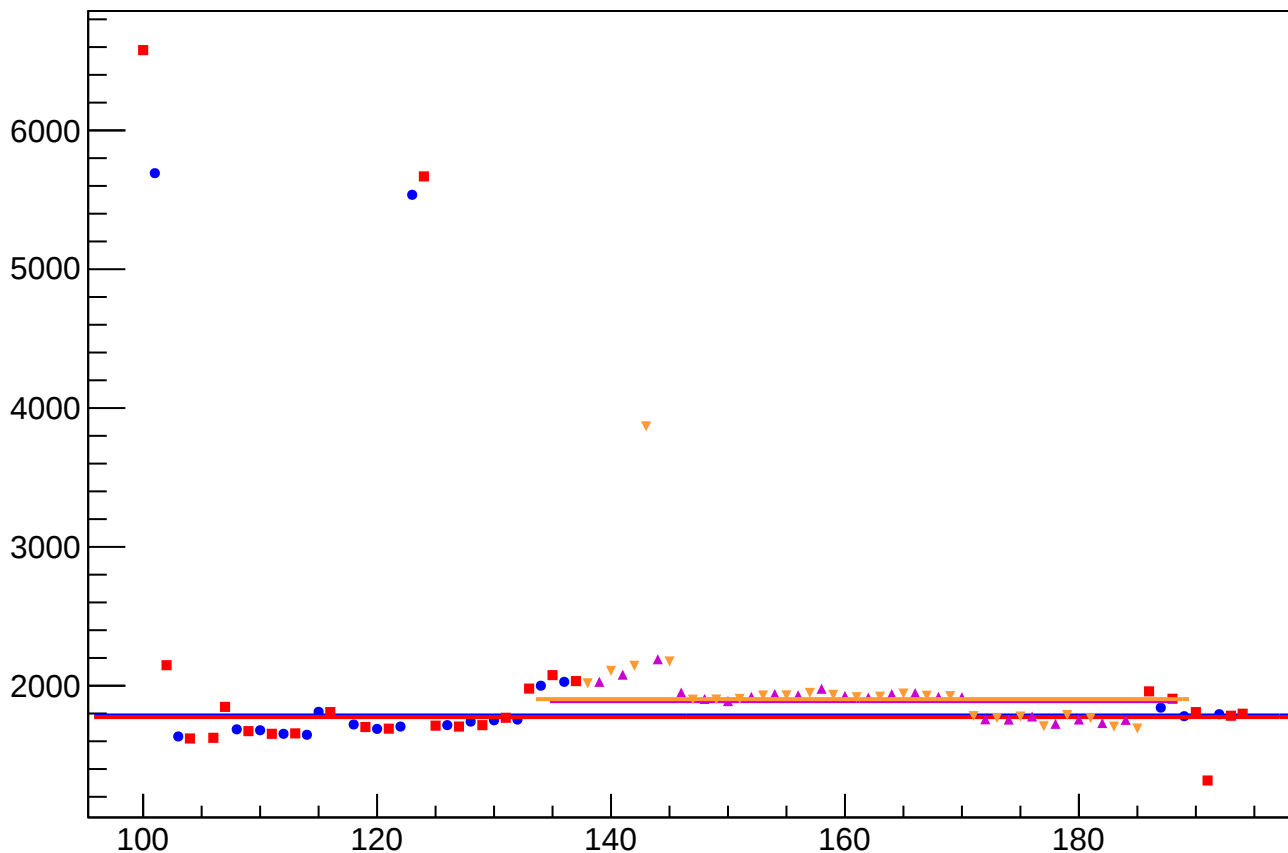
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1763.655 $\pm$ 366.825 χ^2 /NDF: 49.6/44

All: -466.251 $\pm$ 254.328 χ^2 /NDF: 167.7/92

- sign -2530.380 $\pm$ 352.926 χ^2 /NDF: 47.0/47

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1785.726 $\pm$ 0.454 χ^2 /NDF: 644985.0/19

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

Right Out: 1774.024 $\pm$ 0.395 χ^2 /NDF: 367341.9/24

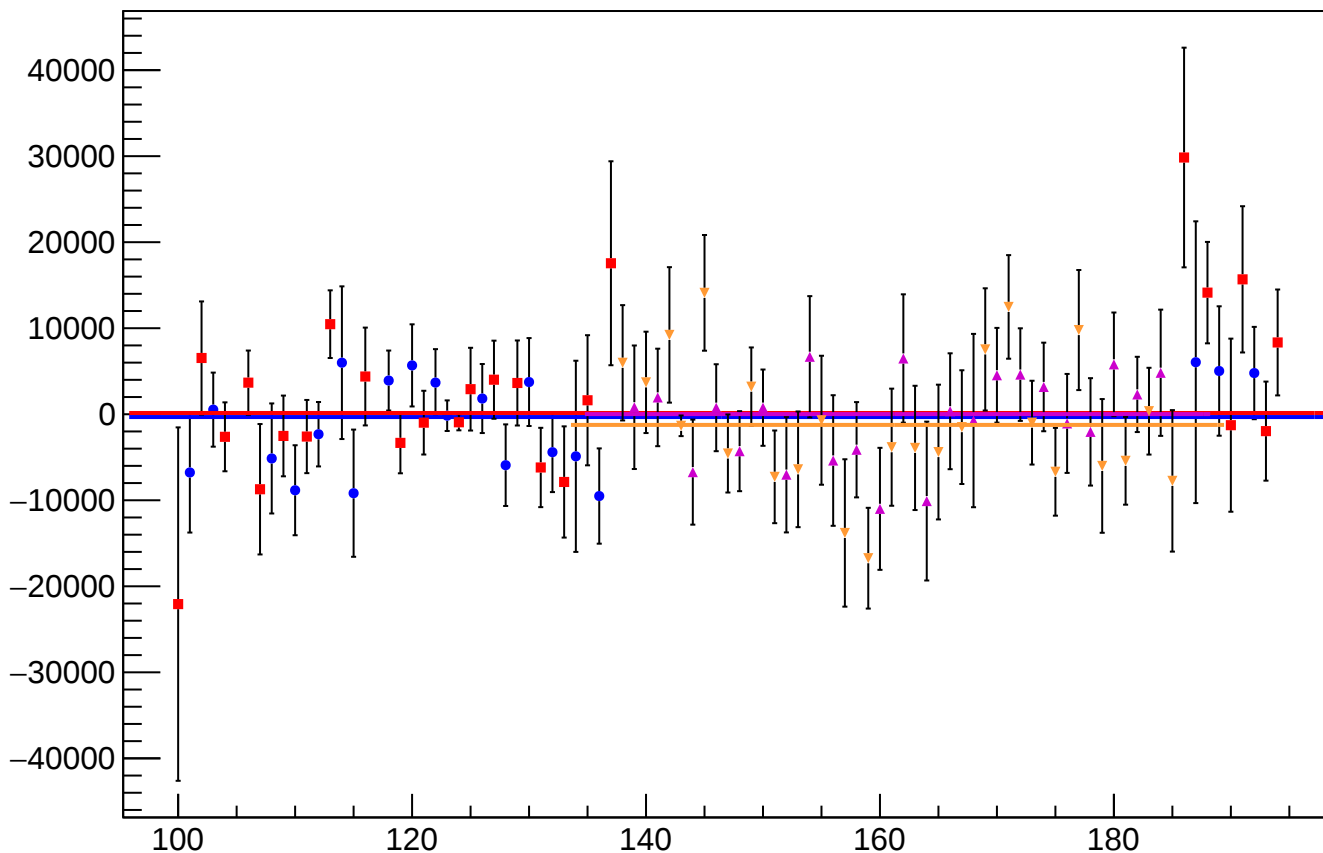
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1865.097 $\pm$ 0.259 χ^2 /NDF: 1232004.5/44

All: 1853.759 $\pm$ 0.180 χ^2 /NDF: 1780376.7/92

- sign 1843.301 $\pm$ 0.249 χ^2 /NDF: 544698.8/47

asym_atr1l2_avg_correction_mean vs Slug



Right In: -325.758 ± 983.182 χ^2/NDF : 18.0/19

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: 146.621 ± 704.805 χ^2/NDF : 38.9/24

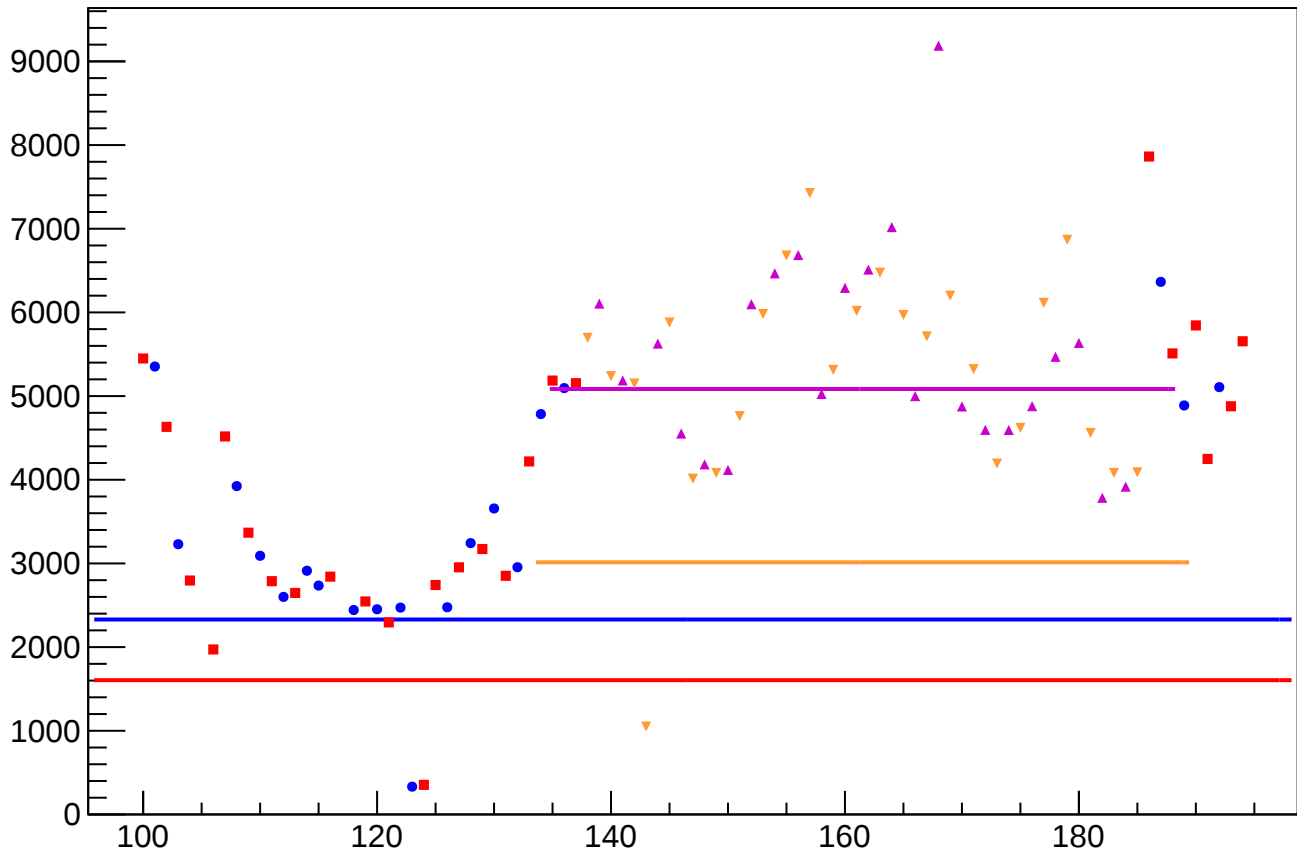
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -840.903 ± 649.518 χ^2/NDF : 52.4/44

All: -335.530 ± 445.862 χ^2/NDF : 105.7/92

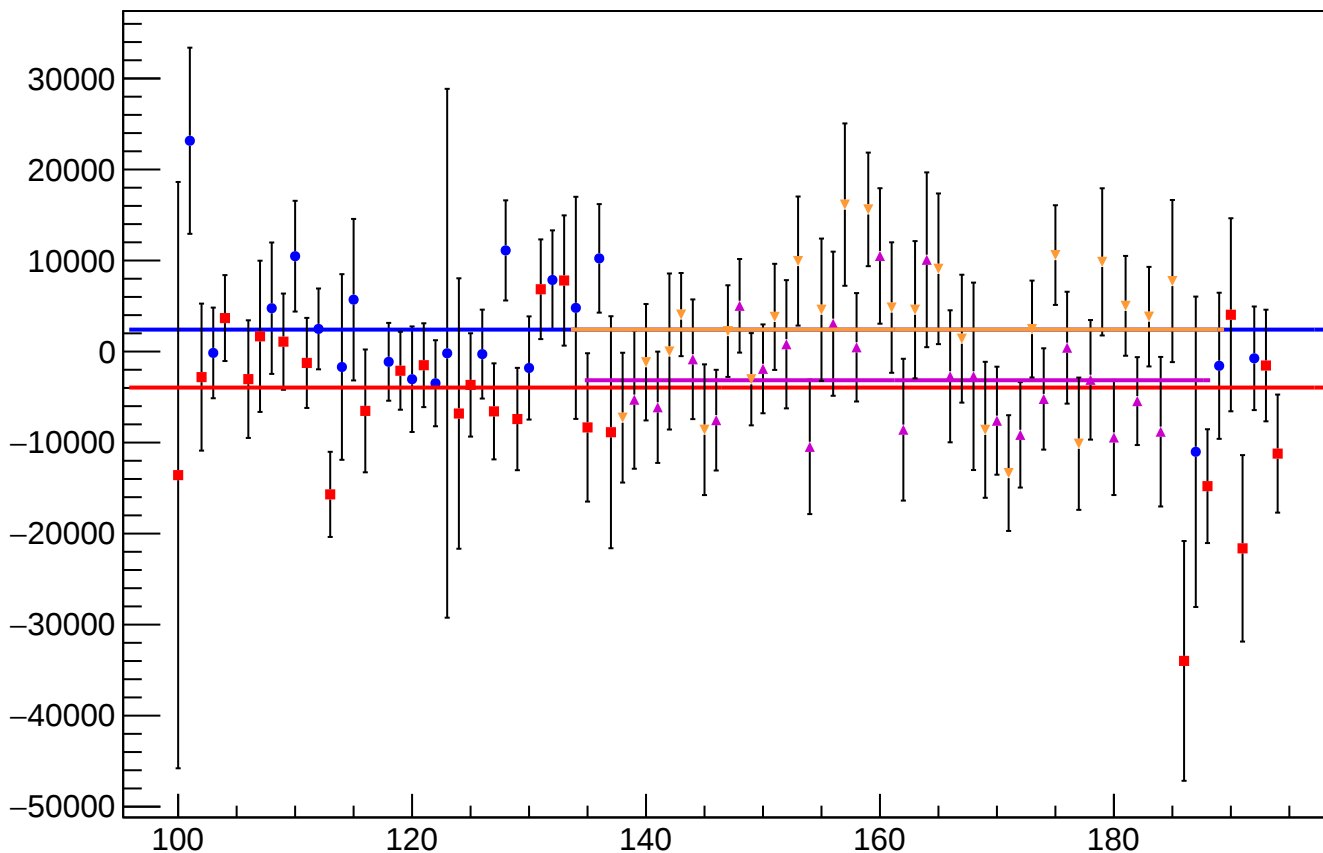
- sign 114.821 ± 613.141 χ^2/NDF : 52.2/47

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2330.028 $\pm$ 0.695	χ^2 /NDF: 4916305.2/19	+ sign 2715.082 $\pm$ 0.459	χ^2 /NDF: 17731382.5/44
Left Out: 3013.268 $\pm$ 0.612	χ^2 /NDF: 12270753.9/24	All: 2575.369 $\pm$ 0.315	χ^2 /NDF: 41526403.0/9
Right Out: 1604.513 $\pm$ 0.498	χ^2 /NDF: 10457633.9/24	- sign 2450.868 $\pm$ 0.434	χ^2 /NDF: 23620020.3/47
Left In: 5084.645 $\pm$ 0.879	χ^2 /NDF: 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2409.810+/-1381.386 χ^2/NDF : 17.0/19

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -3956.193+/-1266.930 χ^2/NDF : 32.2/24

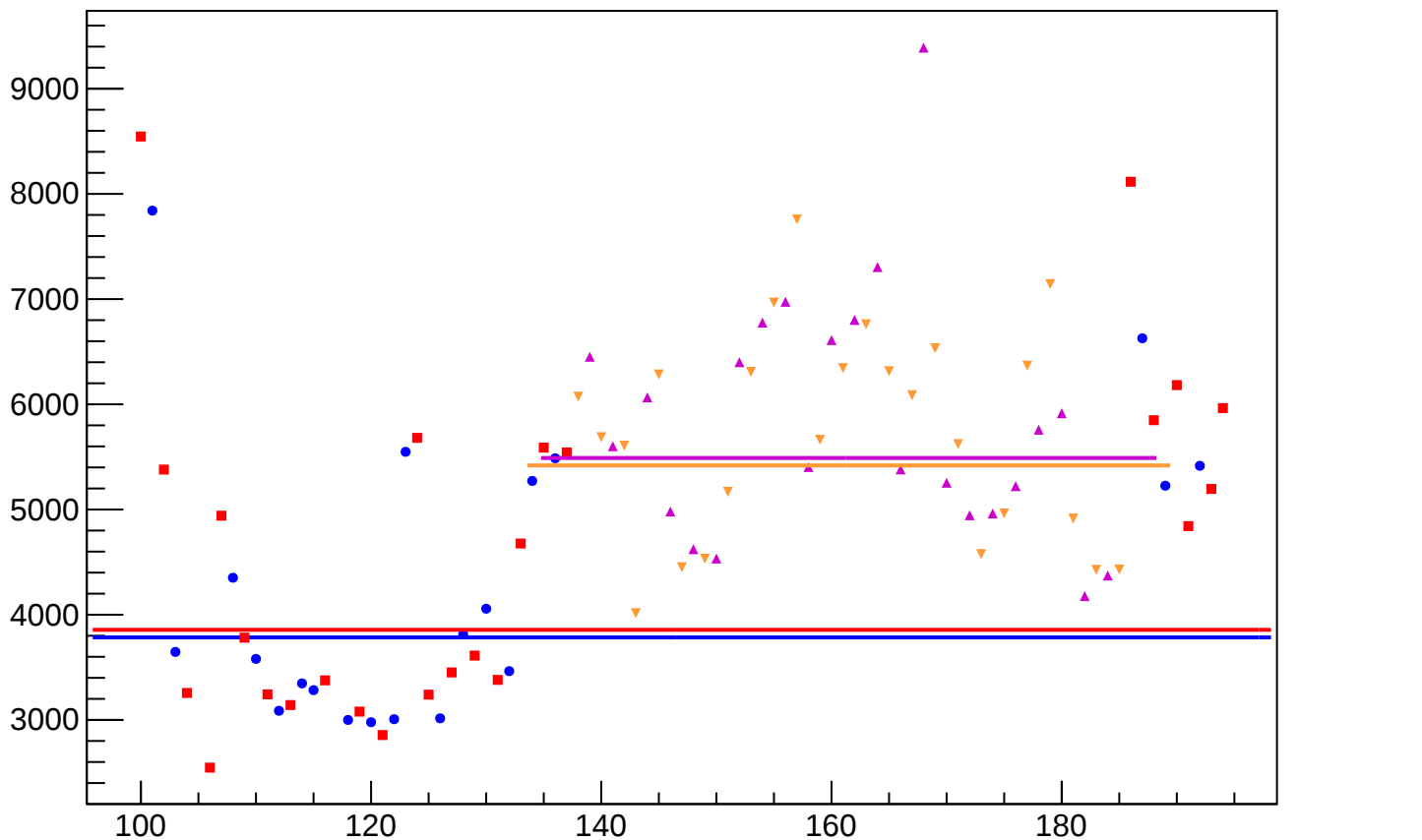
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2413.773+/-941.445 χ^2/NDF : 46.9/44

All: -651.184+/-657.898 χ^2/NDF : 115.4/92

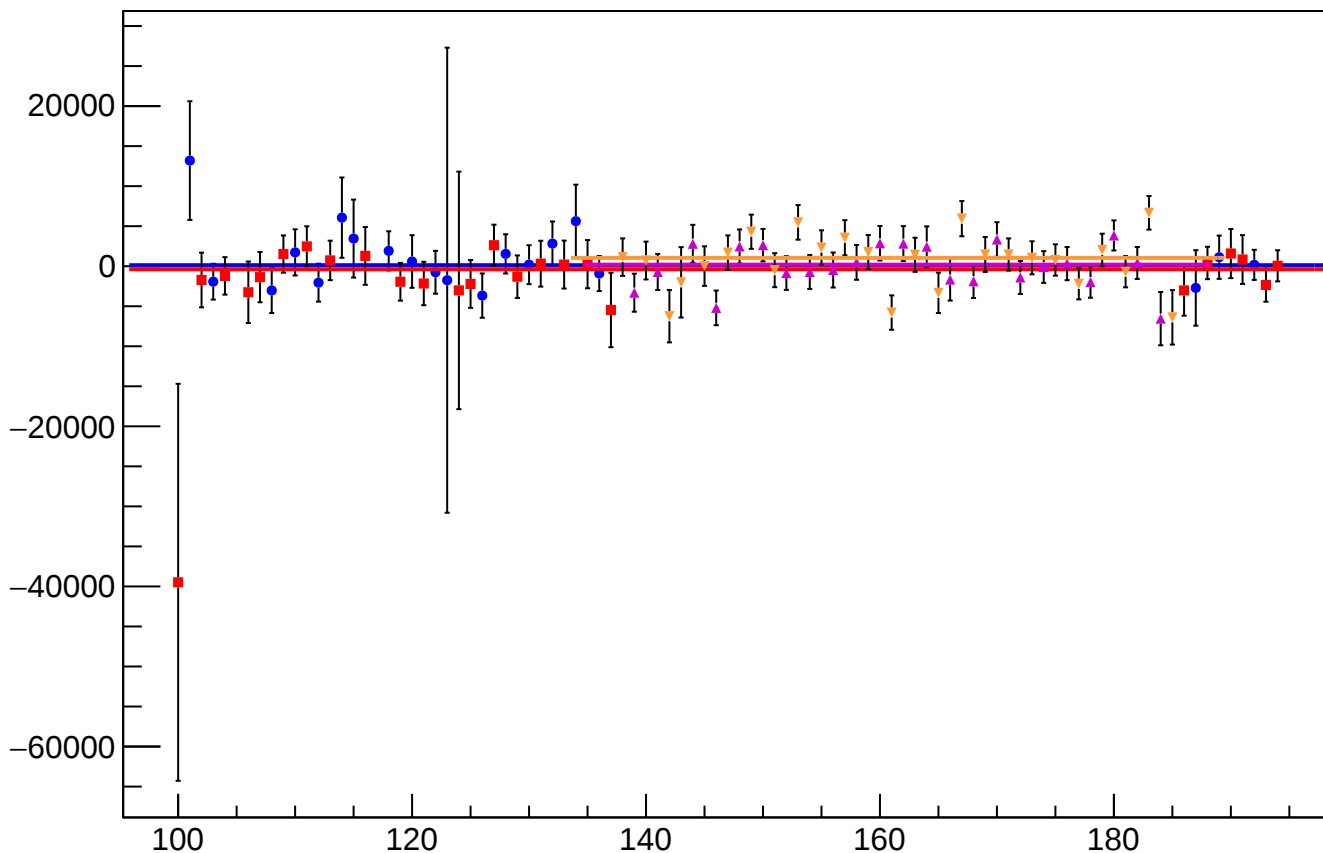
- sign -3576.519+/-919.752 χ^2/NDF : 47.9/47

asym_atr1l2_avg_rms vs Slug



Right In: 3784.095 $\pm$ 0.977	χ^2 /NDF: 1096518.5/19	+ sign 4659.791 $\pm$ 0.666	χ^2 /NDF: 3707321.8/44
Left Out: 5419.305 $\pm$ 0.910	χ^2 /NDF: 1109972.1/24	All: 4638.994 $\pm$ 0.464	χ^2 /NDF: 7994817.4/92
Right Out: 3856.466 $\pm$ 0.885	χ^2 /NDF: 1631290.1/24	- sign 4619.391 $\pm$ 0.646	χ^2 /NDF: 4285599.6/47
Left In: 5489.885 $\pm$ 0.946	χ^2 /NDF: 1064353.3/22		

reg_asym_atr1l2_dd_mean vs Slug



Right In: 126.336 $\pm$ 639.837 χ^2 /NDF: 14.2/19

Left Out: 1041.262 $\pm$ 446.249 χ^2 /NDF: 48.6/24

Right Out: -383.773 $\pm$ 559.840 χ^2 /NDF: 12.3/24

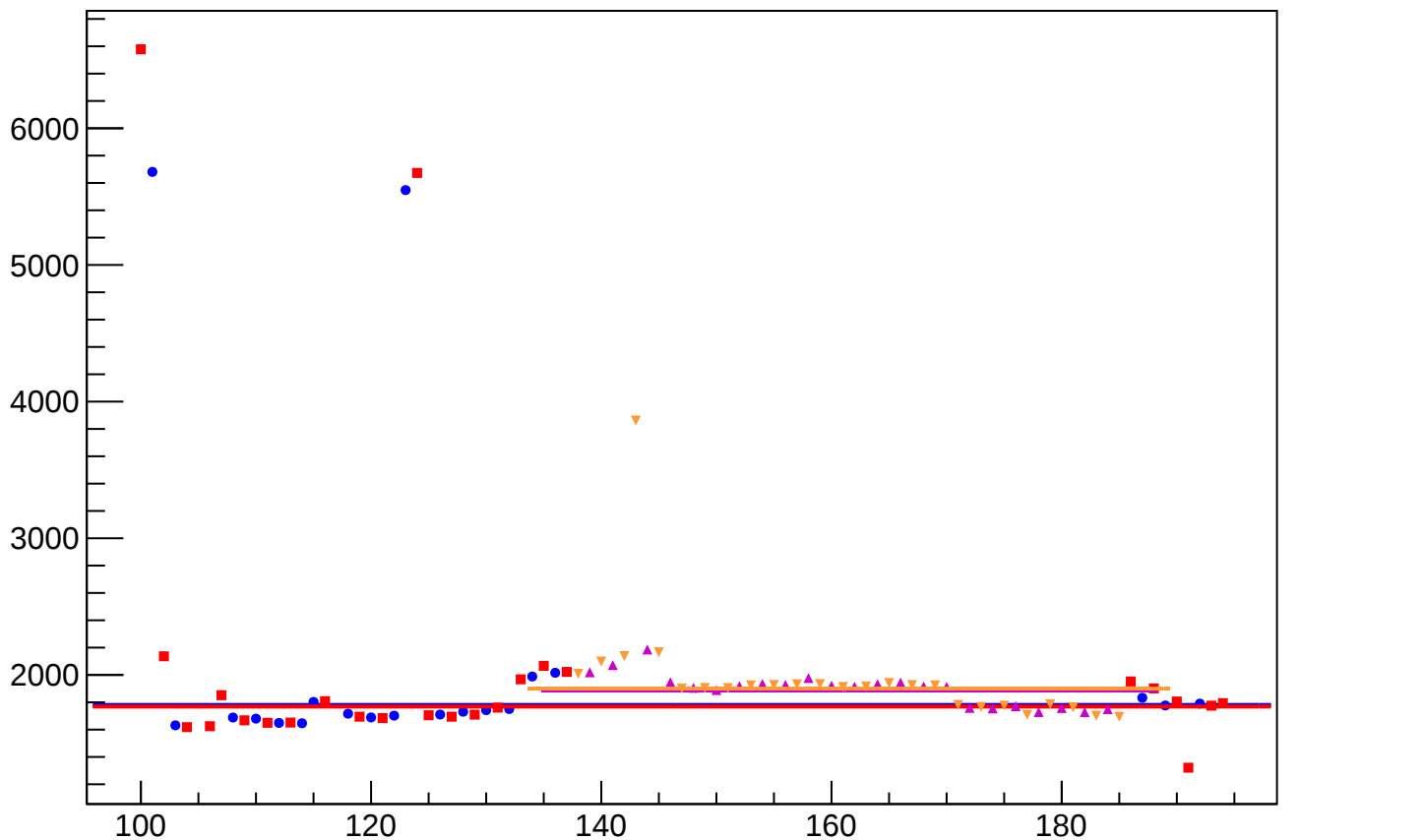
Left In: 191.966 $\pm$ 453.055 χ^2 /NDF: 30.0/22

+ sign 741.857 $\pm$ 366.021 χ^2 /NDF: 64.2/44

All: 338.010 $\pm$ 253.781 χ^2 /NDF: 109.4/92

- sign -35.873 $\pm$ 352.180 χ^2 /NDF: 42.9/47

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1780.510 $\pm$ 0.452 χ^2 /NDF: 643308.7/19

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1768.516 $\pm$ 0.394 χ^2 /NDF: 364696.3/24

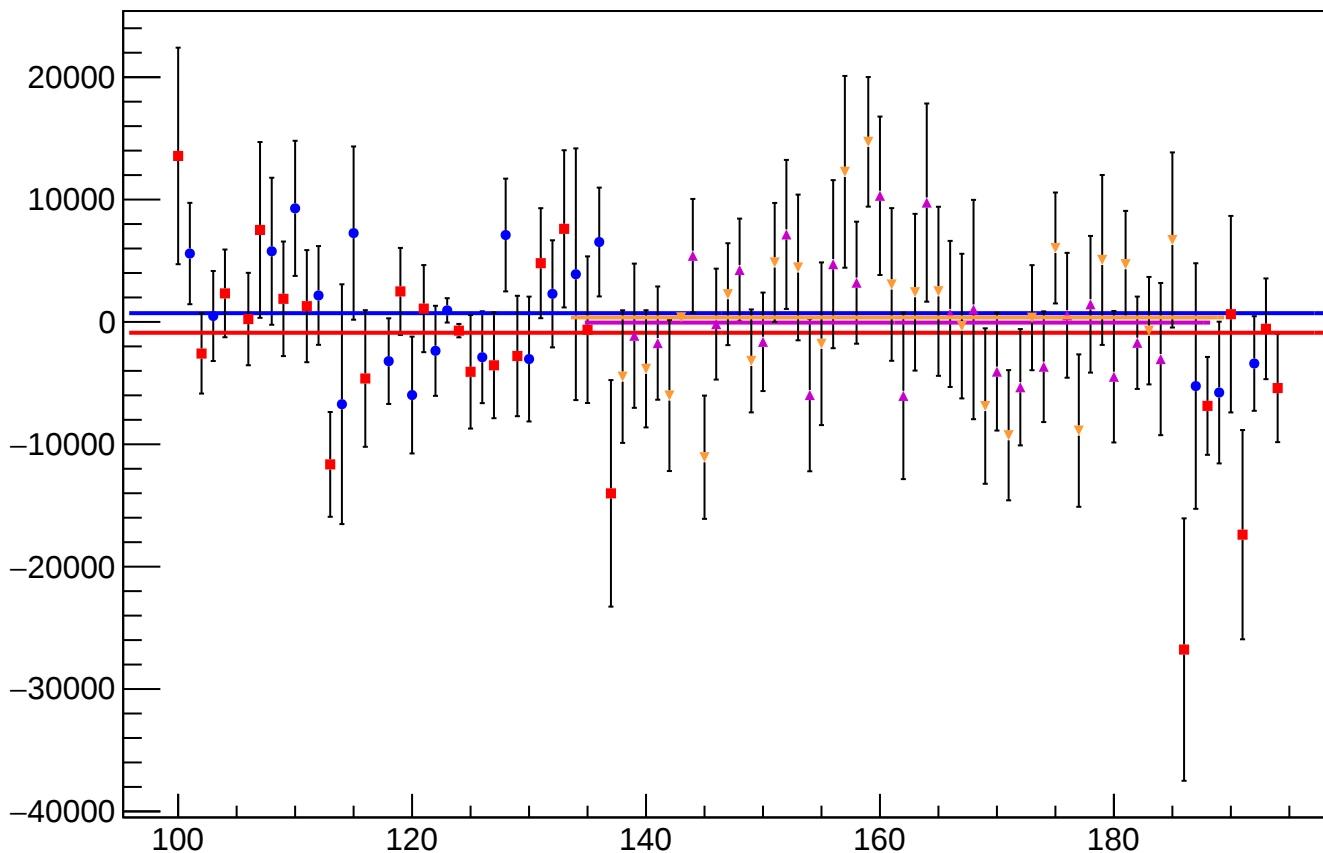
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1861.096 $\pm$ 0.259 χ^2 /NDF: 1228358.8/44

All: 1849.850 $\pm$ 0.179 χ^2 /NDF: 1774068.1/92

- sign 1839.476 $\pm$ 0.249 χ^2 /NDF: 542079.6/47

asym_atr1l2_dd_correction_mean vs Slug



Right In: 716.242 ± 731.503 χ^2/NDF : 18.1/19

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -885.175 ± 476.461 χ^2/NDF : 33.1/24

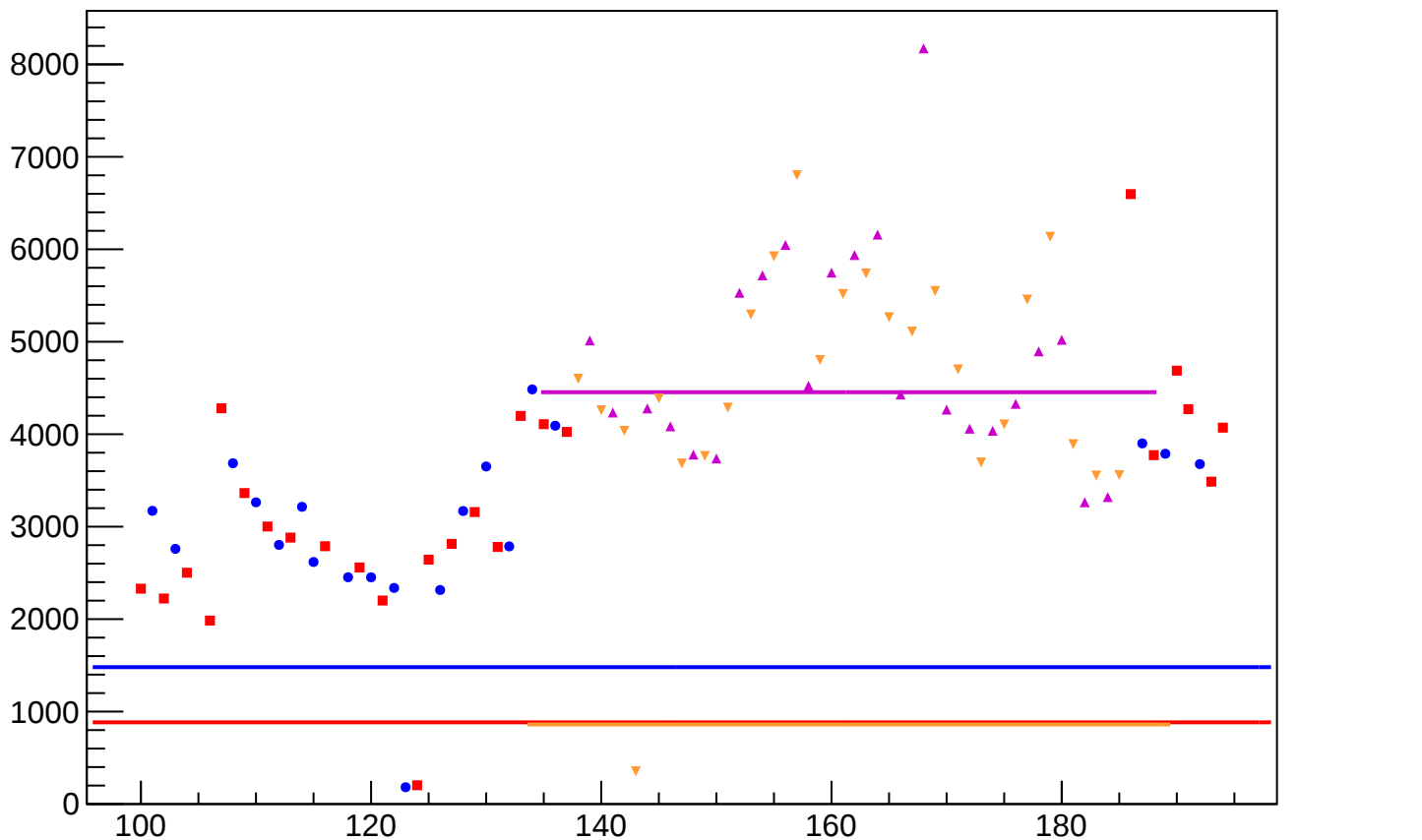
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 446.787 ± 338.659 χ^2/NDF : 49.1/44

All: -3.458 ± 267.586 χ^2/NDF : 101.9/92

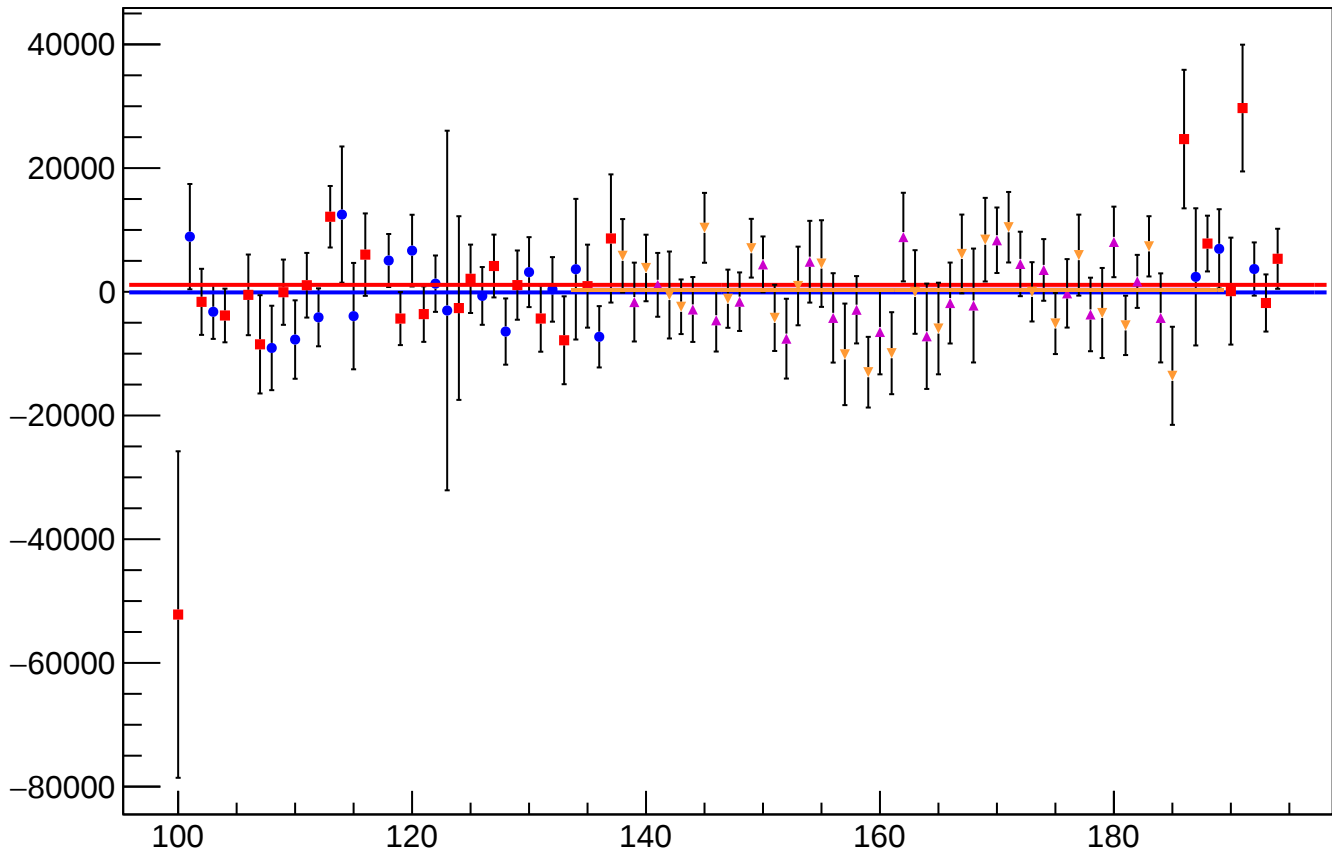
- sign -751.669 ± 436.567 χ^2/NDF : 48.1/47

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1480.599+/-0.517	χ^2/NDF : 7980533.6/19	+ sign 993.445+/-0.239	χ^2/NDF : 35449638.4/44
Left Out: 860.545+/-0.270	χ^2/NDF : 26340106.5/24	All: 1167.531+/-0.189	χ^2/NDF : 70123247.2/5
Right Out: 883.948+/-0.337	χ^2/NDF : 13896909.4/24	- sign 1456.825+/-0.309	χ^2/NDF : 33266895.8/47
Left In: 4454.402+/-0.771	χ^2/NDF : 1349758.1/22		

asym_atr1l2_dd_mean vs Slug



Right In: -97.331 ± 1294.596 χ^2/NDF : 16.0/19

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 1123.199 ± 1168.959 χ^2/NDF : 34.6/24

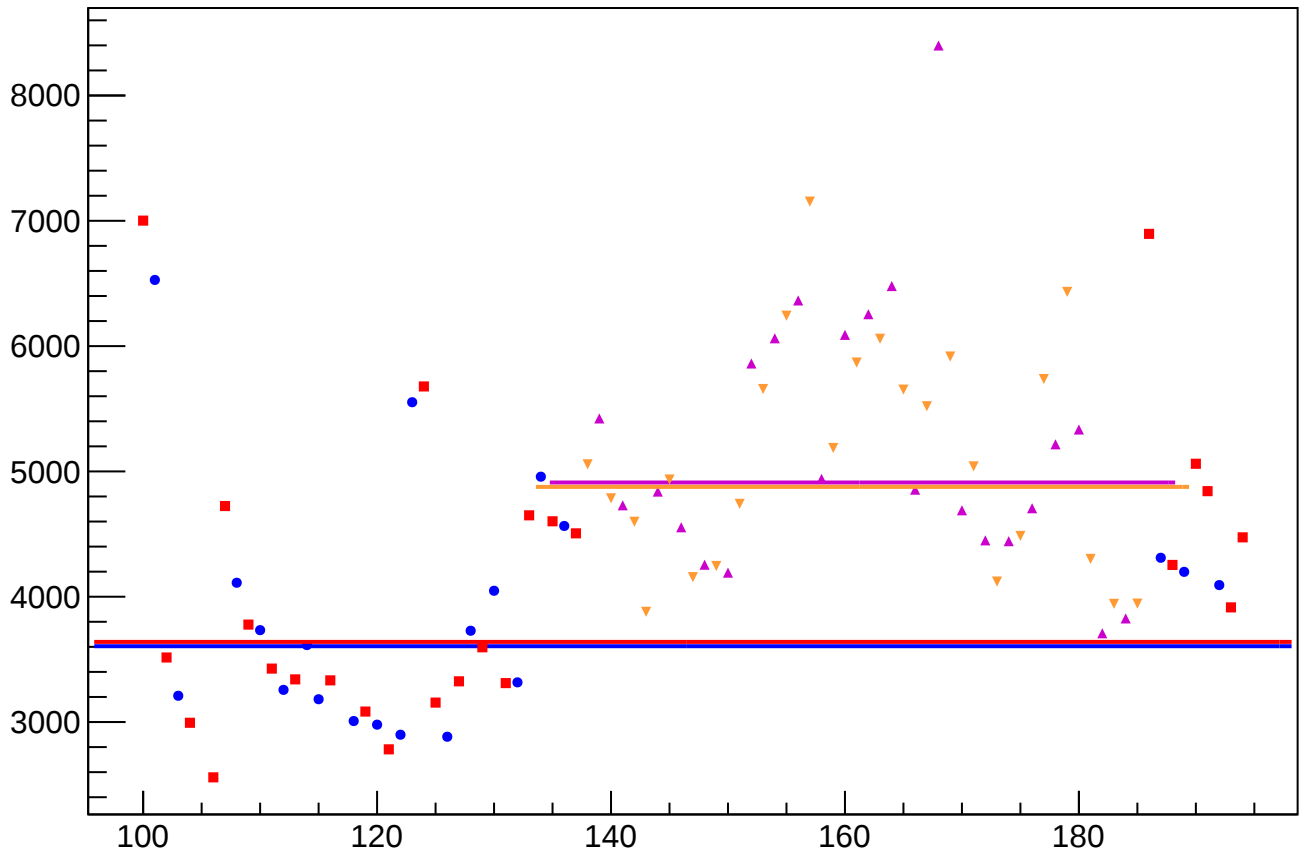
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign 117.436 ± 862.026 χ^2/NDF : 48.4/44

All: 436.661 ± 600.124 χ^2/NDF : 98.1/92

- sign 736.887 ± 835.979 χ^2/NDF : 49.5/47

asym_atr1l2_dd_rms vs Slug



Right In: 3604.973+/-0.915 χ^2/NDF : 620276.0/19

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3639.491+/-0.818 χ^2/NDF : 845601.0/24

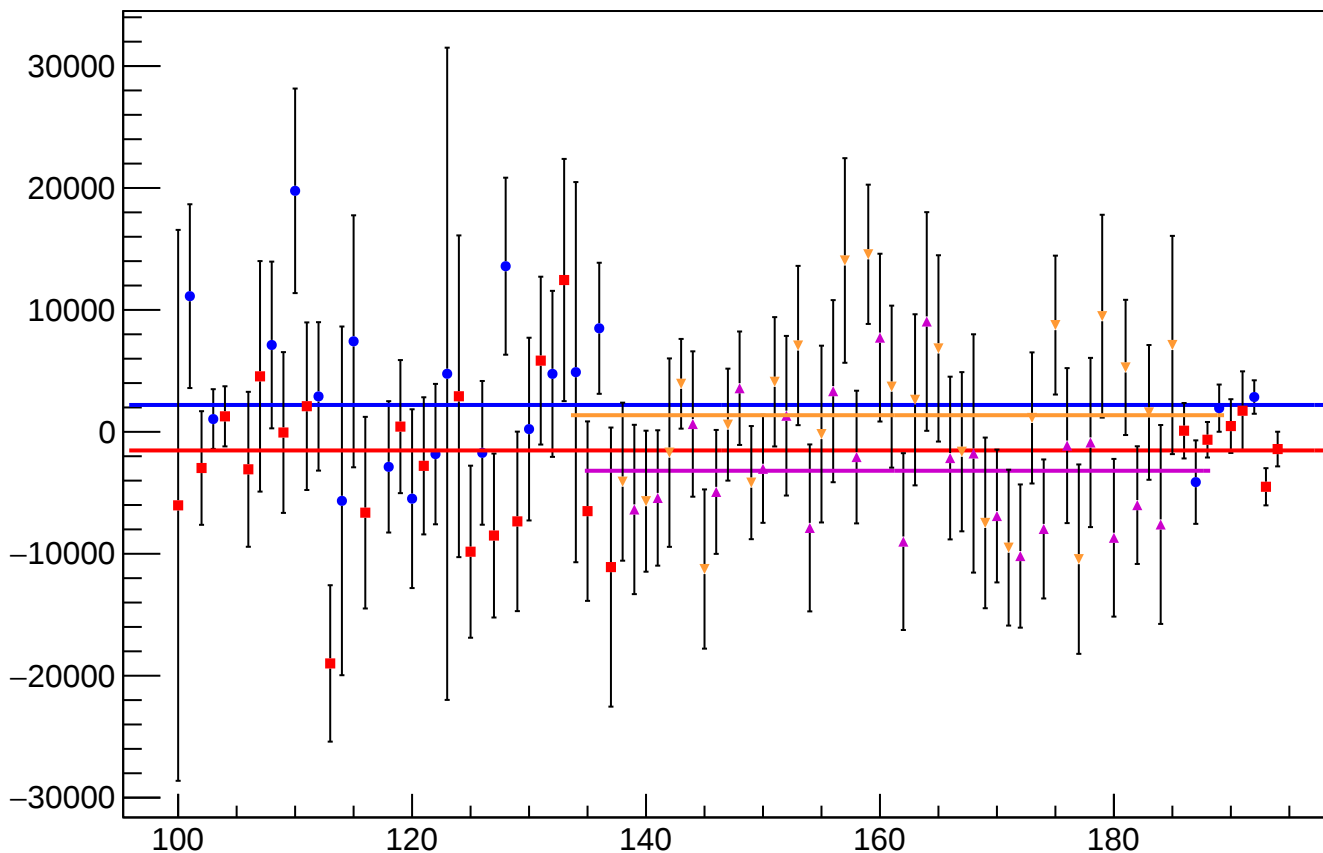
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4312.767+/-0.610 χ^2/NDF : 2666845.0/44

All: 4282.616+/-0.423 χ^2/NDF : 5728830.1/92

- sign 4254.553+/-0.588 χ^2/NDF : 3057260.9/47

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2205.007 $\pm$ 859.110 χ^2 /NDF: 17.8/19

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -1525.517 $\pm$ 643.674 χ^2 /NDF: 24.3/24

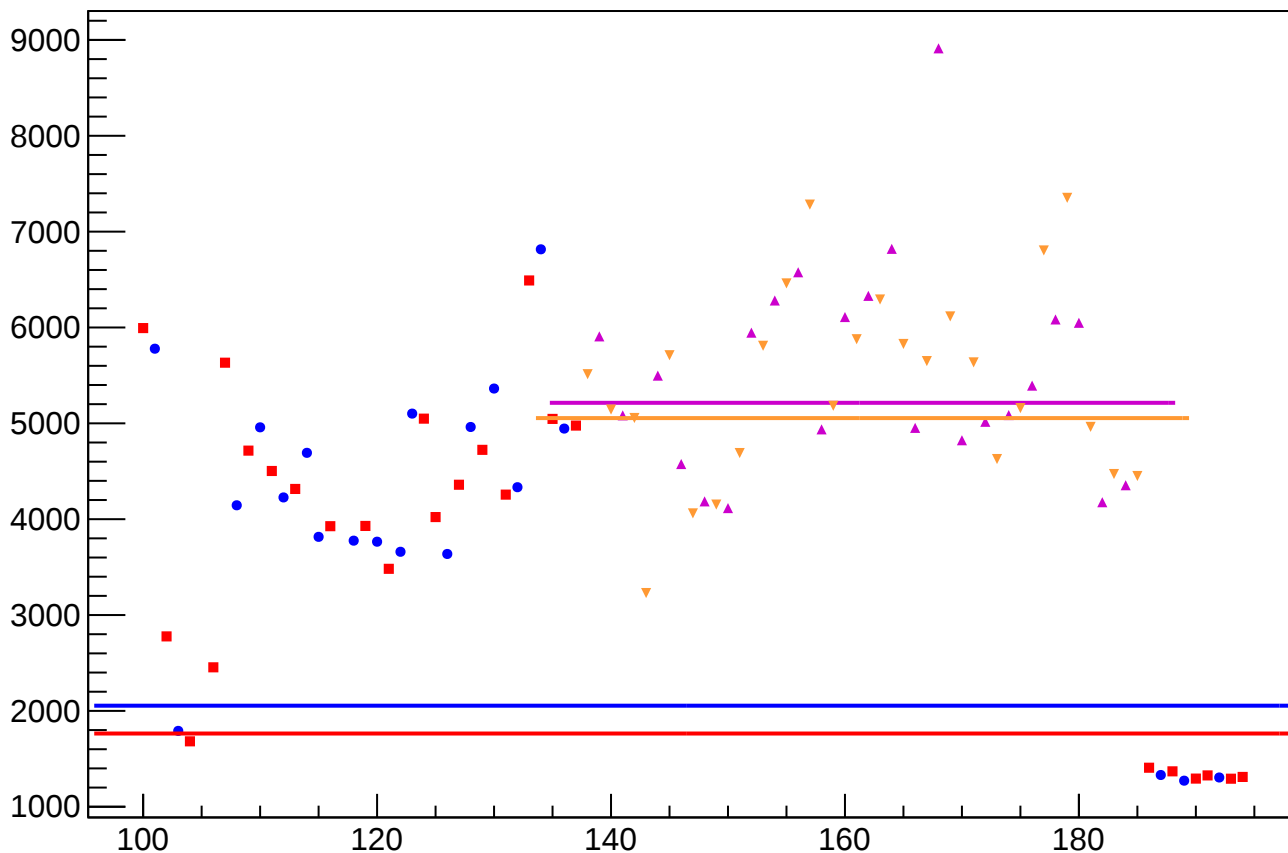
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 1922.344 $\pm$ 699.774 χ^2 /NDF: 46.0/44

All: -341.780 $\pm$ 443.865 χ^2 /NDF: 103.2/92

- sign -1865.927 $\pm$ 574.145 χ^2 /NDF: 39.6/47

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 2054.290+/-0.607 χ^2/NDF : 4670423.7/19

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 1763.912+/-0.454 χ^2/NDF : 5161608.9/24

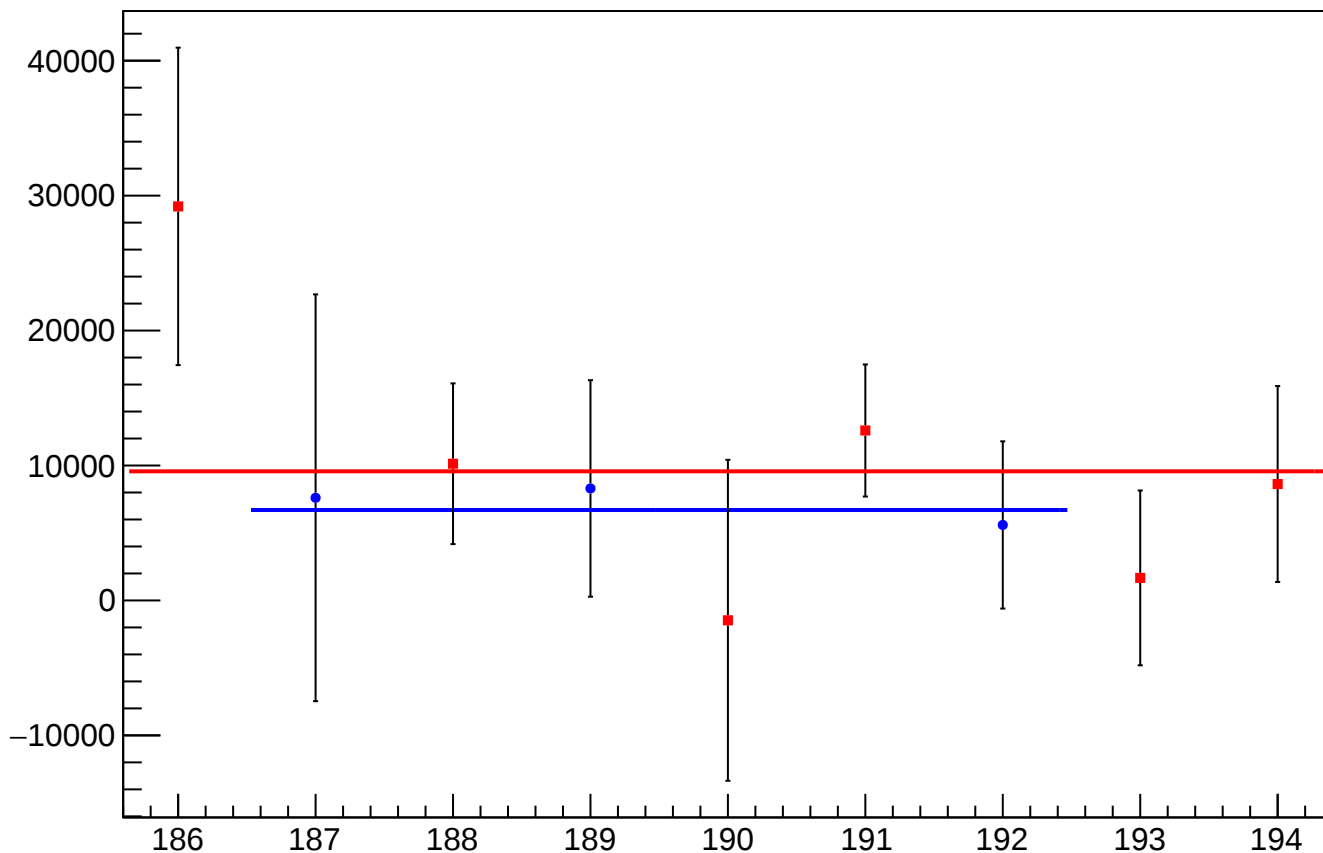
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 3064.022+/-0.495 χ^2/NDF : 14317368.6/44

All: 2706.618+/-0.314 χ^2/NDF : 33156719.6/9

- sign 2466.788+/-0.405 χ^2/NDF : 17967538.4/47

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 6701.763+/-4663.654 χ^2/NDF : 0.1/2

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

Right Out: 9569.109+/-2805.502 χ^2/NDF : 5.5/5

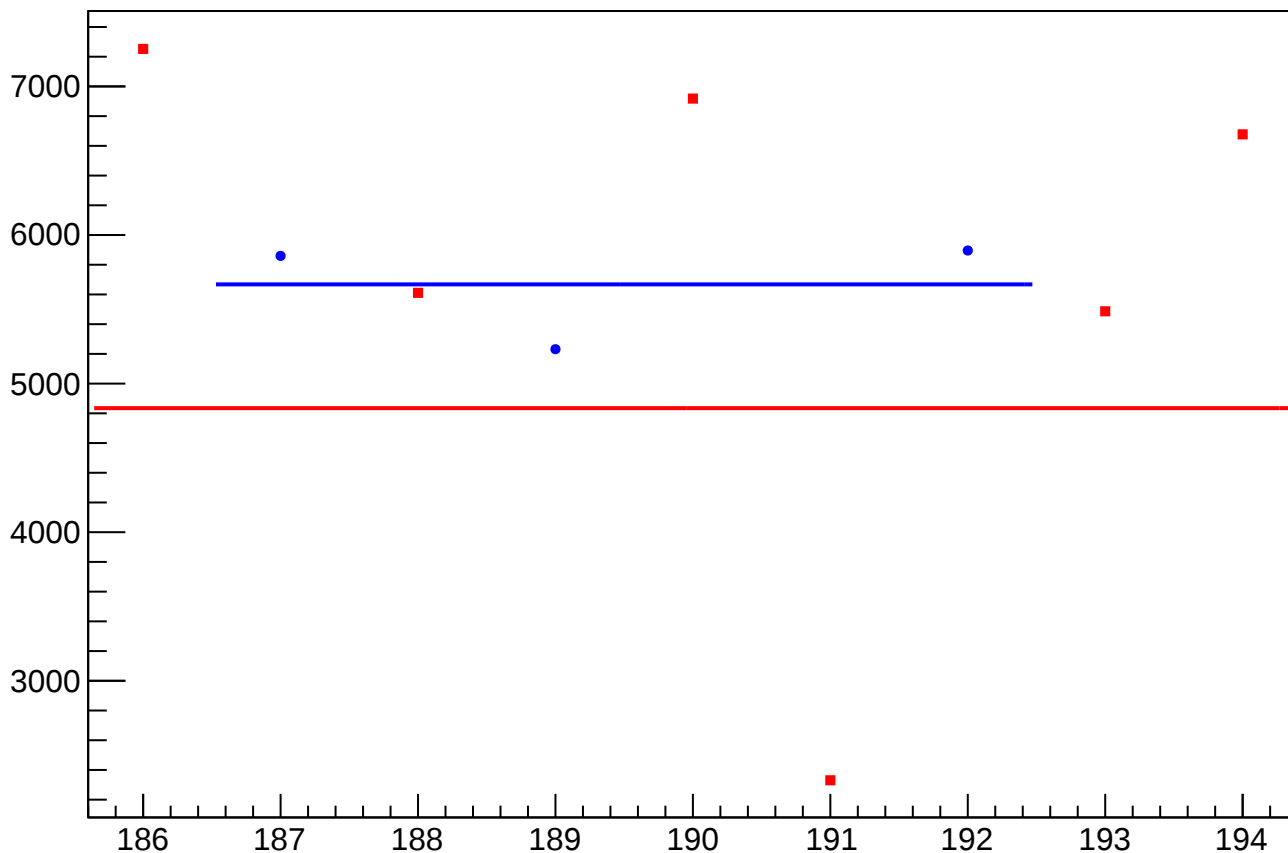
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 8807.190+/-2404.034 χ^2/NDF : 5.9/8

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5667.780+/-3.298 χ^2/NDF : 8941.3/2

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

Right Out: 4834.934+/-1.984 χ^2/NDF : 852634.7/5

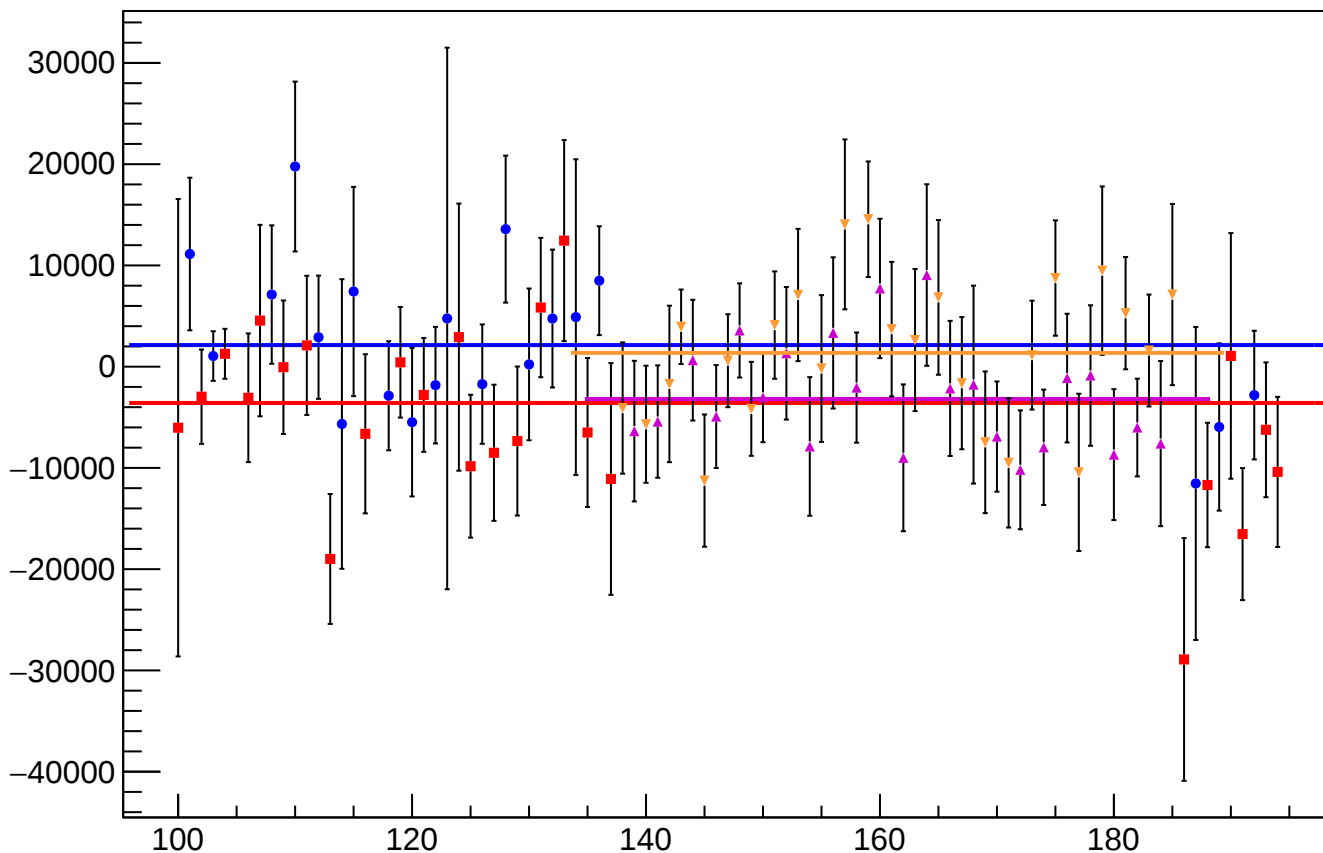
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 5056.240+/-1.700 χ^2/NDF : 908410.5/8

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2133.008+/-1392.989 χ^2/NDF : 16.5/19

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -3583.333+/-1263.239 χ^2/NDF : 30.3/24

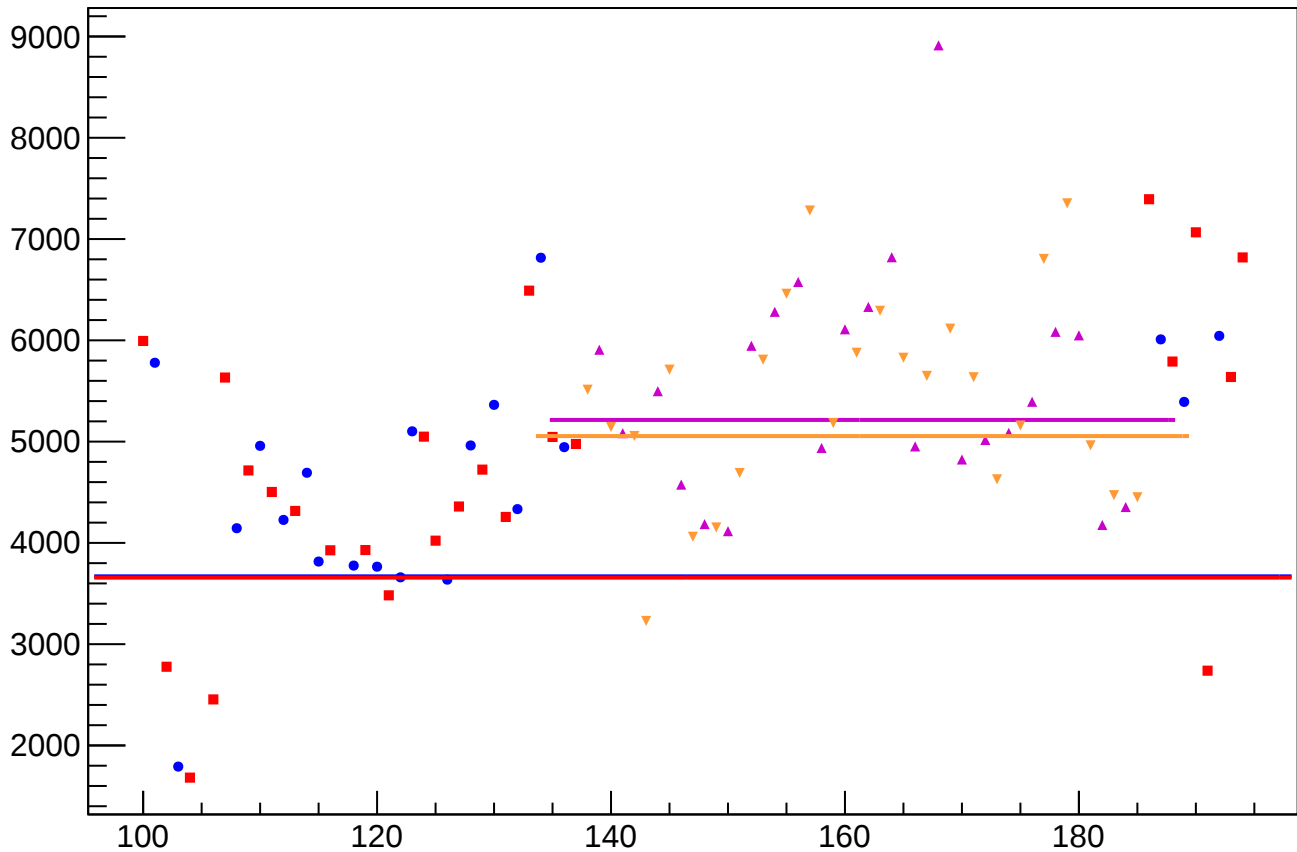
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 1694.163+/-911.884 χ^2/NDF : 44.6/44

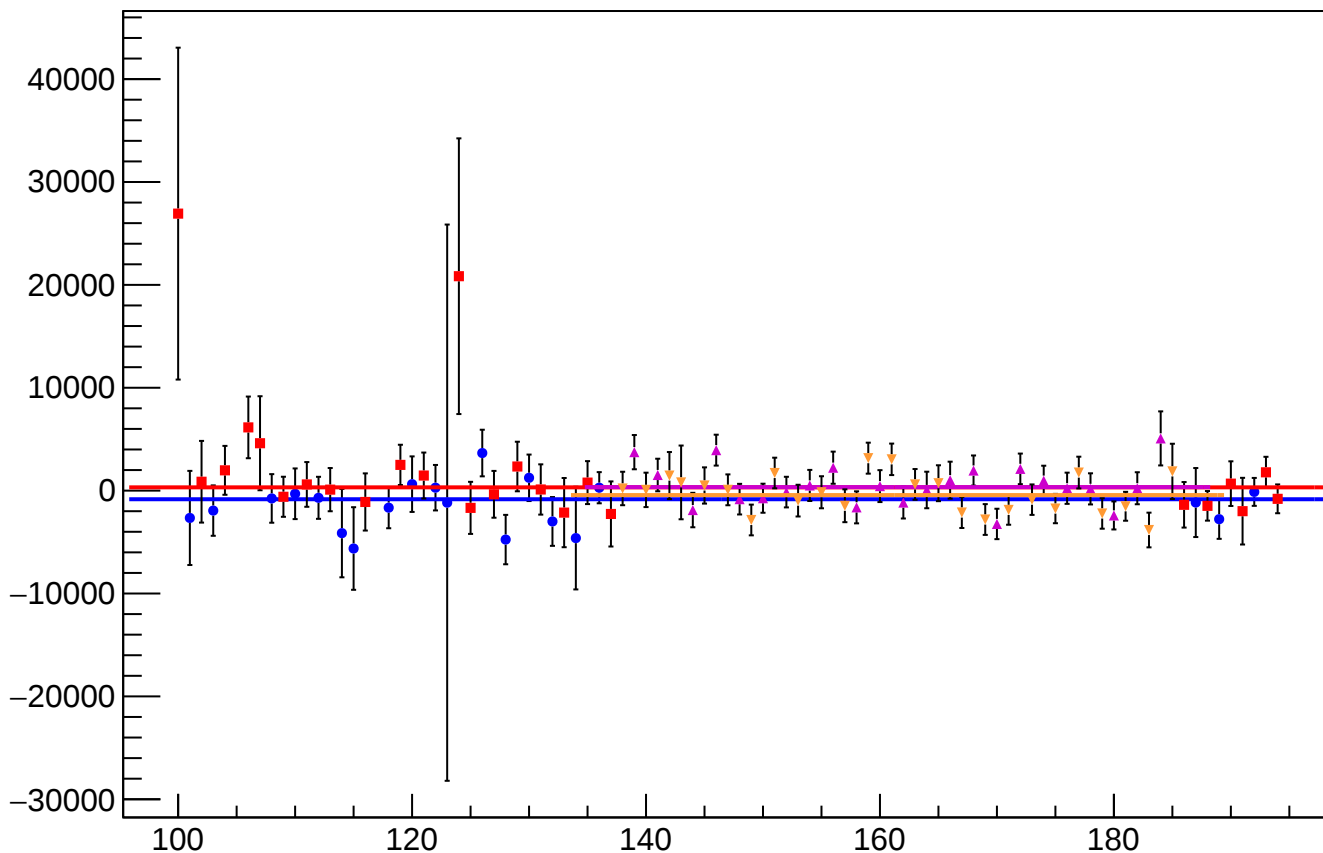
All: -892.758+/-638.976 χ^2/NDF : 104.8/92

- sign -3388.296+/-895.633 χ^2/NDF : 44.3/47

asym_atl_avg_atr_avg_avg_rms vs Slug



reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -836.908 $\pm$ 524.741 χ^2 /NDF: 13.9/19

Left Out: -431.715 $\pm$ 320.540 χ^2 /NDF:33.1/24

Right Out: 319.004 $\pm$ 458.642 χ^2 /NDF: 19.2/24

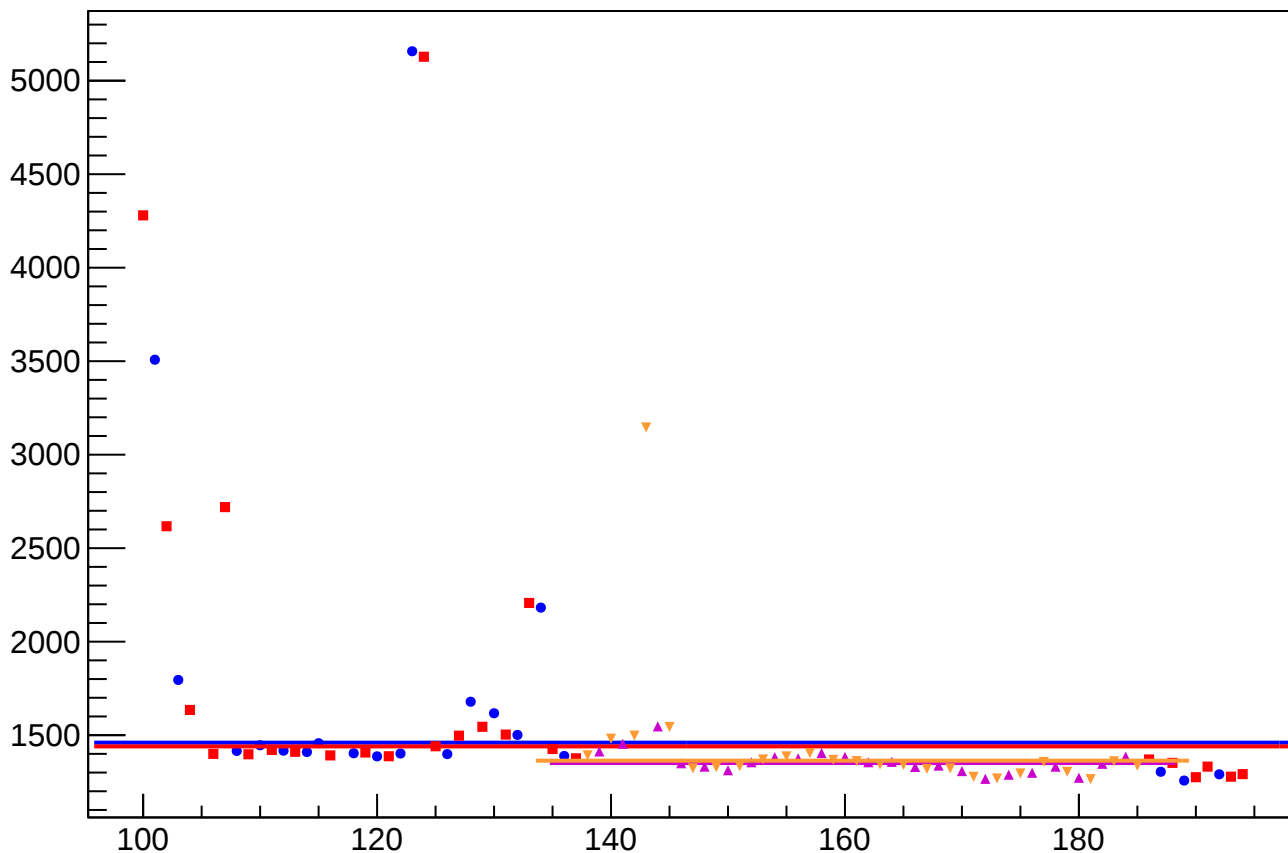
Left In: 343.737 $\pm$ 324.368 χ^2 /NDF:33.8/22

+ sign -541.823 $\pm$ 273.542 χ^2 /NDF: 47.4/44

All: -88.972 $\pm$ 190.268 χ^2 /NDF: 105.6/92

- sign 335.491 $\pm$ 264.829 χ^2 /NDF: 53.0/47

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1460.057+/-0.371 χ^2 /NDF: 614658.8/19

Left Out: 1363.561+/-0.227 χ^2 /NDF: 575226.6/24

Right Out: 1439.825+/-0.324 χ^2 /NDF: 743971.7/24

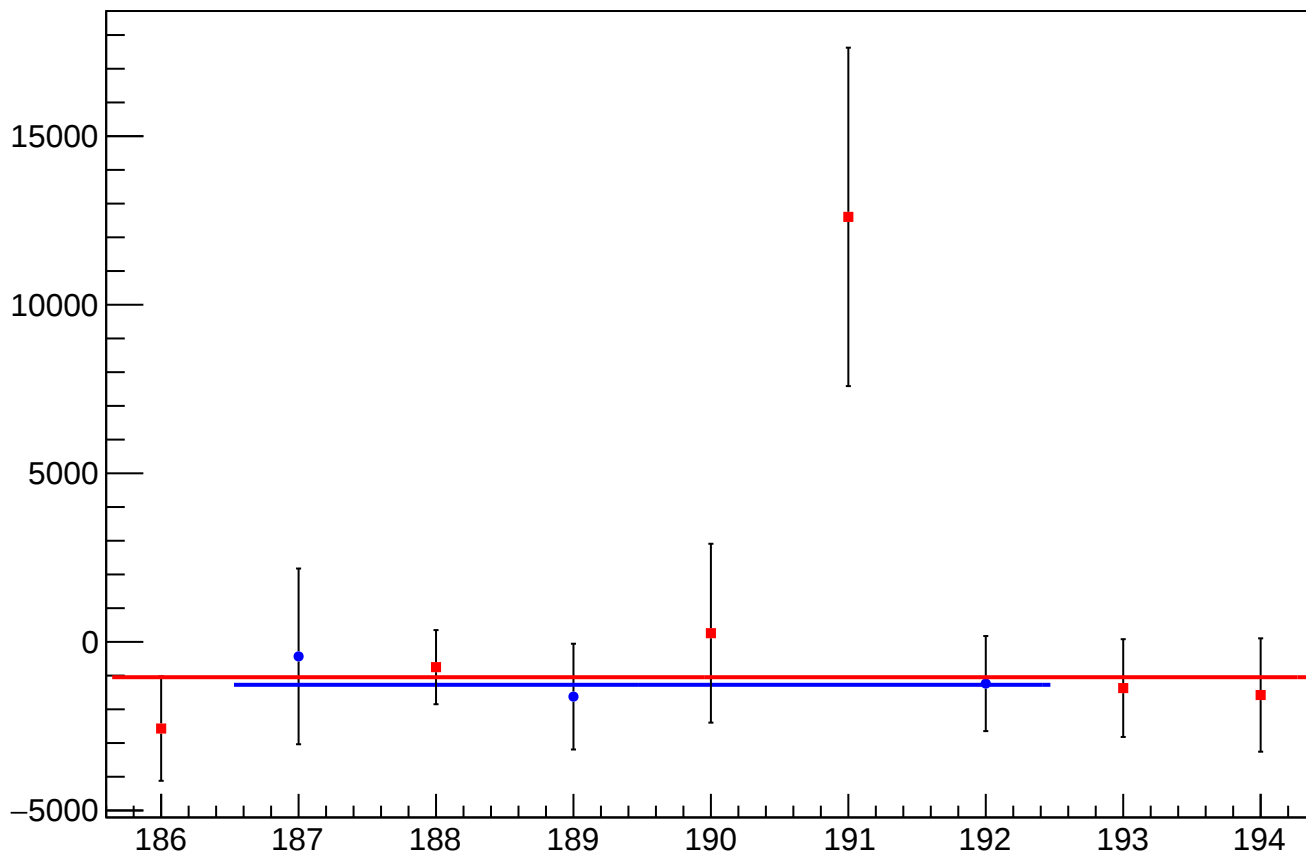
Left In: 1350.909+/-0.229 χ^2 /NDF: 67144.5/22

+ sign 1389.783+/-0.193 χ^2 /NDF: 1239139.6/44

All: 1385.020+/-0.135 χ^2 /NDF: 2101538.0/92

- sign 1380.555+/-0.187 χ^2 /NDF: 861223.4/47

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -1272.879 ± 972.777 χ^2/NDF : 0.2/2

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Right Out: -1047.487 ± 665.999 χ^2/NDF : 8.8/5

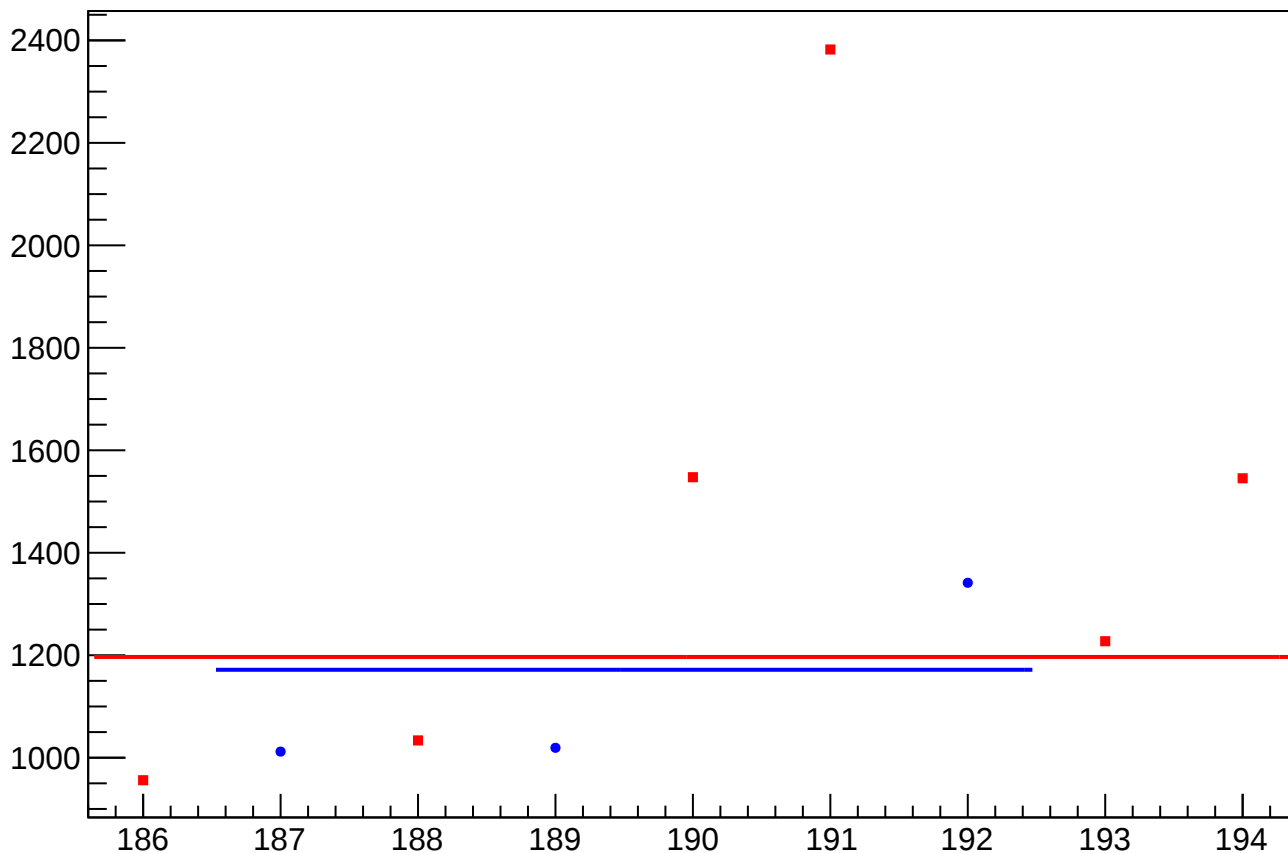
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -1119.419 ± 549.545 χ^2/NDF : 9.0/8

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1171.639 $\pm$ 0.688 χ^2 /NDF: 55356.9/2

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1196.665 $\pm$ 0.471 χ^2 /NDF: 325606.2/5

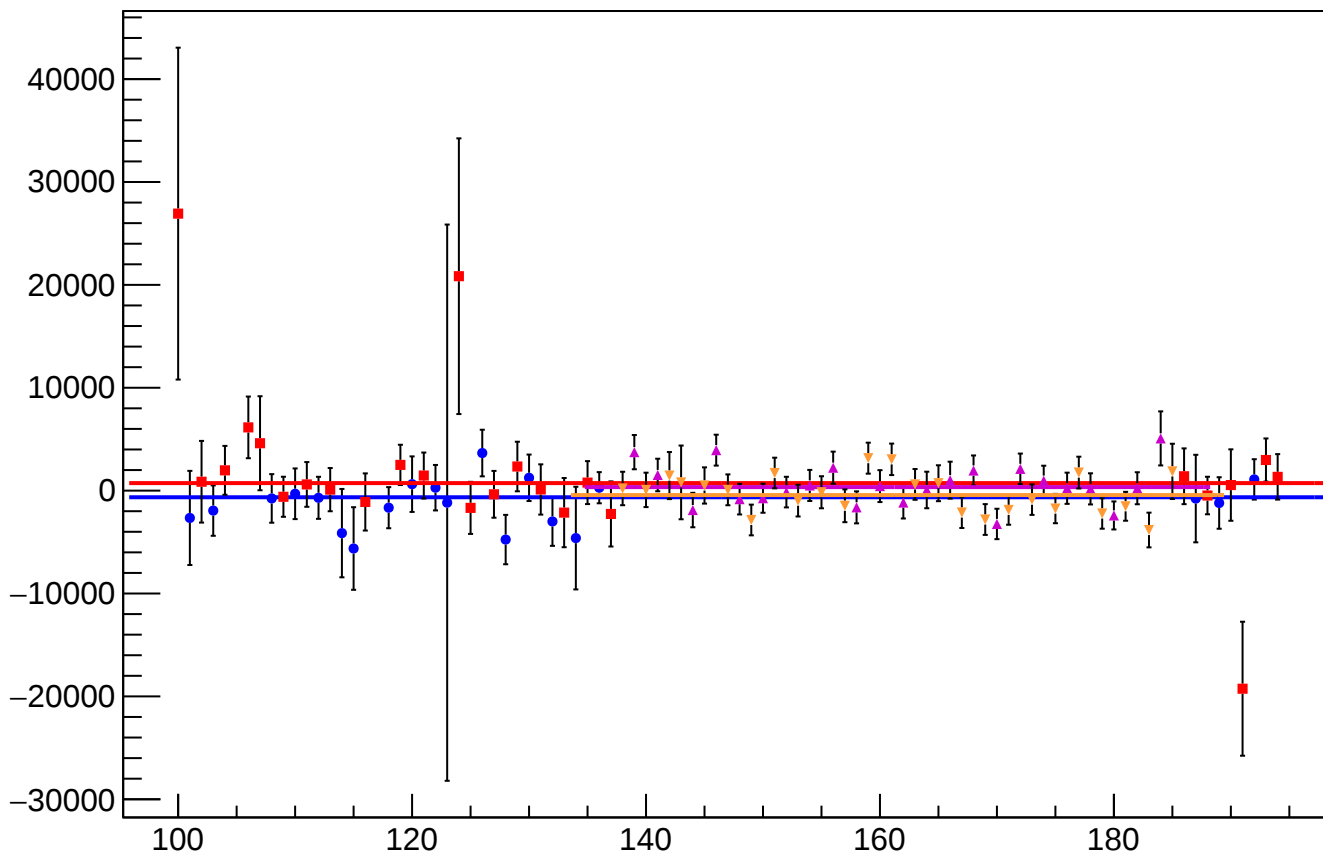
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1188.678 $\pm$ 0.389 χ^2 /NDF: 381864.3/8

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -644.335+/-558.904 χ^2/NDF : 13.4/19

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 732.574+/-514.037 χ^2/NDF : 25.5/24

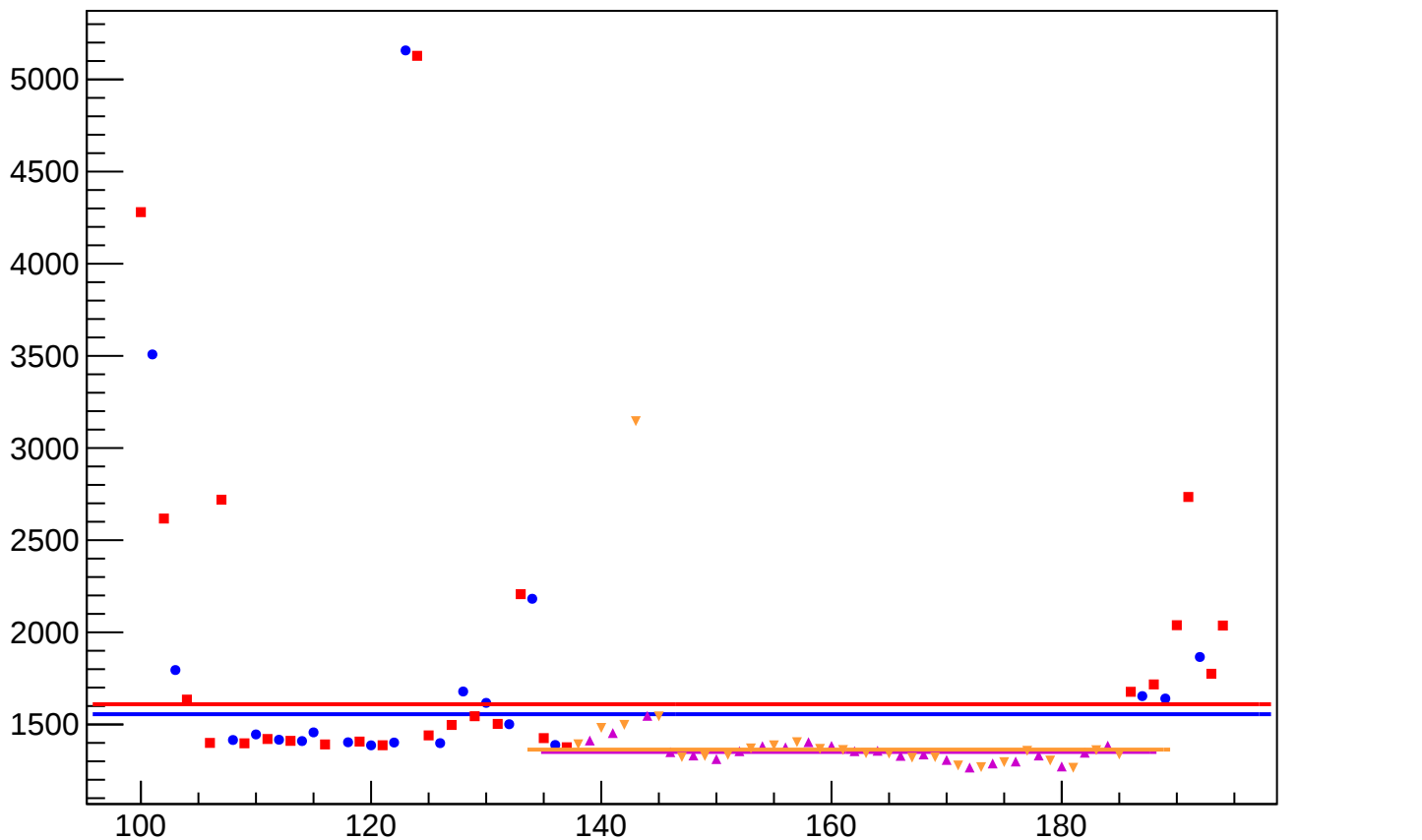
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -484.340+/-278.056 χ^2/NDF : 46.6/44

All: -8.582+/-195.281 χ^2/NDF : 112.0/92

- sign 454.473+/-274.319 χ^2/NDF : 59.7/47

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1555.717 $\pm$ 0.395 χ^2 /NDF: 598426.4/19

Left Out: 1363.561 $\pm$ 0.227 χ^2 /NDF: 575226.6/24

Right Out: 1609.836 $\pm$ 0.363 χ^2 /NDF: 853825.5/24

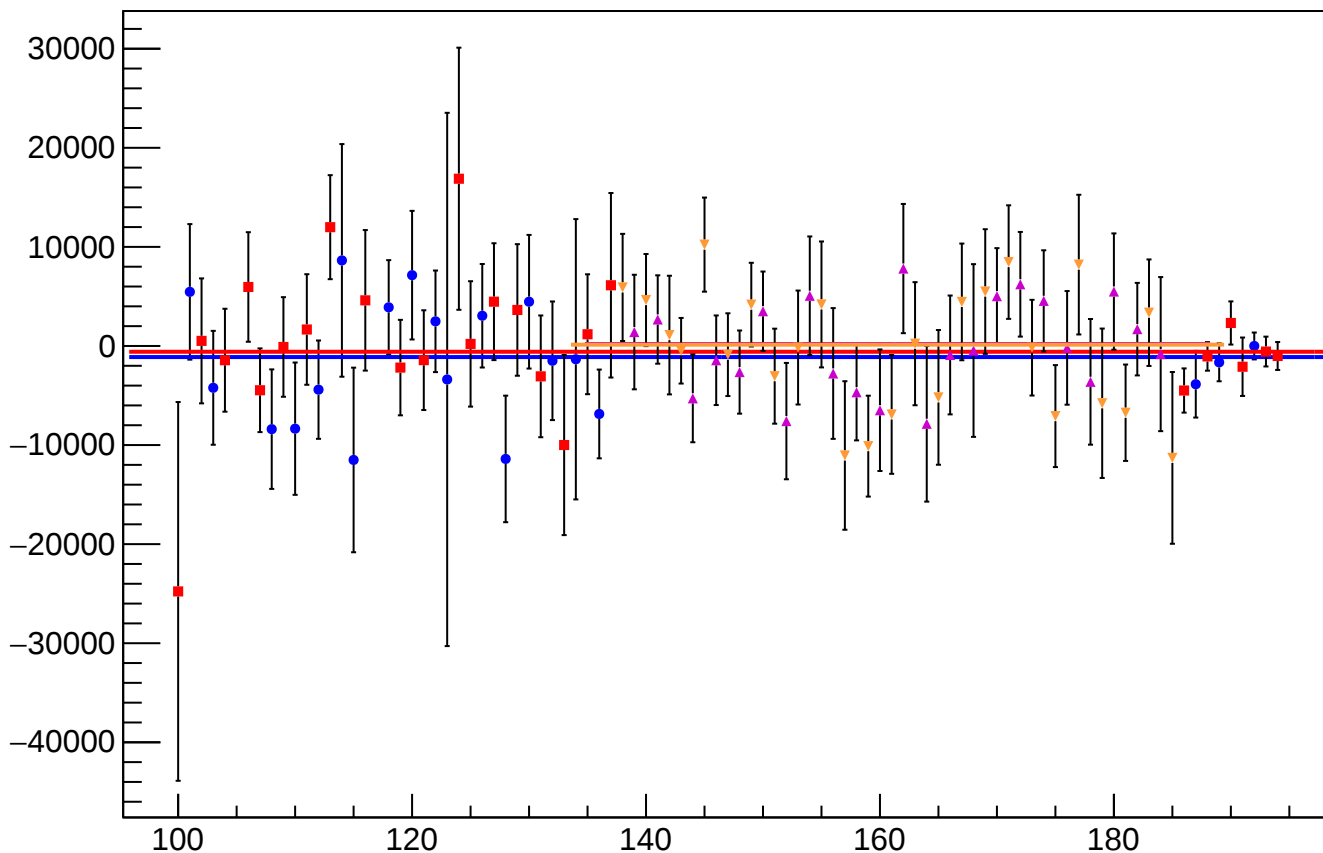
Left In: 1350.909 $\pm$ 0.229 χ^2 /NDF: 67144.5/22

+ sign 1411.122 $\pm$ 0.197 χ^2 /NDF: 1351549.7/44

All: 1417.977 $\pm$ 0.138 χ^2 /NDF: 2637858.6/92

- sign 1424.649 $\pm$ 0.194 χ^2 /NDF: 1283910.1/47

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1119.794 ± 864.210 χ^2/NDF : 16.4/19

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -583.533 ± 635.116 χ^2/NDF : 20.5/24

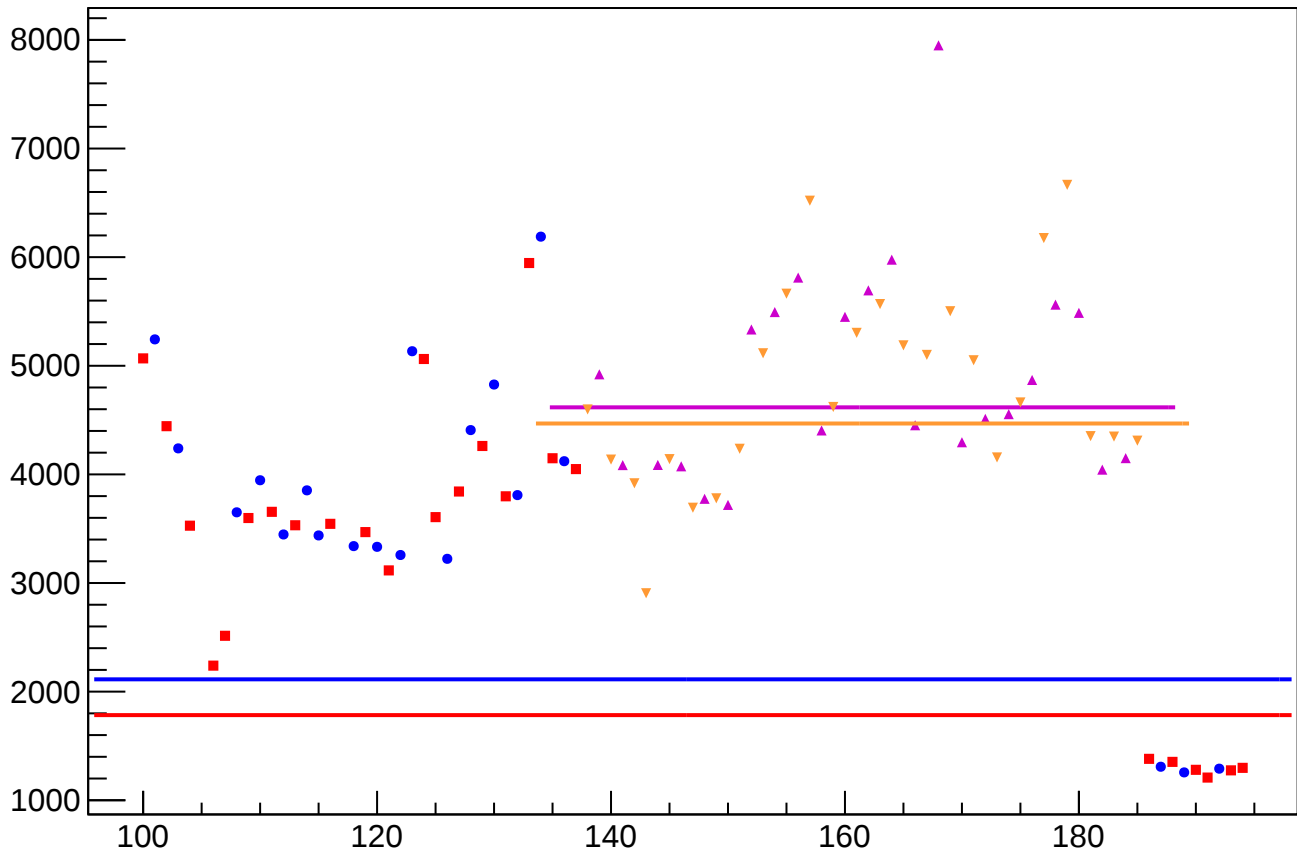
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -623.035 ± 671.201 χ^2/NDF : 45.4/44

All: -486.429 ± 426.749 χ^2/NDF : 81.1/92

- sign -393.737 ± 552.888 χ^2/NDF : 35.6/47

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 2113.190+/-0.611 χ^2/NDF : 4182374.4/19

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 1783.787+/-0.448 χ^2/NDF : 4695867.7/24

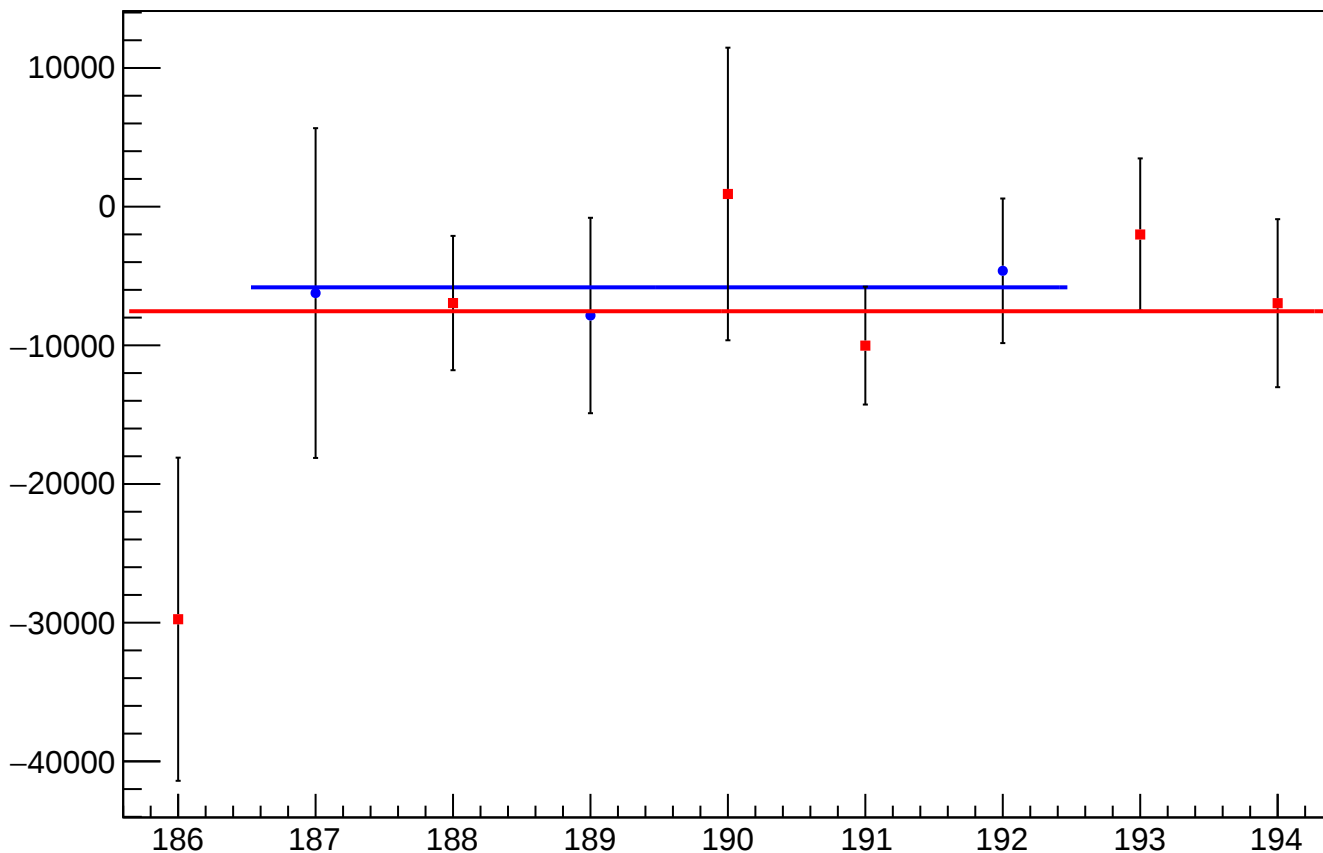
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 3047.757+/-0.475 χ^2/NDF : 11457672.0/44

All: 2701.928+/-0.301 χ^2/NDF : 27692937.9/9

- sign 2467.964+/-0.390 χ^2/NDF : 15345114.8/47

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -5817.301+/-3952.577 χ^2 /NDF: 0.1/2

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

Right Out: -7541.814+/-2391.692 χ^2 /NDF: 5.7/5

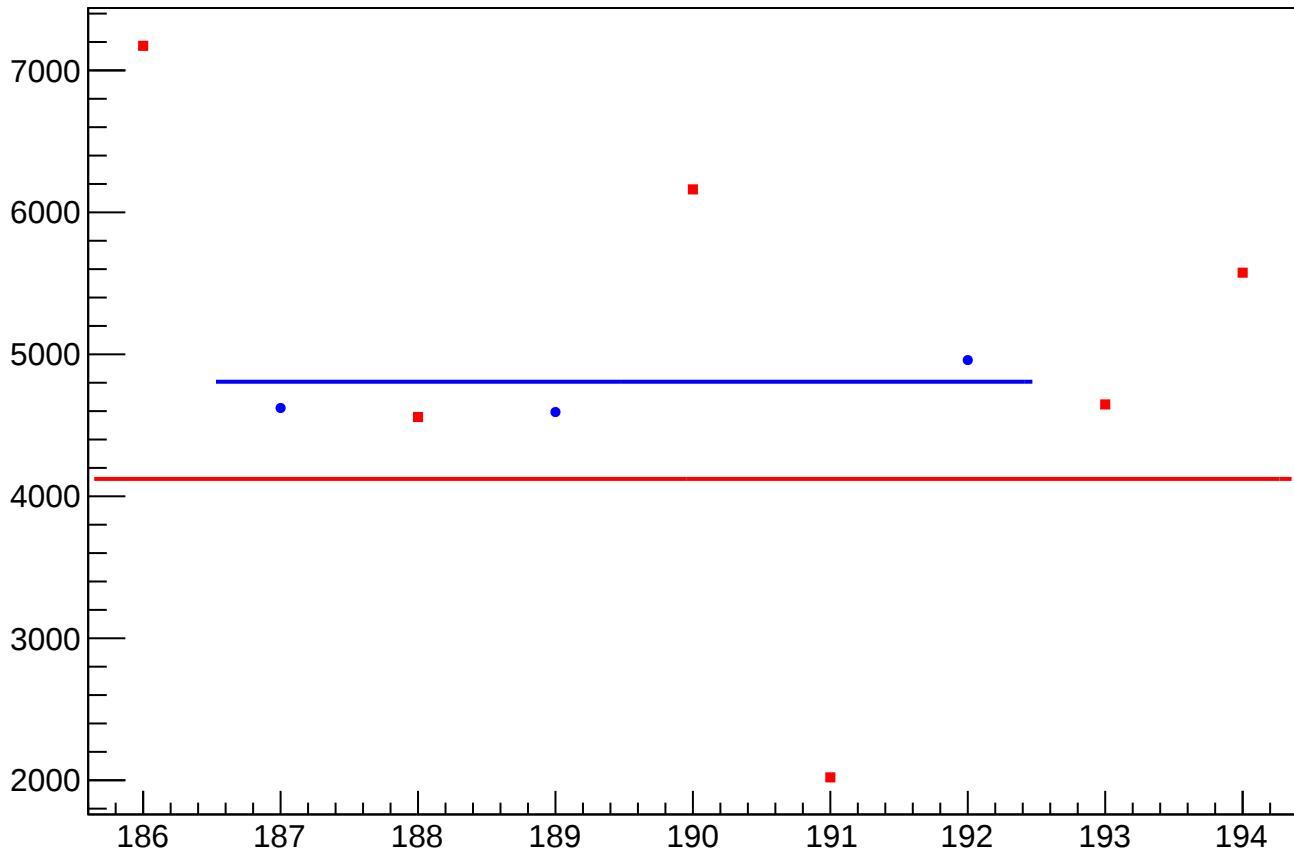
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -7079.624+/-2046.243 χ^2 /NDF: 5.9/8

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 4807.062+/-2.795 χ^2/NDF : 4033.6/2

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

Right Out: 4122.545+/-1.691 χ^2/NDF : 850685.3/5

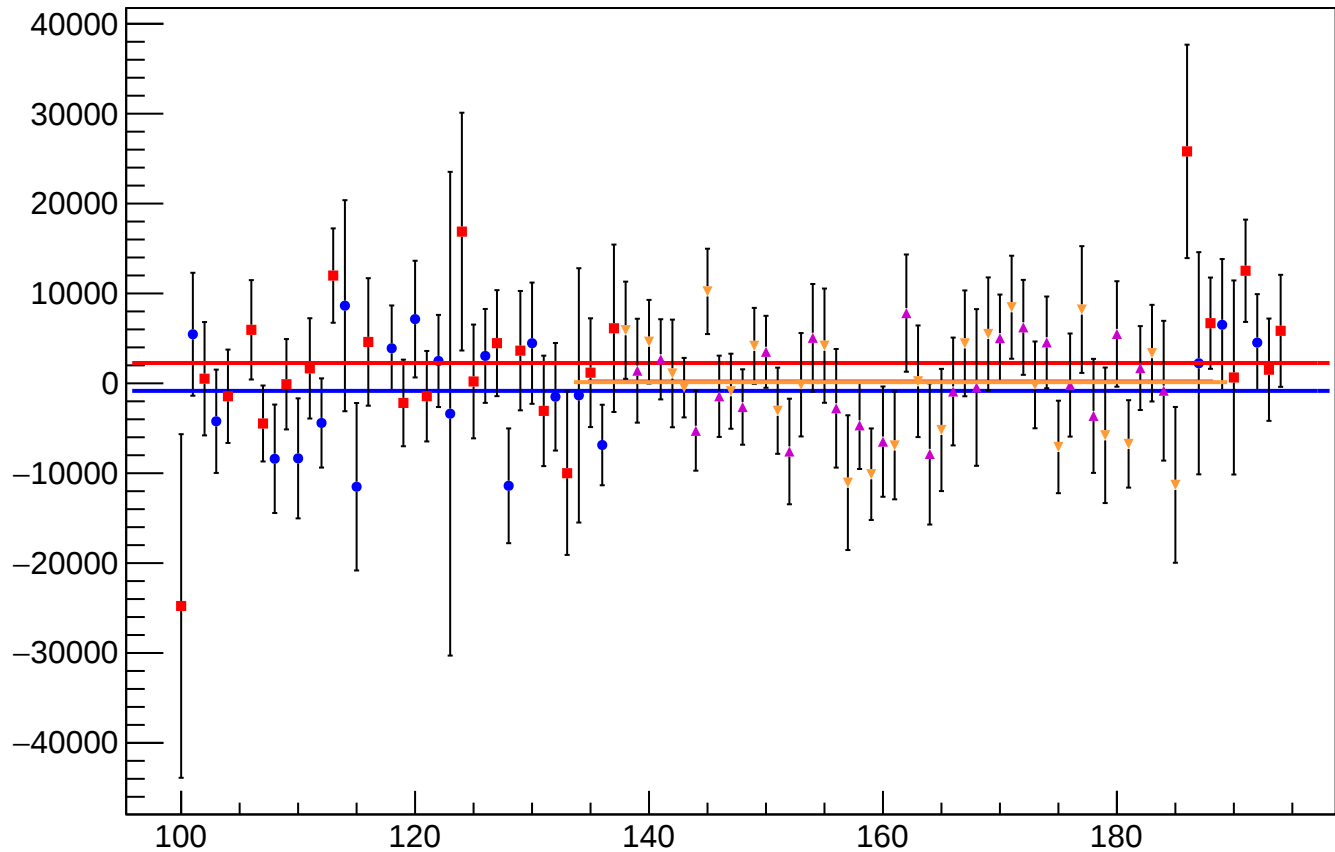
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4306.004+/-1.447 χ^2/NDF : 898626.6/8

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -839.032 ± 1423.114 χ^2/NDF : 17.2/19

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: 2265.080 ± 1225.661 χ^2/NDF : 23.3/24

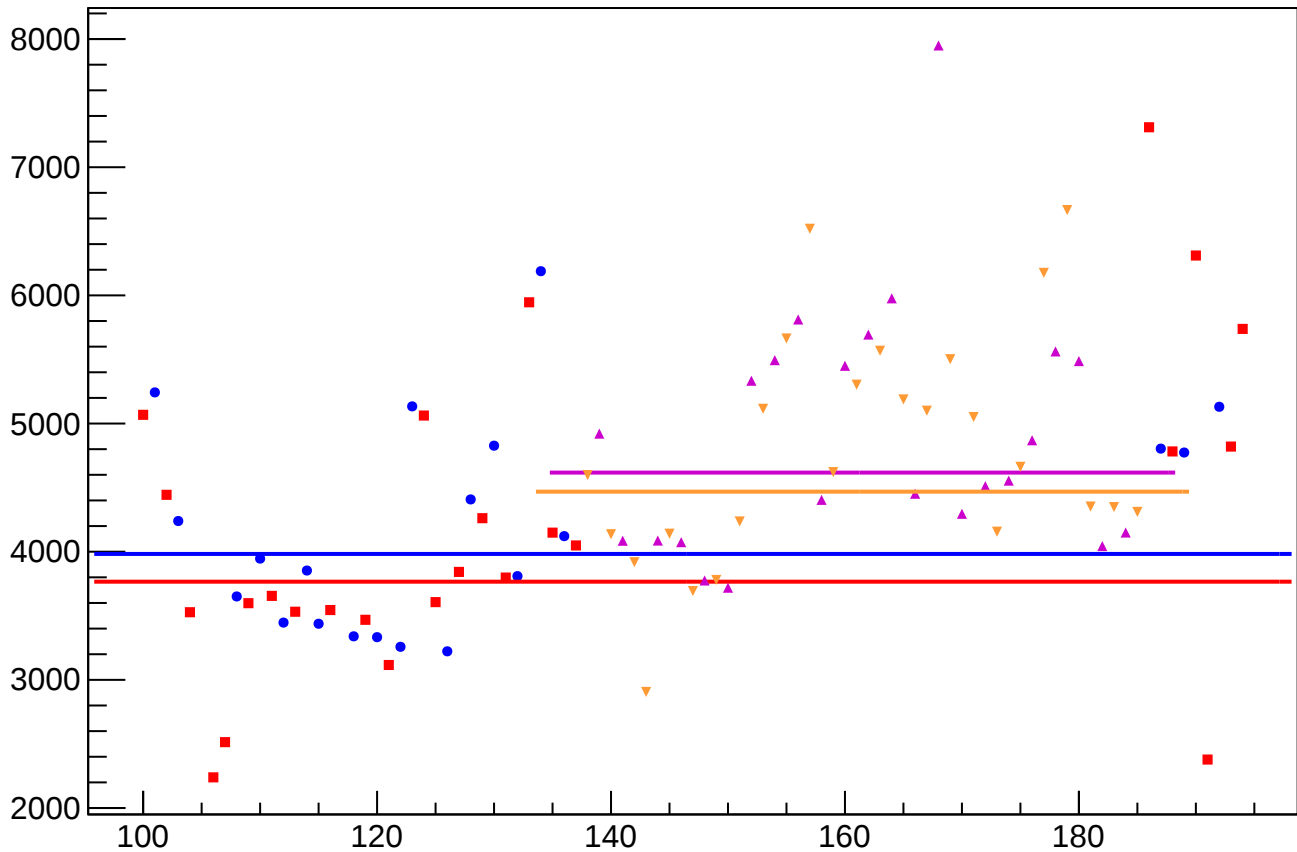
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -216.729 ± 852.950 χ^2/NDF : 45.7/44

All: 483.149 ± 594.183 χ^2/NDF : 86.6/92

- sign 1143.001 ± 828.200 χ^2/NDF : 39.6/47

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3982.560+/-1.006 χ^2/NDF : 466233.5/19

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 3766.079+/-0.860 χ^2/NDF : 1374224.6/24

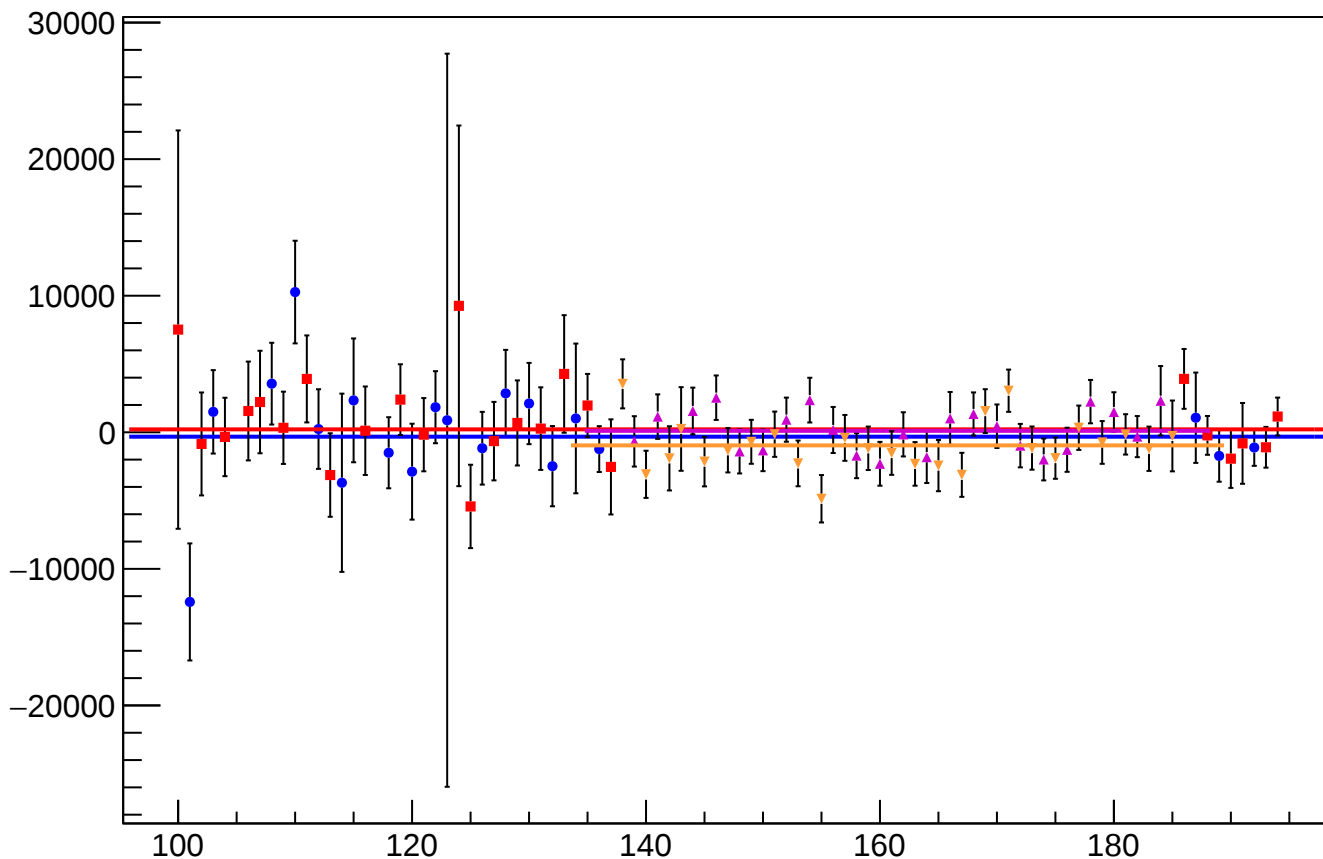
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 4293.945+/-0.603 χ^2/NDF : 1996275.2/44

All: 4258.643+/-0.419 χ^2/NDF : 4905048.6/92

- sign 4225.579+/-0.584 χ^2/NDF : 2902138.6/47

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -322.000+/-609.730 χ^2/NDF : 23.7/19

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 214.828+/-509.646 χ^2/NDF : 15.4/24

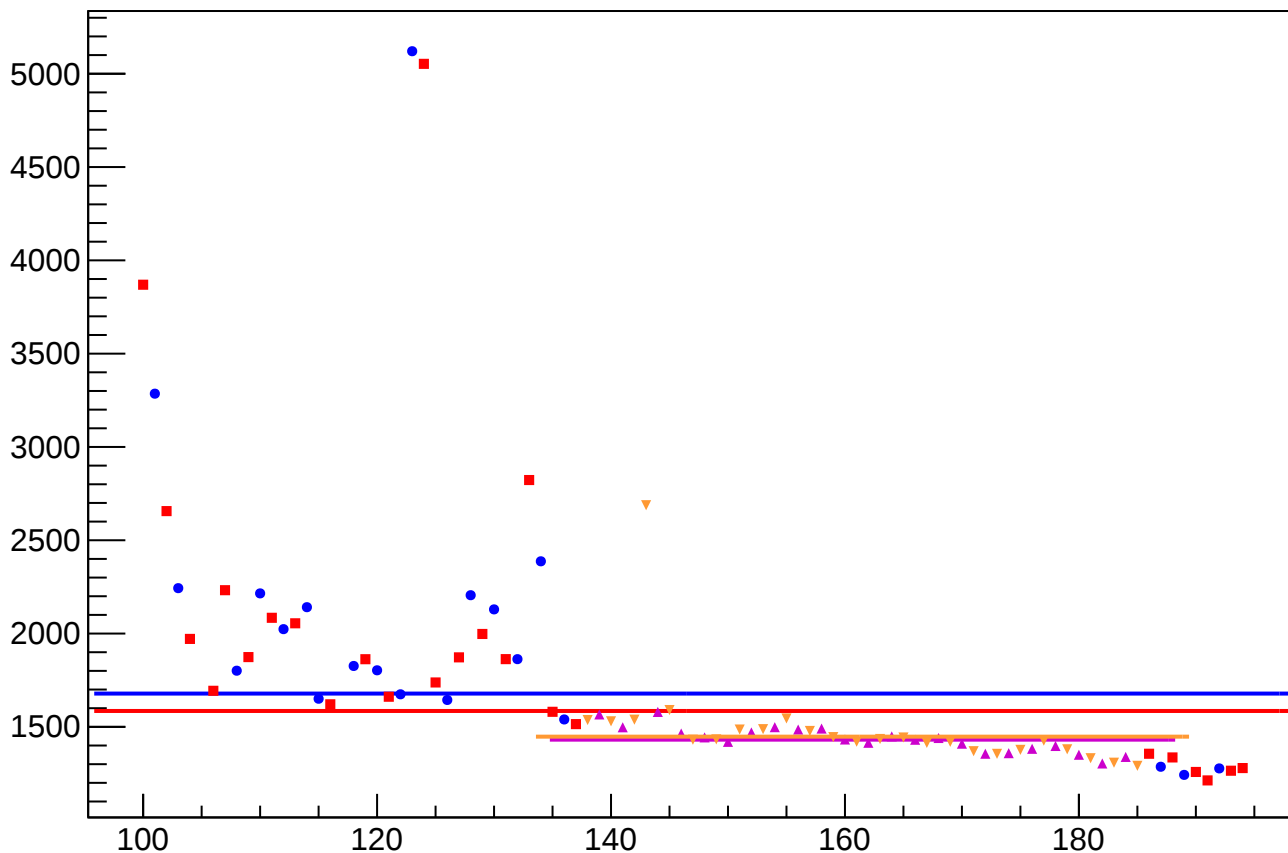
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -807.801+/-296.617 χ^2/NDF : 53.1/44

All: -314.320+/-205.485 χ^2/NDF : 93.3/92

- sign 141.057+/-284.935 χ^2/NDF : 34.9/47

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1678.386 $\pm$ 0.431 χ^2 /NDF: 942880.2/19

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1585.163 $\pm$ 0.360 χ^2 /NDF: 1185137.9/24

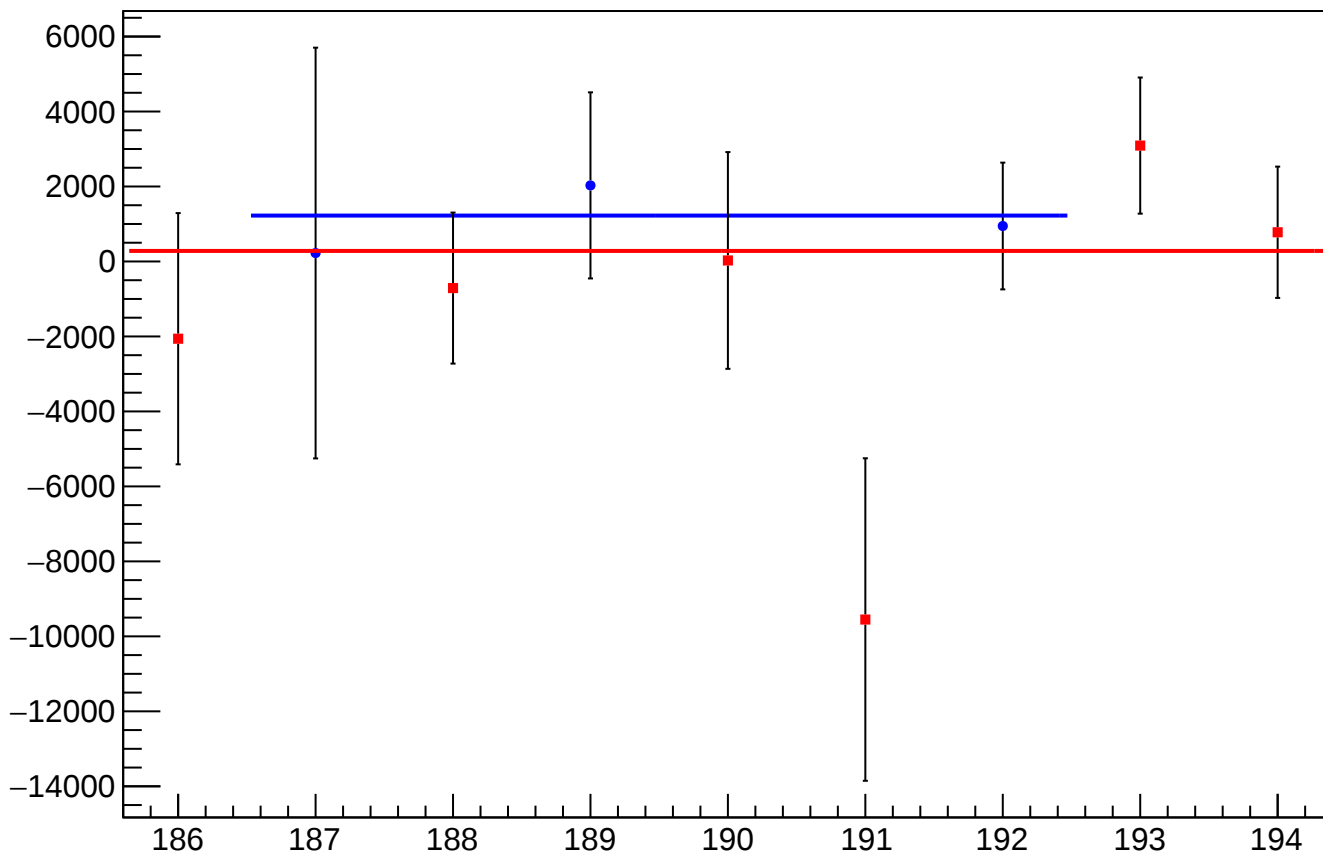
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1502.182 $\pm$ 0.210 χ^2 /NDF: 1580946.1/44

All: 1490.386 $\pm$ 0.145 χ^2 /NDF: 2972355.2/92

- sign 1479.501 $\pm$ 0.201 χ^2 /NDF: 1385327.2/47

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1224.191 $\pm$ 1353.918 χ^2 /NDF: 0.2/2

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 281.242 $\pm$ 937.169 χ^2 /NDF: 8.4/5

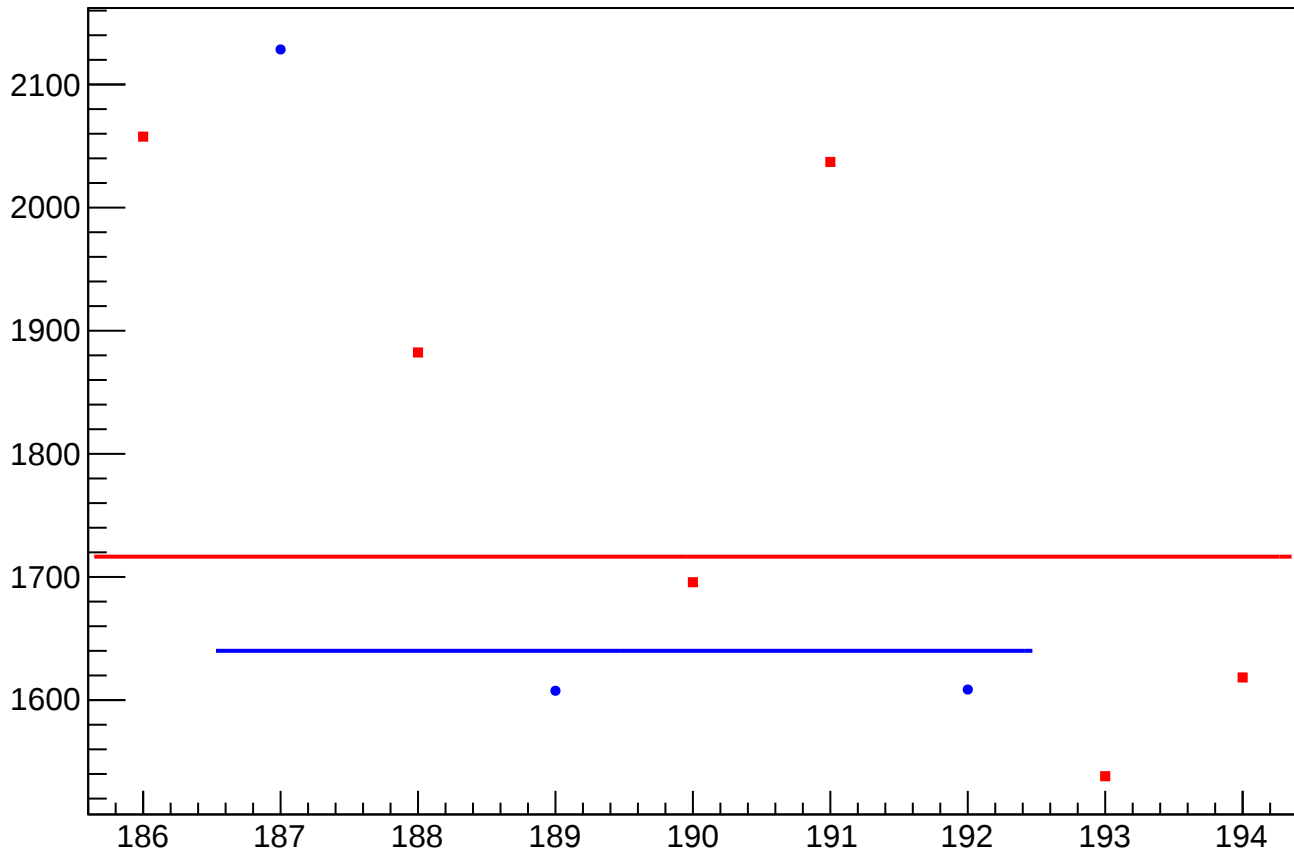
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 586.687 $\pm$ 770.575 χ^2 /NDF: 8.9/8

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1640.033+/-0.957 χ^2/NDF : 16932.8/2

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

Right Out: 1716.500+/-0.663 χ^2/NDF : 71062.1/5

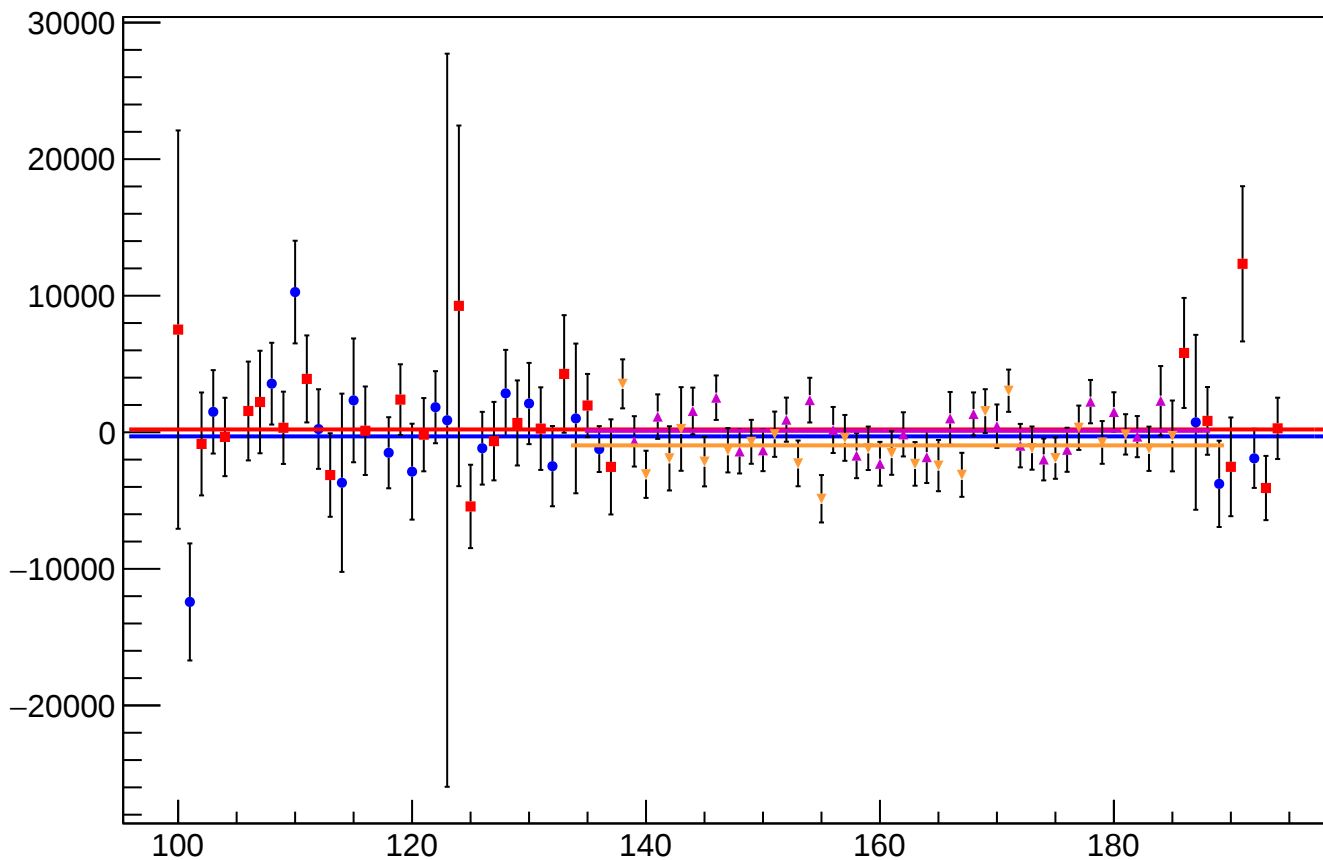
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1691.730+/-0.545 χ^2/NDF : 92308.0/8

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -299.705+/-689.666 χ^2/NDF : 24.4/19

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 208.346+/-625.421 χ^2/NDF : 20.6/24

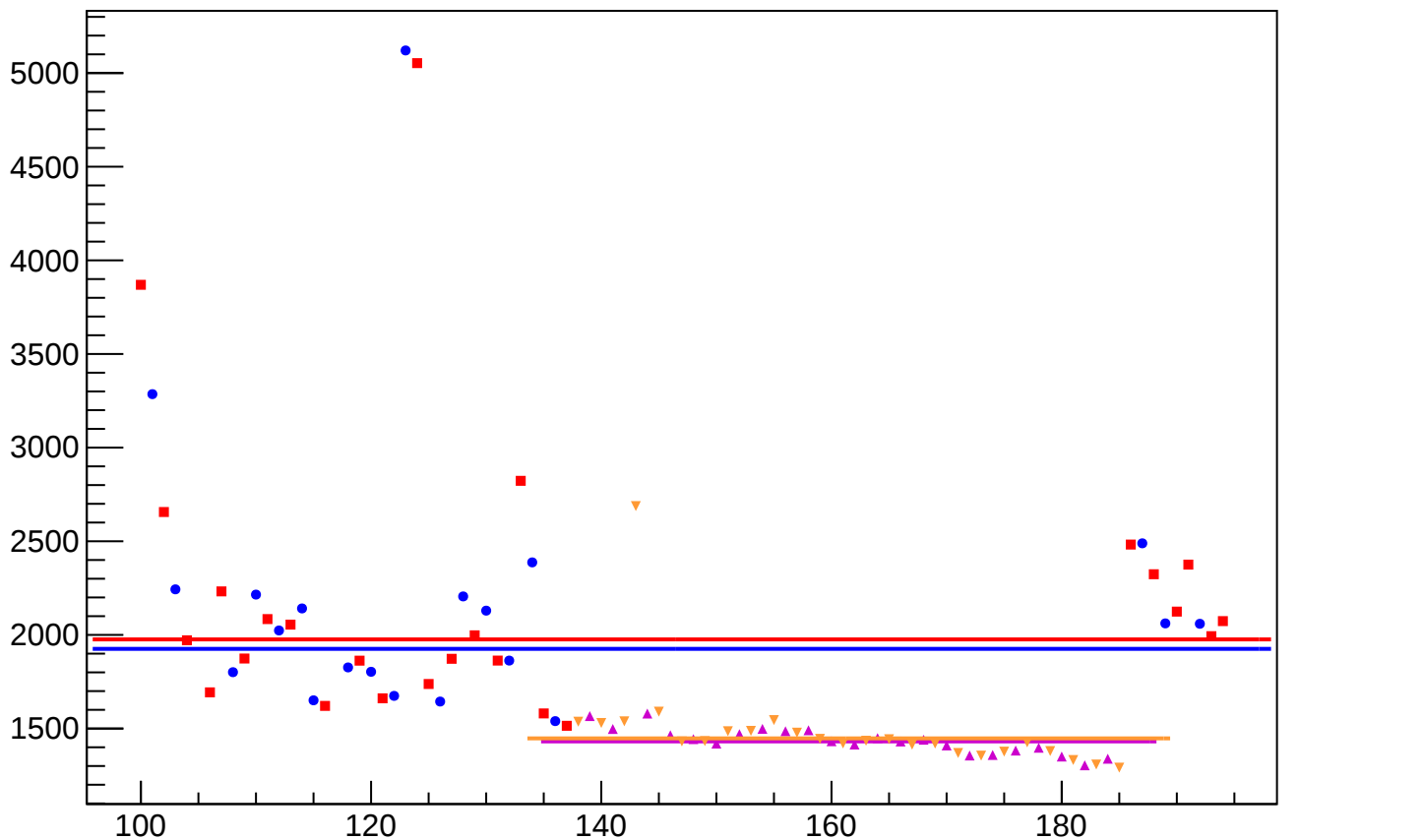
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -829.926+/-304.592 χ^2/NDF : 53.7/44

All: -344.115+/-214.165 χ^2/NDF : 98.8/92

- sign 130.897+/-301.188 χ^2/NDF : 40.1/47

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1925.508 $\pm$ 0.488 χ^2 /NDF: 496844.7/19

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1976.045 $\pm$ 0.442 χ^2 /NDF: 567748.2/24

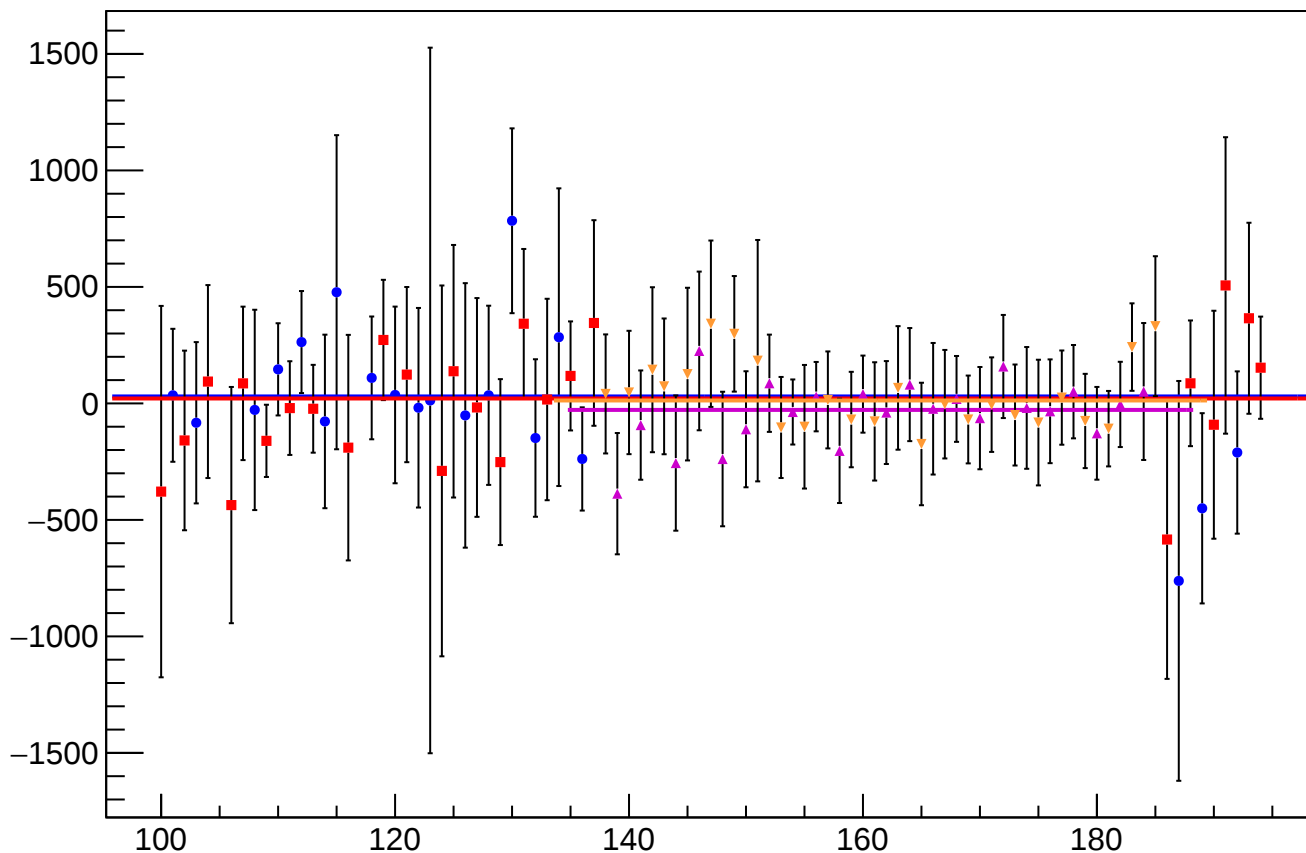
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1540.783 $\pm$ 0.215 χ^2 /NDF: 1689302.4/44

All: 1549.365 $\pm$ 0.151 χ^2 /NDF: 3500090.8/92

- sign 1557.756 $\pm$ 0.213 χ^2 /NDF: 1807648.2/47

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 29.887 $\pm$ 76.141 χ^2 /NDF: 10.5/19

Left Out: 12.618 $\pm$ 47.486 χ^2 /NDF: 7.7/24

Right Out: 21.118 $\pm$ 62.759 χ^2 /NDF: 9.3/24

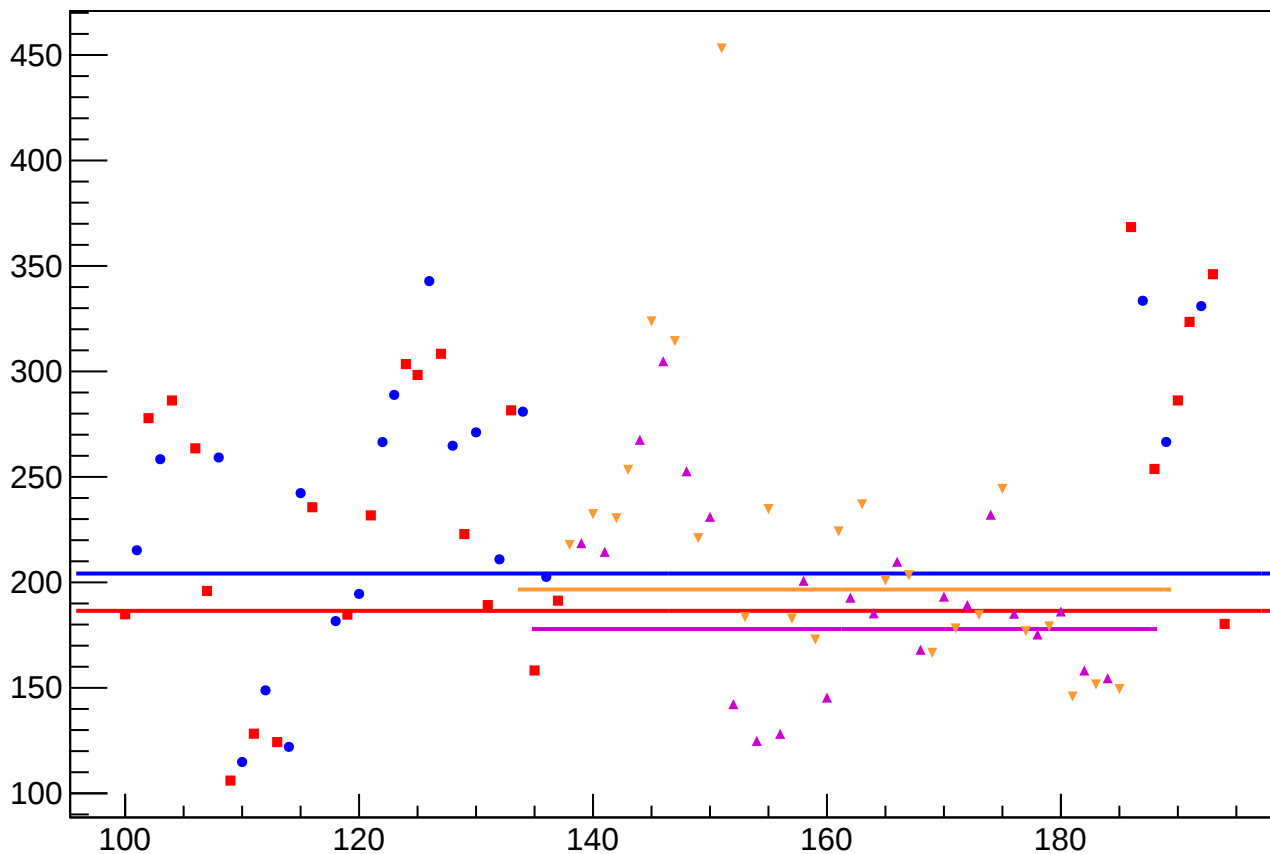
Left In: -27.921 $\pm$ 44.523 χ^2 /NDF: 6.5/22

+ sign 17.454 $\pm$ 40.292 χ^2 /NDF: 18.2/44

All: 1.476 $\pm$ 26.975 χ^2 /NDF: 34.7/92

- sign -11.503 $\pm$ 36.313 χ^2 /NDF: 16.3/47

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 204.199 $\pm$ 0.054 χ^2 /NDF: 1401474.3/19

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 186.514 $\pm$ 0.044 χ^2 /NDF: 2450332.8/24

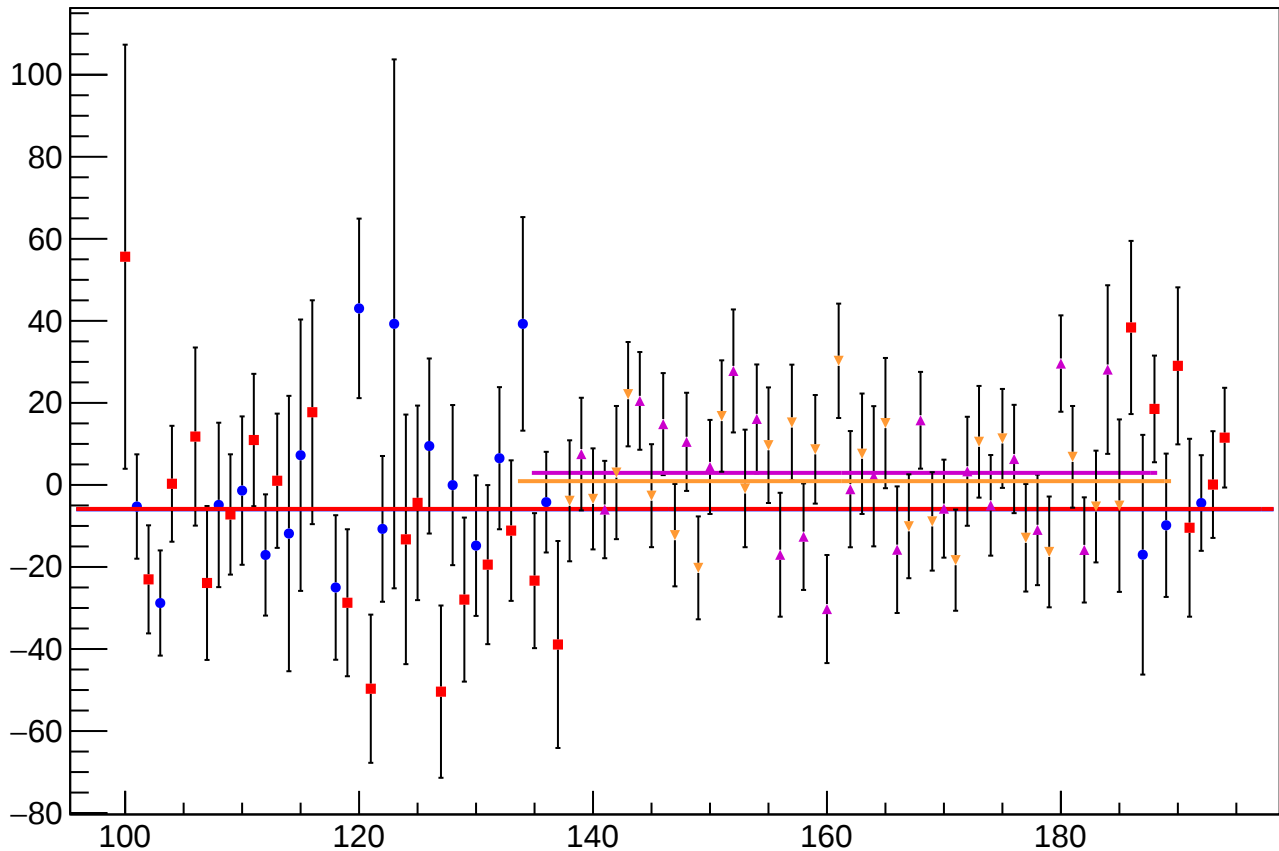
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 198.742 $\pm$ 0.028 χ^2 /NDF: 3209250.7/44

All: 188.825 $\pm$ 0.019 χ^2 /NDF: 7548452.6/92

- sign 180.769 $\pm$ 0.026 χ^2 /NDF: 4119610.7/47

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.958 ± 3.941 χ^2/NDF : 15.4/19

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -5.846 ± 3.525 χ^2/NDF : 37.2/24

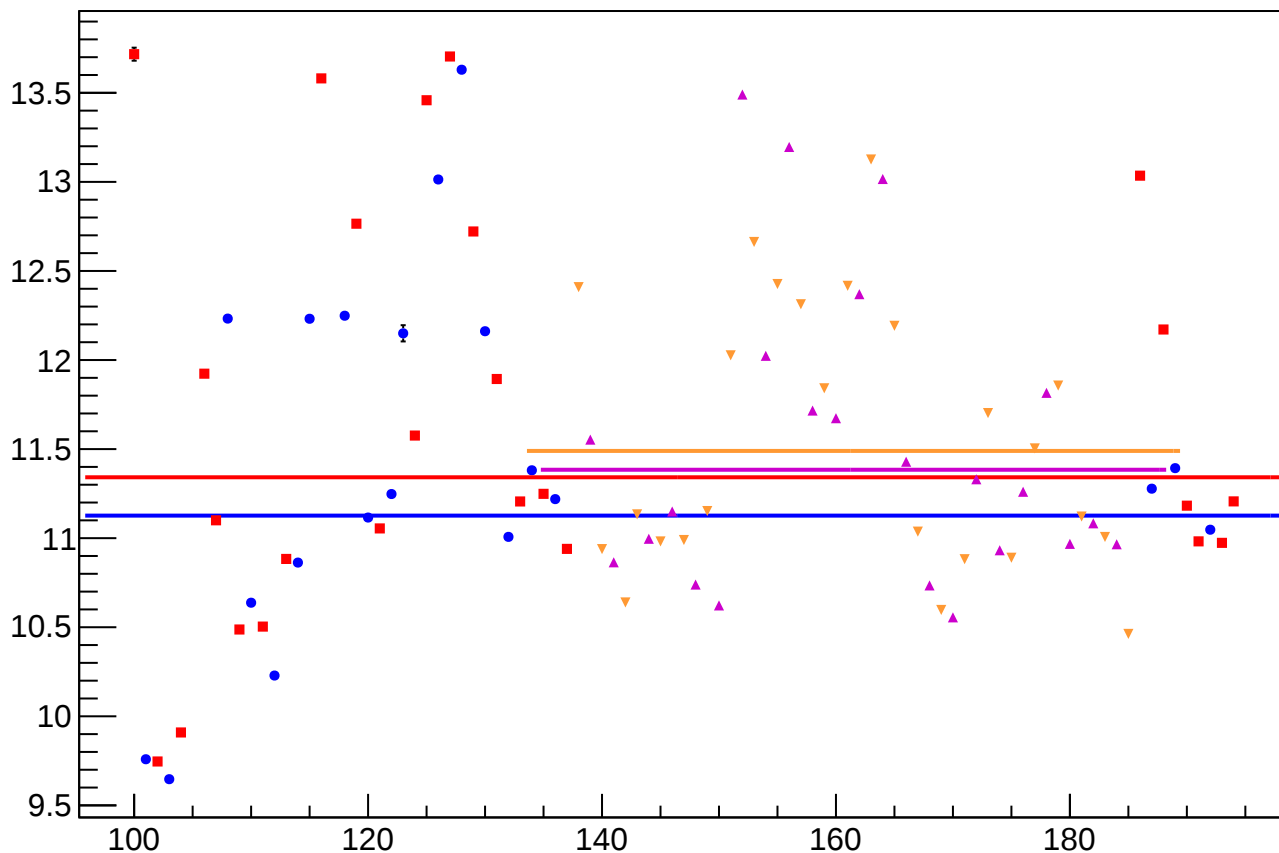
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign -1.273 ± 2.225 χ^2/NDF : 41.5/44

All: -0.812 ± 1.552 χ^2/NDF : 113.6/92

- sign -0.376 ± 2.166 χ^2/NDF : 72.1/47

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.127 $\pm$ 0.003 χ^2 /NDF: 132570.2/19

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 11.342 $\pm$ 0.002 χ^2 /NDF: 172958.0/24

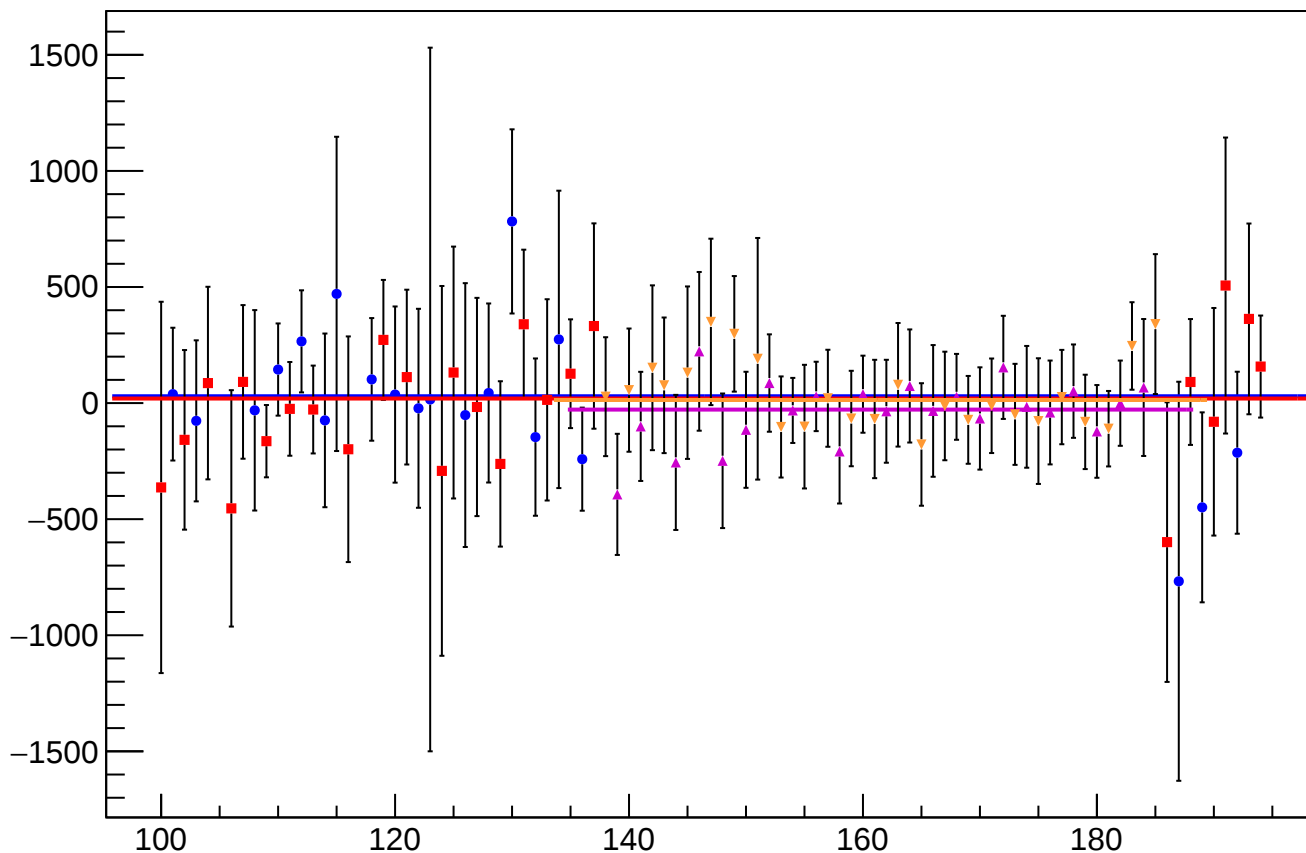
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.374 $\pm$ 0.002 χ^2 /NDF: 276536.3/44

All: 11.371 $\pm$ 0.001 χ^2 /NDF: 599480.6/92

- sign 11.368 $\pm$ 0.002 χ^2 /NDF: 322937.1/47

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 29.425 $\pm$ 76.337 χ^2 /NDF: 10.4/19

Left Out: 13.323 $\pm$ 47.662 χ^2 /NDF: 7.9/24

Right Out: 19.595 $\pm$ 62.944 χ^2 /NDF: 9.5/24

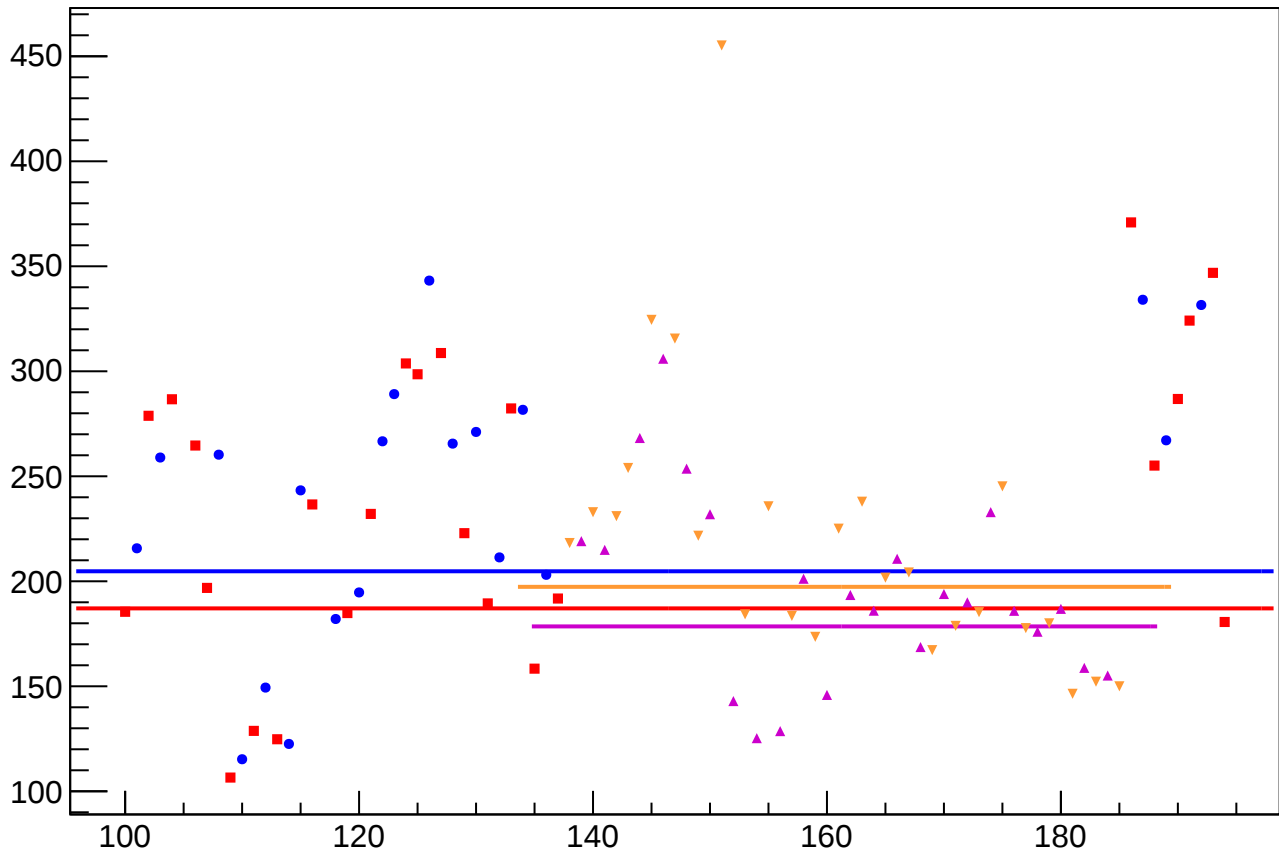
Left In: -28.050 $\pm$ 44.681 χ^2 /NDF: 6.6/22

+ sign 17.839 $\pm$ 40.429 χ^2 /NDF: 18.4/44

All: 1.326 $\pm$ 27.065 χ^2 /NDF: 35.1/92

- sign -12.086 $\pm$ 36.435 χ^2 /NDF: 16.5/47

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 204.766 $\pm$ 0.054 χ^2 /NDF: 1395281.0/19

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF: 1790824.5/24

Right Out: 187.093 $\pm$ 0.045 χ^2 /NDF: 2444578.2/24

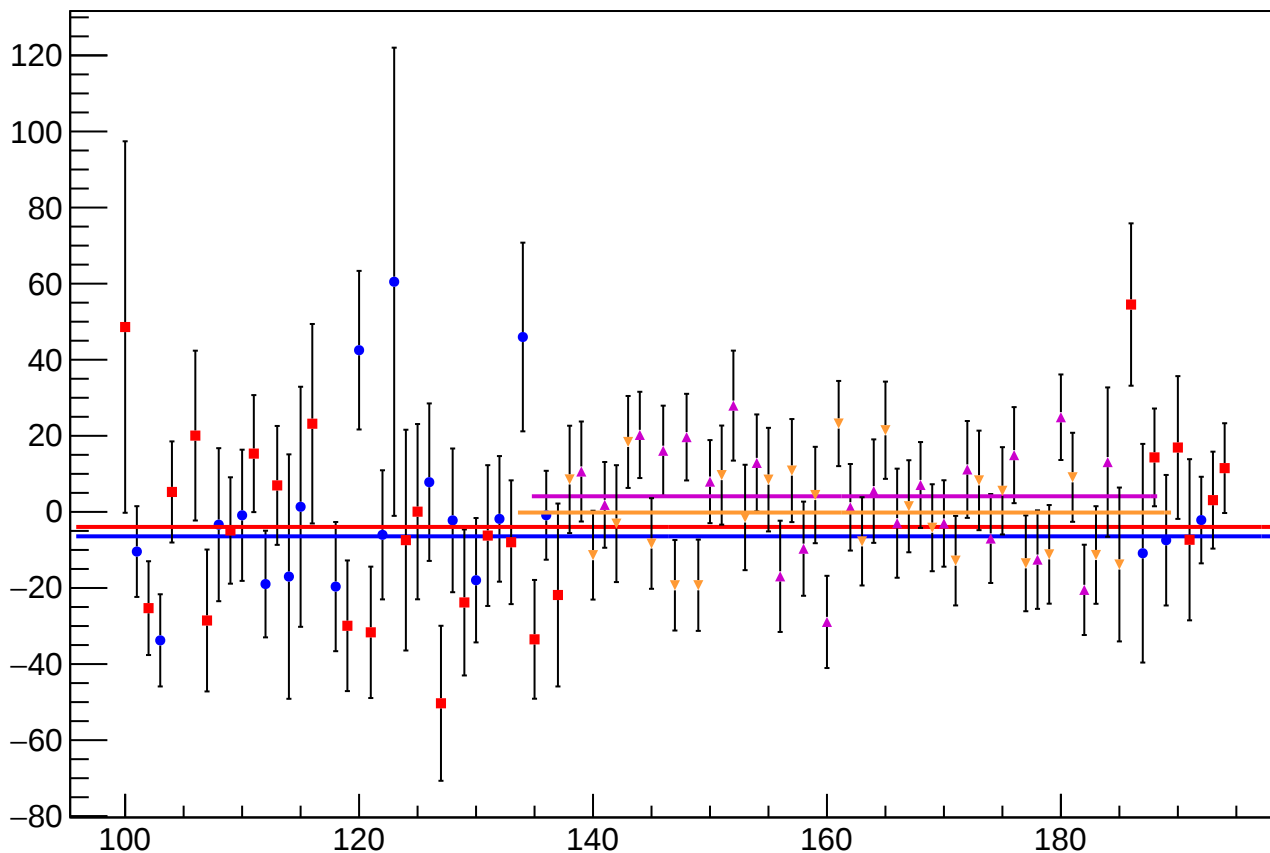
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF: 1642304.1/22

+ sign 199.434 $\pm$ 0.029 χ^2 /NDF: 3199669.0/44

All: 189.475 $\pm$ 0.019 χ^2 /NDF: 7531176.1/92

- sign 181.387 $\pm$ 0.026 χ^2 /NDF: 4111598.4/47

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.422 ± 3.778 χ^2/NDF : 19.6/19

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -3.951 ± 3.399 χ^2/NDF : 38.8/24

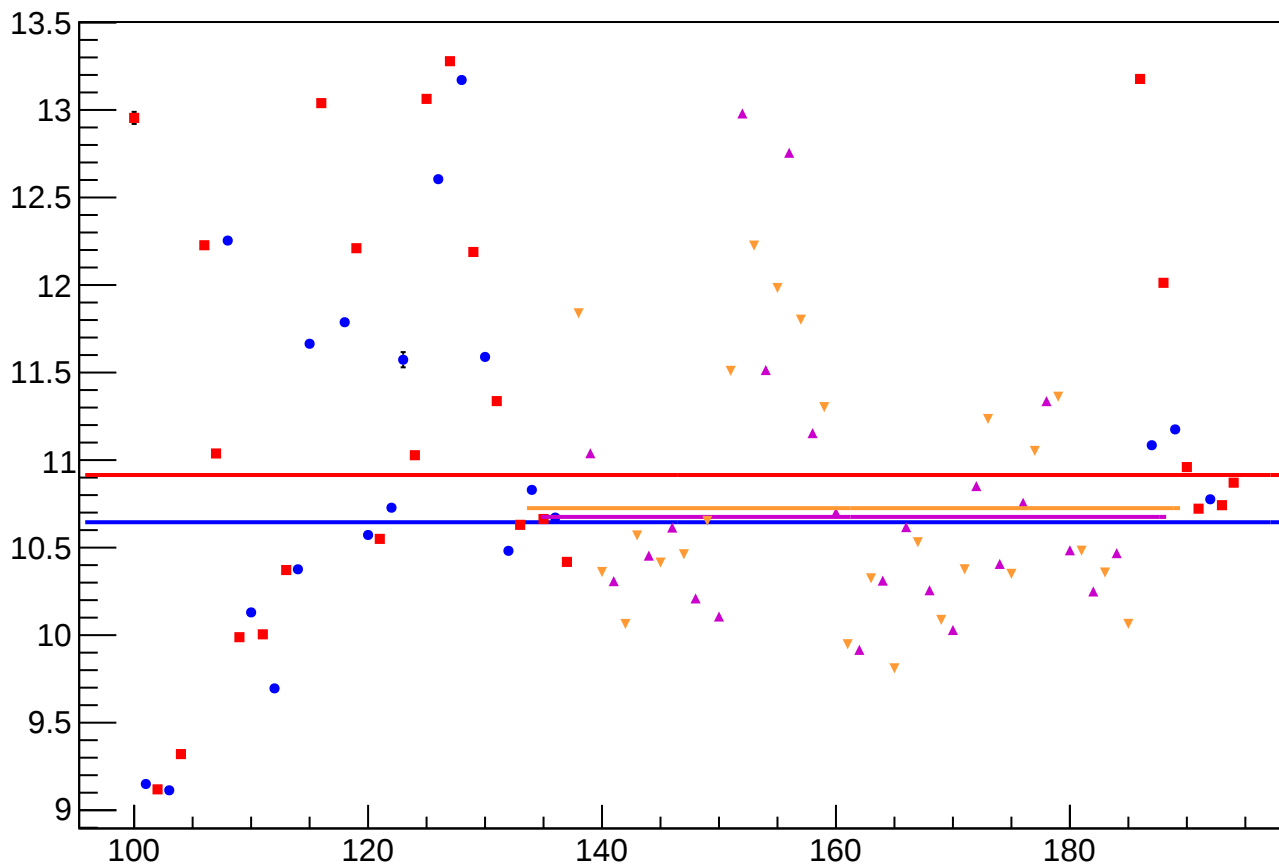
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -2.096 ± 2.097 χ^2/NDF : 45.8/44

All: -0.432 ± 1.467 χ^2/NDF : 121.0/92

- sign 1.165 ± 2.054 χ^2/NDF : 74.0/47

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.645 ± 0.003 χ^2/NDF : 162255.1/19

Left Out: 10.725 ± 0.002 χ^2/NDF : 132170.8/24

Right Out: 10.915 ± 0.002 χ^2/NDF : 219132.5/24

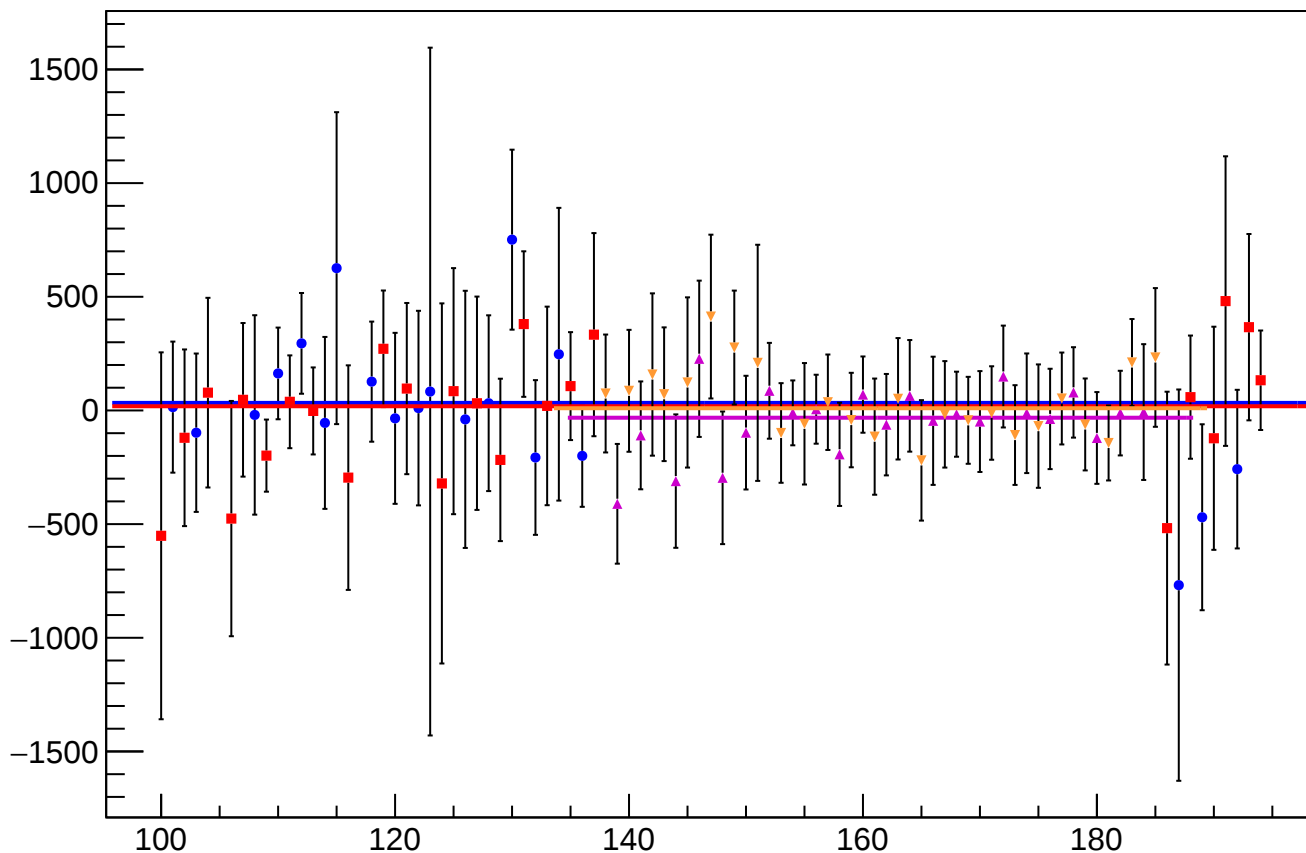
Left In: 10.675 ± 0.002 χ^2/NDF : 145938.2/22

+ sign 10.701 ± 0.001 χ^2/NDF : 295053.7/44

All: 10.732 ± 0.001 χ^2/NDF : 667318.5/92

- sign 10.763 ± 0.001 χ^2/NDF : 371368.5/47

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 33.267 ± 76.800 $\chi^2/\text{NDF}: 11.0/19$

Left Out: 9.801 ± 47.979 $\chi^2/\text{NDF}: 7.5/24$

Right Out: 18.433 ± 63.396 $\chi^2/\text{NDF}: 9.9/24$

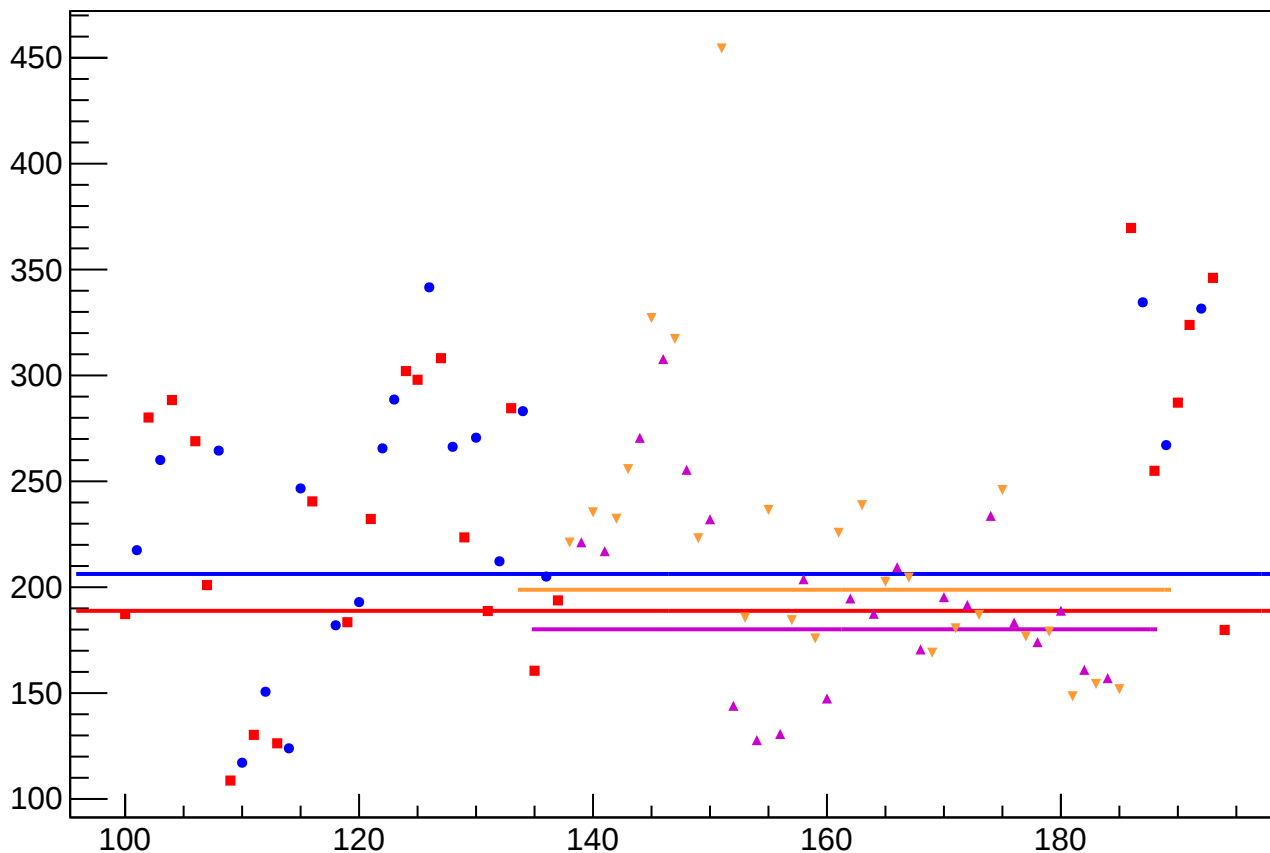
Left In: -31.989 ± 45.038 $\chi^2/\text{NDF}: 7.2/22$

+ sign 16.389 ± 40.691 $\chi^2/\text{NDF}: 18.6/44$

All: -0.955 ± 27.259 $\chi^2/\text{NDF}: 36.4/92$

- sign -15.076 ± 36.716 $\chi^2/\text{NDF}: 17.4/47$

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 206.257 $\pm$ 0.054 χ^2 /NDF: 1359679.7/19

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF:1763119.1/24

Right Out: 188.836 $\pm$ 0.045 χ^2 /NDF: 2376491.4/24

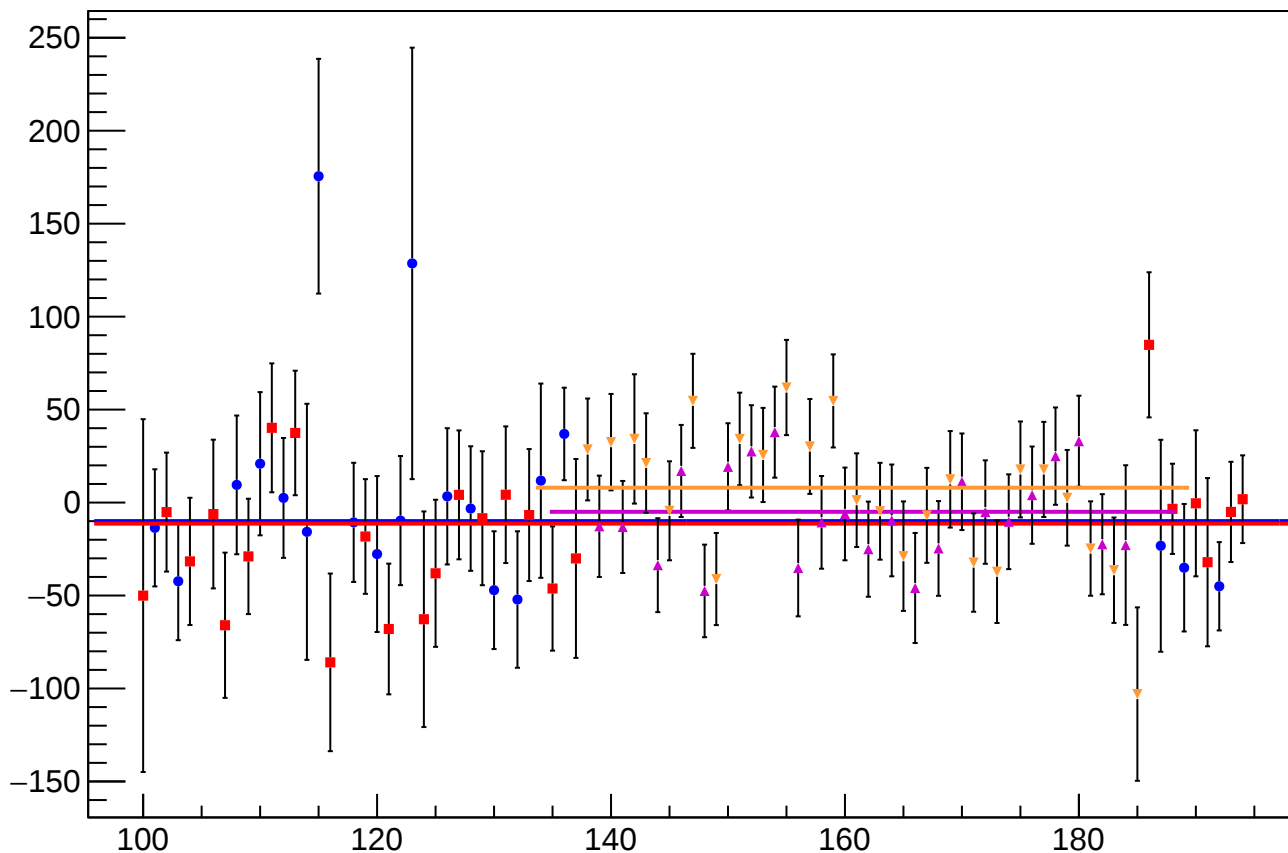
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

+ sign 200.893 $\pm$ 0.029 χ^2 /NDF: 3136358.9/44

All: 191.055 $\pm$ 0.019 χ^2 /NDF: 7343892.4/92

- sign 183.046 $\pm$ 0.026 χ^2 /NDF: 3995440.2/47

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -9.977 ± 8.019 χ^2/NDF : 21.7/19

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -11.328 ± 7.024 χ^2/NDF : 22.0/24

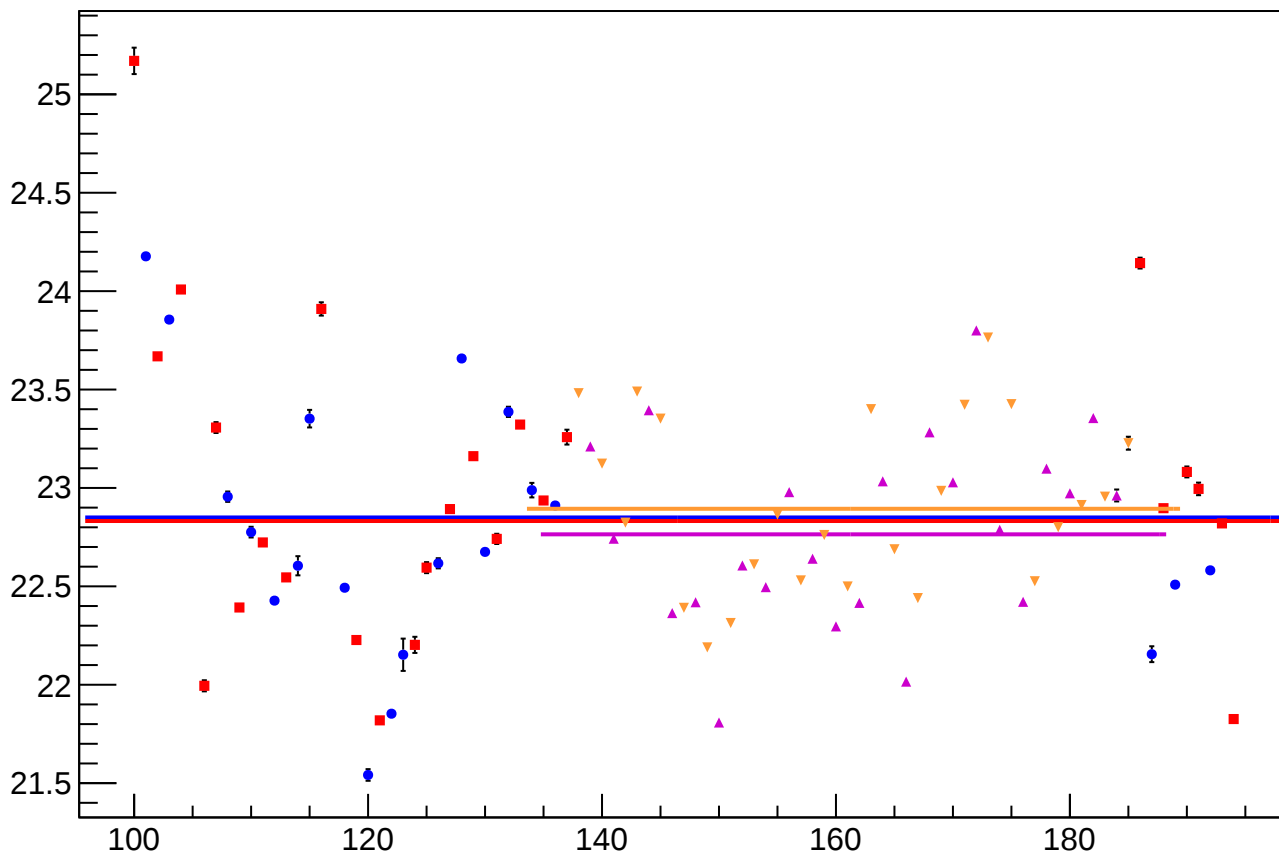
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 2.488 ± 4.437 χ^2/NDF : 62.6/44

All: -2.586 ± 3.089 χ^2/NDF : 108.1/92

- sign -7.358 ± 4.303 χ^2/NDF : 42.9/47

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.850 $\pm$ 0.006 χ^2 /NDF: 12504.2/19

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.832 $\pm$ 0.005 χ^2 /NDF: 17170.7/24

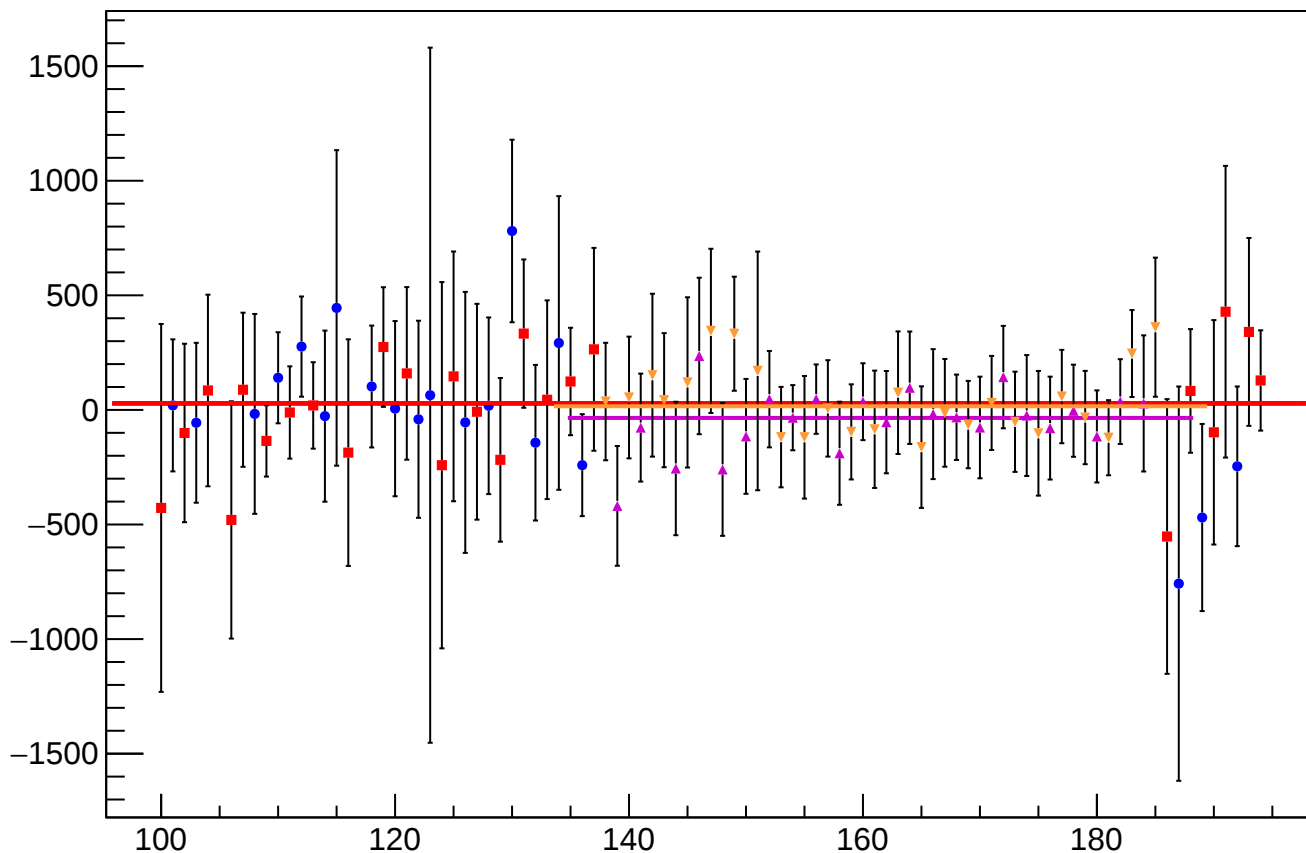
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.881 $\pm$ 0.003 χ^2 /NDF: 25616.8/44

All: 22.834 $\pm$ 0.002 χ^2 /NDF: 58001.9/92

- sign 22.790 $\pm$ 0.003 χ^2 /NDF: 31952.5/47

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 27.273+/-76.483 χ^2/NDF : 10.6/19

Left Out: 15.904+/-47.898 χ^2/NDF : 8.4/24

Right Out: 30.131+/-63.021 χ^2/NDF : 8.0/24

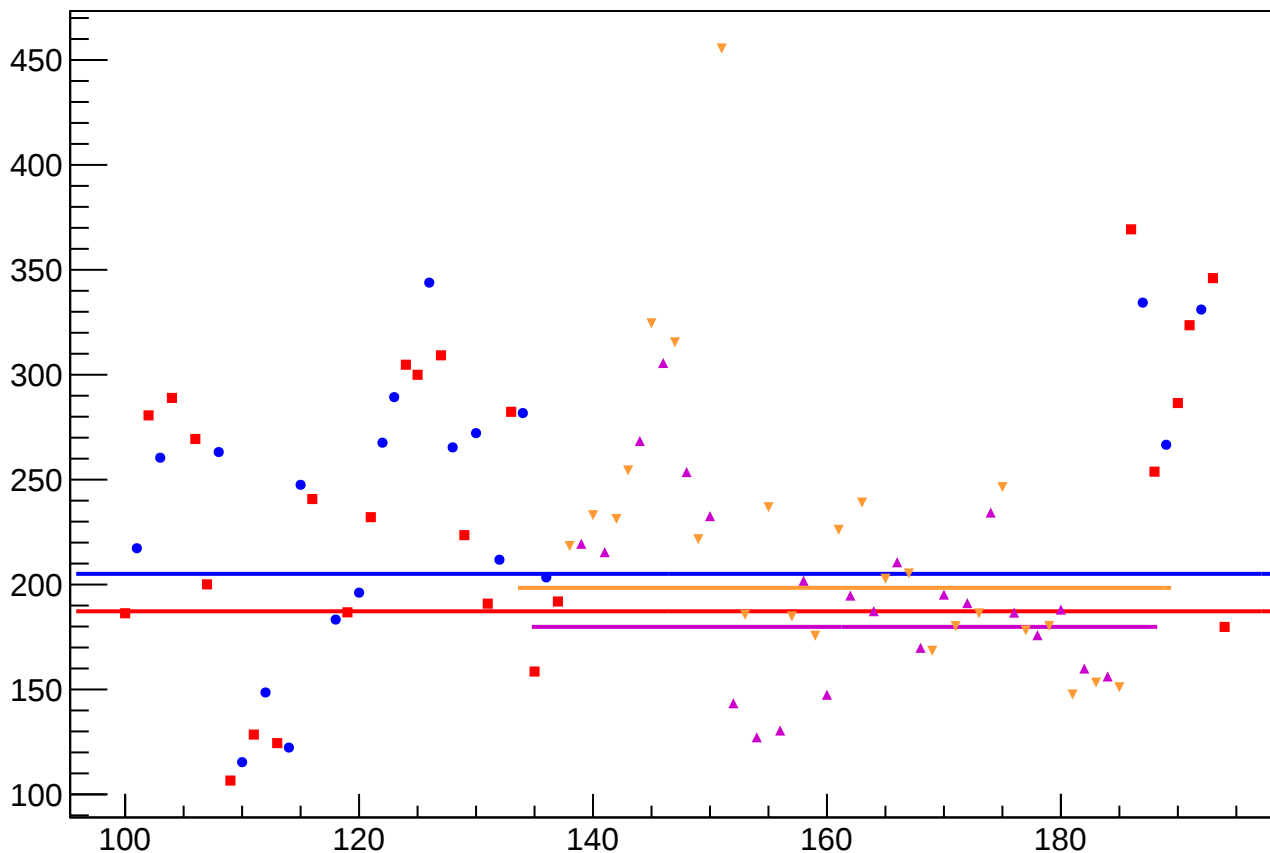
Left In: -34.919+/-44.971 χ^2/NDF : 6.6/22

+ sign 19.106+/-40.595 χ^2/NDF : 19.0/44

All: 1.415+/-27.186 χ^2/NDF : 34.7/92

- sign -12.971+/-36.606 χ^2/NDF : 15.3/47

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 205.107 $\pm$ 0.054 χ^2 /NDF: 1406139.2/19

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF:1761433.9/24

Right Out: 187.267 $\pm$ 0.045 χ^2 /NDF: 2460900.8/24

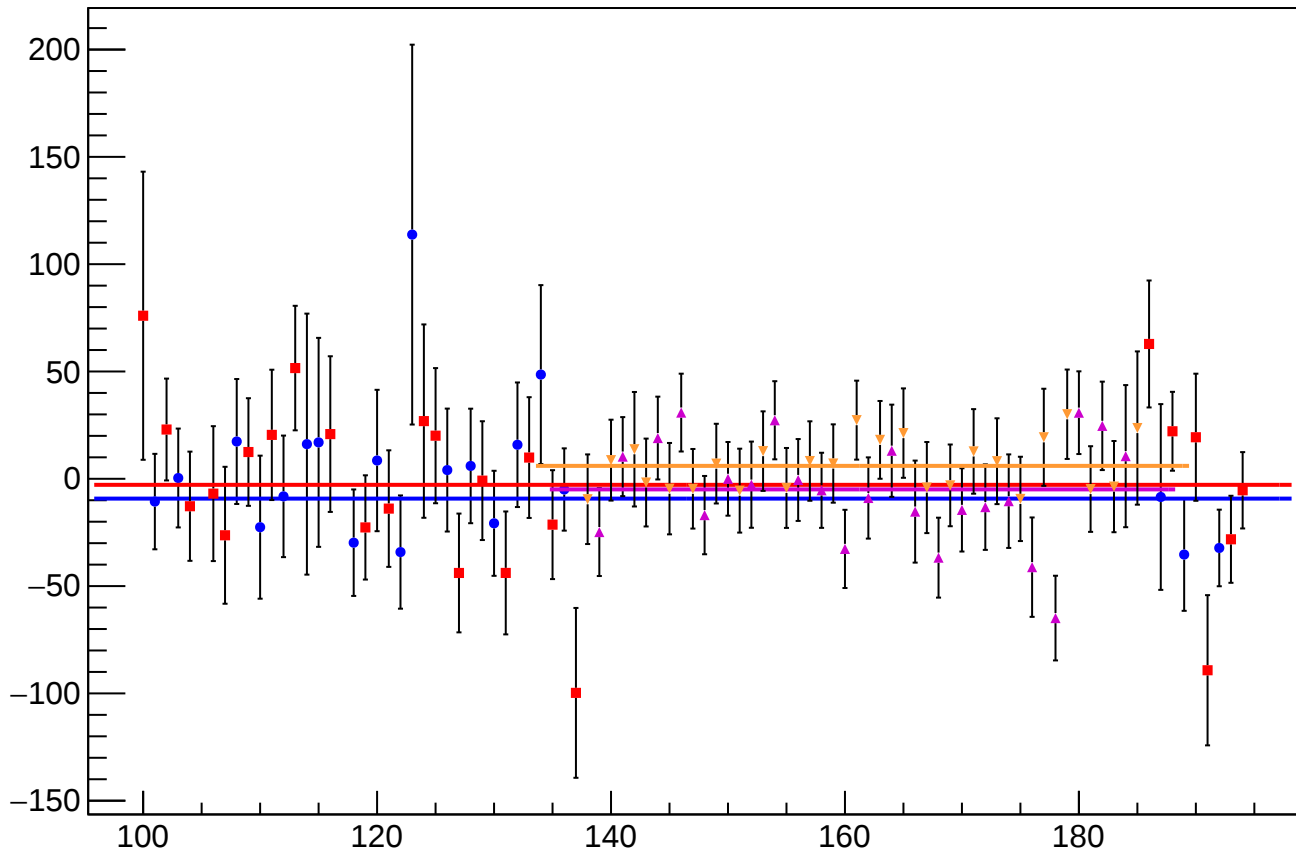
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF:1588834.3/22

+ sign 200.325 $\pm$ 0.029 χ^2 /NDF: 3178455.8/44

All: 190.409 $\pm$ 0.019 χ^2 /NDF: 7462986.1/92

- sign 182.345 $\pm$ 0.026 χ^2 /NDF: 4068146.4/47

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -9.234 ± 6.208 χ^2/NDF : 11.6/19

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -2.817 ± 5.451 χ^2/NDF : 36.0/24

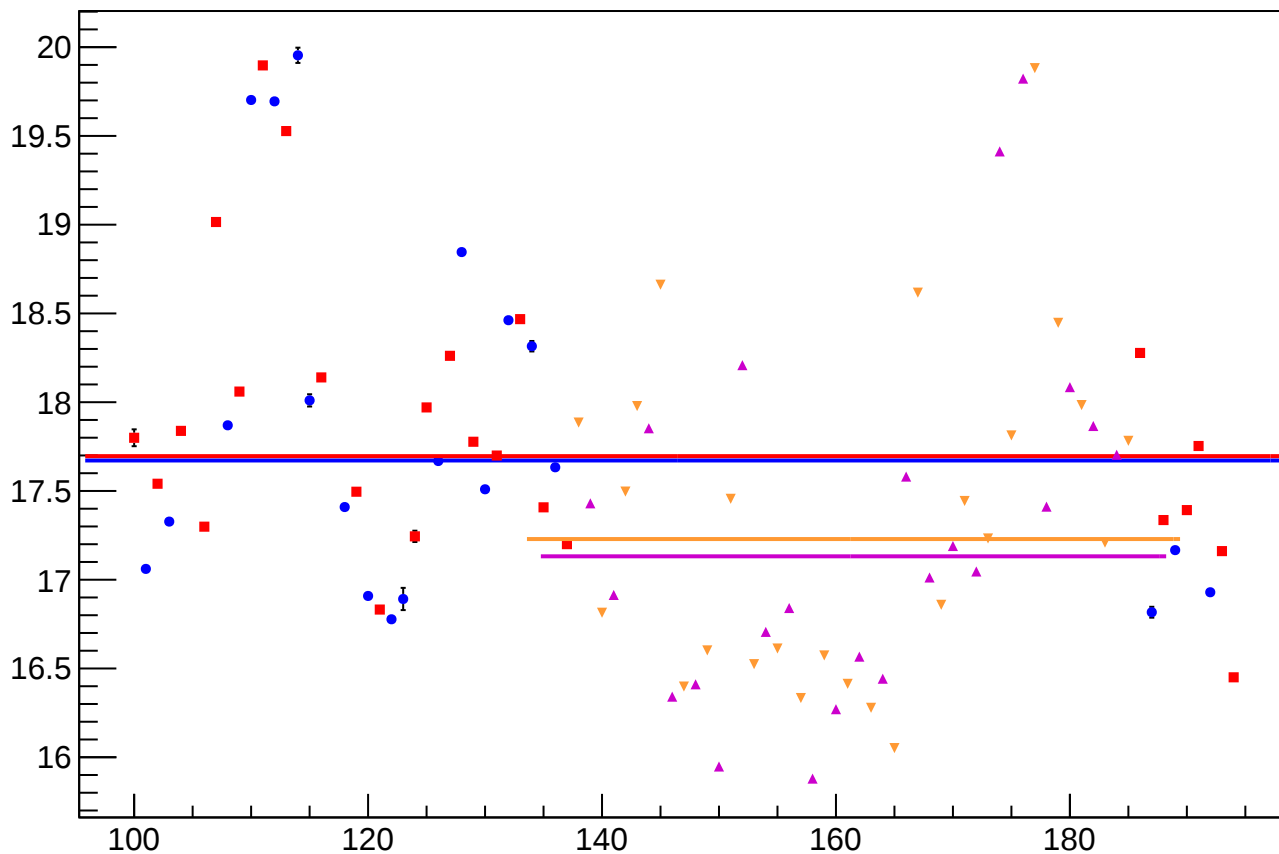
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.518 ± 3.373 χ^2/NDF : 24.0/44

All: -1.407 ± 2.352 χ^2/NDF : 96.3/92

- sign -4.173 ± 3.280 χ^2/NDF : 70.9/47

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.672+/-0.004 χ^2/NDF : 37254.9/19

Left Out: 17.229+/-0.003 χ^2/NDF : 98624.7/24

Right Out: 17.696+/-0.004 χ^2/NDF : 41493.2/24

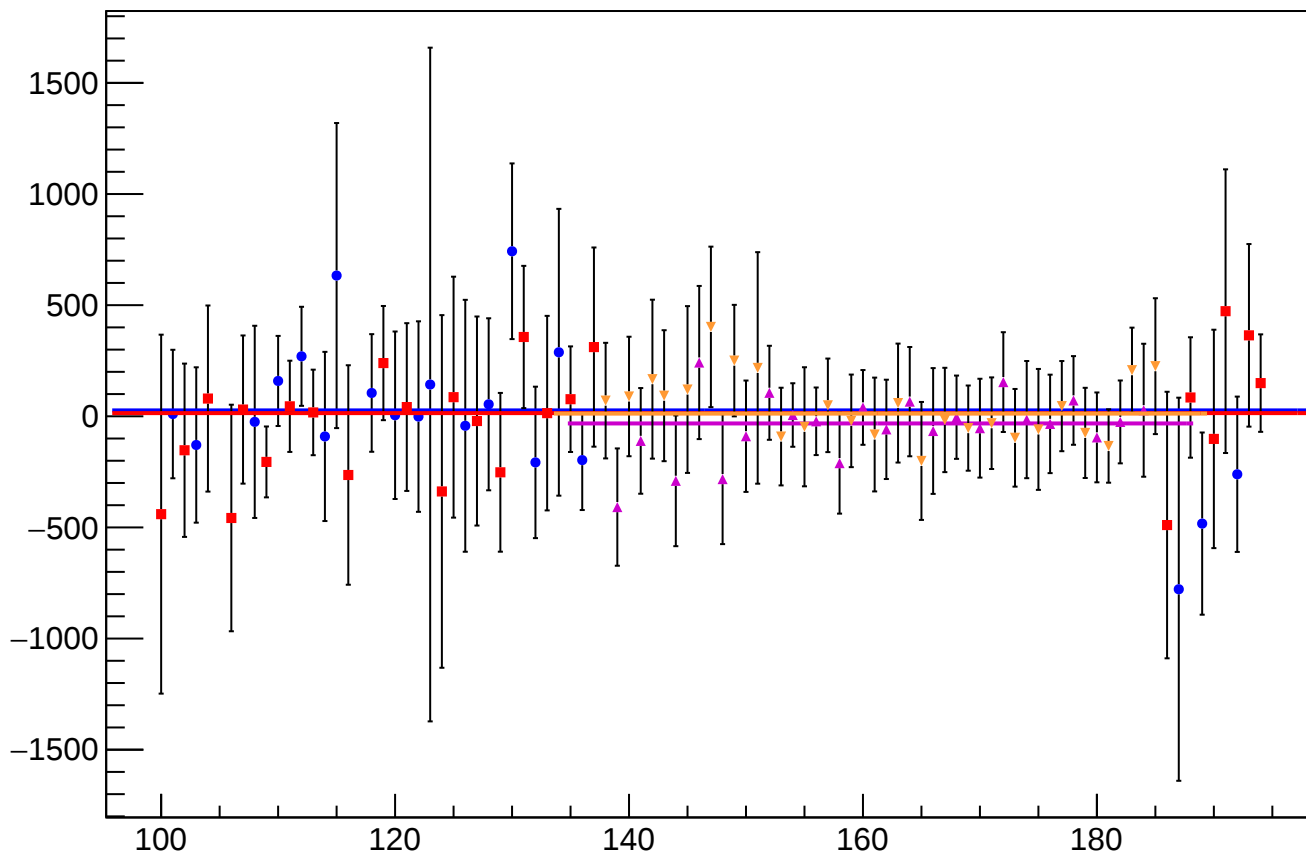
Left In: 17.132+/-0.003 χ^2/NDF : 103997.3/22

+ sign 17.360+/-0.002 χ^2/NDF : 143045.7/44

All: 17.348+/-0.002 χ^2/NDF : 302258.9/92

- sign 17.336+/-0.002 χ^2/NDF : 159163.2/47

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 26.495 $\pm$ 76.986 χ^2 /NDF: 10.8/19

Left Out: 12.474 $\pm$ 48.086 χ^2 /NDF: 6.8/24

Right Out: 14.281 $\pm$ 63.525 χ^2 /NDF: 9.3/24

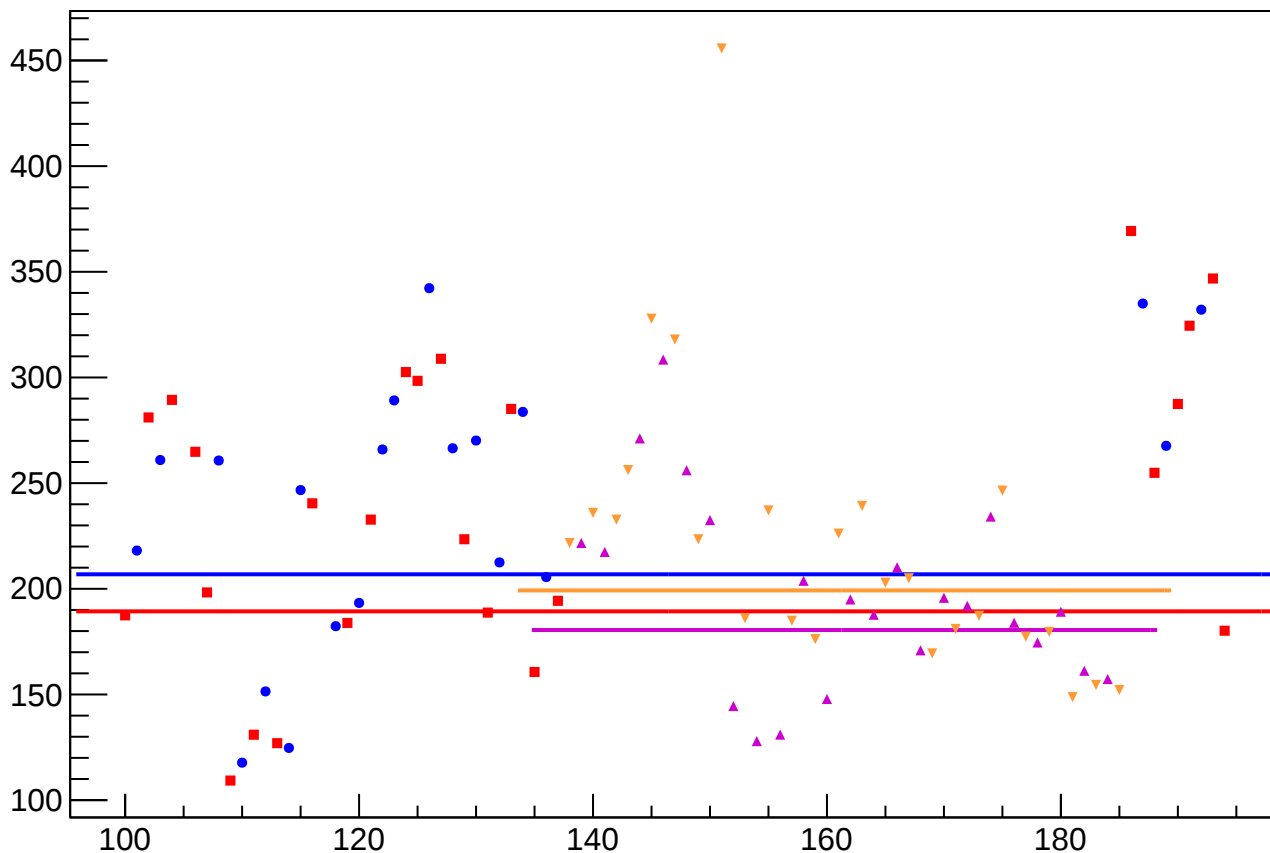
Left In: -32.159 $\pm$ 45.131 χ^2 /NDF: 6.9/22

+ sign 16.409 $\pm$ 40.784 χ^2 /NDF: 17.7/44

All: -1.780 $\pm$ 27.318 χ^2 /NDF: 34.6/92

- sign -16.582 $\pm$ 36.791 χ^2 /NDF: 16.6/47

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 206.869 $\pm$ 0.054 χ^2 /NDF: 1342898.7/19

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 189.332 $\pm$ 0.045 χ^2 /NDF: 2353994.2/24

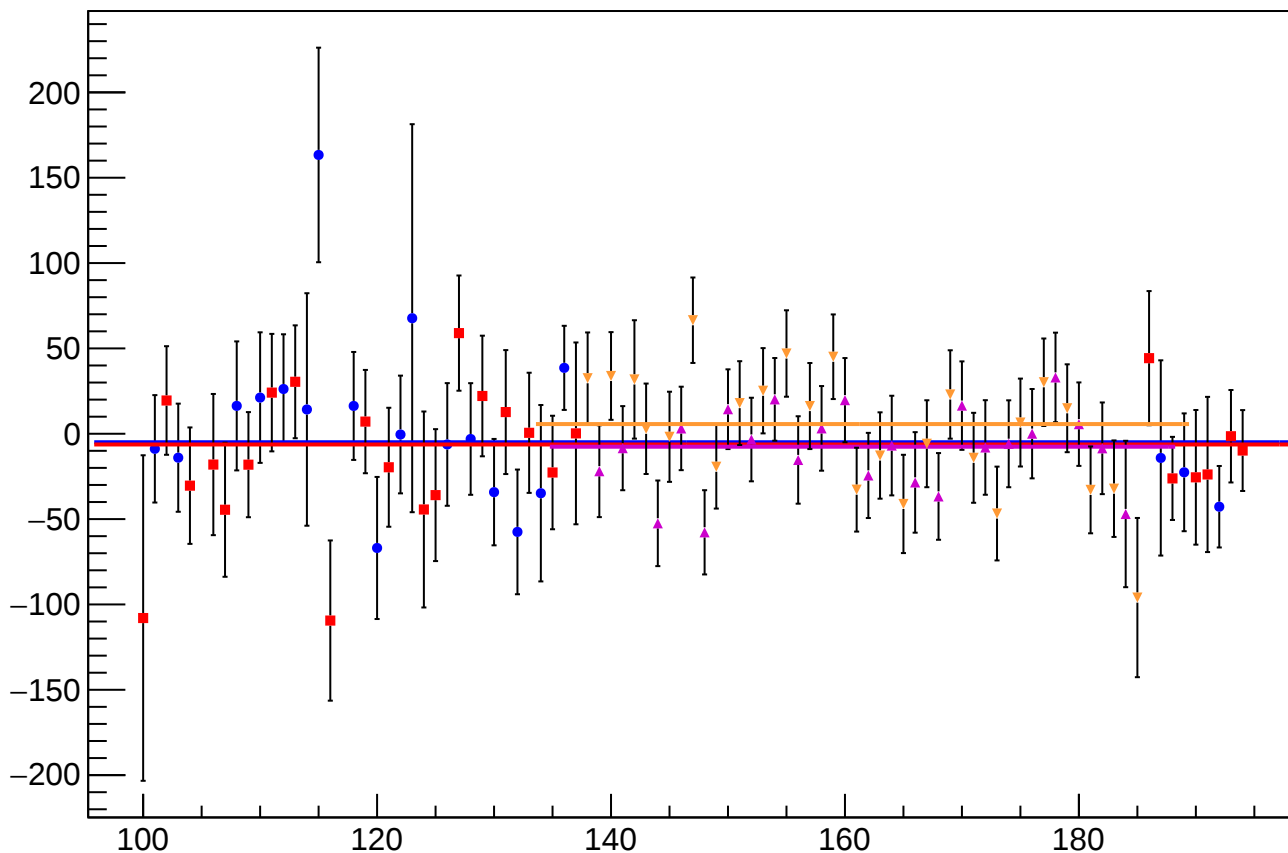
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 201.382 $\pm$ 0.029 χ^2 /NDF: 3121121.8/44

All: 191.500 $\pm$ 0.019 χ^2 /NDF: 7307599.3/92

- sign 183.458 $\pm$ 0.026 χ^2 /NDF: 3973508.5/47

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.979 ± 7.971 χ^2/NDF : 21.4/19

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: -6.280 ± 6.992 χ^2/NDF : 19.4/24

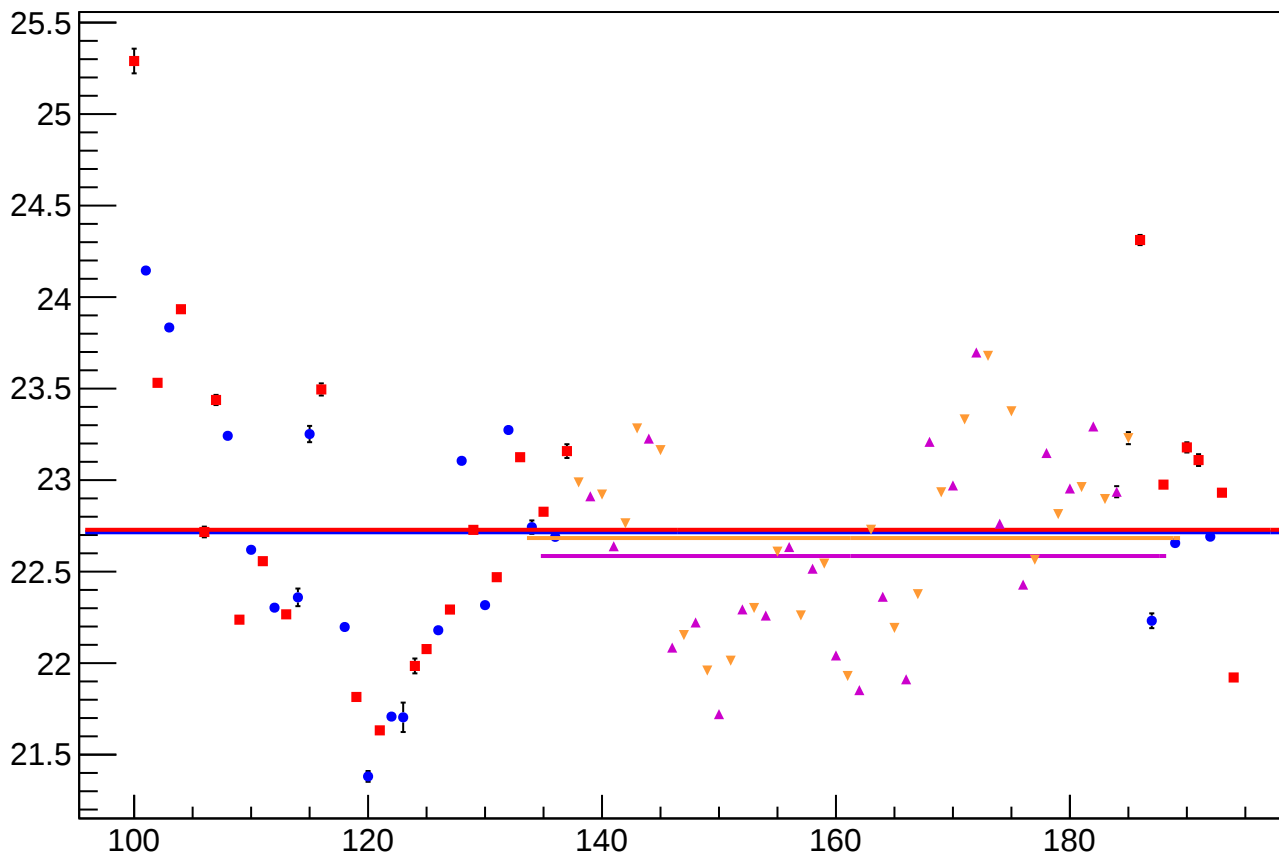
Left In: -7.594 ± 5.402 χ^2/NDF : 18.3/22

+ sign 2.427 ± 4.401 χ^2/NDF : 59.0/44

All: -2.476 ± 3.066 χ^2/NDF : 99.2/92

- sign -7.103 ± 4.275 χ^2/NDF : 37.7/47

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.715 $\pm$ 0.006 χ^2 /NDF: 13689.8/19

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.729 $\pm$ 0.005 χ^2 /NDF: 19176.1/24

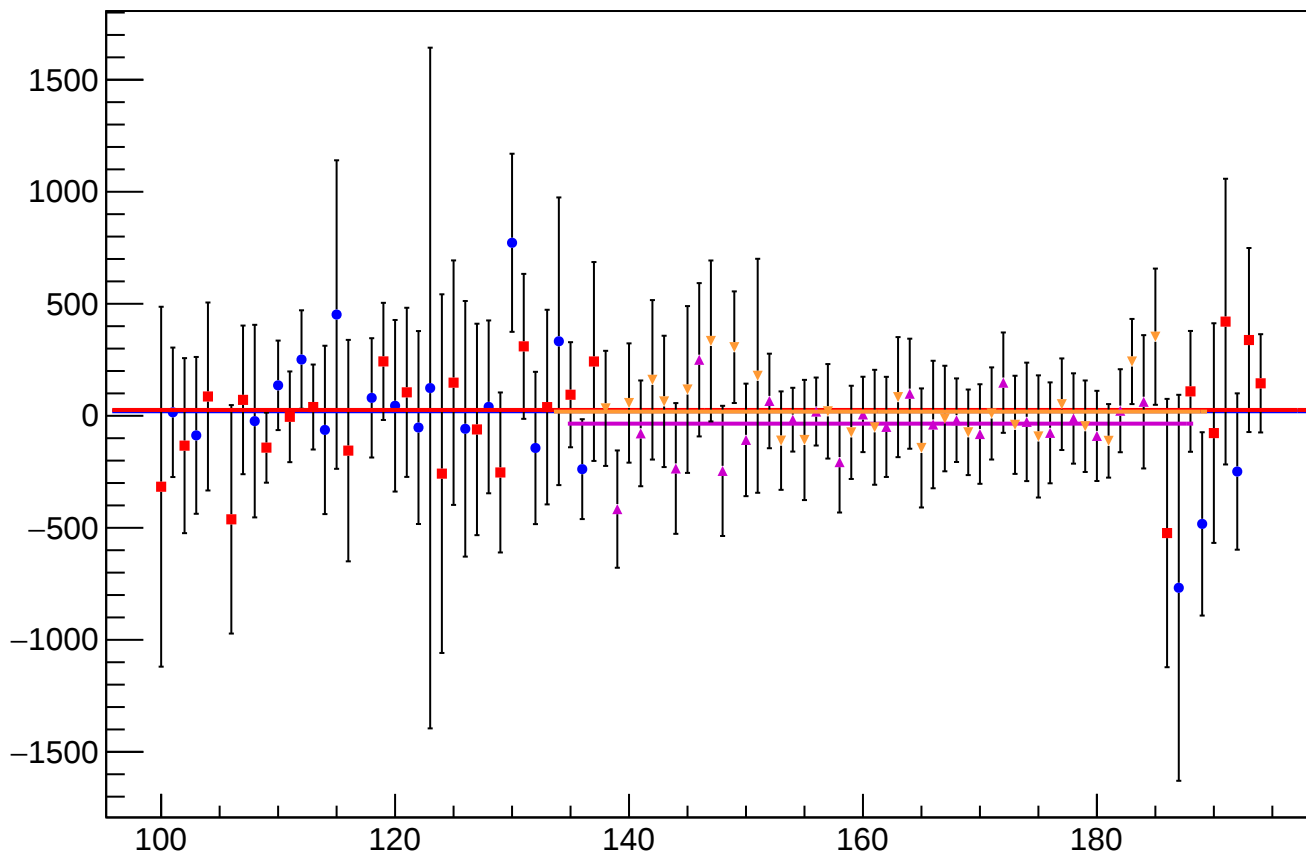
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.693 $\pm$ 0.003 χ^2 /NDF: 30029.6/44

All: 22.665 $\pm$ 0.002 χ^2 /NDF: 67975.8/92

- sign 22.639 $\pm$ 0.003 χ^2 /NDF: 37790.0/47

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 20.334 $\pm$ 76.671 χ^2 /NDF: 10.4/19

Left Out: 18.633 $\pm$ 48.006 χ^2 /NDF: 7.6/24

Right Out: 26.104 $\pm$ 63.153 χ^2 /NDF: 7.5/24

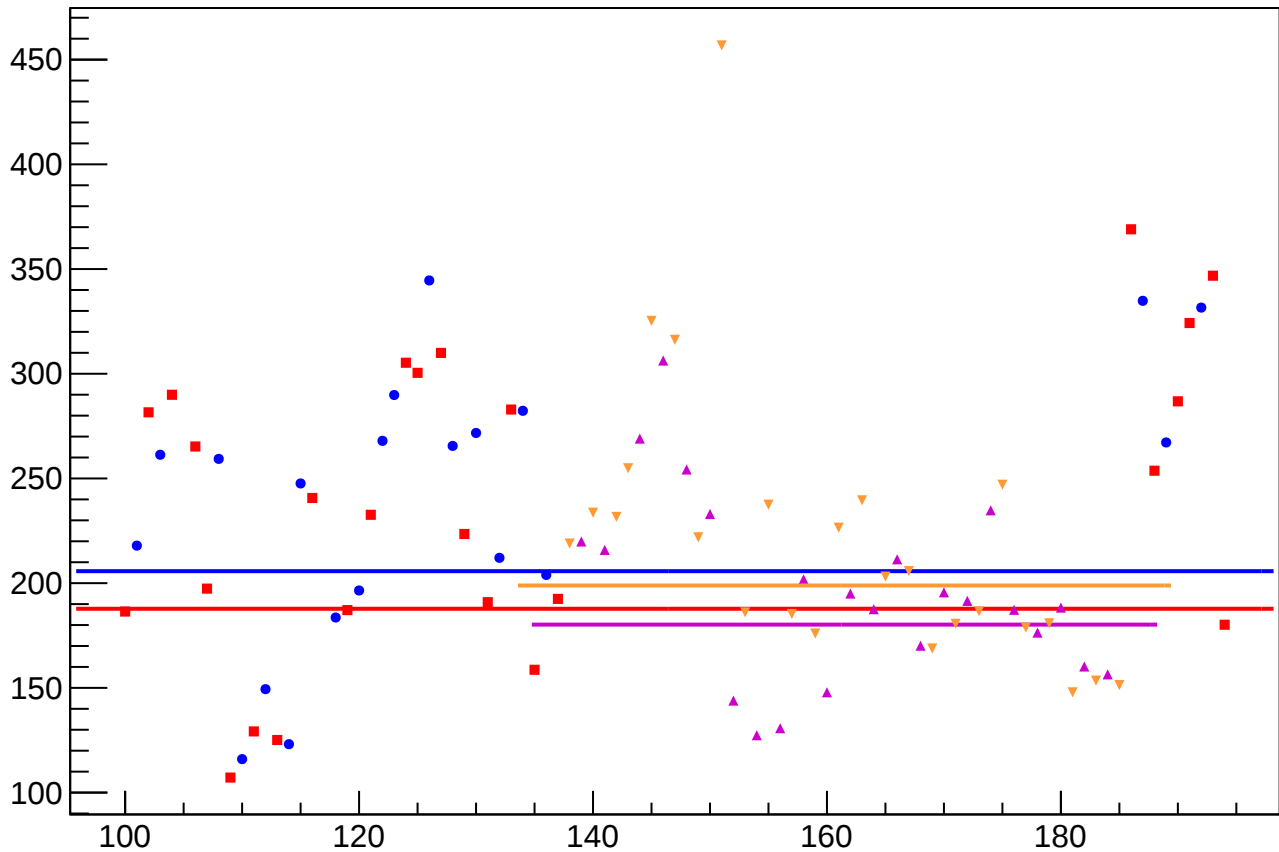
Left In: -35.046 $\pm$ 45.063 χ^2 /NDF: 6.3/22

+ sign 19.112 $\pm$ 40.688 χ^2 /NDF: 18.0/44

All: 0.617 $\pm$ 27.245 χ^2 /NDF: 32.8/92

- sign -14.416 $\pm$ 36.682 χ^2 /NDF: 14.4/47

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 205.731 $\pm$ 0.054 χ^2 /NDF: 1388562.1/19

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF: 1762454.6/24

Right Out: 187.779 $\pm$ 0.045 χ^2 /NDF: 2437232.7/24

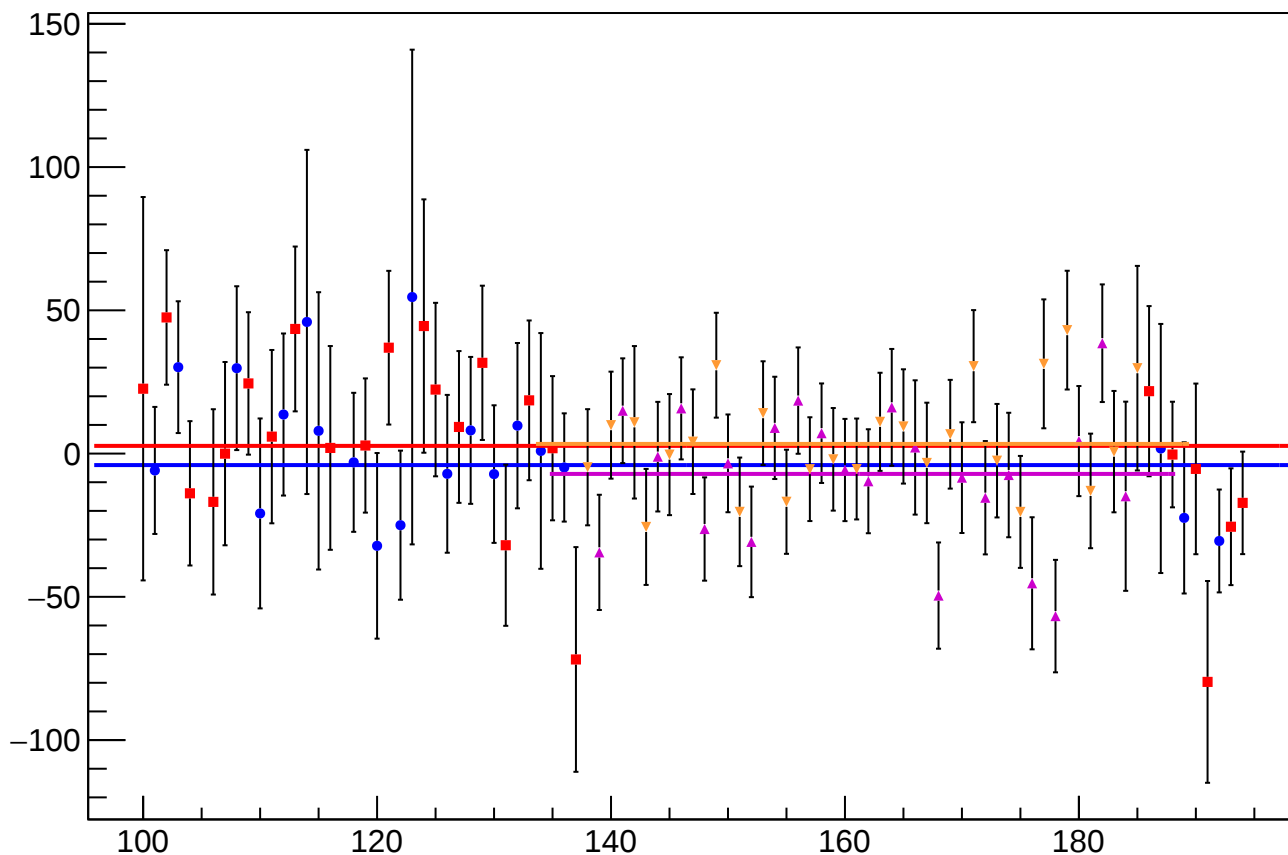
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF: 1589005.4/22

+ sign 200.817 $\pm$ 0.029 χ^2 /NDF: 3162453.8/44

All: 190.857 $\pm$ 0.019 χ^2 /NDF: 7424994.9/92

- sign 182.762 $\pm$ 0.026 χ^2 /NDF: 4045287.5/47

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.015 ± 6.142 χ^2/NDF : 10.1/19

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: 2.688 ± 5.407 χ^2/NDF : 26.1/24

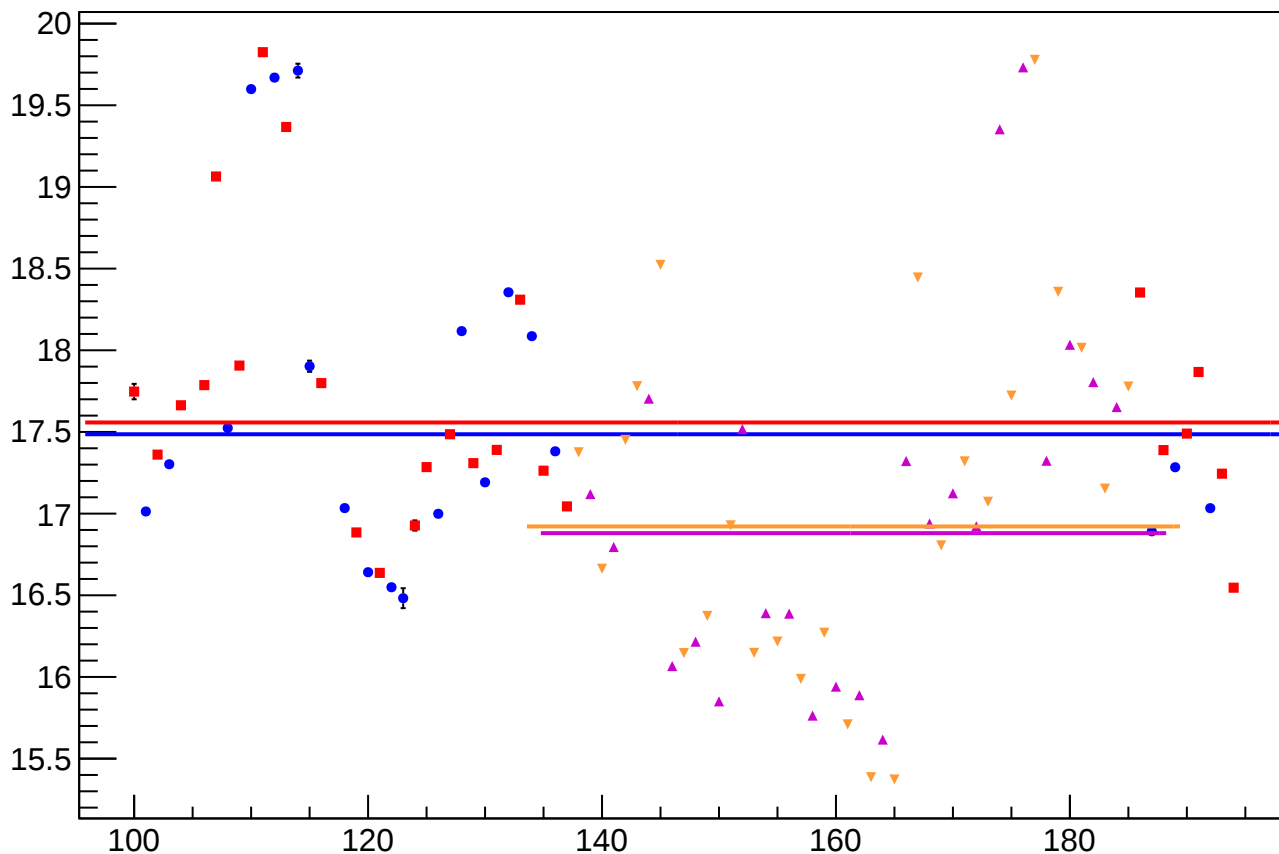
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 1.213 ± 3.320 χ^2/NDF : 29.9/44

All: -1.244 ± 2.319 χ^2/NDF : 91.7/92

- sign -3.585 ± 3.240 χ^2/NDF : 60.7/47

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.486+/-0.004 χ^2/NDF : 35100.4/19

Left Out: 16.921+/-0.003 χ^2/NDF : 138990.4/24

Right Out: 17.558+/-0.004 χ^2/NDF : 39896.4/24

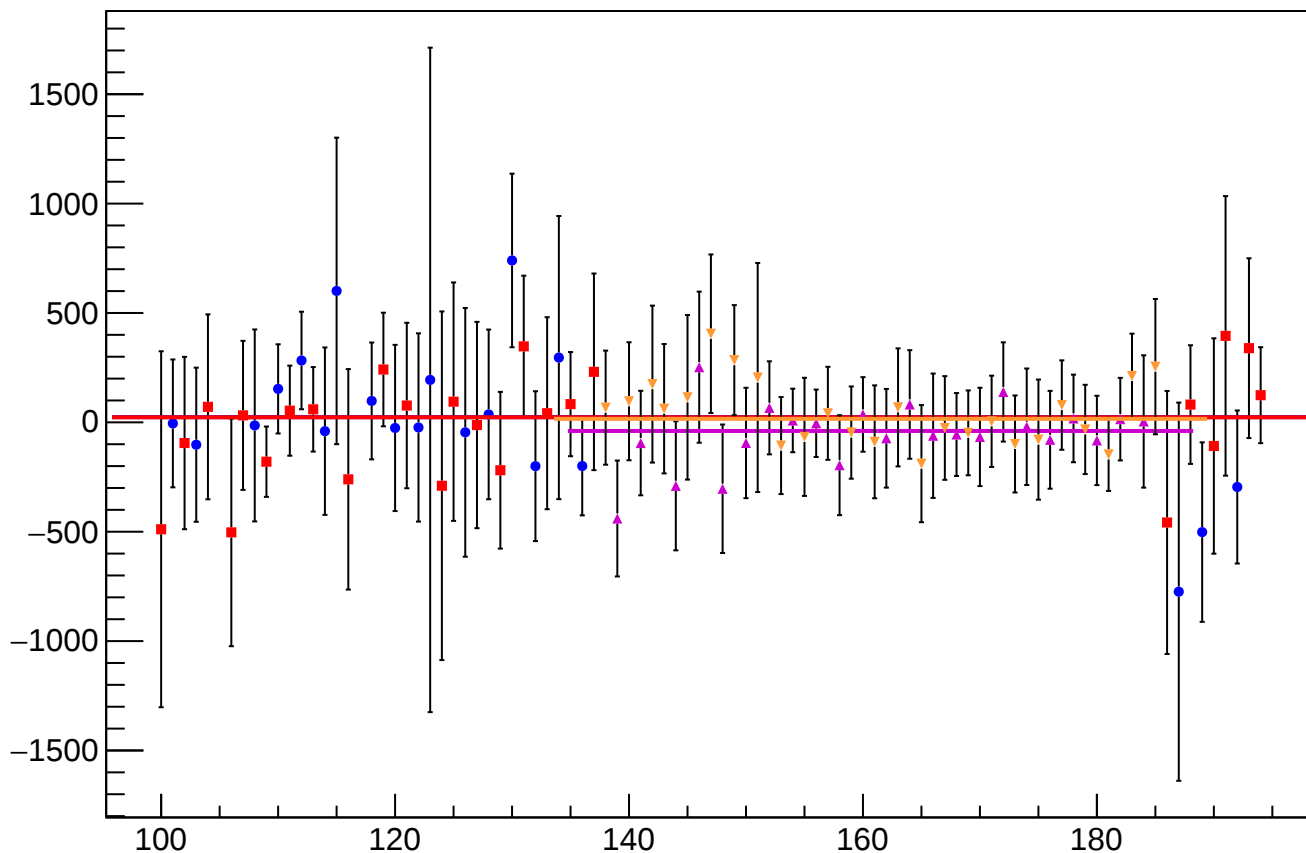
Left In: 16.880+/-0.003 χ^2/NDF : 121736.1/22

+ sign 17.086+/-0.002 χ^2/NDF : 186045.3/44

All: 17.106+/-0.002 χ^2/NDF : 367938.6/92

- sign 17.124+/-0.002 χ^2/NDF : 181763.7/47

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 23.739 $\pm$ 77.404 χ^2 /NDF: 10.9/19

Left Out: 15.970 $\pm$ 48.503 χ^2 /NDF: 7.4/24

Right Out: 23.085 $\pm$ 63.892 χ^2 /NDF: 8.0/24

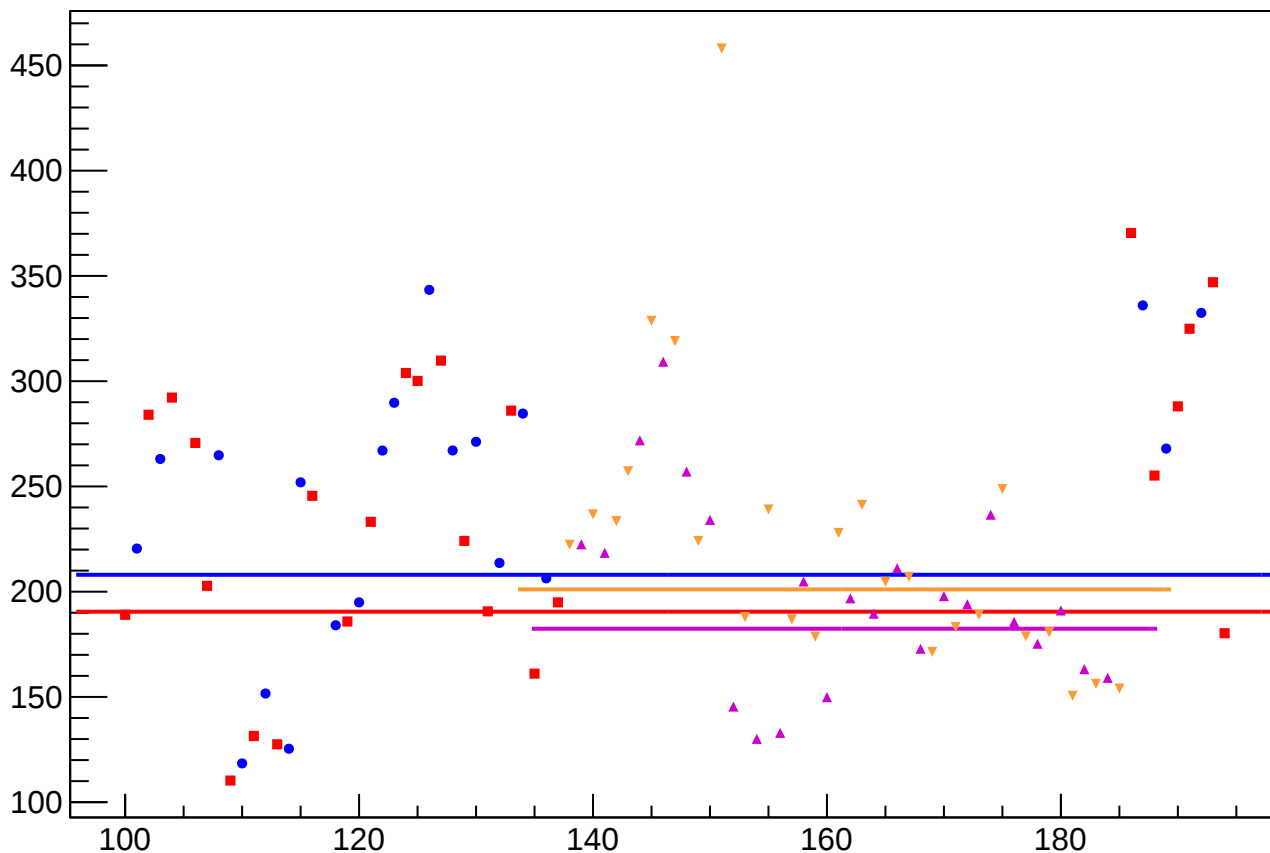
Left In: -39.377 $\pm$ 45.571 χ^2 /NDF: 6.9/22

+ sign 18.160 $\pm$ 41.101 χ^2 /NDF: 18.3/44

All: -1.938 $\pm$ 27.540 χ^2 /NDF: 34.3/92

- sign -18.315 $\pm$ 37.101 χ^2 /NDF: 15.5/47

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 208.027 $\pm$ 0.055 χ^2 /NDF: 1342090.4/19

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 190.491 $\pm$ 0.045 χ^2 /NDF: 2350910.3/24

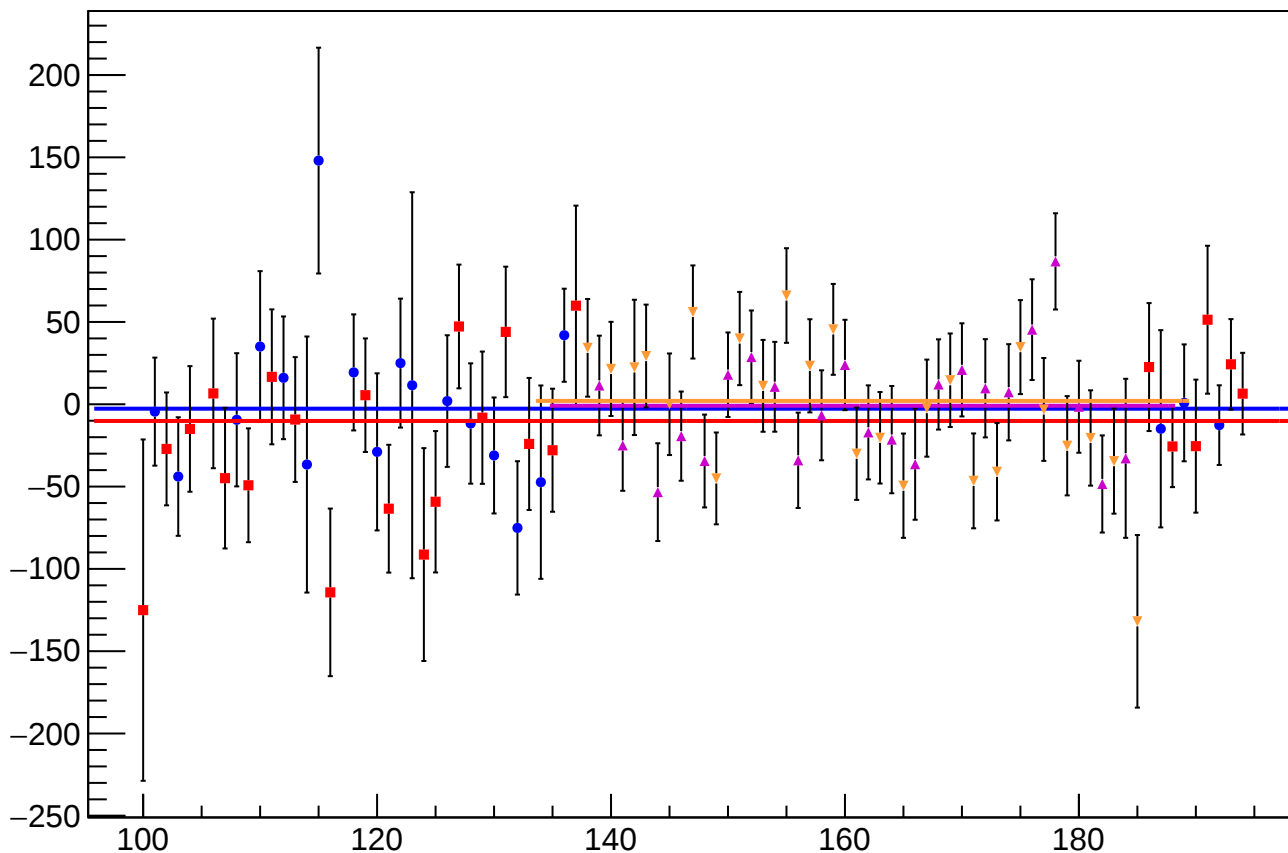
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 203.047 $\pm$ 0.029 χ^2 /NDF: 3084689.9/44

All: 193.172 $\pm$ 0.019 χ^2 /NDF: 7215307.2/92

- sign 185.126 $\pm$ 0.026 χ^2 /NDF: 3921096.4/47

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -2.684 ± 8.783 $\chi^2/\text{NDF}: 15.7/19$

Left Out: 2.054 ± 5.970 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -10.143 ± 7.582 $\chi^2/\text{NDF}: 24.2/24$

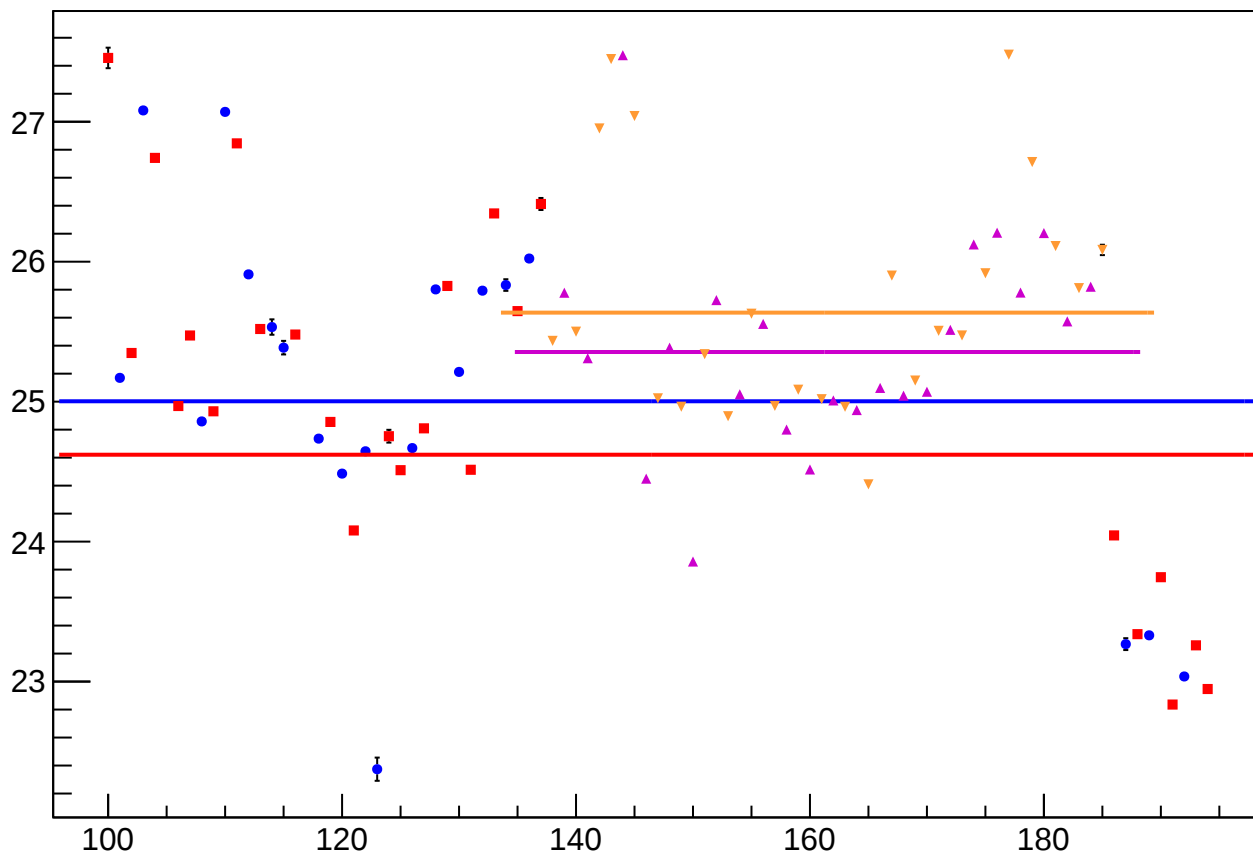
Left In: -0.900 ± 6.069 $\chi^2/\text{NDF}: 27.1/22$

+ sign 0.557 ± 4.938 $\chi^2/\text{NDF}: 55.3/44$

All: -2.081 ± 3.419 $\chi^2/\text{NDF}: 108.0/92$

- sign -4.510 ± 4.738 $\chi^2/\text{NDF}: 52.1/47$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.003 $\pm$ 0.006 χ^2 /NDF: 37913.9/19

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.621 $\pm$ 0.005 χ^2 /NDF: 50488.1/24

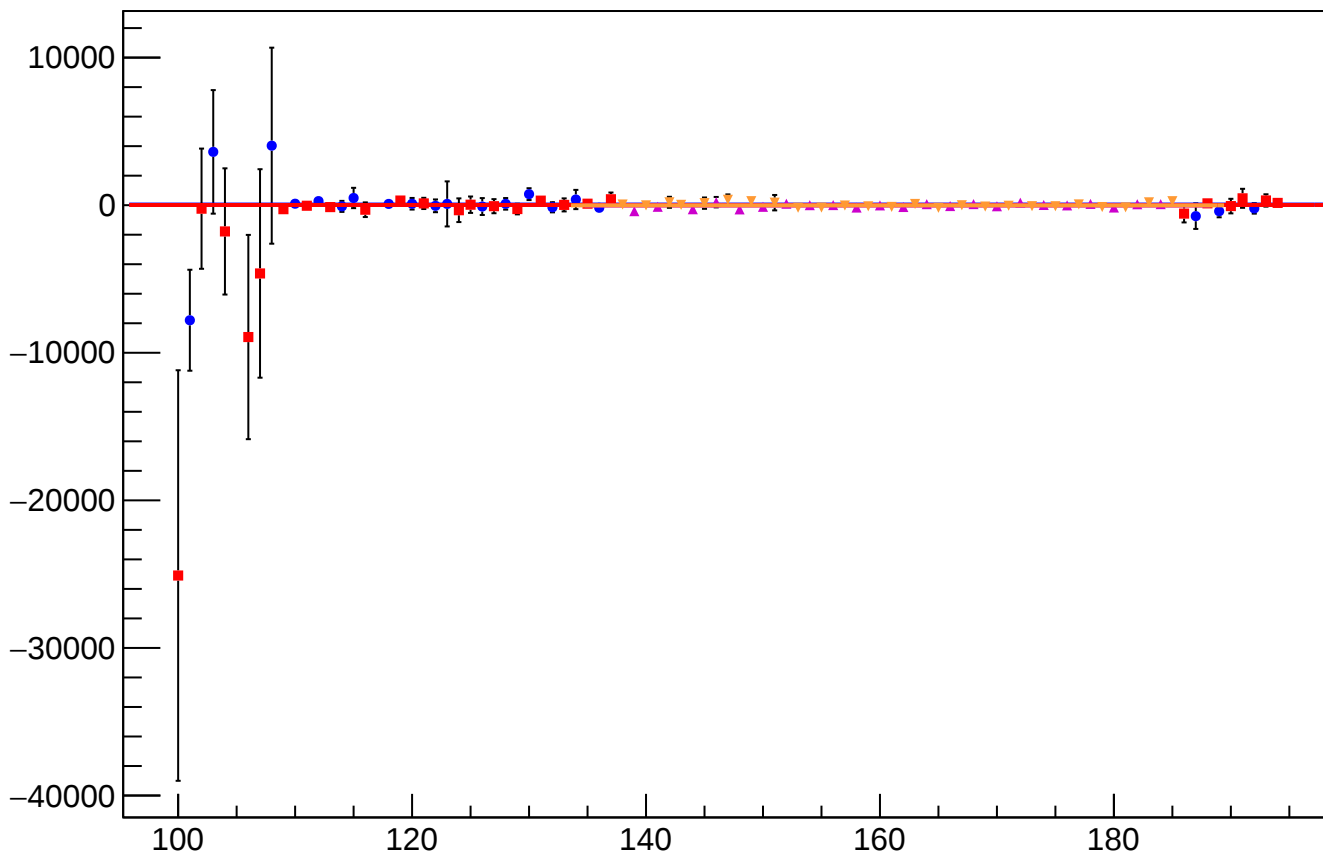
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.436 $\pm$ 0.003 χ^2 /NDF: 80158.5/44

All: 25.244 $\pm$ 0.002 χ^2 /NDF: 177610.9/92

- sign 25.068 $\pm$ 0.003 χ^2 /NDF: 91674.6/47

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 42.429+/-83.853 χ^2/NDF : 15.4/19

Left Out: -12.820+/-48.216 χ^2/NDF : 7.9/24

Right Out: 14.100+/-70.612 χ^2/NDF : 14.7/24

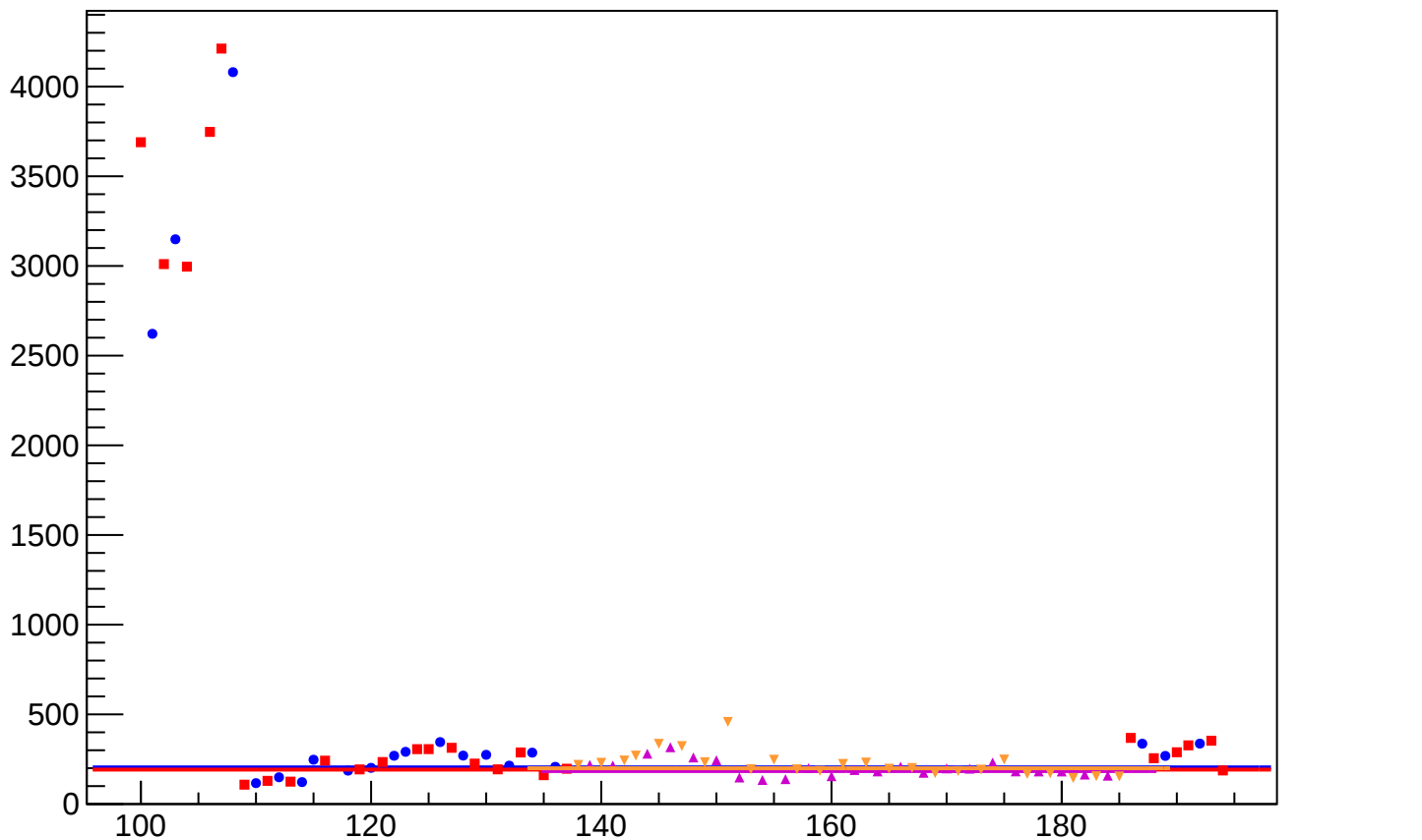
Left In: -26.836+/-45.876 χ^2/NDF : 7.5/22

+ sign 0.908+/-41.799 χ^2/NDF : 23.6/44

All: -7.534+/-28.306 χ^2/NDF : 46.1/92

- sign -14.686+/-38.470 χ^2/NDF : 22.4/47

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 204.388 $\pm$ 0.059 χ^2 /NDF: 3991478.9/19

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF: 1880548.8/24

Right Out: 192.121 $\pm$ 0.050 χ^2 /NDF: 5057435.6/24

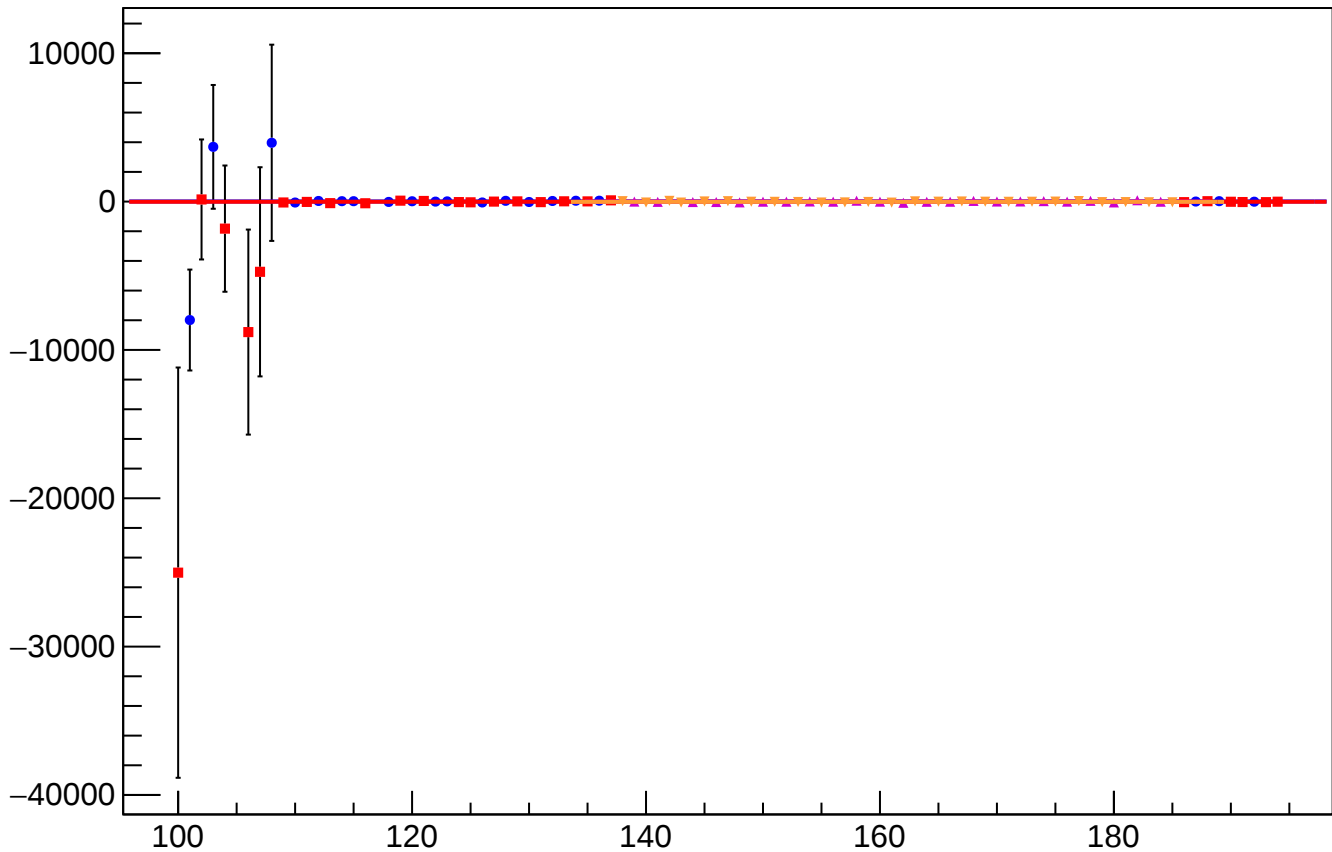
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF: 1423454.3/22

+ sign 200.741 $\pm$ 0.030 χ^2 /NDF: 5877061.0/44

All: 192.995 $\pm$ 0.020 χ^2 /NDF: 12503297.5/92

- sign 186.433 $\pm$ 0.027 χ^2 /NDF: 6499348.7/47

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.168 ± 10.750 $\chi^2/\text{NDF}: 19.5/19$

Left Out: -17.580 ± 6.694 $\chi^2/\text{NDF}: 22.3/24$

Right Out: -11.577 ± 9.472 $\chi^2/\text{NDF}: 26.9/24$

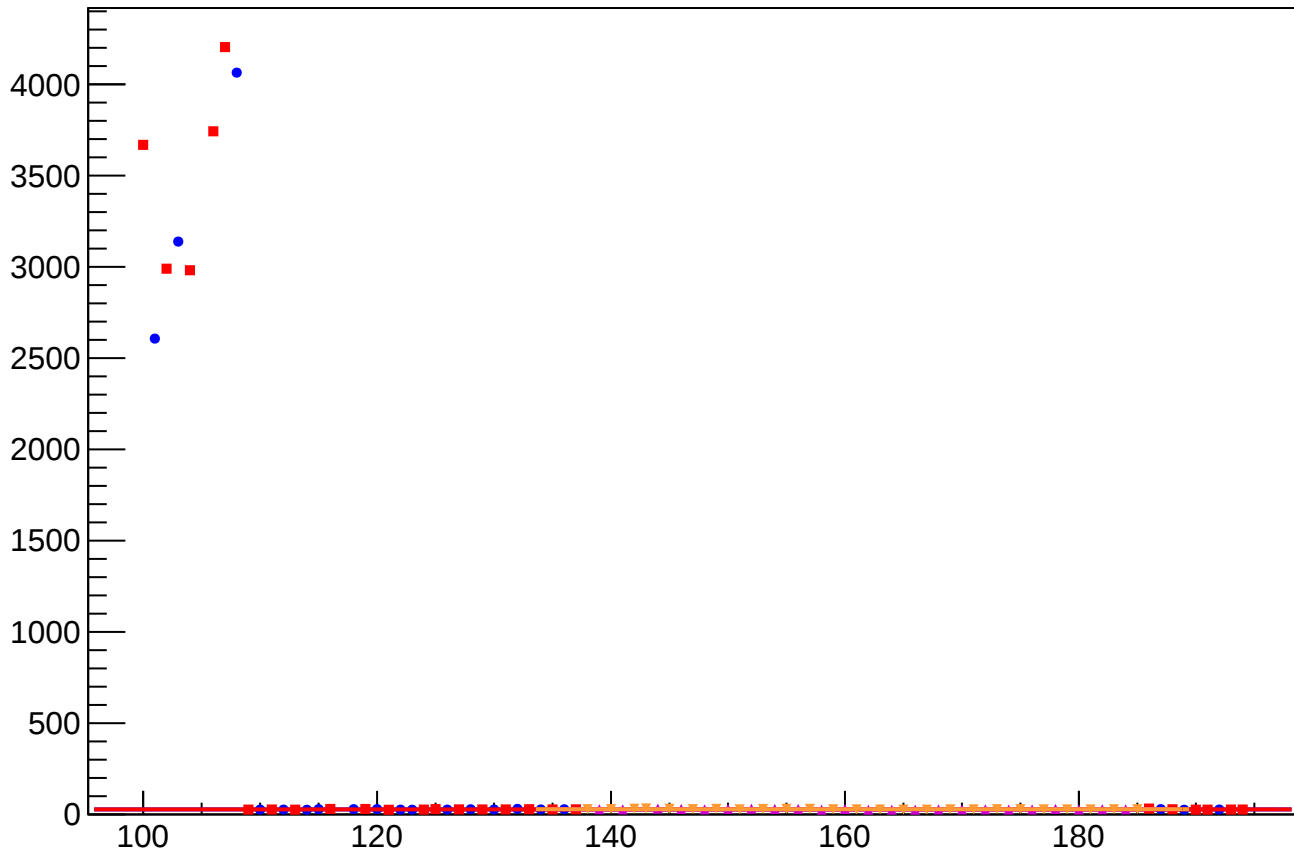
Left In: -1.038 ± 6.880 $\chi^2/\text{NDF}: 32.4/22$

+ sign -10.107 ± 5.682 $\chi^2/\text{NDF}: 46.3/44$

All: -7.336 ± 3.976 $\chi^2/\text{NDF}: 106.9/92$

- sign -4.678 ± 5.567 $\chi^2/\text{NDF}: 60.2/47$

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.622 $\pm$ 0.008 χ^2 /NDF: 3034137.4/19

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.638 $\pm$ 0.007 χ^2 /NDF: 3499117.0/24

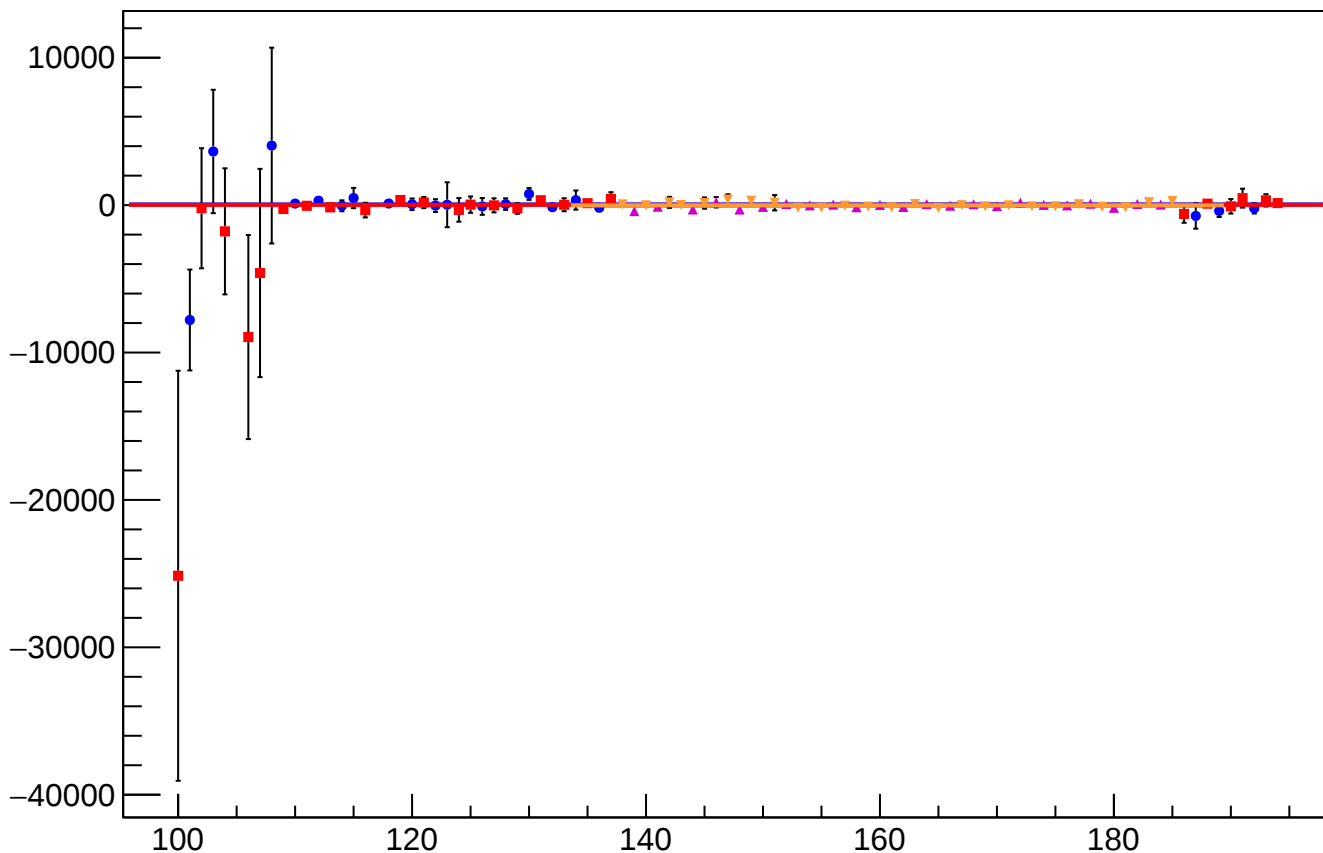
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.392 $\pm$ 0.004 χ^2 /NDF: 3158867.2/44

All: 28.353 $\pm$ 0.003 χ^2 /NDF: 6798530.0/92

- sign 28.315 $\pm$ 0.004 χ^2 /NDF: 3639477.1/47

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 48.297 $\pm$ 83.603 χ^2 /NDF: 15.6/19

Left Out: -15.483 $\pm$ 48.109 χ^2 /NDF:8.7/24

Right Out: 17.625 $\pm$ 70.418 χ^2 /NDF: 15.4/24

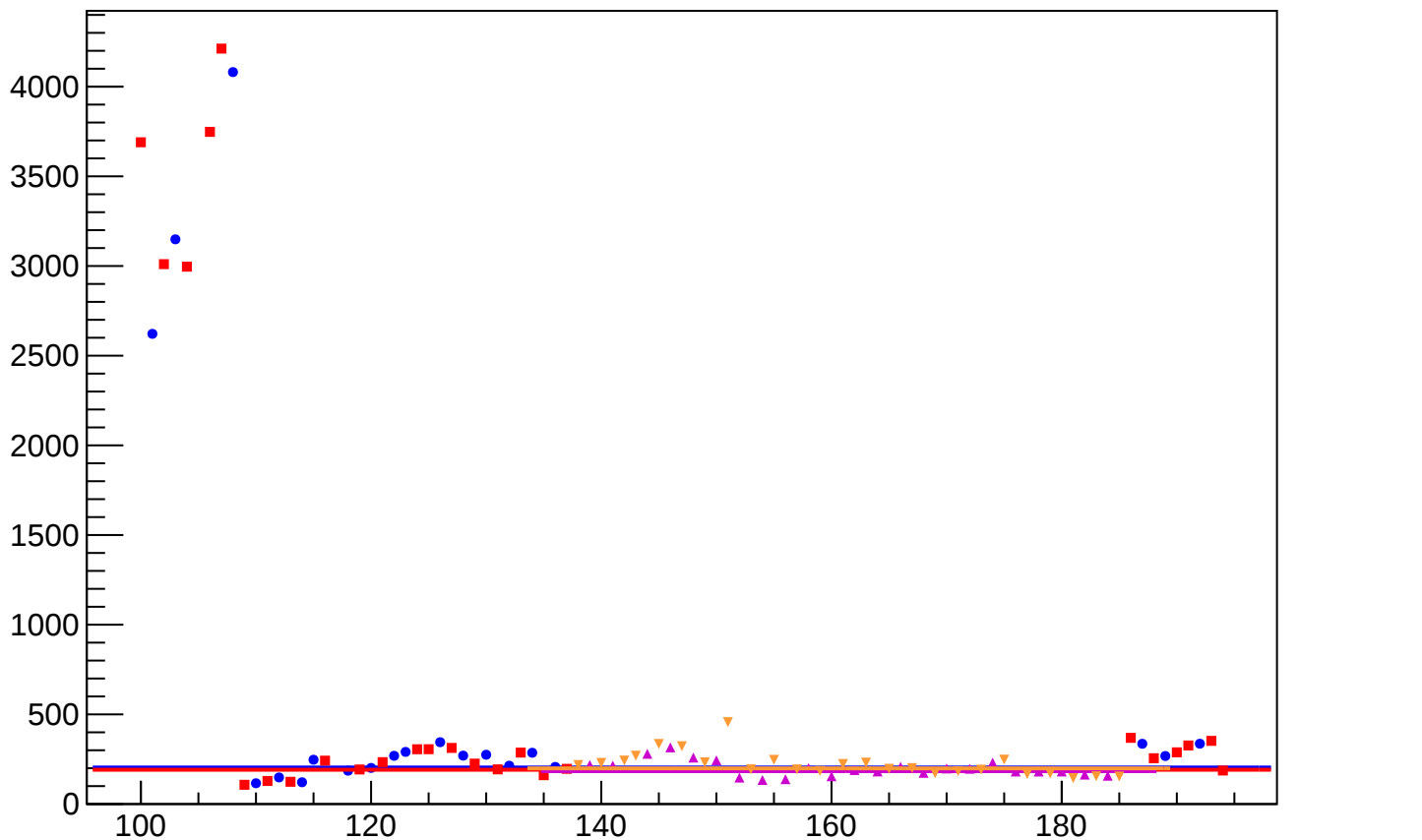
Left In: -27.009 $\pm$ 45.785 χ^2 /NDF:7.8/22

+ sign 0.383 $\pm$ 41.698 χ^2 /NDF: 24.7/44

All: -7.266 $\pm$ 28.241 χ^2 /NDF: 48.2/92

- sign -13.747 $\pm$ 38.385 χ^2 /NDF: 23.5/47

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 203.660 $\pm$ 0.059 χ^2 /NDF: 4006099.3/19

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 191.483 $\pm$ 0.050 χ^2 /NDF: 5075595.6/24

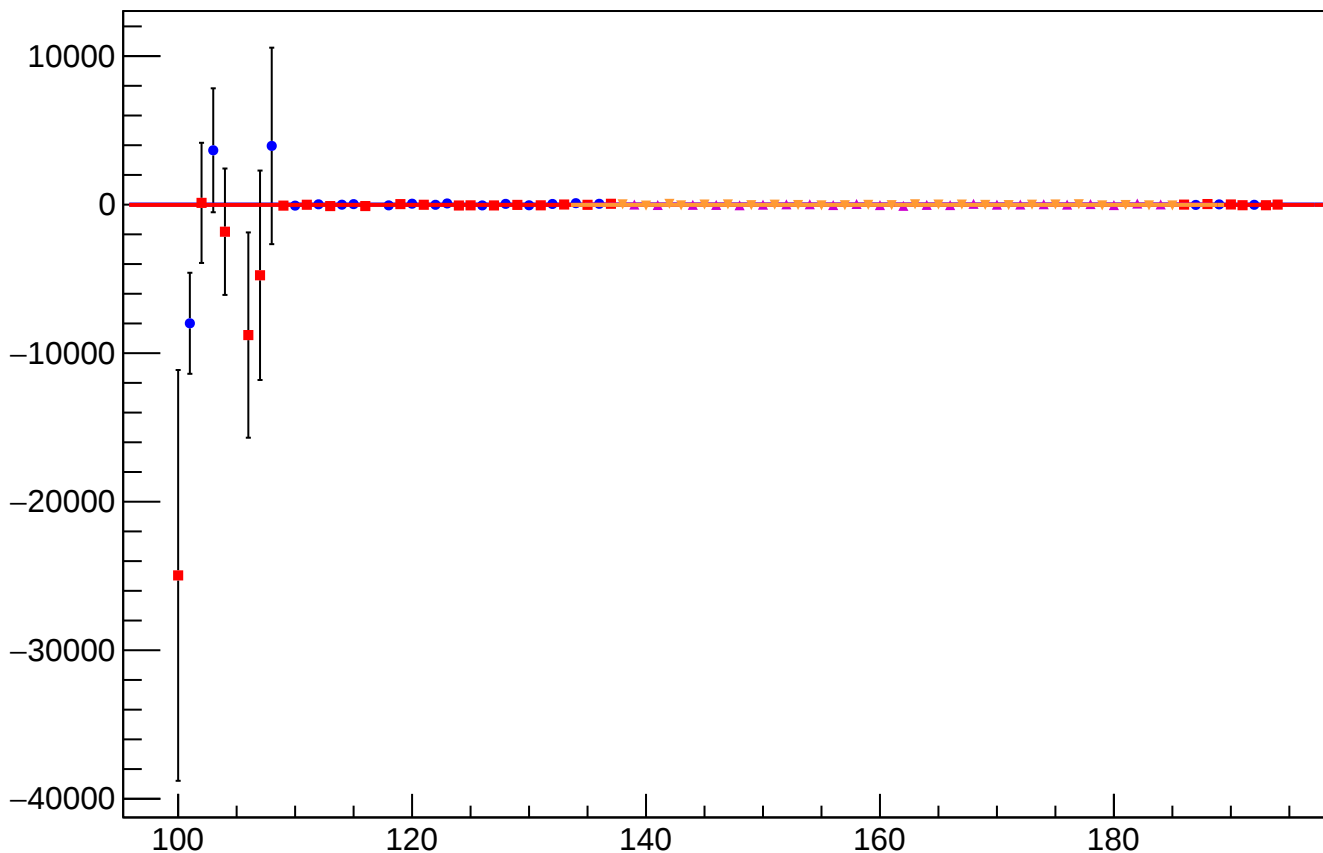
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 200.230 $\pm$ 0.029 χ^2 /NDF: 5890925.3/44

All: 192.522 $\pm$ 0.020 χ^2 /NDF: 12532997.8/92

- sign 185.990 $\pm$ 0.027 χ^2 /NDF: 6515810.7/47

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 5.379+/-10.802 χ^2 /NDF: 23.4/19

Left Out: -15.006+/-6.723 χ^2 /NDF: 17.5/24

Right Out: -16.750+/-9.508 χ^2 /NDF: 22.6/24

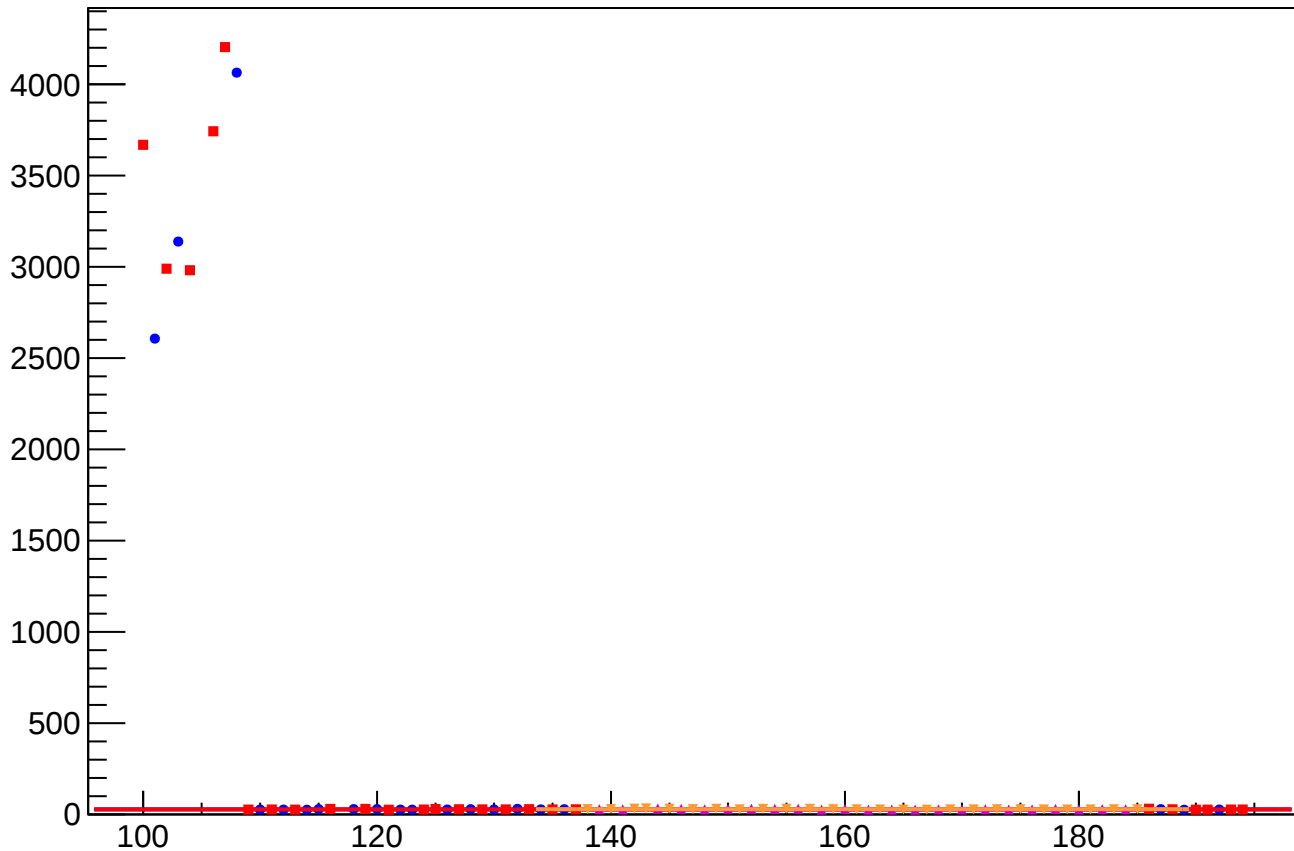
Left In: 0.702+/-6.909 χ^2 /NDF: 26.4/22

+ sign -9.314+/-5.708 χ^2 /NDF: 43.4/44

All: -7.279+/-3.994 χ^2 /NDF: 94.8/92

- sign -5.328+/-5.589 χ^2 /NDF: 51.1/47

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.750 $\pm$ 0.008 χ^2 /NDF: 3036416.2/19

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.745 $\pm$ 0.007 χ^2 /NDF: 3497319.8/24

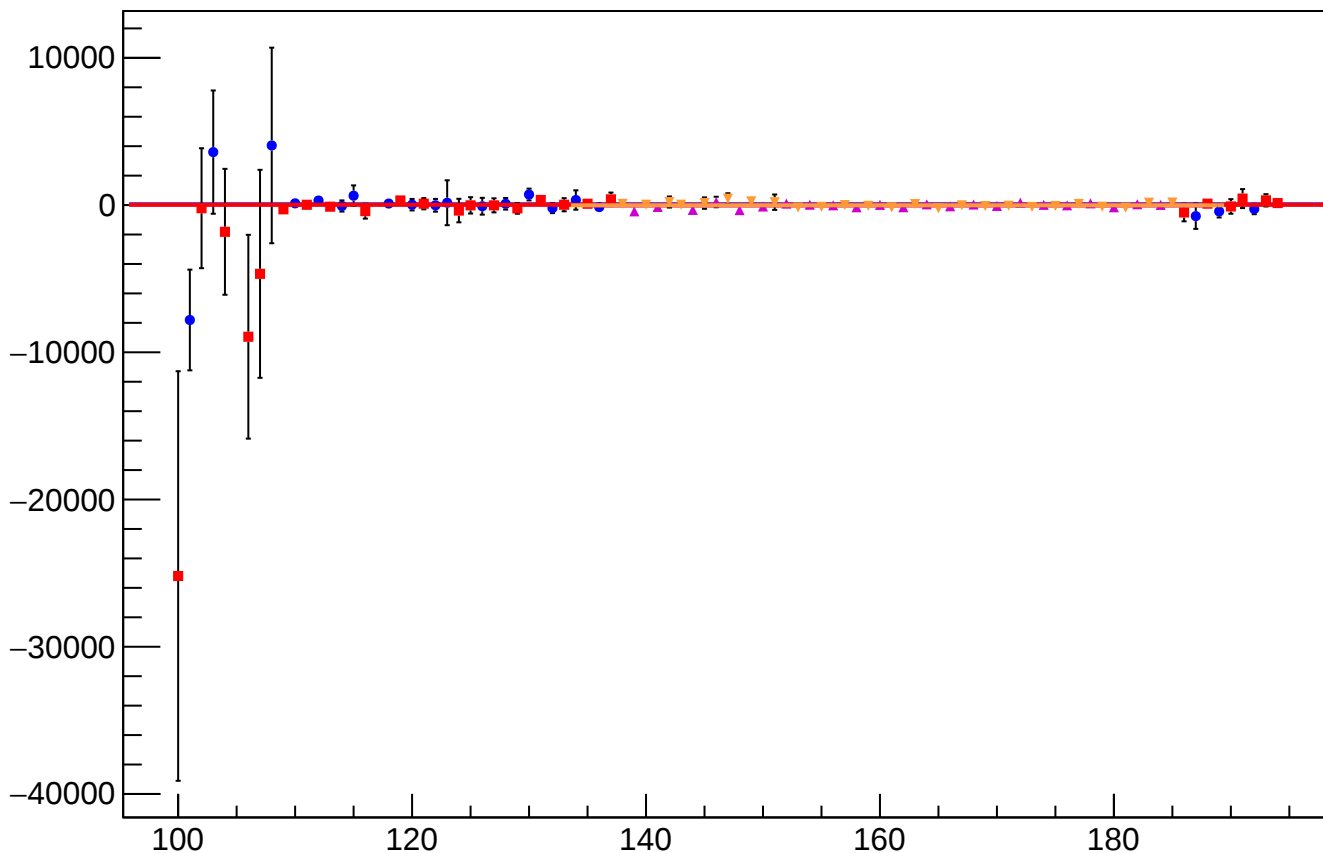
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.516 $\pm$ 0.004 χ^2 /NDF: 3172335.3/44

All: 28.472 $\pm$ 0.003 χ^2 /NDF: 6815155.1/92

- sign 28.431 $\pm$ 0.004 χ^2 /NDF: 3642591.0/47

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 48.720+/-84.529 χ^2/NDF : 15.9/19

Left Out: -15.548+/-48.688 χ^2/NDF : 8.0/24

Right Out: 19.316+/-71.171 χ^2/NDF : 14.5/24

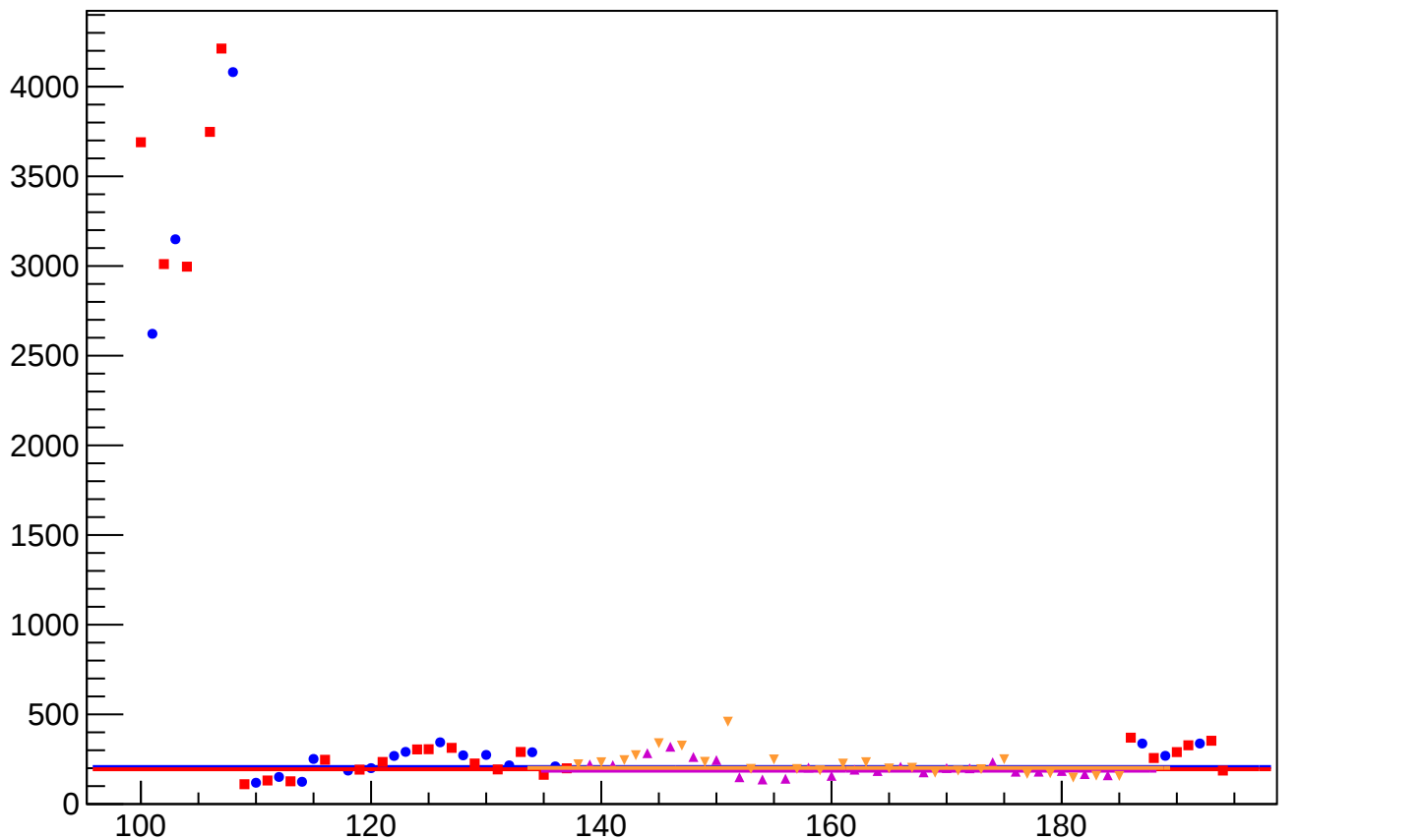
Left In: -31.170+/-46.359 χ^2/NDF : 8.2/22

+ sign 0.462+/-42.190 χ^2/NDF : 24.3/44

All: -8.518+/-28.577 χ^2/NDF : 47.4/92

- sign -16.130+/-38.845 χ^2/NDF : 23.0/47

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 206.426 $\pm$ 0.060 χ^2 /NDF: 3944478.6/19

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF: 1857453.2/24

Right Out: 194.082 $\pm$ 0.050 χ^2 /NDF: 4994643.5/24

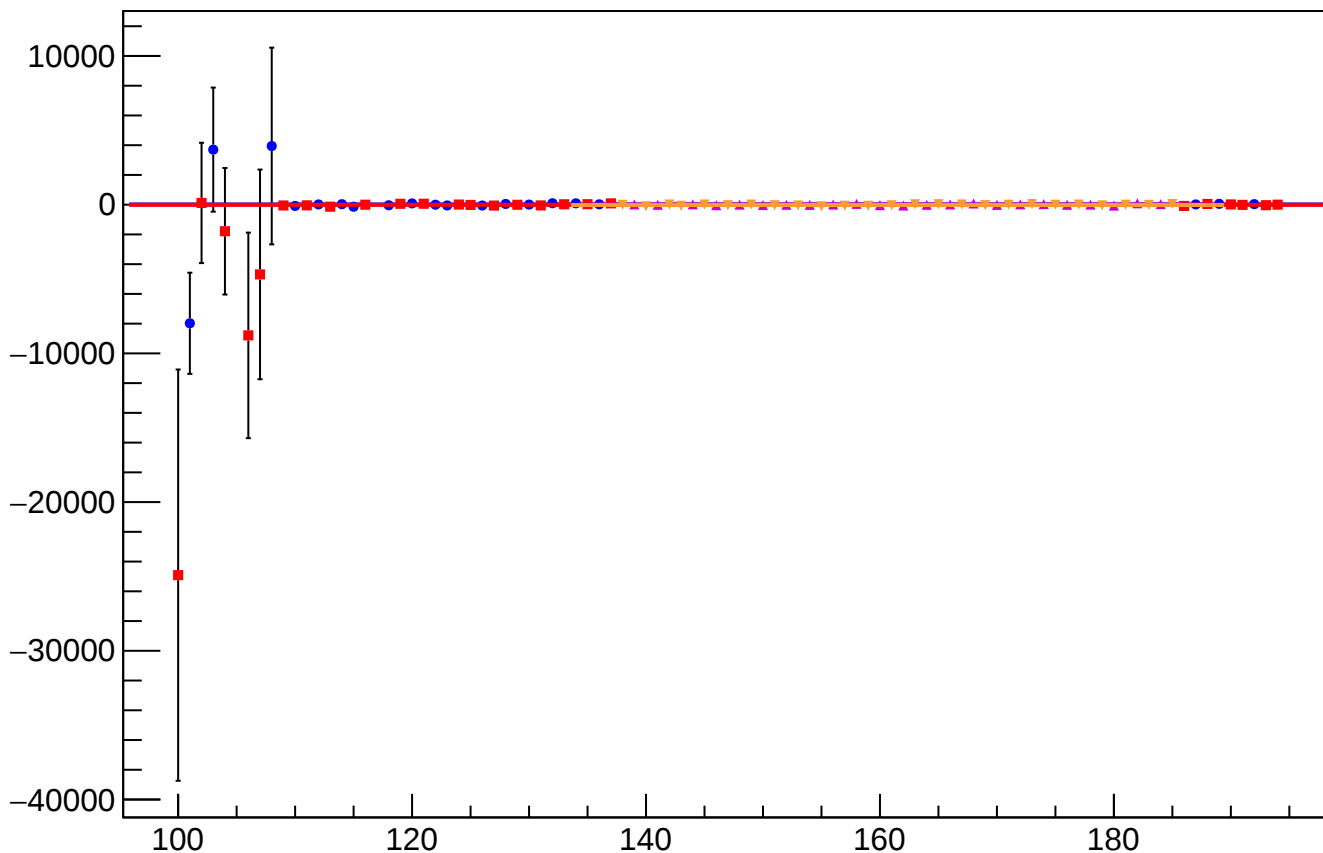
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF: 1391327.2/22

+ sign 202.802 $\pm$ 0.030 χ^2 /NDF: 5806827.3/44

All: 195.052 $\pm$ 0.020 χ^2 /NDF: 12335122.7/92

- sign 188.483 $\pm$ 0.027 χ^2 /NDF: 6403602.0/47

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 14.831+/-13.191 χ^2/NDF : 21.5/19

Left Out: -23.360+/-8.064 χ^2/NDF : 25.8/24

Right Out: -7.679+/-11.579 χ^2/NDF : 26.2/24

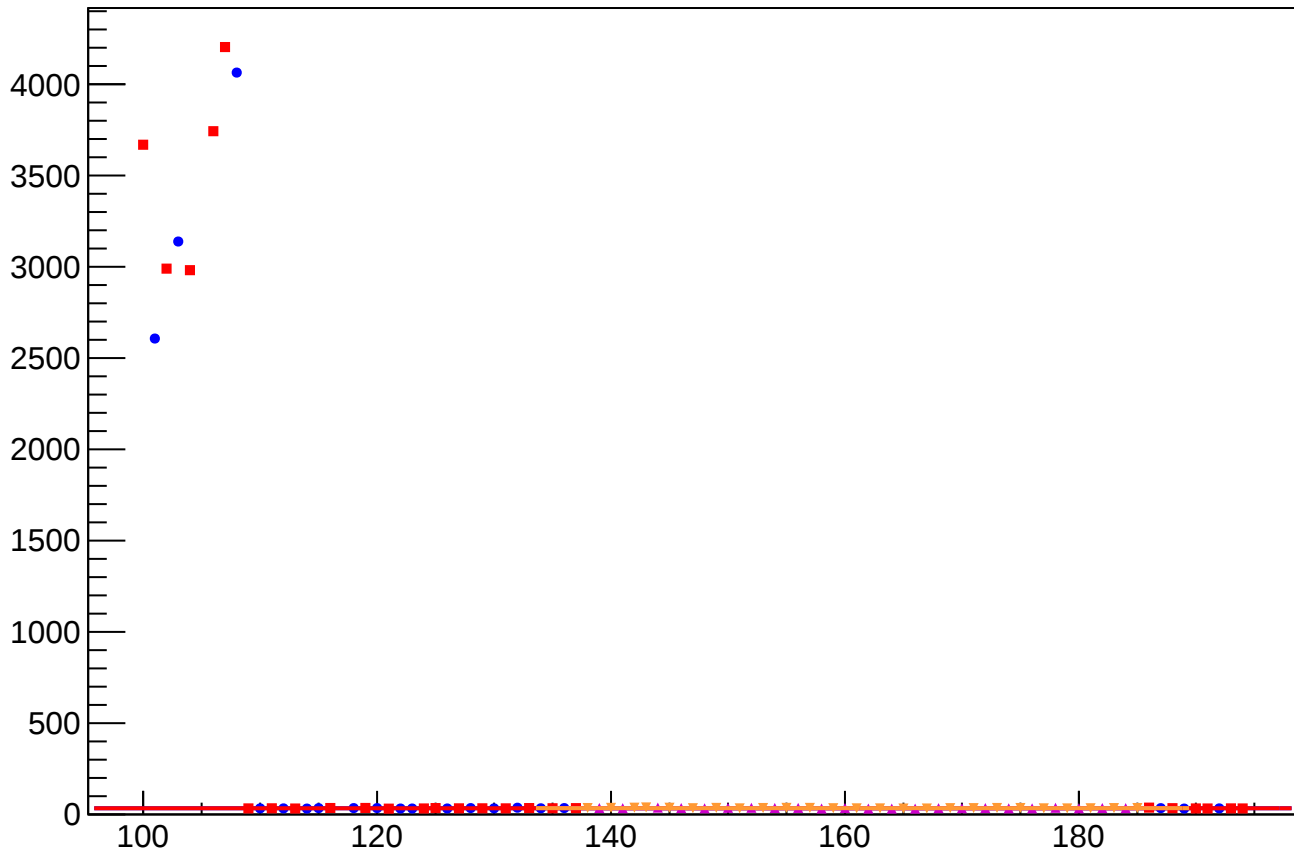
Left In: 6.001+/-8.309 χ^2/NDF : 21.1/22

+ sign -12.969+/-6.880 χ^2/NDF : 53.5/44

All: -5.673+/-4.819 χ^2/NDF : 104.0/92

- sign 1.351+/-6.751 χ^2/NDF : 48.3/47

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.927 $\pm$ 0.009 χ^2 /NDF: 3010247.9/19

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.854 $\pm$ 0.008 χ^2 /NDF: 3462153.2/24

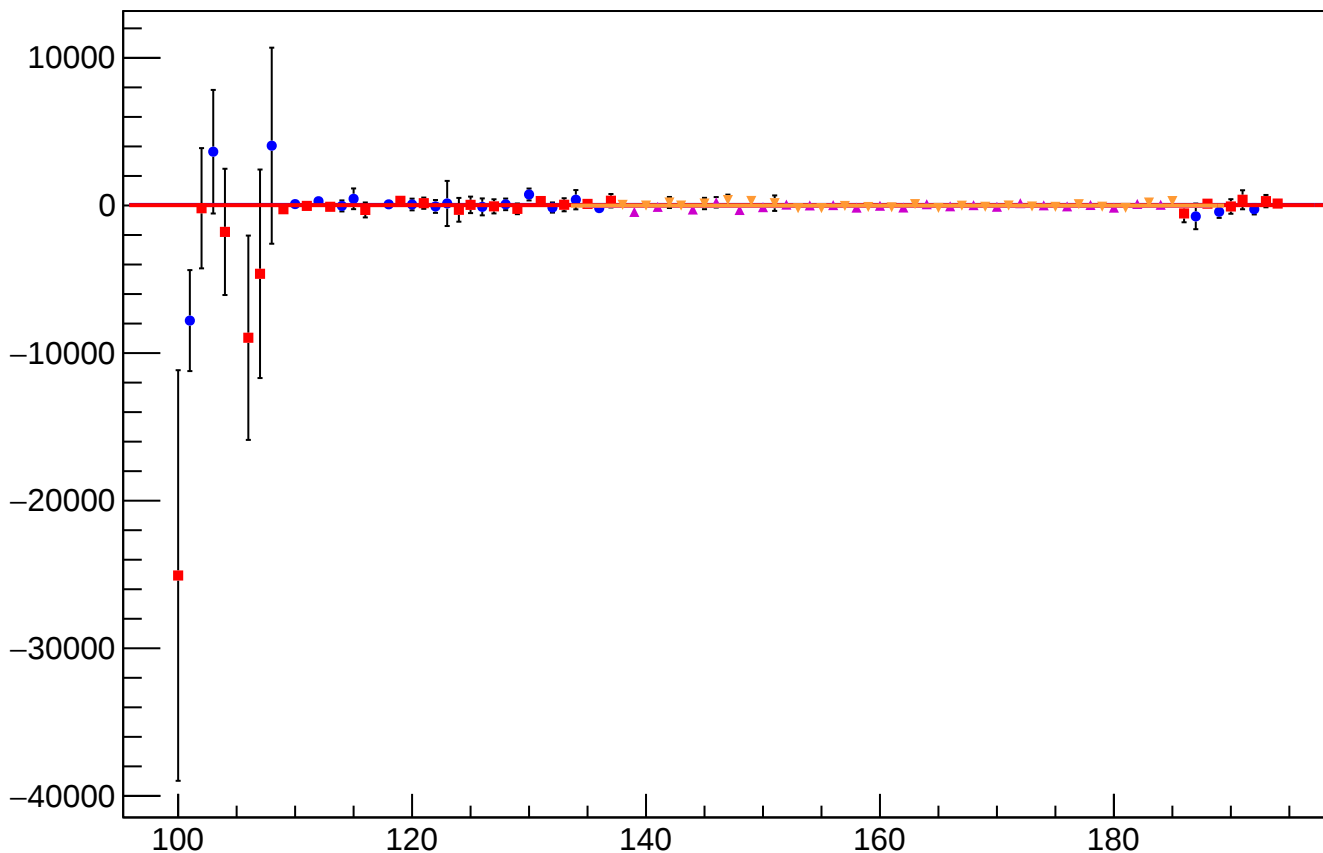
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.427 $\pm$ 0.005 χ^2 /NDF: 3072149.4/44

All: 34.415 $\pm$ 0.003 χ^2 /NDF: 6601438.7/92

- sign 34.402 $\pm$ 0.005 χ^2 /NDF: 3529276.0/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 38.540 $\pm$ 84.133 χ^2 /NDF: 15.6/19

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: 21.468 $\pm$ 70.805 χ^2 /NDF: 13.2/24

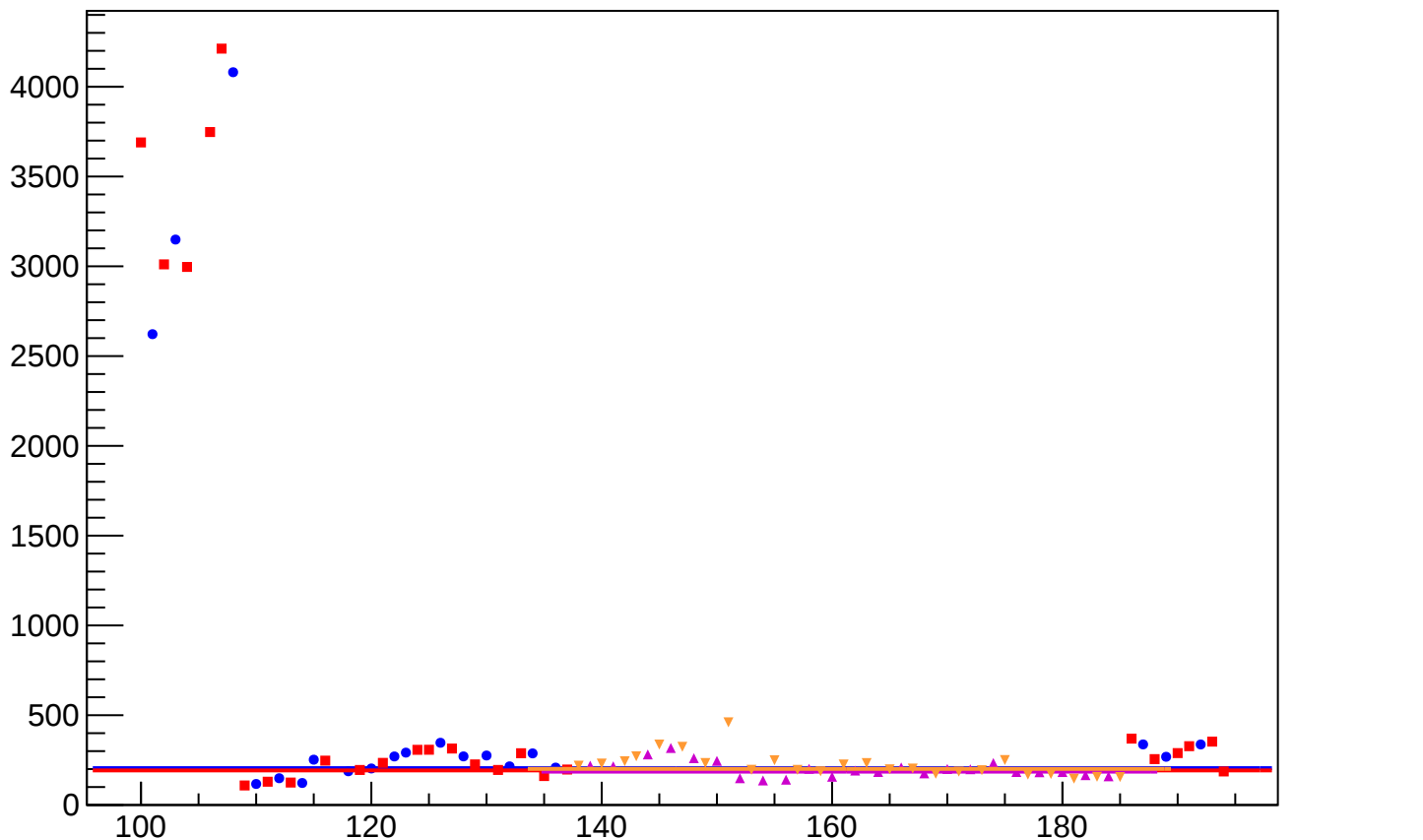
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign 2.962 $\pm$ 42.093 χ^2 /NDF: 24.4/44

All: -8.102 $\pm$ 28.508 χ^2 /NDF: 45.7/92

- sign -17.477 $\pm$ 38.748 χ^2 /NDF: 21.1/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 205.105 $\pm$ 0.059 χ^2 /NDF: 3989373.5/19

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF: 1851134.1/24

Right Out: 192.687 $\pm$ 0.050 χ^2 /NDF: 5054641.8/24

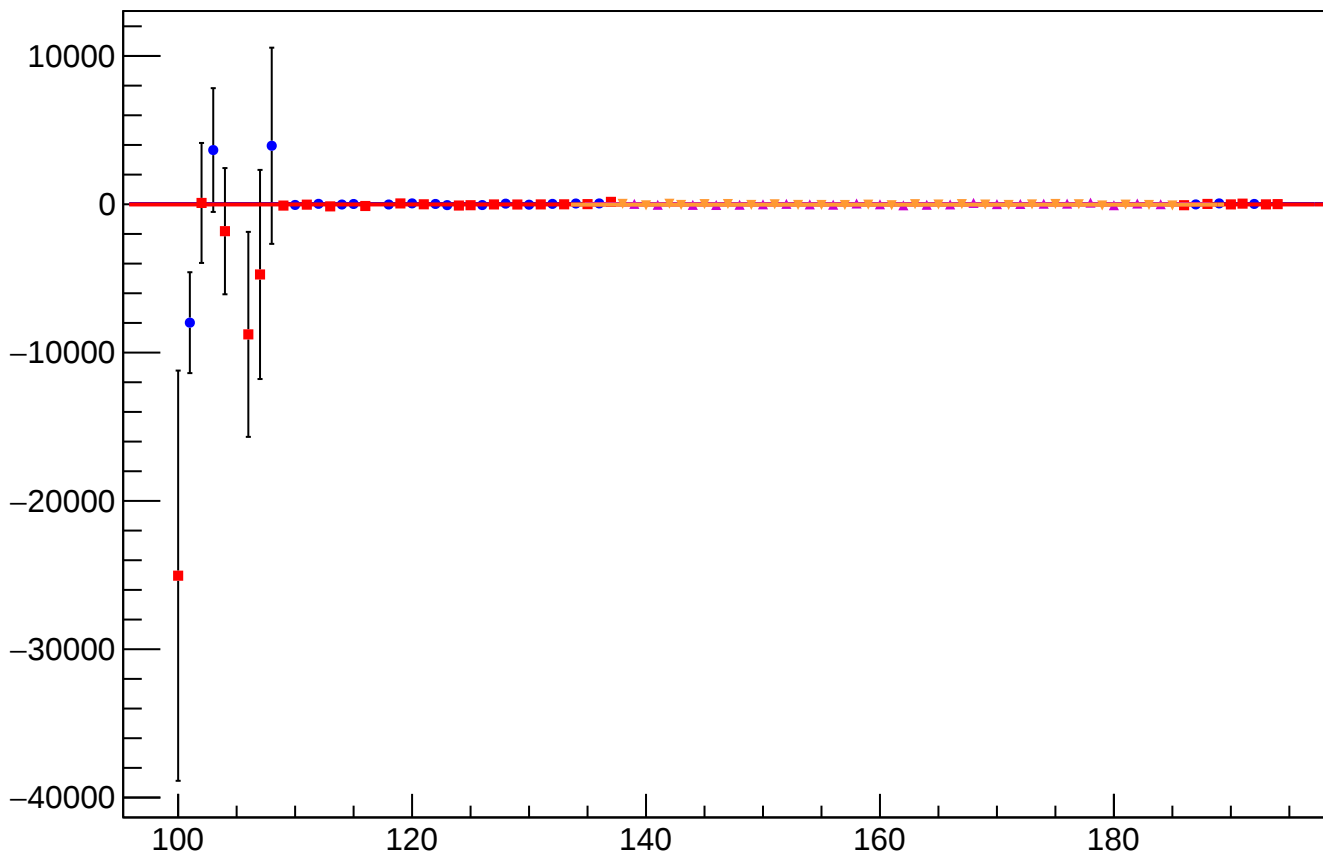
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF: 1381771.9/22

+ sign 202.250 $\pm$ 0.030 χ^2 /NDF: 5843581.0/44

All: 194.482 $\pm$ 0.020 χ^2 /NDF: 12418854.8/92

- sign 187.900 $\pm$ 0.027 χ^2 /NDF: 6449463.6/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 16.844+/-11.969 χ^2/NDF : 15.7/19

Left Out: -22.879+/-7.340 χ^2/NDF : 18.8/24

Right Out: -11.229+/-10.510 χ^2/NDF : 31.8/24

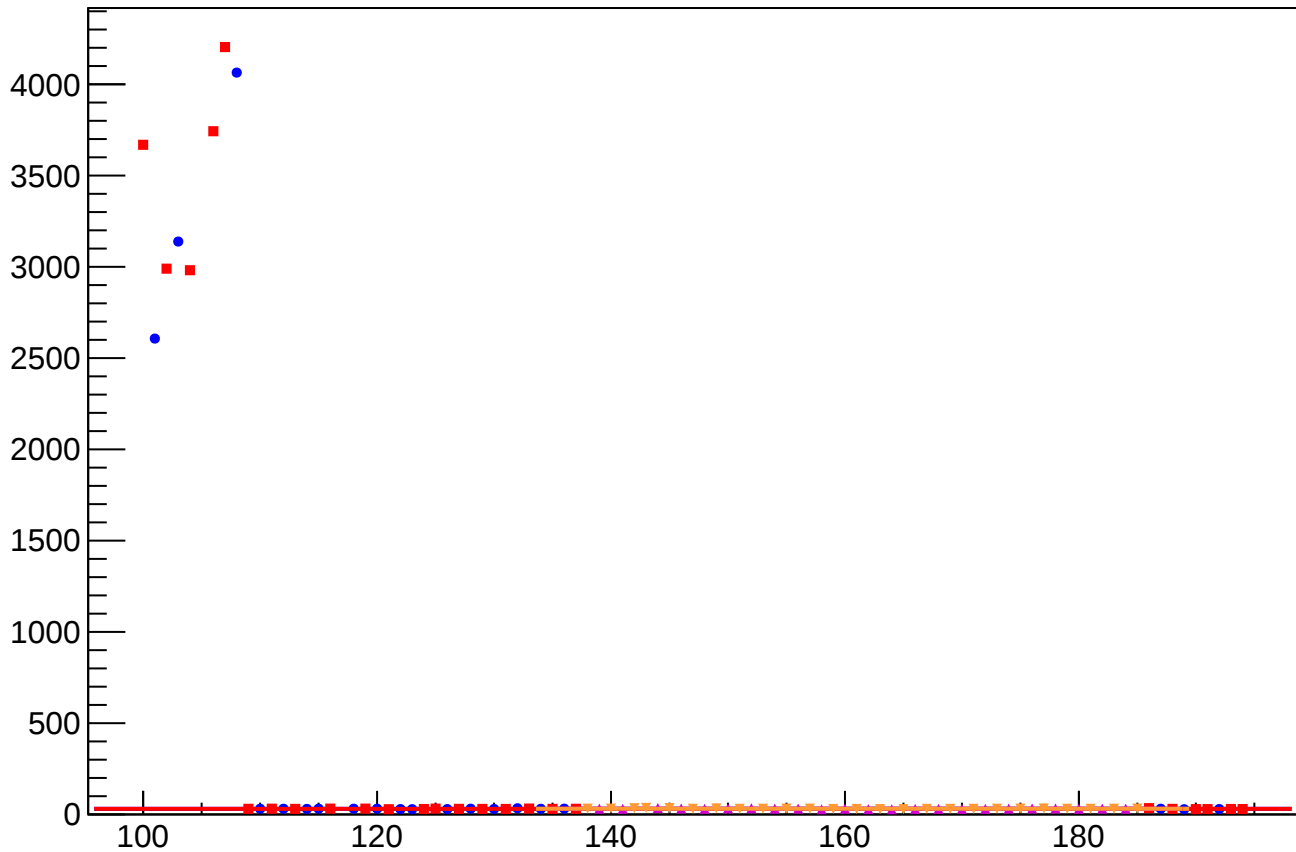
Left In: 5.943+/-7.550 χ^2/NDF : 38.3/22

+ sign -12.022+/-6.257 χ^2/NDF : 42.4/44

All: -5.839+/-4.379 χ^2/NDF : 116.3/92

- sign 0.099+/-6.132 χ^2/NDF : 71.9/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.774 $\pm$ 0.008 χ^2 /NDF: 3023256.9/19

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.698 $\pm$ 0.007 χ^2 /NDF: 3475550.5/24

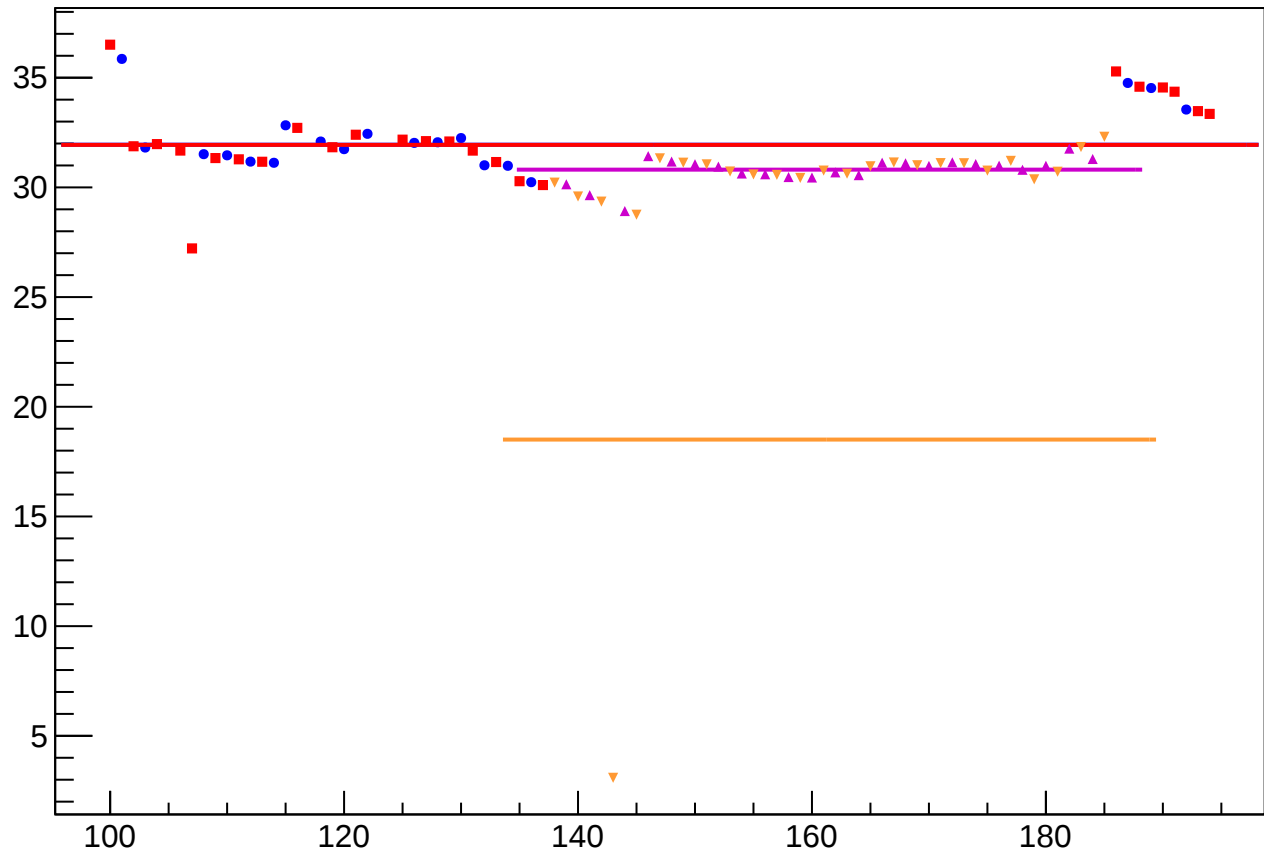
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.288 $\pm$ 0.004 χ^2 /NDF: 3110779.1/44

All: 31.252 $\pm$ 0.003 χ^2 /NDF: 6681835.1/92

- sign 31.217 $\pm$ 0.004 χ^2 /NDF: 3570922.6/47

yield_usl_mean vs Slug



Right In: 31.946 $\pm$ 0.000 χ^2 /NDF: 1885984903.7/18

Left Out: 18.505 $\pm$ 0.000 χ^2 /NDF: 940607632746.3/24

Right Out: 31.939 $\pm$ 0.000 χ^2 /NDF: 1819225957.2/23

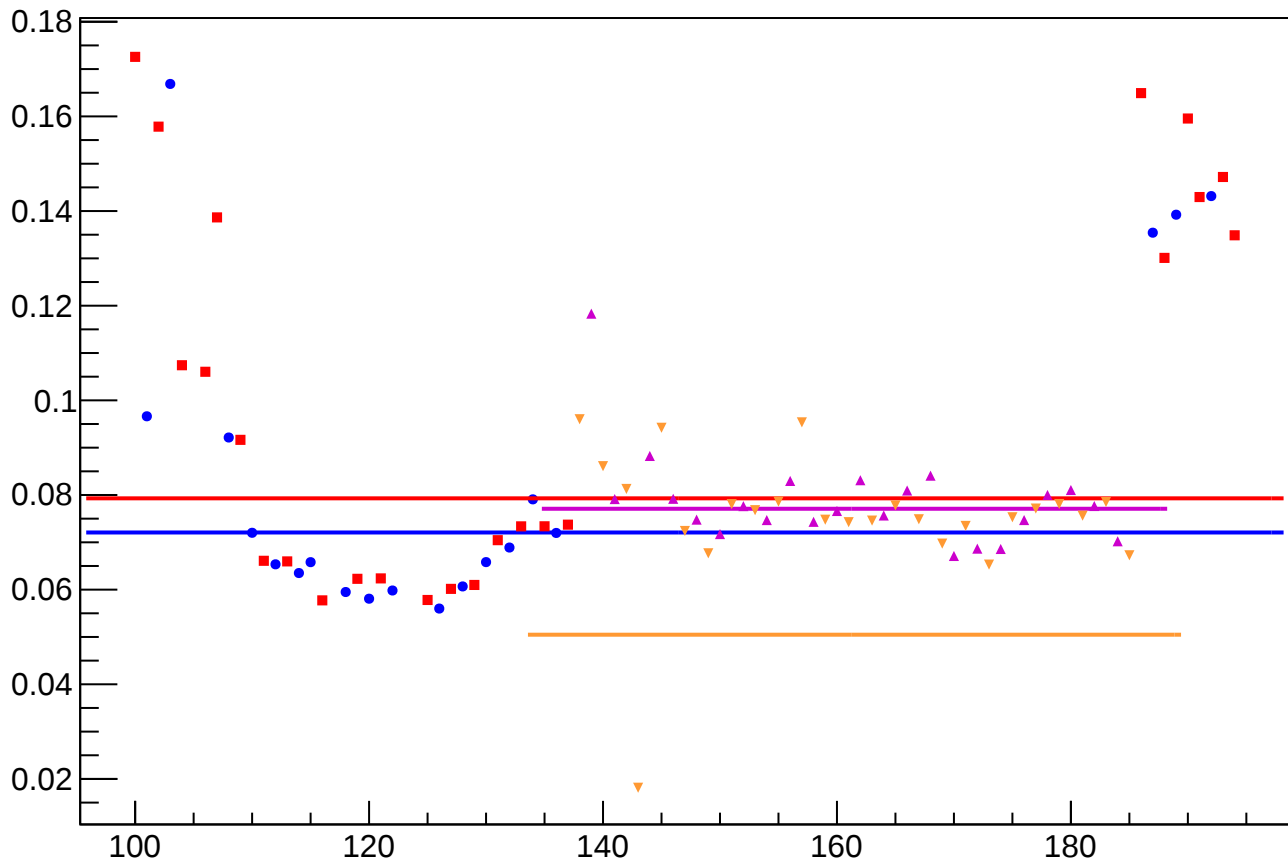
Left In: 30.809 $\pm$ 0.000 χ^2 /NDF: 821961762.3/22

+ sign 21.324 $\pm$ 0.000 χ^2 /NDF: 1130450589636.4/4

All: 25.177 $\pm$ 0.000 χ^2 /NDF: 1372798098372

- sign 31.190 $\pm$ 0.000 χ^2 /NDF: 3787572493.3/46

yield_usl_rms vs Slug



Right In: 0.072 $\pm$ 0.000 χ^2 /NDF: 1369908.1/18

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF: 8543648.6/24

Right Out: 0.079 $\pm$ 0.000 χ^2 /NDF: 2346558.8/23

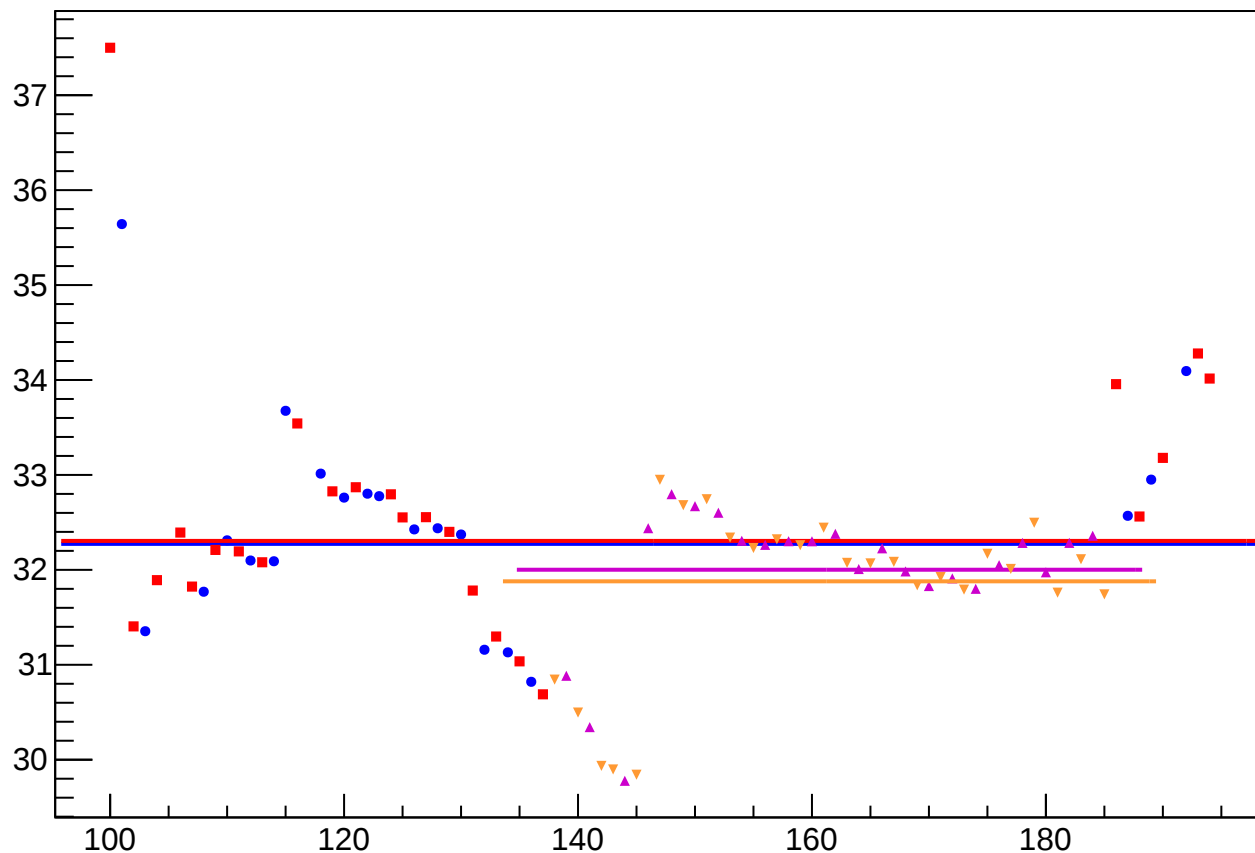
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF: 325844.3/22

+ sign 0.055 $\pm$ 0.000 χ^2 /NDF: 10884356.3/43

All: 0.064 $\pm$ 0.000 χ^2 /NDF: 16119221.7/90

- sign 0.078 $\pm$ 0.000 χ^2 /NDF: 2681122.9/46

yield_usr_mean vs Slug



Right In: 32.274+/-0.000 χ^2/NDF : 1103202748.0/19

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.305+/-0.000 χ^2/NDF : 648421435.7/23

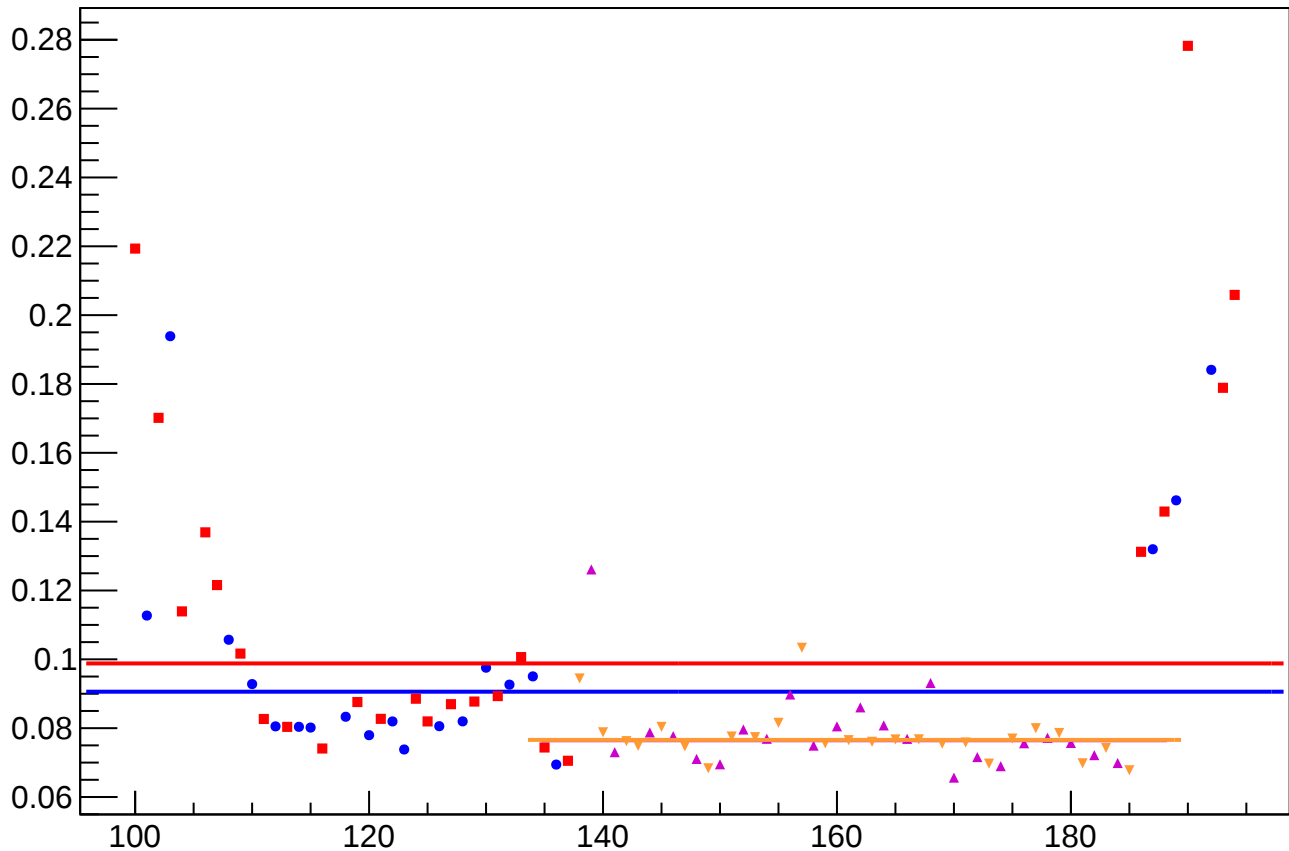
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 31.968+/-0.000 χ^2/NDF : 3180358220.2/44

All: 32.021+/-0.000 χ^2/NDF : 5321575240.0/9

- sign 32.074+/-0.000 χ^2/NDF : 2120473938.1/46

yield_usr_rms vs Slug



Right In: 0.091+/-0.000 χ^2/NDF : 1186540.1/19

Left Out: 0.077+/-0.000 χ^2/NDF : 209648.5/24

Right Out: 0.099+/-0.000 χ^2/NDF : 1886222.0/23

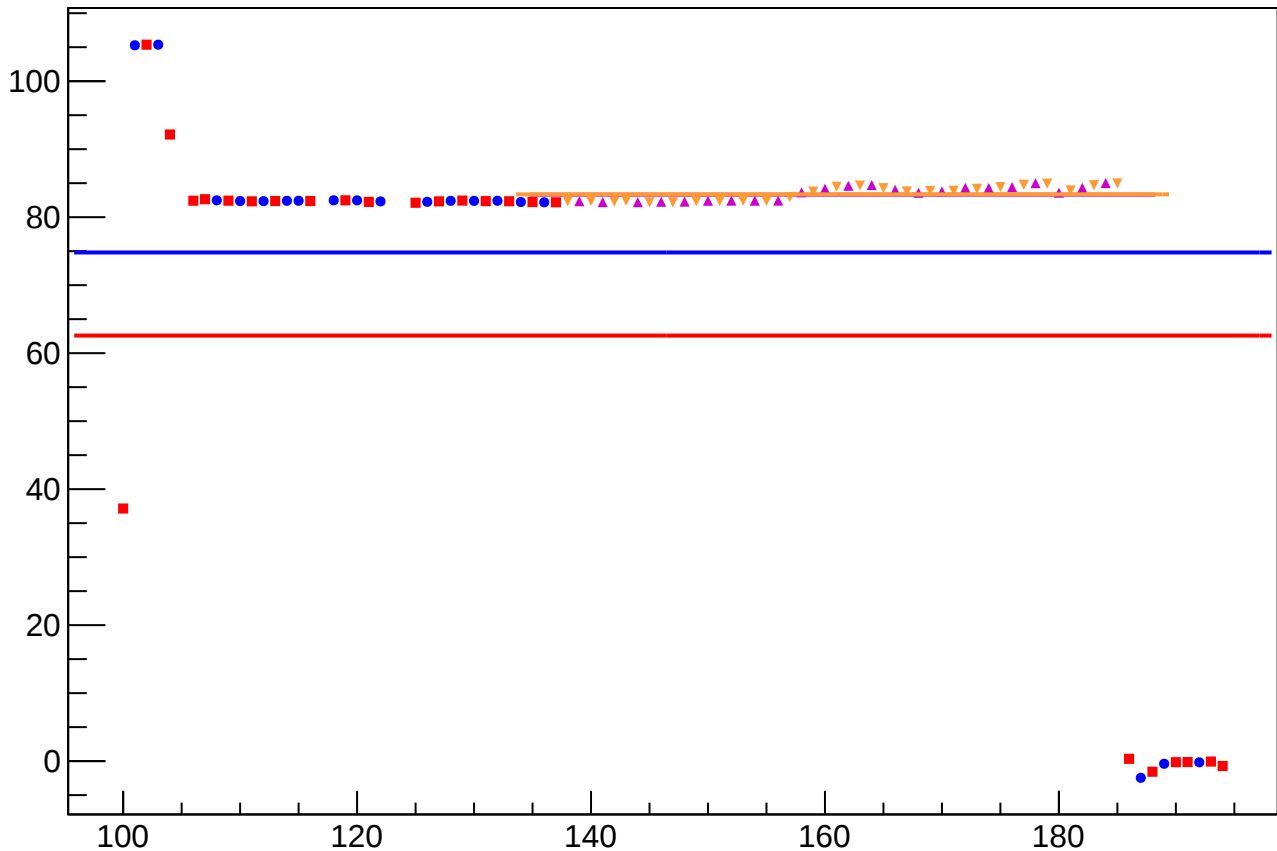
Left In: 0.076+/-0.000 χ^2/NDF : 432563.3/22

+ sign 0.080+/-0.000 χ^2/NDF : 1650392.9/44

All: 0.081+/-0.000 χ^2/NDF : 4644083.0/91

- sign 0.082+/-0.000 χ^2/NDF : 2977154.8/46

yield_dsl_mean vs Slug



Right In: 74.809+/-0.000 χ^2/NDF : 4100685596044.2/18

Left Out: 83.355+/-0.000 χ^2/NDF : 9142393022.8/24

Right Out: 62.586+/-0.000 χ^2/NDF : 7604748399391.1/23

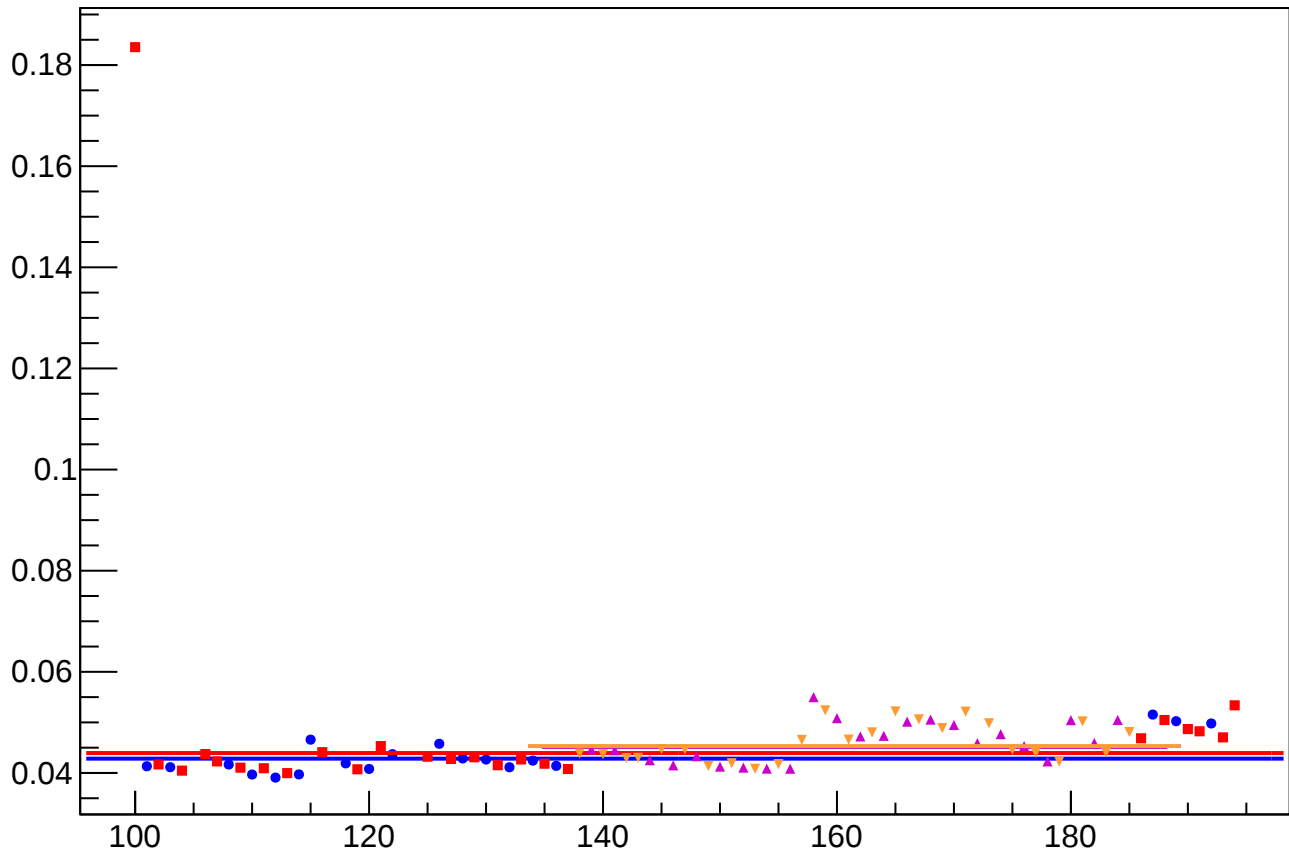
Left In: 83.309+/-0.000 χ^2/NDF : 8421247810.9/22

+ sign 80.510+/-0.000 χ^2/NDF : 4321320210282.4/4

All: 77.838+/-0.000 χ^2/NDF : 1350243978176

- sign 75.273+/-0.000 χ^2/NDF : 8998541220583.5/4

yield_dsl_rms vs Slug



Right In: 0.043 $\pm$ 0.000 χ^2 /NDF: 90540.5/18

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF: 211358.2/24

Right Out: 0.044 $\pm$ 0.000 χ^2 /NDF: 227351.2/23

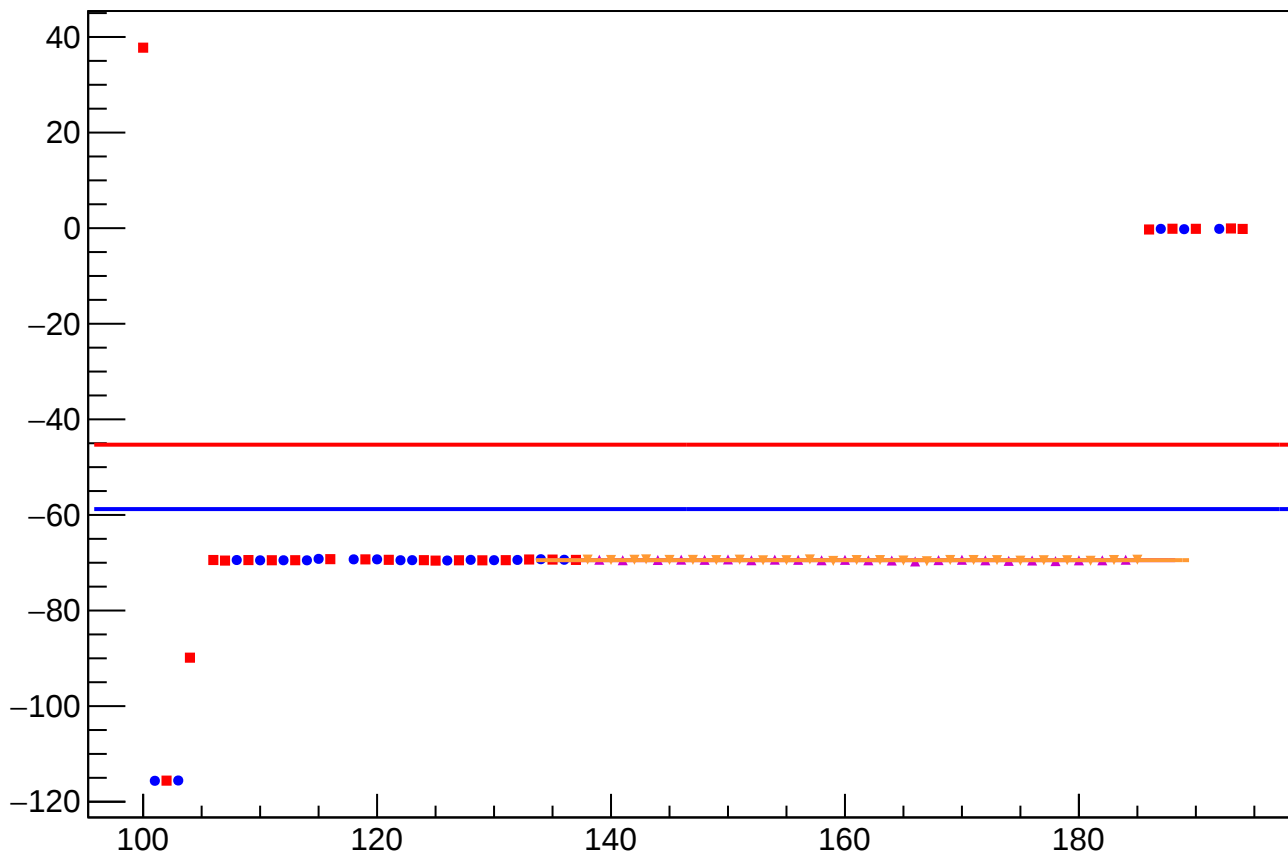
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF: 242885.4/22

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 337577.5/43

All: 0.045 $\pm$ 0.000 χ^2 /NDF: 817593.8/90

- sign 0.045 $\pm$ 0.000 χ^2 /NDF: 479543.5/46

yield_dsr_mean vs Slug



Right In: -58.775+/-0.000 χ^2/NDF : 3255599874224.8/19

Left Out: -69.461+/-0.000 χ^2/NDF : 49572401.9/24

Right Out: -45.301+/-0.000 χ^2/NDF : 4812858269557.5/23

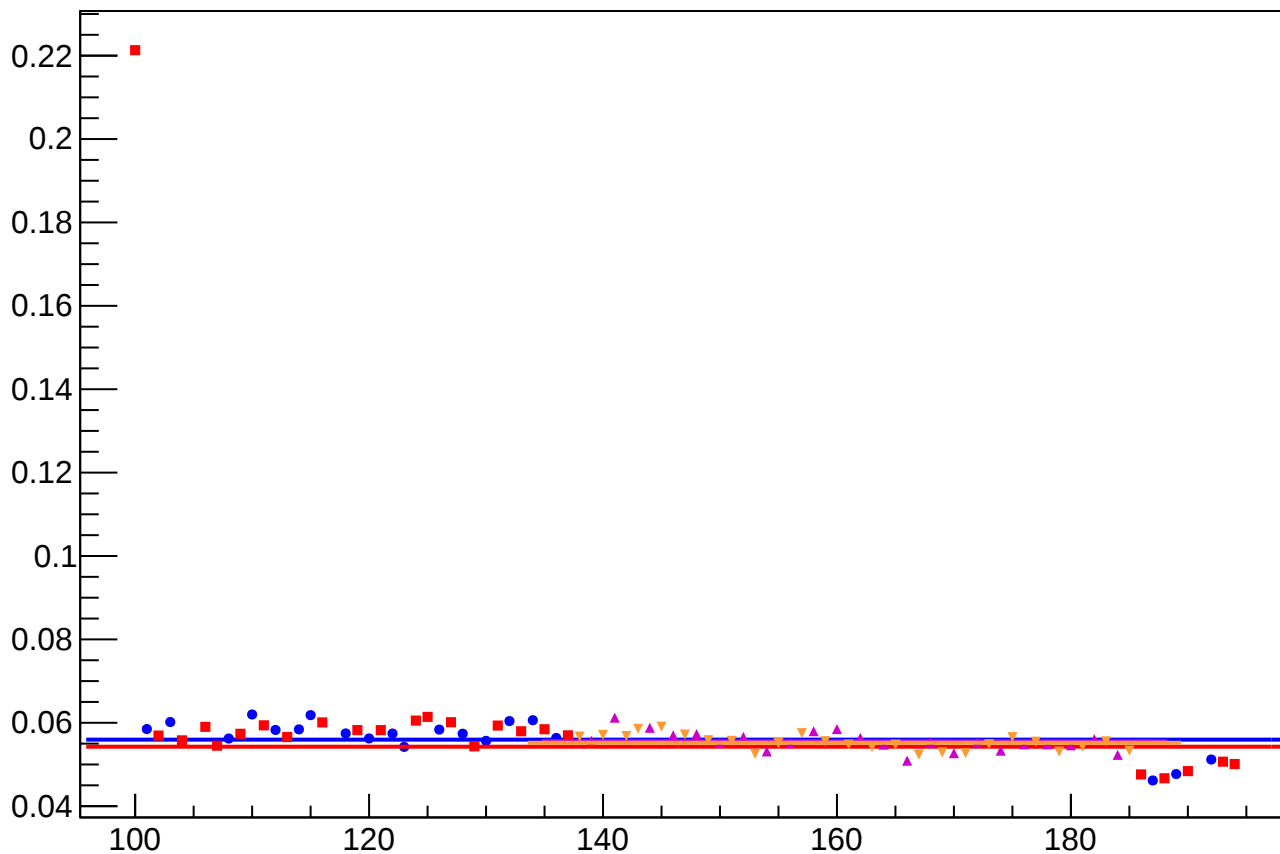
Left In: -69.458+/-0.000 χ^2/NDF : 52798704.3/22

+ sign -66.250+/-0.000 χ^2/NDF : 3455730683460.4/19

All: -63.162+/-0.000 χ^2/NDF : 963662673367.5/23

- sign -60.242+/-0.000 χ^2/NDF : 6026288328920.5/19

yield_dsr_rms vs Slug



Right In: 0.056 $\pm$ 0.000 χ^2 /NDF: 82095.4/19

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 230224.1/23

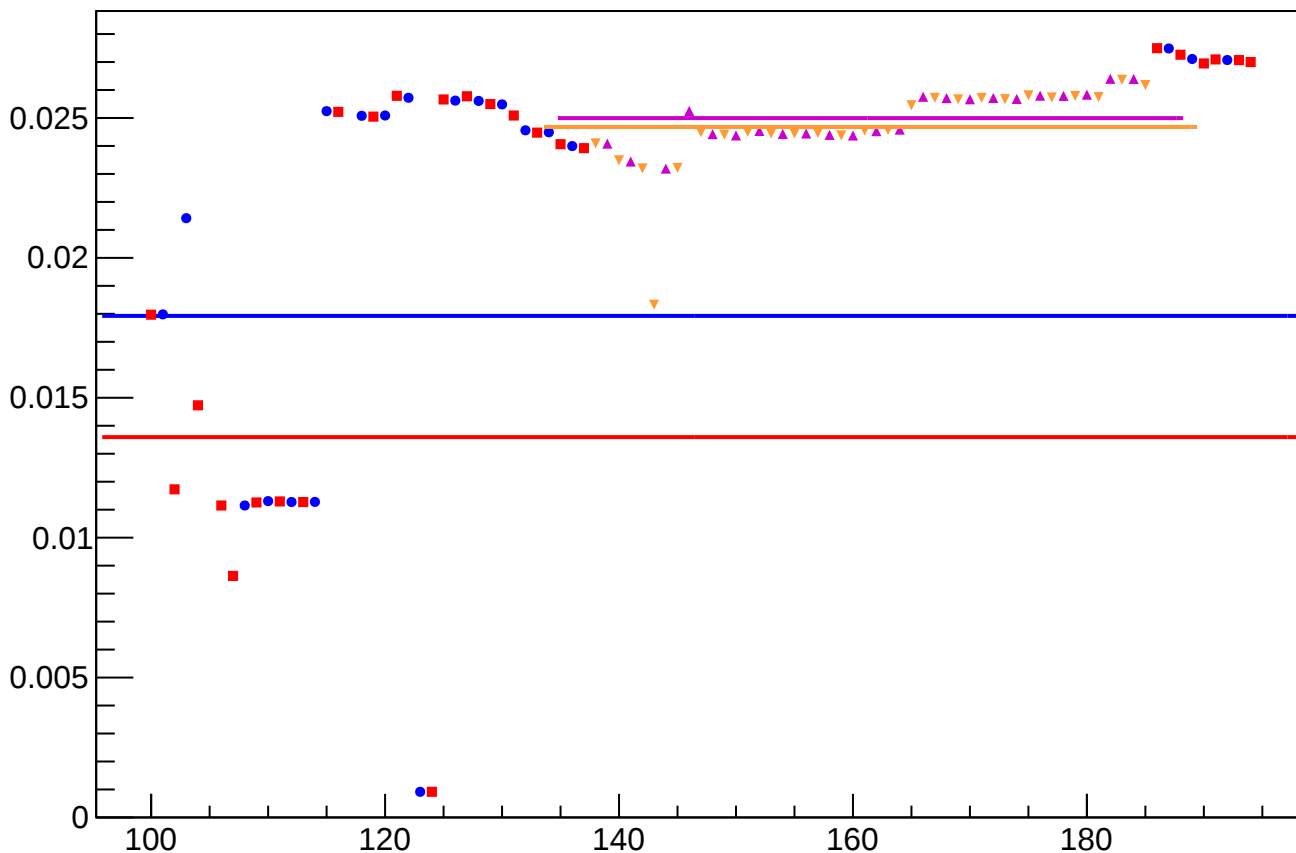
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.055 $\pm$ 0.000 χ^2 /NDF: 122823.4/44

All: 0.055 $\pm$ 0.000 χ^2 /NDF: 413632.0/91

- sign 0.055 $\pm$ 0.000 χ^2 /NDF: 289770.1/46

yield_atl1_mean vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 143512170729.8/19

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF:9641065555.8/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 320467114903.7/24

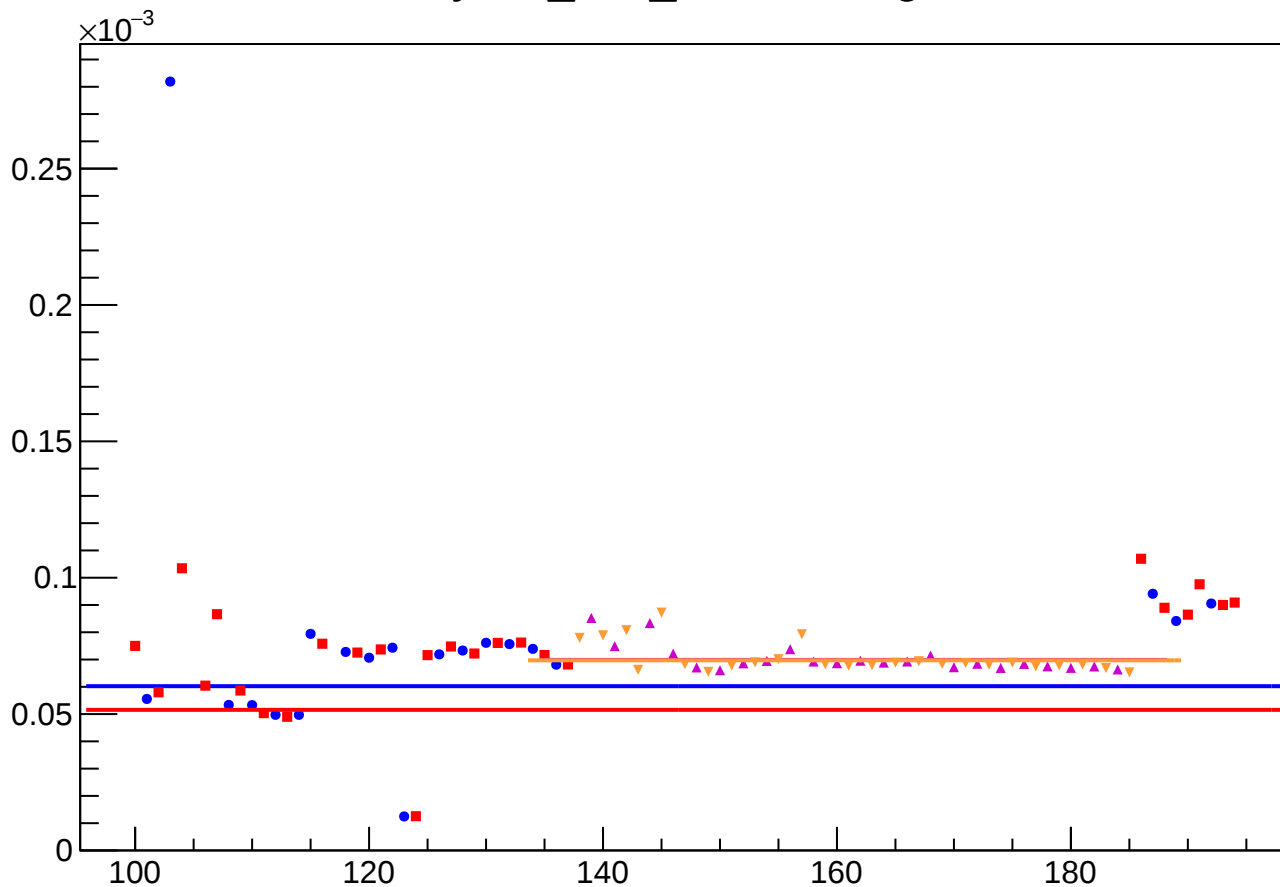
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF:2462473687.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 209724993119.0/44

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 753578334572.2

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 525633310266.4/47

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2339953.9/19

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5120077.4/24

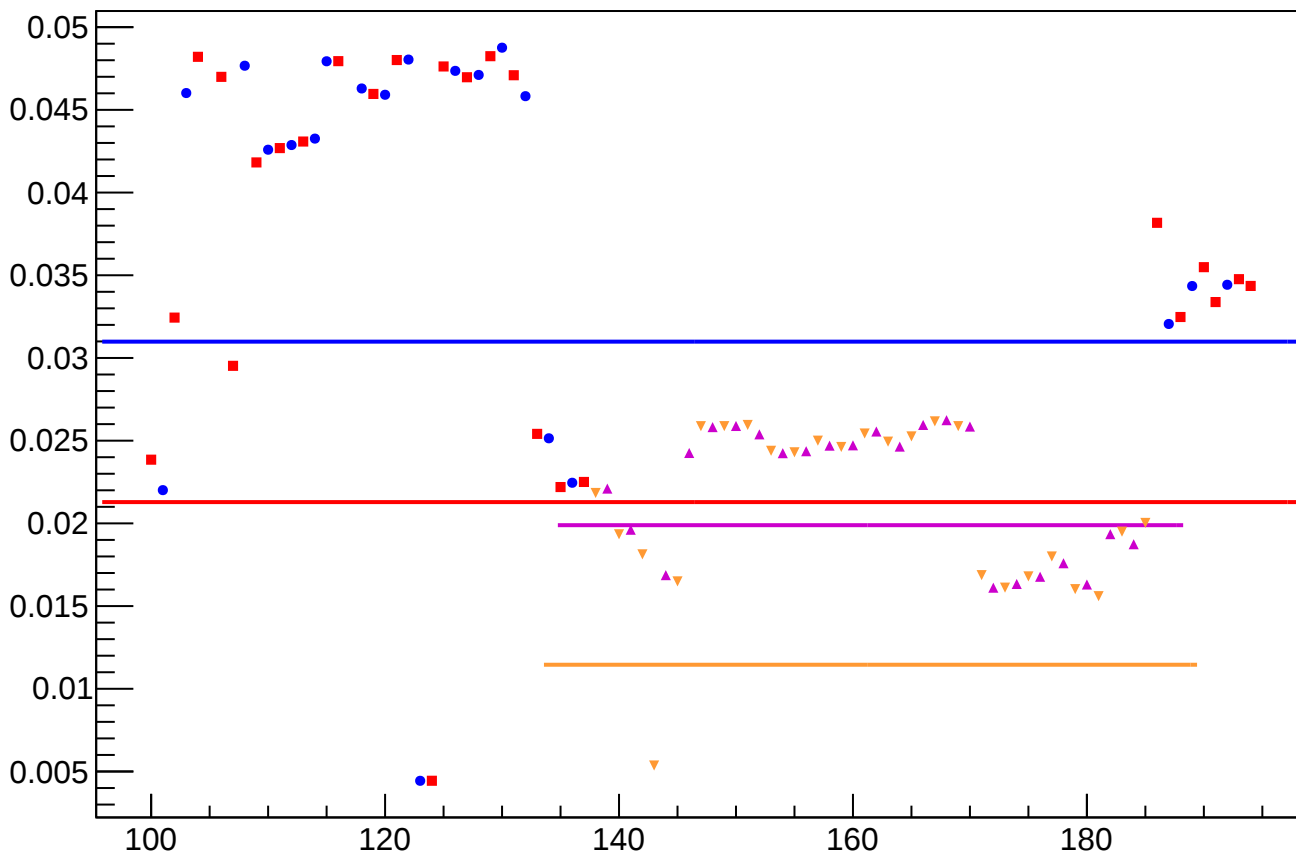
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 2721220.8/44

All: 0.000+/-0.000 χ^2/NDF : 9151384.7/92

- sign 0.000+/-0.000 χ^2/NDF : 6293722.5/47

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21151719955.5/19

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

+ sign 0.013+/-0.000 χ^2/NDF : 87947578828.1/44

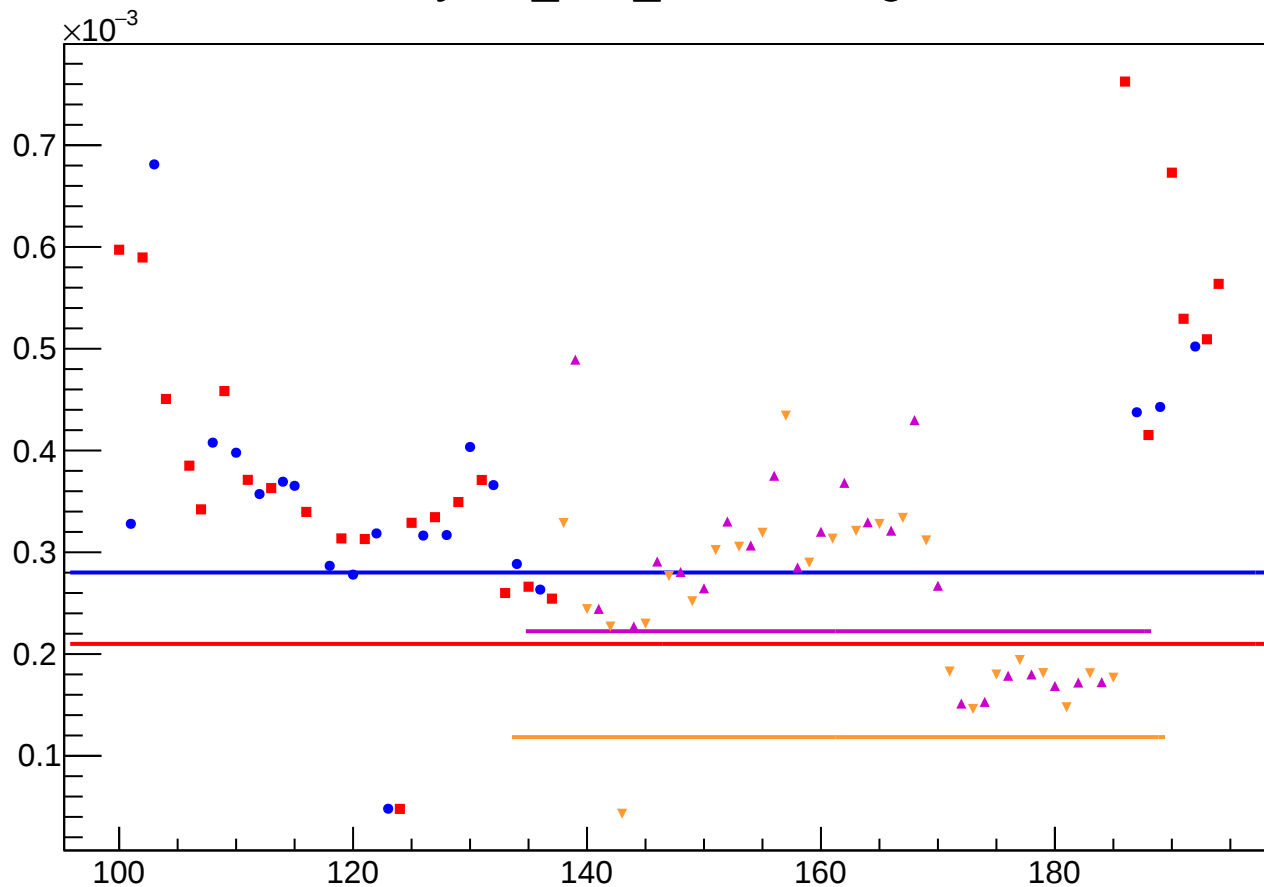
Right Out: 0.021+/-0.000 χ^2/NDF : 41967168088.8/24

All: 0.016+/-0.000 χ^2/NDF : 147923219972.3

- sign 0.020+/-0.000 χ^2/NDF : 46600837258.3/47

Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2924030.4/19

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13563132.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7992232.2/24

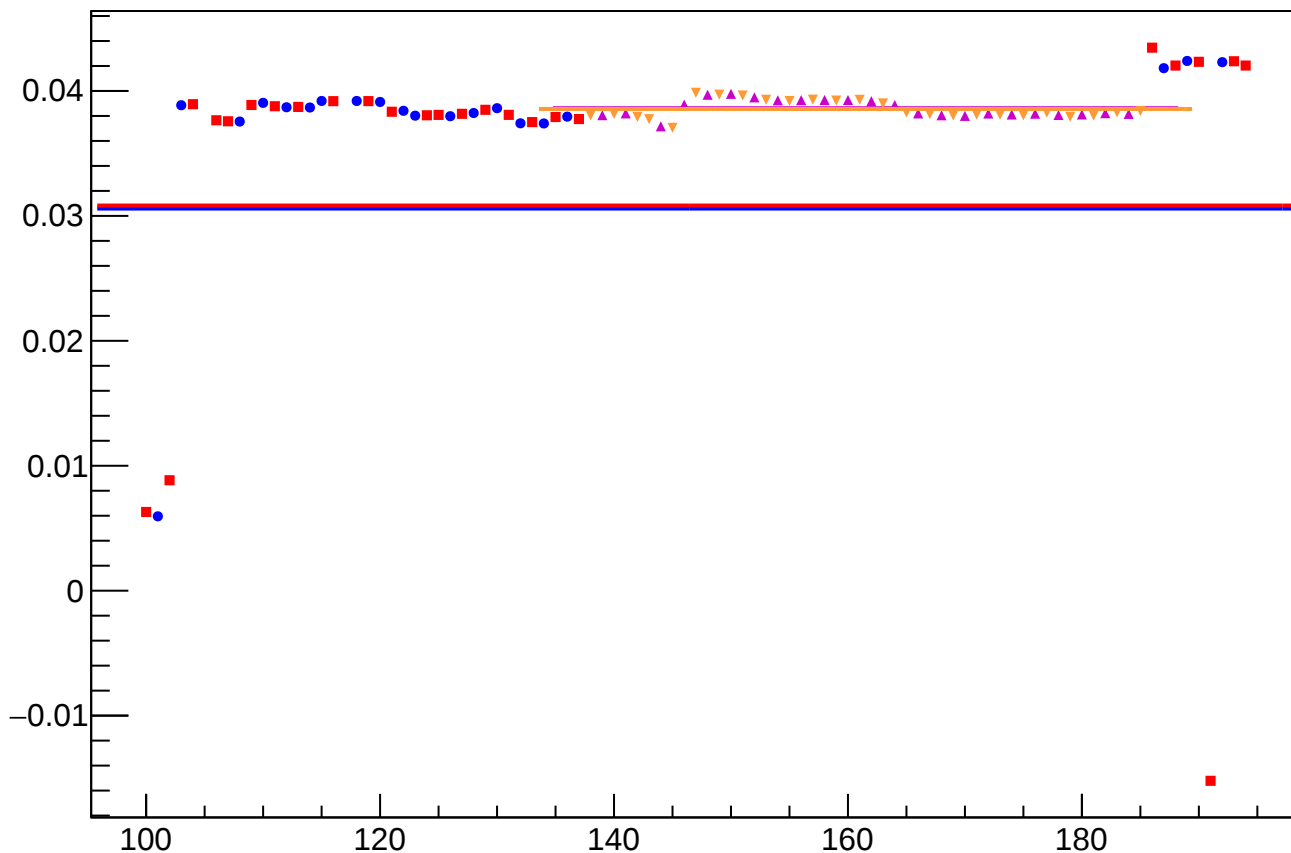
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3281119.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20120931.4/44

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35354847.2/92

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11301152.7/47

yield_atr1_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 101682898541.8/19

Left Out: 0.039+/-0.000 χ^2/NDF : 539468437.3/24

Right Out: 0.031+/-0.000 χ^2/NDF : 170271297283.2/24

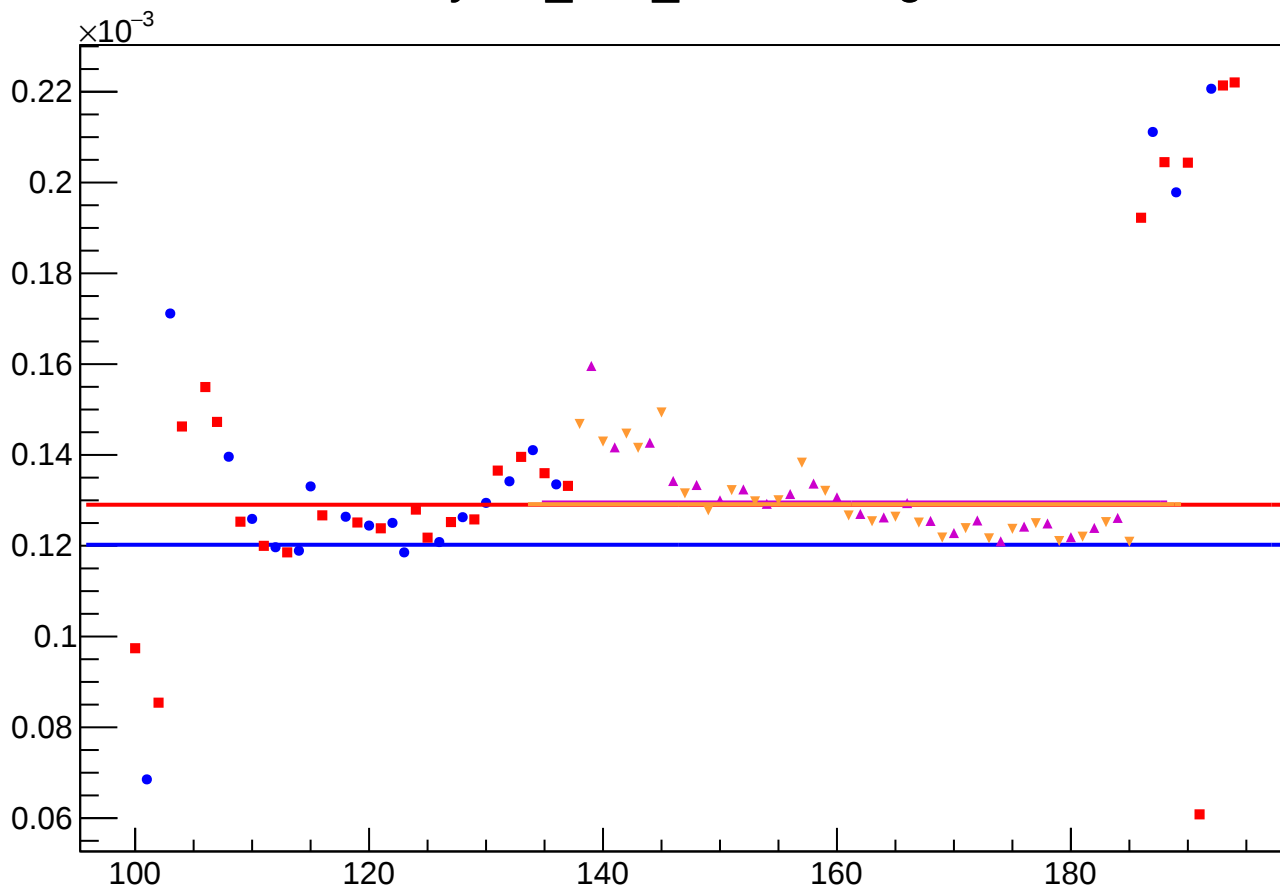
Left In: 0.039+/-0.000 χ^2/NDF : 465745982.6/22

+ sign 0.036+/-0.000 χ^2/NDF : 124058972037.0/44

All: 0.036+/-0.000 χ^2/NDF : 316598682893.3

- sign 0.036+/-0.000 χ^2/NDF : 192521392718.9/47

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1386172.1/19

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1709135.9/24

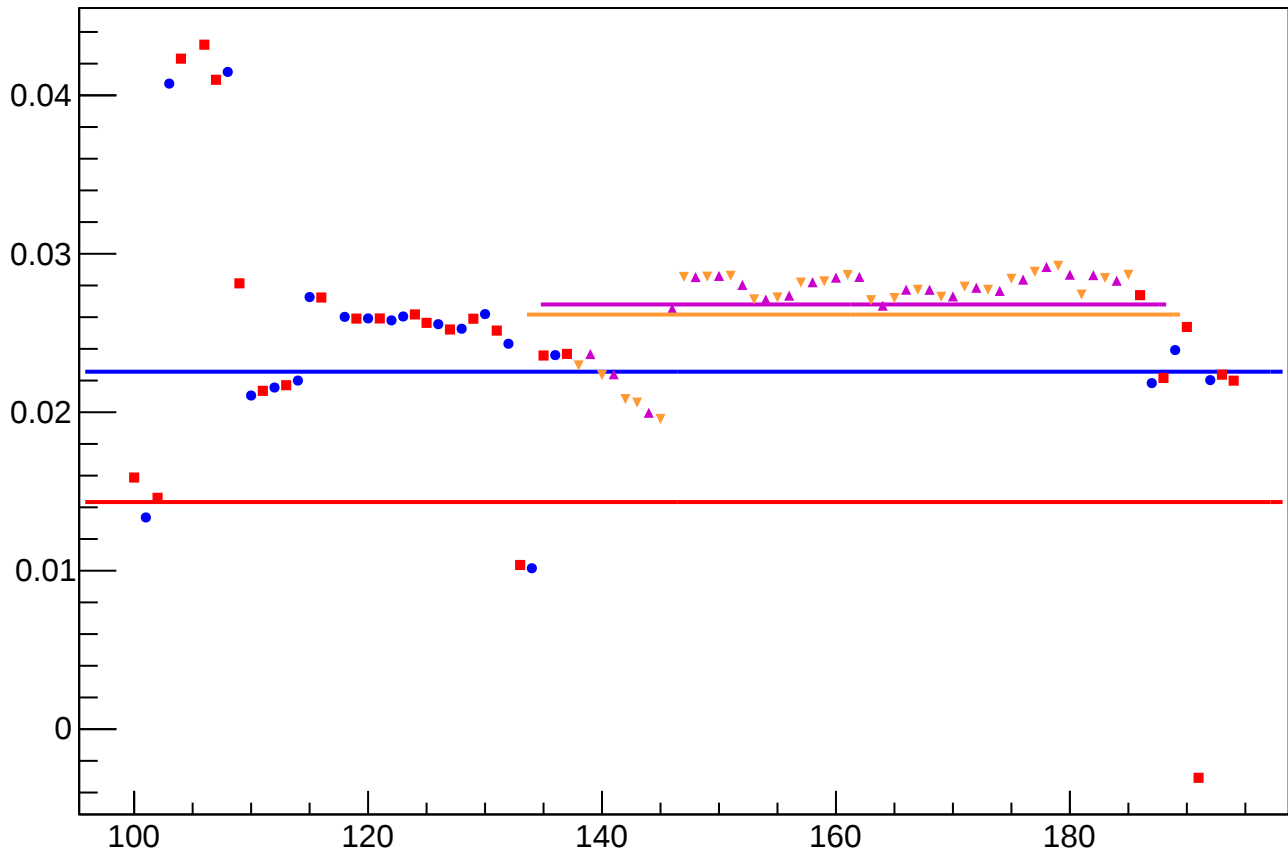
Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 1571386.0/44

All: 0.000+/-0.000 χ^2/NDF : 3410112.8/92

- sign 0.000+/-0.000 χ^2/NDF : 1824077.1/47

yield_atr2_mean vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 4243800014.7/19

Left Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 2056710635.1/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 30521324011.0/24

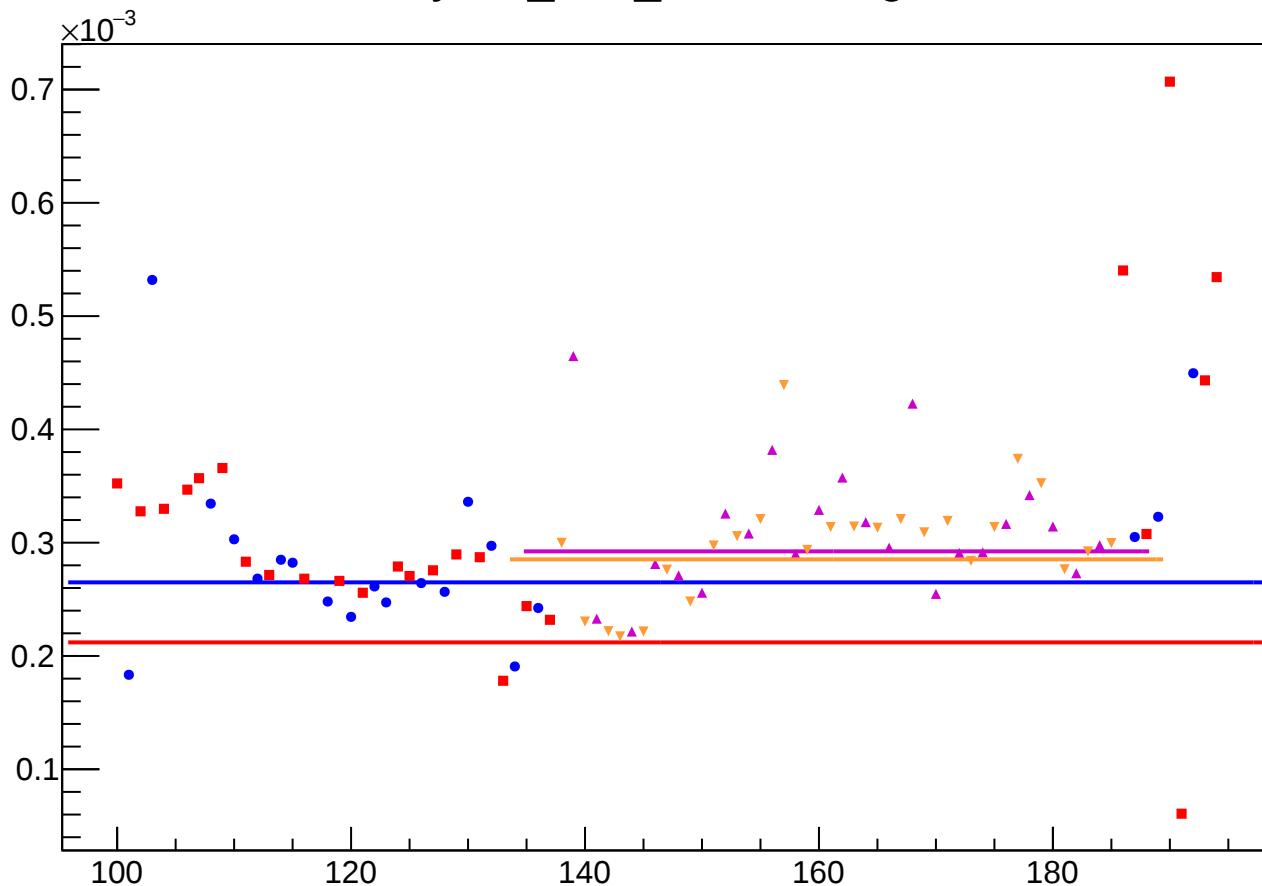
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF: 1332033607.7/22

+ sign 0.025 $\pm$ 0.000 χ^2 /NDF: 7163986303.0/44

All: 0.023 $\pm$ 0.000 χ^2 /NDF: 54523406446.4/9

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 44972478847.8/47

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 979397.4/19

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5168967.9/24

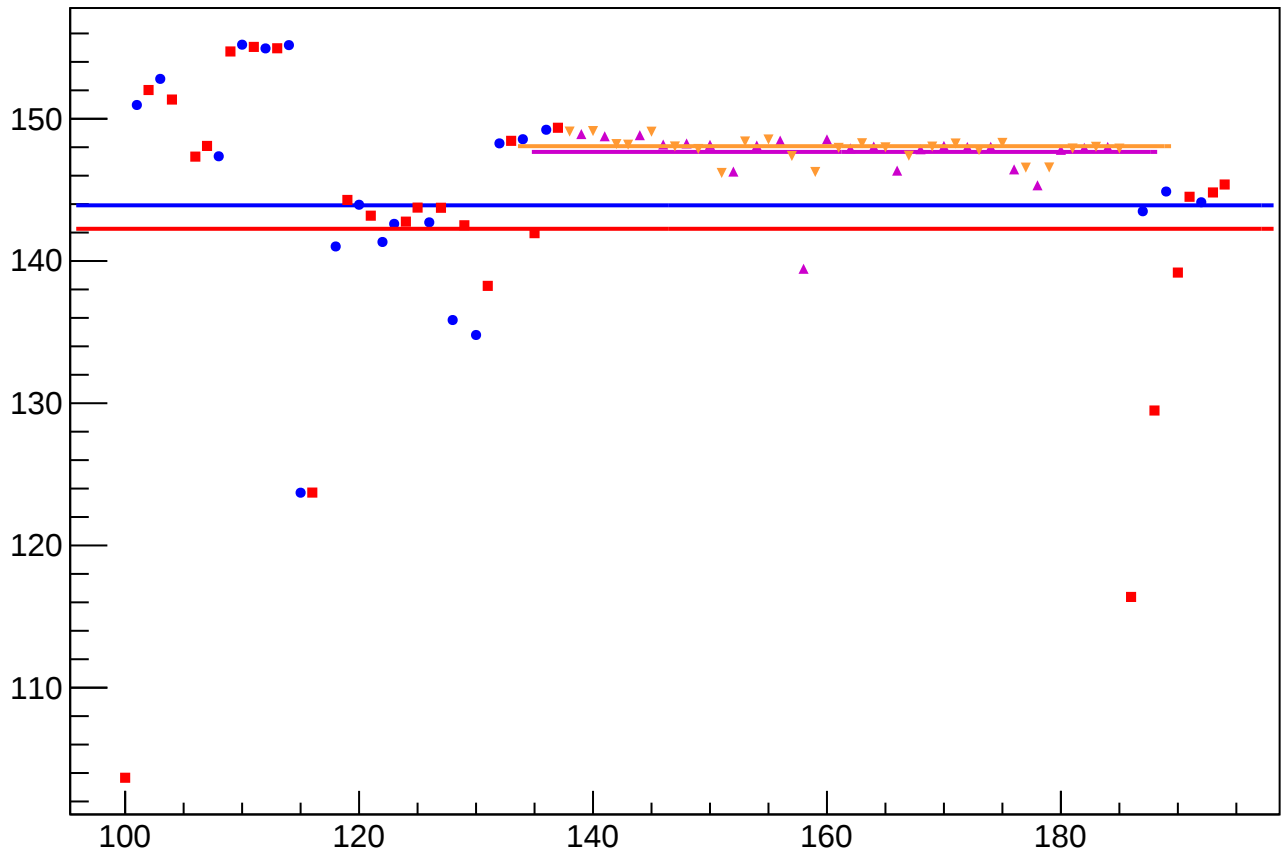
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1847490.3/44

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9172481.7/92

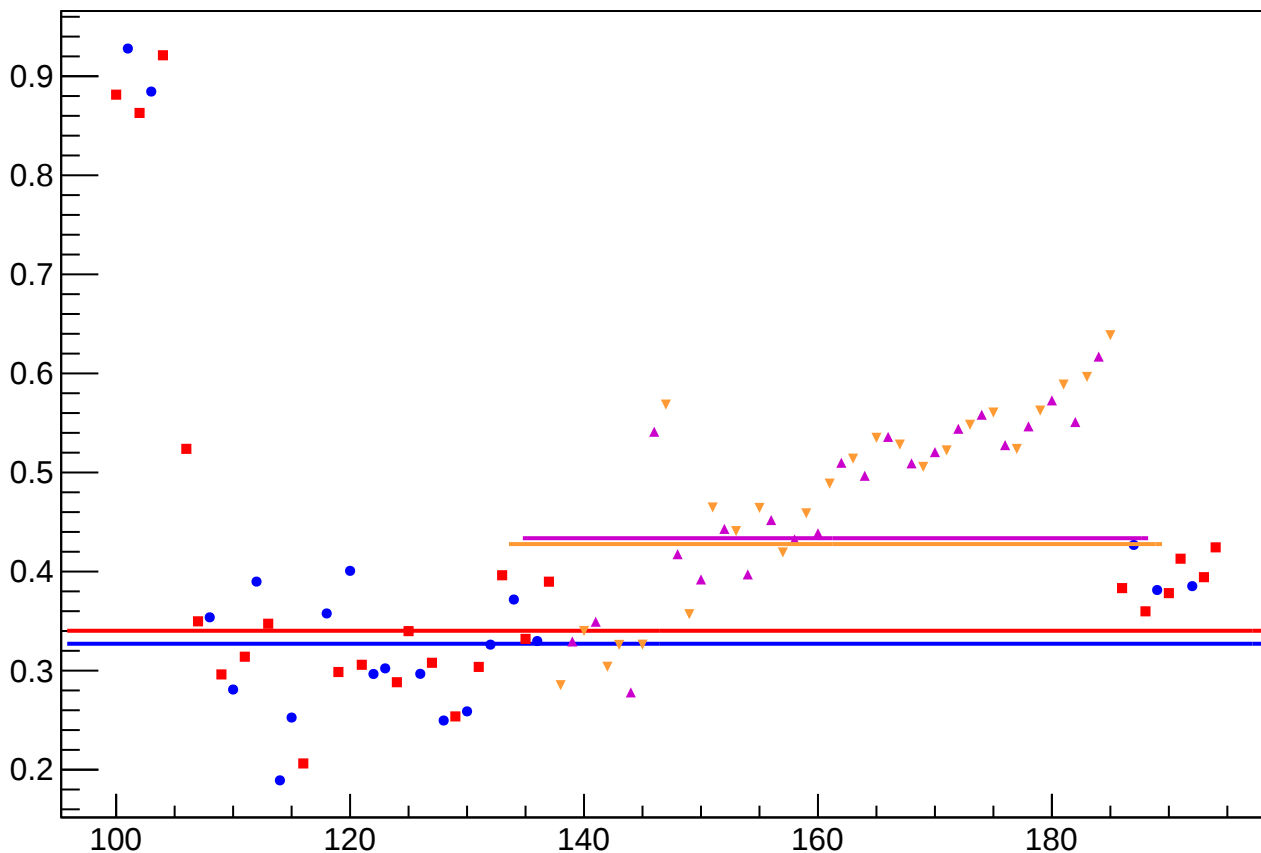
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7157144.1/47

yield_bcm_an_ds_mean vs Slug



Right In: 143.915 ± 0.000 χ^2/NDF : 3454025314.8/19
 Left Out: 148.073 ± 0.000 χ^2/NDF : 65614067.4/24
 Right Out: 142.265 ± 0.000 χ^2/NDF : 7307661343.8/24
 Left In: 147.670 ± 0.000 χ^2/NDF : 345222604.4/22
 All: 145.717 ± 0.000 χ^2/NDF : 13162560634.0/44
 + sign 146.366 ± 0.000 χ^2/NDF : 4178451440.0/44
 - sign 145.099 ± 0.000 χ^2/NDF : 8854821037.4/47

yield_bcm_an_ds_rms vs Slug



Right In: 0.327 ± 0.000 χ^2/NDF : 1343959.2/19

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.340 ± 0.000 χ^2/NDF : 1384646.3/24

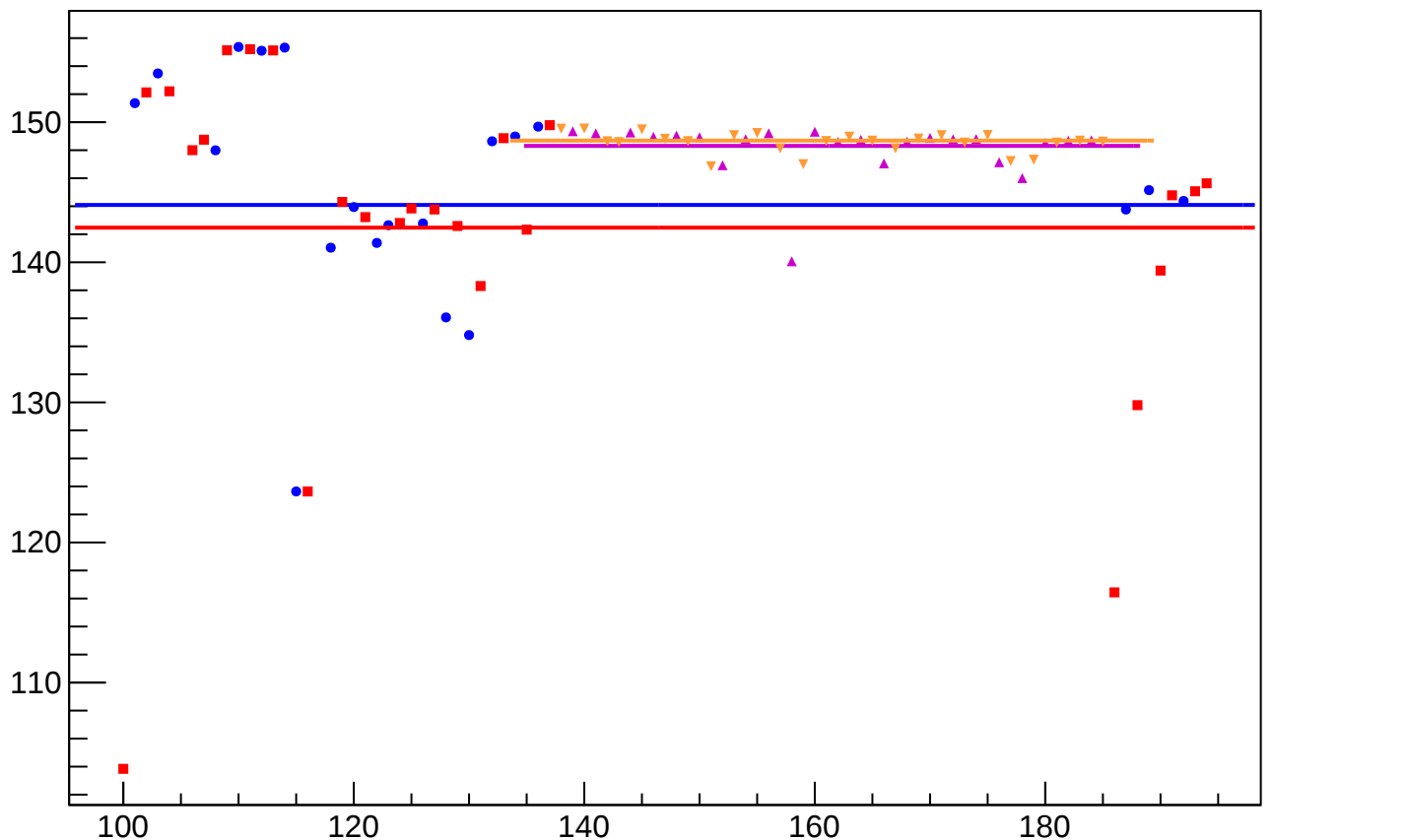
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.386 ± 0.000 χ^2/NDF : 4011898.6/44

All: 0.388 ± 0.000 χ^2/NDF : 7612244.8/92

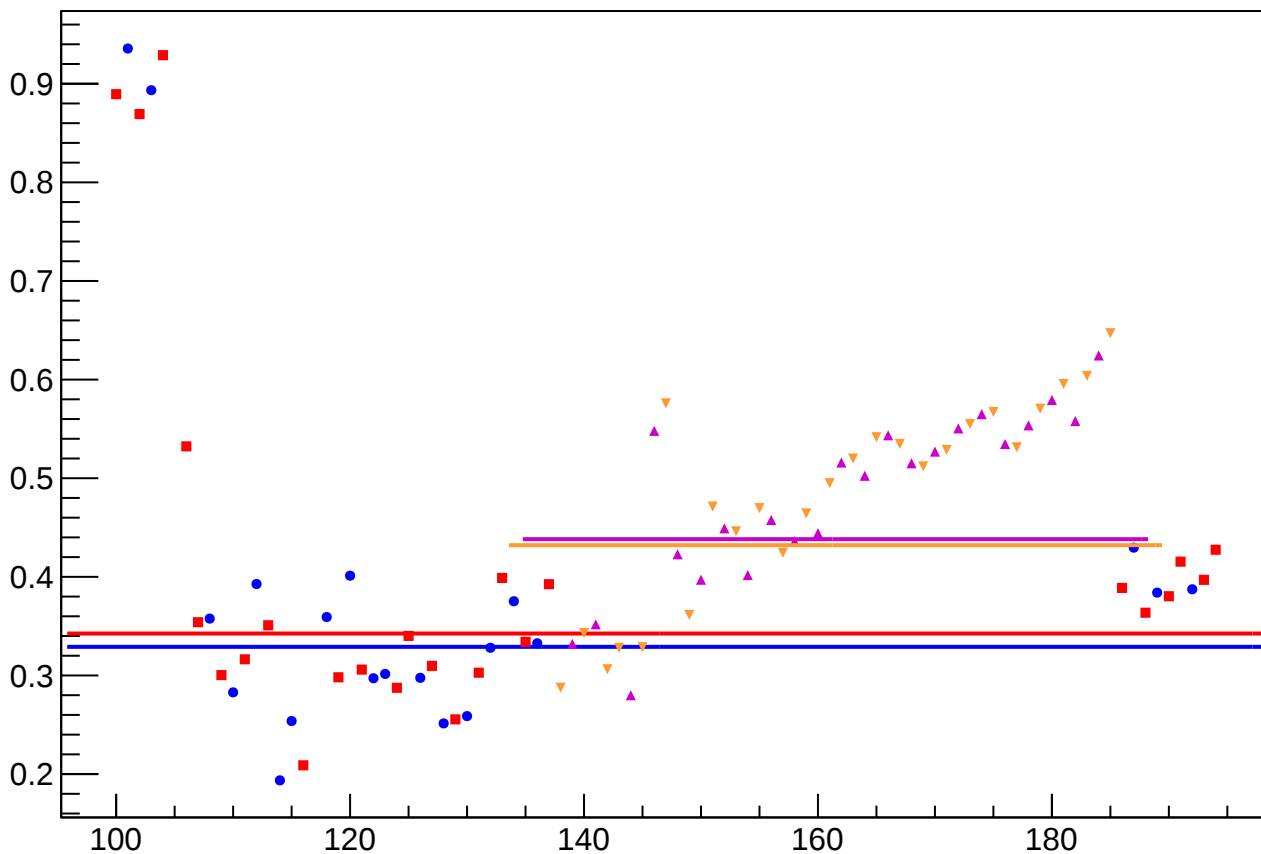
- sign 0.389 ± 0.000 χ^2/NDF : 3599088.2/47

yield_bcm_an_ds3_mean vs Slug



Right In: 144.091+/-0.000	χ^2/NDF : 3499221141.9/19	+ sign 146.789+/-0.000	χ^2/NDF : 4343355985.0/44
Left Out: 148.686+/-0.000	χ^2/NDF : 52218185.1/24	All: 146.140+/-0.000	χ^2/NDF : 13433013813.
Right Out: 142.473+/-0.000	χ^2/NDF : 7252474865.4/24	- sign 145.520+/-0.000	χ^2/NDF : 8962206869.4/47
Left In: 148.307+/-0.000	χ^2/NDF : 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1345892.9/19

Left Out: 0.432 ± 0.000 χ^2/NDF : 1929031.5/24

Right Out: 0.343 ± 0.000 χ^2/NDF : 1389794.1/24

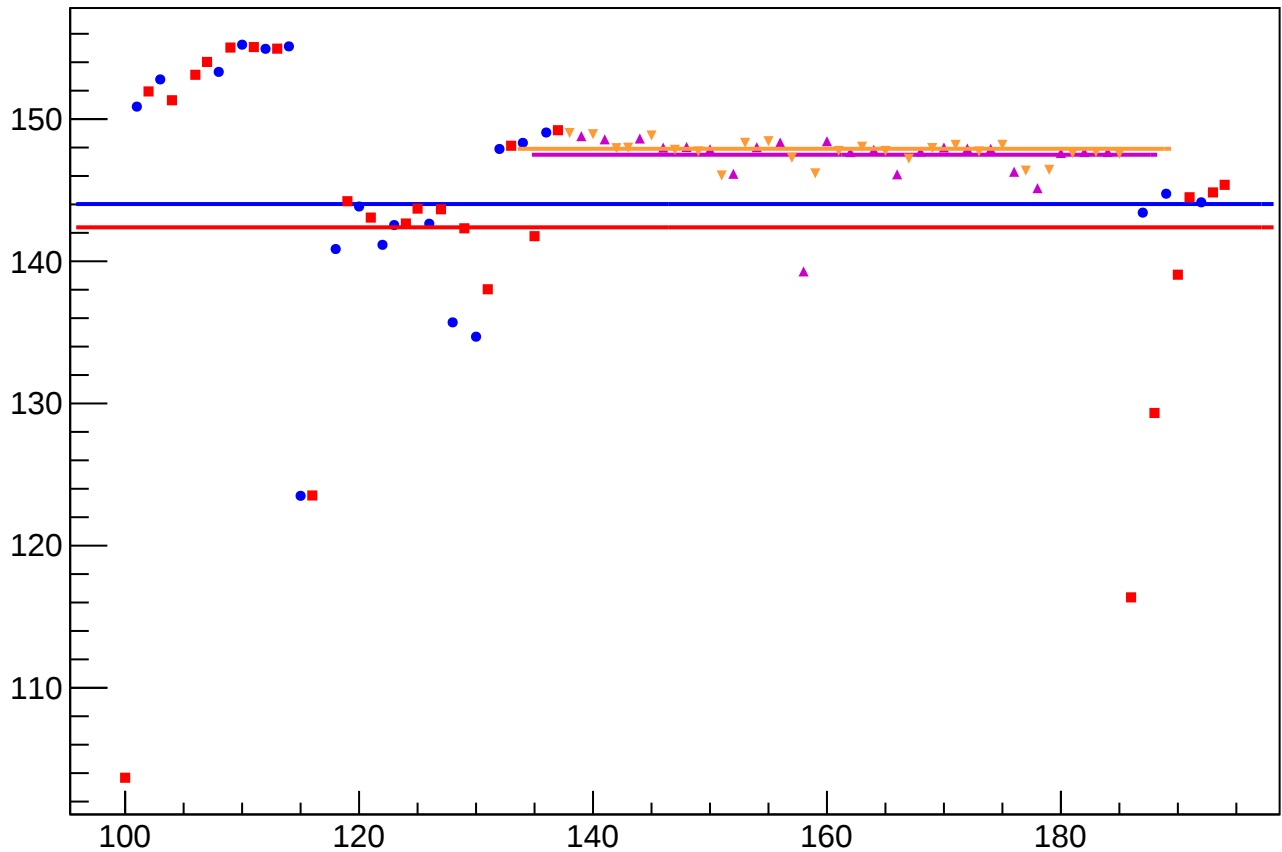
Left In: 0.438 ± 0.000 χ^2/NDF : 1521893.6/22

+ sign 0.390 ± 0.000 χ^2/NDF : 4072376.1/44

All: 0.391 ± 0.000 χ^2/NDF : 7725905.4/92

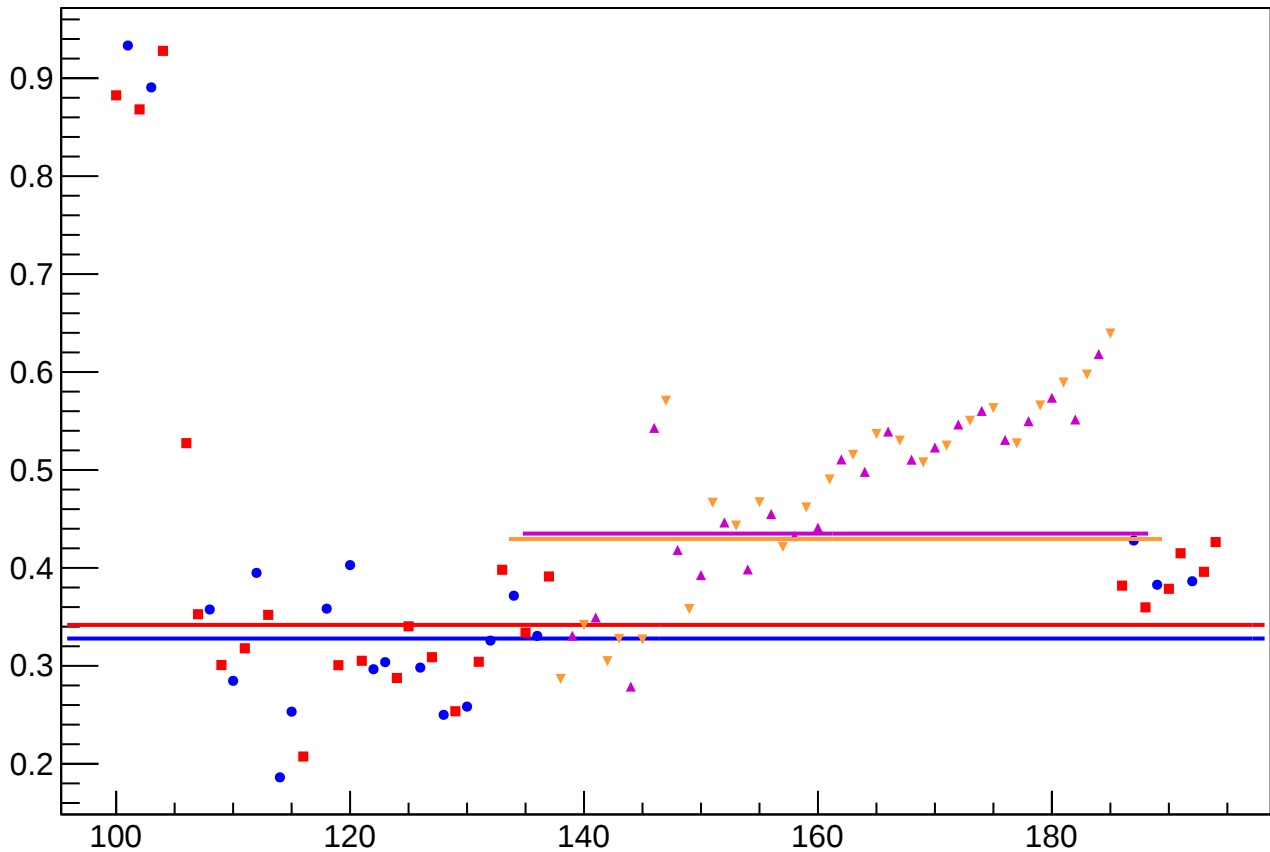
- sign 0.392 ± 0.000 χ^2/NDF : 3652164.6/47

yield_bcm_an_us_mean vs Slug



Right In: 144.026+/-0.000	χ^2/NDF : 3666358406.9/19	+ sign 146.314+/-0.000	χ^2/NDF : 4301824435.3/44
Left Out: 147.911+/-0.000	χ^2/NDF : 64412407.9/24	All: 145.676+/-0.000	χ^2/NDF : 13530107349.
Right Out: 142.388+/-0.000	χ^2/NDF : 7696479729.3/24	- sign 145.068+/-0.000	χ^2/NDF : 9104136094.6/47
Left In: 147.493+/-0.000	χ^2/NDF : 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1359271.8/19

Left Out: 0.430 ± 0.000 χ^2/NDF : 1895701.4/24

Right Out: 0.342 ± 0.000 χ^2/NDF : 1385595.6/24

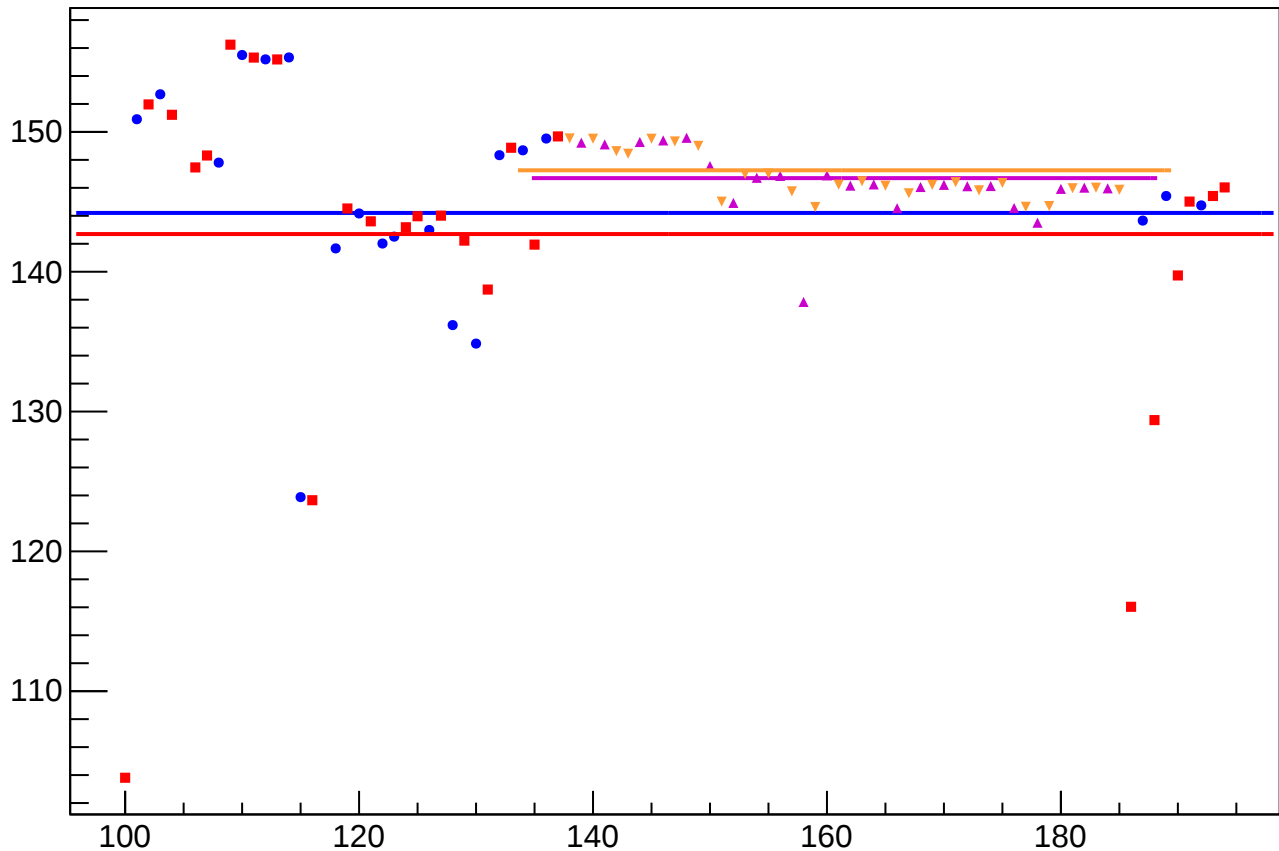
Left In: 0.435 ± 0.000 χ^2/NDF : 1502712.5/22

+ sign 0.388 ± 0.000 χ^2/NDF : 4036559.8/44

All: 0.389 ± 0.000 χ^2/NDF : 7636349.4/92

- sign 0.391 ± 0.000 χ^2/NDF : 3598346.1/47

yield_bcm_dg_us_mean vs Slug



Right In: 144.206+/-0.000 χ^2/NDF : 3169087797.8/19

Left Out: 147.255+/-0.000 χ^2/NDF : 262138049.8/24

Right Out: 142.696+/-0.000 χ^2/NDF : 7007249150.9/24

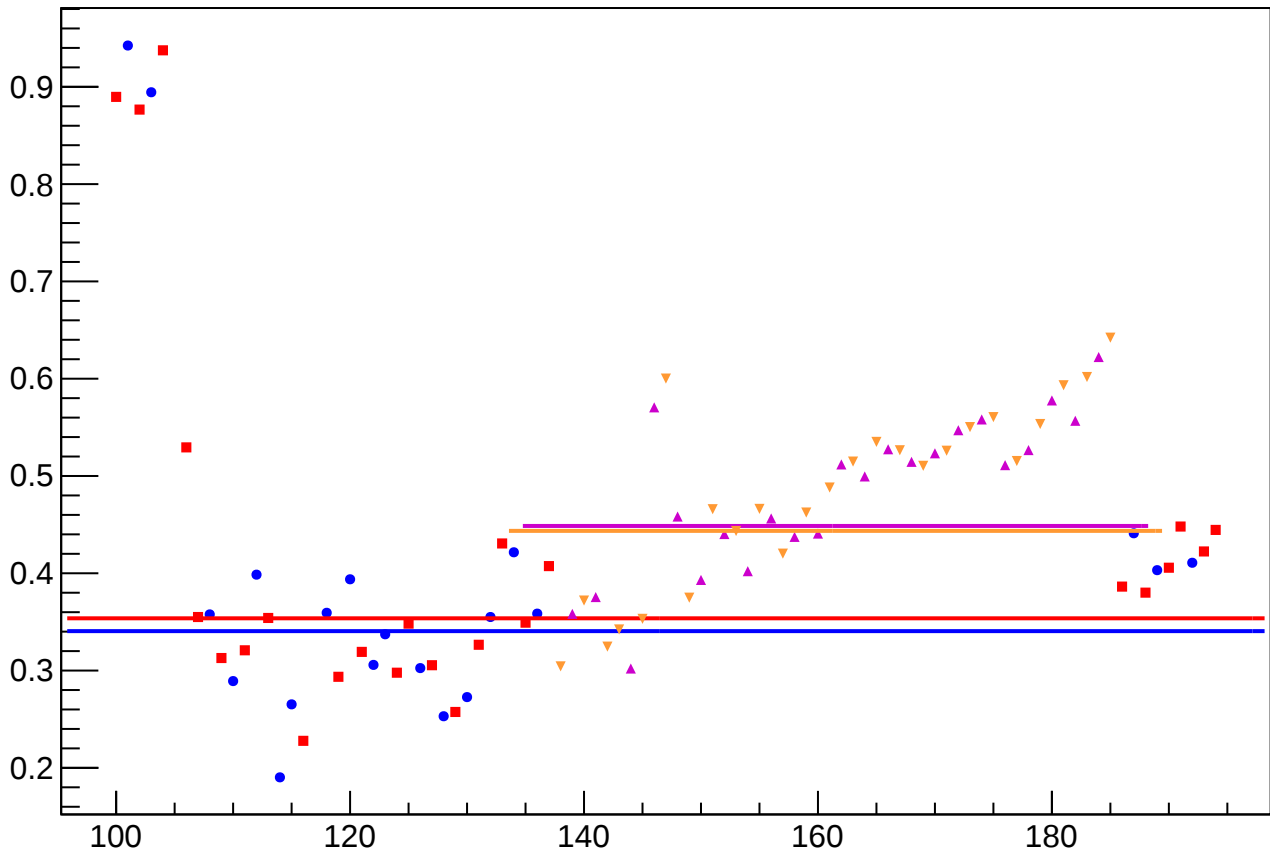
Left In: 146.695+/-0.000 χ^2/NDF : 557896803.1/22

+ sign 146.020+/-0.000 χ^2/NDF : 3759042162.9/44

All: 145.403+/-0.000 χ^2/NDF : 12046218819.

- sign 144.816+/-0.000 χ^2/NDF : 8178475398.4/47

yield_bcm_dg_us_rms vs Slug



Right In: 0.341 ± 0.000 $\chi^2/\text{NDF}: 1358087.7/19$

Left Out: 0.444 ± 0.000 $\chi^2/\text{NDF}: 1483434.7/24$

Right Out: 0.354 ± 0.000 $\chi^2/\text{NDF}: 1380236.8/24$

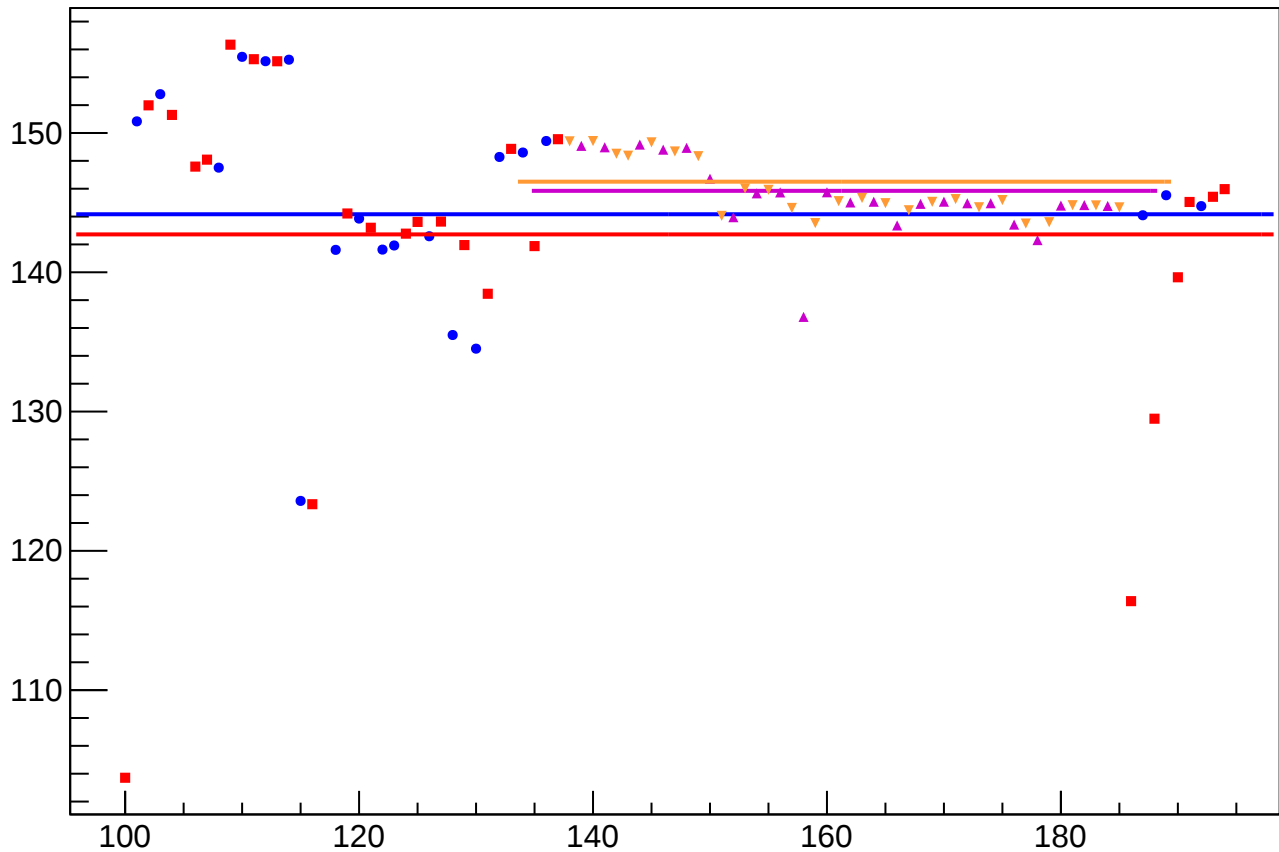
Left In: 0.449 ± 0.000 $\chi^2/\text{NDF}: 1132620.8/22$

+ sign 0.402 ± 0.000 $\chi^2/\text{NDF}: 3590803.6/44$

All: 0.403 ± 0.000 $\chi^2/\text{NDF}: 6795380.1/92$

- sign 0.404 ± 0.000 $\chi^2/\text{NDF}: 3203852.0/47$

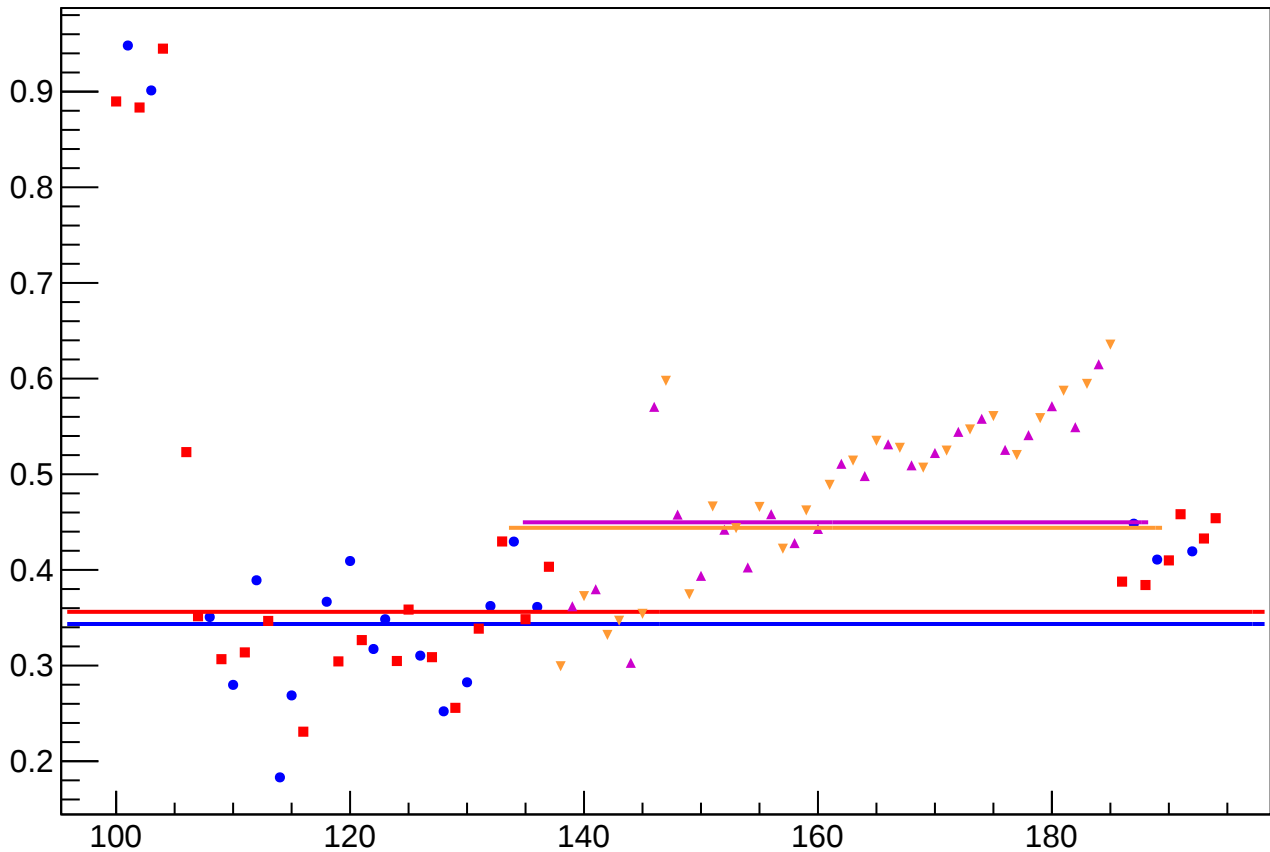
yield_bcm_dg_ds_mean vs Slug



Right In: 144.166 ± 0.000 χ^2/NDF : 3289613775.9/19
 Left Out: 146.505 ± 0.000 χ^2/NDF : 401688176.3/24
 Right Out: 142.720 ± 0.000 χ^2/NDF : 6981989481.8/24
 Left In: 145.847 ± 0.000 χ^2/NDF : 694764545.6/22

+ sign 145.569 ± 0.000 χ^2/NDF : 3881593309.2/44
 All: 144.963 ± 0.000 χ^2/NDF : 12032362982.
 - sign 144.387 ± 0.000 χ^2/NDF : 8047166355.3/47

yield_bcm_dg_ds_rms vs Slug



Right In: 0.343 ± 0.000 χ^2/NDF : 1383815.7/19

Left Out: 0.444 ± 0.000 χ^2/NDF : 1463293.5/24

Right Out: 0.356 ± 0.000 χ^2/NDF : 1389804.2/24

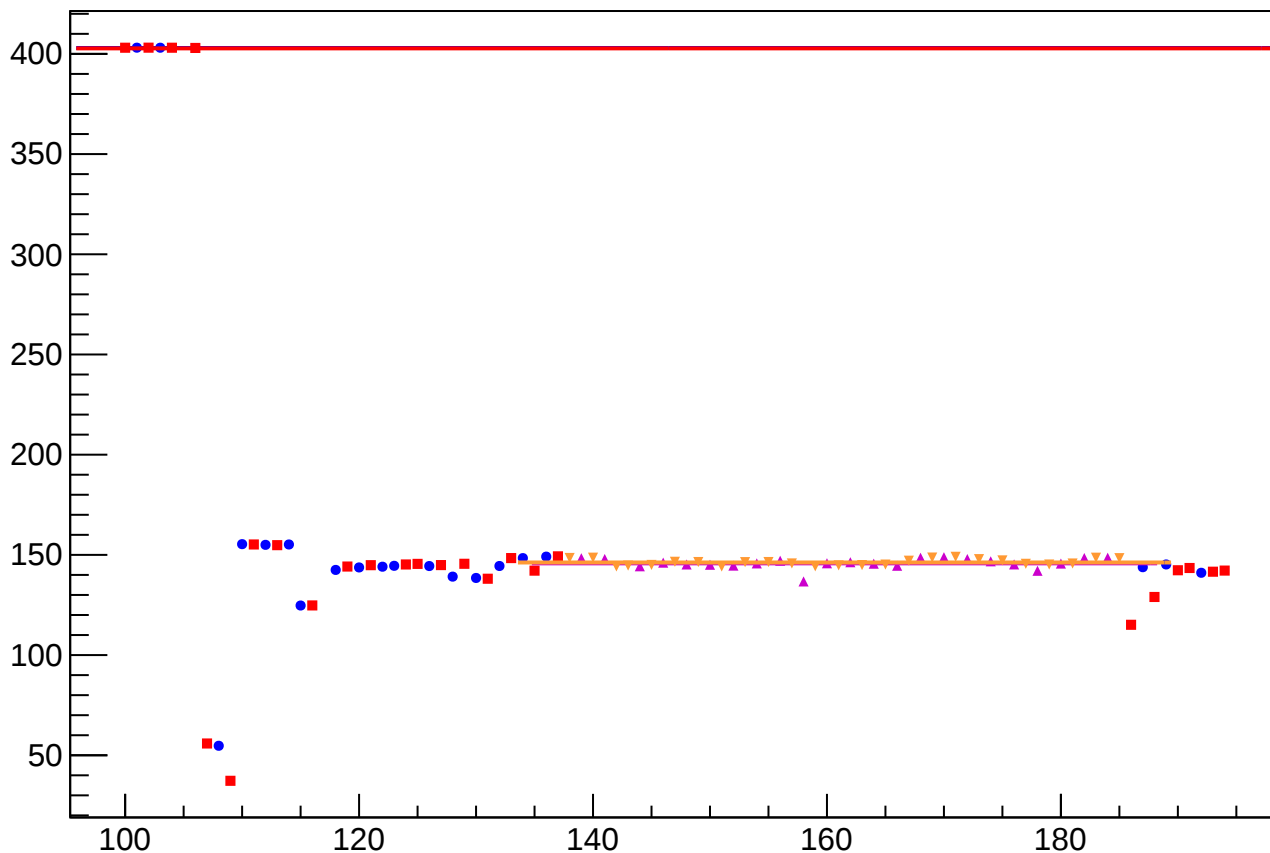
Left In: 0.450 ± 0.000 χ^2/NDF : 1105405.0/22

+ sign 0.404 ± 0.000 χ^2/NDF : 3550525.7/44

All: 0.405 ± 0.000 χ^2/NDF : 6710419.0/92

- sign 0.406 ± 0.000 χ^2/NDF : 3159088.3/47

yield_cav4bQ_mean vs Slug



Right In: 402.939 $\pm$ 0.000 χ^2 /NDF: 1245260855105.9/19

Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24

Right Out: 402.753 $\pm$ 0.000 χ^2 /NDF: 3535875038581.2/24

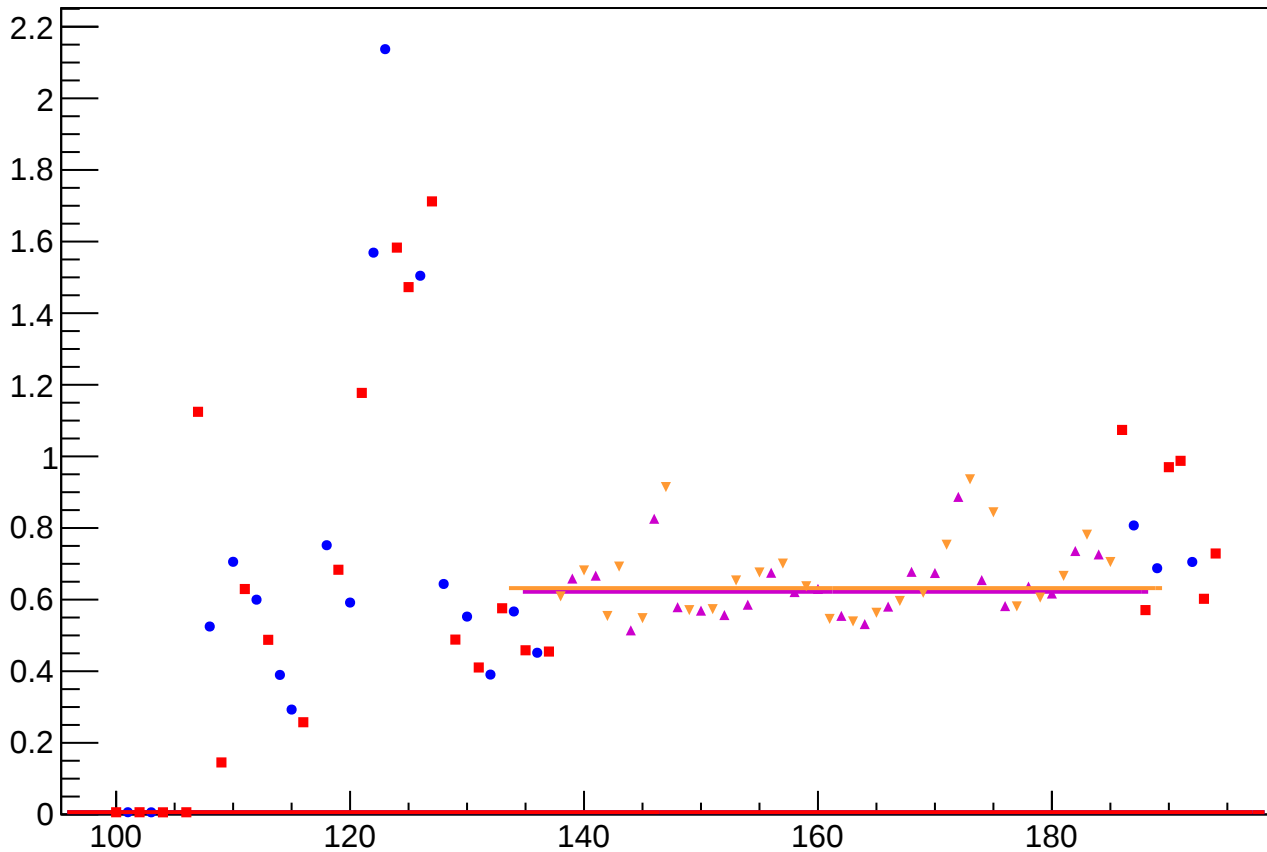
Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.642 $\pm$ 0.000 χ^2 /NDF: 3616912695655.6

All: 402.564 $\pm$ 0.000 χ^2 /NDF: 949975718664

- sign 402.494 $\pm$ 0.000 χ^2 /NDF: 5882478846433.1

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 11228574.8/19

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 14678068.1/24

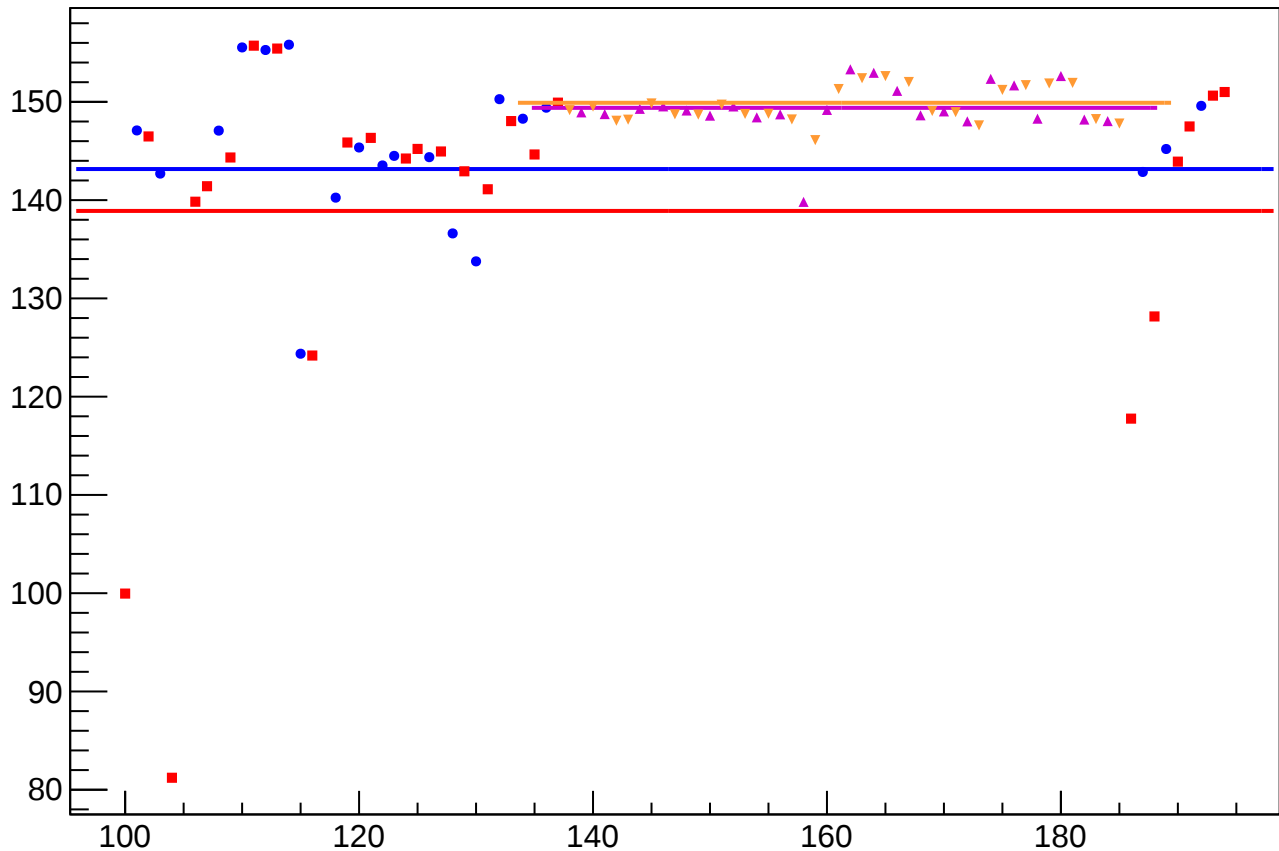
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 40017789.3/44

All: 0.007+/-0.000 χ^2/NDF : 82021146.0/92

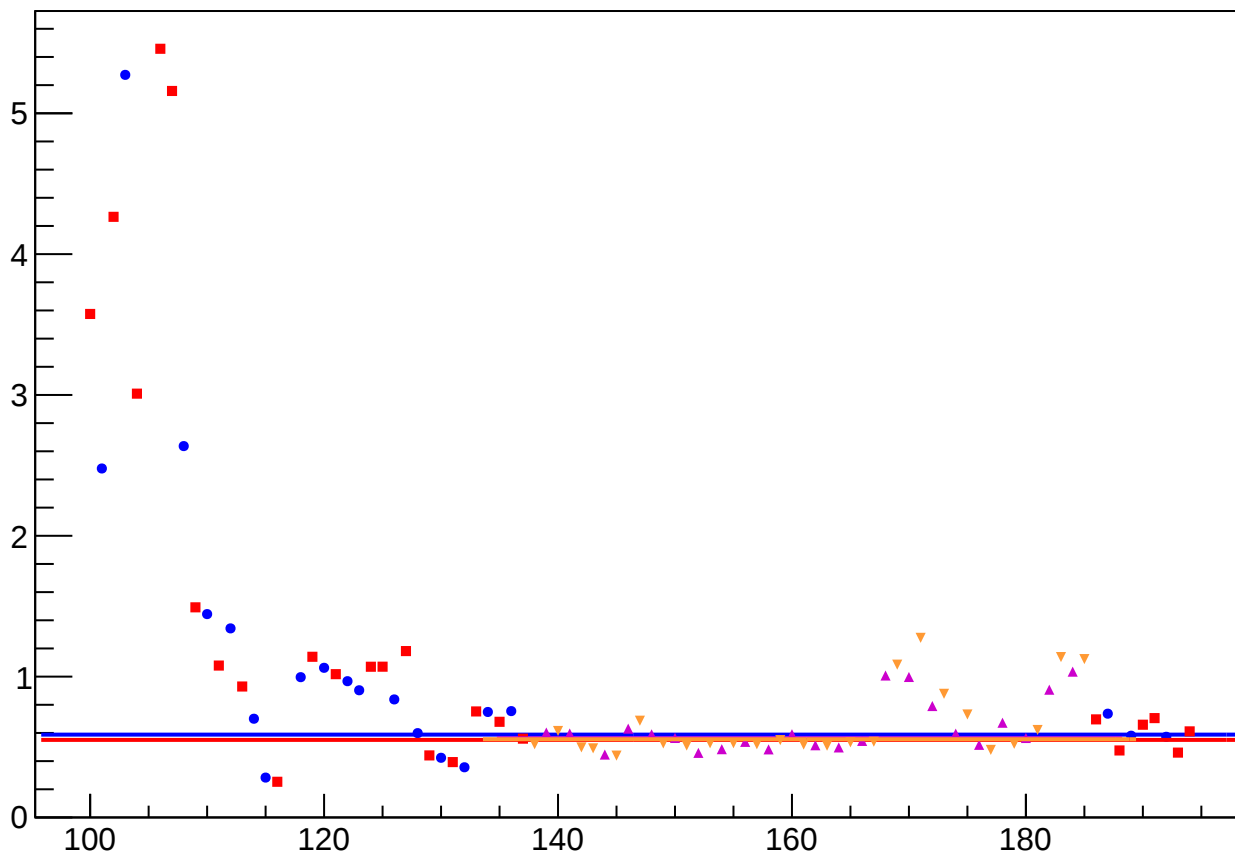
- sign 0.007+/-0.000 χ^2/NDF : 42003276.5/47

yield_cav4cQ_mean vs Slug



Right In: 143.163+/-0.000	χ^2/NDF : 1092424190.7/19	+ sign 148.499+/-0.000	χ^2/NDF : 1738877370.7/44
Left Out: 149.906+/-0.000	χ^2/NDF : 163261802.4/24	All: 147.355+/-0.000	χ^2/NDF : 6618745437.1
Right Out: 138.900+/-0.000	χ^2/NDF : 2719676143.7/24	- sign 146.268+/-0.000	χ^2/NDF : 4715668875.7/47
Left In: 149.391+/-0.000	χ^2/NDF : 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.588 $\pm$ 0.000 χ^2 /NDF: 3483854.0/19

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773380.1/24

Right Out: 0.551 $\pm$ 0.000 χ^2 /NDF: 4811315.4/24

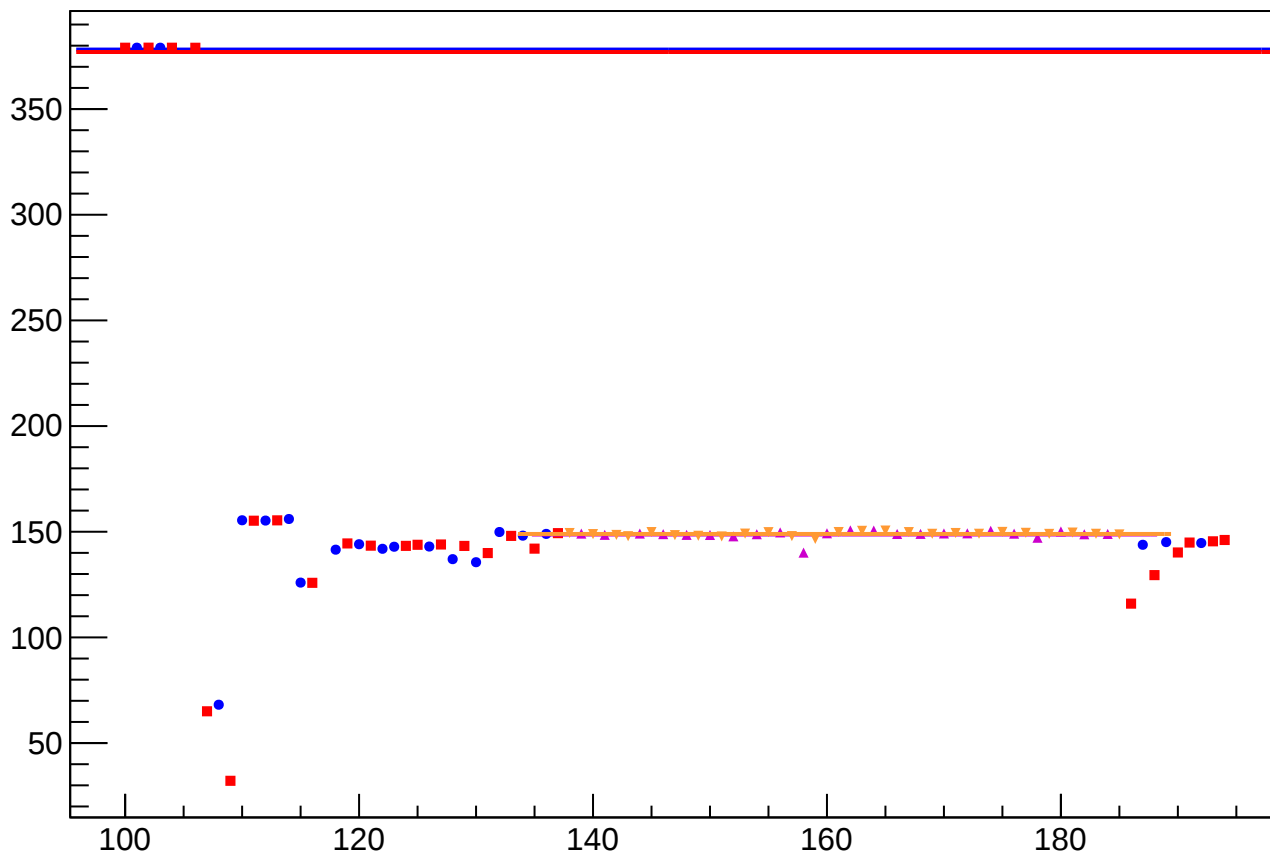
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1311075.2/22

+ sign 0.562 $\pm$ 0.000 χ^2 /NDF: 5280059.6/44

All: 0.560 $\pm$ 0.000 χ^2 /NDF: 11406943.0/92

- sign 0.559 $\pm$ 0.000 χ^2 /NDF: 6126051.9/47

yield_cav4dQ_mean vs Slug



Right In: 378.154+/-0.000 χ^2/NDF : 2907938884237.8/19

Left Out: 148.946+/-0.000 χ^2/NDF : 63974844.7/24

Right Out: 377.009+/-0.000 χ^2/NDF : 9299665401684.4/24

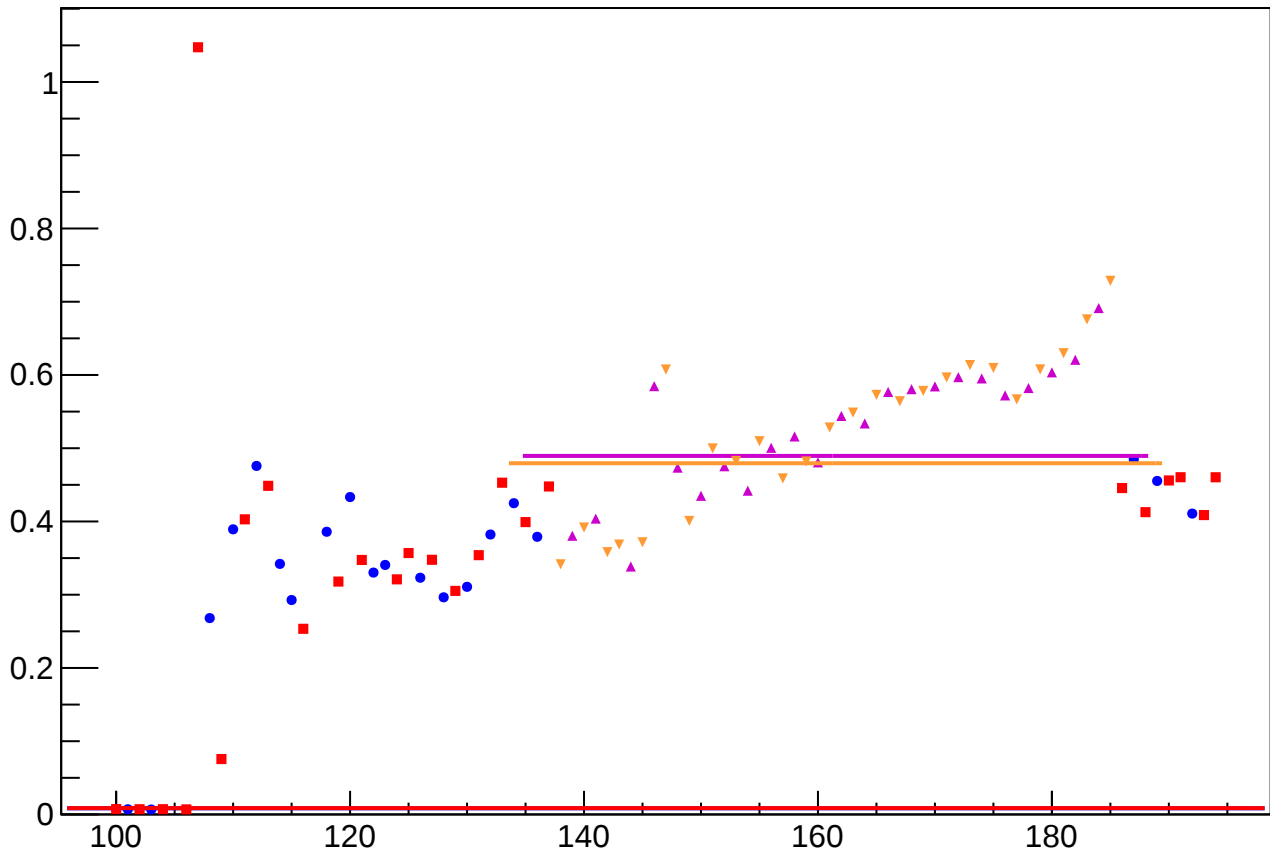
Left In: 148.683+/-0.000 χ^2/NDF : 253848207.3/22

+ sign 376.873+/-0.000 χ^2/NDF : 6818888312339.7

All: 376.397+/-0.000 χ^2/NDF : 197007202860

- sign 375.979+/-0.000 χ^2/NDF : 12876124202111.3

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 12494722.3/19

Left Out: 0.479+/-0.000 χ^2/NDF : 1518765.9/24

Right Out: 0.009+/-0.000 χ^2/NDF : 15857883.7/24

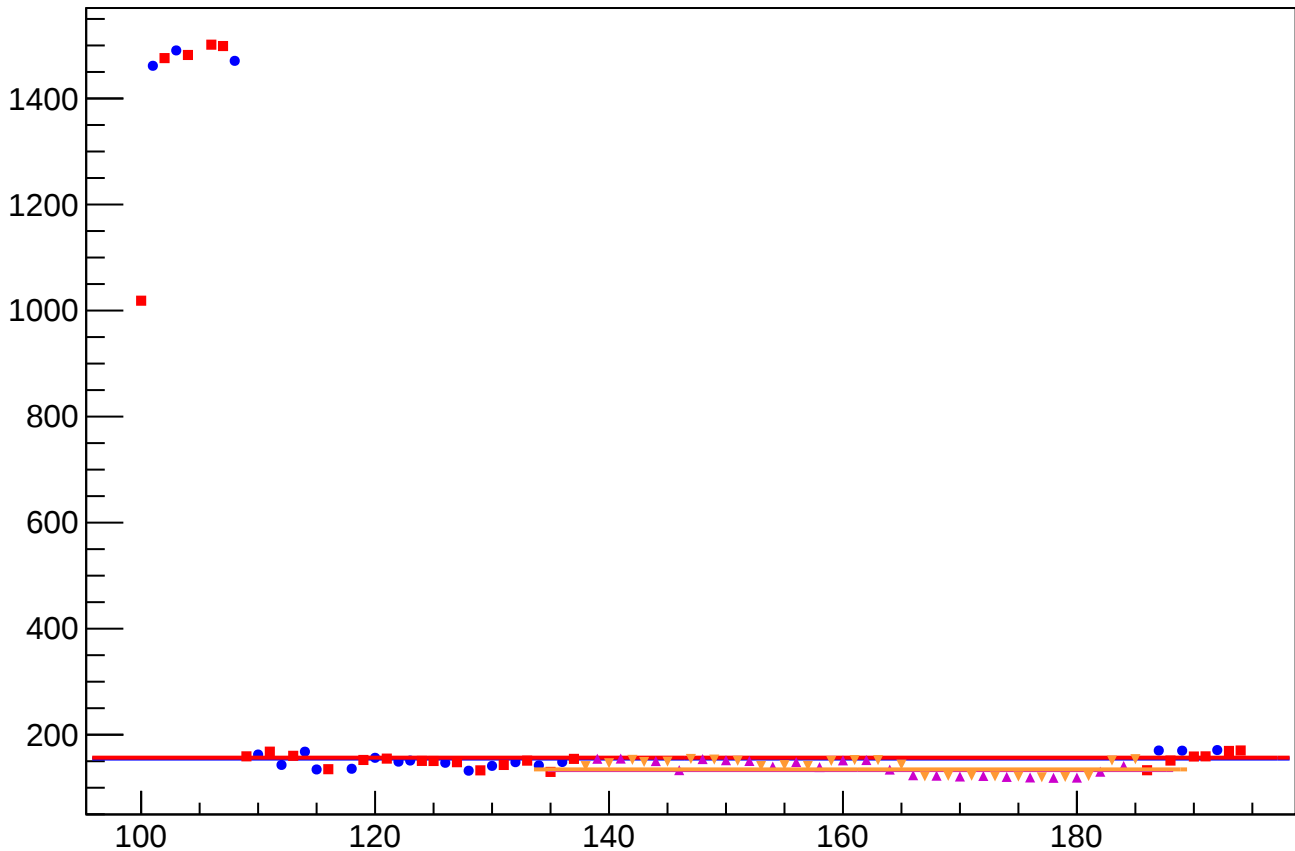
Left In: 0.490+/-0.000 χ^2/NDF : 1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 47060619.4/44

All: 0.011+/-0.000 χ^2/NDF : 95735427.5/92

- sign 0.011+/-0.000 χ^2/NDF : 48674328.3/47

yield_bcm0l02_mean vs Slug



Right In: 154.994 $\pm$ 0.000 χ^2 /NDF: 25373877251.8/19

Left Out: 134.585 $\pm$ 0.000 χ^2 /NDF: 4387324151.1/24

Right Out: 156.733 $\pm$ 0.000 χ^2 /NDF: 34616242296.7/24

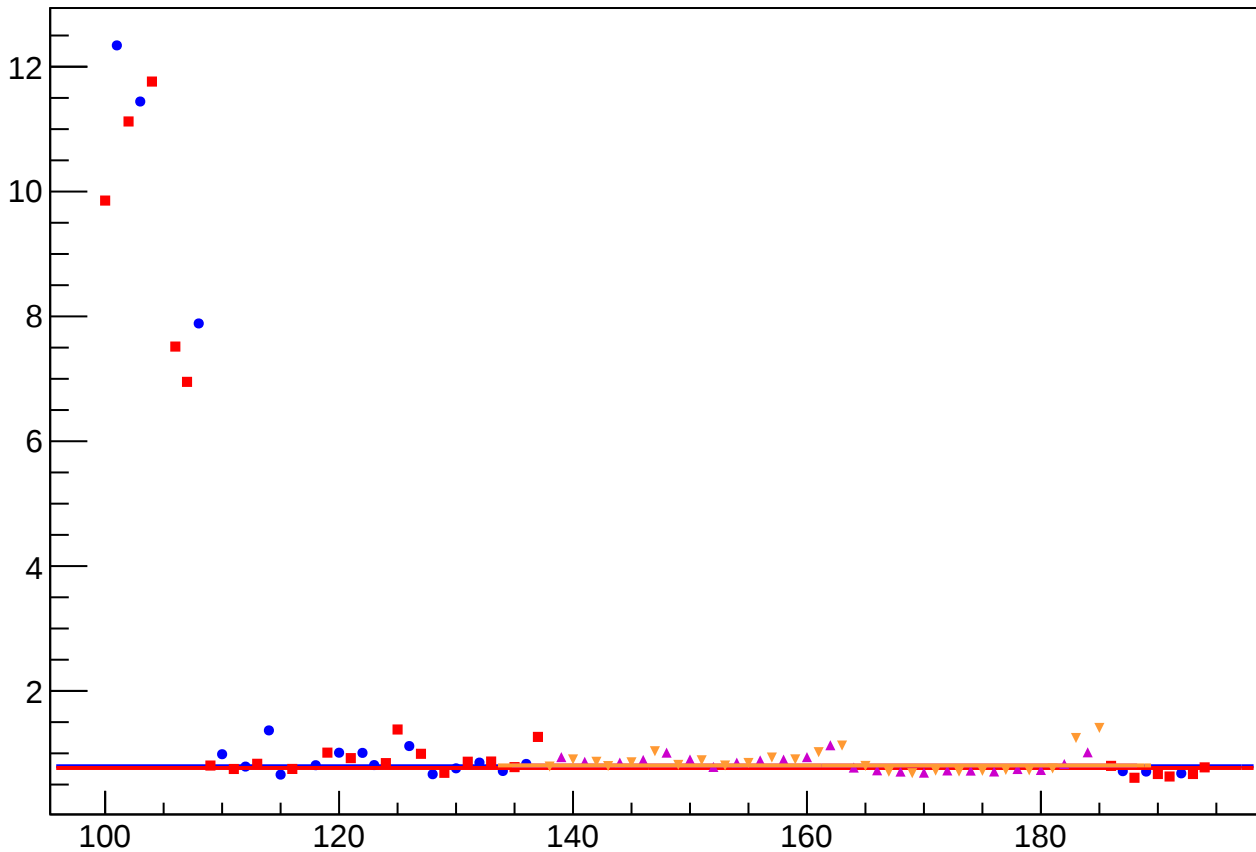
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 139.722 $\pm$ 0.000 χ^2 /NDF: 32250491045.8/44

All: 140.530 $\pm$ 0.000 χ^2 /NDF: 75536823045.8/44

- sign 141.267 $\pm$ 0.000 χ^2 /NDF: 43246752714.3/47

yield_bcm0l02_rms vs Slug



Right In: 0.793 $\pm$ 0.000 χ^2 /NDF: 2756992.1/19

Left Out: 0.807 $\pm$ 0.000 χ^2 /NDF: 704181.3/24

Right Out: 0.766 $\pm$ 0.000 χ^2 /NDF: 3123261.2/24

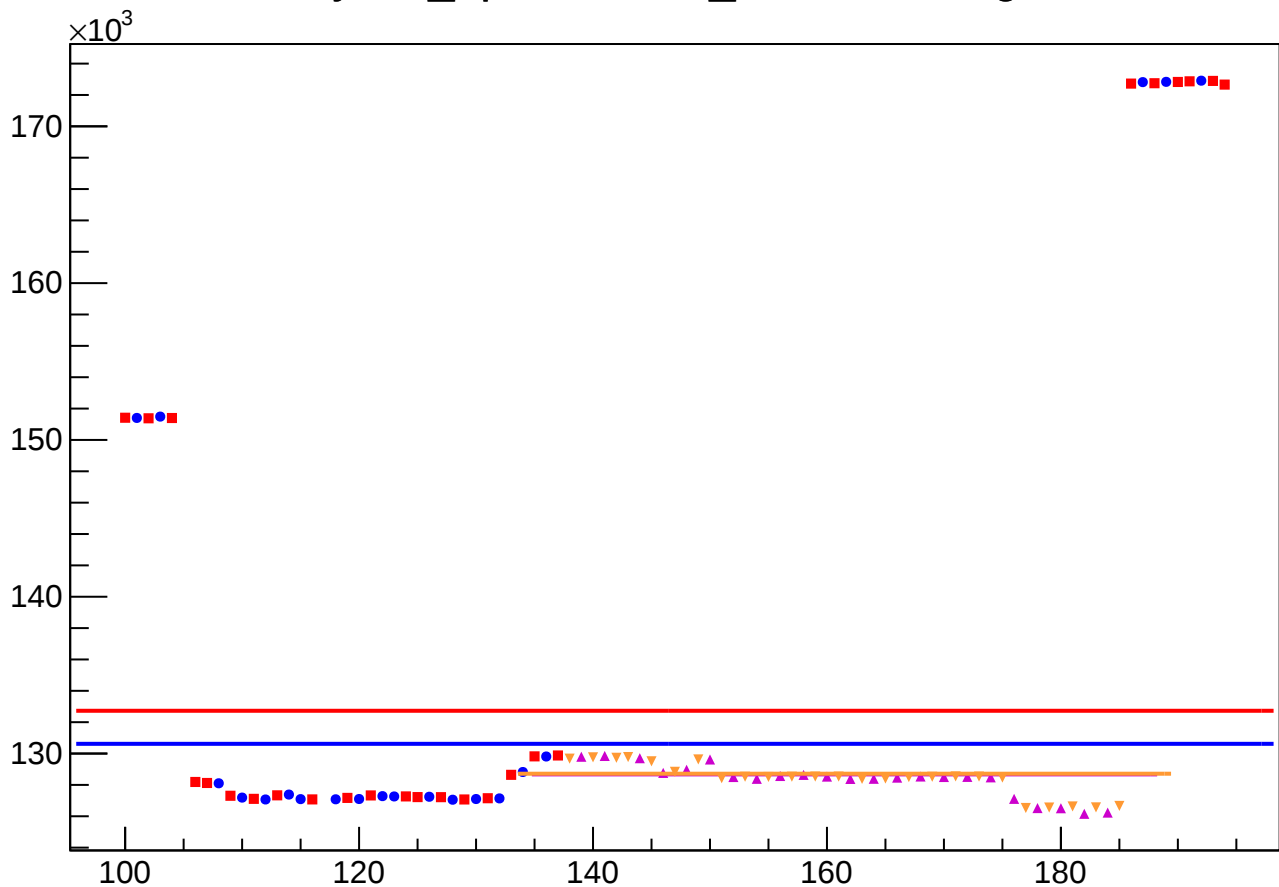
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF: 479689.4/22

+ sign 0.803 $\pm$ 0.000 χ^2 /NDF: 3463428.3/44

All: 0.797 $\pm$ 0.000 χ^2 /NDF: 7094458.3/92

- sign 0.791 $\pm$ 0.000 χ^2 /NDF: 3626376.8/47

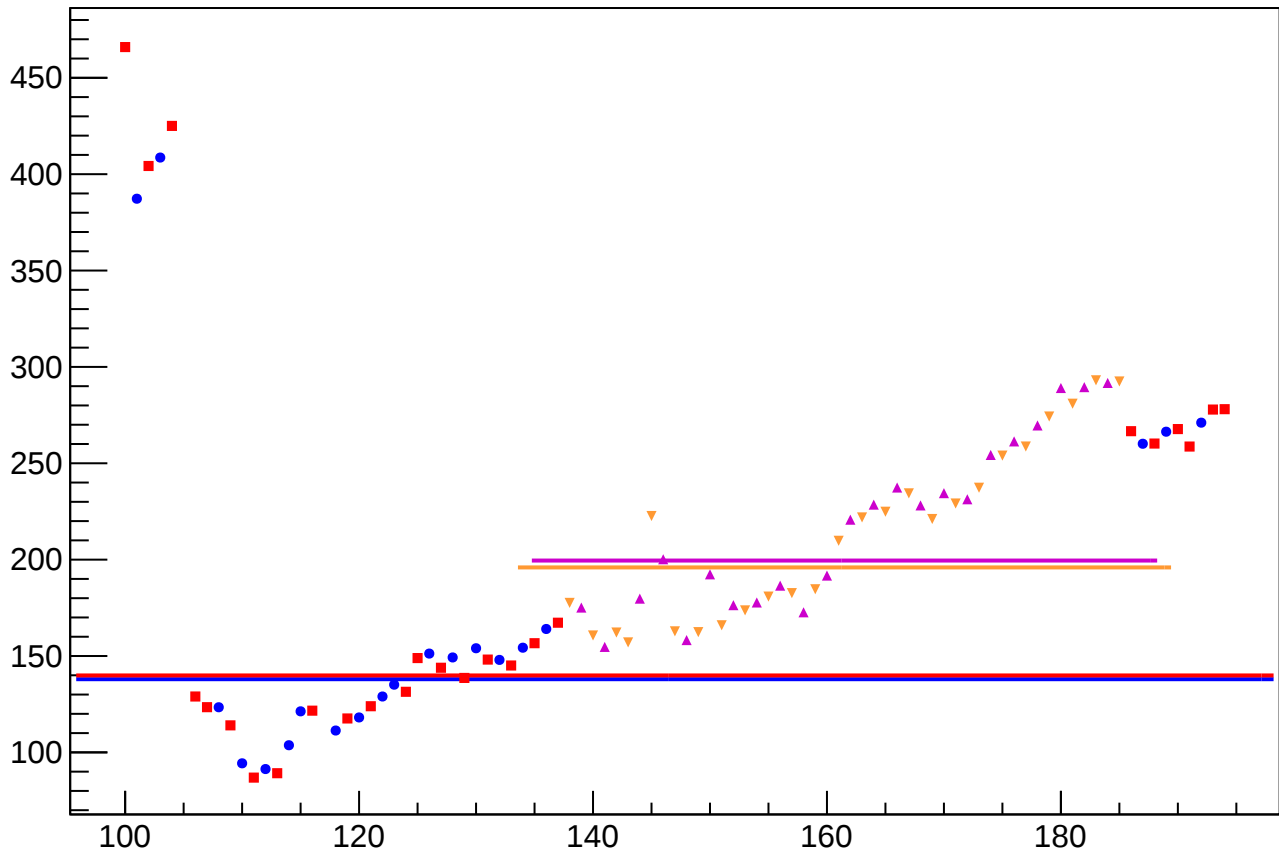
yield_bpm2i01WS_mean vs Slug



Right In: 130619.803 $\pm$ 0.053 χ^2 /NDF: 432919999994.8/19
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 132727.667 $\pm$ 0.048 χ^2 /NDF: 88560761864.1/24
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22

+ sign 129545.342 $\pm$ 0.035 χ^2 /NDF: 44368543107.
 All: 130164.151 $\pm$ 0.024 χ^2 /NDF: 137411389
 - sign 130750.310 $\pm$ 0.034 χ^2 /NDF: 92435085639.4

yield_bpm2i01WS_rms vs Slug



Right In: 137.968 $\pm$ 0.037 χ^2 /NDF: 2228460.7/19

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 139.917 $\pm$ 0.034 χ^2 /NDF: 3299902.4/24

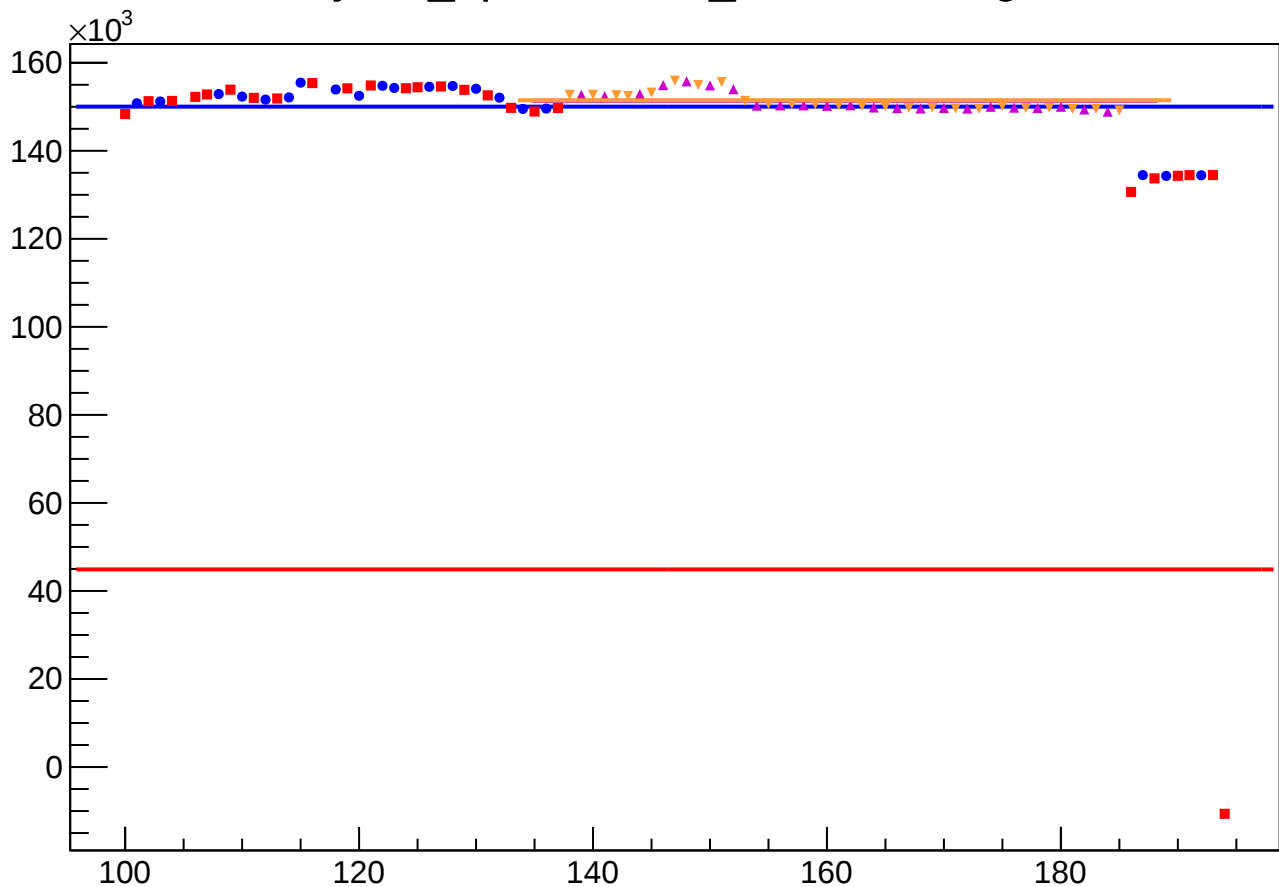
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 170.662 $\pm$ 0.025 χ^2 /NDF: 4893053.3/44

All: 169.792 $\pm$ 0.017 χ^2 /NDF: 10898716.2/92

- sign 168.969 $\pm$ 0.024 χ^2 /NDF: 6003263.3/47

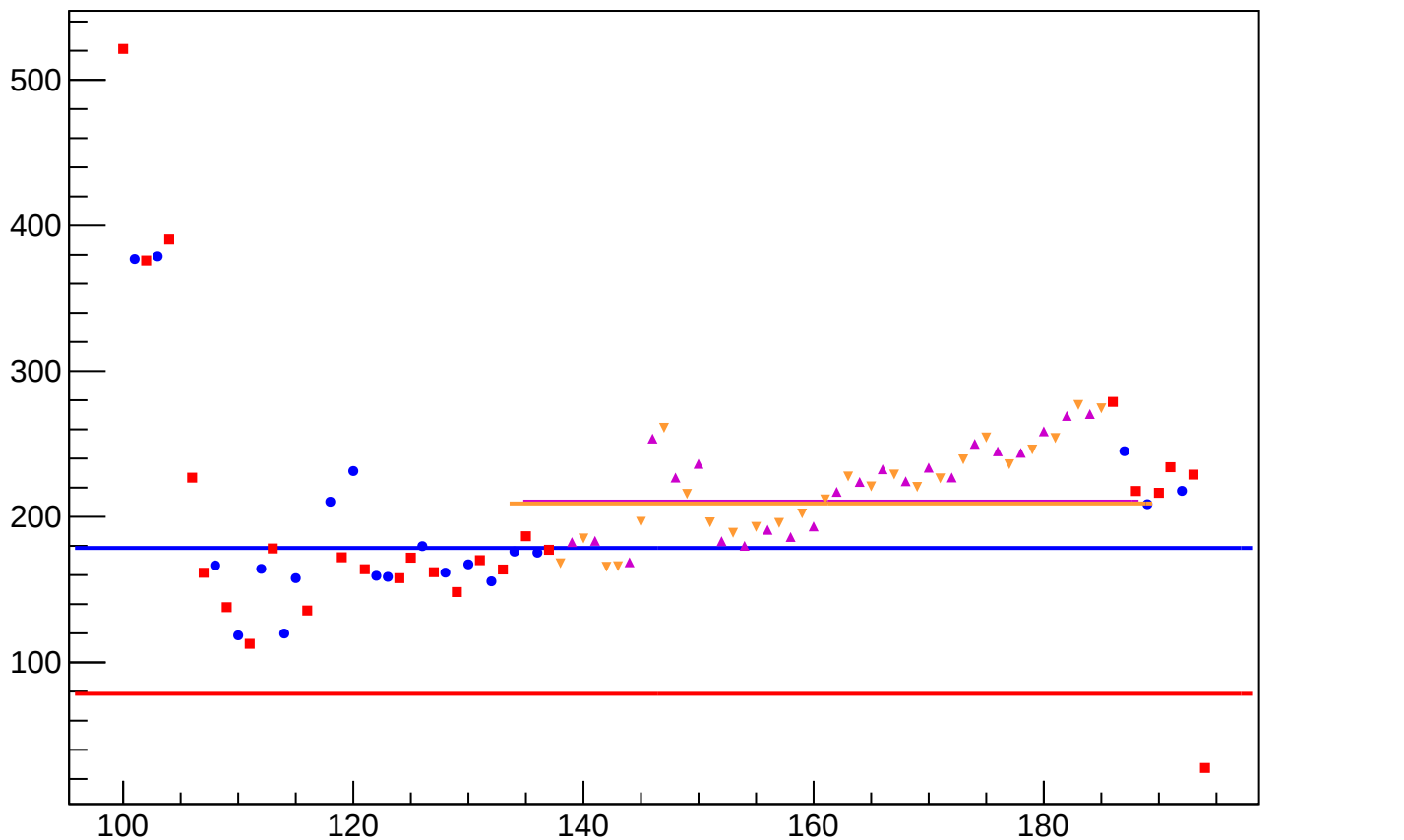
yield_bpm0i07WS_mean vs Slug



Right In: 150035.842 ± 0.067 $\chi^2/\text{NDF}: 9546049292.6/19$
 Left Out: 151480.339 ± 0.049 $\chi^2/\text{NDF}: 1483692735.3/24$
 Right Out: 44895.658 ± 0.035 $\chi^2/\text{NDF}: 4651734998368.5/24$
 Left In: 151362.440 ± 0.051 $\chi^2/\text{NDF}: 1426782789.9/22$

+ sign 150971.426 ± 0.040 $\chi^2/\text{NDF}: 11330103091.1$
 All: 104280.681 ± 0.024 $\chi^2/\text{NDF}: 969930154$
 - sign 79304.051 ± 0.029 $\chi^2/\text{NDF}: 7577063857108$

yield_bpm0i07WS_rms vs Slug



Right In: 178.558 $\pm$ 0.047 χ^2 /NDF: 1038624.5/19

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 78.455 $\pm$ 0.025 χ^2 /NDF: 9198579.3/24

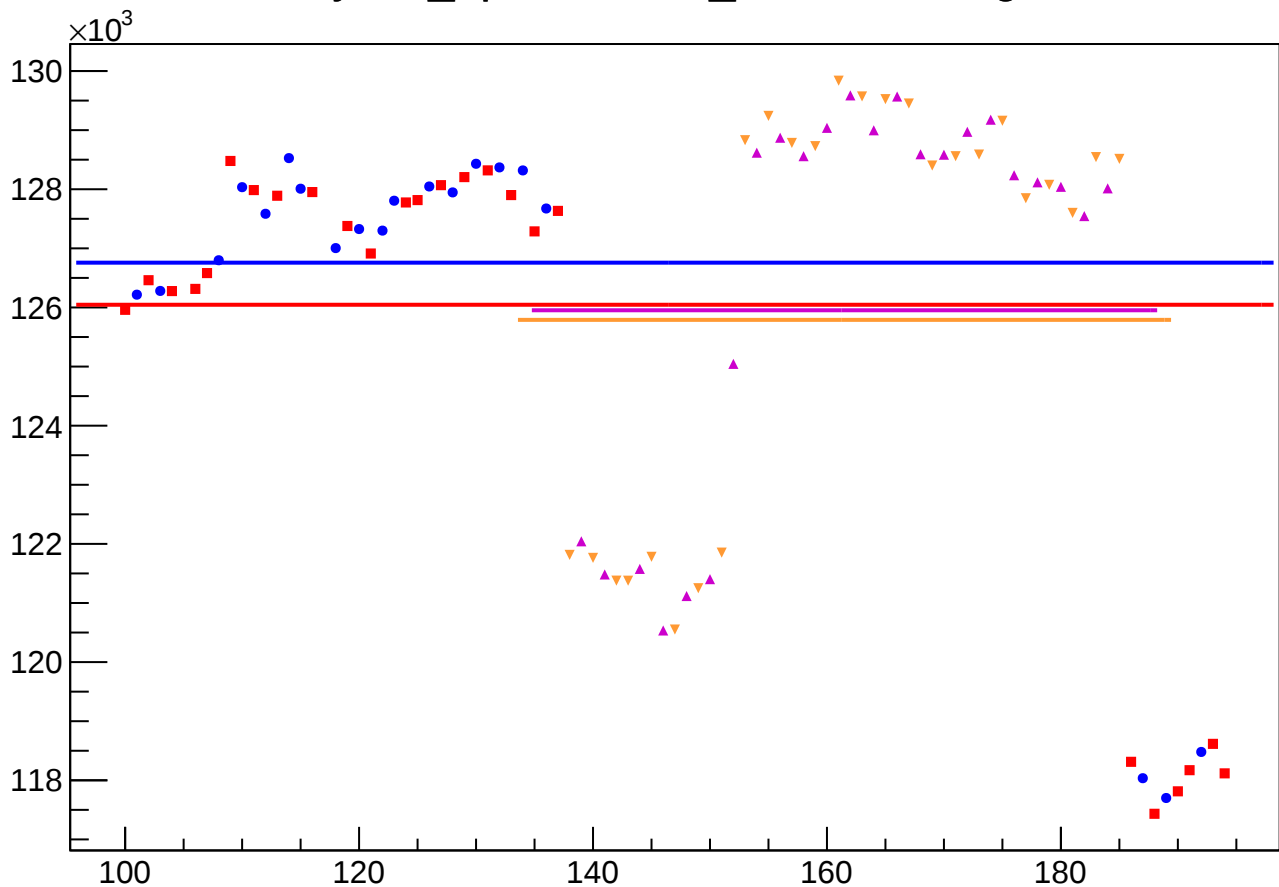
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 198.376 $\pm$ 0.028 χ^2 /NDF: 2018255.9/44

All: 148.036 $\pm$ 0.017 χ^2 /NDF: 25793992.7/92

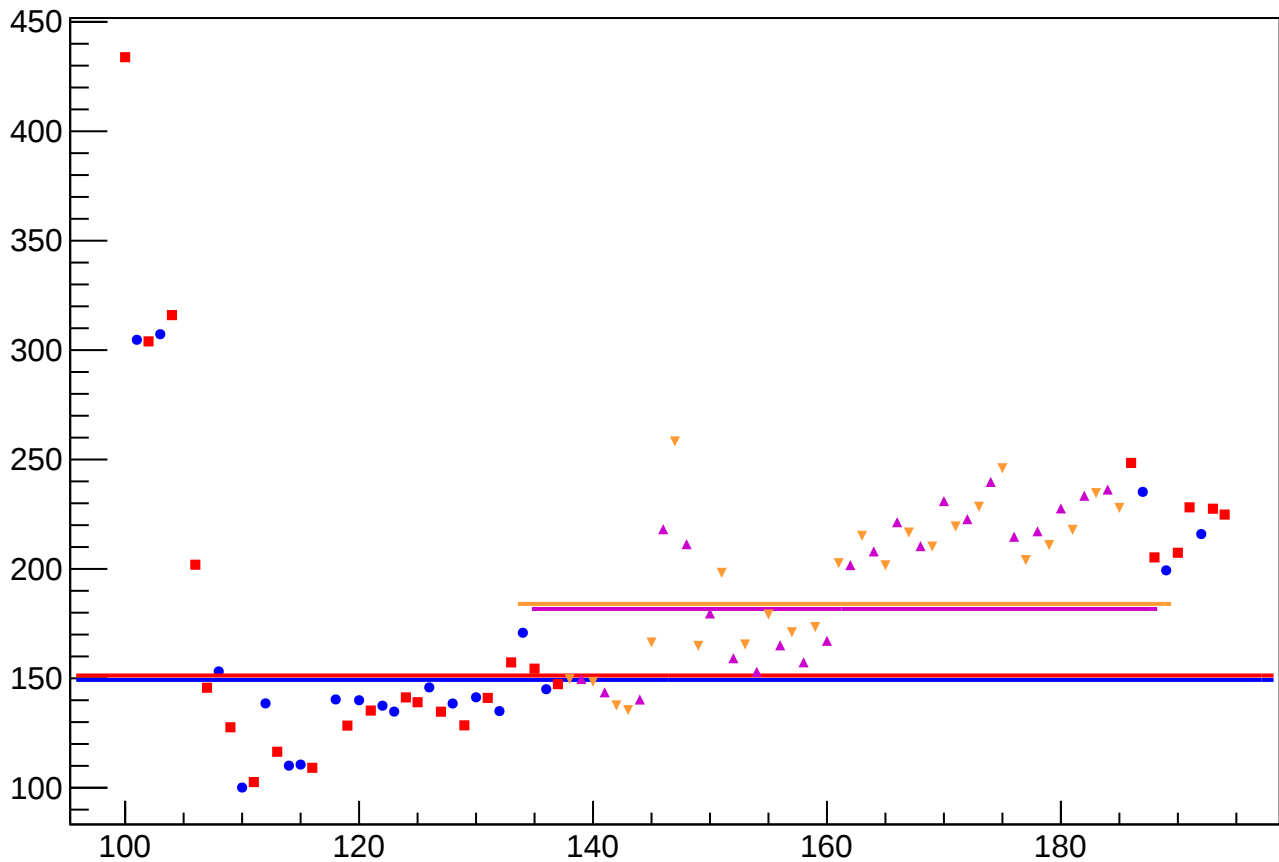
- sign 121.108 $\pm$ 0.021 χ^2 /NDF: 18868272.7/47

yield_bpm0l01WS_mean vs Slug



Right In: 126757.877 ± 0.055	$\chi^2/\text{NDF}: 2775715937.9/19$	+ sign 126164.087 ± 0.034	$\chi^2/\text{NDF}: 9707289499.7$
Left Out: 125790.126 ± 0.044	$\chi^2/\text{NDF}: 6744310079.8/24$	All: 126076.036 ± 0.024	$\chi^2/\text{NDF}: 211775374$
Right Out: 126045.762 ± 0.050	$\chi^2/\text{NDF}: 5613879768.3/24$	- sign 125994.216 ± 0.033	$\chi^2/\text{NDF}: 11457634141.1$
Left In: 125952.447 ± 0.045	$\chi^2/\text{NDF}: 5841800367.5/22$		

yield_bpm0l01WS_rms vs Slug



Right In: 149.290 $\pm$ 0.039 χ^2 /NDF: 1129642.9/19

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF:1126592.5/24

Right Out: 151.298 $\pm$ 0.035 χ^2 /NDF: 1778637.1/24

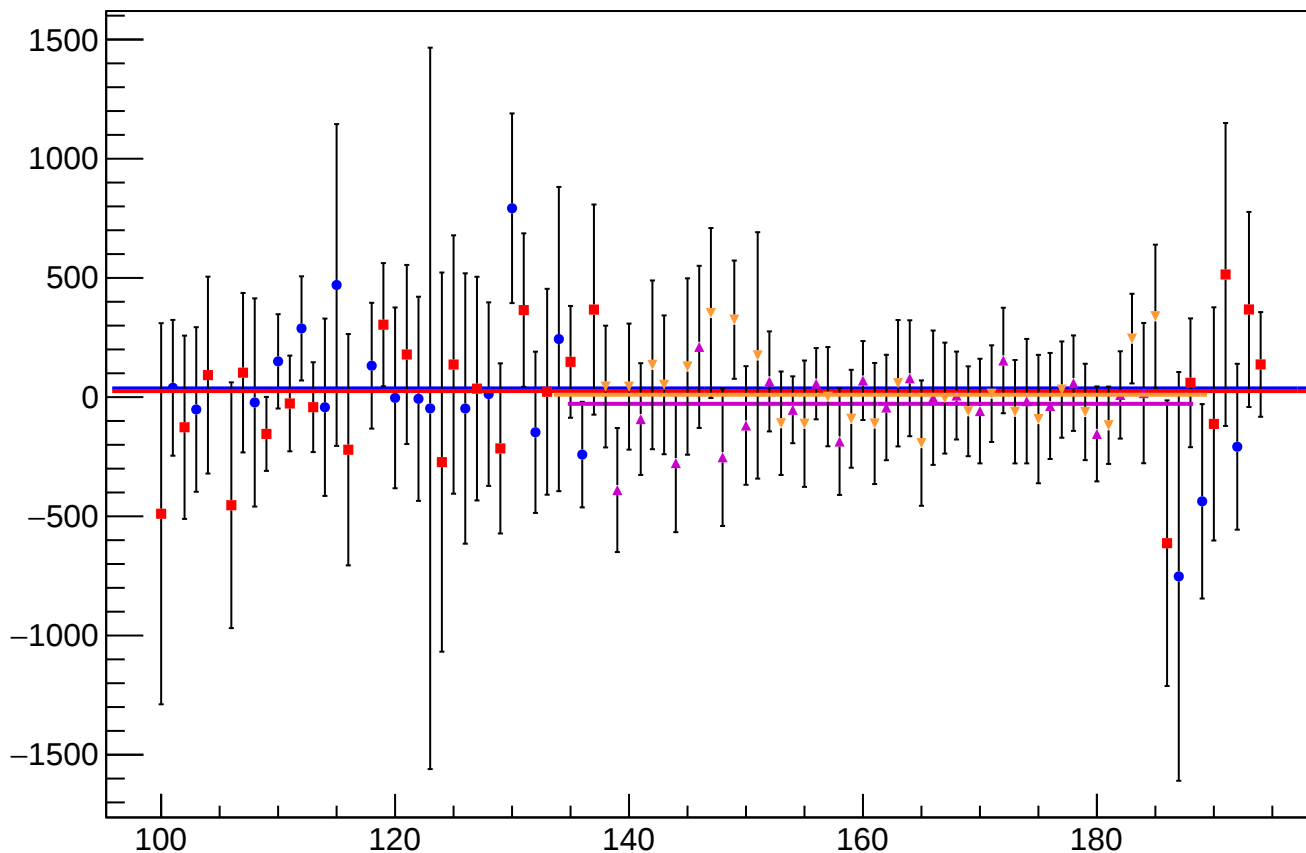
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF:1116142.0/22

+ sign 170.605 $\pm$ 0.024 χ^2 /NDF: 2738836.0/44

All: 169.306 $\pm$ 0.017 χ^2 /NDF: 6054304.8/92

- sign 168.099 $\pm$ 0.023 χ^2 /NDF: 3309977.6/47

asym_bcm_an_ds_mean vs Slug



Right In: 36.546 ± 76.128 χ^2/NDF : 10.7/19

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 25.480 ± 62.831 χ^2/NDF : 10.0/24

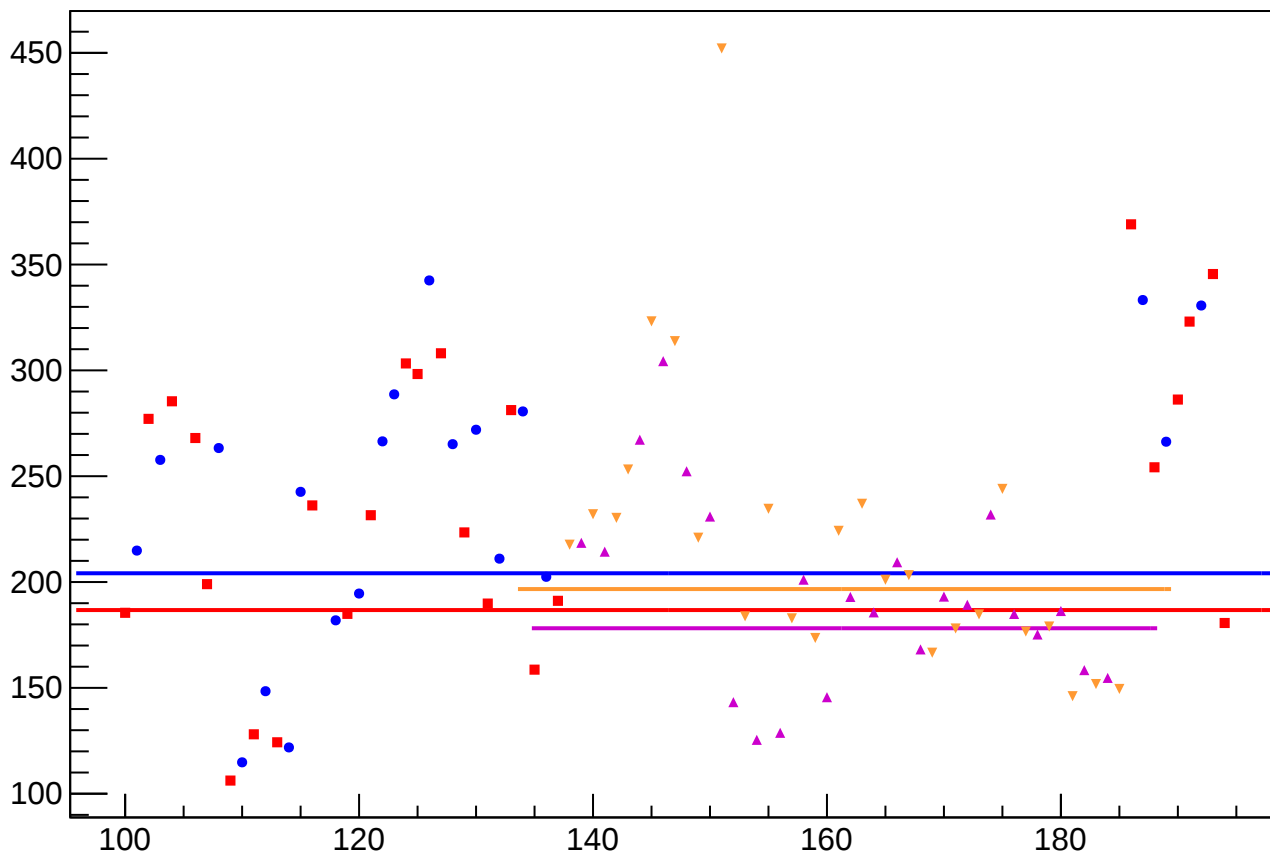
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign 17.492 ± 40.292 χ^2/NDF : 19.2/44

All: 2.266 ± 26.991 χ^2/NDF : 36.9/92

- sign -10.129 ± 36.354 χ^2/NDF : 17.5/47

asym_bcm_an_ds_rms vs Slug



Right In: 204.142 $\pm$ 0.054 χ^2 /NDF: 1407458.4/19

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 186.761 $\pm$ 0.044 χ^2 /NDF: 2450506.1/24

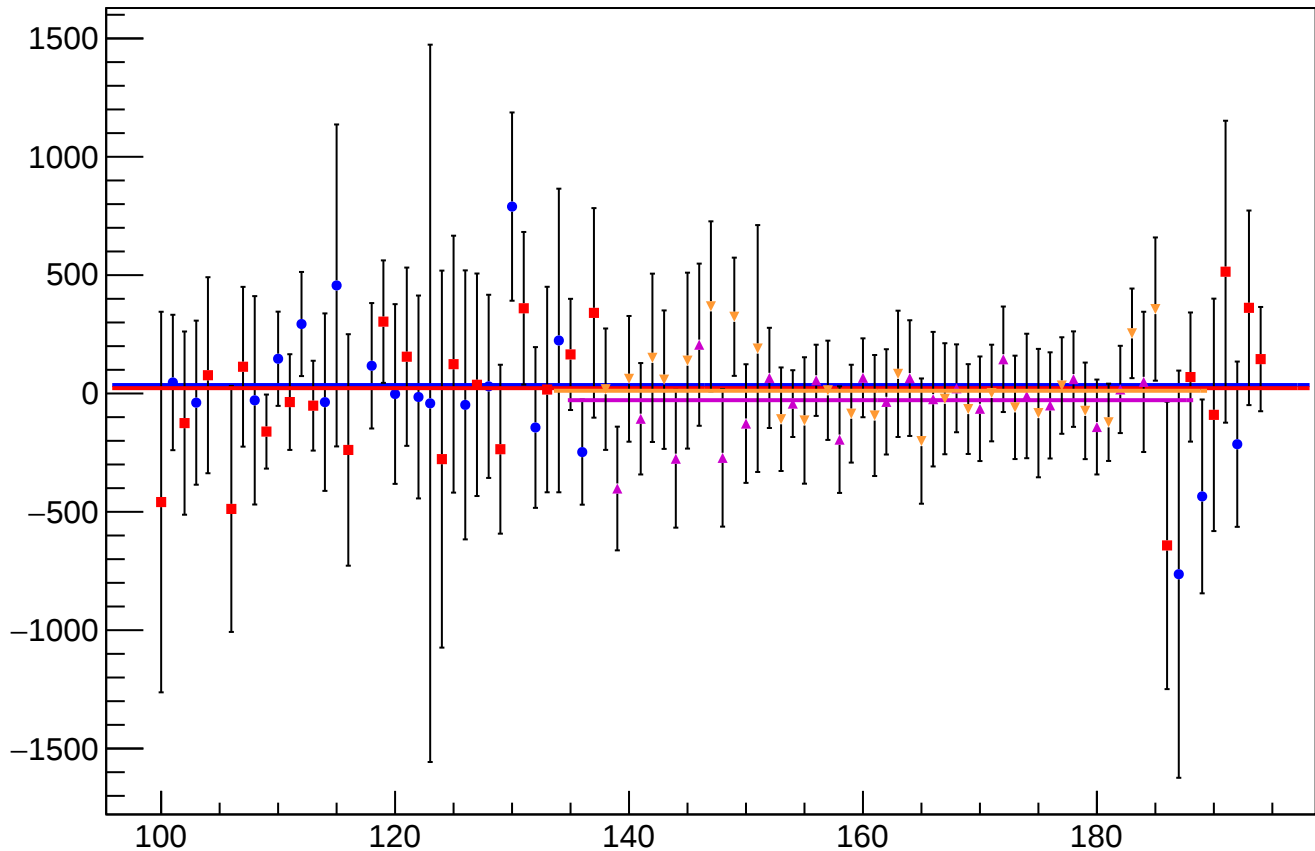
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 198.771 $\pm$ 0.028 χ^2 /NDF: 3203999.9/44

All: 188.999 $\pm$ 0.019 χ^2 /NDF: 7511808.2/92

- sign 181.043 $\pm$ 0.026 χ^2 /NDF: 4094374.8/47

asym_bcm_an_ds3_mean vs Slug



Right In: 35.674 $\pm$ 76.492 χ^2 /NDF: 10.6/19

Left Out: 11.479 $\pm$ 47.819 χ^2 /NDF: 8.8/24

Right Out: 22.459 $\pm$ 63.170 χ^2 /NDF: 10.3/24

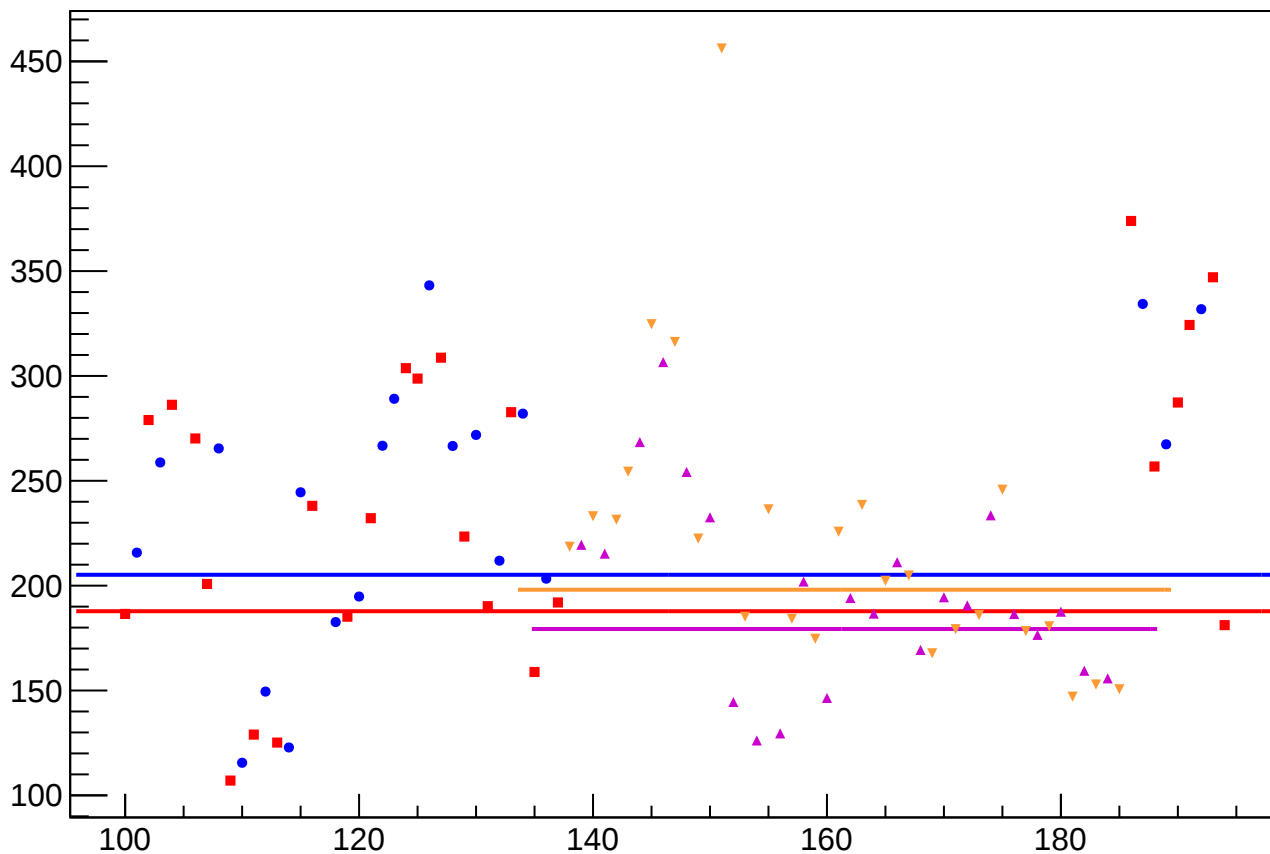
Left In: -28.280 $\pm$ 44.863 χ^2 /NDF: 7.1/22

+ sign 18.278 $\pm$ 40.548 χ^2 /NDF: 19.5/44

All: 1.988 $\pm$ 27.160 χ^2 /NDF: 37.6/92

- sign -11.268 $\pm$ 36.577 χ^2 /NDF: 17.8/47

asym_bcm_an_ds3_rms vs Slug



Right In: 205.187 $\pm$ 0.054 χ^2 /NDF: 1396988.4/19

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF: 1778526.5/24

Right Out: 187.808 $\pm$ 0.045 χ^2 /NDF: 2442661.2/24

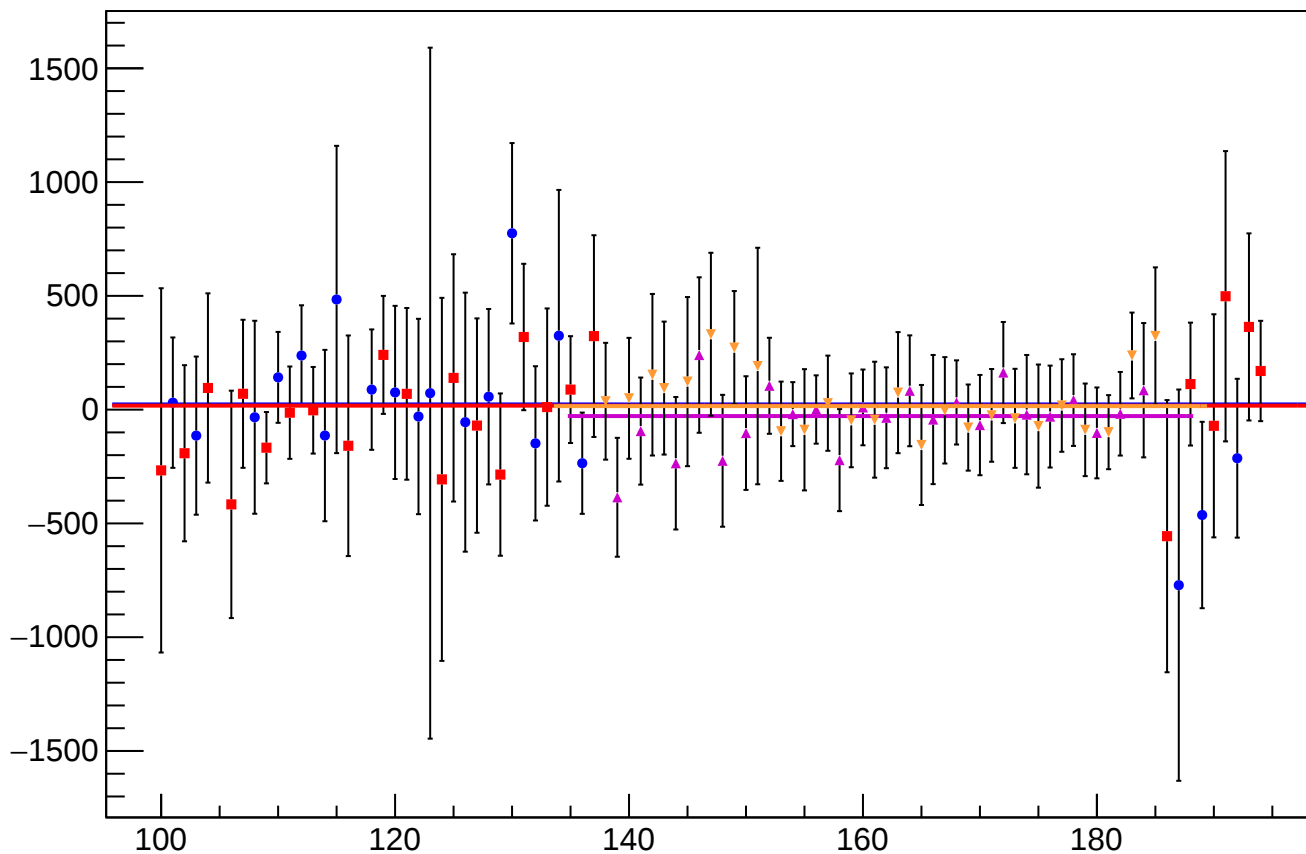
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF: 1618266.2/22

+ sign 200.062 $\pm$ 0.029 χ^2 /NDF: 3188000.7/44

All: 190.196 $\pm$ 0.019 χ^2 /NDF: 7487645.0/92

- sign 182.168 $\pm$ 0.026 χ^2 /NDF: 4084907.6/47

asym_bcm_an_us_mean vs Slug



Right In: 22.894 $\pm$ 76.487 χ^2 /NDF: 10.3/19

Left Out: 15.437 $\pm$ 47.695 χ^2 /NDF: 7.0/24

Right Out: 17.535 $\pm$ 63.072 χ^2 /NDF: 8.8/24

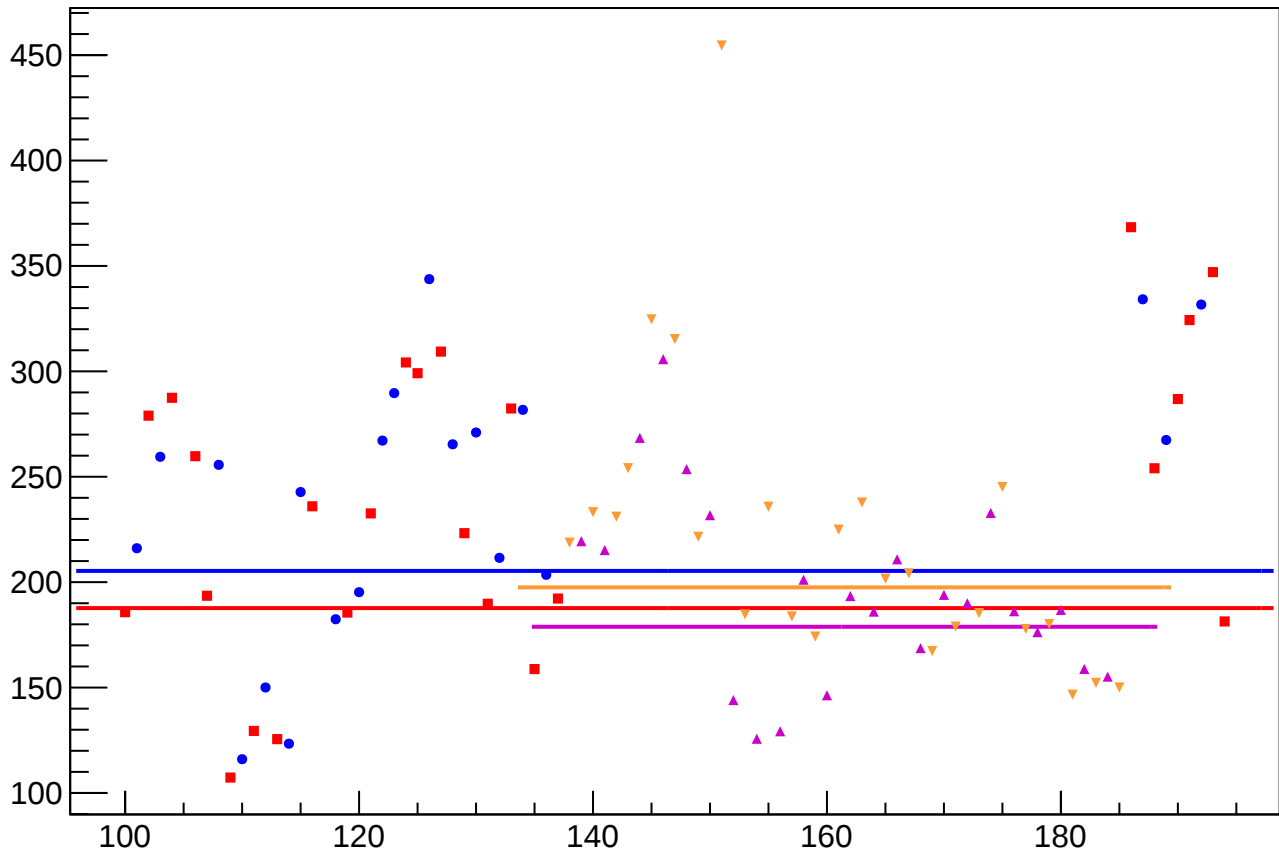
Left In: -28.277 $\pm$ 44.743 χ^2 /NDF: 6.4/22

+ sign 17.525 $\pm$ 40.471 χ^2 /NDF: 17.3/44

All: 0.722 $\pm$ 27.102 χ^2 /NDF: 33.1/92

- sign -12.940 $\pm$ 36.493 χ^2 /NDF: 15.5/47

asym_bcm_an_us_rms vs Slug



Right In: 205.335 ± 0.054 χ^2/NDF : 1373516.5/19

Left Out: 197.527 ± 0.034 χ^2/NDF : 1784225.5/24

Right Out: 187.699 ± 0.045 χ^2/NDF : 2406198.7/24

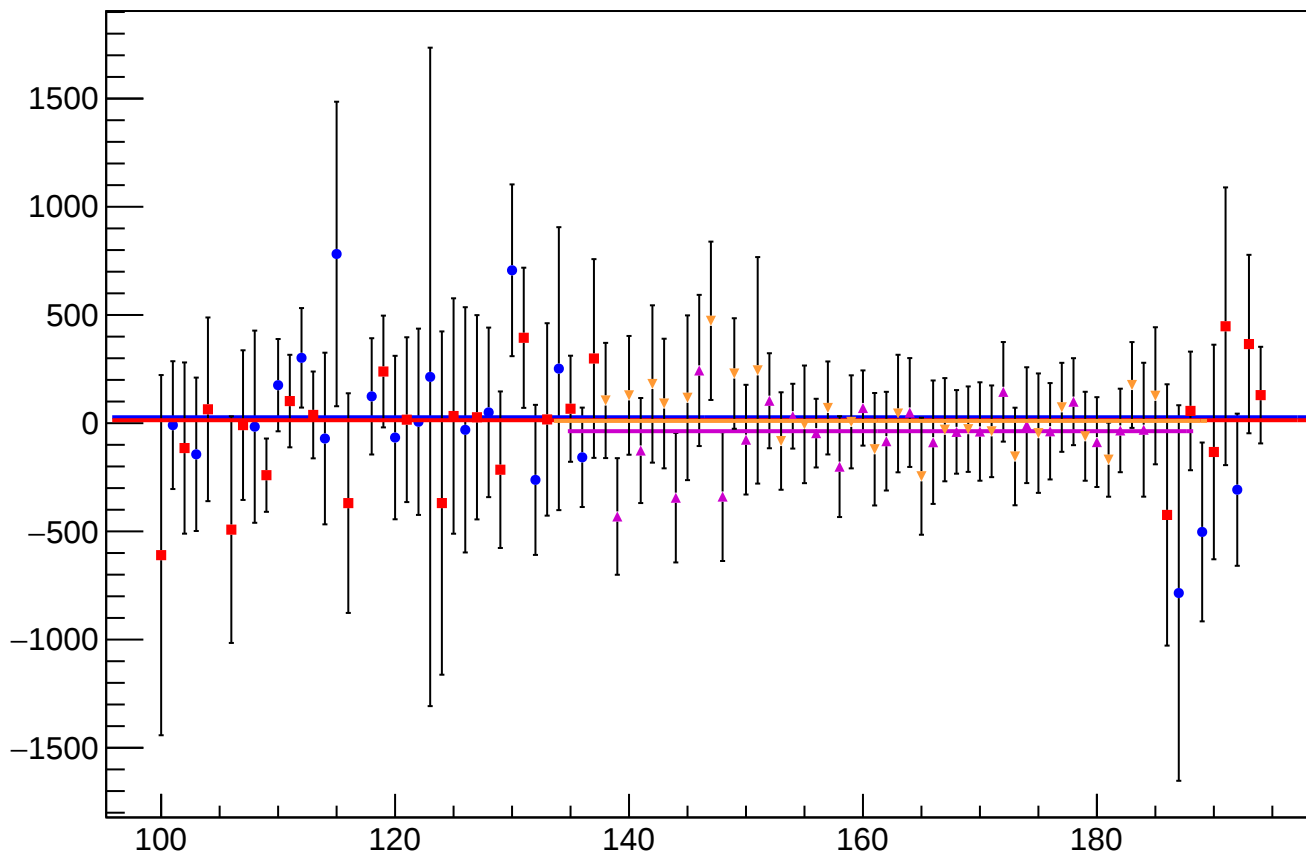
Left In: 178.836 ± 0.032 χ^2/NDF : 1622266.9/22

+ sign 199.713 ± 0.029 χ^2/NDF : 3172745.8/44

All: 189.835 ± 0.019 χ^2/NDF : 7443520.1/92

- sign 181.803 ± 0.026 χ^2/NDF : 4054739.6/47

asym_bcm_dg_us_mean vs Slug



Right In: 27.356 $\pm$ 78.727 χ^2 /NDF: 11.4/19

Left Out: 10.534 $\pm$ 49.197 χ^2 /NDF: 7.5/24

Right Out: 13.690 $\pm$ 65.322 χ^2 /NDF: 9.9/24

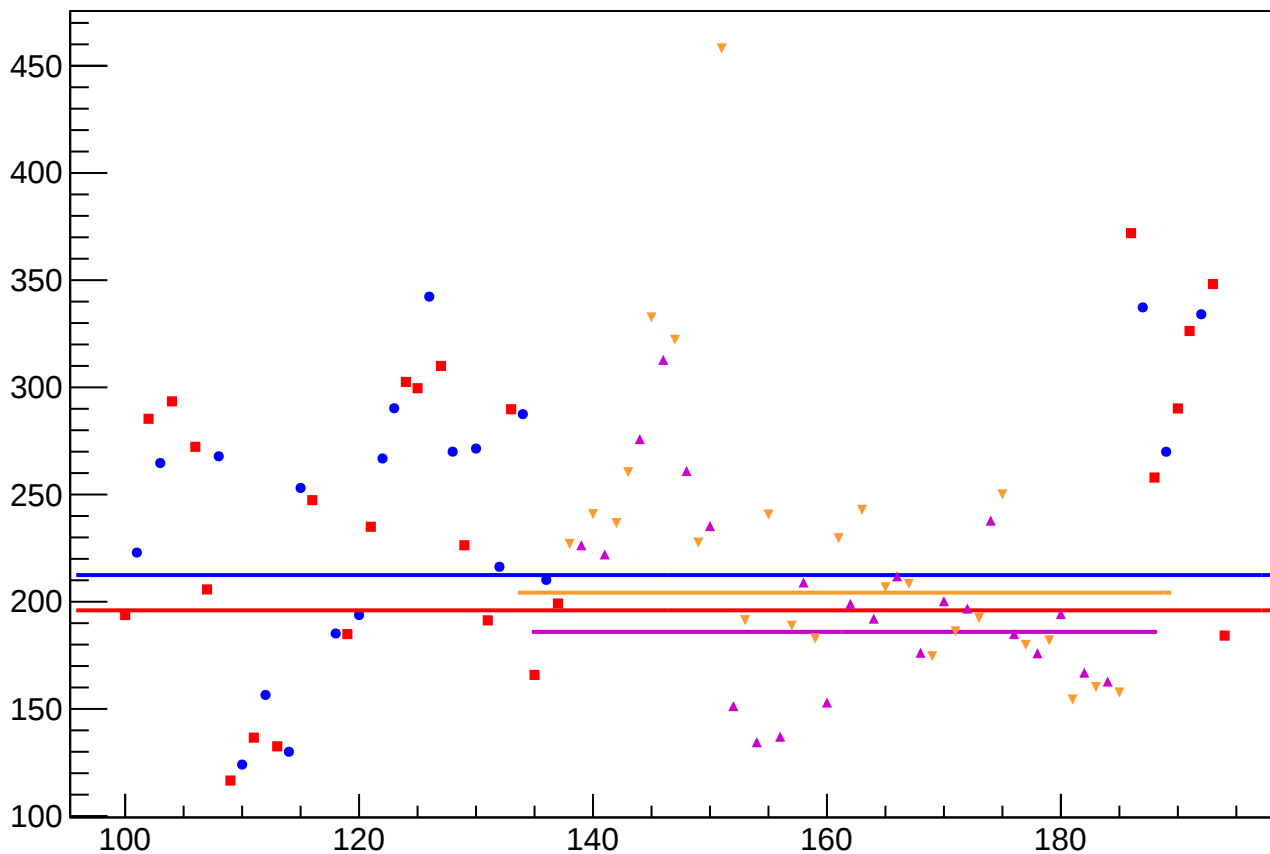
Left In: -37.000 $\pm$ 46.358 χ^2 /NDF: 7.9/22

+ sign 15.258 $\pm$ 41.720 χ^2 /NDF: 18.9/44

All: -4.114 $\pm$ 28.014 χ^2 /NDF: 37.5/92

- sign -20.021 $\pm$ 37.805 χ^2 /NDF: 18.2/47

asym_bcm_dg_us_rms vs Slug



Right In: 212.433+/-0.056 χ^2/NDF : 1233743.9/19

Left Out: 204.236+/-0.035 χ^2/NDF : 1675666.0/24

Right Out: 195.983+/-0.046 χ^2/NDF : 2154673.4/24

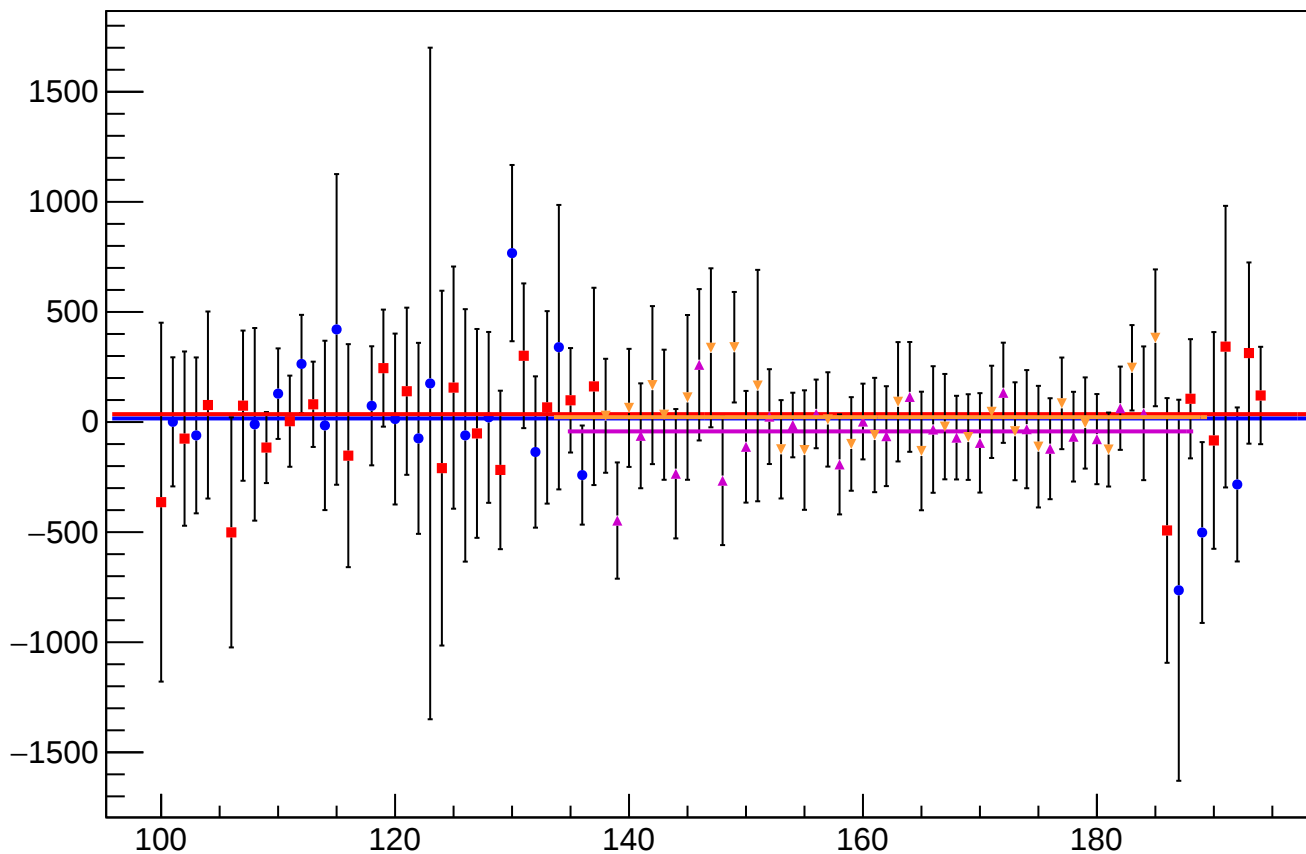
Left In: 185.931+/-0.033 χ^2/NDF : 1460065.0/22

+ sign 206.538+/-0.030 χ^2/NDF : 2925003.3/44

All: 197.071+/-0.020 χ^2/NDF : 6758760.3/92

- sign 189.298+/-0.027 χ^2/NDF : 3646232.5/47

asym_bcm_dg_ds_mean vs Slug



Right In: 16.345 $\pm$ 77.754 χ^2 /NDF: 10.5/19

Left Out: 22.189 $\pm$ 48.738 χ^2 /NDF: 8.4/24

Right Out: 35.885 $\pm$ 64.188 χ^2 /NDF: 6.4/24

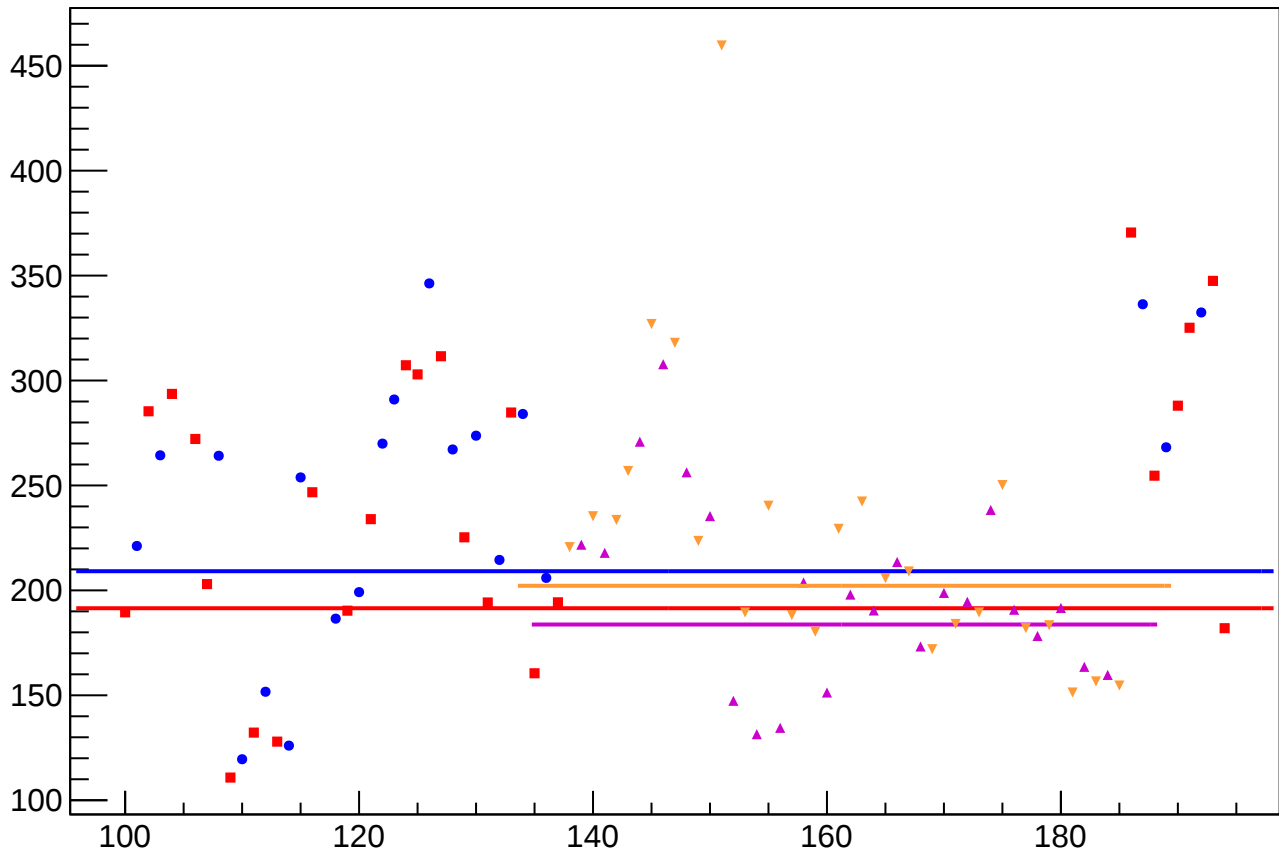
Left In: -42.446 $\pm$ 45.861 χ^2 /NDF: 6.7/22

+ sign 20.540 $\pm$ 41.296 χ^2 /NDF: 18.8/44

All: 0.439 $\pm$ 27.686 χ^2 /NDF: 33.4/92

- sign -15.973 $\pm$ 37.315 χ^2 /NDF: 14.1/47

asym_bcm_dg_ds_rms vs Slug



Right In: 209.130 $\pm$ 0.055 χ^2 /NDF: 1329976.1/19

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF: 1696571.9/24

Right Out: 191.489 $\pm$ 0.045 χ^2 /NDF: 2342785.0/24

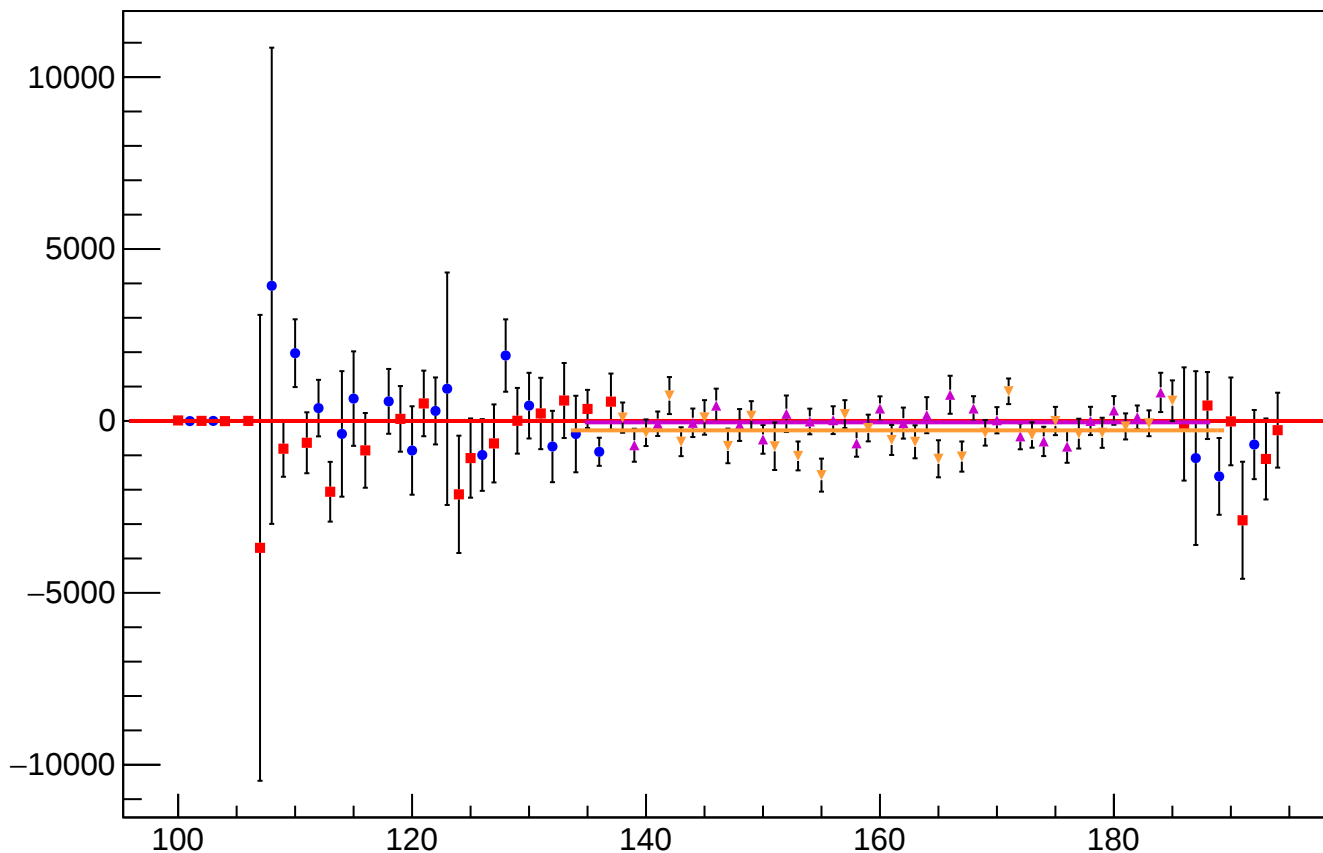
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF: 1495930.4/22

+ sign 204.145 $\pm$ 0.029 χ^2 /NDF: 3037999.1/44

All: 194.351 $\pm$ 0.020 χ^2 /NDF: 7100407.1/92

- sign 186.354 $\pm$ 0.026 χ^2 /NDF: 3858054.4/47

asym_cav4bQ_mean vs Slug



Right In: -1.539 ± 2.251 χ^2/NDF : 19.6/19

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.738 ± 2.111 χ^2/NDF : 22.3/24

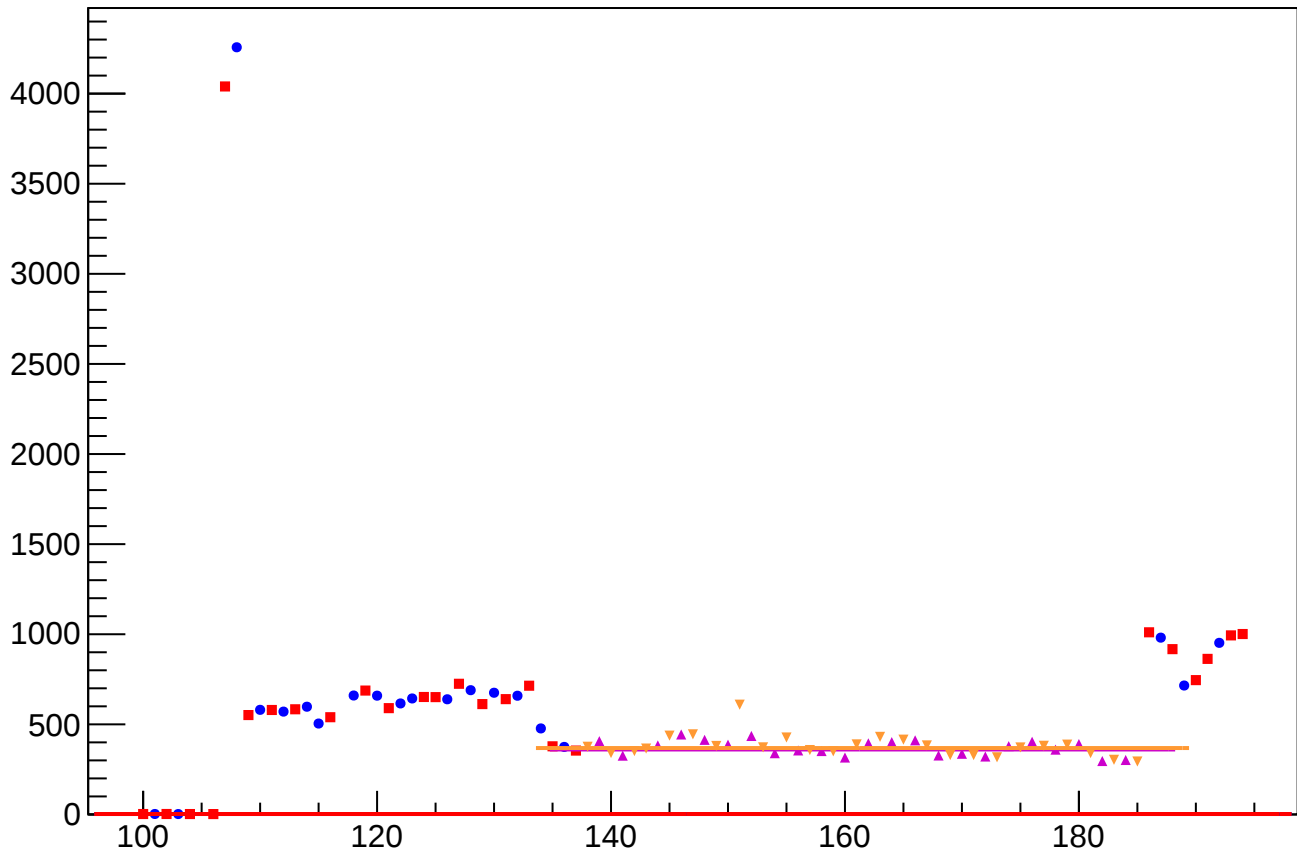
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.722 ± 2.251 χ^2/NDF : 67.8/44

All: -1.211 ± 1.540 χ^2/NDF : 110.5/92

- sign -0.761 ± 2.110 χ^2/NDF : 42.6/47

asym_cav4bQ_rms vs Slug



Right In: 2.464 $\pm$ 0.002 χ^2 /NDF: 13565549.8/19

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.453 $\pm$ 0.001 χ^2 /NDF: 17895507.5/24

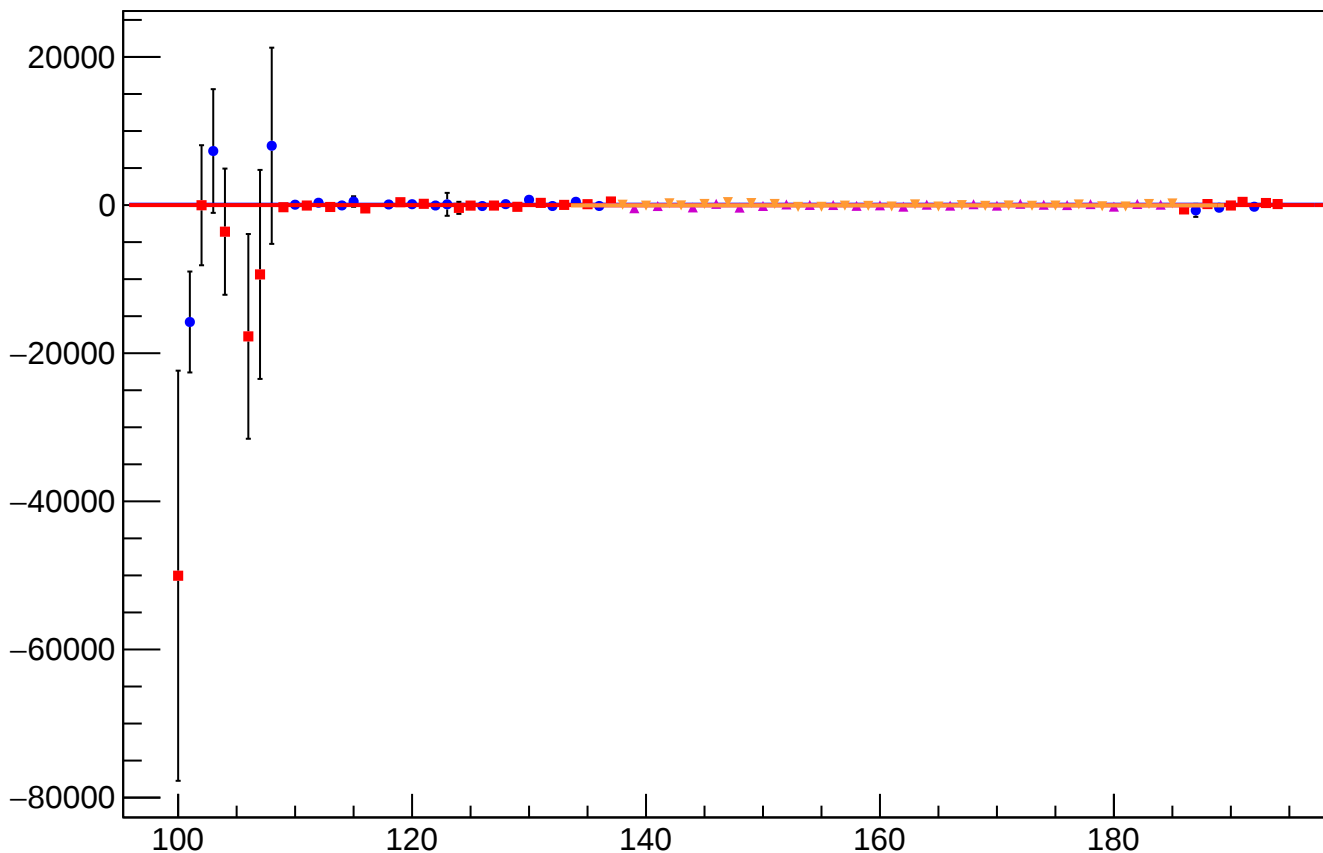
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.710 $\pm$ 0.002 χ^2 /NDF: 49674218.6/44

All: 2.684 $\pm$ 0.001 χ^2 /NDF: 101497491.8/92

- sign 2.661 $\pm$ 0.001 χ^2 /NDF: 51822773.1/47

asym_cav4cQ_mean vs Slug



Right In: 53.141 $\pm$ 86.788 χ^2 /NDF: 14.6/19

Left Out: -39.036 $\pm$ 49.576 χ^2 /NDF: 9.1/24

Right Out: -2.015 $\pm$ 73.560 χ^2 /NDF: 16.7/24

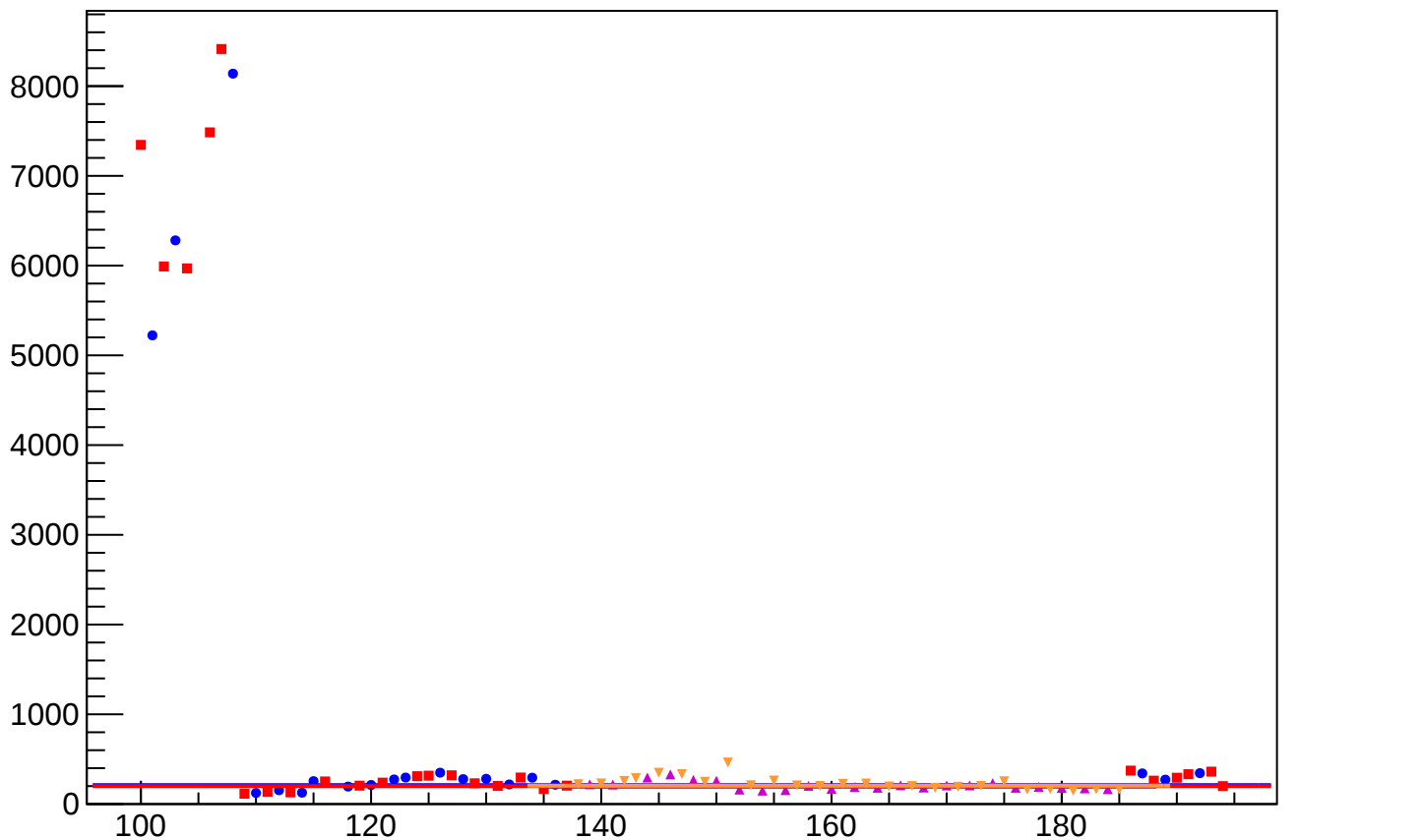
Left In: -28.062 $\pm$ 48.032 χ^2 /NDF: 9.6/22

+ sign -16.358 $\pm$ 43.048 χ^2 /NDF: 24.6/44

All: -18.450 $\pm$ 29.388 χ^2 /NDF: 51.0/92

- sign -20.276 $\pm$ 40.218 χ^2 /NDF: 26.4/47

asym_cav4cQ_rms vs Slug



Right In: 210.703 ± 0.061 $\chi^2/\text{NDF}: 4099506.8/19$

Left Out: 205.114 ± 0.035 $\chi^2/\text{NDF}: 1957484.4/24$

Right Out: 199.959 ± 0.052 $\chi^2/\text{NDF}: 5123243.6/24$

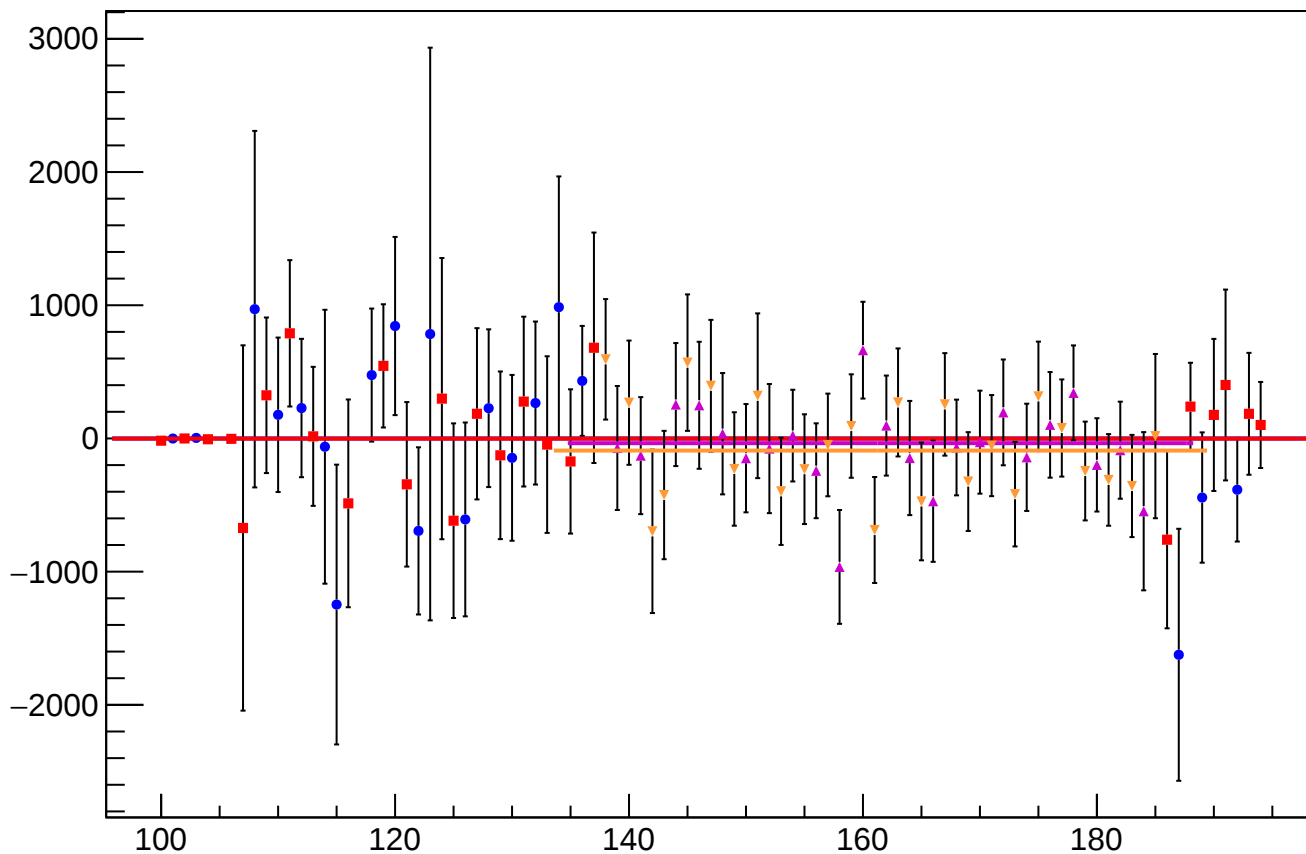
Left In: 193.616 ± 0.034 $\chi^2/\text{NDF}: 1179471.1/22$

+ sign 206.489 ± 0.030 $\chi^2/\text{NDF}: 6063245.4/44$

All: 200.628 ± 0.021 $\chi^2/\text{NDF}: 12445820.5/92$

- sign 195.512 ± 0.028 $\chi^2/\text{NDF}: 6313139.9/47$

asym_cav4dQ_mean vs Slug



Right In: -0.159 ± 1.737 χ^2/NDF : 14.9/19

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.313 ± 1.622 χ^2/NDF : 11.8/24

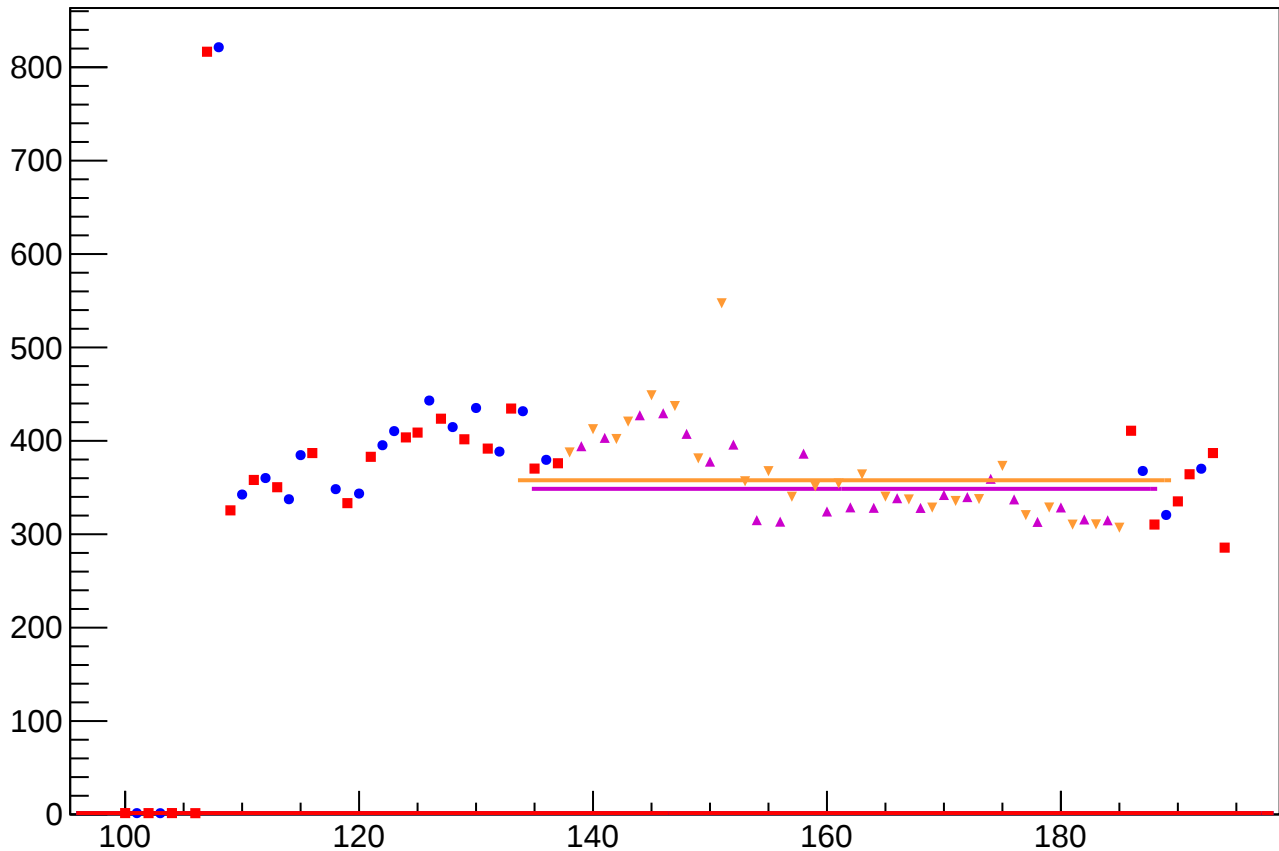
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.198 ± 1.736 χ^2/NDF : 32.5/44

All: -0.800 ± 1.185 χ^2/NDF : 58.1/92

- sign -1.326 ± 1.622 χ^2/NDF : 25.4/47

asym_cav4dQ_rms vs Slug



Right In: 1.465 $\pm$ 0.001 χ^2 /NDF: 13718682.5/19

Left Out: 357.804 $\pm$ 0.059 χ^2 /NDF: 547036.5/24

Right Out: 1.477 $\pm$ 0.001 χ^2 /NDF: 17516186.3/24

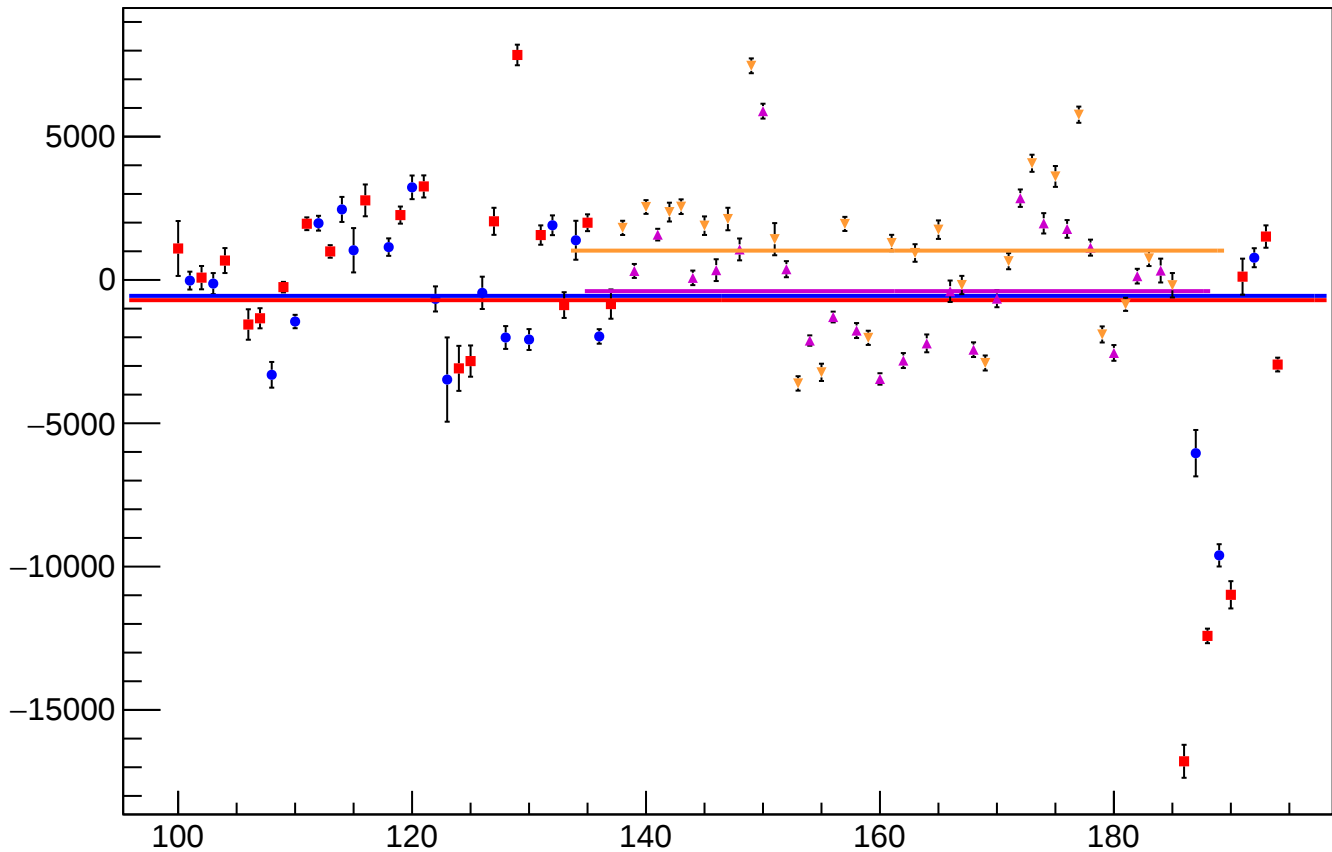
Left In: 348.611 $\pm$ 0.060 χ^2 /NDF: 362511.2/22

+ sign 1.617 $\pm$ 0.001 χ^2 /NDF: 50174640.1/44

All: 1.611 $\pm$ 0.001 χ^2 /NDF: 101887858.2/92

- sign 1.606 $\pm$ 0.001 χ^2 /NDF: 51713176.6/47

asym_bcm0l02_mean vs Slug



Right In: -555.084 ± 82.919 χ^2/NDF : 1049.5/19

Left Out: 1023.439 ± 57.338 χ^2/NDF : 2309.4/24

Right Out: -705.662 ± 68.731 χ^2/NDF : 4727.5/24

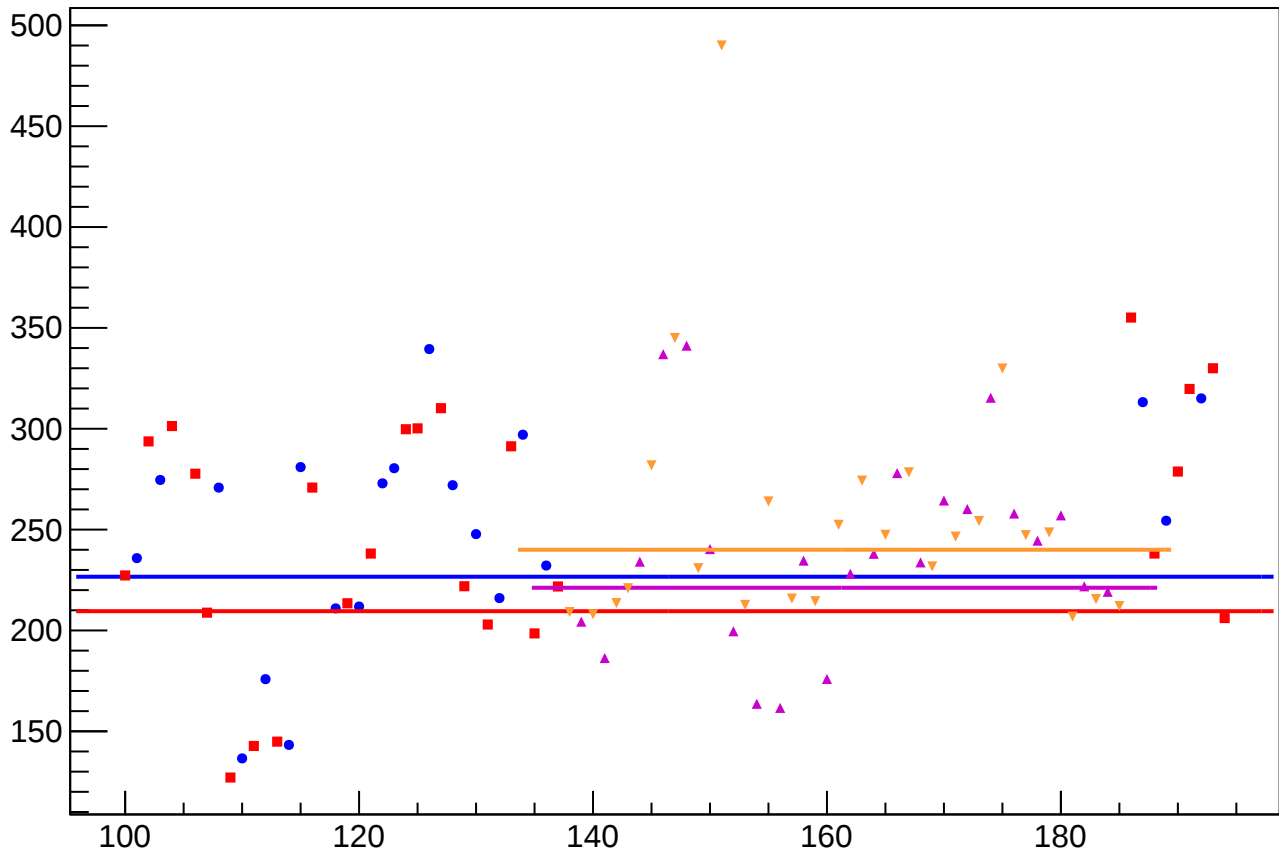
Left In: -390.237 ± 54.931 χ^2/NDF : 1584.9/22

+ sign 512.811 ± 47.161 χ^2/NDF : 3604.0/44

All: -48.496 ± 31.739 χ^2/NDF : 10188.2/92

- sign -513.184 ± 42.910 χ^2/NDF : 6325.2/47

asym_bcm0l02_rms vs Slug



Right In: 226.634 $\pm$ 0.059 χ^2/NDF : 856874.4/19

Left Out: 240.019 $\pm$ 0.041 χ^2/NDF : 1002427.9/24

Right Out: 209.551 $\pm$ 0.049 χ^2/NDF : 1696414.6/24

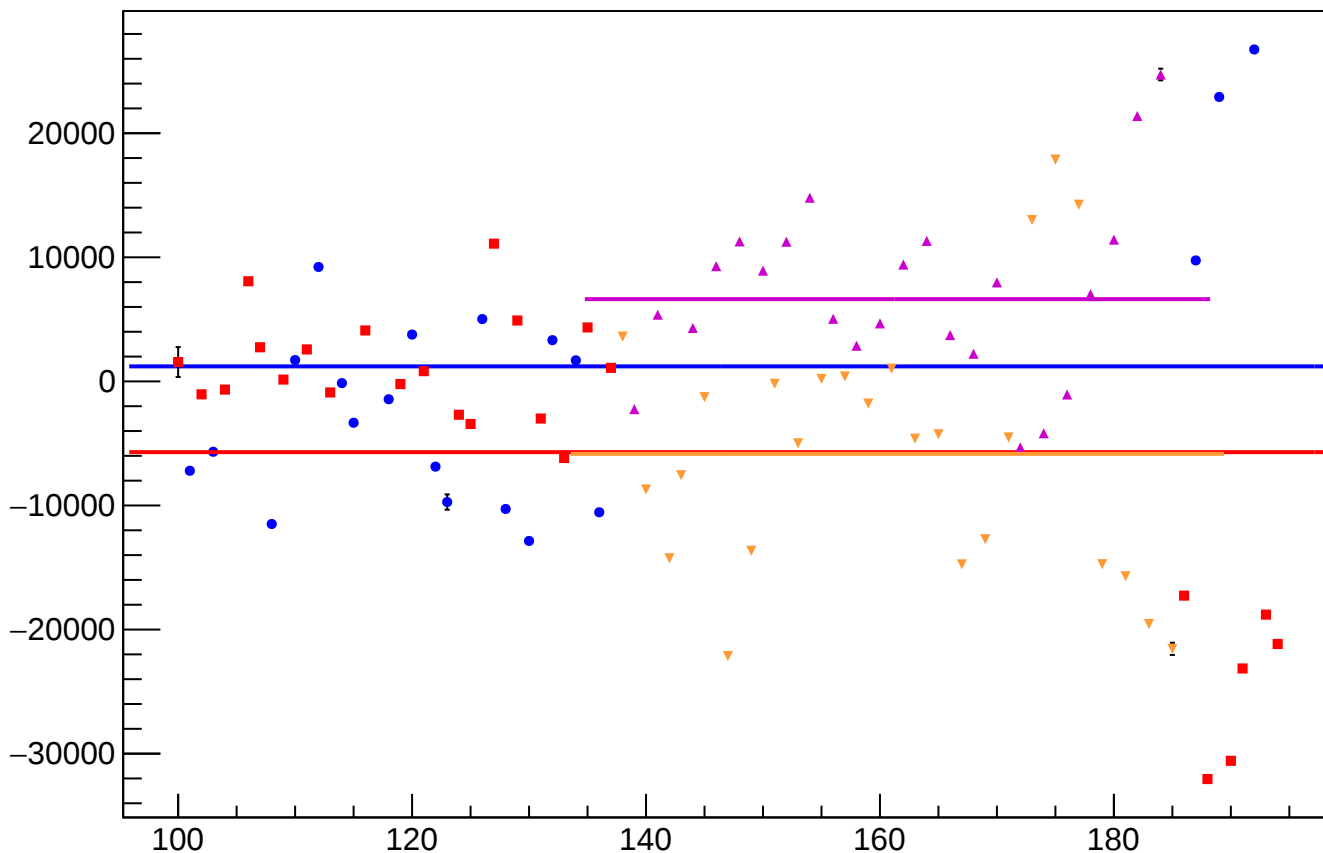
Left In: 221.173 $\pm$ 0.039 χ^2/NDF : 1342517.8/22

+ sign 235.689 $\pm$ 0.033 χ^2/NDF : 1894561.4/44

All: 225.269 $\pm$ 0.022 χ^2/NDF : 5146851.3/92

- sign 216.643 $\pm$ 0.030 χ^2/NDF : 3073827.7/47

asym_bpm2i01WS_mean vs Slug



Right In: 1209.350+/-44.771 χ^2/NDF : 69865.6/19

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -5701.721+/-39.438 χ^2/NDF : 99789.9/24

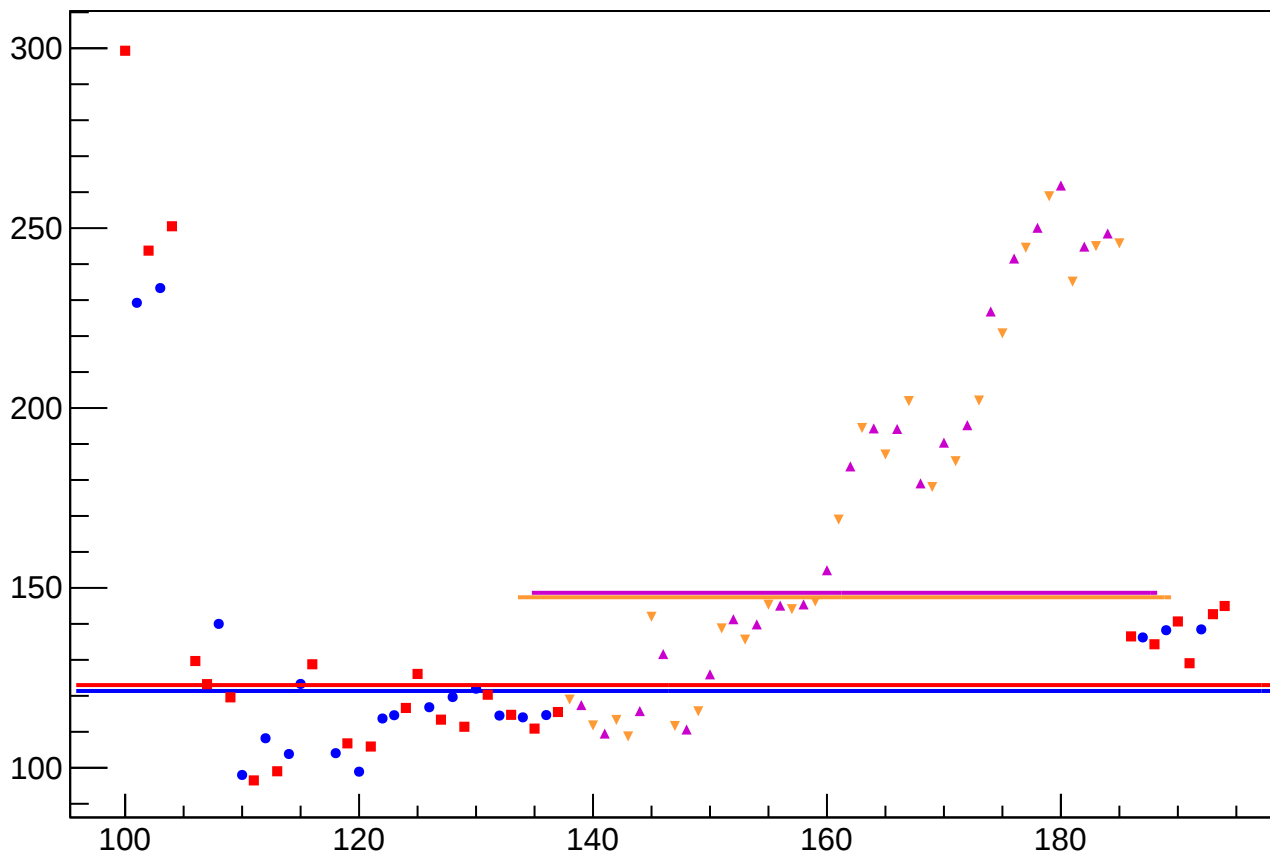
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -3087.161+/-27.983 χ^2/NDF : 148376.3/44

All: -1062.063+/-19.447 χ^2/NDF : 331812.1/9

- sign 829.613+/-27.045 χ^2/NDF : 173306.3/47

asym_bpm2i01WS_rms vs Slug



Right In: 121.357+/-0.032 χ^2/NDF : 688754.9/19

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 122.993+/-0.028 χ^2/NDF : 822386.7/24

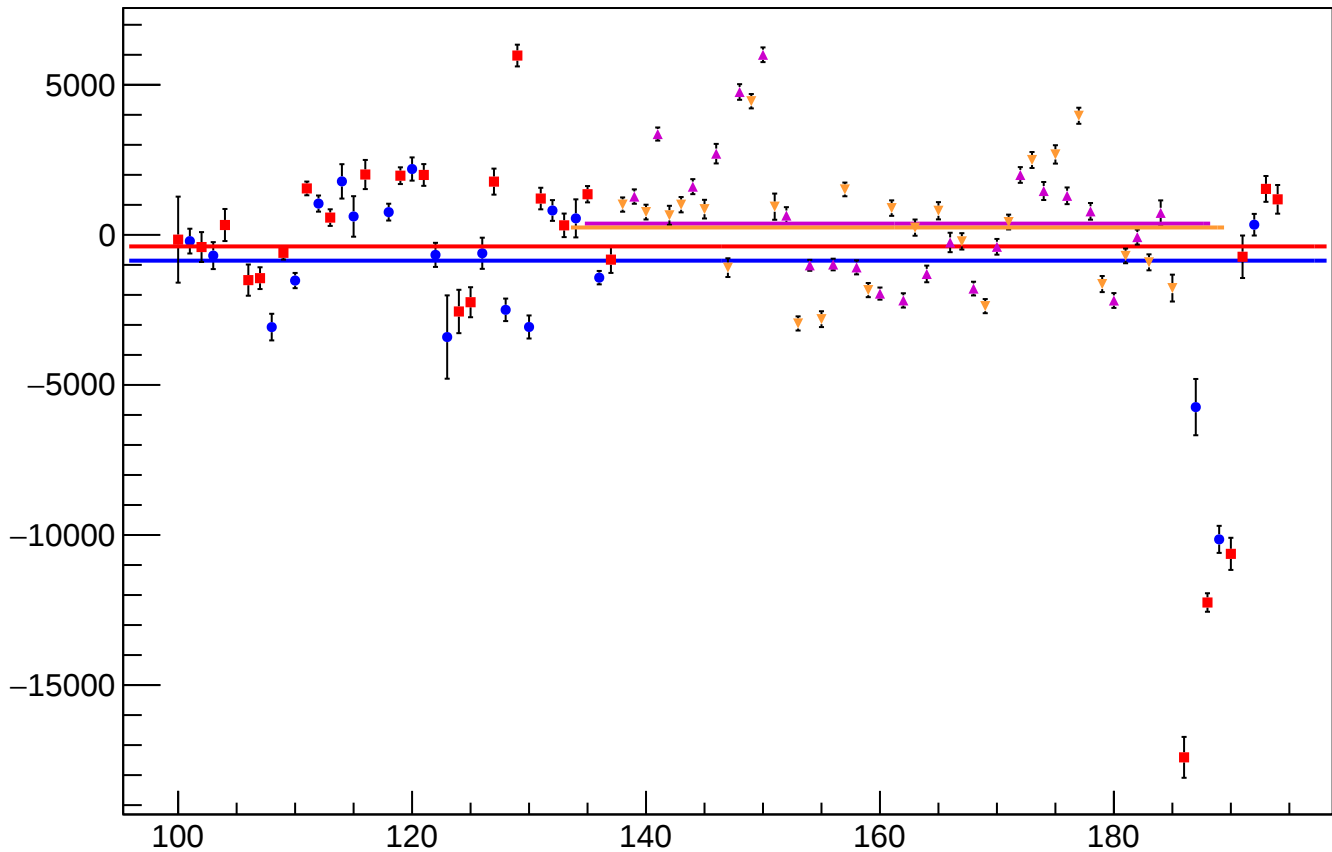
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 137.224+/-0.020 χ^2/NDF : 3618108.4/44

All: 136.891+/-0.014 χ^2/NDF : 7304690.9/92

- sign 136.580+/-0.019 χ^2/NDF : 3686034.3/47

asym_bpm0i07WS_mean vs Slug



Right In: -859.126 ± 84.857 χ^2/NDF : 759.4/19

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -384.505 ± 75.440 χ^2/NDF : 3160.1/24

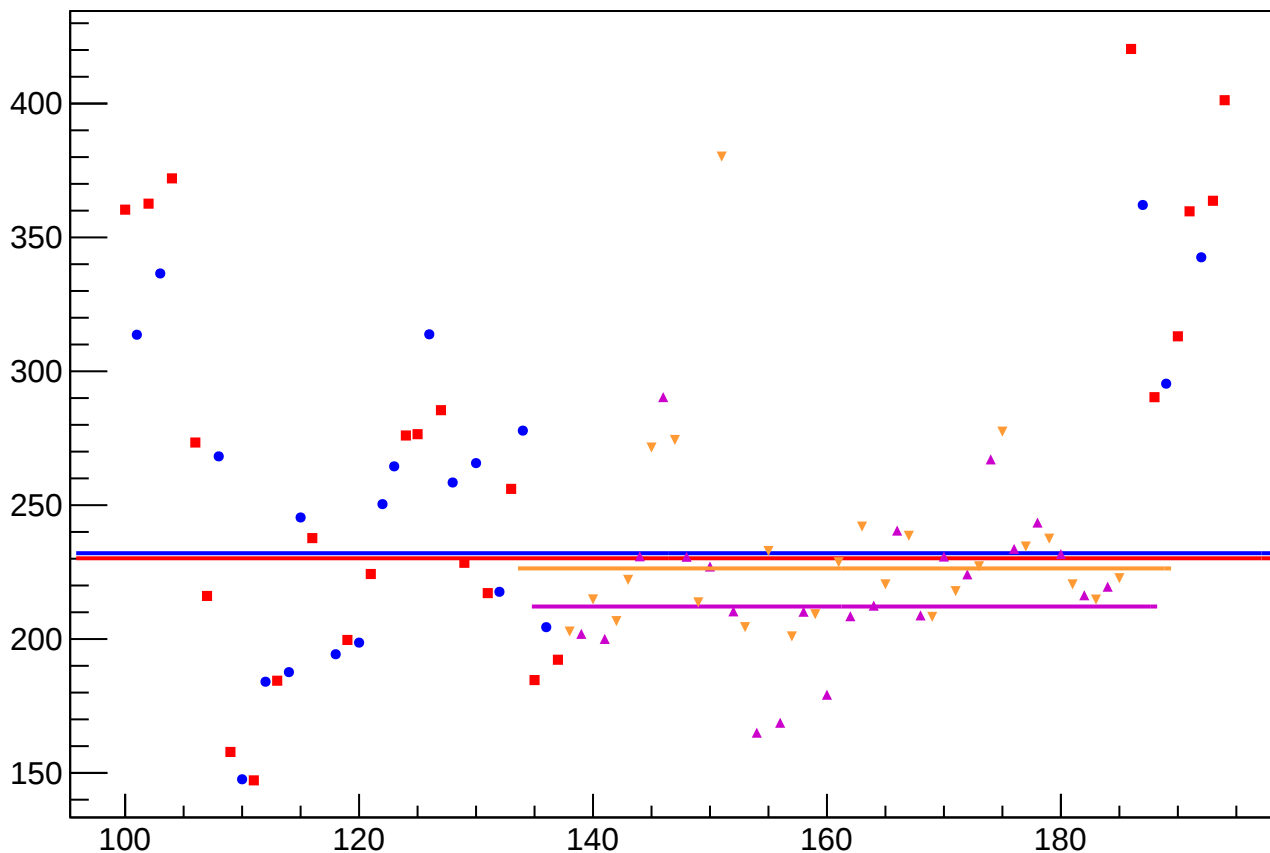
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -68.178 ± 45.251 χ^2/NDF : 2235.6/44

All: 36.897 ± 31.077 χ^2/NDF : 7272.9/92

- sign 130.696 ± 42.754 χ^2/NDF : 5027.1/47

asym_bpm0i07WS_rms vs Slug



Right In: 232.057 ± 0.060 χ^2/NDF : 939422.7/19

Left Out: 226.376 ± 0.038 χ^2/NDF : 521770.1/24

Right Out: 230.162 ± 0.053 χ^2/NDF : 1802261.6/24

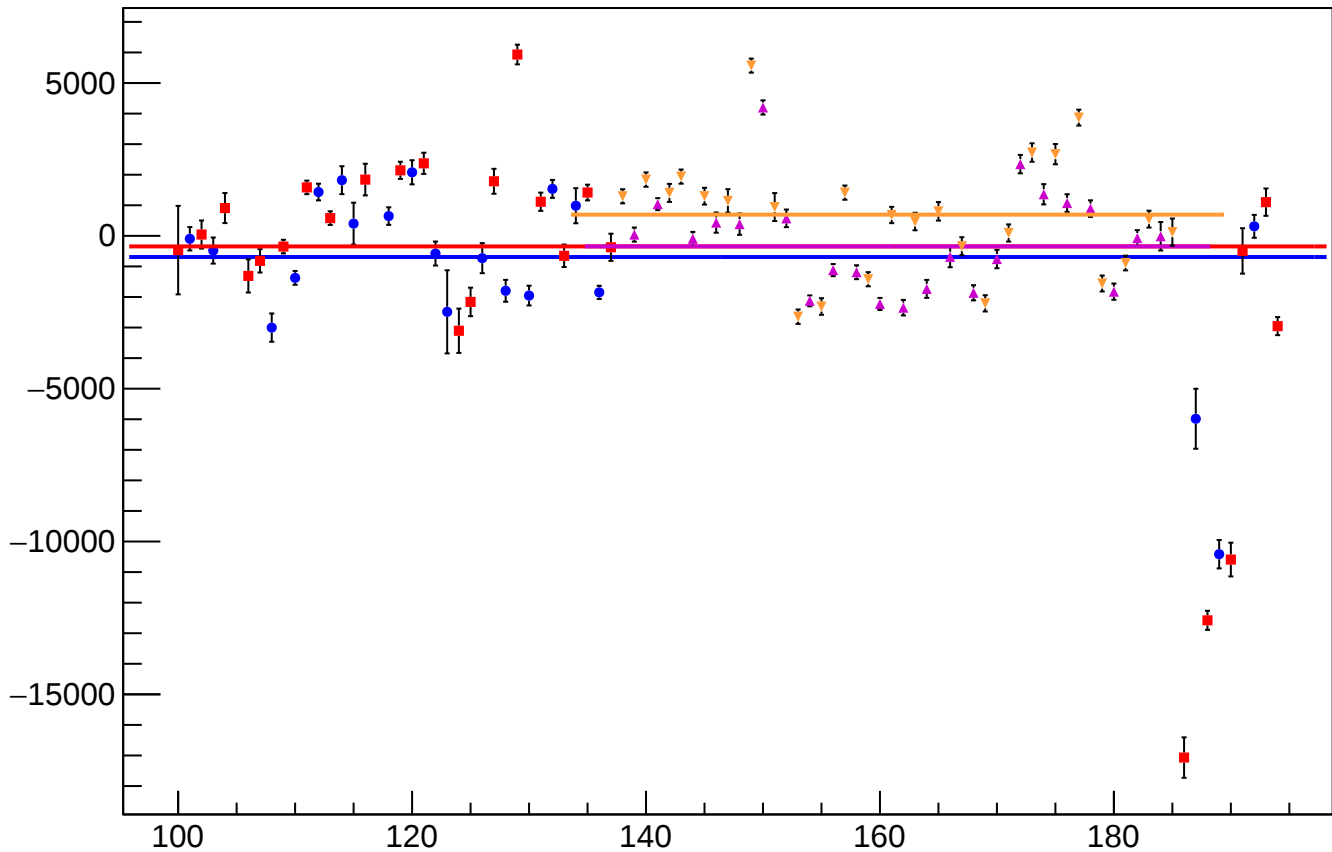
Left In: 212.145 ± 0.037 χ^2/NDF : 591698.6/22

+ sign 227.991 ± 0.032 χ^2/NDF : 1467609.7/44

All: 222.676 ± 0.022 χ^2/NDF : 3991228.5/92

- sign 217.932 ± 0.030 χ^2/NDF : 2471397.3/47

asym_bpm0l01WS_mean vs Slug



Right In: -692.570 ± 80.855 χ^2/NDF : 798.0/19

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: -345.382 ± 70.744 χ^2/NDF : 3382.2/24

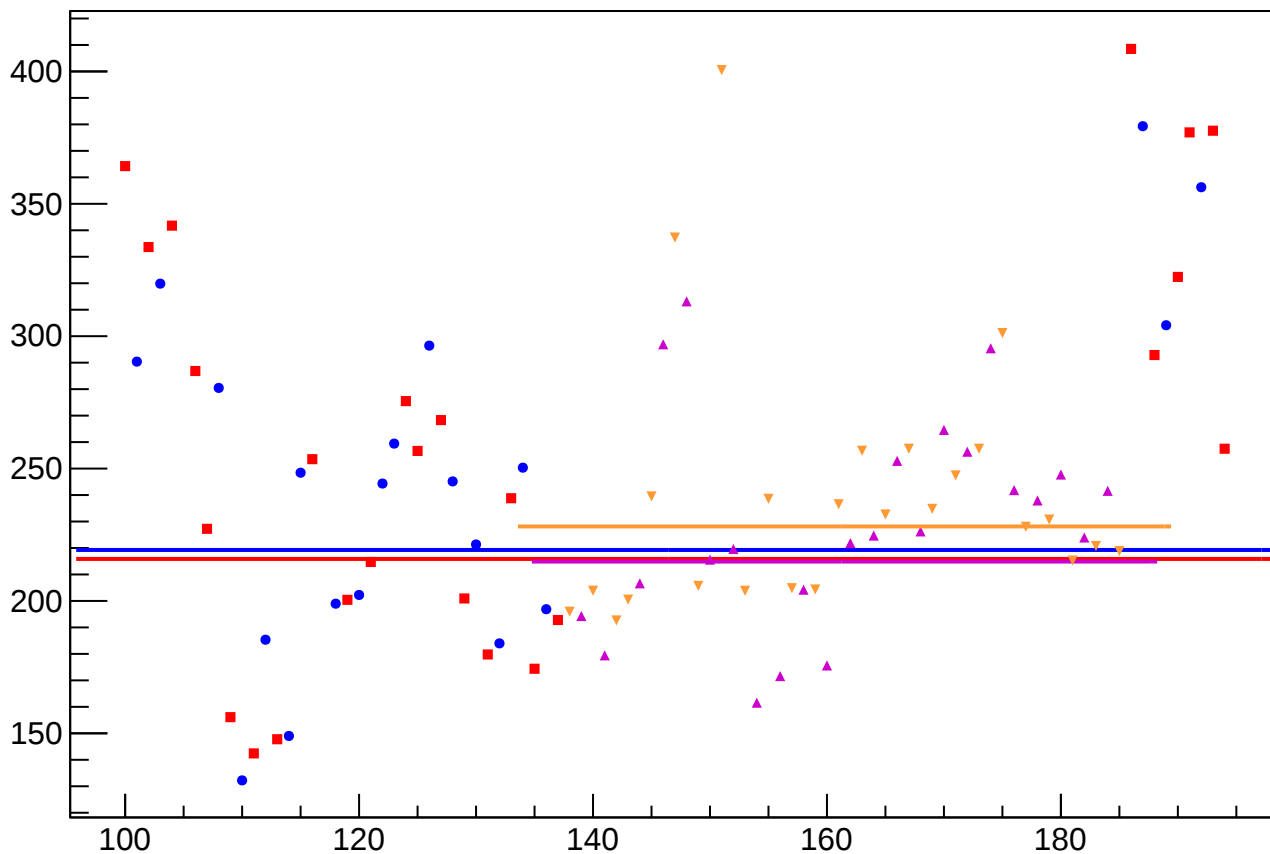
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 263.830 ± 45.047 χ^2/NDF : 2423.0/44

All: -58.978 ± 30.872 χ^2/NDF : 6887.0/92

- sign -344.867 ± 42.393 χ^2/NDF : 4367.2/47

asym_bpm0l01WS_rms vs Slug



Right In: 219.259 ± 0.057 χ^2/NDF : 1119809.7/19

Left Out: 228.144 ± 0.038 χ^2/NDF : 828399.3/24

Right Out: 215.867 ± 0.050 χ^2/NDF : 1807750.8/24

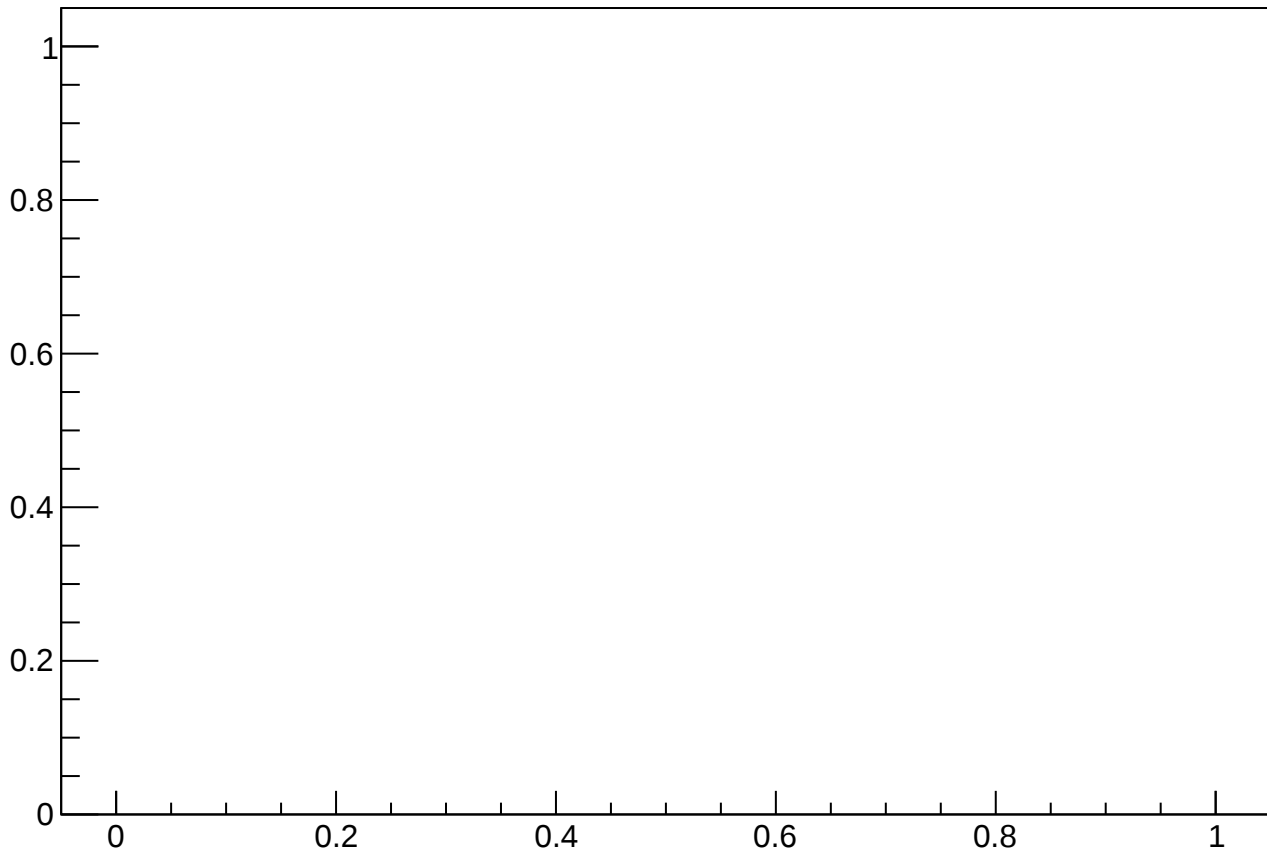
Left In: 214.878 ± 0.037 χ^2/NDF : 1037509.6/22

+ sign 225.386 ± 0.032 χ^2/NDF : 1964862.0/44

All: 220.002 ± 0.022 χ^2/NDF : 4864247.7/92

- sign 215.233 ± 0.030 χ^2/NDF : 2845511.0/47

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

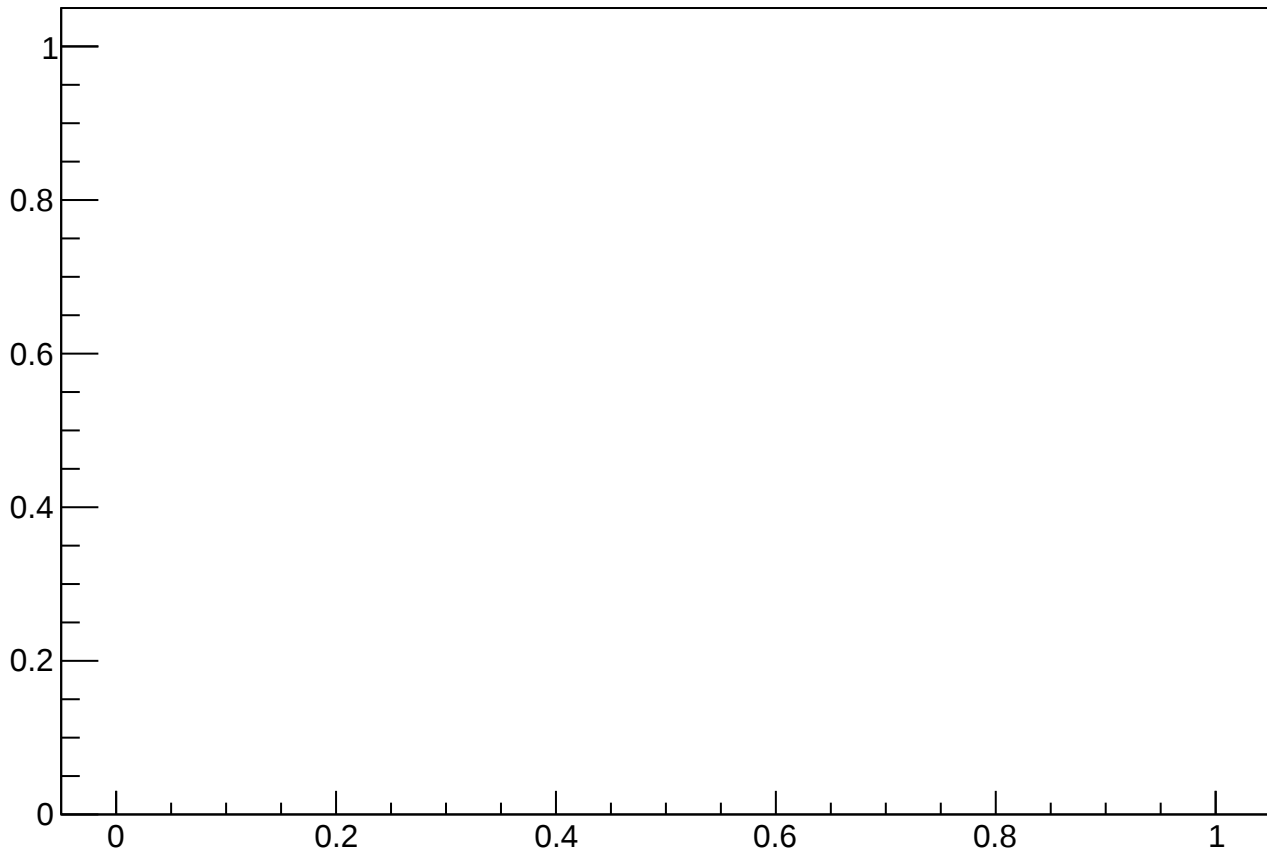
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

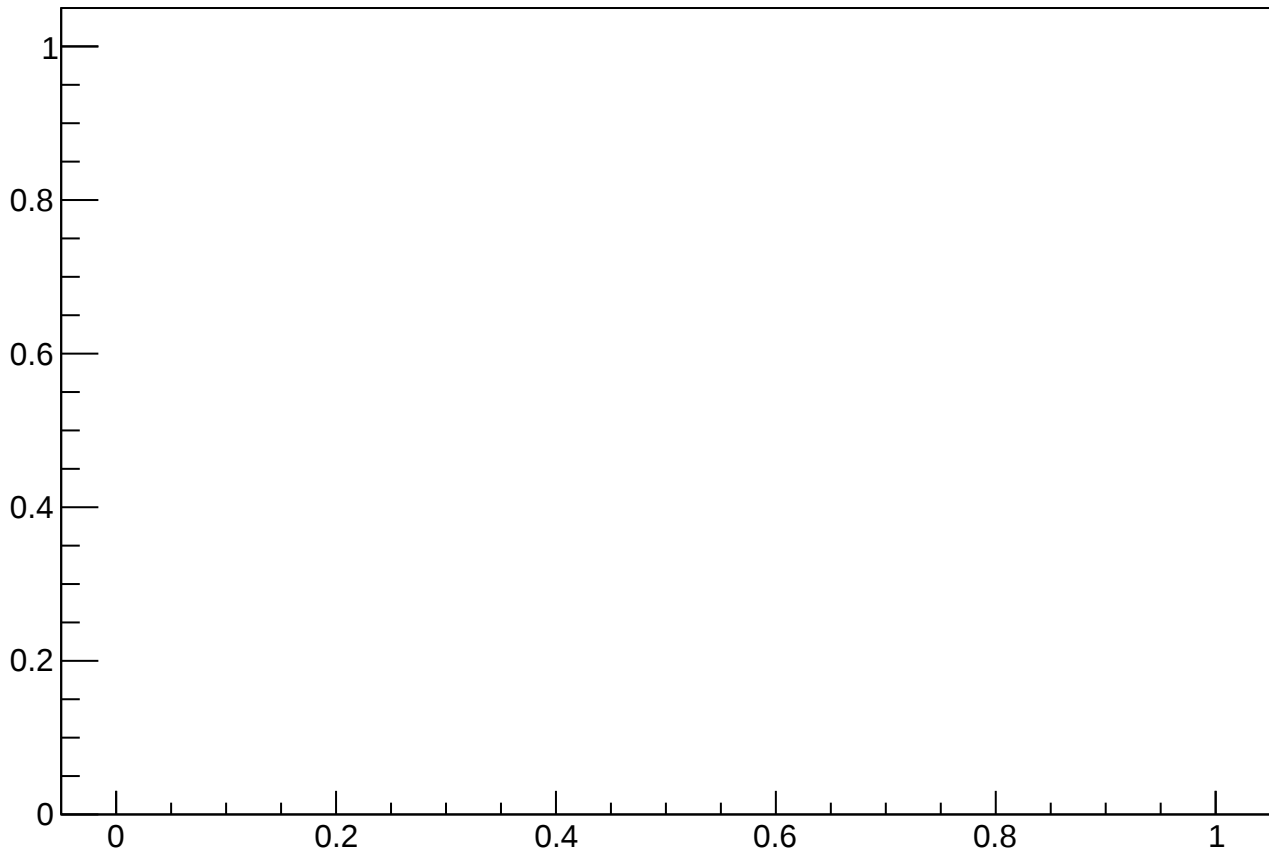
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

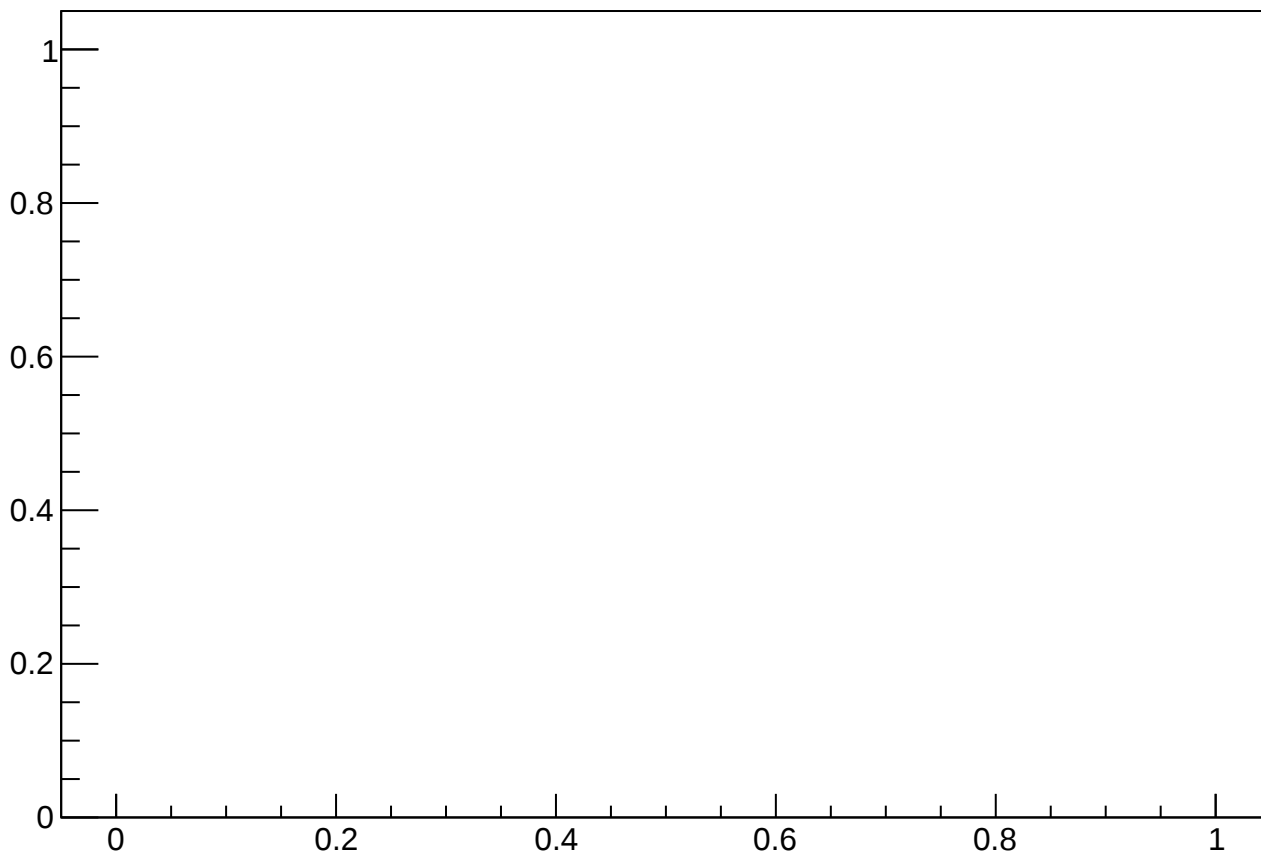
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

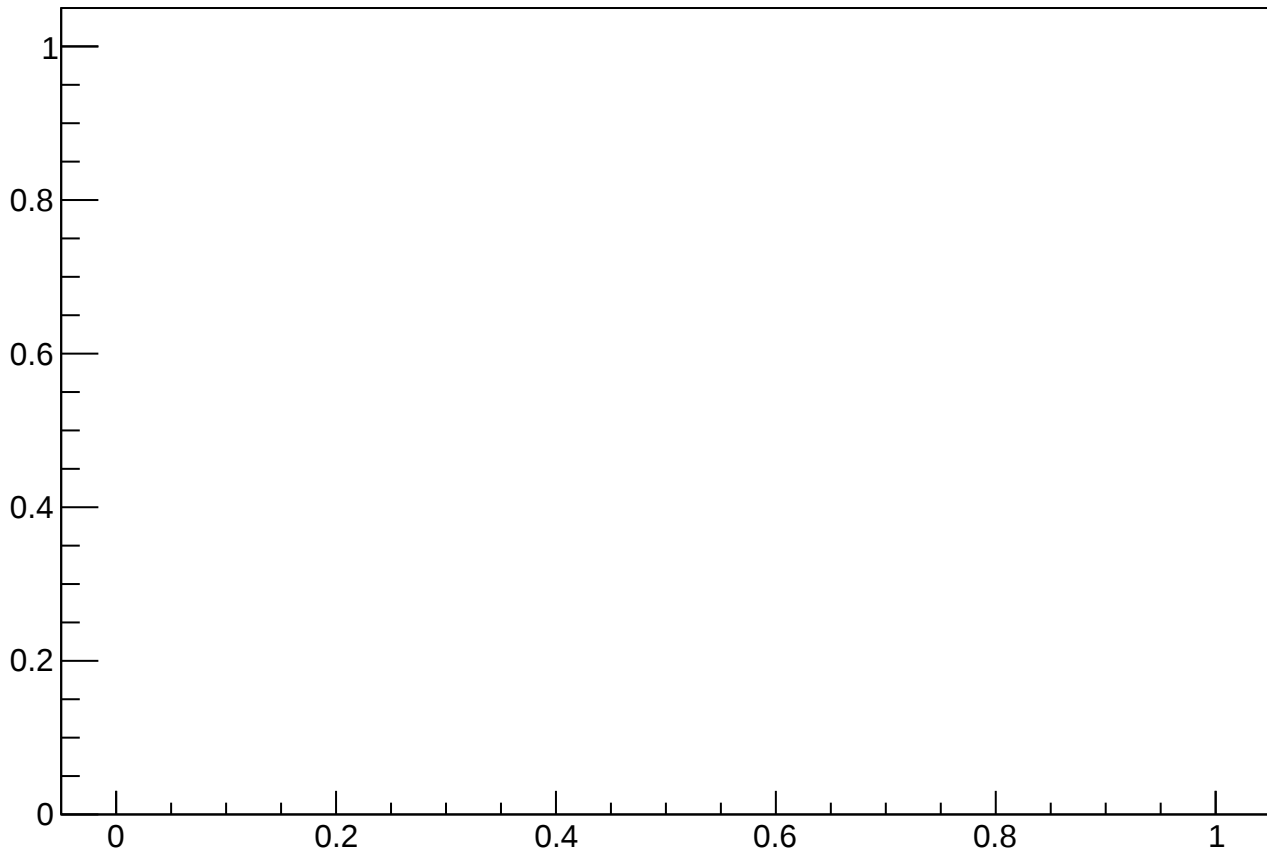
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

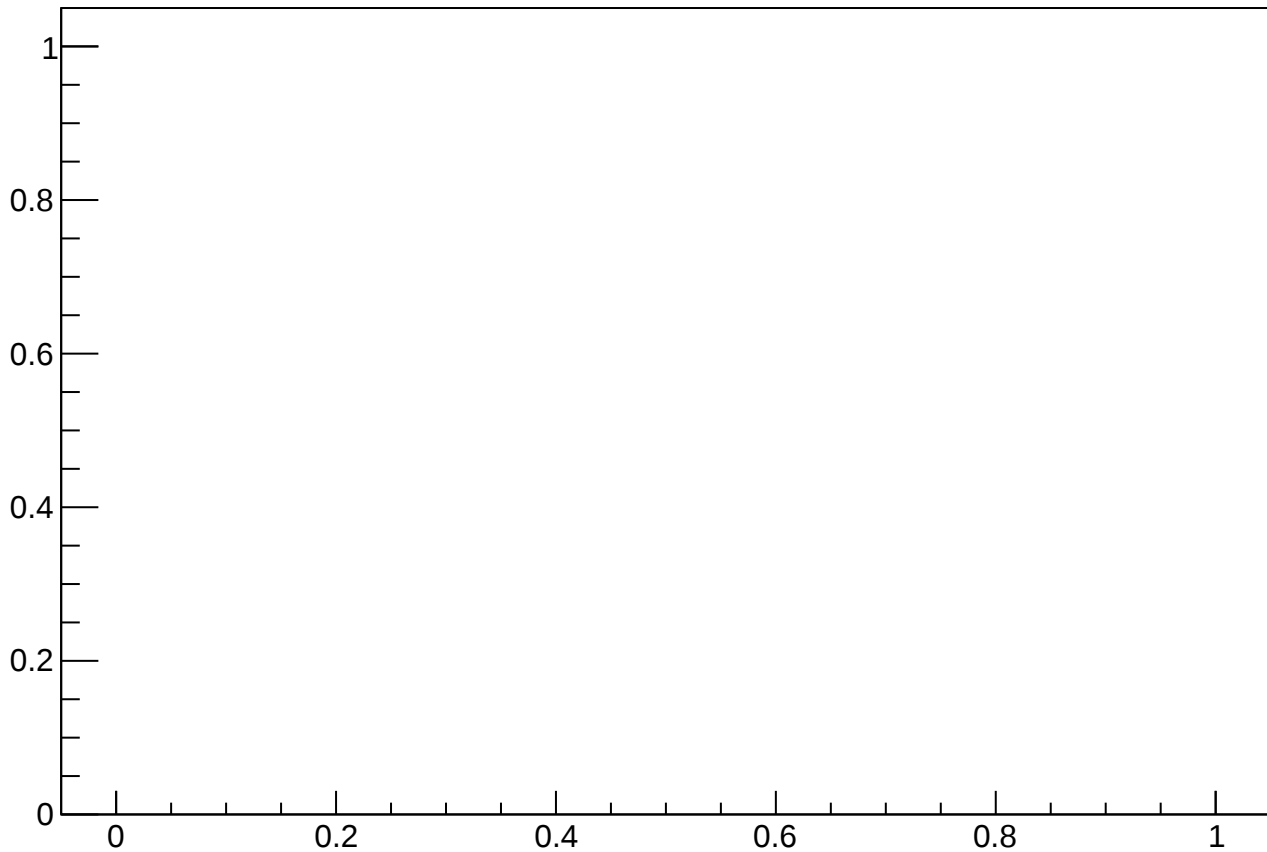
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

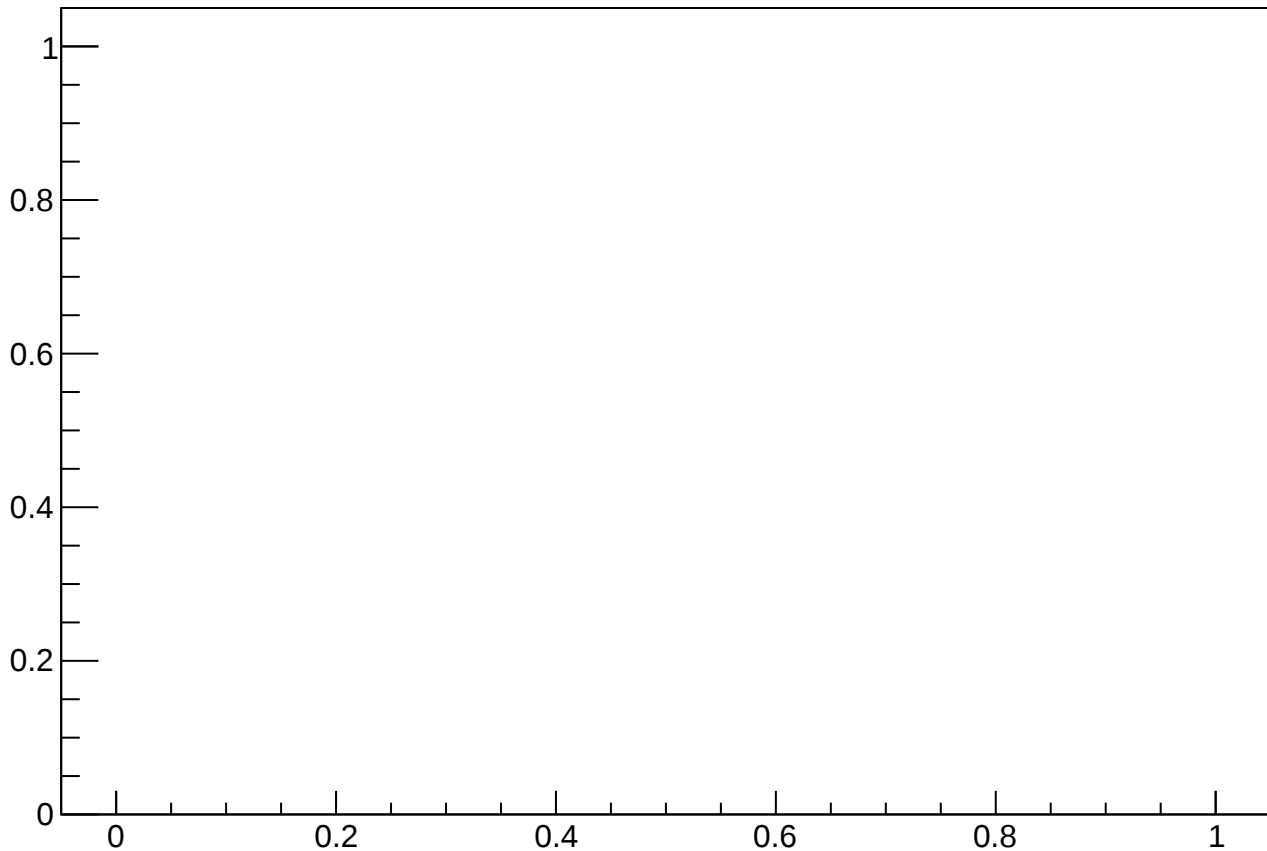
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

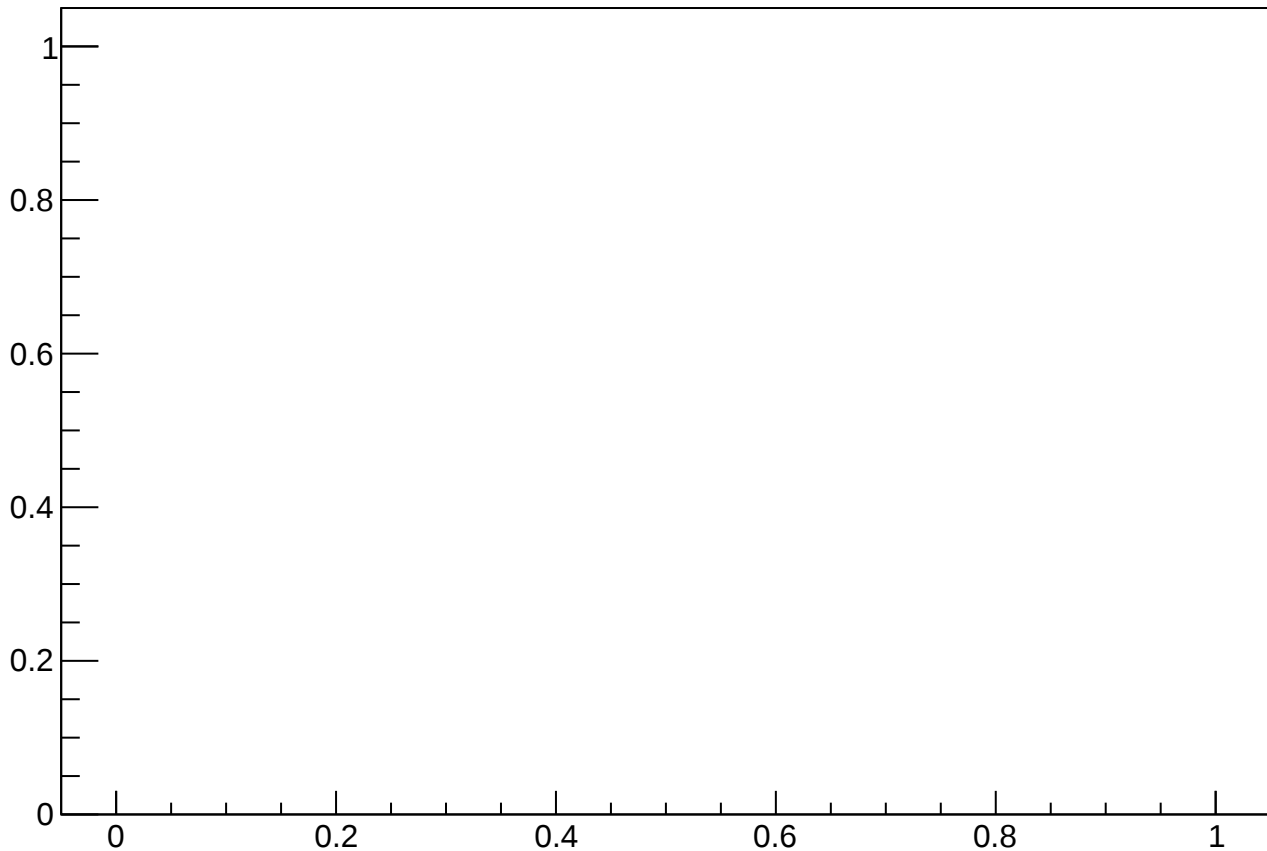
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

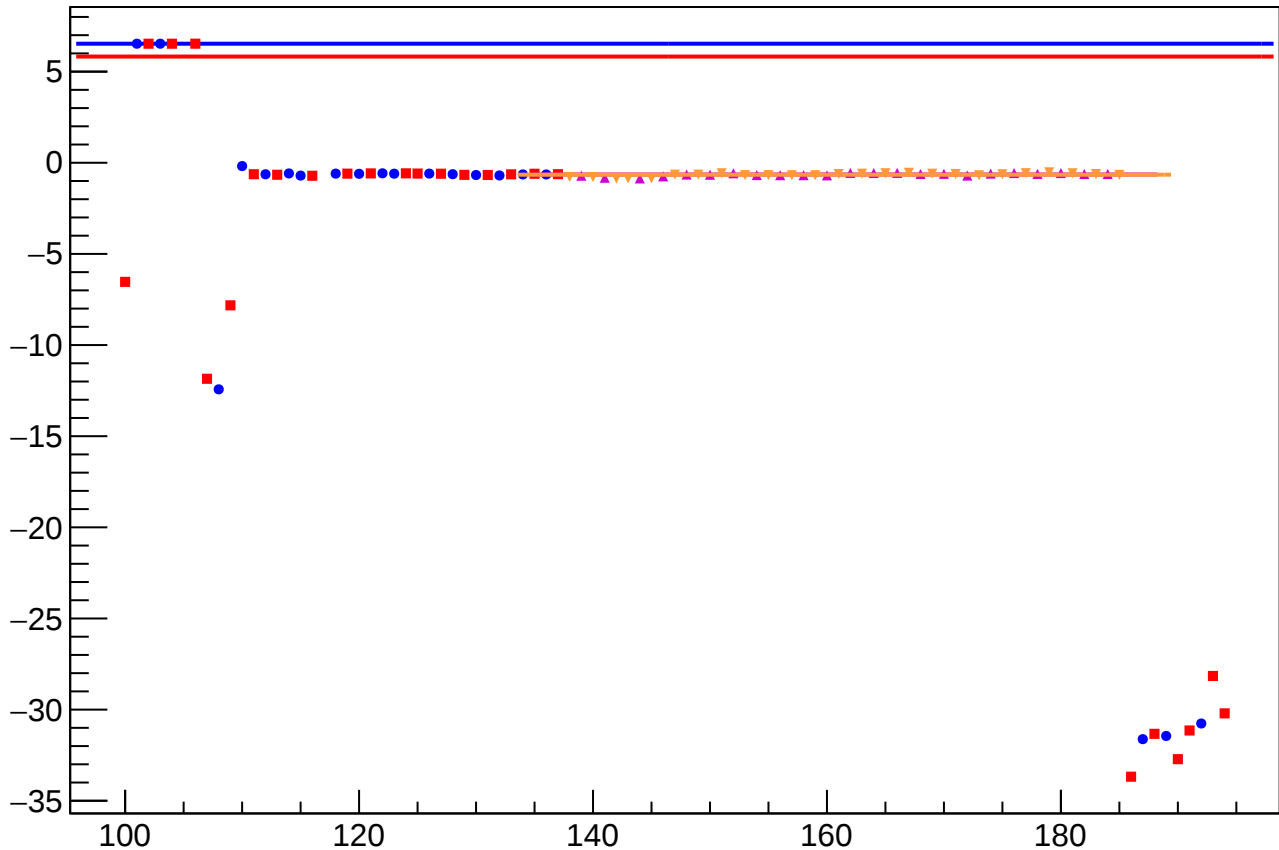
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 127724619236.2/19

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962175262634.0/24

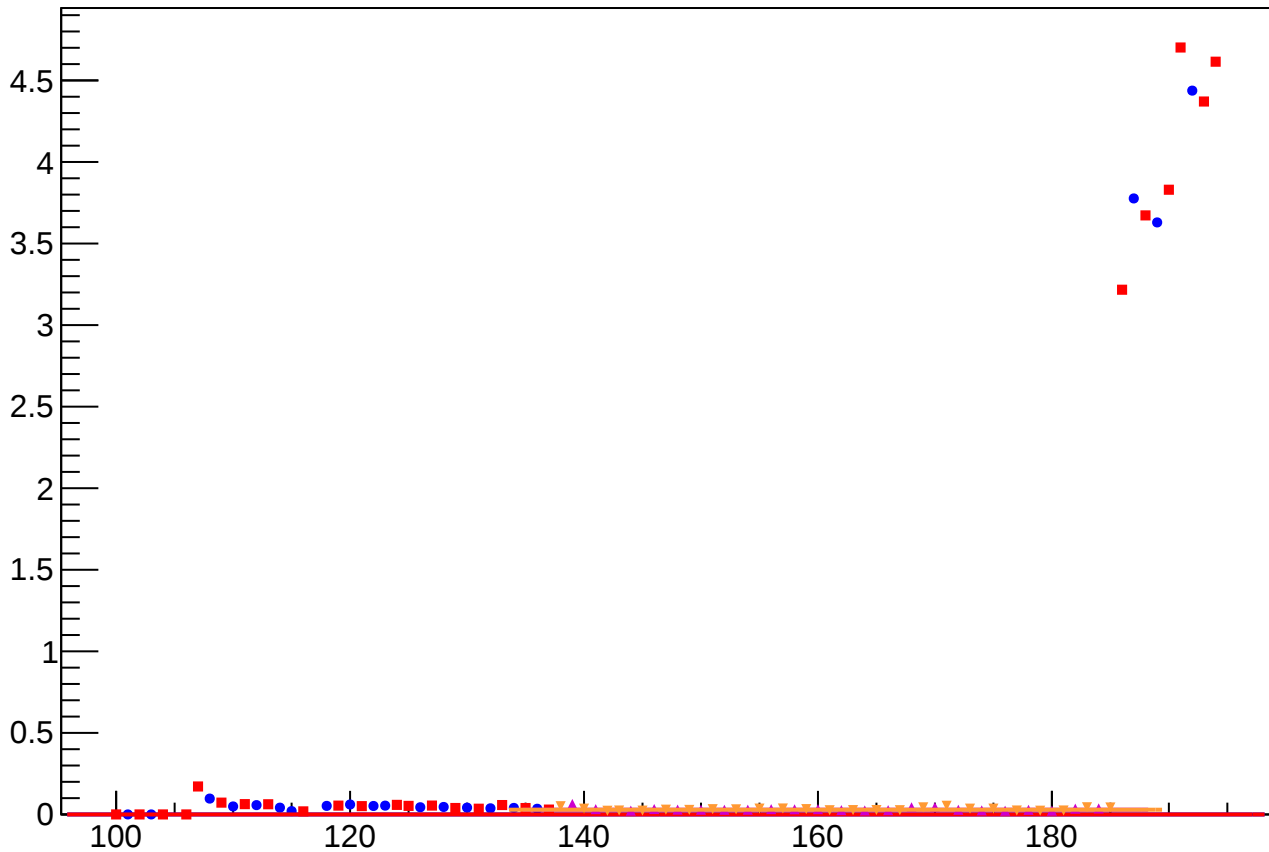
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001564133265.7/44

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762729720872

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640638405817.6/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11750854.3/19

Left Out: 0.029+/-0.000 χ^2/NDF : 1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16017244.2/24

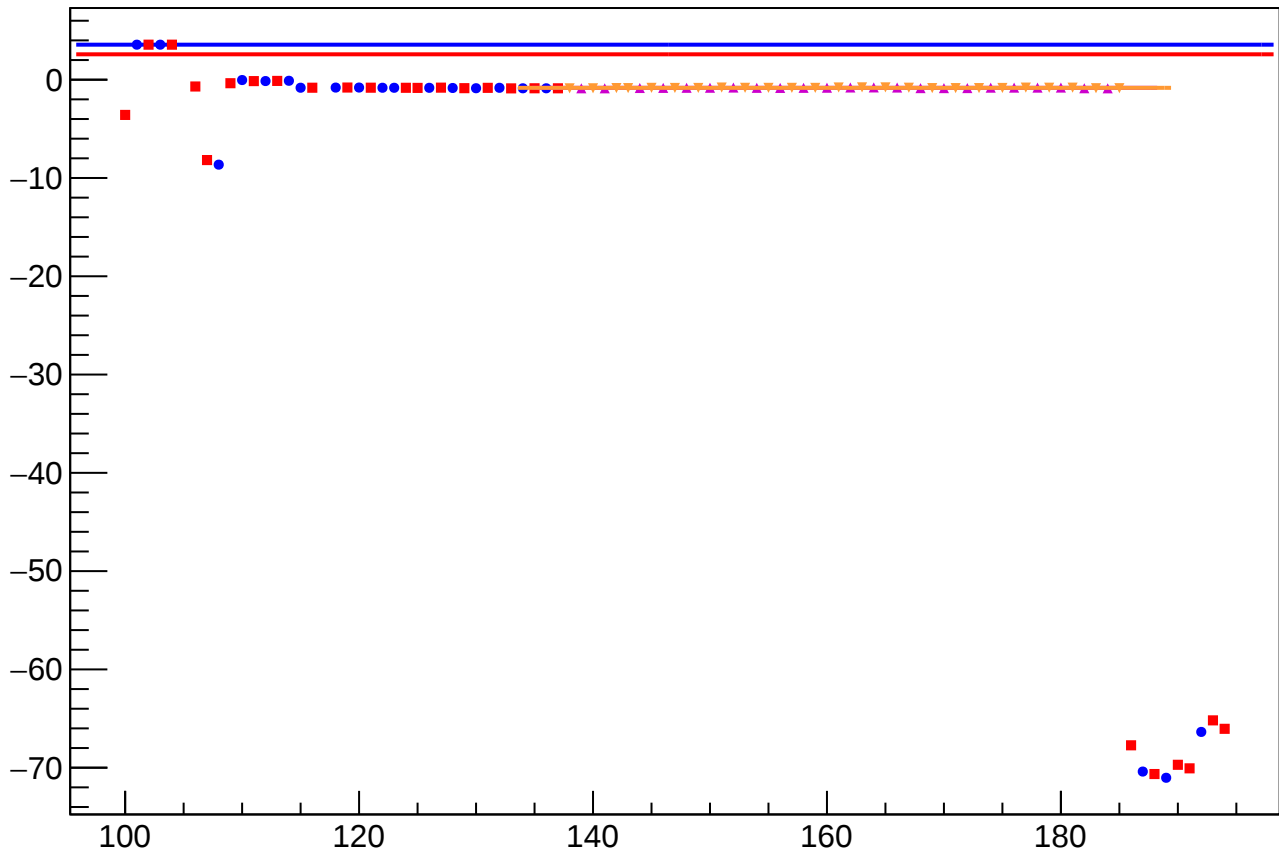
Left In: 0.029+/-0.000 χ^2/NDF : 1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 41714626.0/44

All: 0.000+/-0.000 χ^2/NDF : 85914386.7/92

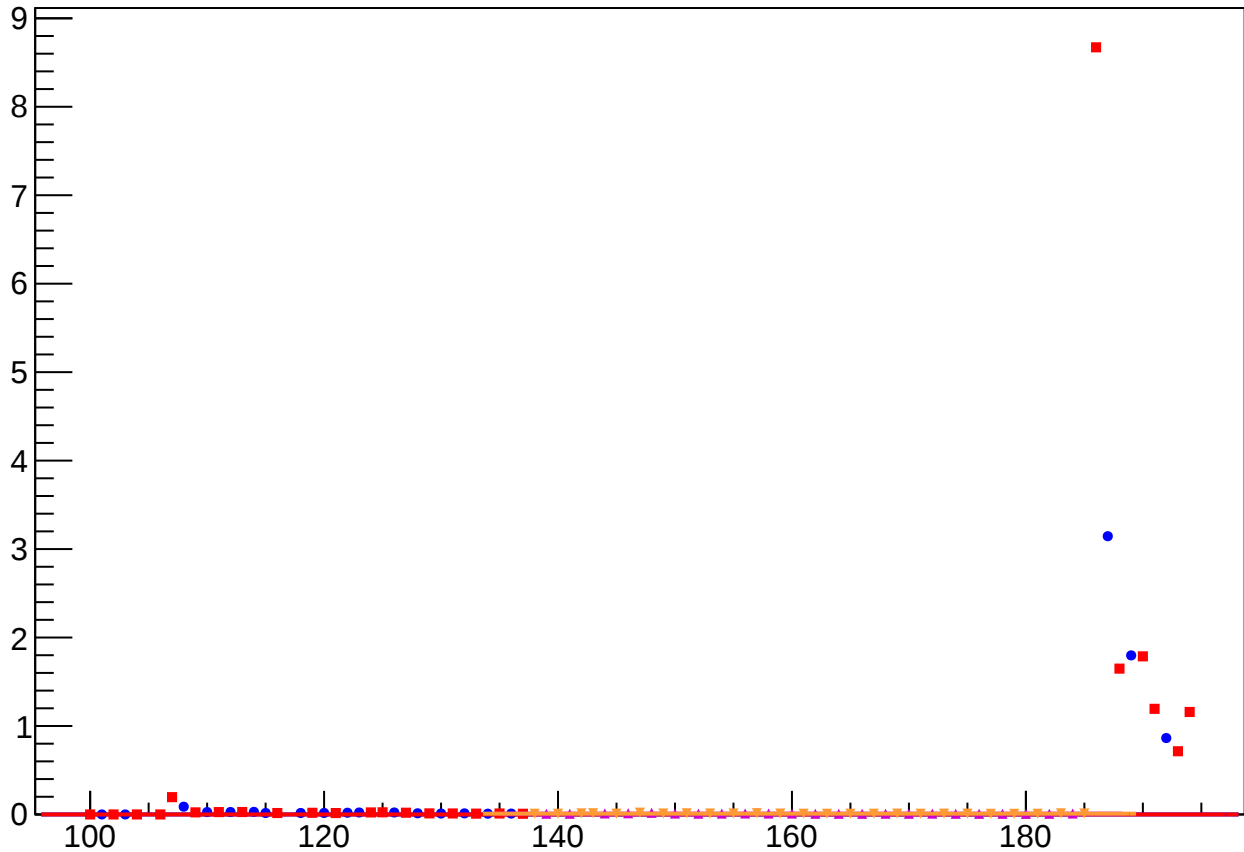
- sign 0.000+/-0.000 χ^2/NDF : 44199093.7/47

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000	χ^2/NDF : 485202119004.1/19	+ sign 3.560+/-0.000	χ^2/NDF : 4181650808877.0/44
Left Out: -0.827+/-0.000	χ^2/NDF : 170052639.9/24	All: 3.038+/-0.000	χ^2/NDF : 13879929770577.0/100
Right Out: 2.583+/-0.000	χ^2/NDF : 1253512042648303.5/24	- sign 2.581+/-0.000	χ^2/NDF : 1255733137241071.0/24
Left In: -0.827+/-0.000	χ^2/NDF : 174130375.4/22		

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12065401.9/19

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 15681669.2/24

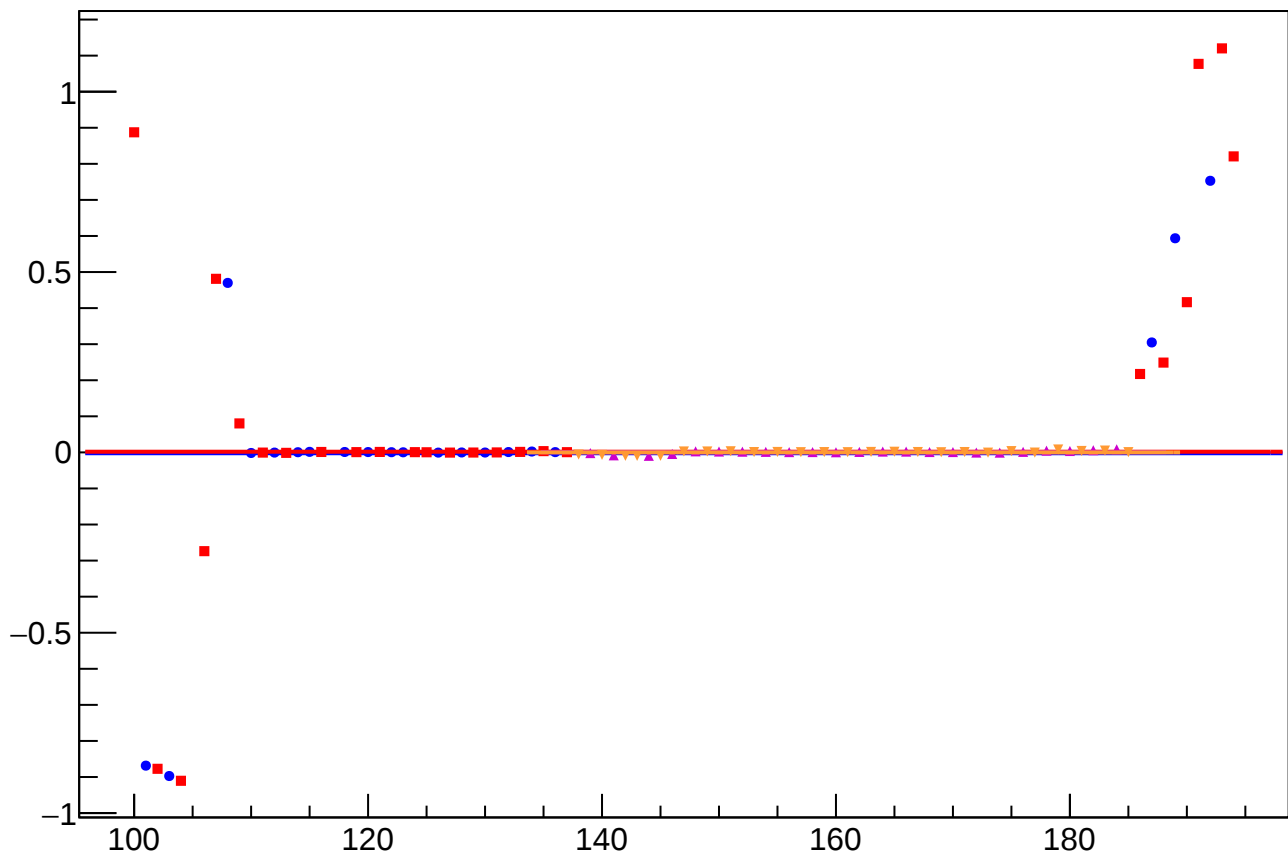
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 43573830.5/44

All: 0.000+/-0.000 χ^2/NDF : 89063250.1/92

- sign 0.000+/-0.000 χ^2/NDF : 45488344.7/47

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795164198.2/19

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3042006626.1/24

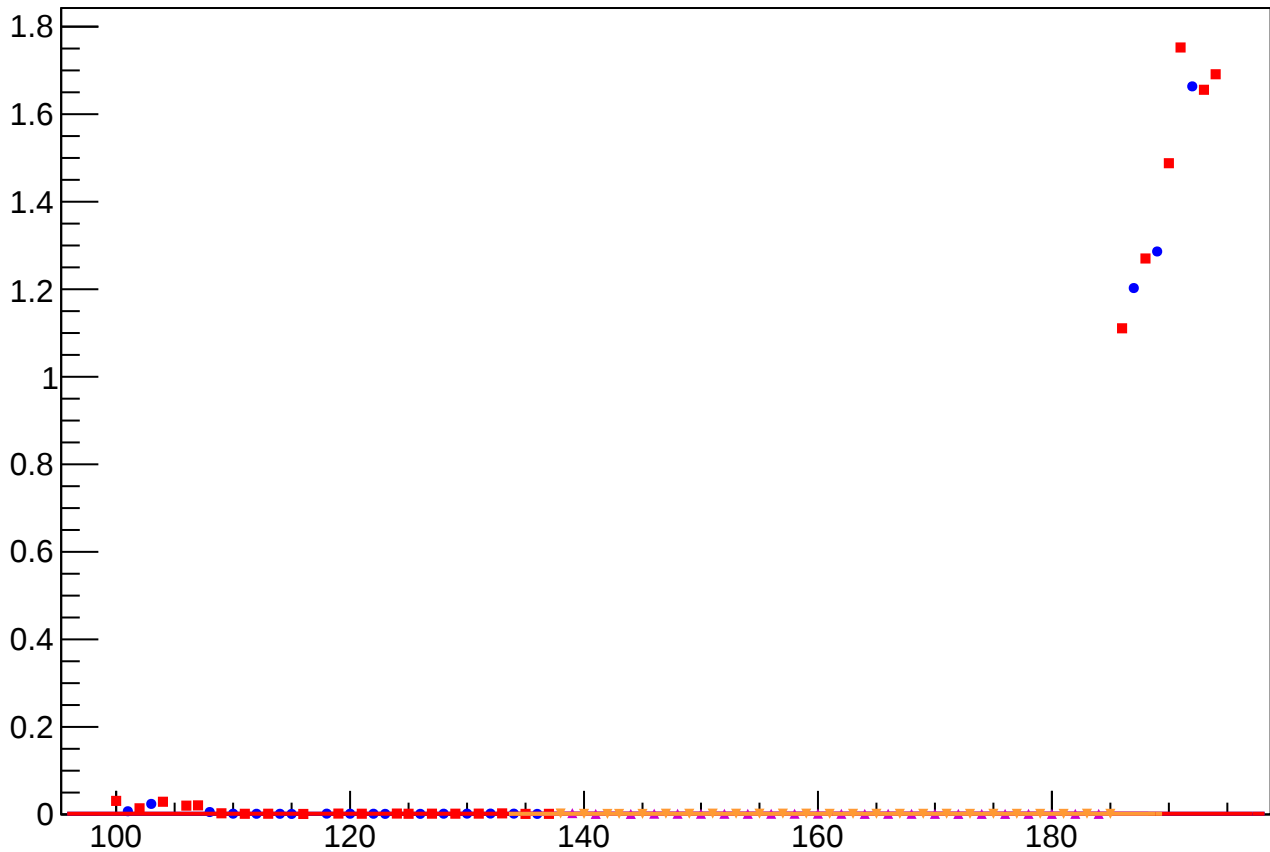
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9953687523.6/44

All: 0.000 ± 0.000 χ^2/NDF : 13106689946.8/9

- sign 0.001 ± 0.000 χ^2/NDF : 3145450982.5/47

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4810157.8/19

Left Out: 0.001+/-0.000 χ^2/NDF :539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 9695784.6/24

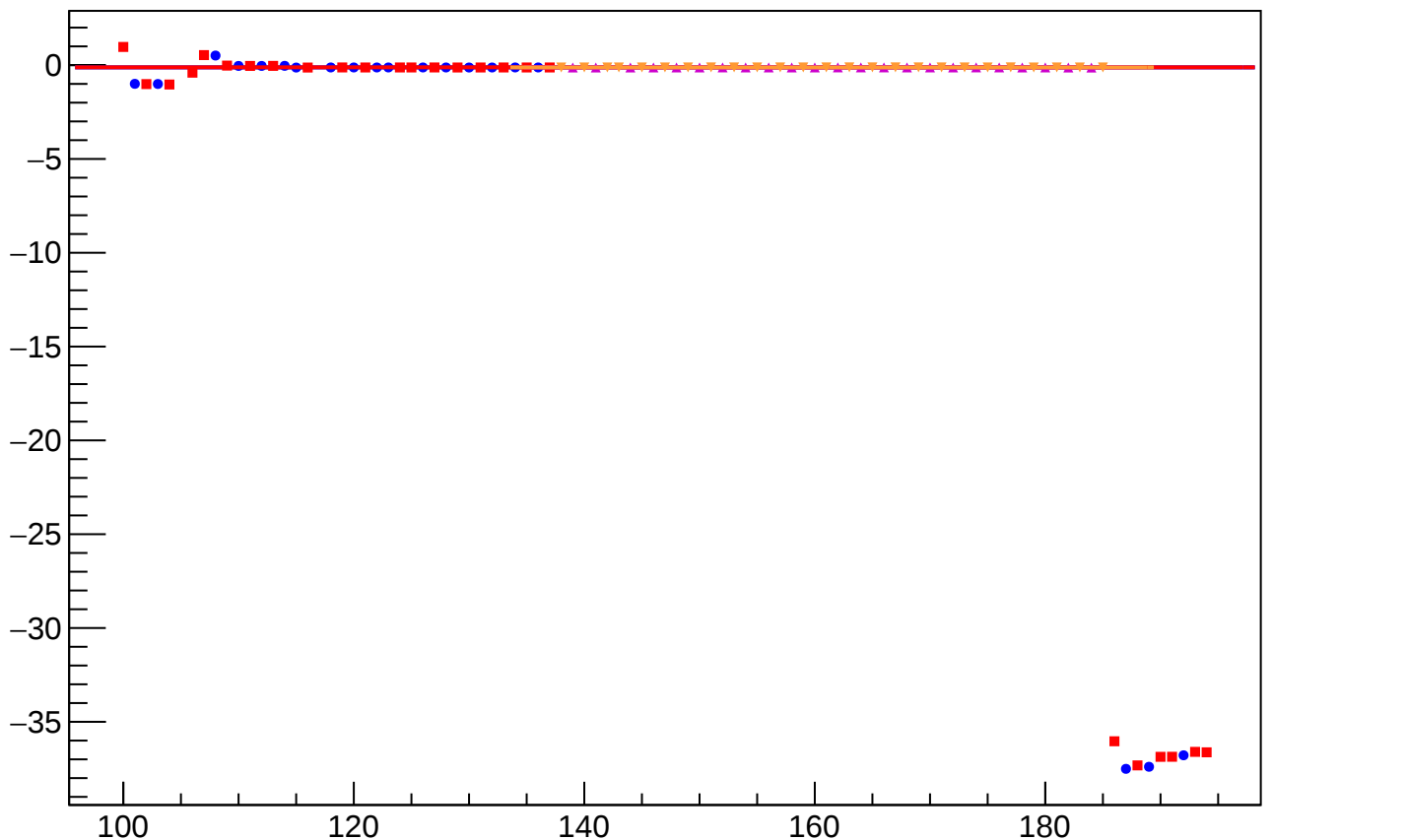
Left In: 0.001+/-0.000 χ^2/NDF :659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 5419057.2/44

All: 0.002+/-0.000 χ^2/NDF : 15891203.9/92

- sign 0.002+/-0.000 χ^2/NDF : 10464219.7/47

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 14919151689.0/19

Left Out: -0.121+/-0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.116+/-0.000 χ^2/NDF : 27230569930.3/24

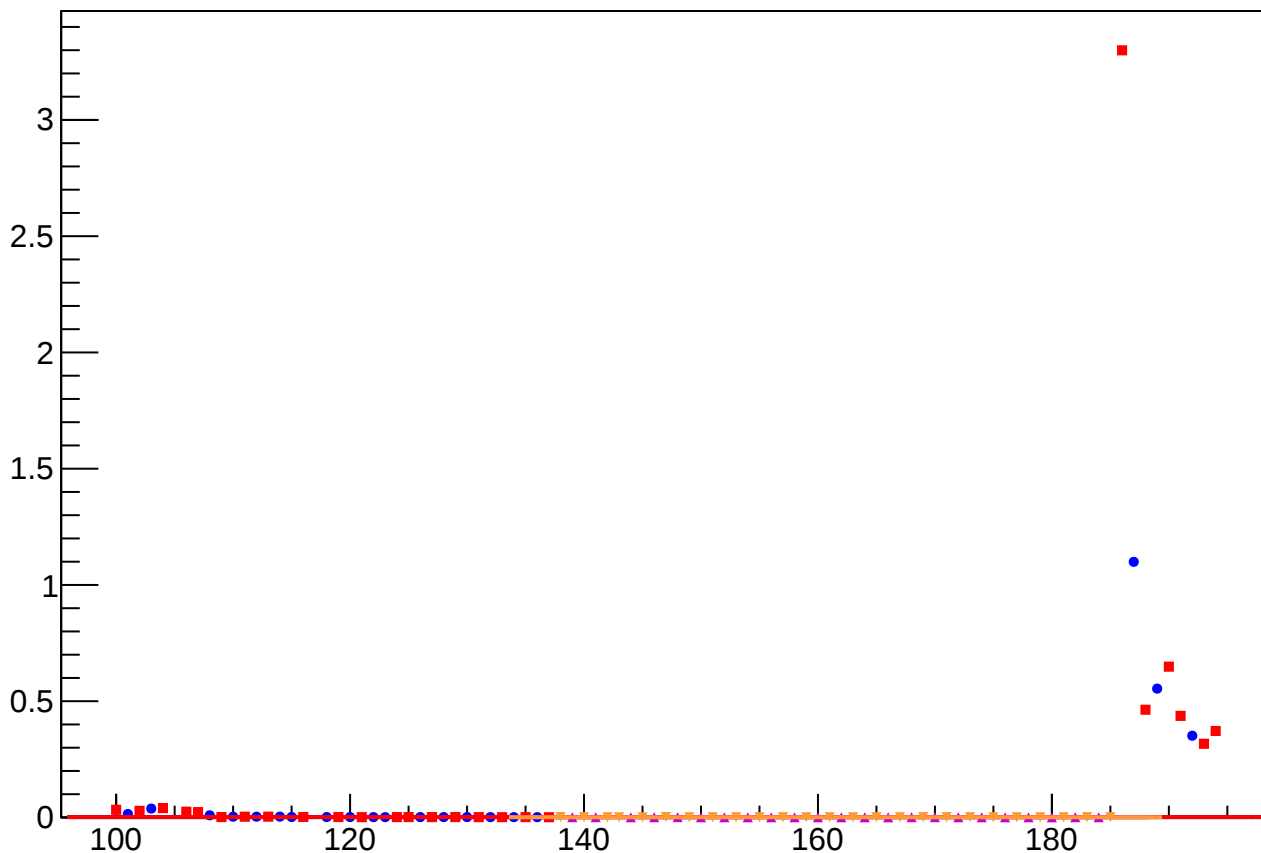
Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

+ sign -0.121+/-0.000 χ^2/NDF : 14978114746.6/44

All: -0.121+/-0.000 χ^2/NDF : 42310974581.5

- sign -0.120+/-0.000 χ^2/NDF : 27329022180.3/47

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5606773.8/19

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 9928345.4/24

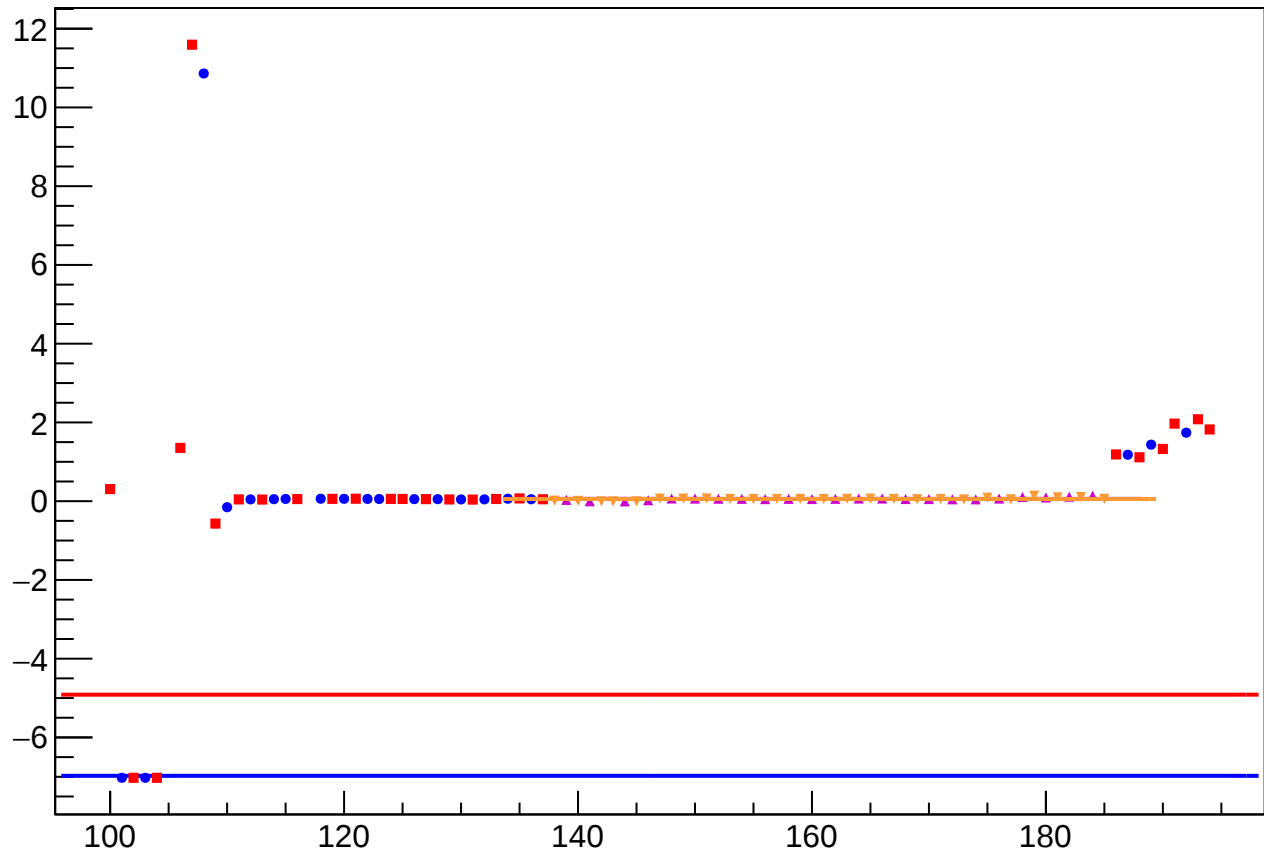
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 8131812.5/44

All: 0.001+/-0.000 χ^2/NDF : 20152993.3/92

- sign 0.001+/-0.000 χ^2/NDF : 12019107.0/47

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762510019374.2/19

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348616016097.8/24

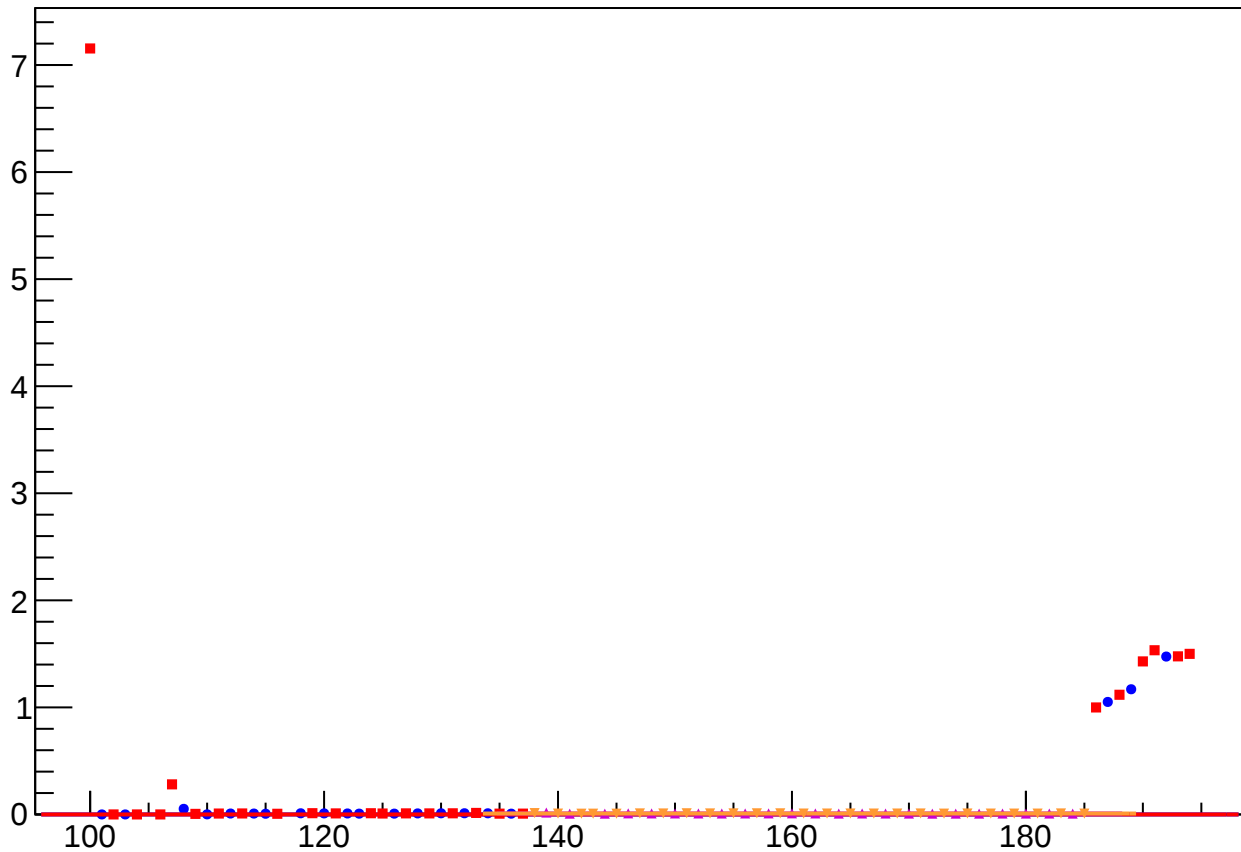
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417499996331.2/19

All: -5.858 ± 0.000 χ^2/NDF : 4435813126537.8/19

- sign -4.882 ± 0.000 χ^2/NDF : 369770907318292.1/19

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11122063.5/19

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 15443258.2/24

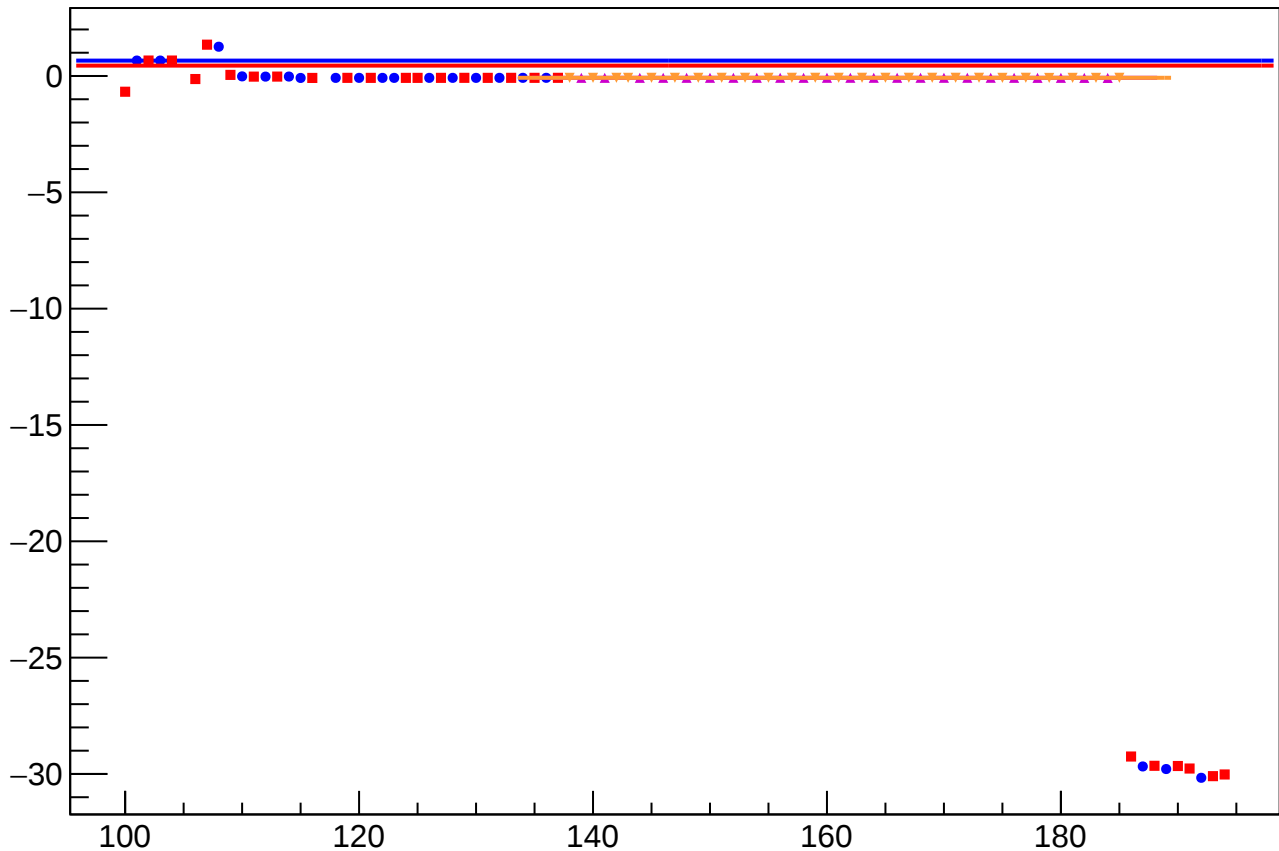
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 40109880.5/44

All: 0.000+/-0.000 χ^2/NDF : 83231663.0/92

- sign 0.000+/-0.000 χ^2/NDF : 43117344.9/47

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5596242328987.5/19

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156525648.0/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405439526000386.0/24

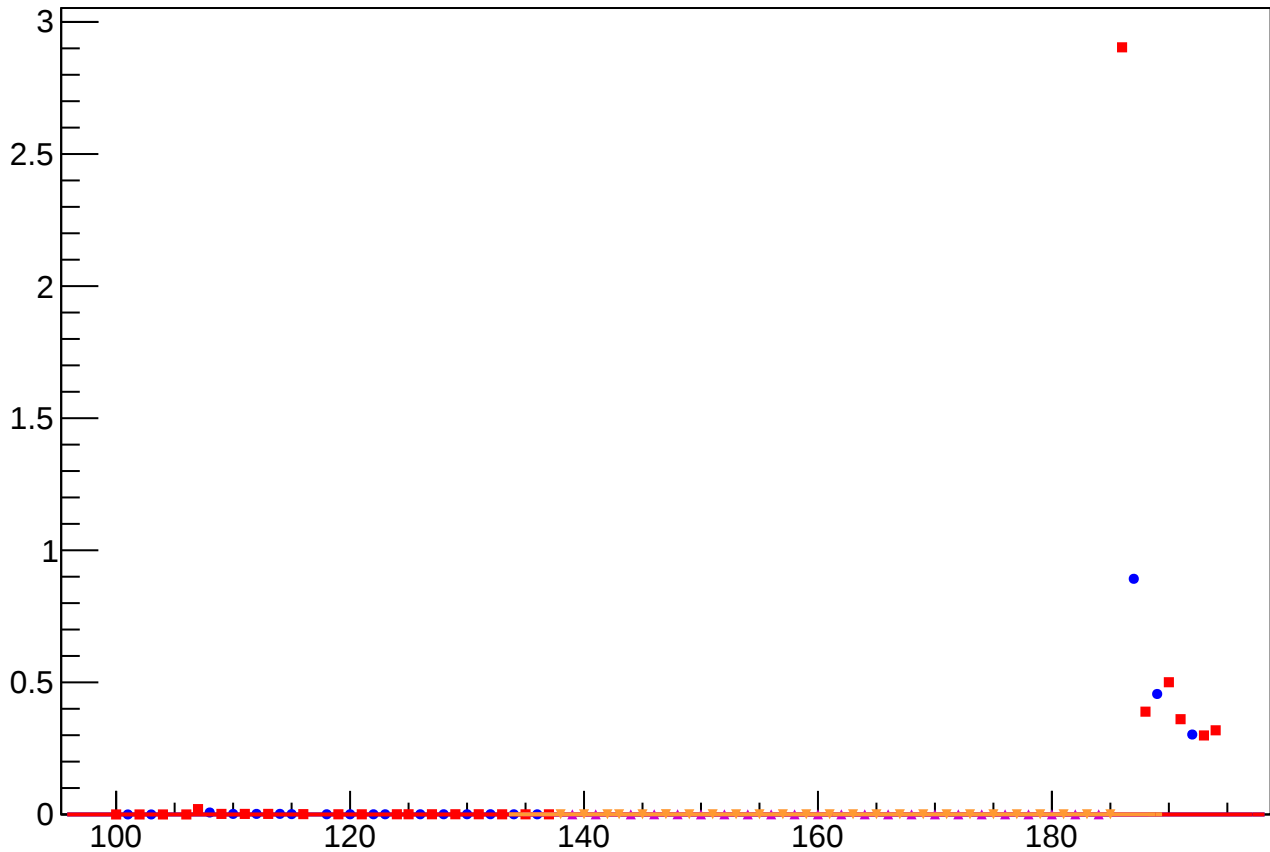
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 111221084.5/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35763745810688.1/4

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51601508485710

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419671064616521.5/4

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12677676.4/19

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16015662.7/24

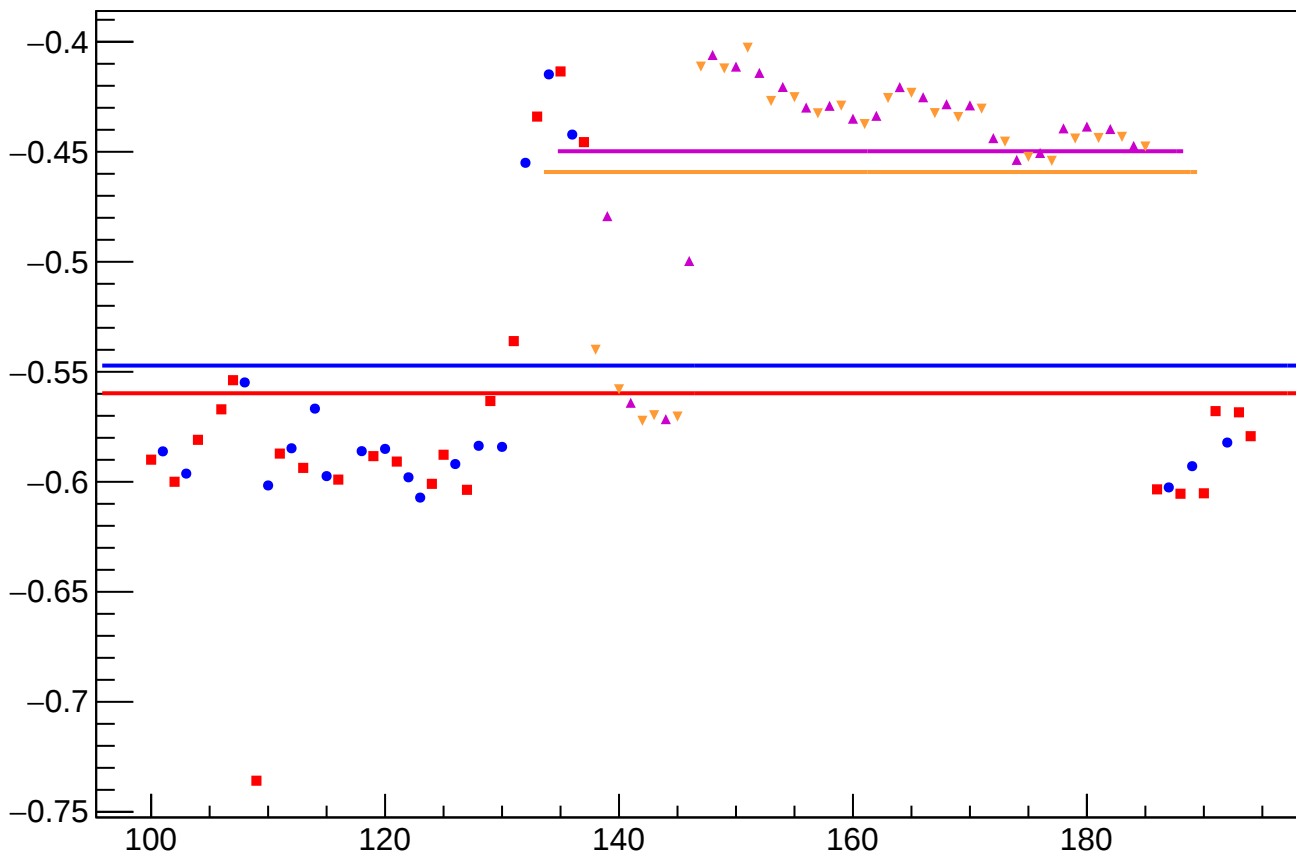
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 45327163.4/44

All: 0.000+/-0.000 χ^2/NDF : 92386851.4/92

- sign 0.000+/-0.000 χ^2/NDF : 47052552.7/47

yield_bpm4aX_mean vs Slug



Right In: -0.547 ± 0.000 χ^2/NDF : 47175204.8/19

Left Out: -0.459 ± 0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.560 ± 0.000 χ^2/NDF : 65242388.5/24

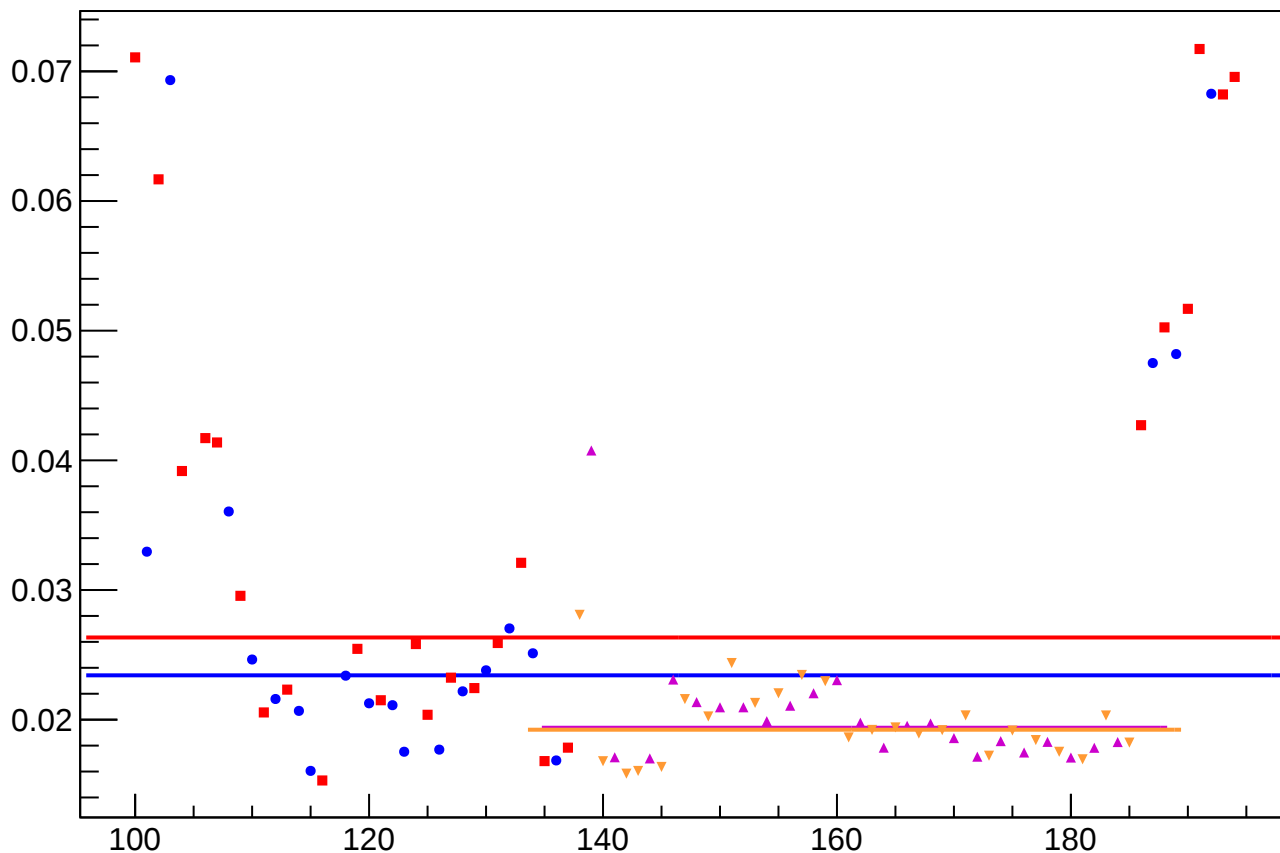
Left In: -0.450 ± 0.000 χ^2/NDF : 76151485.7/22

+ sign -0.478 ± 0.000 χ^2/NDF : 226932883.6/44

All: -0.476 ± 0.000 χ^2/NDF : 470391905.1/92

- sign -0.474 ± 0.000 χ^2/NDF : 243184038.6/47

yield_bpm4aX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 2062698.3/19

Left Out: 0.019+/-0.000 χ^2/NDF : 501253.7/24

Right Out: 0.026+/-0.000 χ^2/NDF : 3377738.1/24

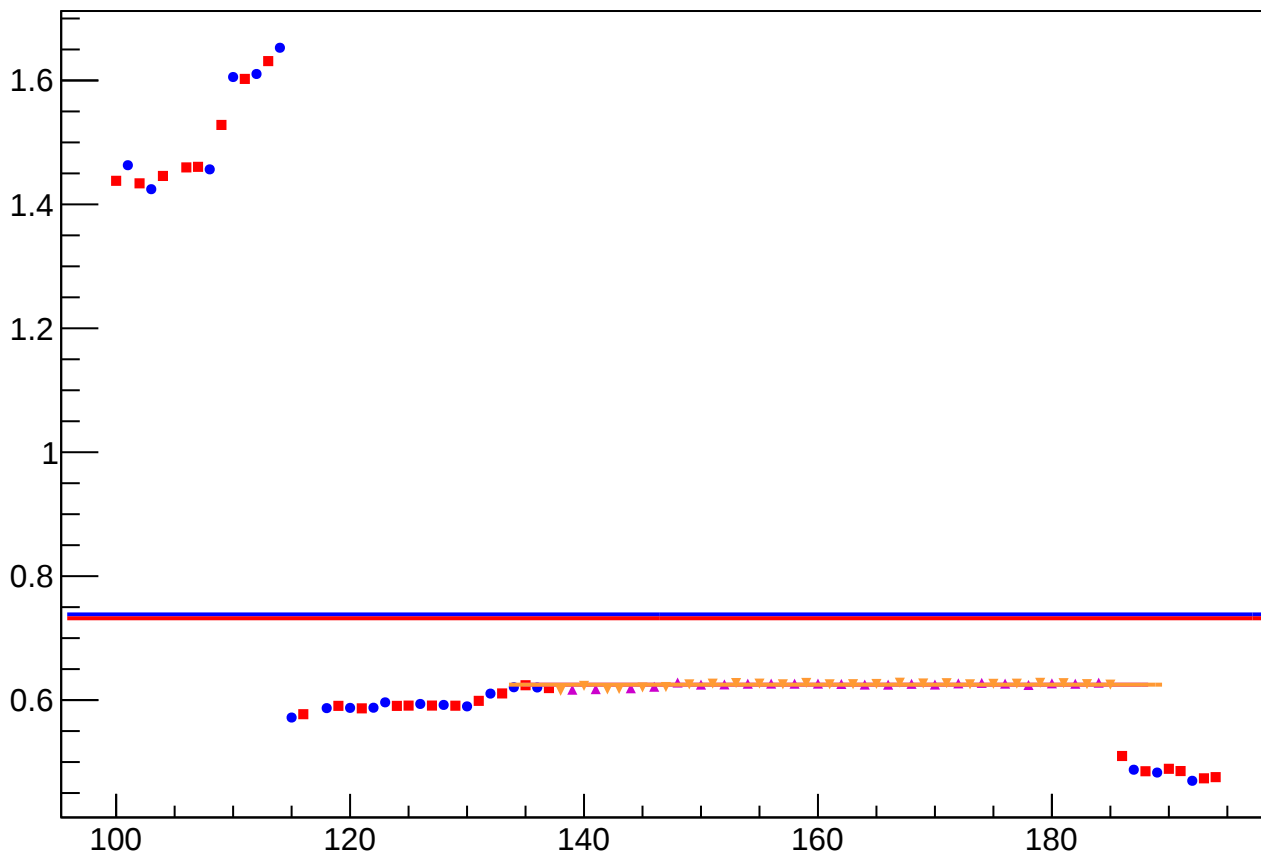
Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

+ sign 0.020+/-0.000 χ^2/NDF : 2863683.2/44

All: 0.021+/-0.000 χ^2/NDF : 7747094.4/92

- sign 0.021+/-0.000 χ^2/NDF : 4849304.2/47

yield_bpm4aY_mean vs Slug



Right In: 0.738 $\pm$ 0.000 χ^2 /NDF: 4031853885.3/19

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.732 $\pm$ 0.000 χ^2 /NDF: 5164788480.6/24

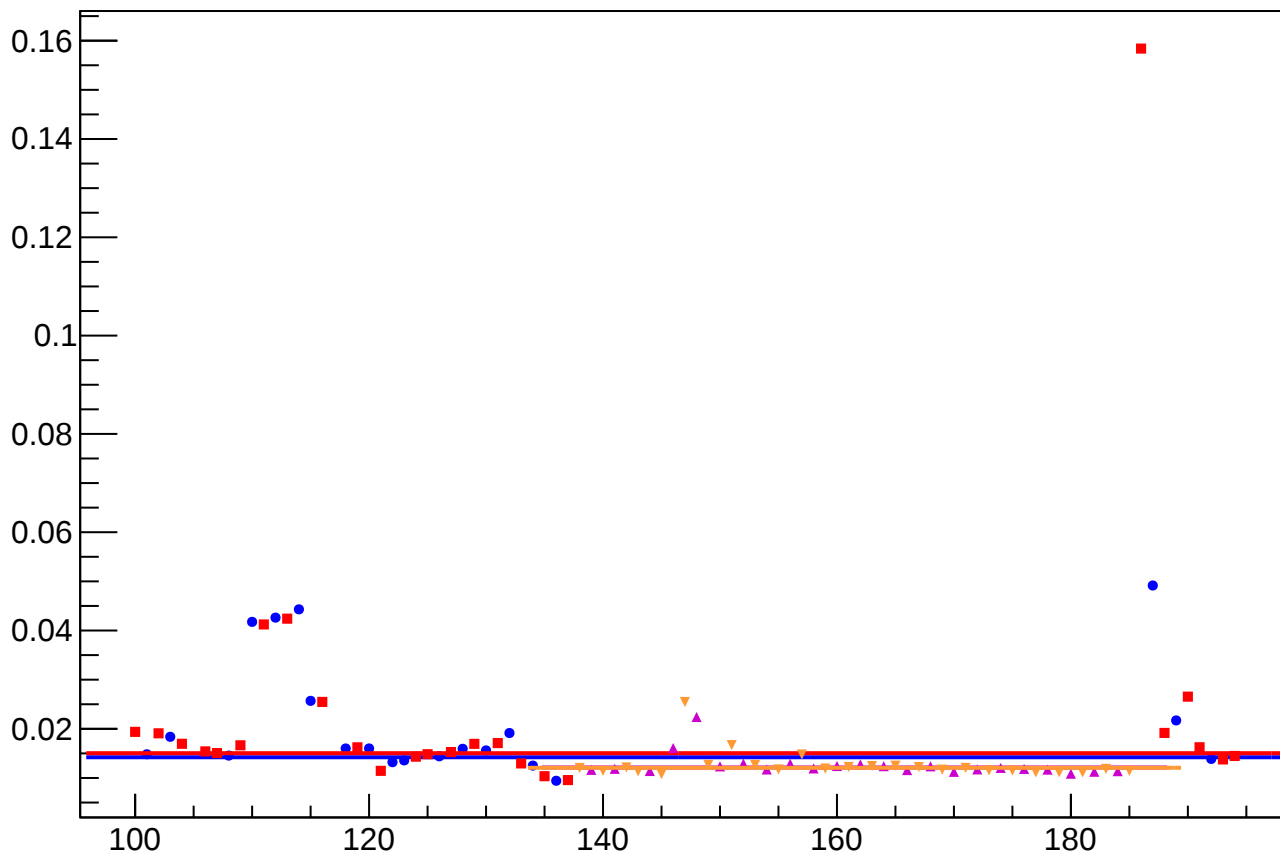
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.650 $\pm$ 0.000 χ^2 /NDF: 4374623022.2/44

All: 0.651 $\pm$ 0.000 χ^2 /NDF: 9875407630.7/92

- sign 0.652 $\pm$ 0.000 χ^2 /NDF: 5500333676.9/47

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1627381.3/19

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2051741.5/24

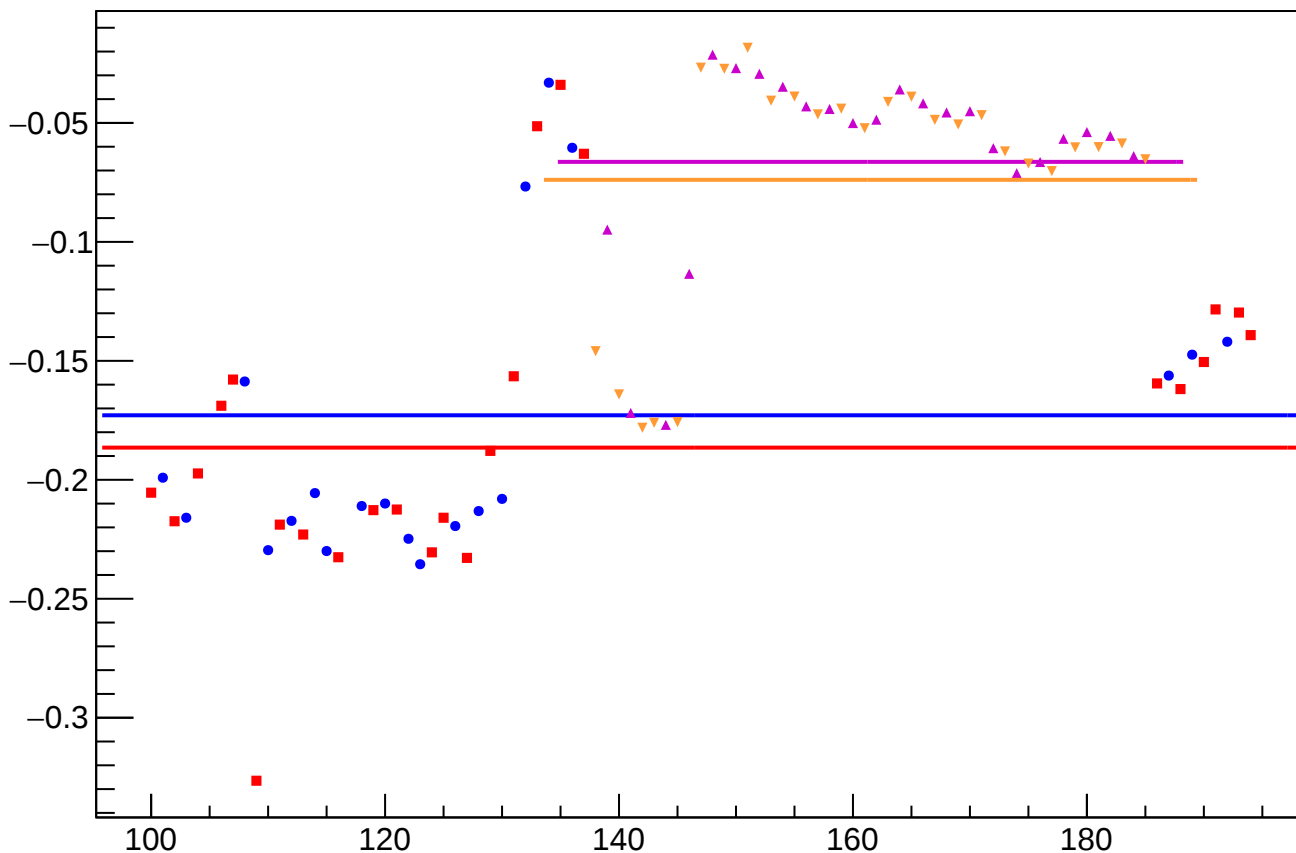
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2528819.1/44

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5577977.0/92

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3031942.1/47

yield_bpm4eX_mean vs Slug



Right In: -0.173+/-0.000 χ^2/NDF : 67155655.5/19

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.186+/-0.000 χ^2/NDF : 83103863.0/24

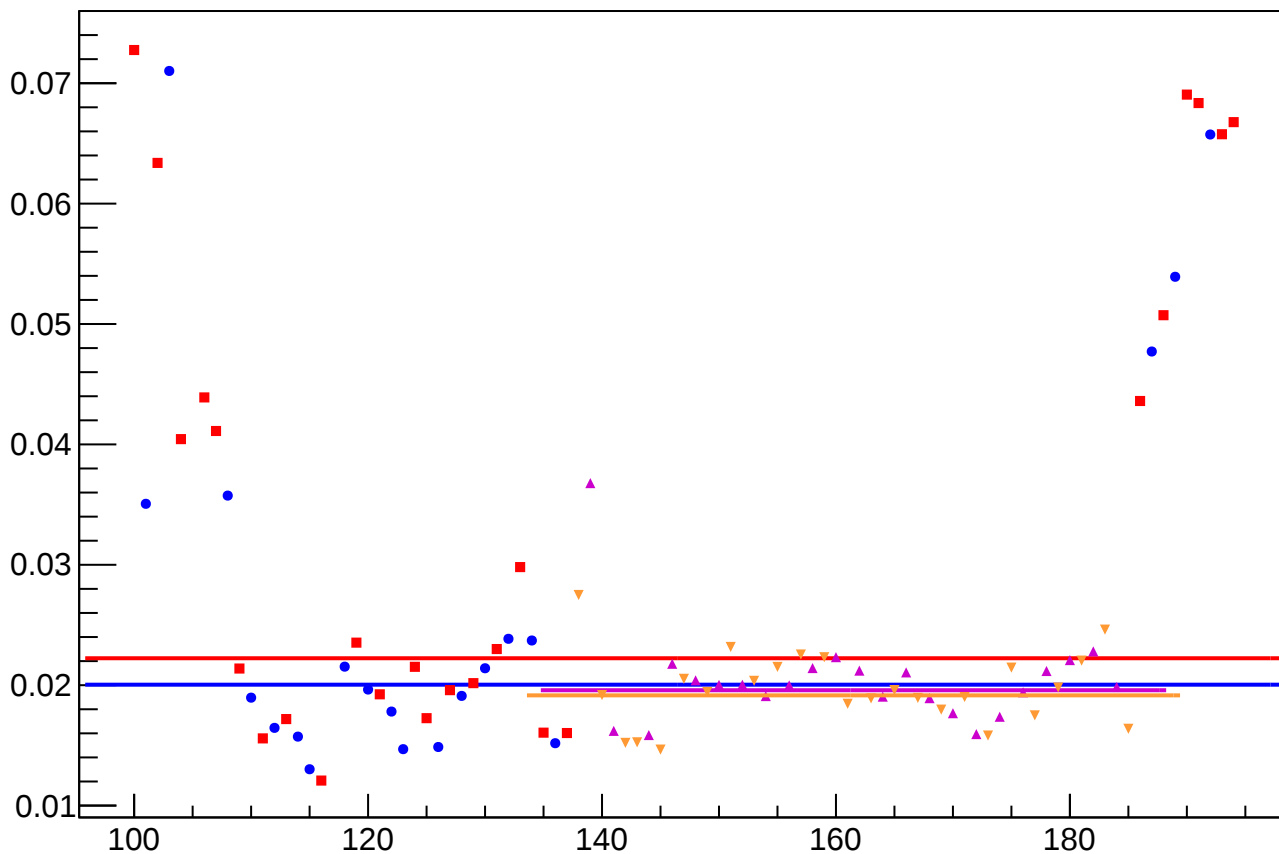
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.099+/-0.000 χ^2/NDF : 278683436.7/44

All: -0.100+/-0.000 χ^2/NDF : 588047666.0/92

- sign -0.100+/-0.000 χ^2/NDF : 309360579.7/47

yield_bpm4eX_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 2533729.0/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641027.3/24

Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 4255472.8/24

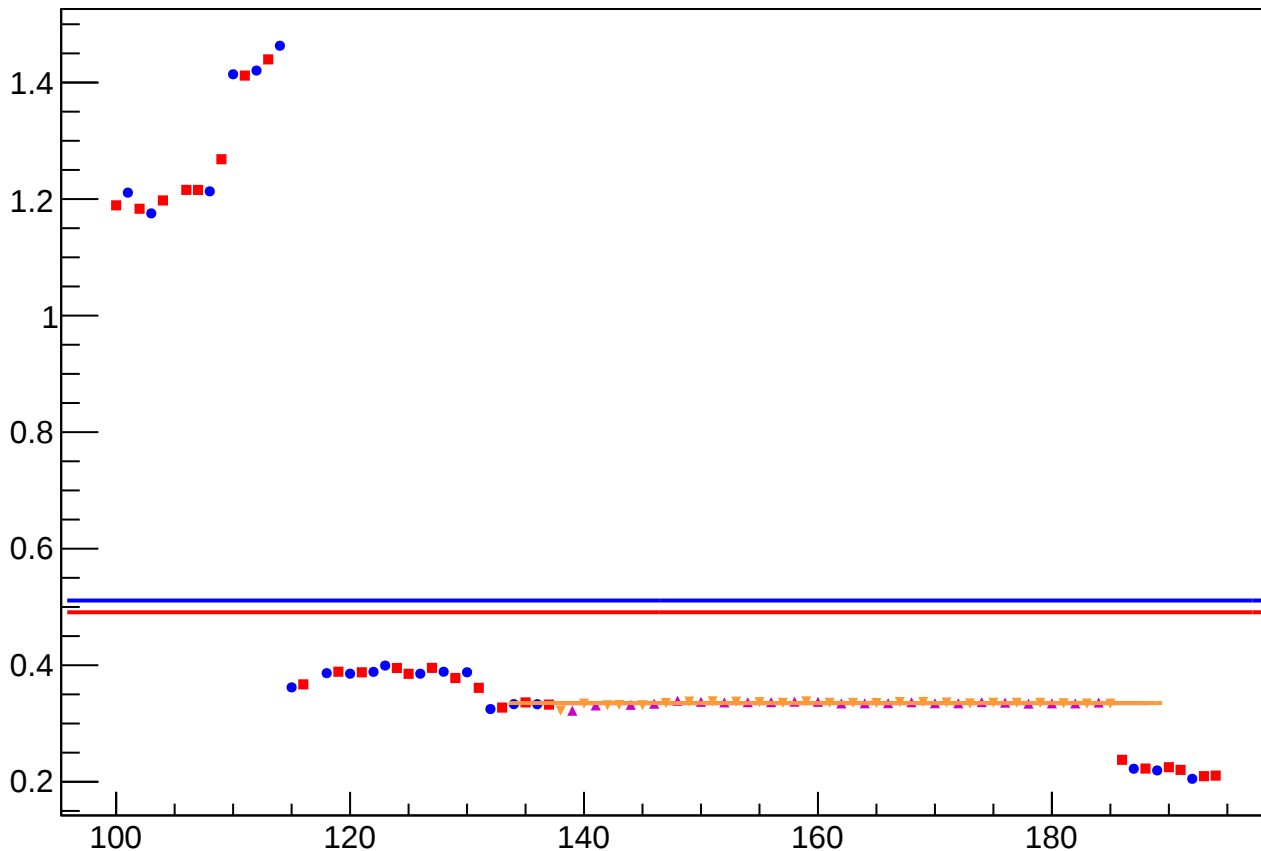
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 3191395.9/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 8291864.9/92

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5053594.2/47

yield_bpm4eY_mean vs Slug



Right In: 0.511+/-0.000 χ^2/NDF : 5776798379.7/19

Left Out: 0.335+/-0.000 χ^2/NDF : 1153956.7/24

Right Out: 0.491+/-0.000 χ^2/NDF : 7181489122.4/24

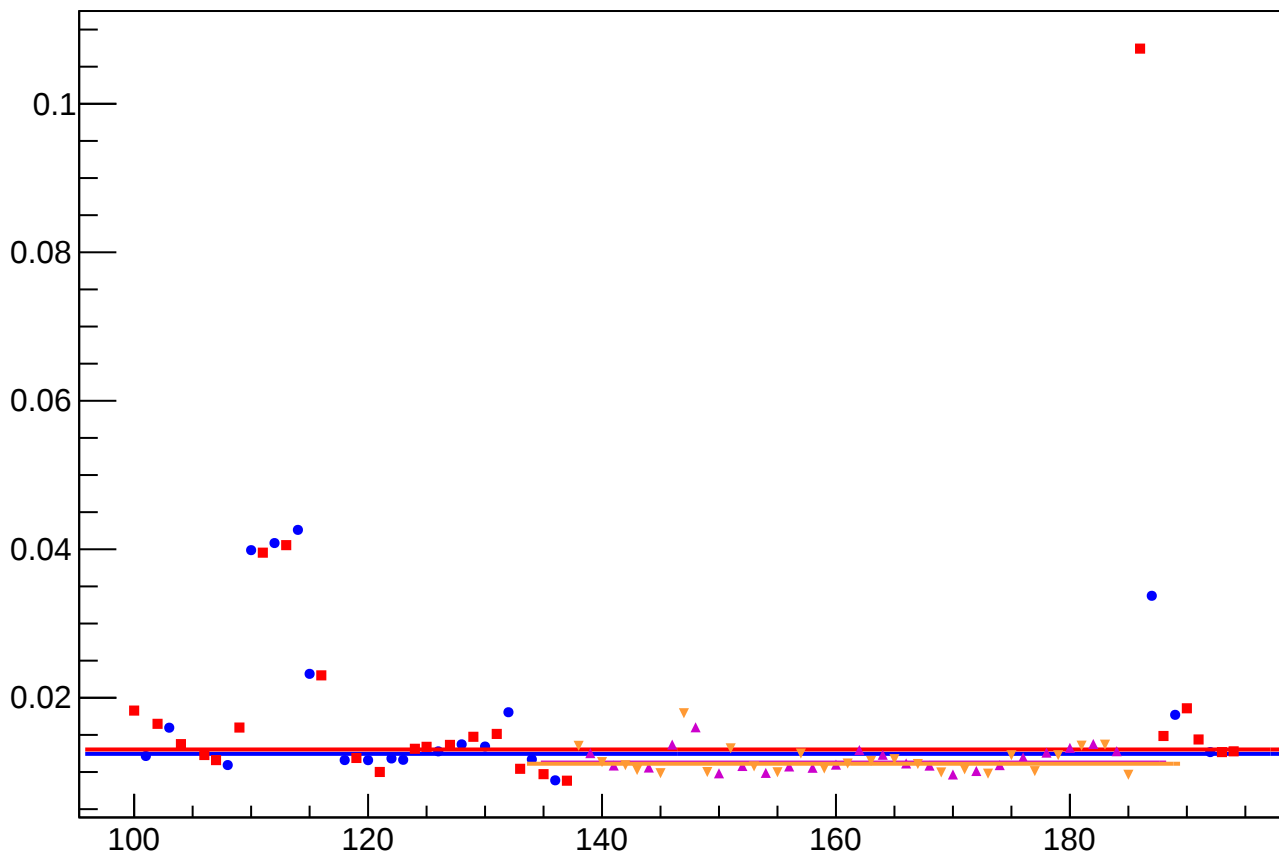
Left In: 0.335+/-0.000 χ^2/NDF : 1198302.8/22

+ sign 0.377+/-0.000 χ^2/NDF : 6829852504.6/44

All: 0.378+/-0.000 χ^2/NDF : 14916601333.8/9

- sign 0.379+/-0.000 χ^2/NDF : 8086359191.2/47

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1493493.2/19

Left Out: 0.011+/-0.000 χ^2/NDF : 608235.7/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1916043.8/24

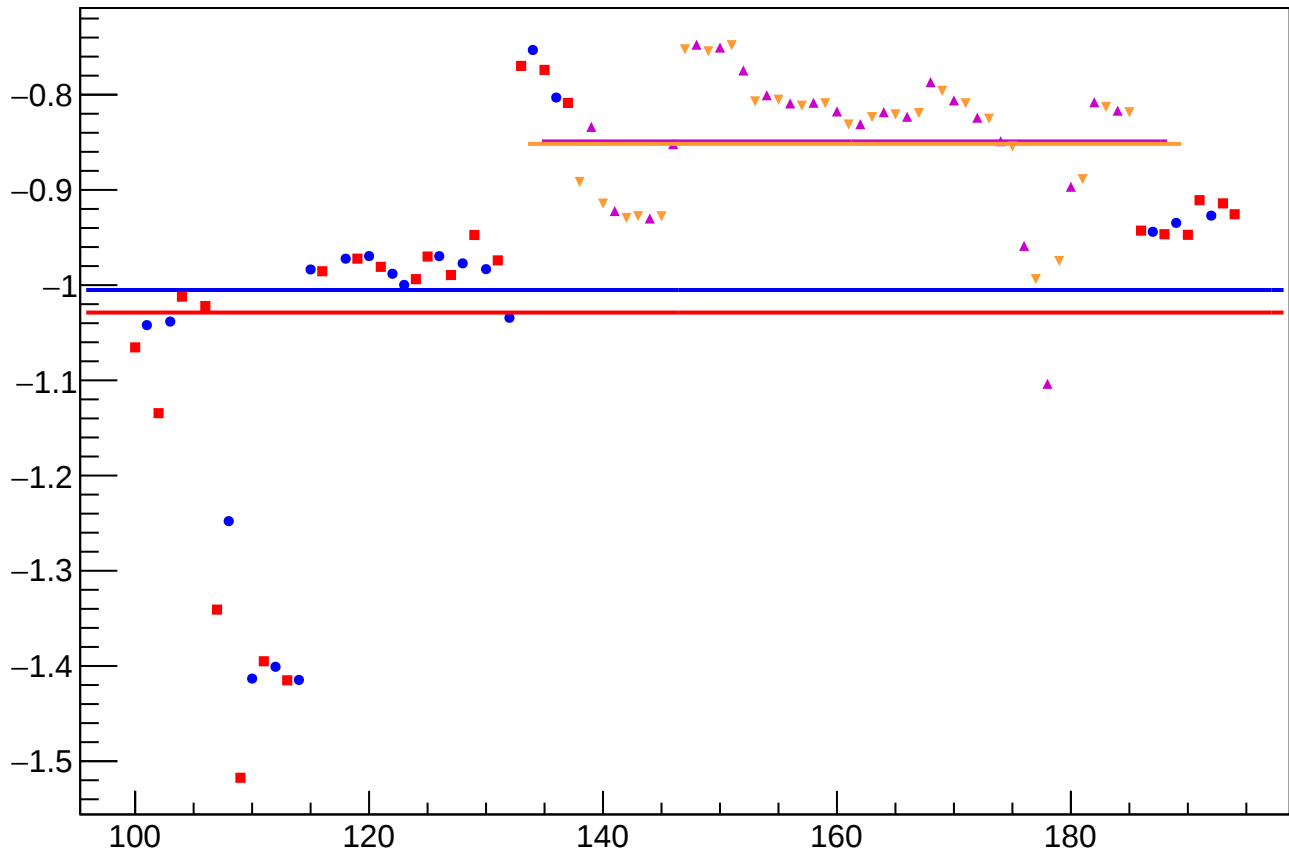
Left In: 0.011+/-0.000 χ^2/NDF : 502226.7/22

+ sign 0.011+/-0.000 χ^2/NDF : 2222201.7/44

All: 0.012+/-0.000 χ^2/NDF : 4893029.5/92

- sign 0.012+/-0.000 χ^2/NDF : 2649469.6/47

yield_bpm4acX_mean vs Slug



Right In: -1.005 ± 0.000 χ^2/NDF : 395592217.4/19

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.029 ± 0.000 χ^2/NDF : 545021224.6/24

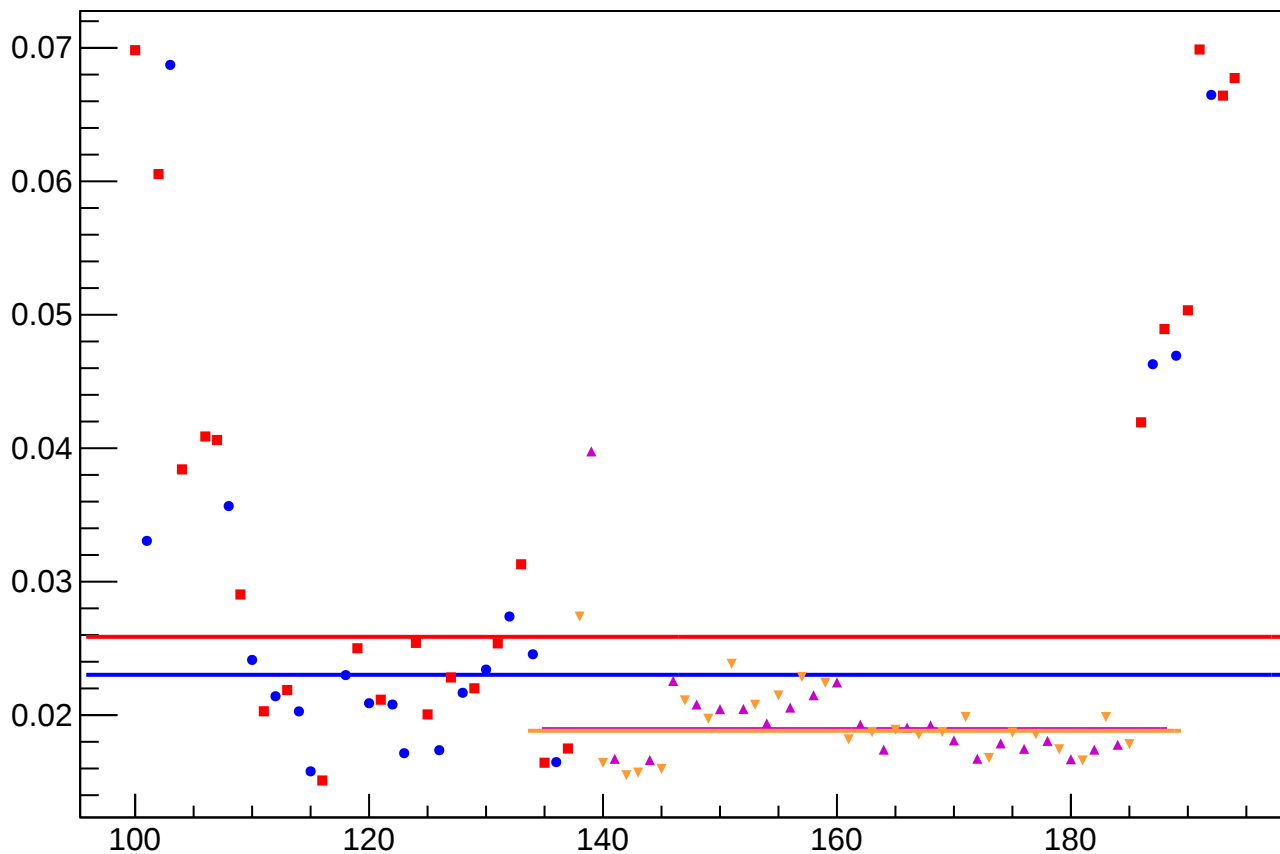
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792772974.6/44

All: -0.886 ± 0.000 χ^2/NDF : 1877256240.7/9

- sign -0.889 ± 0.000 χ^2/NDF : 1083770982.0/47

yield_bpm4acX_rms vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 2075419.3/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490084.5/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 3349983.7/24

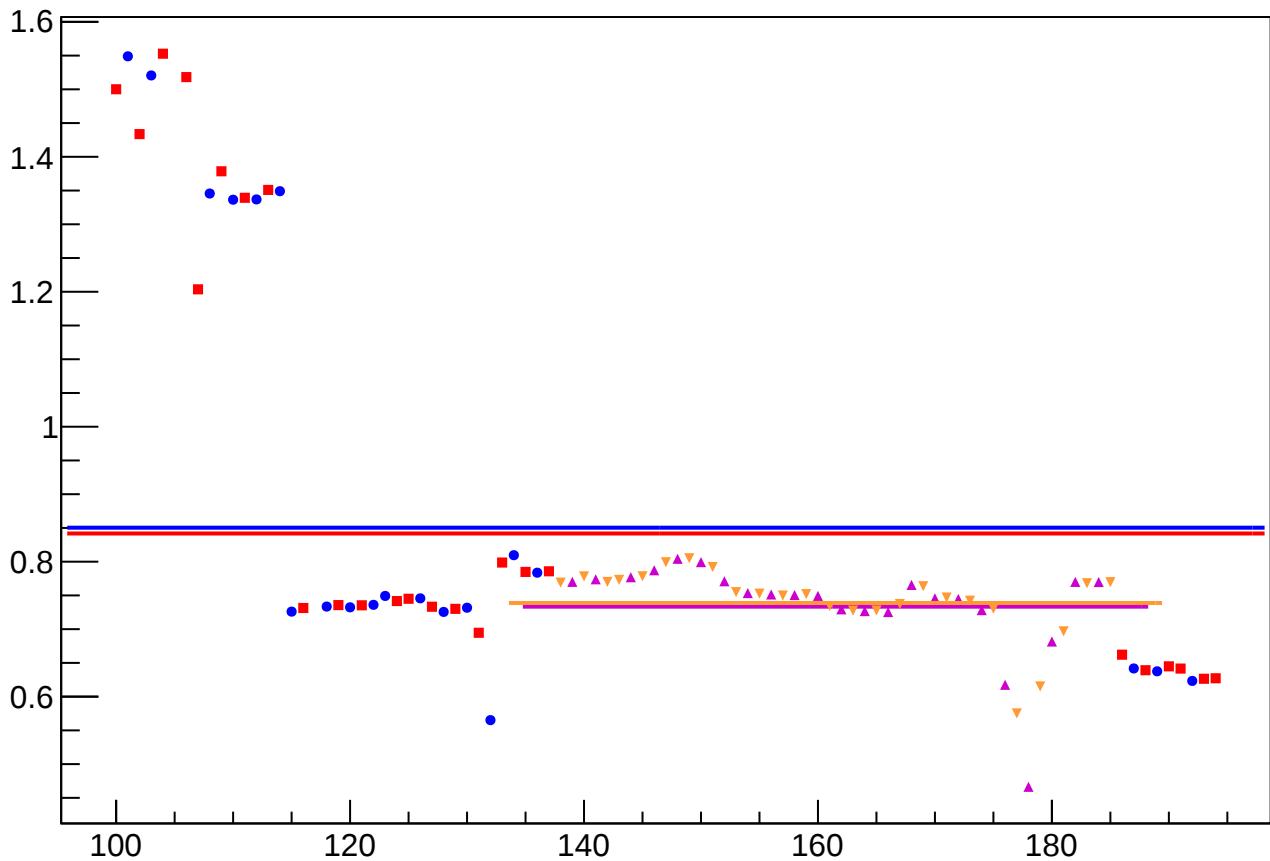
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:645048.1/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2875883.5/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 7739134.2/92

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4831456.0/47

yield_bpm4acY_mean vs Slug



Right In: 0.850 ± 0.000 χ^2/NDF : 2727924894.2/19

Left Out: 0.739 ± 0.000 χ^2/NDF : 333086309.0/24

+ sign 0.763 ± 0.000 χ^2/NDF : 3383108753.3/44

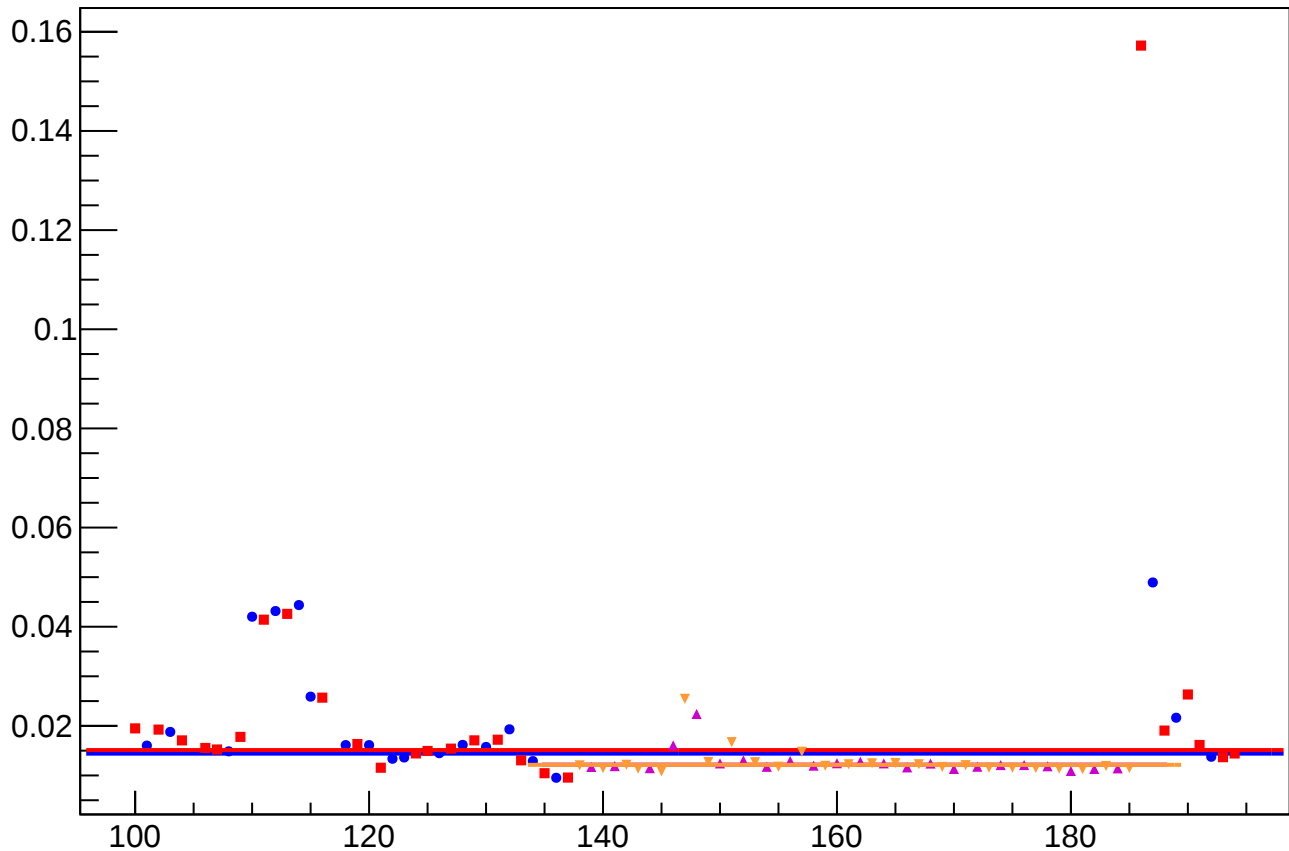
Right Out: 0.842 ± 0.000 χ^2/NDF : 3136291368.8/24

All: 0.762 ± 0.000 χ^2/NDF : 7428143548.5/92

Left In: 0.733 ± 0.000 χ^2/NDF : 570264411.7/22

- sign 0.761 ± 0.000 χ^2/NDF : 4044719077.6/47

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1632047.0/19

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2052259.2/24

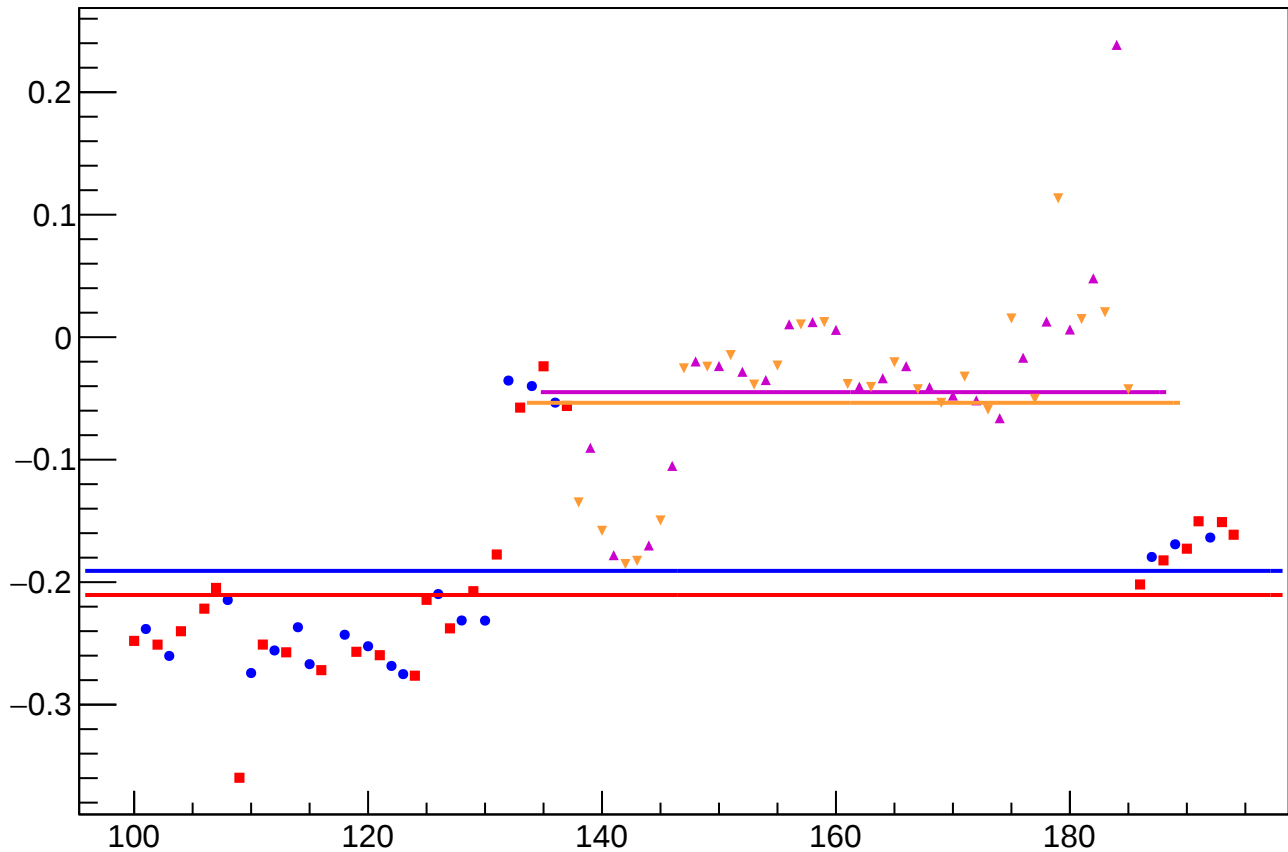
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2534190.5/44

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5577086.5/92

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3028602.1/47

yield_bpm4ecX_mean vs Slug



Right In: -0.191+/-0.000 χ^2/NDF : 106186093.6/19

Left Out: -0.054+/-0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.210+/-0.000 χ^2/NDF : 111280709.6/24

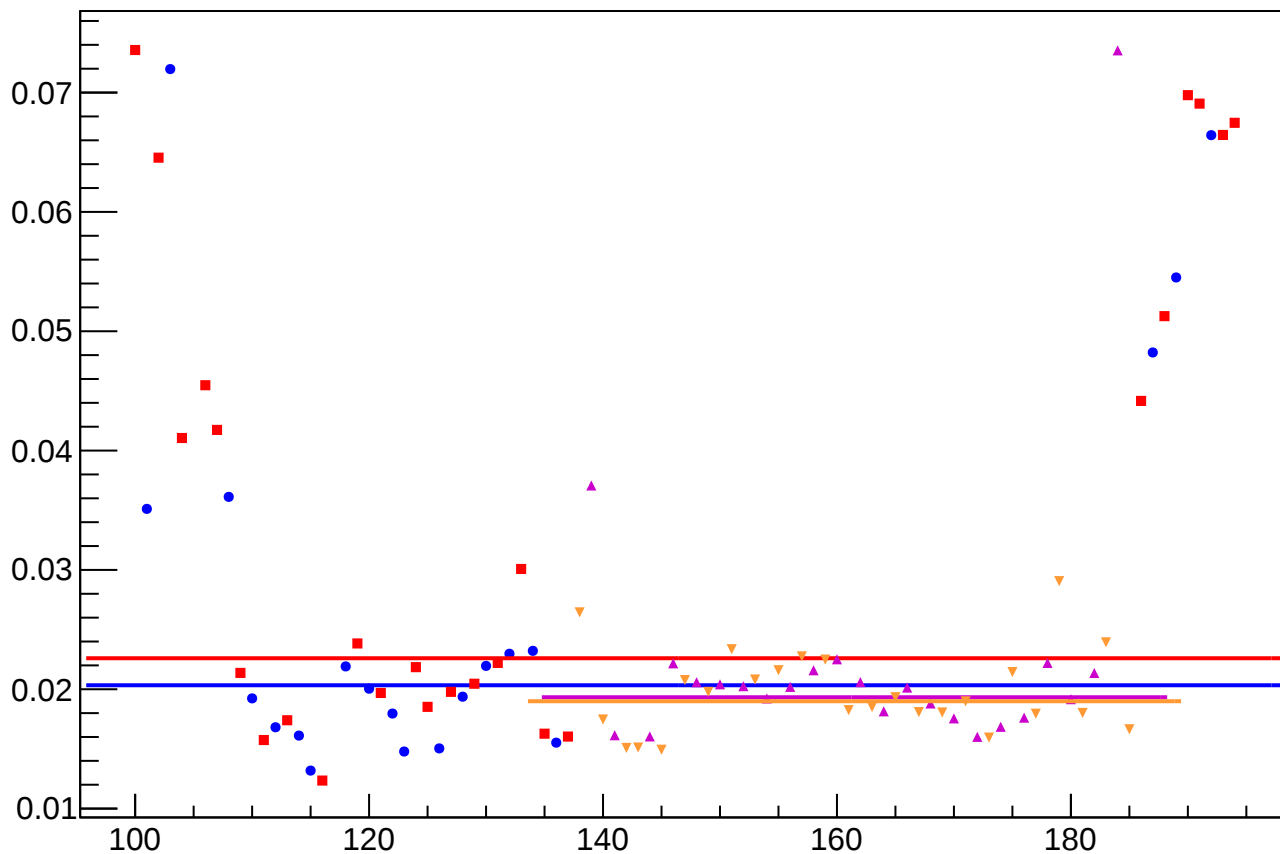
Left In: -0.045+/-0.000 χ^2/NDF : 127324000.1/22

+ sign -0.089+/-0.000 χ^2/NDF : 468569769.9/44

All: -0.089+/-0.000 χ^2/NDF : 985471085.0/92

- sign -0.090+/-0.000 χ^2/NDF : 516850587.6/47

yield_bpm4ecX_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 2499822.5/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:699267.5/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 4230414.0/24

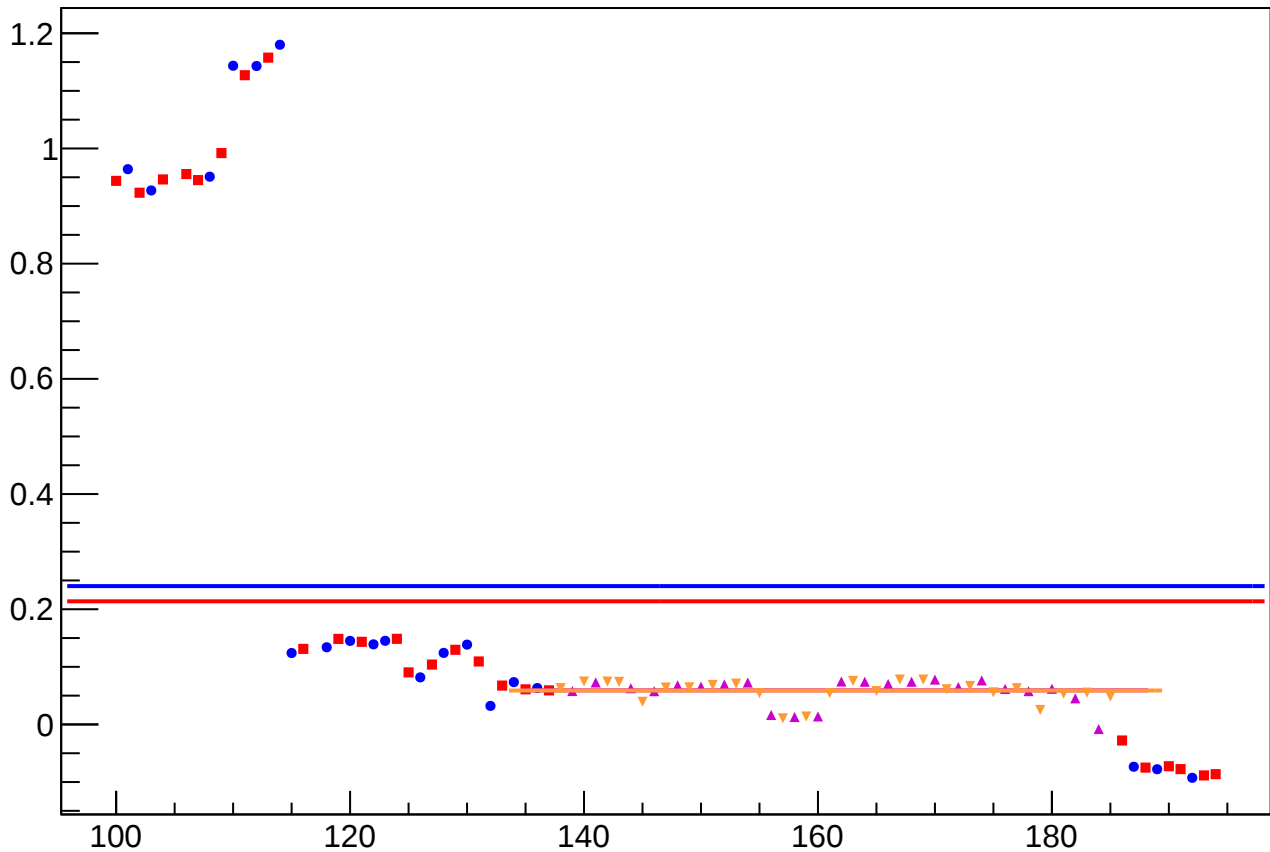
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:892810.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 3236068.8/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 8617141.5/92

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5340031.0/47

yield_bpm4ecY_mean vs Slug



Right In: 0.240 $\pm$ 0.000 χ^2 /NDF: 6073363266.0/19

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.214 $\pm$ 0.000 χ^2 /NDF: 7443693817.5/24

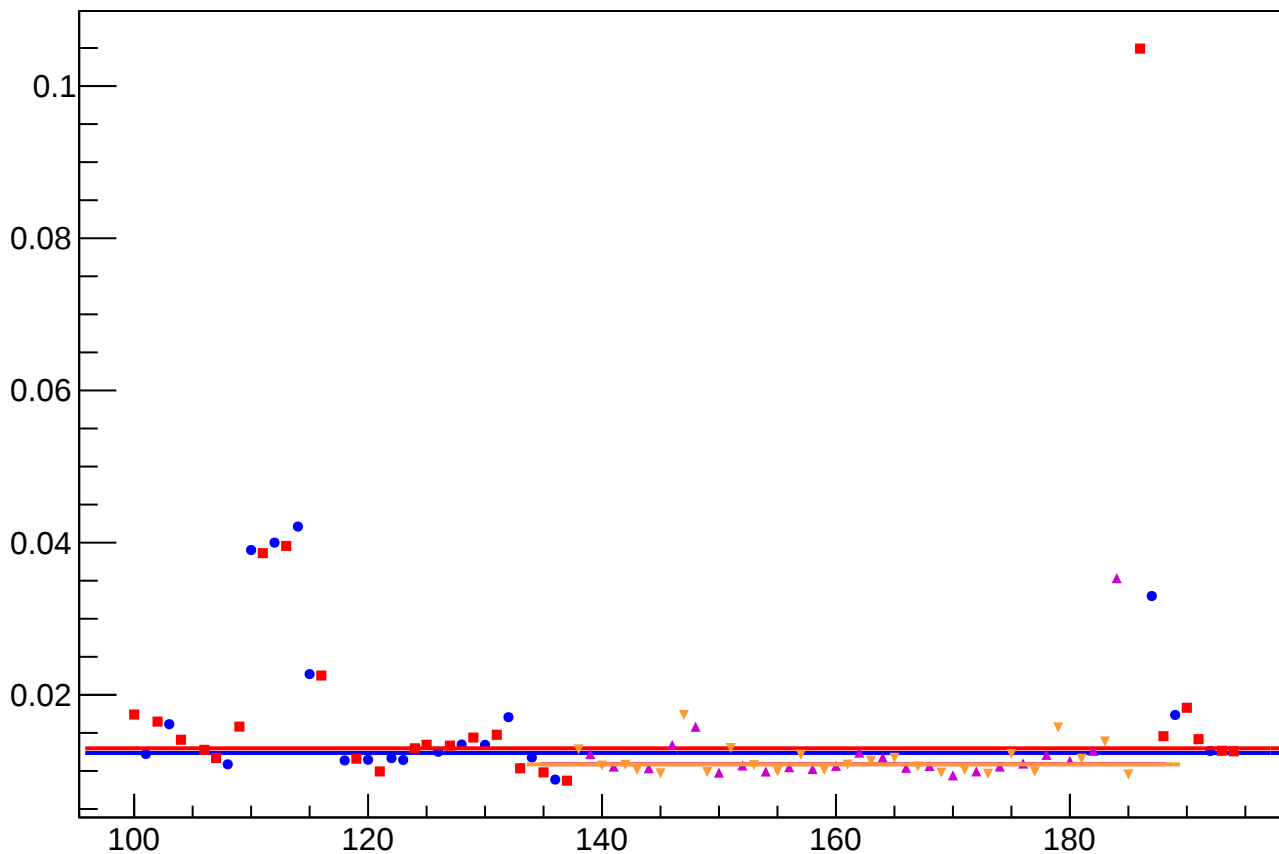
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.102 $\pm$ 0.000 χ^2 /NDF: 7254163313.8/44

All: 0.102 $\pm$ 0.000 χ^2 /NDF: 15663510688.5/9

- sign 0.102 $\pm$ 0.000 χ^2 /NDF: 8409342606.8/47

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1459953.2/19

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1872184.0/24

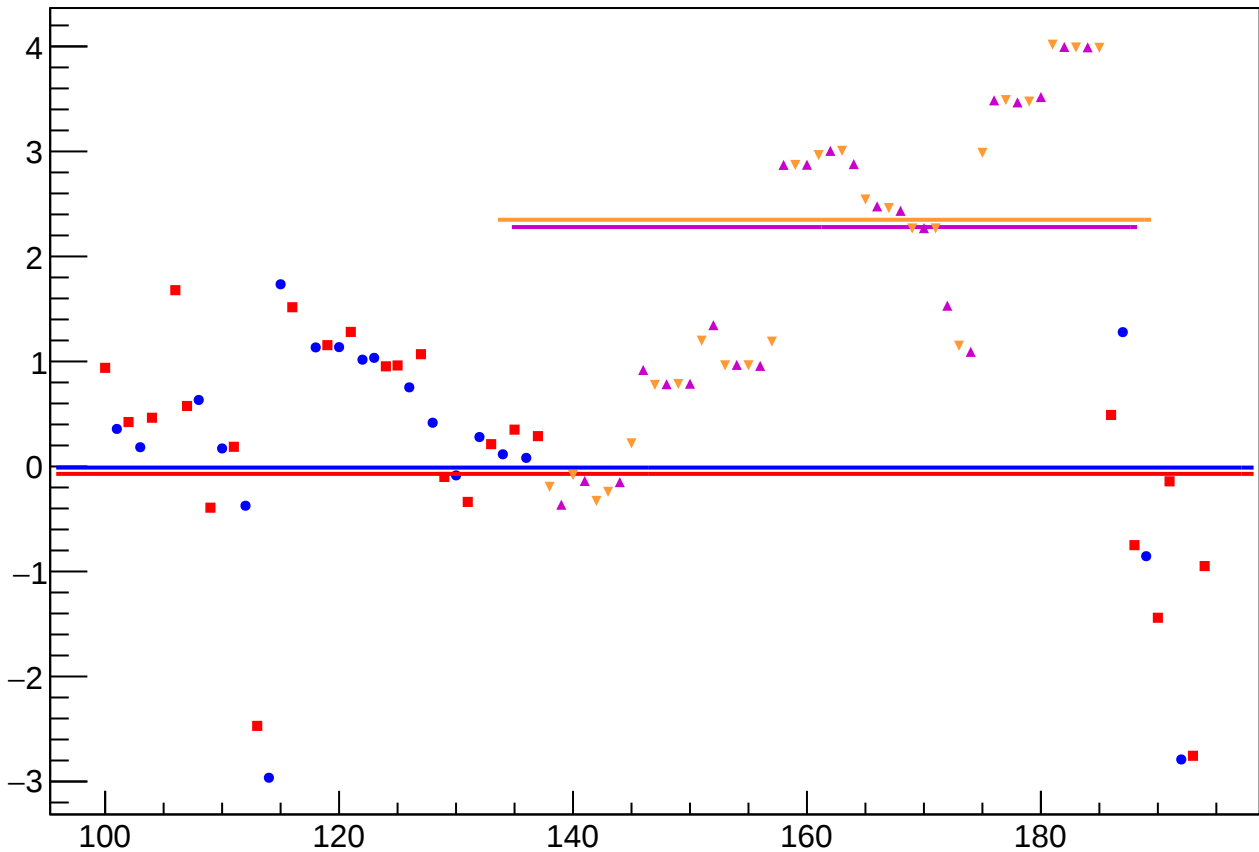
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:529867.3/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2220525.8/44

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4963339.8/92

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2731330.0/47

yield_bpm1X_mean vs Slug



Right In: -0.011 ± 0.000 $\chi^2/\text{NDF}: 2535341168.7/19$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.071 ± 0.000 $\chi^2/\text{NDF}: 3271010230.2/24$

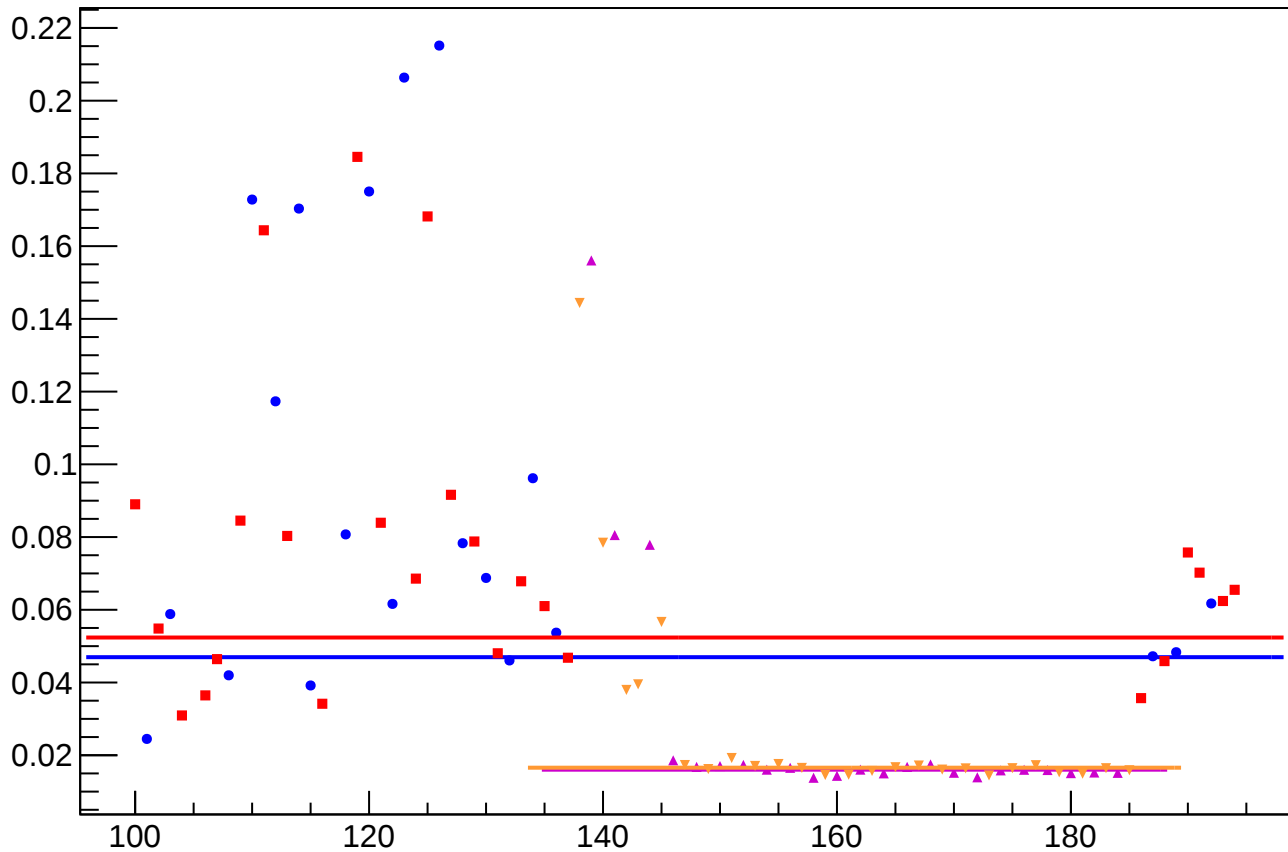
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.252 ± 0.000 $\chi^2/\text{NDF}: 77873344744.7/44$

All: 2.210 ± 0.000 $\chi^2/\text{NDF}: 156519033793.3$

- sign 2.168 ± 0.000 $\chi^2/\text{NDF}: 78454671337.0/47$

yield_bpm1X_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 2890396.2/19

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 2551724.6/24

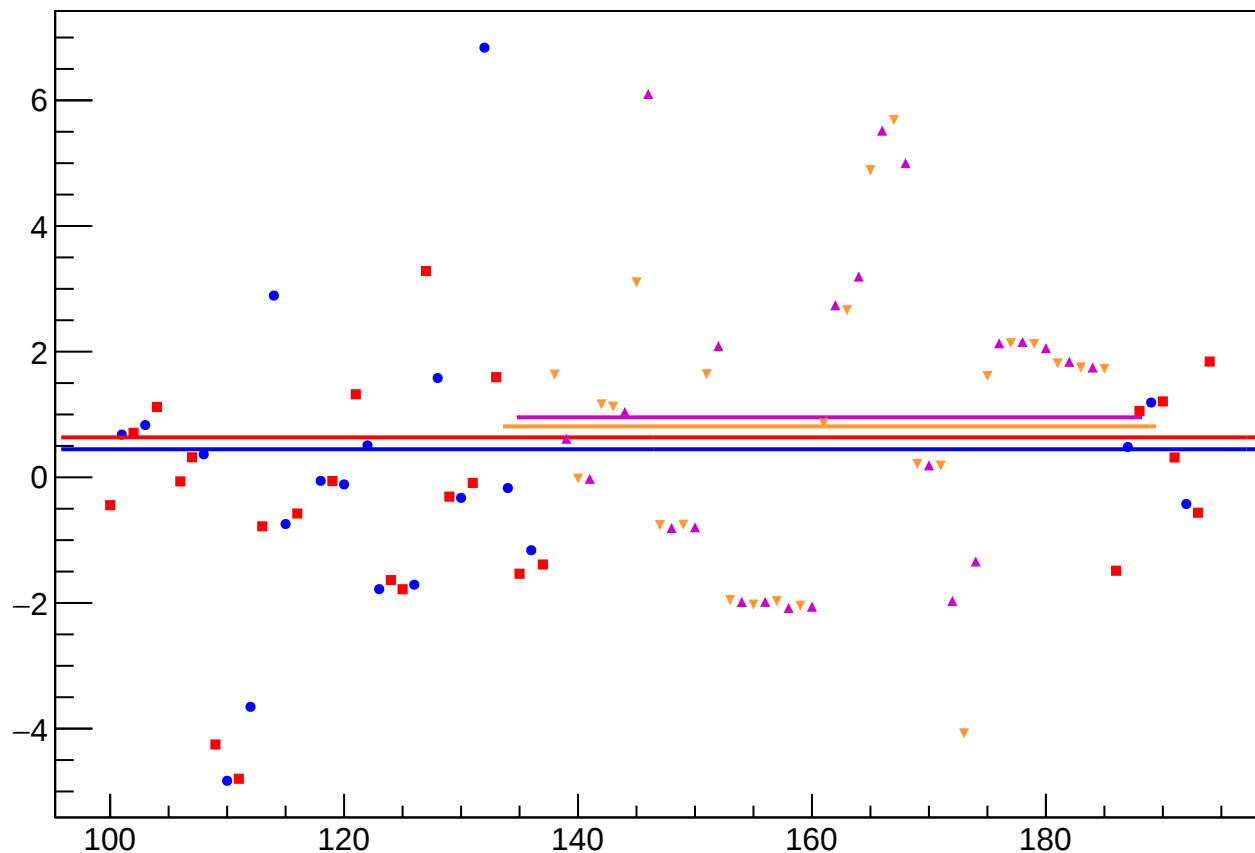
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 9407099.6/44

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 20991906.3/92

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 11584562.7/47

yield_bpm1Y_mean vs Slug



Right In: 0.447 ± 0.000 χ^2/NDF : 13728449066.0/19

Left Out: 0.810 ± 0.000 χ^2/NDF : 507583198570.2/24

Right Out: 0.635 ± 0.000 χ^2/NDF : 10979960922.7/24

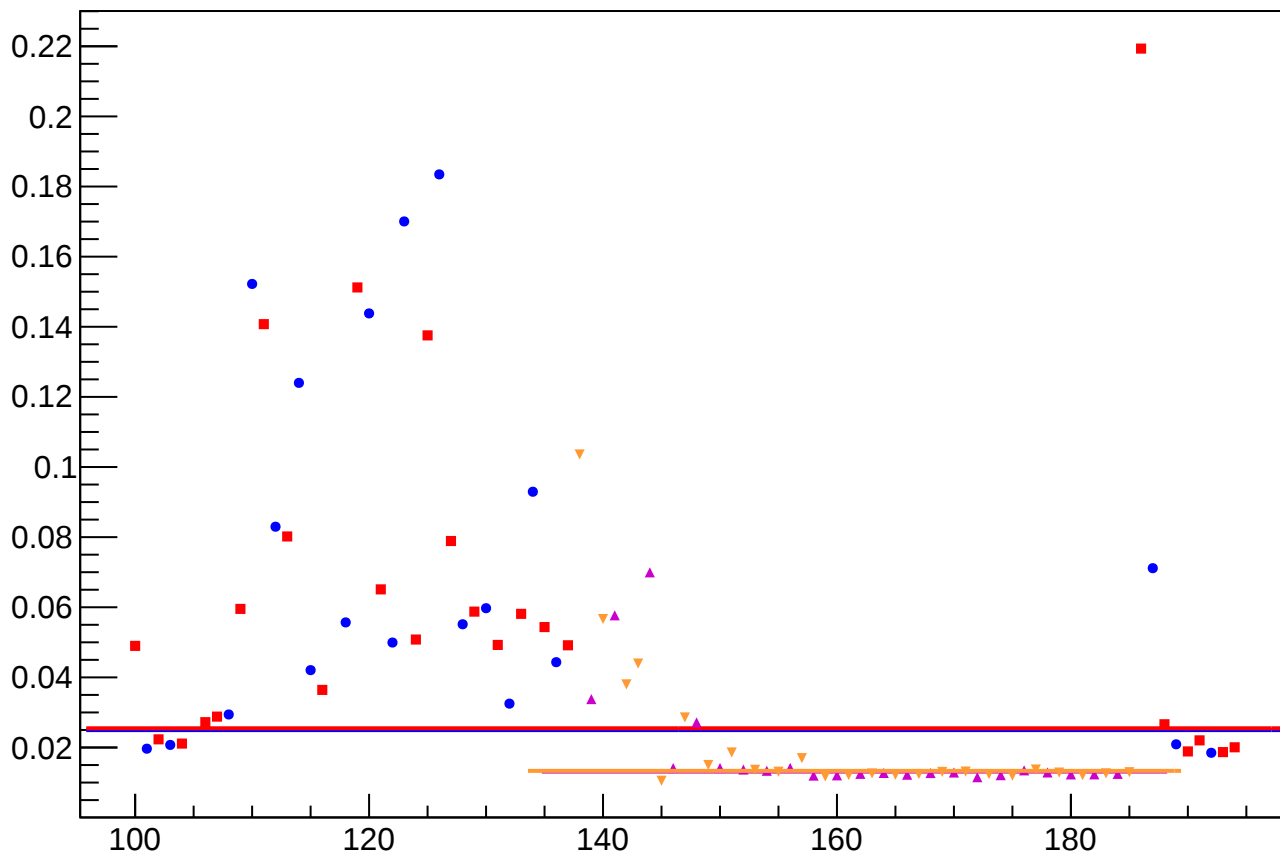
Left In: 0.954 ± 0.000 χ^2/NDF : 574792794608.3/22

+ sign 0.782 ± 0.000 χ^2/NDF : 522176939024.3/44

All: 0.854 ± 0.000 χ^2/NDF : 1109733799176.

- sign 0.923 ± 0.000 χ^2/NDF : 586635885218.3/47

yield_bpm1Y_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF : 3457121.6/19

Left Out: 0.013+/-0.000 χ^2/NDF : 2829070.5/24

Right Out: 0.025+/-0.000 χ^2/NDF : 4394193.3/24

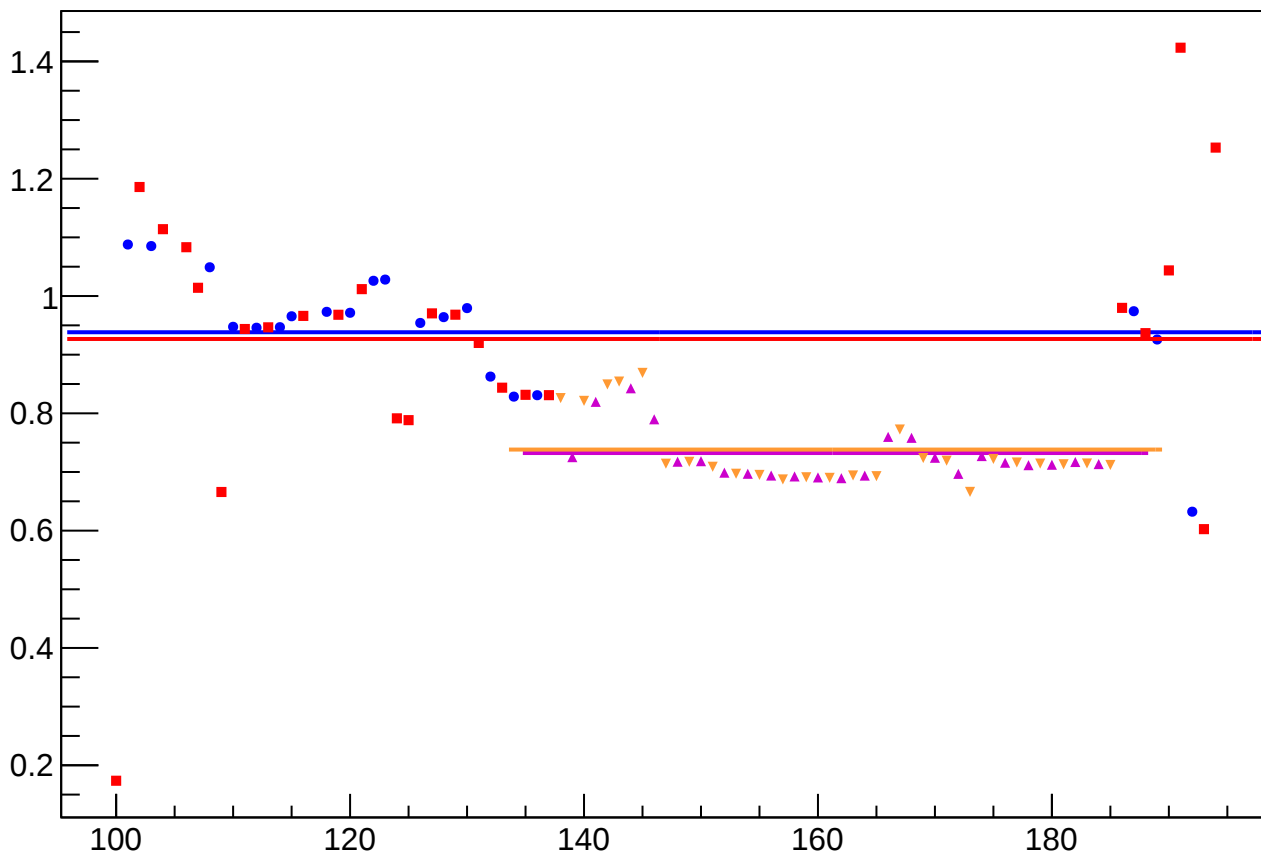
Left In: 0.013+/-0.000 χ^2/NDF : 1968206.9/22

+ sign 0.014+/-0.000 χ^2/NDF : 8053870.7/44

All: 0.014+/-0.000 χ^2/NDF : 17007401.8/92

- sign 0.014+/-0.000 χ^2/NDF : 8952066.4/47

yield_bpm11X_mean vs Slug



Right In: 0.938 $\pm$ 0.000 χ^2 /NDF: 298477349.9/19

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310610047.7/24

Right Out: 0.927 $\pm$ 0.000 χ^2 /NDF: 660516866.4/24

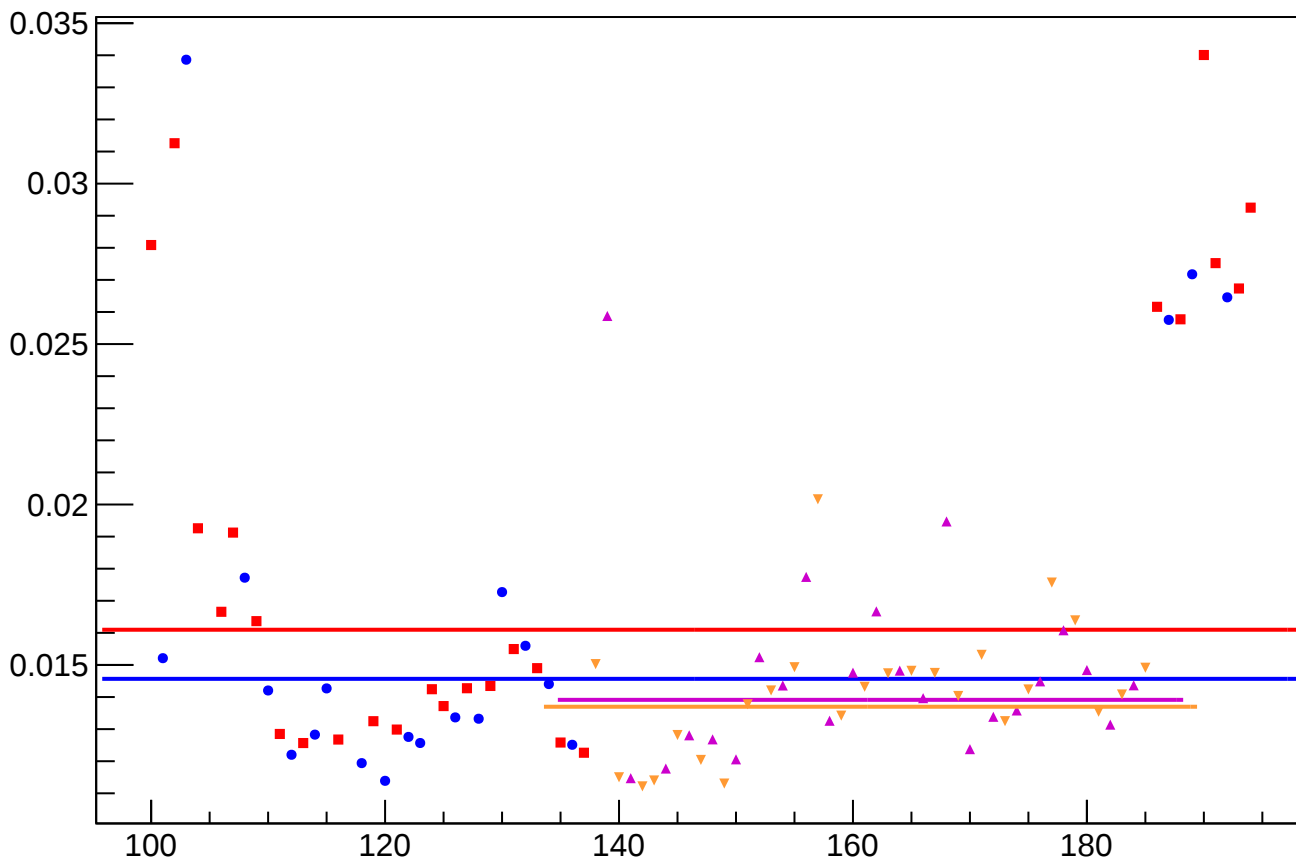
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF:170806298.1/22

+ sign 0.793 $\pm$ 0.000 χ^2 /NDF: 1550379428.6/44

All: 0.791 $\pm$ 0.000 χ^2 /NDF: 3278162919.0/92

- sign 0.790 $\pm$ 0.000 χ^2 /NDF: 1727262342.7/47

yield_bpm11X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1164991.0/19

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 530851.9/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 1847581.0/24

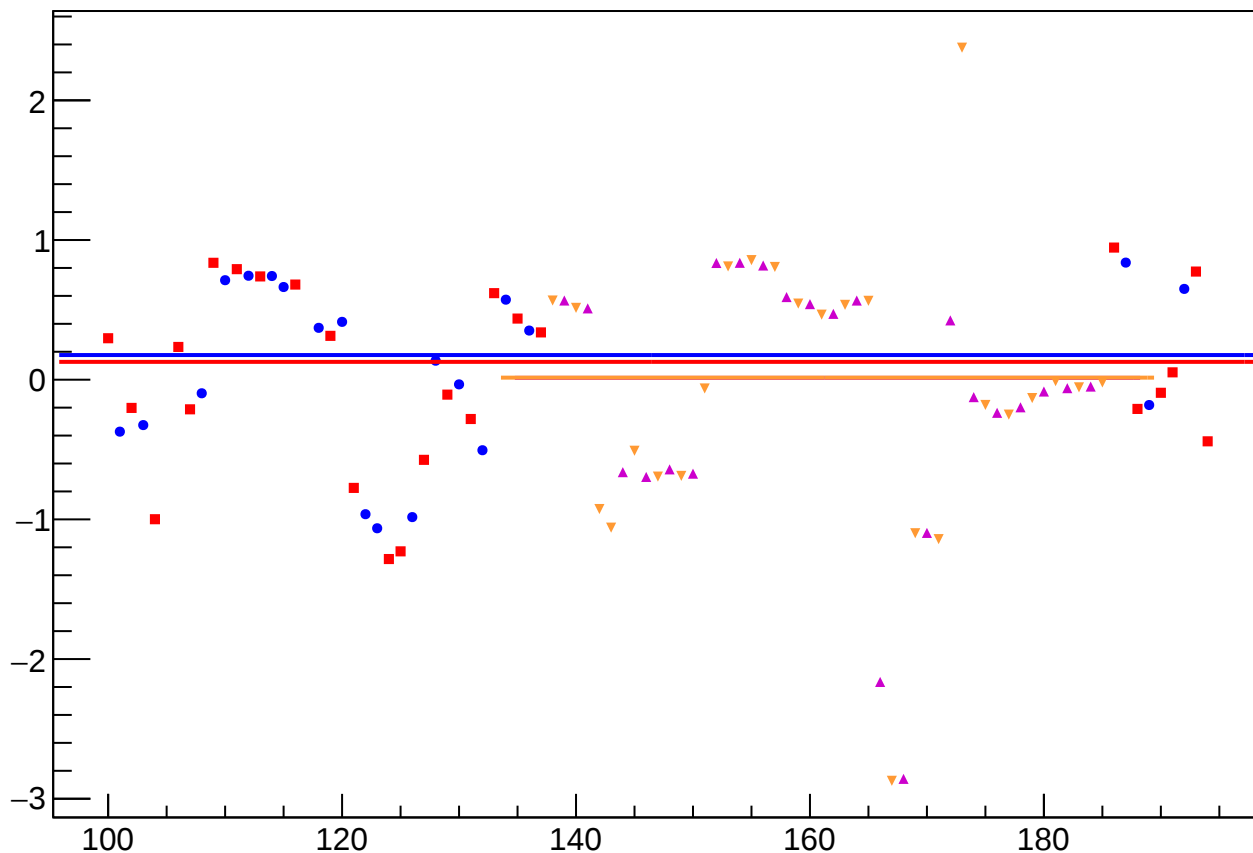
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 794558.0/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1731385.8/44

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 4644800.7/92

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 2868342.1/47

yield_bpm11Y_mean vs Slug



Right In: 0.176+/-0.000 χ^2/NDF : 9162071315.7/19

Left Out: 0.015+/-0.000 χ^2/NDF : 96087835995.8/24

Right Out: 0.128+/-0.000 χ^2/NDF : 18021843448.9/24

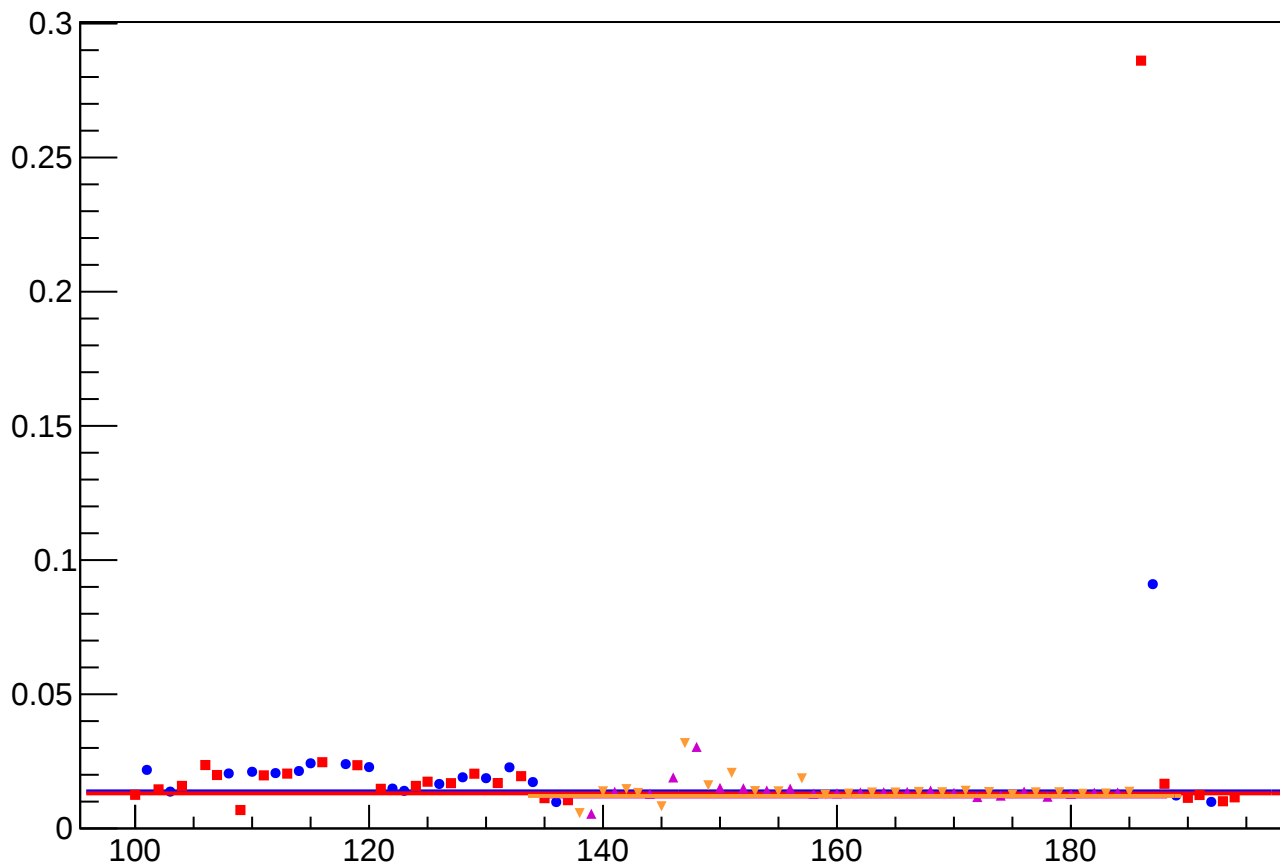
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.054+/-0.000 χ^2/NDF : 105940838857.3/44

All: 0.051+/-0.000 χ^2/NDF : 203844037185.4

- sign 0.049+/-0.000 χ^2/NDF : 97901158919.2/47

yield_bpm11Y_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1748900.9/19

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2457924.3/24

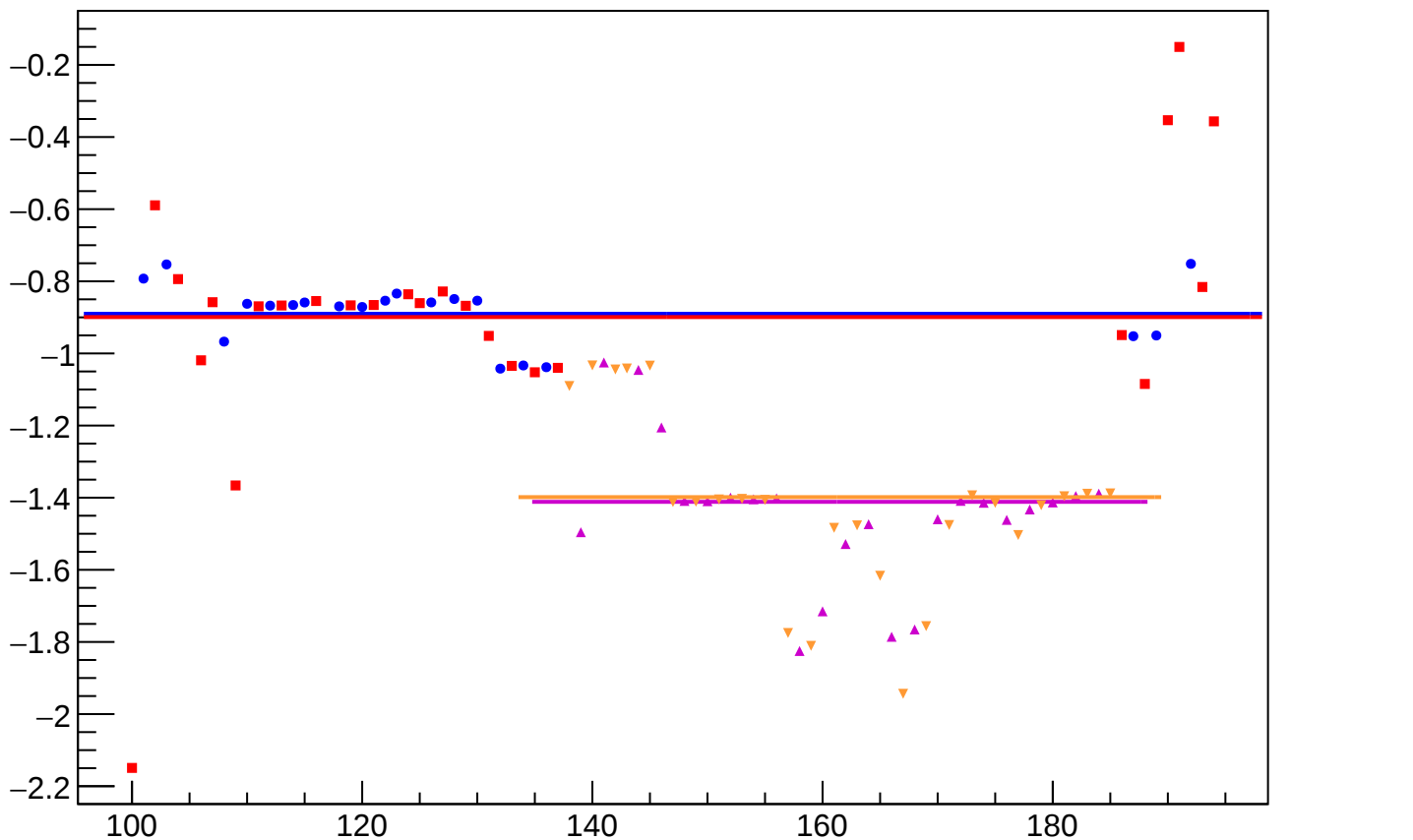
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5007908.0/44

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10667898.7/92

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5651432.2/47

yield_bpm12X_mean vs Slug



Right In: -0.890 ± 0.000 χ^2/NDF : 43809356.8/19

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.899 ± 0.000 χ^2/NDF : 242331126.6/24

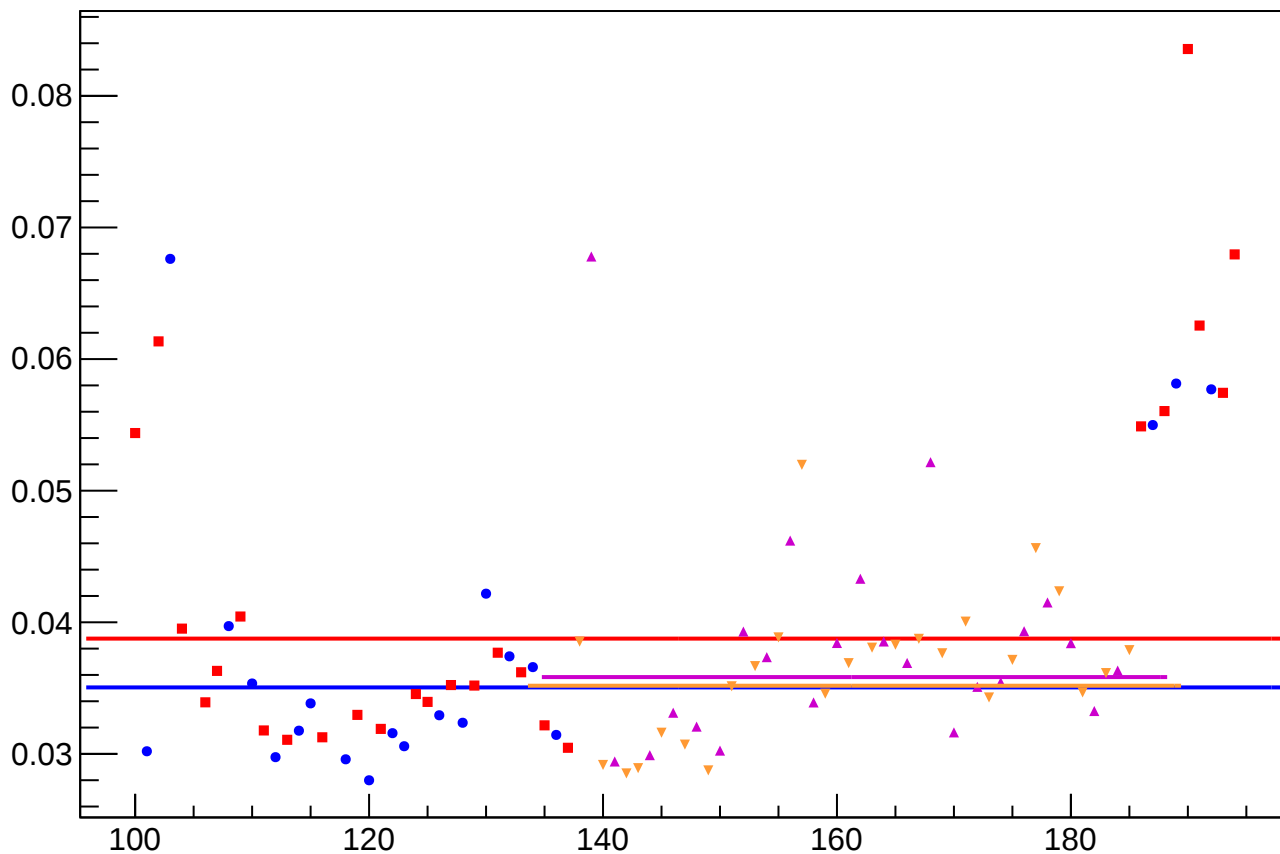
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.244 ± 0.000 χ^2/NDF : 1800513017.5/44

All: -1.243 ± 0.000 χ^2/NDF : 3595657228.7/9

- sign -1.242 ± 0.000 χ^2/NDF : 1795119773.6/47

yield_bpm12X_rms vs Slug



Right In: 0.035 $\pm$ 0.000 χ^2 /NDF: 873043.1/19

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:597886.0/24

Right Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 1364985.5/24

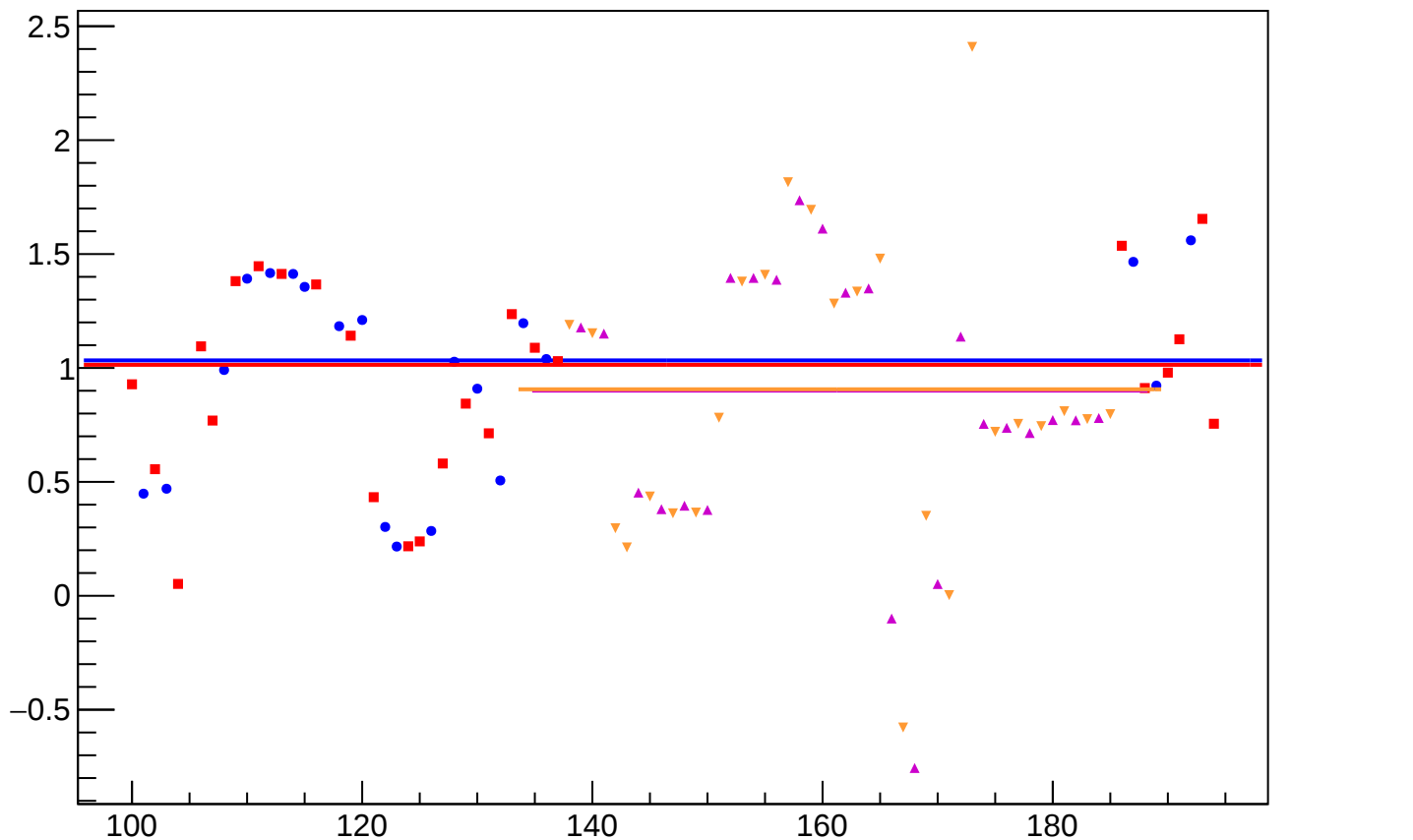
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:890993.5/22

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1471060.0/44

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 3845357.3/92

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 2323725.0/47

yield_bpm12Y_mean vs Slug



Right In: 1.033+/-0.000 χ^2/NDF : 12391586471.6/19

Left Out: 0.906+/-0.000 χ^2/NDF : 84108410196.2/24

Right Out: 1.014+/-0.000 χ^2/NDF : 16558865998.2/24

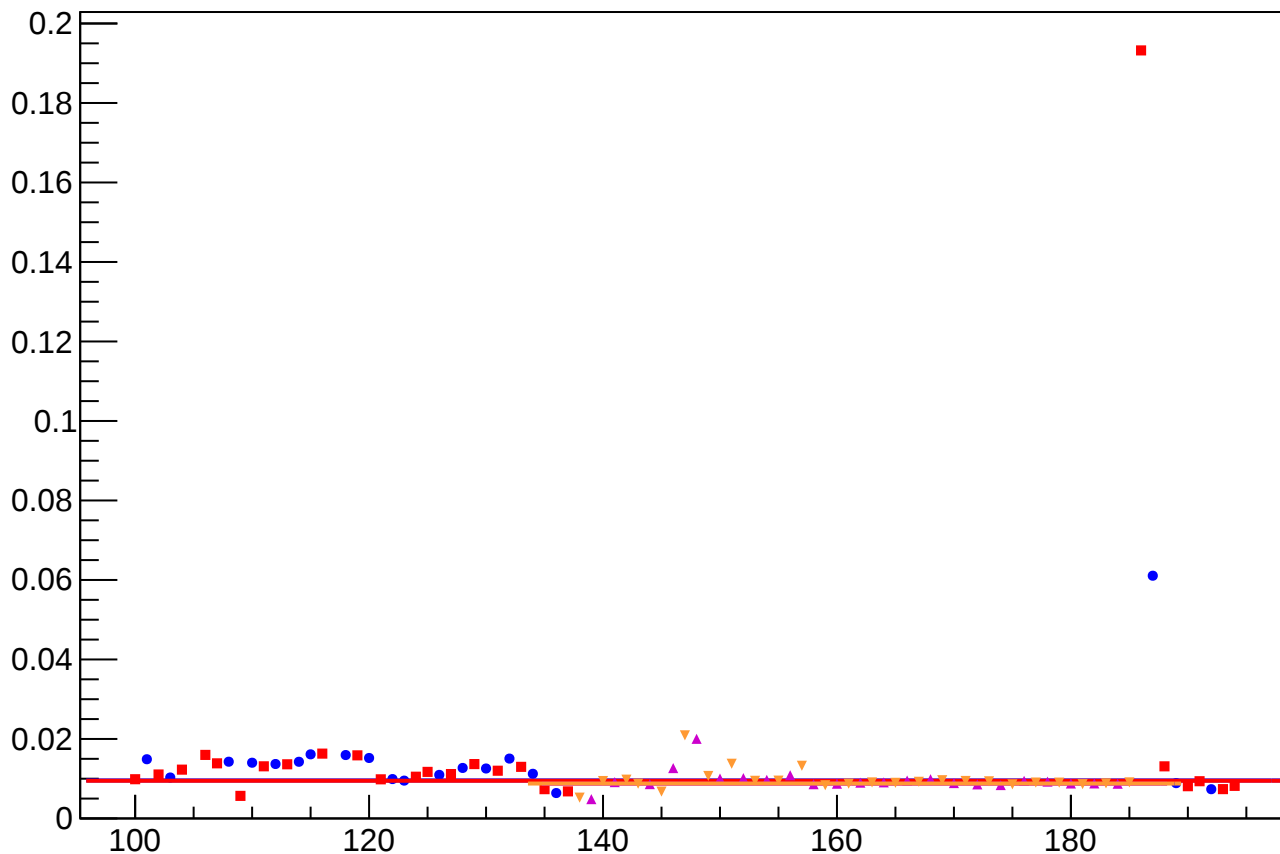
Left In: 0.901+/-0.000 χ^2/NDF : 66932223067.8/22

+ sign 0.938+/-0.000 χ^2/NDF : 97381379676.3/44

All: 0.937+/-0.000 χ^2/NDF : 181701805580.6

- sign 0.936+/-0.000 χ^2/NDF : 84319623417.8/47

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1623370.1/19

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2123918.4/24

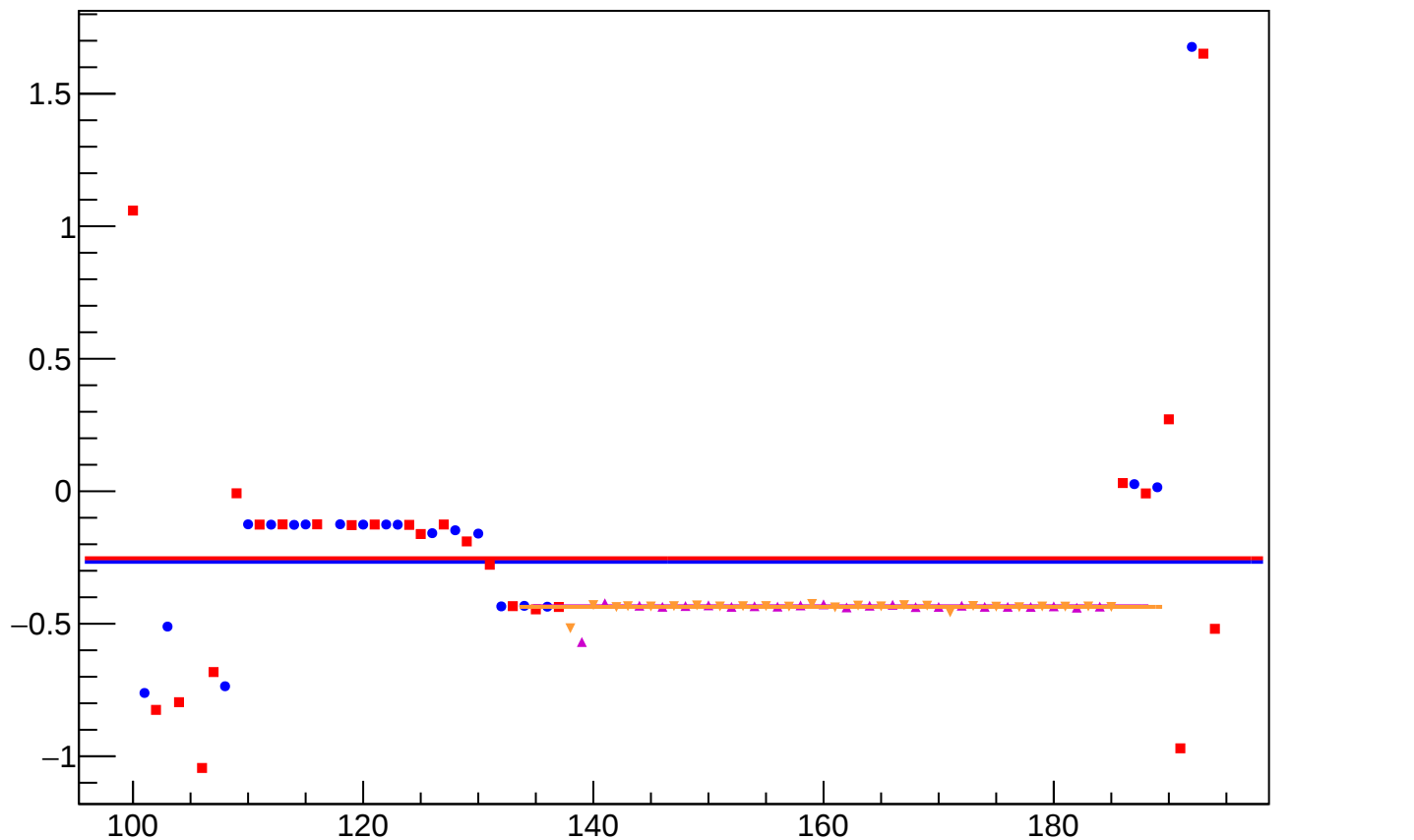
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3389417.1/44

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7255715.8/92

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3866255.1/47

yield_bpm16X_mean vs Slug



Right In: -0.266 ± 0.000 χ^2/NDF : 1851391905.2/19

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.253 ± 0.000 χ^2/NDF : 1761532120.5/24

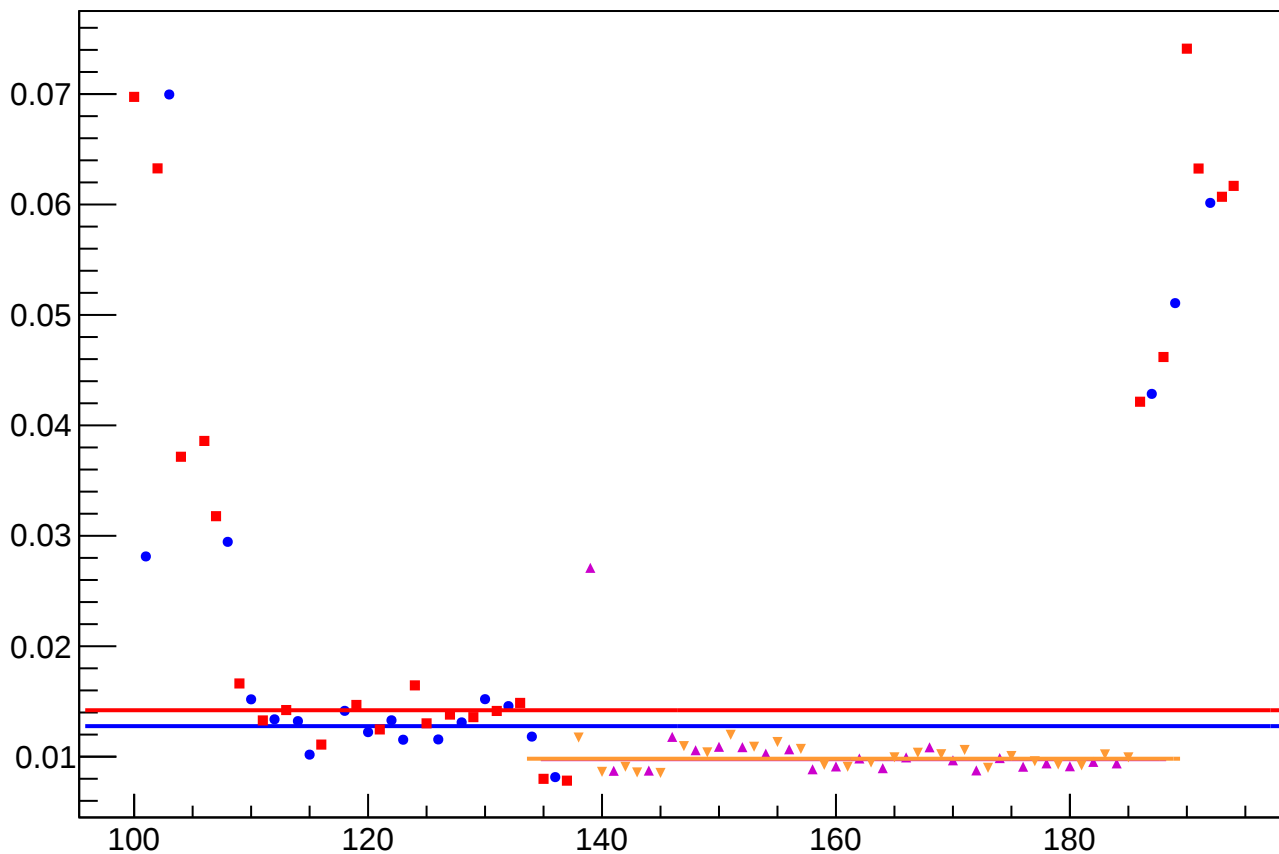
Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

+ sign -0.408 ± 0.000 χ^2/NDF : 2652232365.5/44

All: -0.406 ± 0.000 χ^2/NDF : 5279614418.5/9

- sign -0.404 ± 0.000 χ^2/NDF : 2625361667.3/47

yield_bpm16X_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 3426613.7/19

Left Out: 0.010 ± 0.000 χ^2/NDF : 271172.3/24

Right Out: 0.014 ± 0.000 χ^2/NDF : 5754017.7/24

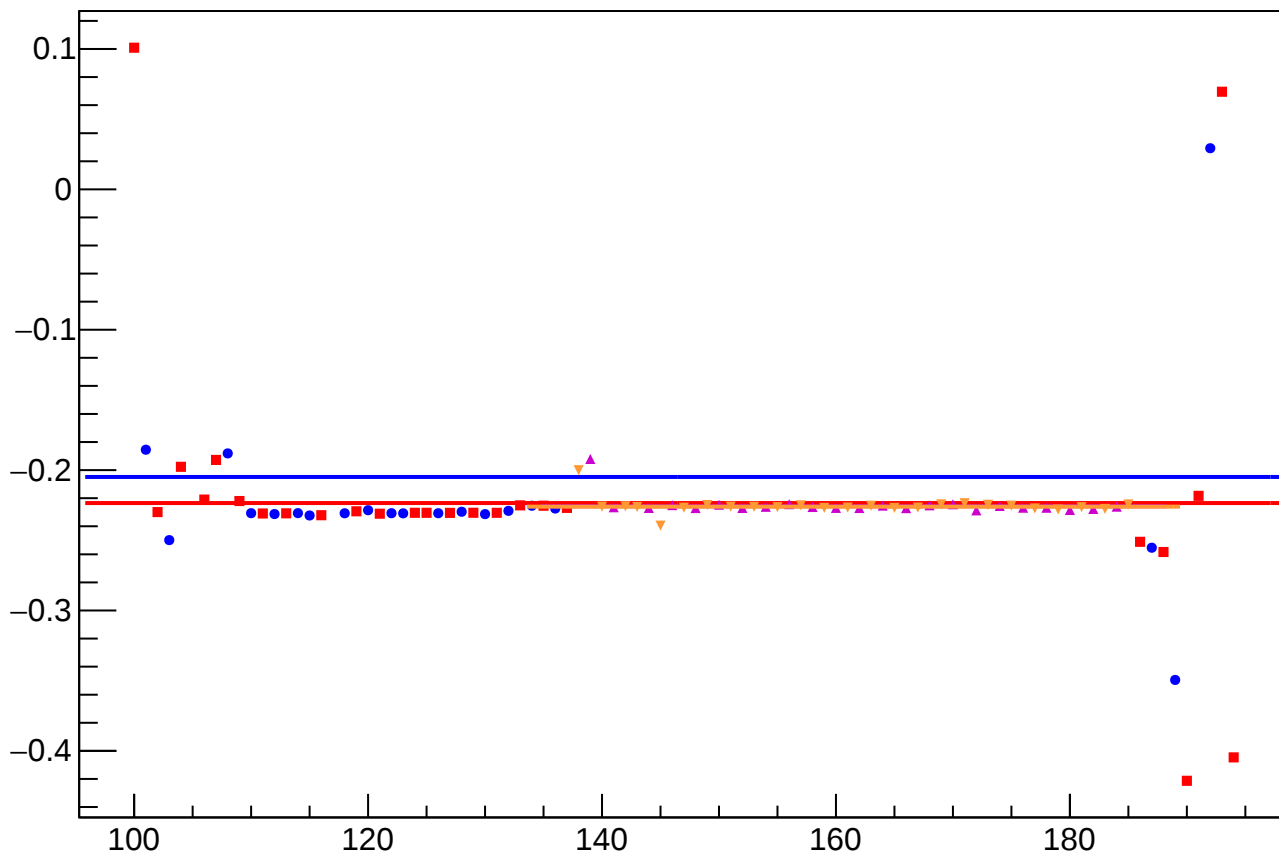
Left In: 0.010 ± 0.000 χ^2/NDF : 786577.8/22

+ sign 0.010 ± 0.000 χ^2/NDF : 4163092.7/44

All: 0.010 ± 0.000 χ^2/NDF : 11722462.8/92

- sign 0.011 ± 0.000 χ^2/NDF : 7550599.4/47

yield_bpm16Y_mean vs Slug



Right In: -0.205 ± 0.000 χ^2/NDF : 1873642421.4/19

Left Out: -0.226 ± 0.000 χ^2/NDF : 21207366.3/24

+ sign -0.219 ± 0.000 χ^2/NDF : 1990227665.9/44

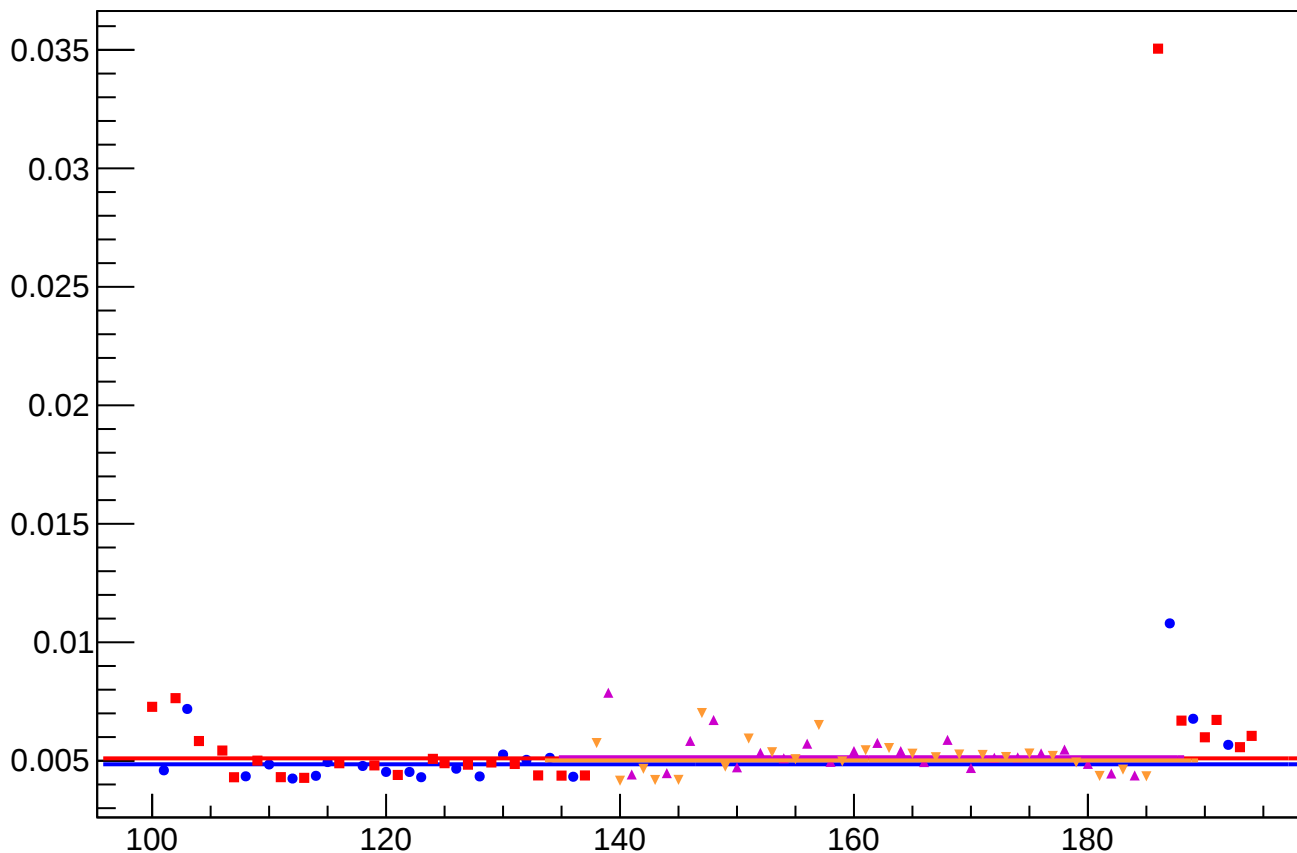
Right Out: -0.223 ± 0.000 χ^2/NDF : 3222525906.1/24

All: -0.222 ± 0.000 χ^2/NDF : 5242330834.3/9

- sign -0.225 ± 0.000 χ^2/NDF : 3237411100.1/47

Left In: -0.226 ± 0.000 χ^2/NDF : 13717302.5/22

yield_bpm16Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 382547.5/19

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:532623.0/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1010093.6/24

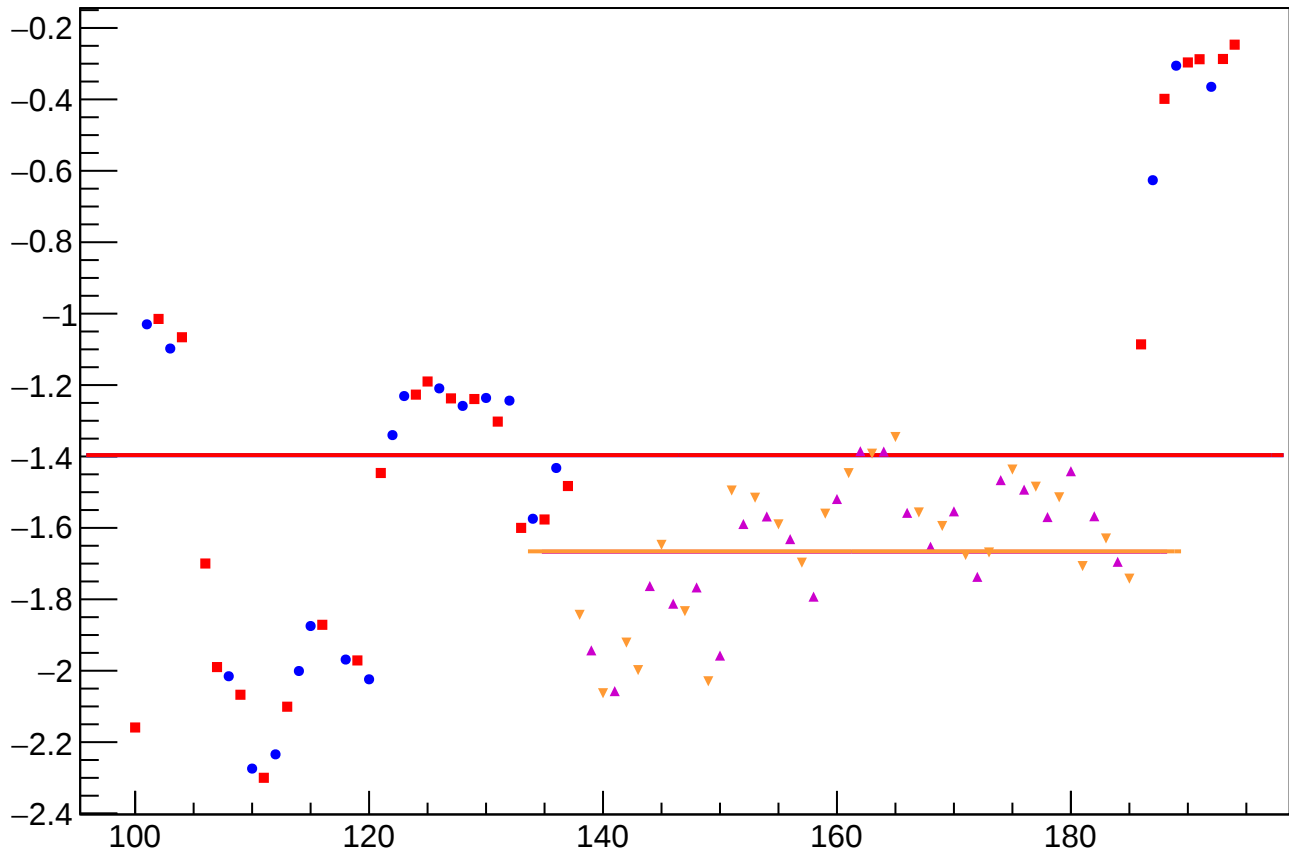
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:504040.6/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 926709.5/44

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2469423.0/92

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1515168.1/47

yield_bpm0l01X_mean vs Slug



Right In: -1.397+/-0.000 χ^2/NDF : 38021508096.0/19

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.396+/-0.000 χ^2/NDF : 72189507955.6/24

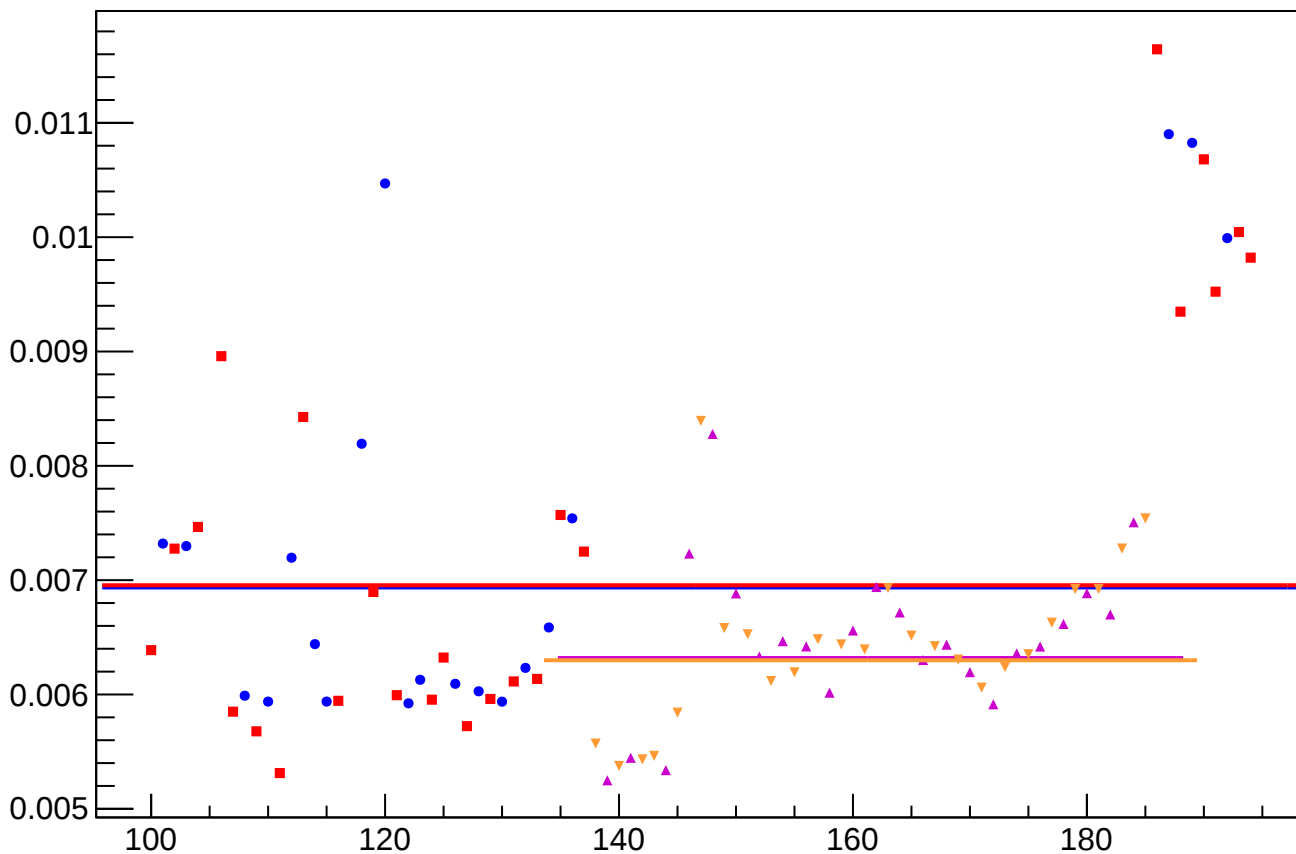
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.597+/-0.000 χ^2/NDF : 64562477083.5/44

All: -1.588+/-0.000 χ^2/NDF : 161237876959.0

- sign -1.580+/-0.000 χ^2/NDF : 96585352408.5/47

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 533528.1/19

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 966153.4/24

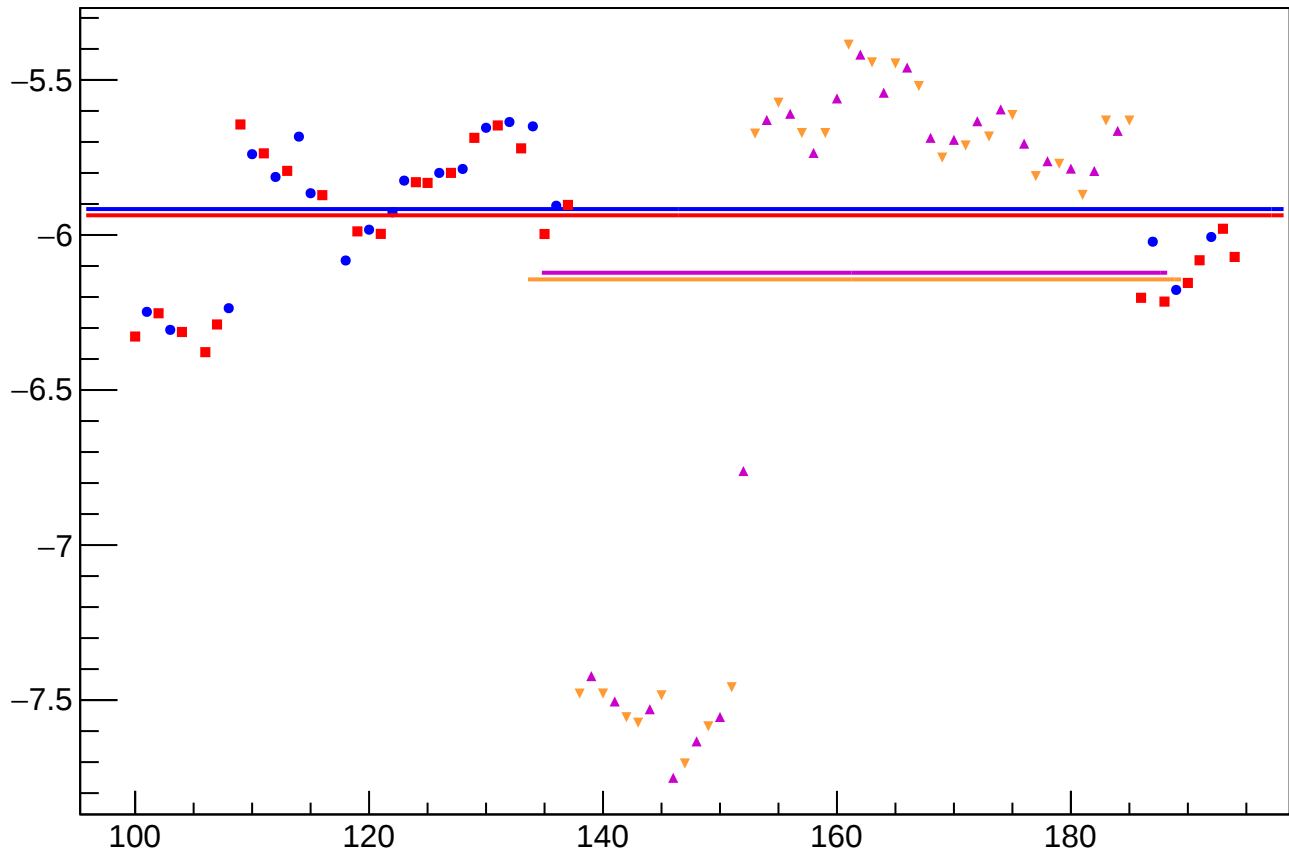
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 937872.1/44

All: 0.006+/-0.000 χ^2/NDF : 2348840.6/92

- sign 0.007+/-0.000 χ^2/NDF : 1408661.5/47

yield_bpm0l01Y_mean vs Slug



Right In: -5.916+/-0.000 χ^2/NDF : 11351079809.8/19

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.937+/-0.000 χ^2/NDF : 13716919339.8/24

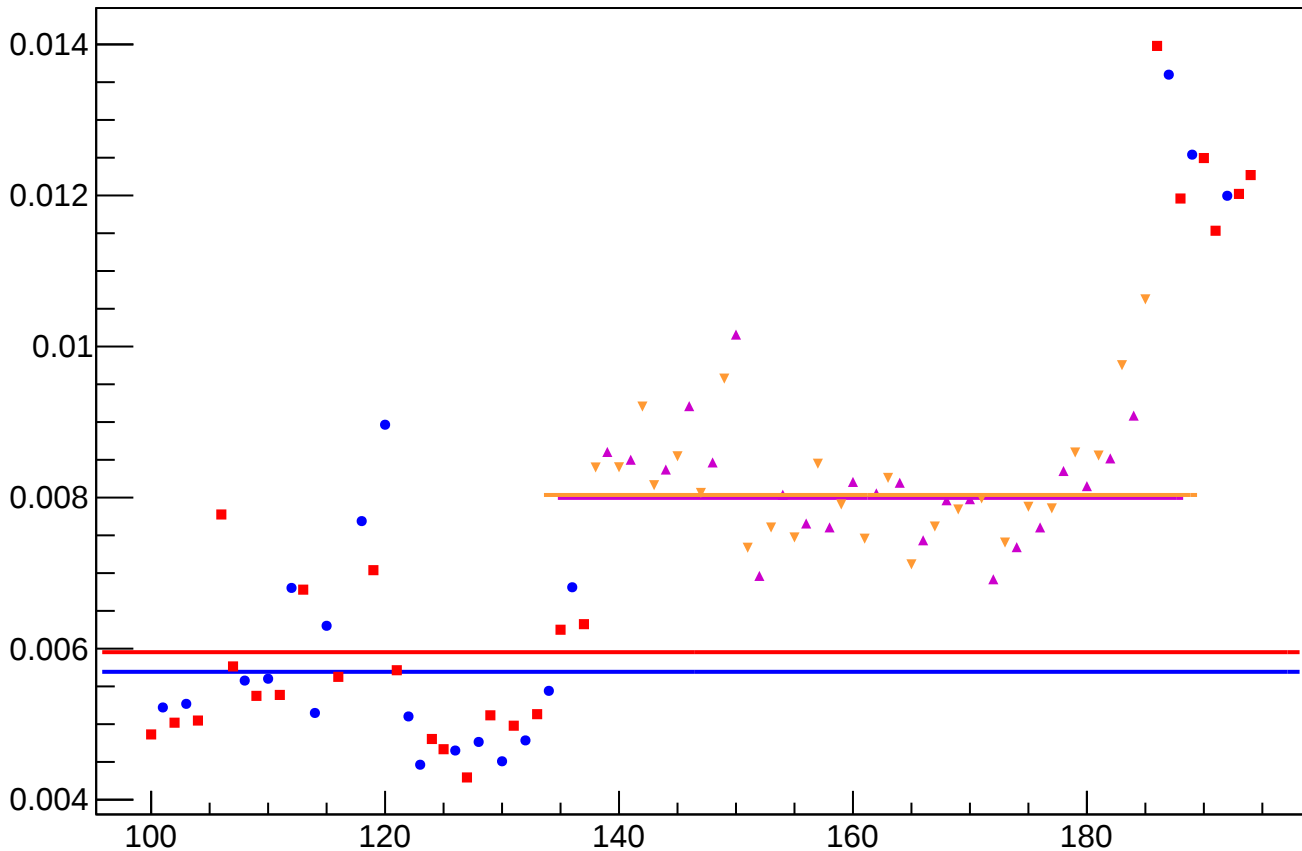
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.041+/-0.000 χ^2/NDF : 203037686401.9/44

All: -6.035+/-0.000 χ^2/NDF : 380928250529.3

- sign -6.030+/-0.000 χ^2/NDF : 177859877738.7/47

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1200645.2/19

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 2153326.6/24

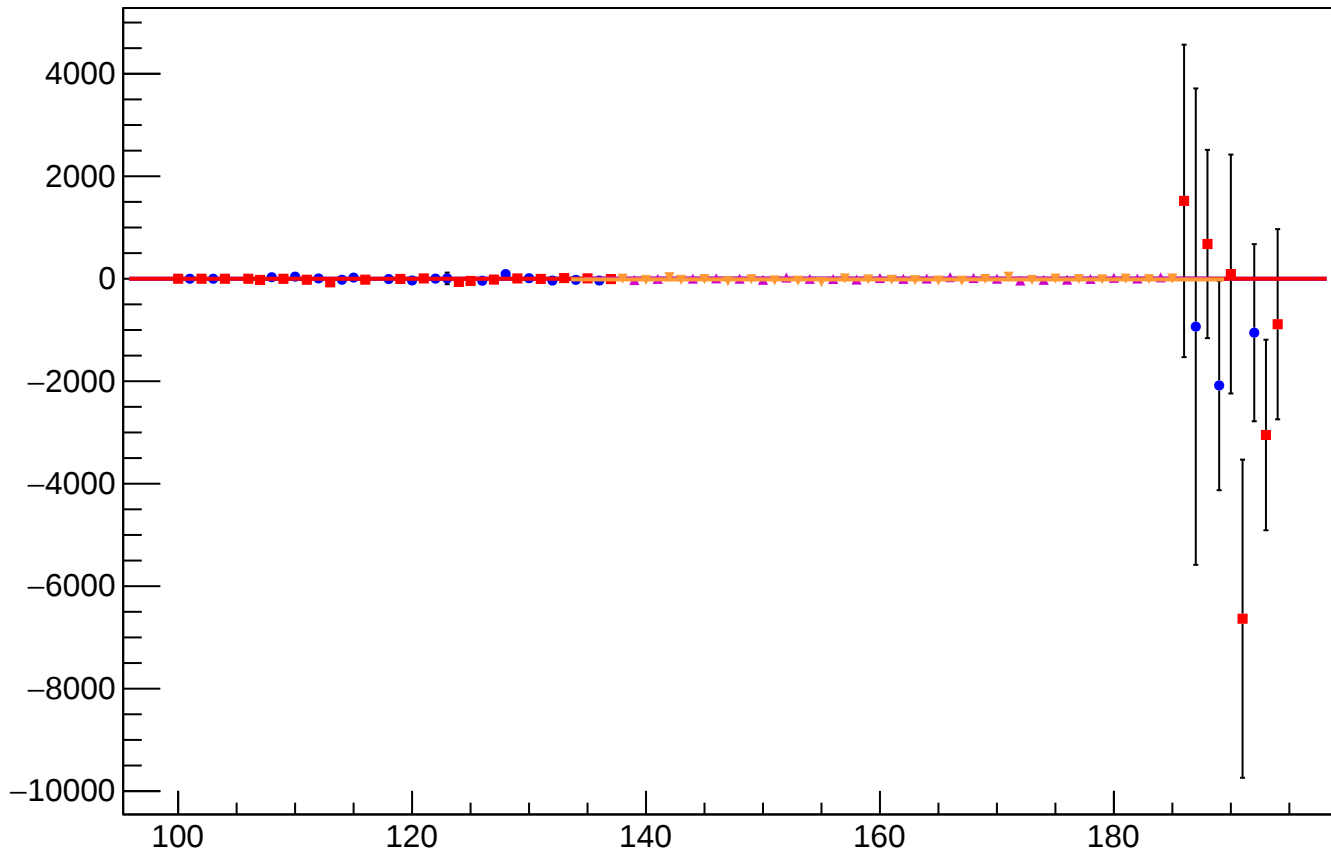
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 2677623.1/44

All: 0.007+/-0.000 χ^2/NDF : 6081184.7/92

- sign 0.007+/-0.000 χ^2/NDF : 3403560.1/47

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 17.7/19

Left Out: -13.472 $\pm$ 2.796 χ^2 /NDF: 58.5/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 22.8/24

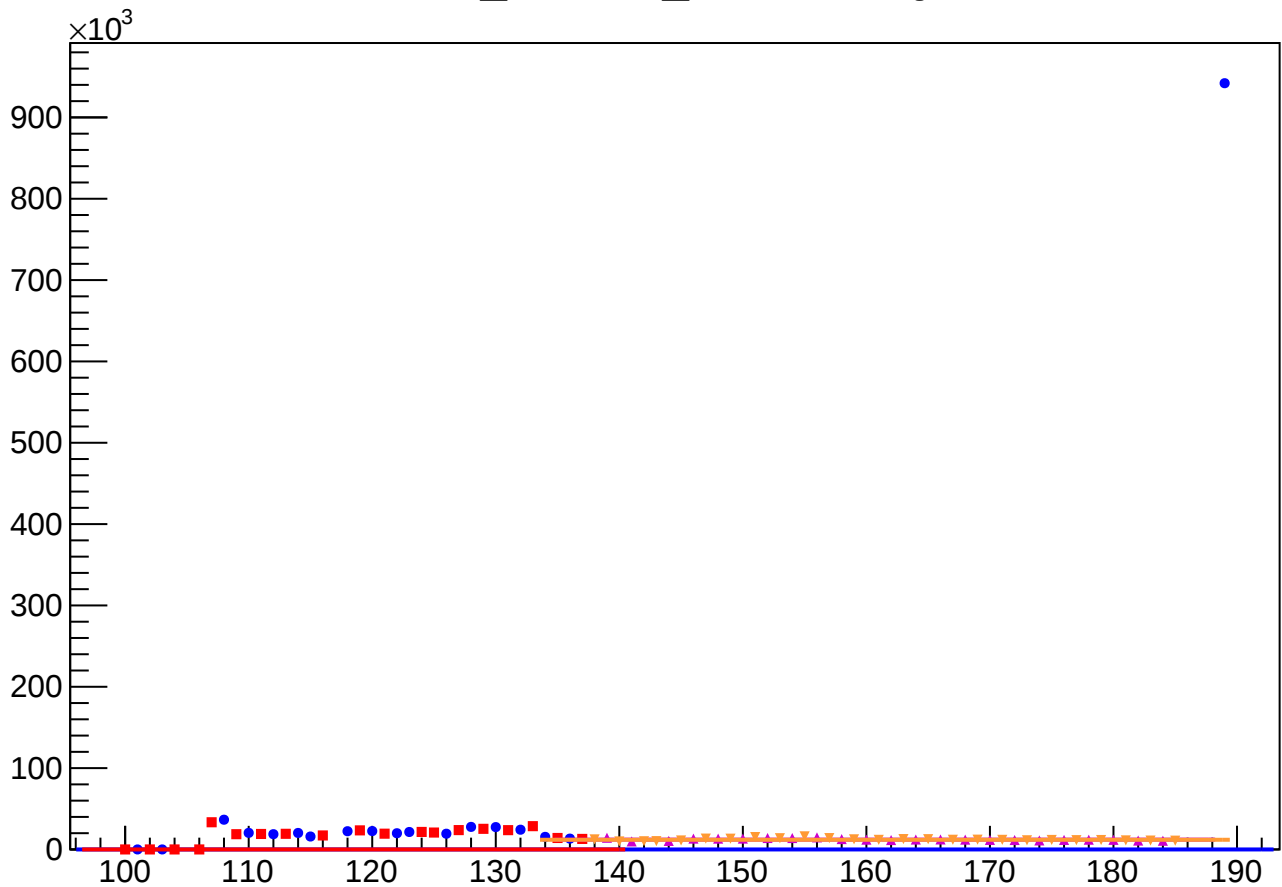
Left In: -0.489 $\pm$ 2.905 χ^2 /NDF: 28.7/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 99.5/44

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 151.2/92

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 51.5/47

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

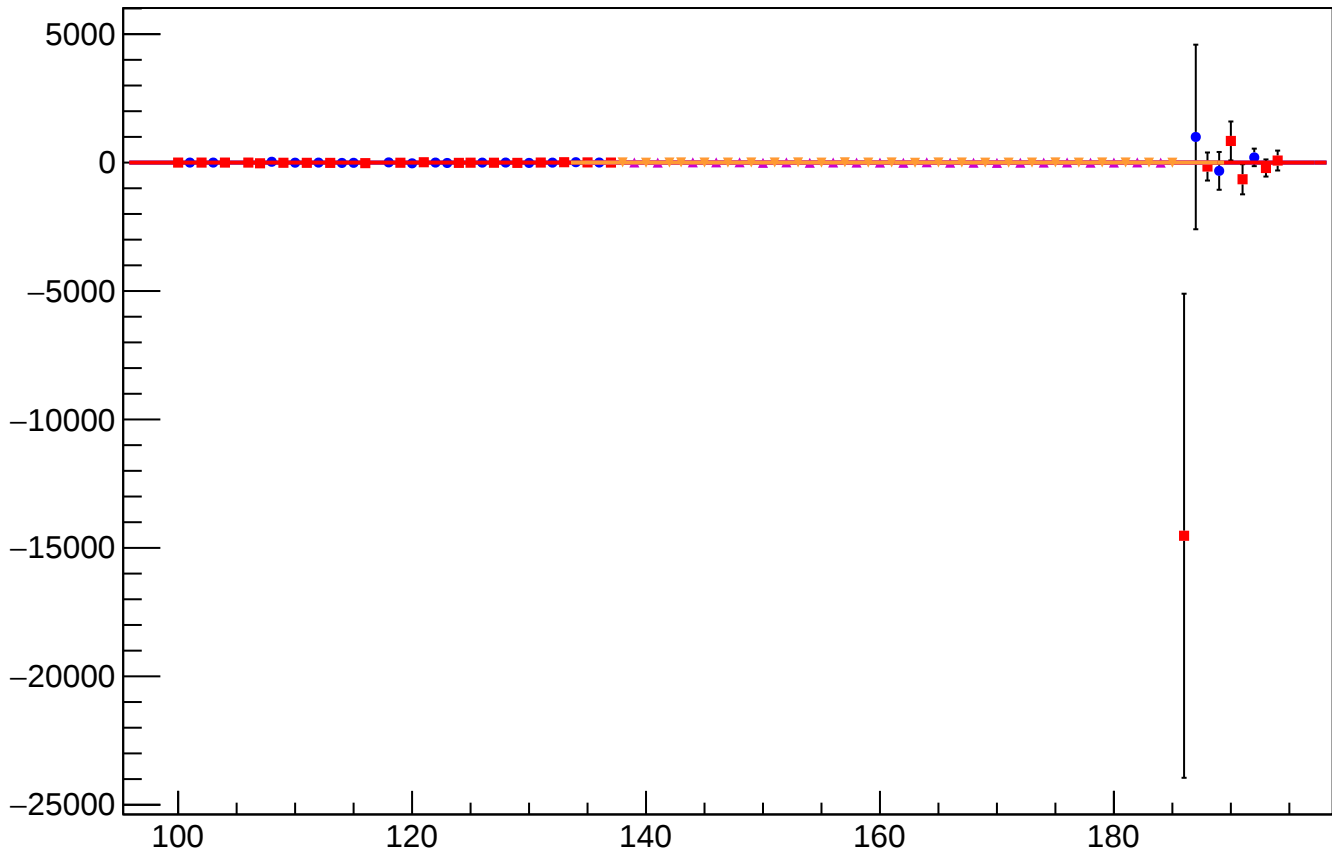
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ 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: 15.3/19

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.0/24

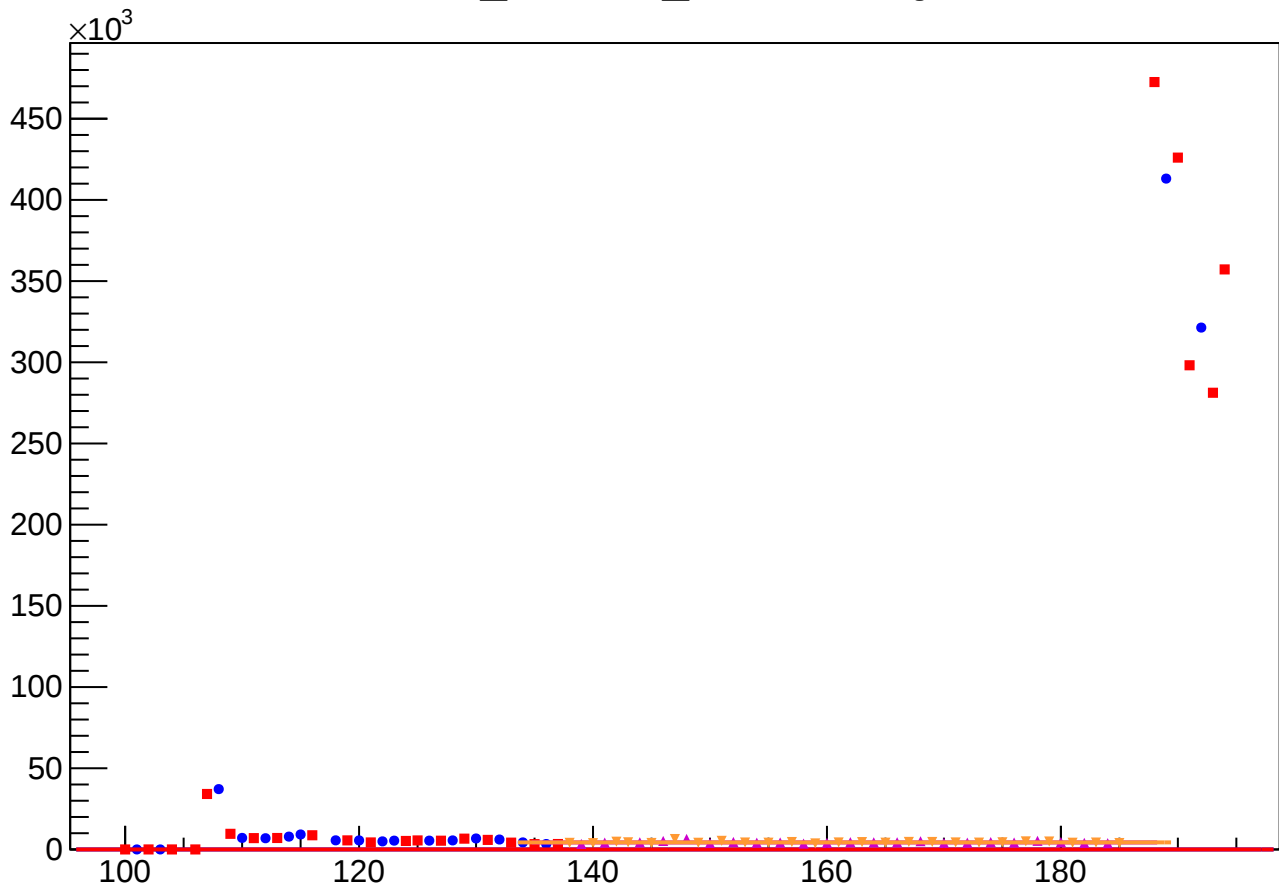
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.9/44

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 97.2/92

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.3/47

diff_cav4bY_rms vs Slug



Right In: 9.938 ± 0.007 χ^2/NDF : 13310903.3/18

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.854 ± 0.006 χ^2/NDF : 16853181.7/23

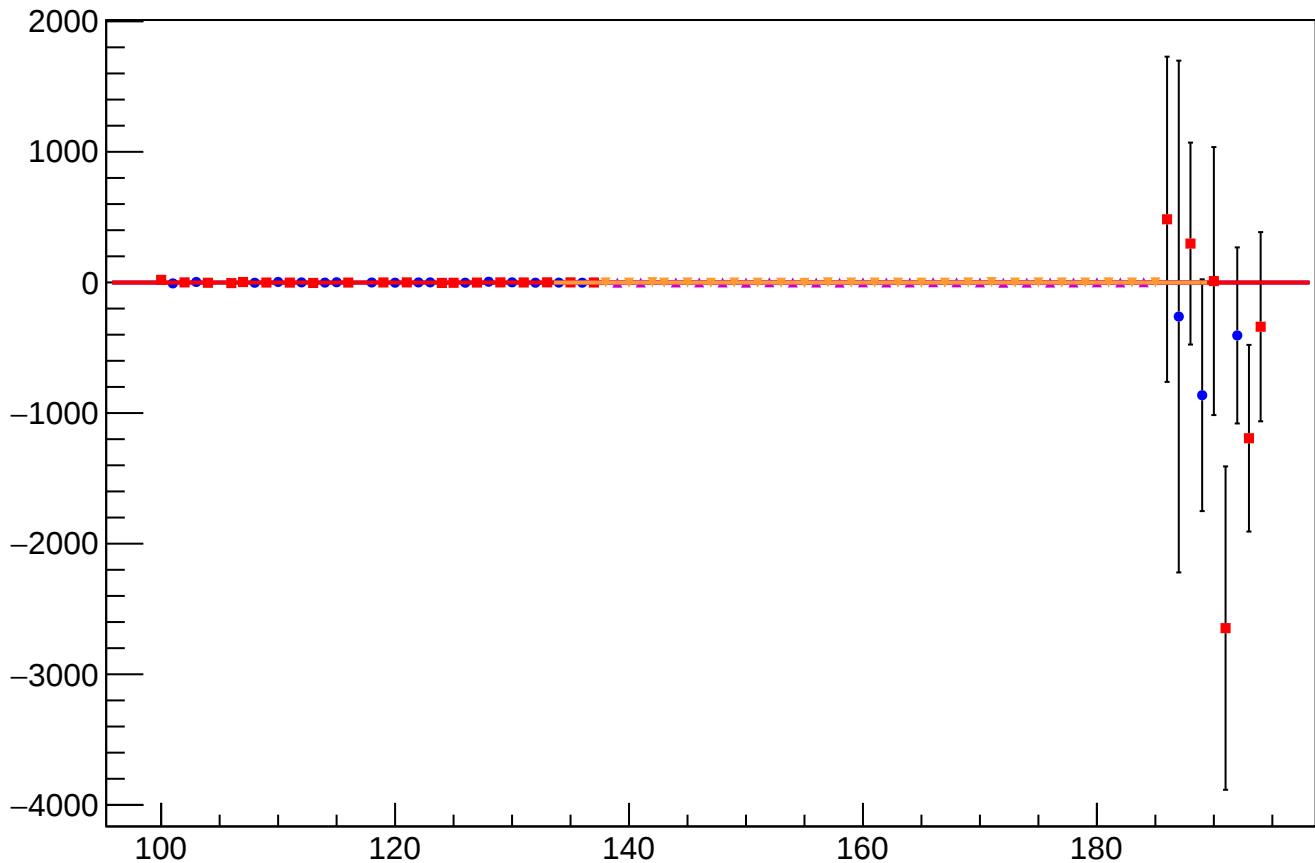
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.290 ± 0.007 χ^2/NDF : 49838895.6/43

All: 10.216 ± 0.004 χ^2/NDF : 101289979.1/90

- sign 10.151 ± 0.006 χ^2/NDF : 51450838.1/46

diff_cav4cX_mean vs Slug



Right In: -0.702 ± 0.485 χ^2/NDF : 23.8/19

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.761 ± 0.502 χ^2/NDF : 19.6/24

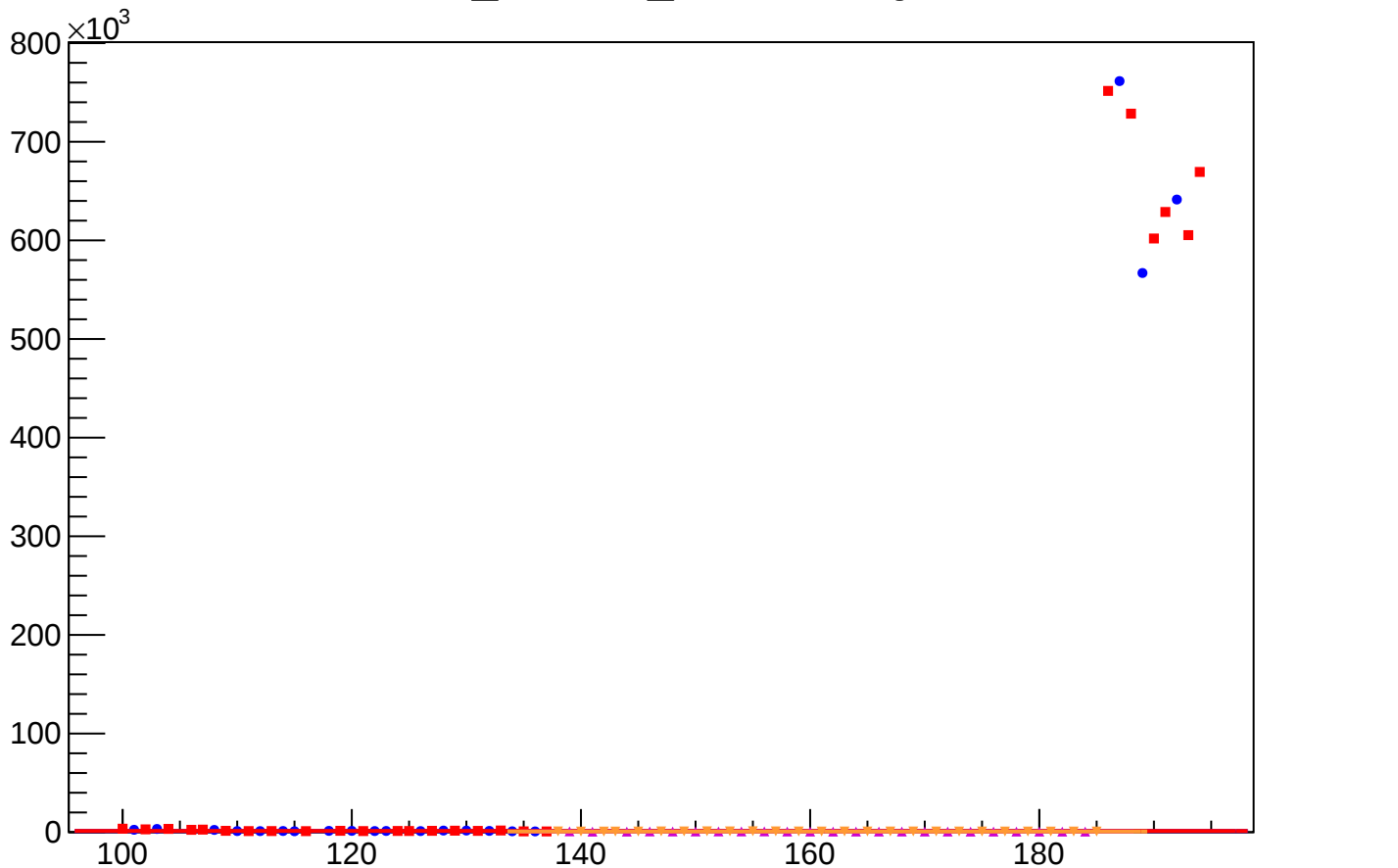
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 82.2/44

All: -0.444 ± 0.112 χ^2/NDF : 142.0/92

- sign -0.097 ± 0.161 χ^2/NDF : 50.8/47

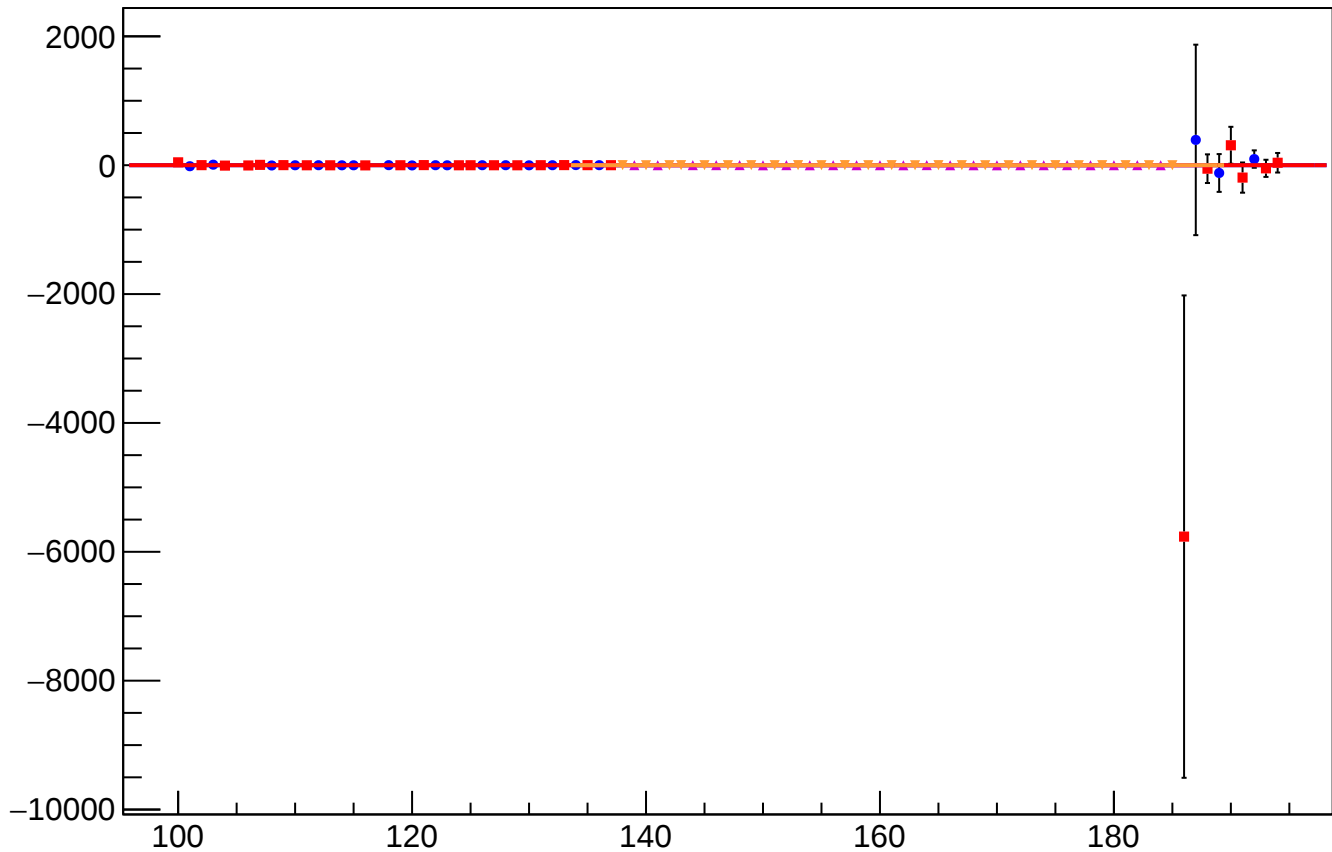
diff_cav4cX_rms vs Slug



Right In: 1164.759 $\pm$ 0.343 χ^2 /NDF: 4504656.7/19
Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF: 392521.4/24
Right Out: 1250.562 $\pm$ 0.355 χ^2 /NDF: 8442974.3/24
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF: 338177.1/22

+ sign 748.558 $\pm$ 0.110 χ^2 /NDF: 6538928.2/44
All: 755.495 $\pm$ 0.079 χ^2 /NDF: 17431325.6/92
- sign 762.931 $\pm$ 0.114 χ^2 /NDF: 10884163.2/47

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.271 χ^2/NDF : 21.7/19

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.244 ± 0.265 χ^2/NDF : 25.2/24

Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

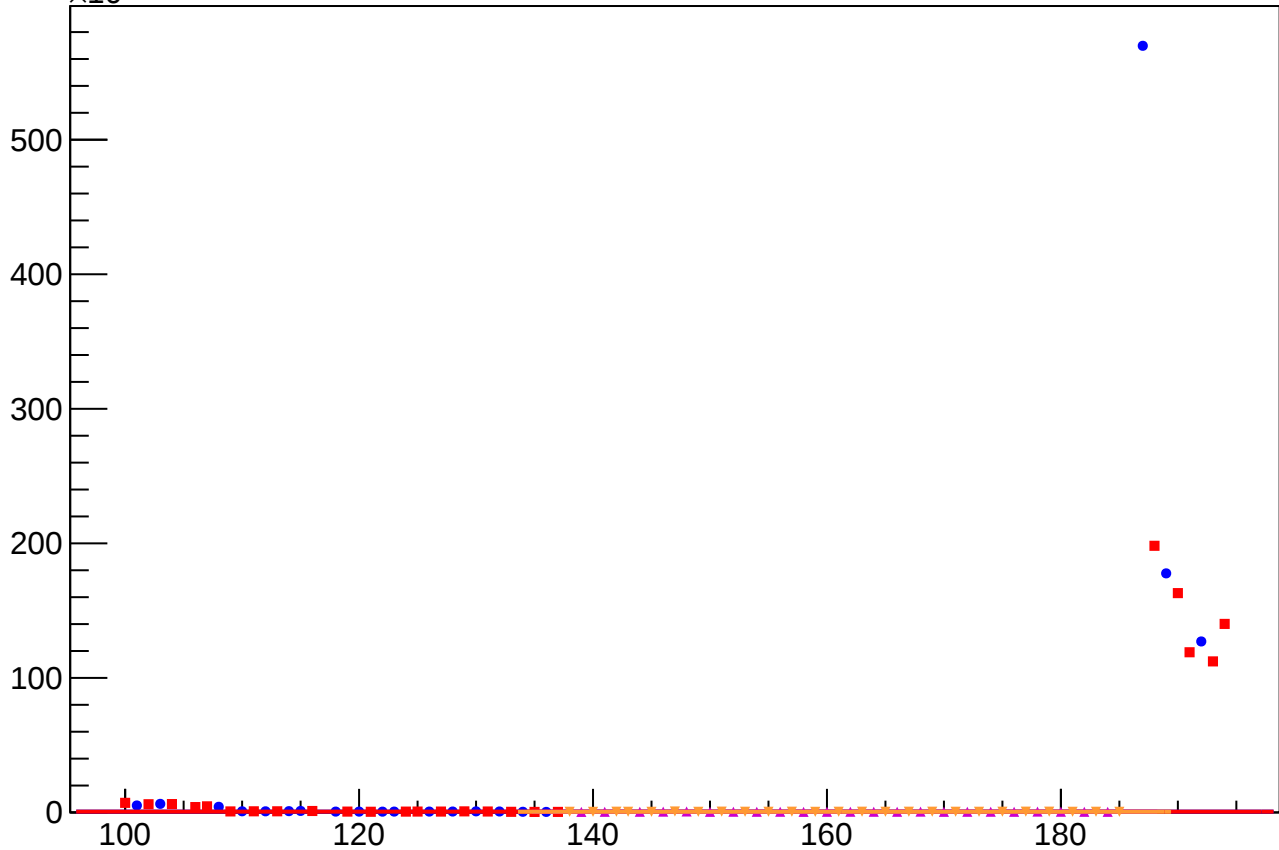
+ sign 0.186 ± 0.112 χ^2/NDF : 40.2/44

All: 0.163 ± 0.080 χ^2/NDF : 100.6/92

- sign 0.139 ± 0.113 χ^2/NDF : 60.3/47

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 609.267 $\pm$ 0.191 χ^2 /NDF: 5918230.2/19

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 601.153 $\pm$ 0.187 χ^2 /NDF: 9378256.8/23

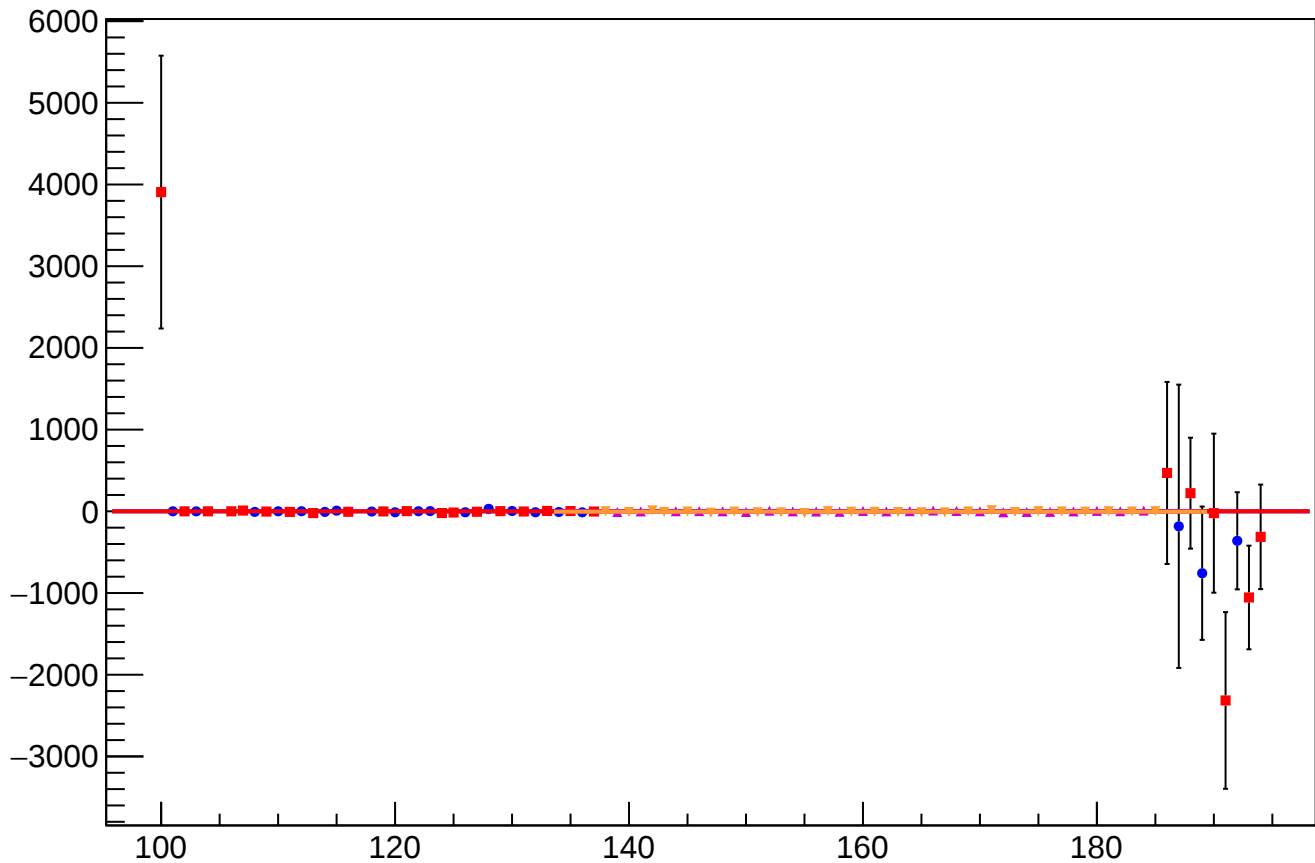
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.187 $\pm$ 0.079 χ^2 /NDF: 6420833.4/44

All: 536.016 $\pm$ 0.056 χ^2 /NDF: 16397978.1/93

- sign 534.805 $\pm$ 0.080 χ^2 /NDF: 9976696.4/46

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 16.9/19

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 24.7/24

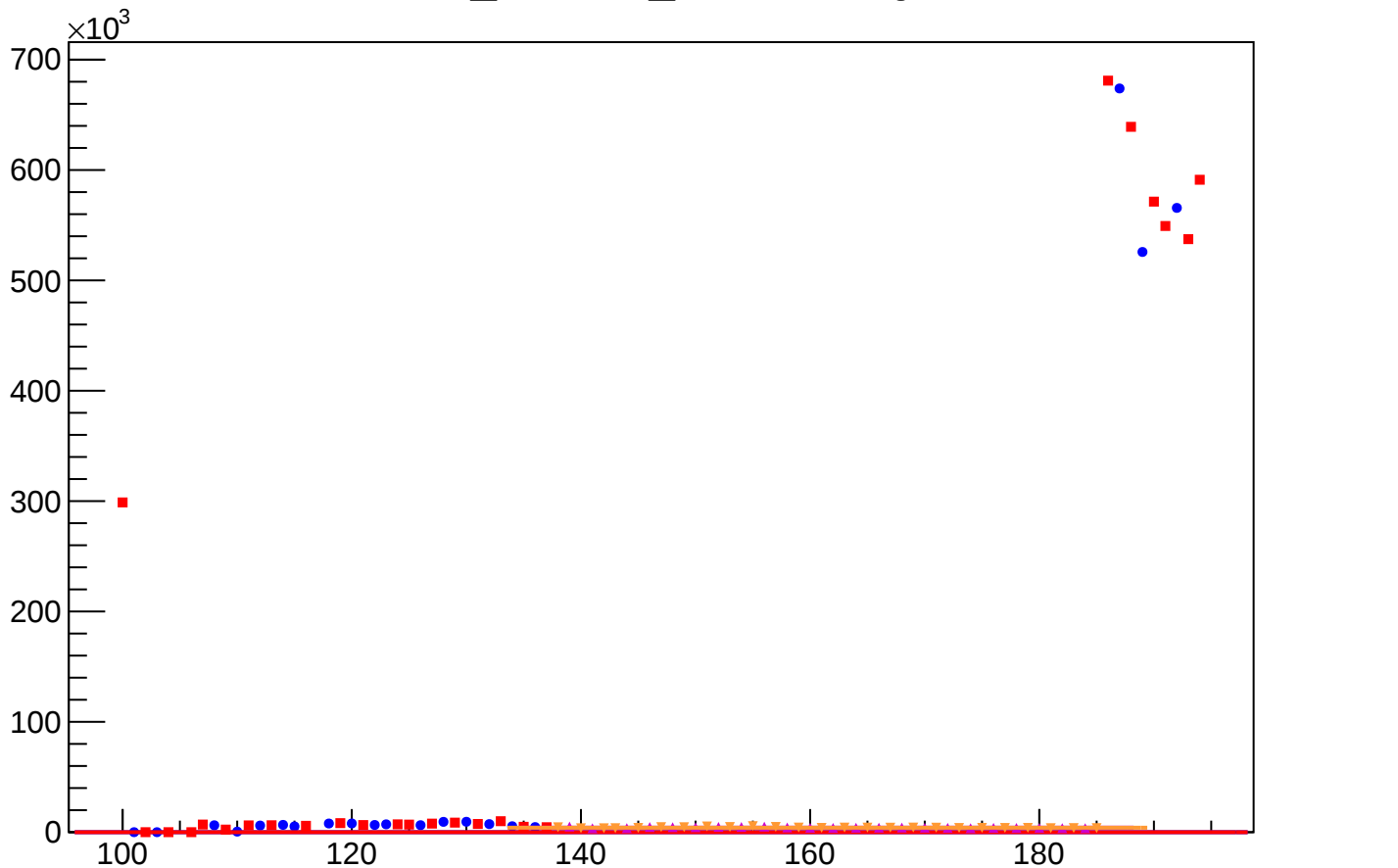
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 96.8/44

All: -0.025 ± 0.014 χ^2/NDF : 150.7/92

- sign -0.027 ± 0.020 χ^2/NDF : 54.0/47

diff_cav4dX_rms vs Slug



Right In: 17.336 ± 0.015 χ^2/NDF : 13258603.7/19

Left Out: 4074.257 ± 0.676 χ^2/NDF : 416916.0/24

Right Out: 17.269 ± 0.014 χ^2/NDF : 17627131.3/24

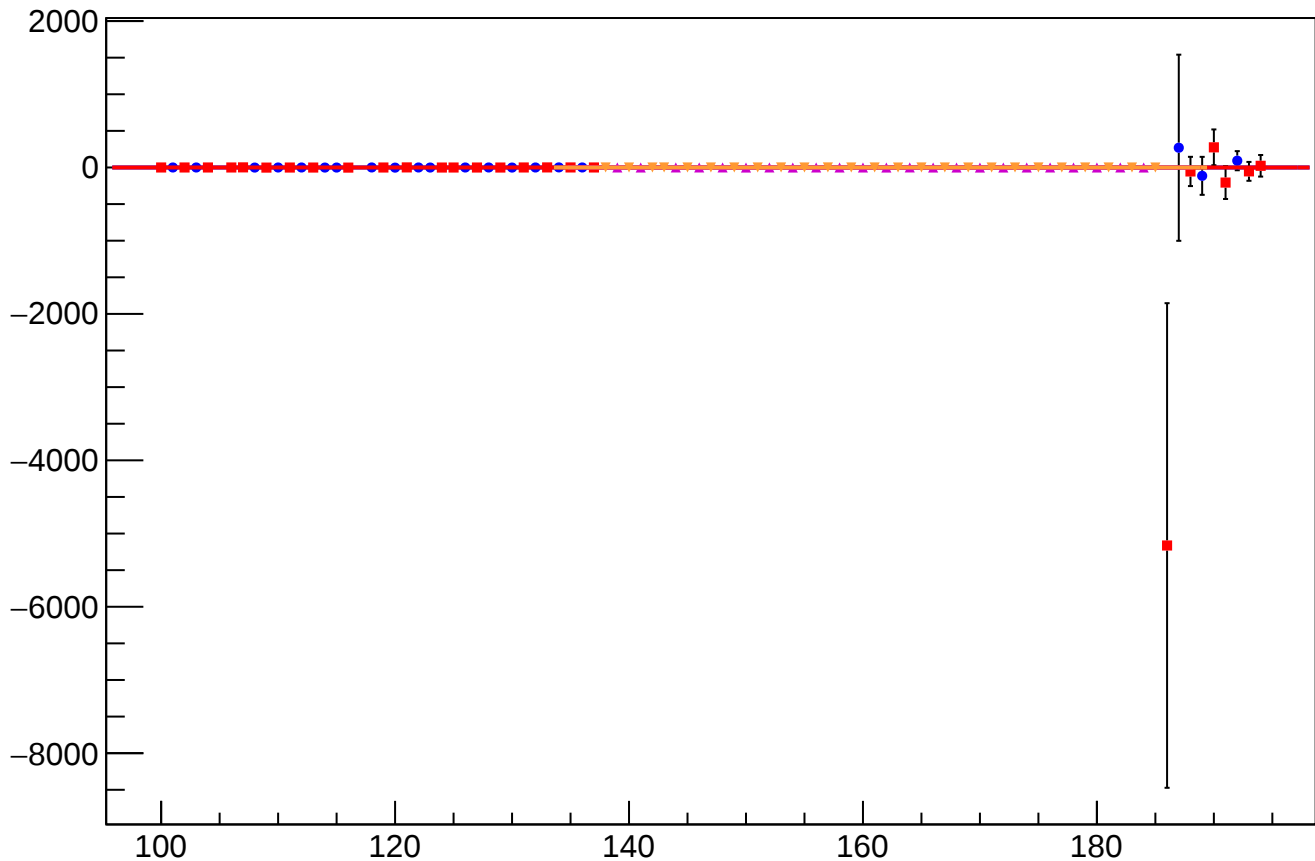
Left In: 4113.744 ± 0.700 χ^2/NDF : 354965.8/22

+ sign 19.257 ± 0.015 χ^2/NDF : 49708735.5/44

All: 19.071 ± 0.010 χ^2/NDF : 101907964.8/92

- sign 18.903 ± 0.014 χ^2/NDF : 52198924.6/47

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 16.1/19

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 22.9/24

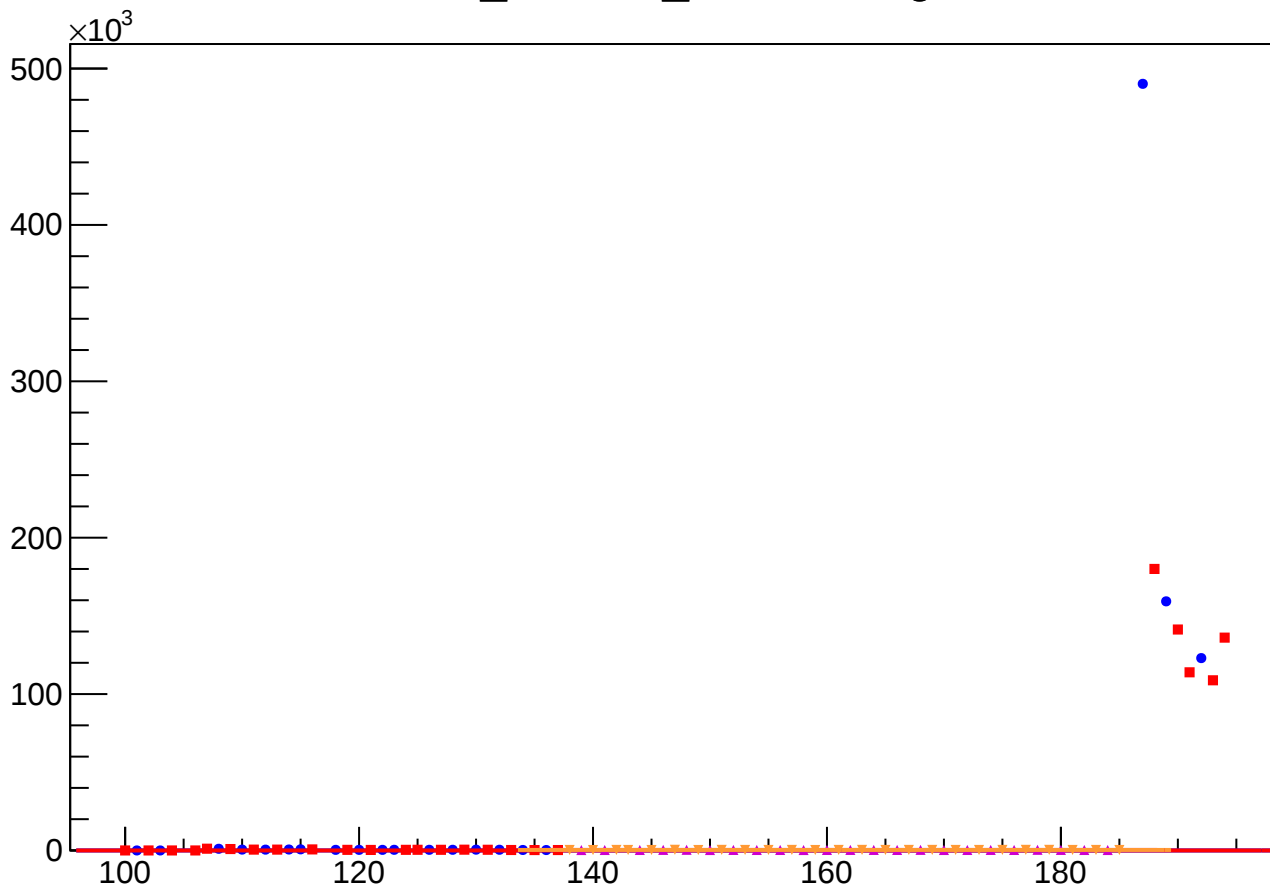
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 36.7/44

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 95.4/92

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 58.6/47

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 13691048.1/19

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 16628033.0/23

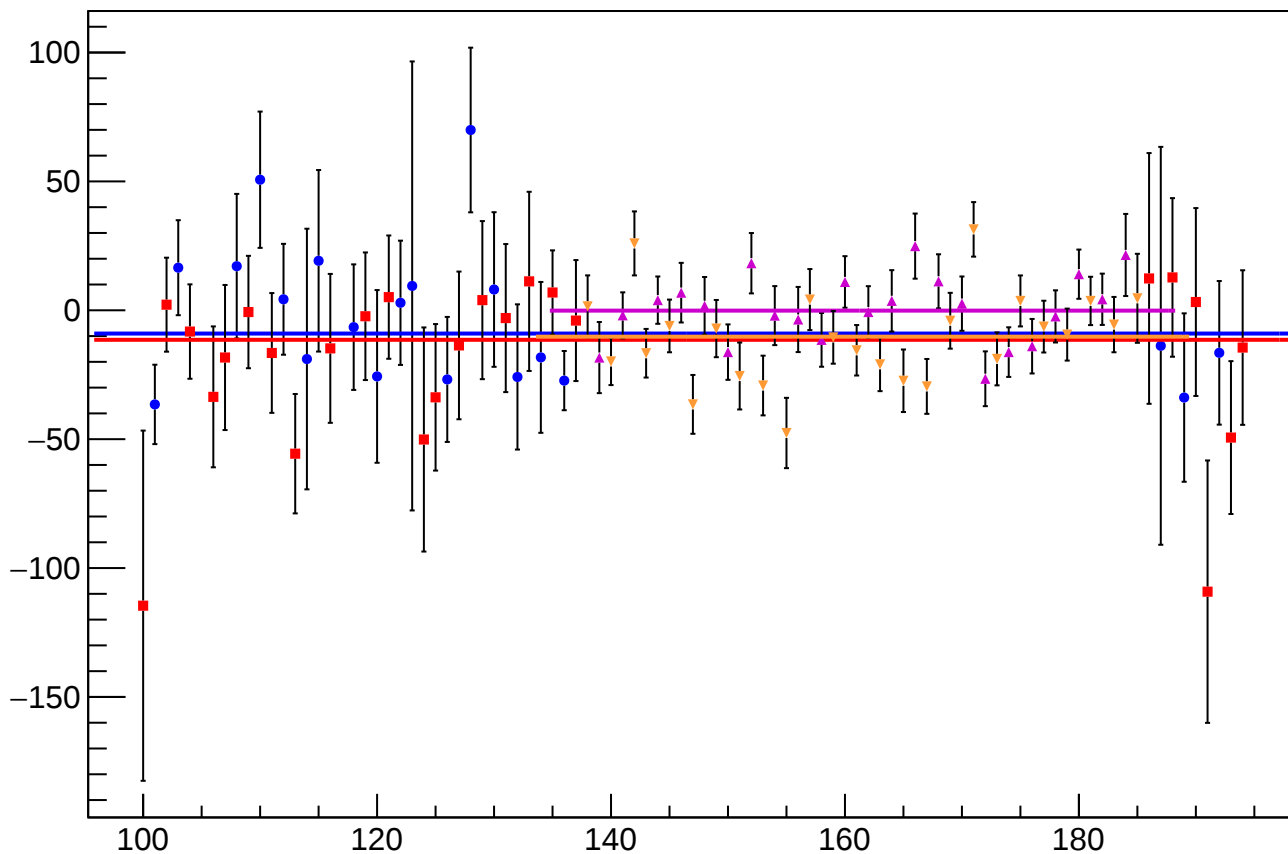
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 50003416.6/44

All: 1.926 $\pm$ 0.001 χ^2 /NDF: 101030512.3/91

- sign 1.926 $\pm$ 0.001 χ^2 /NDF: 51027095.7/46

diff_bpm4aX_mean vs Slug



Right In: -9.024 $\pm$ 5.436 χ^2/NDF : 23.3/19

Left Out: -10.235 $\pm$ 2.167 χ^2/NDF : 58.0/24

Right Out: -11.450 $\pm$ 5.290 χ^2/NDF : 18.1/24

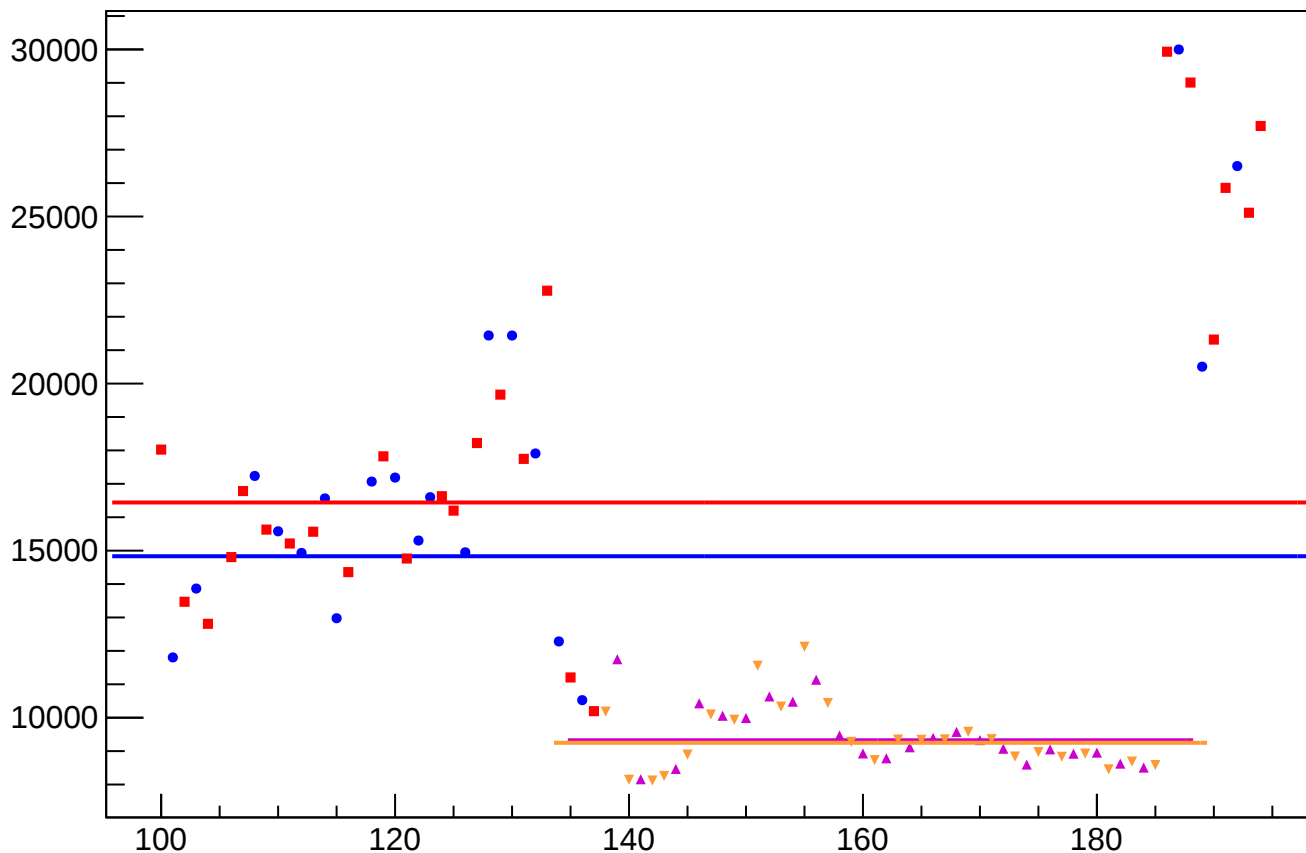
Left In: -0.130 $\pm$ 2.242 χ^2/NDF : 29.8/22

+ sign -10.069 $\pm$ 2.013 χ^2/NDF : 81.3/44

All: -6.065 $\pm$ 1.441 χ^2/NDF : 141.2/92

- sign -1.854 $\pm$ 2.064 χ^2/NDF : 51.8/47

diff_bpm4aX_rms vs Slug



Right In: 14832.499+/-3.844 χ^2/NDF : 1127190.3/19

Left Out: 9249.358+/-1.532 χ^2/NDF : 332003.4/24

Right Out: 16441.186+/-3.741 χ^2/NDF : 1671276.4/24

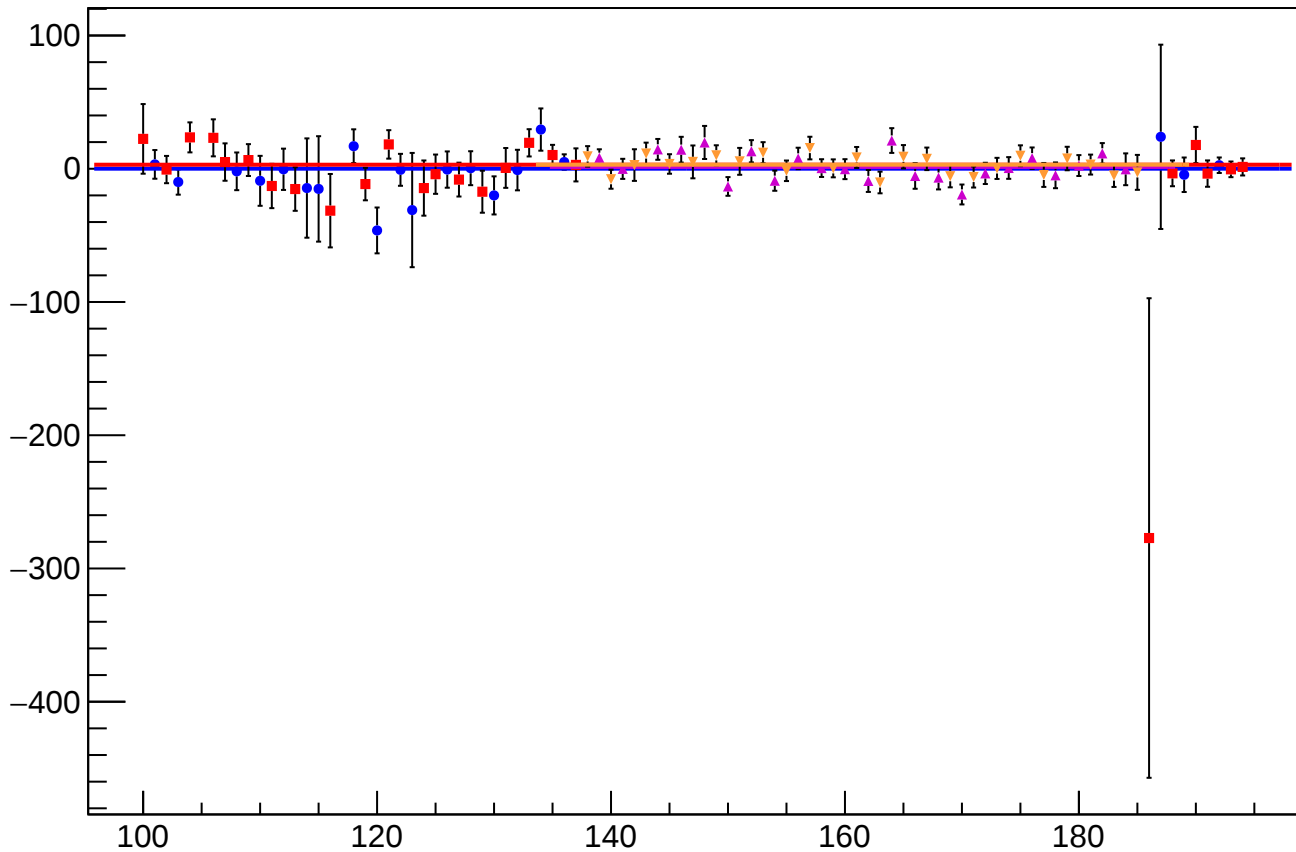
Left In: 9325.112+/-1.585 χ^2/NDF : 280927.7/22

+ sign 10014.795+/-1.423 χ^2/NDF : 3279913.4/44

All: 10206.755+/-1.019 χ^2/NDF : 8337005.6/9

- sign 10408.723+/-1.460 χ^2/NDF : 5019756.7/47

diff_bpm4aY_mean vs Slug



Right In: 0.059 ± 2.668 χ^2/NDF : 17.9/19

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 3.028 ± 2.266 χ^2/NDF : 25.2/24

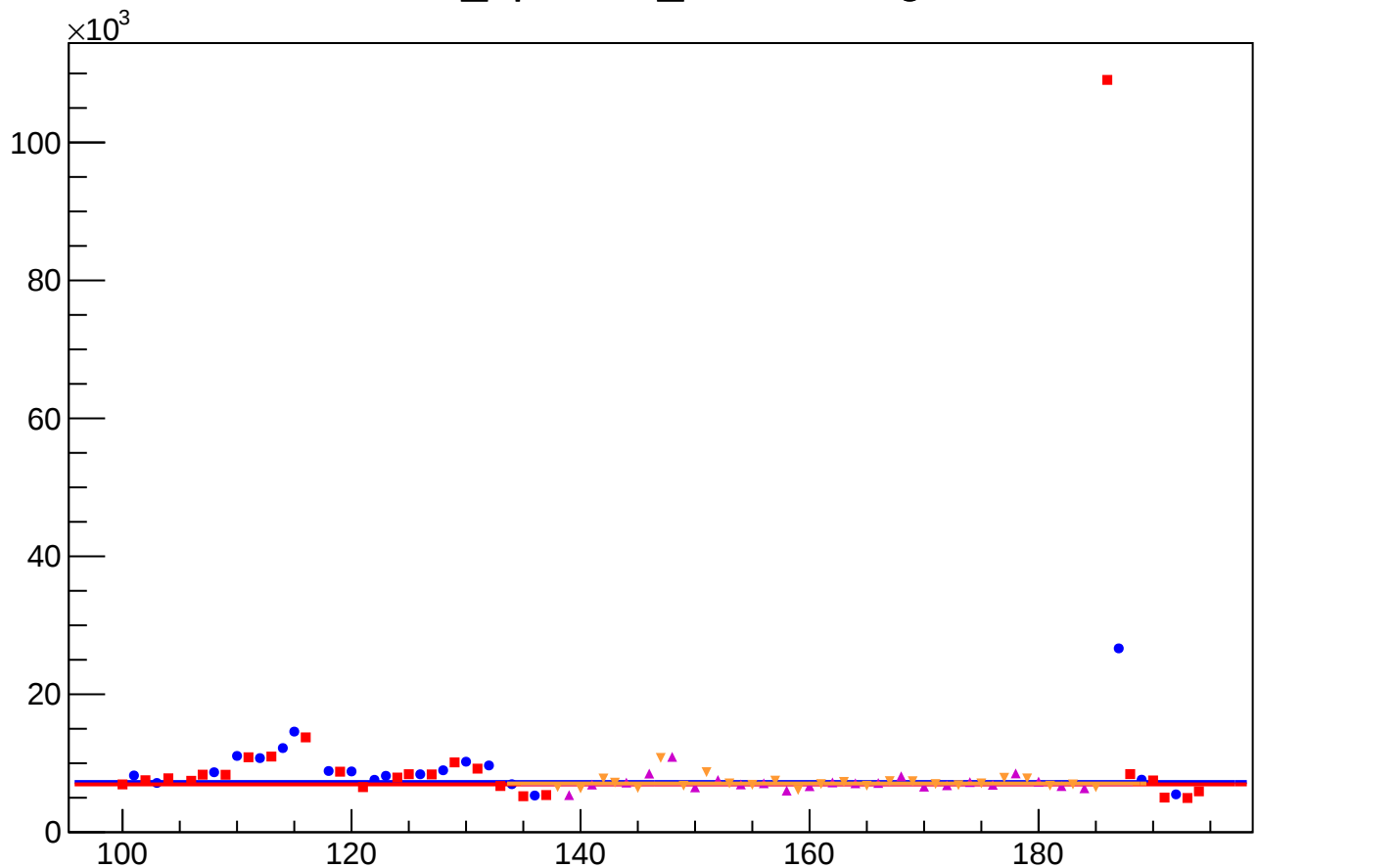
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.225 ± 1.409 χ^2/NDF : 37.1/44

All: 2.097 ± 0.977 χ^2/NDF : 98.0/92

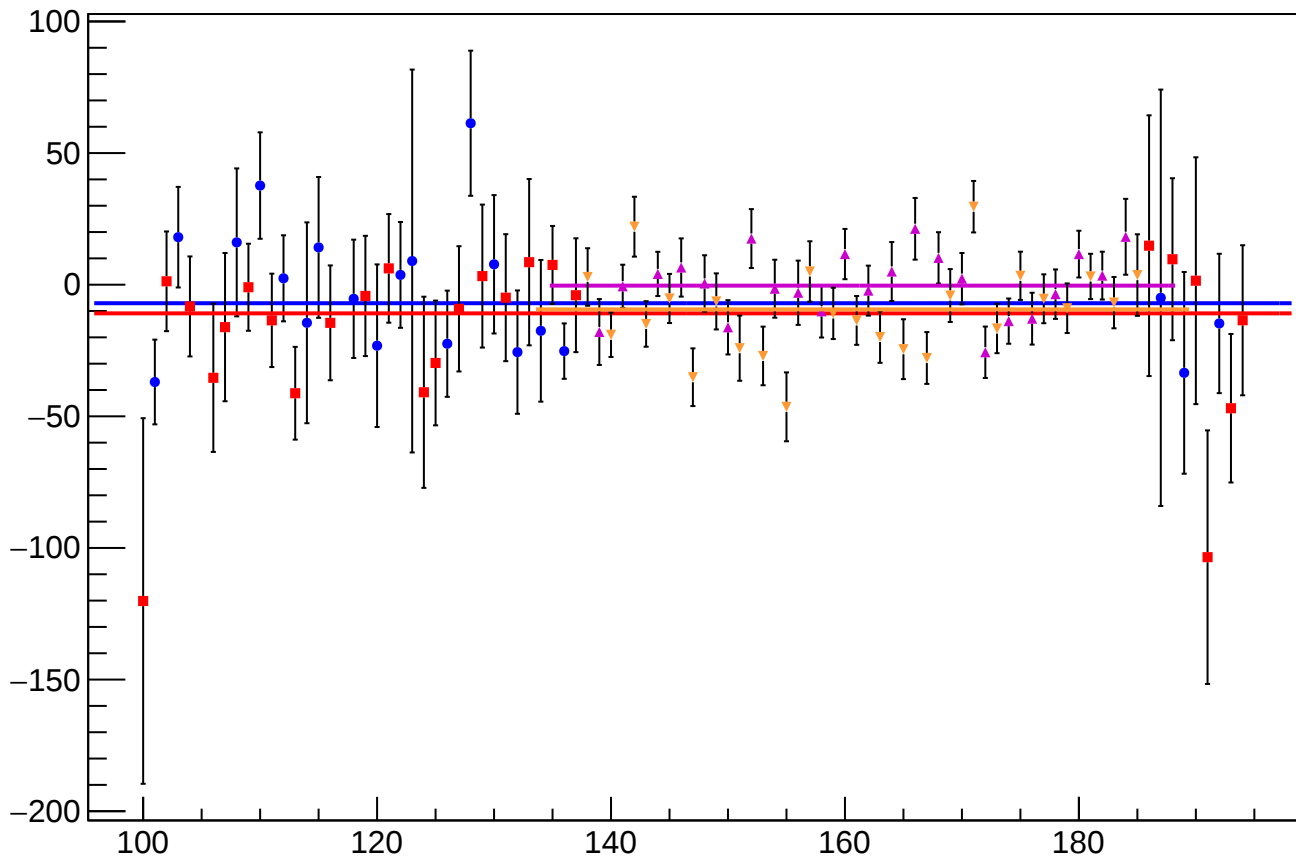
- sign 1.980 ± 1.356 χ^2/NDF : 60.9/47

diff_bpm4aY_rms vs Slug



Right In: 7280.530 ± 1.887 $\chi^2/\text{NDF}: 1131690.4/19$ + sign 7126.398 ± 0.996 $\chi^2/\text{NDF}: 1528393.2/44$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 7049.191 ± 0.691 $\chi^2/\text{NDF}: 3921705.2/92$
 Right Out: 6936.588 ± 1.602 $\chi^2/\text{NDF}: 1830685.4/24$ - sign 6977.622 ± 0.959 $\chi^2/\text{NDF}: 2381736.7/47$
 Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

diff_bpm4eX_mean vs Slug



Right In: -7.032 $\pm$ 4.906 χ^2/NDF : 23.7/19

Left Out: -9.376 $\pm$ 2.018 χ^2/NDF : 58.4/24

Right Out: -10.886 $\pm$ 4.734 χ^2/NDF : 17.6/24

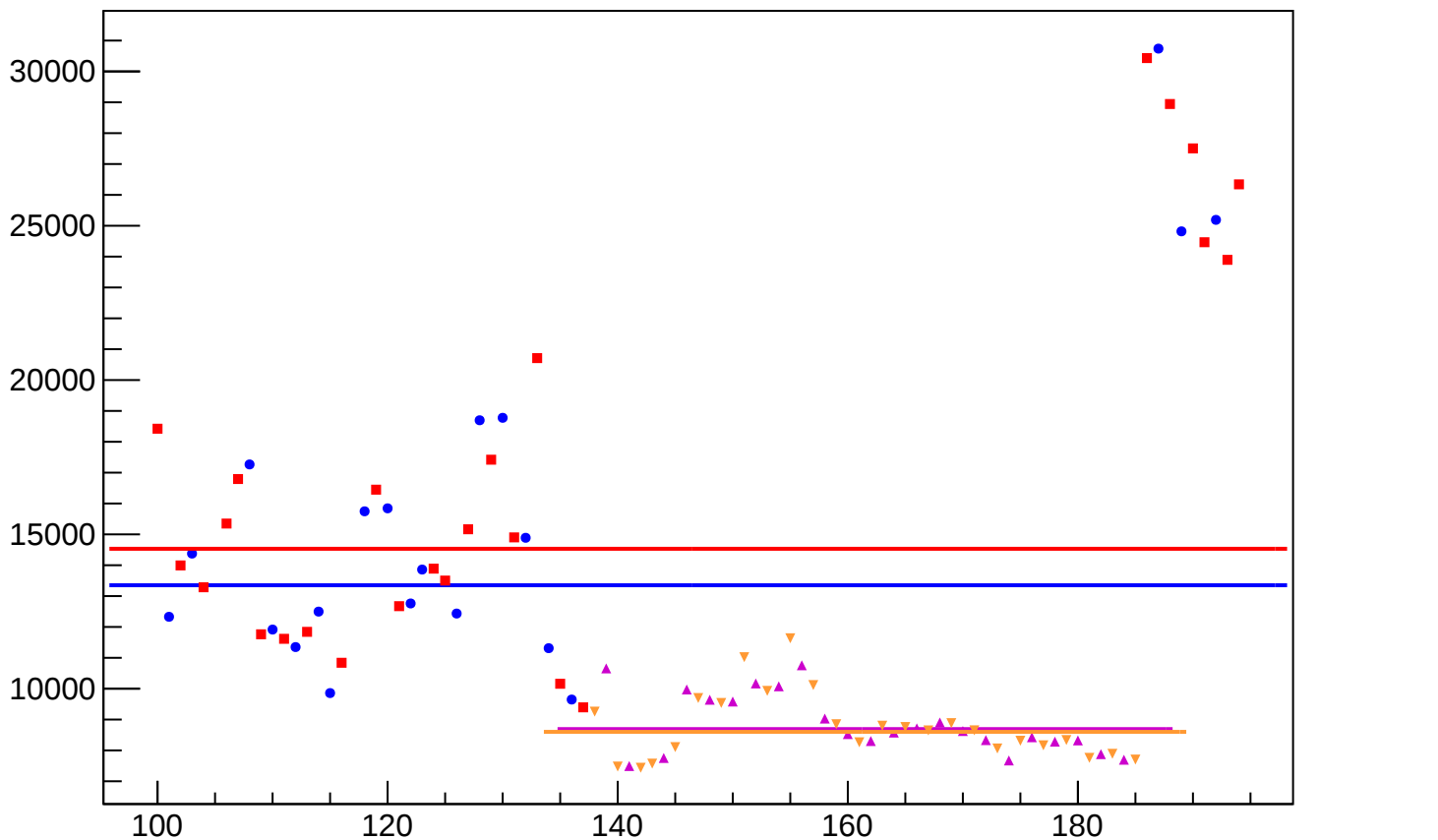
Left In: -0.353 $\pm$ 2.092 χ^2/NDF : 29.6/22

+ sign -9.037 $\pm$ 1.866 χ^2/NDF : 82.3/44

All: -5.643 $\pm$ 1.336 χ^2/NDF : 140.6/92

- sign -2.075 $\pm$ 1.914 χ^2/NDF : 51.4/47

diff_bpm4eX_rms vs Slug



Right In: 13351.715+/-3.469 χ^2/NDF : 1273649.3/19

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 14533.104+/-3.347 χ^2/NDF : 2114931.1/24

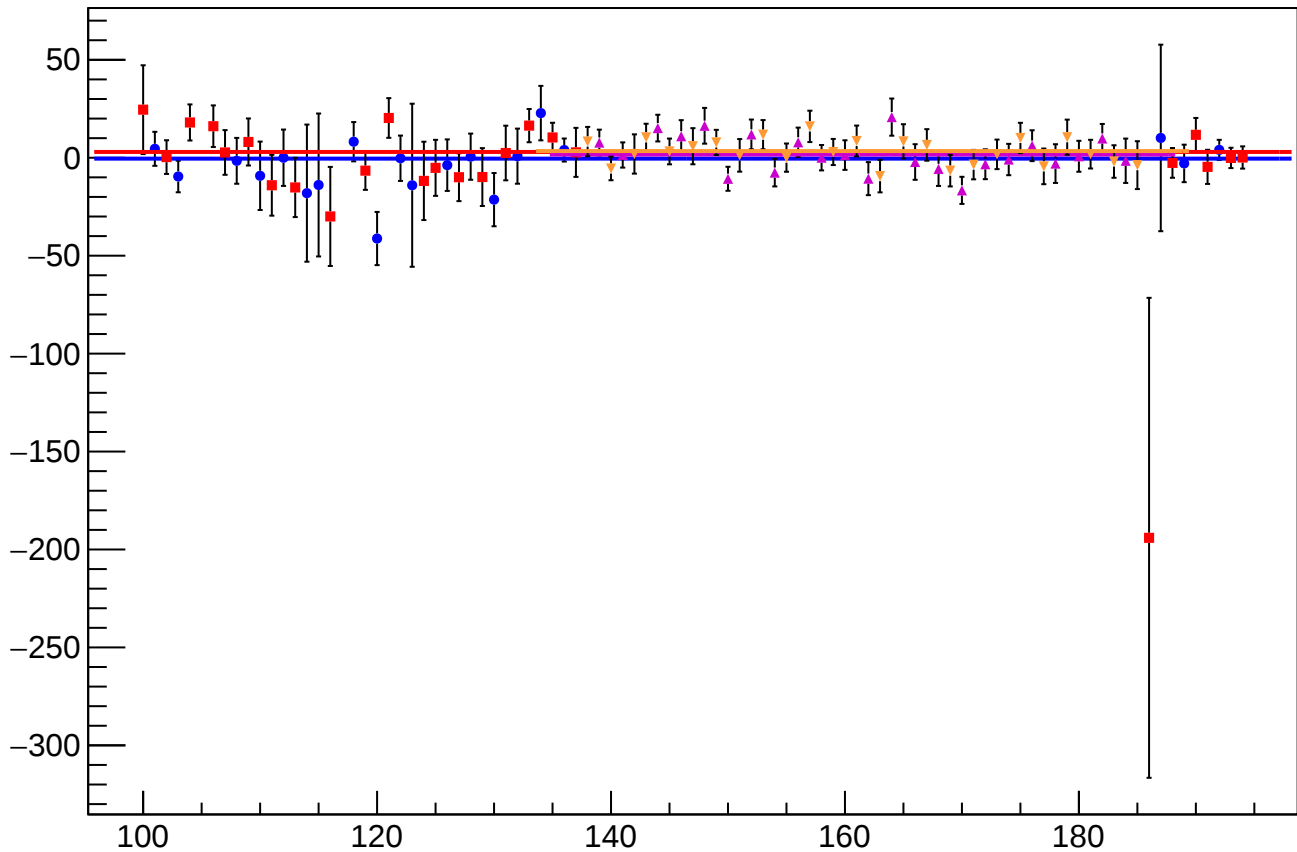
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 9287.972+/-1.320 χ^2/NDF : 3316548.0/44

All: 9462.066+/-0.945 χ^2/NDF : 8387316.5/92

- sign 9645.148+/-1.353 χ^2/NDF : 5035054.3/47

diff_bpm4eY_mean vs Slug



Right In: -0.446 ± 2.385 χ^2/NDF : 18.8/19

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 2.966 ± 1.980 χ^2/NDF : 25.3/24

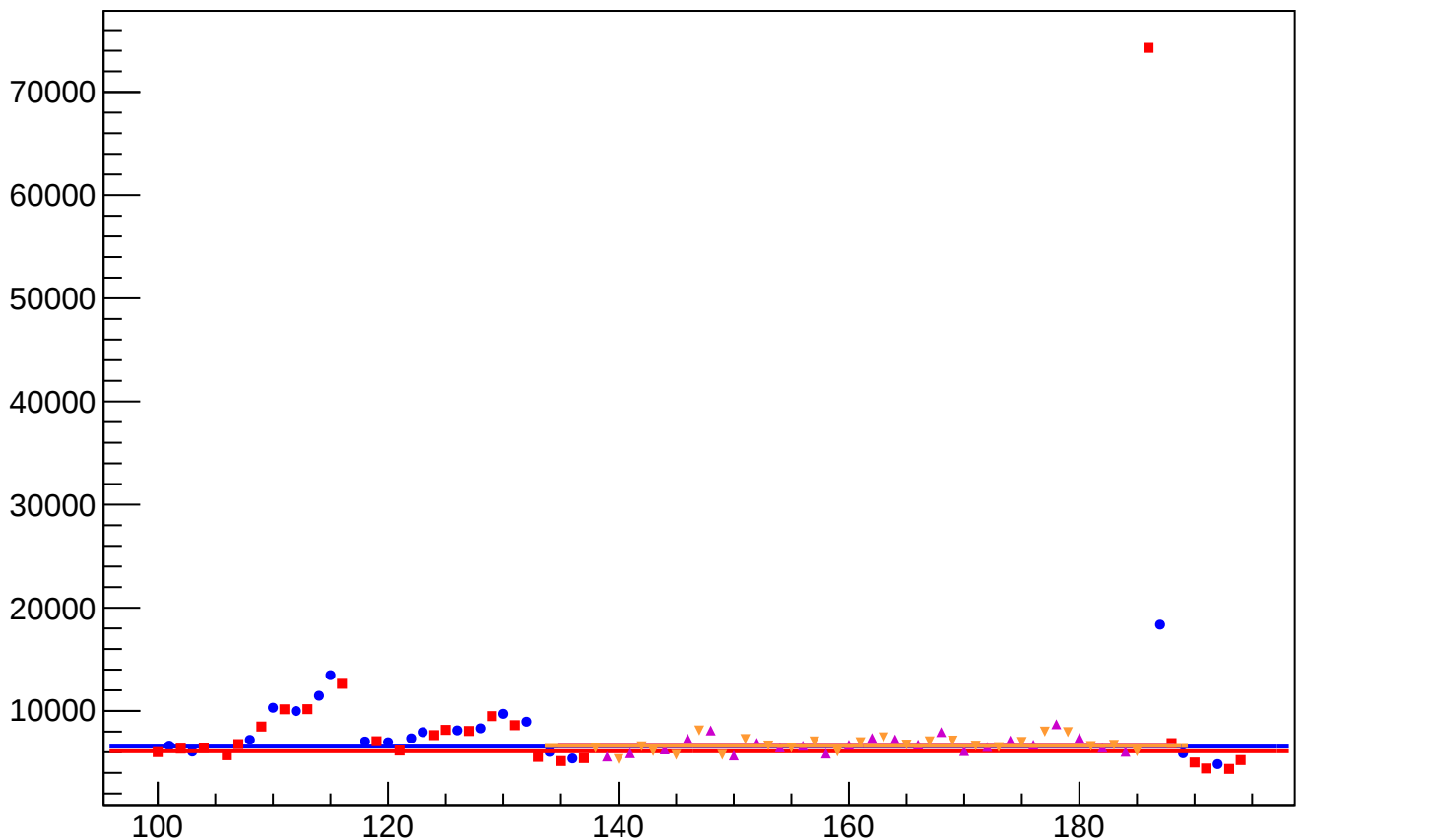
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.262 ± 1.300 χ^2/NDF : 37.5/44

All: 2.206 ± 0.899 χ^2/NDF : 96.5/92

- sign 2.155 ± 1.244 χ^2/NDF : 59.1/47

diff_bpm4eY_rms vs Slug



Right In: 6548.207 $\pm$ 1.687 χ^2/NDF : 1020697.7/19

Left Out: 6607.100 $\pm$ 1.096 χ^2/NDF : 398416.1/24

Right Out: 6095.713 $\pm$ 1.400 χ^2/NDF : 1860390.1/24

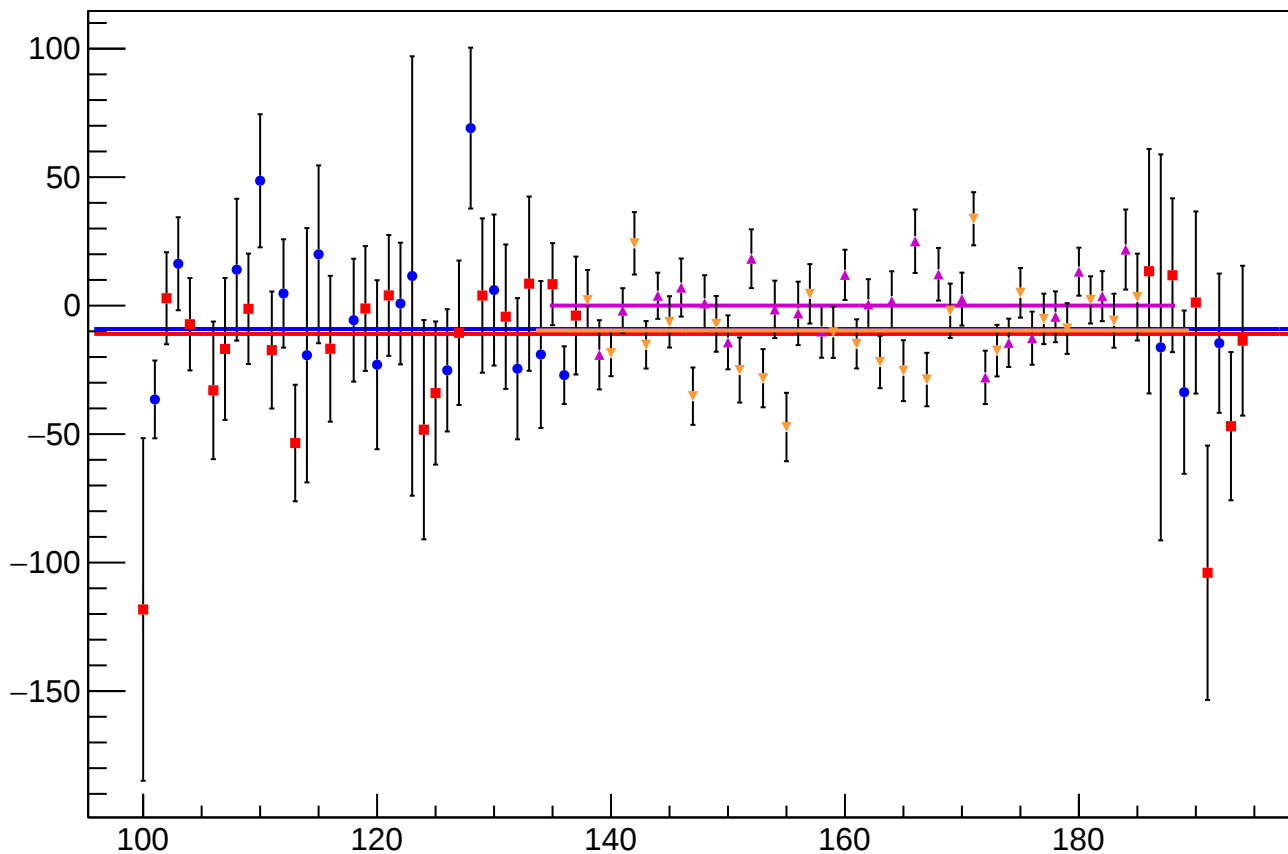
Left In: 6628.653 $\pm$ 1.131 χ^2/NDF : 430282.2/22

+ sign 6589.608 $\pm$ 0.919 χ^2/NDF : 1419970.8/44

All: 6500.209 $\pm$ 0.636 χ^2/NDF : 3816437.8/92

- sign 6418.321 $\pm$ 0.880 χ^2/NDF : 2378344.1/47

diff_bpm4acX_mean vs Slug



Right In: -9.096 ± 5.325 χ^2/NDF : 23.1/19

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -11.016 ± 5.181 χ^2/NDF : 18.1/24

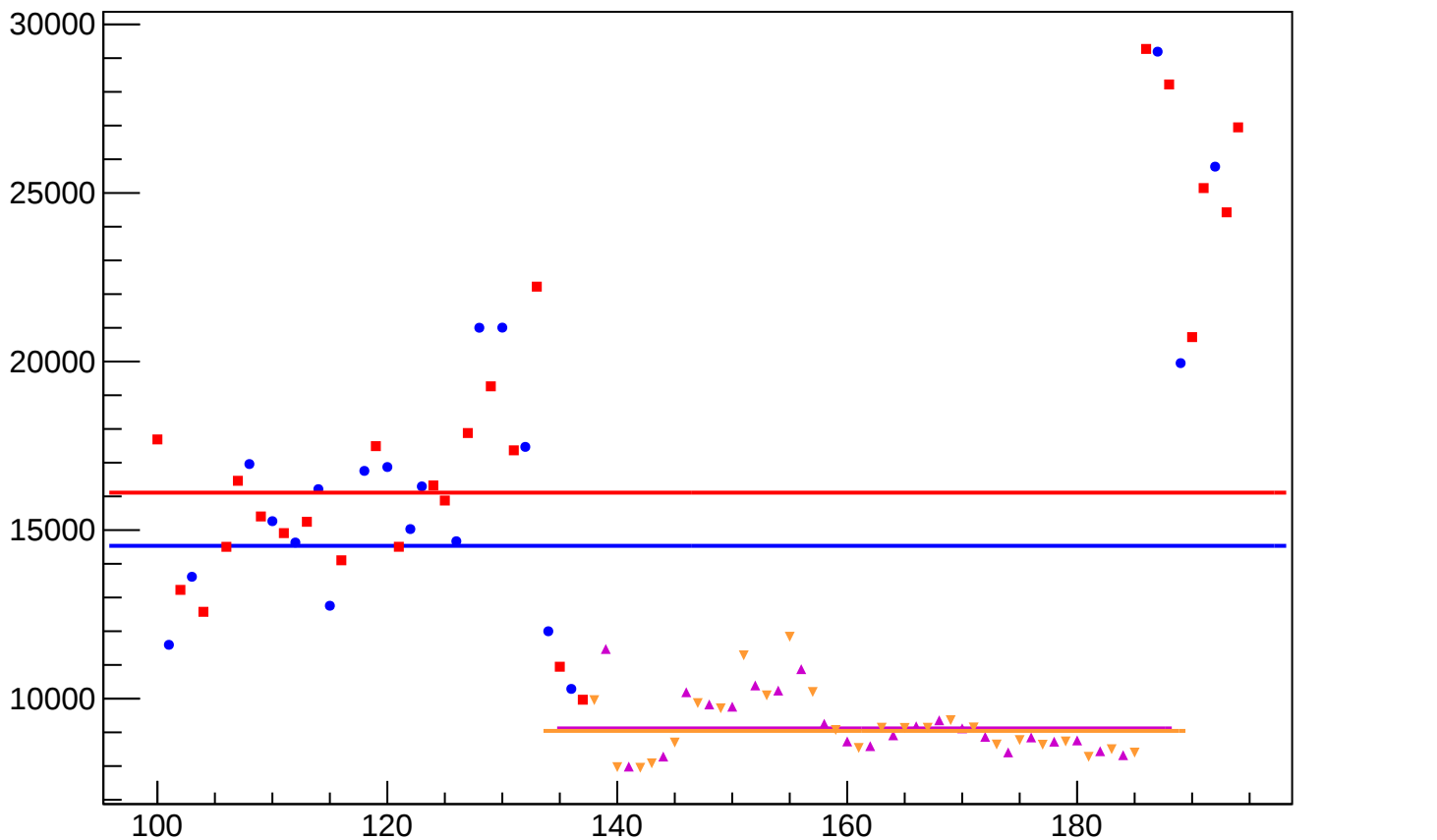
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.573 ± 1.968 χ^2/NDF : 82.9/44

All: -5.715 ± 1.409 χ^2/NDF : 143.3/92

- sign -1.656 ± 2.019 χ^2/NDF : 52.5/47

diff_bpm4acX_rms vs Slug



Right In: 14533.130+/-3.765 χ^2/NDF : 1120192.5/19

Left Out: 9043.485+/-1.498 χ^2/NDF : 328192.2/24

Right Out: 16111.090+/-3.664 χ^2/NDF : 1649797.9/24

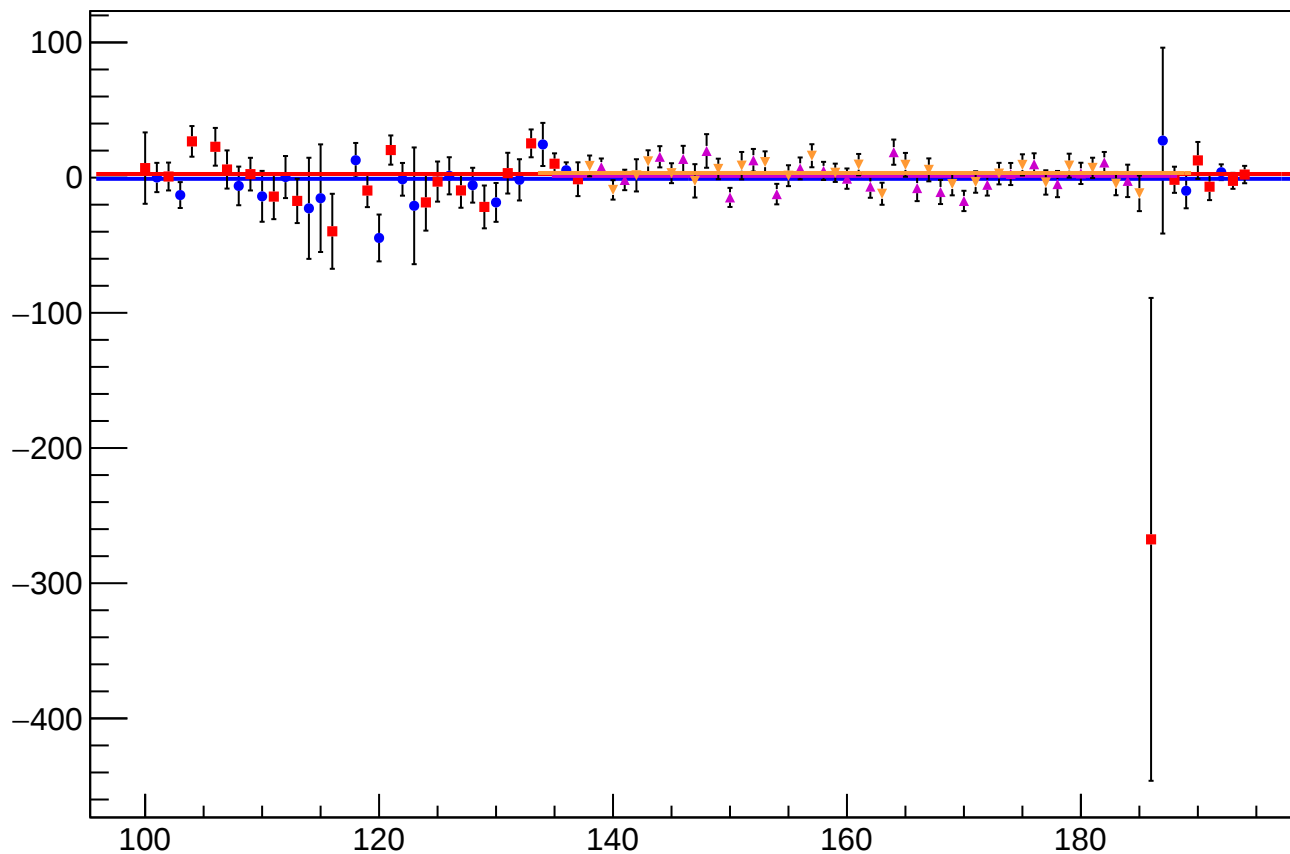
Left In: 9116.921+/-1.550 χ^2/NDF : 277594.8/22

+ sign 9793.543+/-1.392 χ^2/NDF : 3283751.0/44

All: 9981.240+/-0.997 χ^2/NDF : 8339637.4/92

- sign 10178.704+/-1.427 χ^2/NDF : 5018562.3/47

diff_bpm4acY_mean vs Slug



Right In: -0.872 ± 2.684 χ^2/NDF : 17.1/19

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 2.704 ± 2.279 χ^2/NDF : 30.2/24

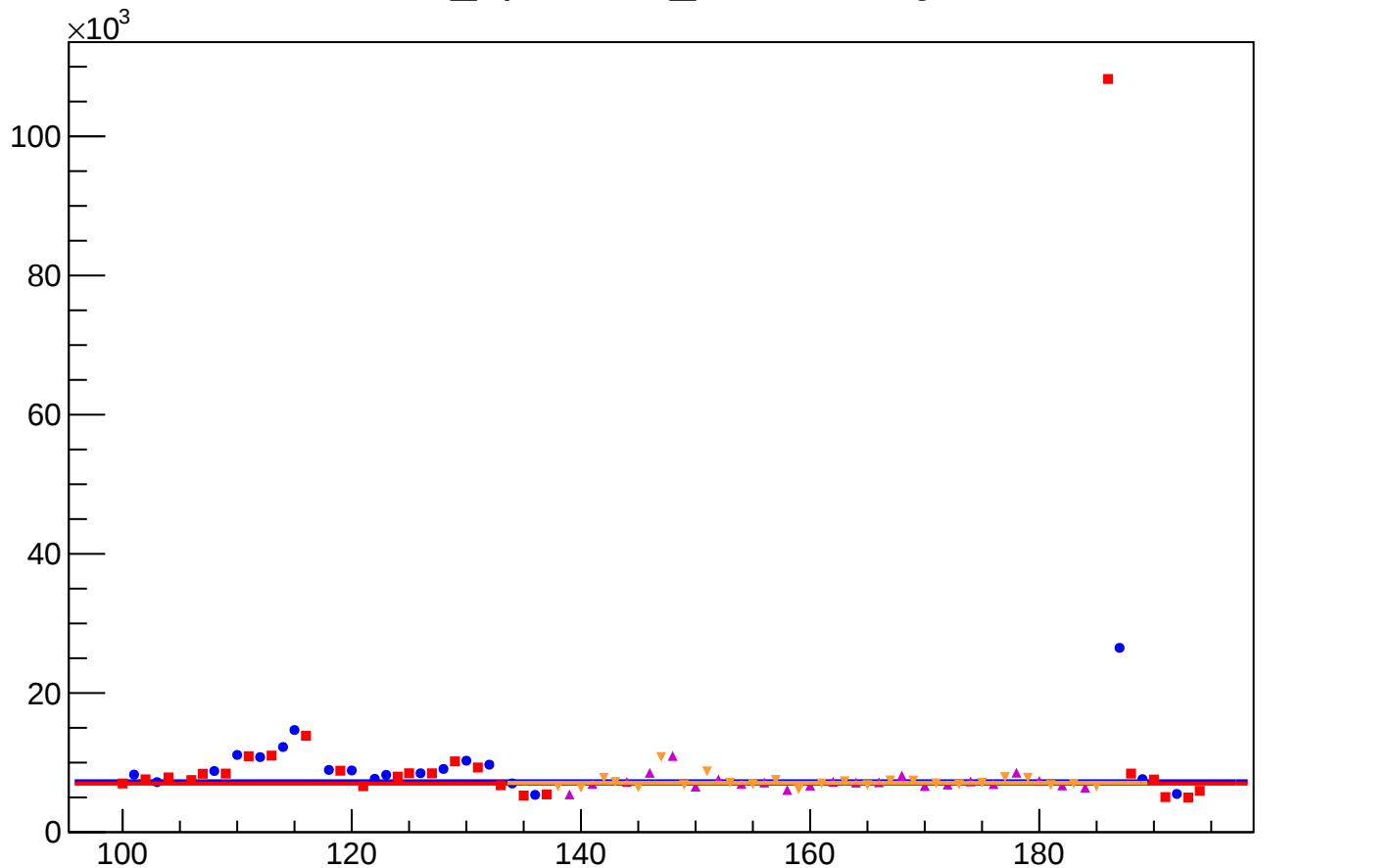
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.240 ± 1.416 χ^2/NDF : 37.9/44

All: 2.010 ± 0.982 χ^2/NDF : 104.9/92

- sign 1.796 ± 1.363 χ^2/NDF : 67.0/47

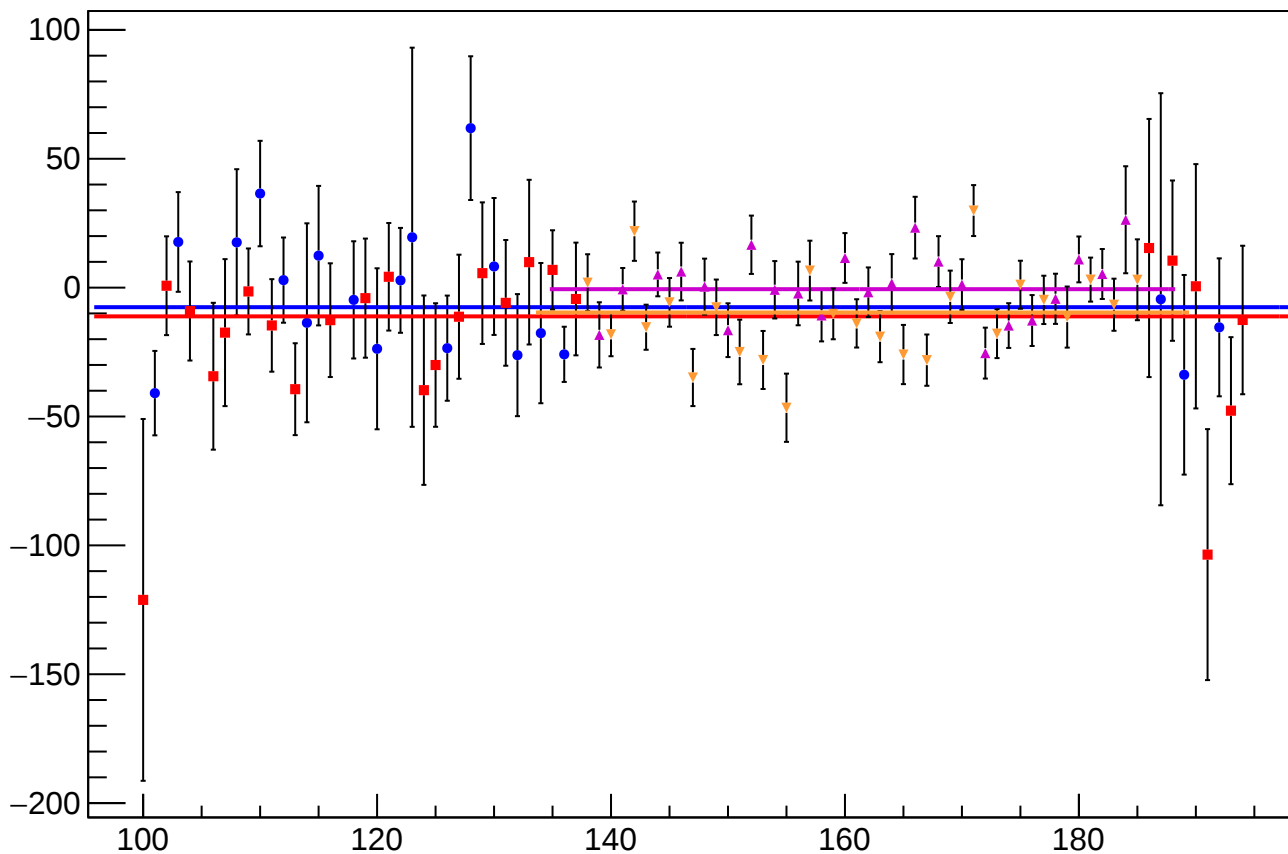
diff_bpm4acY_rms vs Slug



Right In: 7323.802 ± 1.898 $\chi^2/\text{NDF}: 1133824.7/19$
 Left Out: 7098.726 ± 1.178 $\chi^2/\text{NDF}: 382550.4/24$
 Right Out: 6975.978 ± 1.611 $\chi^2/\text{NDF}: 1832733.1/24$
 Left In: 7033.702 ± 1.203 $\chi^2/\text{NDF}: 541035.5/22$

+ sign 7161.332 ± 1.001 $\chi^2/\text{NDF}: 1526527.7/44$
 All: 7084.386 ± 0.694 $\chi^2/\text{NDF}: 3912509.3/92$
 - sign 7013.046 ± 0.964 $\chi^2/\text{NDF}: 2374592.9/47$

diff_bpm4ecX_mean vs Slug



Right In: -7.585 ± 4.971 χ^2/NDF : 24.3/19

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -11.151 ± 4.799 χ^2/NDF : 16.7/24

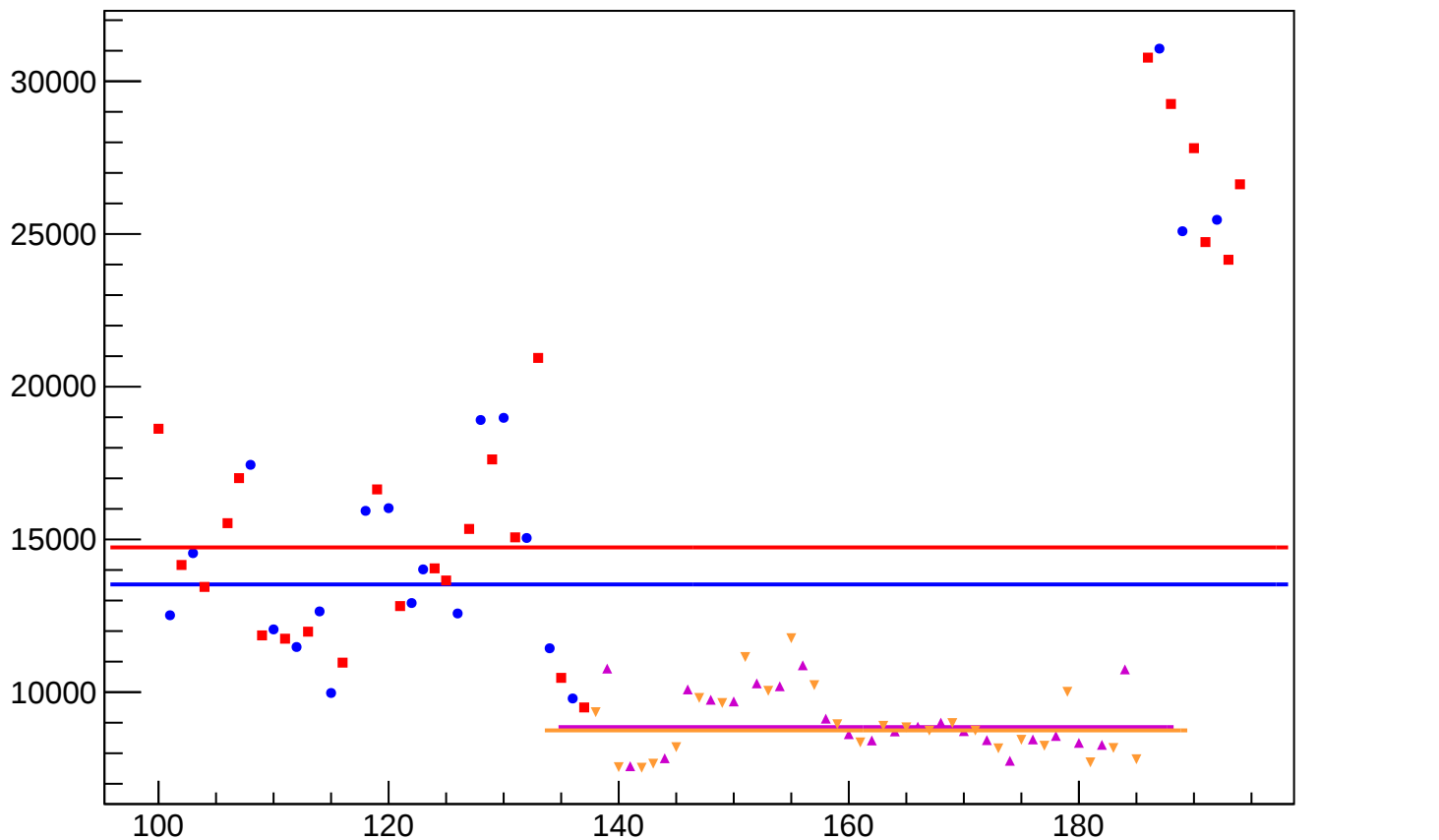
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.340 ± 1.901 χ^2/NDF : 82.1/44

All: -5.932 ± 1.361 χ^2/NDF : 139.1/92

- sign -2.343 ± 1.951 χ^2/NDF : 50.4/47

diff_bpm4ecX_rms vs Slug



Right In: 13527.652+/-3.515 χ^2/NDF : 1264061.9/19

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 14738.692+/-3.394 χ^2/NDF : 2091919.1/24

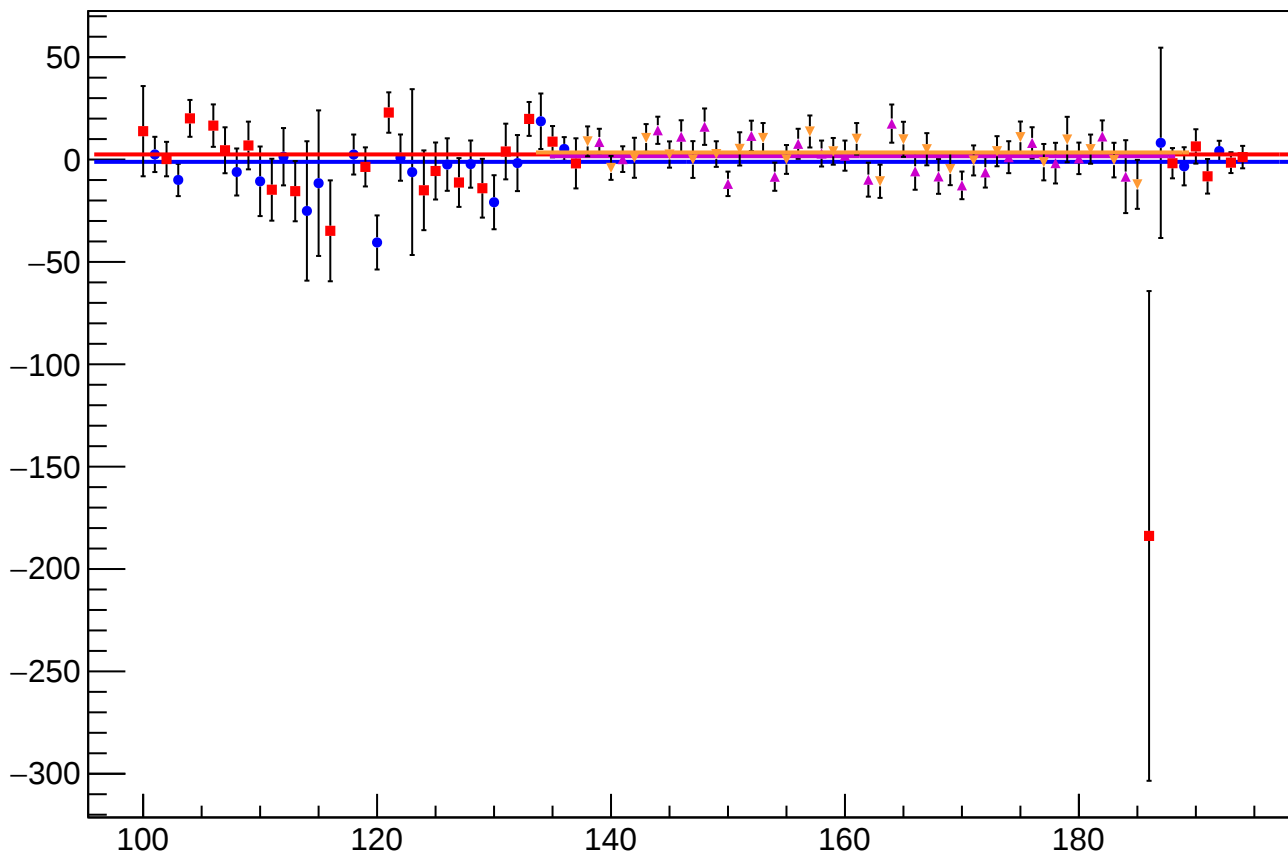
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 9447.321+/-1.344 χ^2/NDF : 3305916.8/44

All: 9632.524+/-0.963 χ^2/NDF : 8313238.3/92

- sign 9827.561+/-1.379 χ^2/NDF : 4968343.5/47

diff_bpm4ecY_mean vs Slug



Right In: -1.122 ± 2.331 χ^2/NDF : 18.4/19

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 2.509 ± 1.935 χ^2/NDF : 30.2/24

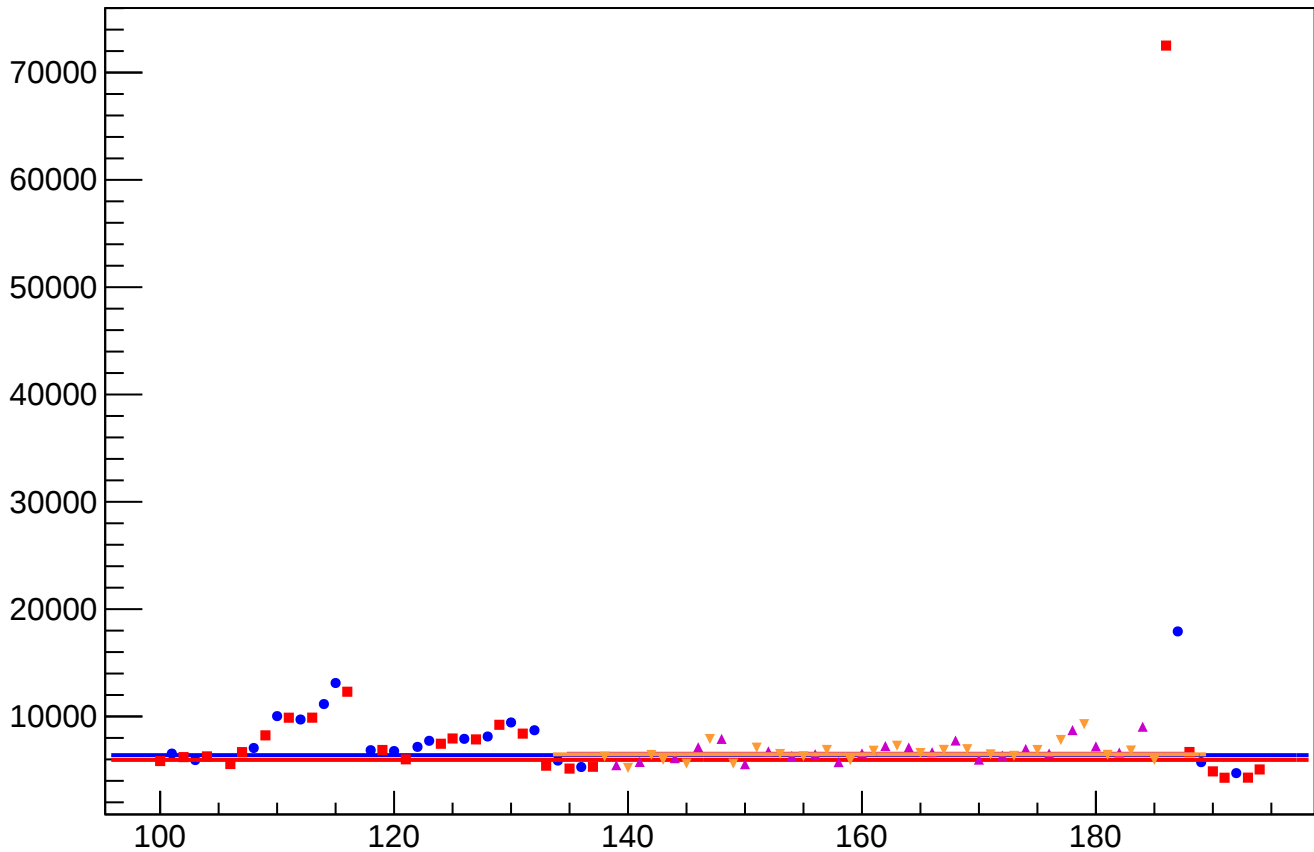
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.097 ± 1.276 χ^2/NDF : 36.9/44

All: 2.039 ± 0.883 χ^2/NDF : 101.0/92

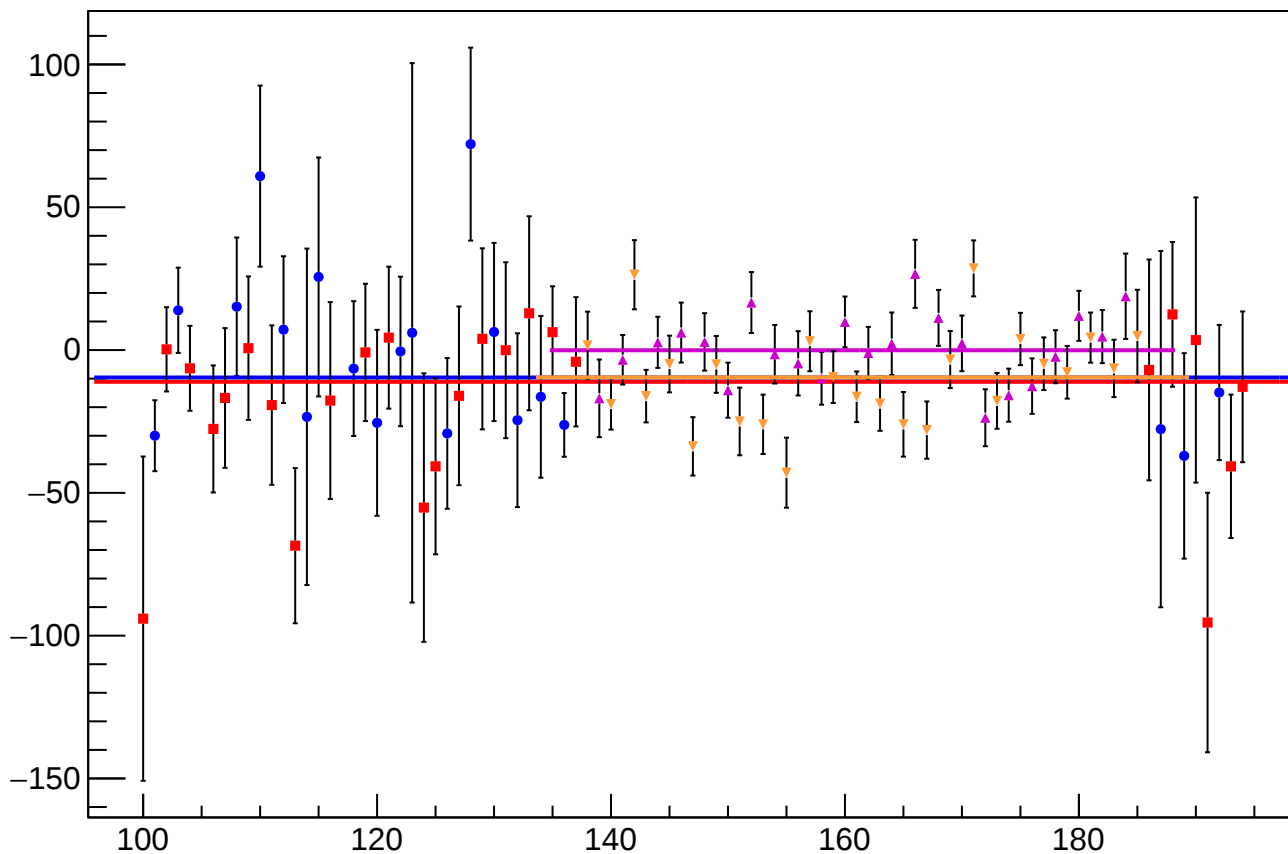
- sign 1.986 ± 1.223 χ^2/NDF : 64.1/47

diff_bpm4ecY_rms vs Slug



Right In: 6394.664+/-1.648	χ^2/NDF : 1016961.2/19	+ sign 6448.822+/-0.902	χ^2/NDF : 1508785.0/44
Left Out: 6471.976+/-1.078	χ^2/NDF : 490282.9/24	All: 6368.538+/-0.624	χ^2/NDF : 3953315.1/92
Right Out: 5953.049+/-1.368	χ^2/NDF : 1845462.4/24	- sign 6294.775+/-0.865	χ^2/NDF : 2429333.2/47
Left In: 6521.975+/-1.116	χ^2/NDF : 480034.7/22		

diff_bpm1X_mean vs Slug



Right In: -9.606 ± 5.208 χ^2/NDF : 22.7/19

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -11.111 ± 5.068 χ^2/NDF : 18.5/24

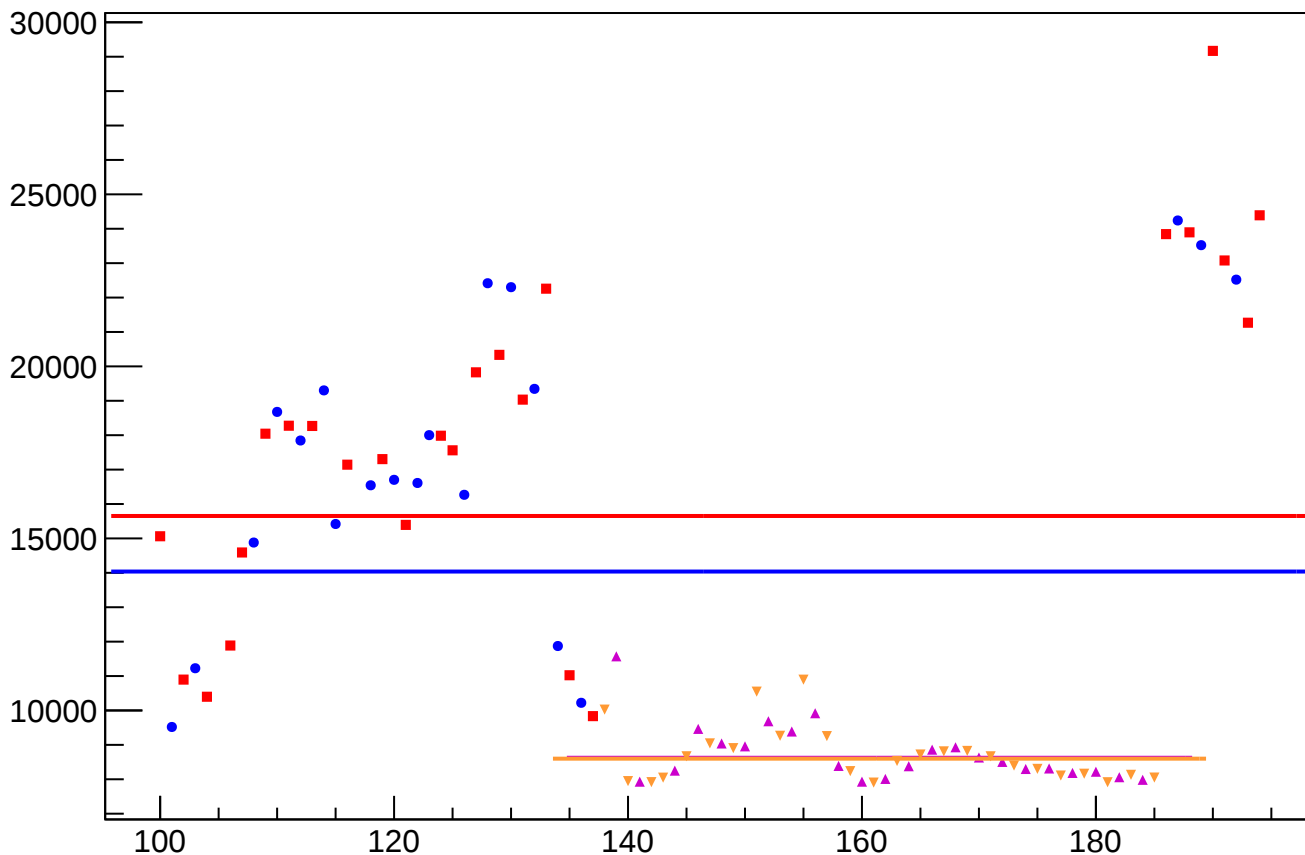
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.561 ± 1.877 χ^2/NDF : 82.2/44

All: -5.695 ± 1.342 χ^2/NDF : 143.3/92

- sign -1.654 ± 1.918 χ^2/NDF : 52.4/47

diff_bpm1X_rms vs Slug



Right In: 14037.299+/-3.682 χ^2/NDF : 1535387.0/19

Left Out: 8598.983+/-1.423 χ^2/NDF : 249070.5/24

Right Out: 15652.183+/-3.583 χ^2/NDF : 1897337.3/24

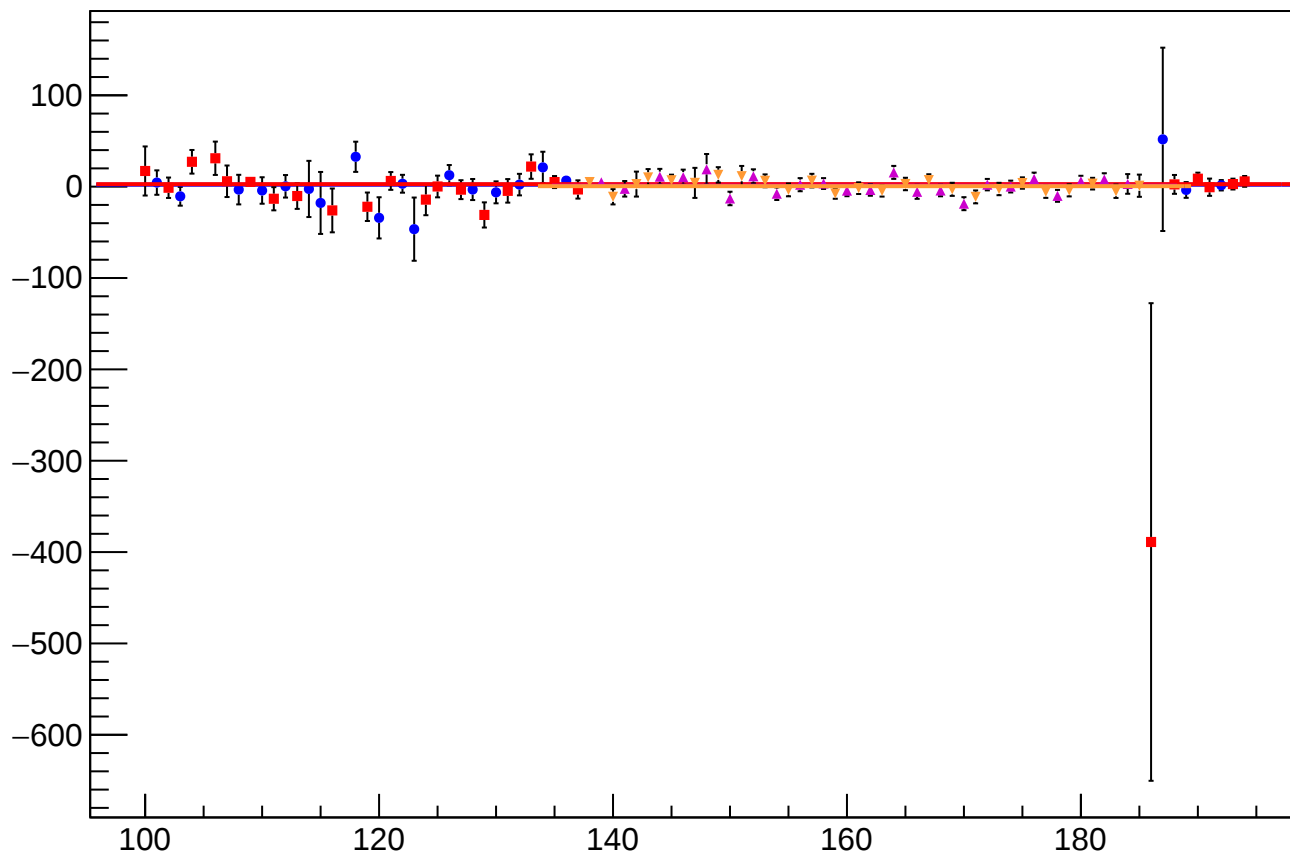
Left In: 8625.233+/-1.466 χ^2/NDF : 237310.9/22

+ sign 9305.155+/-1.327 χ^2/NDF : 3682264.5/44

All: 9465.145+/-0.949 χ^2/NDF : 9141148.9/92

- sign 9632.350+/-1.357 χ^2/NDF : 5429155.1/47

diff_bpm1Y_mean vs Slug



Right In: 2.129 $\pm$ 2.388 χ^2 /NDF: 14.7/19

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 2.728 $\pm$ 1.933 χ^2 /NDF: 26.9/24

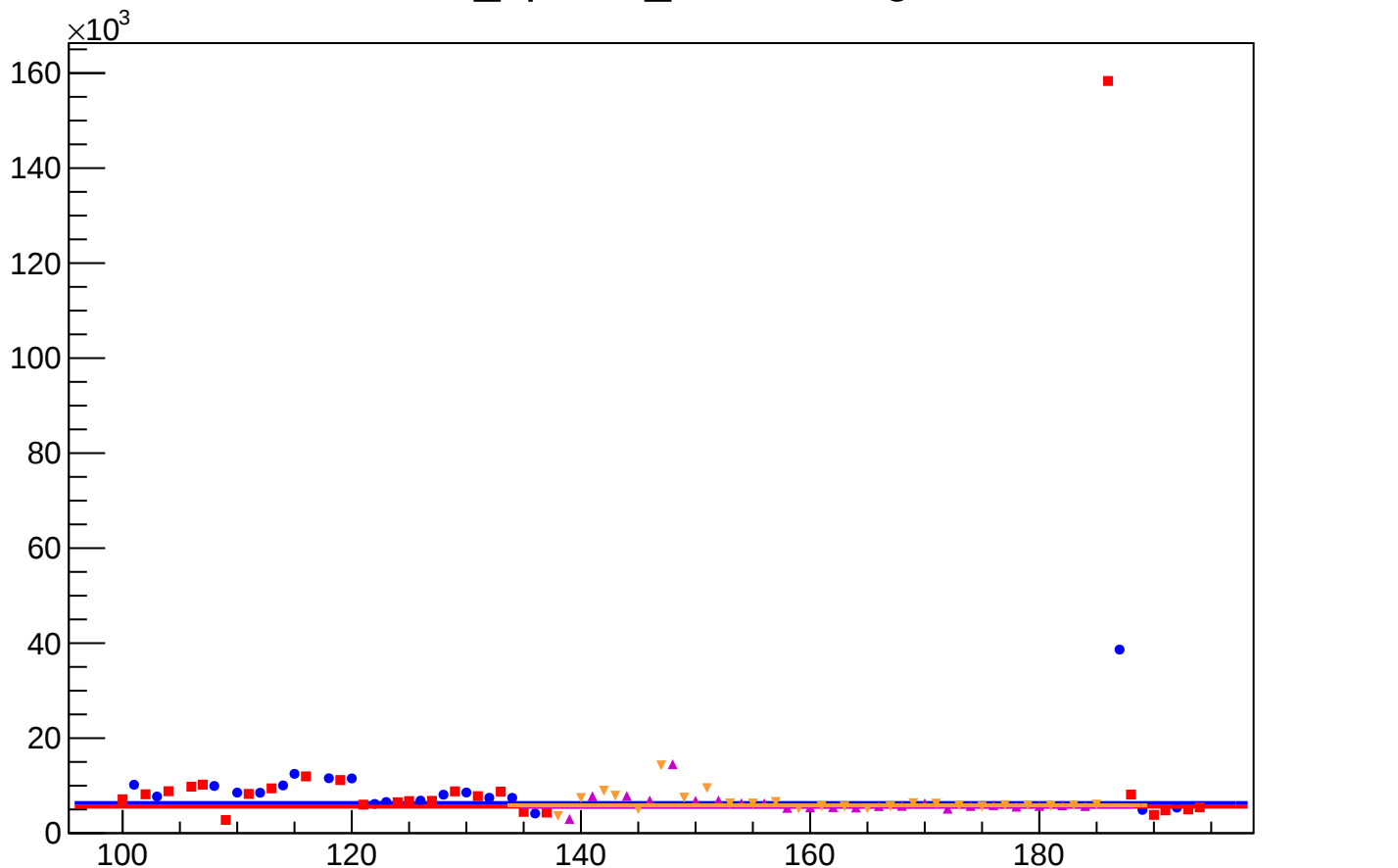
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.945 $\pm$ 1.219 χ^2 /NDF: 34.5/44

All: 1.310 $\pm$ 0.829 χ^2 /NDF: 94.6/92

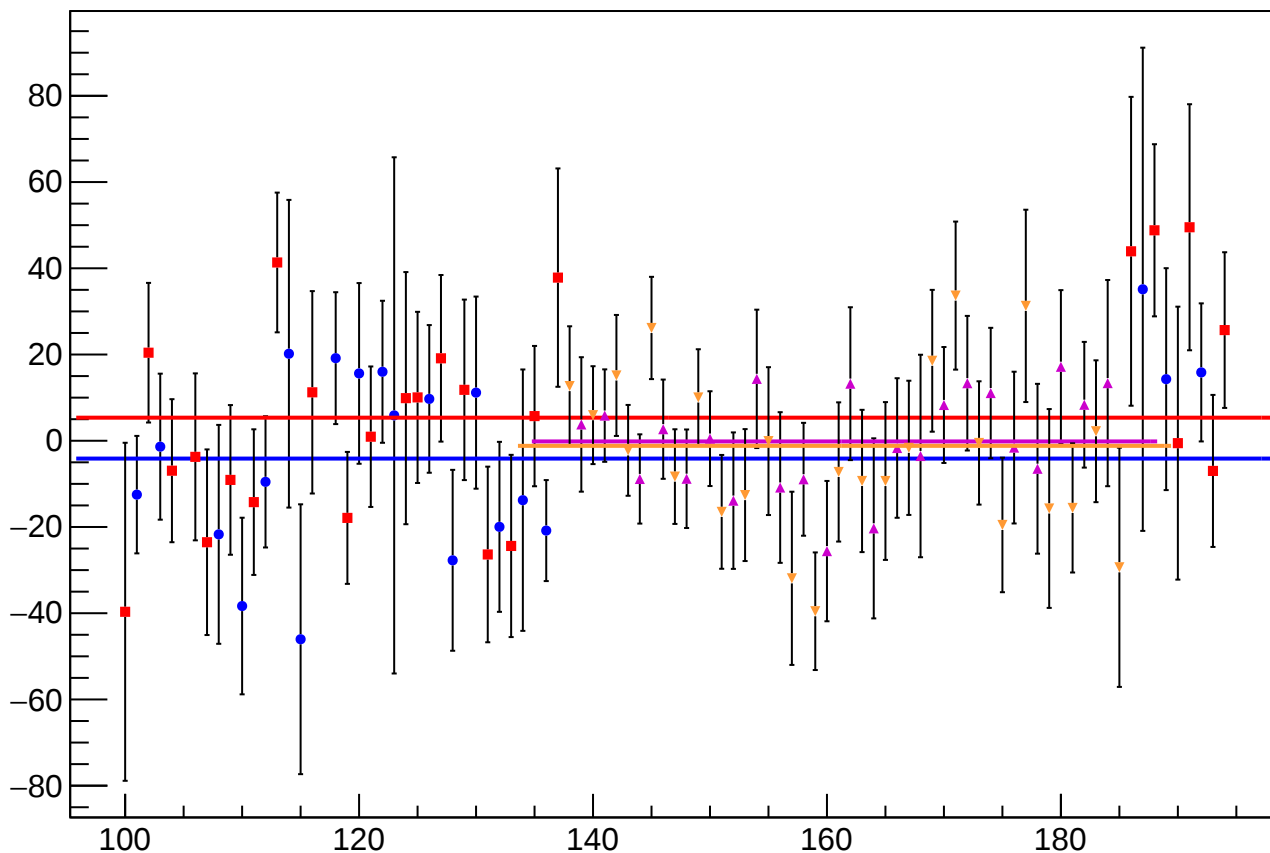
- sign 1.625 $\pm$ 1.131 χ^2 /NDF: 59.9/47

diff_bpm1Y_rms vs Slug



Right In: 6350.735 ± 1.688	$\chi^2/\text{NDF}: 1743475.3/19$	+ sign 5988.340 ± 0.862	$\chi^2/\text{NDF}: 3495830.5/44$
Left Out: 5860.605 ± 1.002	$\chi^2/\text{NDF}: 1690049.2/24$	All: 5767.741 ± 0.586	$\chi^2/\text{NDF}: 9061719.1/92$
Right Out: 5589.853 ± 1.367	$\chi^2/\text{NDF}: 3281044.2/24$	- sign 5577.676 ± 0.800	$\chi^2/\text{NDF}: 5443953.2/47$
Left In: 5571.330 ± 0.987	$\chi^2/\text{NDF}: 2162788.3/22$		

diff_bpm11X_mean vs Slug



Right In: -4.133 ± 4.310 χ^2/NDF : 18.5/19

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 5.354 ± 3.957 χ^2/NDF : 31.0/24

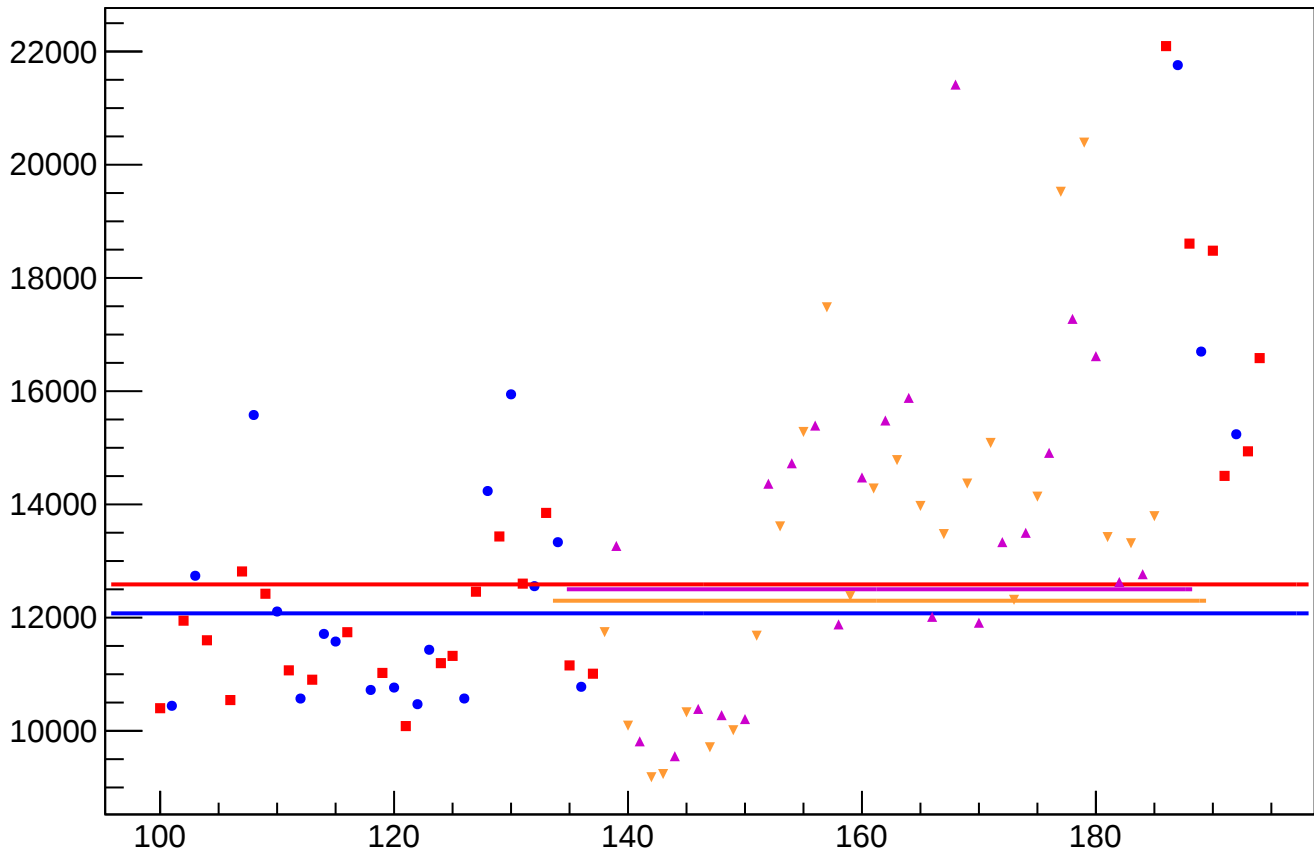
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.119 ± 2.428 χ^2/NDF : 52.5/44

All: -0.100 ± 1.714 χ^2/NDF : 97.6/92

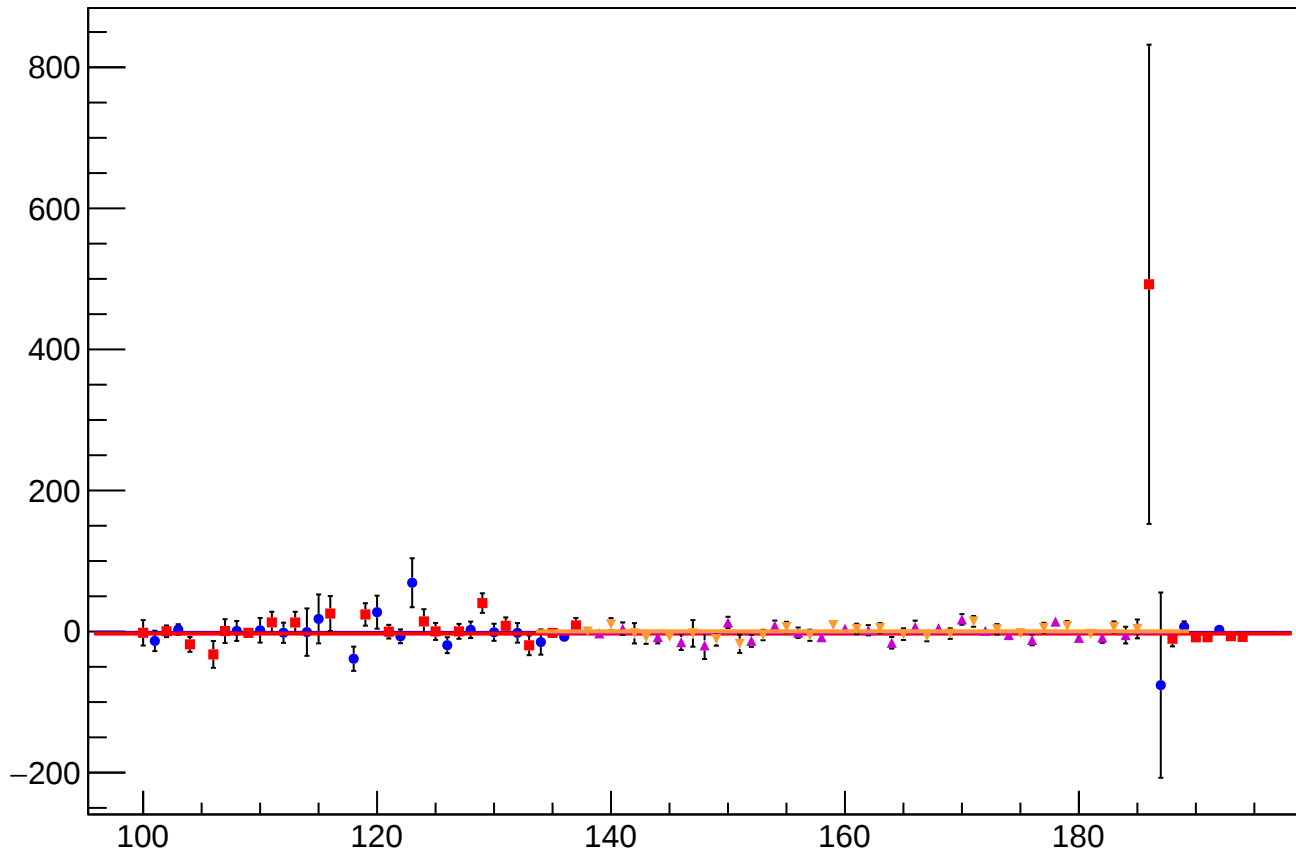
- sign 1.904 ± 2.420 χ^2/NDF : 43.7/47

diff_bpm11X_rms vs Slug



Right In: 12075.648+/-3.048	χ^2/NDF : 461409.4/19	+ sign 12227.889+/-1.717	χ^2/NDF : 1971092.1/44
Left Out: 12298.676+/-2.078	χ^2/NDF : 1506026.8/24	All: 12380.998+/-1.212	χ^2/NDF : 4074117.1/9
Right Out: 12587.040+/-2.798	χ^2/NDF : 728691.2/24	- sign 12533.045+/-1.711	χ^2/NDF : 2087175.1/47
Left In: 12500.795+/-2.162	χ^2/NDF : 1357889.1/22		

diff_bpm11Y_mean vs Slug



Right In: -1.871 ± 2.236 χ^2/NDF : 18.9/19

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -2.903 ± 1.797 χ^2/NDF : 31.0/24

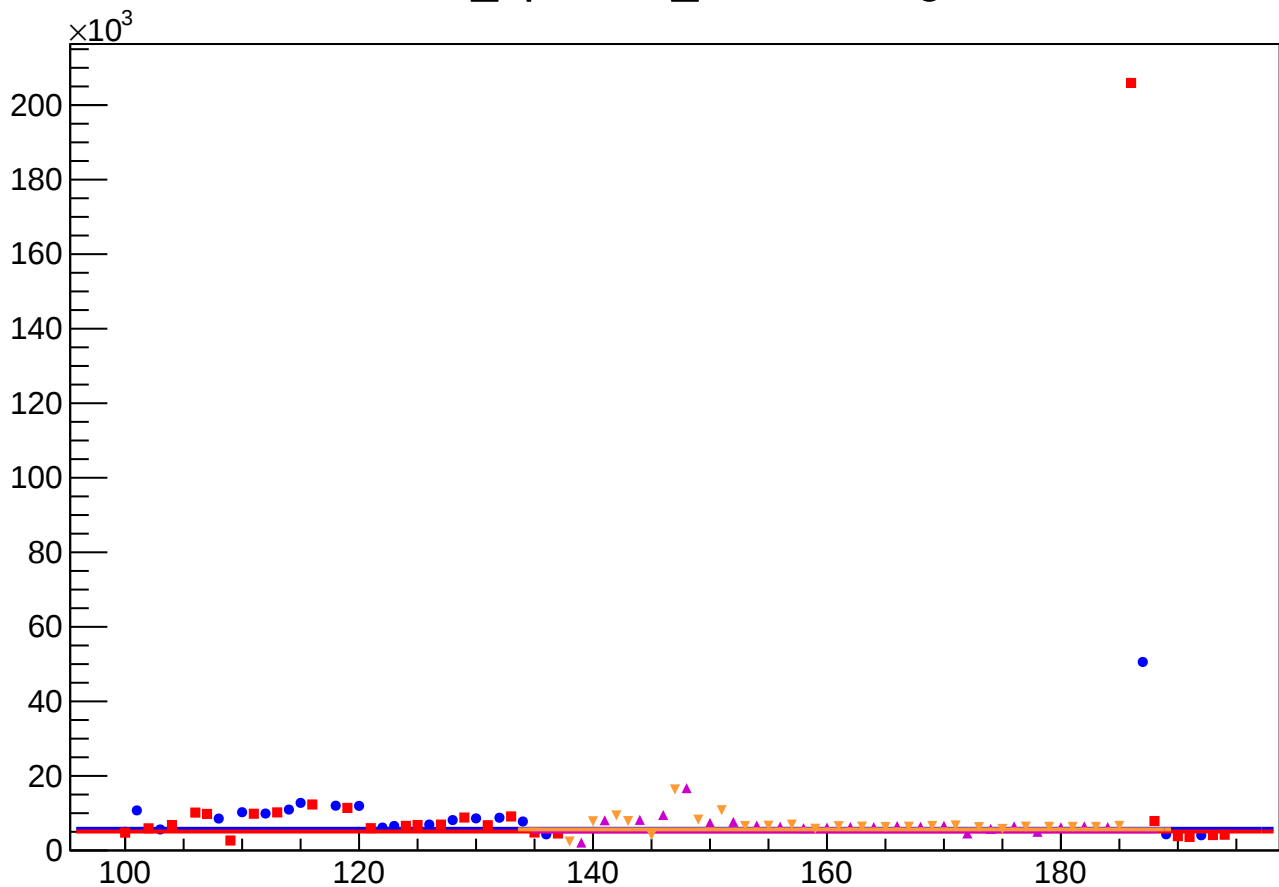
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign -0.295 ± 1.207 χ^2/NDF : 38.8/44

All: -1.126 ± 0.809 χ^2/NDF : 104.9/92

- sign -1.805 ± 1.090 χ^2/NDF : 65.2/47

diff_bpm11Y_rms vs Slug



Right In: 5806.225 ± 1.581 $\chi^2/\text{NDF}: 2290025.6/19$

Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$

Right Out: 5082.564 ± 1.271 $\chi^2/\text{NDF}: 3450580.1/24$

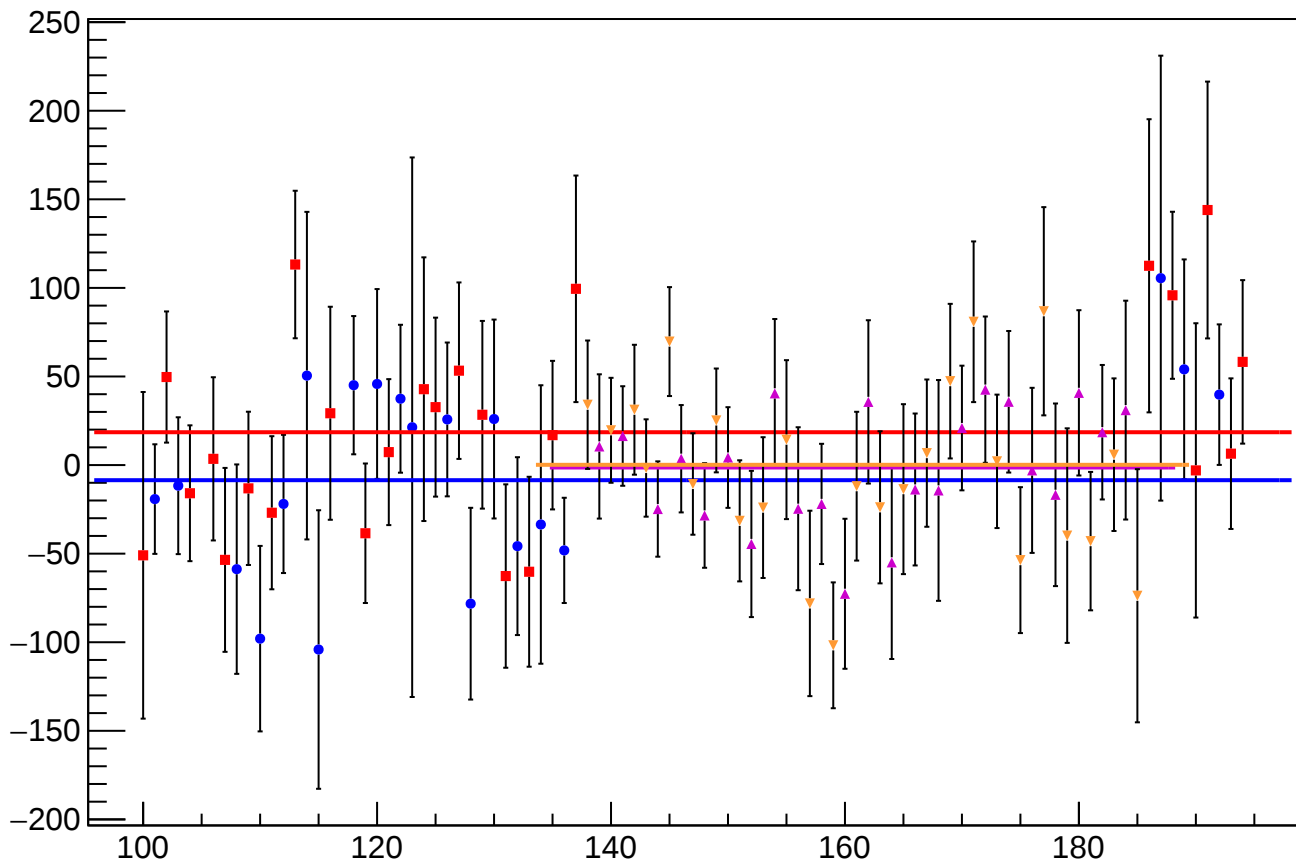
Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

+ sign 5702.195 ± 0.853 $\chi^2/\text{NDF}: 6424717.9/44$

All: 5380.225 ± 0.572 $\chi^2/\text{NDF}: 15630682.0/9$

- sign 5117.451 ± 0.771 $\chi^2/\text{NDF}: 8947382.8/47$

diff_bpm12X_mean vs Slug



Right In: -8.534 ± 10.680 χ^2/NDF : 18.4/19

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 18.537 ± 9.829 χ^2/NDF : 27.9/24

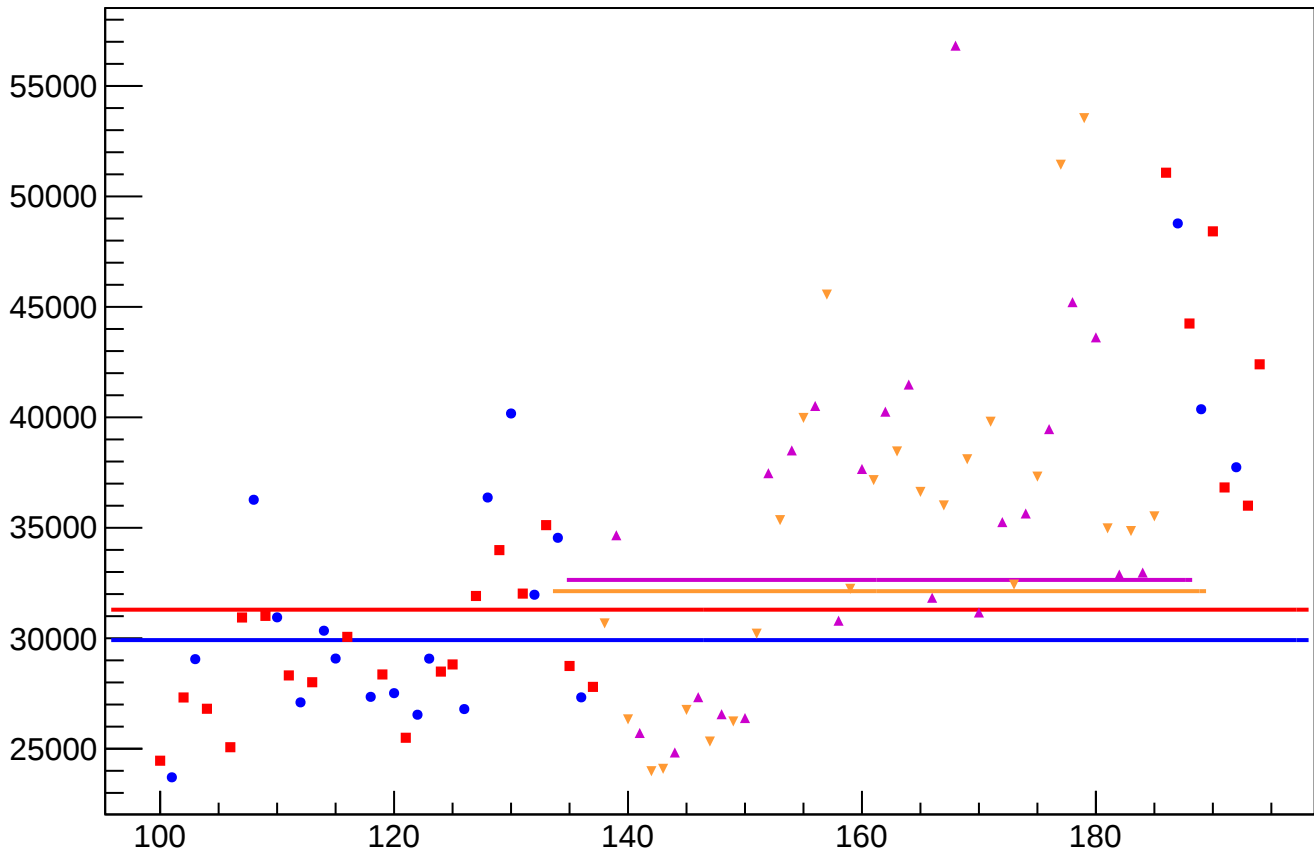
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -2.816 ± 6.237 χ^2/NDF : 50.1/44

All: 1.894 ± 4.397 χ^2/NDF : 94.9/92

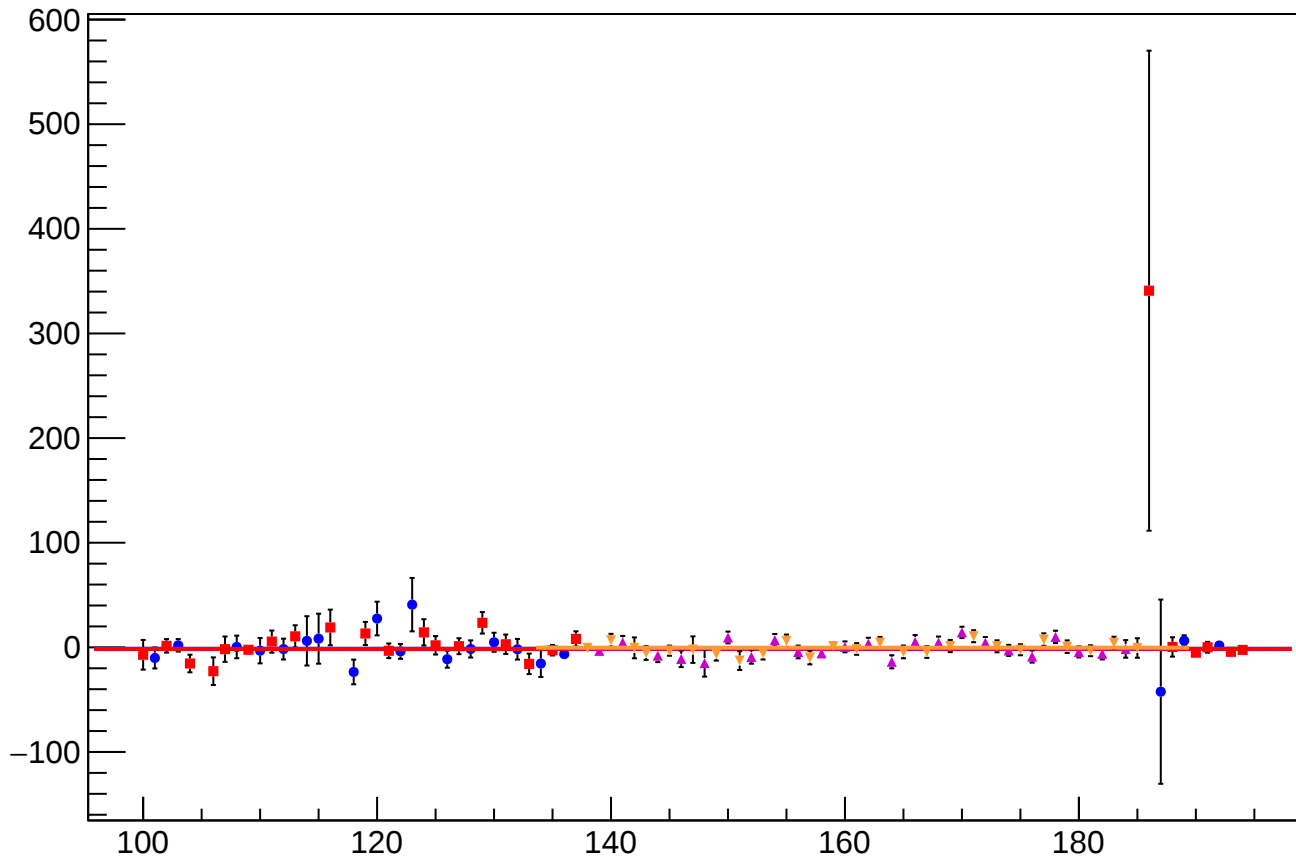
- sign 6.548 ± 6.200 χ^2/NDF : 43.7/47

diff_bpm12X_rms vs Slug



Right In: 29917.220+/-7.552	χ^2/NDF : 452883.4/19	+ sign 31376.911+/-4.410	χ^2/NDF : 2049653.2/44
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 31743.144+/-3.109	χ^2/NDF : 4199294.9/5
Right Out: 31293.755+/-6.950	χ^2/NDF : 711140.7/24	- sign 32105.058+/-4.384	χ^2/NDF : 2135931.4/47
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: -1.387 ± 1.609 χ^2/NDF : 19.9/19

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -1.484 ± 1.326 χ^2/NDF : 26.6/24

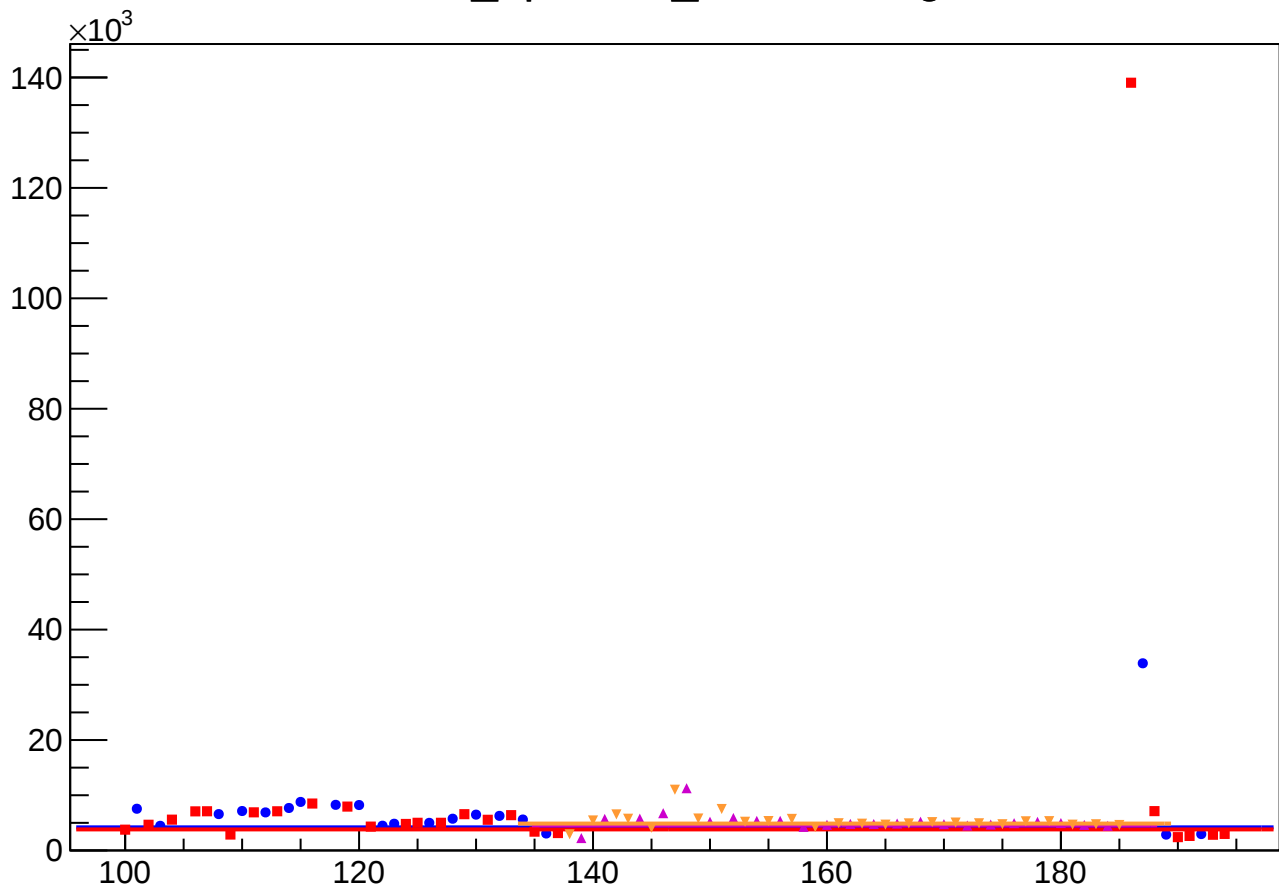
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.684 ± 0.947 χ^2/NDF : 37.9/44

All: -0.940 ± 0.639 χ^2/NDF : 100.9/92

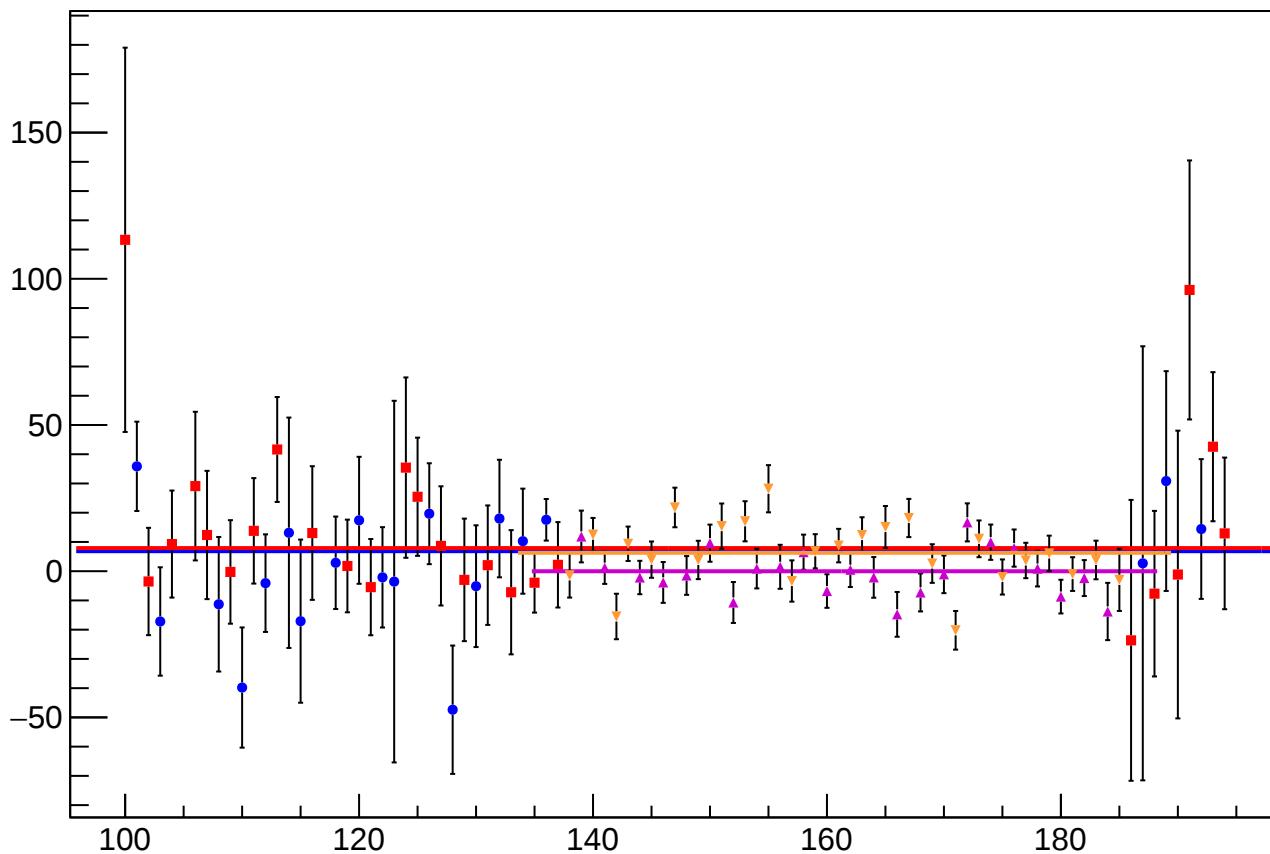
- sign -1.153 ± 0.865 χ^2/NDF : 62.8/47

diff_bpm12Y_rms vs Slug



Right In: 4184.292 ± 1.138 $\chi^2/\text{NDF}: 2298173.7/19$ + sign 4631.507 ± 0.670 $\chi^2/\text{NDF}: 4045645.6/44$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 4413.914 ± 0.452 $\chi^2/\text{NDF}: 10557520.2/9$
 Right Out: 3811.865 ± 0.938 $\chi^2/\text{NDF}: 3333554.0/24$ - sign 4232.308 ± 0.612 $\chi^2/\text{NDF}: 6318250.0/47$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 6.842 ± 4.001 χ^2/NDF : 23.0/19

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 7.903 ± 4.034 χ^2/NDF : 18.9/24

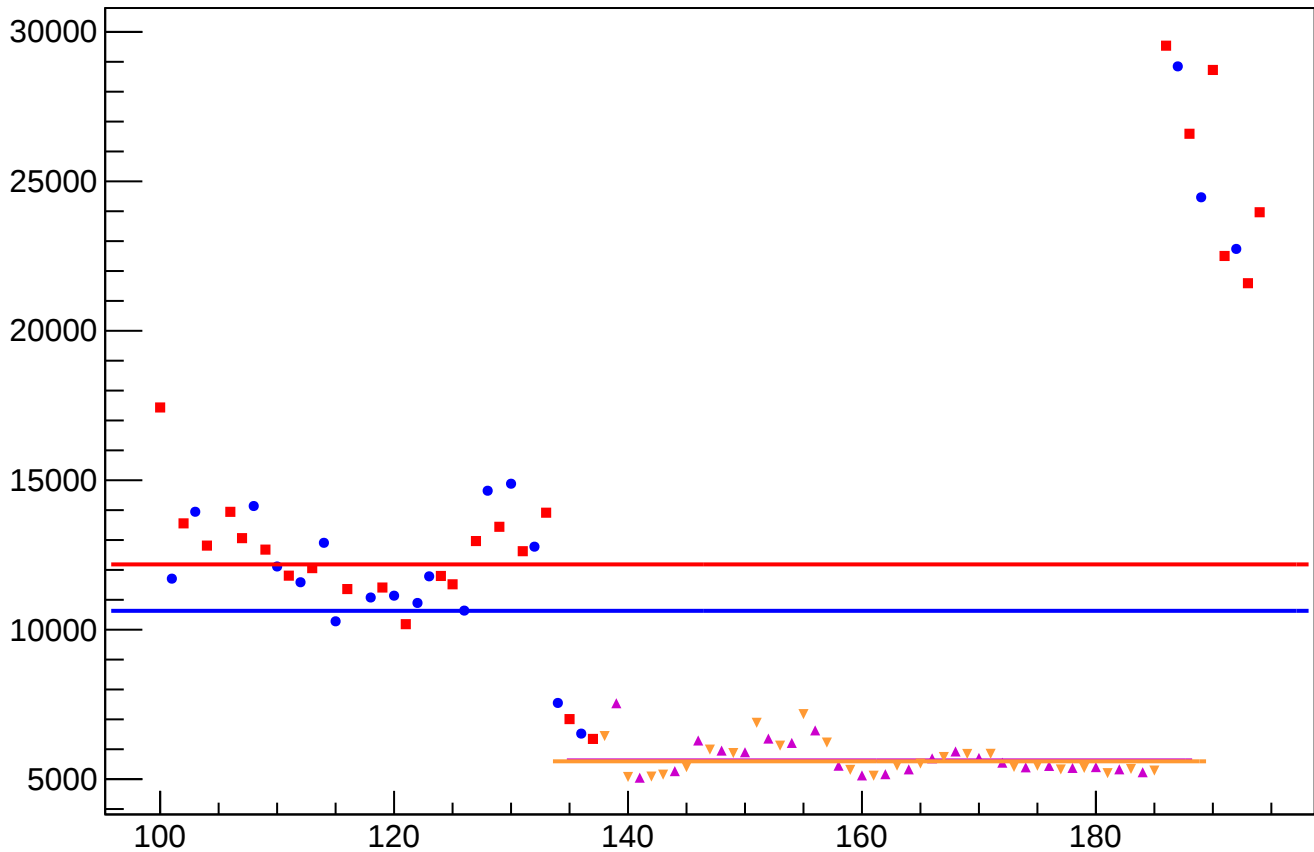
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.349 ± 1.245 χ^2/NDF : 79.5/44

All: 3.648 ± 0.893 χ^2/NDF : 141.5/92

- sign 0.781 ± 1.283 χ^2/NDF : 52.3/47

diff_bpm16X_rms vs Slug



Right In: 10631.170+/-2.829 χ^2/NDF : 1951994.1/19

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 12184.614+/-2.852 χ^2/NDF : 2736740.9/24

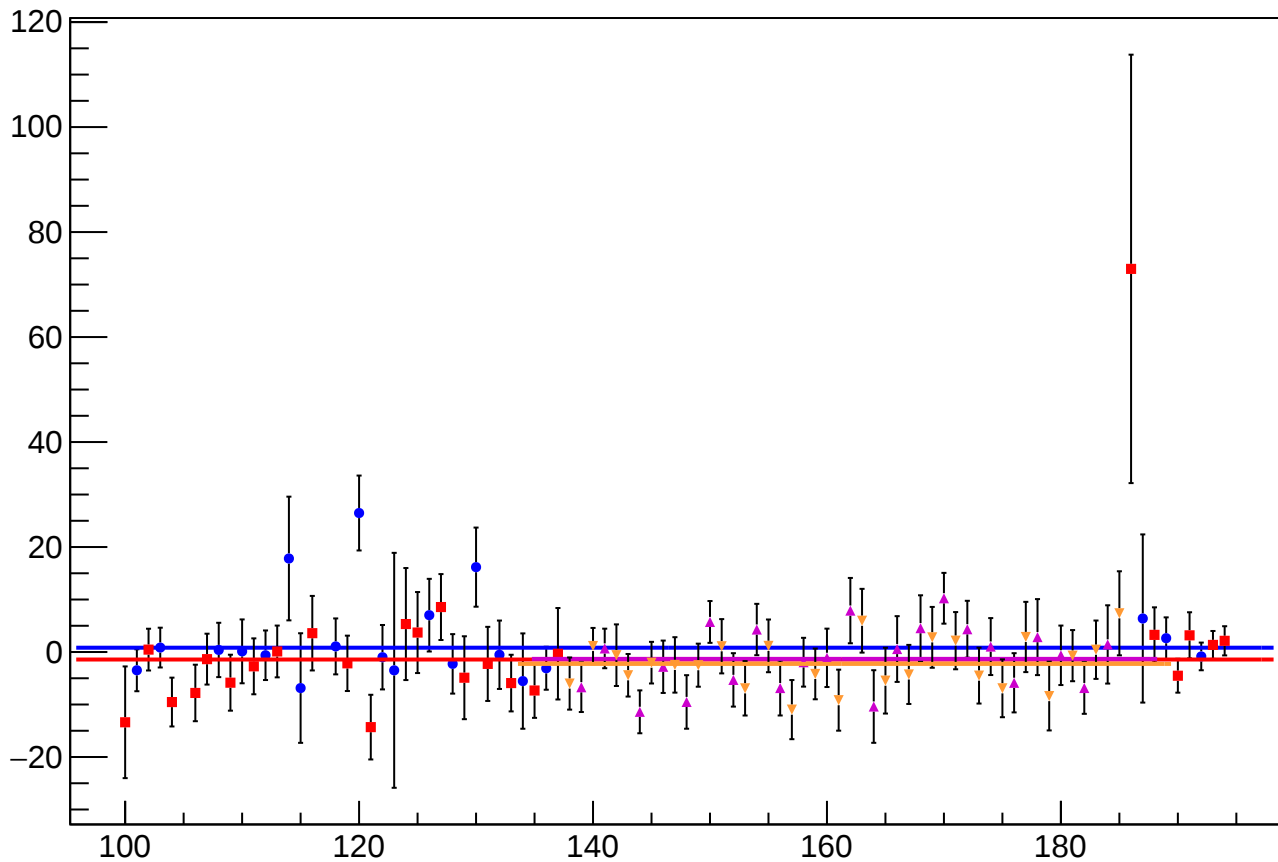
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6083.947+/-0.880 χ^2/NDF : 5096159.0/44

All: 6184.133+/-0.632 χ^2/NDF : 12889538.1/9

- sign 6290.480+/-0.907 χ^2/NDF : 7766686.0/47

diff_bpm16Y_mean vs Slug



Right In: 0.822 ± 1.180 χ^2/NDF : 24.4/19

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.429 ± 0.992 χ^2/NDF : 26.1/24

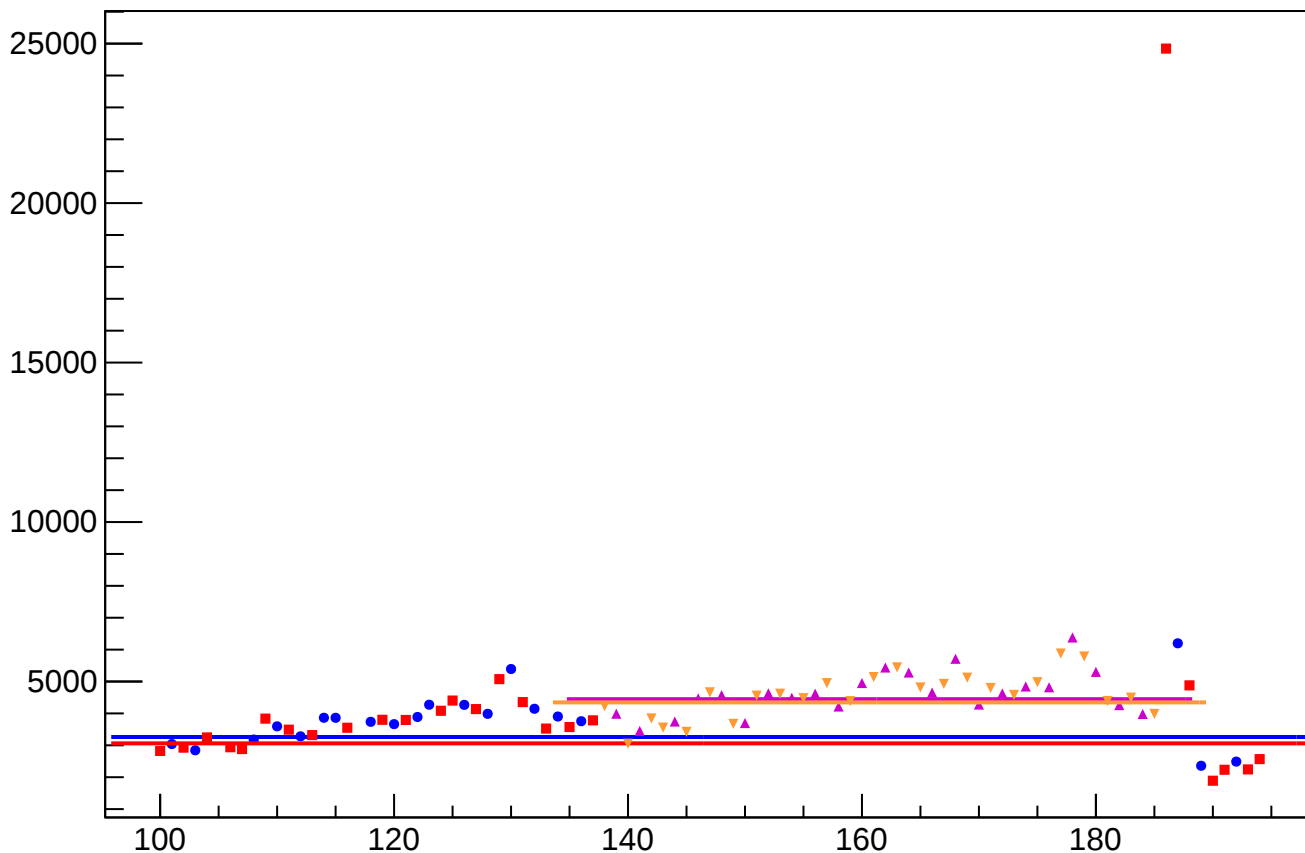
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -0.933 ± 0.776 χ^2/NDF : 43.6/44

All: -1.166 ± 0.531 χ^2/NDF : 100.7/92

- sign -1.372 ± 0.730 χ^2/NDF : 56.9/47

diff_bpm16Y_rms vs Slug



Right In: 3260.231+/-0.835 χ^2/NDF : 749656.2/19

Left Out: 4345.381+/-0.728 χ^2/NDF : 1000636.1/24

Right Out: 3061.182+/-0.701 χ^2/NDF : 1928006.4/24

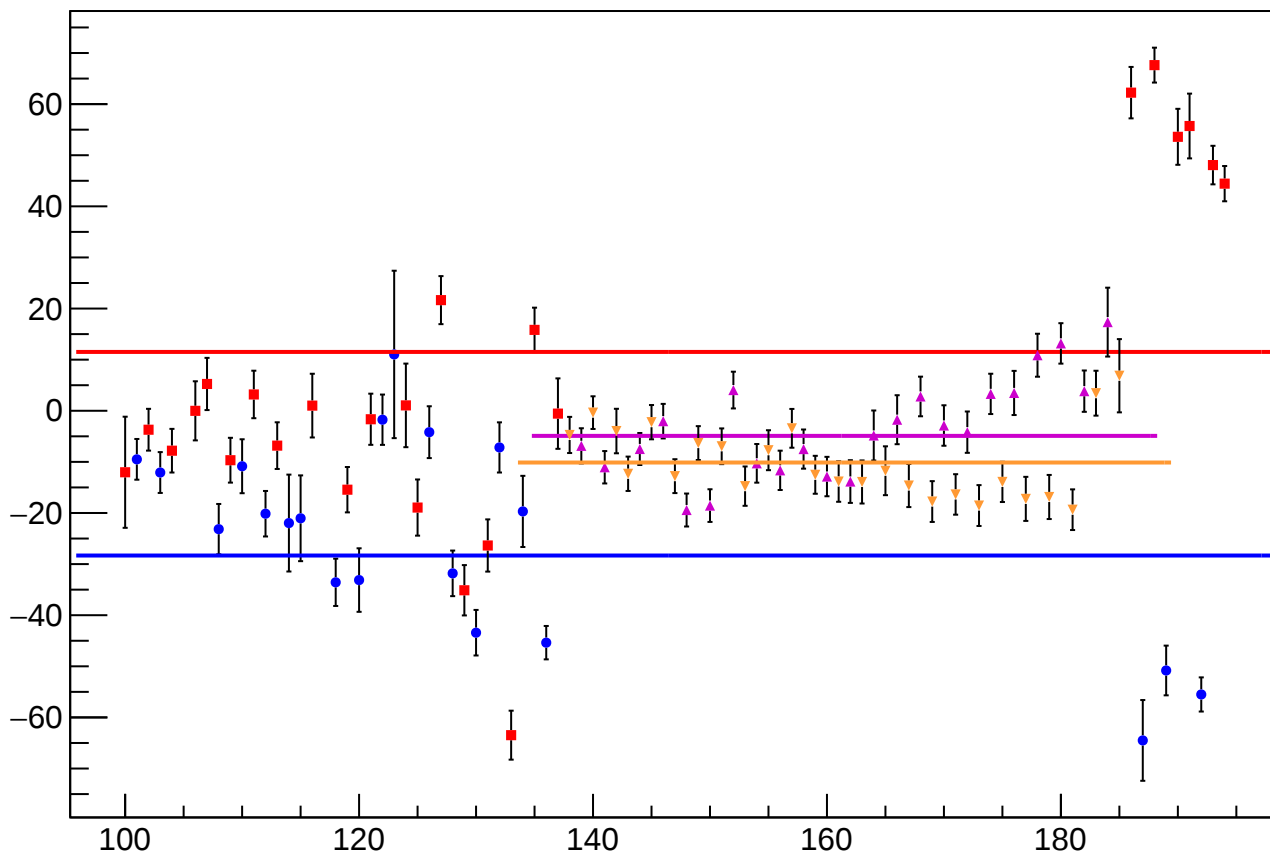
Left In: 4446.181+/-0.762 χ^2/NDF : 702797.6/22

+ sign 3876.547+/-0.549 χ^2/NDF : 2710442.9/44

All: 3781.115+/-0.376 χ^2/NDF : 7187876.9/92

- sign 3696.715+/-0.516 χ^2/NDF : 4420407.6/47

diff_bpm0l01X_mean vs Slug



Right In: -28.322 ± 1.092 χ^2/NDF : 282.9/19

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 11.513 ± 0.961 χ^2/NDF : 1229.3/24

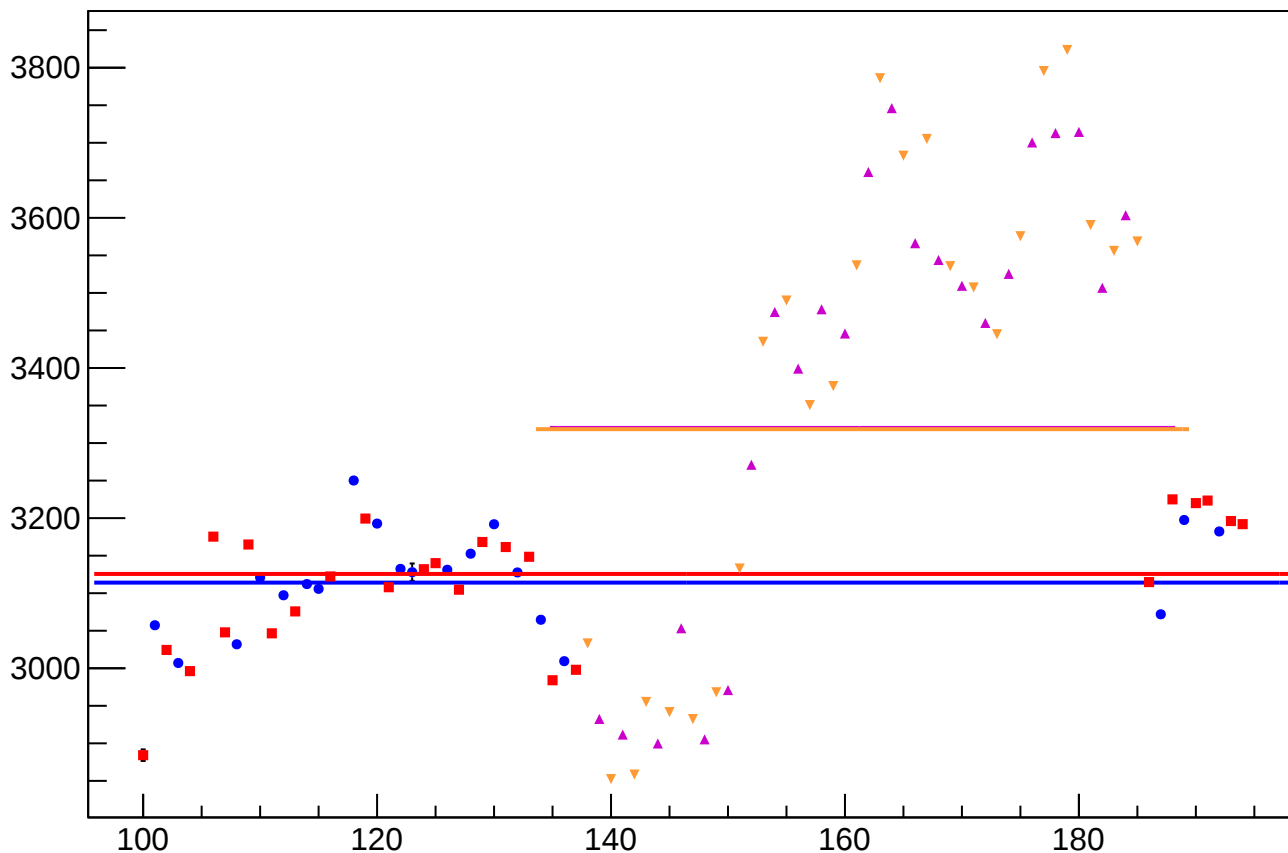
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -16.228 ± 0.632 χ^2/NDF : 535.5/44

All: -6.954 ± 0.440 χ^2/NDF : 2483.7/92

- sign 1.782 ± 0.614 χ^2/NDF : 1530.2/47

diff_bpm0l01X_rms vs Slug



Right In: 3114.103+/-0.772 χ^2/NDF : 8934.4/19

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3125.659+/-0.680 χ^2/NDF : 13588.7/24

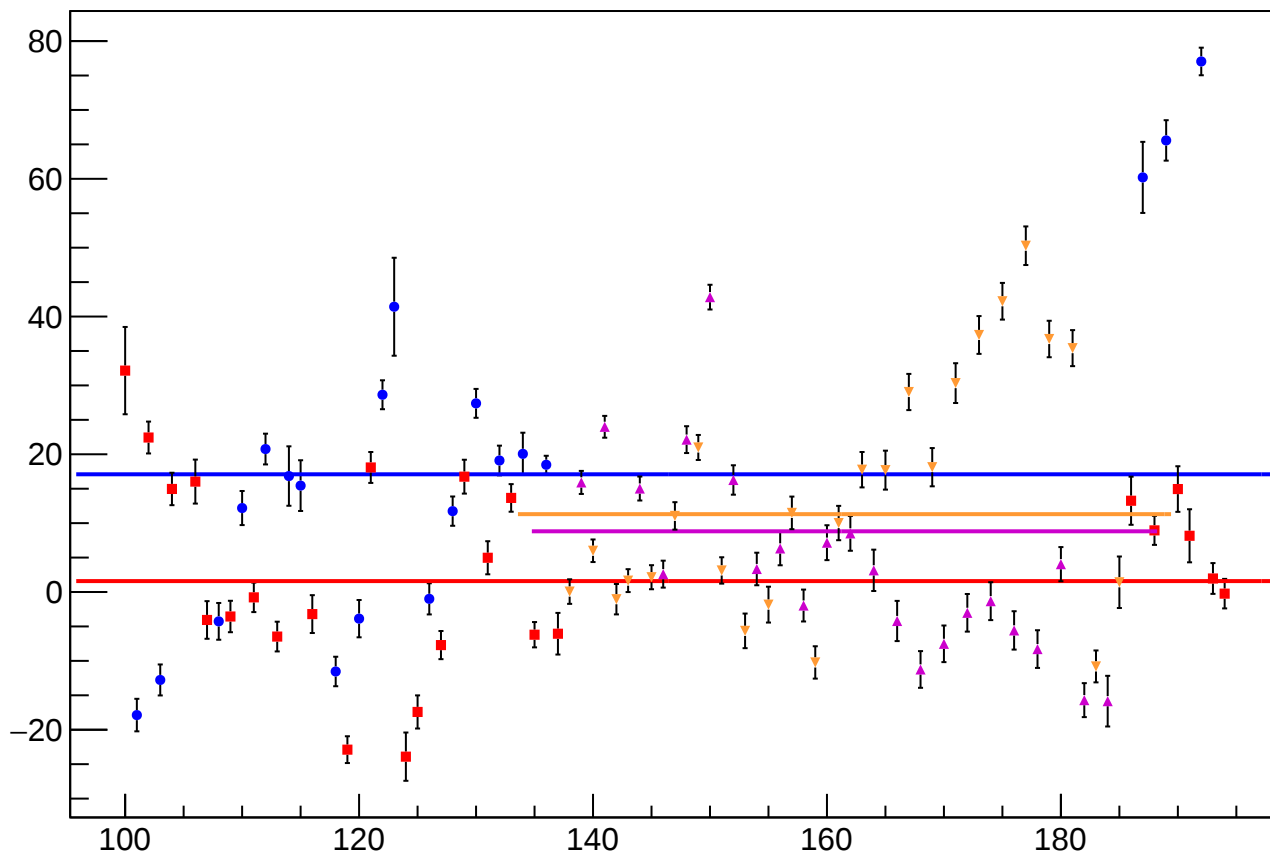
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3249.947+/-0.447 χ^2/NDF : 393237.2/44

All: 3245.288+/-0.311 χ^2/NDF : 743203.5/92

- sign 3240.900+/-0.434 χ^2/NDF : 349755.3/47

diff_bpm0l01Y_mean vs Slug



Right In: 17.093+/-0.530 χ^2/NDF : 2081.9/19

Left Out: 11.305+/-0.454 χ^2/NDF : 1144.3/24

Right Out: 1.585+/-0.487 χ^2/NDF : 677.0/24

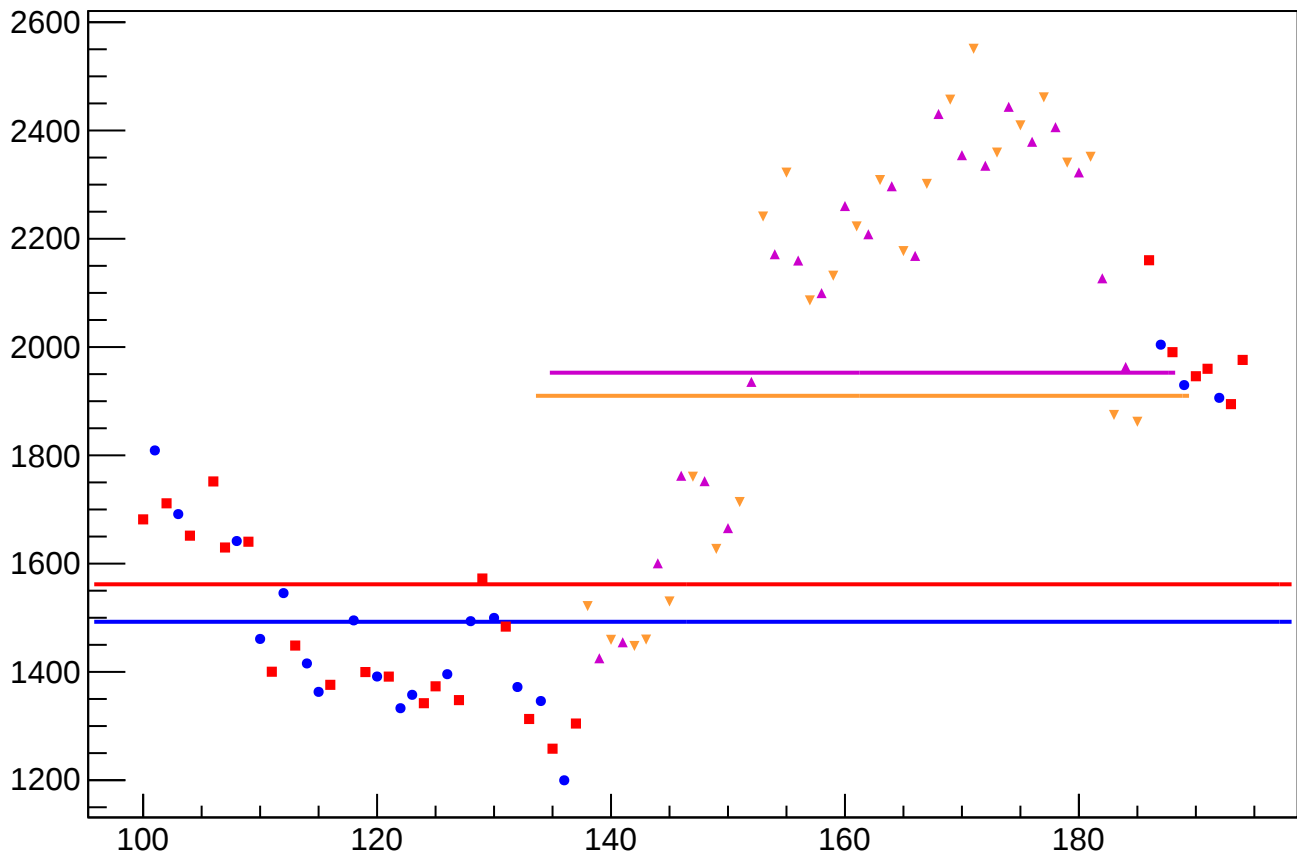
Left In: 8.815+/-0.475 χ^2/NDF : 942.2/22

+ sign 13.754+/-0.345 χ^2/NDF : 3295.0/44

All: 9.466+/-0.242 χ^2/NDF : 5332.6/92

- sign 5.288+/-0.340 χ^2/NDF : 1732.0/47

diff_bpm0l01Y_rms vs Slug



Right In: 1492.568 $\pm$ 0.375 χ^2 /NDF: 341412.2/19

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1561.805 $\pm$ 0.344 χ^2 /NDF: 526976.3/24

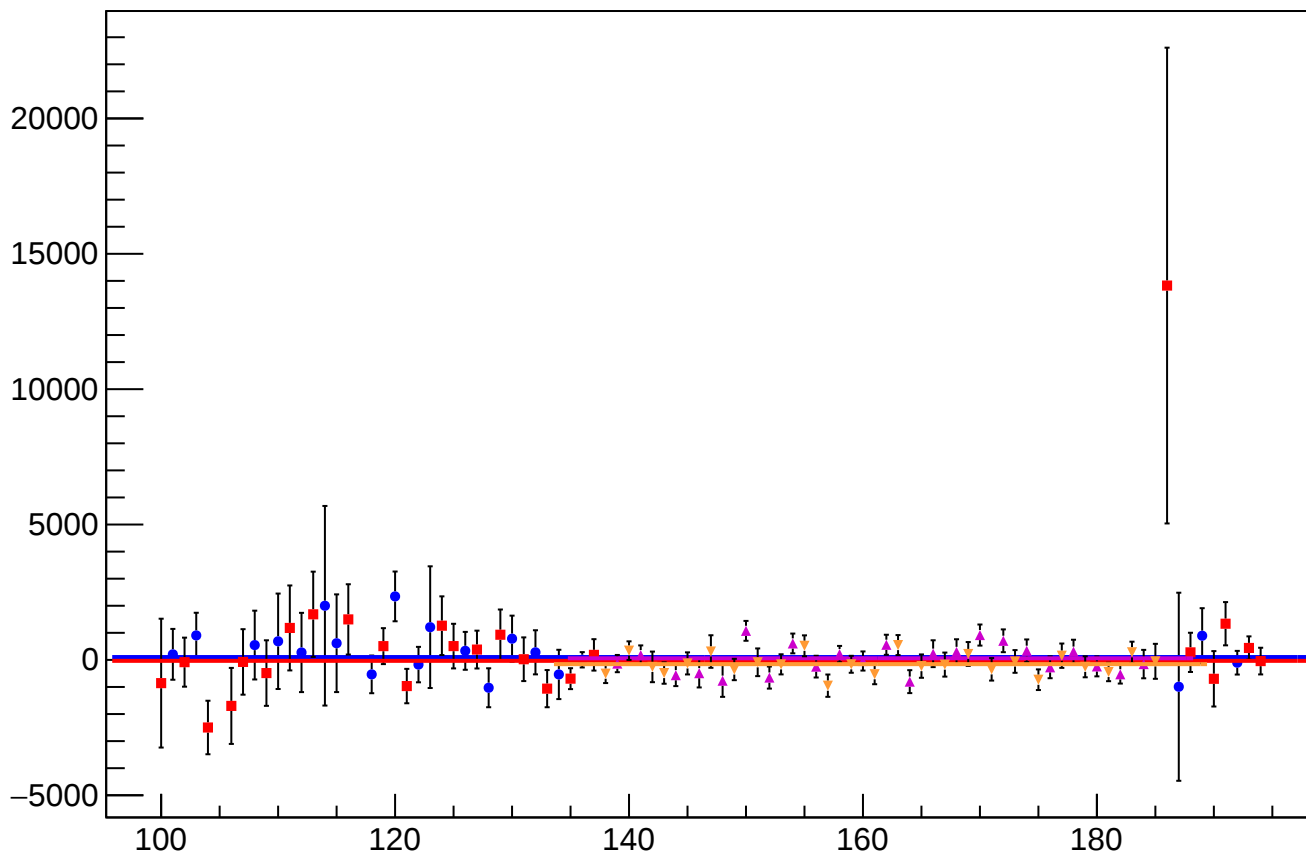
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1733.340 $\pm$ 0.244 χ^2 /NDF: 2456694.1/44

All: 1747.858 $\pm$ 0.171 χ^2 /NDF: 4715435.9/92

- sign 1762.000 $\pm$ 0.241 χ^2 /NDF: 2251738.4/47

asym_sam1_mean vs Slug



Right In: 105.464 ± 164.531 χ^2/NDF : 13.6/19

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -34.866 ± 151.955 χ^2/NDF : 29.7/24

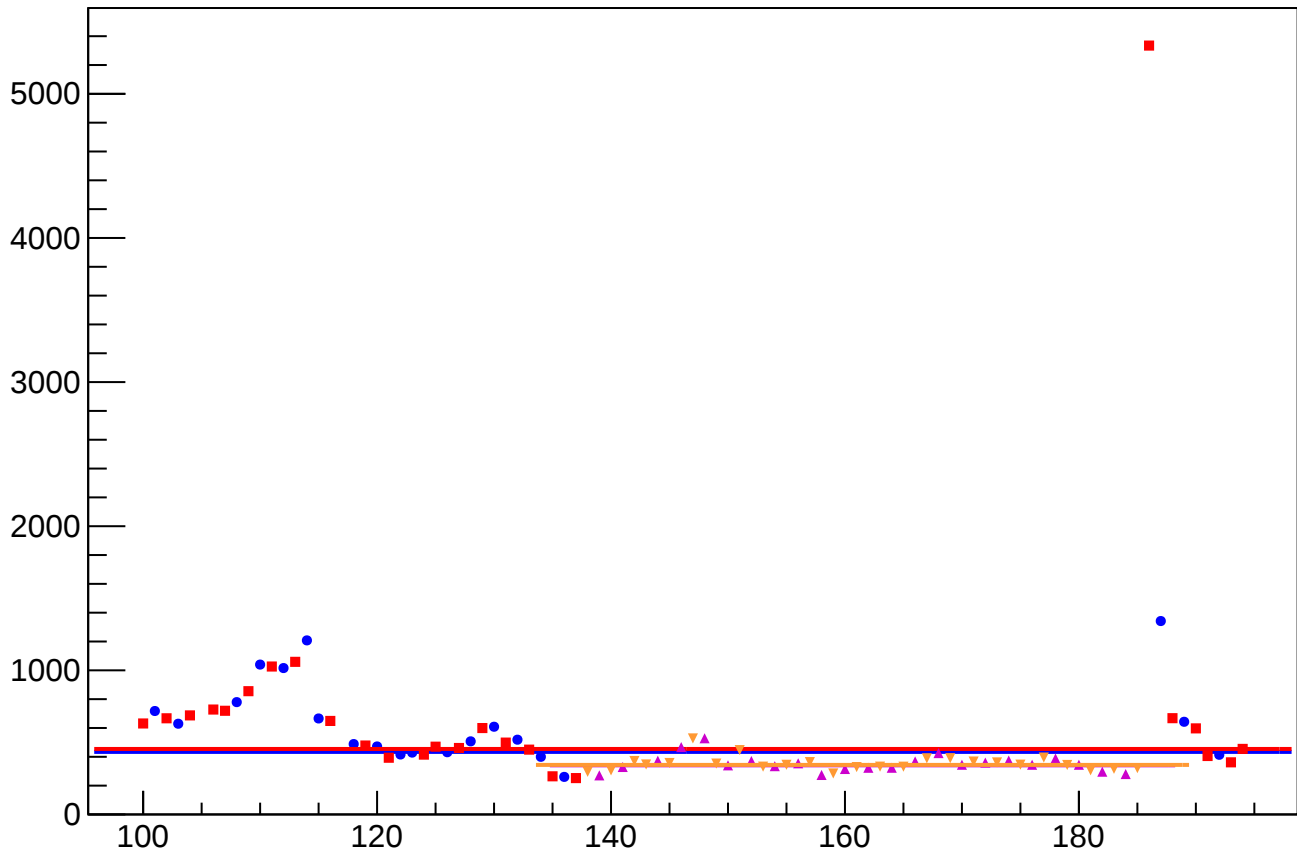
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -106.200 ± 72.523 χ^2/NDF : 37.6/44

All: -34.364 ± 51.295 χ^2/NDF : 108.2/92

- sign 37.546 ± 72.561 χ^2/NDF : 68.6/47

asym_sam1_rms vs Slug



Right In: 434.055 $\pm$ 0.116 χ^2 /NDF: 2234223.9/19

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 454.438 $\pm$ 0.107 χ^2 /NDF: 2963779.8/24

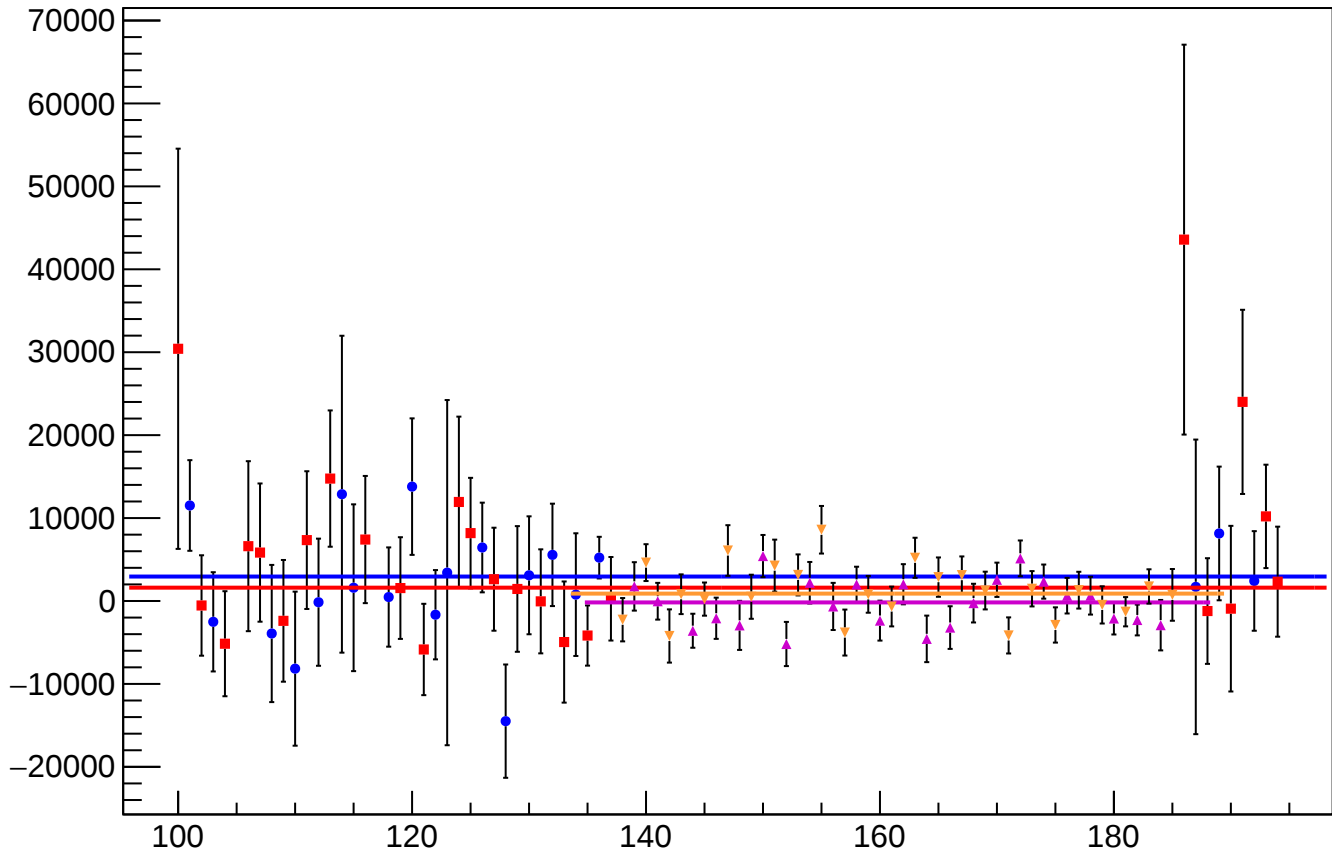
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 361.341 $\pm$ 0.051 χ^2 /NDF: 3258488.4/44

All: 364.055 $\pm$ 0.036 χ^2 /NDF: 7814861.3/92

- sign 366.770 $\pm$ 0.051 χ^2 /NDF: 4550771.9/47

asym_sam2_mean vs Slug



Right In: 2948.689 $\pm$ 1384.894 χ^2 /NDF: 17.0/19

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF:38.0/24

Right Out: 1607.662 $\pm$ 1373.498 χ^2 /NDF: 23.8/24

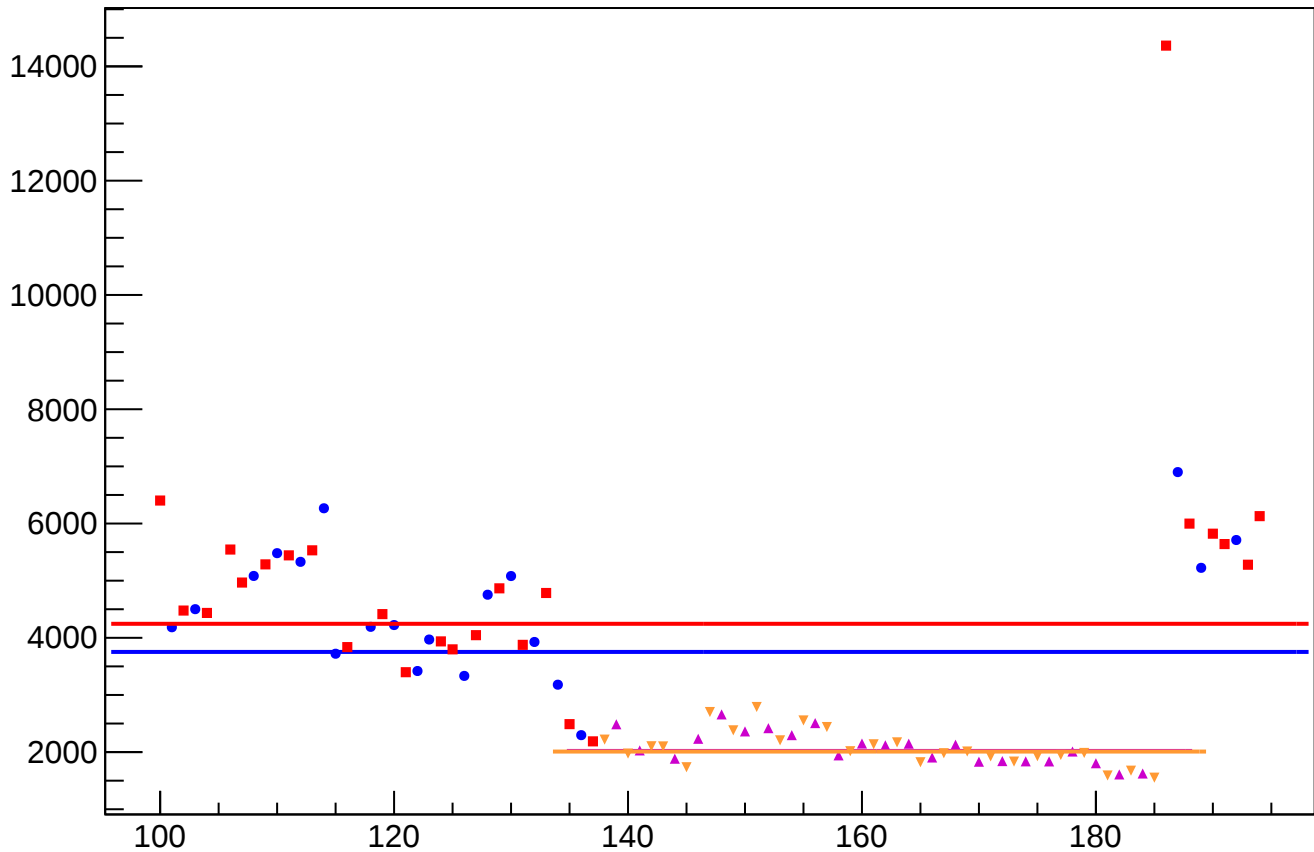
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF:33.2/22

+ sign 1105.629 $\pm$ 447.835 χ^2 /NDF: 56.9/44

All: 580.729 $\pm$ 320.846 χ^2 /NDF: 118.2/92

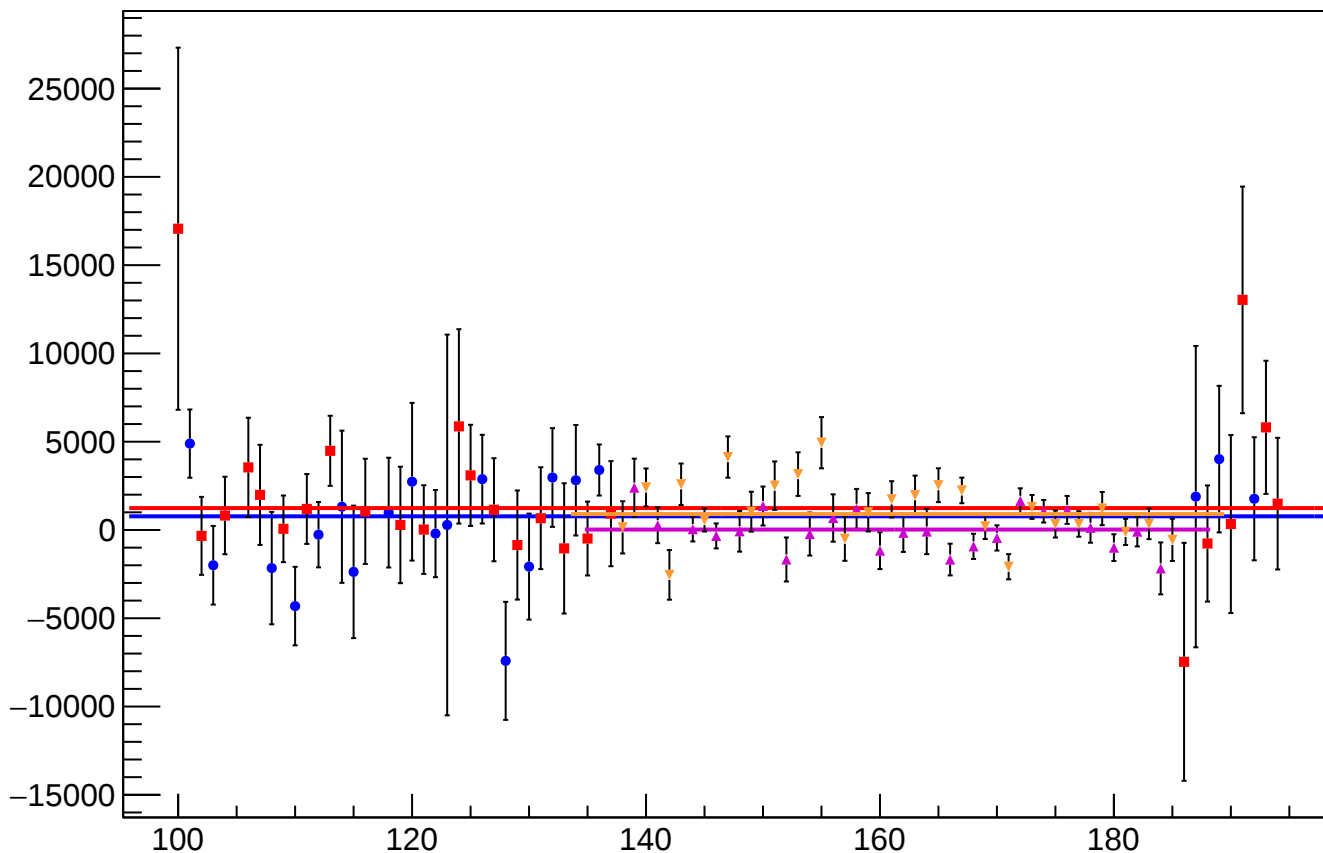
- sign 27.178 $\pm$ 459.895 χ^2 /NDF: 58.5/47

asym_sam2_rms vs Slug



Right In: 3753.155 ± 0.979 $\chi^2/\text{NDF}: 1461869.0/19$ + sign 2191.950 ± 0.317 $\chi^2/\text{NDF}: 5010320.1/44$
 Left Out: 2009.631 ± 0.335 $\chi^2/\text{NDF}: 709977.6/24$ All: 2229.846 ± 0.227 $\chi^2/\text{NDF}: 12191398.8/5$
 Right Out: 4245.291 ± 0.971 $\chi^2/\text{NDF}: 1918426.4/24$ - sign 2269.811 ± 0.325 $\chi^2/\text{NDF}: 7151653.8/47$
 Left In: 2020.365 ± 0.345 $\chi^2/\text{NDF}: 573483.0/22$

asym_sam3_mean vs Slug



Right In: 773.939 $\pm$ 604.720 χ^2 /NDF: 26.2/19

Left Out: 902.091 $\pm$ 185.850 χ^2 /NDF: 63.5/24

Right Out: 1240.214 $\pm$ 571.822 χ^2 /NDF: 16.7/24

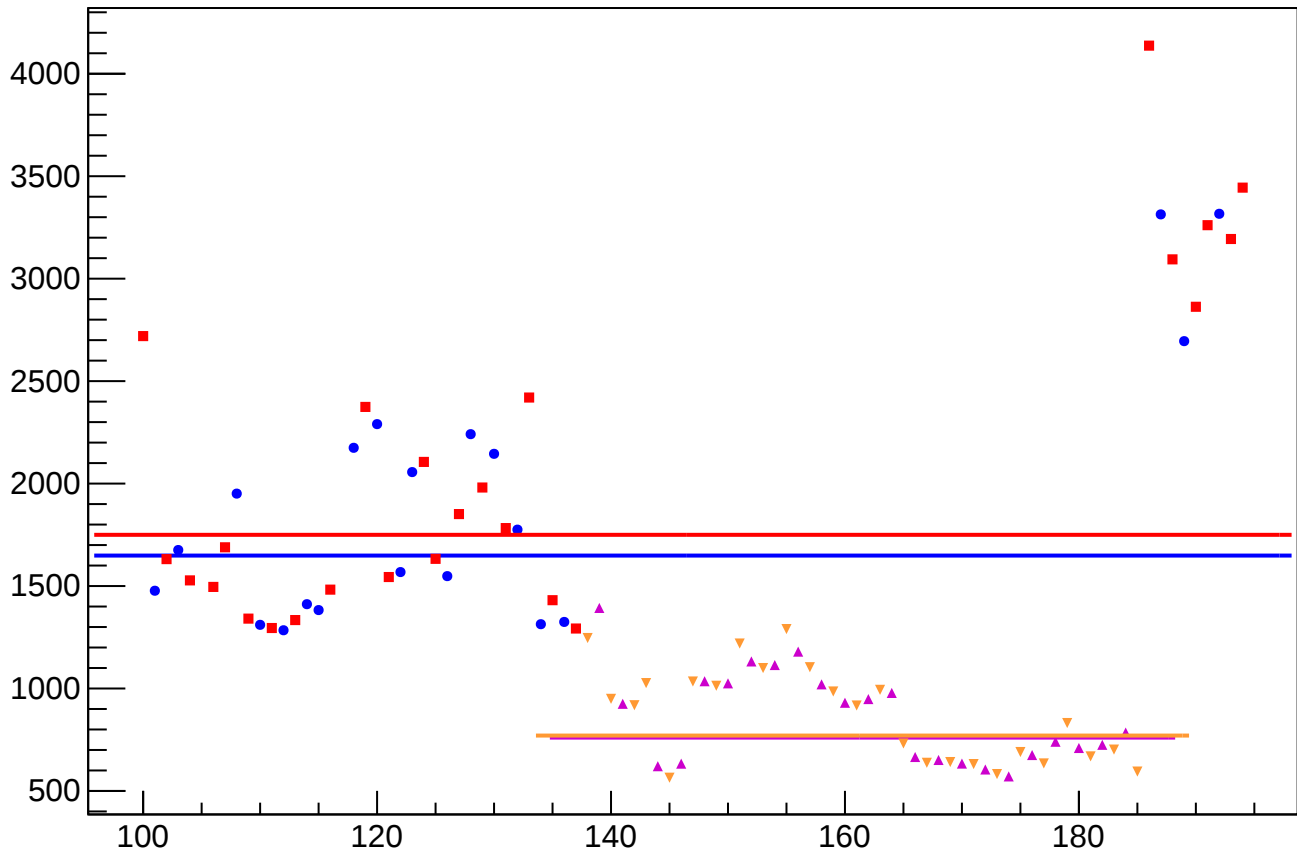
Left In: 23.529 $\pm$ 188.137 χ^2 /NDF: 28.2/22

+ sign 891.032 $\pm$ 177.650 χ^2 /NDF: 89.8/44

All: 518.934 $\pm$ 125.991 χ^2 /NDF: 147.6/92

- sign 142.370 $\pm$ 178.712 χ^2 /NDF: 49.0/47

asym_sam3_rms vs Slug



Right In: 1648.699 $\pm$ 0.428 χ^2 /NDF: 1186745.7/19

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 1749.940 $\pm$ 0.404 χ^2 /NDF: 2134820.8/24

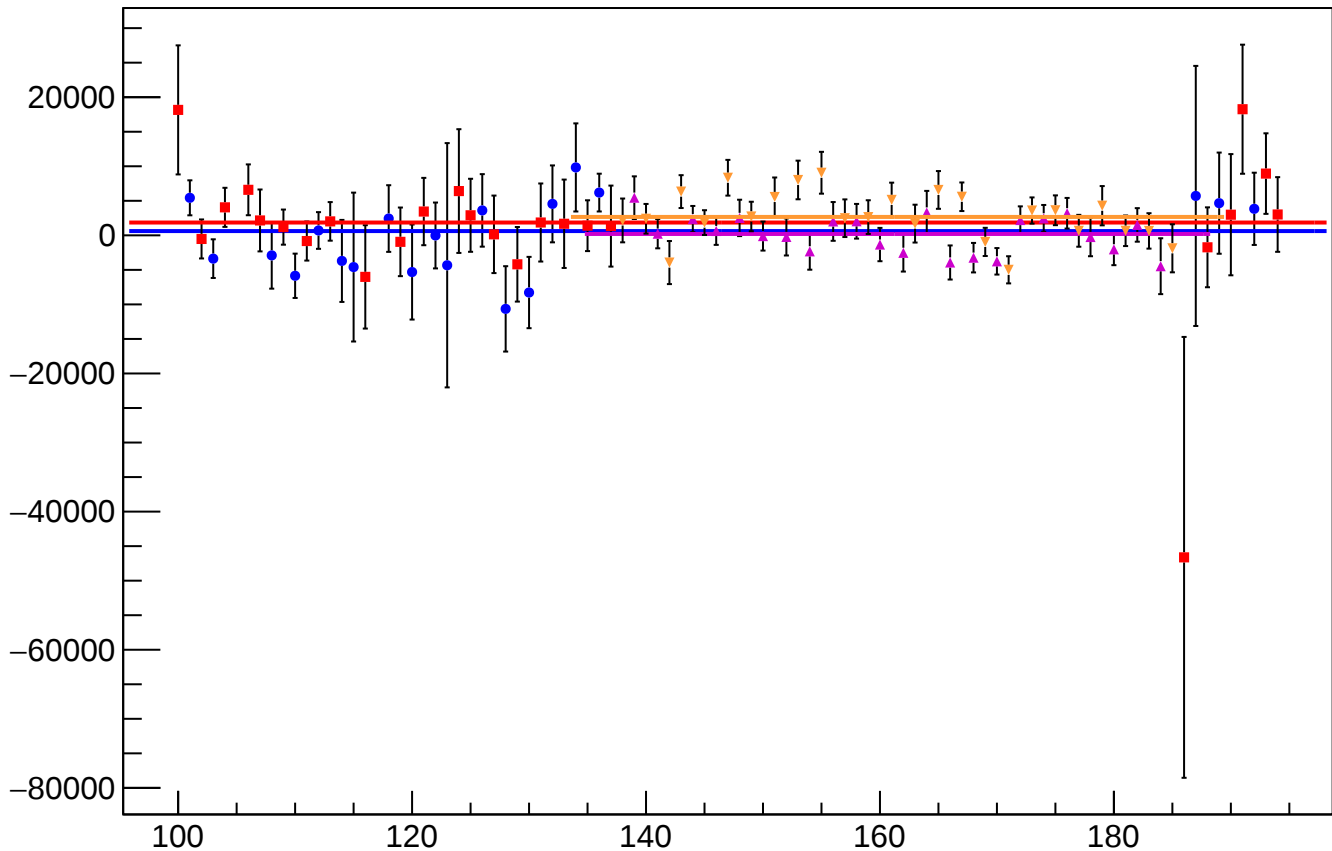
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 846.126 $\pm$ 0.126 χ^2 /NDF: 7329969.9/44

All: 851.536 $\pm$ 0.089 χ^2 /NDF: 16860075.5/92

- sign 857.011 $\pm$ 0.126 χ^2 /NDF: 9526373.6/47

asym_sam4_mean vs Slug



Right In: 617.743 ± 970.399 χ^2/NDF : 26.1/19

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 1854.796 ± 881.915 χ^2/NDF : 17.5/24

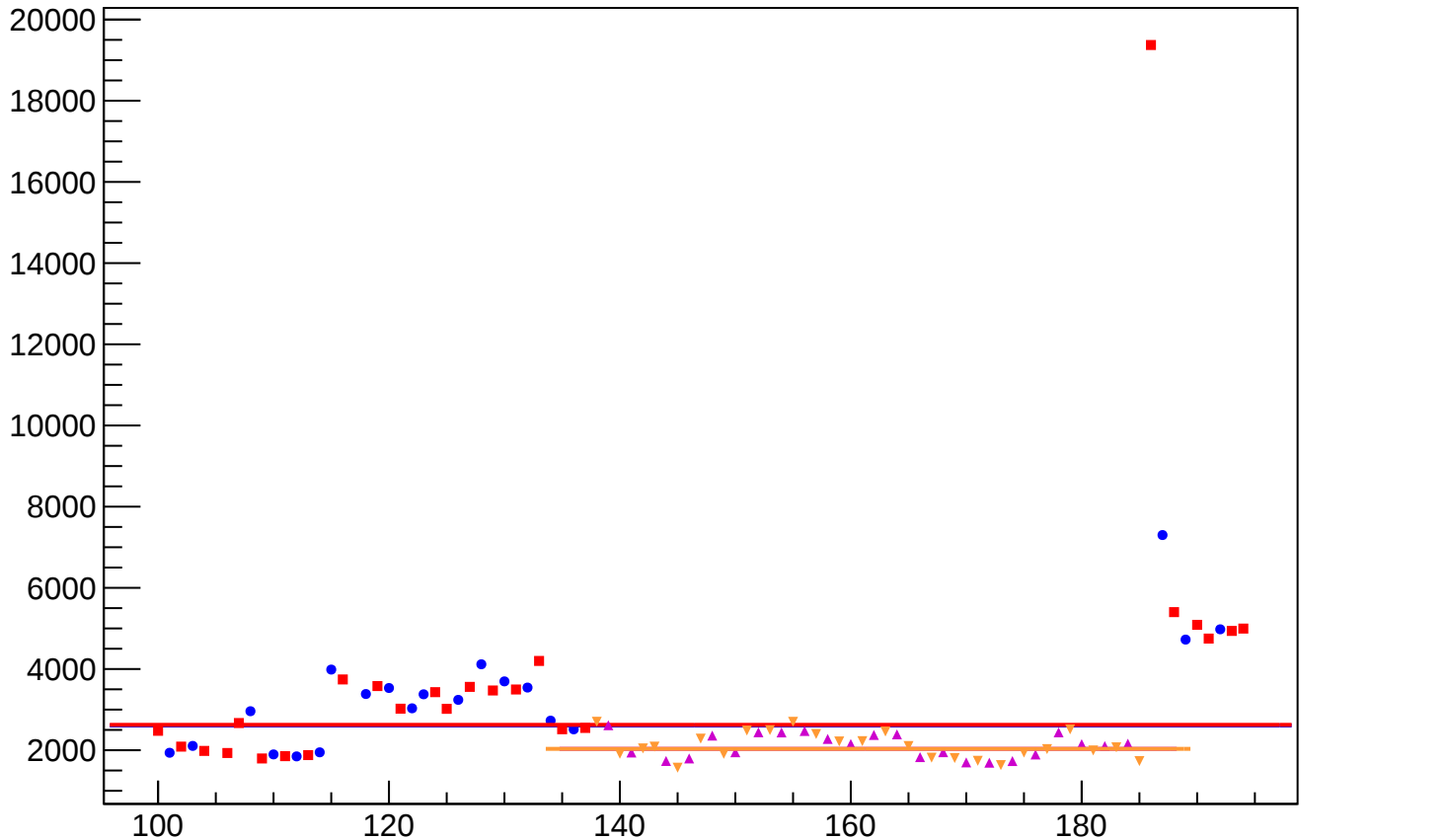
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2263.339 ± 430.080 χ^2/NDF : 78.9/44

All: 1427.159 ± 303.984 χ^2/NDF : 132.4/92

- sign 592.394 ± 429.716 χ^2/NDF : 46.0/47

asym_sam4_rms vs Slug



Right In: 2608.053 $\pm$ 0.686 χ^2 /NDF: 1641024.8/19

Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24

Right Out: 2625.207 $\pm$ 0.624 χ^2 /NDF: 3157929.1/24

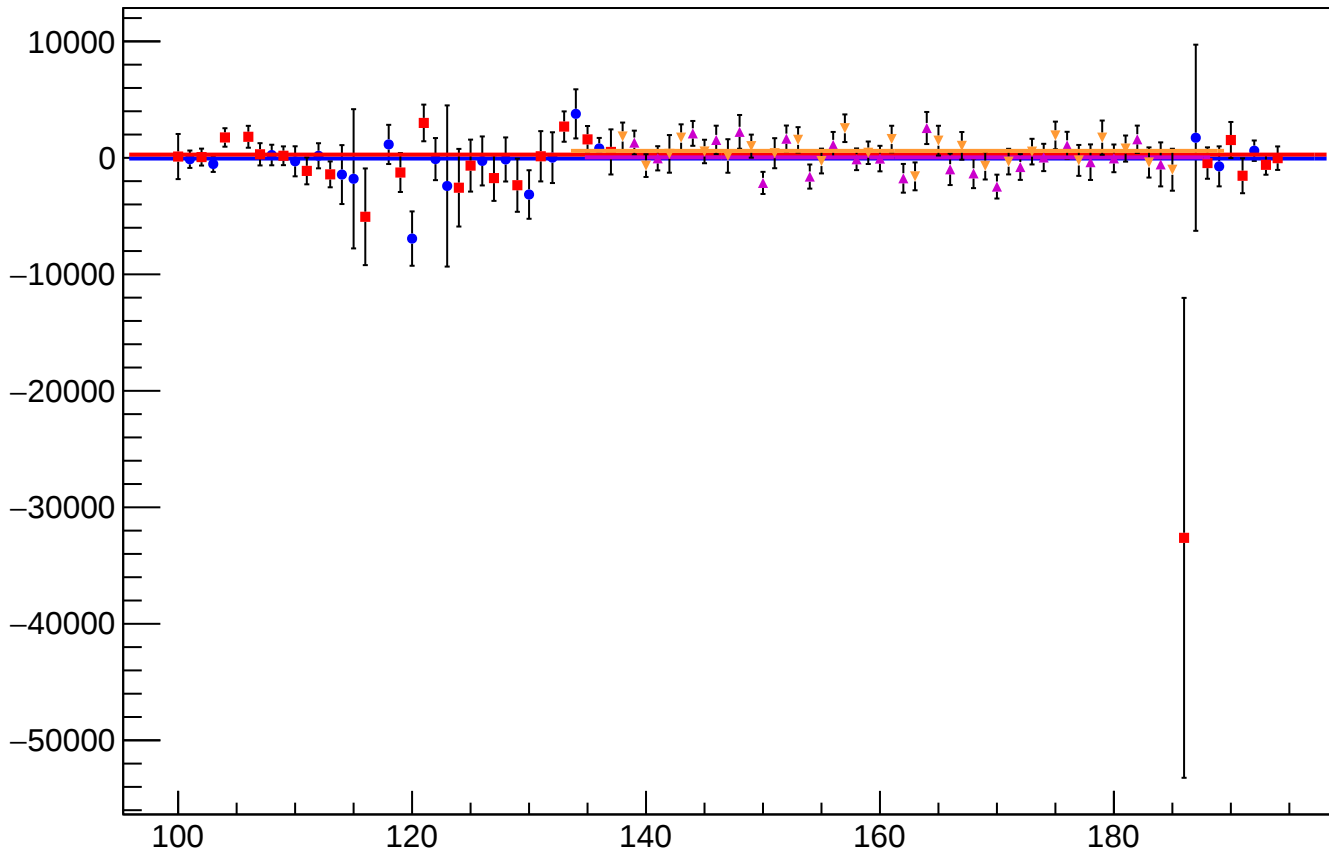
Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

+ sign 2146.226 $\pm$ 0.304 χ^2 /NDF: 3028806.5/44

All: 2159.792 $\pm$ 0.215 χ^2 /NDF: 7531997.9/92

- sign 2173.336 $\pm$ 0.304 χ^2 /NDF: 4499214.6/47

asym_sam5_mean vs Slug



Right In: -57.823 ± 290.918 χ^2/NDF : 17.6/19

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 279.002 ± 248.065 χ^2/NDF : 29.6/24

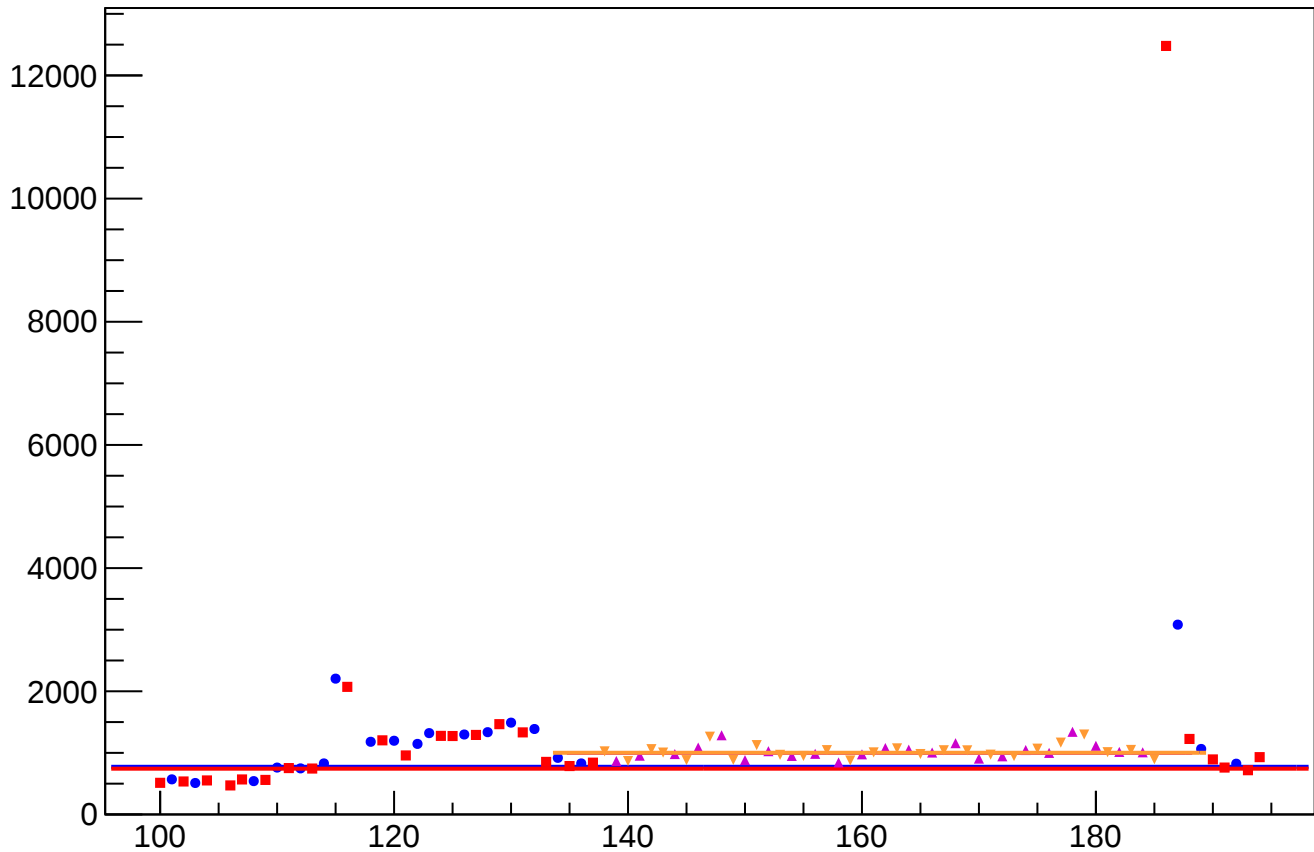
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 340.295 ± 182.793 χ^2/NDF : 39.2/44

All: 243.365 ± 125.566 χ^2/NDF : 106.2/92

- sign 156.757 ± 172.785 χ^2/NDF : 66.5/47

asym_sam5_rms vs Slug



Right In: 773.888 $\pm$ 0.206 χ^2 /NDF: 1927384.1/19

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 743.256 $\pm$ 0.175 χ^2 /NDF: 2726816.3/24

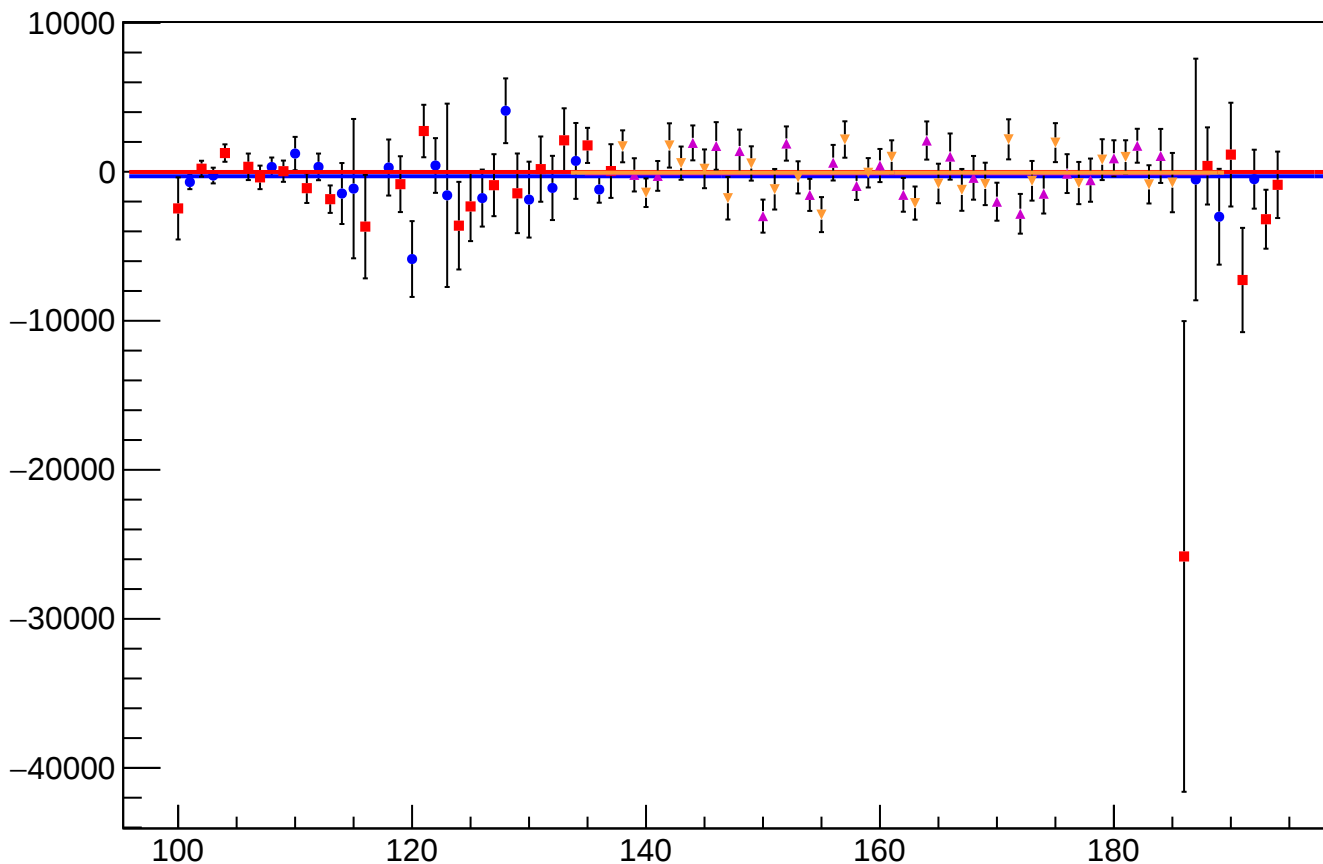
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 911.622 $\pm$ 0.129 χ^2 /NDF: 3038428.4/44

All: 891.983 $\pm$ 0.089 χ^2 /NDF: 7299921.2/92

- sign 874.435 $\pm$ 0.122 χ^2 /NDF: 4217777.2/47

asym_sam6_mean vs Slug



Right In: -303.038 ± 247.835 χ^2/NDF : 16.5/19

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -14.753 ± 240.628 χ^2/NDF : 31.5/24

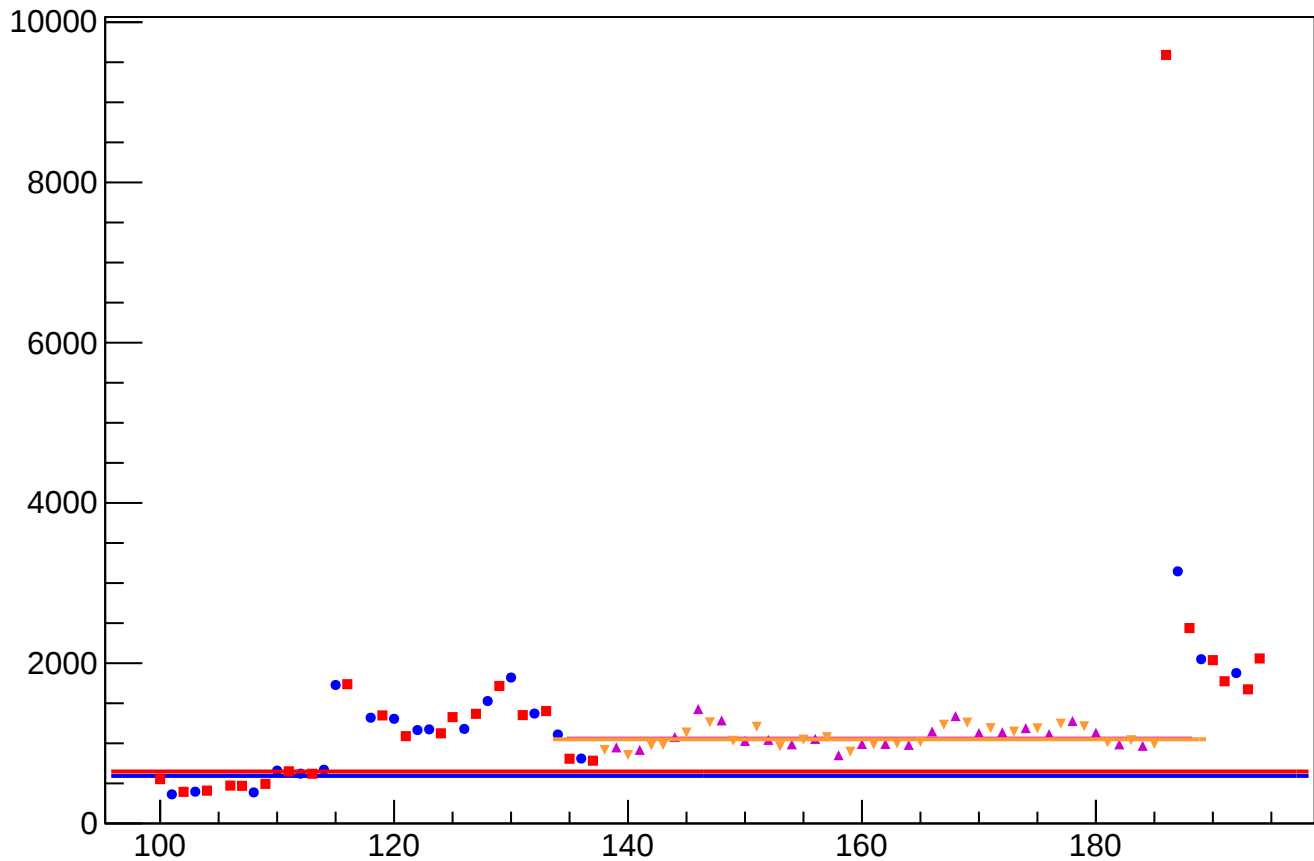
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -180.778 ± 174.773 χ^2/NDF : 48.0/44

All: -120.850 ± 123.714 χ^2/NDF : 114.7/92

- sign -60.668 ± 175.142 χ^2/NDF : 66.5/47

asym_sam6_rms vs Slug



Right In: 593.253+/-0.175 χ^2/NDF : 4695648.3/19

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 648.341+/-0.170 χ^2/NDF : 6411167.0/24

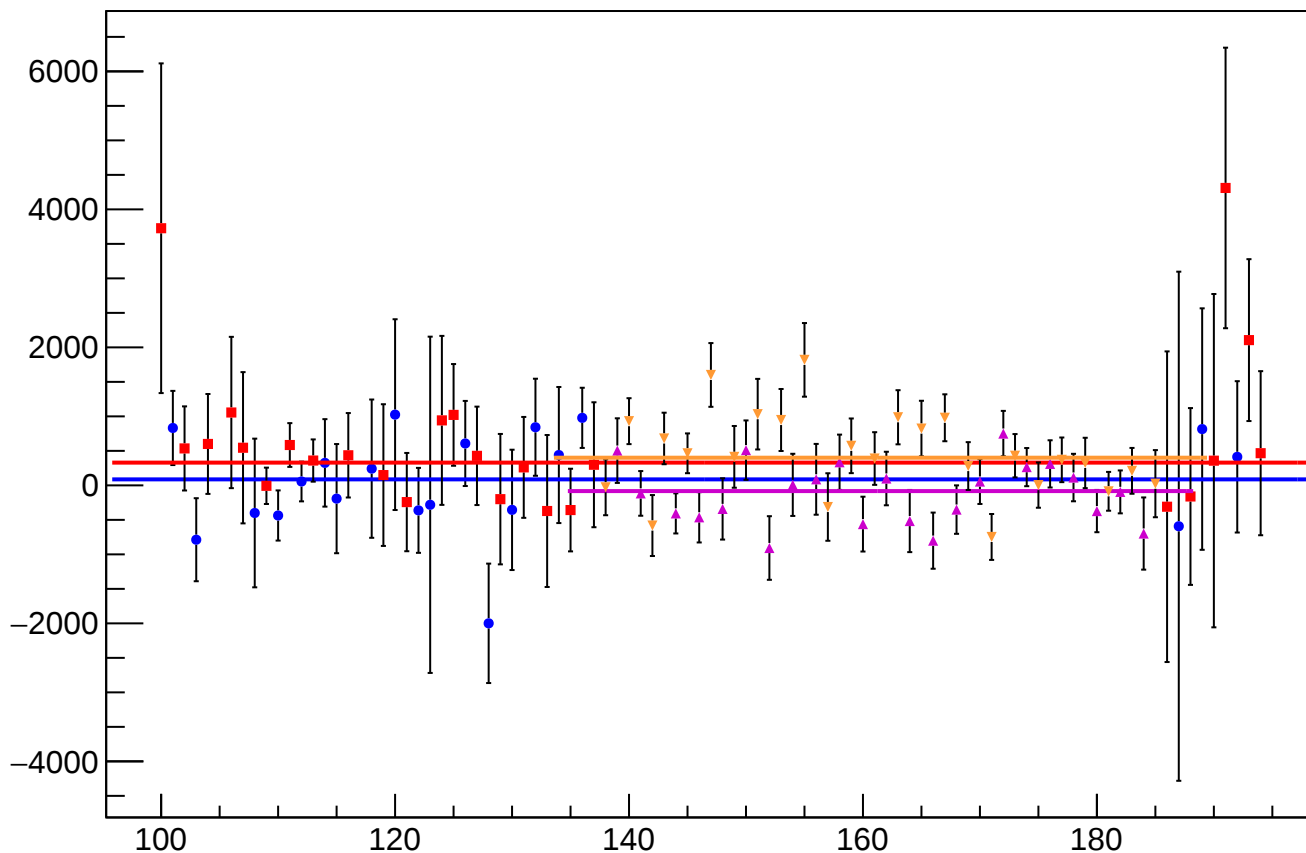
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 823.183+/-0.124 χ^2/NDF : 8603271.4/44

All: 832.083+/-0.087 χ^2/NDF : 18280475.8/92

- sign 841.020+/-0.124 χ^2/NDF : 9666810.9/47

asym_sam7_mean vs Slug



Right In: 86.851 ± 141.493 $\chi^2/\text{NDF}: 20.2/19$

Left Out: 400.988 ± 74.546 $\chi^2/\text{NDF}: 52.1/24$

Right Out: 329.727 ± 127.005 $\chi^2/\text{NDF}: 15.3/24$

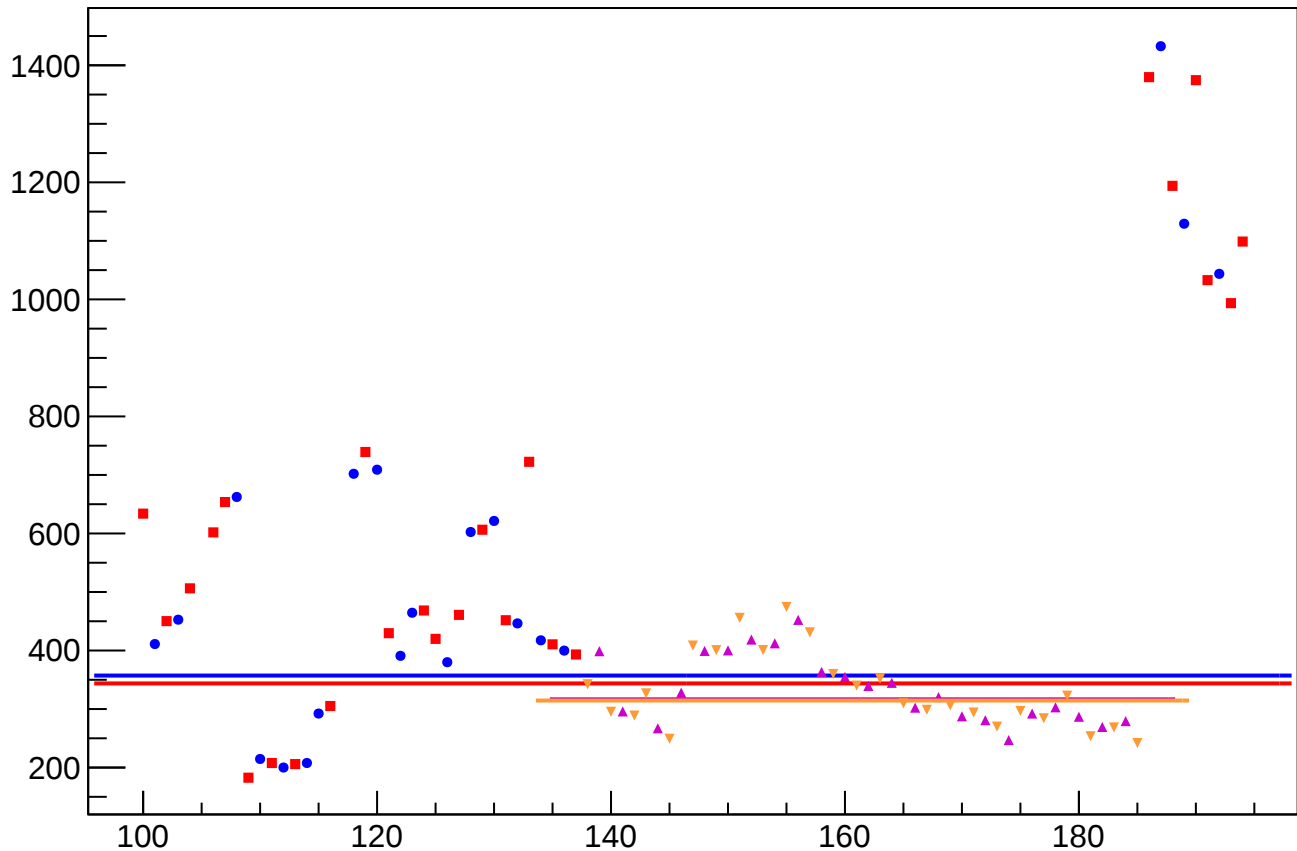
Left In: -82.890 ± 76.904 $\chi^2/\text{NDF}: 29.0/22$

+ sign 332.736 ± 65.953 $\chi^2/\text{NDF}: 76.1/44$

All: 179.882 ± 46.576 $\chi^2/\text{NDF}: 138.8/92$

- sign 27.809 ± 65.784 $\chi^2/\text{NDF}: 52.0/47$

asym_sam7_rms vs Slug



Right In: 357.217 $\pm$ 0.100 χ^2 /NDF: 3383674.0/19

Left Out: 314.538 $\pm$ 0.053 χ^2 /NDF: 1112445.6/24

Right Out: 343.751 $\pm$ 0.090 χ^2 /NDF: 6196050.8/24

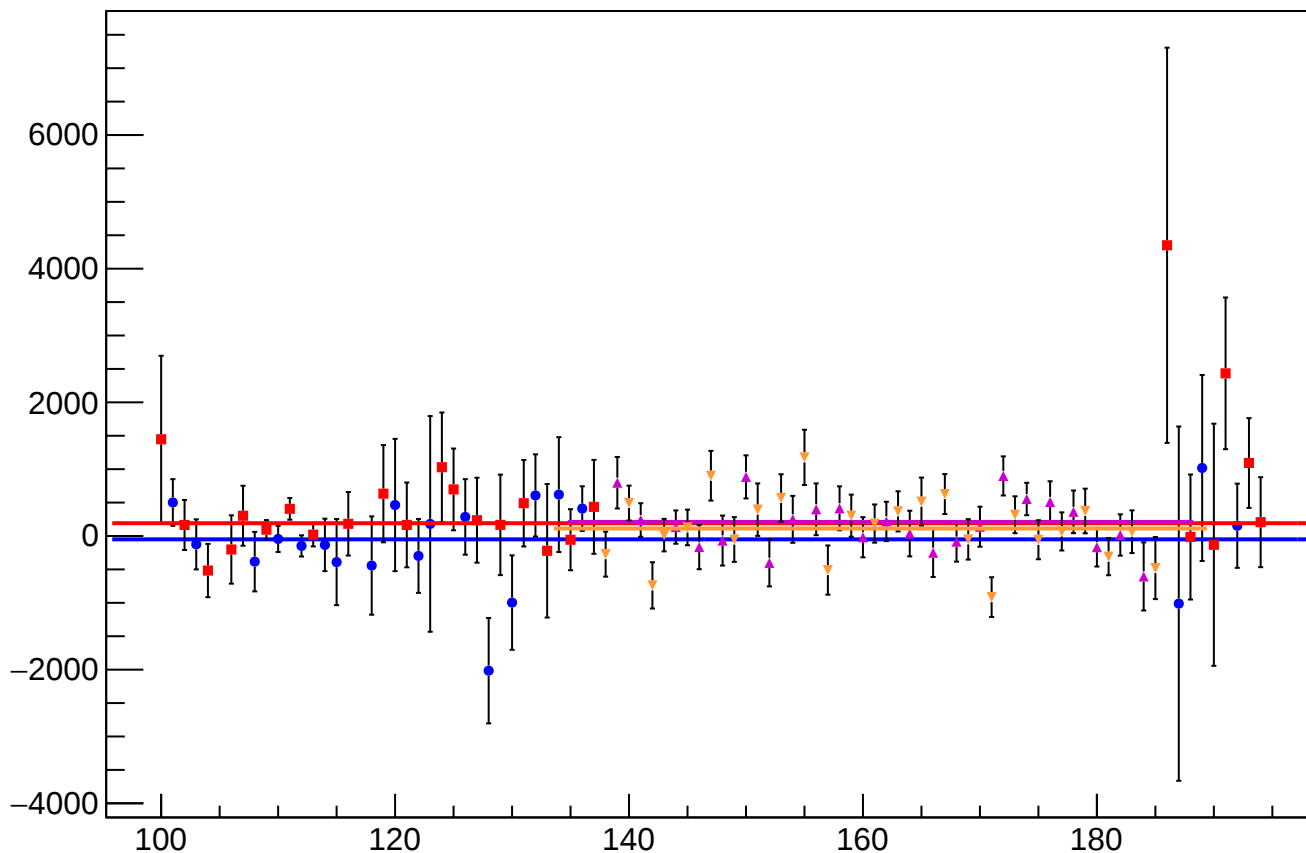
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF: 920874.0/22

+ sign 323.811 $\pm$ 0.047 χ^2 /NDF: 4638547.9/44

All: 323.865 $\pm$ 0.033 χ^2 /NDF: 11822127.4/92

- sign 323.919 $\pm$ 0.047 χ^2 /NDF: 7183576.9/47

asym_sam8_mean vs Slug



Right In: -50.220 ± 89.531 χ^2/NDF : 17.4/19

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 191.500 ± 75.471 χ^2/NDF : 18.6/24

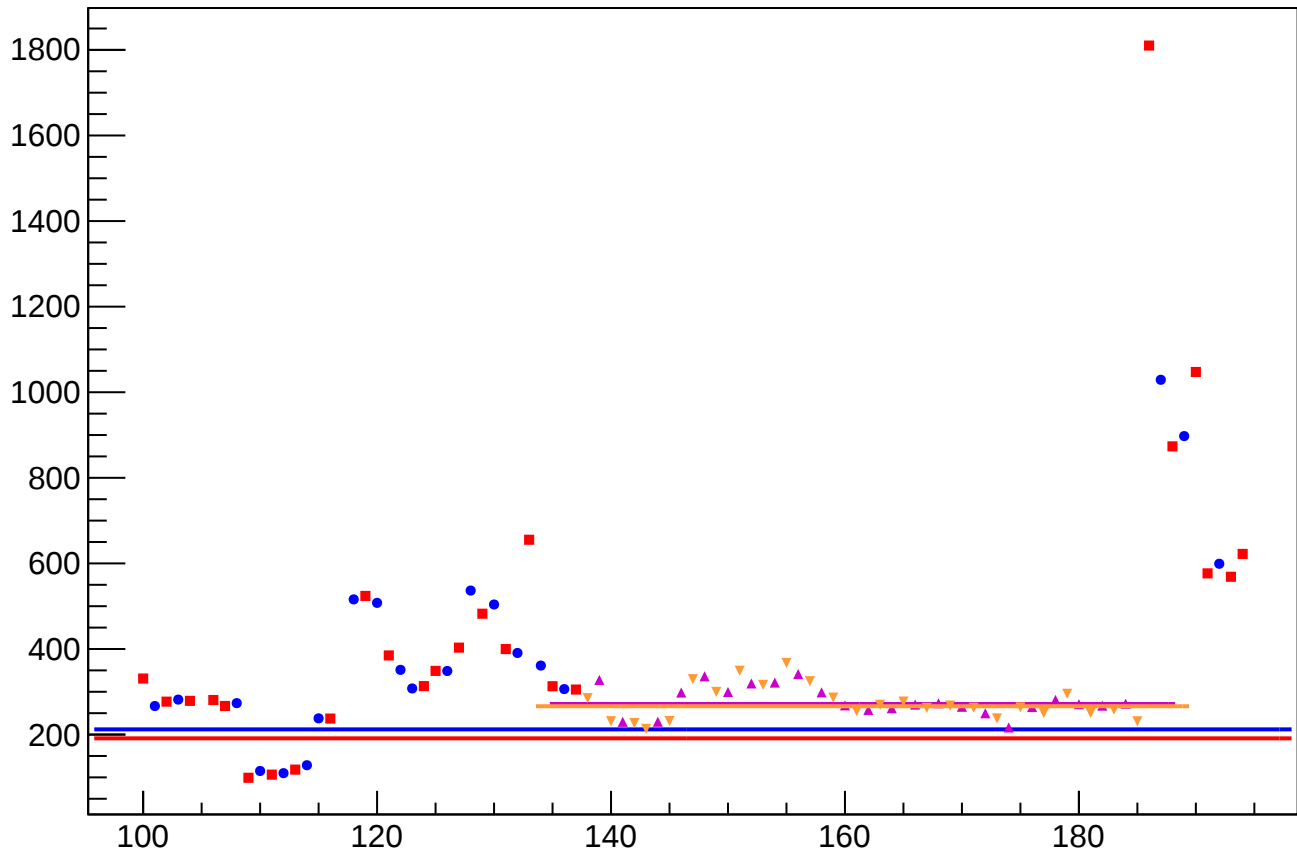
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 58.847 ± 51.327 χ^2/NDF : 68.8/44

All: 133.217 ± 35.620 χ^2/NDF : 120.7/92

- sign 202.309 ± 49.472 χ^2/NDF : 47.8/47

asym_sam8_rms vs Slug



Right In: 212.178+/-0.063 χ^2/NDF : 4846654.5/19

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 191.175+/-0.053 χ^2/NDF : 8006473.6/24

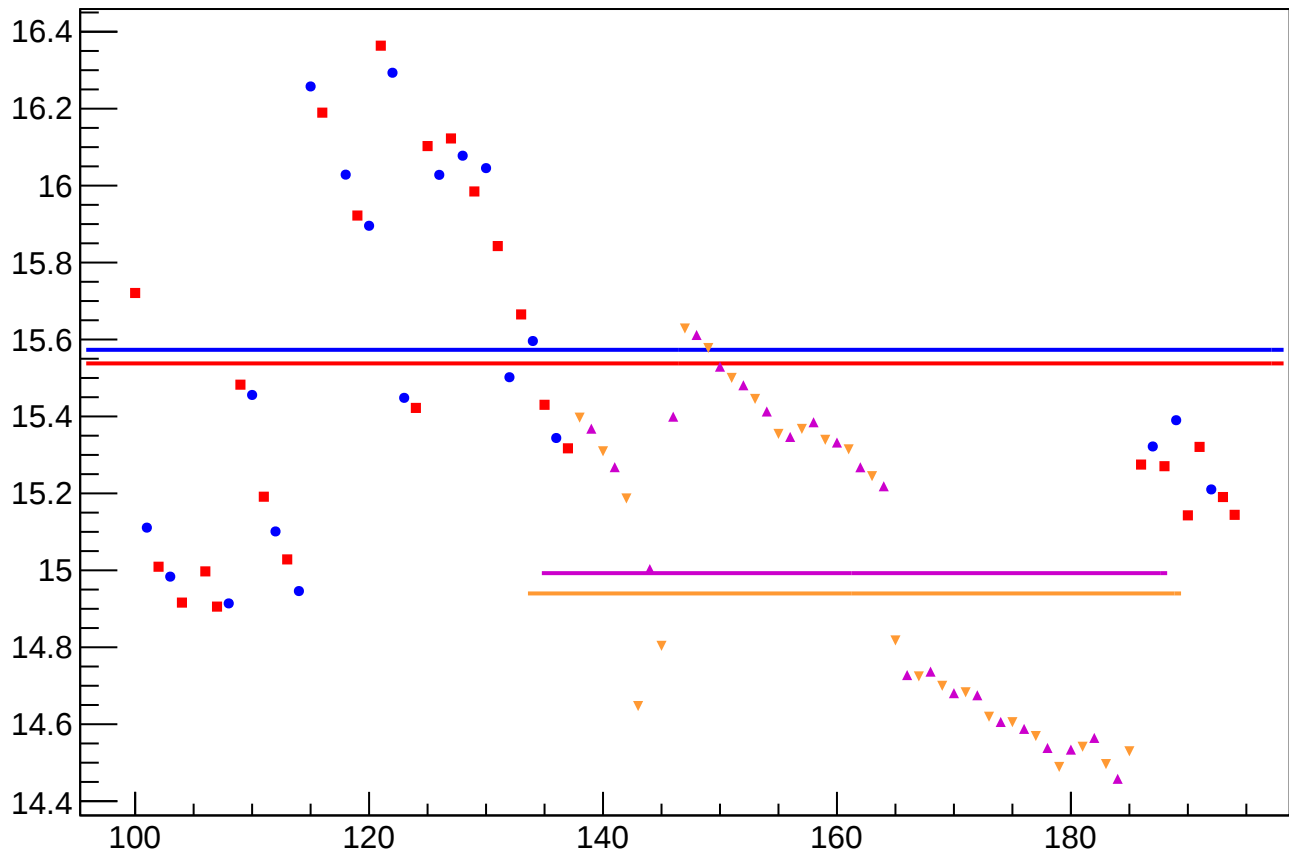
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 248.450+/-0.036 χ^2/NDF : 5985252.9/44

All: 242.481+/-0.025 χ^2/NDF : 15855081.6/92

- sign 236.936+/-0.035 χ^2/NDF : 9817653.5/47

yield_sam1_mean vs Slug



Right In: 15.573+/-0.000 χ^2/NDF : 6500462990.6/19

Left Out: 14.940+/-0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.538+/-0.000 χ^2/NDF : 7560637237.3/24

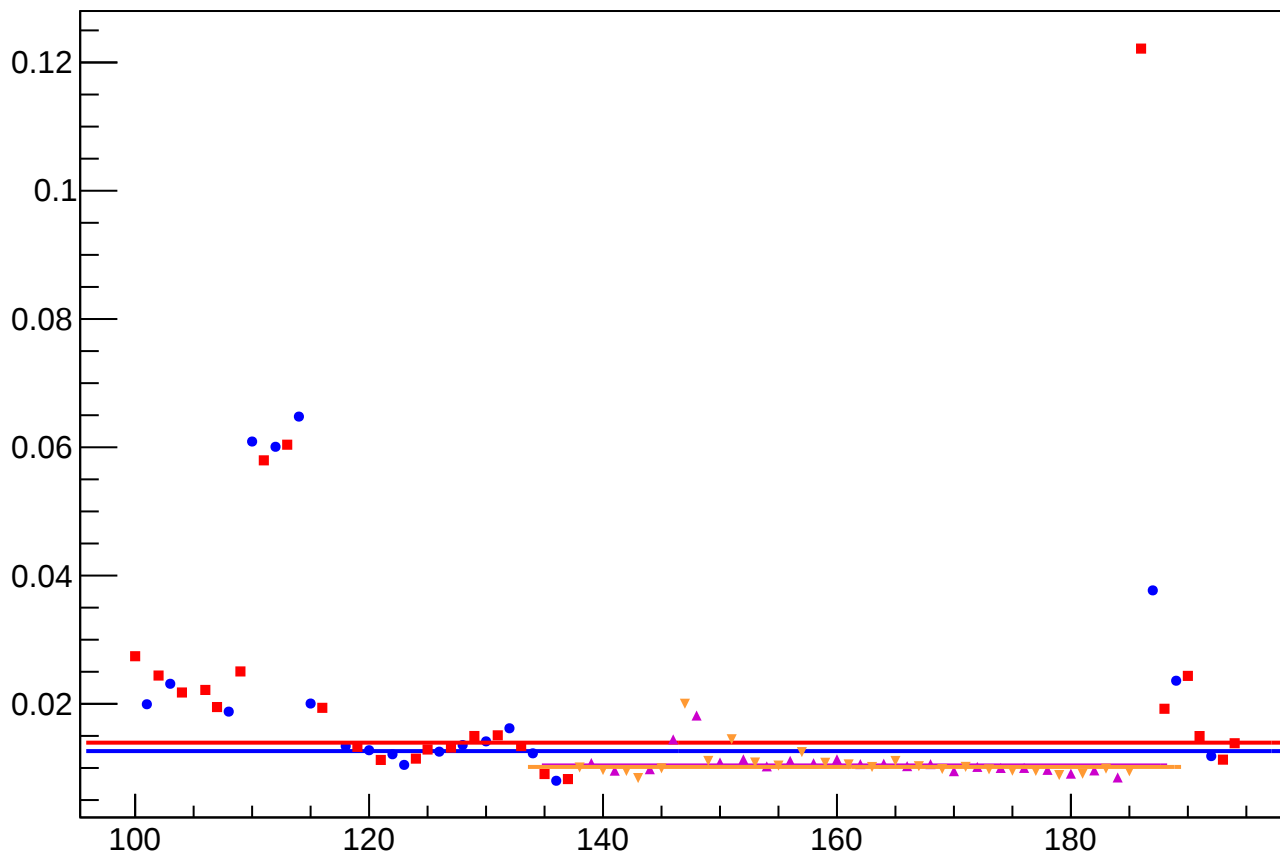
Left In: 14.993+/-0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.063+/-0.000 χ^2/NDF : 43722574690.8/44

All: 15.087+/-0.000 χ^2/NDF : 83465944175.0

- sign 15.112+/-0.000 χ^2/NDF : 39498374159.5/47

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 2456197.5/19

Left Out: 0.010+/-0.000 χ^2/NDF : 717351.4/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2973262.2/24

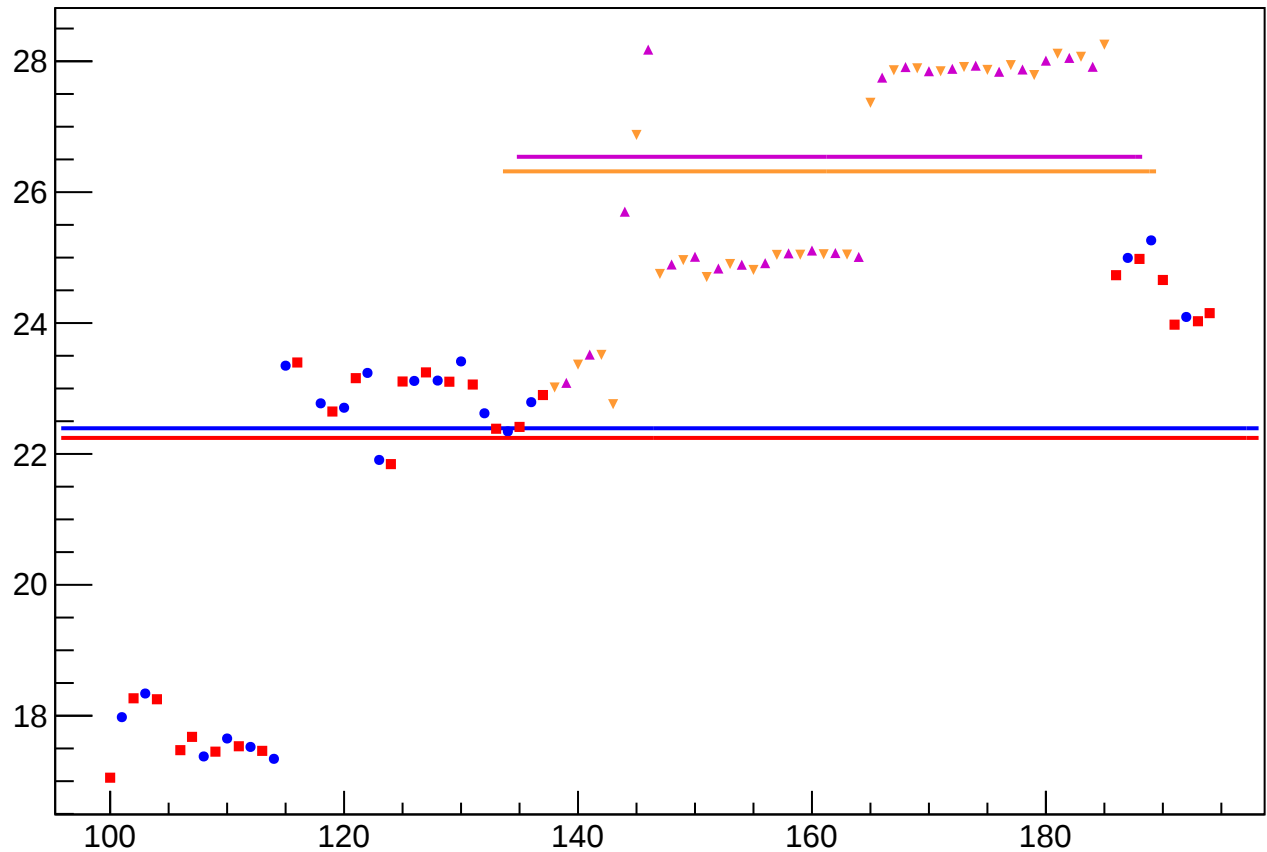
Left In: 0.010+/-0.000 χ^2/NDF : 544268.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 3569734.4/44

All: 0.011+/-0.000 χ^2/NDF : 7985761.8/92

- sign 0.011+/-0.000 χ^2/NDF : 4358907.3/47

yield_sam2_mean vs Slug



Right In: 22.392+/-0.000 χ^2/NDF : 1011621798.9/19

Left Out: 26.318+/-0.000 χ^2/NDF : 4715403741.0/24

Right Out: 22.245+/-0.000 χ^2/NDF : 1243947578.3/24

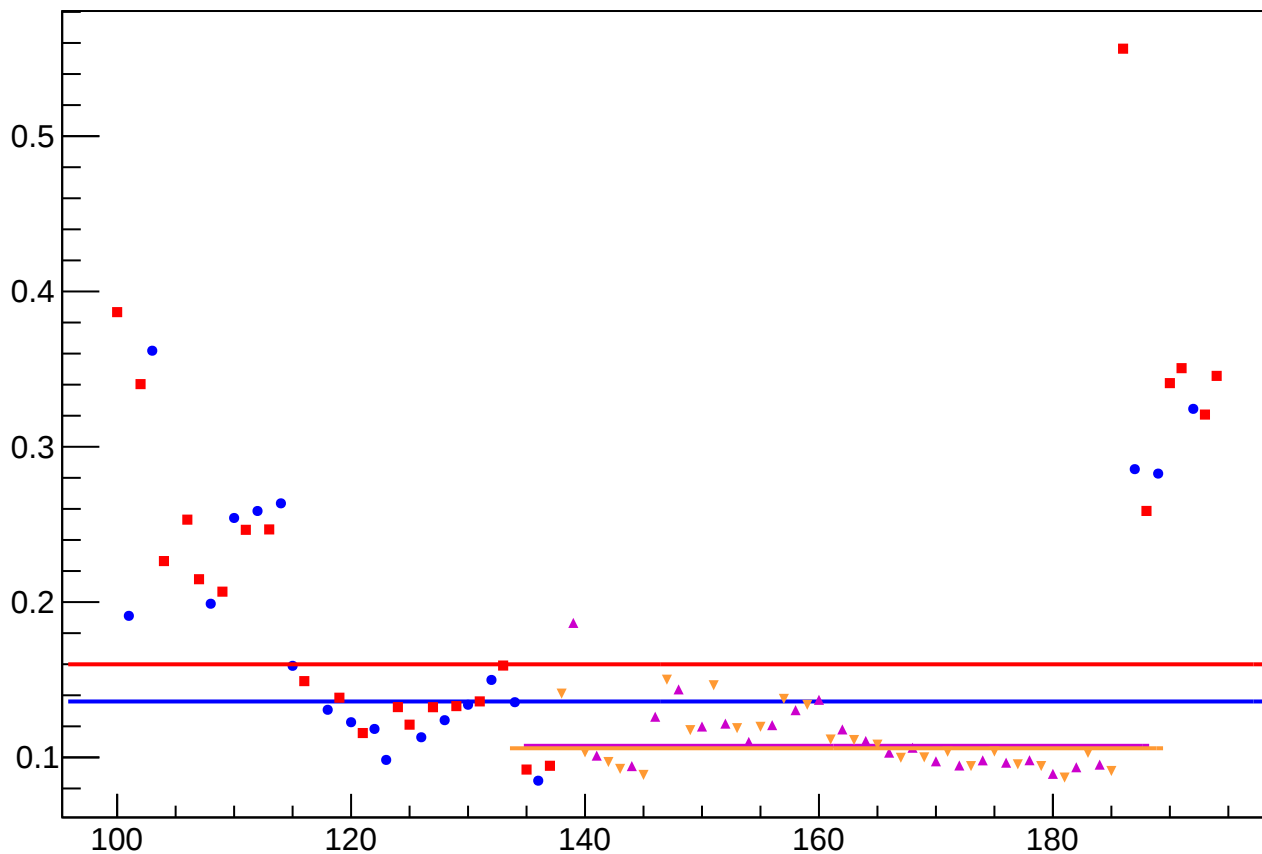
Left In: 26.540+/-0.000 χ^2/NDF : 3309392772.6/22

+ sign 25.581+/-0.000 χ^2/NDF : 9805454327.3/44

All: 25.646+/-0.000 χ^2/NDF : 18959649123.5

- sign 25.716+/-0.000 χ^2/NDF : 9138932933.1/47

yield_sam2_rms vs Slug



Right In: 0.136 $\pm$ 0.000 χ^2 /NDF: 2443113.6/19

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 732883.8/24

Right Out: 0.160 $\pm$ 0.000 χ^2 /NDF: 3449229.1/24

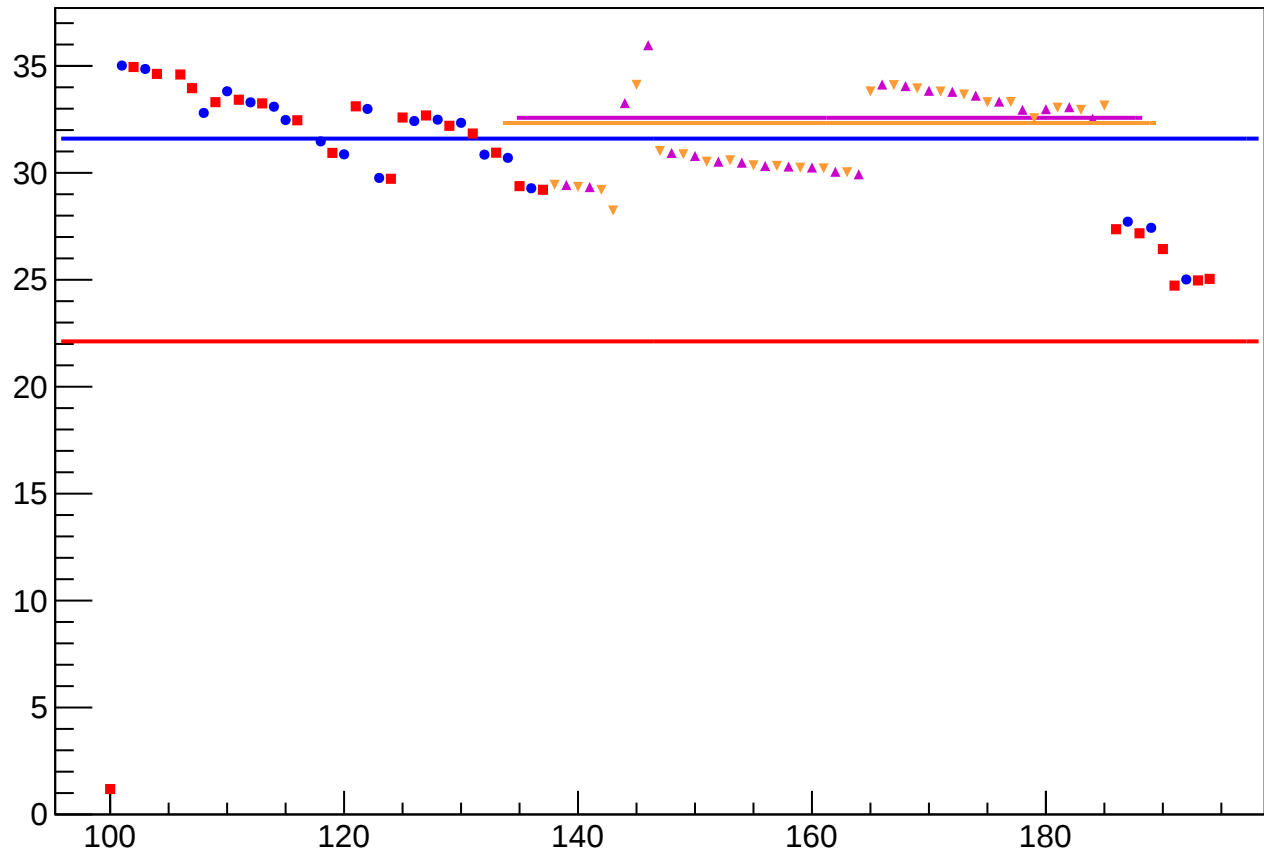
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF: 771132.0/22

+ sign 0.112 $\pm$ 0.000 χ^2 /NDF: 3656604.5/44

All: 0.114 $\pm$ 0.000 χ^2 /NDF: 9305428.0/92

- sign 0.118 $\pm$ 0.000 χ^2 /NDF: 5588860.2/47

yield_sam3_mean vs Slug



Right In: 31.602 $\pm$ 0.000 χ^2 /NDF: 2980232474.0/19

Left Out: 32.331 $\pm$ 0.000 χ^2 /NDF: 12850475096.2/24

Right Out: 22.120 $\pm$ 0.000 χ^2 /NDF: 230577165125.7/24

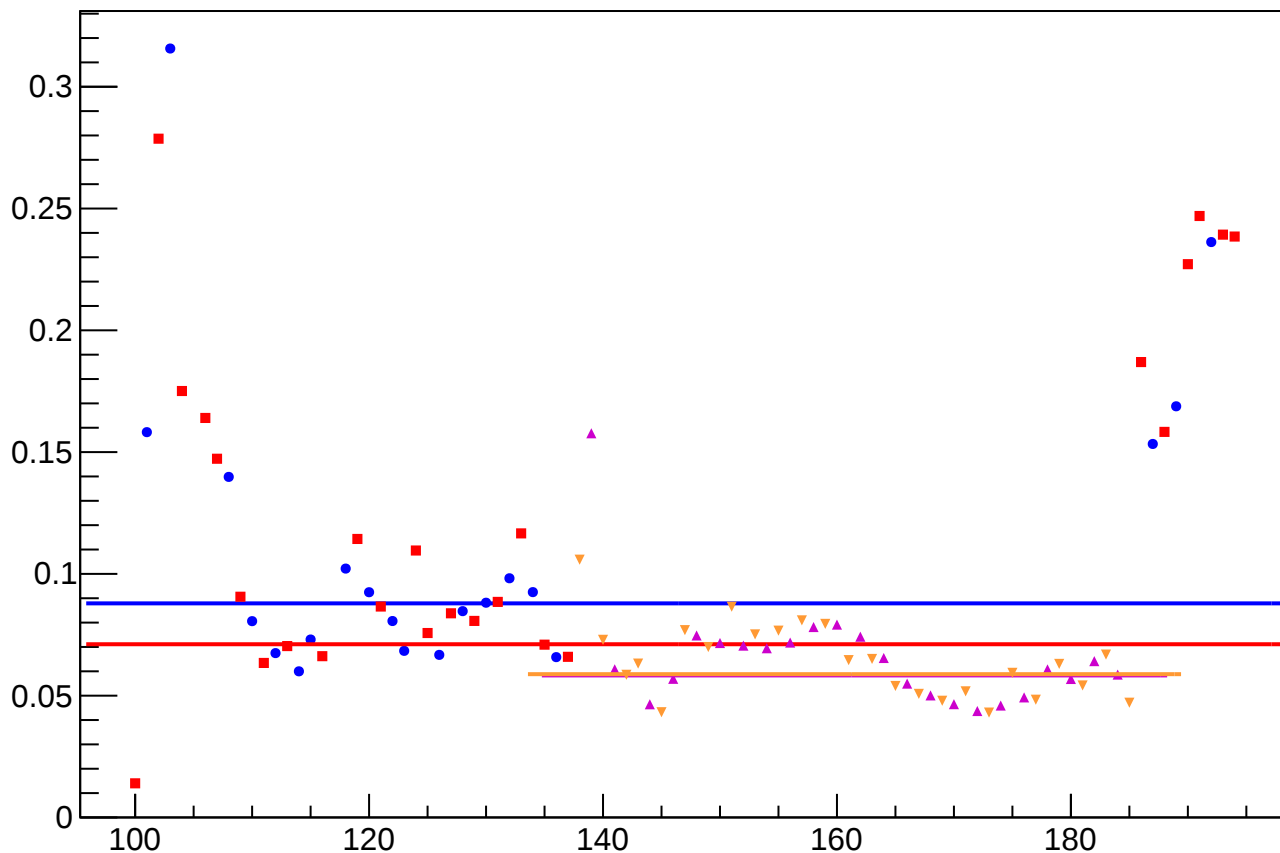
Left In: 32.574 $\pm$ 0.000 χ^2 /NDF: 11797772603.7/22

+ sign 32.218 $\pm$ 0.000 χ^2 /NDF: 16169388454.5/44

All: 31.195 $\pm$ 0.000 χ^2 /NDF: 365136503270.

- sign 30.215 $\pm$ 0.000 χ^2 /NDF: 339034435877.4/47

yield_sam3_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 2166059.5/19

Left Out: 0.059+/-0.000 χ^2/NDF :1402605.2/24

Right Out: 0.071+/-0.000 χ^2/NDF : 6703342.0/24

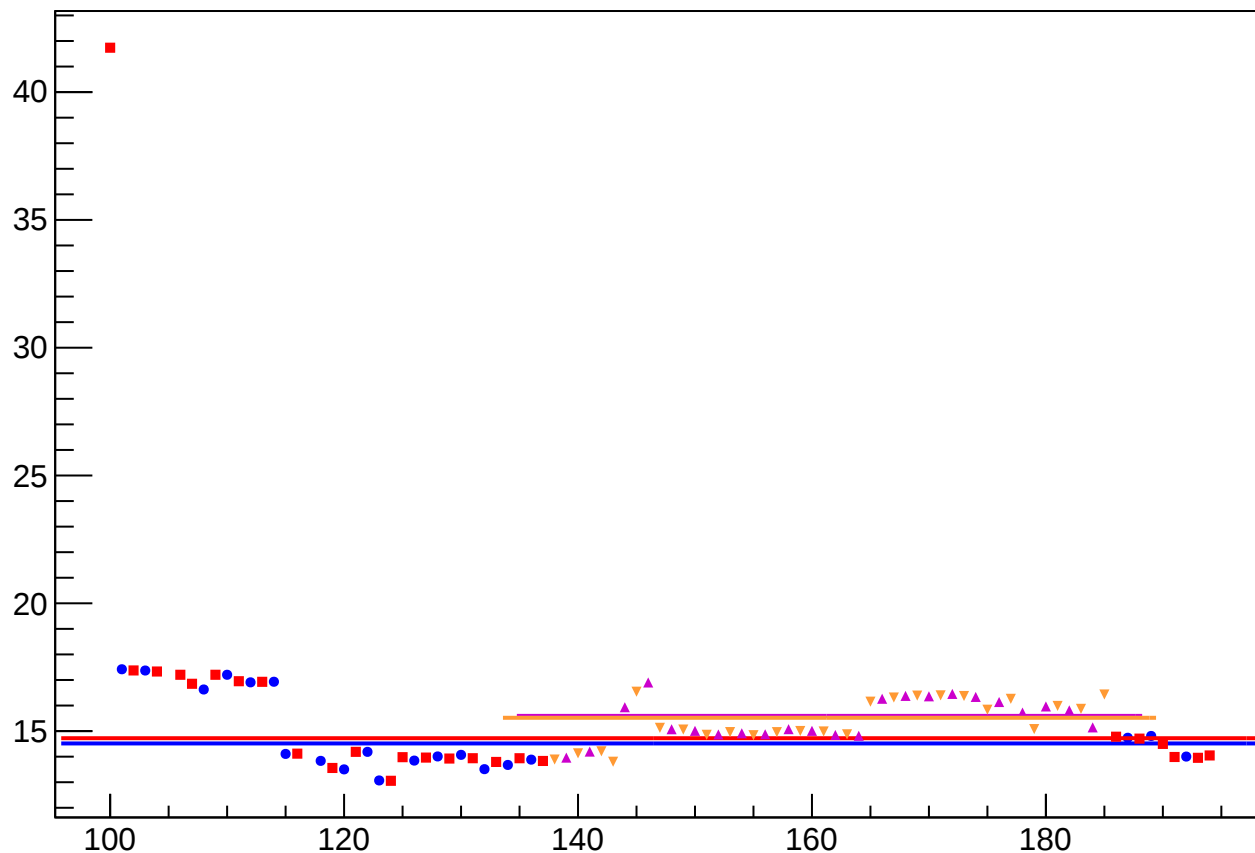
Left In: 0.058+/-0.000 χ^2/NDF :1525476.4/22

+ sign 0.063+/-0.000 χ^2/NDF : 4644691.4/44

All: 0.062+/-0.000 χ^2/NDF : 13186197.1/92

- sign 0.061+/-0.000 χ^2/NDF : 8518736.4/47

yield_sam4_mean vs Slug



Right In: 14.517+/-0.000 χ^2/NDF : 1492323924.2/19

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.722+/-0.000 χ^2/NDF : 1926432908.6/24

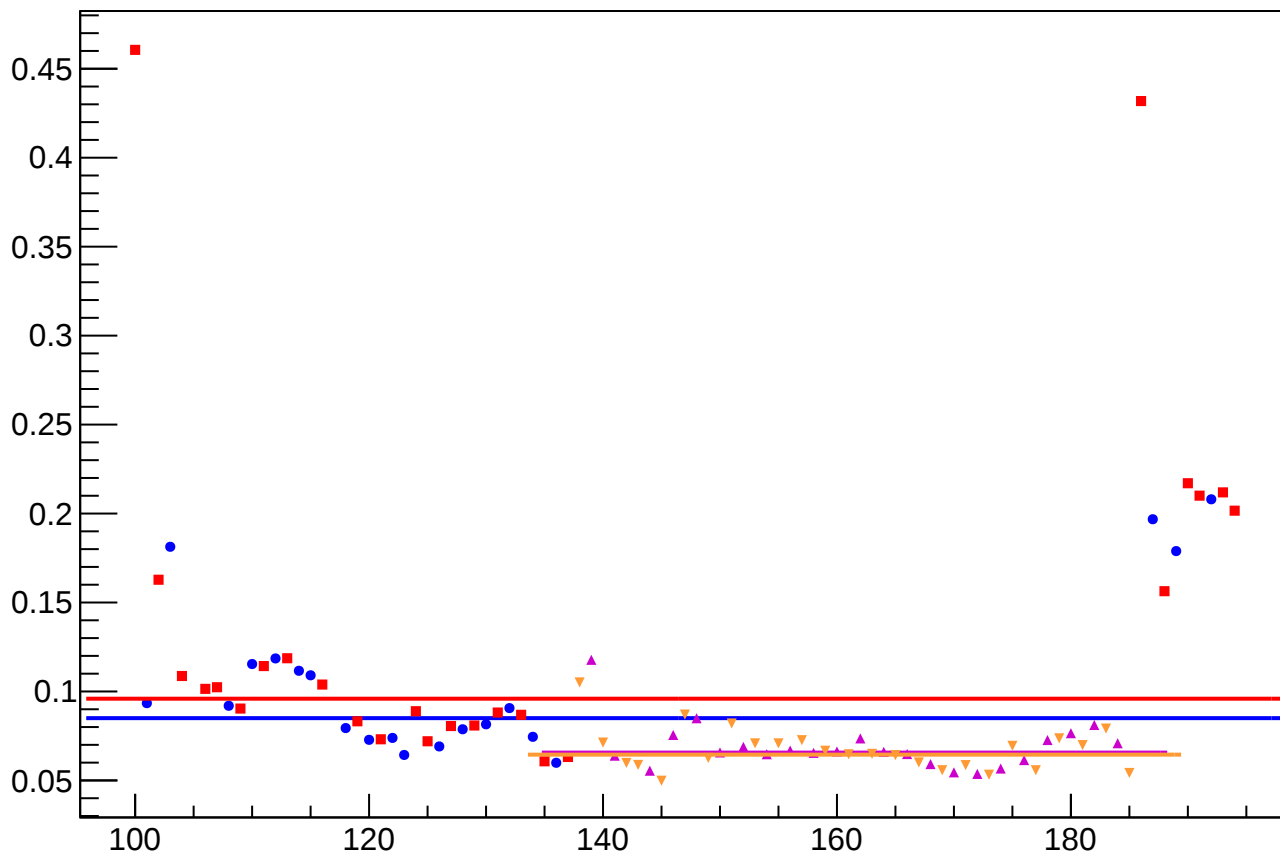
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.327+/-0.000 χ^2/NDF : 4812326768.2/44

All: 15.370+/-0.000 χ^2/NDF : 9203307947.0/9

- sign 15.416+/-0.000 χ^2/NDF : 4373367342.1/47

yield_sam4_rms vs Slug



Right In: 0.085 $\pm$ 0.000 χ^2 /NDF: 1769714.2/19

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.096 $\pm$ 0.000 χ^2 /NDF: 2851717.1/24

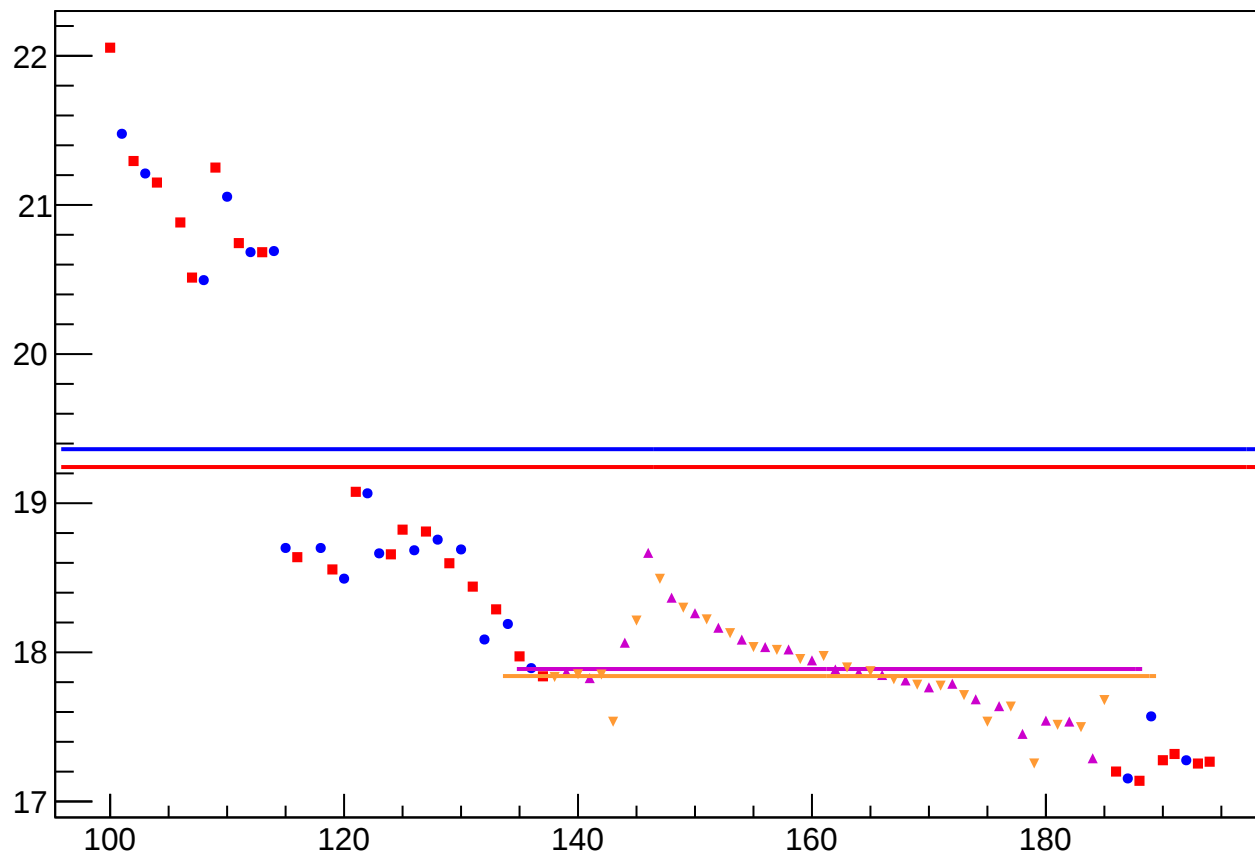
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.068 $\pm$ 0.000 χ^2 /NDF: 3139676.9/44

All: 0.070 $\pm$ 0.000 χ^2 /NDF: 8051728.0/92

- sign 0.072 $\pm$ 0.000 χ^2 /NDF: 4860063.6/47

yield_sam5_mean vs Slug



Right In: 19.362+/-0.000 χ^2/NDF : 16873843999.9/19

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 19.243+/-0.000 χ^2/NDF : 21740243553.0/24

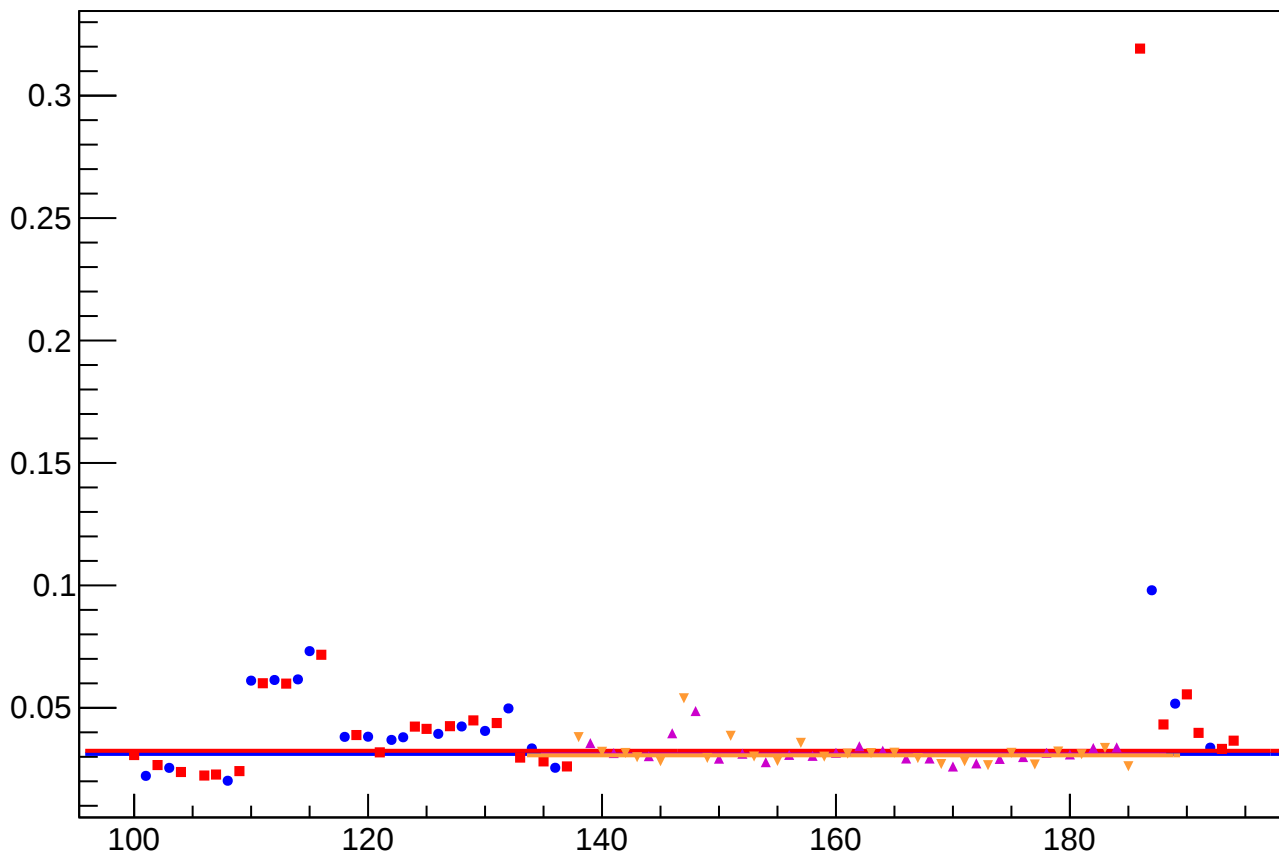
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.258+/-0.000 χ^2/NDF : 29986277058.0/44

All: 18.292+/-0.000 χ^2/NDF : 63272122107.9

- sign 18.326+/-0.000 χ^2/NDF : 33227536920.6/47

yield_sam5_rms vs Slug



Right In: 0.031 $\pm$ 0.000 χ^2 /NDF: 1598569.3/19

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 2054473.1/24

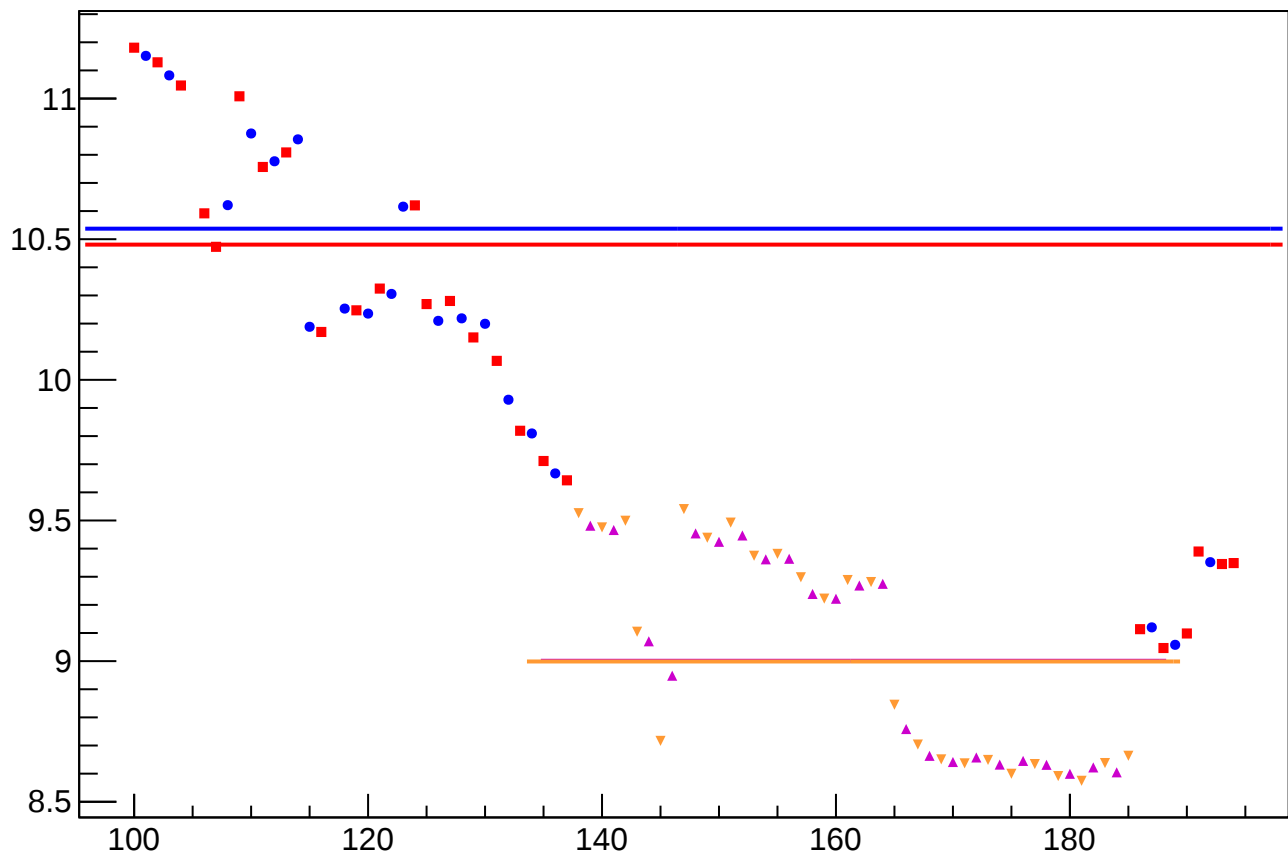
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2192517.5/44

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 4738289.8/92

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2535320.0/47

yield_sam6_mean vs Slug



Right In: 10.537 $\pm$ 0.000 χ^2 /NDF: 9039199546.5/19

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.481 $\pm$ 0.000 χ^2 /NDF: 9118712502.1/24

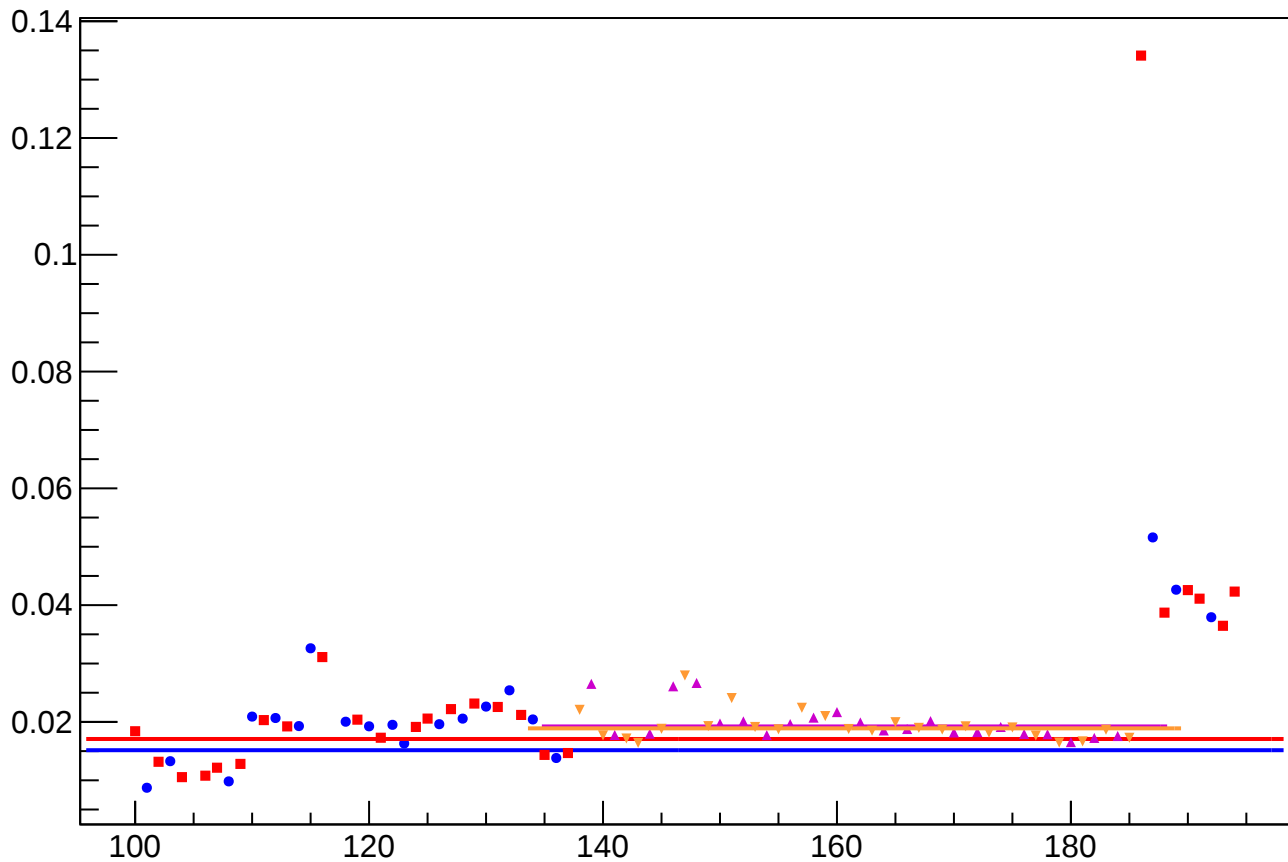
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.559 $\pm$ 0.000 χ^2 /NDF: 55967640012.5/44

All: 9.567 $\pm$ 0.000 χ^2 /NDF: 106796428423.0

- sign 9.576 $\pm$ 0.000 χ^2 /NDF: 50819271299.9/47

yield_sam6_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 2581017.1/19

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.017+/-0.000 χ^2/NDF : 3661864.5/24

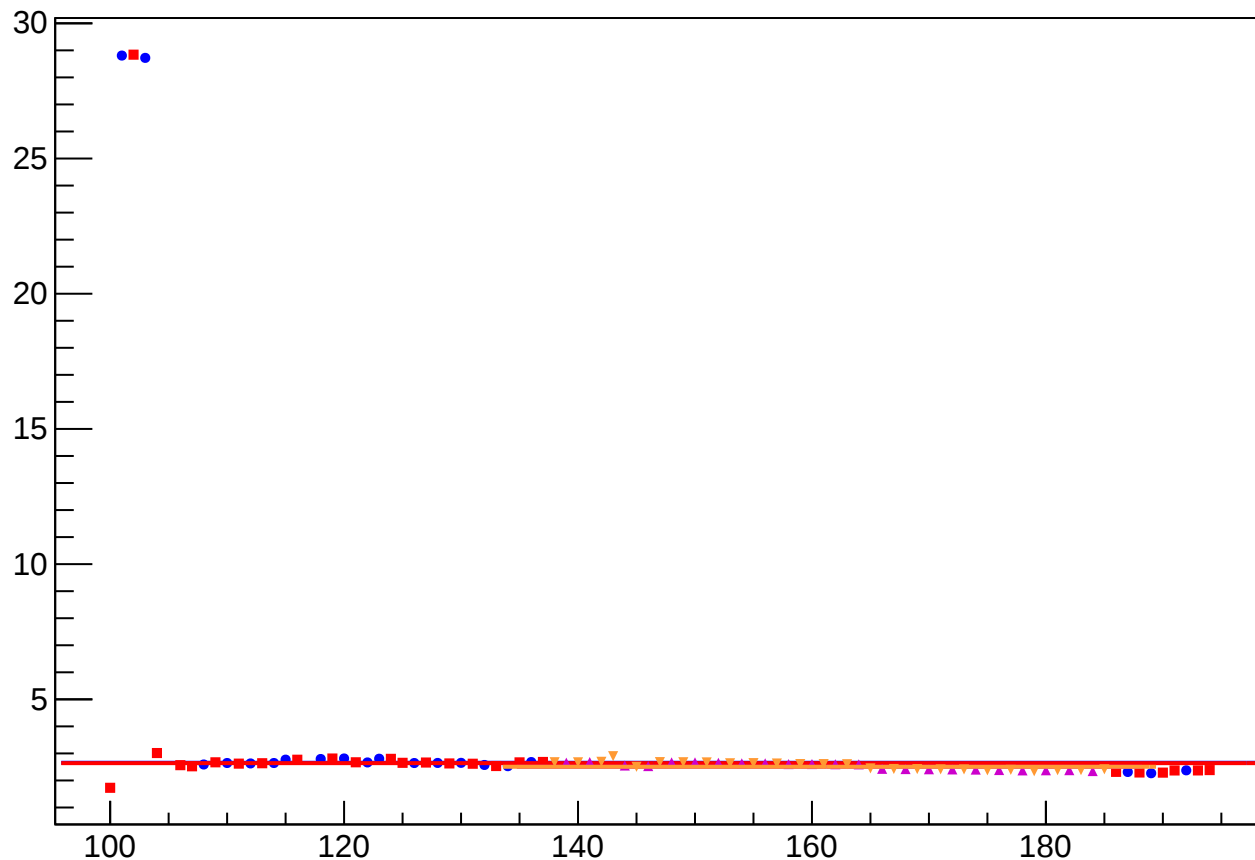
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.018+/-0.000 χ^2/NDF : 3488755.8/44

All: 0.018+/-0.000 χ^2/NDF : 7838634.4/92

- sign 0.018+/-0.000 χ^2/NDF : 4297021.5/47

yield_sam7_mean vs Slug



Right In: 2.655 $\pm$ 0.000 χ^2 /NDF: 167499020864.0/19

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.641 $\pm$ 0.000 χ^2 /NDF: 79989719905.3/24

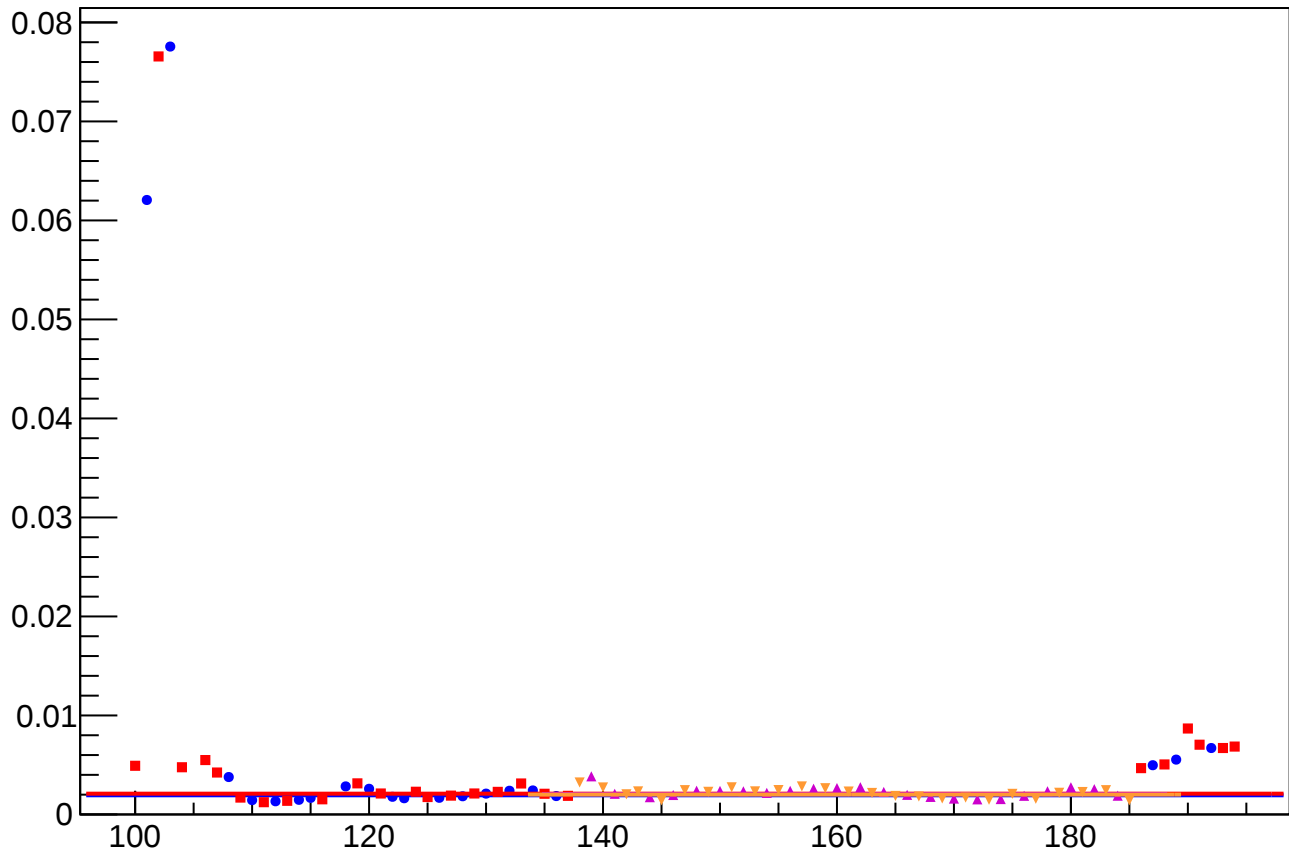
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.547 $\pm$ 0.000 χ^2 /NDF: 253719056925.0/44

All: 2.547 $\pm$ 0.000 χ^2 /NDF: 395481679197.8

- sign 2.548 $\pm$ 0.000 χ^2 /NDF: 141762340544.5/47

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4048100.7/19

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 5417797.4/24

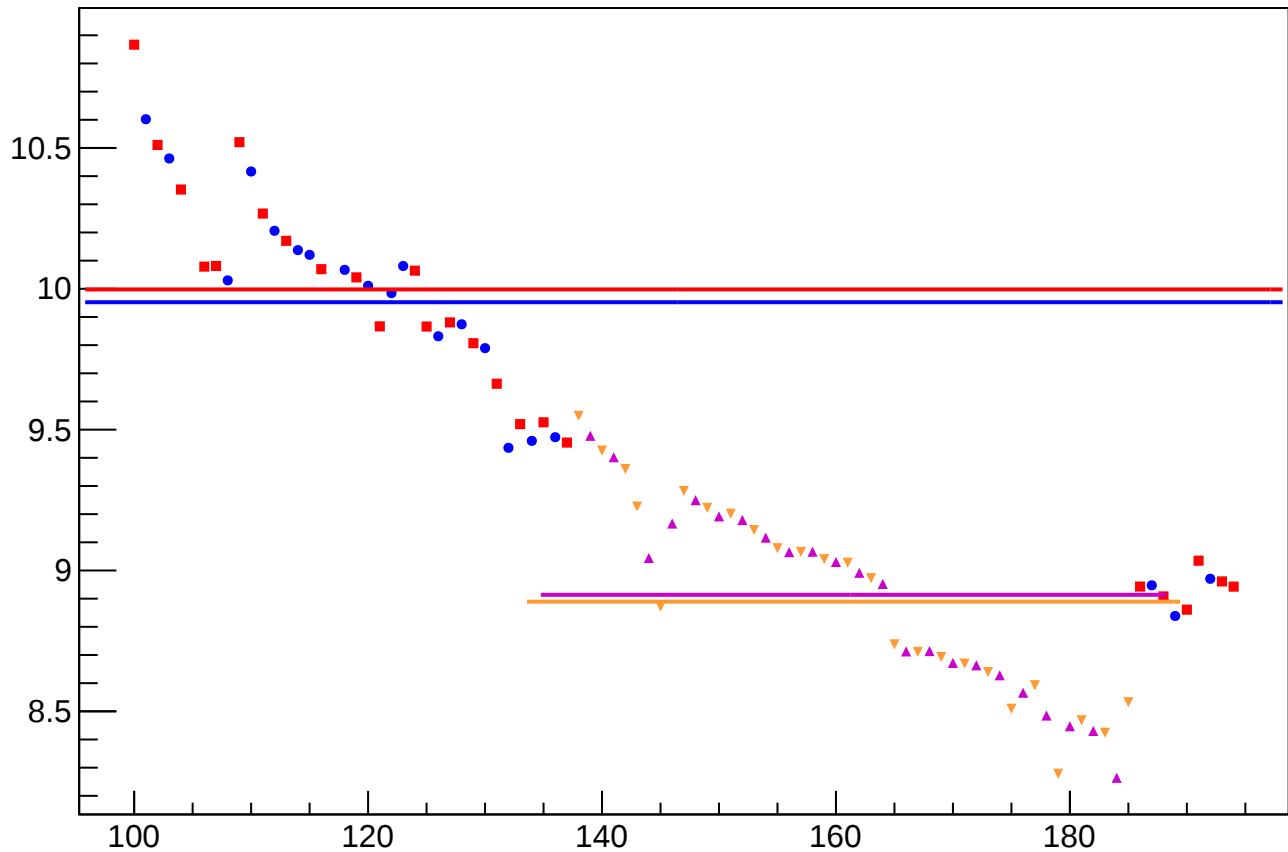
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5527308.9/44

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 12286310.2/92

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 6724186.9/47

yield_sam8_mean vs Slug



Right In: 9.952 $\pm$ 0.000 χ^2 /NDF: 25921209396.9/19

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 9.998 $\pm$ 0.000 χ^2 /NDF: 32970142885.3/24

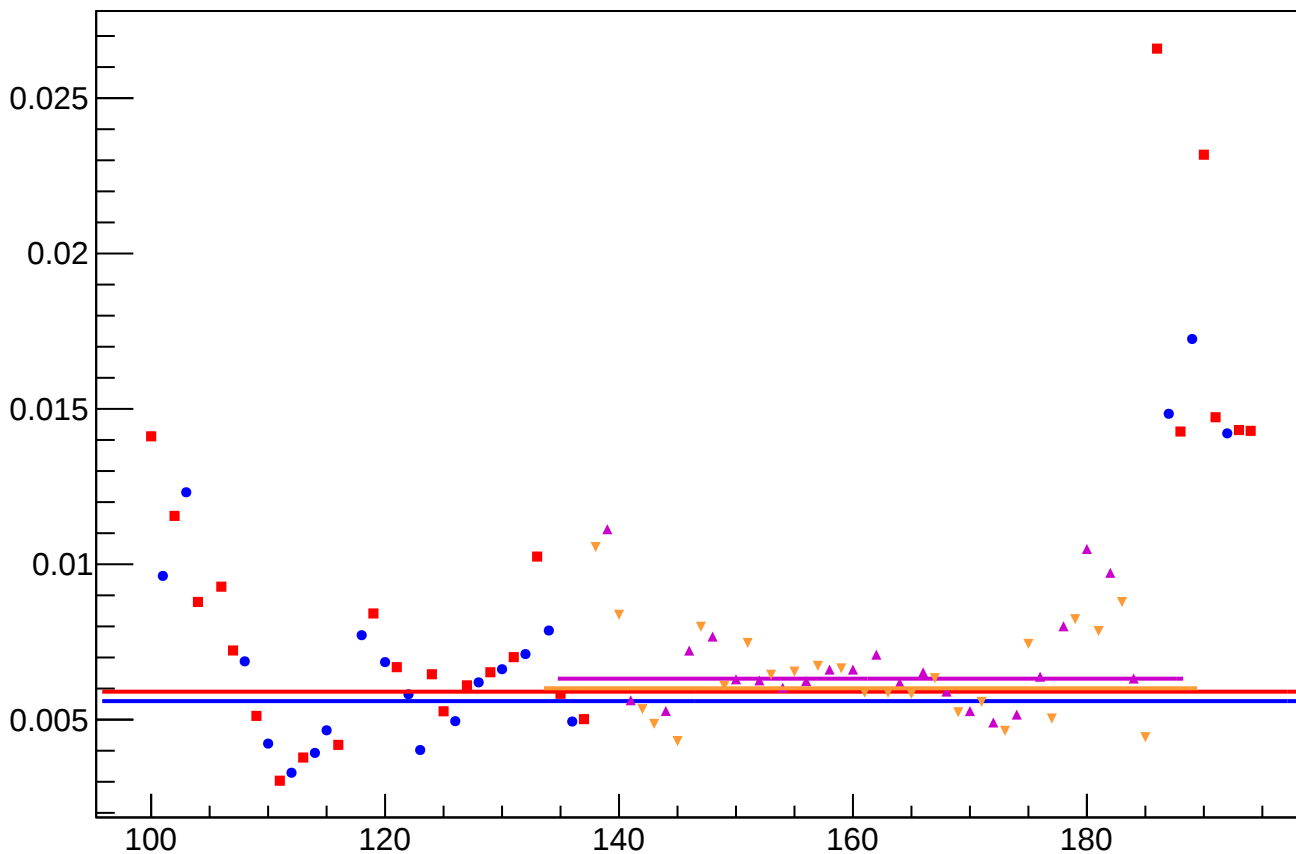
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.227 $\pm$ 0.000 χ^2 /NDF: 205234765371.4/44

All: 9.270 $\pm$ 0.000 χ^2 /NDF: 420980857239.8

- sign 9.316 $\pm$ 0.000 χ^2 /NDF: 213475047686.4/47

yield_sam8_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2429067.0/19

Left Out: 0.006+/-0.000 χ^2/NDF :1312525.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 4509989.4/24

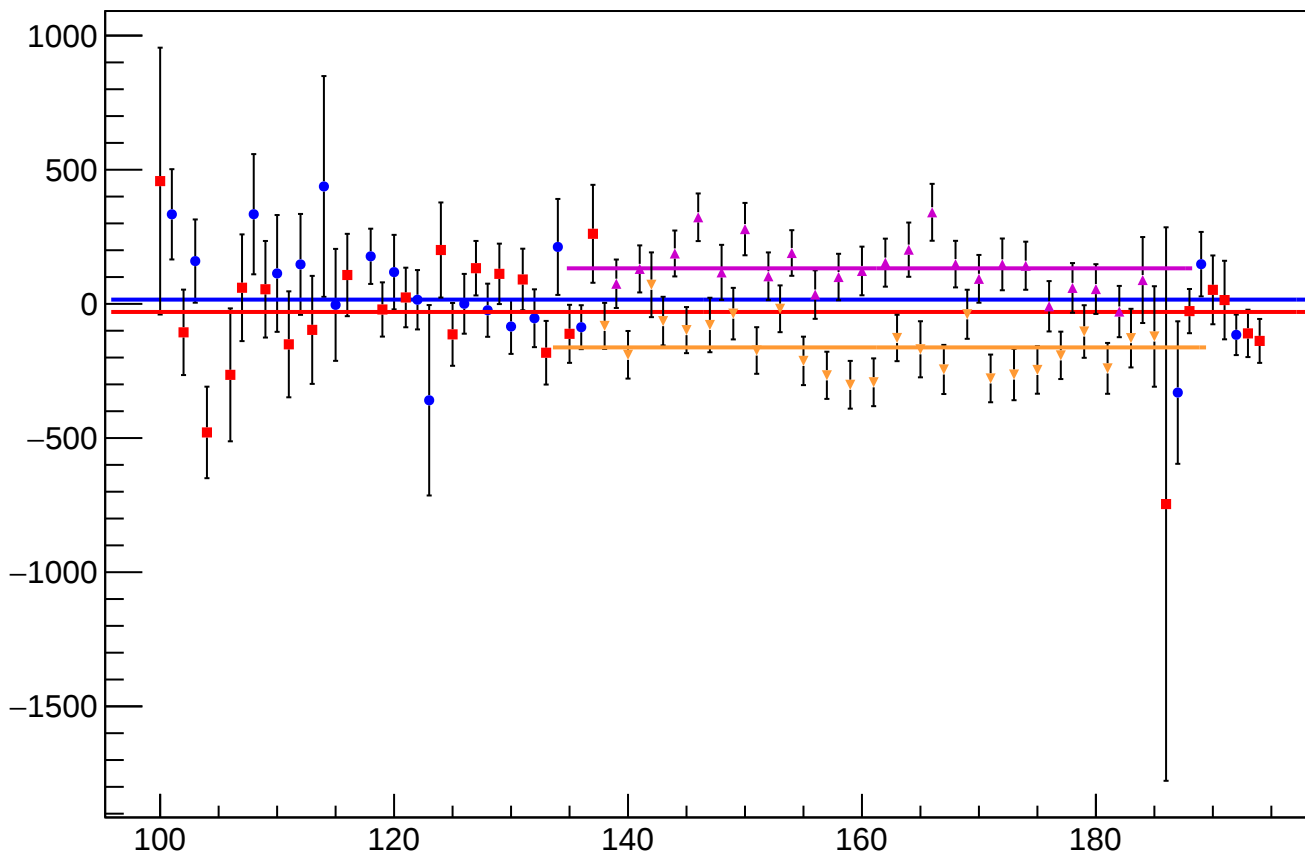
Left In: 0.006+/-0.000 χ^2/NDF :1087051.3/22

+ sign 0.006+/-0.000 χ^2/NDF : 3785312.1/44

All: 0.006+/-0.000 χ^2/NDF : 9474007.2/92

- sign 0.006+/-0.000 χ^2/NDF : 5642293.6/47

reg_asym_sam1_mean vs Slug



Right In: 15.953 ± 28.690 χ^2/NDF : 22.6/19

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -30.093 ± 25.832 χ^2/NDF : 26.8/24

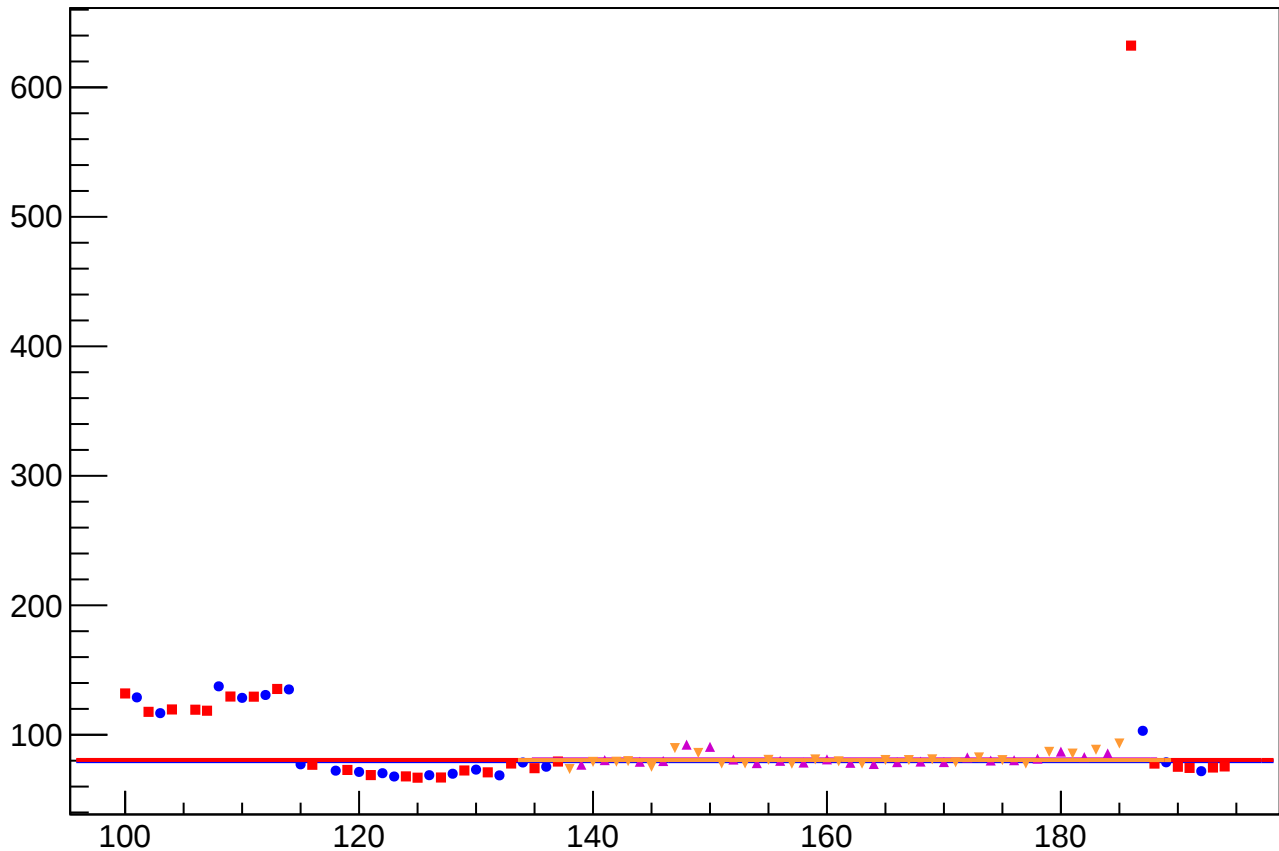
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -108.876 ± 15.692 χ^2/NDF : 75.3/44

All: -16.450 ± 11.033 χ^2/NDF : 216.7/92

- sign 73.891 ± 15.514 χ^2/NDF : 72.9/47

reg_asym_sam1_rms vs Slug



Right In: 79.641 $\pm$ 0.020 χ^2 /NDF: 847027.8/19

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 80.571 $\pm$ 0.018 χ^2 /NDF: 1514341.2/24

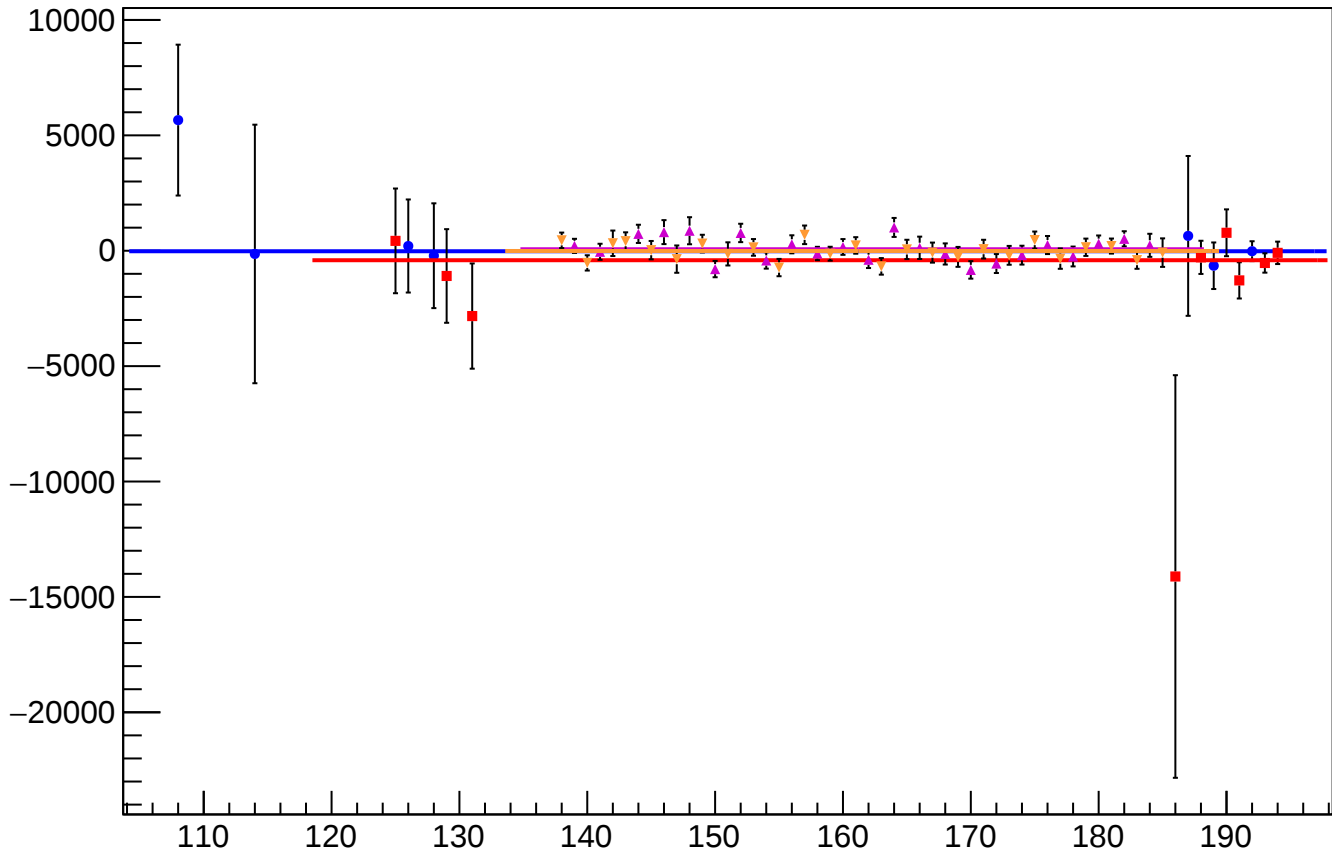
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 80.214 $\pm$ 0.011 χ^2 /NDF: 938107.8/44

All: 80.538 $\pm$ 0.008 χ^2 /NDF: 2526757.0/92

- sign 80.854 $\pm$ 0.011 χ^2 /NDF: 1586966.6/47

asym_sam1_correction_mean vs Slug



Right In: -21.859 ± 377.076 χ^2/NDF : 3.5/6

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -410.929 ± 257.132 χ^2/NDF : 7.0/8

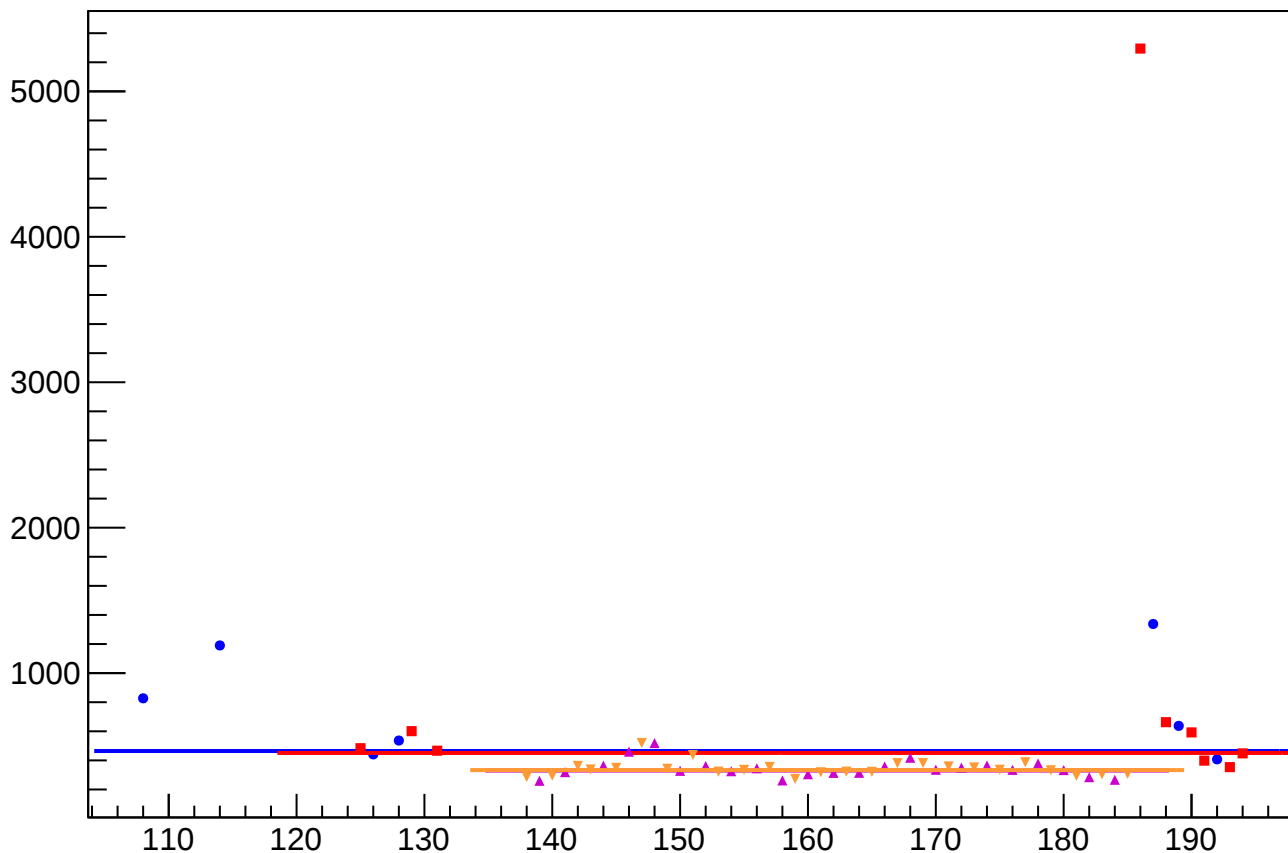
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -10.957 ± 76.750 χ^2/NDF : 26.0/31

All: 5.881 ± 54.157 χ^2/NDF : 73.6/63

- sign 22.579 ± 76.429 χ^2/NDF : 47.5/31

asym_sam1_correction_rms vs Slug



Right In: 464.413 $\pm$ 0.267 χ^2/NDF : 281610.1/6

Left Out: 333.233 $\pm$ 0.055 χ^2/NDF : 592122.2/24

Right Out: 451.183 $\pm$ 0.182 χ^2/NDF : 957854.7/8

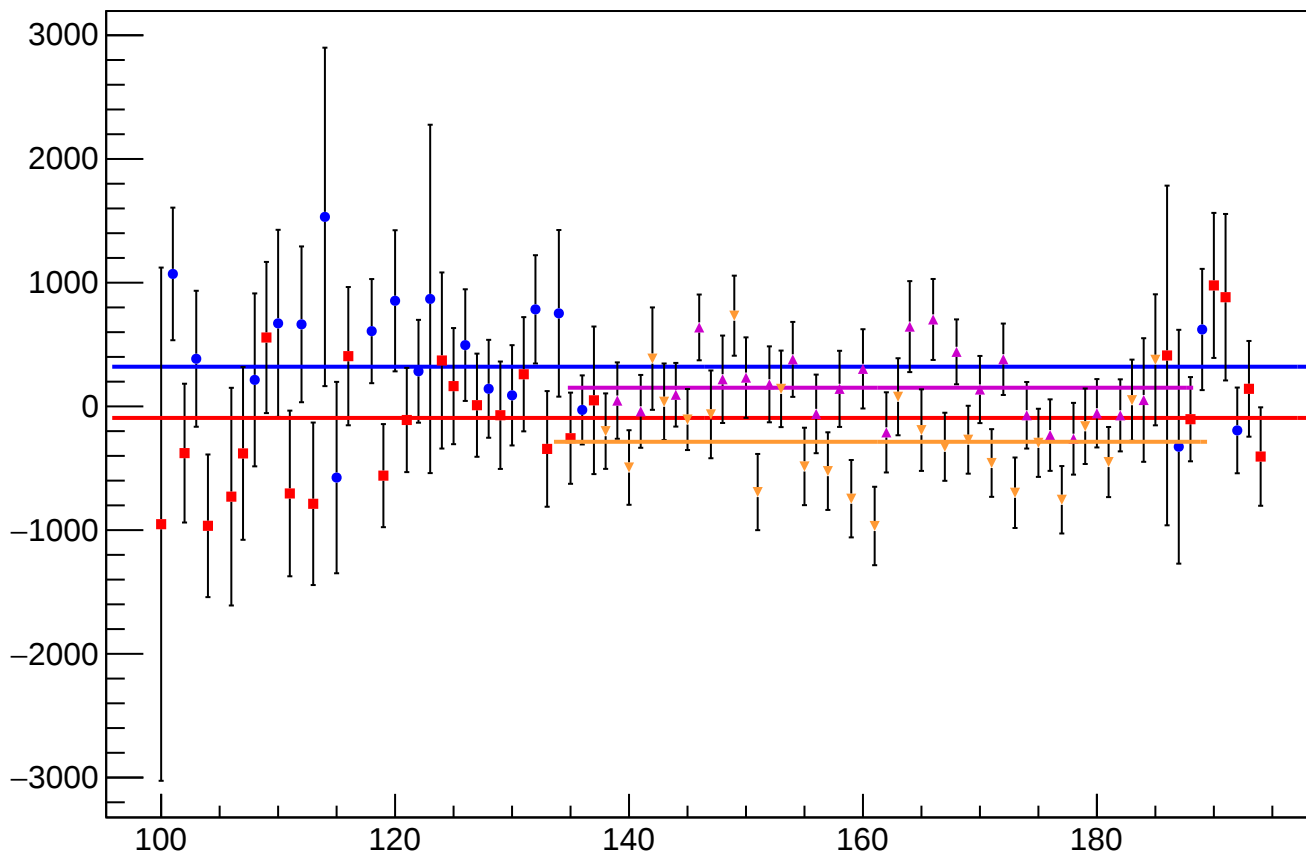
Left In: 329.985 $\pm$ 0.057 χ^2/NDF : 795969.0/22

+ sign 338.668 $\pm$ 0.054 χ^2/NDF : 1105755.6/31

All: 339.685 $\pm$ 0.038 χ^2/NDF : 3265353.1/63

- sign 340.693 $\pm$ 0.054 χ^2/NDF : 2158898.2/31

reg_asym_sam2_mean vs Slug



Right In: 320.767 ± 110.709 χ^2/NDF : 13.0/19

Left Out: -286.030 ± 61.095 χ^2/NDF : 36.6/24

Right Out: -93.202 ± 102.125 χ^2/NDF : 17.0/24

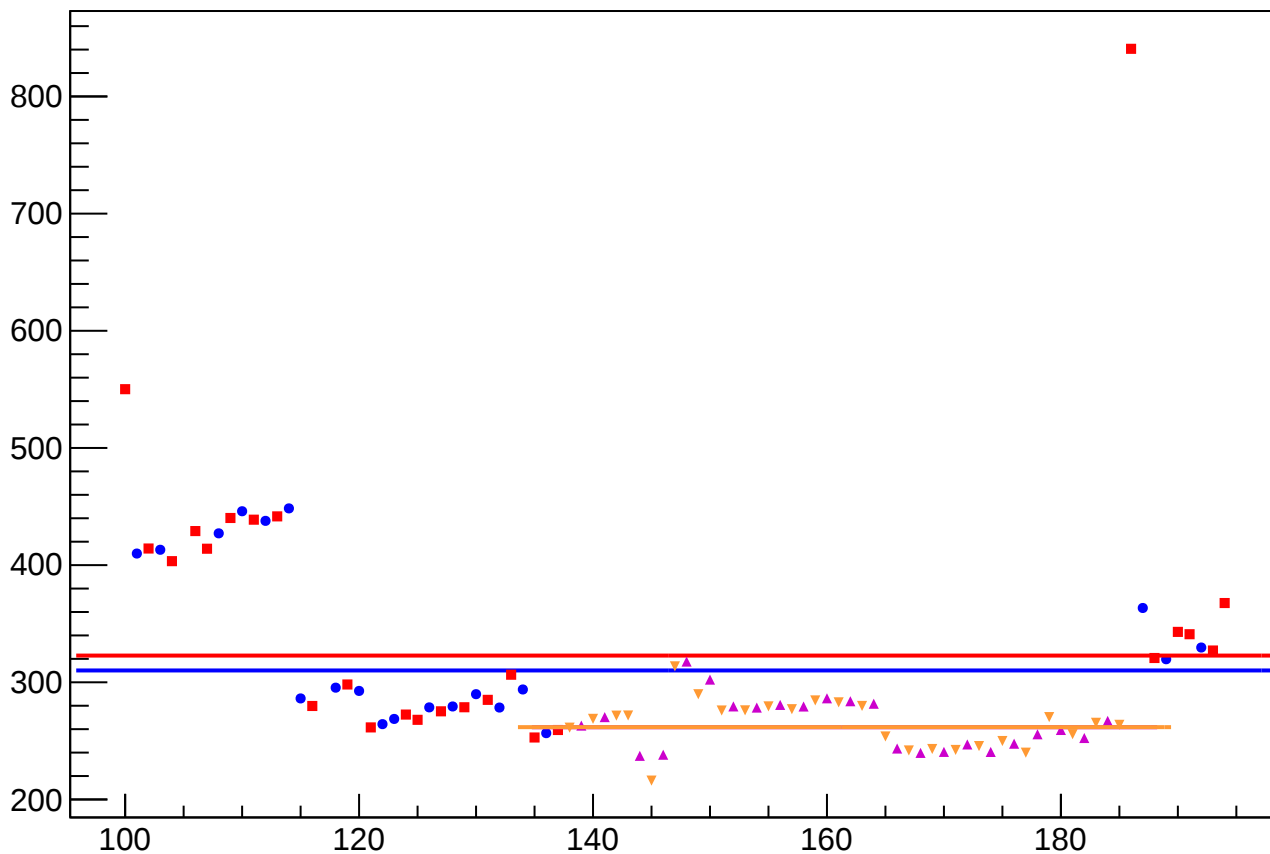
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -144.377 ± 53.490 χ^2/NDF : 72.6/44

All: -30.267 ± 37.829 χ^2/NDF : 121.5/92

- sign 83.909 ± 53.506 χ^2/NDF : 39.9/47

reg_asym_sam2_rms vs Slug



Right In: 310.105+/-0.078 χ^2/NDF : 520637.3/19

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 322.805+/-0.072 χ^2/NDF : 948705.0/24

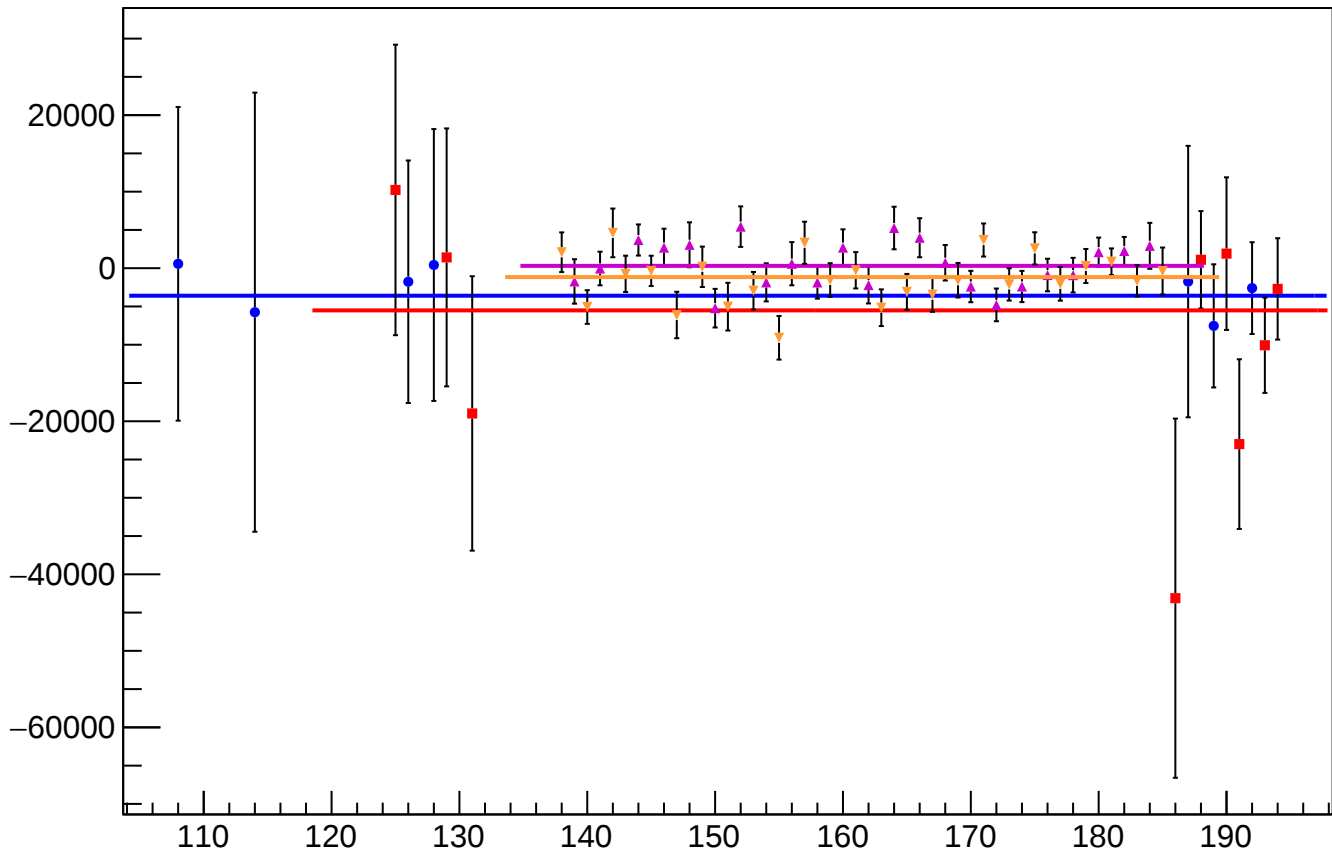
Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

+ sign 273.016+/-0.038 χ^2/NDF : 1046684.7/44

All: 275.721+/-0.027 χ^2/NDF : 2754402.5/92

- sign 278.427+/-0.038 χ^2/NDF : 1697489.3/47

asym_sam2_correction_mean vs Slug



Right In: -3595.789 ± 4181.133 χ^2/NDF : 0.4/6

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -5513.518 ± 3119.481 χ^2/NDF : 8.8/8

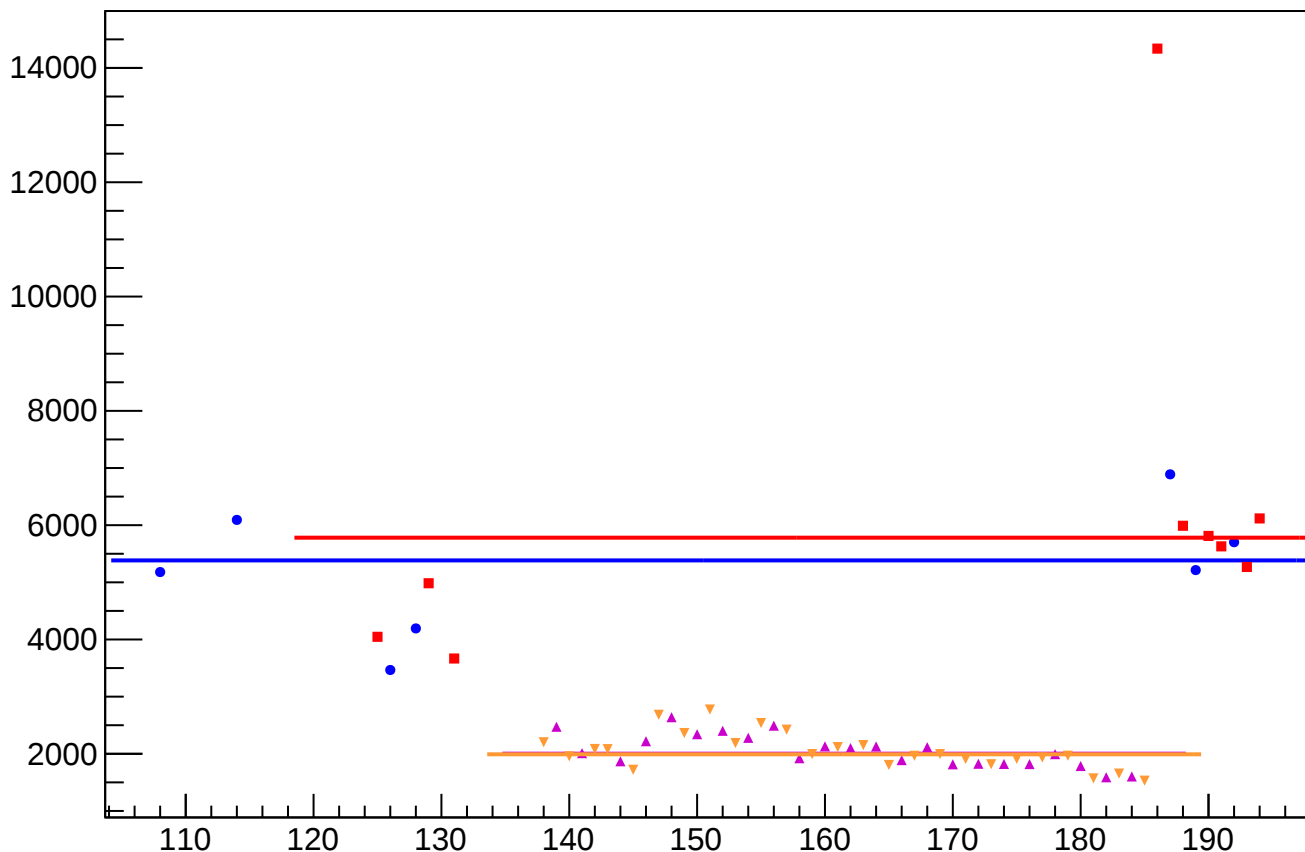
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1191.696 ± 466.113 χ^2/NDF : 39.5/31

All: -529.188 ± 333.736 χ^2/NDF : 91.2/63

- sign 167.728 ± 478.064 χ^2/NDF : 47.6/31

asym_sam2_correction_rms vs Slug



Right In: 5383.586+/-2.957 χ^2/NDF : 60621.7/6

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5781.320+/-2.206 χ^2/NDF : 336150.1/8

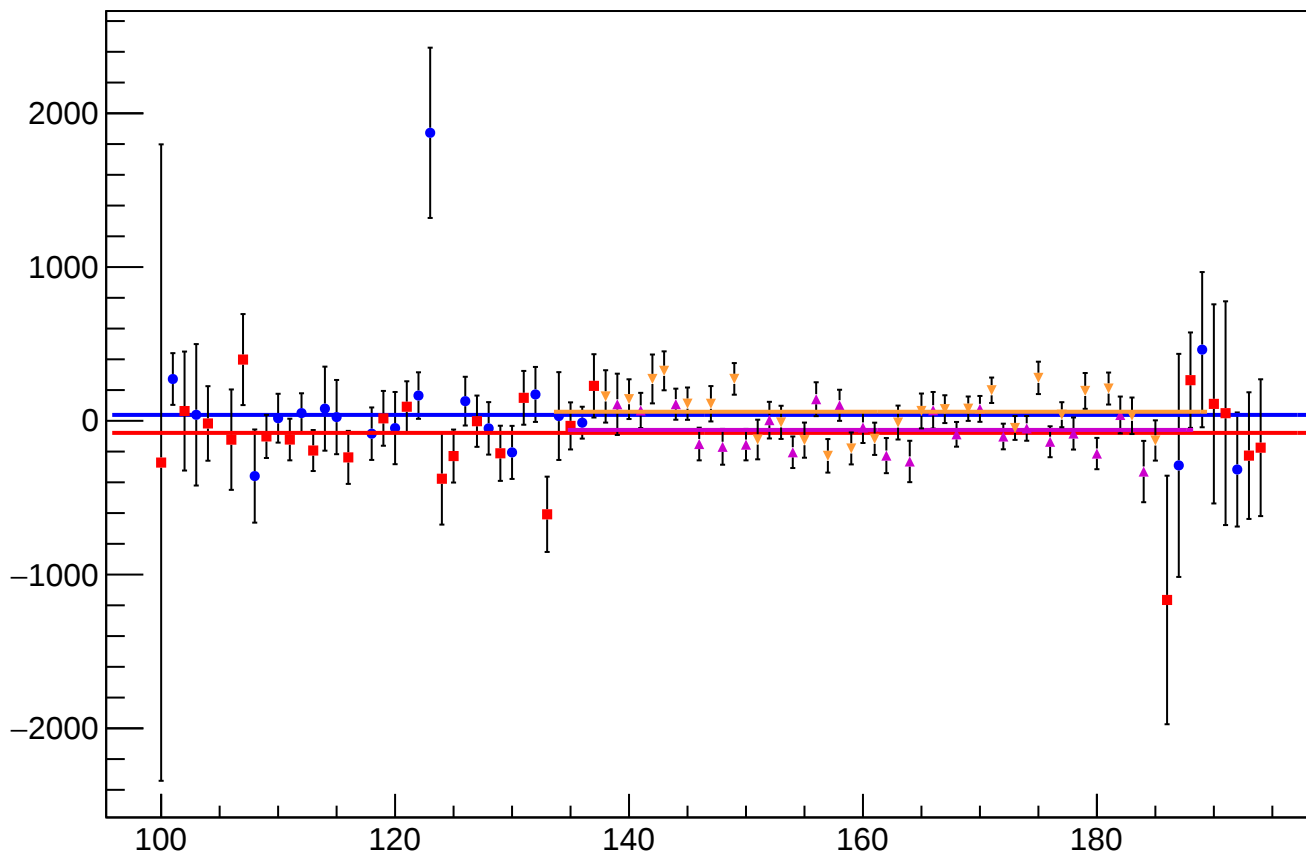
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2033.266+/-0.330 χ^2/NDF : 2087238.6/31

All: 2061.359+/-0.236 χ^2/NDF : 5890637.5/63

- sign 2090.911+/-0.338 χ^2/NDF : 3788491.3/31

reg_asym_sam3_mean vs Slug



Right In: 38.514 ± 43.099 χ^2/NDF : 21.2/19

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -78.509 ± 42.158 χ^2/NDF : 20.4/24

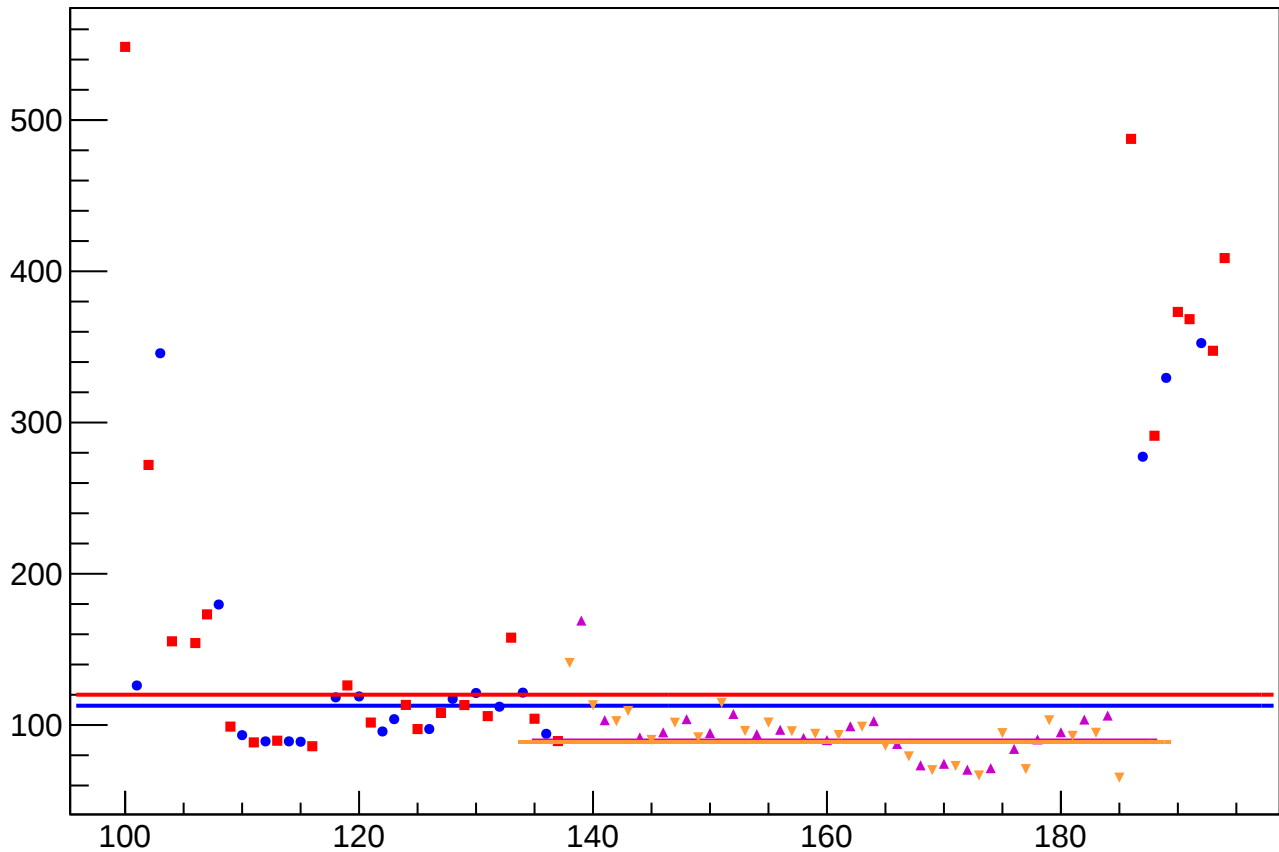
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 55.014 ± 18.978 χ^2/NDF : 68.3/44

All: -2.711 ± 13.583 χ^2/NDF : 137.2/92

- sign -63.337 ± 19.449 χ^2/NDF : 49.9/47

reg_asym_sam3_rms vs Slug



Right In: 112.762 $\pm$ 0.030 χ^2 /NDF: 2182605.0/19

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 120.046 $\pm$ 0.030 χ^2 /NDF: 4074020.2/24

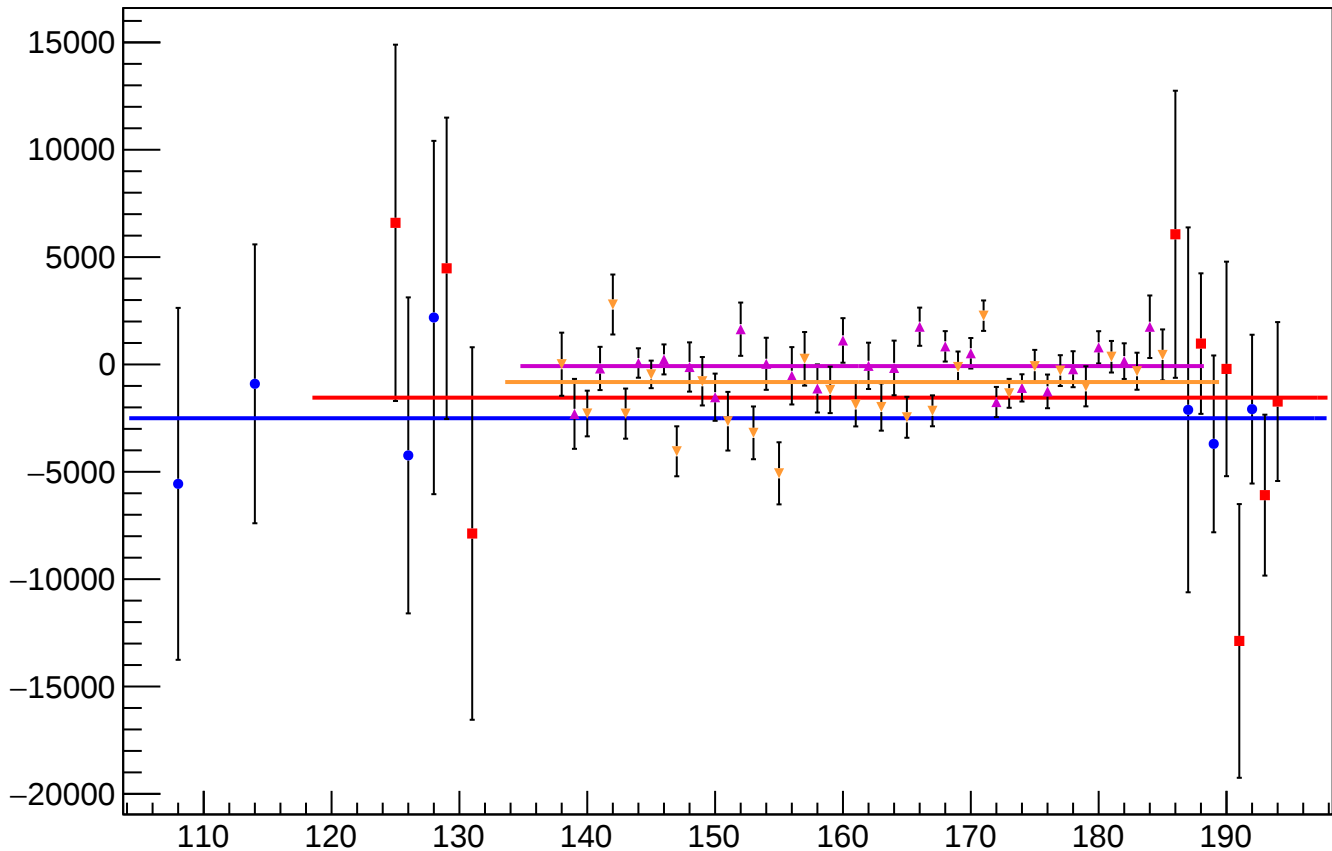
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 93.404 $\pm$ 0.013 χ^2 /NDF: 3762459.4/44

All: 94.773 $\pm$ 0.010 χ^2 /NDF: 9555799.1/92

- sign 96.210 $\pm$ 0.014 χ^2 /NDF: 5772014.1/47

asym_sam3_correction_mean vs Slug



Right In: -2504.361 ± 2094.608 χ^2/NDF : 0.7/6

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: -1546.443 ± 1637.956 χ^2/NDF : 8.8/8

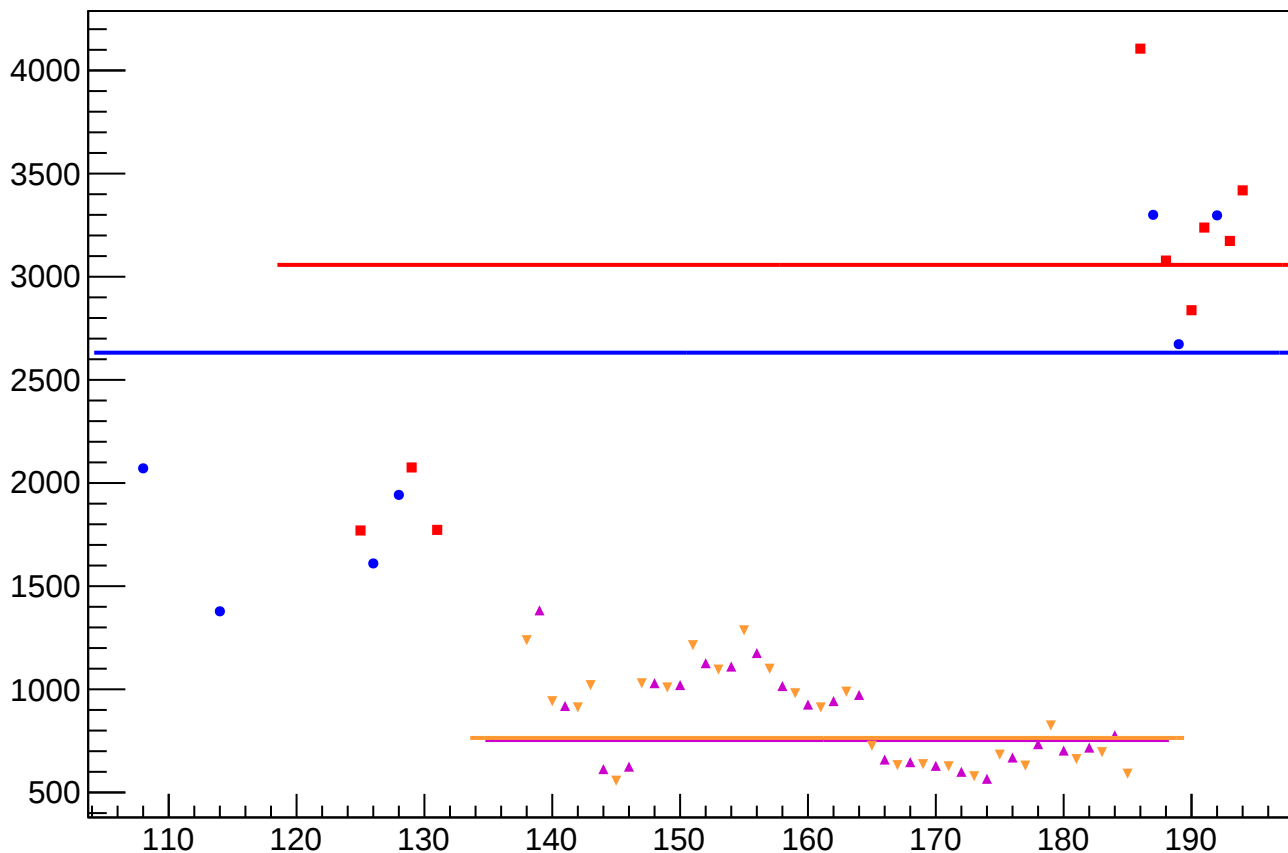
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -831.848 ± 183.753 χ^2/NDF : 69.5/31

All: -466.838 ± 130.529 χ^2/NDF : 115.4/63

- sign -95.051 ± 185.451 χ^2/NDF : 37.9/31

asym_sam3_correction_rms vs Slug



Right In: 2631.849 $\pm$ 1.481 χ^2/NDF : 222849.2/6

Left Out: 764.280 $\pm$ 0.130 χ^2/NDF : 2315985.8/24

Right Out: 3057.462 $\pm$ 1.158 χ^2/NDF : 206851.7/8

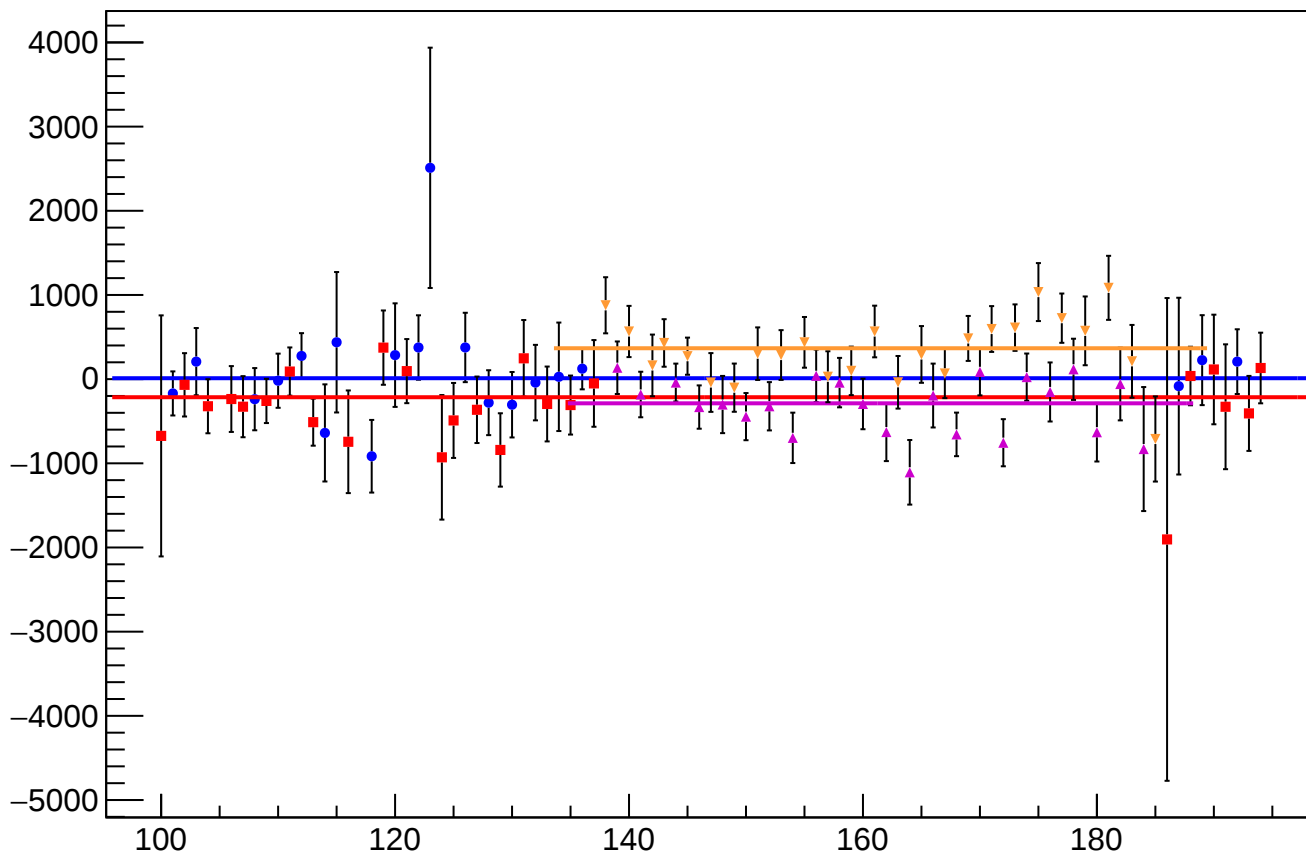
Left In: 754.027 $\pm$ 0.132 χ^2/NDF : 2013386.7/22

+ sign 778.652 $\pm$ 0.130 χ^2/NDF : 4116529.4/31

All: 781.081 $\pm$ 0.092 χ^2/NDF : 10242055.4/63

- sign 783.554 $\pm$ 0.131 χ^2/NDF : 6124820.8/31

reg_asym_sam4_mean vs Slug



Right In: 10.968 ± 89.209 χ^2/NDF : 15.1/19

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -214.831 ± 81.862 χ^2/NDF : 12.7/24

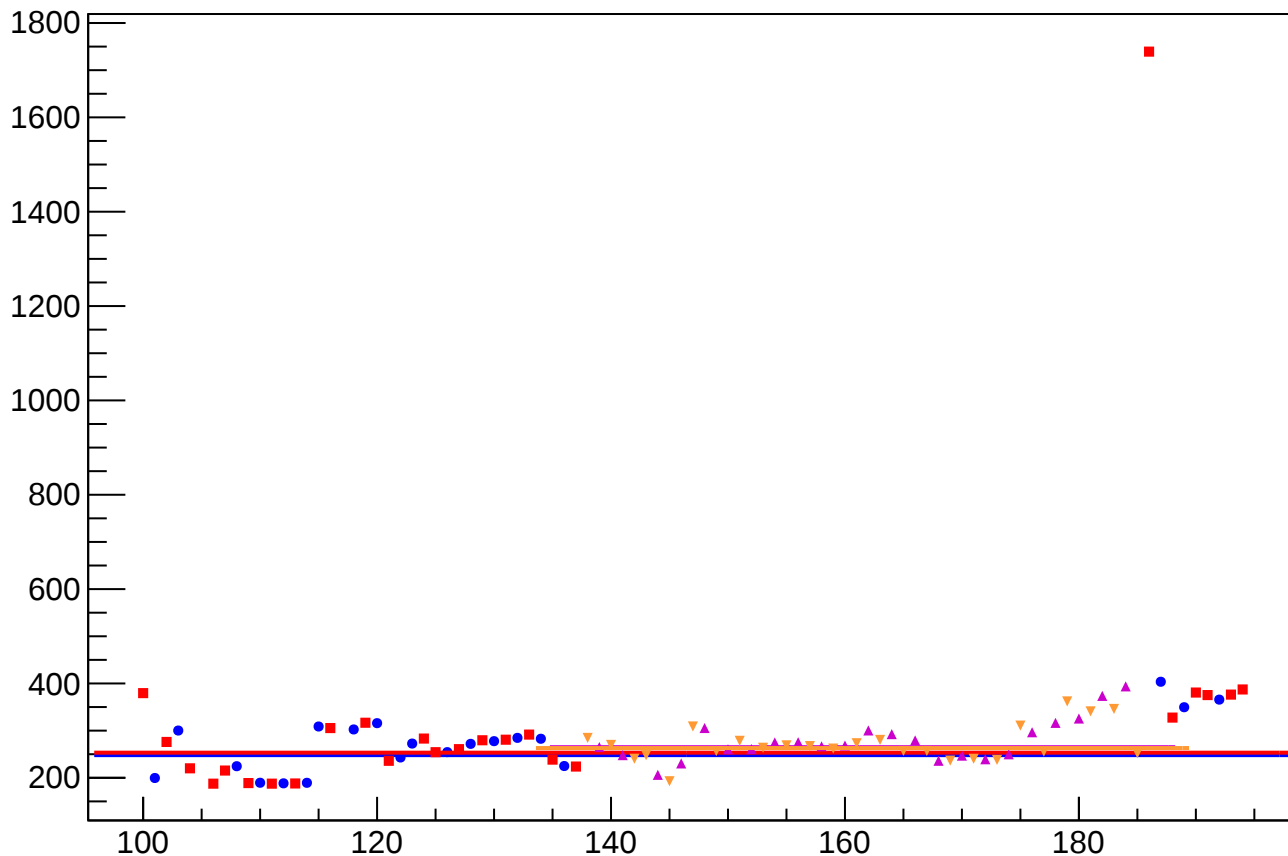
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 251.201 ± 50.880 χ^2/NDF : 54.1/44

All: -6.224 ± 35.839 χ^2/NDF : 142.0/92

- sign -259.701 ± 50.489 χ^2/NDF : 37.1/47

reg_asym_sam4_rms vs Slug



Right In: 248.046 $\pm$ 0.063 χ^2 /NDF: 722860.4/19

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 253.284 $\pm$ 0.058 χ^2 /NDF: 1676718.3/24

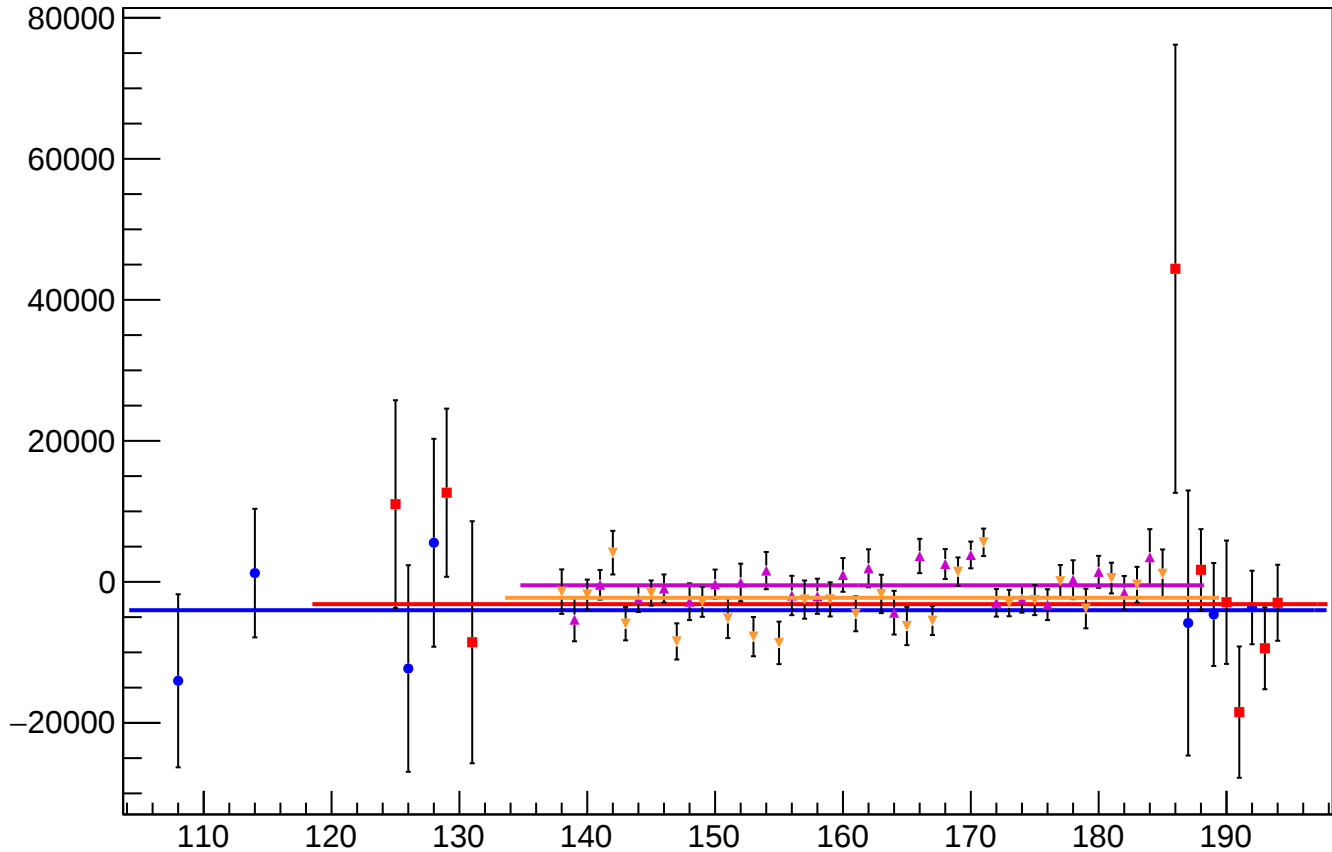
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 258.205 $\pm$ 0.036 χ^2 /NDF: 1403528.1/44

All: 259.359 $\pm$ 0.025 χ^2 /NDF: 3716365.3/92

- sign 260.496 $\pm$ 0.036 χ^2 /NDF: 2310794.3/47

asym_sam4_correction_mean vs Slug



Right In: -4017.947 ± 3404.787 $\chi^2/\text{NDF}: 1.8/6$

Left Out: -2260.196 ± 475.336 $\chi^2/\text{NDF}: 52.3/24$

Right Out: -3159.910 ± 2725.280 $\chi^2/\text{NDF}: 9.6/8$

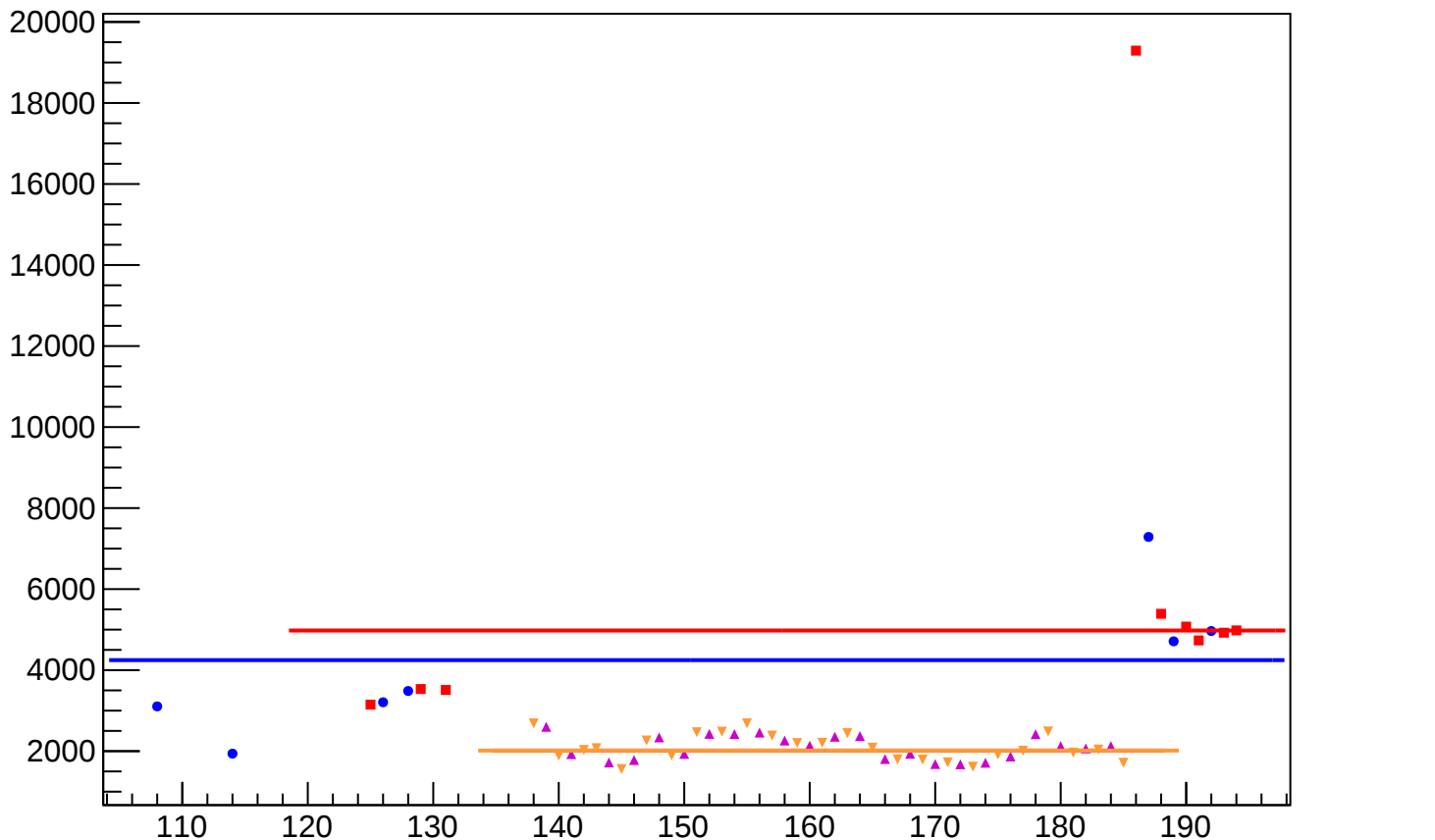
Left In: -485.590 ± 487.465 $\chi^2/\text{NDF}: 24.8/22$

+ sign -2293.801 ± 470.770 $\chi^2/\text{NDF}: 54.4/31$

All: -1447.627 ± 336.049 $\chi^2/\text{NDF}: 96.2/63$

- sign -568.499 ± 479.850 $\chi^2/\text{NDF}: 35.3/31$

asym_sam4_correction_rms vs Slug



Right In: 4247.012 $\pm$ 2.408 χ^2/NDF : 259241.8/6

Left Out: 2014.106 $\pm$ 0.336 χ^2/NDF : 835656.9/24

Right Out: 4977.455 $\pm$ 1.927 χ^2/NDF : 492399.9/8

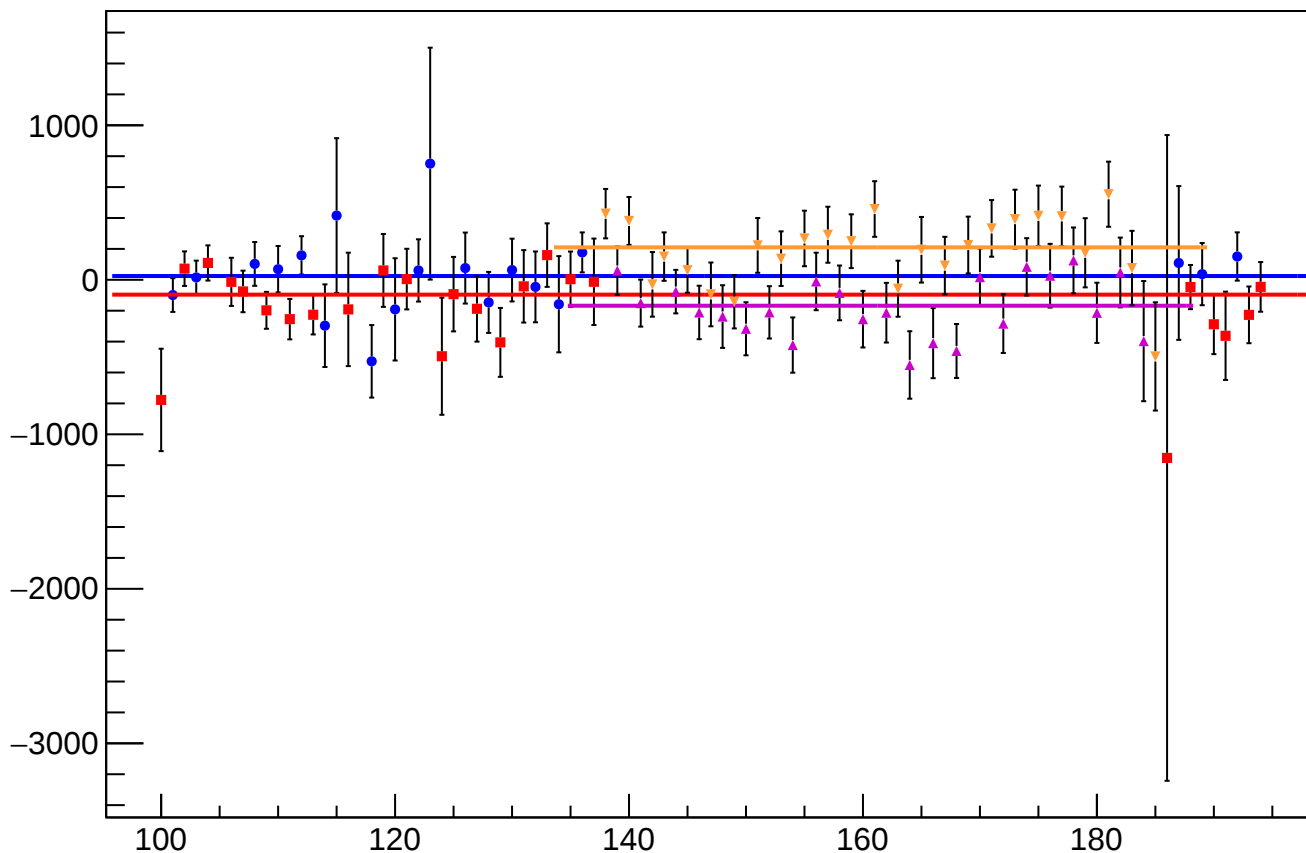
Left In: 2013.245 $\pm$ 0.345 χ^2/NDF : 662077.8/22

+ sign 2056.794 $\pm$ 0.333 χ^2/NDF : 1938637.5/31

All: 2080.506 $\pm$ 0.238 χ^2/NDF : 5396167.4/63

- sign 2105.141 $\pm$ 0.339 χ^2/NDF : 3447184.3/31

reg_asym_sam5_mean vs Slug



Right In: 24.329 ± 39.939 $\chi^2/\text{NDF}: 15.2/19$

Left Out: 210.086 ± 37.093 $\chi^2/\text{NDF}: 27.5/24$

Right Out: -96.105 ± 35.077 $\chi^2/\text{NDF}: 22.1/24$

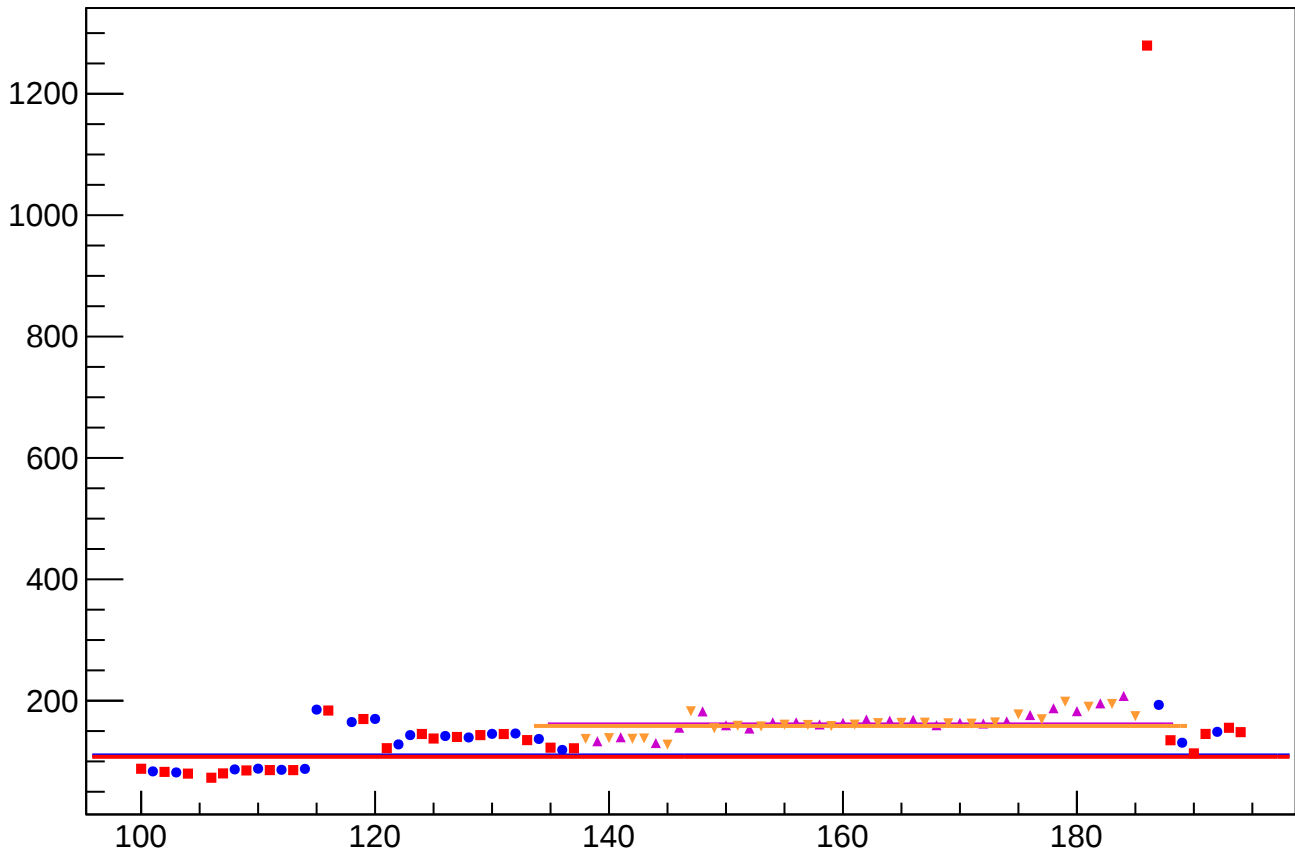
Left In: -167.822 ± 38.718 $\chi^2/\text{NDF}: 21.1/22$

+ sign 124.060 ± 27.179 $\chi^2/\text{NDF}: 54.3/44$

All: -7.808 ± 18.786 $\chi^2/\text{NDF}: 144.5/92$

- sign -128.434 ± 25.995 $\chi^2/\text{NDF}: 45.1/47$

reg_asym_sam5_rms vs Slug



Right In: 109.862 $\pm$ 0.028 χ^2 /NDF: 1093386.3/19

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 107.621 $\pm$ 0.025 χ^2 /NDF: 2084211.7/24

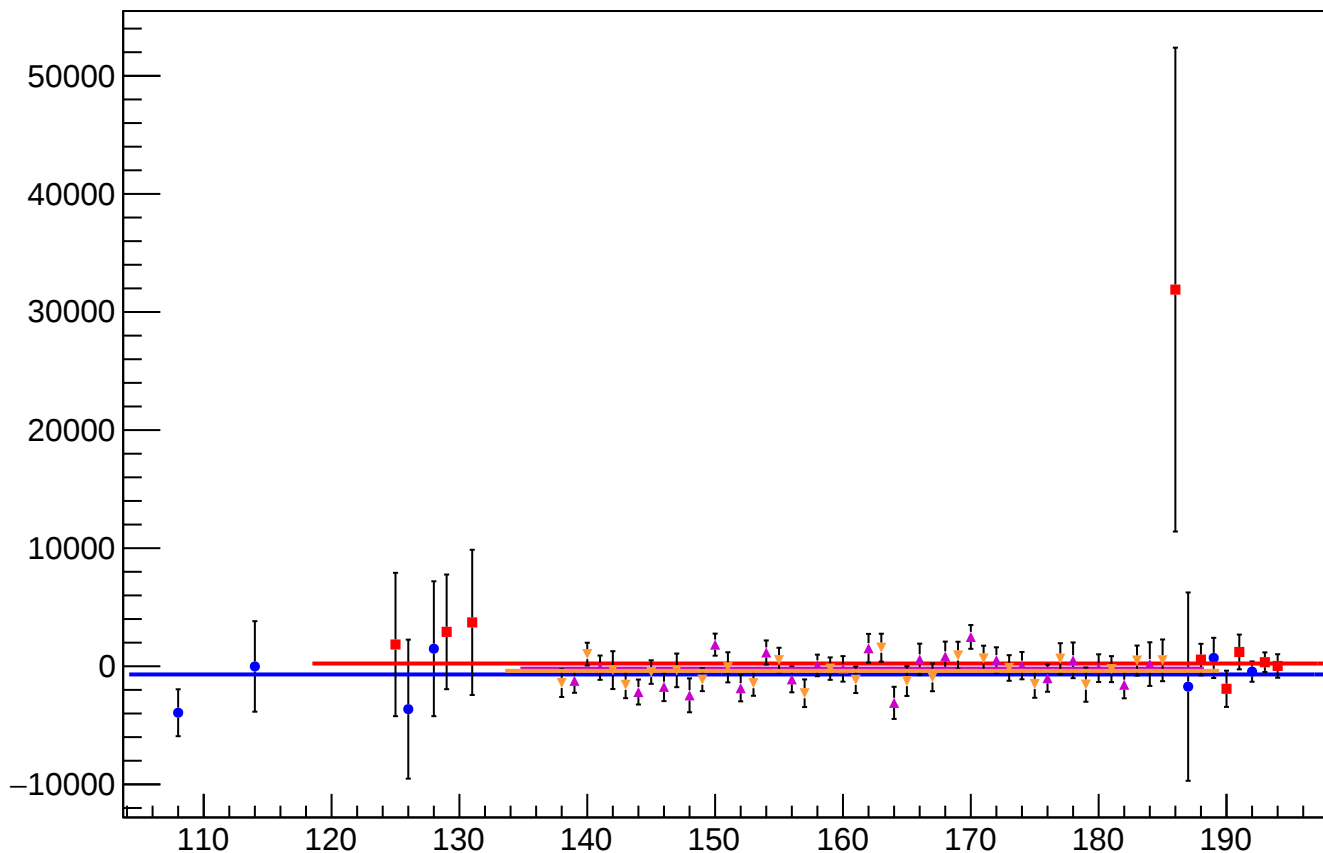
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.943 $\pm$ 0.019 χ^2 /NDF: 3116238.2/44

All: 133.706 $\pm$ 0.013 χ^2 /NDF: 7689784.5/92

- sign 131.660 $\pm$ 0.018 χ^2 /NDF: 4547600.3/47

asym_sam5_correction_mean vs Slug



Right In: -692.630+/-691.607 χ^2/NDF : 3.9/6

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: 234.007+/-499.753 χ^2/NDF : 5.6/8

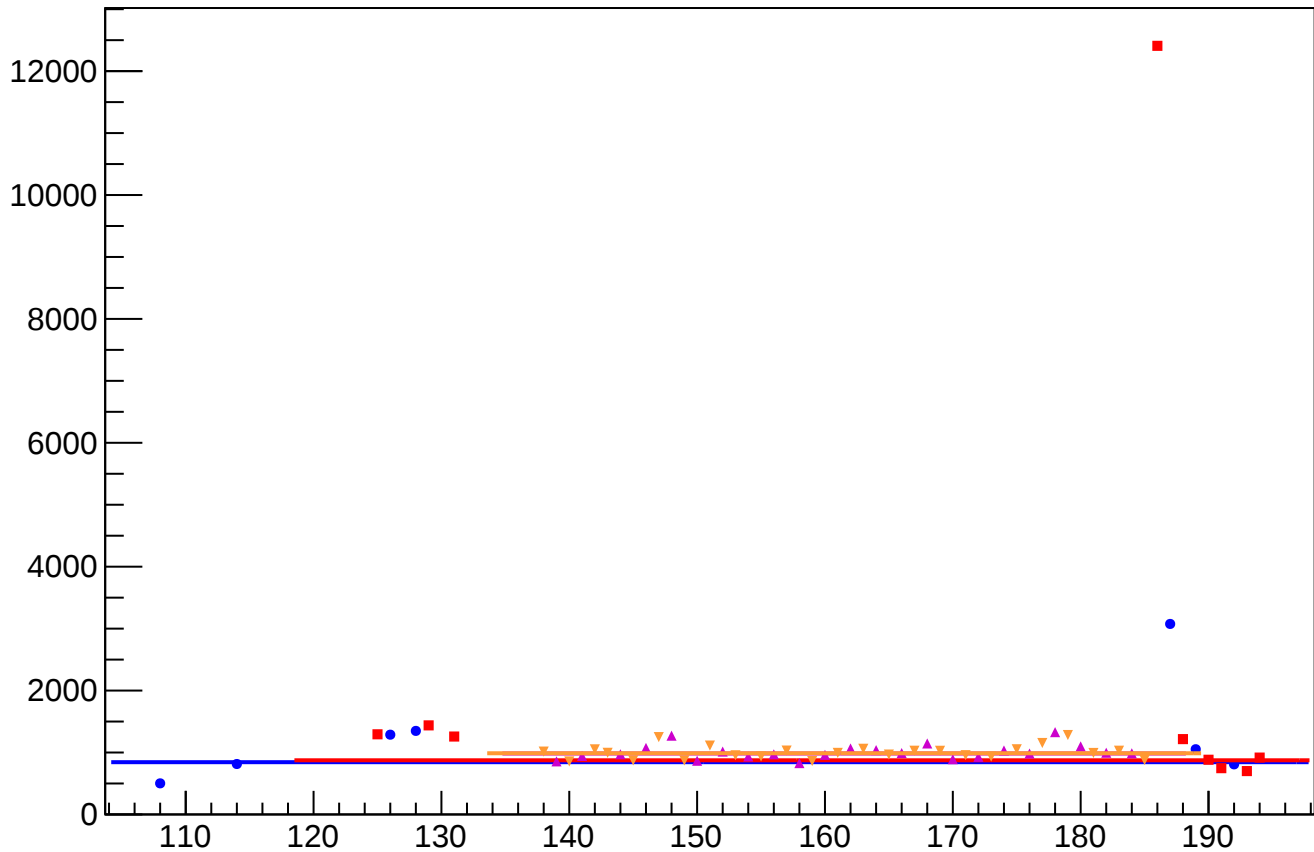
Left In: -202.234+/-237.460 χ^2/NDF : 35.5/22

+ sign -416.092+/-219.812 χ^2/NDF : 22.1/31

All: -265.375+/-153.510 χ^2/NDF : 64.7/63

- sign -121.884+/-214.479 χ^2/NDF : 41.7/31

asym_sam5_correction_rms vs Slug



Right In: 843.821+/-0.489 χ^2/NDF : 276509.4/6

Left Out: 987.869+/-0.164 χ^2/NDF : 376958.5/24

Right Out: 874.472+/-0.353 χ^2/NDF : 915479.7/8

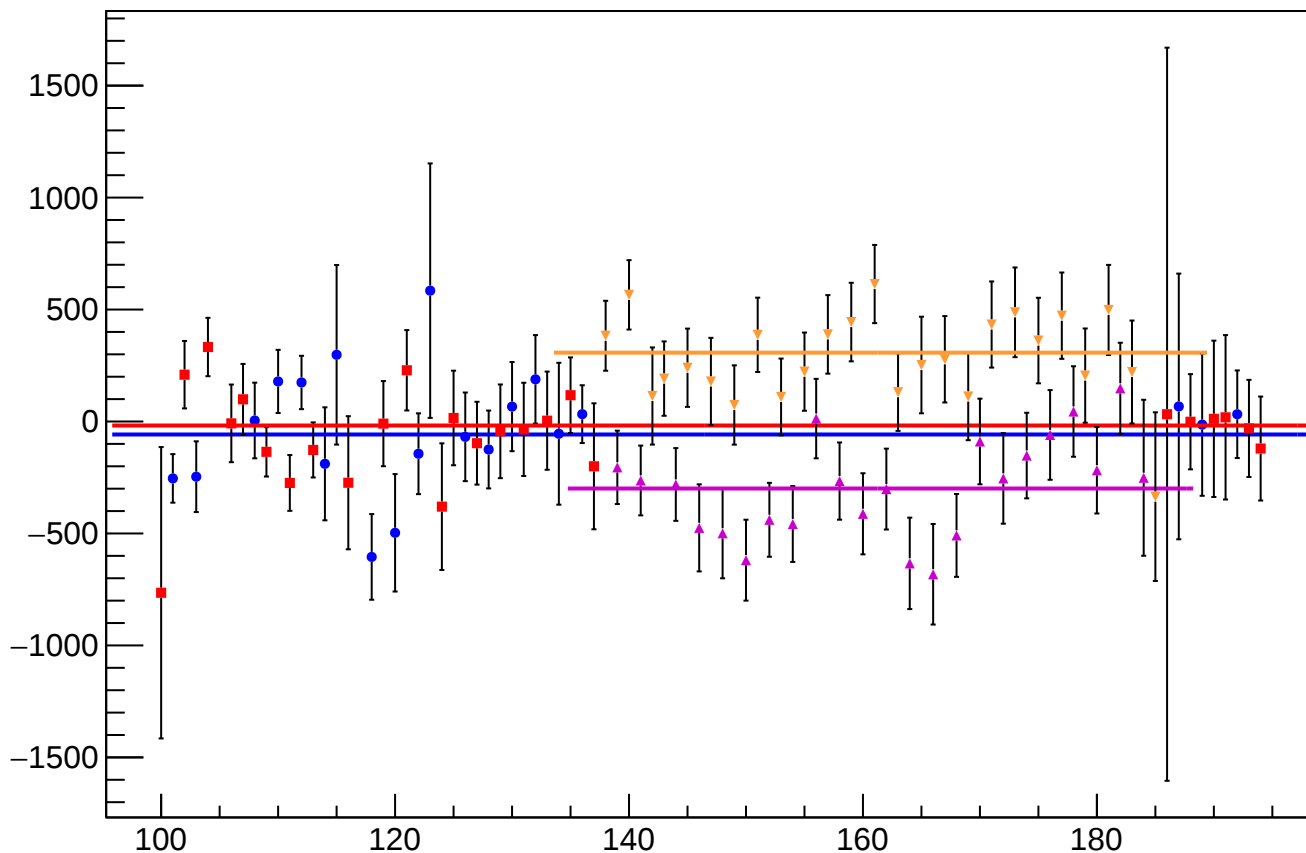
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 973.318+/-0.155 χ^2/NDF : 731464.9/31

All: 968.411+/-0.109 χ^2/NDF : 2143374.4/63

- sign 963.739+/-0.152 χ^2/NDF : 1409964.0/31

reg_asym_sam6_mean vs Slug



Right In: -57.976 ± 40.934 $\chi^2/\text{NDF}: 27.9/19$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: -17.857 ± 37.324 $\chi^2/\text{NDF}: 23.3/24$

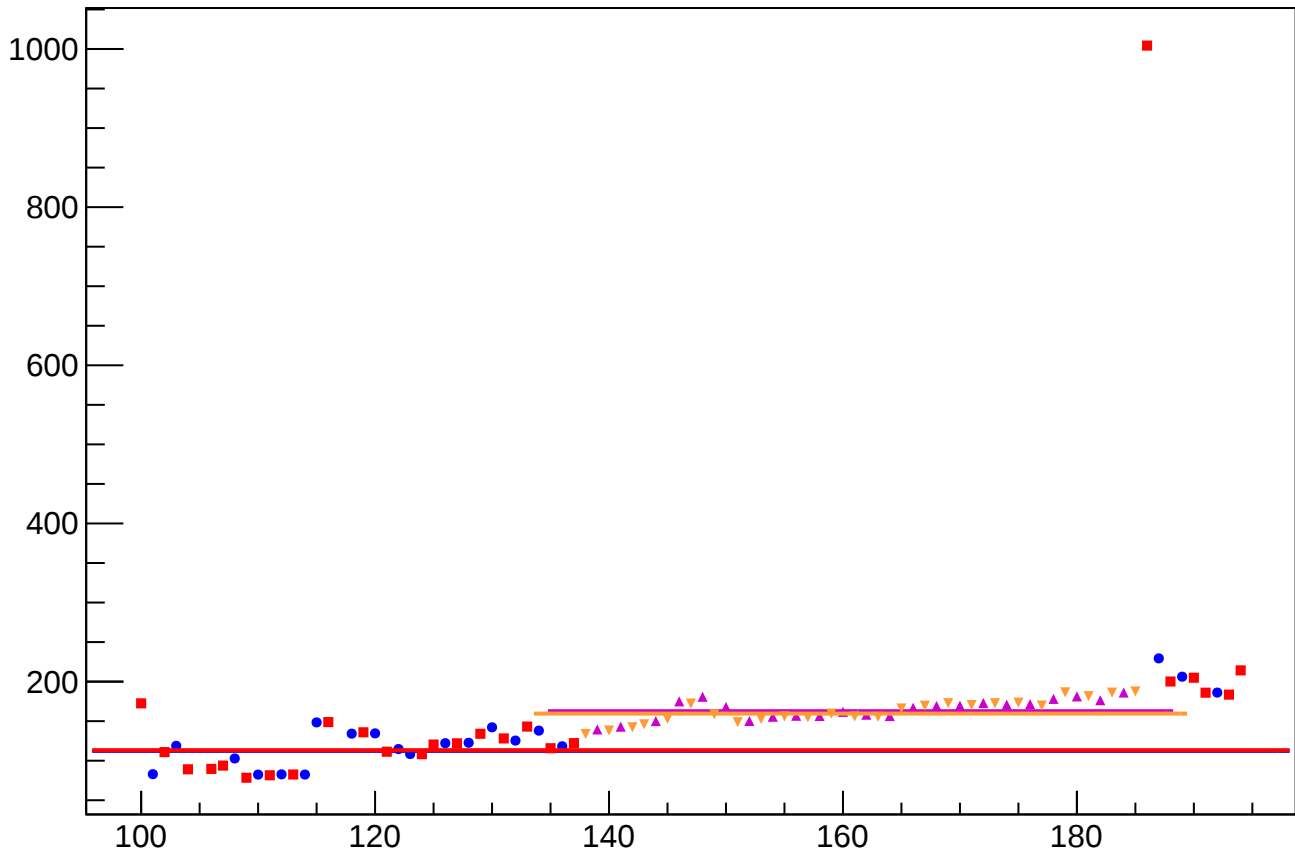
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 141.805 ± 27.562 $\chi^2/\text{NDF}: 92.1/44$

All: -8.457 ± 19.276 $\chi^2/\text{NDF}: 229.3/92$

- sign -152.318 ± 26.968 $\chi^2/\text{NDF}: 79.0/47$

reg_asym_sam6_rms vs Slug



Right In: 112.445 $\pm$ 0.029 χ^2 /NDF: 1075365.0/19

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 113.258 $\pm$ 0.026 χ^2 /NDF: 2471930.8/24

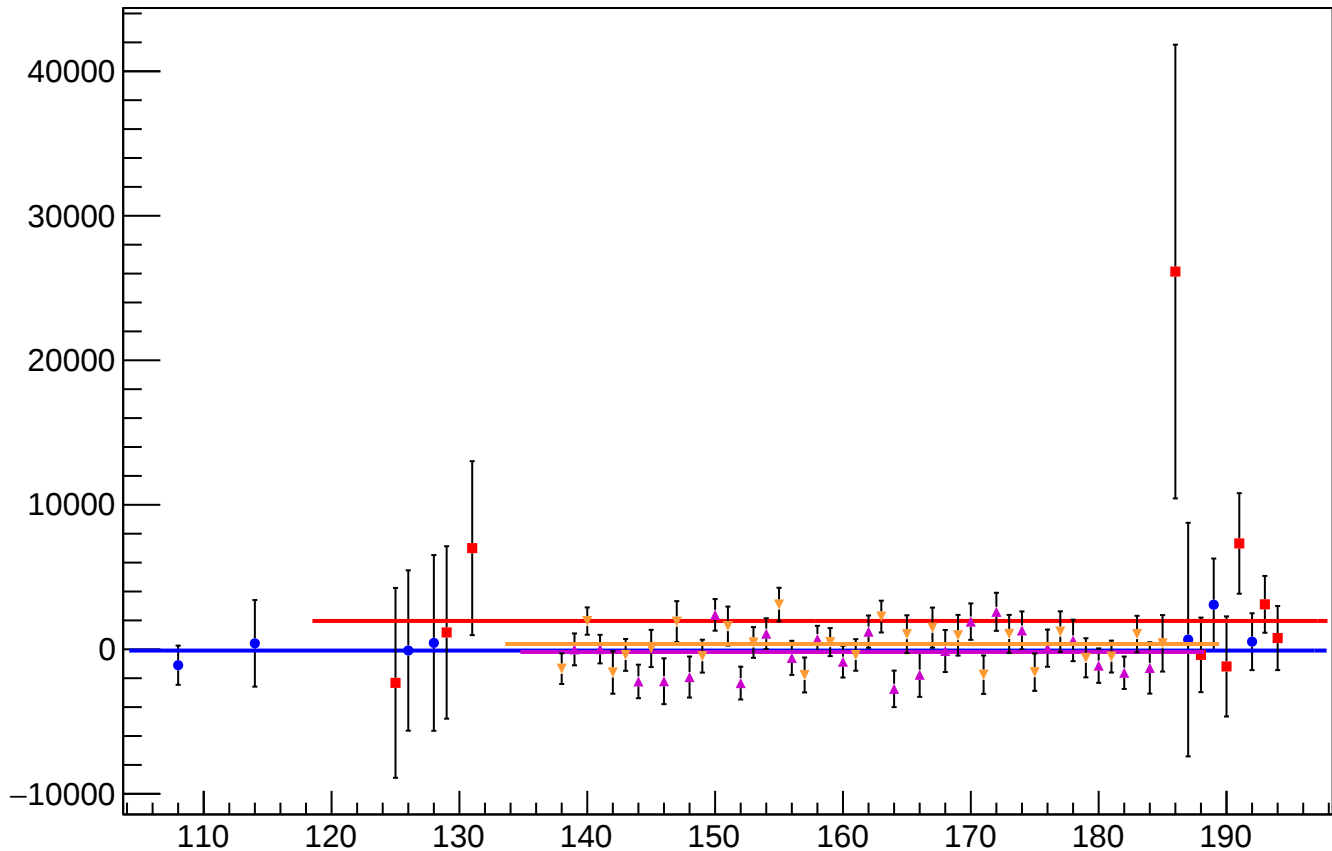
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 138.205 $\pm$ 0.019 χ^2 /NDF: 2812011.4/44

All: 137.509 $\pm$ 0.014 χ^2 /NDF: 7156973.4/92

- sign 136.843 $\pm$ 0.019 χ^2 /NDF: 4342467.7/47

asym_sam6_correction_mean vs Slug



Right In: -86.985 ± 959.754 χ^2/NDF : 1.7/6

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: 1962.805 ± 1077.374 χ^2/NDF : 8.2/8

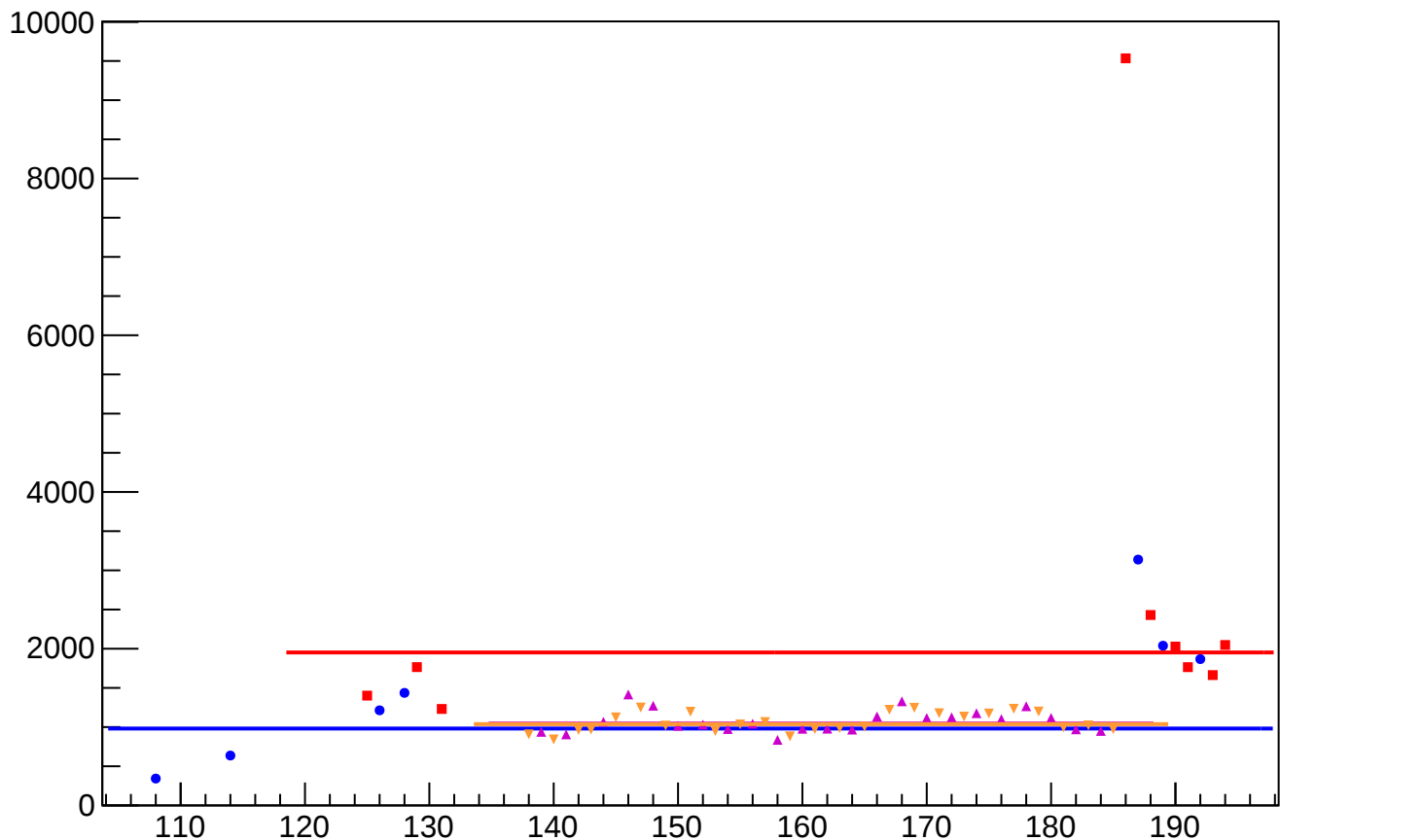
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 342.360 ± 236.041 χ^2/NDF : 32.4/31

All: 143.616 ± 170.190 χ^2/NDF : 82.3/63

- sign -71.577 ± 245.615 χ^2/NDF : 48.4/31

asym_sam6_correction_rms vs Slug



Right In: 981.333+/-0.679 χ^2/NDF : 1250521.5/6

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1952.247+/-0.762 χ^2/NDF : 633326.2/8

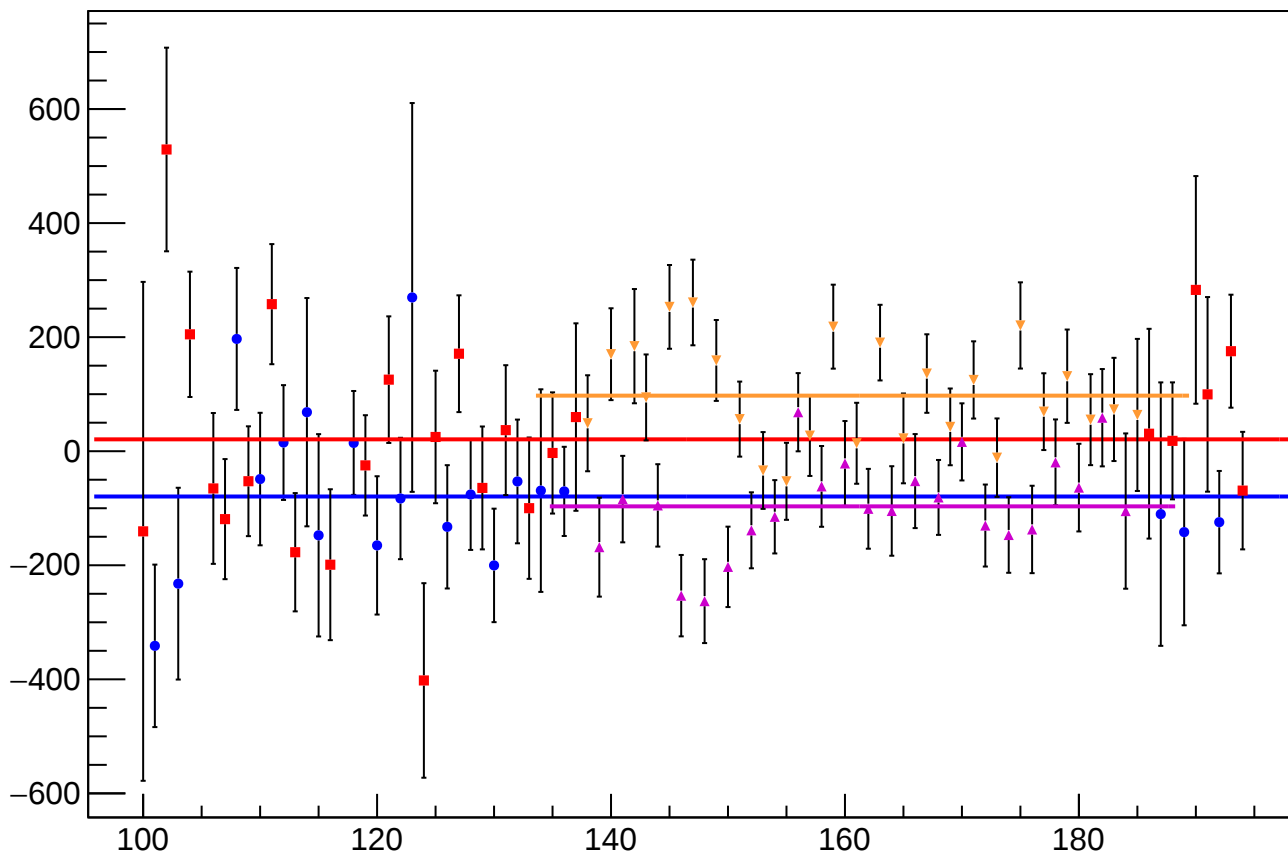
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1034.281+/-0.167 χ^2/NDF : 1751981.8/31

All: 1061.951+/-0.120 χ^2/NDF : 4331142.6/63

- sign 1091.911+/-0.174 χ^2/NDF : 2521917.8/31

reg_asym_sam7_mean vs Slug



Right In: -79.417 ± 26.565 $\chi^2/\text{NDF}: 15.6/19$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 20.803 ± 23.815 $\chi^2/\text{NDF}: 41.6/24$

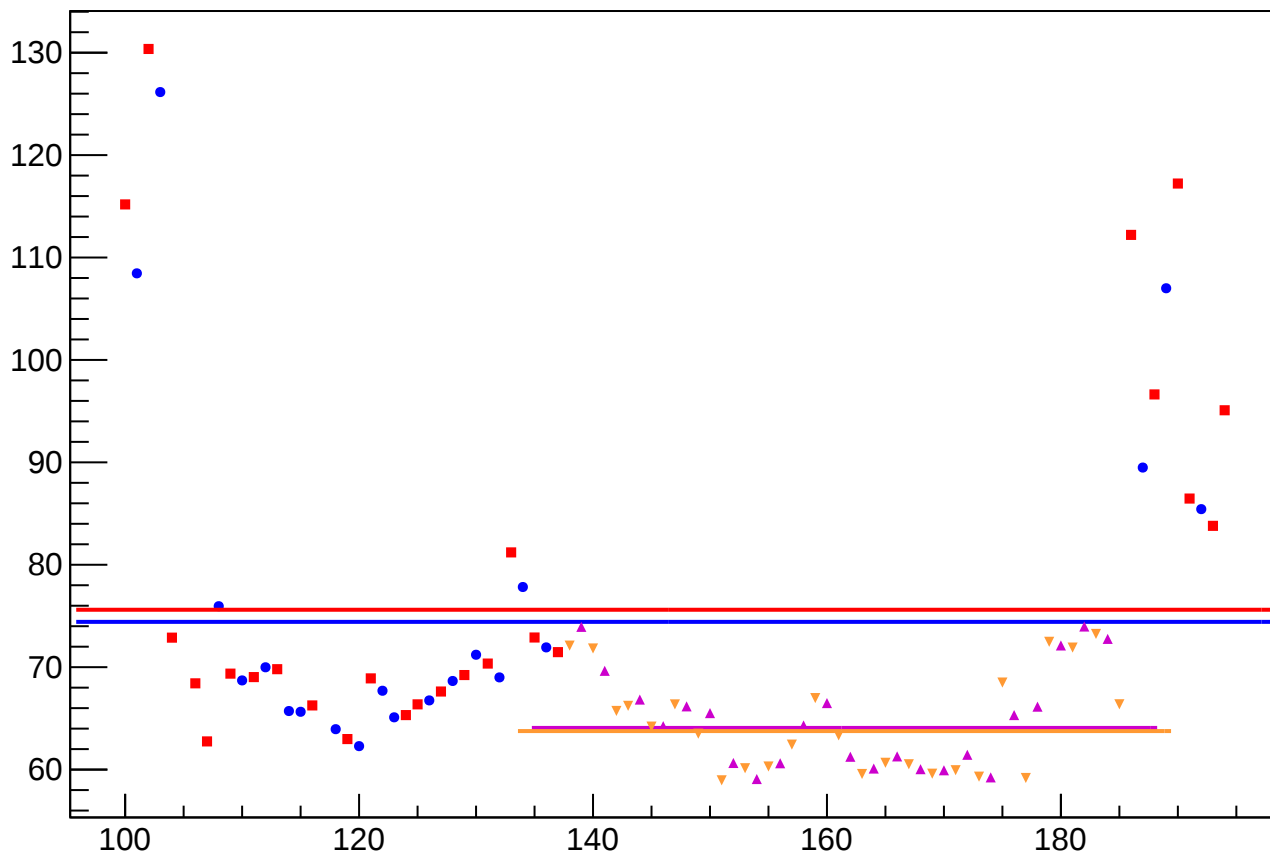
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 55.207 ± 12.982 $\chi^2/\text{NDF}: 85.3/44$

All: -3.783 ± 9.155 $\chi^2/\text{NDF}: 214.4/92$

- sign -62.153 ± 12.914 $\chi^2/\text{NDF}: 88.0/47$

reg_asym_sam7_rms vs Slug



Right In: 74.425 $\pm$ 0.019 χ^2 /NDF: 522111.6/19

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF: 192803.8/24

Right Out: 75.607 $\pm$ 0.017 χ^2 /NDF: 715794.6/24

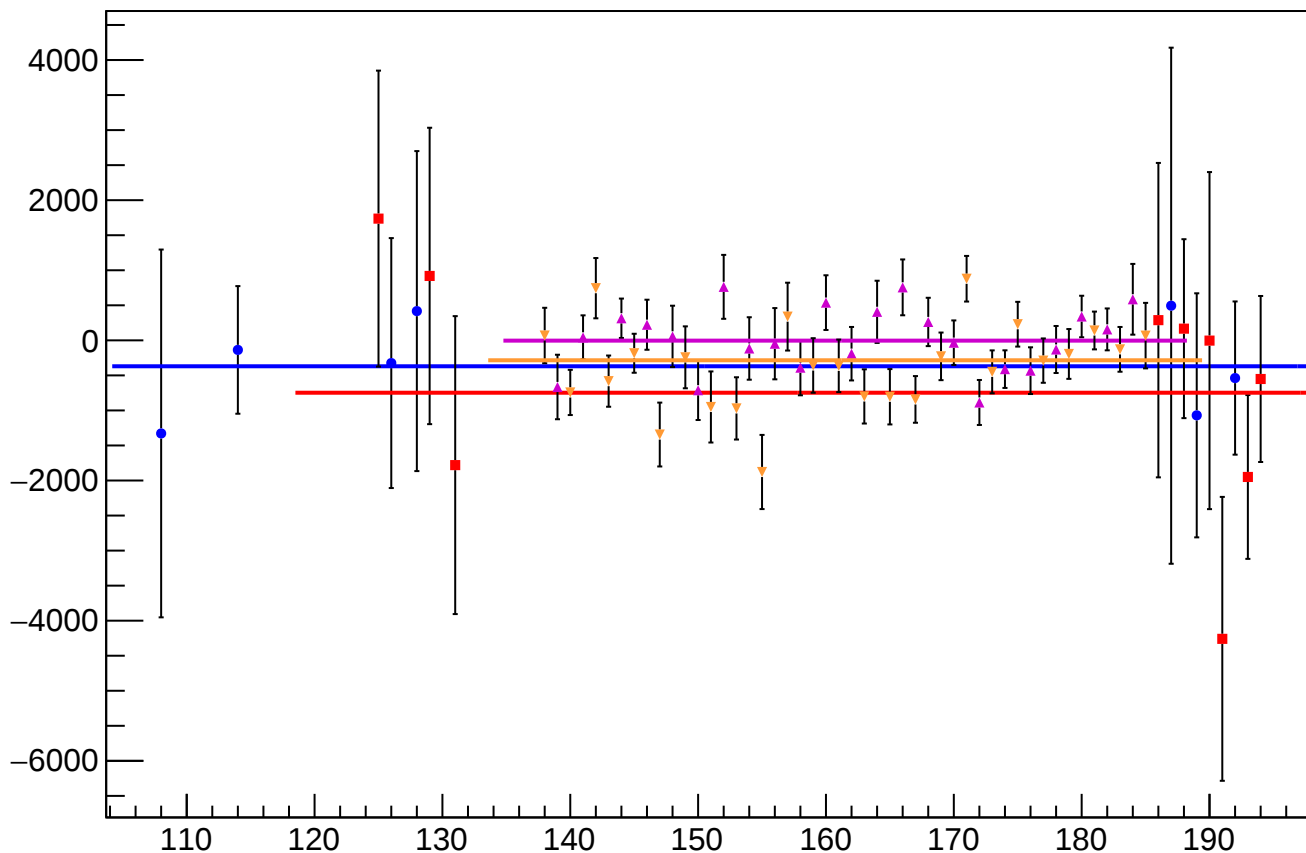
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 66.308 $\pm$ 0.009 χ^2 /NDF: 960219.5/44

All: 66.888 $\pm$ 0.006 χ^2 /NDF: 2180069.6/92

- sign 67.461 $\pm$ 0.009 χ^2 /NDF: 1211912.7/47

asym_sam7_correction_mean vs Slug



Right In: -369.942 ± 568.106 $\chi^2/\text{NDF}: 0.6/6$

Left Out: -284.304 ± 72.732 $\chi^2/\text{NDF}: 55.1/24$

Right Out: -747.325 ± 546.917 $\chi^2/\text{NDF}: 7.2/8$

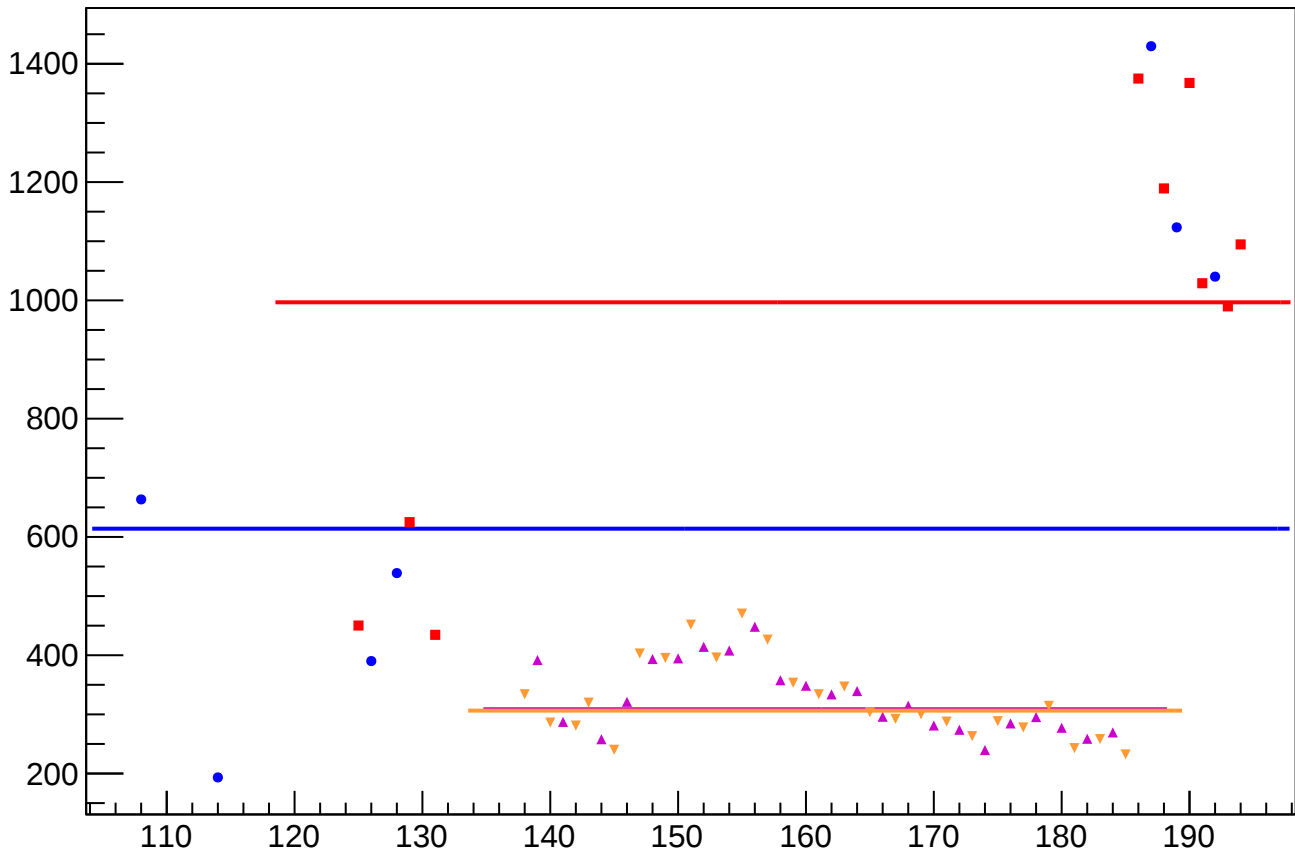
Left In: -4.037 ± 75.084 $\chi^2/\text{NDF}: 32.4/22$

+ sign -285.685 ± 72.144 $\chi^2/\text{NDF}: 55.6/31$

All: -155.836 ± 51.788 $\chi^2/\text{NDF}: 103.6/63$

- sign -17.787 ± 74.387 $\chi^2/\text{NDF}: 41.3/31$

asym_sam7_correction_rms vs Slug



Right In: 613.972 $\pm$ 0.402 χ^2 /NDF: 1034442.9/6

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF:1215669.9/24

Right Out: 996.733 $\pm$ 0.387 χ^2 /NDF: 499815.2/8

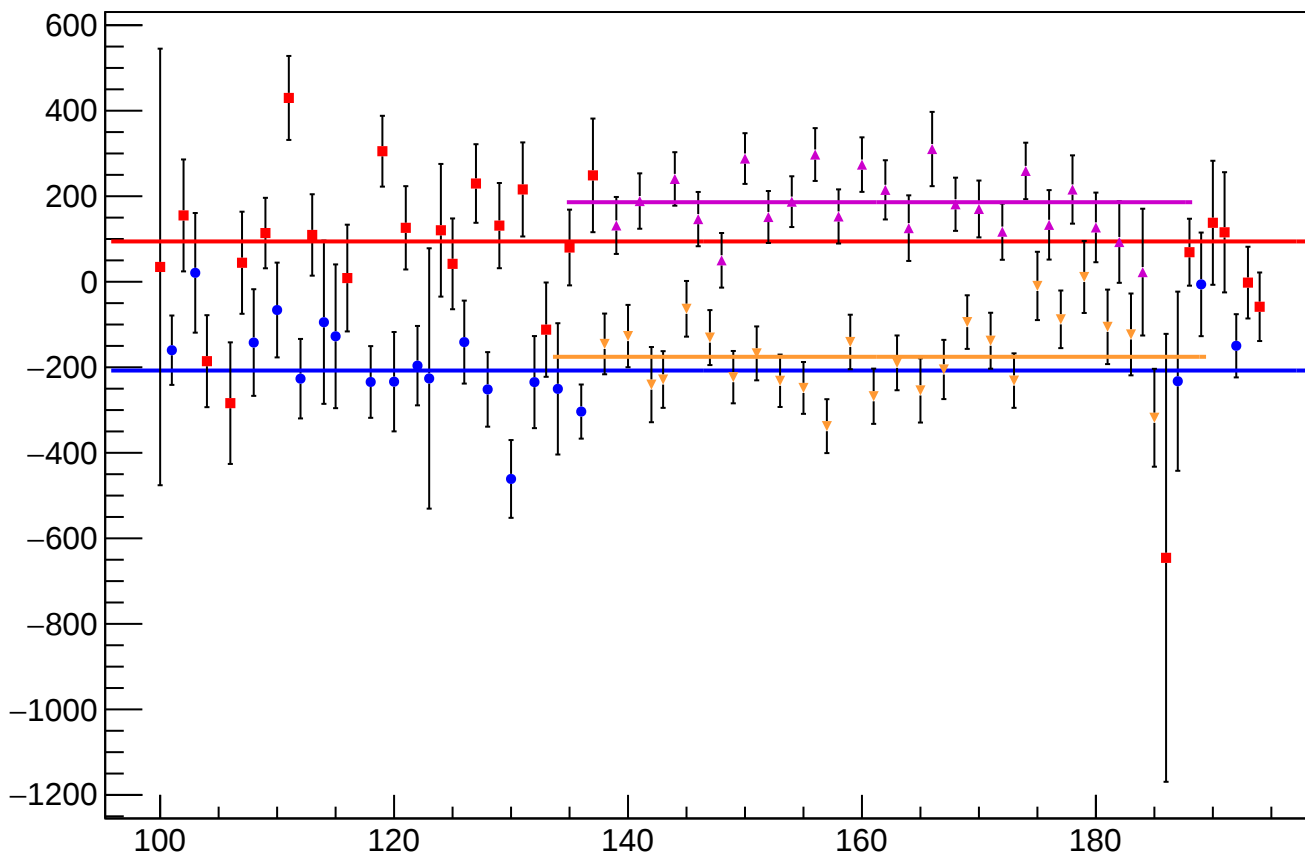
Left In: 308.727 $\pm$ 0.053 χ^2 /NDF:1002947.4/22

+ sign 311.323 $\pm$ 0.051 χ^2 /NDF: 2827024.4/31

All: 316.234 $\pm$ 0.037 χ^2 /NDF: 7455340.7/63

- sign 321.454 $\pm$ 0.053 χ^2 /NDF: 4609201.7/31

reg_asym_sam8_mean vs Slug



Right In: -207.572 ± 23.053 χ^2/NDF : 20.0/19

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 94.292 ± 21.288 χ^2/NDF : 48.9/24

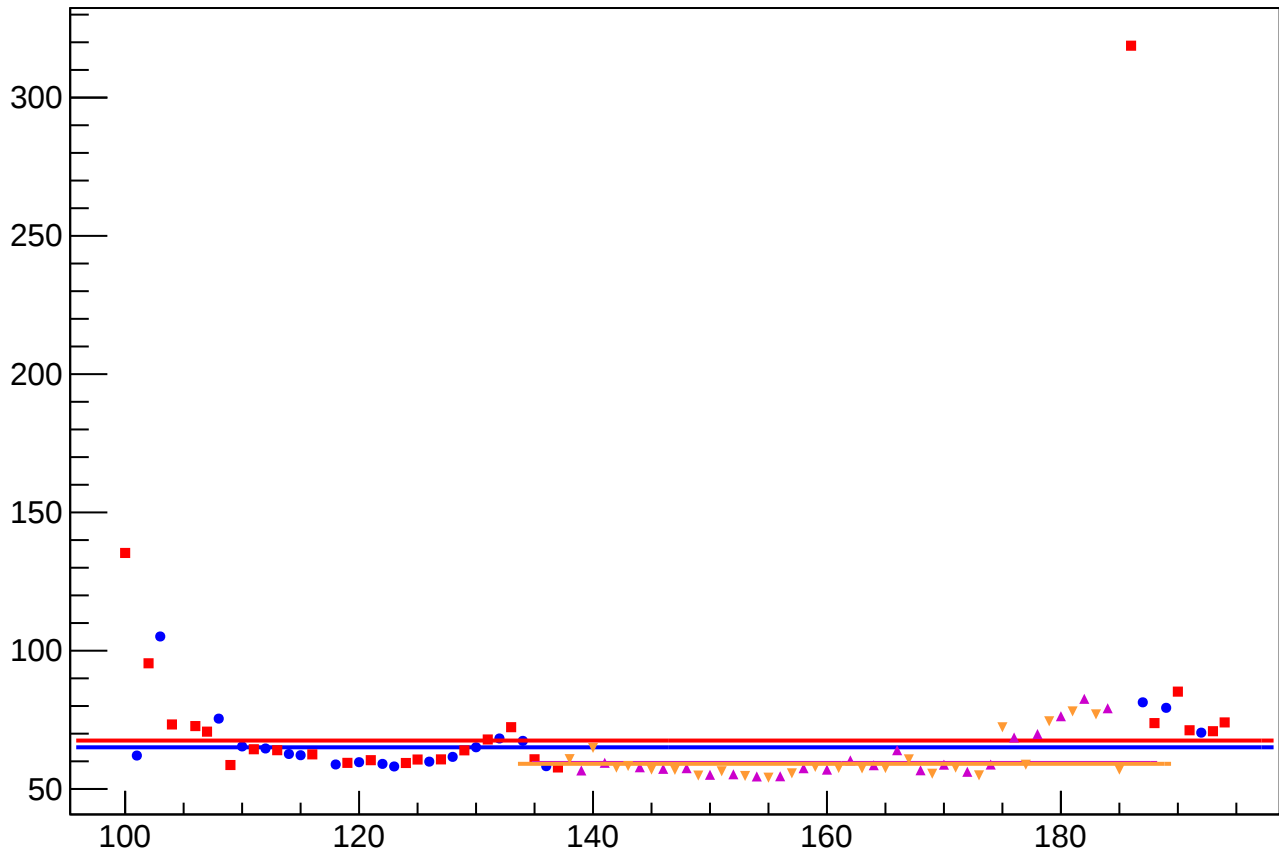
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -183.980 ± 11.869 χ^2/NDF : 56.1/44

All: -13.393 ± 8.396 χ^2/NDF : 554.8/92

- sign 157.476 ± 11.879 χ^2/NDF : 85.3/47

reg_asym_sam8_rms vs Slug



Right In: 65.068+/-0.016 χ^2/NDF : 290688.3/19

Left Out: 59.099+/-0.010 χ^2/NDF : 369788.6/24

Right Out: 67.511+/-0.015 χ^2/NDF : 771875.3/24

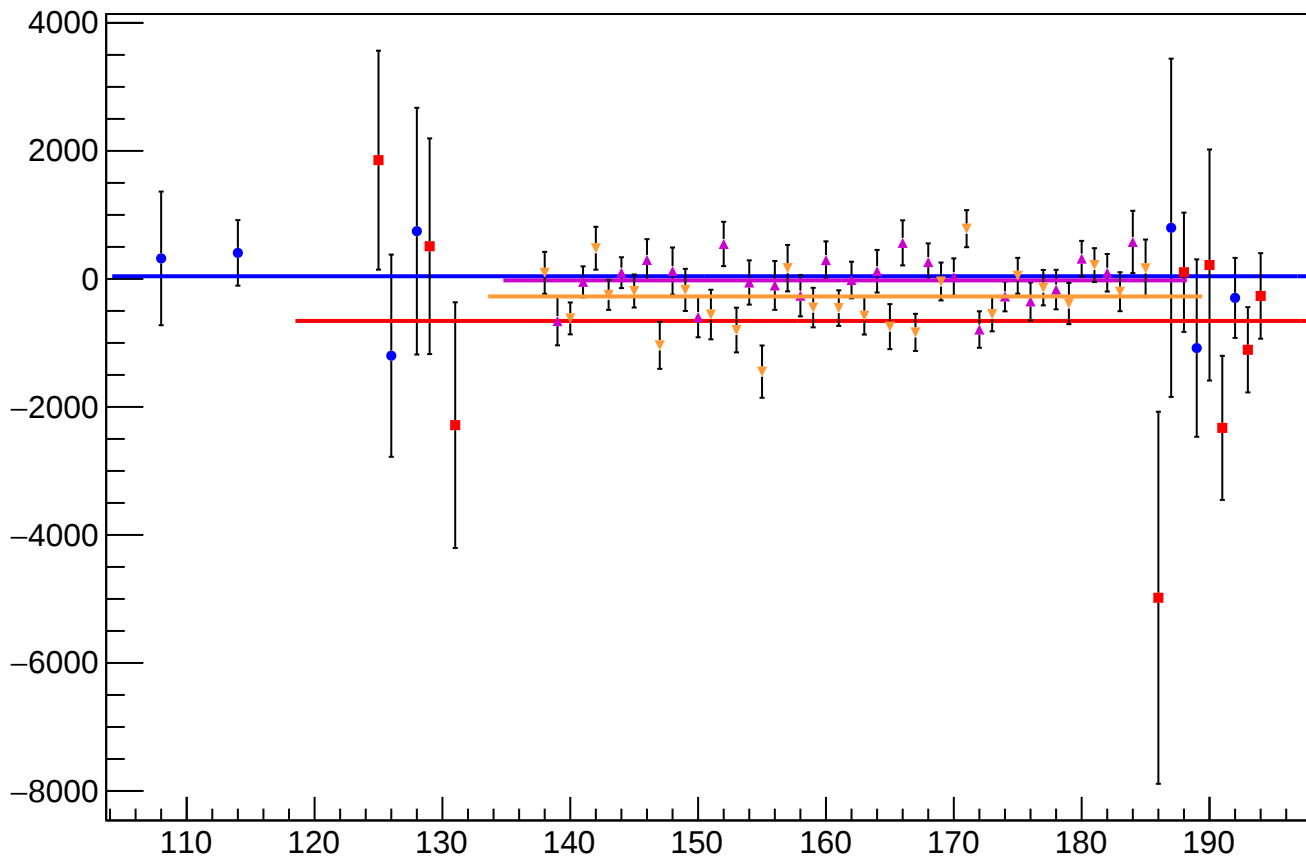
Left In: 59.410+/-0.010 χ^2/NDF : 373052.7/22

+ sign 60.682+/-0.008 χ^2/NDF : 759007.2/44

All: 61.307+/-0.006 χ^2/NDF : 2114455.7/92

- sign 61.933+/-0.008 χ^2/NDF : 1344346.1/47

asym_sam8_correction_mean vs Slug



Right In: 41.581 ± 340.629 χ^2/NDF : 2.4/6

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -656.477 ± 357.511 χ^2/NDF : 9.5/8

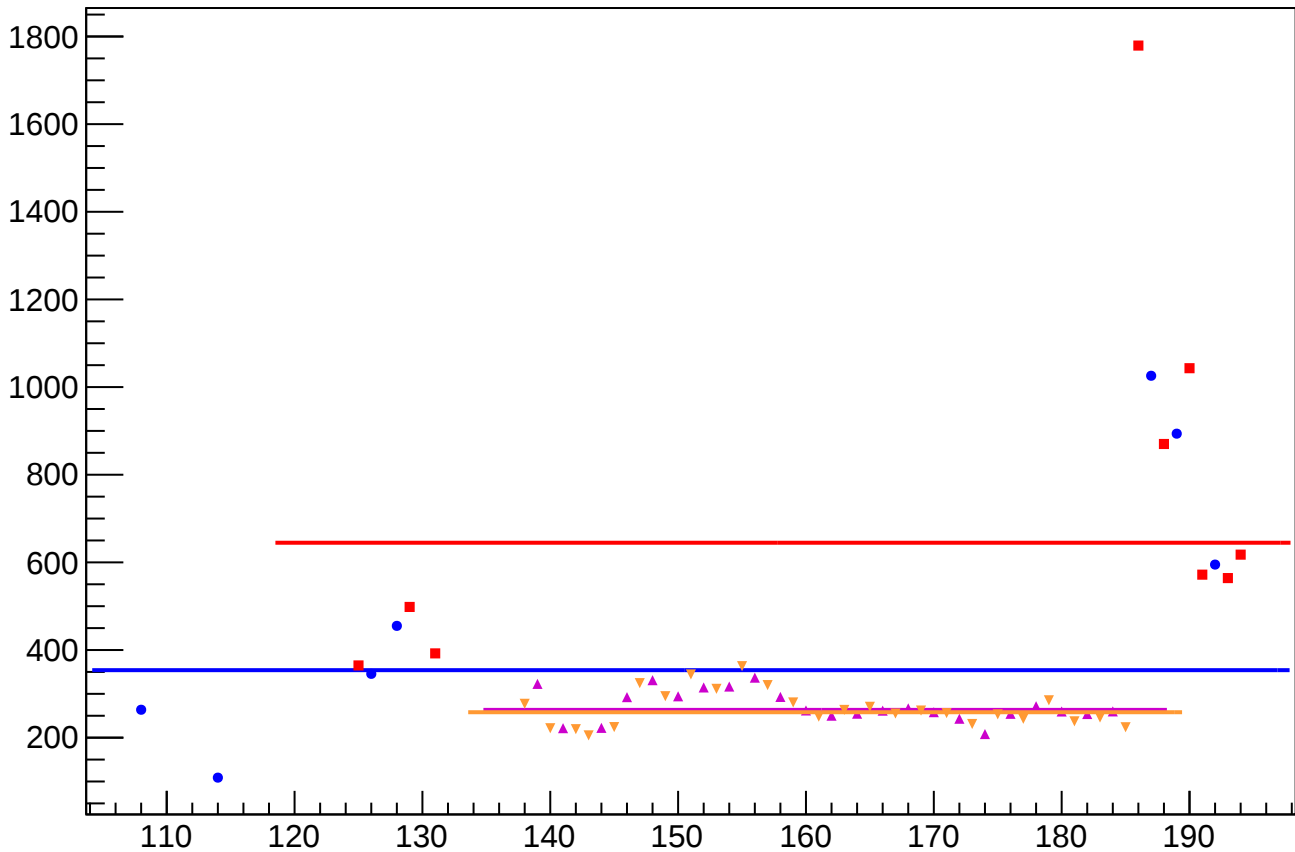
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -264.344 ± 59.853 χ^2/NDF : 57.1/31

All: -158.308 ± 43.280 χ^2/NDF : 105.1/63

- sign -42.100 ± 62.658 χ^2/NDF : 41.4/31

asym_sam8_correction_rms vs Slug



Right In: 354.026+/-0.241 χ^2/NDF : 1208291.4/6

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 644.815+/-0.253 χ^2/NDF : 663317.1/8

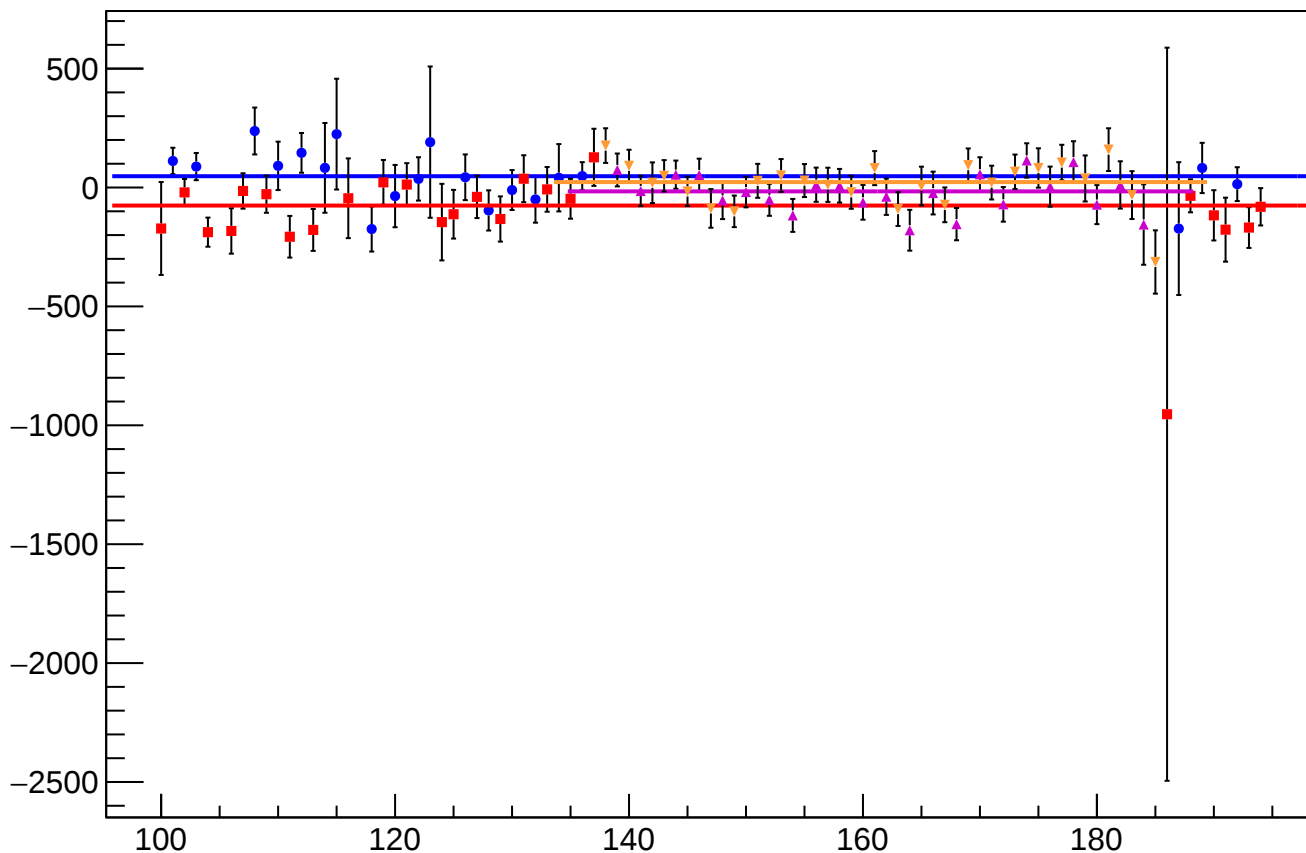
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 261.004+/-0.042 χ^2/NDF : 2087023.8/31

All: 267.735+/-0.031 χ^2/NDF : 5595468.4/63

- sign 275.113+/-0.044 χ^2/NDF : 3455422.0/31

reg_asym_sam_15_avg_mean vs Slug



Right In: 47.547 ± 20.189 χ^2/NDF : 19.2/19

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -75.842 ± 18.127 χ^2/NDF : 20.7/24

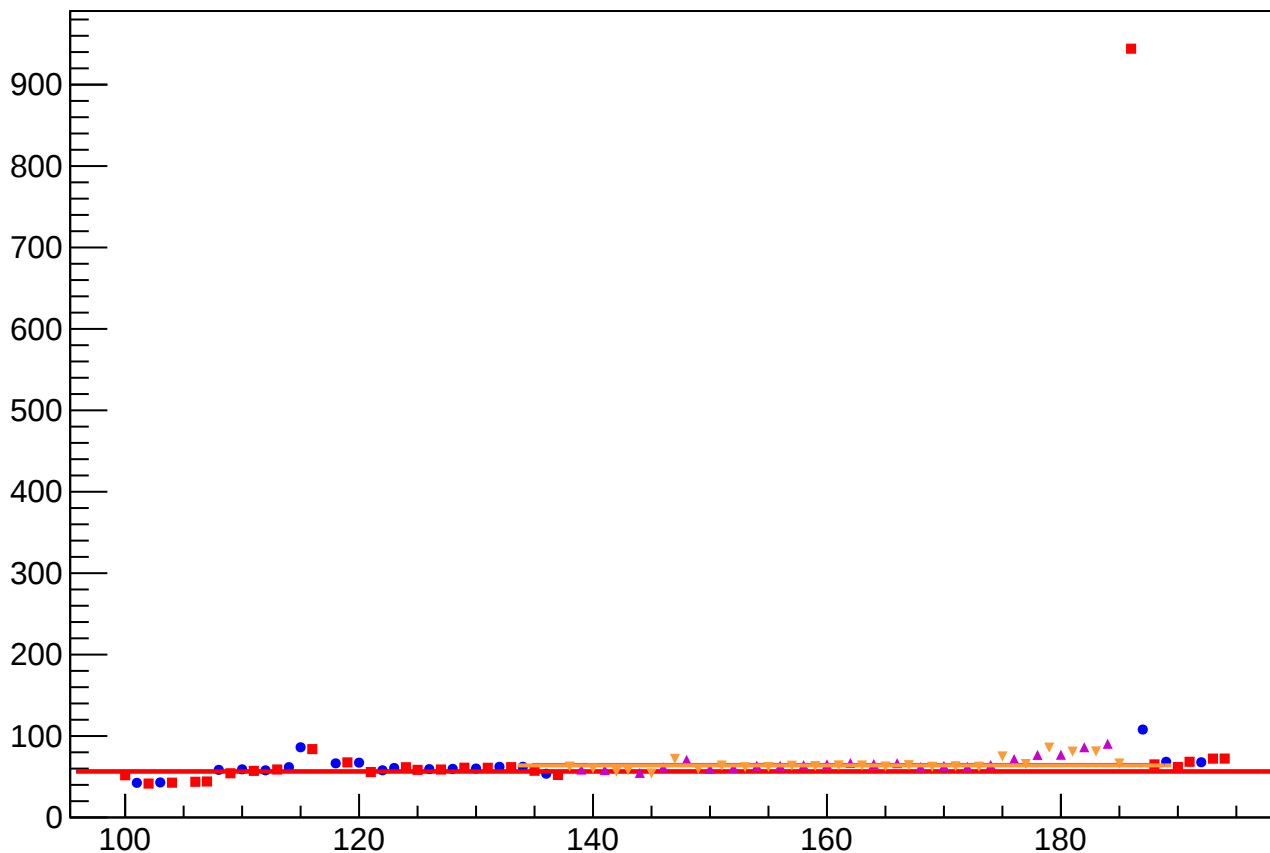
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 31.623 ± 12.024 χ^2/NDF : 49.1/44

All: -5.616 ± 8.420 χ^2/NDF : 118.2/92

- sign -41.446 ± 11.794 χ^2/NDF : 50.3/47

reg_asym_sam_15_avg_rms vs Slug



Right In: 56.478 $\pm$ 0.014 χ^2 /NDF: 477466.3/19

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 56.564 $\pm$ 0.013 χ^2 /NDF: 1303860.9/24

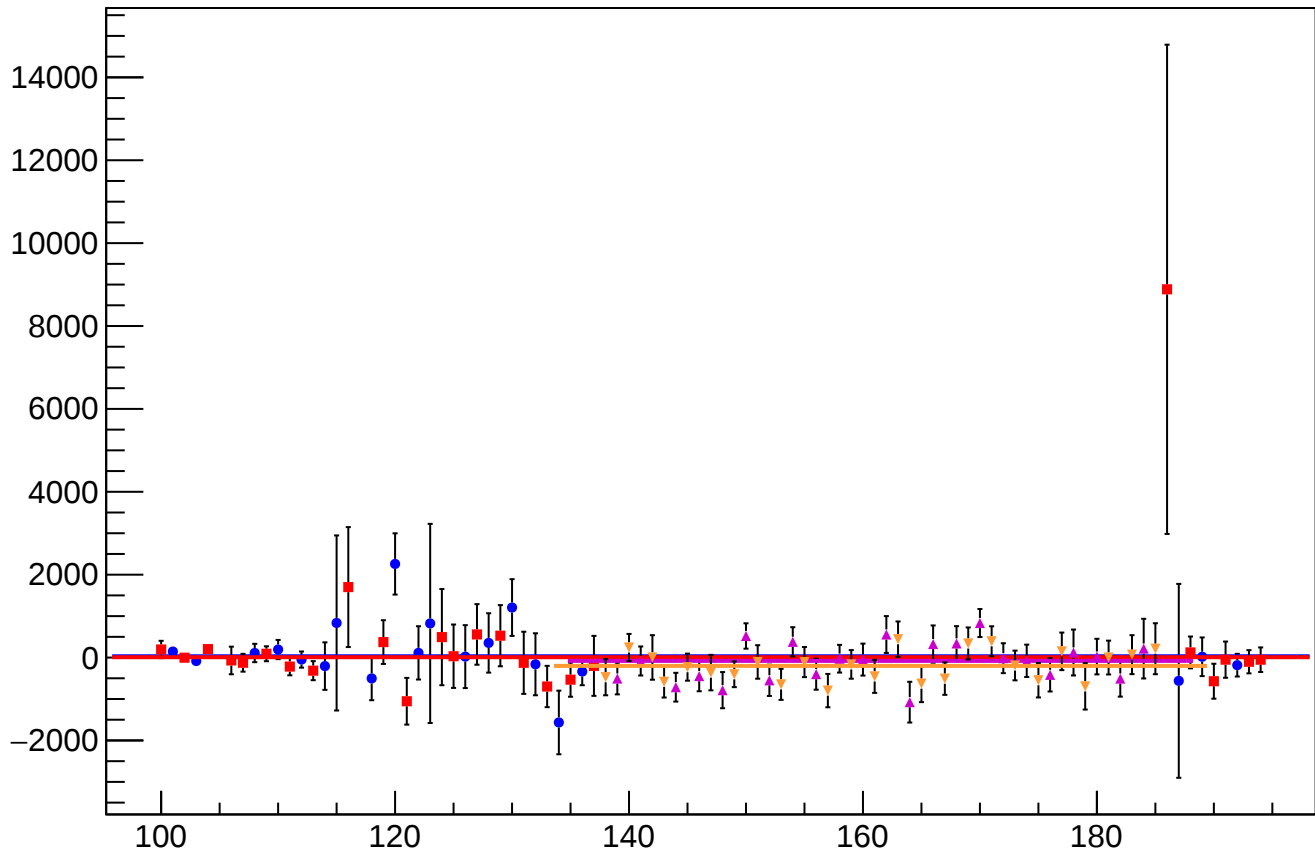
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.280 $\pm$ 0.009 χ^2 /NDF: 1048241.7/44

All: 61.212 $\pm$ 0.006 χ^2 /NDF: 2944434.1/92

- sign 61.147 $\pm$ 0.008 χ^2 /NDF: 1896066.5/47

asym_sam_15_avg_correction_mean vs Slug



Right In: 30.963 ± 50.361 χ^2/NDF : 24.5/19

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: 8.327 ± 50.380 χ^2/NDF : 23.3/24

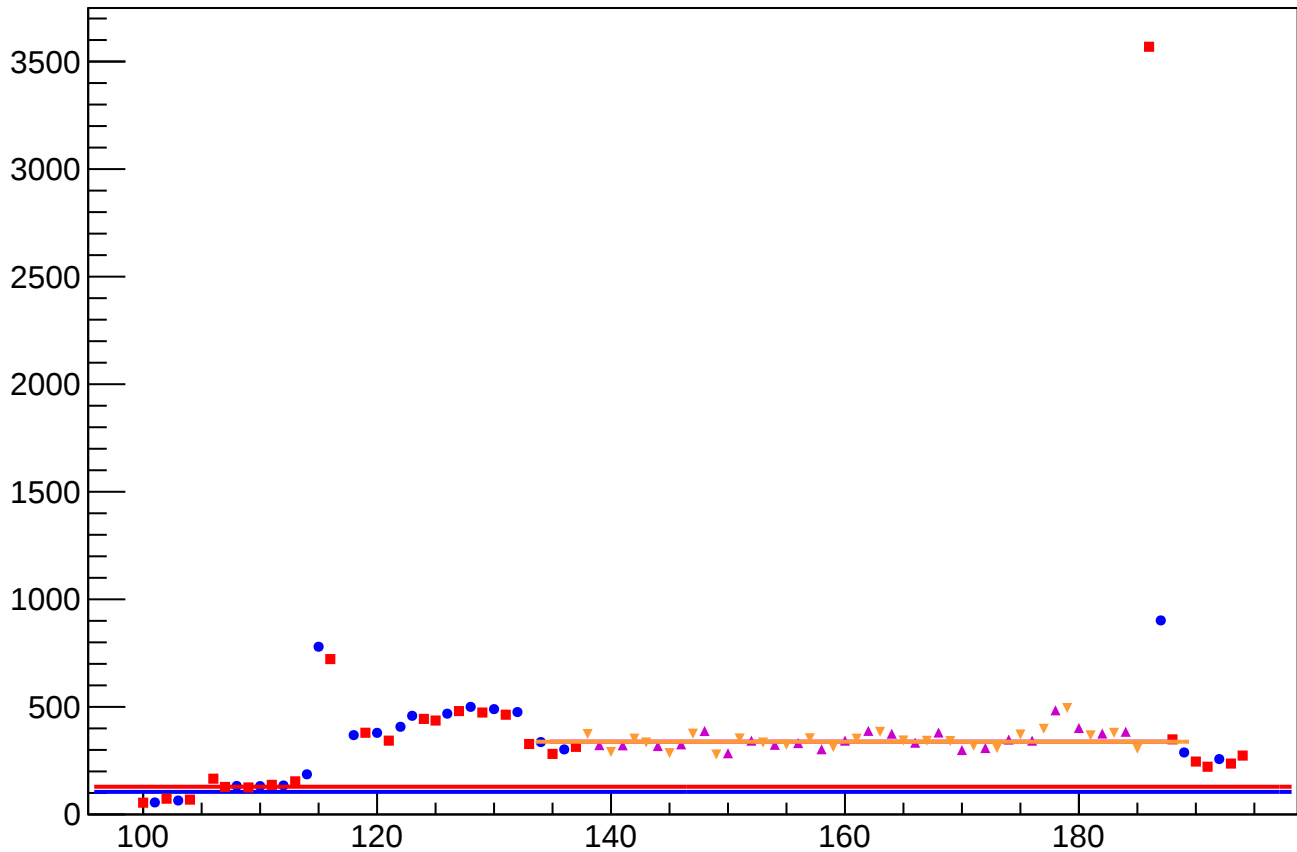
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -35.430 ± 42.551 χ^2/NDF : 50.3/44

All: -25.777 ± 30.209 χ^2/NDF : 107.9/92

- sign -15.968 ± 42.894 χ^2/NDF : 57.6/47

asym_sam_15_avg_correction_rms vs Slug



Right In: 104.947 $\pm$ 0.036 χ^2 /NDF: 7012108.5/19

Left Out: 338.130 $\pm$ 0.056 χ^2 /NDF: 498601.7/24

Right Out: 128.882 $\pm$ 0.036 χ^2 /NDF: 7560064.4/24

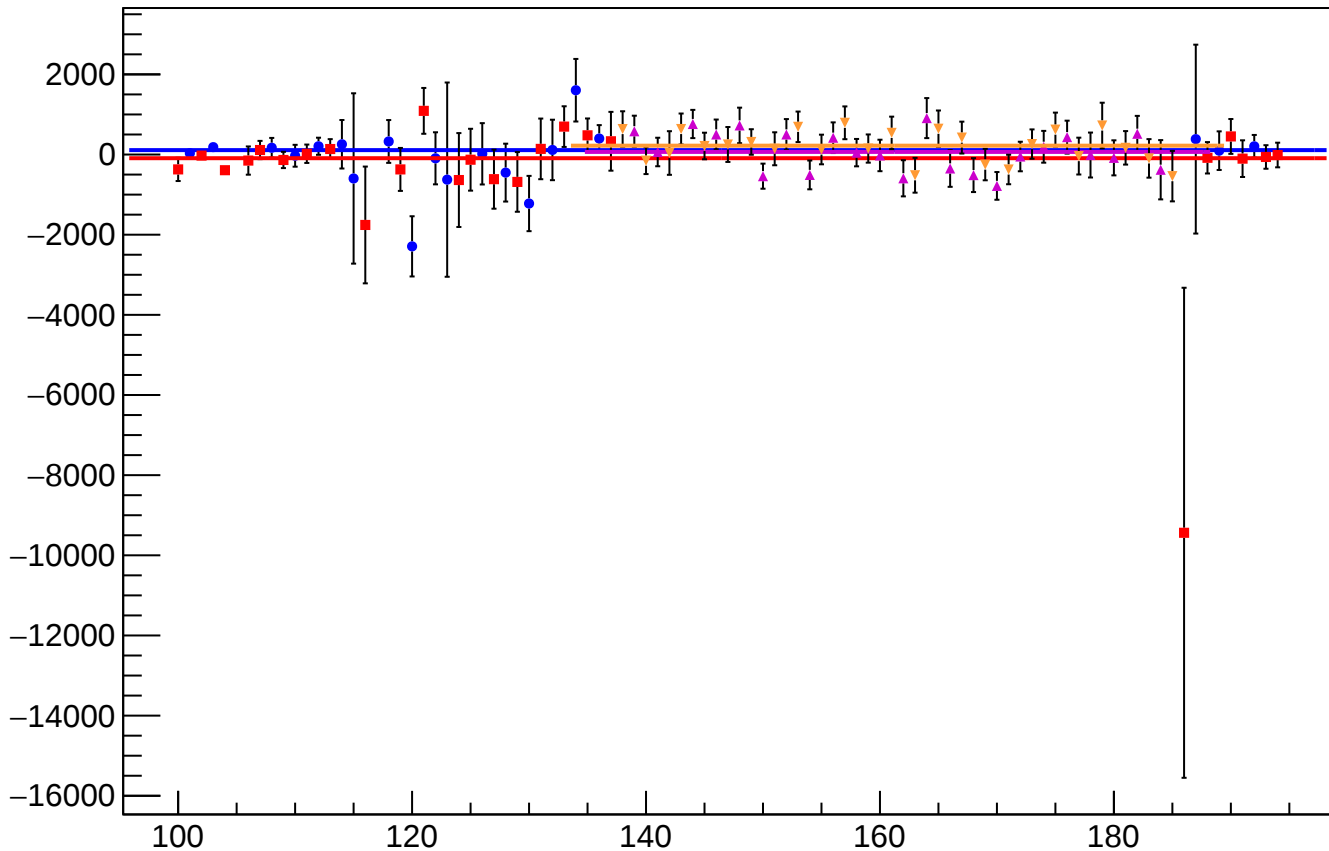
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 171.665 $\pm$ 0.030 χ^2 /NDF: 19778964.4/44

All: 179.056 $\pm$ 0.021 χ^2 /NDF: 37428587.2/92

- sign 186.566 $\pm$ 0.030 χ^2 /NDF: 17527974.3/47

asym_sam_15_avg_mean vs Slug



Right In: 110.350 $\pm$ 61.154 χ^2 /NDF: 21.1/19

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -91.497 $\pm$ 56.924 χ^2 /NDF: 25.3/24

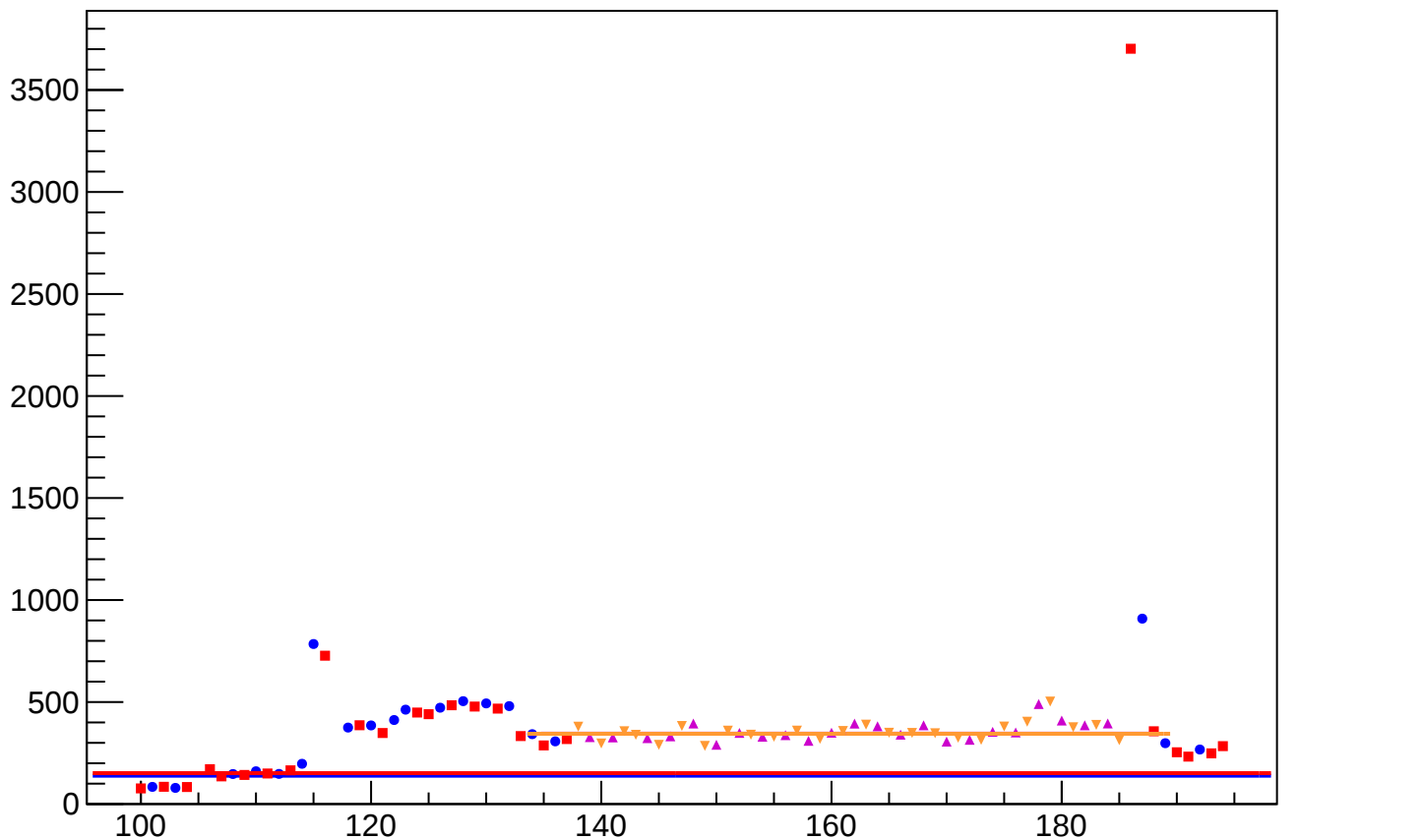
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 150.541 $\pm$ 48.810 χ^2 /NDF: 42.0/44

All: 50.879 $\pm$ 33.856 χ^2 /NDF: 111.7/92

- sign -41.534 $\pm$ 47.002 χ^2 /NDF: 61.6/47

asym_sam_15_avg_rms vs Slug



Right In: 139.041 $\pm$ 0.043 χ^2 /NDF: 5646662.8/19

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF: 488323.4/24

Right Out: 151.537 $\pm$ 0.040 χ^2 /NDF: 6511786.4/24

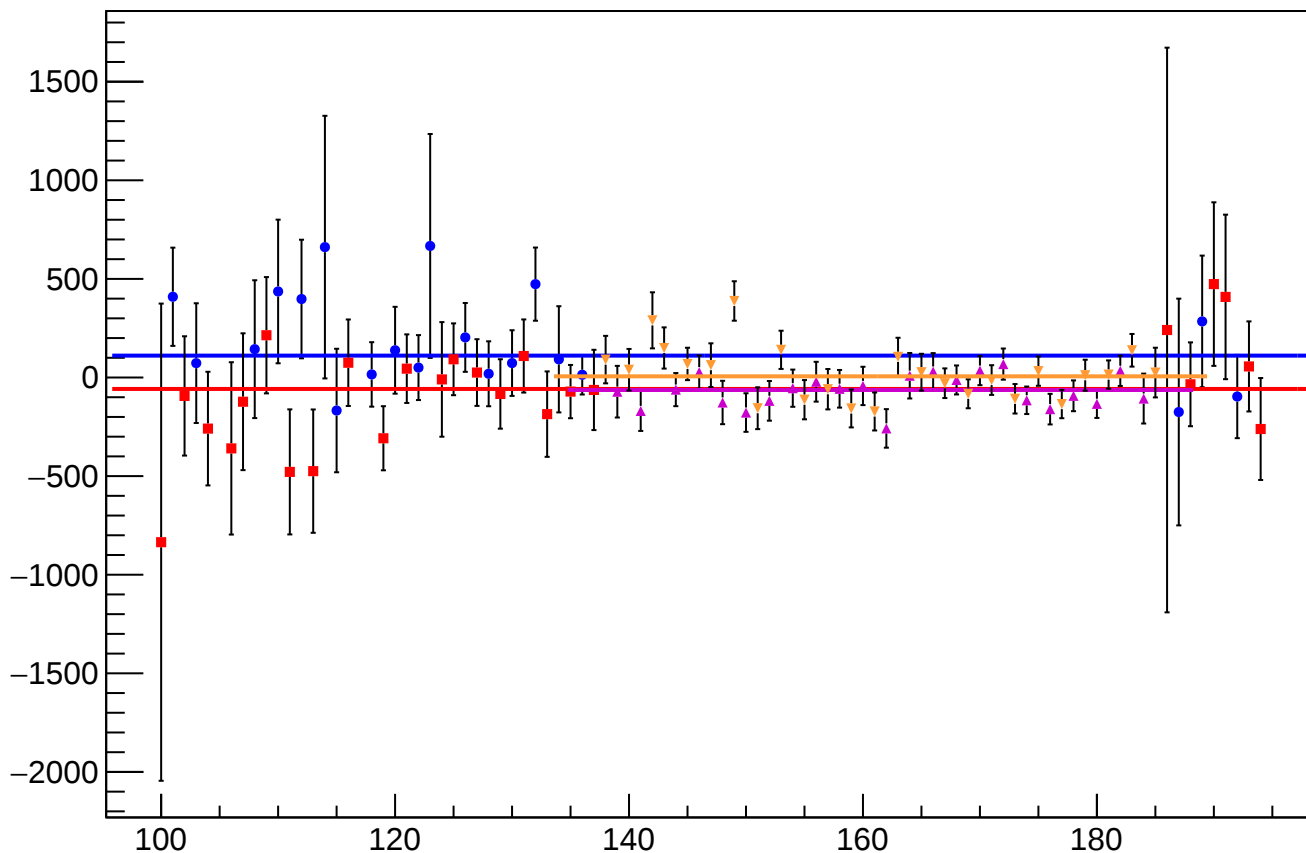
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 213.615 $\pm$ 0.035 χ^2 /NDF: 14329220.4/44

All: 213.355 $\pm$ 0.024 χ^2 /NDF: 28623047.6/92

- sign 213.114 $\pm$ 0.033 χ^2 /NDF: 14293718.1/47

reg_asym_sam_26_avg_mean vs Slug



Right In: 110.998 $\pm$ 47.269 χ^2/NDF : 13.0/19

Left Out: 6.020 $\pm$ 17.910 χ^2/NDF : 46.0/24

Right Out: -58.018 $\pm$ 46.249 χ^2/NDF : 14.9/24

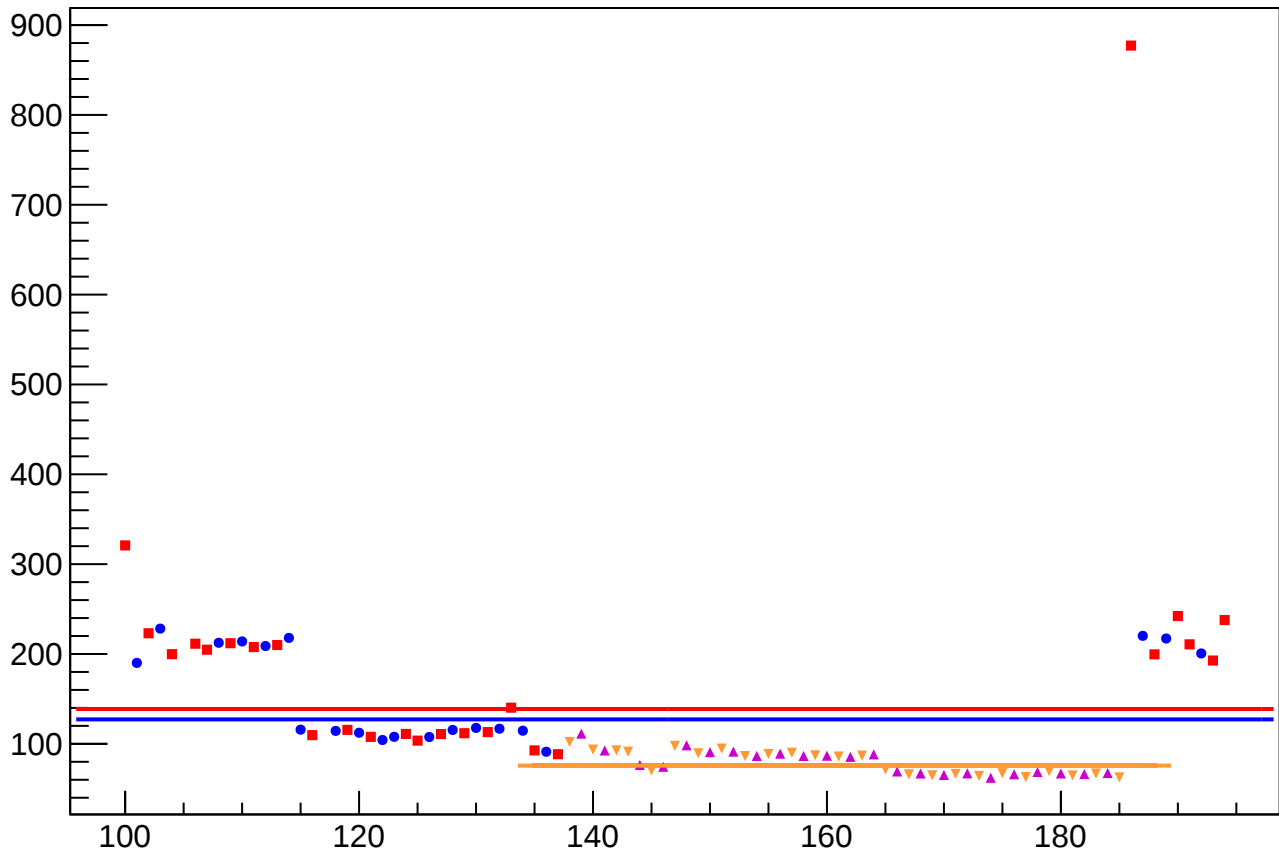
Left In: -63.279 $\pm$ 18.447 χ^2/NDF : 19.8/22

+ sign 19.198 $\pm$ 16.748 χ^2/NDF : 63.3/44

All: -20.748 $\pm$ 11.977 χ^2/NDF : 109.7/92

- sign -62.557 $\pm$ 17.134 χ^2/NDF : 34.7/47

reg_asym_sam_26_avg_rms vs Slug



Right In: 127.203 $\pm$ 0.033 χ^2 /NDF: 1583525.3/19

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF: 937821.8/24

Right Out: 138.787 $\pm$ 0.033 χ^2 /NDF: 2751795.3/24

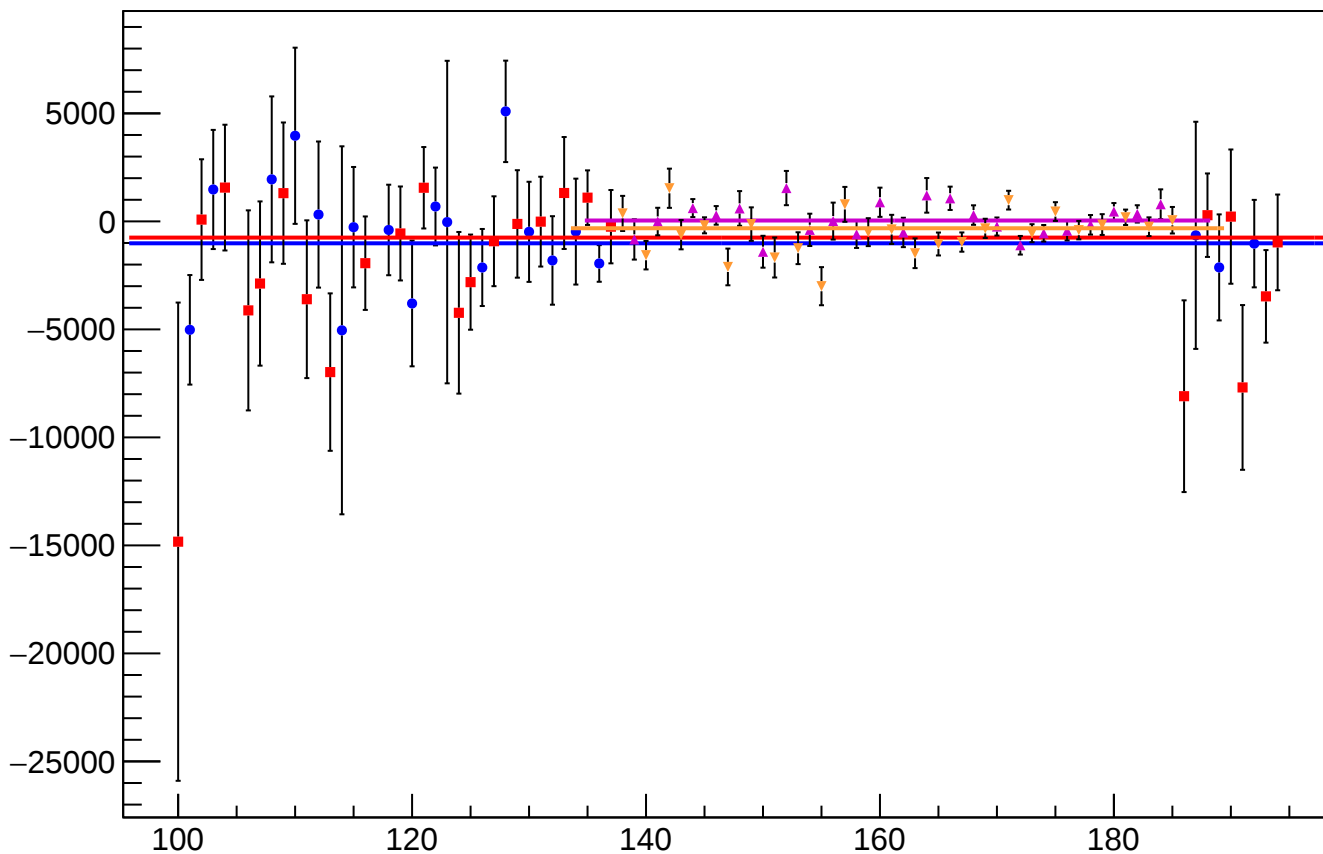
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF: 831366.4/22

+ sign 82.203 $\pm$ 0.012 χ^2 /NDF: 4594198.3/44

All: 83.345 $\pm$ 0.008 χ^2 /NDF: 11385671.7/92

- sign 84.539 $\pm$ 0.012 χ^2 /NDF: 6772457.0/47

asym_sam_26_avg_correction_mean vs Slug



Right In: -1014.870 ± 485.654 χ^2/NDF : 16.6/19

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -750.797 ± 484.663 χ^2/NDF : 21.8/24

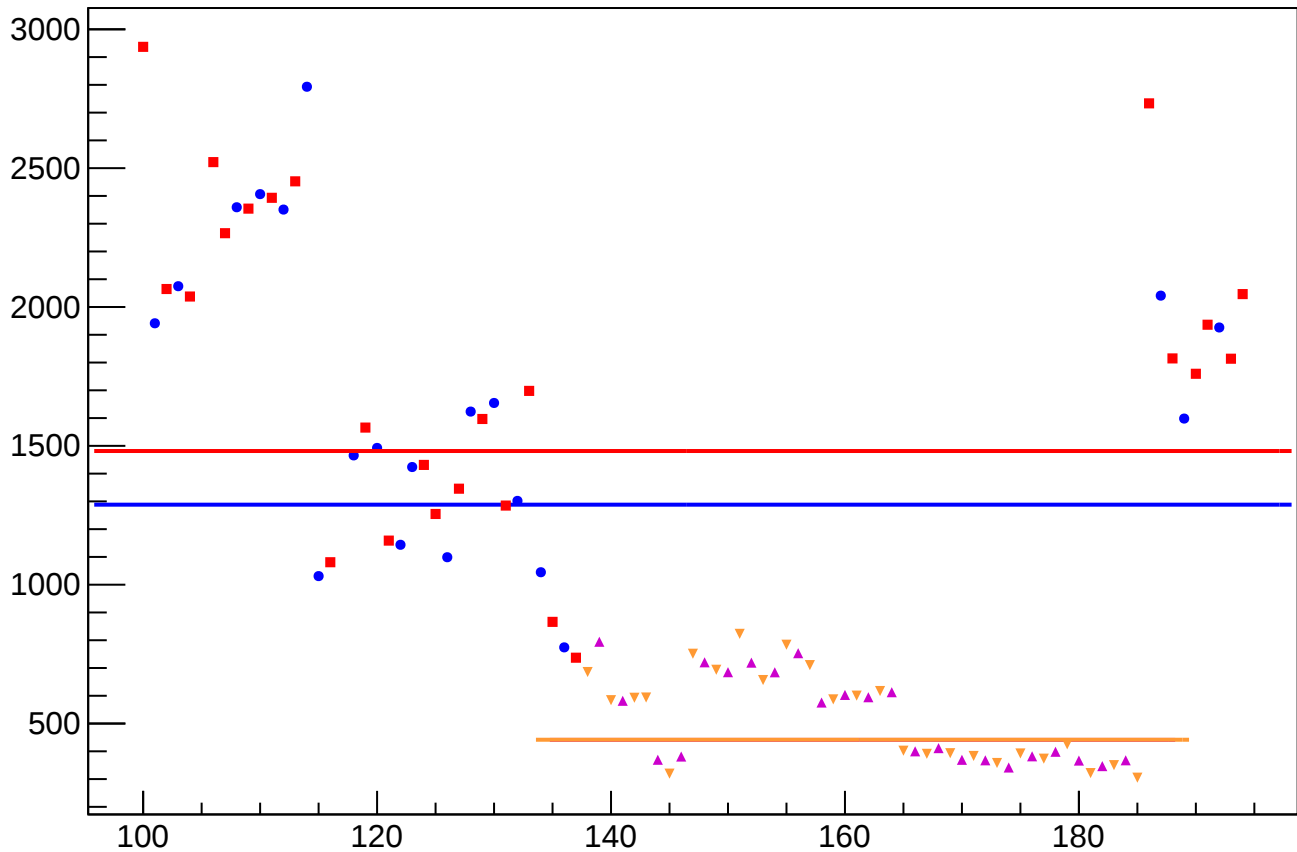
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -350.908 ± 105.437 χ^2/NDF : 68.6/44

All: -178.107 ± 75.276 χ^2/NDF : 133.1/92

- sign 1.541 ± 107.506 χ^2/NDF : 59.0/47

asym_sam_26_avg_correction_rms vs Slug



Right In: 1288.177+/-0.343 χ^2/NDF : 2054855.3/19

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

+ sign 481.583+/-0.075 χ^2/NDF : 11013663.5/44

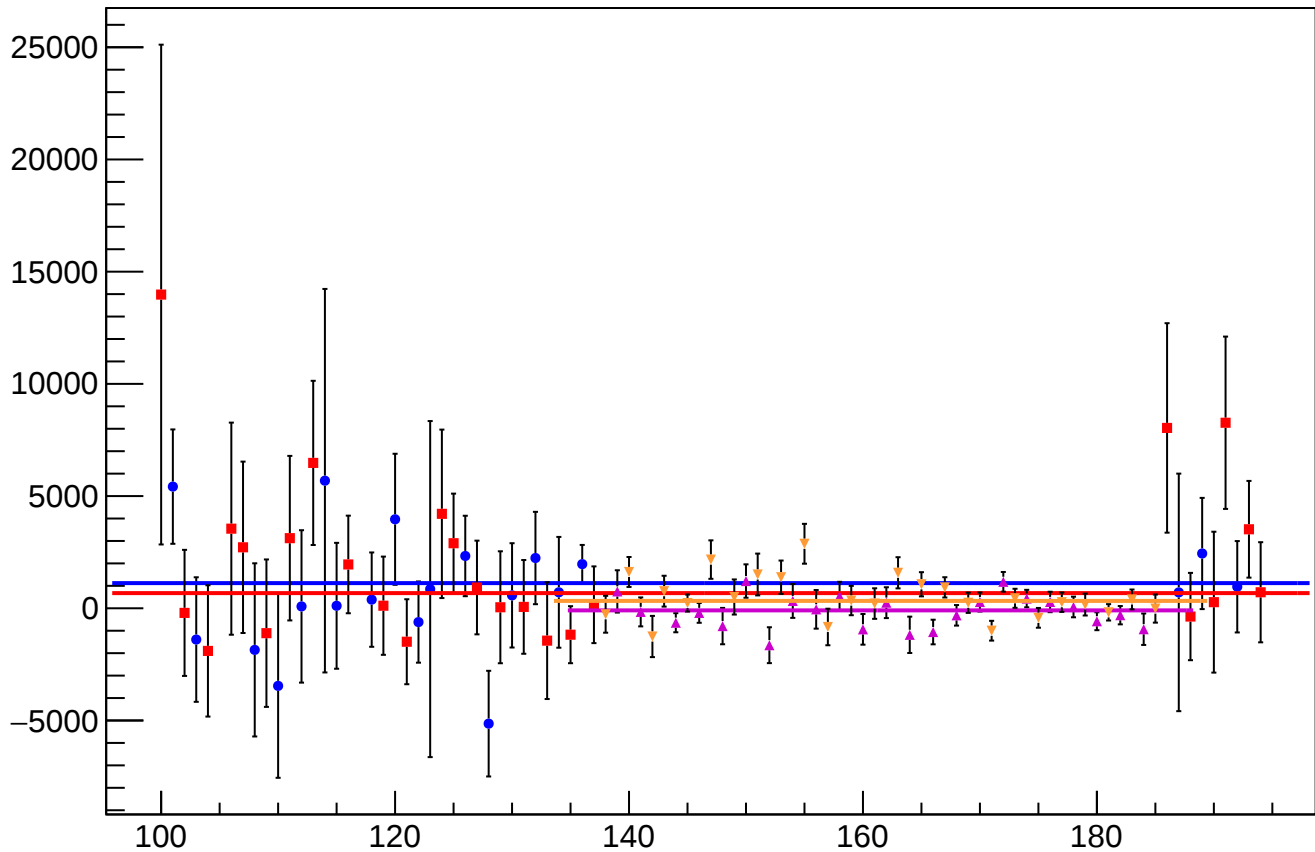
Right Out: 1481.414+/-0.343 χ^2/NDF : 2286795.1/24

All: 486.788+/-0.053 χ^2/NDF : 24670227.1/92

- sign 492.199+/-0.076 χ^2/NDF : 13646623.6/47

Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

asym_sam_26_avg_mean vs Slug



Right In: 1121.757 $\pm$ 488.500 χ^2 /NDF: 17.2/19

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: 676.254 $\pm$ 487.604 χ^2 /NDF: 21.3/24

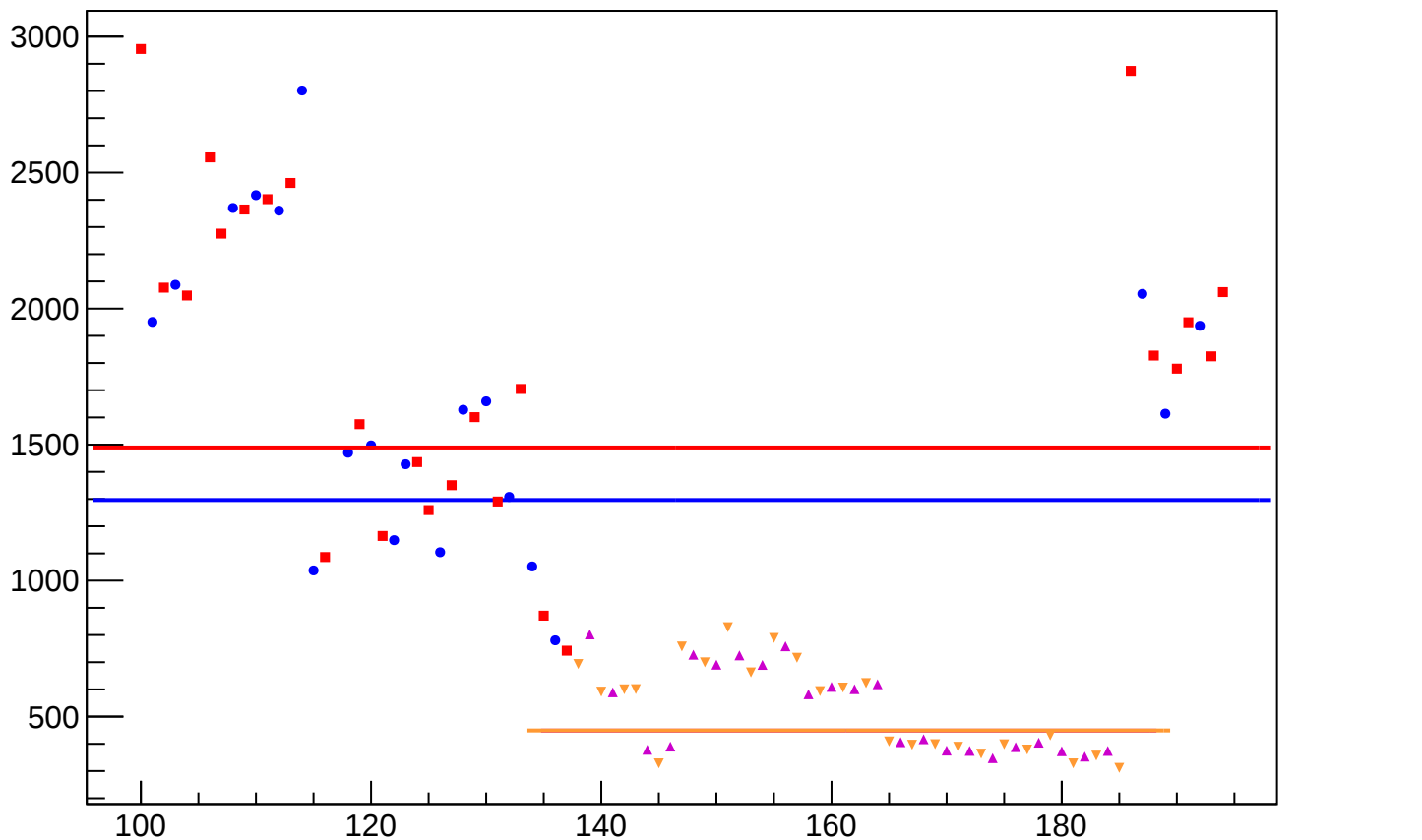
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 366.656 $\pm$ 107.005 χ^2 /NDF: 67.4/44

All: 160.068 $\pm$ 76.401 χ^2 /NDF: 132.1/92

- sign -54.770 $\pm$ 109.120 χ^2 /NDF: 57.0/47

asym_sam_26_avg_rms vs Slug



Right In: 1296.326+/-0.345 χ^2/NDF : 2042750.7/19

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1489.485+/-0.345 χ^2/NDF : 2303339.9/24

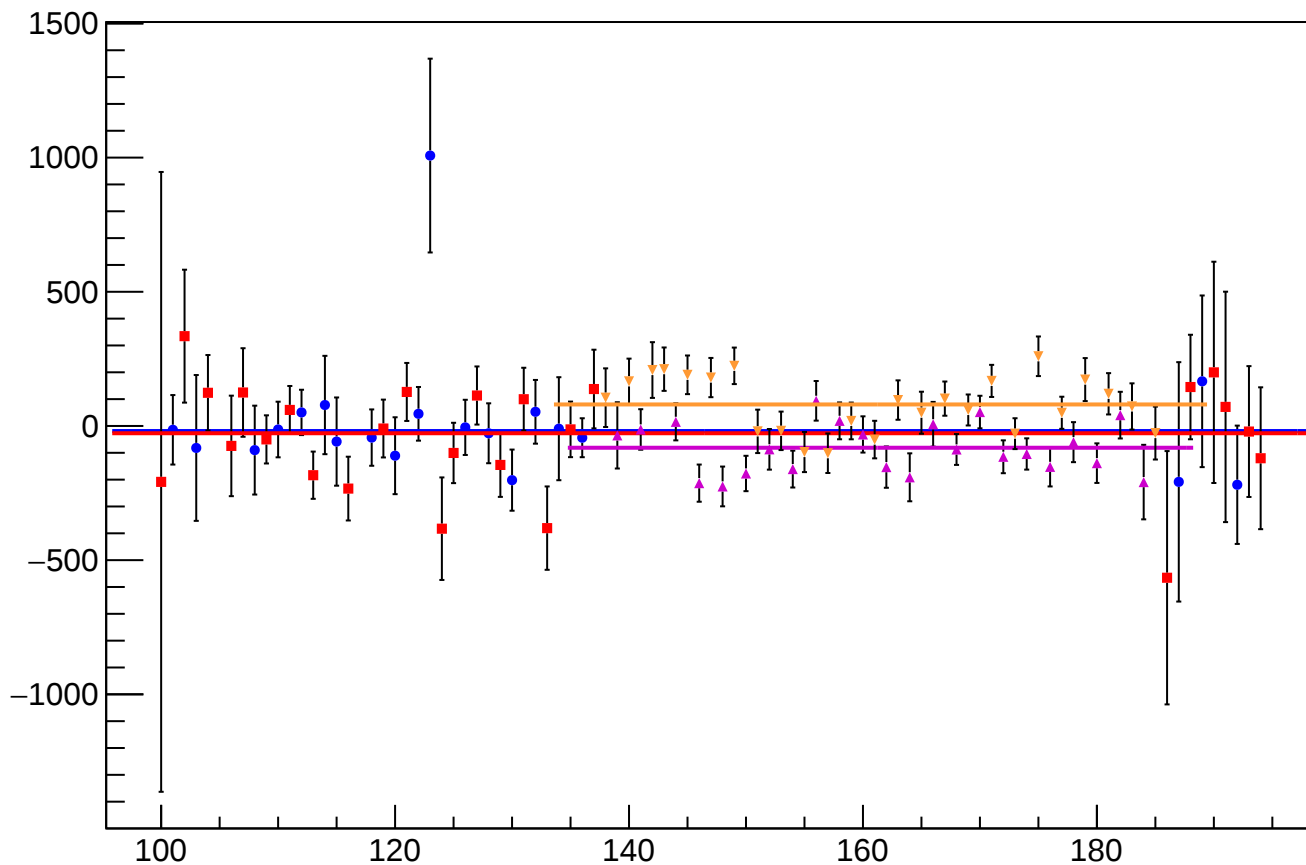
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 489.672+/-0.076 χ^2/NDF : 10861578.7/44

All: 494.956+/-0.054 χ^2/NDF : 24374509.7/92

- sign 500.450+/-0.077 χ^2/NDF : 13502983.1/47

reg_asym_sam_37_avg_mean vs Slug



Right In: -18.927 ± 28.488 $\chi^2/\text{NDF}: 14.6/19$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -27.104 ± 27.274 $\chi^2/\text{NDF}: 30.2/24$

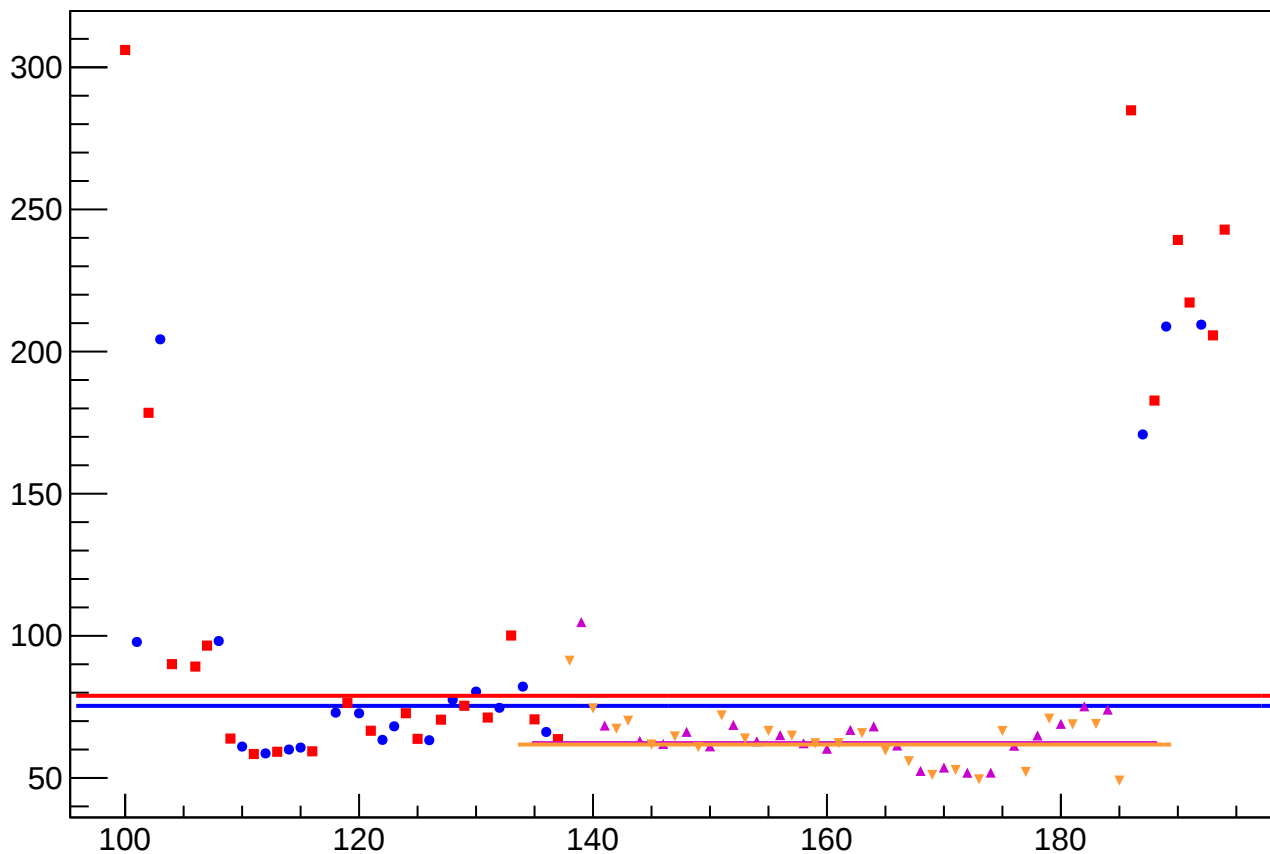
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 59.574 ± 12.988 $\chi^2/\text{NDF}: 72.8/44$

All: -3.340 ± 9.263 $\chi^2/\text{NDF}: 189.1/92$

- sign -68.468 ± 13.214 $\chi^2/\text{NDF}: 68.5/47$

reg_asym_sam_37_avg_rms vs Slug



Right In: 75.364 ± 0.020 χ^2/NDF : 1973163.8/19

Left Out: 61.761 ± 0.010 χ^2/NDF : 645535.0/24

Right Out: 78.913 ± 0.019 χ^2/NDF : 3688208.9/24

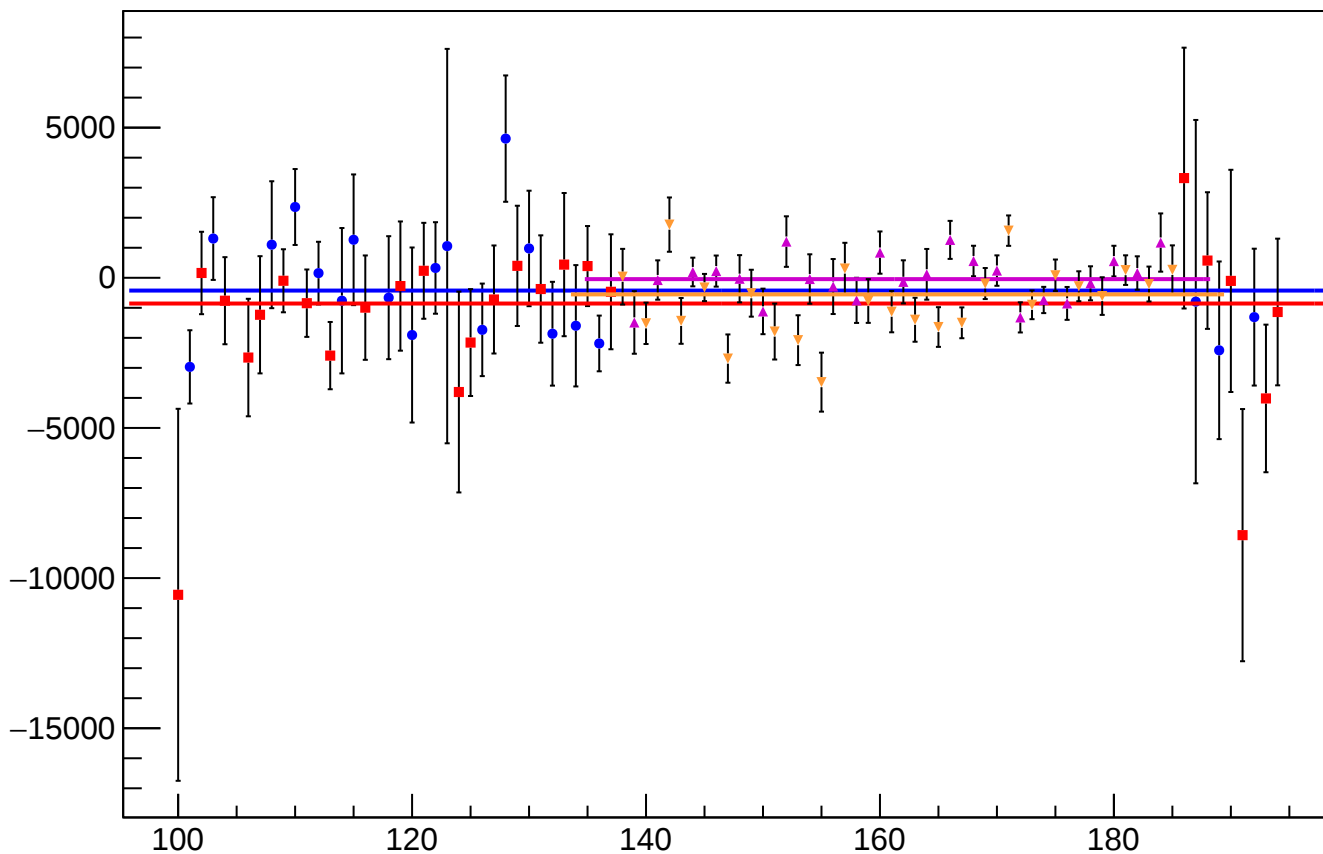
Left In: 62.250 ± 0.011 χ^2/NDF : 591085.1/22

+ sign 64.588 ± 0.009 χ^2/NDF : 2979901.4/44

All: 65.361 ± 0.007 χ^2/NDF : 7844907.8/92

- sign 66.161 ± 0.009 χ^2/NDF : 4850587.2/47

asym_sam_37_avg_correction_mean vs Slug



Right In: -425.550 ± 373.922 χ^2/NDF : 25.1/19

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -857.201 ± 353.725 χ^2/NDF : 16.8/24

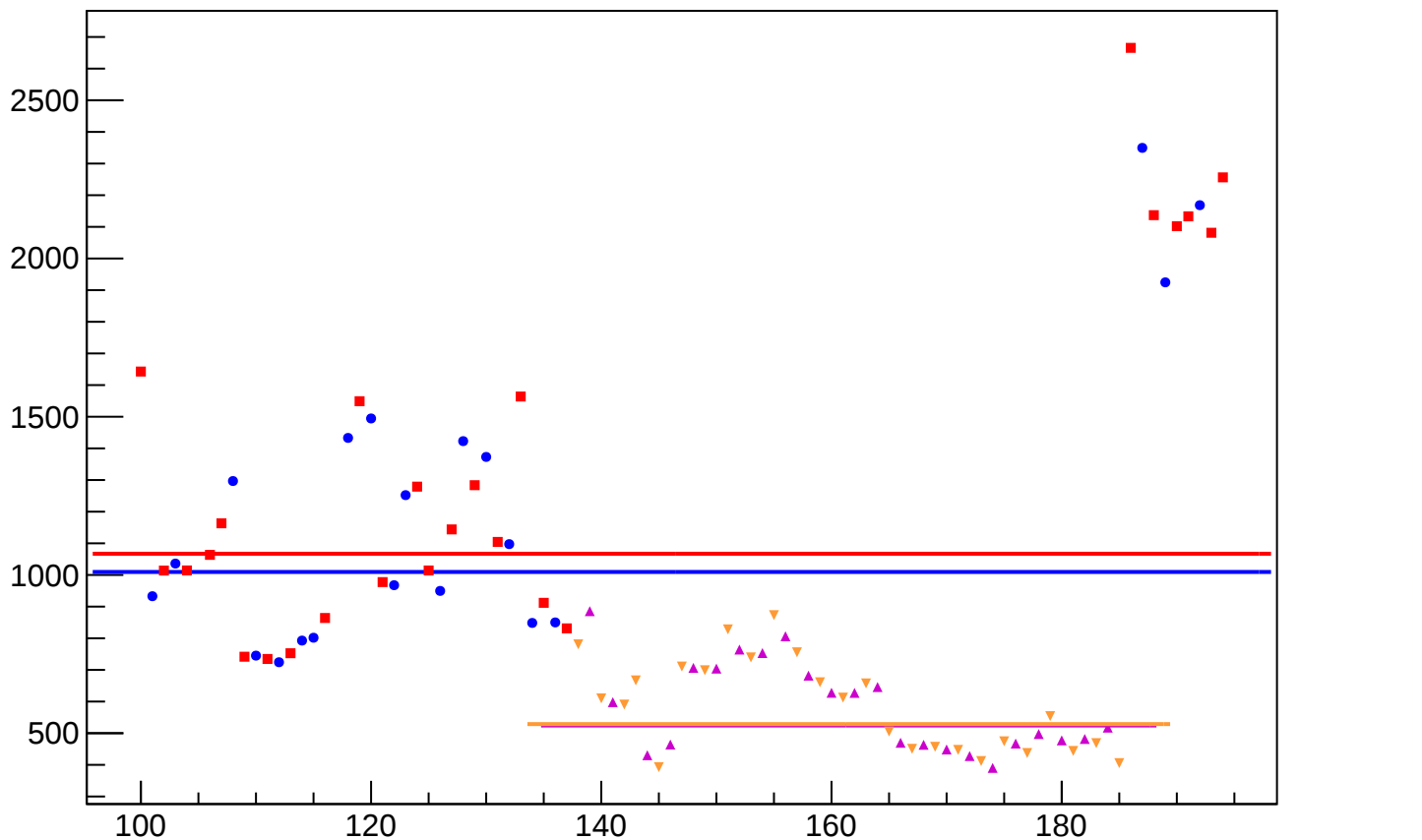
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -539.383 ± 120.237 χ^2/NDF : 90.5/44

All: -341.447 ± 85.384 χ^2/NDF : 146.9/92

- sign -140.093 ± 121.271 χ^2/NDF : 51.0/47

asym_sam_37_avg_correction_rms vs Slug



Right In: 1009.498 $\pm$ 0.264 χ^2 /NDF: 1497574.5/19

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

Right Out: 1067.097 $\pm$ 0.250 χ^2 /NDF: 2682744.1/24

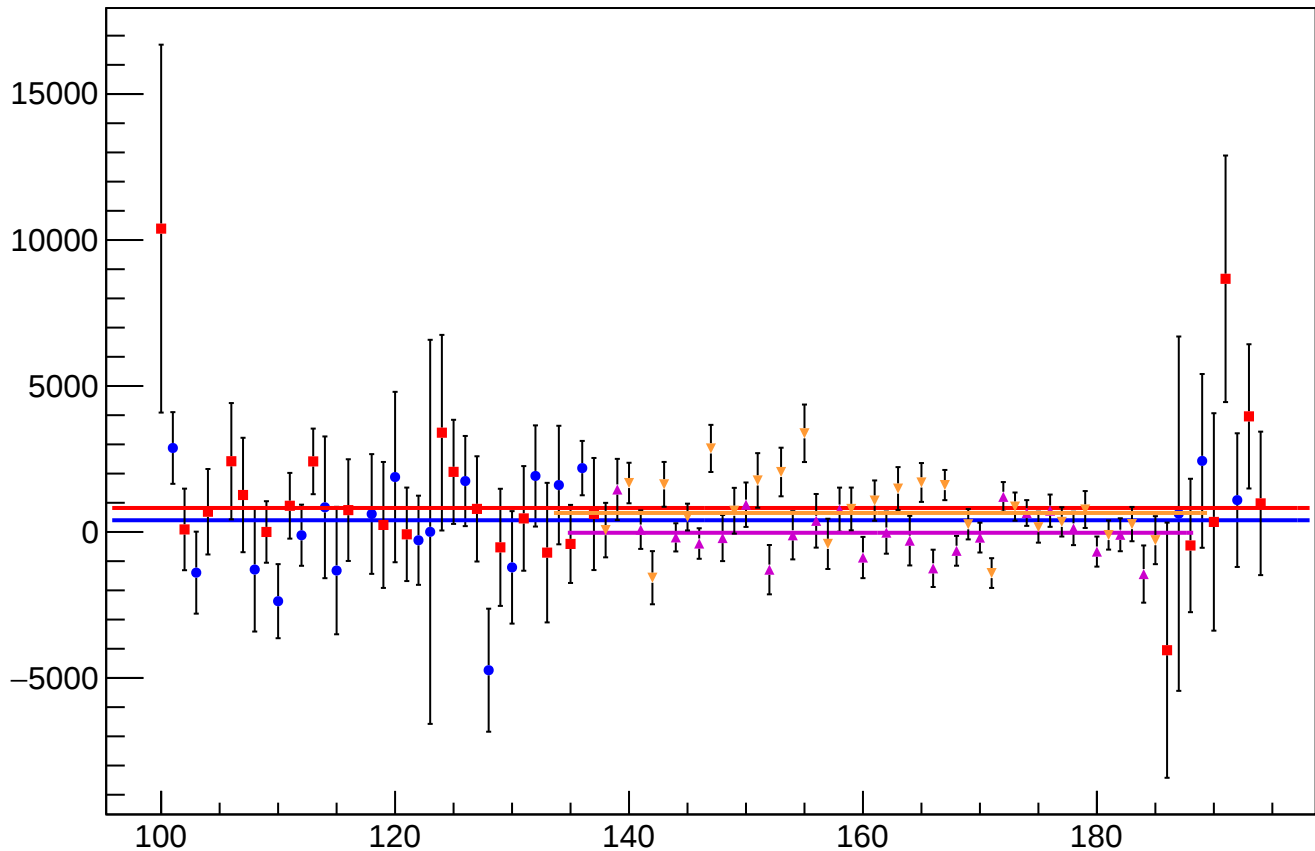
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 578.446 $\pm$ 0.085 χ^2 /NDF: 6445605.0/44

All: 583.218 $\pm$ 0.060 χ^2 /NDF: 15007384.7/92

- sign 588.071 $\pm$ 0.086 χ^2 /NDF: 8555425.8/47

asym_sam_37_avg_mean vs Slug



Right In: 401.497 ± 375.630 $\chi^2/\text{NDF}: 25.2/19$

Left Out: 651.560 ± 127.961 $\chi^2/\text{NDF}: 61.1/24$

Right Out: 822.109 ± 355.523 $\chi^2/\text{NDF}: 15.8/24$

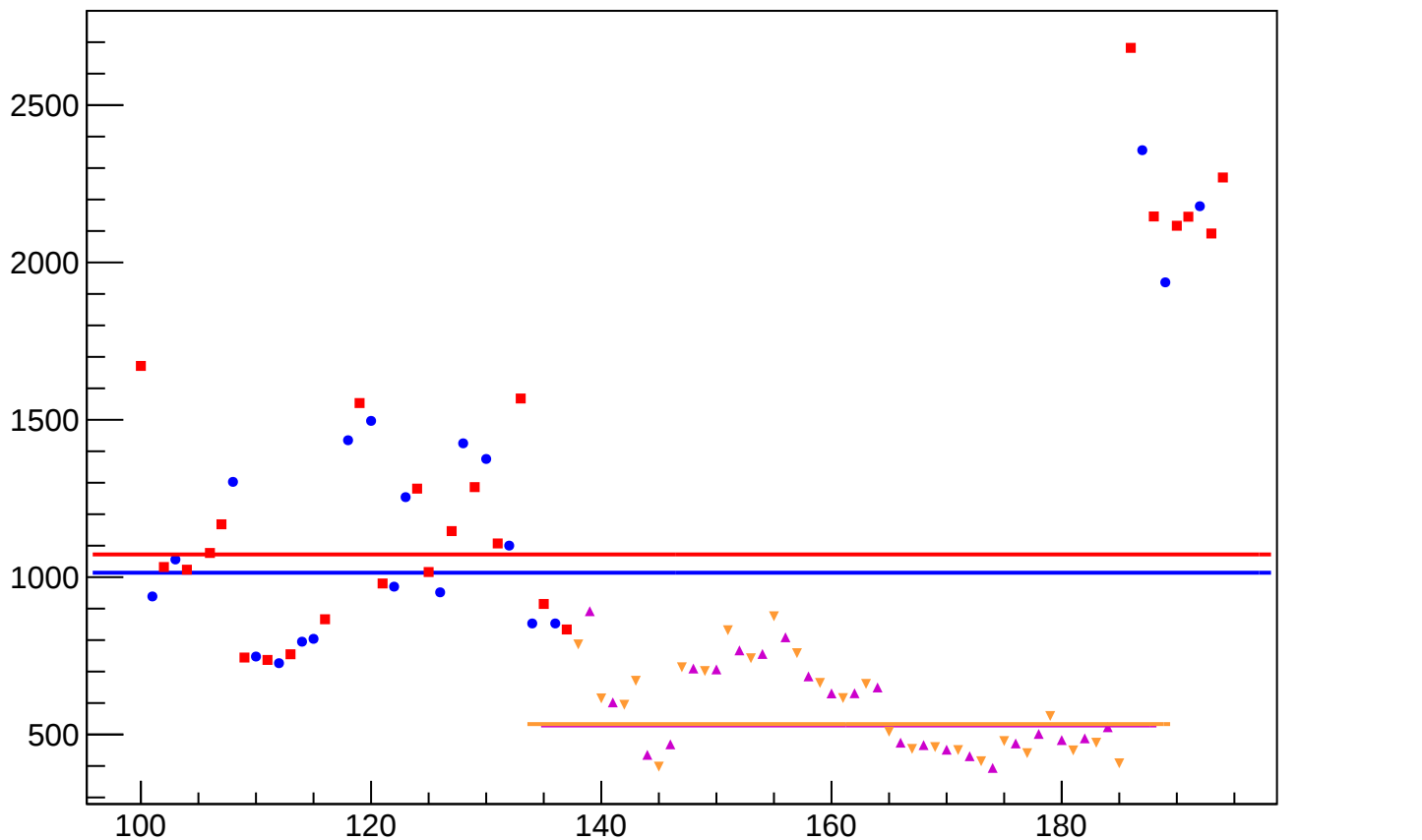
Left In: -27.483 ± 130.127 $\chi^2/\text{NDF}: 28.5/22$

+ sign 625.558 ± 121.126 $\chi^2/\text{NDF}: 86.7/44$

All: 351.659 ± 86.026 $\chi^2/\text{NDF}: 146.3/92$

- sign 72.887 ± 122.199 $\chi^2/\text{NDF}: 49.3/47$

asym_sam_37_avg_rms vs Slug



Right In: 1014.098 $\pm$ 0.266 χ^2 /NDF: 1498355.3/19

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 1072.162 $\pm$ 0.251 χ^2 /NDF: 2688098.2/24

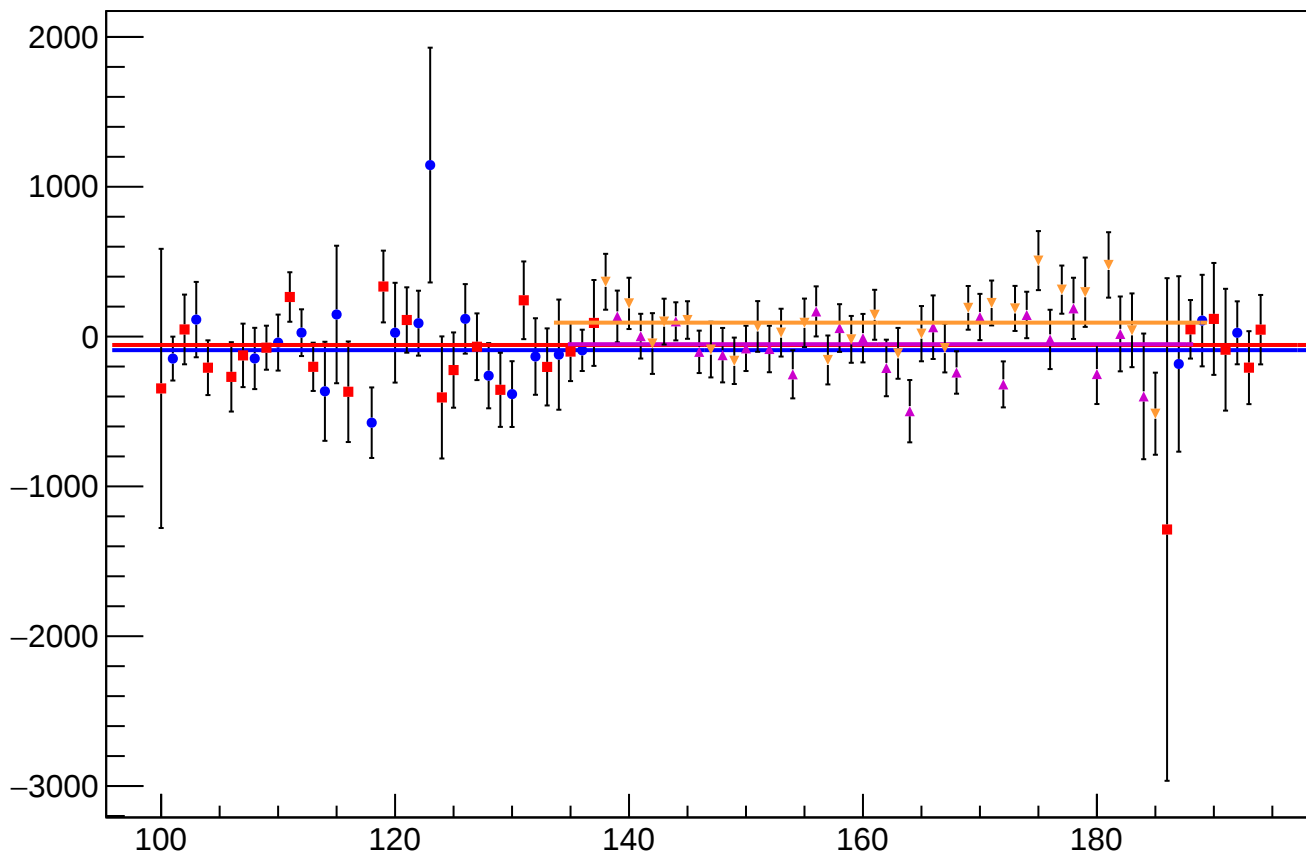
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 583.079 $\pm$ 0.086 χ^2 /NDF: 6388797.0/44

All: 587.946 $\pm$ 0.061 χ^2 /NDF: 14893286.2/92

- sign 592.899 $\pm$ 0.086 χ^2 /NDF: 8497973.8/47

reg_asym_sam_48_avg_mean vs Slug



Right In: -90.621 $\pm$ 50.510 χ^2/NDF : 14.0/19

Left Out: 92.994 $\pm$ 34.054 χ^2/NDF : 29.4/24

Right Out: -56.056 $\pm$ 46.579 χ^2/NDF : 16.9/24

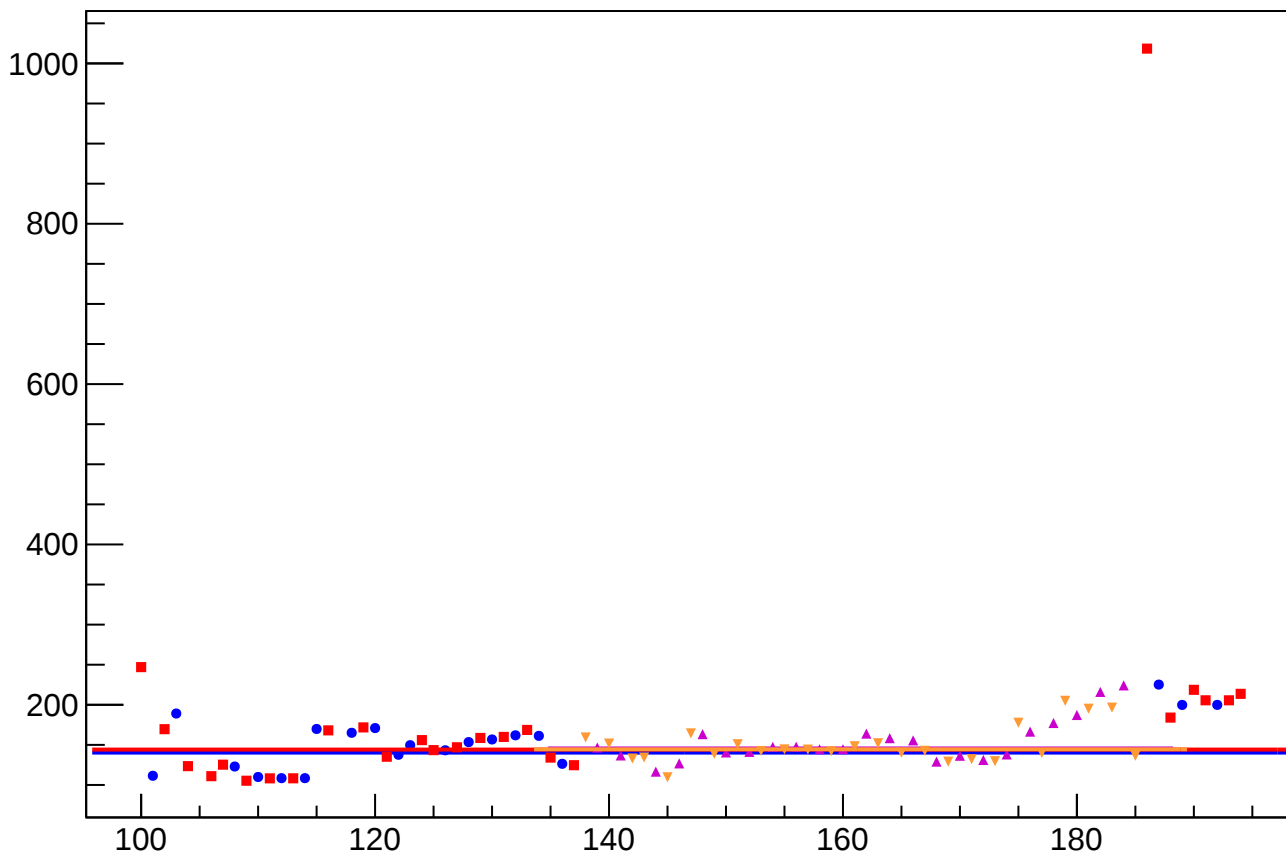
Left In: -50.896 $\pm$ 35.280 χ^2/NDF : 23.5/22

+ sign 35.614 $\pm$ 28.236 χ^2/NDF : 52.5/44

All: -8.758 $\pm$ 19.926 χ^2/NDF : 97.8/92

- sign -52.777 $\pm$ 28.123 χ^2/NDF : 40.3/47

reg_asym_sam_48_avg_rms vs Slug



Right In: 140.396+/-0.036 χ^2/NDF : 708515.2/19

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 144.150+/-0.033 χ^2/NDF : 1612462.3/24

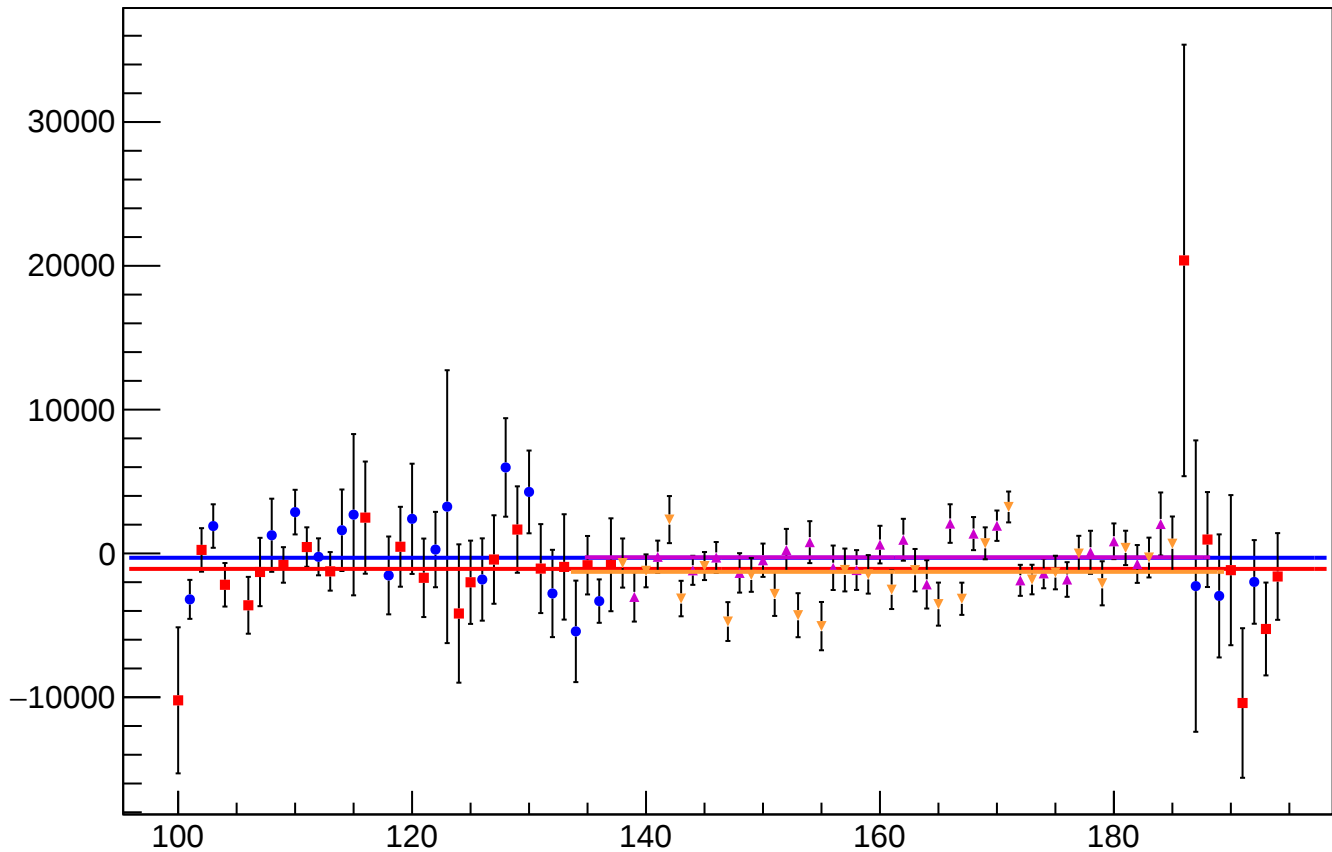
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 143.200+/-0.020 χ^2/NDF : 1387972.1/44

All: 144.119+/-0.014 χ^2/NDF : 3649301.4/92

- sign 145.030+/-0.020 χ^2/NDF : 2257115.2/47

asym_sam_48_avg_correction_mean vs Slug



Right In: -301.650 ± 512.164 χ^2/NDF : 26.6/19

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1075.457 ± 461.870 χ^2/NDF : 17.4/24

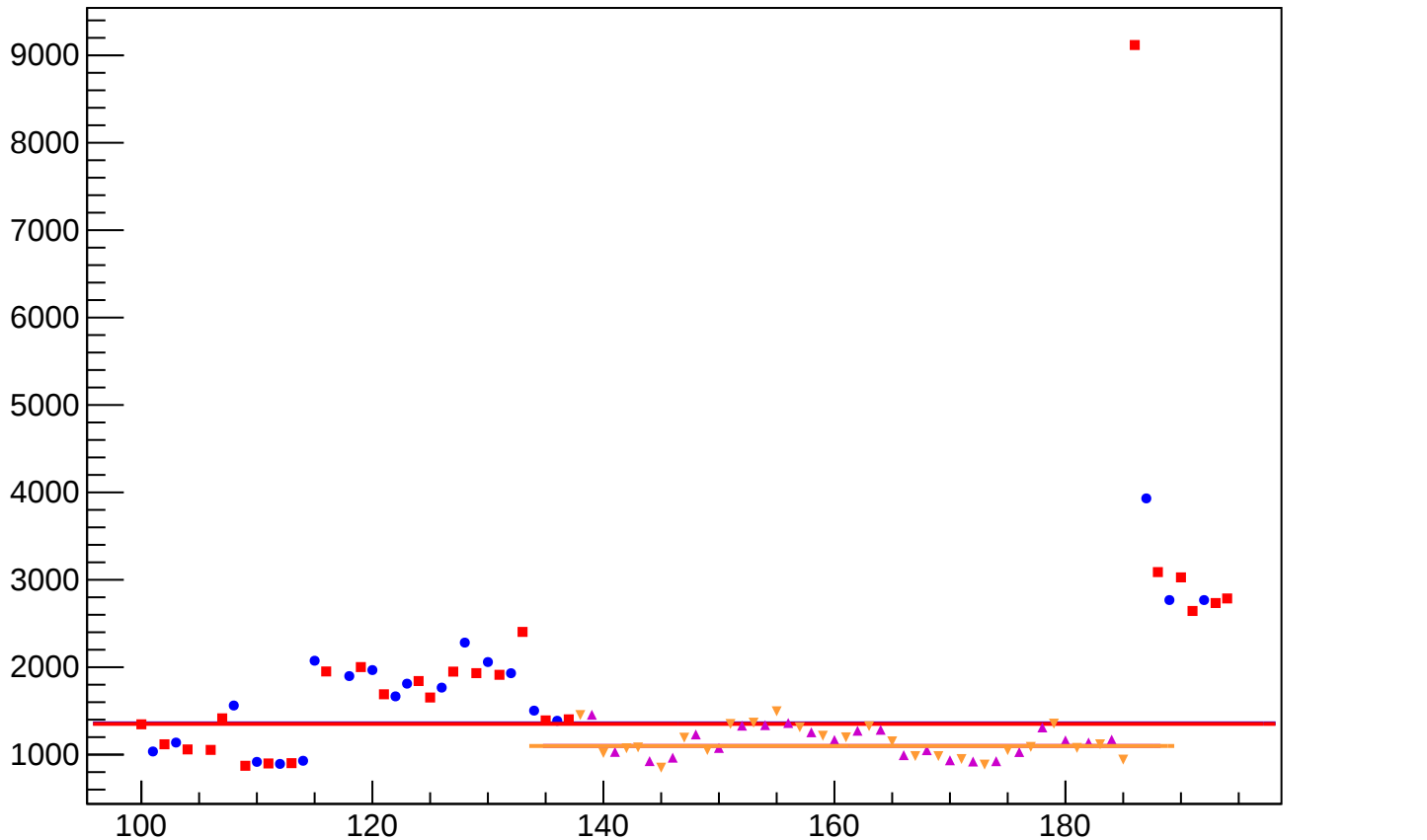
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1079.857 ± 231.340 χ^2/NDF : 85.4/44

All: -774.467 ± 163.343 χ^2/NDF : 132.9/92

- sign -470.857 ± 230.665 χ^2/NDF : 44.0/47

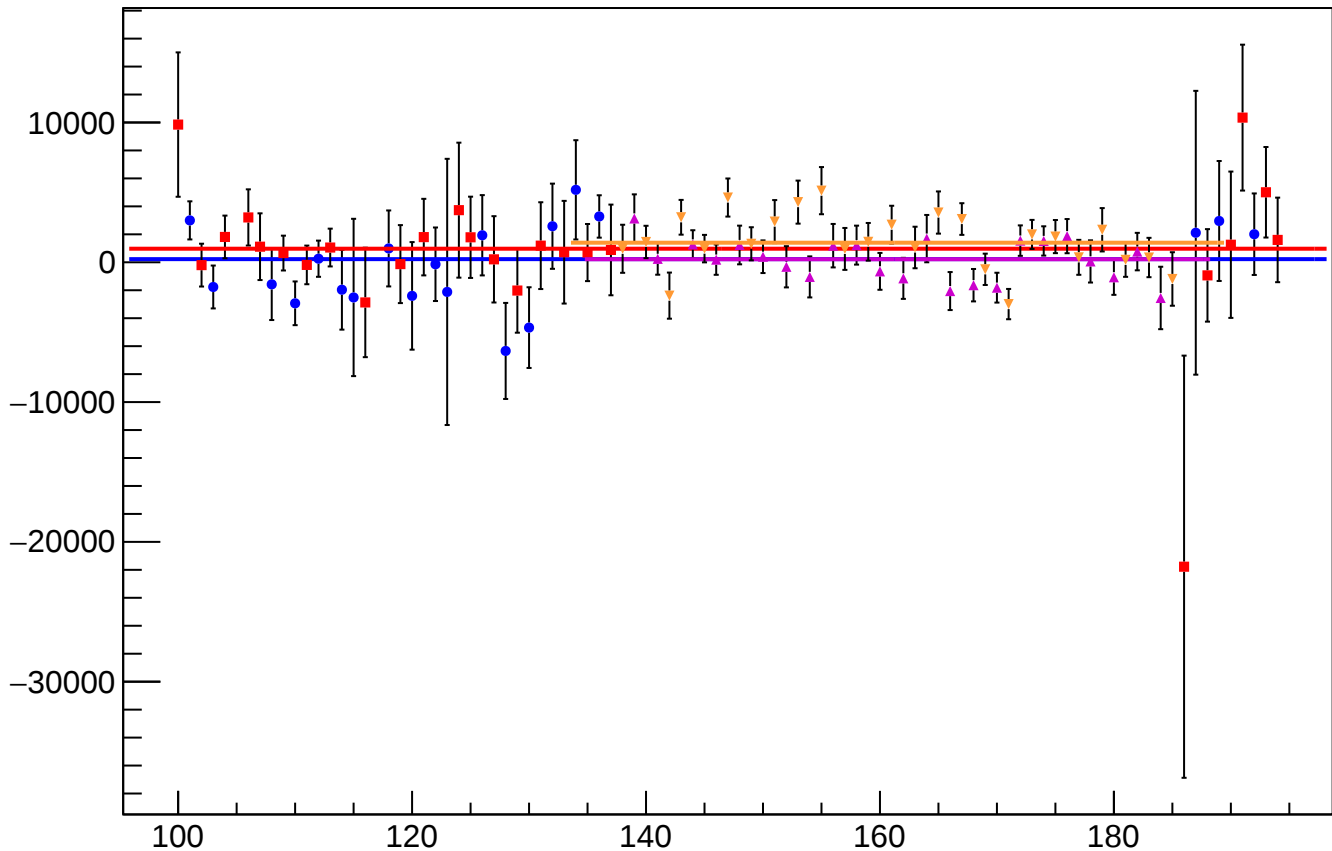
asym_sam_48_avg_correction_rms vs Slug



Right In: 1357.957 $\pm$ 0.362 χ^2 /NDF: 2028218.6/19
 Left Out: 1098.909 $\pm$ 0.183 χ^2 /NDF: 824328.7/24
 Right Out: 1351.808 $\pm$ 0.327 χ^2 /NDF: 3762486.3/24
 Left In: 1099.585 $\pm$ 0.188 χ^2 /NDF: 679896.1/22

+ sign 1151.761 $\pm$ 0.164 χ^2 /NDF: 3259807.9/44
 All: 1157.143 $\pm$ 0.116 χ^2 /NDF: 8152020.3/92
 - sign 1162.493 $\pm$ 0.163 χ^2 /NDF: 4890054.0/47

asym_sam_48_avg_mean vs Slug



Right In: 225.272 ± 515.401 χ^2/NDF : 26.2/19

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 970.972 ± 465.225 χ^2/NDF : 16.0/24

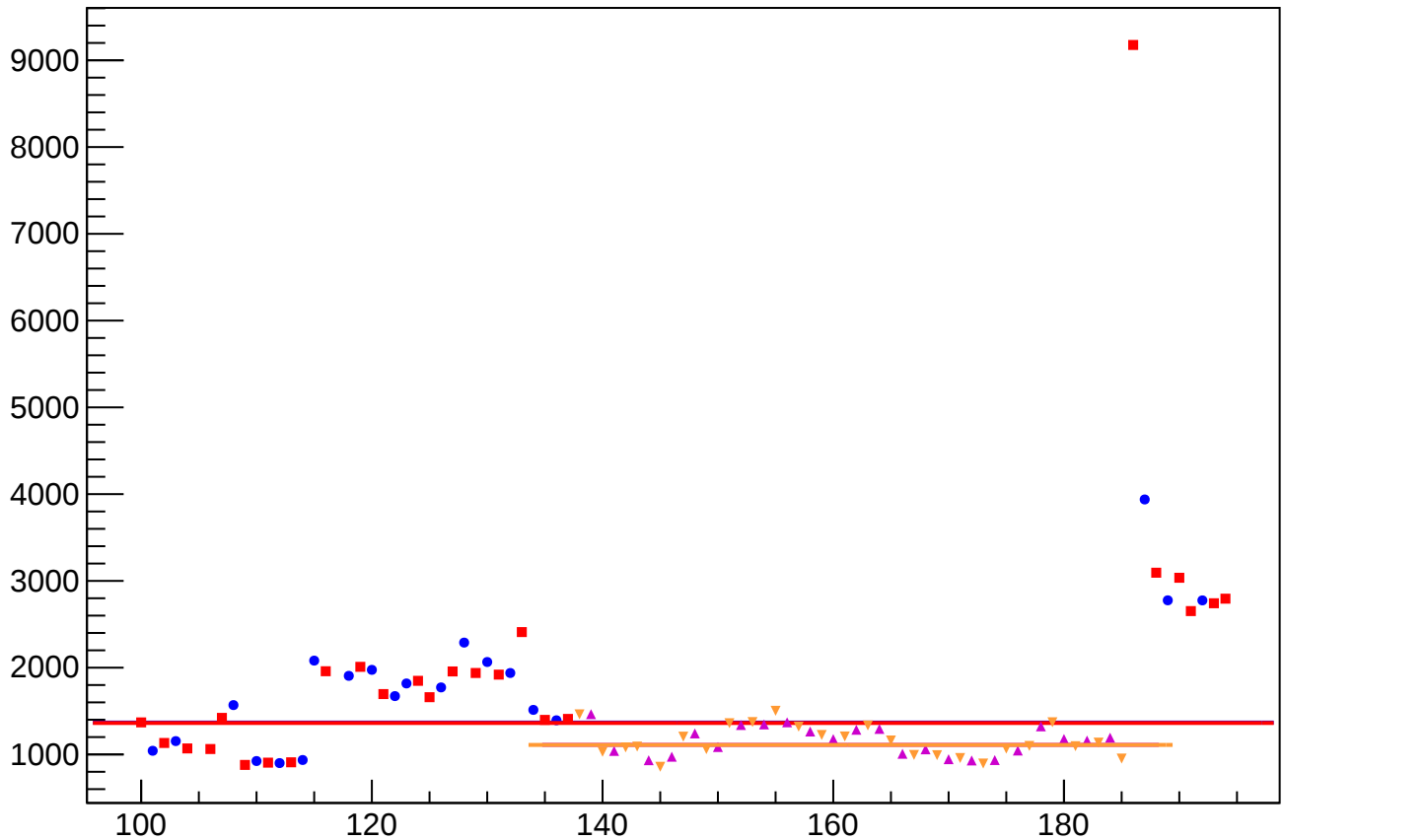
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1159.424 ± 233.417 χ^2/NDF : 82.5/44

All: 782.459 ± 164.824 χ^2/NDF : 130.7/92

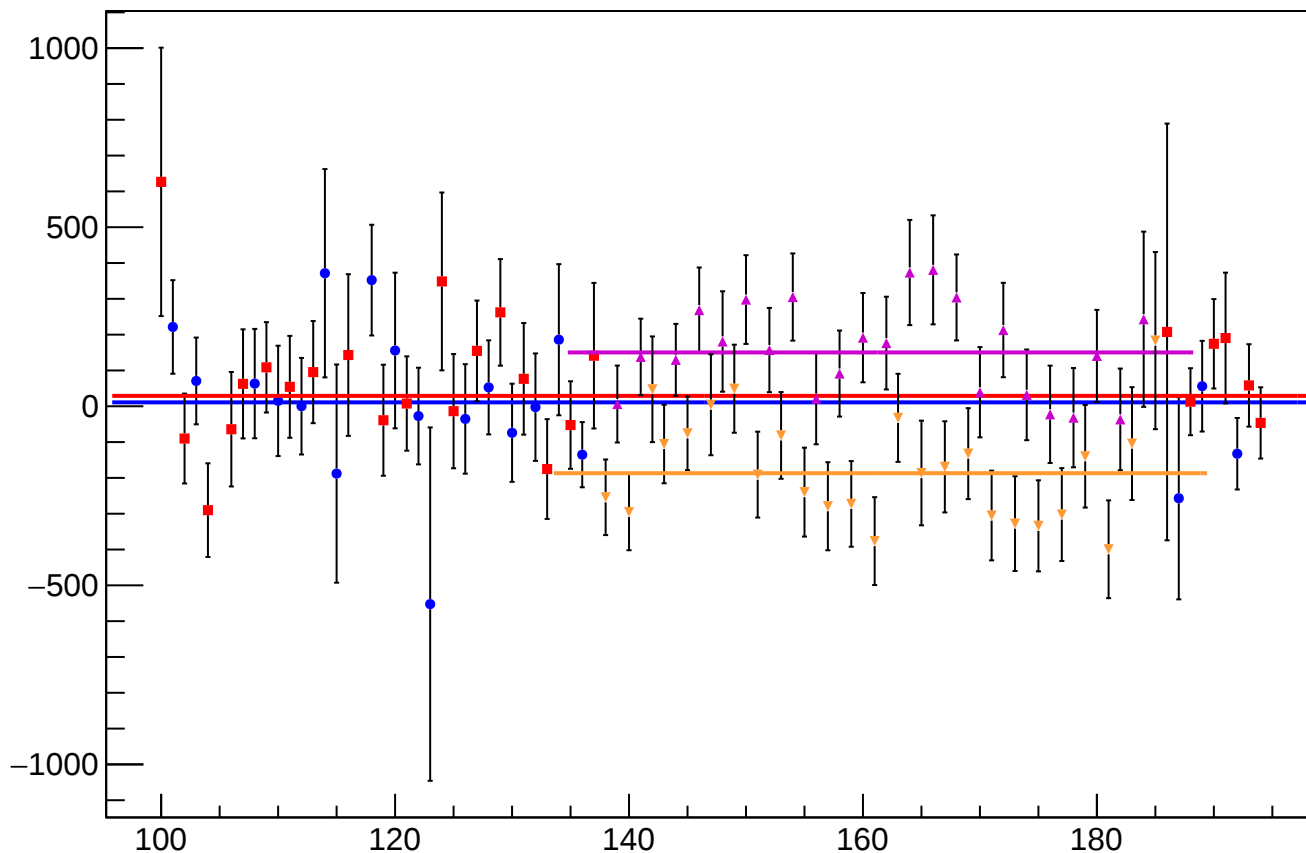
- sign 407.555 ± 232.778 χ^2/NDF : 42.9/47

asym_sam_48_avg_rms vs Slug



Right In: 1367.540 ± 0.364 χ^2/NDF : 2008875.8/19
 Left Out: 1109.761 ± 0.185 χ^2/NDF : 812174.9/24
 Right Out: 1362.472 ± 0.329 χ^2/NDF : 3731902.1/24
 Left In: 1110.542 ± 0.190 χ^2/NDF : 669928.9/22
 + sign 1162.633 ± 0.165 χ^2/NDF : 3218738.9/44
 - sign 1173.614 ± 0.165 χ^2/NDF : 4841492.1/47
 All: 1168.138 ± 0.117 χ^2/NDF : 8062450.3/92

reg_asym_sam_15_dd_mean vs Slug



Right In: 10.917+/-32.818 χ^2/NDF : 18.6/19

Left Out: -186.838+/-25.308 χ^2/NDF : 26.6/24

Right Out: 29.055+/-28.688 χ^2/NDF : 21.8/24

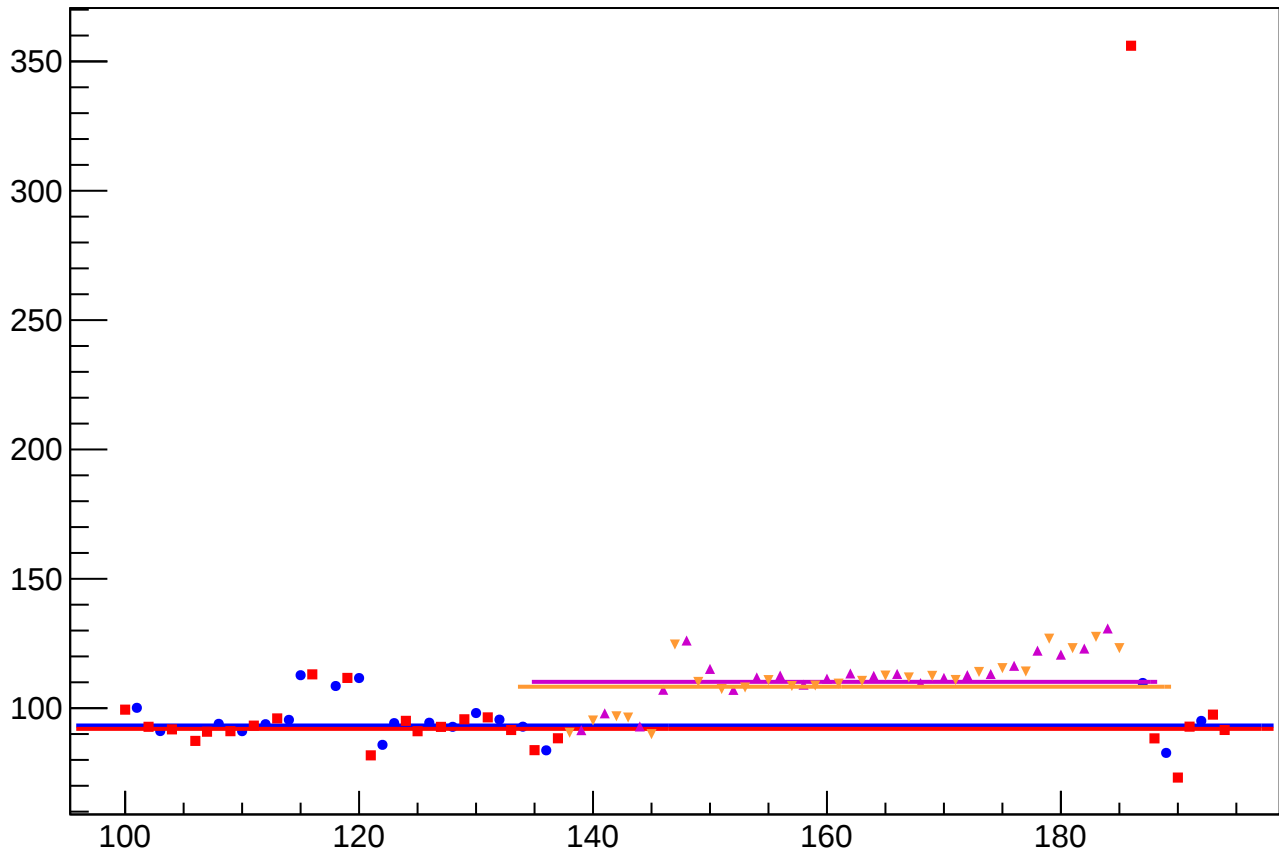
Left In: 150.315+/-26.445 χ^2/NDF : 20.7/22

+ sign -113.091+/-20.041 χ^2/NDF : 68.0/44

All: -6.101+/-13.955 χ^2/NDF : 175.4/92

- sign 94.611+/-19.444 χ^2/NDF : 52.1/47

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.303+/-0.023 χ^2/NDF : 101501.7/19

Left Out: 108.287+/-0.018 χ^2/NDF : 330693.5/24

Right Out: 92.001+/-0.020 χ^2/NDF : 544584.5/24

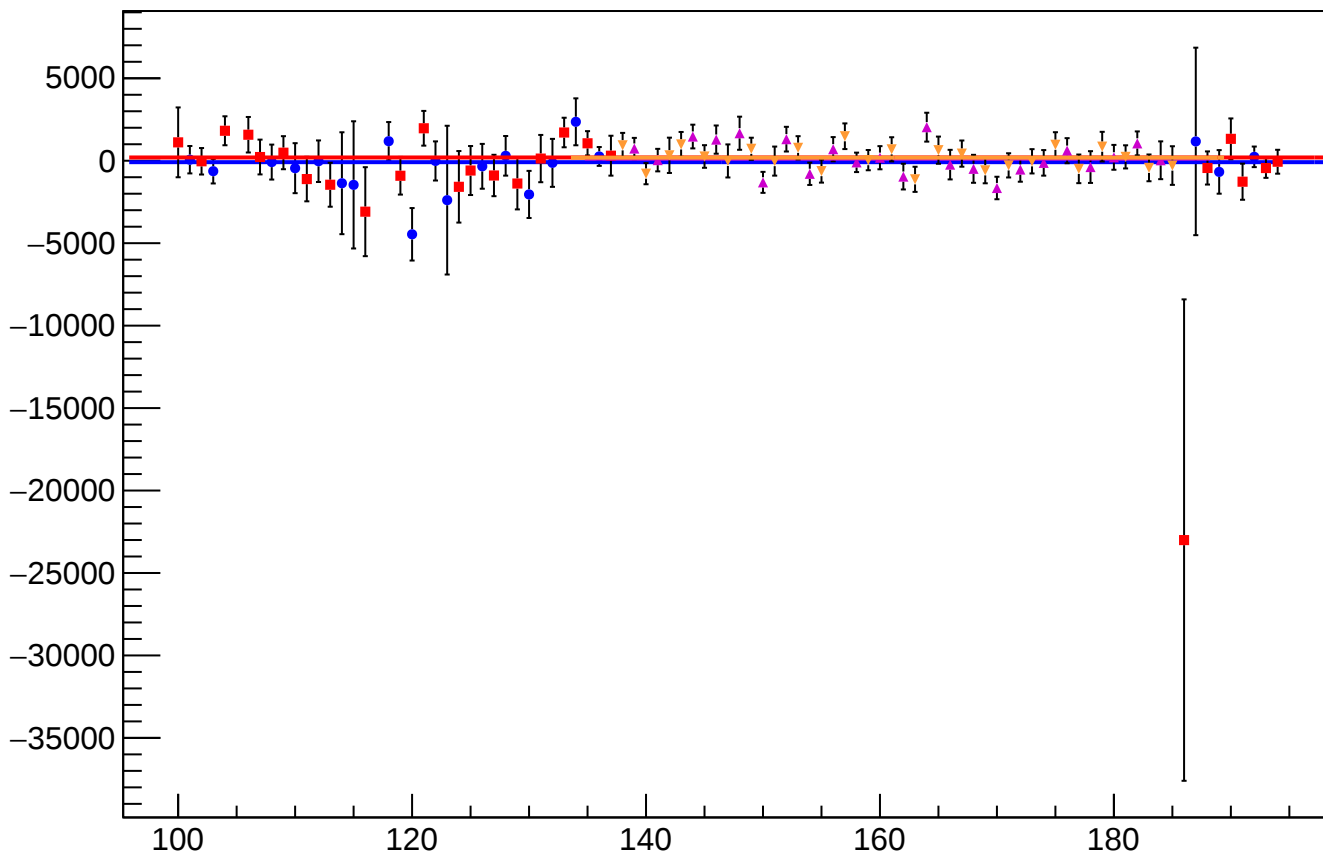
Left In: 110.173+/-0.019 χ^2/NDF : 246967.7/22

+ sign 102.700+/-0.014 χ^2/NDF : 693647.1/44

All: 102.249+/-0.010 χ^2/NDF : 1921011.1/92

- sign 101.825+/-0.014 χ^2/NDF : 1225403.1/47

asym_sam_15_dd_correction_mean vs Slug



Right In: -87.254 ± 248.470 χ^2/NDF : 15.8/19

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 197.987 ± 213.563 χ^2/NDF : 26.9/24

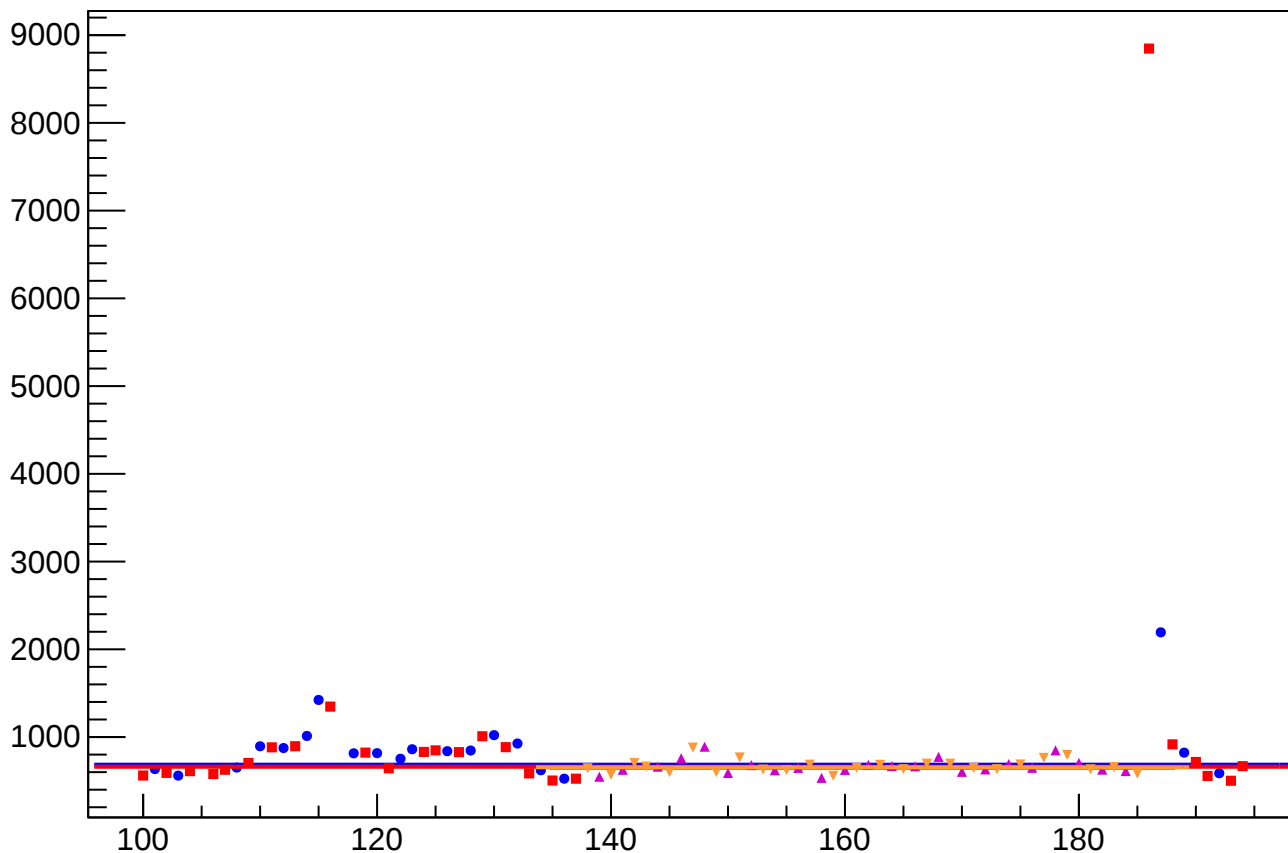
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 109.950 ± 130.702 χ^2/NDF : 35.0/44

All: 132.213 ± 90.927 χ^2/NDF : 98.3/92

- sign 153.093 ± 126.577 χ^2/NDF : 63.2/47

asym_sam_15_dd_correction_rms vs Slug



Right In: 685.134 $\pm$ 0.176 χ^2 /NDF: 891848.7/19

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 661.474 $\pm$ 0.151 χ^2 /NDF: 1609636.3/24

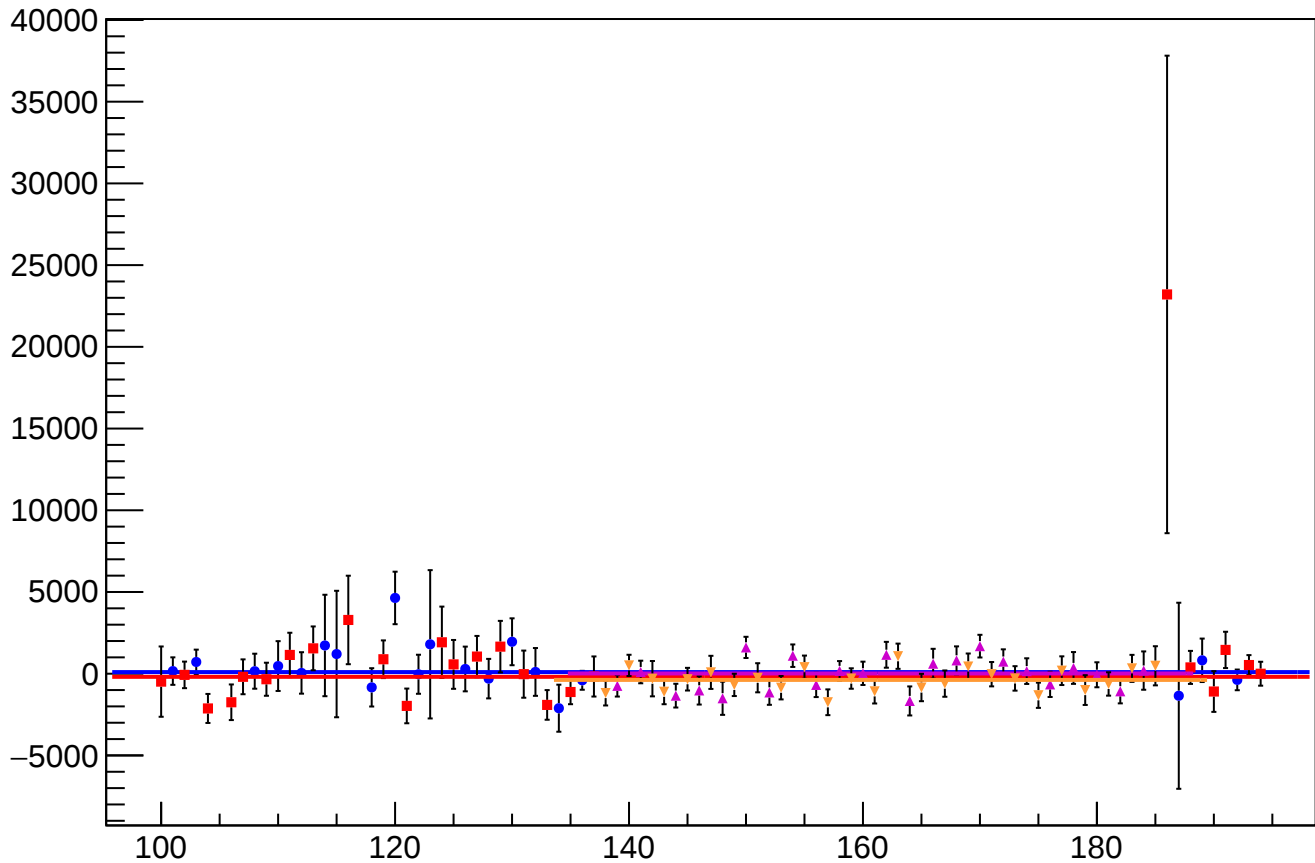
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 663.450 $\pm$ 0.092 χ^2 /NDF: 1280256.4/44

All: 658.885 $\pm$ 0.064 χ^2 /NDF: 3363928.8/92

- sign 654.604 $\pm$ 0.090 χ^2 /NDF: 2078943.9/47

asym_sam_15_dd_mean vs Slug



Right In: 98.673 $\pm$ 251.066 χ^2 /NDF: 15.7/19

Left Out: -379.470 $\pm$ 155.892 χ^2 /NDF:18.8/24

Right Out: -190.843 $\pm$ 215.960 χ^2 /NDF: 30.6/24

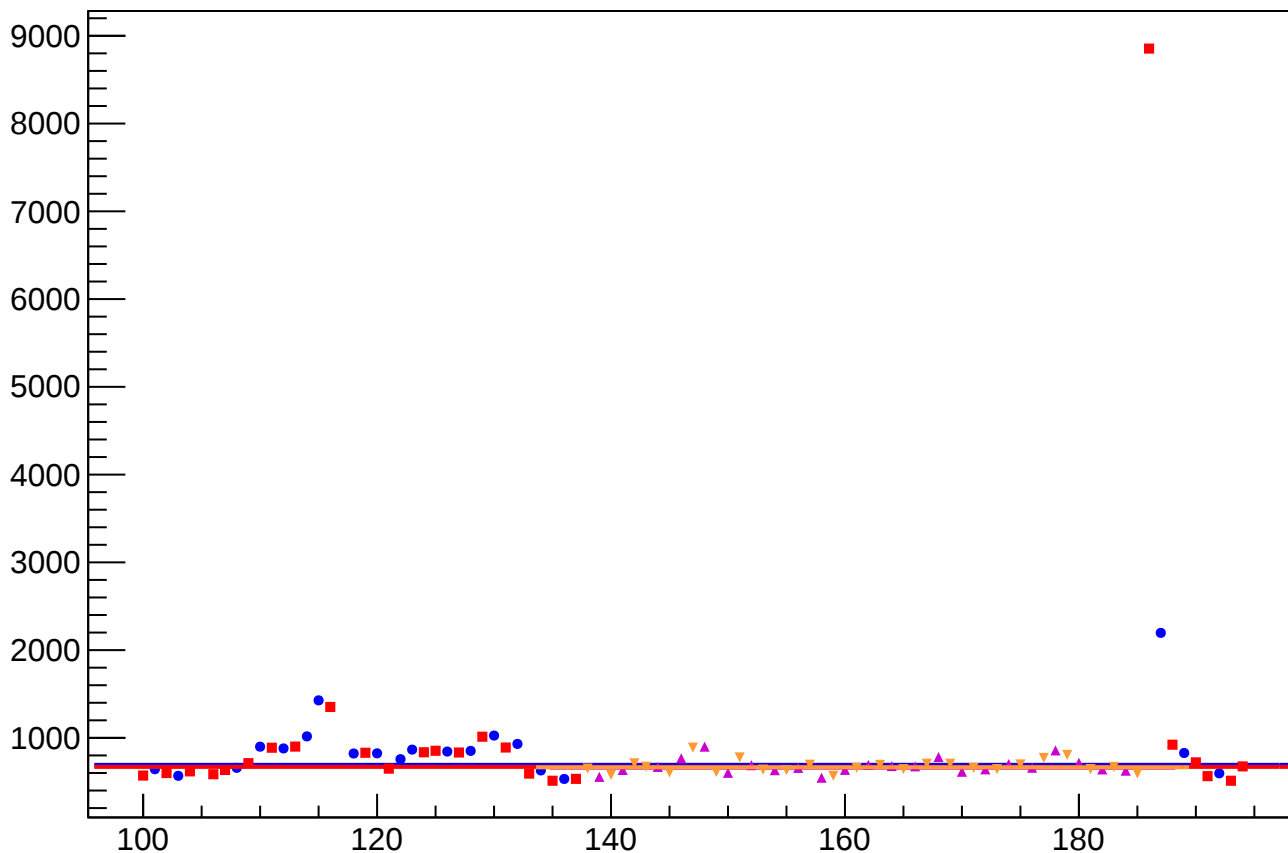
Left In: 14.768 $\pm$ 159.513 χ^2 /NDF:37.2/22

+ sign -246.422 $\pm$ 132.439 χ^2 /NDF: 37.1/44

All: -149.129 $\pm$ 92.153 χ^2 /NDF: 106.6/92

- sign -57.810 $\pm$ 128.308 χ^2 /NDF: 68.4/47

asym_sam_15_dd_rms vs Slug



Right In: 692.885 $\pm$ 0.178 χ^2 /NDF: 870190.7/19

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 669.603 $\pm$ 0.153 χ^2 /NDF: 1577759.3/24

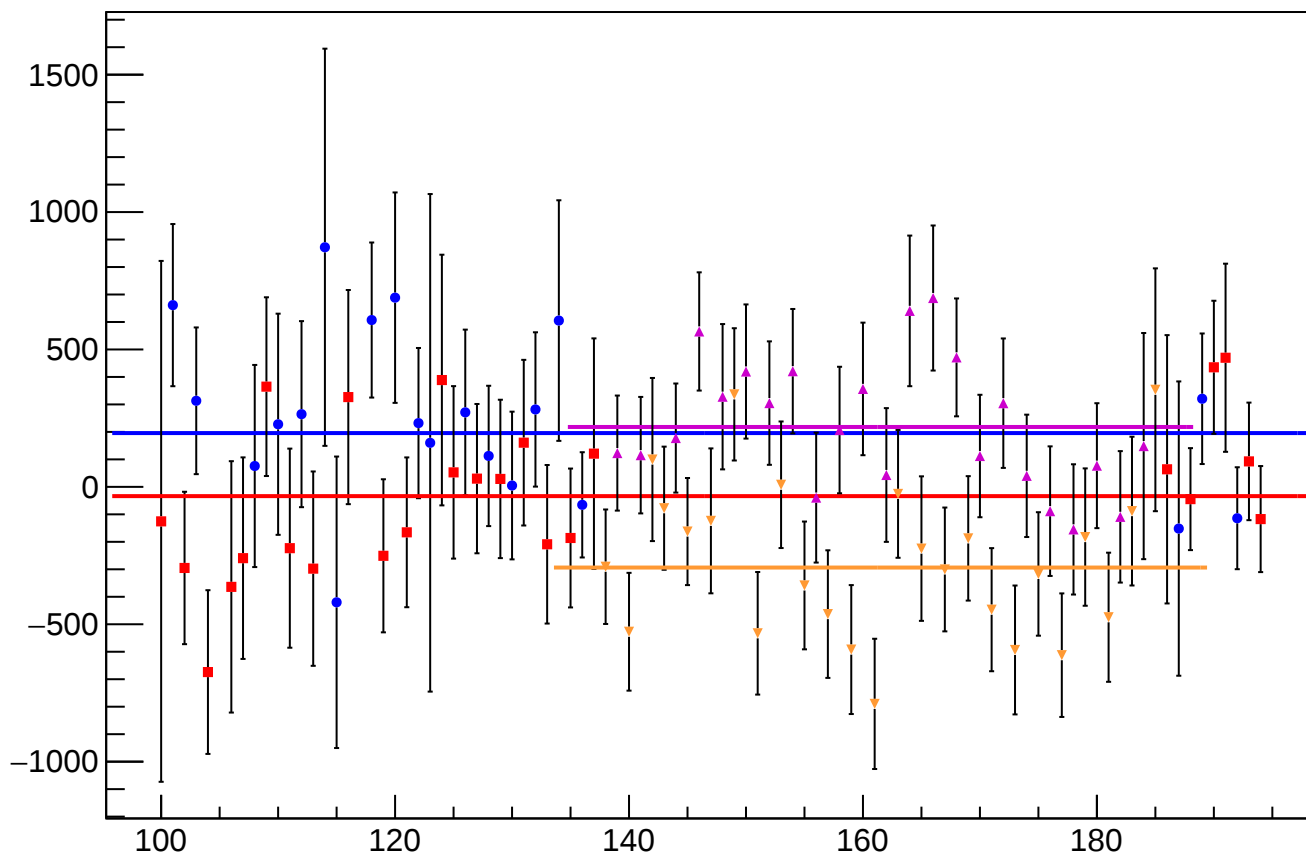
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 672.595 $\pm$ 0.094 χ^2 /NDF: 1245342.6/44

All: 668.144 $\pm$ 0.065 χ^2 /NDF: 3278768.0/92

- sign 663.966 $\pm$ 0.091 χ^2 /NDF: 2029045.6/47

reg_asym_sam_26_dd_mean vs Slug



Right In: 195.754 $\pm$ 66.976 χ^2 /NDF: 15.9/19

Left Out: -293.590 $\pm$ 47.203 χ^2 /NDF:30.3/24

Right Out: -33.709 $\pm$ 58.919 χ^2 /NDF: 19.3/24

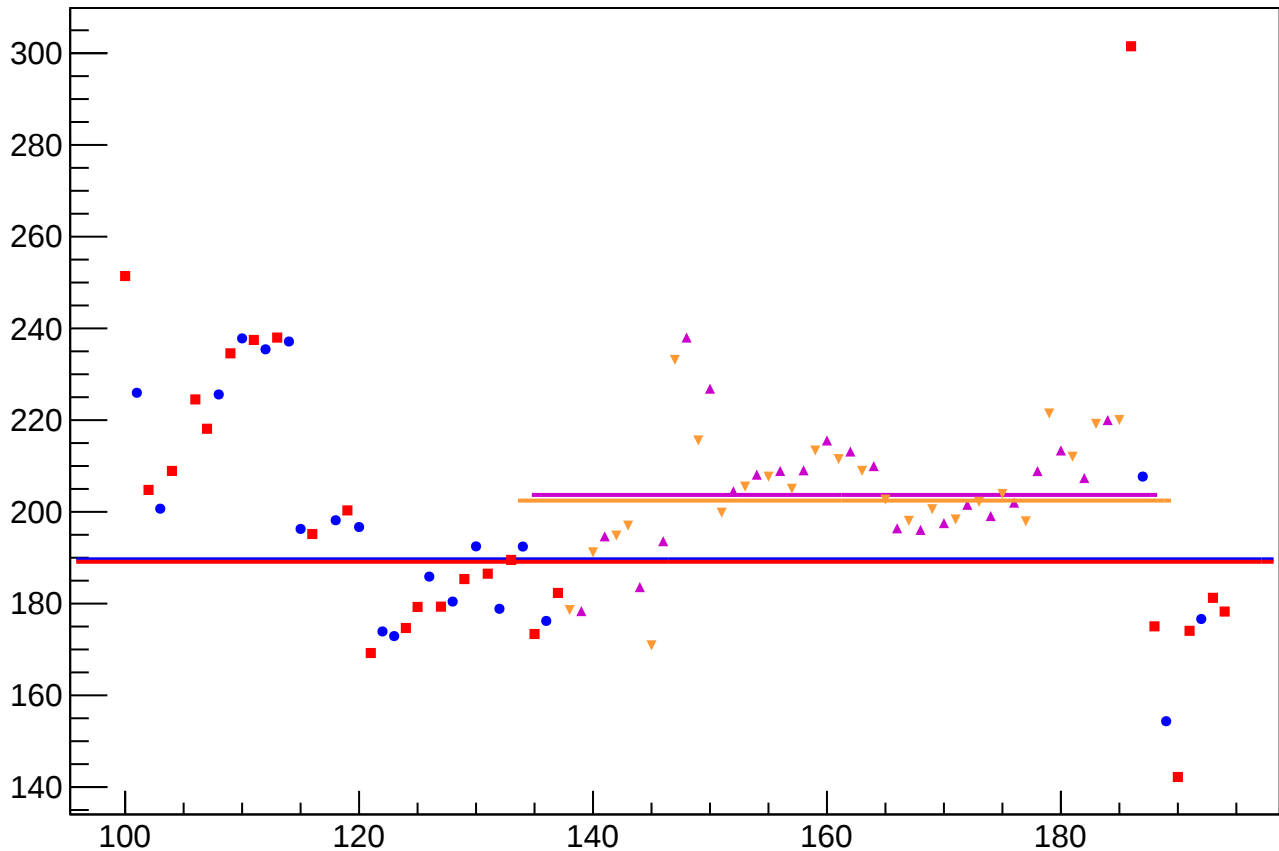
Left In: 217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

+ sign -131.196 $\pm$ 38.583 χ^2 /NDF: 81.8/44

All: -4.628 $\pm$ 26.925 χ^2 /NDF: 154.2/92

- sign 115.515 $\pm$ 37.592 χ^2 /NDF: 51.4/47

reg_asym_sam_26_dd_rms vs Slug



Right In: 189.655 $\pm$ 0.047 χ^2 /NDF: 209065.0/19

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 189.122 $\pm$ 0.042 χ^2 /NDF: 396475.5/24

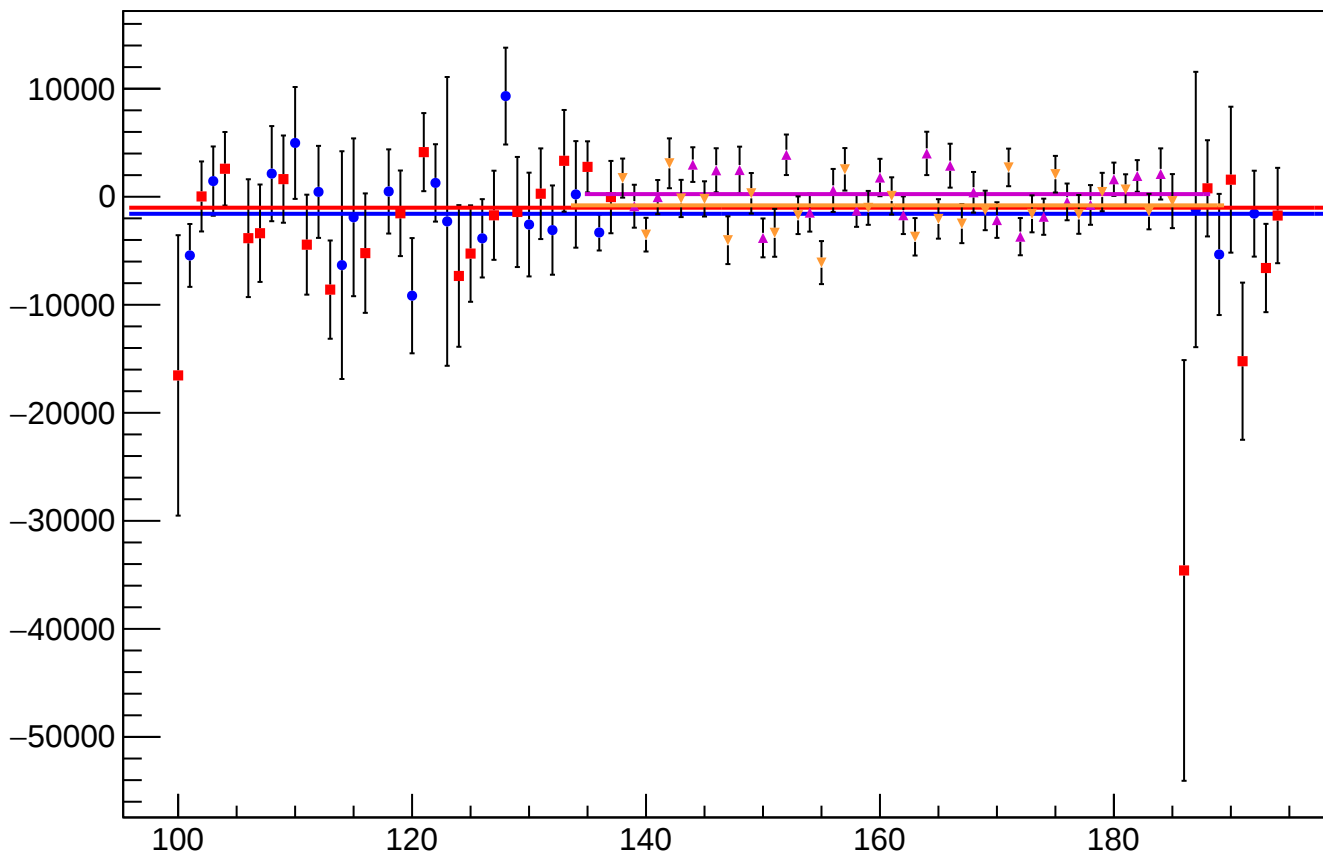
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 198.210 $\pm$ 0.027 χ^2 /NDF: 416477.9/44

All: 197.982 $\pm$ 0.019 χ^2 /NDF: 1021863.6/92

- sign 197.765 $\pm$ 0.027 χ^2 /NDF: 605249.5/47

asym_sam_26_dd_correction_mean vs Slug



Right In: -1577.744 ± 876.371 χ^2/NDF : 16.5/19

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1013.593 ± 862.195 χ^2/NDF : 24.0/24

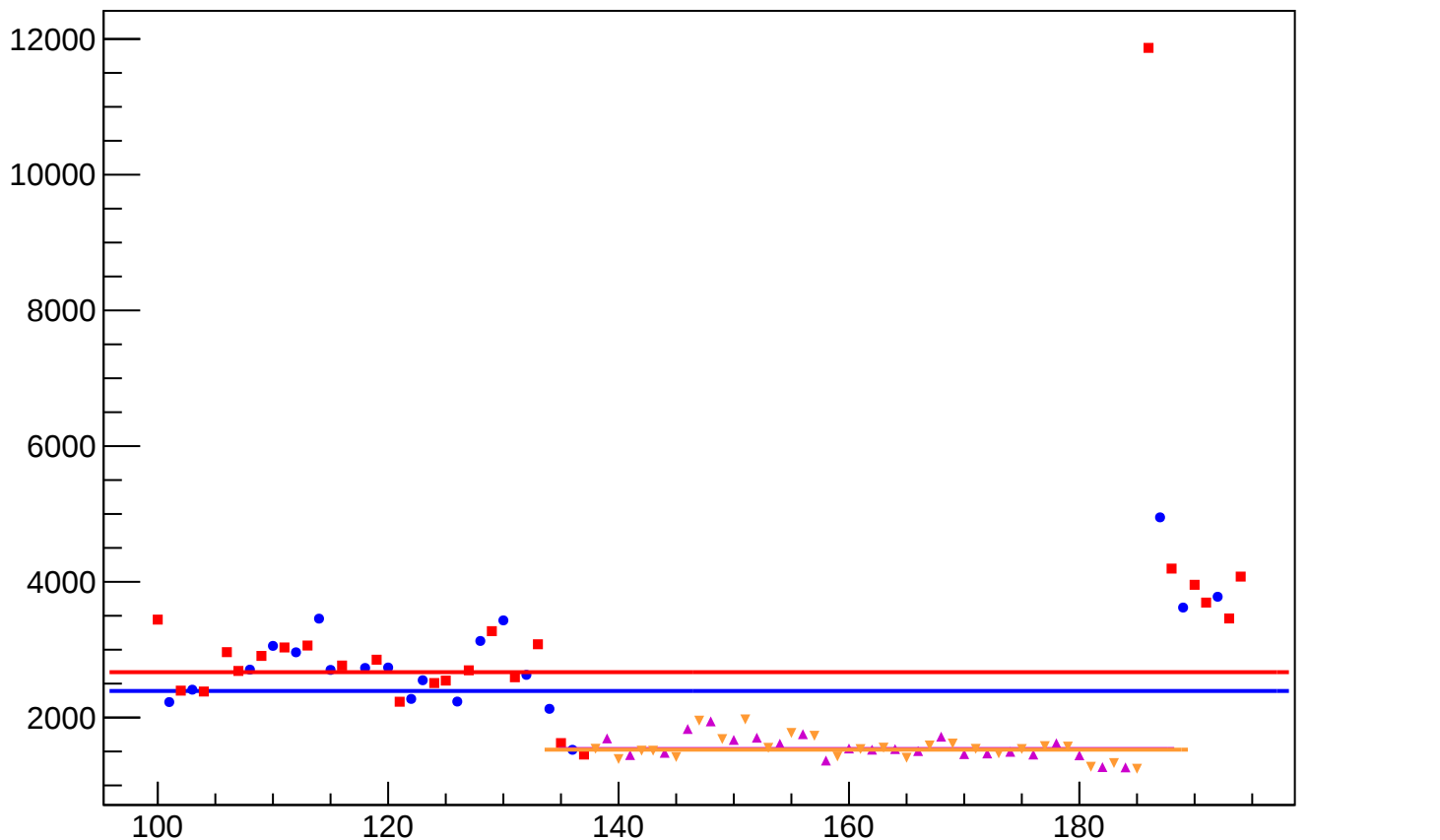
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -908.170 ± 331.296 χ^2/NDF : 52.9/44

All: -441.607 ± 237.243 χ^2/NDF : 118.5/92

- sign 49.489 ± 339.895 χ^2/NDF : 61.5/47

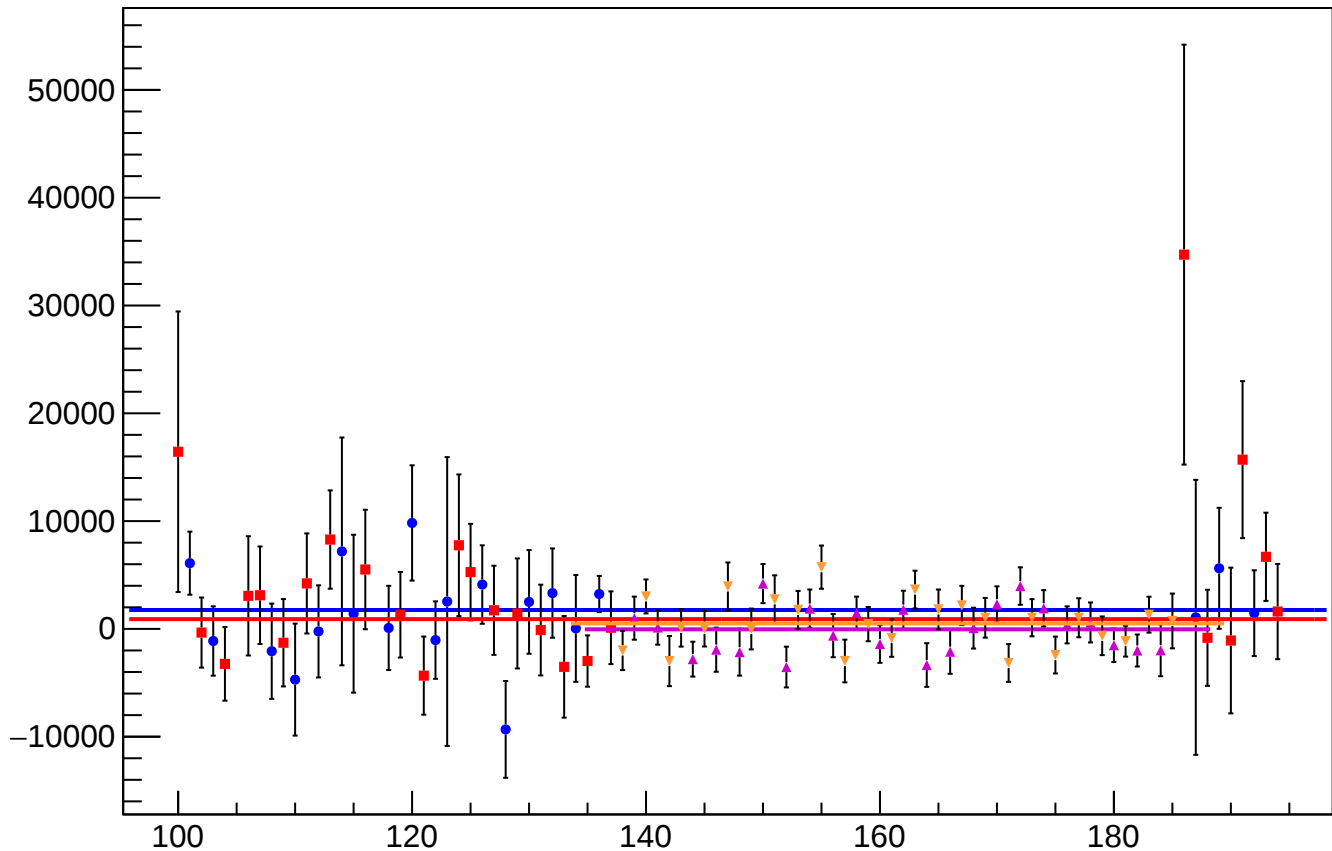
asym_sam_26_dd_correction_rms vs Slug



Right In: 2391.769 ± 0.620 $\chi^2/\text{NDF}: 1261435.0/19$
 Left Out: 1526.712 ± 0.253 $\chi^2/\text{NDF}: 394892.7/24$
 Right Out: 2668.789 ± 0.610 $\chi^2/\text{NDF}: 1881886.5/24$
 Left In: 1536.538 ± 0.262 $\chi^2/\text{NDF}: 350373.3/22$

+ sign 1650.335 ± 0.234 $\chi^2/\text{NDF}: 3326540.6/44$
 All: 1680.621 ± 0.168 $\chi^2/\text{NDF}: 8506177.5/92$
 - sign 1712.500 ± 0.240 $\chi^2/\text{NDF}: 5145329.0/47$

asym_sam_26_dd_mean vs Slug



Right In: 1752.598 $\pm$ 880.013 χ^2 /NDF: 16.9/19

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 906.011 $\pm$ 865.315 χ^2 /NDF: 24.8/24

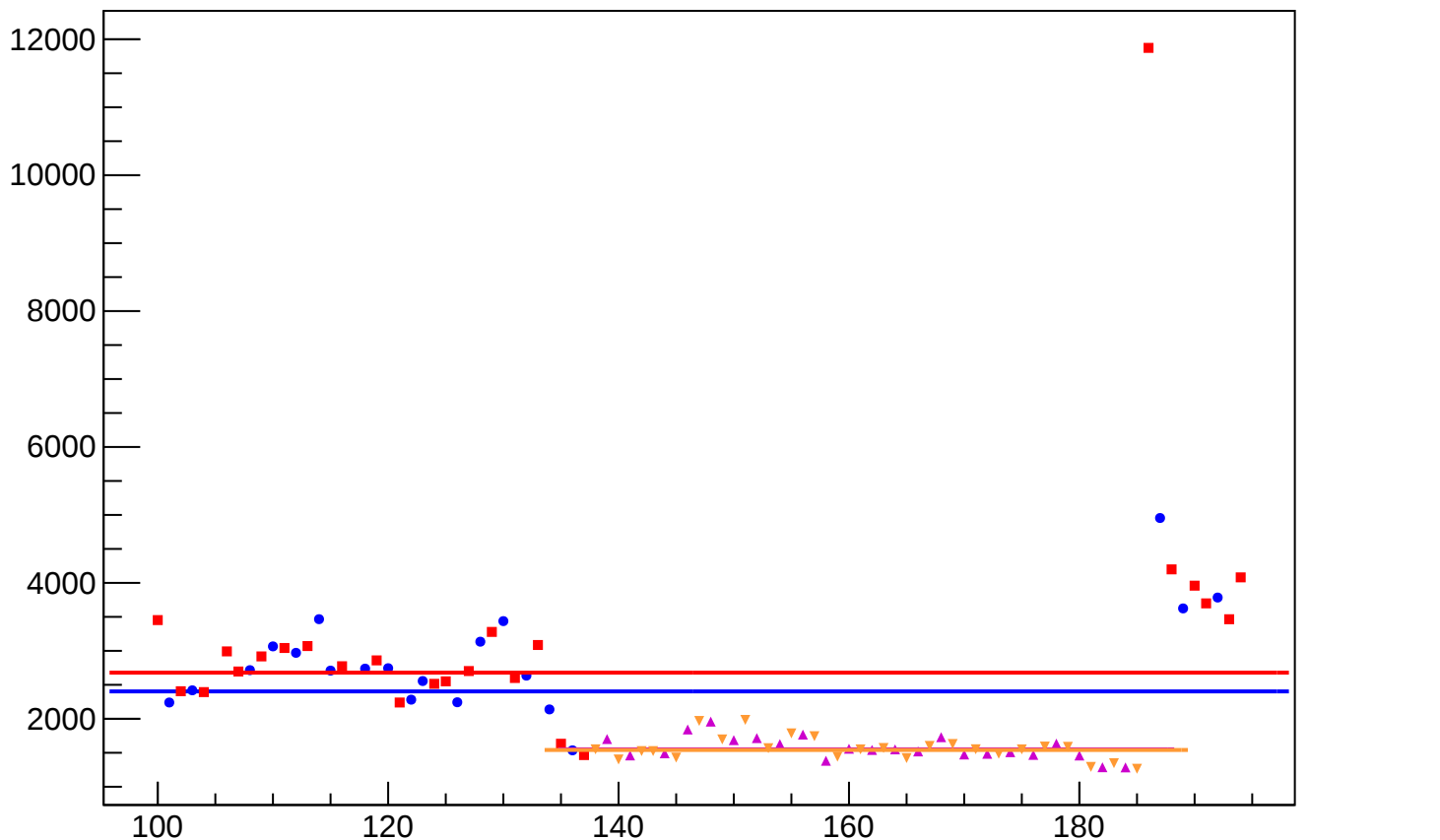
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 687.405 $\pm$ 334.126 χ^2 /NDF: 54.0/44

All: 405.237 $\pm$ 239.248 χ^2 /NDF: 114.8/92

- sign 108.343 $\pm$ 342.734 χ^2 /NDF: 59.4/47

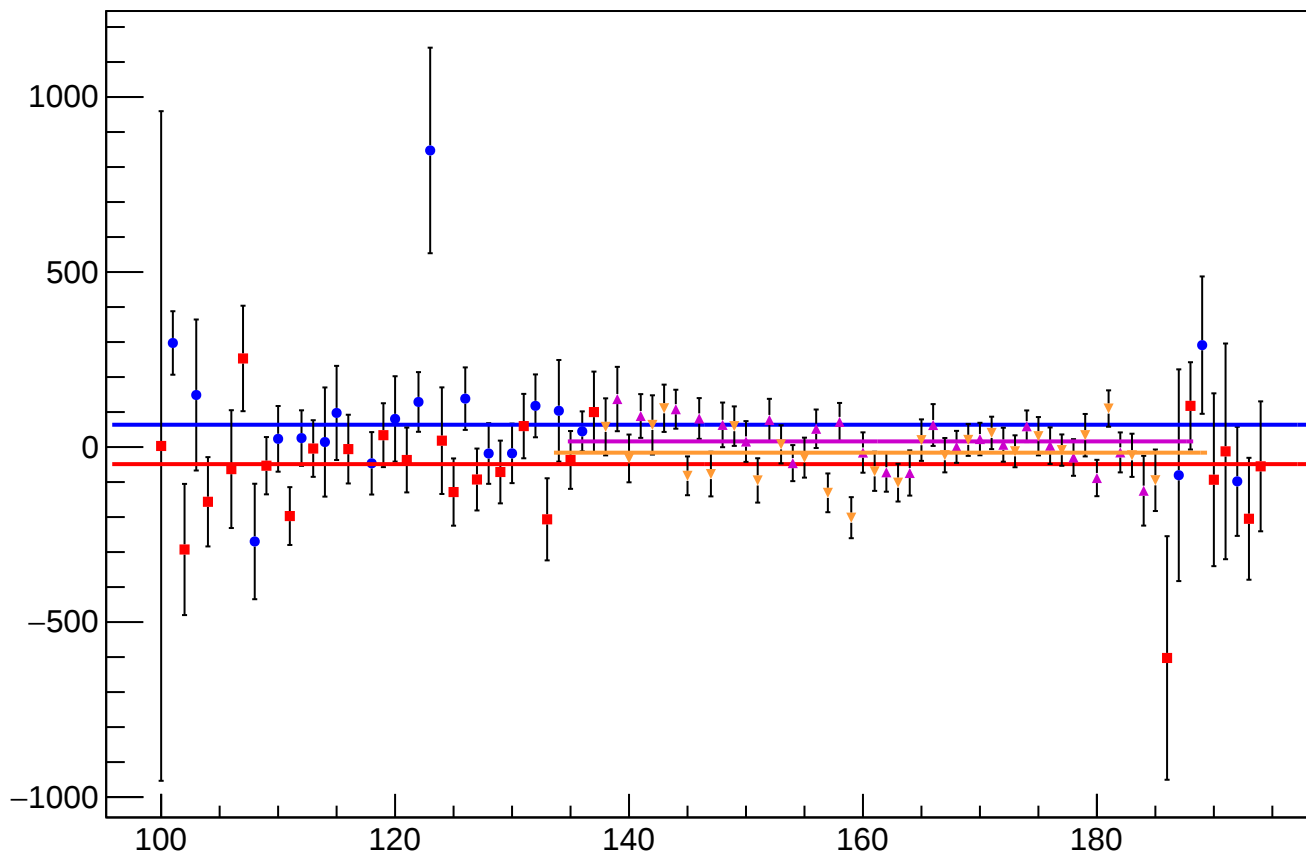
asym_sam_26_dd_rms vs Slug



Right In: 2403.180 ± 0.622 χ^2/NDF : 1244497.3/19
 Left Out: 1541.258 ± 0.255 χ^2/NDF : 382045.4/24
 Right Out: 2679.296 ± 0.612 χ^2/NDF : 1864802.7/24
 Left In: 1551.063 ± 0.264 χ^2/NDF : 338898.9/22

+ sign 1665.513 ± 0.236 χ^2/NDF : 3268569.8/44
 All: 1695.991 ± 0.169 χ^2/NDF : 8373031.9/92
 - sign 1728.060 ± 0.242 χ^2/NDF : 5070310.5/47

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.763 ± 23.285 χ^2/NDF : 26.4/19

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -48.773 ± 22.720 χ^2/NDF : 22.2/24

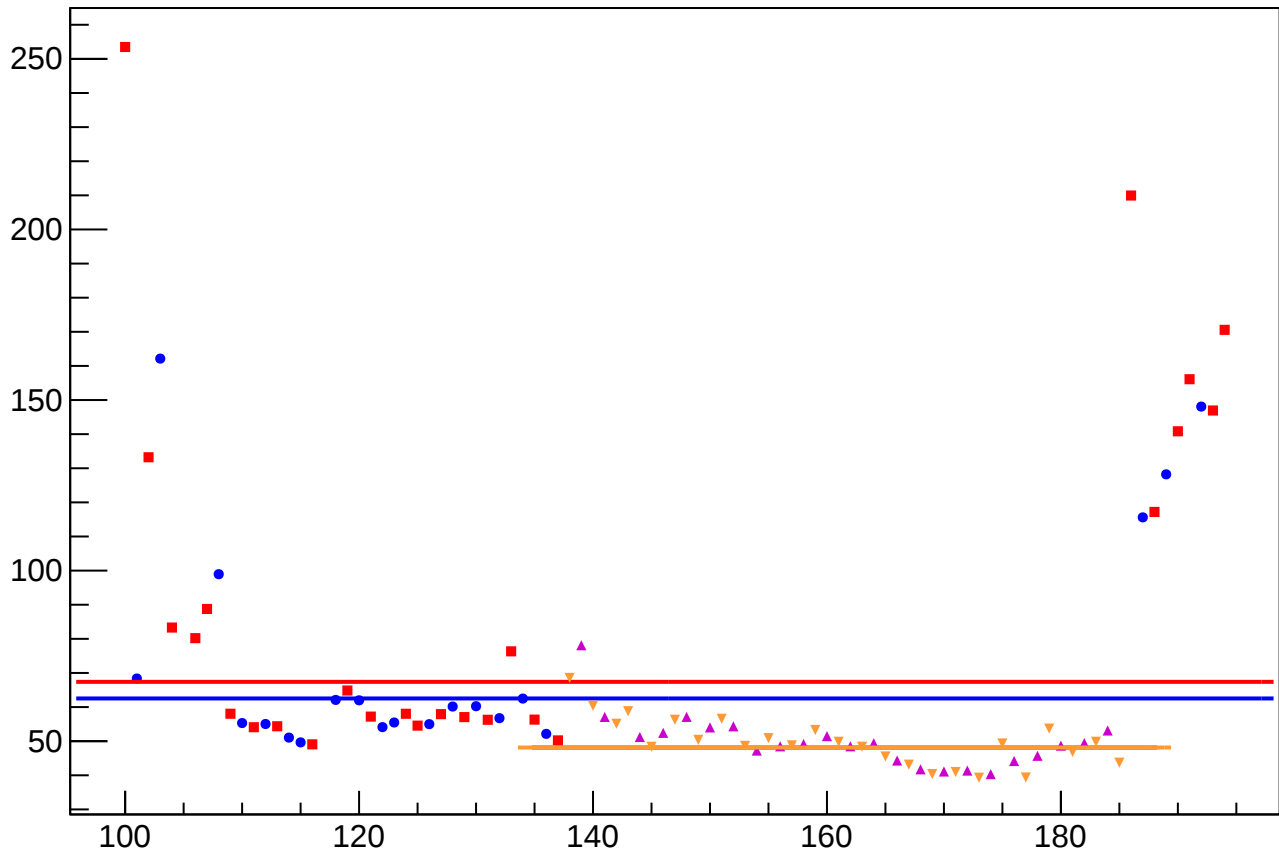
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -0.748 ± 10.195 χ^2/NDF : 75.6/44

All: 0.920 ± 7.269 χ^2/NDF : 129.6/92

- sign 2.644 ± 10.366 χ^2/NDF : 53.9/47

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.525+/-0.016 χ^2/NDF : 1592154.6/19

Left Out: 48.141+/-0.008 χ^2/NDF : 655250.3/24

Right Out: 67.394+/-0.016 χ^2/NDF : 2877238.4/24

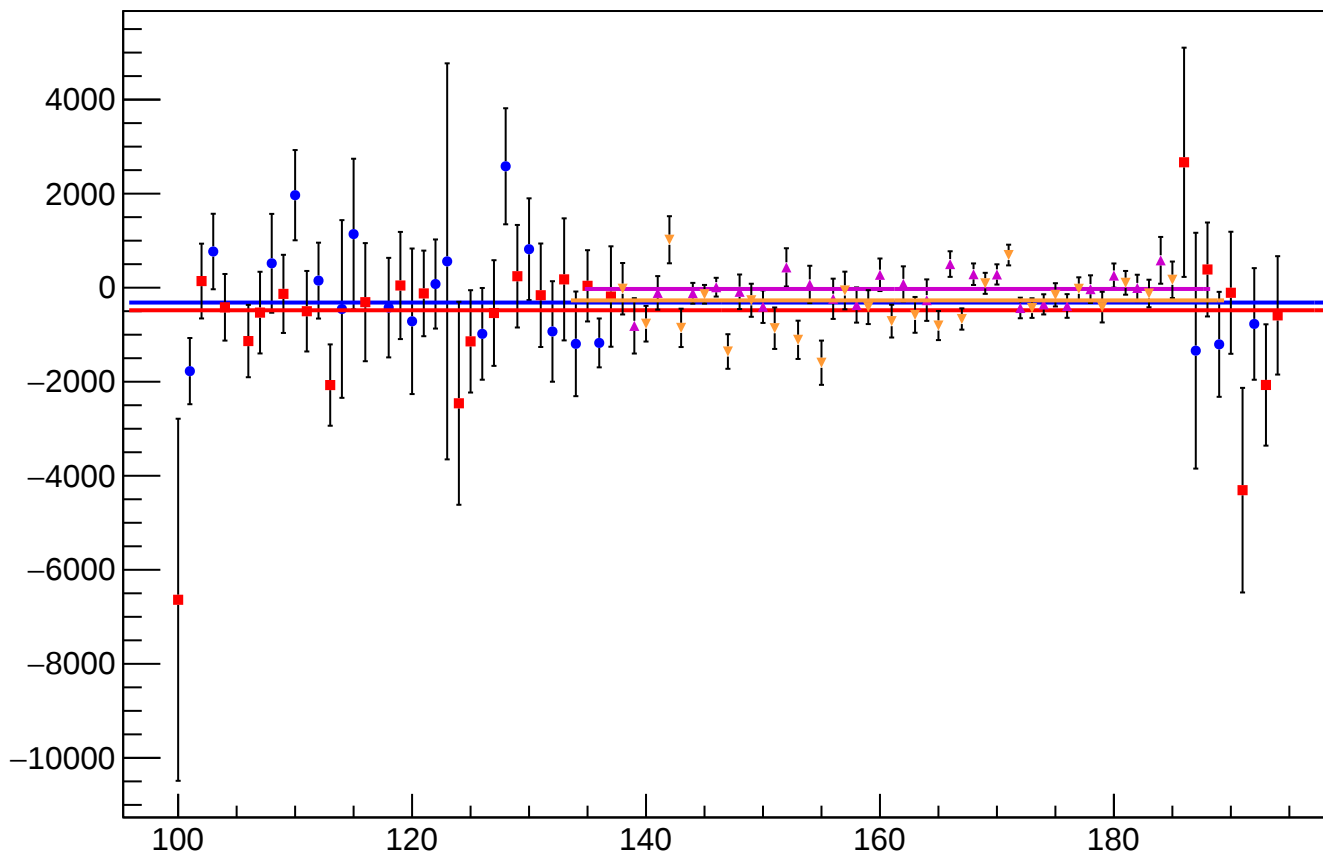
Left In: 48.139+/-0.008 χ^2/NDF : 575025.5/22

+ sign 50.898+/-0.007 χ^2/NDF : 2864303.2/44

All: 51.512+/-0.005 χ^2/NDF : 7468721.9/92

- sign 52.147+/-0.007 χ^2/NDF : 4589656.9/47

asym_sam_37_dd_correction_mean vs Slug



Right In: -316.195 ± 224.382 χ^2/NDF : 25.6/19

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -480.212 ± 206.939 χ^2/NDF : 17.5/24

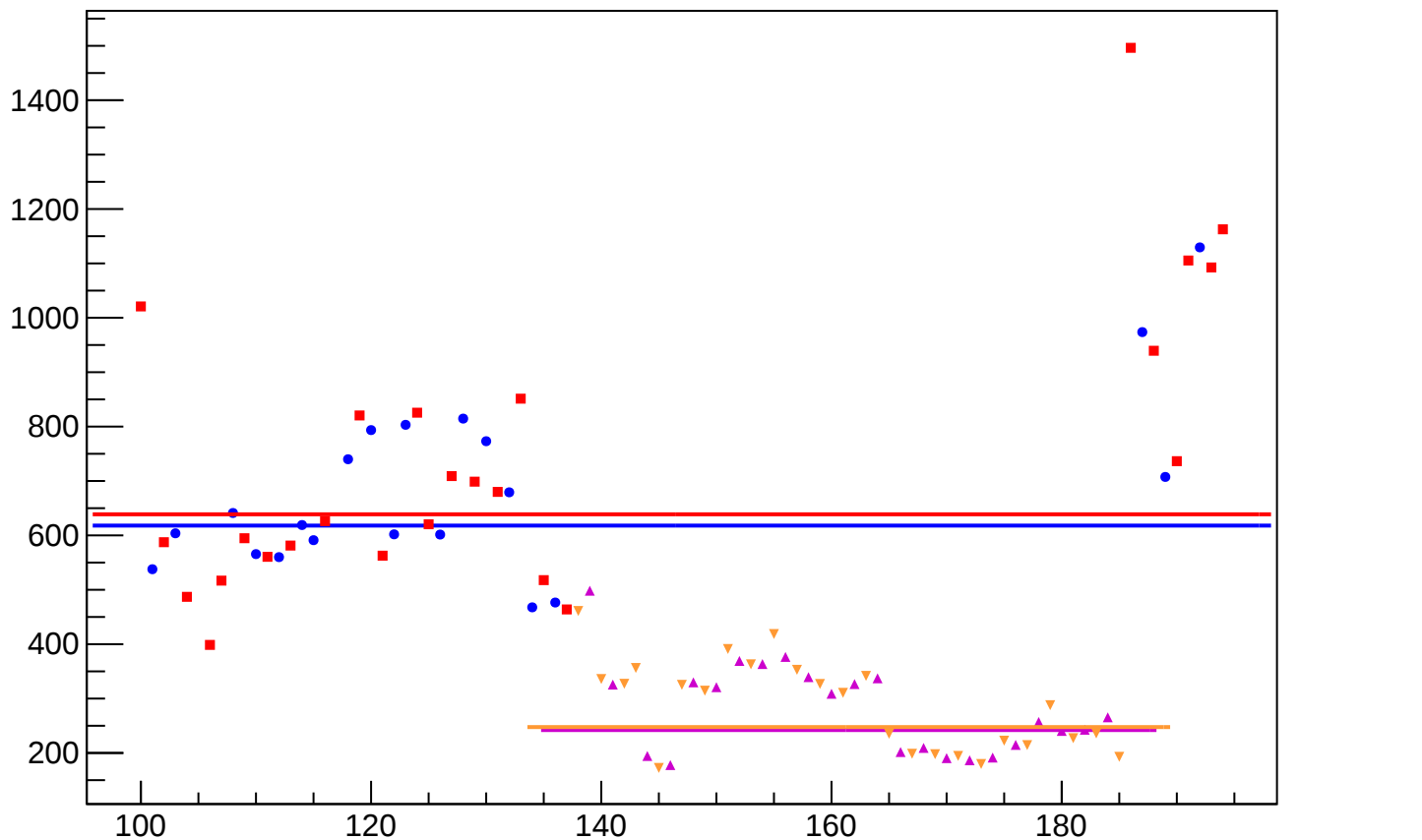
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -273.299 ± 58.123 χ^2/NDF : 95.7/44

All: -167.870 ± 41.058 χ^2/NDF : 149.3/92

- sign -62.861 ± 58.007 χ^2/NDF : 47.0/47

asym_sam_37_dd_correction_rms vs Slug



Right In: 618.015 $\pm$ 0.159 χ^2/NDF : 809196.6/19

Left Out: 247.570 $\pm$ 0.043 χ^2/NDF : 2780931.0/24

Right Out: 638.764 $\pm$ 0.146 χ^2/NDF : 1766383.1/24

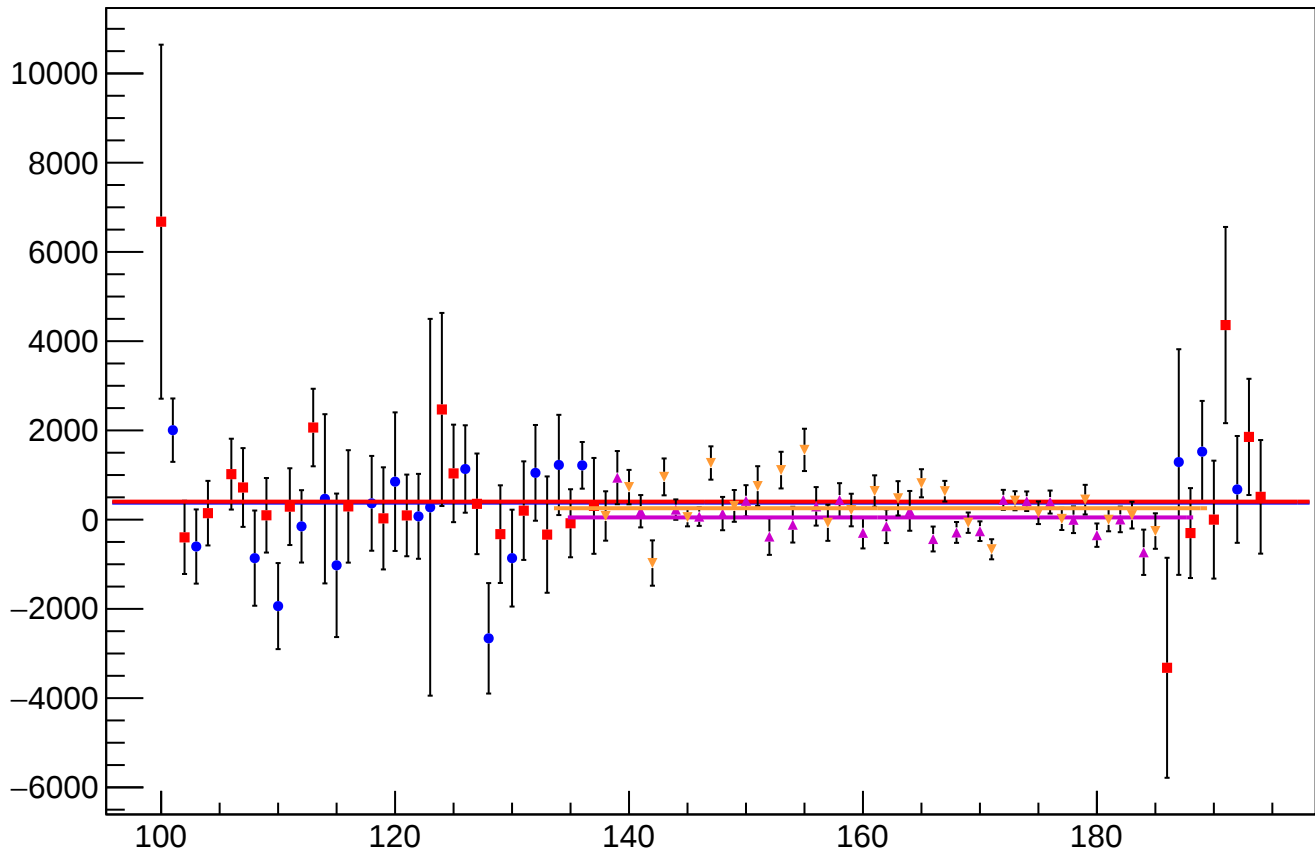
Left In: 242.117 $\pm$ 0.043 χ^2/NDF : 2466108.9/22

+ sign 272.427 $\pm$ 0.041 χ^2/NDF : 8675673.3/44

All: 272.856 $\pm$ 0.029 χ^2/NDF : 19678799.6/92

- sign 273.283 $\pm$ 0.041 χ^2/NDF : 11002909.1/47

asym_sam_37_dd_mean vs Slug



Right In: 381.197 $\pm$ 226.380 χ^2 /NDF: 27.8/19

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF:63.6/24

Right Out: 403.571 $\pm$ 209.305 χ^2 /NDF: 18.2/24

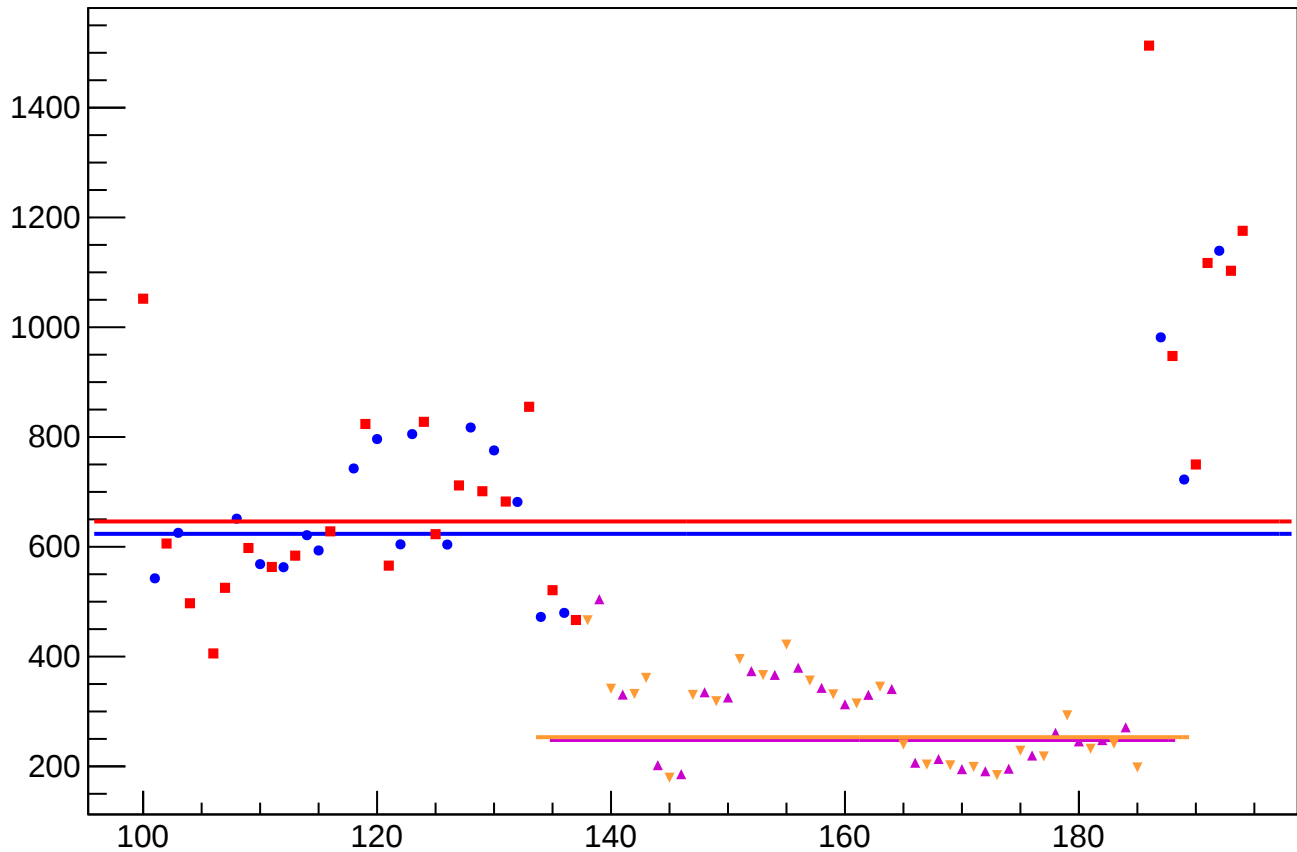
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF:27.5/22

+ sign 264.579 $\pm$ 59.276 χ^2 /NDF: 91.7/44

All: 171.346 $\pm$ 41.906 χ^2 /NDF: 144.9/92

- sign 78.182 $\pm$ 59.254 χ^2 /NDF: 48.3/47

asym_sam_37_dd_rms vs Slug



Right In: 623.604 $\pm$ 0.160 χ^2 /NDF: 809306.4/19

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 646.179 $\pm$ 0.148 χ^2 /NDF: 1743519.0/24

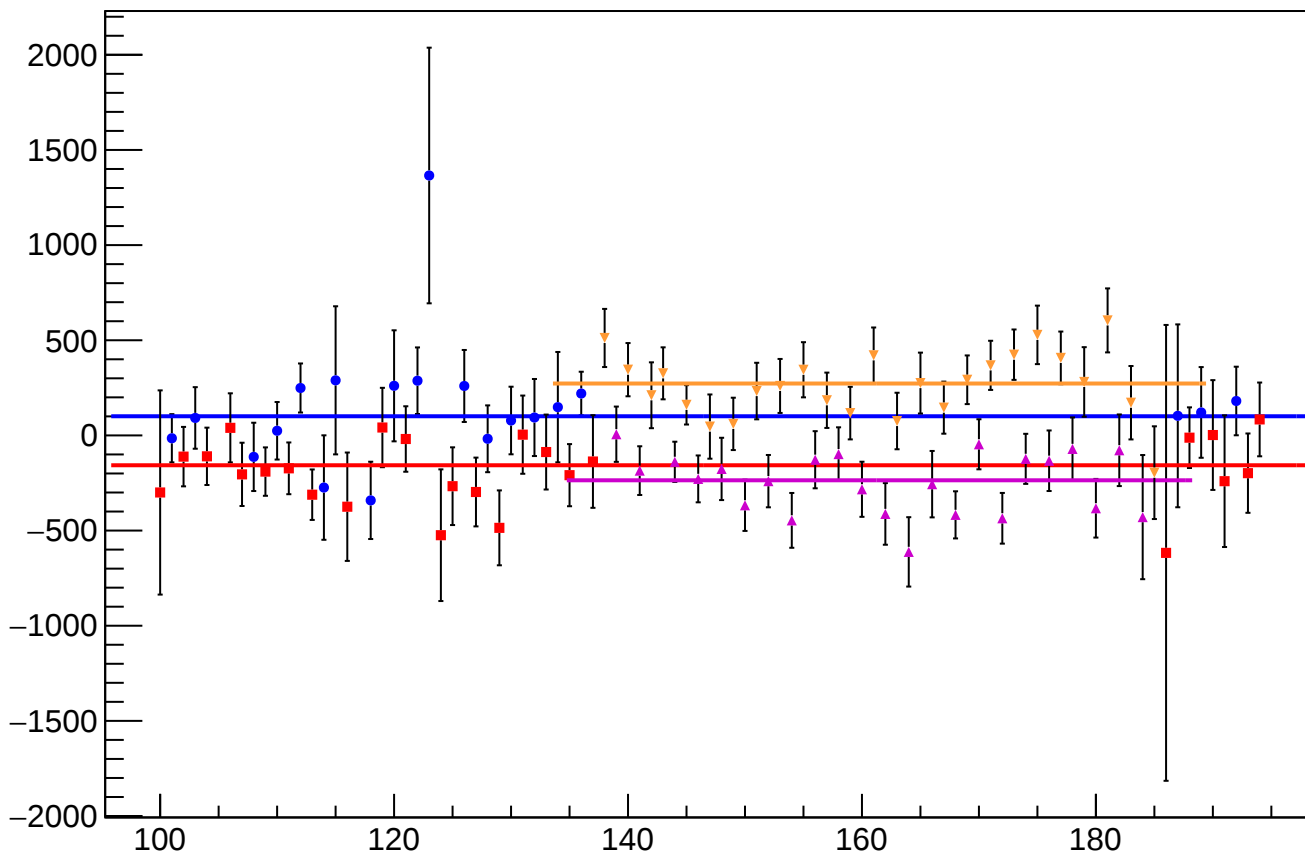
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 278.536 $\pm$ 0.042 χ^2 /NDF: 8464212.1/44

All: 279.256 $\pm$ 0.030 χ^2 /NDF: 19207348.7/92

- sign 279.975 $\pm$ 0.042 χ^2 /NDF: 10742547.6/47

reg_asym_sam_48_dd_mean vs Slug



Right In: 100.655 $\pm$ 41.390 χ^2 /NDF: 18.2/19

Left Out: 272.684 $\pm$ 29.221 χ^2 /NDF: 27.4/24

Right Out: -156.821 $\pm$ 37.803 χ^2 /NDF: 13.7/24

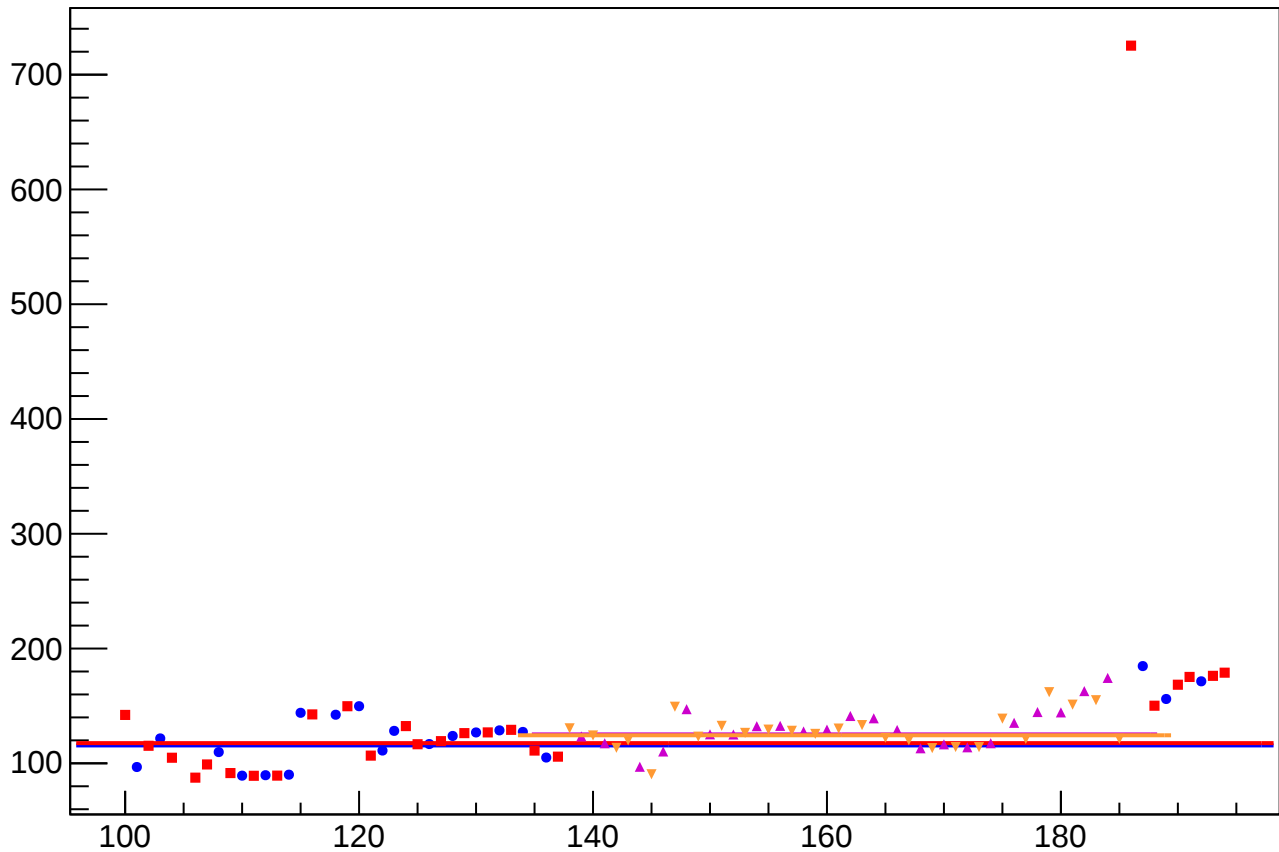
Left In: -235.801 $\pm$ 30.232 χ^2 /NDF: 24.6/22

+ sign 215.461 $\pm$ 23.871 χ^2 /NDF: 57.1/44

All: 2.920 $\pm$ 16.787 χ^2 /NDF: 254.9/92

- sign -204.993 $\pm$ 23.610 χ^2 /NDF: 41.0/47

reg_asym_sam_48_dd_rms vs Slug



Right In: 115.586 $\pm$ 0.029 χ^2 /NDF: 615529.2/19

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 117.597 $\pm$ 0.027 χ^2 /NDF: 1534812.1/24

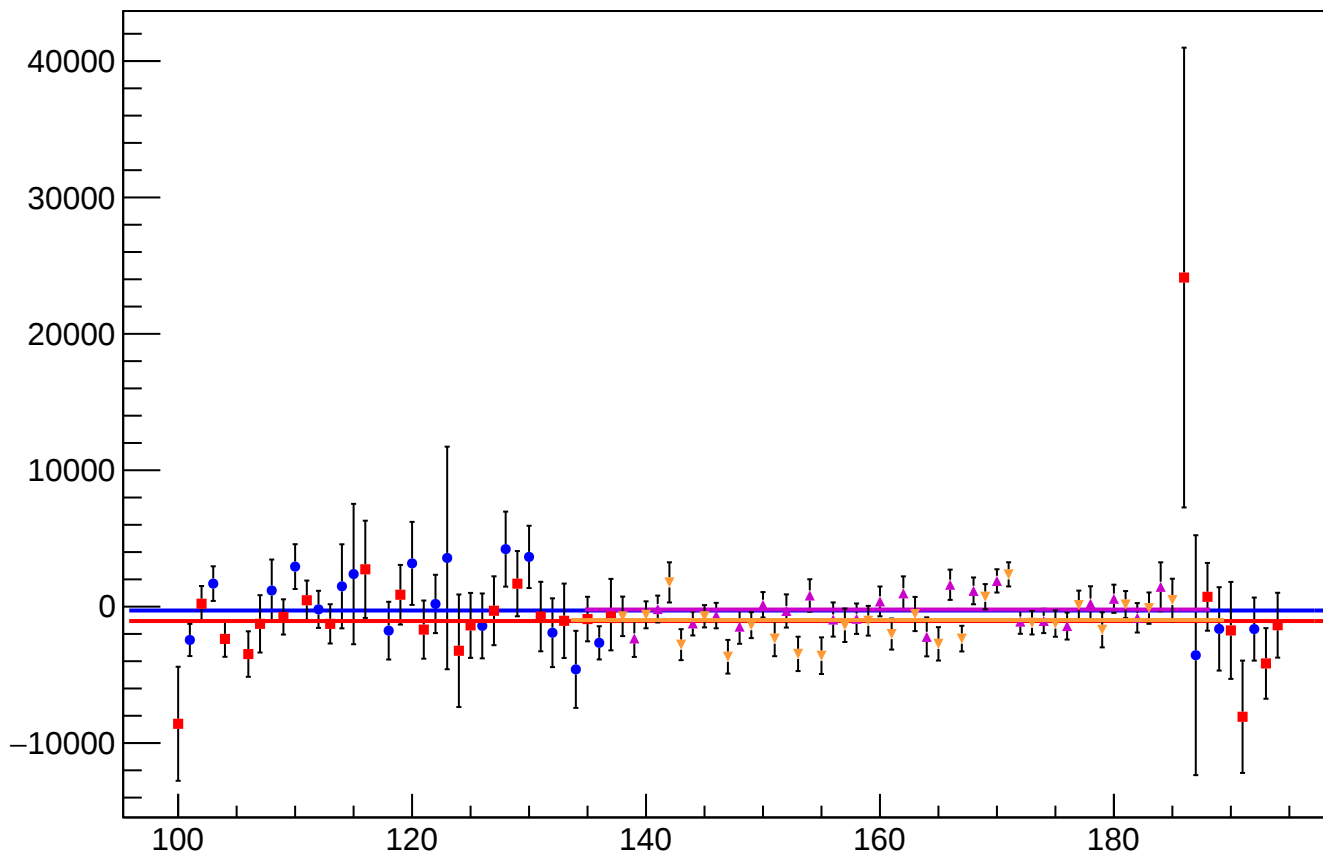
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 121.487 $\pm$ 0.017 χ^2 /NDF: 1216177.9/44

All: 121.866 $\pm$ 0.012 χ^2 /NDF: 3302787.4/92

- sign 122.237 $\pm$ 0.017 χ^2 /NDF: 2085611.9/47

asym_sam_48_dd_correction_mean vs Slug



Right In: -282.633 $\pm$ 450.962 χ^2/NDF : 25.8/19

Left Out: -982.839 $\pm$ 218.021 χ^2/NDF : 47.2/24

Right Out: -1055.642 $\pm$ 411.872 χ^2/NDF : 19.4/24

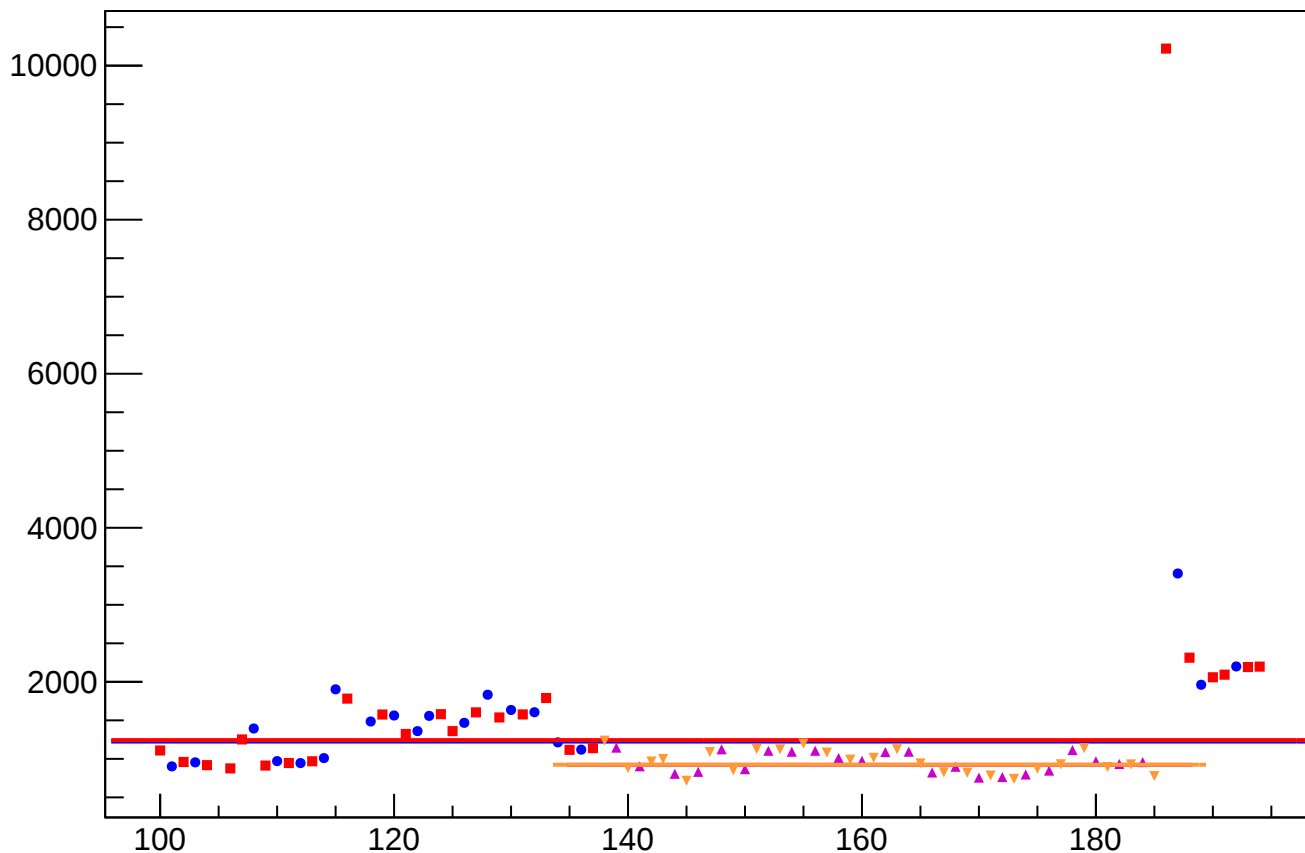
Left In: -211.420 $\pm$ 223.296 χ^2/NDF : 25.7/22

+ sign -850.184 $\pm$ 196.286 χ^2/NDF : 74.9/44

All: -626.708 $\pm$ 138.801 χ^2/NDF : 125.8/92

- sign -403.193 $\pm$ 196.303 χ^2/NDF : 48.3/47

asym_sam_48_dd_correction_rms vs Slug



Right In: 1224.630+/-0.319 χ^2/NDF : 1333318.6/19

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

Right Out: 1243.606+/-0.291 χ^2/NDF : 2639421.2/24

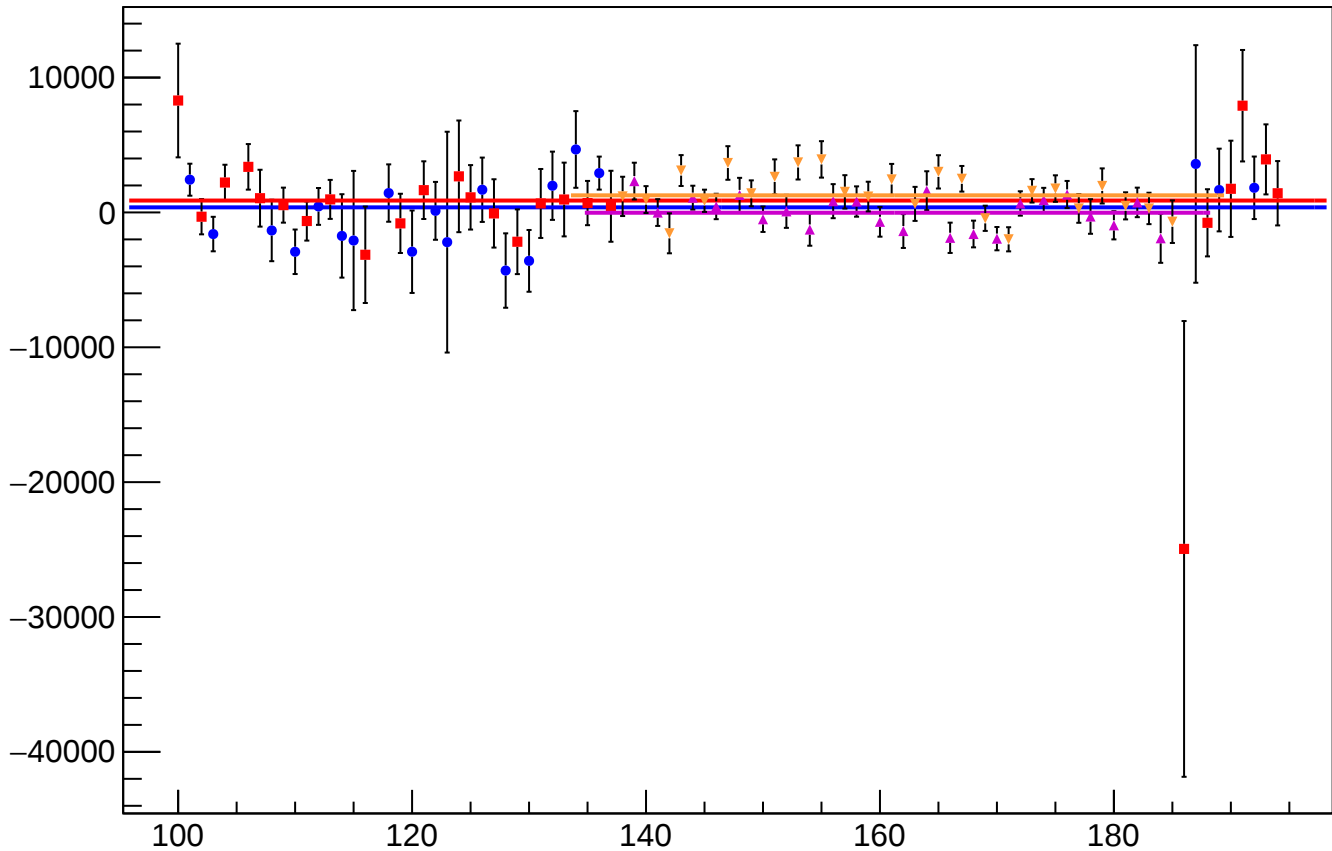
Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

+ sign 980.619+/-0.139 χ^2/NDF : 2898495.3/44

All: 987.931+/-0.098 χ^2/NDF : 7119163.9/92

- sign 995.245+/-0.139 χ^2/NDF : 4215117.0/47

asym_sam_48_dd_mean vs Slug



Right In: 376.026+/-453.126 χ^2/NDF : 26.0/19

Left Out: 1267.344+/-220.133 χ^2/NDF : 44.9/24

Right Out: 881.364+/-414.020 χ^2/NDF : 19.5/24

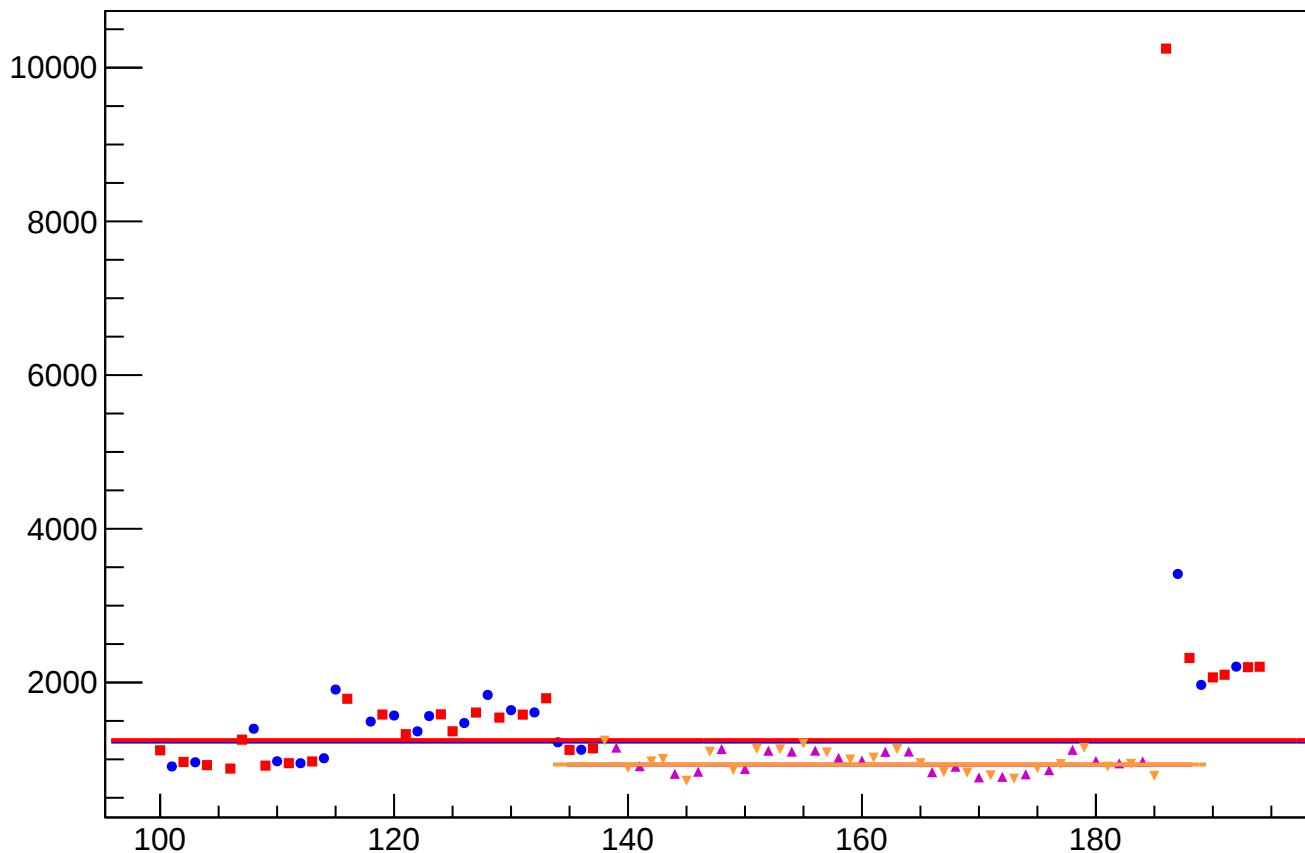
Left In: -23.478+/-225.490 χ^2/NDF : 27.2/22

+ sign 1097.150+/-198.004 χ^2/NDF : 74.1/44

All: 640.384+/-140.017 χ^2/NDF : 135.1/92

- sign 183.522+/-198.025 χ^2/NDF : 50.3/47

asym_sam_48_dd_rms vs Slug



Right In: 1230.912 $\pm$ 0.320 χ^2 /NDF: 1324851.9/19

Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24

Right Out: 1250.295 $\pm$ 0.293 χ^2 /NDF: 2626153.2/24

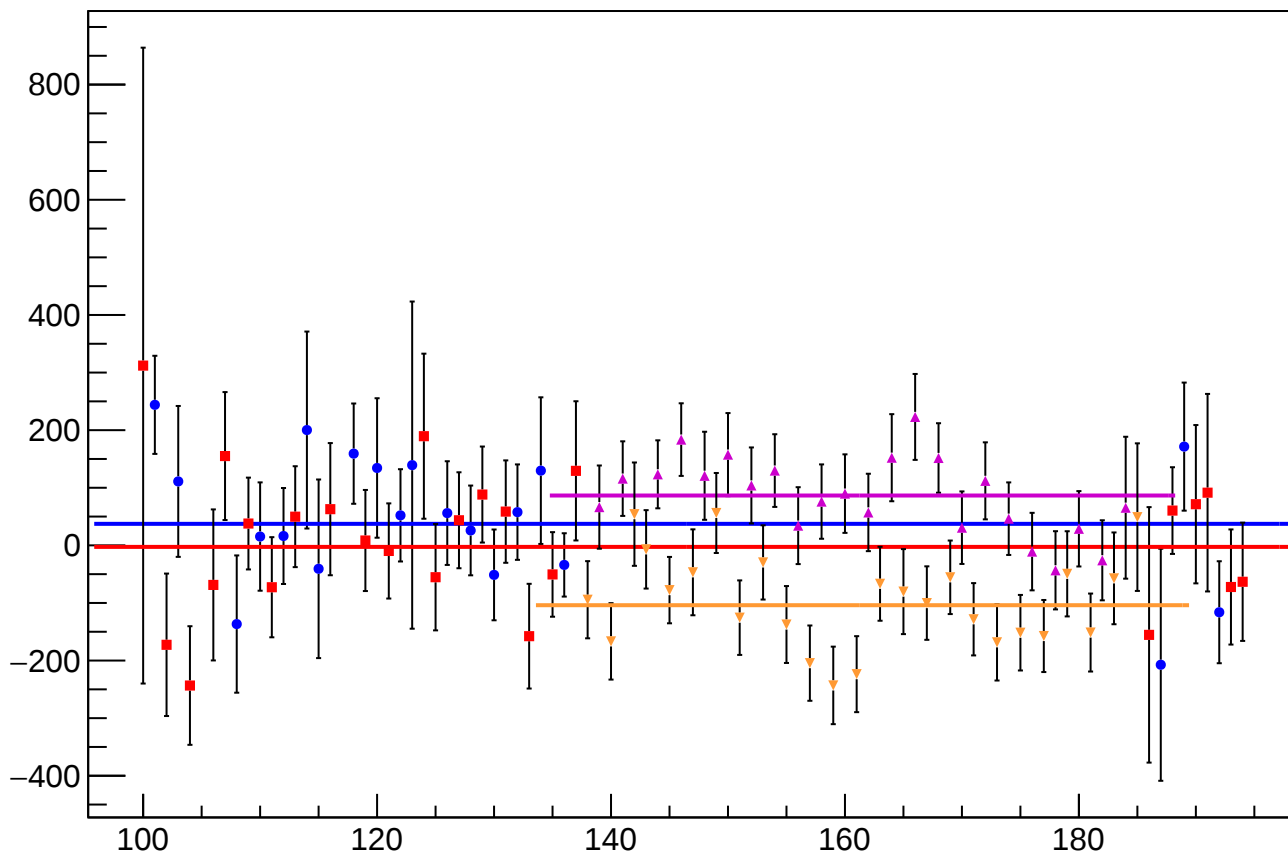
Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

+ sign 989.694 $\pm$ 0.140 χ^2 /NDF: 2855191.0/44

All: 997.059 $\pm$ 0.099 χ^2 /NDF: 7025878.5/92

- sign 1004.425 $\pm$ 0.140 χ^2 /NDF: 4165153.3/47

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 37.368 ± 21.376 χ^2/NDF : 21.9/19

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: -2.651 ± 19.963 χ^2/NDF : 22.8/24

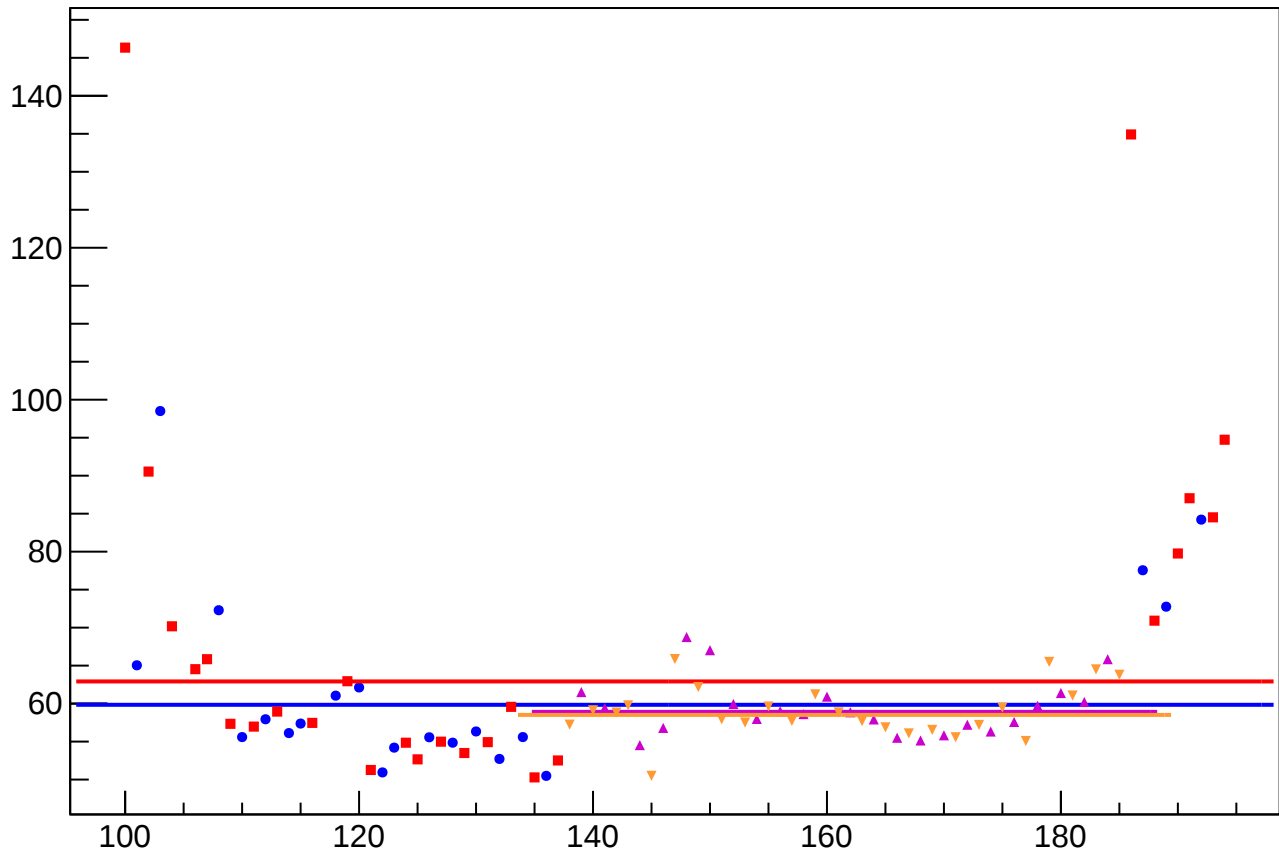
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -63.014 ± 11.500 χ^2/NDF : 82.9/44

All: -3.253 ± 8.142 χ^2/NDF : 194.5/92

- sign 56.801 ± 11.528 χ^2/NDF : 57.5/47

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 59.843 ± 0.015 $\chi^2/\text{NDF}: 522266.3/19$

Left Out: 58.513 ± 0.010 $\chi^2/\text{NDF}: 123221.6/24$

Right Out: 62.916 ± 0.014 $\chi^2/\text{NDF}: 980623.6/24$

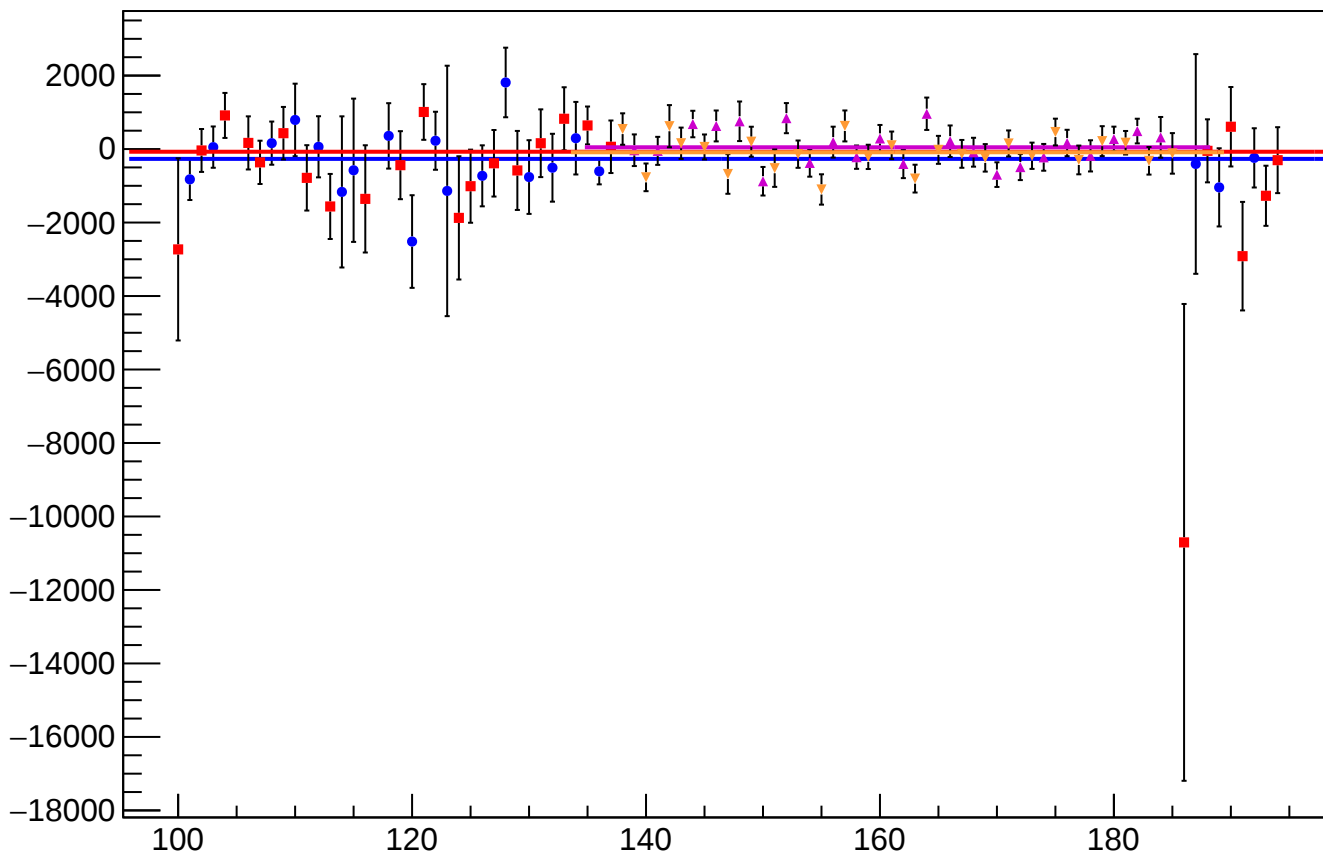
Left In: 58.913 ± 0.010 $\chi^2/\text{NDF}: 109968.0/22$

+ sign 58.898 ± 0.008 $\chi^2/\text{NDF}: 650988.5/44$

All: 59.571 ± 0.006 $\chi^2/\text{NDF}: 1808919.2/92$

- sign 60.248 ± 0.008 $\chi^2/\text{NDF}: 1144178.8/47$

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -267.492 ± 176.944 χ^2/NDF : 14.7/19

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -72.906 ± 167.663 χ^2/NDF : 25.5/24

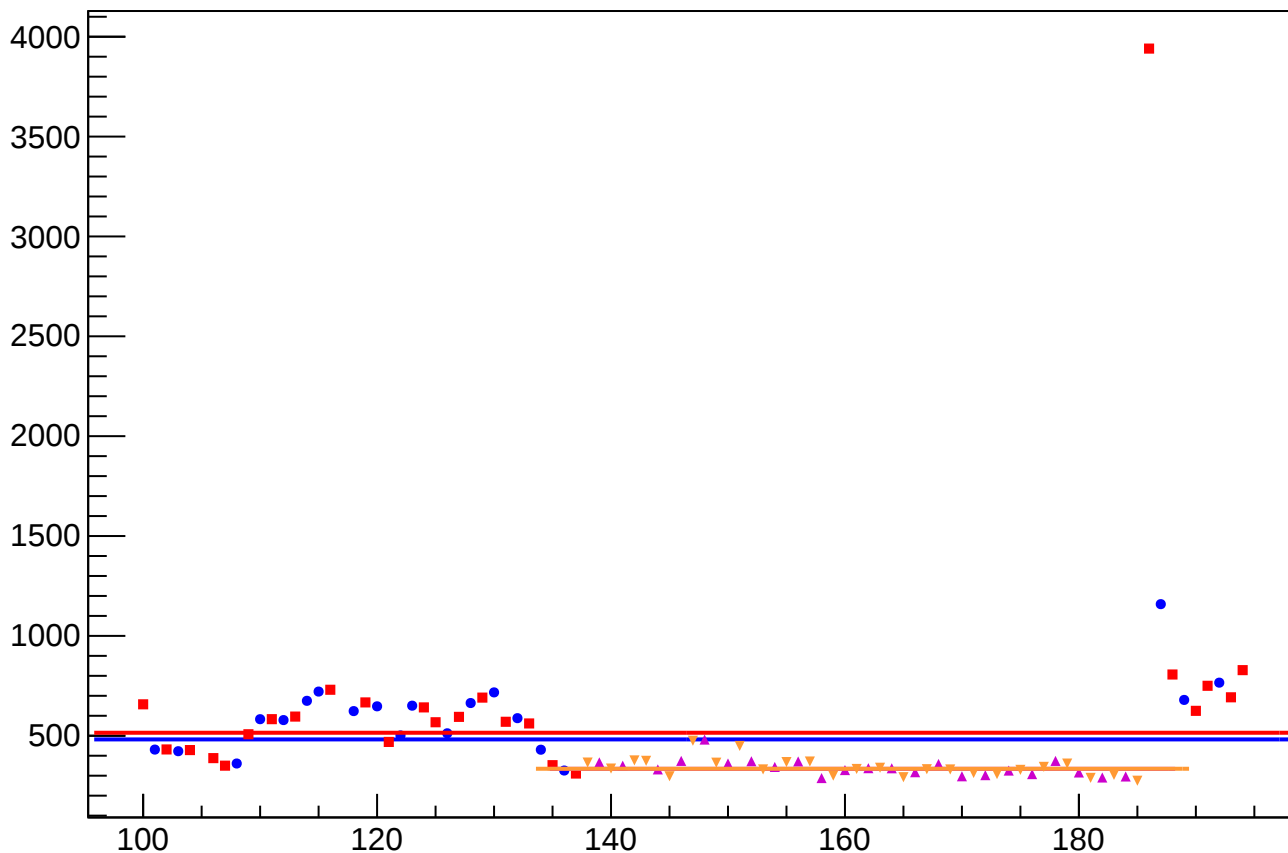
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -117.101 ± 71.799 χ^2/NDF : 43.3/44

All: -46.383 ± 51.052 χ^2/NDF : 106.6/92

- sign 25.931 ± 72.604 χ^2/NDF : 61.3/47

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 481.619+/-0.125 χ^2/NDF : 1331744.0/19

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

Right Out: 515.014+/-0.119 χ^2/NDF : 2098335.0/24

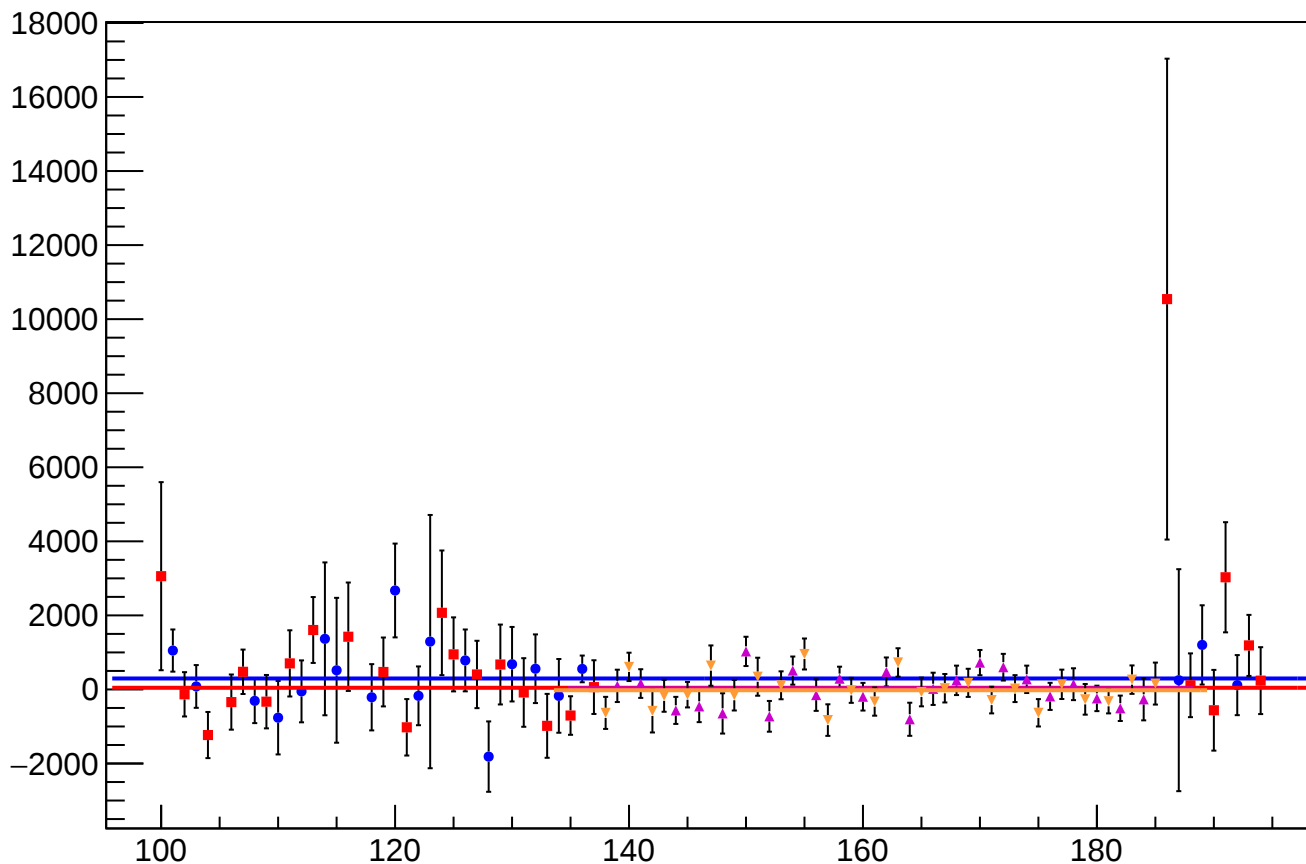
Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

+ sign 358.931+/-0.051 χ^2/NDF : 2974169.6/44

All: 363.446+/-0.036 χ^2/NDF : 7376689.5/92

- sign 368.063+/-0.051 χ^2/NDF : 4386524.0/47

asym_sam_13_57_dd_mean vs Slug



Right In: 296.388 $\pm$ 178.952 χ^2 /NDF: 15.8/19

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF: 27.2/24

Right Out: 45.051 $\pm$ 169.583 χ^2 /NDF: 28.6/24

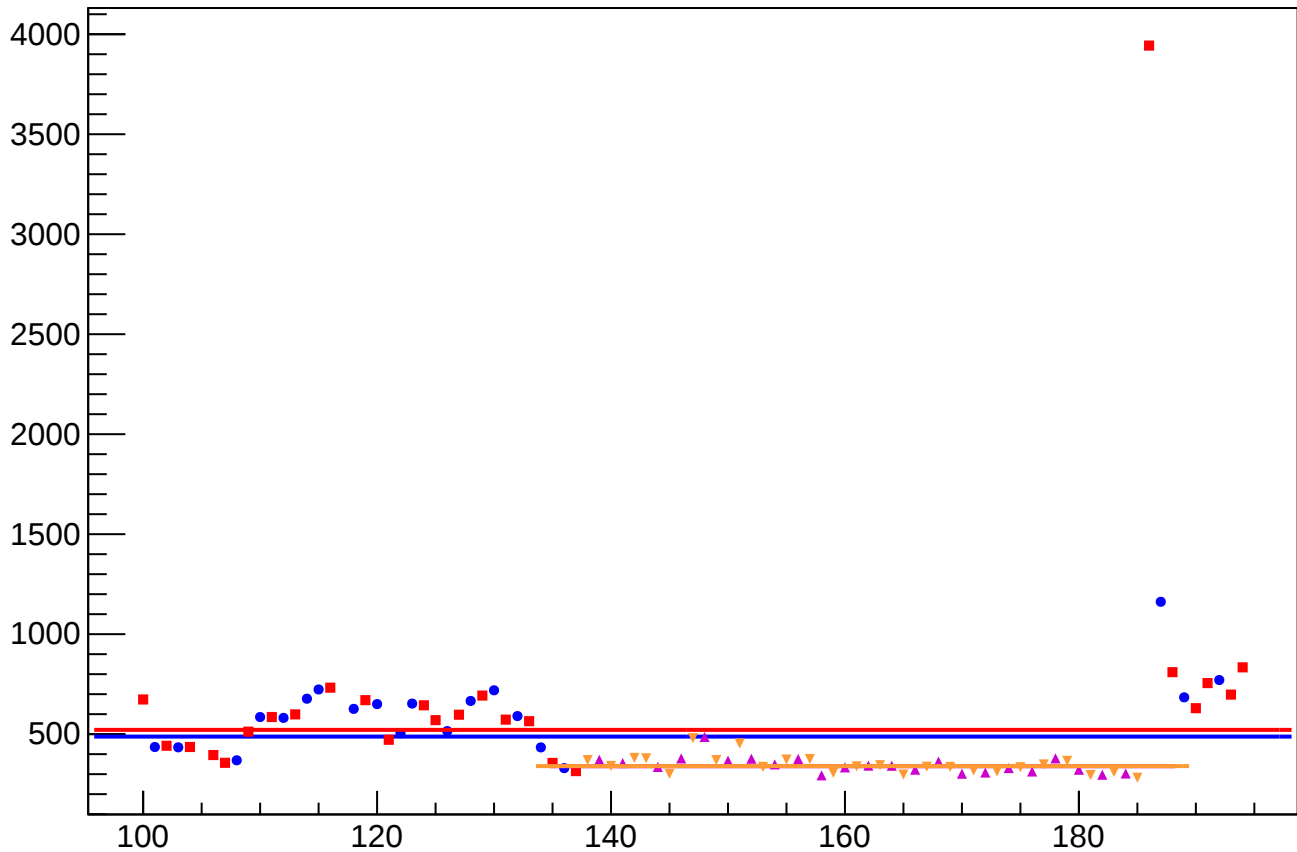
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF: 34.0/22

+ sign 31.746 $\pm$ 72.891 χ^2 /NDF: 45.6/44

All: 33.010 $\pm$ 51.827 χ^2 /NDF: 108.3/92

- sign 34.303 $\pm$ 73.705 χ^2 /NDF: 62.7/47

asym_sam_13_57_dd_rms vs Slug



Right In: 487.790 $\pm$ 0.127 χ^2 /NDF: 1291136.6/19

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 521.468 $\pm$ 0.120 χ^2 /NDF: 2049742.9/24

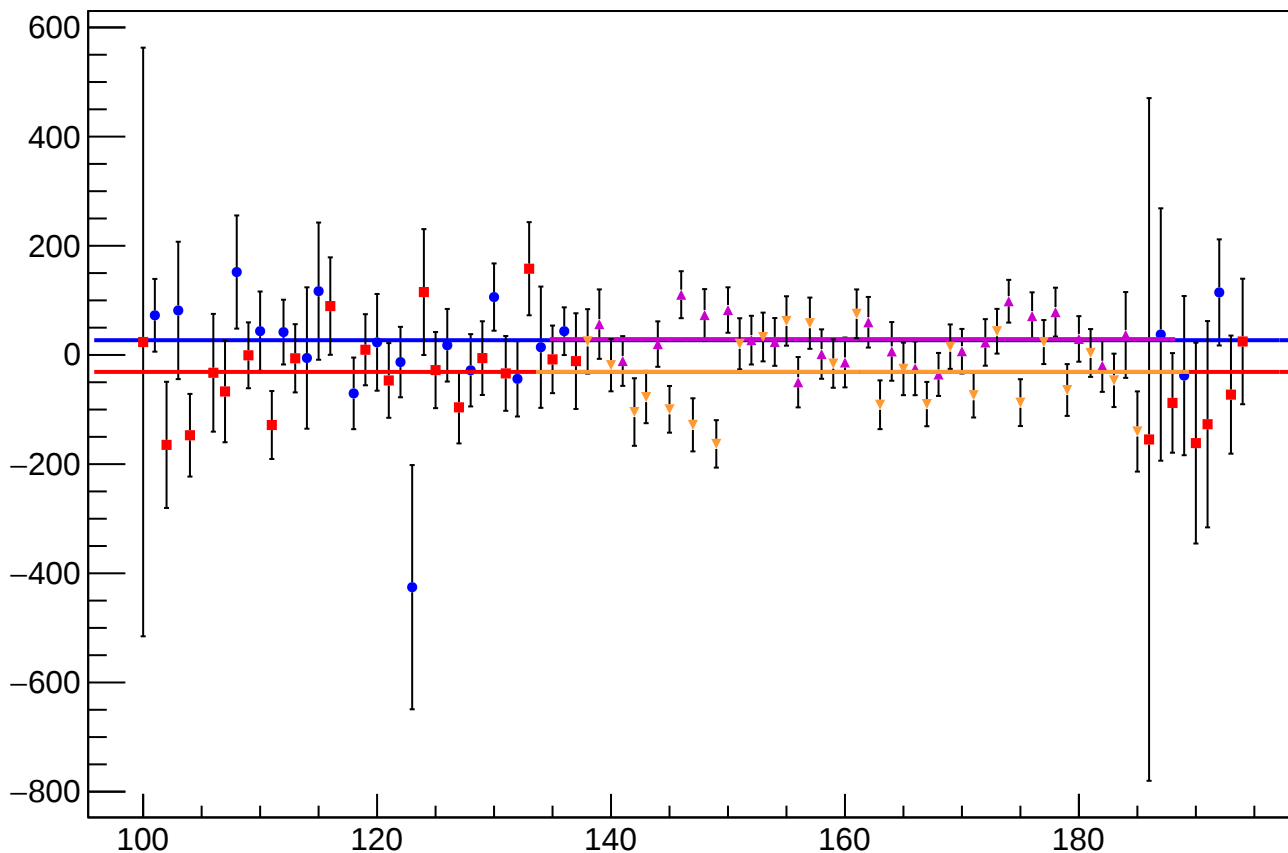
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 364.718 $\pm$ 0.052 χ^2 /NDF: 2894130.4/44

All: 369.294 $\pm$ 0.037 χ^2 /NDF: 7204926.1/92

- sign 373.972 $\pm$ 0.052 χ^2 /NDF: 4294857.0/47

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 27.023 ± 17.401 χ^2/NDF : 14.1/19

Left Out: -31.063 ± 9.170 χ^2/NDF : 52.6/24

Right Out: -31.051 ± 16.596 χ^2/NDF : 18.4/24

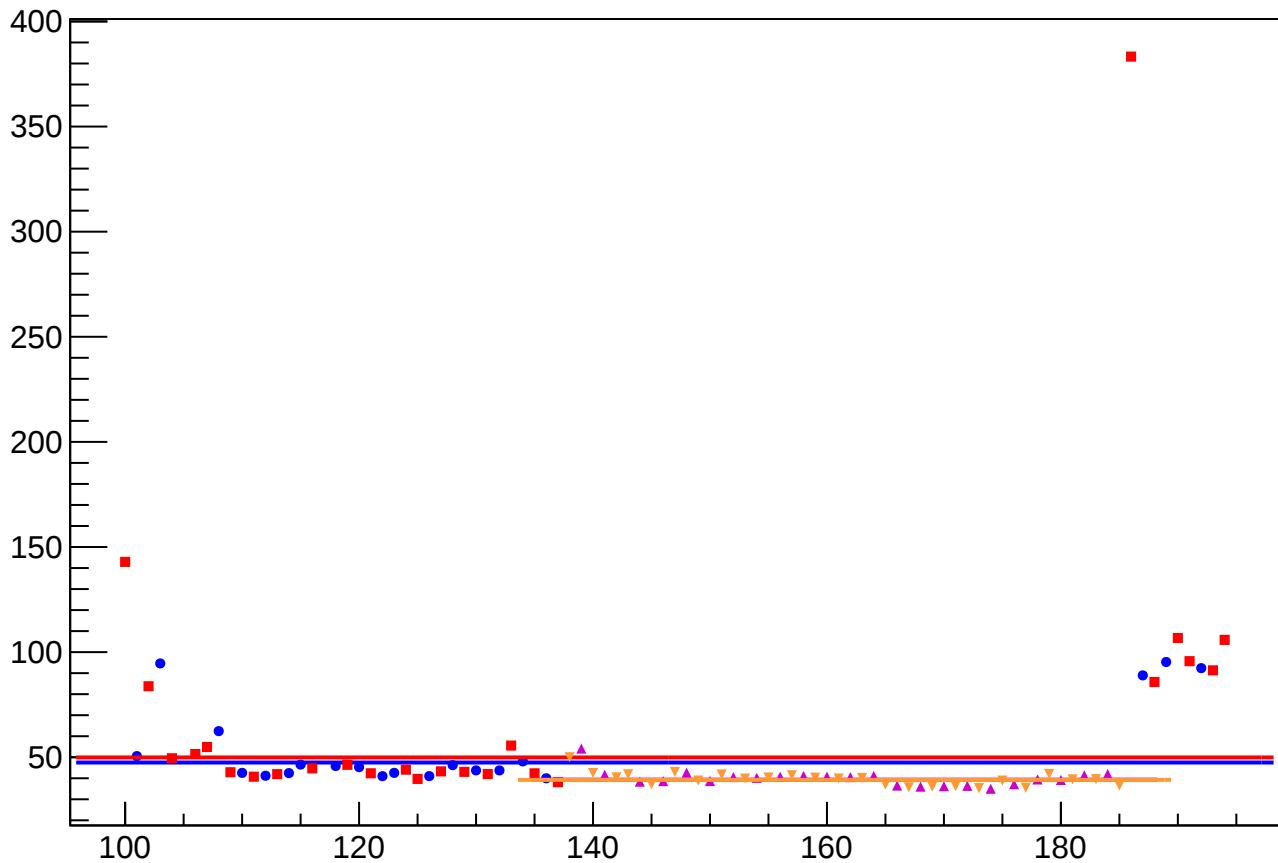
Left In: 29.055 ± 9.449 χ^2/NDF : 22.4/22

+ sign -18.439 ± 8.112 χ^2/NDF : 75.4/44

All: -2.249 ± 5.771 χ^2/NDF : 134.1/92

- sign 14.340 ± 8.212 χ^2/NDF : 50.7/47

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 47.493+/-0.012 χ^2/NDF : 1182655.6/19

Left Out: 39.235+/-0.006 χ^2/NDF : 201960.7/24

Right Out: 49.902+/-0.012 χ^2/NDF : 2519369.1/24

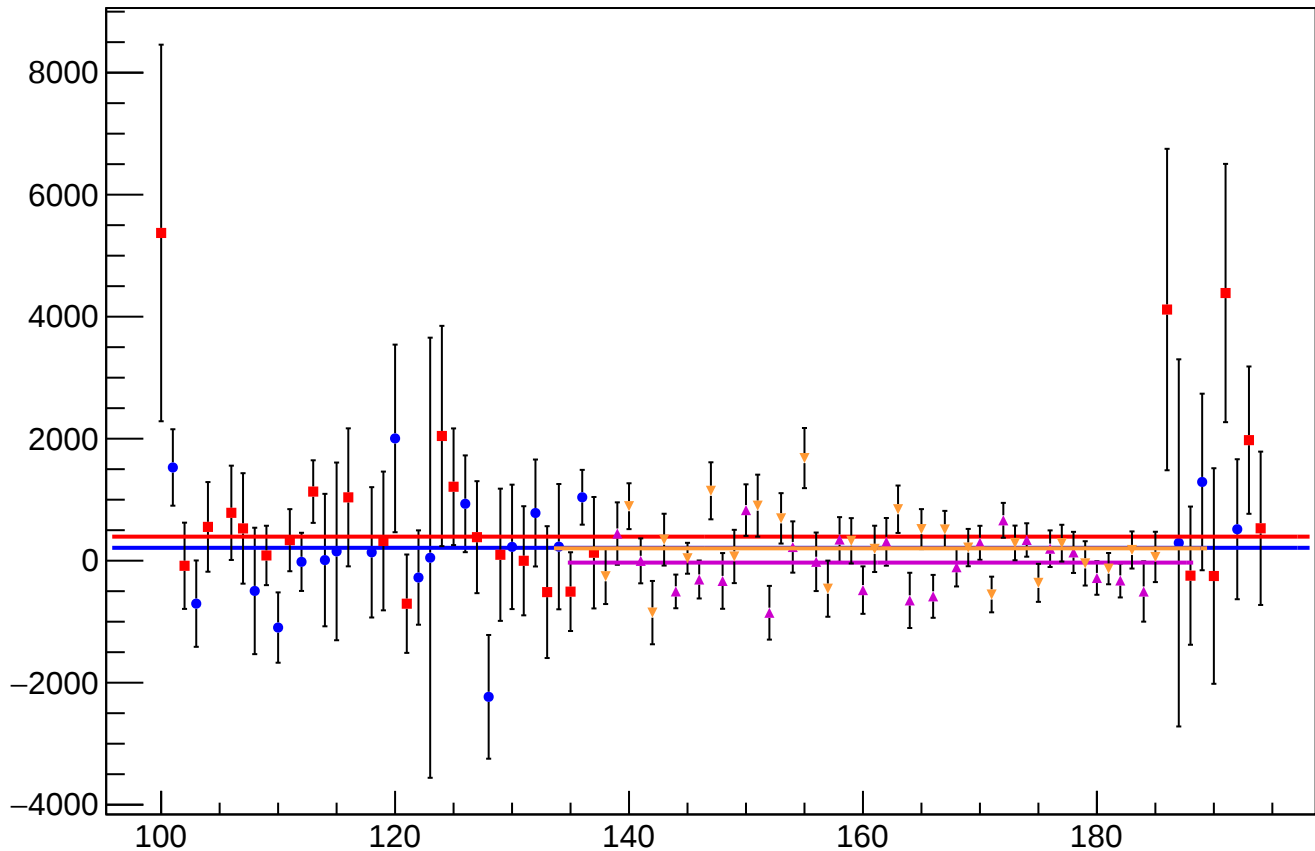
Left In: 39.338+/-0.007 χ^2/NDF : 215671.3/22

+ sign 41.030+/-0.006 χ^2/NDF : 1737141.0/44

All: 41.472+/-0.004 χ^2/NDF : 5096049.3/92

- sign 41.924+/-0.006 χ^2/NDF : 3346895.9/47

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 211.091 ± 184.650 χ^2/NDF : 24.8/19

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 394.191 ± 172.117 χ^2/NDF : 20.4/24

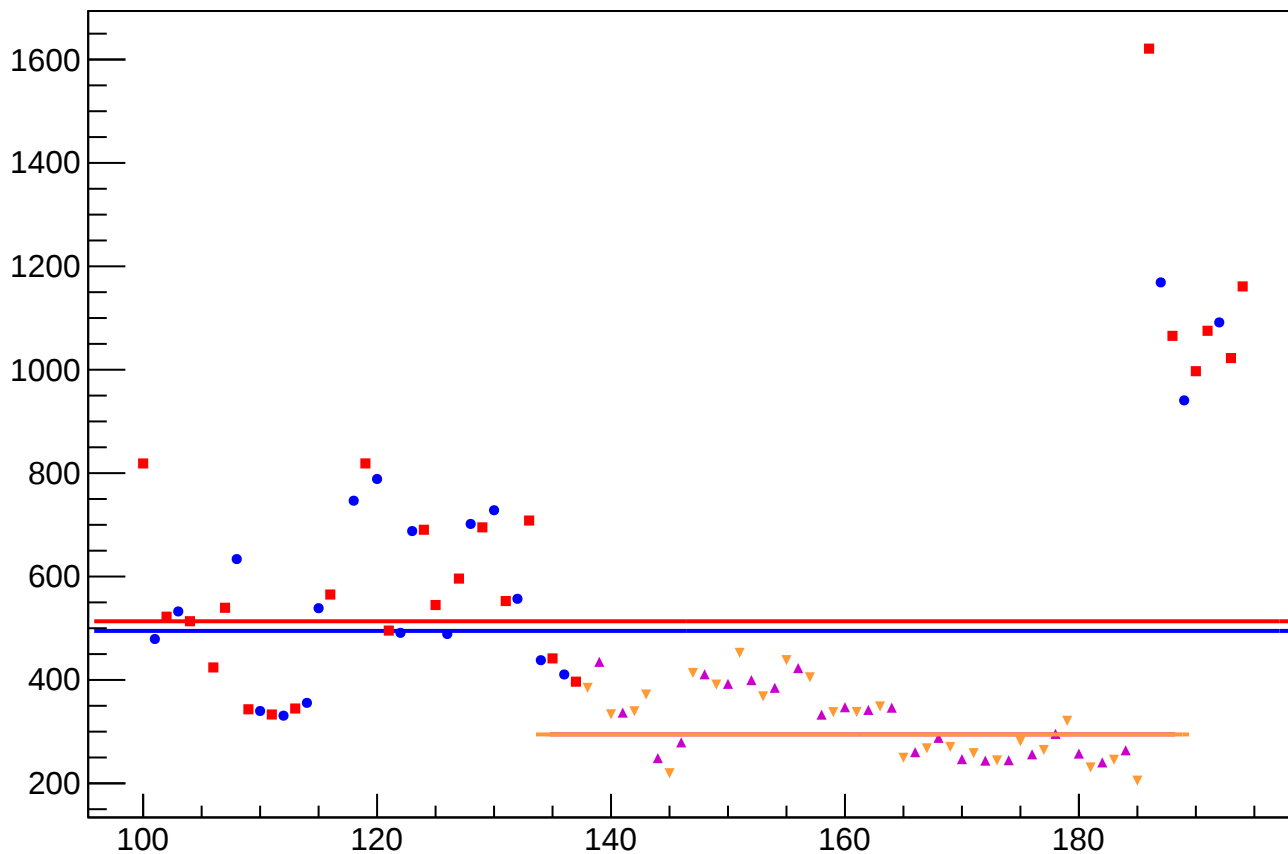
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 203.477 ± 65.802 χ^2/NDF : 69.6/44

All: 118.647 ± 46.774 χ^2/NDF : 131.9/92

- sign 32.007 ± 66.501 χ^2/NDF : 58.9/47

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 494.835 $\pm$ 0.131 χ^2/NDF : 1753943.6/19

Left Out: 294.591 $\pm$ 0.050 χ^2/NDF : 1680474.5/24

Right Out: 513.459 $\pm$ 0.122 χ^2/NDF : 3135531.7/24

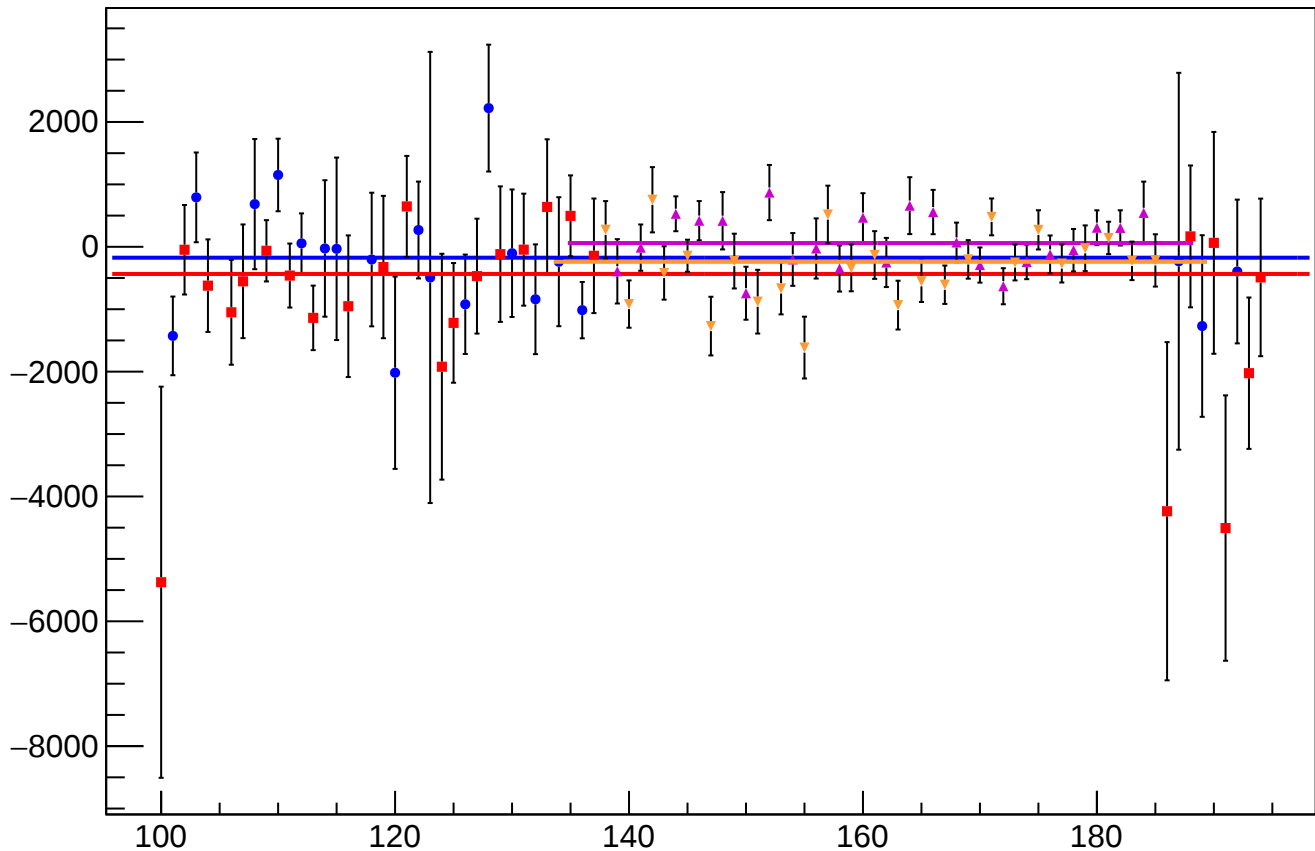
Left In: 294.722 $\pm$ 0.051 χ^2/NDF : 1297310.3/22

+ sign 320.021 $\pm$ 0.047 χ^2/NDF : 5487797.6/44

All: 323.660 $\pm$ 0.033 χ^2/NDF : 12680967.4/92

- sign 327.375 $\pm$ 0.047 χ^2/NDF : 7180811.4/47

asym_sam_15_37_dd_mean vs Slug



Right In: -174.474 ± 185.778 χ^2/NDF : 24.7/19

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -434.769 ± 173.850 χ^2/NDF : 20.3/24

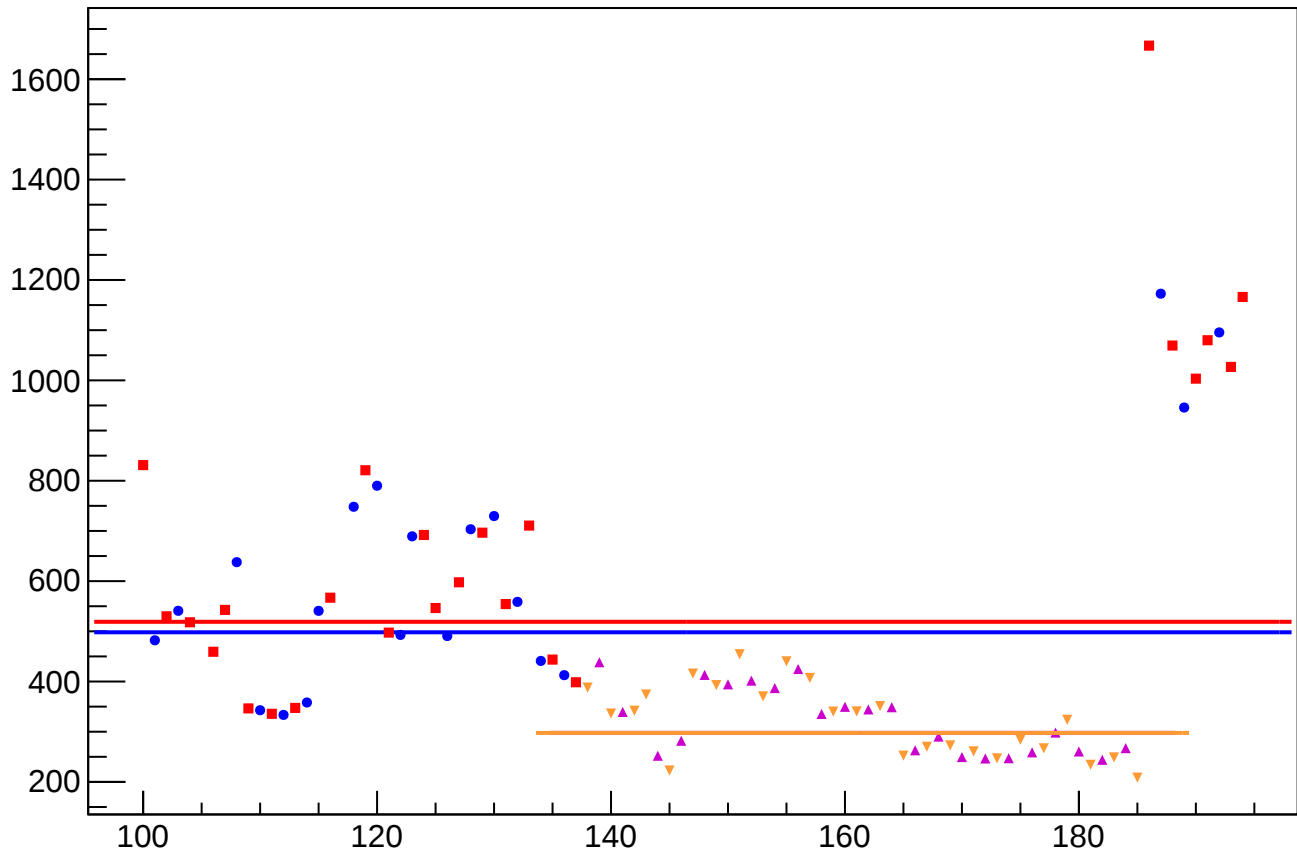
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -231.940 ± 66.403 χ^2/NDF : 67.8/44

All: -123.933 ± 47.213 χ^2/NDF : 131.2/92

- sign -13.515 ± 67.141 χ^2/NDF : 58.1/47

asym_sam_15_37_dd_rms vs Slug



Right In: 498.084+/-0.131 χ^2/NDF : 1741902.9/19

Left Out: 297.613+/-0.050 χ^2/NDF :1637757.8/24

Right Out: 518.985+/-0.123 χ^2/NDF : 3107211.0/24

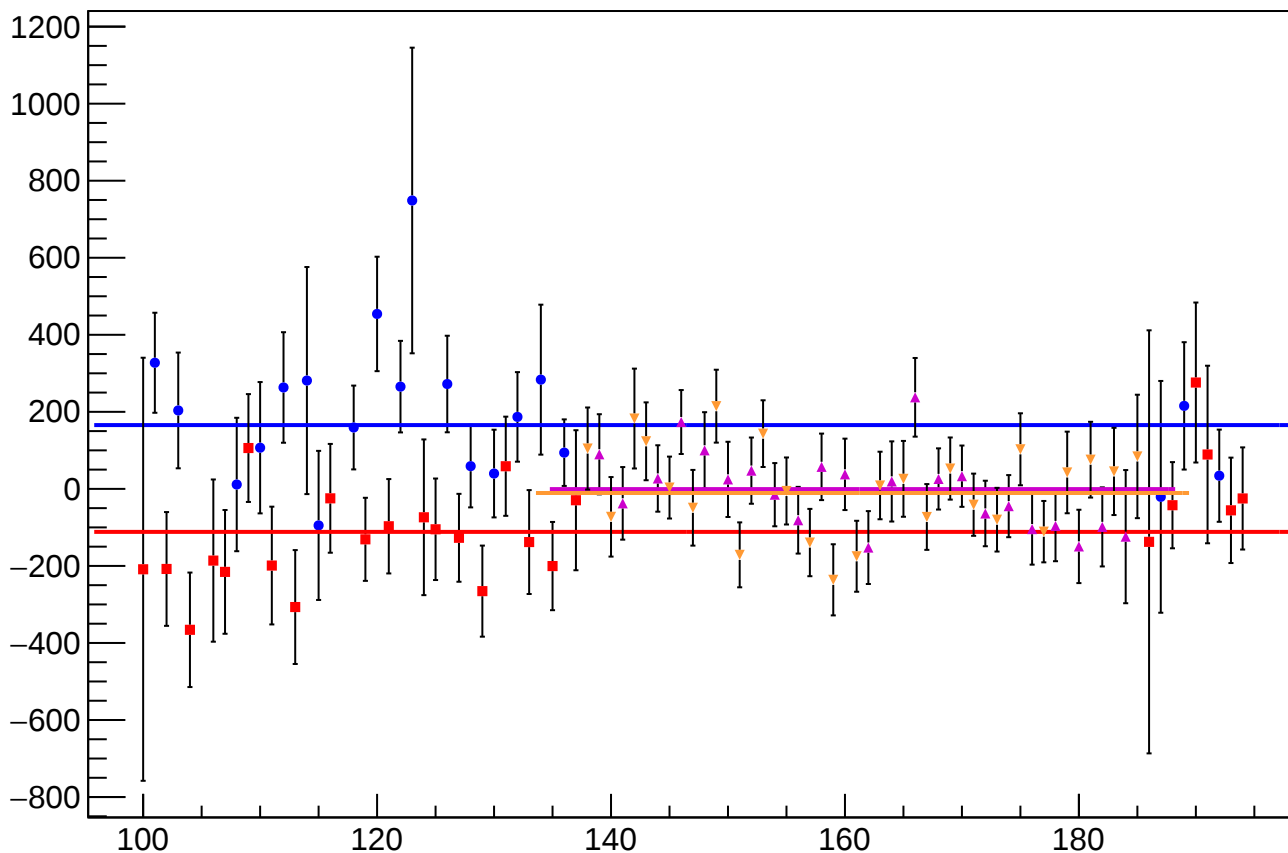
Left In: 297.699+/-0.051 χ^2/NDF :1266306.2/22

+ sign 323.225+/-0.047 χ^2/NDF : 5411004.9/44

All: 326.923+/-0.033 χ^2/NDF : 12554096.4/92

- sign 330.704+/-0.047 χ^2/NDF : 7130545.6/47

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 165.622 ± 30.933 $\chi^2/\text{NDF}: 17.3/19$

Left Out: -10.667 ± 18.610 $\chi^2/\text{NDF}: 36.3/24$

Right Out: -111.635 ± 29.038 $\chi^2/\text{NDF}: 18.4/24$

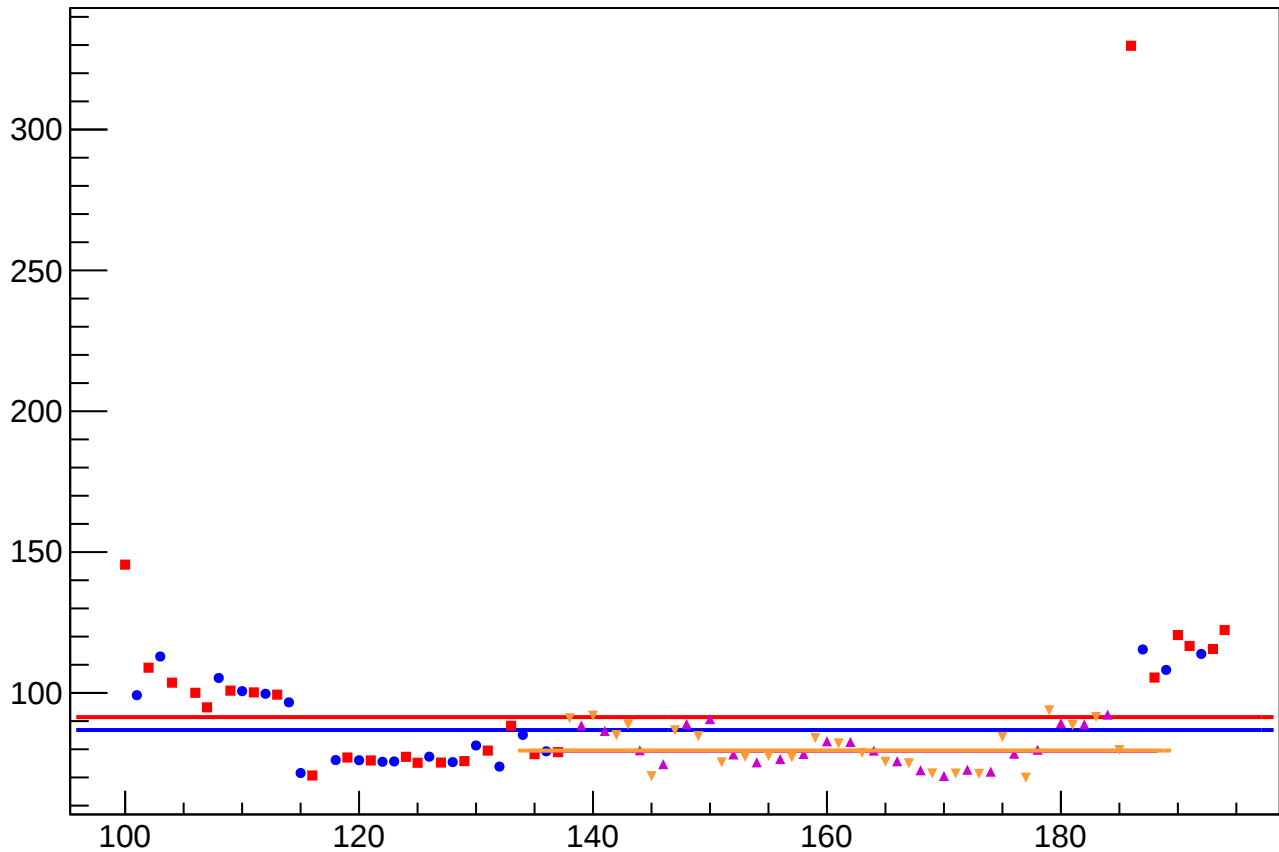
Left In: -0.575 ± 19.091 $\chi^2/\text{NDF}: 23.8/22$

+ sign 36.183 ± 15.946 $\chi^2/\text{NDF}: 77.5/44$

All: 1.059 ± 11.278 $\chi^2/\text{NDF}: 139.6/92$

- sign -34.092 ± 15.953 $\chi^2/\text{NDF}: 52.4/47$

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 86.837+/-0.022 χ^2/NDF : 426728.7/19

Left Out: 79.551+/-0.013 χ^2/NDF : 309075.2/24

Right Out: 91.422+/-0.021 χ^2/NDF : 1008443.6/24

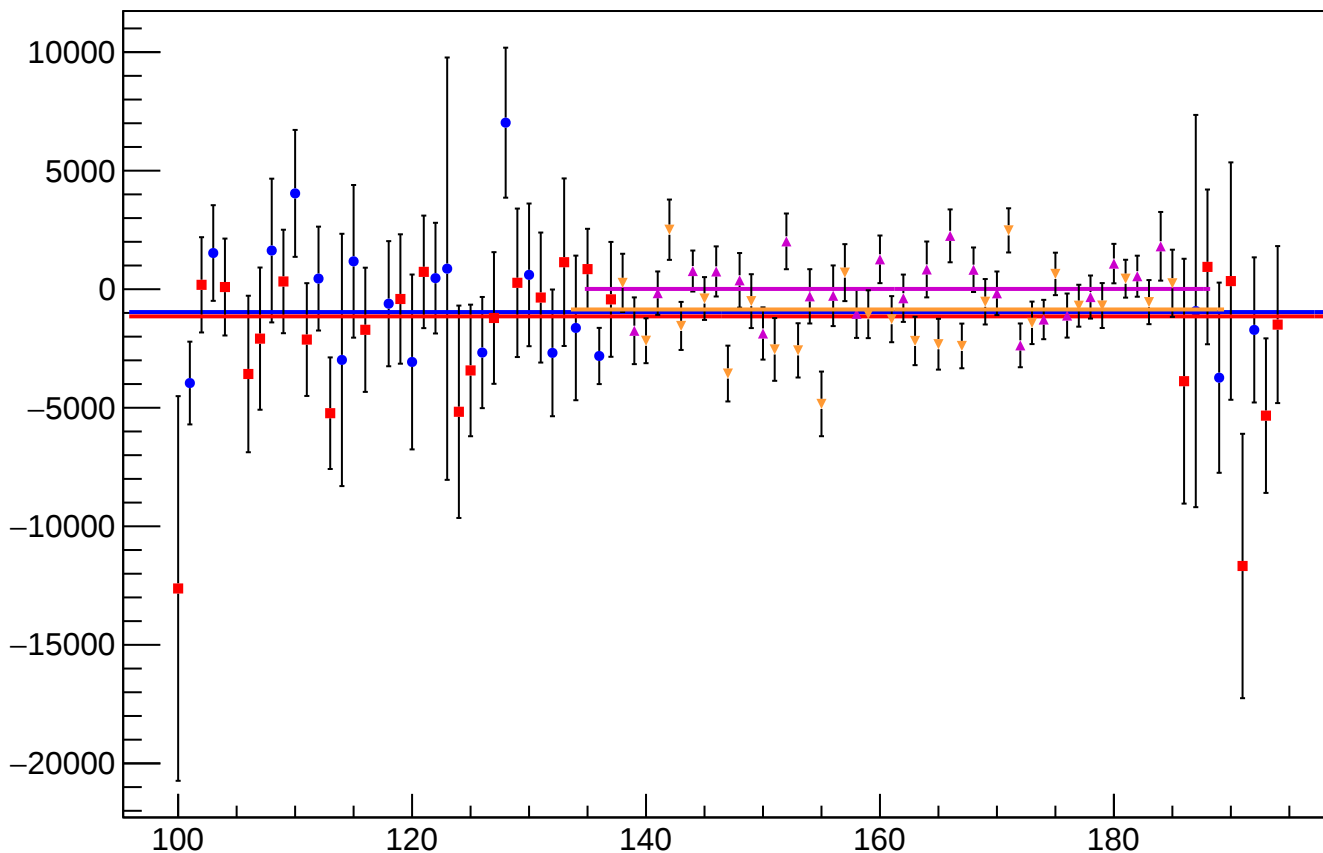
Left In: 79.436+/-0.013 χ^2/NDF : 212440.1/22

+ sign 81.487+/-0.011 χ^2/NDF : 817287.1/44

All: 82.270+/-0.008 χ^2/NDF : 2285700.2/92

- sign 83.054+/-0.011 χ^2/NDF : 1458771.0/47

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -963.760 ± 567.001 χ^2/NDF : 21.1/19

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1145.256 ± 553.868 χ^2/NDF : 17.5/24

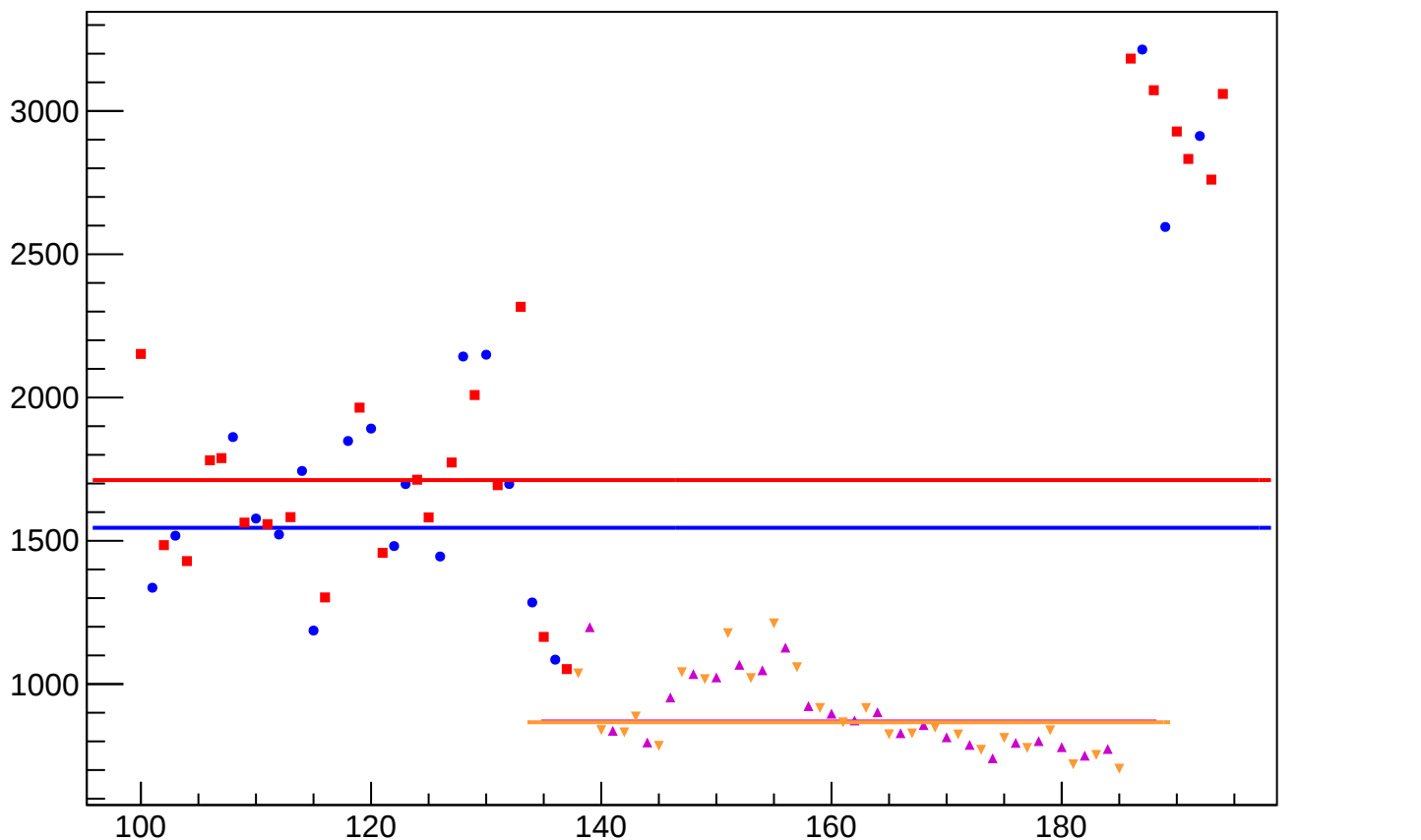
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -866.704 ± 192.029 χ^2/NDF : 77.1/44

All: -508.542 ± 137.311 χ^2/NDF : 136.7/92

- sign -133.815 ± 196.419 χ^2/NDF : 52.5/47

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1545.406 $\pm$ 0.401 χ^2 /NDF: 1220770.5/19

Left Out: 866.893 $\pm$ 0.144 χ^2 /NDF: 661712.5/24

Right Out: 1711.901 $\pm$ 0.392 χ^2 /NDF: 1869159.7/24

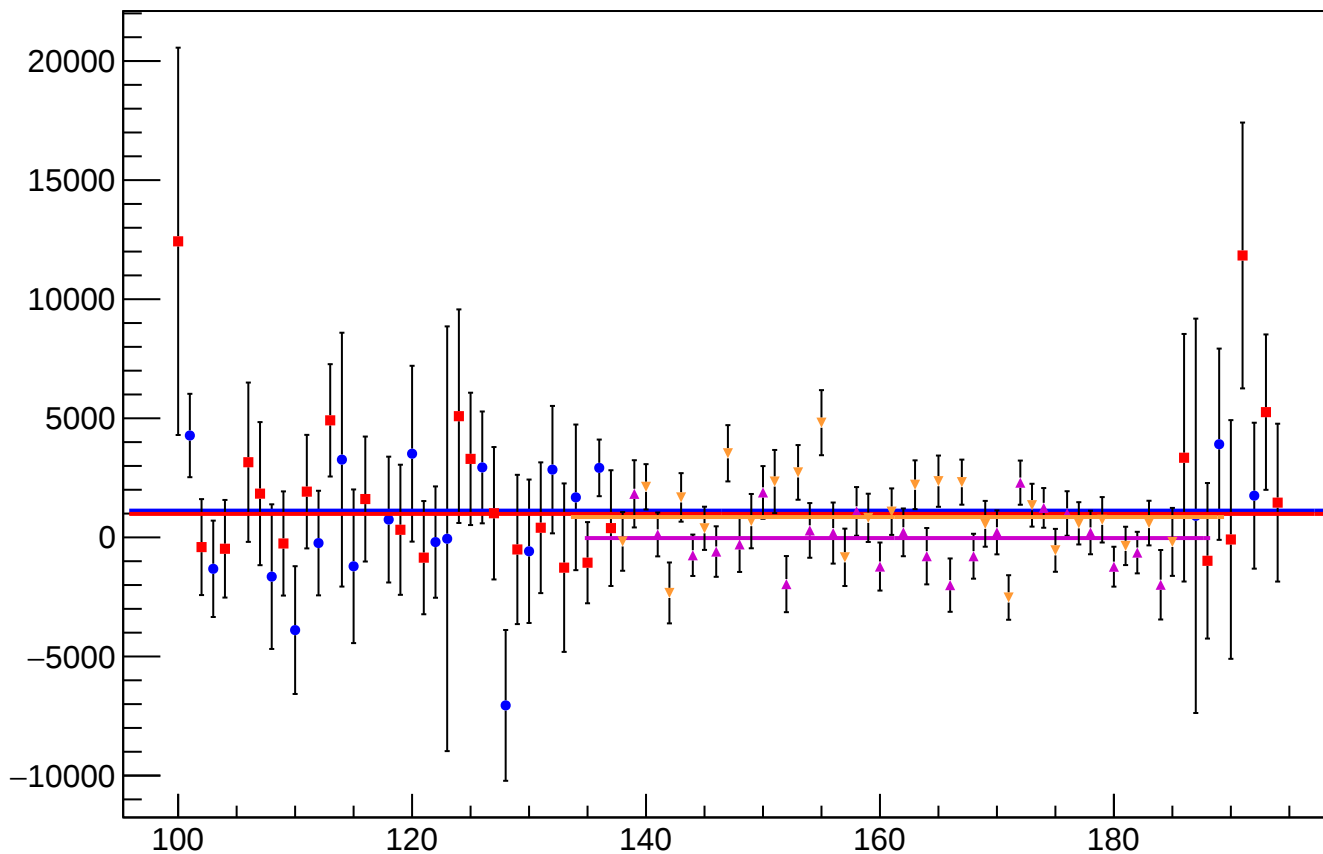
Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

+ sign 944.719 $\pm$ 0.136 χ^2 /NDF: 4418007.5/44

All: 959.764 $\pm$ 0.097 χ^2 /NDF: 10938605.0/92

- sign 975.504 $\pm$ 0.139 χ^2 /NDF: 6495477.8/47

asym_sam_24_68_dd_mean vs Slug



Right In: 1123.665 $\pm$ 568.135 χ^2 /NDF: 21.7/19

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 986.435 $\pm$ 555.050 χ^2 /NDF: 17.3/24

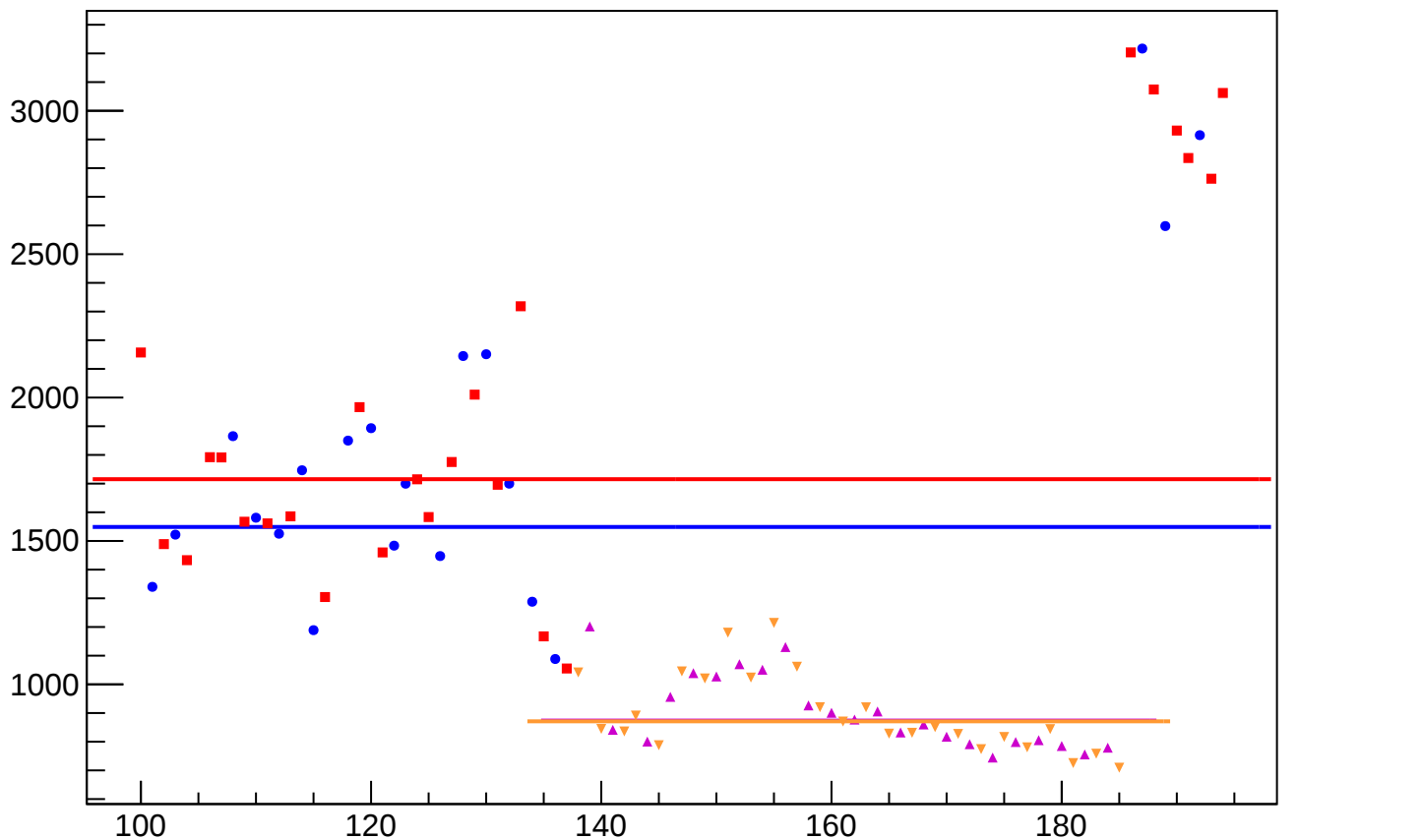
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 886.550 $\pm$ 192.870 χ^2 /NDF: 76.0/44

All: 501.944 $\pm$ 137.905 χ^2 /NDF: 134.1/92

- sign 99.640 $\pm$ 197.257 χ^2 /NDF: 49.9/47

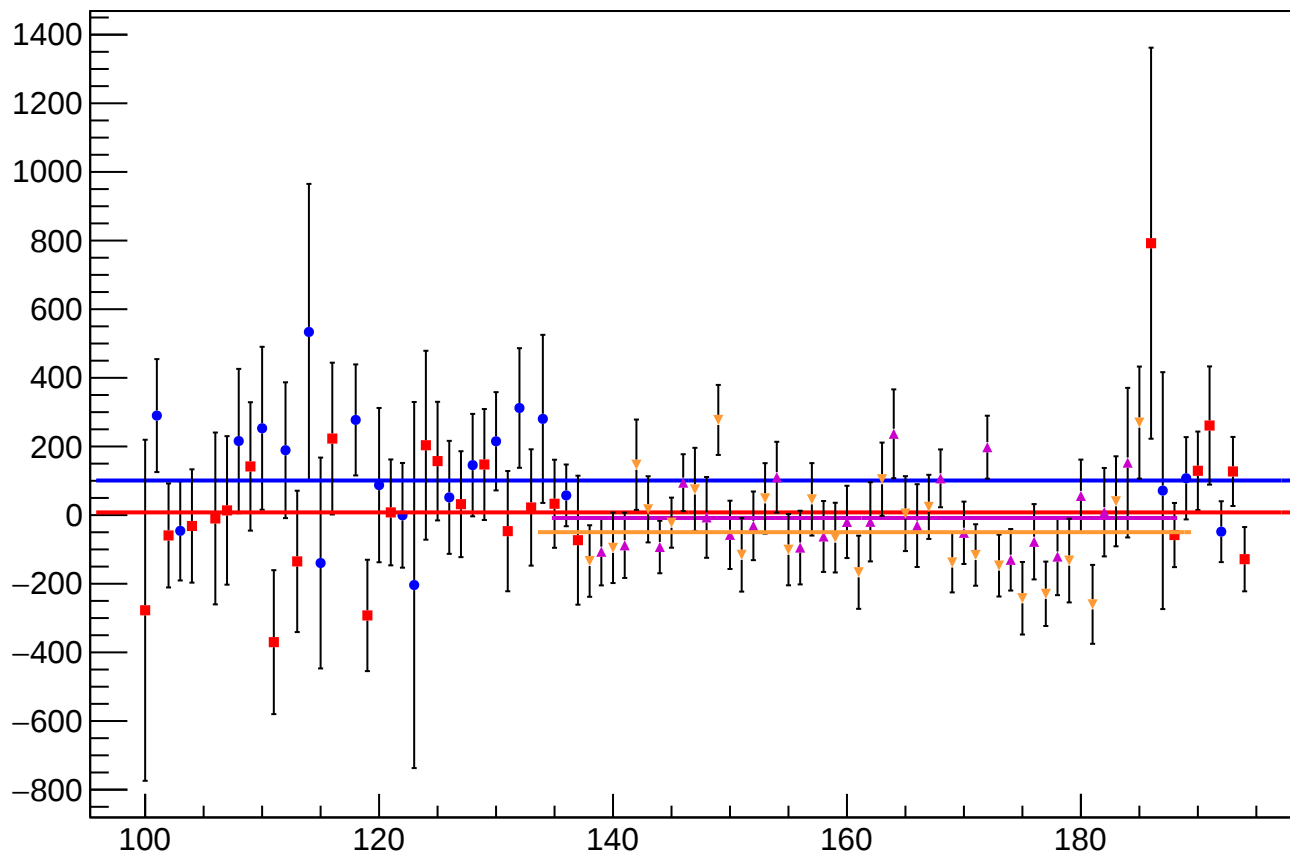
asym_sam_24_68_dd_rms vs Slug



Right In: 1548.815 ± 0.402 $\chi^2/\text{NDF}: 1215311.6/19$
 Left Out: 871.109 ± 0.145 $\chi^2/\text{NDF}: 651751.1/24$
 Right Out: 1715.390 ± 0.392 $\chi^2/\text{NDF}: 1865161.3/24$
 Left In: 873.675 ± 0.149 $\chi^2/\text{NDF}: 573822.5/22$

+ sign 949.212 ± 0.136 $\chi^2/\text{NDF}: 4384925.2/44$
 All: 964.252 ± 0.098 $\chi^2/\text{NDF}: 10867245.2/92$
 - sign 979.984 ± 0.139 $\chi^2/\text{NDF}: 6457437.4/47$

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 100.817 $\pm$ 35.806 χ^2 /NDF: 12.7/19

Left Out: -49.717 $\pm$ 20.580 χ^2 /NDF: 39.4/24

Right Out: 7.882 $\pm$ 31.299 χ^2 /NDF: 20.8/24

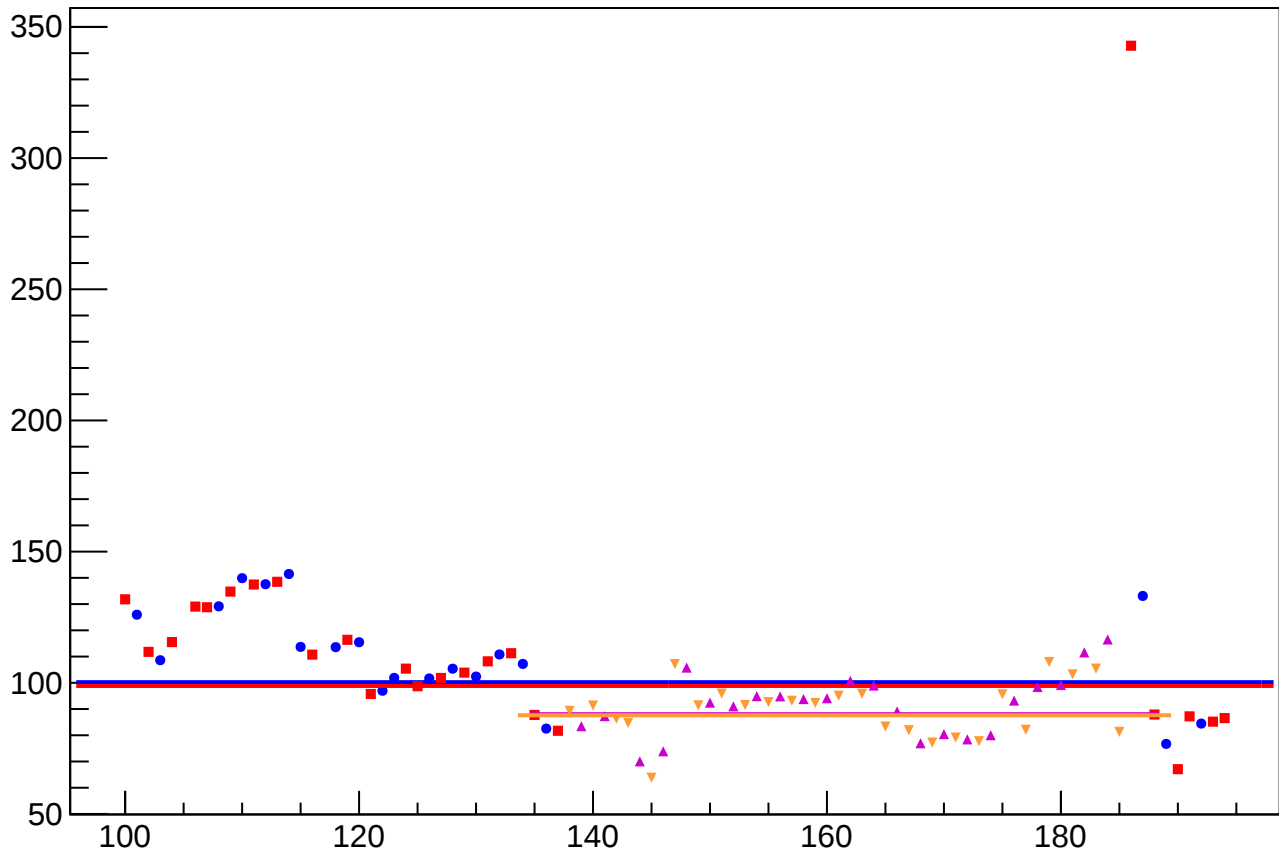
Left In: -8.343 $\pm$ 21.271 χ^2 /NDF: 22.0/22

+ sign -12.337 $\pm$ 17.843 χ^2 /NDF: 65.4/44

All: -7.712 $\pm$ 12.527 χ^2 /NDF: 108.5/92

- sign -3.217 $\pm$ 17.593 χ^2 /NDF: 42.9/47

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 100.240 $\pm$ 0.025 χ^2 /NDF: 513908.0/19

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 98.795 $\pm$ 0.022 χ^2 /NDF: 1037819.3/24

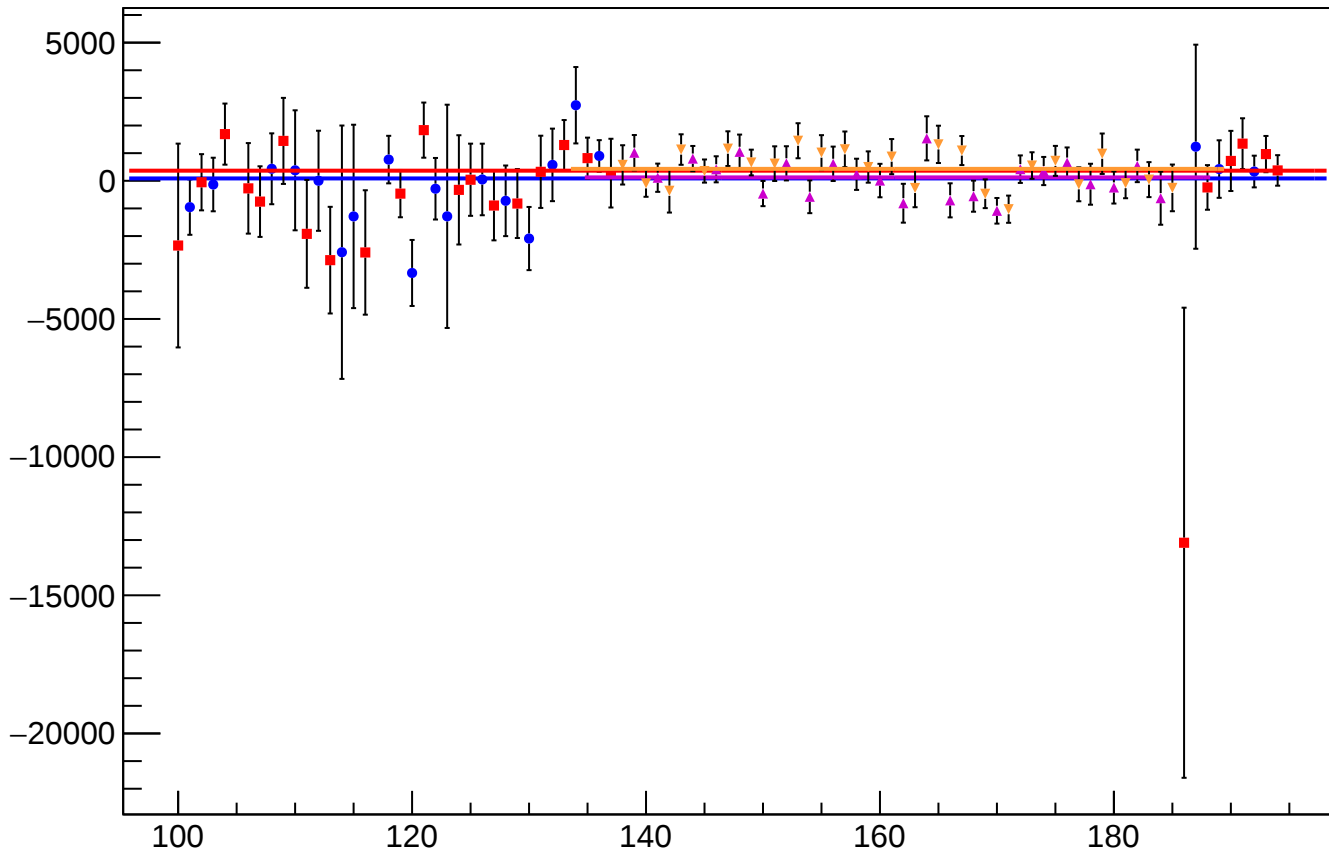
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 90.758 $\pm$ 0.013 χ^2 /NDF: 1255180.9/44

All: 91.100 $\pm$ 0.009 χ^2 /NDF: 2979950.1/92

- sign 91.433 $\pm$ 0.012 χ^2 /NDF: 1723318.0/47

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 85.307 ± 246.854 χ^2/NDF : 21.0/19

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 366.186 ± 213.599 χ^2/NDF : 21.2/24

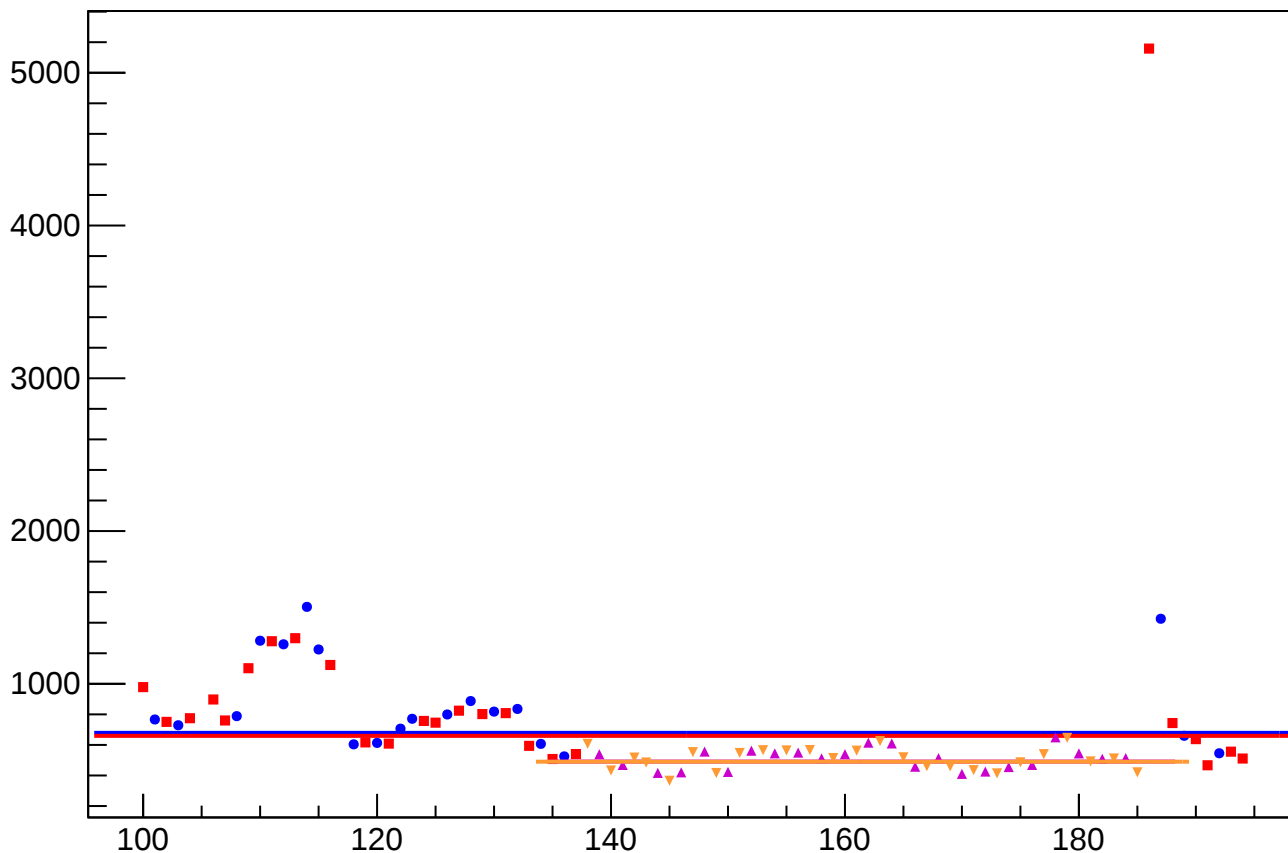
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 369.271 ± 104.768 χ^2/NDF : 53.1/44

All: 274.061 ± 73.757 χ^2/NDF : 106.2/92

- sign 180.503 ± 103.855 χ^2/NDF : 51.5/47

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 679.015 $\pm$ 0.175 χ^2 /NDF: 1006393.9/19

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 659.335 $\pm$ 0.151 χ^2 /NDF: 1861391.6/24

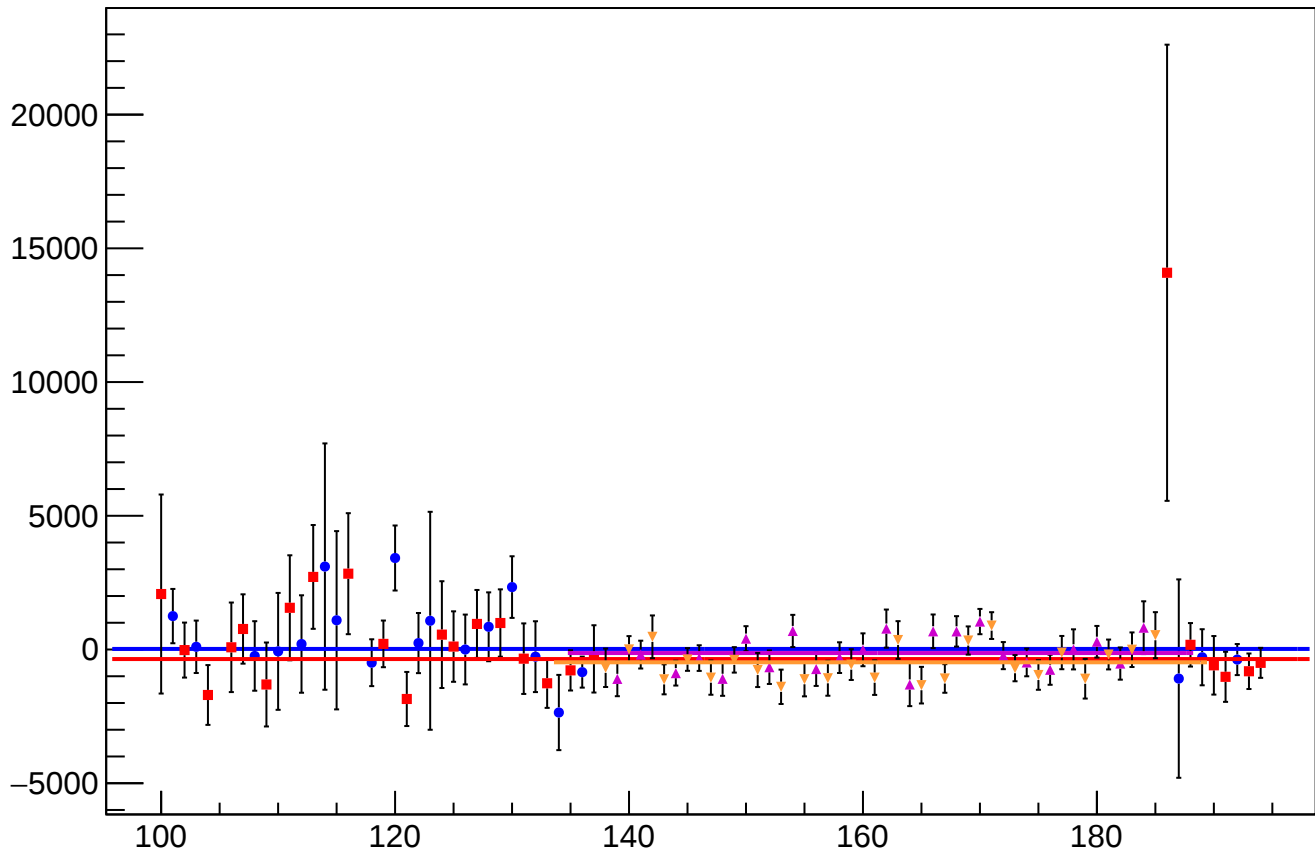
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 524.265 $\pm$ 0.074 χ^2 /NDF: 2715329.1/44

All: 527.524 $\pm$ 0.052 χ^2 /NDF: 6119322.2/92

- sign 530.726 $\pm$ 0.073 χ^2 /NDF: 3400157.0/47

asym_sam_26_48_dd_mean vs Slug



Right In: 21.338 ± 249.792 χ^2/NDF : 20.6/19

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -357.014 ± 216.319 χ^2/NDF : 19.4/24

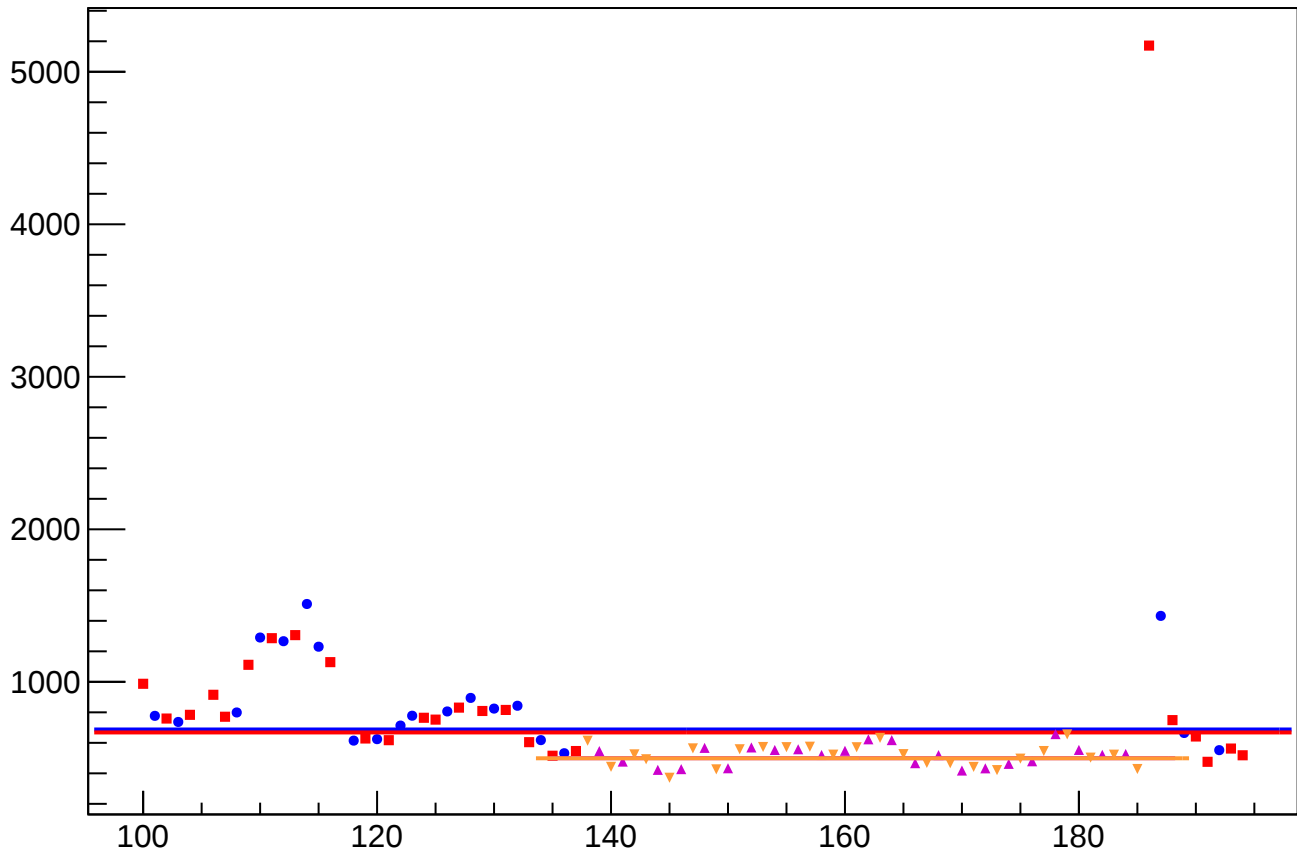
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -387.491 ± 106.442 χ^2/NDF : 51.6/44

All: -285.836 ± 74.935 χ^2/NDF : 103.3/92

- sign -185.948 ± 105.513 χ^2/NDF : 49.8/47

asym_sam_26_48_dd_rms vs Slug



Right In: 687.511 $\pm$ 0.177 χ^2 /NDF: 991331.2/19

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 668.198 $\pm$ 0.153 χ^2 /NDF: 1836882.0/24

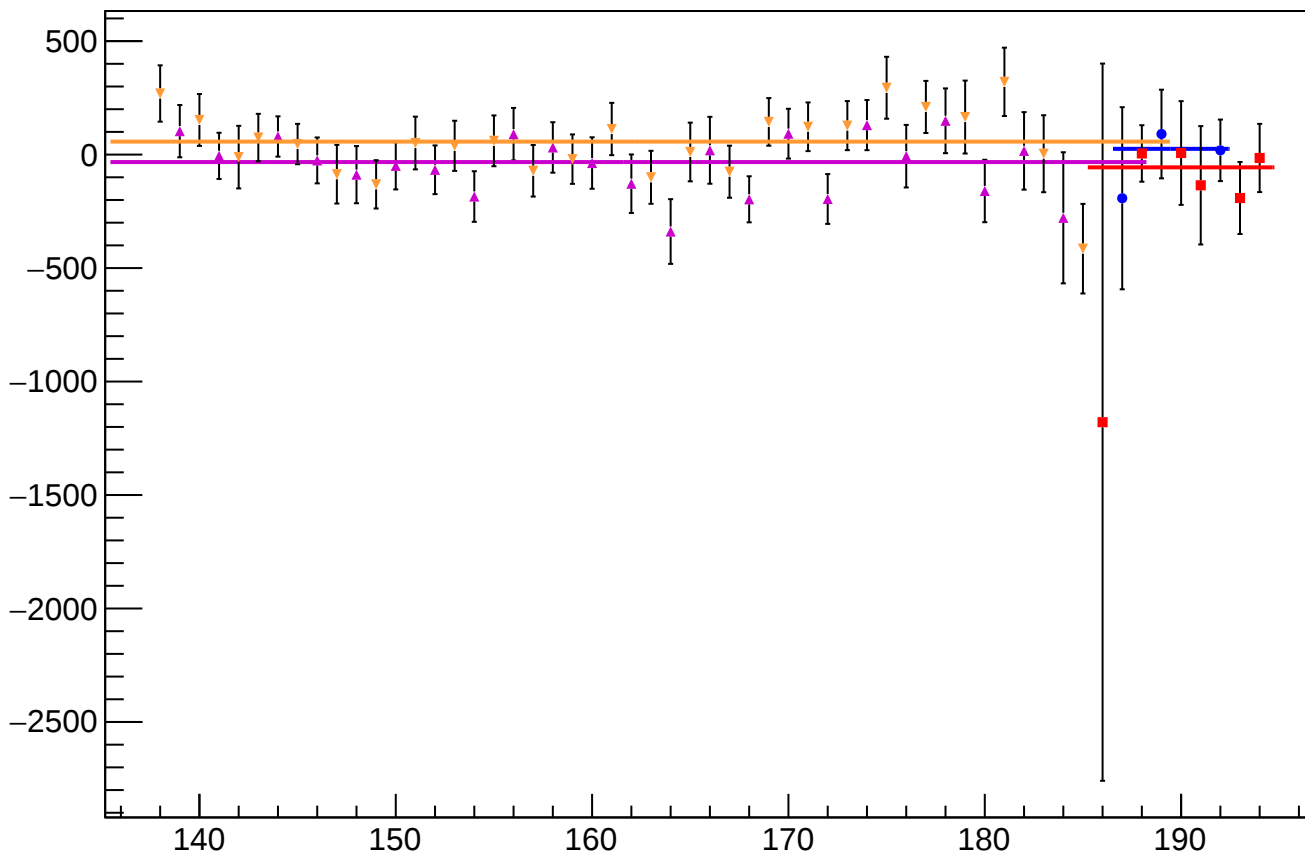
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 533.029 $\pm$ 0.075 χ^2 /NDF: 2660291.1/44

All: 536.320 $\pm$ 0.053 χ^2 /NDF: 6005650.0/92

- sign 539.554 $\pm$ 0.075 χ^2 /NDF: 3341567.4/47

reg_asym_sam_1548_avg_mean vs Slug



Right In: 25.391 ± 107.308 χ^2/NDF : 0.4/2

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: -56.155 ± 73.956 χ^2/NDF : 1.7/5

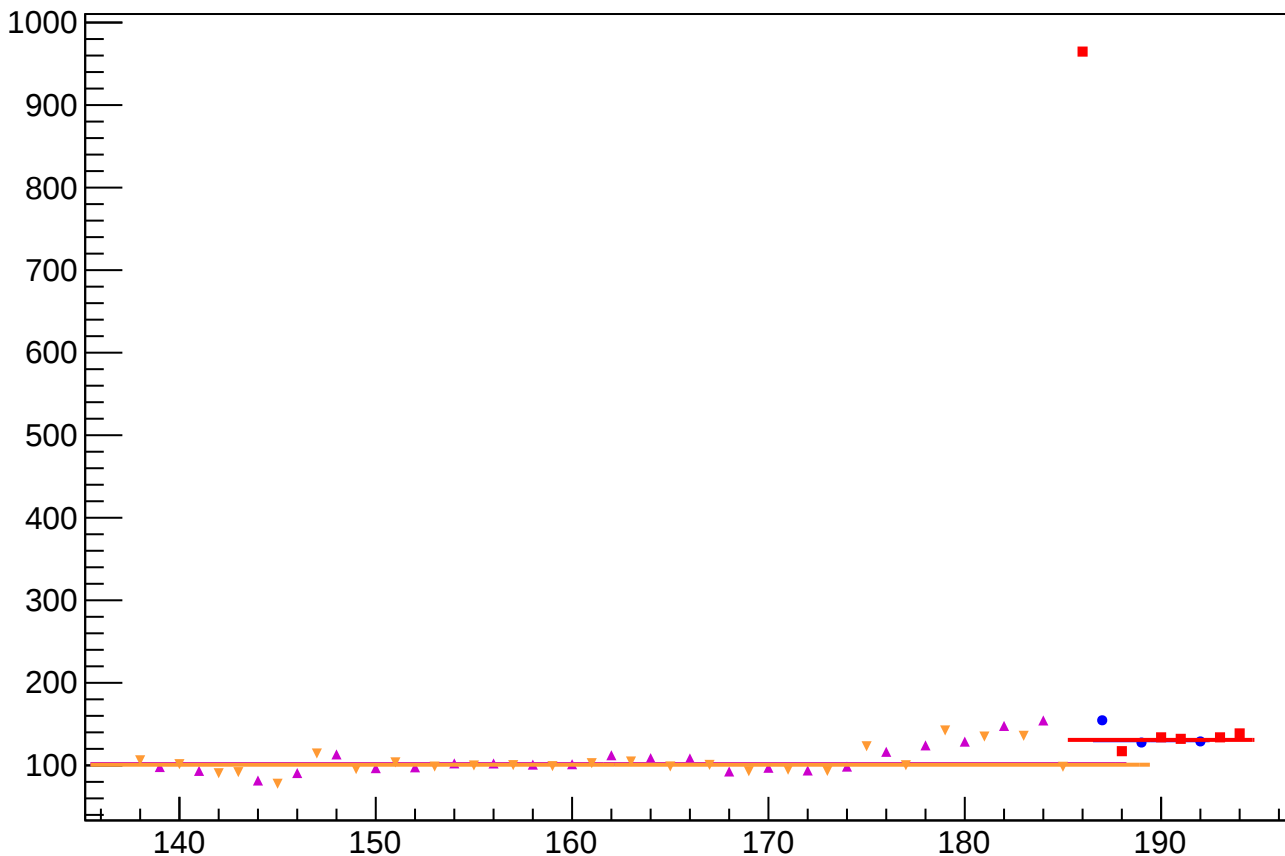
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 55.729 ± 23.155 χ^2/NDF : 29.7/27

All: 10.581 ± 16.435 χ^2/NDF : 62.8/56

- sign -35.258 ± 23.332 χ^2/NDF : 25.4/28

reg_asym_sam_1548_avg_rms vs Slug



Right In: 130.429+/-0.076 χ^2/NDF : 7894.8/2

Left Out: 100.801+/-0.017 χ^2/NDF : 600502.4/24

Right Out: 130.864+/-0.052 χ^2/NDF : 587846.7/5

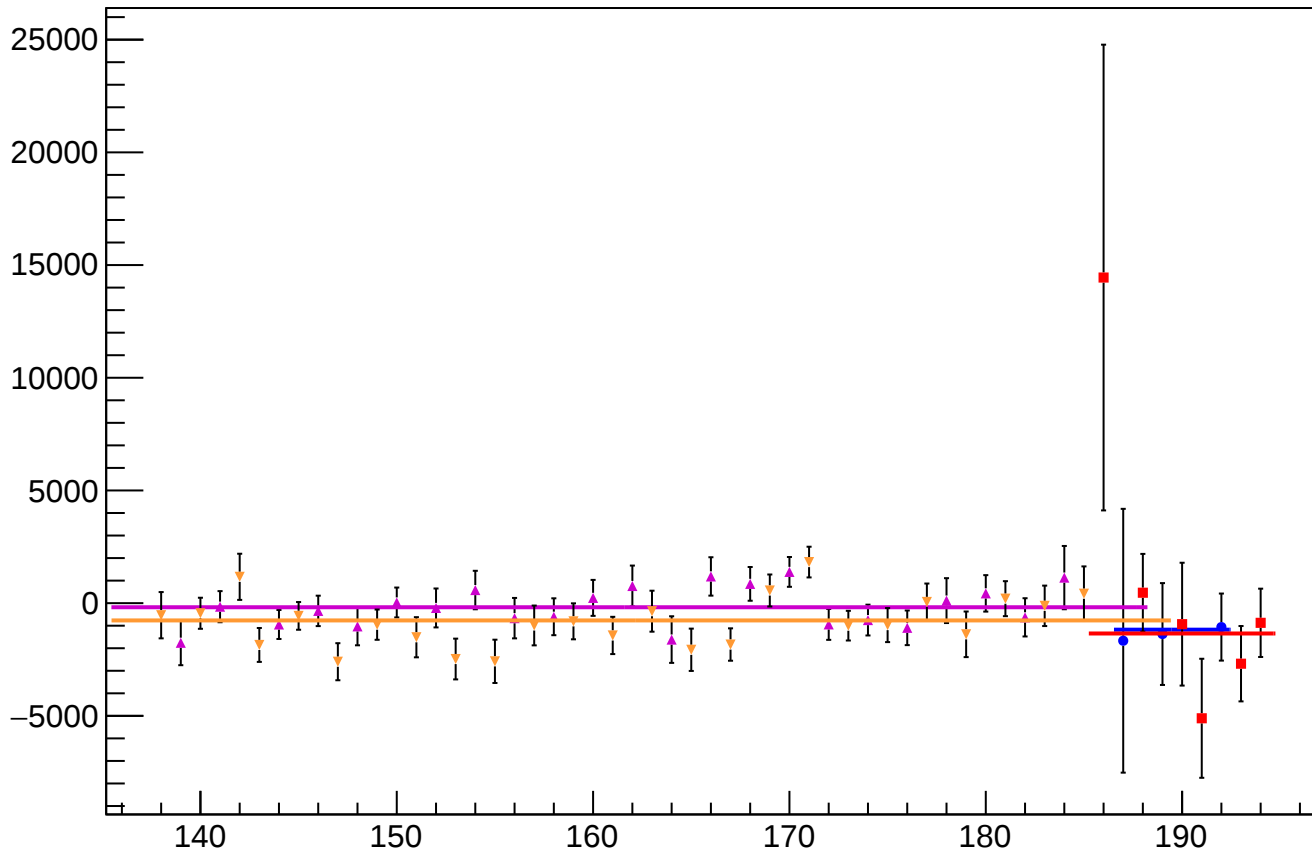
Left In: 101.622+/-0.017 χ^2/NDF : 582329.3/22

+ sign 102.180+/-0.016 χ^2/NDF : 753768.6/27

All: 103.347+/-0.012 χ^2/NDF : 2215743.2/56

- sign 104.532+/-0.016 χ^2/NDF : 1451734.8/28

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1176.581 ± 1215.260 χ^2/NDF : 0.0/2

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1345.723 ± 839.804 χ^2/NDF : 6.2/5

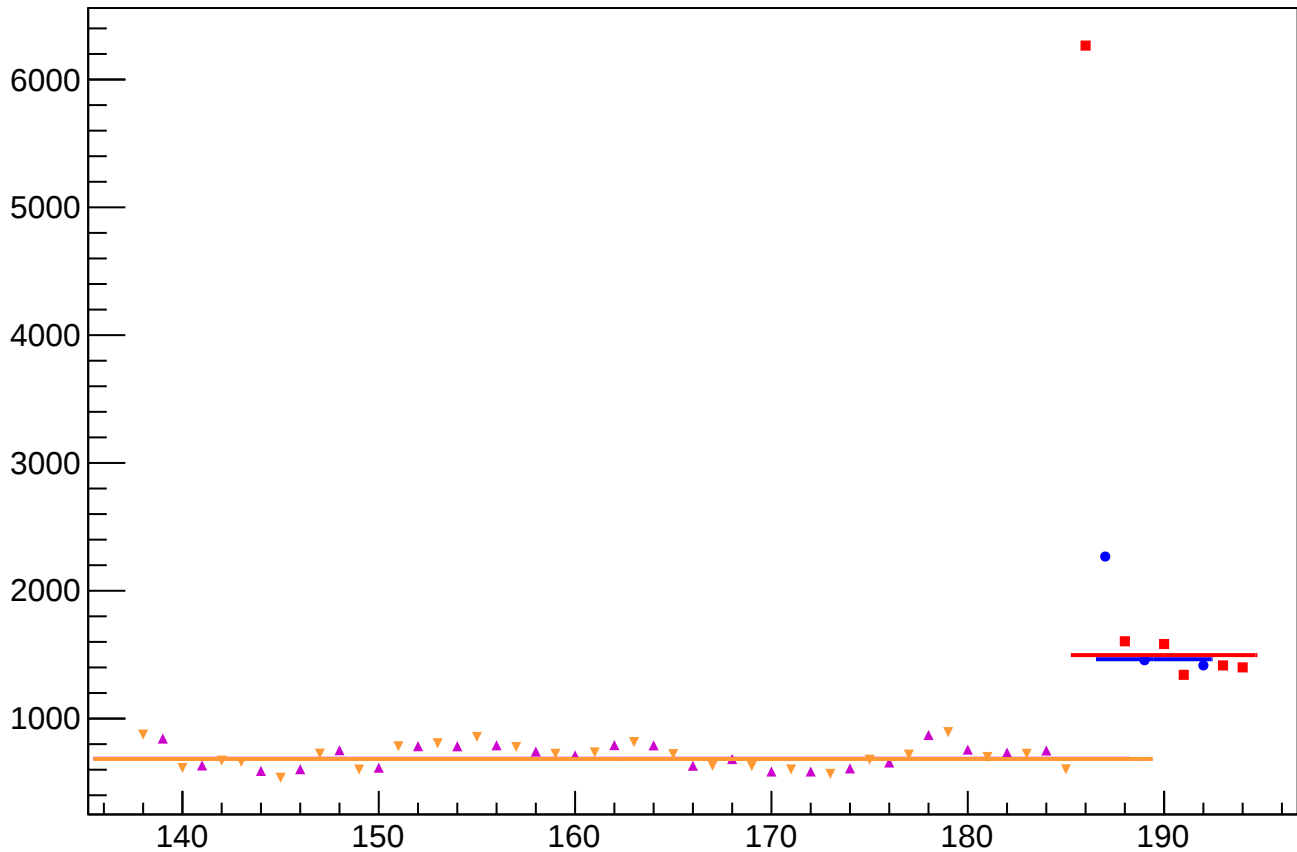
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -773.439 ± 159.670 χ^2/NDF : 46.7/27

All: -504.195 ± 113.904 χ^2/NDF : 85.5/56

- sign -225.191 ± 162.538 χ^2/NDF : 33.1/28

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1464.428+/-0.859 χ^2/NDF : 39849.1/2

Left Out: 683.884+/-0.114 χ^2/NDF : 667158.2/24

Right Out: 1496.574+/-0.594 χ^2/NDF : 455530.4/5

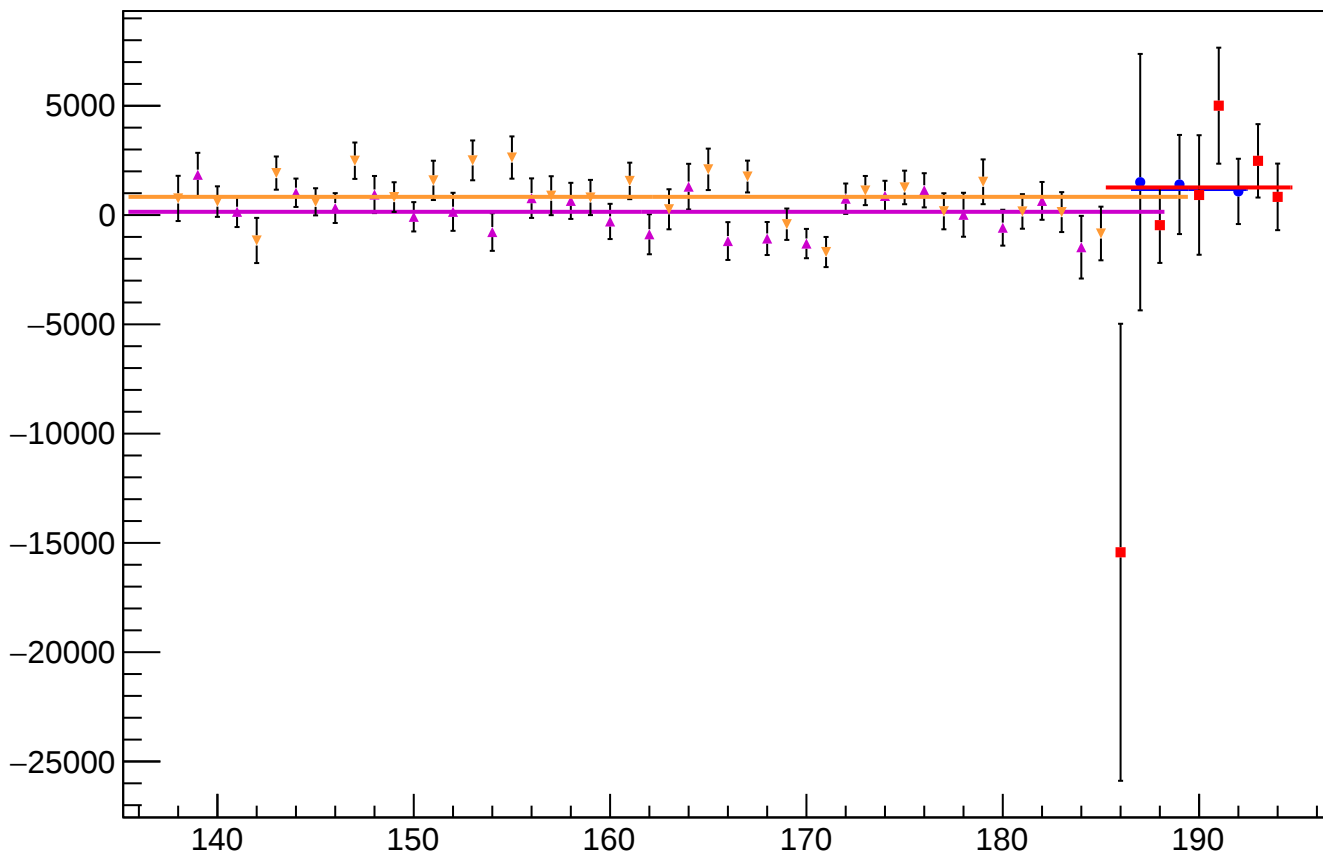
Left In: 685.593+/-0.117 χ^2/NDF : 529353.6/22

+ sign 697.359+/-0.113 χ^2/NDF : 1517825.6/27

All: 706.499+/-0.081 χ^2/NDF : 4311265.3/56

- sign 715.971+/-0.115 χ^2/NDF : 2780093.2/28

asym_sam_1548_avg_mean vs Slug



Right In: 1192.245 $\pm$ 1220.197 χ^2 /NDF: 0.0/2

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF: 43.2/24

Right Out: 1263.509 $\pm$ 843.467 χ^2 /NDF: 6.2/5

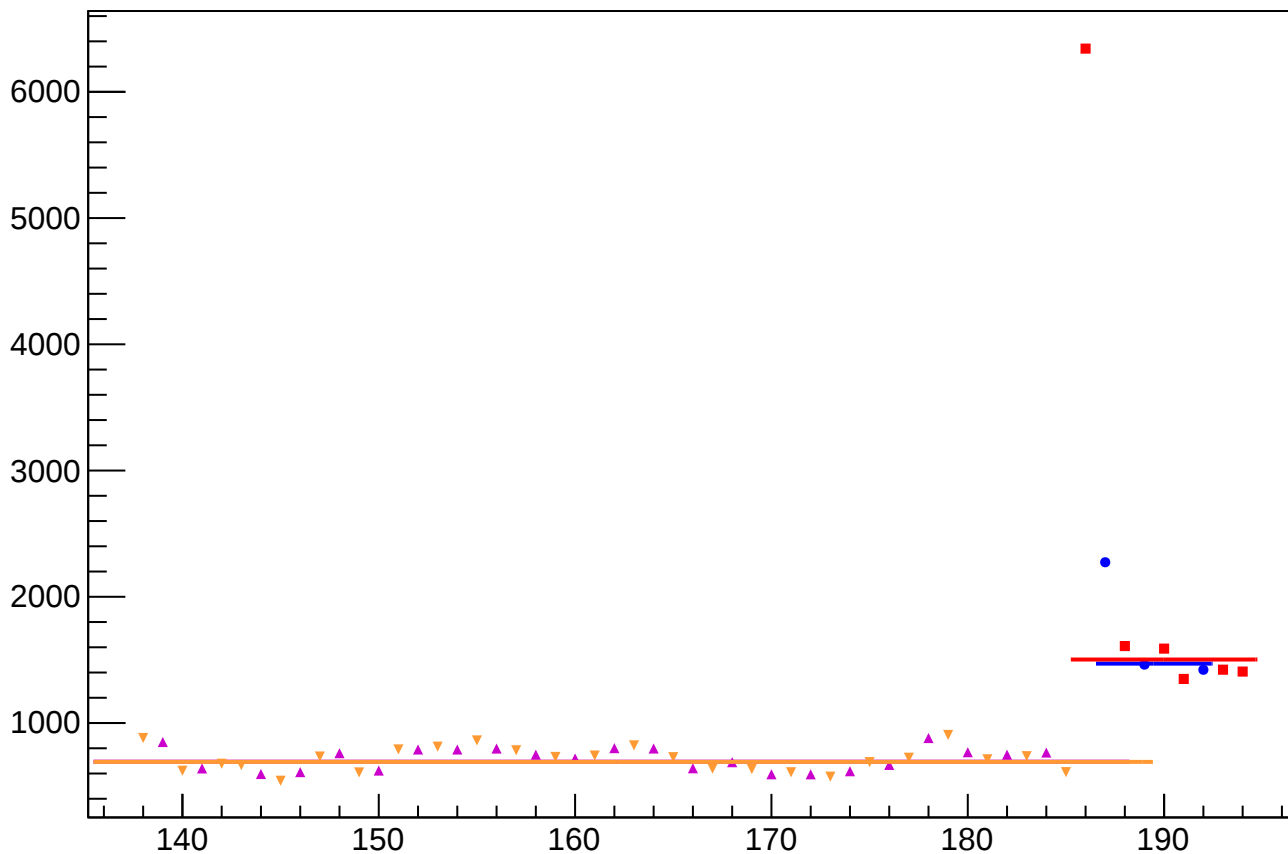
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF: 26.0/22

+ sign 839.683 $\pm$ 161.531 χ^2 /NDF: 43.3/27

All: 521.193 $\pm$ 115.230 χ^2 /NDF: 85.1/56

- sign 191.175 $\pm$ 164.428 χ^2 /NDF: 33.9/28

asym_sam_1548_avg_rms vs Slug



Right In: 1470.499+/-0.863 χ^2/NDF : 39616.9/2

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1503.037+/-0.596 χ^2/NDF : 457255.7/5

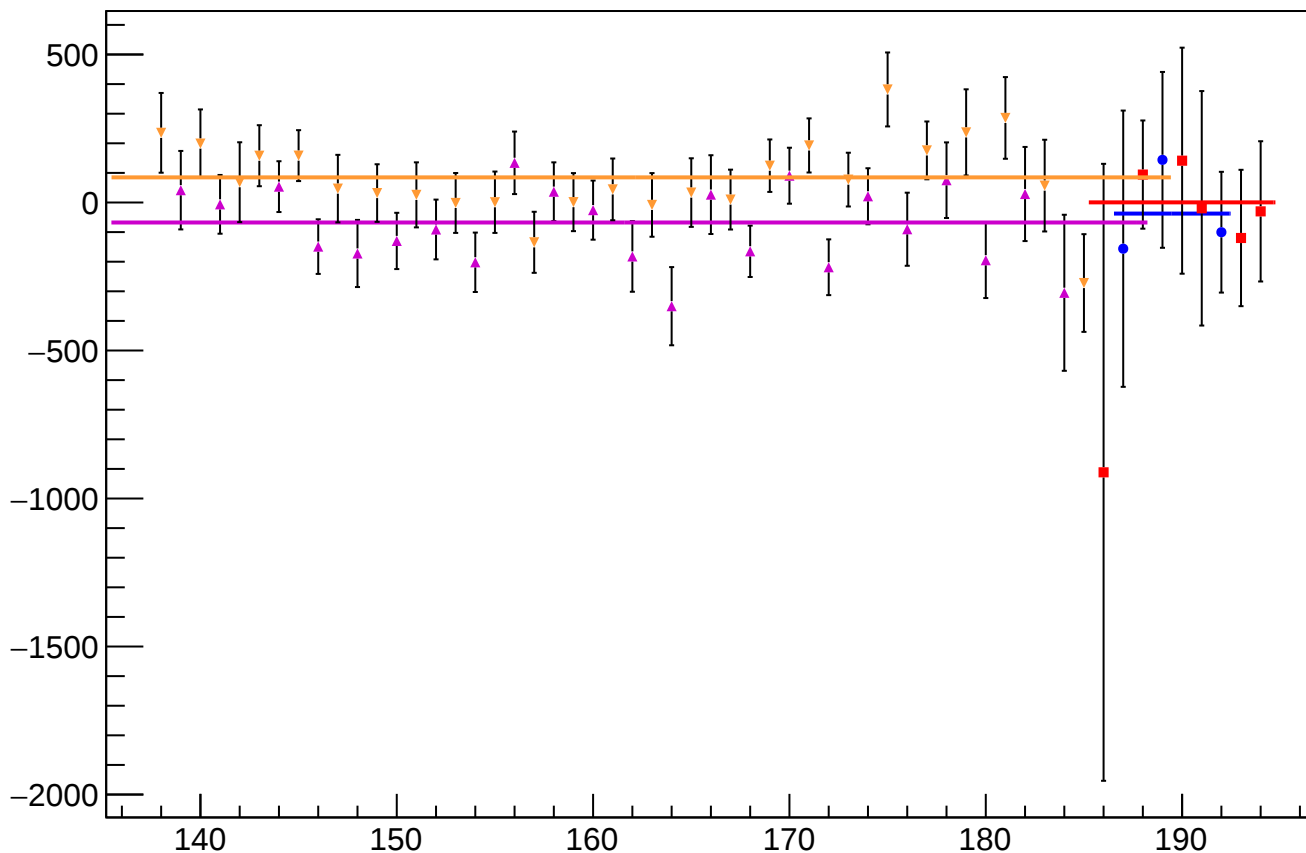
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 705.738+/-0.114 χ^2/NDF : 1496525.9/27

All: 715.010+/-0.081 χ^2/NDF : 4259963.6/56

- sign 724.618+/-0.116 χ^2/NDF : 2750019.5/28

reg_asym_sam_3748_avg_mean vs Slug



Right In: -37.442 ± 158.200 χ^2/NDF : 0.5/2

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 0.434 ± 111.269 χ^2/NDF : 1.5/5

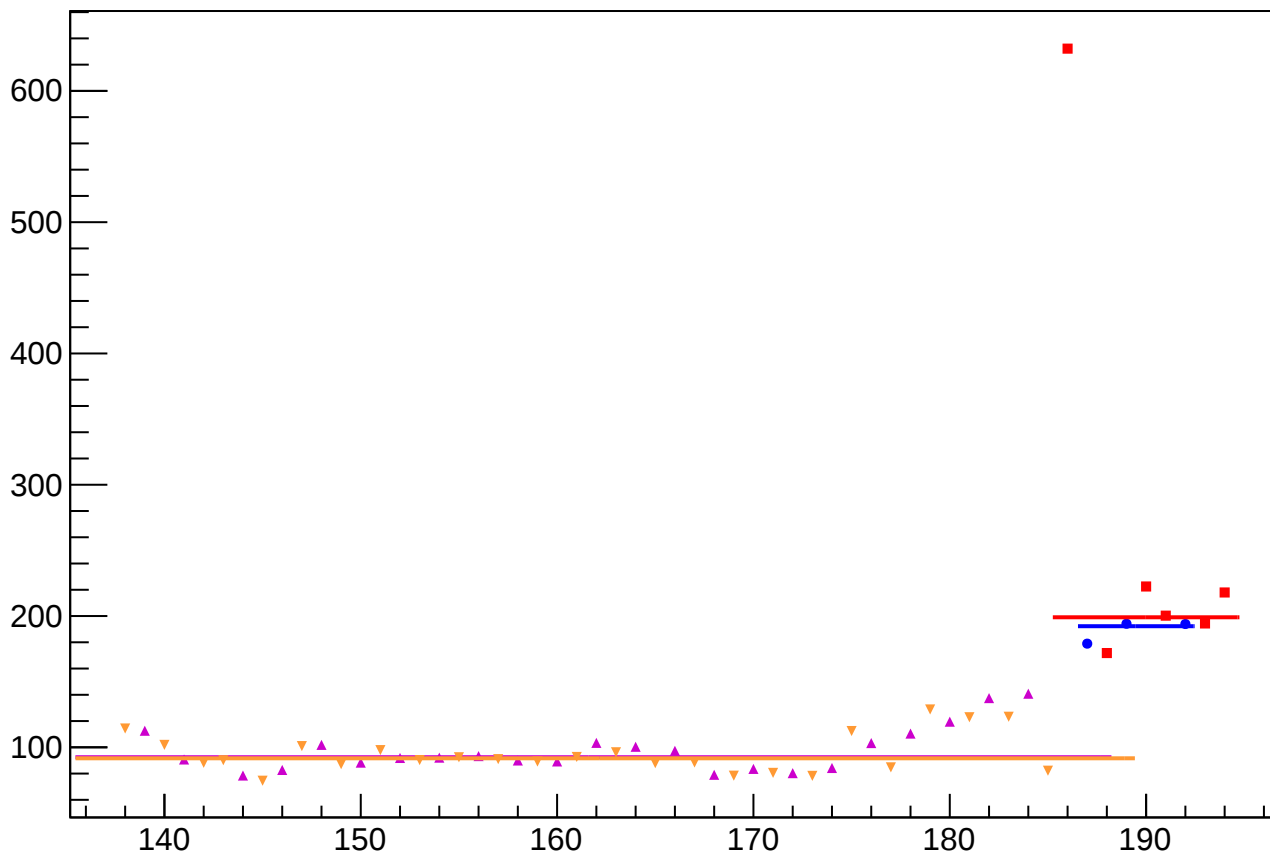
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 82.613 ± 21.443 χ^2/NDF : 29.6/27

All: 10.770 ± 15.358 χ^2/NDF : 83.3/56

- sign -64.893 ± 22.006 χ^2/NDF : 30.7/28

reg_asym_sam_3748_avg_rms vs Slug



Right In: 192.247 ± 0.112 χ^2/NDF : 1831.8/2

Left Out: 91.633 ± 0.015 χ^2/NDF : 693122.0/24

Right Out: 199.044 ± 0.079 χ^2/NDF : 411104.0/5

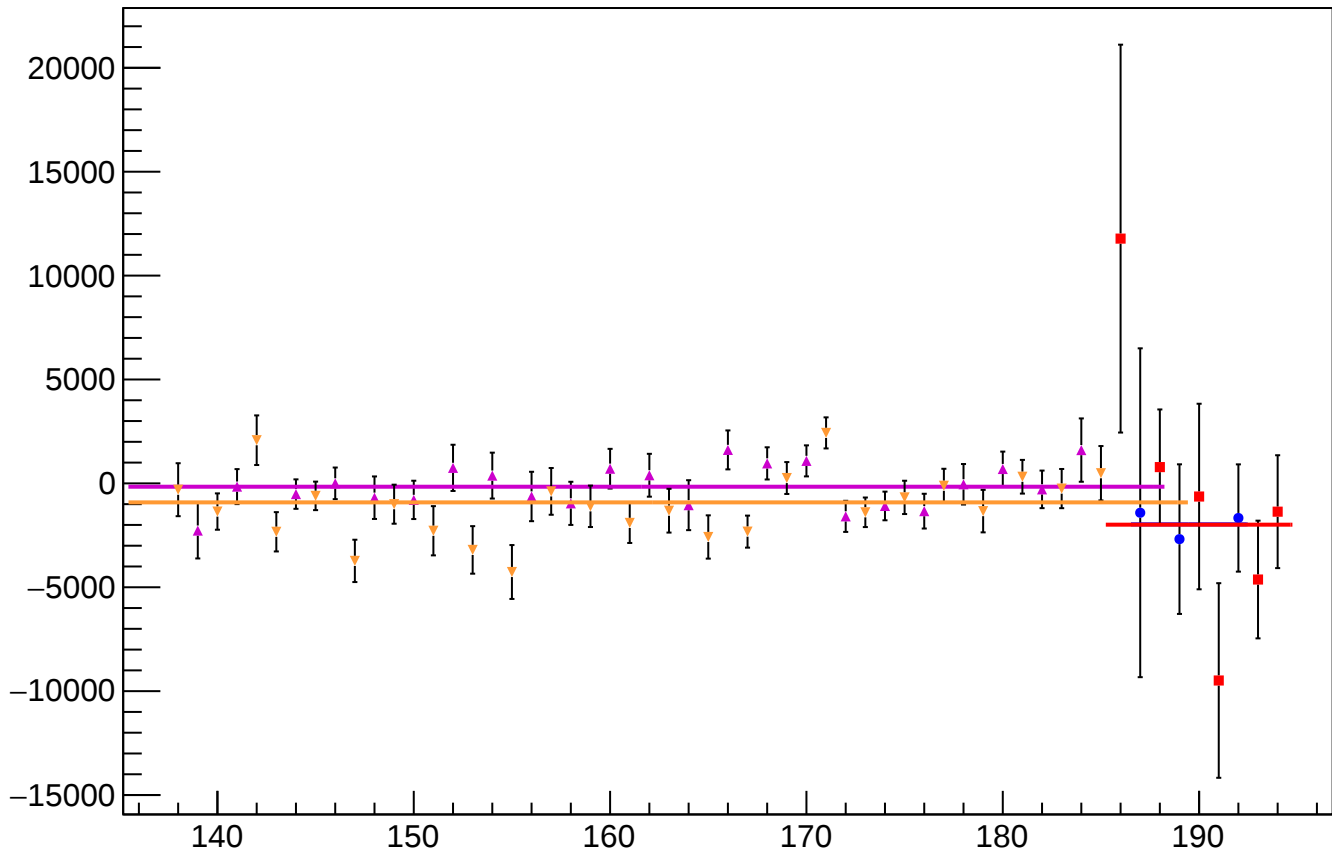
Left In: 92.466 ± 0.016 χ^2/NDF : 655700.4/22

+ sign 93.481 ± 0.015 χ^2/NDF : 1489068.0/27

All: 95.017 ± 0.011 χ^2/NDF : 4340080.0/56

- sign 96.635 ± 0.016 χ^2/NDF : 2829947.0/28

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1972.372 ± 2027.939 χ^2/NDF : 0.1/2

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -1987.760 ± 1417.991 χ^2/NDF : 6.8/5

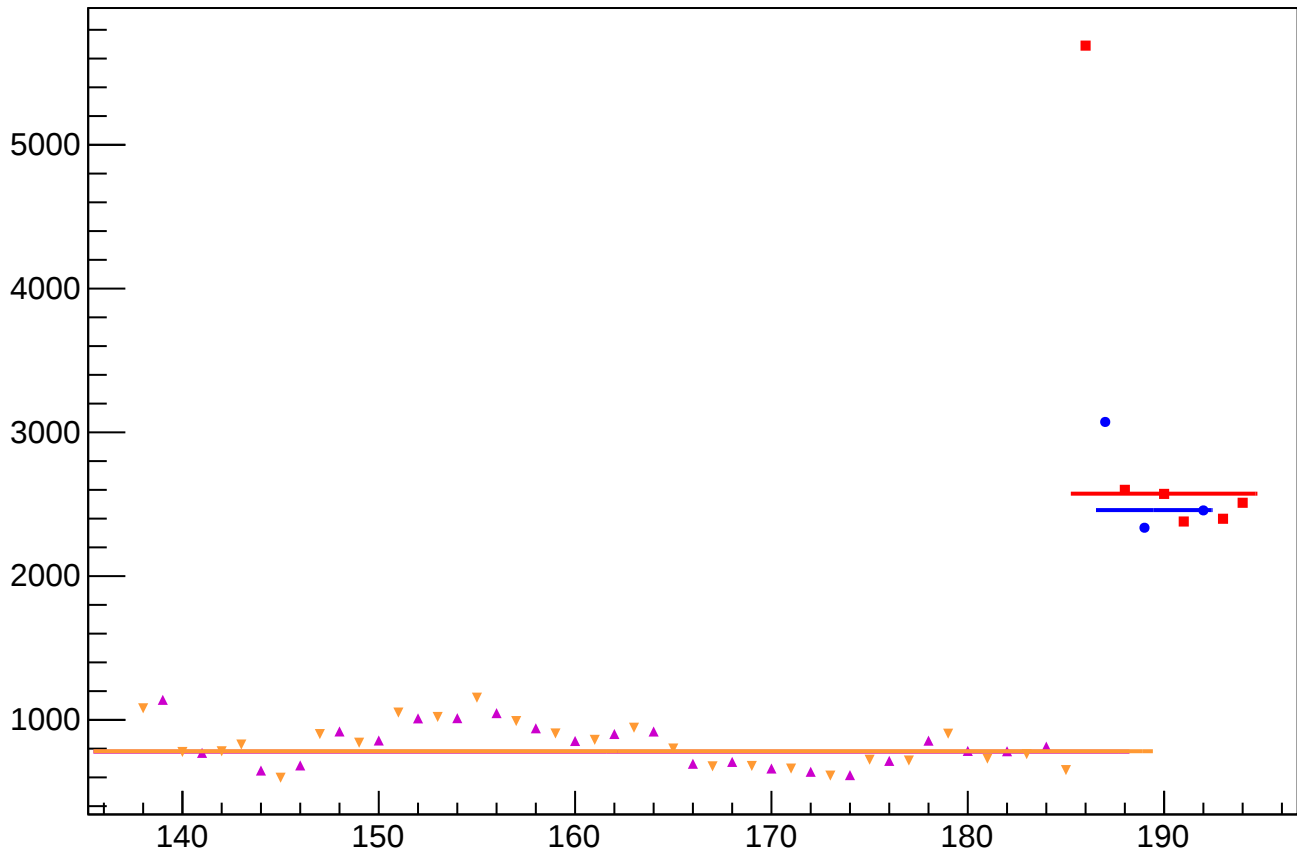
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -923.480 ± 184.572 χ^2/NDF : 64.5/27

All: -564.675 ± 131.646 χ^2/NDF : 105.7/56

- sign -193.125 ± 187.821 χ^2/NDF : 33.5/28

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2459.306 $\pm$ 1.434 χ^2 /NDF: 14332.6/2

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2573.514 $\pm$ 1.003 χ^2 /NDF: 235236.6/5

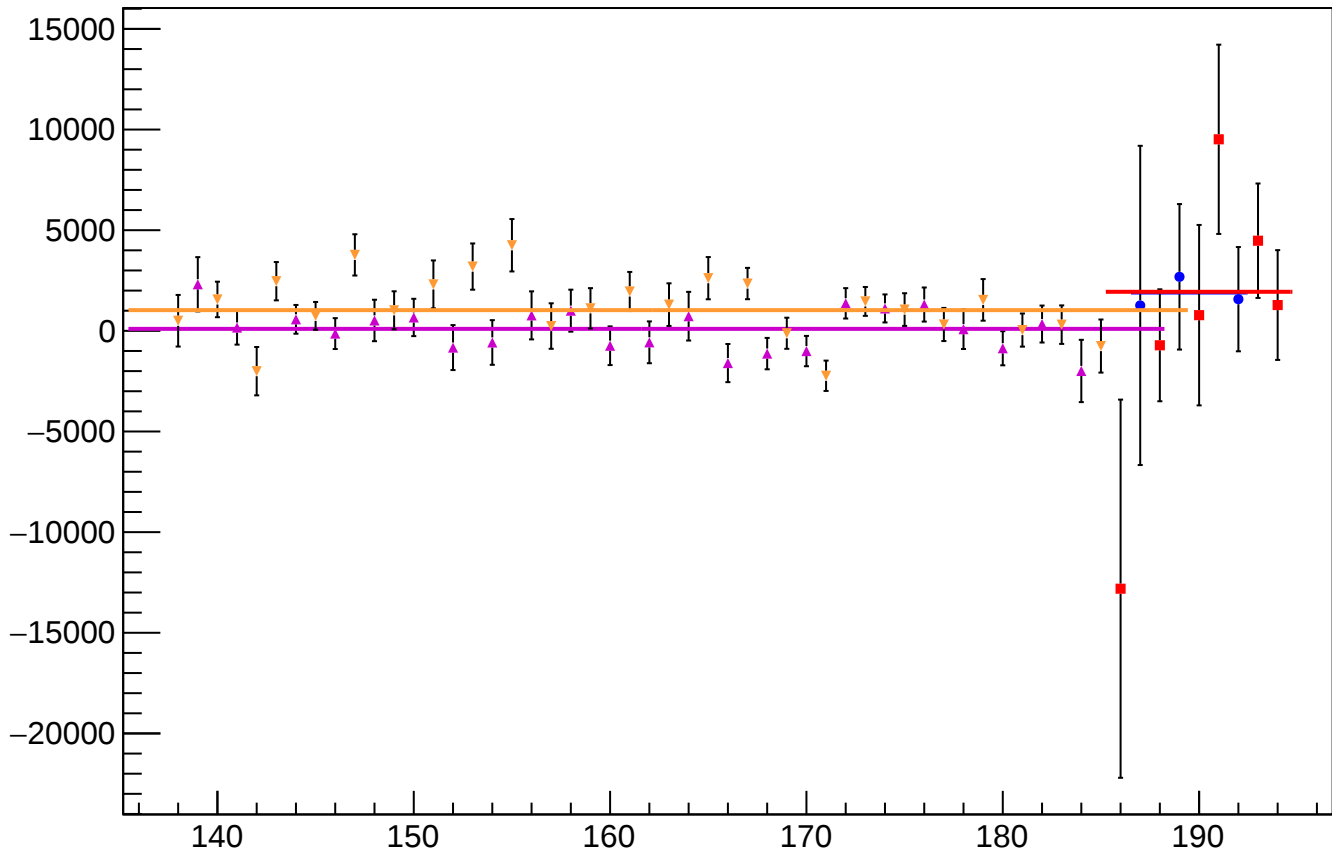
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 795.936 $\pm$ 0.131 χ^2 /NDF: 2502101.9/27

All: 803.080 $\pm$ 0.093 χ^2 /NDF: 6870649.8/56

- sign 810.479 $\pm$ 0.133 χ^2 /NDF: 4362447.9/28

asym_sam_3748_avg_mean vs Slug



Right In: 1904.959 $\pm$ 2034.518 χ^2 /NDF: 0.1/2

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF:60.2/24

Right Out: 1939.805 $\pm$ 1422.904 χ^2 /NDF: 6.9/5

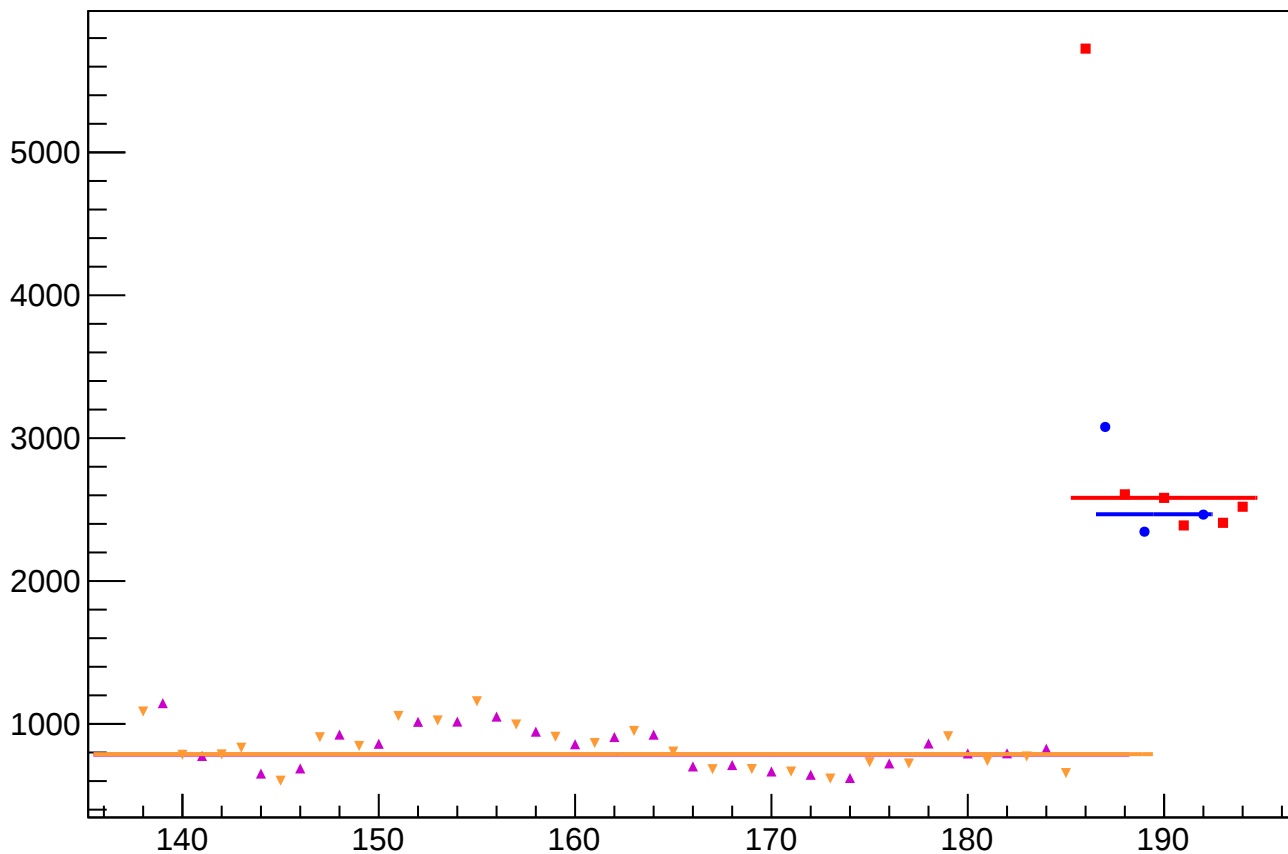
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF:25.4/22

+ sign 1036.189 $\pm$ 186.028 χ^2 /NDF: 60.4/27

All: 591.694 $\pm$ 132.693 χ^2 /NDF: 106.0/56

- sign 131.287 $\pm$ 189.328 χ^2 /NDF: 33.9/28

asym_sam_3748_avg_rms vs Slug



Right In: 2467.416+/-1.439 χ^2/NDF : 14160.4/2

Left Out: 788.442+/-0.132 χ^2/NDF :1113741.6/24

Right Out: 2582.338+/-1.006 χ^2/NDF : 236174.6/5

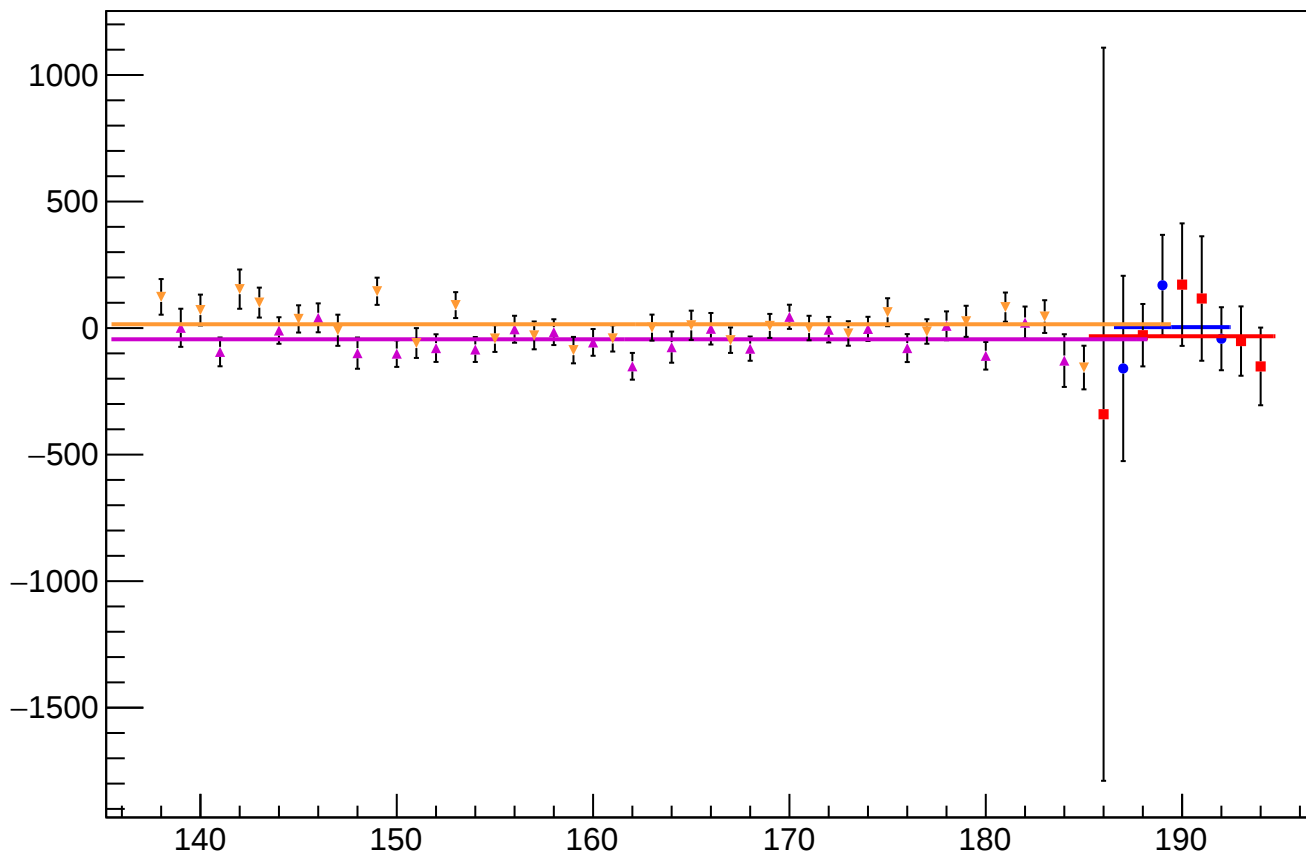
Left In: 785.490+/-0.135 χ^2/NDF :965338.9/22

+ sign 802.479+/-0.132 χ^2/NDF : 2478571.2/27

All: 809.760+/-0.094 χ^2/NDF : 6819204.1/56

- sign 817.302+/-0.134 χ^2/NDF : 4334395.0/28

reg_asym_sam_1526_avg_mean vs Slug



Right In: 3.688 ± 101.434 $\chi^2/\text{NDF}: 1.0/2$

Left Out: 15.099 ± 11.154 $\chi^2/\text{NDF}: 34.2/24$

Right Out: -32.314 ± 71.505 $\chi^2/\text{NDF}: 1.7/5$

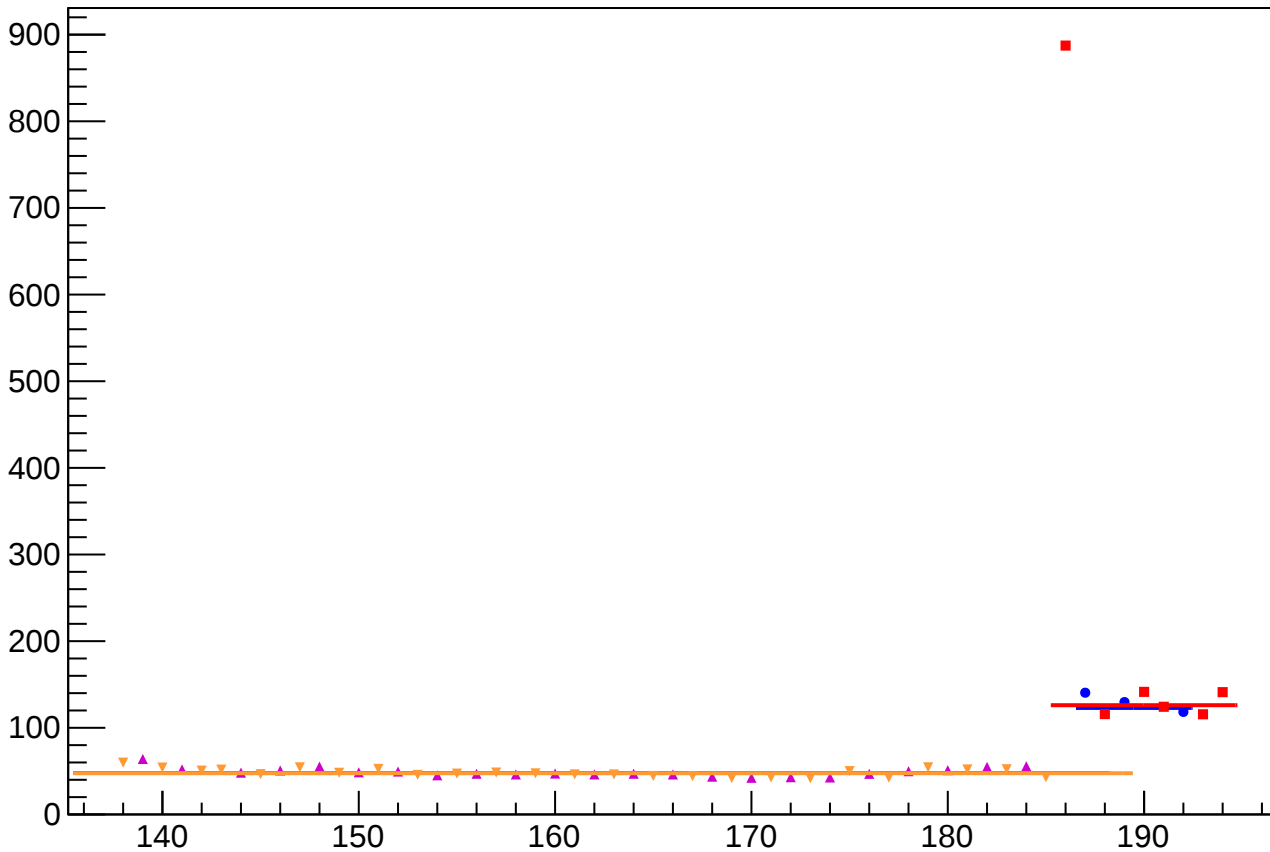
Left In: -44.297 ± 11.530 $\chi^2/\text{NDF}: 22.3/22$

+ sign 14.963 ± 11.087 $\chi^2/\text{NDF}: 35.2/27$

All: -13.741 ± 7.942 $\chi^2/\text{NDF}: 73.1/56$

- sign -43.994 ± 11.383 $\chi^2/\text{NDF}: 24.1/28$

reg_asym_sam_1526_avg_rms vs Slug



Right In: 122.986+/-0.072 χ^2/NDF : 9638.4/2

Left Out: 47.586+/-0.008 χ^2/NDF :312874.8/24

Right Out: 126.094+/-0.051 χ^2/NDF : 605569.3/5

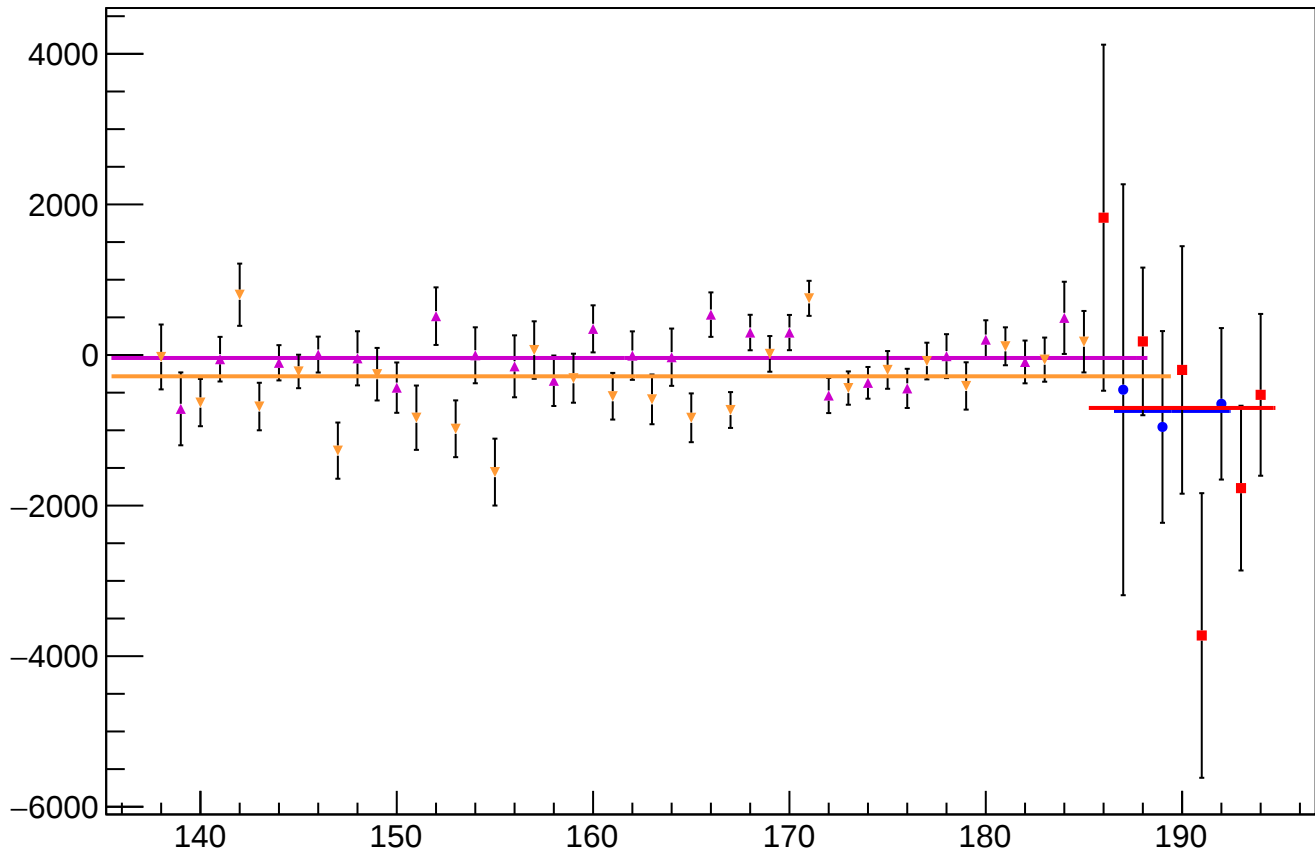
Left In: 47.846+/-0.008 χ^2/NDF :281790.1/22

+ sign 48.487+/-0.008 χ^2/NDF : 1414425.4/27

All: 49.140+/-0.006 χ^2/NDF : 4650336.7/56

- sign 49.829+/-0.008 χ^2/NDF : 3221650.4/28

asym_sam_1526_avg_correction_mean vs Slug



Right In: -742.763 ± 758.306 χ^2/NDF : 0.0/2

Left Out: -282.798 ± 59.690 χ^2/NDF : 66.5/24

Right Out: -703.124 ± 528.466 χ^2/NDF : 5.6/5

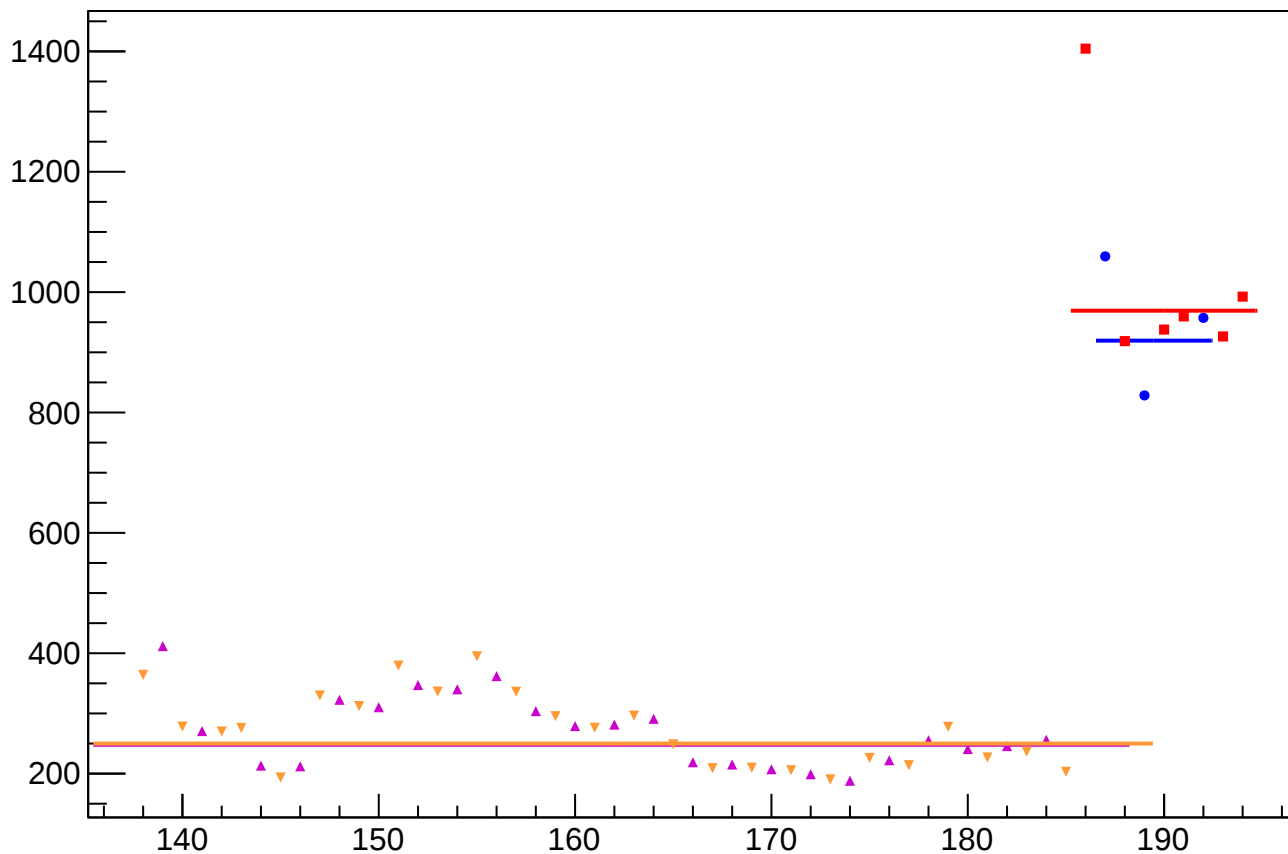
Left In: -39.432 ± 60.759 χ^2/NDF : 27.5/22

+ sign -285.631 ± 59.506 χ^2/NDF : 66.9/27

All: -168.556 ± 42.376 χ^2/NDF : 109.5/56

- sign -48.090 ± 60.361 χ^2/NDF : 34.7/28

asym_sam_1526_avg_correction_rms vs Slug



Right In: 919.420 ± 0.536 $\chi^2/\text{NDF}: 18306.2/2$

Left Out: 249.956 ± 0.042 $\chi^2/\text{NDF}: 1614205.9/24$

Right Out: 969.172 ± 0.374 $\chi^2/\text{NDF}: 81887.7/5$

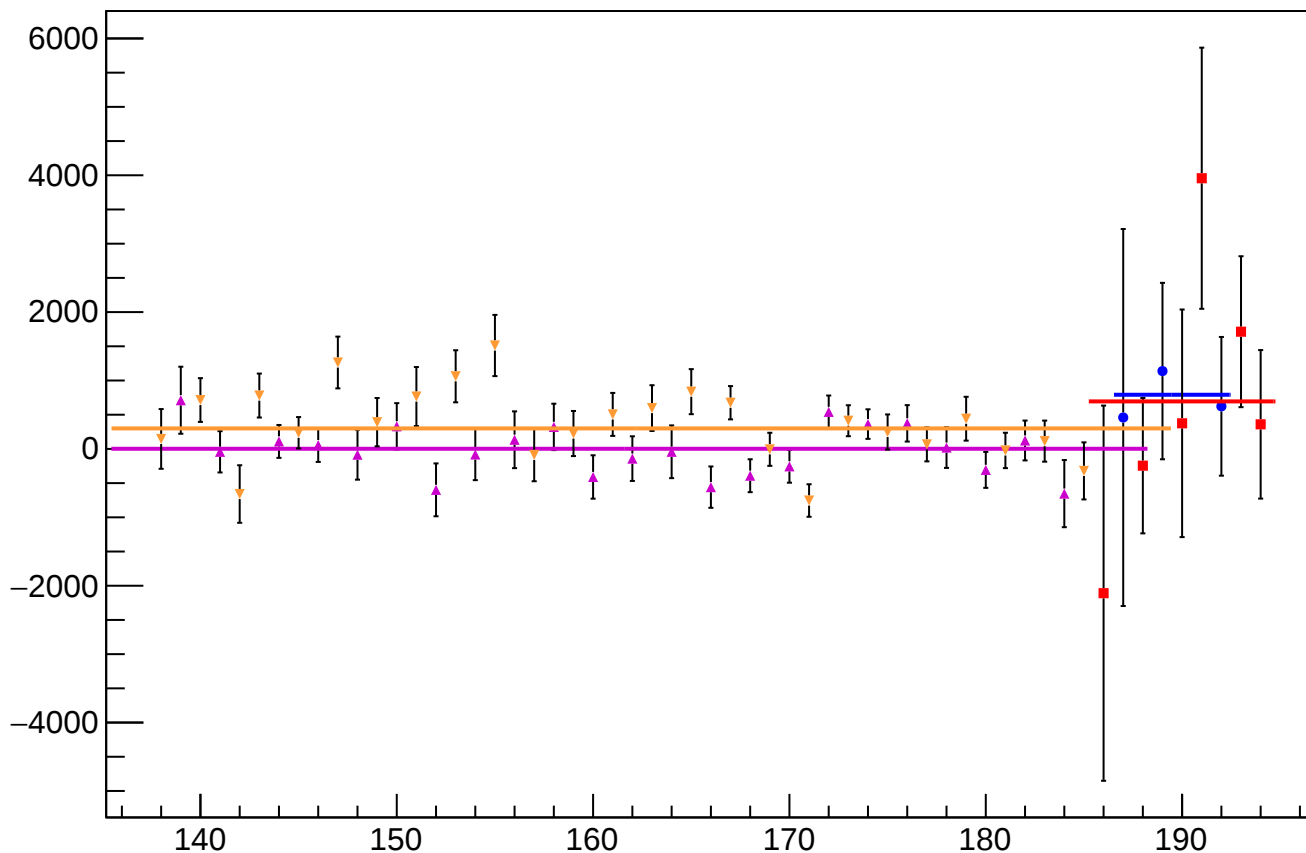
Left In: 247.917 ± 0.043 $\chi^2/\text{NDF}: 1410847.5/22$

+ sign 254.079 ± 0.042 $\chi^2/\text{NDF}: 3181729.2/27$

All: 255.680 ± 0.030 $\chi^2/\text{NDF}: 8354202.4/56$

- sign 257.327 ± 0.043 $\chi^2/\text{NDF}: 5169537.2/28$

asym_sam_1526_avg_mean vs Slug



Right In: 791.670 $\pm$ 765.639 χ^2 /NDF: 0.1/2

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF: 62.5/24

Right Out: 694.499 $\pm$ 537.549 χ^2 /NDF: 5.9/5

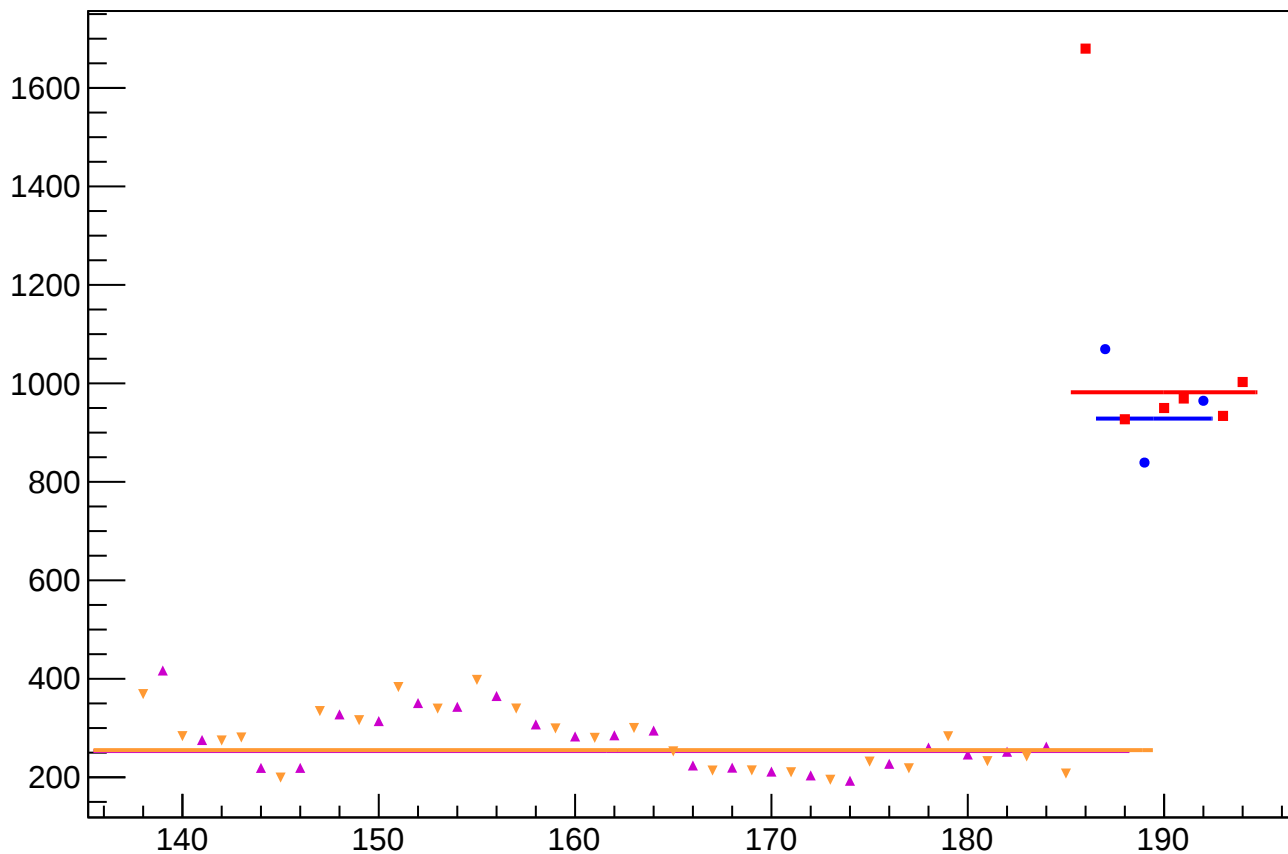
Left In: 2.185 $\pm$ 62.005 χ^2 /NDF: 29.2/22

+ sign 302.652 $\pm$ 60.668 χ^2 /NDF: 63.0/27

All: 159.175 $\pm$ 43.223 χ^2 /NDF: 111.0/56

- sign 11.275 $\pm$ 61.596 χ^2 /NDF: 36.7/28

asym_sam_1526_avg_rms vs Slug



Right In: 928.488+/-0.541 χ^2/NDF : 17384.1/2

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 981.920+/-0.380 χ^2/NDF : 141024.3/5

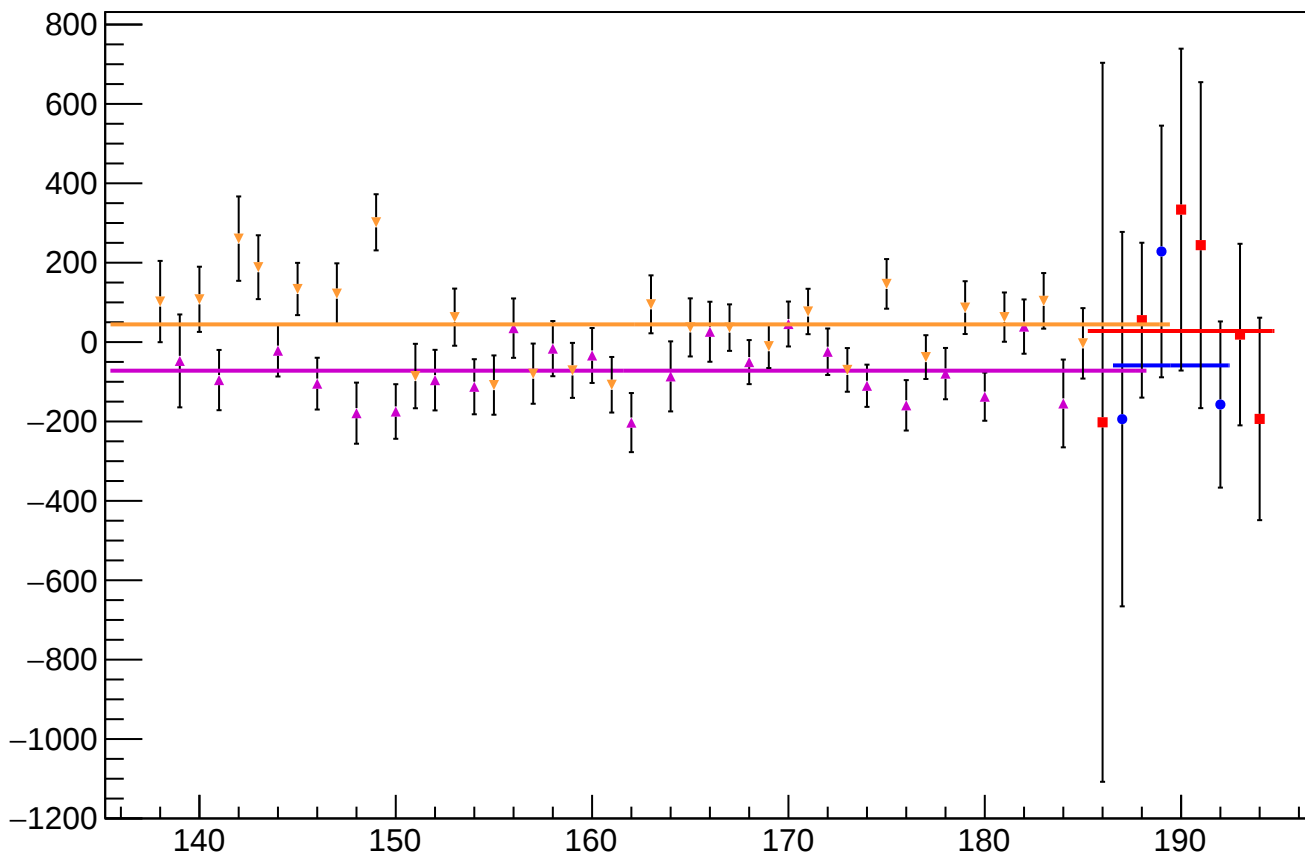
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 259.363+/-0.043 χ^2/NDF : 3096629.0/27

All: 261.082+/-0.031 χ^2/NDF : 8208937.5/56

- sign 262.855+/-0.044 χ^2/NDF : 5109047.0/28

reg_asym_sam_3726_avg_mean vs Slug



Right In: -58.787 ± 163.804 χ^2/NDF : 1.1/2

Left Out: 44.602 ± 13.824 χ^2/NDF : 53.9/24

Right Out: 27.941 ± 116.247 χ^2/NDF : 1.7/5

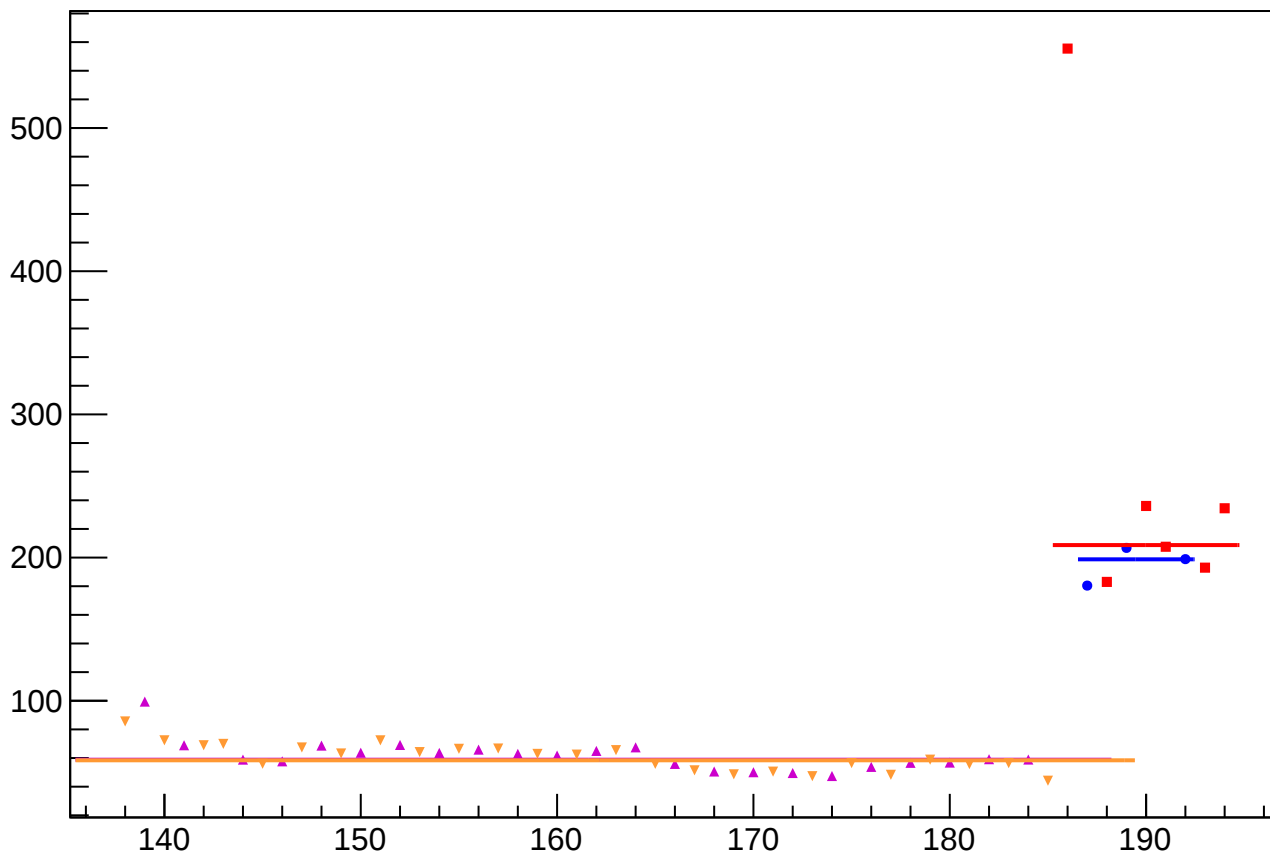
Left In: -72.037 ± 14.296 χ^2/NDF : 25.3/22

+ sign 43.871 ± 13.775 χ^2/NDF : 55.4/27

All: -11.644 ± 9.884 χ^2/NDF : 116.6/56

- sign -70.547 ± 14.189 χ^2/NDF : 27.7/28

reg_asym_sam_3726_avg_rms vs Slug



Right In: 198.783 $\pm$ 0.116 χ^2 /NDF: 4296.4/2

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 208.733 $\pm$ 0.082 χ^2 /NDF: 366859.5/5

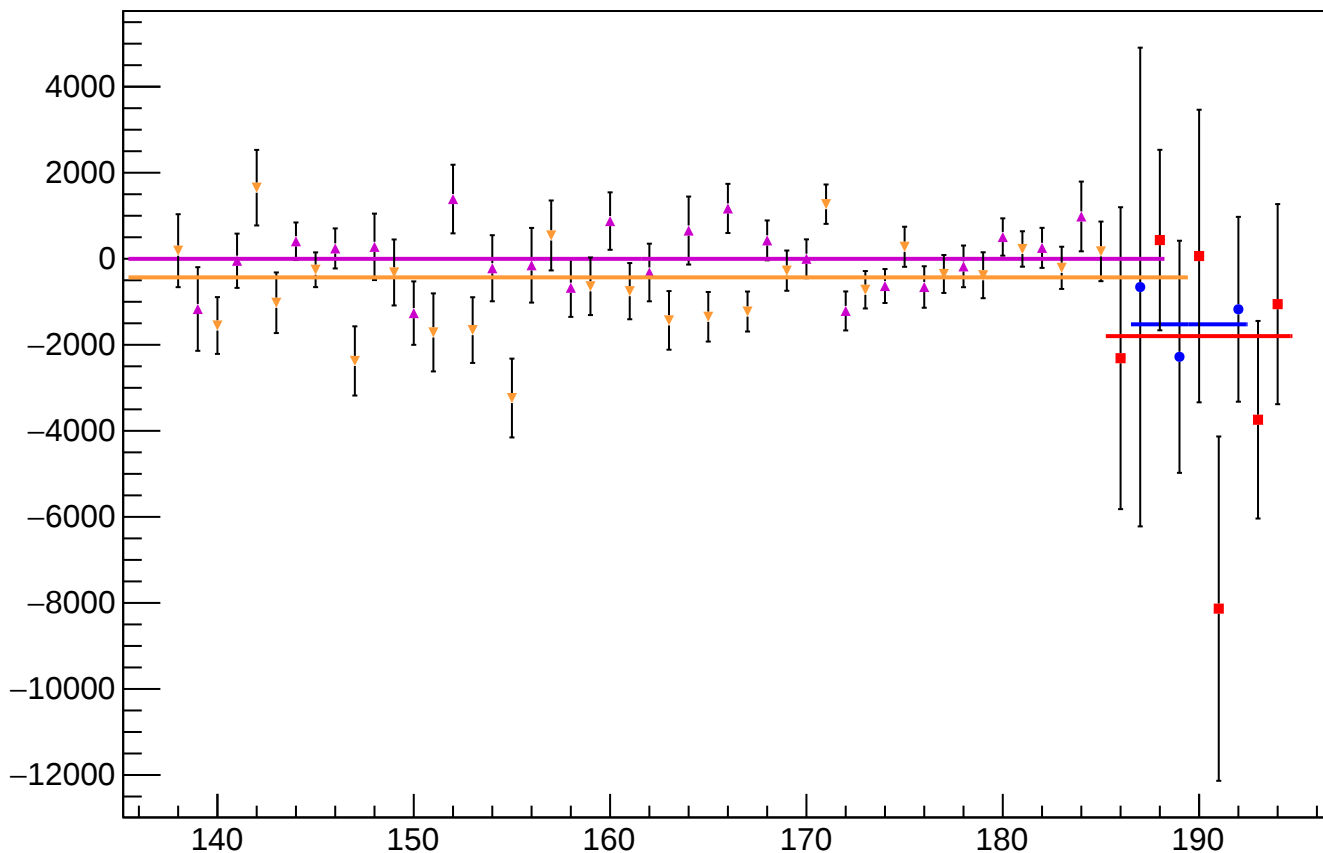
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 59.415 $\pm$ 0.010 χ^2 /NDF: 2252475.7/27

All: 60.220 $\pm$ 0.007 χ^2 /NDF: 6589093.5/56

- sign 61.073 $\pm$ 0.010 χ^2 /NDF: 4322566.9/28

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1523.645+/-1608.815 χ^2 /NDF: 0.1/2

Left Out: -432.330+/-114.408 χ^2 /NDF: 59.4/24

Right Out: -1797.969+/-1096.437 χ^2 /NDF: 4.8/5

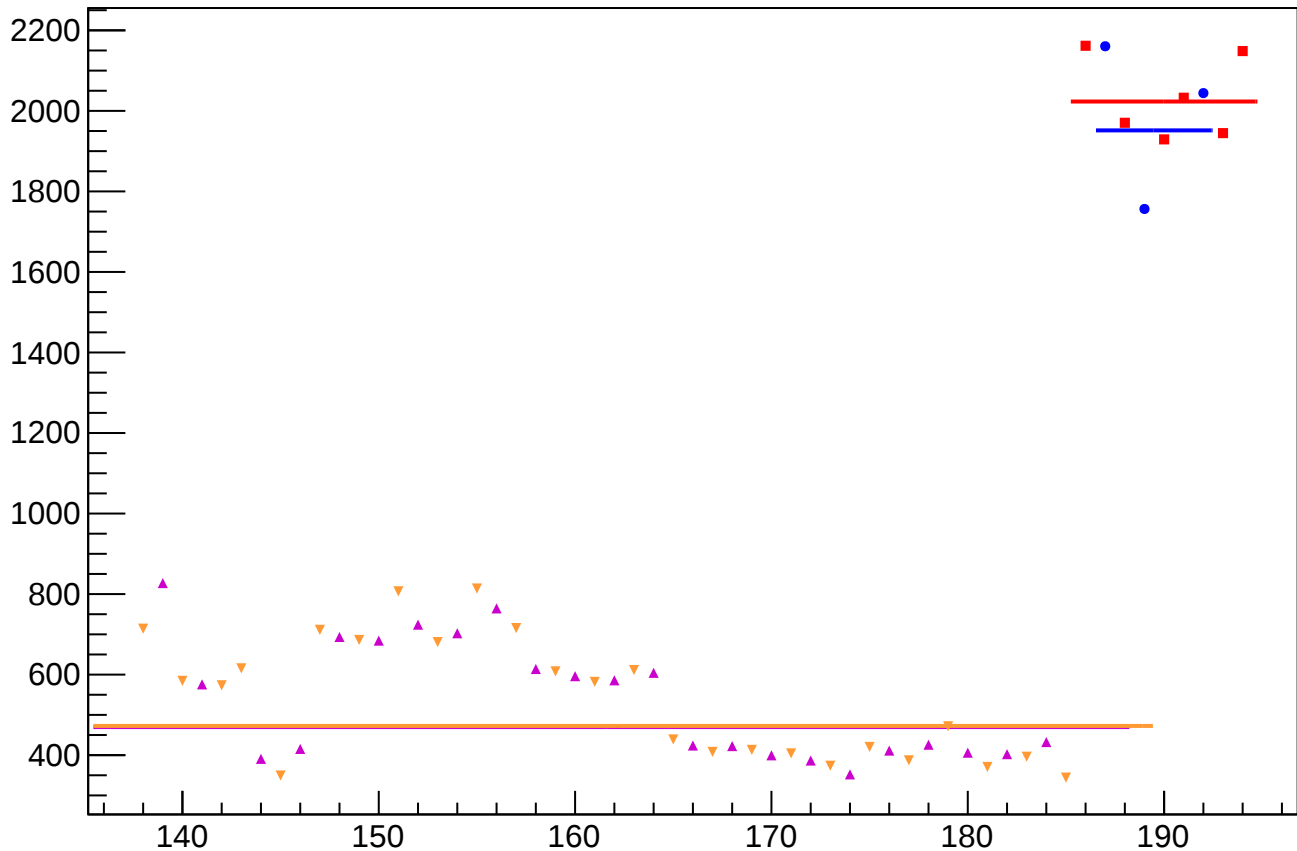
Left In: -1.825+/-116.459 χ^2 /NDF: 32.3/22

+ sign -437.821+/-114.120 χ^2 /NDF: 60.0/27

All: -232.895+/-81.285 χ^2 /NDF: 106.3/56

- sign -21.863+/-115.807 χ^2 /NDF: 39.7/28

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1951.558 $\pm$ 1.138 χ^2/NDF : 17000.8/2

Left Out: 472.569 $\pm$ 0.081 χ^2/NDF : 2508168.9/24

Right Out: 2023.225 $\pm$ 0.775 χ^2/NDF : 14058.3/5

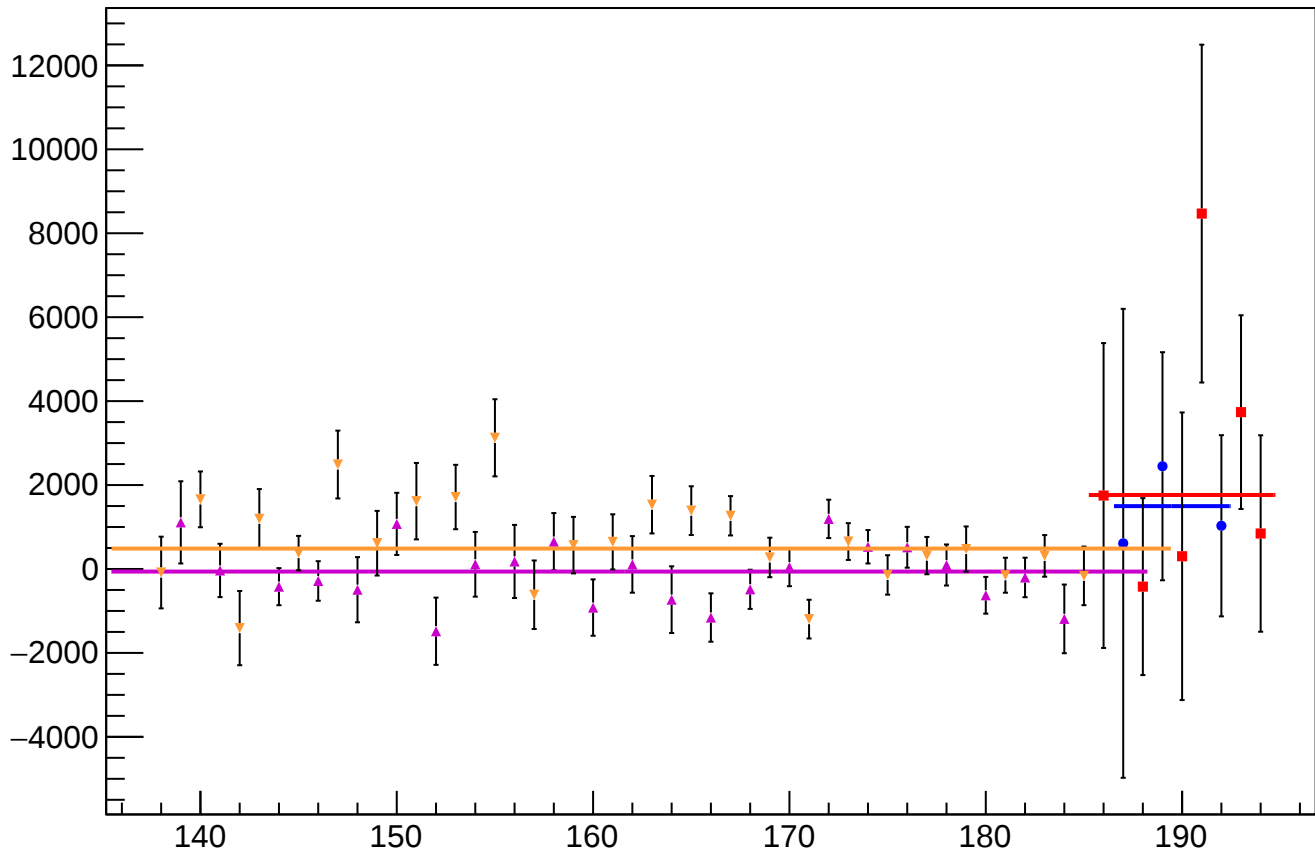
Left In: 469.761 $\pm$ 0.082 χ^2/NDF : 2116885.7/22

+ sign 480.011 $\pm$ 0.081 χ^2/NDF : 4206901.4/27

All: 483.499 $\pm$ 0.057 χ^2/NDF : 10311658.0/50

- sign 487.092 $\pm$ 0.082 χ^2/NDF : 6100963.1/28

asym_sam_3726_avg_mean vs Slug



Right In: 1497.409+/-1617.847 χ^2/NDF : 0.2/2

Left Out: 486.645+/-115.346 χ^2/NDF : 56.0/24

Right Out: 1763.253+/-1105.703 χ^2/NDF : 4.9/5

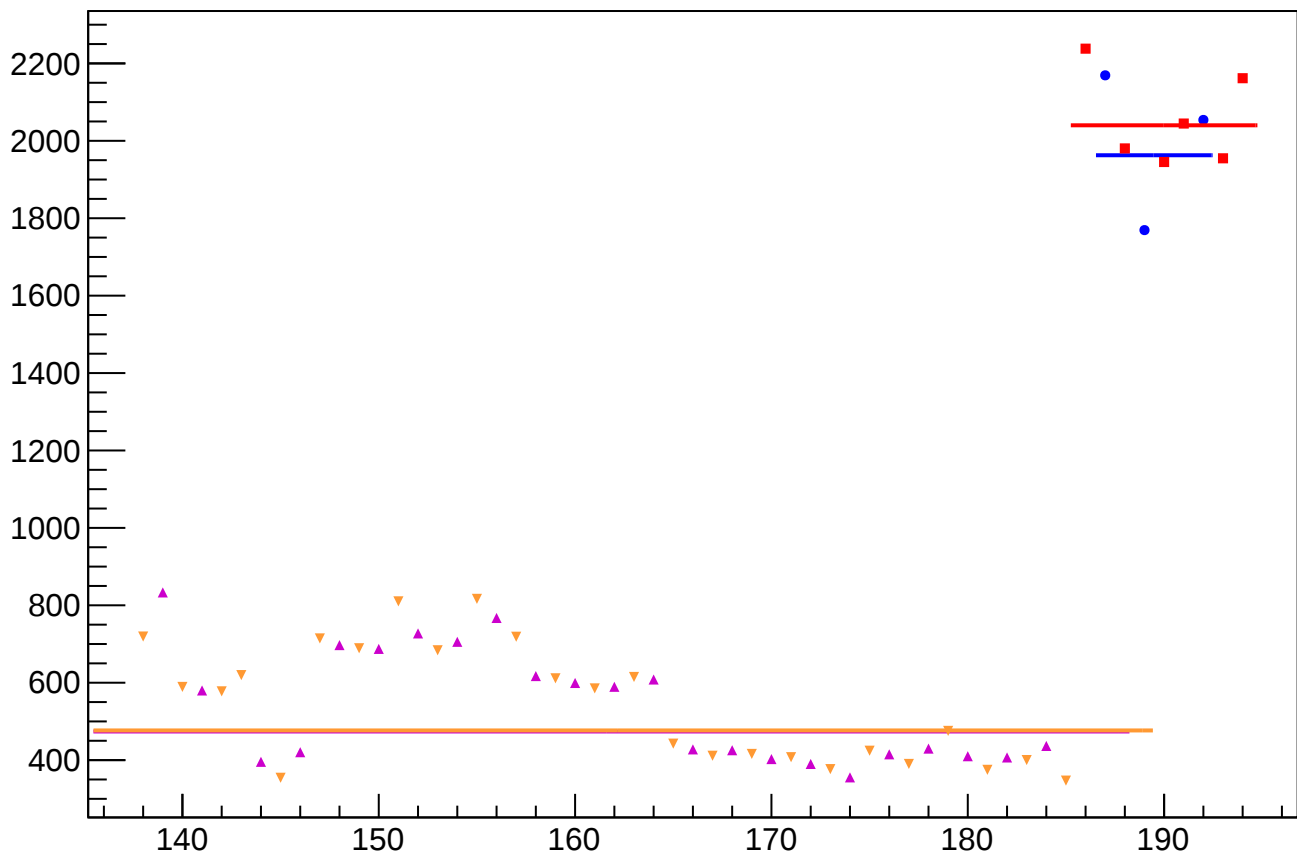
Left In: -61.775+/-117.449 χ^2/NDF : 31.2/22

+ sign 491.757+/-115.054 χ^2/NDF : 56.6/27

All: 229.168+/-81.963 χ^2/NDF : 105.9/56

- sign -41.413+/-116.792 χ^2/NDF : 38.8/28

asym_sam_3726_avg_rms vs Slug



Right In: 1962.739 $\pm$ 1.144 χ^2 /NDF: 16434.1/2

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF: 2472737.6/24

Right Out: 2040.102 $\pm$ 0.782 χ^2 /NDF: 17213.6/5

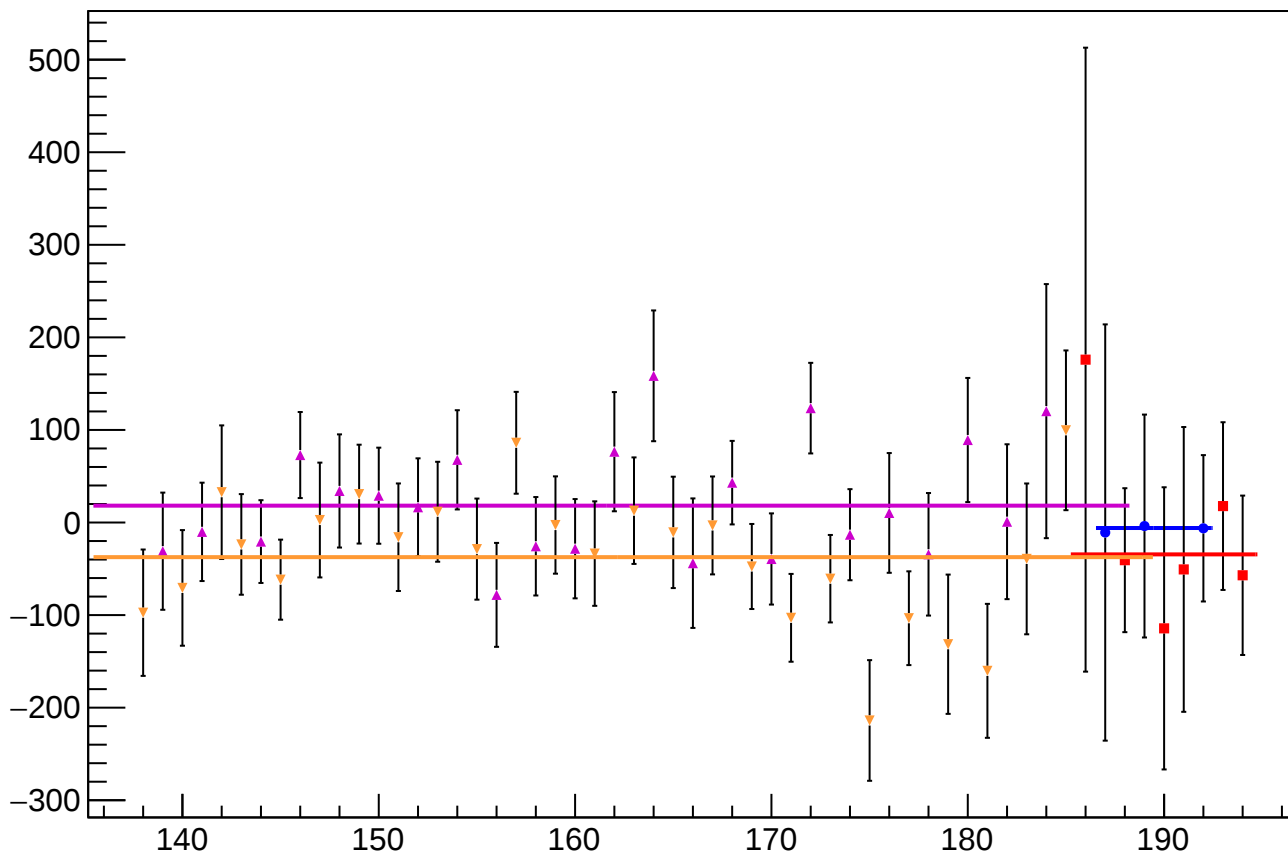
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF: 2087113.7/22

+ sign 484.206 $\pm$ 0.081 χ^2 /NDF: 4168049.8/27

All: 487.777 $\pm$ 0.058 χ^2 /NDF: 10243907.5/50

- sign 491.457 $\pm$ 0.083 χ^2 /NDF: 6071945.3/28

reg_asym_sam_15_48_dd_mean vs Slug



Right In: -5.934 ± 63.402 χ^2/NDF : 0.0/2

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -34.427 ± 44.009 χ^2/NDF : 1.1/5

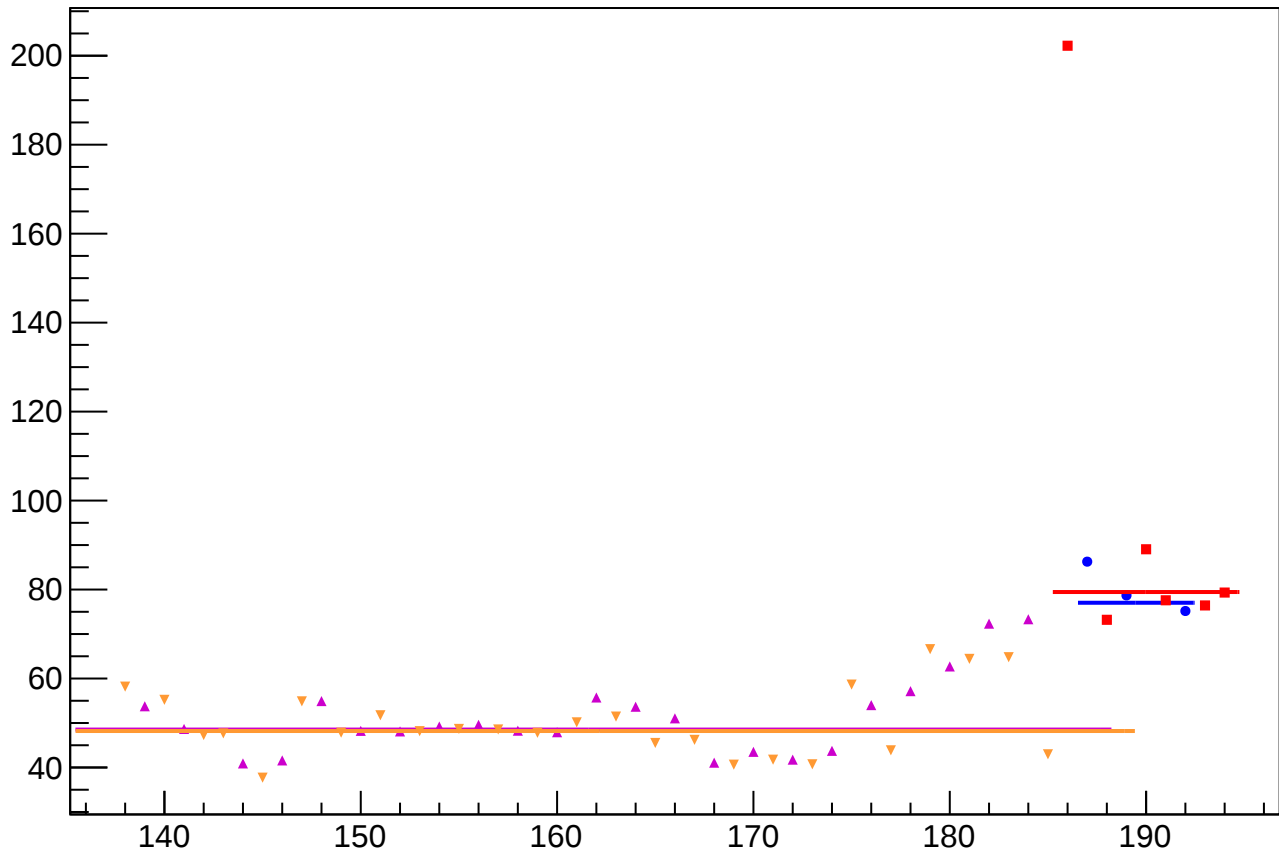
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -36.429 ± 11.210 χ^2/NDF : 30.7/27

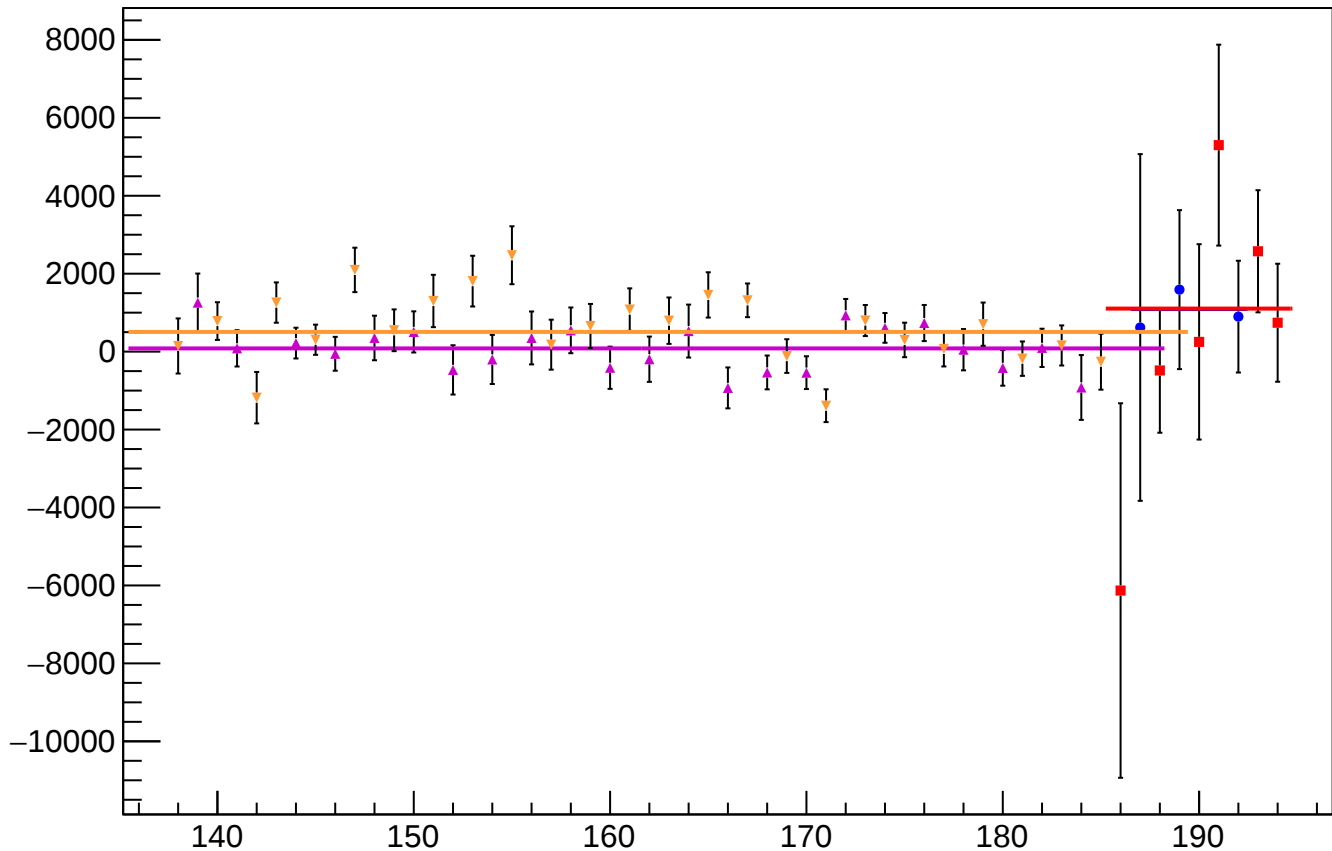
All: -11.270 ± 7.988 χ^2/NDF : 66.4/56

- sign 14.687 ± 11.386 χ^2/NDF : 25.4/28

reg_asym_sam_15_48_dd_rms vs Slug



asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1094.195+/-1134.244 χ^2/NDF : 0.1/2

Left Out: 506.205+/-103.468 χ^2/NDF : 65.7/24

Right Out: 1104.343+/-793.514 χ^2/NDF : 7.0/5

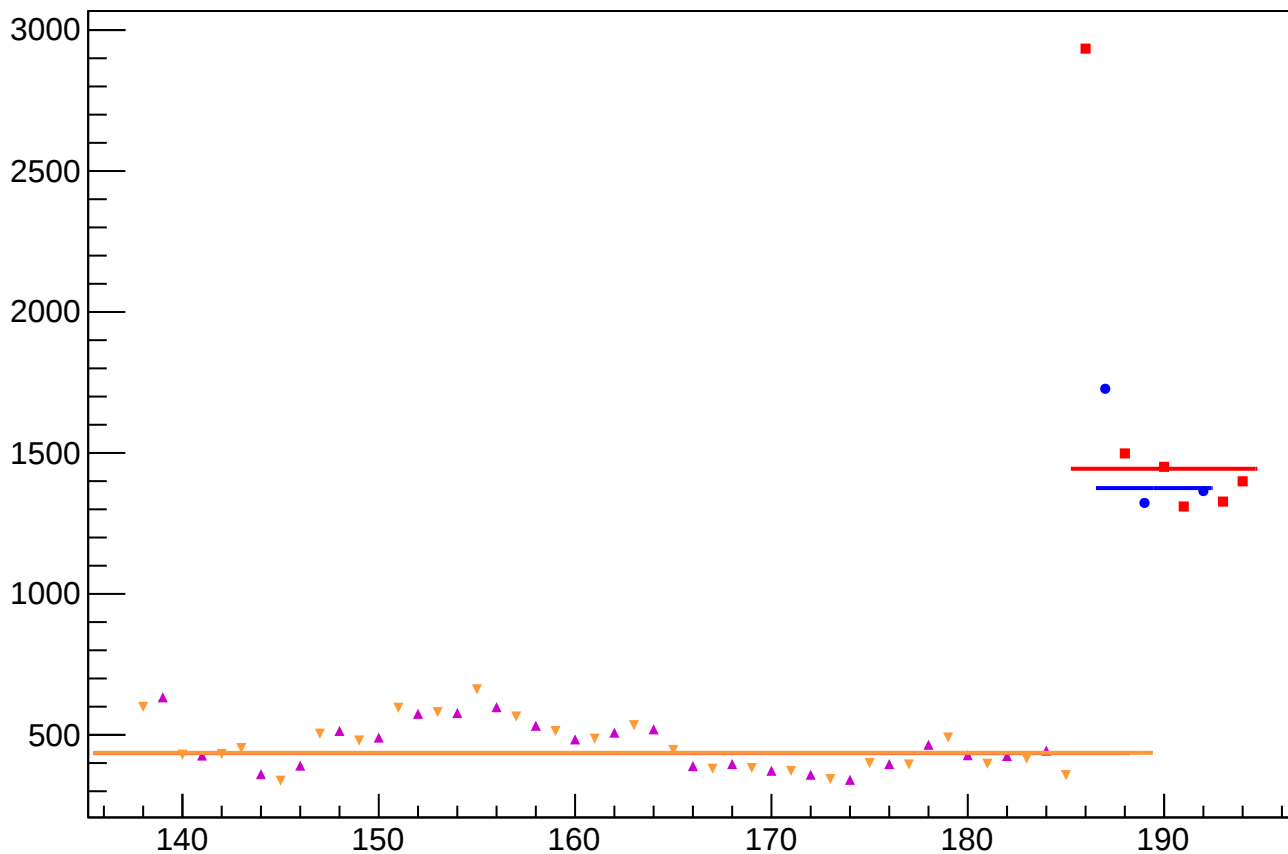
Left In: 82.421+/-105.935 χ^2/NDF : 25.3/22

+ sign 511.058+/-103.040 χ^2/NDF : 66.1/27

All: 309.563+/-73.545 χ^2/NDF : 107.8/56

- sign 100.315+/-105.004 χ^2/NDF : 33.9/28

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1375.353+/-0.802 χ^2/NDF : 13979.8/2

Left Out: 436.301+/-0.073 χ^2/NDF :1179348.4/24

Right Out: 1443.920+/-0.561 χ^2/NDF : 212838.6/5

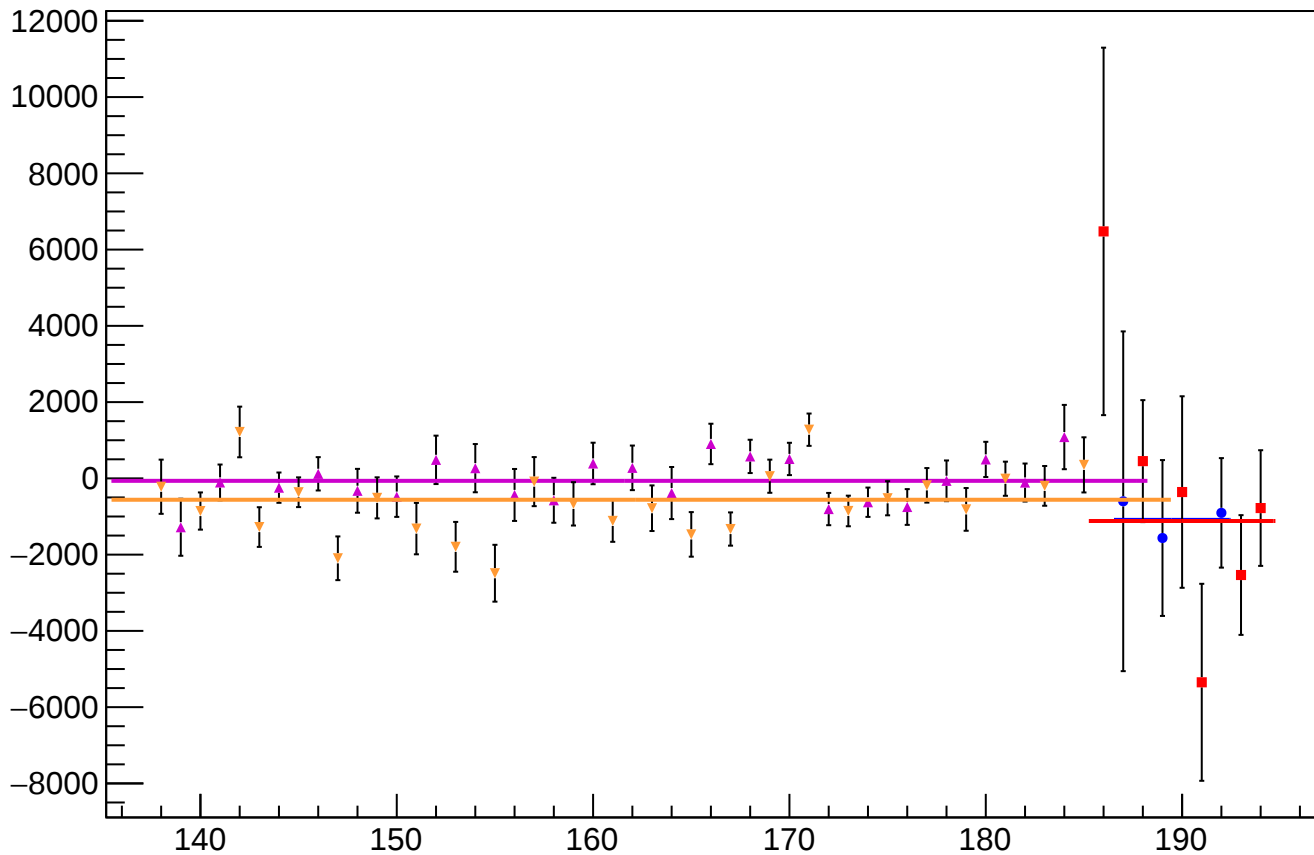
Left In: 435.275+/-0.075 χ^2/NDF :1027713.1/22

+ sign 444.051+/-0.073 χ^2/NDF : 2552881.3/27

All: 448.410+/-0.052 χ^2/NDF : 6975600.4/56

- sign 452.937+/-0.074 χ^2/NDF : 4415422.8/28

asym_sam_15_48_dd_mean vs Slug



Right In: -1088.638 ± 1136.094 χ^2/NDF : 0.1/2

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -1117.680 ± 794.851 χ^2/NDF : 7.1/5

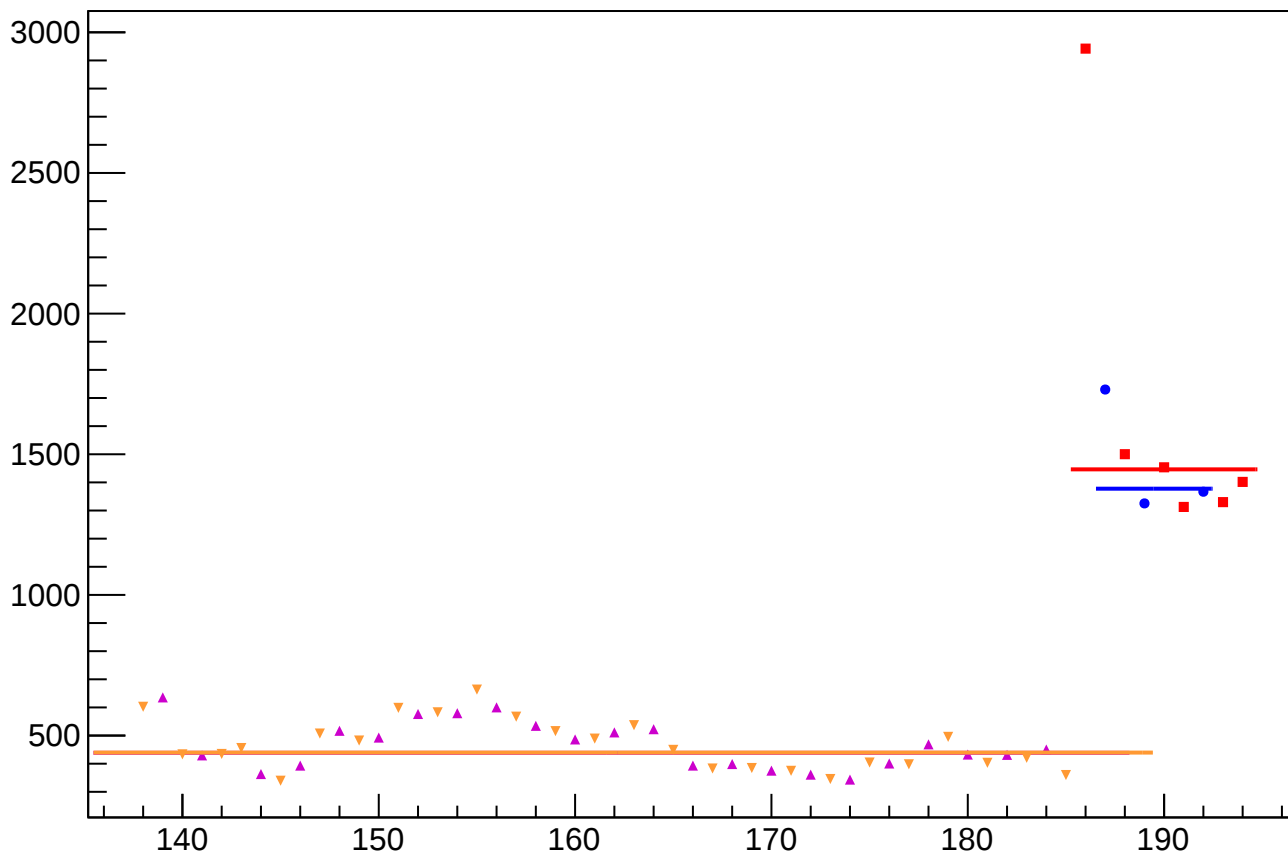
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -565.089 ± 103.772 χ^2/NDF : 62.0/27

All: -328.733 ± 74.070 χ^2/NDF : 106.6/56

- sign -83.238 ± 105.759 χ^2/NDF : 34.0/28

asym_sam_15_48_dd_rms vs Slug



Right In: 1377.622 $\pm$ 0.803 χ^2/NDF : 13943.5/2

Left Out: 439.527 $\pm$ 0.074 χ^2/NDF : 1163352.8/24

Right Out: 1446.342 $\pm$ 0.562 χ^2/NDF : 213067.9/5

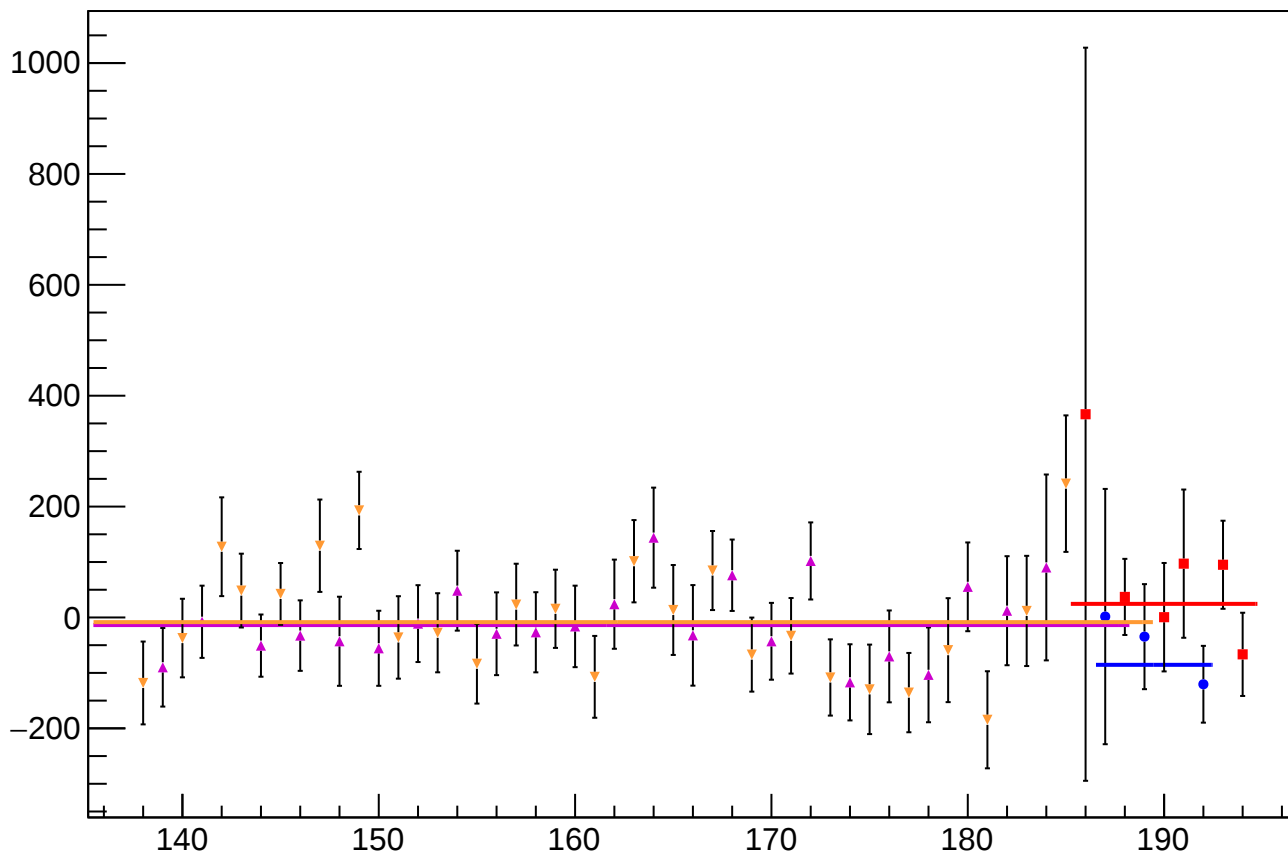
Left In: 438.548 $\pm$ 0.075 χ^2/NDF : 1013071.4/22

+ sign 447.354 $\pm$ 0.073 χ^2/NDF : 2529544.9/27

All: 451.786 $\pm$ 0.052 χ^2/NDF : 6921359.4/56

- sign 456.389 $\pm$ 0.075 χ^2/NDF : 4384376.5/28

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -85.434 ± 54.332 χ^2/NDF : 0.7/2

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 24.528 ± 37.503 χ^2/NDF : 2.9/5

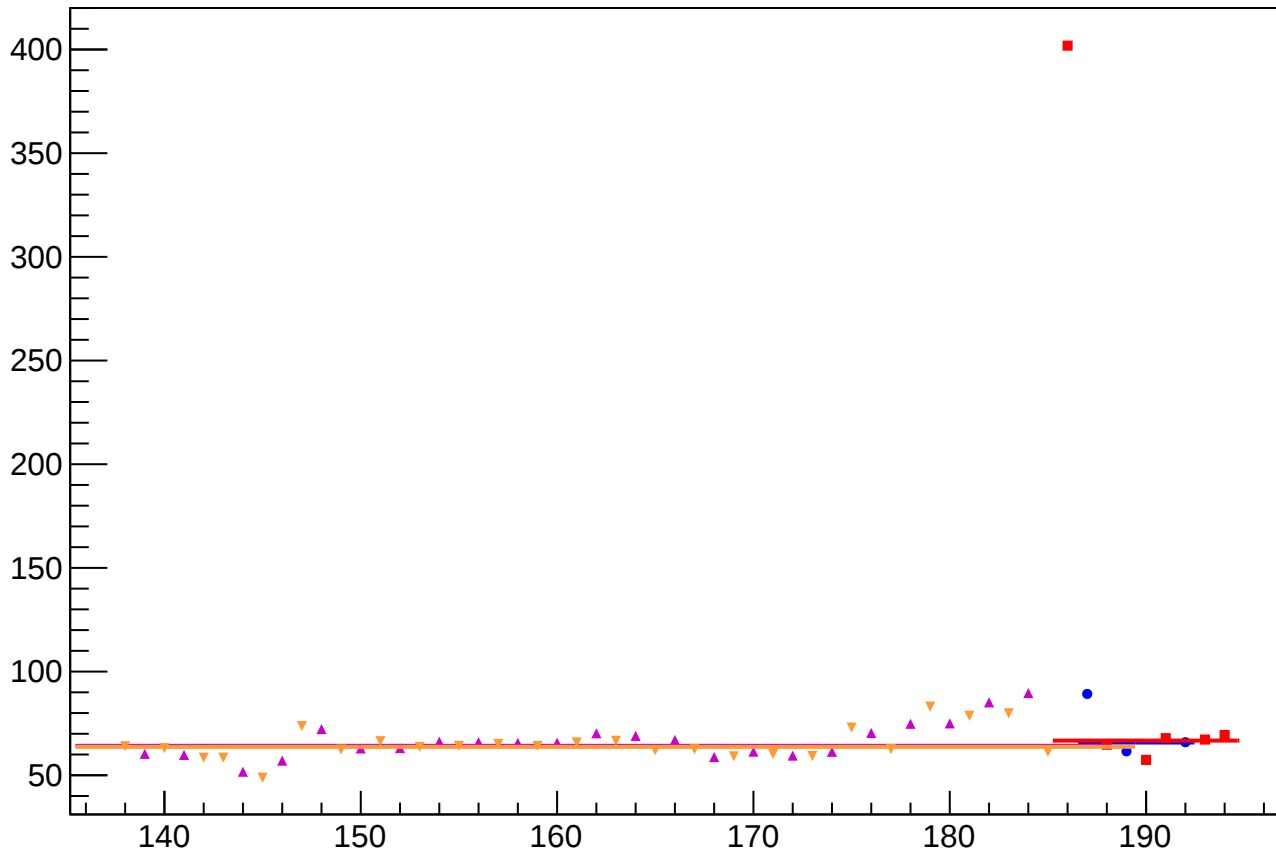
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -13.827 ± 14.401 χ^2/NDF : 44.2/27

All: -10.973 ± 10.150 χ^2/NDF : 64.3/56

- sign -8.156 ± 14.307 χ^2/NDF : 20.1/28

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 65.789 $\pm$ 0.038 χ^2 /NDF: 24723.9/2

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 66.710 $\pm$ 0.027 χ^2 /NDF: 536363.7/5

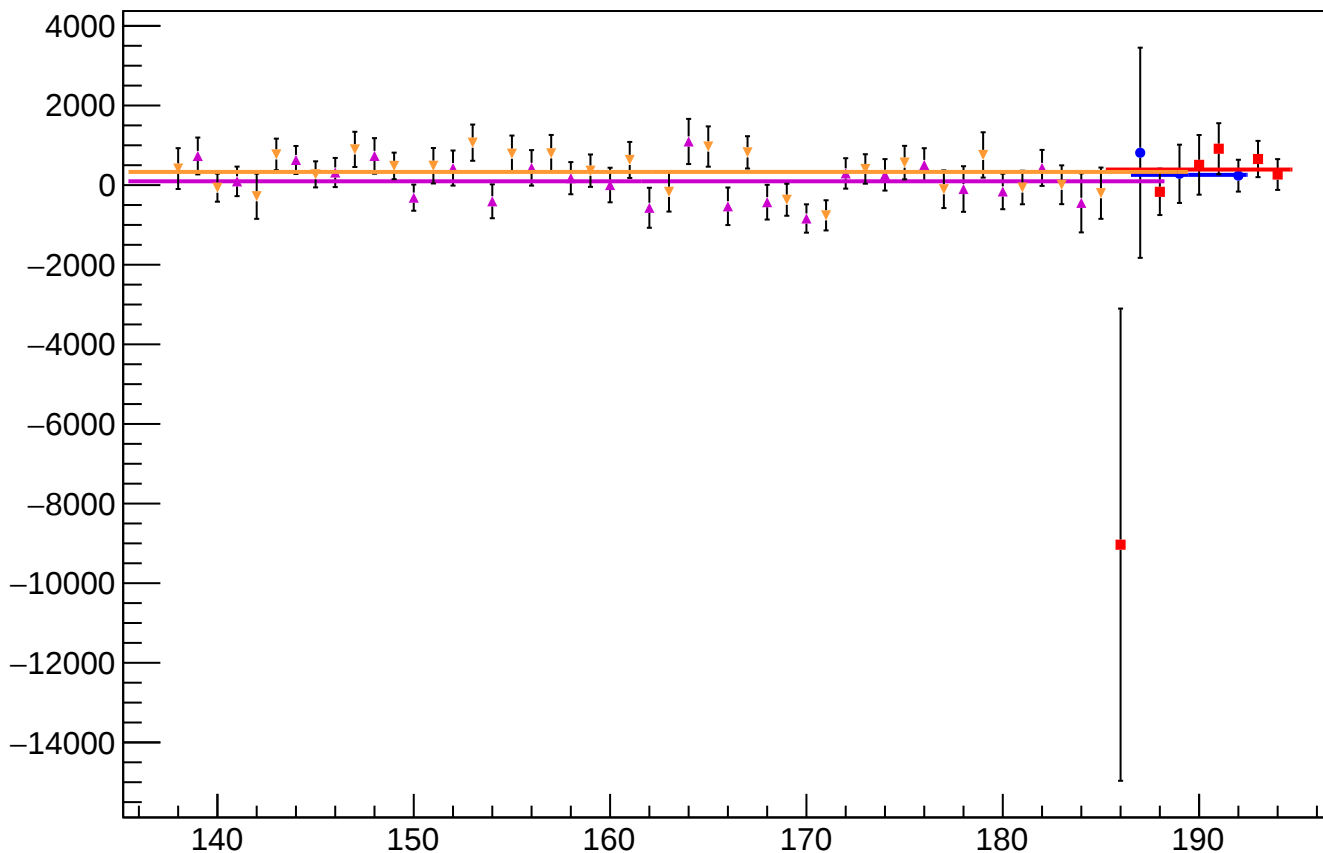
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.843 $\pm$ 0.010 χ^2 /NDF: 475923.9/27

All: 64.202 $\pm$ 0.007 χ^2 /NDF: 1452145.5/56

- sign 64.556 $\pm$ 0.010 χ^2 /NDF: 973754.6/28

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 257.655 $\pm$ 347.848 χ^2 /NDF: 0.0/2

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF:29.9/24

Right Out: 391.446 $\pm$ 231.318 χ^2 /NDF: 4.6/5

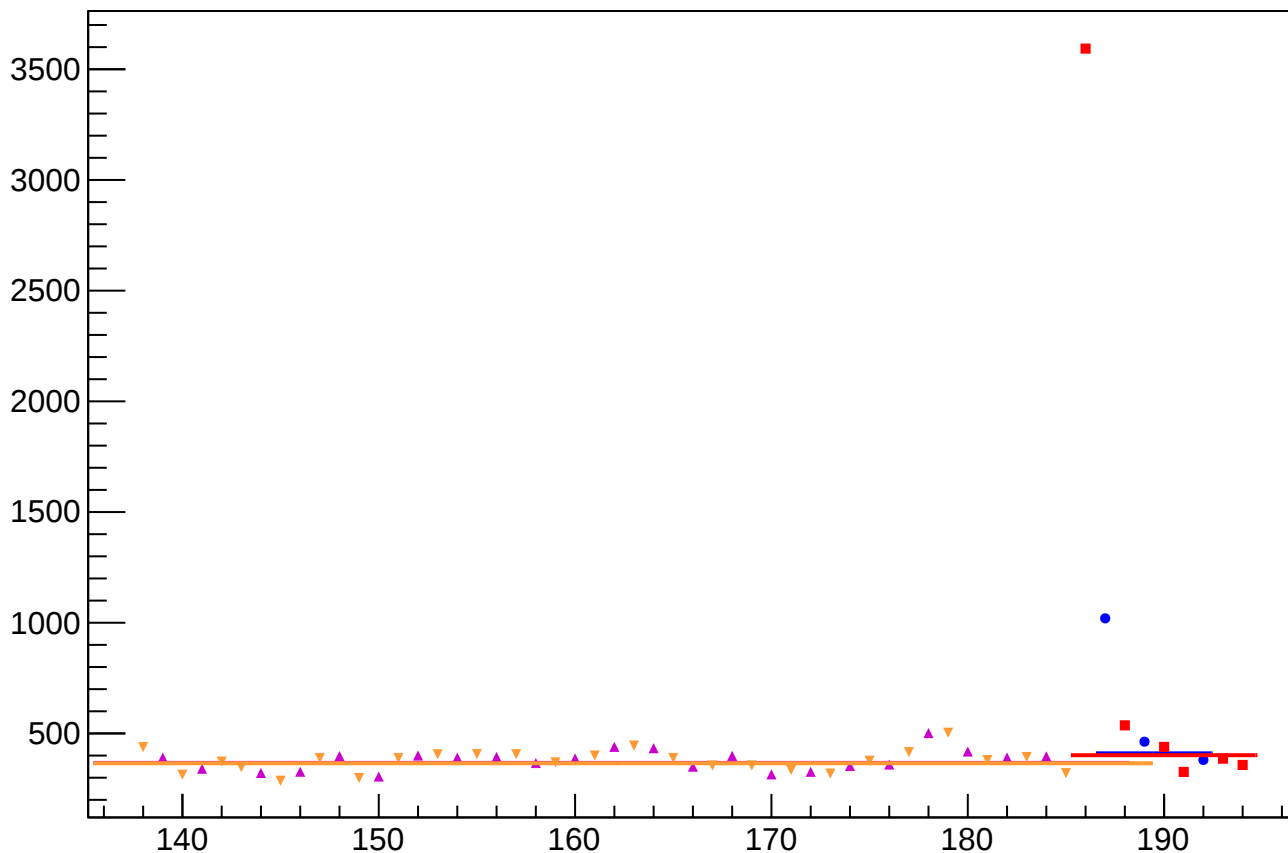
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF:28.7/22

+ sign 327.465 $\pm$ 83.551 χ^2 /NDF: 30.0/27

All: 229.720 $\pm$ 58.807 χ^2 /NDF: 67.4/56

- sign 133.761 $\pm$ 82.784 χ^2 /NDF: 34.7/28

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 410.039 $\pm$ 0.246 χ^2 /NDF: 128149.8/2

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 401.675 $\pm$ 0.164 χ^2 /NDF: 747162.0/5

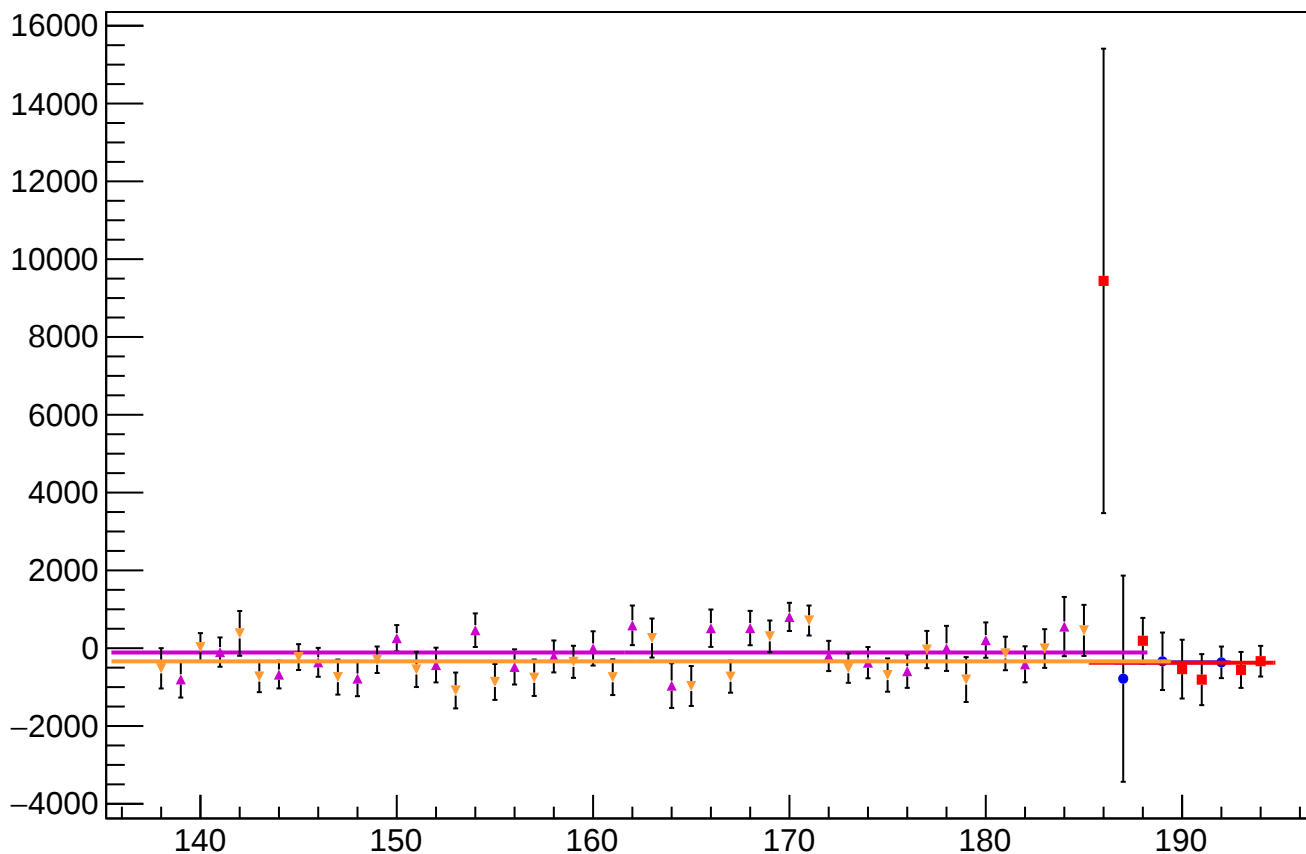
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 367.933 $\pm$ 0.059 χ^2 /NDF: 777702.3/27

All: 369.670 $\pm$ 0.042 χ^2 /NDF: 2044016.0/56

- sign 371.375 $\pm$ 0.059 χ^2 /NDF: 1264600.7/28

asym_sam_37_48_dd_mean vs Slug



Right In: -364.576 ± 352.576 χ^2/NDF : 0.0/2

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -373.383 ± 234.939 χ^2/NDF : 4.3/5

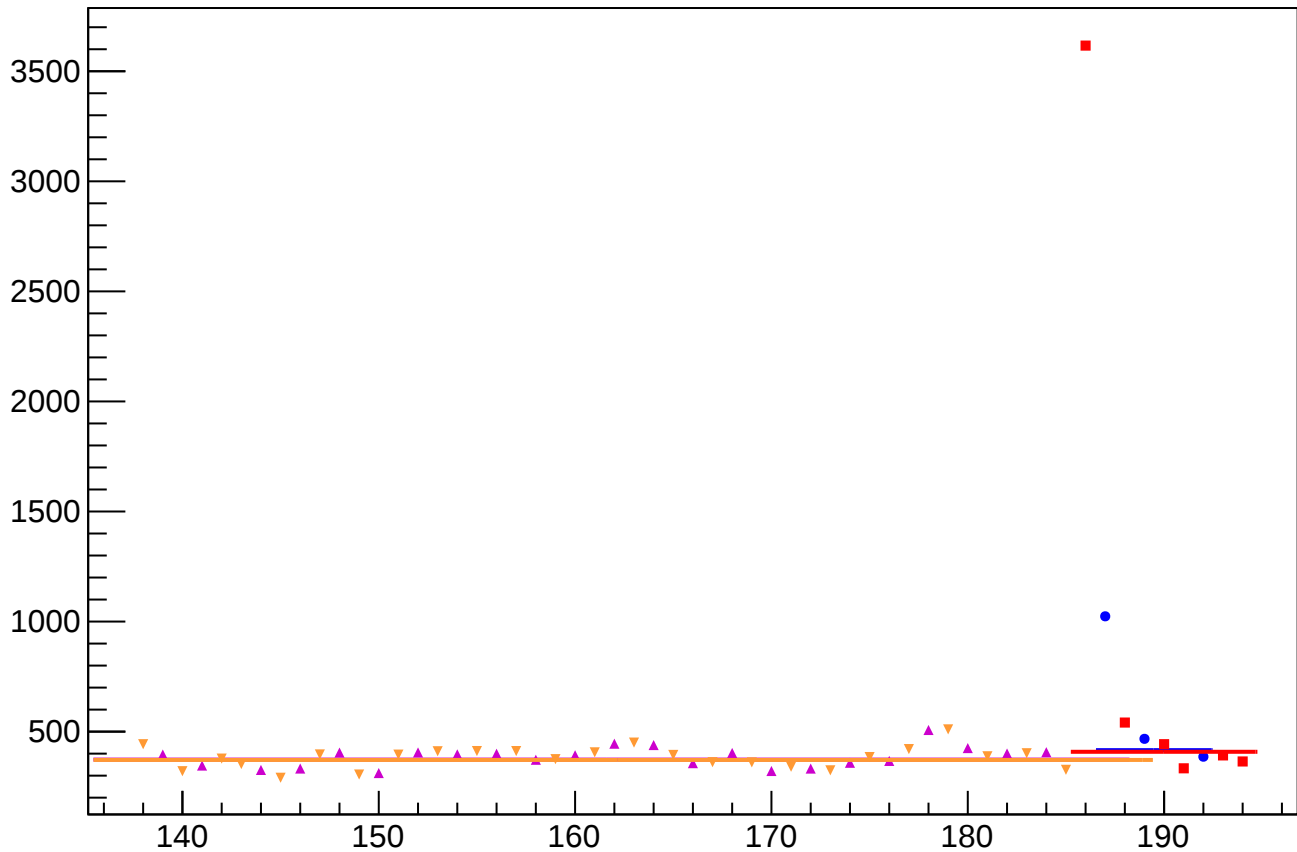
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -340.038 ± 84.878 χ^2/NDF : 28.2/27

All: -241.159 ± 59.745 χ^2/NDF : 65.5/56

- sign -144.056 ± 84.113 χ^2/NDF : 34.6/28

asym_sam_37_48_dd_rms vs Slug



Right In: 415.878+/-0.249 χ^2/NDF : 125694.7/2

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 408.371+/-0.166 χ^2/NDF : 737666.6/5

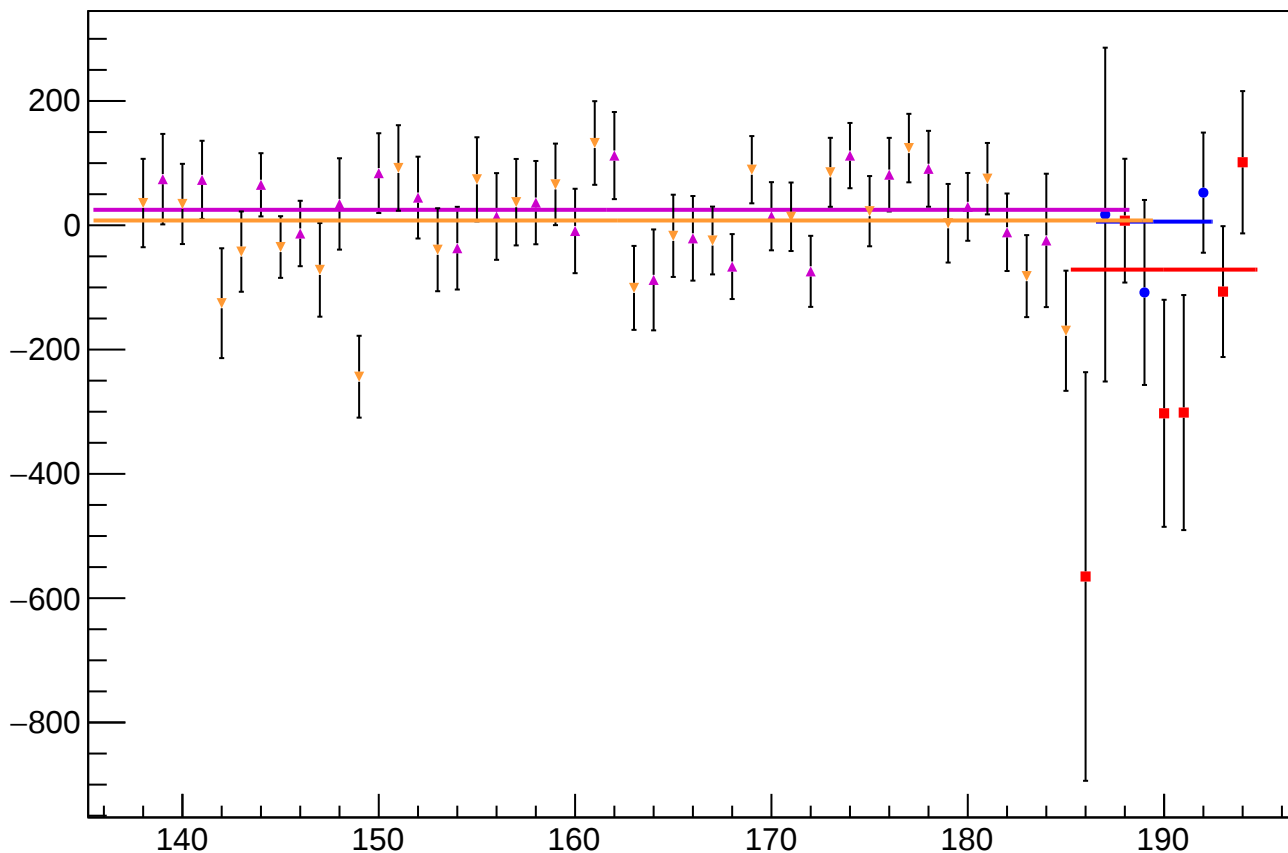
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 373.936+/-0.060 χ^2/NDF : 759808.9/27

All: 375.724+/-0.042 χ^2/NDF : 2006237.3/56

- sign 377.479+/-0.059 χ^2/NDF : 1244669.8/28

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 5.879 ± 77.611 $\chi^2/\text{NDF}: 0.8/2$

Left Out: 7.723 ± 12.656 $\chi^2/\text{NDF}: 45.4/24$

Right Out: -71.333 ± 54.673 $\chi^2/\text{NDF}: 8.4/5$

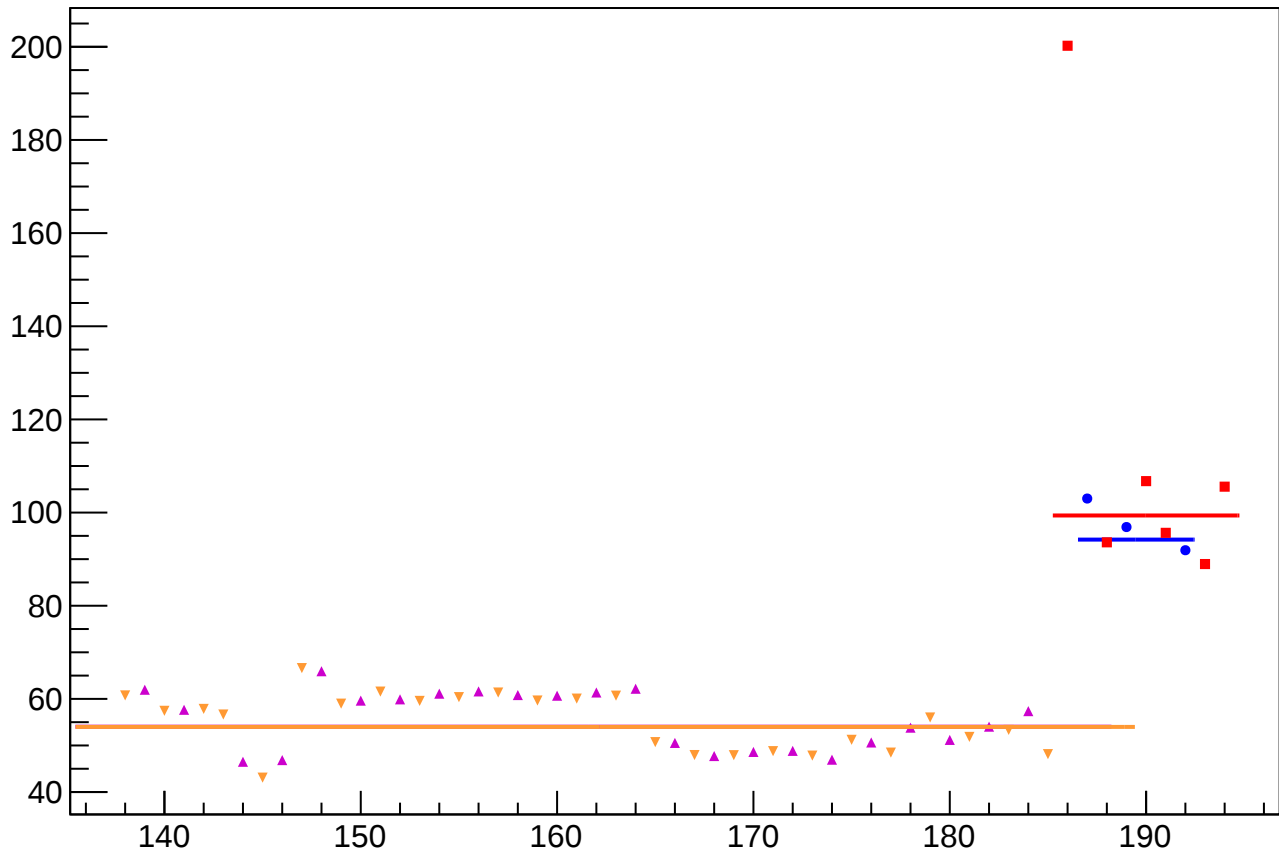
Left In: 24.887 ± 13.029 $\chi^2/\text{NDF}: 19.7/22$

+ sign 7.676 ± 12.491 $\chi^2/\text{NDF}: 46.2/27$

All: 13.609 ± 8.896 $\chi^2/\text{NDF}: 77.7/56$

- sign 19.717 ± 12.674 $\chi^2/\text{NDF}: 31.0/28$

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 94.198 $\pm$ 0.055 χ^2 /NDF: 3922.3/2

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 99.378 $\pm$ 0.039 χ^2 /NDF: 224408.2/5

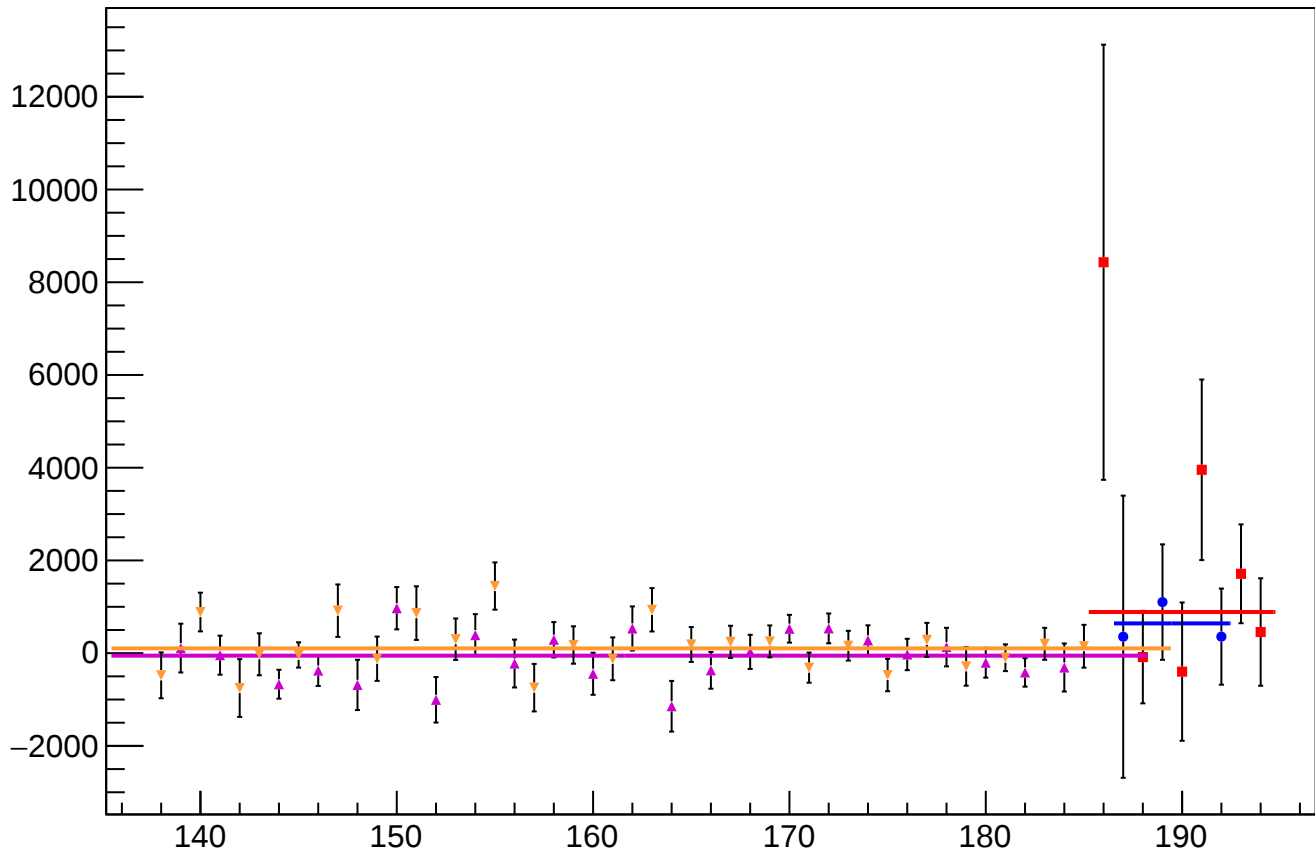
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 55.025 $\pm$ 0.009 χ^2 /NDF: 985955.9/27

All: 55.735 $\pm$ 0.006 χ^2 /NDF: 2969381.1/56

- sign 56.465 $\pm$ 0.009 χ^2 /NDF: 1970340.1/28

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 642.125 $\pm$ 770.747 χ^2/NDF : 0.2/2

Left Out: 103.768 $\pm$ 79.344 χ^2/NDF : 31.0/24

Right Out: 887.844 $\pm$ 543.274 χ^2/NDF : 7.5/5

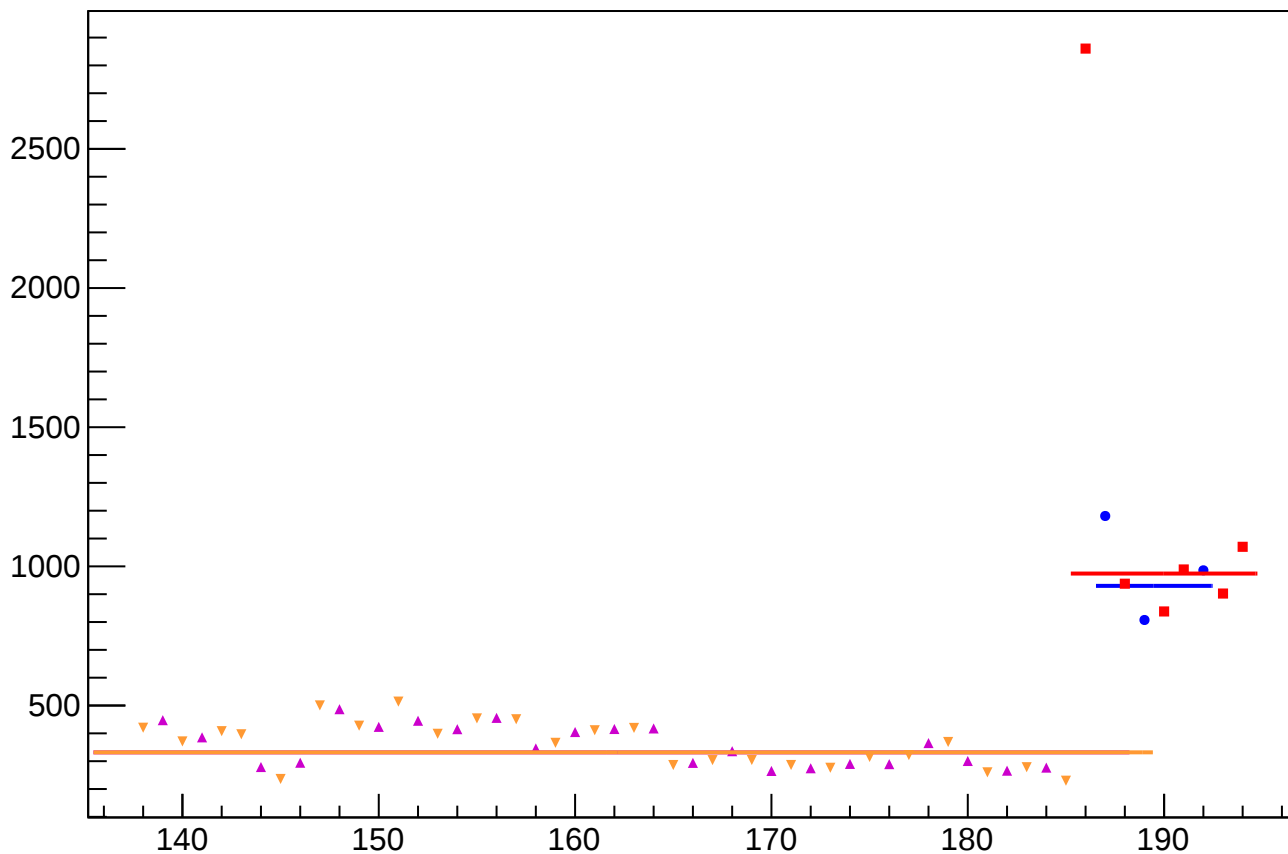
Left In: -53.493 $\pm$ 81.201 χ^2/NDF : 34.1/22

+ sign 109.413 $\pm$ 78.927 χ^2/NDF : 31.7/27

All: 39.480 $\pm$ 56.292 χ^2/NDF : 77.8/56

- sign -32.923 $\pm$ 80.309 χ^2/NDF : 44.5/28

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 929.945+/-0.545 χ^2/NDF : 38807.3/2

Left Out: 331.770+/-0.056 χ^2/NDF : 1711721.9/24

Right Out: 974.171+/-0.384 χ^2/NDF : 365417.5/5

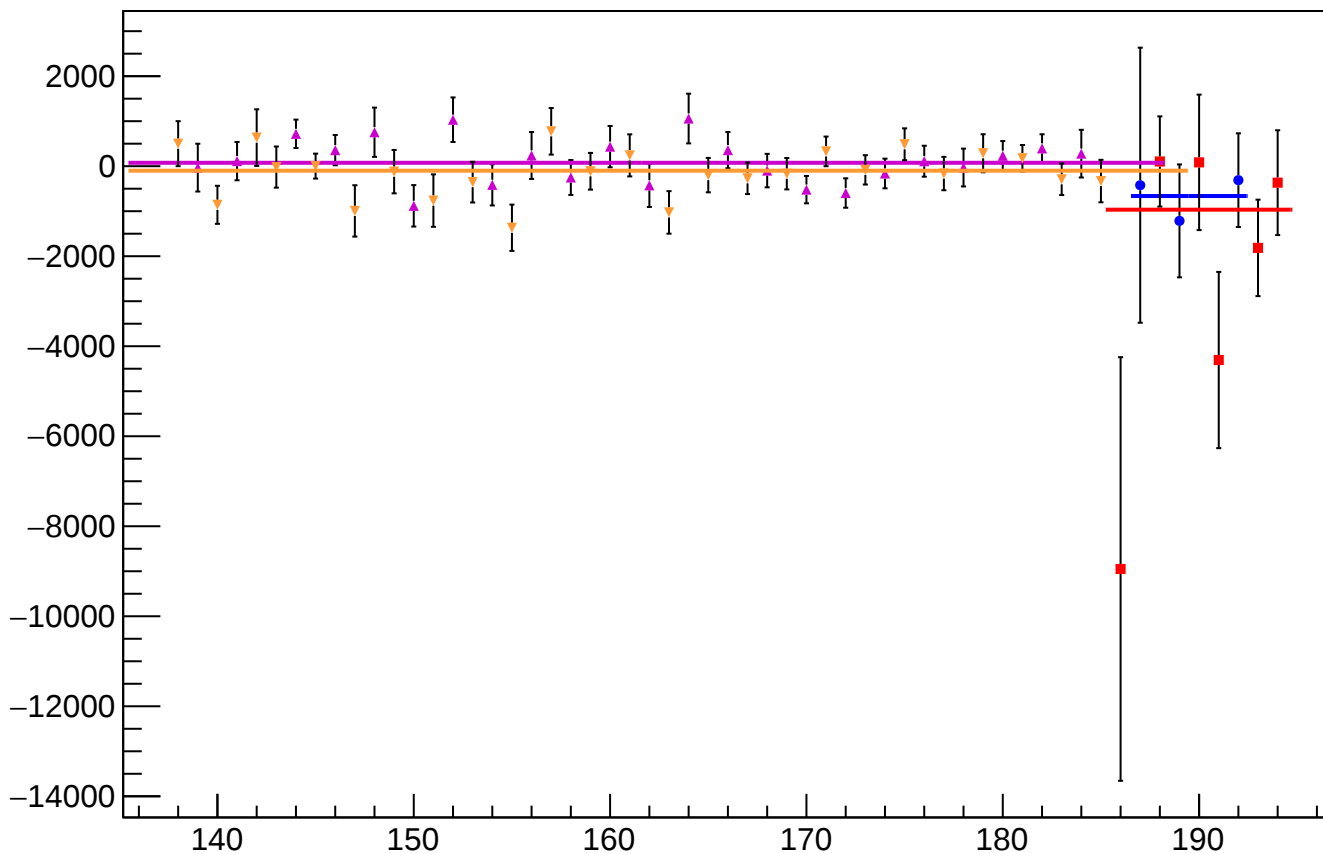
Left In: 331.666+/-0.057 χ^2/NDF : 1303192.2/22

+ sign 338.043+/-0.056 χ^2/NDF : 2942552.7/27

All: 341.808+/-0.040 χ^2/NDF : 7356637.8/56

- sign 345.706+/-0.057 χ^2/NDF : 4404823.1/28

asym_sam_15_26_dd_mean vs Slug



Right In: -662.958 $\pm$ 775.044 χ^2 /NDF: 0.3/2

Left Out: -99.785 $\pm$ 80.428 χ^2 /NDF:30.7/24

Right Out: -966.373 $\pm$ 546.338 χ^2 /NDF: 8.3/5

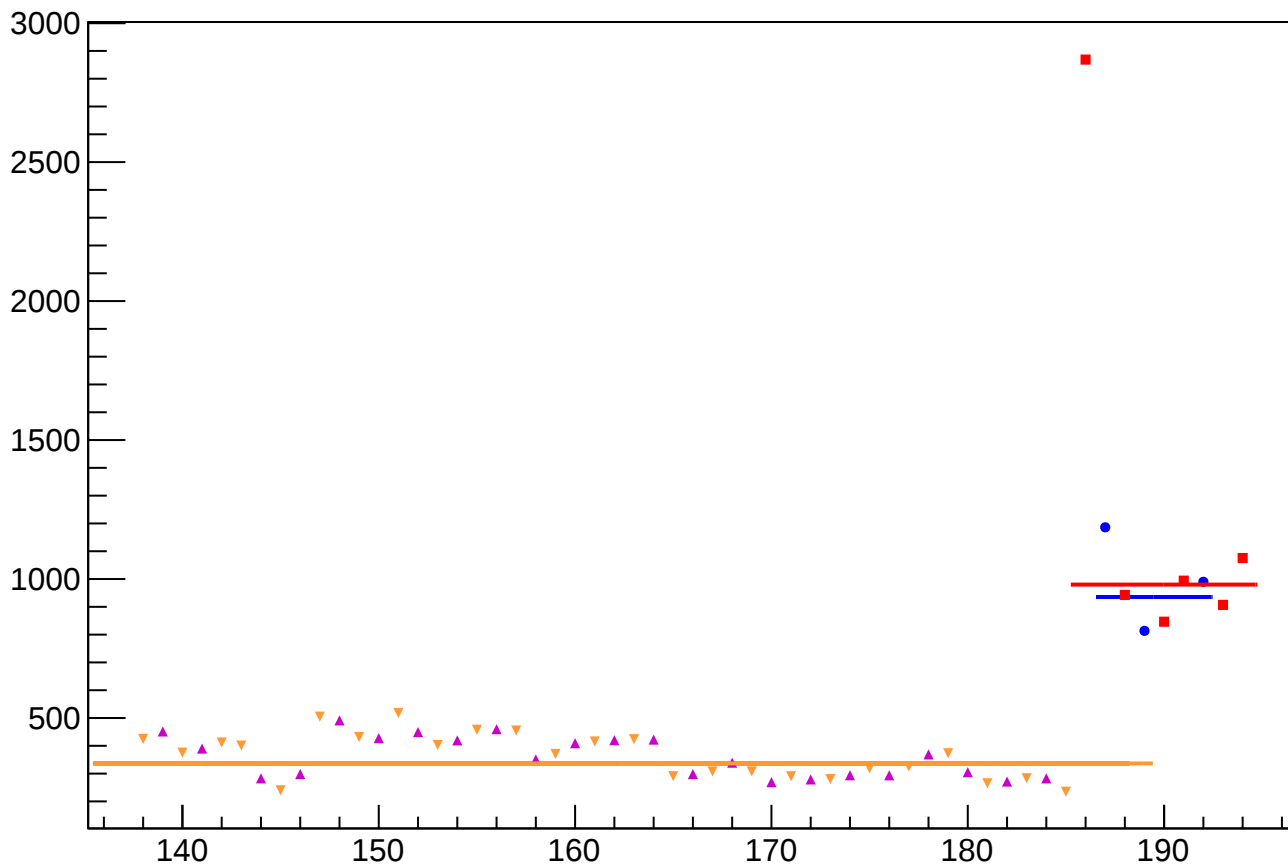
Left In: 75.579 $\pm$ 82.319 χ^2 /NDF:32.1/22

+ sign -105.785 $\pm$ 79.998 χ^2 /NDF: 31.5/27

All: -28.042 $\pm$ 57.056 χ^2 /NDF: 77.4/56

- sign 52.449 $\pm$ 81.400 χ^2 /NDF: 44.0/28

asym_sam_15_26_dd_rms vs Slug



Right In: 935.316 $\pm$ 0.548 χ^2 /NDF: 37851.4/2

Left Out: 336.557 $\pm$ 0.057 χ^2 /NDF: 1665919.4/24

Right Out: 979.968 $\pm$ 0.386 χ^2 /NDF: 363512.3/5

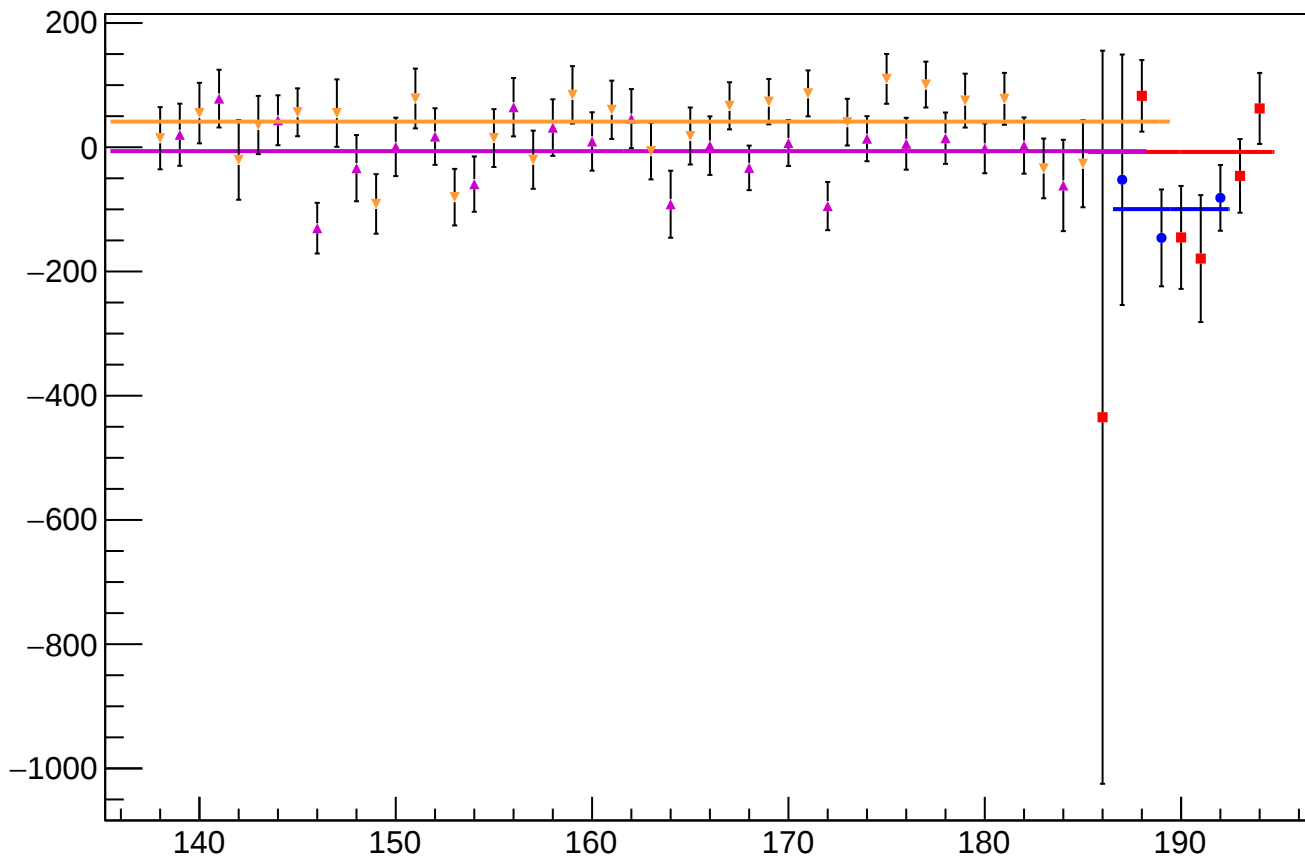
Left In: 336.439 $\pm$ 0.058 χ^2 /NDF: 1269066.3/22

+ sign 342.937 $\pm$ 0.057 χ^2 /NDF: 2884711.6/27

All: 346.763 $\pm$ 0.040 χ^2 /NDF: 7239872.2/56

- sign 350.725 $\pm$ 0.058 χ^2 /NDF: 4345847.2/28

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -99.596 ± 42.786 χ^2/NDF : 0.5/2

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -7.575 ± 29.673 χ^2/NDF : 10.5/5

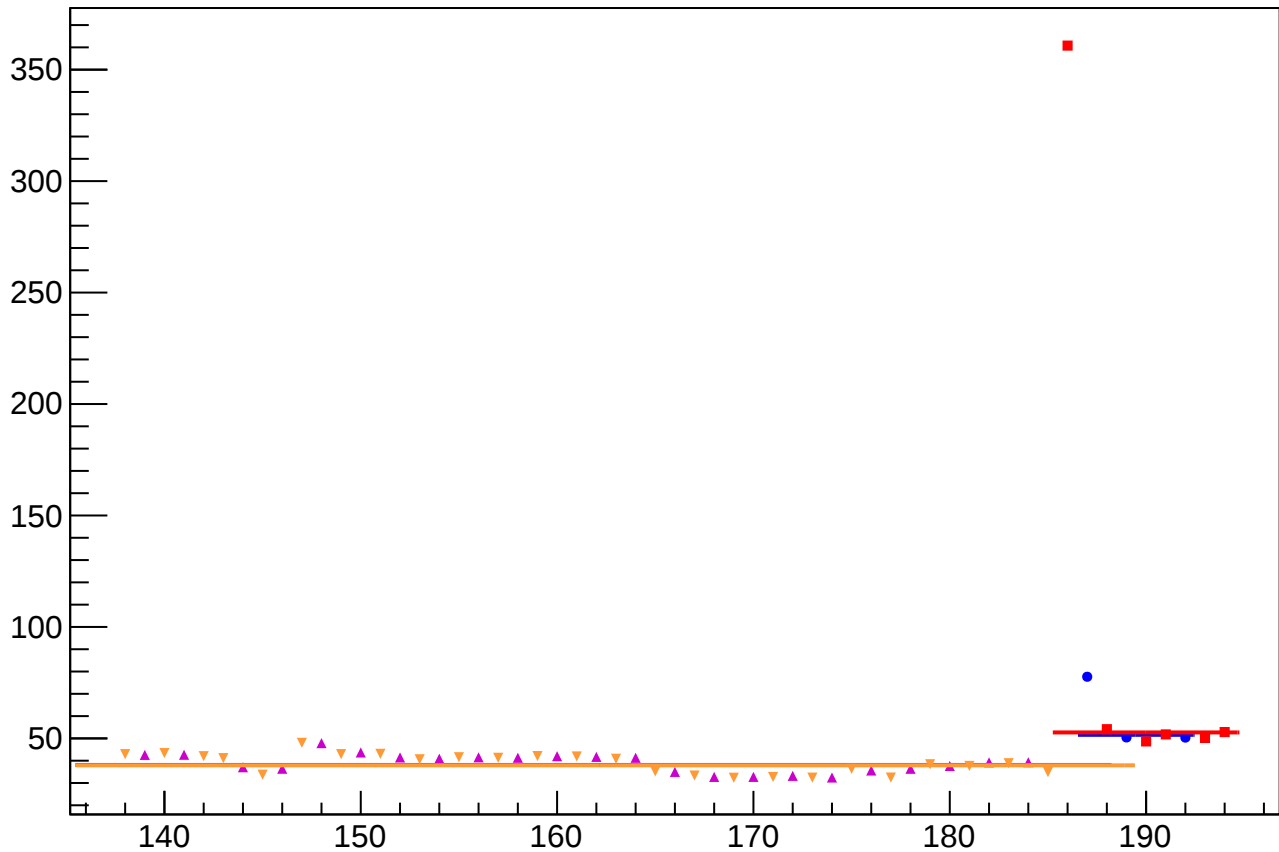
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 35.454 ± 8.703 χ^2/NDF : 45.3/27

All: 14.690 ± 6.176 χ^2/NDF : 97.5/56

- sign -6.369 ± 8.765 χ^2/NDF : 40.8/28

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 51.615 $\pm$ 0.030 χ^2 /NDF: 34947.7/2

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 52.679 $\pm$ 0.021 χ^2 /NDF: 554856.6/5

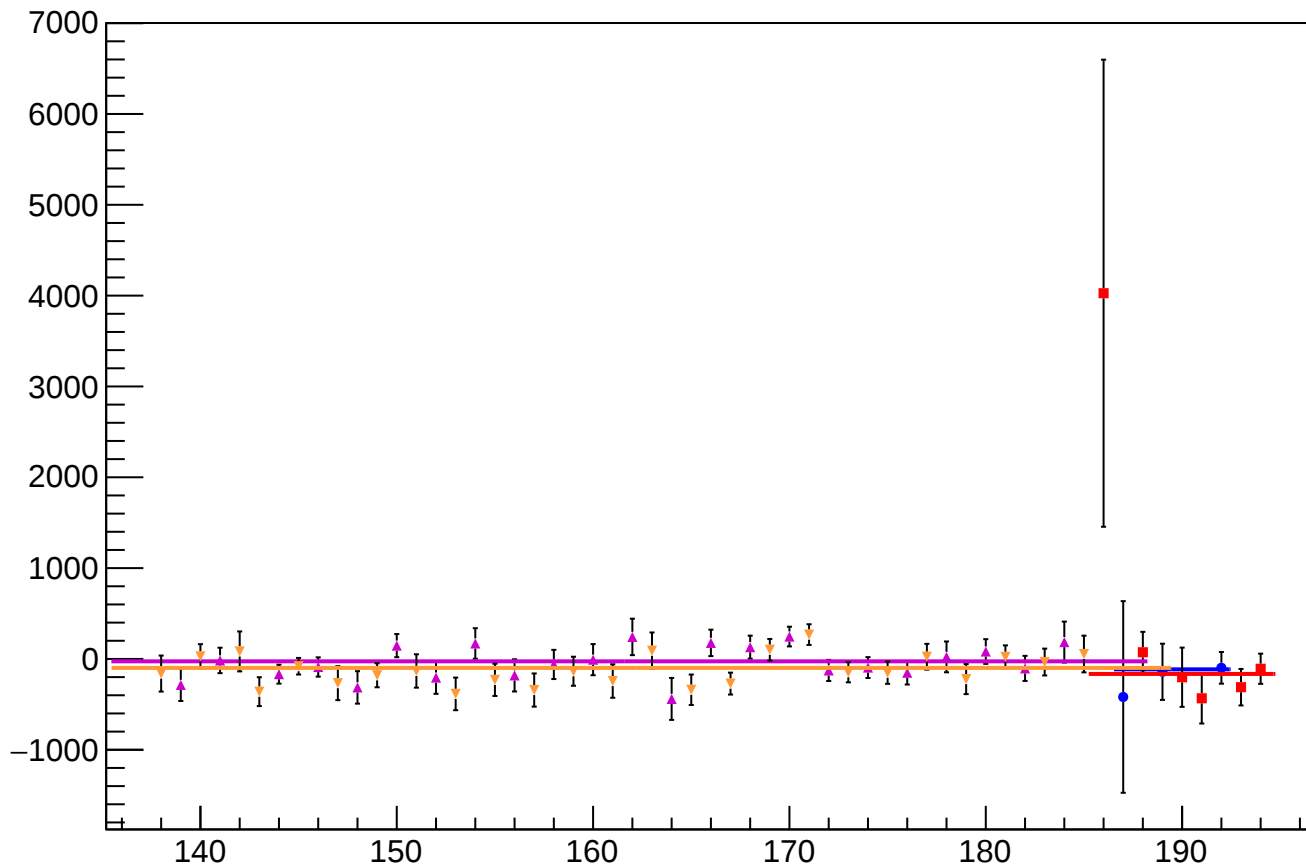
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 38.492 $\pm$ 0.006 χ^2 /NDF: 718314.2/27

All: 38.923 $\pm$ 0.004 χ^2 /NDF: 2120853.5/56

- sign 39.361 $\pm$ 0.006 χ^2 /NDF: 1392640.5/28

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -114.598+/-150.291 χ^2/NDF : 0.1/2

Left Out: -98.741+/-29.095 χ^2/NDF :32.7/24

Right Out: -165.050+/-98.375 χ^2/NDF : 5.4/5

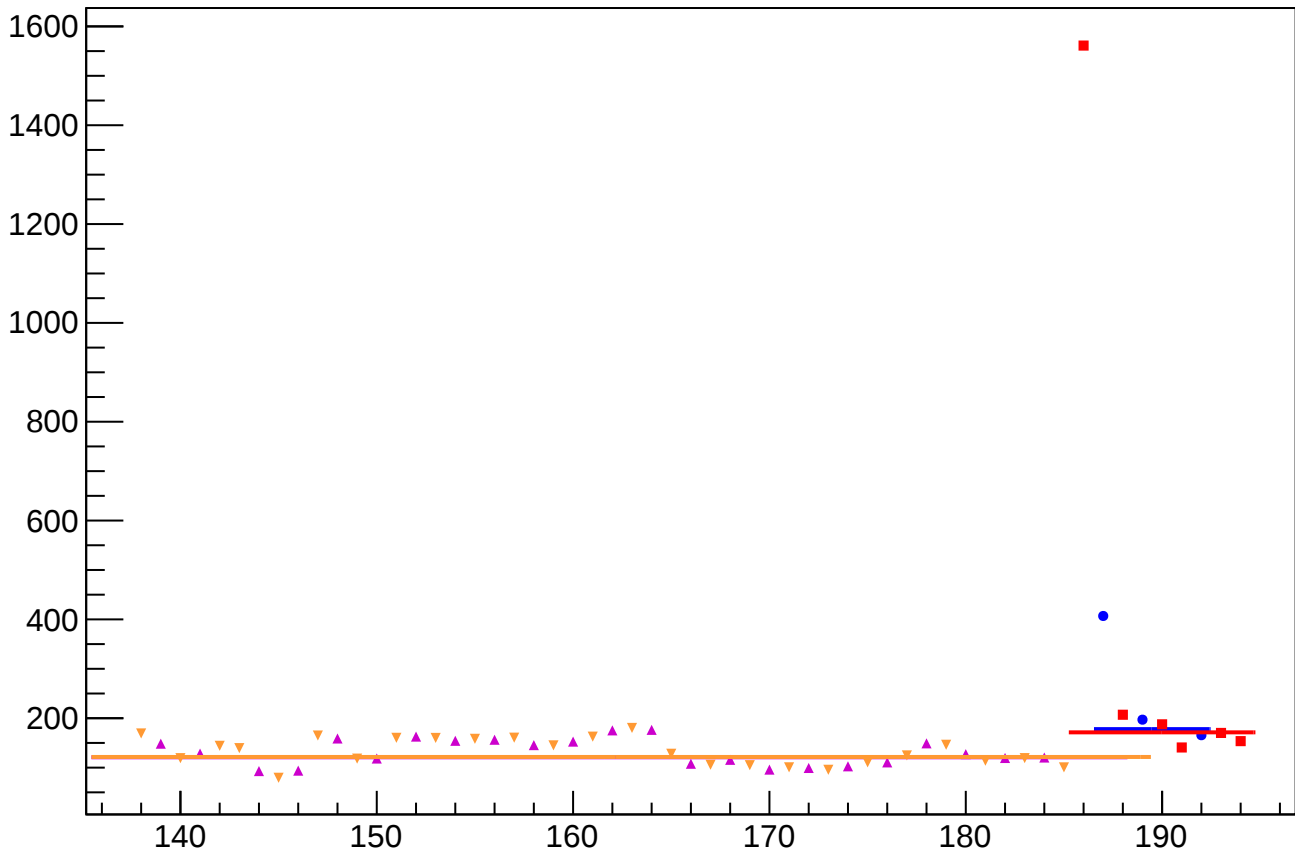
Left In: -26.223+/-29.676 χ^2/NDF :30.7/22

+ sign -99.314+/-28.565 χ^2/NDF : 32.9/27

All: -68.392+/-20.144 χ^2/NDF : 73.1/56

- sign -37.802+/-28.411 χ^2/NDF : 37.9/28

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 177.930 $\pm$ 0.106 χ^2 /NDF: 111853.1/2

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF:1711423.9/24

Right Out: 171.398 $\pm$ 0.070 χ^2 /NDF: 686923.4/5

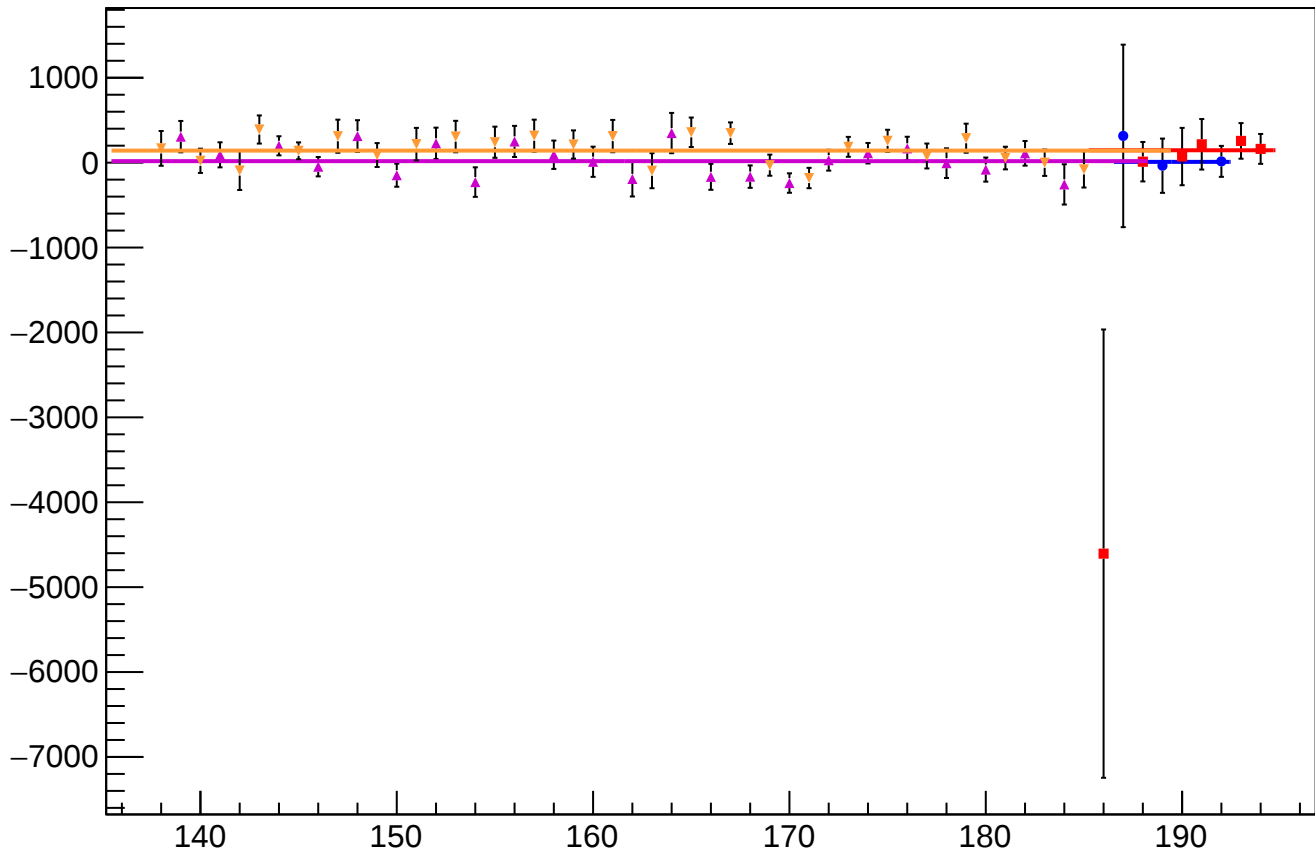
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF:1382861.4/22

+ sign 123.627 $\pm$ 0.020 χ^2 /NDF: 2094168.6/27

All: 124.386 $\pm$ 0.014 χ^2 /NDF: 4649293.6/56

- sign 125.137 $\pm$ 0.020 χ^2 /NDF: 2552317.8/28

asym_sam_37_26_dd_mean vs Slug



Right In: 9.231 ± 156.643 χ^2/NDF : 0.1/2

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: 145.860 ± 103.264 χ^2/NDF : 4.0/5

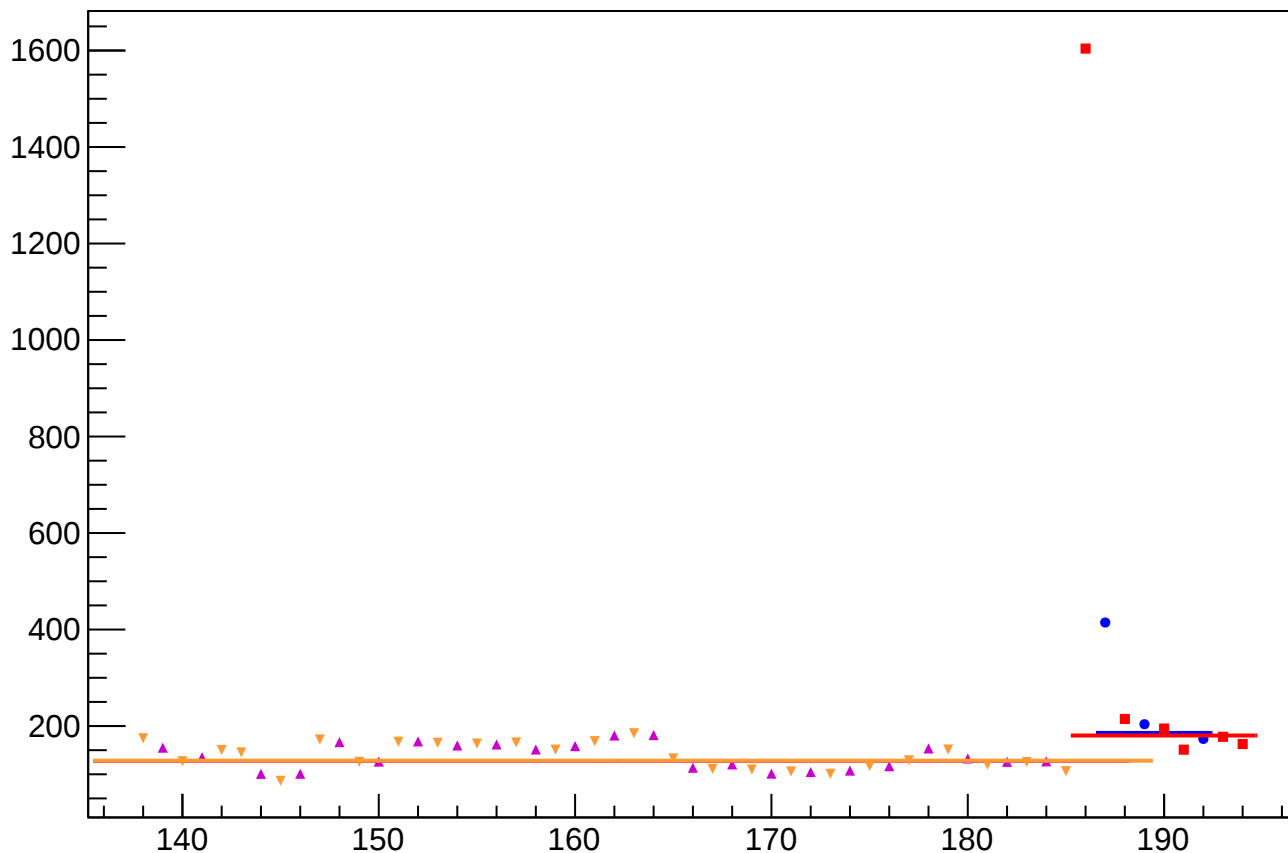
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 137.141 ± 30.008 χ^2/NDF : 27.7/27

All: 82.531 ± 21.171 χ^2/NDF : 69.8/56

- sign 28.407 ± 29.874 χ^2/NDF : 35.5/28

asym_sam_37_26_dd_rms vs Slug



Right In: 185.733 $\pm$ 0.111 χ^2 /NDF: 106352.0/2

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF: 1532922.0/24

Right Out: 180.379 $\pm$ 0.073 χ^2 /NDF: 668658.6/5

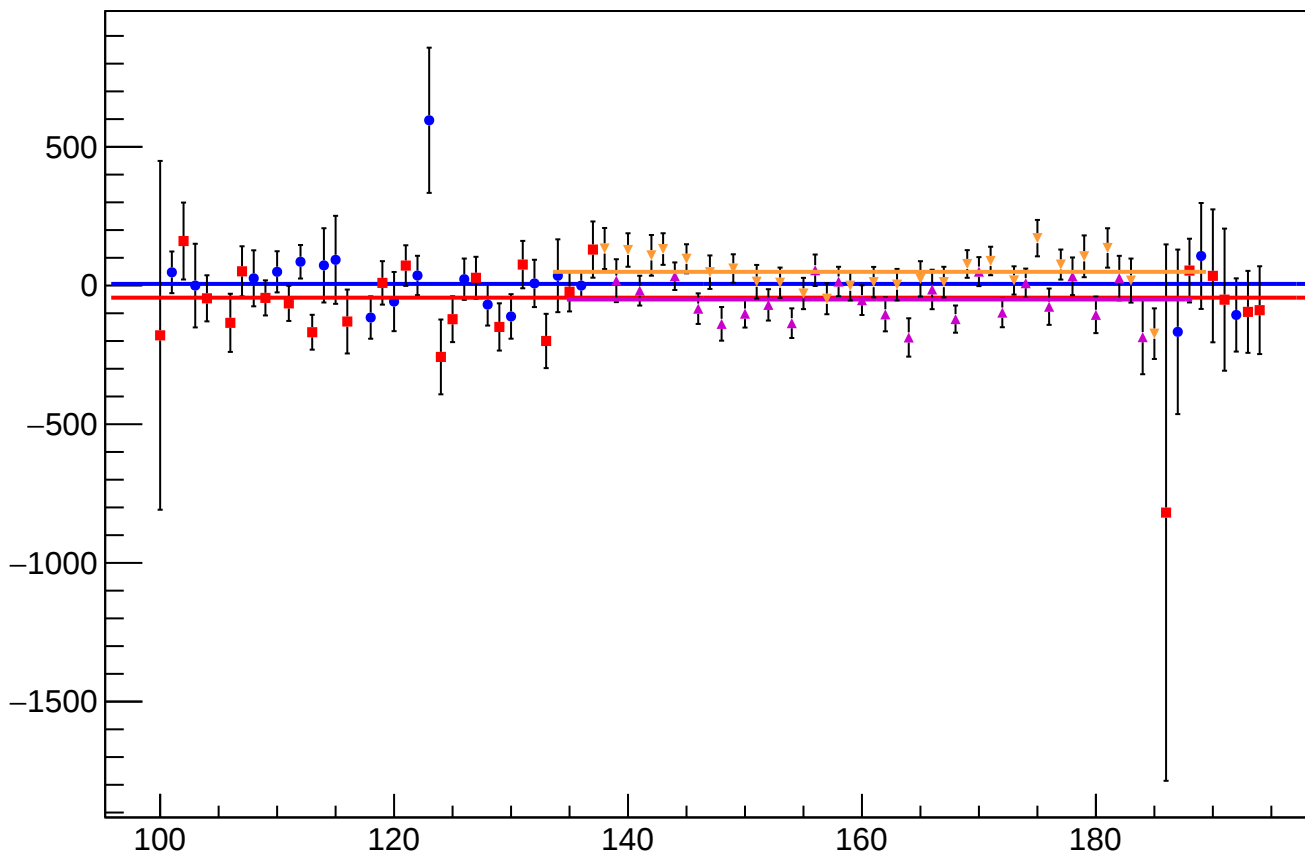
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF: 1235705.3/22

+ sign 130.287 $\pm$ 0.021 χ^2 /NDF: 1899401.0/27

All: 131.130 $\pm$ 0.015 χ^2 /NDF: 4286659.8/56

- sign 131.966 $\pm$ 0.021 χ^2 /NDF: 2384117.1/28

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.883 ± 19.801 χ^2/NDF : 15.7/19

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -43.740 ± 18.777 χ^2/NDF : 26.6/24

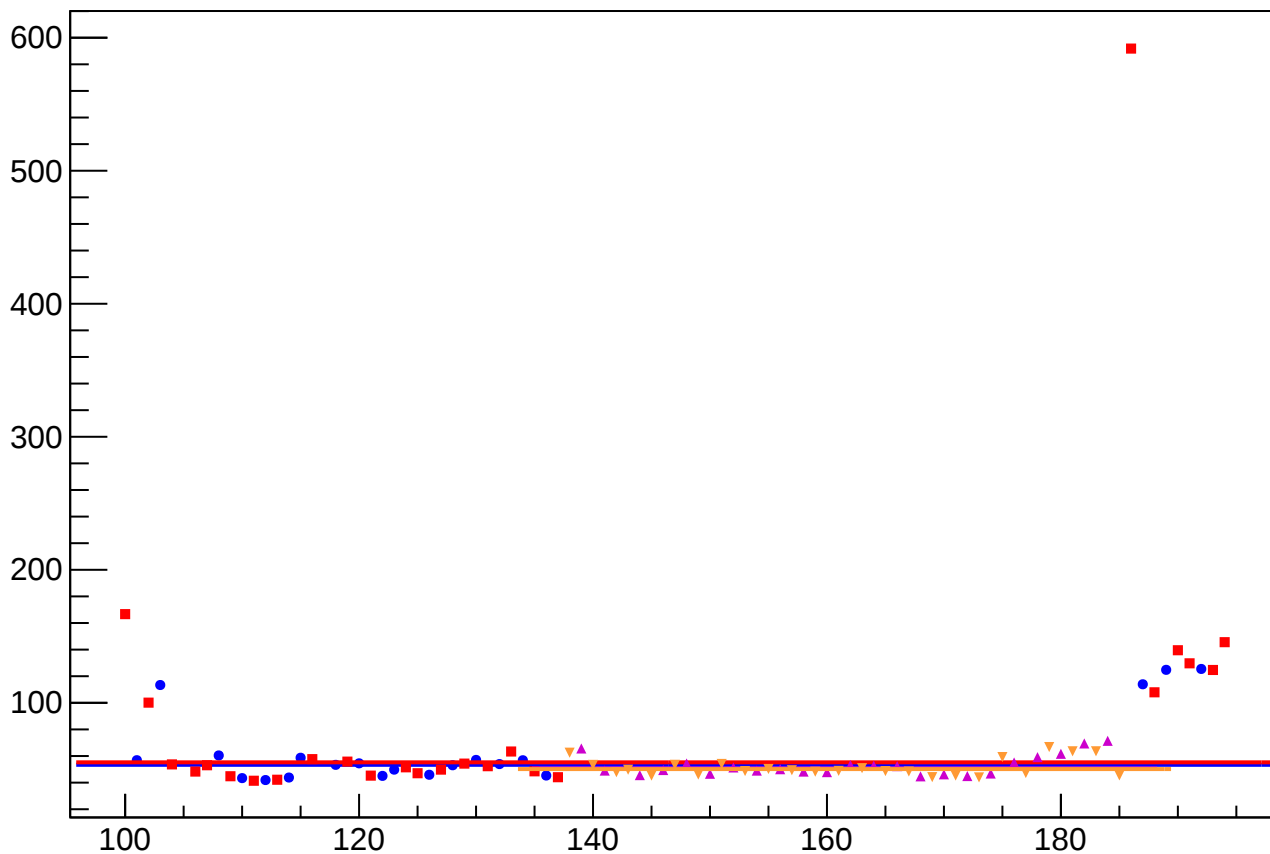
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 37.989 ± 10.140 χ^2/NDF : 47.3/44

All: -4.672 ± 7.213 χ^2/NDF : 142.1/92

- sign -48.362 ± 10.262 χ^2/NDF : 58.9/47

reg_asym_sam_1357_avg_rms vs Slug



Right In: 53.400 $\pm$ 0.014 χ^2 /NDF: 1516607.5/19

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 55.259 $\pm$ 0.013 χ^2 /NDF: 3192911.4/24

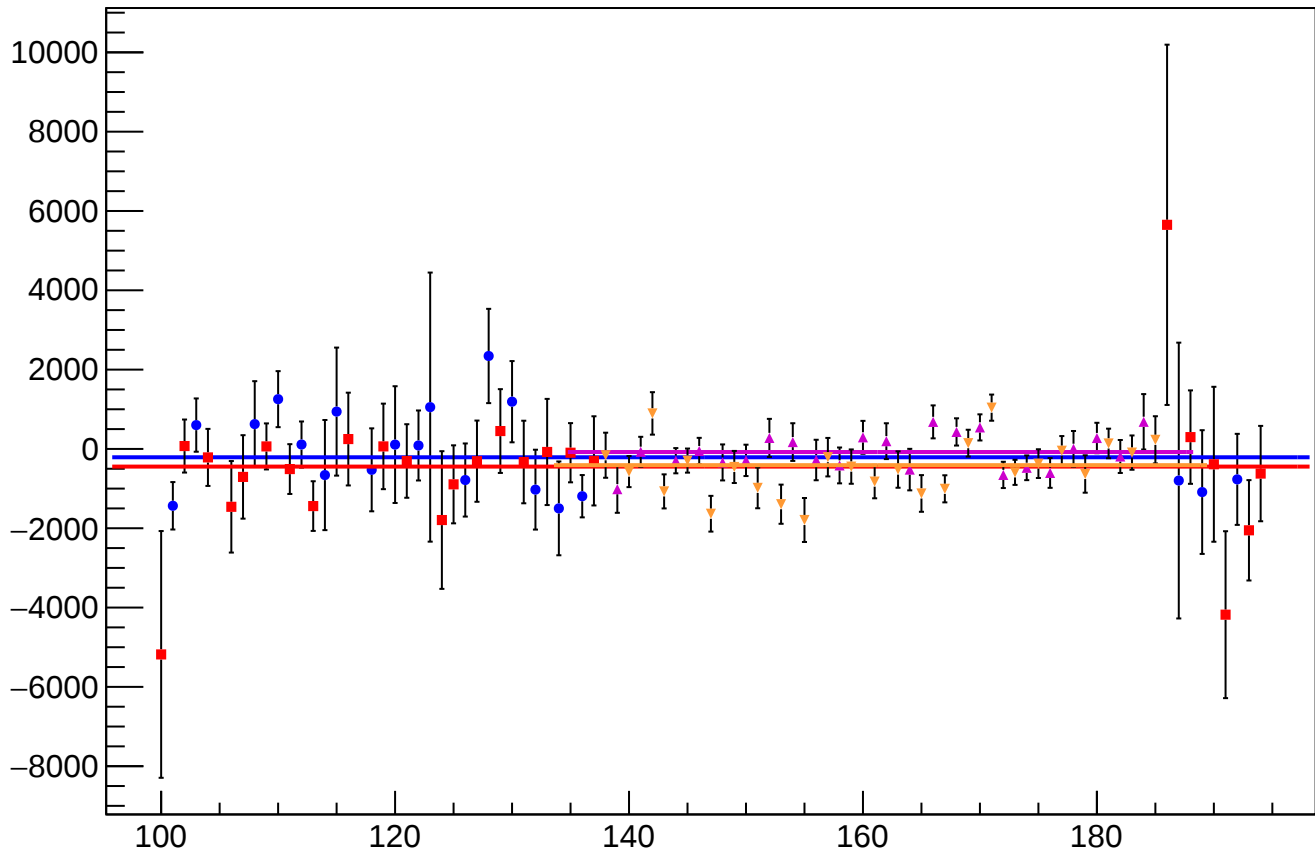
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 51.031 $\pm$ 0.007 χ^2 /NDF: 2023085.6/44

All: 51.535 $\pm$ 0.005 χ^2 /NDF: 5778563.7/92

- sign 52.050 $\pm$ 0.007 χ^2 /NDF: 3745512.8/47

asym_sam_1357_avg_correction_mean vs Slug



Right In: -210.292 ± 205.048 χ^2/NDF : 24.5/19

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -445.315 ± 193.919 χ^2/NDF : 16.6/24

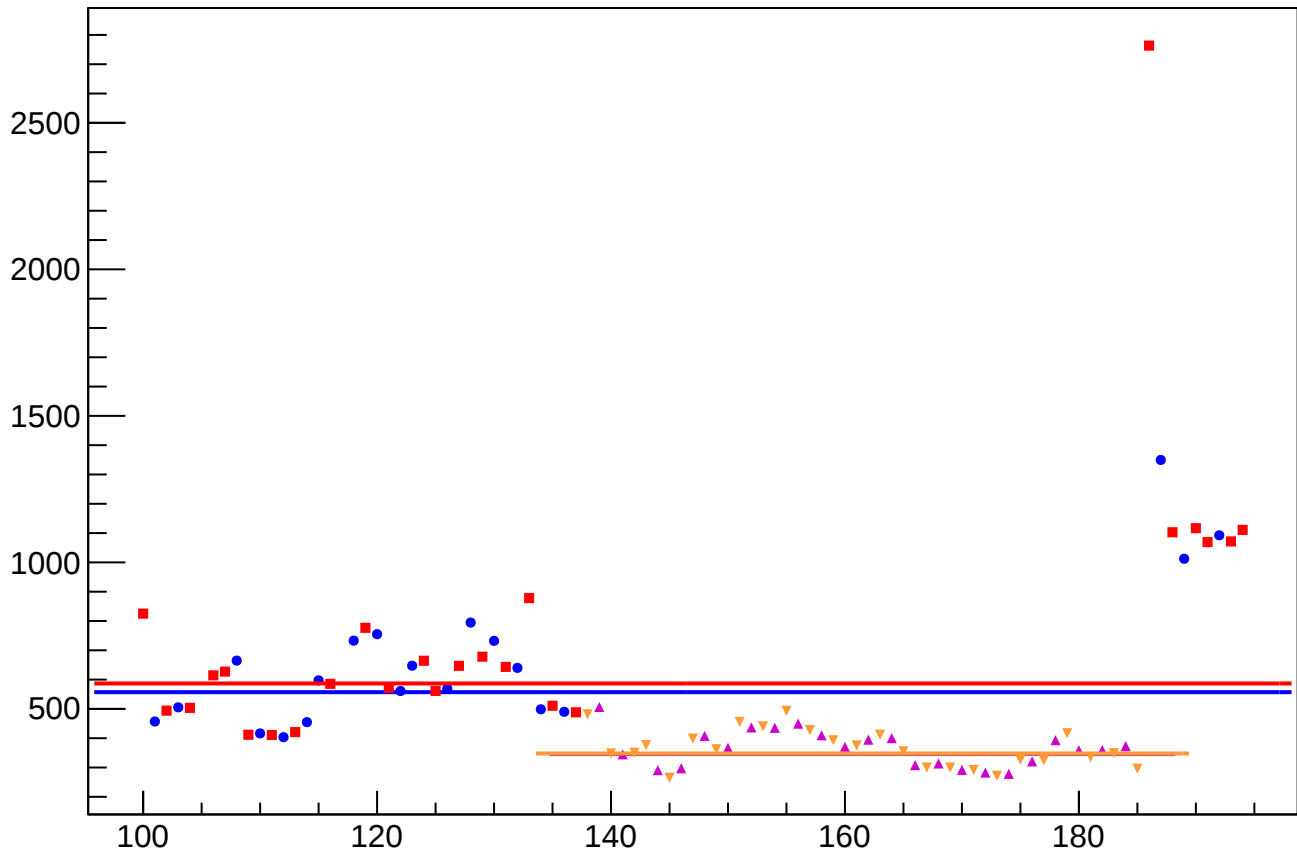
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -381.543 ± 76.416 χ^2/NDF : 87.0/44

All: -259.926 ± 54.287 χ^2/NDF : 136.6/92

- sign -136.009 ± 77.135 χ^2/NDF : 44.5/47

asym_sam_1357_avg_correction_rms vs Slug



Right In: 557.118 ± 0.145 χ^2/NDF : 1311279.8/19

Left Out: 347.875 ± 0.058 χ^2/NDF : 1044096.7/24

Right Out: 586.777 ± 0.137 χ^2/NDF : 2555555.2/24

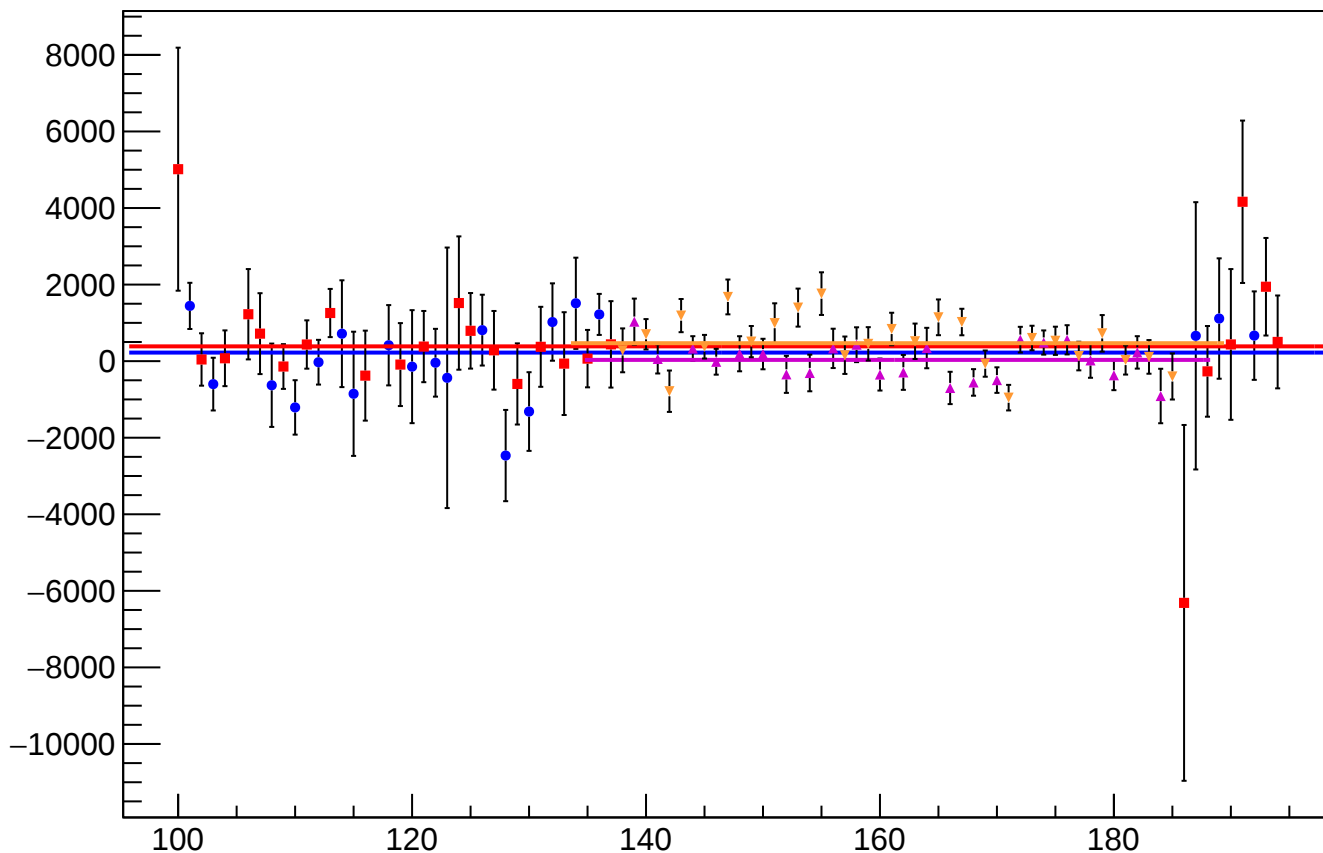
Left In: 345.954 ± 0.059 χ^2/NDF : 900847.0/22

+ sign 376.936 ± 0.054 χ^2/NDF : 4148783.7/44

All: 380.463 ± 0.038 χ^2/NDF : 10210252.9/92

- sign 384.057 ± 0.055 χ^2/NDF : 6052866.2/47

asym_sam_1357_avg_mean vs Slug



Right In: 223.709 $\pm$ 206.492 χ^2 /NDF: 24.6/19

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF: 57.5/24

Right Out: 386.213 $\pm$ 195.415 χ^2 /NDF: 15.3/24

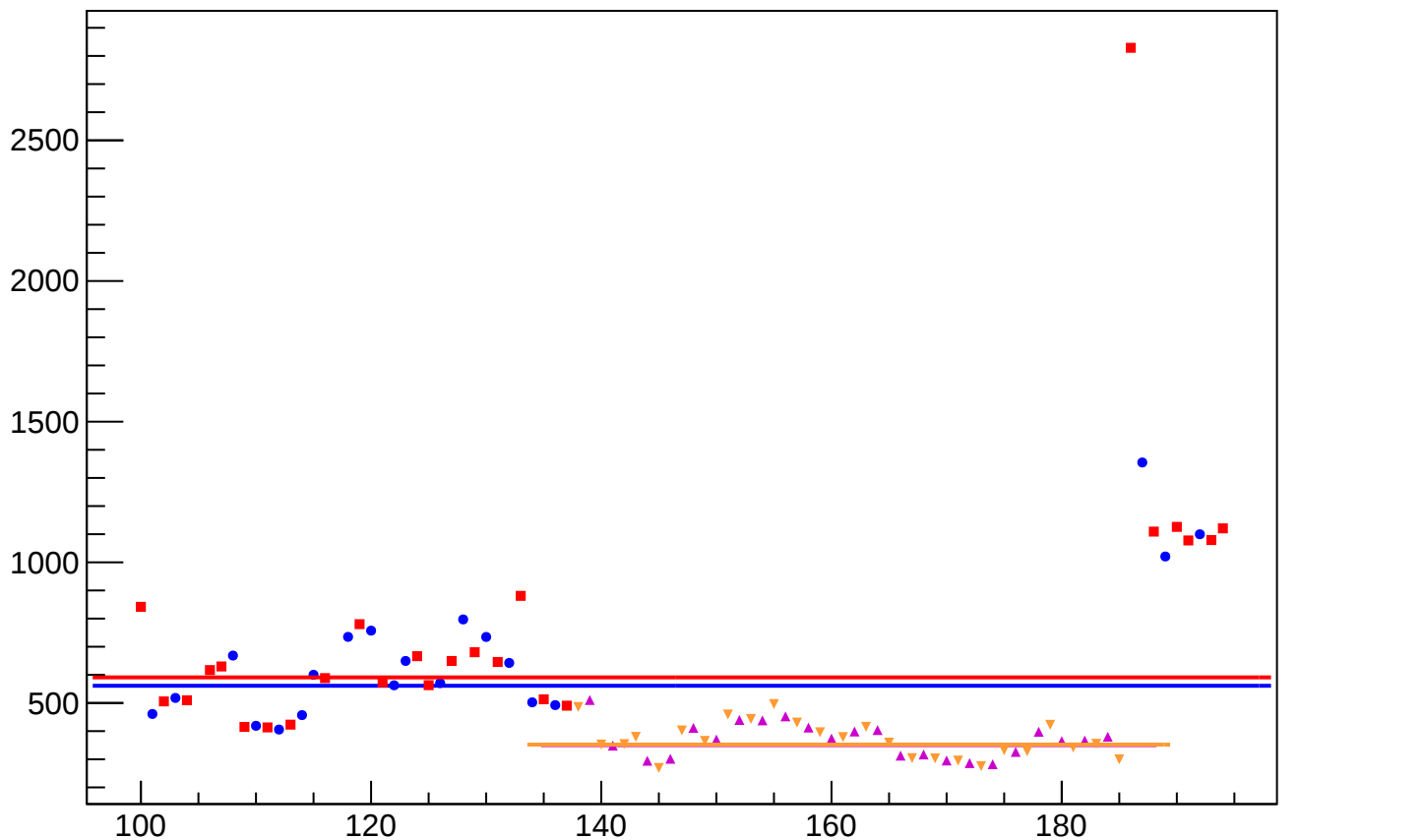
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 434.554 $\pm$ 77.247 χ^2 /NDF: 83.4/44

All: 263.489 $\pm$ 54.884 χ^2 /NDF: 137.0/92

- sign 89.099 $\pm$ 77.995 χ^2 /NDF: 43.8/47

asym_sam_1357_avg_rms vs Slug



Right In: 561.216 $\pm$ 0.146 χ^2 /NDF: 1303098.6/19

Left Out: 352.015 $\pm$ 0.059 χ^2 /NDF: 1017195.6/24

Right Out: 591.039 $\pm$ 0.138 χ^2 /NDF: 2553123.2/24

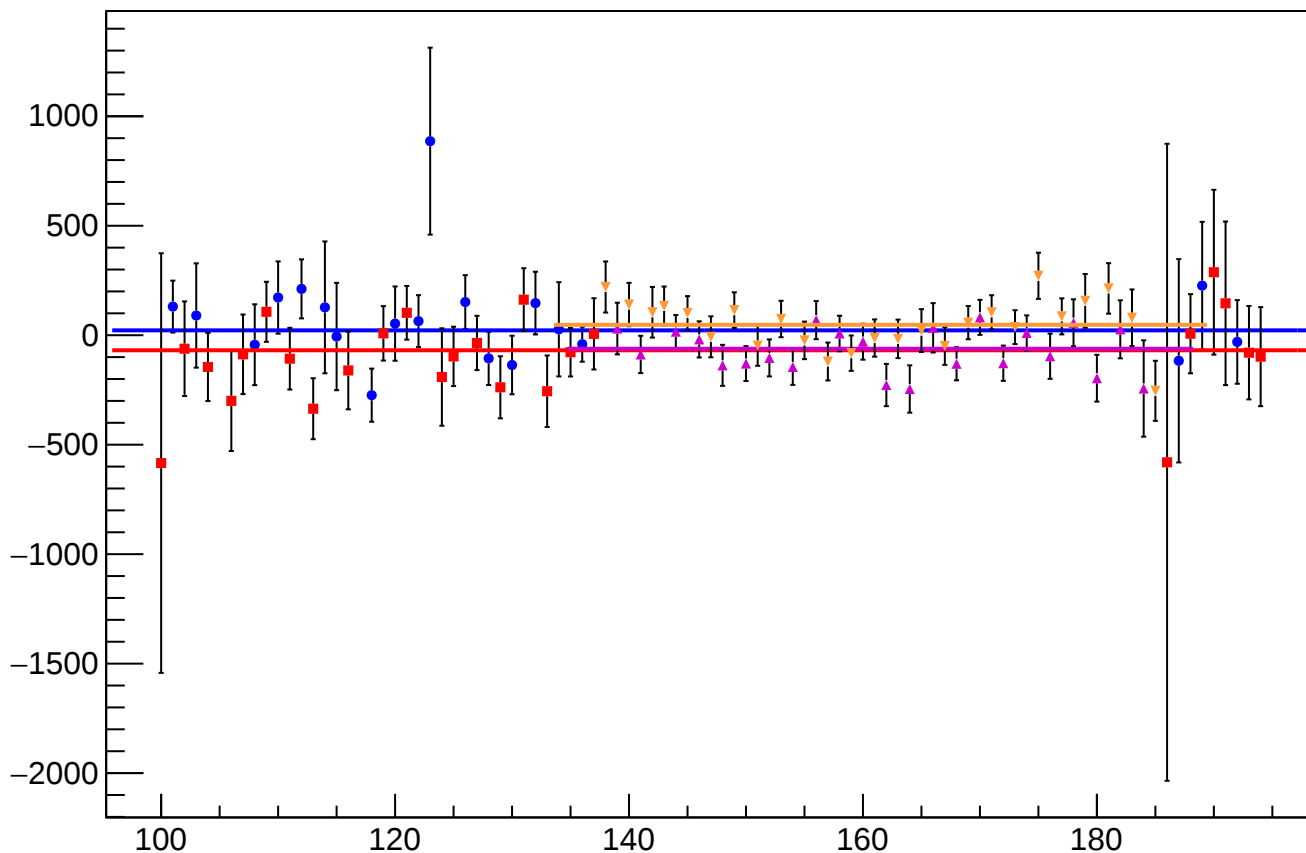
Left In: 350.160 $\pm$ 0.060 χ^2 /NDF: 878380.0/22

+ sign 381.292 $\pm$ 0.055 χ^2 /NDF: 4085844.6/44

All: 384.877 $\pm$ 0.039 χ^2 /NDF: 10080827.6/92

- sign 388.532 $\pm$ 0.055 χ^2 /NDF: 5986282.3/47

reg_asym_sam_2468_avg_mean vs Slug



Right In: 22.208 ± 33.762 χ^2/NDF : 19.9/19

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: -68.774 ± 33.105 χ^2/NDF : 17.1/24

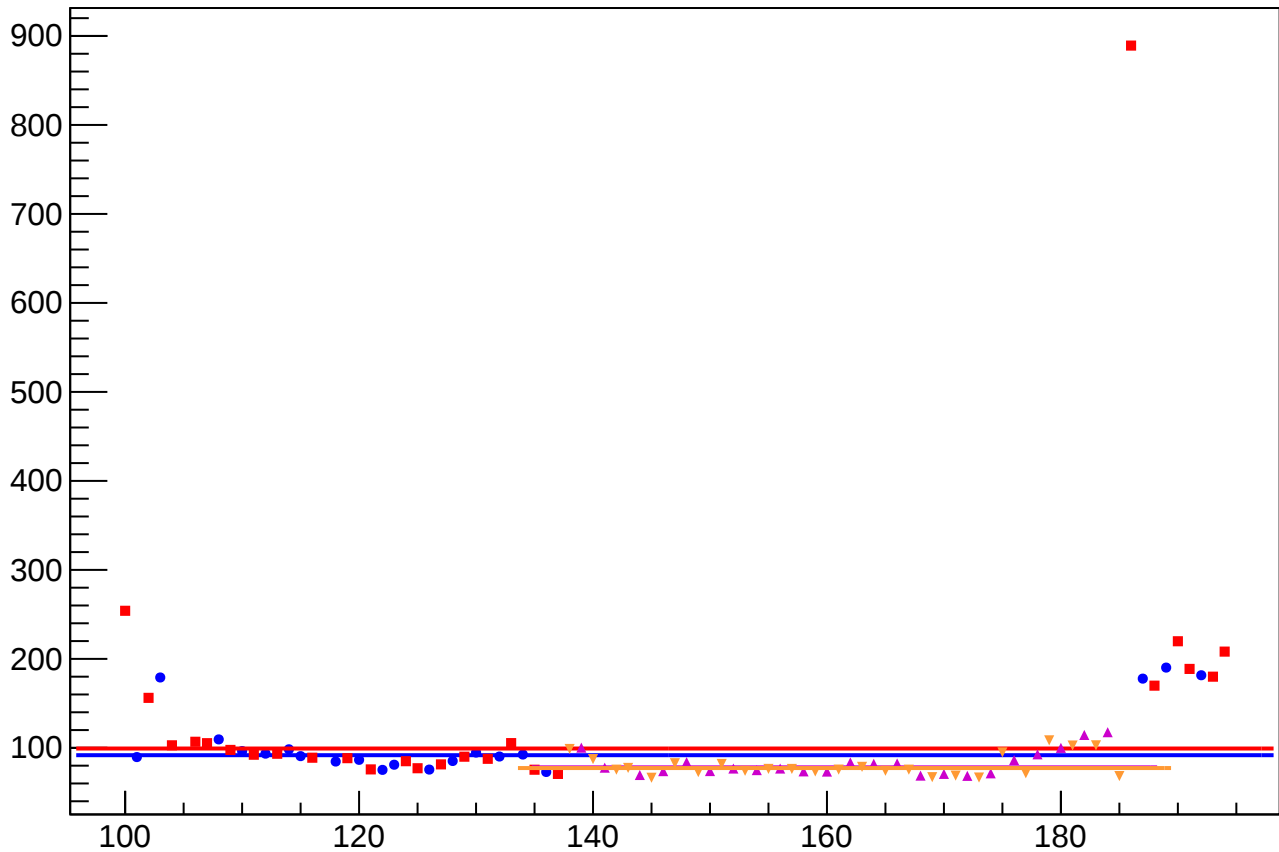
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 41.722 ± 16.056 χ^2/NDF : 49.7/44

All: -9.633 ± 11.491 χ^2/NDF : 111.7/92

- sign -63.545 ± 16.451 χ^2/NDF : 41.1/47

reg_asym_sam_2468_avg_rms vs Slug



Right In: 91.771 ± 0.024 $\chi^2/\text{NDF}: 1231430.7/19$

Left Out: 77.316 ± 0.013 $\chi^2/\text{NDF}: 635622.3/24$

Right Out: 99.270 ± 0.023 $\chi^2/\text{NDF}: 2545279.6/24$

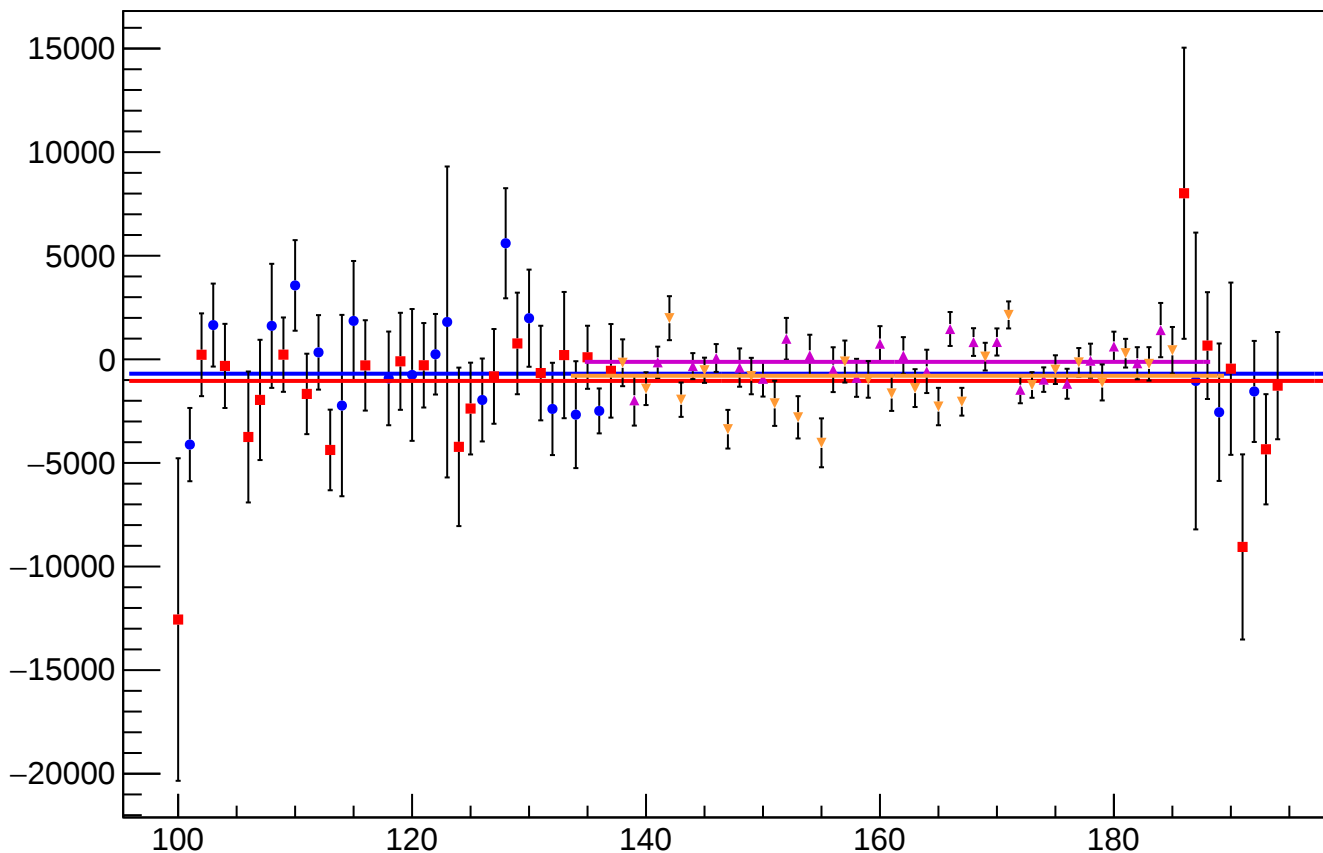
Left In: 78.139 ± 0.013 $\chi^2/\text{NDF}: 582108.1/22$

+ sign 80.586 ± 0.011 $\chi^2/\text{NDF}: 2150744.8/44$

All: 81.938 ± 0.008 $\chi^2/\text{NDF}: 5920884.9/92$

- sign 83.357 ± 0.012 $\chi^2/\text{NDF}: 3741065.4/47$

asym_sam_2468_avg_correction_mean vs Slug



Right In: -693.562 ± 499.862 χ^2/NDF : 22.8/19

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1041.688 ± 480.657 χ^2/NDF : 16.8/24

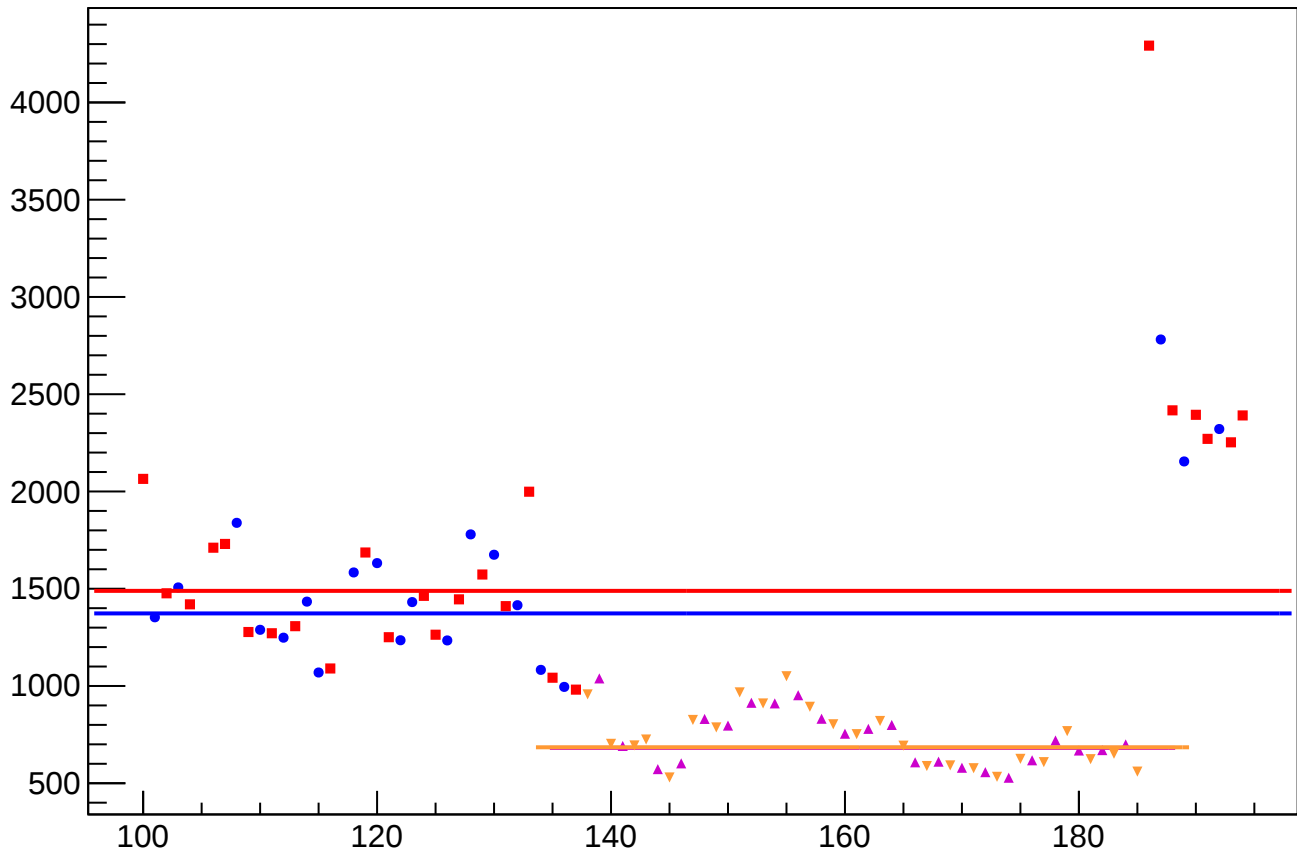
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -783.276 ± 154.676 χ^2/NDF : 89.4/44

All: -506.153 ± 110.209 χ^2/NDF : 141.9/92

- sign -220.386 ± 157.069 χ^2/NDF : 46.0/47

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1373.062 ± 0.353 $\chi^2/\text{NDF}: 982271.0/19$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

Right Out: 1488.984 ± 0.340 $\chi^2/\text{NDF}: 1712707.8/24$

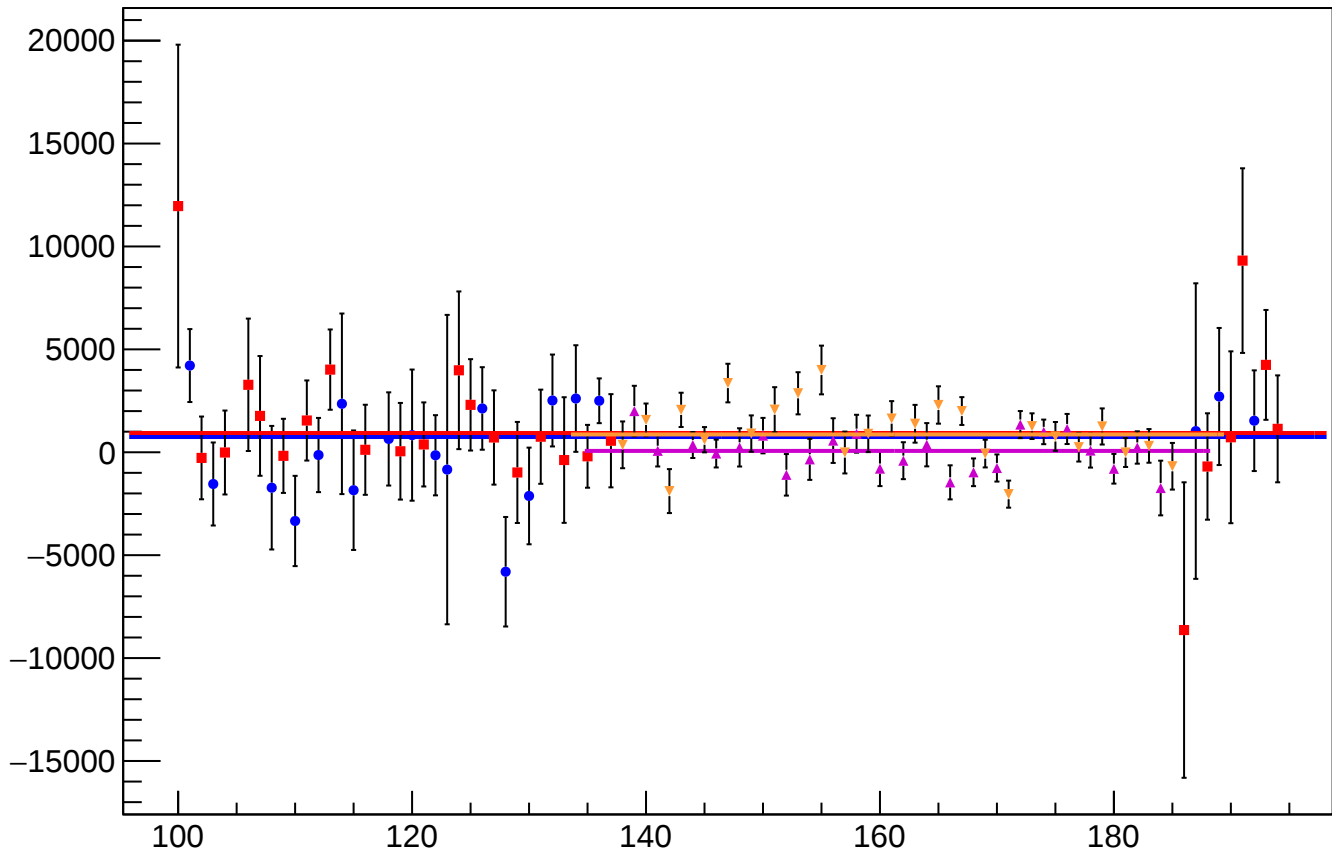
Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

+ sign 750.688 ± 0.109 $\chi^2/\text{NDF}: 5691241.1/44$

All: 759.170 ± 0.078 $\chi^2/\text{NDF}: 13574927.4/92$

- sign 767.917 ± 0.111 $\chi^2/\text{NDF}: 7871469.4/47$

asym_sam_2468_avg_mean vs Slug



Right In: 740.976 $\pm$ 501.304 χ^2 /NDF: 22.9/19

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF: 62.8/24

Right Out: 936.098 $\pm$ 482.303 χ^2 /NDF: 16.1/24

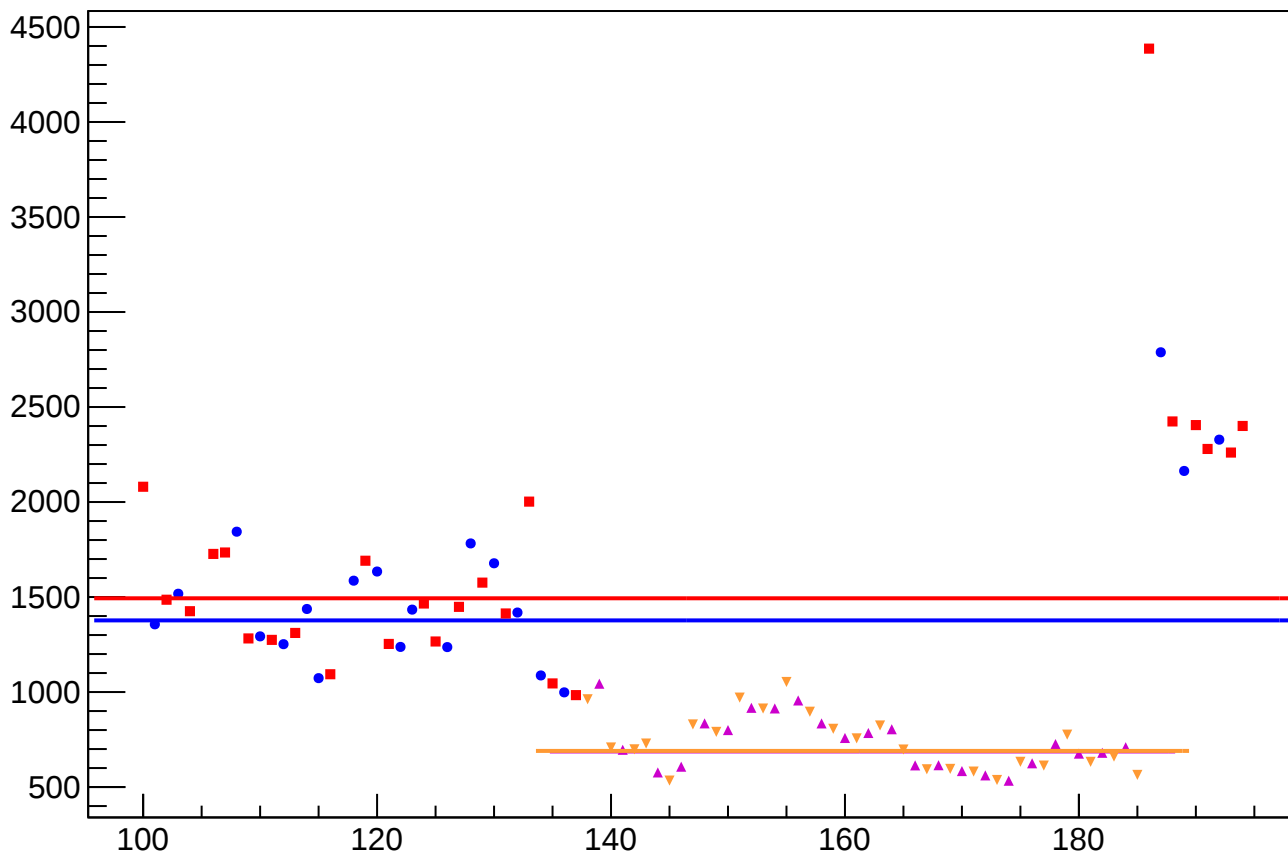
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF: 26.4/22

+ sign 853.564 $\pm$ 155.773 χ^2 /NDF: 85.8/44

All: 511.966 $\pm$ 111.002 χ^2 /NDF: 141.0/92

- sign 159.566 $\pm$ 158.216 χ^2 /NDF: 45.4/47

asym_sam_2468_avg_rms vs Slug



Right In: 1377.056 ± 0.354 $\chi^2/\text{NDF}: 982043.4/19$

Left Out: 690.166 ± 0.116 $\chi^2/\text{NDF}: 1258158.2/24$

Right Out: 1493.372 ± 0.341 $\chi^2/\text{NDF}: 1721874.4/24$

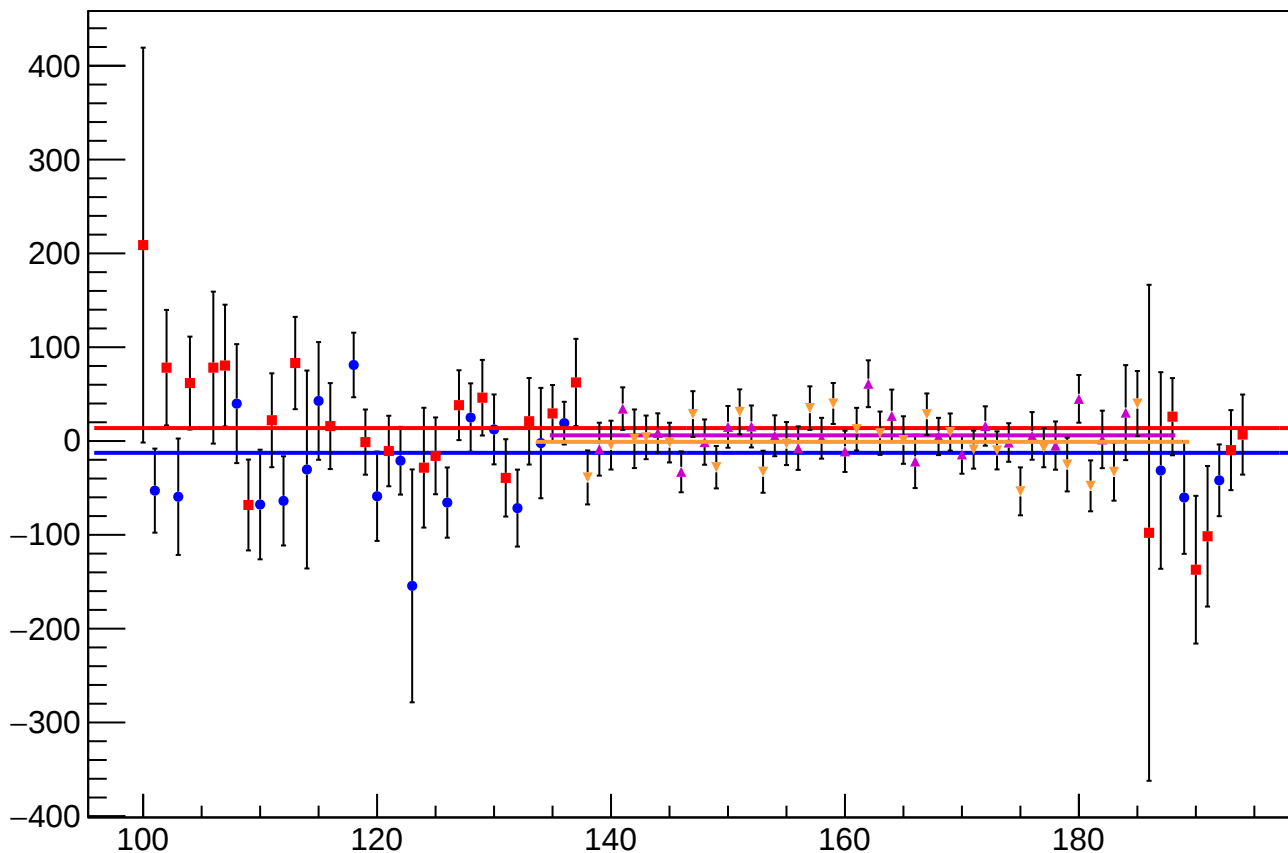
Left In: 687.216 ± 0.118 $\chi^2/\text{NDF}: 1099706.1/22$

+ sign 756.490 ± 0.110 $\chi^2/\text{NDF}: 5632566.8/44$

All: 765.093 ± 0.078 $\chi^2/\text{NDF}: 13452867.1/92$

- sign 773.969 ± 0.112 $\chi^2/\text{NDF}: 7807905.4/47$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -12.587 ± 9.874 χ^2/NDF : 23.4/19

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 13.805 ± 9.463 χ^2/NDF : 21.8/24

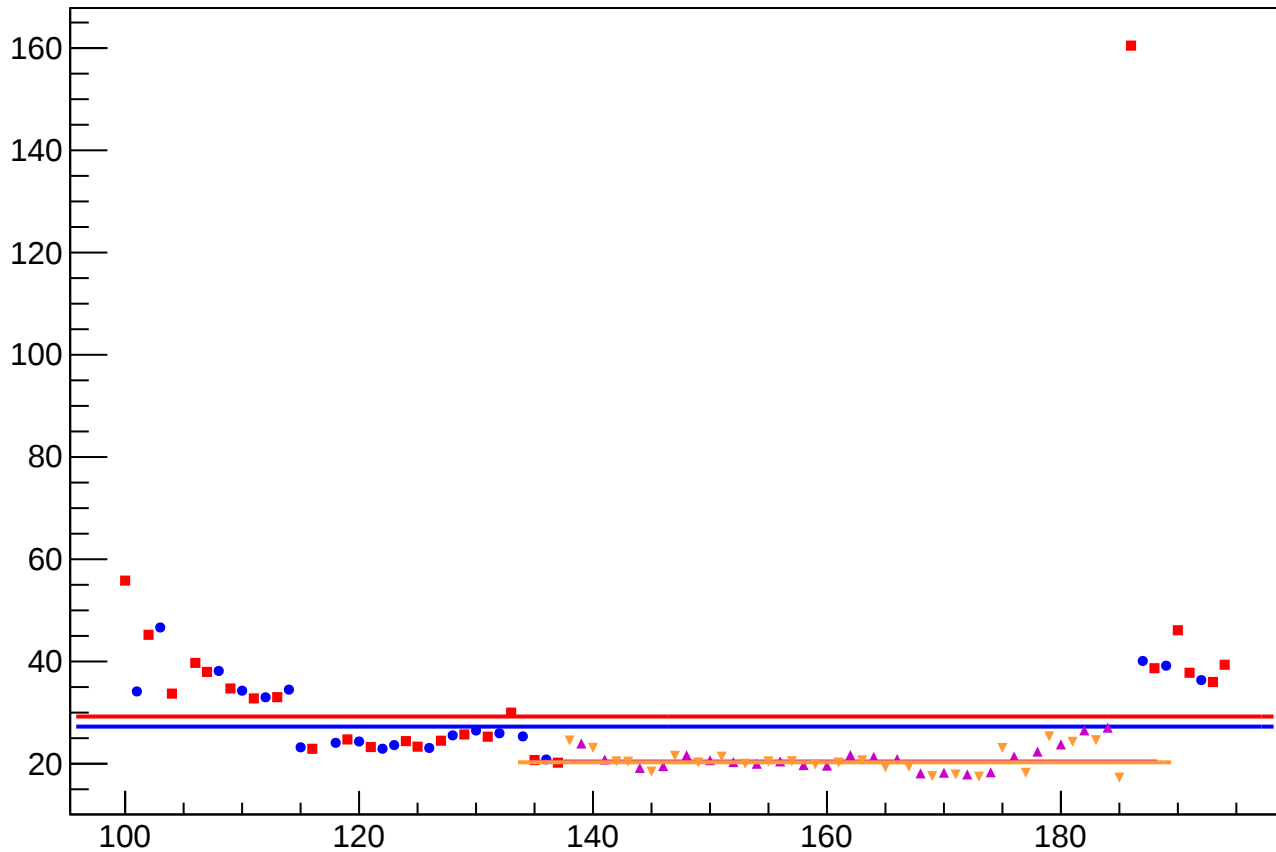
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.073 ± 4.288 χ^2/NDF : 52.5/44

All: 2.211 ± 3.060 χ^2/NDF : 94.8/92

- sign 7.696 ± 4.369 χ^2/NDF : 39.3/47

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 27.262 ± 0.007 $\chi^2/\text{NDF}: 848455.8/19$

Left Out: 20.279 ± 0.003 $\chi^2/\text{NDF}: 407056.4/24$

Right Out: 29.234 ± 0.007 $\chi^2/\text{NDF}: 1653725.8/24$

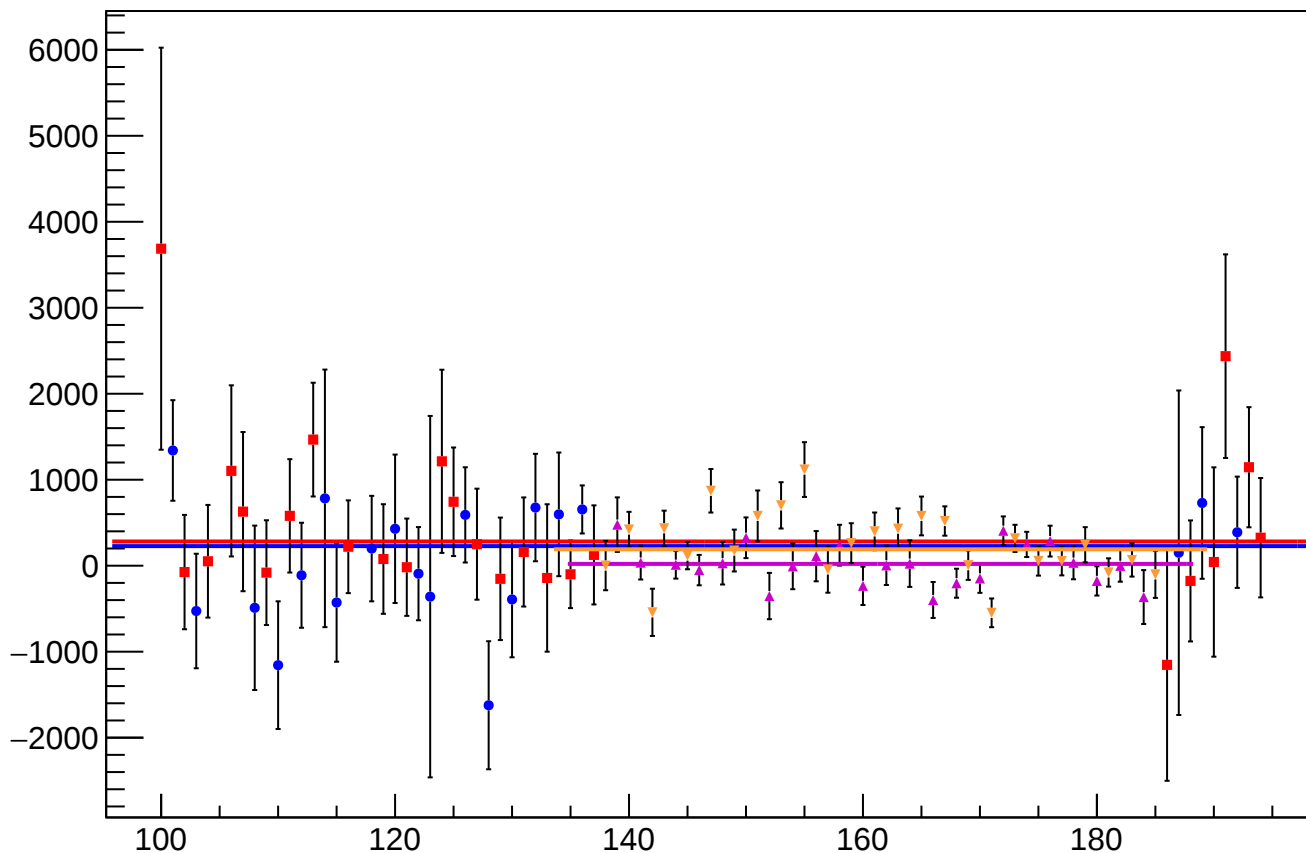
Left In: 20.424 ± 0.003 $\chi^2/\text{NDF}: 323427.4/22$

+ sign 21.596 ± 0.003 $\chi^2/\text{NDF}: 2067131.4/44$

All: 21.942 ± 0.002 $\chi^2/\text{NDF}: 5434962.8/92$

- sign 22.302 ± 0.003 $\chi^2/\text{NDF}: 3341271.5/47$

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 227.762 $\pm$ 142.150 χ^2 /NDF: 21.7/19

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: 281.810 $\pm$ 137.928 χ^2 /NDF: 16.9/24

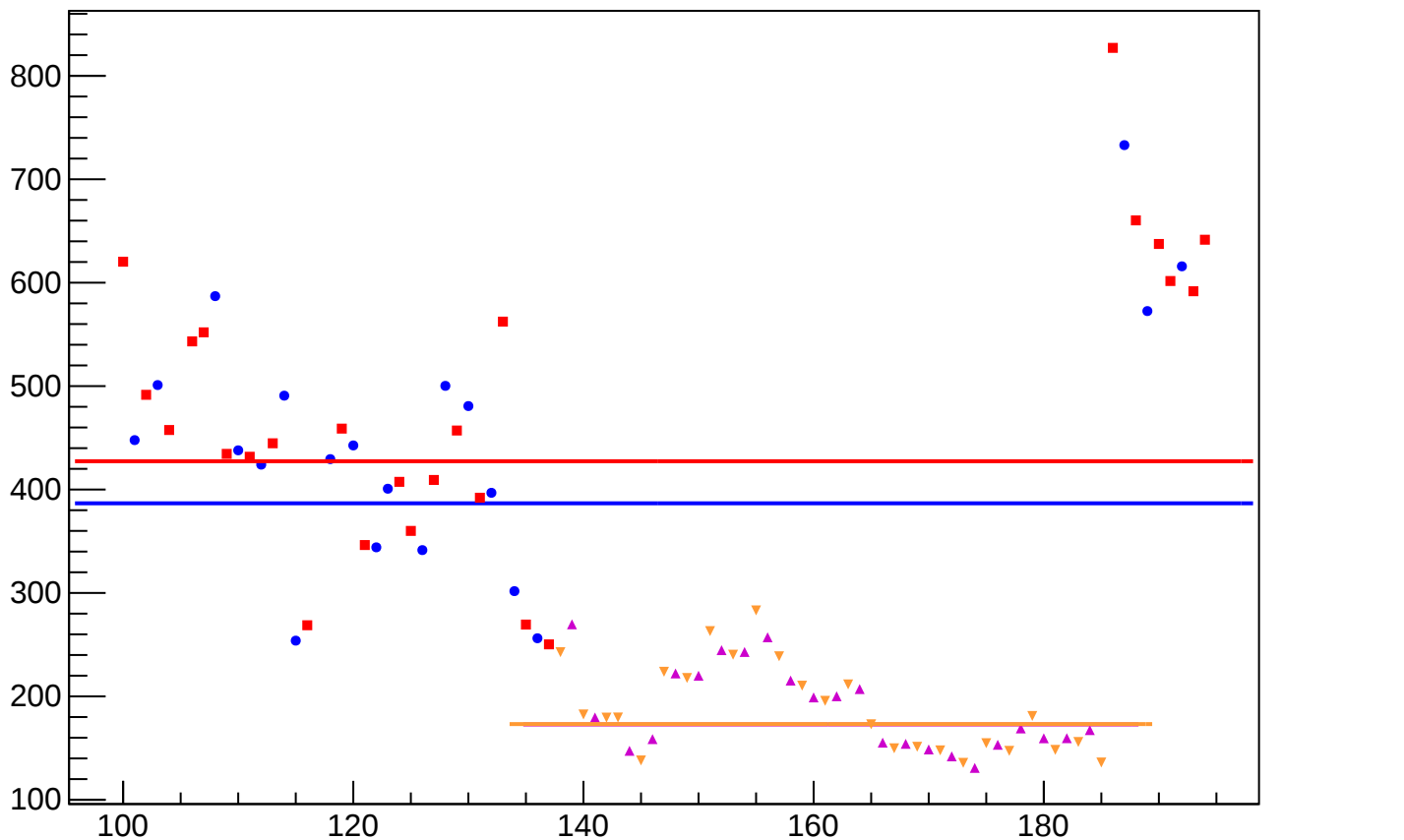
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

+ sign 193.741 $\pm$ 39.672 χ^2 /NDF: 89.7/44

All: 120.003 $\pm$ 28.318 χ^2 /NDF: 144.6/92

- sign 43.411 $\pm$ 40.433 χ^2 /NDF: 47.9/47

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 386.677 $\pm$ 0.101 χ^2 /NDF: 1270920.1/19

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF: 1561250.6/24

Right Out: 427.379 $\pm$ 0.098 χ^2 /NDF: 1728015.5/24

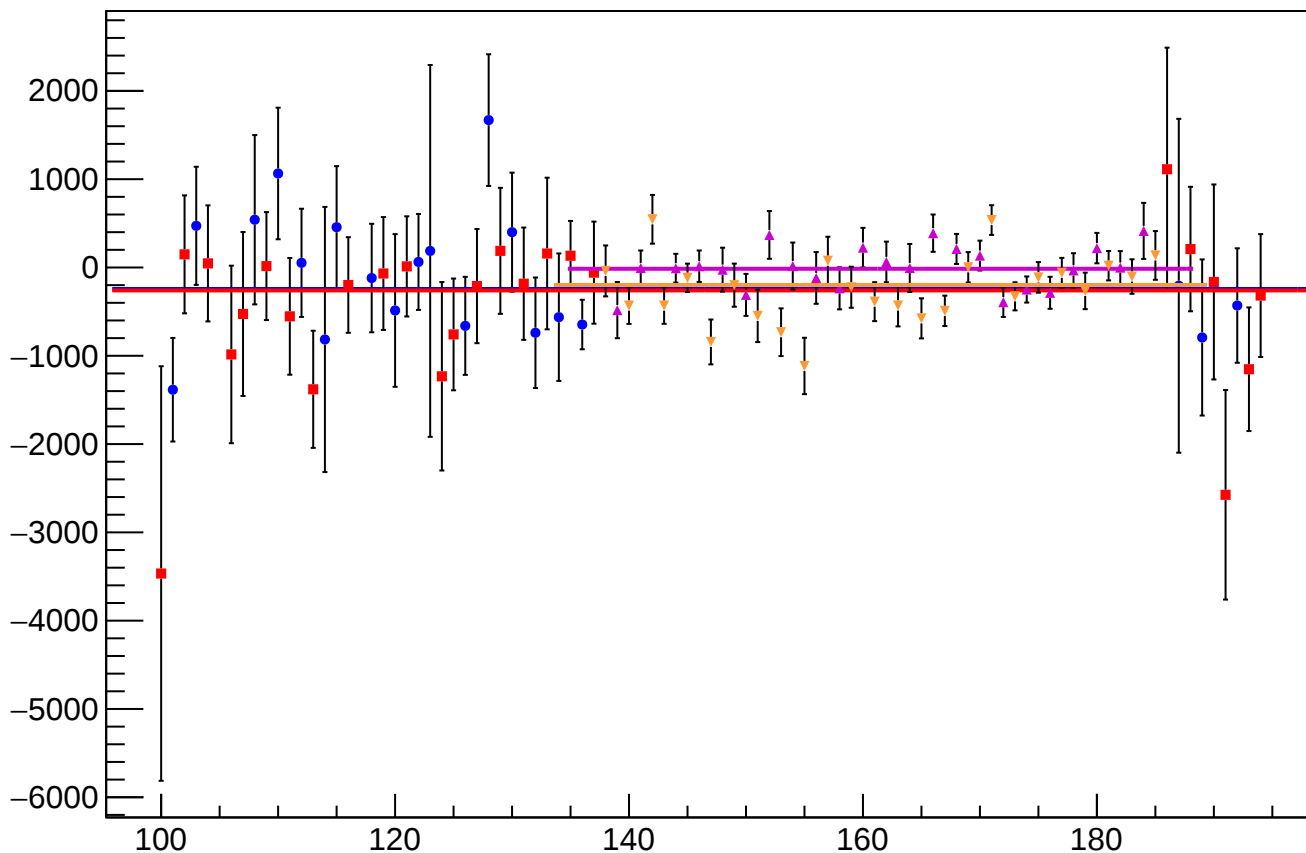
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF: 1372131.7/22

+ sign 189.837 $\pm$ 0.028 χ^2 /NDF: 6991067.2/44

All: 192.223 $\pm$ 0.020 χ^2 /NDF: 16332589.3/92

- sign 194.702 $\pm$ 0.029 χ^2 /NDF: 9326766.8/47

asym_sam_1357_2468_dd_mean vs Slug



Right In: -243.609 ± 142.555 $\chi^2/\text{NDF}: 22.0/19$

Left Out: -197.918 ± 41.638 $\chi^2/\text{NDF}: 64.3/24$

Right Out: -259.678 ± 138.348 $\chi^2/\text{NDF}: 16.7/24$

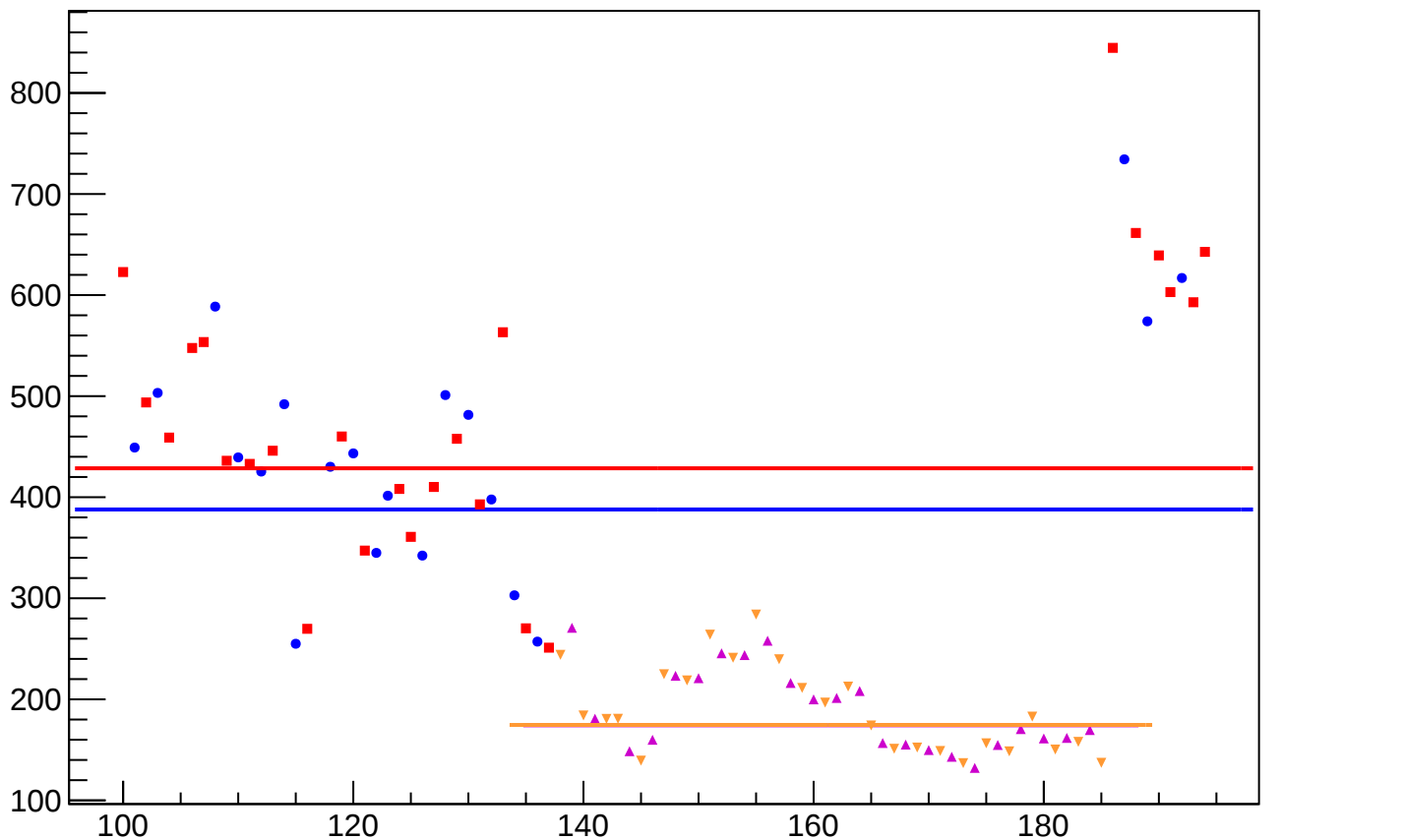
Left In: -14.616 ± 42.629 $\chi^2/\text{NDF}: 27.7/22$

+ sign -201.509 ± 39.968 $\chi^2/\text{NDF}: 86.3/44$

All: -120.270 ± 28.530 $\chi^2/\text{NDF}: 142.1/92$

- sign -35.865 ± 40.739 $\chi^2/\text{NDF}: 47.3/47$

asym_sam_1357_2468_dd_rms vs Slug



Right In: 387.839 $\pm$ 0.101 χ^2/NDF : 1266874.5/19

Left Out: 174.648 $\pm$ 0.029 χ^2/NDF :1531999.5/24

Right Out: 428.609 $\pm$ 0.098 χ^2/NDF : 1732686.1/24

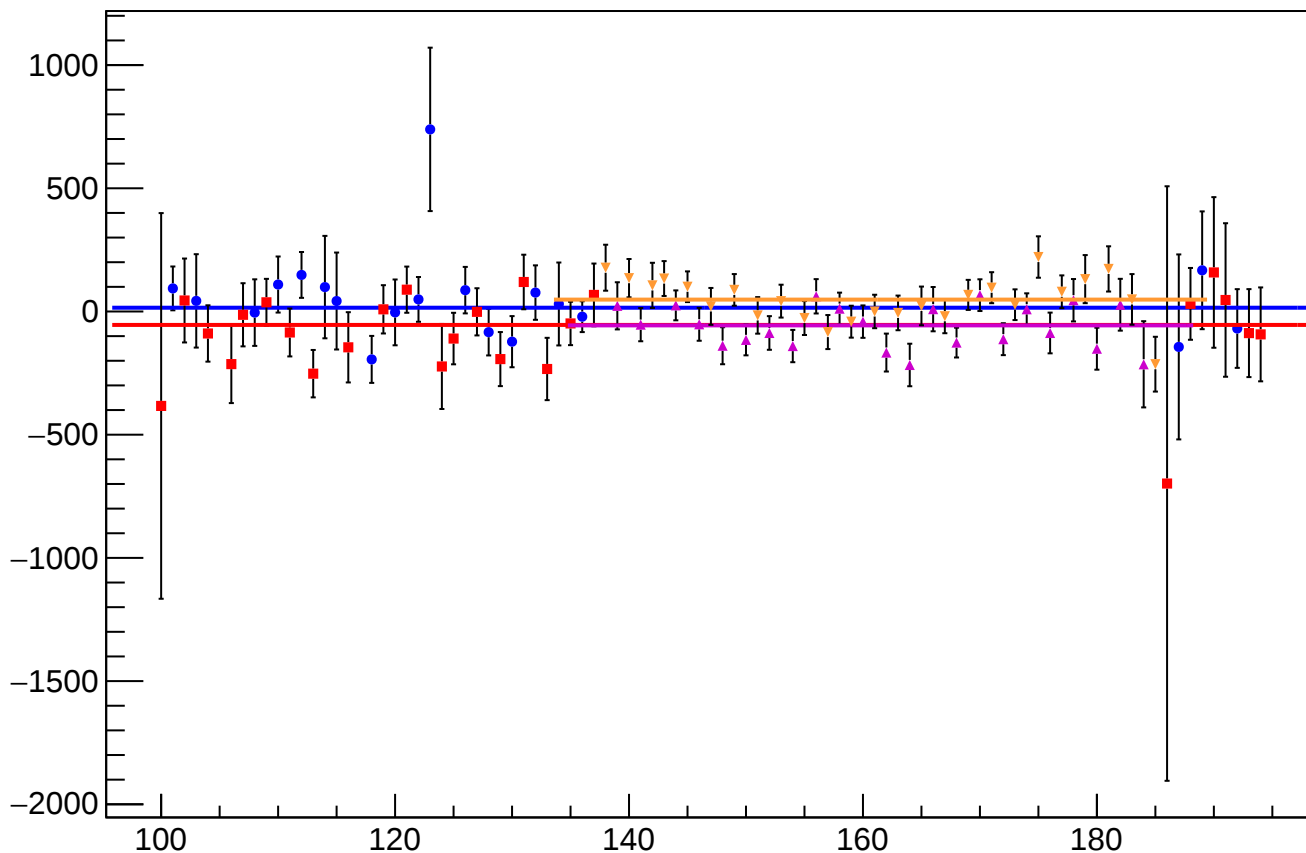
Left In: 174.288 $\pm$ 0.030 χ^2/NDF :1344779.5/22

+ sign 191.406 $\pm$ 0.028 χ^2/NDF : 6920316.9/44

All: 193.826 $\pm$ 0.020 χ^2/NDF : 16185138.3/92

- sign 196.341 $\pm$ 0.029 χ^2/NDF : 9249869.8/47

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 15.323+/-25.810 χ^2/NDF : 18.4/19

Left Out: 48.233+/-14.616 χ^2/NDF : 29.3/24

Right Out: -54.539+/-25.118 χ^2/NDF : 20.0/24

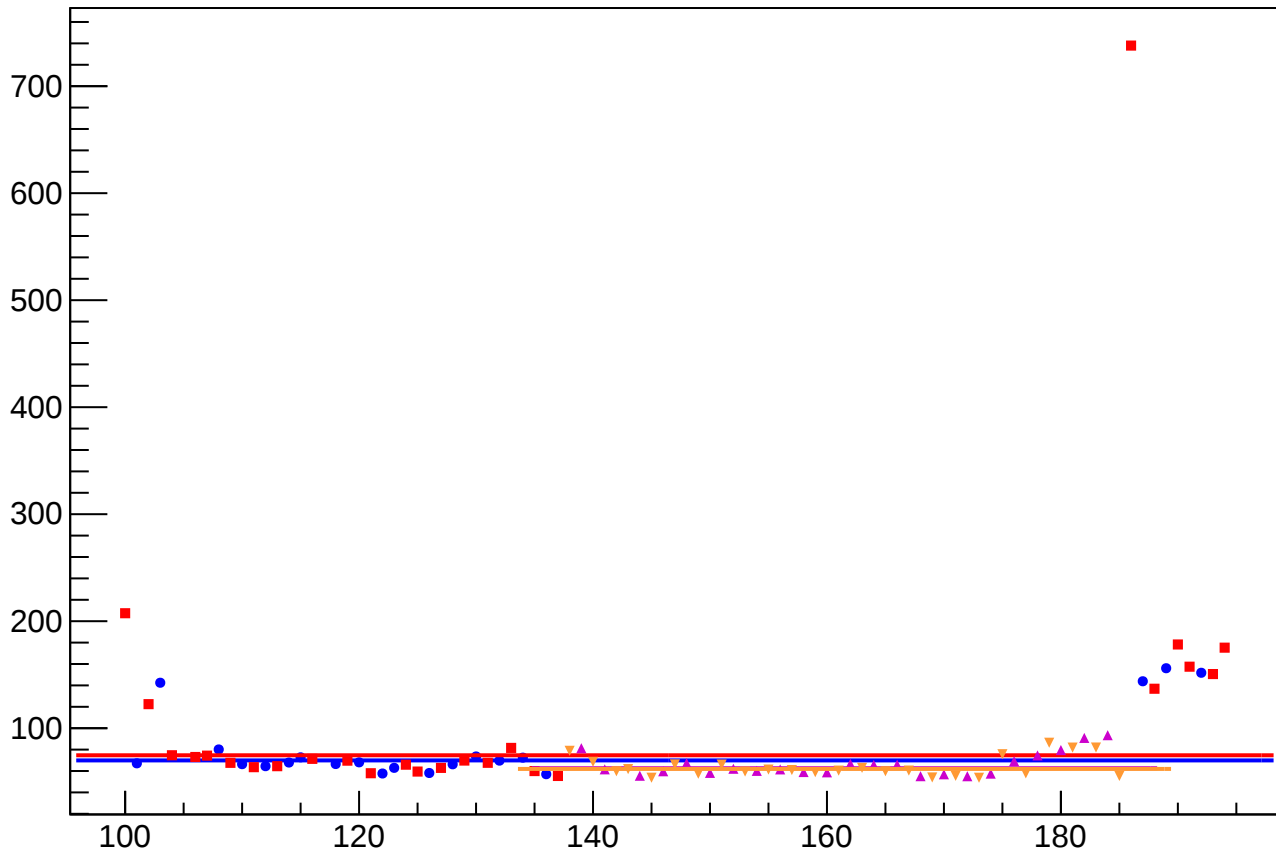
Left In: -56.403+/-15.182 χ^2/NDF : 27.5/22

+ sign 40.242+/-12.718 χ^2/NDF : 48.9/44

All: -6.803+/-9.089 χ^2/NDF : 124.3/92

- sign -55.904+/-12.993 χ^2/NDF : 47.4/47

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 69.901 $\pm$ 0.018 χ^2 /NDF: 1341424.5/19

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 74.696 $\pm$ 0.018 χ^2 /NDF: 2801677.2/24

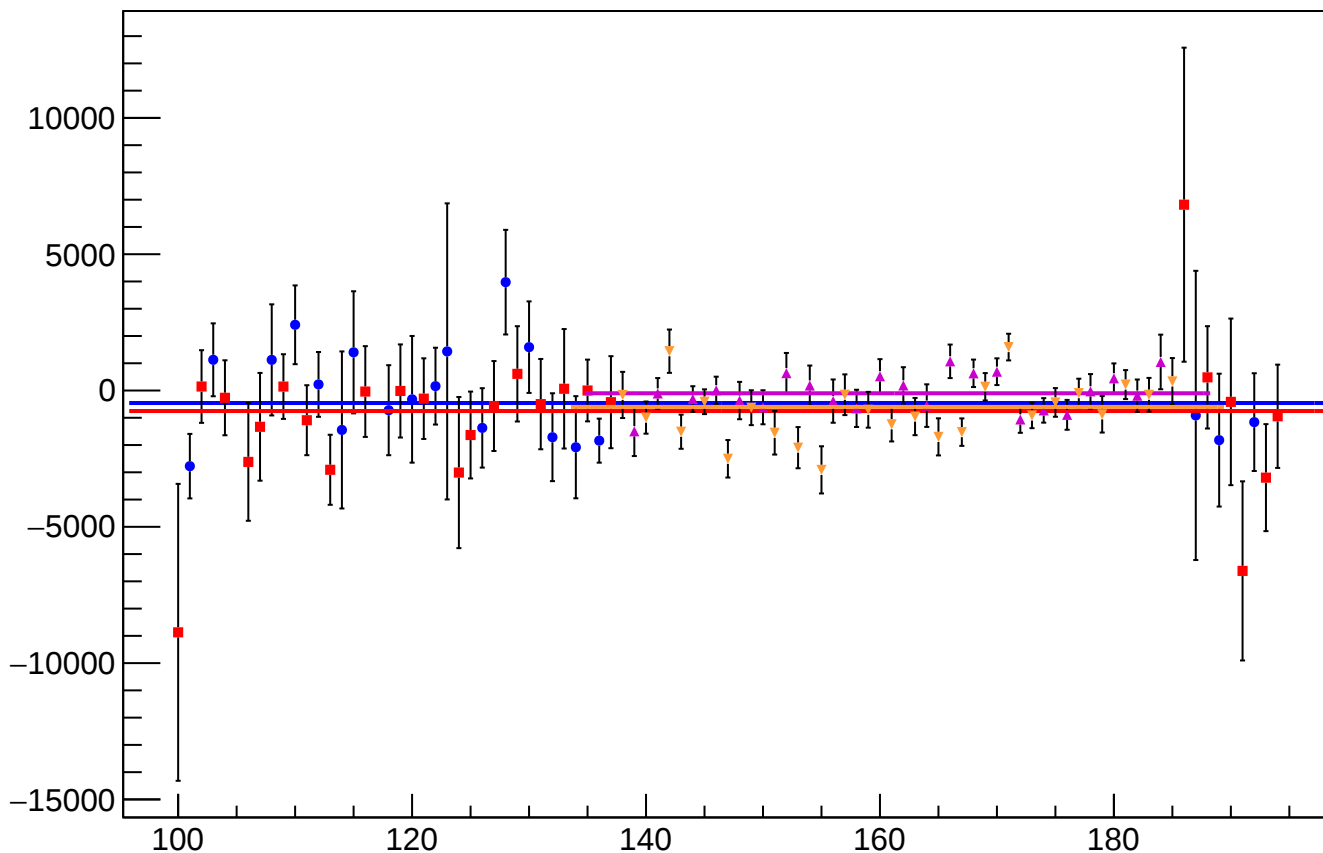
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 63.878 $\pm$ 0.009 χ^2 /NDF: 2090257.6/44

All: 64.839 $\pm$ 0.006 χ^2 /NDF: 5830099.0/92

- sign 65.842 $\pm$ 0.009 χ^2 /NDF: 3716506.4/47

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -458.245 $\pm$ 355.164 χ^2 /NDF: 23.2/19

Left Out: -601.486 $\pm$ 122.119 χ^2 /NDF: 65.4/24

Right Out: -751.696 $\pm$ 339.929 χ^2 /NDF: 16.7/24

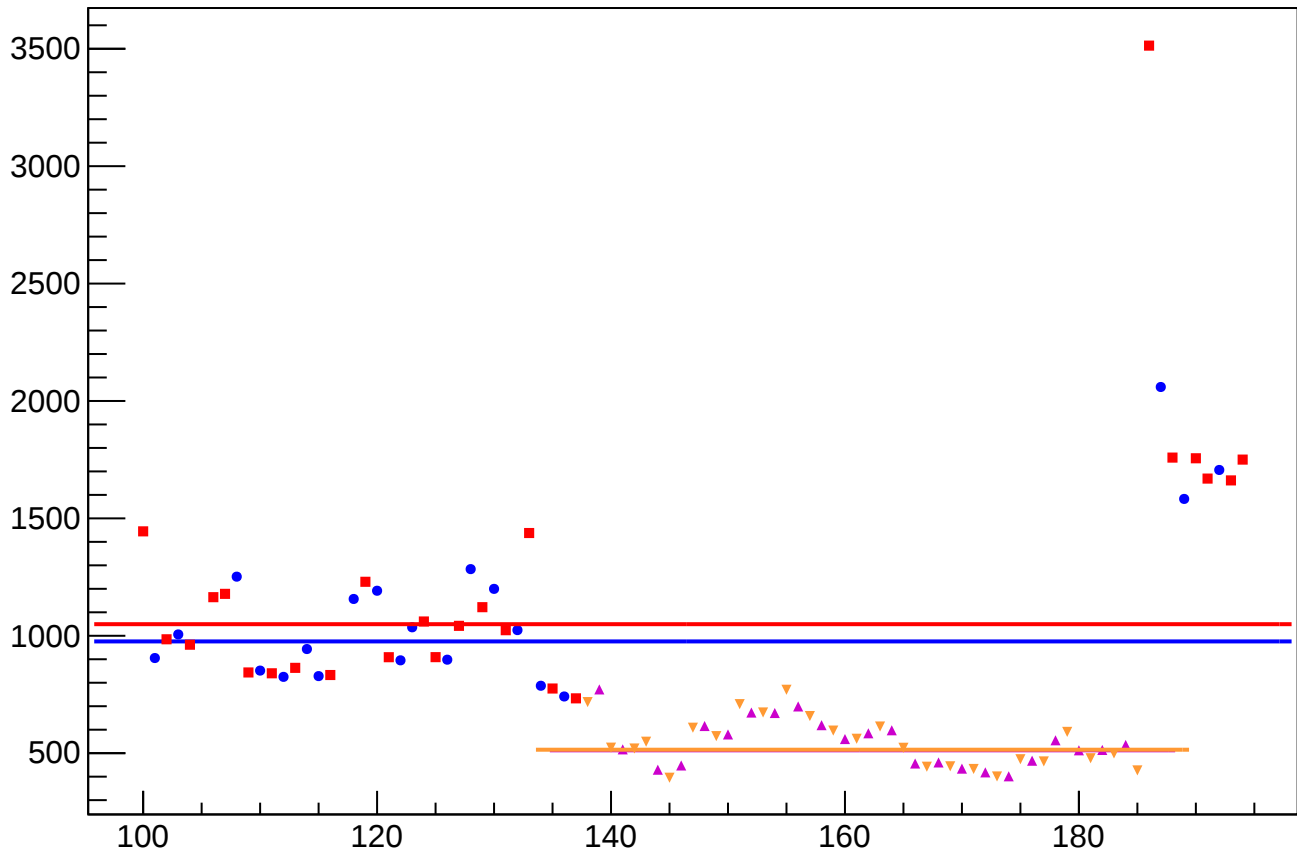
Left In: -100.548 $\pm$ 124.725 χ^2 /NDF: 25.5/22

+ sign -586.342 $\pm$ 115.483 χ^2 /NDF: 88.8/44

All: -384.901 $\pm$ 82.222 χ^2 /NDF: 140.3/92

- sign -177.808 $\pm$ 117.092 χ^2 /NDF: 45.4/47

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 975.973 $\pm$ 0.251 χ^2 /NDF: 971668.0/19

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 1049.380 $\pm$ 0.240 χ^2 /NDF: 1834849.6/24

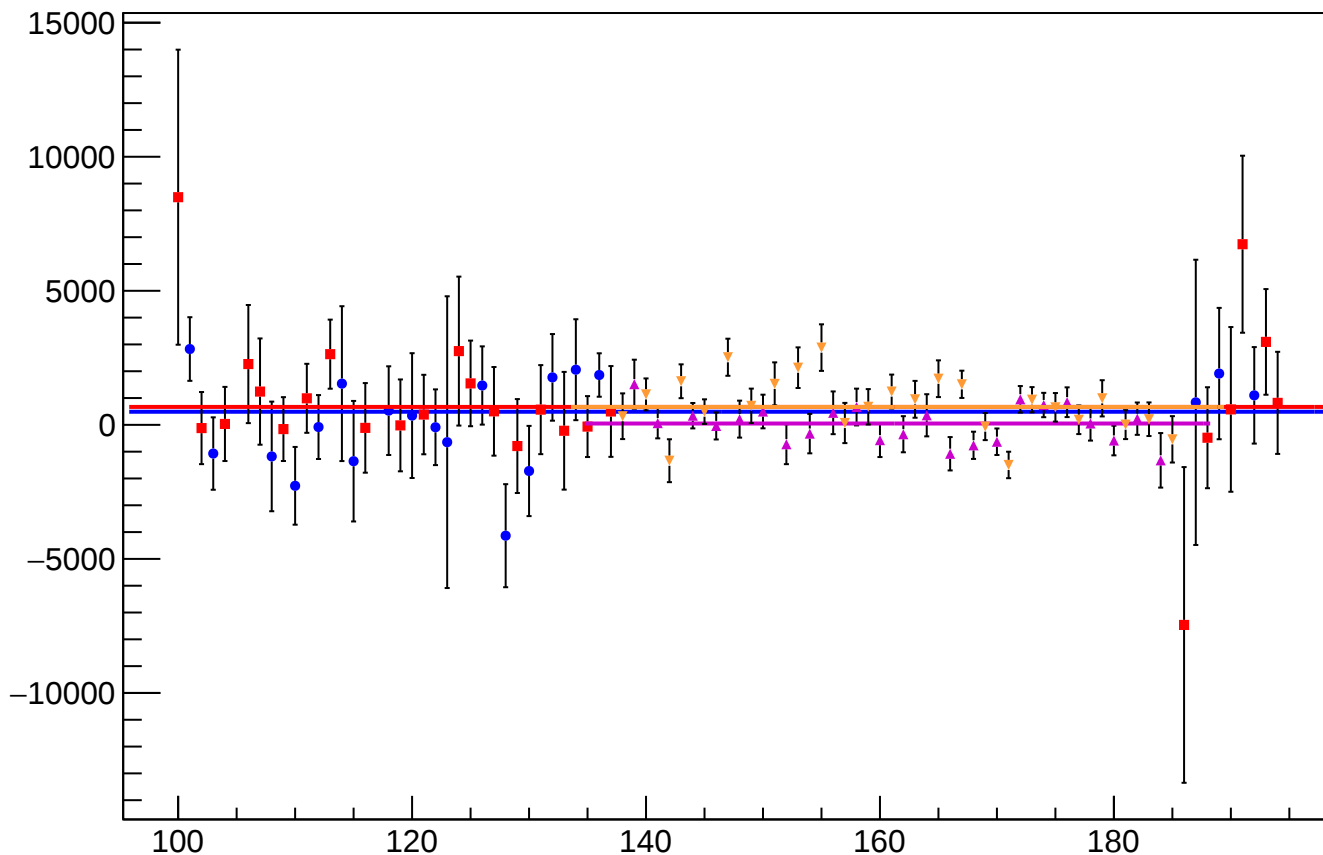
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 563.520 $\pm$ 0.082 χ^2 /NDF: 5182746.4/44

All: 569.642 $\pm$ 0.058 χ^2 /NDF: 12472214.2/92

- sign 575.937 $\pm$ 0.083 χ^2 /NDF: 7278066.1/47

asym_sam_12345678_avg_mean vs Slug



Right In: 488.918+/-356.397 χ^2/NDF : 23.4/19

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 668.952+/-341.325 χ^2/NDF : 15.8/24

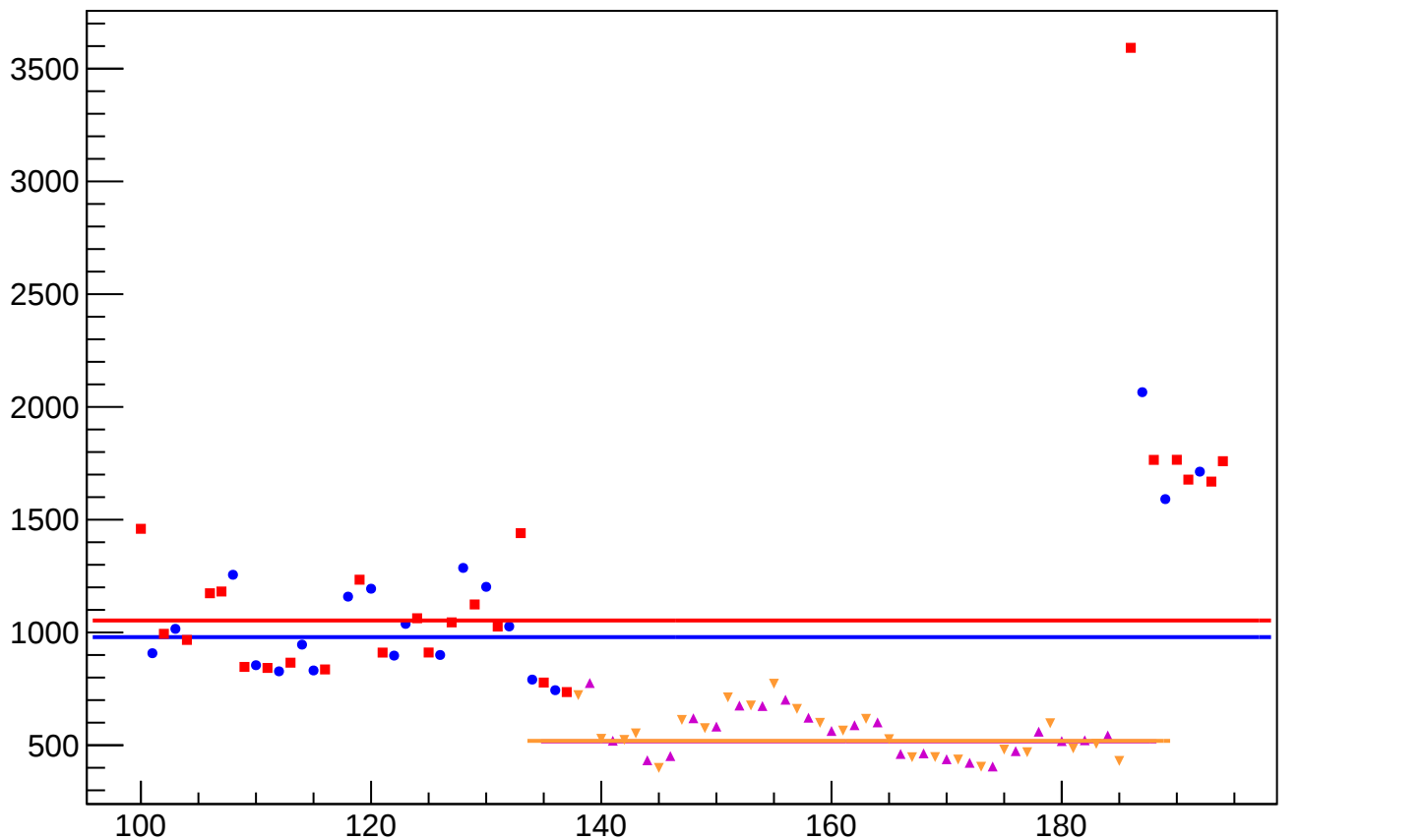
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 648.564+/-116.393 χ^2/NDF : 85.1/44

All: 390.019+/-82.879 χ^2/NDF : 139.9/92

- sign 124.097+/-118.042 χ^2/NDF : 44.8/47

asym_sam_12345678_avg_rms vs Slug



Right In: 979.371+/-0.252 χ^2/NDF : 971885.0/19

Left Out: 519.254+/-0.087 χ^2/NDF :1172411.1/24

Right Out: 1053.089+/-0.241 χ^2/NDF : 1844127.5/24

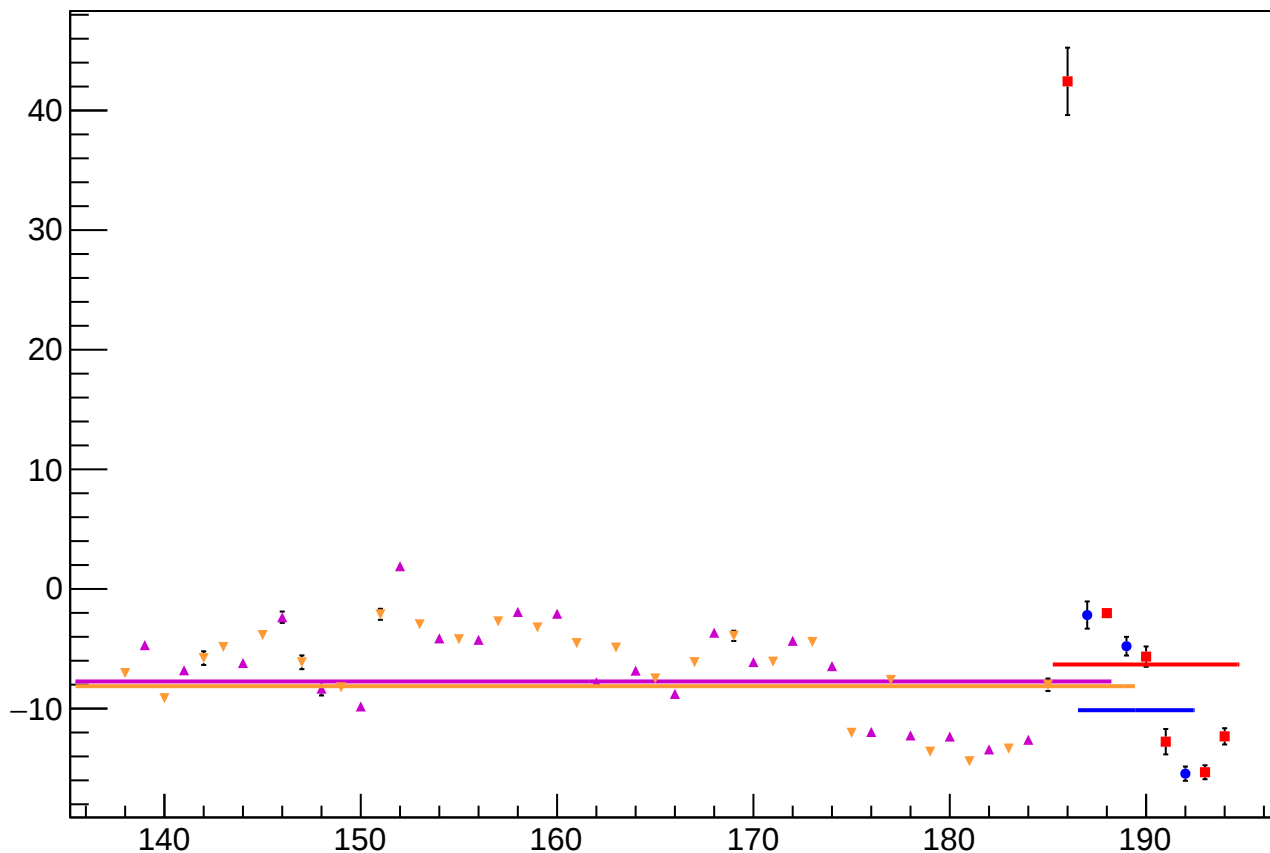
Left In: 516.792+/-0.089 χ^2/NDF :1021374.1/22

+ sign 568.329+/-0.082 χ^2/NDF : 5122251.9/44

All: 574.543+/-0.059 χ^2/NDF : 12346264.0/92

- sign 580.934+/-0.083 χ^2/NDF : 7212448.0/47

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -10.135 ± 0.438 $\chi^2/\text{NDF}: 174.9/2$

Left Out: -8.127 ± 0.067 $\chi^2/\text{NDF}: 3635.5/24$

Right Out: -6.313 ± 0.247 $\chi^2/\text{NDF}: 815.8/5$

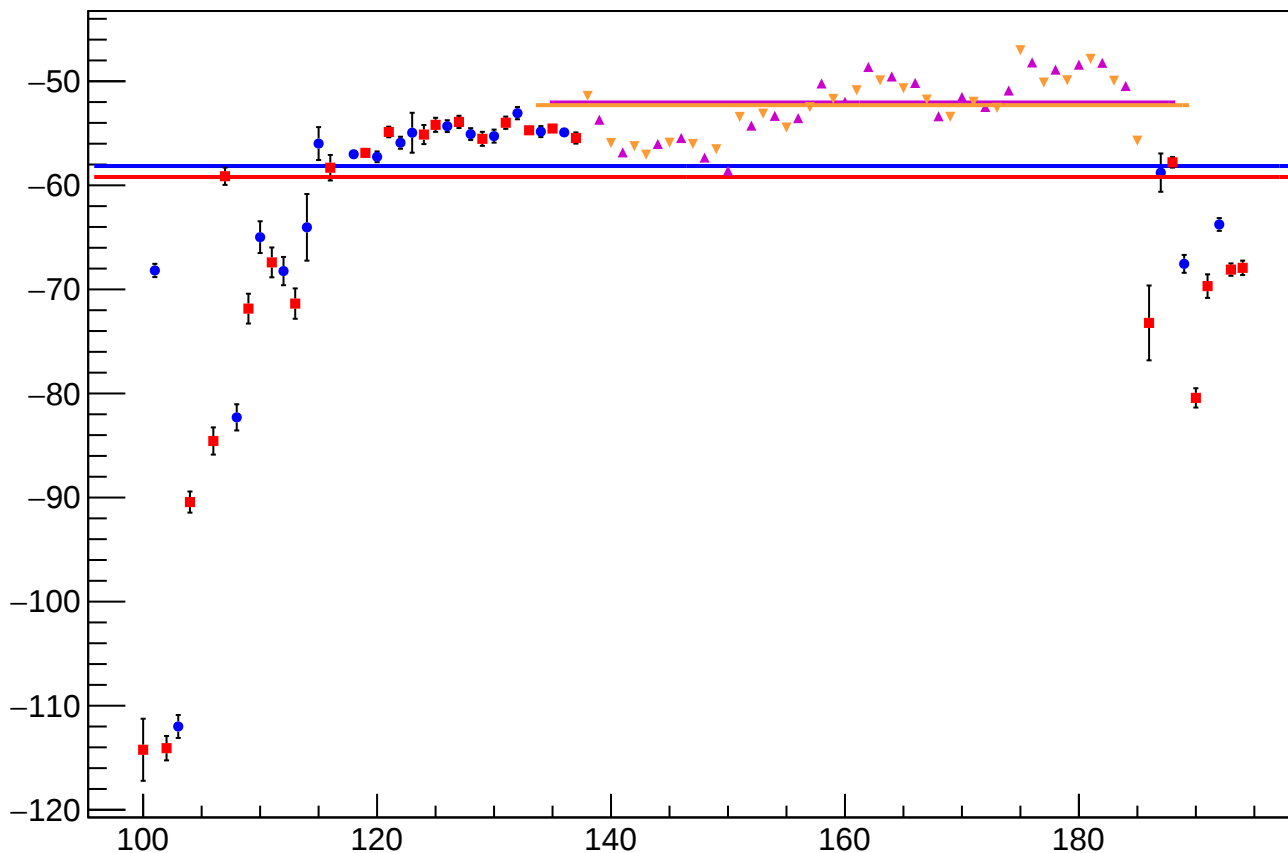
Left In: -7.732 ± 0.069 $\chi^2/\text{NDF}: 3719.0/22$

+ sign -8.174 ± 0.067 $\chi^2/\text{NDF}: 3831.0/27$

All: -7.901 ± 0.047 $\chi^2/\text{NDF}: 8429.8/56$

- sign -7.630 ± 0.066 $\chi^2/\text{NDF}: 4565.4/28$

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.146 ± 0.137 $\chi^2/\text{NDF}: 3678.0/19$

Left Out: -52.297 ± 0.055 $\chi^2/\text{NDF}: 2657.5/24$

Right Out: -59.200 ± 0.129 $\chi^2/\text{NDF}: 5822.9/24$

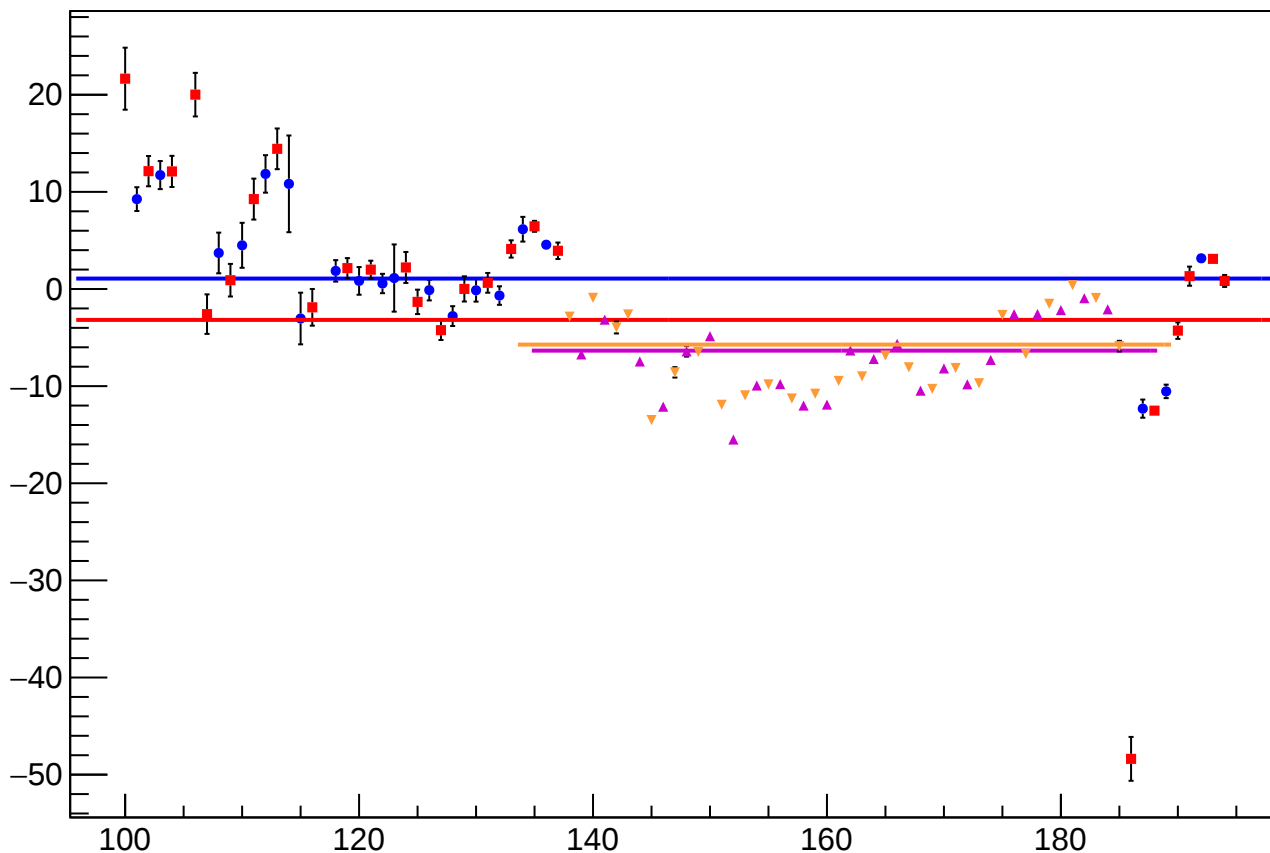
Left In: -52.038 ± 0.057 $\chi^2/\text{NDF}: 3180.4/22$

+ sign -53.108 ± 0.051 $\chi^2/\text{NDF}: 7899.7/44$

All: -53.156 ± 0.037 $\chi^2/\text{NDF}: 19466.4/92$

- sign -53.206 ± 0.052 $\chi^2/\text{NDF}: 11564.9/47$

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 1.075 ± 0.214 χ^2/NDF : 752.7/19

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -3.181 ± 0.165 χ^2/NDF : 2785.5/24

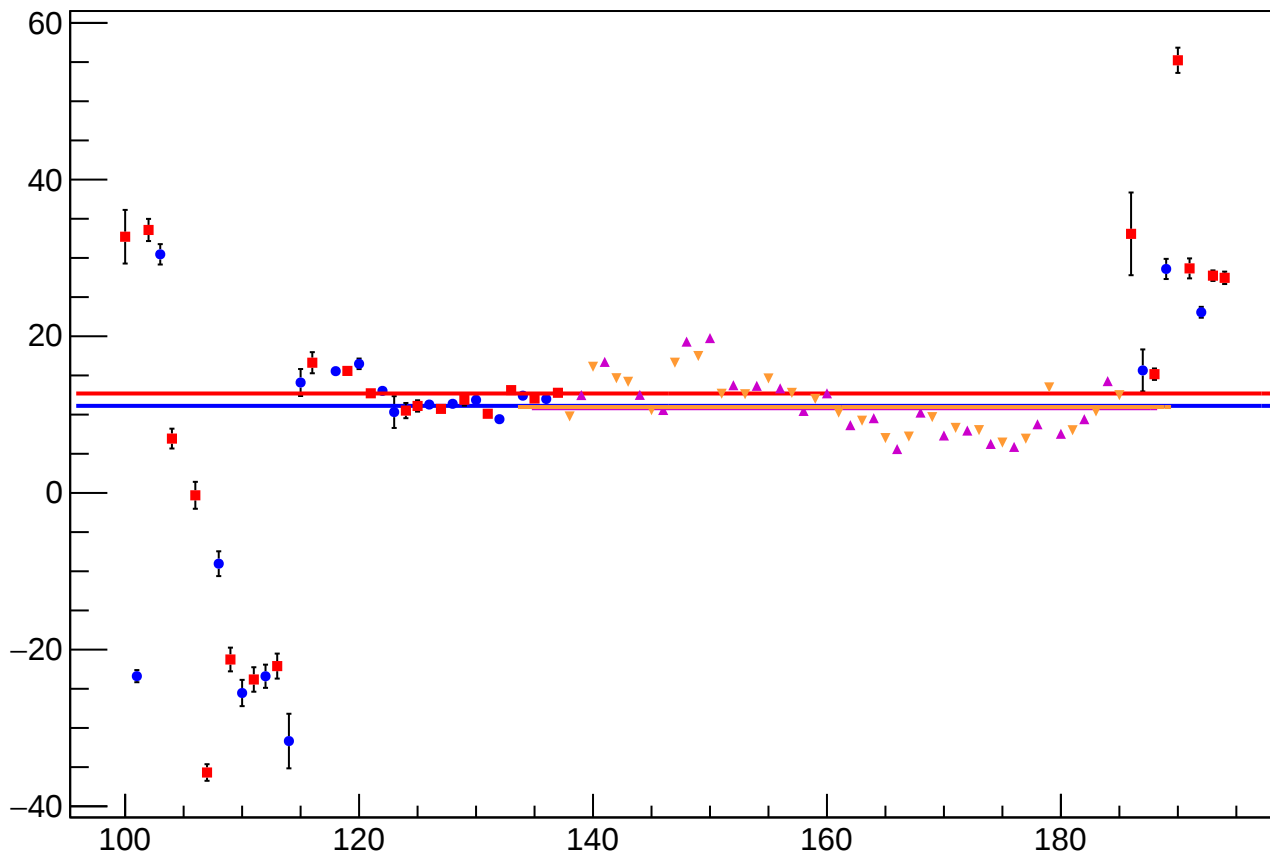
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -5.106 ± 0.064 χ^2/NDF : 5651.8/44

All: -5.499 ± 0.045 χ^2/NDF : 12206.0/92

- sign -5.880 ± 0.063 χ^2/NDF : 6481.1/47

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 11.116 $\pm$ 0.153 χ^2 /NDF: 4197.1/19

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 12.695 $\pm$ 0.148 χ^2 /NDF: 5757.0/24

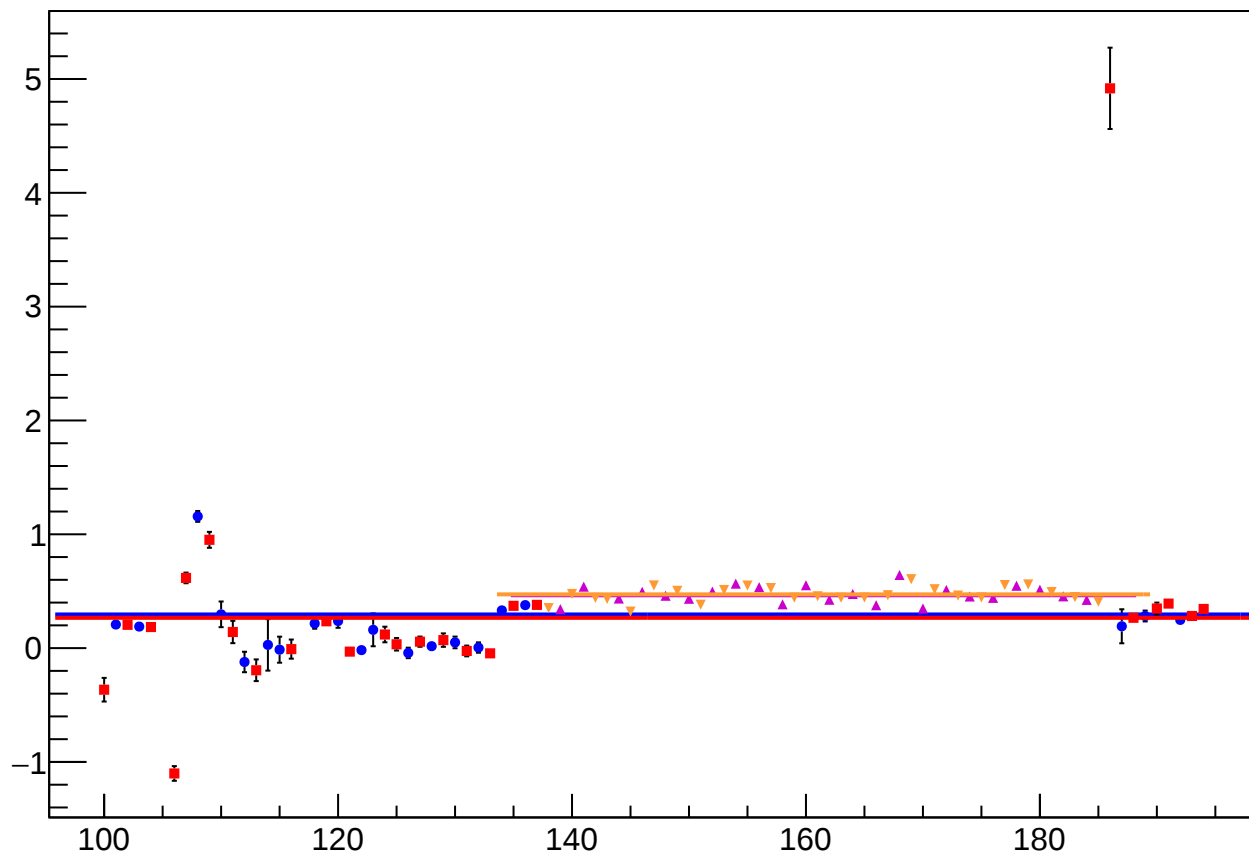
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 10.988 $\pm$ 0.057 χ^2 /NDF: 6835.6/44

All: 11.044 $\pm$ 0.041 χ^2 /NDF: 16278.1/92

- sign 11.103 $\pm$ 0.058 χ^2 /NDF: 9440.5/47

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.296 ± 0.008 χ^2/NDF : 653.3/19

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.266 ± 0.007 χ^2/NDF : 1189.2/24

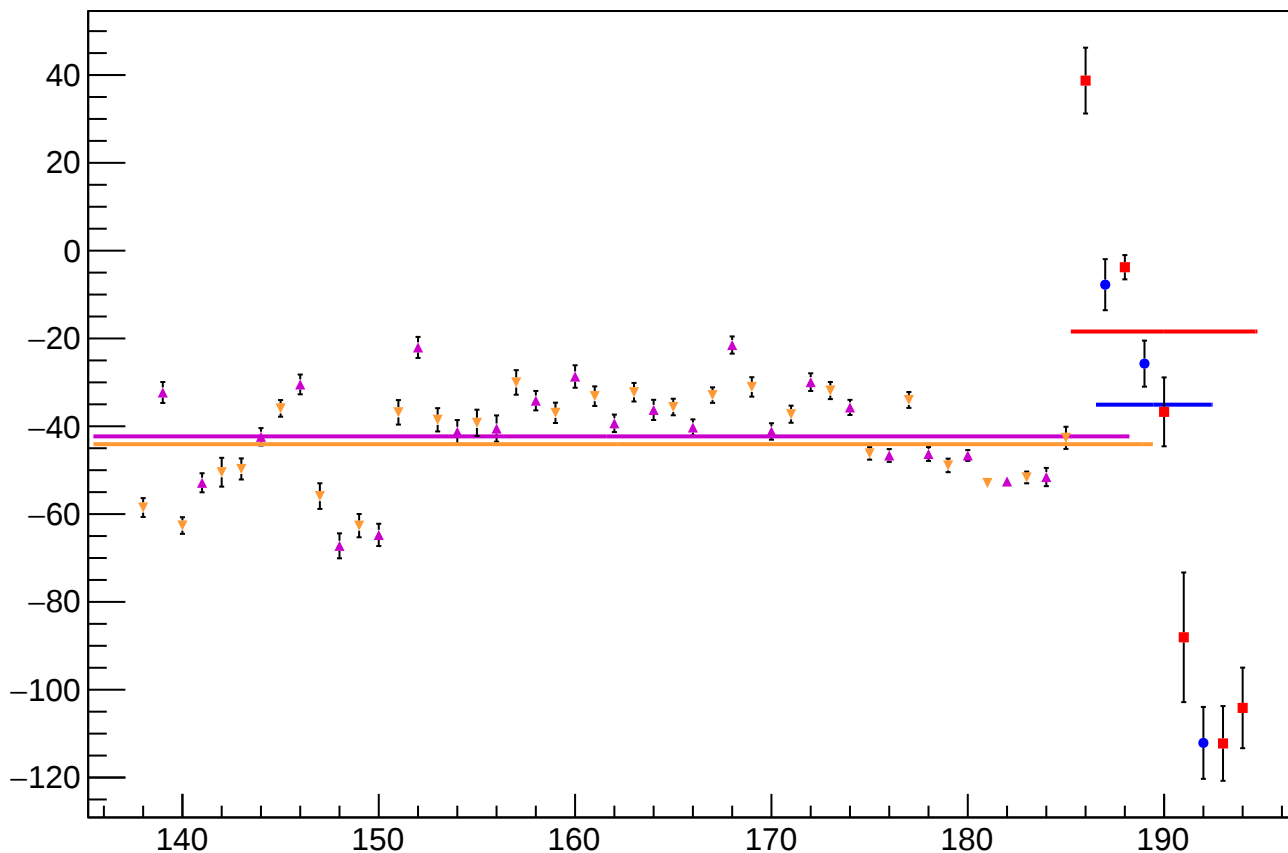
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.452 ± 0.003 χ^2/NDF : 1650.4/44

All: 0.445 ± 0.002 χ^2/NDF : 4268.6/92

- sign 0.438 ± 0.003 χ^2/NDF : 2603.6/47

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -35.080 ± 3.517 $\chi^2/\text{NDF}: 113.7/2$

Left Out: -44.077 ± 0.389 $\chi^2/\text{NDF}: 632.6/24$

Right Out: -18.417 ± 2.264 $\chi^2/\text{NDF}: 322.7/5$

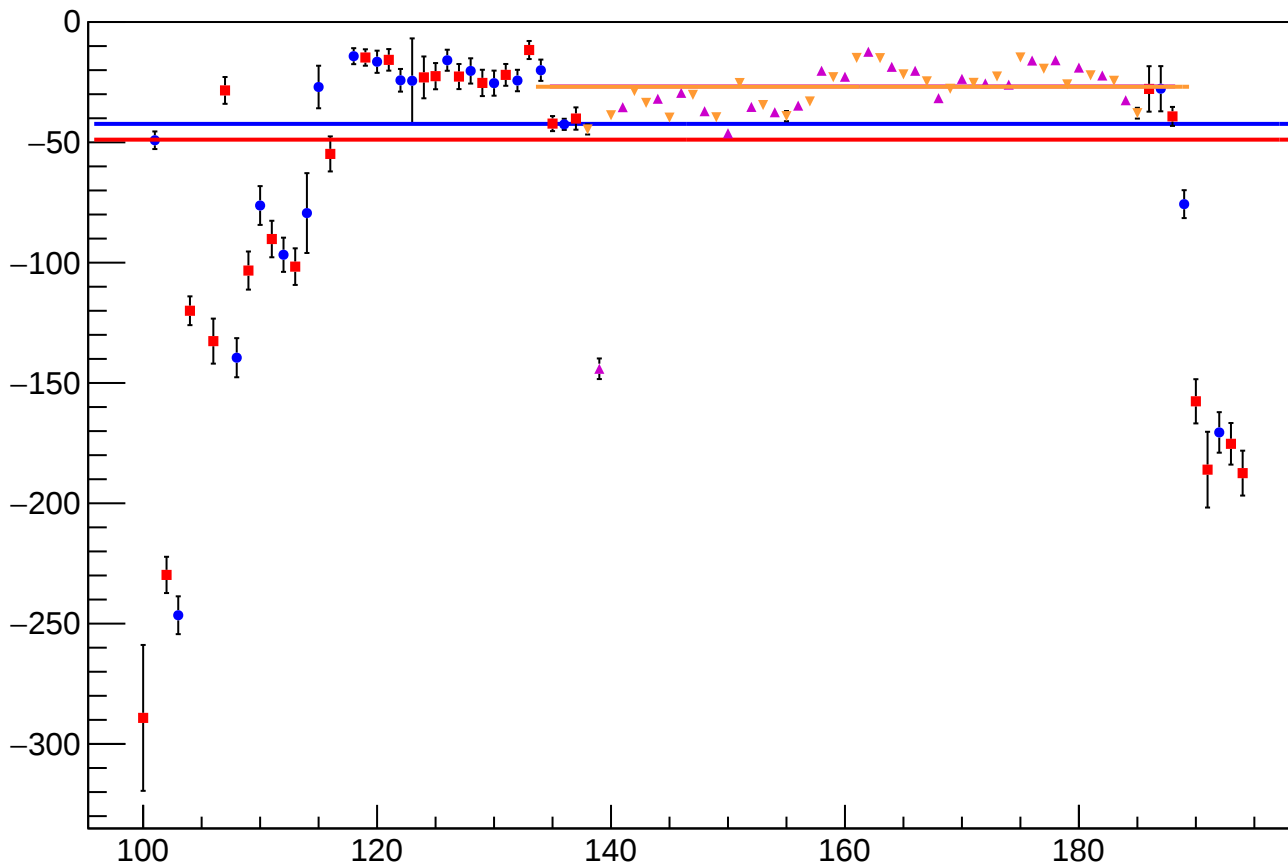
Left In: -42.304 ± 0.399 $\chi^2/\text{NDF}: 640.6/22$

+ sign -43.969 ± 0.386 $\chi^2/\text{NDF}: 752.7/27$

All: -42.797 ± 0.276 $\chi^2/\text{NDF}: 1842.8/56$

- sign -41.584 ± 0.393 $\chi^2/\text{NDF}: 1071.3/28$

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -42.333 ± 1.110 $\chi^2/\text{NDF}: 1398.2/19$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -48.885 ± 1.120 $\chi^2/\text{NDF}: 2033.8/24$

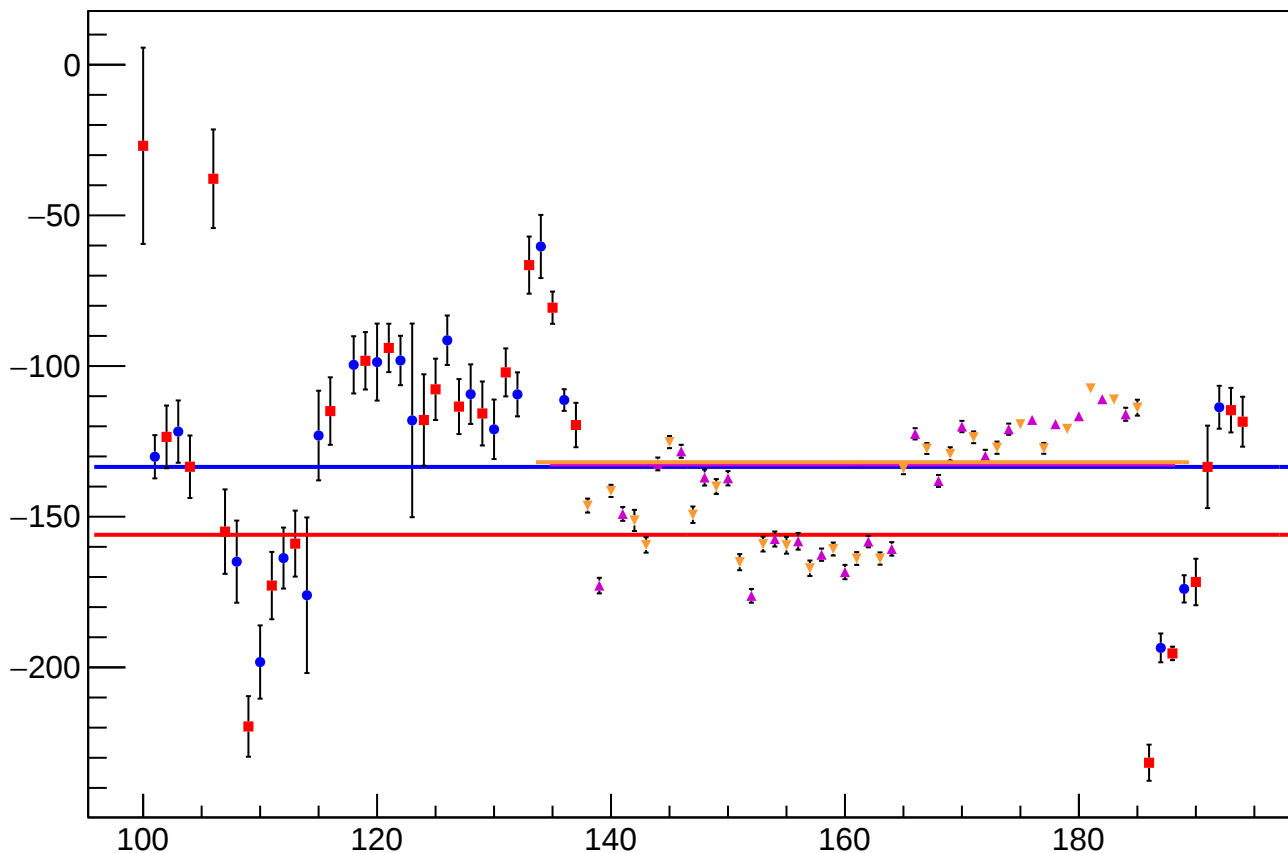
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -28.061 ± 0.304 $\chi^2/\text{NDF}: 2208.0/44$

All: -28.276 ± 0.218 $\chi^2/\text{NDF}: 5996.6/92$

- sign -28.504 ± 0.313 $\chi^2/\text{NDF}: 3787.6/47$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -133.471 ± 1.708 χ^2/NDF : 463.4/19

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -156.004 ± 1.431 χ^2/NDF : 1186.8/24

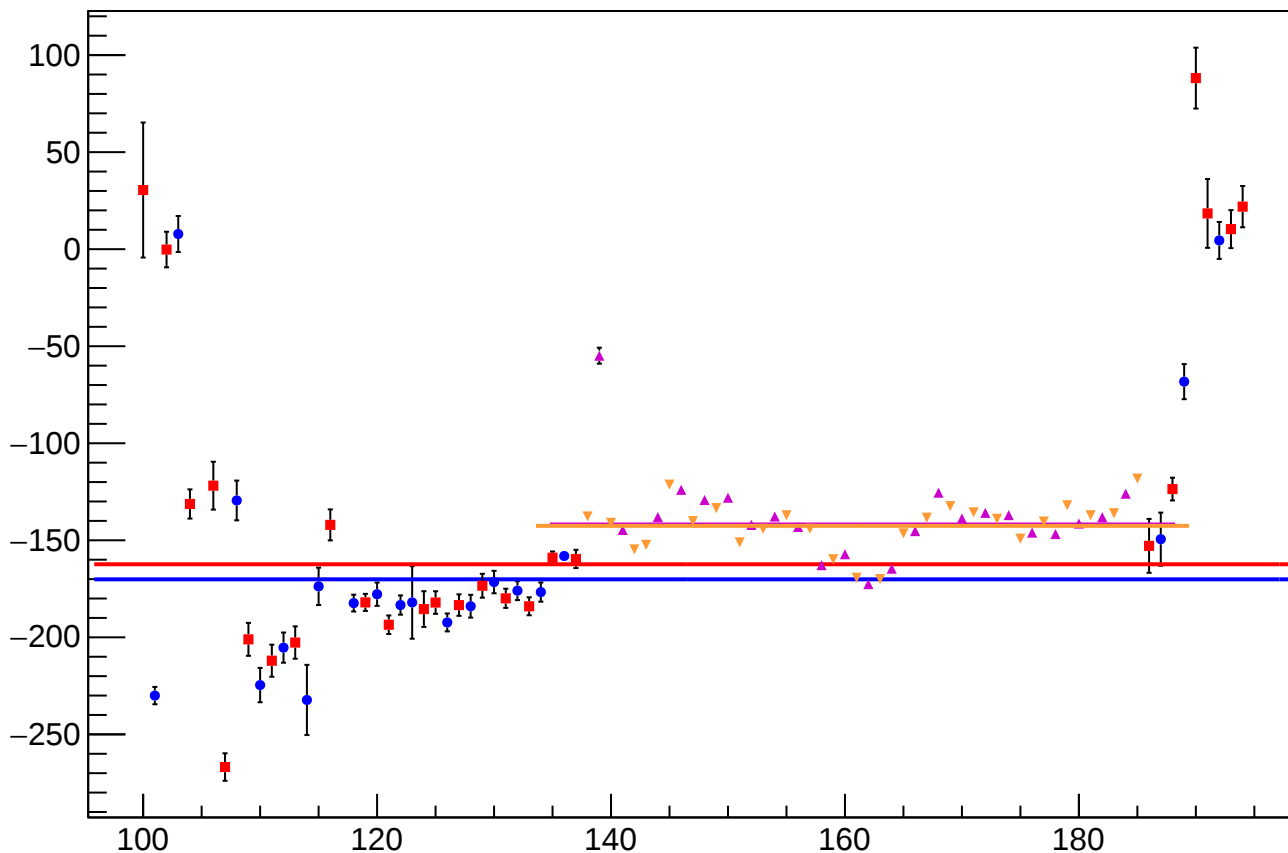
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -131.990 ± 0.382 χ^2/NDF : 2903.5/44

All: -133.172 ± 0.271 χ^2/NDF : 6836.1/92

- sign -134.374 ± 0.385 χ^2/NDF : 3913.2/47

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -170.110 ± 1.250 $\chi^2/\text{NDF}: 1174.1/19$

Left Out: -142.564 ± 0.354 $\chi^2/\text{NDF}: 1147.7/24$

Right Out: -162.354 ± 1.288 $\chi^2/\text{NDF}: 1823.6/24$

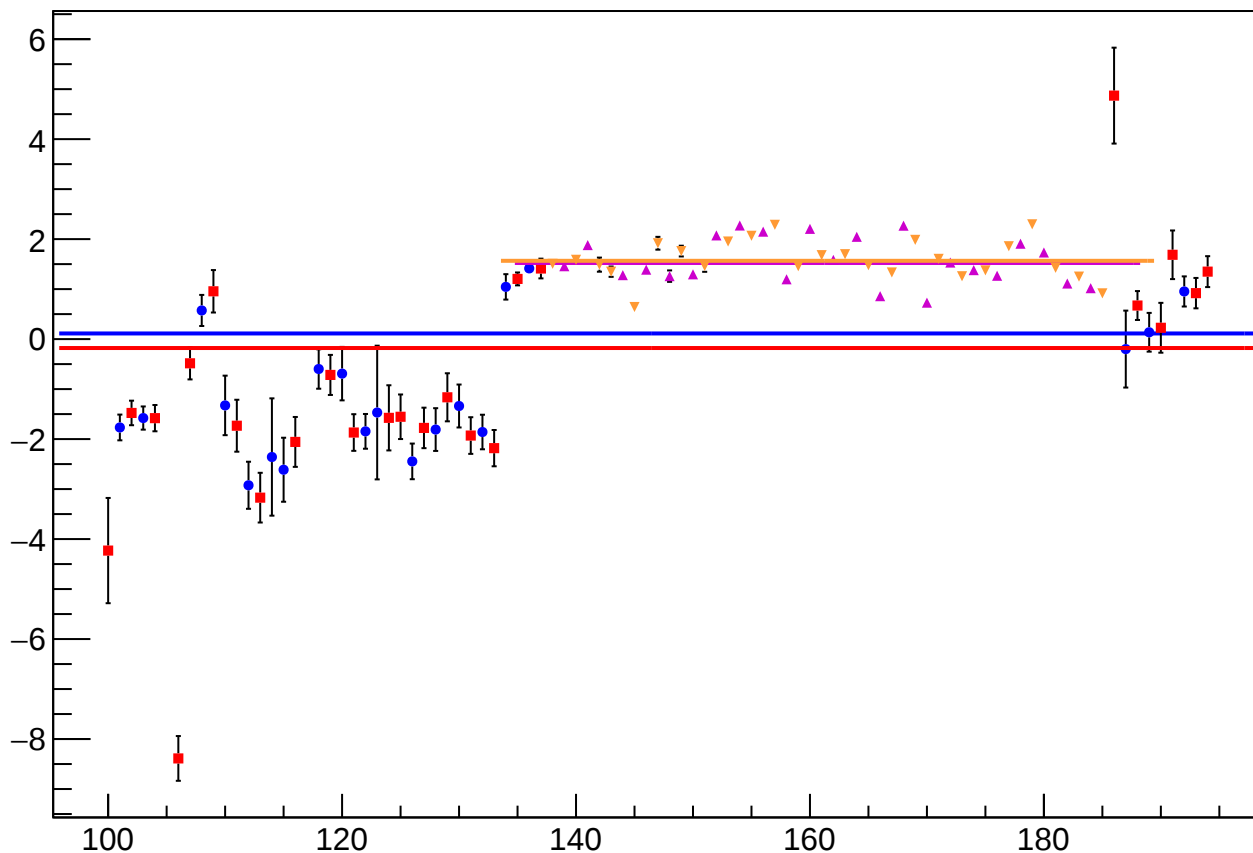
Left In: -141.856 ± 0.364 $\chi^2/\text{NDF}: 1544.3/22$

+ sign -144.610 ± 0.341 $\chi^2/\text{NDF}: 2771.5/44$

All: -144.007 ± 0.244 $\chi^2/\text{NDF}: 6380.2/92$

- sign -143.370 ± 0.350 $\chi^2/\text{NDF}: 3602.3/47$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.113 ± 0.064 χ^2/NDF : 533.5/19

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: -0.178 ± 0.065 χ^2/NDF : 854.2/24

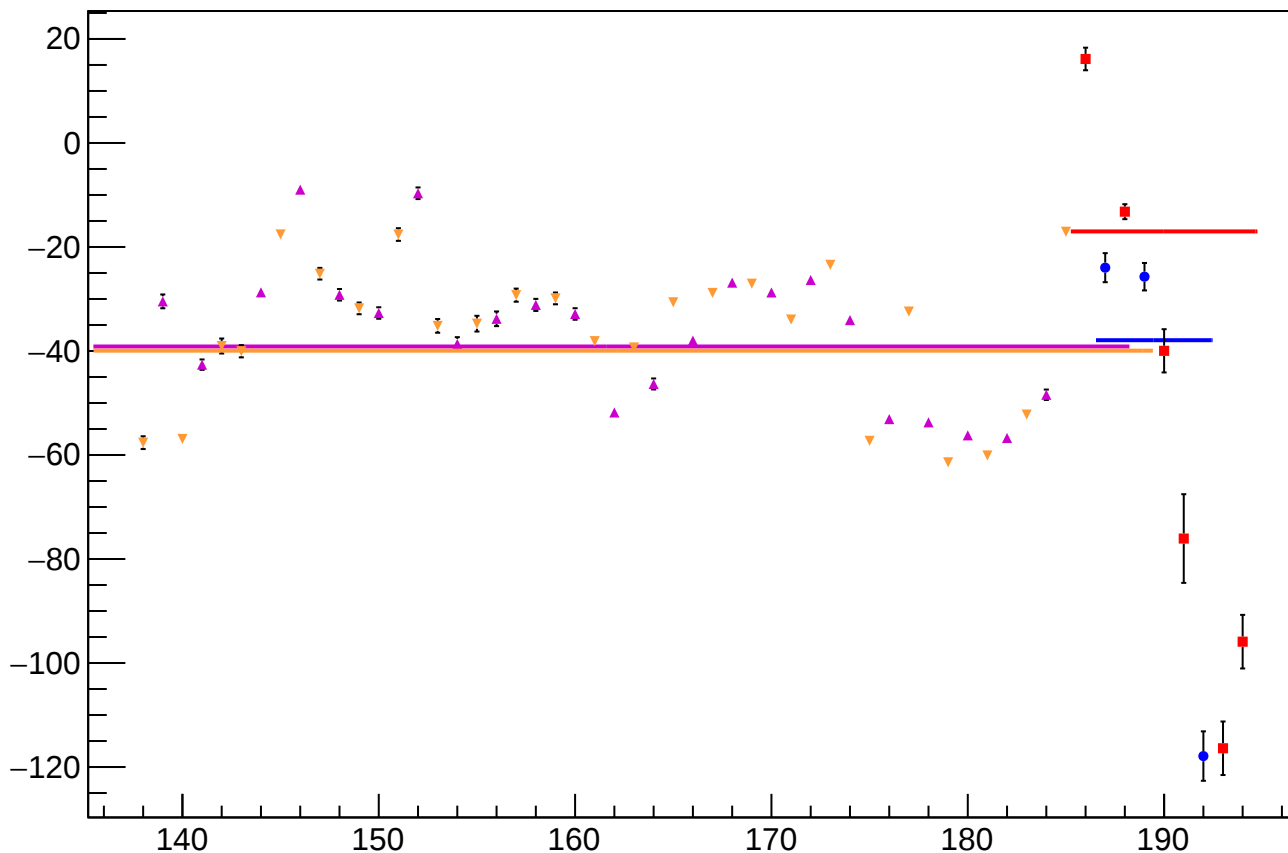
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.480 ± 0.016 χ^2/NDF : 1554.9/44

All: 1.450 ± 0.011 χ^2/NDF : 3803.9/92

- sign 1.419 ± 0.016 χ^2/NDF : 2241.7/47

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -37.927 ± 1.779 $\chi^2/\text{NDF}: 329.3/2$

Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$

Right Out: -17.009 ± 1.090 $\chi^2/\text{NDF}: 925.6/5$

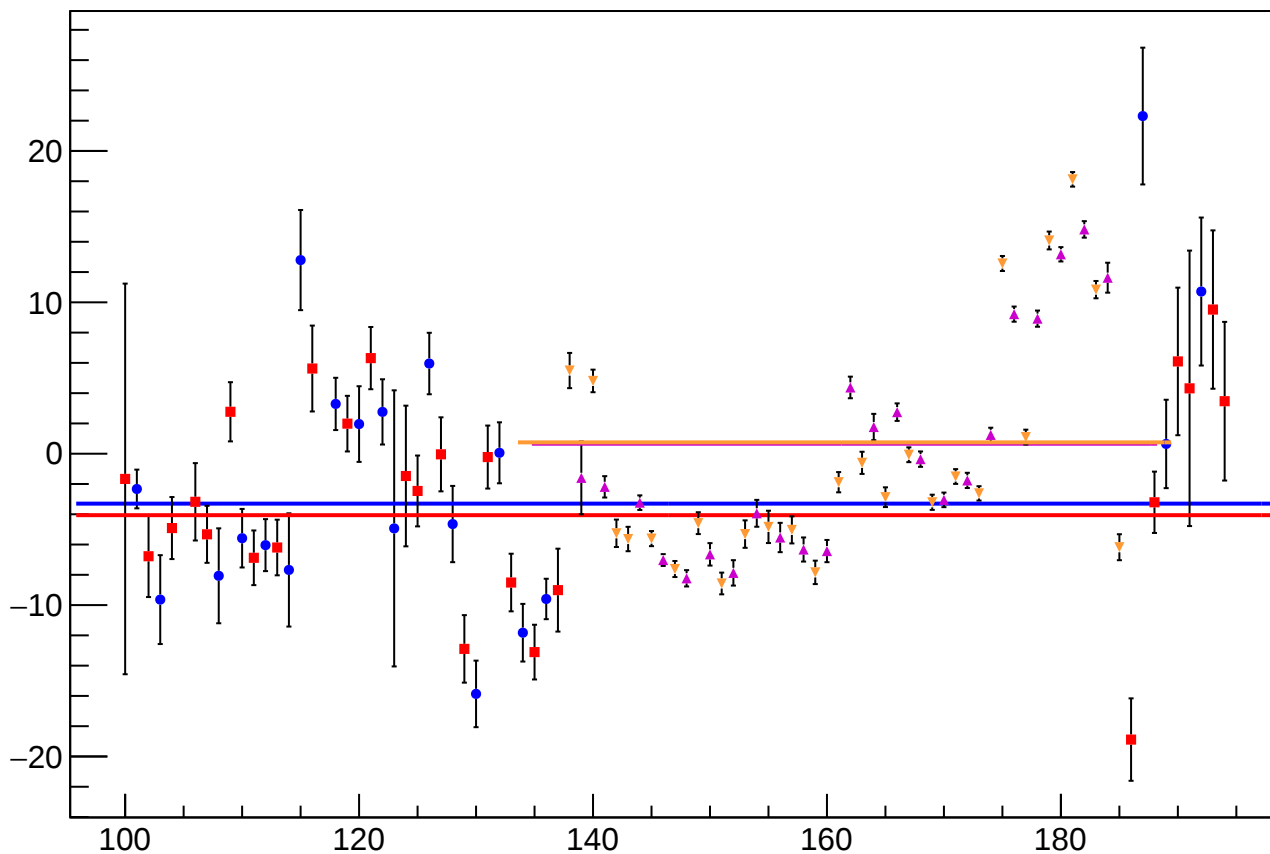
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -39.920 ± 0.153 $\chi^2/\text{NDF}: 10137.1/27$

All: -39.312 ± 0.108 $\chi^2/\text{NDF}: 20032.8/56$

- sign -38.701 ± 0.153 $\chi^2/\text{NDF}: 9863.9/28$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.297 ± 0.487 $\chi^2/\text{NDF}: 204.4/19$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -4.060 ± 0.477 $\chi^2/\text{NDF}: 165.9/24$

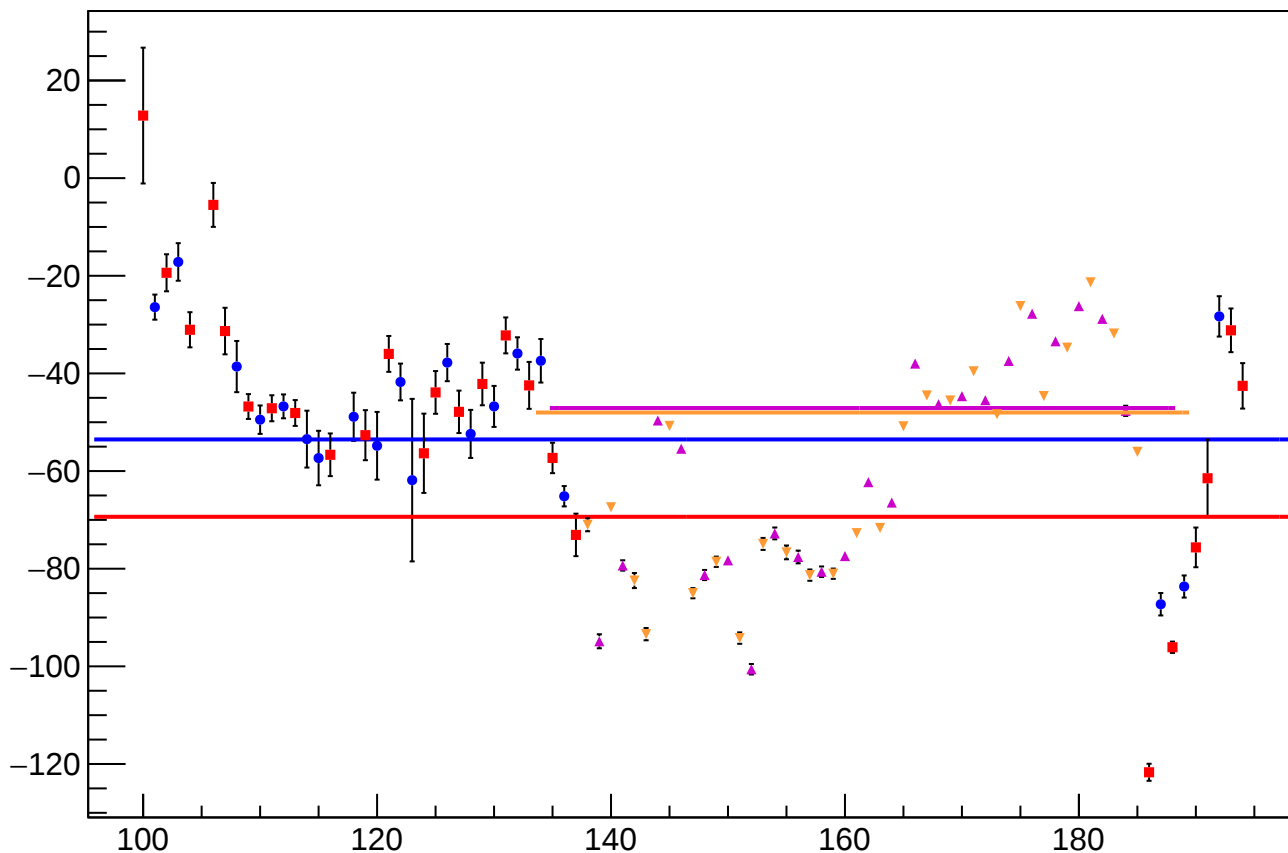
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.502 ± 0.120 $\chi^2/\text{NDF}: 4240.2/44$

All: 0.431 ± 0.085 $\chi^2/\text{NDF}: 7836.1/92$

- sign 0.360 ± 0.120 $\chi^2/\text{NDF}: 3595.3/47$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -53.522 ± 0.762 χ^2/NDF : 752.0/19

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -69.369 ± 0.628 χ^2/NDF : 2690.4/24

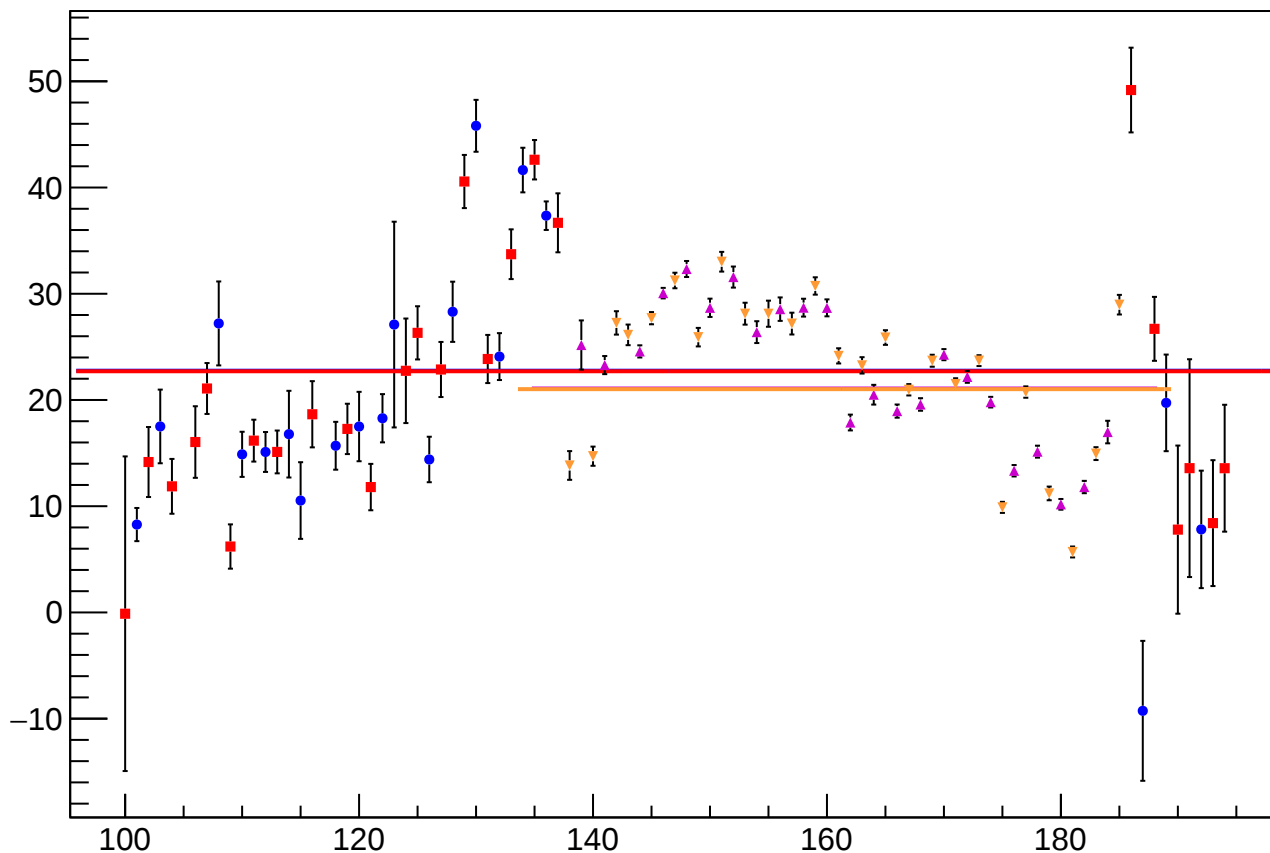
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.226 ± 0.152 χ^2/NDF : 17752.3/44

All: -48.299 ± 0.107 χ^2/NDF : 37146.0/92

- sign -48.371 ± 0.151 χ^2/NDF : 19393.3/47

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.755 $\pm$ 0.551 χ^2 /NDF: 488.9/19

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF: 2799.3/24

Right Out: 22.704 $\pm$ 0.551 χ^2 /NDF: 425.0/24

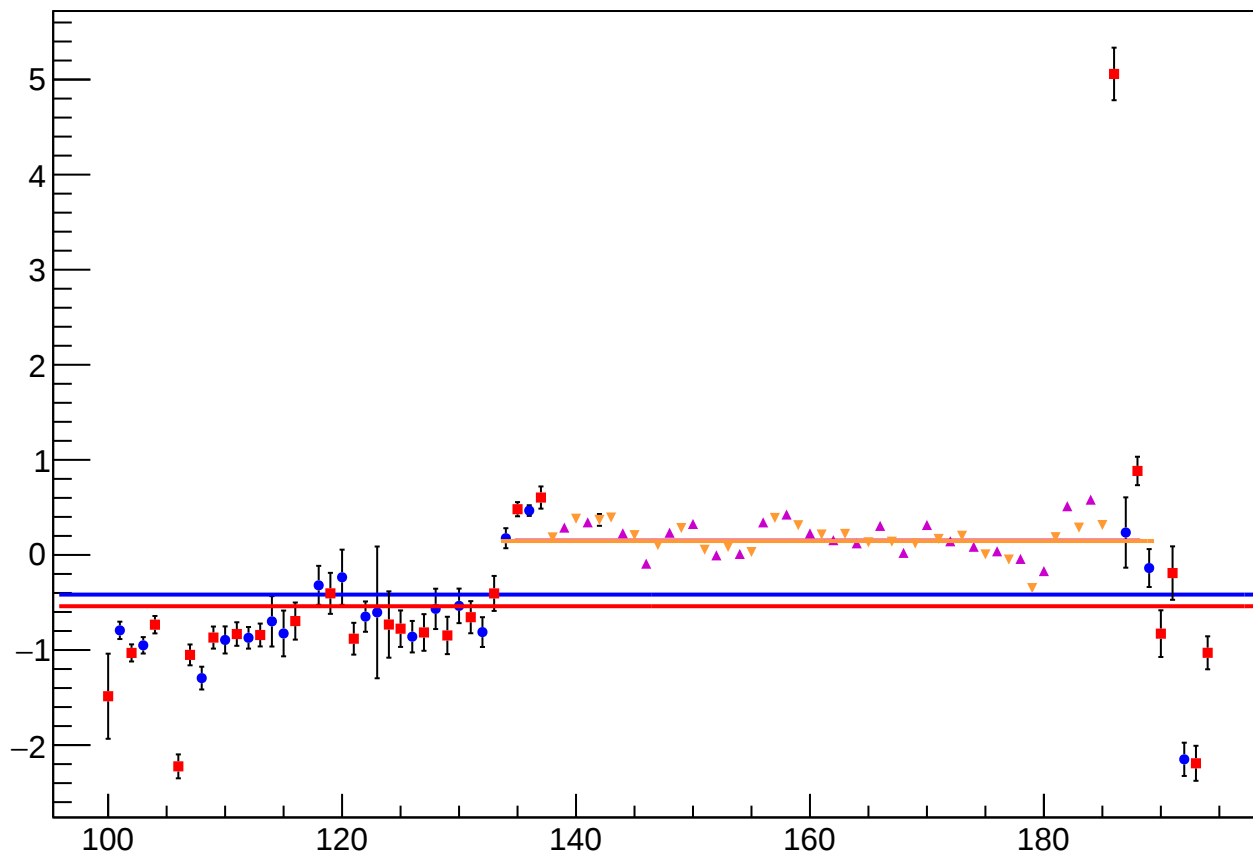
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF: 2173.2/22

+ sign 21.123 $\pm$ 0.135 χ^2 /NDF: 3297.5/44

All: 21.150 $\pm$ 0.095 χ^2 /NDF: 5904.0/92

- sign 21.177 $\pm$ 0.135 χ^2 /NDF: 2606.4/47

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.417 ± 0.029 $\chi^2/\text{NDF}: 542.7/19$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.540 ± 0.028 $\chi^2/\text{NDF}: 1148.1/24$

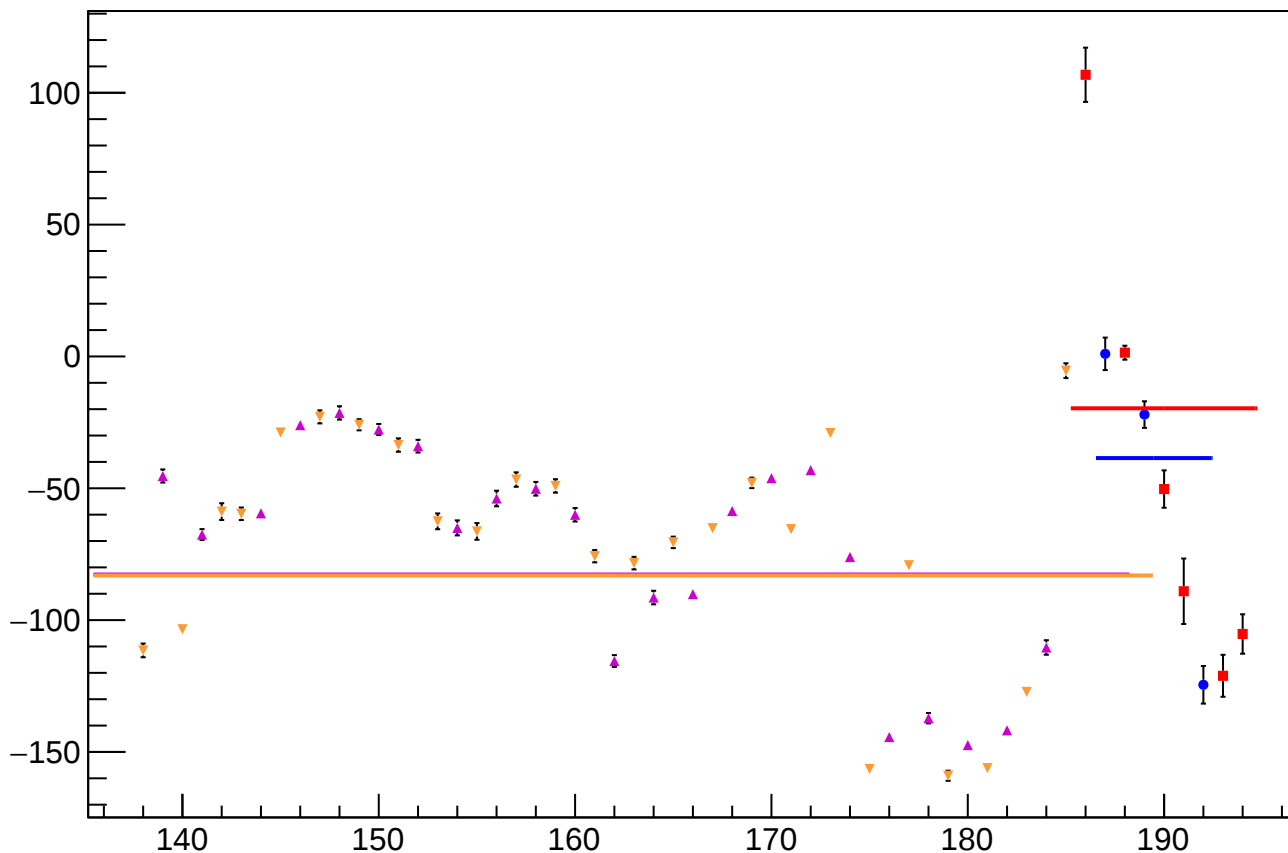
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.121 ± 0.006 $\chi^2/\text{NDF}: 1506.0/44$

All: 0.119 ± 0.004 $\chi^2/\text{NDF}: 4087.9/92$

- sign 0.118 ± 0.006 $\chi^2/\text{NDF}: 2581.7/47$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -38.546 ± 3.424 $\chi^2/\text{NDF}: 197.1/2$

Left Out: -83.068 ± 0.406 $\chi^2/\text{NDF}: 13817.3/24$

Right Out: -19.669 ± 2.174 $\chi^2/\text{NDF}: 558.2/5$

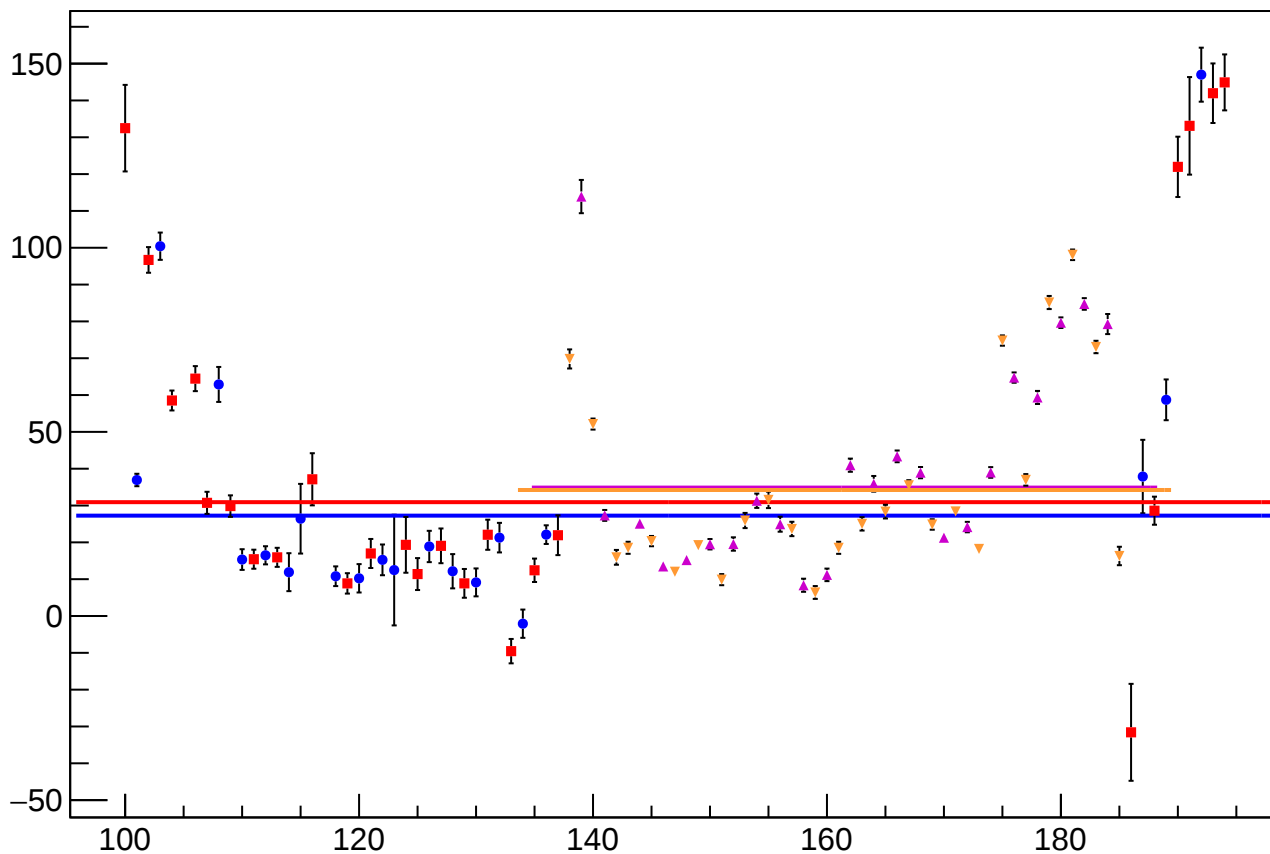
Left In: -82.711 ± 0.415 $\chi^2/\text{NDF}: 10841.4/22$

+ sign -82.450 ± 0.404 $\chi^2/\text{NDF}: 14181.2/27$

All: -81.481 ± 0.287 $\chi^2/\text{NDF}: 26403.8/56$

- sign -80.492 ± 0.408 $\chi^2/\text{NDF}: 12211.0/28$

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 27.254 ± 0.792 χ^2/NDF : 993.9/19

Left Out: 34.219 ± 0.320 χ^2/NDF : 6192.6/24

Right Out: 30.914 ± 0.779 χ^2/NDF : 1650.2/24

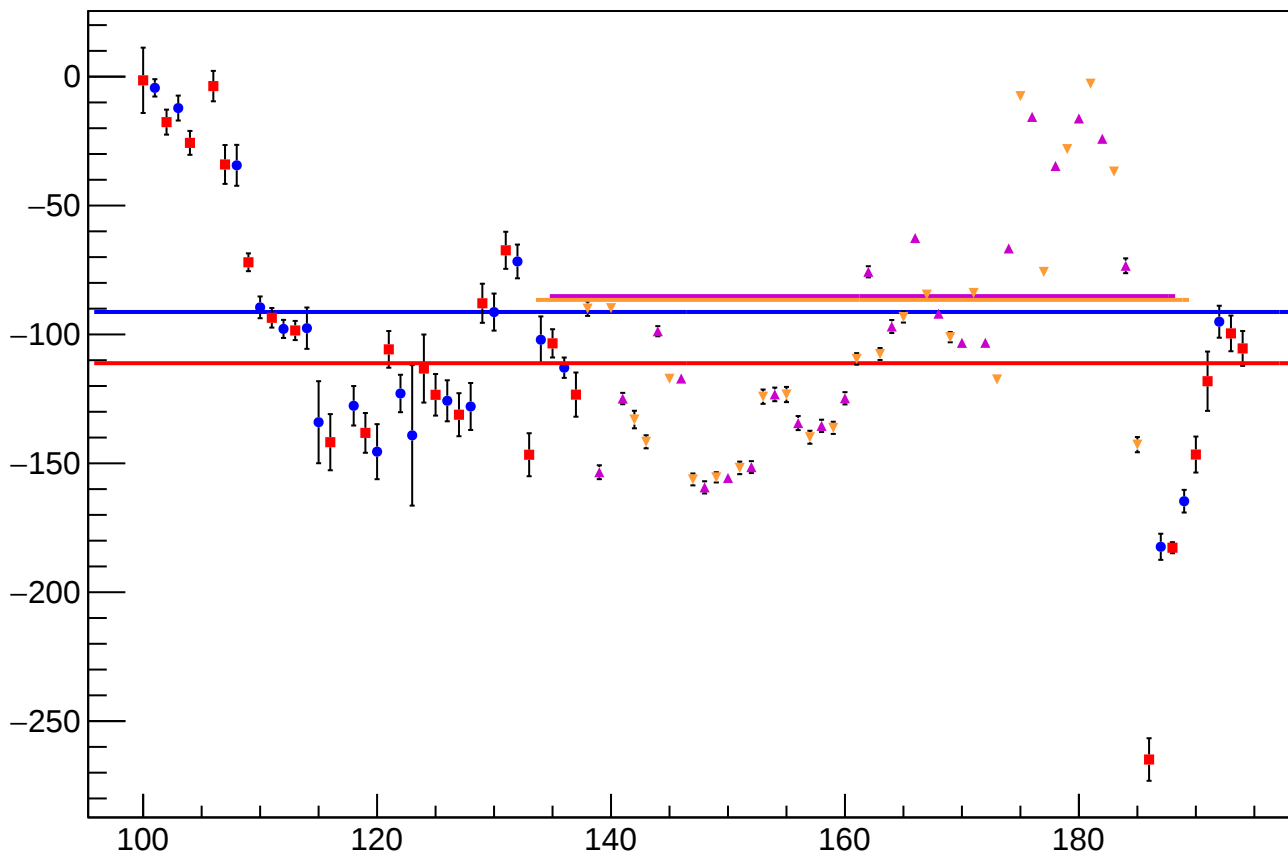
Left In: 34.870 ± 0.329 χ^2/NDF : 4716.1/22

+ sign 33.240 ± 0.297 χ^2/NDF : 7252.9/44

All: 33.744 ± 0.212 χ^2/NDF : 13647.0/92

- sign 34.270 ± 0.303 χ^2/NDF : 6388.2/47

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -91.285 ± 1.277 $\chi^2/\text{NDF}: 1744.5/19$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -111.154 ± 1.086 $\chi^2/\text{NDF}: 2972.6/24$

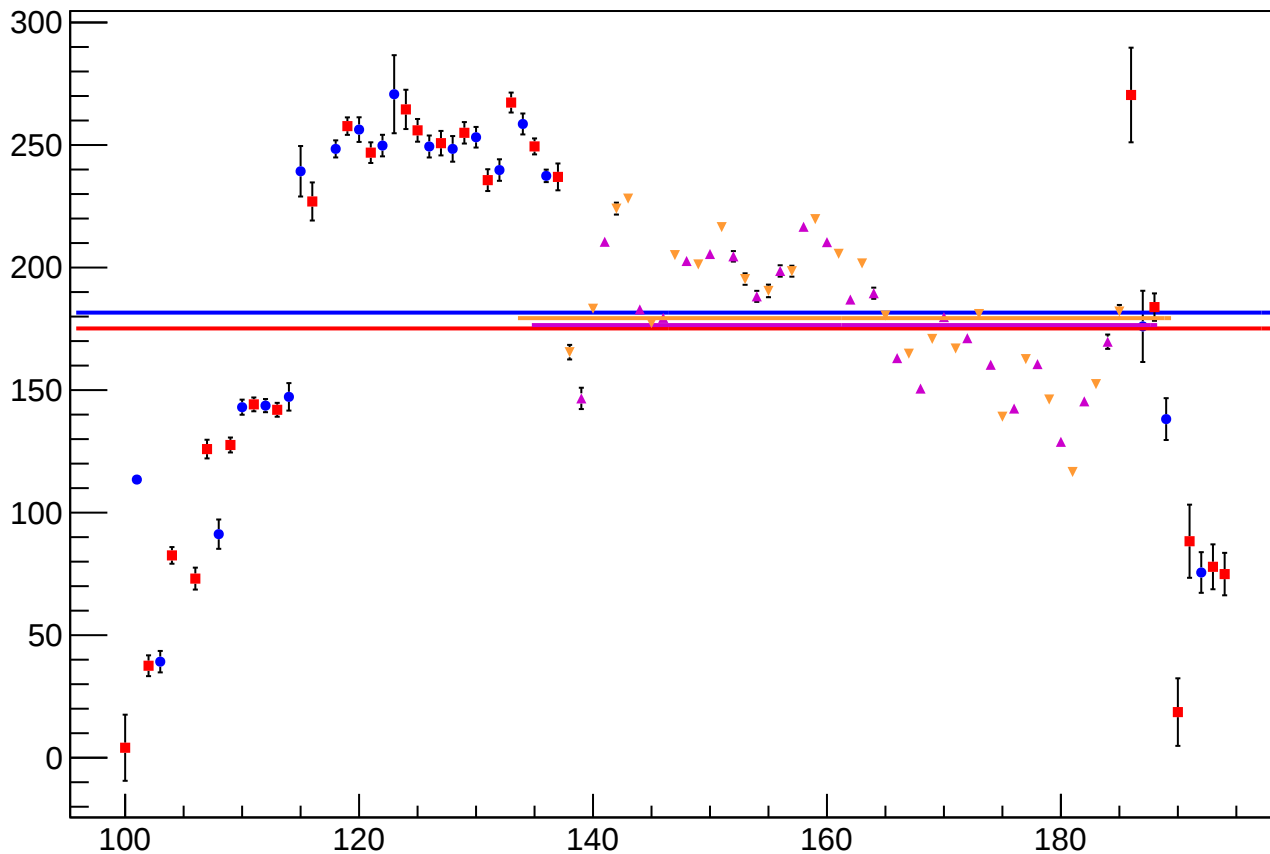
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -87.030 ± 0.389 $\chi^2/\text{NDF}: 16272.4/44$

All: -87.744 ± 0.275 $\chi^2/\text{NDF}: 32594.1/92$

- sign -88.452 ± 0.388 $\chi^2/\text{NDF}: 16315.1/47$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 181.616 $\pm$ 0.908 χ^2 /NDF: 5511.7/19

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 175.152 $\pm$ 0.899 χ^2 /NDF: 6781.3/24

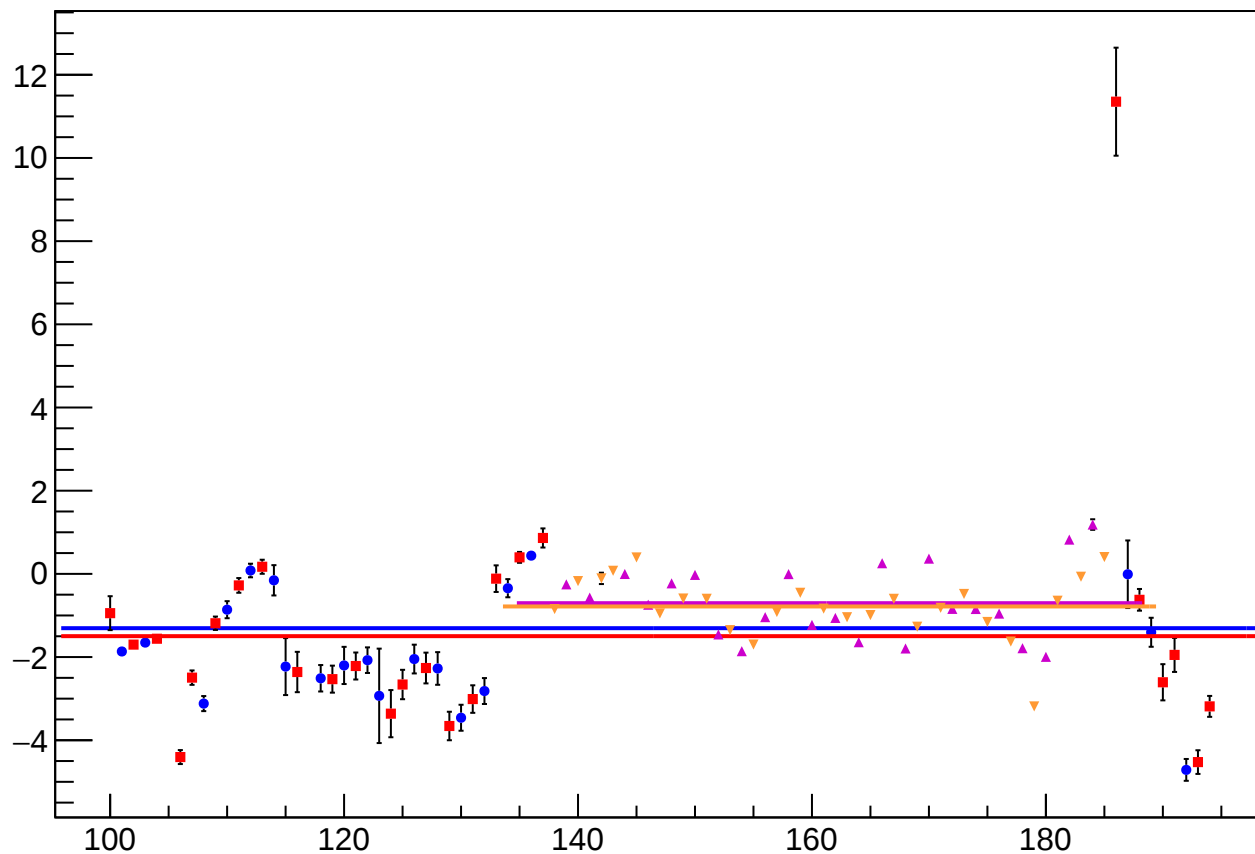
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 179.669 $\pm$ 0.336 χ^2 /NDF: 11499.2/44

All: 178.033 $\pm$ 0.240 χ^2 /NDF: 22756.9/92

- sign 176.331 $\pm$ 0.343 χ^2 /NDF: 11209.3/47

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.306 ± 0.047 χ^2/NDF : 797.0/19

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.497 ± 0.043 χ^2/NDF : 1200.2/24

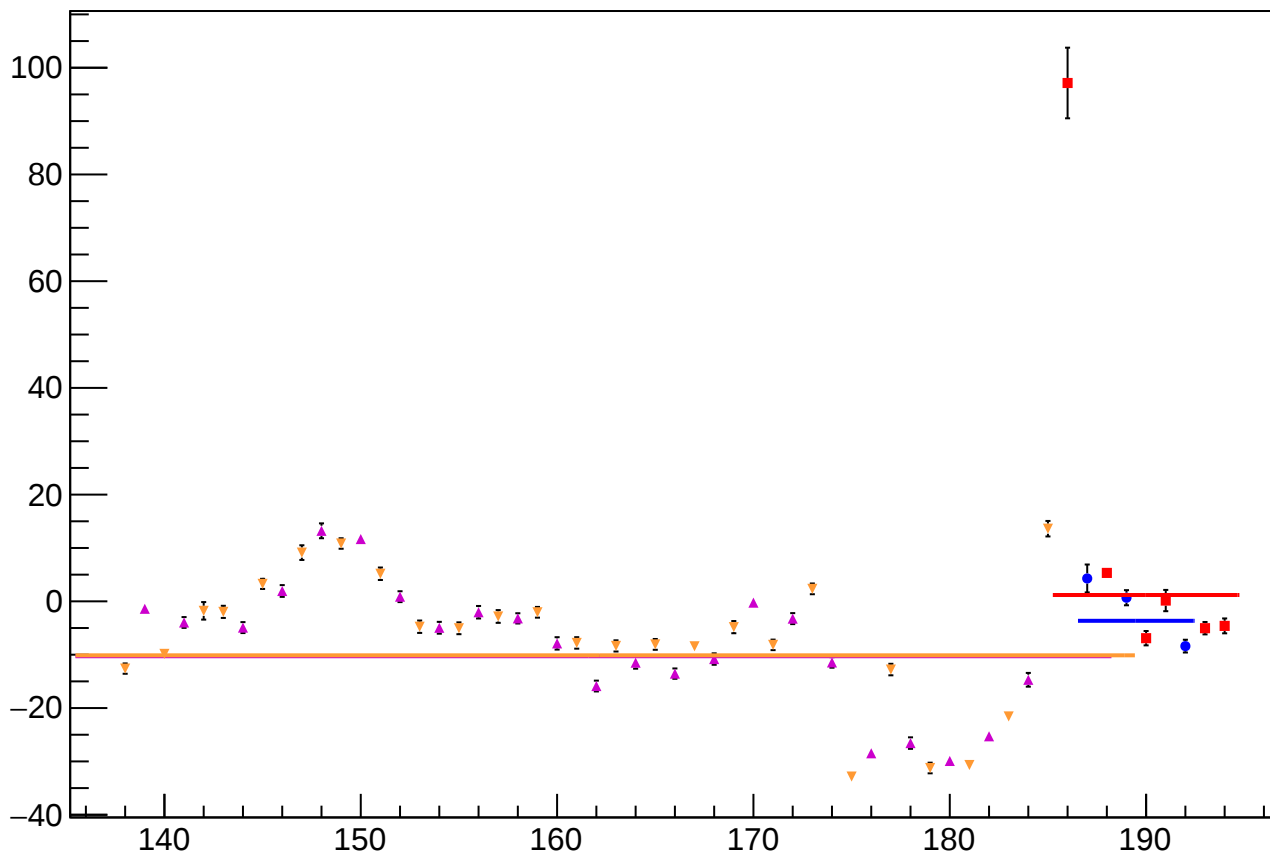
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.842 ± 0.016 χ^2/NDF : 2678.8/44

All: -0.826 ± 0.011 χ^2/NDF : 6578.1/92

- sign -0.809 ± 0.016 χ^2/NDF : 3897.2/47

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -3.649 ± 0.863 χ^2/NDF : 34.2/2

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: 1.186 ± 0.470 χ^2/NDF : 334.3/5

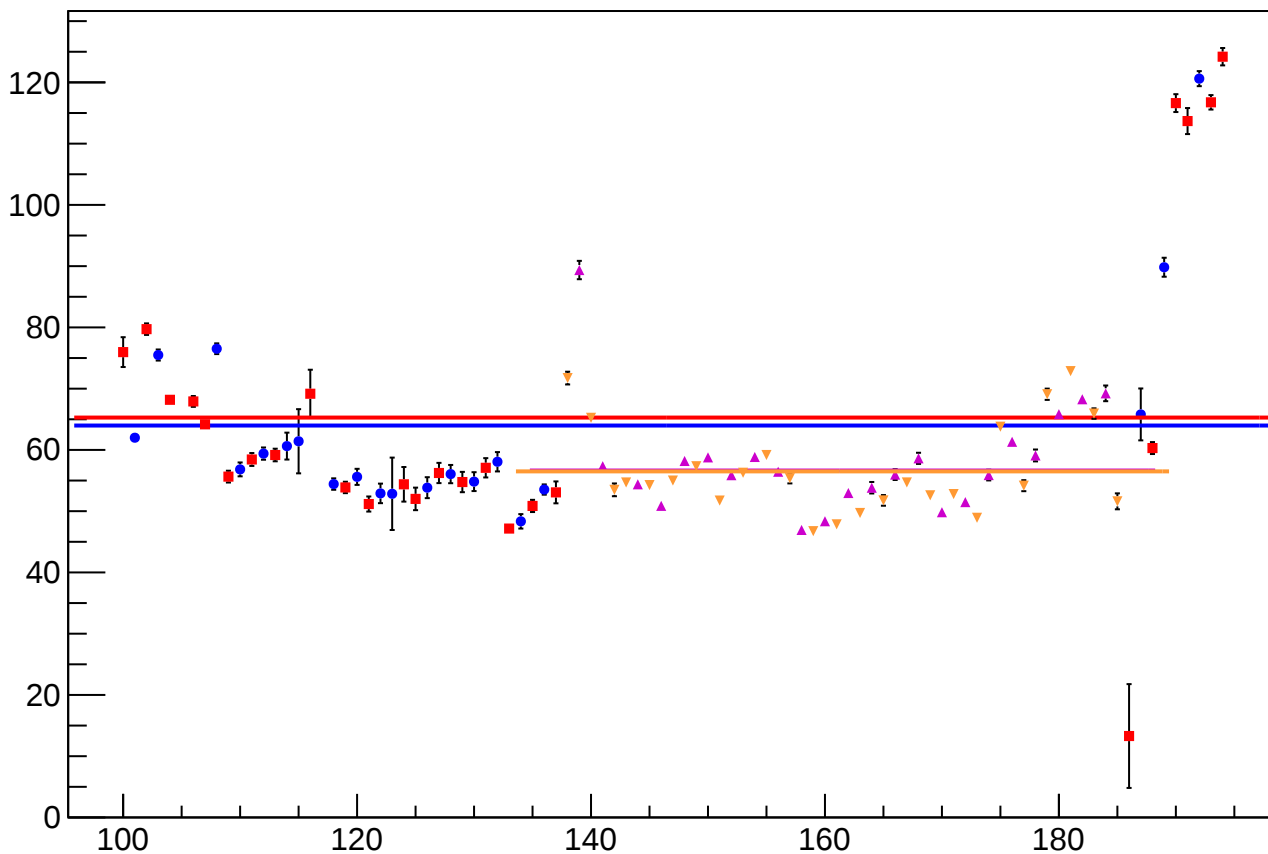
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -9.783 ± 0.196 χ^2/NDF : 4225.6/27

All: -9.090 ± 0.136 χ^2/NDF : 8535.2/56

- sign -8.451 ± 0.188 χ^2/NDF : 4285.6/28

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 63.981 ± 0.254 $\chi^2/\text{NDF}: 3490.1/19$

Left Out: 56.496 ± 0.159 $\chi^2/\text{NDF}: 1968.0/24$

Right Out: 65.281 ± 0.228 $\chi^2/\text{NDF}: 7330.3/24$

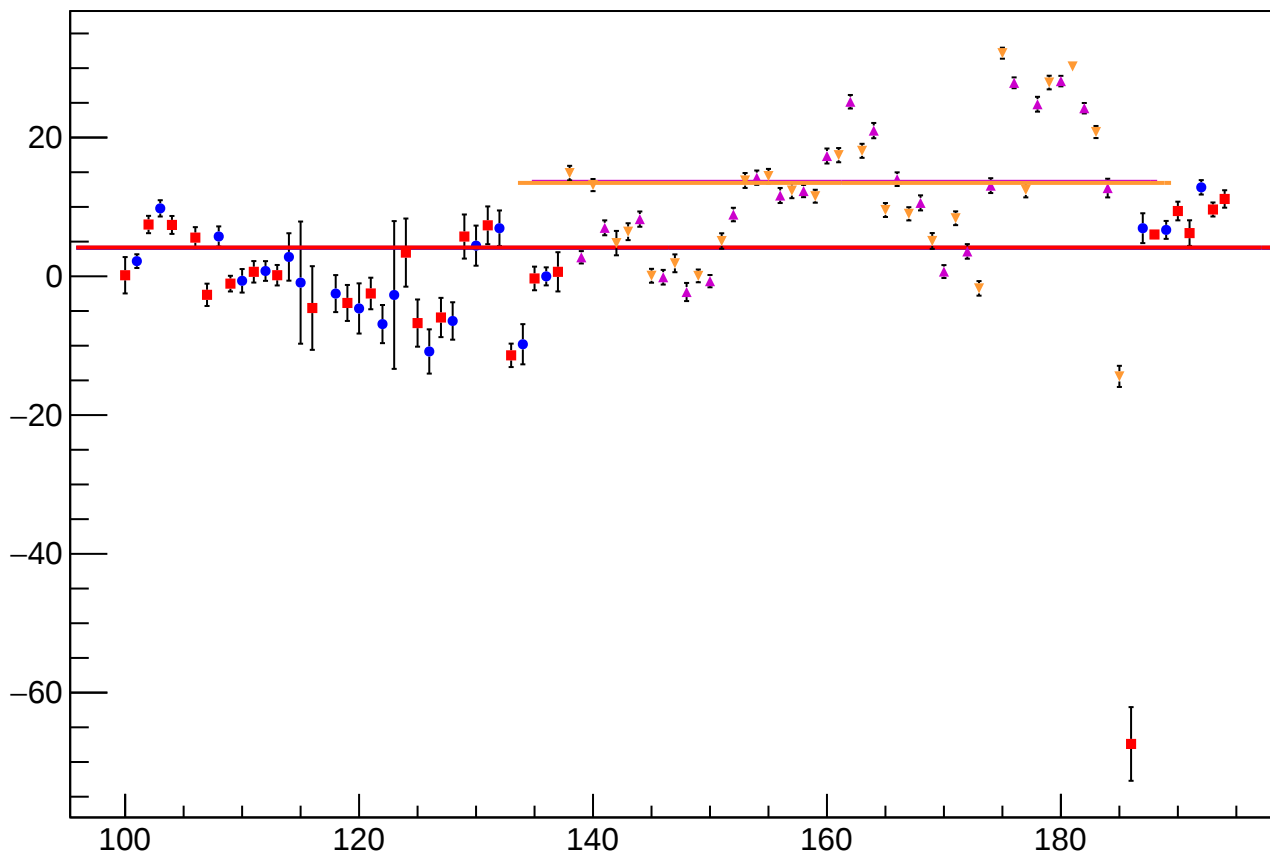
Left In: 56.635 ± 0.165 $\chi^2/\text{NDF}: 1607.9/22$

+ sign 58.607 ± 0.135 $\chi^2/\text{NDF}: 6083.9/44$

All: 59.112 ± 0.095 $\chi^2/\text{NDF}: 15993.5/92$

- sign 59.610 ± 0.134 $\chi^2/\text{NDF}: 9881.7/47$

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 4.107 ± 0.393 χ^2/NDF : 218.0/19

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 4.152 ± 0.292 χ^2/NDF : 477.3/24

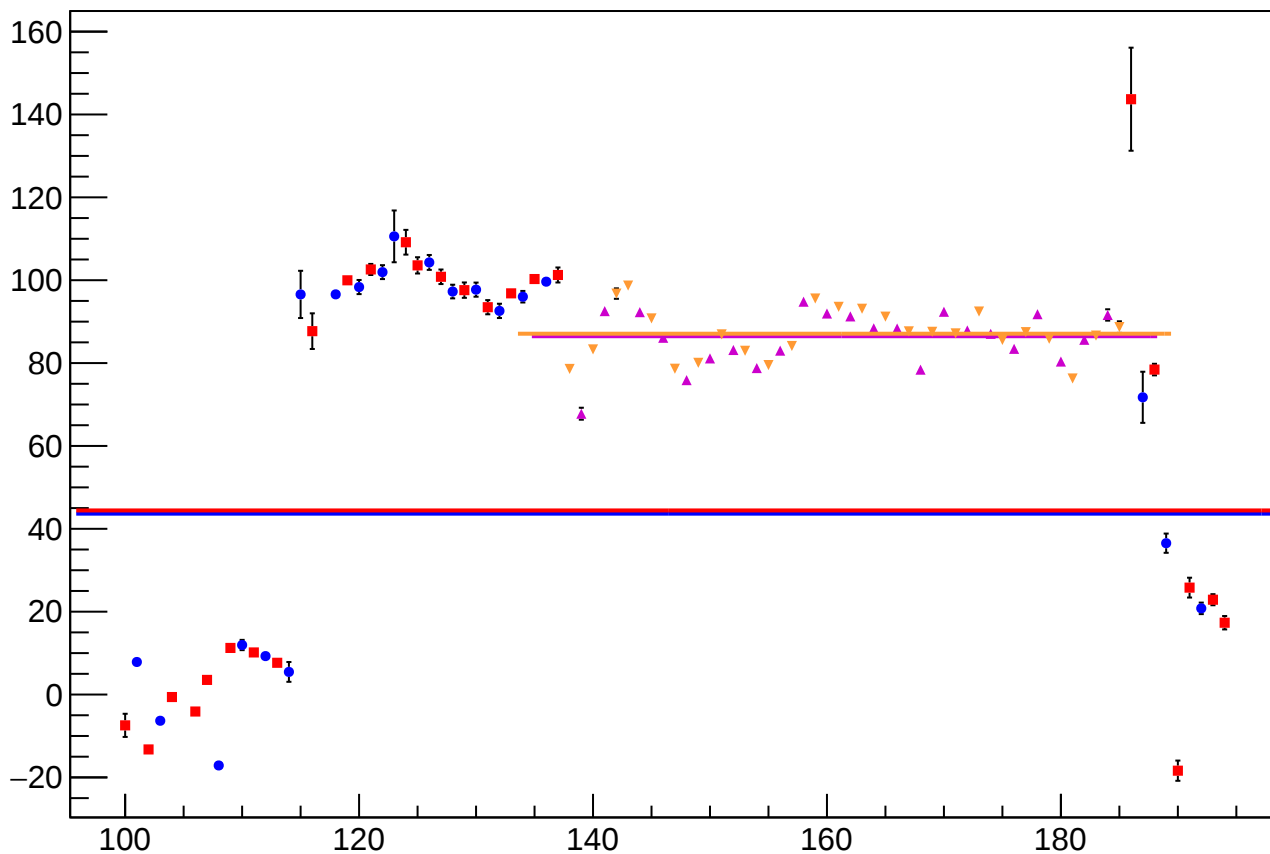
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.514 ± 0.179 χ^2/NDF : 3403.2/44

All: 10.975 ± 0.122 χ^2/NDF : 6918.6/92

- sign 10.504 ± 0.167 χ^2/NDF : 3498.5/47

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.661 $\pm$ 0.295 χ^2 /NDF: 25015.5/19

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 44.433 $\pm$ 0.270 χ^2 /NDF: 30161.8/24

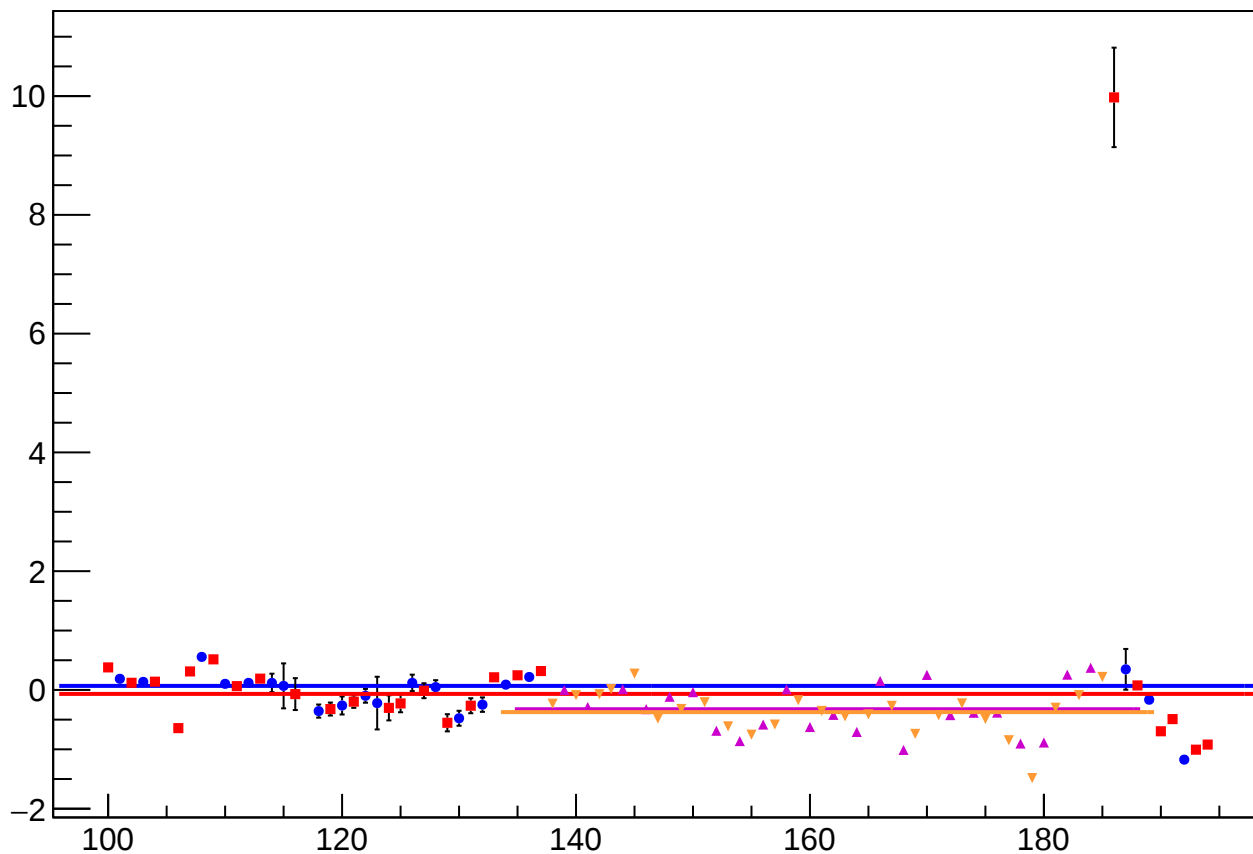
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 75.402 $\pm$ 0.153 χ^2 /NDF: 41924.0/44

All: 74.239 $\pm$ 0.108 χ^2 /NDF: 89729.8/92

- sign 73.087 $\pm$ 0.152 χ^2 /NDF: 47690.9/47

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.068 ± 0.013 χ^2/NDF : 1117.2/19

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.067 ± 0.011 χ^2/NDF : 1800.2/24

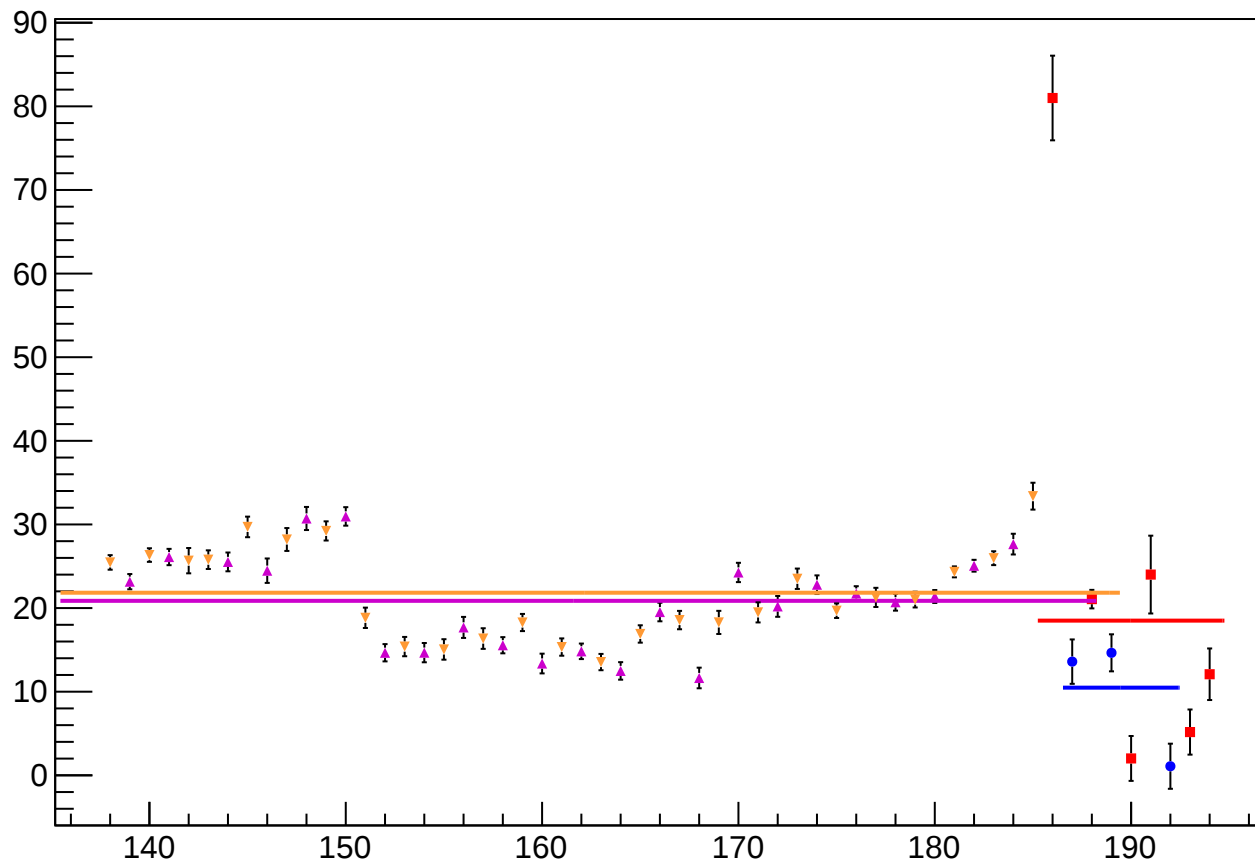
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.252 ± 0.007 χ^2/NDF : 3596.6/44

All: -0.245 ± 0.005 χ^2/NDF : 8018.2/92

- sign -0.238 ± 0.007 χ^2/NDF : 4419.4/47

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 10.483 ± 1.438 $\chi^2/\text{NDF}: 17.0/2$

Left Out: 21.836 ± 0.210 $\chi^2/\text{NDF}: 524.3/24$

Right Out: 18.499 ± 0.883 $\chi^2/\text{NDF}: 225.6/5$

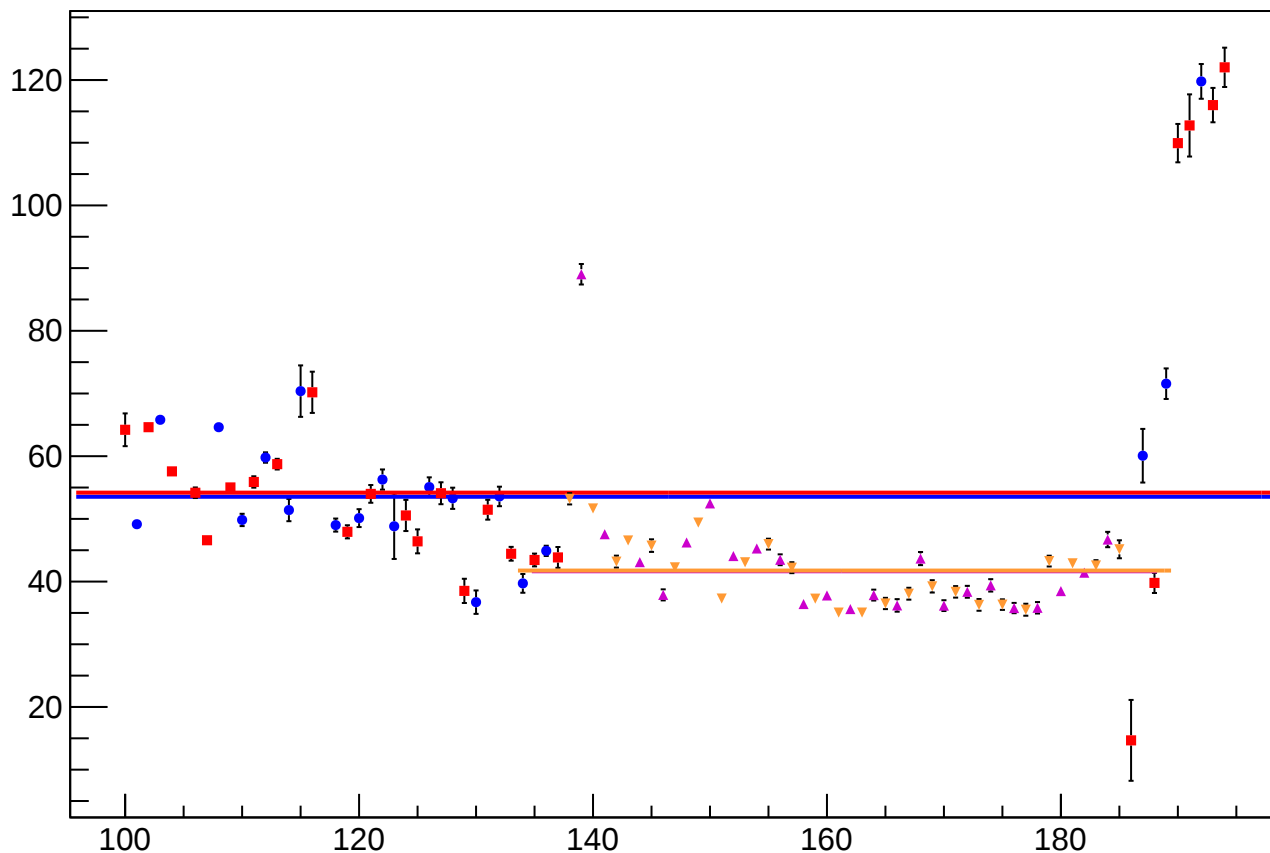
Left In: 20.866 ± 0.217 $\chi^2/\text{NDF}: 576.9/22$

+ sign 21.600 ± 0.208 $\chi^2/\text{NDF}: 602.4/27$

All: 21.171 ± 0.148 $\chi^2/\text{NDF}: 1420.3/56$

- sign 20.731 ± 0.210 $\chi^2/\text{NDF}: 809.3/28$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 53.529 ± 0.209 χ^2/NDF : 1832.5/19

Left Out: 41.757 ± 0.165 χ^2/NDF : 1015.7/24

Right Out: 54.187 ± 0.222 χ^2/NDF : 2456.5/24

Left In: 41.643 ± 0.174 χ^2/NDF : 1611.0/22

+ sign 46.278 ± 0.130 χ^2/NDF : 4794.7/44

All: 46.336 ± 0.094 χ^2/NDF : 10838.6/92

- sign 46.400 ± 0.137 χ^2/NDF : 6043.5/47

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 2.556 ± 0.350 χ^2/NDF : 3155.5/19

Left Out: 52.076 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: 10.265 ± 0.336 χ^2/NDF : 5057.6/24

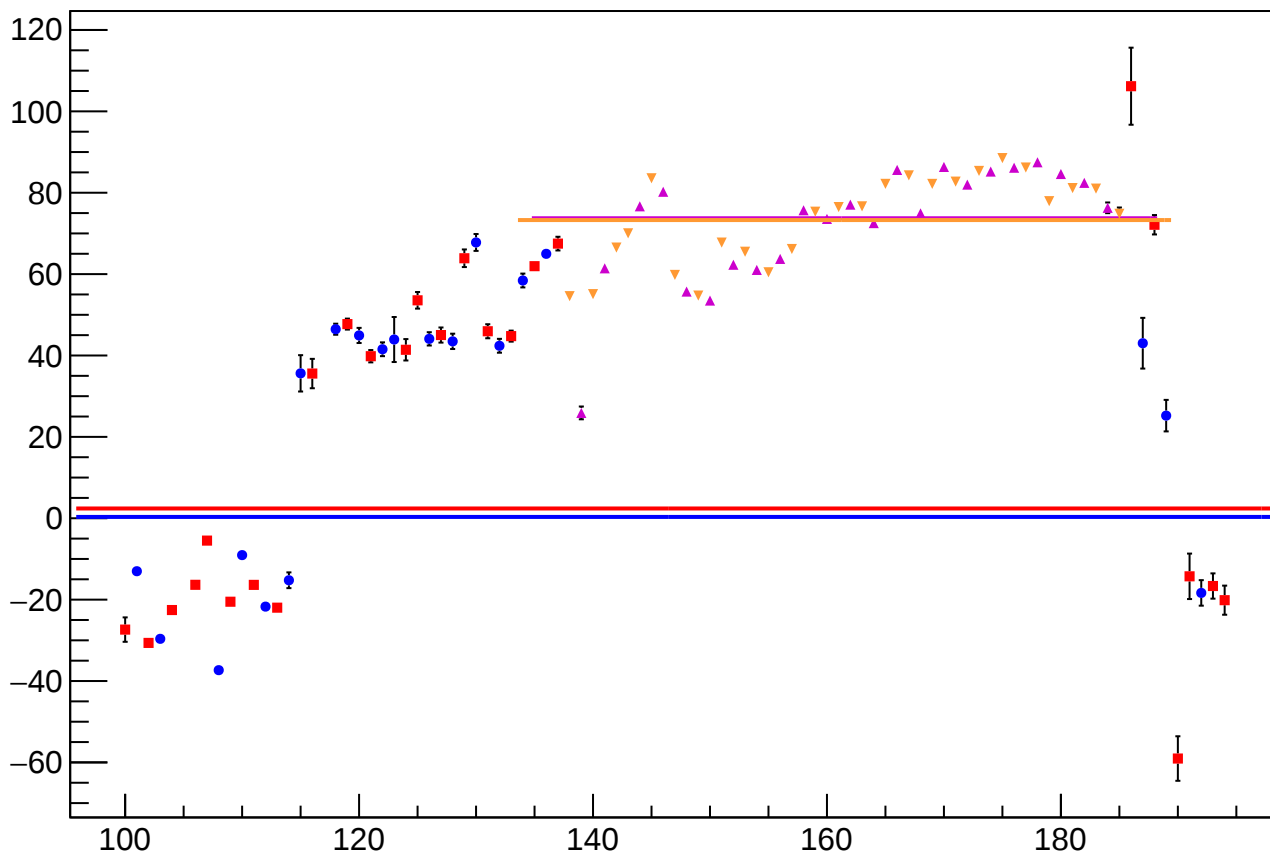
Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

+ sign 38.956 ± 0.180 χ^2/NDF : 19338.6/44

All: 39.913 ± 0.128 χ^2/NDF : 37320.0/92

- sign 40.884 ± 0.181 χ^2/NDF : 17924.5/47

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.328 ± 0.246 χ^2/NDF : 18343.8/19

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.404 ± 0.263 χ^2/NDF : 16605.4/24

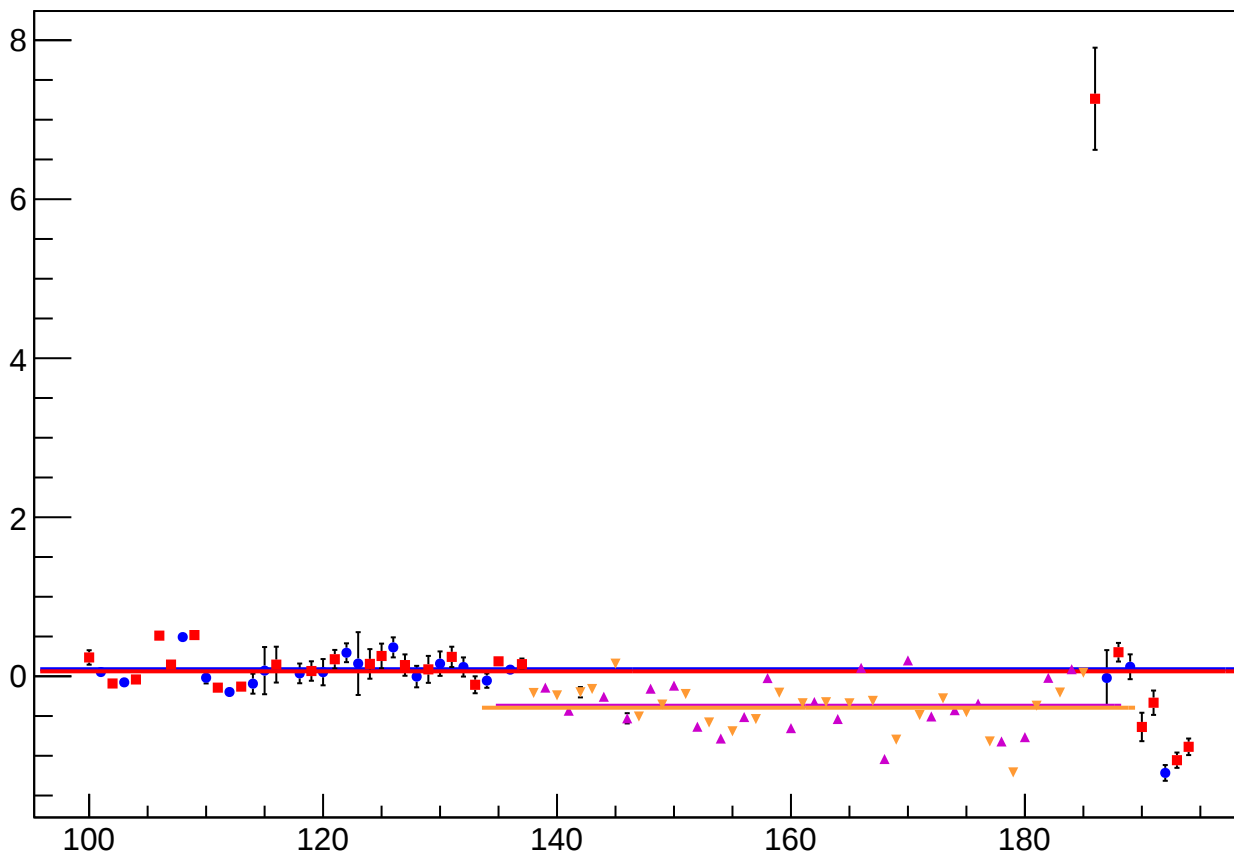
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.618 ± 0.149 χ^2/NDF : 77212.1/44

All: 47.518 ± 0.108 χ^2/NDF : 145304.1/92

- sign 48.509 ± 0.156 χ^2/NDF : 68015.3/47

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.089 $\pm$ 0.011 χ^2/NDF : 576.2/19

Left Out: -0.396 $\pm$ 0.009 χ^2/NDF : 950.0/24

Right Out: 0.062 $\pm$ 0.011 χ^2/NDF : 765.7/24

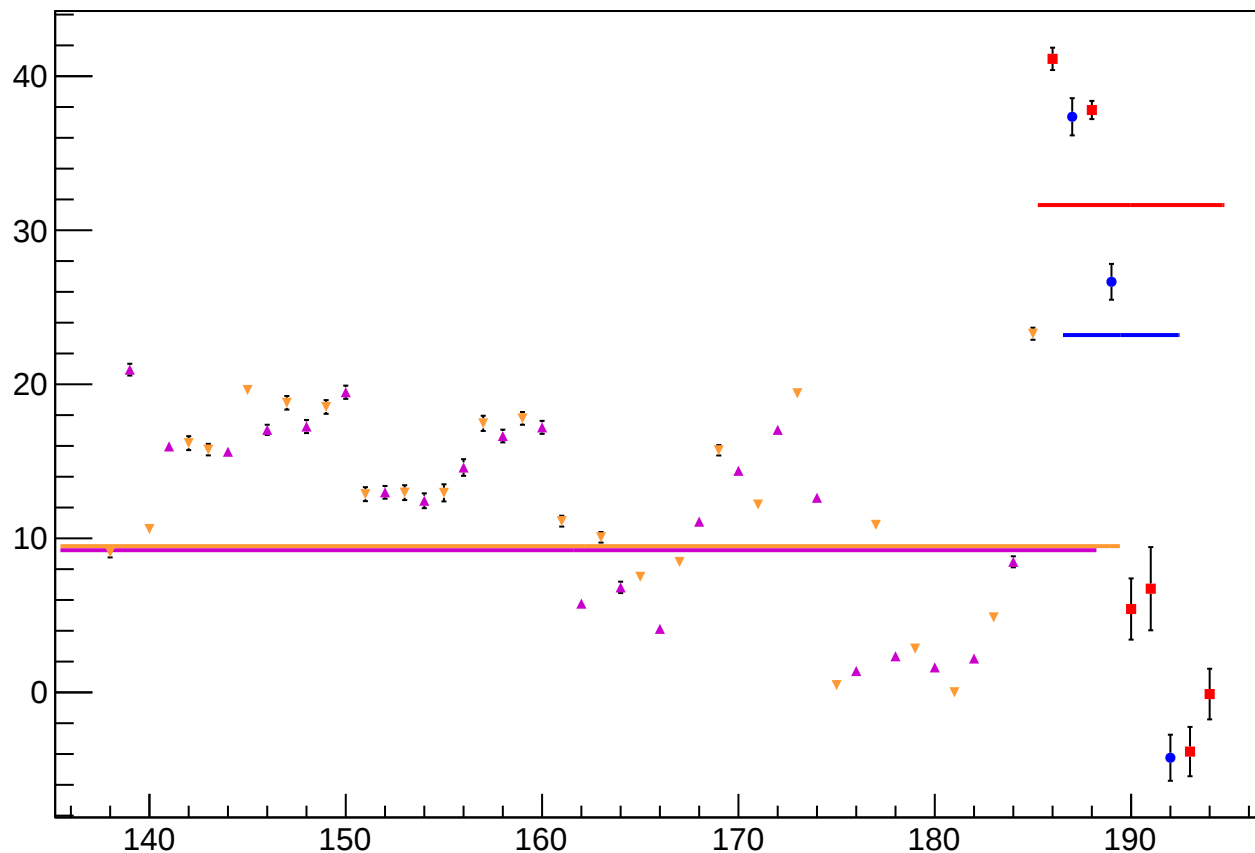
Left In: -0.371 $\pm$ 0.009 χ^2/NDF : 1313.7/22

+ sign -0.212 $\pm$ 0.007 χ^2/NDF : 2742.7/44

All: -0.206 $\pm$ 0.005 χ^2/NDF : 5797.6/92

- sign -0.200 $\pm$ 0.007 χ^2/NDF : 3053.3/47

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 23.197 $\pm$ 0.731 χ^2 /NDF: 482.9/2

Left Out: 9.495 $\pm$ 0.061 χ^2 /NDF:12609.1/24

Right Out: 31.635 $\pm$ 0.411 χ^2 /NDF: 1402.7/5

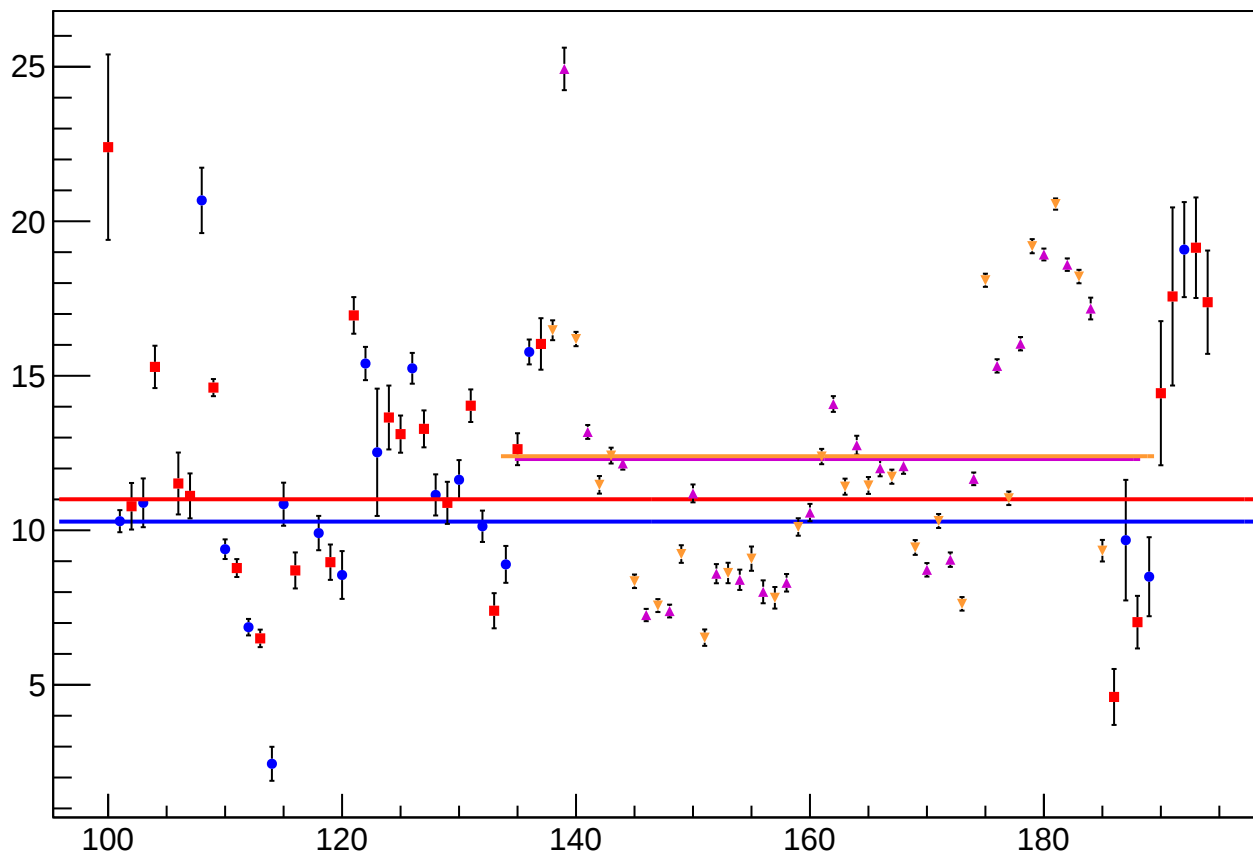
Left In: 9.231 $\pm$ 0.063 χ^2 /NDF:10736.2/22

+ sign 9.590 $\pm$ 0.061 χ^2 /NDF: 13440.9/27

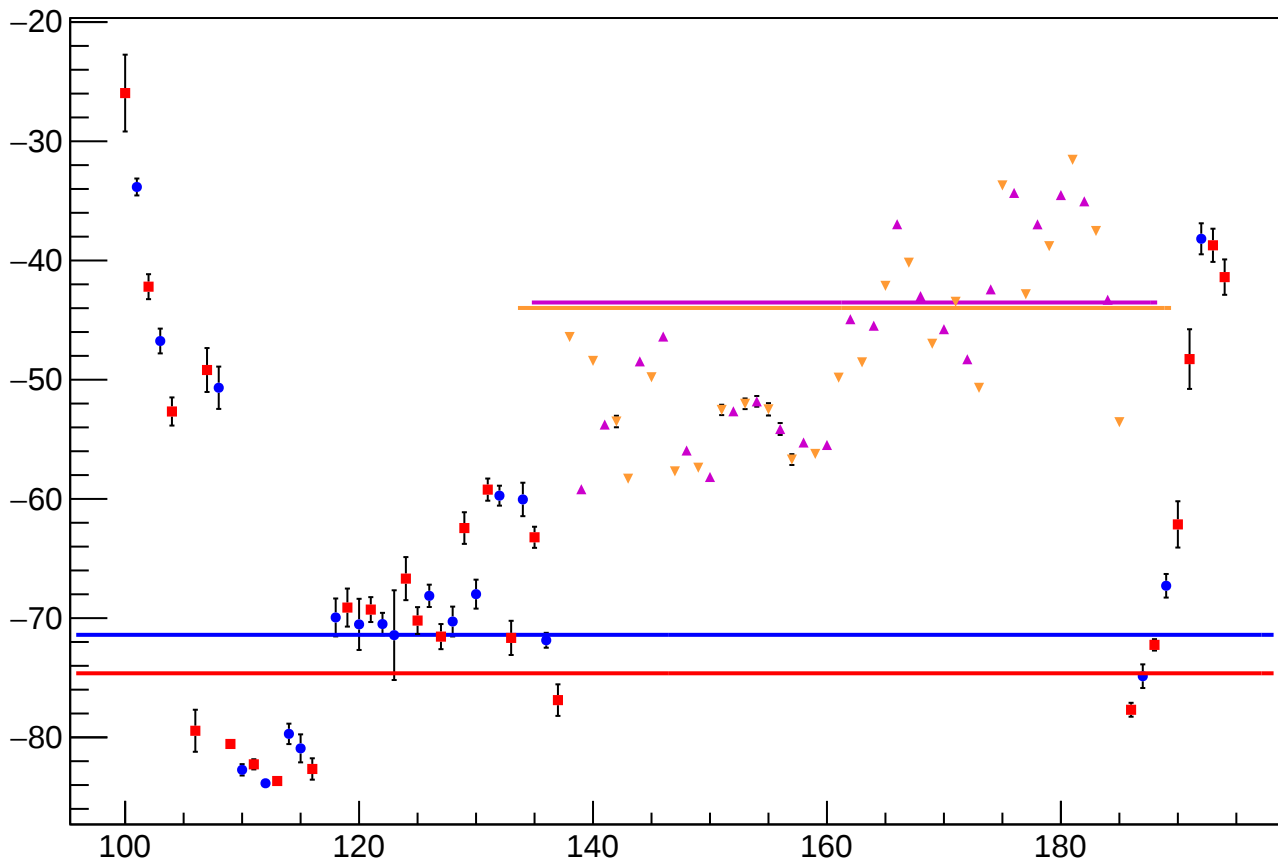
All: 9.666 $\pm$ 0.044 χ^2 /NDF: 28480.0/56

- sign 9.745 $\pm$ 0.062 χ^2 /NDF: 15036.0/28

reg_asym_sam7_diff_bpm4aY_slope vs Slug



reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -71.400 ± 0.189 χ^2/NDF : 6261.0/19

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -74.627 ± 0.160 χ^2/NDF : 4889.7/24

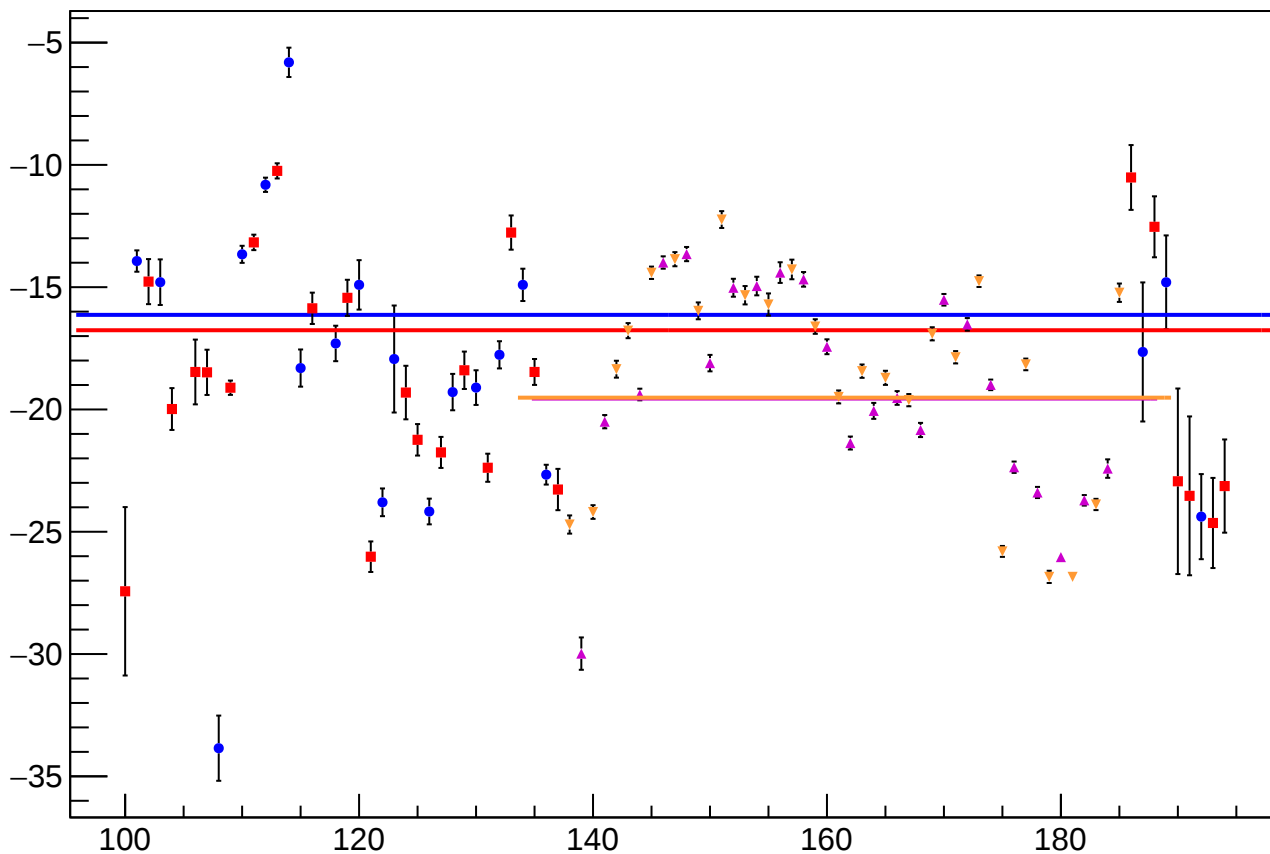
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -46.643 ± 0.059 χ^2/NDF : 43018.7/44

All: -47.194 ± 0.042 χ^2/NDF : 96108.6/92

- sign -47.746 ± 0.059 χ^2/NDF : 52914.3/47

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.132 ± 0.132 χ^2/NDF : 1644.0/19

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.761 ± 0.126 χ^2/NDF : 1281.4/24

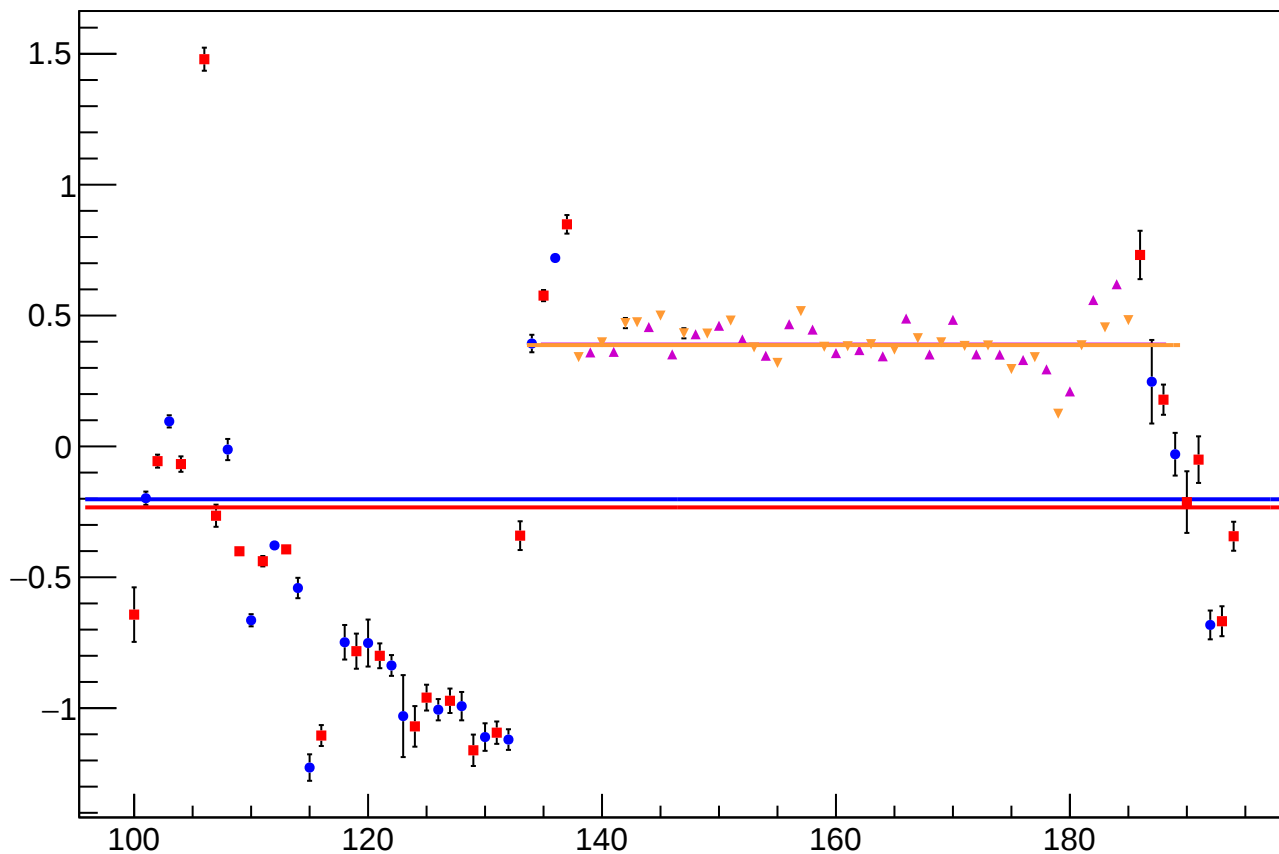
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.004 ± 0.051 χ^2/NDF : 8720.5/44

All: -19.040 ± 0.037 χ^2/NDF : 14719.8/92

- sign -19.078 ± 0.052 χ^2/NDF : 5998.2/47

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.202 ± 0.007 $\chi^2/\text{NDF}: 6405.7/19$

Left Out: 0.387 ± 0.003 $\chi^2/\text{NDF}: 995.0/24$

Right Out: -0.233 ± 0.007 $\chi^2/\text{NDF}: 6402.8/24$

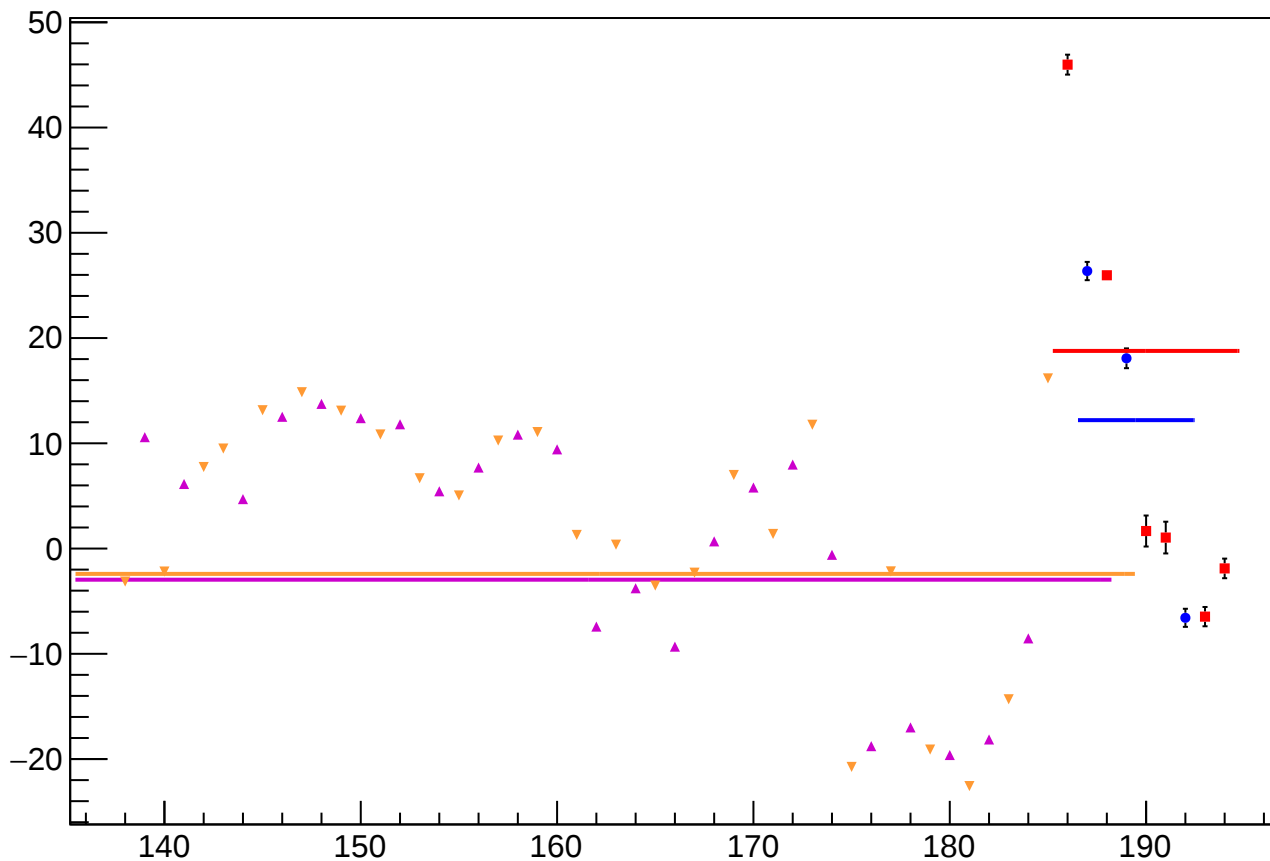
Left In: 0.389 ± 0.003 $\chi^2/\text{NDF}: 1256.9/22$

+ sign 0.325 ± 0.002 $\chi^2/\text{NDF}: 12997.5/44$

All: 0.319 ± 0.002 $\chi^2/\text{NDF}: 27662.9/92$

- sign 0.312 ± 0.002 $\chi^2/\text{NDF}: 14651.4/47$

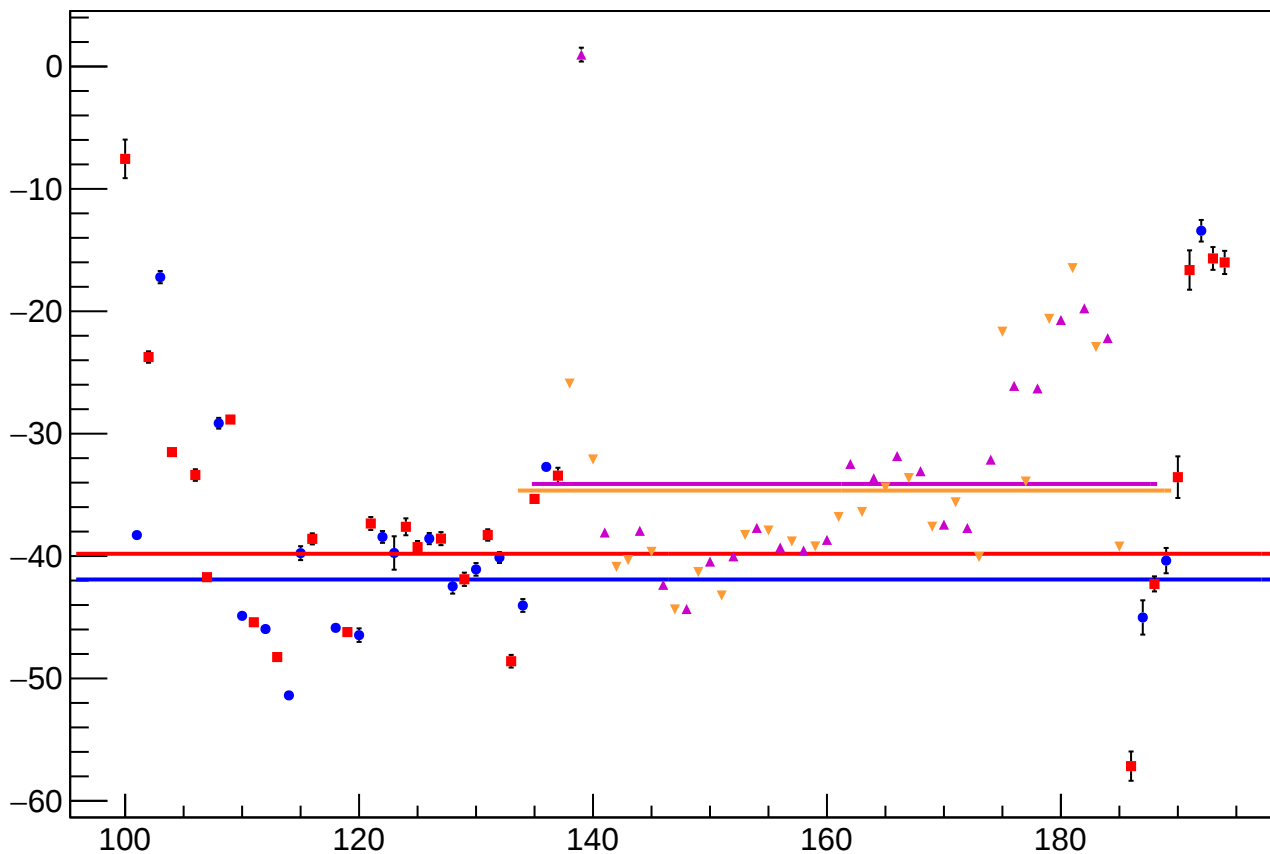
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 12.200+/-0.512 χ^2/NDF : 783.5/2
 Left Out: -2.407+/-0.053 χ^2/NDF : 56368.5/24
 Right Out: 18.777+/-0.319 χ^2/NDF : 2631.3/5
 Left In: -2.959+/-0.055 χ^2/NDF : 45922.6/22

+ sign -2.253+/-0.052 χ^2/NDF : 57957.3/27
 All: -2.293+/-0.038 χ^2/NDF : 111021.4/56
 - sign -2.335+/-0.054 χ^2/NDF : 53063.0/28

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -41.914 ± 0.078 $\chi^2/\text{NDF}: 7609.6/19$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -39.813 ± 0.072 $\chi^2/\text{NDF}: 13082.6/24$

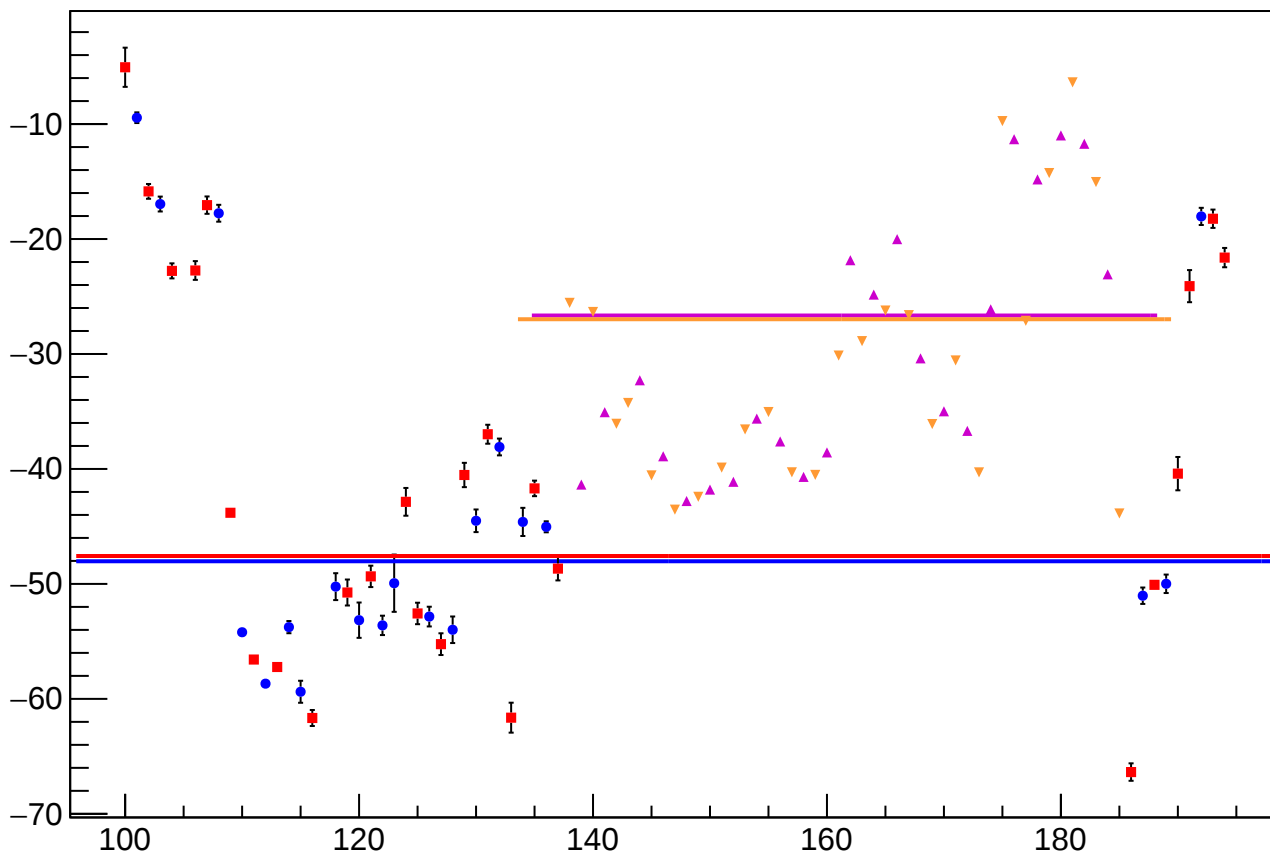
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.281 ± 0.037 $\chi^2/\text{NDF}: 49094.8/44$

All: -35.981 ± 0.026 $\chi^2/\text{NDF}: 95974.8/92$

- sign -35.669 ± 0.037 $\chi^2/\text{NDF}: 46744.1/47$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.030 ± 0.120 $\chi^2/\text{NDF}: 16327.8/19$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -47.573 ± 0.100 $\chi^2/\text{NDF}: 15037.6/24$

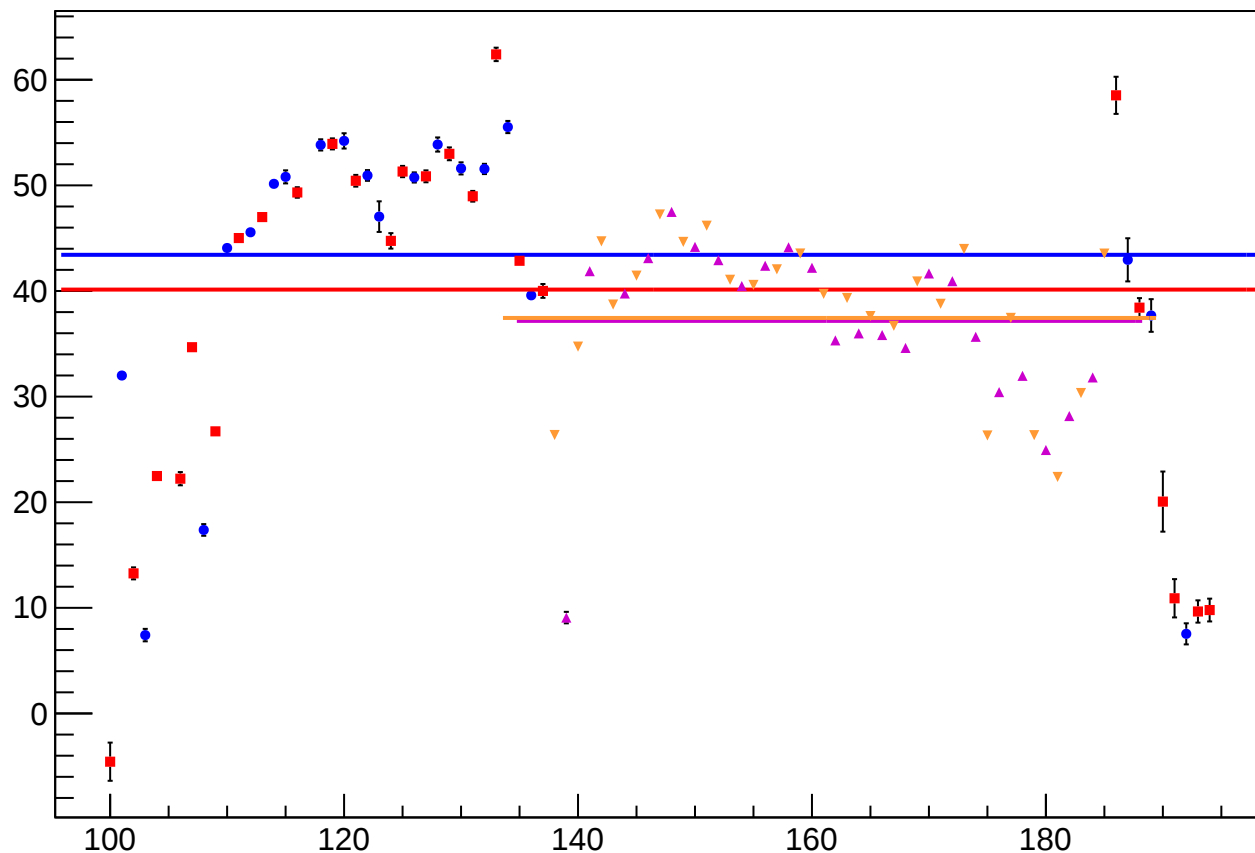
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.436 ± 0.049 $\chi^2/\text{NDF}: 91426.8/44$

All: -30.994 ± 0.034 $\chi^2/\text{NDF}: 182695.9/92$

- sign -31.539 ± 0.048 $\chi^2/\text{NDF}: 91009.0/47$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.425 $\pm$ 0.086 χ^2 /NDF: 11880.3/19

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 40.132 $\pm$ 0.079 χ^2 /NDF: 19649.8/24

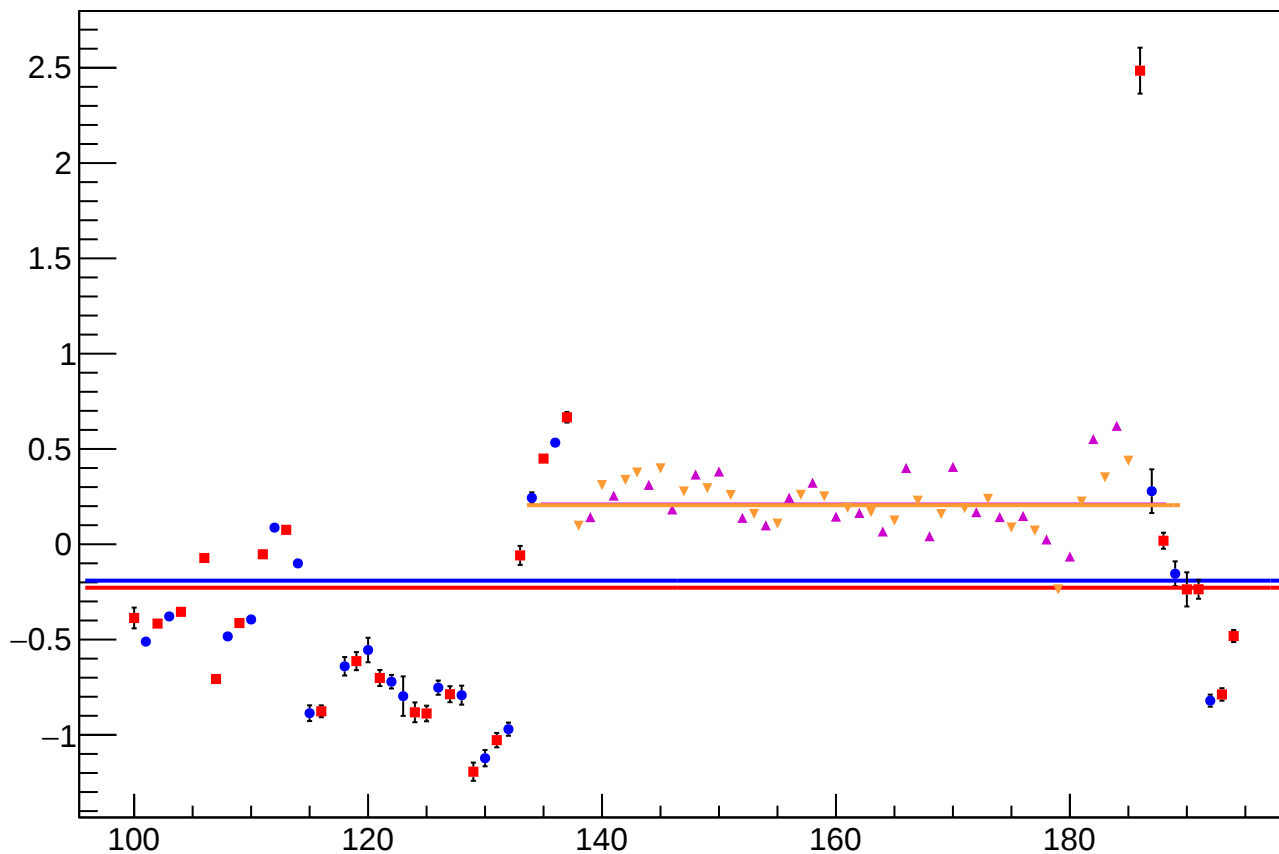
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.817 $\pm$ 0.041 χ^2 /NDF: 37133.4/44

All: 38.410 $\pm$ 0.029 χ^2 /NDF: 75222.9/92

- sign 37.995 $\pm$ 0.042 χ^2 /NDF: 37894.5/47

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.191 ± 0.005 χ^2/NDF : 7776.0/19

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.228 ± 0.004 χ^2/NDF : 8319.2/24

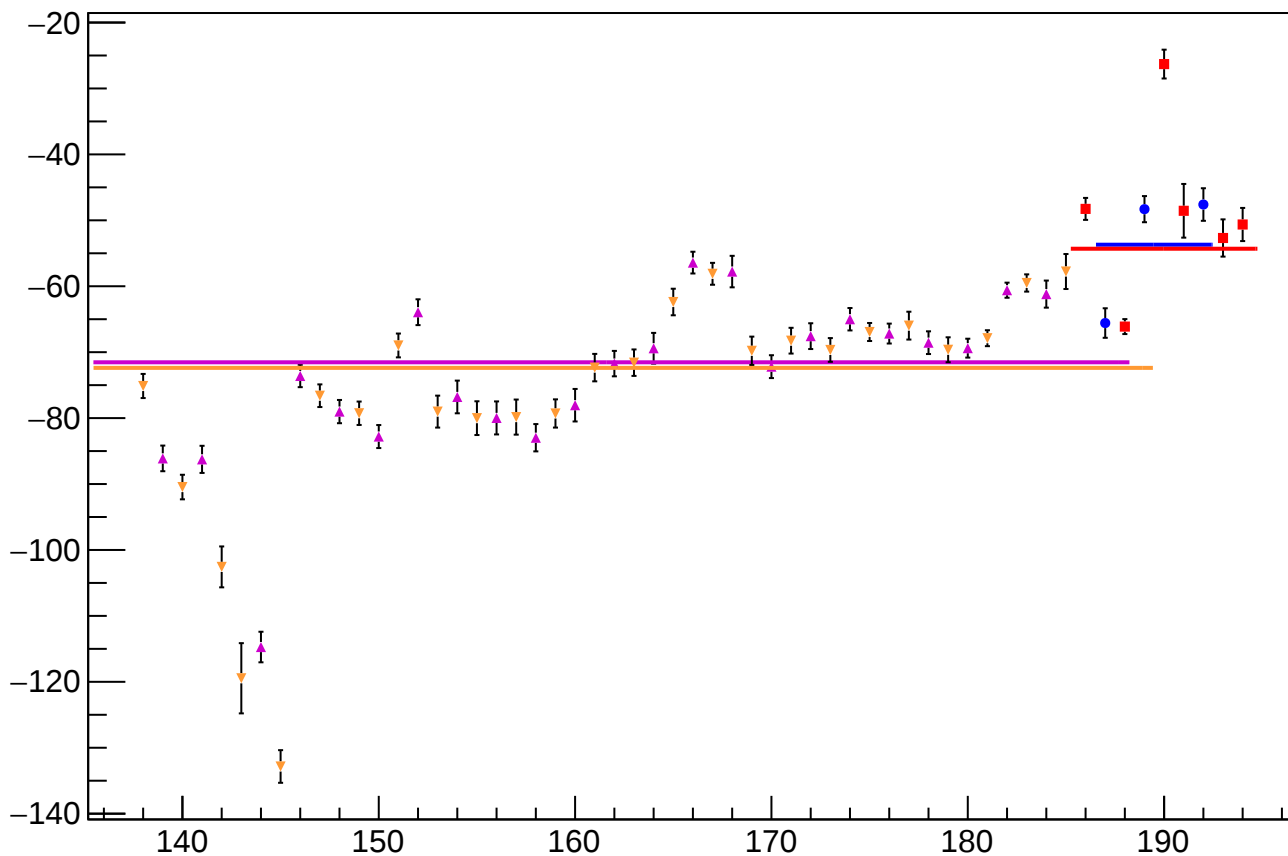
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.137 ± 0.002 χ^2/NDF : 17298.6/44

All: 0.124 ± 0.001 χ^2/NDF : 39239.0/92

- sign 0.111 ± 0.002 χ^2/NDF : 21853.2/47

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -53.698 ± 1.273 χ^2/NDF : 41.6/2

Left Out: -72.381 ± 0.382 χ^2/NDF : 1199.9/24

Right Out: -54.309 ± 0.769 χ^2/NDF : 290.1/5

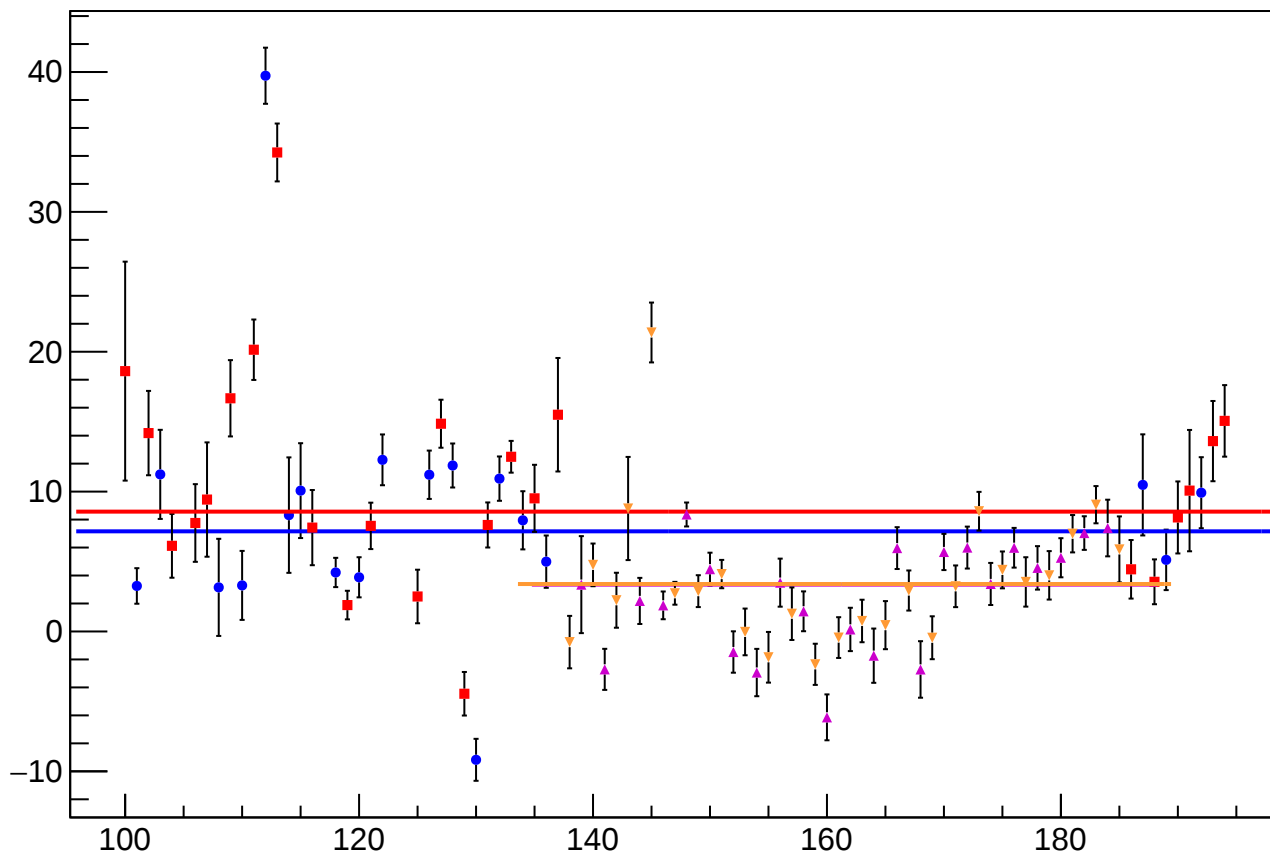
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -70.838 ± 0.366 χ^2/NDF : 1439.2/27

All: -69.393 ± 0.250 χ^2/NDF : 3012.3/56

- sign -68.131 ± 0.342 χ^2/NDF : 1543.9/28

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.159 ± 0.422 χ^2/NDF : 443.4/18

Left Out: 3.392 ± 0.294 χ^2/NDF : 169.9/24

Right Out: 8.568 ± 0.406 χ^2/NDF : 373.3/23

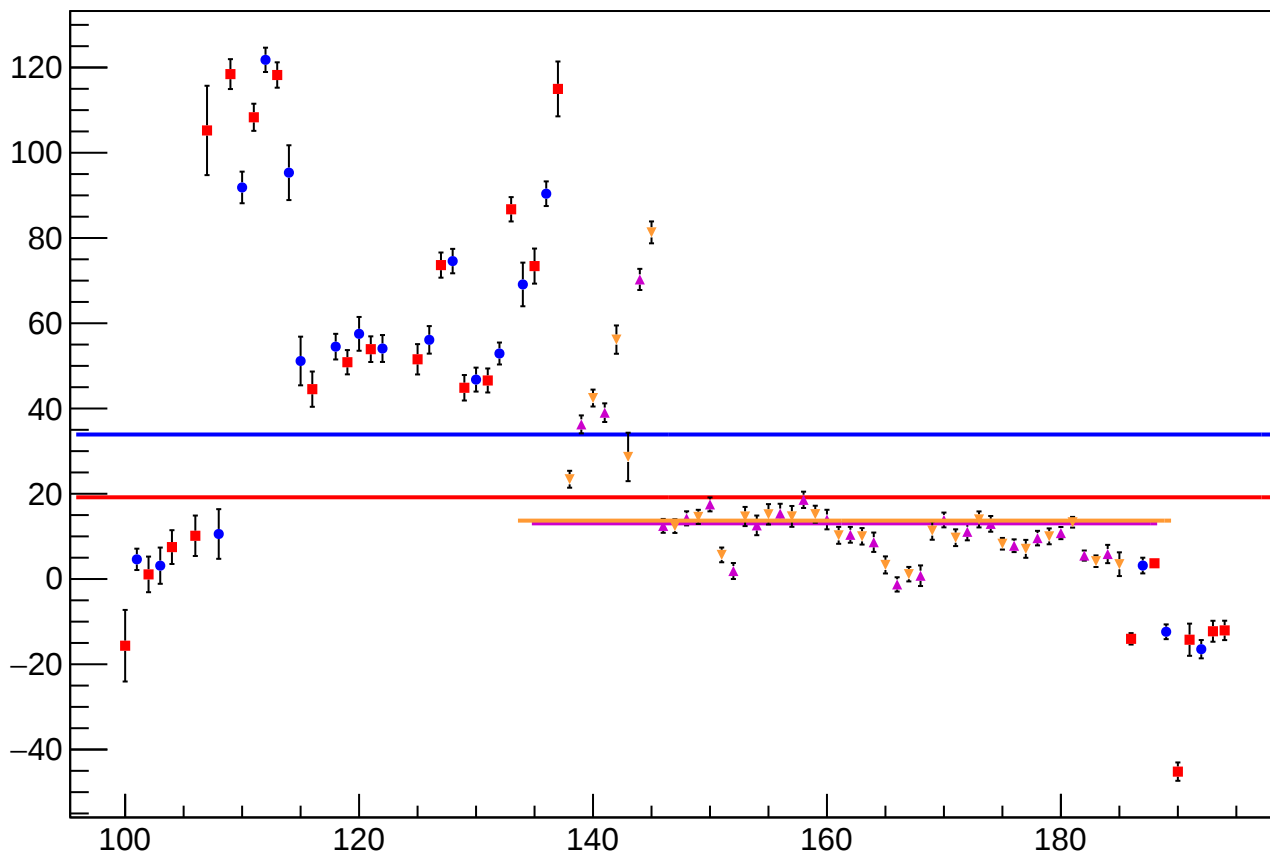
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.621 ± 0.241 χ^2/NDF : 666.8/43

All: 4.900 ± 0.170 χ^2/NDF : 1313.7/90

- sign 5.178 ± 0.240 χ^2/NDF : 644.2/46

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 33.903 $\pm$ 0.664 χ^2 /NDF: 3918.6/18

Left Out: 13.700 $\pm$ 0.381 χ^2 /NDF:1307.0/24

Right Out: 19.170 $\pm$ 0.513 χ^2 /NDF: 6876.2/23

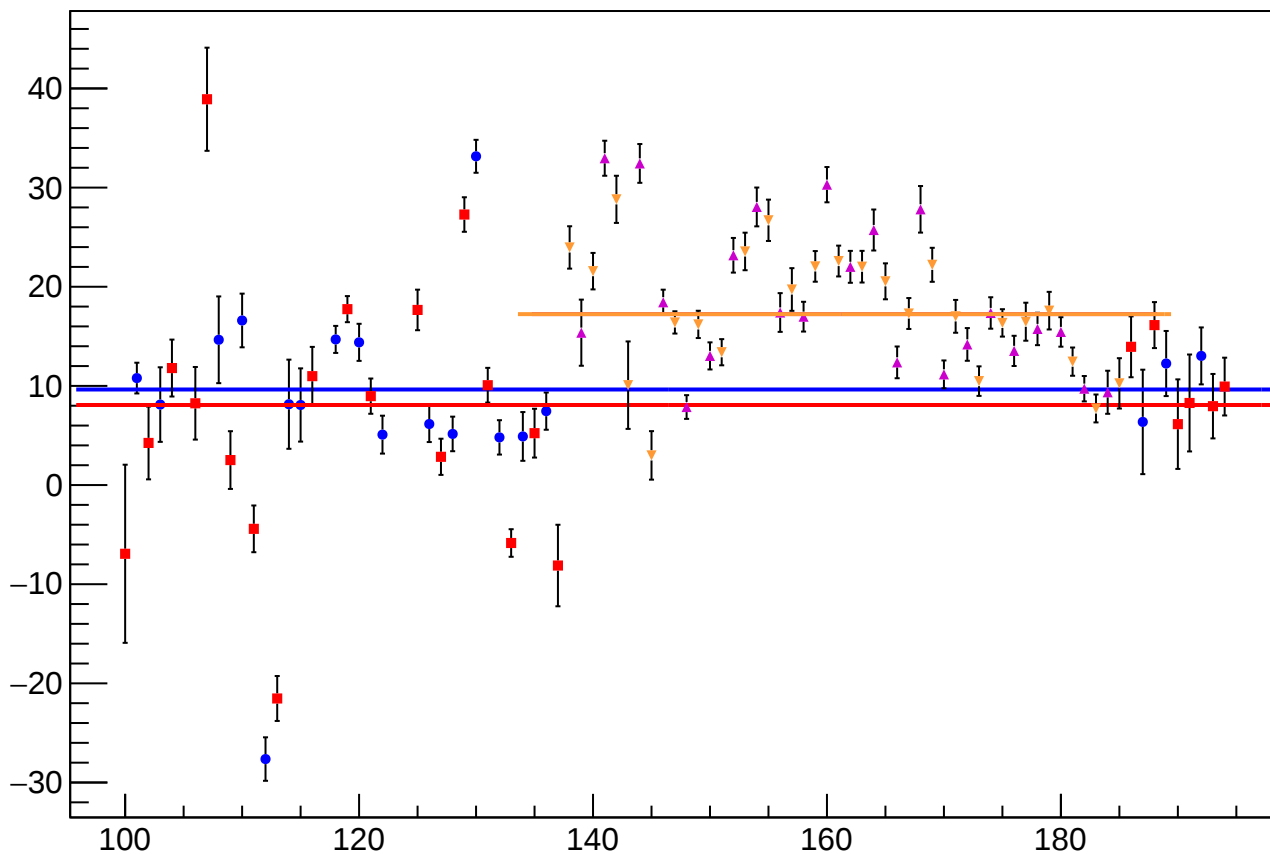
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 18.702 $\pm$ 0.330 χ^2 /NDF: 5922.1/43

All: 16.824 $\pm$ 0.224 χ^2 /NDF: 13974.6/90

- sign 15.221 $\pm$ 0.305 χ^2 /NDF: 7992.6/46

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.638 ± 0.492 $\chi^2/\text{NDF}: 549.7/18$

Left Out: 17.238 ± 0.336 $\chi^2/\text{NDF}: 246.5/24$

Right Out: 8.074 ± 0.479 $\chi^2/\text{NDF}: 584.6/23$

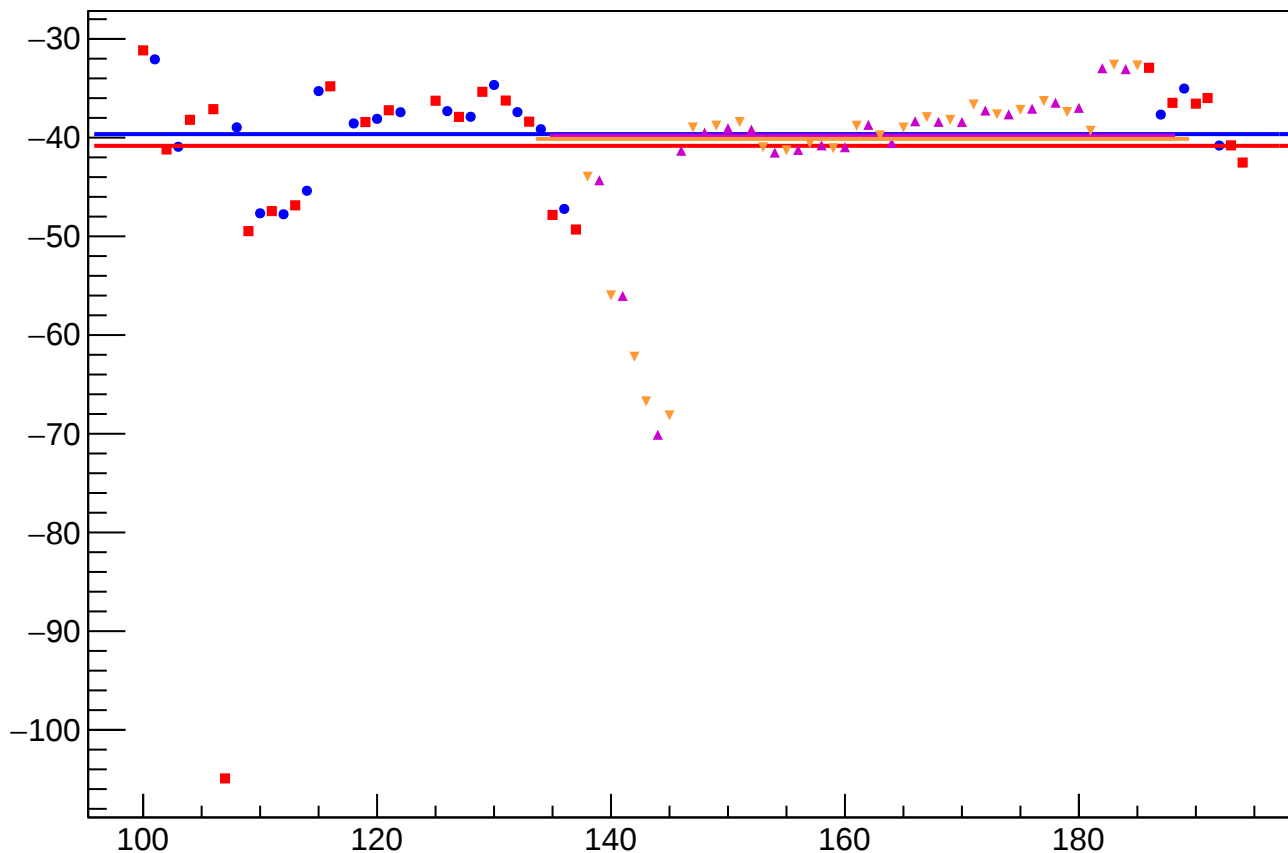
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.820 ± 0.278 $\chi^2/\text{NDF}: 958.9/43$

All: 14.501 ± 0.196 $\chi^2/\text{NDF}: 2230.7/90$

- sign 14.182 ± 0.277 $\chi^2/\text{NDF}: 1269.2/46$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.645 ± 0.029 χ^2/NDF : 27555.0/18

Left Out: -40.126 ± 0.016 χ^2/NDF : 185897.0/24

Right Out: -40.830 ± 0.026 χ^2/NDF : 100847.5/23

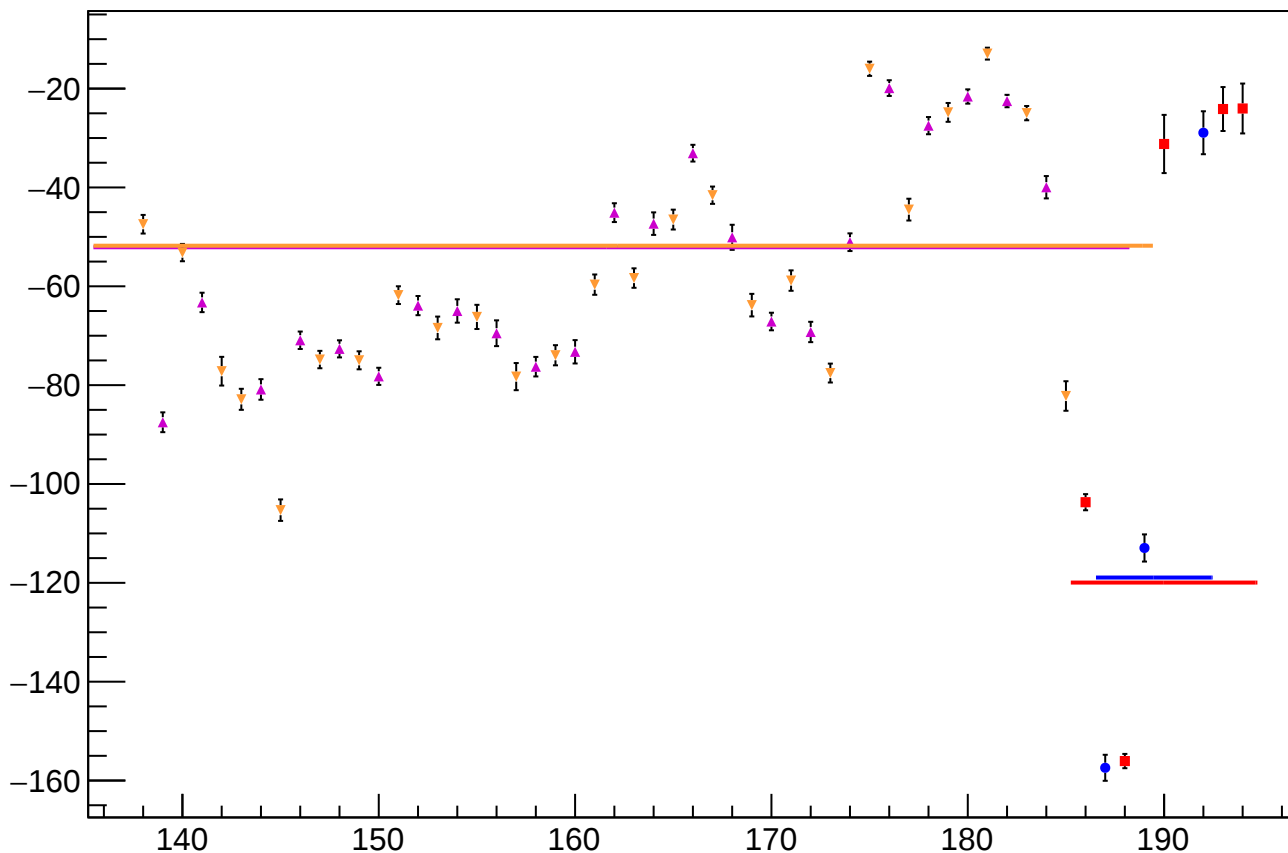
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -40.015 ± 0.014 χ^2/NDF : 213667.8/43

All: -40.040 ± 0.010 χ^2/NDF : 460205.9/90

- sign -40.063 ± 0.013 χ^2/NDF : 246531.8/46

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -118.927 ± 1.742 χ^2/NDF : 647.7/2

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -119.945 ± 1.014 χ^2/NDF : 1776.2/4

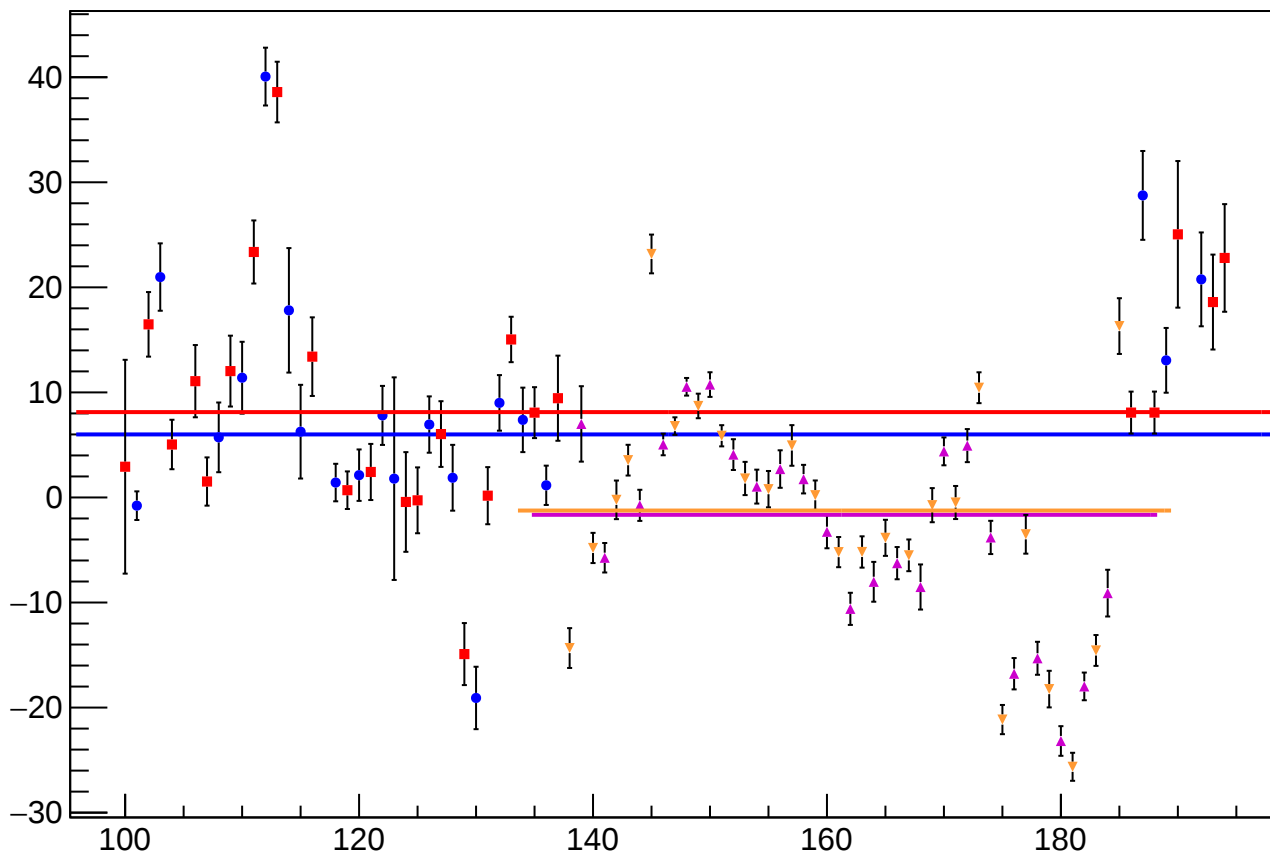
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -54.878 ± 0.374 χ^2/NDF : 6230.0/27

All: -57.924 ± 0.260 χ^2/NDF : 15319.2/55

- sign -60.796 ± 0.363 χ^2/NDF : 8960.1/27

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 6.000 ± 0.604 $\chi^2/\text{NDF}: 342.4/19$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 8.125 ± 0.581 $\chi^2/\text{NDF}: 290.8/23$

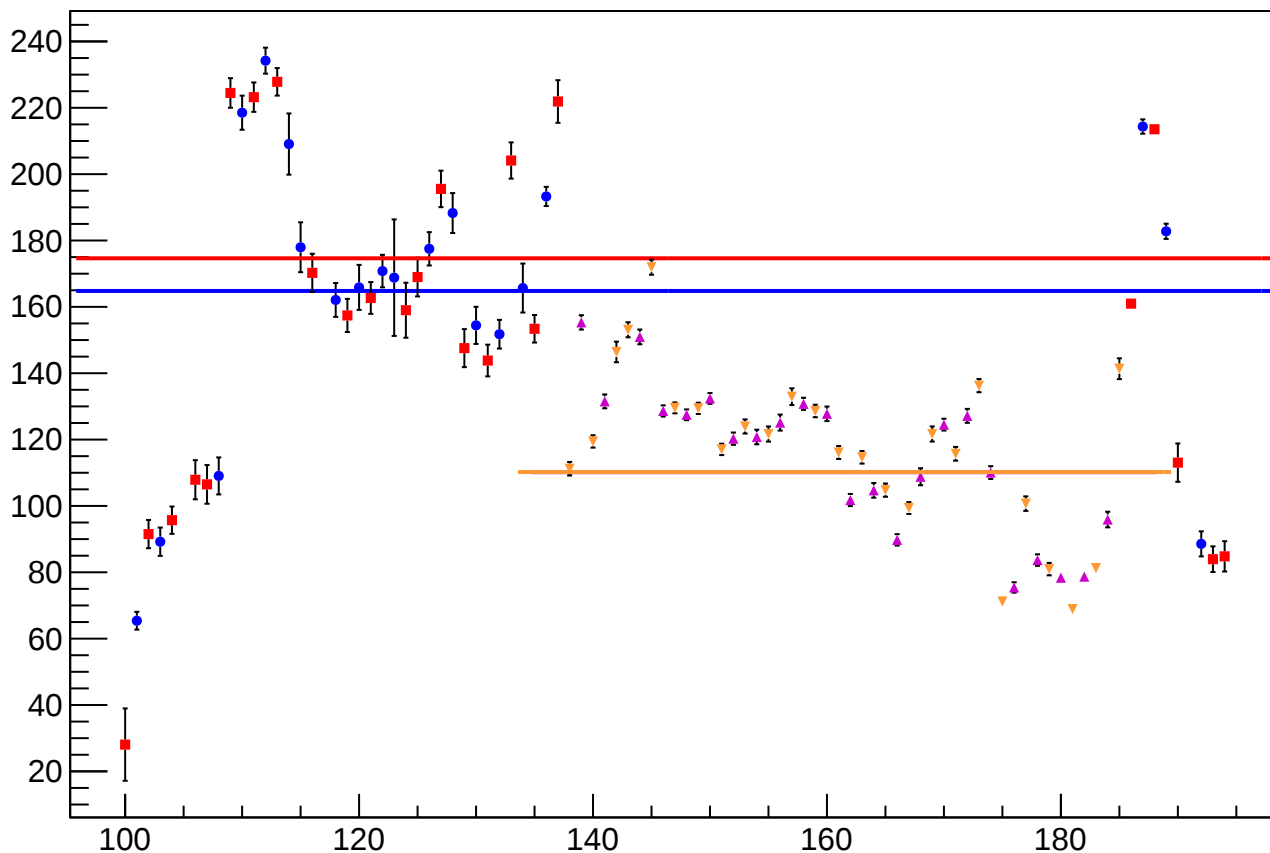
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.125 ± 0.263 $\chi^2/\text{NDF}: 1781.8/44$

All: 0.266 ± 0.187 $\chi^2/\text{NDF}: 3389.0/91$

- sign 0.411 ± 0.267 $\chi^2/\text{NDF}: 1606.6/46$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 164.797 ± 0.902 $\chi^2/\text{NDF}: 3360.7/19$

Left Out: 110.213 ± 0.382 $\chi^2/\text{NDF}: 4593.7/24$

Right Out: 174.640 ± 0.675 $\chi^2/\text{NDF}: 4095.6/23$

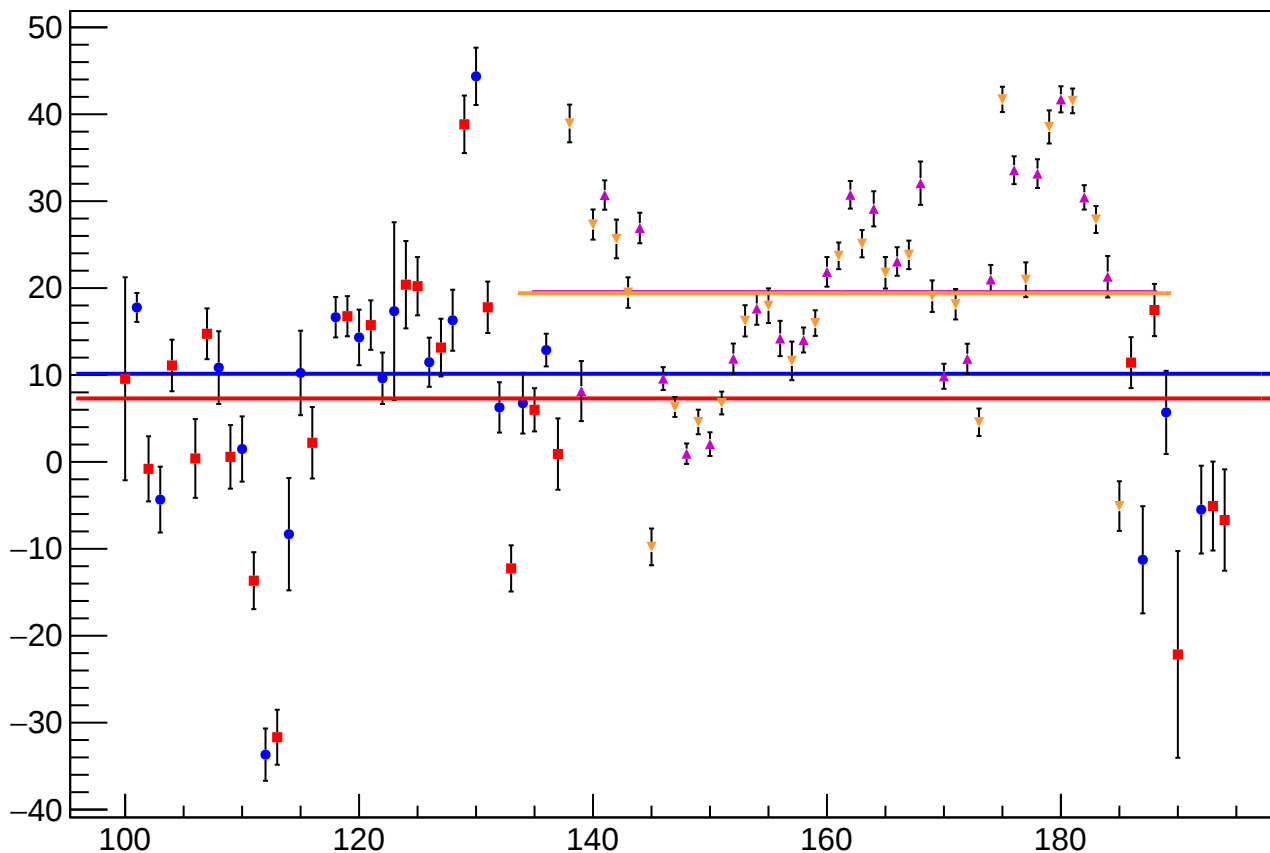
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 118.508 ± 0.352 $\chi^2/\text{NDF}: 11056.7/44$

All: 122.466 ± 0.243 $\chi^2/\text{NDF}: 25970.0/91$

- sign 126.056 ± 0.335 $\chi^2/\text{NDF}: 14672.0/46$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.142 $\pm$ 0.701 χ^2/NDF : 409.8/19

Left Out: 19.405 $\pm$ 0.335 χ^2/NDF : 1453.4/24

Right Out: 7.304 $\pm$ 0.692 χ^2/NDF : 454.7/23

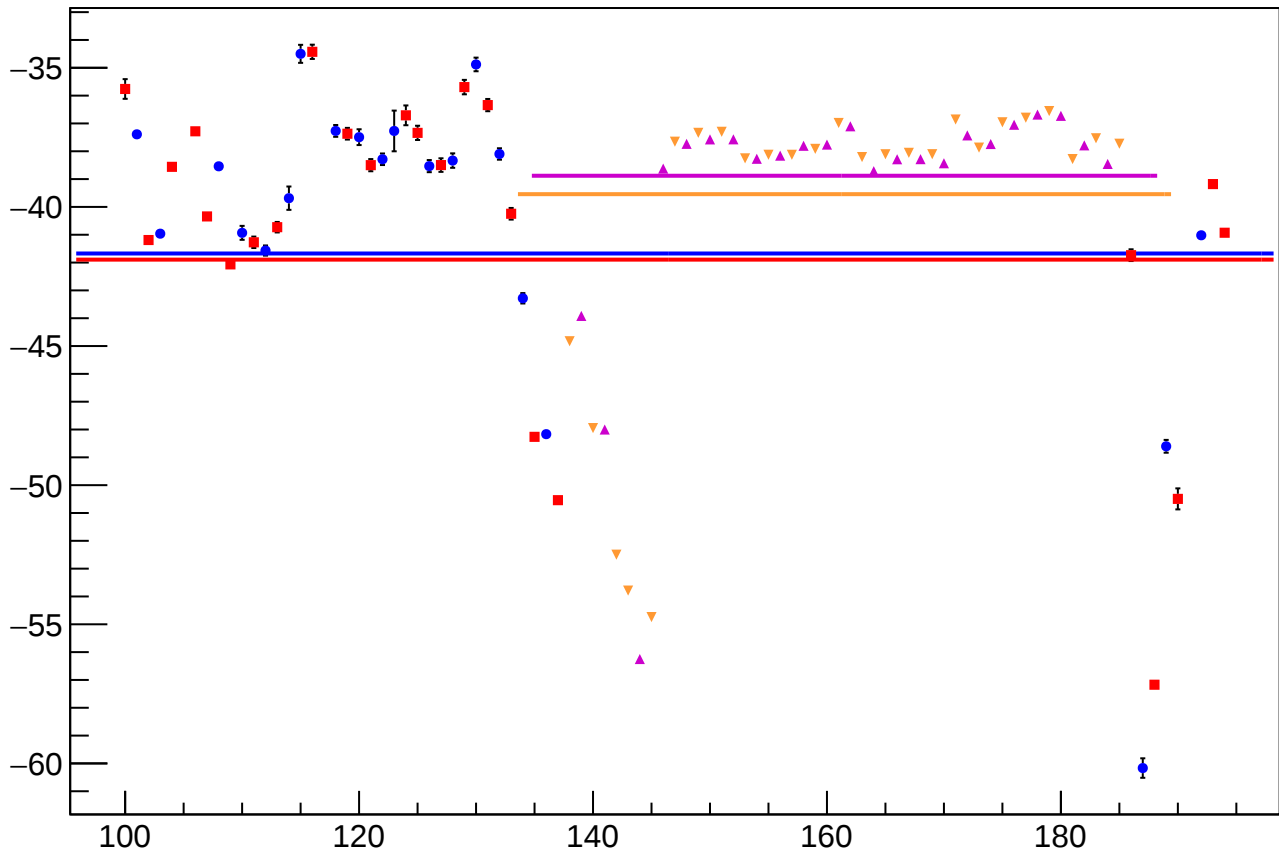
Left In: 19.530 $\pm$ 0.342 χ^2/NDF : 1181.3/22

+ sign 17.686 $\pm$ 0.302 χ^2/NDF : 2005.4/44

All: 17.411 $\pm$ 0.215 χ^2/NDF : 3893.5/91

- sign 17.127 $\pm$ 0.307 χ^2/NDF : 1886.5/46

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.674 ± 0.037 $\chi^2/\text{NDF}: 16309.5/19$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.894 ± 0.035 $\chi^2/\text{NDF}: 22517.1/23$

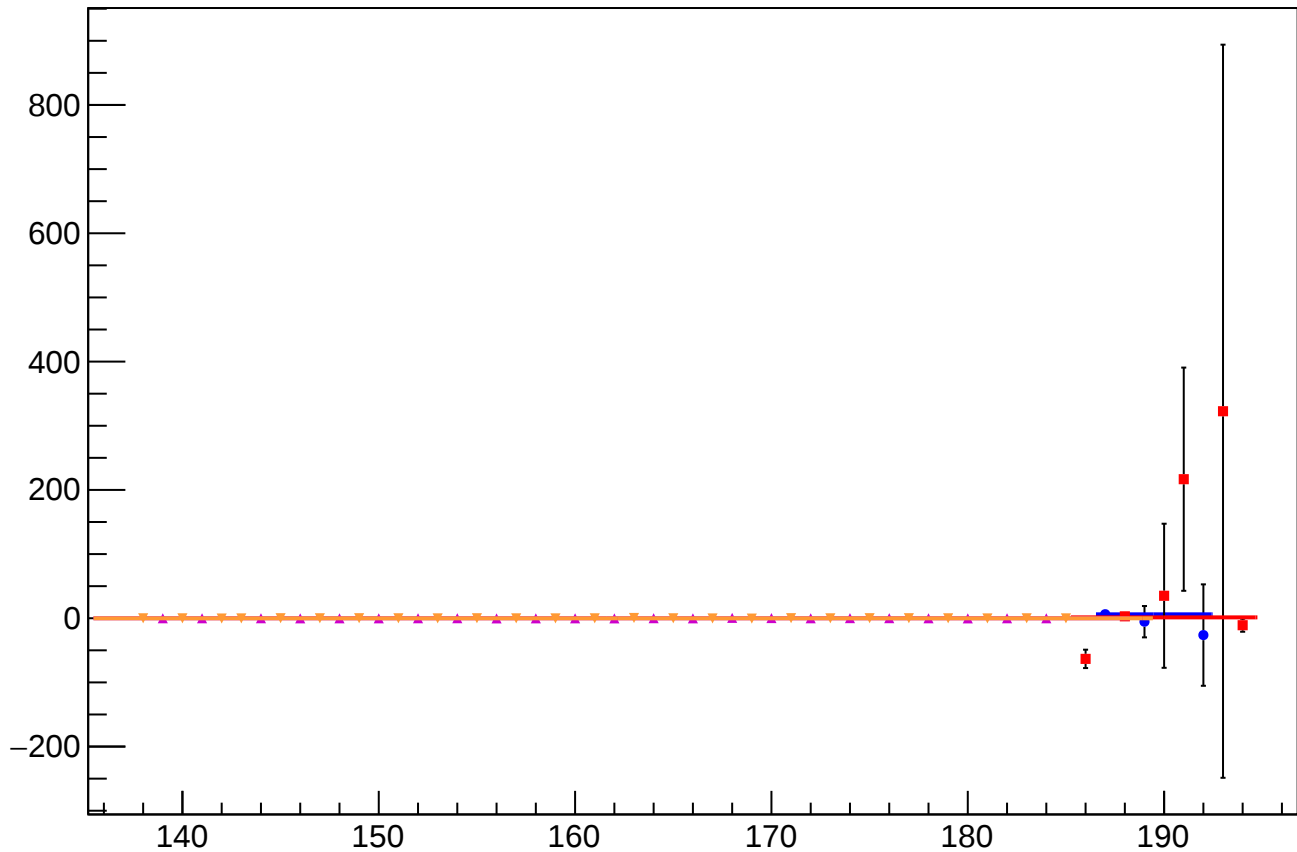
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.870 ± 0.014 $\chi^2/\text{NDF}: 111163.8/44$

All: -39.630 ± 0.010 $\chi^2/\text{NDF}: 193761.7/91$

- sign -39.391 ± 0.014 $\chi^2/\text{NDF}: 82048.3/46$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 6.084 ± 2.982 $\chi^2/\text{NDF}: 0.4/2$

Left Out: -0.095 ± 0.022 $\chi^2/\text{NDF}: 41.8/24$

Right Out: 1.349 ± 1.910 $\chi^2/\text{NDF}: 24.5/5$

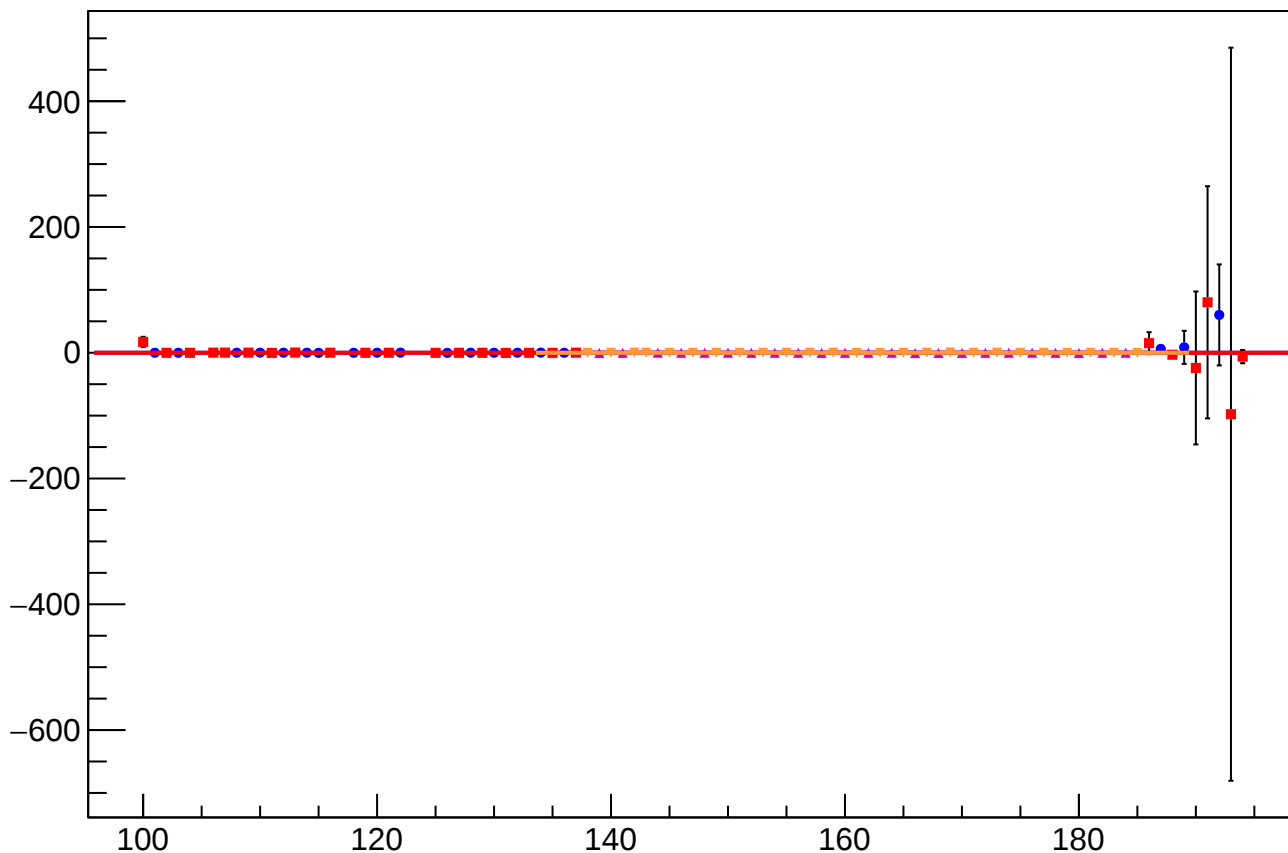
Left In: -0.026 ± 0.022 $\chi^2/\text{NDF}: 33.3/22$

+ sign -0.094 ± 0.022 $\chi^2/\text{NDF}: 46.5/27$

All: -0.061 ± 0.016 $\chi^2/\text{NDF}: 109.8/56$

- sign -0.025 ± 0.022 $\chi^2/\text{NDF}: 58.3/28$

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 14.9/18

Left Out: -0.078 ± 0.017 χ^2/NDF : 26.6/24

Right Out: -0.050 ± 0.029 χ^2/NDF : 27.8/23

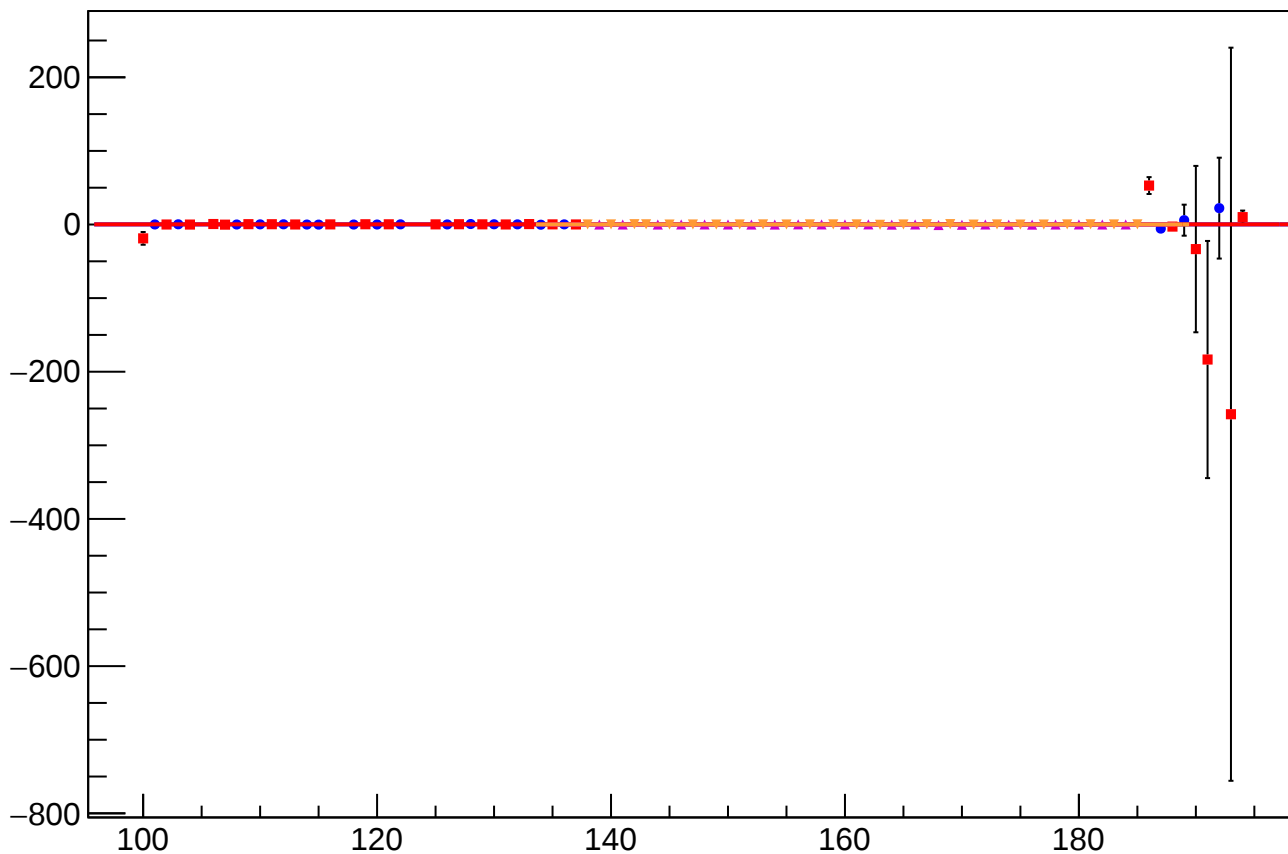
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.058 ± 0.015 χ^2/NDF : 46.8/43

All: -0.055 ± 0.010 χ^2/NDF : 106.4/90

- sign -0.052 ± 0.015 χ^2/NDF : 59.5/46

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 χ^2/NDF : 18.0/18

Left Out: 0.088 ± 0.022 χ^2/NDF : 40.7/24

Right Out: 0.233 ± 0.054 χ^2/NDF : 49.2/23

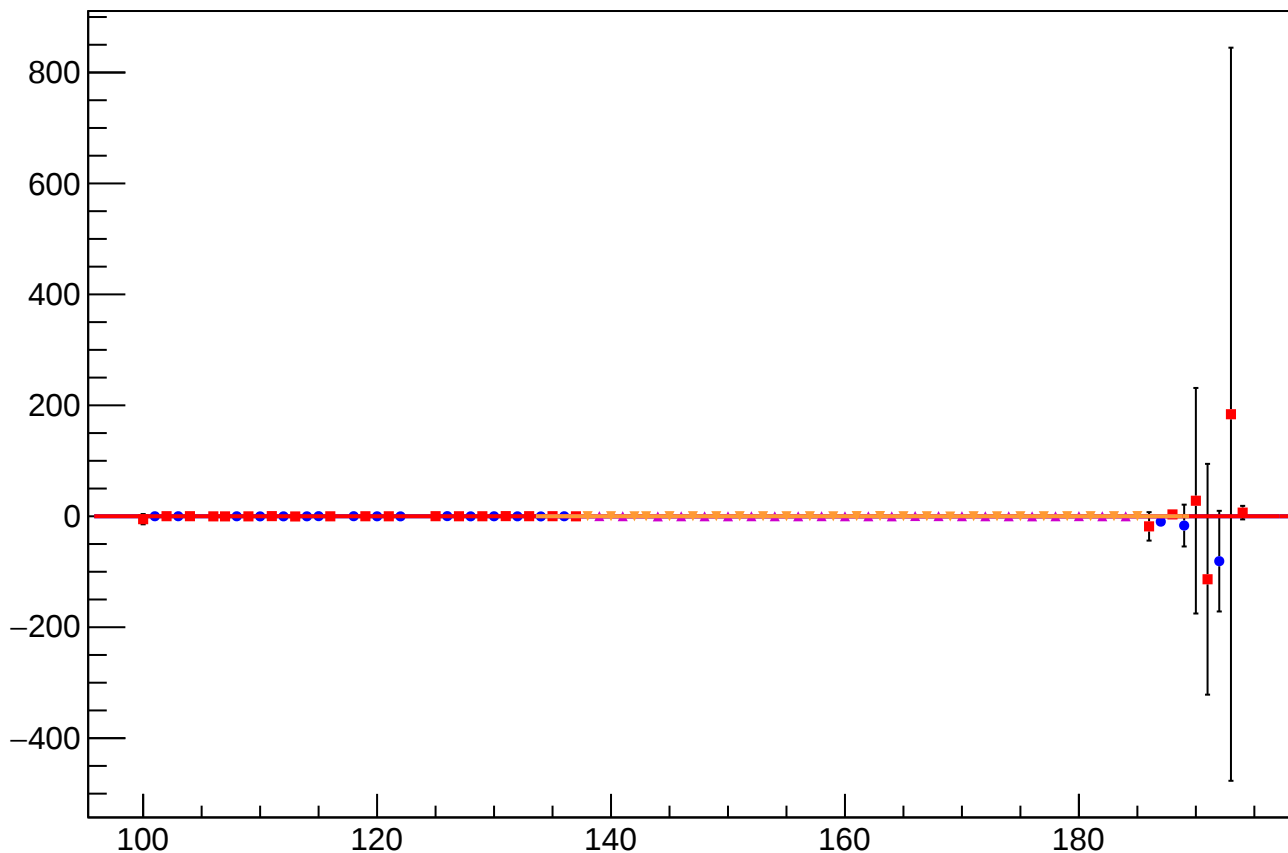
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.100 ± 0.020 χ^2/NDF : 60.9/43

All: 0.076 ± 0.014 χ^2/NDF : 161.9/90

- sign 0.051 ± 0.021 χ^2/NDF : 98.2/46

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 16.9/18

Left Out: 0.102 ± 0.019 χ^2/NDF : 30.2/24

Right Out: 0.057 ± 0.034 χ^2/NDF : 22.0/23

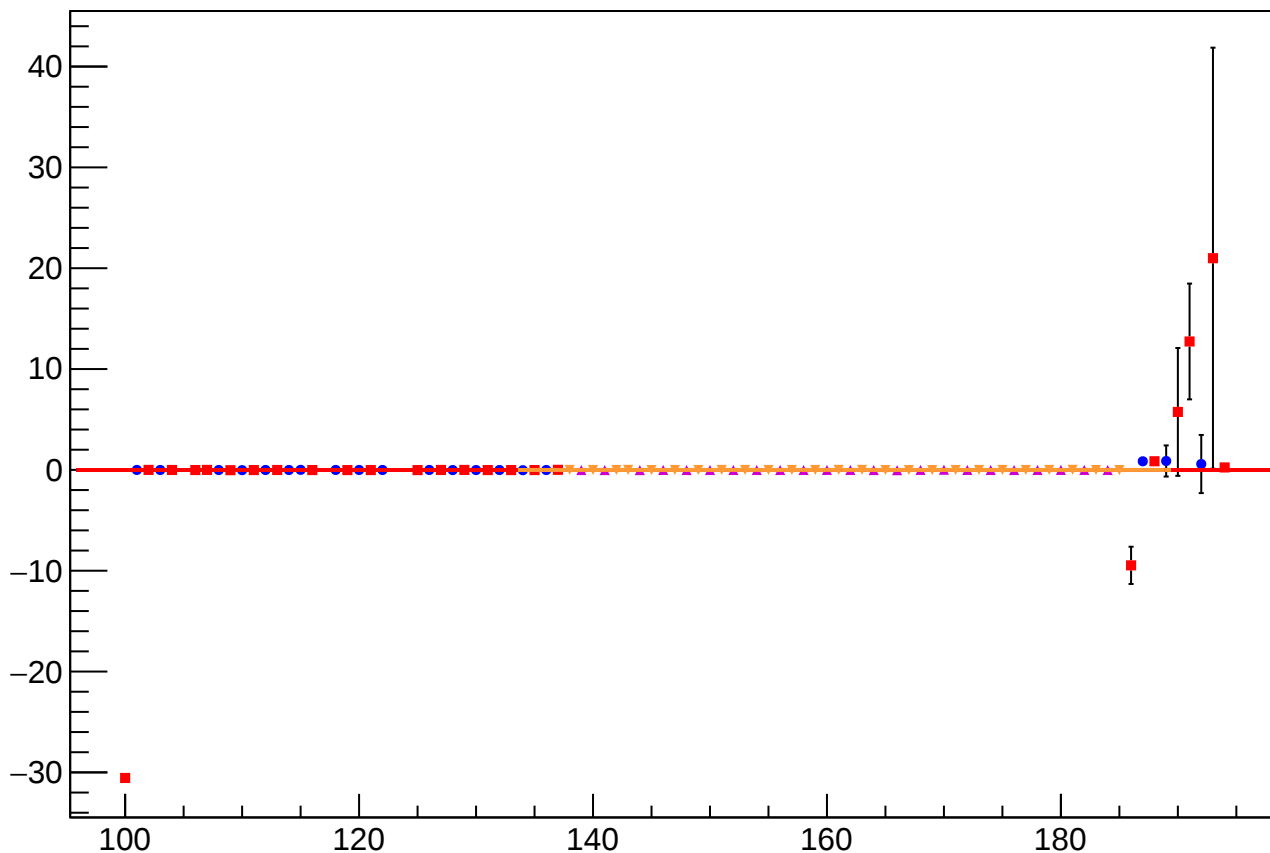
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.074 ± 0.017 χ^2/NDF : 55.2/43

All: 0.070 ± 0.012 χ^2/NDF : 108.8/90

- sign 0.066 ± 0.017 χ^2/NDF : 53.5/46

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 17.8/18

Left Out: -0.008 ± 0.001 χ^2/NDF : 34.7/24

Right Out: -0.012 ± 0.002 χ^2/NDF : 11937.1/23

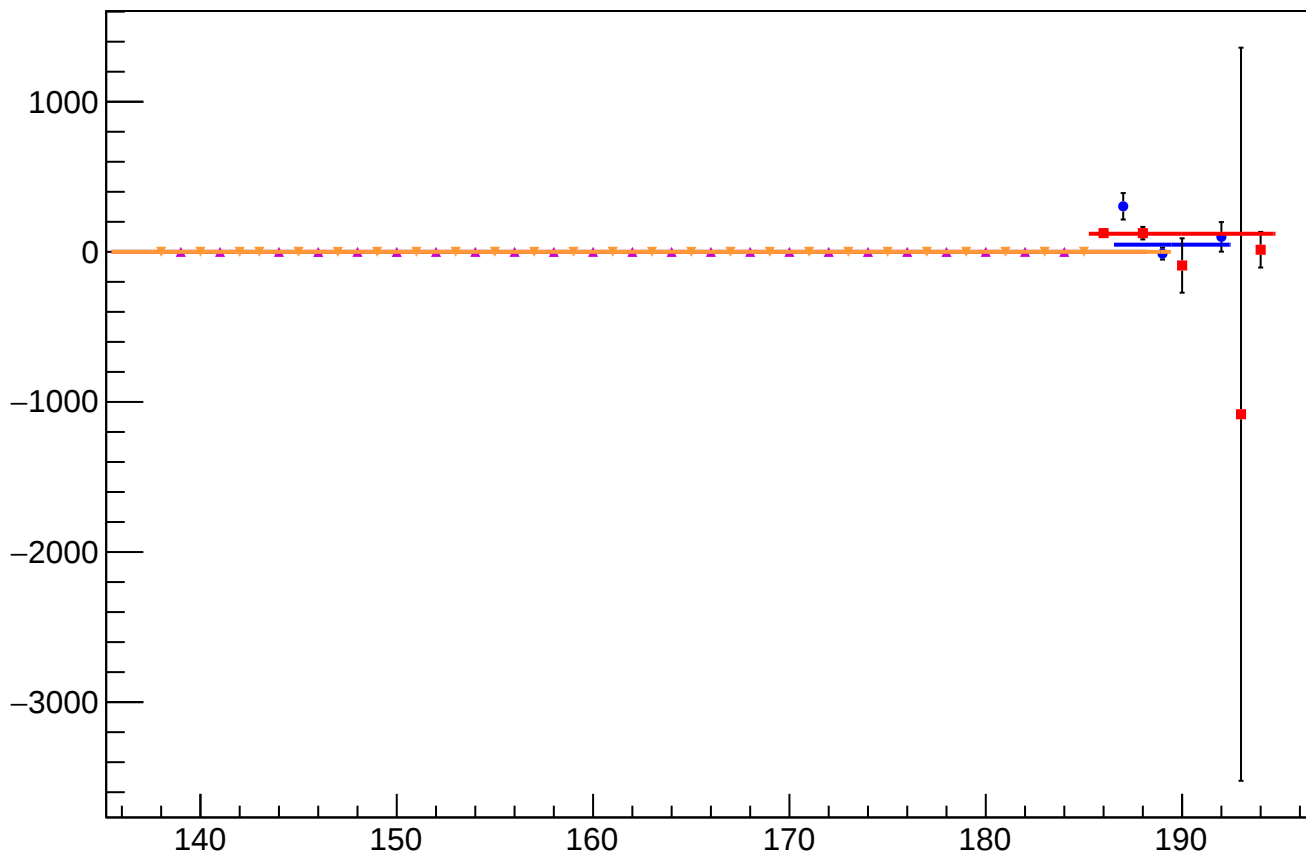
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.008 ± 0.001 χ^2/NDF : 57.0/43

All: -0.009 ± 0.001 χ^2/NDF : 12038.3/90

- sign -0.009 ± 0.001 χ^2/NDF : 11980.6/46

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 47.687 $\pm$ 33.835 χ^2/NDF : 11.0/2

Left Out: 0.017 $\pm$ 0.027 χ^2/NDF :30.9/24

Right Out: 120.475 $\pm$ 16.899 χ^2/NDF : 2.5/4

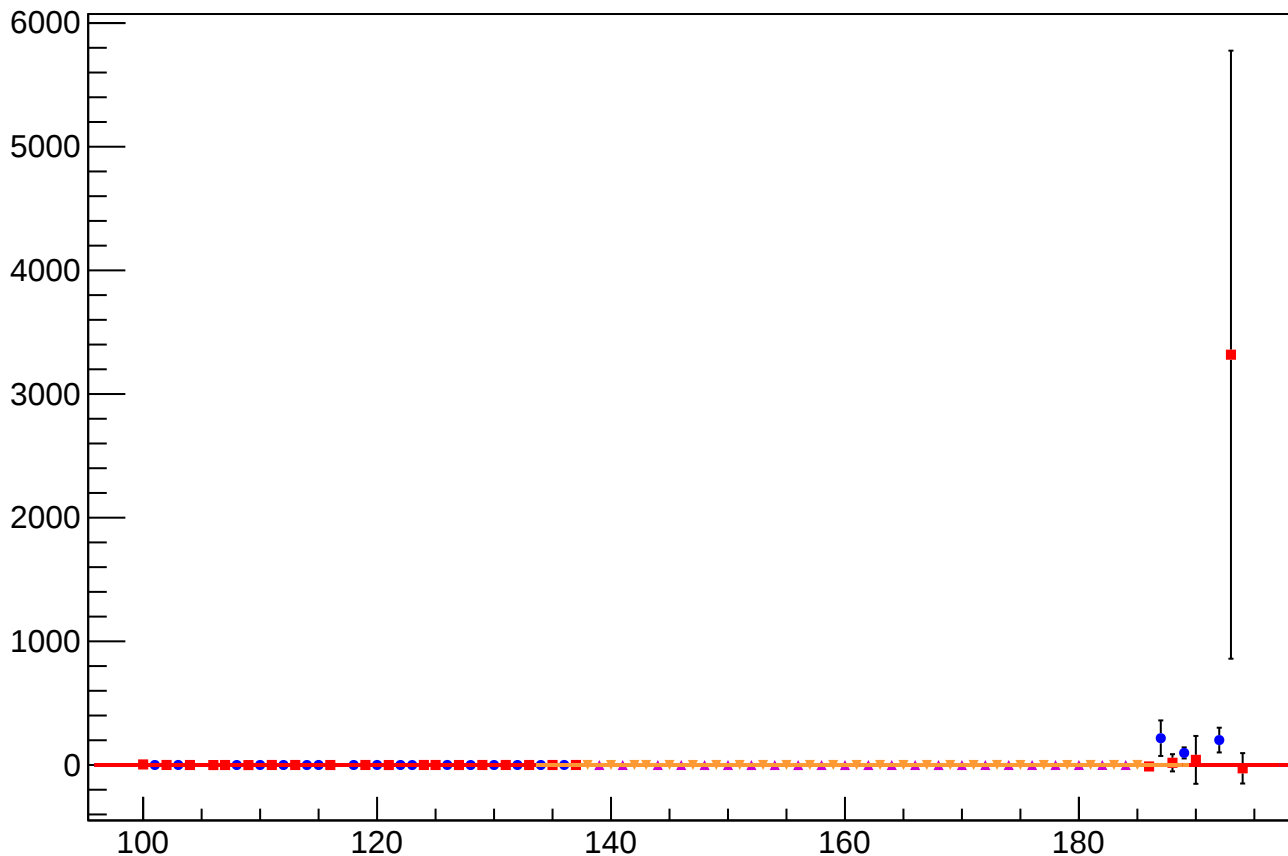
Left In: 0.002 $\pm$ 0.028 χ^2/NDF :29.0/22

+ sign 0.018 $\pm$ 0.027 χ^2/NDF : 43.9/27

All: 0.010 $\pm$ 0.019 χ^2/NDF : 126.3/55

- sign 0.003 $\pm$ 0.028 χ^2/NDF : 82.3/27

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 34.0/19

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 20.7/23

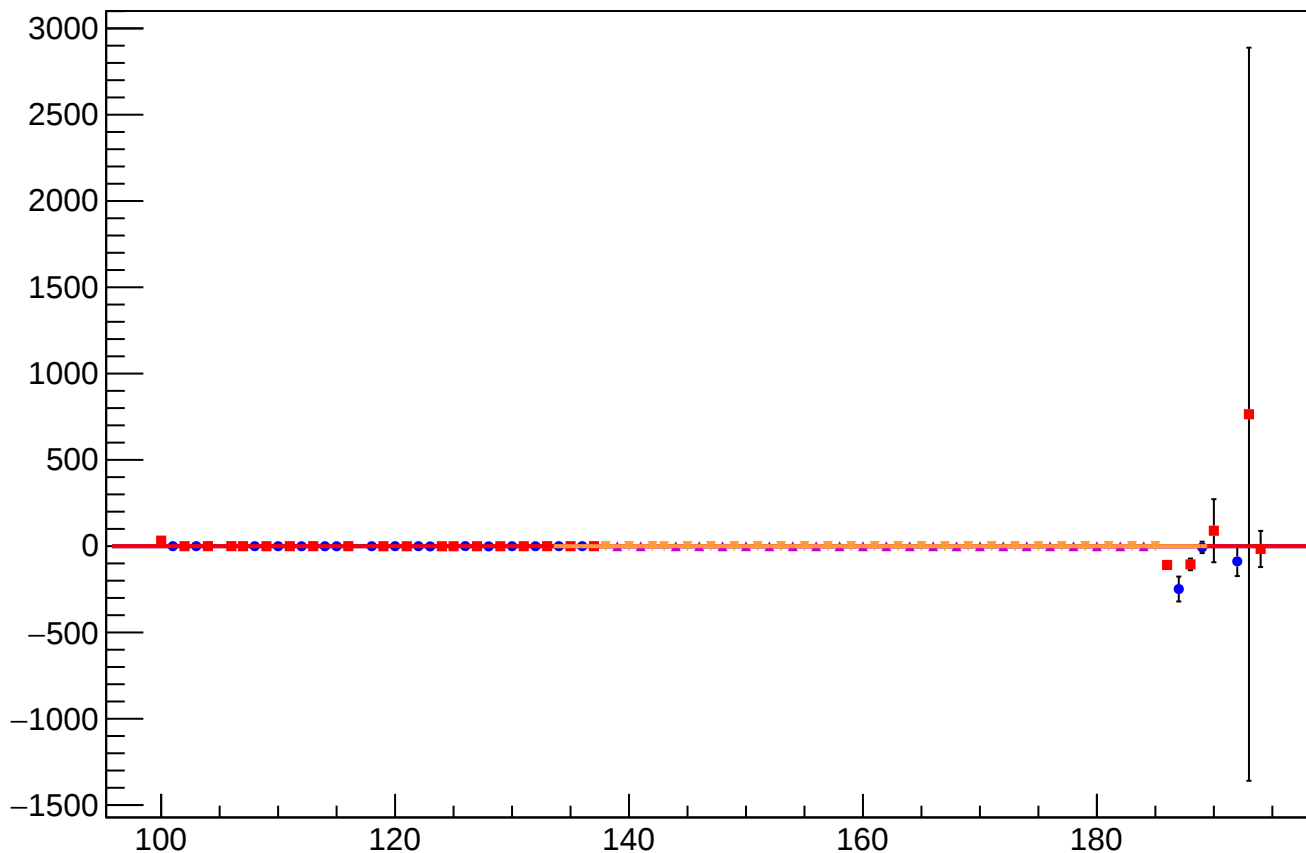
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 59.5/44

All: -0.066 ± 0.013 χ^2/NDF : 131.8/91

- sign -0.083 ± 0.019 χ^2/NDF : 70.8/46

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 37.7/19

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 76.2/23

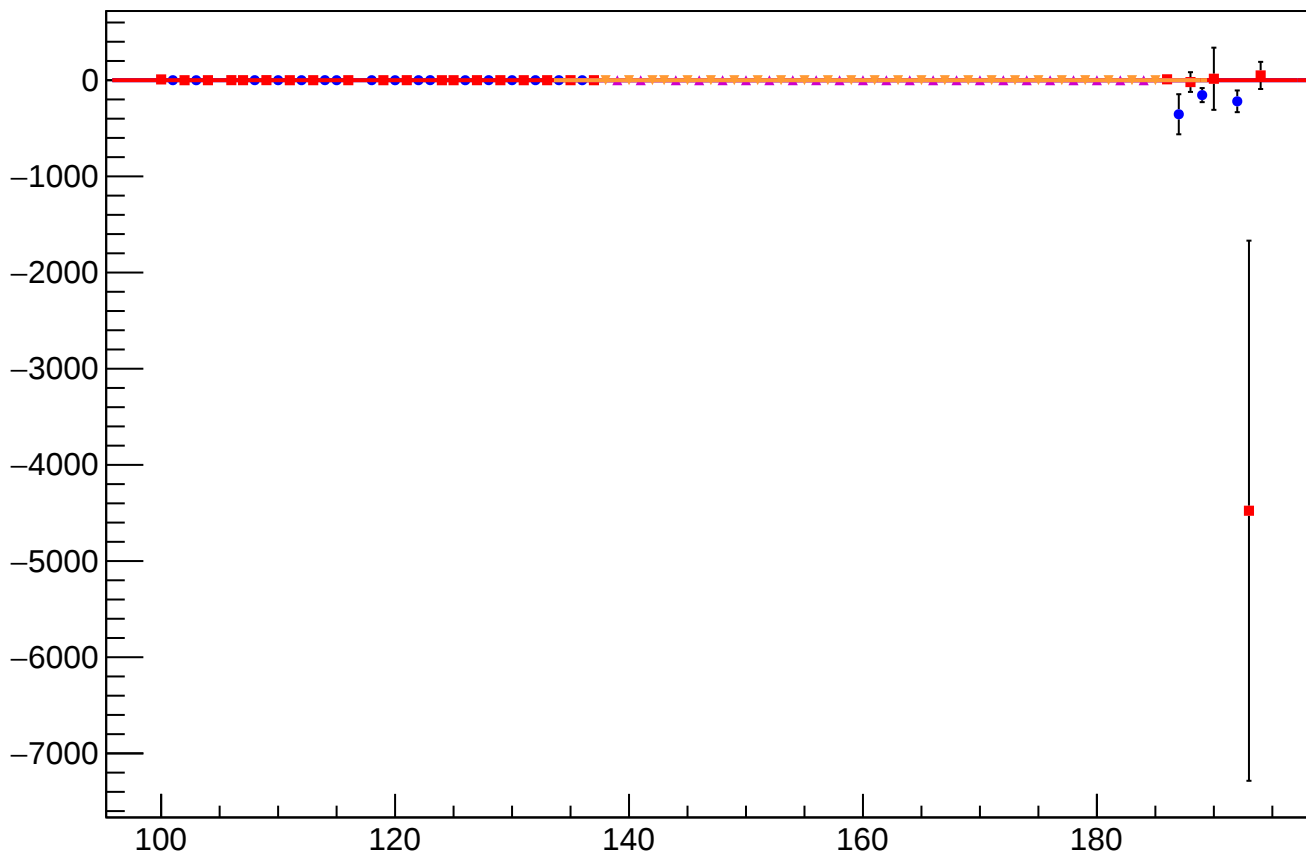
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 69.3/44

All: -0.042 ± 0.018 χ^2/NDF : 177.3/91

- sign -0.050 ± 0.026 χ^2/NDF : 107.8/46

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 ± 0.043 χ^2/NDF : 32.7/19

Left Out: 0.063 ± 0.024 χ^2/NDF : 24.6/24

Right Out: 0.144 ± 0.045 χ^2/NDF : 19.6/23

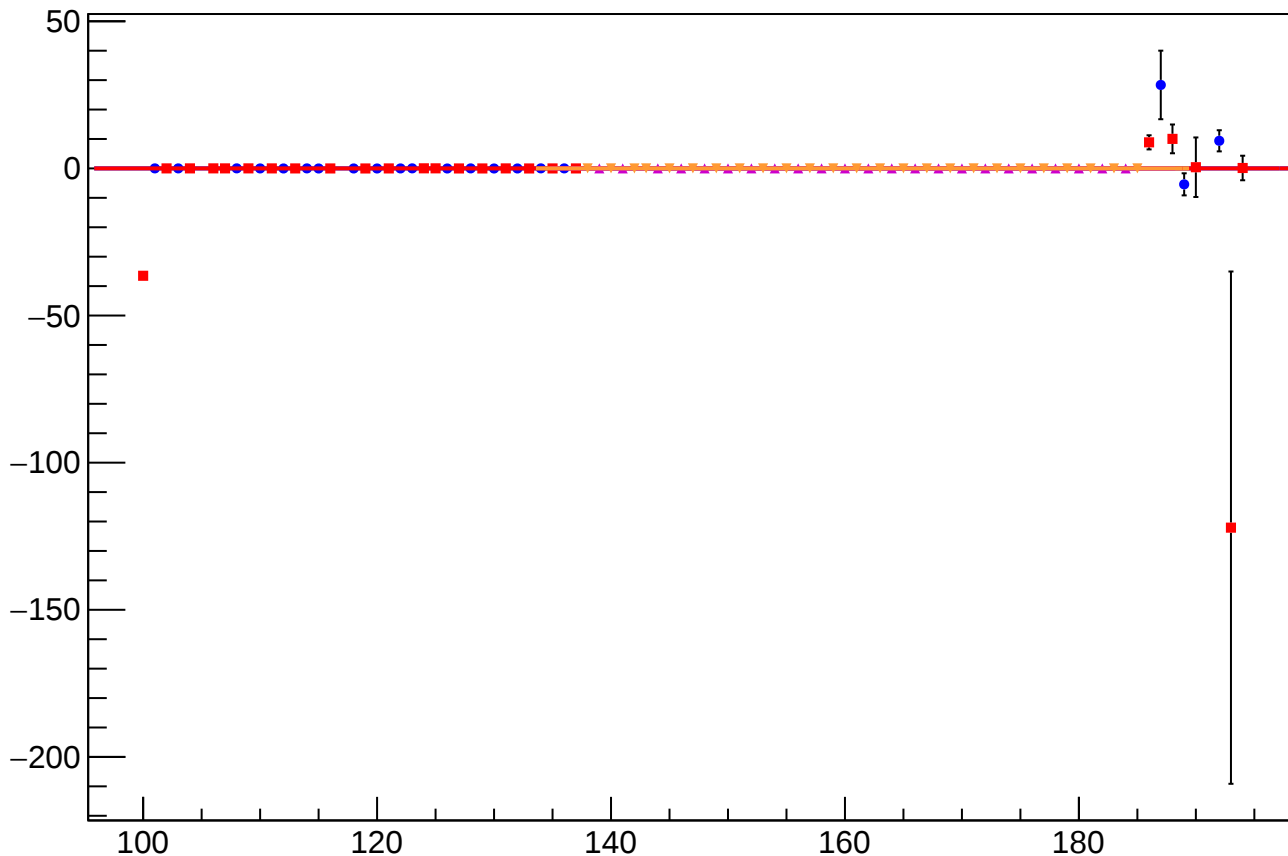
Left In: 0.069 ± 0.025 χ^2/NDF : 51.8/22

+ sign 0.052 ± 0.021 χ^2/NDF : 58.2/44

All: 0.069 ± 0.015 χ^2/NDF : 133.0/91

- sign 0.086 ± 0.022 χ^2/NDF : 73.5/46

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 45.3/19

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10468.9/23

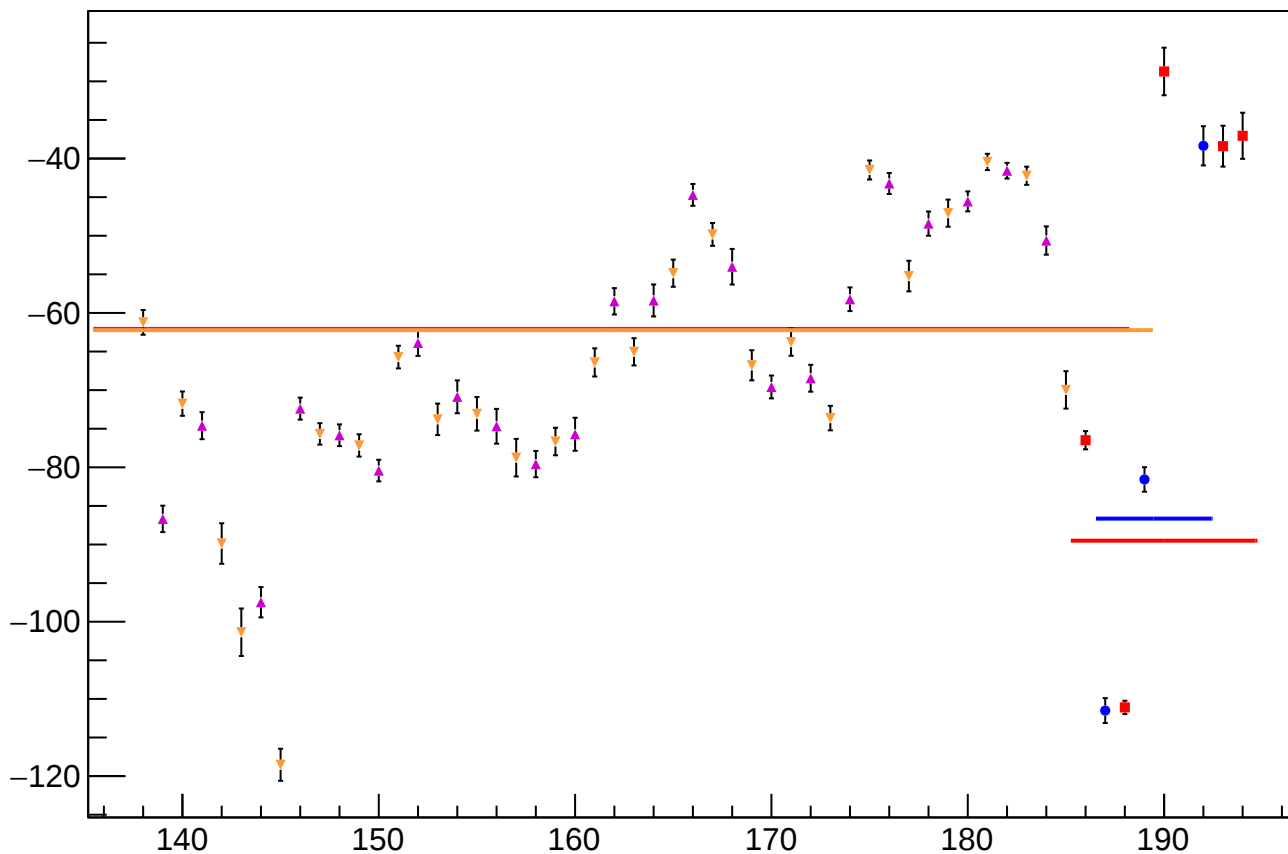
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 79.7/44

All: 0.007 ± 0.001 χ^2/NDF : 10574.1/91

- sign 0.007 ± 0.001 χ^2/NDF : 10494.3/46

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -86.645 ± 1.035 χ^2/NDF : 608.4/2

Left Out: -62.232 ± 0.332 χ^2/NDF : 2668.5/24

Right Out: -89.502 ± 0.643 χ^2/NDF : 1816.4/4

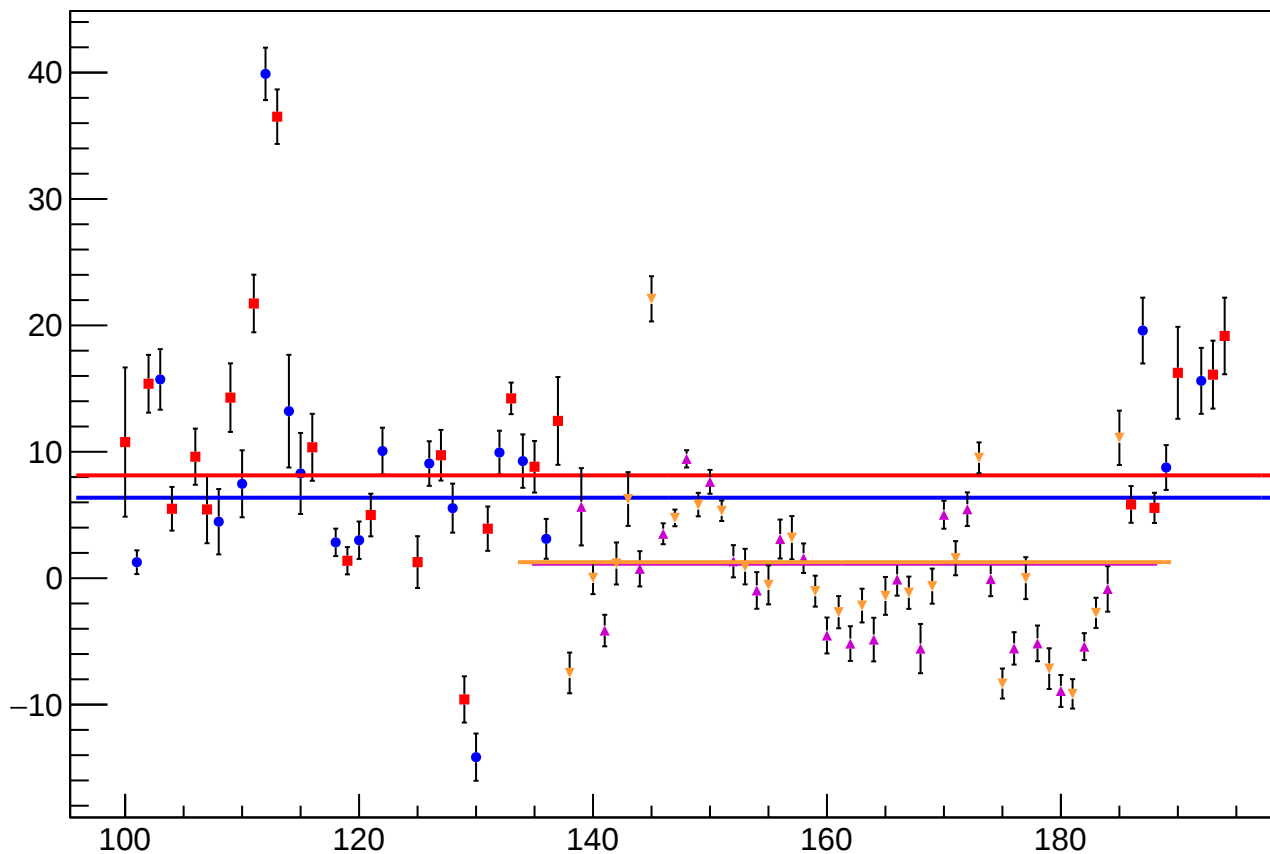
Left In: -62.073 ± 0.332 χ^2/NDF : 2192.0/22

+ sign -64.510 ± 0.316 χ^2/NDF : 3781.7/27

All: -66.298 ± 0.216 χ^2/NDF : 9286.4/55

- sign -67.857 ± 0.295 χ^2/NDF : 5444.8/27

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 6.367 ± 0.407 χ^2/NDF : 503.3/18

Left Out: 1.269 ± 0.251 χ^2/NDF : 531.9/24

Right Out: 8.135 ± 0.396 χ^2/NDF : 441.8/22

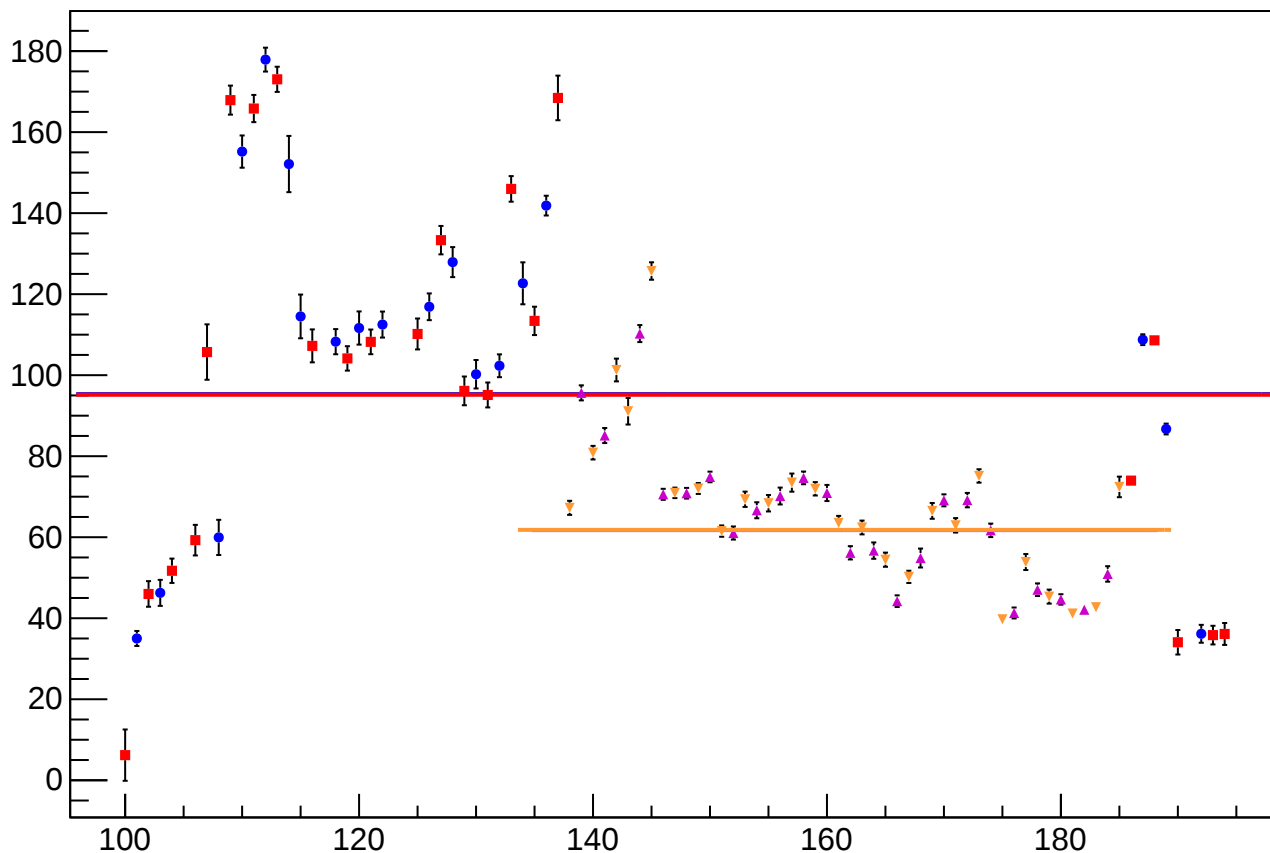
Left In: 1.146 ± 0.255 χ^2/NDF : 462.9/22

+ sign 2.670 ± 0.214 χ^2/NDF : 1148.8/43

All: 2.931 ± 0.151 χ^2/NDF : 2276.2/89

- sign 3.195 ± 0.215 χ^2/NDF : 1124.4/45

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 95.317 $\pm$ 0.593 χ^2 /NDF: 3893.1/18

Left Out: 61.812 $\pm$ 0.331 χ^2 /NDF: 2686.4/24

Right Out: 95.180 $\pm$ 0.444 χ^2 /NDF: 5285.2/22

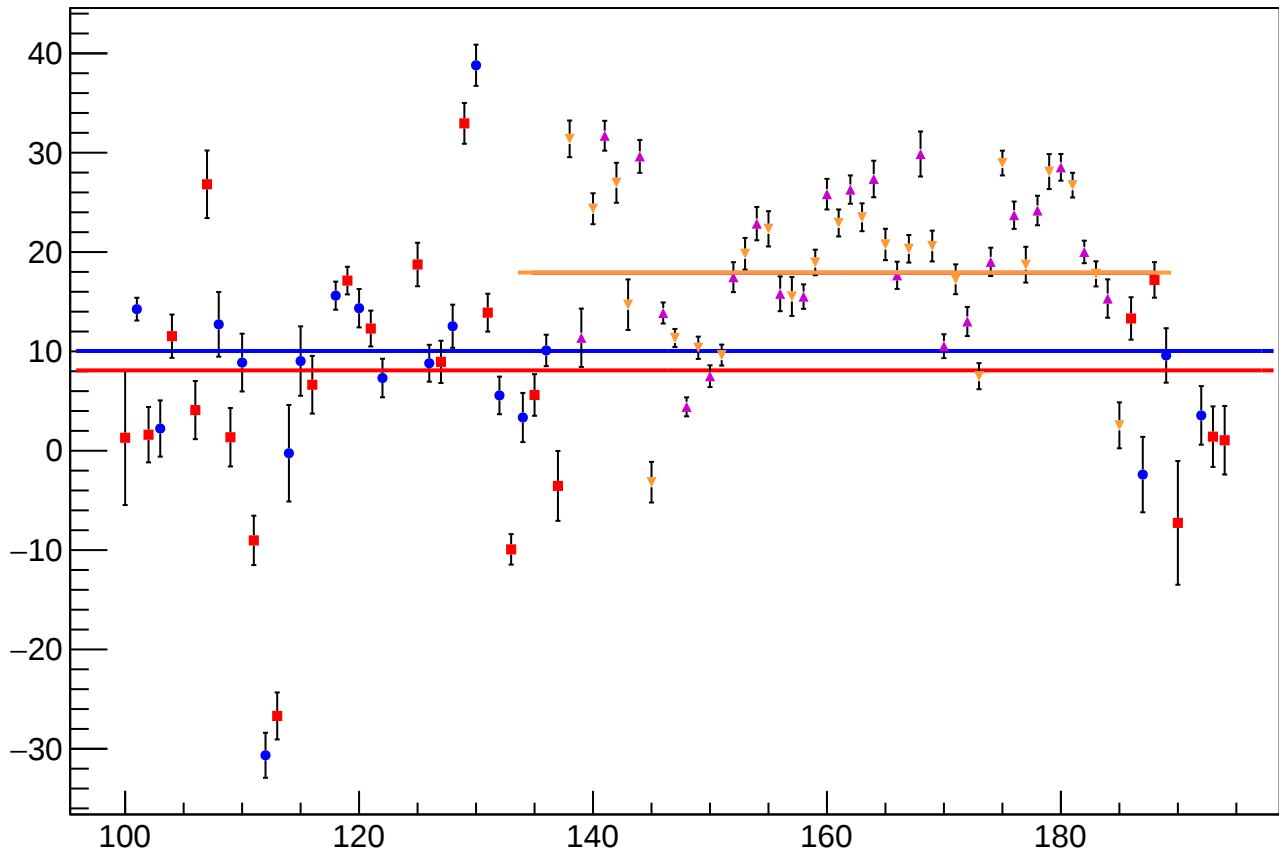
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 69.762 $\pm$ 0.289 χ^2 /NDF: 9016.1/43

All: 71.866 $\pm$ 0.195 χ^2 /NDF: 20462.0/89

- sign 73.637 $\pm$ 0.265 χ^2 /NDF: 11348.2/45

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.041 ± 0.480 $\chi^2/\text{NDF}: 594.2/18$

Left Out: 17.937 ± 0.289 $\chi^2/\text{NDF}: 676.0/24$

Right Out: 8.089 ± 0.477 $\chi^2/\text{NDF}: 734.9/22$

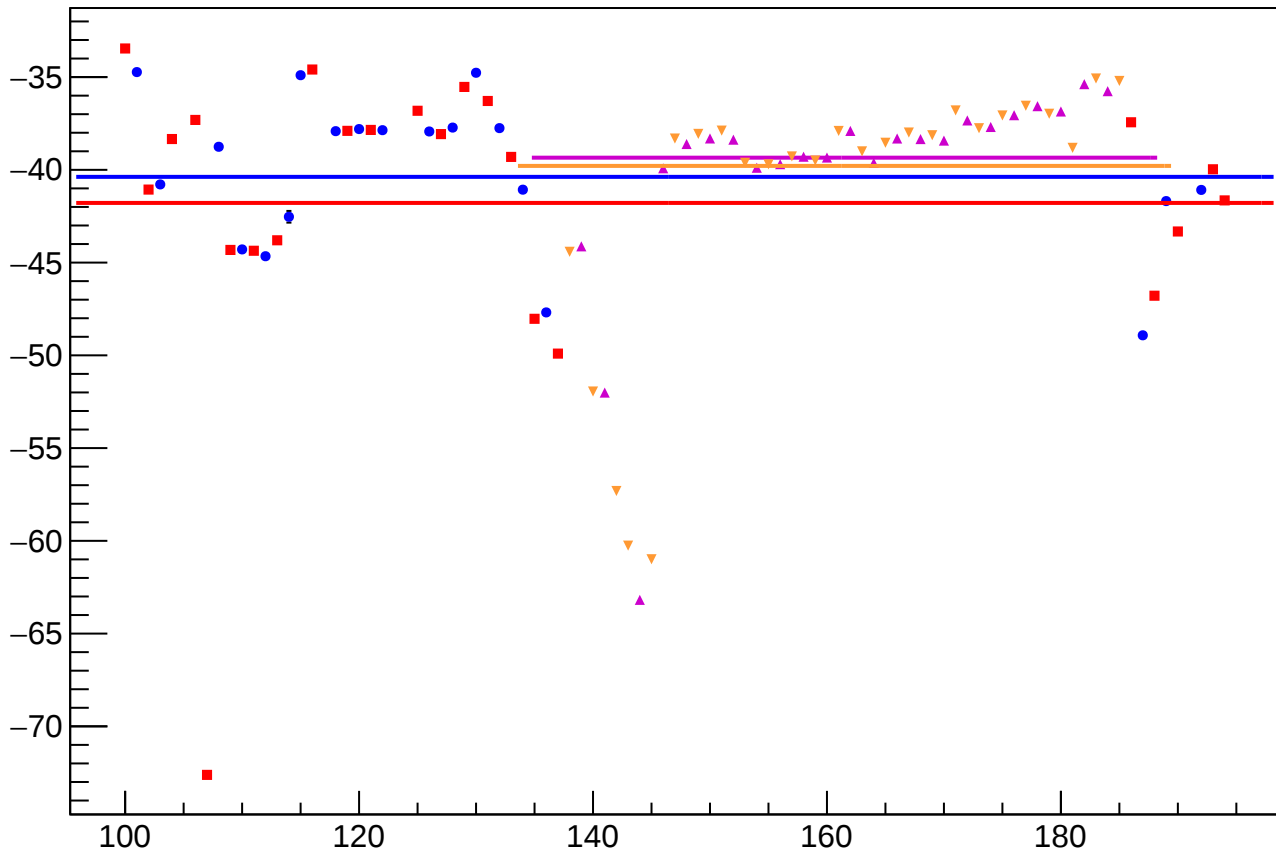
Left In: 17.916 ± 0.292 $\chi^2/\text{NDF}: 726.5/22$

+ sign 15.835 ± 0.248 $\chi^2/\text{NDF}: 1469.1/43$

All: 15.537 ± 0.176 $\chi^2/\text{NDF}: 3241.7/89$

- sign 15.235 ± 0.249 $\chi^2/\text{NDF}: 1769.7/45$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.378 ± 0.026 $\chi^2/\text{NDF}: 26901.1/18$

Left Out: -39.788 ± 0.014 $\chi^2/\text{NDF}: 165493.8/24$

Right Out: -41.784 ± 0.025 $\chi^2/\text{NDF}: 65920.1/22$

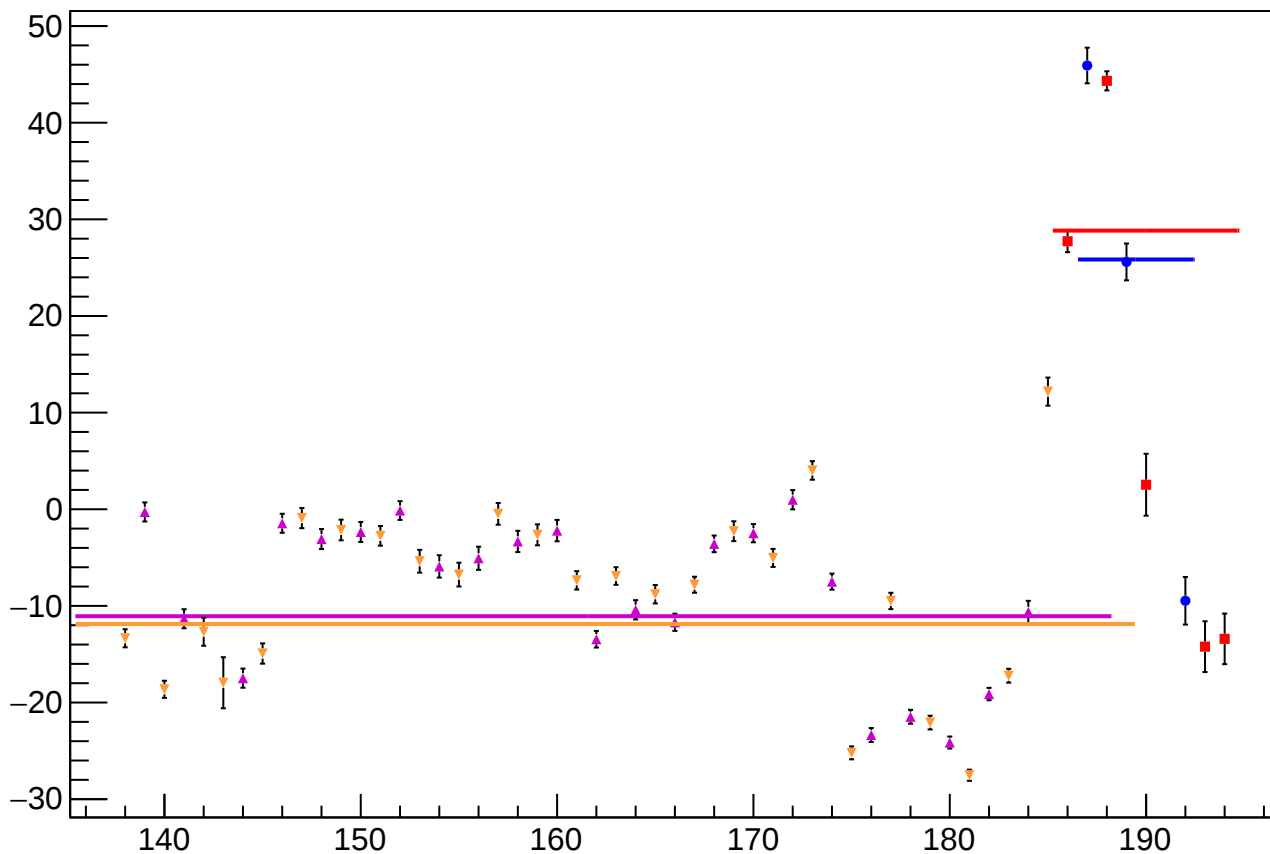
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.913 ± 0.012 $\chi^2/\text{NDF}: 192791.4/43$

All: -39.909 ± 0.009 $\chi^2/\text{NDF}: 382743.6/89$

- sign -39.906 ± 0.012 $\chi^2/\text{NDF}: 189952.0/45$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 25.847 ± 1.167 $\chi^2/\text{NDF}: 324.2/2$

Left Out: -11.873 ± 0.186 $\chi^2/\text{NDF}: 2745.2/24$

Right Out: 28.834 ± 0.677 $\chi^2/\text{NDF}: 842.0/4$

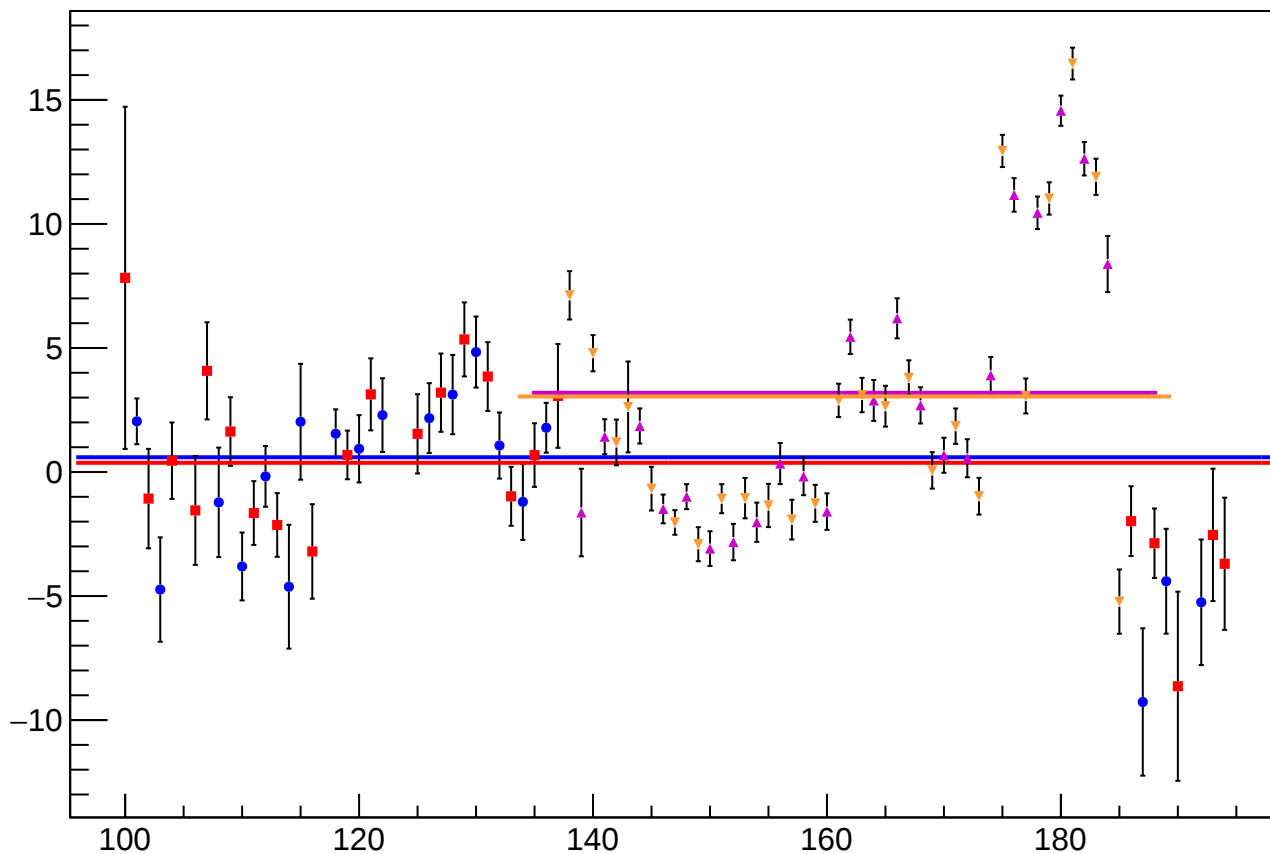
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -10.935 ± 0.184 $\chi^2/\text{NDF}: 4087.9/27$

All: -9.549 ± 0.129 $\chi^2/\text{NDF}: 10375.4/55$

- sign -8.207 ± 0.181 $\chi^2/\text{NDF}: 6175.9/27$

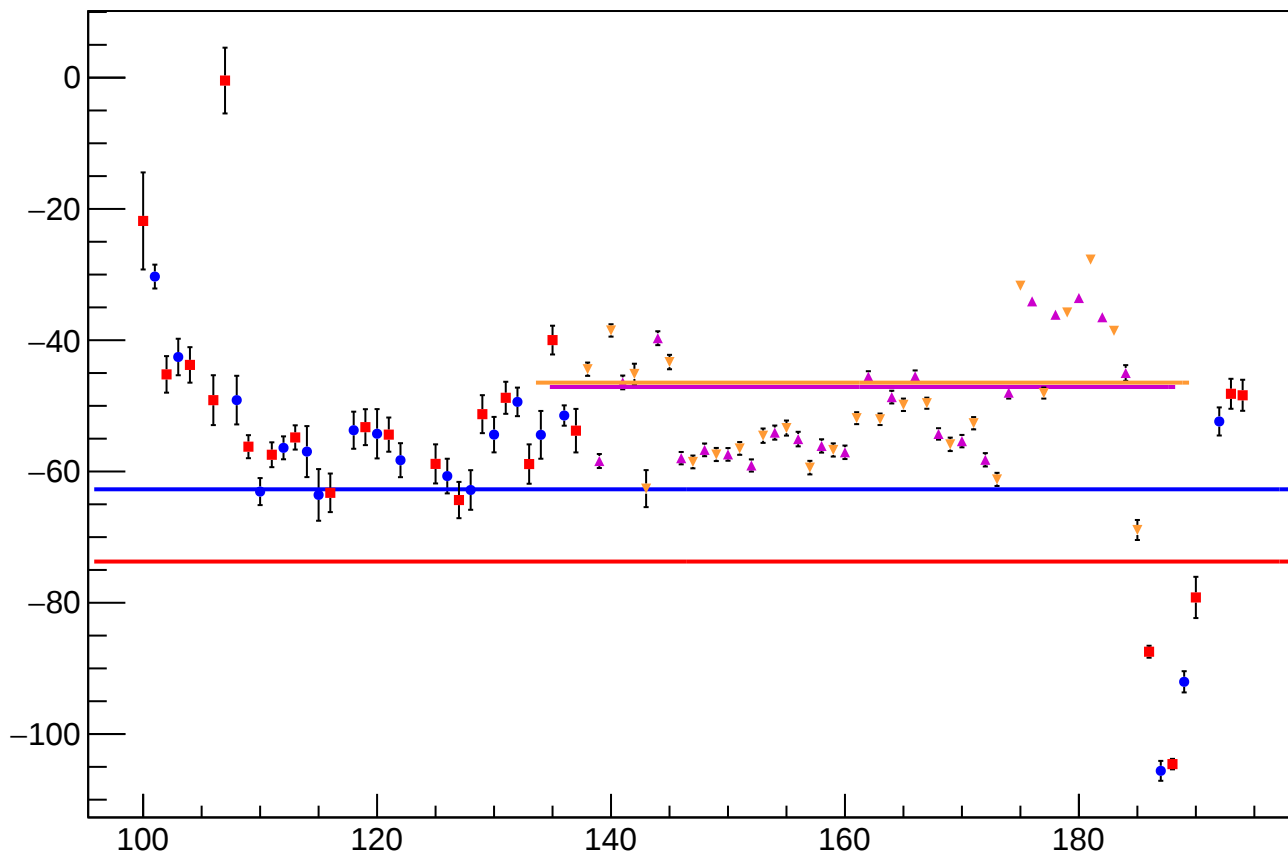
reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.595 $\pm$ 0.333 χ^2/NDF : 64.7/18
 Left Out: 3.044 $\pm$ 0.147 χ^2/NDF : 1457.3/24
 Right Out: 0.372 $\pm$ 0.327 χ^2/NDF : 61.8/22
 Left In: 3.194 $\pm$ 0.150 χ^2/NDF : 1295.0/22

+ sign 2.642 $\pm$ 0.135 χ^2/NDF : 1567.3/43
 All: 2.673 $\pm$ 0.096 χ^2/NDF : 2985.7/89
 - sign 2.704 $\pm$ 0.136 χ^2/NDF : 1418.3/45

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -62.715 ± 0.522 χ^2/NDF : 1675.5/18

Left Out: -46.463 ± 0.186 χ^2/NDF : 3319.7/24

Right Out: -73.721 ± 0.413 χ^2/NDF : 3399.8/22

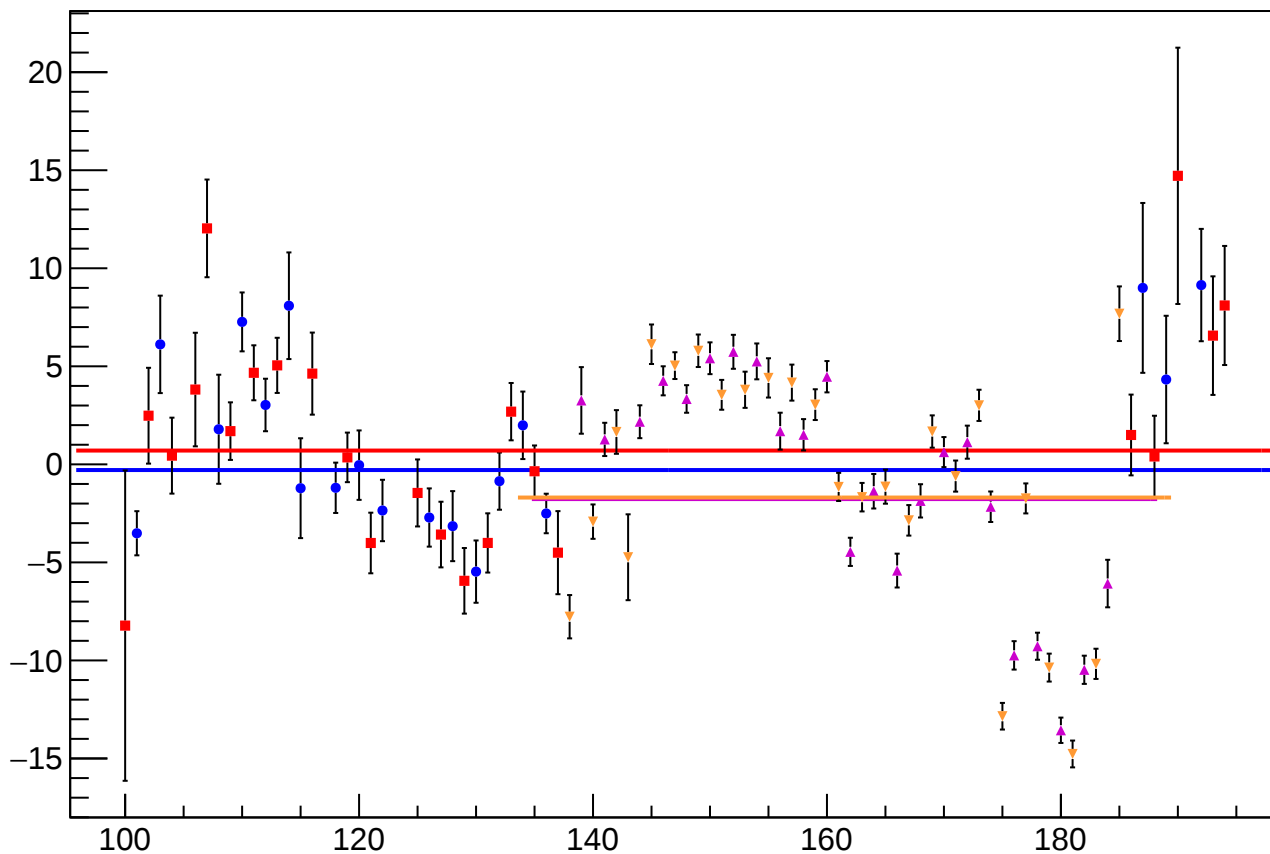
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -48.299 ± 0.175 χ^2/NDF : 5855.9/43

All: -50.031 ± 0.122 χ^2/NDF : 15407.2/89

- sign -51.668 ± 0.170 χ^2/NDF : 9361.5/45

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.290 ± 0.380 χ^2/NDF : 98.8/18

Left Out: -1.693 ± 0.167 χ^2/NDF : 1485.7/24

Right Out: 0.704 ± 0.379 χ^2/NDF : 111.2/22

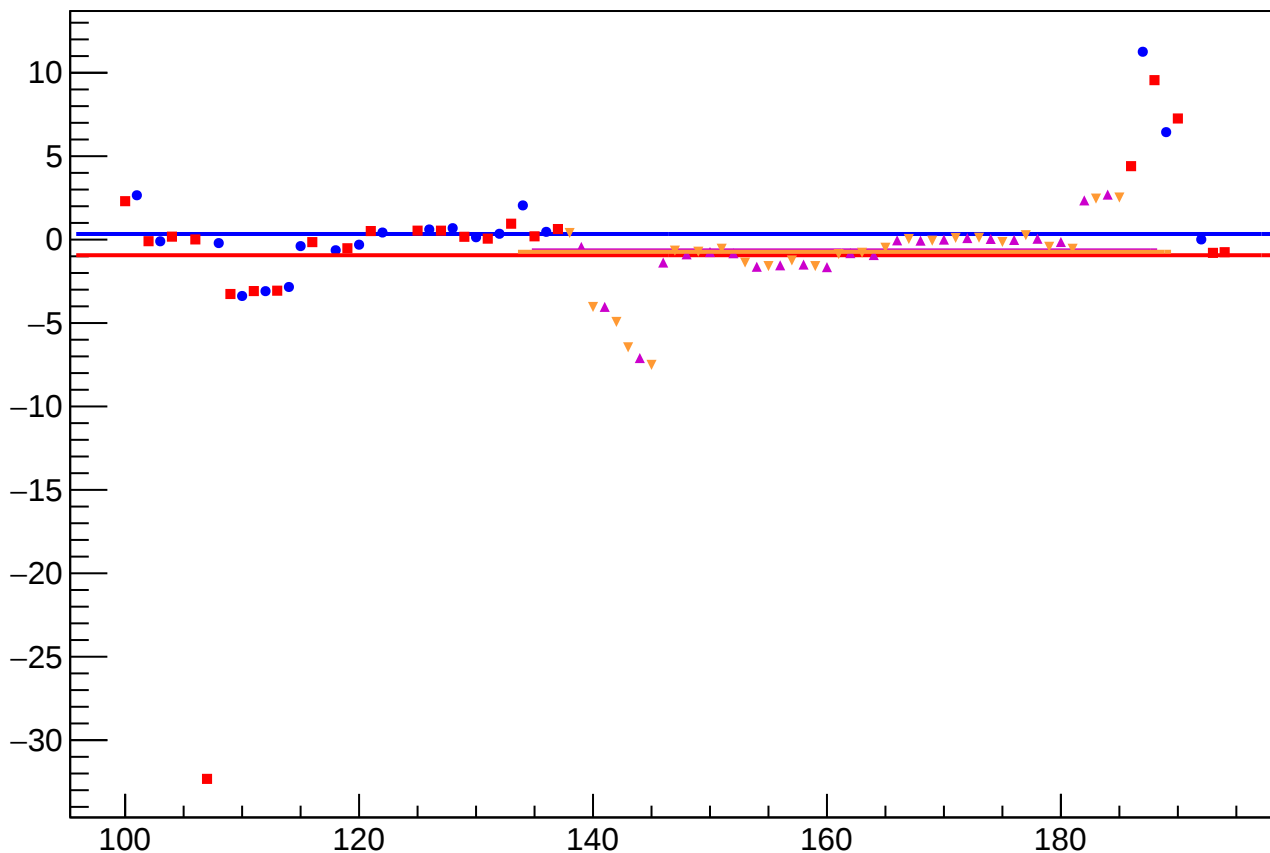
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.467 ± 0.153 χ^2/NDF : 1596.0/43

All: -1.415 ± 0.108 χ^2/NDF : 2994.2/89

- sign -1.361 ± 0.154 χ^2/NDF : 1398.0/45

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.337 ± 0.021 χ^2/NDF : 9105.1/18

Left Out: -0.728 ± 0.008 χ^2/NDF : 56403.8/24

Right Out: -0.936 ± 0.020 χ^2/NDF : 92236.5/22

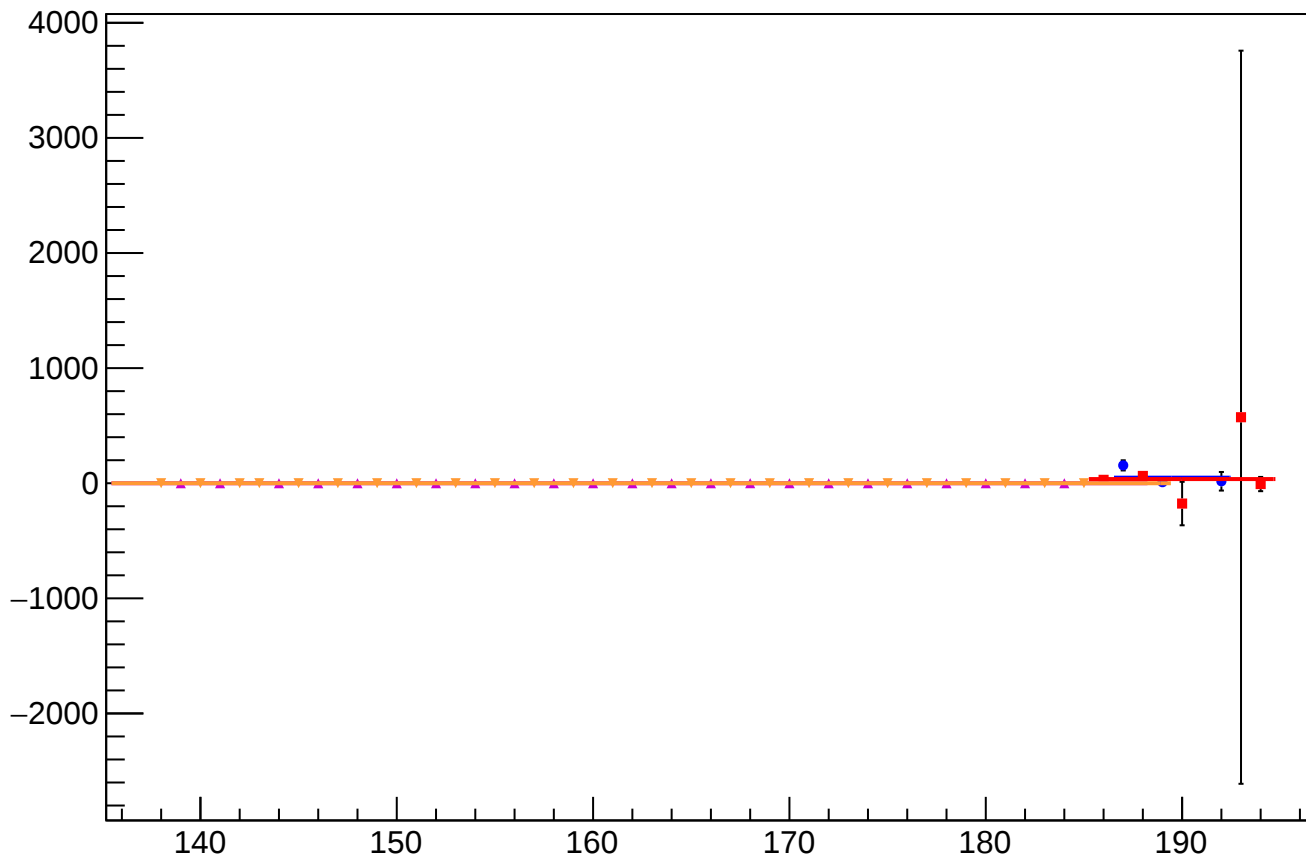
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.601 ± 0.007 χ^2/NDF : 67838.8/43

All: -0.641 ± 0.005 χ^2/NDF : 204493.9/89

- sign -0.681 ± 0.007 χ^2/NDF : 136591.5/45

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 48.273+/-22.731 χ^2/NDF : 8.0/2

Left Out: -0.036+/-0.018 χ^2/NDF : 35.6/24

Right Out: 36.166+/-10.301 χ^2/NDF : 3.8/4

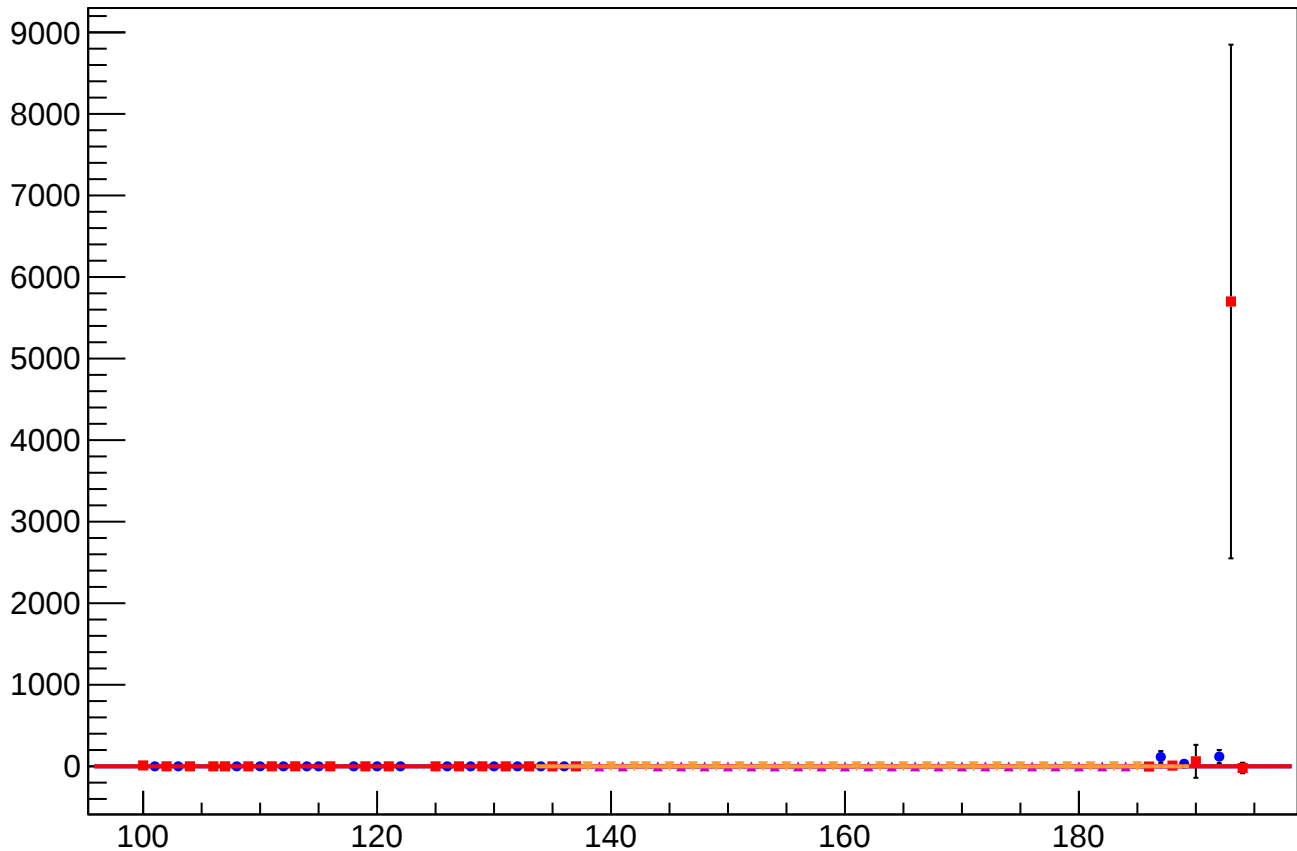
Left In: -0.010+/-0.018 χ^2/NDF : 35.1/22

+ sign -0.036+/-0.018 χ^2/NDF : 48.1/27

All: -0.023+/-0.013 χ^2/NDF : 100.4/55

- sign -0.010+/-0.018 χ^2/NDF : 51.3/27

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 17.7/18

Left Out: -0.071 ± 0.014 χ^2/NDF : 28.3/24

Right Out: -0.088 ± 0.025 χ^2/NDF : 16.5/22

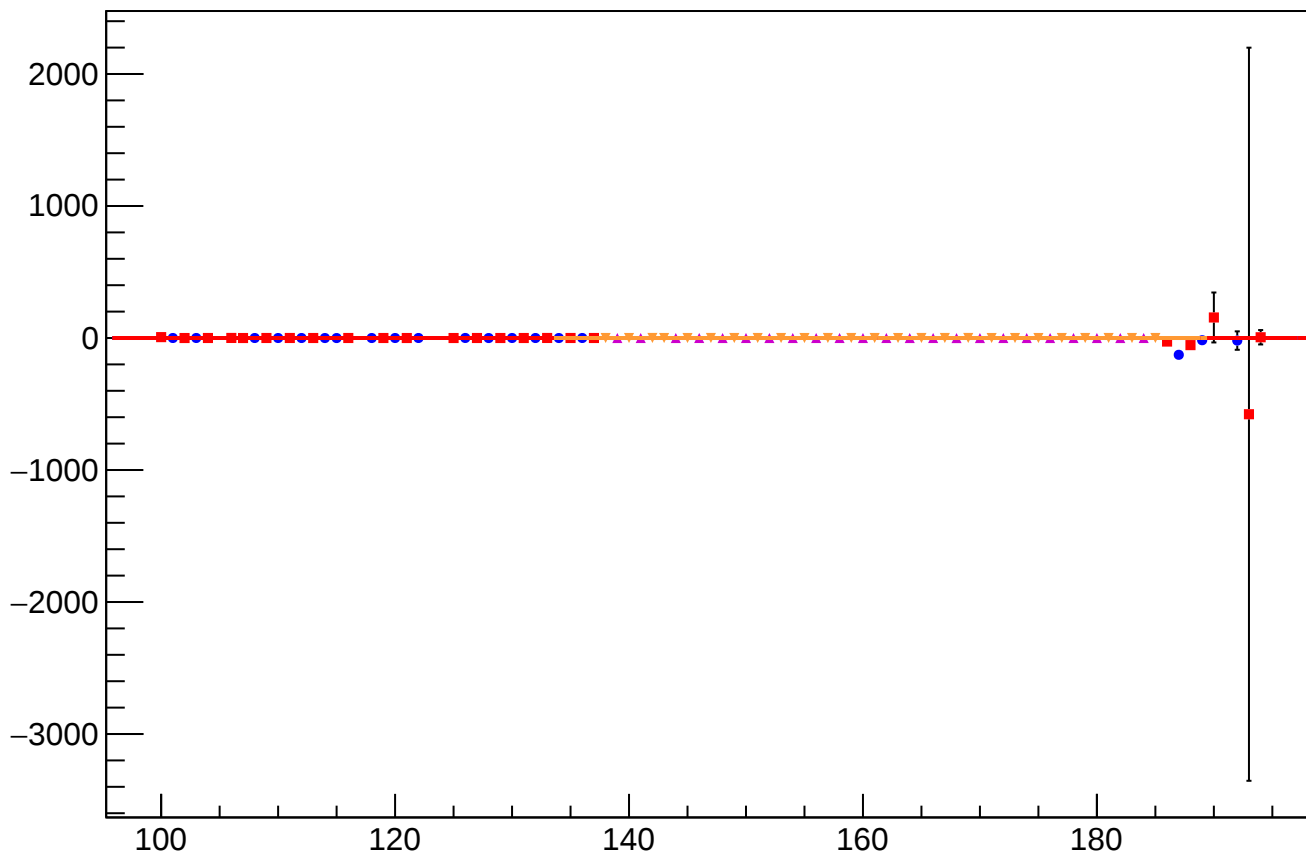
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.056 ± 0.012 χ^2/NDF : 50.4/43

All: -0.063 ± 0.009 χ^2/NDF : 109.3/89

- sign -0.070 ± 0.012 χ^2/NDF : 58.2/45

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 22.1/18

Left Out: 0.033 $\pm$ 0.018 χ^2 /NDF:32.6/24

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 27.7/22

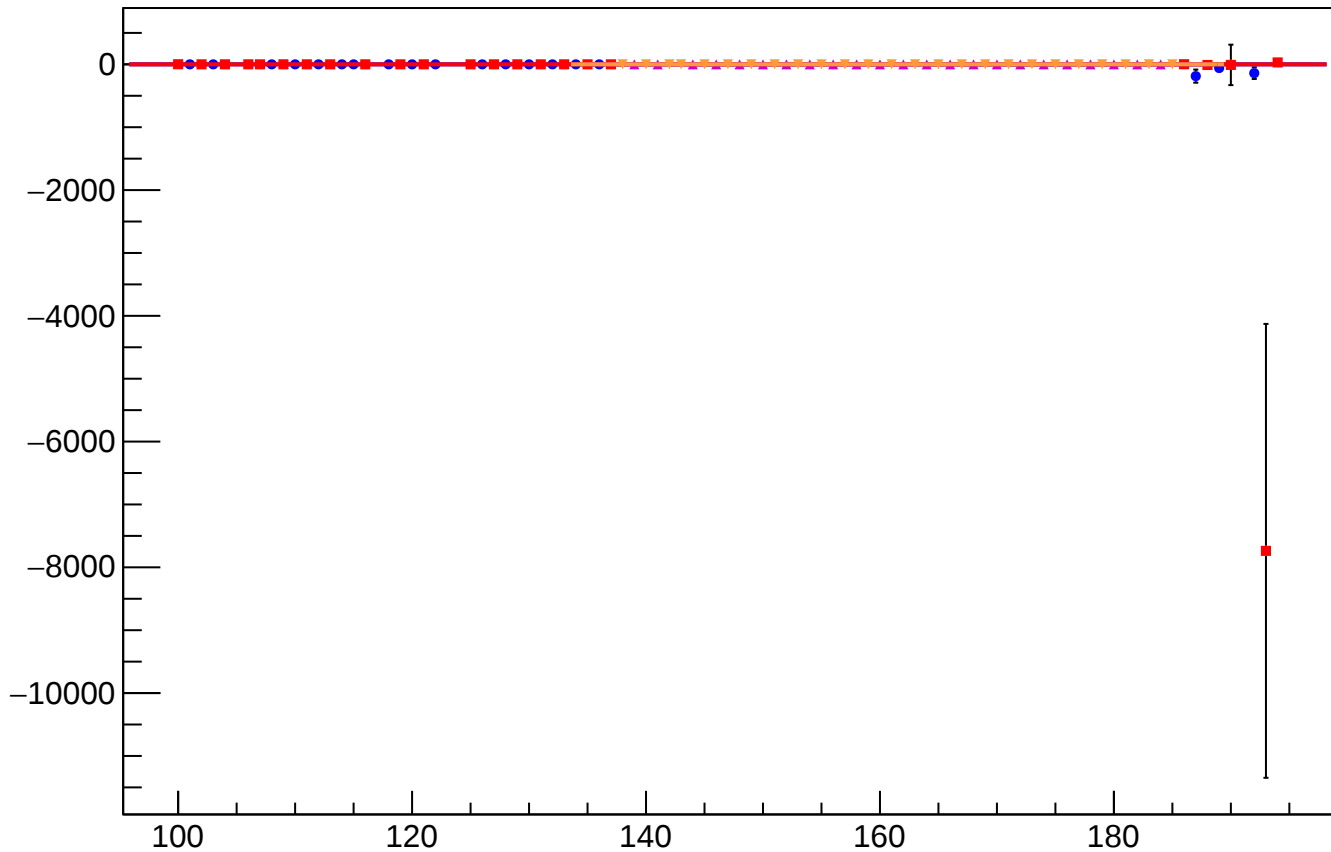
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.031 $\pm$ 0.016 χ^2 /NDF: 54.8/43

All: 0.014 $\pm$ 0.012 χ^2 /NDF: 122.1/89

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 65.2/45

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 ± 0.027 χ^2/NDF : 18.5/18

Left Out: 0.084 ± 0.016 χ^2/NDF : 28.1/24

Right Out: 0.105 ± 0.029 χ^2/NDF : 12.9/22

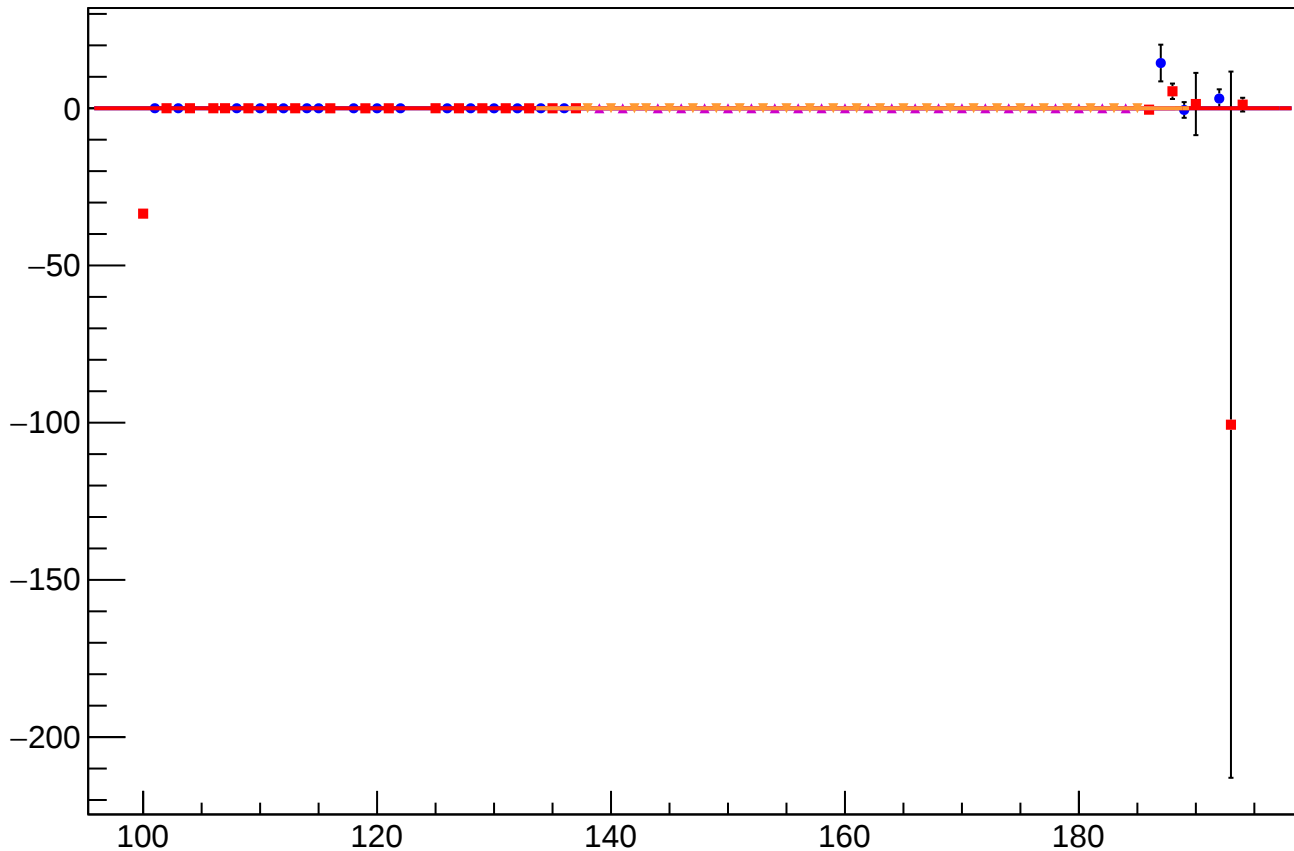
Left In: 0.070 ± 0.016 χ^2/NDF : 44.8/22

+ sign 0.065 ± 0.014 χ^2/NDF : 52.4/43

All: 0.071 ± 0.010 χ^2/NDF : 111.8/89

- sign 0.078 ± 0.014 χ^2/NDF : 58.9/45

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 28.7/18

Left Out: 0.001 ± 0.001 χ^2/NDF : 26.1/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 26515.0/22

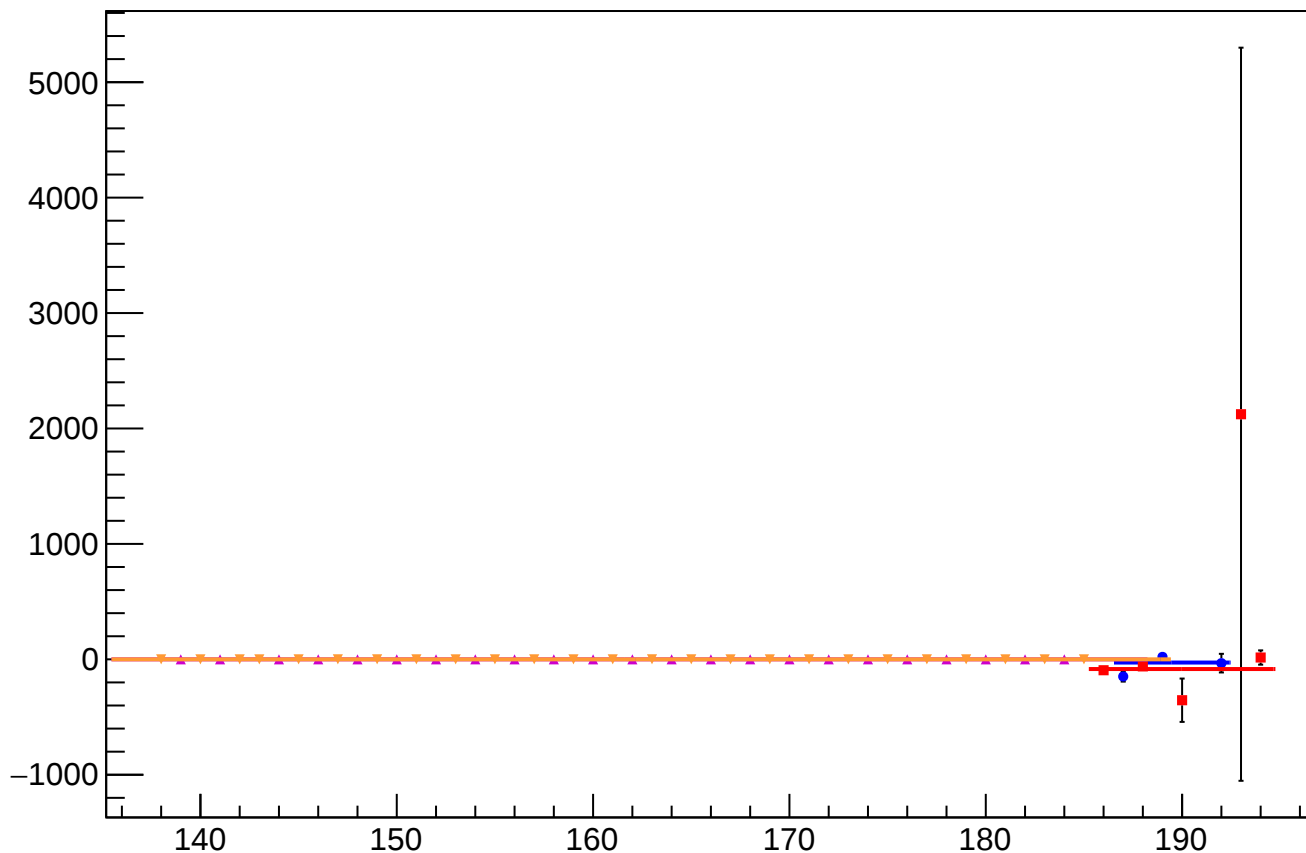
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 68.7/43

All: -0.001 ± 0.000 χ^2/NDF : 26620.1/89

- sign -0.001 ± 0.001 χ^2/NDF : 26551.2/45

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -27.825 ± 22.712 χ^2/NDF : 10.5/2

Left Out: -0.059 ± 0.018 χ^2/NDF : 41.7/24

Right Out: -84.064 ± 10.304 χ^2/NDF : 7.1/4

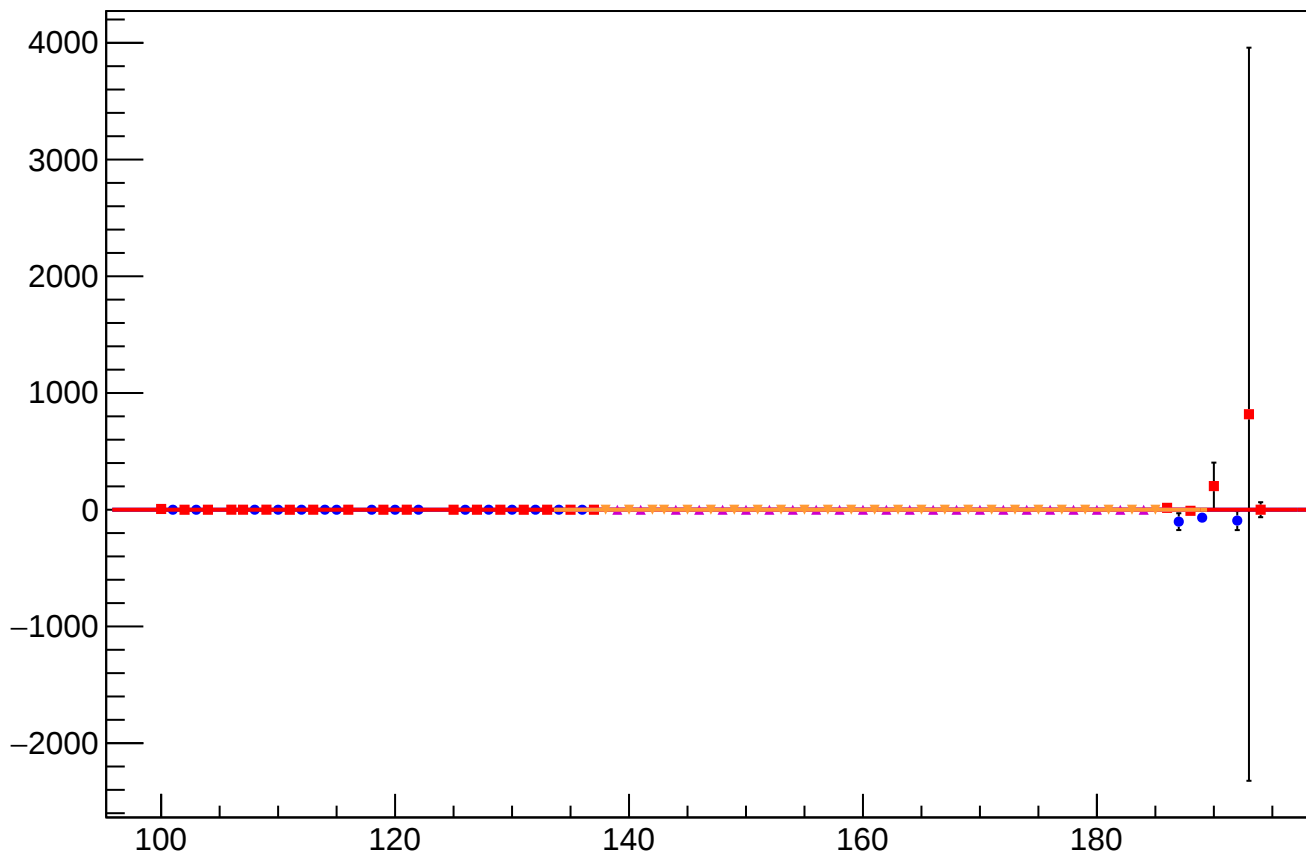
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.059 ± 0.018 χ^2/NDF : 53.7/27

All: -0.035 ± 0.013 χ^2/NDF : 166.4/55

- sign -0.009 ± 0.018 χ^2/NDF : 108.8/27

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 +/- 0.023 χ^2/NDF : 33.0/18

Left Out: -0.010 +/- 0.014 χ^2/NDF : 29.7/24

Right Out: 0.037 +/- 0.025 χ^2/NDF : 31.0/22

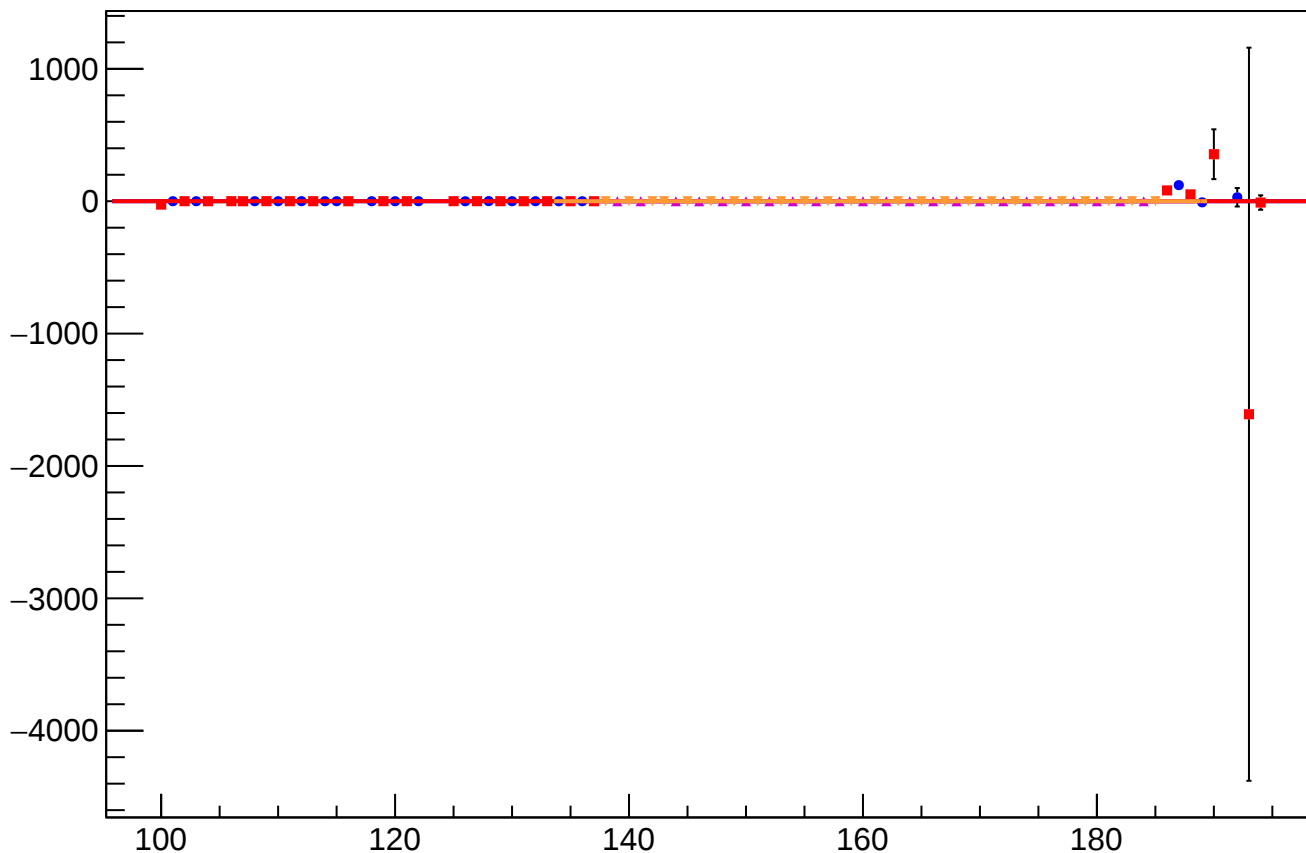
Left In: 0.005 +/- 0.014 χ^2/NDF : 49.6/22

+ sign -0.005 +/- 0.012 χ^2/NDF : 63.1/43

All: 0.003 +/- 0.009 χ^2/NDF : 146.0/89

- sign 0.013 +/- 0.012 χ^2/NDF : 81.8/45

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2/NDF : 41.3/18

Left Out: 0.055 $\pm$ 0.018 χ^2/NDF : 41.0/24

Right Out: 0.197 $\pm$ 0.045 χ^2/NDF : 105.9/22

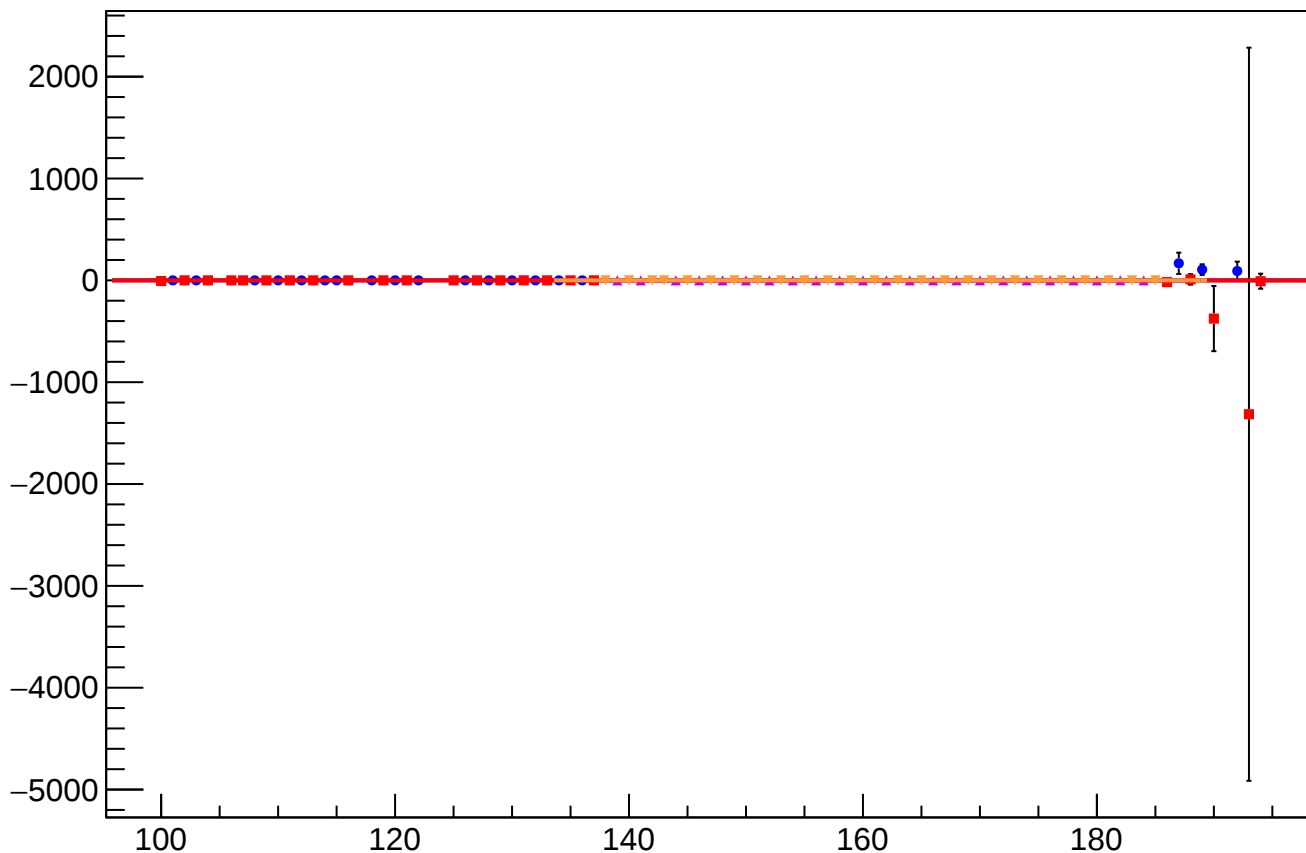
Left In: 0.020 $\pm$ 0.018 χ^2/NDF : 35.8/22

+ sign 0.070 $\pm$ 0.016 χ^2/NDF : 87.0/43

All: 0.057 $\pm$ 0.012 χ^2/NDF : 243.2/89

- sign 0.044 $\pm$ 0.017 χ^2/NDF : 155.0/45

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 32.2/18

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.4/24

Right Out: -0.046 ± 0.029 χ^2/NDF : 28.4/22

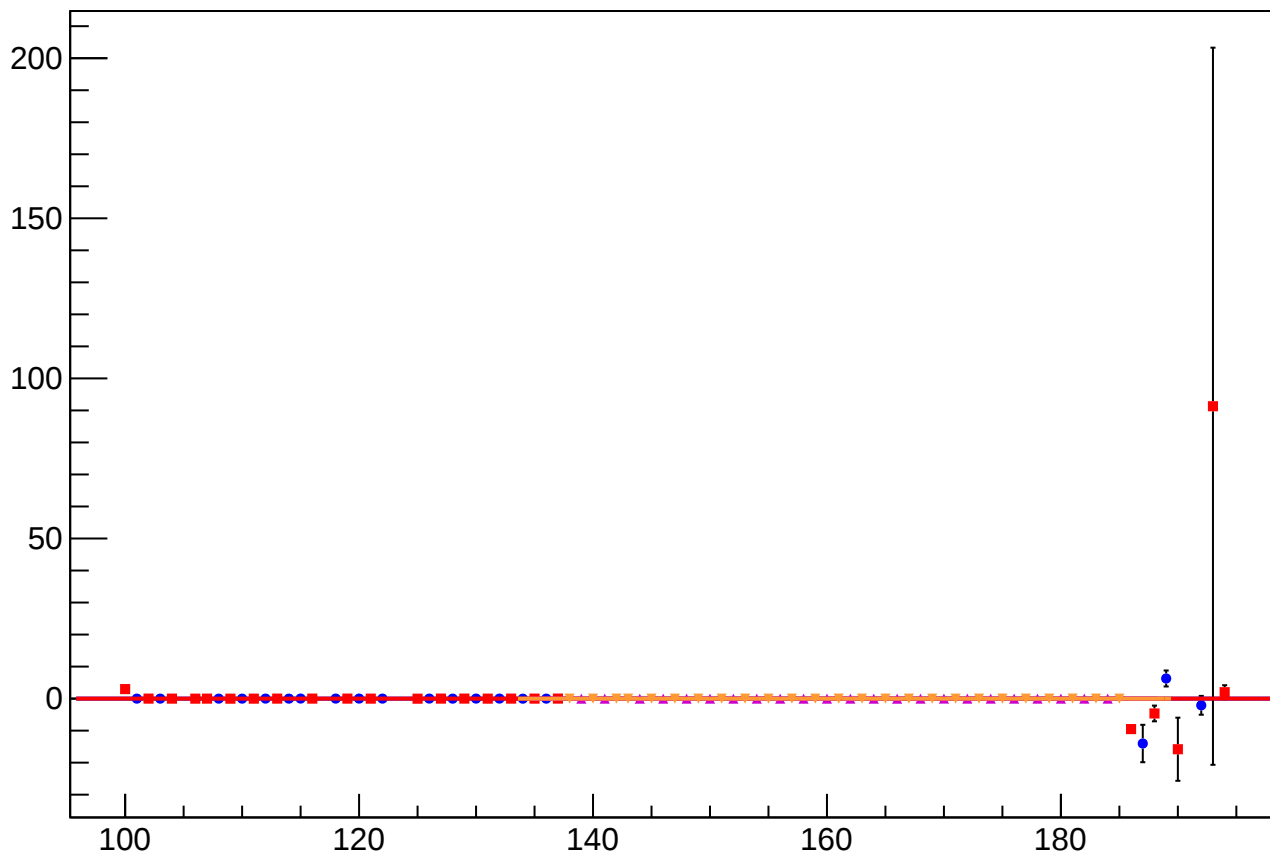
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 66.6/43

All: 0.003 ± 0.010 χ^2/NDF : 148.7/89

- sign -0.007 ± 0.014 χ^2/NDF : 81.1/45

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006+/-0.001 χ^2 /NDF: 40.1/18

Left Out: -0.008+/-0.001 χ^2 /NDF:32.7/24

Right Out: -0.006+/-0.001 χ^2 /NDF: 210.5/22

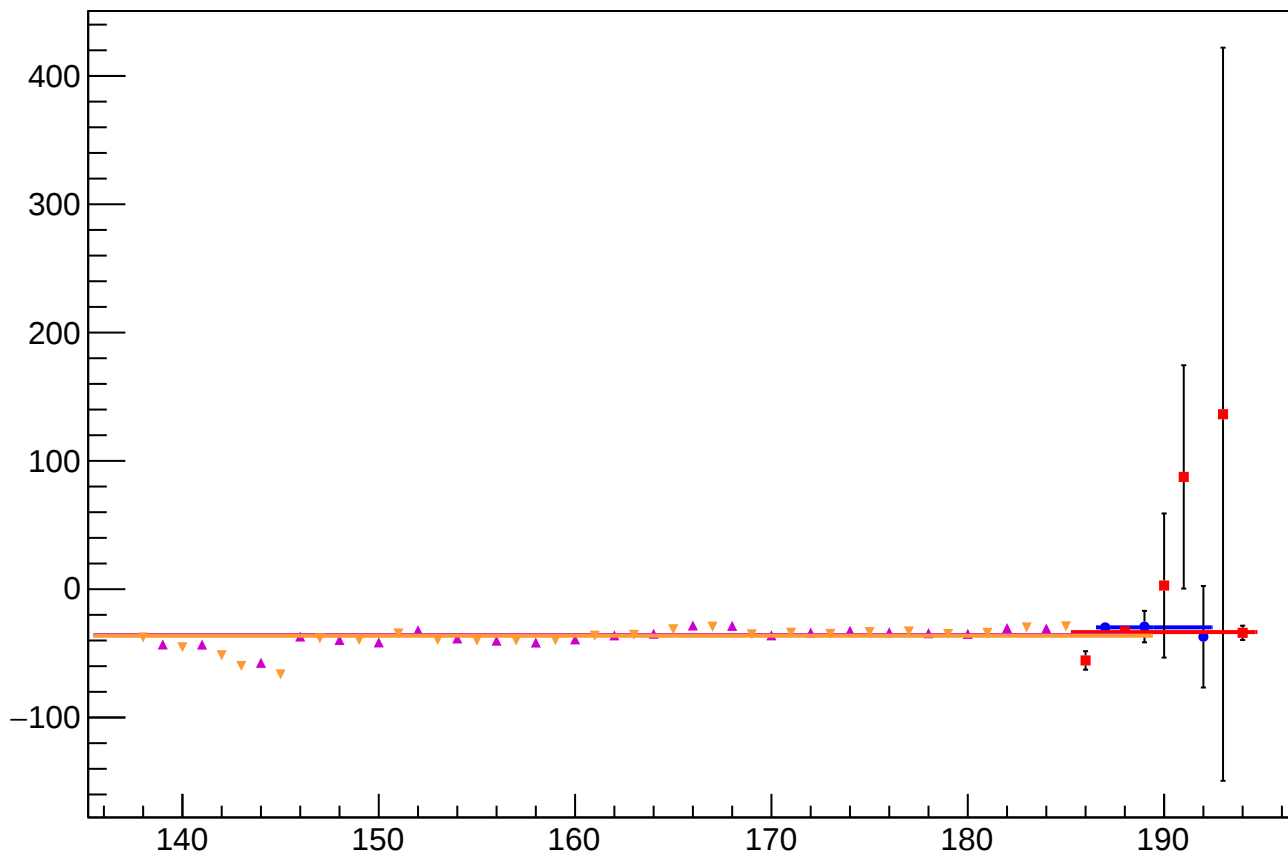
Left In: -0.009+/-0.001 χ^2 /NDF:37.2/22

+ sign -0.008+/-0.001 χ^2 /NDF: 74.3/43

All: -0.008+/-0.000 χ^2 /NDF: 325.2/89

- sign -0.008+/-0.001 χ^2 /NDF: 250.7/45

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.750 ± 1.851 χ^2/NDF : 0.0/2

Left Out: -36.243 ± 0.191 χ^2/NDF : 1193.9/24

Right Out: -33.435 ± 1.139 χ^2/NDF : 12.3/5

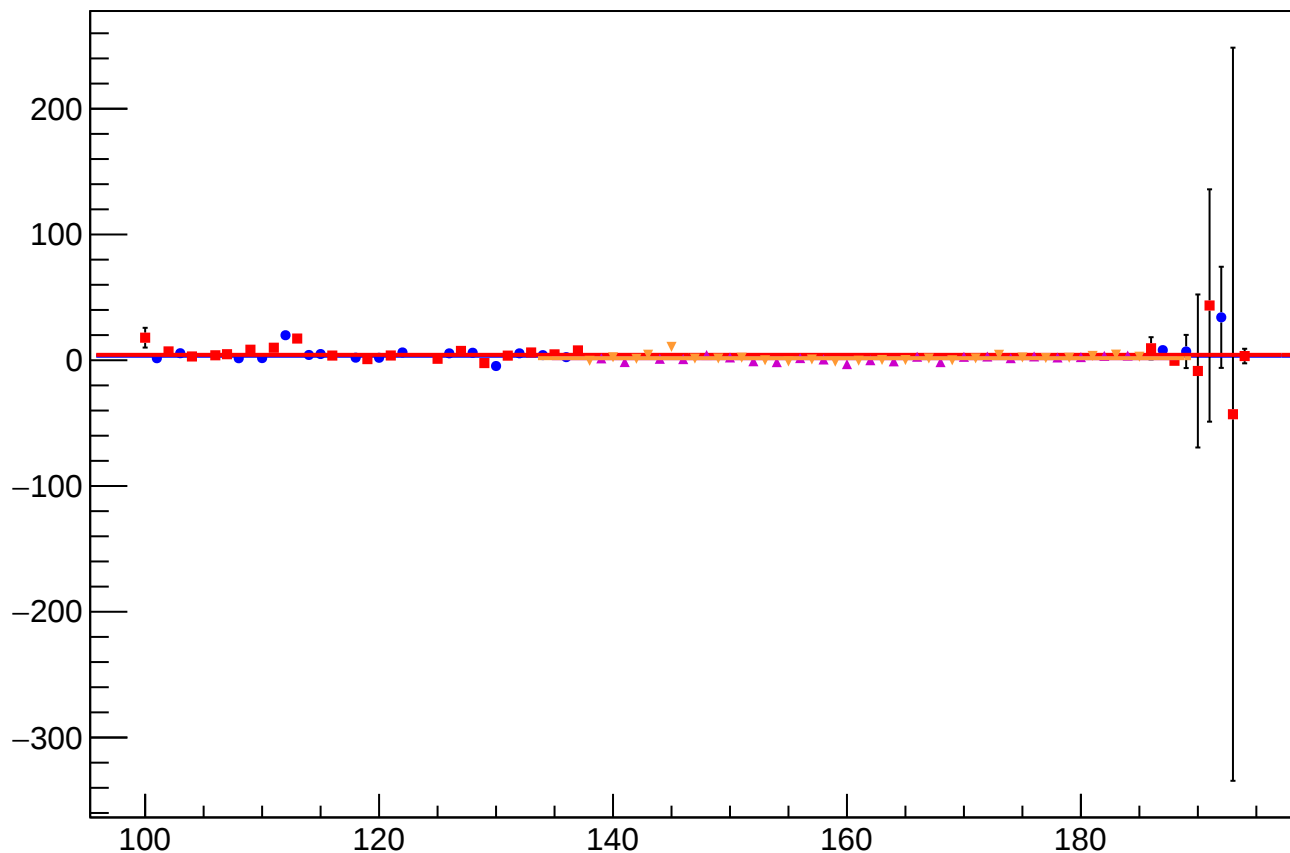
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -36.174 ± 0.190 χ^2/NDF : 1206.1/27

All: -35.943 ± 0.134 χ^2/NDF : 2079.6/56

- sign -35.715 ± 0.189 χ^2/NDF : 870.5/28

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.578 ± 0.220 χ^2/NDF : 442.8/18

Left Out: 1.652 ± 0.147 χ^2/NDF : 168.8/24

Right Out: 4.309 ± 0.223 χ^2/NDF : 360.1/23

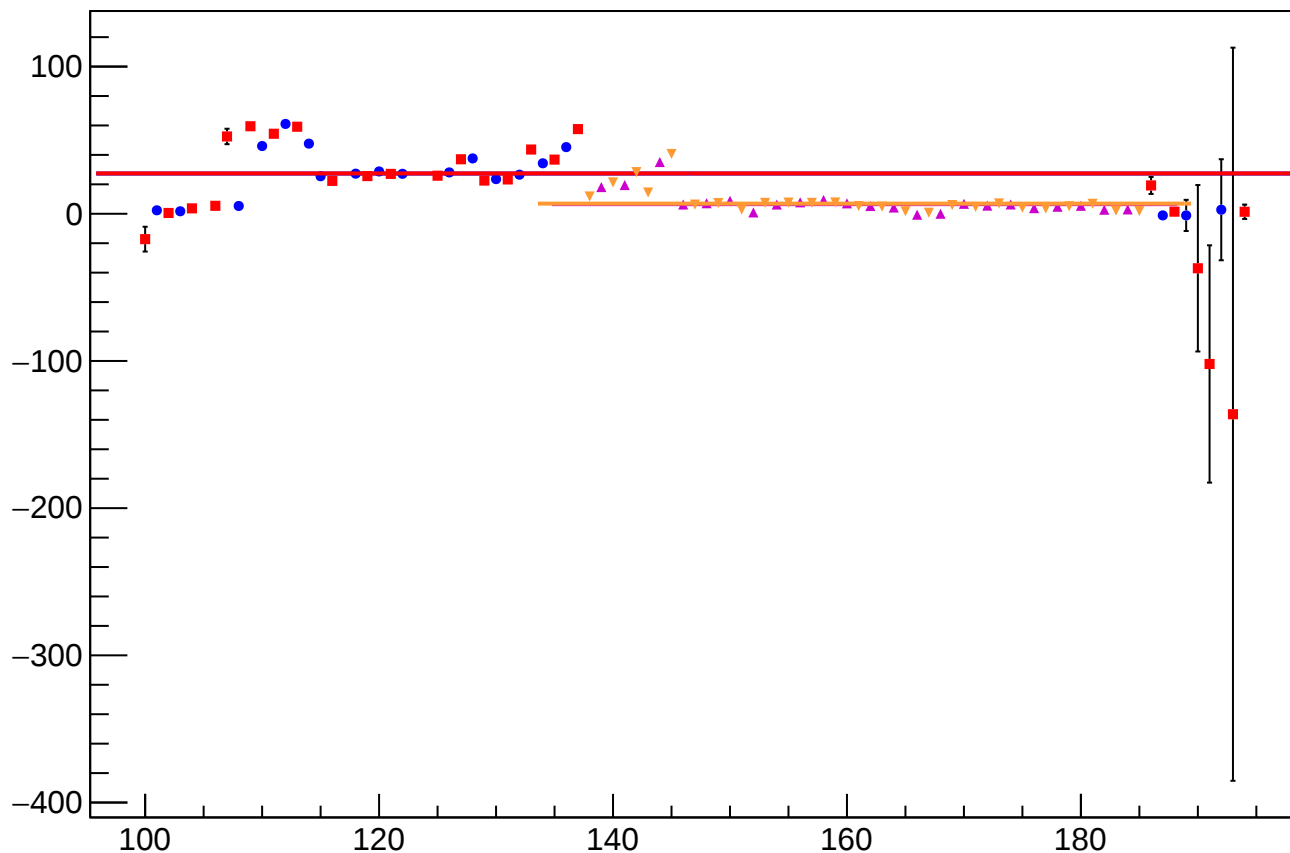
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.248 ± 0.122 χ^2/NDF : 664.4/43

All: 2.355 ± 0.087 χ^2/NDF : 1287.8/90

- sign 2.466 ± 0.124 χ^2/NDF : 621.8/46

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 27.328 $\pm$ 0.405 χ^2 /NDF: 1864.6/18

Left Out: 6.900 $\pm$ 0.191 χ^2 /NDF: 1302.8/24

Right Out: 27.420 $\pm$ 0.385 χ^2 /NDF: 2597.9/23

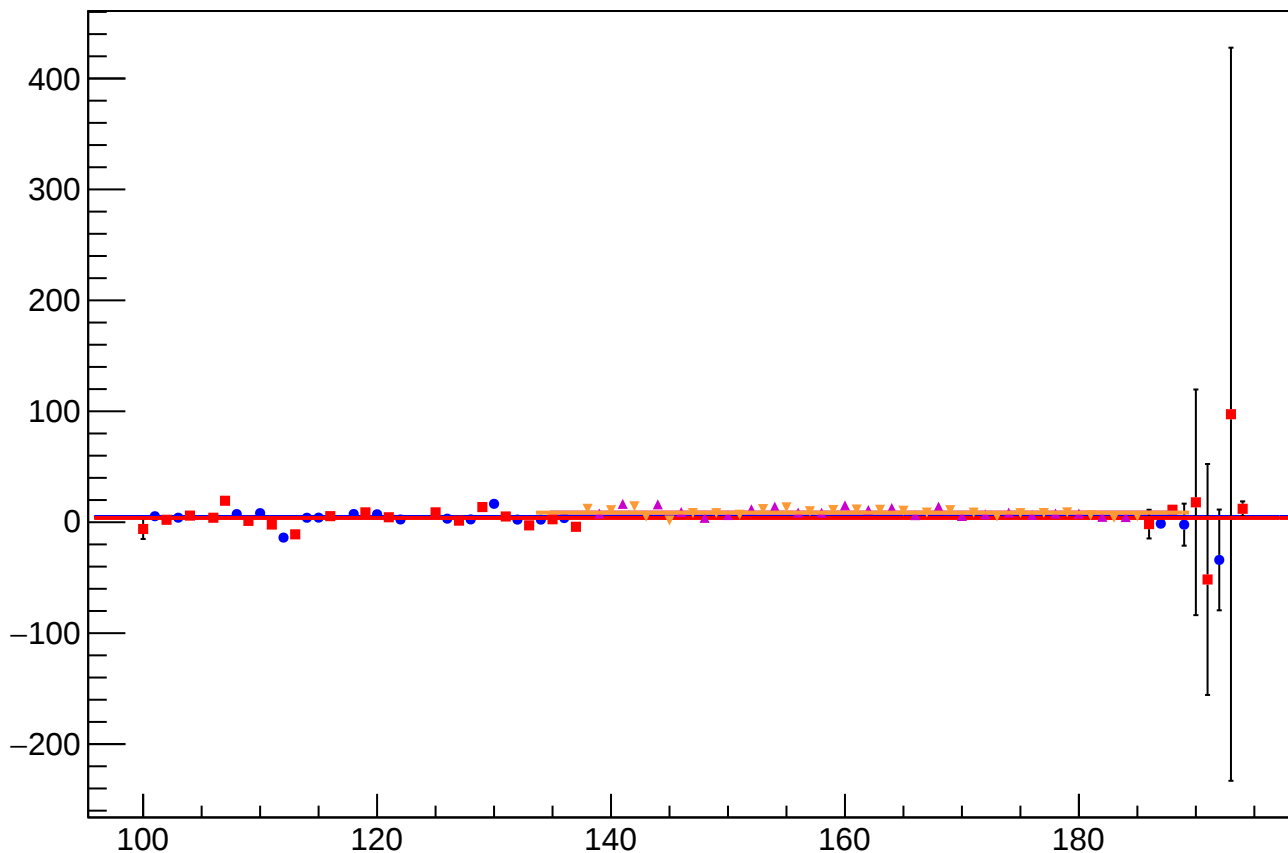
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.613 $\pm$ 0.173 χ^2 /NDF: 5247.2/43

All: 10.626 $\pm$ 0.121 χ^2 /NDF: 11233.7/90

- sign 10.639 $\pm$ 0.171 χ^2 /NDF: 5986.5/46

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.728 $\pm$ 0.254 χ^2 /NDF: 549.3/18

Left Out: 8.674 $\pm$ 0.168 χ^2 /NDF:243.7/24

Right Out: 3.862 $\pm$ 0.258 χ^2 /NDF: 574.0/23

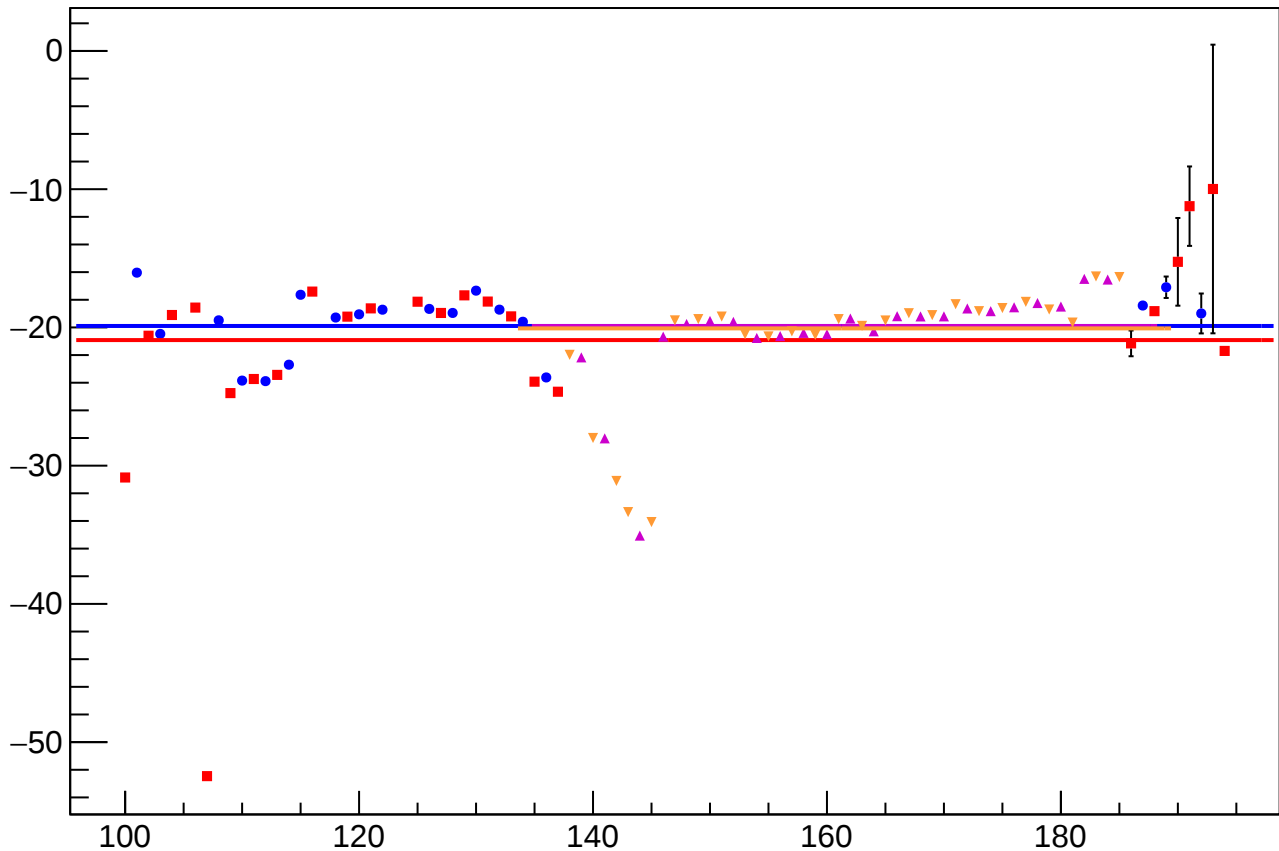
Left In: 8.668 $\pm$ 0.170 χ^2 /NDF:436.7/22

+ sign 7.468 $\pm$ 0.140 χ^2 /NDF: 960.5/43

All: 7.340 $\pm$ 0.100 χ^2 /NDF: 2215.1/90

- sign 7.208 $\pm$ 0.142 χ^2 /NDF: 1252.9/46

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.894 ± 0.016 χ^2/NDF : 26068.6/18

Left Out: -20.069 ± 0.008 χ^2/NDF : 185373.7/24

Right Out: -20.915 ± 0.016 χ^2/NDF : 94233.6/23

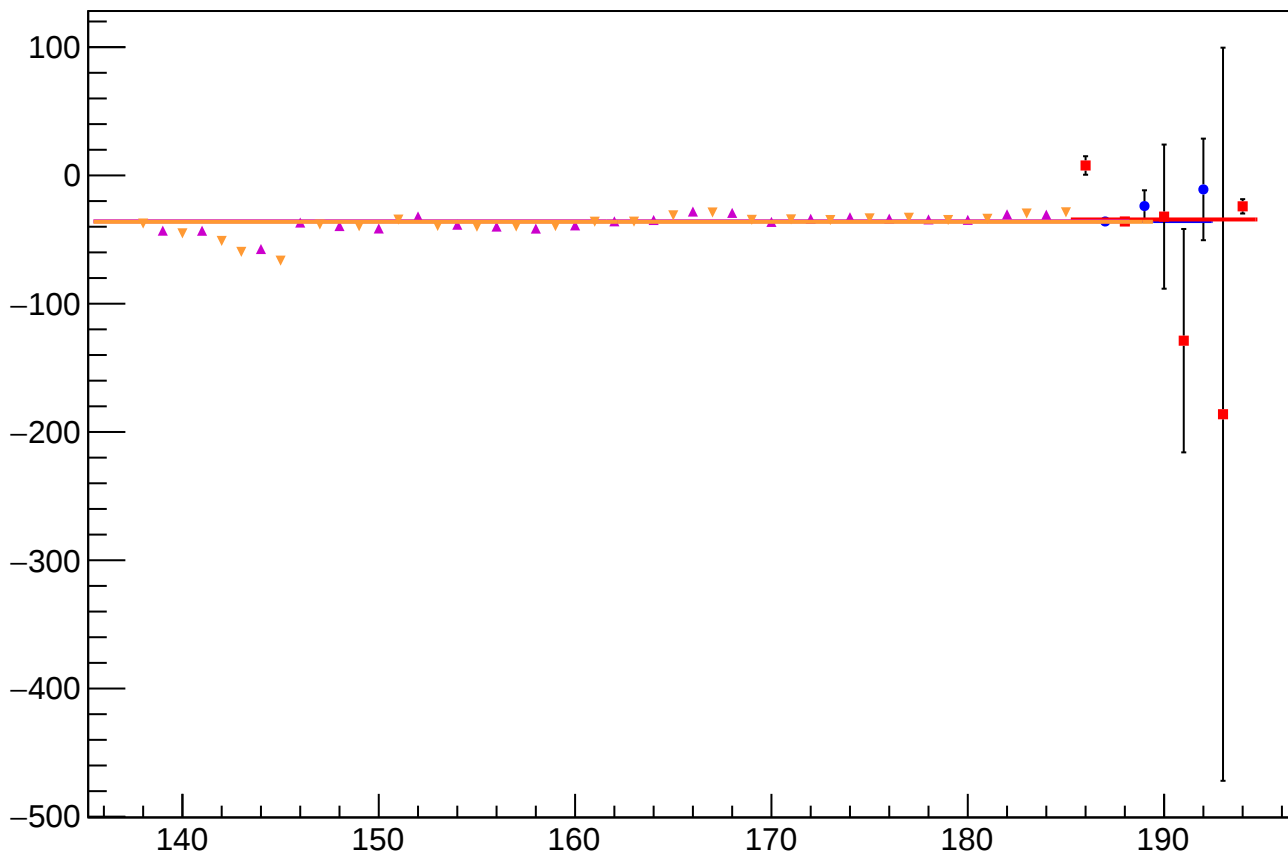
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -20.034 ± 0.007 χ^2/NDF : 211541.9/43

All: -20.069 ± 0.005 χ^2/NDF : 453411.8/90

- sign -20.103 ± 0.007 χ^2/NDF : 241821.0/46

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -35.575 ± 1.858 $\chi^2/\text{NDF}: 1.3/2$

Left Out: -36.152 ± 0.191 $\chi^2/\text{NDF}: 1199.2/24$

Right Out: -34.335 ± 1.142 $\chi^2/\text{NDF}: 40.6/5$

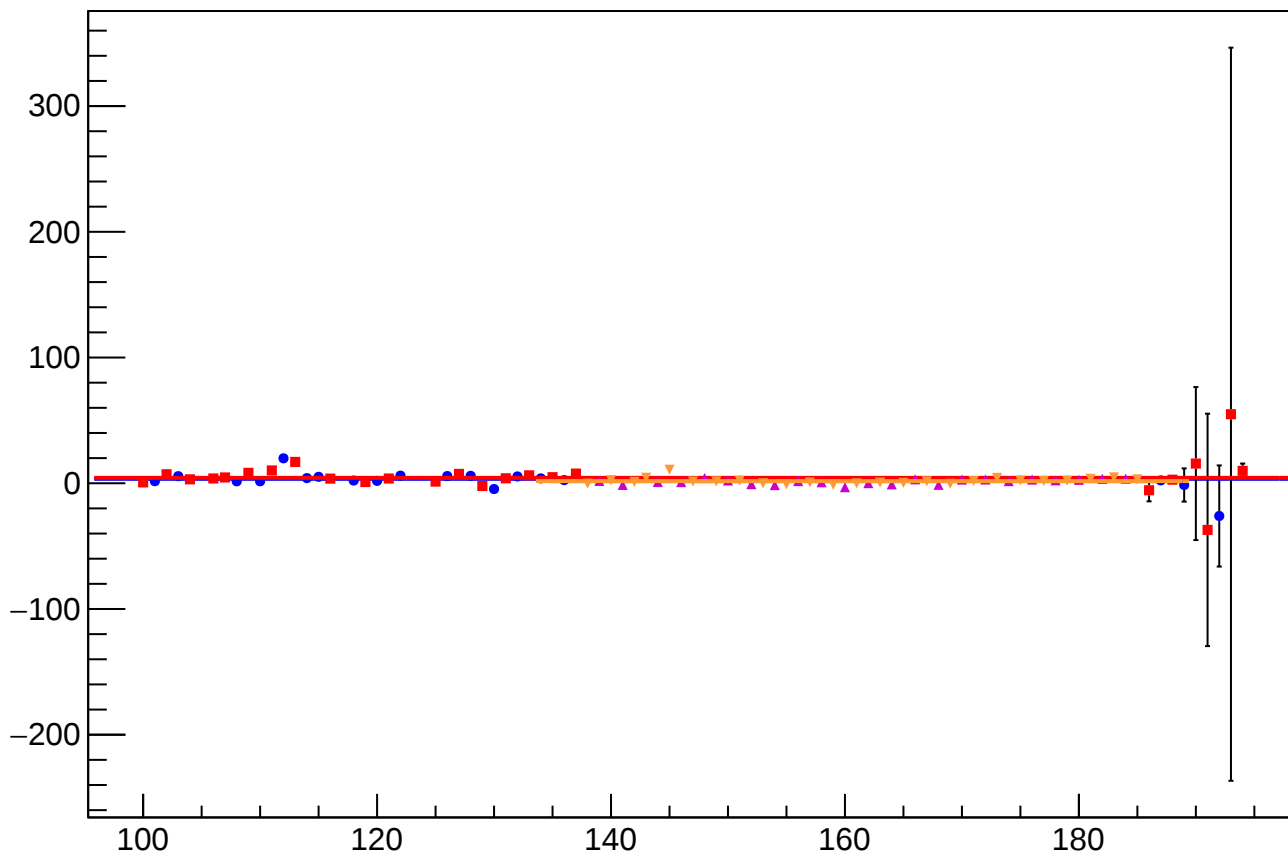
Left In: -35.766 ± 0.191 $\chi^2/\text{NDF}: 842.6/22$

+ sign -36.146 ± 0.190 $\chi^2/\text{NDF}: 1200.6/27$

All: -35.935 ± 0.134 $\chi^2/\text{NDF}: 2087.8/56$

- sign -35.727 ± 0.189 $\chi^2/\text{NDF}: 884.7/28$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.550 ± 0.220 χ^2/NDF : 438.0/18

Left Out: 1.741 ± 0.147 χ^2/NDF : 170.2/24

Right Out: 4.289 ± 0.220 χ^2/NDF : 355.1/23

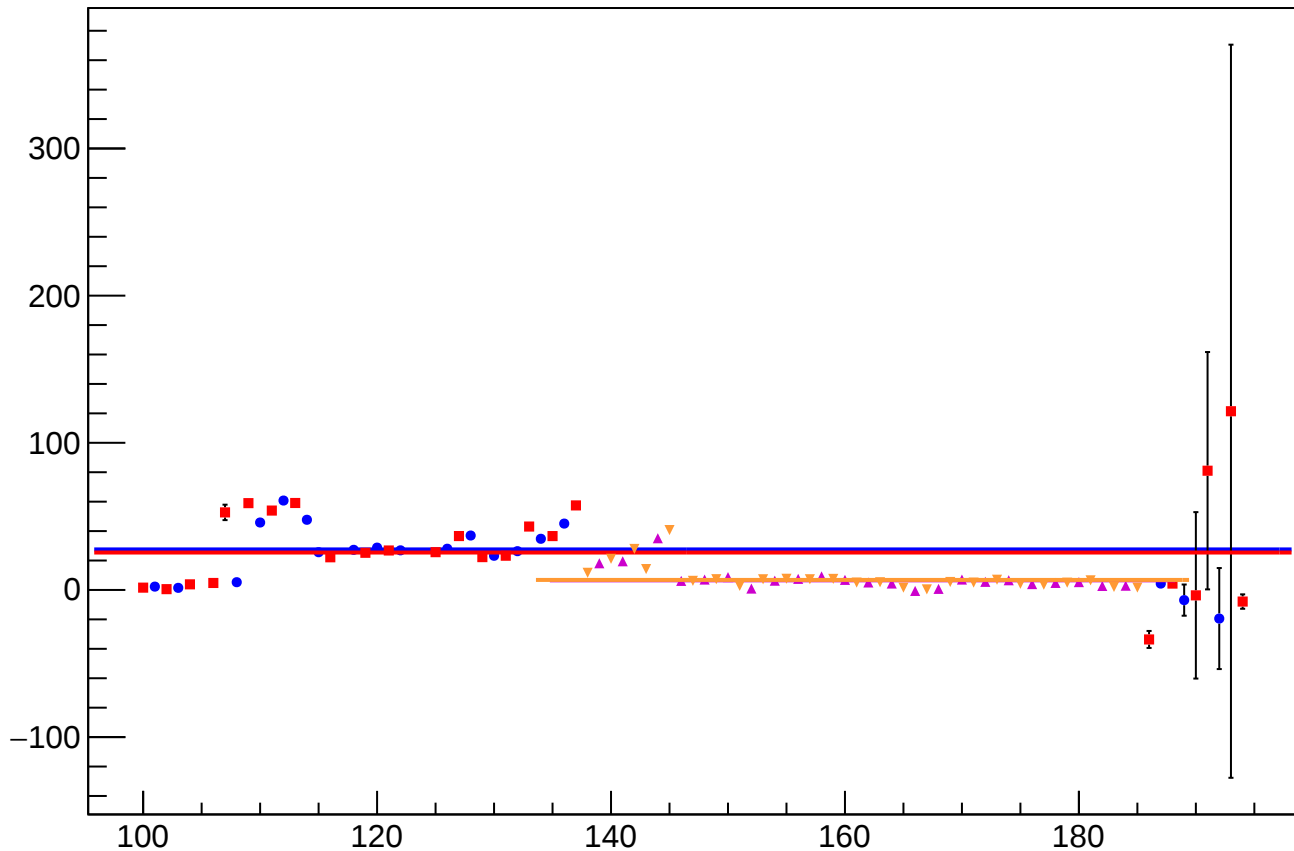
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.301 ± 0.122 χ^2/NDF : 655.0/43

All: 2.410 ± 0.087 χ^2/NDF : 1269.3/90

- sign 2.523 ± 0.124 χ^2/NDF : 612.8/46

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 27.546 ± 0.405 $\chi^2/\text{NDF}: 1739.1/18$

Left Out: 6.813 ± 0.191 $\chi^2/\text{NDF}: 1304.5/24$

Right Out: 25.432 ± 0.370 $\chi^2/\text{NDF}: 2879.8/23$

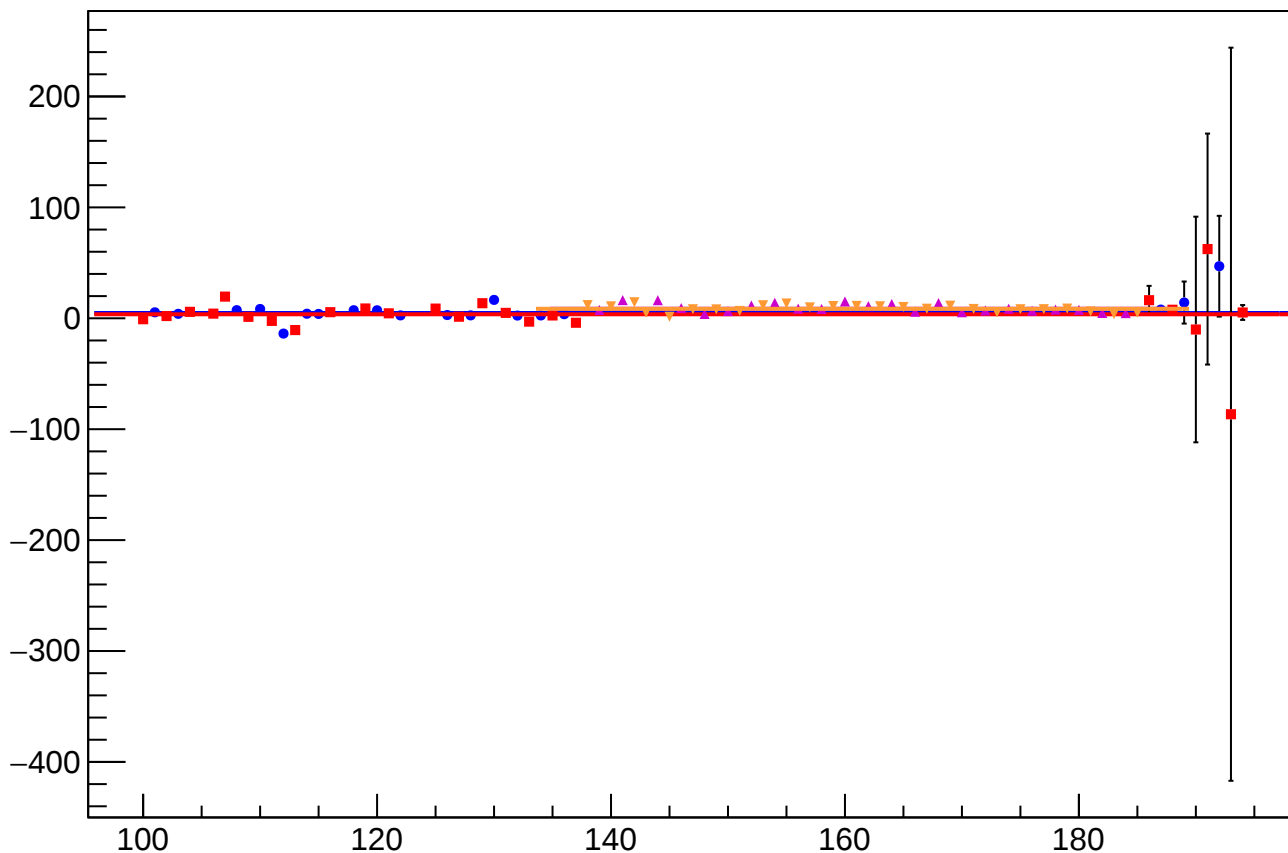
Left In: 6.532 ± 0.190 $\chi^2/\text{NDF}: 1018.2/22$

+ sign 10.579 ± 0.173 $\chi^2/\text{NDF}: 5187.8/43$

All: 10.534 ± 0.121 $\chi^2/\text{NDF}: 11152.7/90$

- sign 10.491 ± 0.169 $\chi^2/\text{NDF}: 5964.8/46$

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.763 ± 0.254 χ^2/NDF : 544.7/18

Left Out: 8.565 ± 0.168 χ^2/NDF : 248.1/24

Right Out: 3.615 ± 0.253 χ^2/NDF : 574.0/23

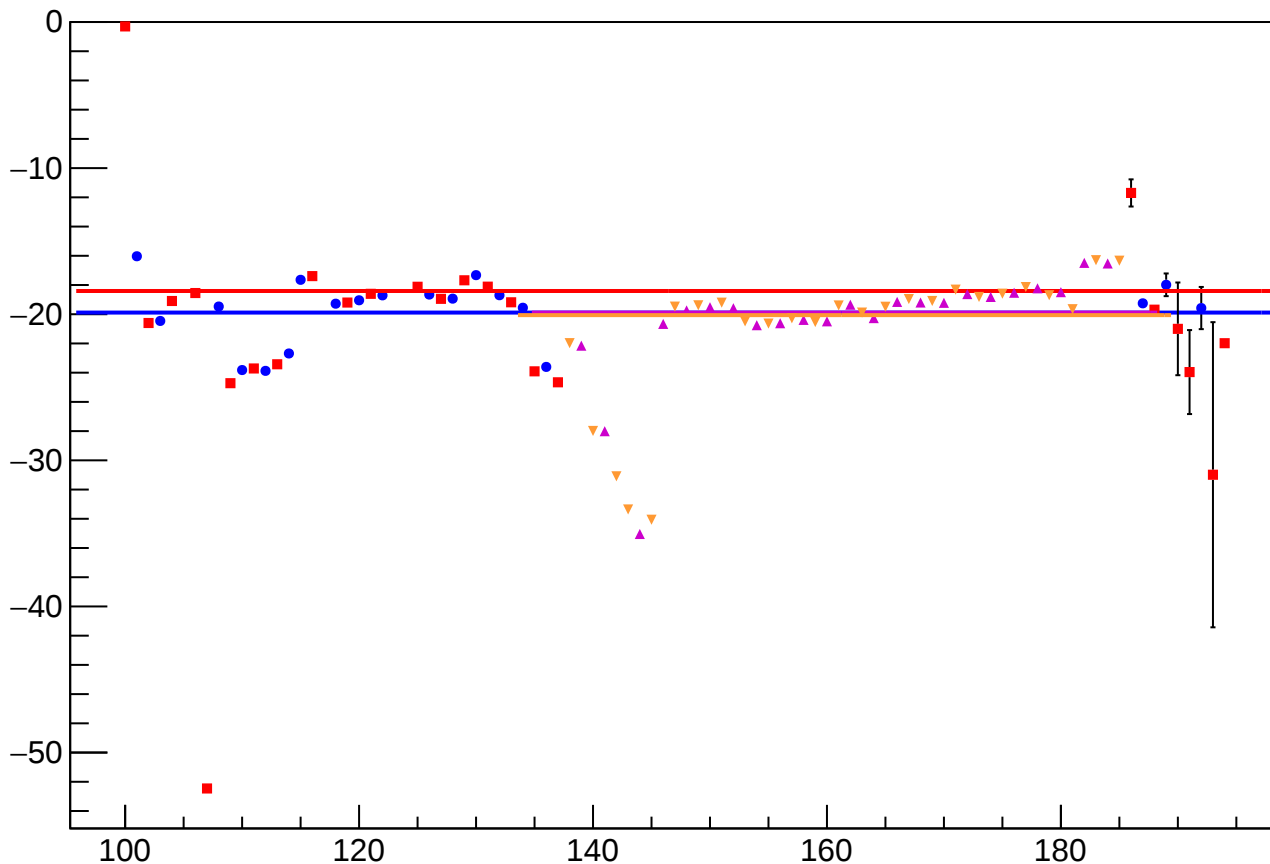
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.403 ± 0.140 χ^2/NDF : 948.5/43

All: 7.223 ± 0.100 χ^2/NDF : 2233.0/90

- sign 7.040 ± 0.141 χ^2/NDF : 1281.2/46

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.886 ± 0.016 χ^2/NDF : 26021.5/18

Left Out: -20.061 ± 0.008 χ^2/NDF : 185580.2/24

Right Out: -18.409 ± 0.015 χ^2/NDF : 301464.5/23

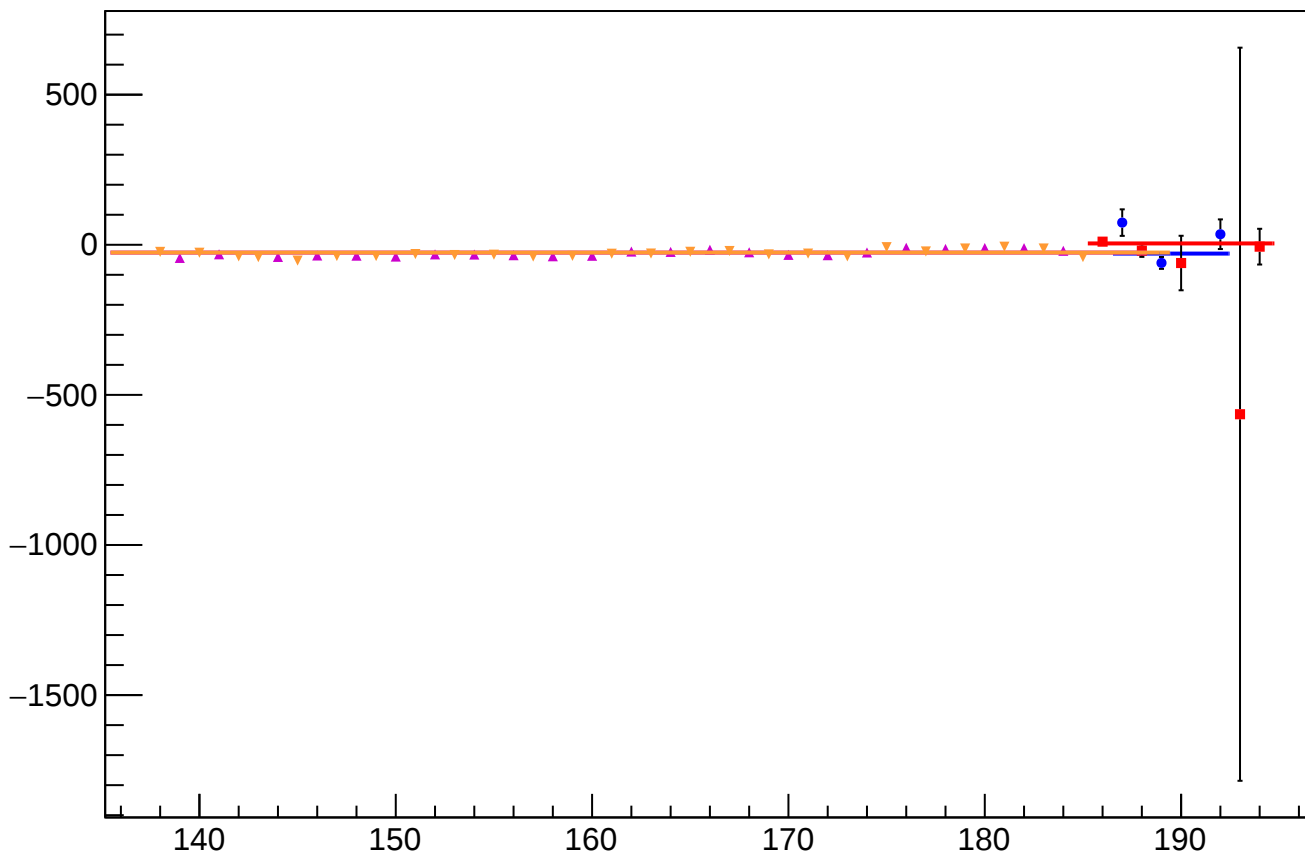
Left In: -19.890 ± 0.008 χ^2/NDF : 144055.2/22

+ sign -20.026 ± 0.007 χ^2/NDF : 211701.8/43

All: -19.789 ± 0.005 χ^2/NDF : 667396.4/90

- sign -19.561 ± 0.007 χ^2/NDF : 453466.4/46

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -29.329 ± 16.964 χ^2/NDF : 9.6/2

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 4.484 ± 8.479 χ^2/NDF : 2.5/4

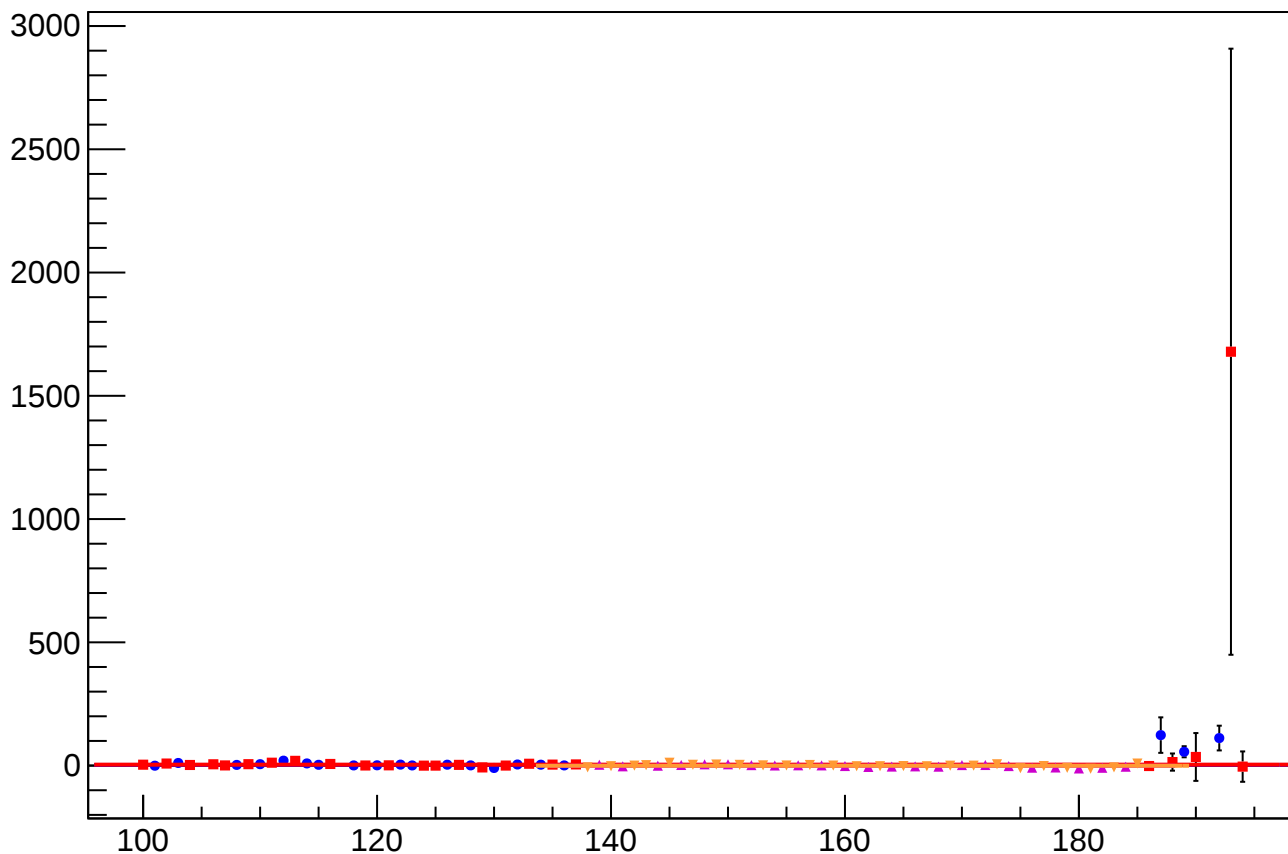
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.885 ± 0.192 χ^2/NDF : 4167.6/27

All: -25.959 ± 0.137 χ^2/NDF : 7462.9/55

- sign -26.036 ± 0.195 χ^2/NDF : 3294.9/27

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.471 ± 0.315 χ^2/NDF : 307.6/19

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.710 ± 0.327 χ^2/NDF : 271.4/23

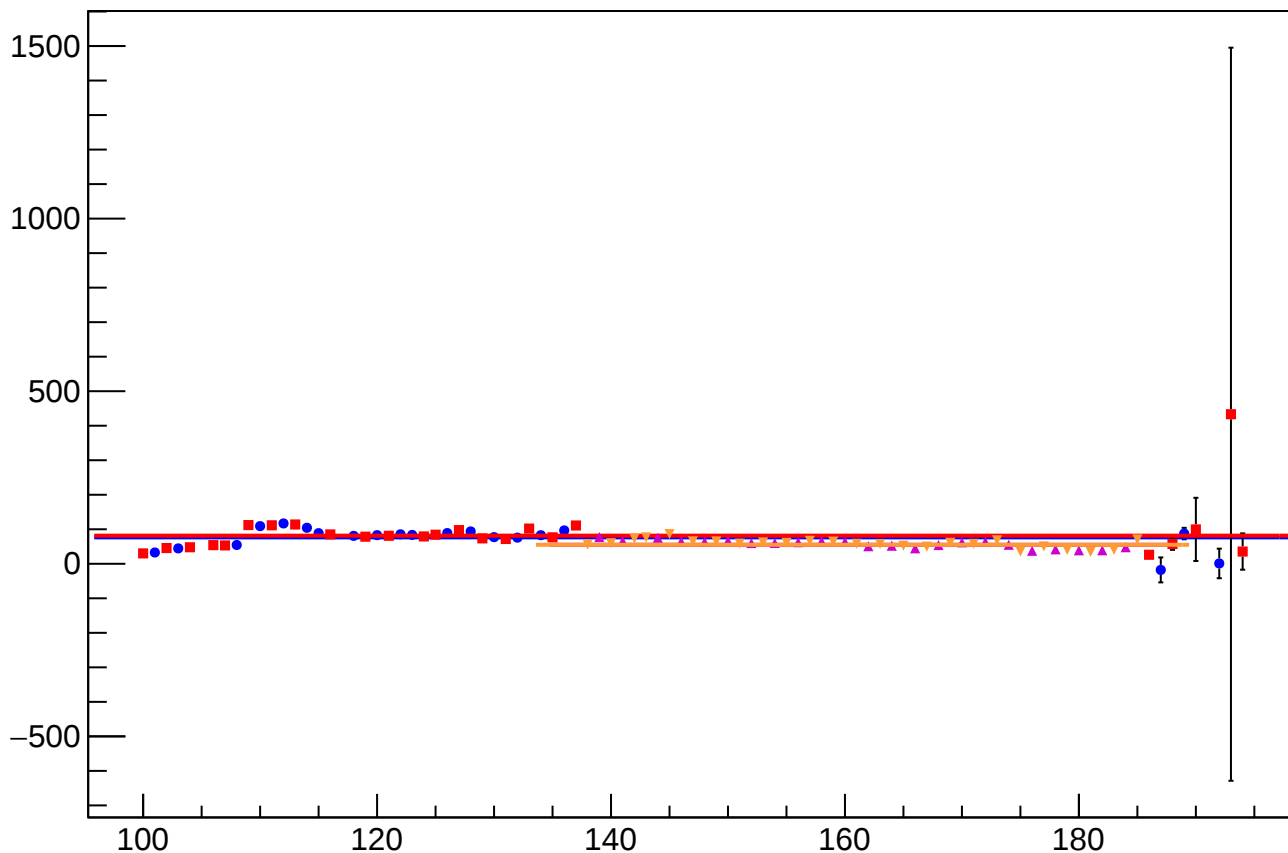
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.100 ± 0.133 χ^2/NDF : 1709.5/44

All: -0.082 ± 0.095 χ^2/NDF : 3209.2/91

- sign -0.063 ± 0.137 χ^2/NDF : 1499.7/46

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.530 $\pm$ 0.576 χ^2 /NDF: 2263.1/19

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.512 $\pm$ 0.591 χ^2 /NDF: 1627.5/23

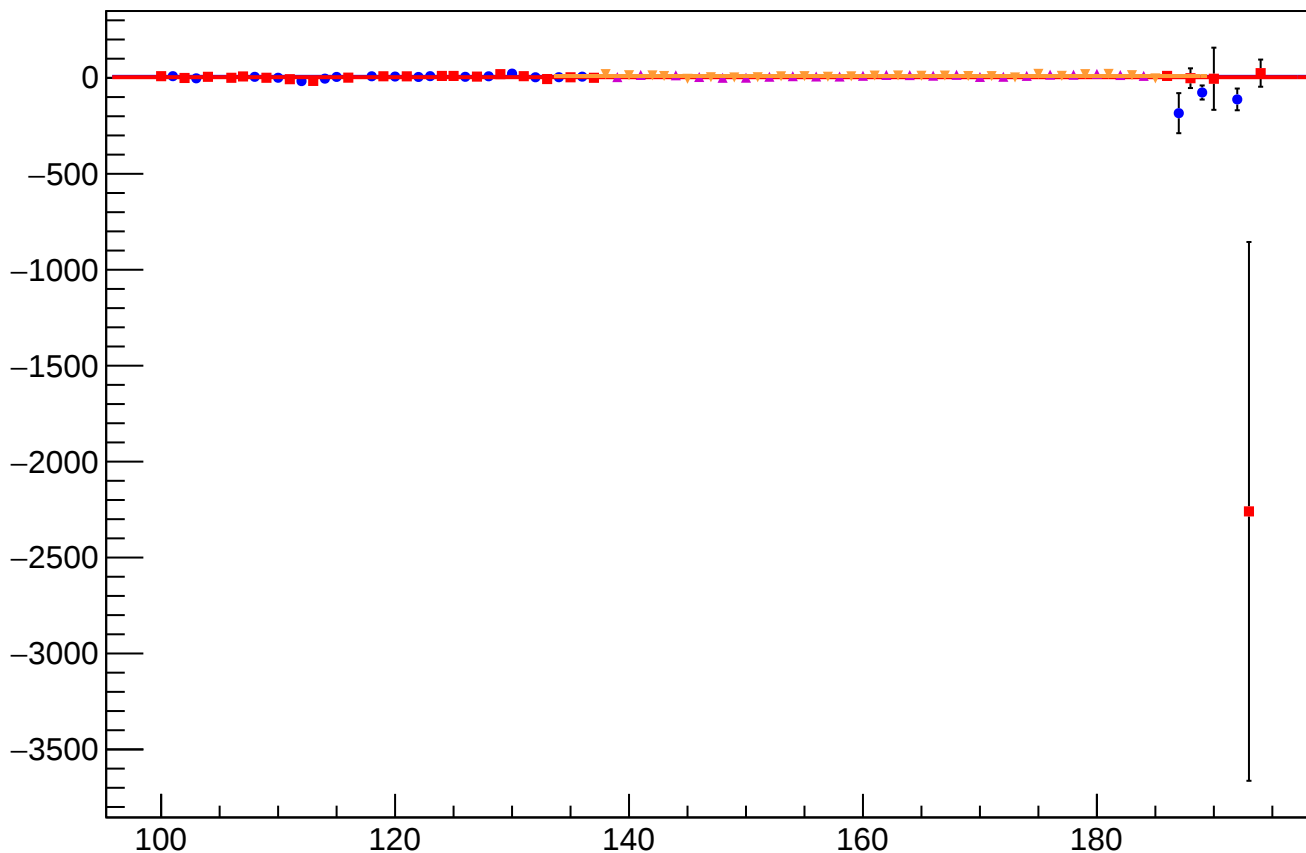
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.228 $\pm$ 0.182 χ^2 /NDF: 8087.5/44

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15230.1/91

- sign 57.632 $\pm$ 0.184 χ^2 /NDF: 7140.2/46

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.413 ± 0.361 $\chi^2/\text{NDF}: 398.2/19$

Left Out: 9.737 ± 0.168 $\chi^2/\text{NDF}: 1450.2/24$

Right Out: 3.585 ± 0.375 $\chi^2/\text{NDF}: 424.5/23$

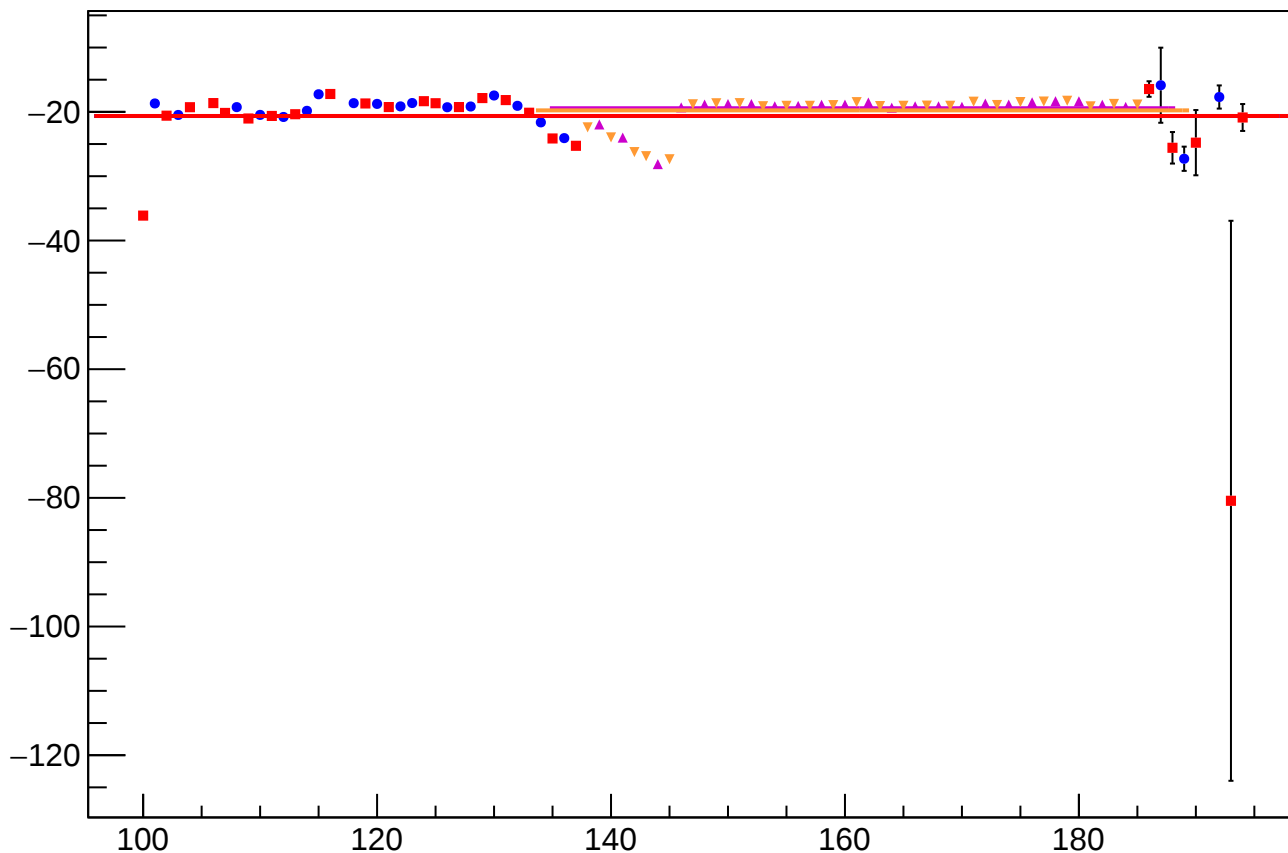
Left In: 9.803 ± 0.172 $\chi^2/\text{NDF}: 1158.7/22$

+ sign 8.969 ± 0.152 $\chi^2/\text{NDF}: 1966.5/44$

All: 8.852 ± 0.109 $\chi^2/\text{NDF}: 3777.7/91$

- sign 8.728 ± 0.156 $\chi^2/\text{NDF}: 1810.1/46$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12440.0/19$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.639 ± 0.019 $\chi^2/\text{NDF}: 13804.6/23$

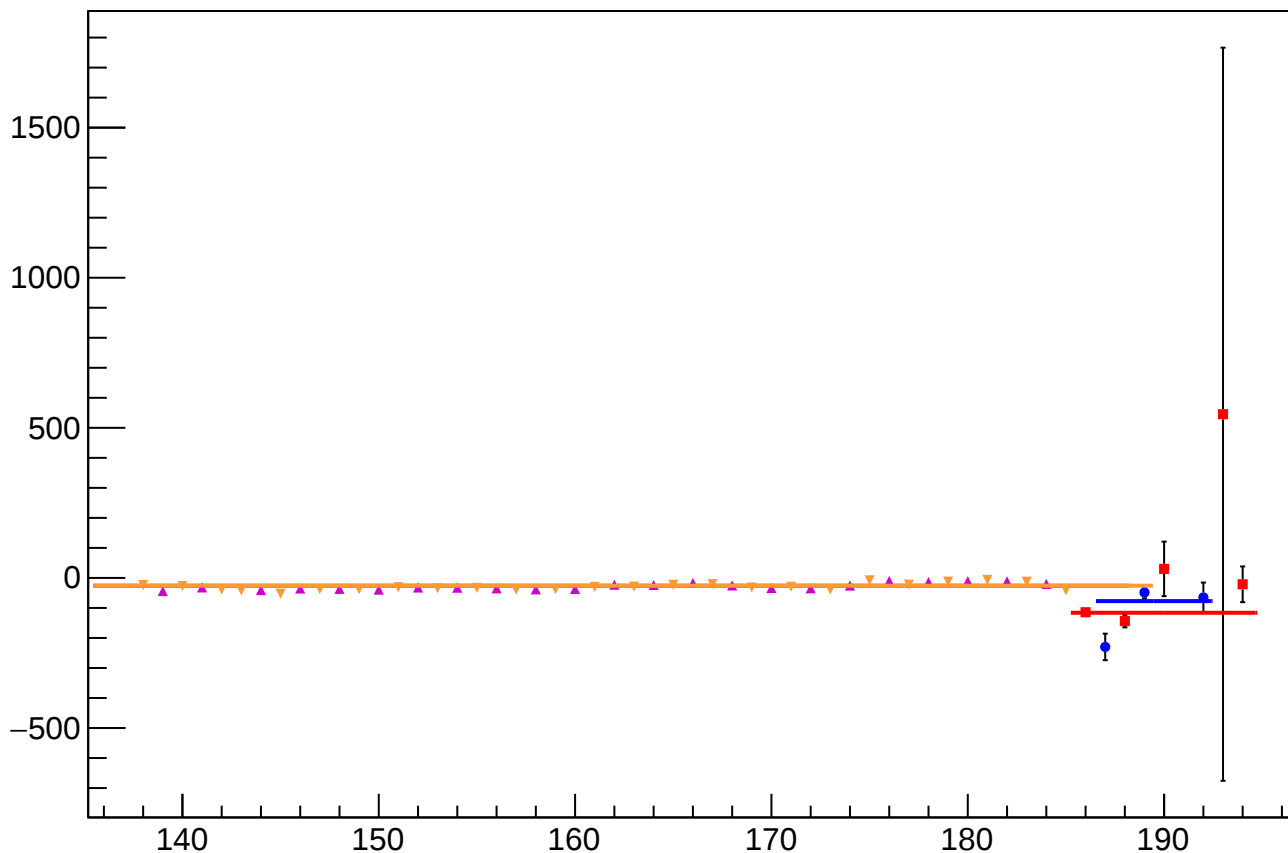
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105820.0/44$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176824.8/91$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70252.5/46$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -77.223 ± 16.979 χ^2/NDF : 14.1/2

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -116.041 ± 8.485 χ^2/NDF : 7.2/4

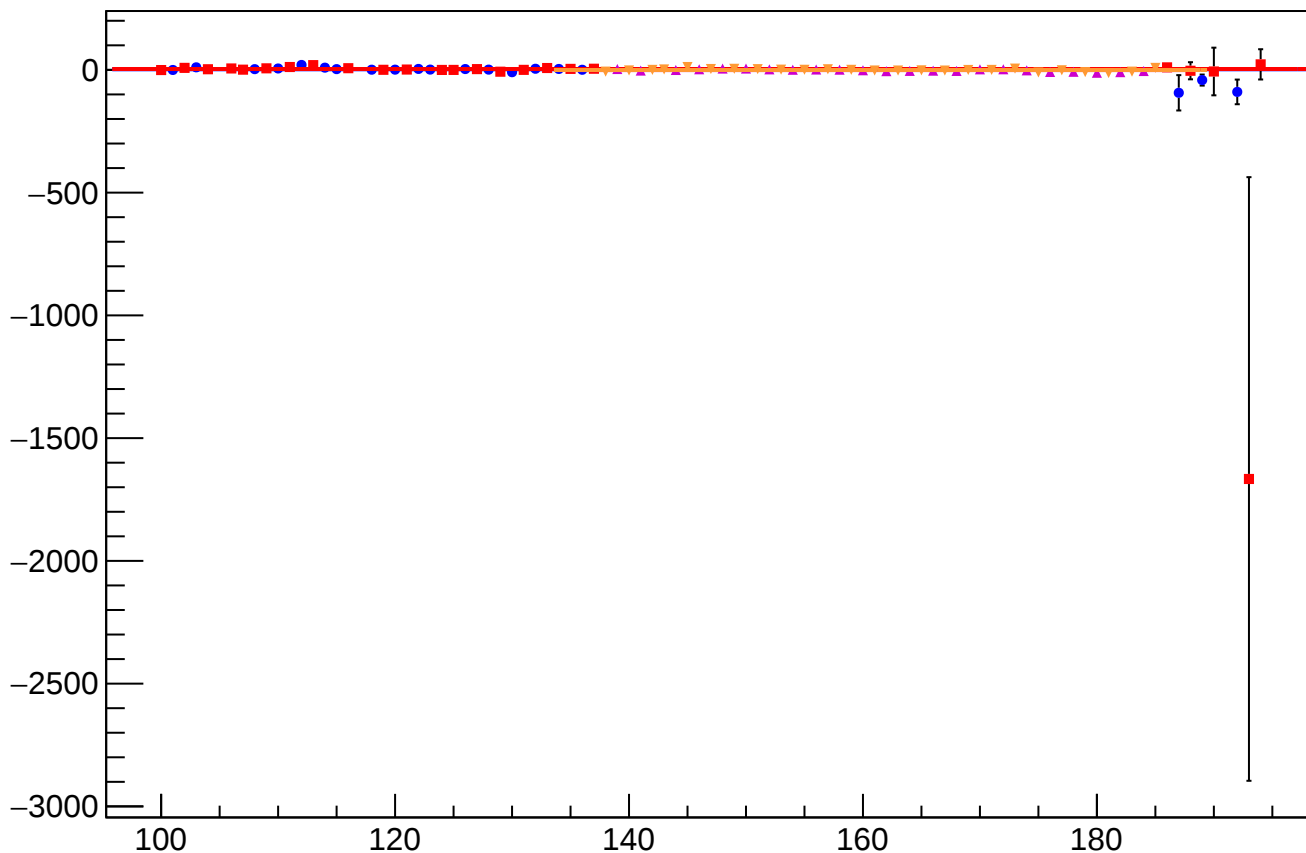
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.906 ± 0.192 χ^2/NDF : 4150.8/27

All: -25.998 ± 0.137 χ^2/NDF : 7517.7/55

- sign -26.094 ± 0.195 χ^2/NDF : 3366.4/27

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.441 ± 0.315 χ^2/NDF : 301.3/19

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.596 ± 0.318 χ^2/NDF : 282.4/23

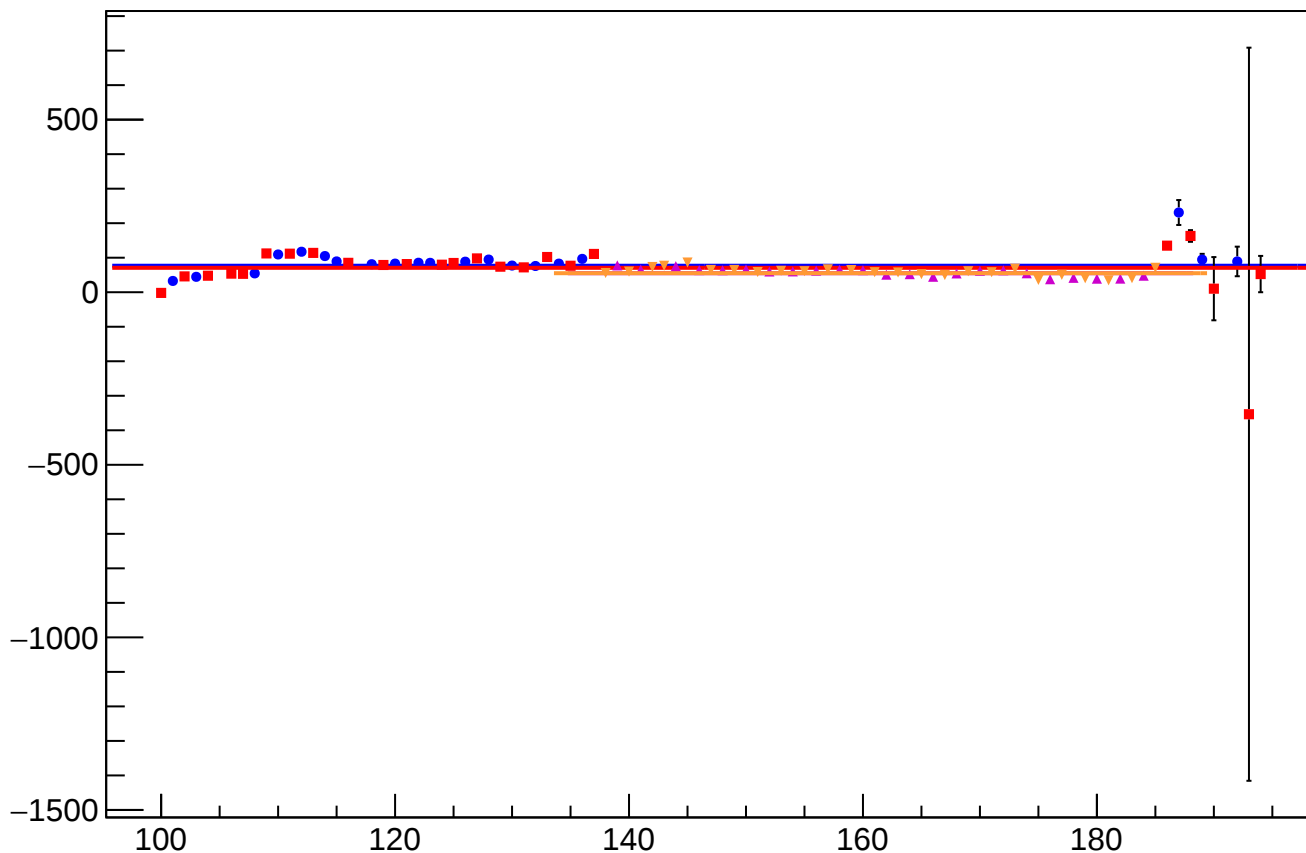
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1688.5/44

All: -0.025 ± 0.095 χ^2/NDF : 3233.1/91

- sign 0.009 ± 0.136 χ^2/NDF : 1544.4/46

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.738 $\pm$ 0.577 χ^2 /NDF: 2284.3/19

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.747 $\pm$ 0.549 χ^2 /NDF: 4489.9/23

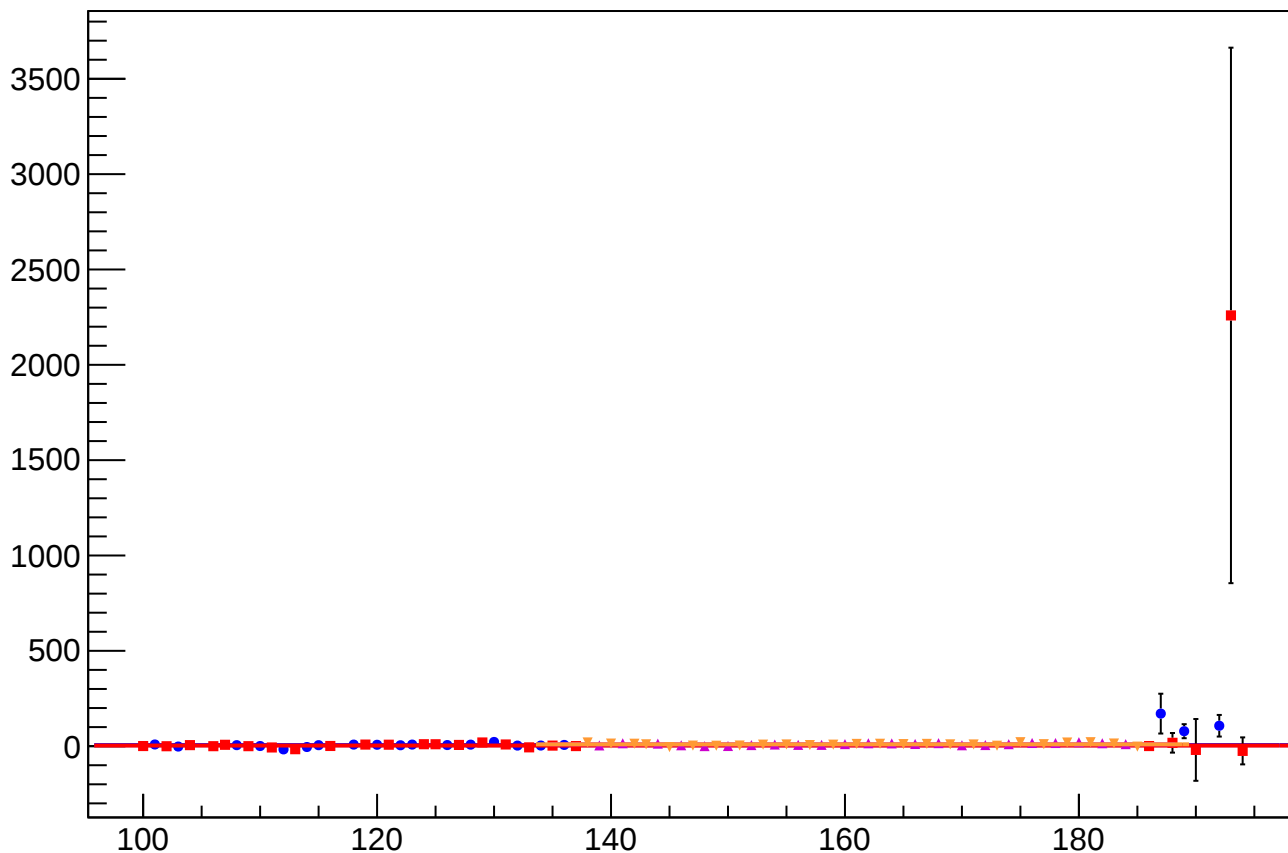
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.260 $\pm$ 0.182 χ^2 /NDF: 8110.8/44

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 16991.7/91

- sign 56.827 $\pm$ 0.183 χ^2 /NDF: 8878.1/46

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.441 ± 0.361 χ^2/NDF : 393.9/19

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.279 ± 0.366 χ^2/NDF : 427.9/23

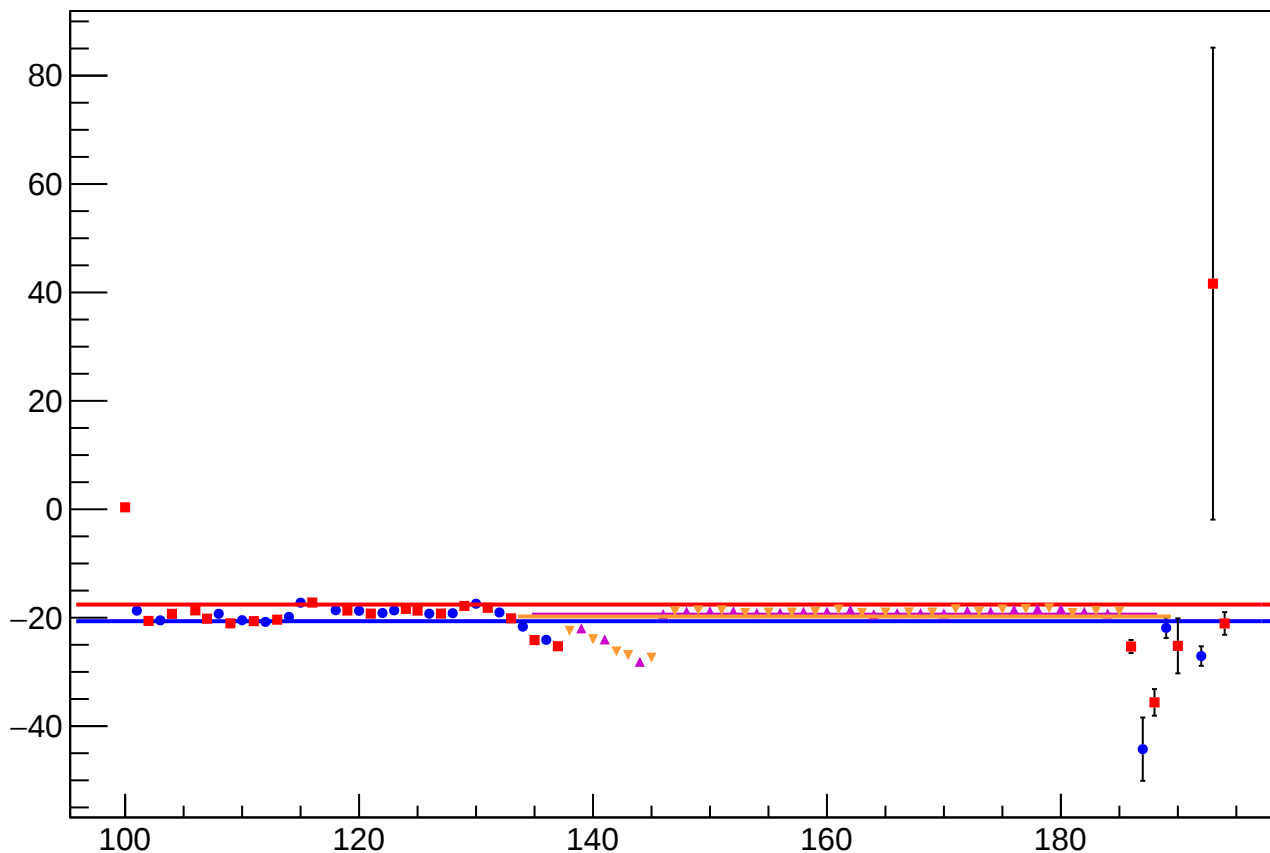
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1948.3/44

All: 8.750 ± 0.109 χ^2/NDF : 3825.8/91

- sign 8.569 ± 0.155 χ^2/NDF : 1874.8/46

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.646 ± 0.019 χ^2/NDF : 12492.2/19

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.574 ± 0.018 χ^2/NDF : 178420.3/23

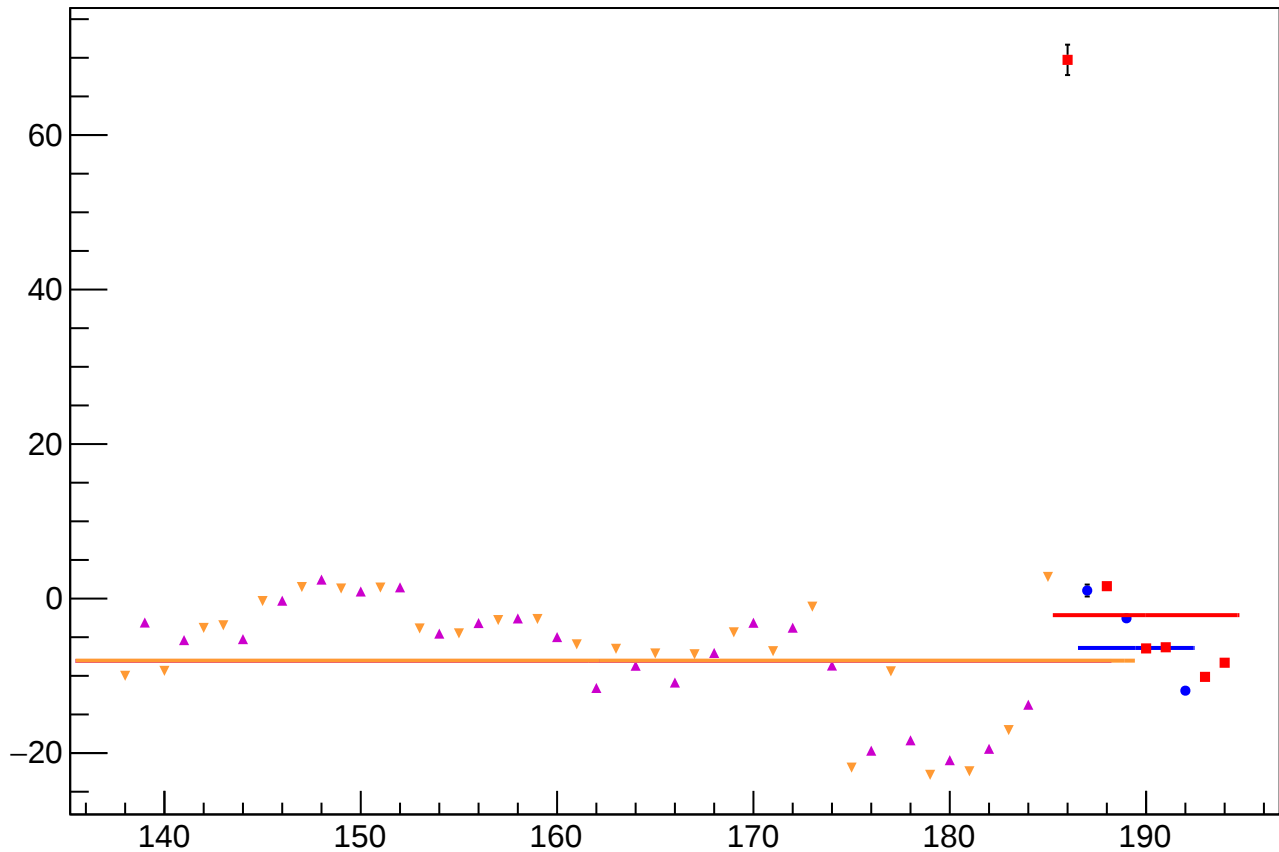
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105739.3/44

All: -19.518 ± 0.005 χ^2/NDF : 351692.6/91

- sign -19.140 ± 0.007 χ^2/NDF : 240541.6/46

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -6.391 ± 0.261 χ^2/NDF : 390.5/2

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -2.145 ± 0.139 χ^2/NDF : 2539.3/5

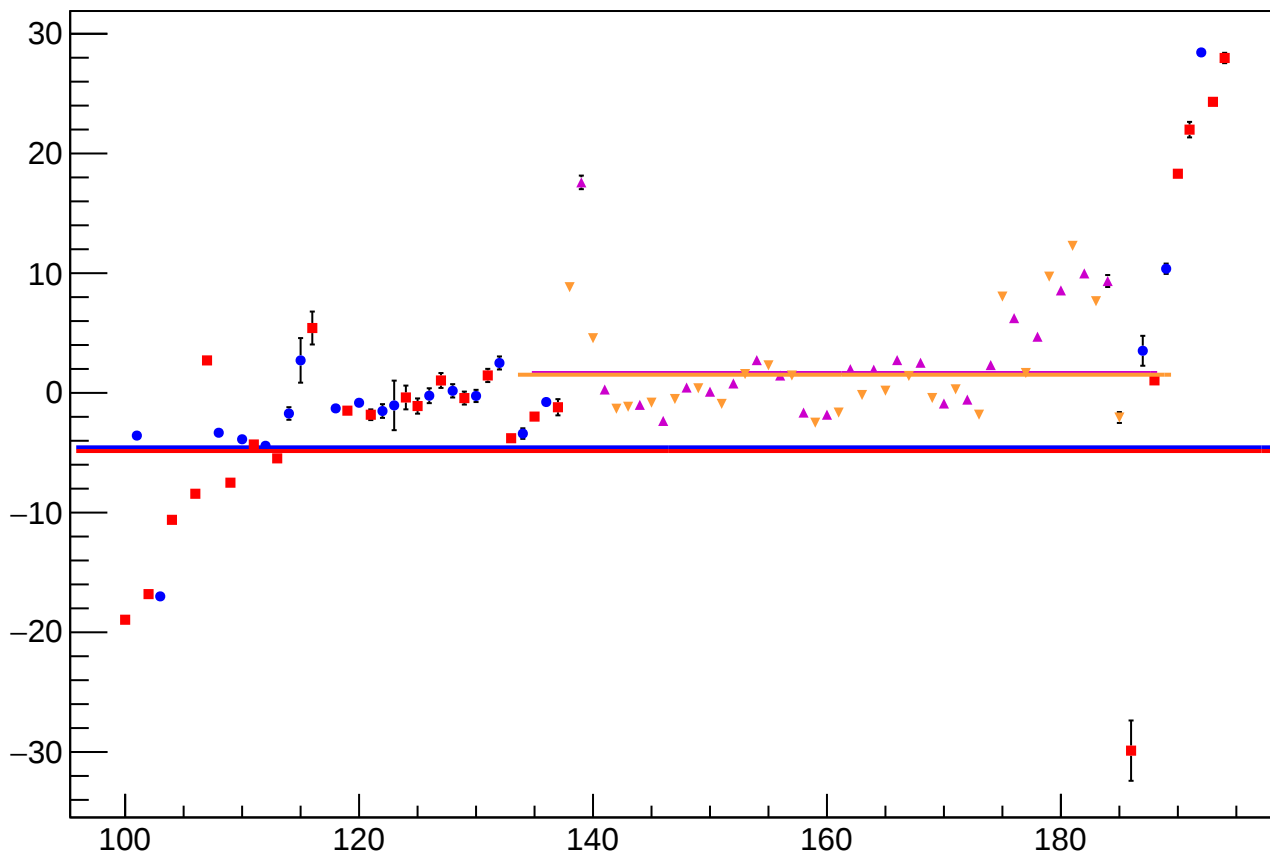
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -7.923 ± 0.068 χ^2/NDF : 12995.6/27

All: -7.344 ± 0.047 χ^2/NDF : 27643.1/56

- sign -6.832 ± 0.064 χ^2/NDF : 14510.5/28

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -4.549 ± 0.054 $\chi^2/\text{NDF}: 17615.9/19$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -4.858 ± 0.056 $\chi^2/\text{NDF}: 30307.5/24$

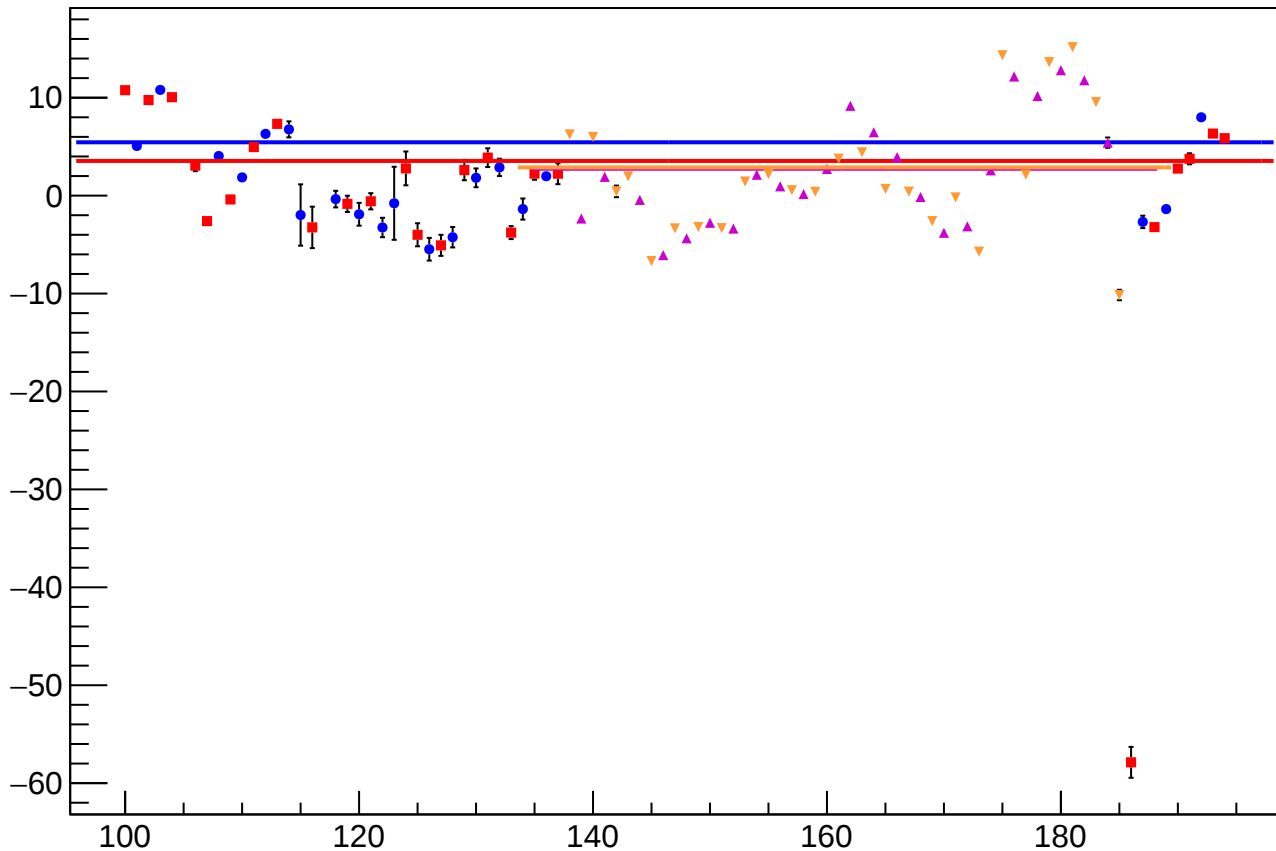
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign -1.542 ± 0.038 $\chi^2/\text{NDF}: 28746.2/44$

All: -1.587 ± 0.028 $\chi^2/\text{NDF}: 69808.7/92$

- sign -1.635 ± 0.040 $\chi^2/\text{NDF}: 41059.6/47$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.447 ± 0.084 χ^2/NDF : 2028.3/19

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.542 ± 0.074 χ^2/NDF : 7025.5/24

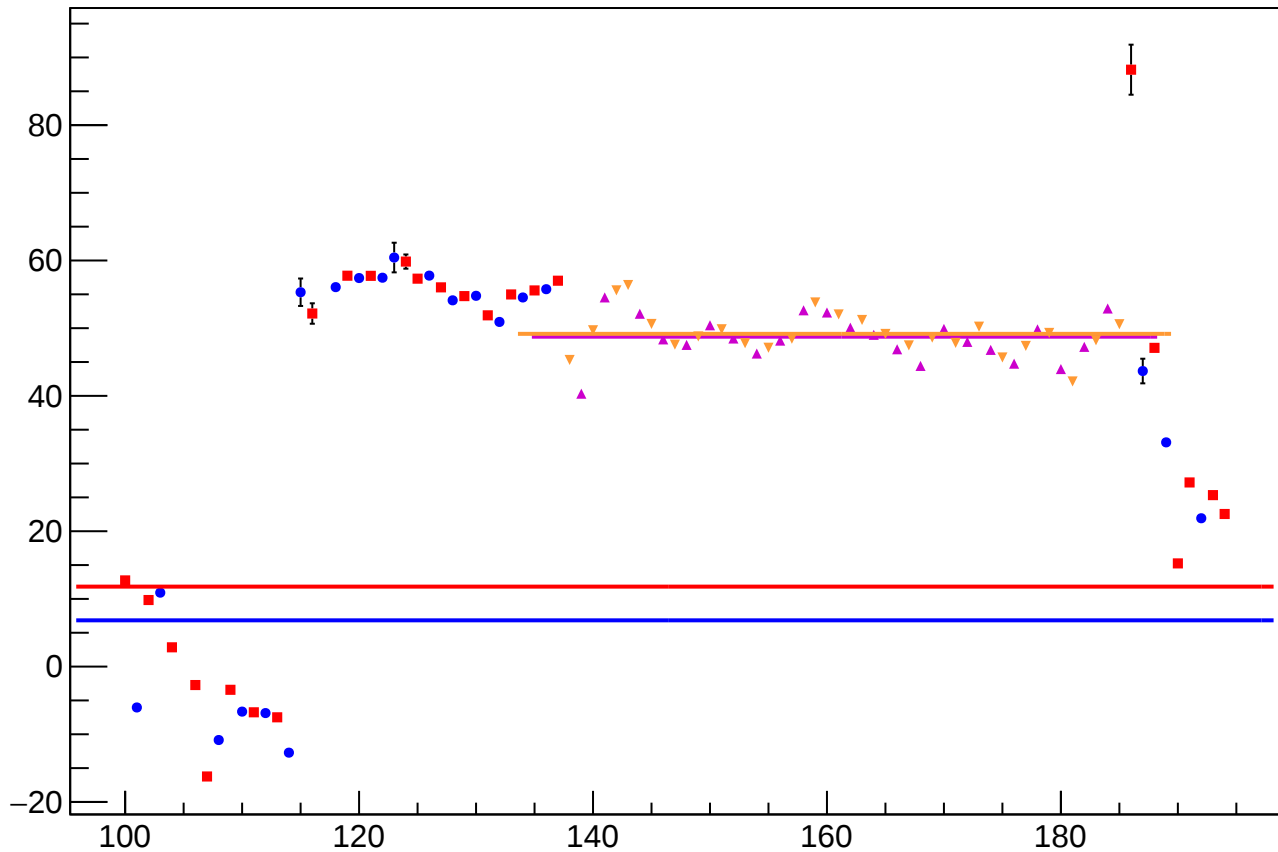
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.945 ± 0.054 χ^2/NDF : 11472.2/44

All: 3.519 ± 0.037 χ^2/NDF : 25861.0/92

- sign 3.132 ± 0.051 χ^2/NDF : 14269.1/47

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.834 ± 0.064 χ^2/NDF : 123829.1/19

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 11.815 ± 0.067 χ^2/NDF : 132201.4/24

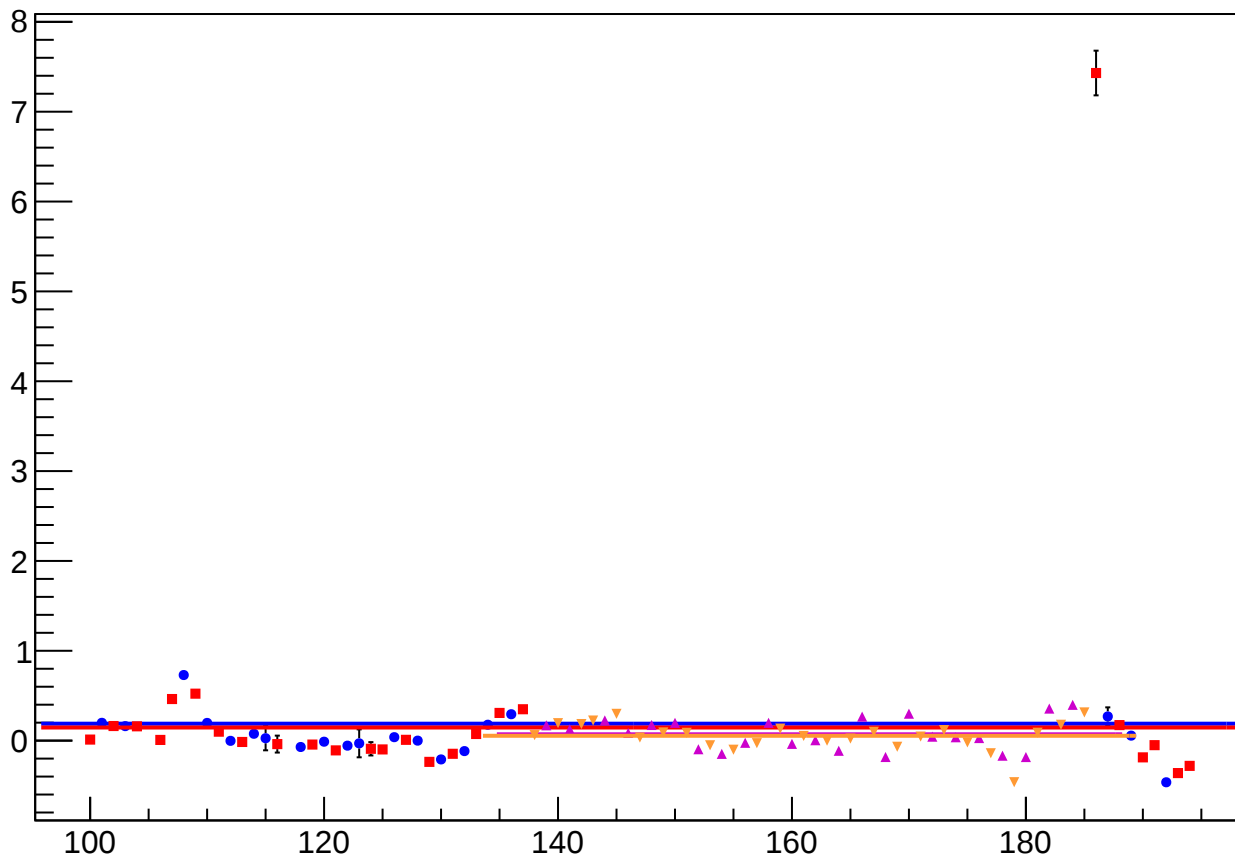
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.710 ± 0.044 χ^2/NDF : 353212.1/44

All: 29.870 ± 0.032 χ^2/NDF : 648969.4/92

- sign 31.122 ± 0.046 χ^2/NDF : 294336.2/47

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.188 ± 0.003 χ^2/NDF : 6164.5/19

Left Out: 0.054 ± 0.003 χ^2/NDF : 2379.8/24

Right Out: 0.146 ± 0.003 χ^2/NDF : 6268.0/24

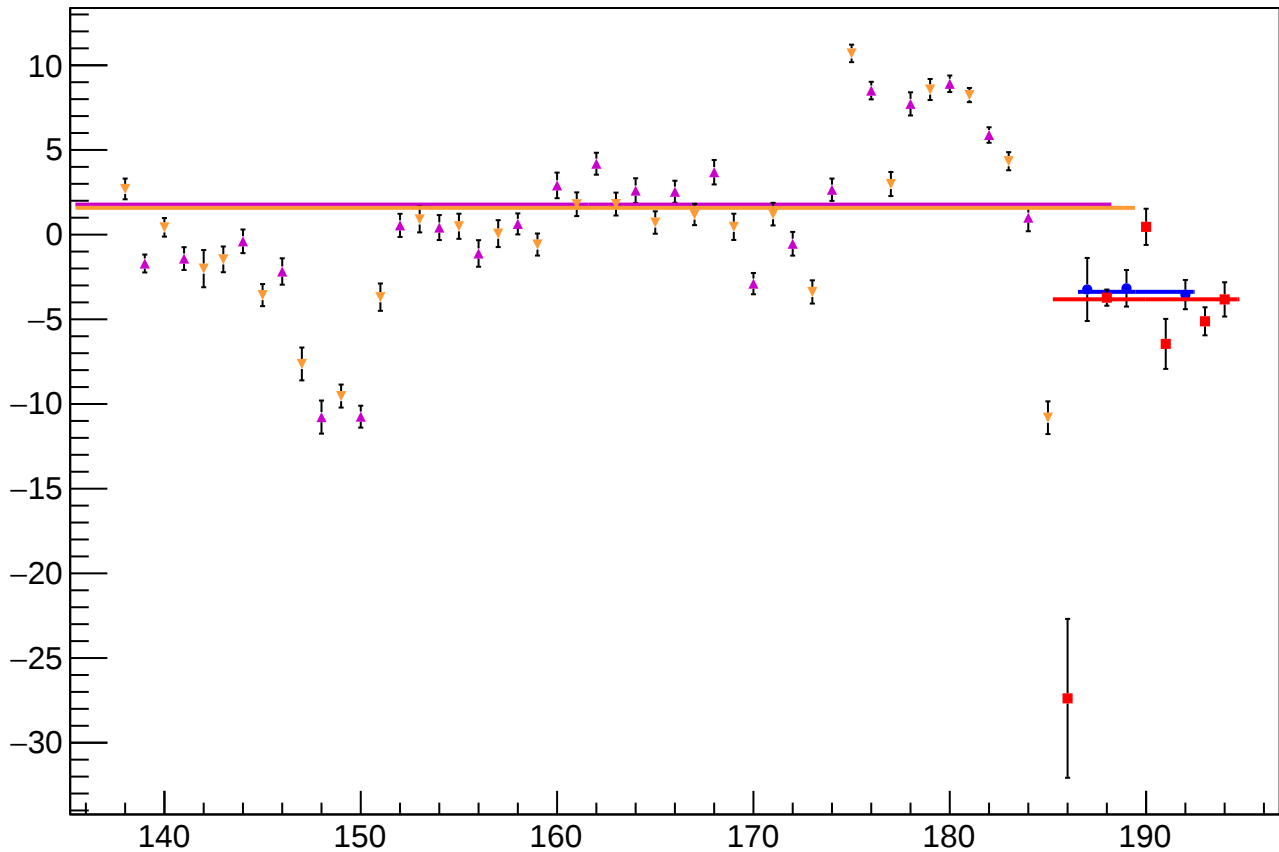
Left In: 0.070 ± 0.003 χ^2/NDF : 3233.8/22

+ sign 0.124 ± 0.002 χ^2/NDF : 9729.7/44

All: 0.118 ± 0.001 χ^2/NDF : 19641.1/92

- sign 0.113 ± 0.002 χ^2/NDF : 9893.7/47

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -3.377 ± 0.634 χ^2/NDF : 0.1/2

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.819 ± 0.349 χ^2/NDF : 46.9/5

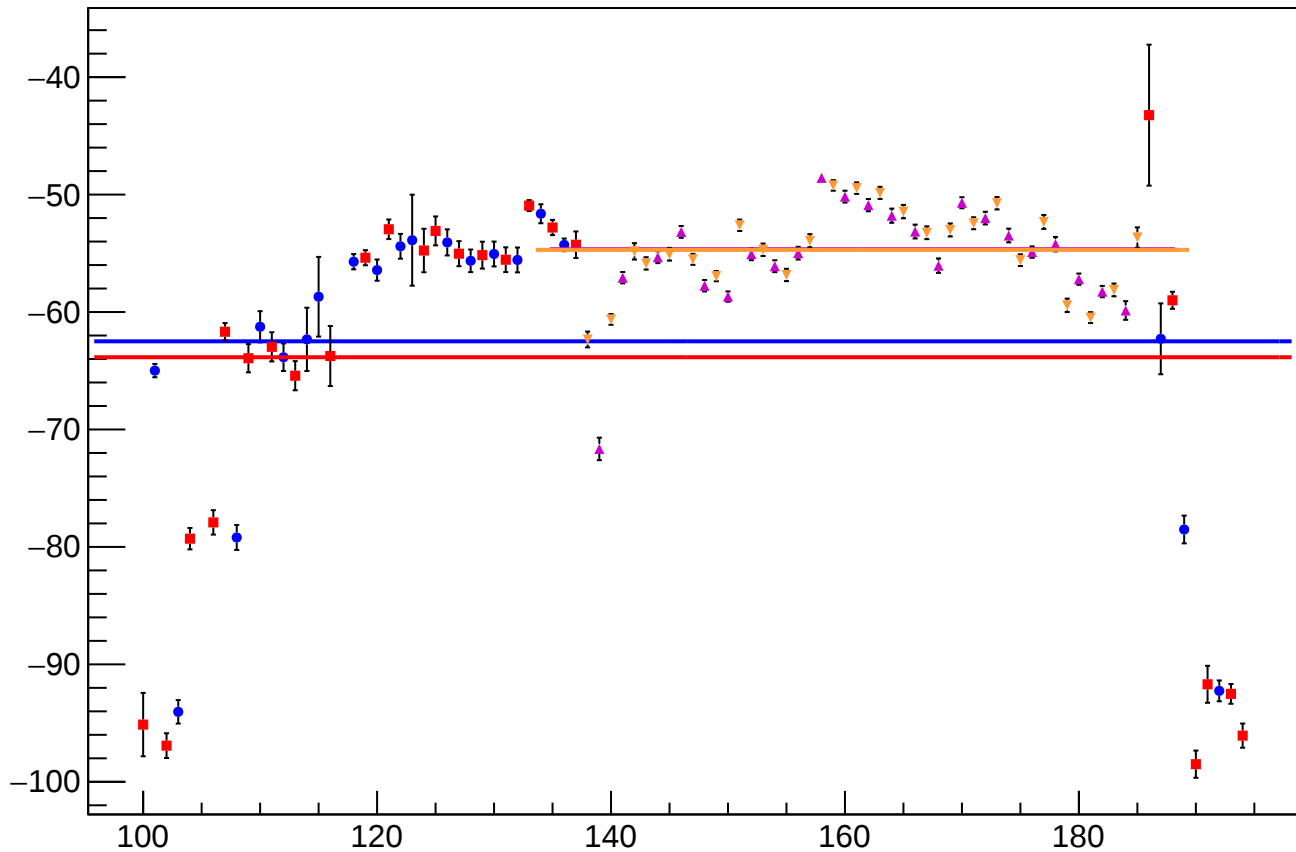
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 1.376 ± 0.130 χ^2/NDF : 1517.6/27

All: 1.205 ± 0.090 χ^2/NDF : 3088.4/56

- sign 1.044 ± 0.126 χ^2/NDF : 1567.5/28

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -62.493 ± 0.214 χ^2/NDF : 3406.9/19

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -63.849 ± 0.190 χ^2/NDF : 6758.8/24

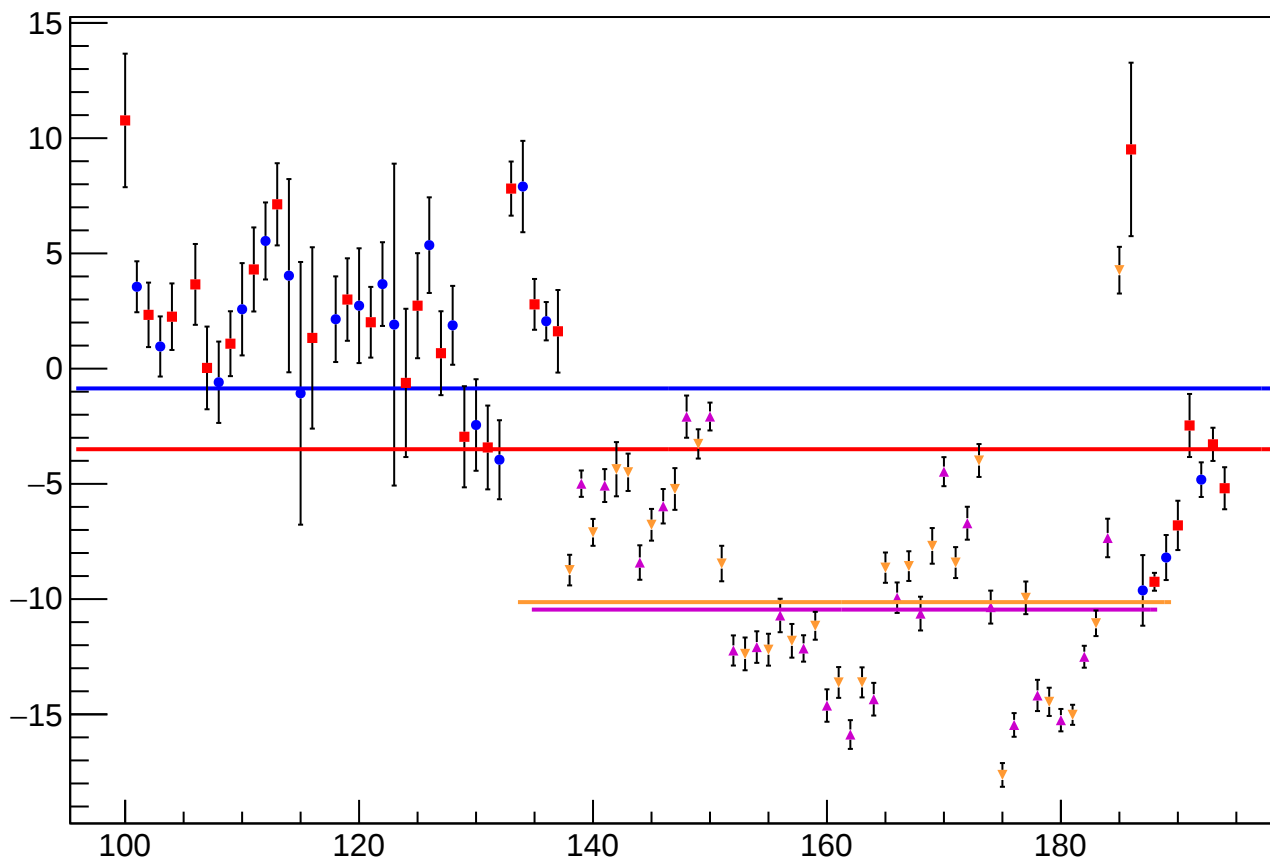
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -56.233 ± 0.095 χ^2/NDF : 5596.4/44

All: -56.590 ± 0.067 χ^2/NDF : 15216.4/92

- sign -56.950 ± 0.095 χ^2/NDF : 9591.5/47

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -0.859 ± 0.328 χ^2/NDF : 212.1/19

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -3.496 ± 0.236 χ^2/NDF : 562.9/24

Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.823 ± 0.123 χ^2/NDF : 1955.0/44

All: -8.785 ± 0.085 χ^2/NDF : 4175.3/92

- sign -8.751 ± 0.117 χ^2/NDF : 2220.1/47

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.086 ± 0.245 χ^2/NDF : 5927.1/19

Left Out: -38.006 ± 0.119 χ^2/NDF : 946.0/24

Right Out: -27.772 ± 0.223 χ^2/NDF : 9580.2/24

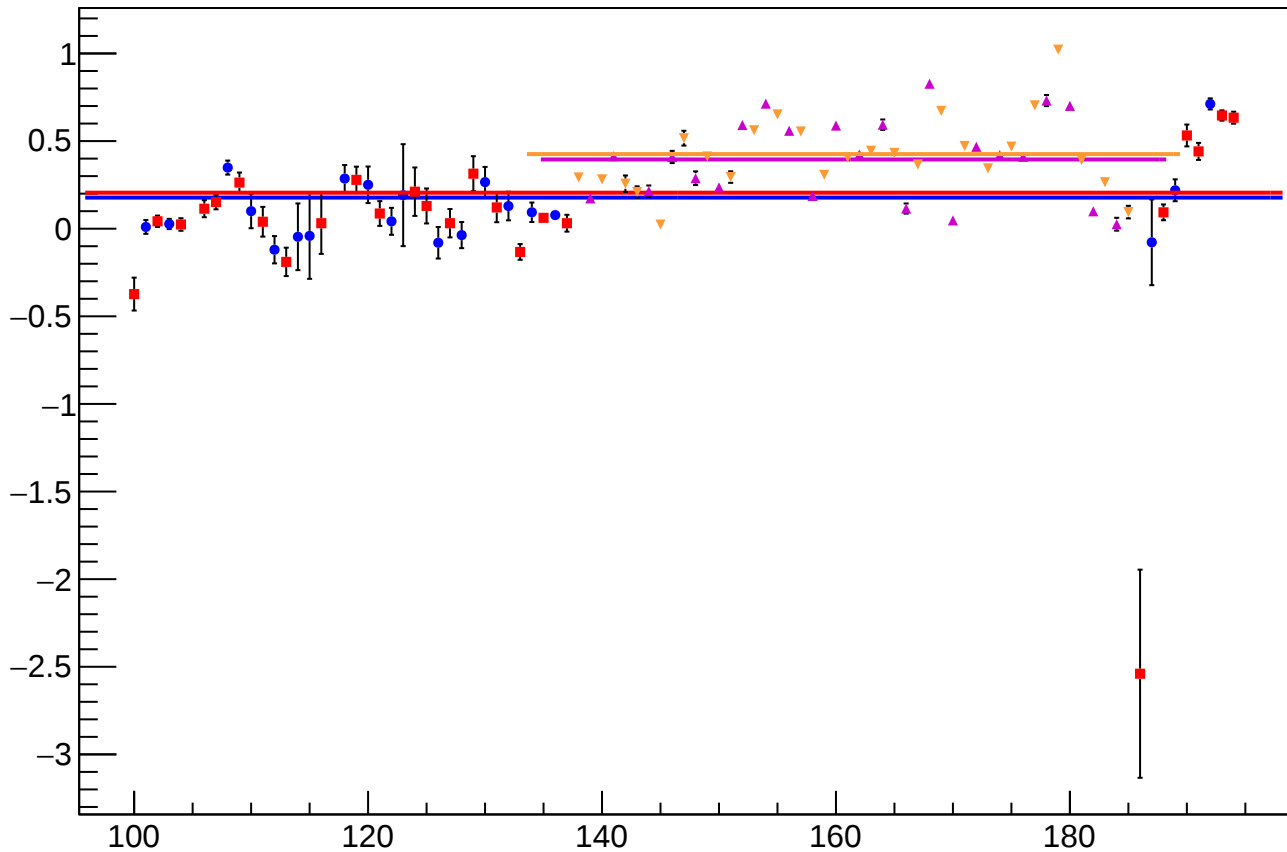
Left In: -37.809 ± 0.122 χ^2/NDF : 1039.9/22

+ sign -36.503 ± 0.107 χ^2/NDF : 7717.6/44

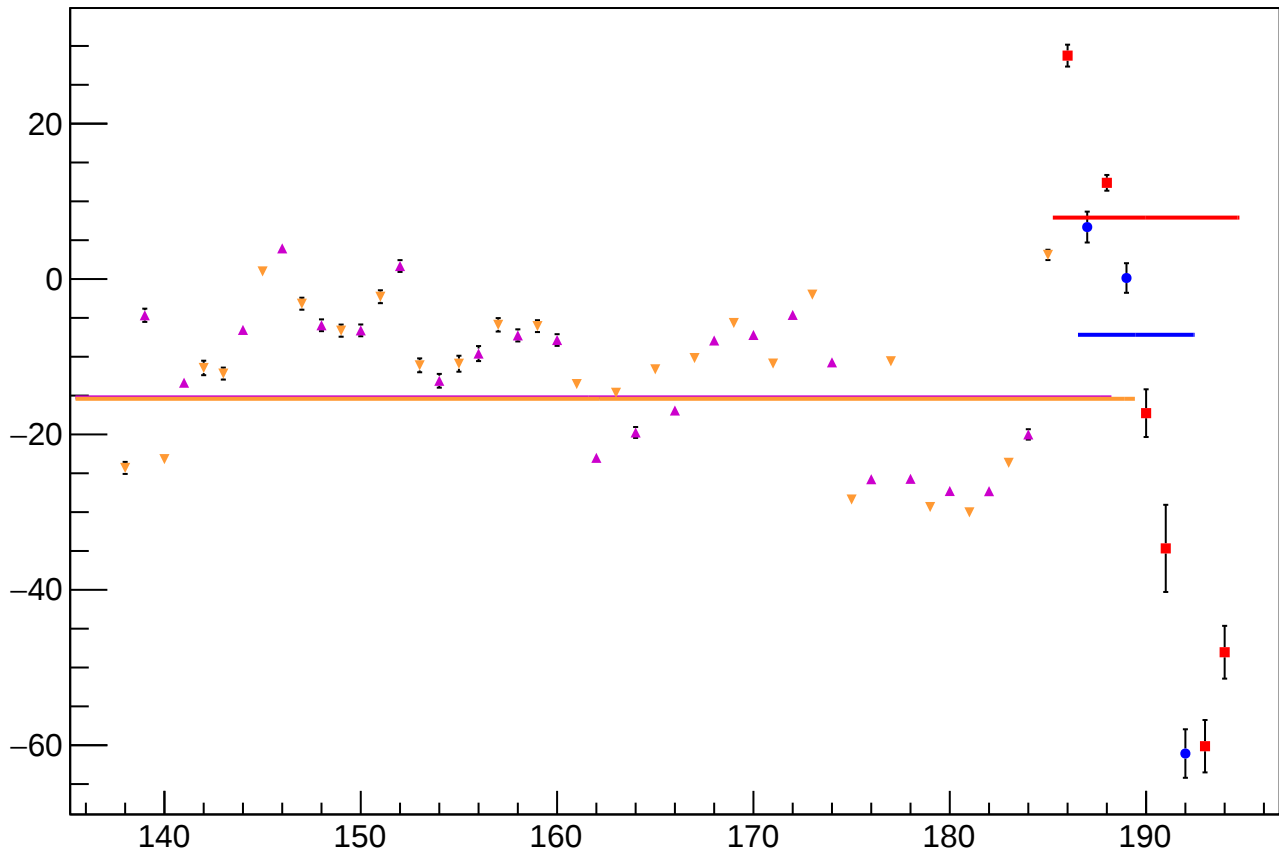
All: -35.998 ± 0.076 χ^2/NDF : 19939.0/92

- sign -35.489 ± 0.107 χ^2/NDF : 12176.7/47

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -7.176 ± 1.258 χ^2/NDF : 361.3/2

Left Out: -15.413 ± 0.105 χ^2/NDF : 10509.1/24

Right Out: 7.908 ± 0.747 χ^2/NDF : 1041.5/5

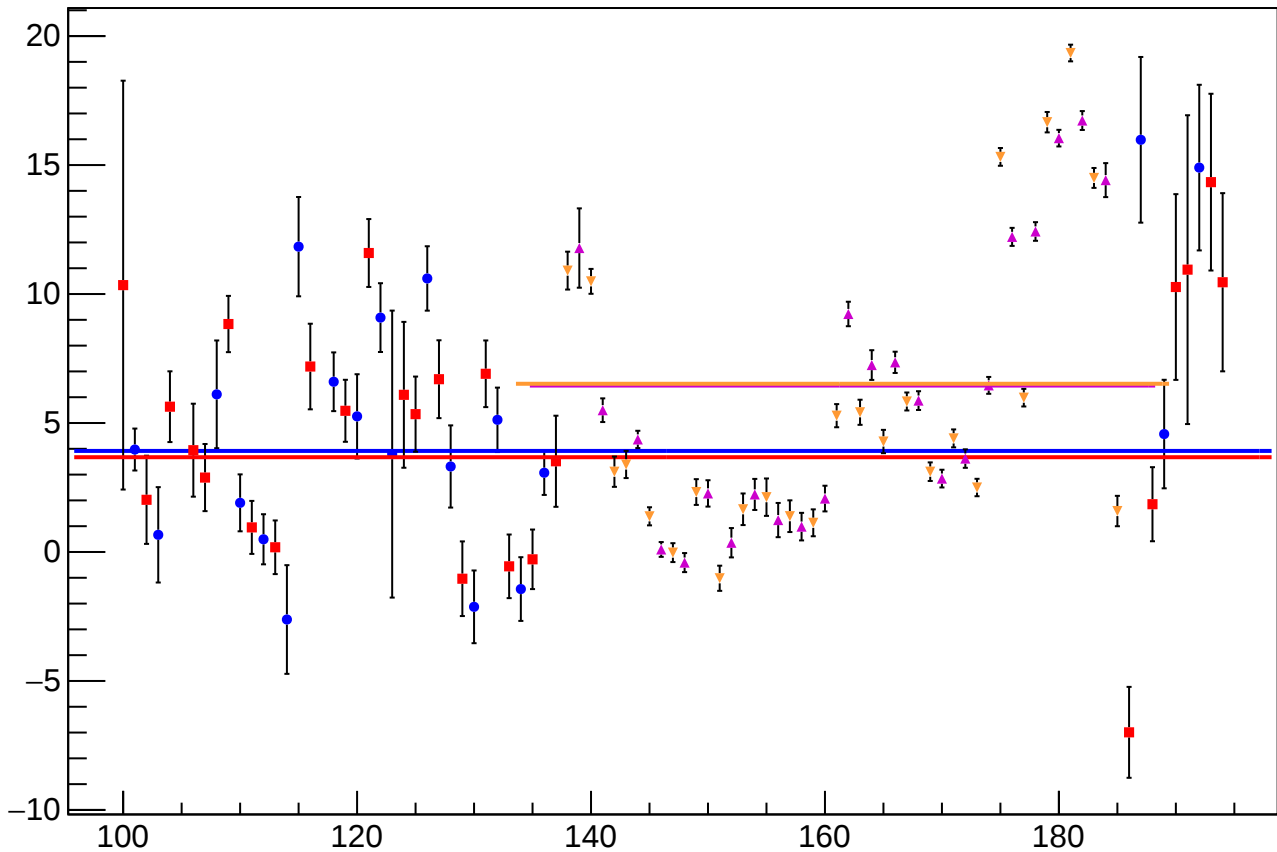
Left In: -15.229 ± 0.107 χ^2/NDF : 8657.3/22

+ sign -15.355 ± 0.105 χ^2/NDF : 10913.0/27

All: -15.063 ± 0.074 χ^2/NDF : 21566.9/56

- sign -14.767 ± 0.106 χ^2/NDF : 10638.3/28

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.918 ± 0.305 χ^2/NDF : 161.6/19

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.674 ± 0.301 χ^2/NDF : 190.7/24

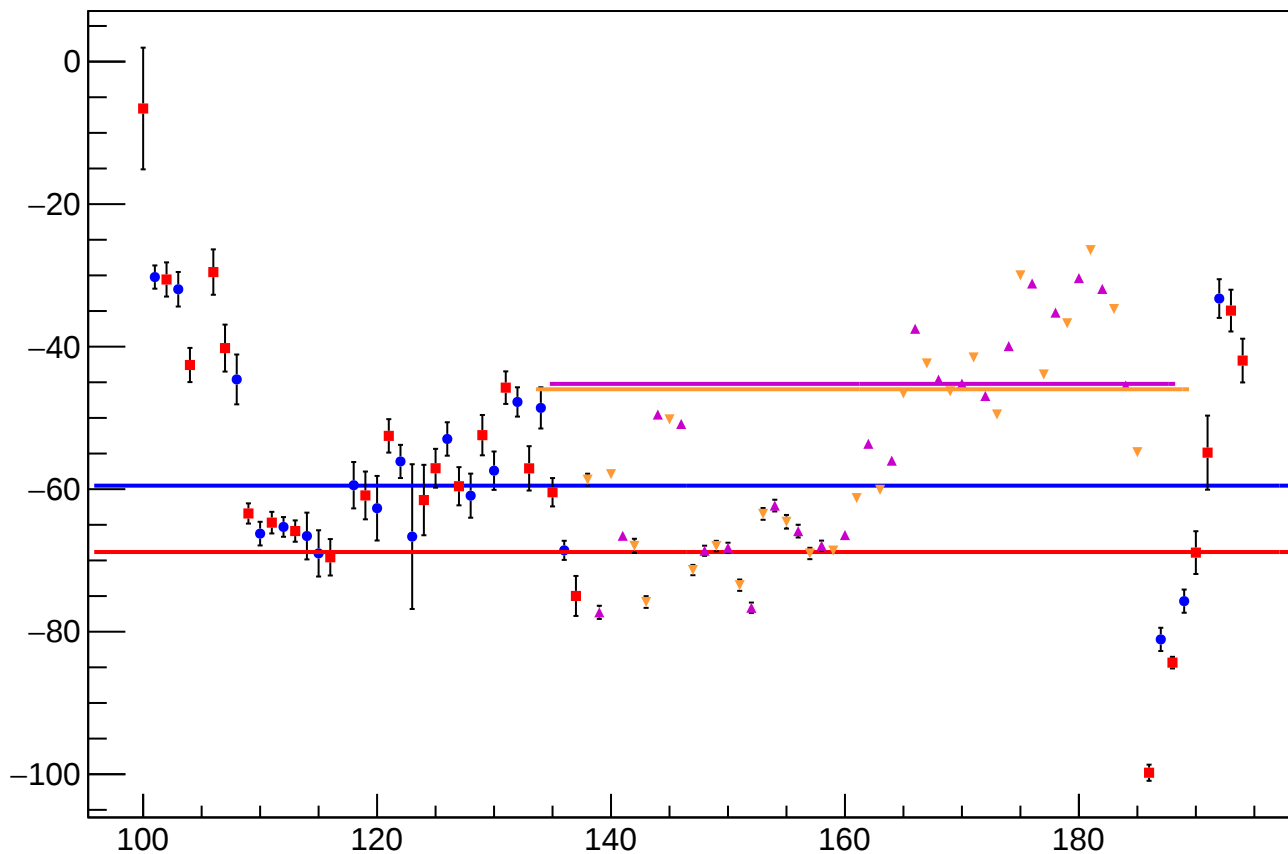
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.332 ± 0.082 χ^2/NDF : 5214.4/44

All: 6.287 ± 0.058 χ^2/NDF : 9432.6/92

- sign 6.241 ± 0.083 χ^2/NDF : 4217.6/47

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -59.505 ± 0.484 $\chi^2/\text{NDF}: 988.3/19$

Left Out: -45.982 ± 0.106 $\chi^2/\text{NDF}: 17360.1/24$

Right Out: -68.819 ± 0.404 $\chi^2/\text{NDF}: 2266.1/24$

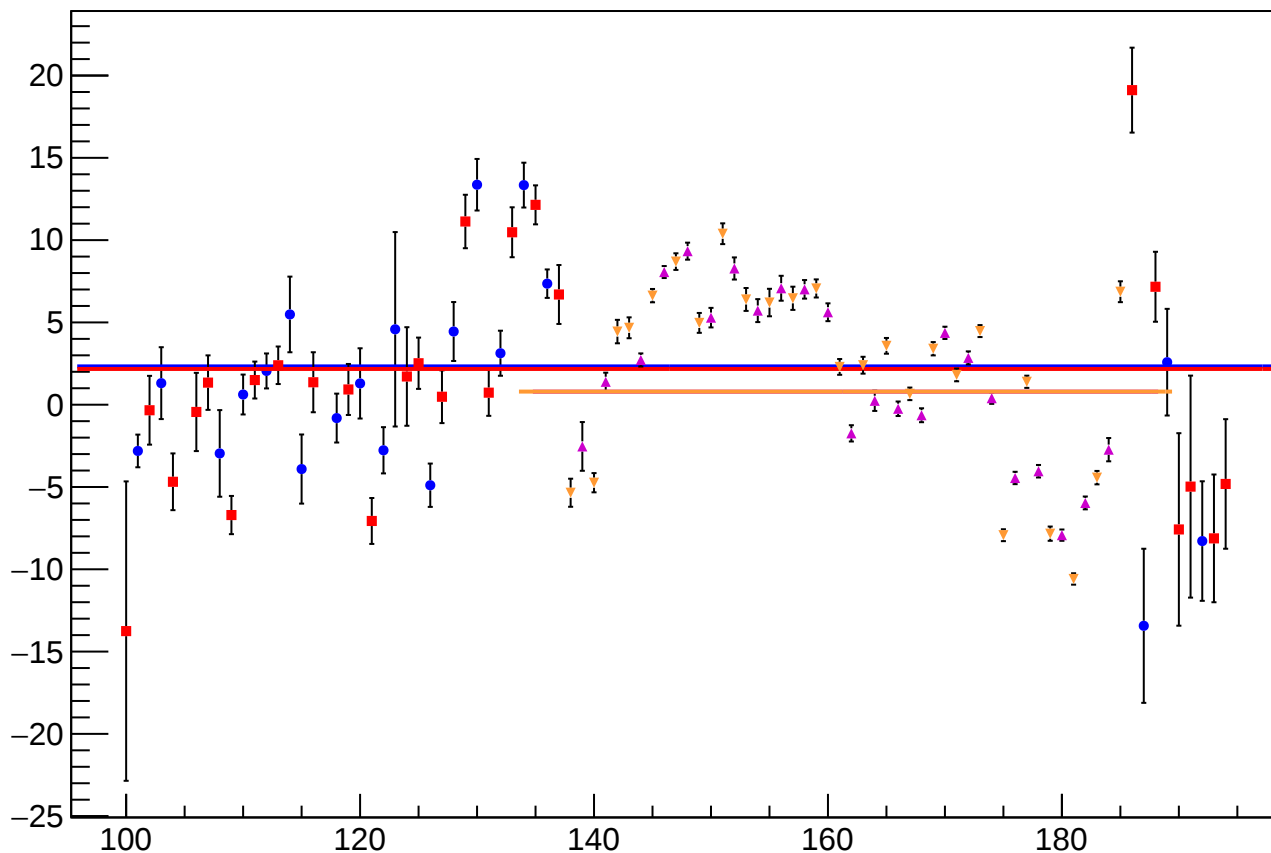
Left In: -45.222 ± 0.107 $\chi^2/\text{NDF}: 15600.2/22$

+ sign -46.603 ± 0.104 $\chi^2/\text{NDF}: 19092.4/44$

All: -46.688 ± 0.073 $\chi^2/\text{NDF}: 40143.4/92$

- sign -46.772 ± 0.104 $\chi^2/\text{NDF}: 21049.6/47$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.328 ± 0.343 χ^2/NDF : 262.4/19

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 2.173 ± 0.344 χ^2/NDF : 327.8/24

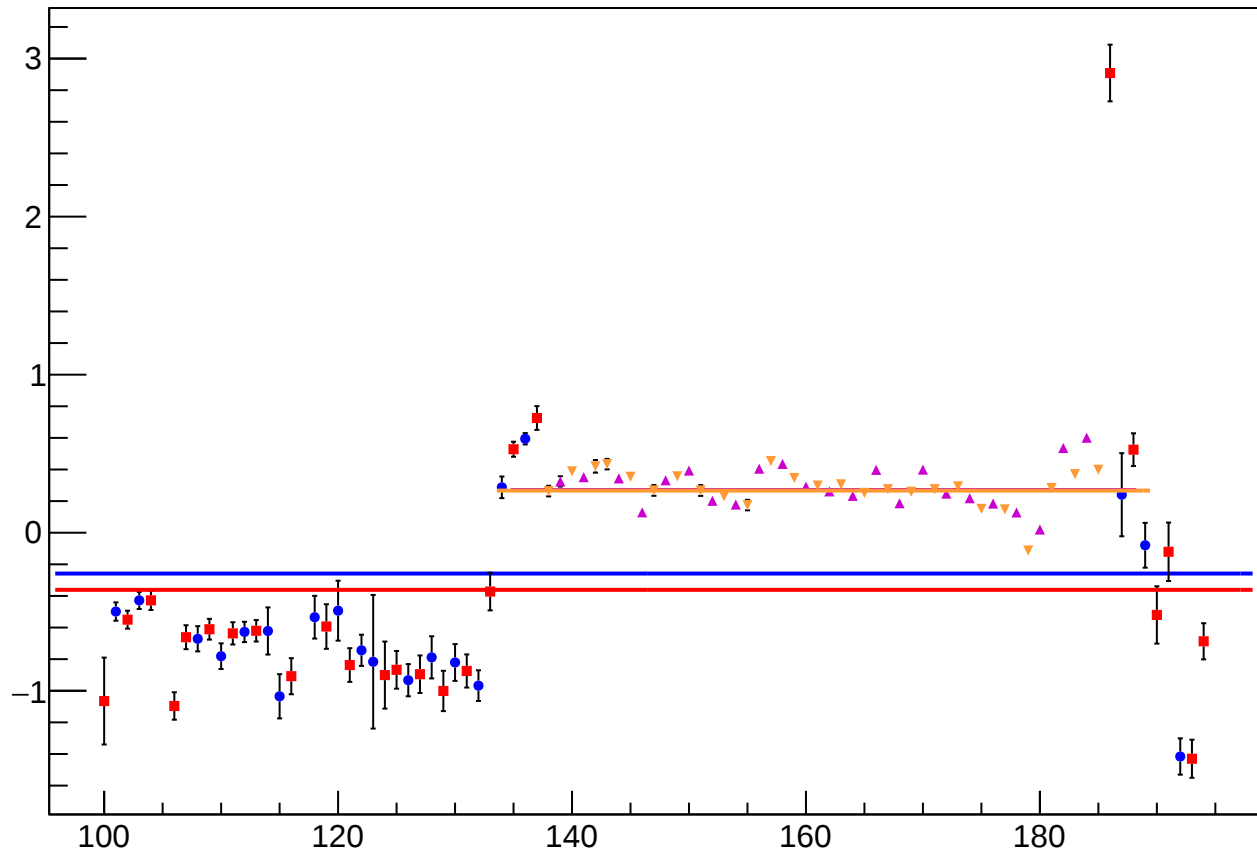
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.907 ± 0.092 χ^2/NDF : 4040.8/44

All: 0.900 ± 0.065 χ^2/NDF : 7076.1/92

- sign 0.893 ± 0.093 χ^2/NDF : 3035.3/47

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.258 ± 0.018 χ^2/NDF : 1065.6/19

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.361 ± 0.018 χ^2/NDF : 1342.2/24

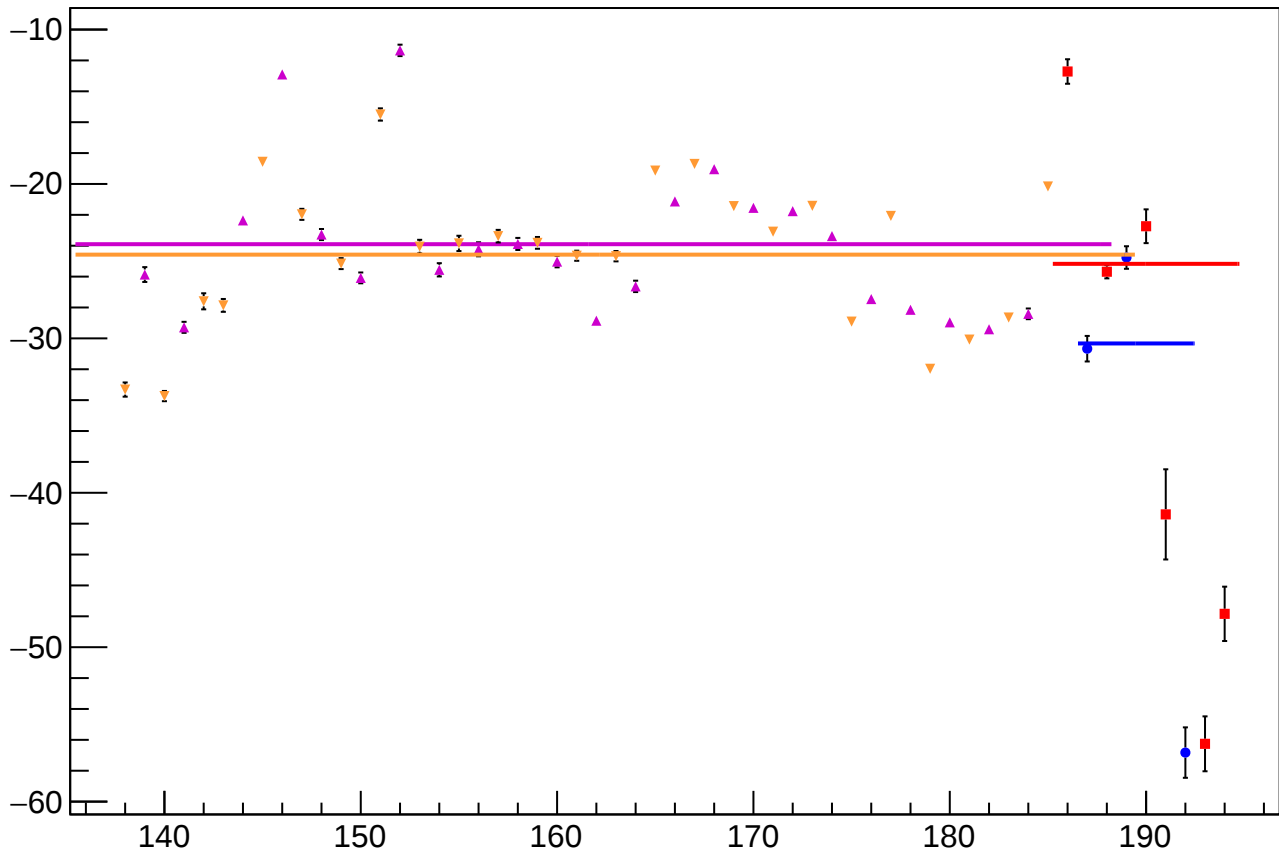
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.239 ± 0.004 χ^2/NDF : 2530.5/44

All: 0.237 ± 0.003 χ^2/NDF : 6009.0/92

- sign 0.234 ± 0.004 χ^2/NDF : 3477.9/47

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.329 ± 0.519 χ^2/NDF : 321.5/2

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -25.173 ± 0.342 χ^2/NDF : 755.2/5

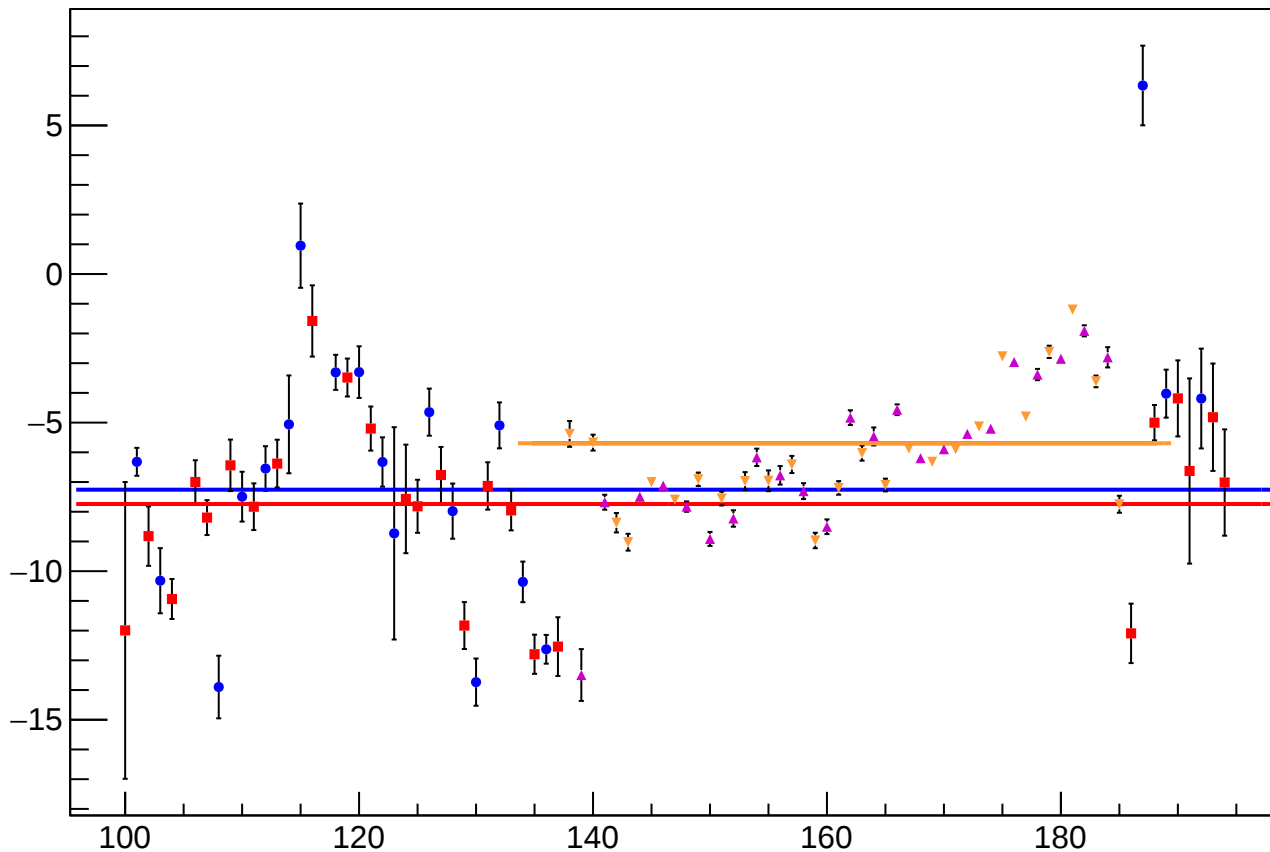
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.632 ± 0.051 χ^2/NDF : 9033.5/27

All: -24.279 ± 0.036 χ^2/NDF : 19053.6/56

- sign -23.929 ± 0.051 χ^2/NDF : 9923.6/28

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.257 ± 0.180 χ^2/NDF : 507.0/19

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.740 ± 0.171 χ^2/NDF : 275.5/24

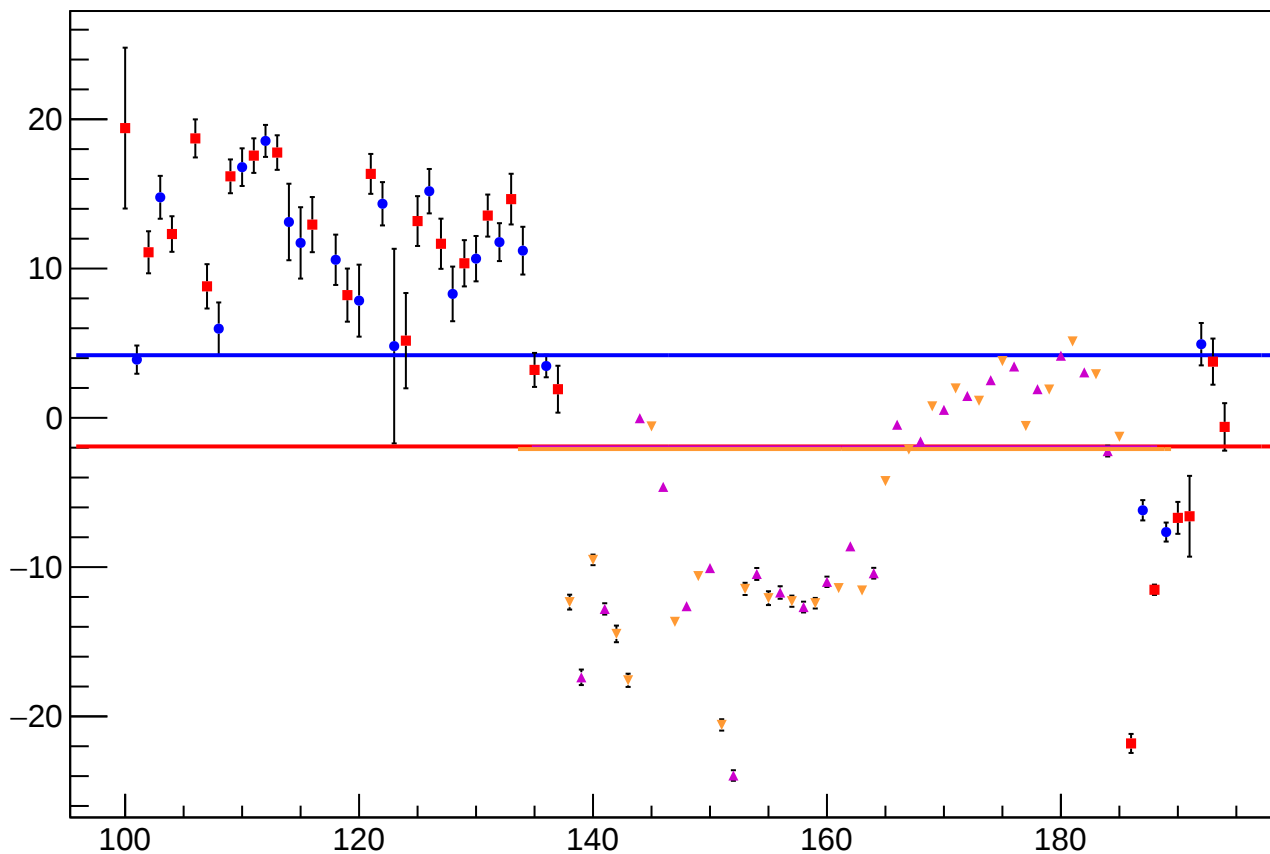
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.772 ± 0.040 χ^2/NDF : 2837.1/44

All: -5.789 ± 0.028 χ^2/NDF : 5557.3/92

- sign -5.806 ± 0.040 χ^2/NDF : 2719.8/47

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 4.194 $\pm$ 0.269 χ^2 /NDF: 1135.6/19

Left Out: -2.092 $\pm$ 0.051 χ^2 /NDF:16305.3/24

Right Out: -1.917 $\pm$ 0.215 χ^2 /NDF: 3907.4/24

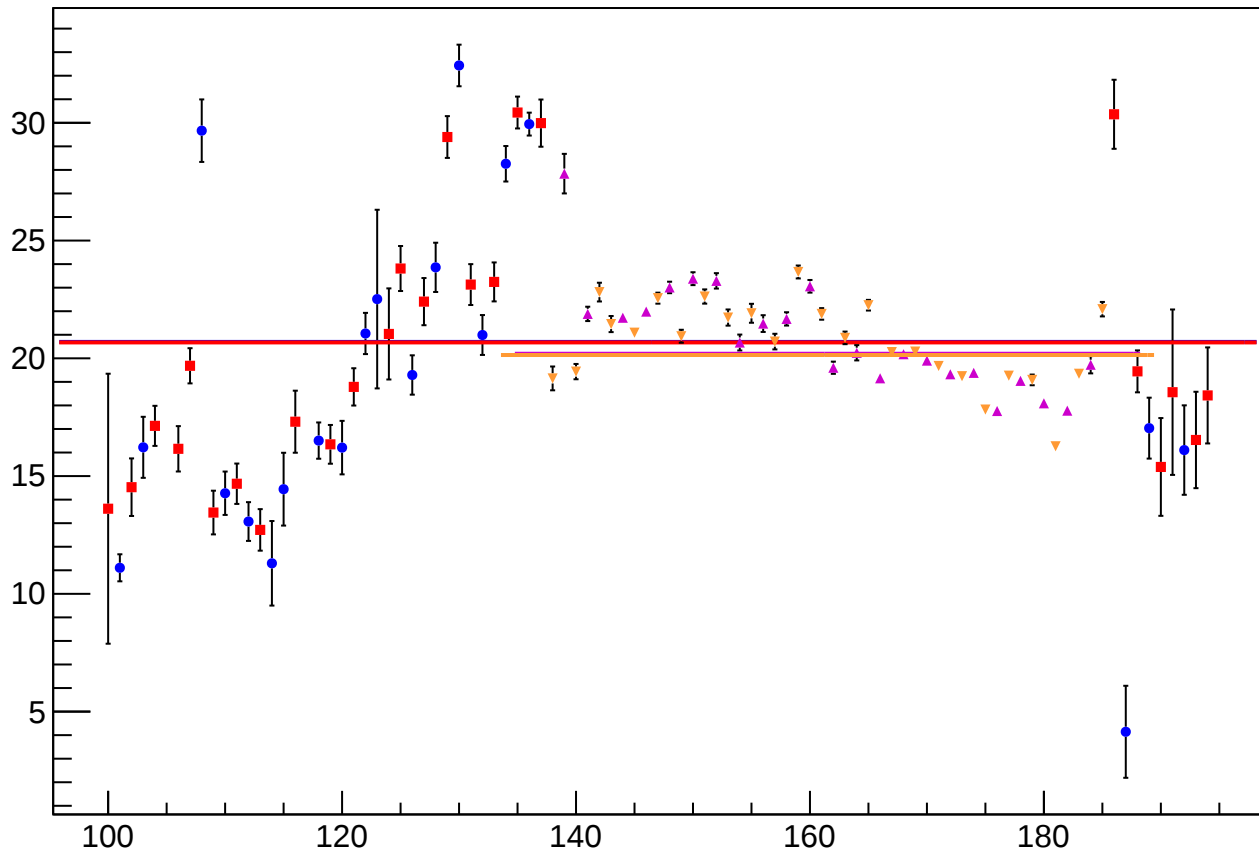
Left In: -1.980 $\pm$ 0.051 χ^2 /NDF:15382.3/22

+ sign -1.870 $\pm$ 0.050 χ^2 /NDF: 17969.1/44

All: -1.924 $\pm$ 0.035 χ^2 /NDF: 37261.1/92

- sign -1.977 $\pm$ 0.050 χ^2 /NDF: 19289.8/47

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.697 $\pm$ 0.206 χ^2 /NDF: 1297.8/19

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.675 $\pm$ 0.202 χ^2 /NDF: 779.4/24

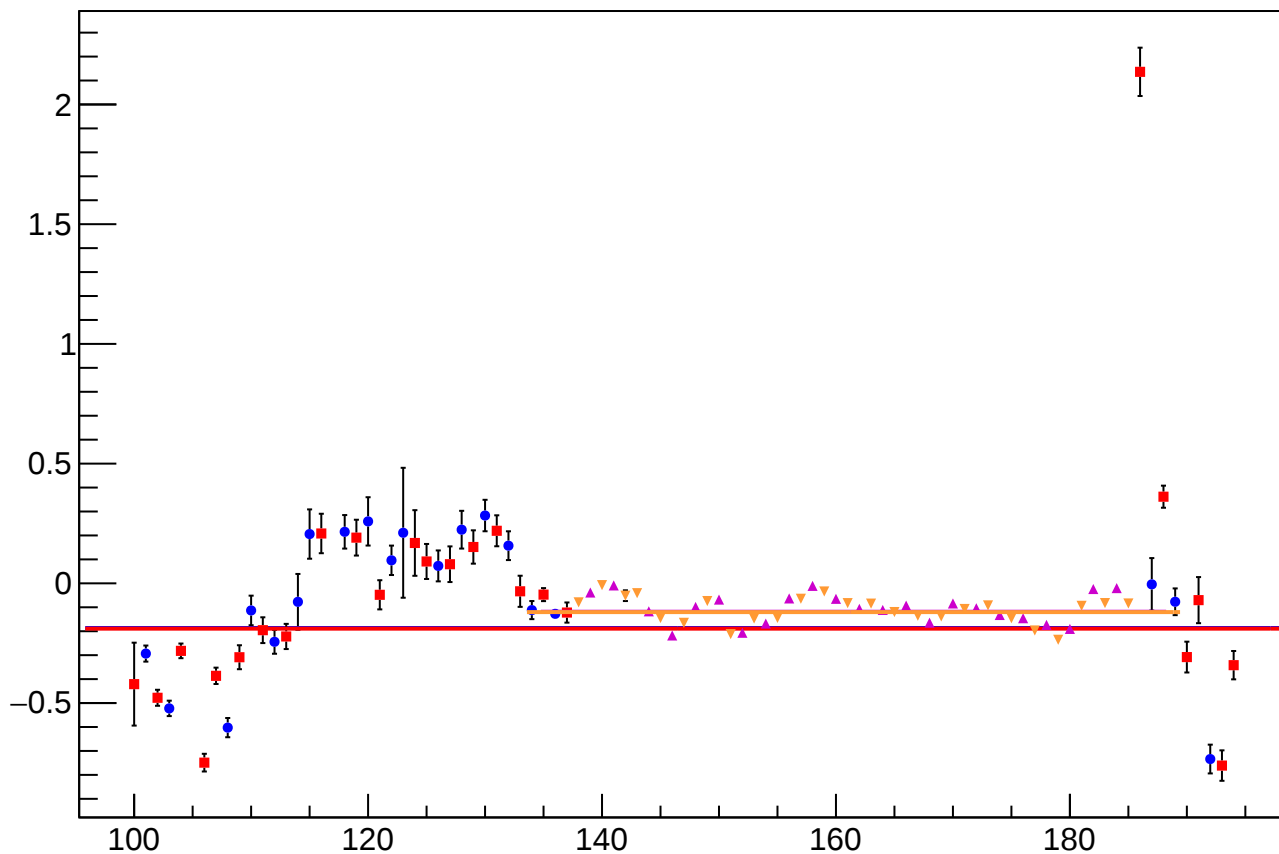
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.167 $\pm$ 0.045 χ^2 /NDF: 2723.8/44

All: 20.192 $\pm$ 0.032 χ^2 /NDF: 4956.6/92

- sign 20.218 $\pm$ 0.045 χ^2 /NDF: 2232.2/47

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.187 ± 0.011 χ^2/NDF : 549.1/19

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.189 ± 0.010 χ^2/NDF : 1308.5/24

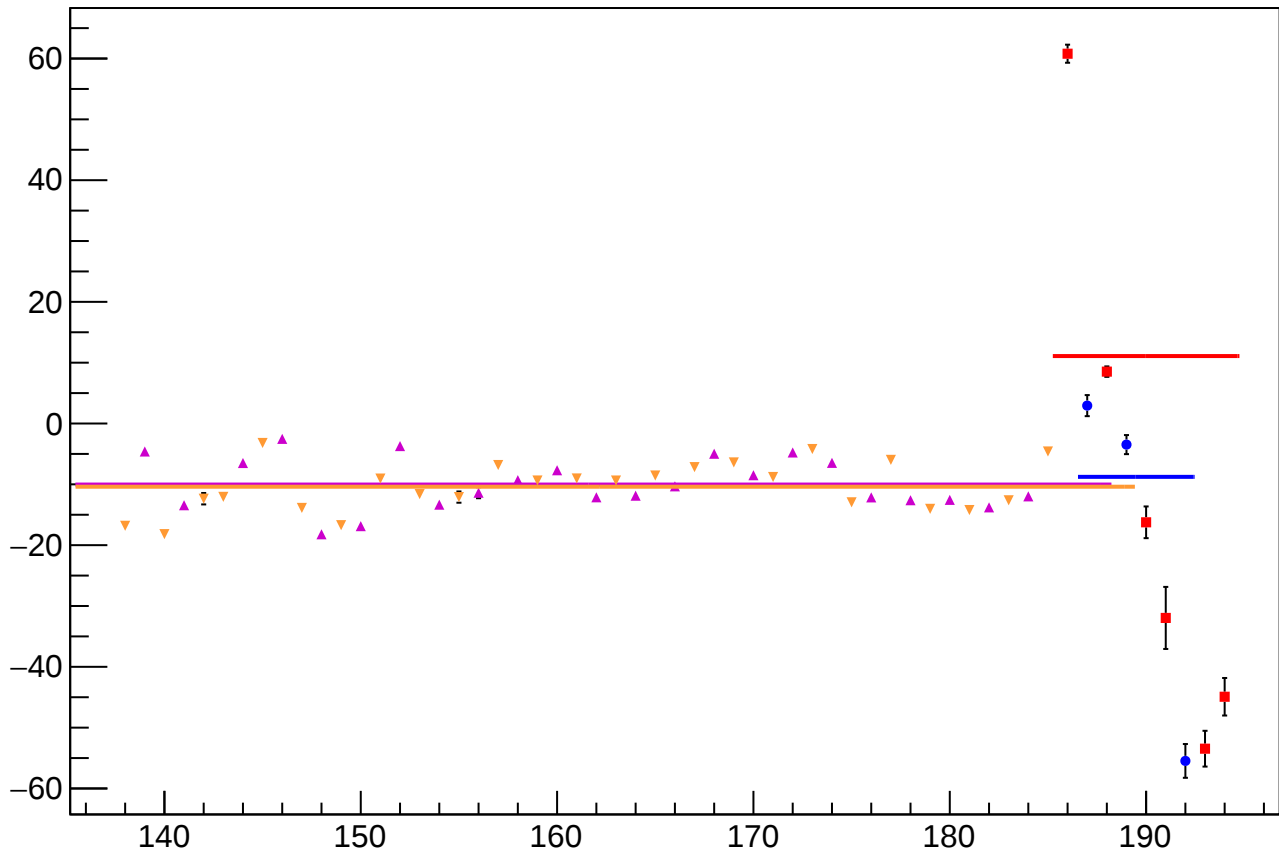
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.123 ± 0.002 χ^2/NDF : 1116.3/44

All: -0.122 ± 0.001 χ^2/NDF : 3193.1/92

- sign -0.122 ± 0.002 χ^2/NDF : 2076.7/47

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -8.769 ± 1.072 χ^2/NDF : 340.1/2

Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24

Right Out: 11.088 ± 0.672 χ^2/NDF : 2119.3/5

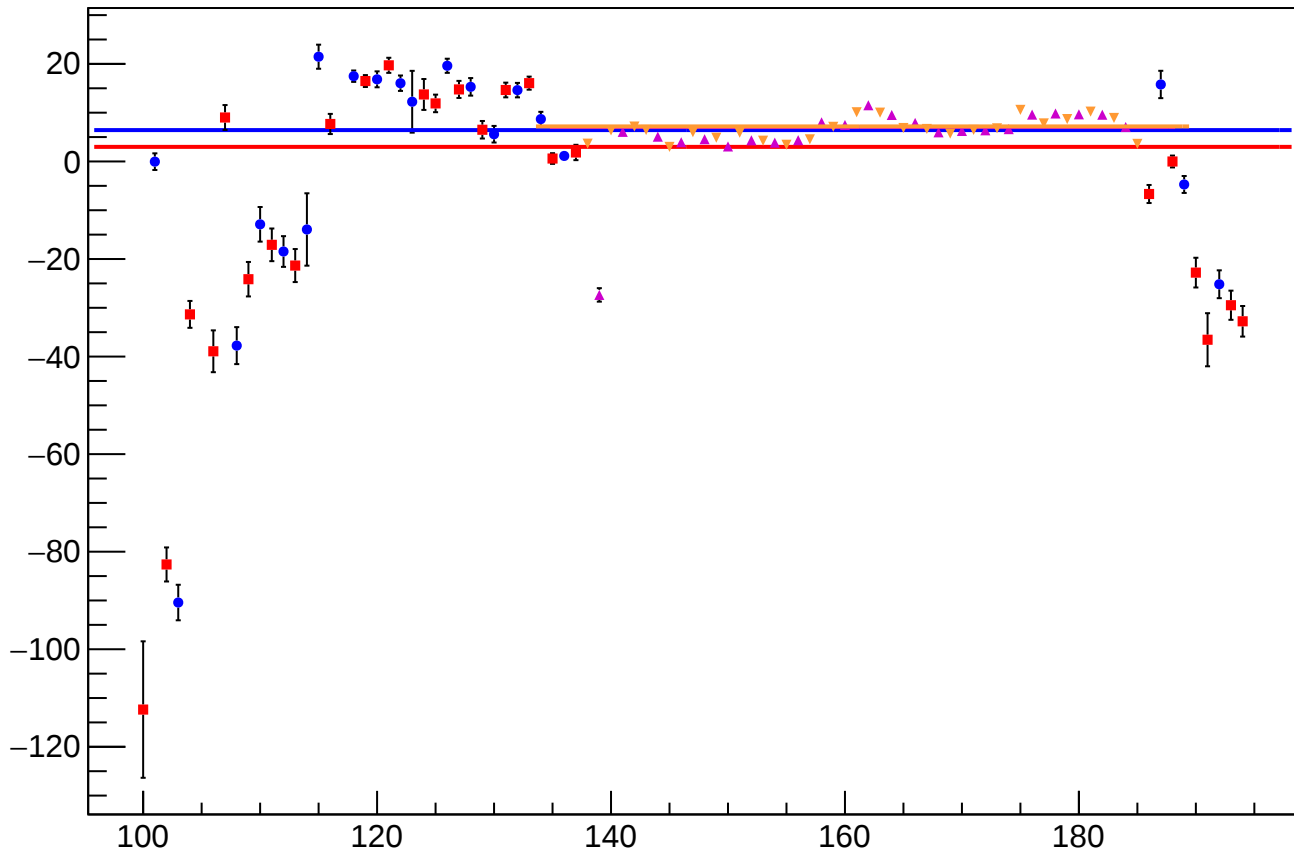
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.380 ± 0.088 χ^2/NDF : 2453.9/27

All: -10.029 ± 0.062 χ^2/NDF : 7335.2/56

- sign -9.668 ± 0.089 χ^2/NDF : 4848.6/28

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 6.430 ± 0.389 χ^2/NDF : 1522.3/19

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 2.990 ± 0.389 χ^2/NDF : 1967.5/24

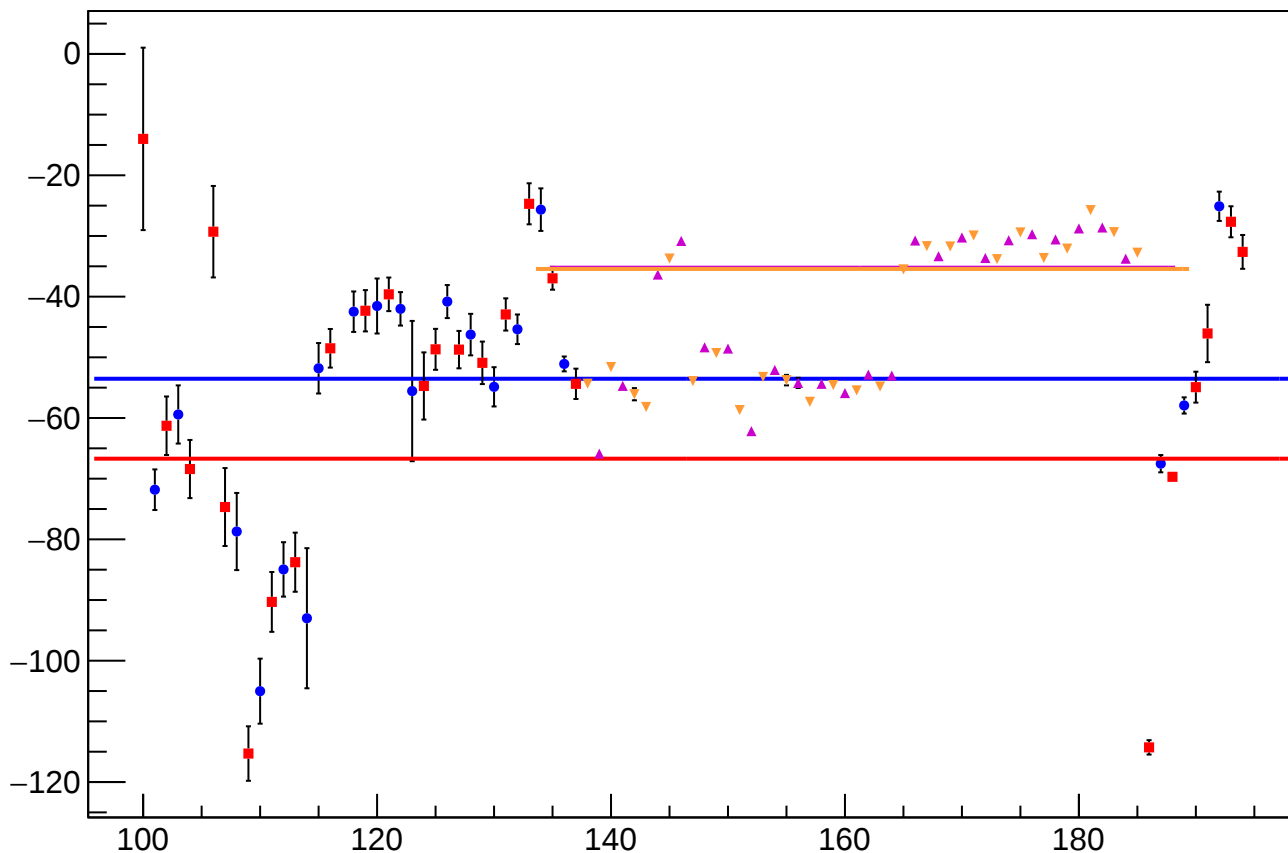
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.158 ± 0.072 χ^2/NDF : 2443.2/44

All: 7.035 ± 0.051 χ^2/NDF : 6057.7/92

- sign 6.910 ± 0.073 χ^2/NDF : 3608.6/47

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -53.530 ± 0.573 χ^2/NDF : 586.9/19

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -66.705 ± 0.455 χ^2/NDF : 3015.6/24

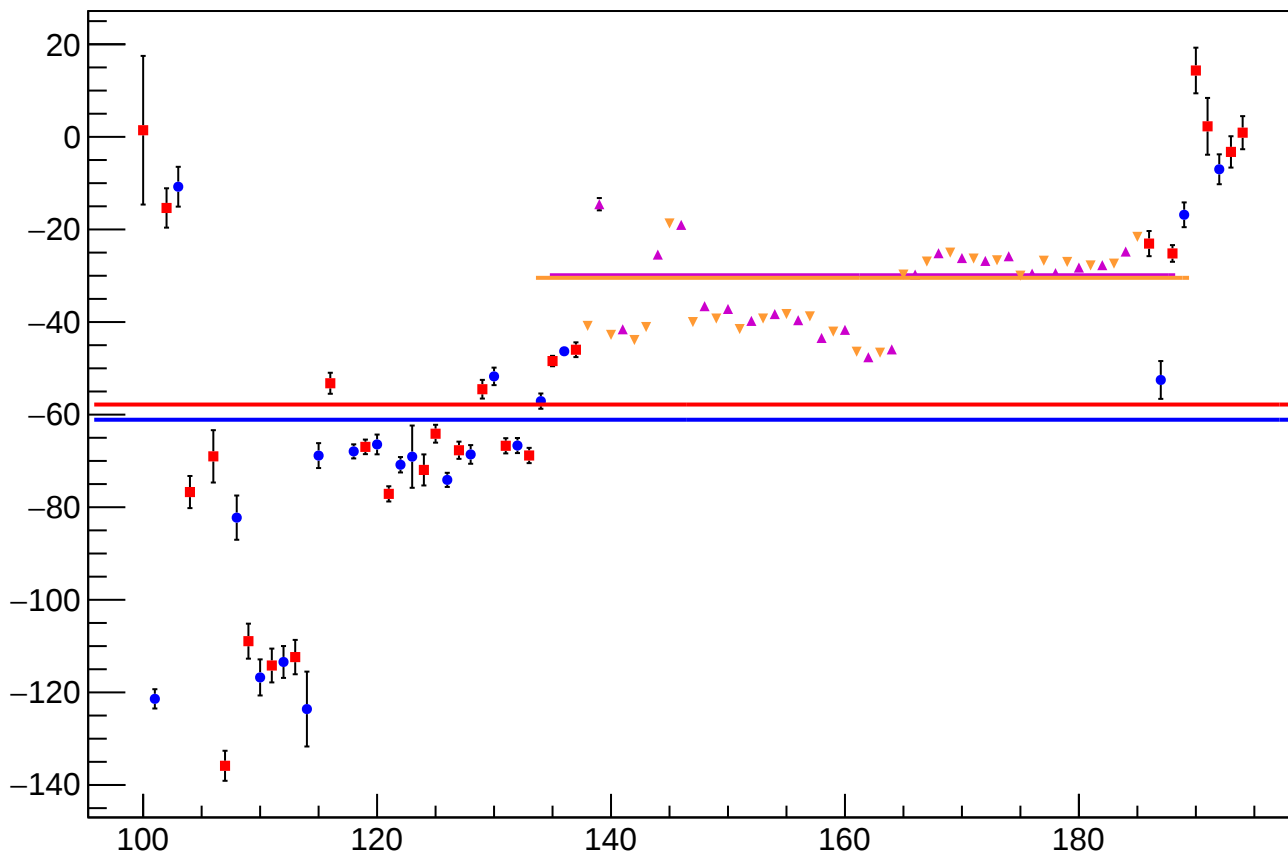
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.860 ± 0.088 χ^2/NDF : 14342.5/44

All: -36.138 ± 0.062 χ^2/NDF : 33592.0/92

- sign -36.418 ± 0.088 χ^2/NDF : 19229.5/47

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -61.102 ± 0.436 χ^2/NDF : 2593.8/19

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -57.819 ± 0.450 χ^2/NDF : 3128.5/24

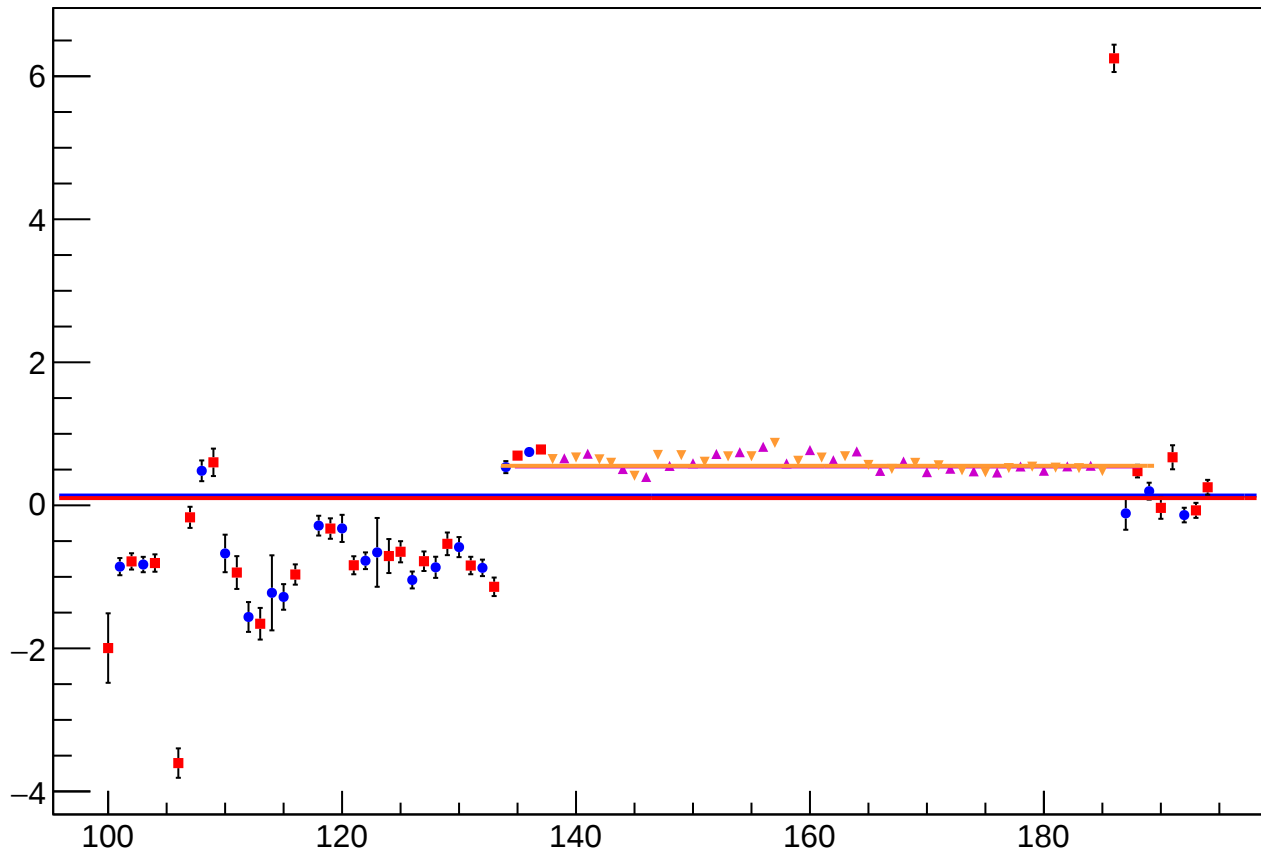
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.482 ± 0.080 χ^2/NDF : 15529.2/44

All: -31.147 ± 0.057 χ^2/NDF : 29541.2/92

- sign -30.804 ± 0.081 χ^2/NDF : 13976.7/47

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.137 ± 0.023 $\chi^2/\text{NDF}: 996.4/19$

Left Out: 0.553 ± 0.004 $\chi^2/\text{NDF}: 542.1/24$

Right Out: 0.101 ± 0.023 $\chi^2/\text{NDF}: 2266.8/24$

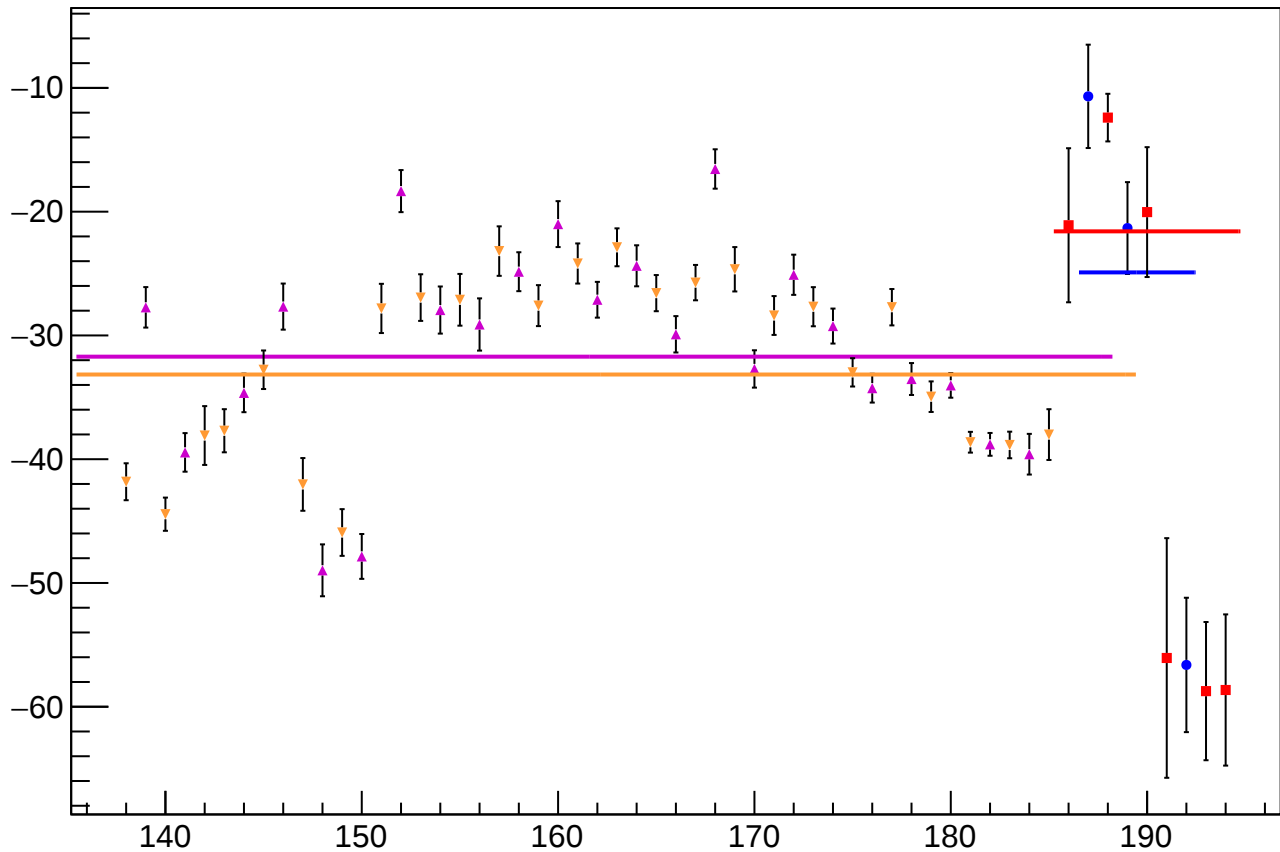
Left In: 0.544 ± 0.004 $\chi^2/\text{NDF}: 655.9/22$

+ sign 0.542 ± 0.004 $\chi^2/\text{NDF}: 1861.1/44$

All: 0.537 ± 0.003 $\chi^2/\text{NDF}: 5142.2/92$

- sign 0.532 ± 0.004 $\chi^2/\text{NDF}: 3277.5/47$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -24.906 ± 2.470 $\chi^2/\text{NDF}: 46.7/2$

Left Out: -33.157 ± 0.300 $\chi^2/\text{NDF}: 500.1/24$

Right Out: -21.590 ± 1.578 $\chi^2/\text{NDF}: 116.6/5$

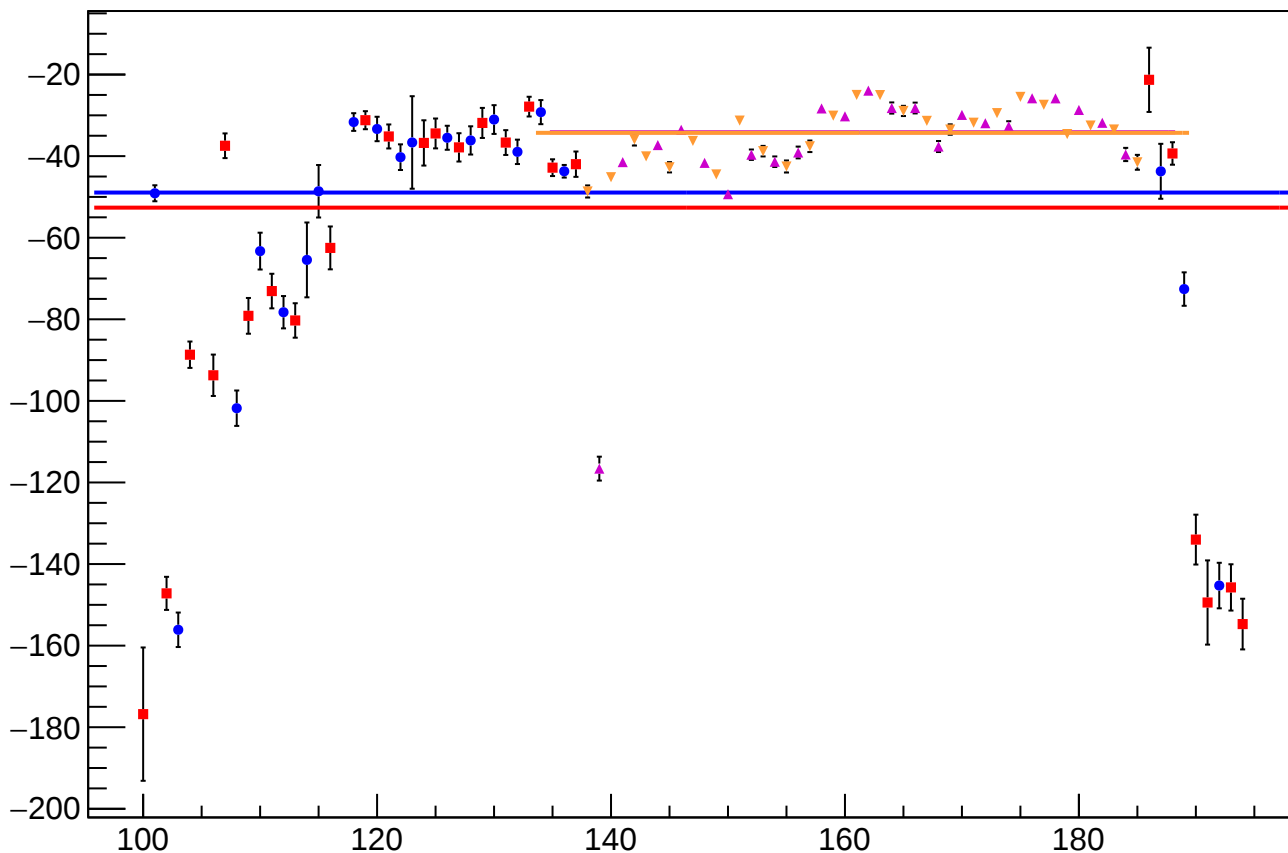
Left In: -31.714 ± 0.309 $\chi^2/\text{NDF}: 542.3/22$

+ sign -33.037 ± 0.298 $\chi^2/\text{NDF}: 557.8/27$

All: -32.203 ± 0.213 $\chi^2/\text{NDF}: 1272.2/56$

- sign -31.340 ± 0.303 $\chi^2/\text{NDF}: 698.6/28$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -48.928 ± 0.709 χ^2/NDF : 1418.2/19

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -52.626 ± 0.716 χ^2/NDF : 2144.9/24

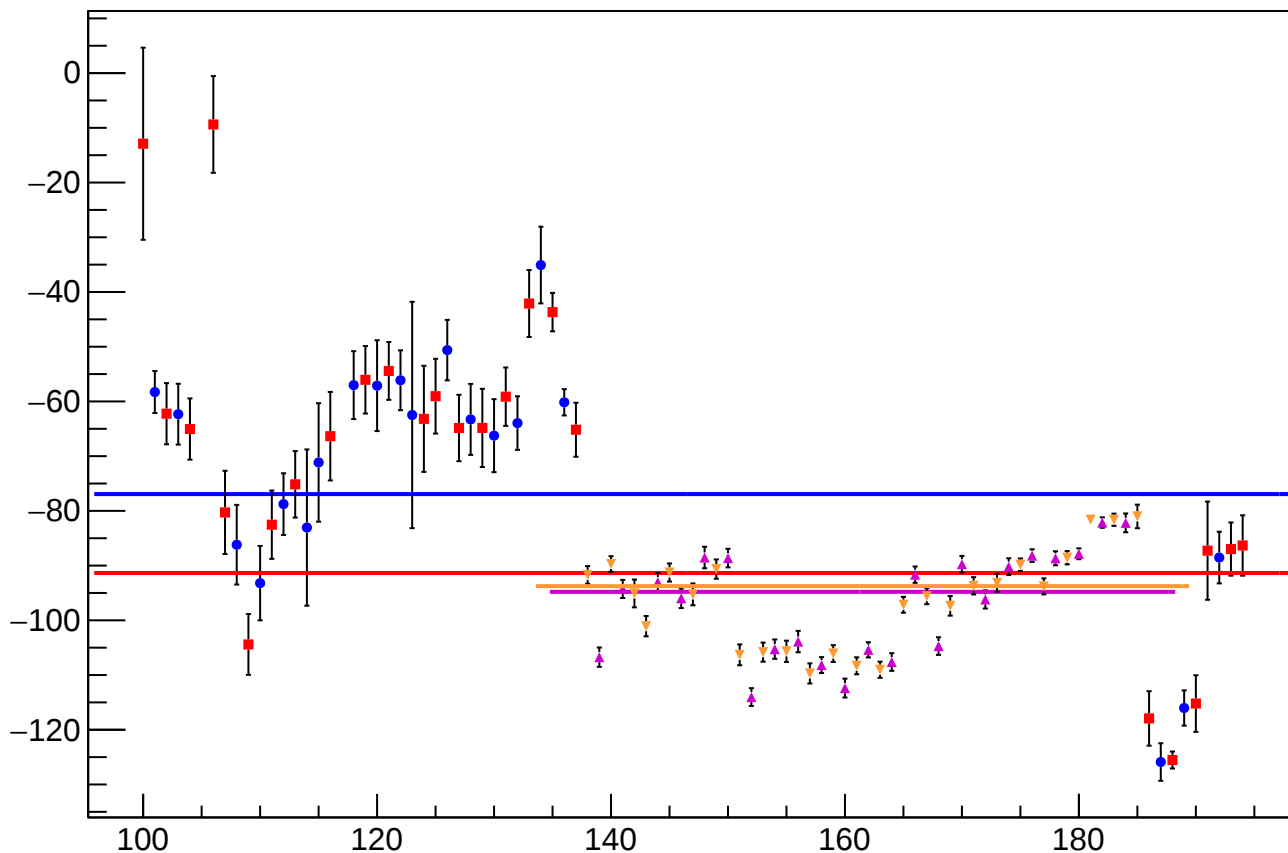
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -35.808 ± 0.229 χ^2/NDF : 2495.3/44

All: -35.981 ± 0.164 χ^2/NDF : 6687.9/92

- sign -36.166 ± 0.237 χ^2/NDF : 4191.3/47

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -76.933 ± 1.116 χ^2/NDF : 547.2/19

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -91.348 ± 0.952 χ^2/NDF : 1178.1/24

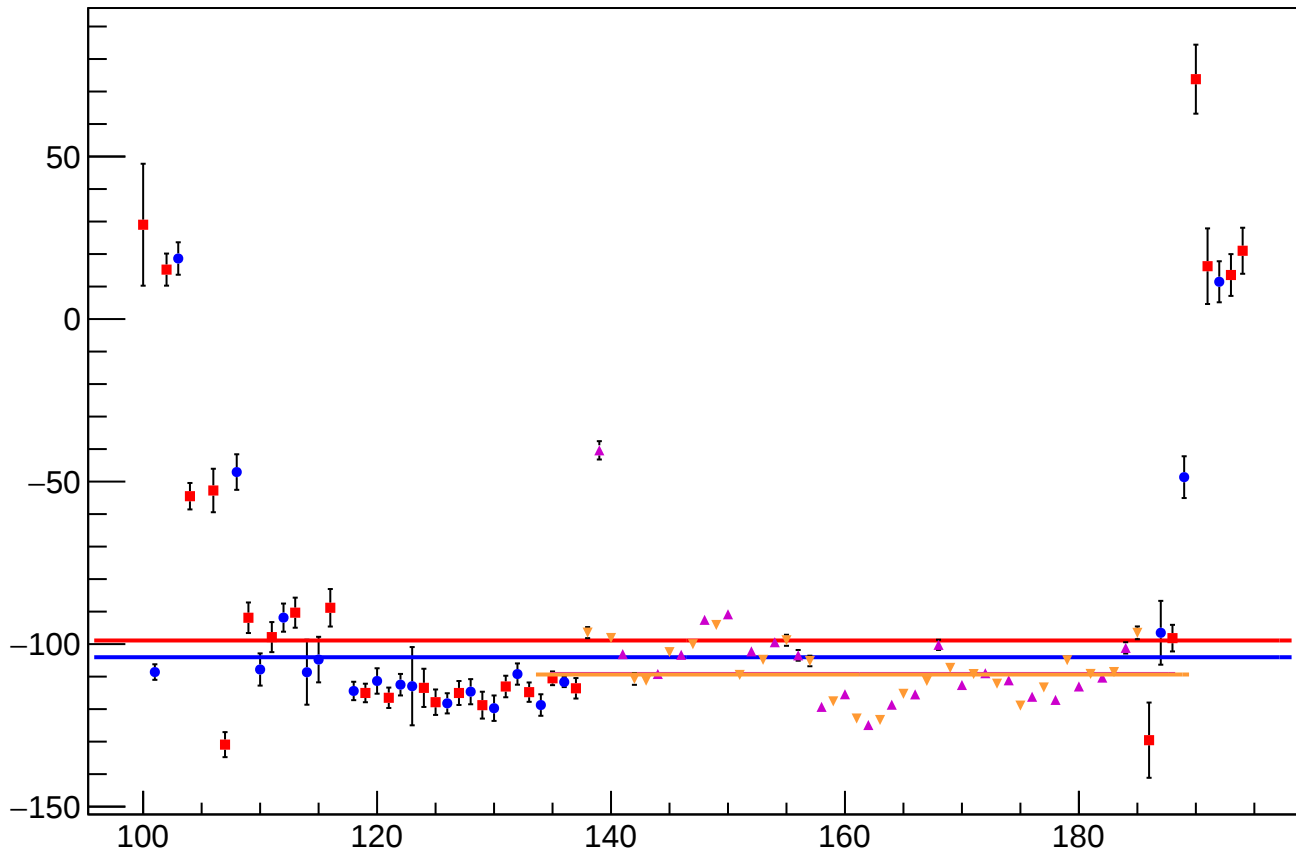
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.609 ± 0.291 χ^2/NDF : 1641.8/44

All: -93.532 ± 0.207 χ^2/NDF : 3826.7/92

- sign -94.468 ± 0.293 χ^2/NDF : 2164.7/47

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -104.035 ± 0.802 χ^2/NDF : 1248.9/19

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -98.885 ± 0.824 χ^2/NDF : 2022.5/24

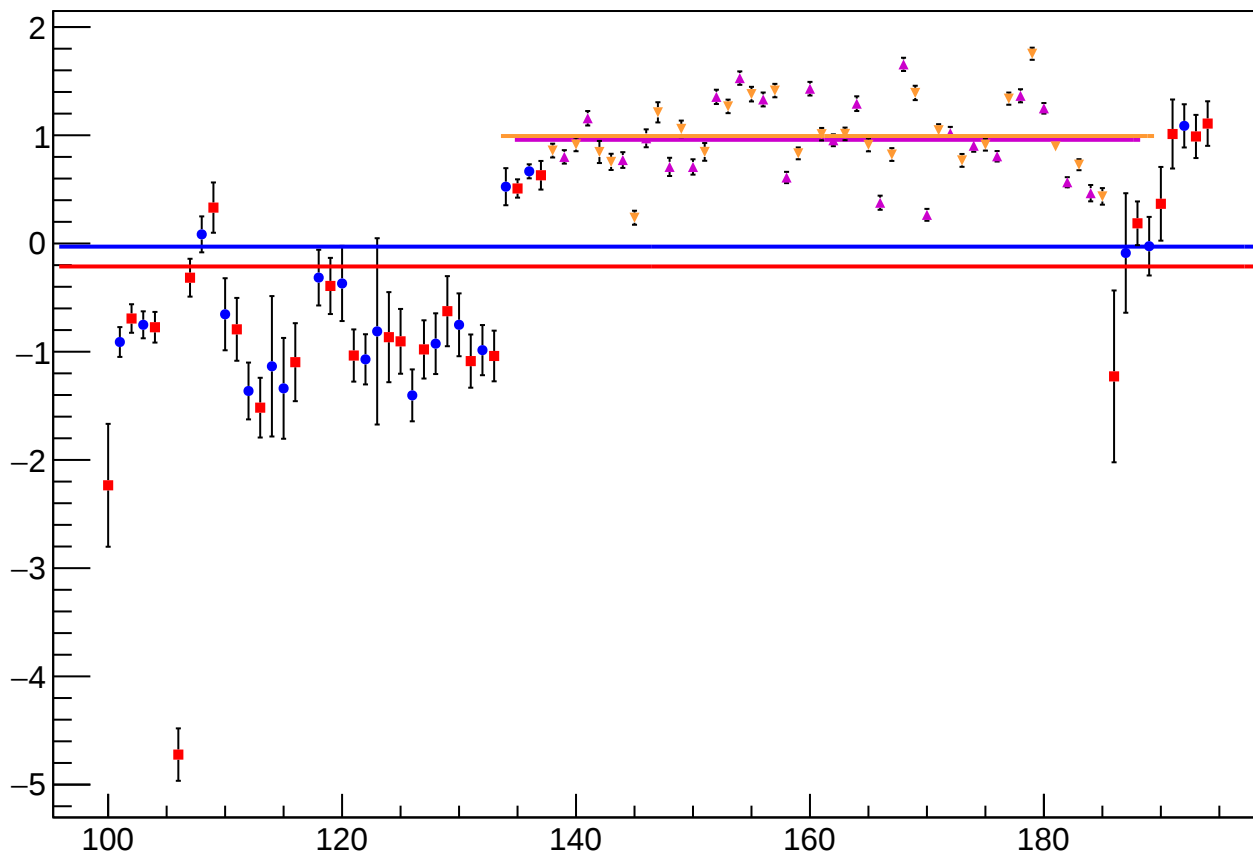
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -108.806 ± 0.257 χ^2/NDF : 2115.2/44

All: -108.473 ± 0.184 χ^2/NDF : 5782.2/92

- sign -108.120 ± 0.265 χ^2/NDF : 3663.6/47

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.029 ± 0.041 χ^2/NDF : 361.2/19

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.212 ± 0.041 χ^2/NDF : 695.2/24

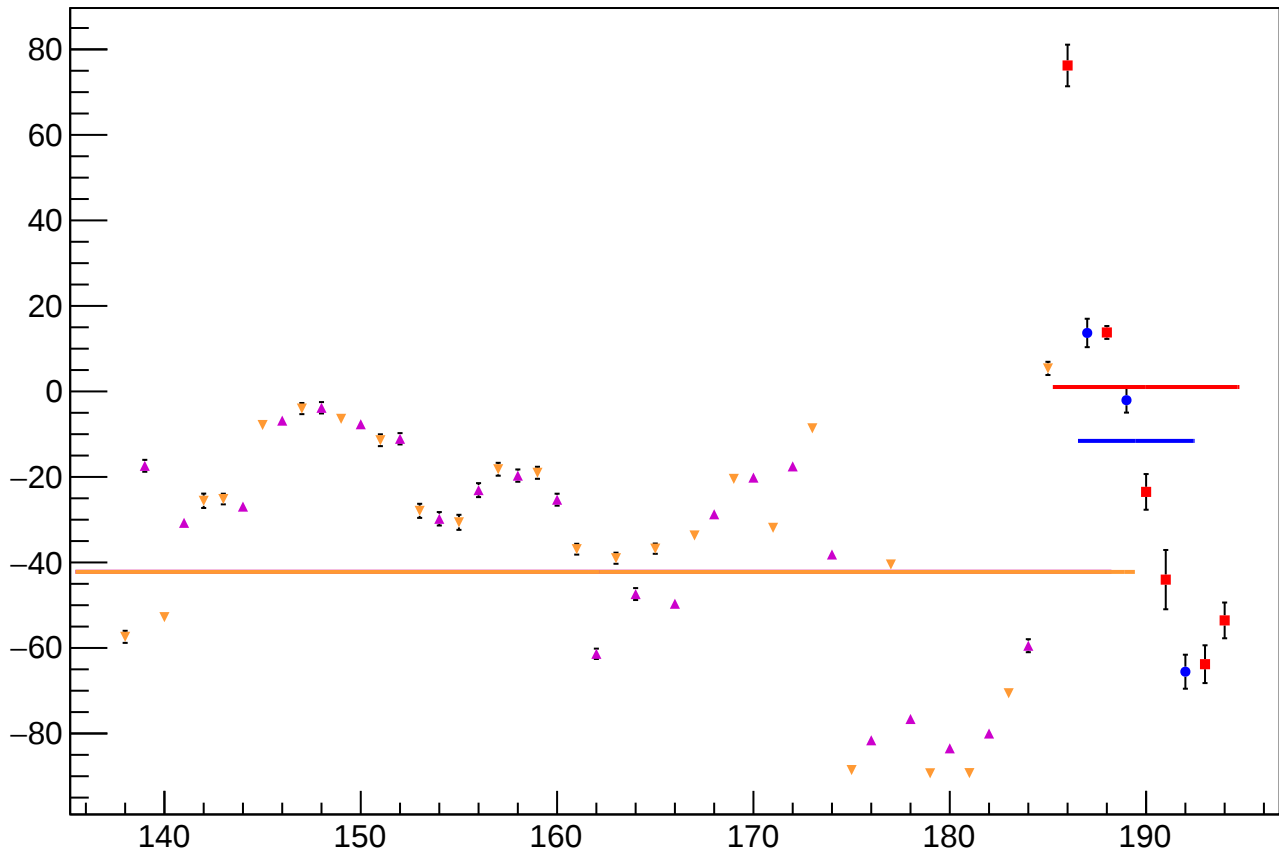
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.906 ± 0.012 χ^2/NDF : 1574.4/44

All: 0.881 ± 0.008 χ^2/NDF : 3933.3/92

- sign 0.854 ± 0.012 χ^2/NDF : 2349.3/47

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -11.569 ± 1.917 χ^2/NDF : 252.6/2

Left Out: -42.213 ± 0.222 χ^2/NDF : 18309.1/24

Right Out: 1.032 ± 1.223 χ^2/NDF : 772.8/5

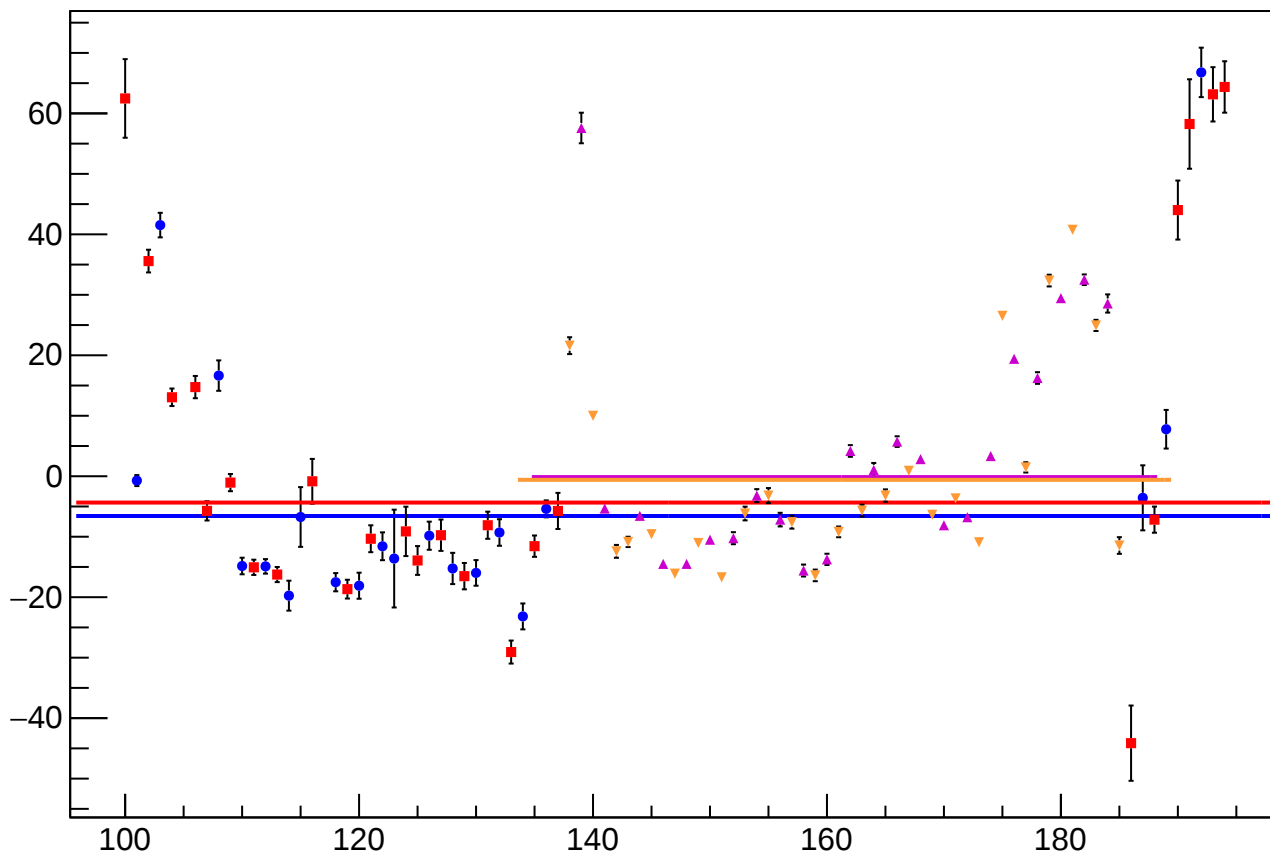
Left In: -42.176 ± 0.227 χ^2/NDF : 14575.9/22

+ sign -41.807 ± 0.221 χ^2/NDF : 18813.9/27

All: -41.278 ± 0.157 χ^2/NDF : 35381.1/56

- sign -40.736 ± 0.223 χ^2/NDF : 16555.6/28

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -6.574 ± 0.423 $\chi^2/\text{NDF}: 1324.7/19$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: -4.352 ± 0.414 $\chi^2/\text{NDF}: 2012.1/24$

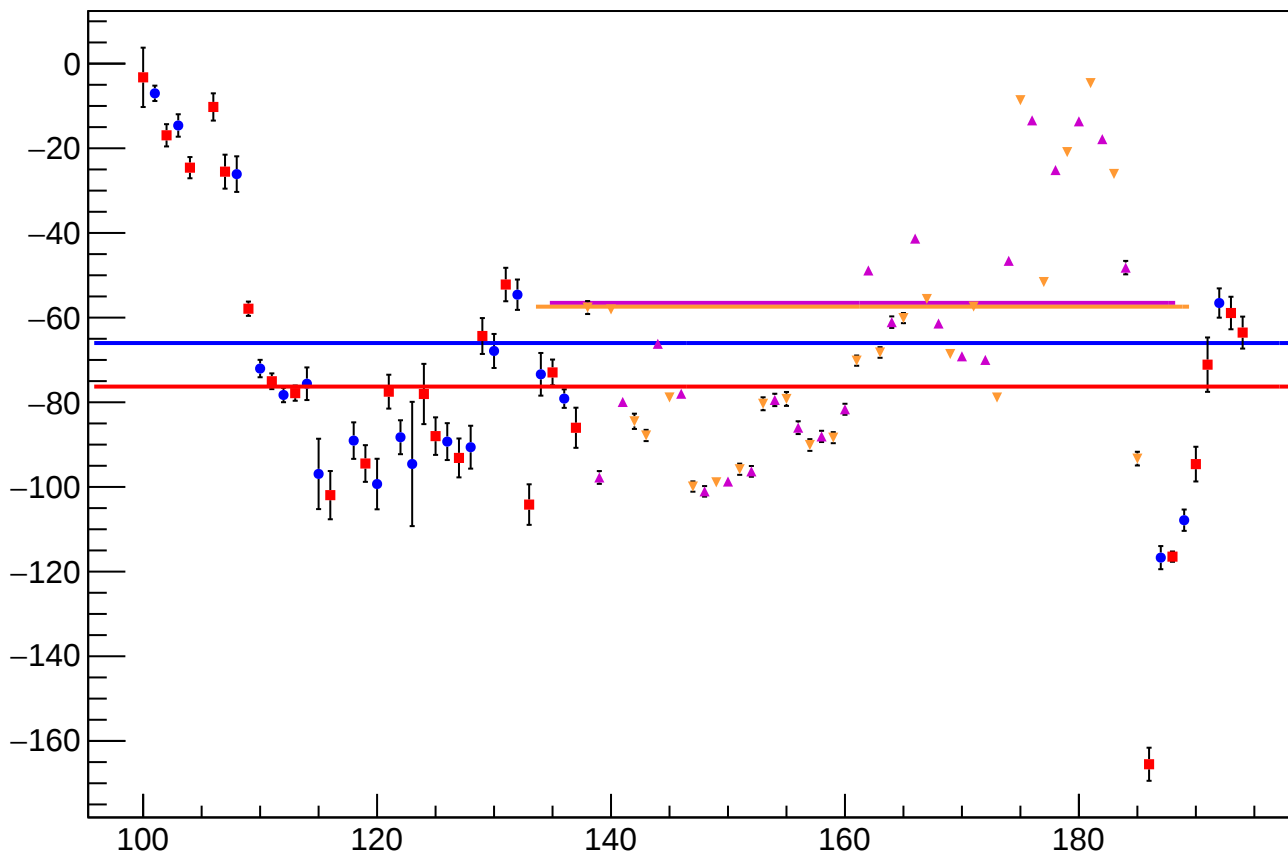
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -1.457 ± 0.161 $\chi^2/\text{NDF}: 10246.5/44$

All: -1.138 ± 0.115 $\chi^2/\text{NDF}: 19216.2/92$

- sign -0.805 ± 0.164 $\chi^2/\text{NDF}: 8961.6/47$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.006 ± 0.679 χ^2/NDF : 2423.8/19

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -76.290 ± 0.580 χ^2/NDF : 3548.2/24

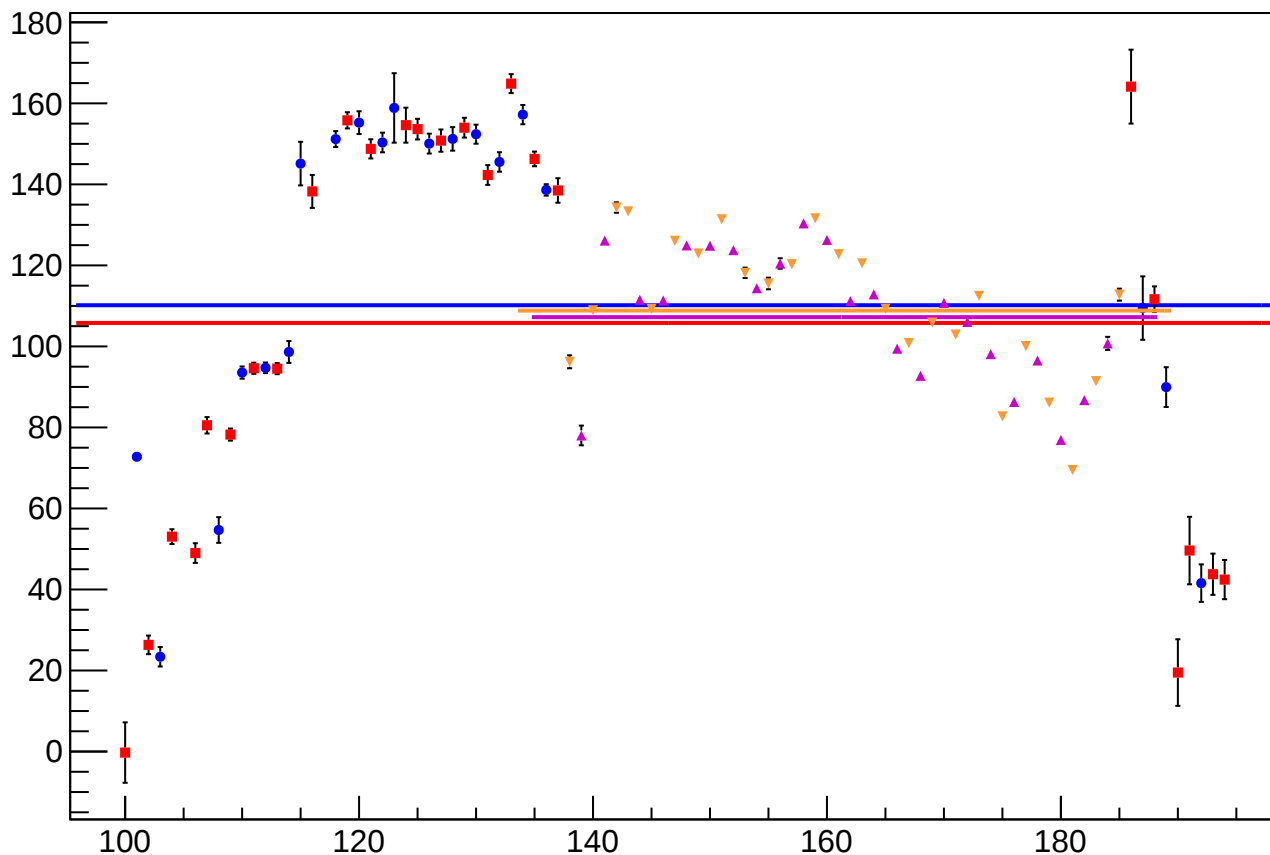
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.250 ± 0.212 χ^2/NDF : 21172.3/44

All: -58.700 ± 0.150 χ^2/NDF : 42089.7/92

- sign -59.146 ± 0.211 χ^2/NDF : 20908.4/47

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 110.166 $\pm$ 0.484 χ^2 /NDF: 6104.5/19

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 105.795 $\pm$ 0.476 χ^2 /NDF: 7570.8/24

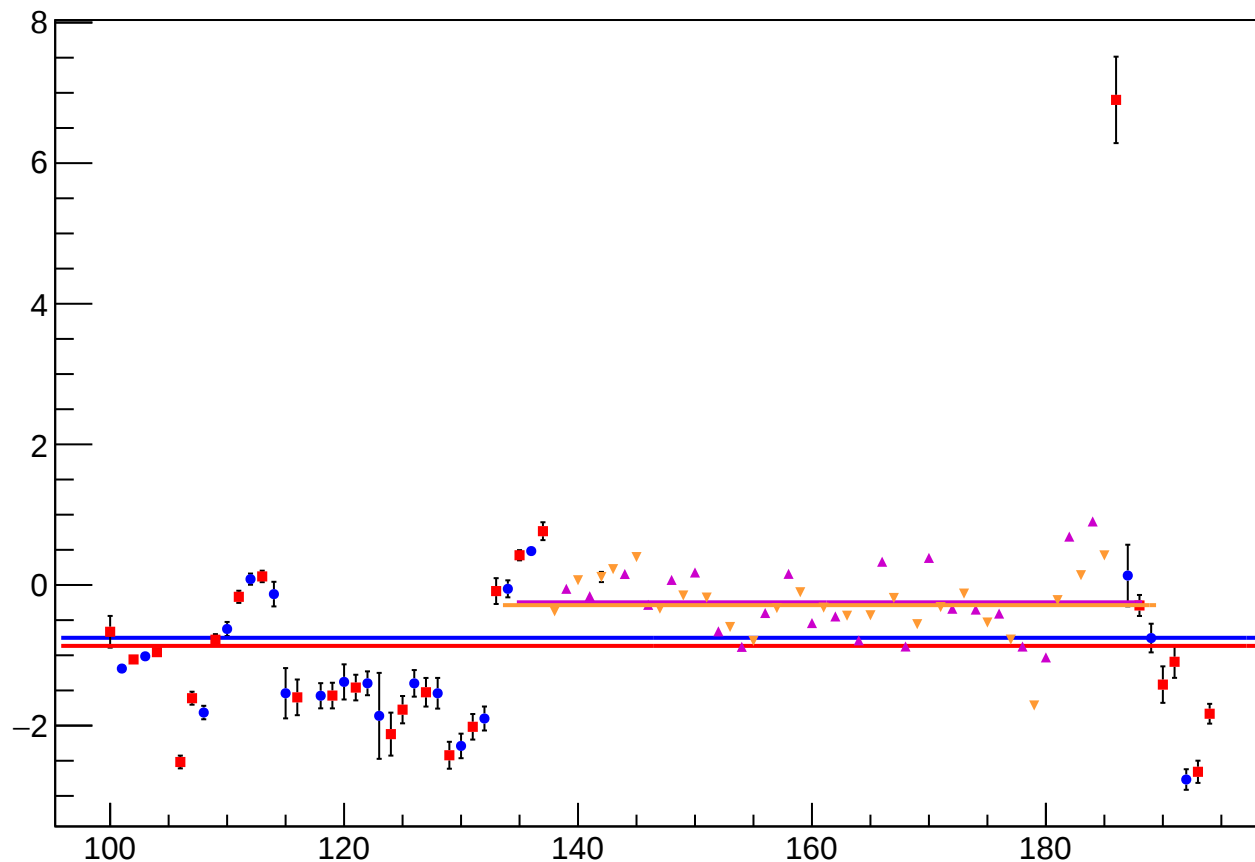
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 109.034 $\pm$ 0.183 χ^2 /NDF: 13511.1/44

All: 108.039 $\pm$ 0.130 χ^2 /NDF: 26715.2/92

- sign 107.006 $\pm$ 0.186 χ^2 /NDF: 13143.7/47

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.751 ± 0.025 χ^2/NDF : 1188.1/19

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.866 ± 0.023 χ^2/NDF : 1662.3/24

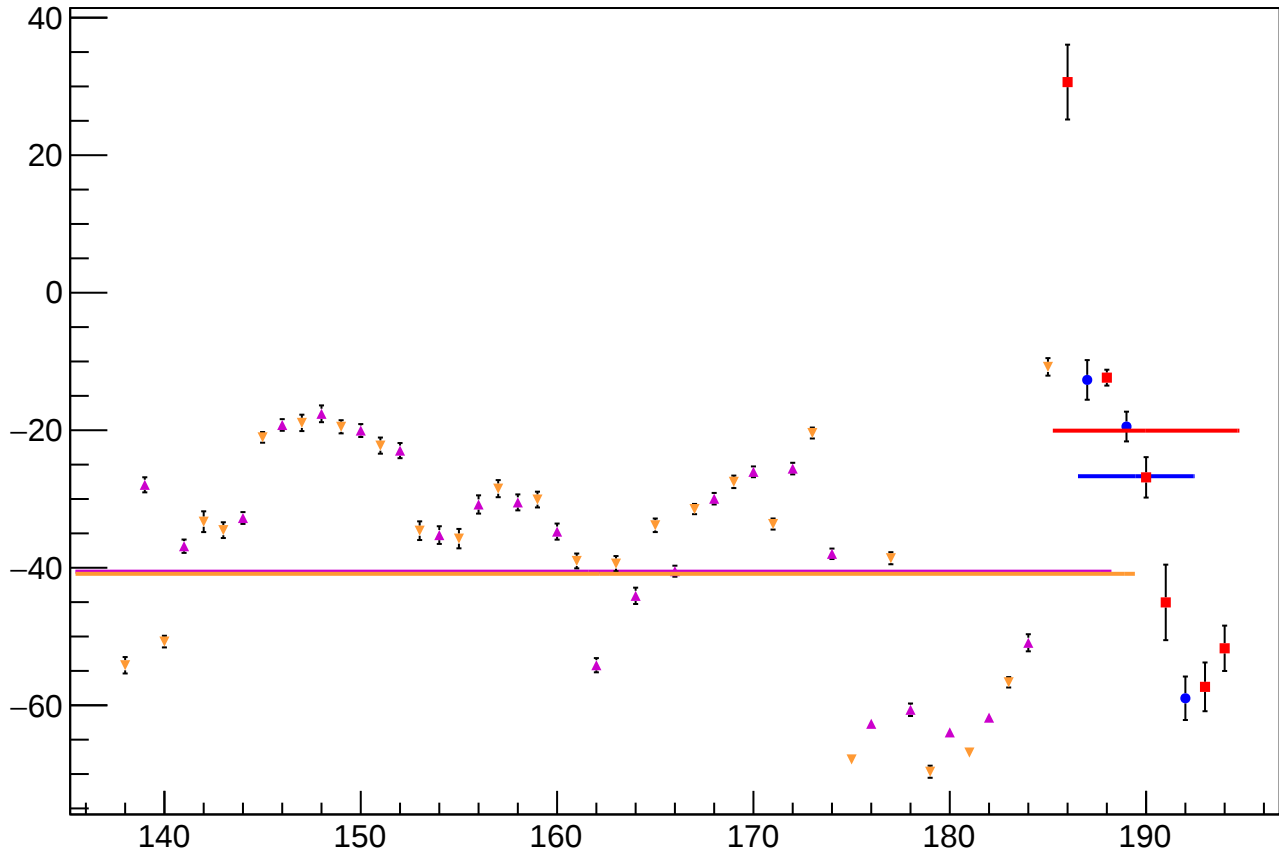
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.340 ± 0.009 χ^2/NDF : 3541.3/44

All: -0.336 ± 0.006 χ^2/NDF : 8611.5/92

- sign -0.332 ± 0.009 χ^2/NDF : 5069.7/47

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -26.687 ± 1.518 χ^2/NDF : 139.1/2

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -20.060 ± 0.952 χ^2/NDF : 360.0/5

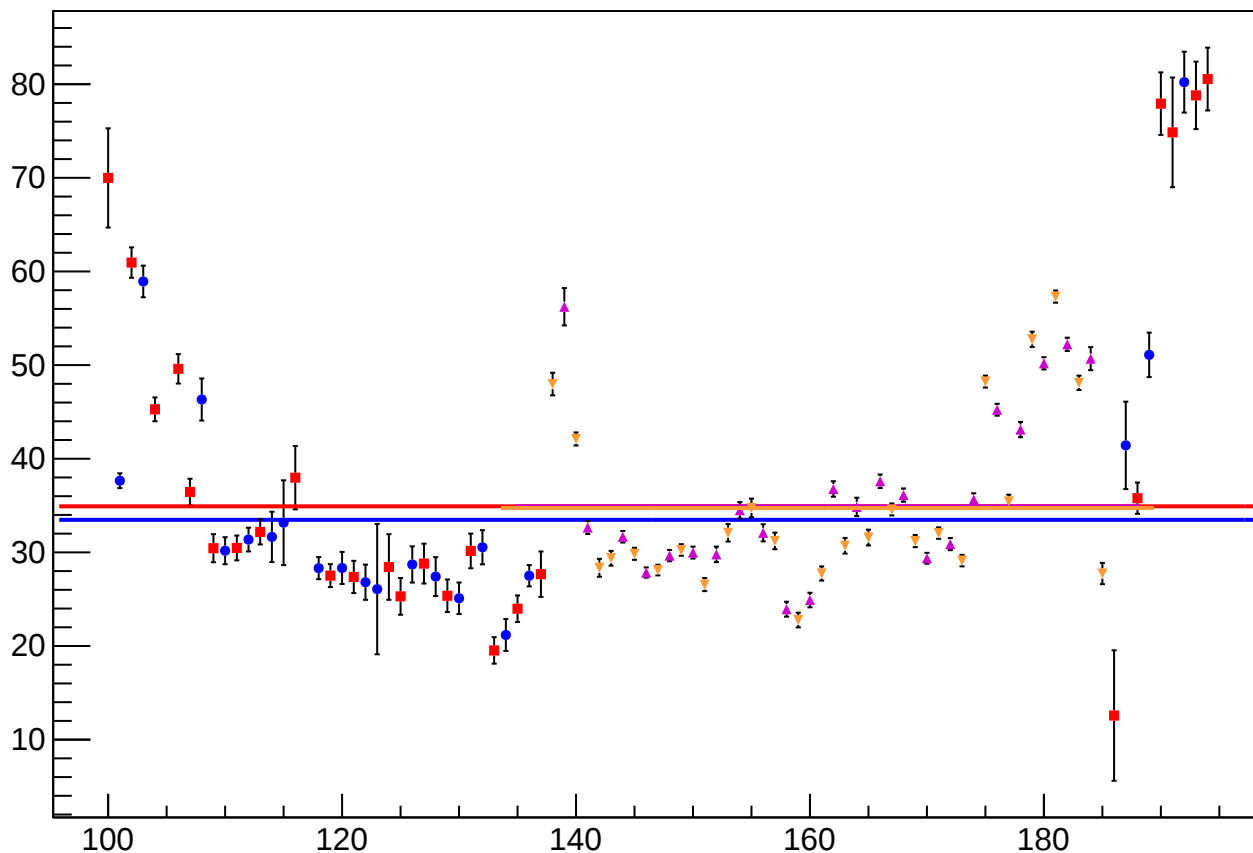
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.669 ± 0.185 χ^2/NDF : 9348.4/27

All: -40.229 ± 0.131 χ^2/NDF : 17121.1/56

- sign -39.782 ± 0.186 χ^2/NDF : 7761.2/28

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.476 ± 0.368 $\chi^2/\text{NDF}: 724.3/19$

Left Out: 34.741 ± 0.147 $\chi^2/\text{NDF}: 3693.2/24$

Right Out: 34.918 ± 0.362 $\chi^2/\text{NDF}: 1351.6/24$

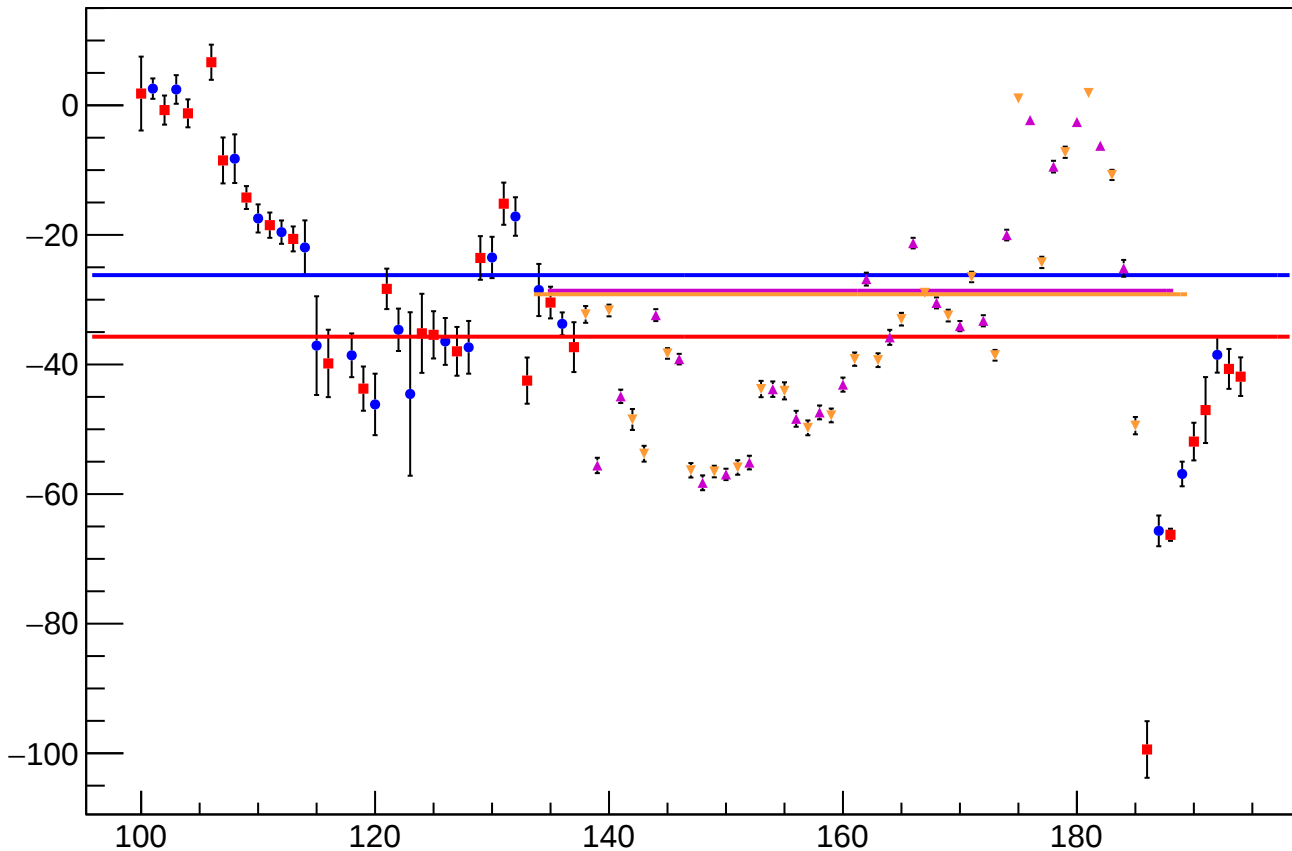
Left In: 34.922 ± 0.152 $\chi^2/\text{NDF}: 2672.9/22$

+ sign 34.566 ± 0.137 $\chi^2/\text{NDF}: 4427.6/44$

All: 34.740 ± 0.098 $\chi^2/\text{NDF}: 8455.4/92$

- sign 34.922 ± 0.140 $\chi^2/\text{NDF}: 4024.5/47$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -26.208 ± 0.595 $\chi^2/\text{NDF}: 1199.9/19$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -35.710 ± 0.501 $\chi^2/\text{NDF}: 2530.6/24$

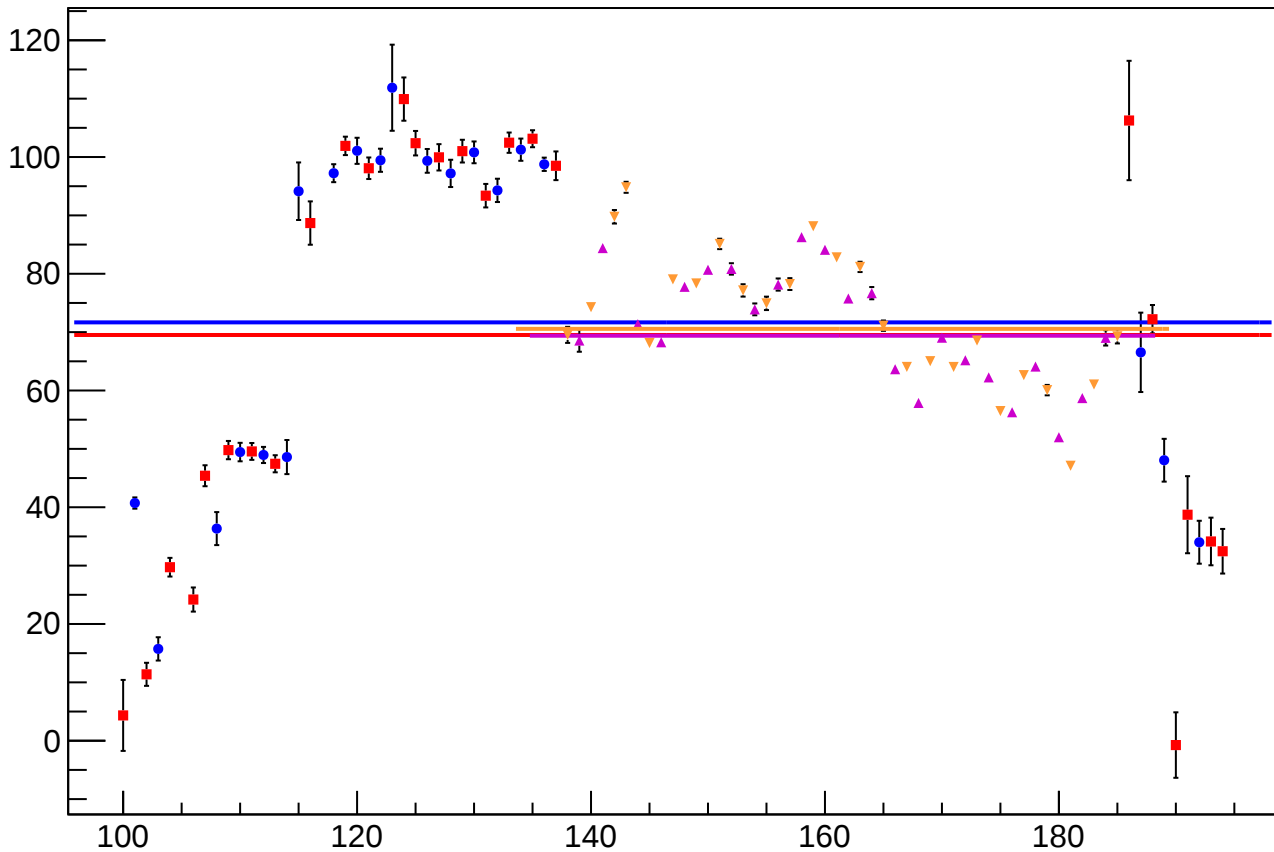
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -28.897 ± 0.178 $\chi^2/\text{NDF}: 11348.3/44$

All: -29.203 ± 0.126 $\chi^2/\text{NDF}: 23100.9/92$

- sign -29.506 ± 0.178 $\chi^2/\text{NDF}: 11746.7/47$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 71.672 ± 0.422 χ^2/NDF : 4823.2/19

Left Out: 70.563 ± 0.166 χ^2/NDF : 4589.1/24

Right Out: 69.511 ± 0.420 χ^2/NDF : 5865.2/24

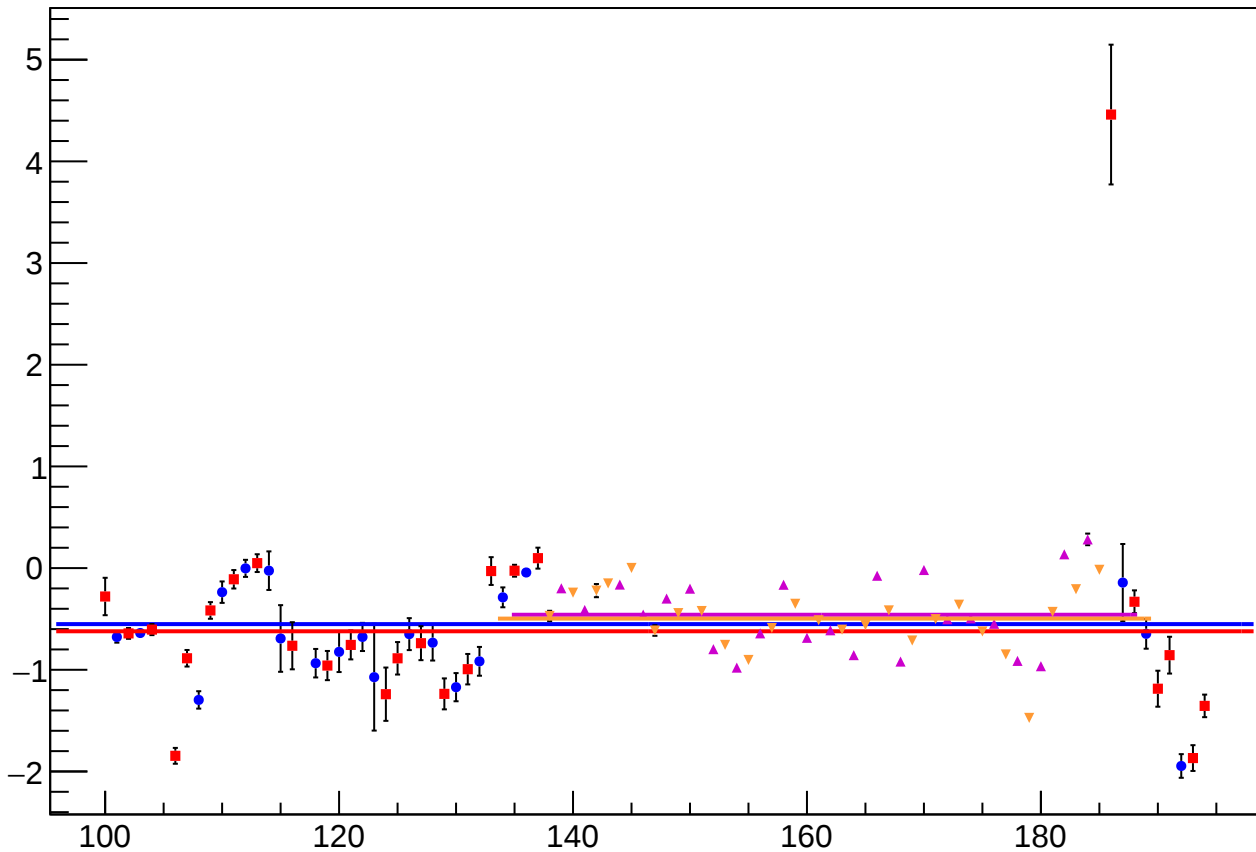
Left In: 69.387 ± 0.170 χ^2/NDF : 3321.8/22

+ sign 70.711 ± 0.155 χ^2/NDF : 9418.3/44

All: 70.071 ± 0.110 χ^2/NDF : 18640.4/92

- sign 69.405 ± 0.158 χ^2/NDF : 9187.1/47

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.551 ± 0.022 χ^2/NDF : 453.1/19

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.621 ± 0.020 χ^2/NDF : 781.6/24

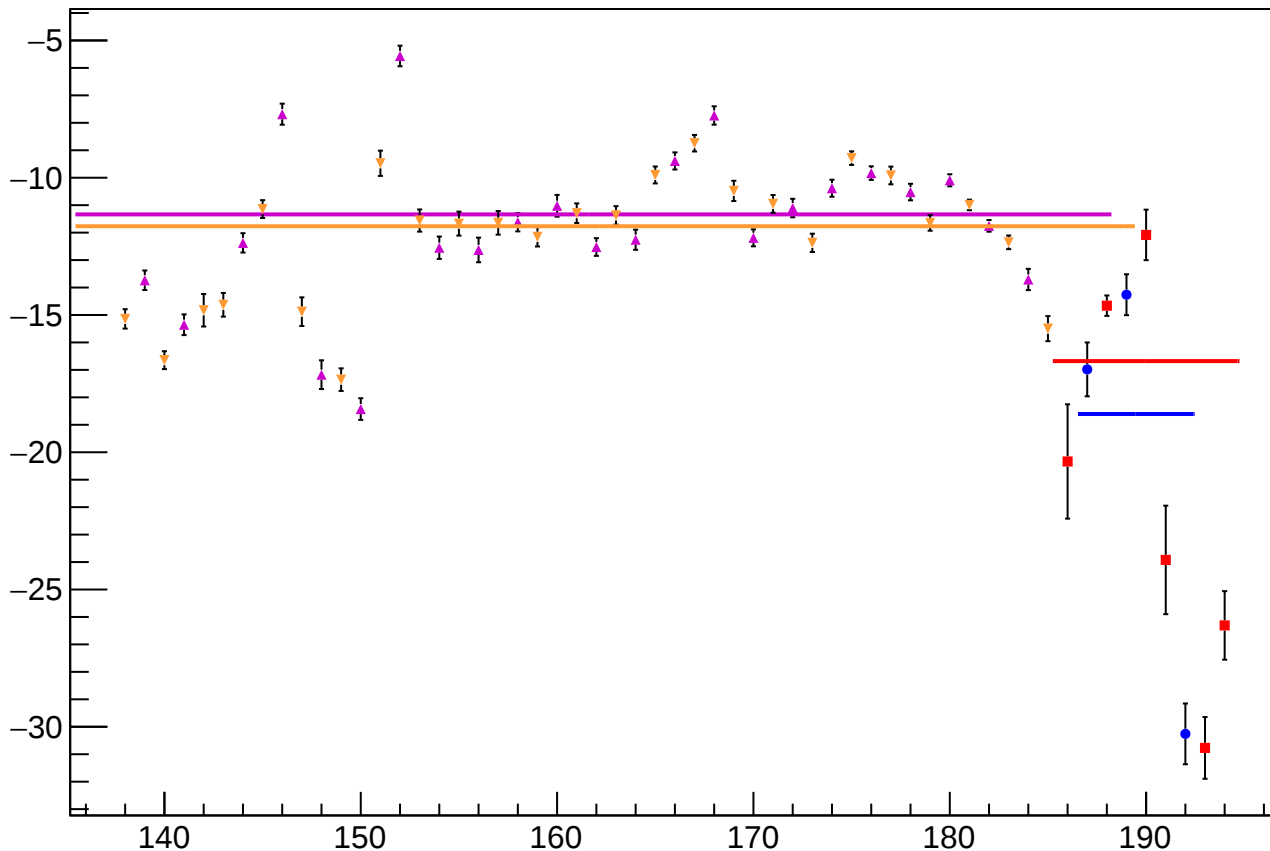
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.503 ± 0.007 χ^2/NDF : 1907.9/44

All: -0.491 ± 0.005 χ^2/NDF : 4709.7/92

- sign -0.480 ± 0.007 χ^2/NDF : 2796.7/47

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -18.607 ± 0.523 χ^2/NDF : 147.6/2

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -16.680 ± 0.311 χ^2/NDF : 287.2/5

Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -11.876 ± 0.066 χ^2/NDF : 1336.8/27

All: -11.729 ± 0.047 χ^2/NDF : 3184.6/56

- sign -11.579 ± 0.066 χ^2/NDF : 1837.7/28

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.480 ± 0.148 χ^2/NDF : 1533.8/19

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -34.831 ± 0.141 χ^2/NDF : 2064.3/24

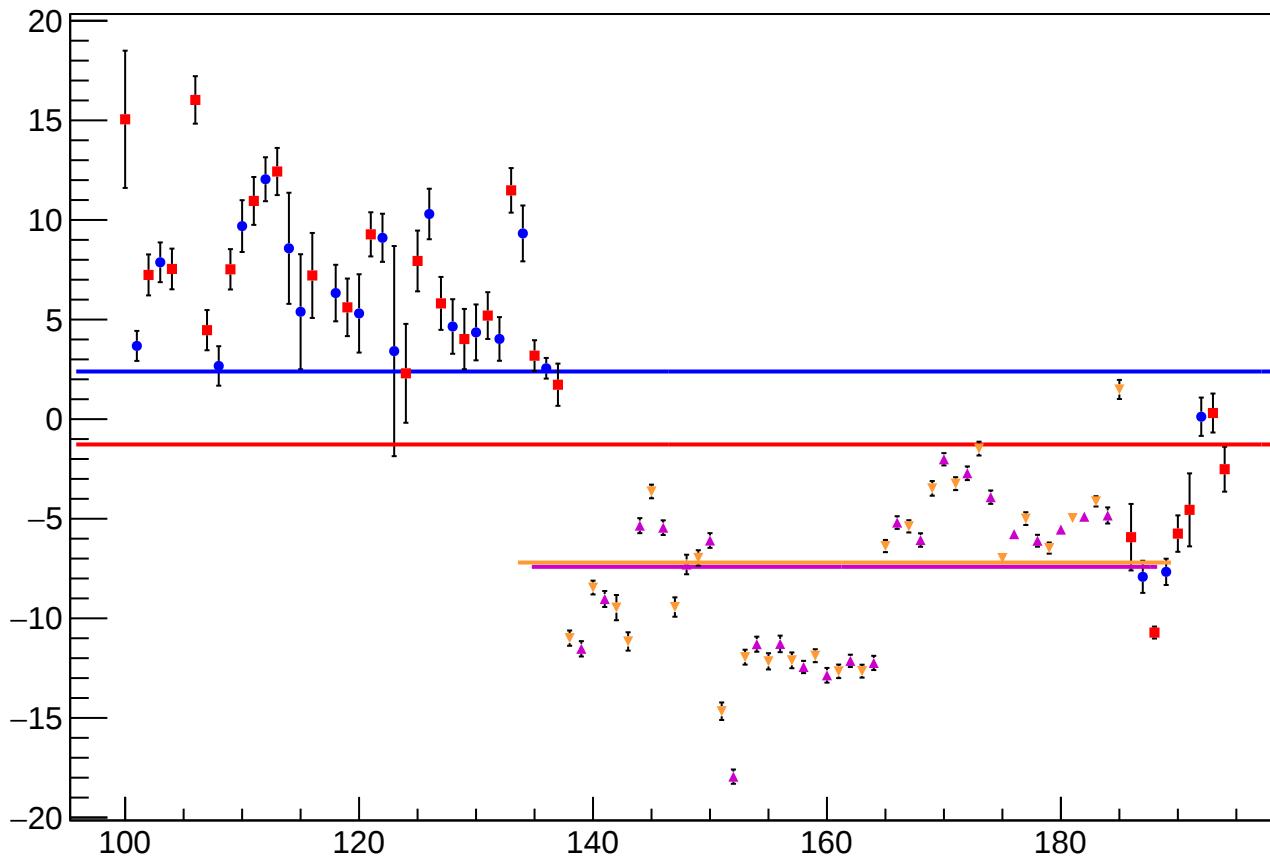
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.714 ± 0.051 χ^2/NDF : 3006.4/44

All: -30.733 ± 0.036 χ^2/NDF : 7257.1/92

- sign -30.752 ± 0.052 χ^2/NDF : 4250.4/47

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 2.392 ± 0.232 χ^2/NDF : 659.7/19

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -1.272 ± 0.189 χ^2/NDF : 2158.3/24

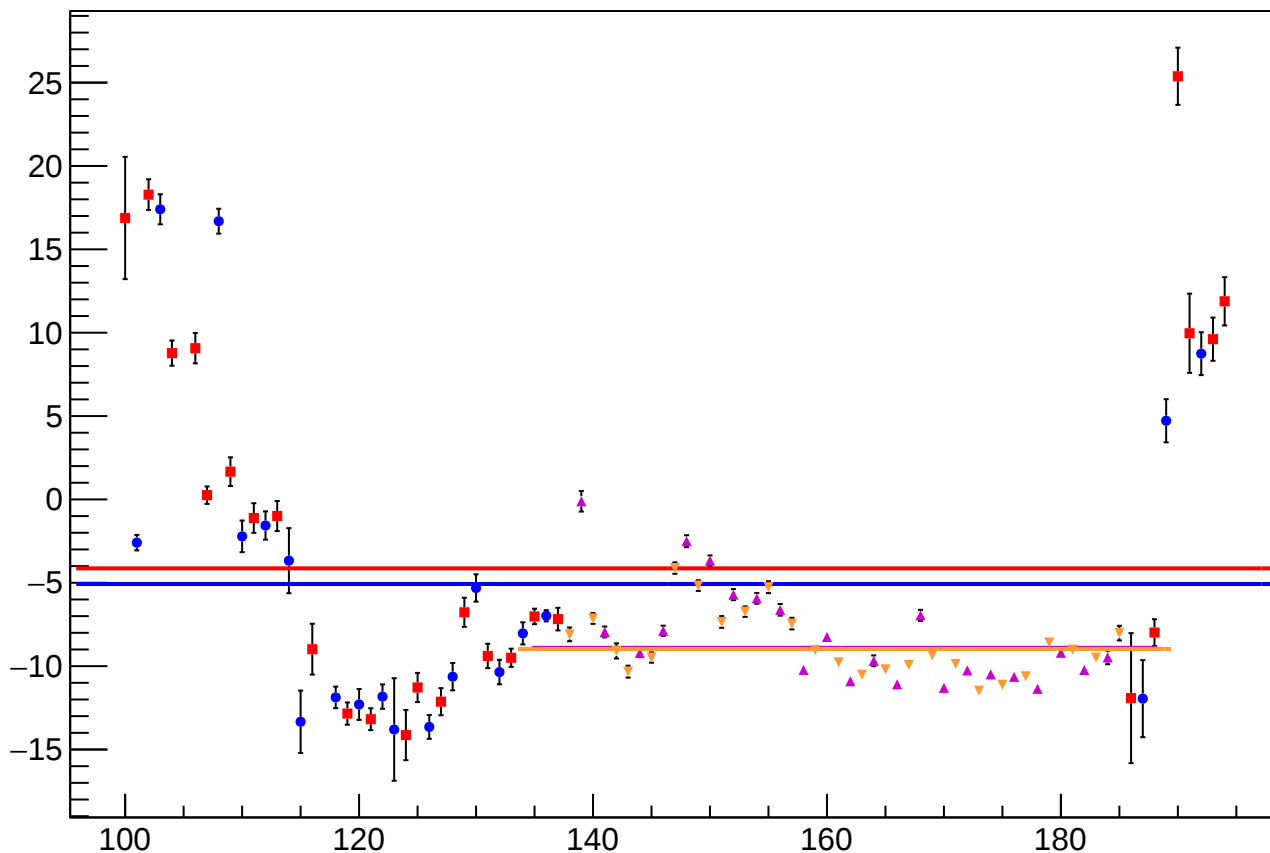
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.464 ± 0.064 χ^2/NDF : 5273.5/44

All: -6.589 ± 0.045 χ^2/NDF : 11499.2/92

- sign -6.713 ± 0.064 χ^2/NDF : 6218.1/47

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.073+/-0.168 χ^2/NDF : 2283.3/19

Left Out: -8.970+/-0.060 χ^2/NDF : 878.8/24

Right Out: -4.134+/-0.165 χ^2/NDF : 2655.5/24

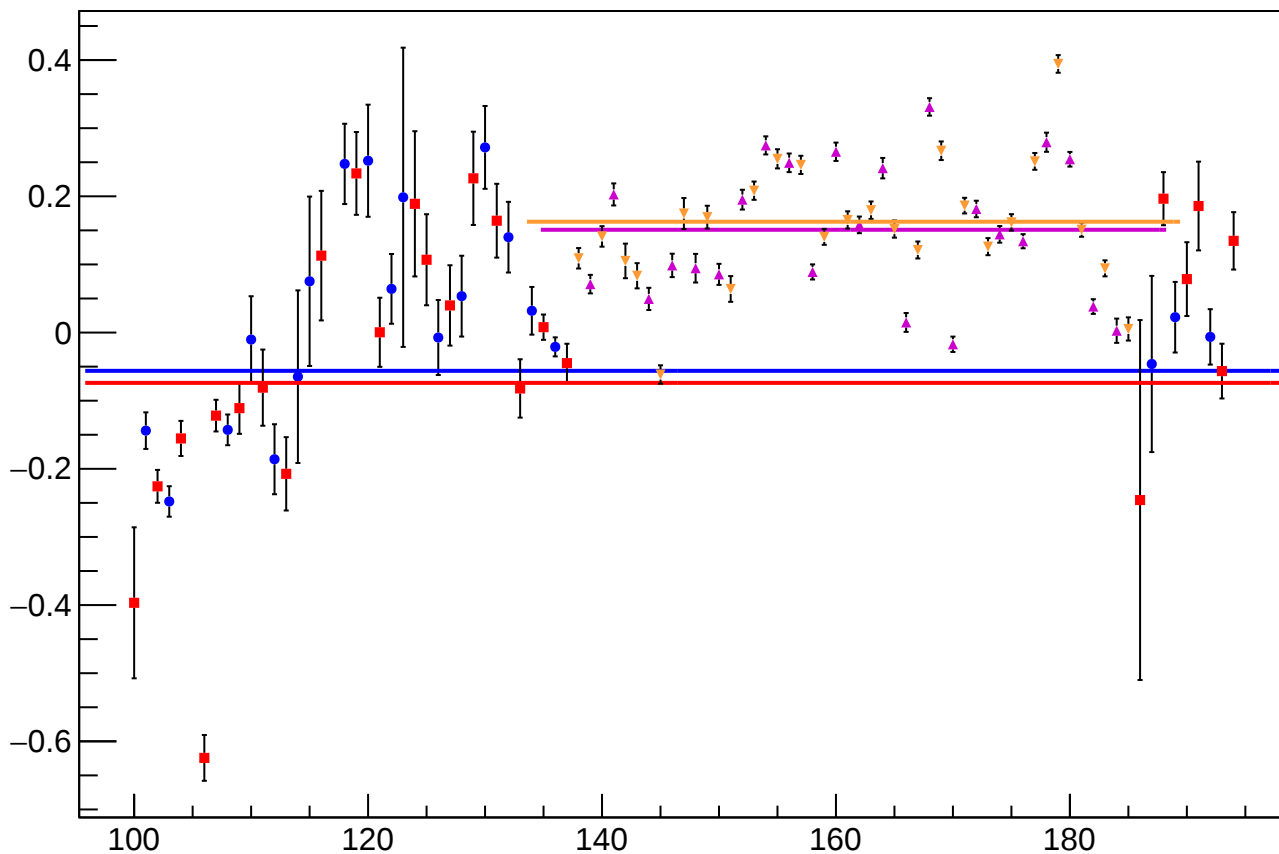
Left In: -8.900+/-0.062 χ^2/NDF : 1533.9/22

+ sign -8.525+/-0.057 χ^2/NDF : 3640.6/44

All: -8.424+/-0.040 χ^2/NDF : 8565.9/92

- sign -8.319+/-0.058 χ^2/NDF : 4918.8/47

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.056 $\pm$ 0.008 χ^2 /NDF: 218.6/19

Left Out: 0.163 $\pm$ 0.003 χ^2 /NDF:1018.1/24

Right Out: -0.074 $\pm$ 0.008 χ^2 /NDF: 542.5/24

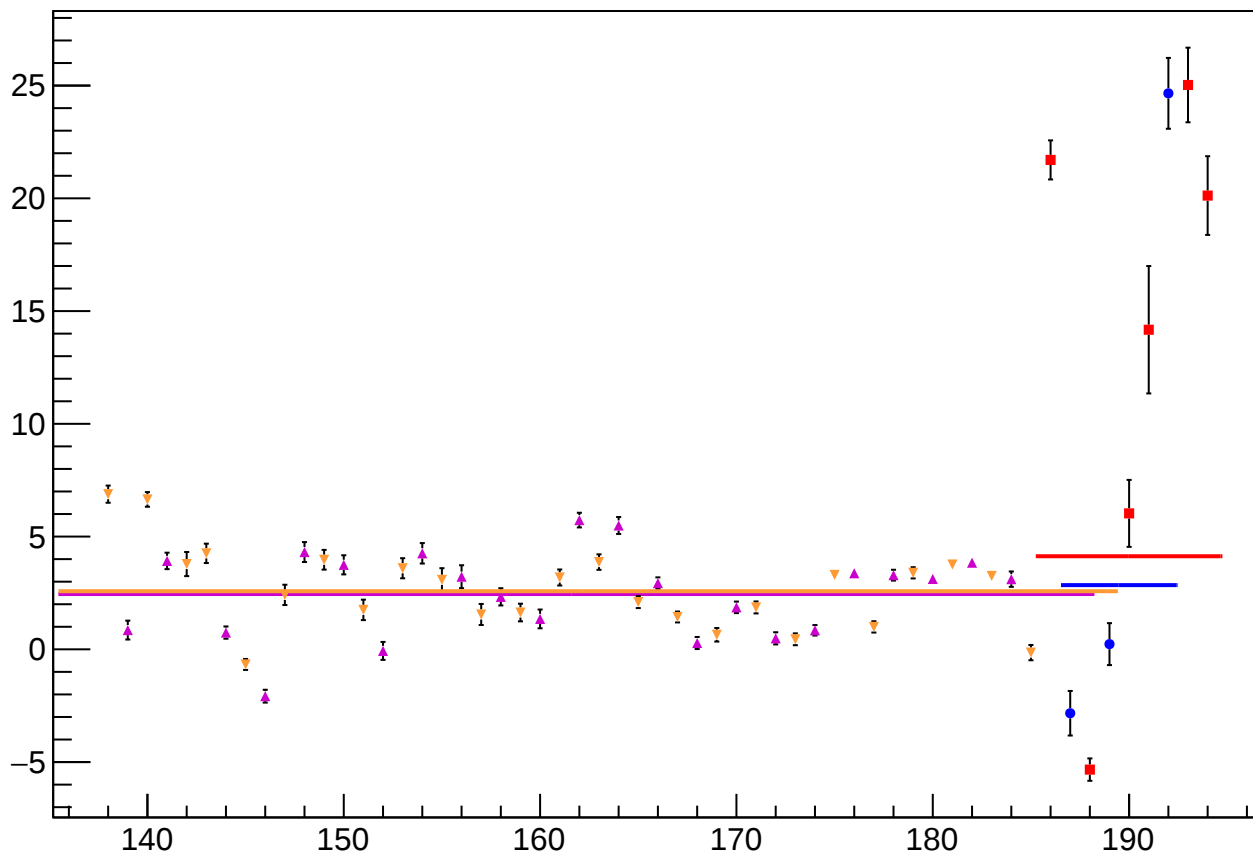
Left In: 0.151 $\pm$ 0.003 χ^2 /NDF:1286.5/22

+ sign 0.141 $\pm$ 0.003 χ^2 /NDF: 1890.2/44

All: 0.133 $\pm$ 0.002 χ^2 /NDF: 4473.6/92

- sign 0.126 $\pm$ 0.003 χ^2 /NDF: 2567.3/47

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 2.848 ± 0.622 χ^2/NDF : 233.7/2

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 4.128 ± 0.387 χ^2/NDF : 1032.6/5

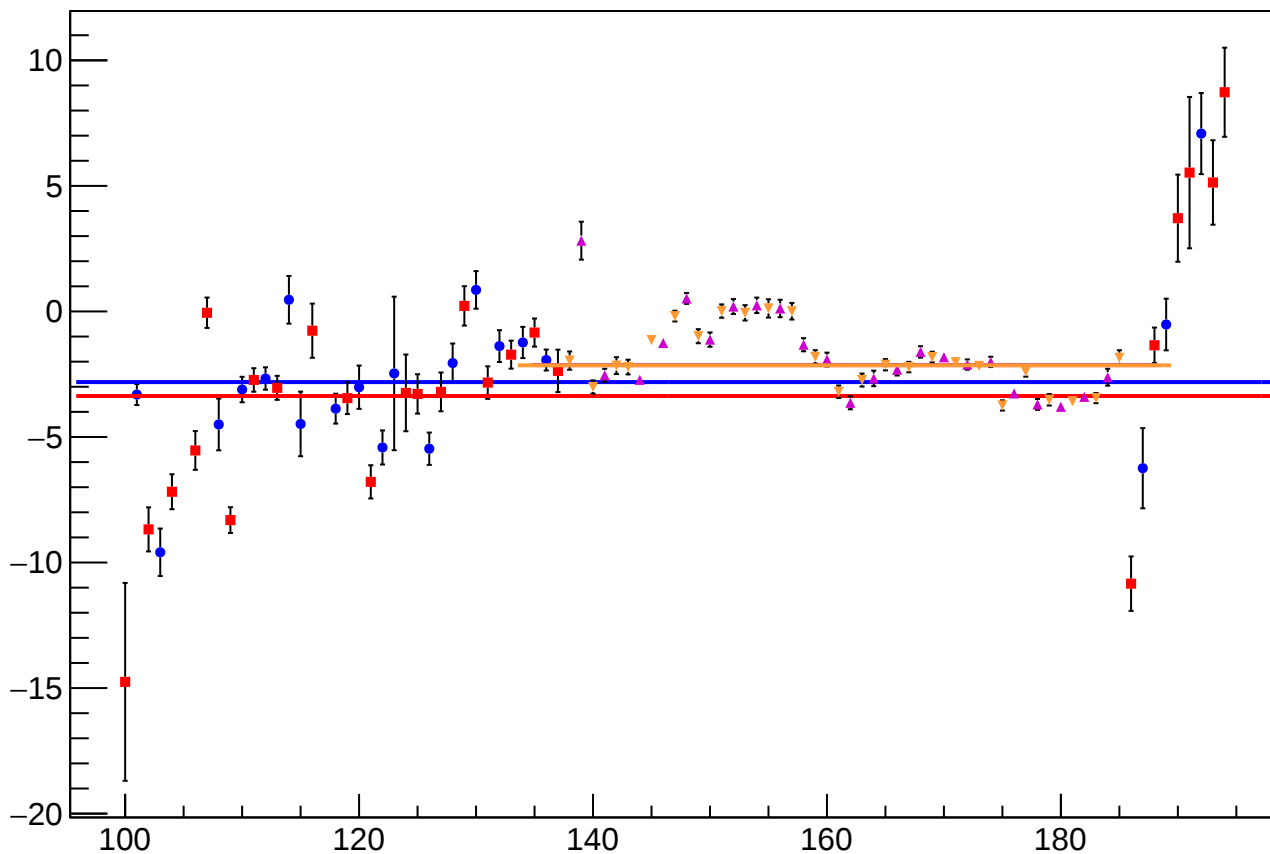
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.579 ± 0.058 χ^2/NDF : 1101.4/27

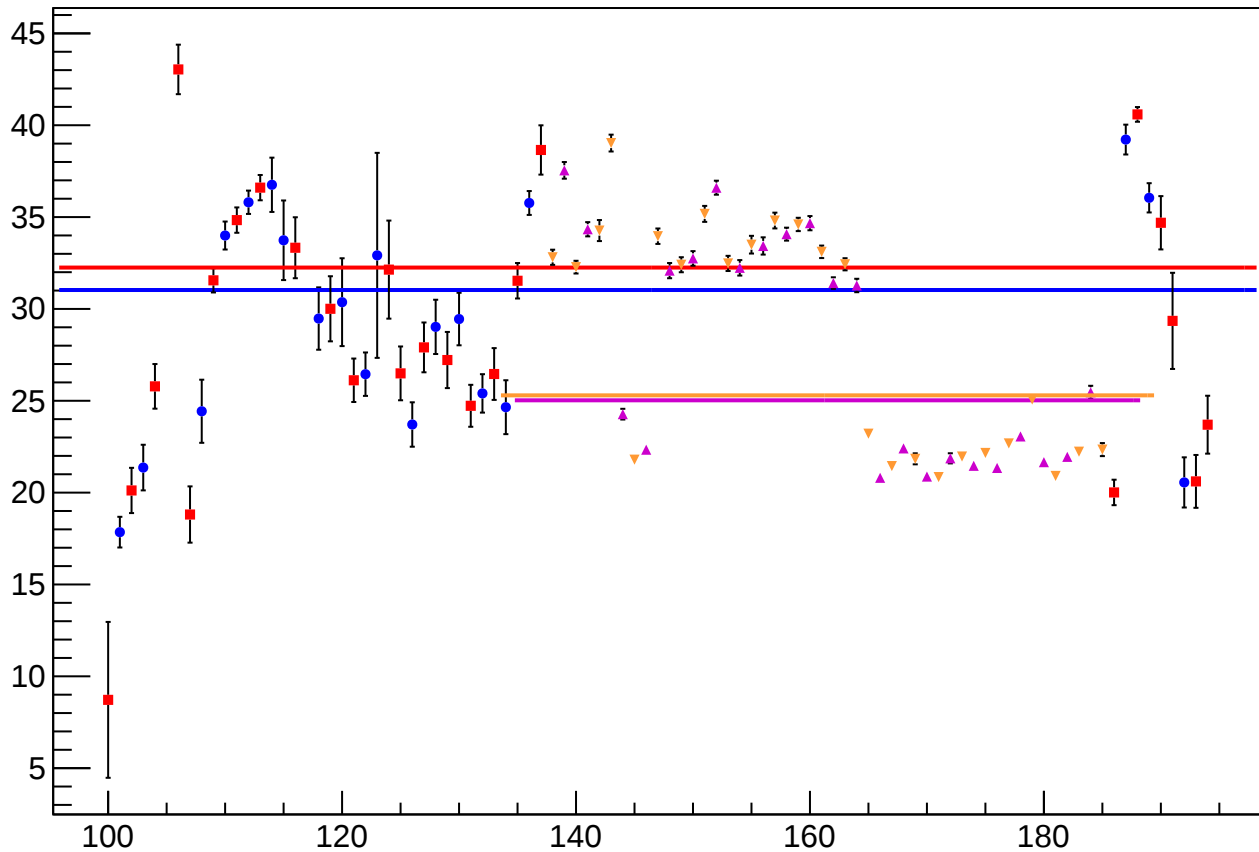
All: 2.535 ± 0.041 χ^2/NDF : 3024.7/56

- sign 2.491 ± 0.059 χ^2/NDF : 1922.2/28

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 31.030 $\pm$ 0.239 χ^2 /NDF: 769.7/19

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 32.252 $\pm$ 0.202 χ^2 /NDF: 1346.4/24

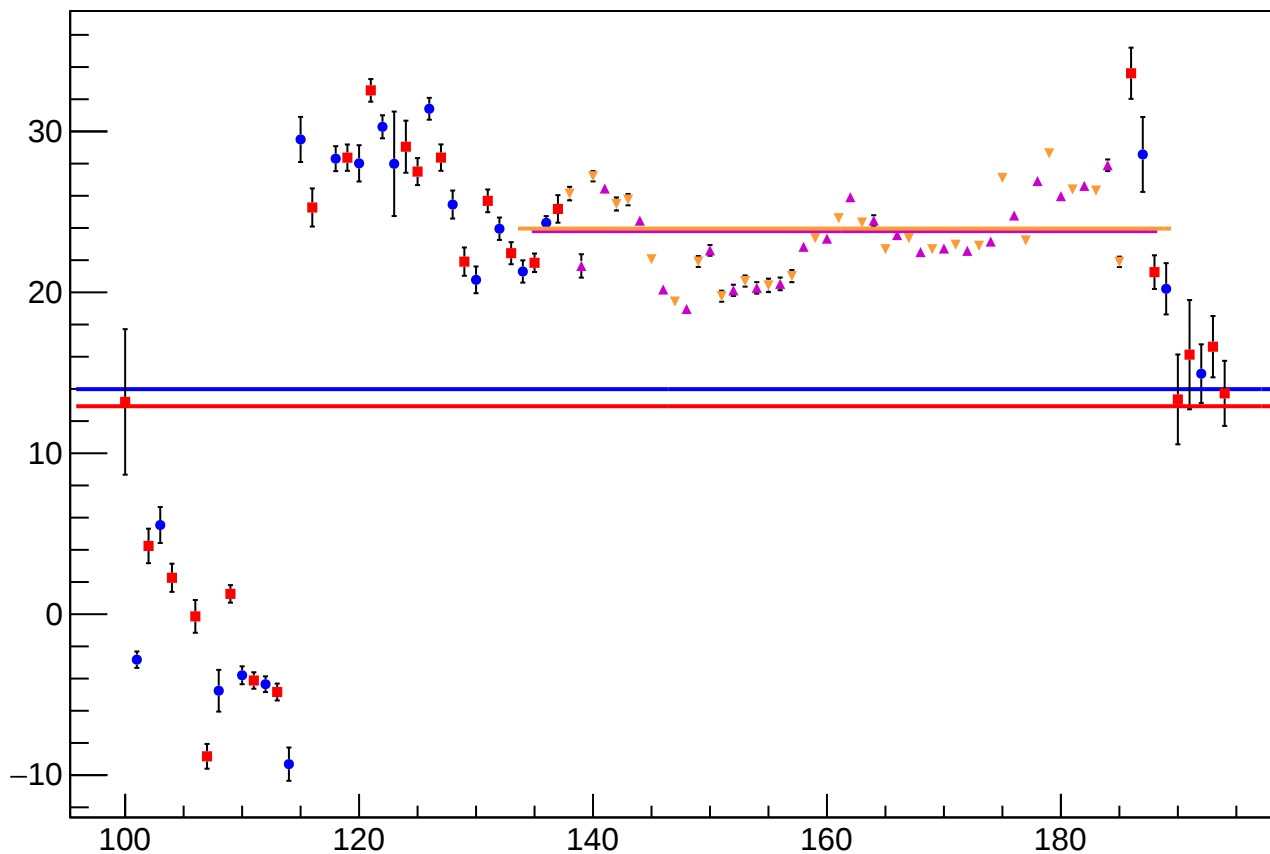
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.625 $\pm$ 0.057 χ^2 /NDF: 9586.7/44

All: 25.615 $\pm$ 0.040 χ^2 /NDF: 19724.3/92

- sign 25.606 $\pm$ 0.057 χ^2 /NDF: 10137.5/47

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.985 $\pm$ 0.171 χ^2 /NDF: 7330.5/19

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.924 $\pm$ 0.169 χ^2 /NDF: 7199.2/24

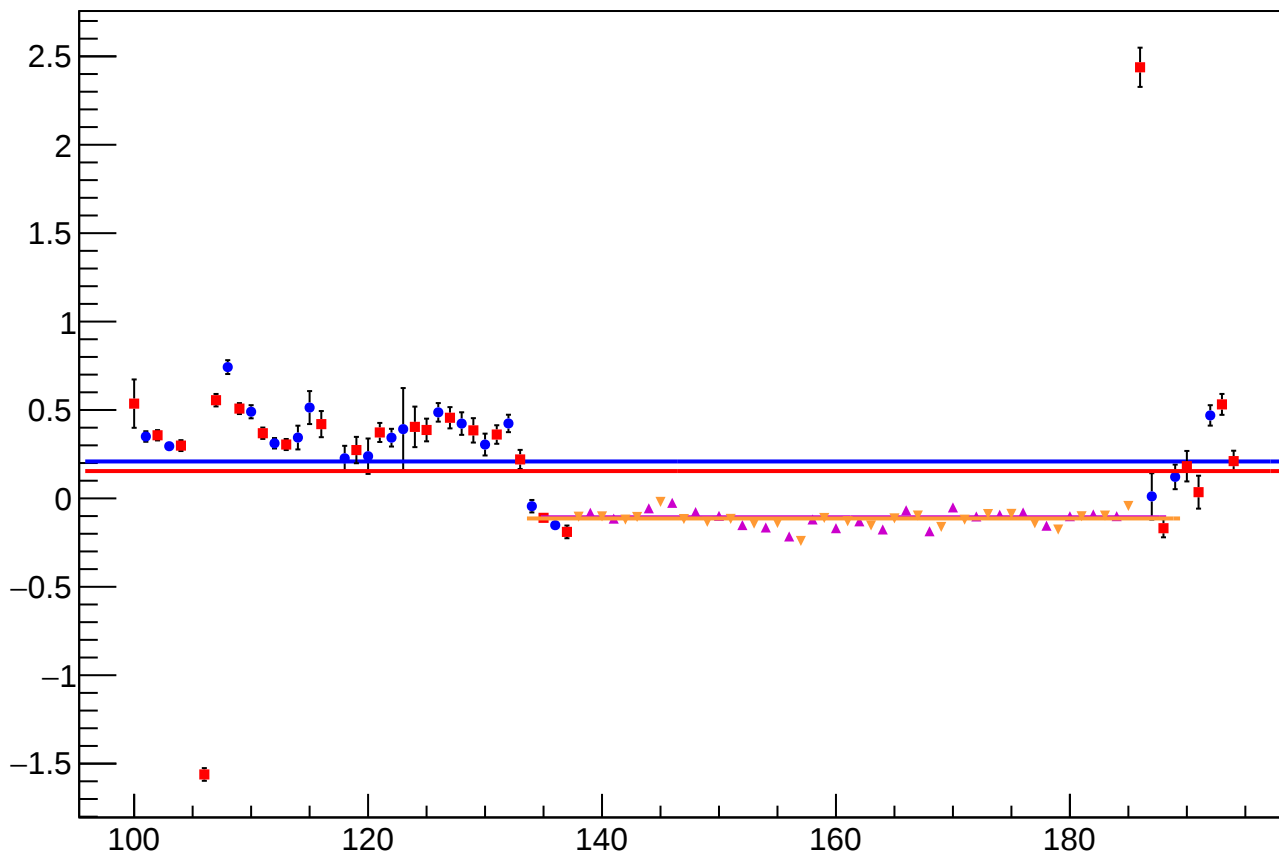
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.081 $\pm$ 0.051 χ^2 /NDF: 12364.2/44

All: 22.939 $\pm$ 0.036 χ^2 /NDF: 25107.8/92

- sign 22.794 $\pm$ 0.051 χ^2 /NDF: 12727.8/47

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.209 ± 0.009 χ^2/NDF : 870.8/19

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.155 ± 0.009 χ^2/NDF : 3522.6/24

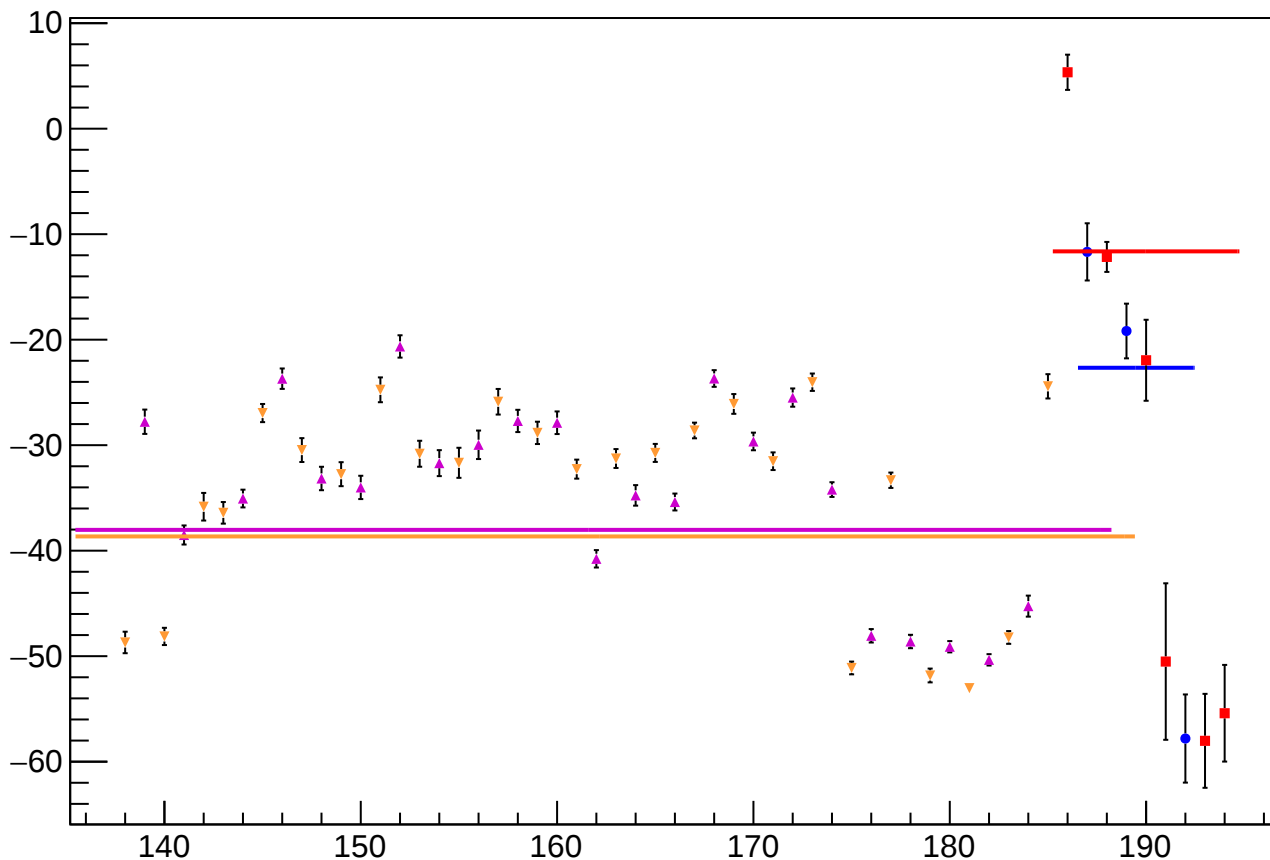
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.092 ± 0.002 χ^2/NDF : 2319.3/44

All: -0.090 ± 0.002 χ^2/NDF : 6991.1/92

- sign -0.088 ± 0.002 χ^2/NDF : 4669.7/47

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.662 $\pm$ 1.710 χ^2 /NDF: 89.0/2

Left Out: -38.650 $\pm$ 0.169 χ^2 /NDF: 4077.2/24

Right Out: -11.630 $\pm$ 0.981 χ^2 /NDF: 338.2/5

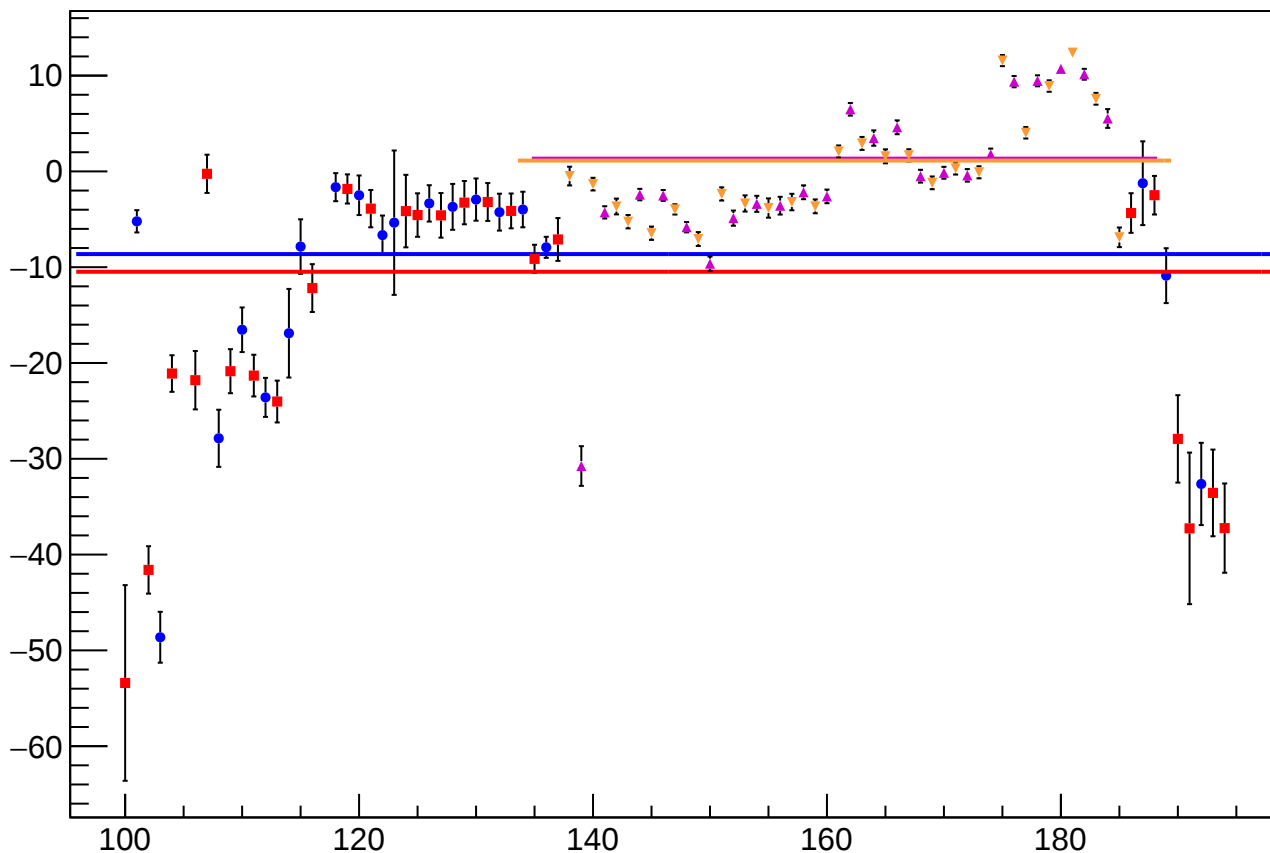
Left In: -38.027 $\pm$ 0.173 χ^2 /NDF: 3091.9/22

+ sign -38.495 $\pm$ 0.168 χ^2 /NDF: 4252.8/27

All: -37.871 $\pm$ 0.120 χ^2 /NDF: 8412.3/56

- sign -37.230 $\pm$ 0.171 χ^2 /NDF: 4131.7/28

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.632 ± 0.455 χ^2/NDF : 443.5/19

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -10.477 ± 0.458 χ^2/NDF : 539.5/24

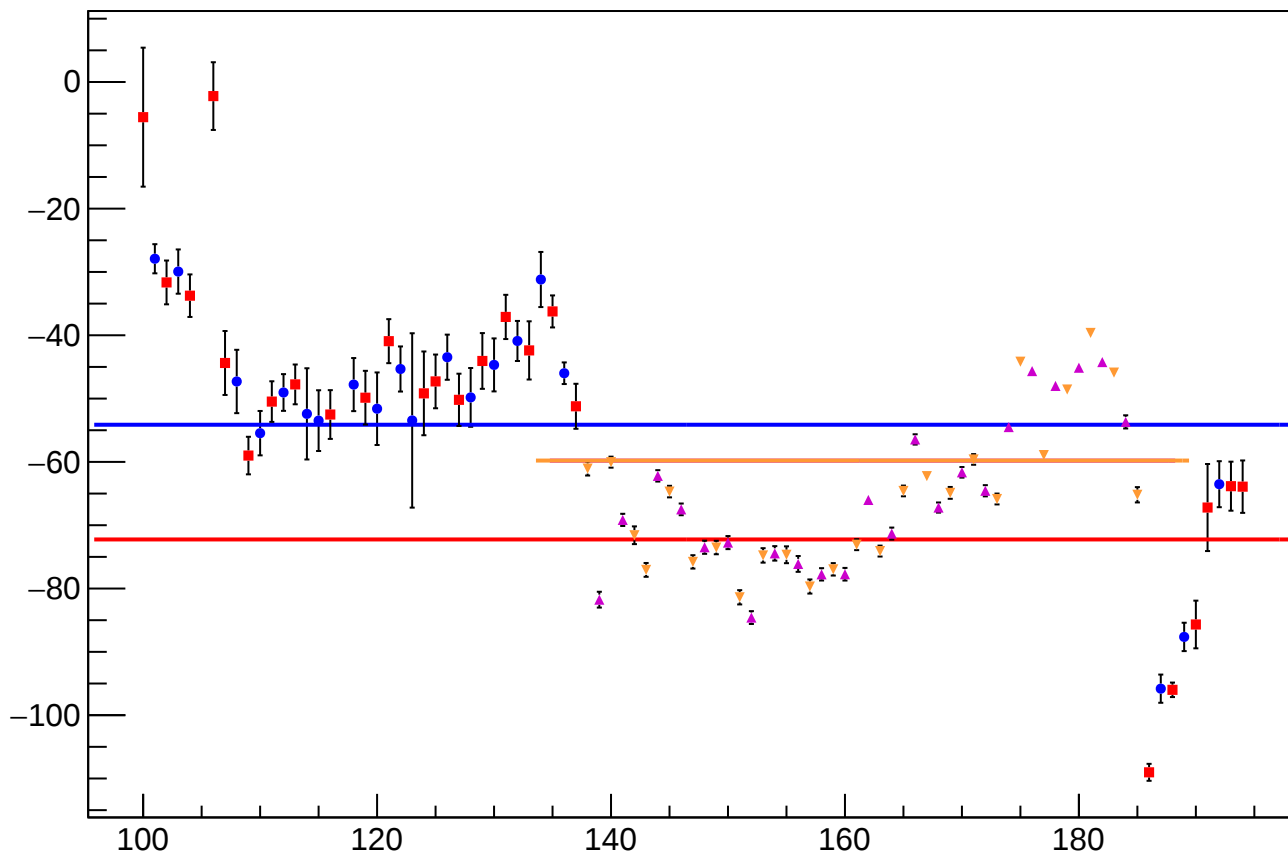
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.331 ± 0.130 χ^2/NDF : 2664.7/44

All: 0.326 ± 0.093 χ^2/NDF : 5861.1/92

- sign 0.321 ± 0.134 χ^2/NDF : 3196.3/47

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -54.131 ± 0.726 $\chi^2/\text{NDF}: 855.1/19$

Left Out: -59.789 ± 0.170 $\chi^2/\text{NDF}: 5837.7/24$

Right Out: -72.248 ± 0.591 $\chi^2/\text{NDF}: 2474.5/24$

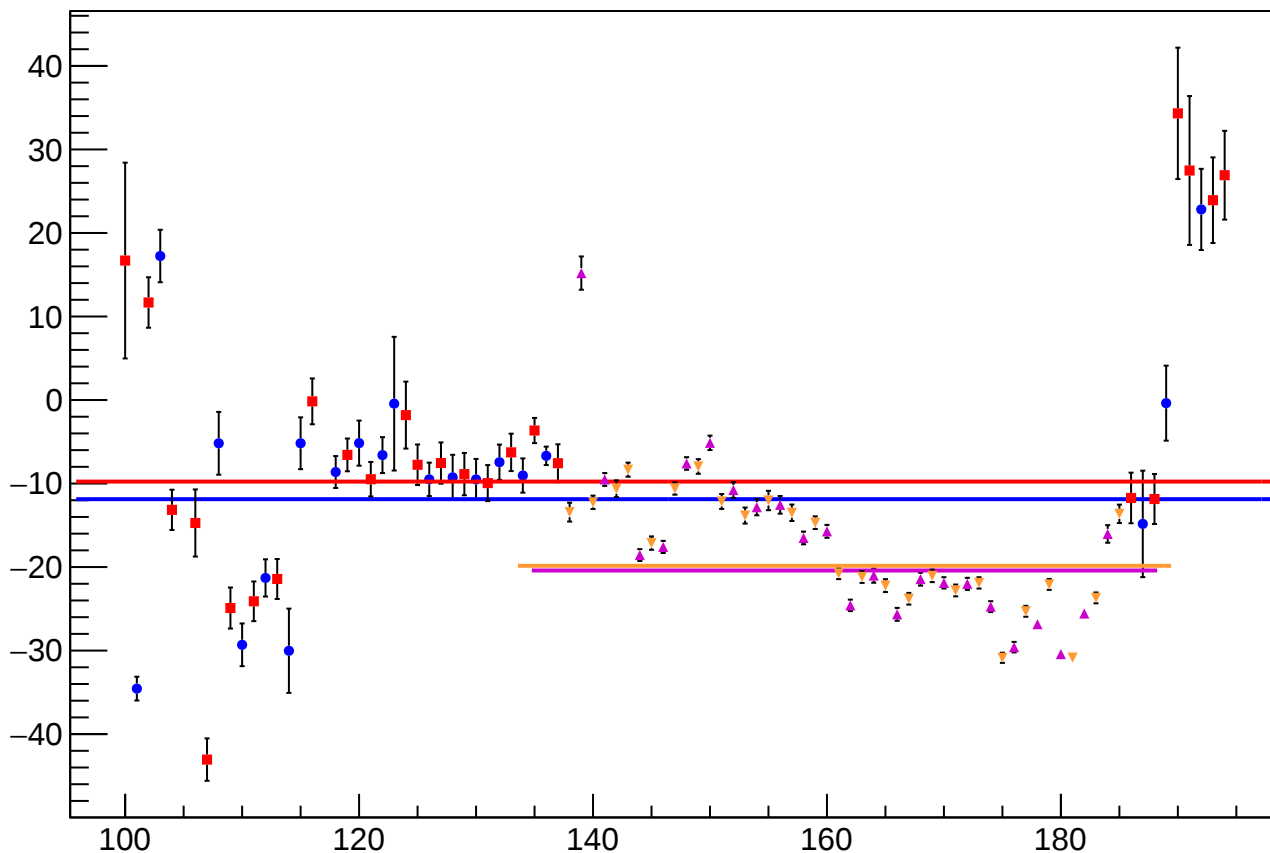
Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

+ sign -59.494 ± 0.166 $\chi^2/\text{NDF}: 6750.4/44$

All: -60.138 ± 0.117 $\chi^2/\text{NDF}: 14881.2/92$

- sign -60.788 ± 0.166 $\chi^2/\text{NDF}: 8100.4/47$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -11.873 ± 0.516 χ^2/NDF : 532.3/19

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -9.765 ± 0.529 χ^2/NDF : 510.0/24

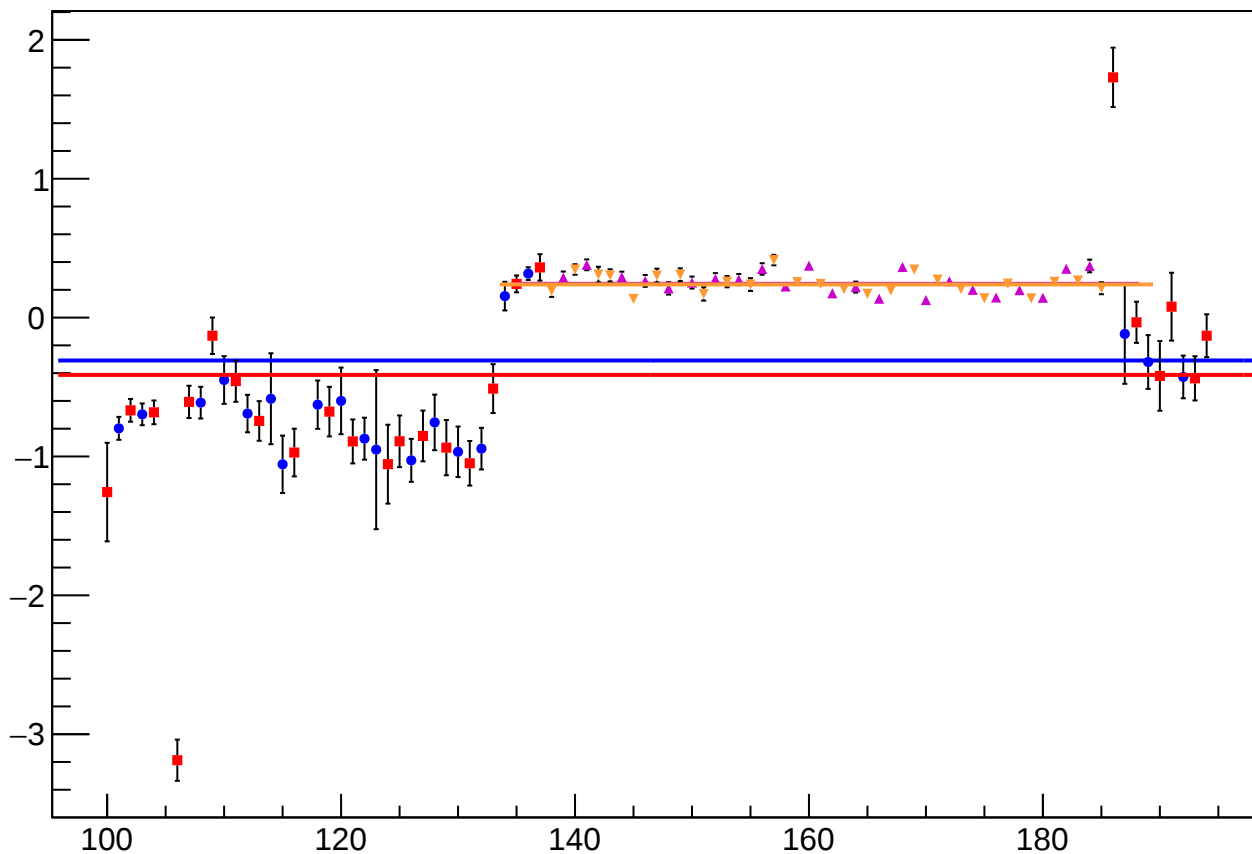
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.204 ± 0.146 χ^2/NDF : 2683.5/44

All: -19.373 ± 0.105 χ^2/NDF : 5870.5/92

- sign -19.552 ± 0.150 χ^2/NDF : 3184.3/47

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.309 ± 0.027 χ^2/NDF : 372.6/19

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.413 ± 0.027 χ^2/NDF : 747.8/24

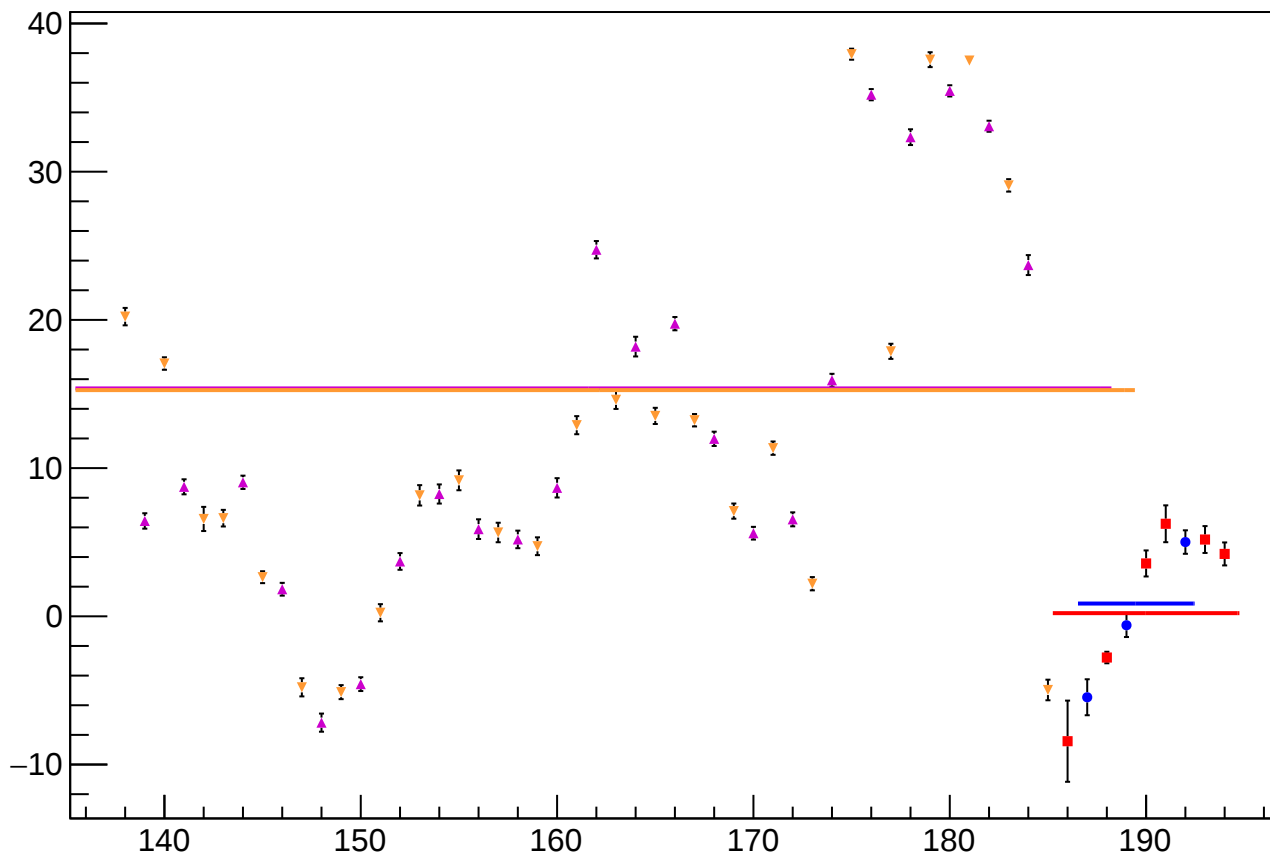
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.204 ± 0.007 χ^2/NDF : 855.9/44

All: 0.201 ± 0.005 χ^2/NDF : 2304.9/92

- sign 0.199 ± 0.007 χ^2/NDF : 1448.8/47

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.862 ± 0.510 χ^2/NDF : 57.9/2

Left Out: 15.263 ± 0.100 χ^2/NDF : 19175.2/24

Right Out: 0.214 ± 0.294 χ^2/NDF : 163.9/5

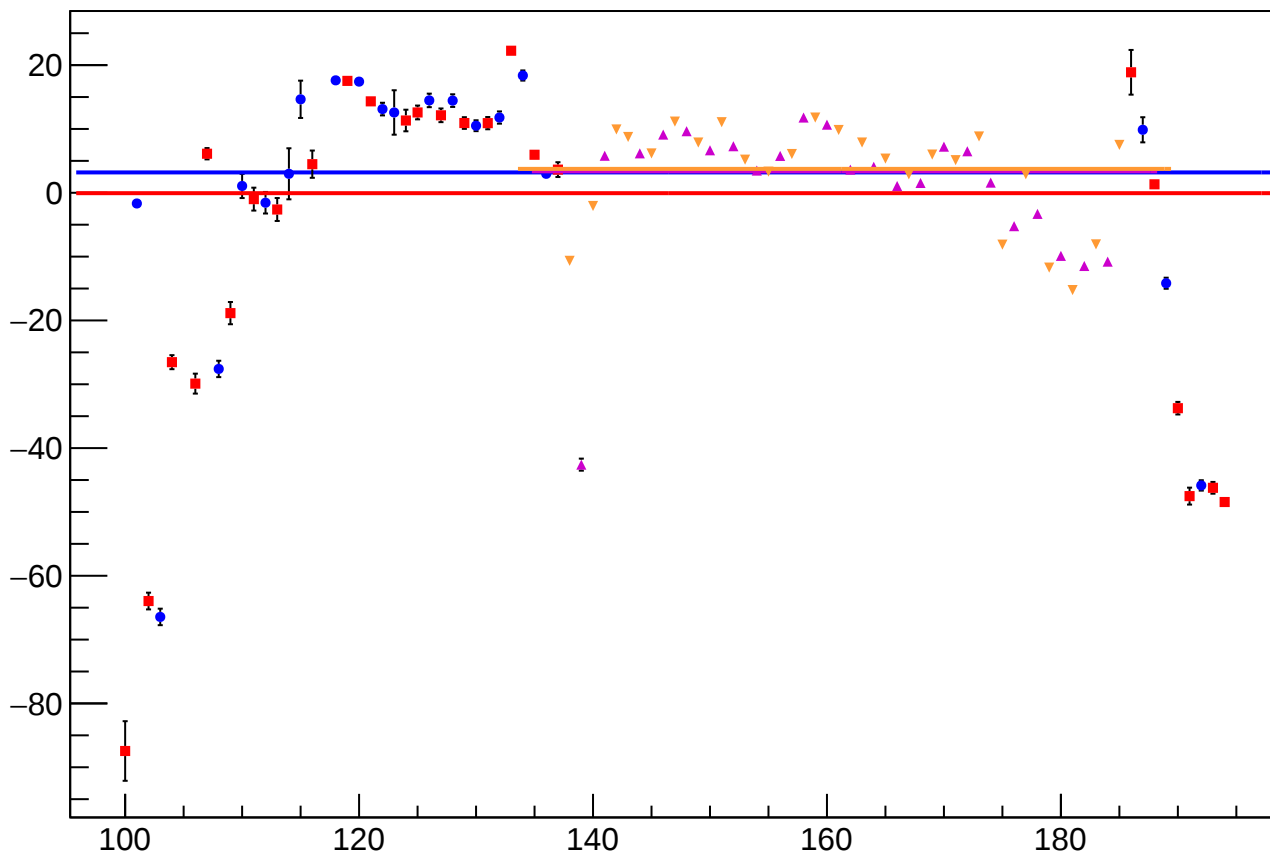
Left In: 15.377 ± 0.103 χ^2/NDF : 16268.9/22

+ sign 14.724 ± 0.099 χ^2/NDF : 20001.8/27

All: 14.217 ± 0.069 χ^2/NDF : 38857.1/56

- sign 13.726 ± 0.097 χ^2/NDF : 18803.3/28

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 3.190 ± 0.204 χ^2/NDF : 9777.5/19

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -0.061 ± 0.184 χ^2/NDF : 17098.1/24

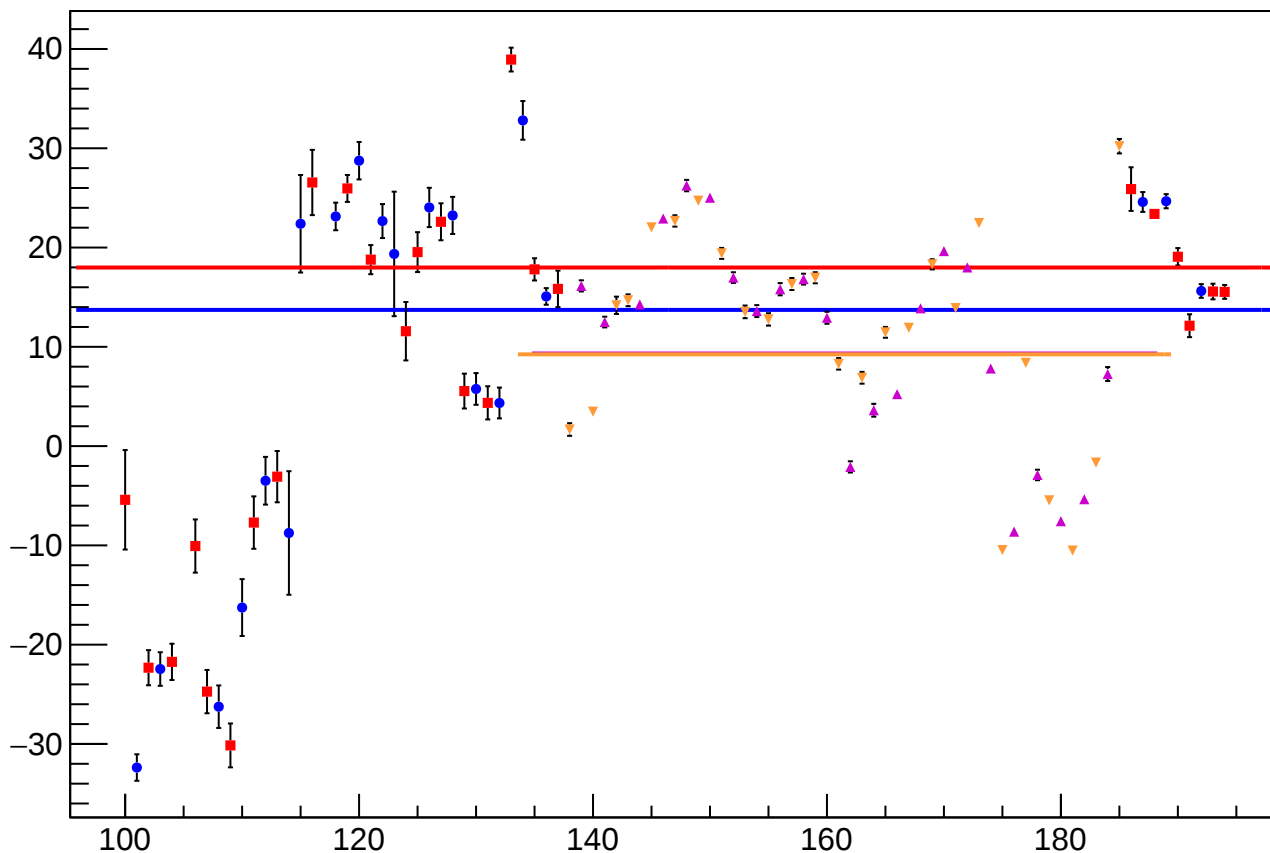
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 3.673 ± 0.073 χ^2/NDF : 19031.4/44

All: 3.246 ± 0.052 χ^2/NDF : 45014.6/92

- sign 2.807 ± 0.074 χ^2/NDF : 25914.6/47

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.720 ± 0.305 χ^2/NDF : 2886.7/19

Left Out: 9.242 ± 0.101 χ^2/NDF : 13633.2/24

Right Out: 17.988 ± 0.215 χ^2/NDF : 2975.5/24

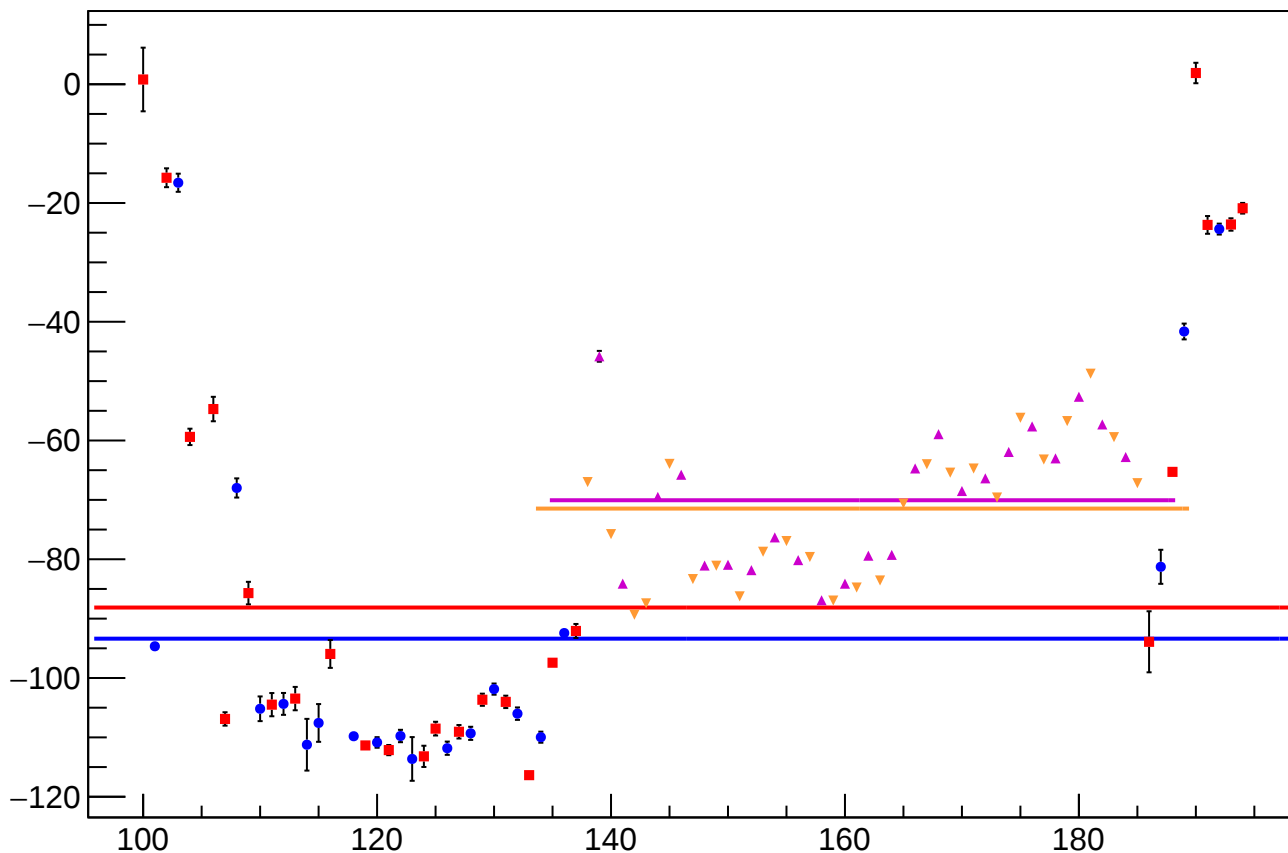
Left In: 9.328 ± 0.103 χ^2/NDF : 11968.5/22

+ sign 9.685 ± 0.096 χ^2/NDF : 16714.4/44

All: 10.333 ± 0.067 χ^2/NDF : 33072.1/92

- sign 10.937 ± 0.093 χ^2/NDF : 16269.1/47

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -93.374 ± 0.237 χ^2/NDF : 12397.9/19

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -88.131 ± 0.219 χ^2/NDF : 24236.4/24

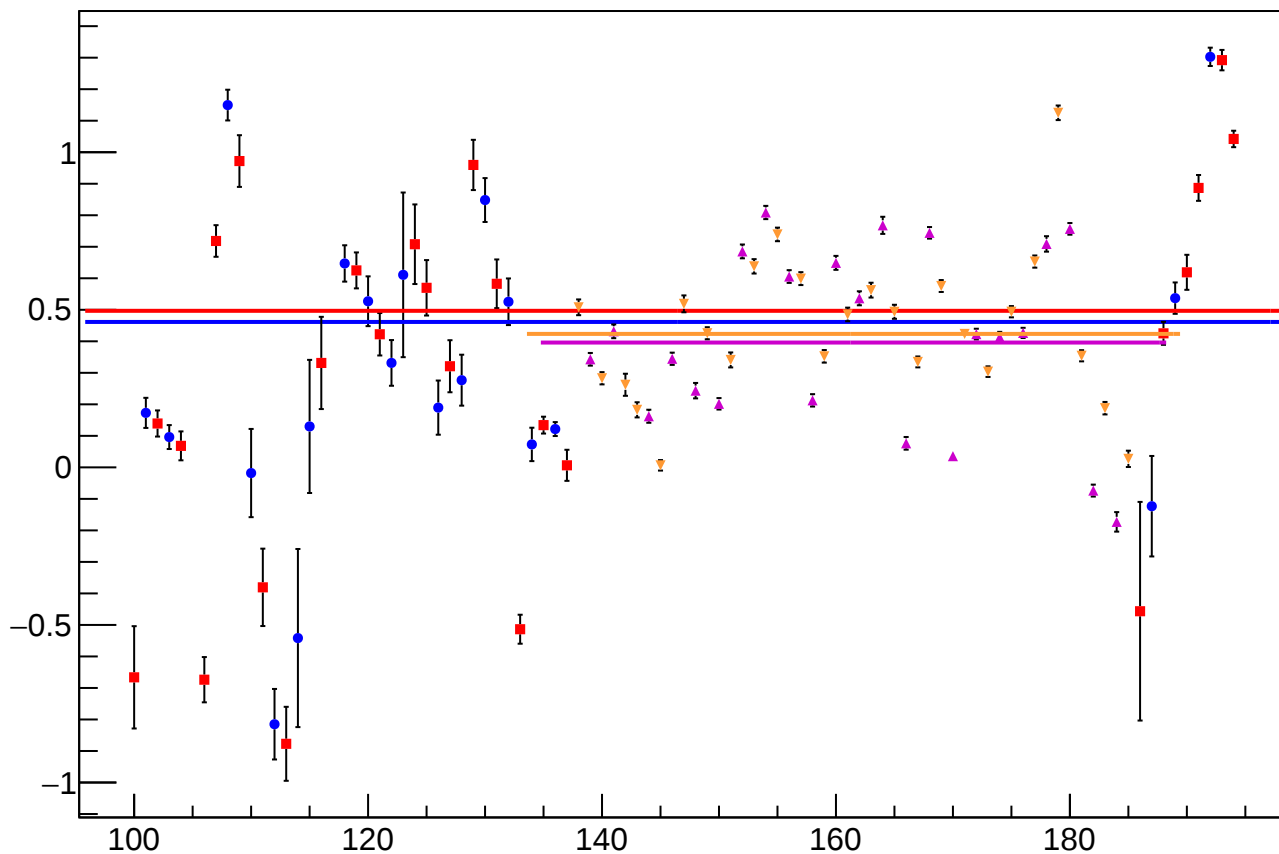
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -74.179 ± 0.084 χ^2/NDF : 36266.0/44

All: -73.478 ± 0.059 χ^2/NDF : 79501.7/92

- sign -72.761 ± 0.085 χ^2/NDF : 43093.4/47

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.461 $\pm$ 0.012 χ^2 /NDF: 1688.4/19

Left Out: 0.424 $\pm$ 0.004 χ^2 /NDF:2885.0/24

Right Out: 0.497 $\pm$ 0.010 χ^2 /NDF: 2682.7/24

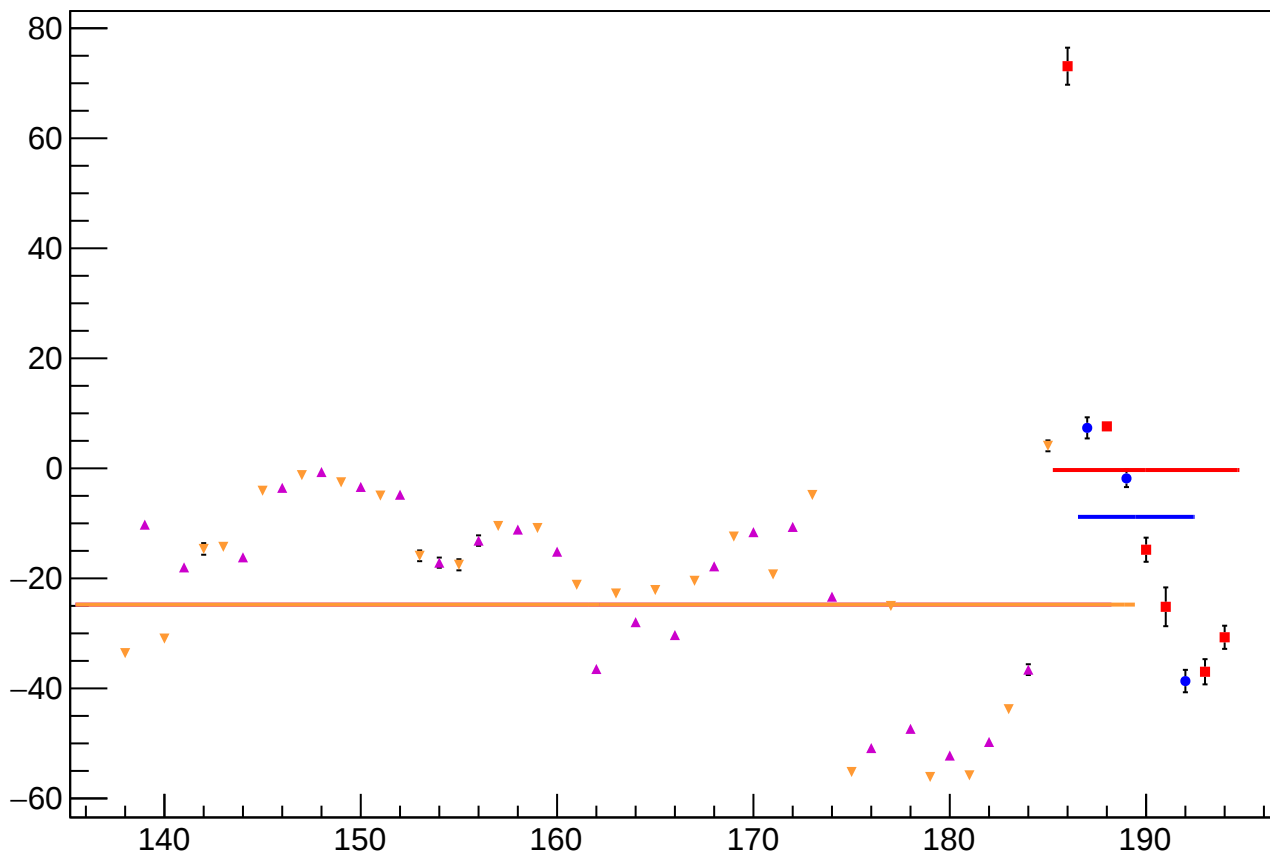
Left In: 0.396 $\pm$ 0.004 χ^2 /NDF:4051.5/22

+ sign 0.428 $\pm$ 0.004 χ^2 /NDF: 4582.4/44

All: 0.419 $\pm$ 0.003 χ^2 /NDF: 11409.8/92

- sign 0.410 $\pm$ 0.004 χ^2 /NDF: 6817.6/47

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -8.818 ± 1.047 χ^2/NDF : 305.1/2

Left Out: -24.769 ± 0.139 χ^2/NDF : 18318.8/24

Right Out: -0.306 ± 0.652 χ^2/NDF : 1130.9/5

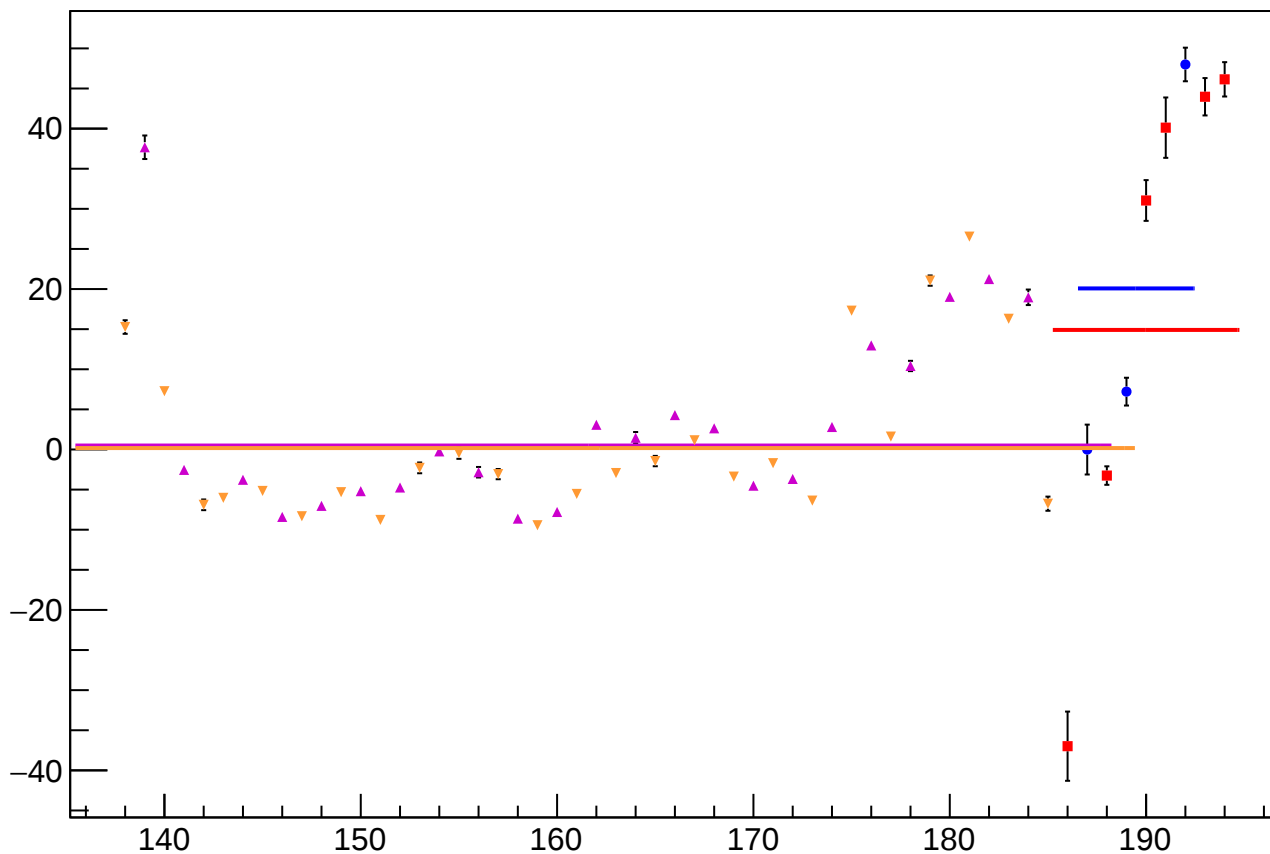
Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -24.491 ± 0.138 χ^2/NDF : 18852.1/27

All: -24.077 ± 0.098 χ^2/NDF : 36152.4/56

- sign -23.655 ± 0.139 χ^2/NDF : 17282.2/28

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 20.078 $\pm$ 1.227 χ^2 /NDF: 274.6/2

Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF: 8295.6/24

Right Out: 14.905 $\pm$ 0.835 χ^2 /NDF: 846.7/5

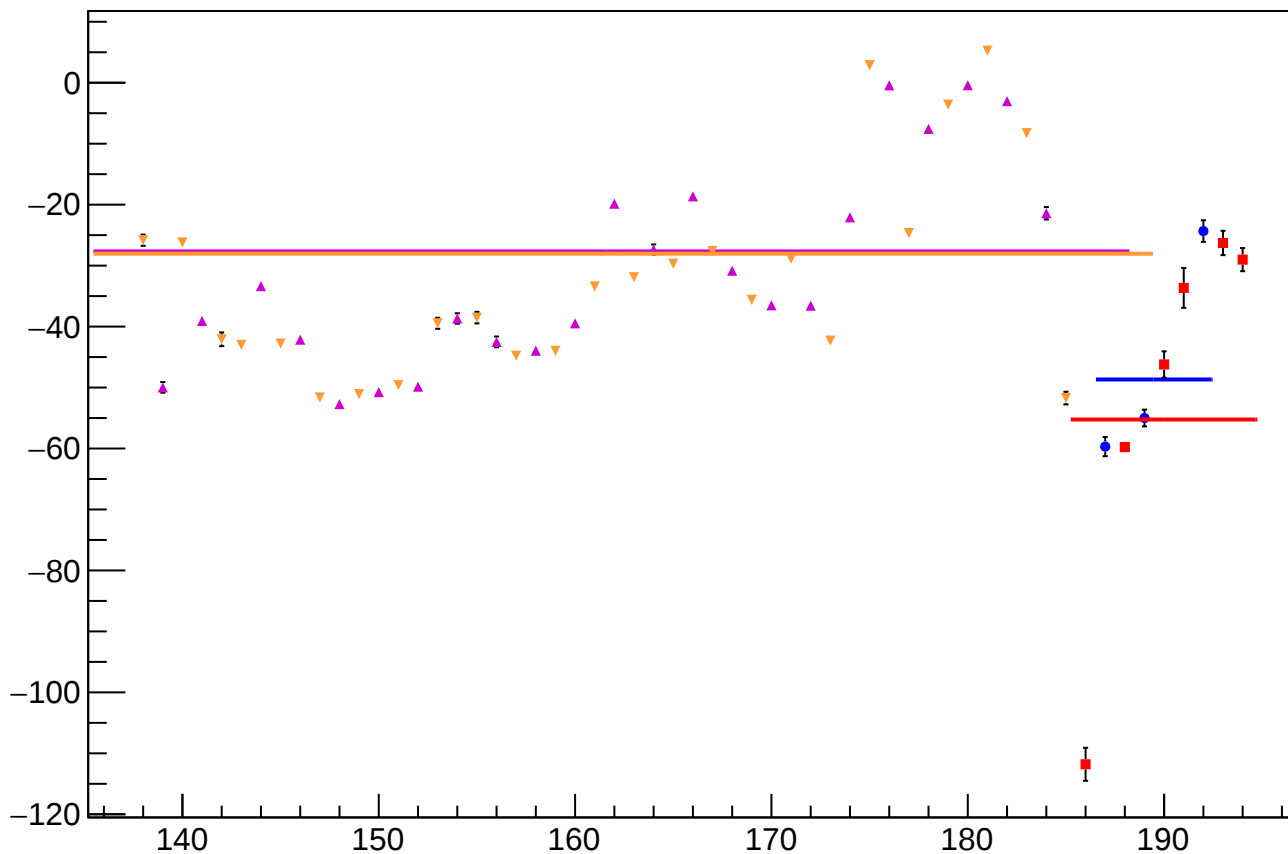
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF: 6555.4/22

+ sign 0.332 $\pm$ 0.108 χ^2 /NDF: 8831.3/27

All: 0.534 $\pm$ 0.077 χ^2 /NDF: 16533.2/56

- sign 0.749 $\pm$ 0.111 χ^2 /NDF: 7694.7/28

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -48.676 ± 0.895 χ^2/NDF : 258.5/2

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -55.244 ± 0.546 χ^2/NDF : 948.0/5

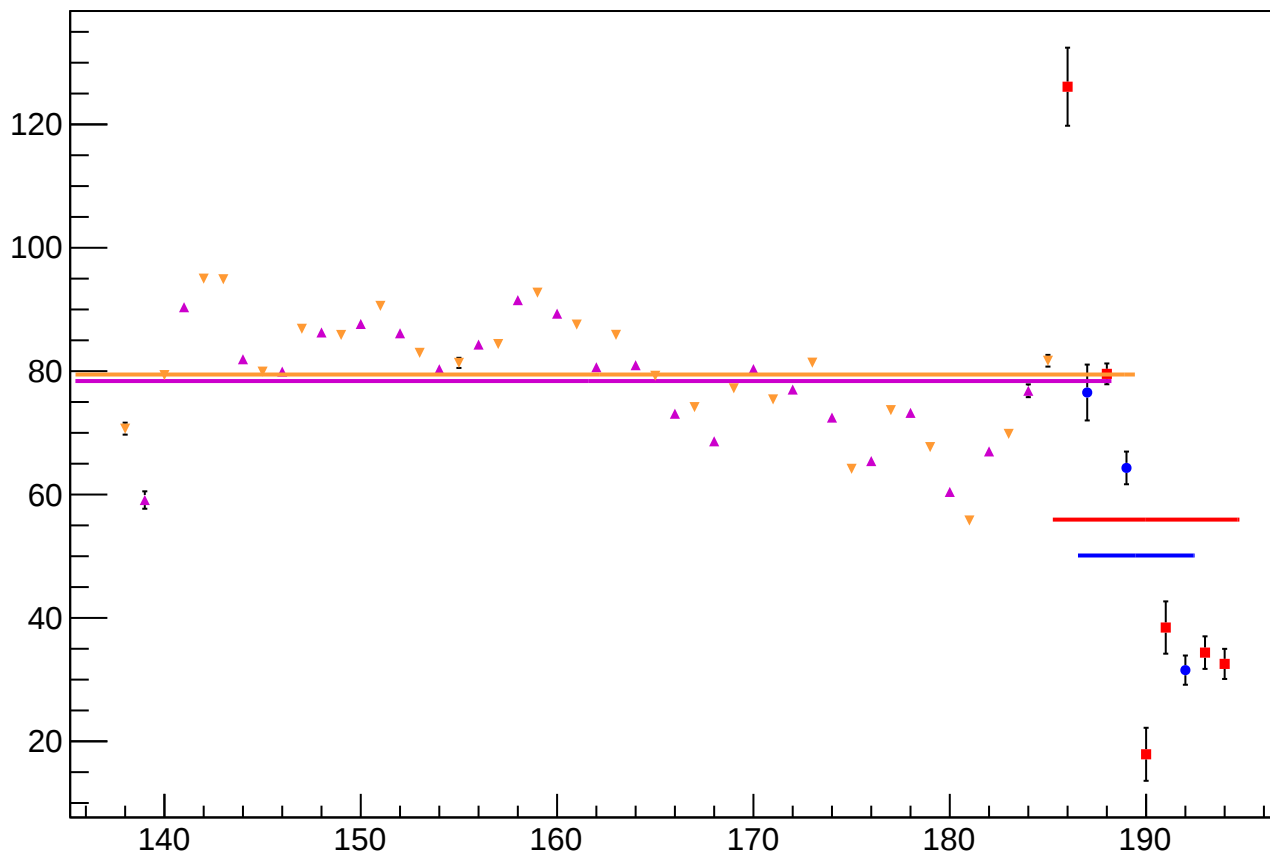
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -28.541 ± 0.138 χ^2/NDF : 17921.3/27

All: -28.985 ± 0.098 χ^2/NDF : 36283.8/56

- sign -29.425 ± 0.138 χ^2/NDF : 18342.0/28

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 50.118 $\pm$ 1.645 χ^2 /NDF: 124.3/2

Left Out: 79.456 $\pm$ 0.123 χ^2 /NDF: 6077.1/24

Right Out: 55.937 $\pm$ 1.119 χ^2 /NDF: 573.3/5

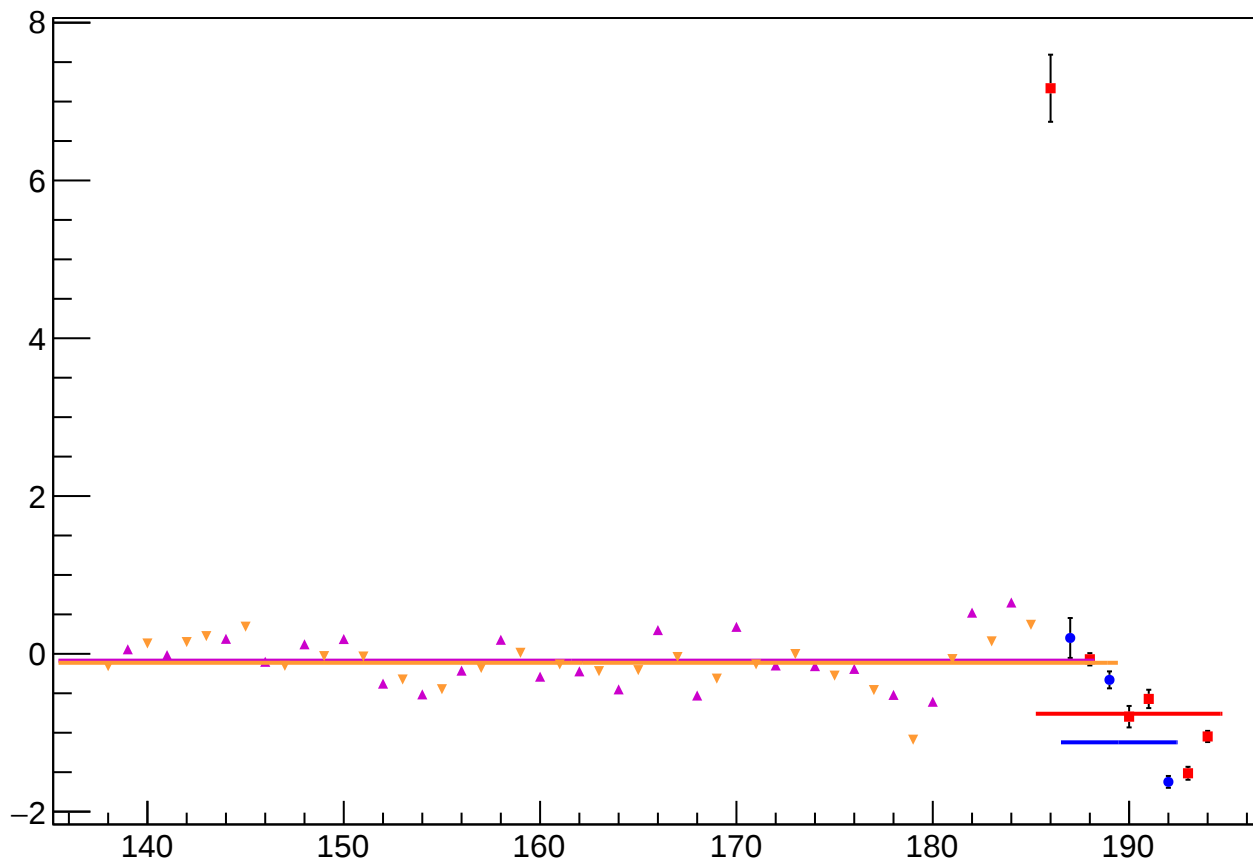
Left In: 78.396 $\pm$ 0.127 χ^2 /NDF: 4707.3/22

+ sign 79.292 $\pm$ 0.123 χ^2 /NDF: 6517.5/27

All: 78.717 $\pm$ 0.088 χ^2 /NDF: 12240.7/56

- sign 78.112 $\pm$ 0.126 χ^2 /NDF: 5678.2/28

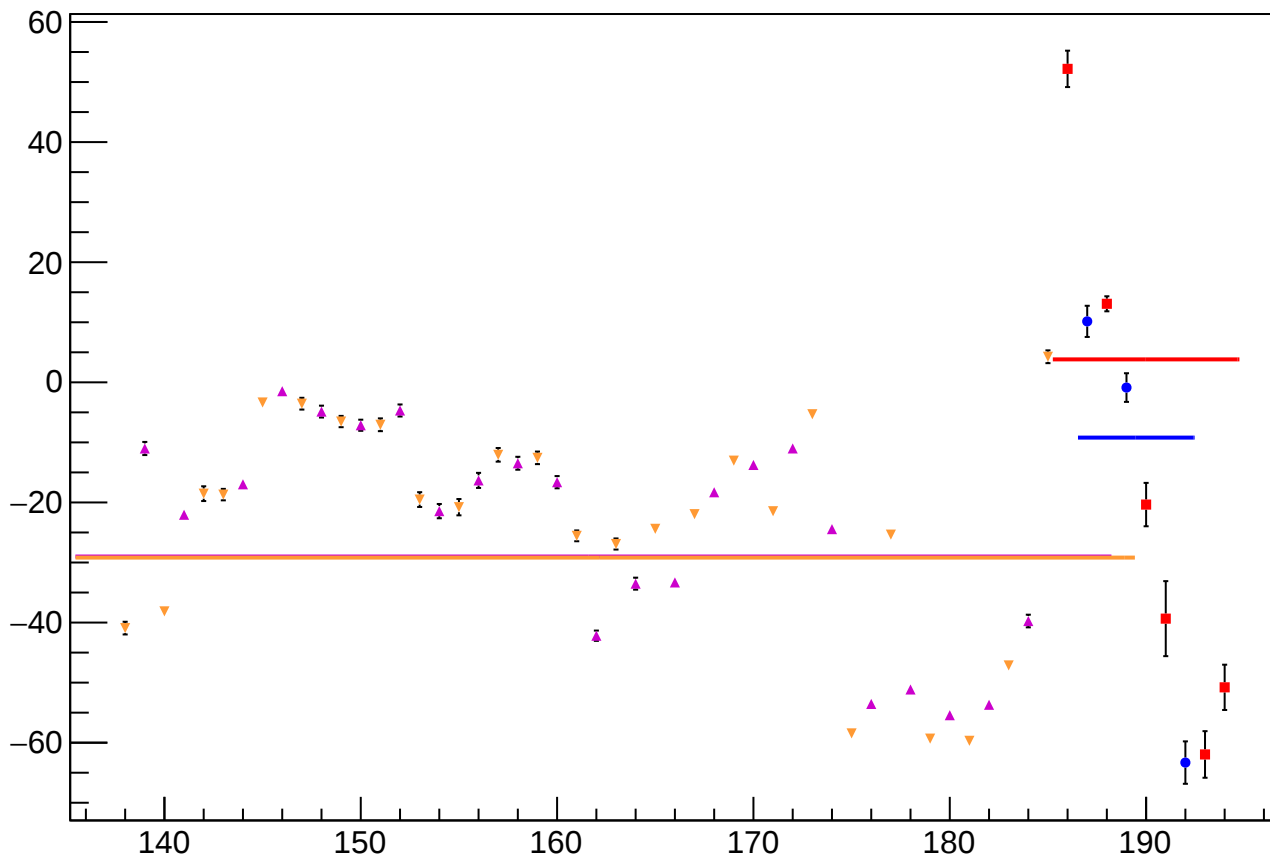
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -1.122 ± 0.060 χ^2/NDF : 126.4/2
 Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24
 Right Out: -0.759 ± 0.039 χ^2/NDF : 530.0/5
 Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.122 ± 0.006 χ^2/NDF : 2711.9/27
 All: -0.112 ± 0.004 χ^2/NDF : 6668.1/56
 - sign -0.101 ± 0.006 χ^2/NDF : 3948.8/28

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -9.202 ± 1.573 χ^2/NDF : 302.4/2

Left Out: -29.180 ± 0.157 χ^2/NDF : 16912.2/24

Right Out: 3.821 ± 1.007 χ^2/NDF : 899.3/5

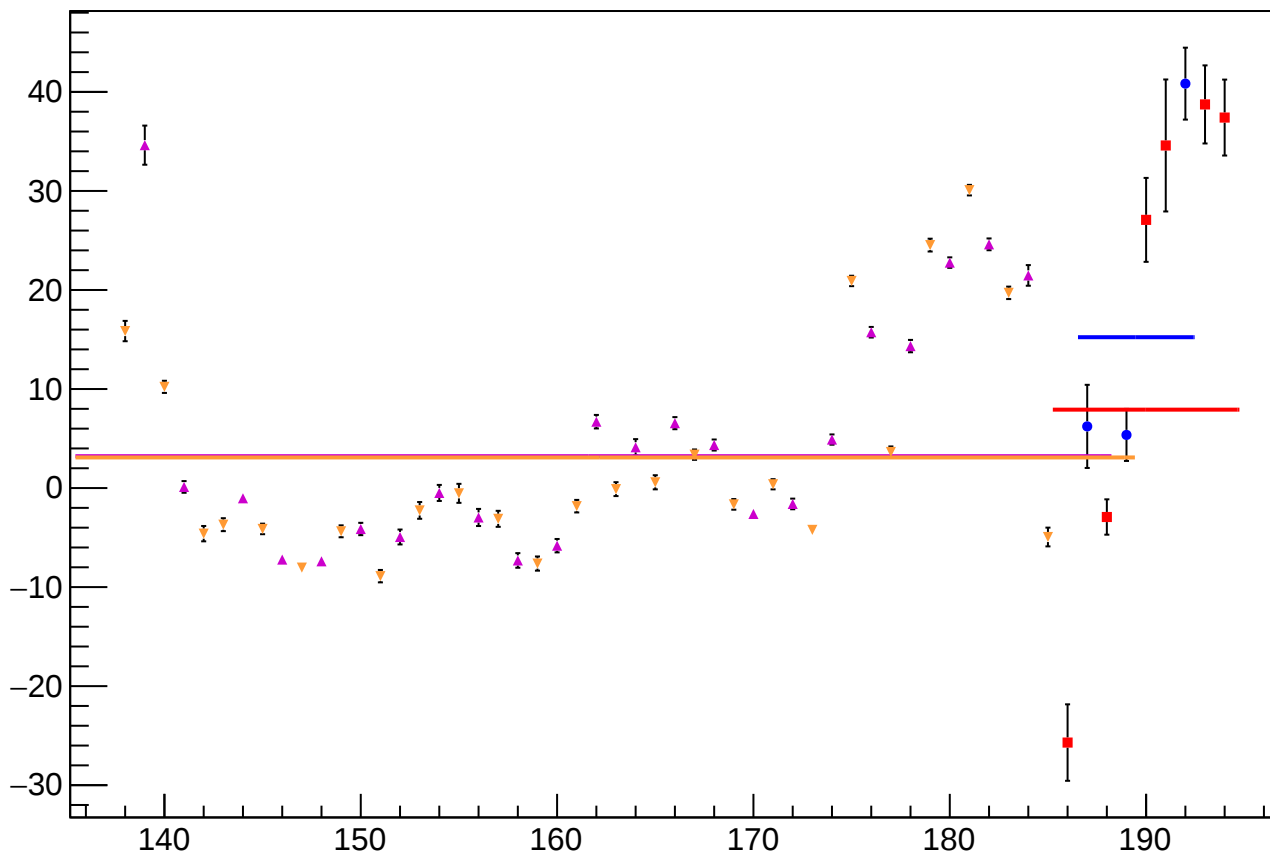
Left In: -29.003 ± 0.160 χ^2/NDF : 13416.8/22

+ sign -28.984 ± 0.156 χ^2/NDF : 17374.4/27

All: -28.595 ± 0.111 χ^2/NDF : 32739.0/56

- sign -28.197 ± 0.158 χ^2/NDF : 15352.0/28

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 15.232 $\pm$ 1.898 χ^2 /NDF: 68.4/2

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF:8084.1/24

Right Out: 7.918 $\pm$ 1.300 χ^2 /NDF: 269.5/5

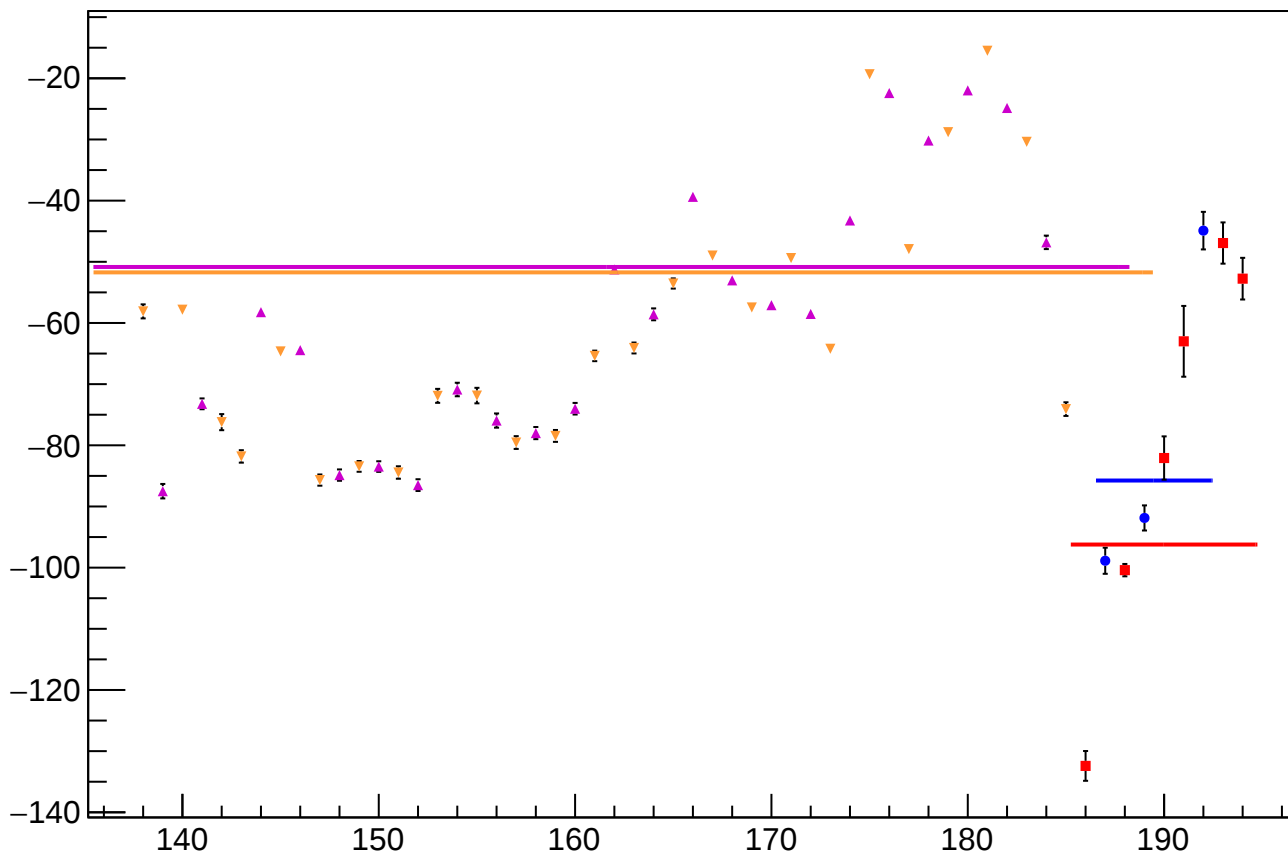
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF:6237.6/22

+ sign 3.143 $\pm$ 0.124 χ^2 /NDF: 8193.2/27

All: 3.203 $\pm$ 0.089 χ^2 /NDF: 14713.7/56

- sign 3.266 $\pm$ 0.126 χ^2 /NDF: 6520.0/28

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -85.759 $\pm$ 1.333 χ^2 /NDF: 223.6/2

Left Out: -51.729 $\pm$ 0.158 χ^2 /NDF:19538.0/24

Right Out: -96.224 $\pm$ 0.836 χ^2 /NDF: 663.4/5

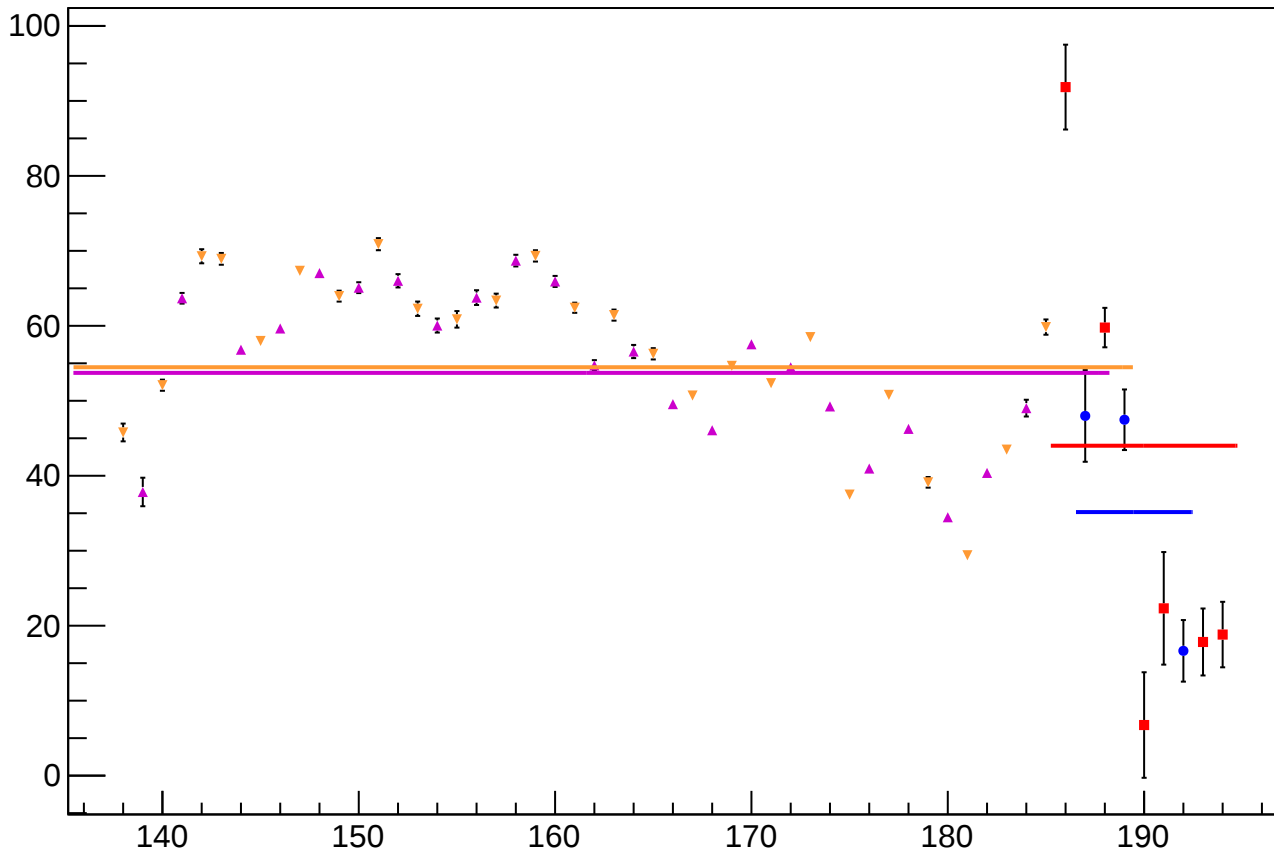
Left In: -50.844 $\pm$ 0.160 χ^2 /NDF:17272.0/22

+ sign -52.200 $\pm$ 0.157 χ^2 /NDF: 20404.4/27

All: -52.325 $\pm$ 0.111 χ^2 /NDF: 41184.2/56

- sign -52.450 $\pm$ 0.157 χ^2 /NDF: 20778.5/28

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 35.156+/-2.606 χ^2/NDF : 34.0/2

Left Out: 54.476+/-0.140 χ^2/NDF : 6266.9/24

Right Out: 44.007+/-1.779 χ^2/NDF : 211.3/5

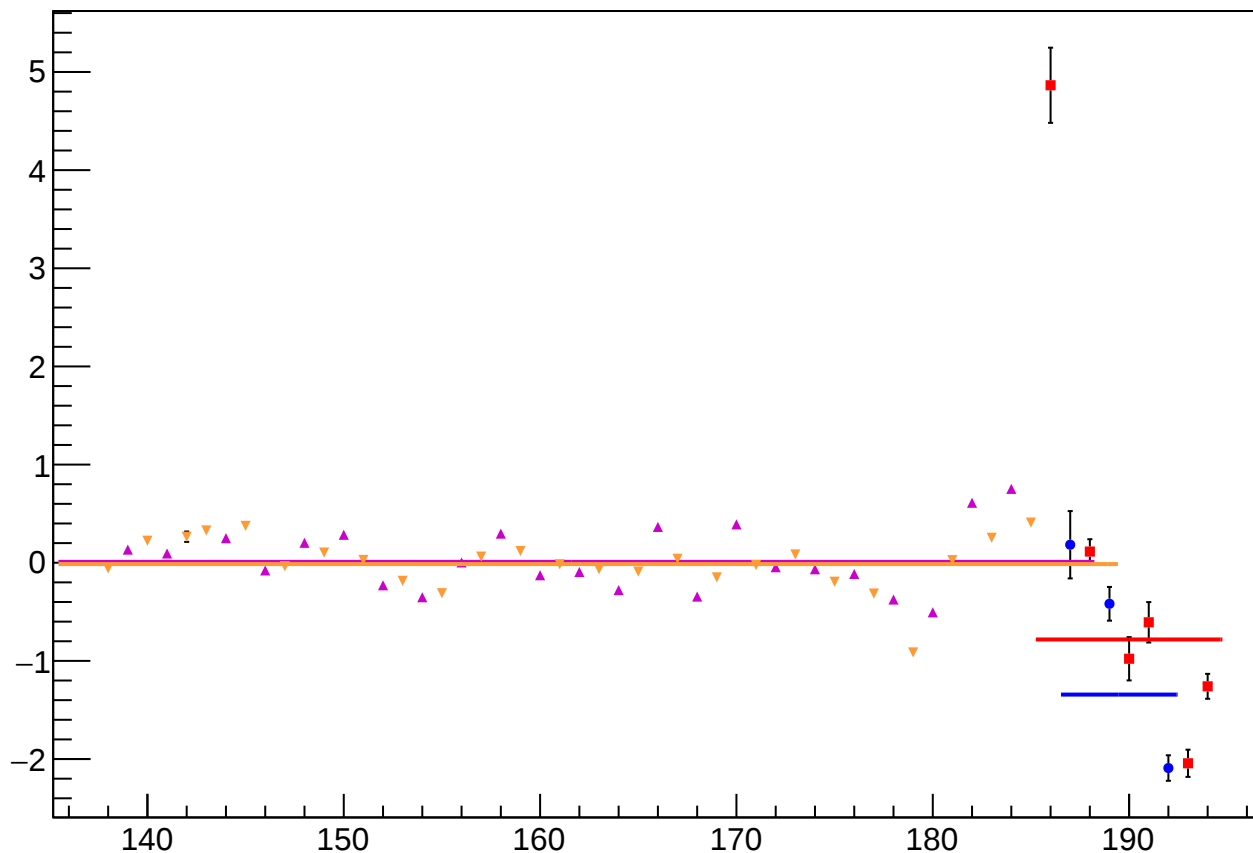
Left In: 53.724+/-0.143 χ^2/NDF : 4585.7/22

+ sign 54.420+/-0.140 χ^2/NDF : 6355.7/27

All: 54.048+/-0.100 χ^2/NDF : 11196.8/56

- sign 53.661+/-0.143 χ^2/NDF : 4826.6/28

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.343 ± 0.099 χ^2/NDF : 82.0/2

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.782 ± 0.066 χ^2/NDF : 366.4/5

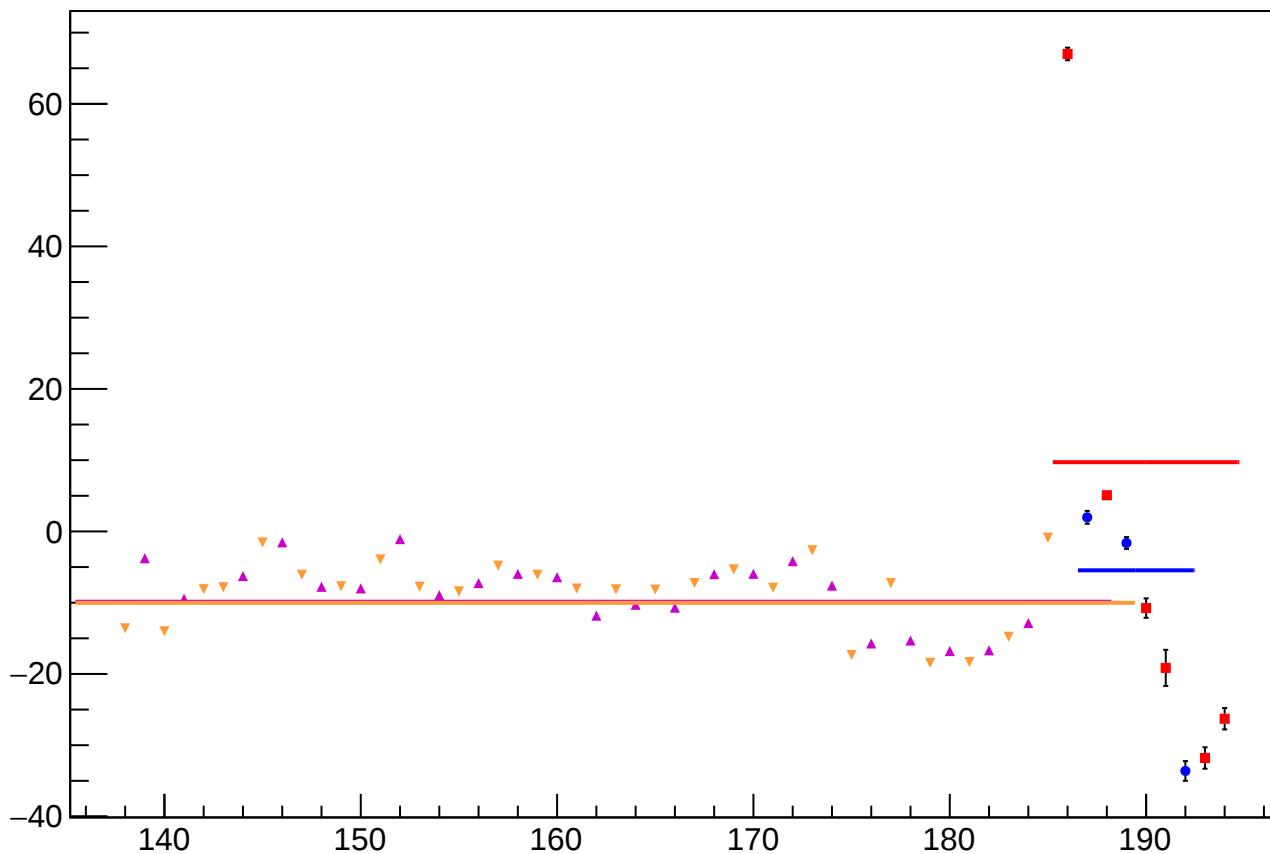
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.019 ± 0.006 χ^2/NDF : 1915.5/27

All: -0.009 ± 0.005 χ^2/NDF : 4648.8/56

- sign 0.001 ± 0.007 χ^2/NDF : 2728.2/28

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.457 ± 0.558 χ^2/NDF : 504.1/2

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: 9.719 ± 0.356 χ^2/NDF : 5990.2/5

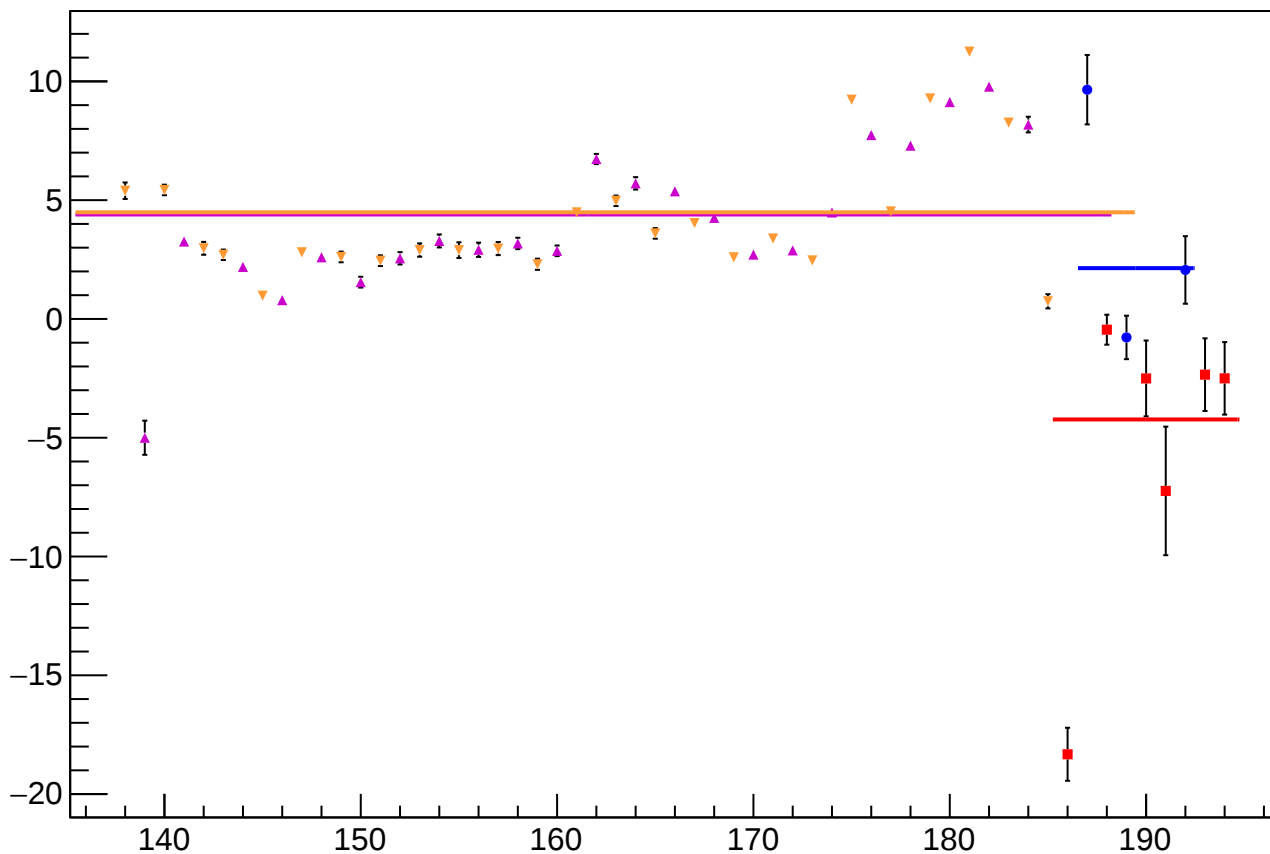
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.980 ± 0.050 χ^2/NDF : 13123.1/27

All: -9.725 ± 0.036 χ^2/NDF : 31475.3/56

- sign -9.465 ± 0.051 χ^2/NDF : 18300.7/28

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 2.138 ± 0.681 $\chi^2/\text{NDF}: 36.6/2$

Left Out: 4.489 ± 0.041 $\chi^2/\text{NDF}: 4832.3/24$

Right Out: -4.231 ± 0.461 $\chi^2/\text{NDF}: 200.5/5$

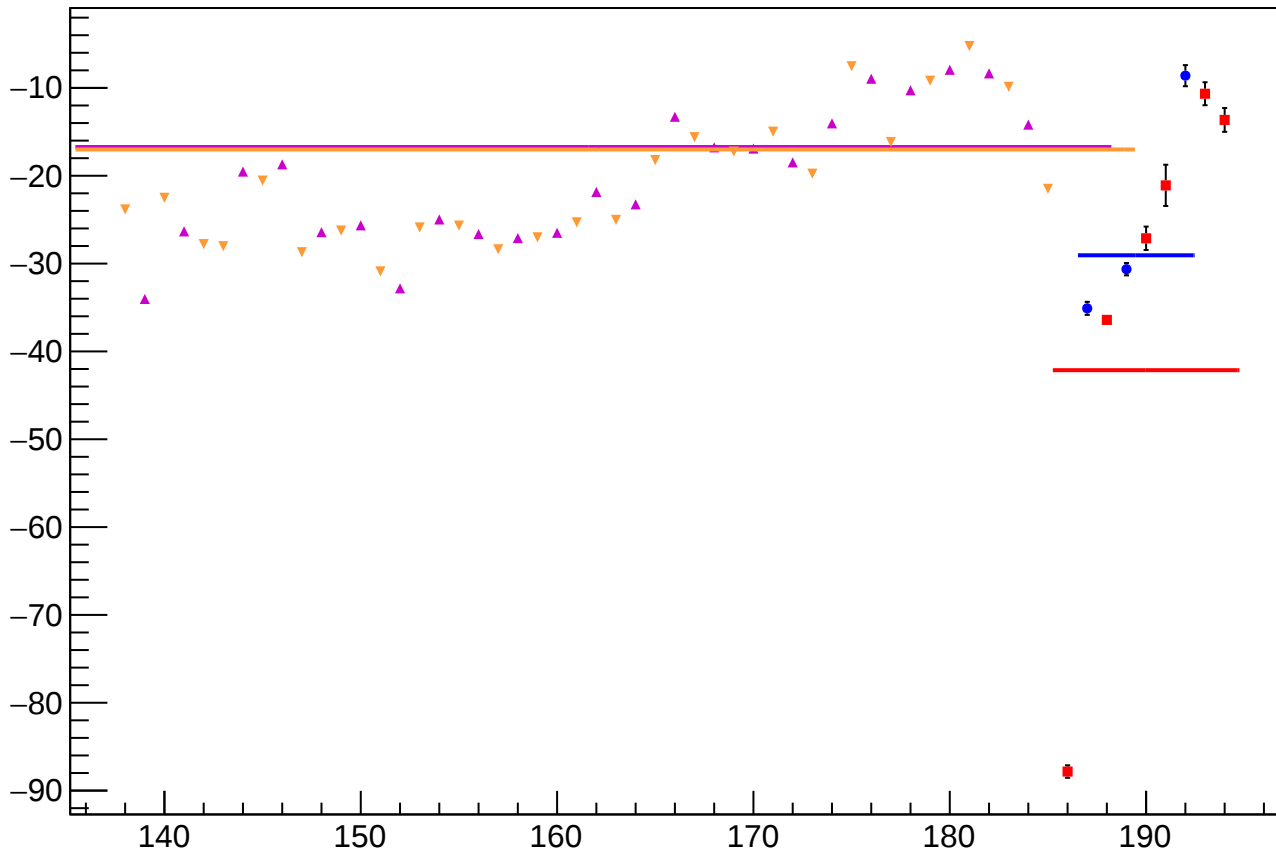
Left In: 4.396 ± 0.041 $\chi^2/\text{NDF}: 4230.4/22$

+ sign 4.480 ± 0.041 $\chi^2/\text{NDF}: 4880.8/27$

All: 4.405 ± 0.029 $\chi^2/\text{NDF}: 9665.9/56$

- sign 4.328 ± 0.041 $\chi^2/\text{NDF}: 4778.1/28$

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -29.055 ± 0.471 χ^2/NDF : 360.9/2

Left Out: -17.008 ± 0.051 χ^2/NDF : 22094.7/24

Right Out: -42.137 ± 0.294 χ^2/NDF : 5611.5/5

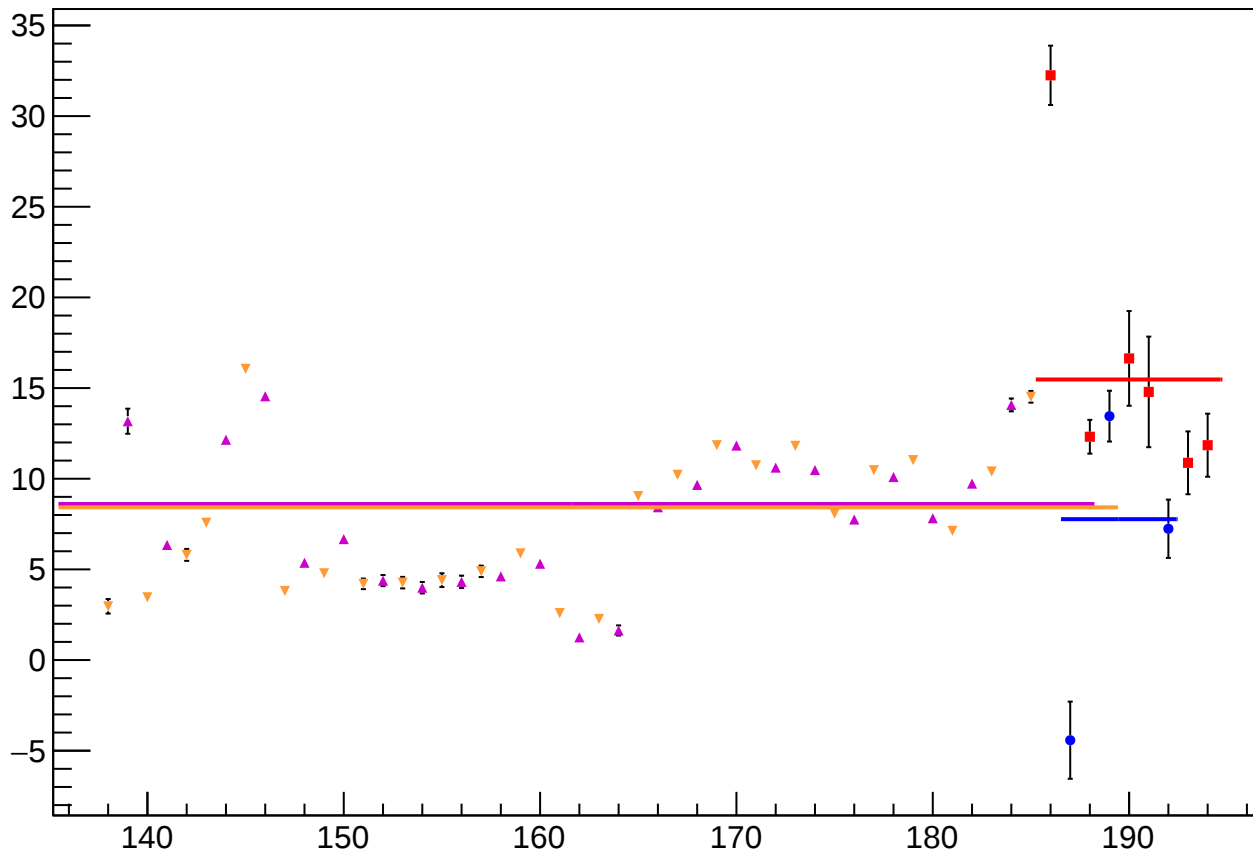
Left In: -16.732 ± 0.052 χ^2/NDF : 18777.2/22

+ sign -17.149 ± 0.051 χ^2/NDF : 23103.3/27

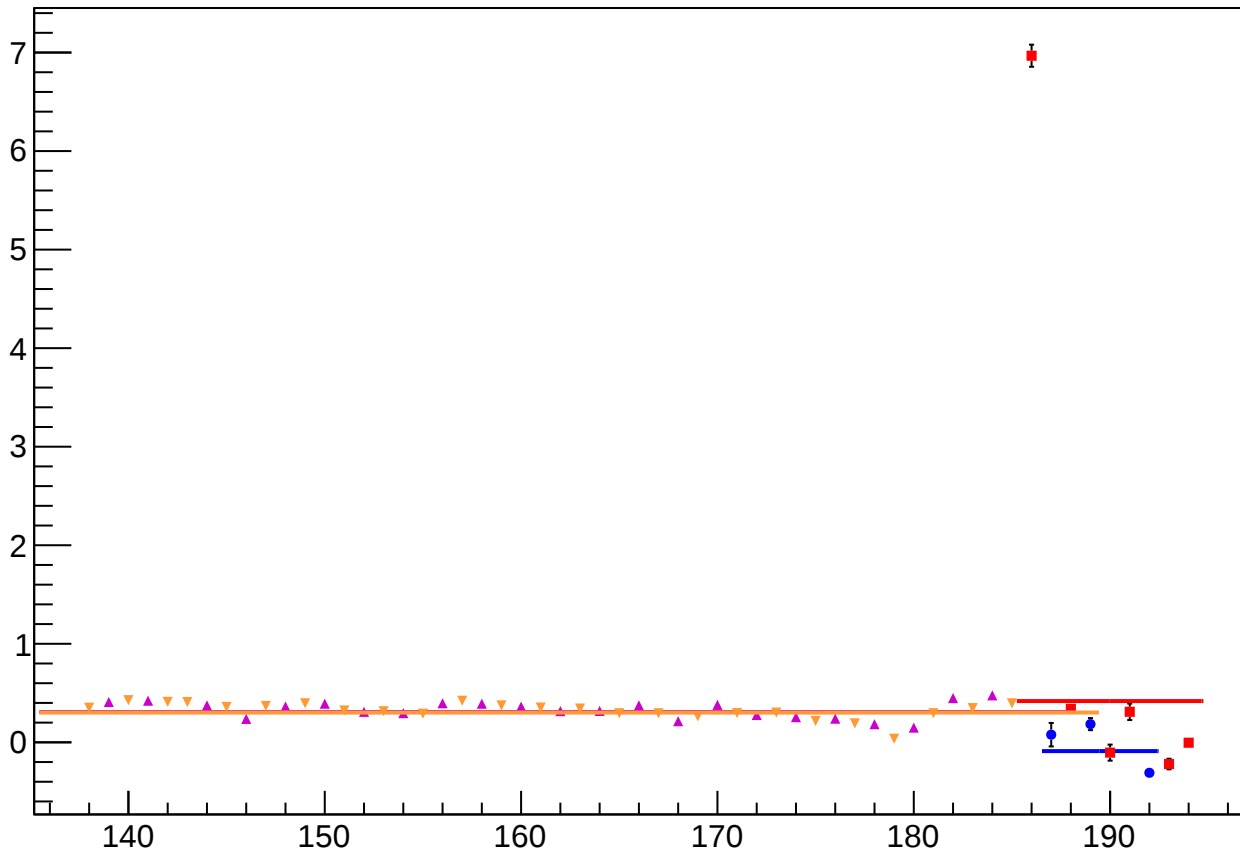
All: -17.319 ± 0.036 χ^2/NDF : 54769.4/56

- sign -17.490 ± 0.051 χ^2/NDF : 31643.5/28

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: -0.089 ± 0.037 $\chi^2/\text{NDF}: 40.7/2$

Left Out: 0.302 ± 0.002 $\chi^2/\text{NDF}: 1590.9/24$

Right Out: 0.419 ± 0.025 $\chi^2/\text{NDF}: 3664.6/5$

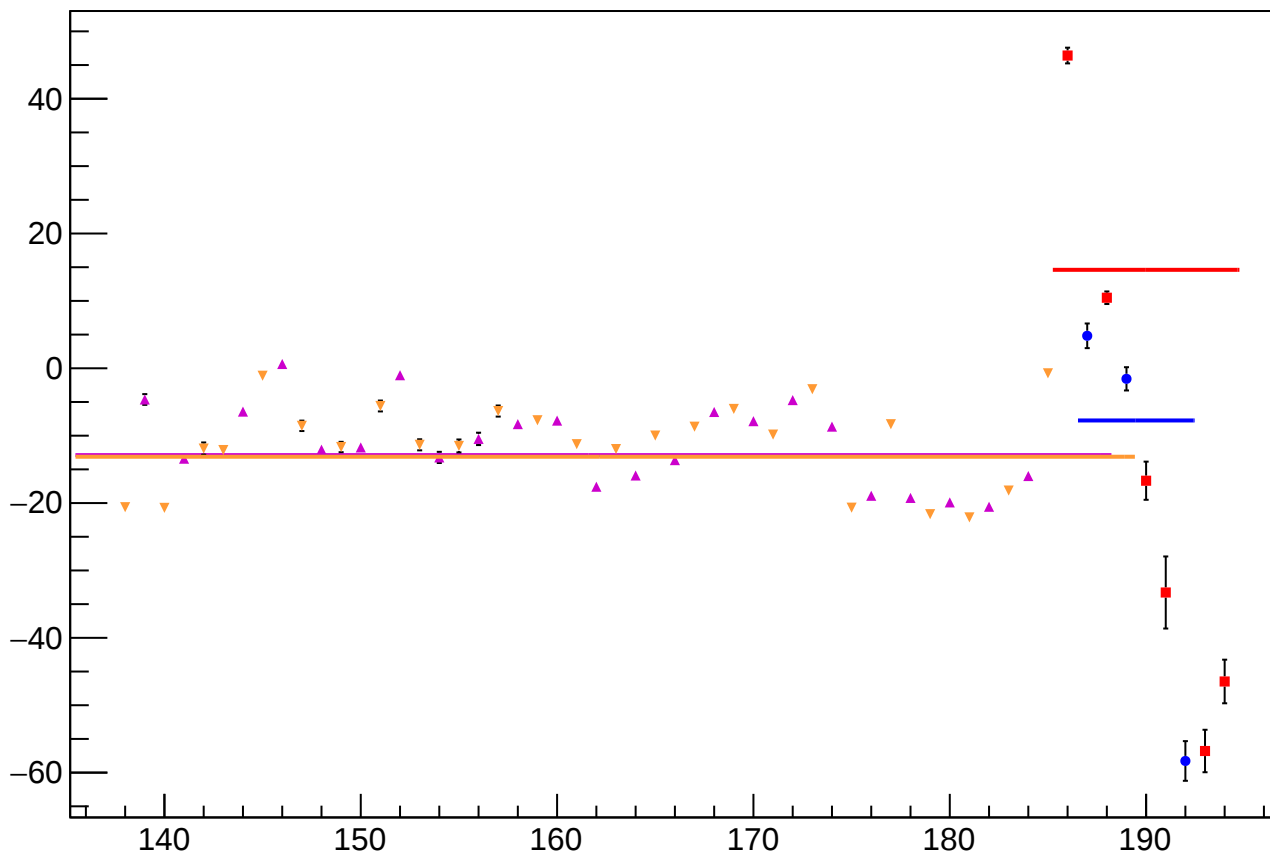
Left In: 0.307 ± 0.002 $\chi^2/\text{NDF}: 1699.5/22$

+ sign 0.301 ± 0.002 $\chi^2/\text{NDF}: 1742.3/27$

All: 0.305 ± 0.001 $\chi^2/\text{NDF}: 7131.5/56$

- sign 0.308 ± 0.002 $\chi^2/\text{NDF}: 5384.0/28$

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -7.742 ± 1.155 $\chi^2/\text{NDF}: 354.6/2$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: 14.611 ± 0.668 $\chi^2/\text{NDF}: 1835.2/5$

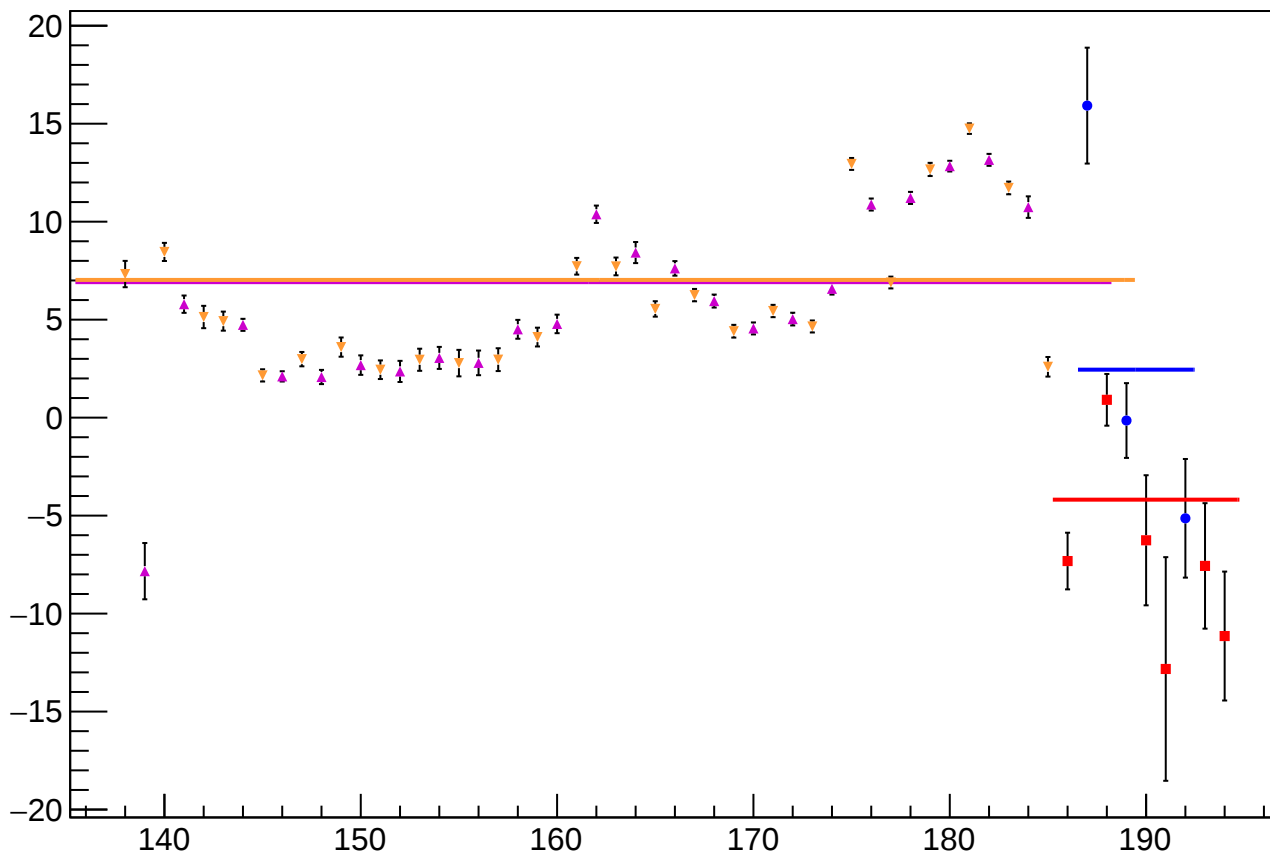
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.090 ± 0.093 $\chi^2/\text{NDF}: 6353.8/27$

All: -12.718 ± 0.066 $\chi^2/\text{NDF}: 14658.4/56$

- sign -12.339 ± 0.094 $\chi^2/\text{NDF}: 8272.6/28$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.448 $\pm$ 1.417 χ^2 /NDF: 28.9/2

Left Out: 7.028 $\pm$ 0.077 χ^2 /NDF:2665.3/24

Right Out: -4.186 $\pm$ 0.856 χ^2 /NDF: 27.9/5

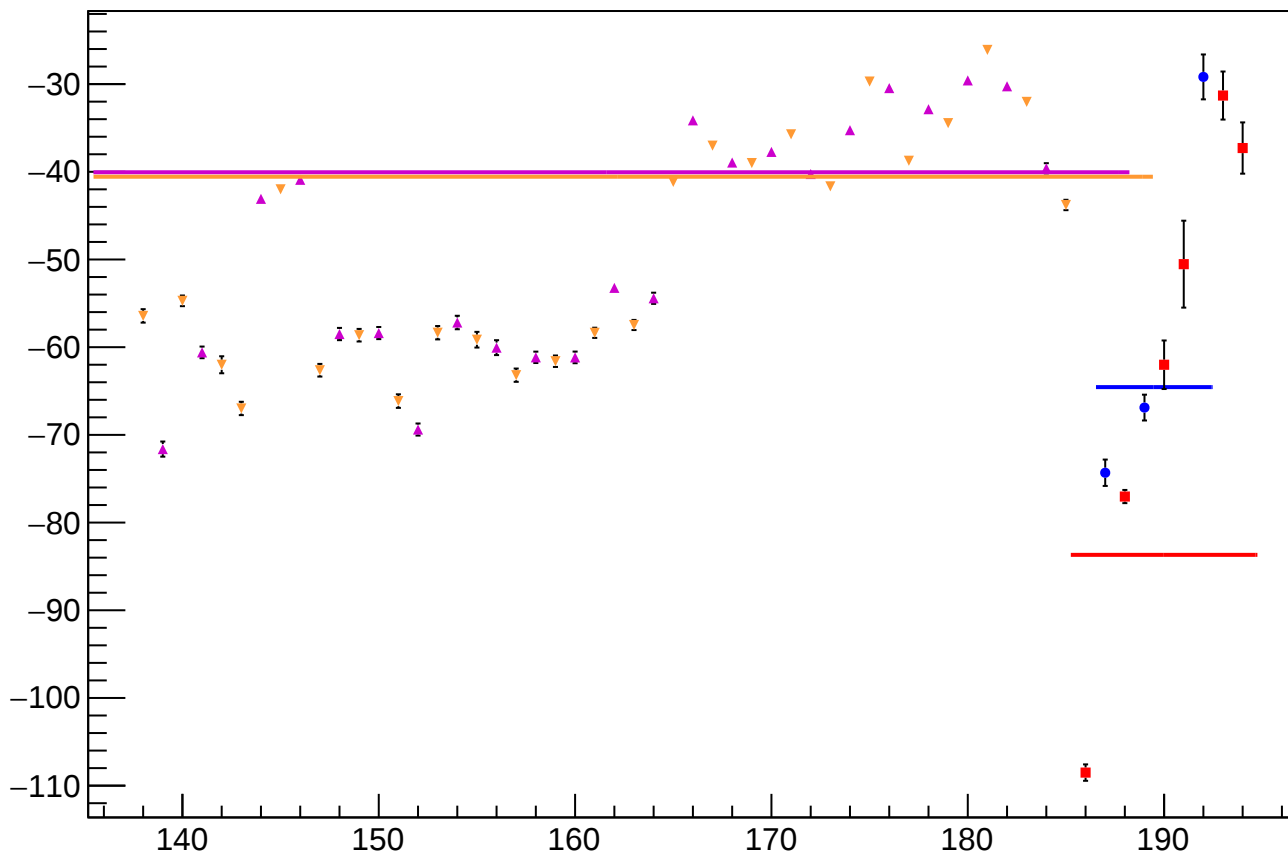
Left In: 6.914 $\pm$ 0.078 χ^2 /NDF:2428.2/22

+ sign 7.014 $\pm$ 0.077 χ^2 /NDF: 2704.6/27

All: 6.919 $\pm$ 0.055 χ^2 /NDF: 5330.5/56

- sign 6.823 $\pm$ 0.077 χ^2 /NDF: 2622.8/28

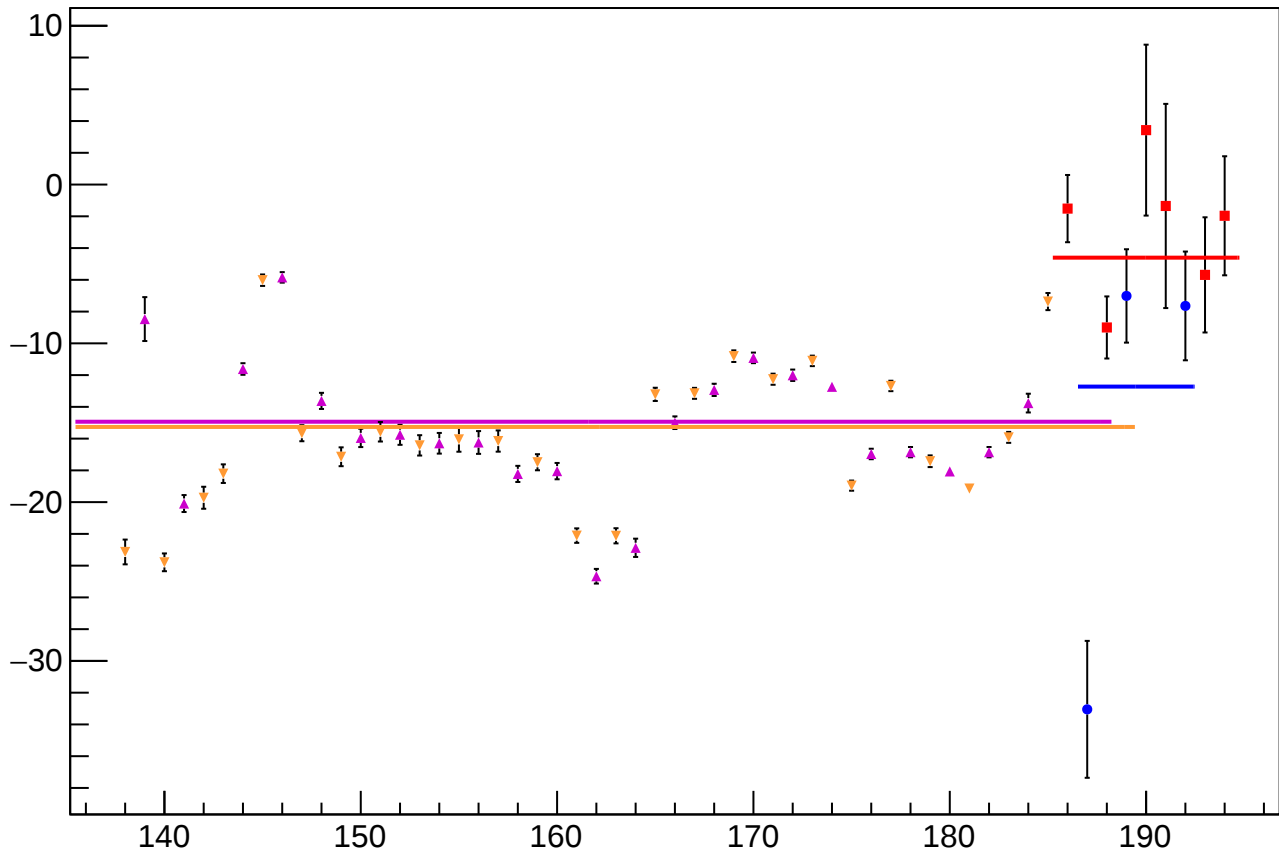
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -64.553 ± 0.973 $\chi^2/\text{NDF}: 235.7/2$
 Left Out: -40.563 ± 0.095 $\chi^2/\text{NDF}: 15637.6/24$
 Right Out: -83.681 ± 0.548 $\chi^2/\text{NDF}: 1506.1/5$
 Left In: -40.053 ± 0.096 $\chi^2/\text{NDF}: 13927.3/22$

+ sign -40.788 ± 0.094 $\chi^2/\text{NDF}: 16475.7/27$
 All: -41.067 ± 0.067 $\chi^2/\text{NDF}: 38085.4/56$
 - sign -41.345 ± 0.094 $\chi^2/\text{NDF}: 21592.2/28$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -12.724 ± 1.981 $\chi^2/\text{NDF}: 28.2/2$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -4.604 ± 1.203 $\chi^2/\text{NDF}: 10.3/5$

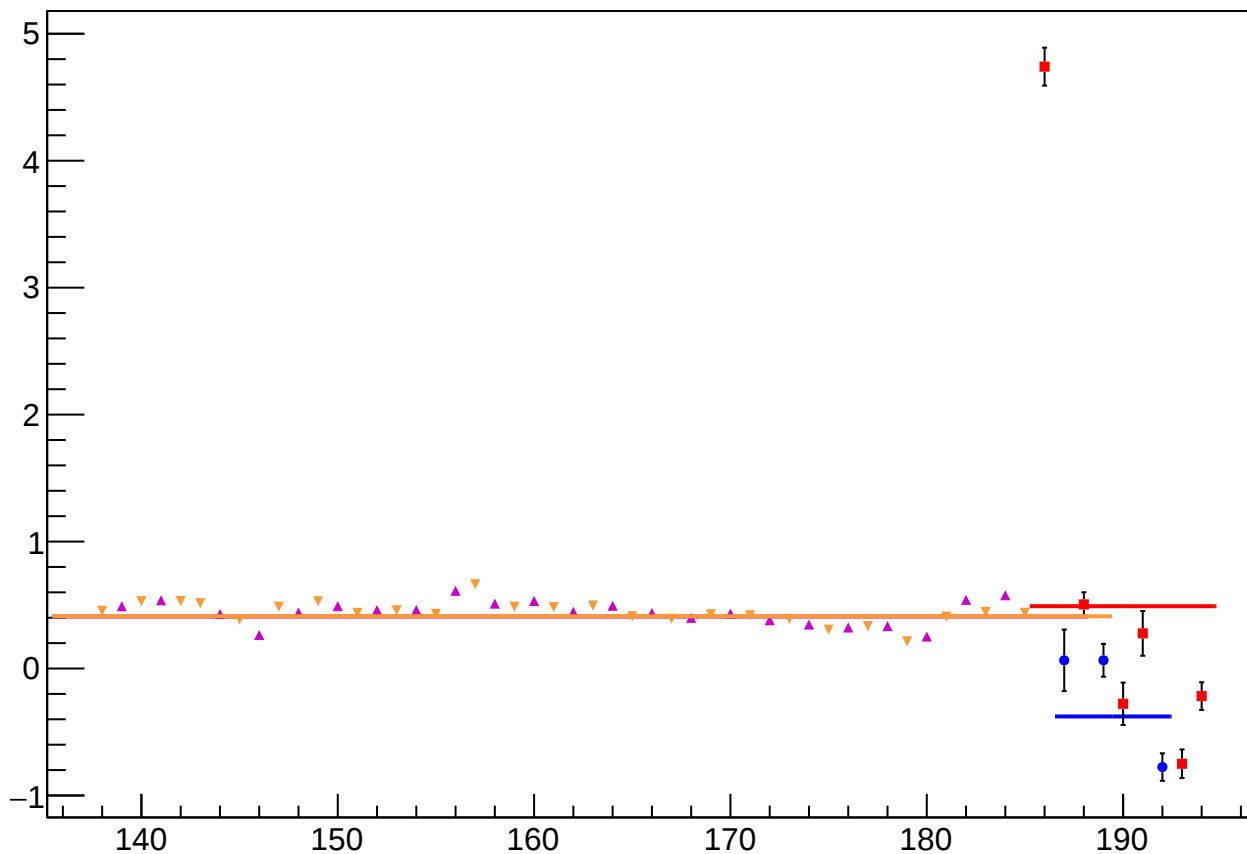
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.261 ± 0.086 $\chi^2/\text{NDF}: 2625.3/27$

All: -15.074 ± 0.061 $\chi^2/\text{NDF}: 4918.2/56$

- sign -14.883 ± 0.087 $\chi^2/\text{NDF}: 2283.3/28$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: -0.378 ± 0.079 χ^2/NDF : 28.6/2

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.7/24

Right Out: 0.491 ± 0.051 χ^2/NDF : 995.9/5

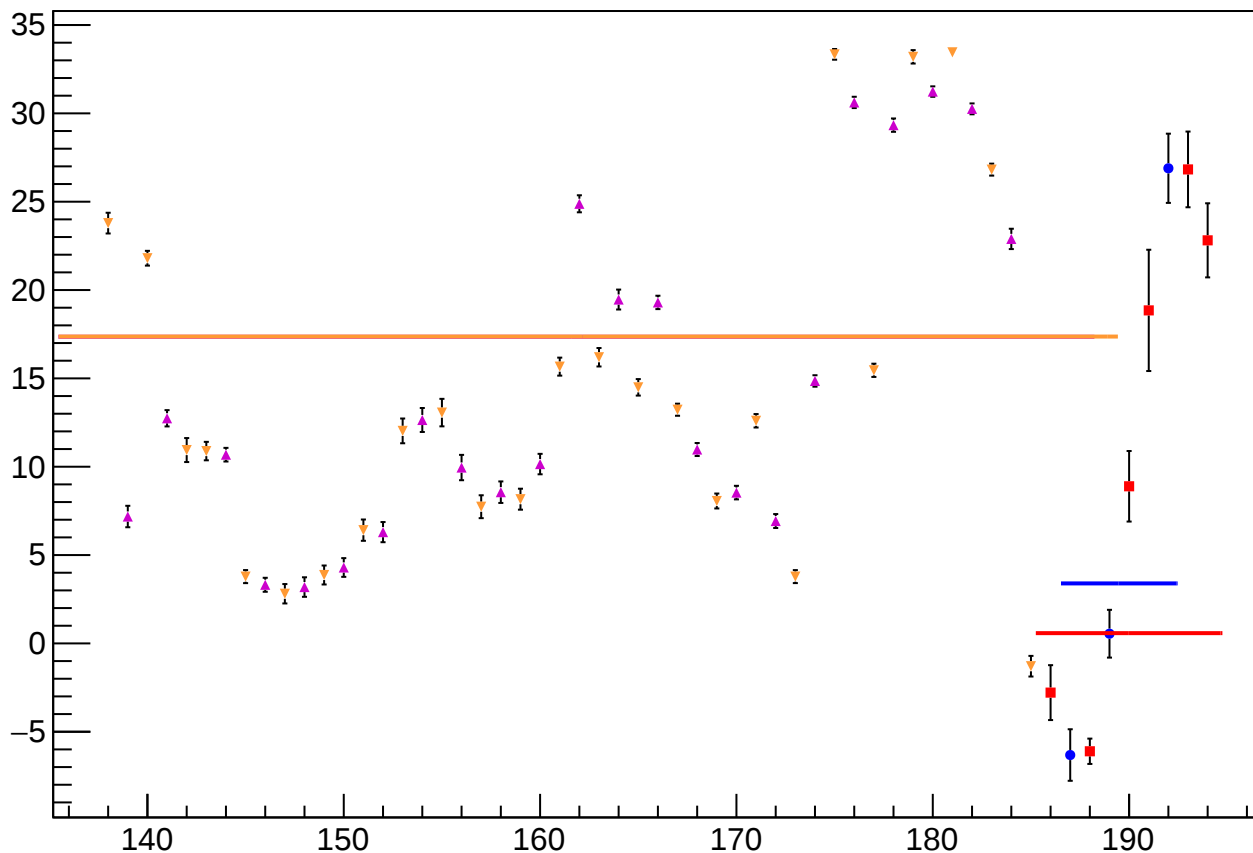
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.409 ± 0.004 χ^2/NDF : 557.8/27

All: 0.410 ± 0.003 χ^2/NDF : 2114.2/56

- sign 0.410 ± 0.004 χ^2/NDF : 1556.3/28

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.395 ± 0.885 χ^2/NDF : 192.6/2

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: 0.581 ± 0.564 χ^2/NDF : 399.8/5

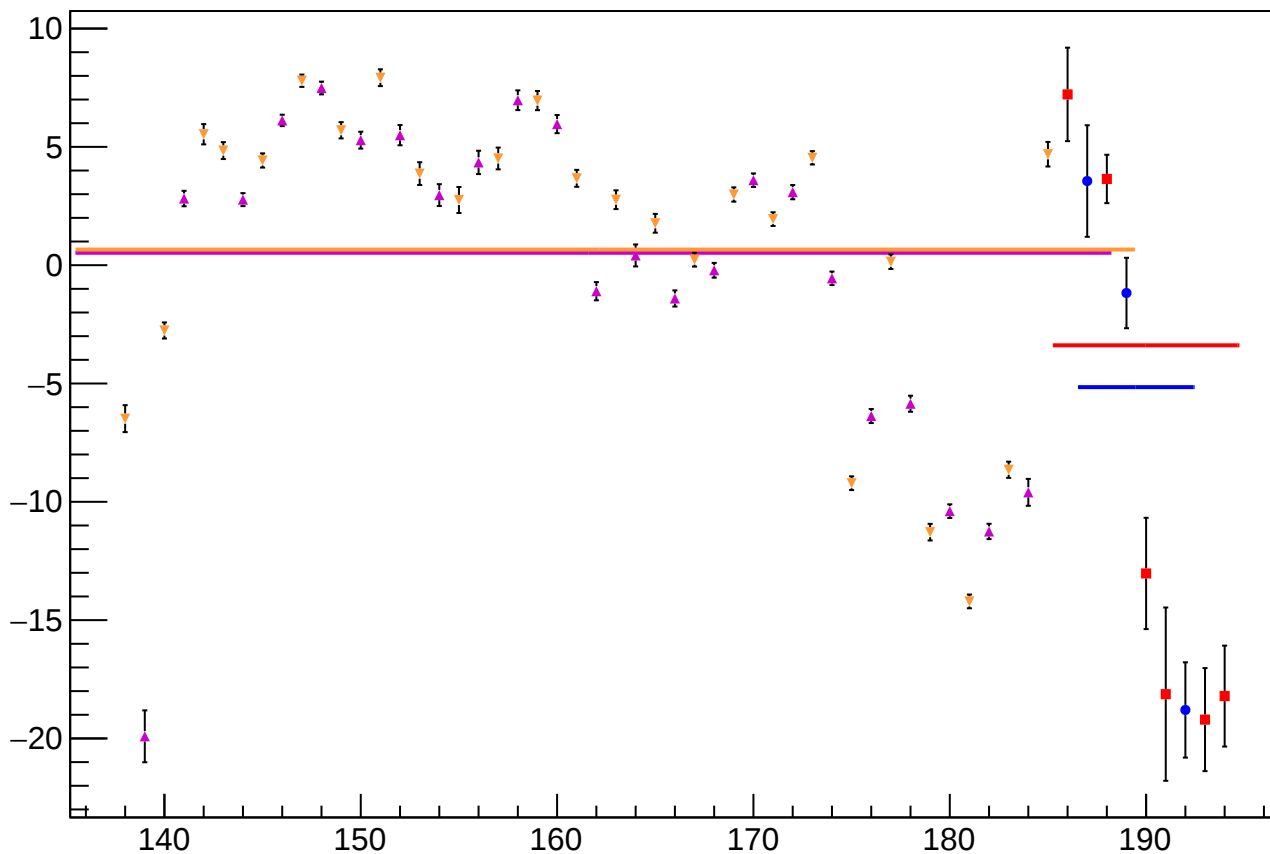
Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

+ sign 17.233 ± 0.087 χ^2/NDF : 16777.3/27

All: 17.093 ± 0.062 χ^2/NDF : 30790.1/56

- sign 16.949 ± 0.088 χ^2/NDF : 14007.5/28

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -5.154 ± 1.067 χ^2/NDF : 66.7/2

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: -3.386 ± 0.726 χ^2/NDF : 210.2/5

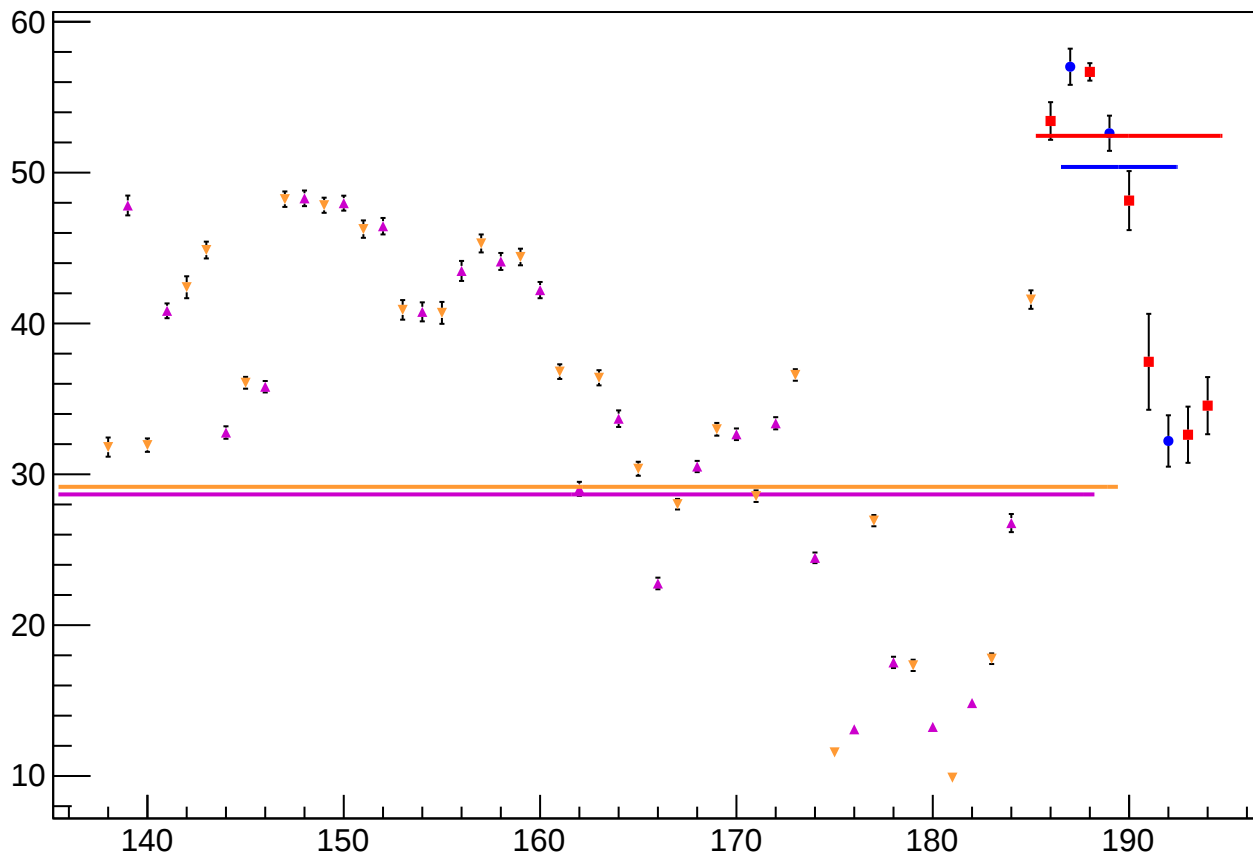
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.636 ± 0.069 χ^2/NDF : 8650.1/27

All: 0.563 ± 0.049 χ^2/NDF : 15621.0/56

- sign 0.487 ± 0.070 χ^2/NDF : 6968.6/28

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 50.376 $\pm$ 0.751 χ^2 /NDF: 148.1/2

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF: 18974.7/24

Right Out: 52.439 $\pm$ 0.468 χ^2 /NDF: 283.6/5

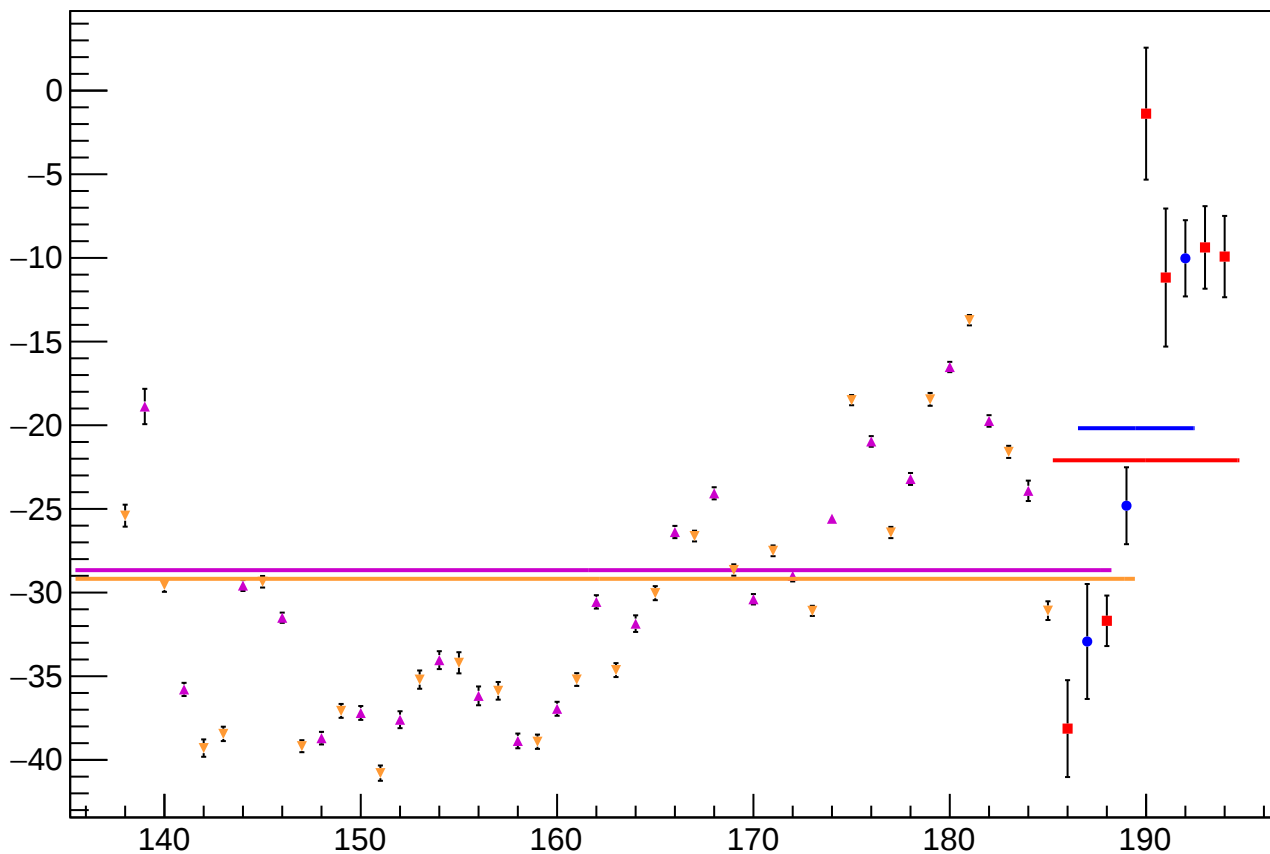
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF: 16847.2/22

+ sign 29.457 $\pm$ 0.087 χ^2 /NDF: 19910.2/27

All: 29.477 $\pm$ 0.062 χ^2 /NDF: 39526.0/56

- sign 29.497 $\pm$ 0.088 χ^2 /NDF: 19615.6/28

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -20.177 ± 1.464 χ^2/NDF : 37.7/2

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -22.095 ± 0.993 χ^2/NDF : 157.4/5

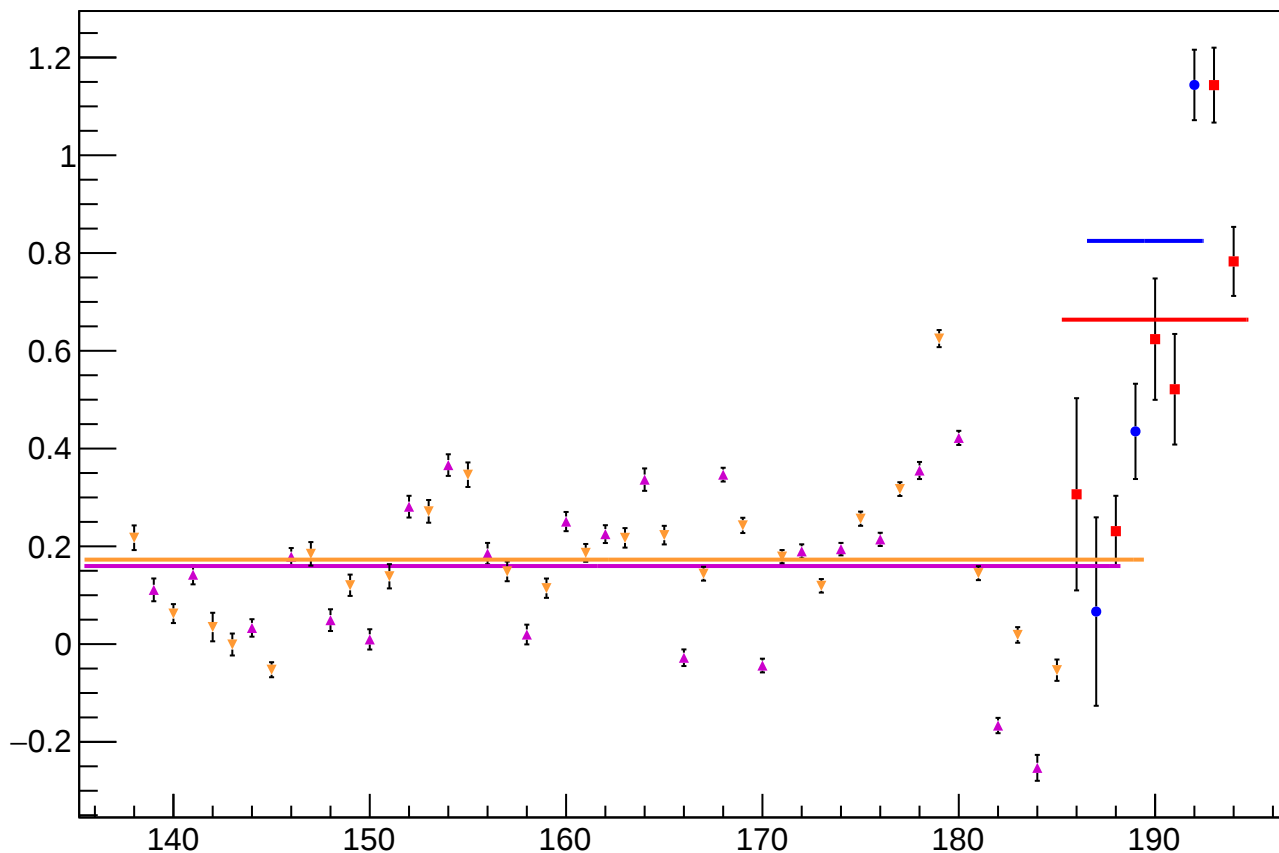
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -29.152 ± 0.078 χ^2/NDF : 9156.8/27

All: -28.890 ± 0.056 χ^2/NDF : 16050.8/56

- sign -28.618 ± 0.080 χ^2/NDF : 6871.0/28

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.825 ± 0.055 $\chi^2/\text{NDF}: 51.1/2$

Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1478.5/24$

Right Out: 0.664 ± 0.037 $\chi^2/\text{NDF}: 82.8/5$

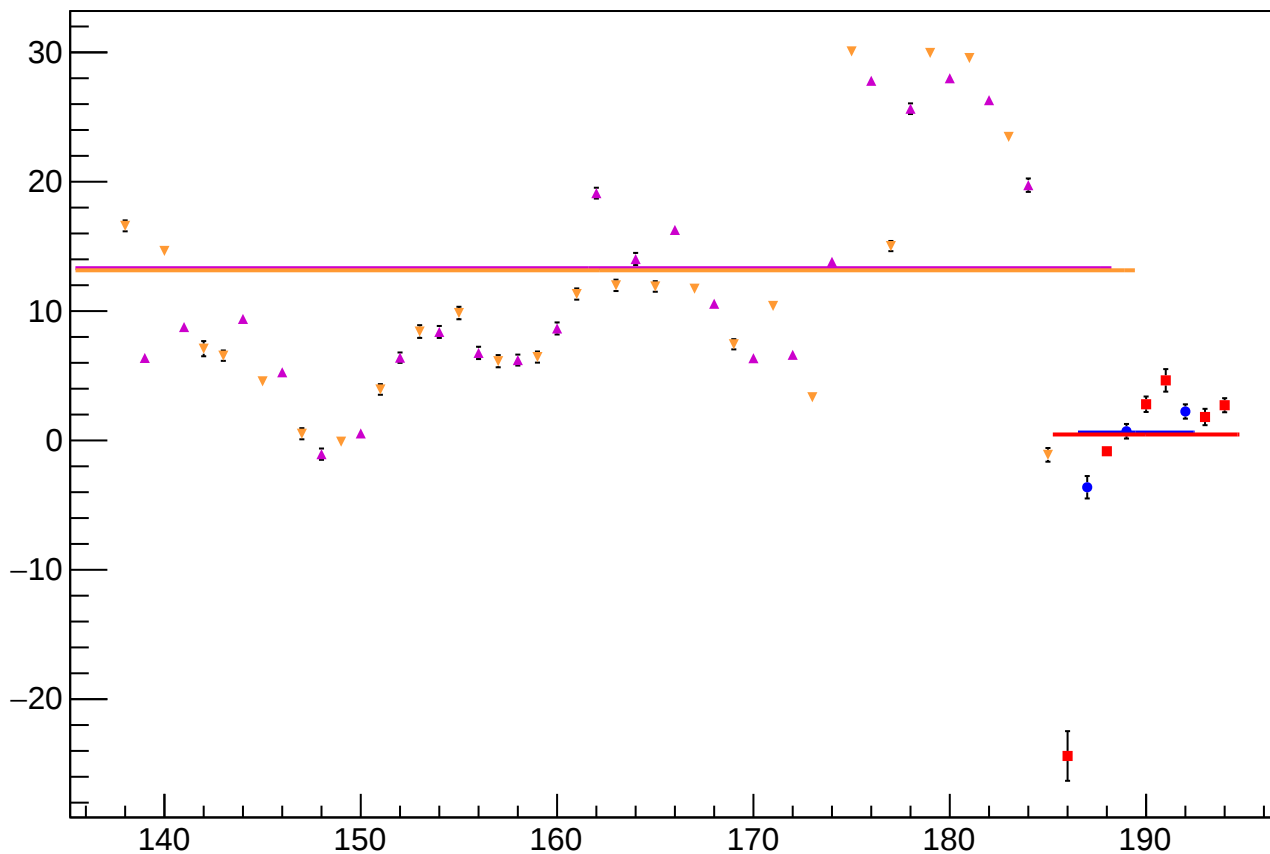
Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2057.9/22$

+ sign 0.176 ± 0.004 $\chi^2/\text{NDF}: 1667.0/27$

All: 0.170 ± 0.003 $\chi^2/\text{NDF}: 3996.2/56$

- sign 0.165 ± 0.004 $\chi^2/\text{NDF}: 2324.6/28$

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.610 ± 0.360 χ^2/NDF : 32.4/2

Left Out: 13.153 ± 0.075 χ^2/NDF : 17079.7/24

Right Out: 0.461 ± 0.209 χ^2/NDF : 249.0/5

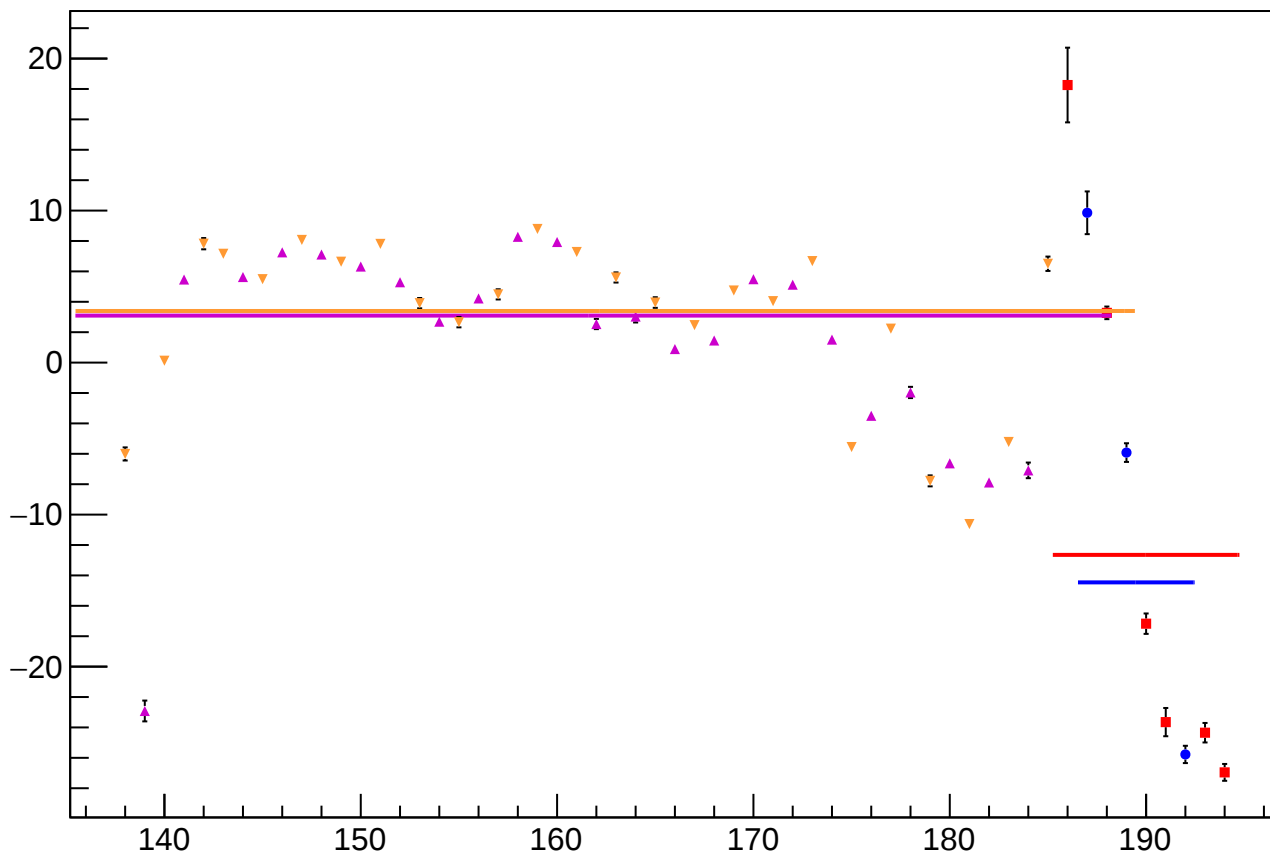
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 12.627 ± 0.074 χ^2/NDF : 18277.9/27

All: 12.195 ± 0.052 χ^2/NDF : 35895.1/56

- sign 11.778 ± 0.072 χ^2/NDF : 17549.5/28

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -14.458 ± 0.400 $\chi^2/\text{NDF}: 888.3/2$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -12.649 ± 0.258 $\chi^2/\text{NDF}: 2819.4/5$

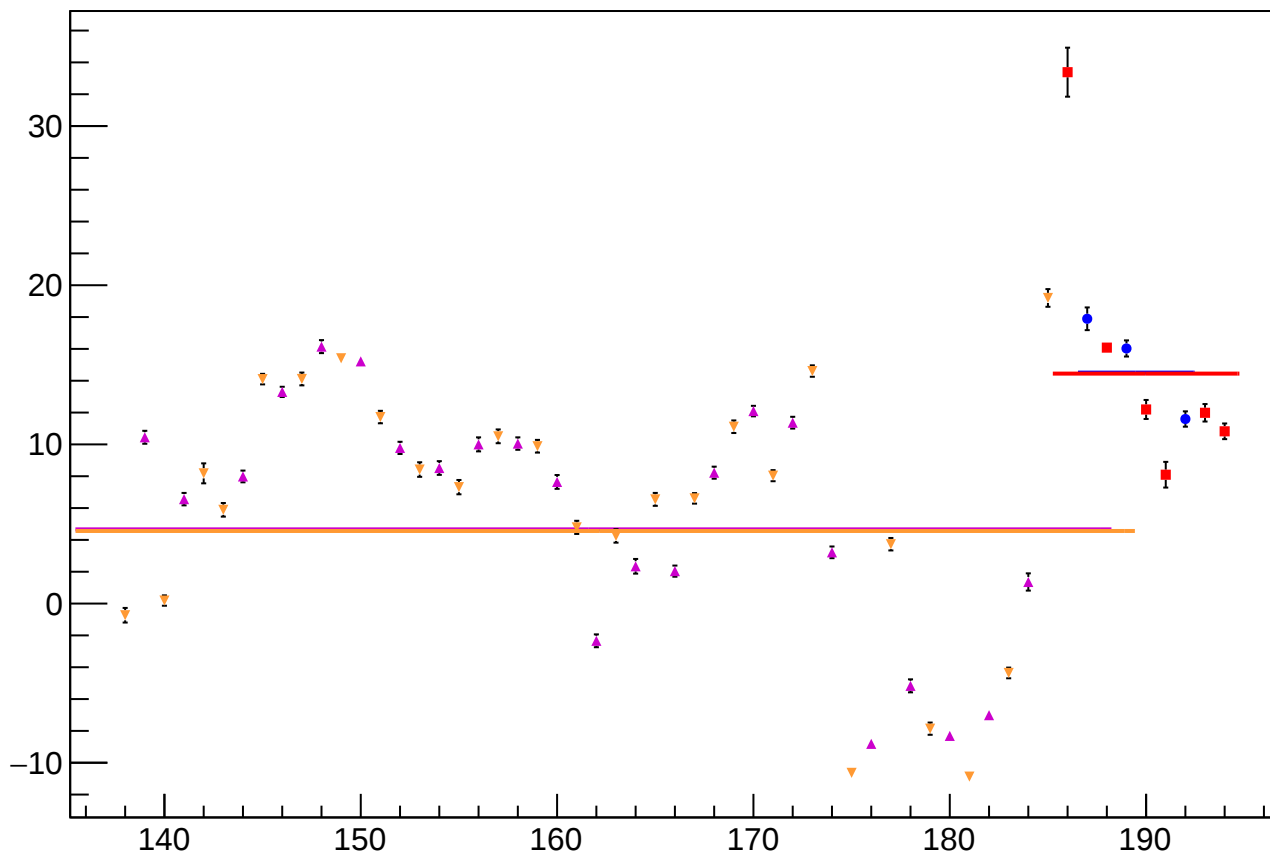
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 3.024 ± 0.058 $\chi^2/\text{NDF}: 10939.7/27$

All: 2.654 ± 0.041 $\chi^2/\text{NDF}: 24482.4/56$

- sign 2.268 ± 0.059 $\chi^2/\text{NDF}: 13459.0/28$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 14.509 $\pm$ 0.314 χ^2 /NDF: 68.0/2

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF: 13592.1/24

Right Out: 14.448 $\pm$ 0.179 χ^2 /NDF: 352.7/5

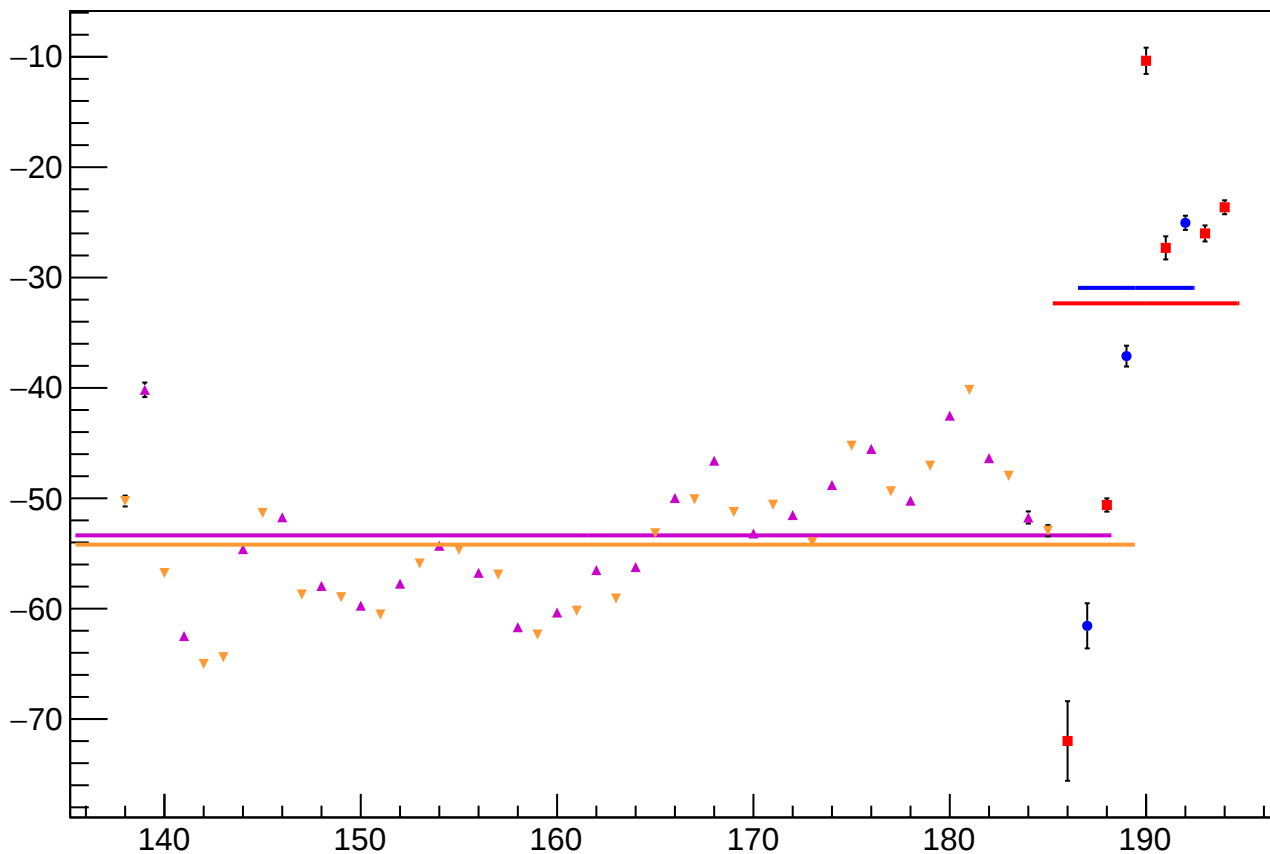
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF: 11281.5/22

+ sign 5.103 $\pm$ 0.073 χ^2 /NDF: 14610.3/27

All: 5.667 $\pm$ 0.051 χ^2 /NDF: 28890.2/56

- sign 6.189 $\pm$ 0.071 χ^2 /NDF: 14166.2/28

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -30.934+/-0.515 χ^2/NDF : 350.6/2

Left Out: -54.199+/-0.066 χ^2/NDF : 8454.7/24

Right Out: -32.337+/-0.335 χ^2/NDF : 1682.8/5

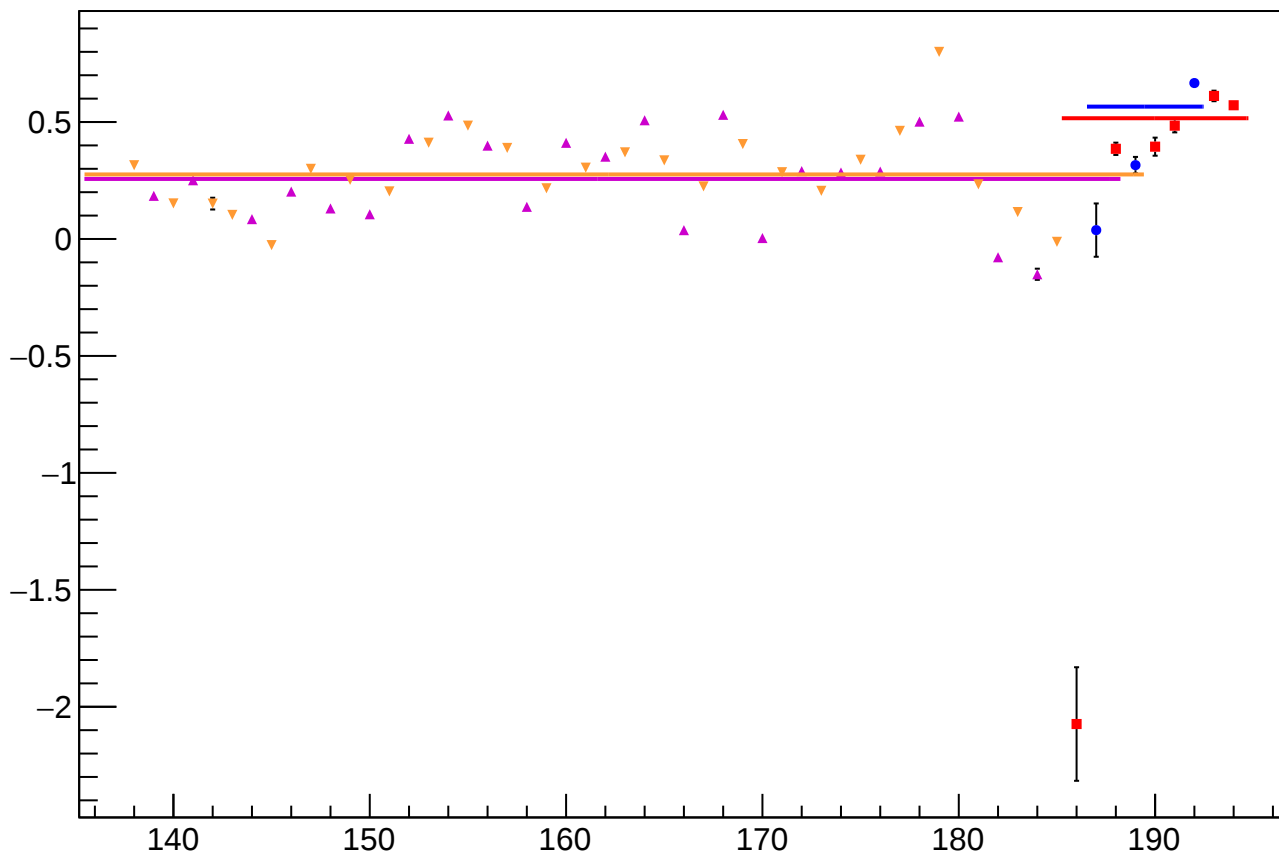
Left In: -53.359+/-0.068 χ^2/NDF : 6882.0/22

+ sign -53.818+/-0.066 χ^2/NDF : 10814.3/27

All: -53.180+/-0.047 χ^2/NDF : 23340.6/56

- sign -52.518+/-0.067 χ^2/NDF : 12334.9/28

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.566 ± 0.017 χ^2/NDF : 96.7/2

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.516 ± 0.011 χ^2/NDF : 176.6/5

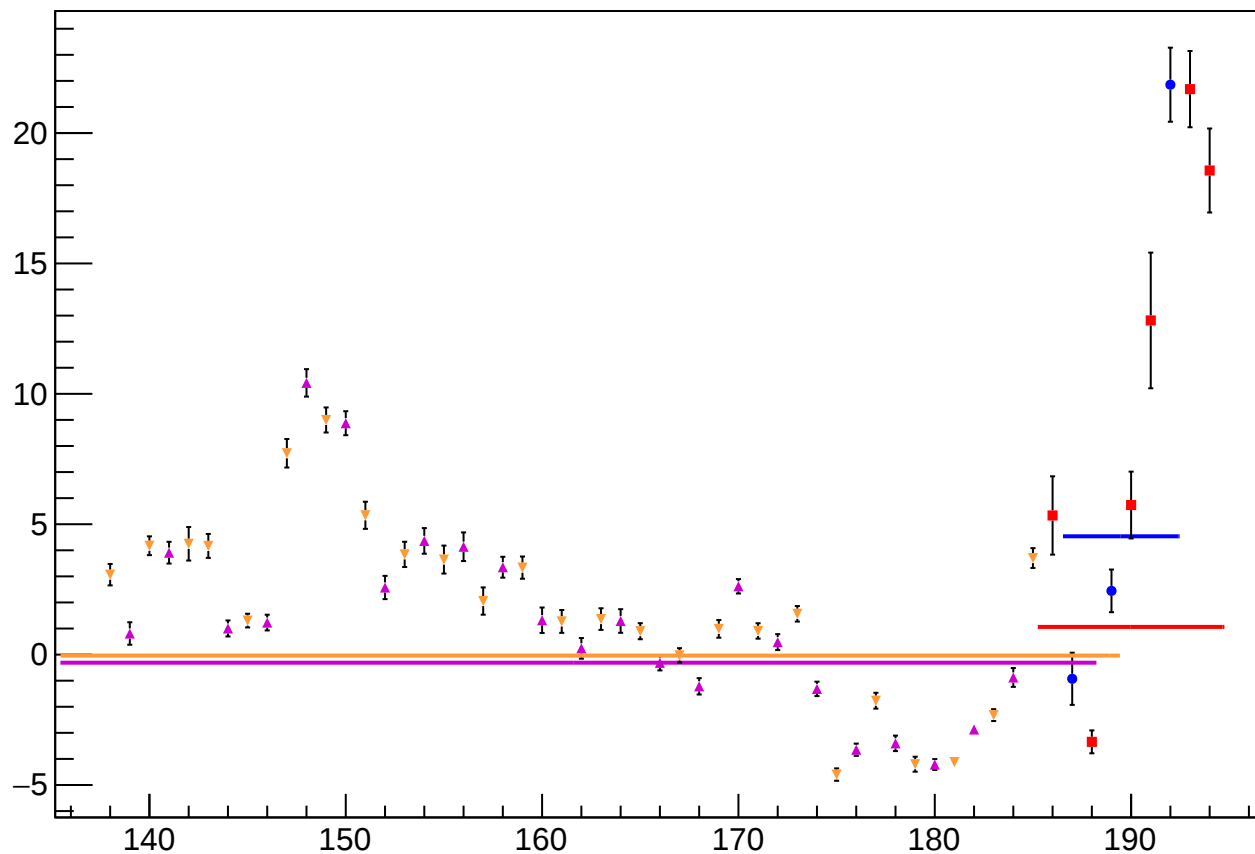
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.285 ± 0.003 χ^2/NDF : 2989.8/27

All: 0.280 ± 0.002 χ^2/NDF : 7311.1/56

- sign 0.276 ± 0.003 χ^2/NDF : 4317.2/28

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 4.537 ± 0.578 χ^2/NDF : 185.1/2

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: 1.062 ± 0.372 χ^2/NDF : 459.7/5

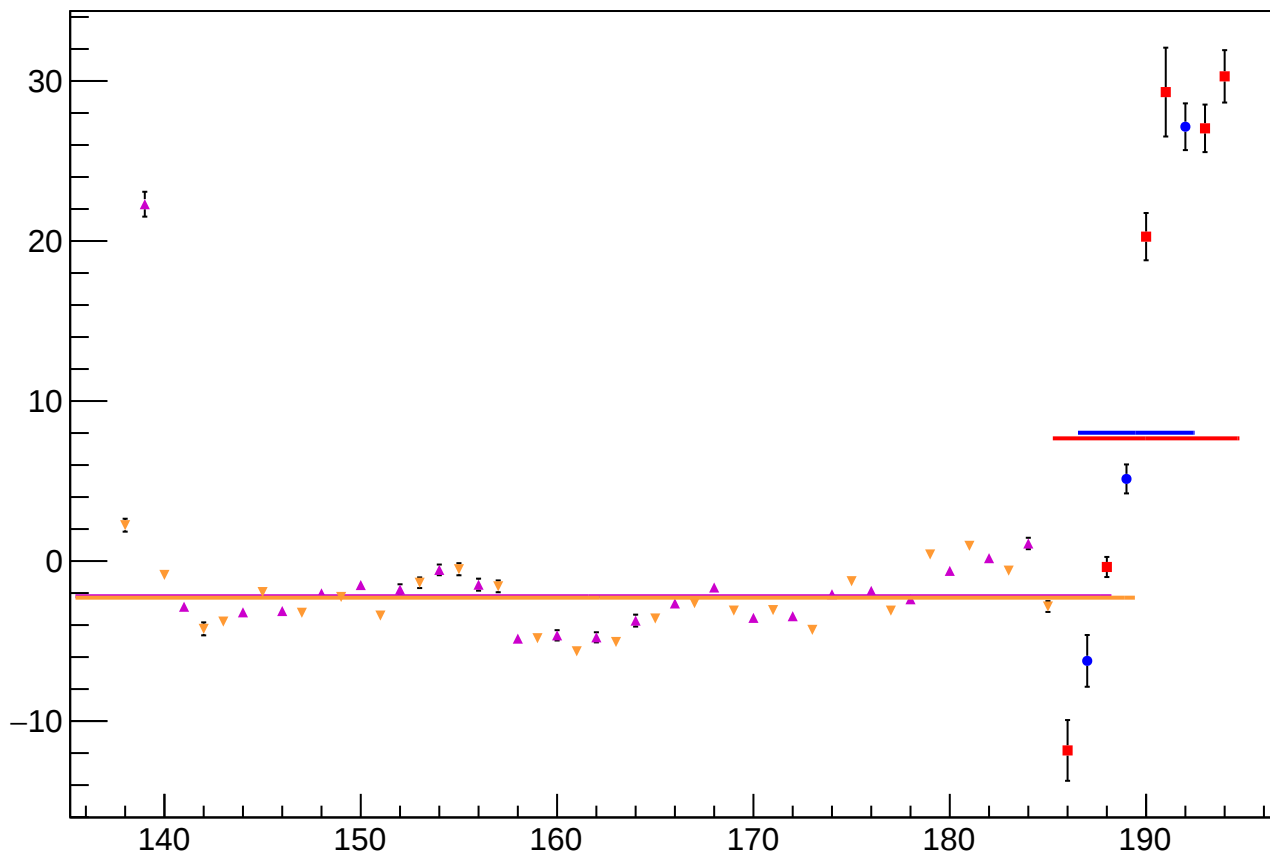
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign 0.022 ± 0.066 χ^2/NDF : 2884.5/27

All: -0.121 ± 0.047 χ^2/NDF : 5617.5/56

- sign -0.266 ± 0.066 χ^2/NDF : 2723.4/28

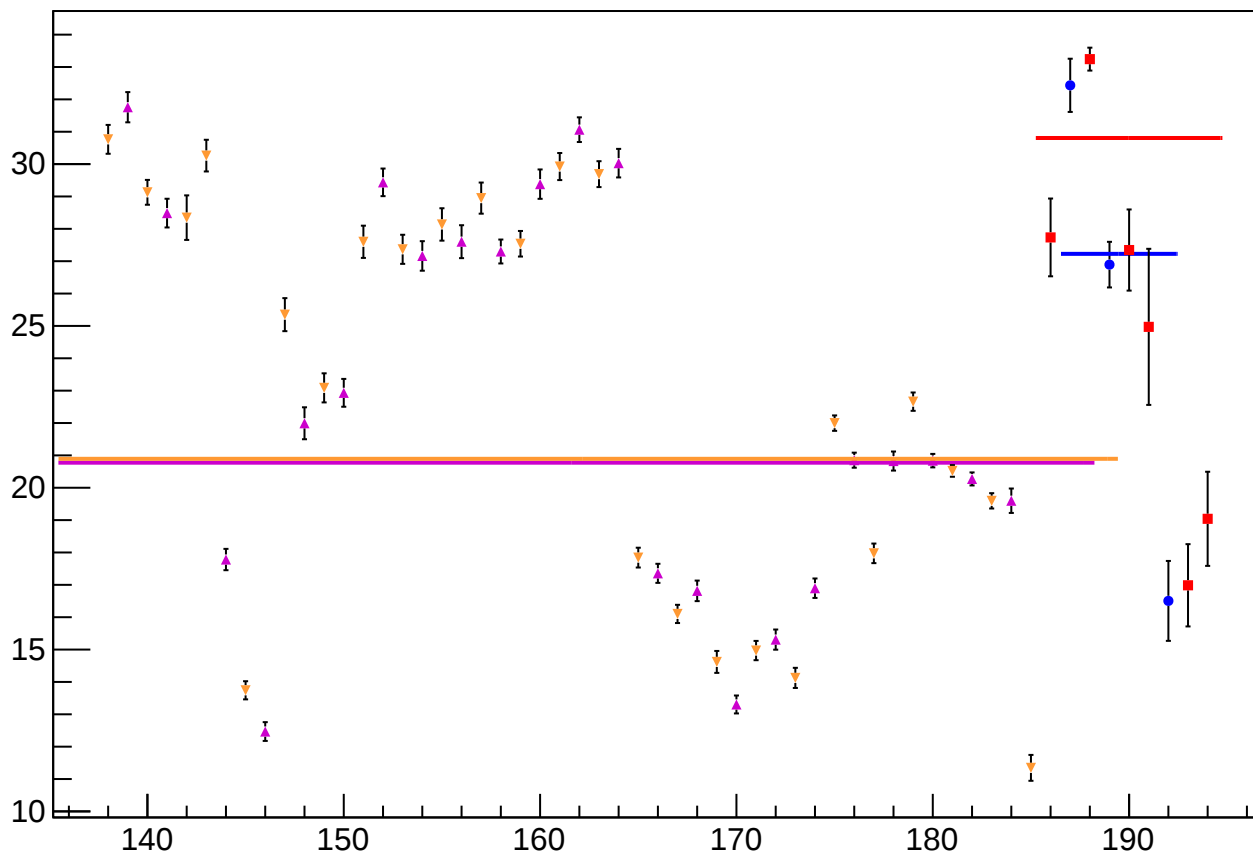
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 8.019 ± 0.695 $\chi^2/\text{NDF}: 259.3/2$
 Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$
 Right Out: 7.667 ± 0.486 $\chi^2/\text{NDF}: 764.1/5$
 Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -2.226 ± 0.054 $\chi^2/\text{NDF}: 1615.8/27$
 All: -2.150 ± 0.038 $\chi^2/\text{NDF}: 4464.1/56$
 - sign -2.073 ± 0.055 $\chi^2/\text{NDF}: 2844.4/28$

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 27.227 $\pm$ 0.491 χ^2 /NDF: 115.8/2

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF:6655.4/24

Right Out: 30.807 $\pm$ 0.308 χ^2 /NDF: 251.1/5

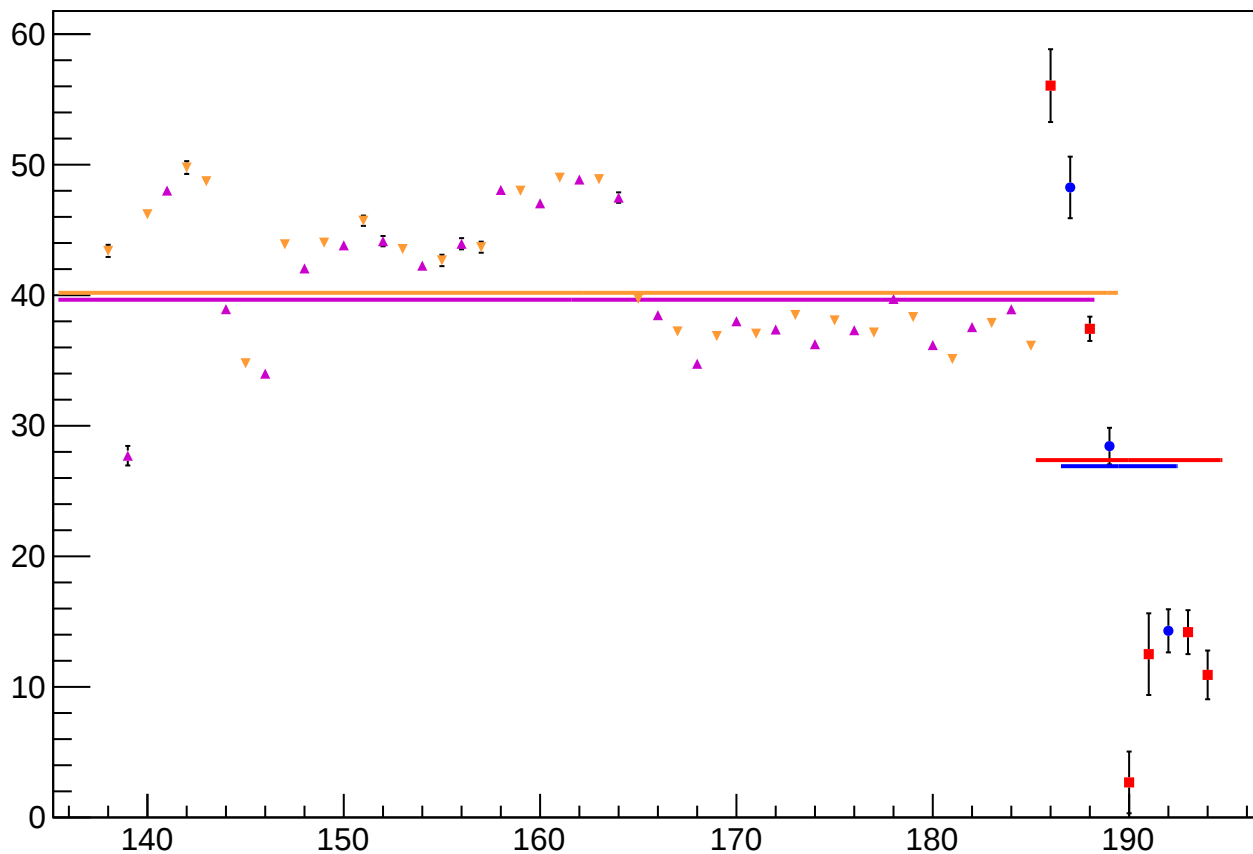
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22

+ sign 21.009 $\pm$ 0.066 χ^2 /NDF: 6934.5/27

All: 21.123 $\pm$ 0.047 χ^2 /NDF: 14134.7/56

- sign 21.236 $\pm$ 0.066 χ^2 /NDF: 7194.3/28

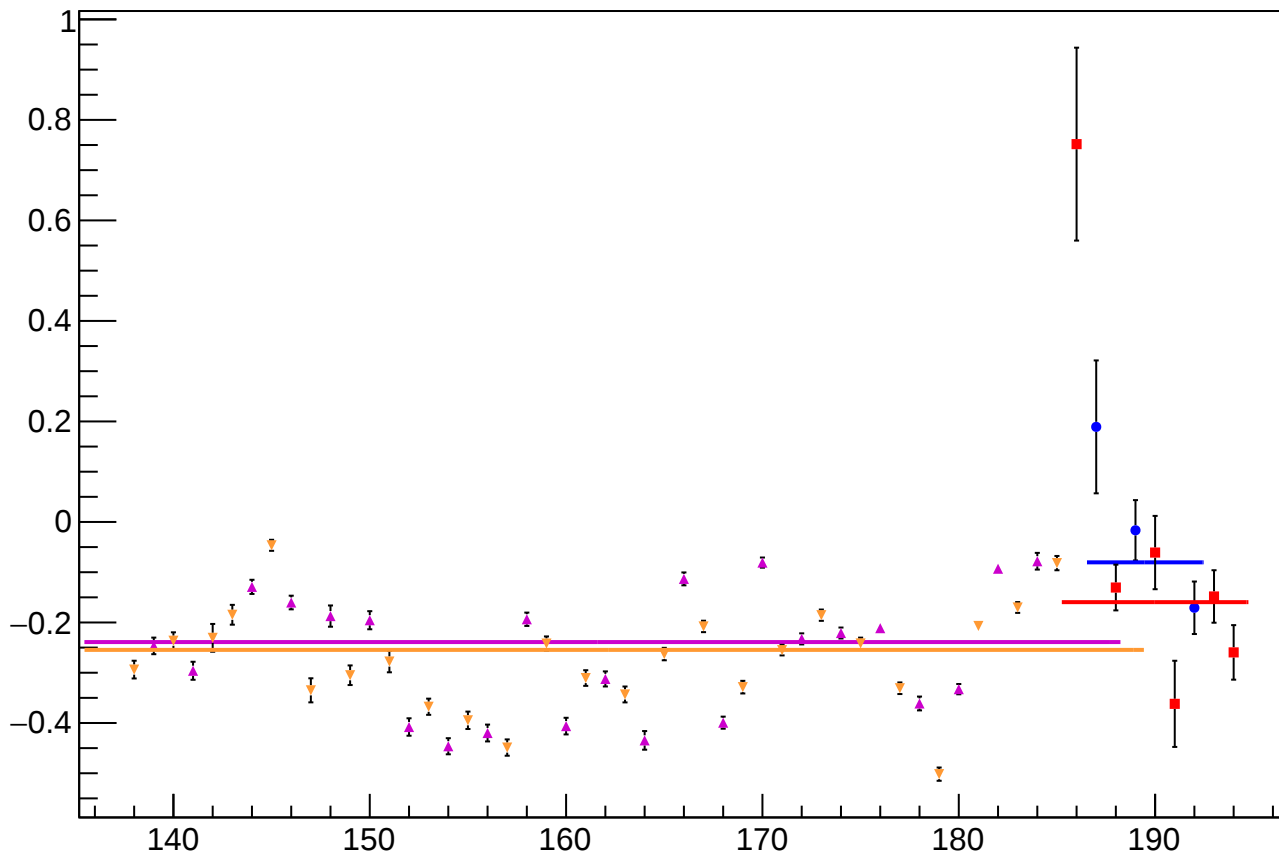
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 26.905 $\pm$ 0.974 χ^2/NDF : 141.5/2
 Left Out: 40.186 $\pm$ 0.060 χ^2/NDF : 5932.7/24
 Right Out: 27.372 $\pm$ 0.673 χ^2/NDF : 493.4/5
 Left In: 39.655 $\pm$ 0.061 χ^2/NDF : 5298.6/22

+ sign 40.135 $\pm$ 0.060 χ^2/NDF : 6259.5/27
 All: 39.849 $\pm$ 0.043 χ^2/NDF : 12427.4/56
 - sign 39.554 $\pm$ 0.061 χ^2/NDF : 6122.0/28

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.080 ± 0.038 χ^2/NDF : 8.3/2

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.160 ± 0.025 χ^2/NDF : 33.8/5

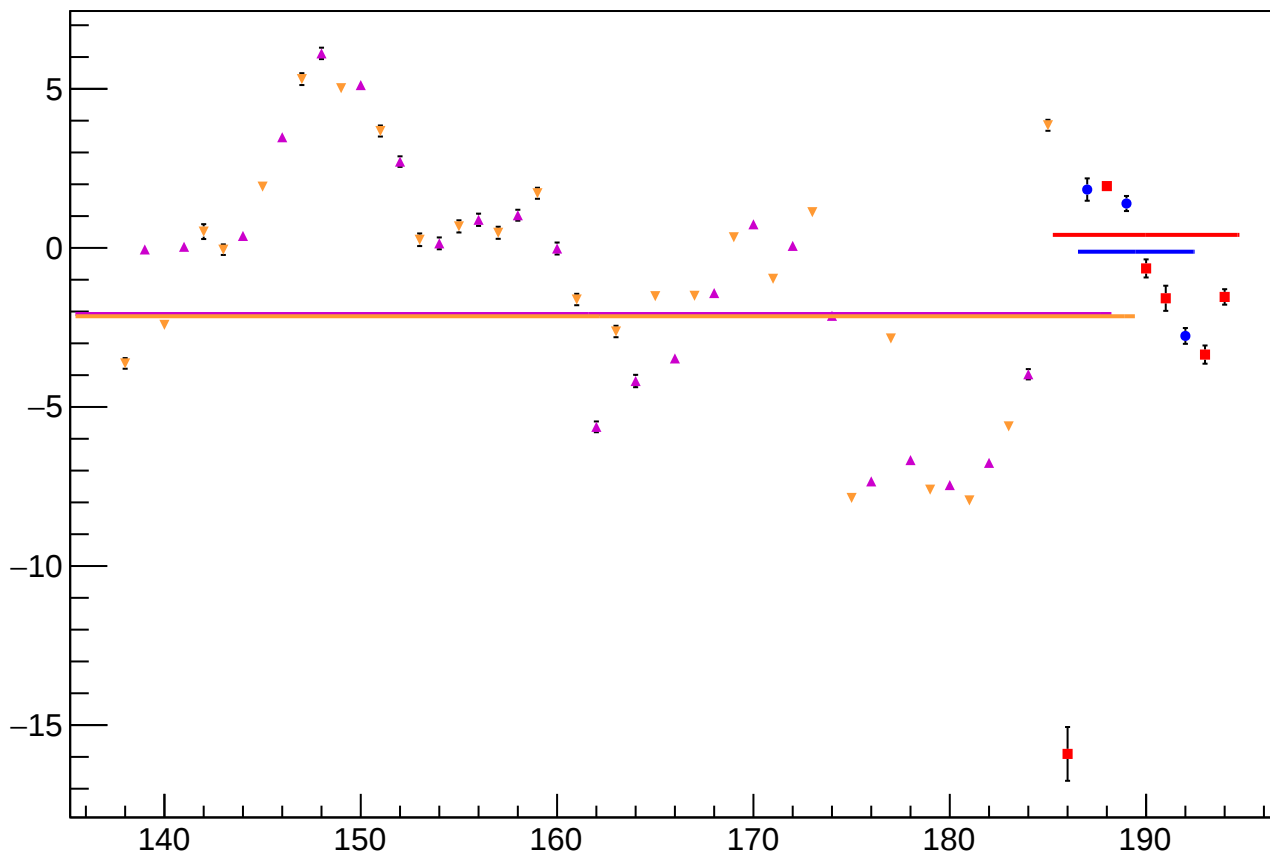
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.254 ± 0.003 χ^2/NDF : 1449.9/27

All: -0.246 ± 0.002 χ^2/NDF : 3259.8/56

- sign -0.238 ± 0.003 χ^2/NDF : 1793.9/28

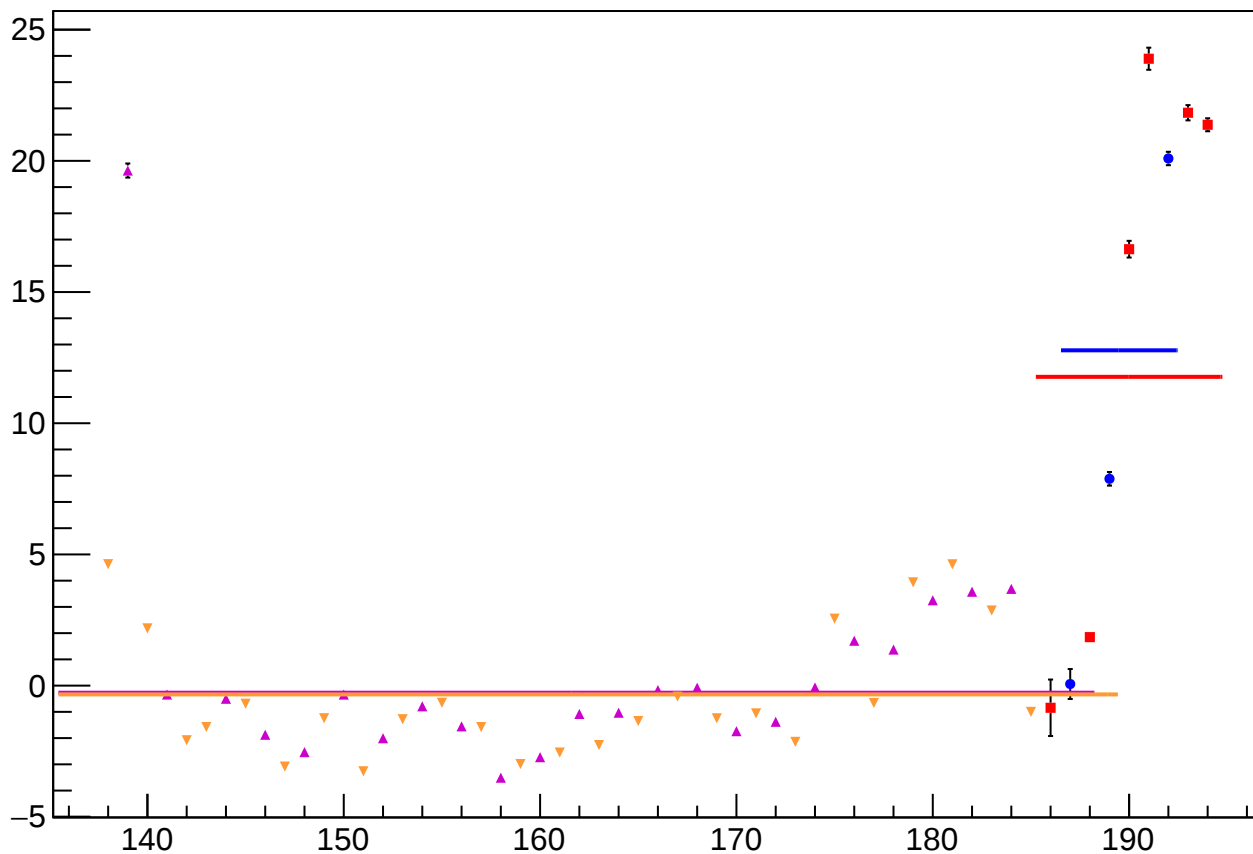
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.119 ± 0.154 χ^2/NDF : 184.9/2
 Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24
 Right Out: 0.410 ± 0.087 χ^2/NDF : 844.3/5
 Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.094 ± 0.025 χ^2/NDF : 24889.6/27
 All: -1.982 ± 0.018 χ^2/NDF : 49770.3/56
 - sign -1.873 ± 0.025 χ^2/NDF : 24841.8/28

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 12.779 $\pm$ 0.173 χ^2 /NDF: 1672.2/2

Left Out: -0.335 $\pm$ 0.021 χ^2 /NDF:12596.1/24

Right Out: 11.769 $\pm$ 0.110 χ^2 /NDF: 7677.9/5

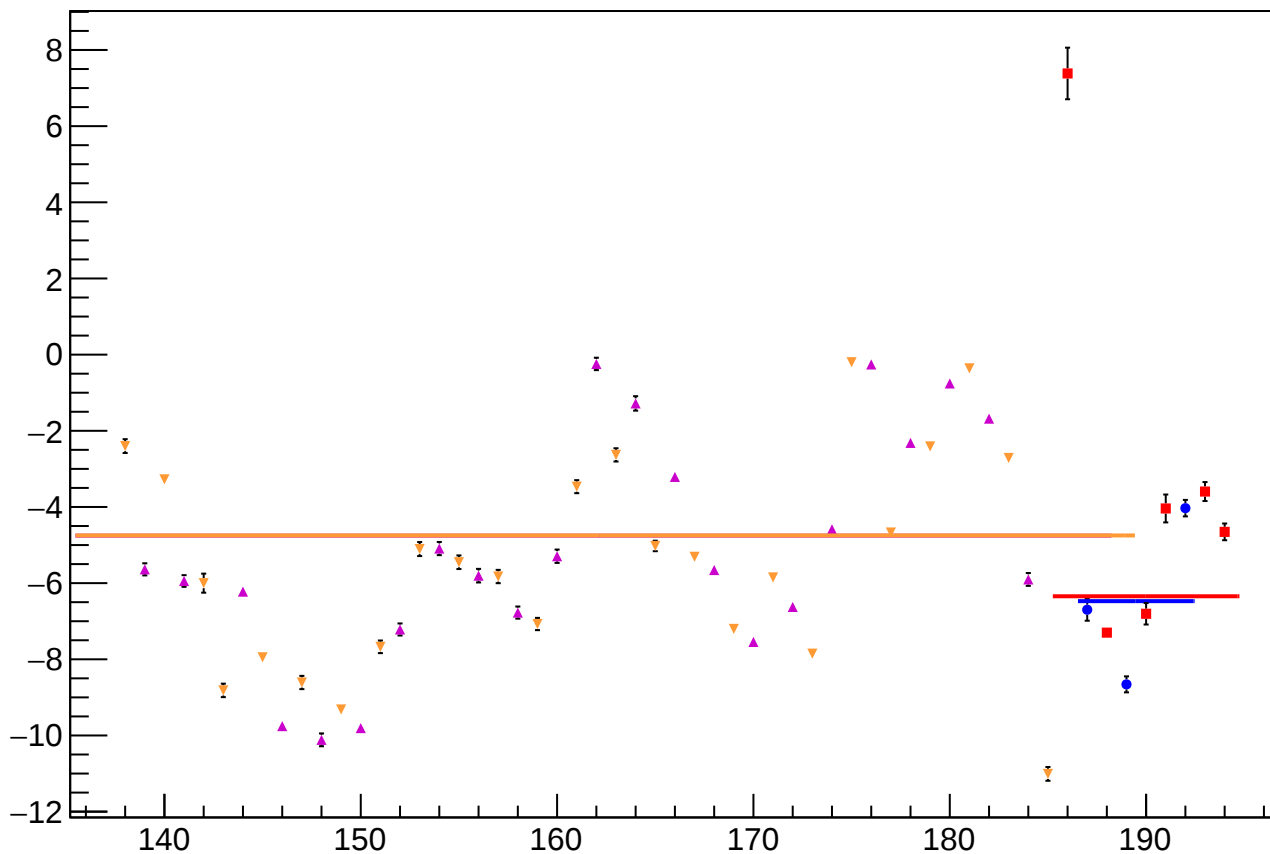
Left In: -0.269 $\pm$ 0.021 χ^2 /NDF:13323.1/22

+ sign -0.153 $\pm$ 0.020 χ^2 /NDF: 19912.0/27

All: -0.001 $\pm$ 0.015 χ^2 /NDF: 52611.3/56

- sign 0.153 $\pm$ 0.021 χ^2 /NDF: 32588.2/28

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -6.473+/-0.134 χ^2/NDF : 235.9/2

Left Out: -4.748+/-0.026 χ^2/NDF :13289.8/24

Right Out: -6.345+/-0.073 χ^2/NDF : 749.9/5

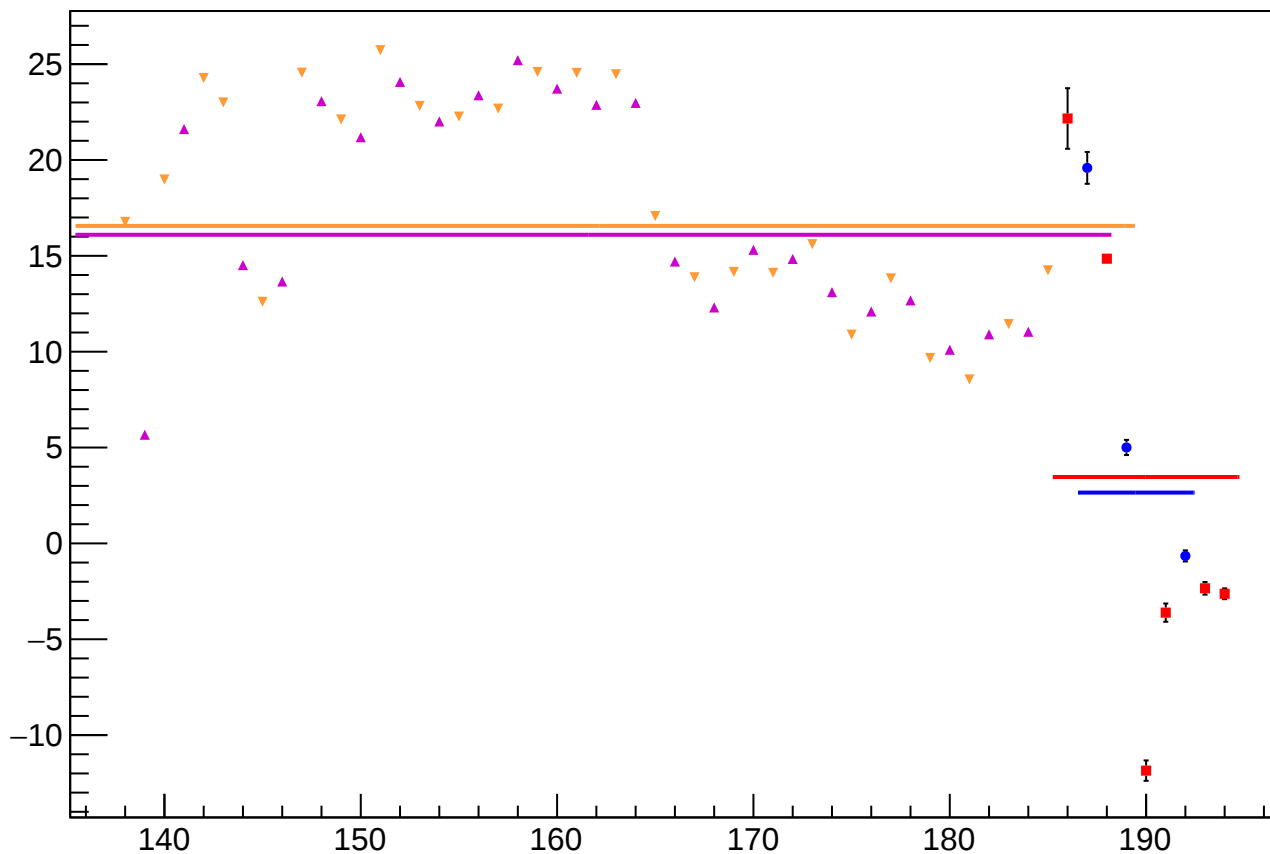
Left In: -4.753+/-0.026 χ^2/NDF :14119.2/22

+ sign -4.810+/-0.025 χ^2/NDF : 13686.0/27

All: -4.873+/-0.018 χ^2/NDF : 28984.4/56

- sign -4.932+/-0.025 χ^2/NDF : 15286.5/28

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 2.650 ± 0.225 χ^2/NDF : 581.3/2

Left Out: 16.563 ± 0.023 χ^2/NDF : 53858.5/24

Right Out: 3.463 ± 0.144 χ^2/NDF : 4338.6/5

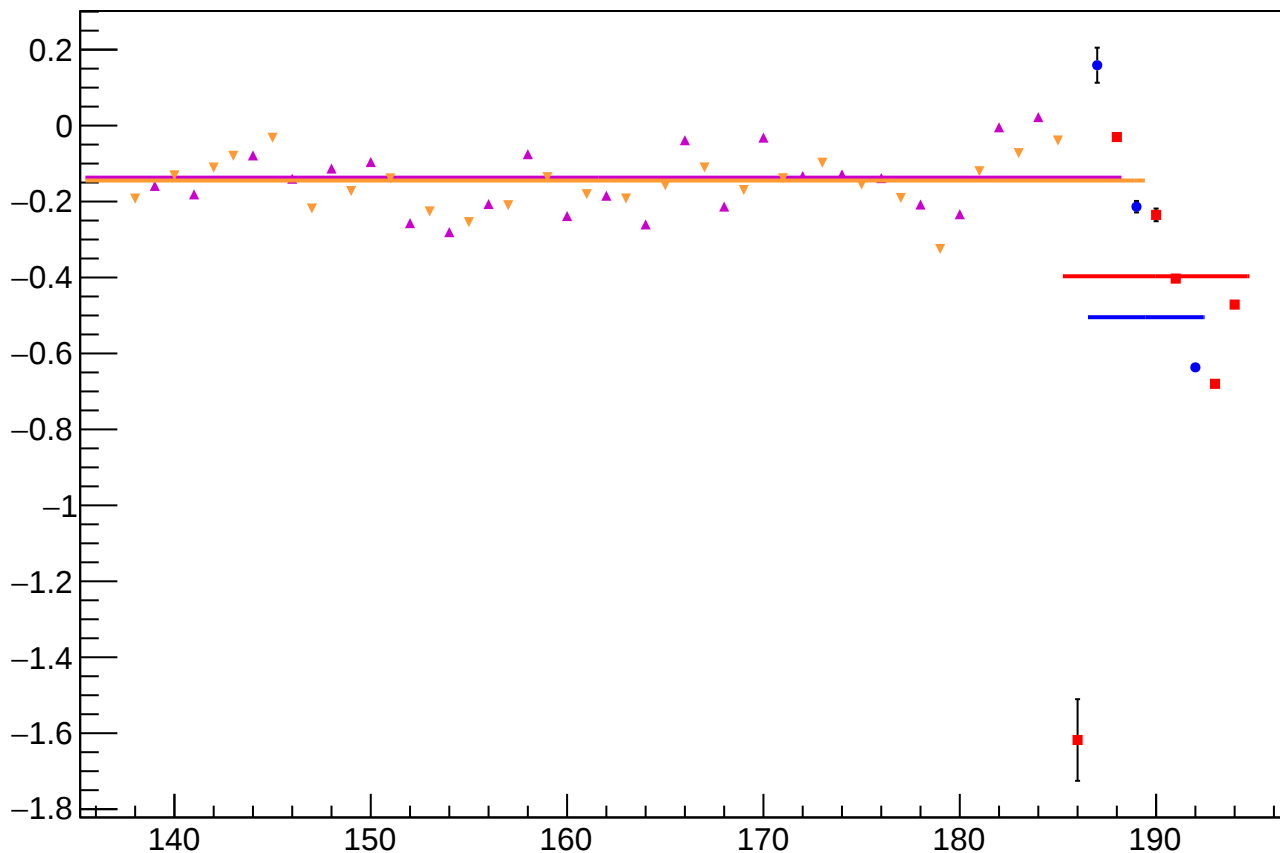
Left In: 16.098 ± 0.024 χ^2/NDF : 42345.7/22

+ sign 16.417 ± 0.023 χ^2/NDF : 58234.3/27

All: 16.095 ± 0.016 χ^2/NDF : 112838.1/56

- sign 15.768 ± 0.023 χ^2/NDF : 54210.5/28

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.505 ± 0.008 χ^2/NDF : 785.7/2

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.397 ± 0.005 χ^2/NDF : 2310.7/5

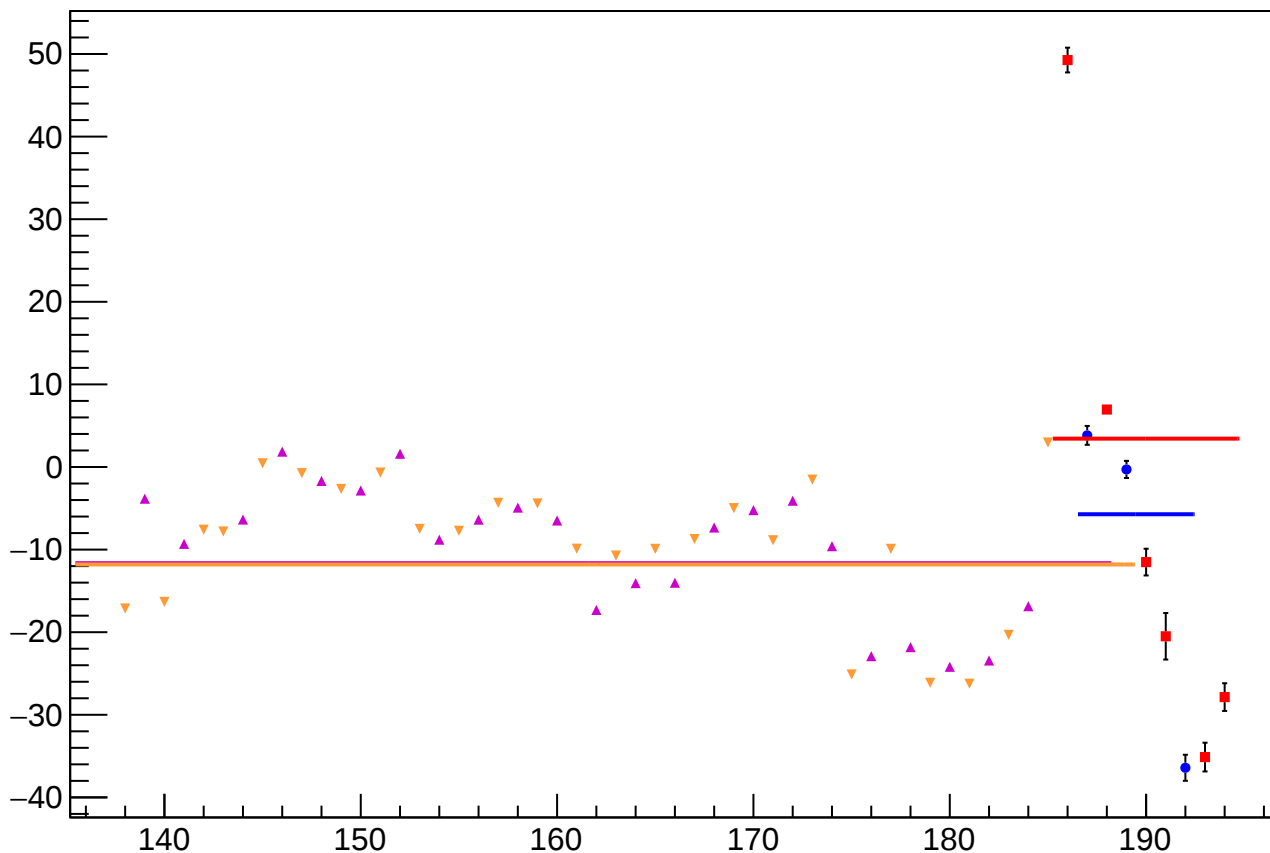
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.151 ± 0.001 χ^2/NDF : 6694.7/27

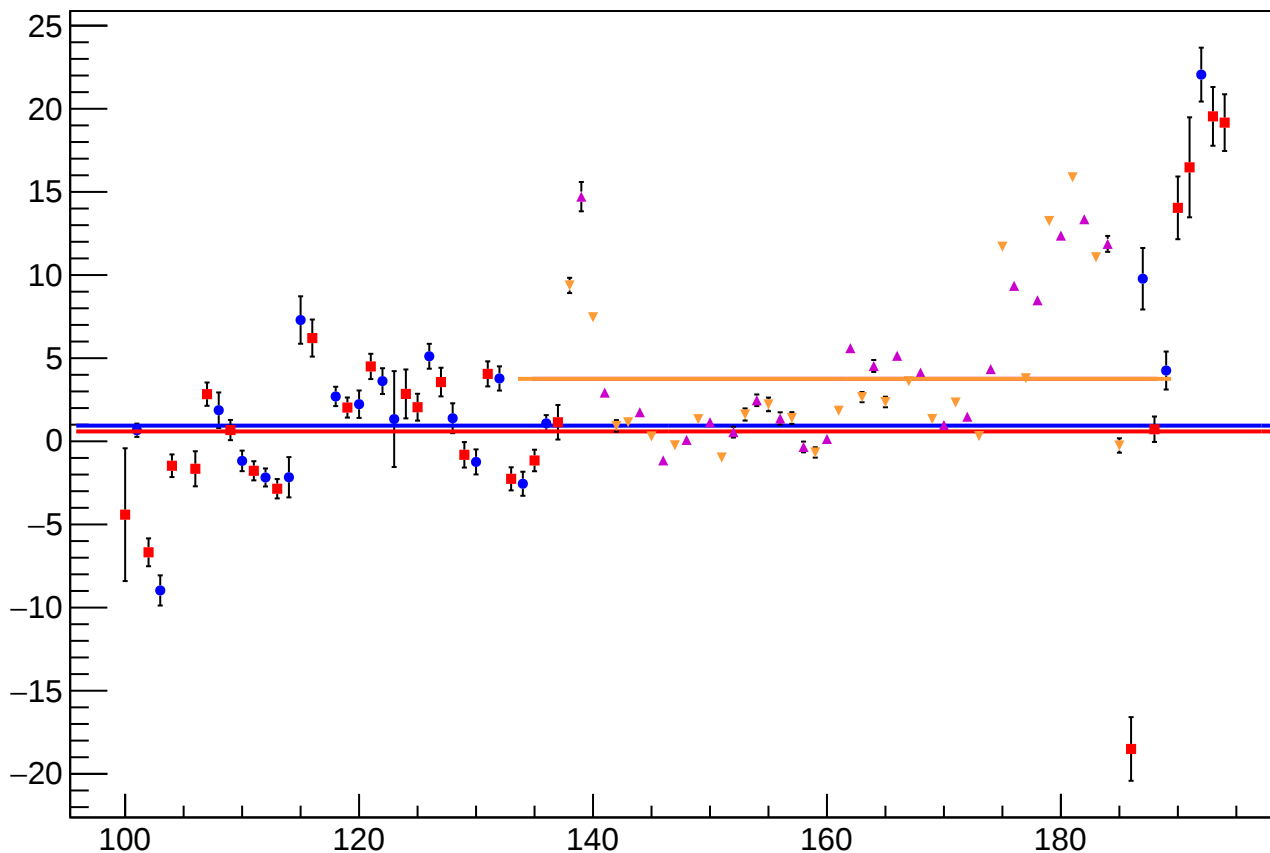
All: -0.150 ± 0.001 χ^2/NDF : 17174.9/56

- sign -0.149 ± 0.001 χ^2/NDF : 10478.6/28

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.943 ± 0.167 χ^2/NDF : 494.7/19

Left Out: 3.757 ± 0.056 χ^2/NDF : 7450.7/24

Right Out: 0.594 ± 0.167 χ^2/NDF : 688.3/24

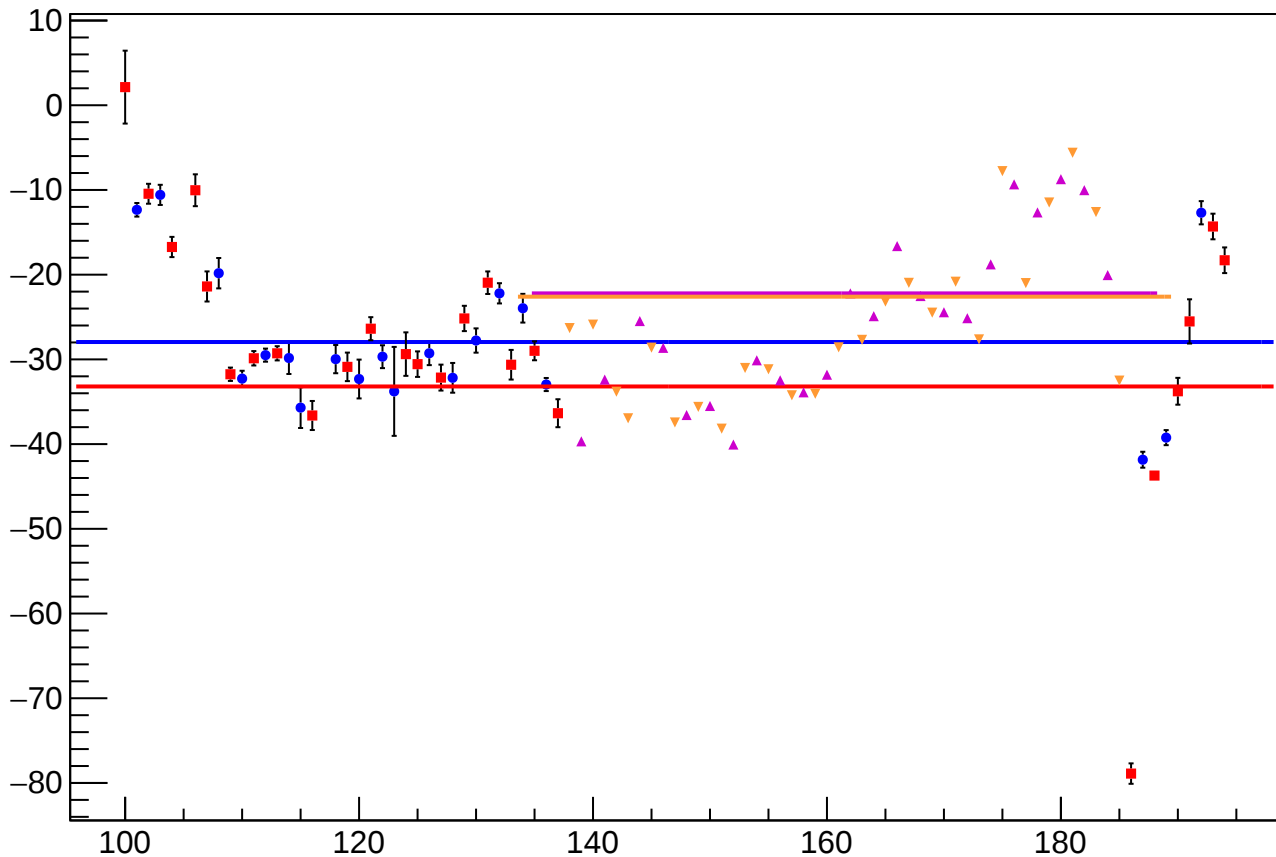
Left In: 3.757 ± 0.057 χ^2/NDF : 5629.4/22

+ sign 3.477 ± 0.053 χ^2/NDF : 8200.9/44

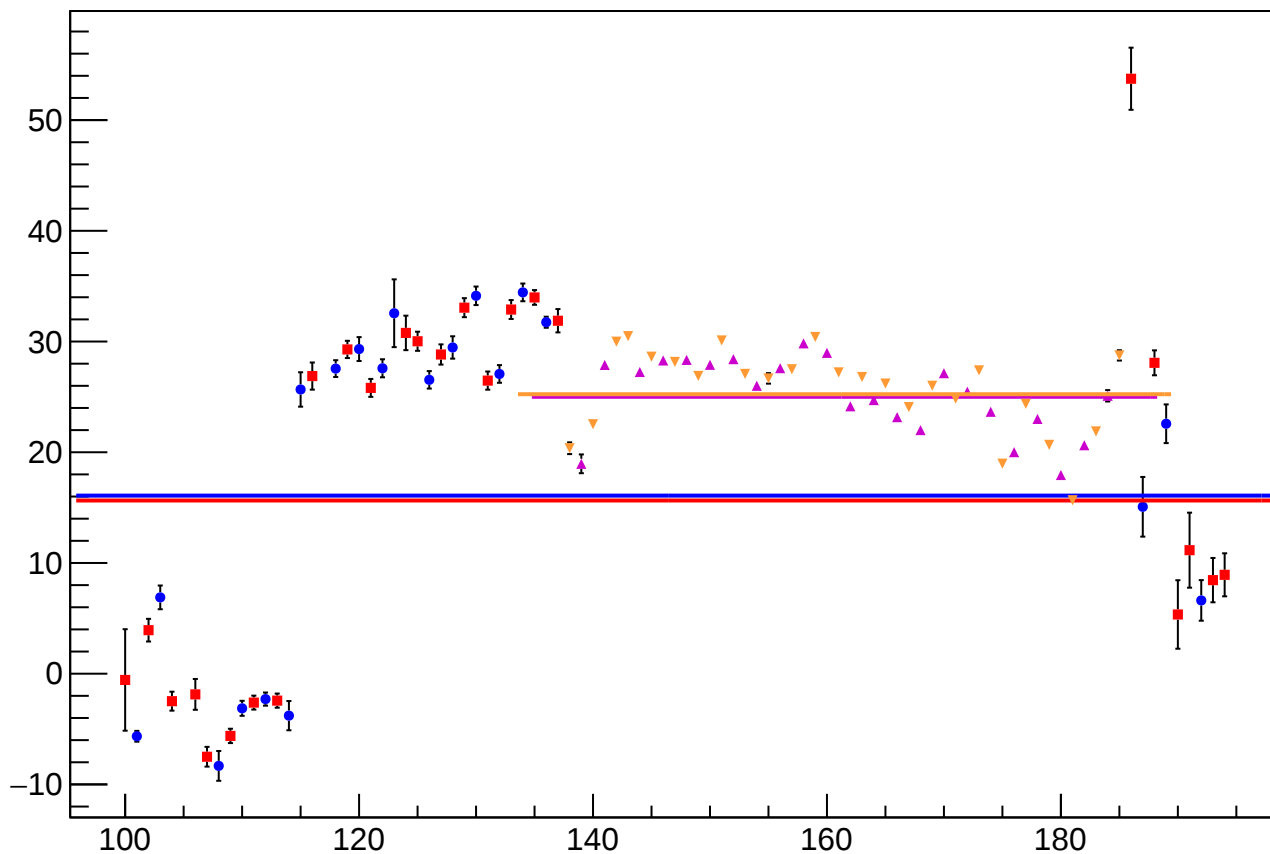
All: 3.455 ± 0.038 χ^2/NDF : 14839.8/92

- sign 3.432 ± 0.054 χ^2/NDF : 6638.5/47

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.084 $\pm$ 0.190 χ^2 /NDF: 7582.7/19

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.643 $\pm$ 0.191 χ^2 /NDF: 7609.2/24

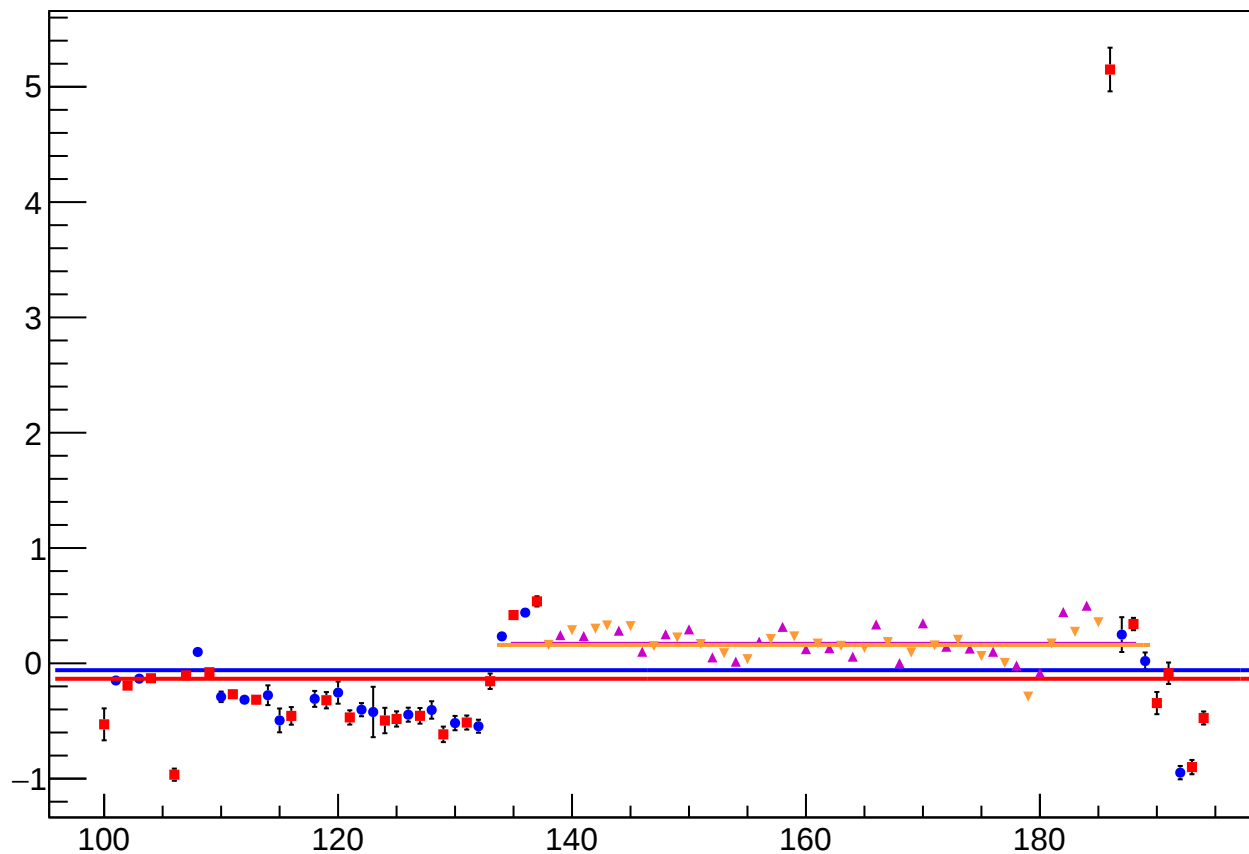
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.342 $\pm$ 0.059 χ^2 /NDF: 13469.7/44

All: 24.209 $\pm$ 0.042 χ^2 /NDF: 25965.8/92

- sign 24.071 $\pm$ 0.061 χ^2 /NDF: 12485.9/47

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.059 ± 0.010 χ^2/NDF : 1257.5/19

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.134 ± 0.010 χ^2/NDF : 2210.2/24

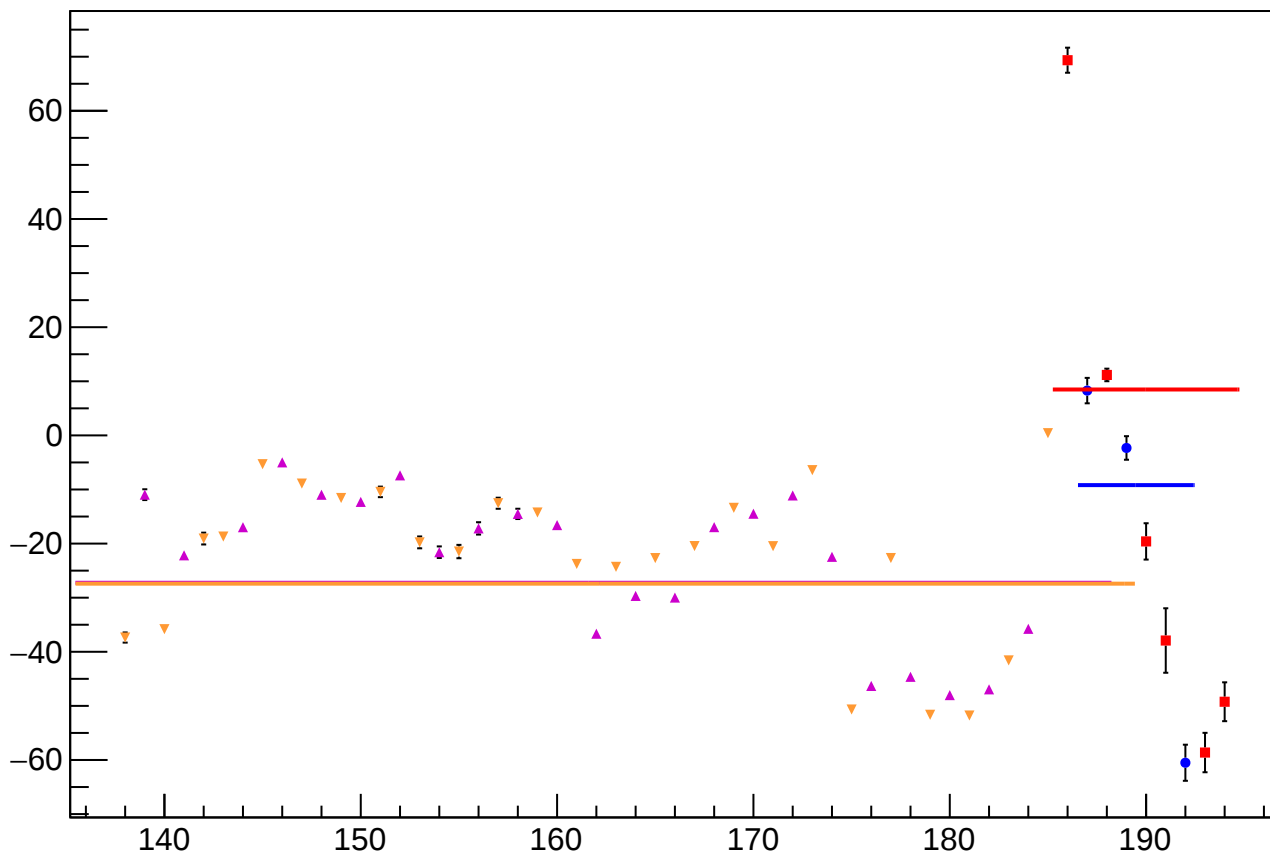
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.143 ± 0.003 χ^2/NDF : 3559.2/44

All: 0.144 ± 0.002 χ^2/NDF : 9069.1/92

- sign 0.144 ± 0.003 χ^2/NDF : 5509.8/47

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -9.191 ± 1.441 χ^2/NDF : 301.8/2

Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24

Right Out: 8.485 ± 0.914 χ^2/NDF : 1423.5/5

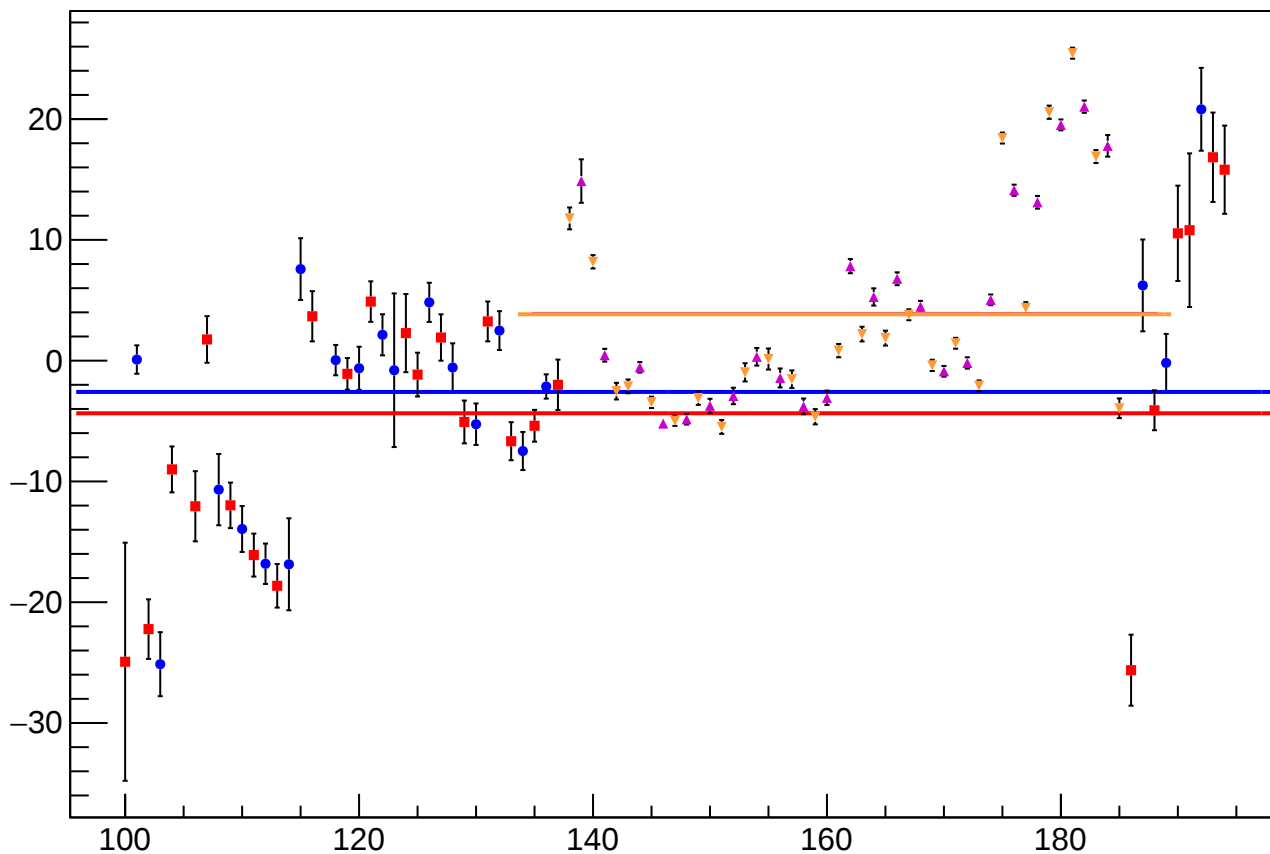
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -27.245 ± 0.136 χ^2/NDF : 15310.6/27

All: -26.842 ± 0.097 χ^2/NDF : 29551.2/56

- sign -26.431 ± 0.138 χ^2/NDF : 14222.9/28

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.590 ± 0.401 χ^2/NDF : 333.3/19

Left Out: 3.841 ± 0.109 χ^2/NDF : 6939.2/24

Right Out: -4.356 ± 0.402 χ^2/NDF : 433.1/24

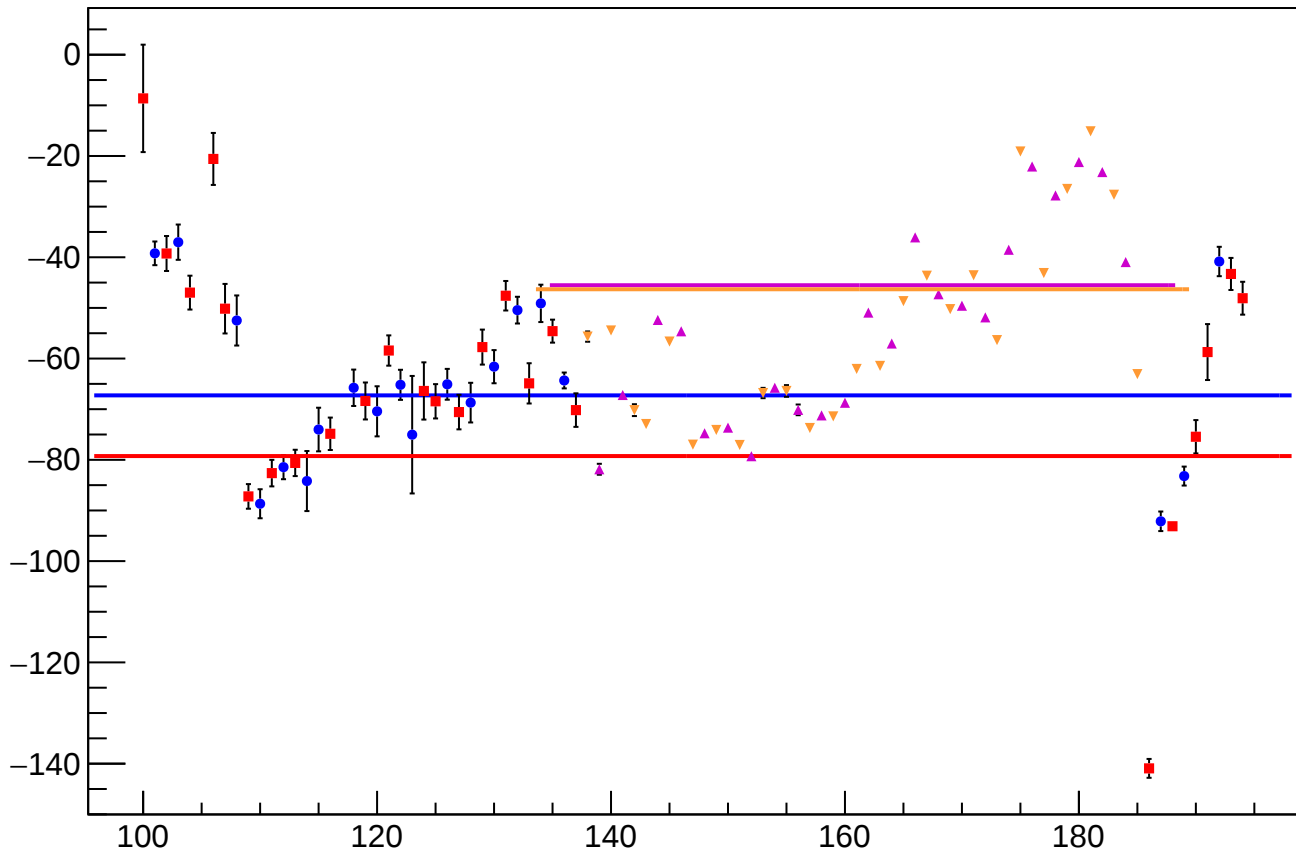
Left In: 3.866 ± 0.111 χ^2/NDF : 5424.0/22

+ sign 3.396 ± 0.105 χ^2/NDF : 7512.3/44

All: 3.339 ± 0.075 χ^2/NDF : 13759.4/92

- sign 3.280 ± 0.107 χ^2/NDF : 6246.5/47

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -67.273 $\pm$ 0.634 χ^2/NDF : 724.8/19

Left Out: -46.318 $\pm$ 0.138 χ^2/NDF : 20134.6/24

Right Out: -79.256 $\pm$ 0.534 χ^2/NDF : 2378.5/24

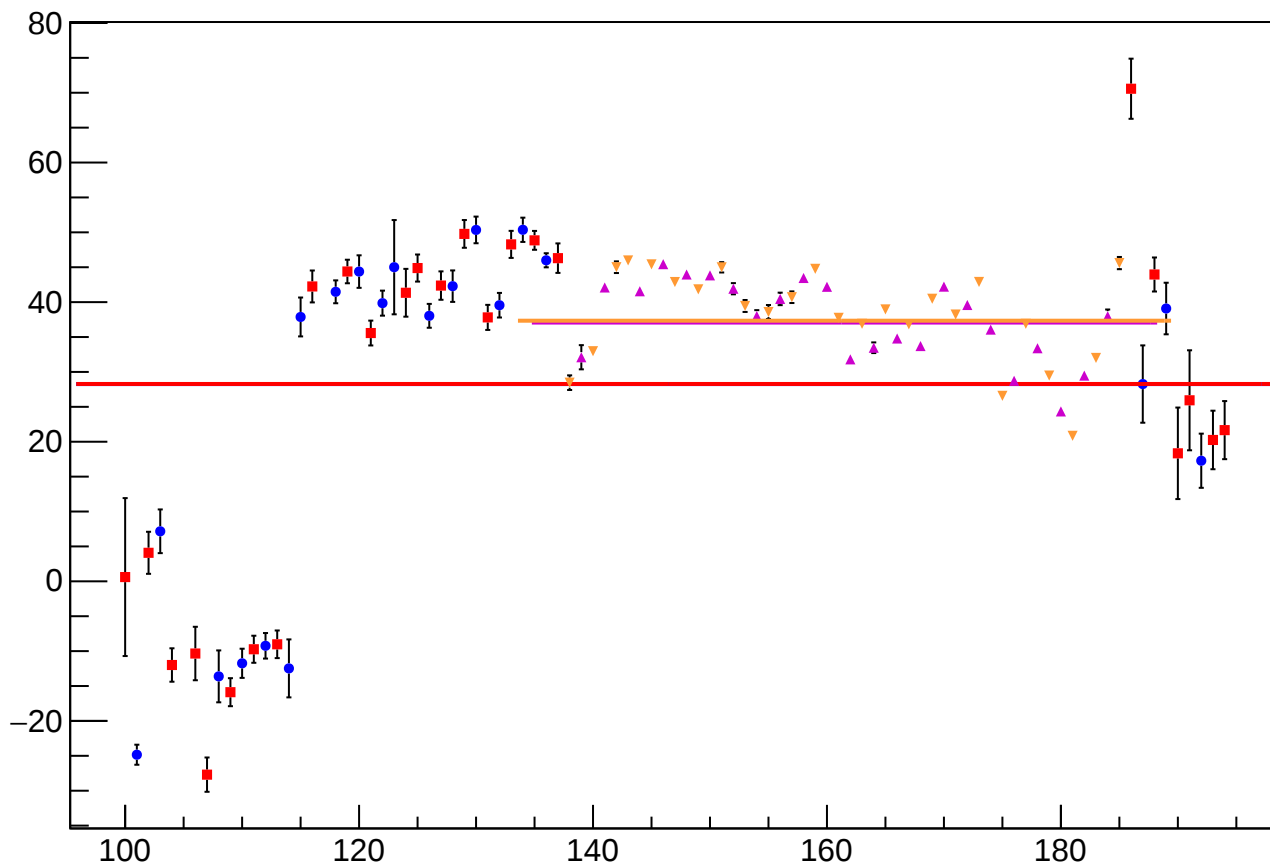
Left In: -45.522 $\pm$ 0.140 χ^2/NDF : 17525.4/22

+ sign -47.266 $\pm$ 0.135 χ^2/NDF : 21903.3/44

All: -47.475 $\pm$ 0.095 χ^2/NDF : 45551.1/92

- sign -47.686 $\pm$ 0.135 χ^2/NDF : 23643.0/47

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.261 $\pm$ 0.453 χ^2 /NDF: 3327.5/19

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.275 $\pm$ 0.460 χ^2 /NDF: 3181.2/24

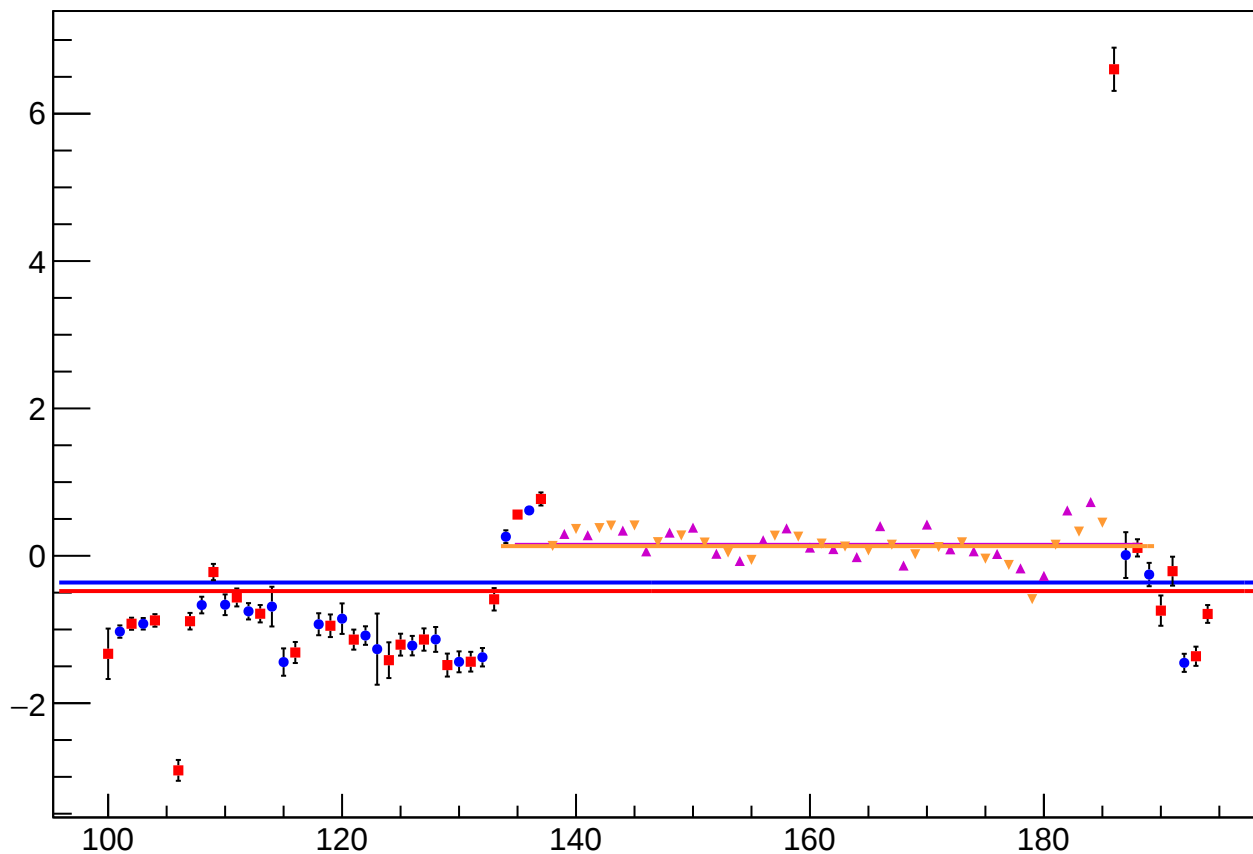
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.717 $\pm$ 0.119 χ^2 /NDF: 6851.3/44

All: 36.594 $\pm$ 0.085 χ^2 /NDF: 12772.7/92

- sign 36.467 $\pm$ 0.121 χ^2 /NDF: 5919.3/47

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.362 ± 0.024 $\chi^2/\text{NDF}: 1093.4/19$

Left Out: 0.131 ± 0.006 $\chi^2/\text{NDF}: 1426.3/24$

Right Out: -0.479 ± 0.024 $\chi^2/\text{NDF}: 1825.7/24$

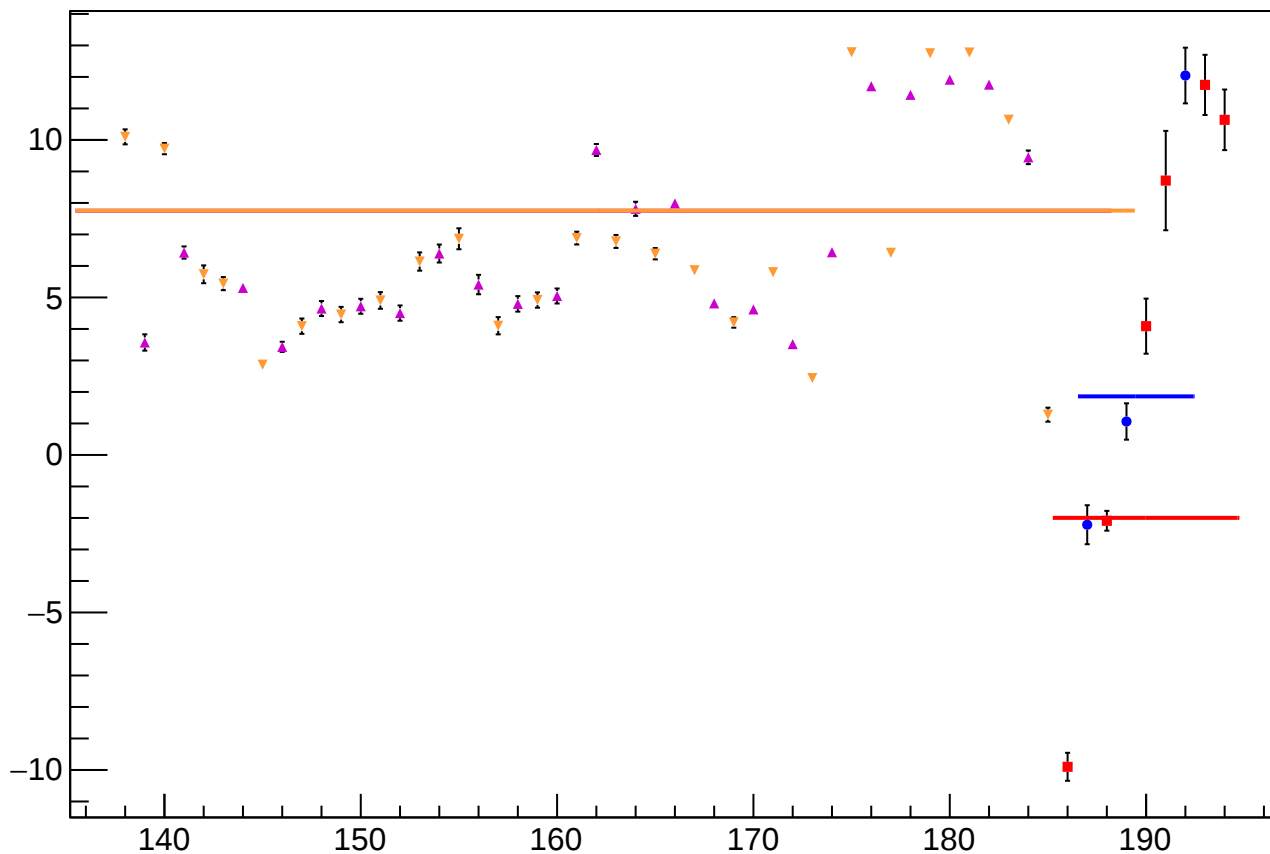
Left In: 0.149 ± 0.006 $\chi^2/\text{NDF}: 1803.6/22$

+ sign 0.106 ± 0.005 $\chi^2/\text{NDF}: 2917.3/44$

All: 0.110 ± 0.004 $\chi^2/\text{NDF}: 7204.7/92$

- sign 0.114 ± 0.006 $\chi^2/\text{NDF}: 4286.3/47$

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 1.859 ± 0.381 $\chi^2/\text{NDF}: 177.9/2$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: -1.996 ± 0.229 $\chi^2/\text{NDF}: 790.6/5$

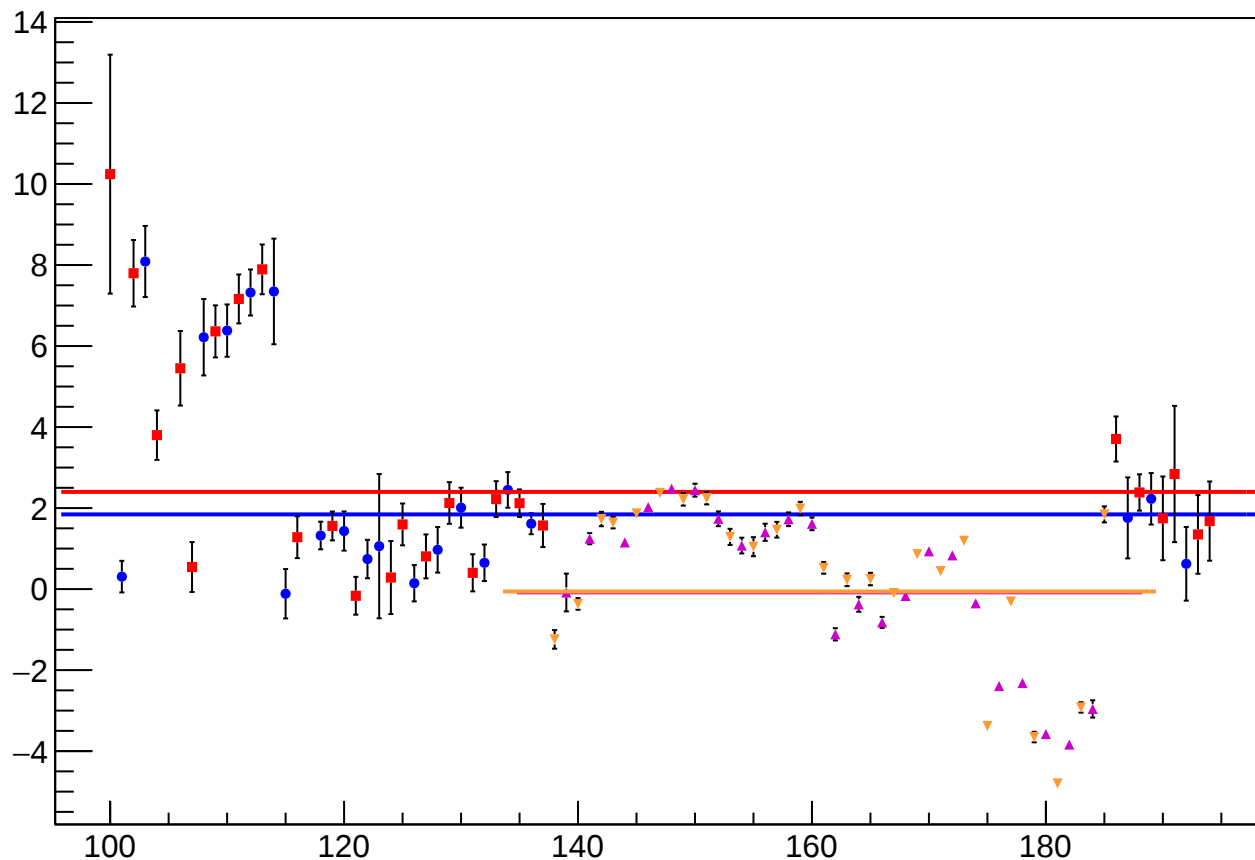
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.710 ± 0.034 $\chi^2/\text{NDF}: 12144.5/27$

All: 7.621 ± 0.024 $\chi^2/\text{NDF}: 23063.8/56$

- sign 7.530 ± 0.035 $\chi^2/\text{NDF}: 10905.6/28$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.844+/-0.114 χ^2/NDF : 295.4/19

Left Out: -0.059+/-0.028 χ^2/NDF : 6068.8/24

Right Out: 2.399+/-0.113 χ^2/NDF : 343.3/24

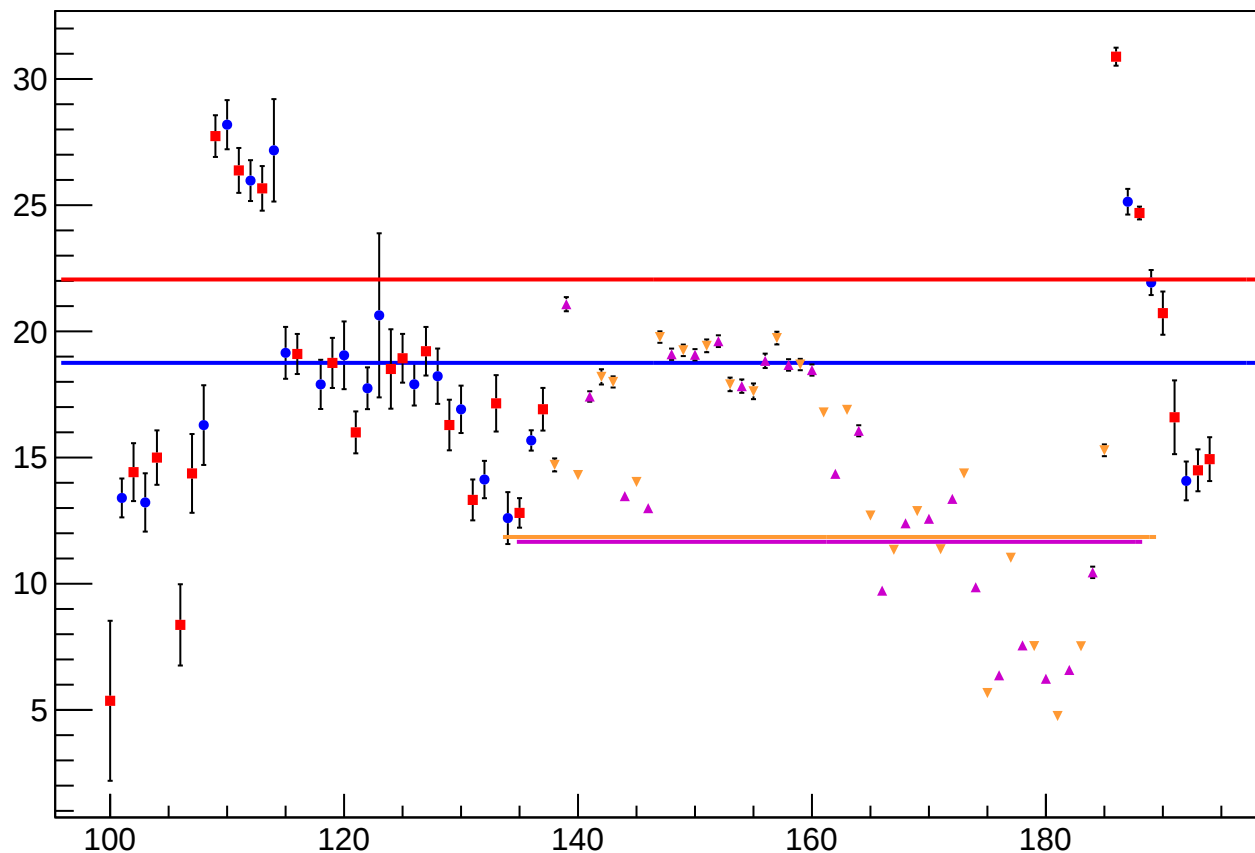
Left In: -0.080+/-0.028 χ^2/NDF : 4979.5/22

+ sign 0.048+/-0.027 χ^2/NDF : 6628.6/44

All: 0.056+/-0.019 χ^2/NDF : 12403.0/92

- sign 0.065+/-0.027 χ^2/NDF : 5774.2/47

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.752 $\pm$ 0.178 χ^2 /NDF: 640.9/19

Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24

Right Out: 22.056 $\pm$ 0.143 χ^2 /NDF: 1742.2/24

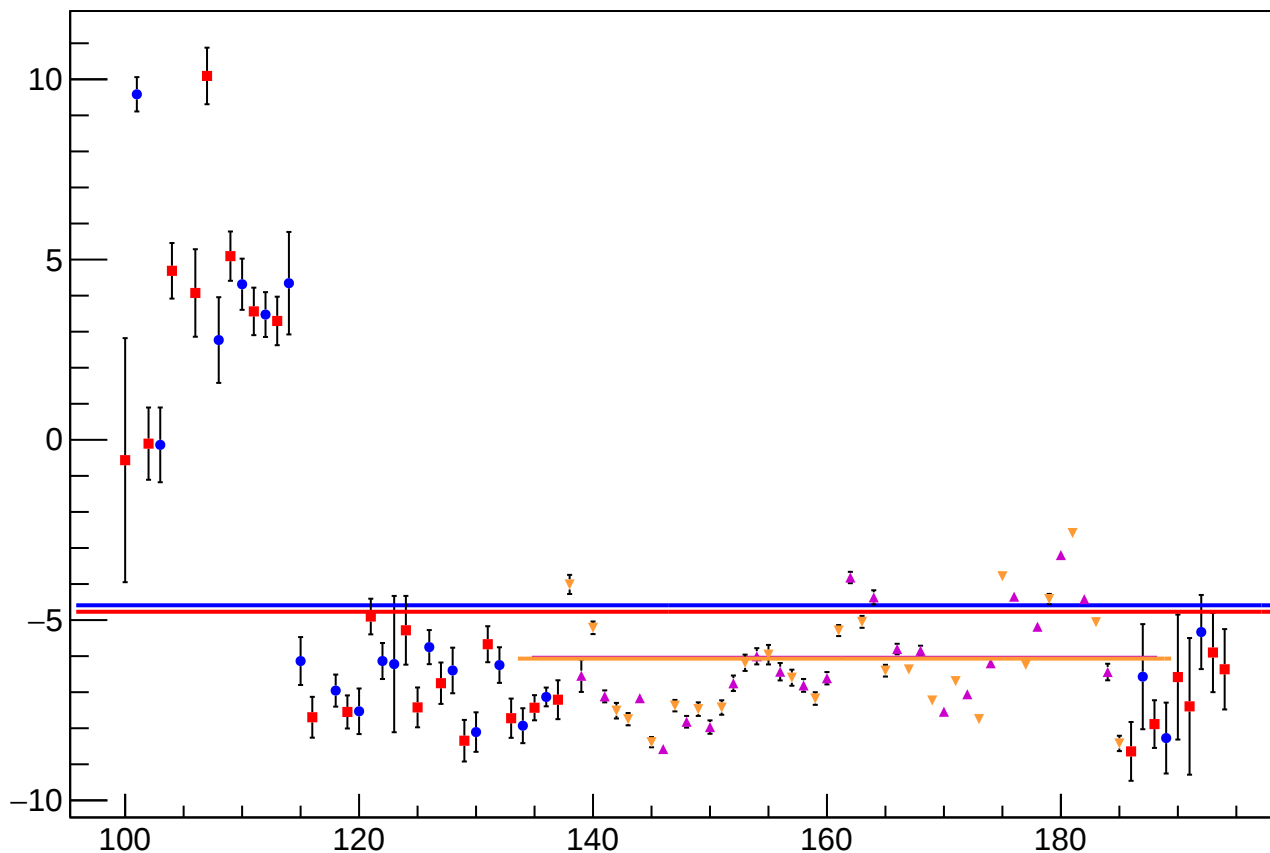
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.106 $\pm$ 0.034 χ^2 /NDF: 21243.2/44

All: 12.179 $\pm$ 0.024 χ^2 /NDF: 44671.9/92

- sign 12.252 $\pm$ 0.034 χ^2 /NDF: 23419.6/47

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.589 ± 0.128 χ^2/NDF : 1599.7/19

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.769 ± 0.130 χ^2/NDF : 1396.5/24

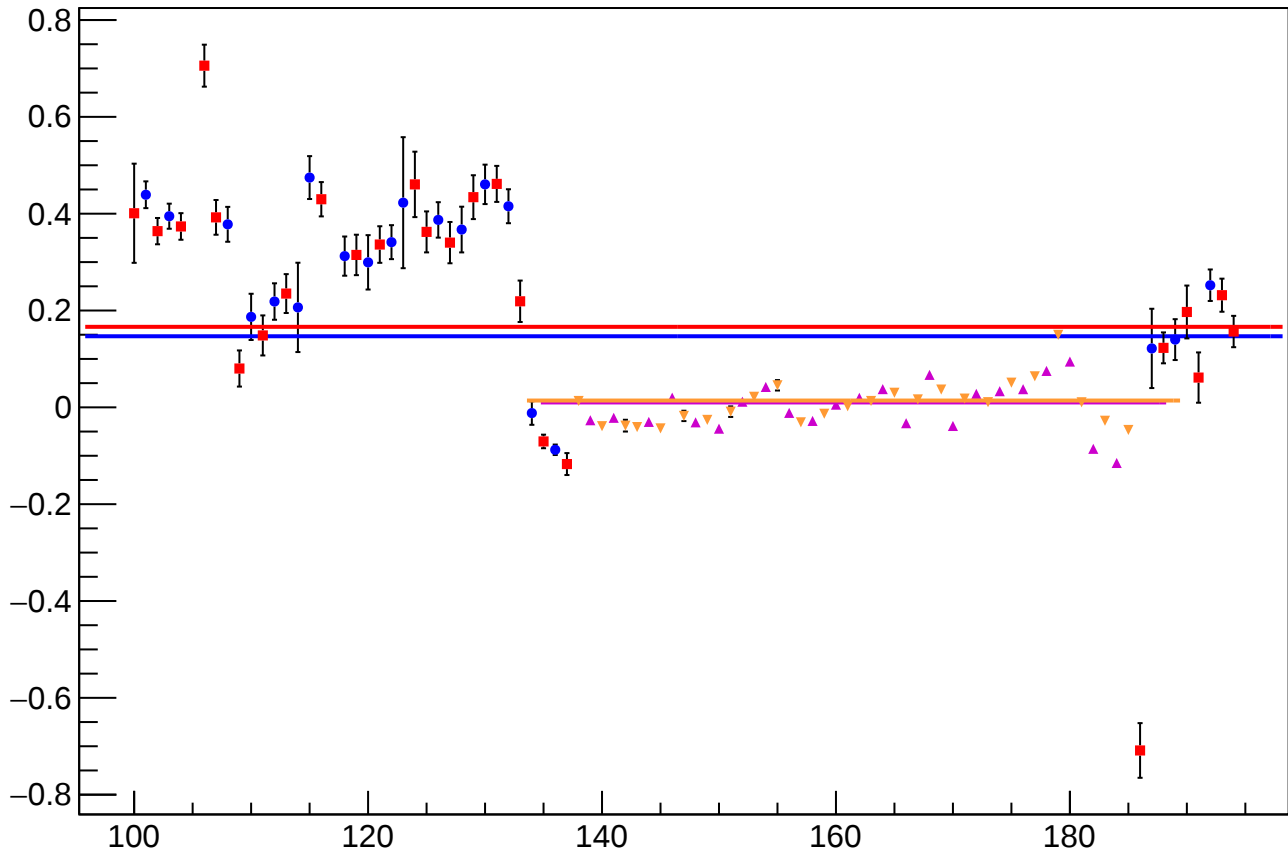
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.986 ± 0.030 χ^2/NDF : 4397.6/44

All: -5.980 ± 0.022 χ^2/NDF : 8178.8/92

- sign -5.973 ± 0.031 χ^2/NDF : 3781.1/47

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.147 $\pm$ 0.007 χ^2 /NDF: 1068.8/19

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF: 956.2/24

Right Out: 0.166 $\pm$ 0.007 χ^2 /NDF: 1254.0/24

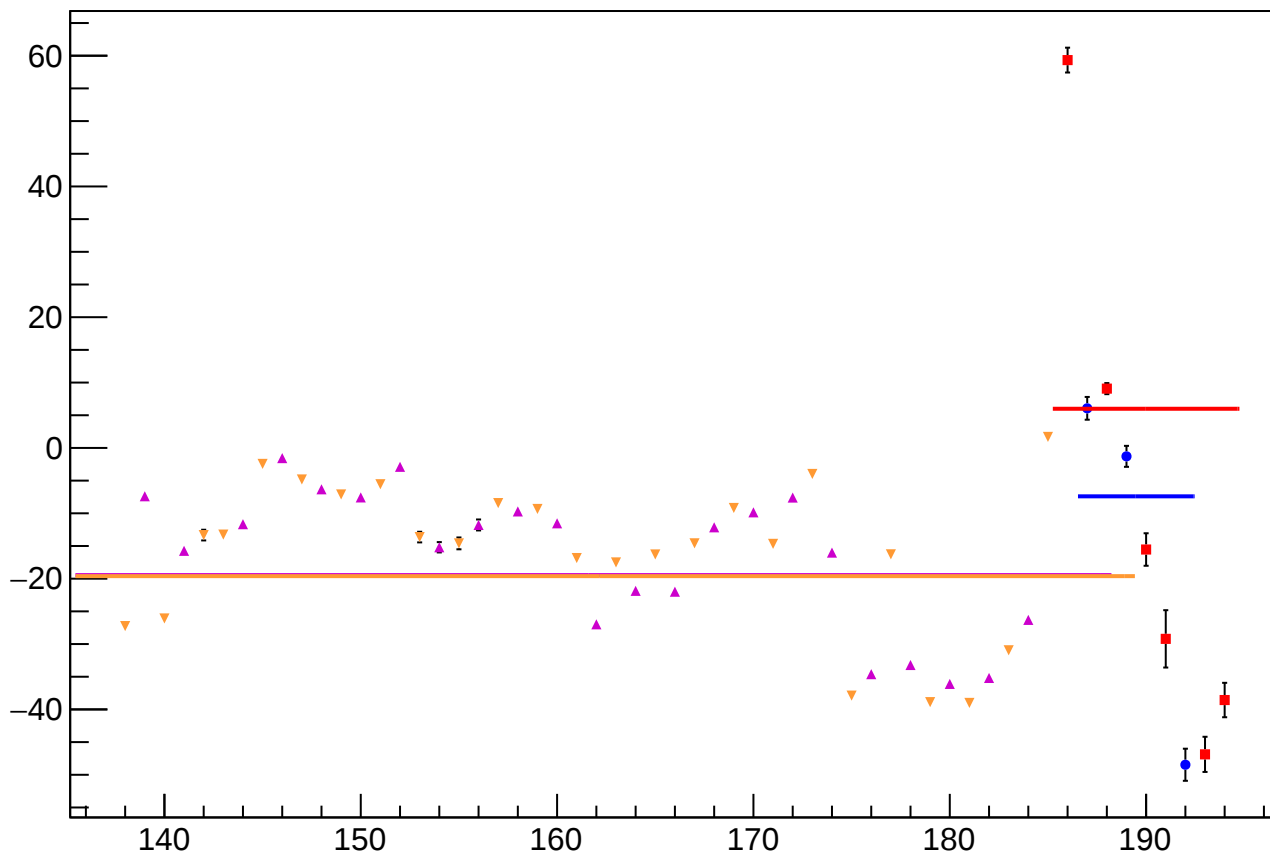
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.020 $\pm$ 0.001 χ^2 /NDF: 2390.3/44

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5375.3/92

- sign 0.017 $\pm$ 0.001 χ^2 /NDF: 2983.2/47

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -7.403 ± 1.064 χ^2/NDF : 354.0/2

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: 5.992 ± 0.680 χ^2/NDF : 1612.9/5

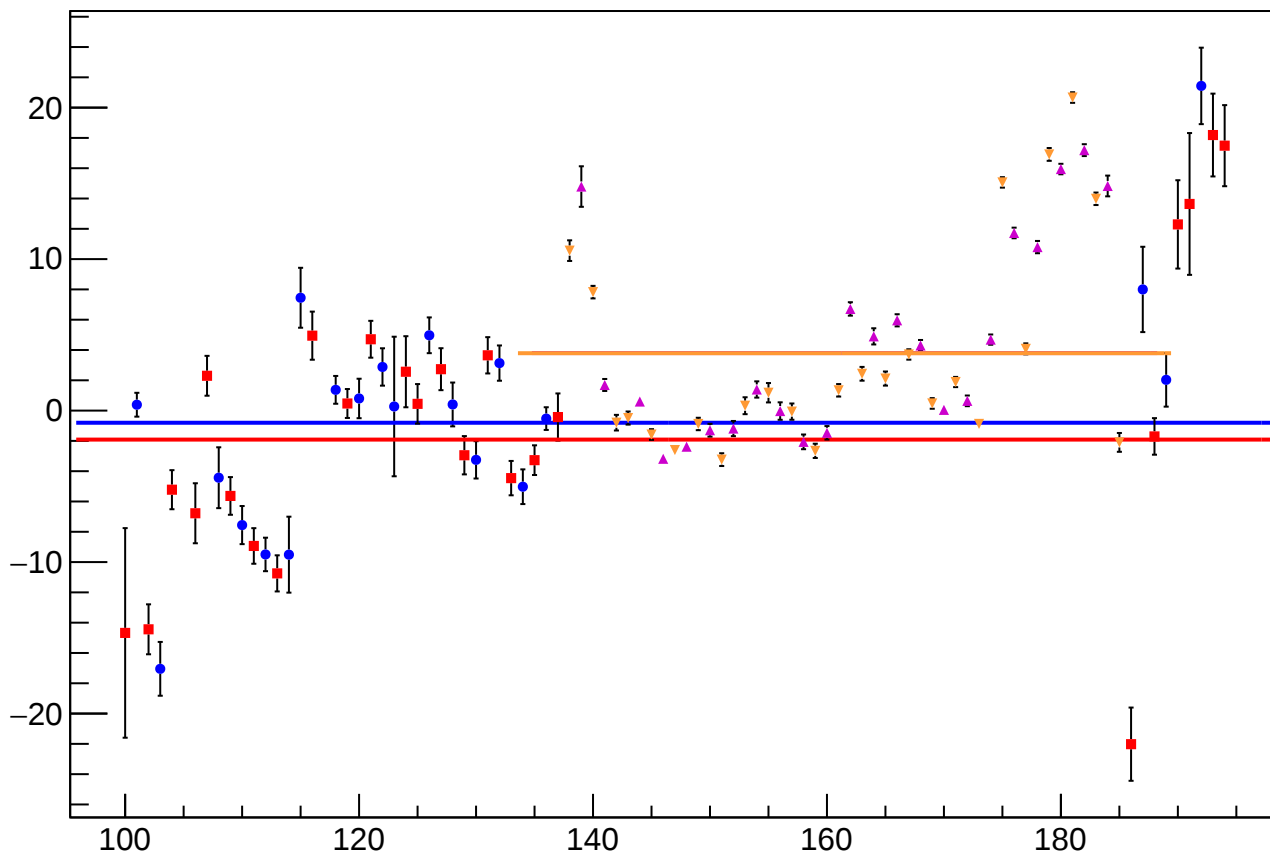
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -19.498 ± 0.103 χ^2/NDF : 16245.8/27

All: -19.181 ± 0.073 χ^2/NDF : 31529.1/56

- sign -18.857 ± 0.104 χ^2/NDF : 15264.0/28

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.802 ± 0.286 χ^2/NDF : 369.1/19

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -1.914 ± 0.286 χ^2/NDF : 496.9/24

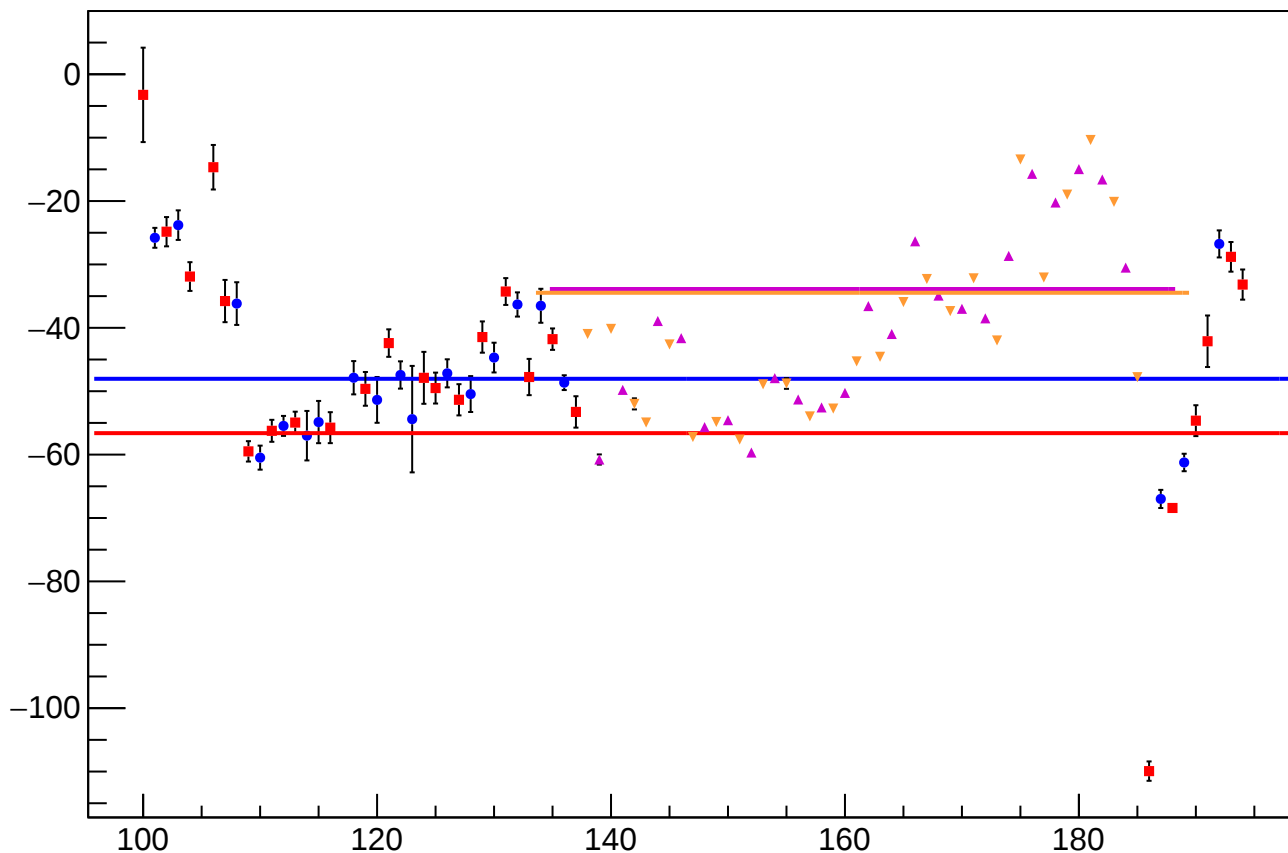
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.438 ± 0.079 χ^2/NDF : 7758.3/44

All: 3.395 ± 0.056 χ^2/NDF : 14139.8/92

- sign 3.350 ± 0.080 χ^2/NDF : 6380.9/47

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -48.040 ± 0.454 χ^2/NDF : 823.4/19

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -56.615 ± 0.386 χ^2/NDF : 2618.0/24

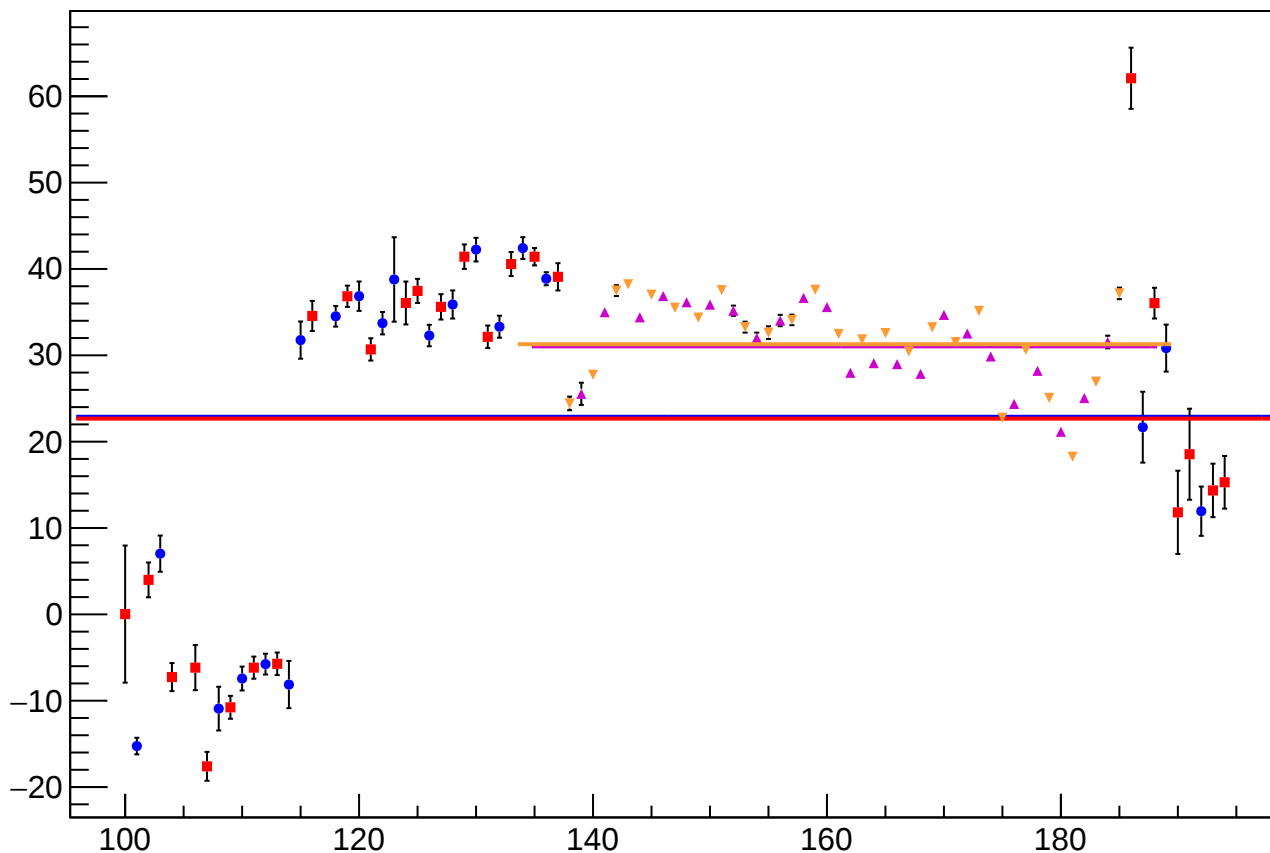
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.148 ± 0.101 χ^2/NDF : 21869.8/44

All: -35.299 ± 0.072 χ^2/NDF : 45364.9/92

- sign -35.451 ± 0.102 χ^2/NDF : 23490.6/47

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.881 $\pm$ 0.323 χ^2 /NDF: 4340.5/19

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.668 $\pm$ 0.328 χ^2 /NDF: 4231.9/24

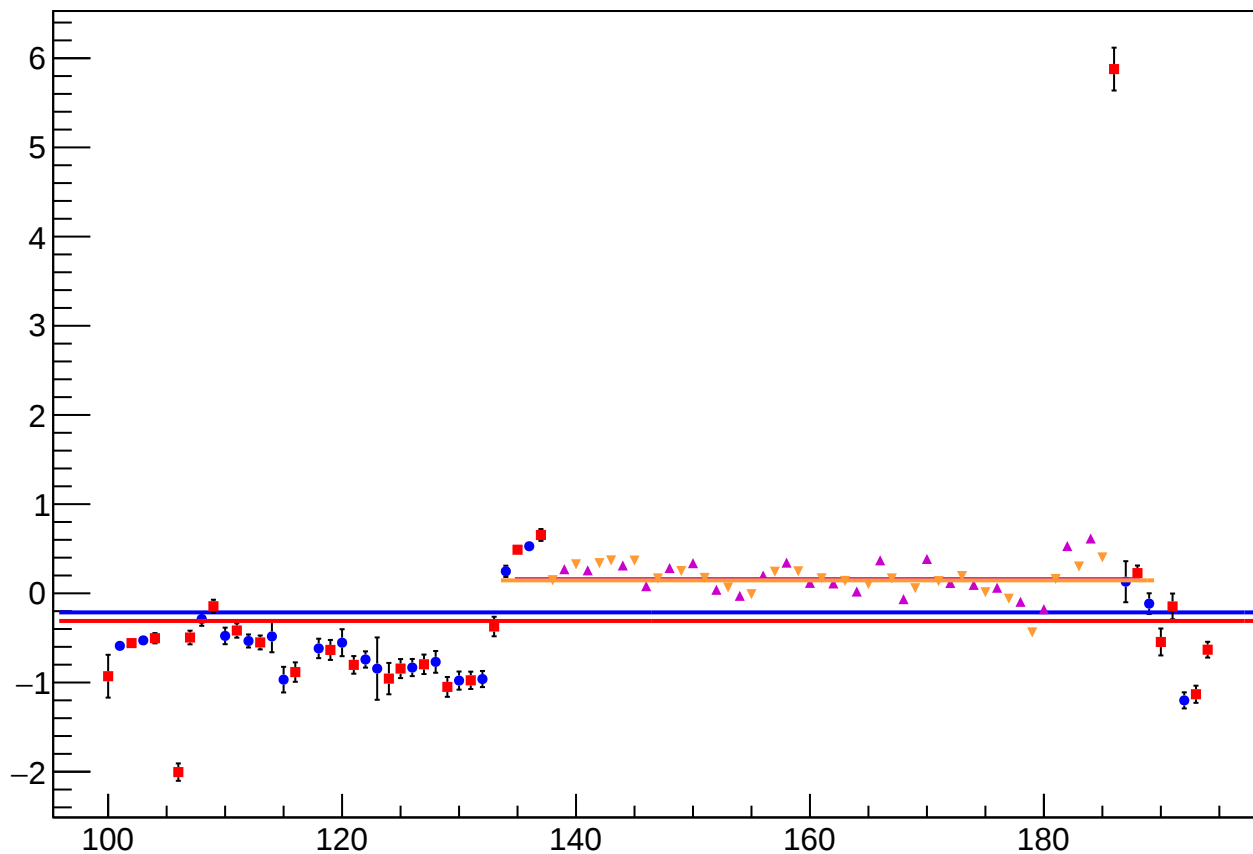
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.651 $\pm$ 0.089 χ^2 /NDF: 8311.7/44

All: 30.528 $\pm$ 0.063 χ^2 /NDF: 15630.0/92

- sign 30.401 $\pm$ 0.090 χ^2 /NDF: 7314.4/47

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.214 ± 0.017 χ^2/NDF : 1121.1/19

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.310 ± 0.017 χ^2/NDF : 1967.6/24

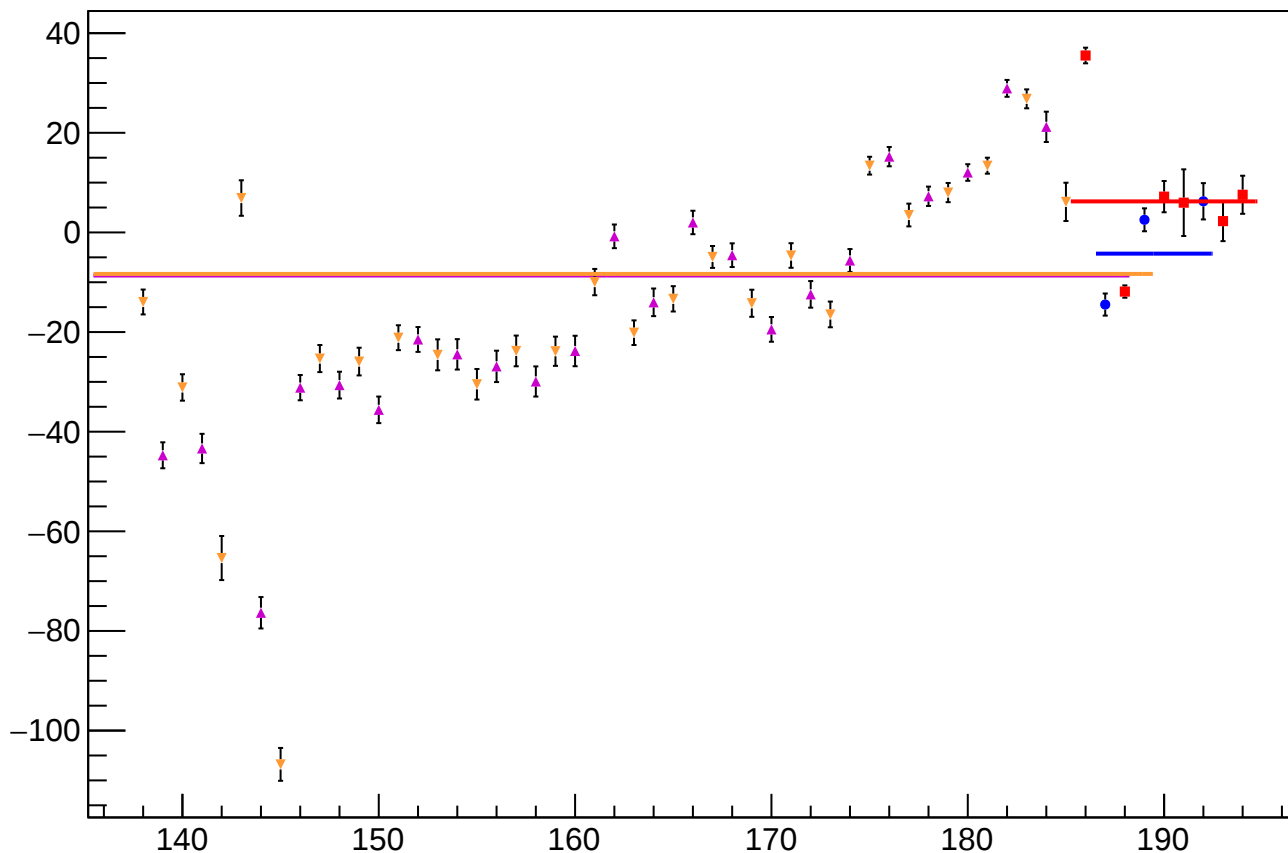
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.125 ± 0.004 χ^2/NDF : 3111.4/44

All: 0.128 ± 0.003 χ^2/NDF : 7810.2/92

- sign 0.130 ± 0.004 χ^2/NDF : 4698.0/47

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -4.256 $\pm$ 1.463 χ^2 /NDF: 38.2/2

Left Out: -8.332 $\pm$ 0.500 χ^2 /NDF: 2226.2/24

Right Out: 6.230 $\pm$ 0.873 χ^2 /NDF: 562.1/5

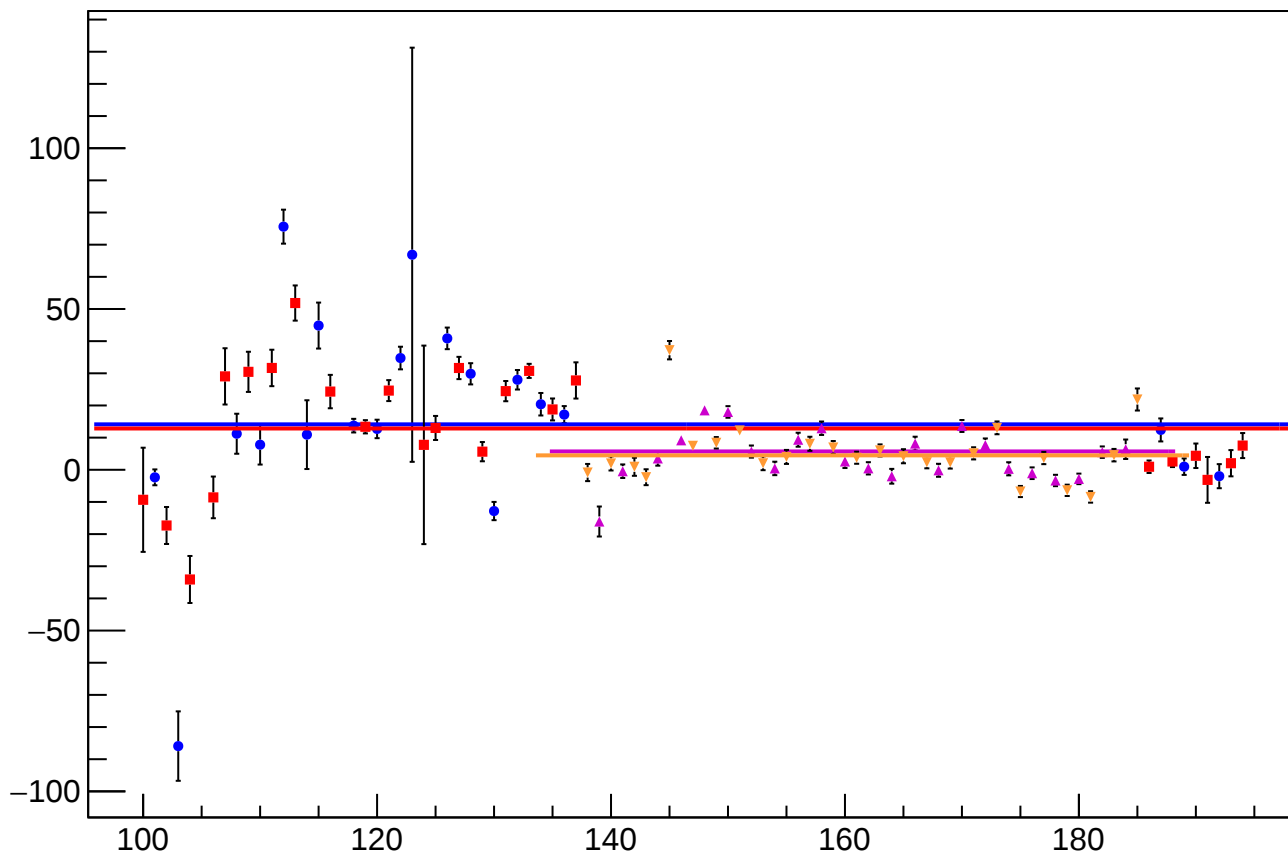
Left In: -8.652 $\pm$ 0.507 χ^2 /NDF: 2223.8/22

+ sign -7.907 $\pm$ 0.473 χ^2 /NDF: 2271.4/27

All: -6.290 $\pm$ 0.322 χ^2 /NDF: 5296.2/56

- sign -4.898 $\pm$ 0.439 χ^2 /NDF: 3003.1/28

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 14.126 $\pm$ 0.777 χ^2 /NDF: 568.1/19

Left Out: 4.484 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 12.842 $\pm$ 0.698 χ^2 /NDF: 390.2/24

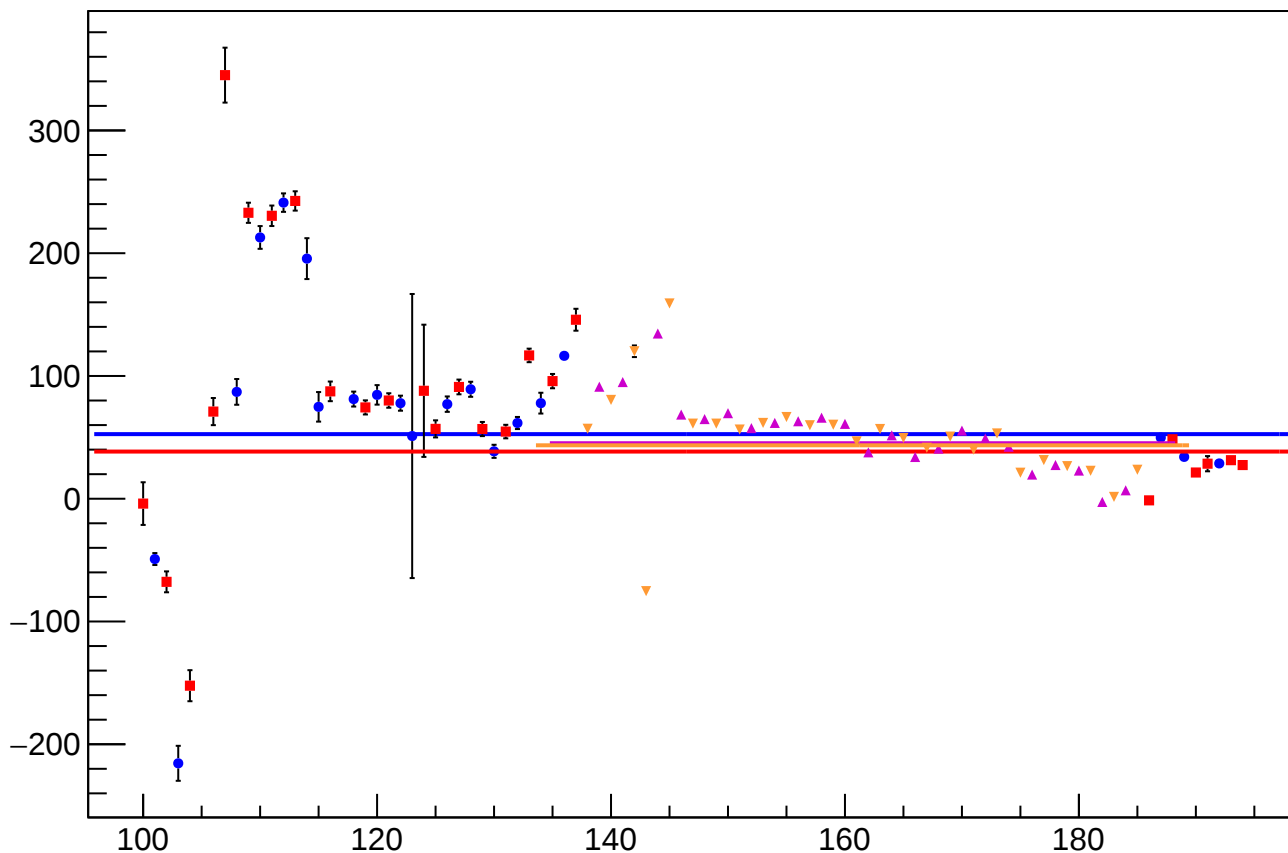
Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

+ sign 6.440 $\pm$ 0.350 χ^2 /NDF: 1062.5/44

All: 6.969 $\pm$ 0.247 χ^2 /NDF: 1859.7/92

- sign 7.498 $\pm$ 0.350 χ^2 /NDF: 792.6/47

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 52.624 $\pm$ 0.983 χ^2 /NDF: 2325.9/19

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 38.423 $\pm$ 0.663 χ^2 /NDF: 4170.0/24

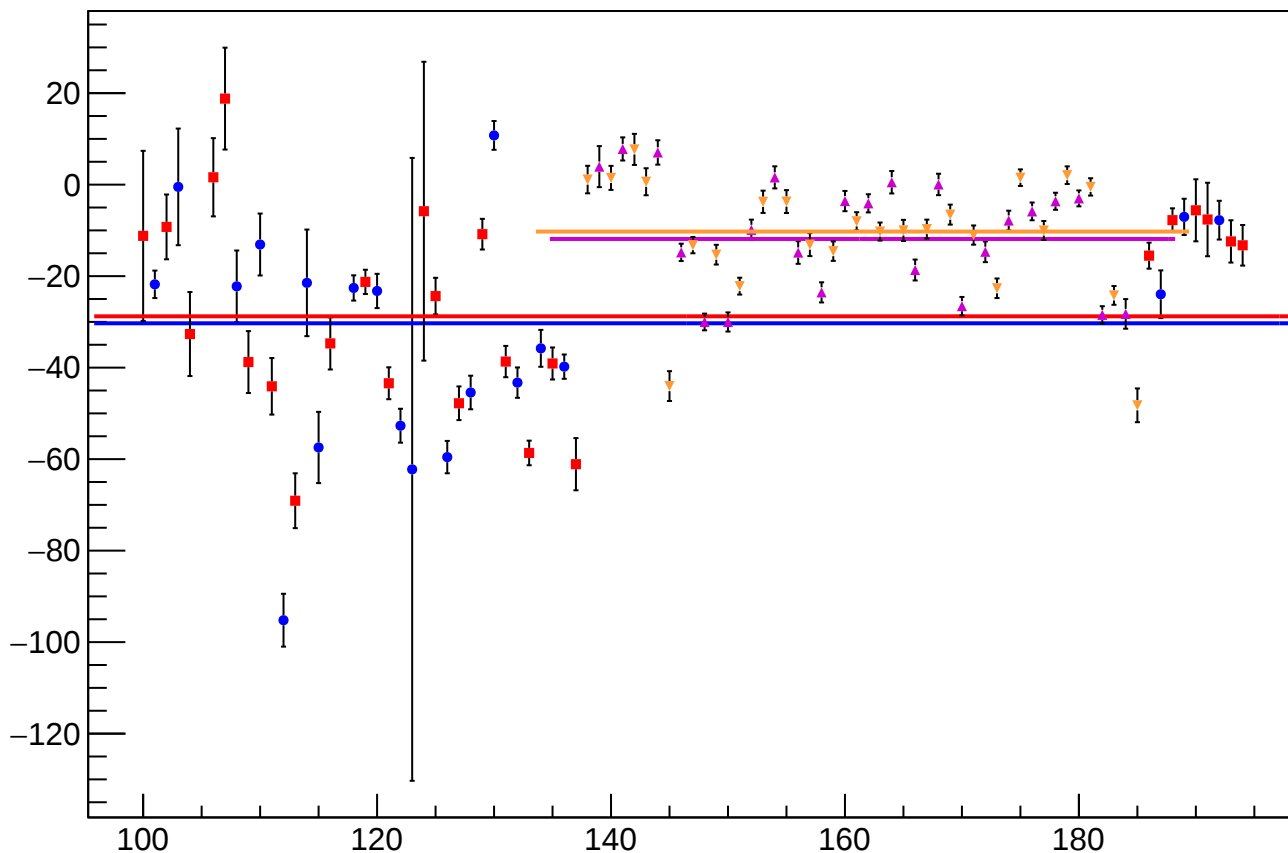
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 45.384 $\pm$ 0.445 χ^2 /NDF: 6224.7/44

All: 43.917 $\pm$ 0.298 χ^2 /NDF: 13529.4/92

- sign 42.722 $\pm$ 0.401 χ^2 /NDF: 7284.9/47

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -30.306 $\pm$ 0.917 χ^2/NDF : 558.3/19

Left Out: -10.257 $\pm$ 0.444 χ^2/NDF : 552.4/24

Right Out: -28.783 $\pm$ 0.858 χ^2/NDF : 480.7/24

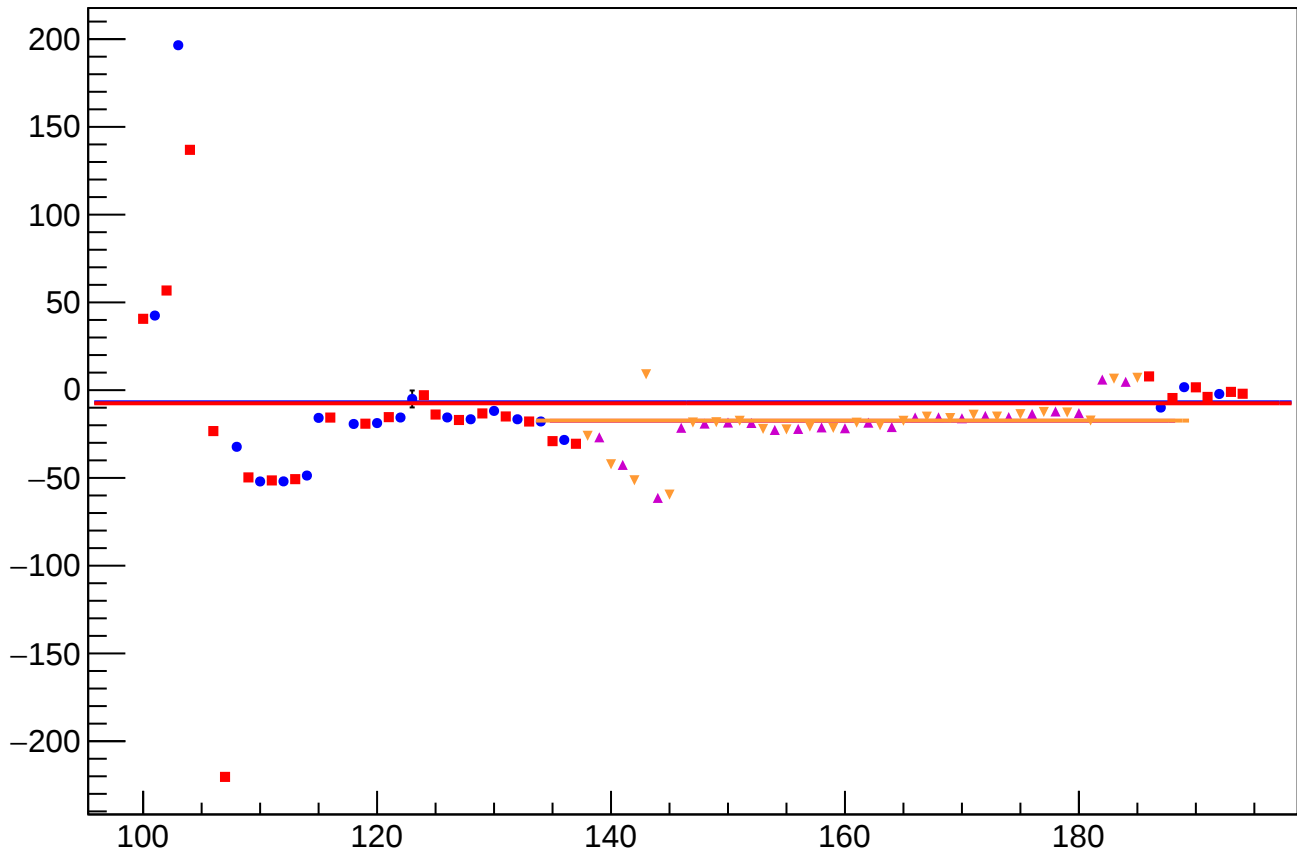
Left In: -11.877 $\pm$ 0.456 χ^2/NDF : 666.2/22

+ sign -14.070 $\pm$ 0.400 χ^2/NDF : 1498.0/44

All: -14.829 $\pm$ 0.284 χ^2/NDF : 2954.9/92

- sign -15.600 $\pm$ 0.403 χ^2/NDF : 1449.6/47

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -6.921 ± 0.051 χ^2/NDF : 579985.8/19

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -7.481 ± 0.045 χ^2/NDF : 578509.9/24

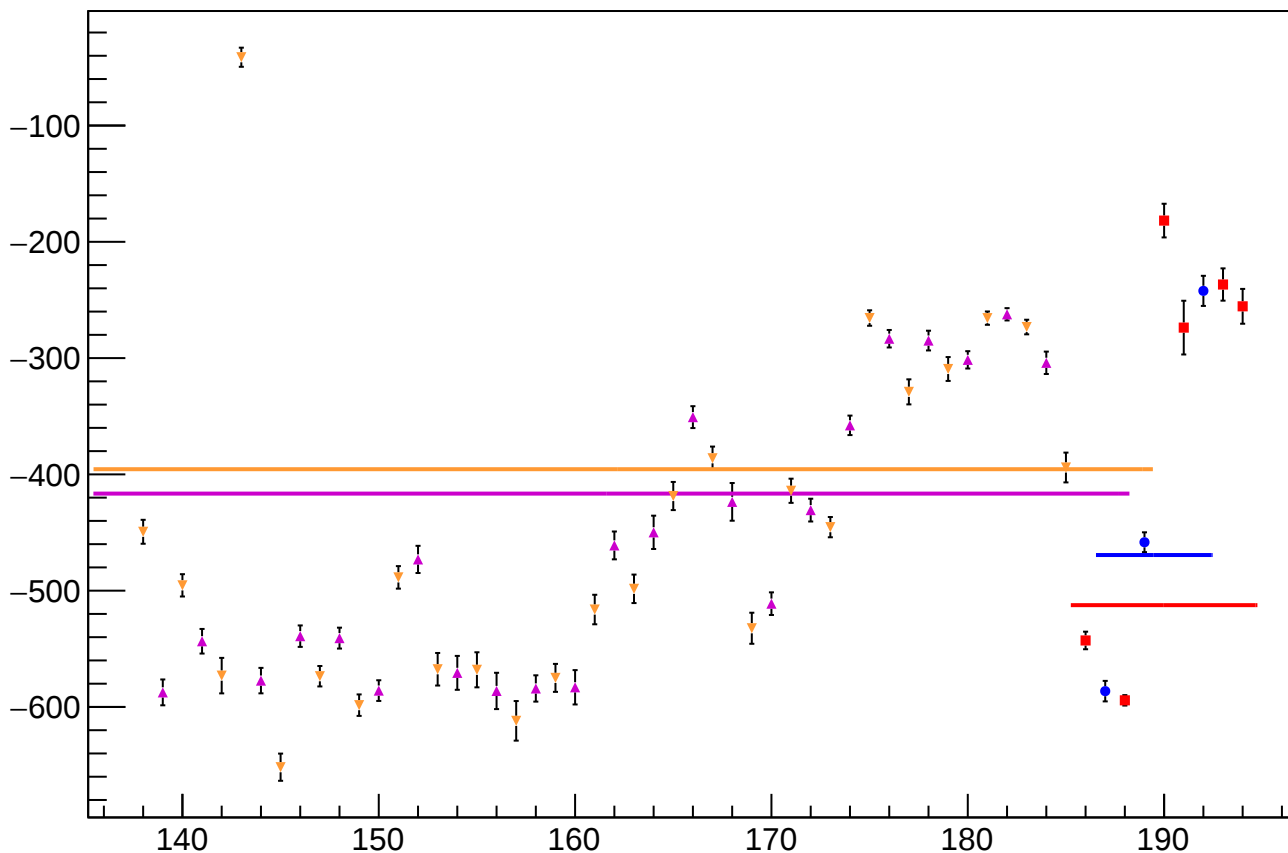
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -15.901 ± 0.019 χ^2/NDF : 941005.5/44

All: -15.822 ± 0.013 χ^2/NDF : 1819647.6/92

- sign -15.745 ± 0.019 χ^2/NDF : 878607.9/47

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -469.349+/-5.540 χ^2 /NDF: 485.6/2

Left Out: -395.547+/-1.953 χ^2 /NDF: 5946.5/24

Right Out: -512.457+/-3.460 χ^2 /NDF: 1666.8/5

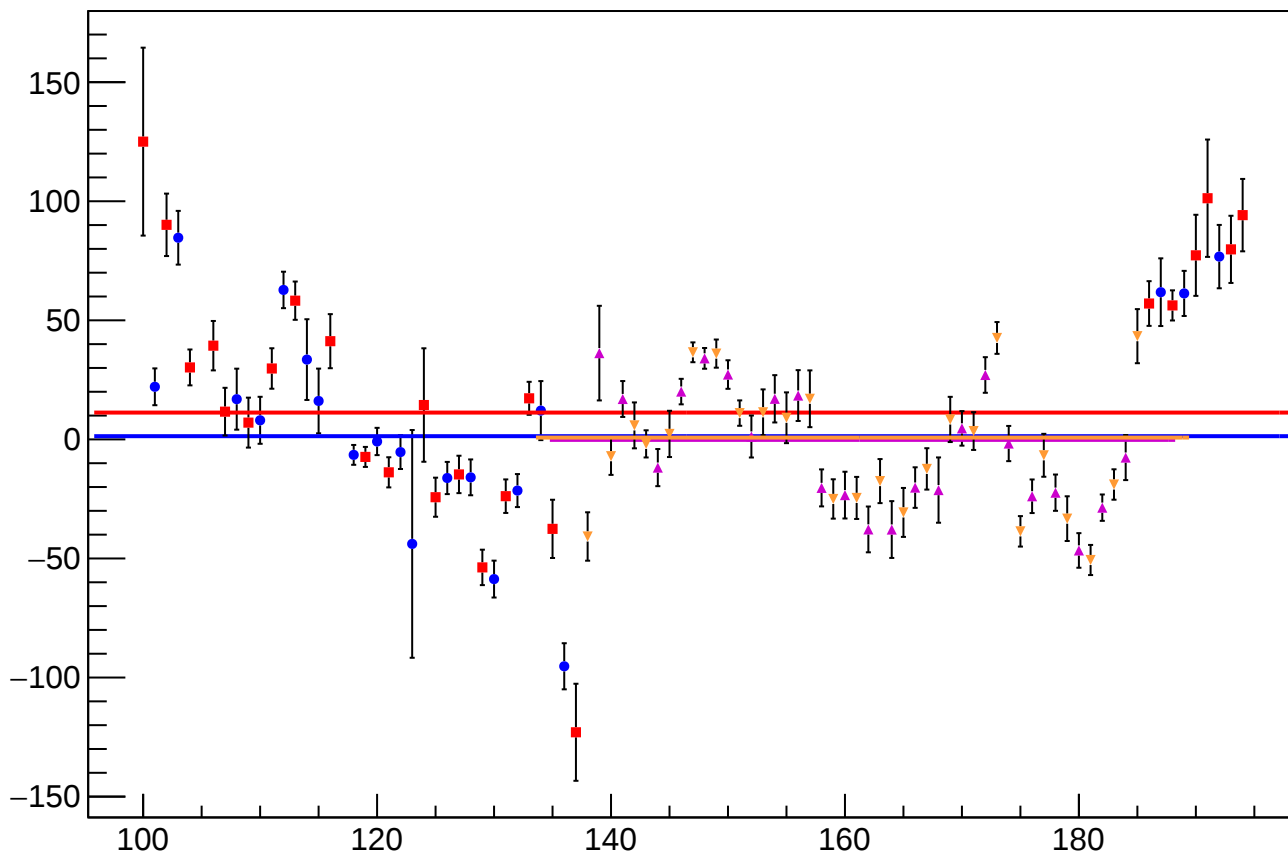
Left In: -416.521+/-2.005 χ^2 /NDF: 3917.0/22

+ sign -403.709+/-1.842 χ^2 /NDF: 6590.0/27

All: -423.282+/-1.263 χ^2 /NDF: 12962.3/56

- sign -440.635+/-1.735 χ^2 /NDF: 6159.4/28

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 1.351 ± 1.853 χ^2/NDF : 411.9/19

Left Out: 0.767 ± 1.503 χ^2/NDF : 350.1/24

Right Out: 11.262 ± 1.760 χ^2/NDF : 486.7/24

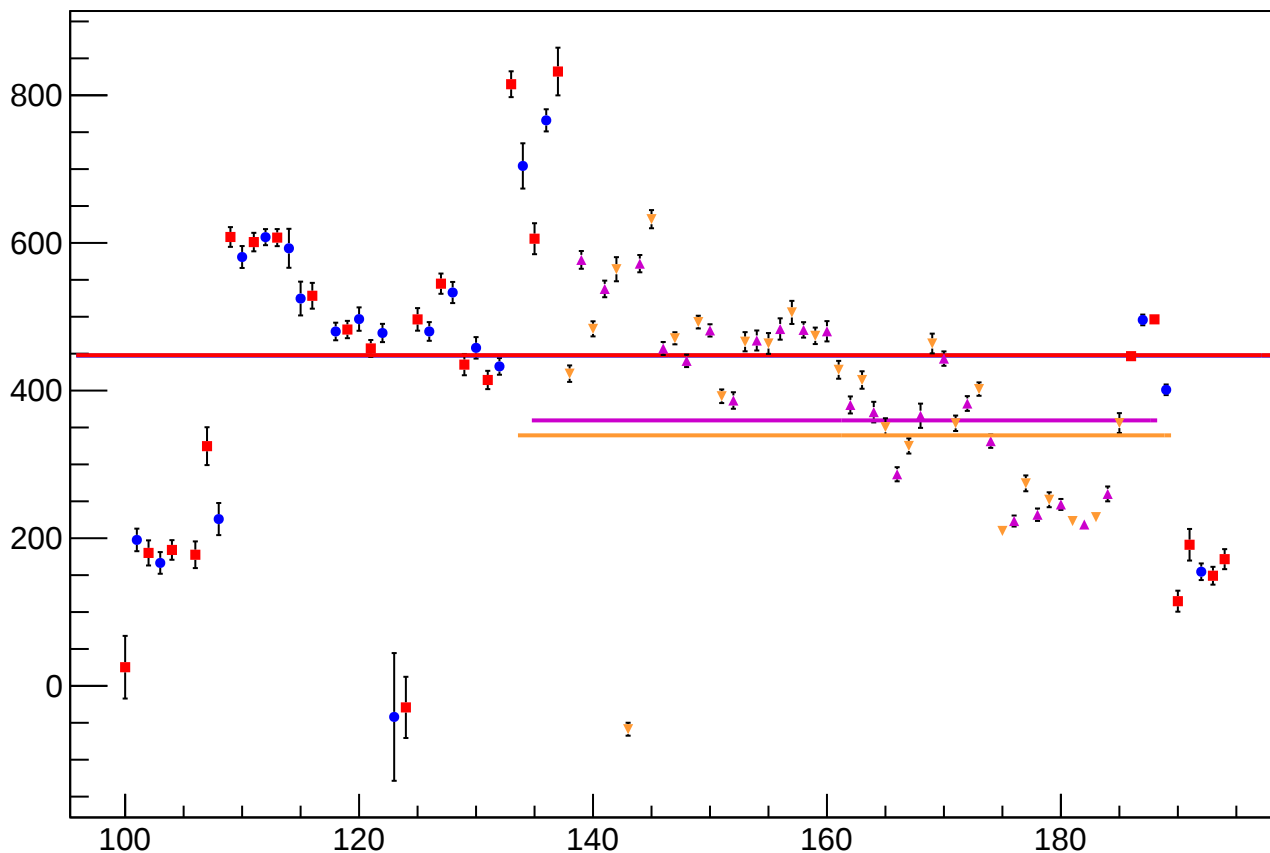
Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

+ sign 0.999 ± 1.167 χ^2/NDF : 762.0/44

All: 2.937 ± 0.828 χ^2/NDF : 1538.6/92

- sign 4.897 ± 1.174 χ^2/NDF : 771.1/47

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 447.387 ± 2.881 χ^2/NDF : 2459.4/19

Left Out: 339.355 ± 1.963 χ^2/NDF : 5502.5/24

Right Out: 447.916 ± 2.217 χ^2/NDF : 4239.7/24

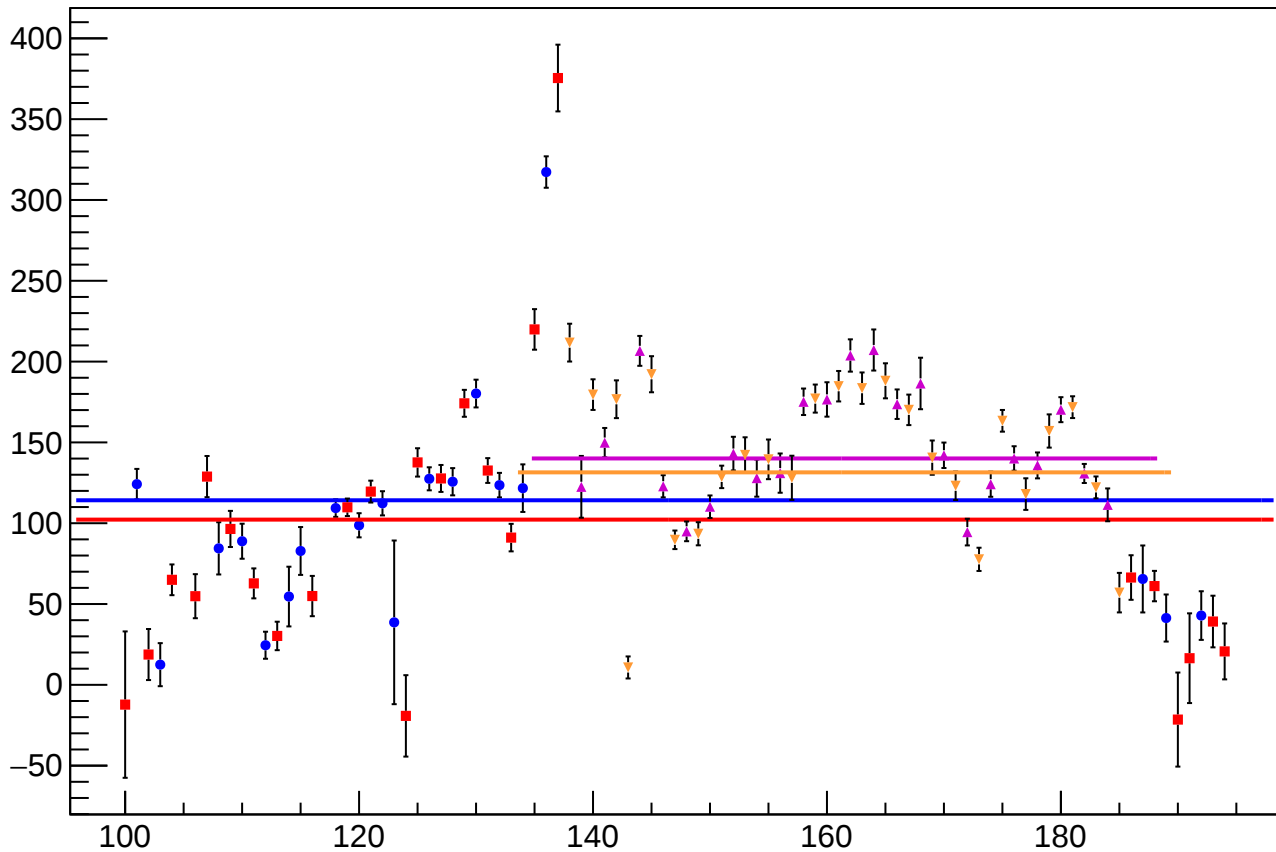
Left In: 359.609 ± 2.003 χ^2/NDF : 3398.5/22

+ sign 373.591 ± 1.622 χ^2/NDF : 8922.1/44

All: 387.557 ± 1.096 χ^2/NDF : 17570.1/92

- sign 399.281 ± 1.486 χ^2/NDF : 8511.7/47

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 114.196 ± 2.170 $\chi^2/\text{NDF}: 761.0/19$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 102.228 ± 2.080 $\chi^2/\text{NDF}: 669.4/24$

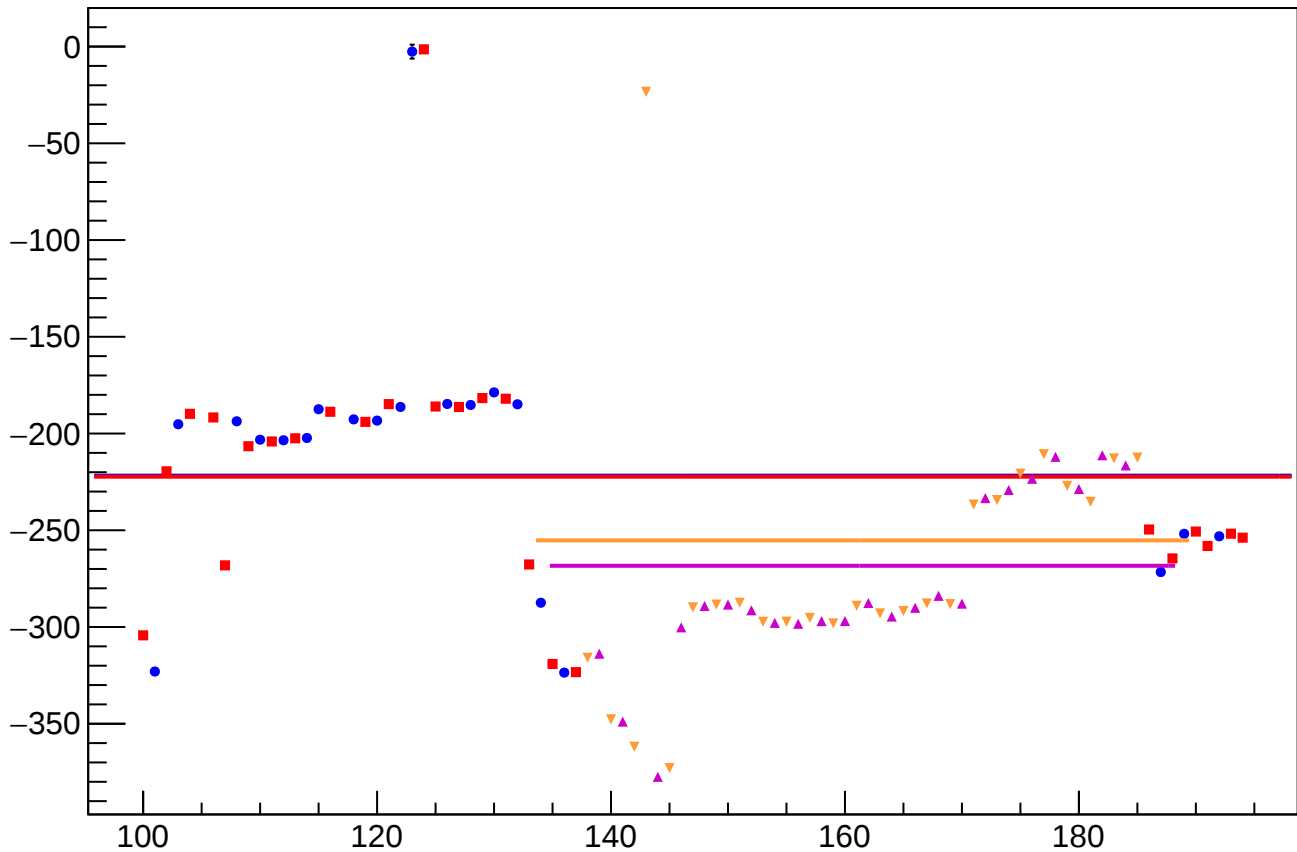
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 124.763 ± 1.351 $\chi^2/\text{NDF}: 1609.1/44$

All: 124.341 ± 0.958 $\chi^2/\text{NDF}: 2785.0/92$

- sign 123.914 ± 1.359 $\chi^2/\text{NDF}: 1175.6/47$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -221.777 ± 0.128 $\chi^2/\text{NDF}: 155816.2/19$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -222.308 ± 0.115 $\chi^2/\text{NDF}: 140402.8/24$

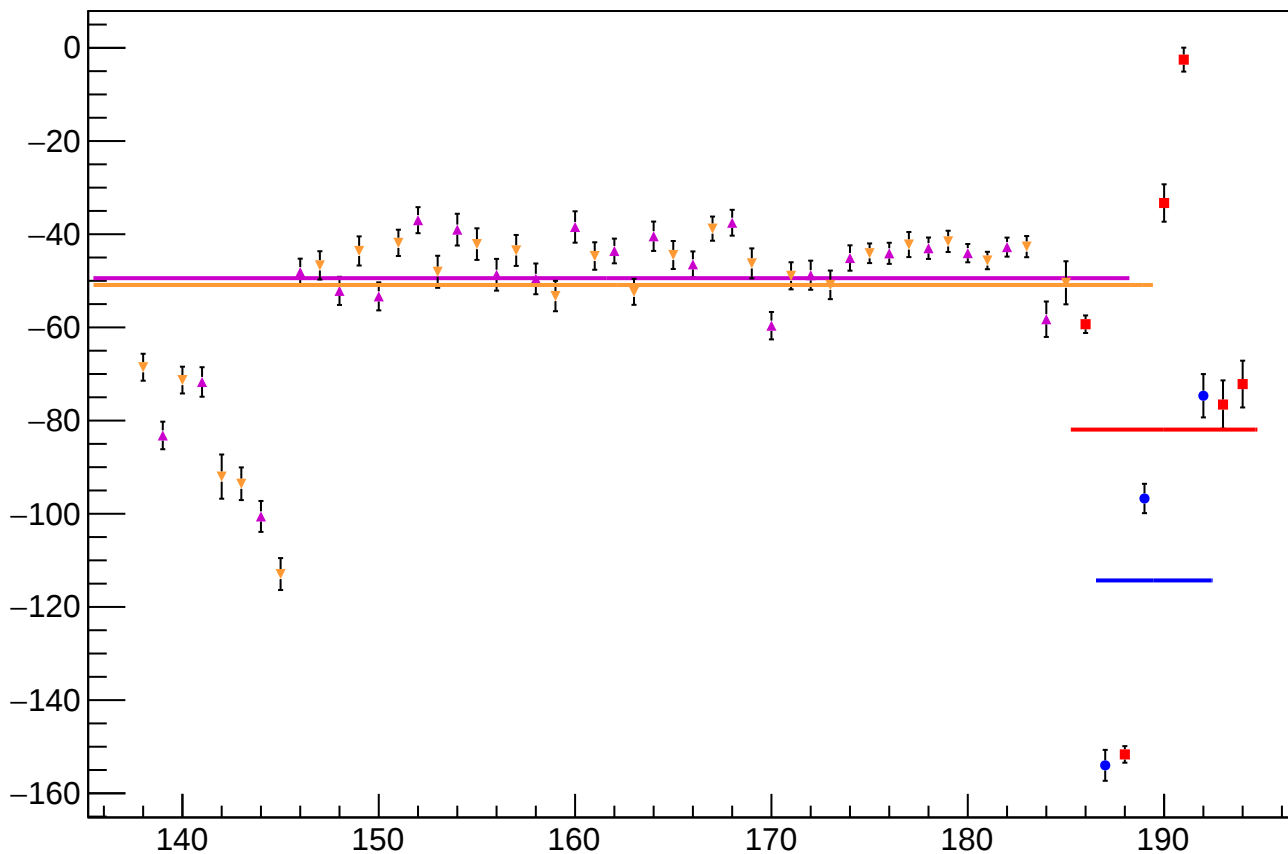
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.517 ± 0.069 $\chi^2/\text{NDF}: 932213.3/44$

All: -249.057 ± 0.048 $\chi^2/\text{NDF}: 1444916.1/92$

- sign -252.457 ± 0.068 $\chi^2/\text{NDF}: 507549.7/47$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -114.313 ± 2.051 χ^2/NDF : 246.9/2

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -81.934 ± 1.062 χ^2/NDF : 2784.8/5

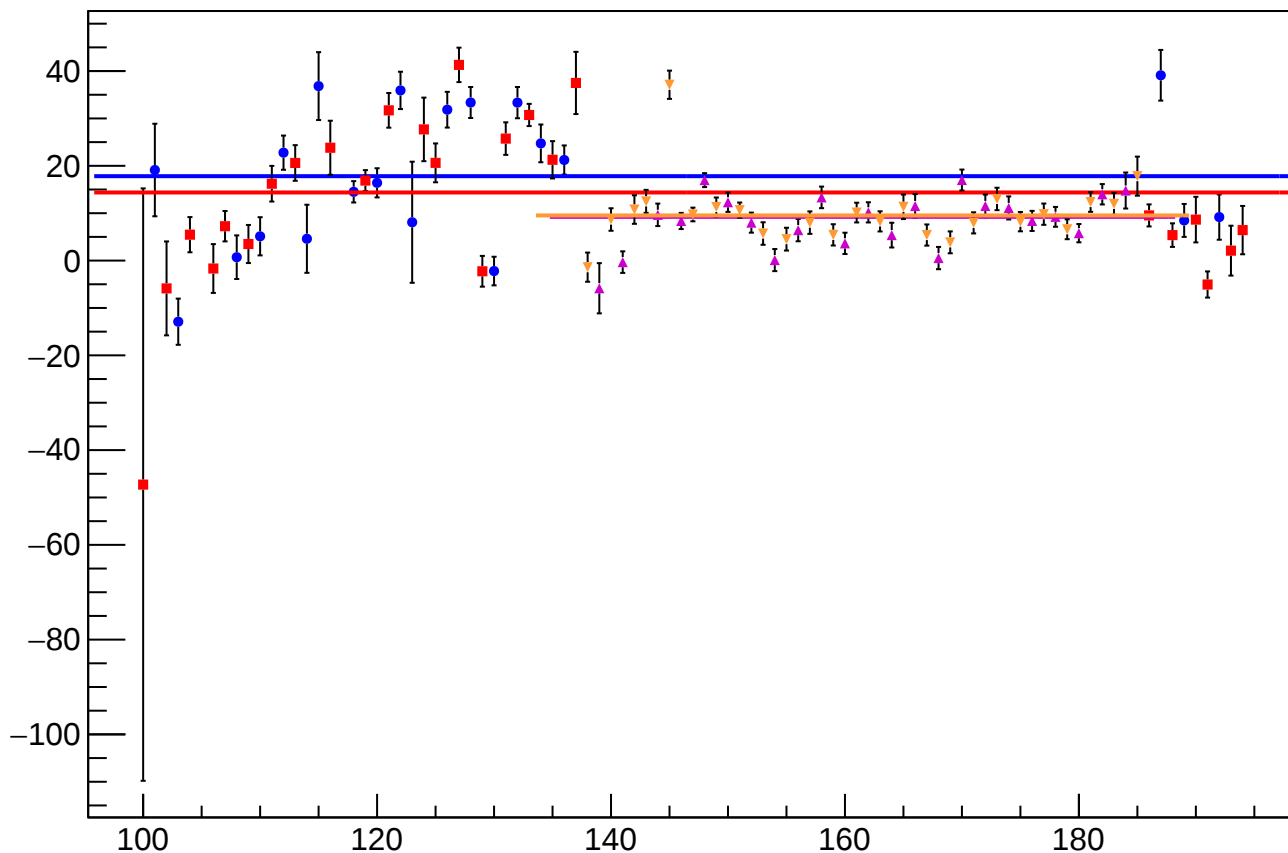
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -55.486 ± 0.552 χ^2/NDF : 1895.1/27

All: -56.289 ± 0.375 χ^2/NDF : 5946.8/56

- sign -56.980 ± 0.512 χ^2/NDF : 4047.8/28

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 17.814 $\pm$ 0.862 χ^2/NDF : 233.1/19

Left Out: 9.530 $\pm$ 0.446 χ^2/NDF :134.4/24

Right Out: 14.374 $\pm$ 0.719 χ^2/NDF : 301.1/24

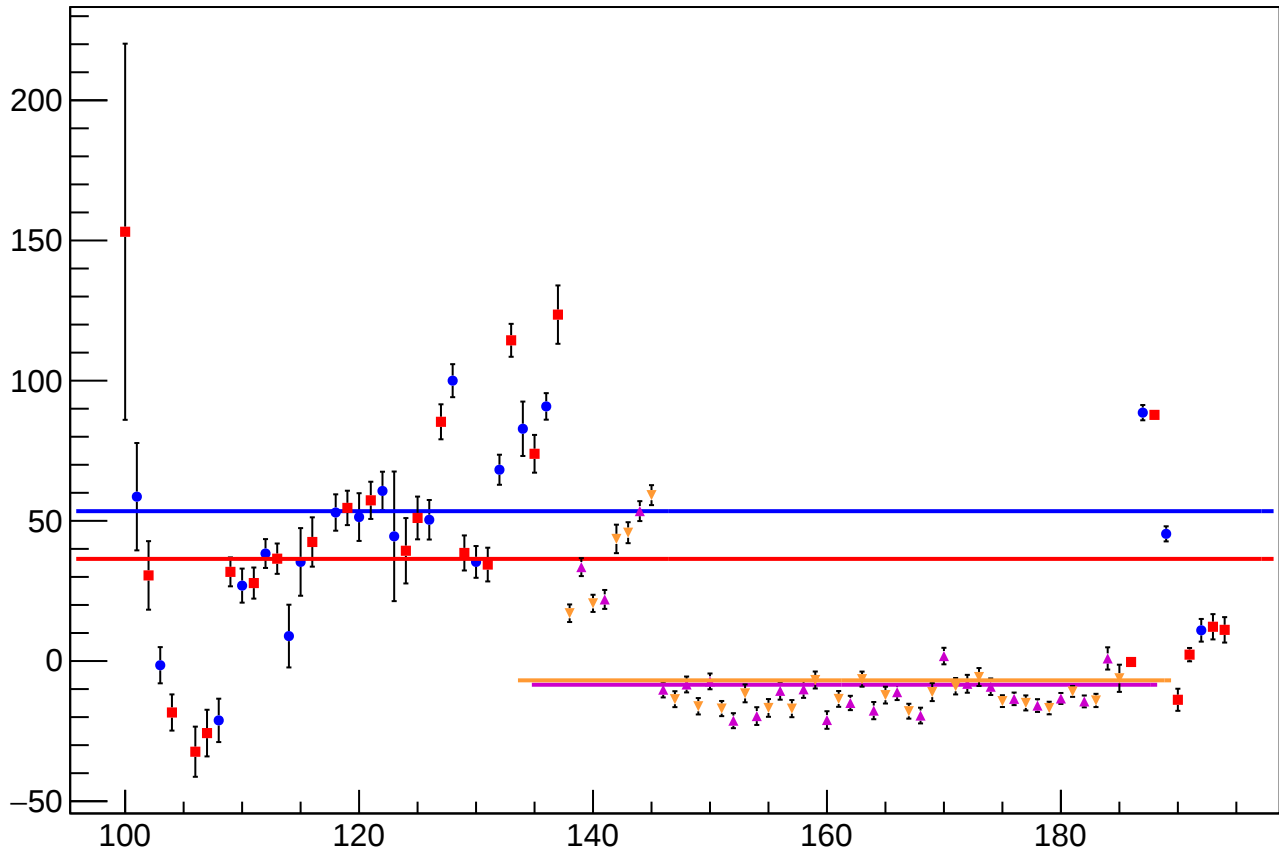
Left In: 9.231 $\pm$ 0.462 χ^2/NDF :124.0/22

+ sign 11.279 $\pm$ 0.396 χ^2/NDF : 440.3/44

All: 11.001 $\pm$ 0.277 χ^2/NDF : 902.6/92

- sign 10.733 $\pm$ 0.388 χ^2/NDF : 461.3/47

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 53.453+/-1.206 χ^2/NDF : 650.1/19

Left Out: -6.888+/-0.571 χ^2/NDF : 914.2/24

Right Out: 36.431+/-0.778 χ^2/NDF : 2856.0/24

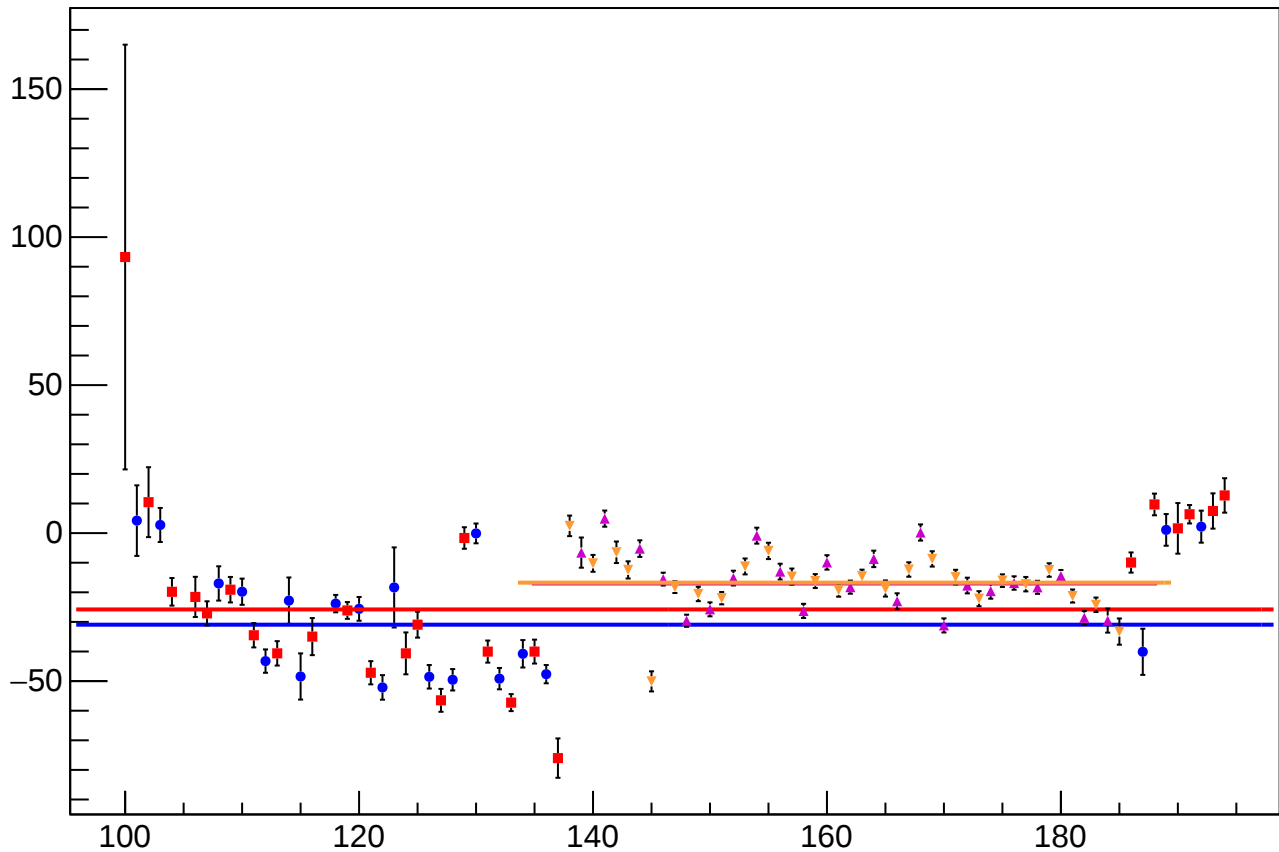
Left In: -8.451+/-0.580 χ^2/NDF : 688.9/22

+ sign 4.161+/-0.516 χ^2/NDF : 3609.4/44

All: 6.040+/-0.345 χ^2/NDF : 9316.5/92

- sign 7.565+/-0.465 χ^2/NDF : 5683.0/47

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -30.941 ± 1.000 χ^2/NDF : 370.9/19

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -25.783 ± 0.861 χ^2/NDF : 690.8/24

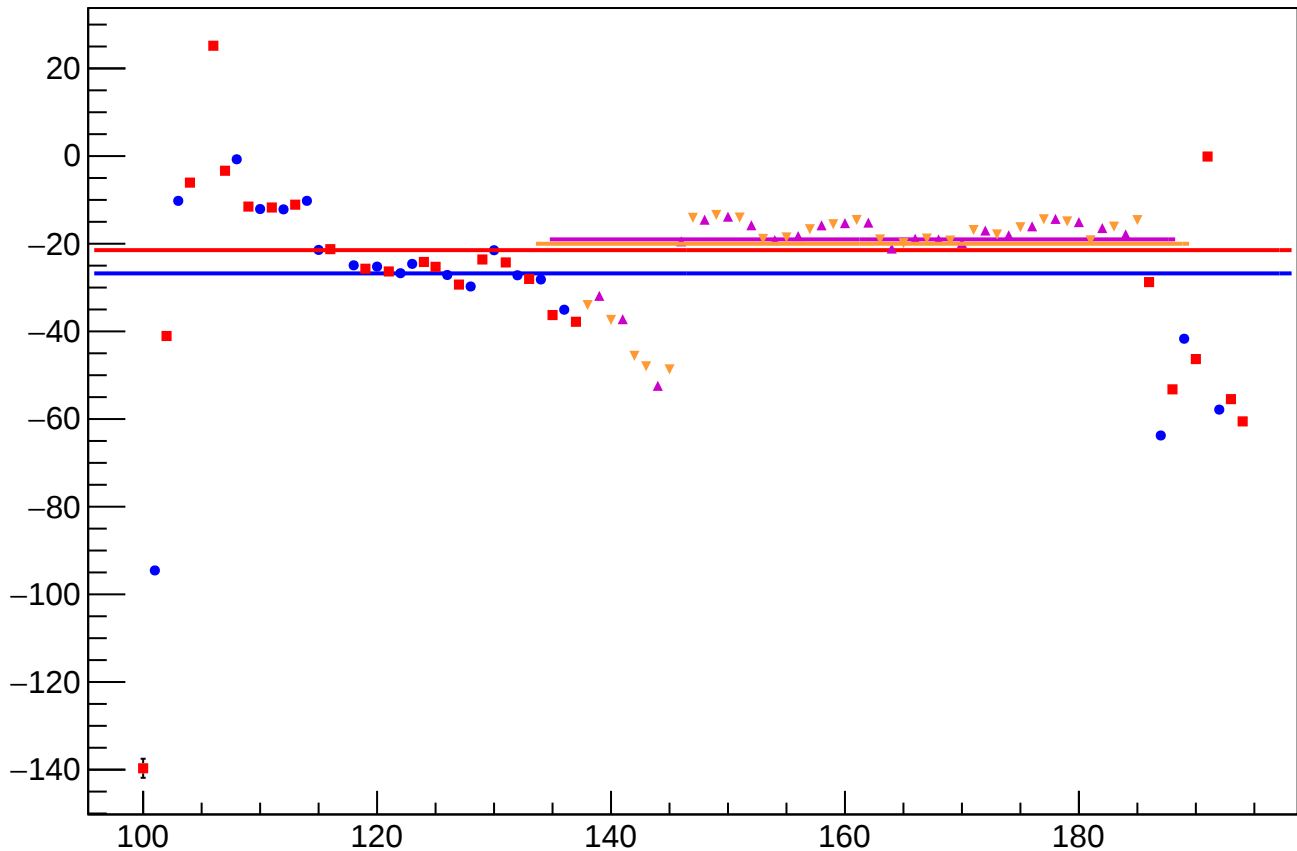
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.637 ± 0.452 χ^2/NDF : 754.9/44

All: -19.505 ± 0.318 χ^2/NDF : 1849.2/92

- sign -19.377 ± 0.446 χ^2/NDF : 1094.1/47

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -26.768 ± 0.054 $\chi^2/\text{NDF}: 101357.6/19$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -21.465 ± 0.042 $\chi^2/\text{NDF}: 275380.6/24$

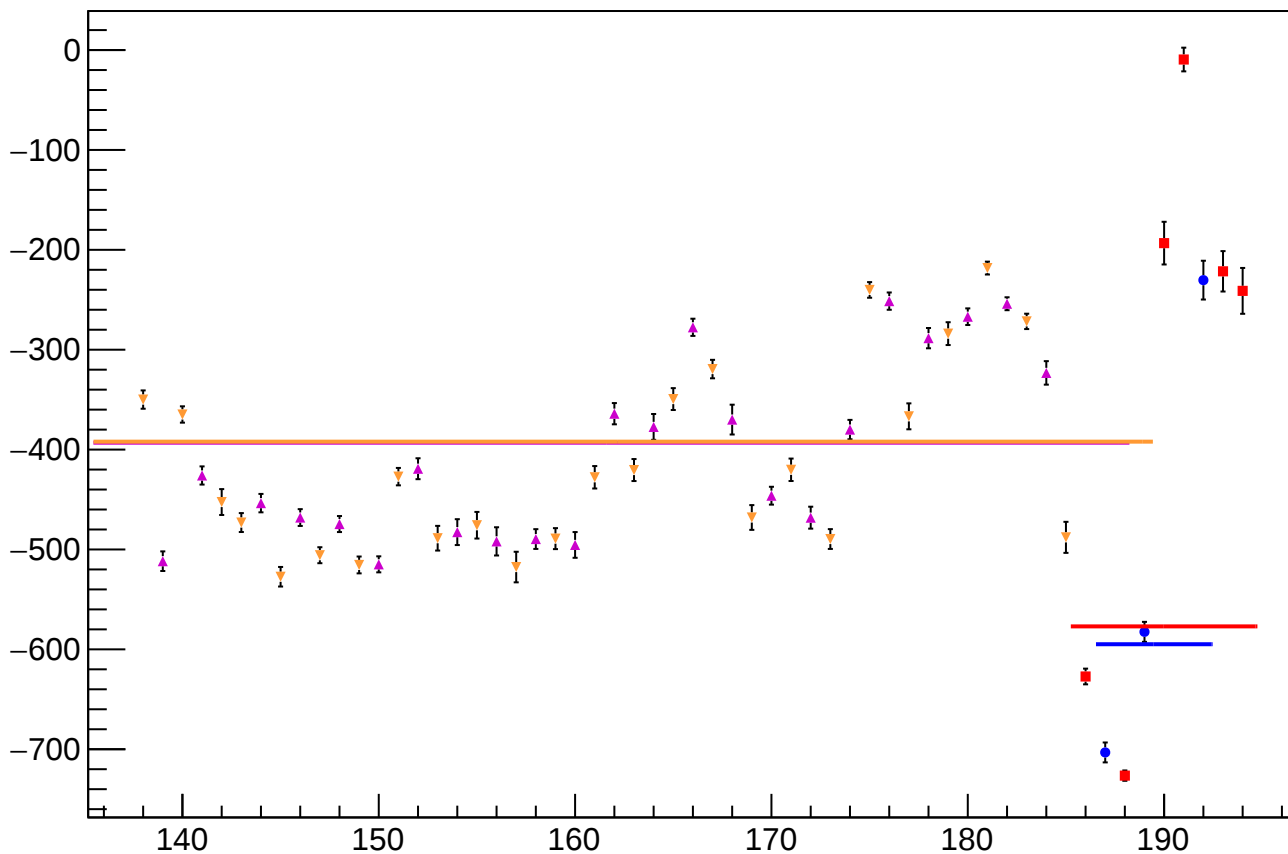
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -21.073 ± 0.021 $\chi^2/\text{NDF}: 260284.5/44$

All: -20.310 ± 0.015 $\chi^2/\text{NDF}: 631597.8/92$

- sign -19.600 ± 0.021 $\chi^2/\text{NDF}: 368853.8/47$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -594.875 ± 6.634 $\chi^2/\text{NDF}: 472.3/2$

Left Out: -392.054 ± 1.967 $\chi^2/\text{NDF}: 2717.2/24$

Right Out: -577.013 ± 3.860 $\chi^2/\text{NDF}: 4009.7/5$

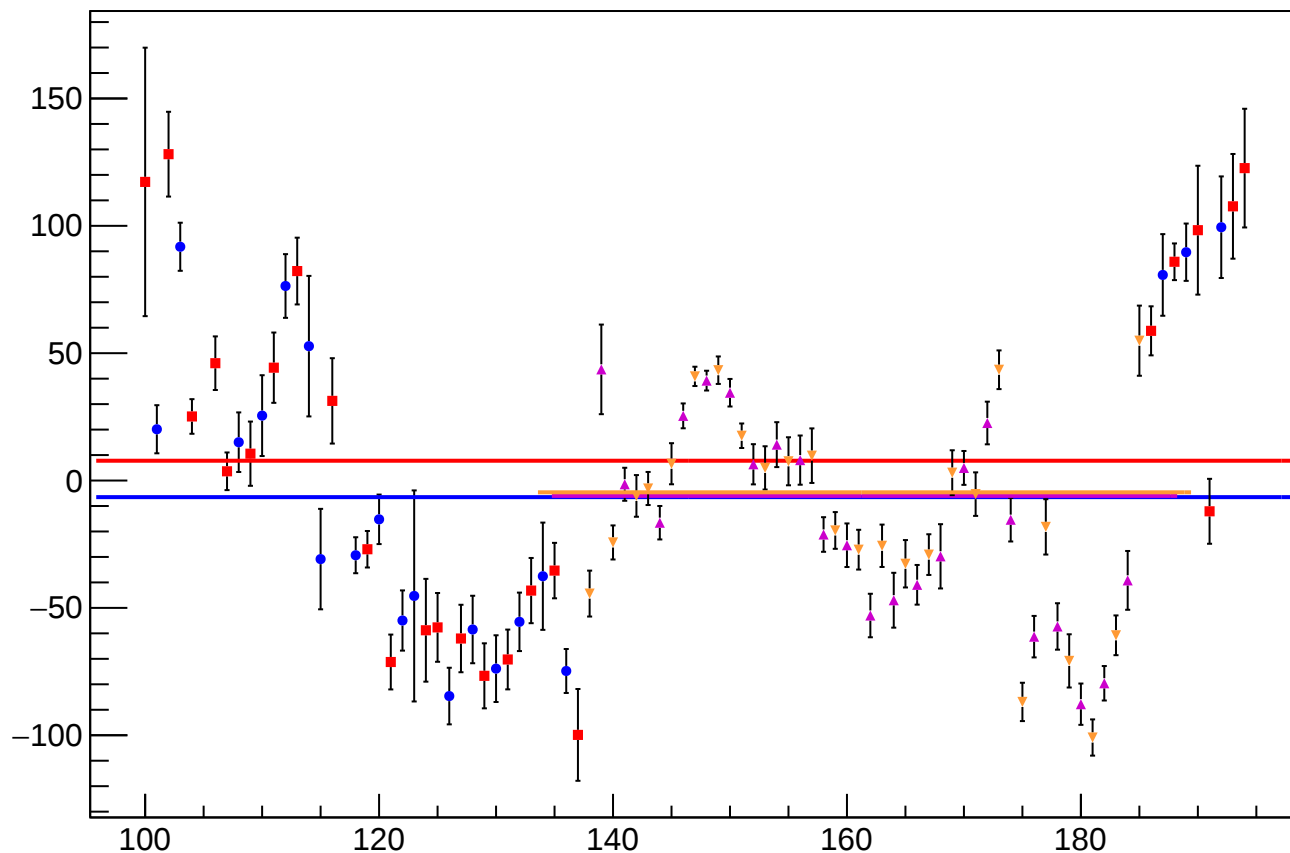
Left In: -393.113 ± 2.006 $\chi^2/\text{NDF}: 2253.3/22$

+ sign -408.436 ± 1.885 $\chi^2/\text{NDF}: 4048.6/27$

All: -421.005 ± 1.294 $\chi^2/\text{NDF}: 12182.9/56$

- sign -432.204 ± 1.780 $\chi^2/\text{NDF}: 8050.3/28$

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -6.516 ± 2.677 $\chi^2/\text{NDF}: 507.9/19$

Left Out: -4.624 ± 1.462 $\chi^2/\text{NDF}: 772.9/24$

Right Out: 7.778 ± 2.302 $\chi^2/\text{NDF}: 621.5/24$

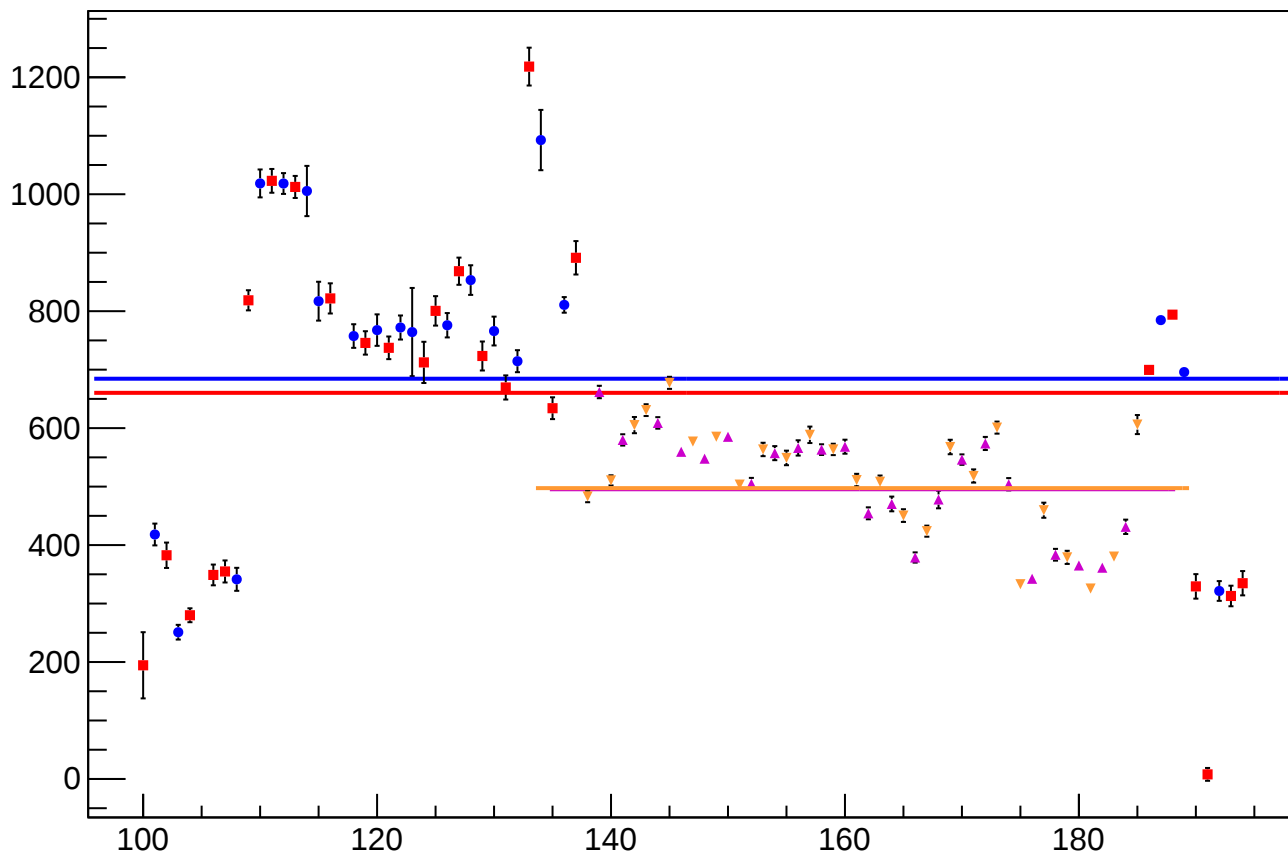
Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

+ sign -5.059 ± 1.283 $\chi^2/\text{NDF}: 1281.1/44$

All: -3.431 ± 0.901 $\chi^2/\text{NDF}: 2585.0/92$

- sign -1.845 ± 1.266 $\chi^2/\text{NDF}: 1300.7/47$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 684.498 ± 3.733 χ^2/NDF : 3198.8/19

Left Out: 497.381 ± 1.966 χ^2/NDF : 2614.6/24

Right Out: 660.356 ± 2.640 χ^2/NDF : 8620.3/24

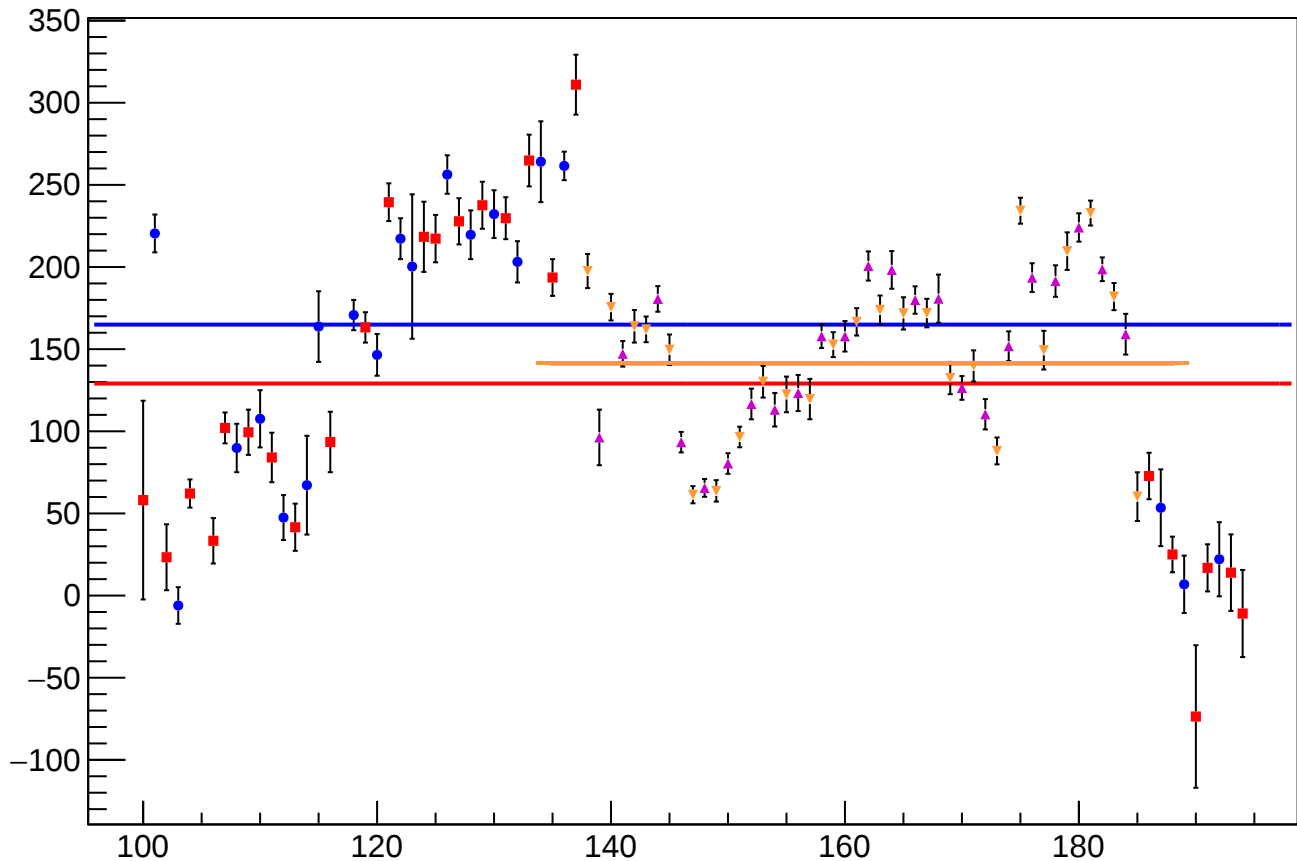
Left In: 495.454 ± 1.992 χ^2/NDF : 2253.8/22

+ sign 538.010 ± 1.739 χ^2/NDF : 7780.4/44

All: 547.414 ± 1.174 χ^2/NDF : 21193.8/92

- sign 555.275 ± 1.590 χ^2/NDF : 13359.7/47

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 164.947 $\pm$ 3.131 χ^2 /NDF: 790.7/19

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 129.086 $\pm$ 2.774 χ^2 /NDF: 980.4/24

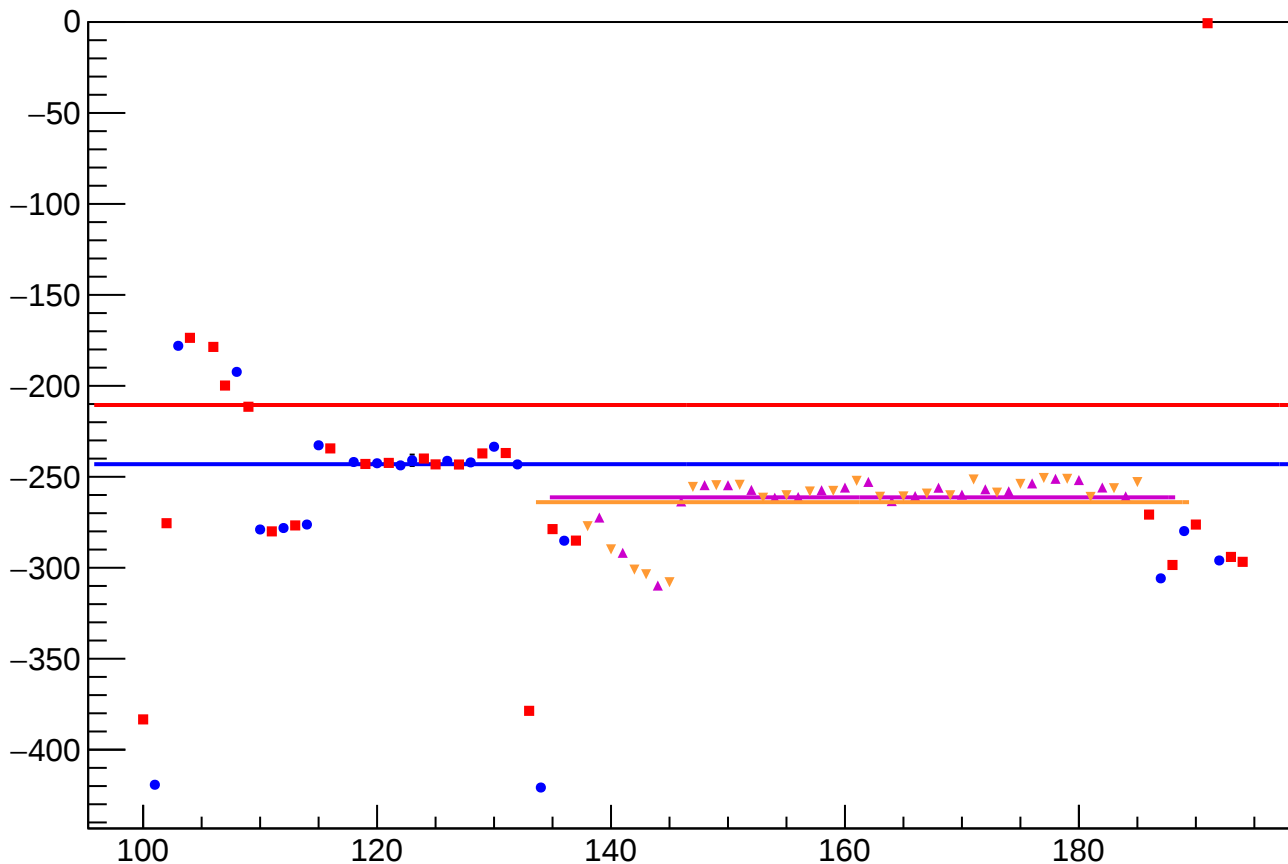
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 146.900 $\pm$ 1.493 χ^2 /NDF: 1793.3/44

All: 142.343 $\pm$ 1.051 χ^2 /NDF: 3547.5/92

- sign 137.873 $\pm$ 1.479 χ^2 /NDF: 1735.7/47

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.062 ± 0.153 $\chi^2/\text{NDF}: 177559.7/19$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -210.530 ± 0.131 $\chi^2/\text{NDF}: 452884.8/24$

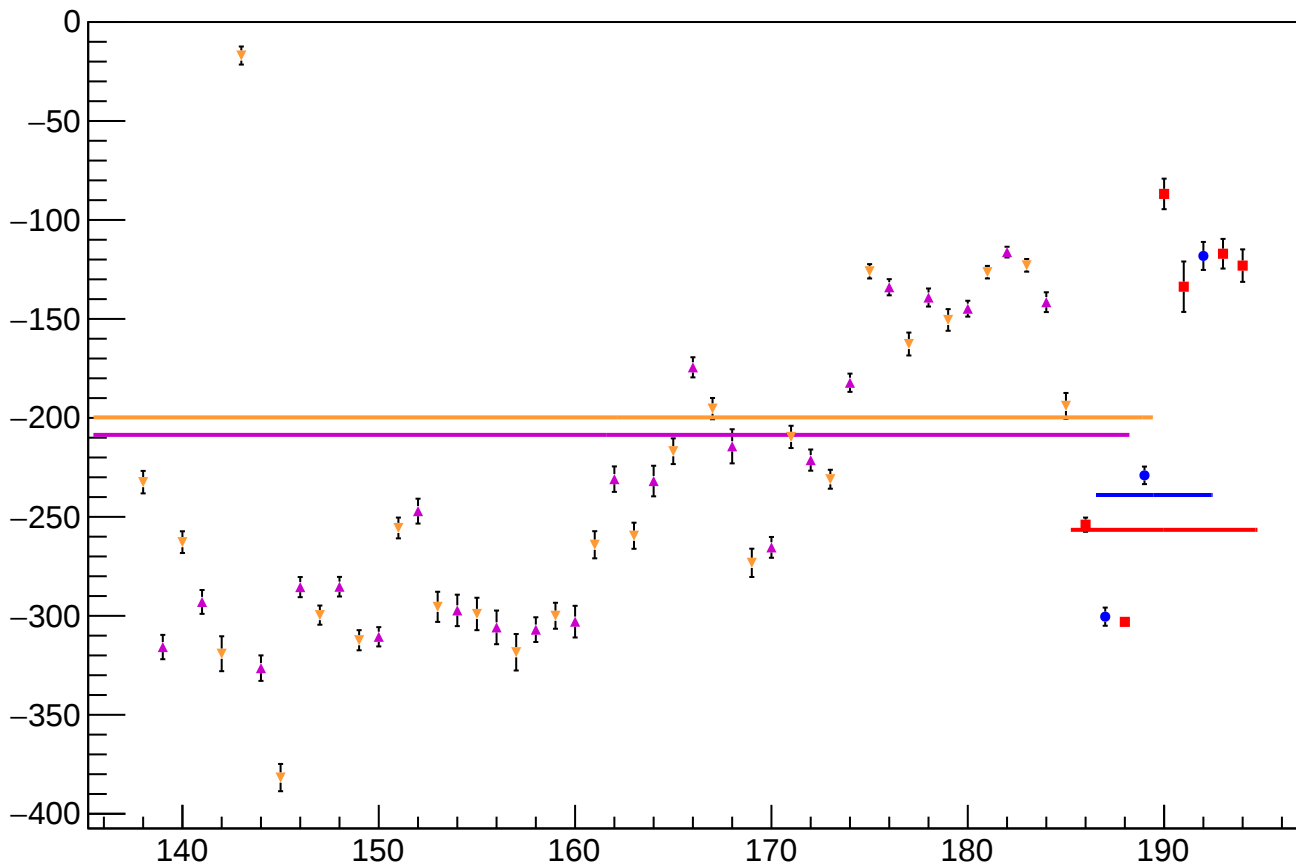
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -259.357 ± 0.072 $\chi^2/\text{NDF}: 231153.7/44$

All: -252.993 ± 0.050 $\chi^2/\text{NDF}: 830353.5/92$

- sign -247.024 ± 0.070 $\chi^2/\text{NDF}: 583963.3/47$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -238.942 ± 2.907 $\chi^2/\text{NDF}: 475.4/2$

Left Out: -199.741 ± 1.061 $\chi^2/\text{NDF}: 6361.5/24$

Right Out: -256.549 ± 1.793 $\chi^2/\text{NDF}: 1572.9/5$

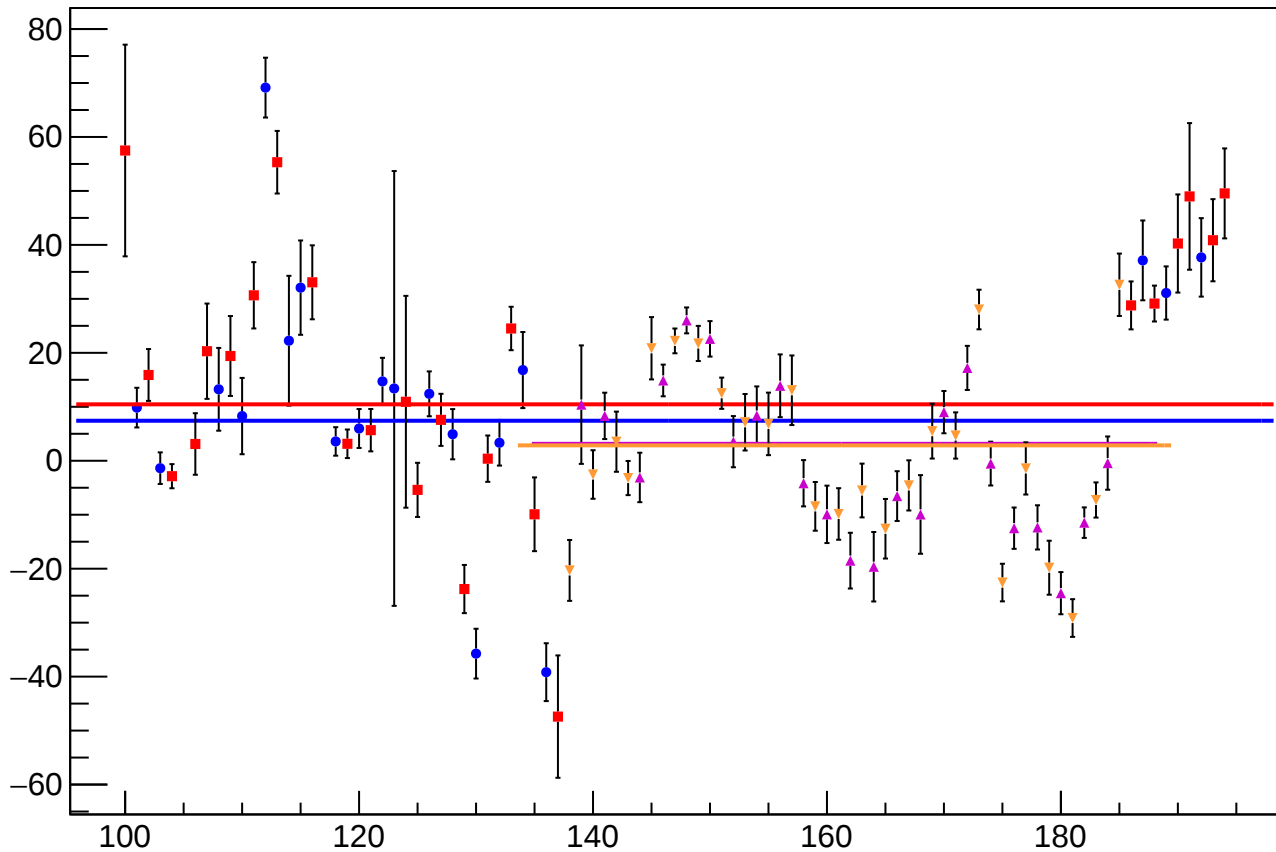
Left In: -208.579 ± 1.082 $\chi^2/\text{NDF}: 4805.1/22$

+ sign -204.349 ± 0.997 $\chi^2/\text{NDF}: 6997.4/27$

All: -213.494 ± 0.679 $\chi^2/\text{NDF}: 14057.1/56$

- sign -221.394 ± 0.927 $\chi^2/\text{NDF}: 6902.8/28$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 7.416 ± 1.058 χ^2/NDF : 372.8/19

Left Out: 2.853 ± 0.820 χ^2/NDF : 419.8/24

Right Out: 10.457 ± 0.970 χ^2/NDF : 364.6/24

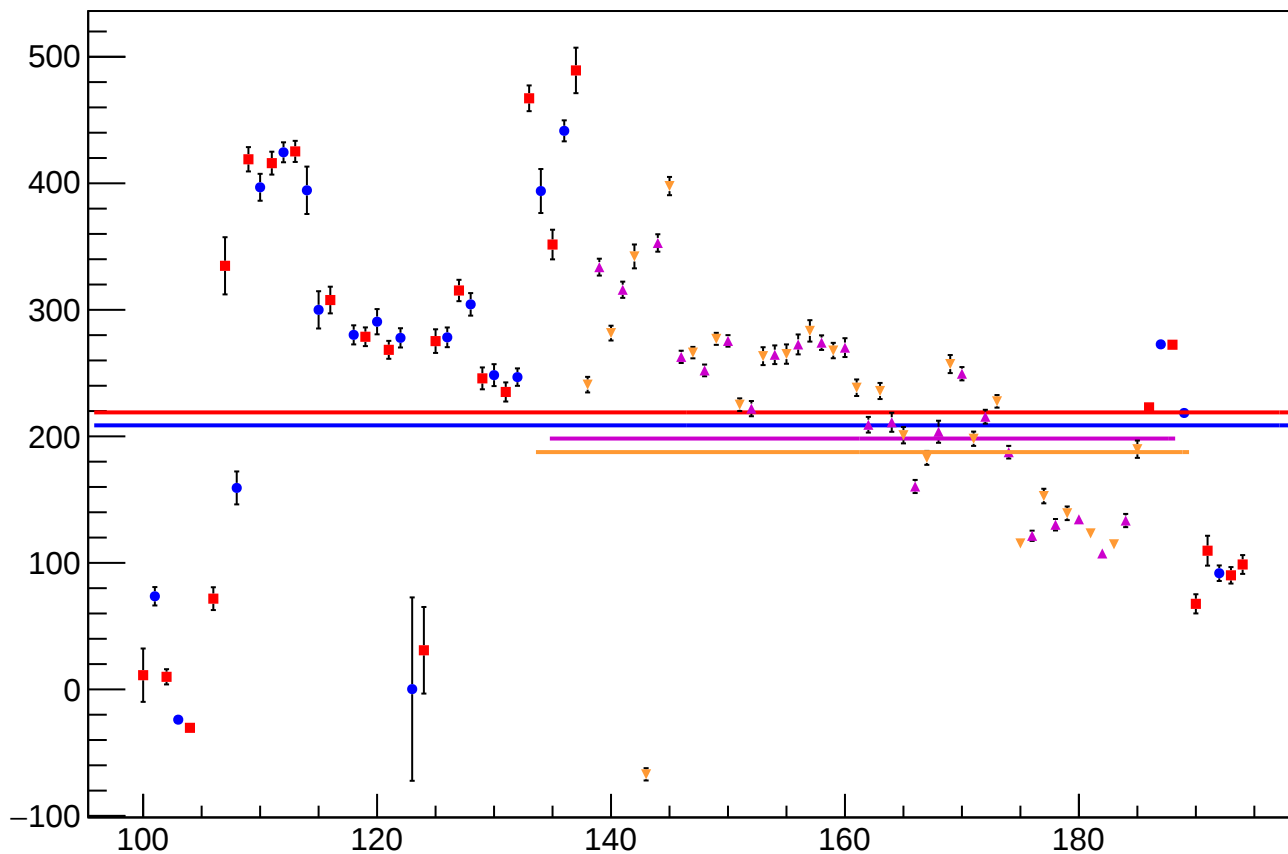
Left In: 3.136 ± 0.857 χ^2/NDF : 319.8/22

+ sign 4.566 ± 0.648 χ^2/NDF : 804.3/44

All: 5.464 ± 0.456 χ^2/NDF : 1524.5/92

- sign 6.345 ± 0.642 χ^2/NDF : 716.4/47

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 208.691 $\pm$ 1.540 χ^2 /NDF: 7390.8/19

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 218.941 $\pm$ 1.169 χ^2 /NDF: 10325.8/24

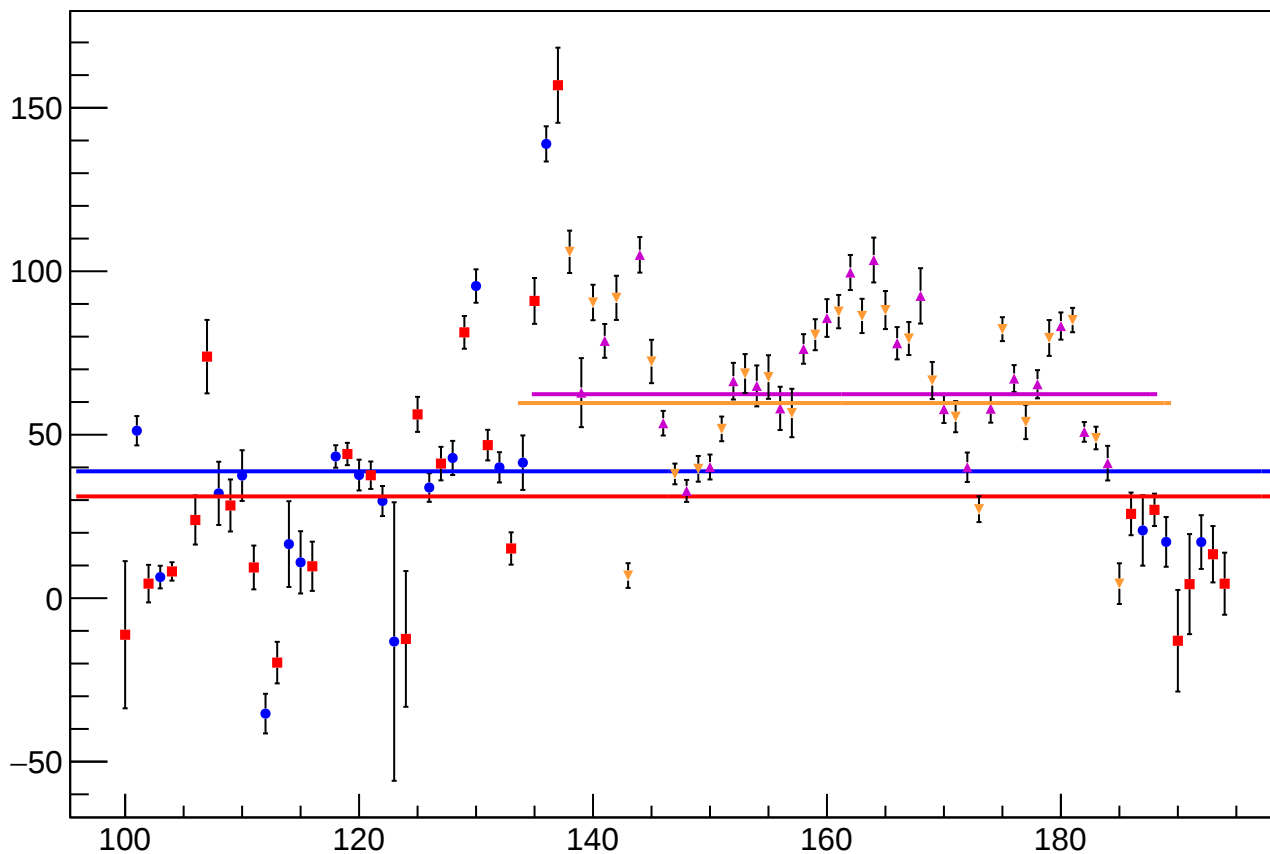
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 194.407 $\pm$ 0.876 χ^2 /NDF: 14600.1/44

All: 201.766 $\pm$ 0.588 χ^2 /NDF: 29738.5/92

- sign 207.803 $\pm$ 0.794 χ^2 /NDF: 15010.1/47

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 38.811 ± 1.245 $\chi^2/\text{NDF}: 752.9/19$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 31.133 ± 1.167 $\chi^2/\text{NDF}: 576.4/24$

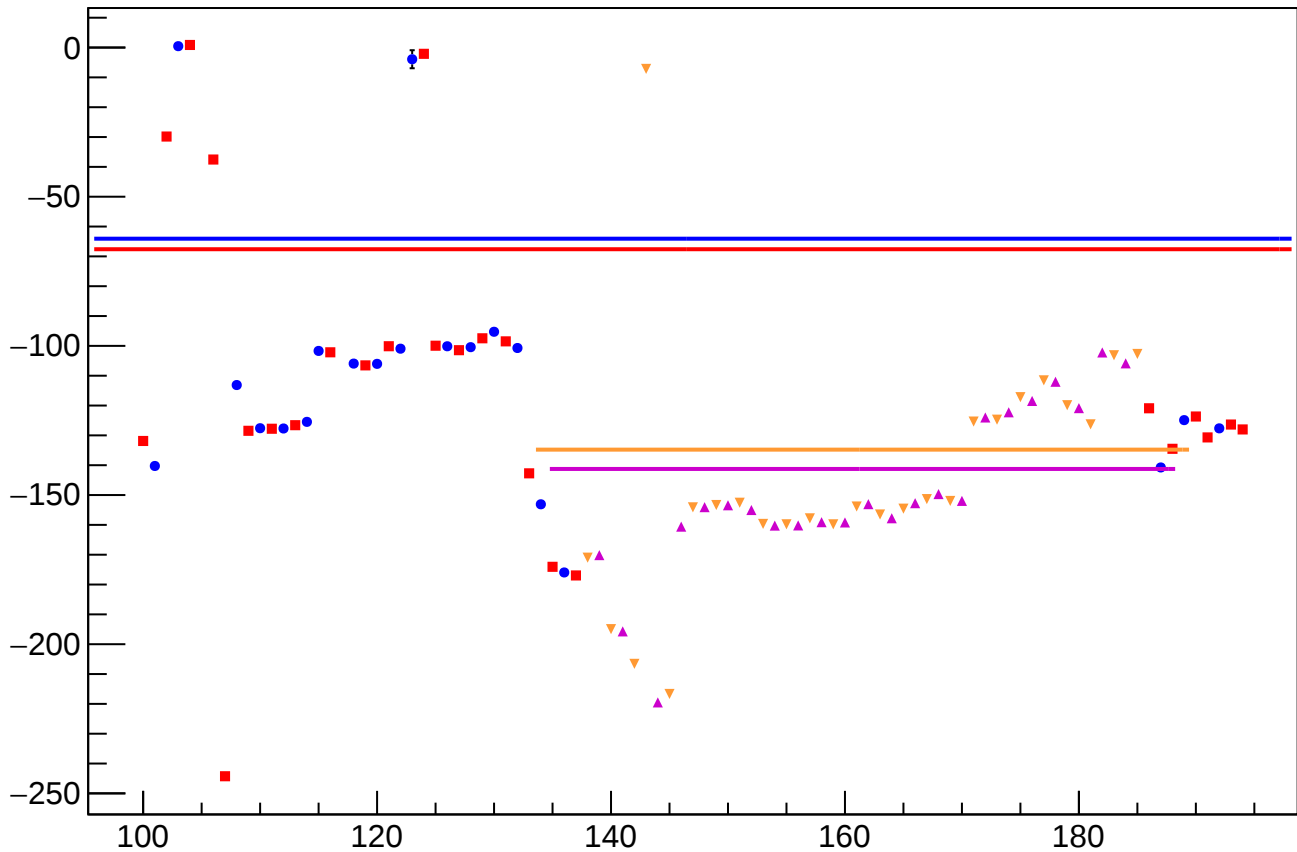
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 52.093 ± 0.750 $\chi^2/\text{NDF}: 1689.5/44$

All: 50.819 ± 0.530 $\chi^2/\text{NDF}: 3101.1/92$

- sign 49.555 ± 0.748 $\chi^2/\text{NDF}: 1405.9/47$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.072 ± 0.059 $\chi^2/\text{NDF}: 1217269.9/19$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -67.604 ± 0.055 $\chi^2/\text{NDF}: 1262574.1/24$

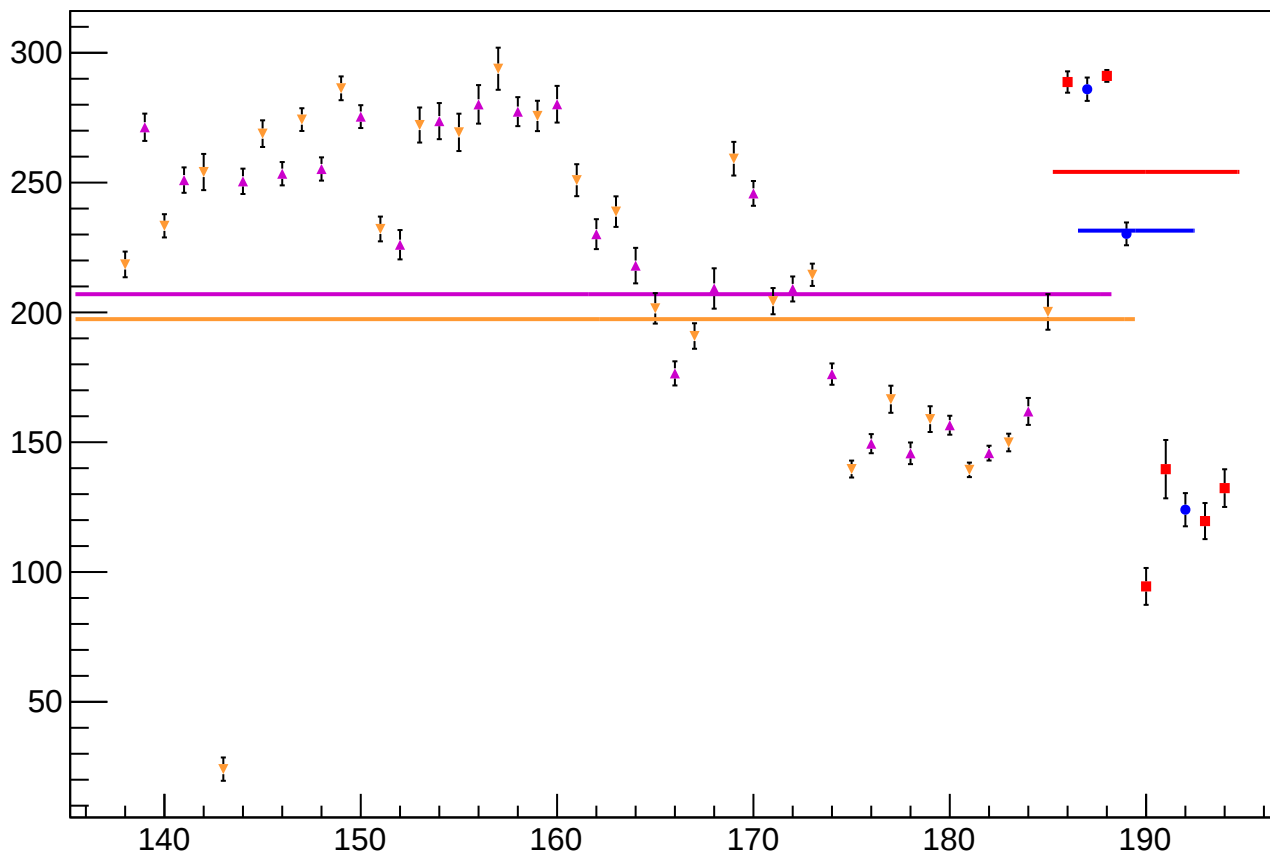
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -109.135 ± 0.036 $\chi^2/\text{NDF}: 2937601.1/44$

All: -110.269 ± 0.025 $\chi^2/\text{NDF}: 5622638.1/92$

- sign -111.365 ± 0.035 $\chi^2/\text{NDF}: 2683032.4/47$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 231.498 ± 2.821 $\chi^2/\text{NDF}: 429.1/2$

Left Out: 197.408 ± 0.963 $\chi^2/\text{NDF}: 4384.2/24$

Right Out: 254.127 ± 1.770 $\chi^2/\text{NDF}: 1599.0/5$

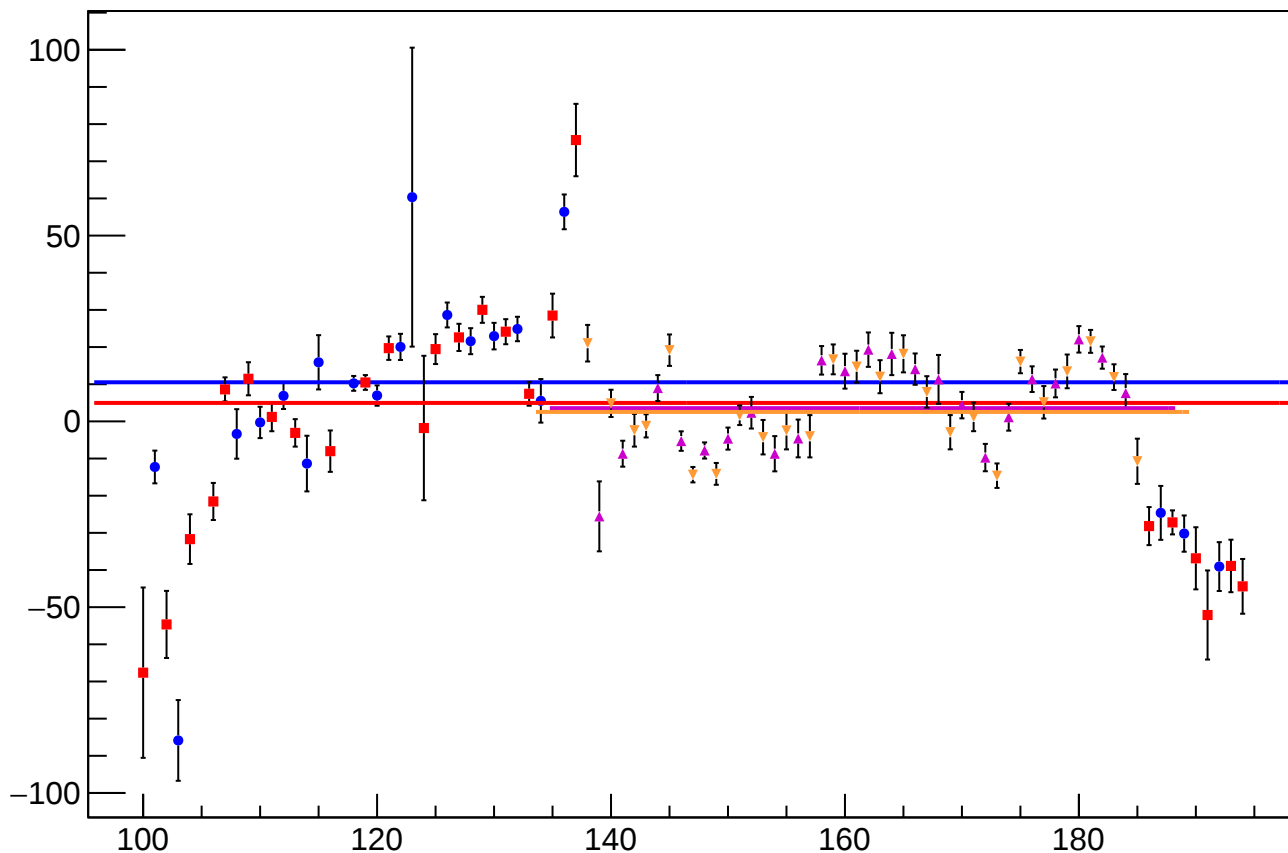
Left In: 207.014 ± 0.990 $\chi^2/\text{NDF}: 2611.5/22$

+ sign 200.964 ± 0.911 $\chi^2/\text{NDF}: 4944.1/27$

All: 210.061 ± 0.627 $\chi^2/\text{NDF}: 9883.4/56$

- sign 218.242 ± 0.864 $\chi^2/\text{NDF}: 4750.0/28$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 10.522 ± 0.905 χ^2/NDF : 454.3/19

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 4.966 ± 0.849 χ^2/NDF : 617.2/24

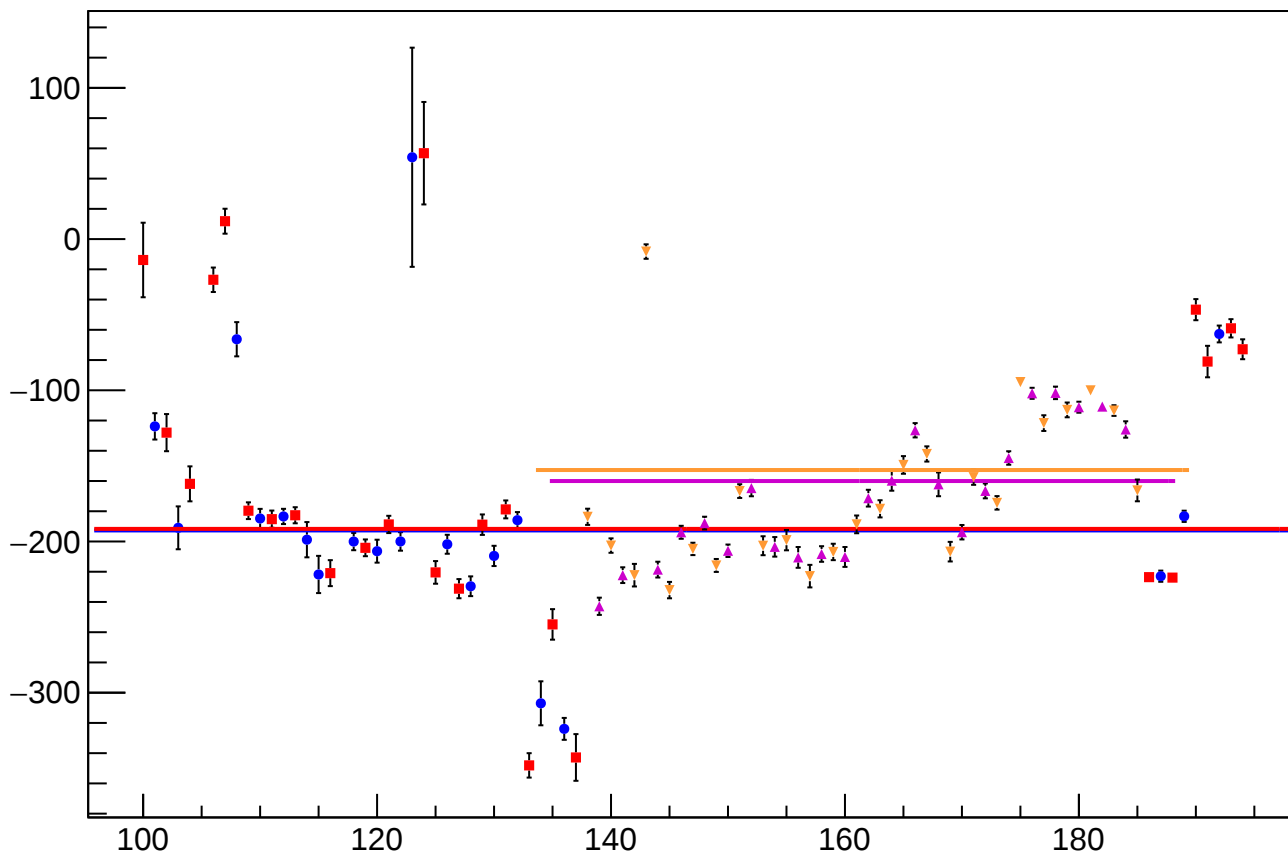
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 5.747 ± 0.573 χ^2/NDF : 776.2/44

All: 4.971 ± 0.405 χ^2/NDF : 1590.6/92

- sign 4.198 ± 0.572 χ^2/NDF : 810.7/47

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -192.691 ± 1.433 χ^2/NDF : 1267.0/19

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -191.665 ± 1.108 χ^2/NDF : 3512.2/24

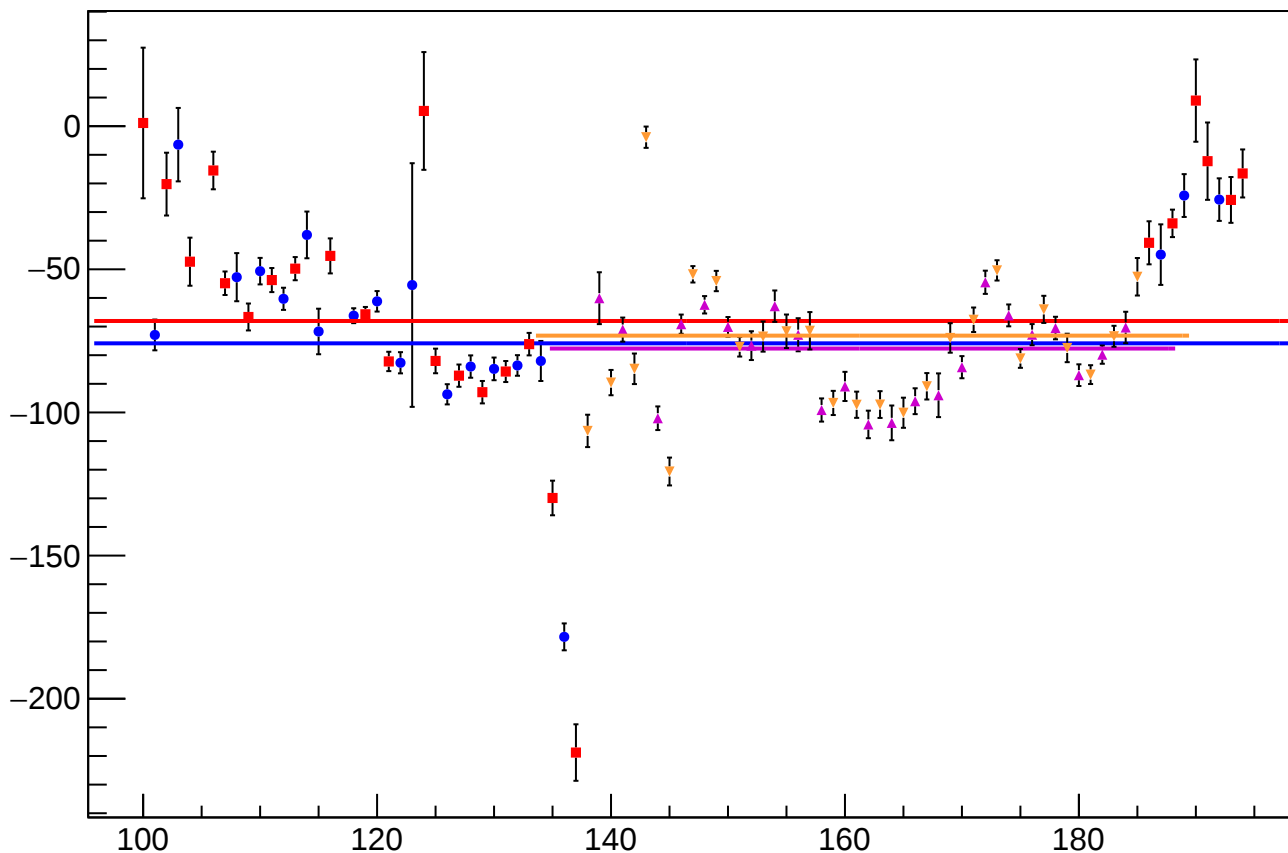
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -165.233 ± 0.802 χ^2/NDF : 4878.7/44

All: -170.004 ± 0.543 χ^2/NDF : 10934.6/92

- sign -174.045 ± 0.738 χ^2/NDF : 5990.5/47

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -75.857 ± 1.056 χ^2/NDF : 756.9/19

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -68.051 ± 0.999 χ^2/NDF : 798.7/24

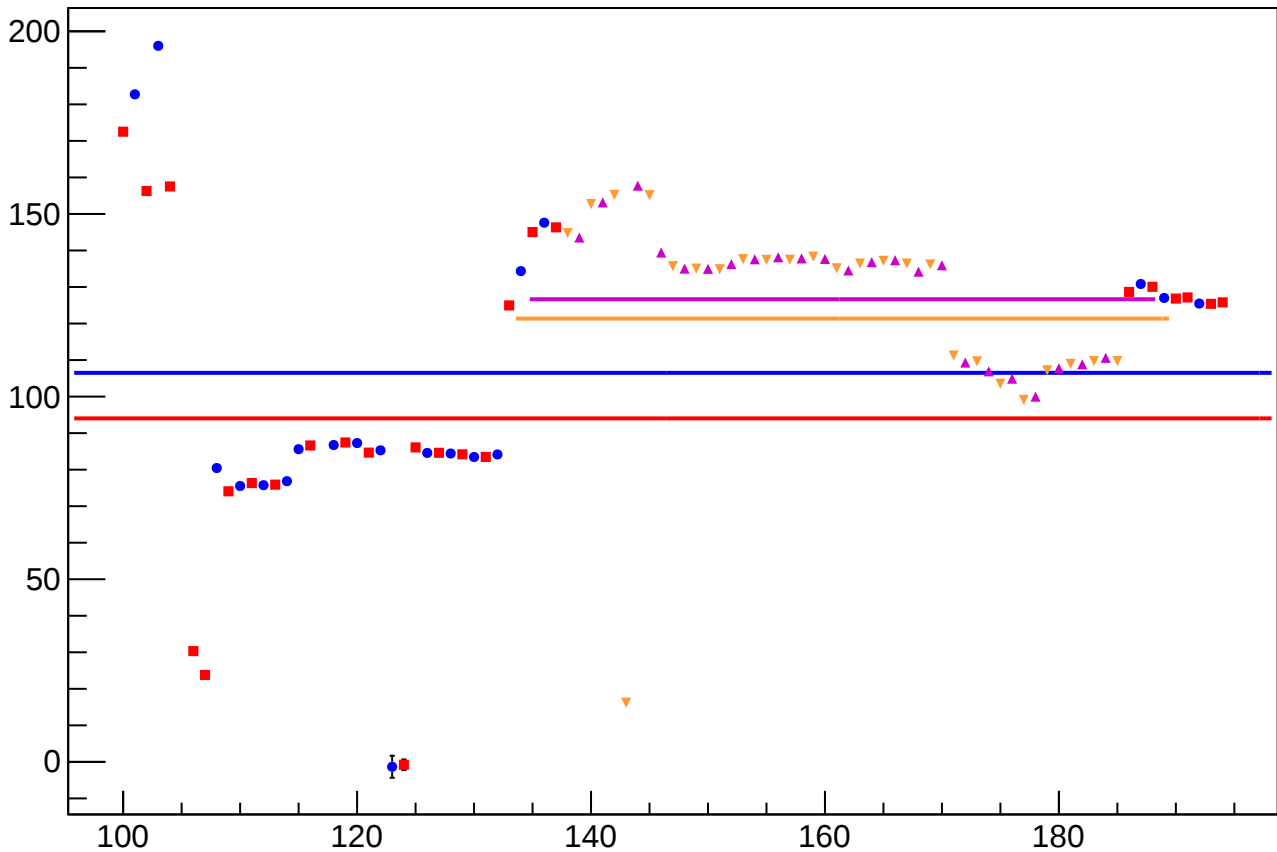
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -74.225 ± 0.663 χ^2/NDF : 1549.5/44

All: -73.840 ± 0.468 χ^2/NDF : 2649.2/92

- sign -73.457 ± 0.662 χ^2/NDF : 1099.1/47

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 106.505 $\pm$ 0.066 χ^2 /NDF: 286195.6/19

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 94.032 $\pm$ 0.057 χ^2 /NDF: 515702.5/24

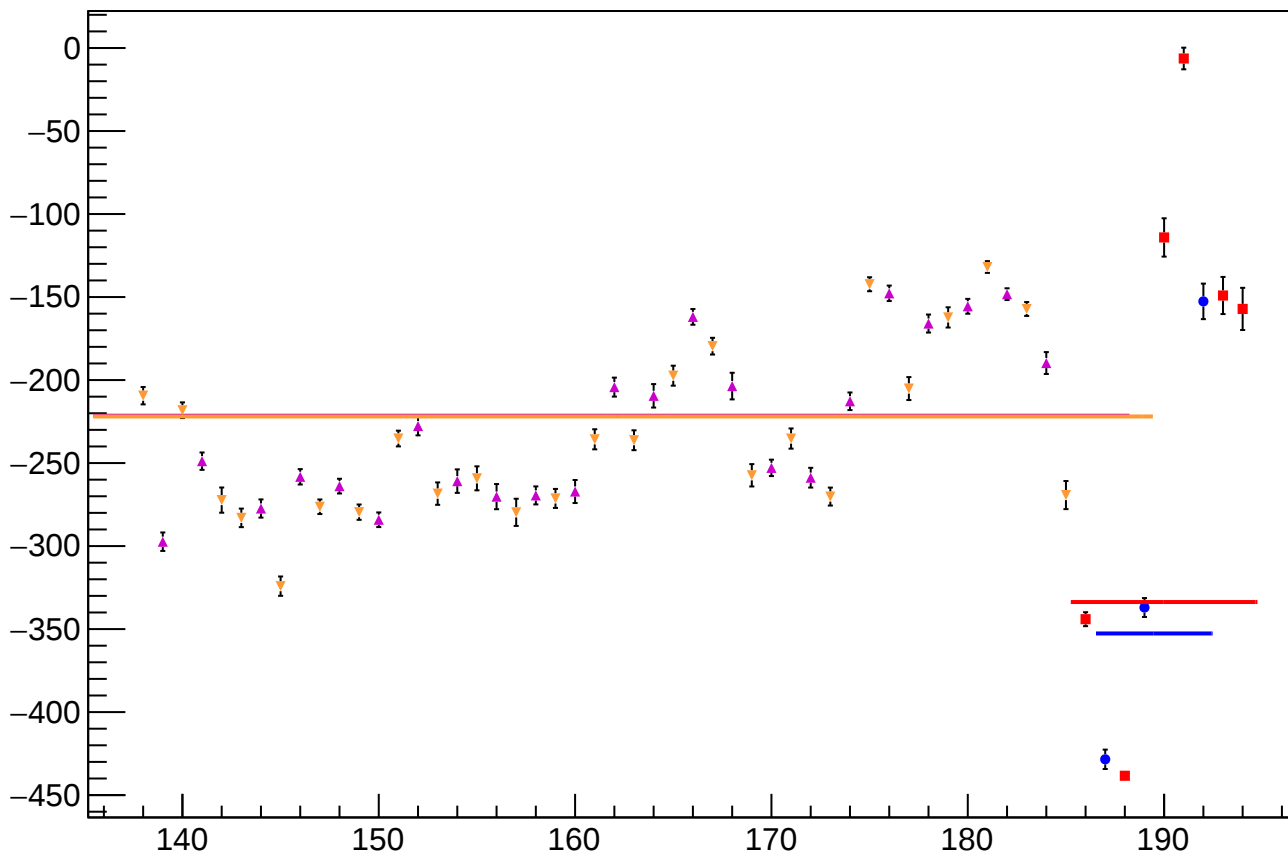
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 117.340 $\pm$ 0.034 χ^2 /NDF: 804881.0/44

All: 116.338 $\pm$ 0.024 χ^2 /NDF: 1702755.1/92

- sign 115.404 $\pm$ 0.033 χ^2 /NDF: 896236.5/47

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -352.635+/-3.807 χ^2/NDF : 525.8/2

Left Out: -221.934+/-1.084 χ^2/NDF : 2578.4/24

Right Out: -333.704+/-2.181 χ^2/NDF : 4544.5/5

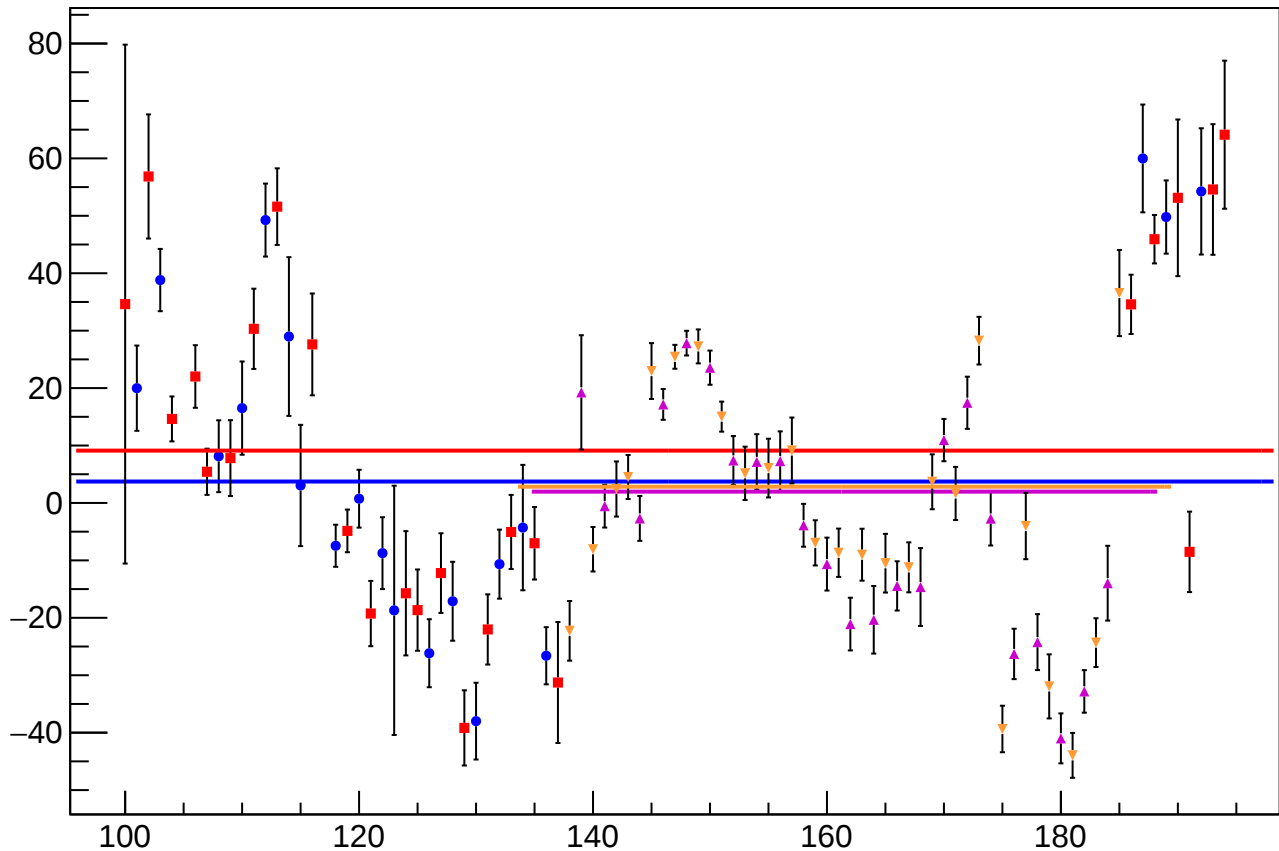
Left In: -221.483+/-1.102 χ^2/NDF : 2149.8/22

+ sign -231.741+/-1.043 χ^2/NDF : 4194.2/27

All: -238.394+/-0.716 χ^2/NDF : 13074.1/56

- sign -244.312+/-0.984 χ^2/NDF : 8803.0/28

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 3.730 ± 1.464 $\chi^2/\text{NDF}: 345.4/19$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 9.113 ± 1.247 $\chi^2/\text{NDF}: 409.6/24$

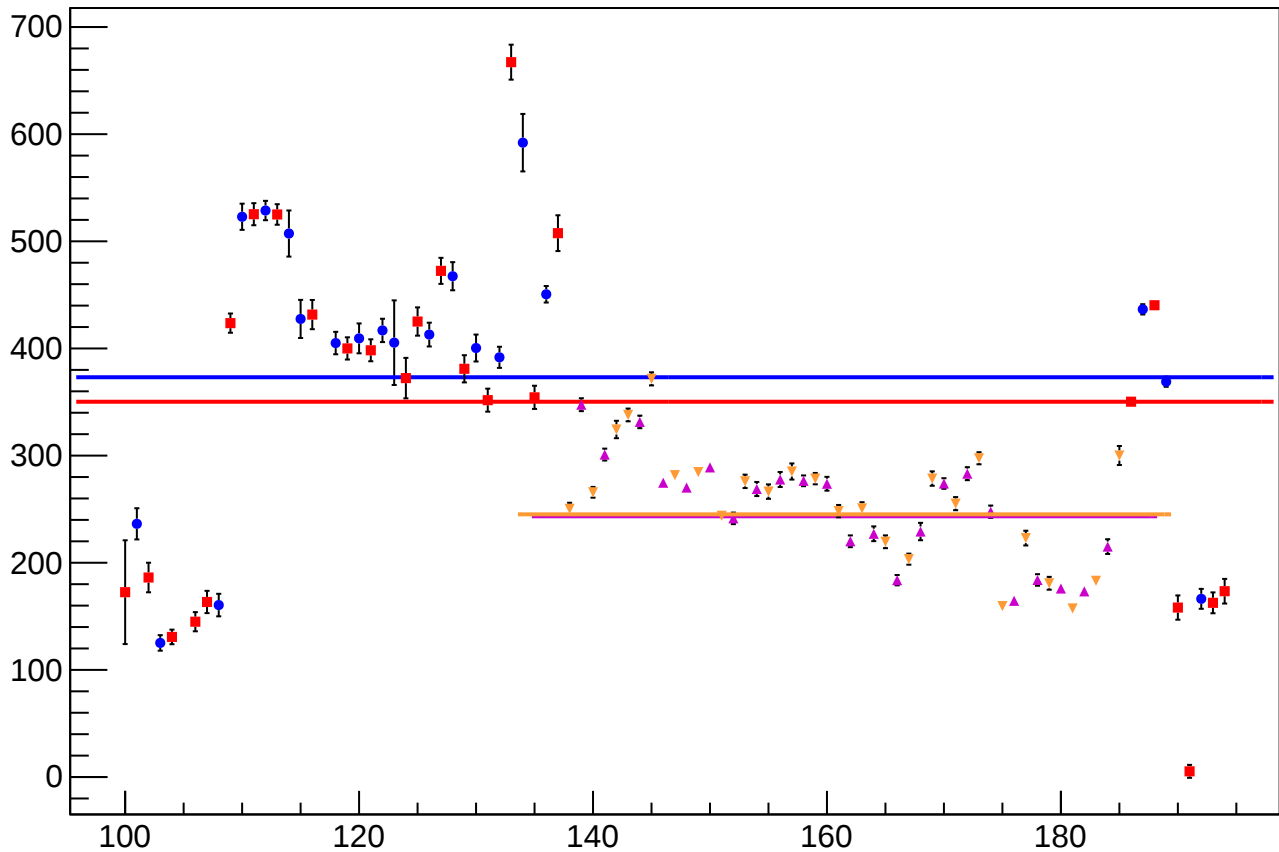
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 3.041 ± 0.707 $\chi^2/\text{NDF}: 1032.6/44$

All: 3.620 ± 0.495 $\chi^2/\text{NDF}: 2055.2/92$

- sign 4.179 ± 0.694 $\chi^2/\text{NDF}: 1021.4/47$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 373.134 $\pm$ 2.092 χ^2 /NDF: 3100.2/19

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF: 2597.4/24

Right Out: 350.281 $\pm$ 1.471 χ^2 /NDF: 8942.1/24

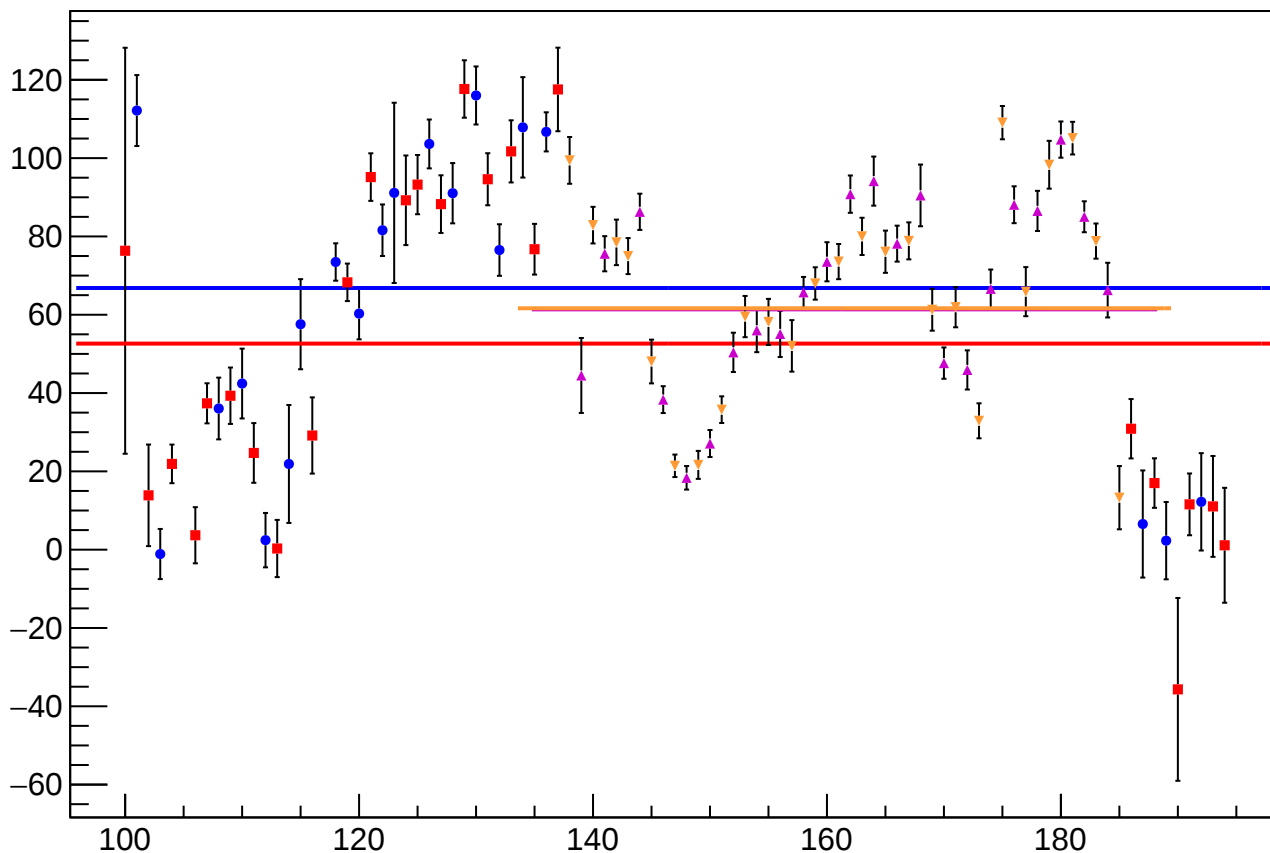
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF: 2236.7/22

+ sign 272.185 $\pm$ 0.961 χ^2 /NDF: 8649.1/44

All: 277.224 $\pm$ 0.648 χ^2 /NDF: 23280.5/92

- sign 281.426 $\pm$ 0.878 χ^2 /NDF: 14581.0/47

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 66.830 $\pm$ 1.710 χ^2 /NDF: 511.1/19

Left Out: 61.647 $\pm$ 0.936 χ^2 /NDF: 871.5/24

Right Out: 52.632 $\pm$ 1.498 χ^2 /NDF: 611.3/24

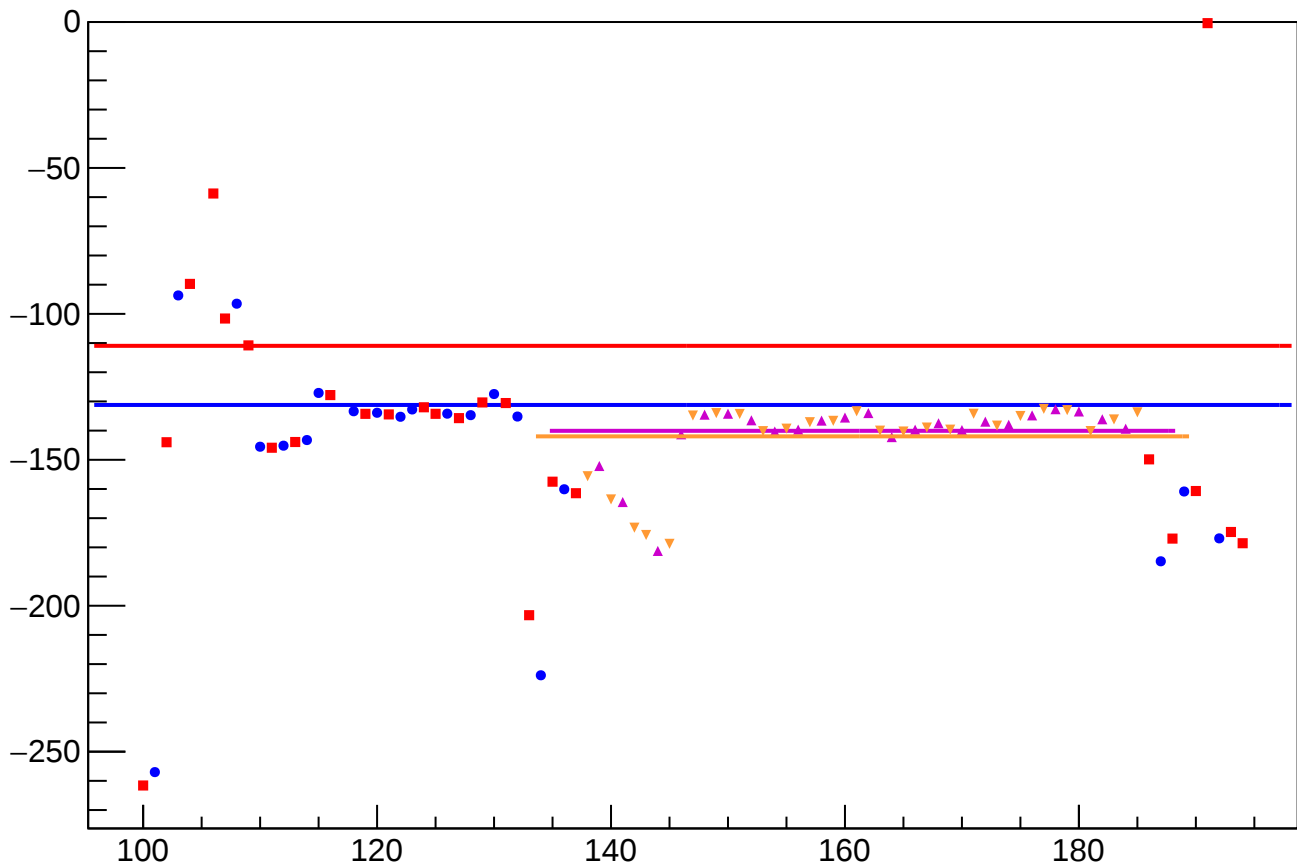
Left In: 61.375 $\pm$ 0.961 χ^2 /NDF: 699.7/22

+ sign 62.842 $\pm$ 0.821 χ^2 /NDF: 1389.7/44

All: 60.804 $\pm$ 0.576 χ^2 /NDF: 2736.9/92

- sign 58.825 $\pm$ 0.809 χ^2 /NDF: 1335.1/47

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -131.207 ± 0.086 $\chi^2/\text{NDF}: 191376.4/19$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -110.951 ± 0.072 $\chi^2/\text{NDF}: 532761.6/24$

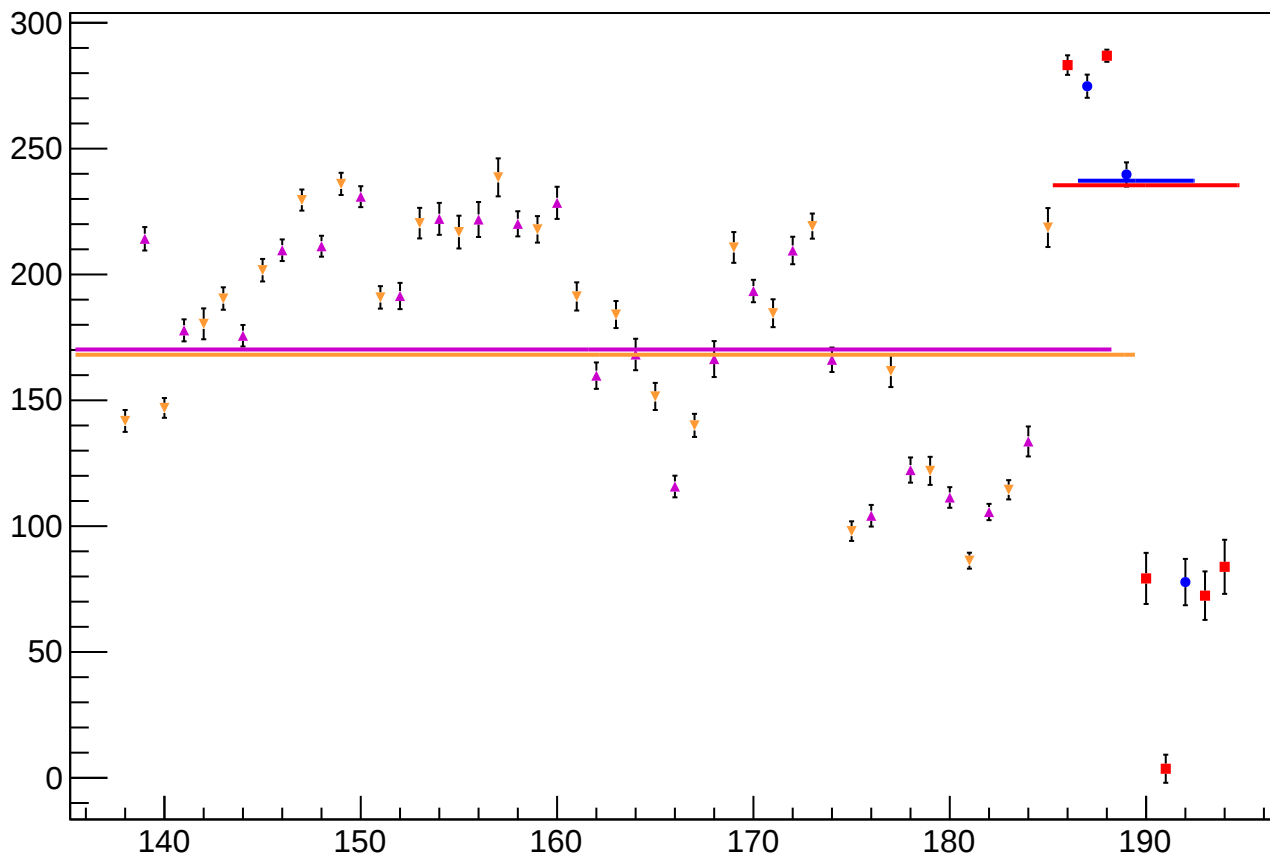
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -139.664 ± 0.040 $\chi^2/\text{NDF}: 284044.8/44$

All: -135.638 ± 0.027 $\chi^2/\text{NDF}: 1002159.9/92$

- sign -131.901 ± 0.038 $\chi^2/\text{NDF}: 698210.7/47$

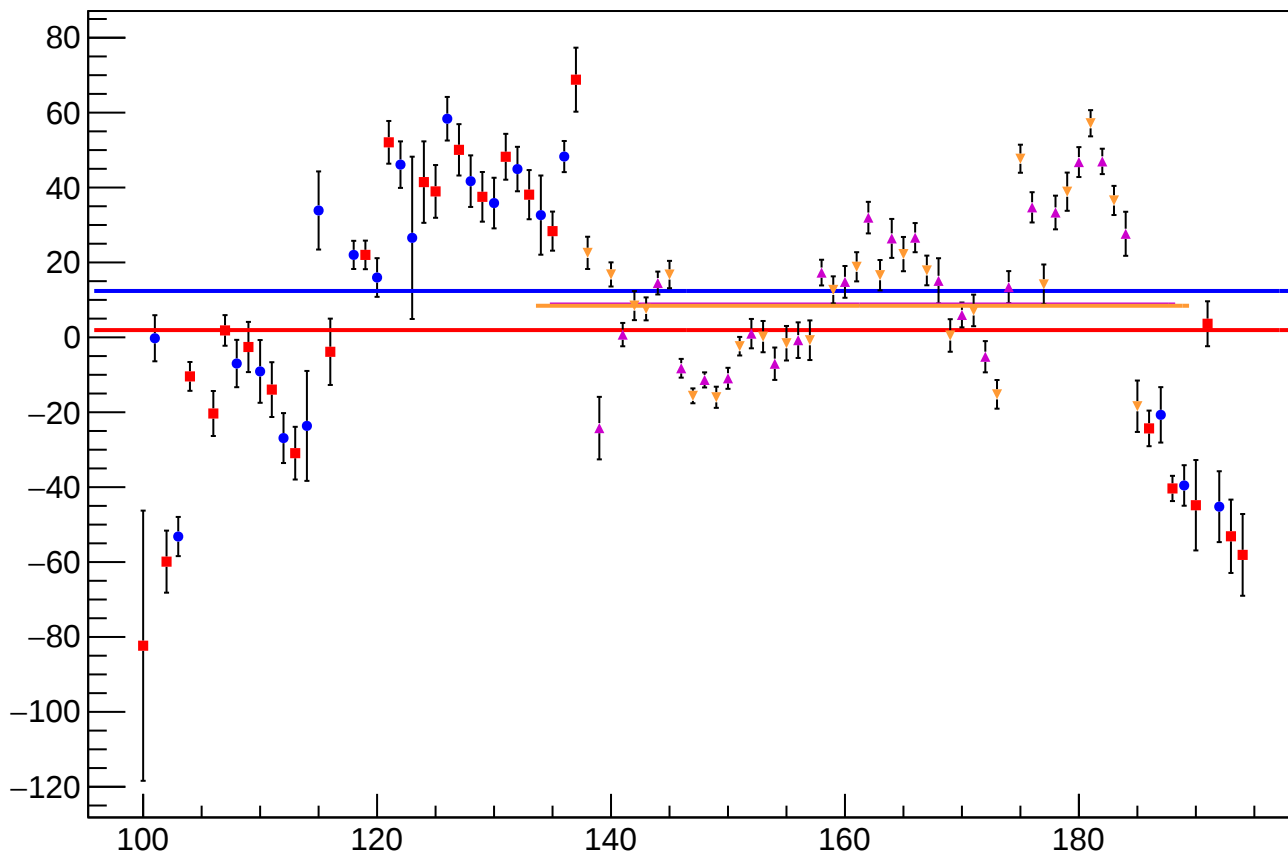
reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 237.260 $\pm$ 3.125 χ^2 /NDF: 366.8/2
 Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF:2468.8/24
 Right Out: 235.452 $\pm$ 1.827 χ^2 /NDF: 3052.4/5
 Left In: 170.198 $\pm$ 0.995 χ^2 /NDF:2024.5/22

+ sign 174.187 $\pm$ 0.927 χ^2 /NDF: 3282.3/27
 All: 179.978 $\pm$ 0.636 χ^2 /NDF: 9416.5/56
 - sign 185.131 $\pm$ 0.874 χ^2 /NDF: 6060.4/28

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 12.384 $\pm$ 1.406 χ^2/NDF : 609.2/19

Left Out: 8.436 $\pm$ 0.728 χ^2/NDF : 752.0/24

Right Out: 1.940 $\pm$ 1.193 χ^2/NDF : 775.6/24

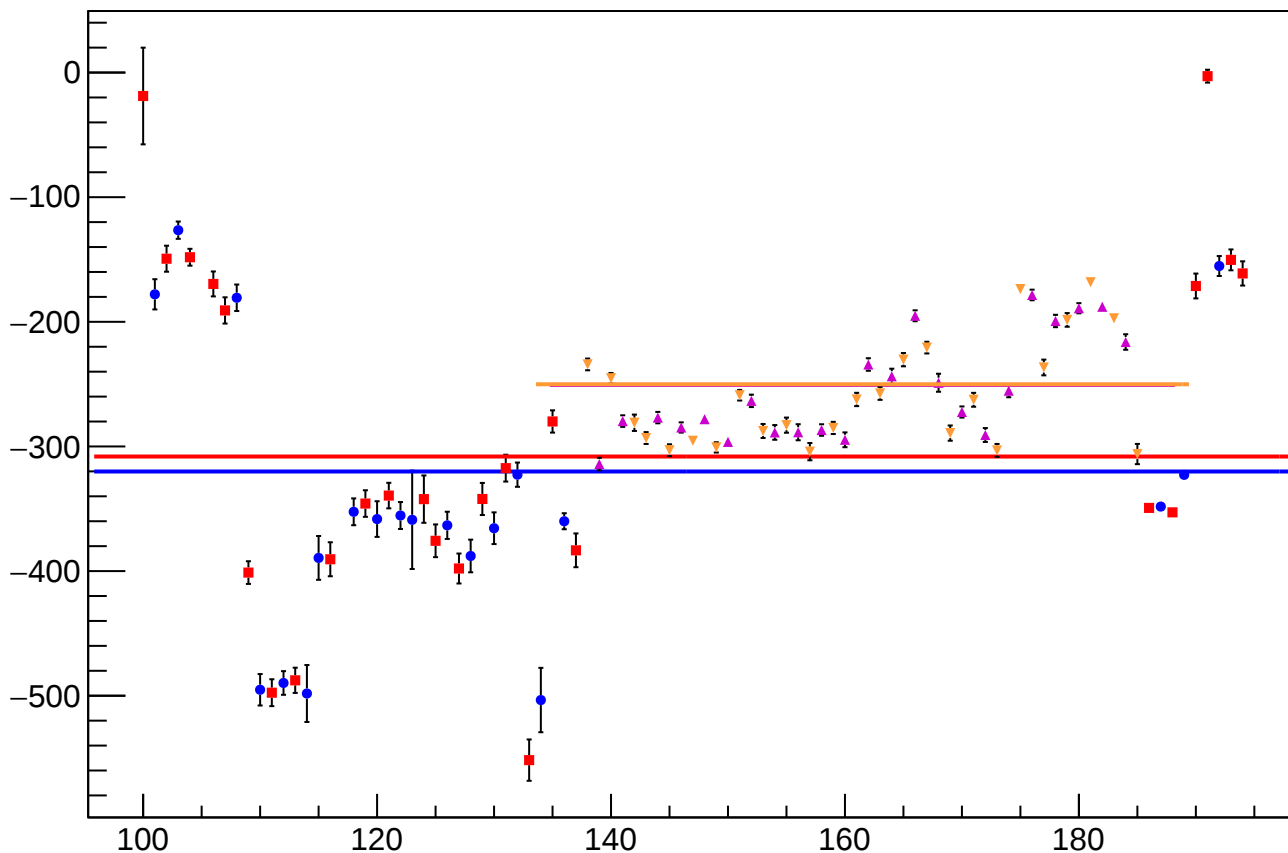
Left In: 8.769 $\pm$ 0.758 χ^2/NDF : 626.8/22

+ sign 9.272 $\pm$ 0.646 χ^2/NDF : 1367.5/44

All: 8.025 $\pm$ 0.455 χ^2/NDF : 2800.6/92

- sign 6.804 $\pm$ 0.640 χ^2/NDF : 1425.8/47

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -320.095 $\pm$ 1.865 χ^2/NDF : 2328.0/19

Left Out: -250.119 $\pm$ 0.972 χ^2/NDF : 2246.9/24

Right Out: -308.071 $\pm$ 1.291 χ^2/NDF : 7265.6/24

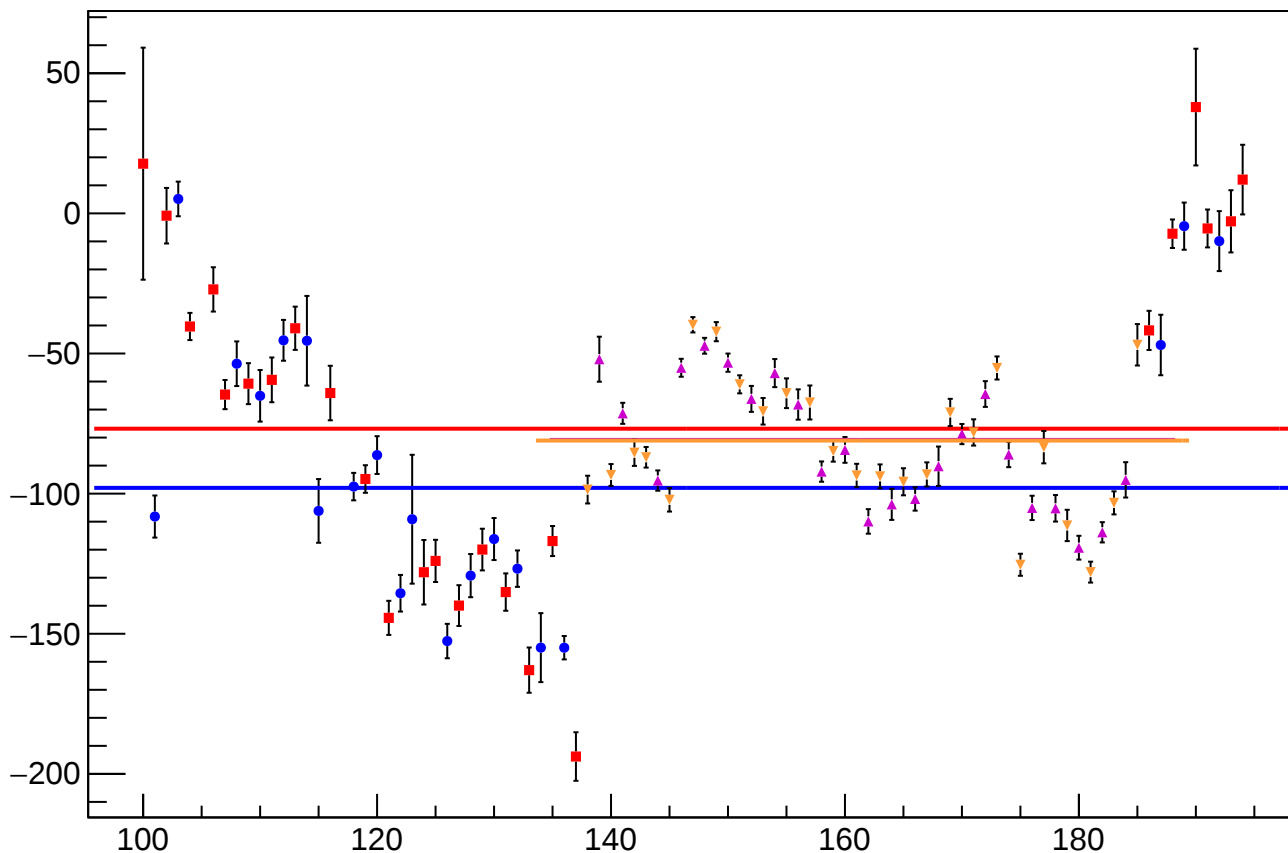
Left In: -250.628 $\pm$ 0.990 χ^2/NDF : 1937.1/22

+ sign -265.068 $\pm$ 0.862 χ^2/NDF : 5681.5/44

All: -268.809 $\pm$ 0.581 χ^2/NDF : 16165.3/92

- sign -271.915 $\pm$ 0.786 χ^2/NDF : 10449.4/47

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -97.943 ± 1.641 χ^2/NDF : 966.7/19

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -76.829 ± 1.440 χ^2/NDF : 1381.8/24

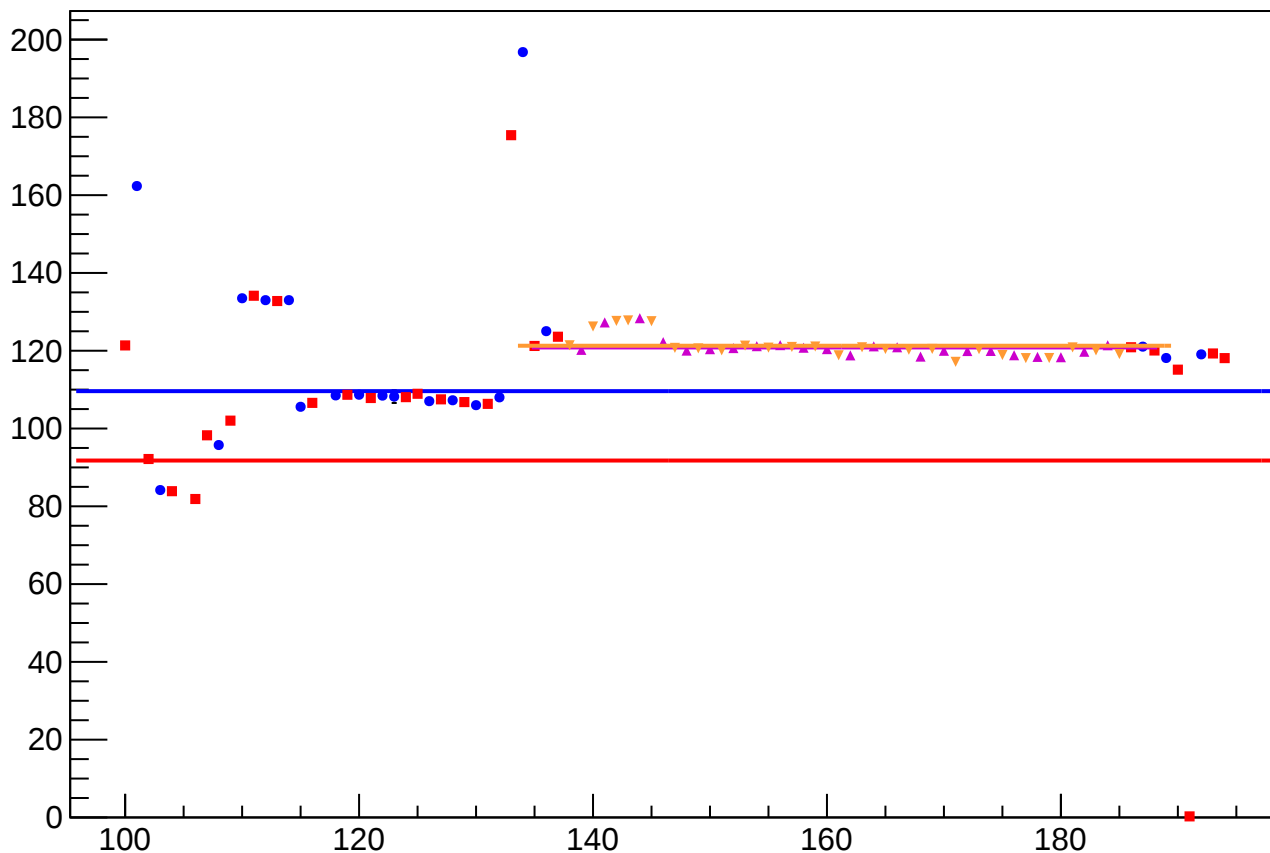
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -84.582 ± 0.750 χ^2/NDF : 1963.5/44

All: -82.157 ± 0.529 χ^2/NDF : 4064.9/92

- sign -79.759 ± 0.746 χ^2/NDF : 2080.6/47

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 109.611 $\pm$ 0.080 χ^2 /NDF: 74981.6/19

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 91.768 $\pm$ 0.067 χ^2 /NDF: 342025.4/24

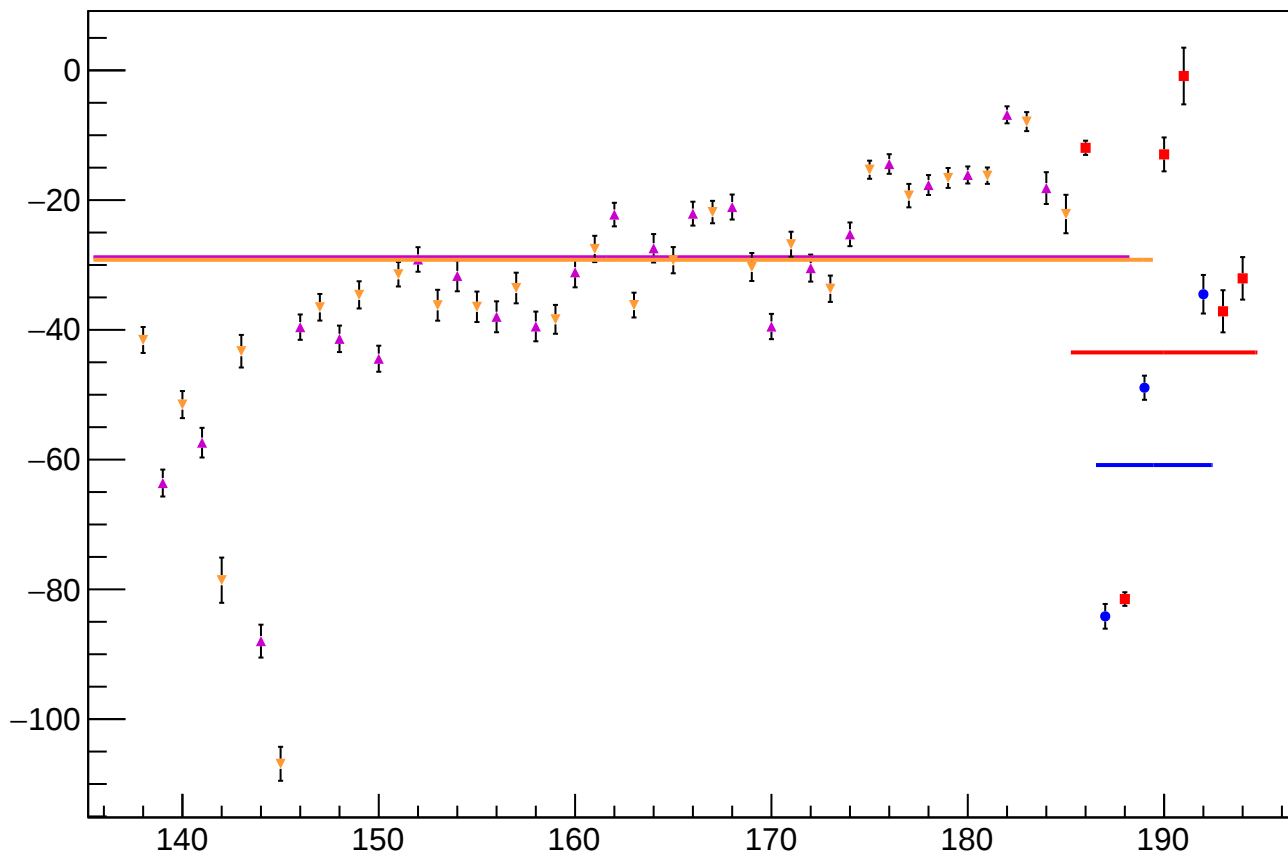
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.953 $\pm$ 0.036 χ^2 /NDF: 96834.1/44

All: 115.894 $\pm$ 0.025 χ^2 /NDF: 593720.2/92

- sign 113.018 $\pm$ 0.035 χ^2 /NDF: 482783.5/47

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -60.837 ± 1.215 $\chi^2/\text{NDF}: 269.1/2$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -43.479 ± 0.686 $\chi^2/\text{NDF}: 2385.0/5$

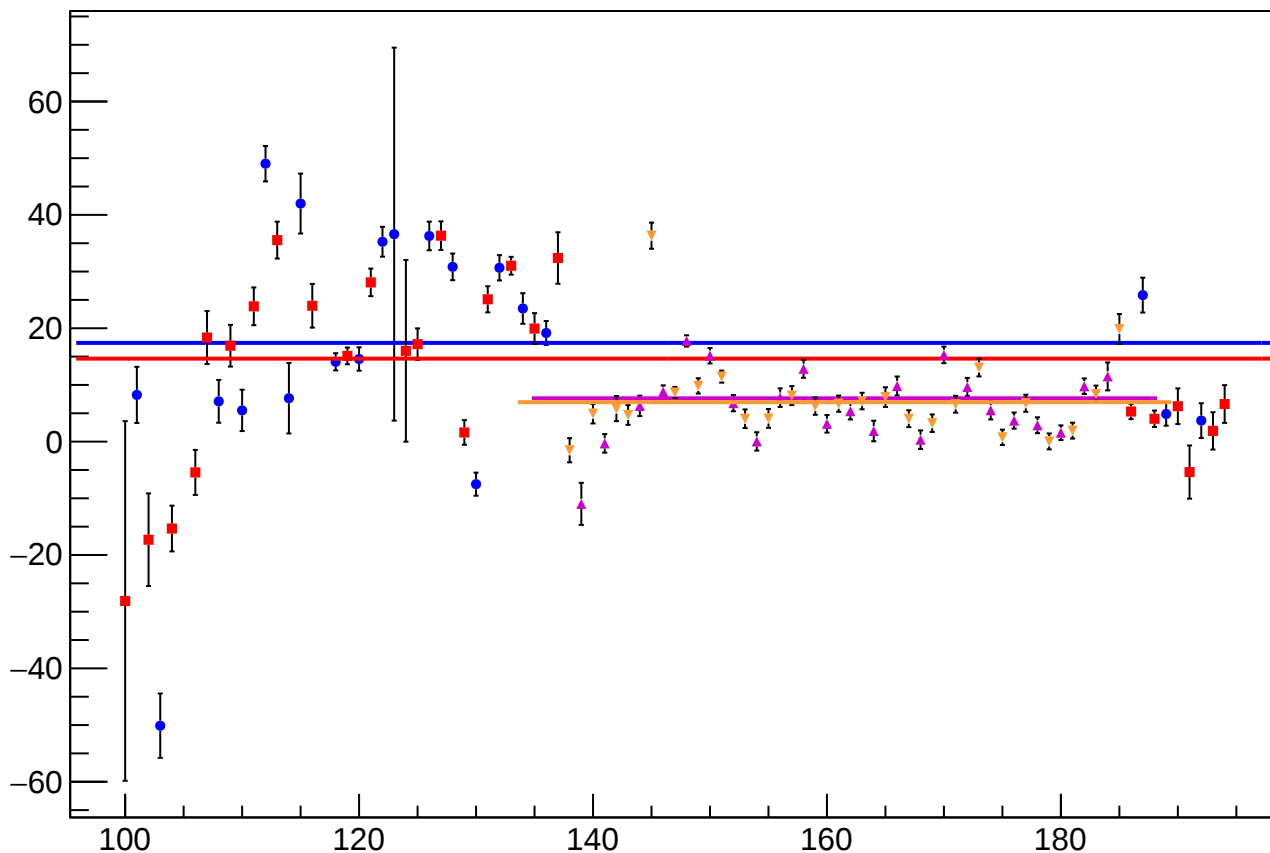
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -32.135 ± 0.370 $\chi^2/\text{NDF}: 2765.7/27$

All: -32.313 ± 0.251 $\chi^2/\text{NDF}: 7258.2/56$

- sign -32.466 ± 0.343 $\chi^2/\text{NDF}: 4492.0/28$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 17.418 $\pm$ 0.599 χ^2 /NDF: 686.1/19

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF: 321.3/24

Right Out: 14.642 $\pm$ 0.515 χ^2 /NDF: 590.7/24

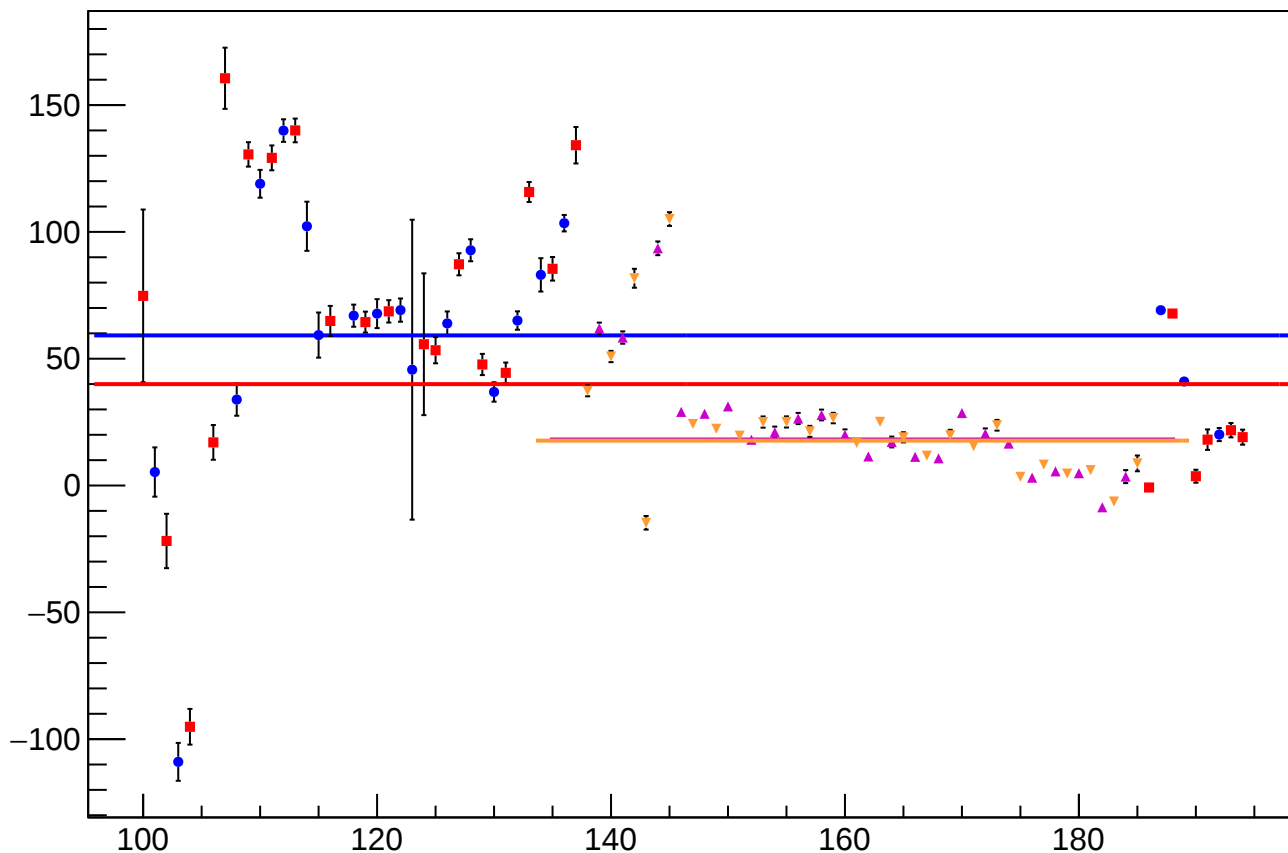
Left In: 7.638 $\pm$ 0.313 χ^2 /NDF: 337.7/22

+ sign 9.090 $\pm$ 0.270 χ^2 /NDF: 1250.0/44

All: 9.313 $\pm$ 0.190 χ^2 /NDF: 2314.7/92

- sign 9.531 $\pm$ 0.268 χ^2 /NDF: 1063.3/47

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 59.185 ± 0.787 χ^2/NDF : 1729.6/19

Left Out: 17.705 ± 0.387 χ^2/NDF : 2432.2/24

Right Out: 39.973 ± 0.512 χ^2/NDF : 6077.7/24

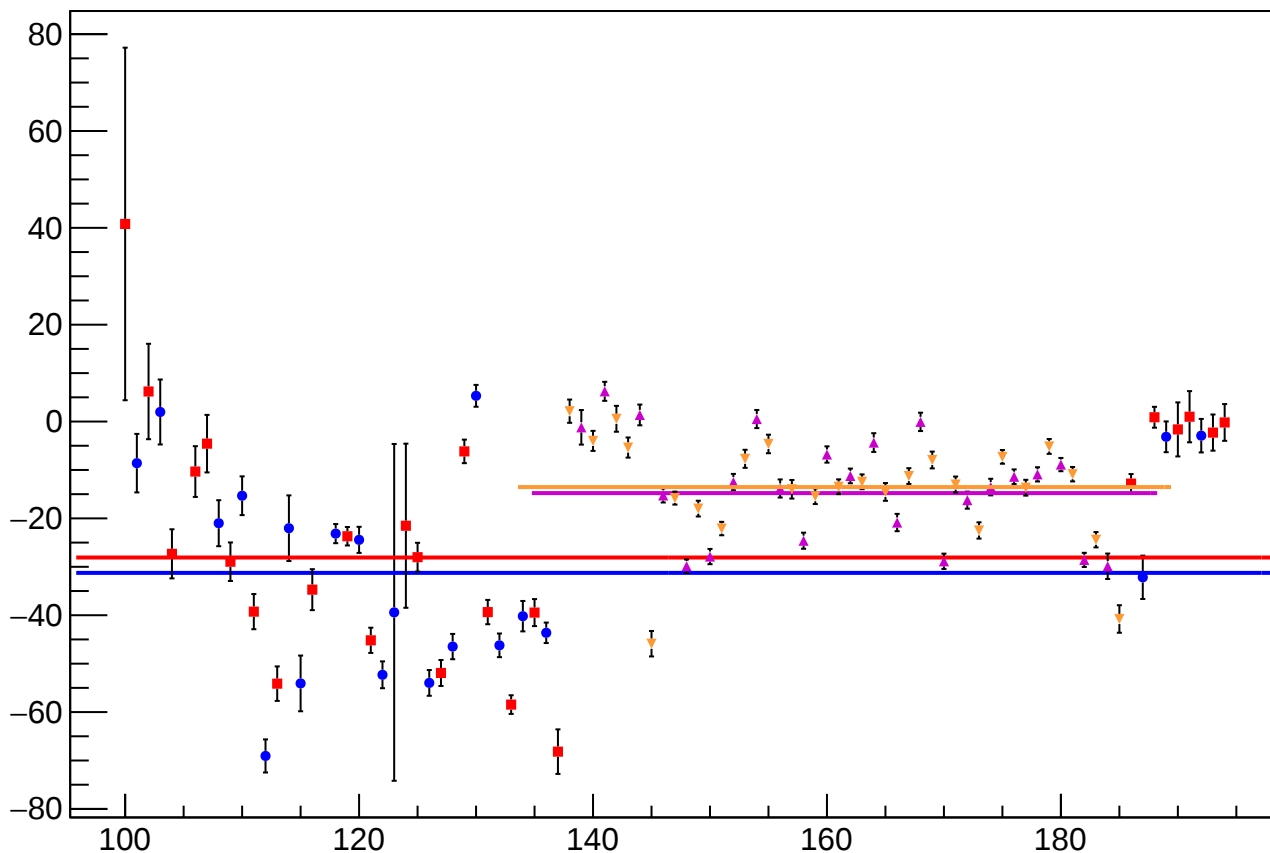
Left In: 18.150 ± 0.393 χ^2/NDF : 2339.4/22

+ sign 25.783 ± 0.347 χ^2/NDF : 6396.6/44

All: 26.032 ± 0.232 χ^2/NDF : 15959.1/92

- sign 26.232 ± 0.312 χ^2/NDF : 9561.5/47

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -31.254 ± 0.702 $\chi^2/\text{NDF}: 874.7/19$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -28.080 ± 0.630 $\chi^2/\text{NDF}: 1073.0/24$

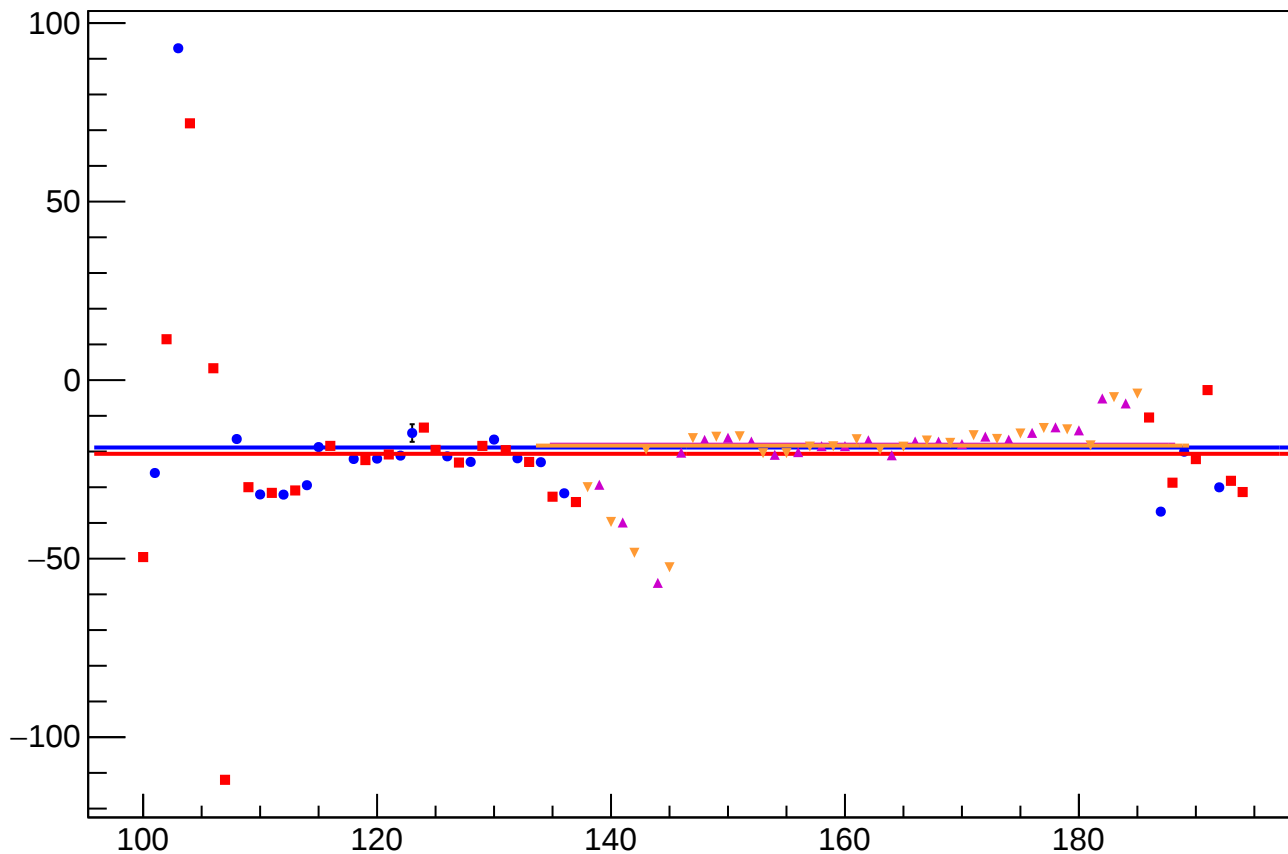
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -16.962 ± 0.309 $\chi^2/\text{NDF}: 1961.3/44$

All: -17.467 ± 0.218 $\chi^2/\text{NDF}: 4216.4/92$

- sign -17.971 ± 0.309 $\chi^2/\text{NDF}: 2249.8/47$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -18.868 ± 0.039 $\chi^2/\text{NDF}: 492849.5/19$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -20.638 ± 0.034 $\chi^2/\text{NDF}: 475232.9/24$

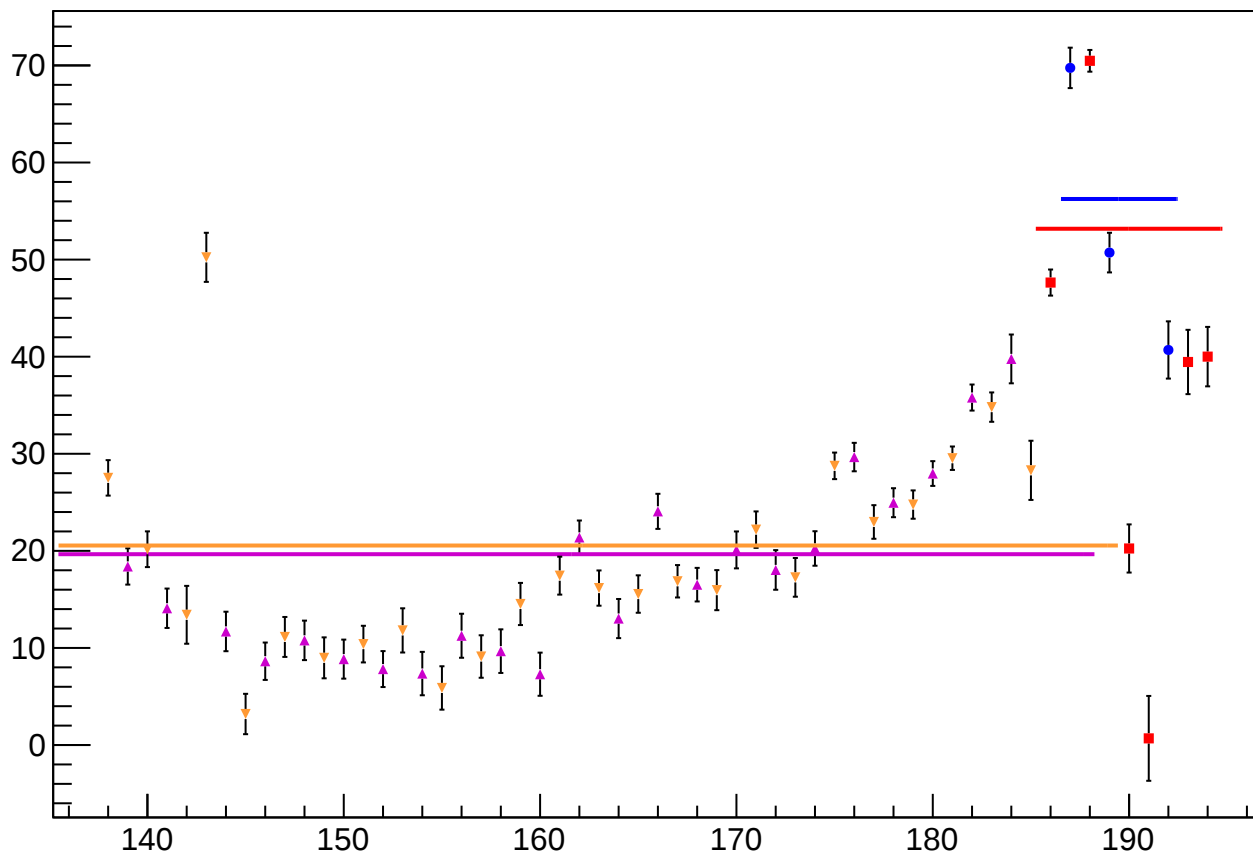
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.409 ± 0.015 $\chi^2/\text{NDF}: 777160.8/44$

All: -18.479 ± 0.010 $\chi^2/\text{NDF}: 1498982.0/92$

- sign -18.548 ± 0.015 $\chi^2/\text{NDF}: 721775.6/47$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 56.243 ± 1.307 $\chi^2/\text{NDF}: 77.2/2$

Left Out: 20.550 ± 0.373 $\chi^2/\text{NDF}: 626.4/24$

Right Out: 53.178 ± 0.752 $\chi^2/\text{NDF}: 612.6/5$

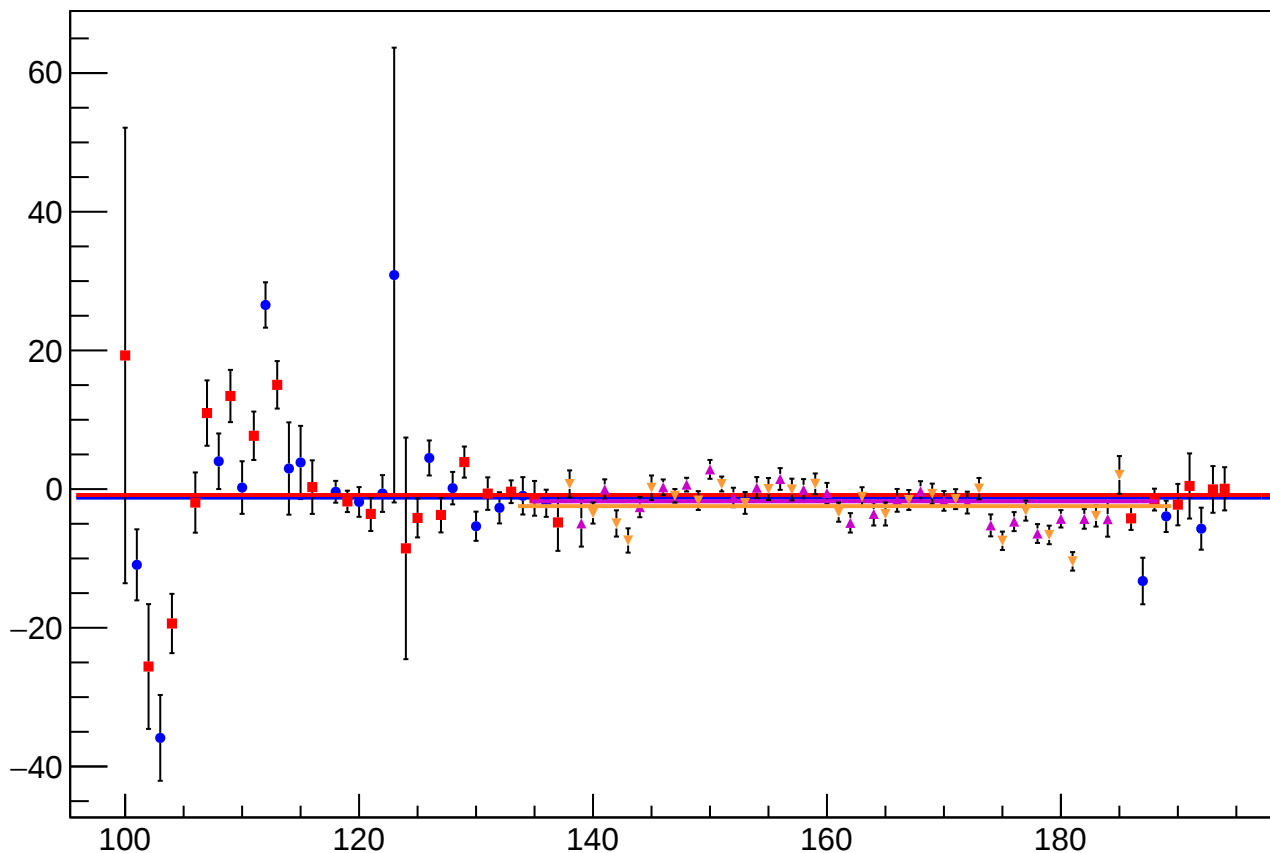
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 23.240 ± 0.359 $\chi^2/\text{NDF}: 1393.3/27$

All: 24.949 ± 0.247 $\chi^2/\text{NDF}: 4201.7/56$

- sign 26.480 ± 0.339 $\chi^2/\text{NDF}: 2765.4/28$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.227 ± 0.612 χ^2/NDF : 137.9/19

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -0.850 ± 0.540 χ^2/NDF : 89.8/24

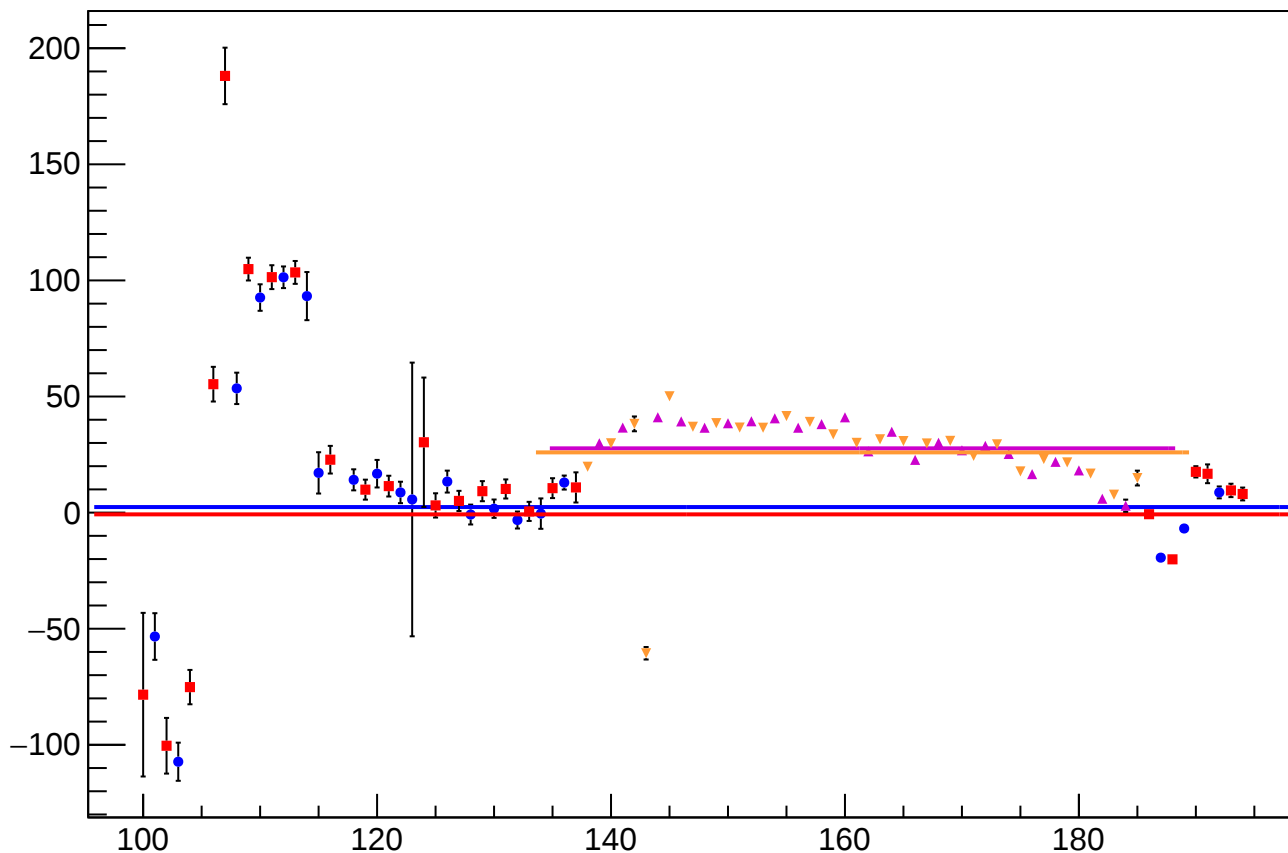
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.227 ± 0.264 χ^2/NDF : 247.2/44

All: -1.884 ± 0.186 χ^2/NDF : 409.9/92

- sign -1.542 ± 0.264 χ^2/NDF : 159.4/47

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 2.395 ± 0.827 χ^2/NDF : 1277.7/19

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -0.752 ± 0.557 χ^2/NDF : 2393.0/24

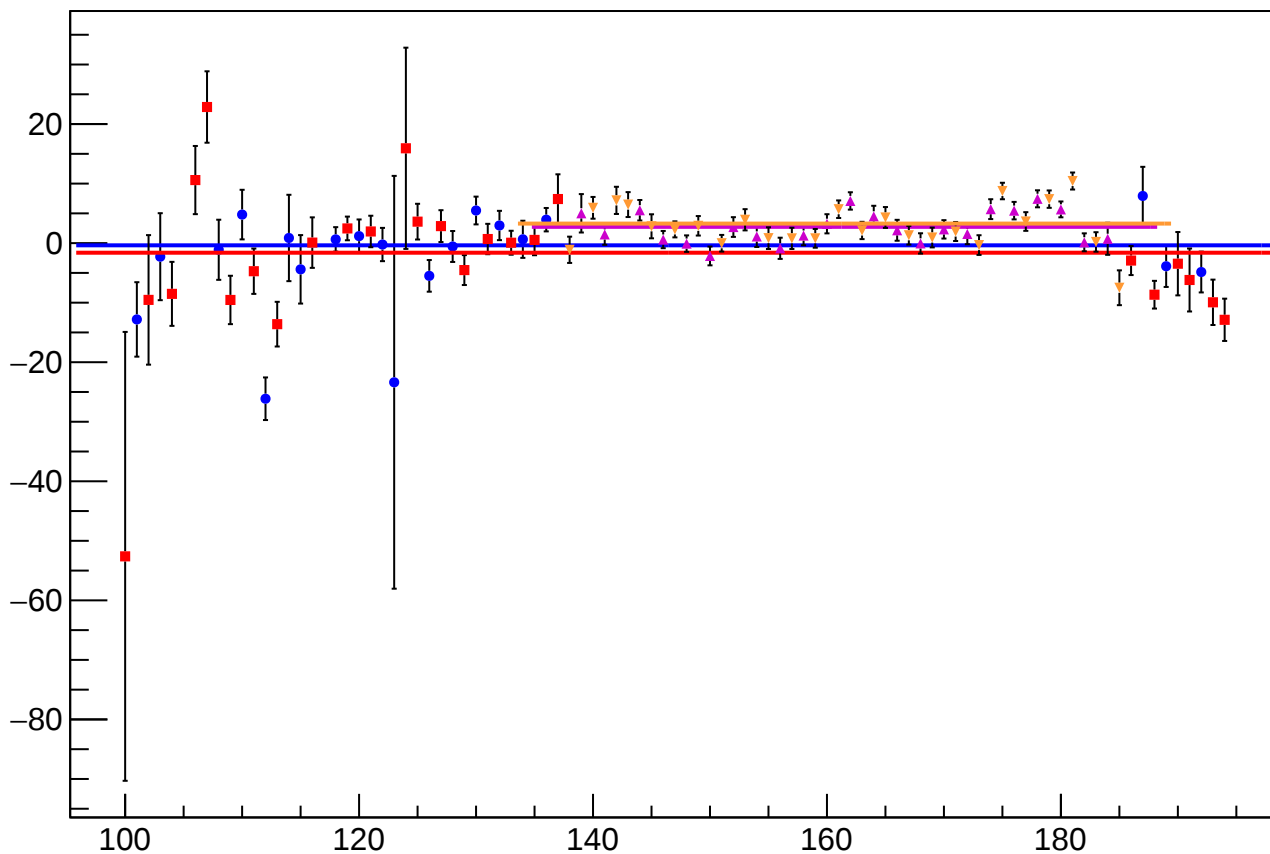
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 21.967 ± 0.339 χ^2/NDF : 3663.6/44

All: 20.208 ± 0.230 χ^2/NDF : 8691.6/92

- sign 18.713 ± 0.313 χ^2/NDF : 4978.3/47

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.367 ± 0.712 χ^2/NDF : 81.3/19

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -1.609 ± 0.652 χ^2/NDF : 86.5/24

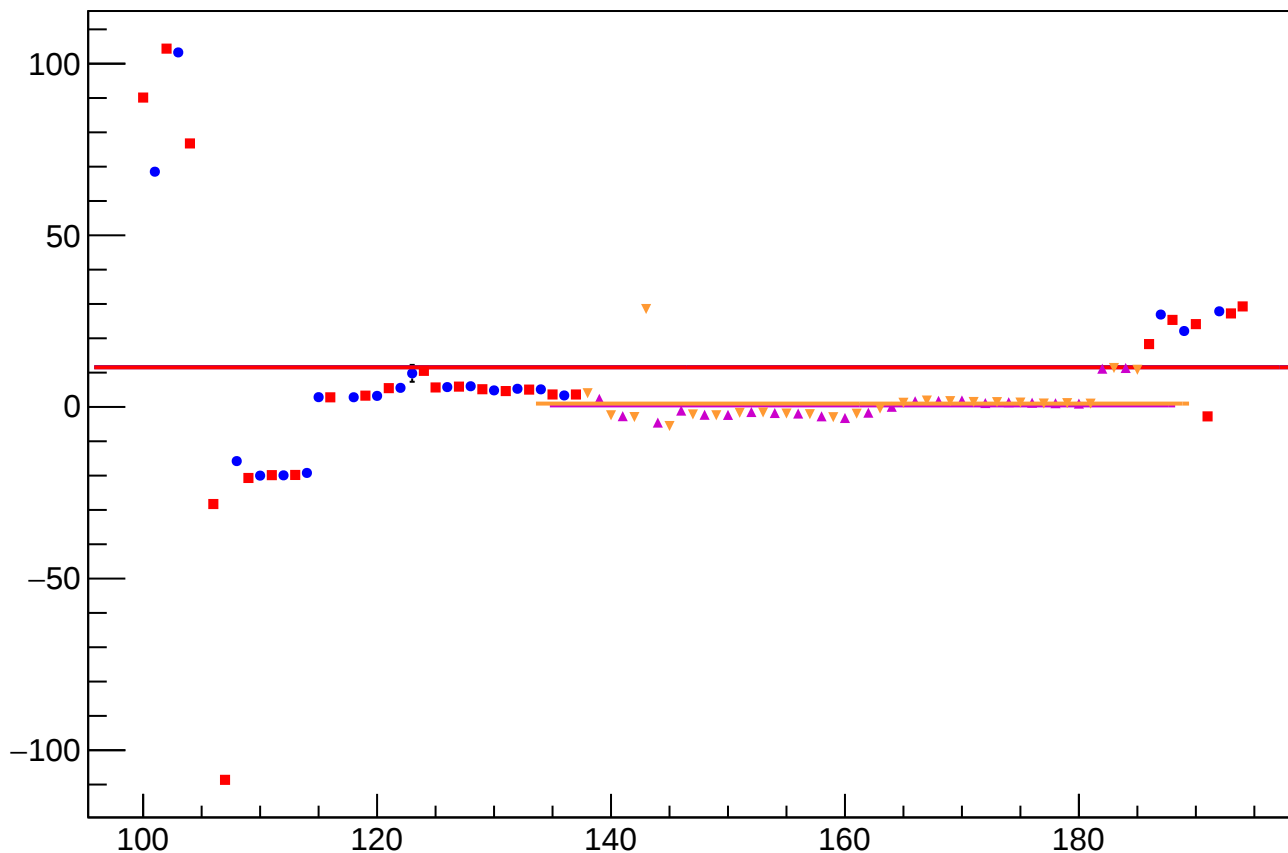
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.633 ± 0.300 χ^2/NDF : 205.2/44

All: 2.221 ± 0.213 χ^2/NDF : 394.8/92

- sign 1.804 ± 0.302 χ^2/NDF : 185.8/47

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 11.582 $\pm$ 0.039 χ^2 /NDF: 394555.5/19

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 11.539 $\pm$ 0.035 χ^2 /NDF: 620438.3/24

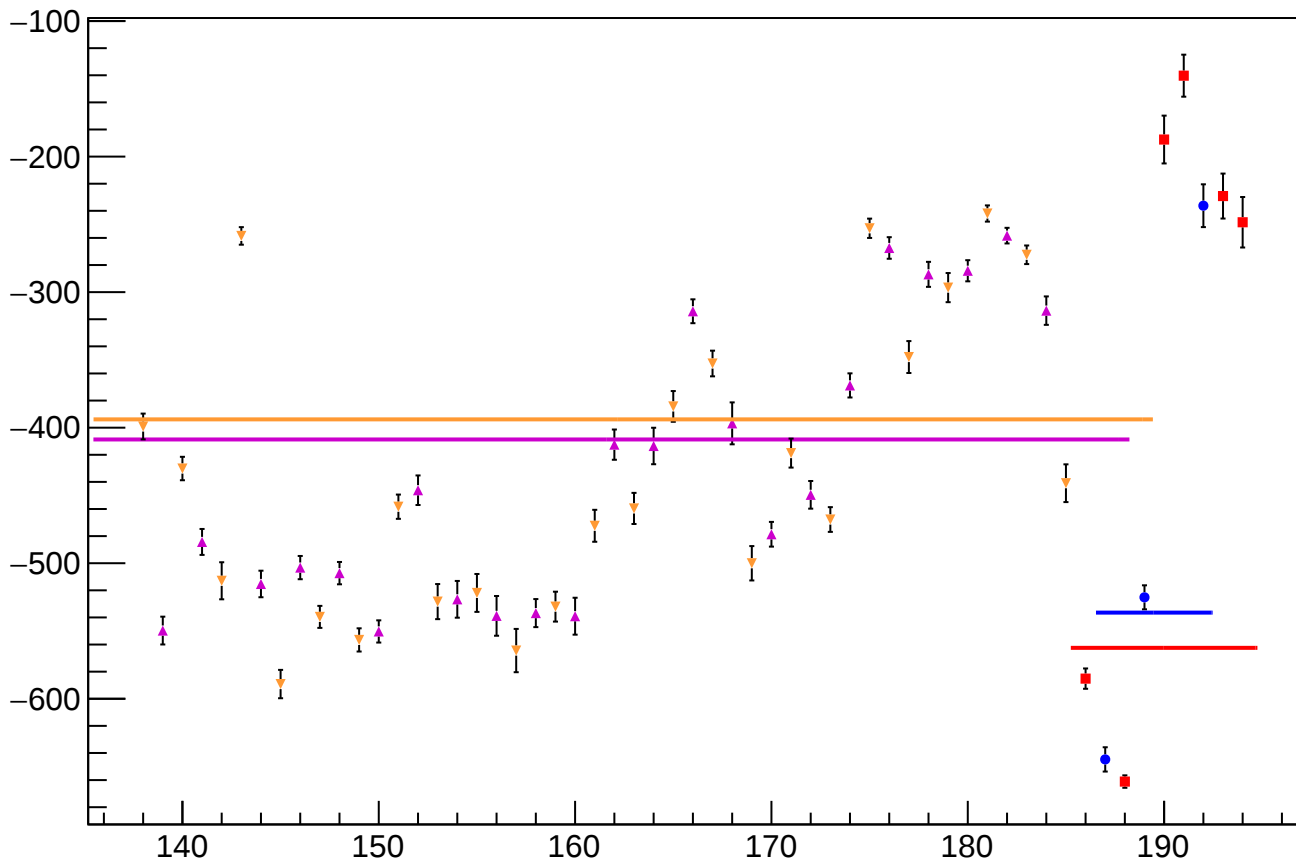
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 2.348 $\pm$ 0.014 χ^2 /NDF: 574829.6/44

All: 2.322 $\pm$ 0.010 χ^2 /NDF: 1331879.5/92

- sign 2.296 $\pm$ 0.014 χ^2 /NDF: 757043.2/47

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -536.437 ± 5.853 $\chi^2/\text{NDF}: 509.1/2$

Left Out: -393.871 ± 1.897 $\chi^2/\text{NDF}: 3772.8/24$

Right Out: -562.433 ± 3.556 $\chi^2/\text{NDF}: 2352.1/5$

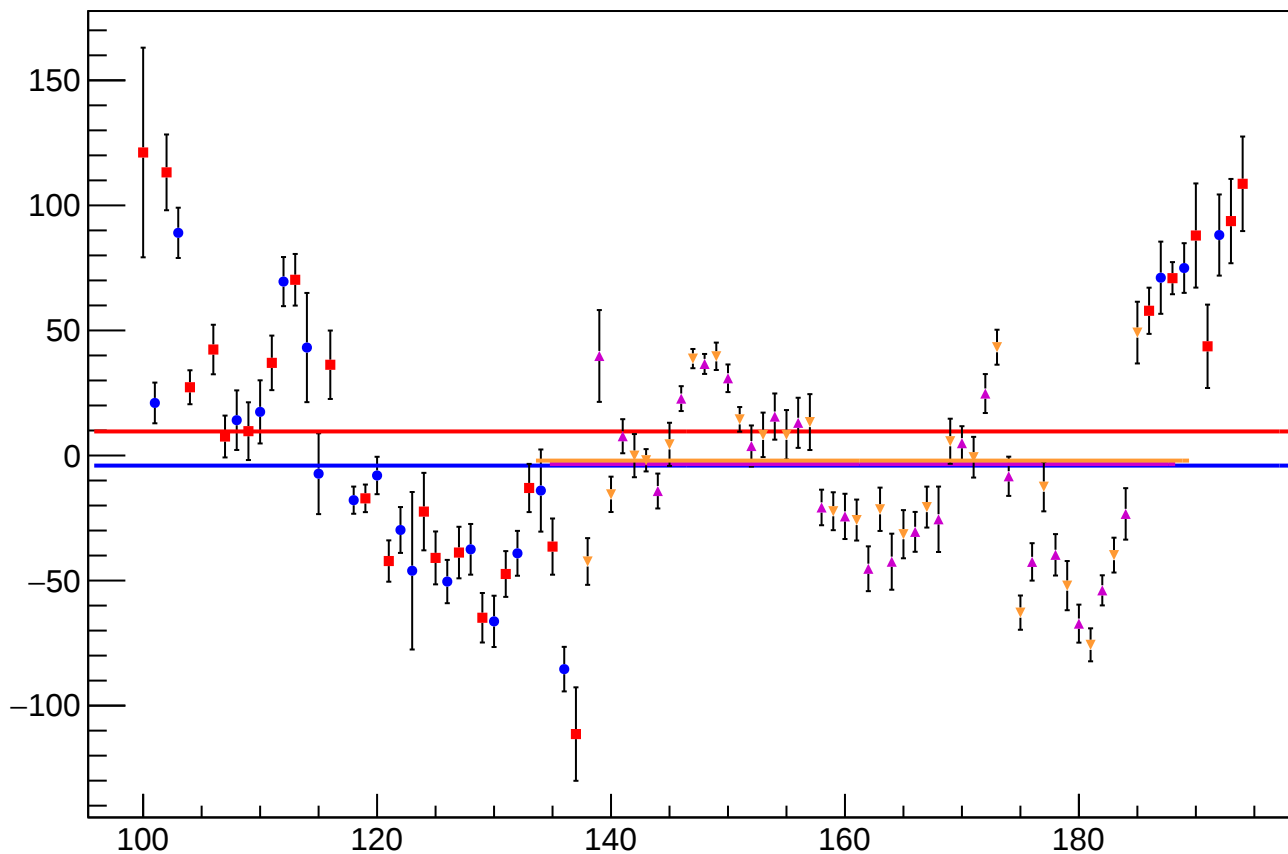
Left In: -408.696 ± 1.979 $\chi^2/\text{NDF}: 3062.9/22$

+ sign -407.422 ± 1.805 $\chi^2/\text{NDF}: 4818.7/27$

All: -427.036 ± 1.249 $\chi^2/\text{NDF}: 11887.2/56$

- sign -445.046 ± 1.729 $\chi^2/\text{NDF}: 6841.9/28$

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -4.036 ± 2.240 $\chi^2/\text{NDF}: 475.9/19$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 9.619 ± 2.026 $\chi^2/\text{NDF}: 577.0/24$

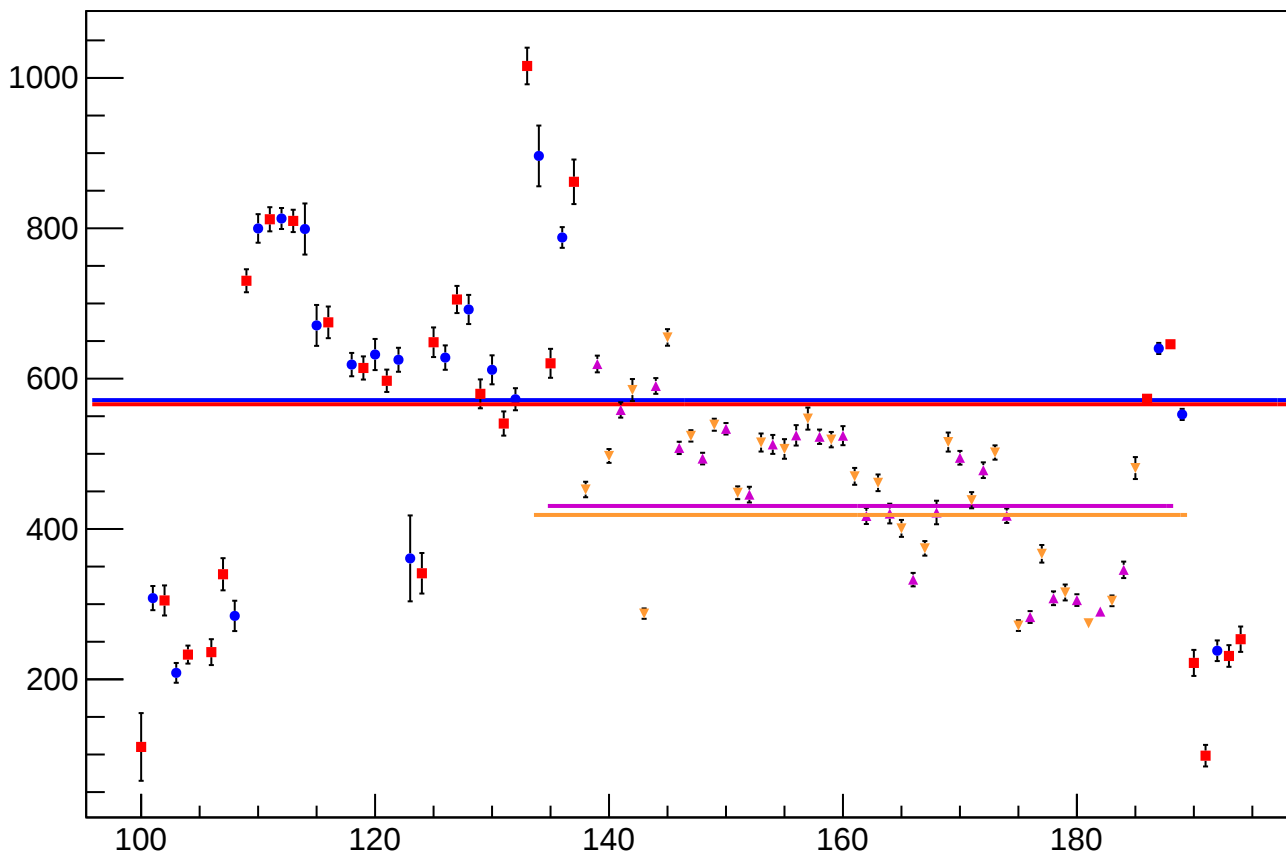
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign -2.613 ± 1.202 $\chi^2/\text{NDF}: 1040.3/44$

All: -0.690 ± 0.855 $\chi^2/\text{NDF}: 2099.9/92$

- sign 1.278 ± 1.216 $\chi^2/\text{NDF}: 1054.5/47$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 571.447 ± 3.251 $\chi^2/\text{NDF}: 2824.3/19$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 565.907 ± 2.383 $\chi^2/\text{NDF}: 5590.5/24$

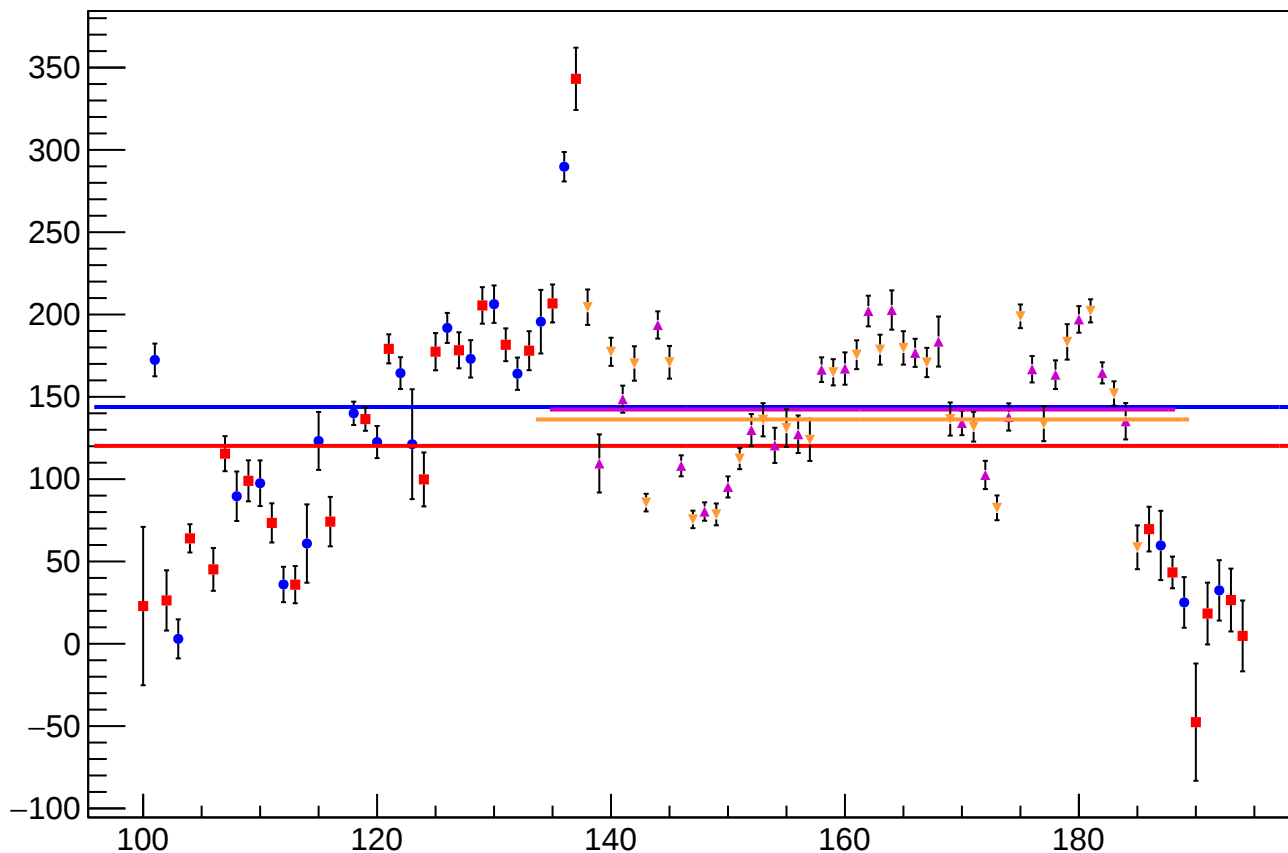
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 457.722 ± 1.644 $\chi^2/\text{NDF}: 7764.5/44$

All: 472.751 ± 1.115 $\chi^2/\text{NDF}: 18274.2/92$

- sign 485.583 ± 1.519 $\chi^2/\text{NDF}: 10354.7/47$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 143.818 $\pm$ 2.625 χ^2 /NDF: 752.3/19

Left Out: 136.258 $\pm$ 1.651 χ^2 /NDF: 758.3/24

Right Out: 120.215 $\pm$ 2.422 χ^2 /NDF: 793.2/24

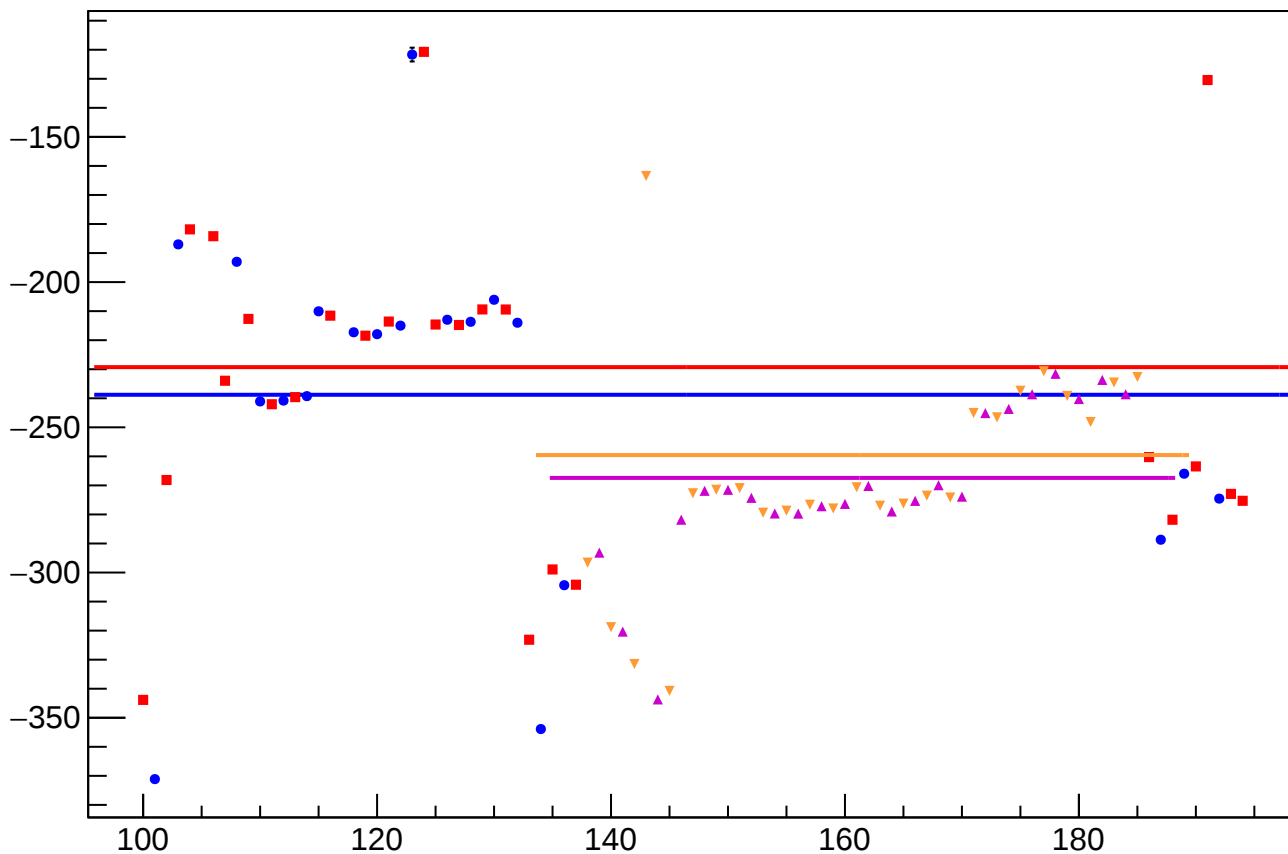
Left In: 142.296 $\pm$ 1.745 χ^2 /NDF: 459.8/22

+ sign 138.401 $\pm$ 1.398 χ^2 /NDF: 1516.6/44

All: 136.601 $\pm$ 0.995 χ^2 /NDF: 2827.6/92

- sign 134.754 $\pm$ 1.416 χ^2 /NDF: 1307.7/47

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -238.791+/-0.141 χ^2/NDF : 152743.1/19

Left Out: -259.557+/-0.079 χ^2/NDF : 238235.2/24

Right Out: -229.281+/-0.124 χ^2/NDF : 159756.8/24

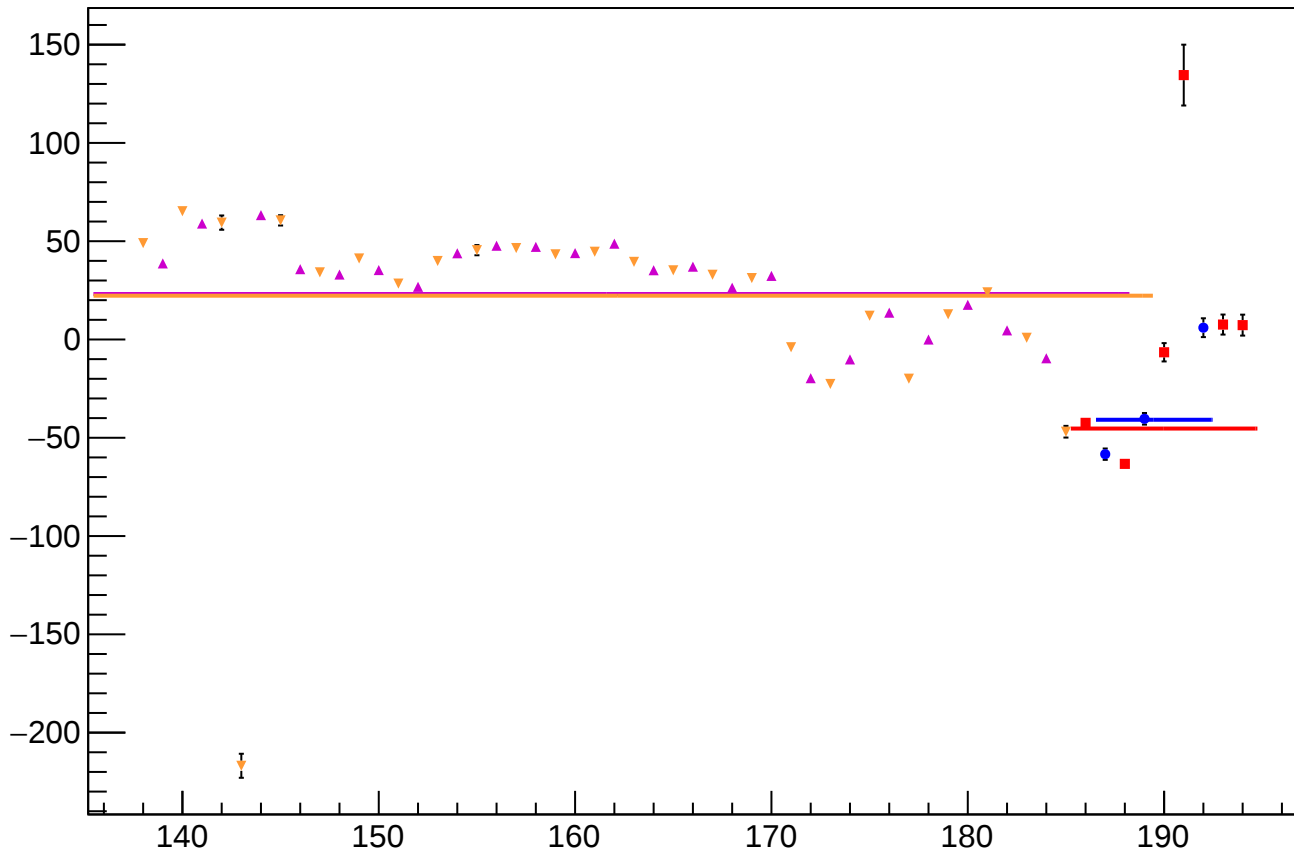
Left In: -267.417+/-0.082 χ^2/NDF : 98035.5/22

+ sign -254.577+/-0.069 χ^2/NDF : 407509.7/44

All: -255.246+/-0.049 χ^2/NDF : 731324.0/92

- sign -255.902+/-0.068 χ^2/NDF : 323627.9/47

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -40.839 ± 1.897 $\chi^2/\text{NDF}: 132.4/2$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -45.313 ± 1.077 $\chi^2/\text{NDF}: 545.0/5$

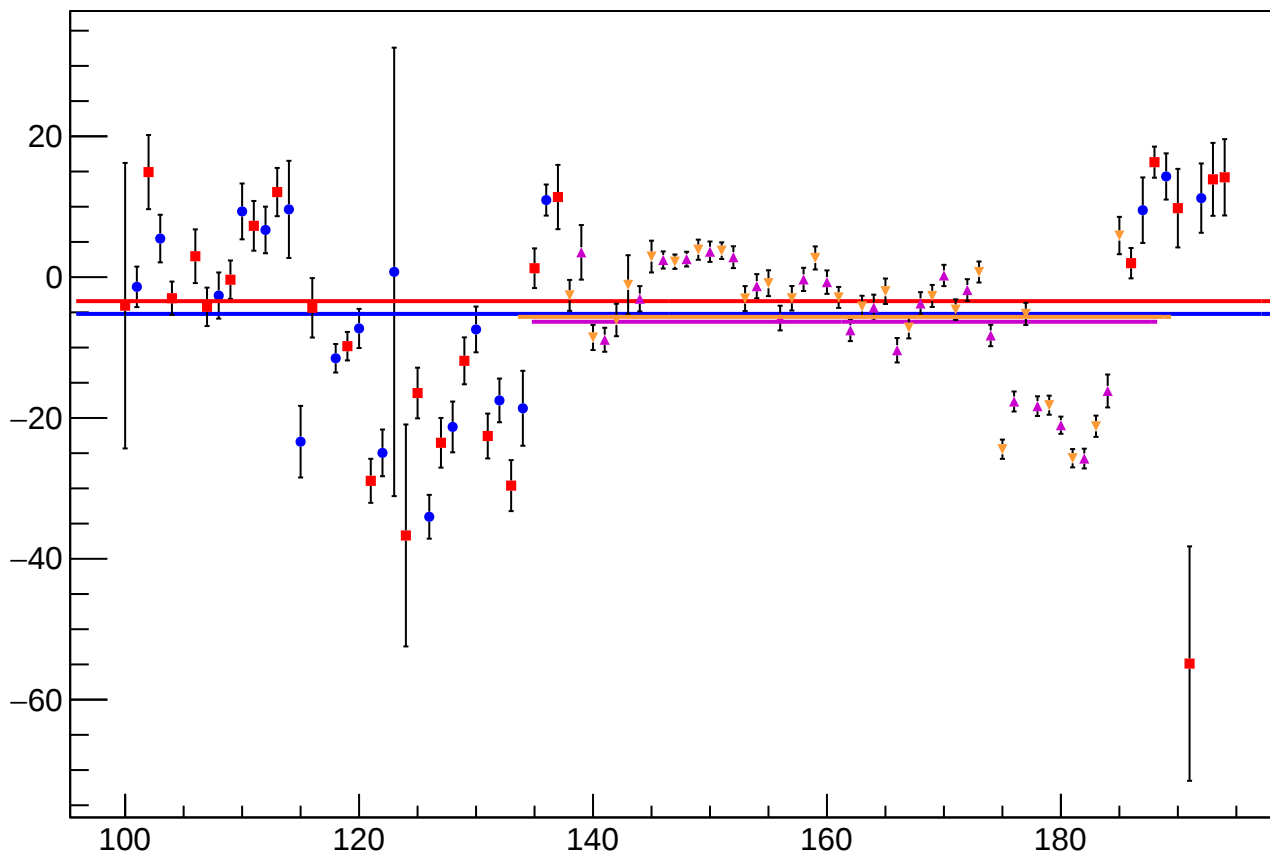
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 19.608 ± 0.390 $\chi^2/\text{NDF}: 6363.8/27$

All: 17.106 ± 0.271 $\chi^2/\text{NDF}: 13281.4/56$

- sign 14.781 ± 0.376 $\chi^2/\text{NDF}: 6838.3/28$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.220 ± 0.749 χ^2/NDF : 340.3/19

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -3.408 ± 0.667 χ^2/NDF : 403.9/24

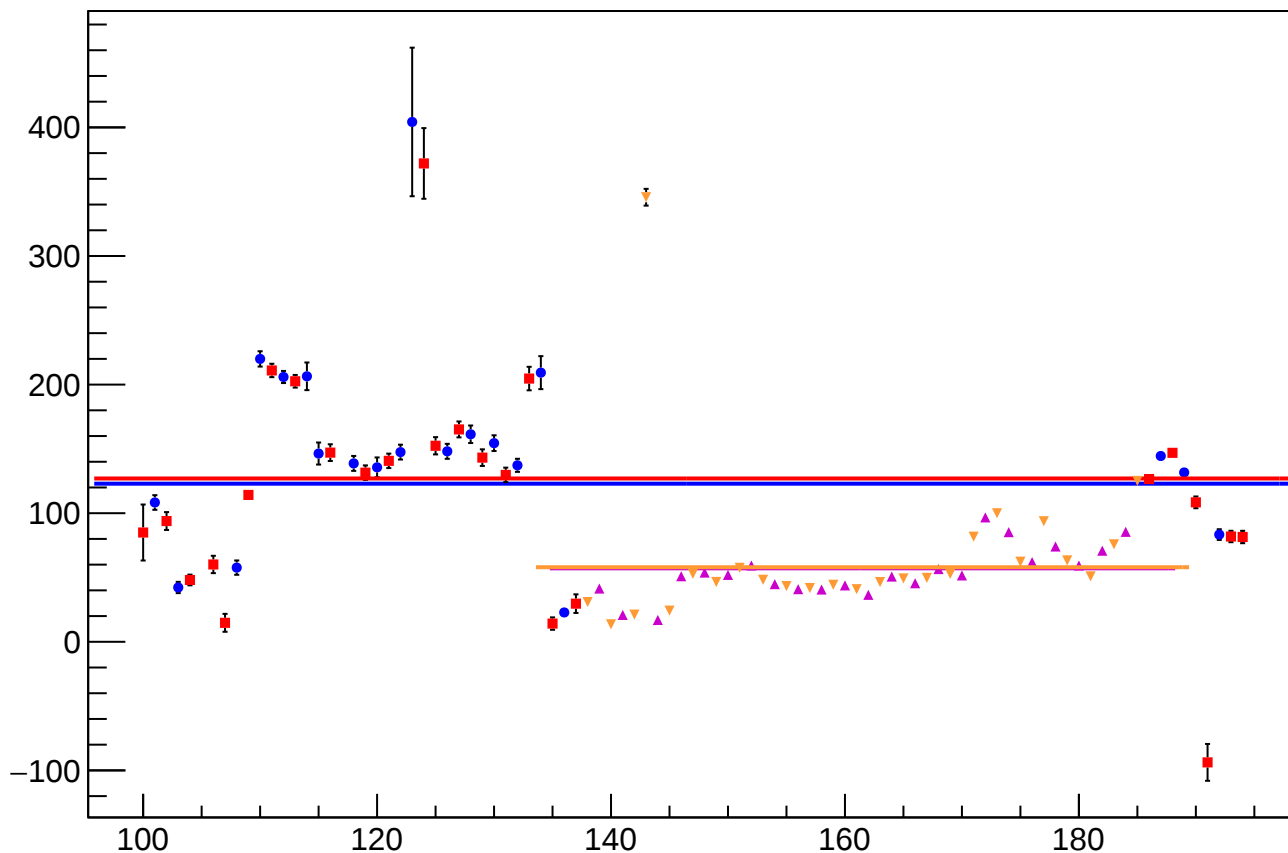
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -5.579 ± 0.291 χ^2/NDF : 1234.3/44

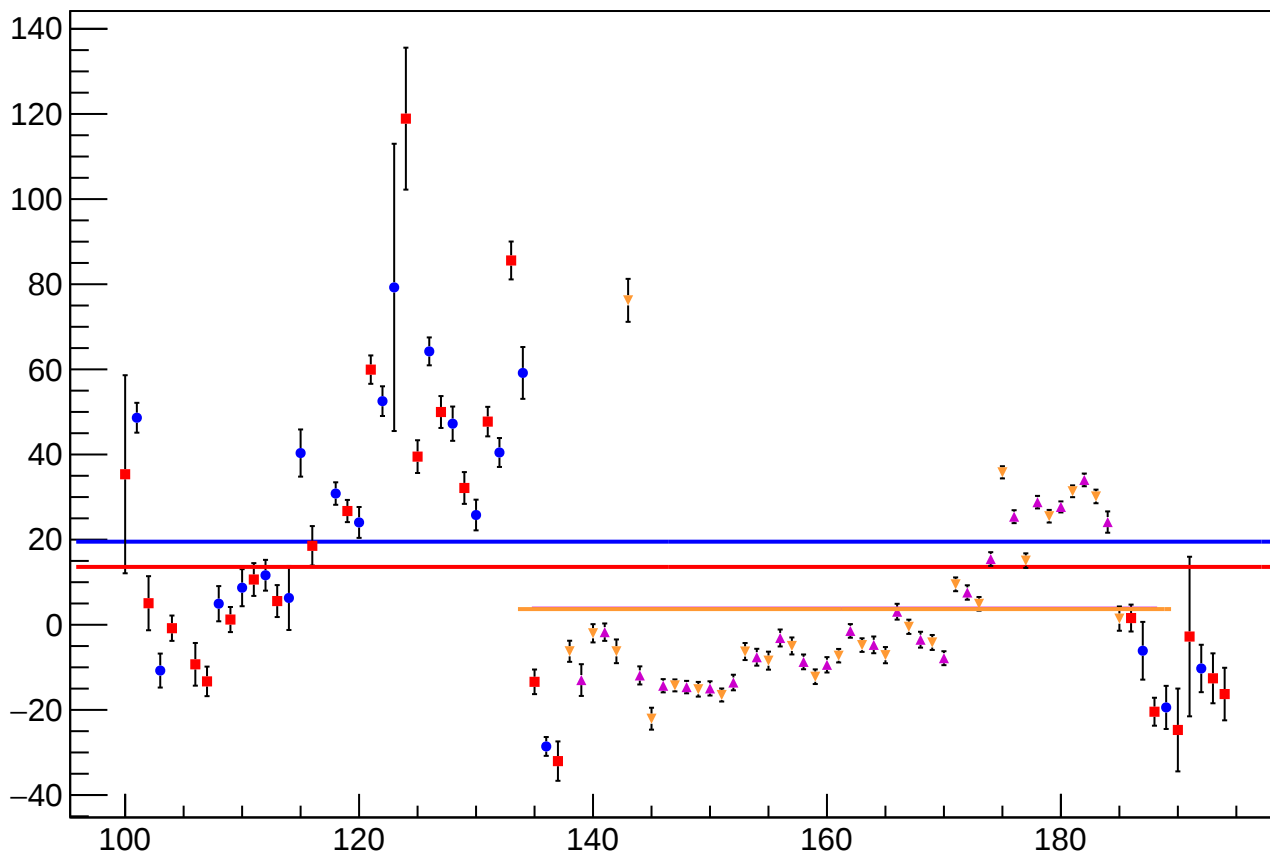
All: -5.682 ± 0.205 χ^2/NDF : 2437.2/92

- sign -5.785 ± 0.289 χ^2/NDF : 1202.6/47

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.520 $\pm$ 0.868 χ^2 /NDF: 1170.7/19

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF: 2541.7/24

Right Out: 13.591 $\pm$ 0.797 χ^2 /NDF: 1278.2/24

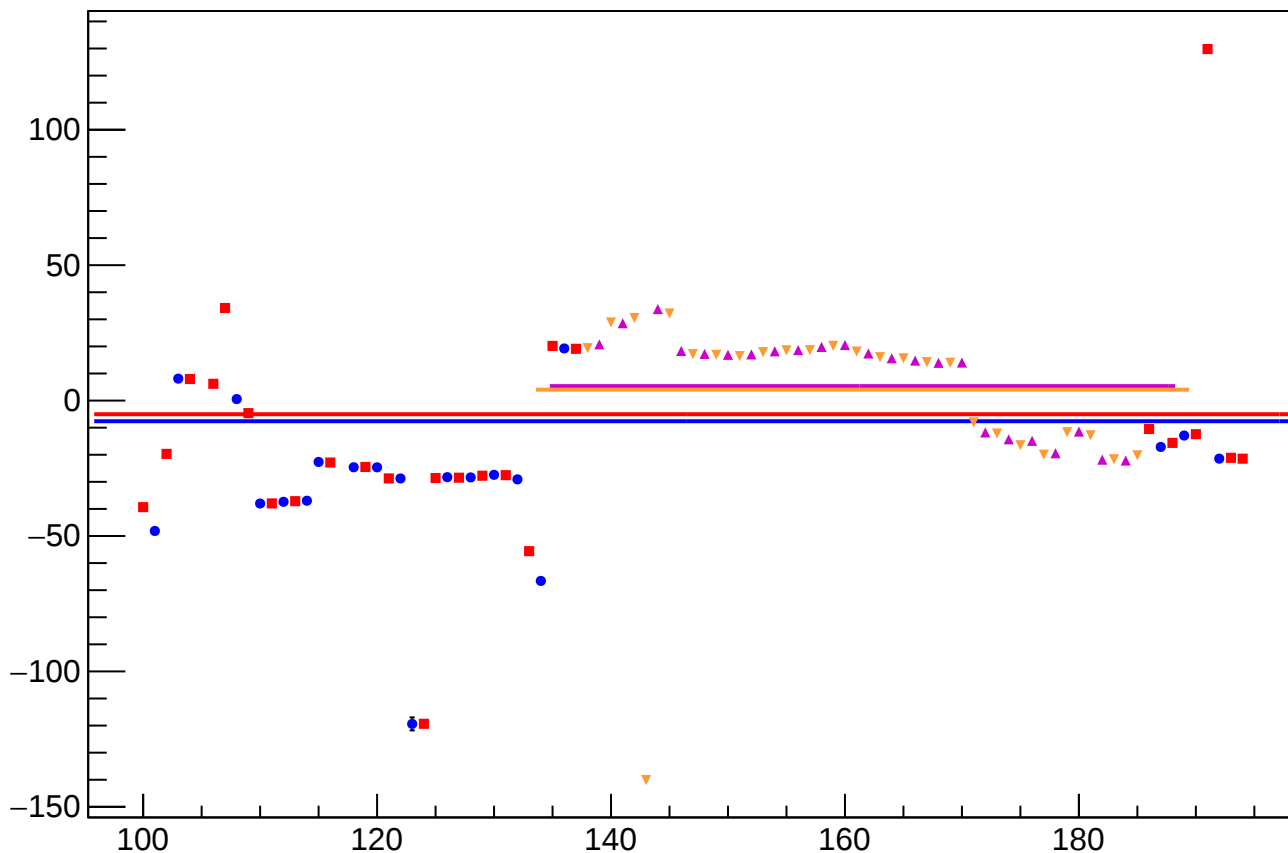
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 5.972 $\pm$ 0.330 χ^2 /NDF: 3997.0/44

All: 5.716 $\pm$ 0.233 χ^2 /NDF: 7600.8/92

- sign 5.462 $\pm$ 0.329 χ^2 /NDF: 3602.6/47

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -7.620 ± 0.044 χ^2/NDF : 272208.9/19

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -5.034 ± 0.040 χ^2/NDF : 357740.5/24

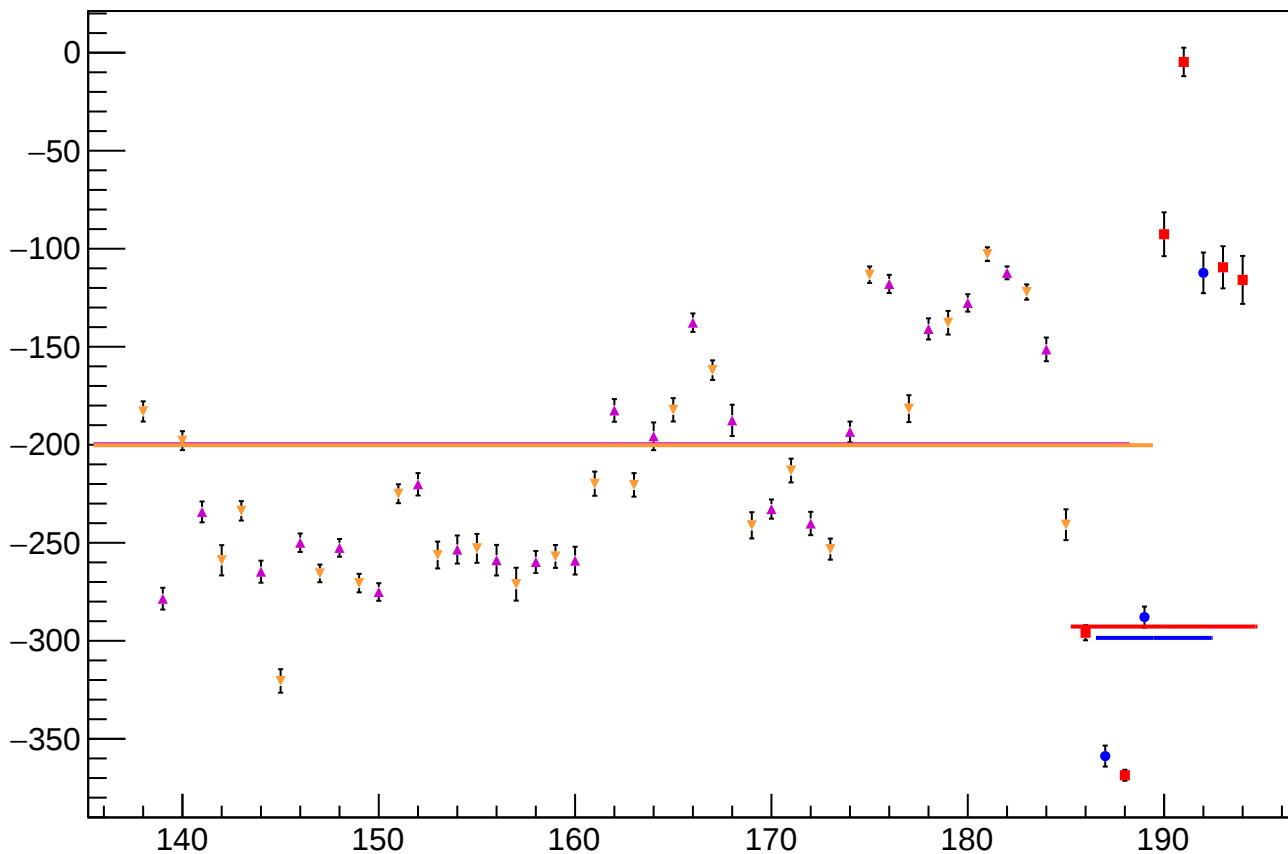
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 2.594 ± 0.015 χ^2/NDF : 1717625.4/44

All: 3.236 ± 0.011 χ^2/NDF : 3212988.6/92

- sign 3.870 ± 0.015 χ^2/NDF : 1491870.3/47

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -298.506 ± 3.556 $\chi^2/\text{NDF}: 453.0/2$

Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$

Right Out: -292.731 ± 2.059 $\chi^2/\text{NDF}: 3114.1/5$

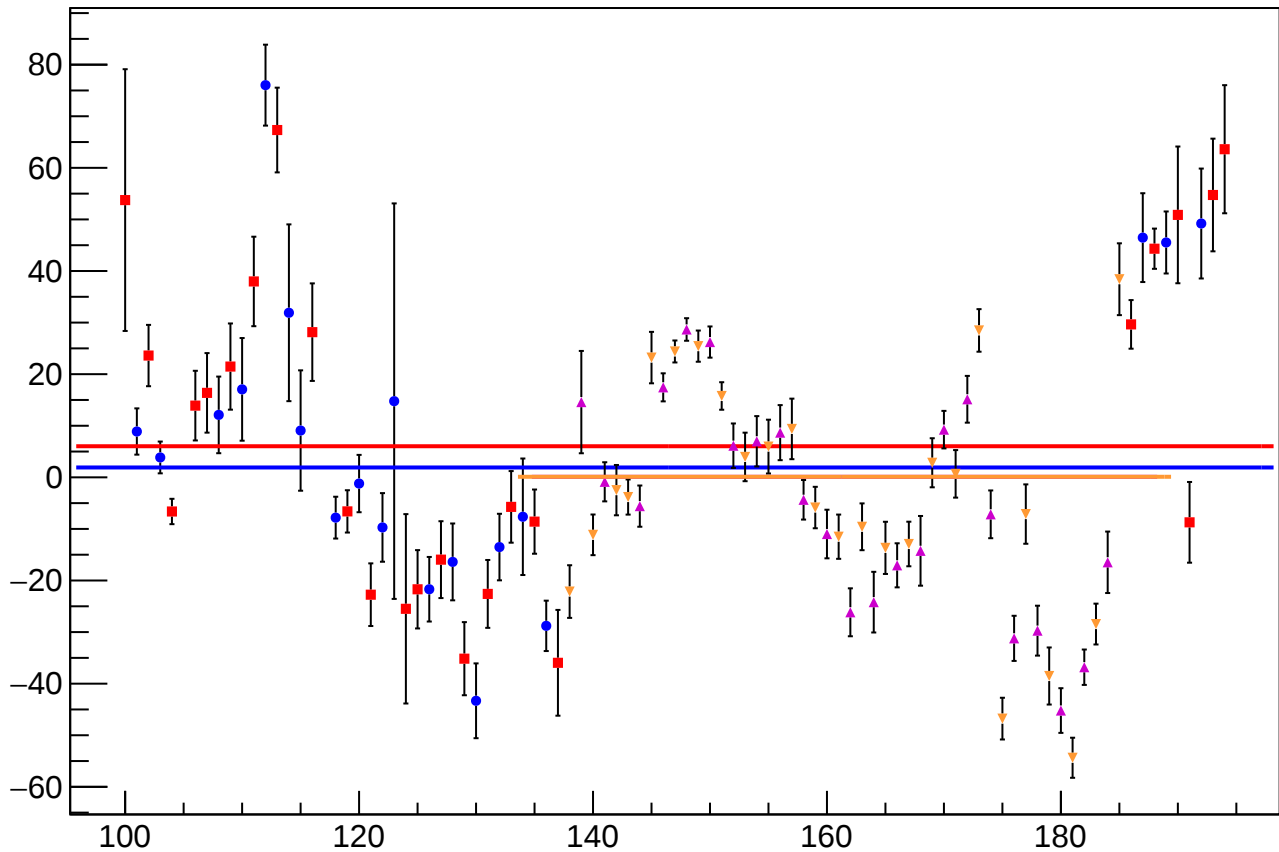
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -208.498 ± 1.032 $\chi^2/\text{NDF}: 4377.6/27$

All: -214.779 ± 0.706 $\chi^2/\text{NDF}: 12118.3/56$

- sign -220.315 ± 0.968 $\chi^2/\text{NDF}: 7670.9/28$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 1.912 ± 1.396 χ^2/NDF : 313.3/19

Left Out: 0.109 ± 0.807 χ^2/NDF : 831.2/24

Right Out: 6.028 ± 1.231 χ^2/NDF : 432.9/24

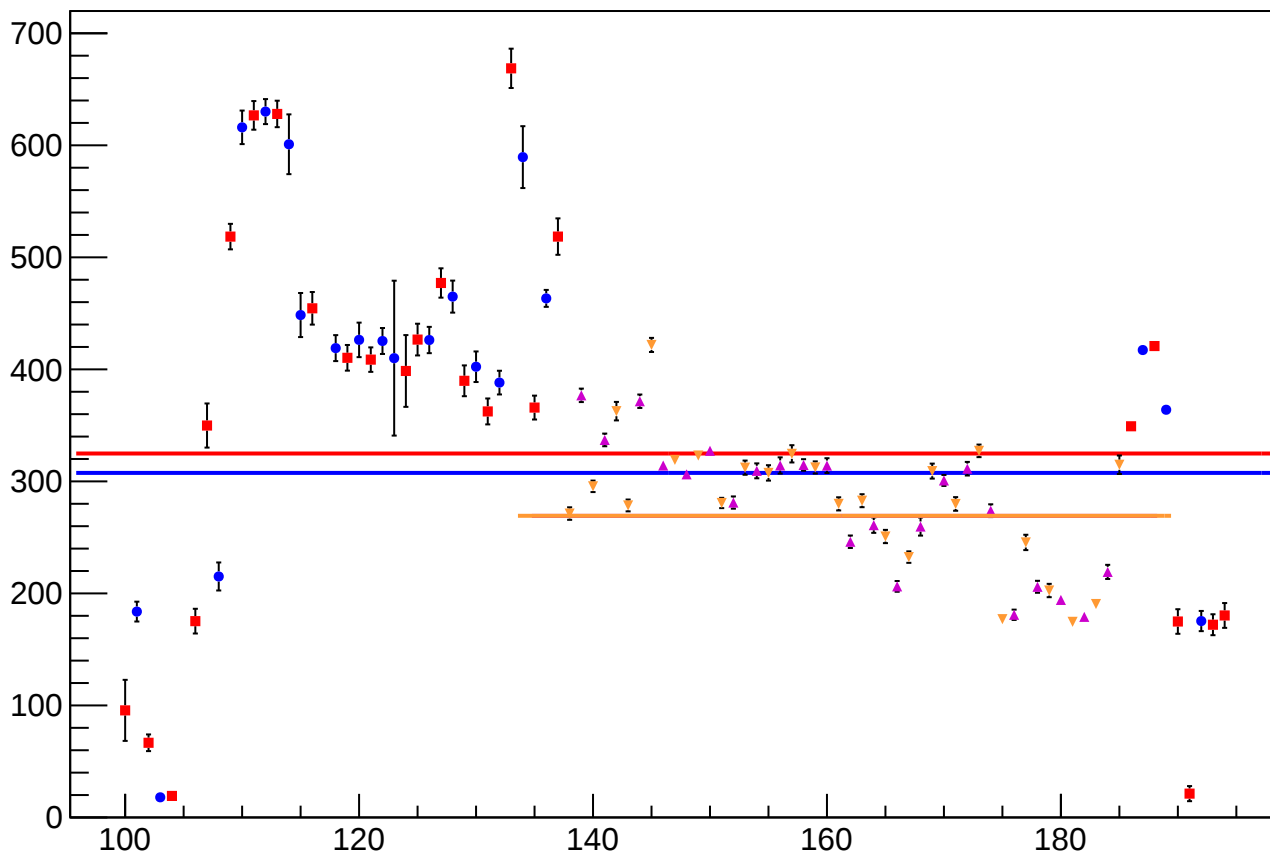
Left In: 0.097 ± 0.838 χ^2/NDF : 715.5/22

+ sign 0.561 ± 0.699 χ^2/NDF : 1145.7/44

All: 1.274 ± 0.492 χ^2/NDF : 2312.0/92

- sign 1.975 ± 0.693 χ^2/NDF : 1164.2/47

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 307.568 $\pm$ 1.905 χ^2 /NDF: 8904.9/19

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 324.888 $\pm$ 1.391 χ^2 /NDF: 13388.7/24

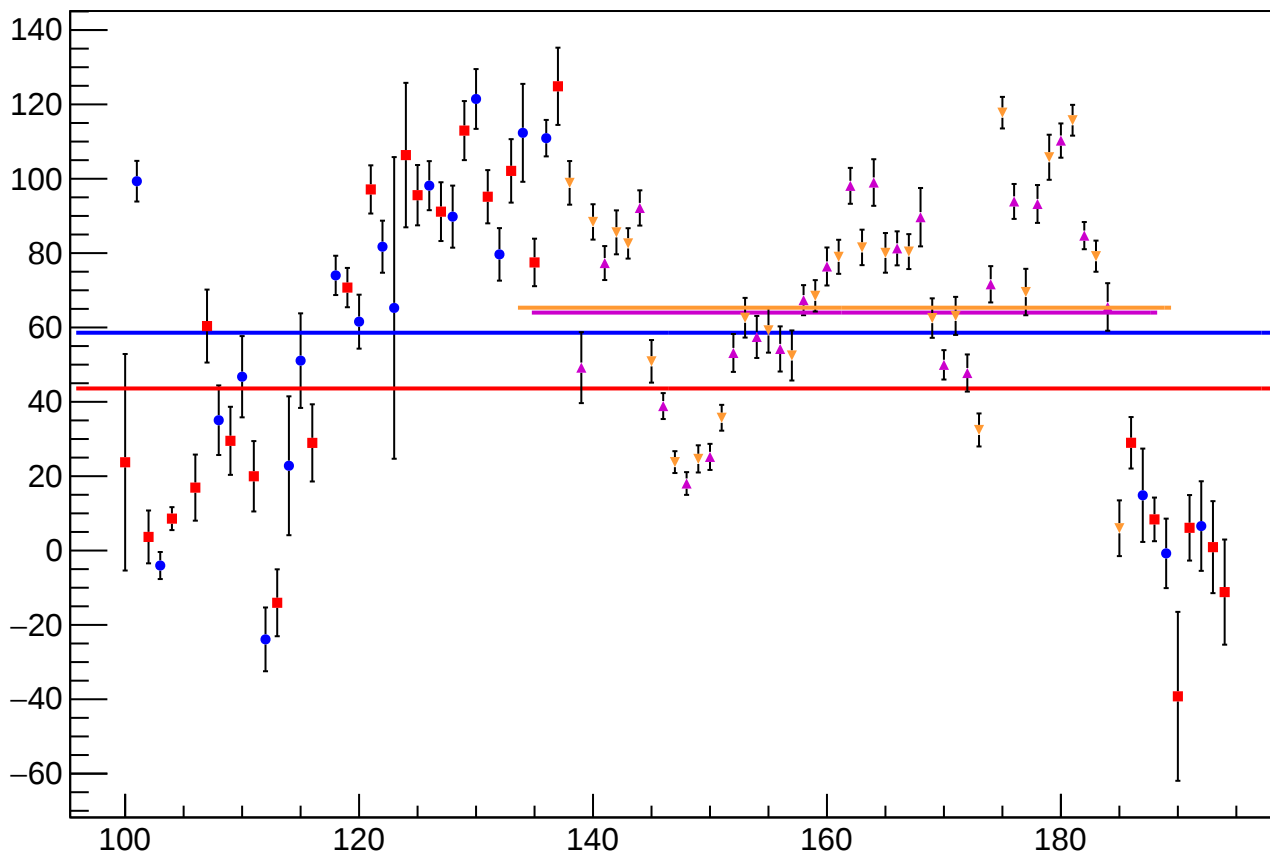
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 278.561 $\pm$ 0.938 χ^2 /NDF: 12357.7/44

All: 285.006 $\pm$ 0.633 χ^2 /NDF: 29996.6/92

- sign 290.401 $\pm$ 0.858 χ^2 /NDF: 17552.1/47

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 58.586 $\pm$ 1.639 χ^2 /NDF: 797.0/19

Left Out: 65.323 $\pm$ 0.935 χ^2 /NDF:1007.1/24

Right Out: 43.594 $\pm$ 1.497 χ^2 /NDF: 769.7/24

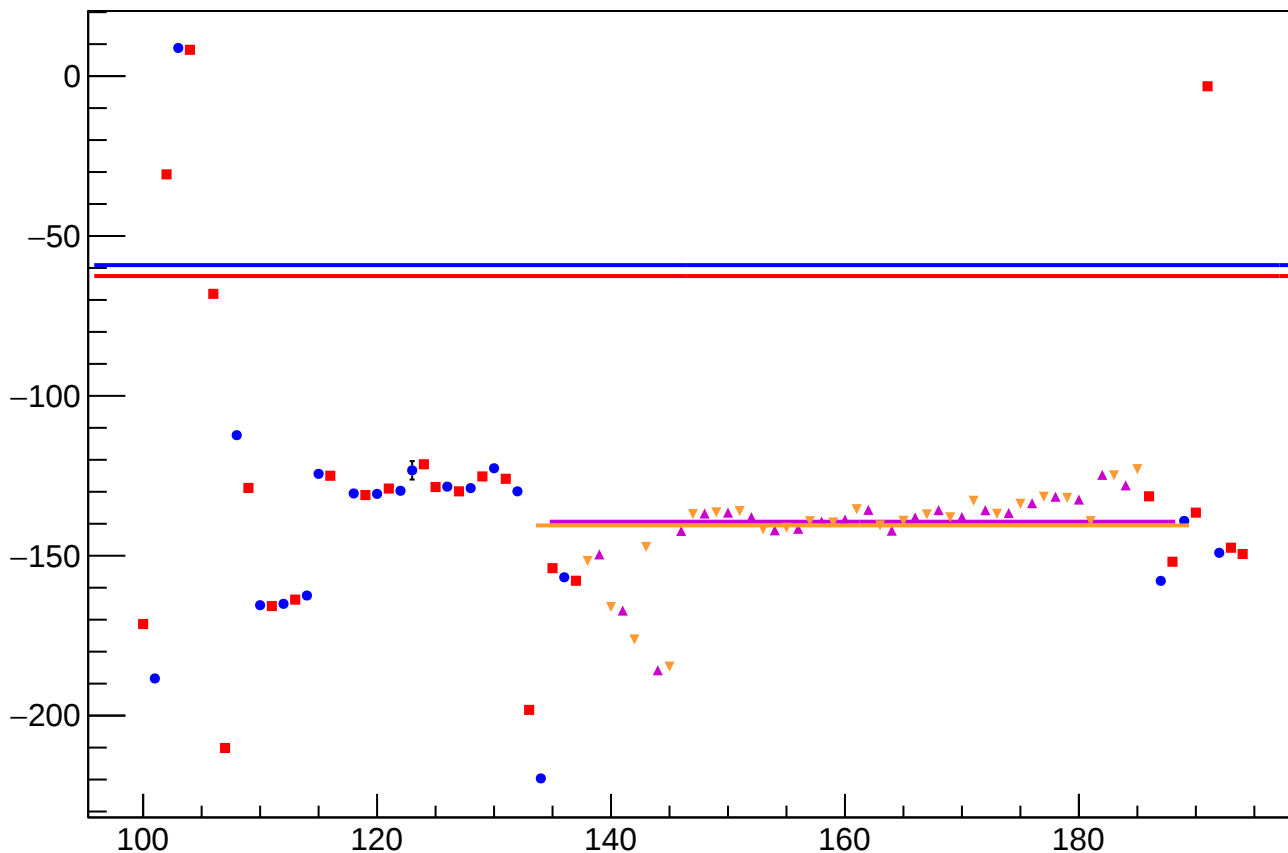
Left In: 63.999 $\pm$ 0.963 χ^2 /NDF:799.5/22

+ sign 63.670 $\pm$ 0.812 χ^2 /NDF: 1816.8/44

All: 60.842 $\pm$ 0.573 χ^2 /NDF: 3541.6/92

- sign 58.028 $\pm$ 0.810 χ^2 /NDF: 1700.6/47

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -59.113 ± 0.068 $\chi^2/\text{NDF}: 1336604.7/19$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -62.535 ± 0.065 $\chi^2/\text{NDF}: 1240604.3/24$

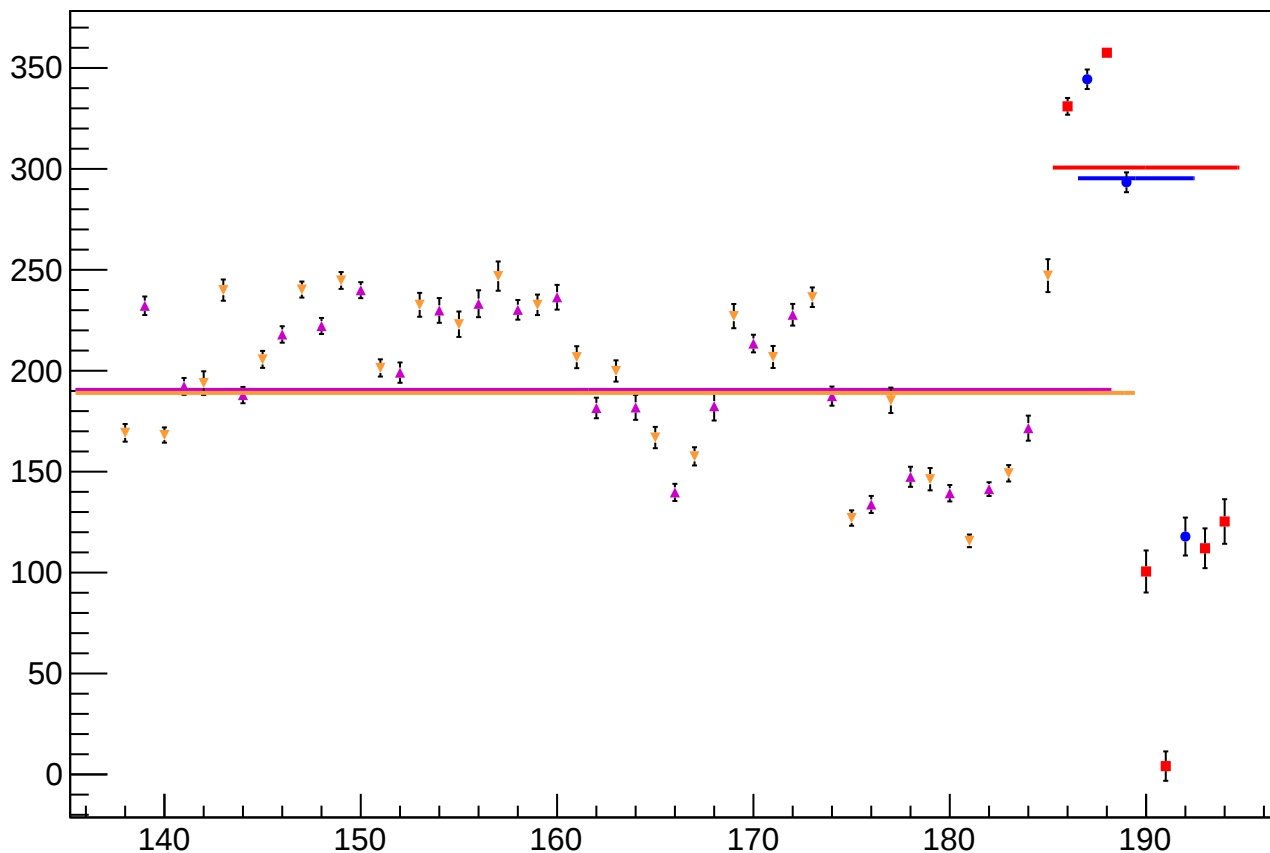
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -116.159 ± 0.037 $\chi^2/\text{NDF}: 2413099.3/44$

All: -115.223 ± 0.026 $\chi^2/\text{NDF}: 4667533.8/92$

- sign -114.305 ± 0.037 $\chi^2/\text{NDF}: 2253187.0/47$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 295.359 $\pm$ 3.237 χ^2 /NDF: 459.9/2

Left Out: 189.030 $\pm$ 0.956 χ^2 /NDF:1980.9/24

Right Out: 300.669 $\pm$ 1.947 χ^2 /NDF: 3216.2/5

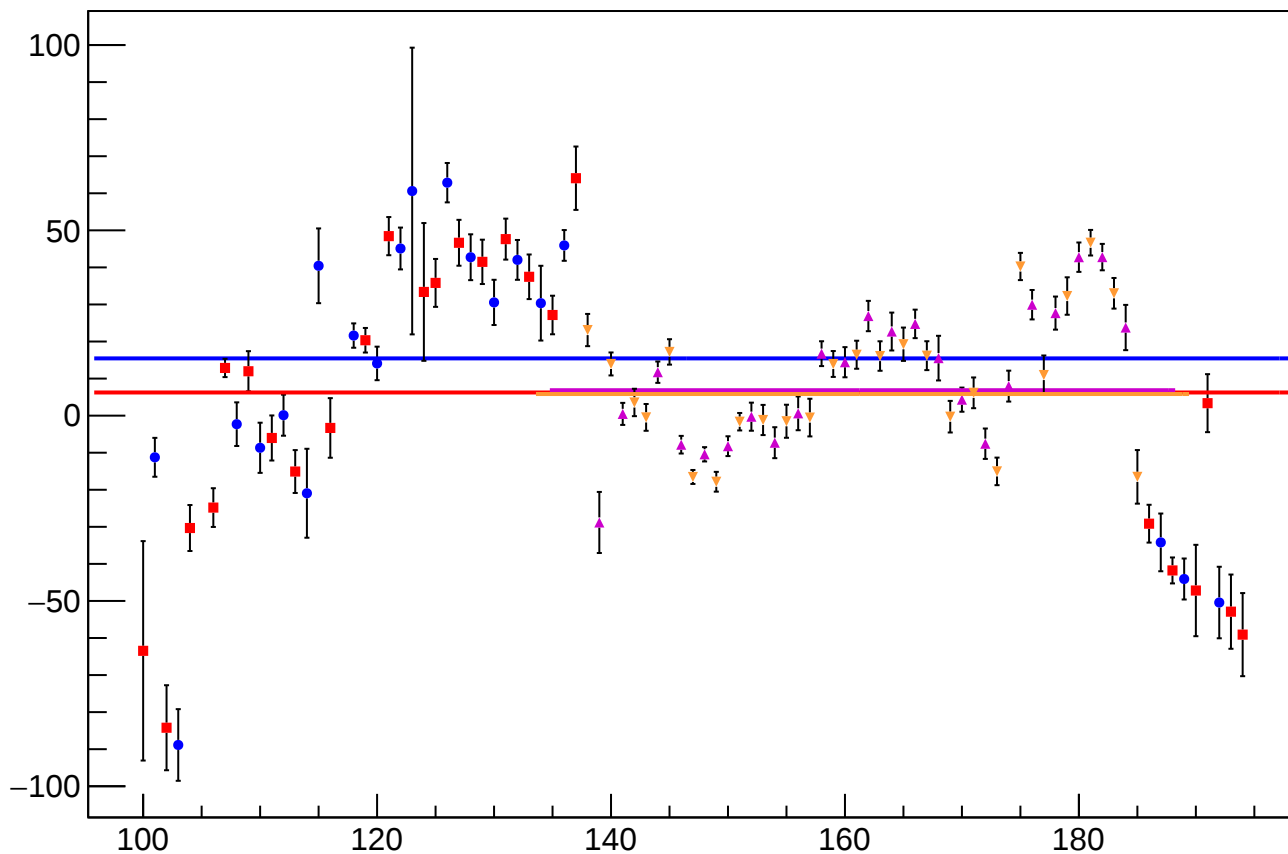
Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

+ sign 197.557 $\pm$ 0.917 χ^2 /NDF: 3433.2/27

All: 205.455 $\pm$ 0.632 χ^2 /NDF: 10763.1/56

- sign 212.598 $\pm$ 0.872 χ^2 /NDF: 7188.6/28

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 15.448 $\pm$ 1.323 χ^2 /NDF: 608.6/19

Left Out: 5.834 $\pm$ 0.712 χ^2 /NDF: 652.2/24

Right Out: 6.250 $\pm$ 1.102 χ^2 /NDF: 819.5/24

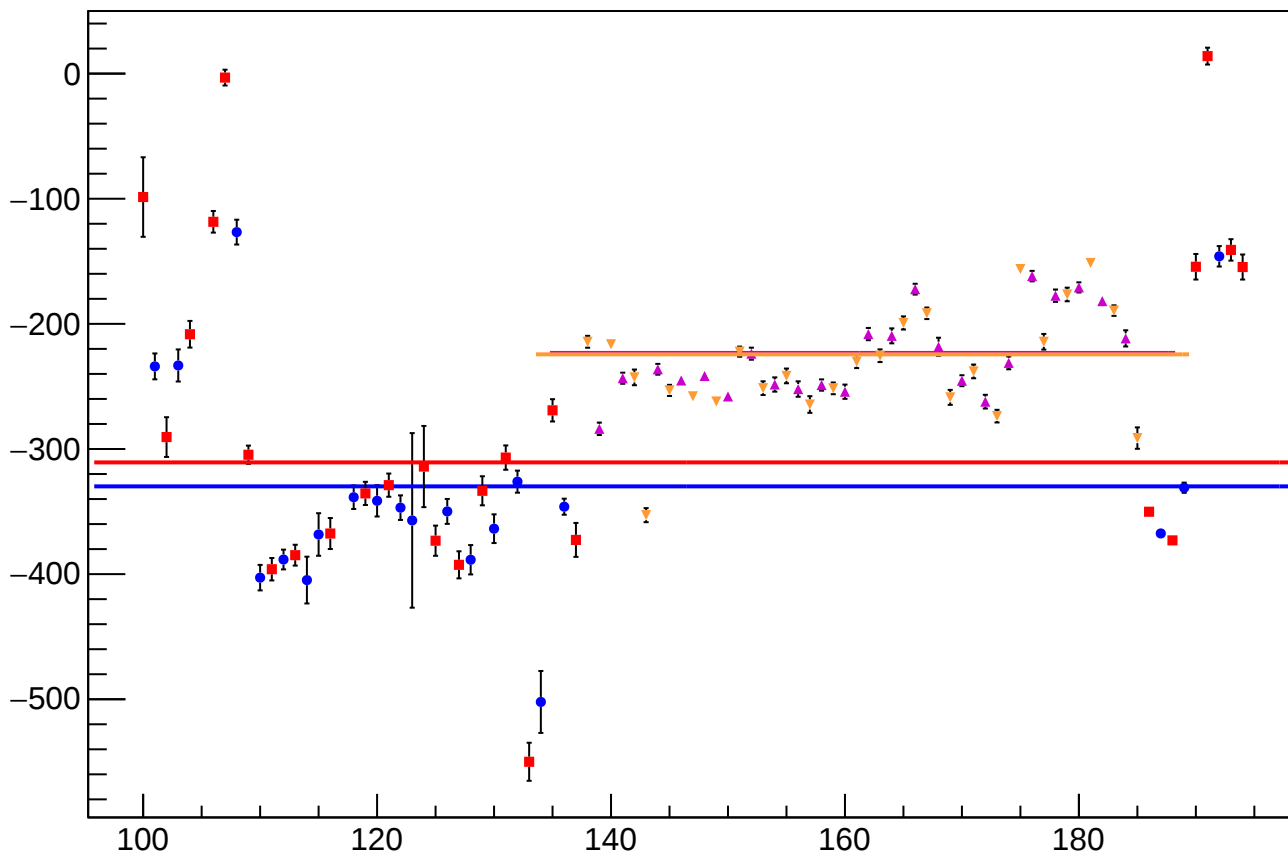
Left In: 6.862 $\pm$ 0.736 χ^2 /NDF: 522.7/22

+ sign 7.996 $\pm$ 0.627 χ^2 /NDF: 1301.8/44

All: 7.318 $\pm$ 0.438 χ^2 /NDF: 2646.6/92

- sign 6.673 $\pm$ 0.612 χ^2 /NDF: 1342.5/47

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -329.869 ± 1.863 χ^2/NDF : 1382.8/19

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -310.709 ± 1.315 χ^2/NDF : 7877.5/24

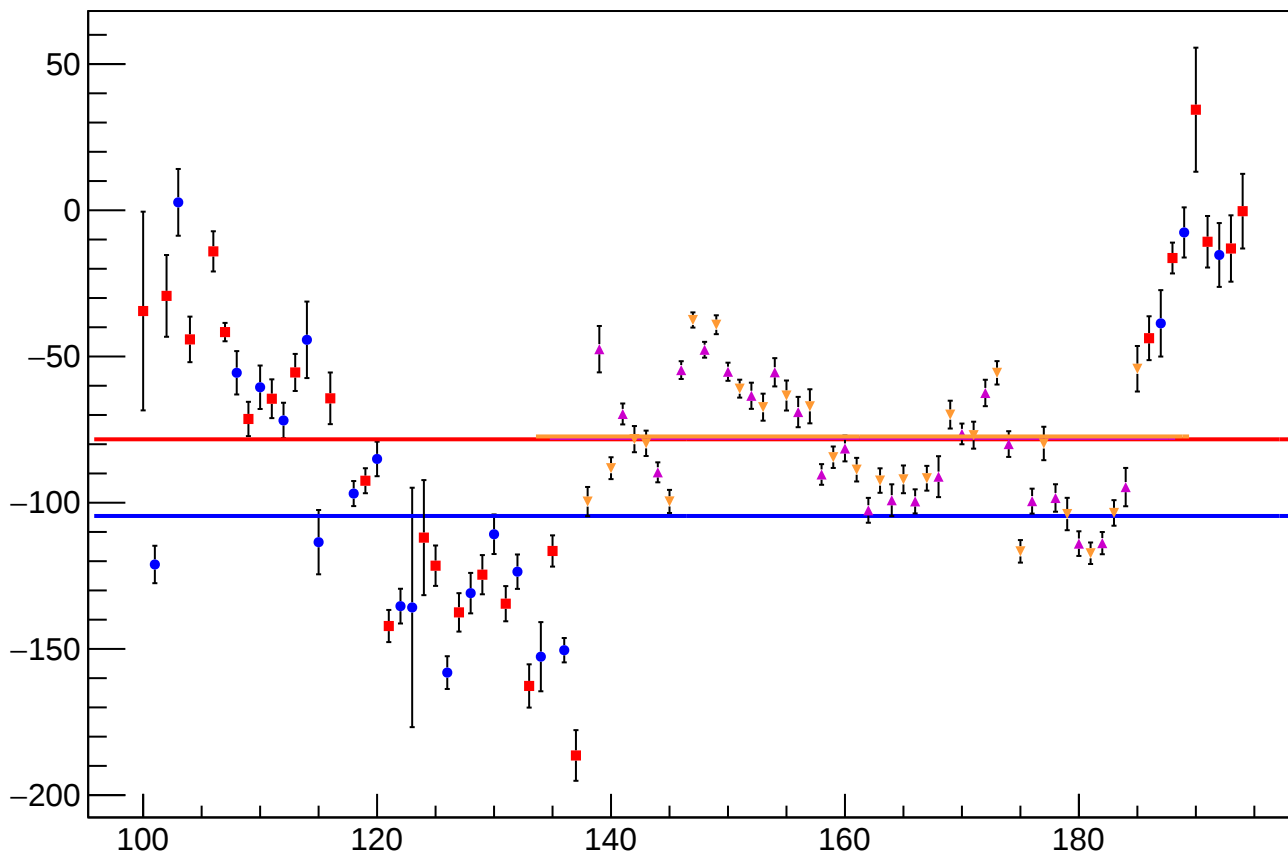
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -246.359 ± 0.851 χ^2/NDF : 6025.0/44

All: -250.512 ± 0.575 χ^2/NDF : 18082.9/92

- sign -254.007 ± 0.780 χ^2/NDF : 12014.0/47

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -104.536 ± 1.543 χ^2/NDF : 750.0/19

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -78.321 ± 1.326 χ^2/NDF : 1336.2/24

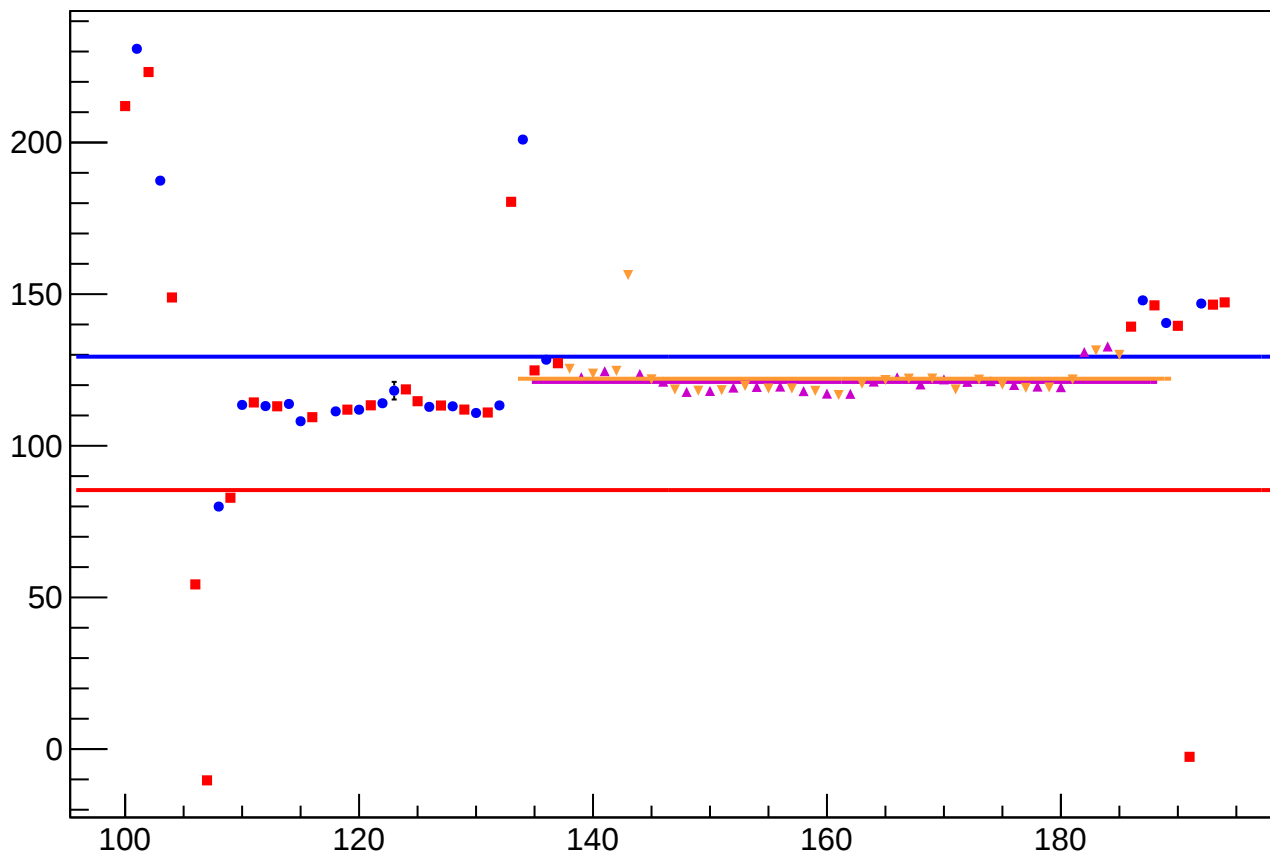
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -83.407 ± 0.729 χ^2/NDF : 1837.5/44

All: -80.641 ± 0.510 χ^2/NDF : 3824.8/92

- sign -77.978 ± 0.715 χ^2/NDF : 1959.0/47

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 129.383 $\pm$ 0.084 χ^2 /NDF: 192326.7/19

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24

Right Out: 85.396 $\pm$ 0.066 χ^2 /NDF: 1019611.1/24

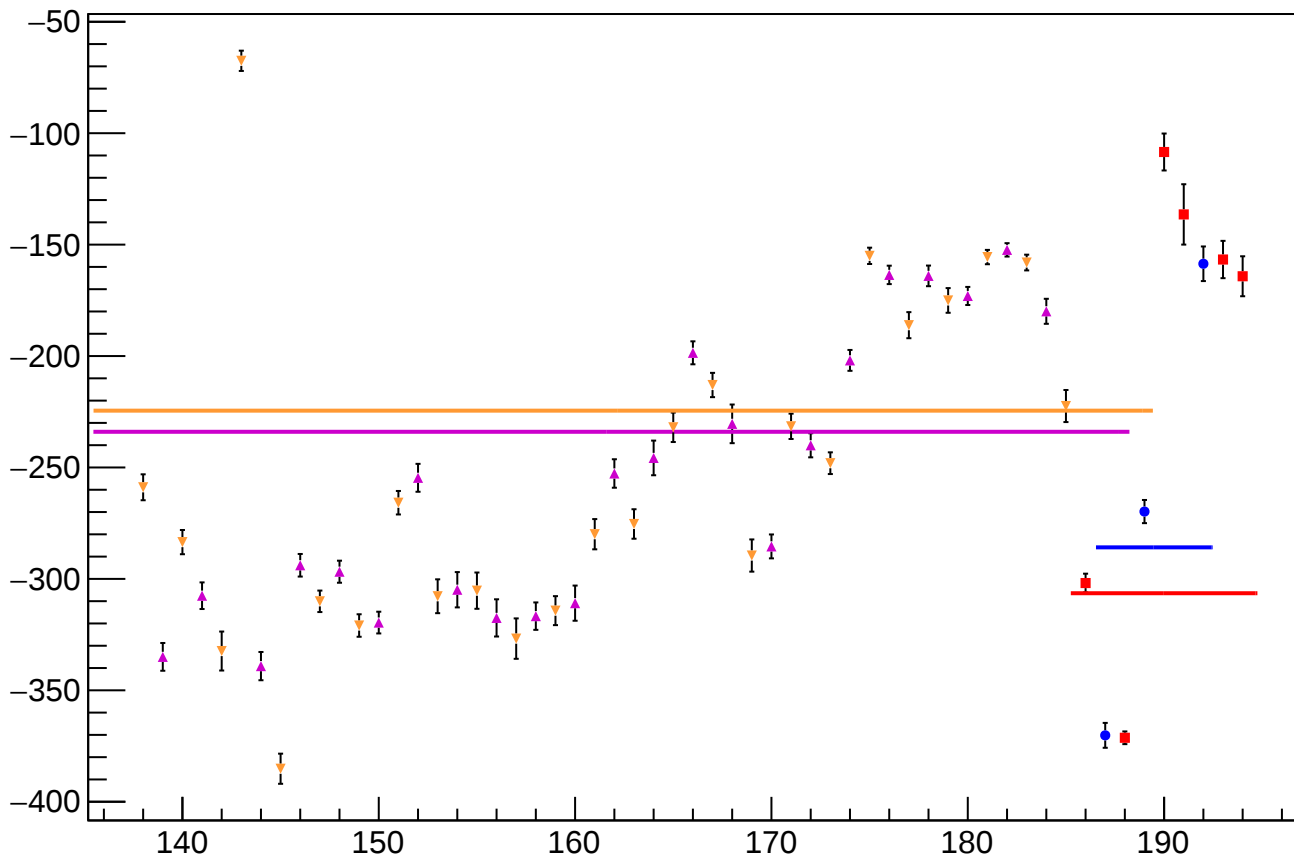
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 123.424 $\pm$ 0.036 χ^2 /NDF: 228908.9/44

All: 117.277 $\pm$ 0.025 χ^2 /NDF: 1525230.7/92

- sign 111.665 $\pm$ 0.034 χ^2 /NDF: 1239600.9/47

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -285.850+/-3.416 χ^2/NDF : 506.4/2

Left Out: -224.501+/-1.079 χ^2/NDF : 4870.6/24

Right Out: -306.433+/-2.102 χ^2/NDF : 1818.2/5

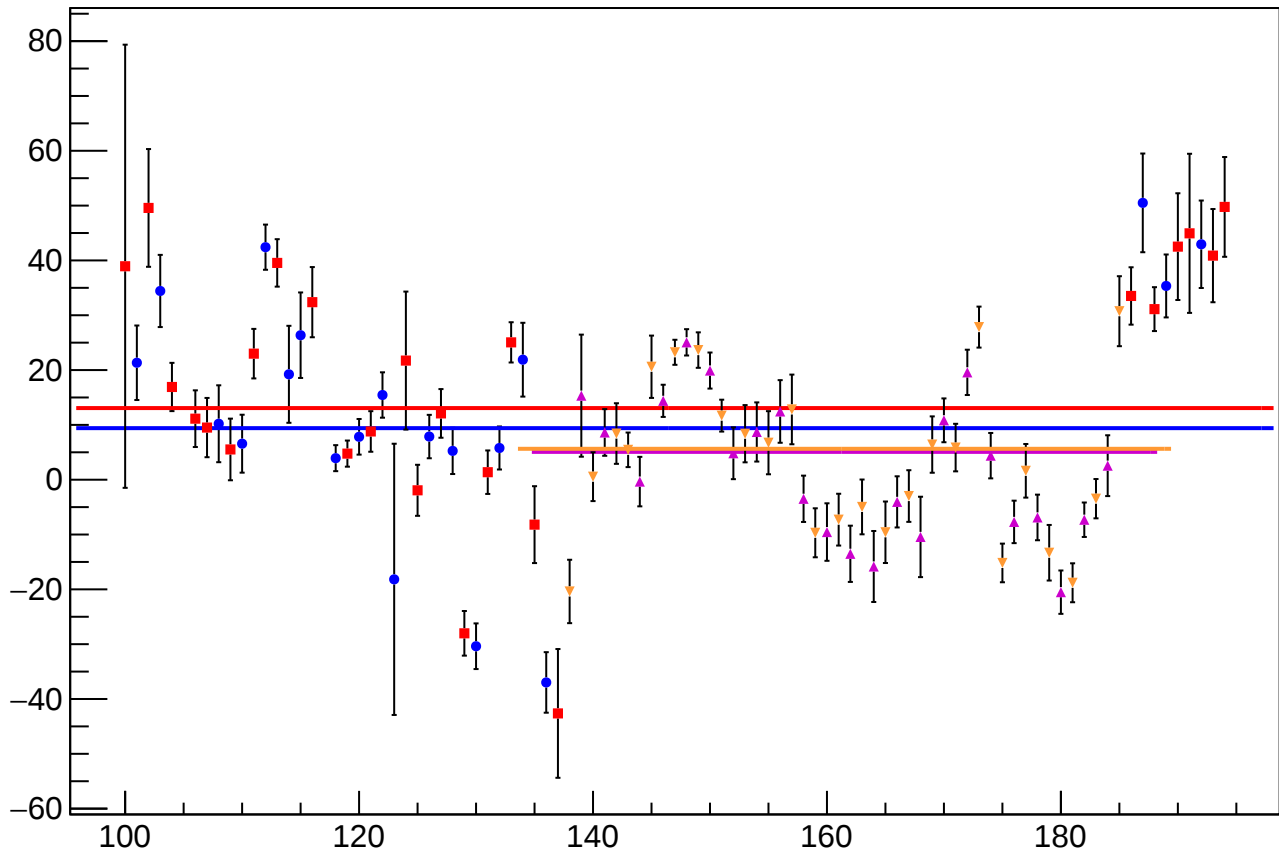
Left In: -233.988+/-1.109 χ^2/NDF : 3538.4/22

+ sign -230.066+/-1.029 χ^2/NDF : 5670.2/27

All: -240.380+/-0.710 χ^2/NDF : 12147.5/56

- sign -249.747+/-0.981 χ^2/NDF : 6285.6/28

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.406 $\pm$ 1.068 χ^2/NDF : 323.1/19

Left Out: 5.638 $\pm$ 0.828 χ^2/NDF :313.6/24

Right Out: 13.067 $\pm$ 0.995 χ^2/NDF : 320.3/24

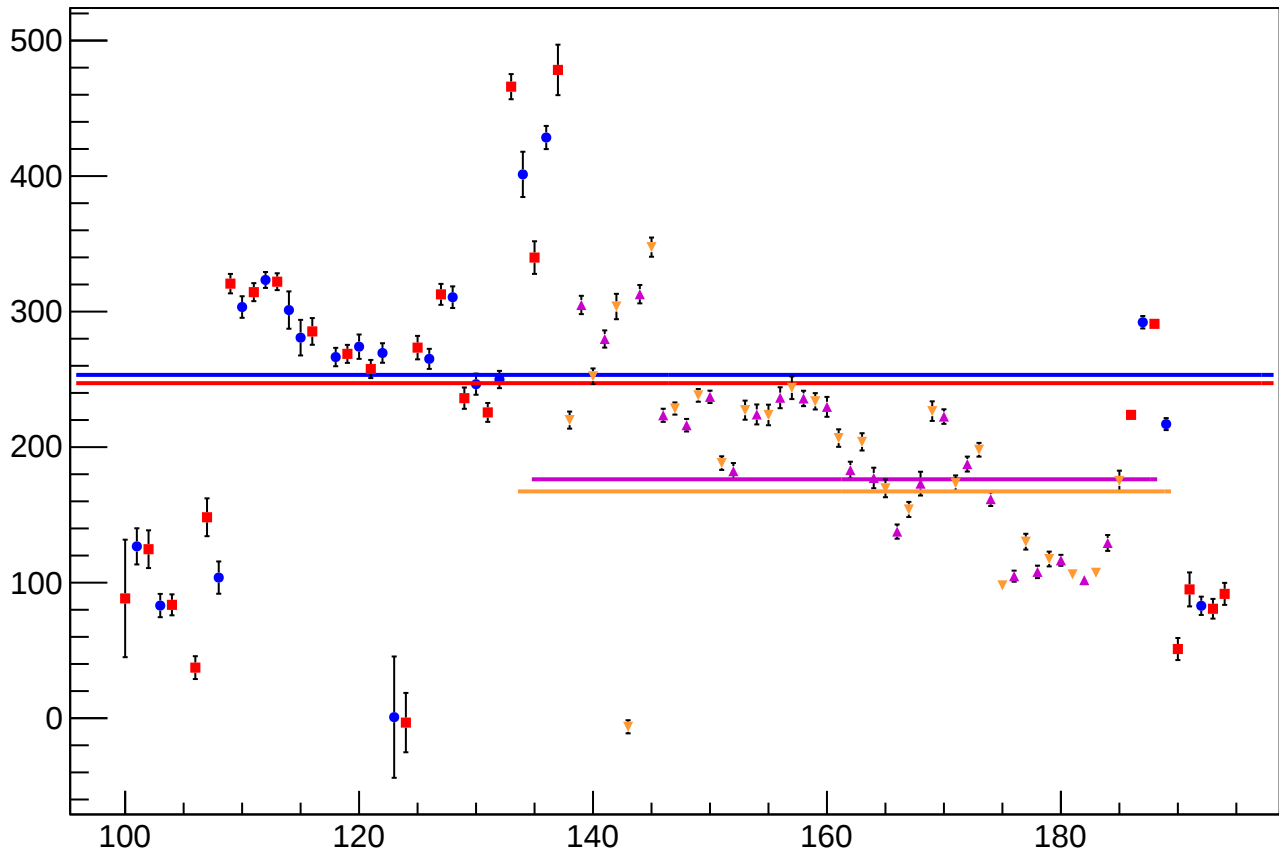
Left In: 5.077 $\pm$ 0.869 χ^2/NDF :239.7/22

+ sign 7.053 $\pm$ 0.654 χ^2/NDF : 644.5/44

All: 7.792 $\pm$ 0.463 χ^2/NDF : 1243.6/92

- sign 8.532 $\pm$ 0.655 χ^2/NDF : 596.6/47

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 253.307 $\pm$ 1.694 χ^2 /NDF: 2212.9/19

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF:4454.5/24

Right Out: 247.202 $\pm$ 1.304 χ^2 /NDF: 4607.9/24

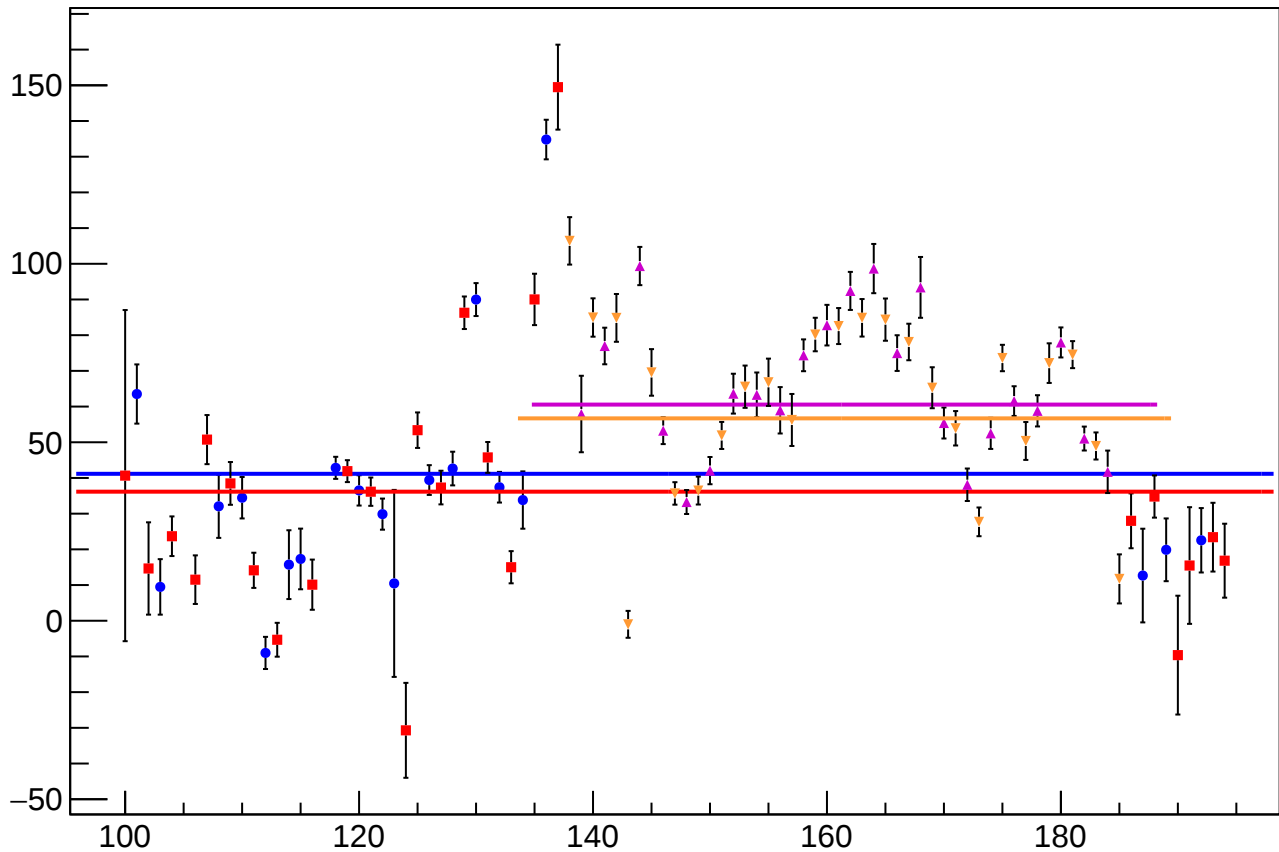
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 192.255 $\pm$ 0.912 χ^2 /NDF: 8496.4/44

All: 199.627 $\pm$ 0.619 χ^2 /NDF: 18115.6/92

- sign 205.929 $\pm$ 0.843 χ^2 /NDF: 9498.0/47

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 41.164 $\pm$ 1.245 χ^2/NDF : 588.7/19

Left Out: 56.695 $\pm$ 0.952 χ^2/NDF : 690.4/24

Right Out: 36.159 $\pm$ 1.173 χ^2/NDF : 487.0/24

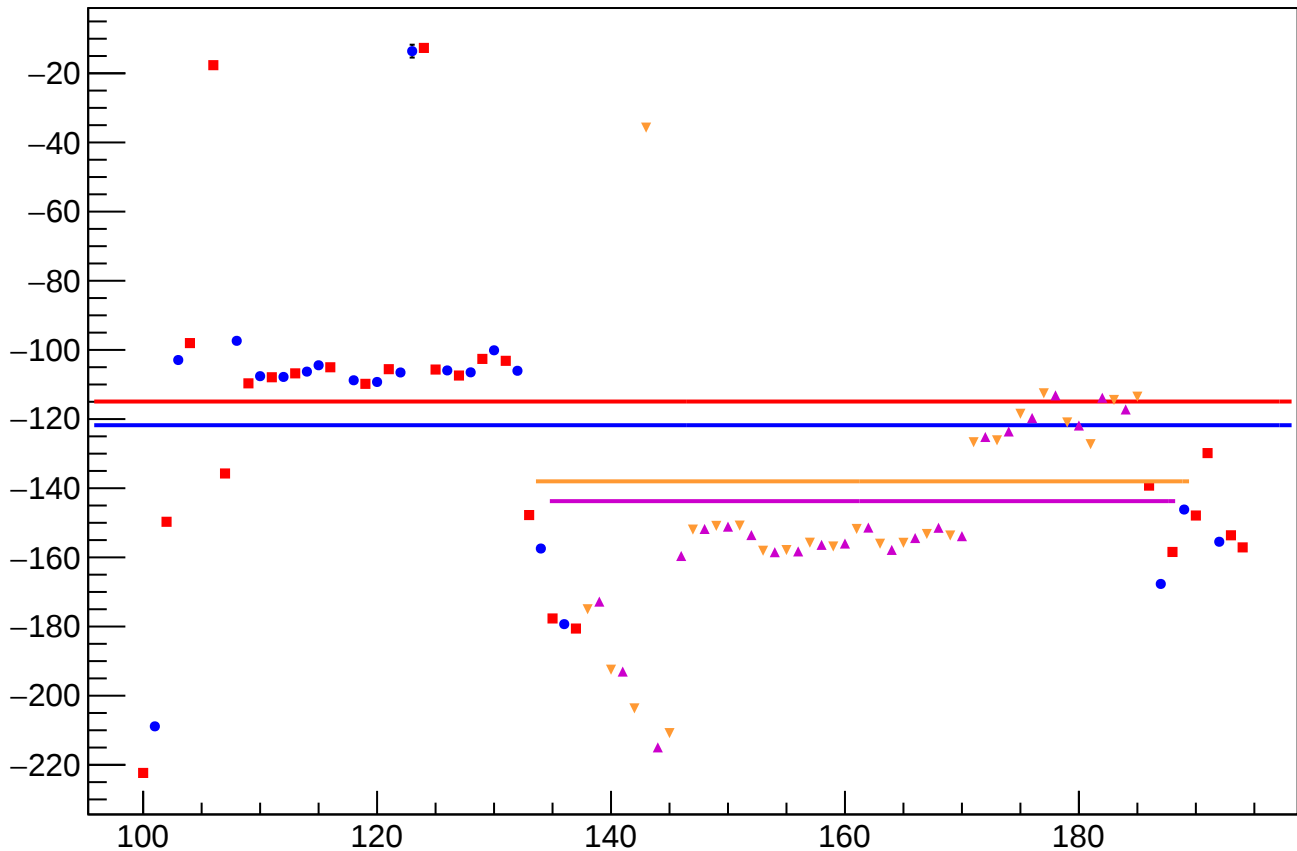
Left In: 60.555 $\pm$ 0.990 χ^2/NDF : 335.6/22

+ sign 50.969 $\pm$ 0.756 χ^2/NDF : 1377.3/44

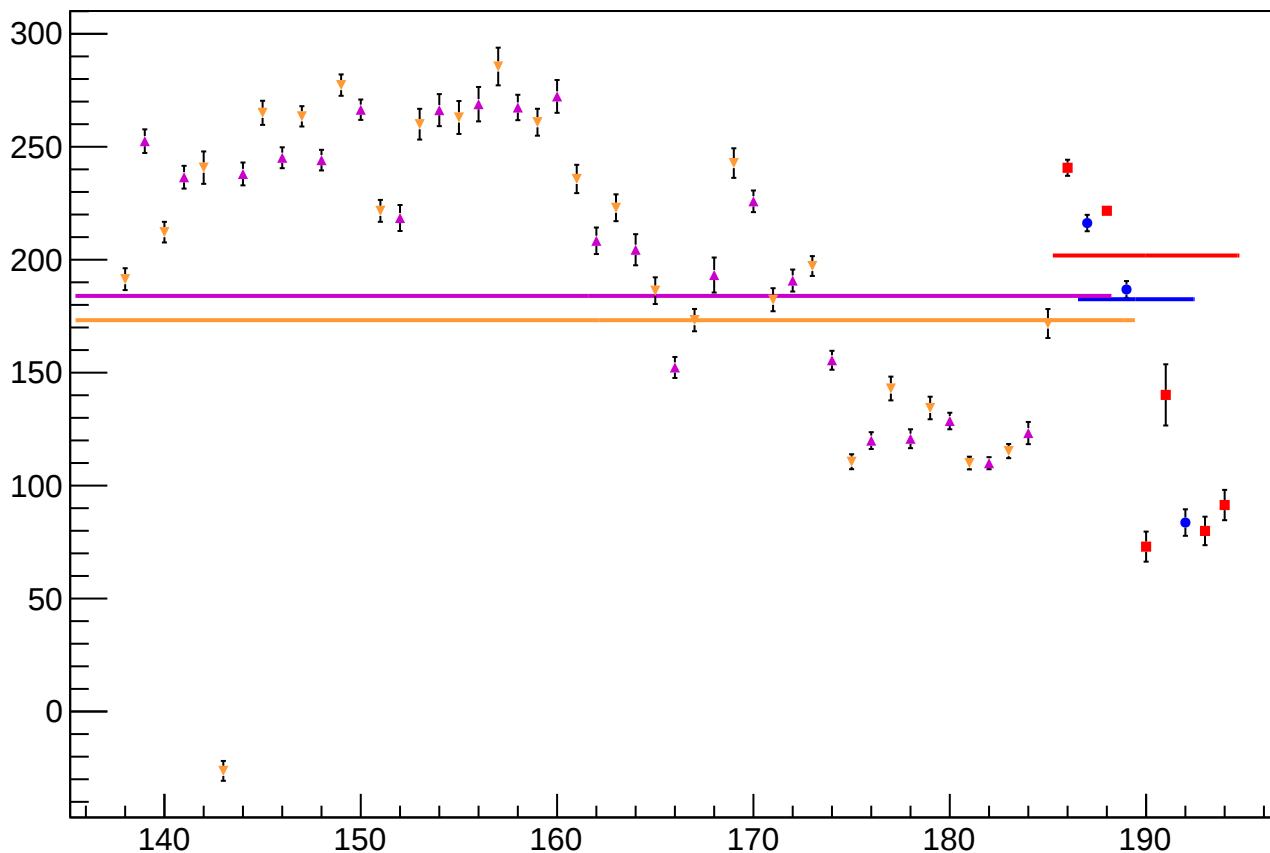
All: 50.688 $\pm$ 0.535 χ^2/NDF : 2452.7/92

- sign 50.406 $\pm$ 0.757 χ^2/NDF : 1075.1/47

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 182.510 $\pm$ 2.376 χ^2 /NDF: 371.5/2

Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF: 5846.0/24

Right Out: 201.869 $\pm$ 1.504 χ^2 /NDF: 1272.4/5

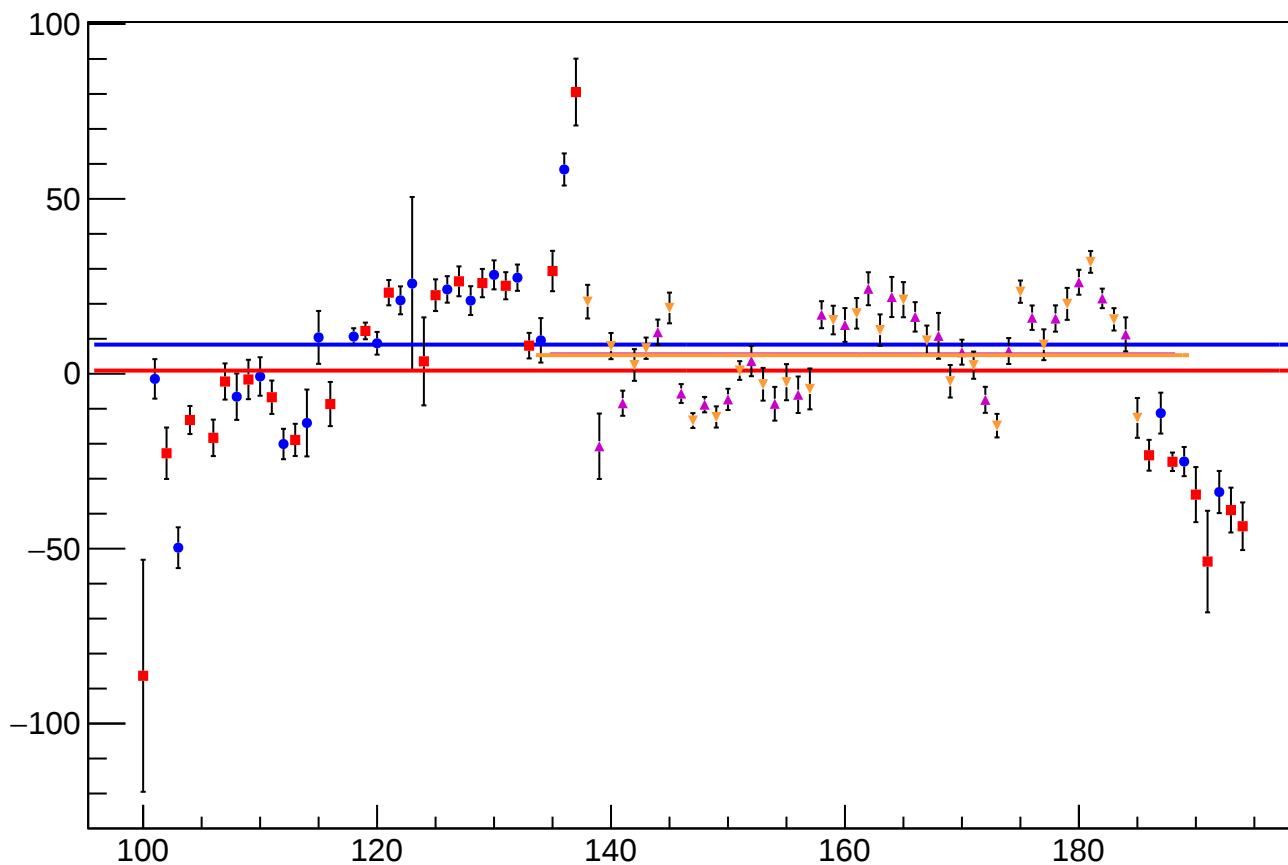
Left In: 183.984 $\pm$ 0.991 χ^2 /NDF: 3613.7/22

+ sign 174.545 $\pm$ 0.895 χ^2 /NDF: 6230.6/27

All: 182.550 $\pm$ 0.607 χ^2 /NDF: 11363.9/56

- sign 189.399 $\pm$ 0.827 χ^2 /NDF: 4984.7/28

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 8.335 ± 1.011 χ^2/NDF : 488.8/19

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: 0.915 ± 0.924 χ^2/NDF : 604.4/24

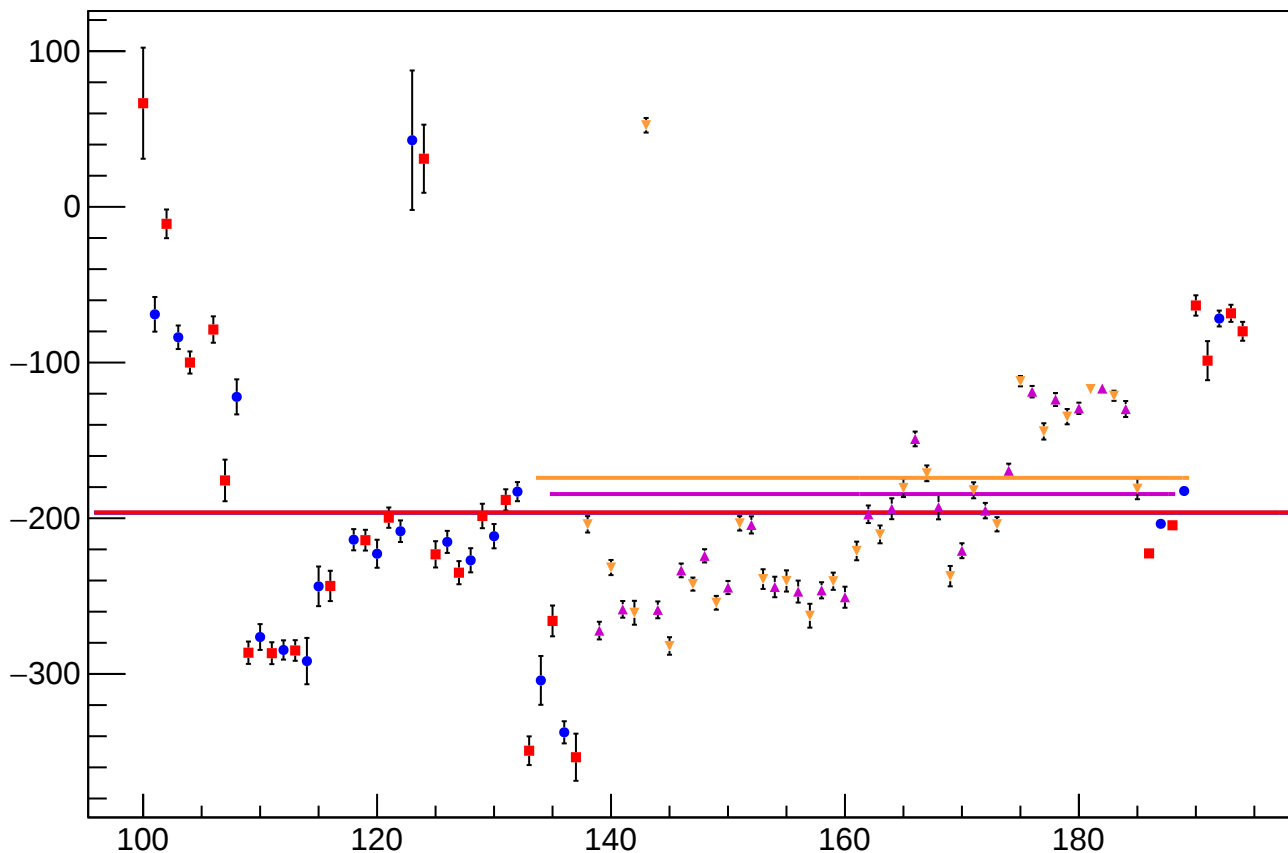
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 6.386 ± 0.601 χ^2/NDF : 840.0/44

All: 4.986 ± 0.423 χ^2/NDF : 1726.1/92

- sign 3.606 ± 0.597 χ^2/NDF : 875.3/47

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -196.444 ± 1.417 χ^2/NDF : 1888.8/19

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -196.251 ± 1.038 χ^2/NDF : 3451.1/24

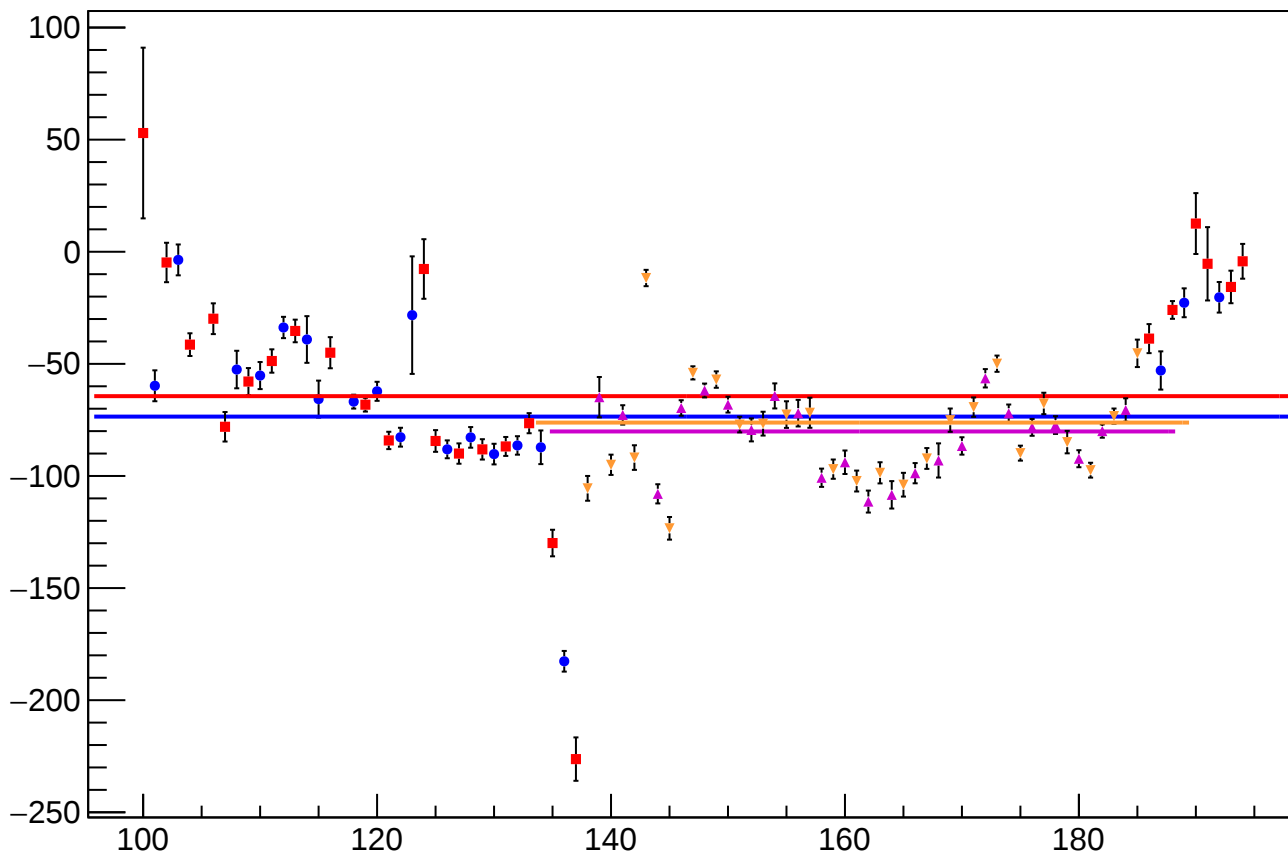
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -181.208 ± 0.801 χ^2/NDF : 7501.8/44

All: -186.135 ± 0.534 χ^2/NDF : 14140.2/92

- sign -190.078 ± 0.717 χ^2/NDF : 6570.2/47

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -73.521 ± 1.186 $\chi^2/\text{NDF}: 956.0/19$

Left Out: -76.182 ± 0.857 $\chi^2/\text{NDF}: 801.0/24$

Right Out: -64.403 ± 1.106 $\chi^2/\text{NDF}: 977.1/24$

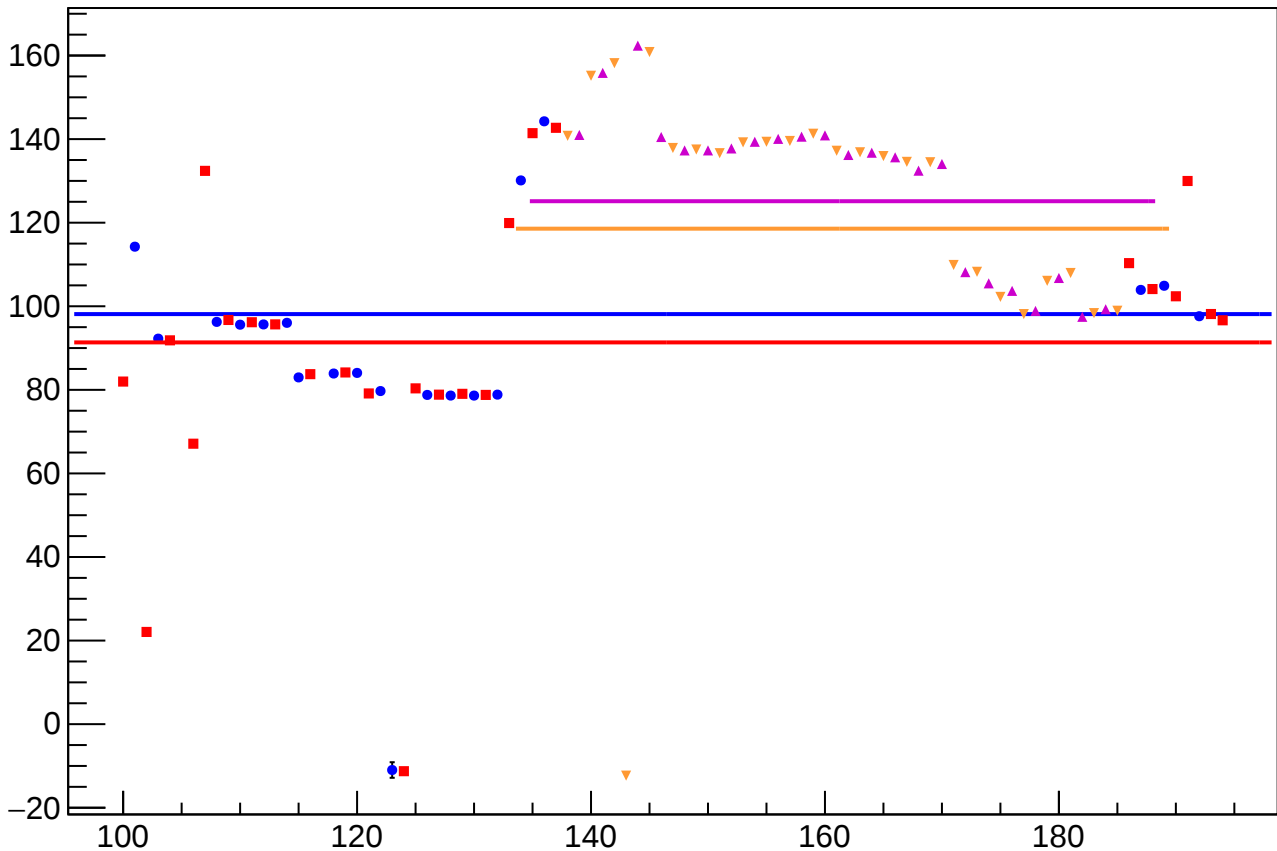
Left In: -80.149 ± 0.889 $\chi^2/\text{NDF}: 283.3/22$

+ sign -75.269 ± 0.695 $\chi^2/\text{NDF}: 1760.3/44$

All: -74.618 ± 0.491 $\chi^2/\text{NDF}: 3145.5/92$

- sign -73.970 ± 0.693 $\chi^2/\text{NDF}: 1383.4/47$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.126 $\pm$ 0.067 χ^2 /NDF: 94589.1/19

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 91.352 $\pm$ 0.059 χ^2 /NDF: 239545.6/24

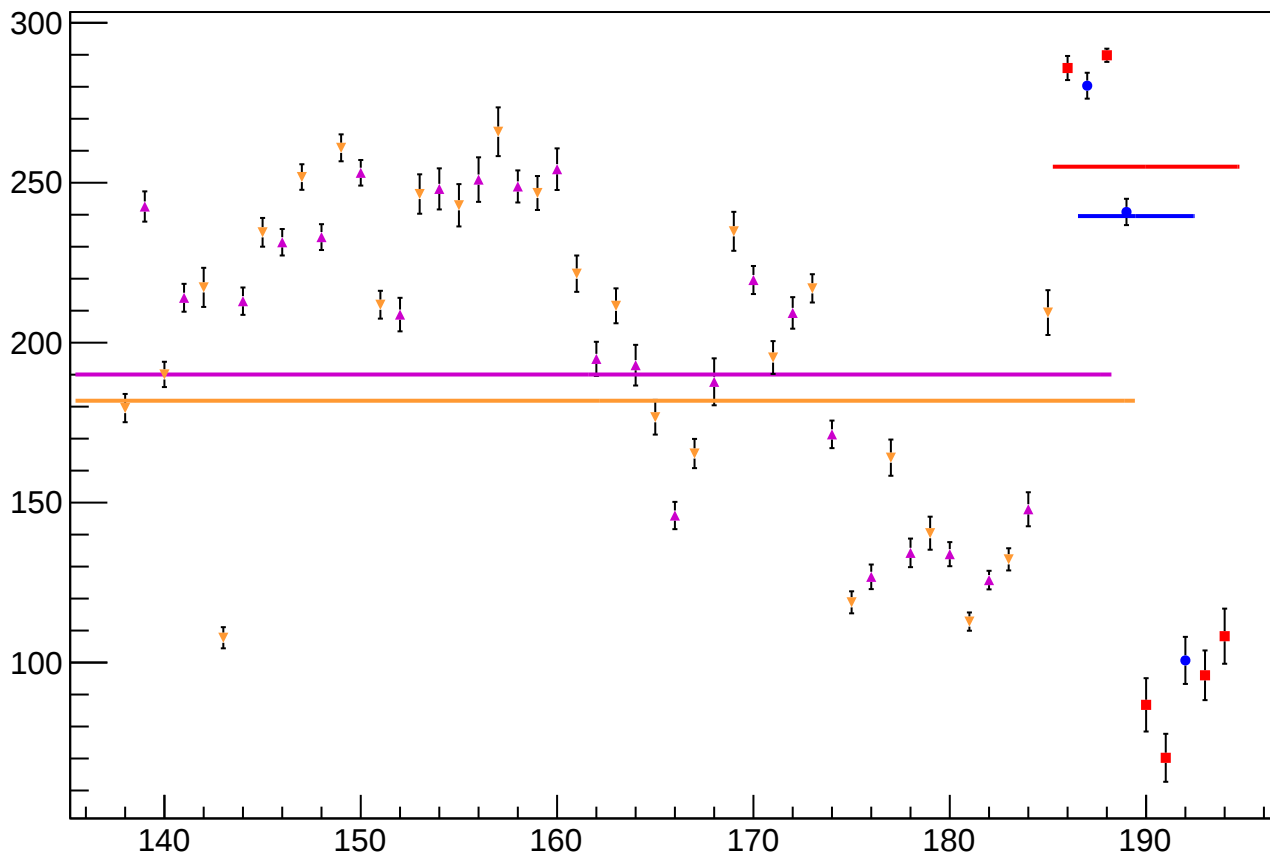
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 113.151 $\pm$ 0.035 χ^2 /NDF: 890820.0/44

All: 113.541 $\pm$ 0.024 χ^2 /NDF: 1574169.6/92

- sign 113.909 $\pm$ 0.034 χ^2 /NDF: 683104.6/47

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 239.576 ± 2.686 χ^2/NDF : 457.8/2

Left Out: 181.850 ± 0.913 χ^2/NDF : 3303.4/24

Right Out: 255.016 ± 1.652 χ^2/NDF : 2074.2/5

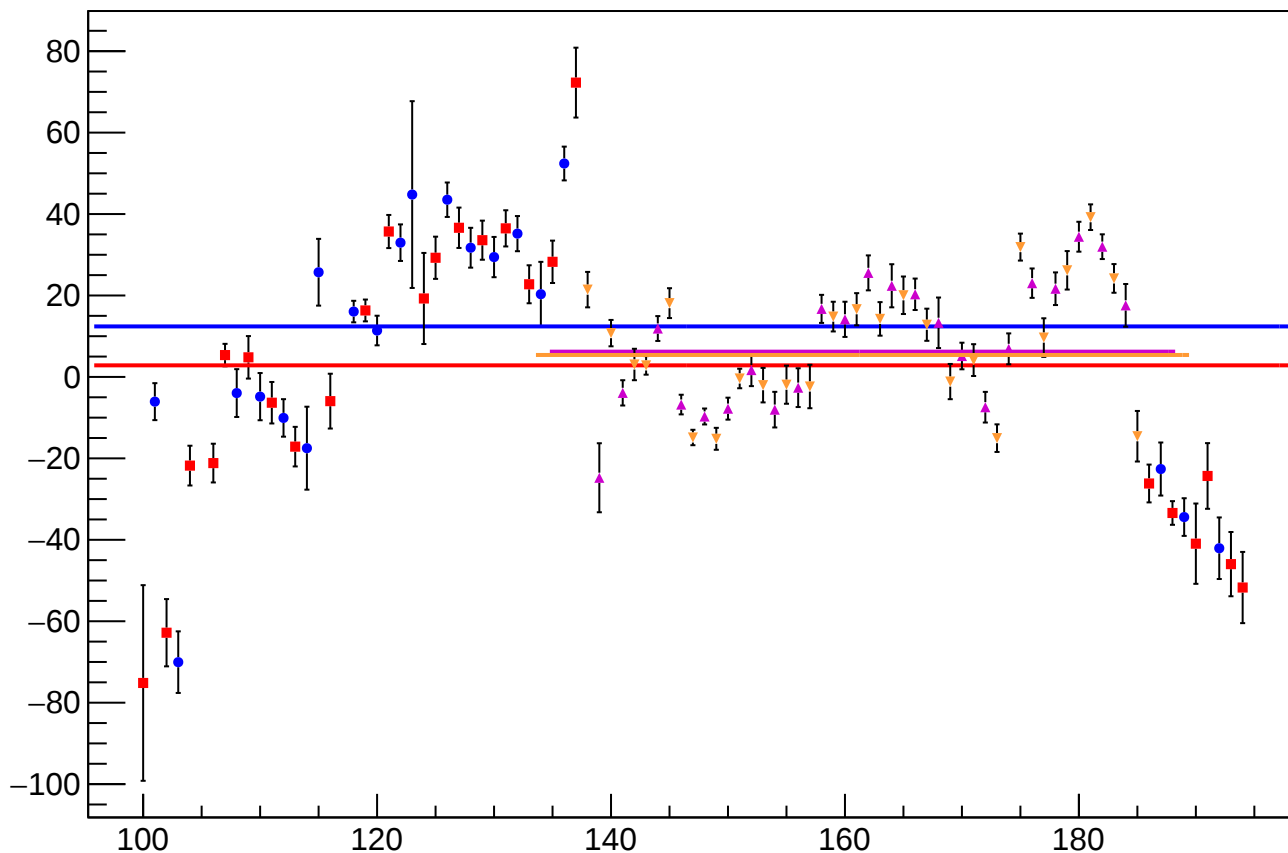
Left In: 190.048 ± 0.953 χ^2/NDF : 2438.4/22

+ sign 187.834 ± 0.865 χ^2/NDF : 4175.3/27

All: 197.481 ± 0.597 χ^2/NDF : 10086.5/56

- sign 206.269 ± 0.825 χ^2/NDF : 5673.4/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 12.404 $\pm$ 1.104 χ^2 /NDF: 598.8/19

Left Out: 5.394 $\pm$ 0.688 χ^2 /NDF: 526.5/24

Right Out: 2.843 $\pm$ 0.967 χ^2 /NDF: 821.6/24

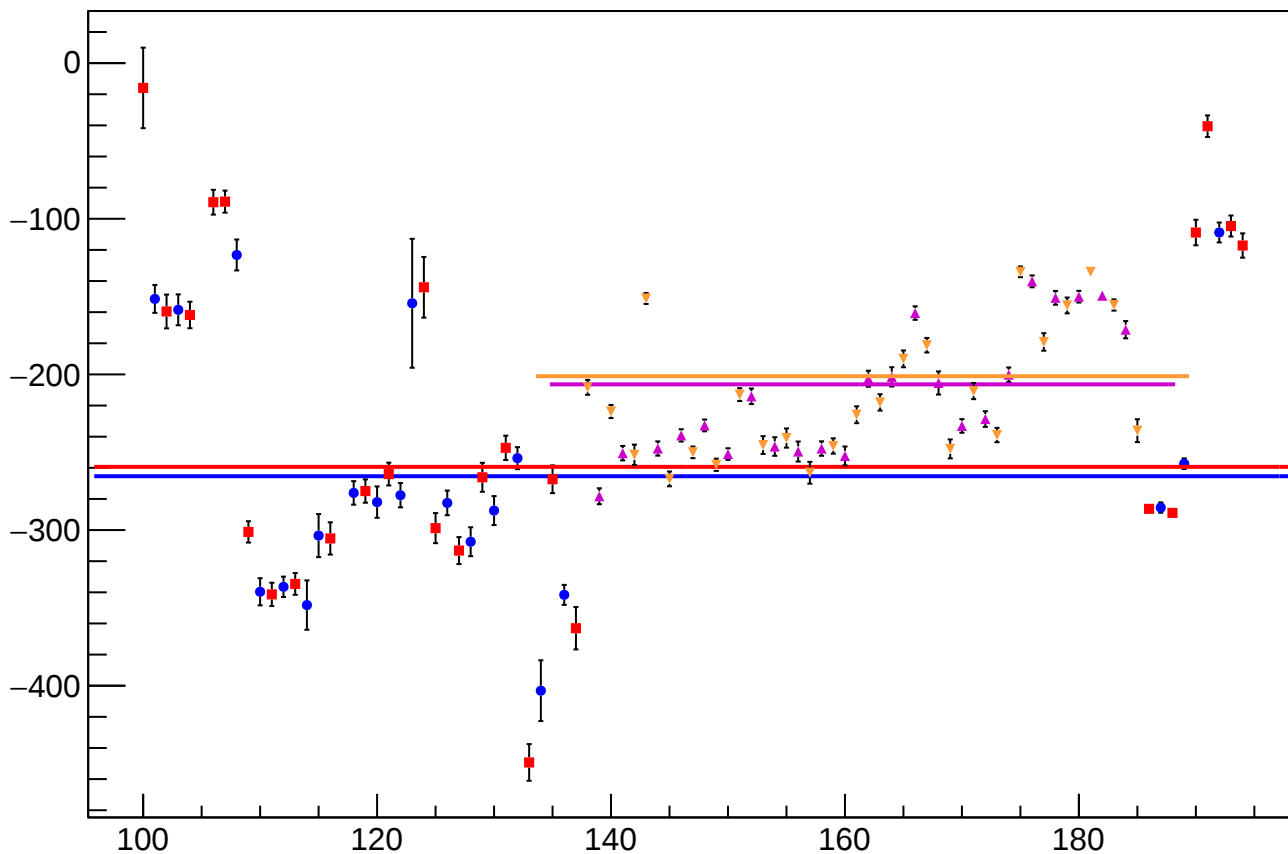
Left In: 6.206 $\pm$ 0.732 χ^2 /NDF: 407.5/22

+ sign 7.355 $\pm$ 0.584 χ^2 /NDF: 1154.4/44

All: 6.168 $\pm$ 0.413 χ^2 /NDF: 2399.5/92

- sign 4.982 $\pm$ 0.583 χ^2 /NDF: 1236.8/47

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -265.417 ± 1.563 χ^2/NDF : 1586.2/19

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -259.392 ± 1.124 χ^2/NDF : 4628.6/24

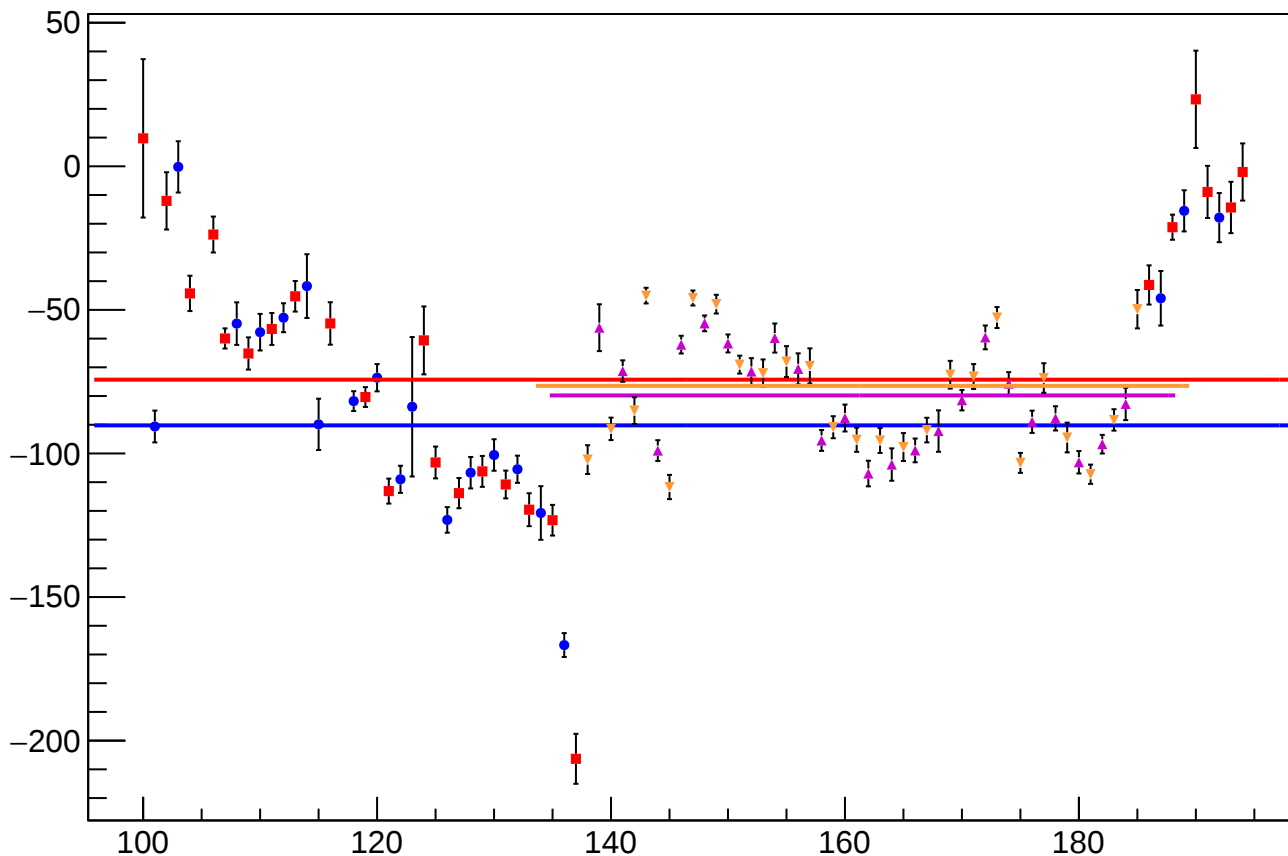
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -217.622 ± 0.791 χ^2/NDF : 5332.1/44

All: -223.510 ± 0.535 χ^2/NDF : 13472.1/92

- sign -228.457 ± 0.725 χ^2/NDF : 8038.1/47

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -90.217 ± 1.293 $\chi^2/\text{NDF}: 886.8/19$

Left Out: -76.460 ± 0.797 $\chi^2/\text{NDF}: 781.3/24$

Right Out: -74.300 ± 1.160 $\chi^2/\text{NDF}: 1194.4/24$

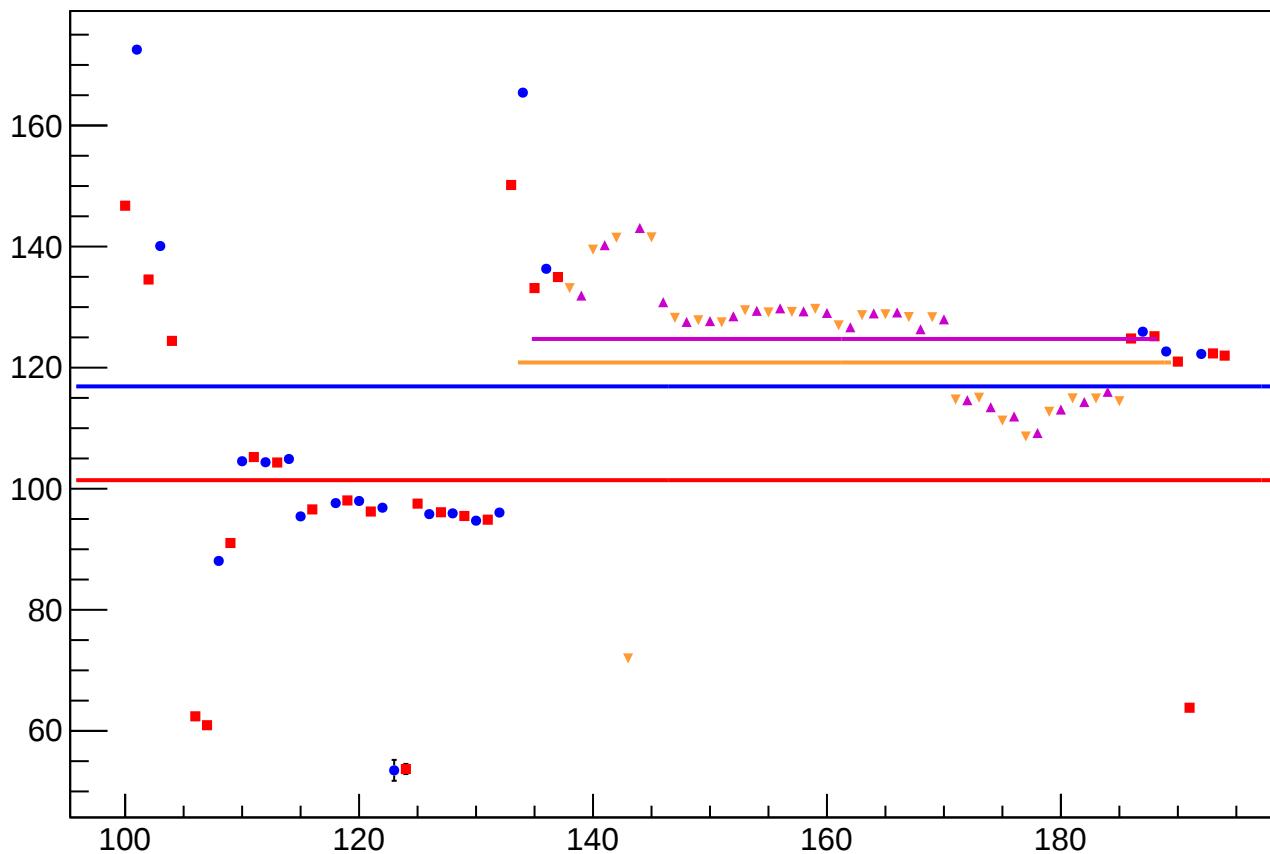
Left In: -79.792 ± 0.840 $\chi^2/\text{NDF}: 412.3/22$

+ sign -80.245 ± 0.678 $\chi^2/\text{NDF}: 1750.2/44$

All: -79.078 ± 0.480 $\chi^2/\text{NDF}: 3377.4/92$

- sign -77.904 ± 0.680 $\chi^2/\text{NDF}: 1621.3/47$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 116.904 ± 0.073 $\chi^2/\text{NDF}: 106739.1/19$

Left Out: 120.855 ± 0.038 $\chi^2/\text{NDF}: 182759.1/24$

Right Out: 101.414 ± 0.060 $\chi^2/\text{NDF}: 221817.3/24$

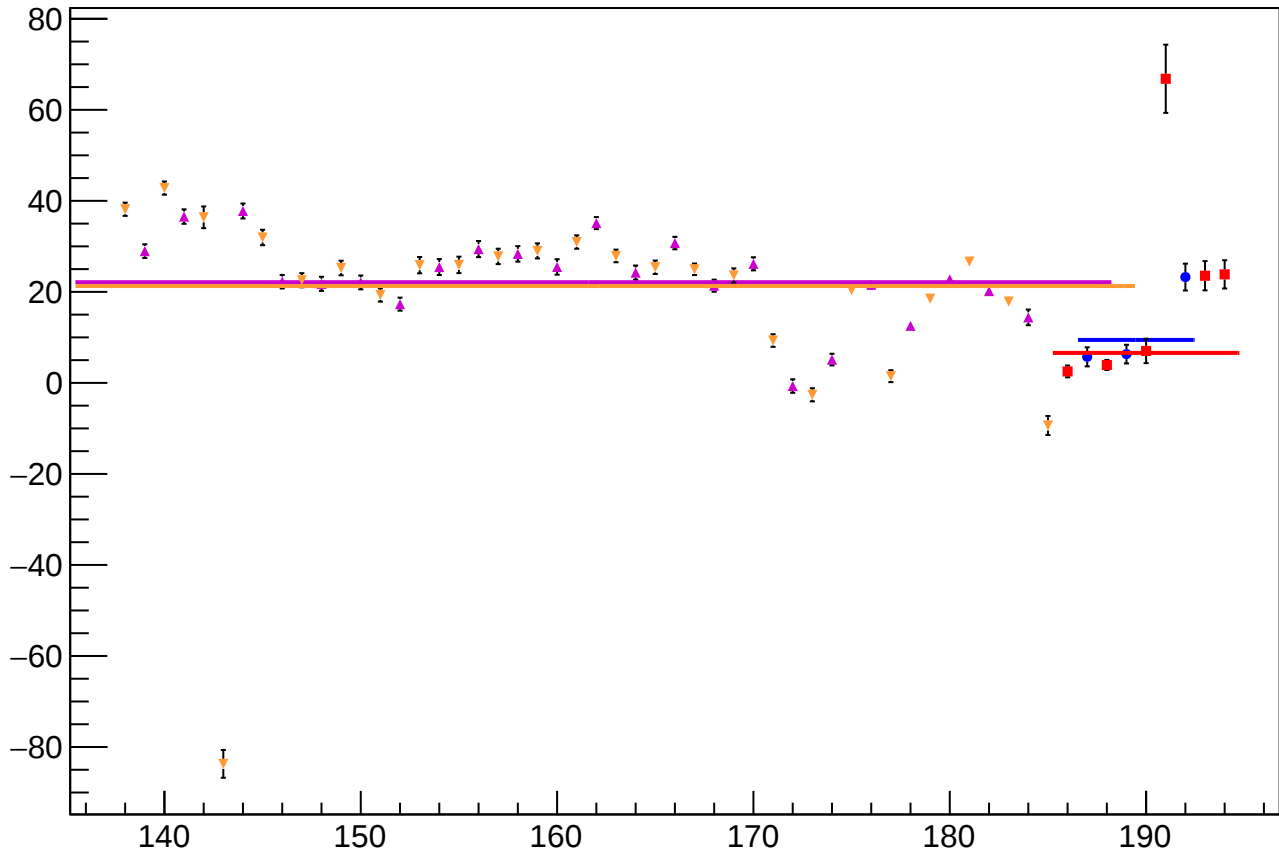
Left In: 124.738 ± 0.039 $\chi^2/\text{NDF}: 51298.3/22$

+ sign 120.012 ± 0.034 $\chi^2/\text{NDF}: 291798.4/44$

All: 118.832 ± 0.024 $\chi^2/\text{NDF}: 673600.4/92$

- sign 117.717 ± 0.033 $\chi^2/\text{NDF}: 379423.9/47$

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 9.442 ± 1.314 $\chi^2/\text{NDF}: 27.3/2$

Left Out: 21.282 ± 0.282 $\chi^2/\text{NDF}: 2600.5/24$

Right Out: 6.594 ± 0.754 $\chi^2/\text{NDF}: 139.0/5$

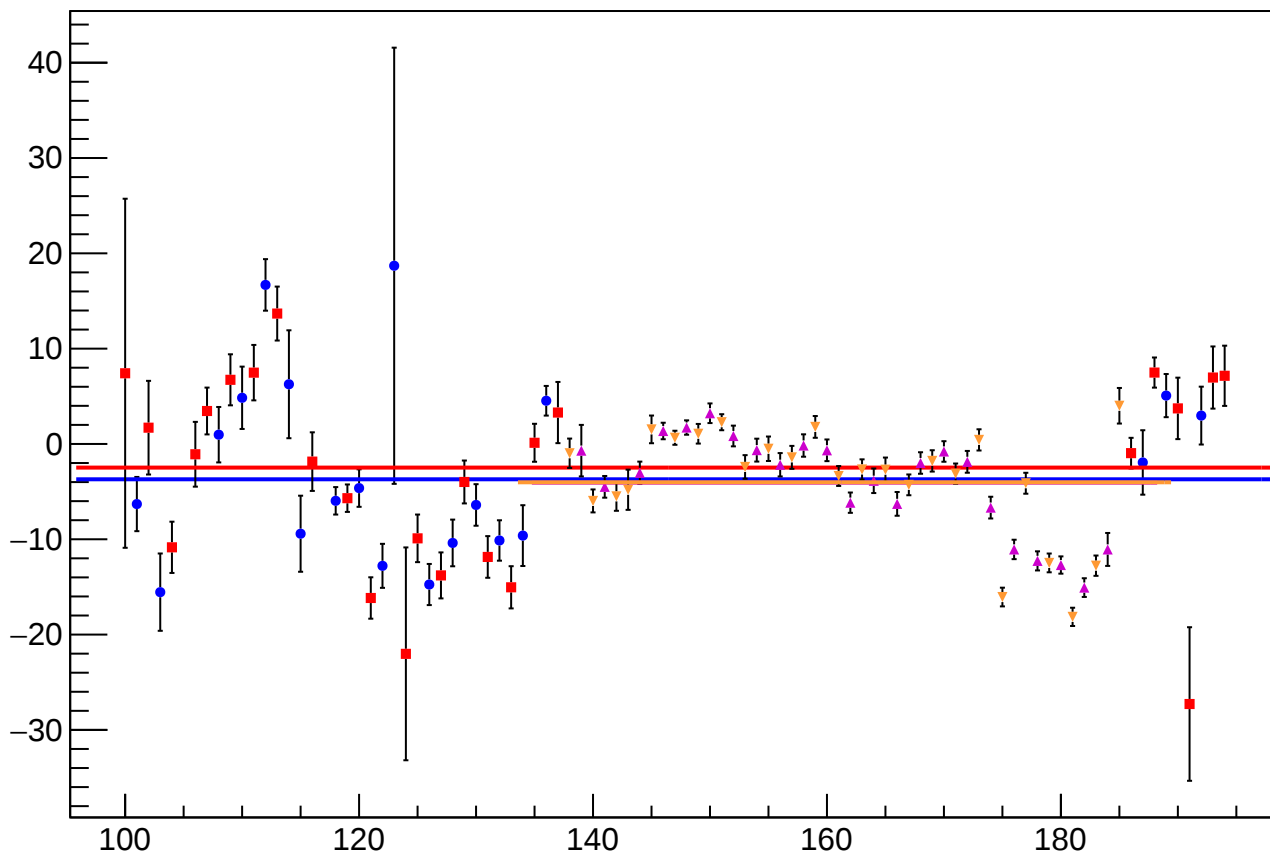
Left In: 22.127 ± 0.285 $\chi^2/\text{NDF}: 900.2/22$

+ sign 20.759 ± 0.276 $\chi^2/\text{NDF}: 2705.5/27$

All: 20.458 ± 0.192 $\chi^2/\text{NDF}: 4118.4/56$

- sign 20.178 ± 0.267 $\chi^2/\text{NDF}: 1410.6/28$

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -3.707 ± 0.553 χ^2/NDF : 195.9/19

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -2.480 ± 0.499 χ^2/NDF : 279.0/24

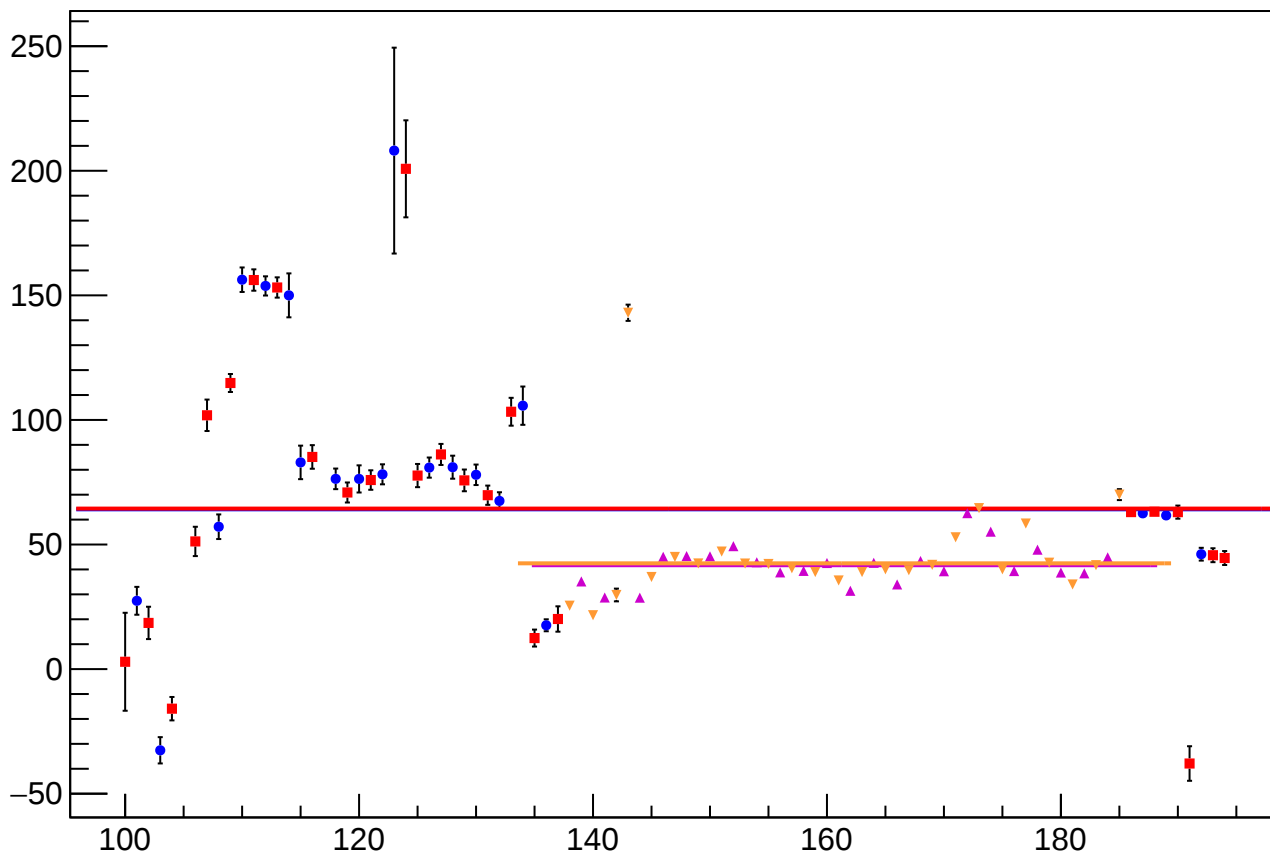
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.978 ± 0.207 χ^2/NDF : 930.3/44

All: -3.882 ± 0.147 χ^2/NDF : 1795.2/92

- sign -3.786 ± 0.207 χ^2/NDF : 864.5/47

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 64.128+/-0.776 χ^2/NDF : 1915.5/19

Left Out: 42.452+/-0.282 χ^2/NDF : 2016.0/24

Right Out: 64.421+/-0.538 χ^2/NDF : 2316.9/24

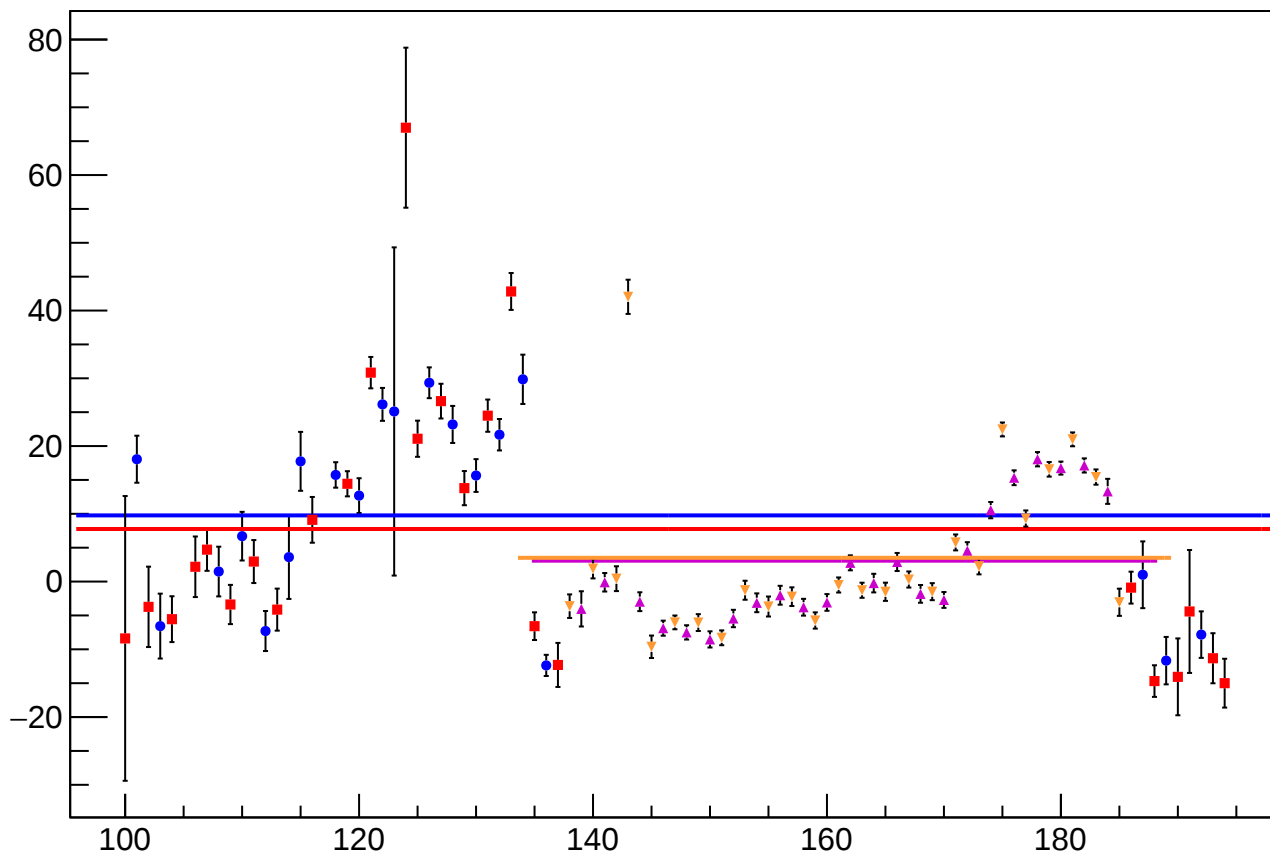
Left In: 41.695+/-0.284 χ^2/NDF : 630.2/22

+ sign 44.978+/-0.265 χ^2/NDF : 4620.2/44

All: 45.860+/-0.182 χ^2/NDF : 8984.1/92

- sign 46.652+/-0.251 χ^2/NDF : 4342.8/47

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 9.766 $\pm$ 0.638 χ^2 /NDF: 547.1/19

Left Out: 3.505 $\pm$ 0.252 χ^2 /NDF: 1691.3/24

Right Out: 7.759 $\pm$ 0.596 χ^2 /NDF: 768.2/24

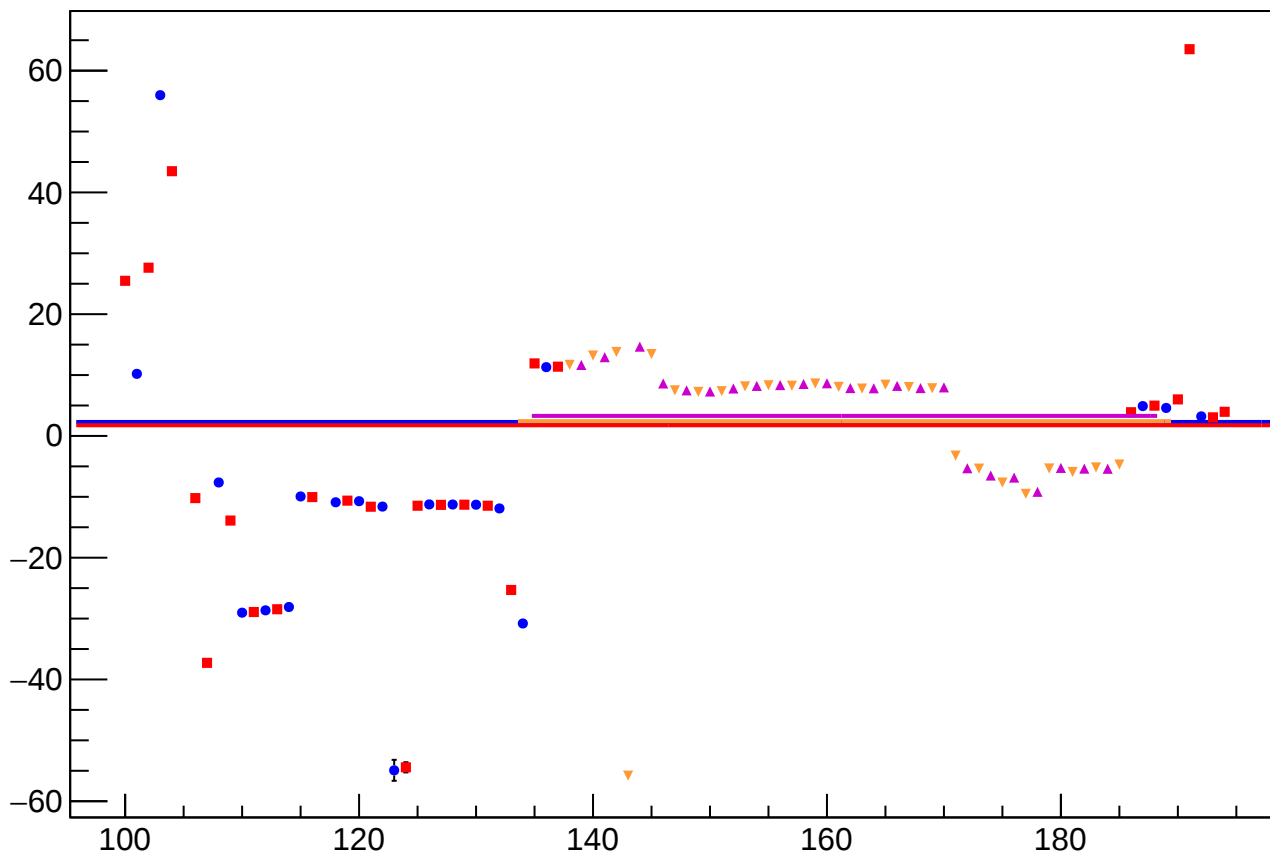
Left In: 3.081 $\pm$ 0.257 χ^2 /NDF: 1265.7/22

+ sign 4.352 $\pm$ 0.235 χ^2 /NDF: 2321.6/44

All: 4.085 $\pm$ 0.166 χ^2 /NDF: 4410.1/92

- sign 3.815 $\pm$ 0.236 χ^2 /NDF: 2085.9/47

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 2.296 $\pm$ 0.034 χ^2 /NDF: 358327.1/19

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 1.752 $\pm$ 0.031 χ^2 /NDF: 428979.2/24

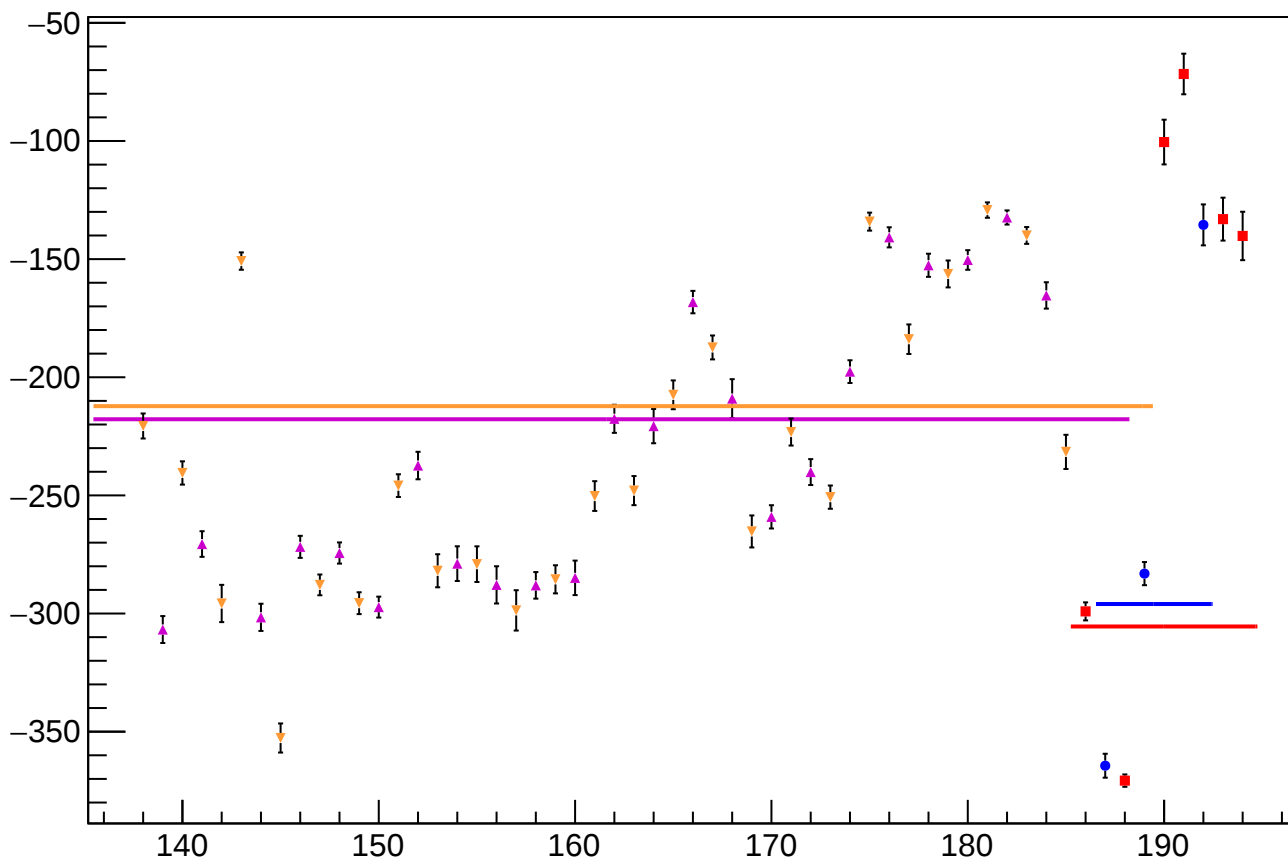
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.412 $\pm$ 0.011 χ^2 /NDF: 974722.4/44

All: 2.757 $\pm$ 0.008 χ^2 /NDF: 1812193.6/92

- sign 3.100 $\pm$ 0.011 χ^2 /NDF: 835489.1/47

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -295.976+/-3.262 χ^2/NDF : 532.3/2

Left Out: -212.231+/-1.029 χ^2/NDF : 3875.4/24

Right Out: -305.483+/-1.954 χ^2/NDF : 2457.0/5

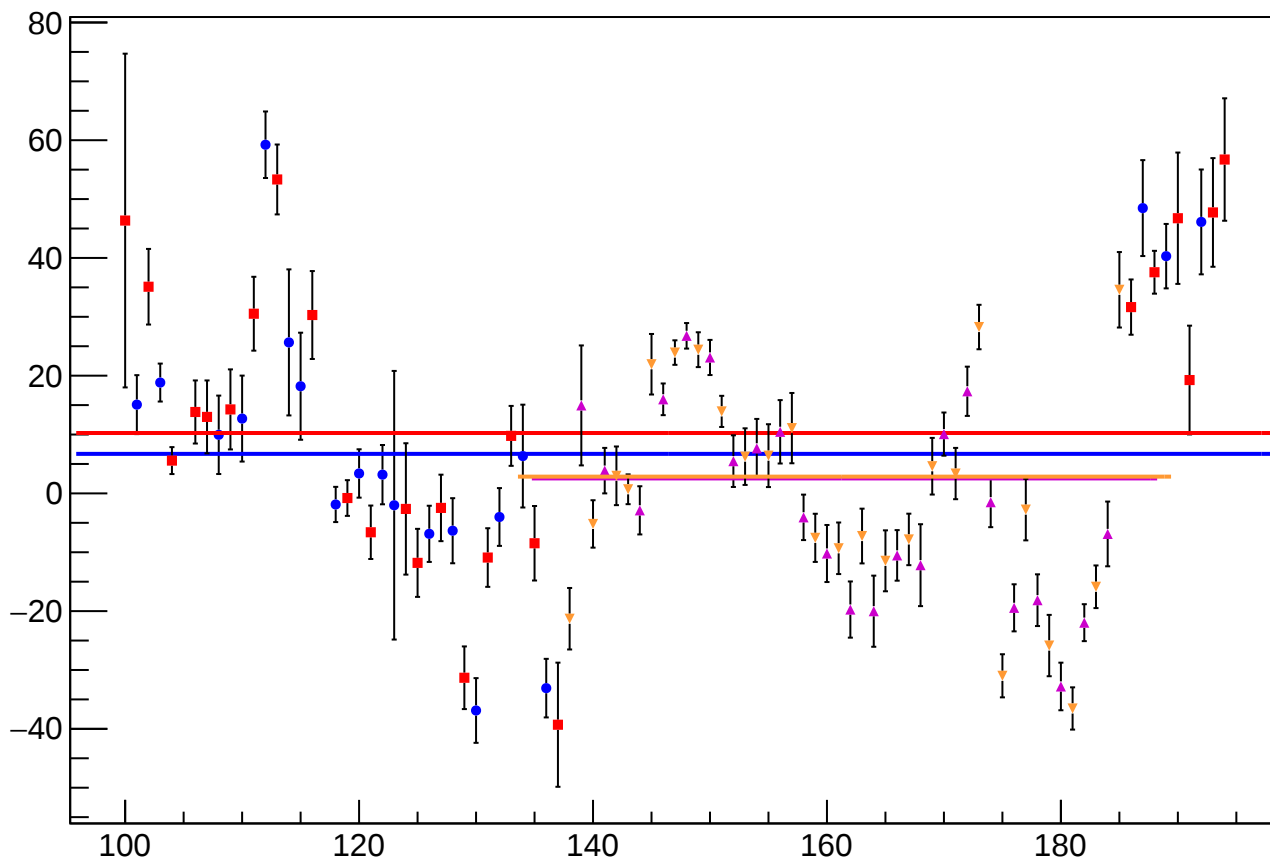
Left In: -217.779+/-1.067 χ^2/NDF : 3448.9/22

+ sign -219.817+/-0.982 χ^2/NDF : 5007.2/27

All: -229.291+/-0.678 χ^2/NDF : 12642.4/56

- sign -237.911+/-0.936 χ^2/NDF : 7457.4/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 6.714 ± 1.191 χ^2/NDF : 346.4/19

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 10.259 ± 1.050 χ^2/NDF : 375.2/24

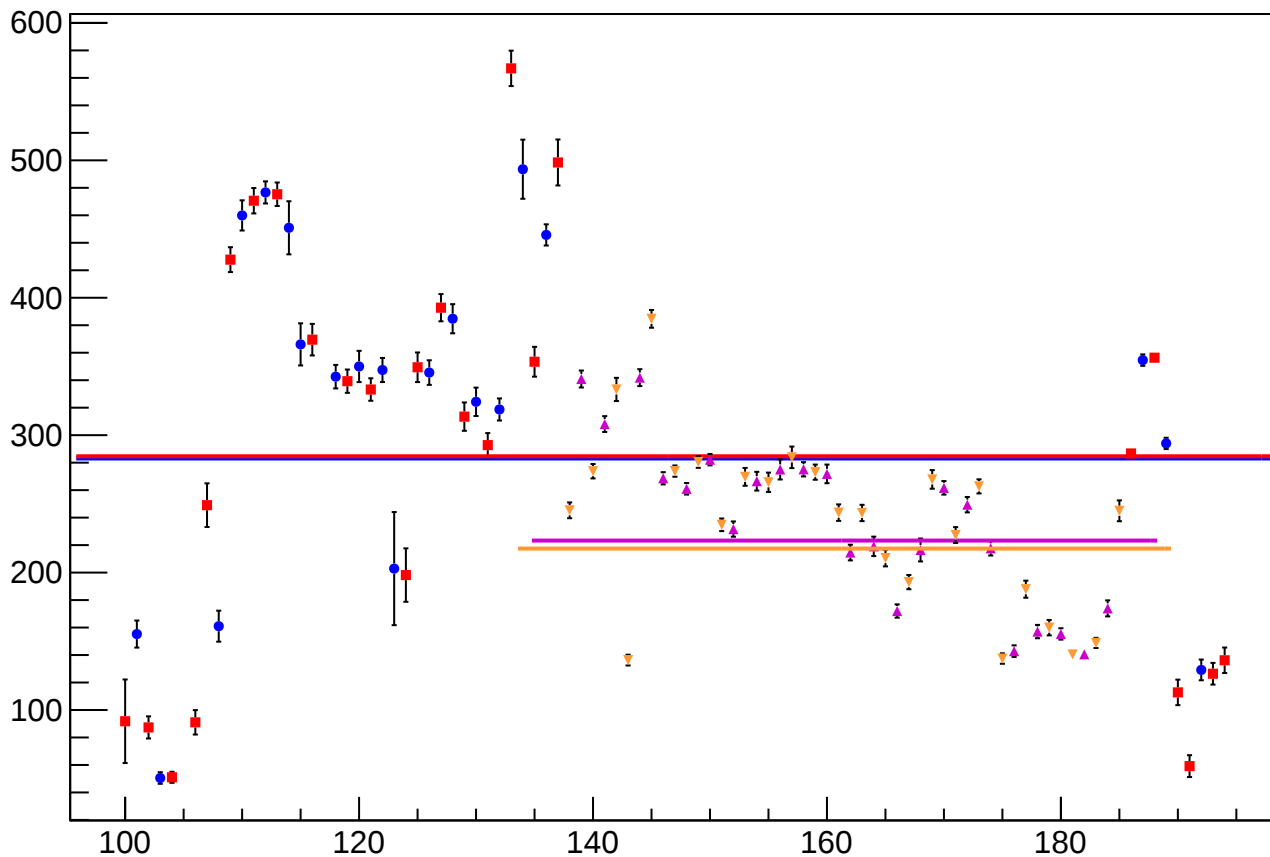
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 3.998 ± 0.649 χ^2/NDF : 936.0/44

All: 4.738 ± 0.458 χ^2/NDF : 1820.9/92

- sign 5.475 ± 0.648 χ^2/NDF : 882.3/47

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 283.036 $\pm$ 1.716 χ^2 /NDF: 5832.7/19

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 284.647 $\pm$ 1.269 χ^2 /NDF: 9596.4/24

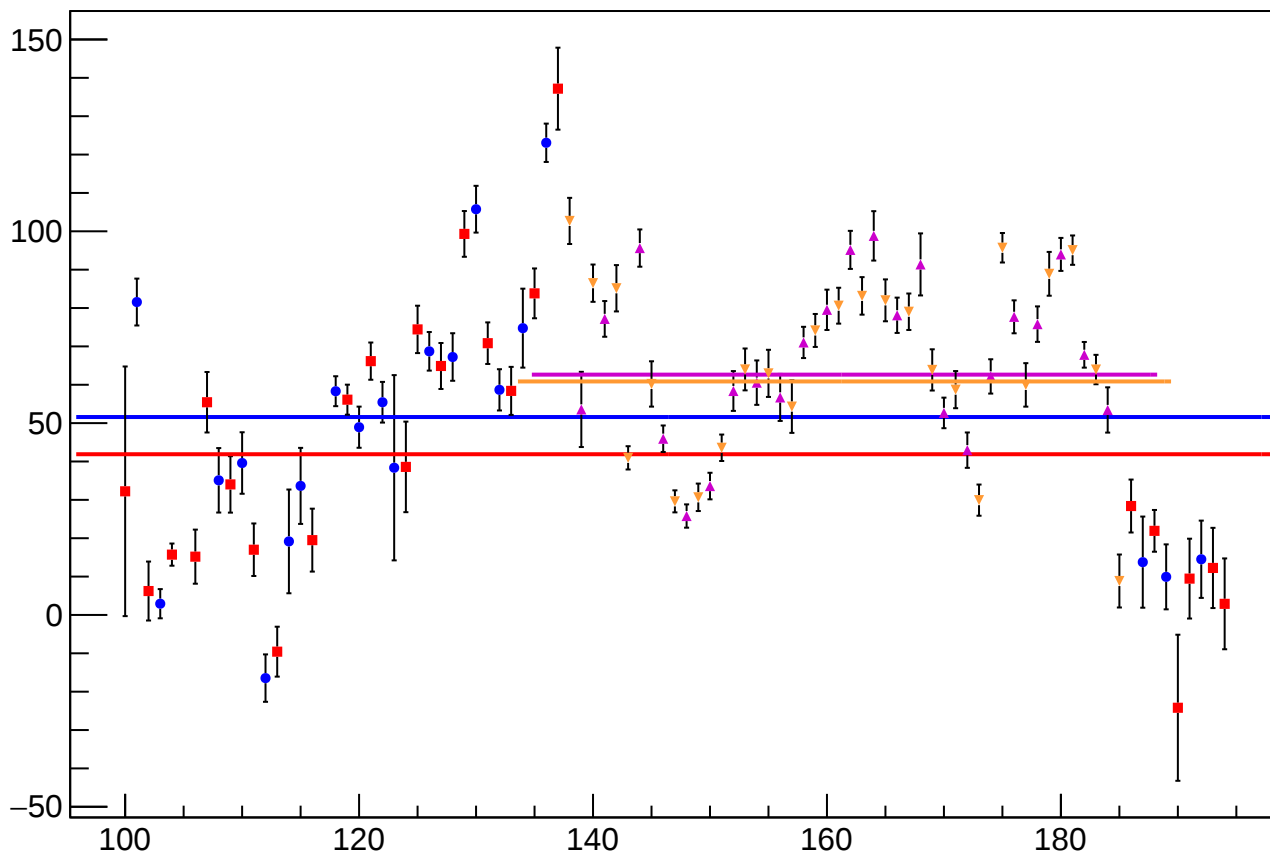
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 234.910 $\pm$ 0.885 χ^2 /NDF: 10674.1/44

All: 242.297 $\pm$ 0.599 χ^2 /NDF: 25150.9/92

- sign 248.560 $\pm$ 0.815 χ^2 /NDF: 14348.0/47

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 51.589 $\pm$ 1.397 χ^2/NDF : 684.2/19

Left Out: 60.863 $\pm$ 0.897 χ^2/NDF : 731.6/24

Right Out: 41.892 $\pm$ 1.265 χ^2/NDF : 593.5/24

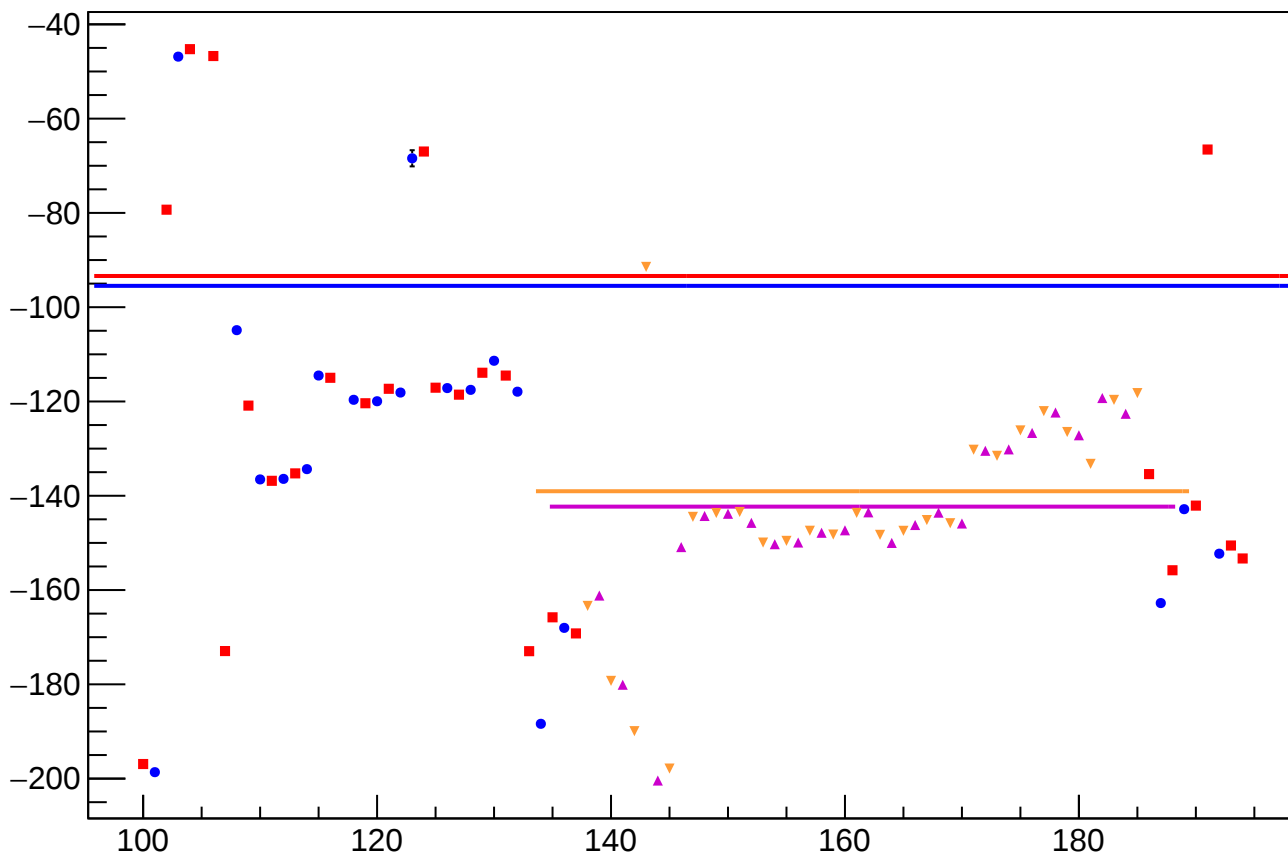
Left In: 62.640 $\pm$ 0.943 χ^2/NDF : 515.4/22

+ sign 58.156 $\pm$ 0.755 χ^2/NDF : 1447.1/44

All: 56.699 $\pm$ 0.534 χ^2/NDF : 2736.3/92

- sign 55.235 $\pm$ 0.756 χ^2/NDF : 1281.8/47

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -95.474 ± 0.065 $\chi^2/\text{NDF}: 593833.2/19$

Left Out: -139.040 ± 0.043 $\chi^2/\text{NDF}: 258113.4/24$

Right Out: -93.380 ± 0.059 $\chi^2/\text{NDF}: 641175.2/24$

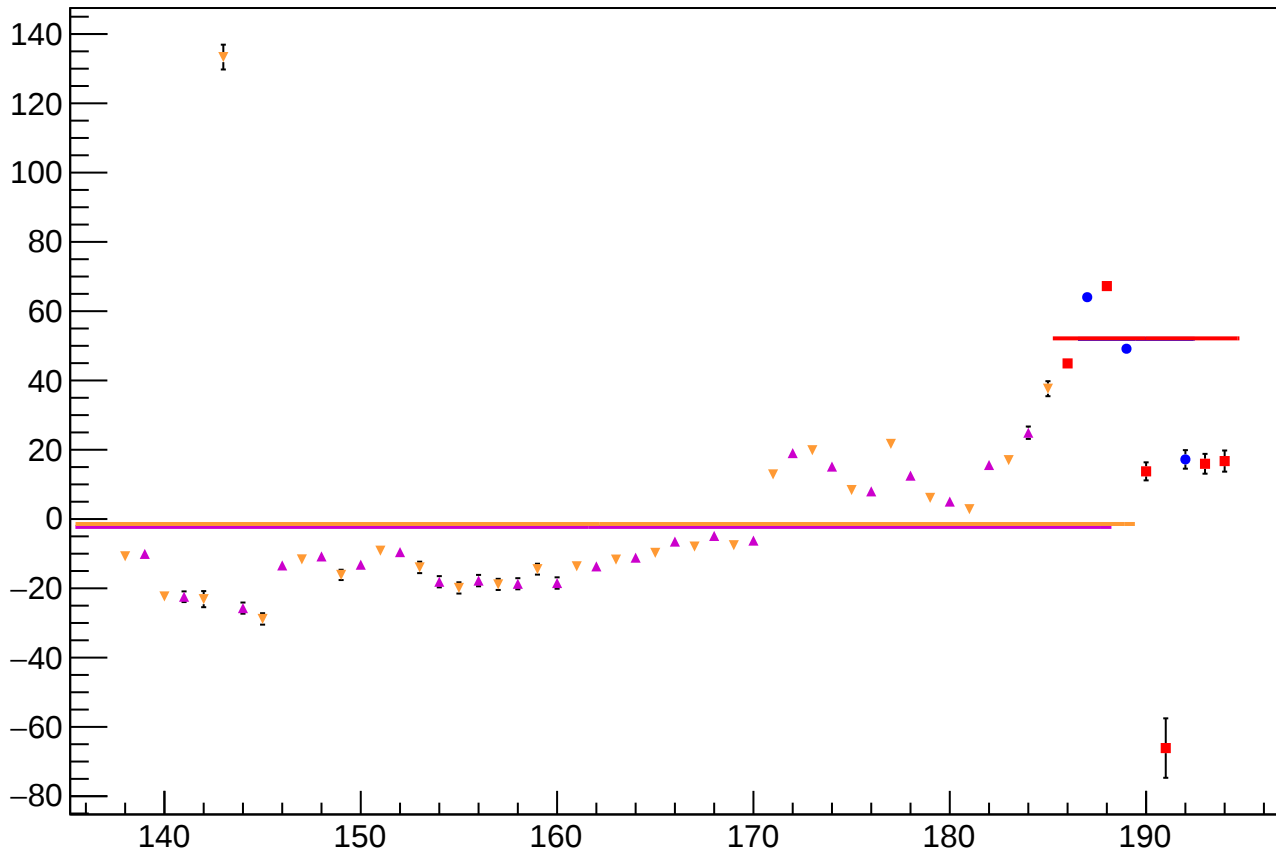
Left In: -142.305 ± 0.044 $\chi^2/\text{NDF}: 143351.8/22$

+ sign -125.864 ± 0.036 $\chi^2/\text{NDF}: 1164298.2/44$

All: -125.347 ± 0.025 $\chi^2/\text{NDF}: 2388948.9/92$

- sign -124.844 ± 0.035 $\chi^2/\text{NDF}: 1224239.5/47$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 52.009 $\pm$ 0.942 χ^2 /NDF: 247.4/2

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 52.151 $\pm$ 0.543 χ^2 /NDF: 1152.2/5

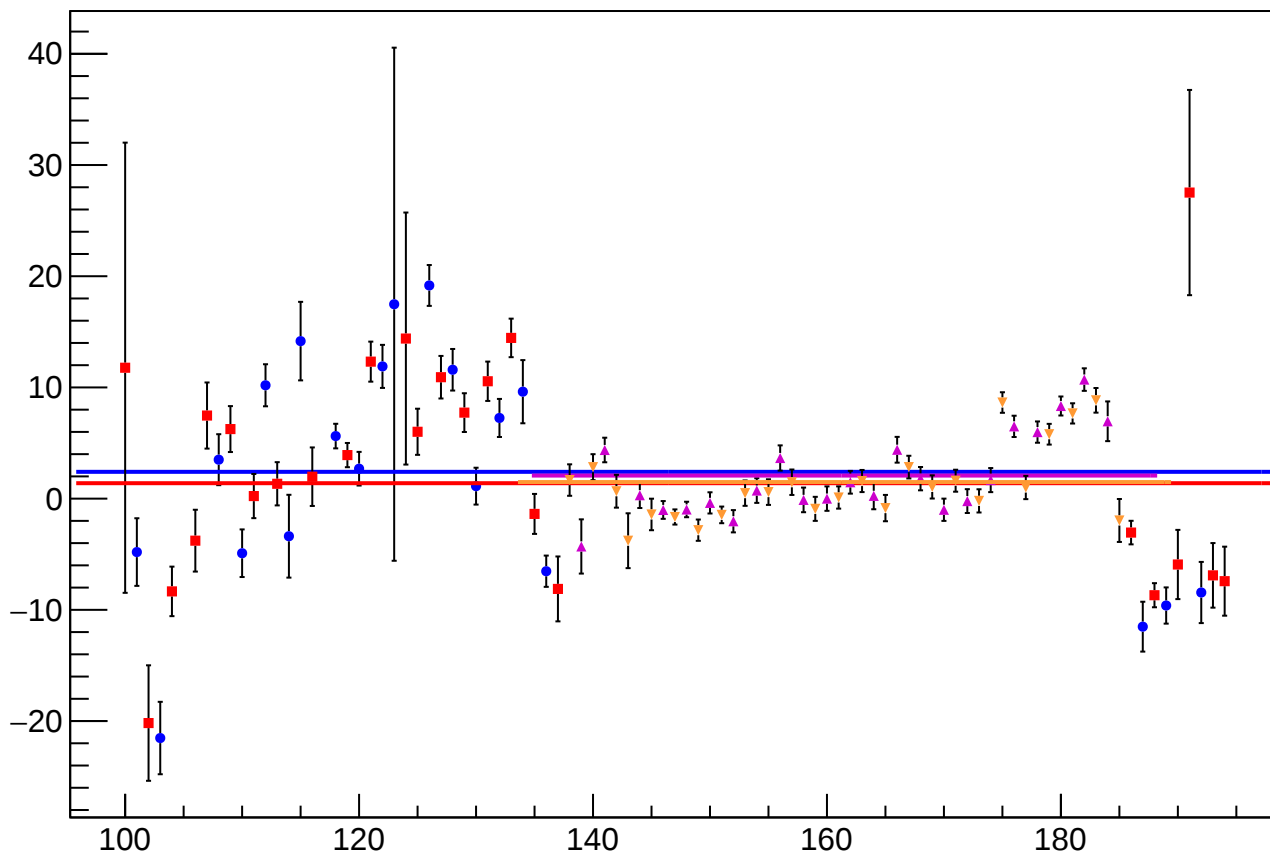
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 2.563 $\pm$ 0.257 χ^2 /NDF: 7563.4/27

All: 5.752 $\pm$ 0.176 χ^2 /NDF: 19578.1/56

- sign 8.575 $\pm$ 0.242 χ^2 /NDF: 11725.5/28

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.410 ± 0.439 $\chi^2/\text{NDF}: 406.4/19$

Left Out: 1.491 ± 0.210 $\chi^2/\text{NDF}: 259.1/24$

Right Out: 1.388 ± 0.391 $\chi^2/\text{NDF}: 367.2/24$

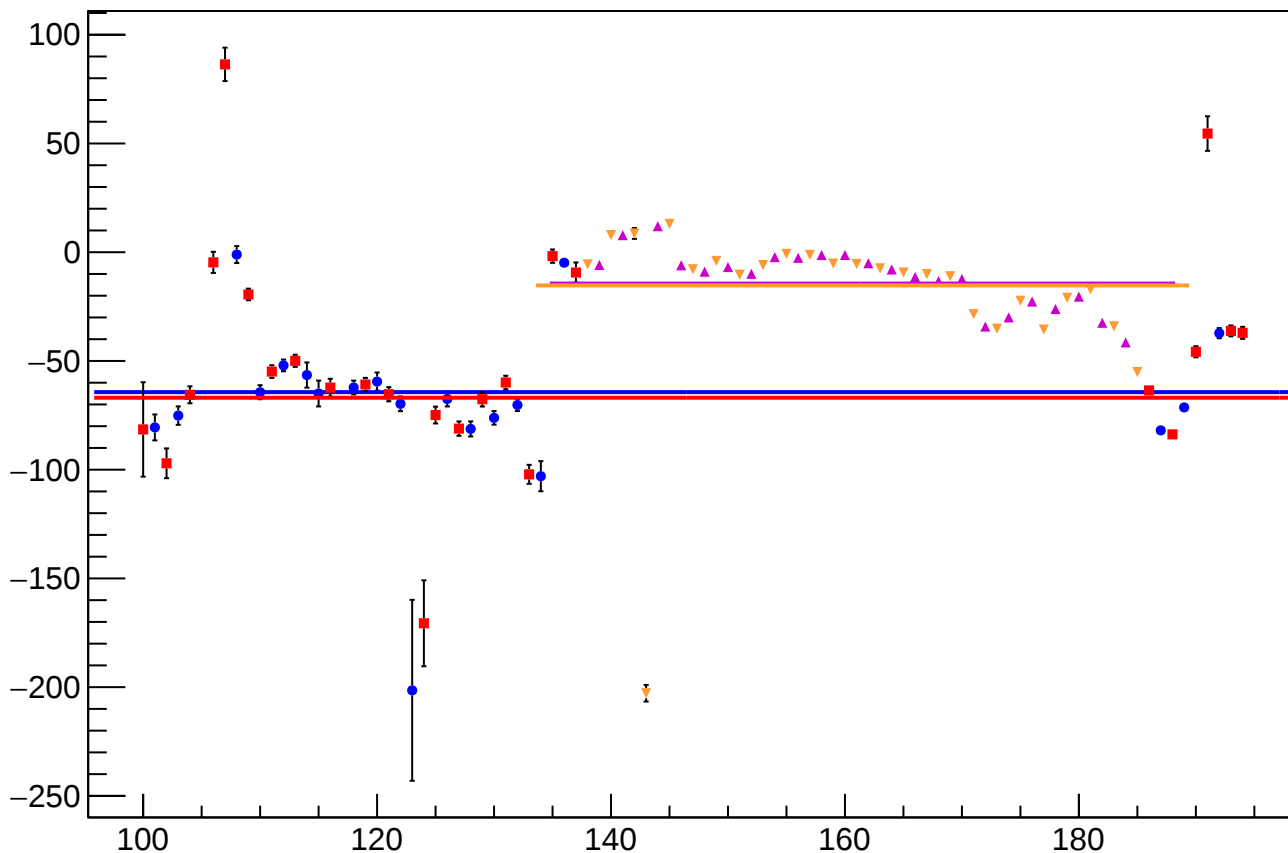
Left In: 2.075 ± 0.215 $\chi^2/\text{NDF}: 274.6/22$

+ sign 1.663 ± 0.190 $\chi^2/\text{NDF}: 669.0/44$

All: 1.790 ± 0.134 $\chi^2/\text{NDF}: 1314.1/92$

- sign 1.915 ± 0.189 $\chi^2/\text{NDF}: 644.1/47$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -64.343 ± 0.583 $\chi^2/\text{NDF}: 1551.4/19$

Left Out: -15.279 ± 0.267 $\chi^2/\text{NDF}: 4820.1/24$

Right Out: -66.916 ± 0.393 $\chi^2/\text{NDF}: 3012.4/24$

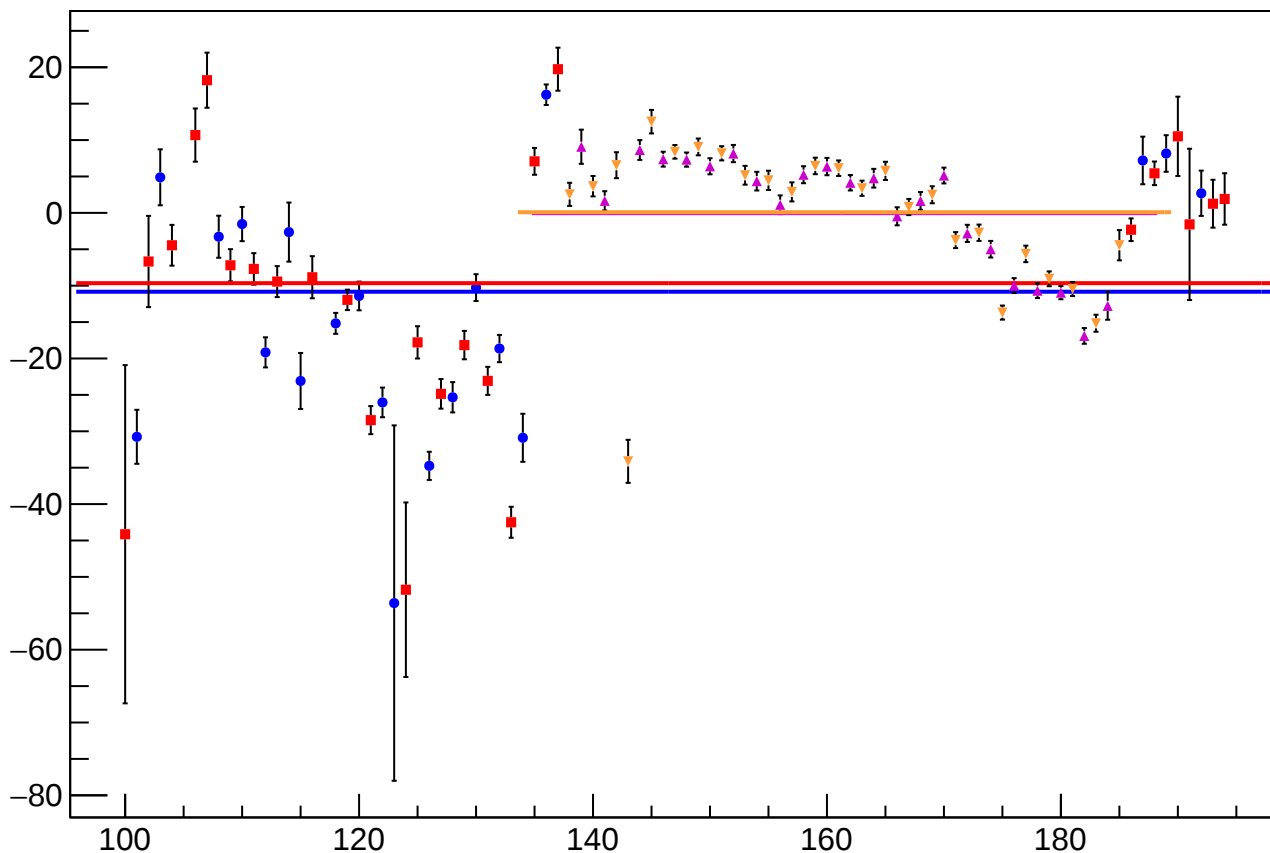
Left In: -14.406 ± 0.269 $\chi^2/\text{NDF}: 2032.4/22$

+ sign -23.785 ± 0.243 $\chi^2/\text{NDF}: 12234.5/44$

All: -27.813 ± 0.164 $\chi^2/\text{NDF}: 29953.7/92$

- sign -31.187 ± 0.222 $\chi^2/\text{NDF}: 17212.4/47$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -10.832 ± 0.512 χ^2/NDF : 896.9/19

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -9.653 ± 0.474 χ^2/NDF : 905.1/24

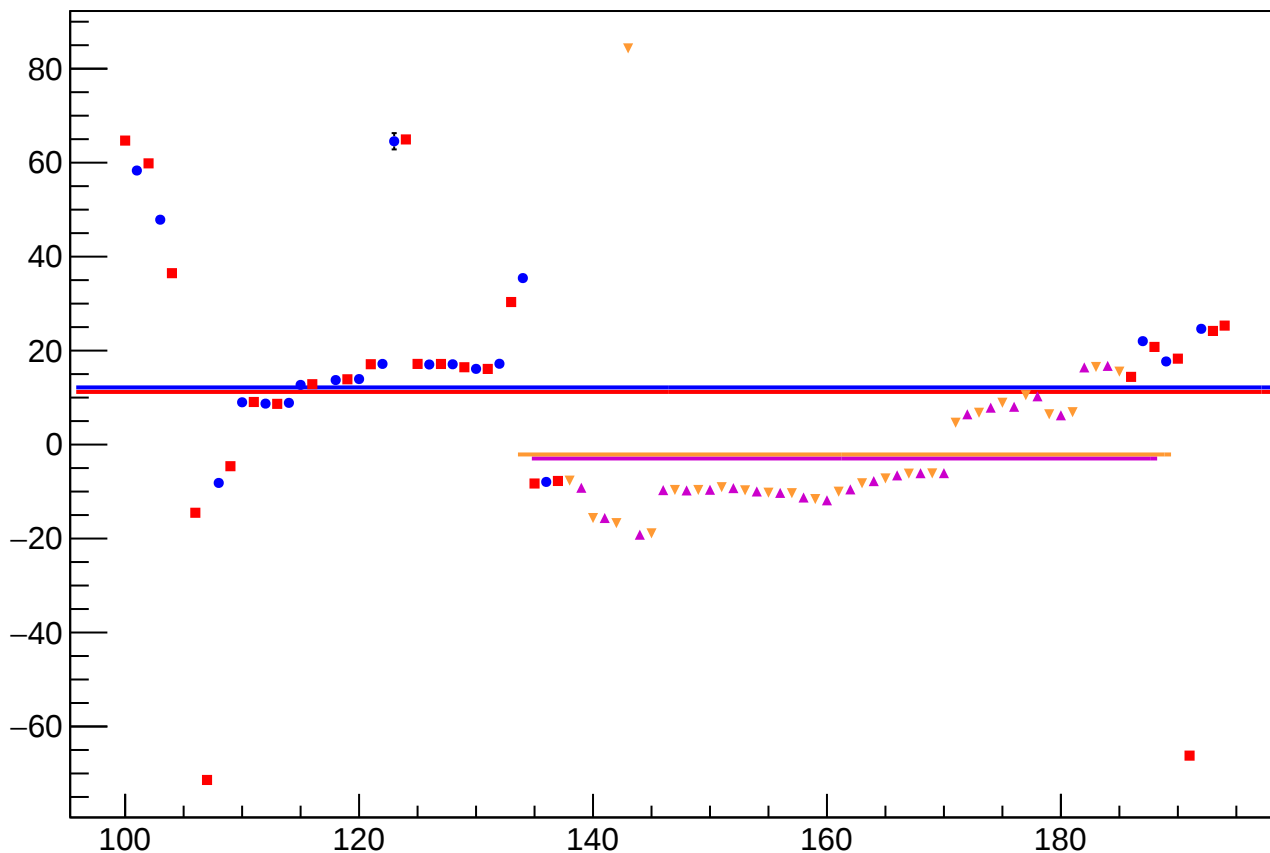
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.857 ± 0.216 χ^2/NDF : 2443.1/44

All: -1.952 ± 0.153 χ^2/NDF : 4702.5/92

- sign -2.047 ± 0.216 χ^2/NDF : 2259.1/47

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 12.165 $\pm$ 0.028 χ^2 /NDF: 405392.5/19

Left Out: -2.105 $\pm$ 0.011 χ^2 /NDF: 1093120.2/24

Right Out: 11.204 $\pm$ 0.026 χ^2 /NDF: 680470.0/24

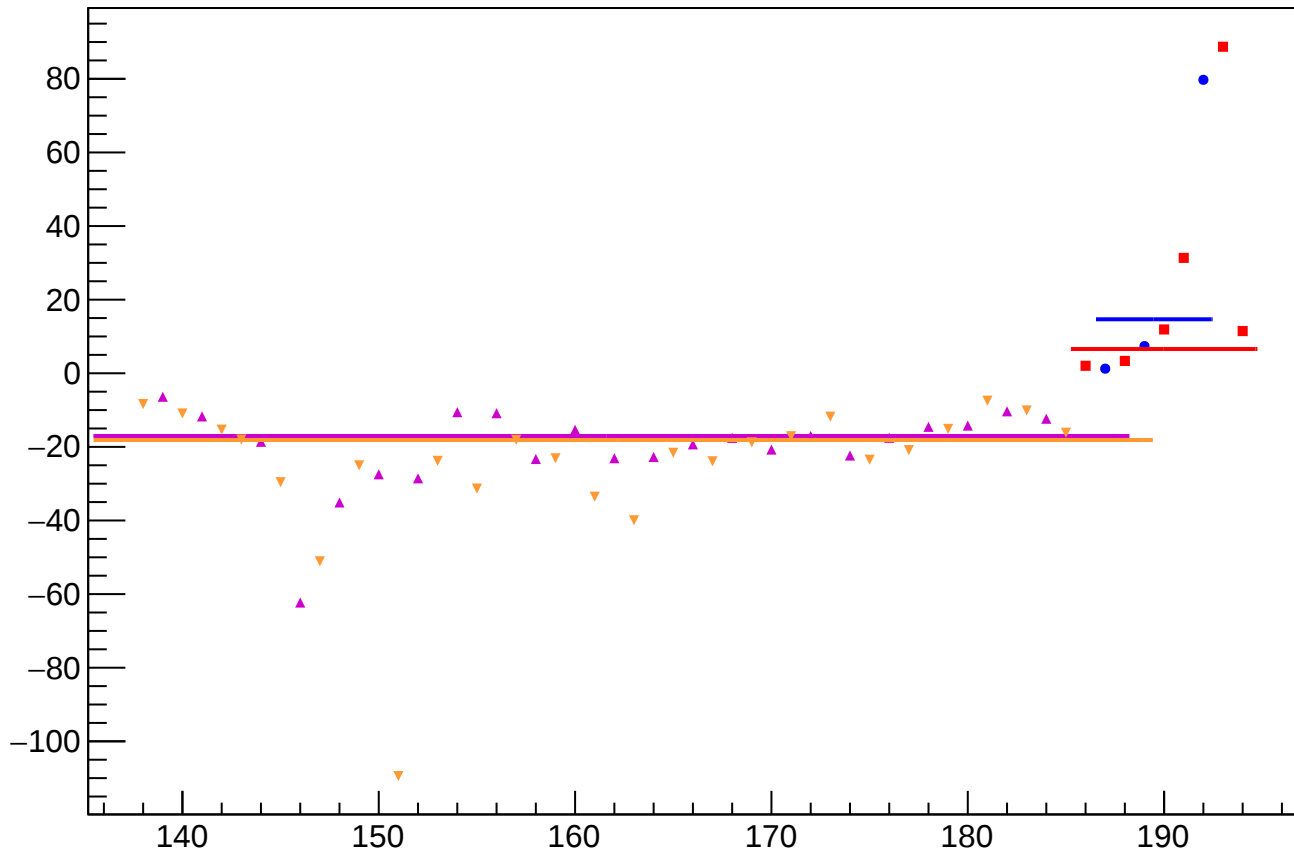
Left In: -2.959 $\pm$ 0.011 χ^2 /NDF: 763000.9/22

+ sign -0.238 $\pm$ 0.010 χ^2 /NDF: 1721796.3/44

All: -0.526 $\pm$ 0.007 χ^2 /NDF: 3418331.3/92

- sign -0.810 $\pm$ 0.010 χ^2 /NDF: 1694952.0/47

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 14.669 $\pm$ 0.174 χ^2 /NDF: 21763.6/2

Left Out: -18.128 $\pm$ 0.039 χ^2 /NDF: 88551.6/24

Right Out: 6.592 $\pm$ 0.087 χ^2 /NDF: 24135.2/5

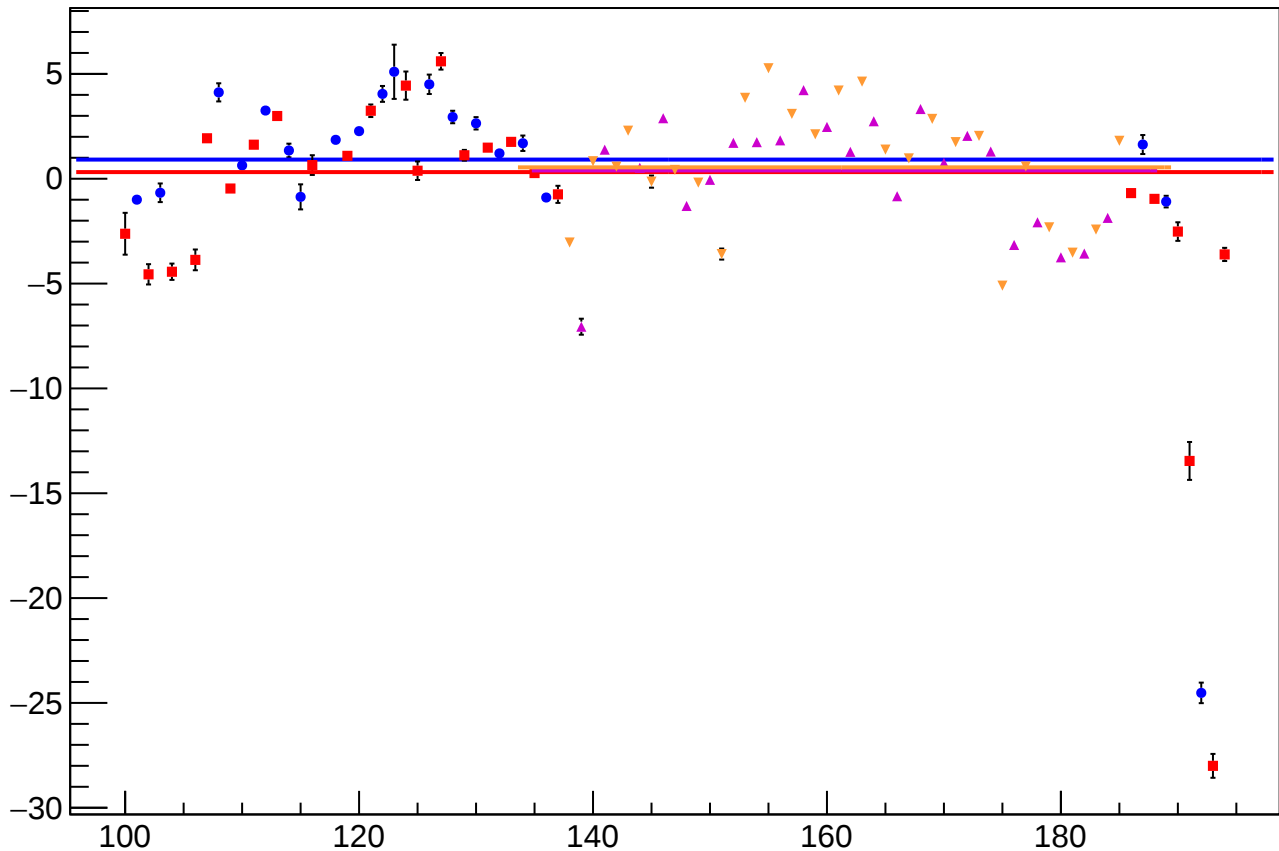
Left In: -17.038 $\pm$ 0.038 χ^2 /NDF: 44141.1/22

+ sign -16.562 $\pm$ 0.038 χ^2 /NDF: 144234.8/27

All: -14.768 $\pm$ 0.026 χ^2 /NDF: 278153.5/56

- sign -13.248 $\pm$ 0.035 χ^2 /NDF: 129798.1/28

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.914 ± 0.060 $\chi^2/\text{NDF}: 3451.1/19$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.317 ± 0.052 $\chi^2/\text{NDF}: 4094.2/24$

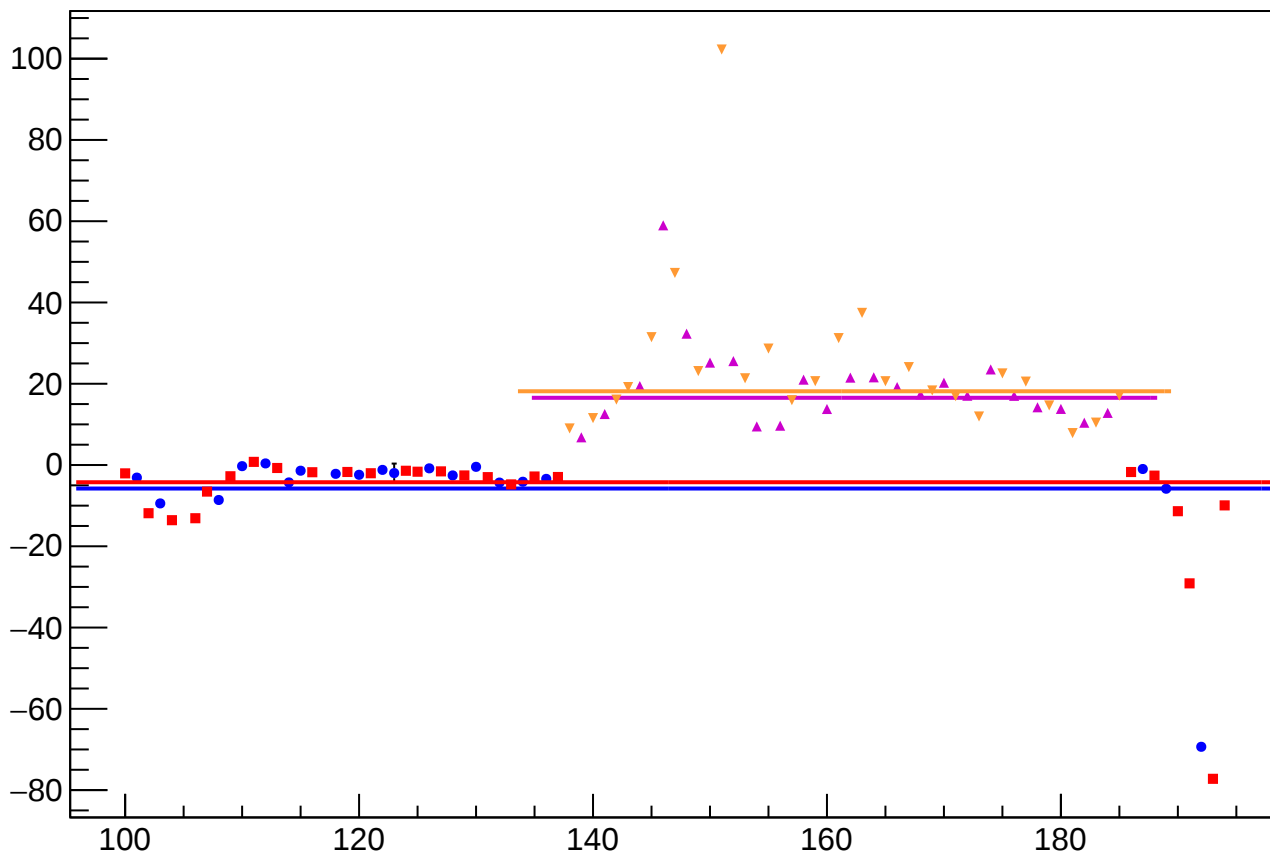
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.628 ± 0.028 $\chi^2/\text{NDF}: 10566.2/44$

All: 0.493 ± 0.019 $\chi^2/\text{NDF}: 20939.7/92$

- sign 0.376 ± 0.026 $\chi^2/\text{NDF}: 10331.6/47$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.787 ± 0.089 $\chi^2/\text{NDF}: 25375.2/19$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.237 ± 0.058 $\chi^2/\text{NDF}: 25938.2/24$

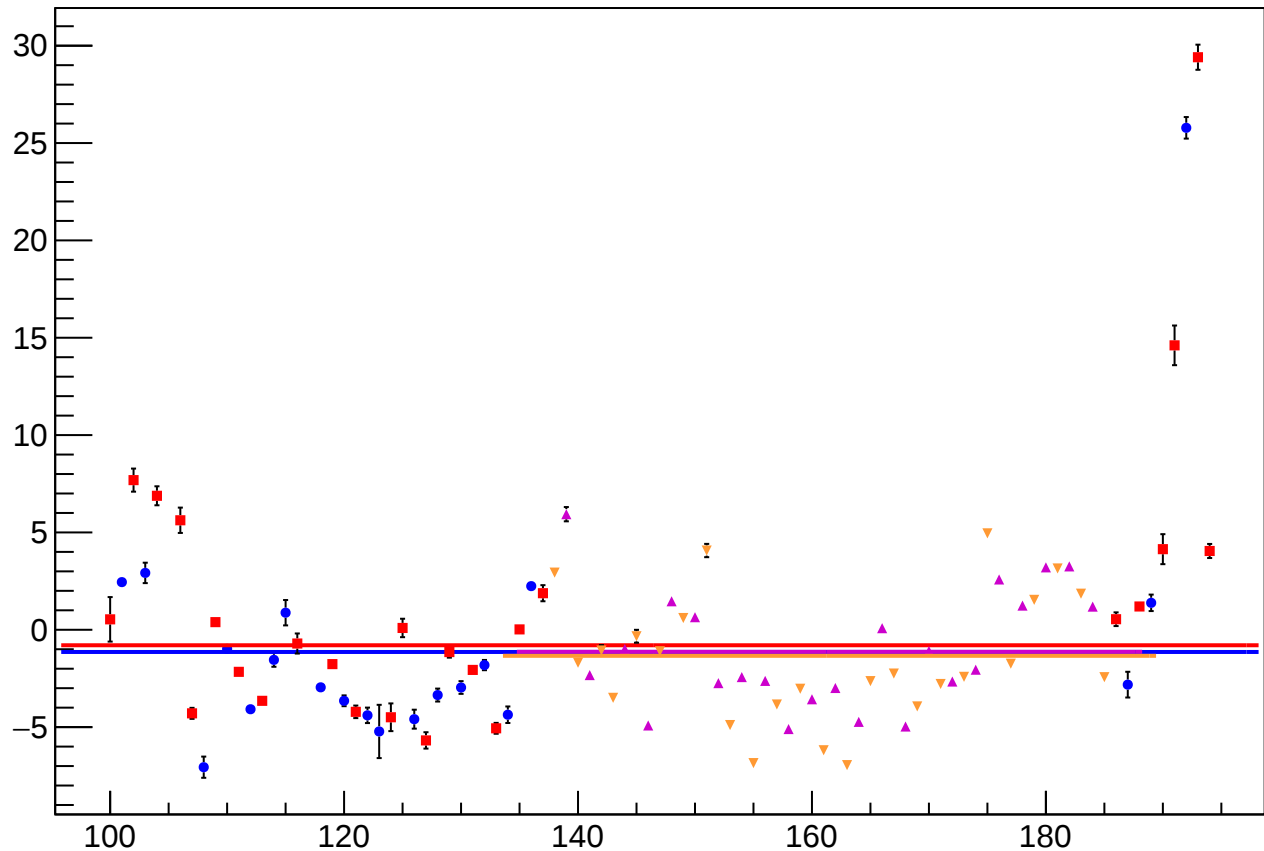
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 14.244 ± 0.036 $\chi^2/\text{NDF}: 164408.1/44$

All: 12.065 ± 0.024 $\chi^2/\text{NDF}: 327951.8/92$

- sign 10.359 ± 0.032 $\chi^2/\text{NDF}: 156925.9/47$

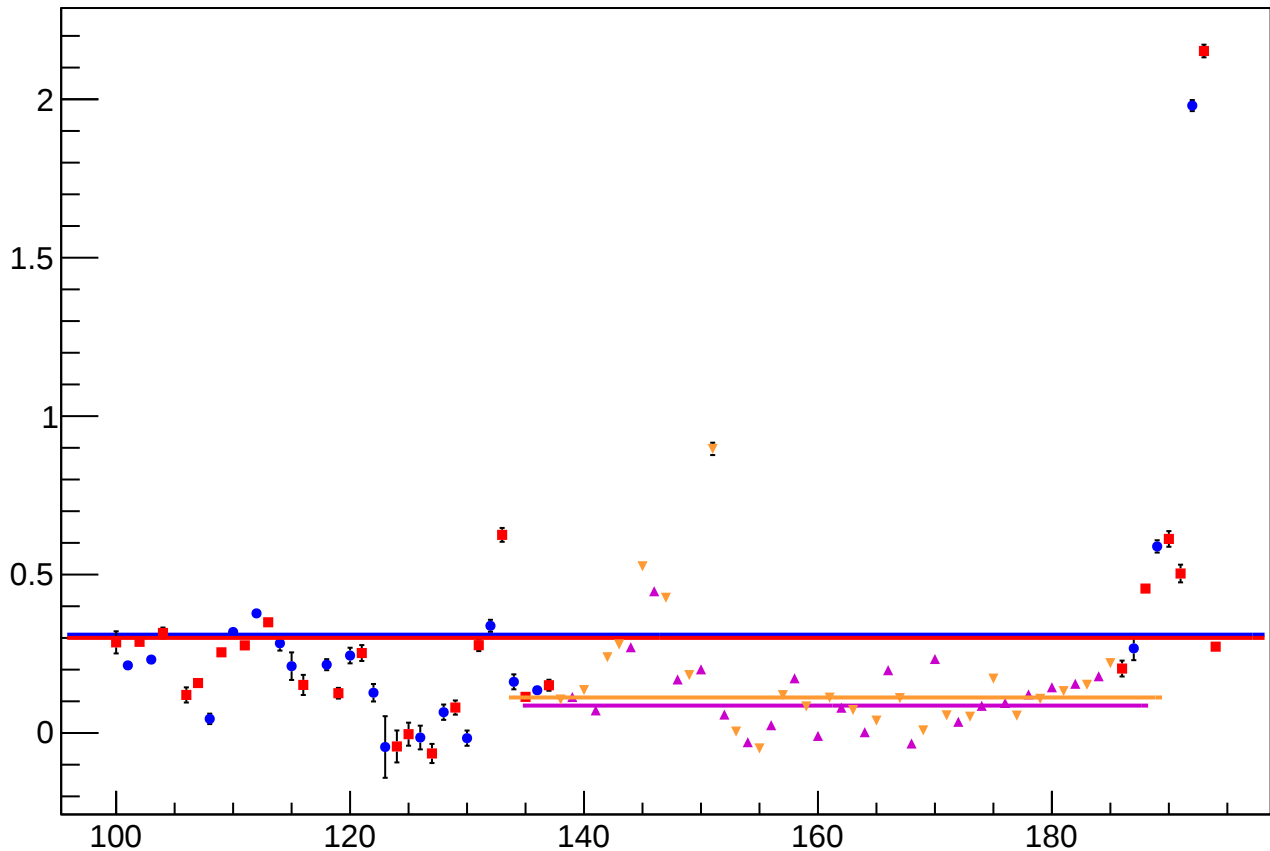
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.140 ± 0.069 $\chi^2/\text{NDF}: 3712.9/19$
 Left Out: -1.338 ± 0.036 $\chi^2/\text{NDF}: 7943.1/24$
 Right Out: -0.795 ± 0.061 $\chi^2/\text{NDF}: 4363.4/24$
 Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6740.3/22$

+ sign -1.296 ± 0.032 $\chi^2/\text{NDF}: 11662.3/44$
 All: -1.164 ± 0.022 $\chi^2/\text{NDF}: 22820.8/92$
 - sign -1.049 ± 0.030 $\chi^2/\text{NDF}: 11126.6/47$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.310 ± 0.004 $\chi^2/\text{NDF}: 10610.1/19$

Left Out: 0.112 ± 0.002 $\chi^2/\text{NDF}: 4503.9/24$

Right Out: 0.300 ± 0.003 $\chi^2/\text{NDF}: 10466.0/24$

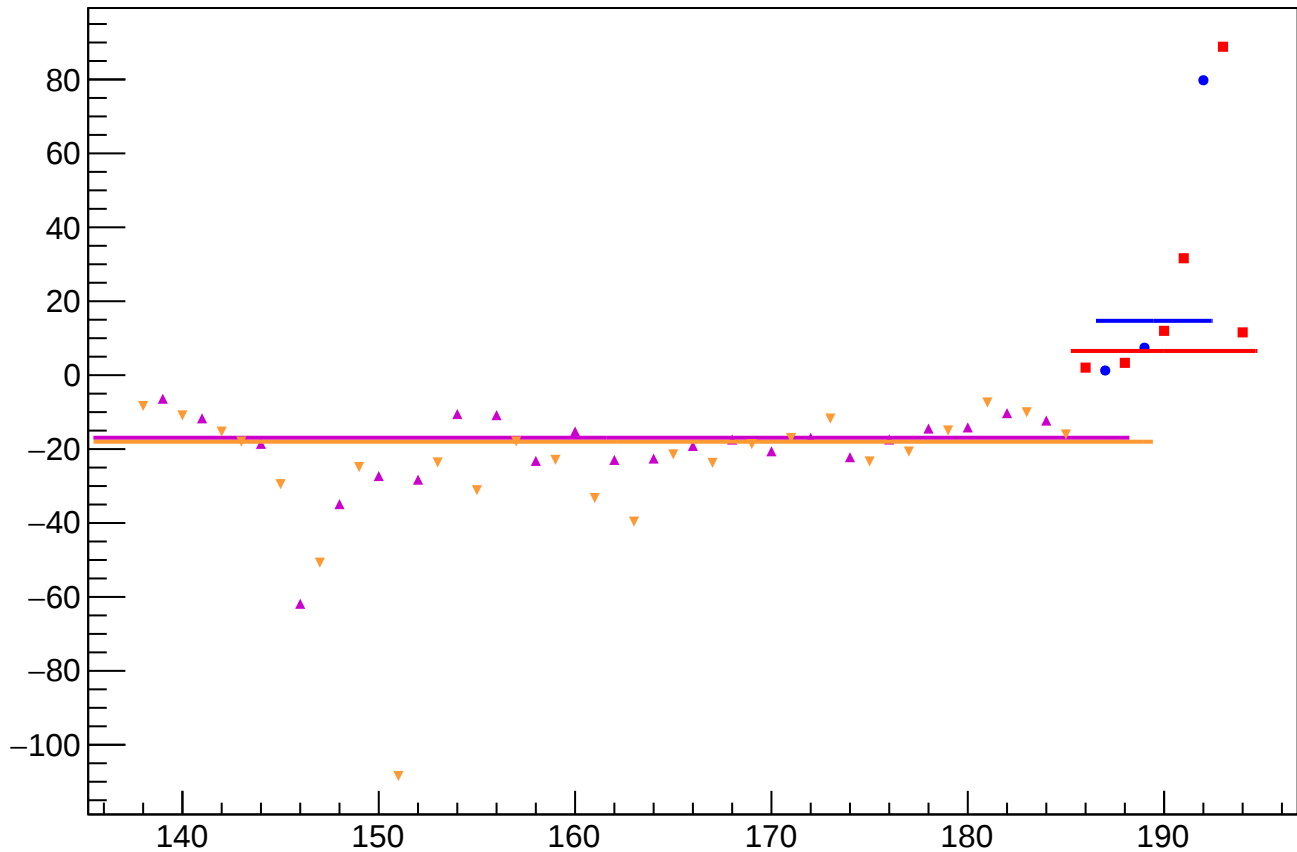
Left In: 0.087 ± 0.002 $\chi^2/\text{NDF}: 3655.4/22$

+ sign 0.140 ± 0.001 $\chi^2/\text{NDF}: 17286.0/44$

All: 0.132 ± 0.001 $\chi^2/\text{NDF}: 35052.1/92$

- sign 0.124 ± 0.001 $\chi^2/\text{NDF}: 17703.4/47$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 14.699 ± 0.173 $\chi^2/\text{NDF}: 21937.8/2$

Left Out: -18.005 ± 0.039 $\chi^2/\text{NDF}: 88391.0/24$

Right Out: 6.549 ± 0.086 $\chi^2/\text{NDF}: 24491.7/5$

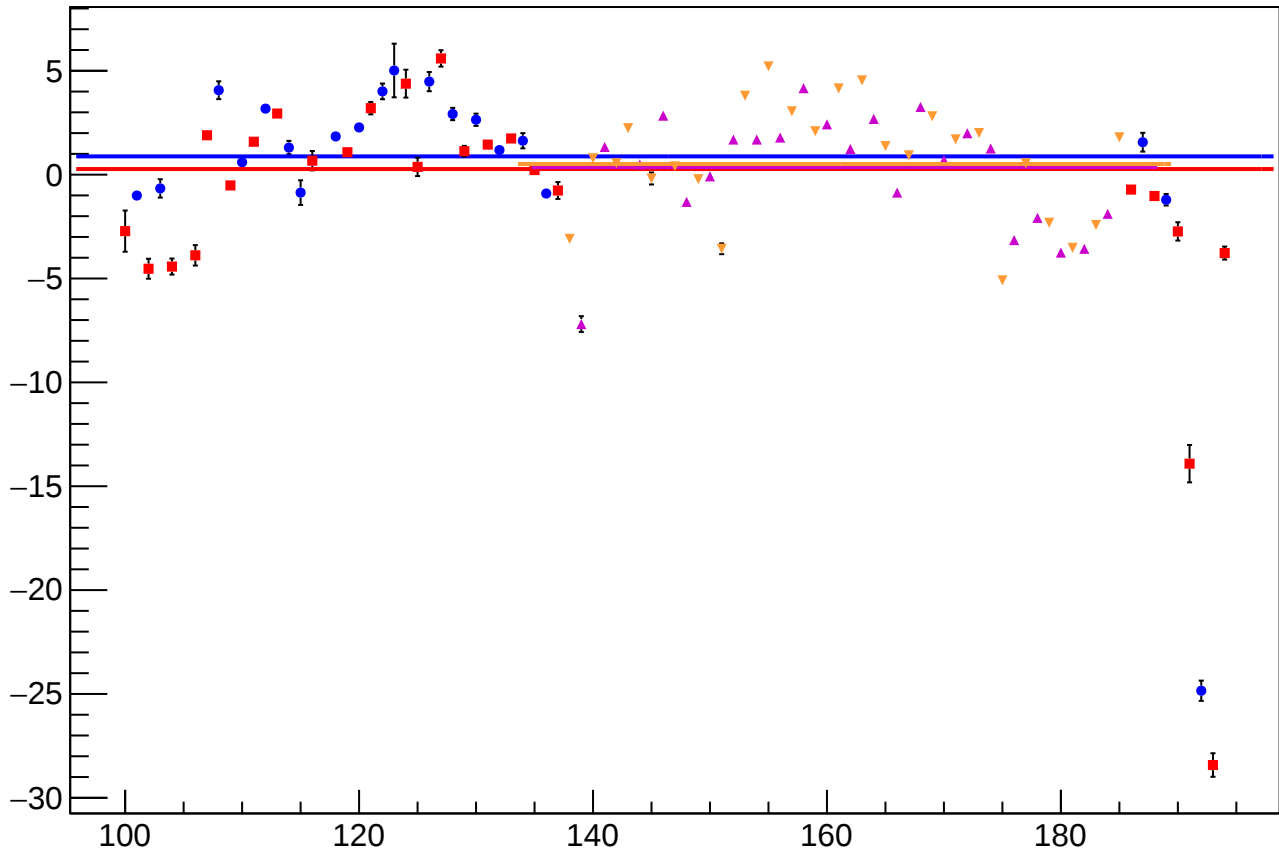
Left In: -16.934 ± 0.038 $\chi^2/\text{NDF}: 44060.6/22$

+ sign -16.452 ± 0.038 $\chi^2/\text{NDF}: 144336.0/27$

All: -14.660 ± 0.026 $\chi^2/\text{NDF}: 279036.2/56$

- sign -13.142 ± 0.035 $\chi^2/\text{NDF}: 130530.0/28$

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.879 ± 0.059 χ^2/NDF : 3537.9/19

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.270 ± 0.052 χ^2/NDF : 4231.3/24

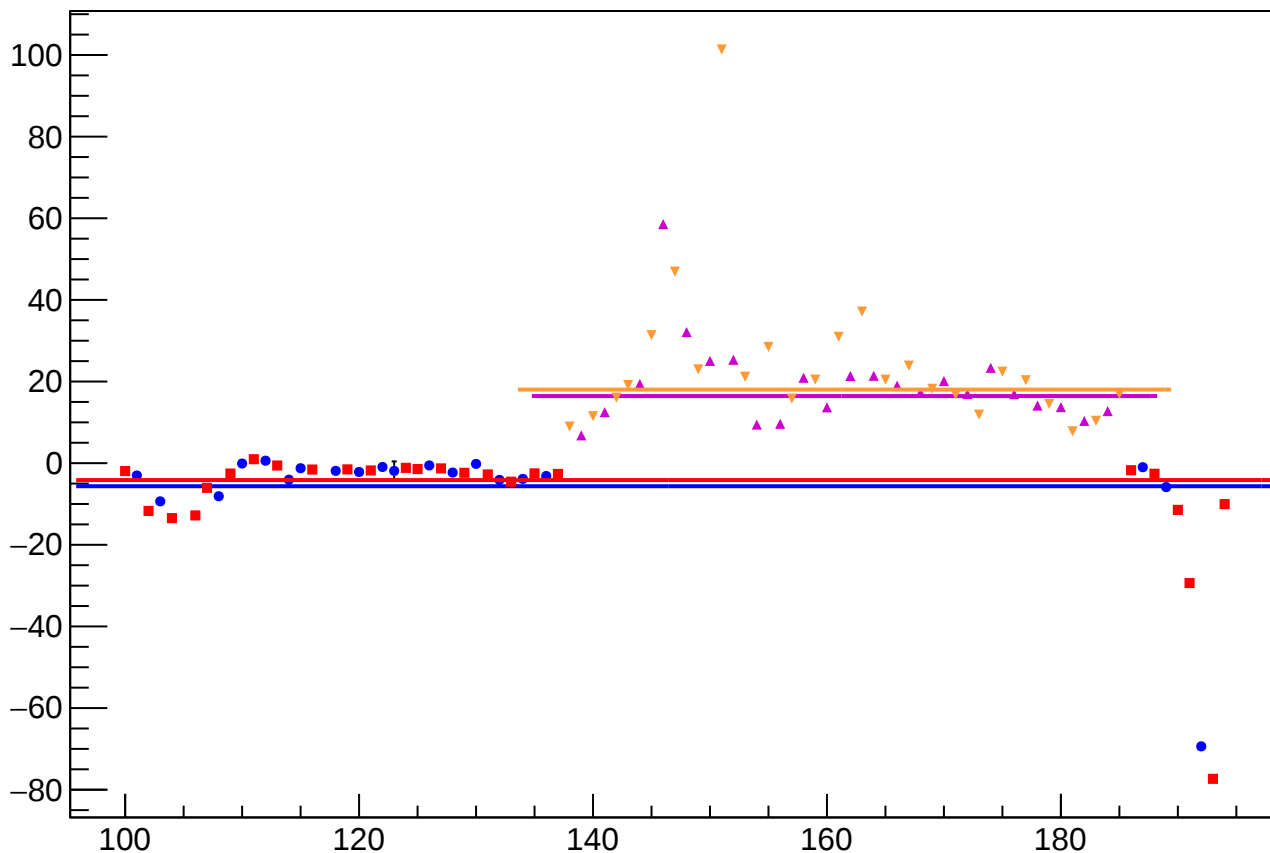
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.595 ± 0.028 χ^2/NDF : 10637.9/44

All: 0.456 ± 0.019 χ^2/NDF : 21137.4/92

- sign 0.336 ± 0.026 χ^2/NDF : 10454.6/47

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.650 ± 0.088 $\chi^2/\text{NDF}: 25716.4/19$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -4.142 ± 0.057 $\chi^2/\text{NDF}: 26371.0/24$

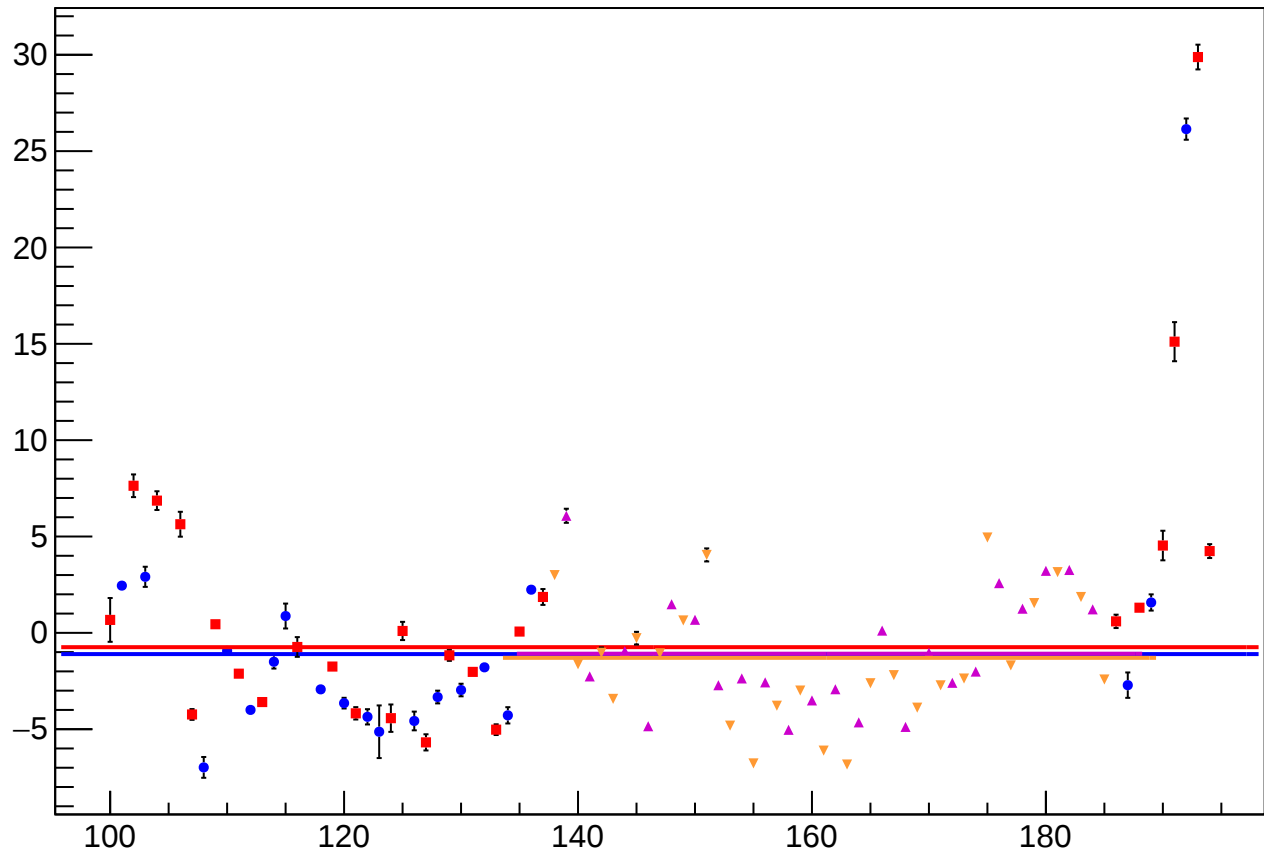
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 14.178 ± 0.036 $\chi^2/\text{NDF}: 163894.4/44$

All: 12.000 ± 0.024 $\chi^2/\text{NDF}: 327663.3/92$

- sign 10.297 ± 0.031 $\chi^2/\text{NDF}: 157069.6/47$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.102 ± 0.069 χ^2/NDF : 3789.0/19

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.743 ± 0.061 χ^2/NDF : 4497.4/24

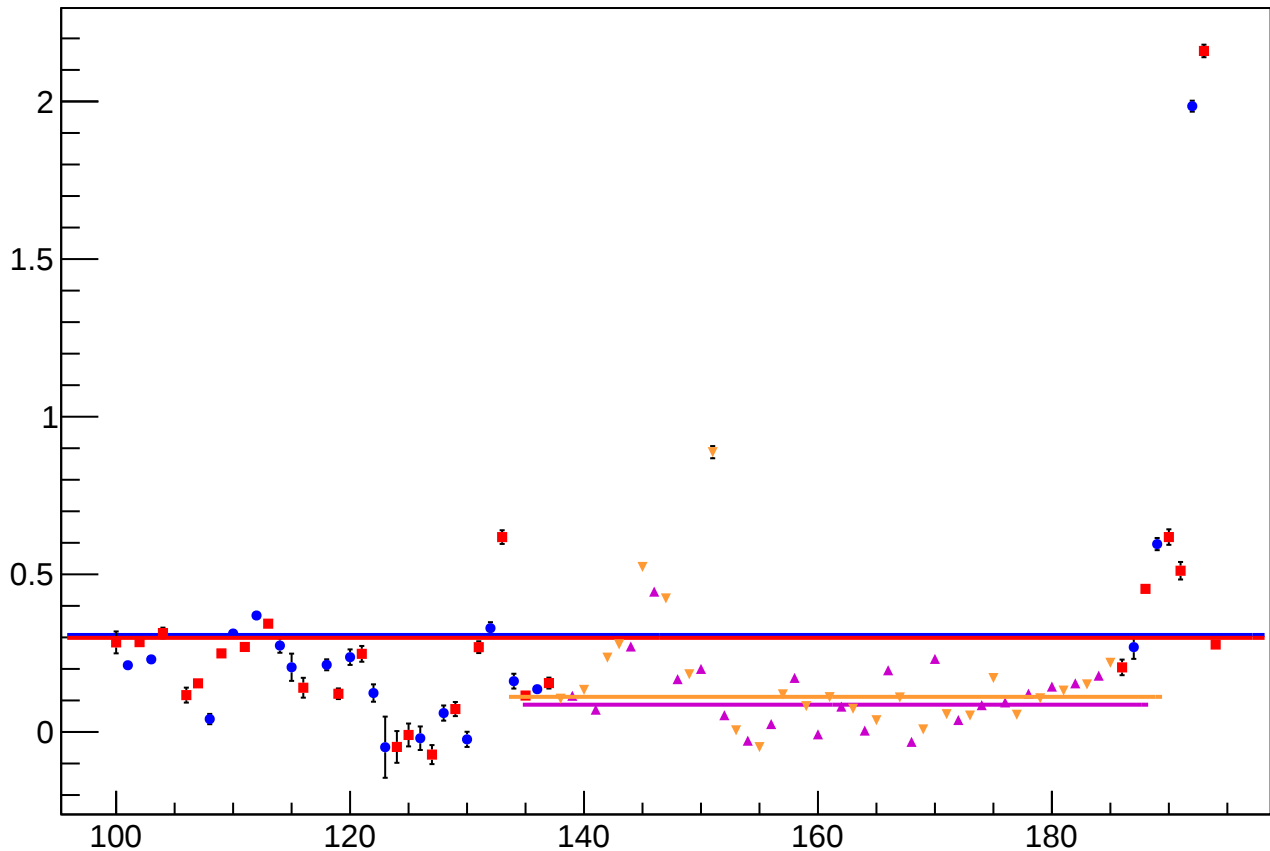
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.256 ± 0.032 χ^2/NDF : 11720.5/44

All: -1.120 ± 0.022 χ^2/NDF : 23000.4/92

- sign -1.001 ± 0.030 χ^2/NDF : 11245.3/47

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.308 ± 0.004 χ^2/NDF : 10775.0/19

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.299 ± 0.003 χ^2/NDF : 10652.2/24

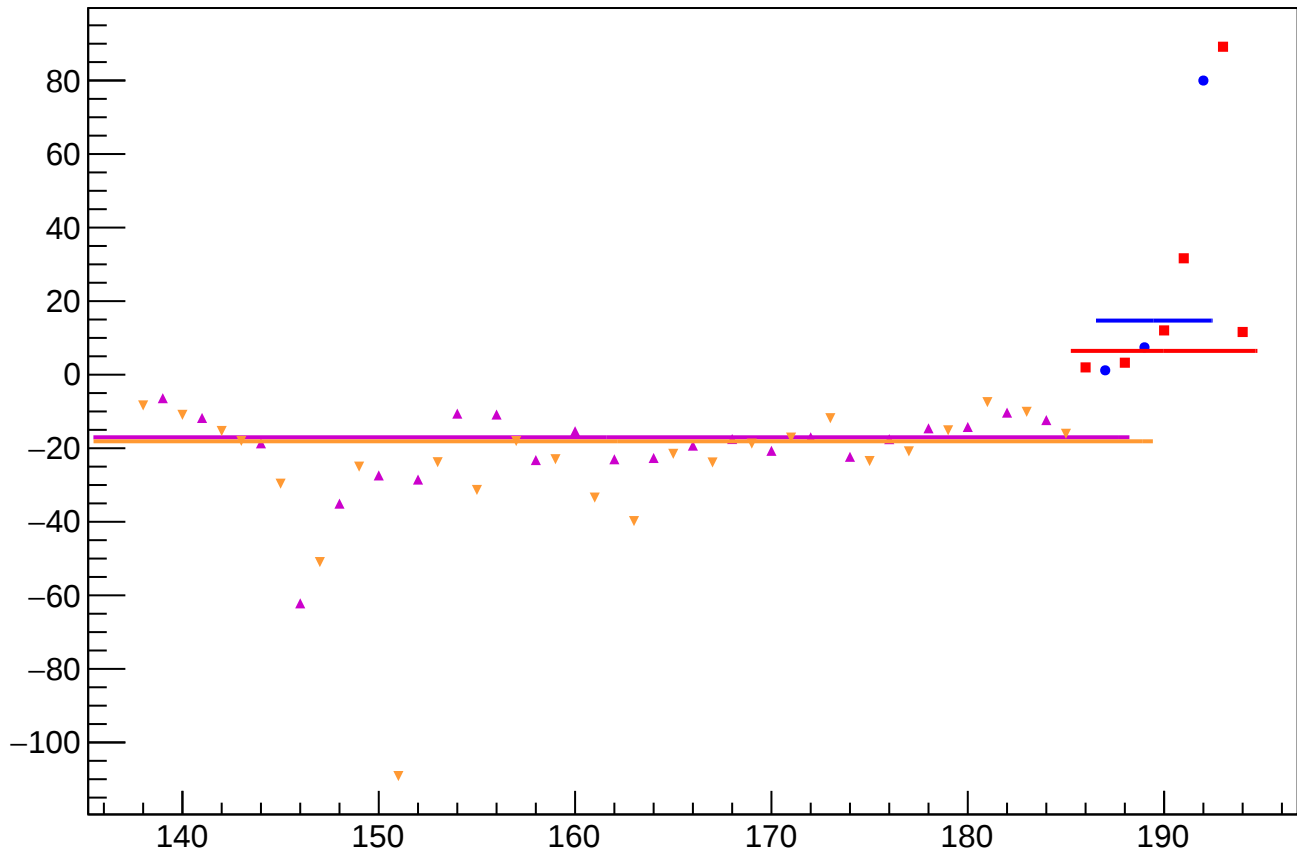
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.139 ± 0.001 χ^2/NDF : 17422.1/44

All: 0.131 ± 0.001 χ^2/NDF : 35323.1/92

- sign 0.124 ± 0.001 χ^2/NDF : 17843.0/47

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 14.711 $\pm$ 0.174 χ^2 /NDF: 21935.0/2

Left Out: -18.112 $\pm$ 0.039 χ^2 /NDF: 88529.7/24

Right Out: 6.470 $\pm$ 0.086 χ^2 /NDF: 24521.8/5

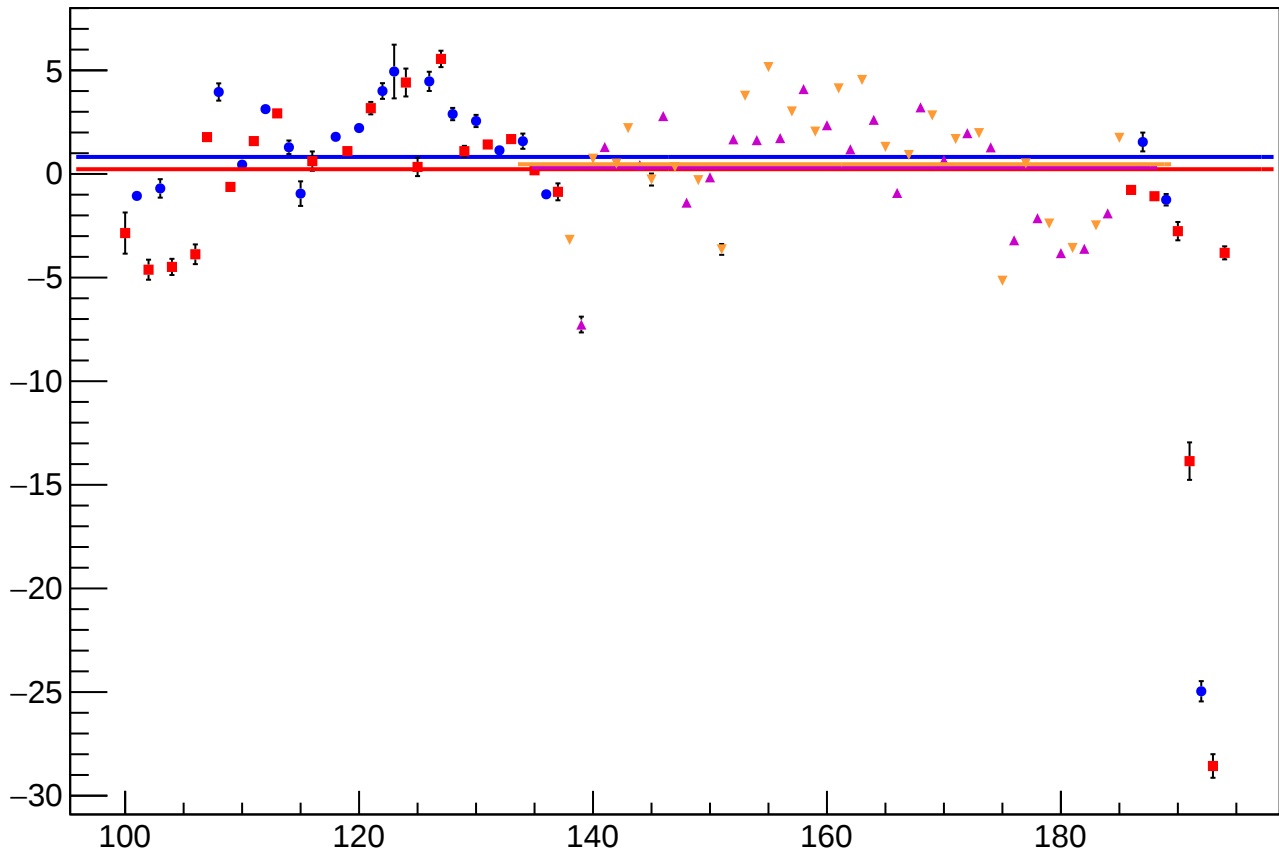
Left In: -17.024 $\pm$ 0.038 χ^2 /NDF: 44141.8/22

+ sign -16.553 $\pm$ 0.038 χ^2 /NDF: 144459.5/27

All: -14.736 $\pm$ 0.026 χ^2 /NDF: 279409.6/56

- sign -13.200 $\pm$ 0.035 χ^2 /NDF: 130703.7/28

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.821 ± 0.060 χ^2/NDF : 3535.8/19

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.229 ± 0.052 χ^2/NDF : 4229.9/24

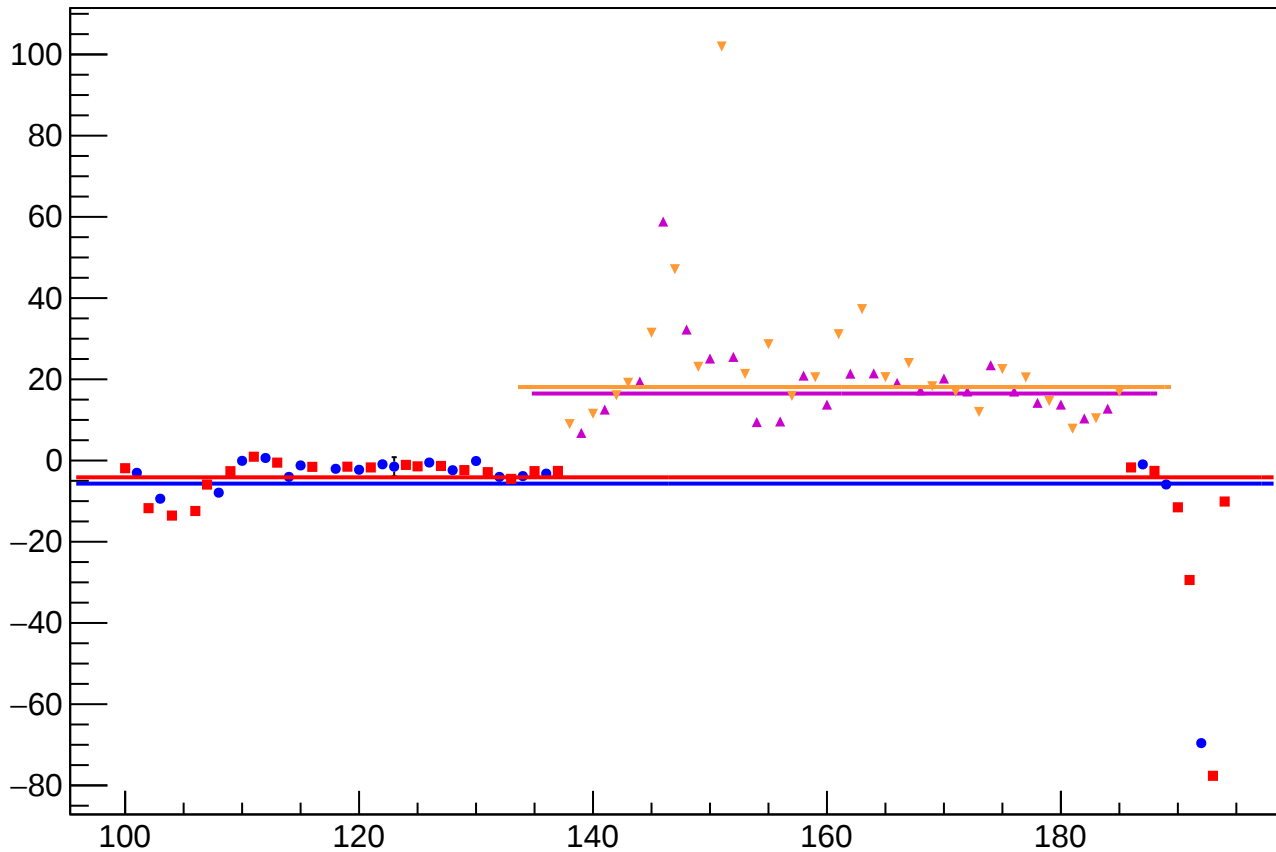
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.549 ± 0.028 χ^2/NDF : 10655.8/44

All: 0.409 ± 0.019 χ^2/NDF : 21115.6/92

- sign 0.289 ± 0.026 χ^2/NDF : 10414.9/47

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -5.684 ± 0.089 $\chi^2/\text{NDF}: 25695.9/19$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.136 ± 0.058 $\chi^2/\text{NDF}: 26361.4/24$

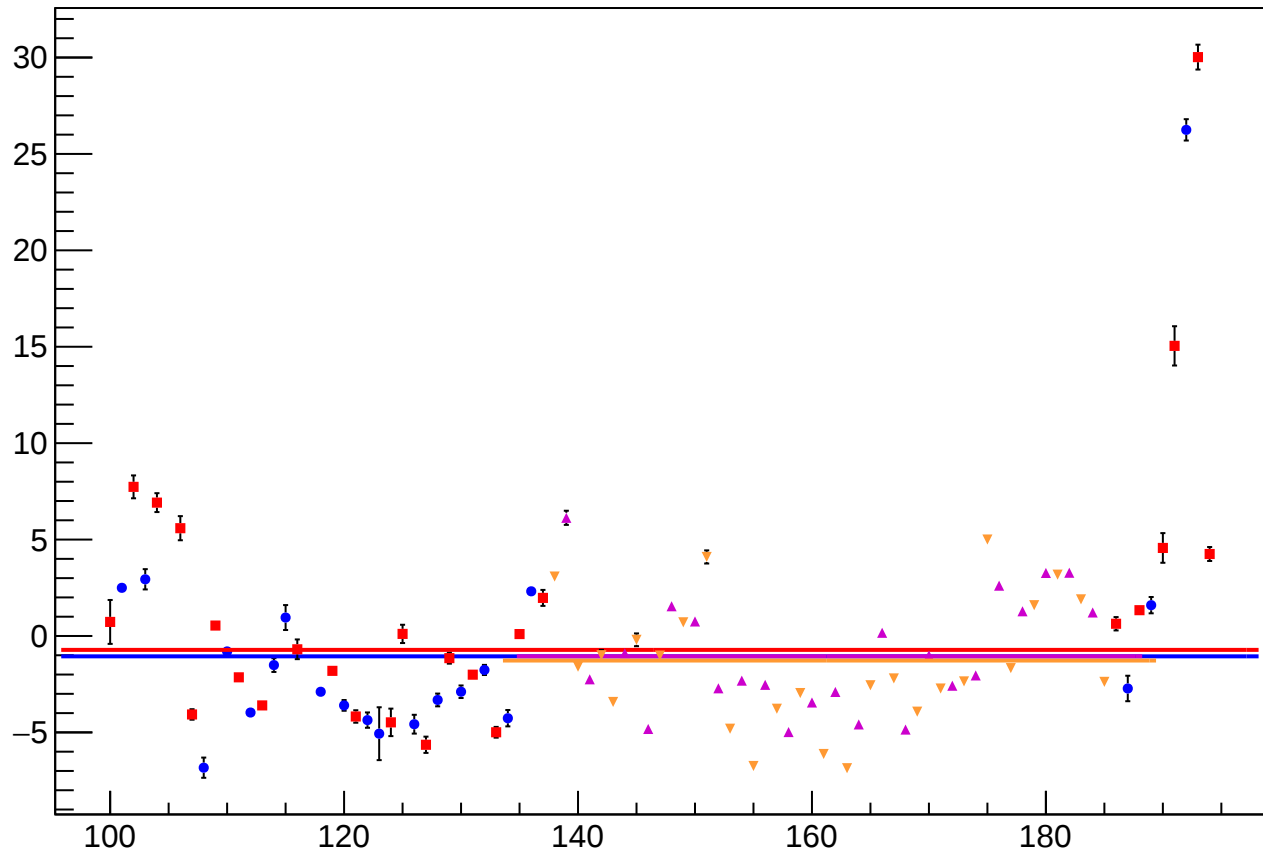
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 14.238 ± 0.036 $\chi^2/\text{NDF}: 163979.3/44$

All: 12.032 ± 0.024 $\chi^2/\text{NDF}: 328001.8/92$

- sign 10.312 ± 0.032 $\chi^2/\text{NDF}: 157218.8/47$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.056 ± 0.069 χ^2/NDF : 3788.2/19

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.721 ± 0.061 χ^2/NDF : 4498.5/24

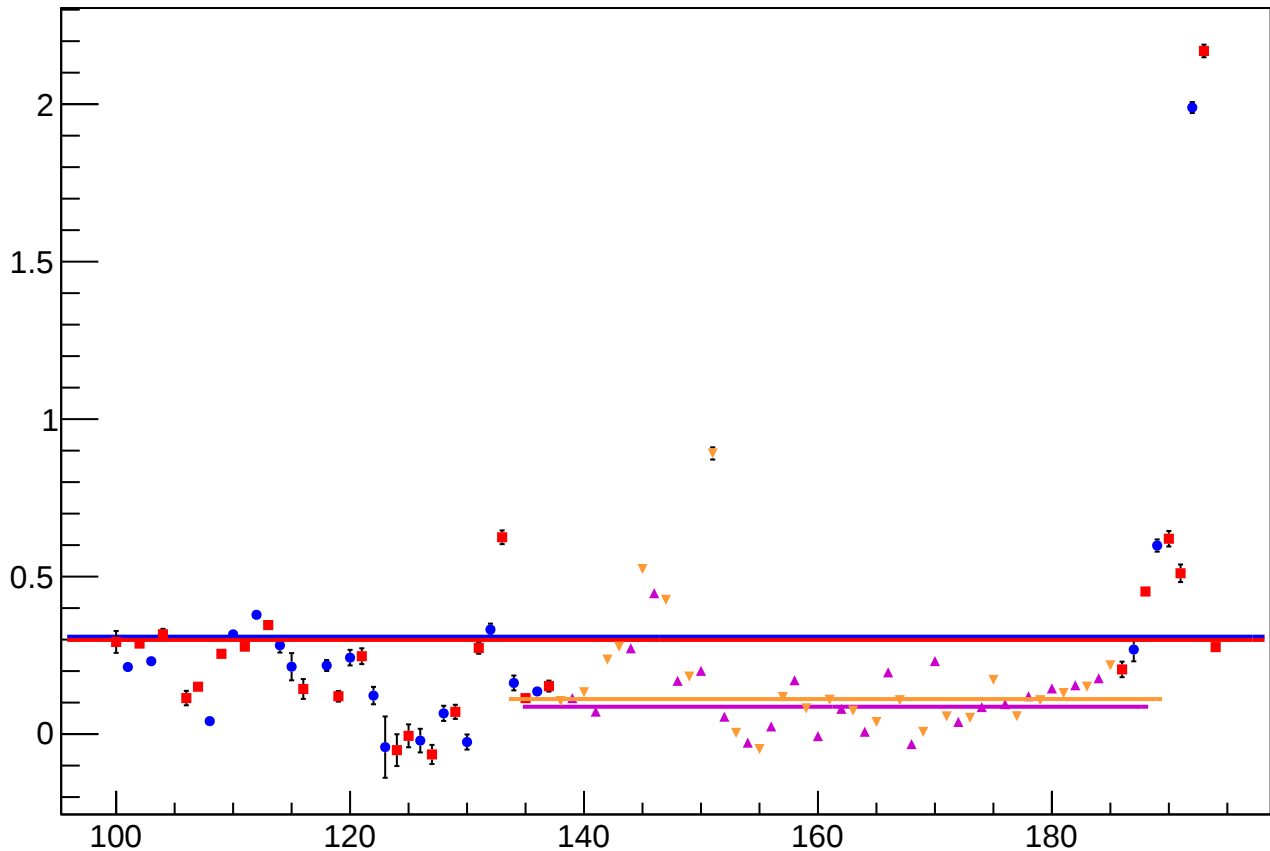
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.227 ± 0.032 χ^2/NDF : 11747.5/44

All: -1.091 ± 0.022 χ^2/NDF : 22976.4/92

- sign -0.972 ± 0.030 χ^2/NDF : 11194.3/47

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.309 ± 0.004 χ^2/NDF : 10774.4/19

Left Out: 0.111 ± 0.002 χ^2/NDF : 4474.5/24

Right Out: 0.299 ± 0.003 χ^2/NDF : 10674.0/24

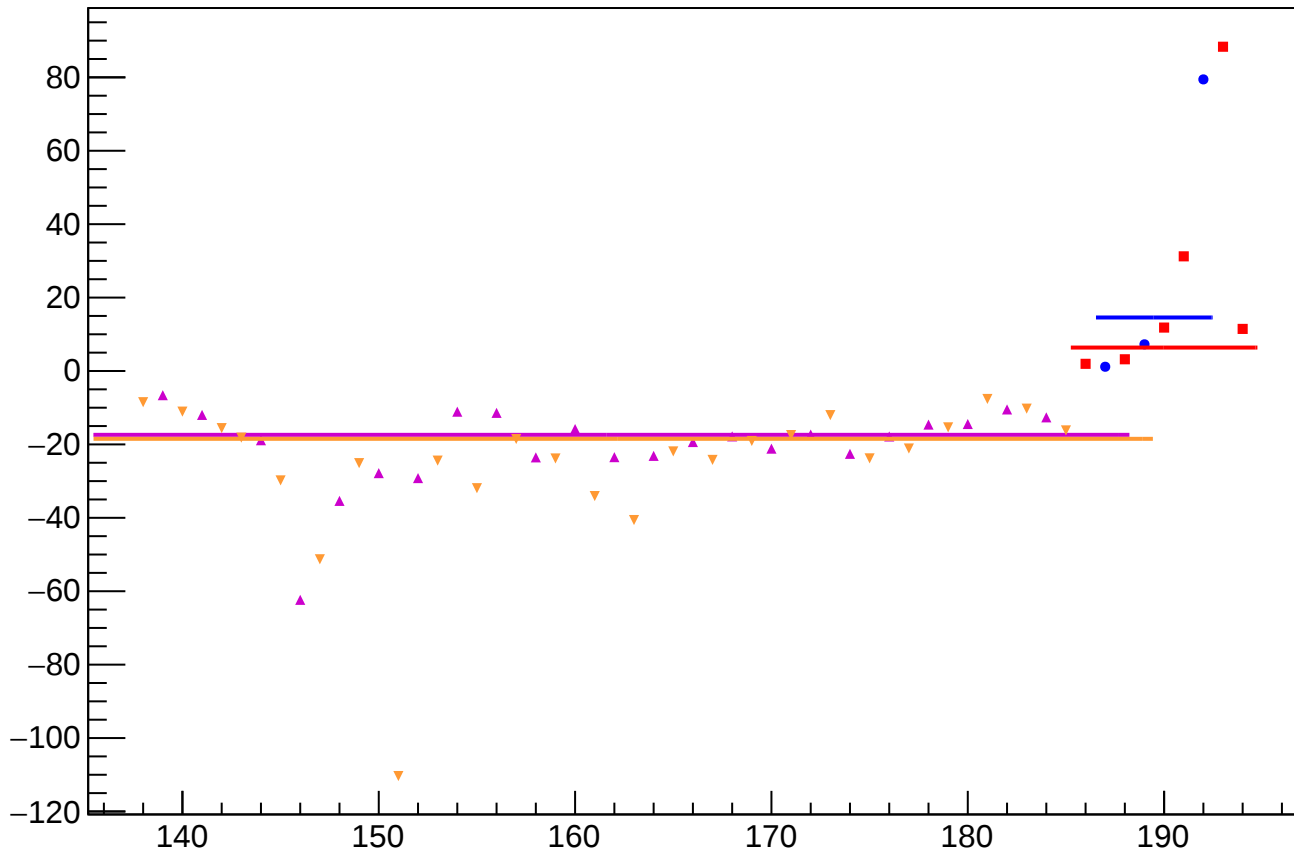
Left In: 0.087 ± 0.001 χ^2/NDF : 3598.5/22

+ sign 0.139 ± 0.001 χ^2/NDF : 17422.2/44

All: 0.131 ± 0.001 χ^2/NDF : 35301.8/92

- sign 0.124 ± 0.001 χ^2/NDF : 17824.8/47

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 14.577+/-0.174 χ^2/NDF : 21562.9/2

Left Out: -18.479+/-0.040 χ^2/NDF : 87883.4/24

Right Out: 6.384+/-0.087 χ^2/NDF : 24001.4/5

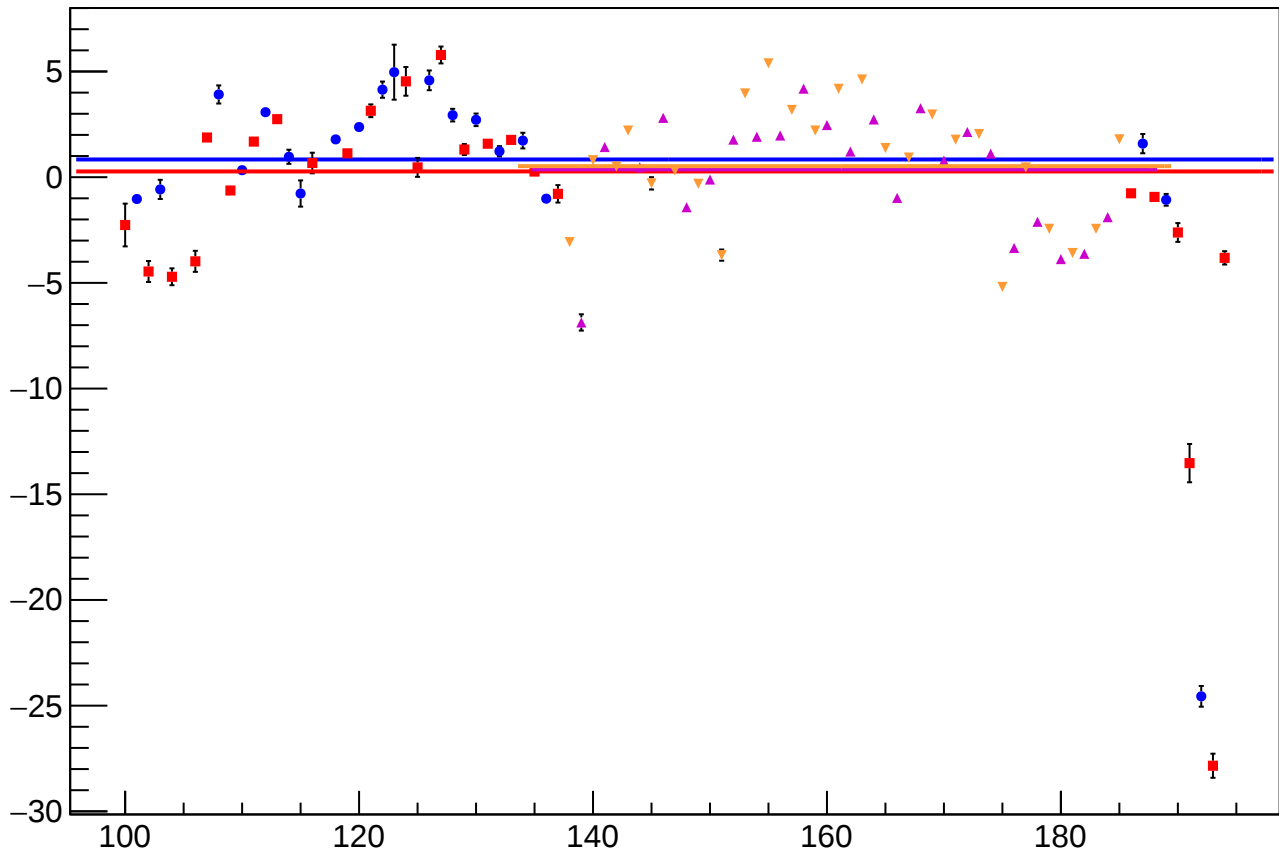
Left In: -17.393+/-0.039 χ^2/NDF : 43178.9/22

+ sign -16.849+/-0.039 χ^2/NDF : 143632.8/27

All: -14.970+/-0.026 χ^2/NDF : 277894.0/56

- sign -13.388+/-0.036 χ^2/NDF : 129920.8/28

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.838 ± 0.061 $\chi^2/\text{NDF}: 3430.7/19$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.272 ± 0.053 $\chi^2/\text{NDF}: 4051.9/24$

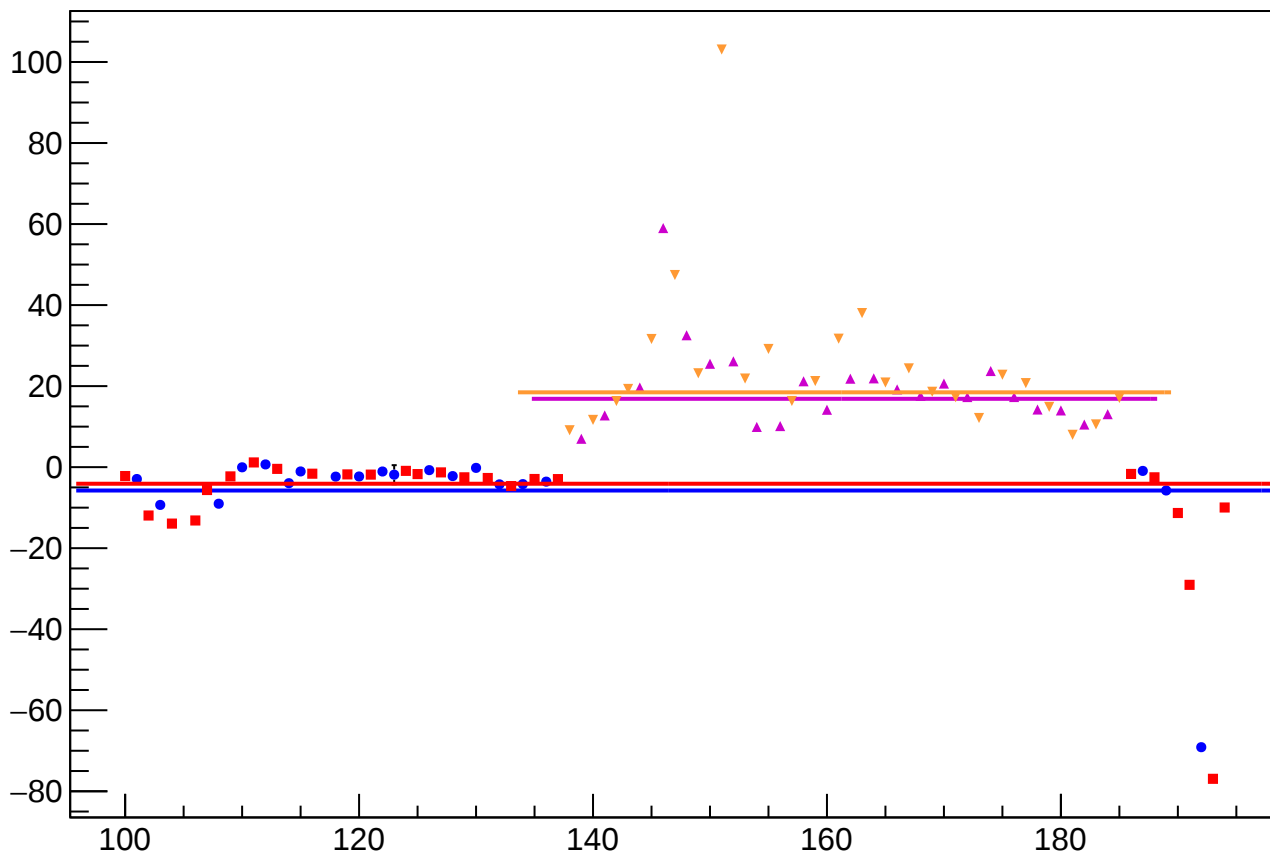
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.594 ± 0.029 $\chi^2/\text{NDF}: 10506.8/44$

All: 0.461 ± 0.020 $\chi^2/\text{NDF}: 20818.3/92$

- sign 0.345 ± 0.027 $\chi^2/\text{NDF}: 10272.0/47$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.767 ± 0.090 $\chi^2/\text{NDF}: 25180.5/19$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -4.095 ± 0.058 $\chi^2/\text{NDF}: 25837.7/24$

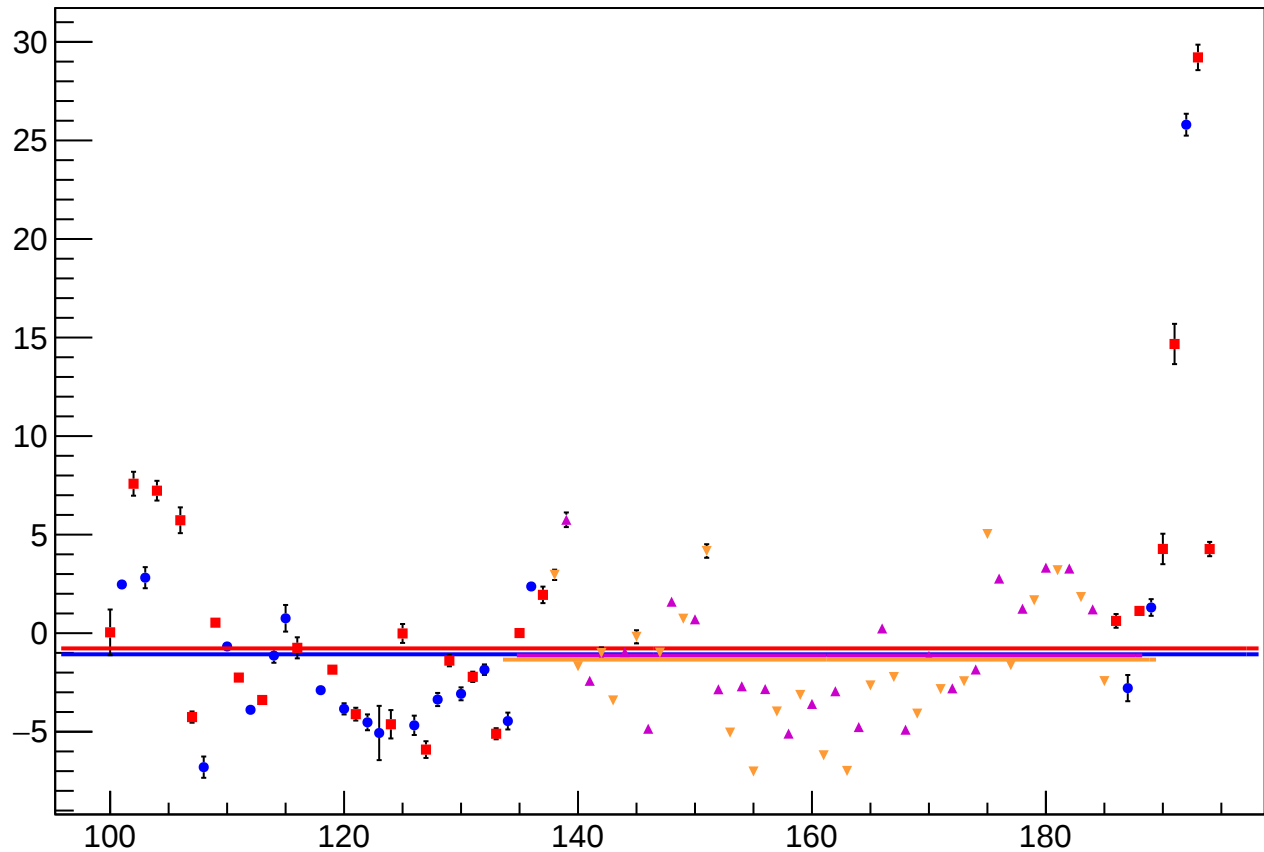
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 14.463 ± 0.036 $\chi^2/\text{NDF}: 163411.7/44$

All: 12.206 ± 0.024 $\chi^2/\text{NDF}: 326258.5/92$

- sign 10.452 ± 0.032 $\chi^2/\text{NDF}: 156030.0/47$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.072 ± 0.071 χ^2/NDF : 3681.2/19

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.773 ± 0.062 χ^2/NDF : 4318.3/24

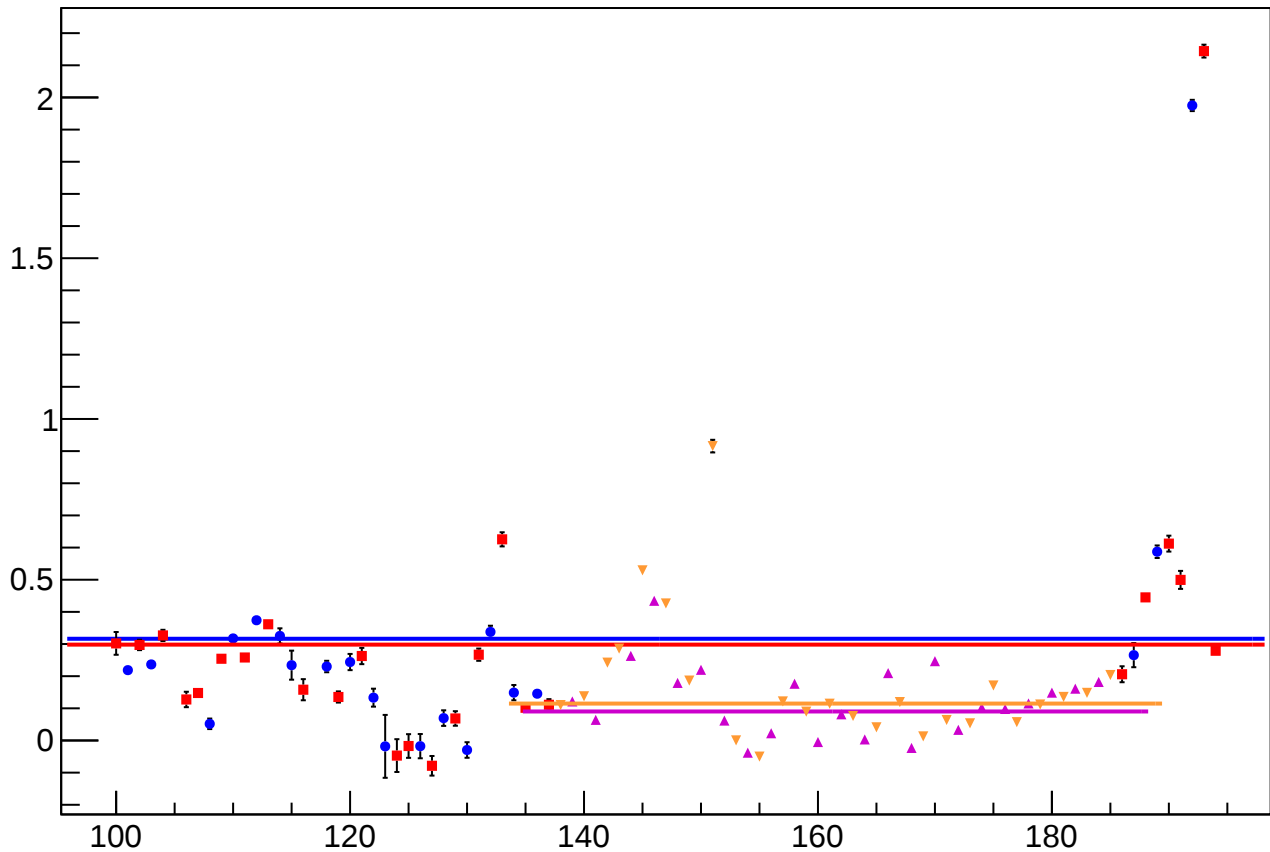
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.283 ± 0.032 χ^2/NDF : 11600.0/44

All: -1.156 ± 0.022 χ^2/NDF : 22681.0/92

- sign -1.045 ± 0.030 χ^2/NDF : 11052.4/47

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.316 $\pm$ 0.004 χ^2 /NDF: 10428.0/19

Left Out: 0.115 $\pm$ 0.002 χ^2 /NDF: 4431.9/24

Right Out: 0.298 $\pm$ 0.003 χ^2 /NDF: 10469.7/24

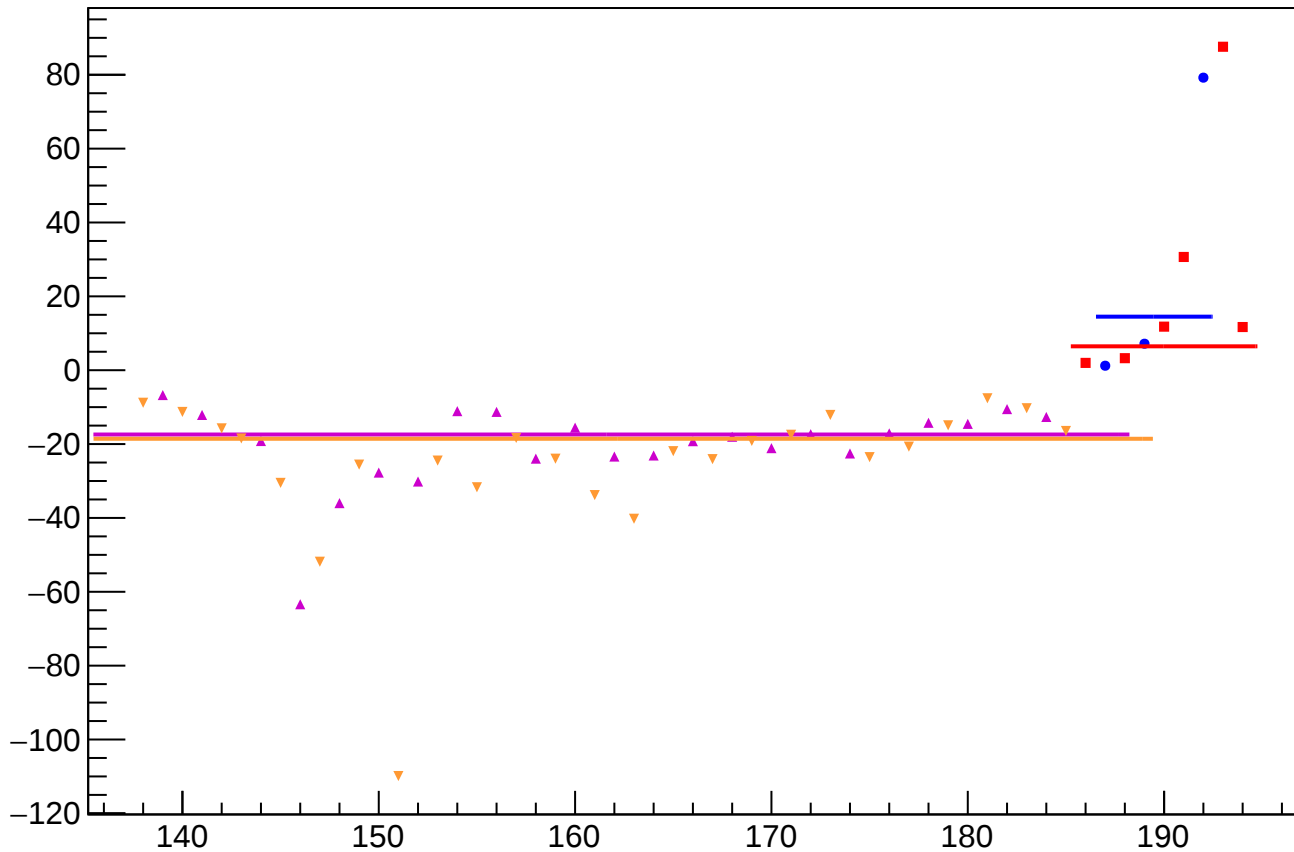
Left In: 0.090 $\pm$ 0.002 χ^2 /NDF: 3676.5/22

+ sign 0.144 $\pm$ 0.002 χ^2 /NDF: 17037.7/44

All: 0.135 $\pm$ 0.001 χ^2 /NDF: 34538.6/92

- sign 0.128 $\pm$ 0.001 χ^2 /NDF: 17439.7/47

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 14.501 $\pm$ 0.175 χ^2 /NDF: 21235.1/2

Left Out: -18.566 $\pm$ 0.040 χ^2 /NDF: 86389.6/24

Right Out: 6.468 $\pm$ 0.088 χ^2 /NDF: 23432.0/5

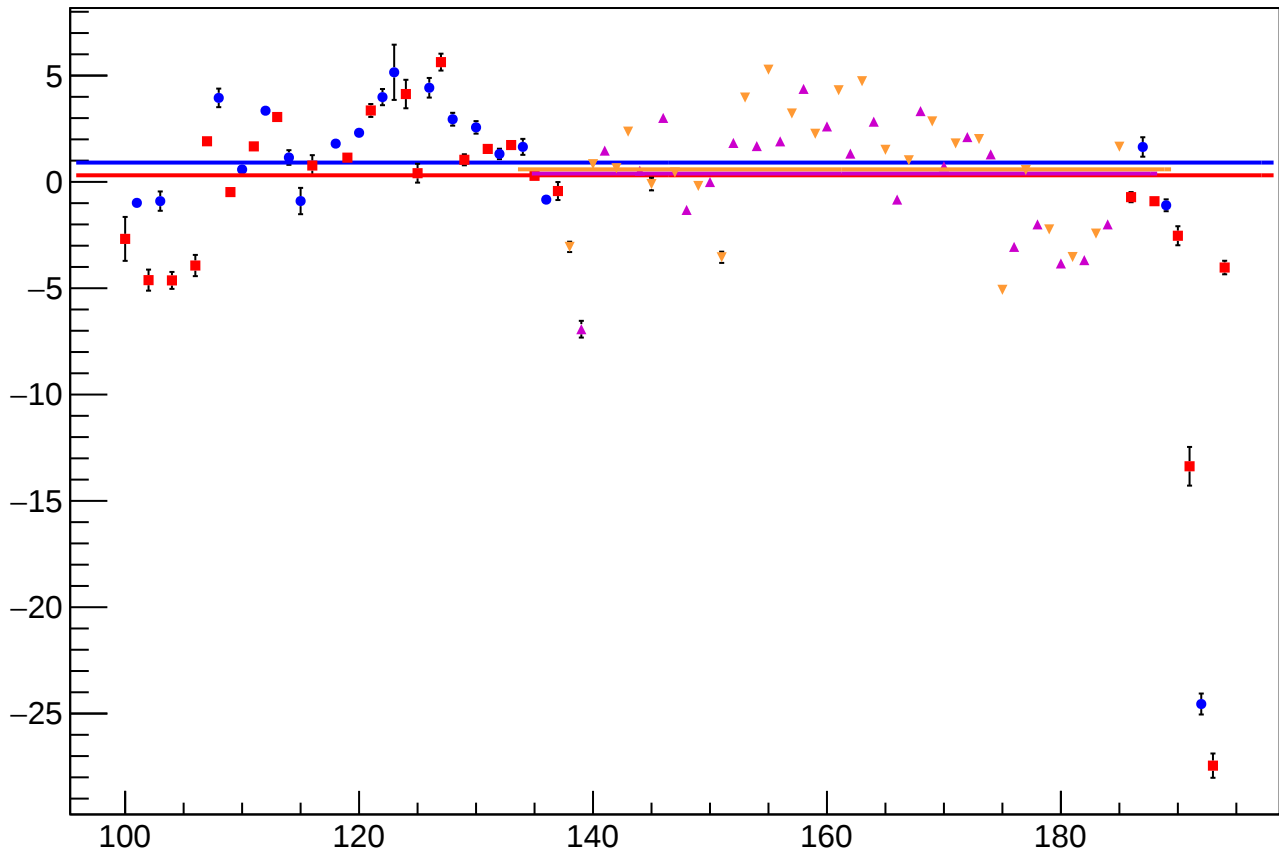
Left In: -17.414 $\pm$ 0.039 χ^2 /NDF: 43504.1/22

+ sign -16.917 $\pm$ 0.039 χ^2 /NDF: 141538.0/27

All: -15.011 $\pm$ 0.026 χ^2 /NDF: 274798.2/56

- sign -13.408 $\pm$ 0.036 χ^2 /NDF: 128881.6/28

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.909 ± 0.061 χ^2/NDF : 3387.1/19

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.310 ± 0.053 χ^2/NDF : 3981.9/24

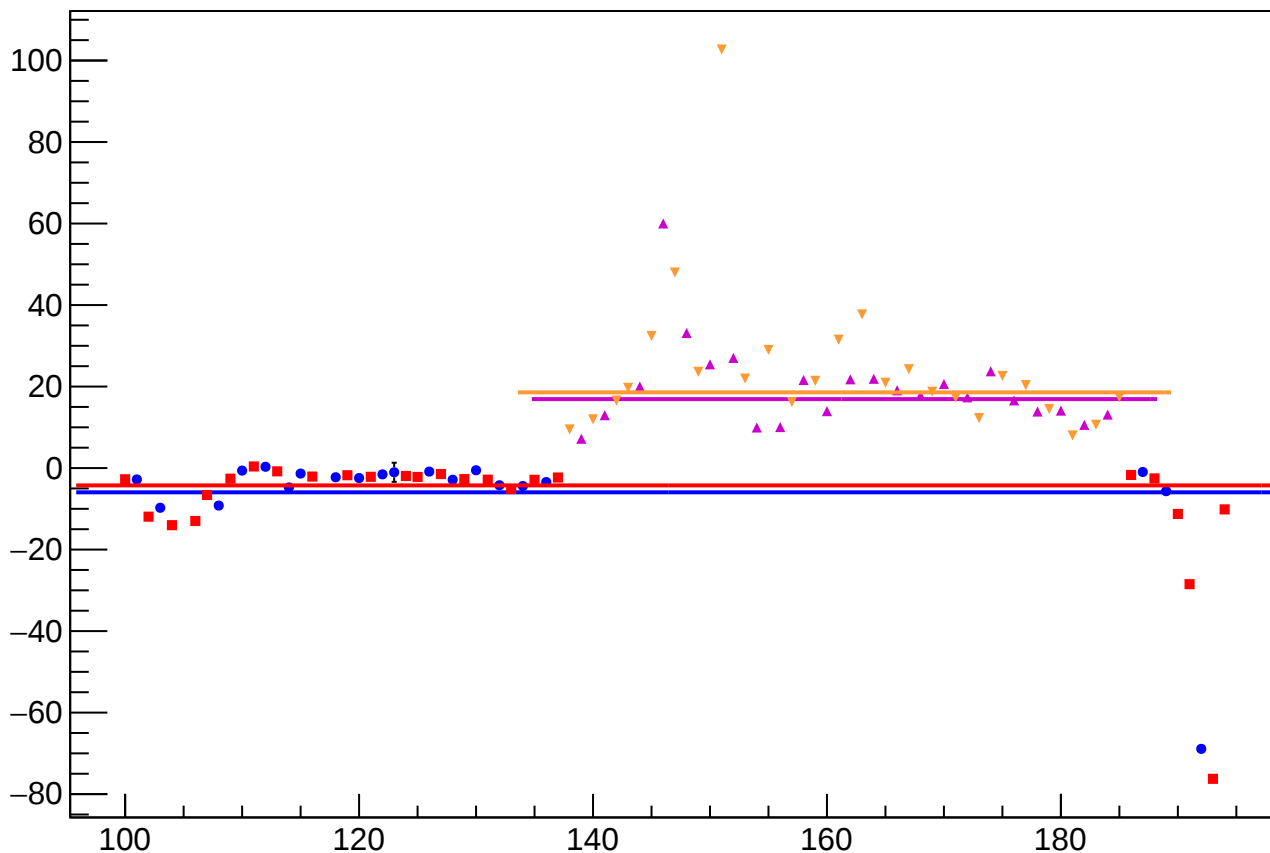
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.663 ± 0.029 χ^2/NDF : 10204.4/44

All: 0.507 ± 0.020 χ^2/NDF : 20301.1/92

- sign 0.372 ± 0.027 χ^2/NDF : 10043.5/47

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.948 ± 0.091 χ^2/NDF : 24563.1/19

Left Out: 18.573 ± 0.040 χ^2/NDF : 76029.9/24

Right Out: -4.251 ± 0.059 χ^2/NDF : 25070.2/24

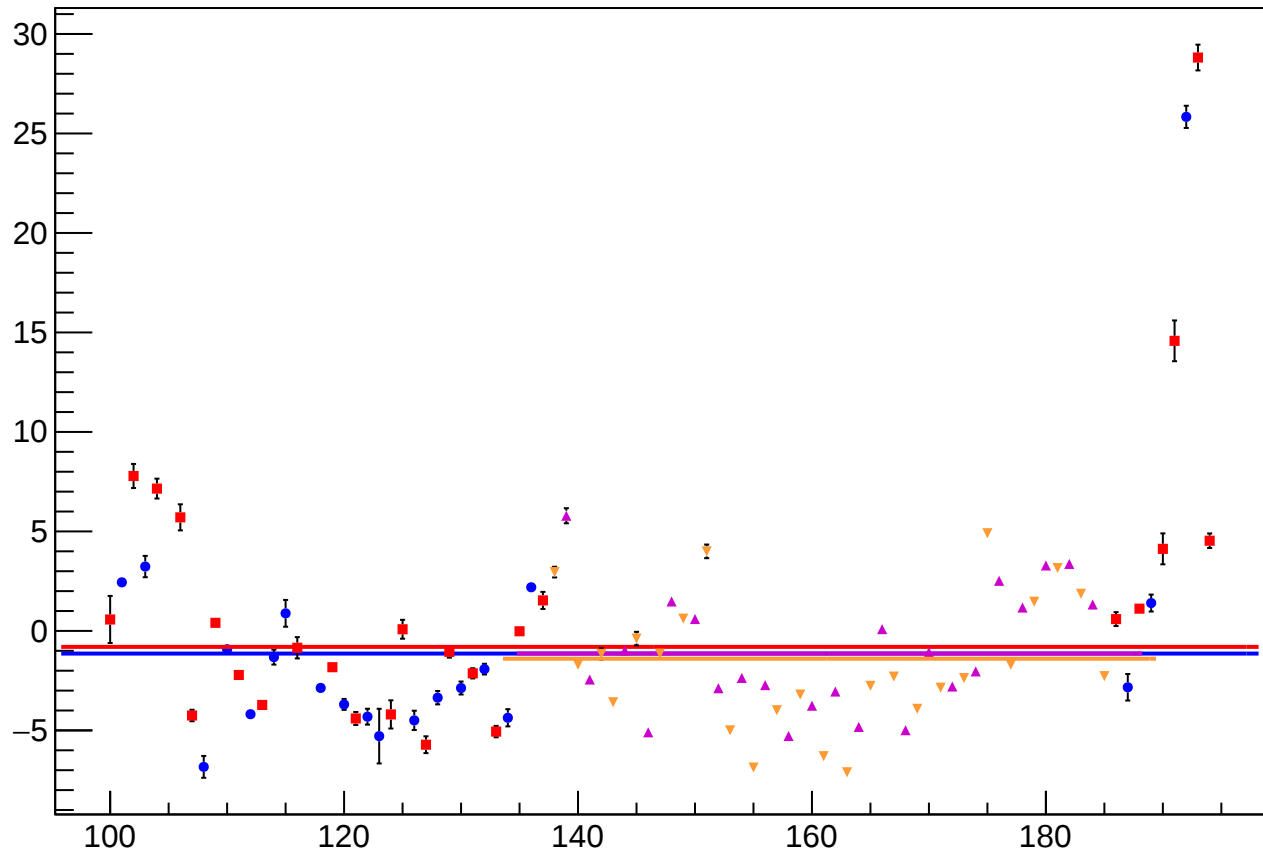
Left In: 16.919 ± 0.039 χ^2/NDF : 40154.5/22

+ sign 14.530 ± 0.037 χ^2/NDF : 161750.3/44

All: 12.260 ± 0.024 χ^2/NDF : 323615.9/92

- sign 10.493 ± 0.032 χ^2/NDF : 155095.0/47

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.138 ± 0.071 χ^2/NDF : 3624.2/19

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.803 ± 0.063 χ^2/NDF : 4244.6/24

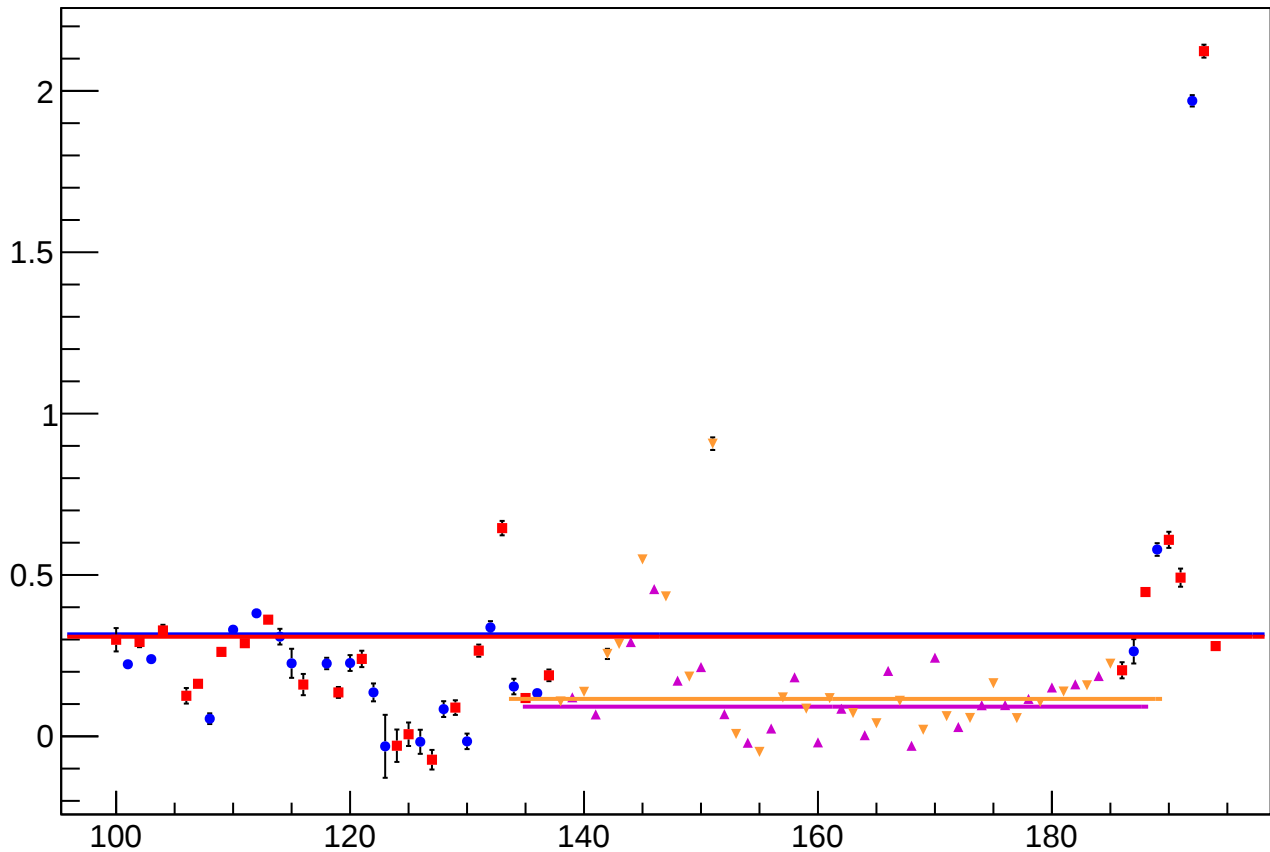
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.342 ± 0.033 χ^2/NDF : 11286.1/44

All: -1.189 ± 0.022 χ^2/NDF : 22190.5/92

- sign -1.055 ± 0.031 χ^2/NDF : 10863.6/47

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.316 $\pm$ 0.004 χ^2 /NDF: 10264.8/19

Left Out: 0.116 $\pm$ 0.002 χ^2 /NDF: 4463.0/24

Right Out: 0.309 $\pm$ 0.003 χ^2 /NDF: 9978.3/24

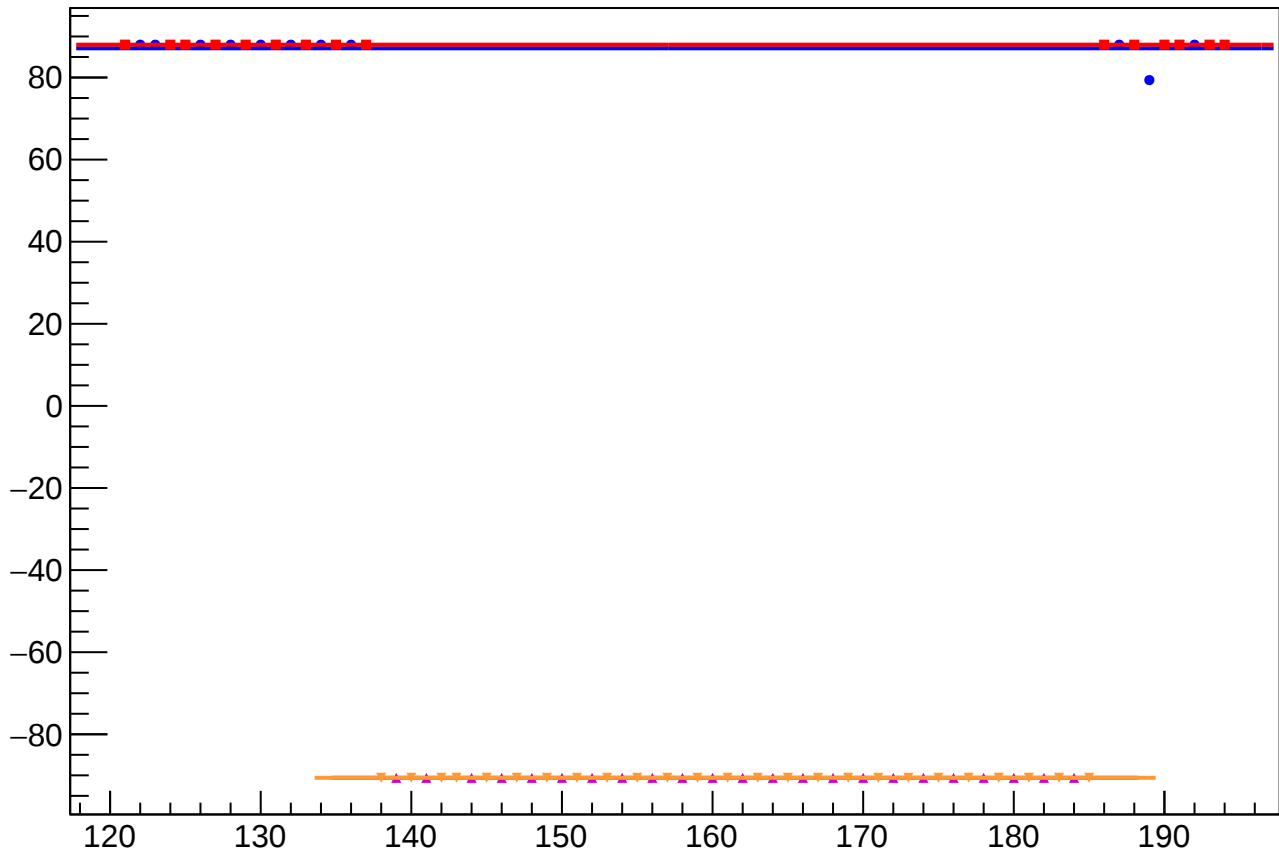
Left In: 0.092 $\pm$ 0.002 χ^2 /NDF: 3631.4/22

+ sign 0.144 $\pm$ 0.002 χ^2 /NDF: 16821.8/44

All: 0.137 $\pm$ 0.001 χ^2 /NDF: 33942.7/92

- sign 0.130 $\pm$ 0.001 χ^2 /NDF: 17074.8/47

VWienAngle_mean vs Slug



Right In: 87.117+/-0.000 χ^2/NDF : 3407377860925098239133609625649152.0/10

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 348966.8/14

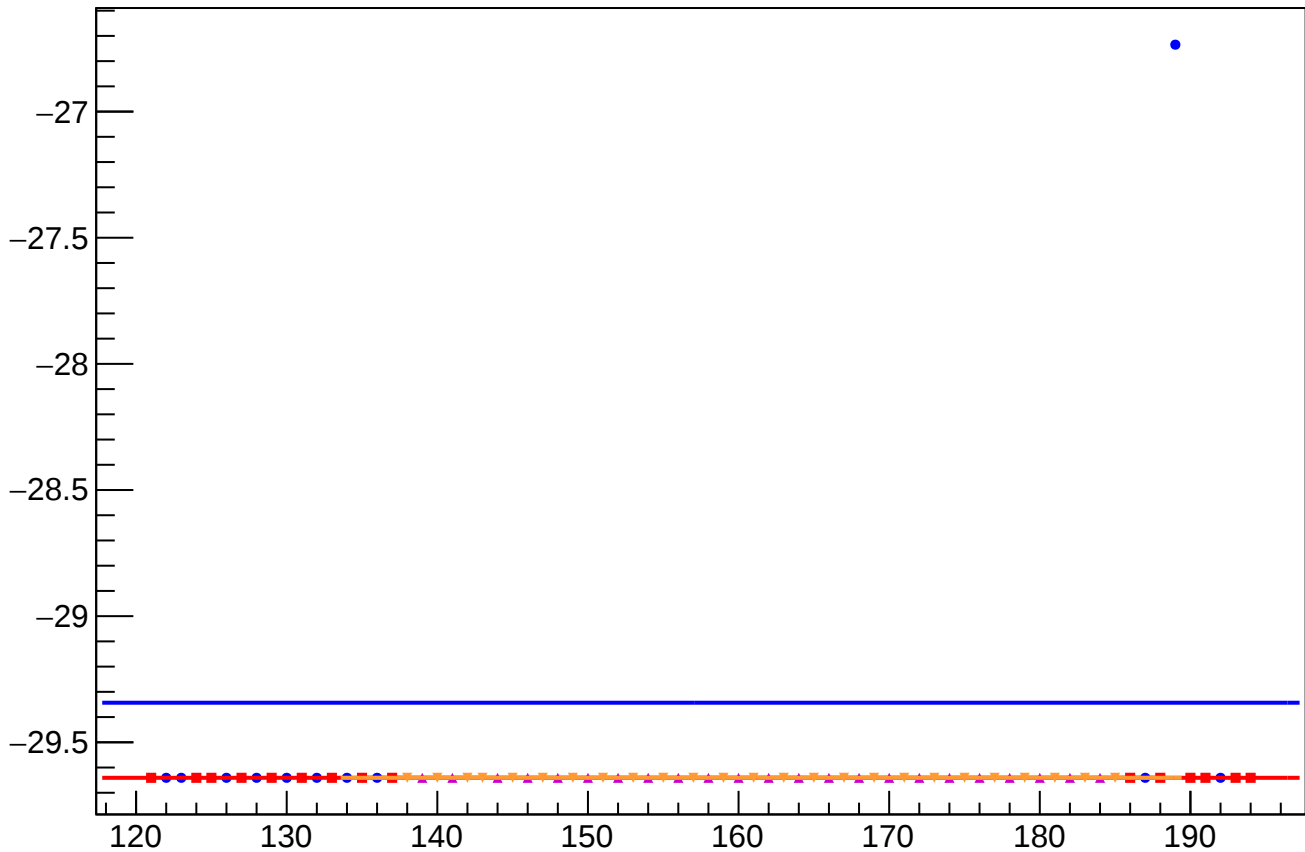
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -53.846+/-0.000 χ^2/NDF : 124790098895767

All: -47.882+/-0.000 χ^2/NDF : 283325779619

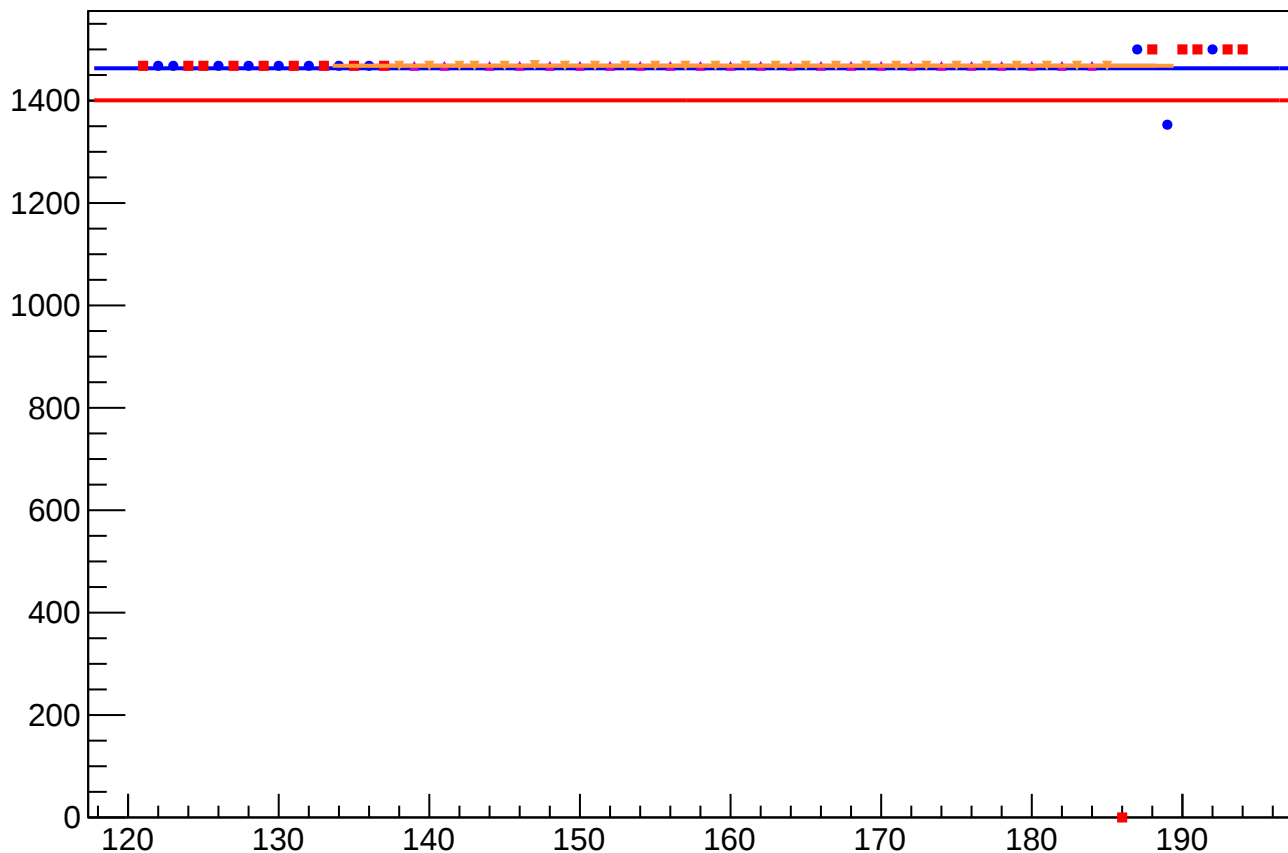
- sign -42.106+/-0.000 χ^2/NDF : 1568498139702330

HWienAngle_mean vs Slug



Right In: -29.343+/-0.000 χ^2/NDF : 386567212910206065529992226275328.0/10
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24 + sign -29.579+/-0.000 χ^2/NDF : 421550817347292
Right Out: -29.641+/-0.000 χ^2/NDF : 773563.3/14 All: -29.610+/-0.000 χ^2/NDF : 426184194881
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22 - sign -29.641+/-0.000 χ^2/NDF : 2170213.1/37

psub_pl_pos_mean vs Slug



Right In: 1463.143+/-0.000 χ^2/NDF : 774005490050963320366919457896923136.0/10

Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24

Right Out: 1400.519+/-0.000 χ^2/NDF : 79143781585723859106983667304178384896.0/14

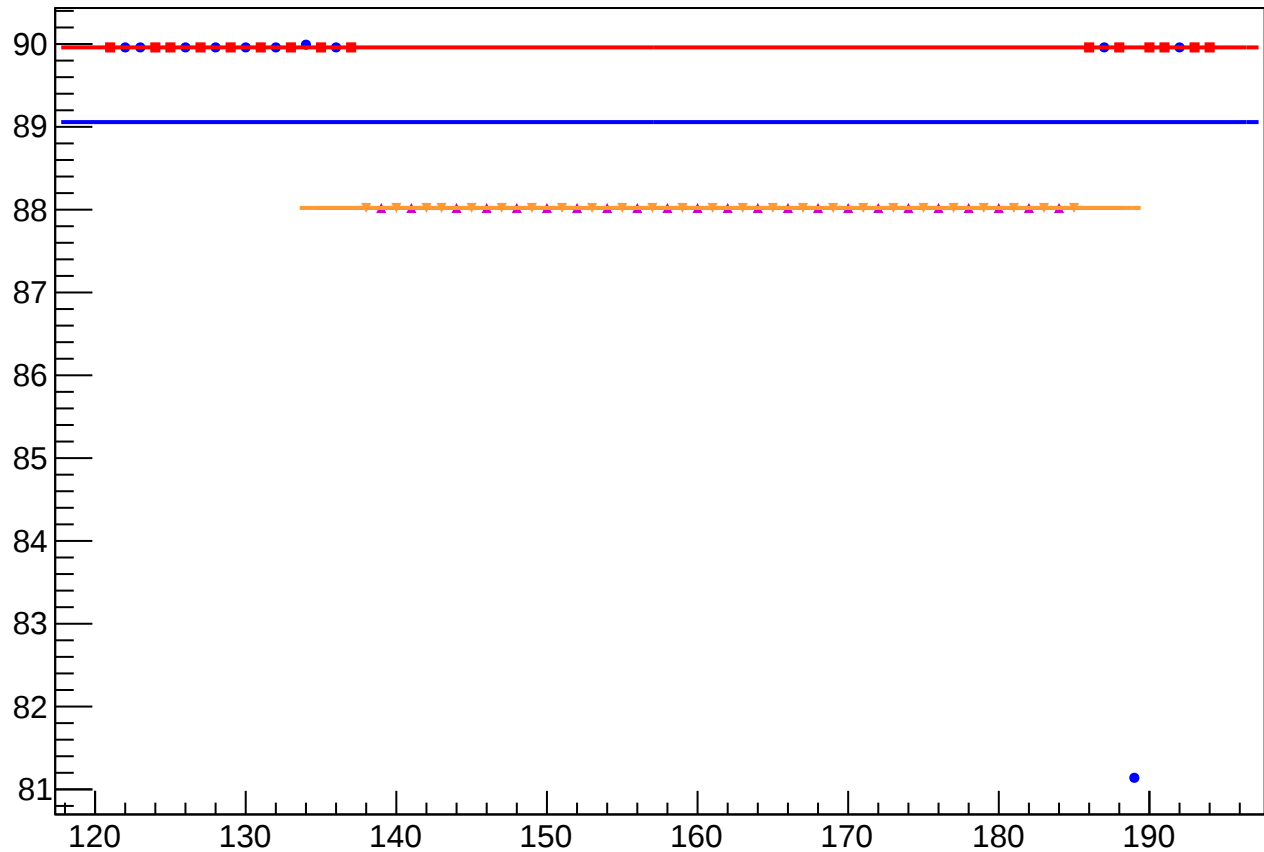
Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

+ sign 1467.033+/-0.000 χ^2/NDF : 78363705881879

All: 1458.215+/-0.000 χ^2/NDF : 82534841474

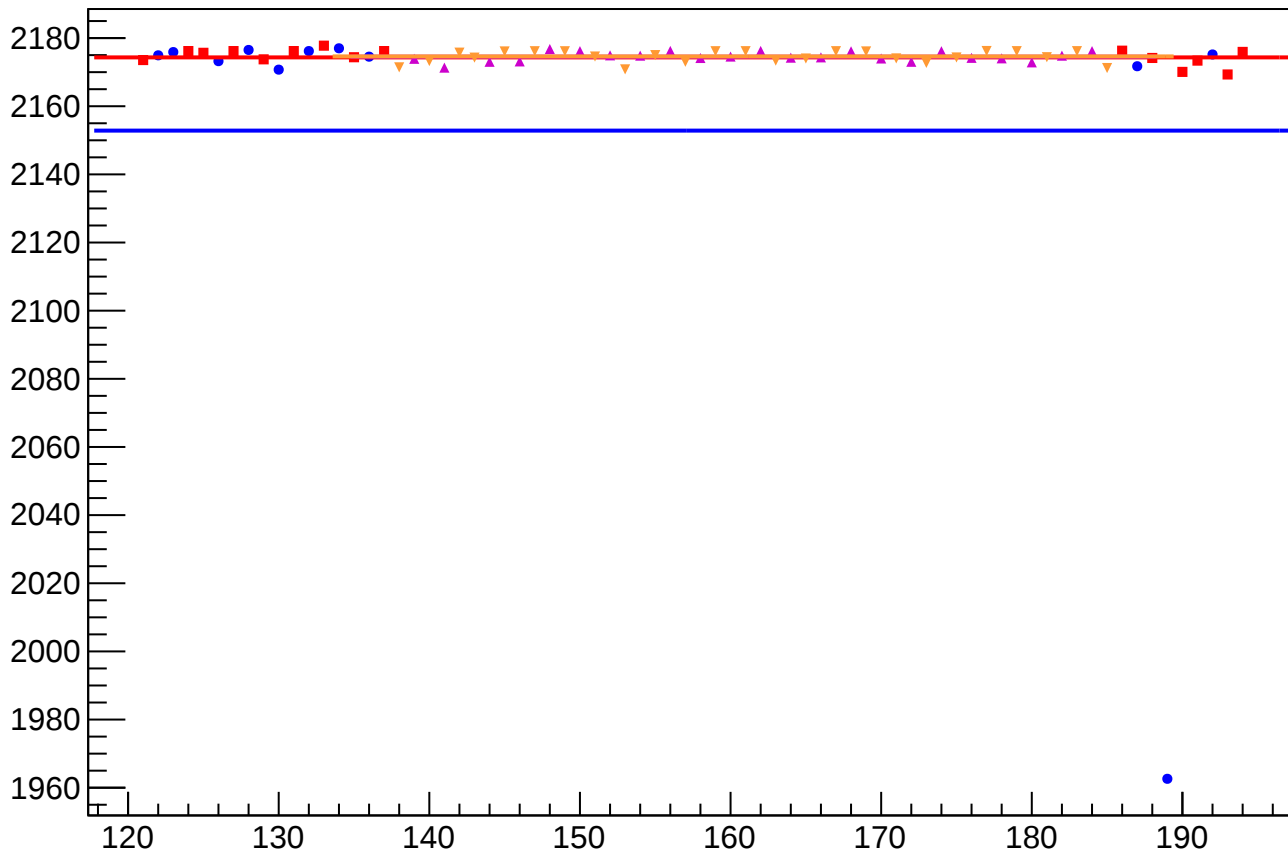
- sign 1449.673+/-0.000 χ^2/NDF : 81382549185058

Phi_FG_mean vs Slug



Right In: 89.057+/-0.000 χ^2/NDF : 3562014479714373488729666216787968.0/10
 Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24
 Right Out: 89.959+/-0.000 χ^2/NDF : 2135200.3/14
 Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

HALLA_p_mean vs Slug



Right In: 2152.846 $\pm$ 0.000 χ^2 /NDF: 2057593828519138986623970285734330368.0/10

Left Out: 2174.622 $\pm$ 0.000 χ^2 /NDF: 5110578135476093110874911595823104.0/24

Right Out: 2174.333 $\pm$ 0.000 χ^2 /NDF: 3929203543902501868735915156832256.0/14

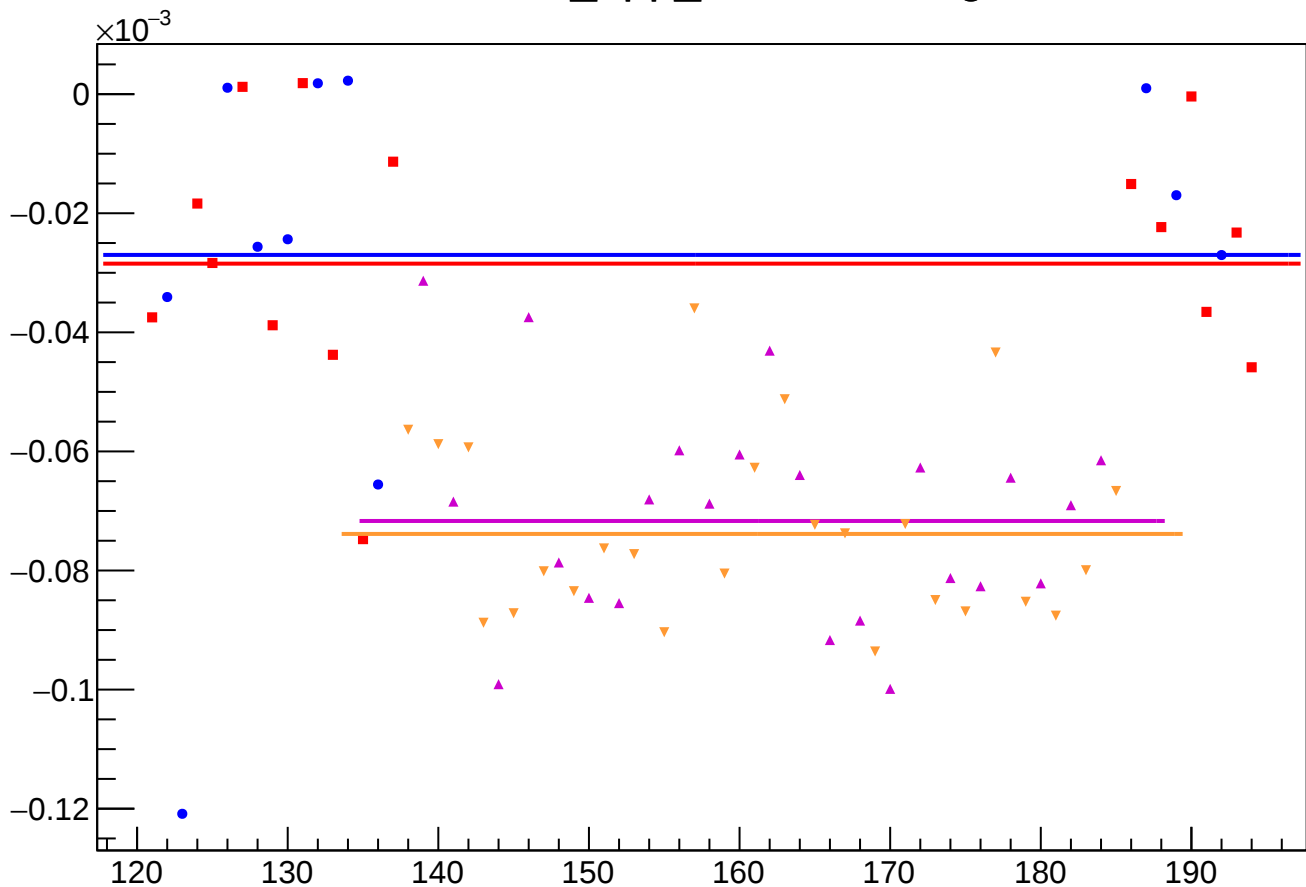
Left In: 2174.539 $\pm$ 0.000 χ^2 /NDF: 3400742562425168967494665391570944.0/22

+ sign 2170.118 $\pm$ 0.000 χ^2 /NDF: 22500214481079

All: 2172.335 $\pm$ 0.000 χ^2 /NDF: 22806730665

- sign 2174.483 $\pm$ 0.000 χ^2 /NDF: 73508813491100

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000

χ^2/NDF : 269004355878513398513664.0/10

Left Out: -0.000 ± 0.000

χ^2/NDF : 450400934180541069000704.0/24

Right Out: -0.000 ± 0.000

χ^2/NDF : 267457499269542327615488.0/14

Left In: -0.000 ± 0.000

χ^2/NDF : 562166279020739416817664.0/22

+ sign -0.000 ± 0.000

χ^2/NDF : 1586760012946141

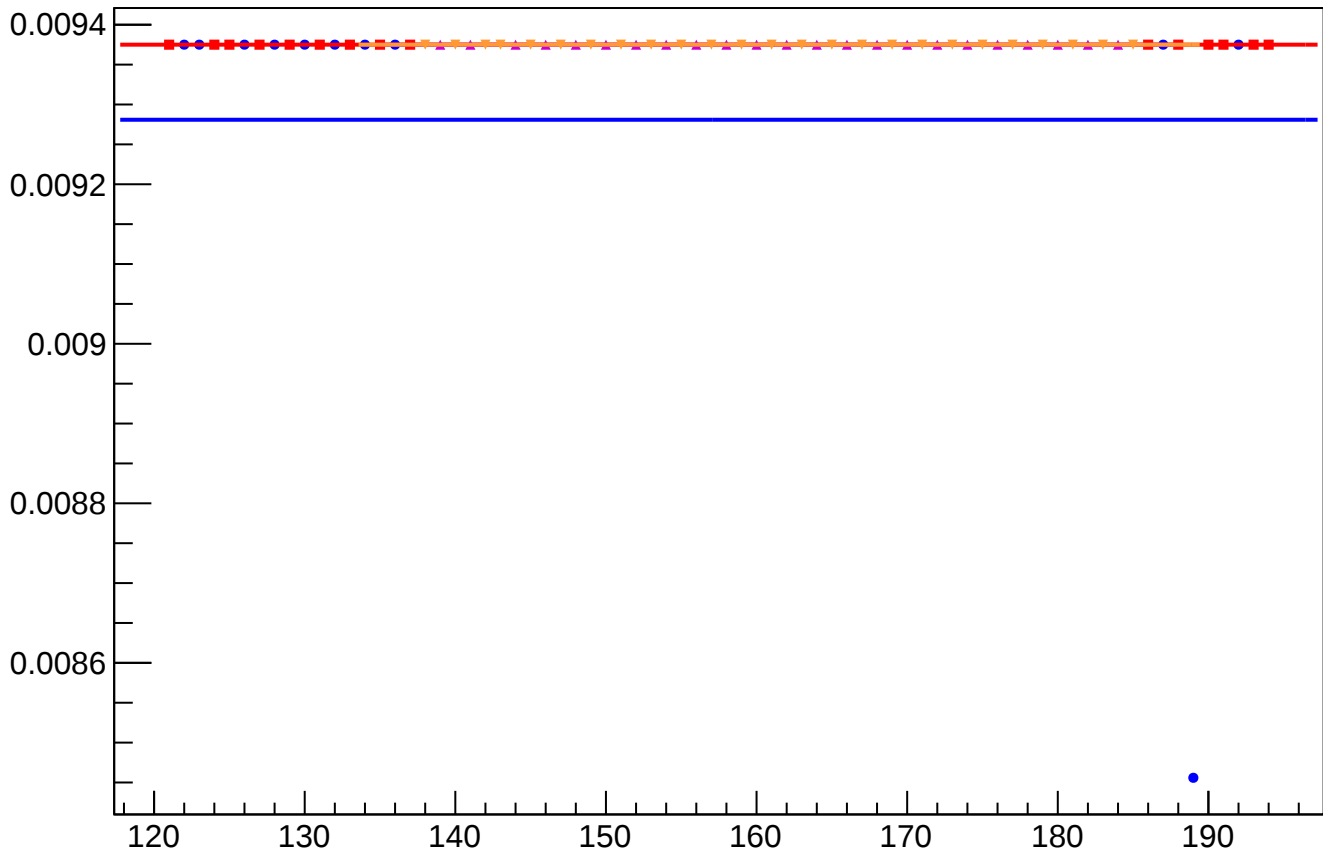
All: -0.000 ± 0.000

χ^2/NDF : 3356571948215

- sign -0.000 ± 0.000

χ^2/NDF : 1748024210975751

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 38671459736002300922036224.0/10

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/14

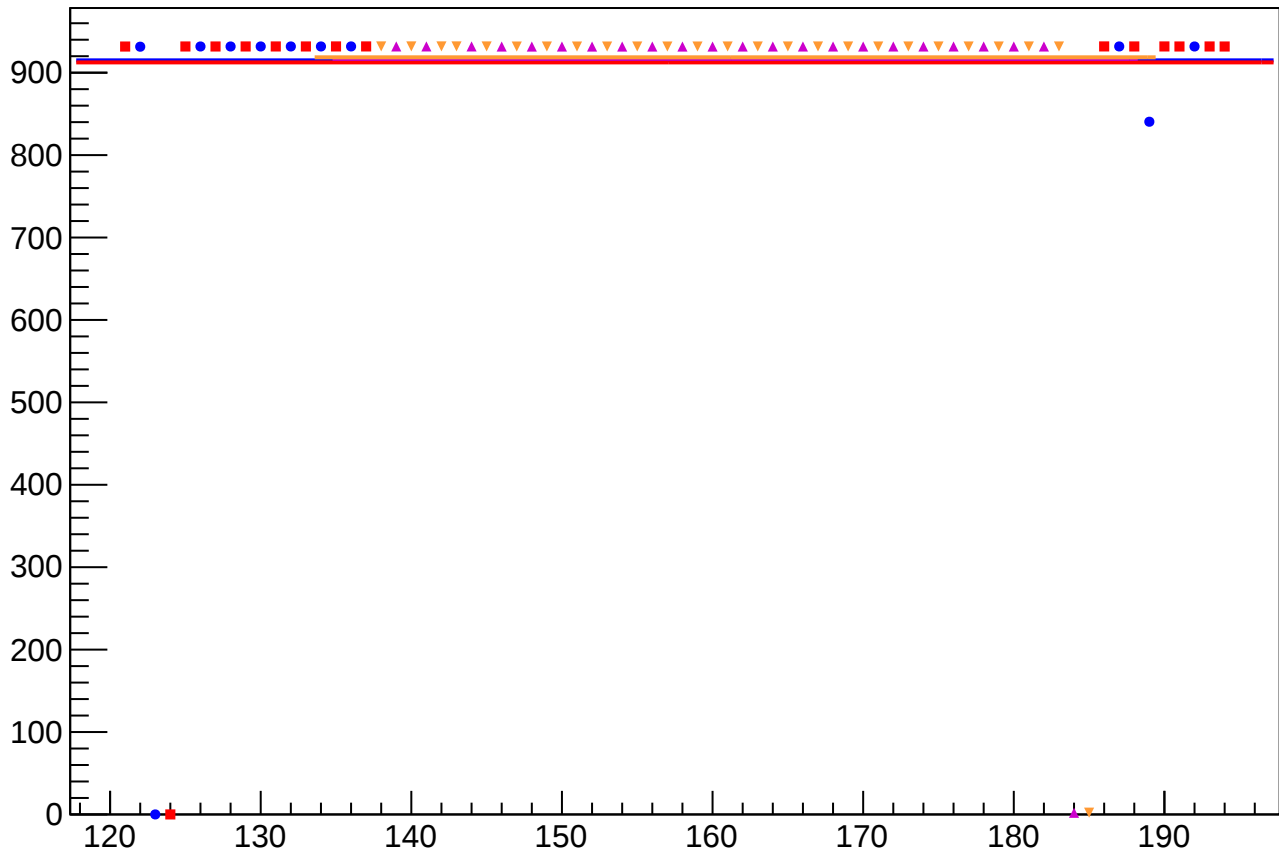
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42171153981213414

All: 0.009+/-0.000 χ^2/NDF : 42634668388962

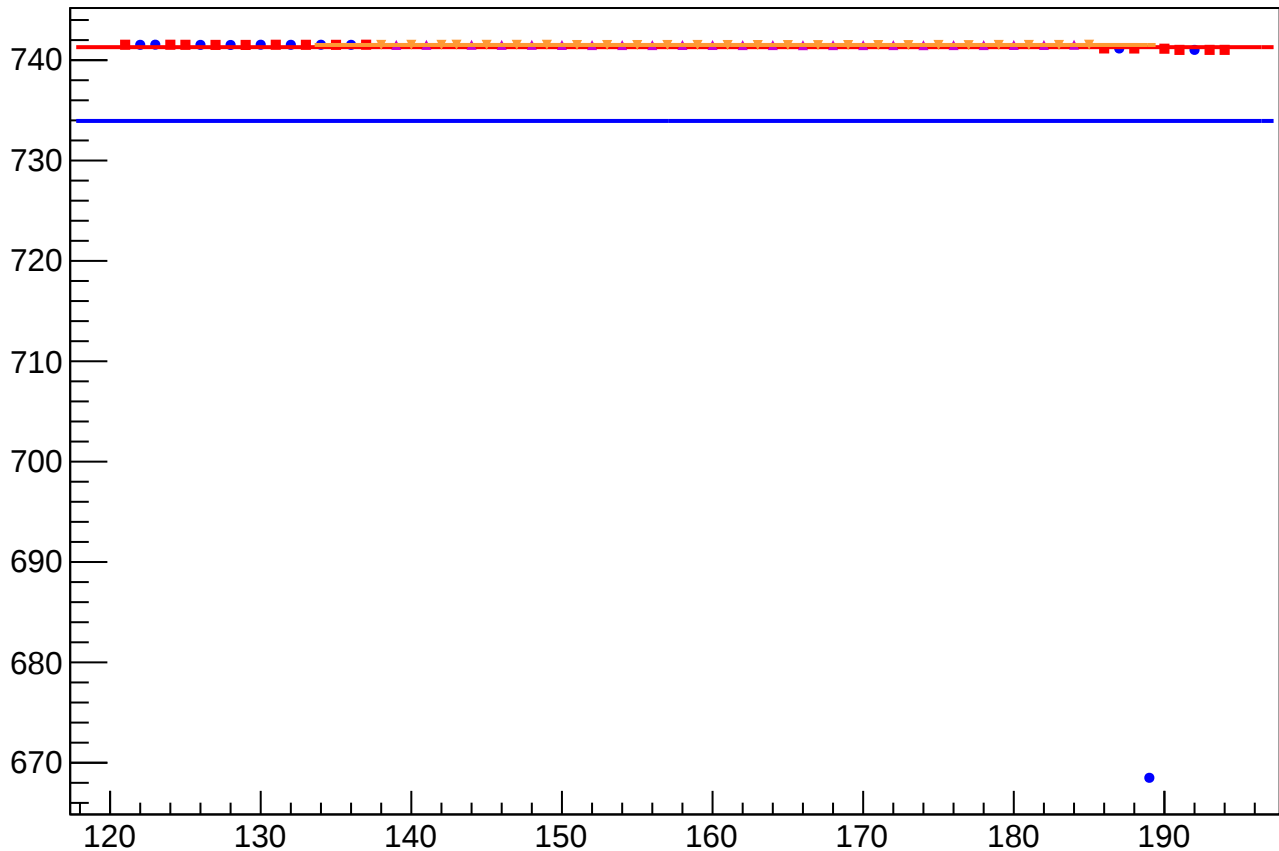
- sign 0.009+/-0.000 χ^2/NDF : 0.2/37

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 914.963+/-0.000 χ^2/NDF : 3756791630081143838506826258861522944.0/10
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 912.492+/-0.000 χ^2/NDF : 11903045653083517487396082673180999680.0/14
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22
 All: 916.772+/-0.000 χ^2/NDF : 633519504208.0/22
 + sign 917.883+/-0.000 χ^2/NDF : 267656455422490.0/22
 - sign 915.696+/-0.000 χ^2/NDF : 365804514390156.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



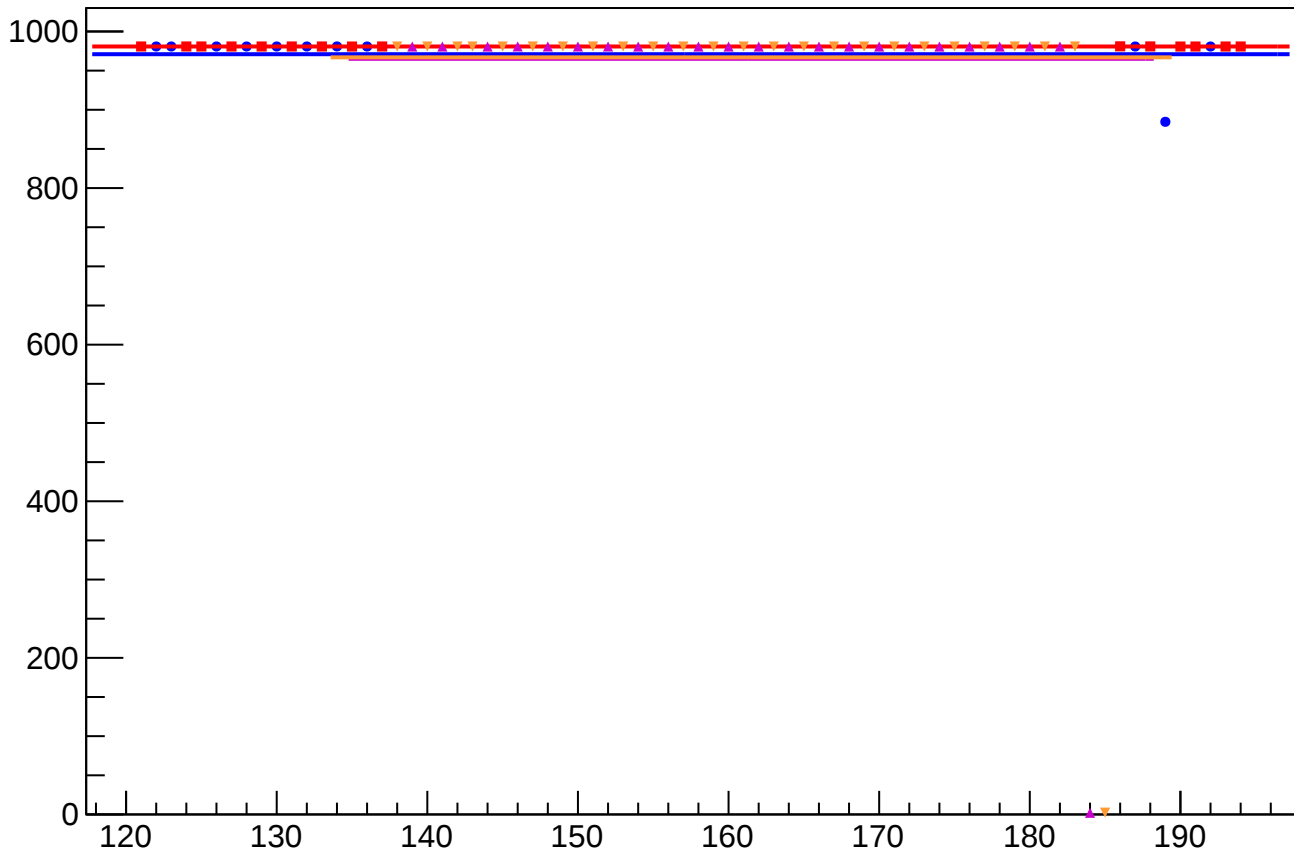
Right In: 733.944+/-0.000 χ^2/NDF : 243367117013055334110279787136155648.0/10

Left Out: 741.513+/-0.000 χ^2 /NDF:244782737401533731539808944128.0/24

Right Out: 741.295+/-0.000 χ^2 /NDF: 34176201228776484349865386573824.0/14

Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 970.968 $\pm$ 0.000 χ^2 /NDF: 423444567912434199331361627679227904.0/10

Left Out: 966.936 $\pm$ 0.000 χ^2 /NDF: 25485578616543458629432284645183979520.0/24

Right Out: 980.834 $\pm$ 0.000 χ^2 /NDF: 2205575238634965497410670821376.0/14

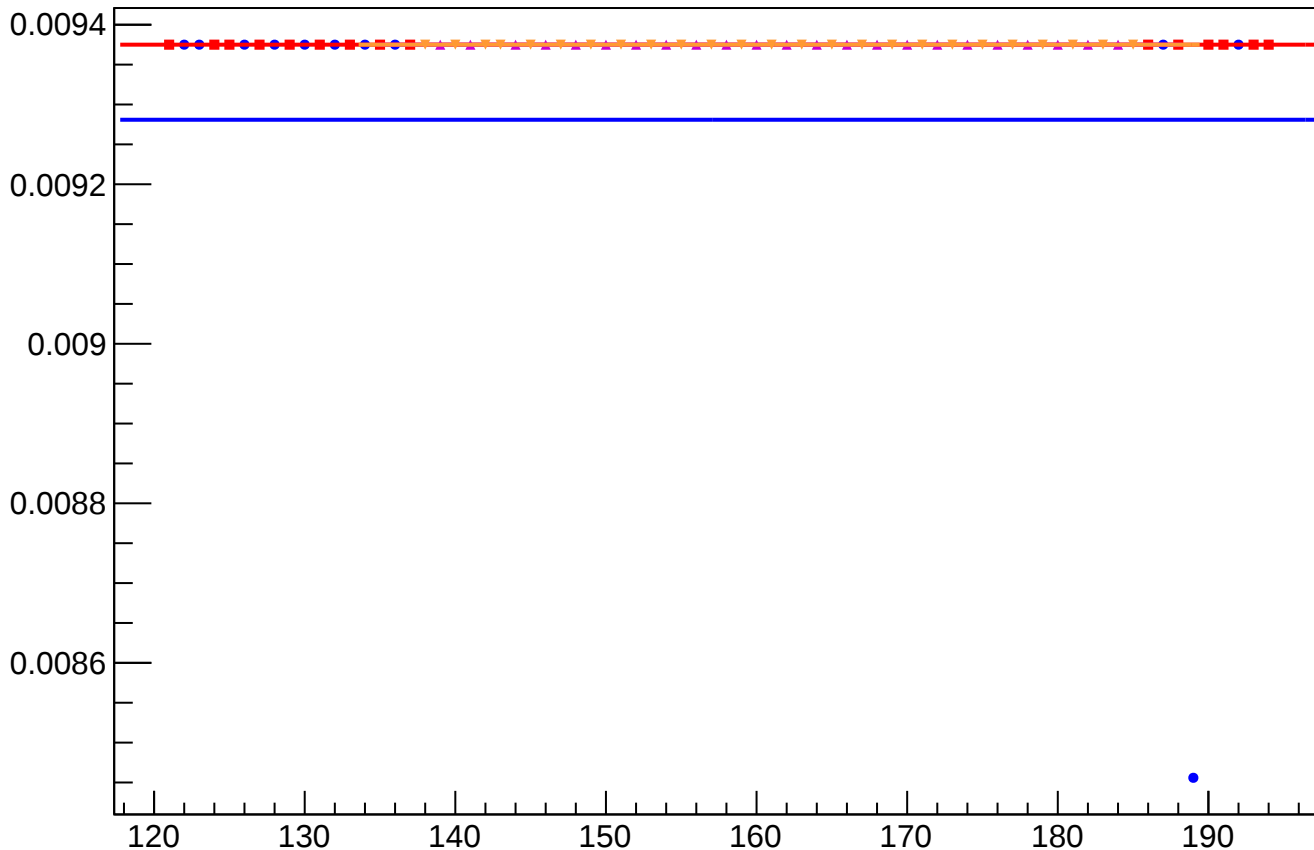
Left In: 965.102 $\pm$ 0.000 χ^2 /NDF: 27330319430012441419356351914146004992.0/22

+ sign 967.770 $\pm$ 0.000 χ^2 /NDF: 259154452560732

All: 968.585 $\pm$ 0.000 χ^2 /NDF: 533706158775

- sign 969.374 $\pm$ 0.000 χ^2 /NDF: 274520241641295

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 38671459736002300922036224.0/10

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/14

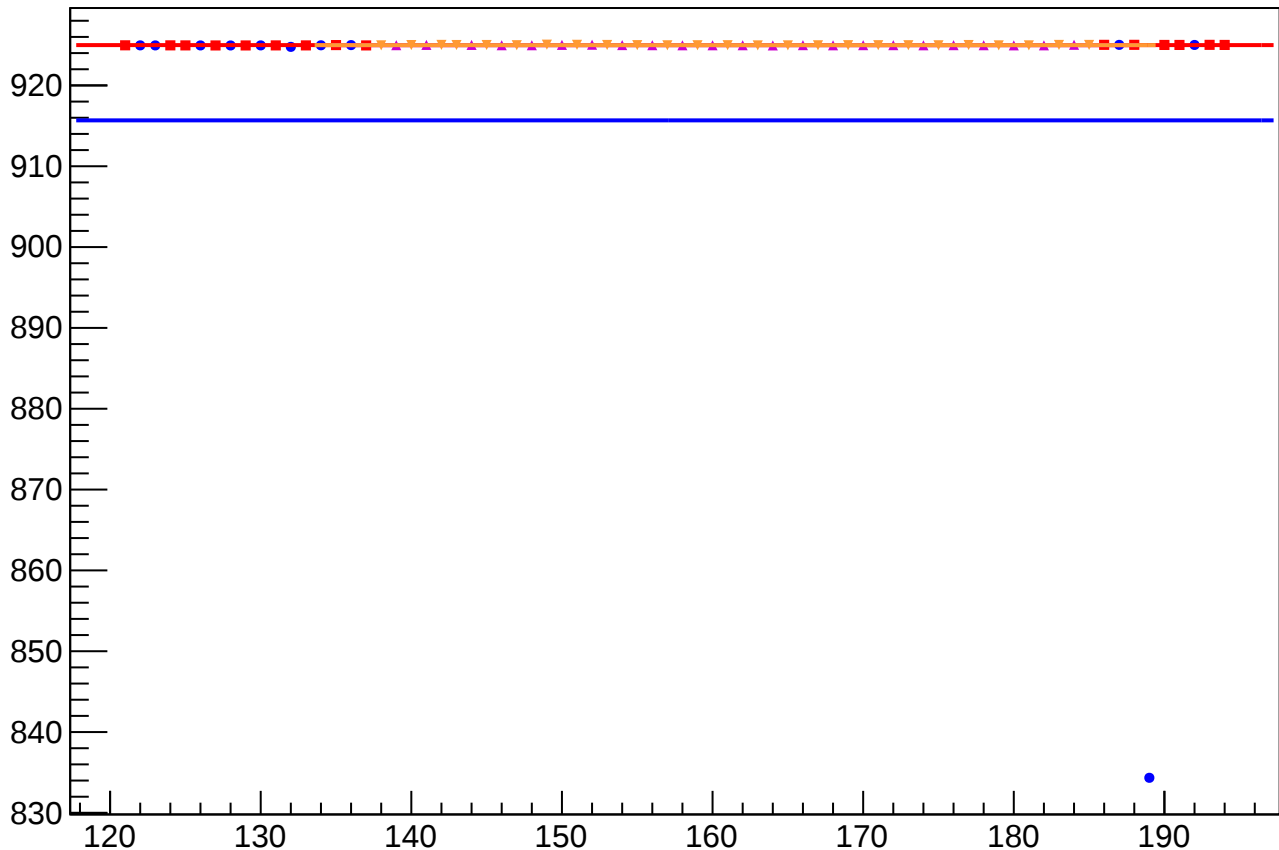
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42171153981213414

All: 0.009+/-0.000 χ^2/NDF : 42634668388962

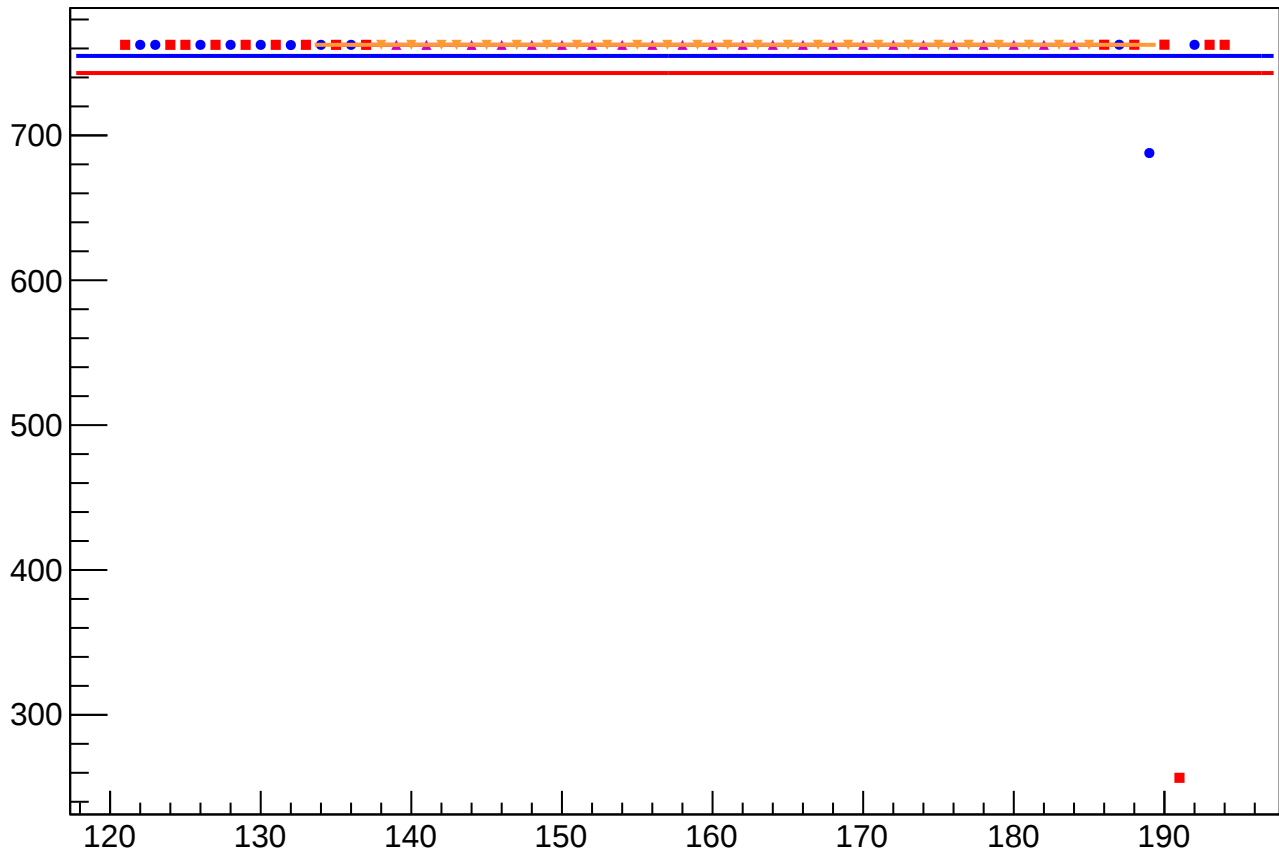
- sign 0.009+/-0.000 χ^2/NDF : 0.2/37

HacR_Q2_HP3458A_IOUT_mean vs Slug



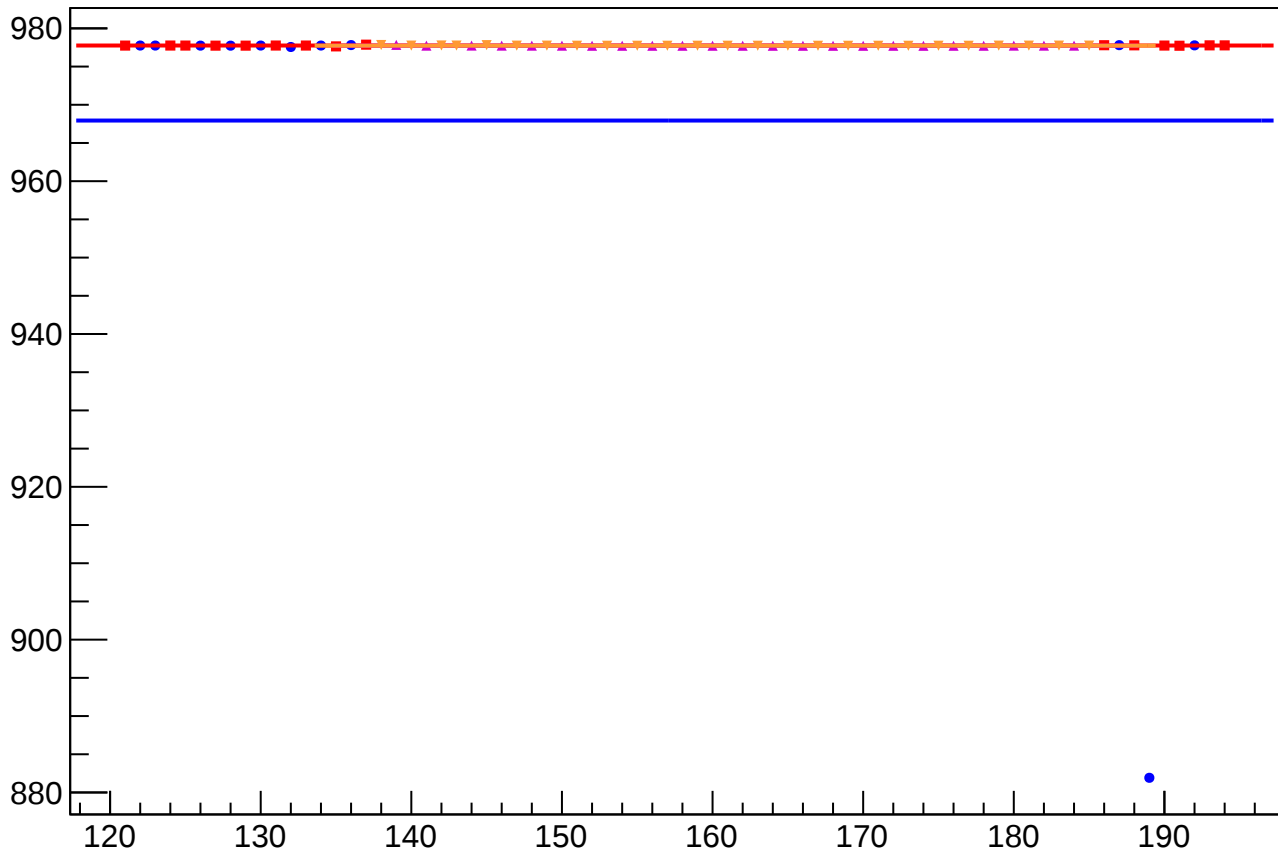
Right In: 915.676 $\pm$ 0.000 χ^2 /NDF: 375884890430723301501999086619852800.0/10
 Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24
 Right Out: 924.988 $\pm$ 0.000 χ^2 /NDF: 667869139607952282907245019136.0/14
 Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22
 + sign 923.058 $\pm$ 0.000 χ^2 /NDF: 410096042483359
 All: 924.037 $\pm$ 0.000 χ^2 /NDF: 414636895612
 - sign 924.984 $\pm$ 0.000 χ^2 /NDF: 157098084279522

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 754.848+/-0.000 χ^2/NDF : 255335025612225496360523797039677440.0/10
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 743.040+/-0.000 χ^2/NDF : 6399977791819170497402919828548747264.0/14
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 967.936+/-0.000 χ^2/NDF : 420393013582034299669496529428676608.0/10

Left Out: 977.738+/-0.000 χ^2/NDF : 1154150409979077132991401558016.0/24

Right Out: 977.755+/-0.000 χ^2/NDF : 1076254059334422706405341396992.0/14

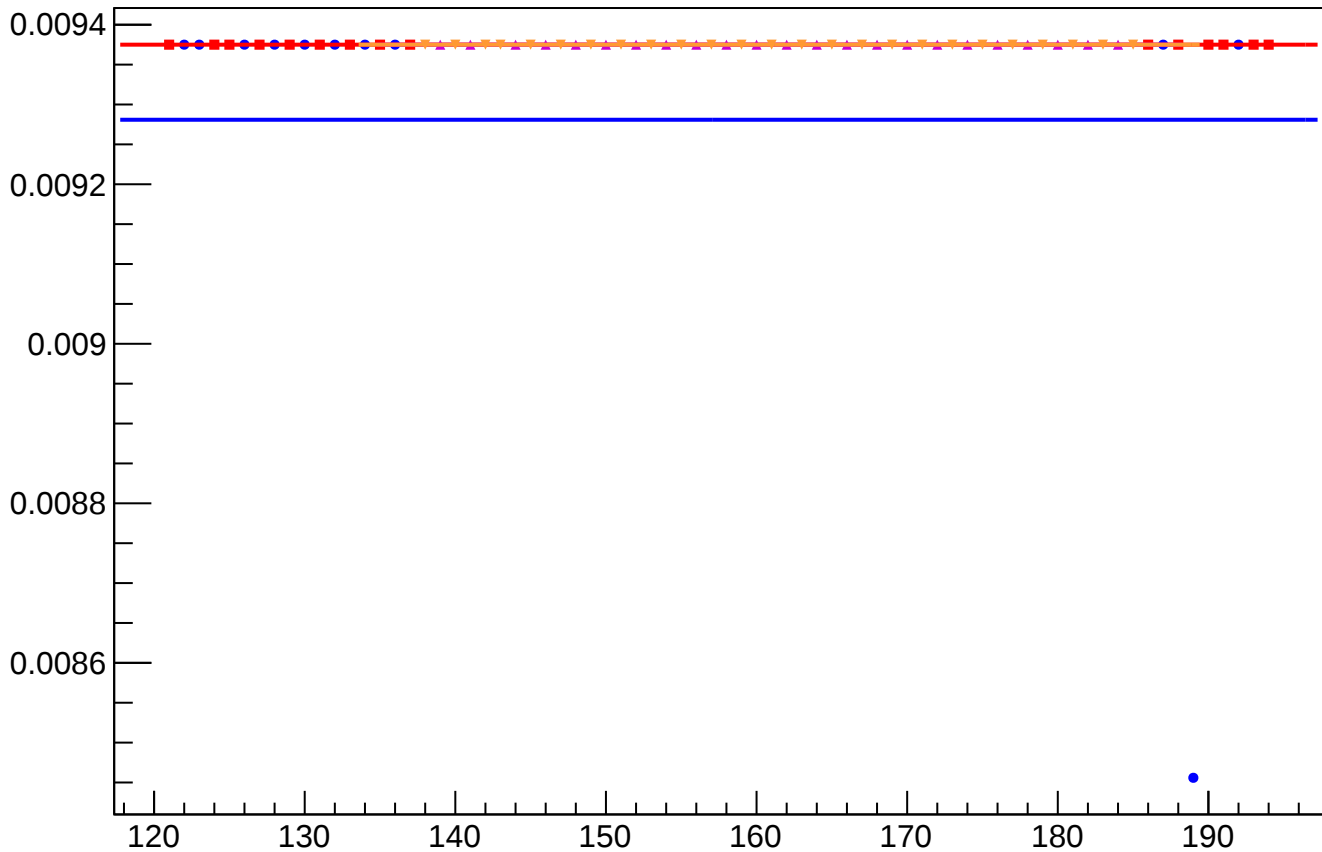
Left In: 977.735+/-0.000 χ^2/NDF : 976503887937607318263199432704.0/22

+ sign 975.711+/-0.000 χ^2/NDF : 458342955142409

All: 976.742+/-0.000 χ^2/NDF : 463384628063

- sign 977.740+/-0.000 χ^2/NDF : 225981369561579

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 38671459736002300922036224.0/10

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/14

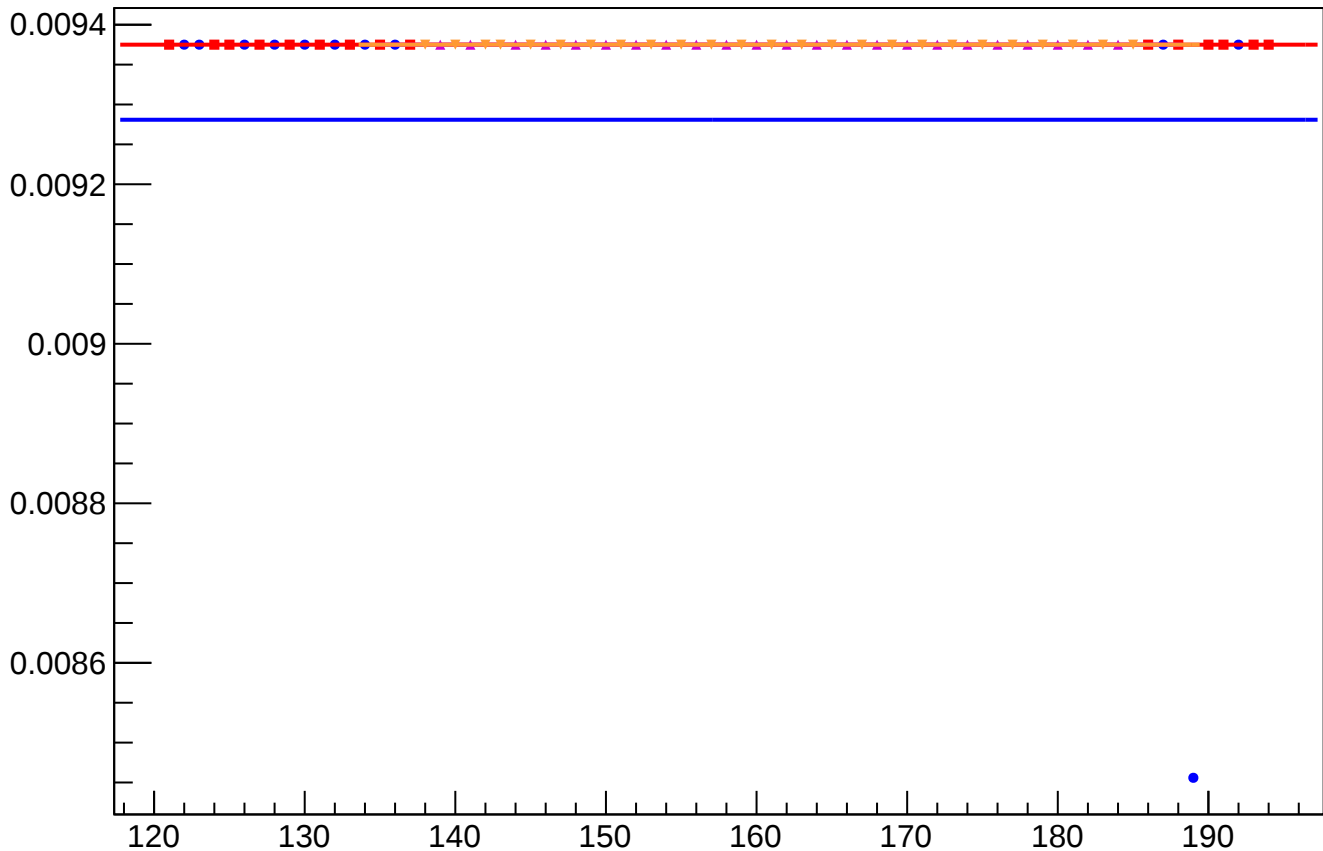
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42171153981213414

All: 0.009+/-0.000 χ^2/NDF : 42634668388962

- sign 0.009+/-0.000 χ^2/NDF : 0.2/37

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 38671459736002300922036224.0/10

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/14

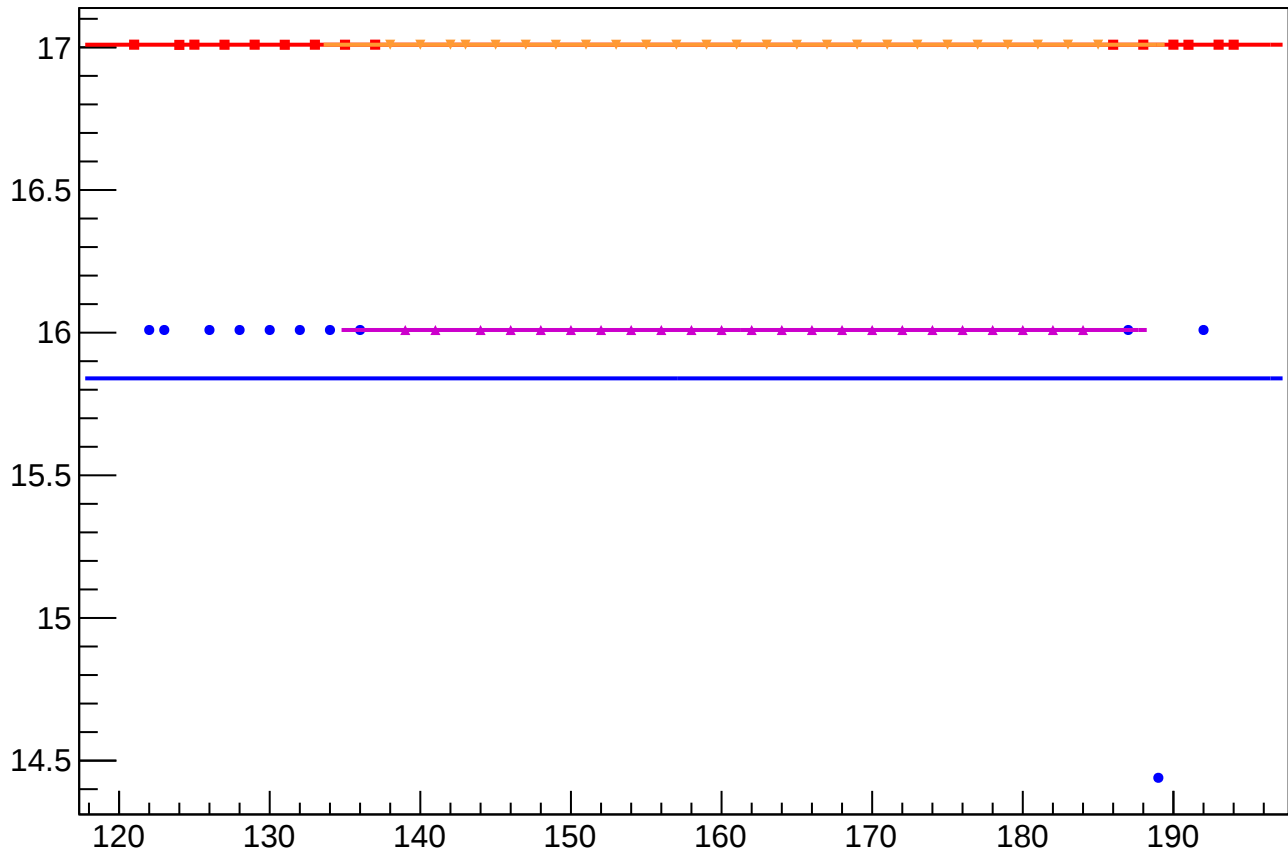
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42171153981213414

All: 0.009+/-0.000 χ^2/NDF : 42634668388962

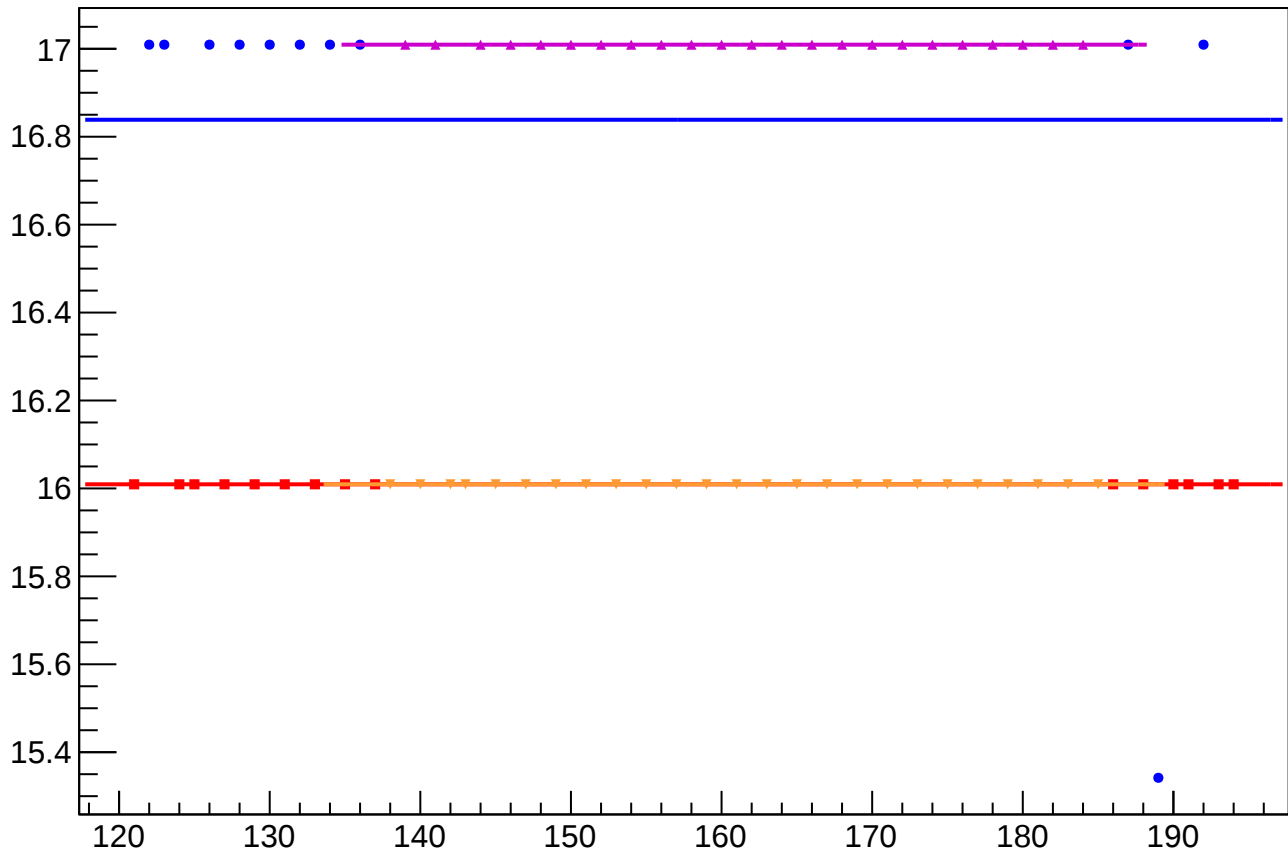
- sign 0.009+/-0.000 χ^2/NDF : 0.2/37

IGL1I00DI24_24M_mean vs Slug



Right In: 15.840 ± 0.000 χ^2/NDF : 112062081465969324770608831004672.0/10
 Left Out: 17.009 ± 0.000 χ^2/NDF : 26284444608576238643052544.0/24
 Right Out: 17.009 ± 0.000 χ^2/NDF : 12246271882223308763037696.0/14
 Left In: 16.009 ± 0.000 χ^2/NDF : 127973174512756677672960.0/22
 All: 16.522 ± 0.000 χ^2/NDF : 1351913004808.0/24
 + sign 16.764 ± 0.000 χ^2/NDF : 6220080389433103.0/24
 - sign 16.291 ± 0.000 χ^2/NDF : 4734735293415633.0/24

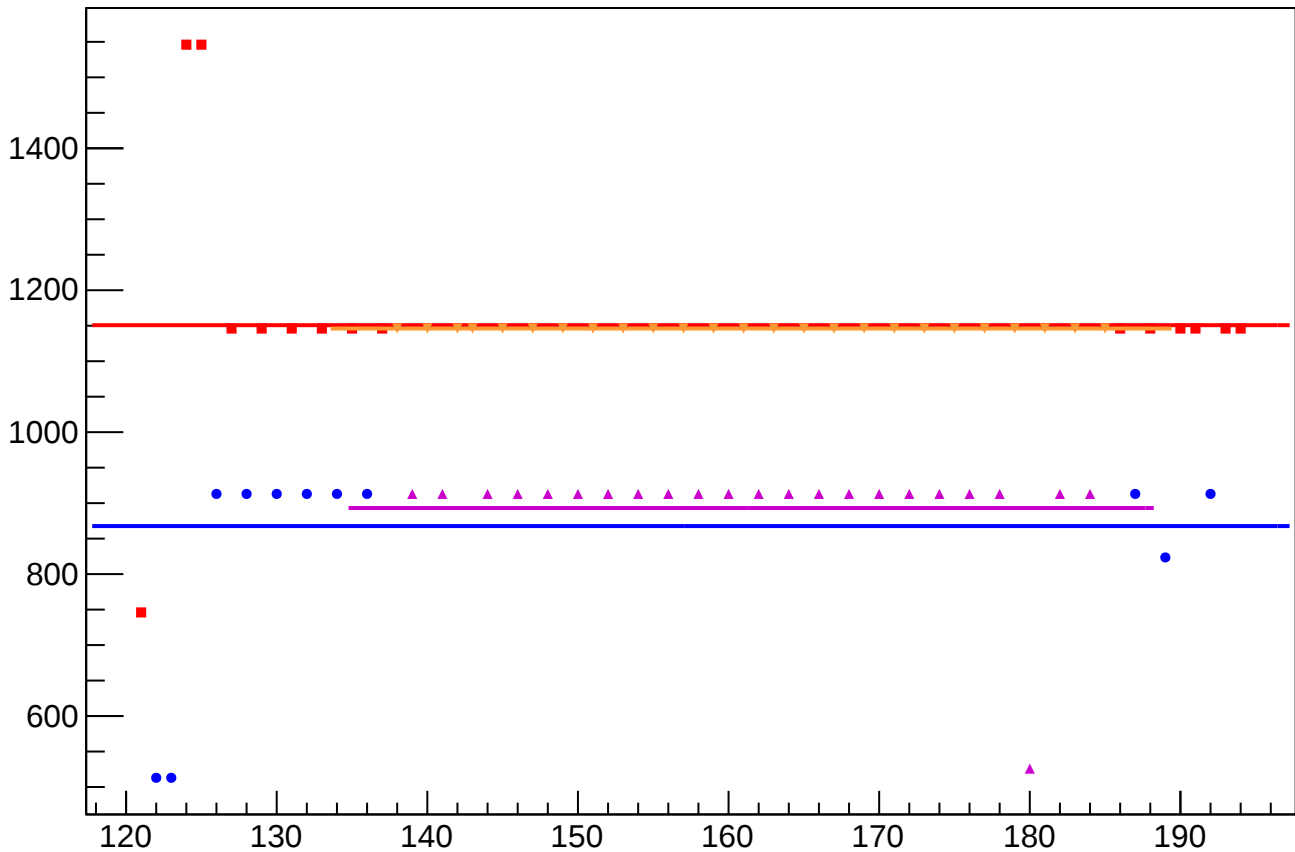
IGL1I00OD16_16_mean vs Slug



Right In: 16.839+/-0.000 χ^2/NDF : 127298921703587428491418606239744.0/10
 Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24
 Right Out: 16.009+/-0.000 χ^2/NDF : 178383.5/14
 Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

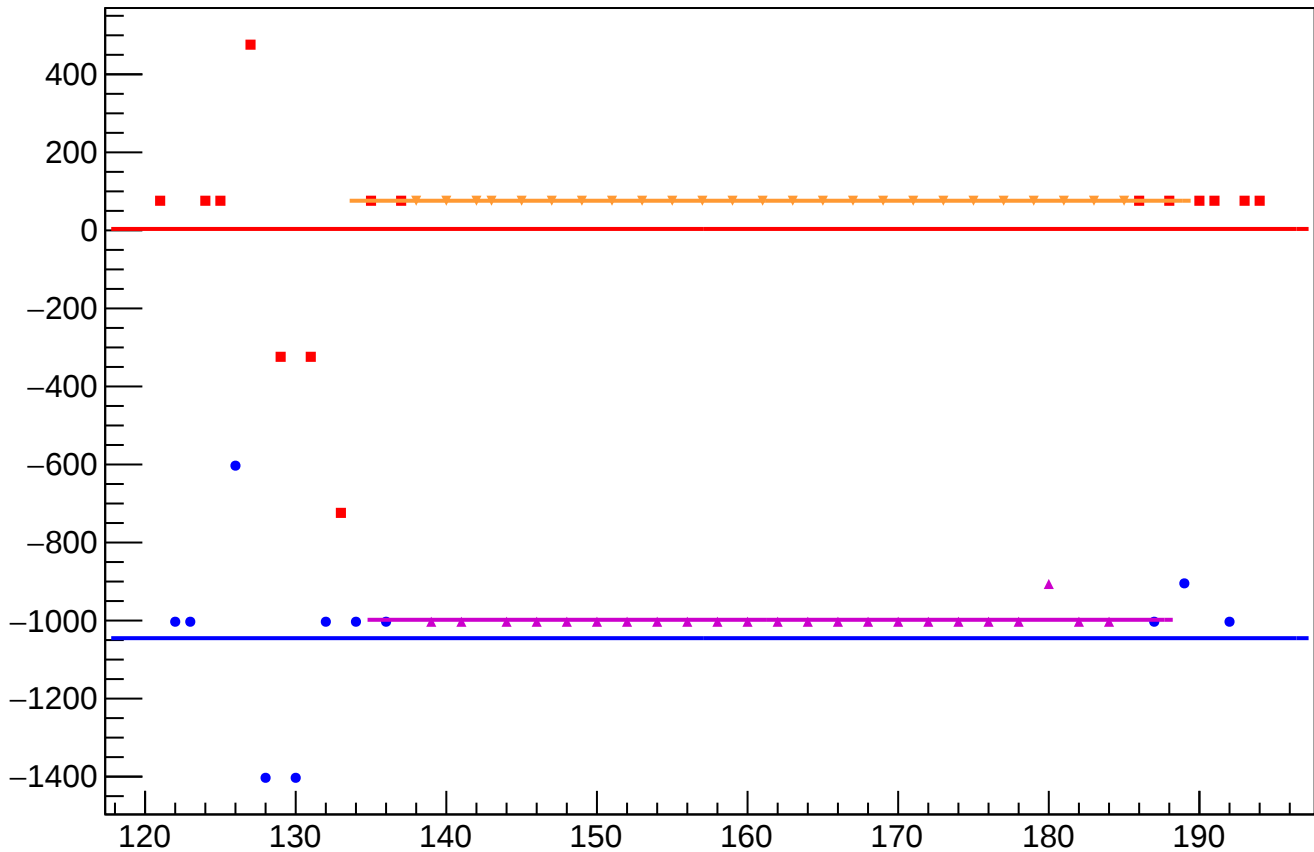
+ sign 16.183+/-0.000 χ^2/NDF : 3981980505861768
 All: 16.461+/-0.000 χ^2/NDF : 1251718171787
 - sign 16.733+/-0.000 χ^2/NDF : 4883432124270593

RTPAPOSUCNT_mean vs Slug



Right In: 867.682 $\pm$ 0.000 χ^2 /NDF: 6586179989374299032475669534202658816.0/10
 Left Out: 1146.011 $\pm$ 0.000 χ^2 /NDF: 8041760976861450519237885952.0/24
 Right Out: 1150.751 $\pm$ 0.000 χ^2 /NDF: 13745492009467254785936395826381193216.0/14
 Left In: 893.116 $\pm$ 0.000 χ^2 /NDF: 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1045.128 ± 0.000 χ^2/NDF : 22808502133777497764487577913993986048.0/10
 Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: 3.714 ± 0.000 χ^2/NDF : 43511650877114488946233768310002941952.0/14
 Left In: -998.020 ± 0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22