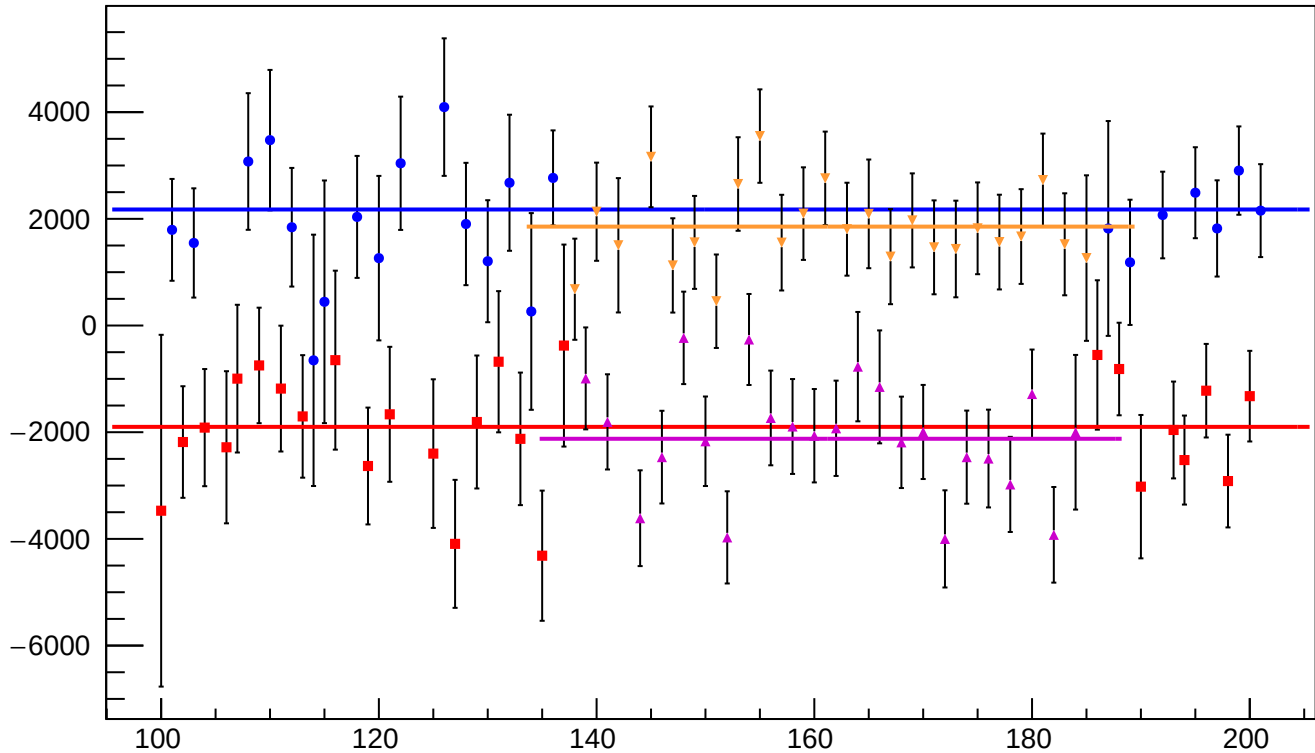


reg_asym_us_avg_mean vs Slug



Right In: 2175.341 $\pm$ 233.063

χ^2 /NDF: 11.4/22

Left Out: 1854.267 $\pm$ 187.405

χ^2 /NDF: 15.1/23

Right Out: -1899.786 $\pm$ 223.238

χ^2 /NDF: 18.5/25

Left In: -2123.138 $\pm$ 188.684

χ^2 /NDF: 32.0/22

+ sign 1980.345 $\pm$ 146.047

χ^2 /NDF: 27.7/46

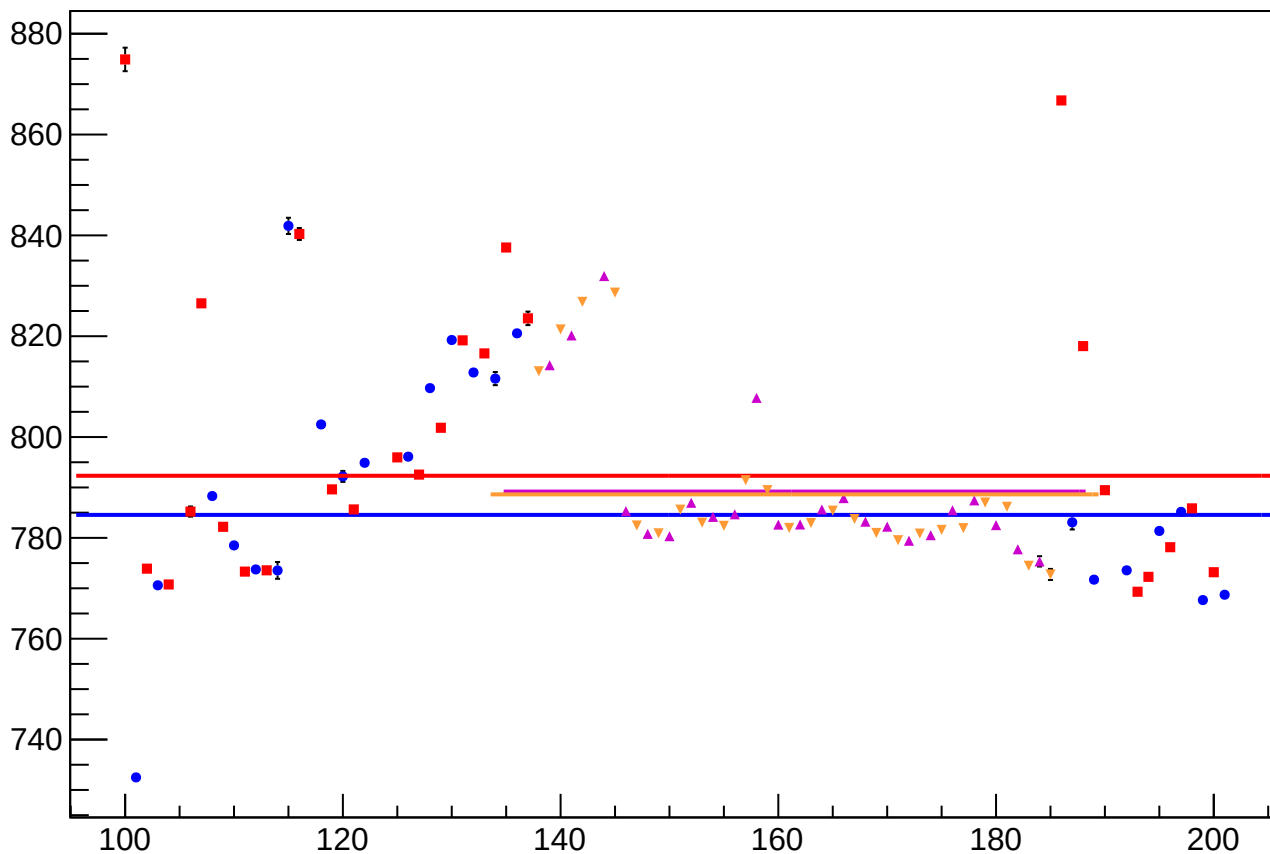
All: -51.689 $\pm$ 102.577

χ^2 /NDF: 460.8/95

- sign -2030.067 $\pm$ 144.106

χ^2 /NDF: 51.1/48

reg_asym_us_avg_rms vs Slug



Right In: 784.559 $\pm$ 0.165 χ^2 /NDF: 18333.3/22

Left Out: 788.629 $\pm$ 0.133 χ^2 /NDF: 11478.1/23

Right Out: 792.320 $\pm$ 0.158 χ^2 /NDF: 23367.2/25

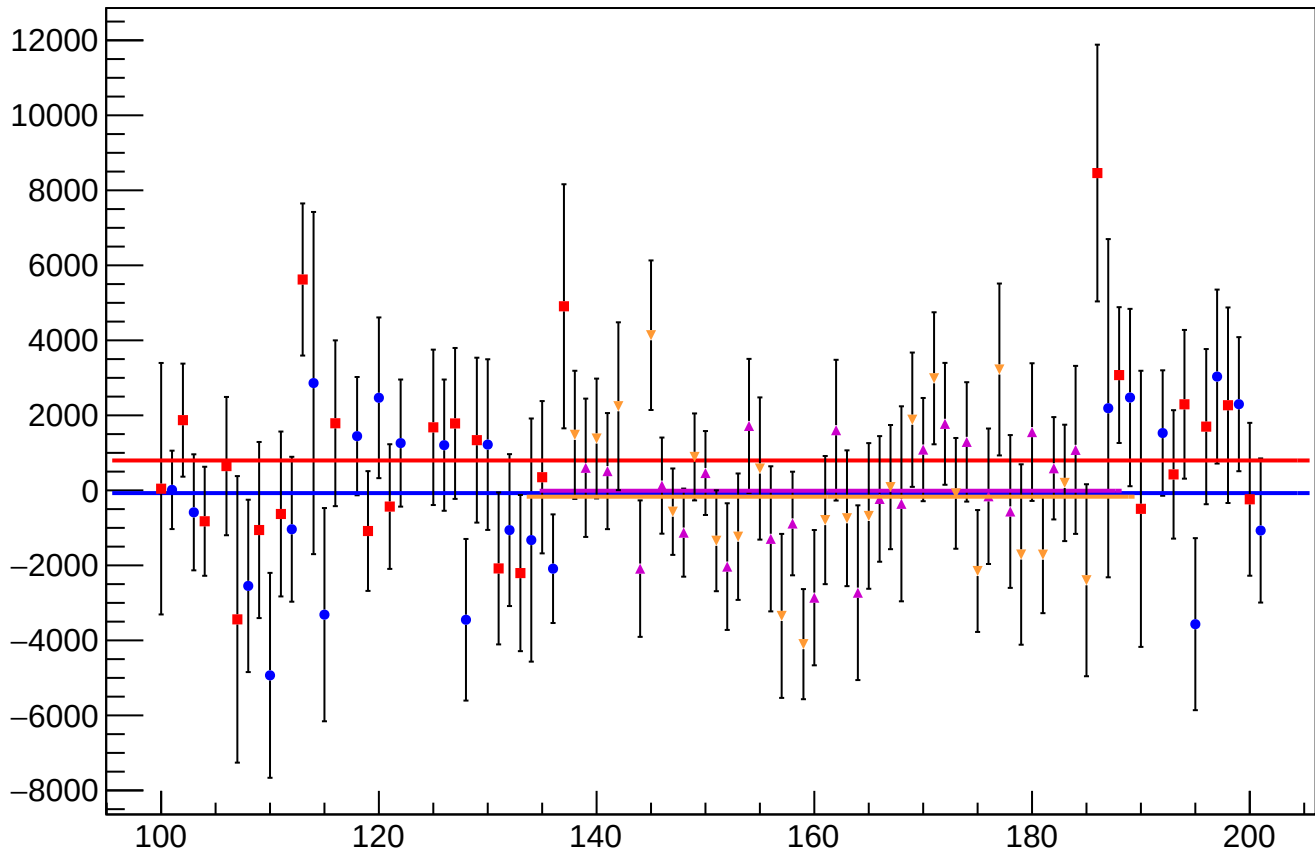
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF: 11343.2/22

+ sign 787.031 $\pm$ 0.103 χ^2 /NDF: 30181.8/46

All: 788.784 $\pm$ 0.073 χ^2 /NDF: 65691.2/95

- sign 790.491 $\pm$ 0.102 χ^2 /NDF: 34940.6/48

asym_us_avg_correction_mean vs Slug



Right In: -72.896 ± 402.871 χ^2/NDF : 23.5/22

Left Out: -169.172 ± 340.391 χ^2/NDF : 30.0/23

Right Out: 797.102 ± 403.727 χ^2/NDF : 26.2/25

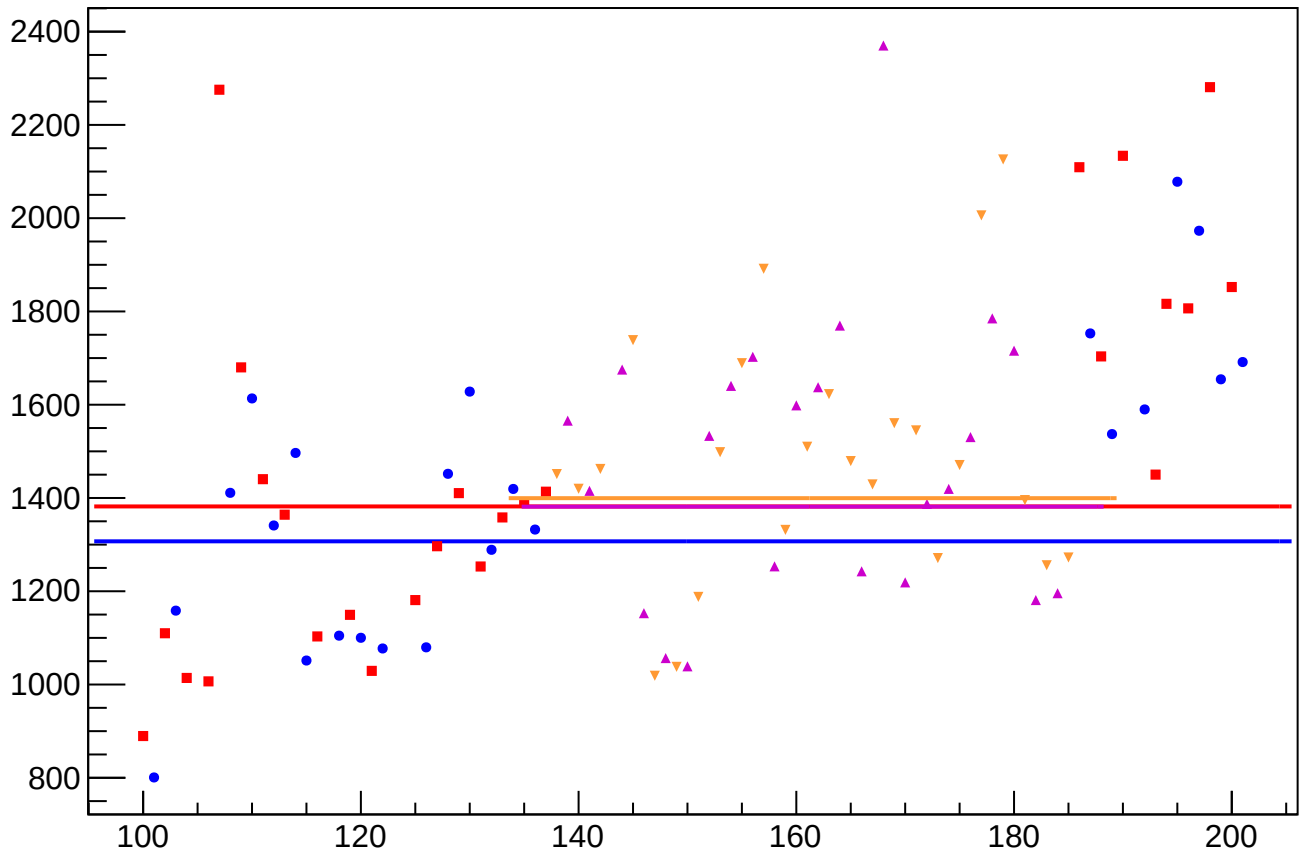
Left In: -10.093 ± 337.810 χ^2/NDF : 14.2/22

+ sign -129.070 ± 260.009 χ^2/NDF : 53.5/46

All: 97.430 ± 183.525 χ^2/NDF : 97.8/95

- sign 322.314 ± 259.080 χ^2/NDF : 42.8/48

asym_us_avg_correction_rms vs Slug



Right In: 1307.053+/-0.285 χ^2/NDF : 1353716.7/22

Left Out: 1399.587+/-0.241 χ^2/NDF :1119125.1/23

+ sign 1361.044+/-0.184 χ^2/NDF : 2534404.6/46

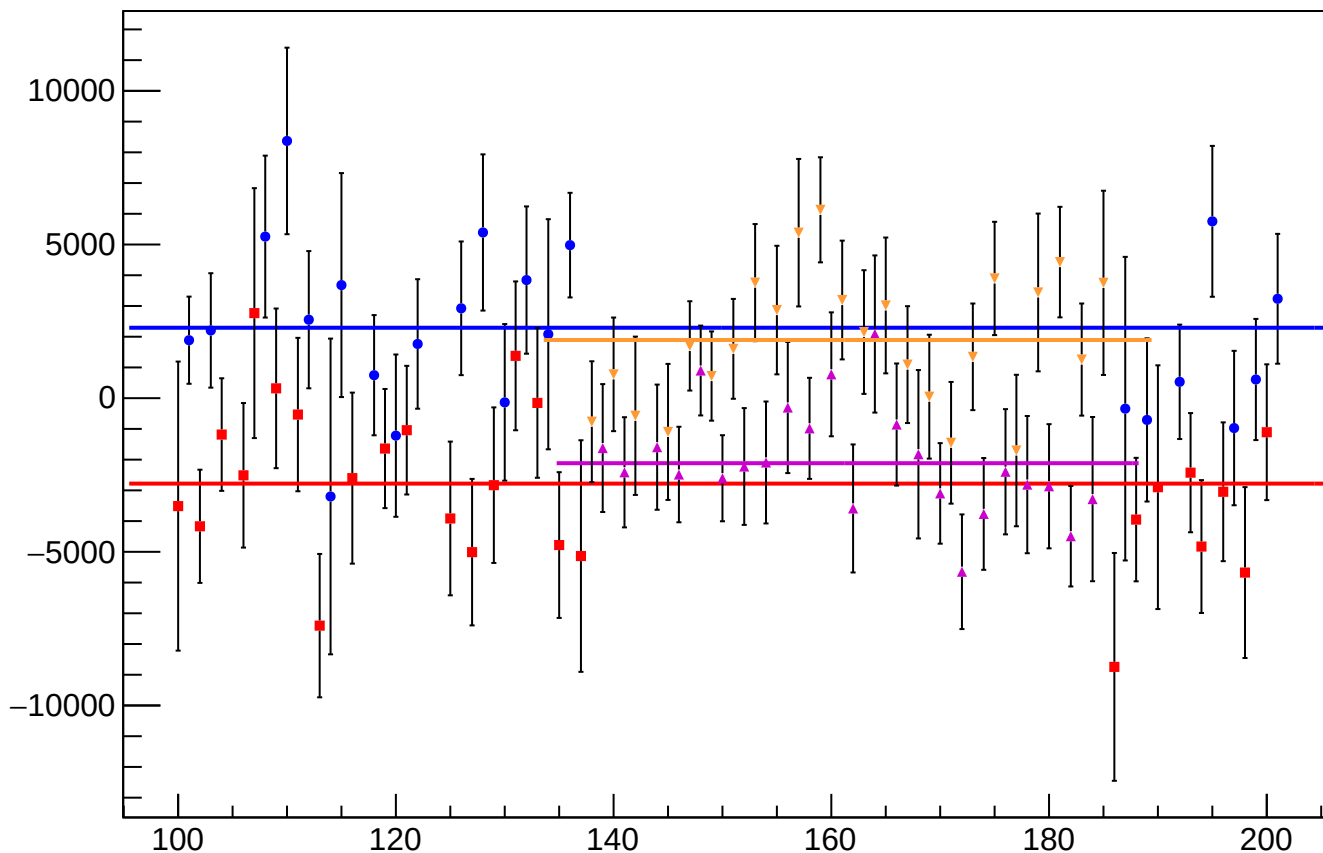
Right Out: 1381.874+/-0.285 χ^2/NDF : 1422693.0/25

All: 1371.344+/-0.130 χ^2/NDF : 5239842.9/95

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

- sign 1381.571+/-0.183 χ^2/NDF : 2699183.2/48

asym_us_avg_mean vs Slug



Right In: 2291.881 $\pm$ 478.353 χ^2/NDF : 21.6/22

Left Out: 1893.469 $\pm$ 394.877 χ^2/NDF : 25.9/23

Right Out: -2780.062 $\pm$ 473.051 χ^2/NDF : 22.2/25

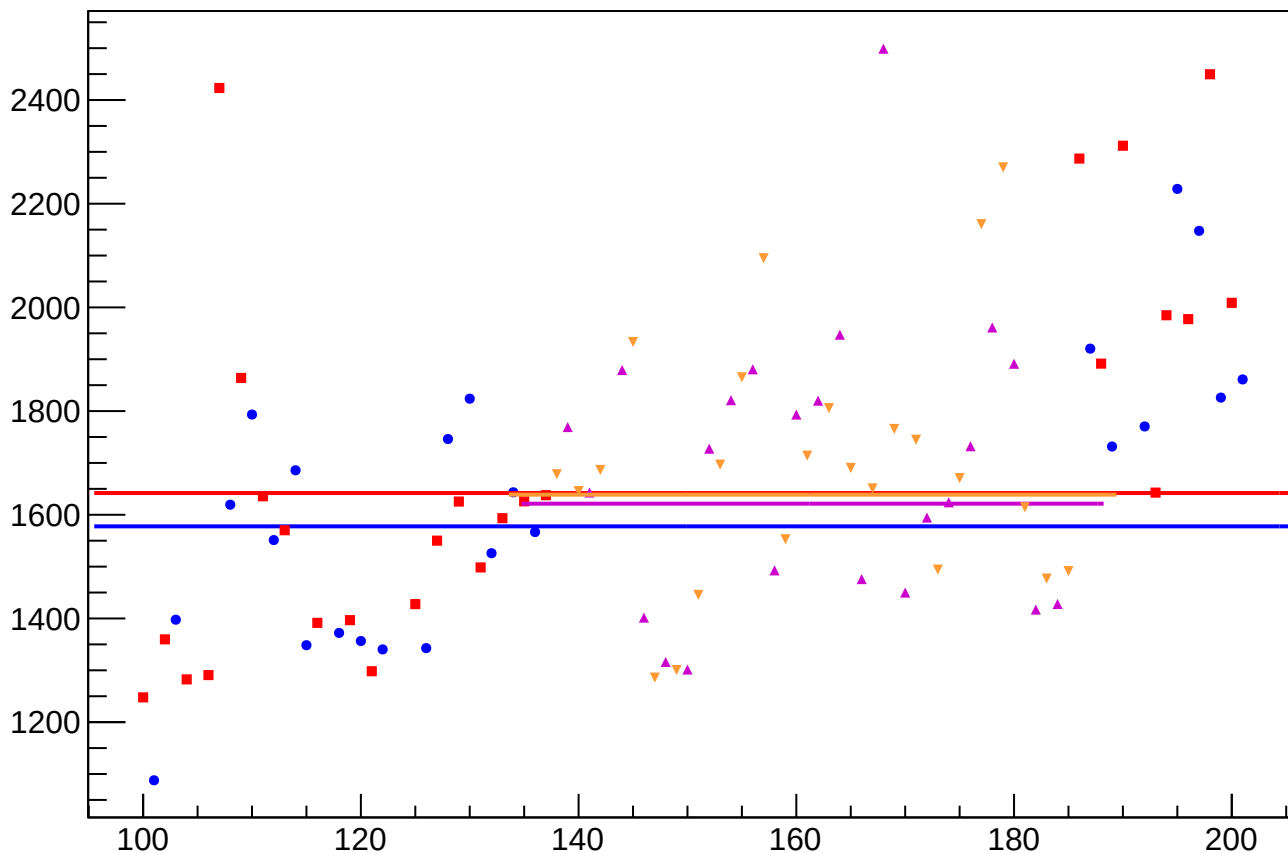
Left In: -2116.114 $\pm$ 392.997 χ^2/NDF : 18.8/22

+ sign 2054.934 $\pm$ 304.524 χ^2/NDF : 47.9/46

All: -182.509 $\pm$ 214.536 χ^2/NDF : 197.3/95

- sign -2387.235 $\pm$ 302.289 χ^2/NDF : 42.2/48

asym_us_avg_rms vs Slug



Right In: 1577.685 $\pm$ 0.338 χ^2 /NDF: 739868.9/22

Left Out: 1638.806 $\pm$ 0.279 χ^2 /NDF: 671906.6/23

Right Out: 1641.932 $\pm$ 0.334 χ^2 /NDF: 867625.1/25

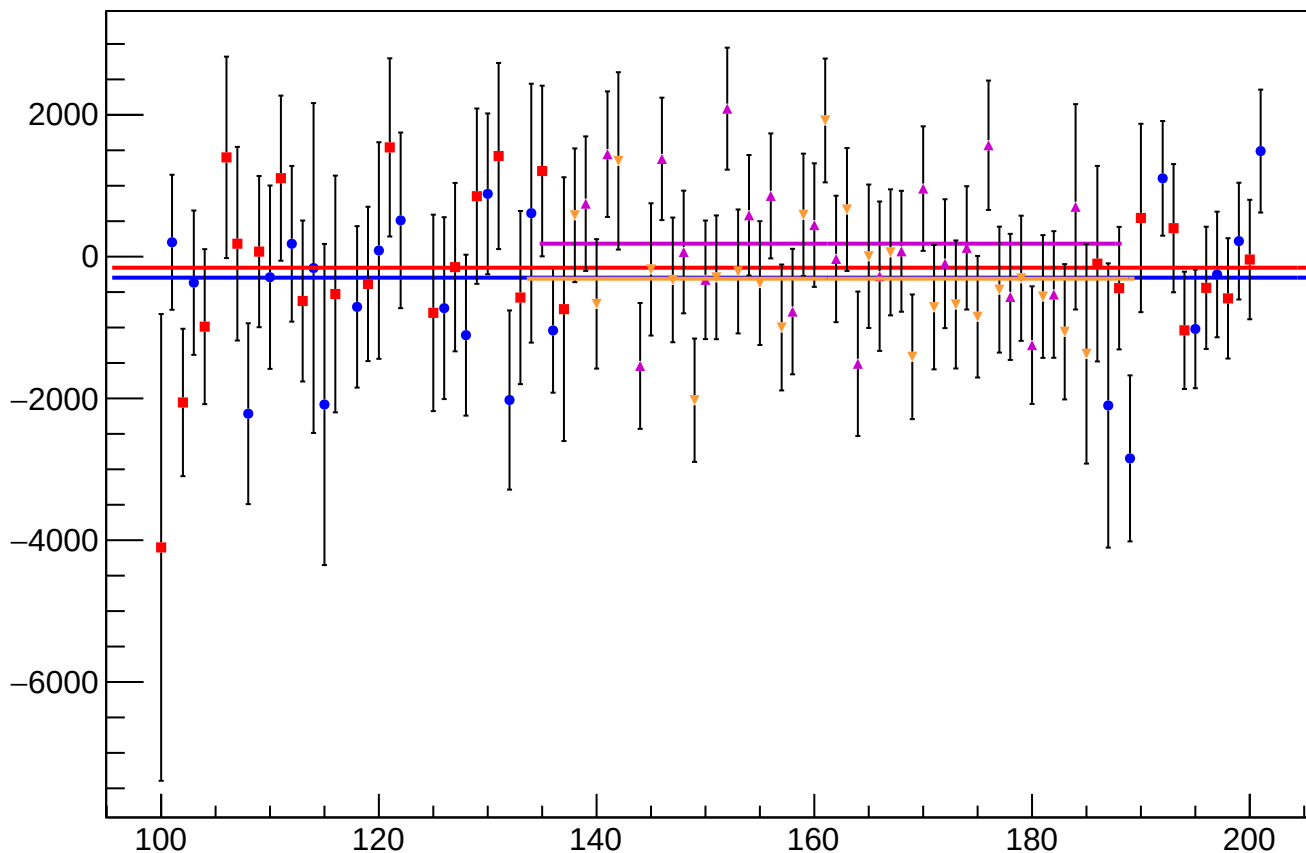
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1614.035 $\pm$ 0.215 χ^2 /NDF: 1431195.1/46

All: 1621.973 $\pm$ 0.152 χ^2 /NDF: 3079053.5/95

- sign 1629.794 $\pm$ 0.214 χ^2 /NDF: 1645160.7/48

reg_asym_us_dd_mean vs Slug



Right In: -296.501 ± 230.994 χ^2/NDF : 22.5/22

Left Out: -310.563 ± 186.538 χ^2/NDF : 20.0/23

Right Out: -156.082 ± 220.943 χ^2/NDF : 16.0/25

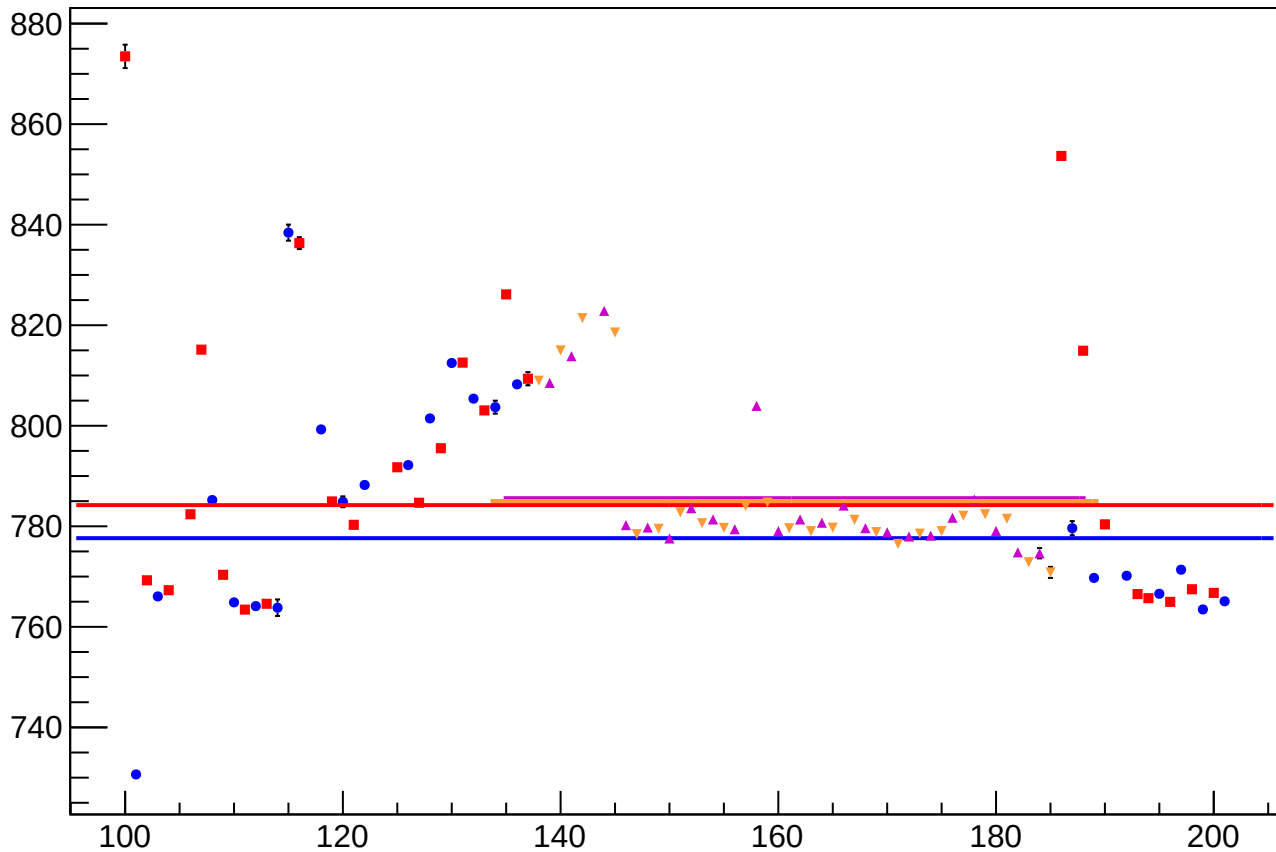
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -305.012 ± 145.126 χ^2/NDF : 42.5/46

All: -129.728 ± 101.896 χ^2/NDF : 88.9/95

- sign 40.698 ± 143.100 χ^2/NDF : 43.5/48

reg_asym_us_dd_rms vs Slug



Right In: 777.639 $\pm$ 0.163 χ^2 /NDF: 16678.2/22

Left Out: 785.031 $\pm$ 0.132 χ^2 /NDF: 9367.9/23

Right Out: 784.212 $\pm$ 0.156 χ^2 /NDF: 23376.6/25

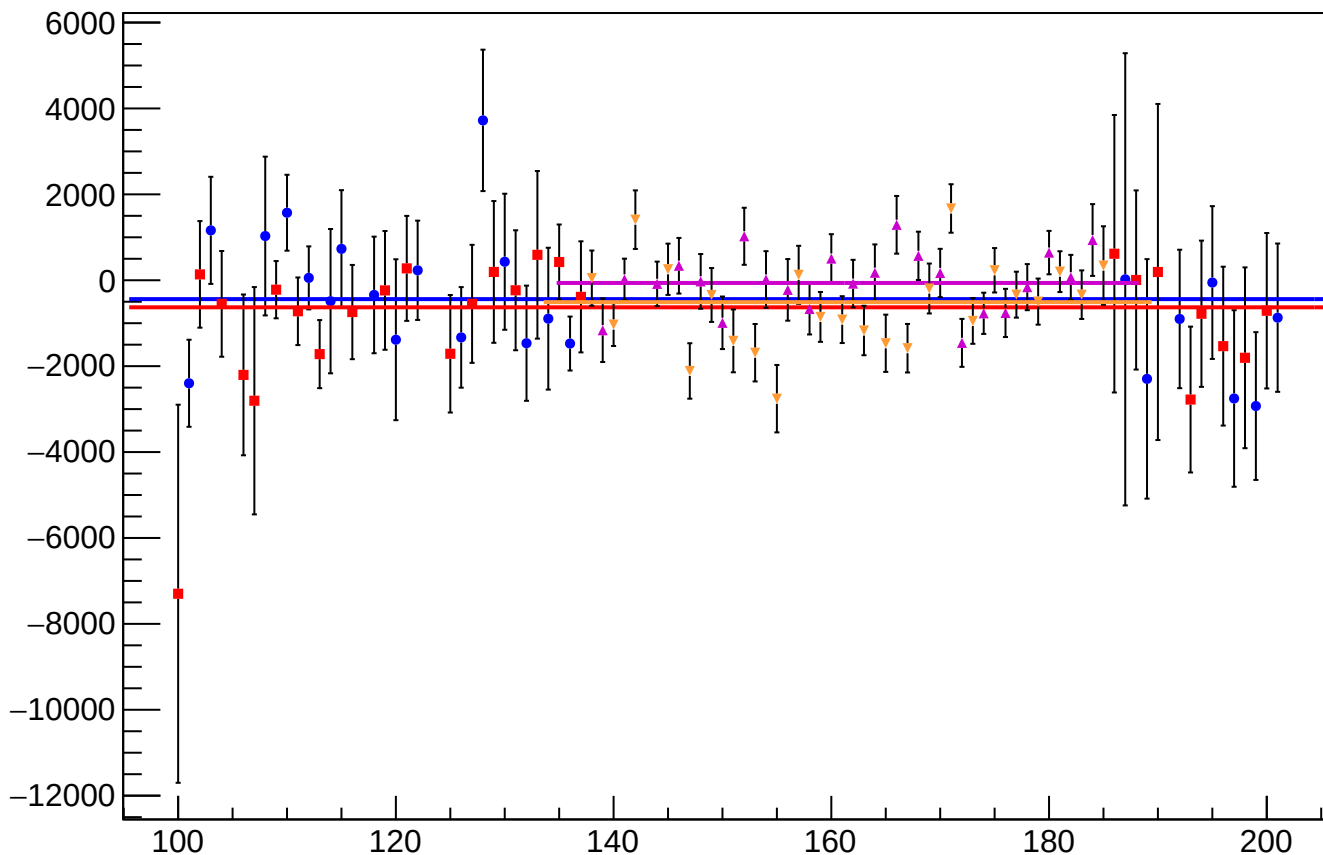
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 782.113 $\pm$ 0.103 χ^2 /NDF: 27285.8/46

All: 783.583 $\pm$ 0.072 χ^2 /NDF: 60486.5/95

- sign 785.013 $\pm$ 0.101 χ^2 /NDF: 32795.6/48

asym_us_dd_correction_mean vs Slug



Right In: -439.074 ± 264.950 χ^2/NDF : 27.6/22

Left Out: -509.311 ± 121.190 χ^2/NDF : 60.5/23

Right Out: -630.201 ± 255.717 χ^2/NDF : 12.3/25

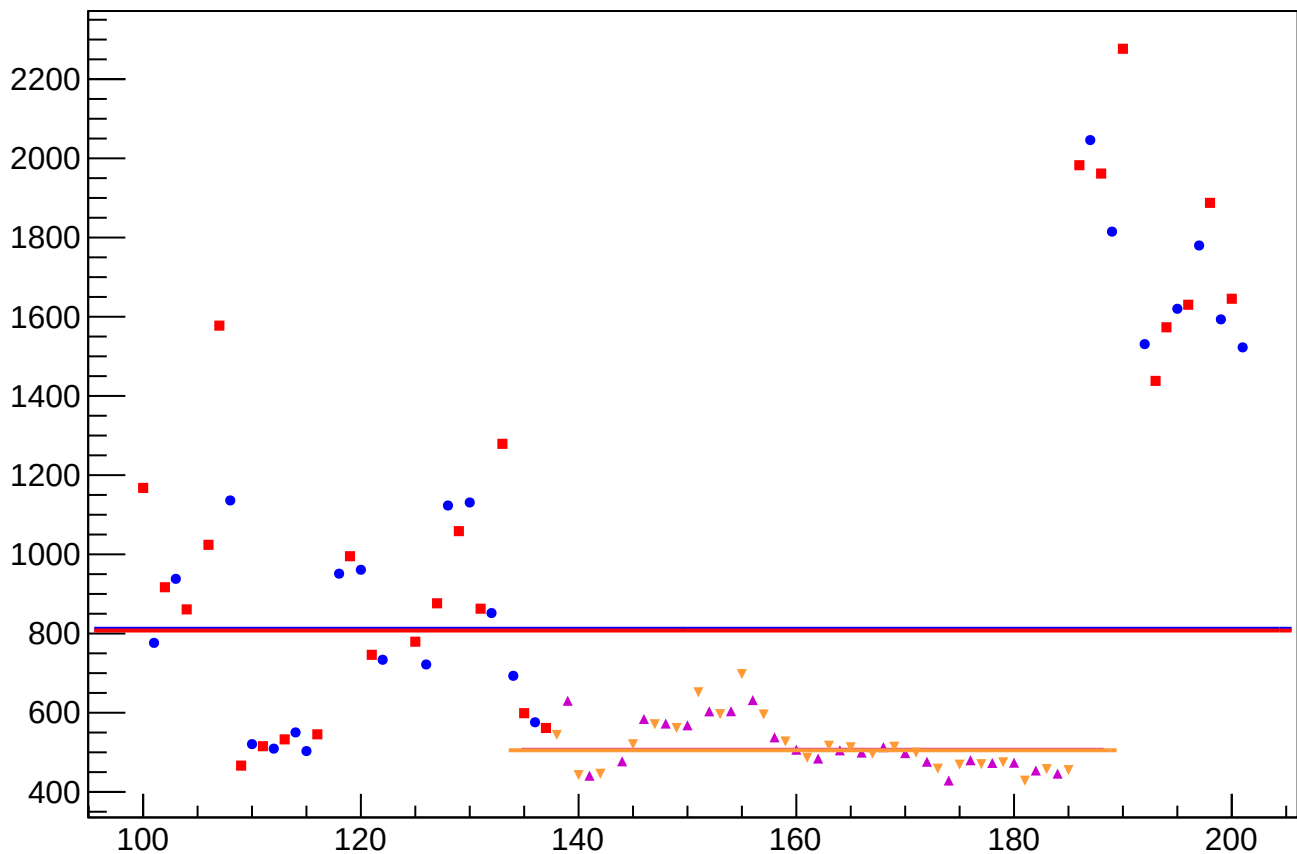
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -497.158 ± 110.208 χ^2/NDF : 88.2/46

All: -332.503 ± 77.906 χ^2/NDF : 137.8/95

- sign -168.041 ± 110.144 χ^2/NDF : 45.1/48

asym_us_dd_correction_rms vs Slug



Right In: 812.063 $\pm$ 0.187 χ^2 /NDF: 3669410.0/22

Left Out: 505.220 $\pm$ 0.086 χ^2 /NDF:485593.0/23

Right Out: 807.653 $\pm$ 0.181 χ^2 /NDF: 4974118.1/25

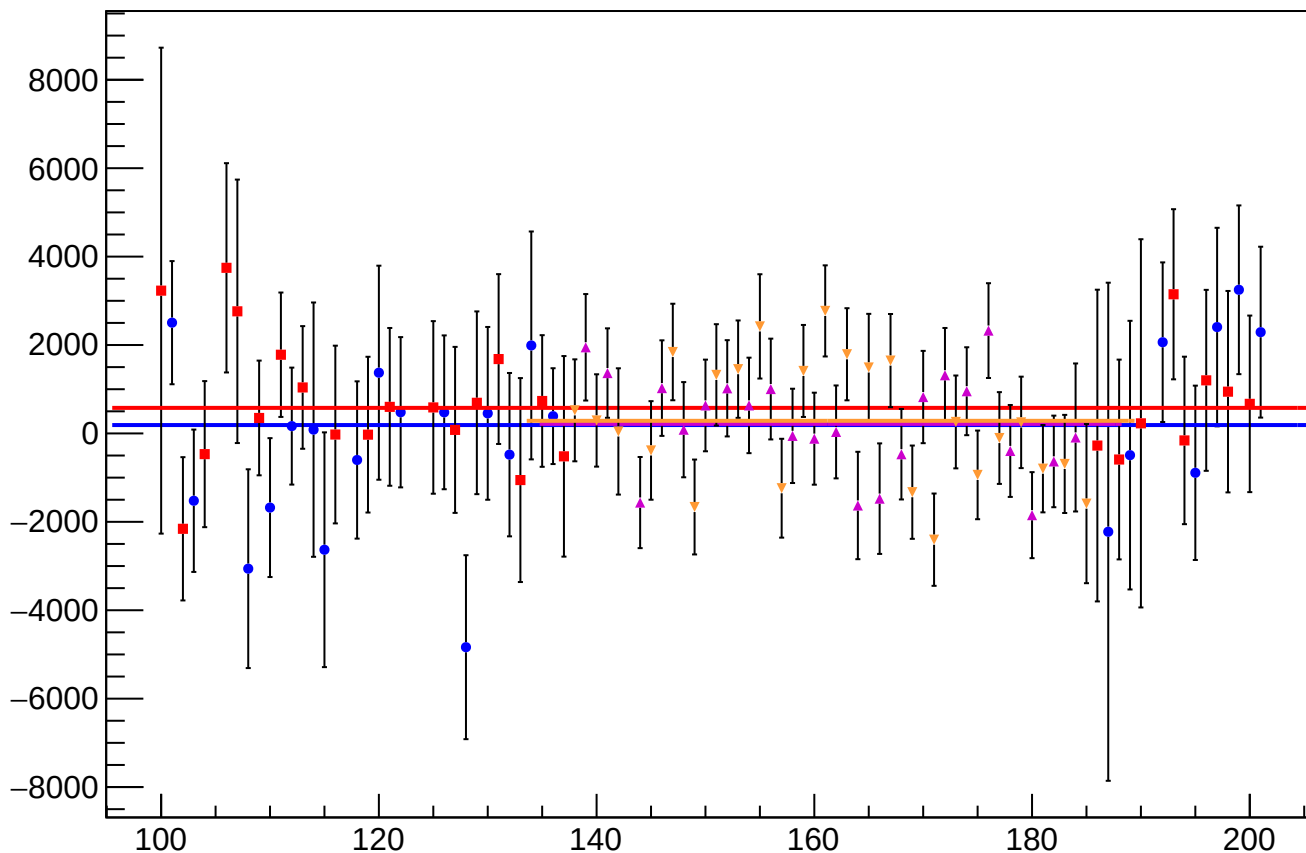
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF:436294.4/22

+ sign 558.311 $\pm$ 0.078 χ^2 /NDF: 6373345.5/46

All: 560.293 $\pm$ 0.055 χ^2 /NDF: 14046093.0/95

- sign 562.274 $\pm$ 0.078 χ^2 /NDF: 7671453.6/48

asym_us_dd_mean vs Slug



Right In: 189.408 $\pm$ 385.401 χ^2 /NDF: 21.9/22

Left Out: 285.144 $\pm$ 224.378 χ^2 /NDF: 38.3/23

Right Out: 578.037 $\pm$ 377.358 χ^2 /NDF: 10.4/25

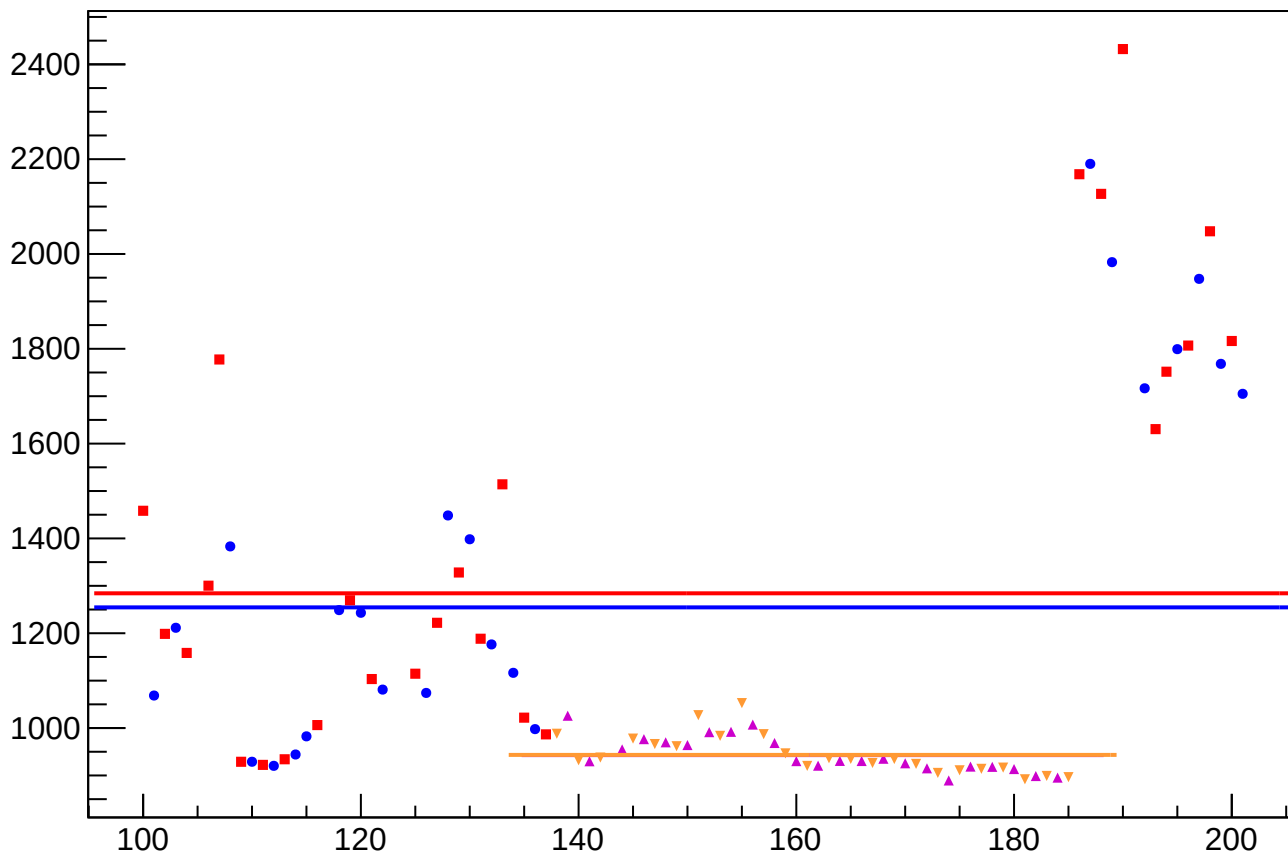
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF: 24.4/22

+ sign 260.909 $\pm$ 193.909 χ^2 /NDF: 60.2/46

All: 286.198 $\pm$ 137.017 χ^2 /NDF: 95.7/95

- sign 311.415 $\pm$ 193.635 χ^2 /NDF: 35.5/48

asym_us_dd_rms vs Slug



Right In: 1254.551+/-0.273 χ^2/NDF : 1391239.7/22

Left Out: 943.351+/-0.159 χ^2/NDF : 60365.2/23

Right Out: 1284.228+/-0.267 χ^2/NDF : 1921579.5/25

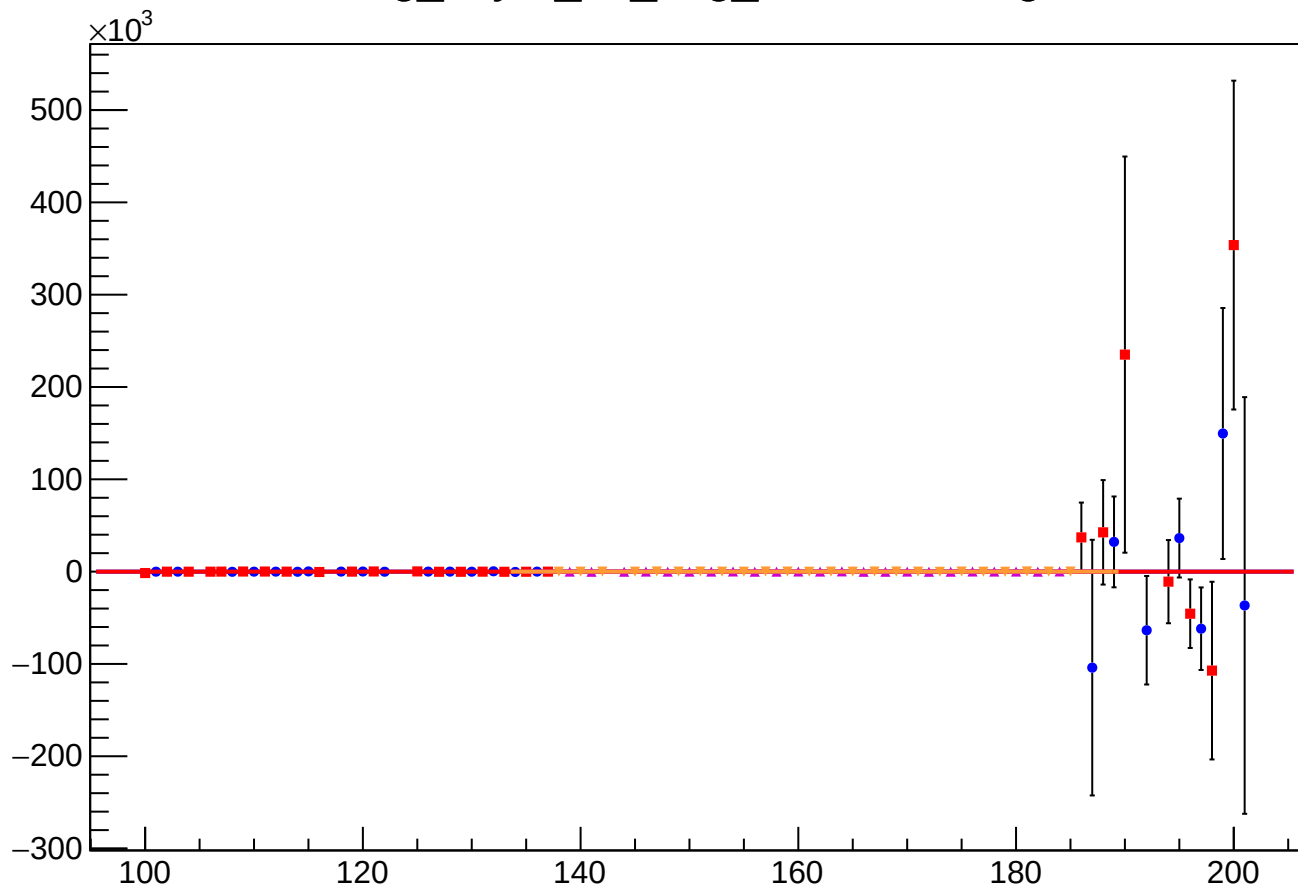
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1022.130+/-0.137 χ^2/NDF : 2425520.3/46

All: 1027.469+/-0.097 χ^2/NDF : 5603805.6/95

- sign 1032.793+/-0.137 χ^2/NDF : 3175256.9/48

reg_asym_ds_avg_mean vs Slug



Right In: -15.564 ± 30.032 $\chi^2/\text{NDF}: 22.0/22$

Left Out: 3.710 ± 21.467 $\chi^2/\text{NDF}: 22.4/23$

Right Out: -31.749 ± 30.492 $\chi^2/\text{NDF}: 26.3/24$

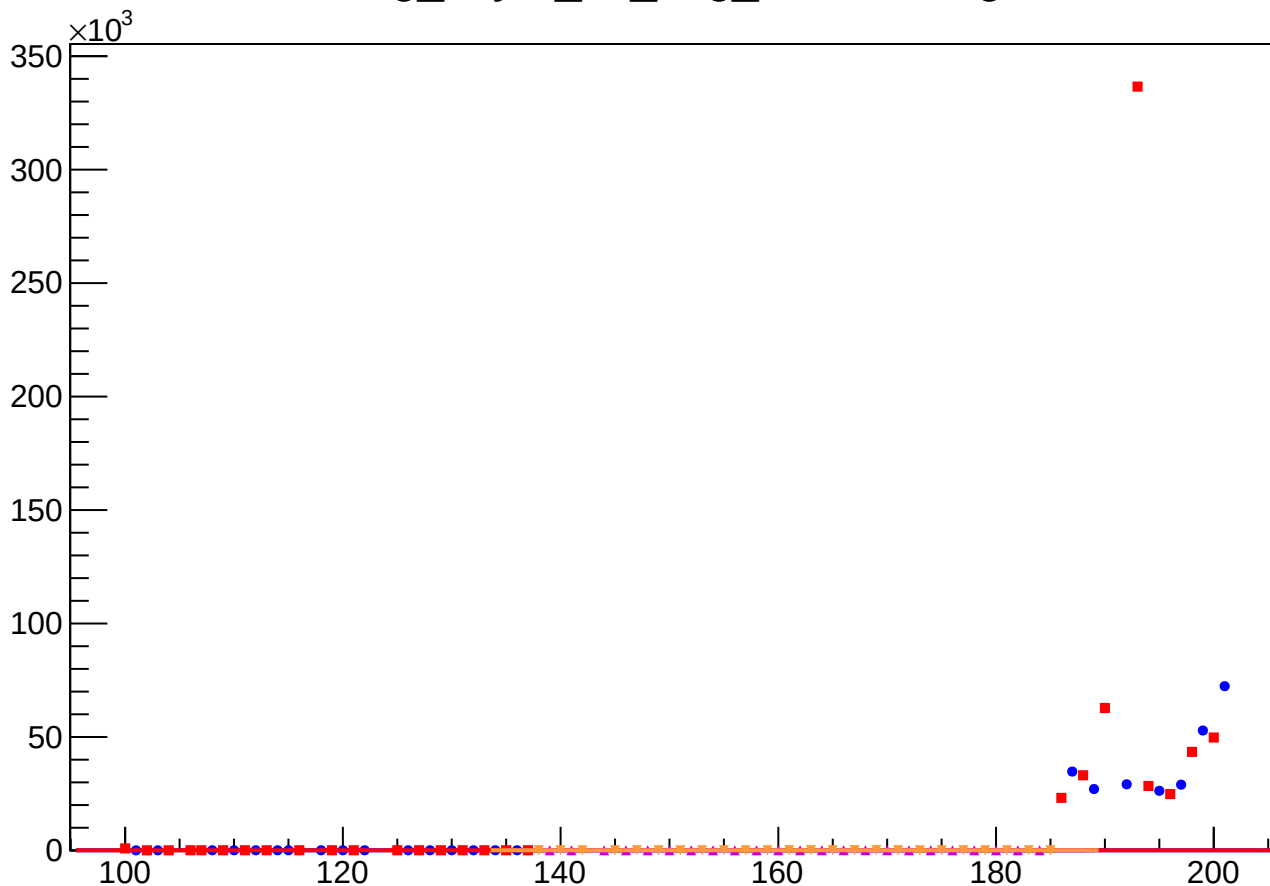
Left In: 22.931 ± 21.584 $\chi^2/\text{NDF}: 22.5/22$

+ sign -2.808 ± 17.464 $\chi^2/\text{NDF}: 44.7/46$

All: 0.903 ± 12.403 $\chi^2/\text{NDF}: 95.7/94$

- sign 4.678 ± 17.617 $\chi^2/\text{NDF}: 50.9/47$

reg_asym_ds_avg_rms vs Slug



Right In: 76.103 $\pm$ 0.021 χ^2 /NDF: 3830319.3/22

Left Out: 89.692 $\pm$ 0.015 χ^2 /NDF: 466281.5/23

Right Out: 79.433 $\pm$ 0.022 χ^2 /NDF: 4348386.8/25

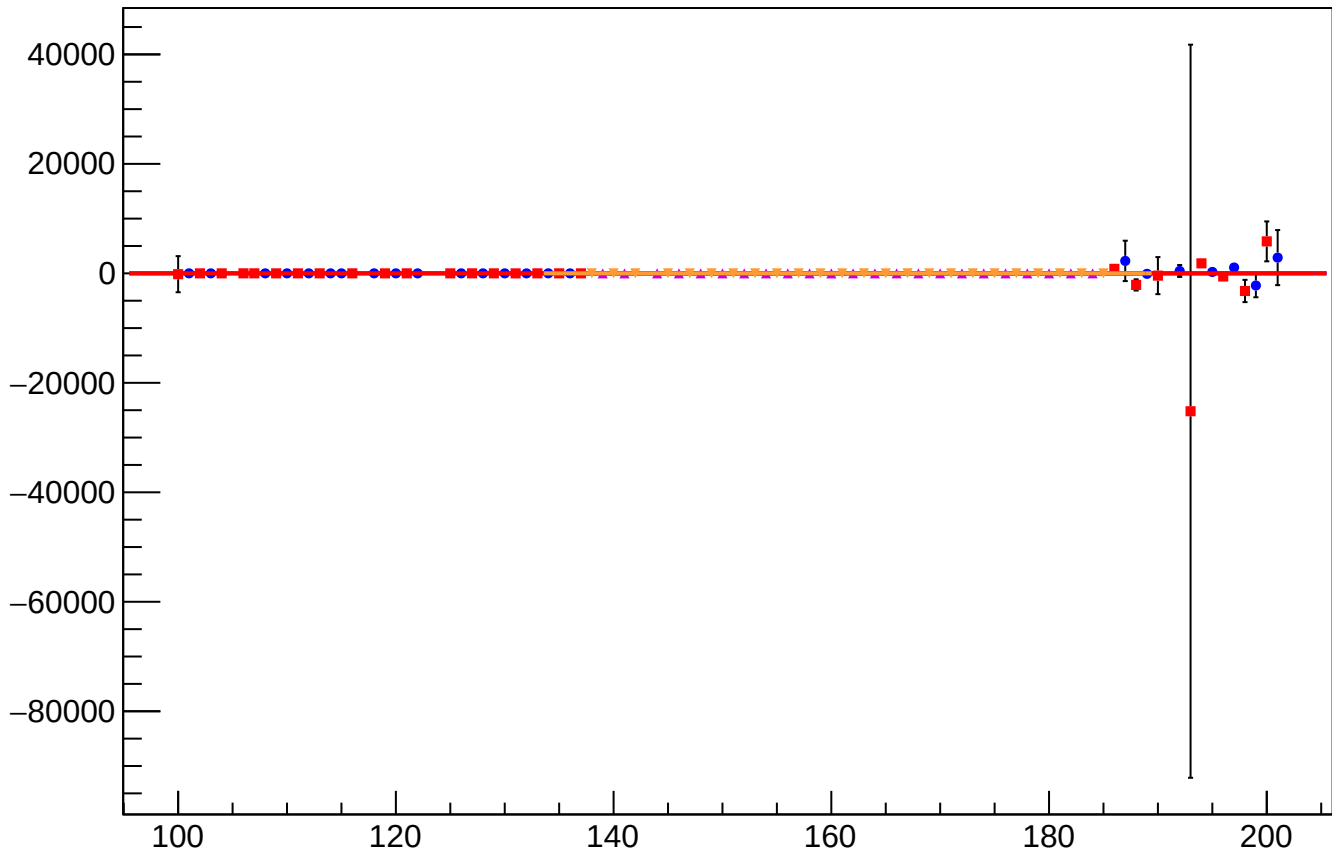
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.097 $\pm$ 0.012 χ^2 /NDF: 4567594.7/46

All: 85.645 $\pm$ 0.009 χ^2 /NDF: 9576459.7/95

- sign 86.203 $\pm$ 0.012 χ^2 /NDF: 5004887.1/48

asym_ds_avg_correction_mean vs Slug



Right In: -0.289 ± 0.502 χ^2/NDF : 24.3/22

Left Out: 0.126 ± 0.377 χ^2/NDF : 21.3/23

Right Out: -0.038 ± 0.525 χ^2/NDF : 25.4/25

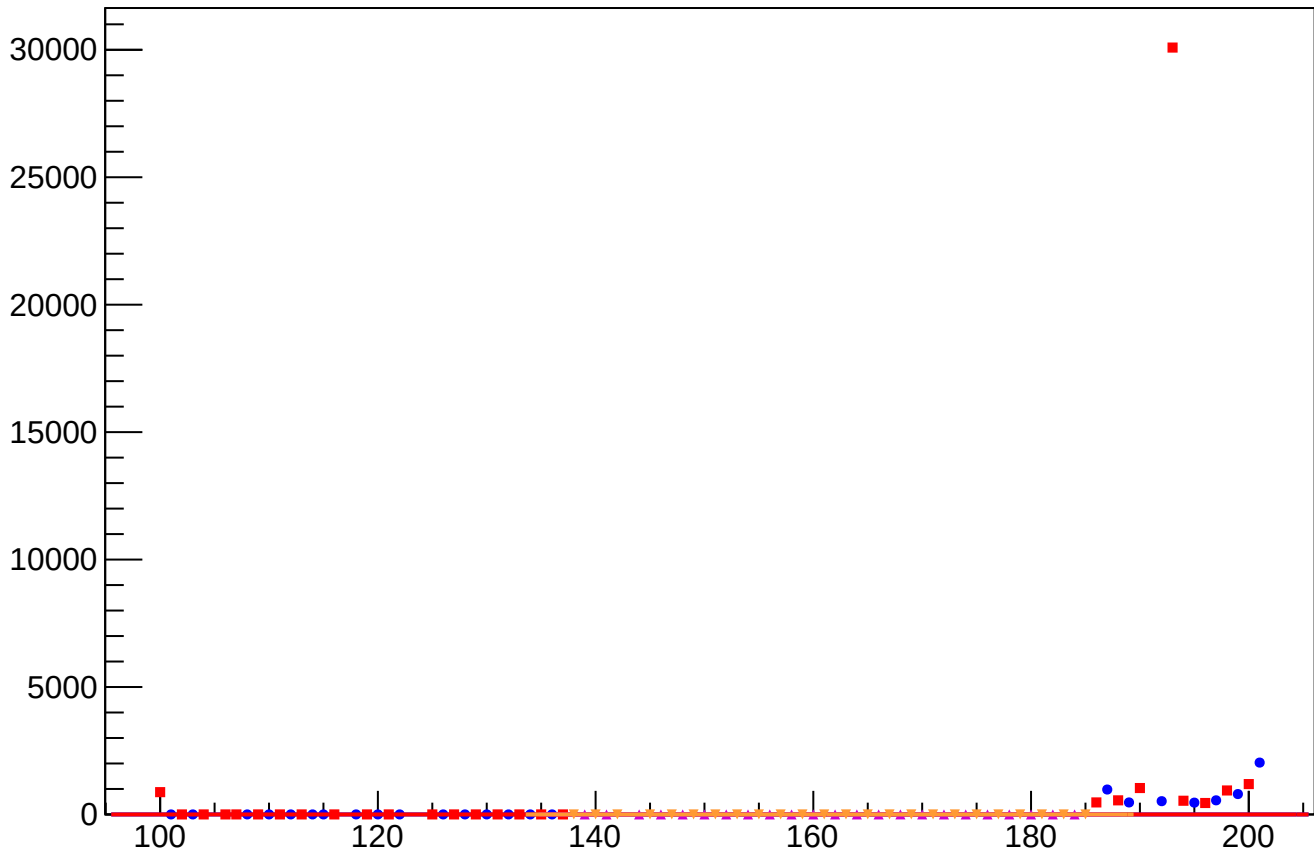
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 ± 0.301 χ^2/NDF : 46.1/46

All: 0.144 ± 0.217 χ^2/NDF : 99.2/95

- sign 0.323 ± 0.312 χ^2/NDF : 52.4/48

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 3611770.1/22

Left Out: 1.408+/-0.000 χ^2/NDF : 987553.0/23

Right Out: 1.260+/-0.000 χ^2/NDF : 4504677.2/25

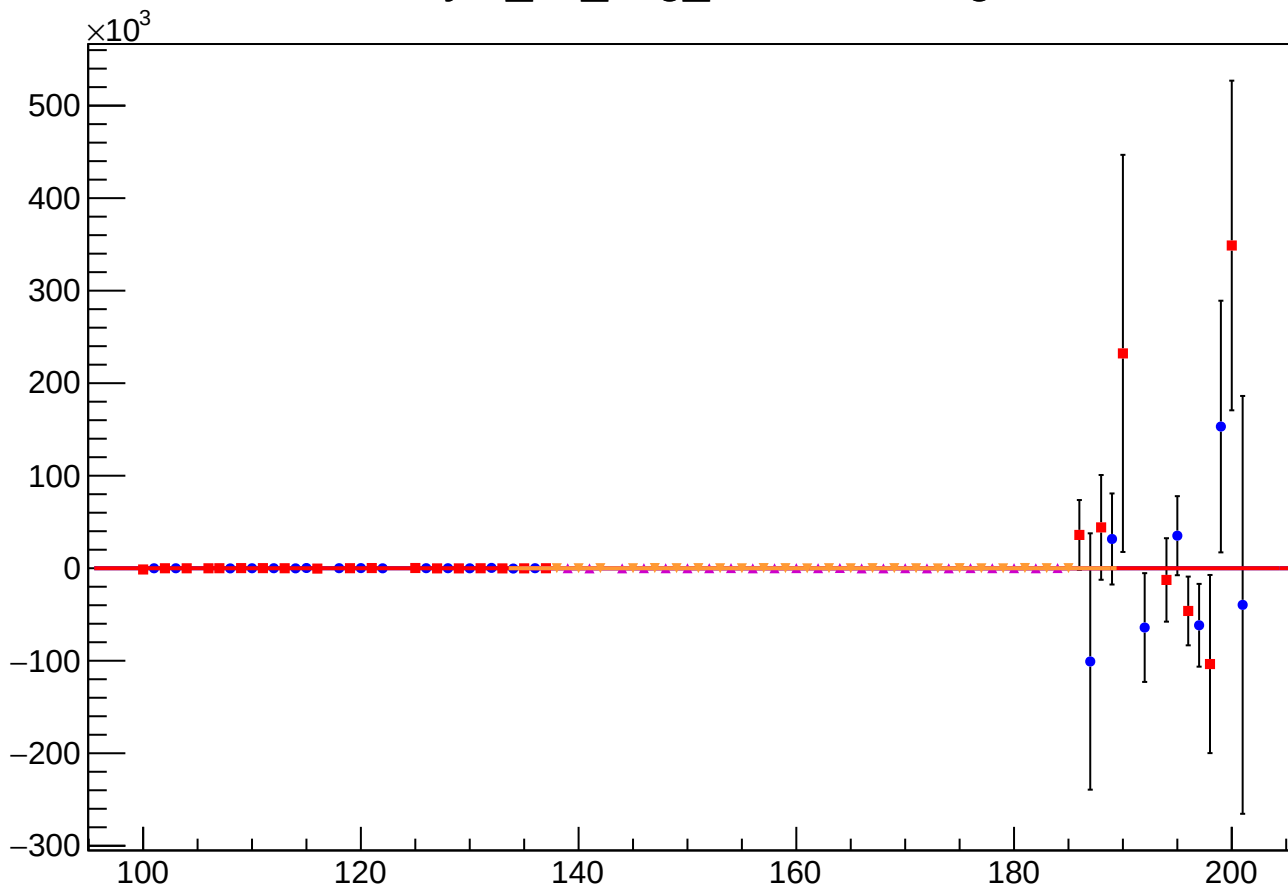
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 4931246.7/46

All: 1.350+/-0.000 χ^2/NDF : 10658105.8/95

- sign 1.385+/-0.000 χ^2/NDF : 5676140.0/48

asym_ds_avg_mean vs Slug



Right In: -14.501 ± 30.040 χ^2/NDF : 22.2/22

Left Out: 3.497 ± 21.474 χ^2/NDF : 22.1/23

Right Out: -32.029 ± 30.500 χ^2/NDF : 26.1/24

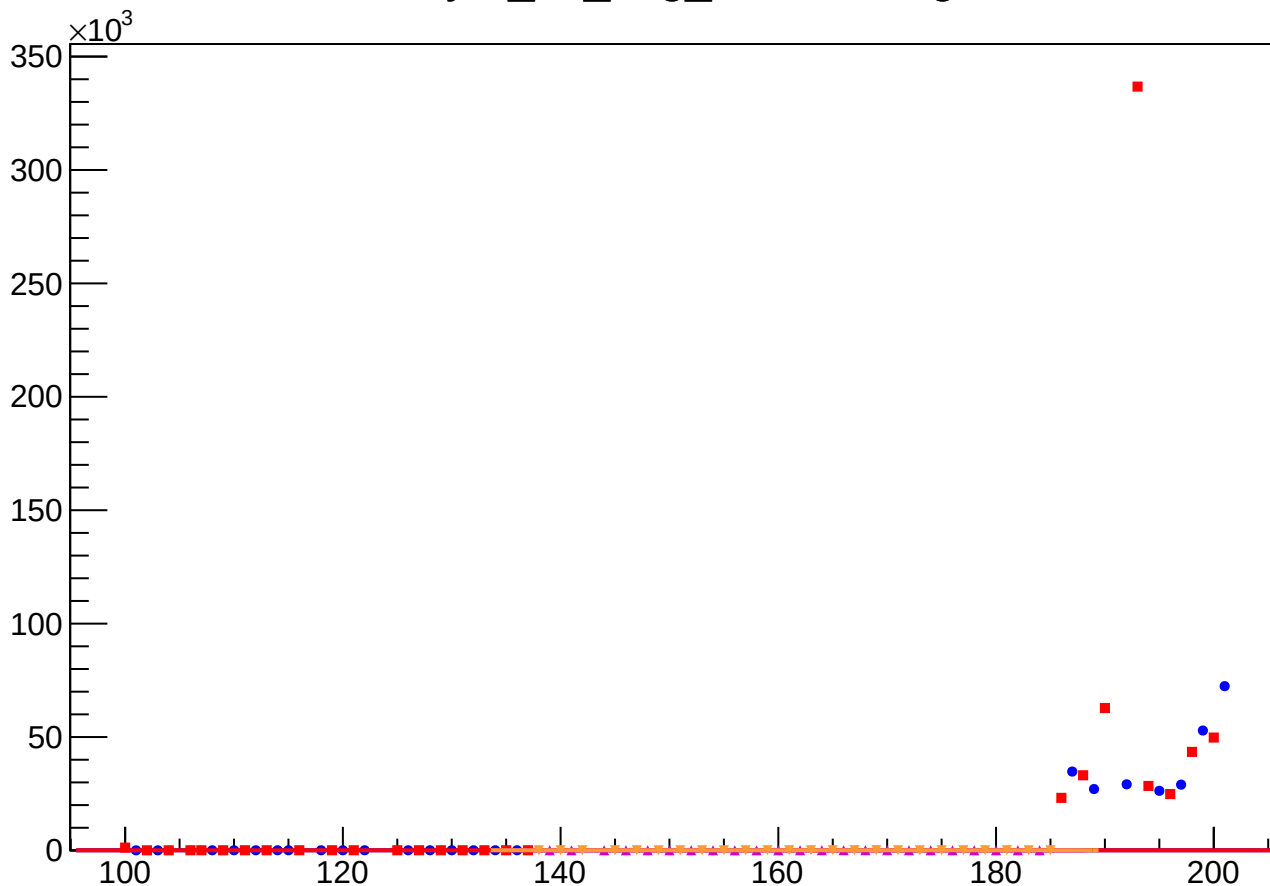
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -2.590 ± 17.470 χ^2/NDF : 44.6/46

All: 0.805 ± 12.407 χ^2/NDF : 95.2/94

- sign 4.260 ± 17.623 χ^2/NDF : 50.5/47

asym_ds_avg_rms vs Slug



Right In: 76.123 $\pm$ 0.021 χ^2/NDF : 3830430.8/22

Left Out: 89.719 $\pm$ 0.015 χ^2/NDF : 467023.5/23

Right Out: 79.437 $\pm$ 0.022 χ^2/NDF : 4354969.9/25

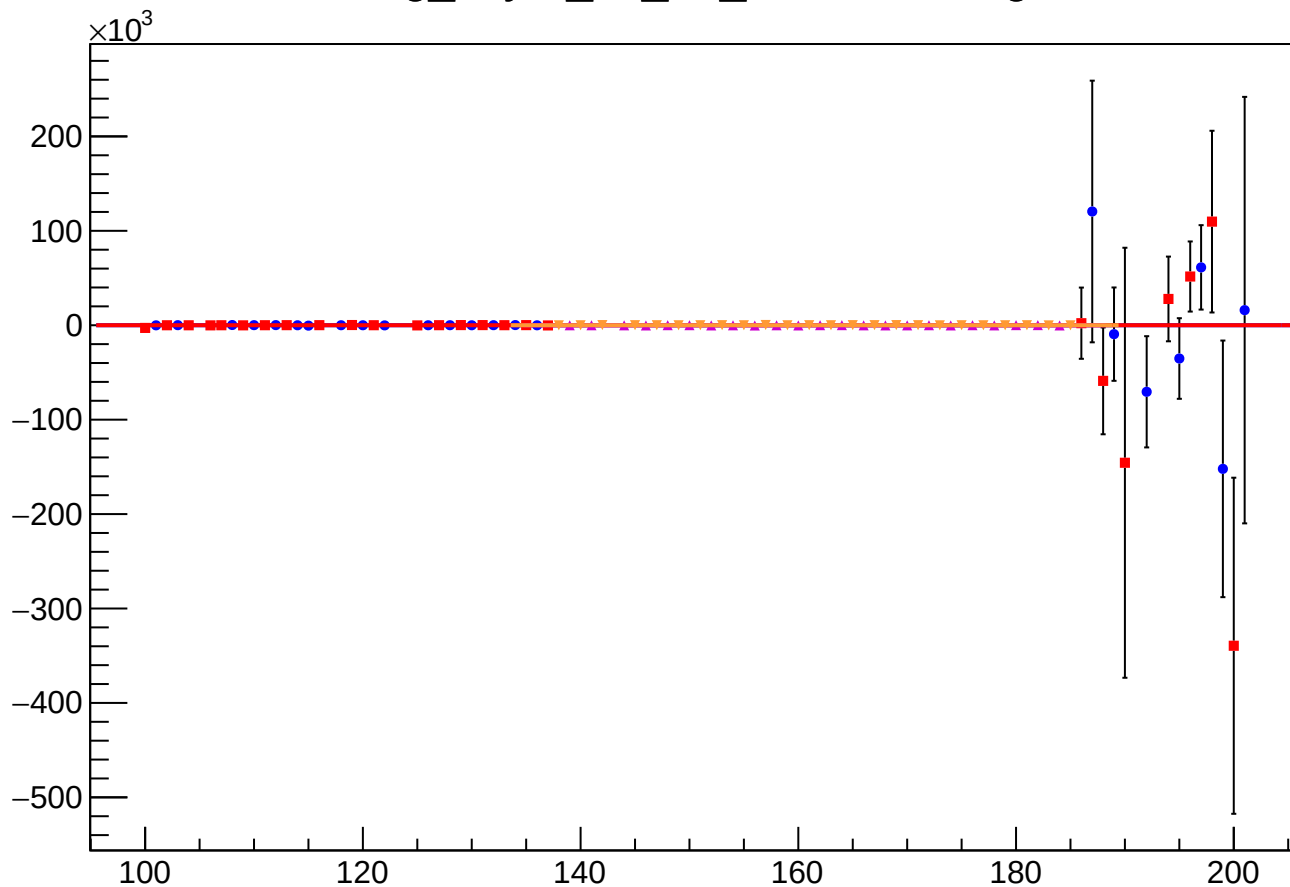
Left In: 89.622 $\pm$ 0.015 χ^2/NDF : 509391.8/22

+ sign 85.121 $\pm$ 0.012 χ^2/NDF : 4568576.0/46

All: 85.667 $\pm$ 0.009 χ^2/NDF : 9585455.7/95

- sign 86.222 $\pm$ 0.012 χ^2/NDF : 5012942.6/48

reg_asym_ds_dd_mean vs Slug



Right In: 8.100 ± 30.012 χ^2/NDF : 20.1/22

Left Out: 15.274 ± 21.472 χ^2/NDF : 17.2/23

Right Out: 25.805 ± 30.473 χ^2/NDF : 21.5/24

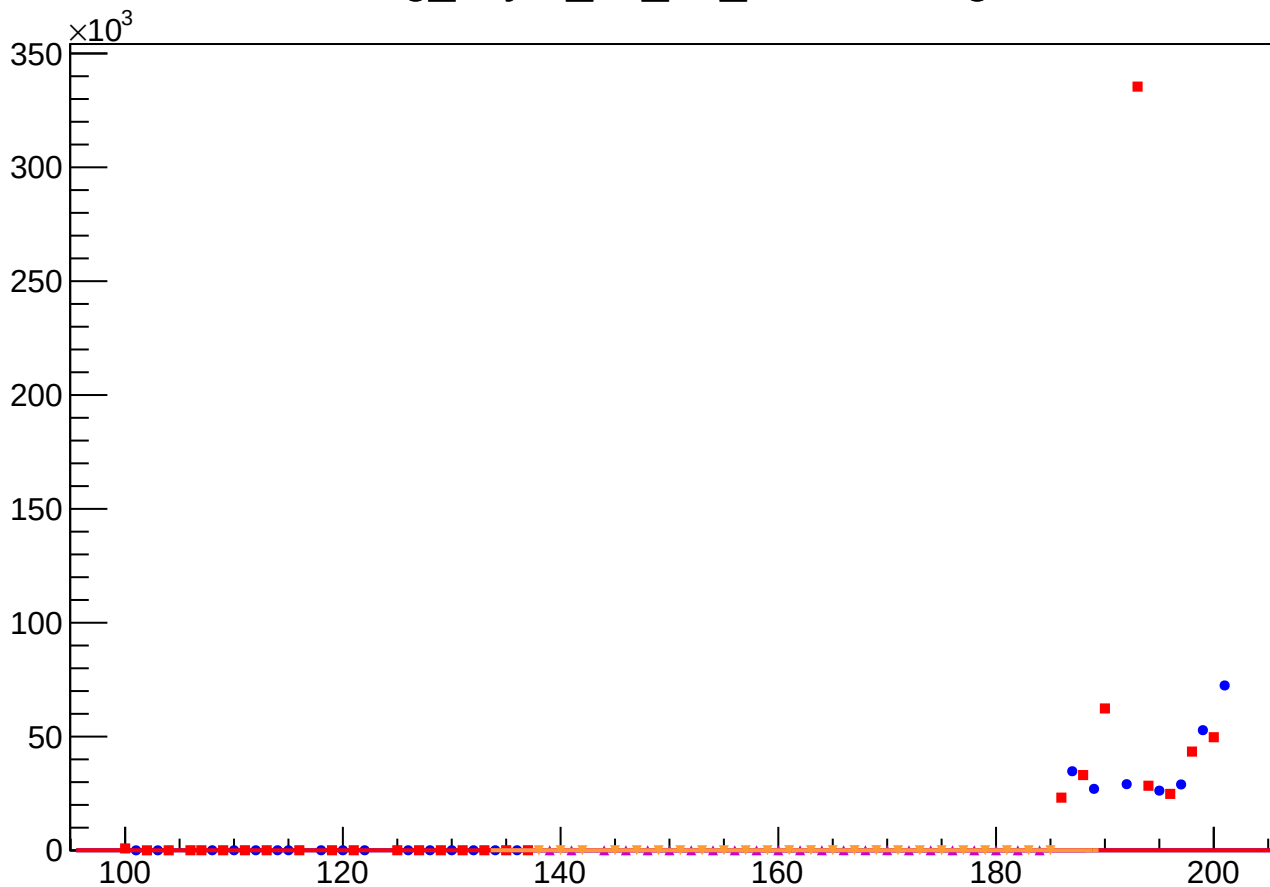
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.845 ± 17.463 χ^2/NDF : 37.3/46

All: -3.572 ± 12.403 χ^2/NDF : 95.5/94

- sign -20.282 ± 17.618 χ^2/NDF : 56.4/47

reg_asym_ds_dd_rms vs Slug



Right In: 76.054 $\pm$ 0.021 χ^2 /NDF: 3829463.0/22

Left Out: 89.712 $\pm$ 0.015 χ^2 /NDF: 465096.2/23

Right Out: 79.385 $\pm$ 0.022 χ^2 /NDF: 4347799.5/25

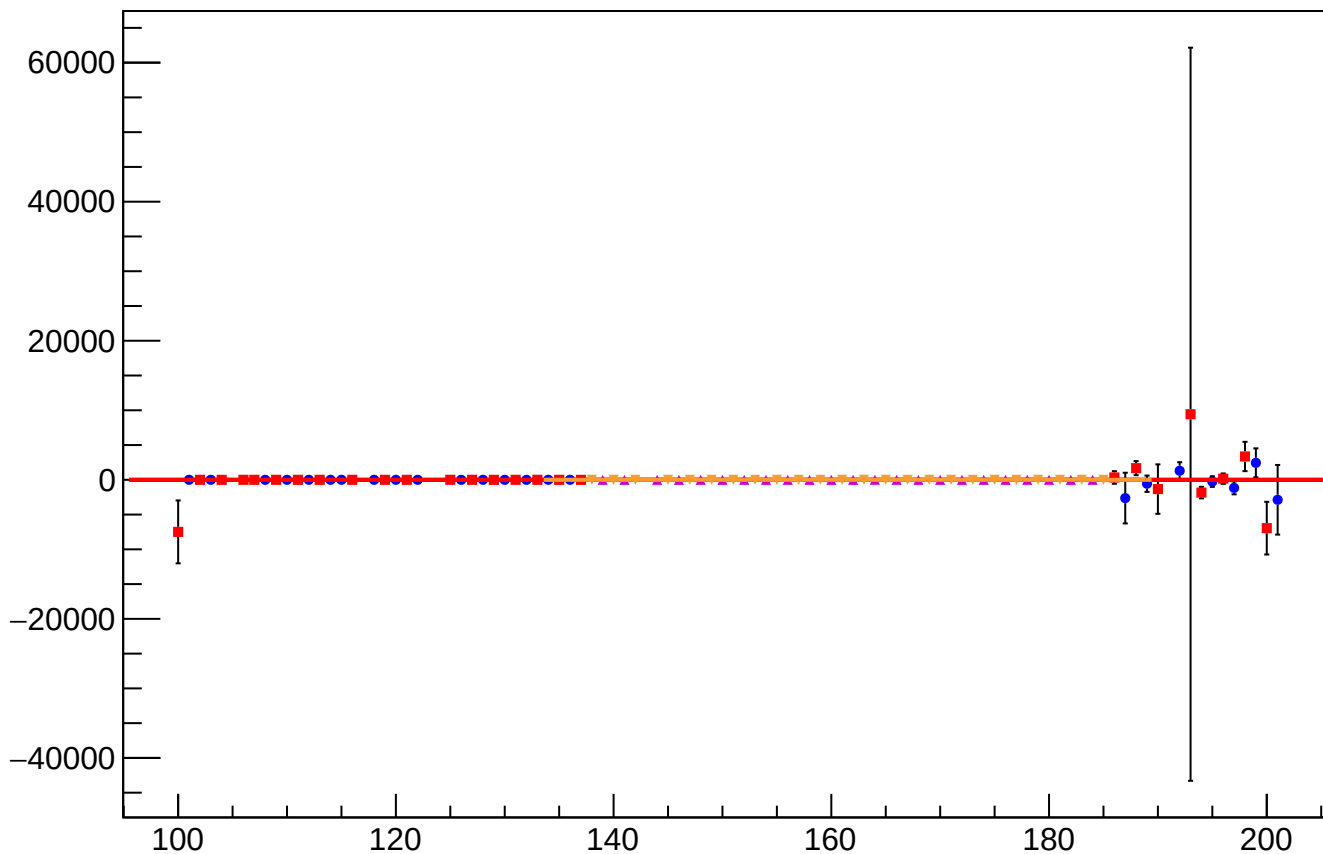
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.088 $\pm$ 0.012 χ^2 /NDF: 4568518.3/46

All: 85.641 $\pm$ 0.009 χ^2 /NDF: 9581839.0/95

- sign 86.204 $\pm$ 0.012 χ^2 /NDF: 5009274.4/48

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 17.2/22

Left Out: -0.516 ± 0.391 χ^2/NDF : 20.7/23

Right Out: -0.348 ± 0.549 χ^2/NDF : 27.4/25

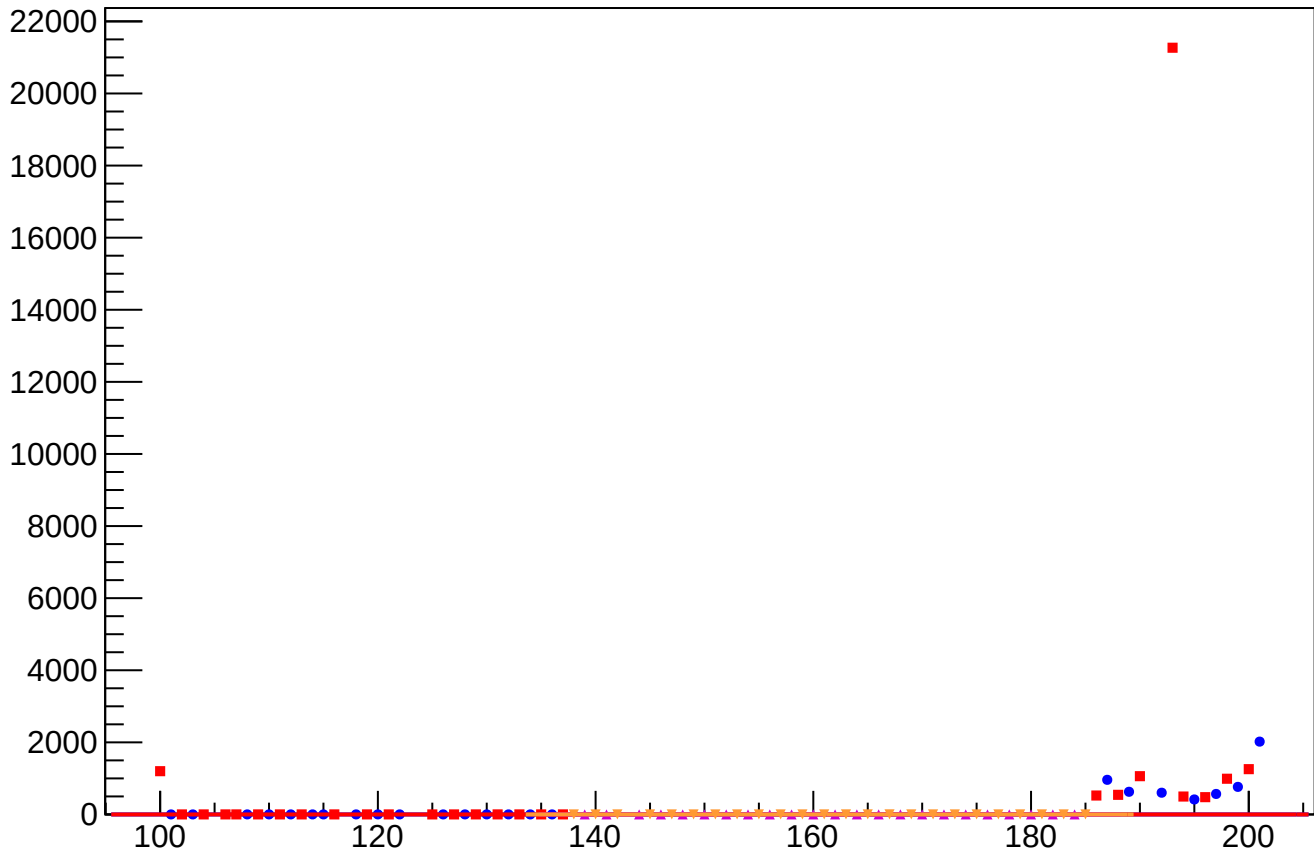
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 42.5/46

All: -0.045 ± 0.224 χ^2/NDF : 90.6/95

- sign -0.069 ± 0.318 χ^2/NDF : 48.1/48

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 3752962.5/22

Left Out: 1.470+/-0.000 χ^2/NDF :1154842.2/23

Right Out: 1.316+/-0.000 χ^2/NDF : 4469157.6/25

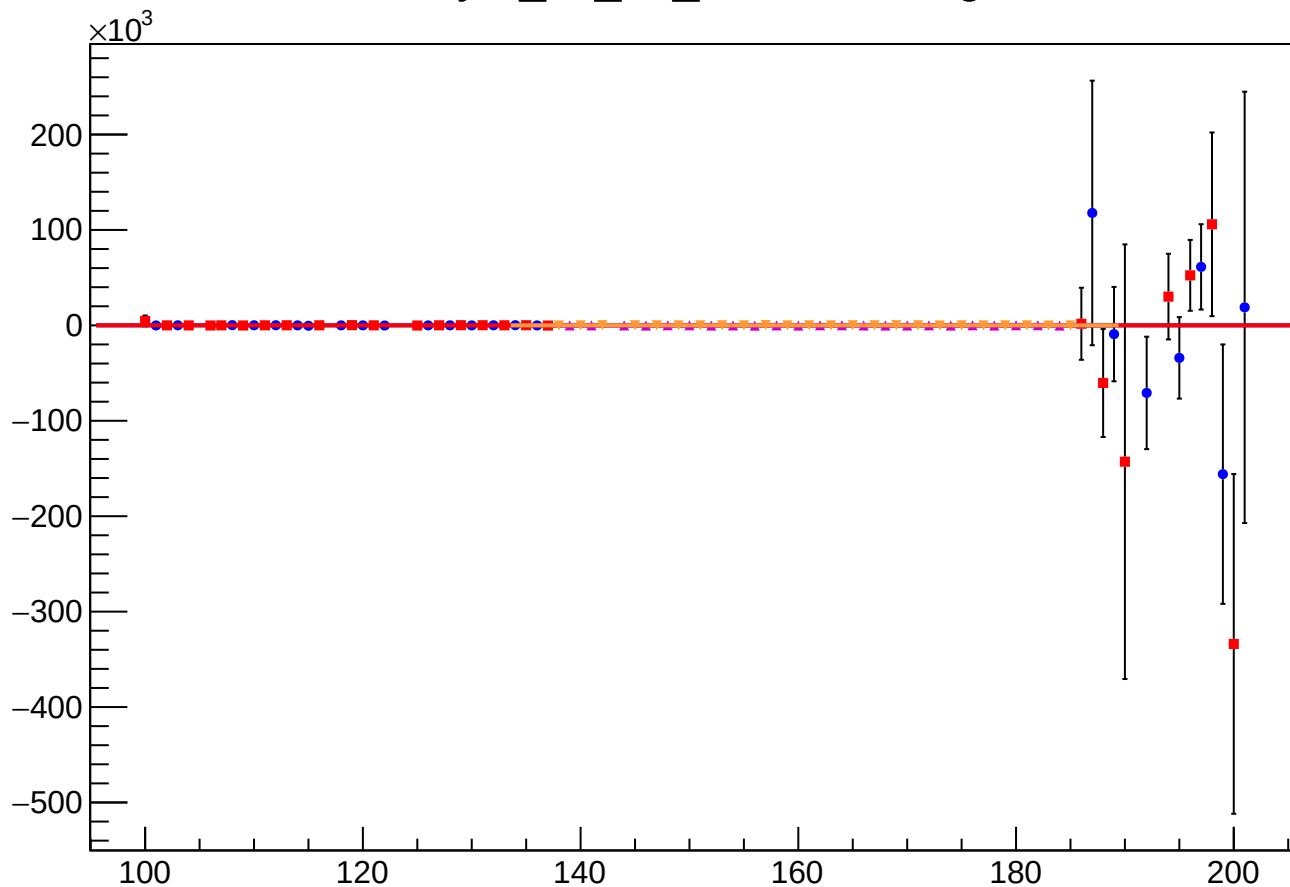
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 5164832.2/46

All: 1.400+/-0.000 χ^2/NDF : 10781359.9/95

- sign 1.412+/-0.000 χ^2/NDF : 5610181.8/48

asym_ds_dd_mean vs Slug



Right In: 7.393 ± 30.020 χ^2/NDF : 19.9/22

Left Out: 15.770 ± 21.479 χ^2/NDF : 17.1/23

Right Out: 26.415 ± 30.482 χ^2/NDF : 21.7/24

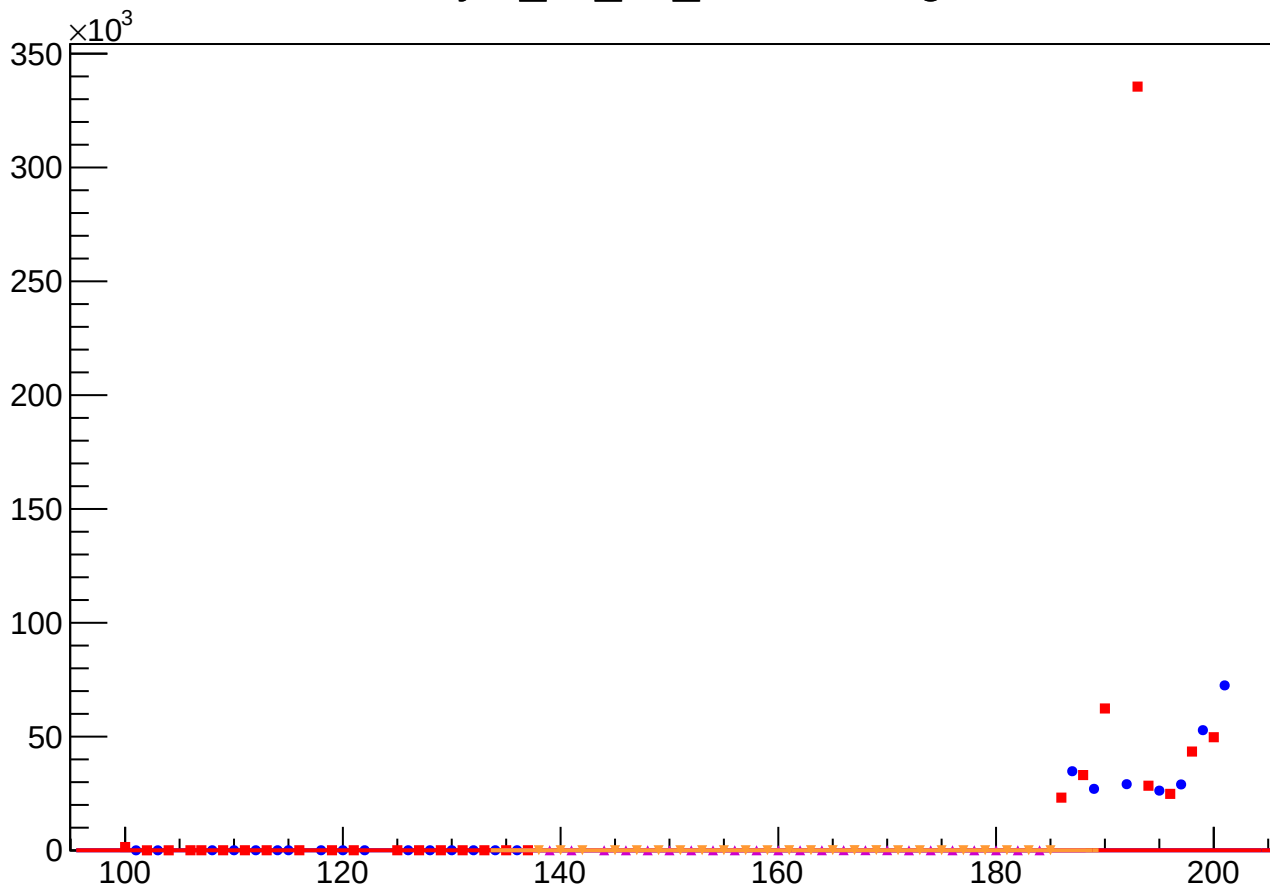
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.934 ± 17.468 χ^2/NDF : 37.1/46

All: -3.584 ± 12.407 χ^2/NDF : 95.2/94

- sign -20.398 ± 17.624 χ^2/NDF : 56.3/47

asym_ds_dd_rms vs Slug



Right In: 76.075 $\pm$ 0.021 χ^2 /NDF: 3829610.4/22

Left Out: 89.740 $\pm$ 0.015 χ^2 /NDF: 465842.6/23

Right Out: 79.381 $\pm$ 0.022 χ^2 /NDF: 4357098.6/25

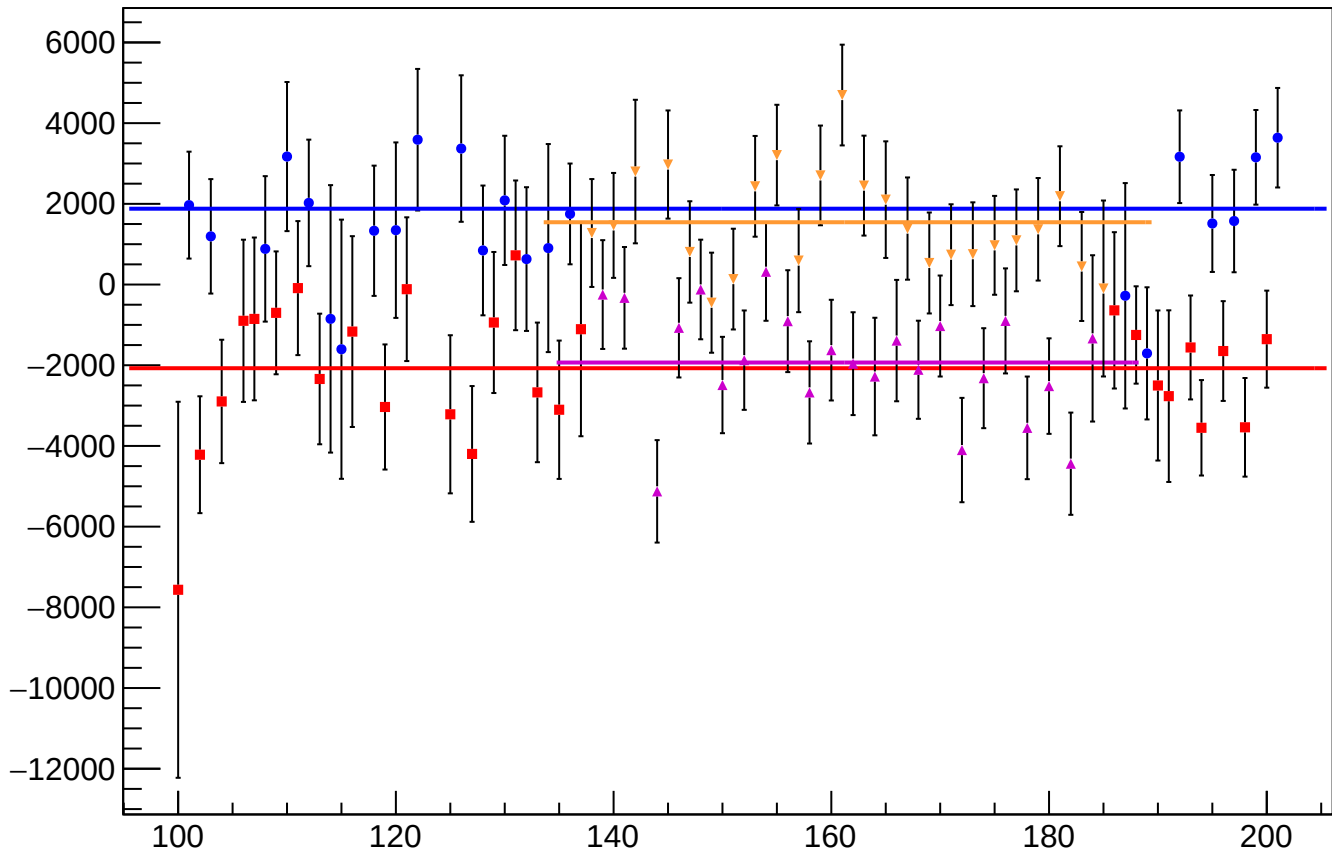
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.113 $\pm$ 0.012 χ^2 /NDF: 4569538.5/46

All: 85.662 $\pm$ 0.009 χ^2 /NDF: 9593698.4/95

- sign 86.220 $\pm$ 0.012 χ^2 /NDF: 5020175.7/48

reg_asym_usl_mean vs Slug



Right In: 1879.580 $\pm$ 327.464 χ^2 /NDF: 15.8/22

Left Out: 1544.102 $\pm$ 266.270 χ^2 /NDF:20.0/23

Right Out: -2073.859 $\pm$ 310.475 χ^2 /NDF: 18.6/26

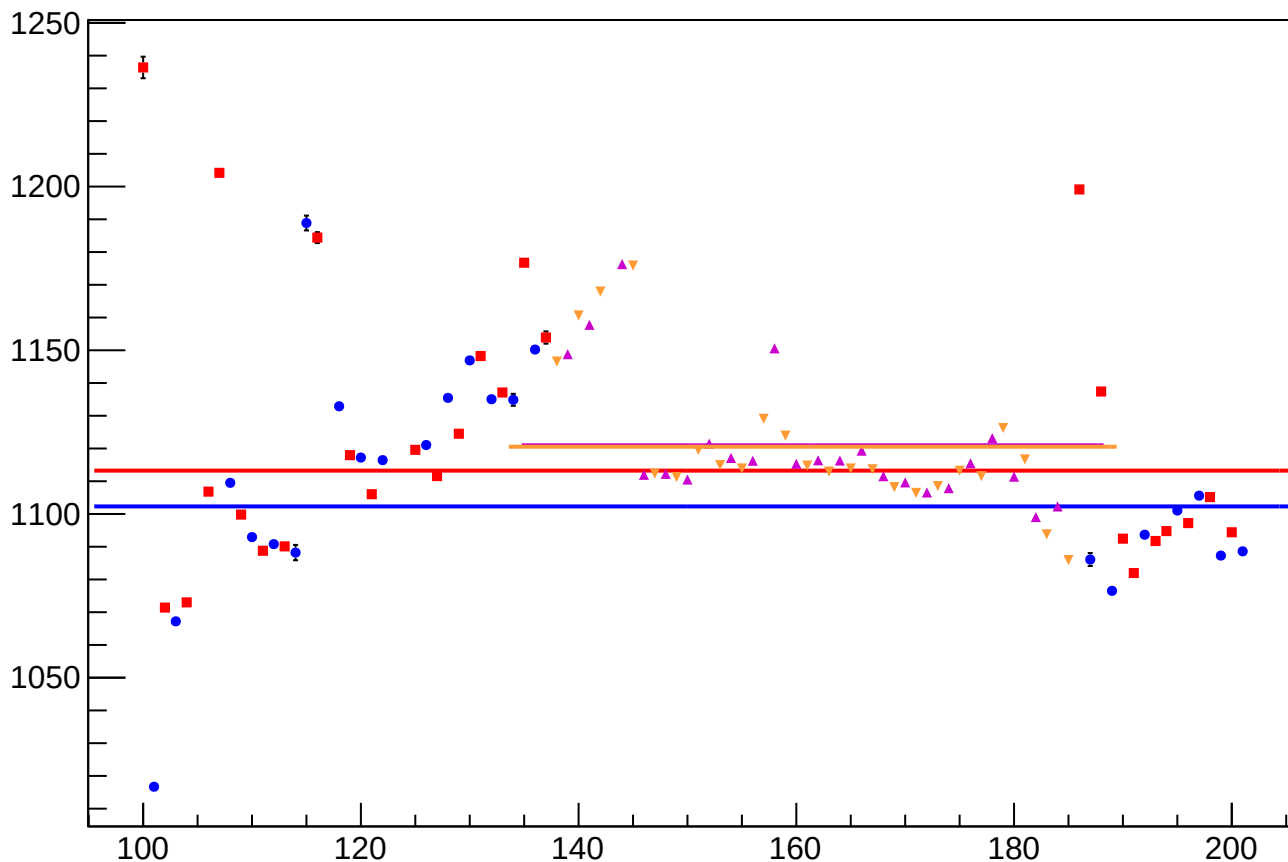
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF:27.0/22

+ sign 1677.628 $\pm$ 206.592 χ^2 /NDF: 36.4/46

All: -191.073 $\pm$ 144.751 χ^2 /NDF: 242.9/96

- sign -1993.144 $\pm$ 202.876 χ^2 /NDF: 45.7/49

reg_asym_usl_rms vs Slug



Right In: 1102.311 $\pm$ 0.232 χ^2 /NDF: 20018.7/22

Left Out: 1120.543 $\pm$ 0.188 χ^2 /NDF:10252.7/23

Right Out: 1113.243 $\pm$ 0.220 χ^2 /NDF: 23183.8/26

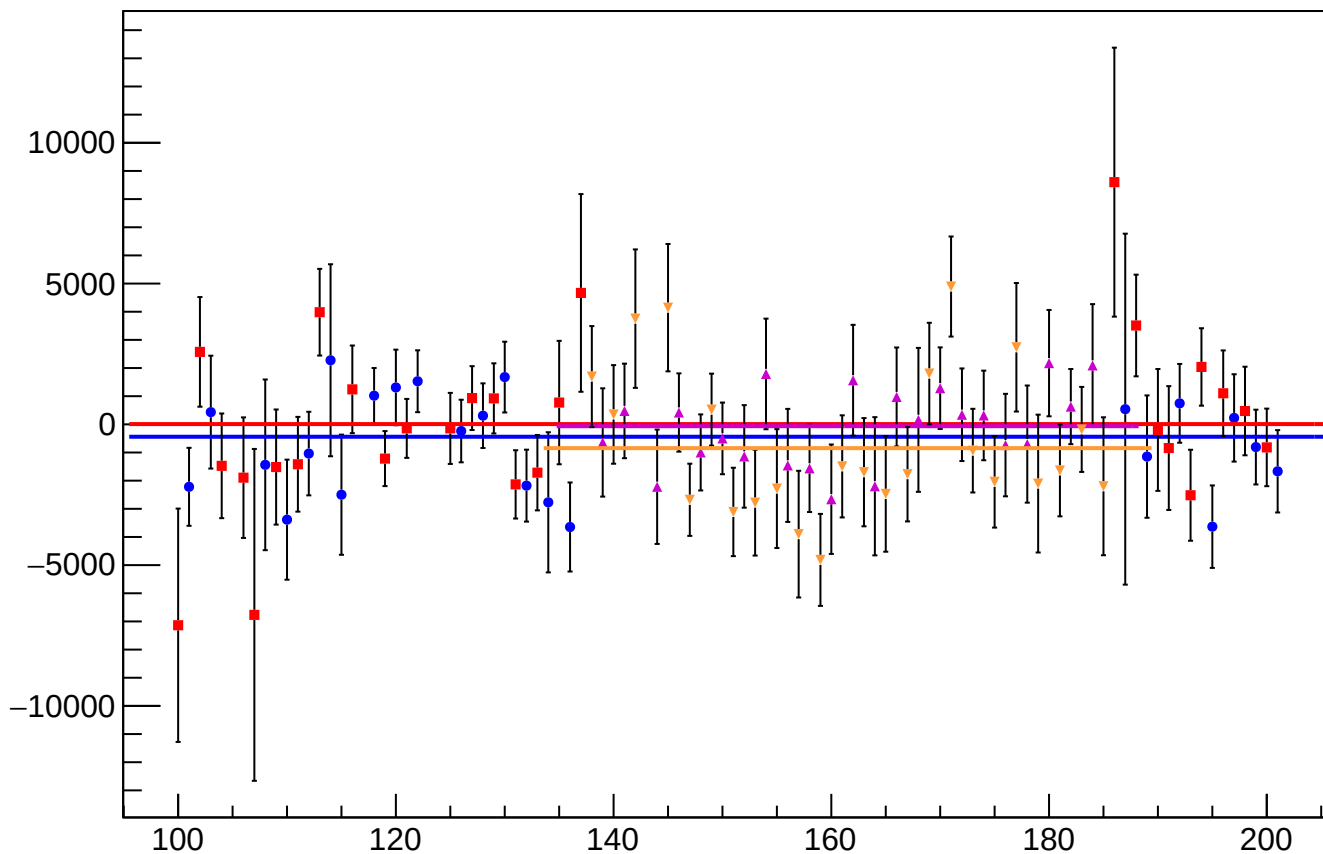
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF:9641.8/22

+ sign 1113.286 $\pm$ 0.146 χ^2 /NDF: 34003.4/46

All: 1115.525 $\pm$ 0.102 χ^2 /NDF: 68003.7/96

- sign 1117.683 $\pm$ 0.143 χ^2 /NDF: 33539.2/49

asym_usl_correction_mean vs Slug



Right In: -440.407 ± 311.315 χ^2/NDF : 29.4/22

Left Out: -845.009 ± 361.141 χ^2/NDF : 43.2/23

Right Out: 9.429 ± 303.348 χ^2/NDF : 38.2/26

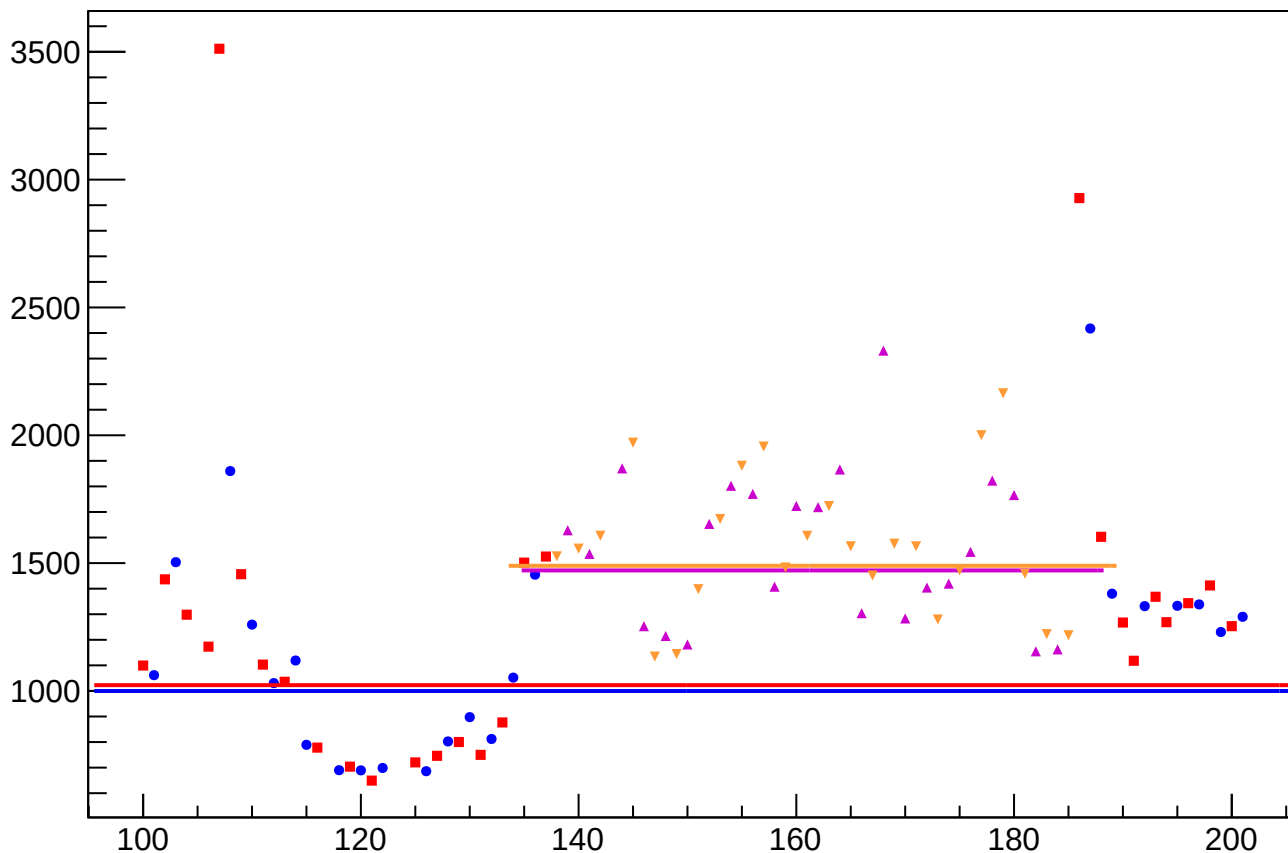
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -612.892 ± 235.797 χ^2/NDF : 73.4/46

All: -312.153 ± 165.247 χ^2/NDF : 127.0/96

- sign -21.905 ± 231.648 χ^2/NDF : 50.4/49

asym_usl_correction_rms vs Slug



Right In: 999.784+/-0.220 χ^2/NDF : 1856403.9/22

Left Out: 1489.507+/-0.255 χ^2/NDF :1009228.3/23

Right Out: 1022.588+/-0.214 χ^2/NDF : 2649734.9/26

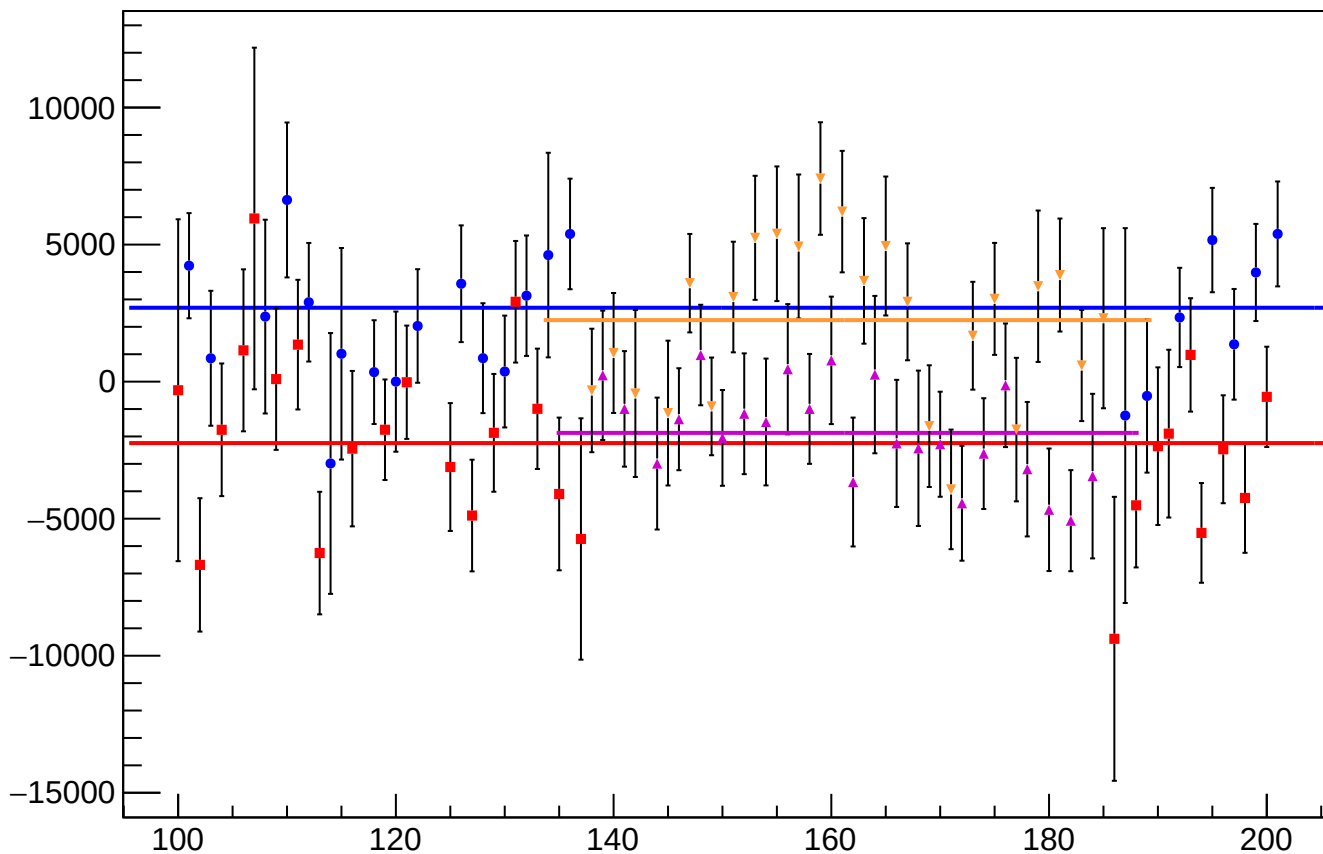
Left In: 1471.394+/-0.254 χ^2/NDF :1105310.5/22

+ sign 1208.557+/-0.167 χ^2/NDF : 4975509.3/46

All: 1209.126+/-0.117 χ^2/NDF : 10555530.4/9

- sign 1209.676+/-0.164 χ^2/NDF : 5579998.2/49

asym_usl_mean vs Slug



Right In: 2695.551 $\pm$ 474.987 χ^2 /NDF: 18.2/22

Left Out: 2244.415 $\pm$ 456.474 χ^2 /NDF:38.6/23

Right Out: -2241.465 $\pm$ 460.082 χ^2 /NDF: 33.2/26

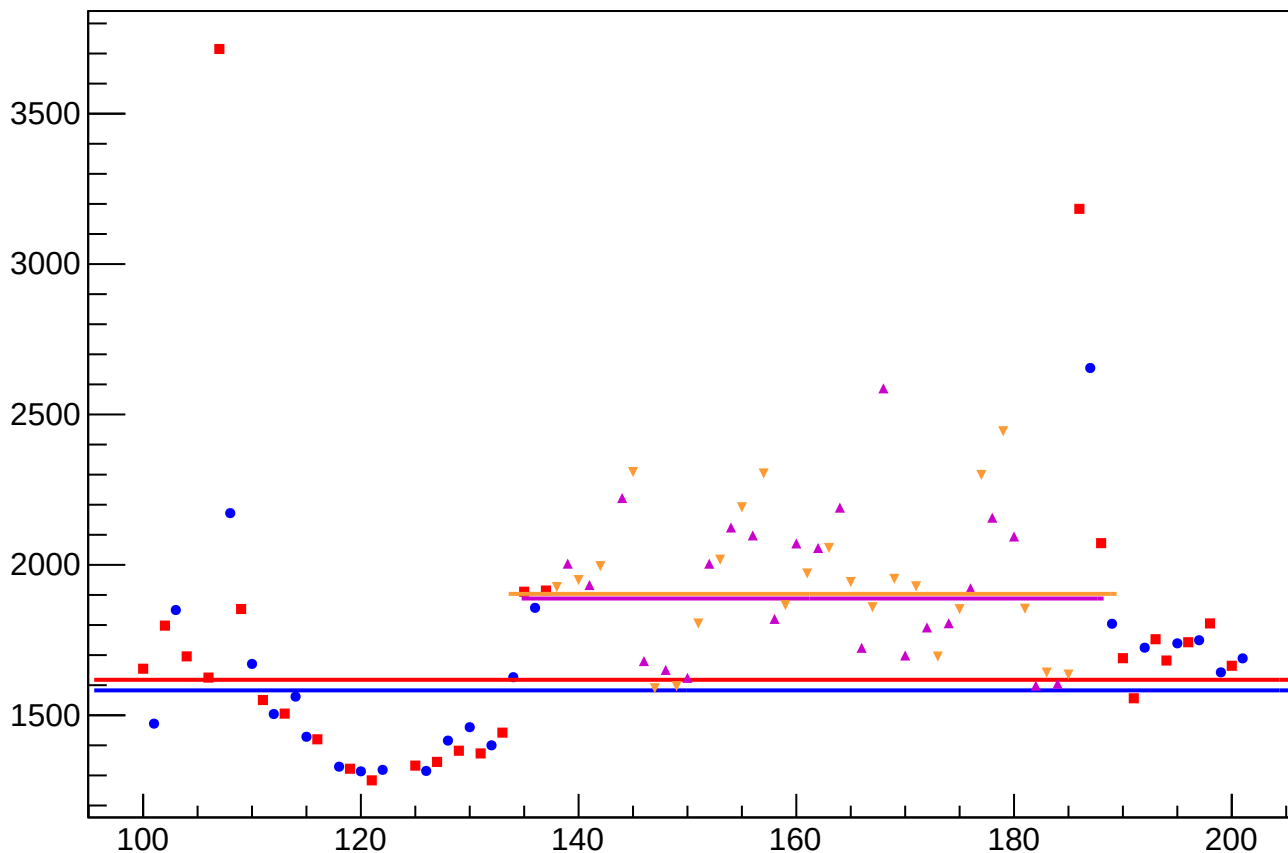
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2461.020 $\pm$ 329.126 χ^2 /NDF: 57.3/46

All: 165.985 $\pm$ 230.779 χ^2 /NDF: 201.3/96

- sign -2053.754 $\pm$ 323.682 χ^2 /NDF: 48.4/49

asym_usl_rms vs Slug



Right In: 1582.745+/-0.336 χ^2/NDF : 397493.3/22

Left Out: 1903.581+/-0.323 χ^2/NDF : 461788.9/23

Right Out: 1617.892+/-0.325 χ^2/NDF : 838248.0/26

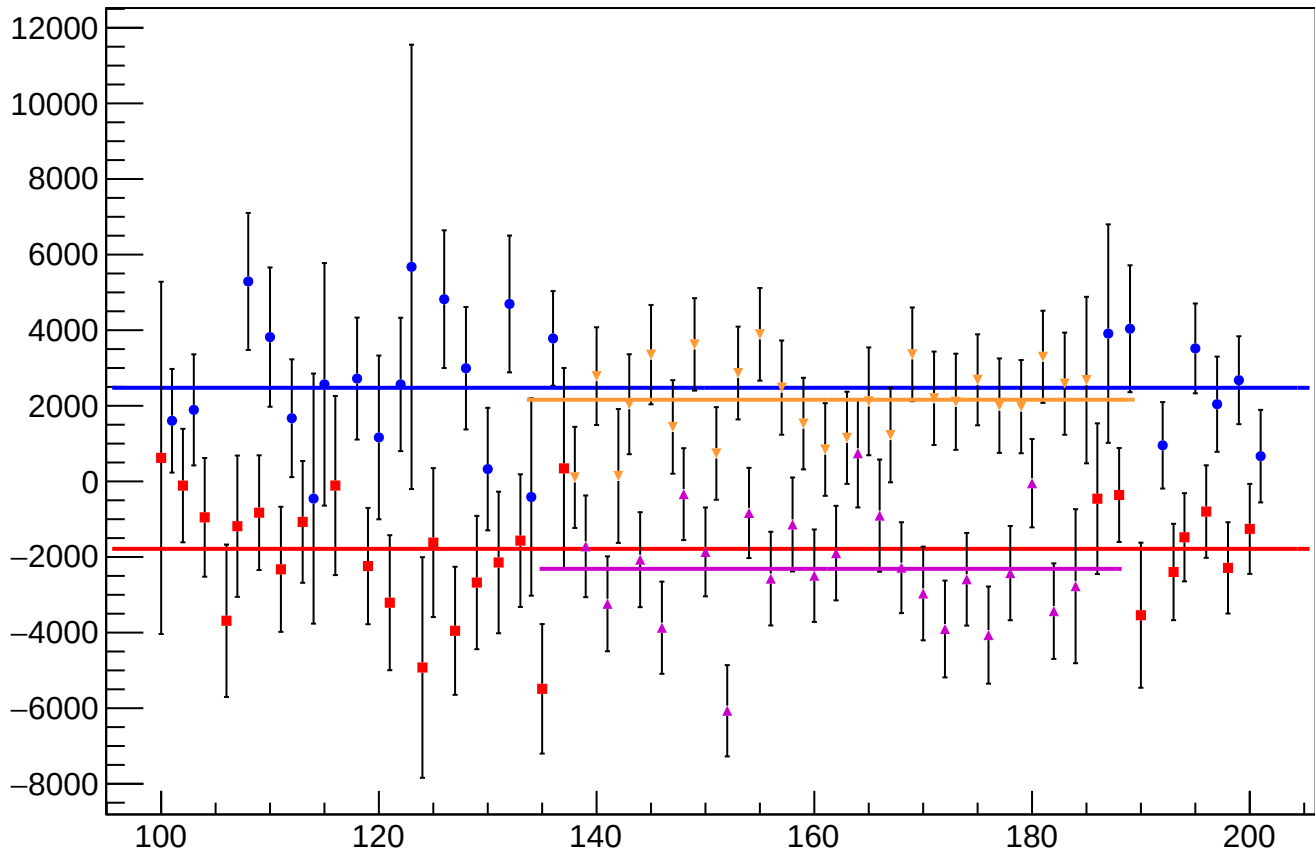
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1749.537+/-0.233 χ^2/NDF : 1333659.5/46

All: 1751.993+/-0.163 χ^2/NDF : 3025154.7/96

- sign 1754.369+/-0.229 χ^2/NDF : 1691276.0/49

reg_asym_usr_mean vs Slug



Right In: 2476.498+/-328.257 χ^2/NDF : 18.6/23

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

Right Out: -1784.408+/-312.429 χ^2/NDF : 17.0/26

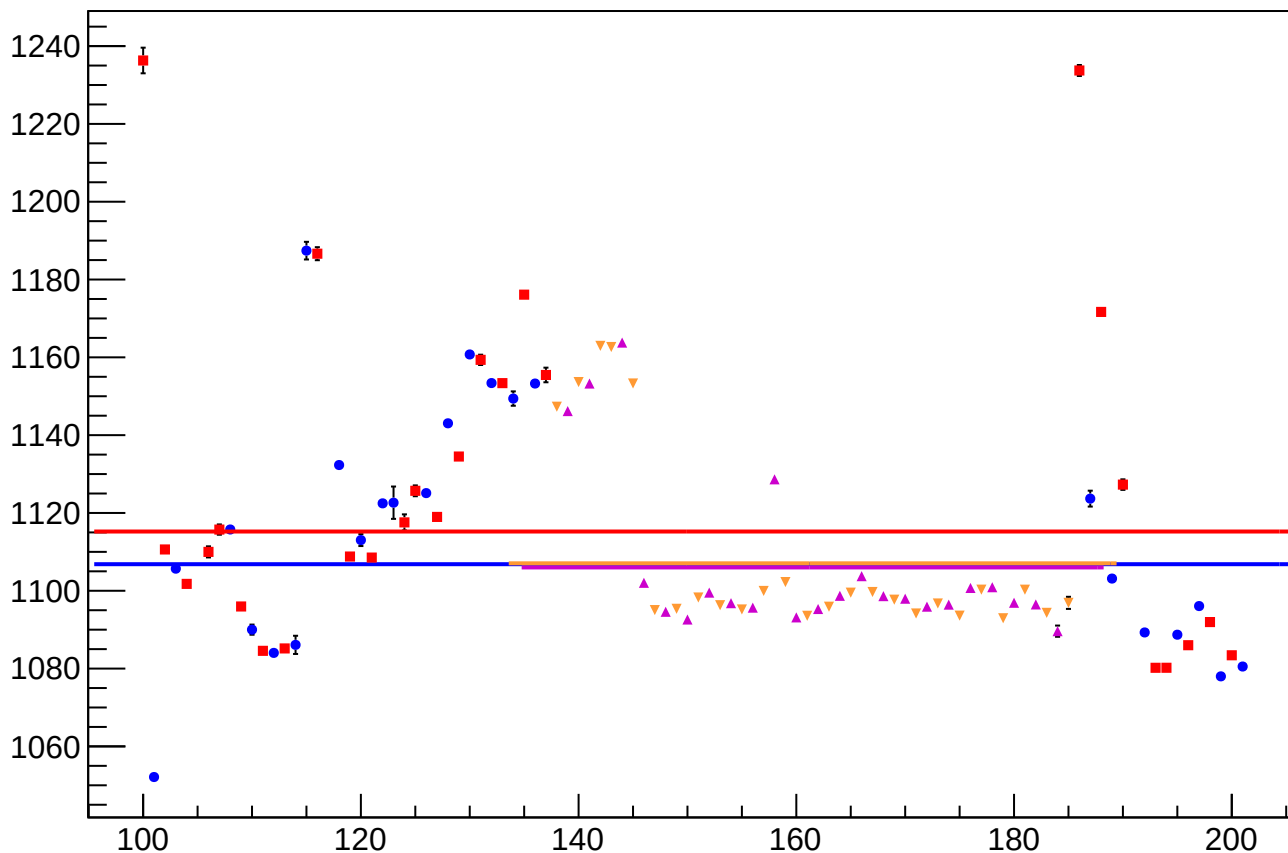
Left In: -2313.505+/-264.429 χ^2/NDF : 31.3/22

+ sign 2281.461+/-202.610 χ^2/NDF : 34.2/48

All: 86.065+/-142.994 χ^2/NDF : 318.1/98

- sign -2092.680+/-201.840 χ^2/NDF : 50.0/49

reg_asym_usr_rms vs Slug



Right In: 1106.831 $\pm$ 0.232 χ^2 /NDF: 17189.7/23

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

Right Out: 1115.231 $\pm$ 0.221 χ^2 /NDF: 28358.1/26

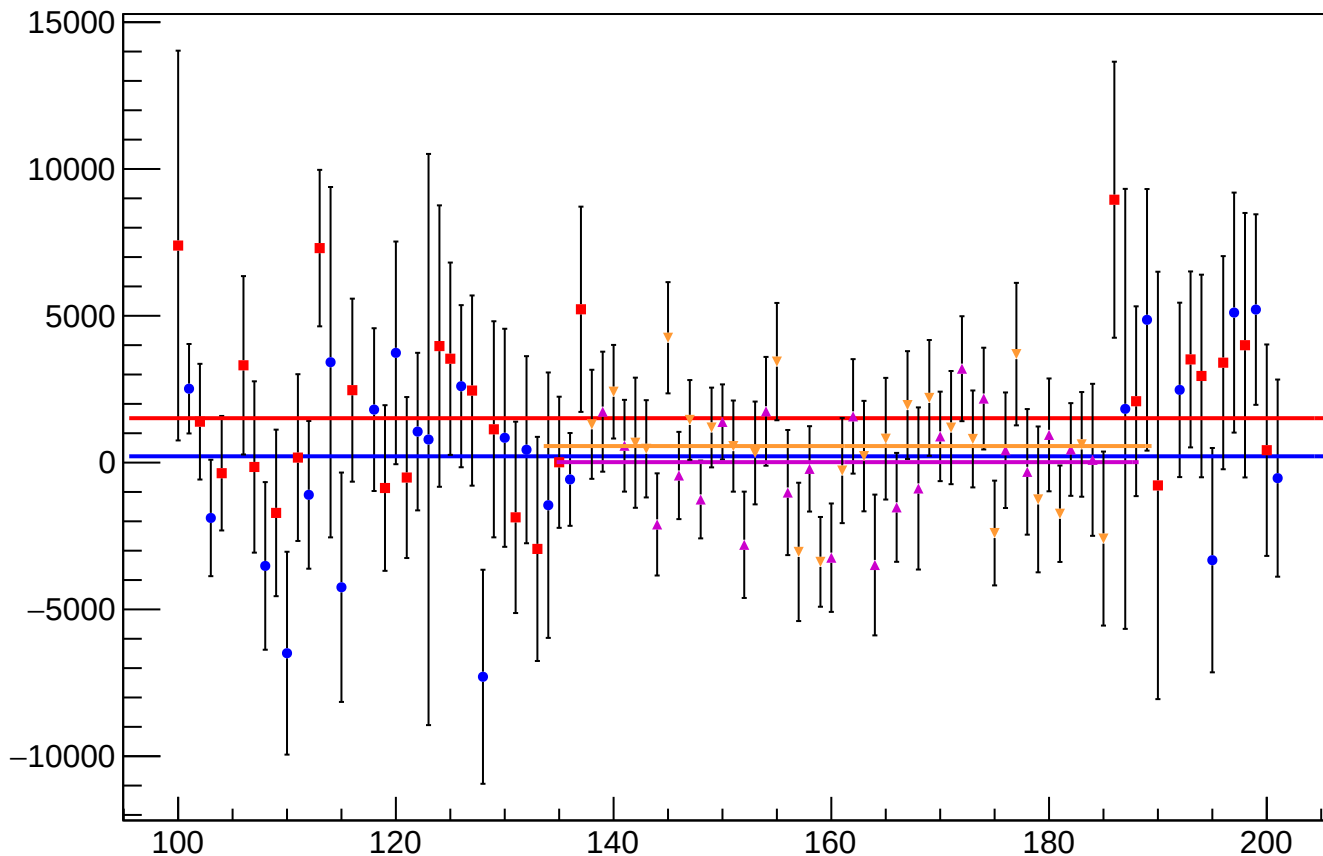
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

+ sign 1106.971 $\pm$ 0.143 χ^2 /NDF: 32365.8/48

All: 1108.416 $\pm$ 0.101 χ^2 /NDF: 73496.1/98

- sign 1109.851 $\pm$ 0.143 χ^2 /NDF: 40927.4/49

asym_usr_correction_mean vs Slug



Right In: 214.630+/-596.240 χ^2/NDF : 23.9/23

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

Right Out: 1512.515+/-594.584 χ^2/NDF : 18.7/26

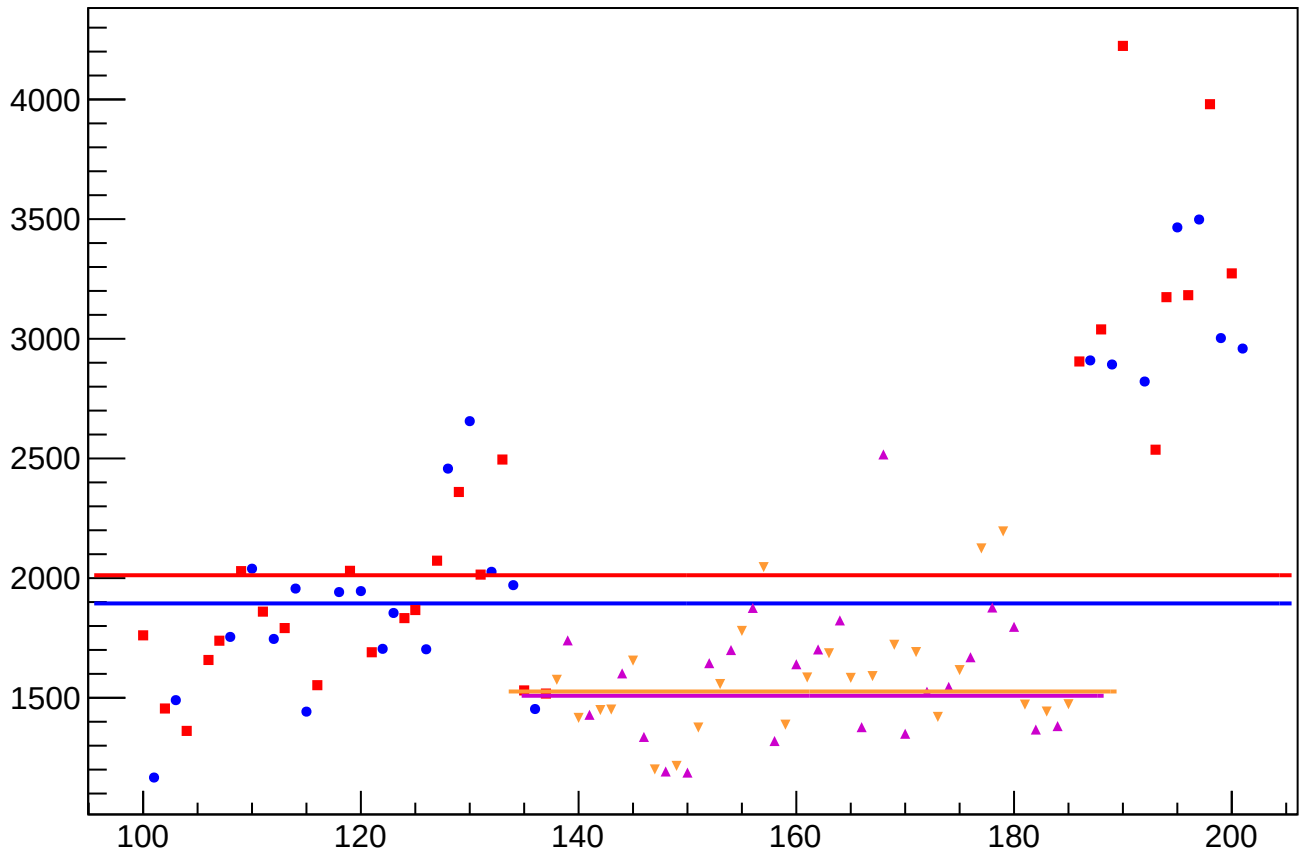
Left In: 15.520+/-366.854 χ^2/NDF : 20.1/22

+ sign 469.794+/-308.747 χ^2/NDF : 50.9/48

All: 449.264+/-219.531 χ^2/NDF : 94.3/98

- sign 428.271+/-312.210 χ^2/NDF : 43.4/49

asym_usr_correction_rms vs Slug



Right In: 1894.327+/-0.422 χ^2/NDF : 2306704.8/23

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

+ sign 1625.049+/-0.218 χ^2/NDF : 3617807.9/48

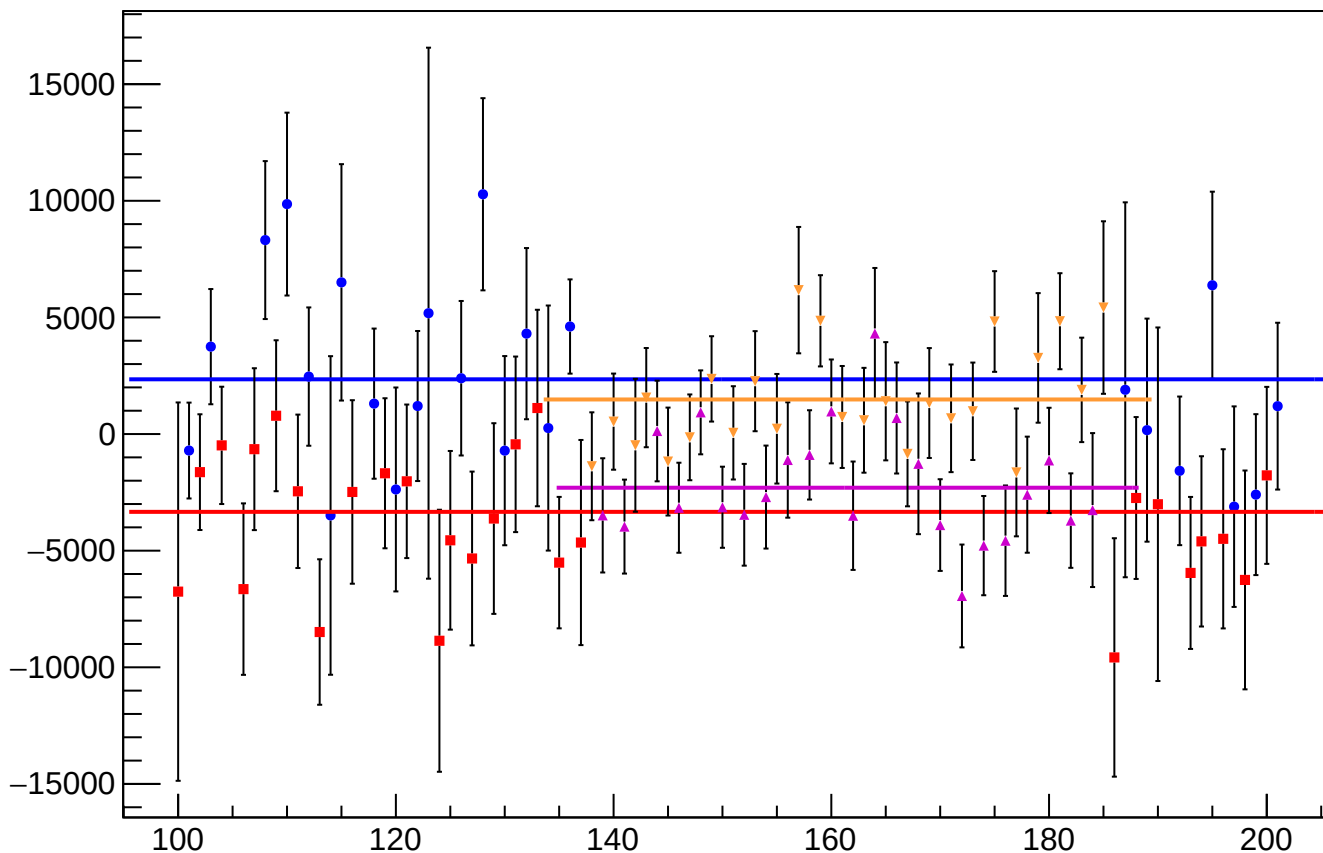
Right Out: 2012.094+/-0.420 χ^2/NDF : 2292811.8/26

All: 1636.105+/-0.155 χ^2/NDF : 7886290.5/98

- sign 1647.409+/-0.221 χ^2/NDF : 4263296.2/49

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

asym_usr_mean vs Slug



Right In: 2346.604 $\pm$ 710.090 χ^2 /NDF: 24.7/23

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

Right Out: -3335.613 $\pm$ 695.993 χ^2 /NDF: 14.9/26

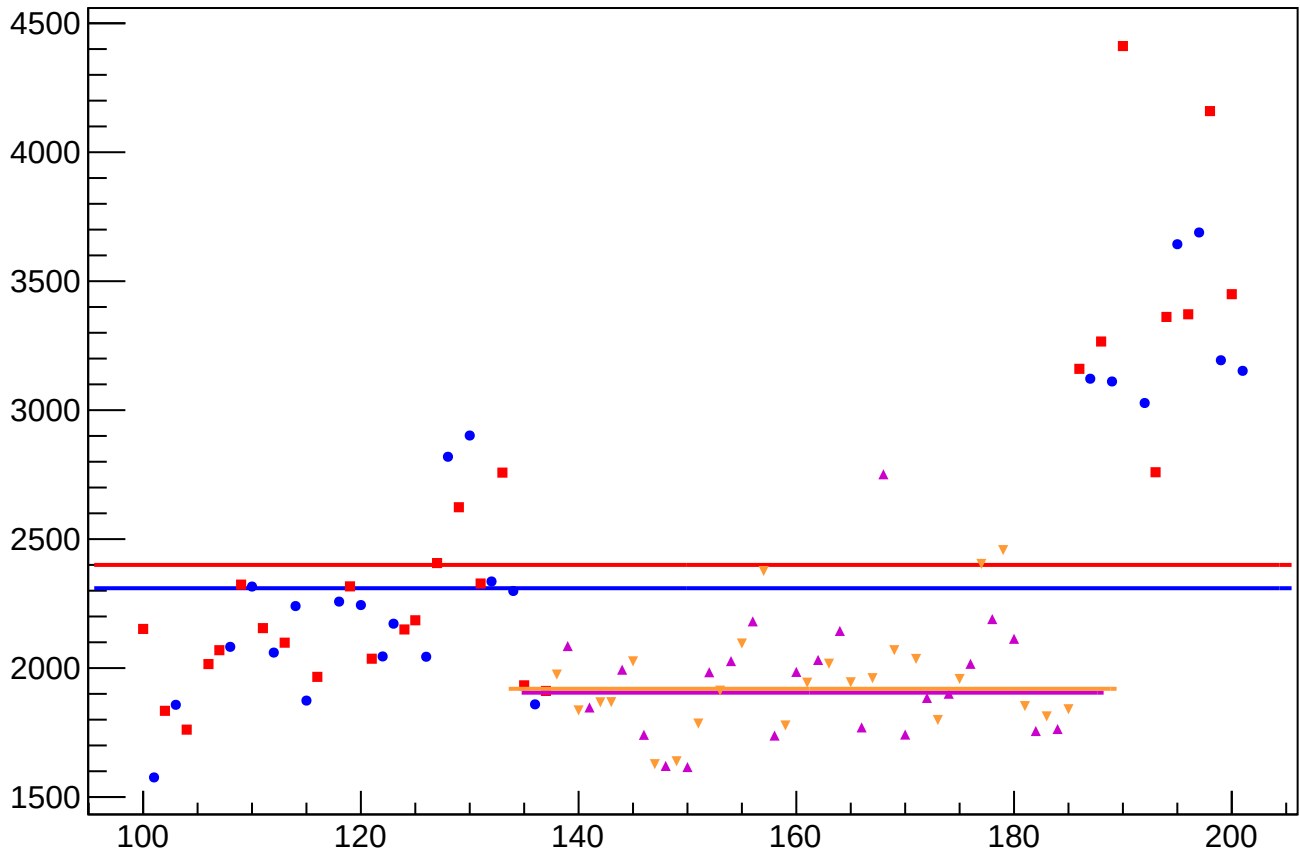
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF:24.8/22

+ sign 1729.984 $\pm$ 380.091 χ^2 /NDF: 46.7/48

All: -424.721 $\pm$ 269.857 χ^2 /NDF: 152.7/98

- sign -2614.801 $\pm$ 383.199 χ^2 /NDF: 41.3/49

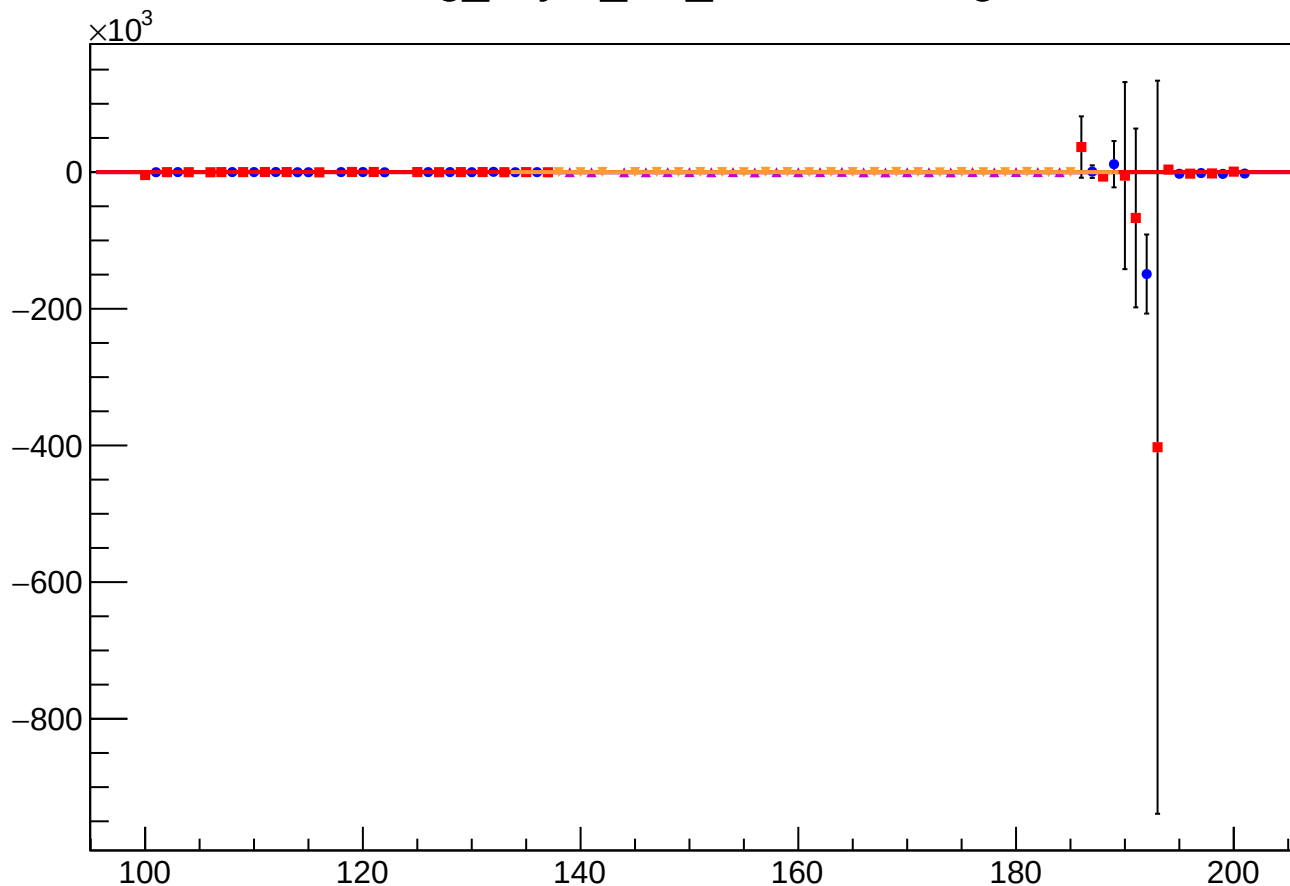
asym_usr_rms vs Slug



Right In: 2309.634 ± 0.502 χ^2/NDF : 1408112.4/23
 Left Out: 1919.732 ± 0.318 χ^2/NDF : 366218.1/24
 Right Out: 2399.960 ± 0.492 χ^2/NDF : 1502326.4/26
 Left In: 1904.629 ± 0.325 χ^2/NDF : 447350.7/22

+ sign 2031.445 ± 0.269 χ^2/NDF : 2204558.8/48
 All: 2043.018 ± 0.191 χ^2/NDF : 4863900.5/98
 - sign 2054.782 ± 0.271 χ^2/NDF : 2655602.7/49

reg_asym_dsl_mean vs Slug



Right In: -1.403 ± 36.766 χ^2/NDF : 24.3/22

Left Out: 12.260 ± 26.260 χ^2/NDF : 35.9/23

Right Out: -1.898 ± 36.751 χ^2/NDF : 17.4/26

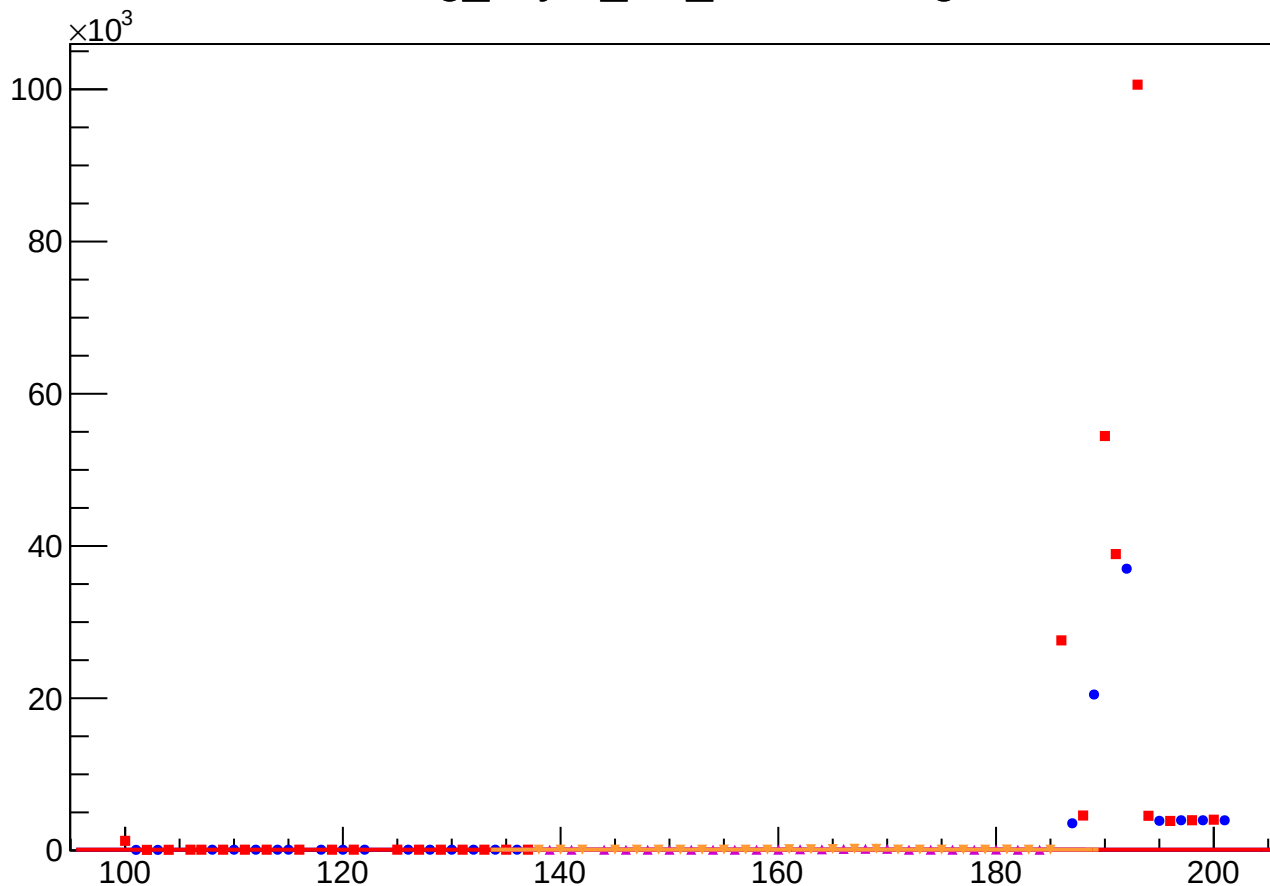
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.644 ± 21.369 χ^2/NDF : 60.2/46

All: -4.662 ± 15.125 χ^2/NDF : 115.0/96

- sign -17.018 ± 21.411 χ^2/NDF : 54.1/49

reg_asym_dsl_rms vs Slug



Right In: 95.222 $\pm$ 0.026 χ^2 /NDF: 8144777.8/22

Left Out: 108.059 $\pm$ 0.019 χ^2 /NDF: 1434979.3/23

Right Out: 97.510 $\pm$ 0.026 χ^2 /NDF: 8335737.2/26

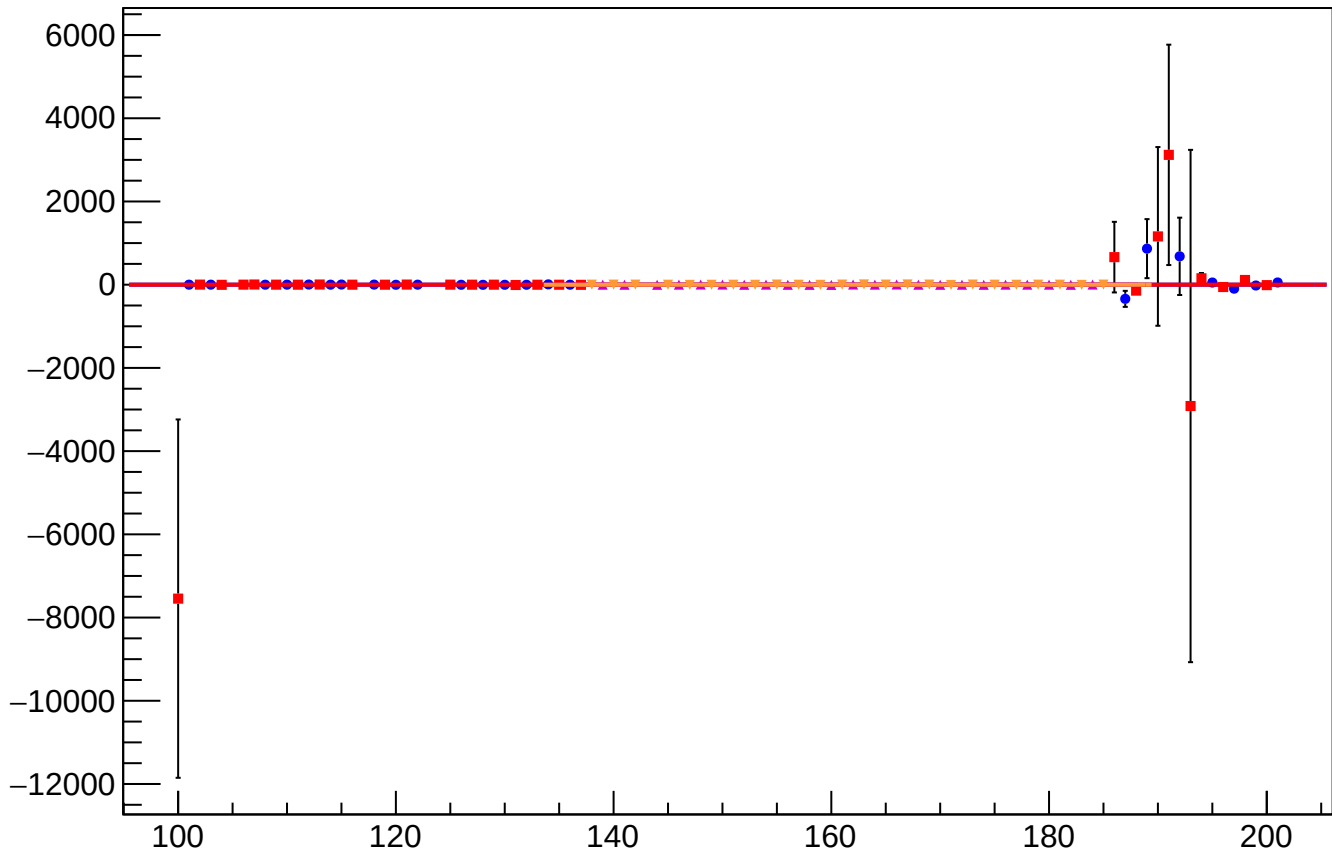
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.723 $\pm$ 0.015 χ^2 /NDF: 9741217.7/46

All: 103.972 $\pm$ 0.011 χ^2 /NDF: 19669565.0/96

- sign 104.223 $\pm$ 0.015 χ^2 /NDF: 9927800.6/49

asym_dsl_correction_mean vs Slug



Right In: 0.387 ± 0.617 χ^2/NDF : 18.0/22

Left Out: -0.534 ± 0.475 χ^2/NDF : 30.5/23

Right Out: 0.346 ± 0.644 χ^2/NDF : 29.4/26

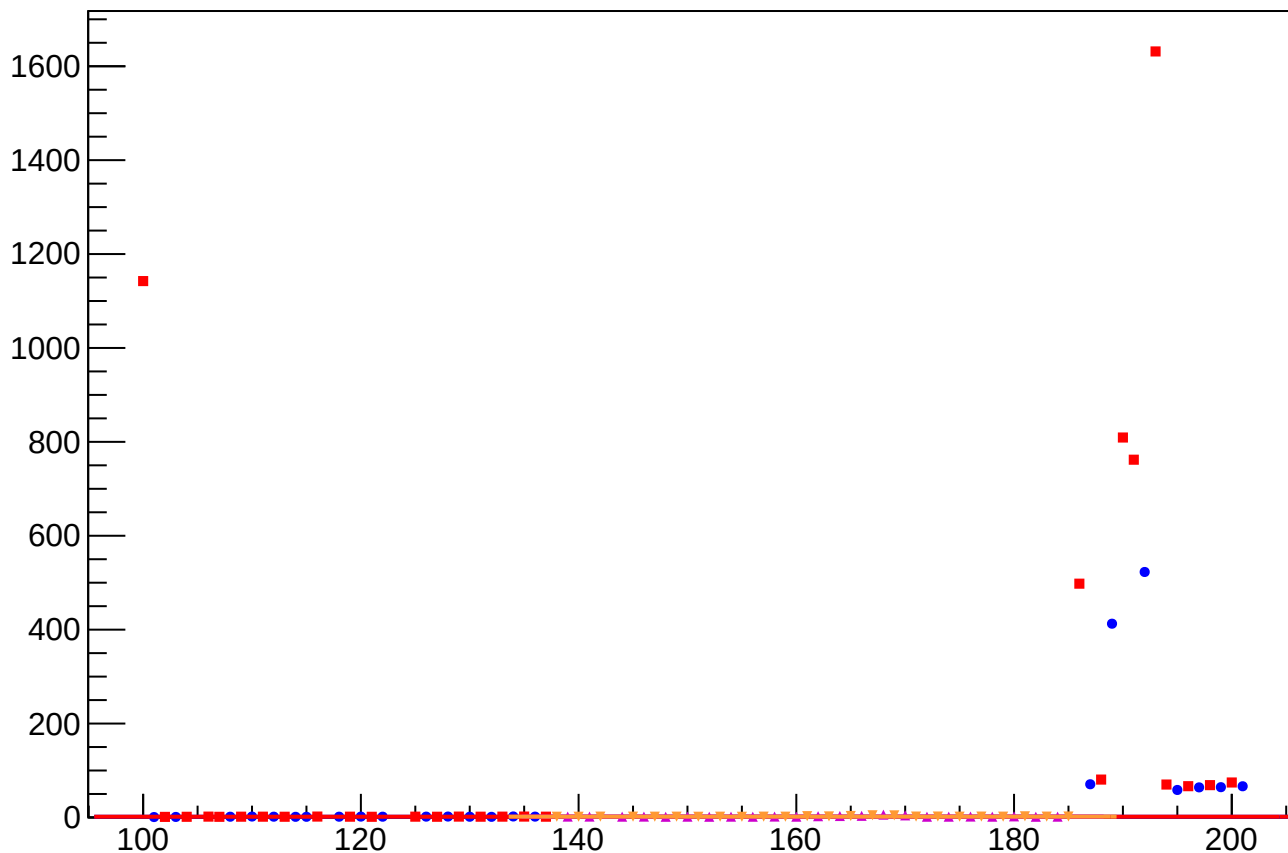
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.192 ± 0.376 χ^2/NDF : 49.9/46

All: -0.017 ± 0.270 χ^2/NDF : 104.9/96

- sign 0.168 ± 0.387 χ^2/NDF : 54.5/49

asym_dsl_correction_rms vs Slug



Right In: 1.437+/-0.000 χ^2/NDF : 7446956.6/22

Left Out: 1.771+/-0.000 χ^2/NDF :1599621.6/23

Right Out: 1.573+/-0.000 χ^2/NDF : 7439400.3/26

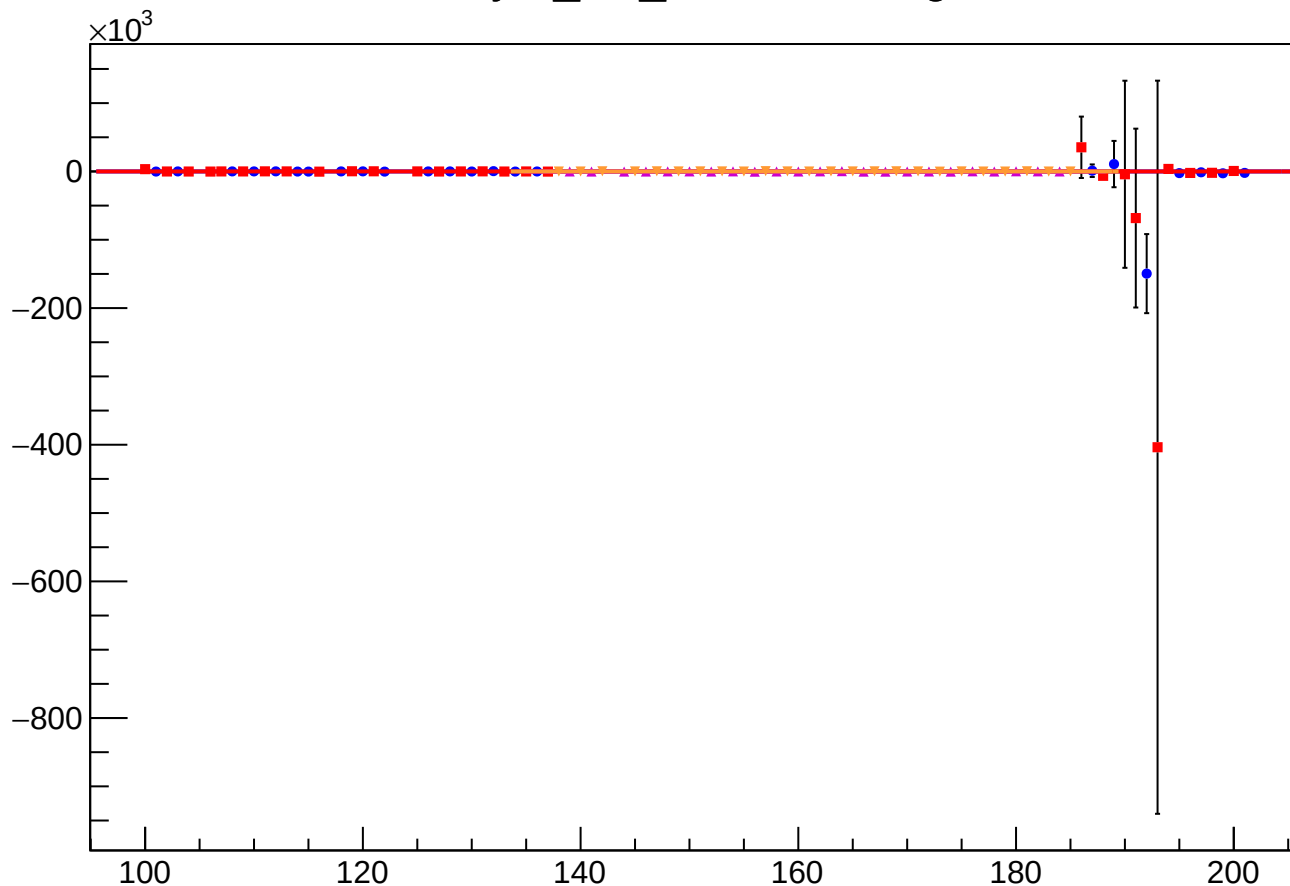
Left In: 1.802+/-0.000 χ^2/NDF :1921298.2/22

+ sign 1.647+/-0.000 χ^2/NDF : 9414779.0/46

All: 1.682+/-0.000 χ^2/NDF : 18974193.4/96

- sign 1.719+/-0.000 χ^2/NDF : 9523513.3/49

asym_dsl_mean vs Slug



Right In: -1.106 ± 36.775 χ^2/NDF : 24.5/22

Left Out: 12.948 ± 26.268 χ^2/NDF : 35.7/23

Right Out: -1.656 ± 36.761 χ^2/NDF : 16.9/26

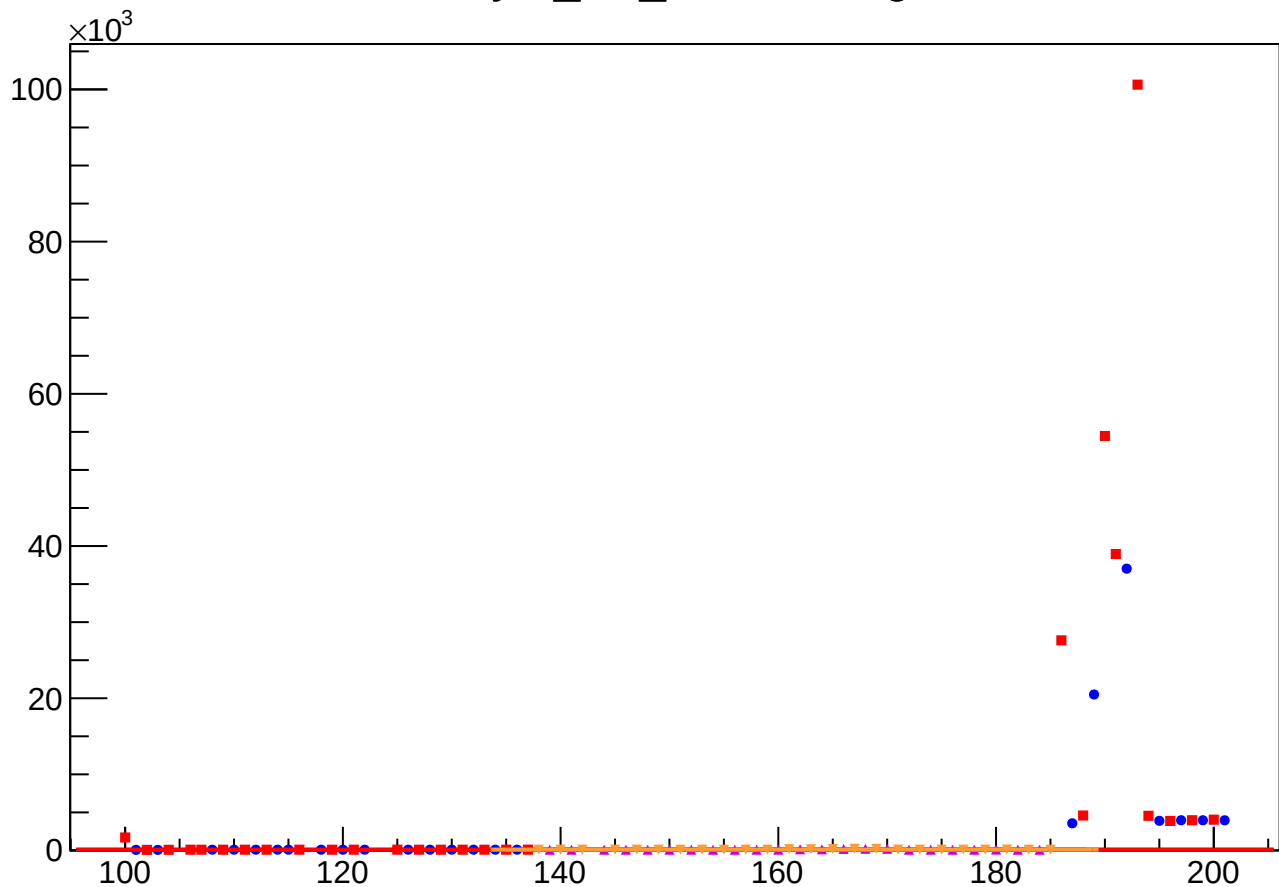
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 8.200 ± 21.375 χ^2/NDF : 60.3/46

All: -4.516 ± 15.129 χ^2/NDF : 113.9/96

- sign -17.282 ± 21.417 χ^2/NDF : 52.9/49

asym_dsl_rms vs Slug



Right In: 95.247 $\pm$ 0.026 χ^2 /NDF: 8144770.2/22

Left Out: 108.090 $\pm$ 0.019 χ^2 /NDF: 1436368.7/23

Right Out: 97.519 $\pm$ 0.026 χ^2 /NDF: 8340969.3/26

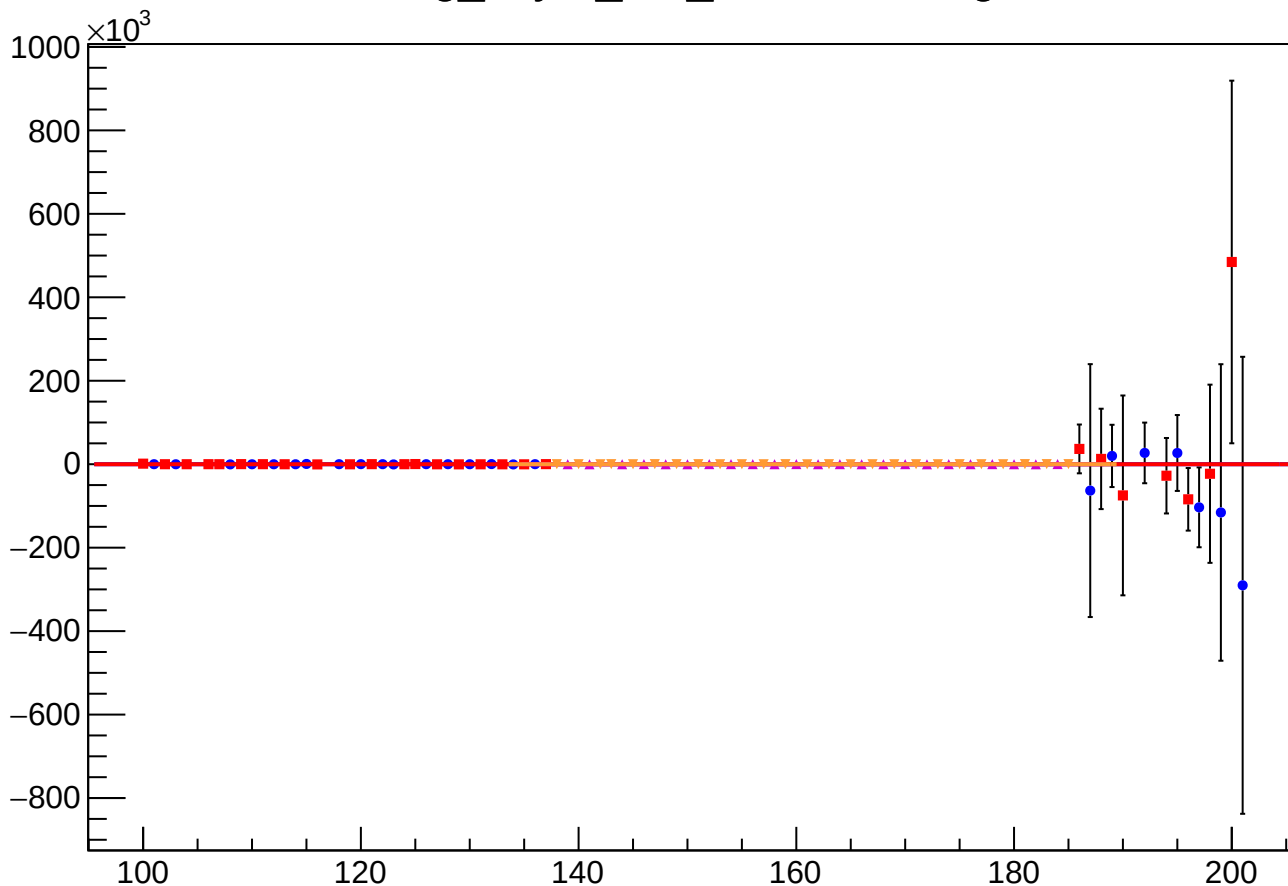
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.751 $\pm$ 0.015 χ^2 /NDF: 9742668.3/46

All: 103.998 $\pm$ 0.011 χ^2 /NDF: 19677912.5/96

- sign 104.246 $\pm$ 0.015 χ^2 /NDF: 9934709.1/49

reg_asym_dsr_mean vs Slug



Right In: -26.802 ± 46.841 χ^2/NDF : 16.3/23

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

Right Out: -53.398 ± 47.775 χ^2/NDF : 18.5/25

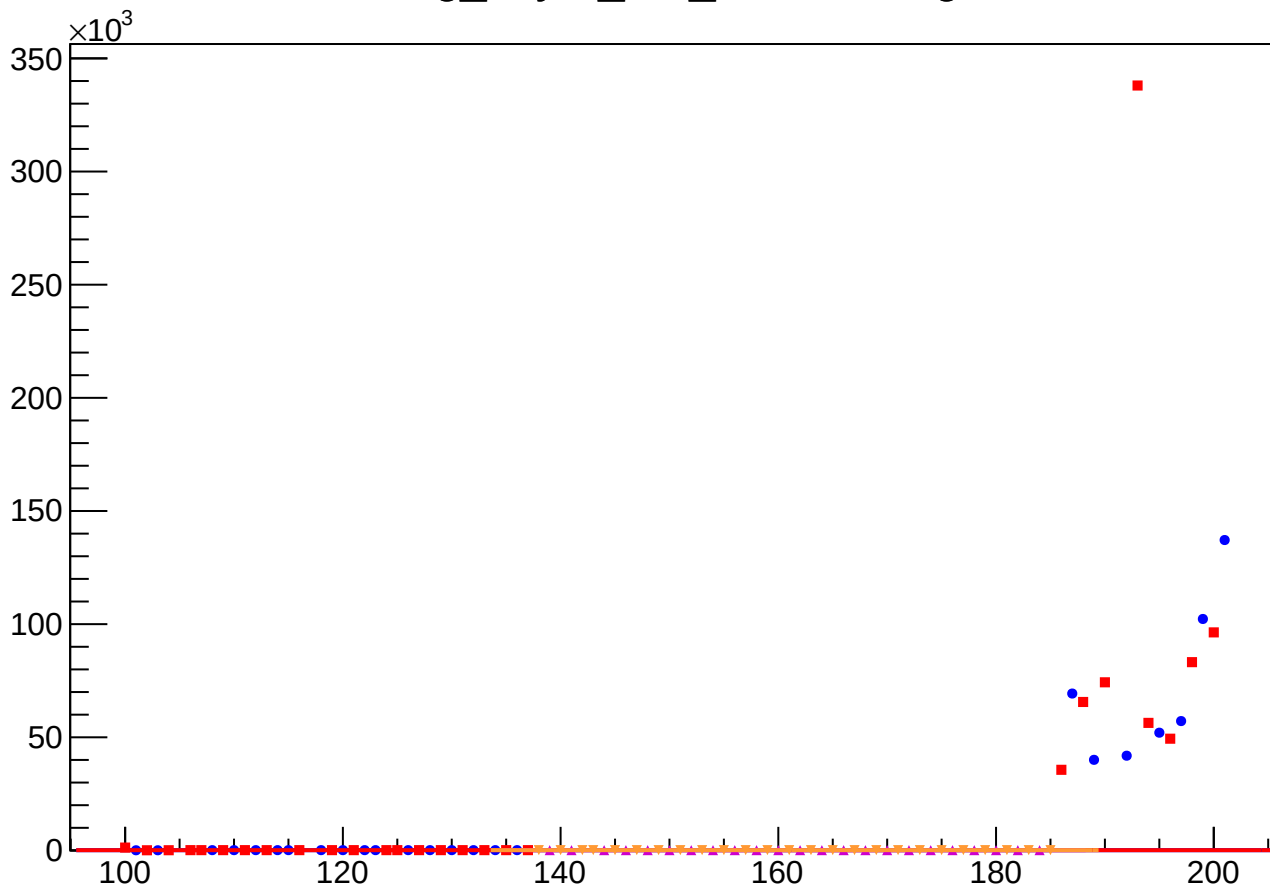
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.287 ± 26.458 χ^2/NDF : 28.4/48

All: 4.344 ± 18.939 χ^2/NDF : 71.7/97

- sign 27.072 ± 27.121 χ^2/NDF : 42.0/48

reg_asym_dsr_rms vs Slug



Right In: 117.835 $\pm$ 0.033 χ^2 /NDF: 4190004.8/23

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

Right Out: 124.810 $\pm$ 0.034 χ^2 /NDF: 4628916.5/26

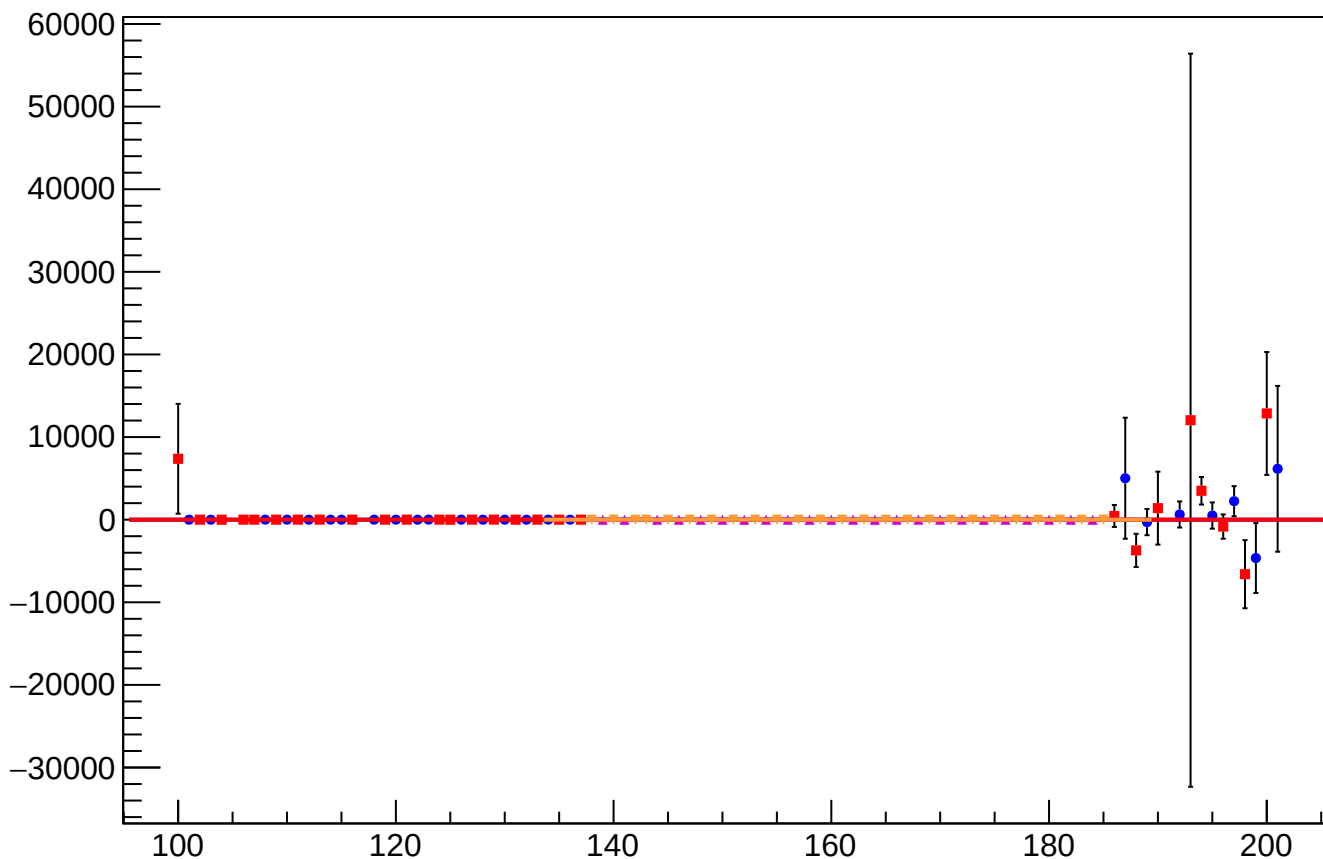
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.468 $\pm$ 0.019 χ^2 /NDF: 4439272.3/48

All: 132.516 $\pm$ 0.013 χ^2 /NDF: 9175361.6/98

- sign 133.617 $\pm$ 0.019 χ^2 /NDF: 4729660.4/49

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 16.1/23

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

Right Out: 0.638 ± 0.852 χ^2/NDF : 28.7/26

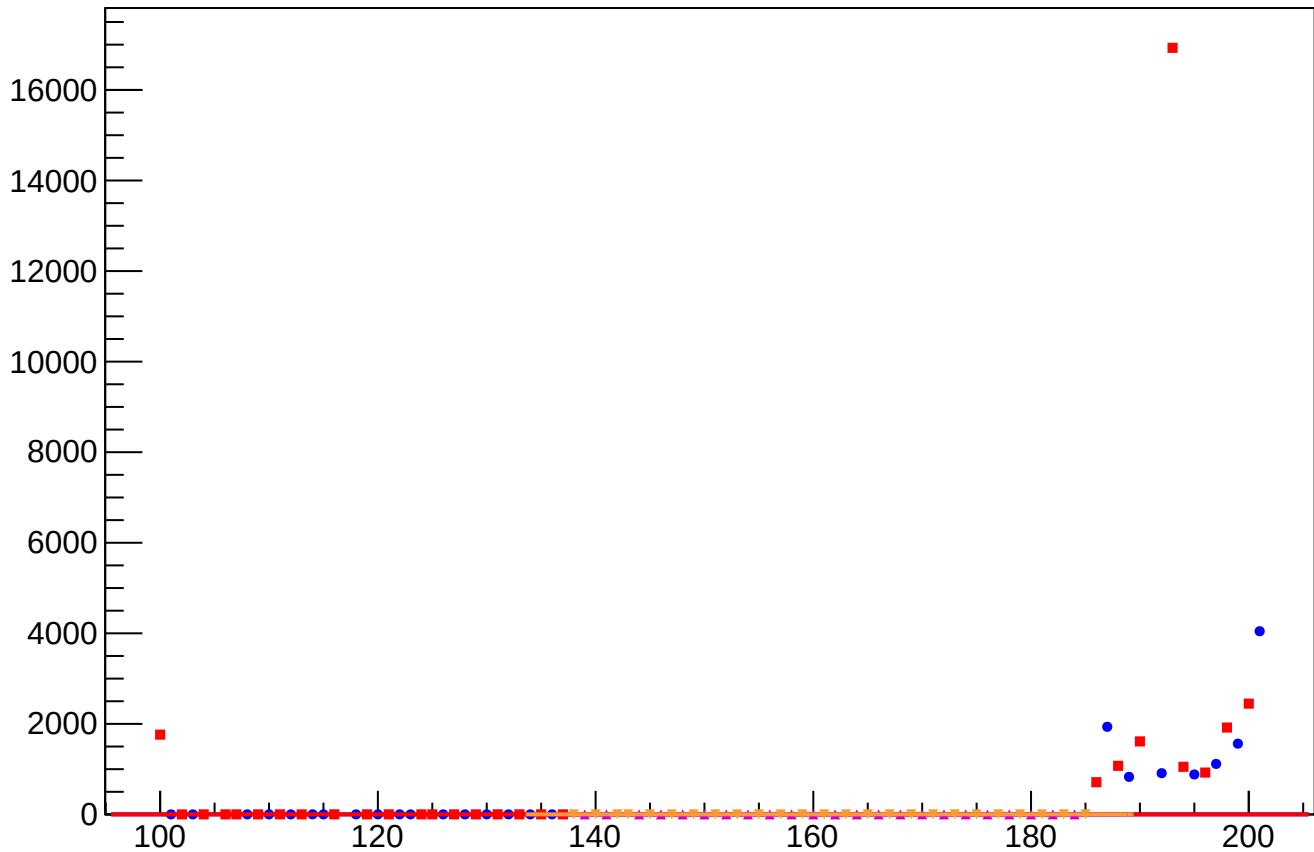
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 46.5/48

All: 0.046 ± 0.334 χ^2/NDF : 96.7/98

- sign 0.003 ± 0.479 χ^2/NDF : 50.2/49

asym_dsr_correction_rms vs Slug



Right In: 1.866 $\pm$ 0.001 χ^2 /NDF: 3800990.1/23

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

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 4461941.6/26

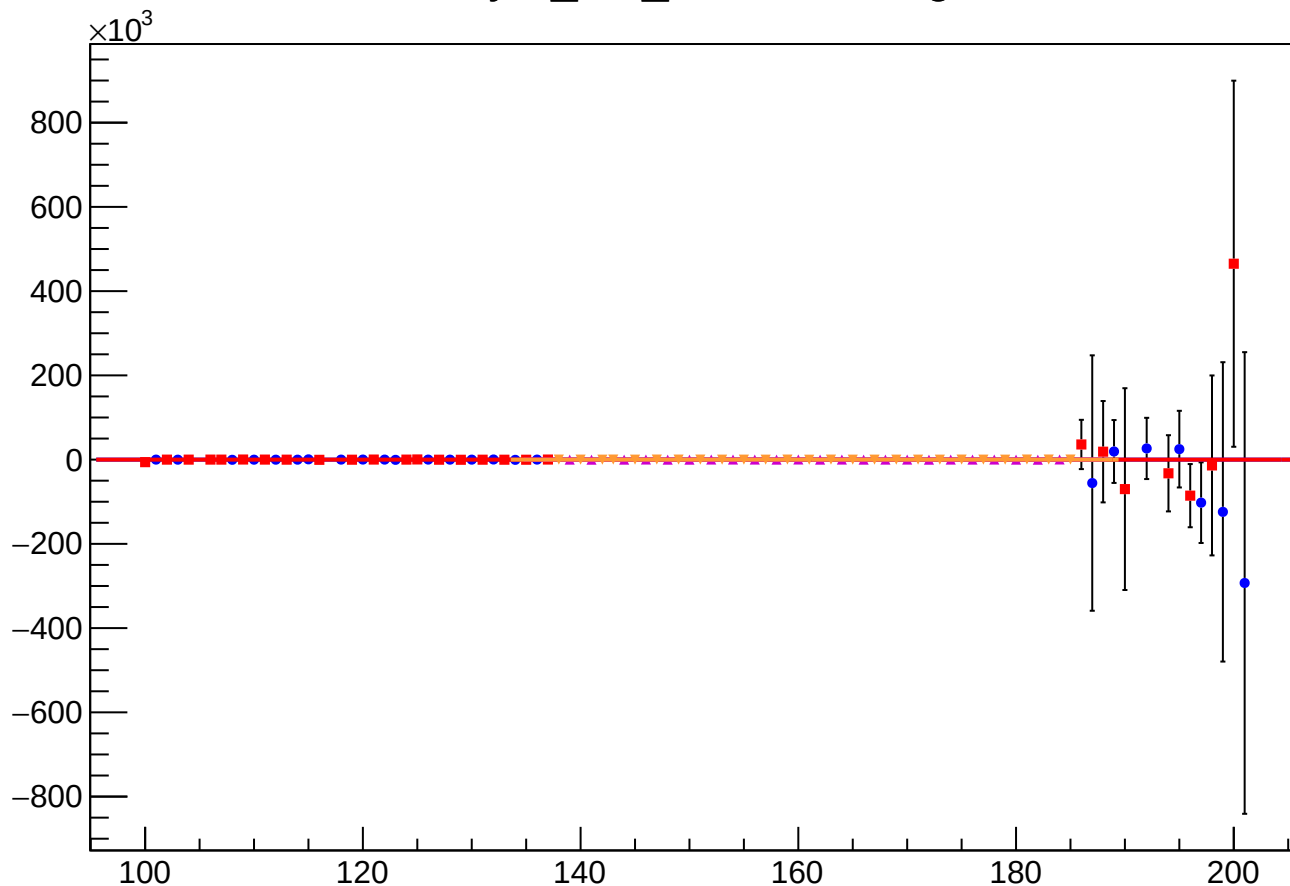
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 4494244.2/48

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 9500204.0/98

- sign 2.152 $\pm$ 0.000 χ^2 /NDF: 5003738.6/49

asym_dsr_mean vs Slug



Right In: -25.064 ± 46.854 χ^2/NDF : 16.3/23

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

Right Out: -54.300 ± 47.789 χ^2/NDF : 19.1/25

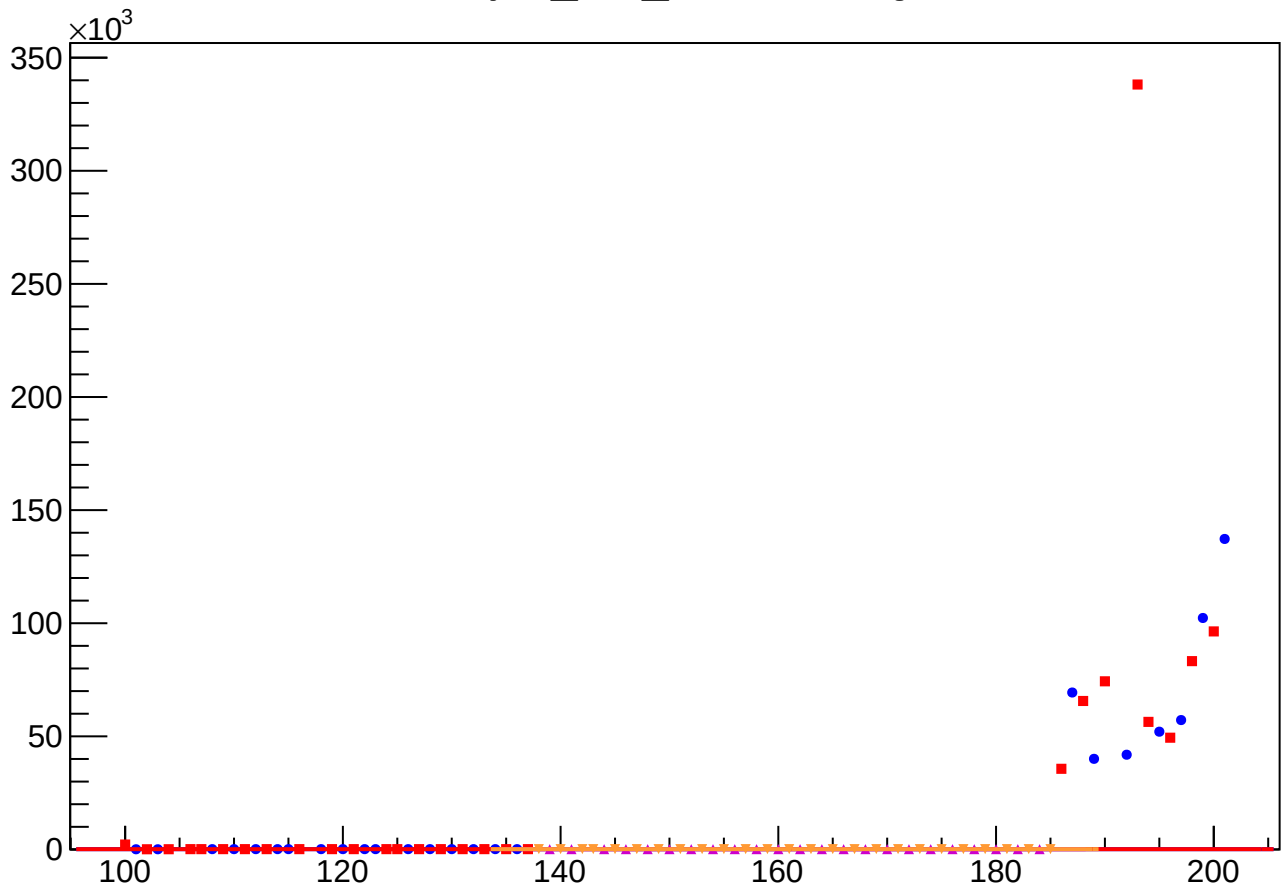
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.110 ± 26.465 χ^2/NDF : 28.2/48

All: 4.259 ± 18.944 χ^2/NDF : 72.3/97

- sign 26.711 ± 27.129 χ^2/NDF : 42.7/48

asym_dsr_rms vs Slug



Right In: 117.867 $\pm$ 0.033 χ^2 /NDF: 4190132.3/23

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

Right Out: 124.799 $\pm$ 0.034 χ^2 /NDF: 4639552.7/26

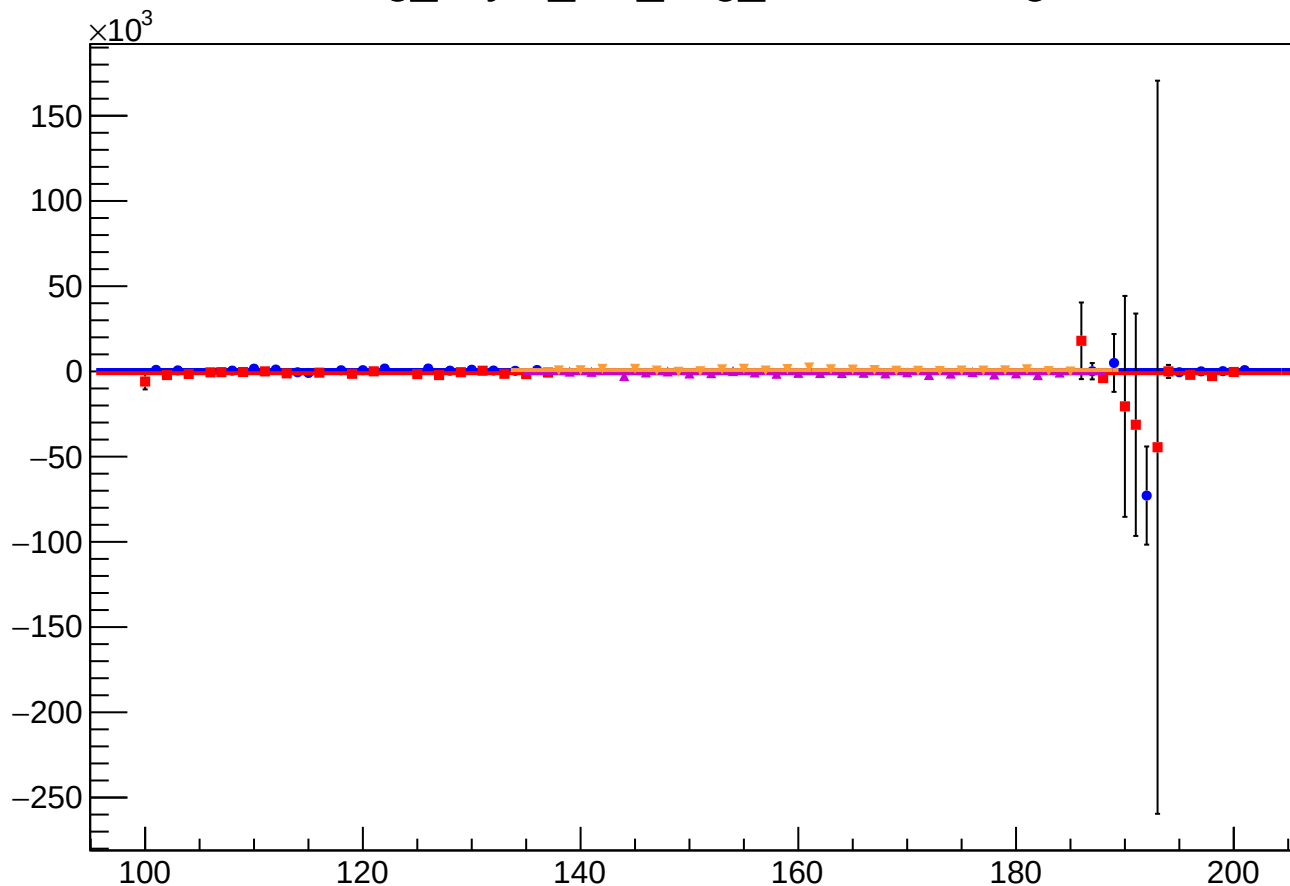
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.505 $\pm$ 0.019 χ^2 /NDF: 4439431.0/48

All: 132.546 $\pm$ 0.013 χ^2 /NDF: 9186782.0/98

- sign 133.640 $\pm$ 0.019 χ^2 /NDF: 4741006.2/49

reg_asym_left_avg_mean vs Slug



Right In: 816.529+/-212.615 χ^2/NDF : 12.4/22

Left Out: 784.371+/-134.054 χ^2/NDF : 19.2/23

Right Out: -1026.459+/-209.621 χ^2/NDF : 17.1/26

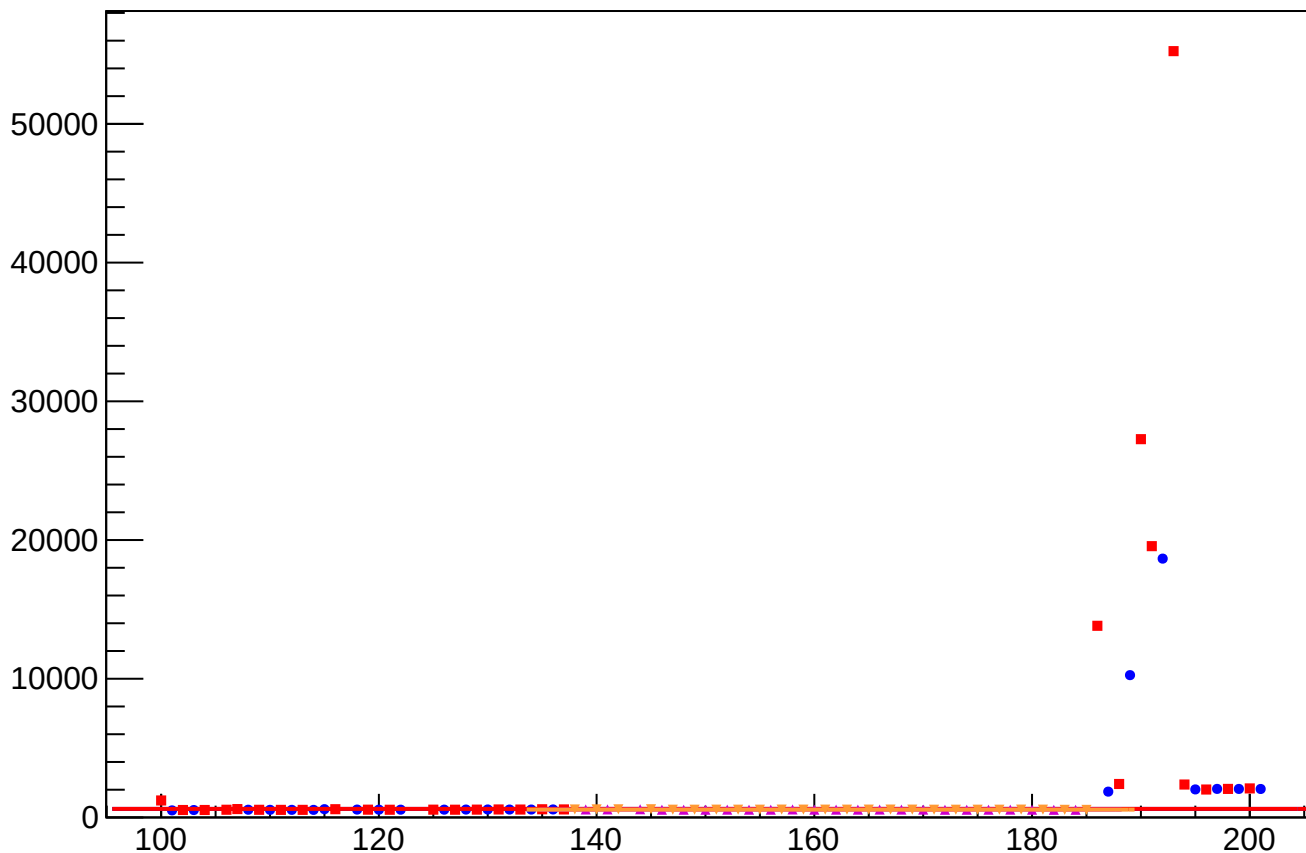
Left In: -974.402+/-134.932 χ^2/NDF : 27.4/22

+ sign 793.518+/-113.396 χ^2/NDF : 31.6/46

All: -97.577+/-80.205 χ^2/NDF : 199.7/96

- sign -989.652+/-113.458 χ^2/NDF : 44.5/49

reg_asym_left_avg_rms vs Slug



Right In: 613.906+/-0.150 χ^2/NDF : 4896356.6/22

Left Out: 564.143+/-0.095 χ^2/NDF : 9594.1/23

Right Out: 617.466+/-0.148 χ^2/NDF : 5132014.5/26

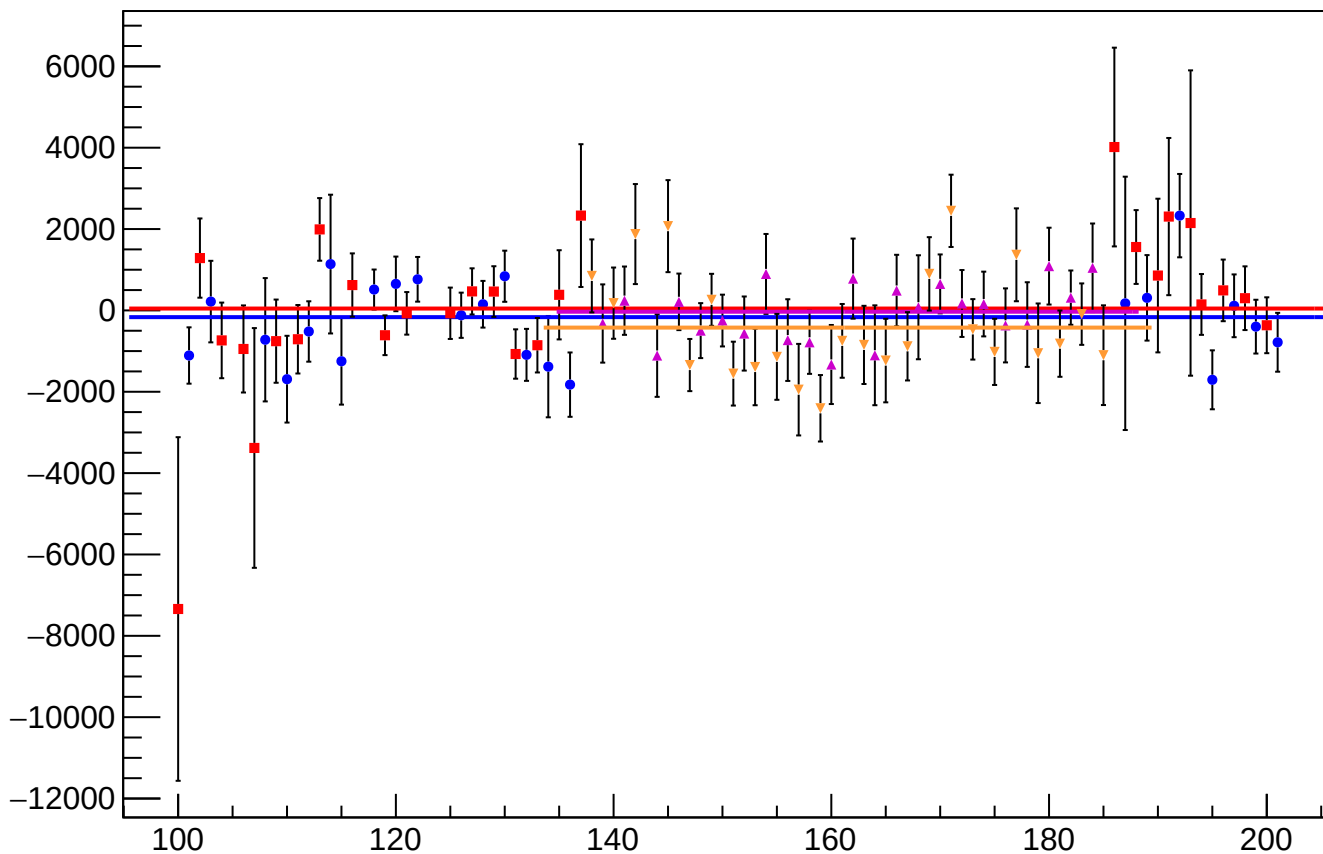
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 578.298+/-0.080 χ^2/NDF : 4984346.6/46

All: 579.116+/-0.057 χ^2/NDF : 10216458.7/90

- sign 579.934+/-0.080 χ^2/NDF : 5231904.1/49

asym_left_avg_correction_mean vs Slug



Right In: -165.576+/-157.448 χ^2/NDF : 34.3/22

Left Out: -422.681+/-180.610 χ^2/NDF : 43.2/23

Right Out: 45.904+/-157.371 χ^2/NDF : 34.0/26

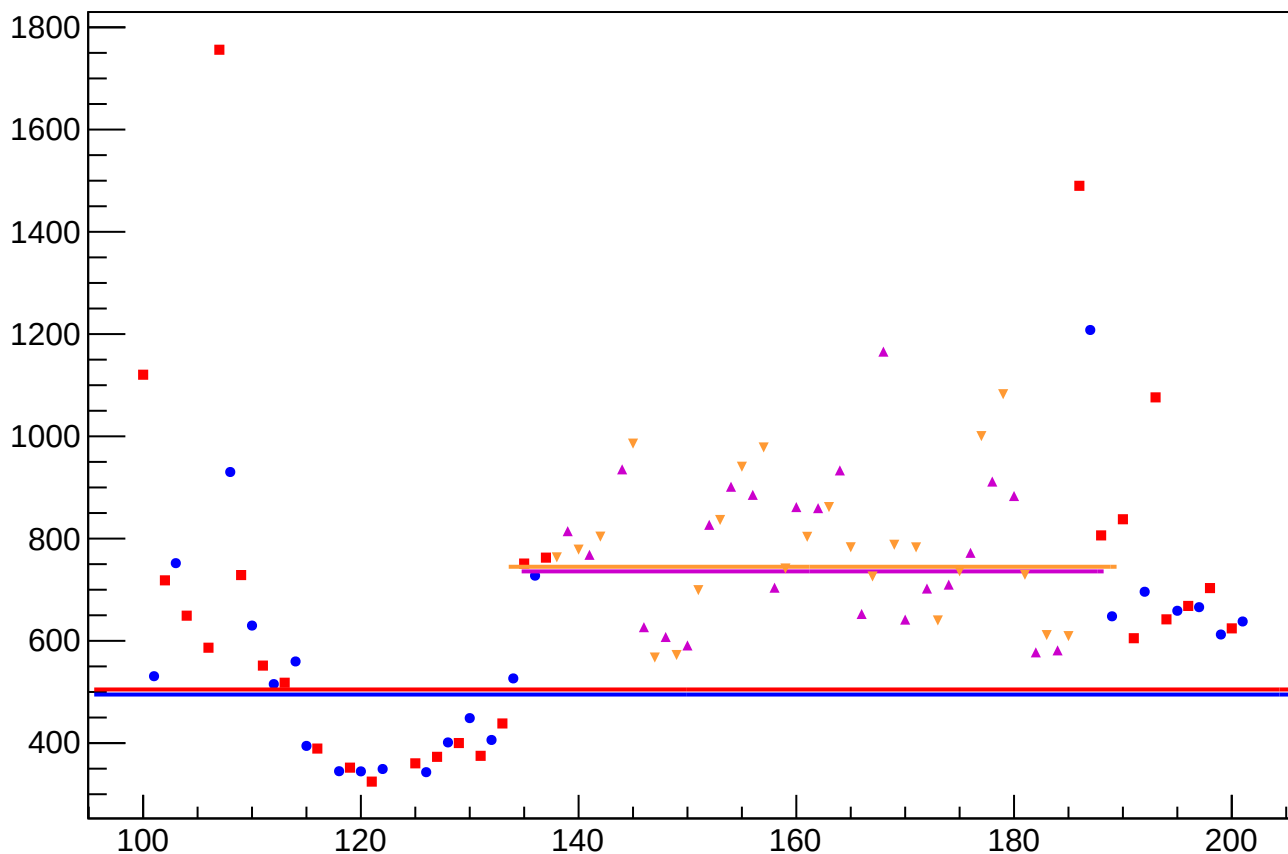
Left In: -32.411+/-179.430 χ^2/NDF : 12.2/22

+ sign -276.596+/-118.682 χ^2/NDF : 78.6/46

All: -131.921+/-83.790 χ^2/NDF : 127.8/96

- sign 11.854+/-118.313 χ^2/NDF : 46.3/49

asym_left_avg_correction_rms vs Slug



Right In: 494.981+/-0.111 χ^2/NDF : 1774282.4/22

Left Out: 744.909+/-0.128 χ^2/NDF :1008847.7/23

Right Out: 504.889+/-0.111 χ^2/NDF : 2671984.2/26

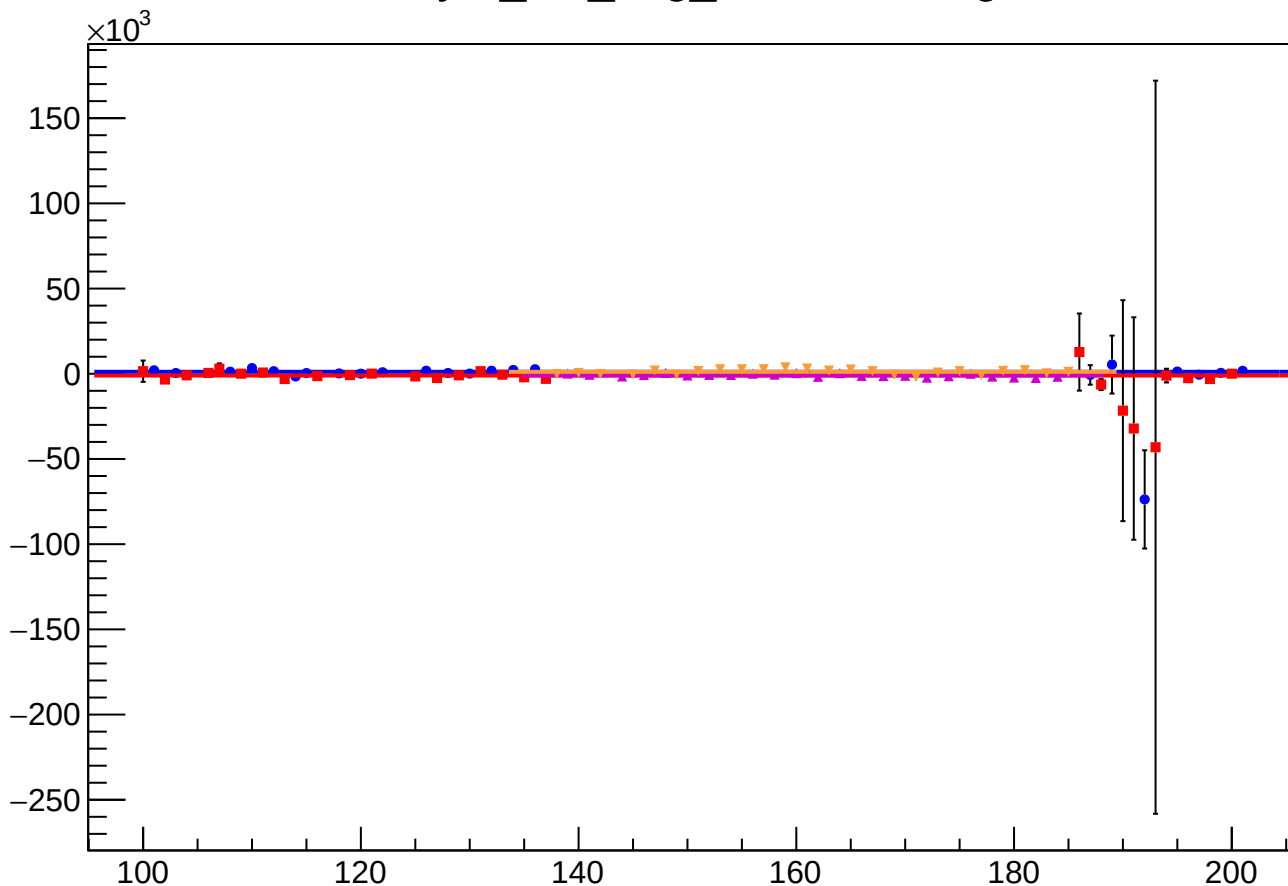
Left In: 735.850+/-0.127 χ^2/NDF :1105405.5/22

+ sign 602.902+/-0.084 χ^2/NDF : 4959196.5/46

All: 604.108+/-0.059 χ^2/NDF : 10609965.3/96

- sign 605.307+/-0.084 χ^2/NDF : 5650356.9/49

asym_left_avg_mean vs Slug



Right In: 1161.209 $\pm$ 287.019 χ^2 /NDF: 19.3/22

Left Out: 1137.936 $\pm$ 228.834 χ^2 /NDF: 38.9/23

Right Out: -1023.844 $\pm$ 285.956 χ^2 /NDF: 28.0/26

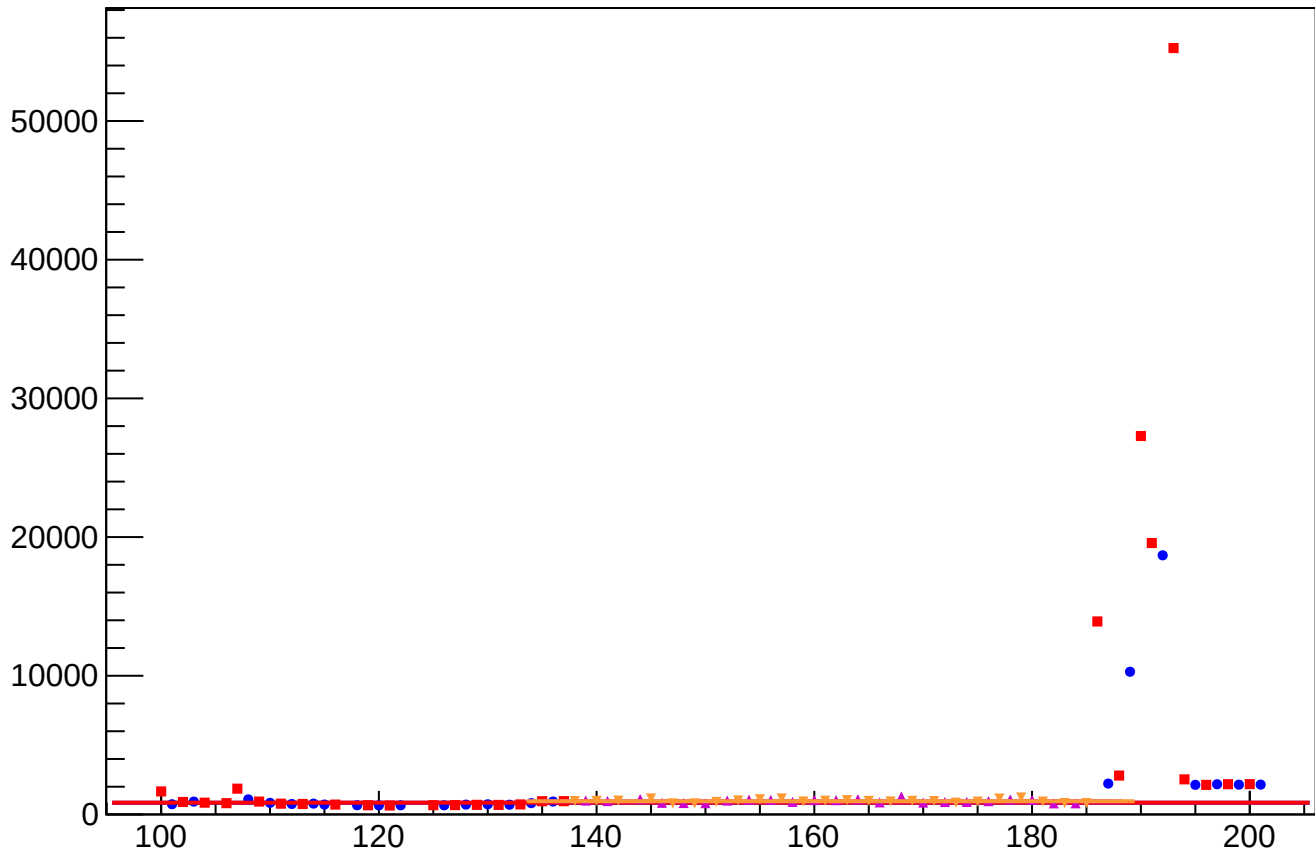
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1146.981 $\pm$ 178.927 χ^2 /NDF: 58.1/46

All: 83.673 $\pm$ 126.343 χ^2 /NDF: 171.4/96

- sign -973.682 $\pm$ 178.425 χ^2 /NDF: 42.8/49

asym_left_avg_rms vs Slug



Right In: 842.385 $\pm$ 0.203 χ^2 /NDF: 4326585.3/22

Left Out: 954.333 $\pm$ 0.162 χ^2 /NDF: 460147.5/23

Right Out: 849.767 $\pm$ 0.202 χ^2 /NDF: 4871469.9/26

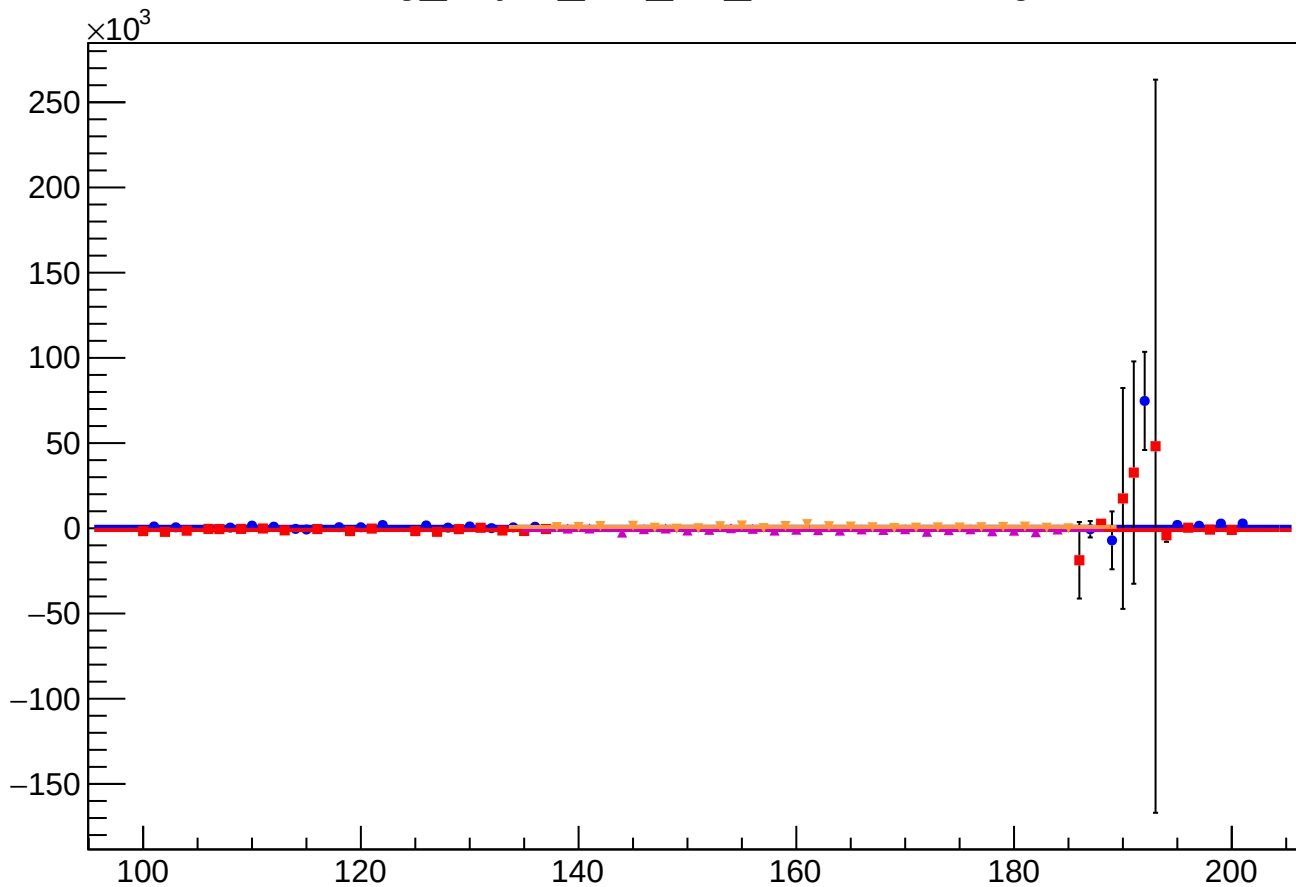
Left In: 946.573 $\pm$ 0.161 χ^2 /NDF: 501366.9/22

+ sign 910.828 $\pm$ 0.127 χ^2 /NDF: 4972748.9/46

All: 909.853 $\pm$ 0.089 χ^2 /NDF: 10485675.6/96

- sign 908.884 $\pm$ 0.126 χ^2 /NDF: 5512808.3/49

reg_asym_left_dd_mean vs Slug



Right In: 894.472 $\pm$ 212.468 χ^2 /NDF: 14.7/22

Left Out: 757.642 $\pm$ 133.942 χ^2 /NDF: 21.0/23

Right Out: -999.992 $\pm$ 204.845 χ^2 /NDF: 16.1/26

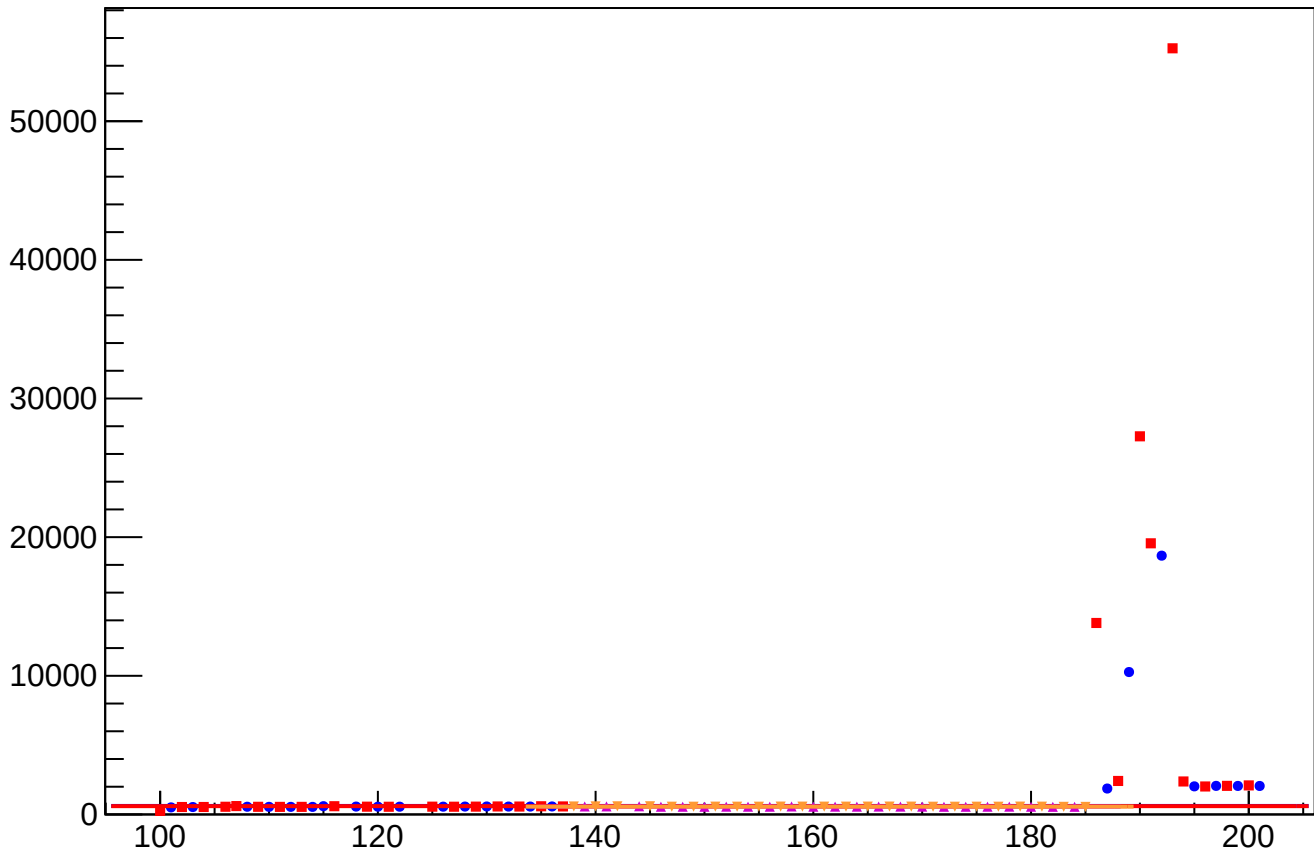
Left In: -958.517 $\pm$ 134.824 χ^2 /NDF: 26.8/22

+ sign 796.556 $\pm$ 113.306 χ^2 /NDF: 36.0/46

All: -92.619 $\pm$ 79.876 χ^2 /NDF: 201.4/96

- sign -971.053 $\pm$ 112.620 χ^2 /NDF: 43.0/49

reg_asym_left_dd_rms vs Slug



Right In: 613.356+/-0.150 χ^2/NDF : 4903596.2/22

Left Out: 563.675+/-0.095 χ^2/NDF :9542.9/23

Right Out: 599.170+/-0.145 χ^2/NDF : 5375313.8/26

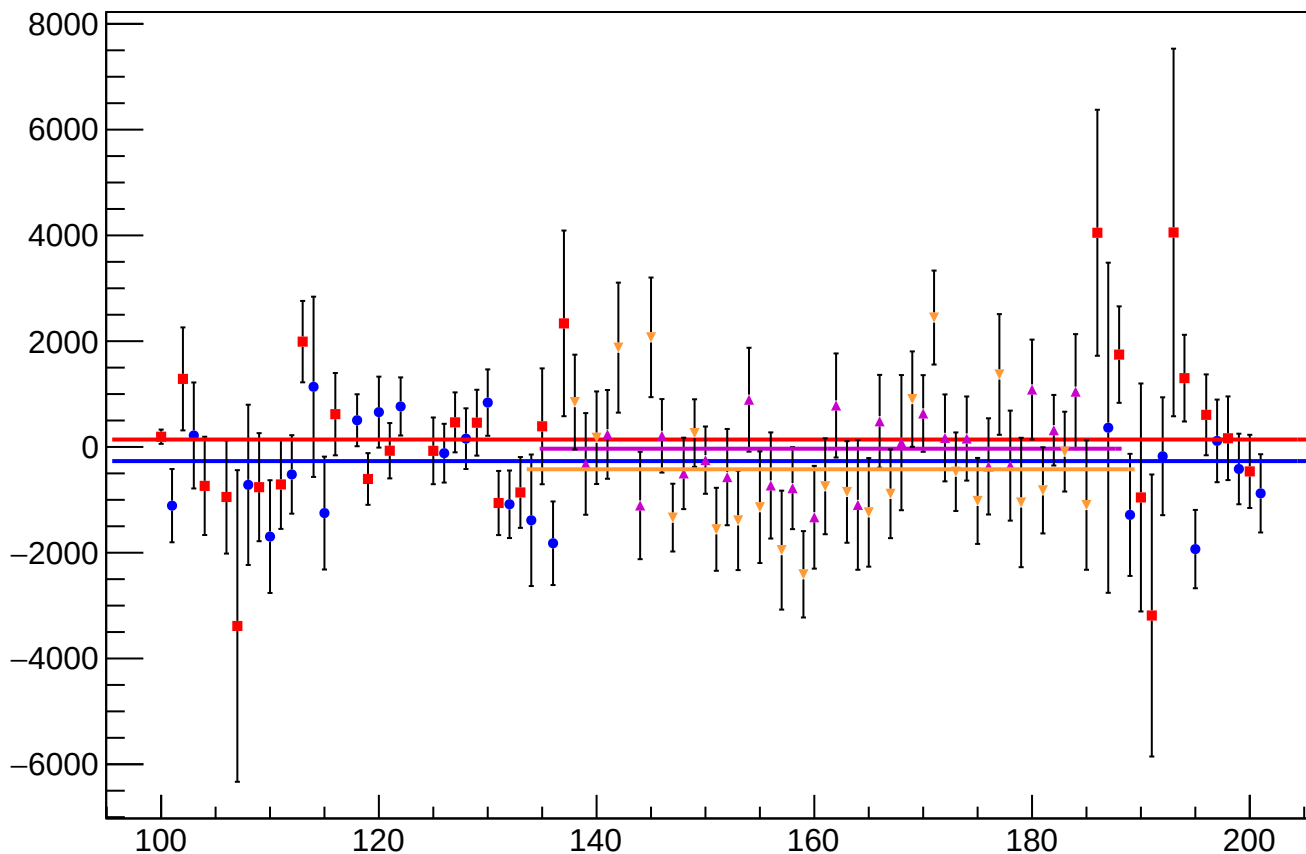
Left In: 563.934+/-0.095 χ^2/NDF :9204.6/22

+ sign 577.804+/-0.080 χ^2/NDF : 4991393.7/46

All: 576.184+/-0.056 χ^2/NDF : 10418013.5/96

- sign 574.584+/-0.080 χ^2/NDF : 5425807.5/49

asym_left_dd_correction_mean vs Slug



Right In: -267.503 ± 158.471 χ^2/NDF : 30.0/22

Left Out: -422.324 ± 180.531 χ^2/NDF : 43.3/23

Right Out: 140.411 ± 102.771 χ^2/NDF : 36.0/26

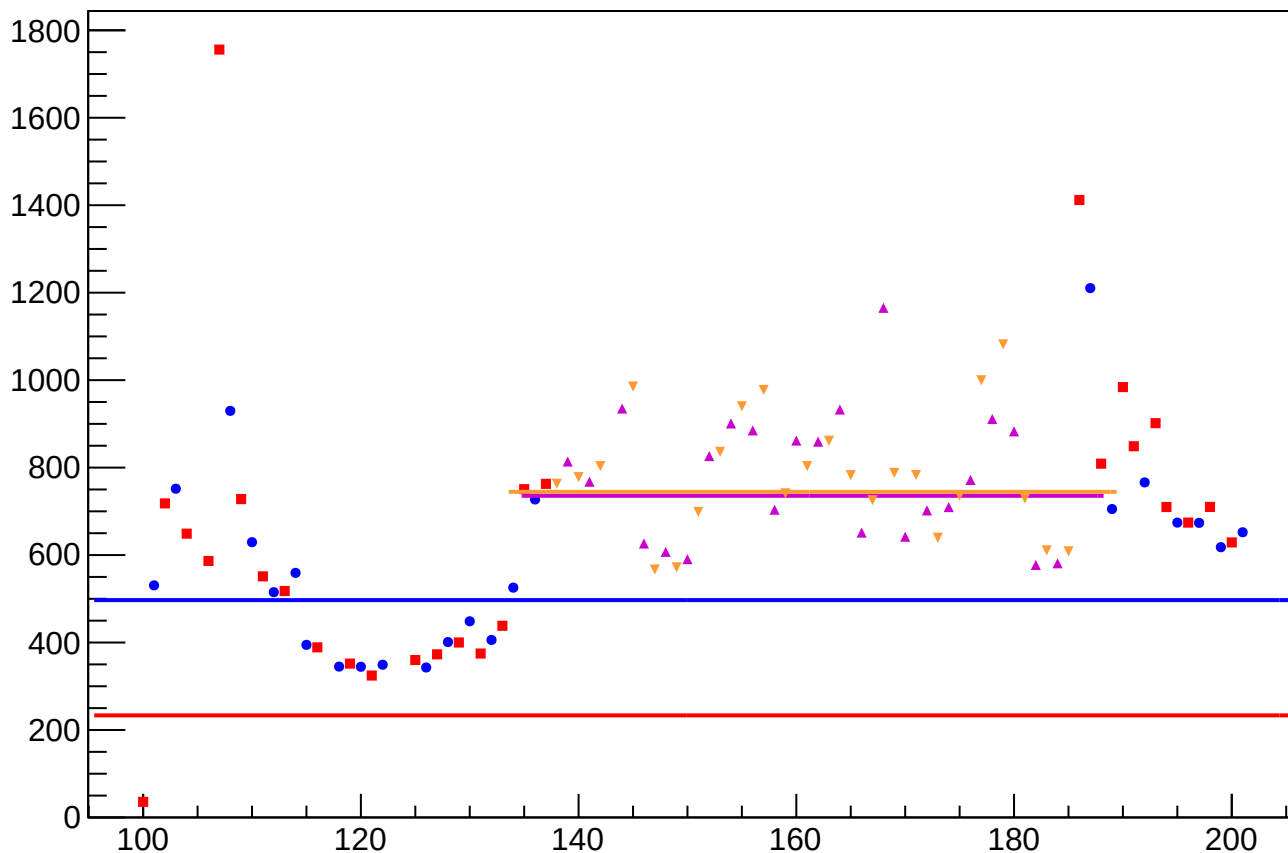
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -334.881 ± 119.096 χ^2/NDF : 73.7/46

All: -57.838 ± 71.379 χ^2/NDF : 130.9/96

- sign 97.467 ± 89.169 χ^2/NDF : 48.8/49

asym_left_dd_correction_rms vs Slug



Right In: 497.004 $\pm$ 0.112 χ^2 /NDF: 1879483.5/22

Left Out: 744.597 $\pm$ 0.128 χ^2 /NDF: 1009604.0/23

Right Out: 233.438 $\pm$ 0.073 χ^2 /NDF: 12948406.3/26

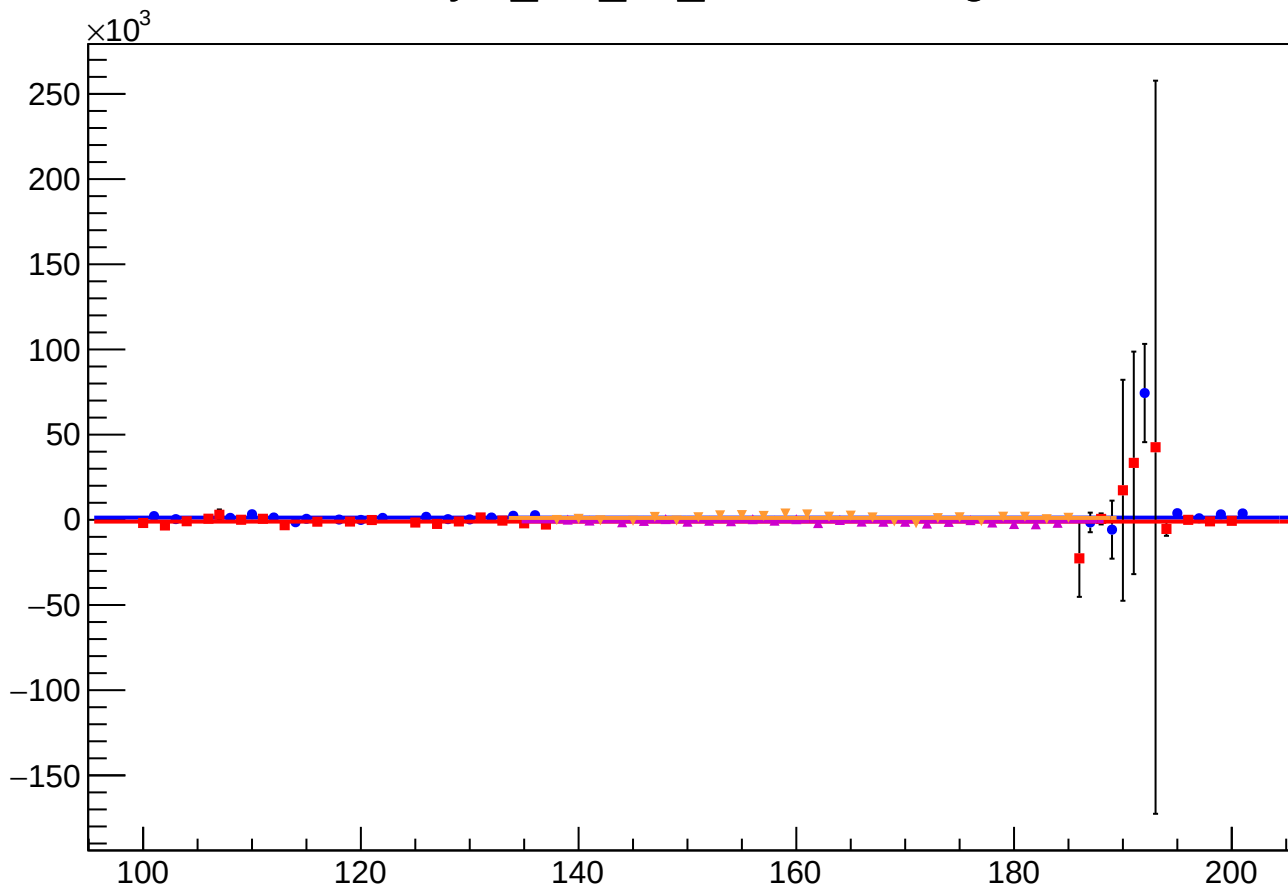
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF: 1105222.3/22

+ sign 604.756 $\pm$ 0.084 χ^2 /NDF: 5013783.1/46

All: 446.347 $\pm$ 0.050 χ^2 /NDF: 36389332.8/96

- sign 357.546 $\pm$ 0.063 χ^2 /NDF: 25853707.7/49

asym_left_dd_mean vs Slug



Right In: 1289.303 $\pm$ 286.884 χ^2 /NDF: 21.6/22

Left Out: 1105.144 $\pm$ 228.700 χ^2 /NDF: 38.3/23

Right Out: -1036.758 $\pm$ 274.397 χ^2 /NDF: 25.3/26

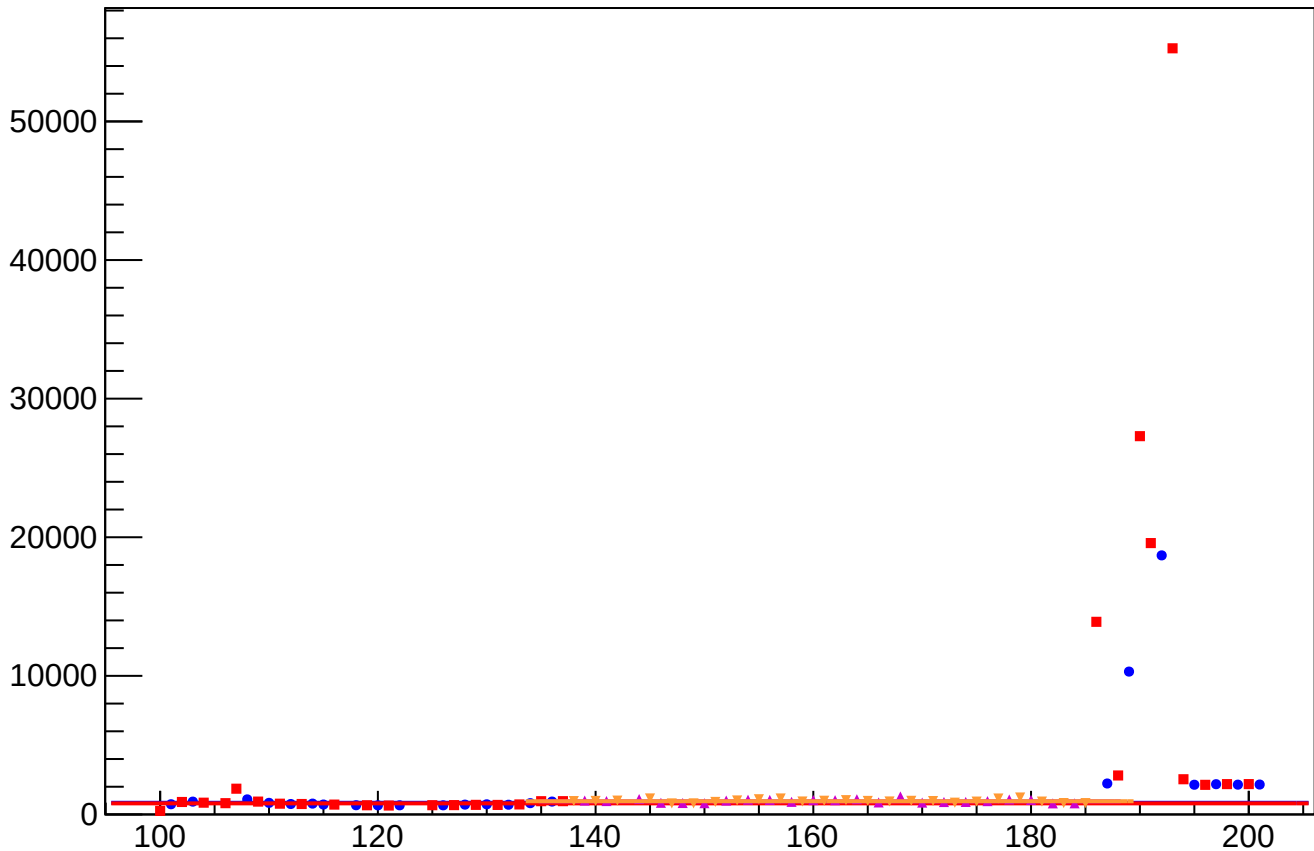
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1176.702 $\pm$ 178.830 χ^2 /NDF: 60.1/46

All: 82.149 $\pm$ 125.241 χ^2 /NDF: 174.1/96

- sign -971.449 $\pm$ 175.452 χ^2 /NDF: 40.6/49

asym_left_dd_rms vs Slug



Right In: 841.703 $\pm$ 0.203 χ^2 /NDF: 4338631.1/22

Left Out: 953.781 $\pm$ 0.162 χ^2 /NDF: 460211.0/23

Right Out: 800.046 $\pm$ 0.194 χ^2 /NDF: 5532787.4/26

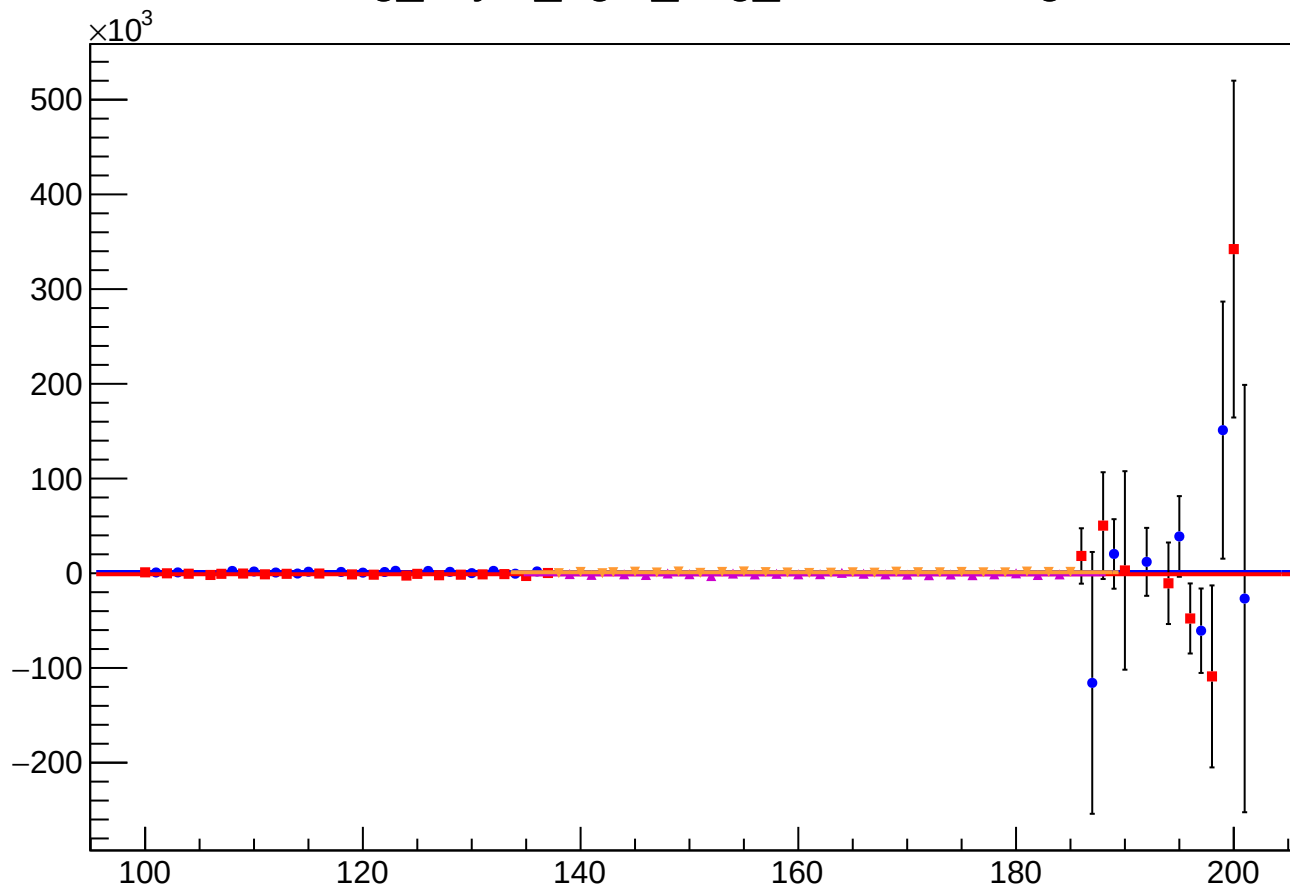
Left In: 946.041 $\pm$ 0.161 χ^2 /NDF: 501442.7/22

+ sign 910.231 $\pm$ 0.126 χ^2 /NDF: 4985483.8/46

All: 898.064 $\pm$ 0.089 χ^2 /NDF: 11372577.9/96

- sign 886.351 $\pm$ 0.124 χ^2 /NDF: 6368923.4/49

reg_asym_right_avg_mean vs Slug



Right In: 1324.696 $\pm$ 218.586 χ^2 /NDF: 17.8/23

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

Right Out: -1040.548 $\pm$ 212.065 χ^2 /NDF: 21.4/25

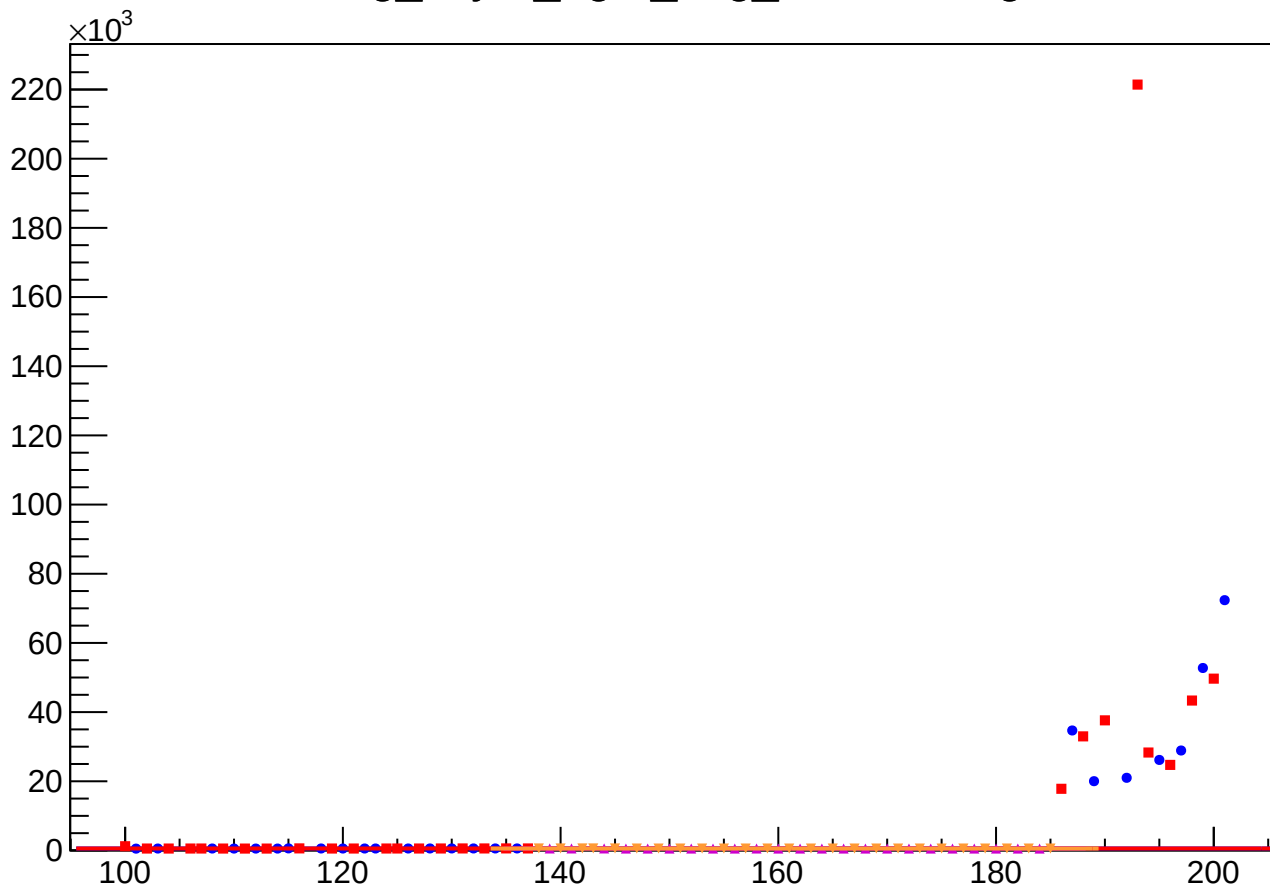
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

+ sign 1138.996 $\pm$ 111.536 χ^2 /NDF: 33.9/48

All: 31.702 $\pm$ 79.302 χ^2 /NDF: 284.8/97

- sign -1100.297 $\pm$ 112.773 χ^2 /NDF: 51.5/48

reg_asym_right_avg_rms vs Slug



Right In: 566.669 $\pm$ 0.155 χ^2 /NDF: 3481462.2/23

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

Right Out: 568.652 $\pm$ 0.150 χ^2 /NDF: 4083116.8/26

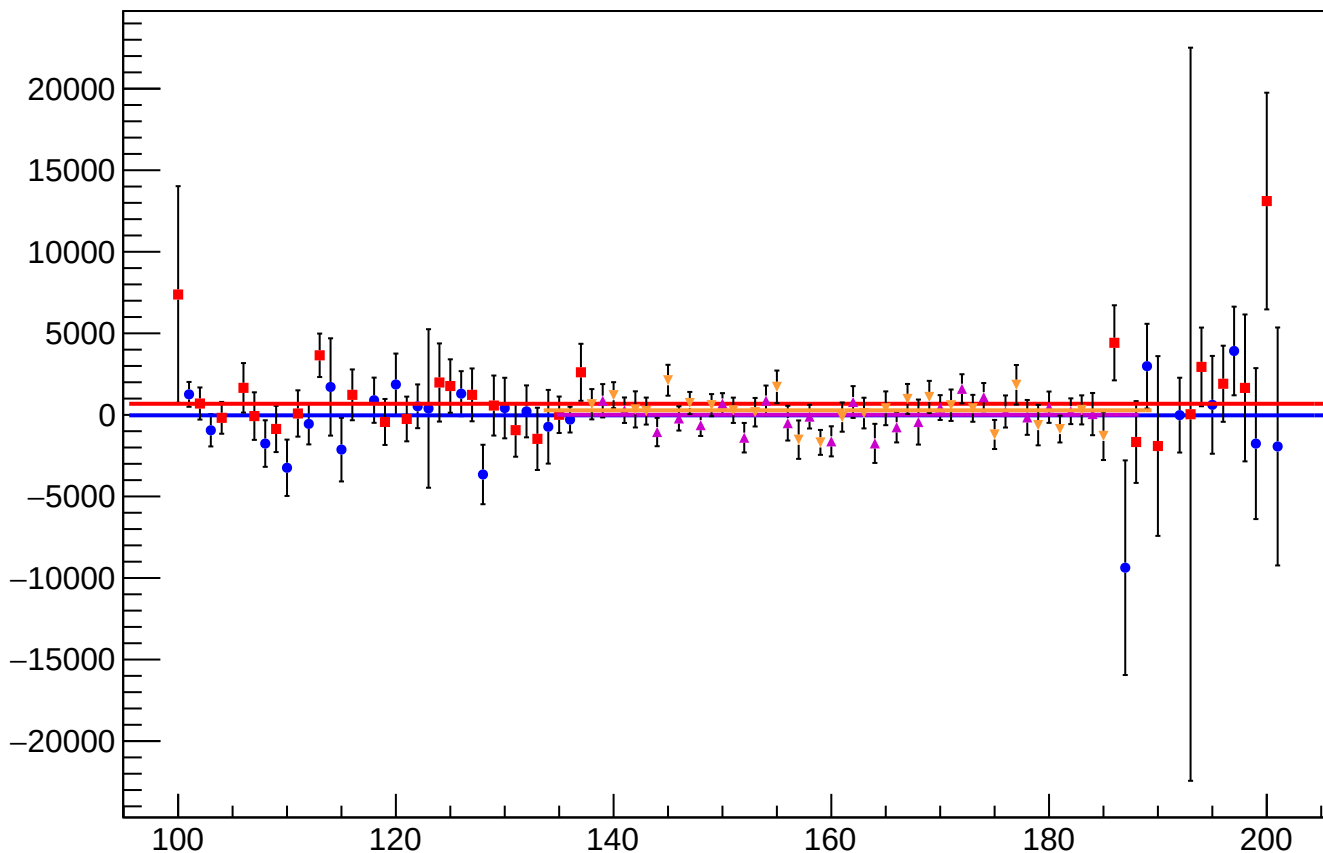
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

+ sign 559.913 $\pm$ 0.079 χ^2 /NDF: 3498798.3/48

All: 560.091 $\pm$ 0.056 χ^2 /NDF: 7597488.6/98

- sign 560.273 $\pm$ 0.080 χ^2 /NDF: 4098680.0/49

asym_right_avg_correction_mean vs Slug



Right In: -26.993 ± 316.965 χ^2/NDF : 22.8/23

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

Right Out: 681.556 ± 318.959 χ^2/NDF : 23.2/26

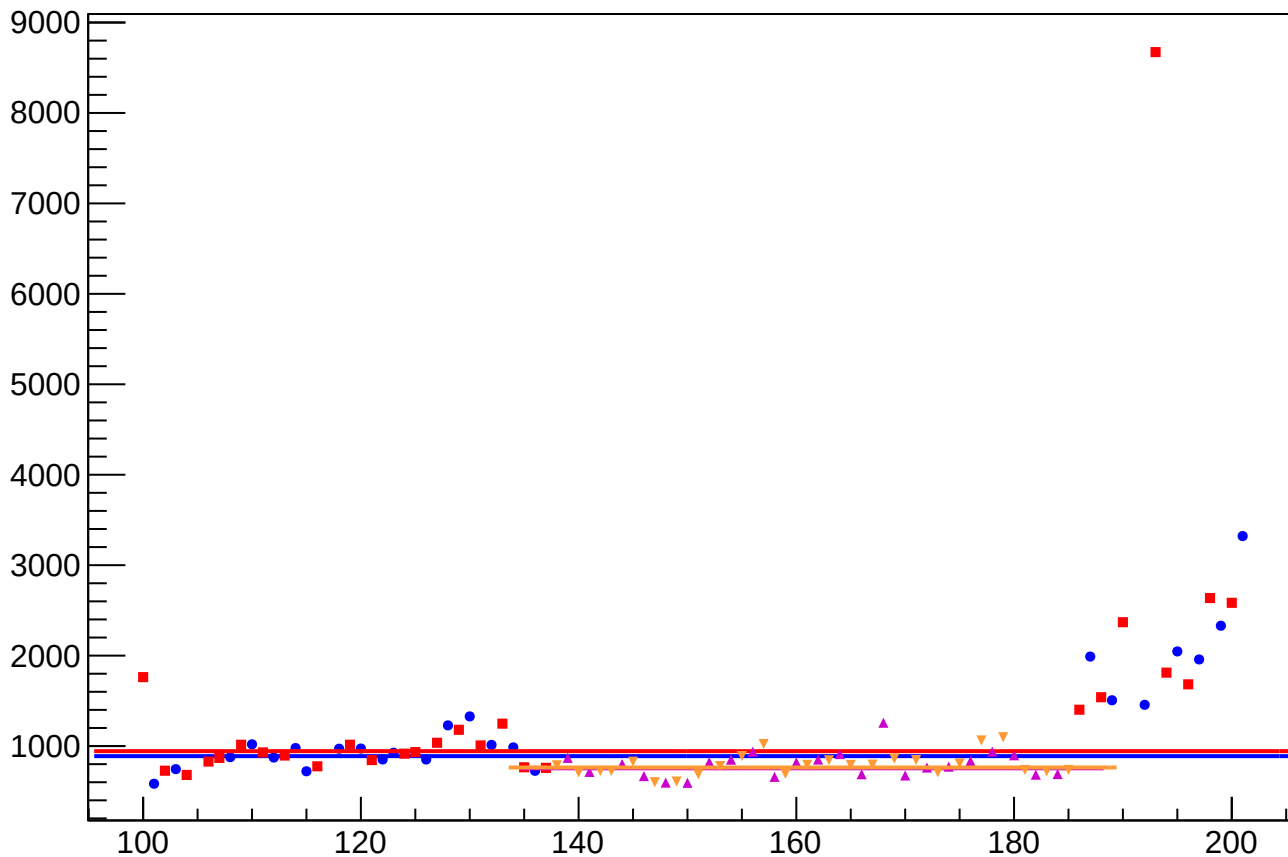
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 206.289 ± 156.800 χ^2/NDF : 50.3/48

All: 191.103 ± 111.637 χ^2/NDF : 97.0/98

- sign 175.492 ± 158.979 χ^2/NDF : 46.7/49

asym_right_avg_correction_rms vs Slug



Right In: 888.568 $\pm$ 0.224 χ^2 /NDF: 2003604.5/23

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

Right Out: 943.630 $\pm$ 0.226 χ^2 /NDF: 1931360.4/26

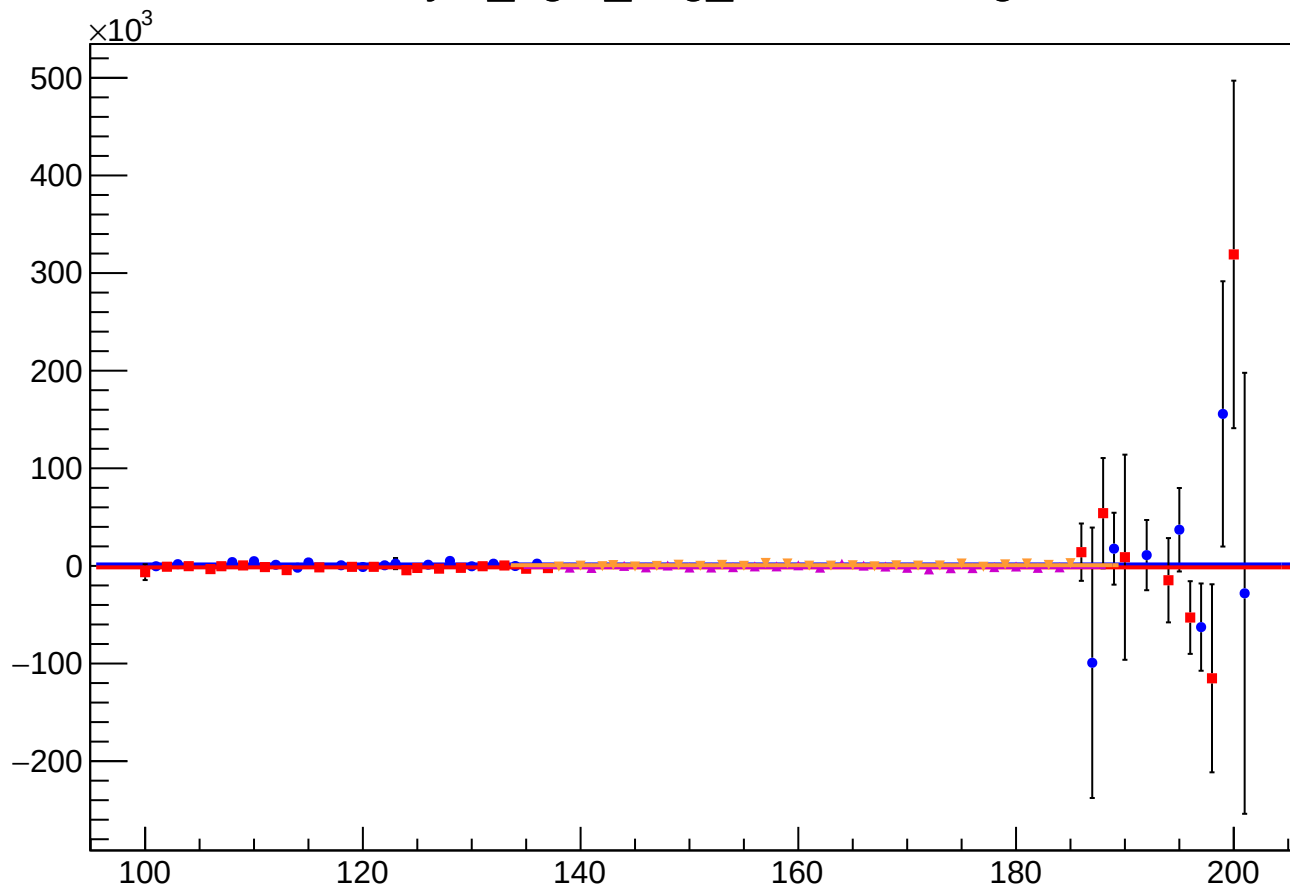
Left In: 754.099 $\pm$ 0.130 χ^2 /NDF: 931829.3/22

+ sign 793.793 $\pm$ 0.111 χ^2 /NDF: 2994053.8/48

All: 797.438 $\pm$ 0.079 χ^2 /NDF: 6390186.9/98

- sign 801.185 $\pm$ 0.112 χ^2 /NDF: 3393941.6/49

asym_right_avg_mean vs Slug



Right In: 1499.451 ± 402.579 χ^2/NDF : 22.0/23

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

Right Out: -1489.340 ± 400.623 χ^2/NDF : 19.9/25

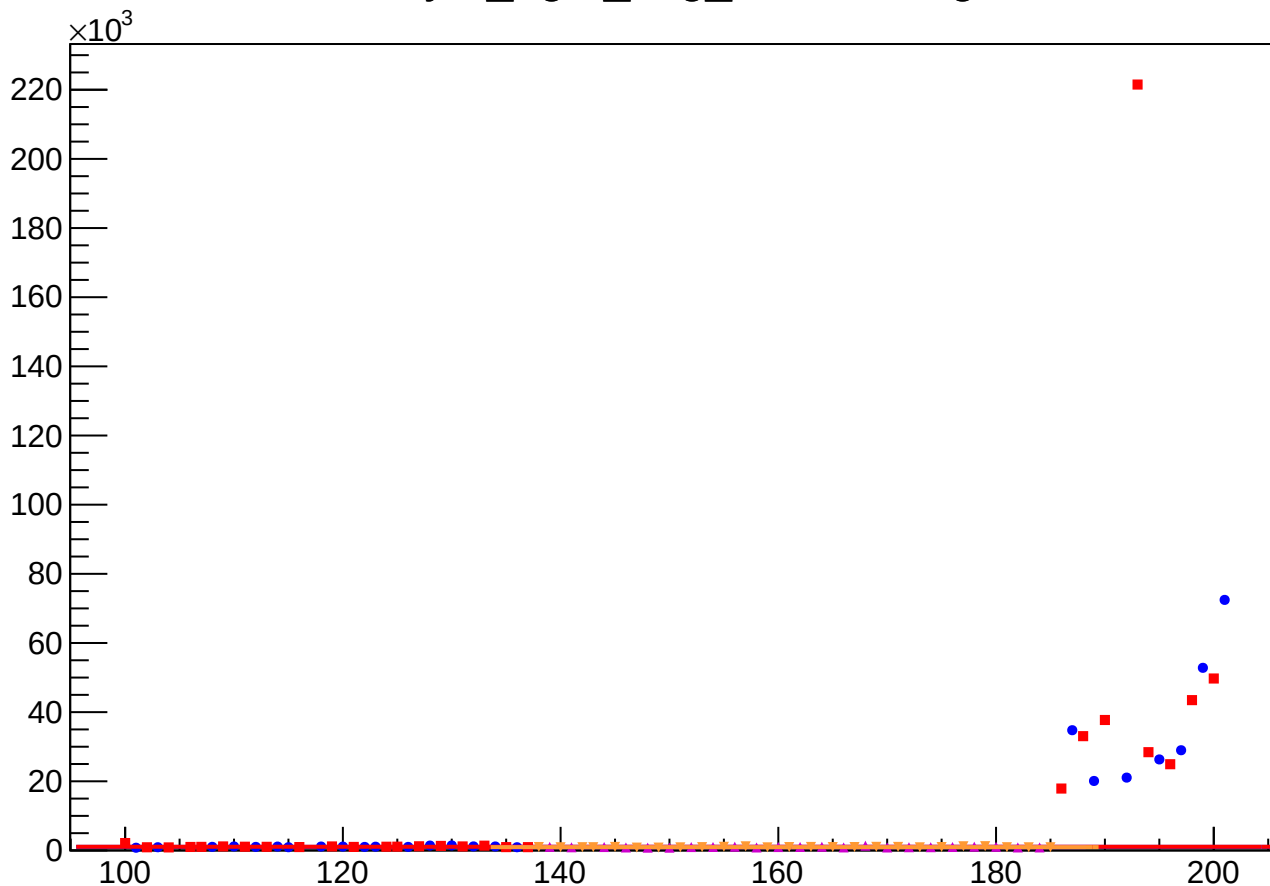
Left In: -1124.587 ± 230.065 χ^2/NDF : 25.4/22

+ sign 921.144 ± 196.762 χ^2/NDF : 46.2/48

All: -132.148 ± 140.092 χ^2/NDF : 150.2/97

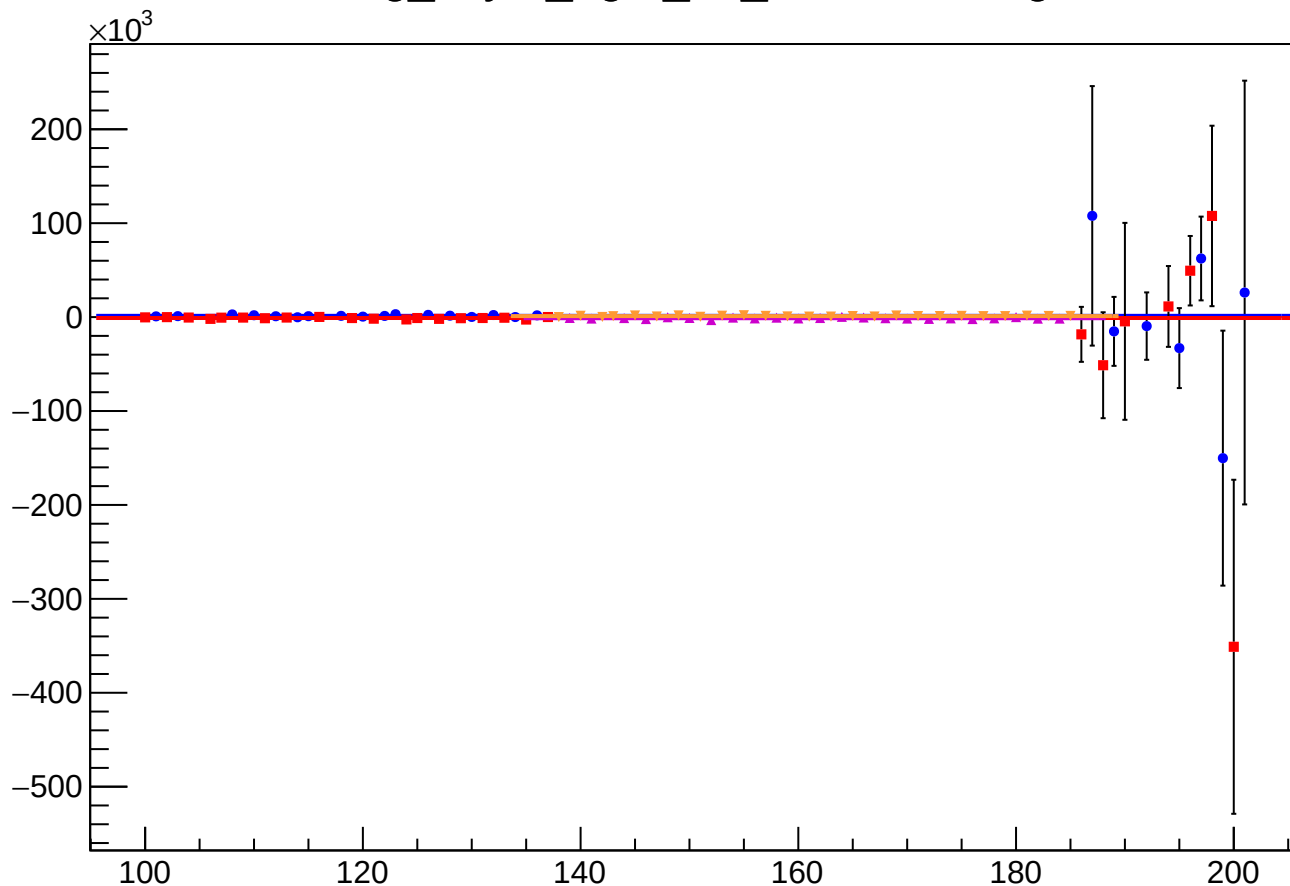
- sign -1215.045 ± 199.508 χ^2/NDF : 45.9/48

asym_right_avg_rms vs Slug



Right In: 1032.454 $\pm$ 0.285 χ^2 /NDF: 3688140.1/23 + sign 979.025 $\pm$ 0.139 χ^2 /NDF: 4097362.8/48
 Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF:362937.6/24 All: 981.047 $\pm$ 0.099 χ^2 /NDF: 8792096.5/98
 Right Out: 1069.493 $\pm$ 0.283 χ^2 /NDF: 4127304.2/26 - sign 983.126 $\pm$ 0.141 χ^2 /NDF: 4694305.2/49
 Left In: 954.643 $\pm$ 0.163 χ^2 /NDF:443395.0/22

reg_asym_right_dd_mean vs Slug



Right In: 1344.866 ± 218.840 χ^2/NDF : 16.7/23

Left Out: 1087.627 ± 129.821 χ^2/NDF : 14.9/24

Right Out: -965.104 ± 208.600 χ^2/NDF : 20.5/25

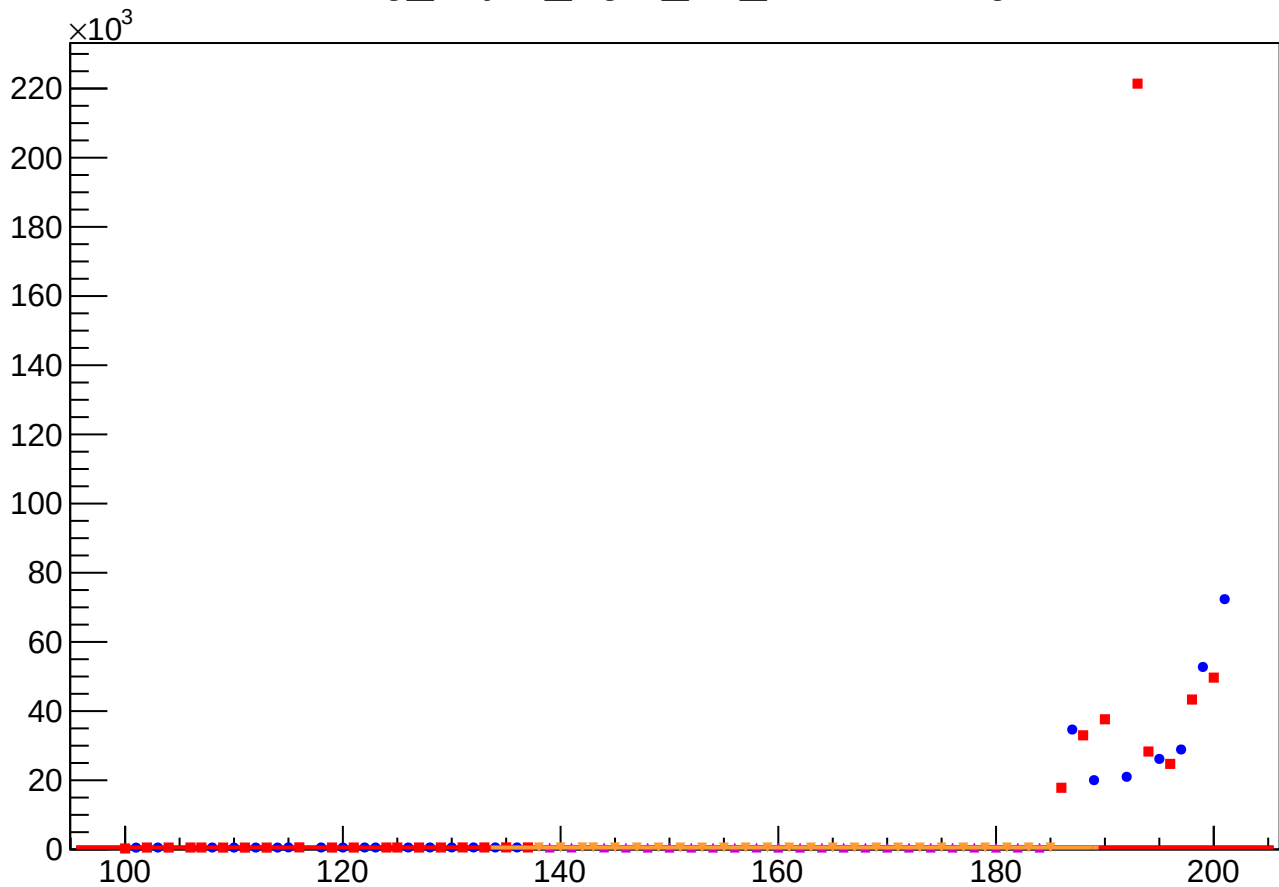
Left In: -1189.481 ± 133.313 χ^2/NDF : 32.2/22

+ sign 1154.588 ± 111.653 χ^2/NDF : 32.6/48

All: 22.000 ± 79.190 χ^2/NDF : 293.1/97

- sign -1124.414 ± 112.333 χ^2/NDF : 53.4/48

reg_asym_right_dd_rms vs Slug



Right In: 567.328 $\pm$ 0.155 χ^2 /NDF: 3481545.9/23

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

Right Out: 557.680 $\pm$ 0.148 χ^2 /NDF: 4169638.0/26

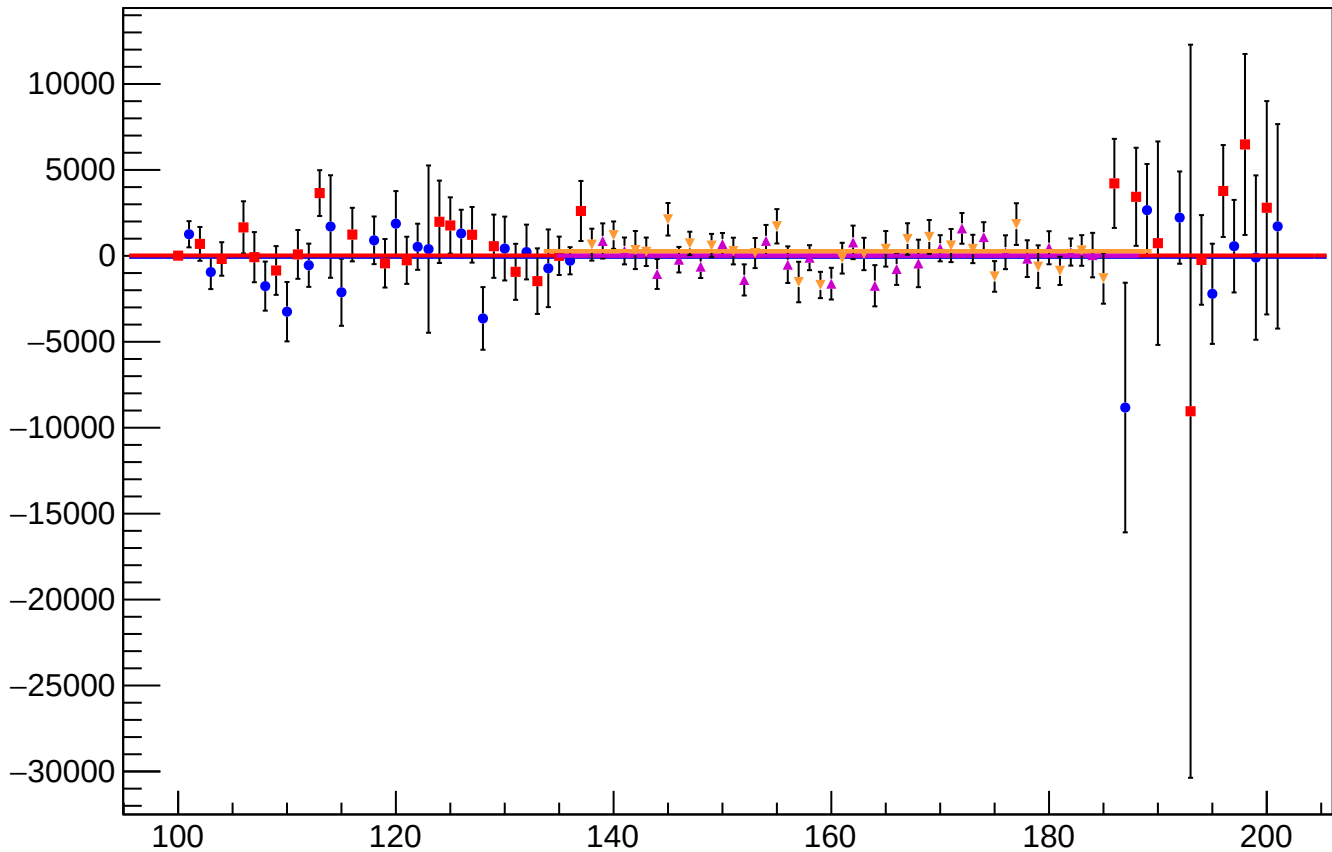
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

+ sign 560.501 $\pm$ 0.079 χ^2 /NDF: 3498962.2/48

All: 559.070 $\pm$ 0.056 χ^2 /NDF: 7680538.8/98

- sign 557.621 $\pm$ 0.079 χ^2 /NDF: 4180915.0/49

asym_right_dd_correction_mean vs Slug



Right In: -58.453 ± 317.847 χ^2/NDF : 20.9/23

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

Right Out: 22.865 ± 38.936 χ^2/NDF : 23.8/26

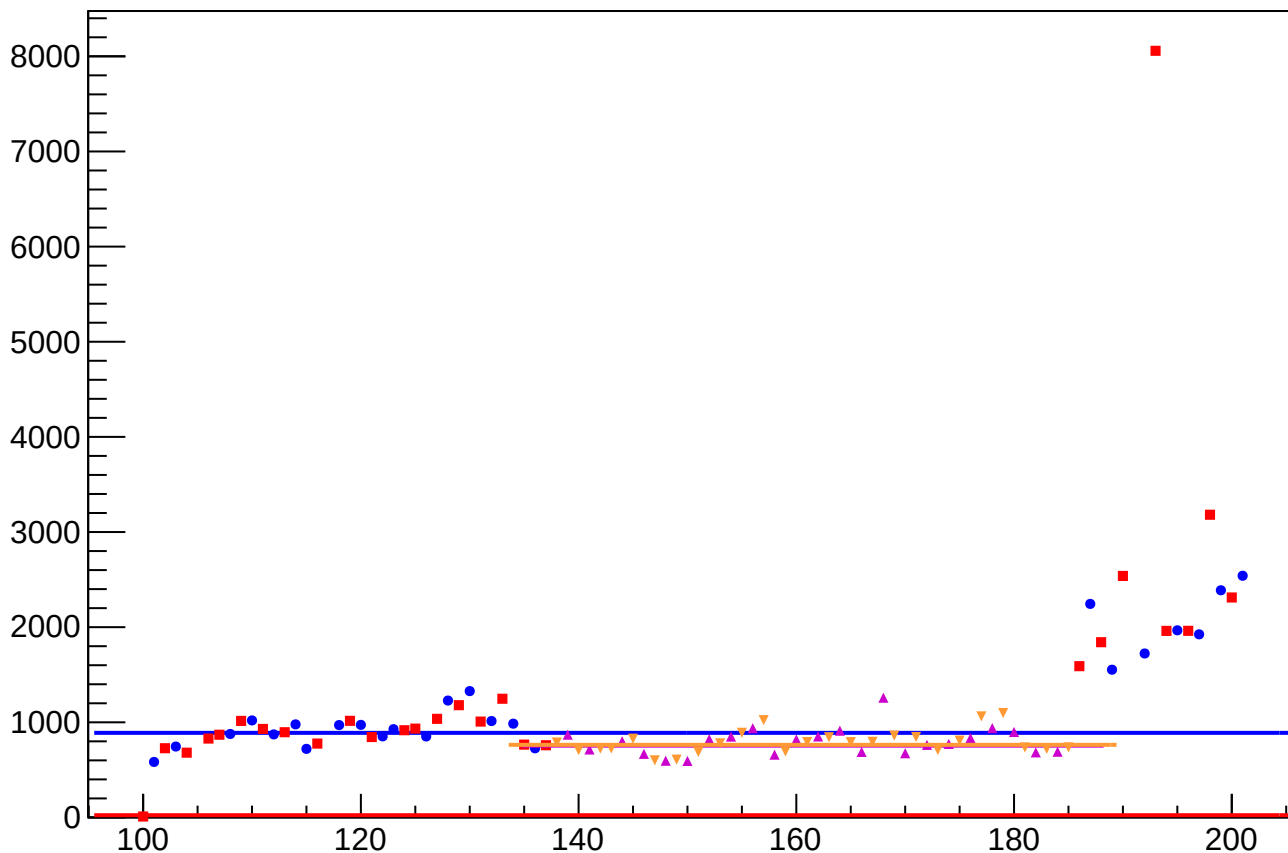
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 198.543 ± 156.943 χ^2/NDF : 48.6/48

All: 32.003 ± 37.013 χ^2/NDF : 93.7/98

- sign 22.195 ± 38.088 χ^2/NDF : 43.9/49

asym_right_dd_correction_rms vs Slug



Right In: 889.267 $\pm$ 0.225 χ^2 /NDF: 1993039.5/23

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

Right Out: 23.707 $\pm$ 0.028 χ^2 /NDF: 18818958.8/26

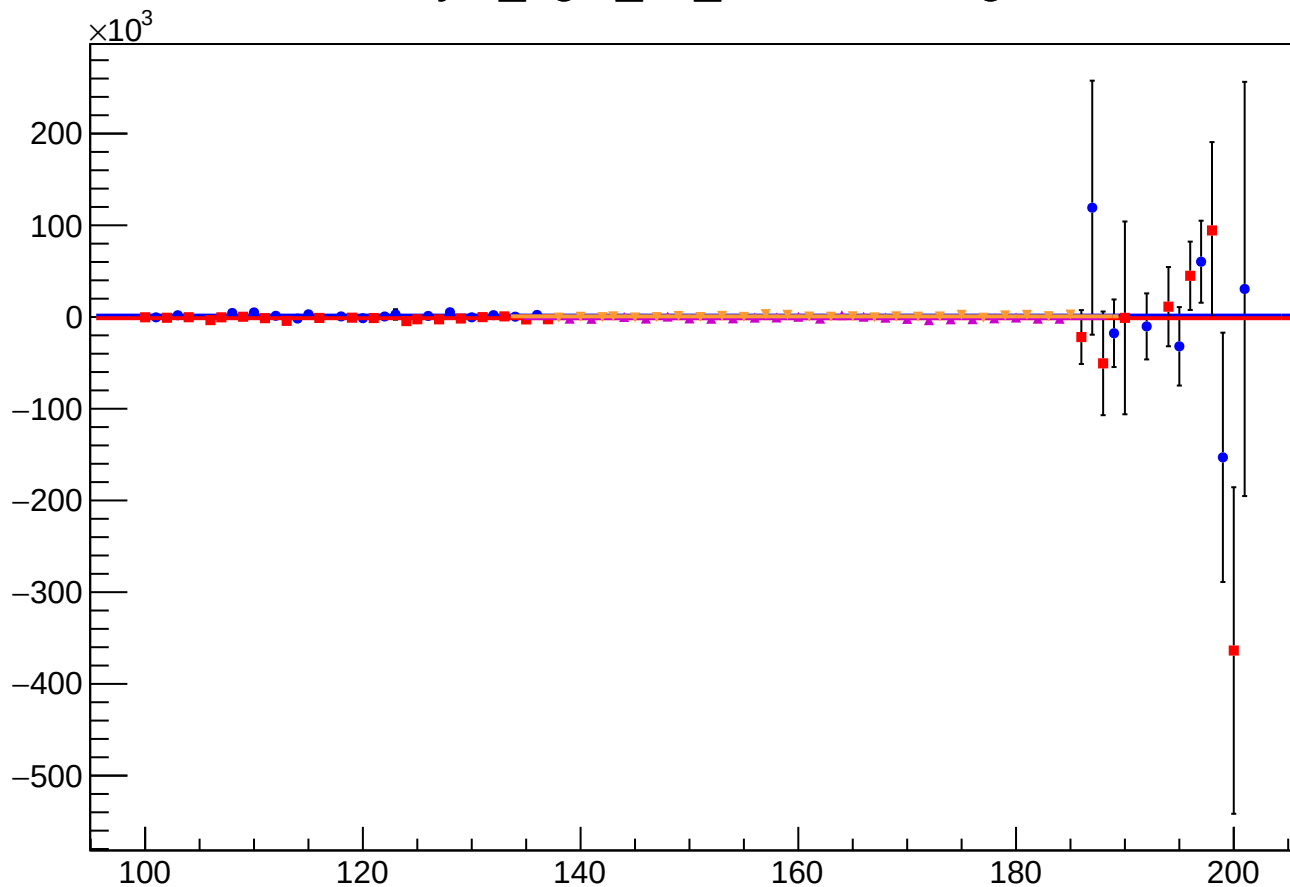
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 794.017 $\pm$ 0.111 χ^2 /NDF: 2984287.0/48

All: 96.292 $\pm$ 0.026 χ^2 /NDF: 94953420.6/98

- sign 55.199 $\pm$ 0.027 χ^2 /NDF: 50111978.1/49

asym_right_dd_mean vs Slug



Right In: 1517.249 ± 402.803 χ^2/NDF : 22.6/23

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

Right Out: -1287.569 ± 376.600 χ^2/NDF : 20.4/25

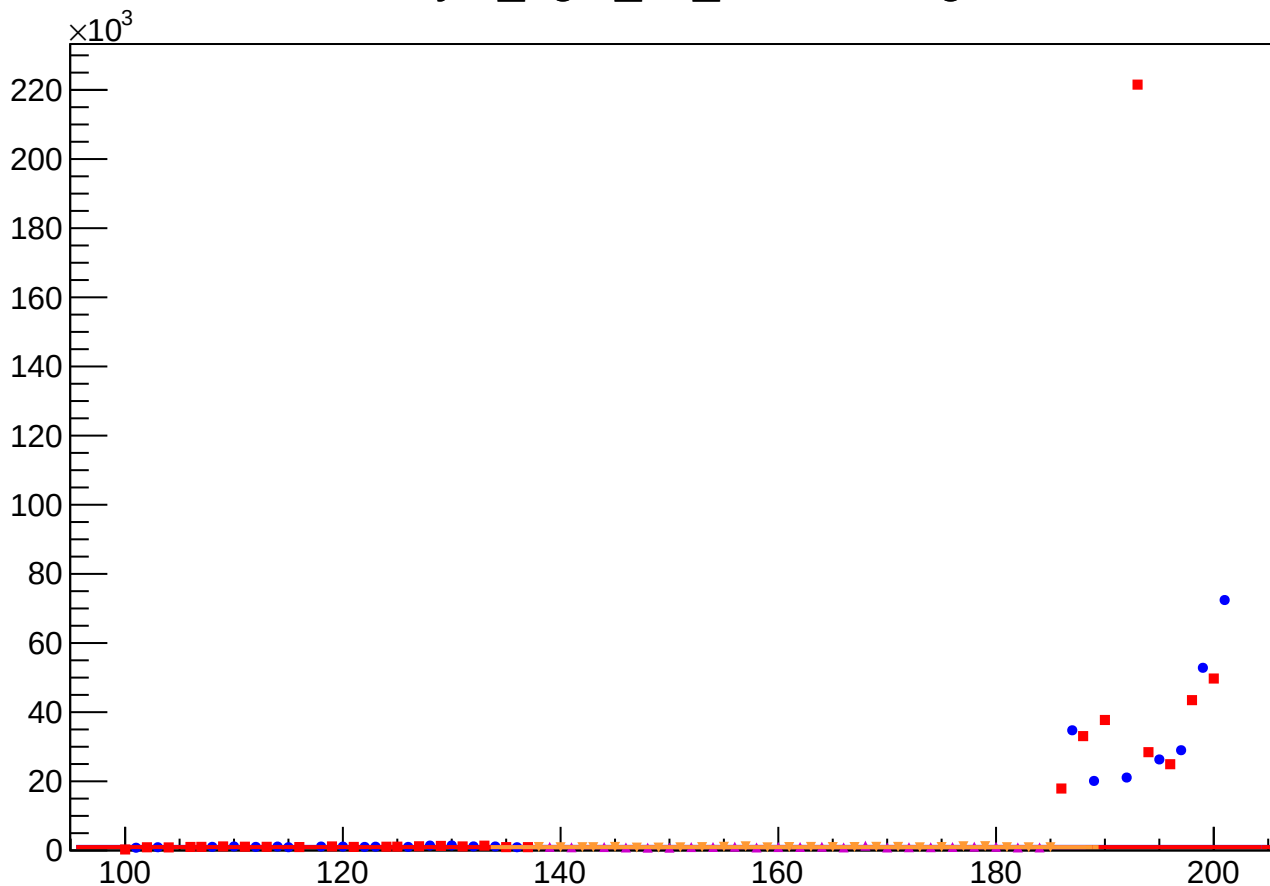
Left In: -1176.288 ± 230.229 χ^2/NDF : 24.2/22

+ sign 927.816 ± 196.869 χ^2/NDF : 45.6/48

All: -141.756 ± 139.052 χ^2/NDF : 149.2/97

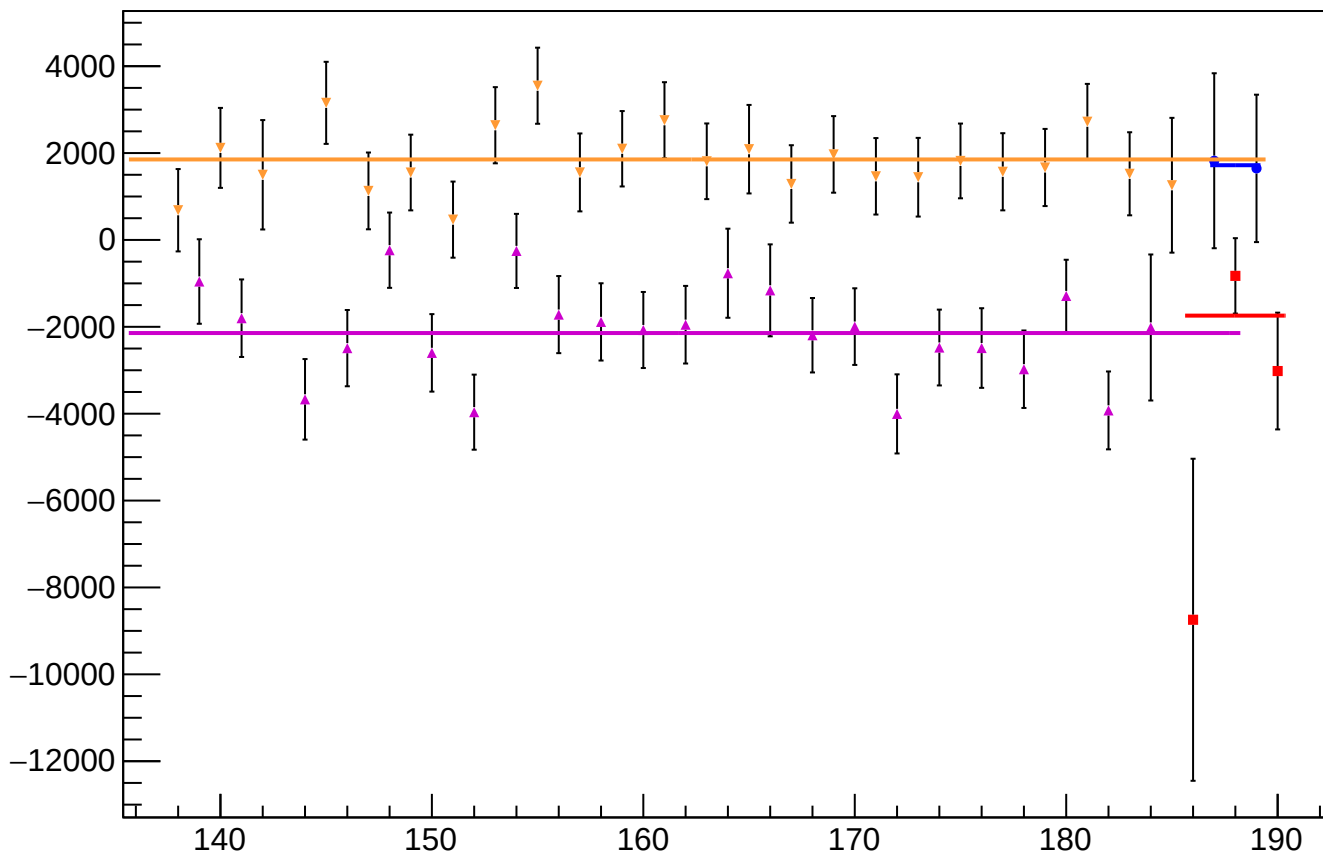
- sign -1206.562 ± 196.430 χ^2/NDF : 44.7/48

asym_right_dd_rms vs Slug



Right In: 1033.033+/-0.285	χ^2/NDF : 3688320.6/23	+ sign 979.559+/-0.139	χ^2/NDF : 4097468.8/48
Left Out: 962.776+/-0.160	χ^2/NDF : 362837.8/24	All: 970.021+/-0.098	χ^2/NDF : 9544386.5/98
Right Out: 974.428+/-0.266	χ^2/NDF : 4990737.8/26	- sign 960.526+/-0.139	χ^2/NDF : 5437550.1/49
Left In: 955.331+/-0.163	χ^2/NDF : 443068.5/22		

cor_asym_us_avg_mean vs Slug



Right In: 1720.097 ± 1297.686 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 1852.926 ± 187.412 $\chi^2/\text{NDF}: 15.0/23$

Right Out: -1742.386 ± 715.276 $\chi^2/\text{NDF}: 5.6/2$

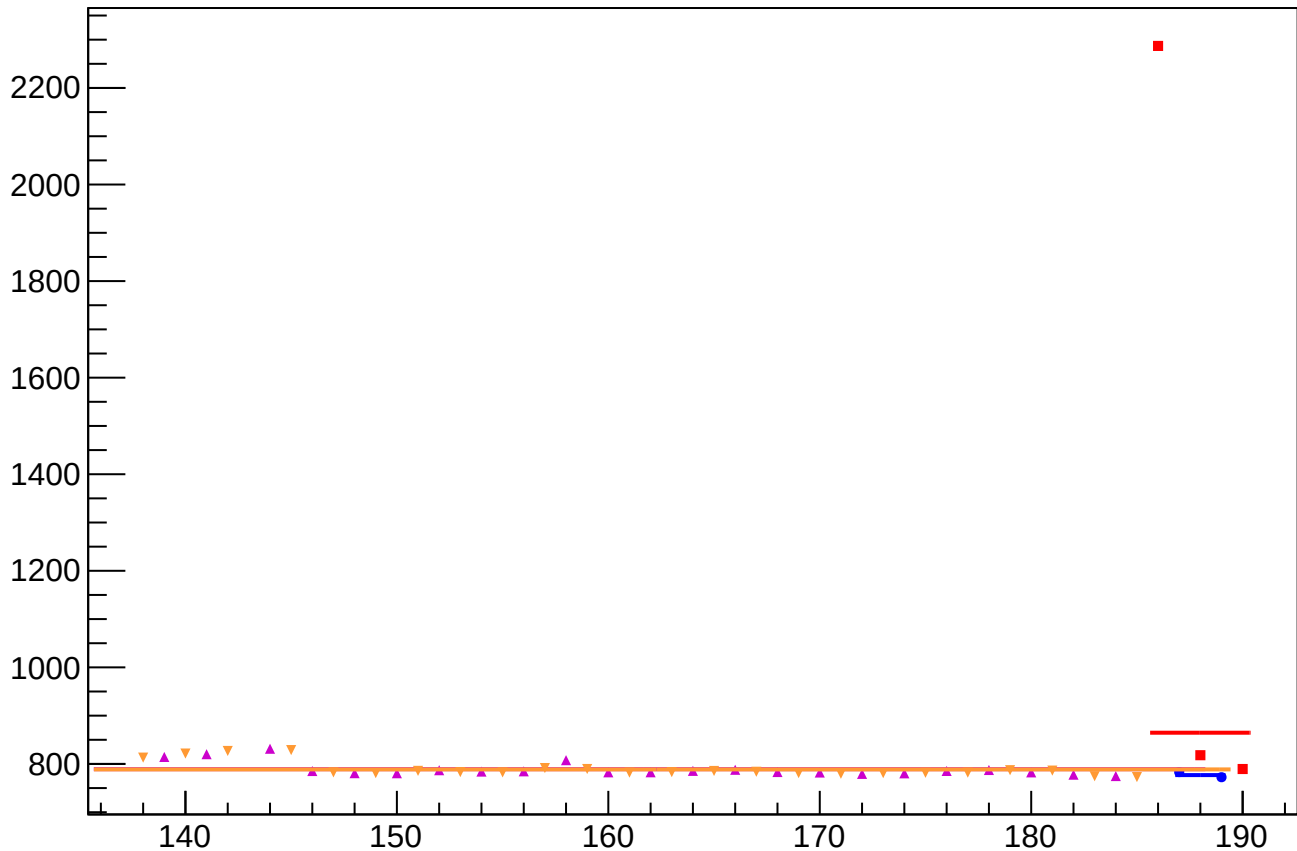
Left In: -2143.254 ± 190.144 $\chi^2/\text{NDF}: 32.4/22$

+ sign 1850.213 ± 185.488 $\chi^2/\text{NDF}: 15.0/25$

All: -151.835 ± 130.545 $\chi^2/\text{NDF}: 284.1/51$

- sign -2116.795 ± 183.762 $\chi^2/\text{NDF}: 38.2/25$

cor_asym_us_avg_rms vs Slug



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

Left Out: 788.658 ± 0.133 χ^2/NDF : 11499.7/23

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

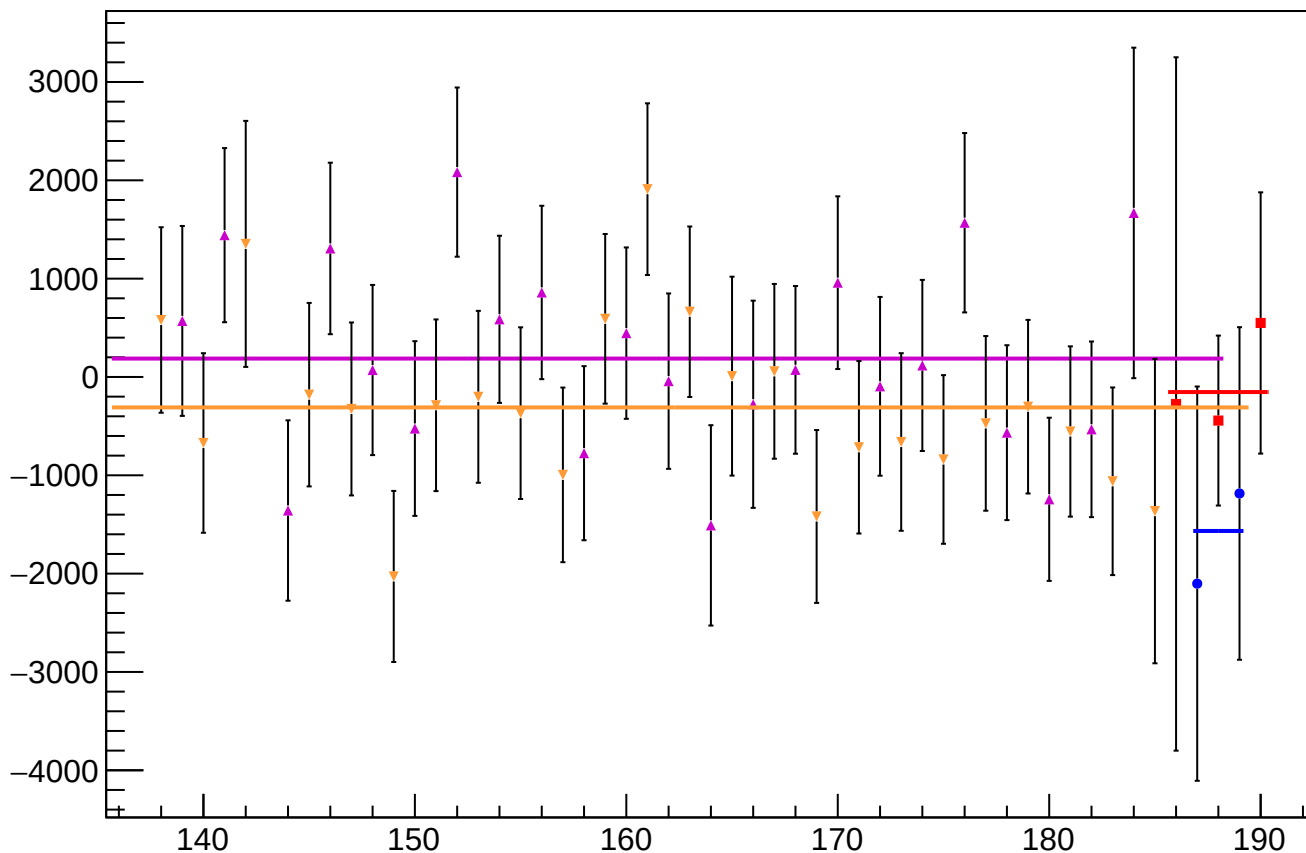
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

+ sign 788.418 ± 0.131 χ^2/NDF : 11693.3/25

All: 791.315 ± 0.092 χ^2/NDF : 350812.6/51

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

cor_asym_us_dd_mean vs Slug



Right In: -1566.105 ± 1292.689 $\chi^2/\text{NDF}: 0.1/1$

Left Out: -309.656 ± 186.542 $\chi^2/\text{NDF}: 20.0/23$

Right Out: -153.360 ± 709.634 $\chi^2/\text{NDF}: 0.4/2$

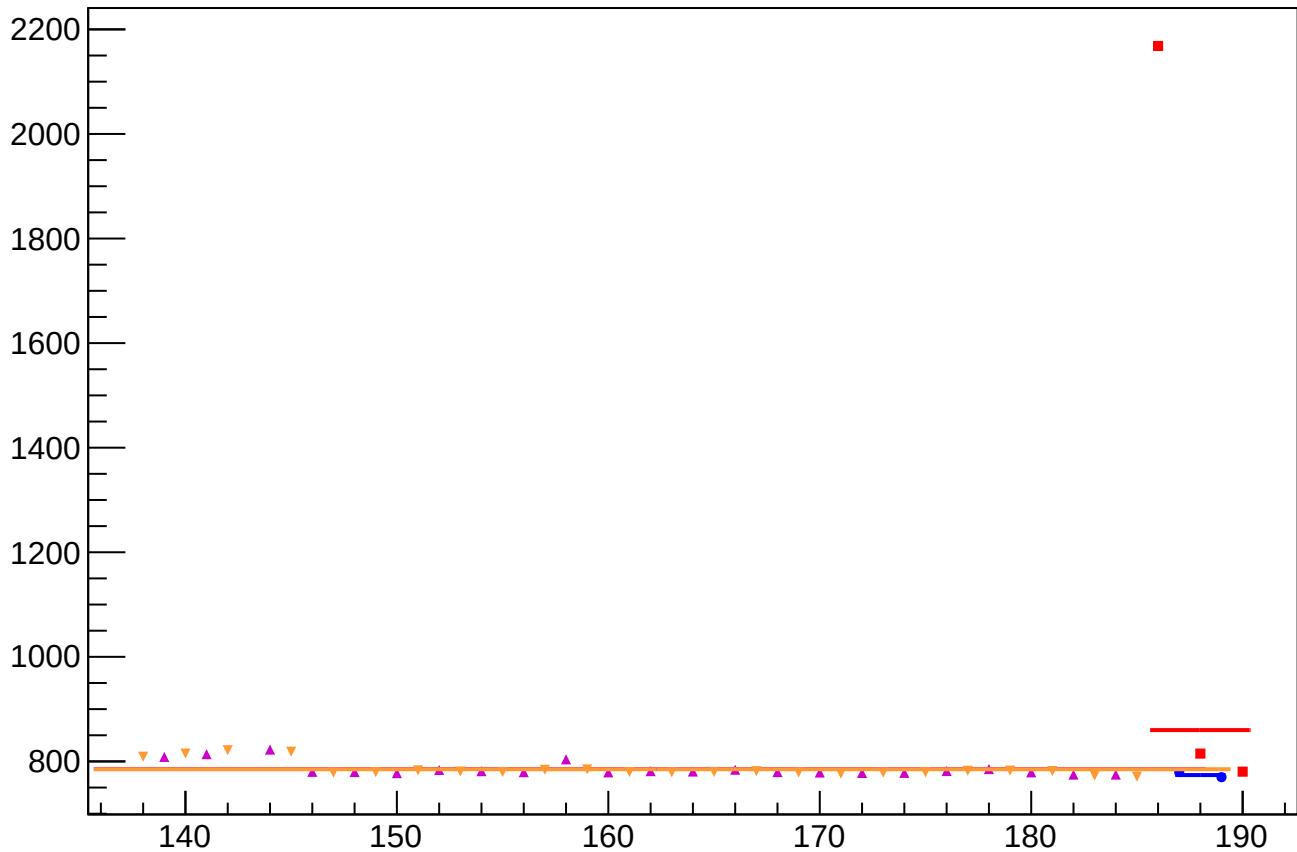
Left In: 187.105 ± 189.265 $\chi^2/\text{NDF}: 25.6/22$

+ sign -335.286 ± 184.630 $\chi^2/\text{NDF}: 21.0/25$

All: -83.007 ± 129.927 $\chi^2/\text{NDF}: 50.9/51$

- sign 164.494 ± 182.873 $\chi^2/\text{NDF}: 26.2/25$

cor_asym_us_dd_rms vs Slug



Right In: 773.922 ± 0.914 χ^2/NDF : 27.7/1

Left Out: 785.050 ± 0.132 χ^2/NDF : 9365.3/23

Right Out: 859.900 ± 0.502 χ^2/NDF : 287948.2/2

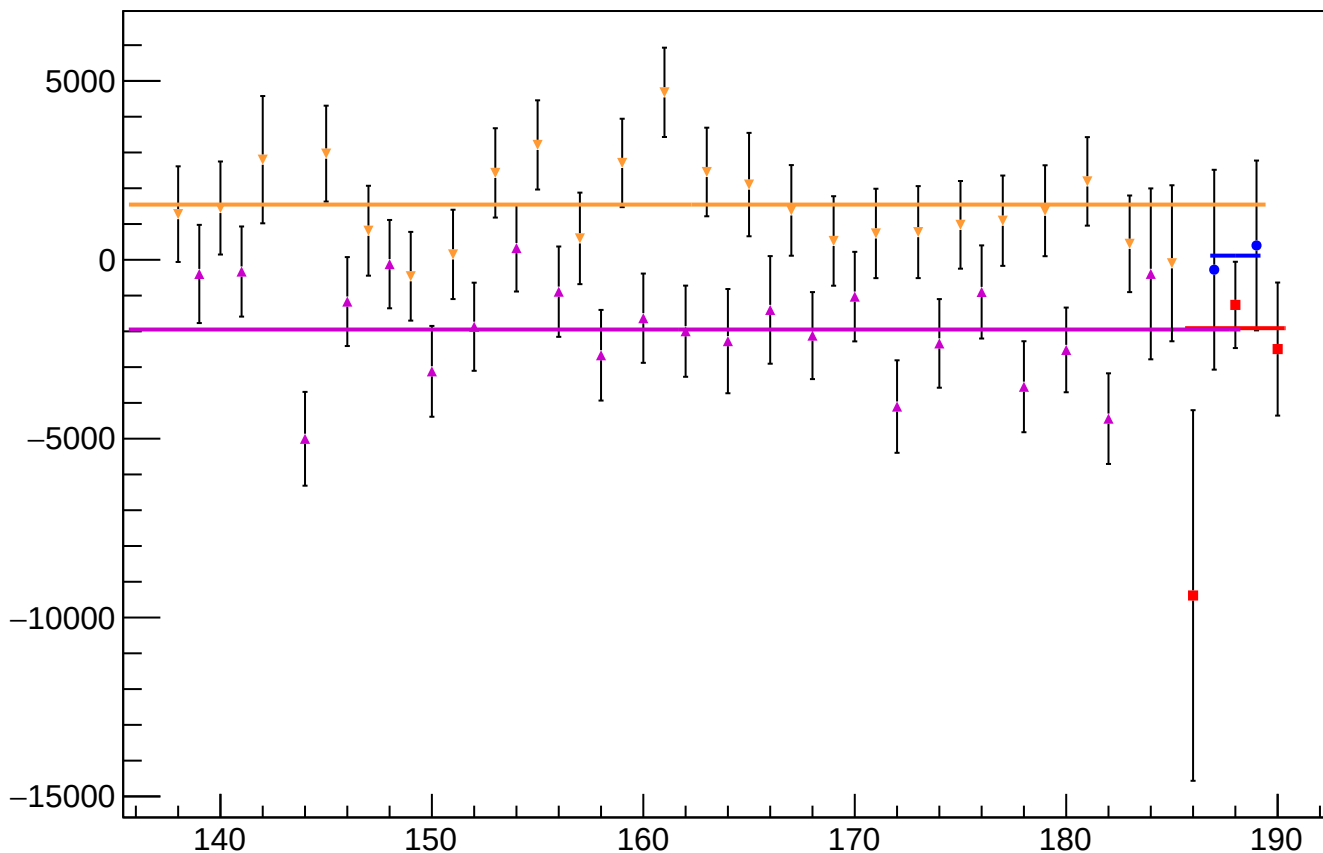
Left In: 785.562 ± 0.134 χ^2/NDF : 9033.0/22

+ sign 784.823 ± 0.131 χ^2/NDF : 9538.2/25

All: 787.688 ± 0.092 χ^2/NDF : 327963.5/51

- sign 790.499 ± 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: 1543.729 ± 266.278 χ^2/NDF : 19.9/23

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

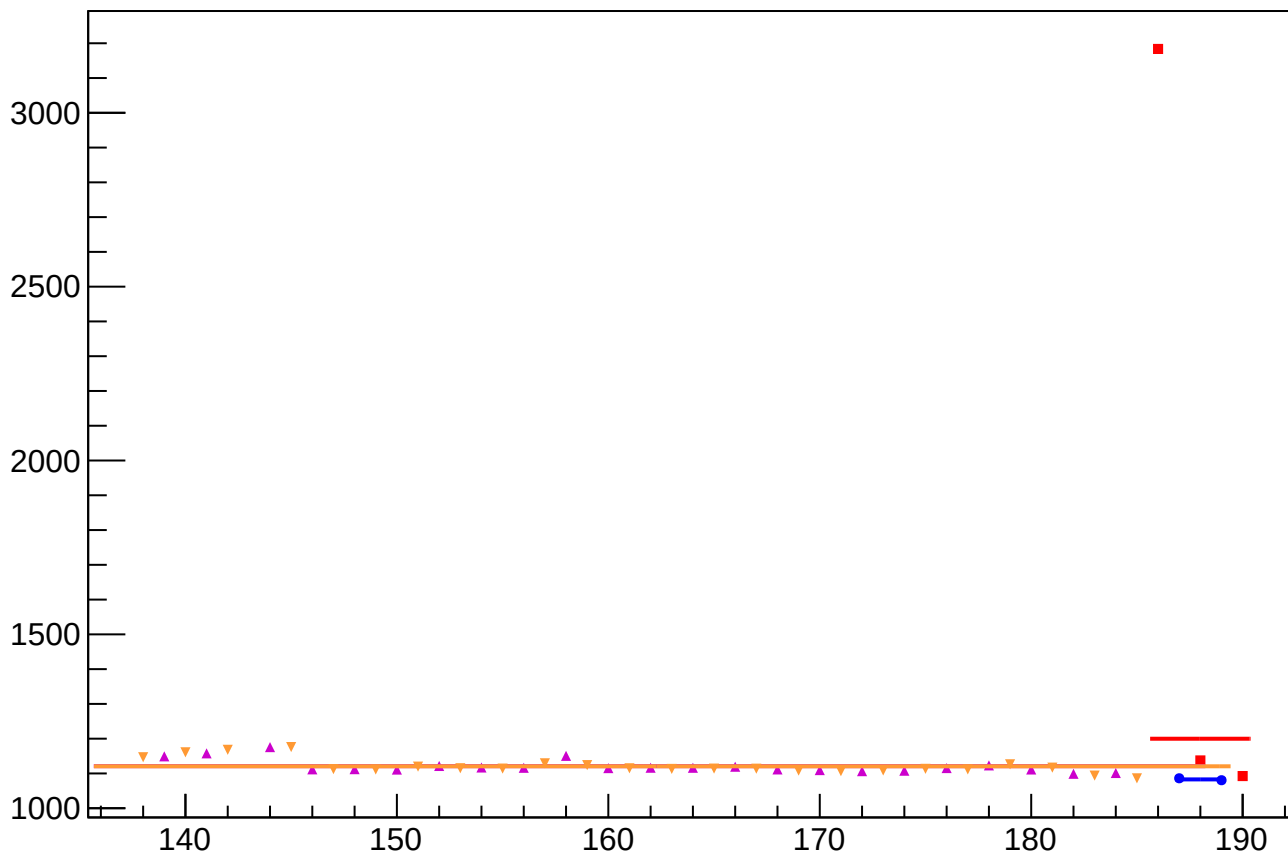
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ sign 1513.448 ± 263.439 χ^2/NDF : 20.6/25

All: -235.158 ± 185.274 χ^2/NDF : 137.0/51

- 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: 1120.578 $\pm$ 0.188 χ^2 /NDF: 10264.0/23

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

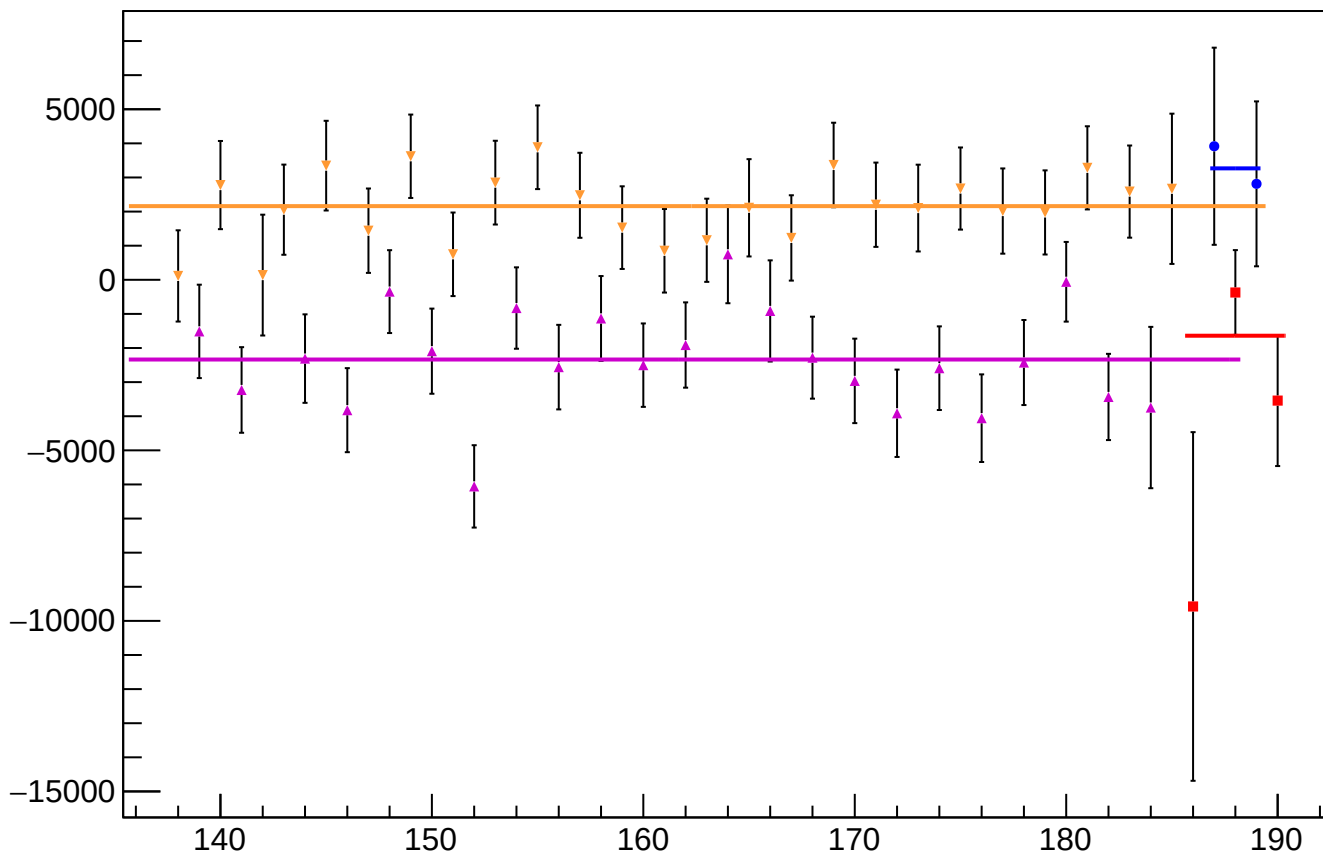
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

+ sign 1119.778 $\pm$ 0.186 χ^2 /NDF: 11119.7/25

All: 1123.129 $\pm$ 0.131 χ^2 /NDF: 338117.1/51

- 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

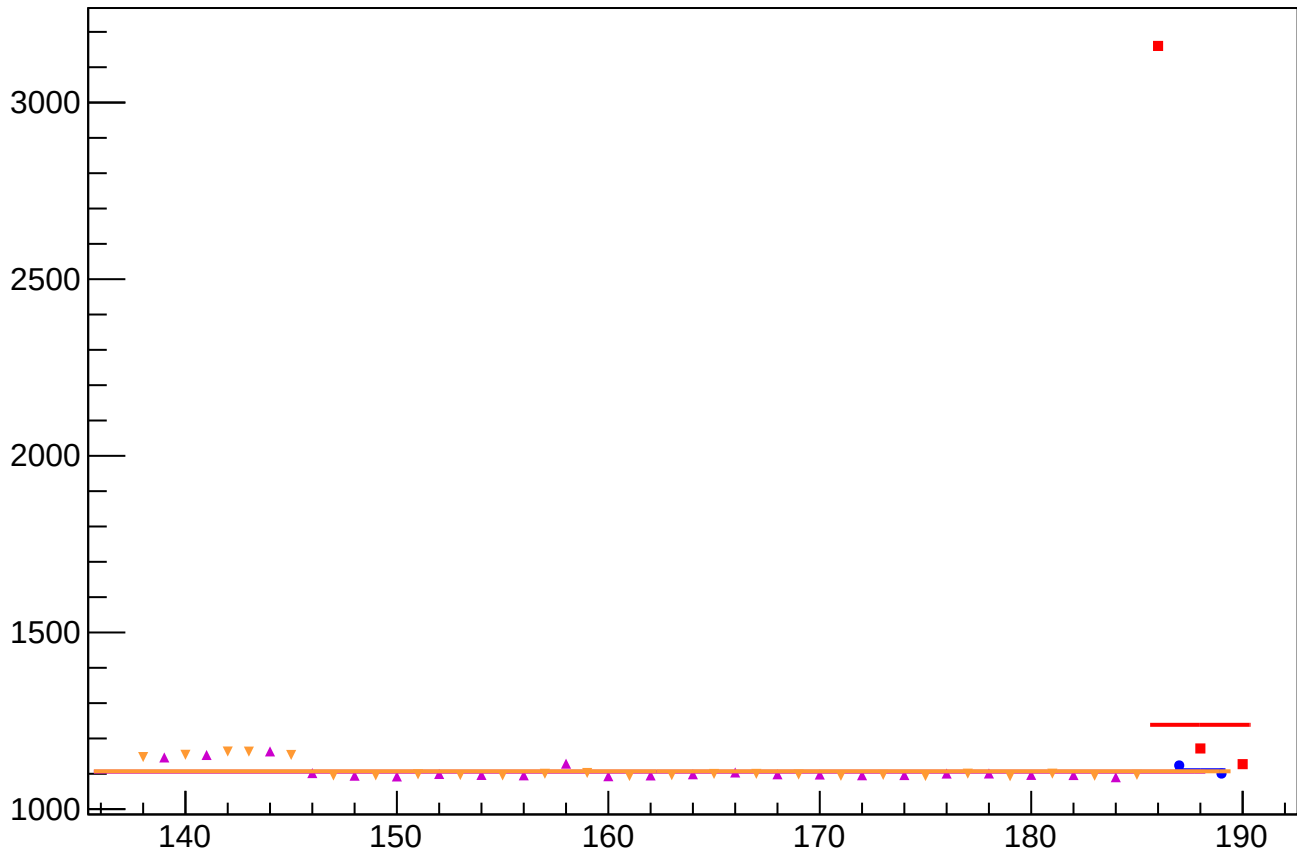
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

+ 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

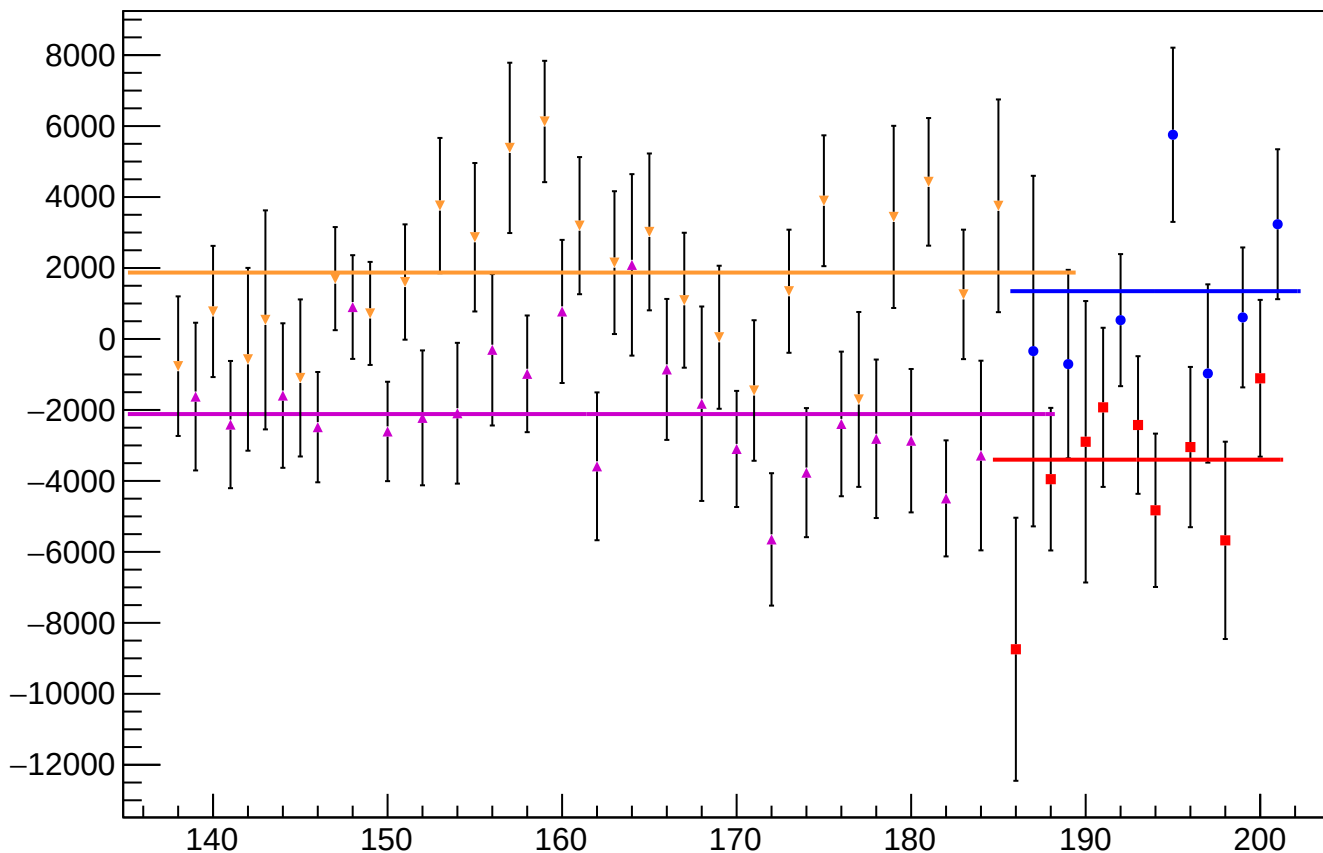
Left In: 1105.955+/-0.188 χ^2 /NDF: 11111.3/22

+ 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: 1347.464 $\pm$ 884.866 χ^2 /NDF: 5.9/6

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

Right Out: -3401.231 $\pm$ 792.243 χ^2 /NDF: 5.1/8

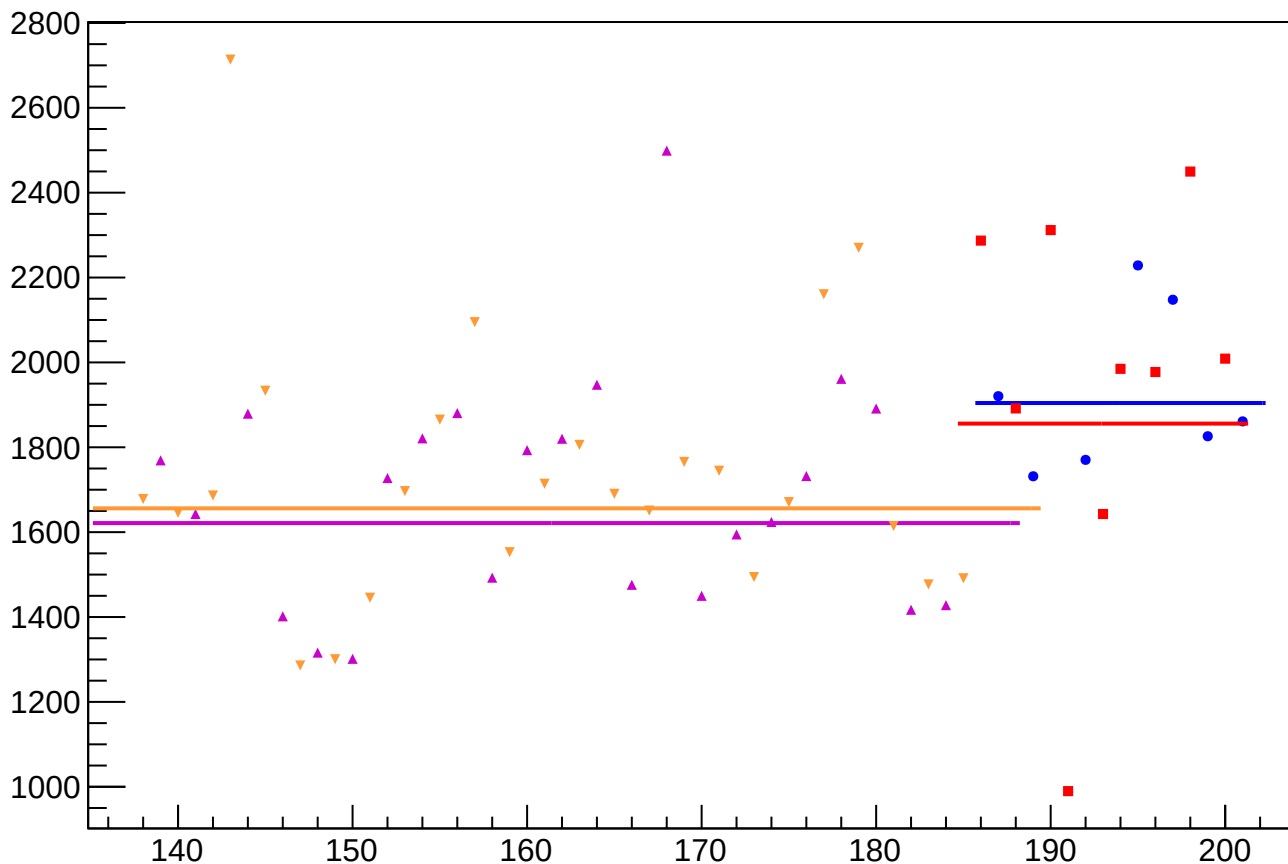
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1785.760 $\pm$ 358.163 χ^2 /NDF: 32.3/31

All: -327.775 $\pm$ 251.074 χ^2 /NDF: 126.8/63

- sign -2369.896 $\pm$ 352.060 χ^2 /NDF: 26.0/31

asym_us_agg_avg_rms vs Slug



Right In: 1904.340 $\pm$ 0.626 χ^2 /NDF: 76482.7/6

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

Right Out: 1855.790 $\pm$ 0.560 χ^2 /NDF: 490400.8/8

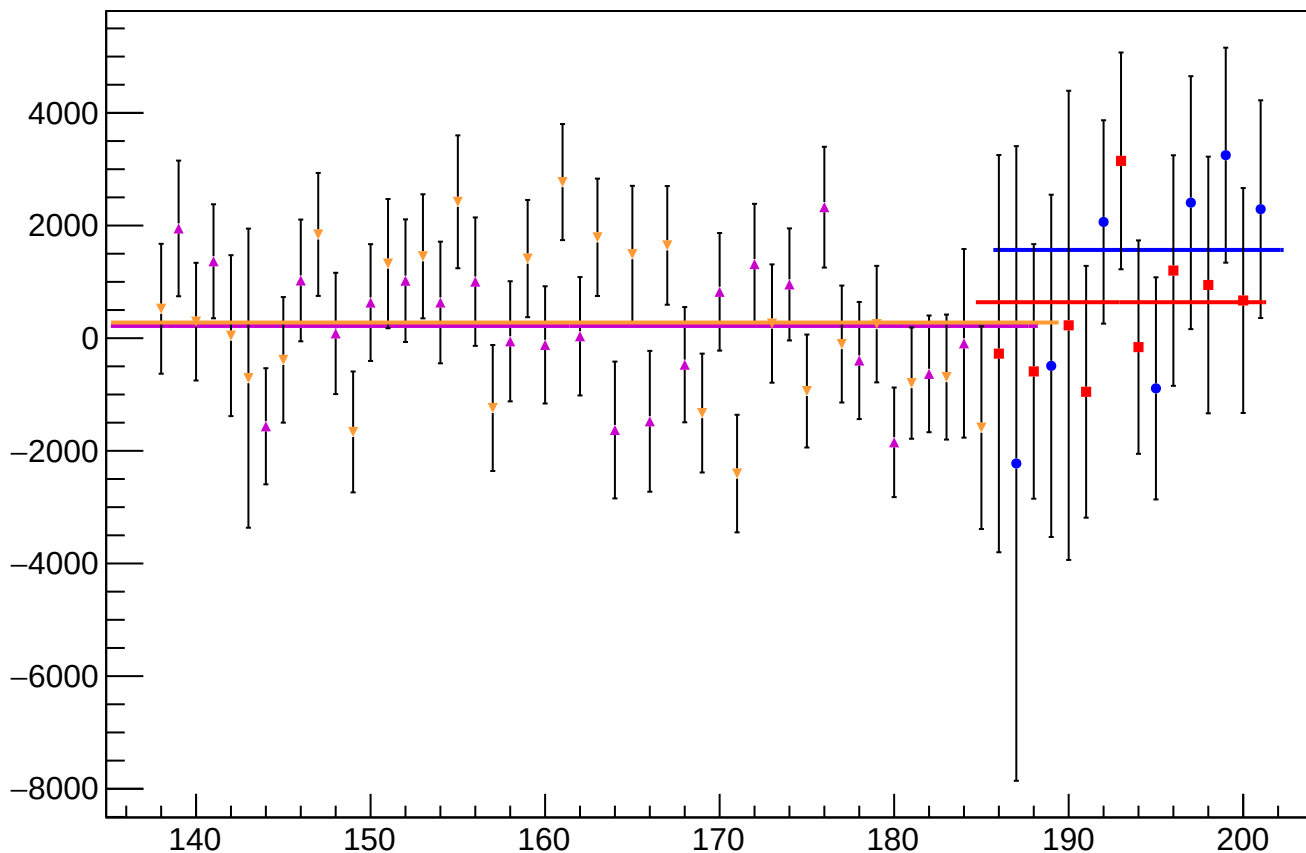
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1696.787 $\pm$ 0.253 χ^2 /NDF: 1118652.6/31

All: 1681.994 $\pm$ 0.178 χ^2 /NDF: 2531542.3/63

- sign 1667.700 $\pm$ 0.249 χ^2 /NDF: 1406181.4/31

asym_us_agg_dd_mean vs Slug



Right In: 1566.950 $\pm$ 832.111 χ^2 /NDF: 3.6/6

Left Out: 278.090 $\pm$ 223.581 χ^2 /NDF:38.4/24

Right Out: 638.713 $\pm$ 752.764 χ^2 /NDF: 2.8/8

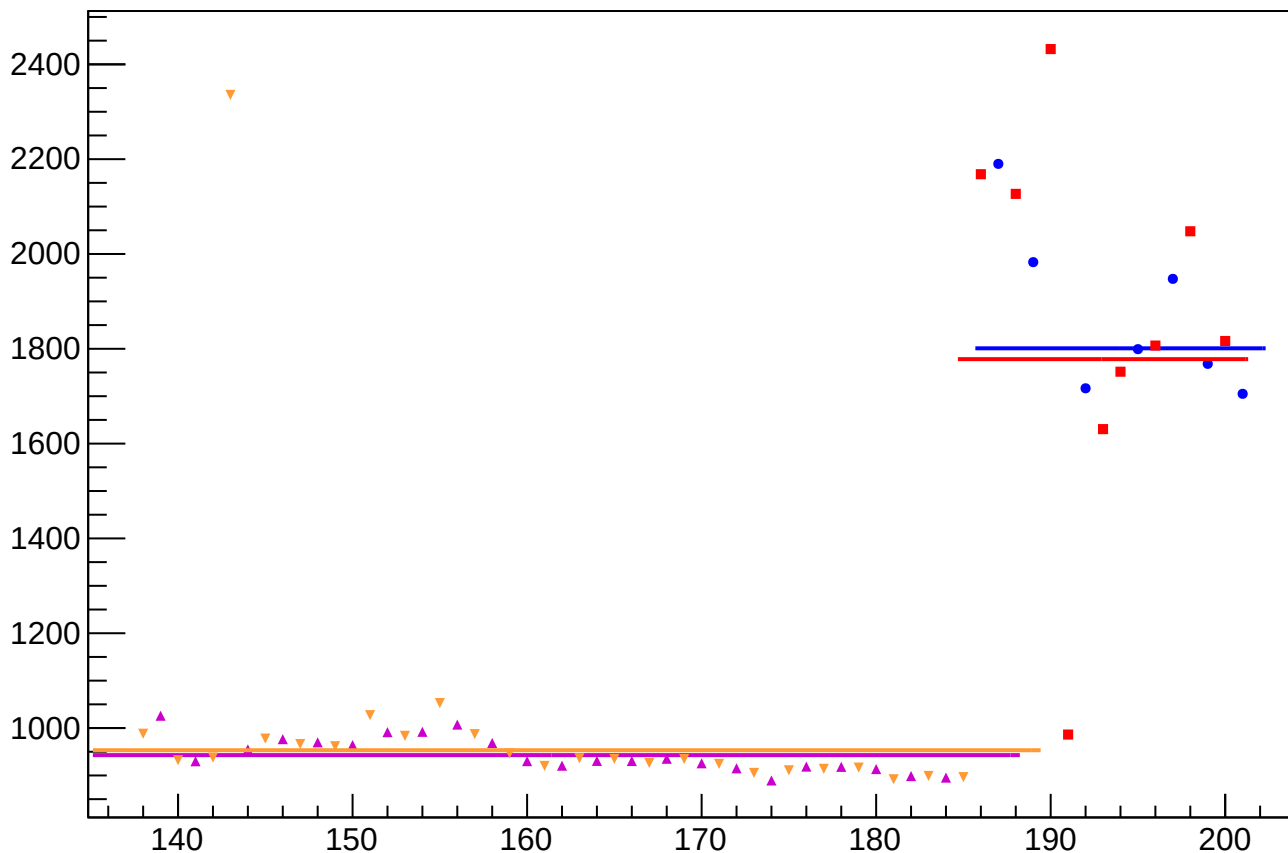
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 364.874 $\pm$ 215.922 χ^2 /NDF: 44.2/31

All: 307.959 $\pm$ 152.744 χ^2 /NDF: 71.9/63

- sign 250.949 $\pm$ 216.104 χ^2 /NDF: 27.6/31

asym_us_agg_dd_rms vs Slug



Right In: 1801.006 ± 0.588 χ^2/NDF : 35093.7/6

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

Right Out: 1778.187 ± 0.532 χ^2/NDF : 413740.1/8

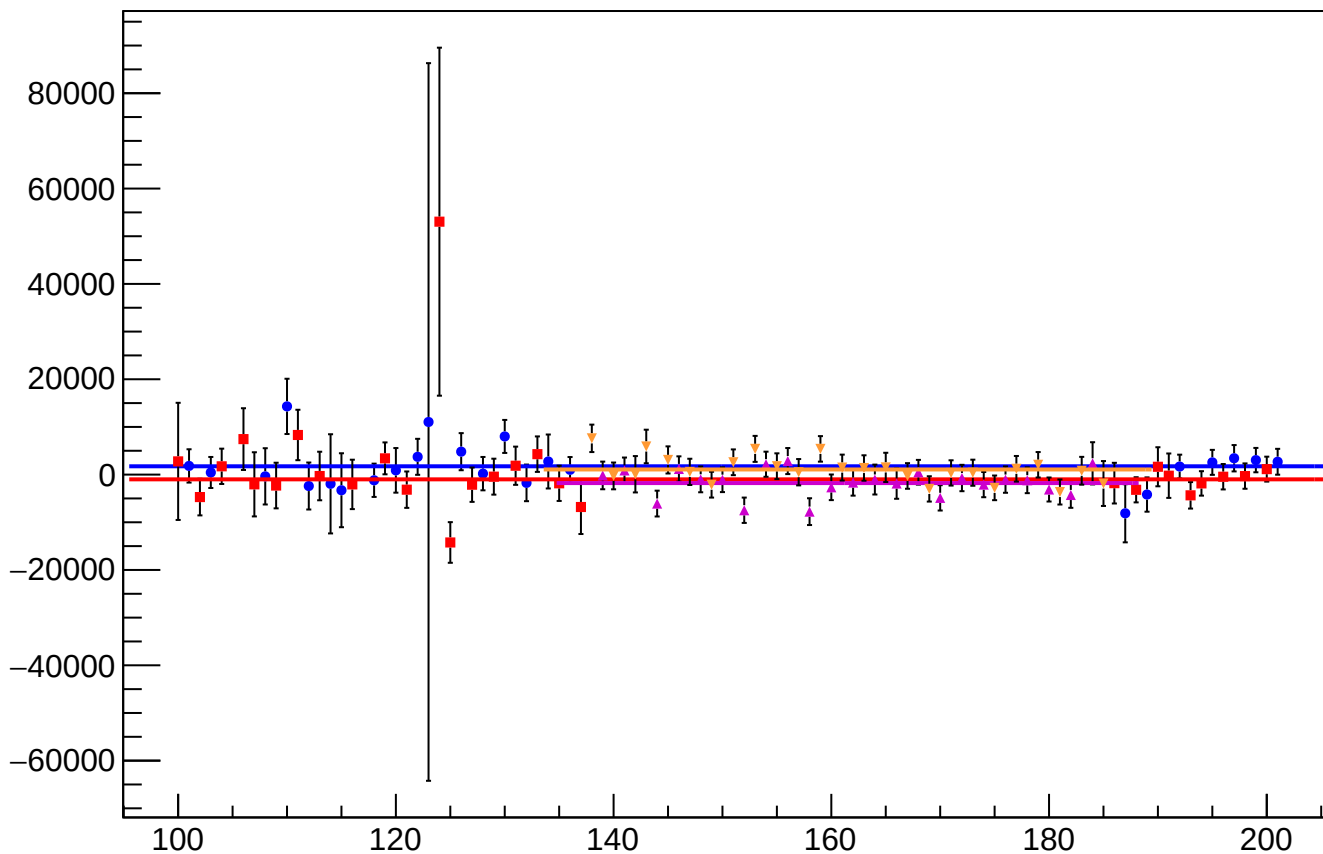
Left In: 942.927 ± 0.160 χ^2/NDF : 48402.9/22

+ sign 1010.305 ± 0.153 χ^2/NDF : 2577632.2/31

All: 1011.035 ± 0.108 χ^2/NDF : 5299269.0/63

- sign 1011.765 ± 0.153 χ^2/NDF : 2721591.1/31

reg_asym_atl1_mean vs Slug



Right In: 1743.985 $\pm$ 745.307 χ^2 /NDF: 18.5/23

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

Right Out: -994.959 $\pm$ 713.732 χ^2 /NDF: 27.7/27

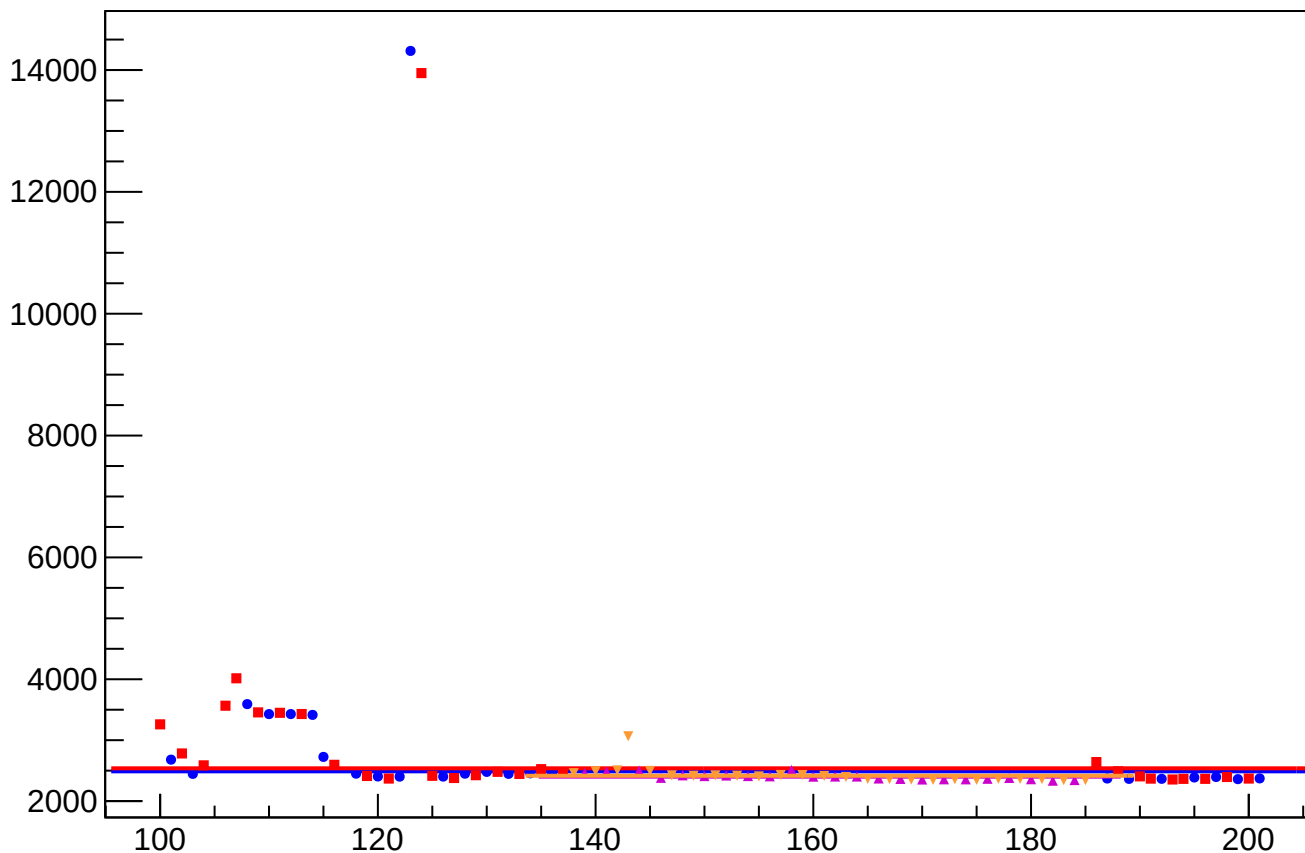
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1320.542 $\pm$ 449.744 χ^2 /NDF: 42.6/48

All: -78.897 $\pm$ 317.467 χ^2 /NDF: 114.3/99

- sign -1468.681 $\pm$ 448.191 χ^2 /NDF: 52.5/50

reg_asym_atl1_rms vs Slug



Right In: 2488.661 $\pm$ 0.527 χ^2 /NDF: 294218.5/23

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

Right Out: 2538.266 $\pm$ 0.505 χ^2 /NDF: 615107.8/27

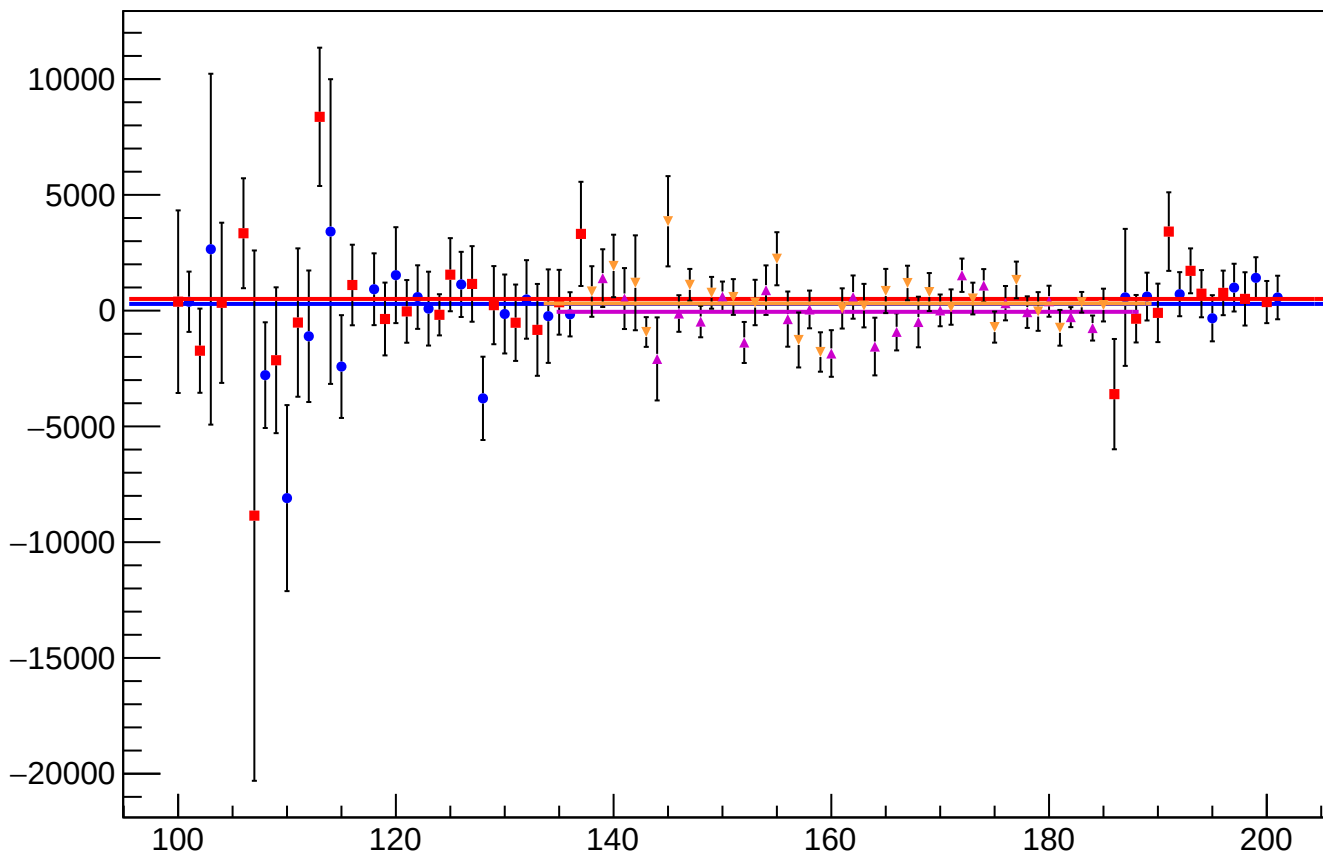
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

+ sign 2442.471 $\pm$ 0.318 χ^2 /NDF: 388935.4/48

All: 2448.949 $\pm$ 0.224 χ^2 /NDF: 1063147.8/99

- sign 2455.383 $\pm$ 0.317 χ^2 /NDF: 673385.2/50

asym_atl1_correction_mean vs Slug



Right In: 289.543 $\pm$ 287.165 χ^2 /NDF: 17.5/23

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

Right Out: 504.844 $\pm$ 276.123 χ^2 /NDF: 24.1/27

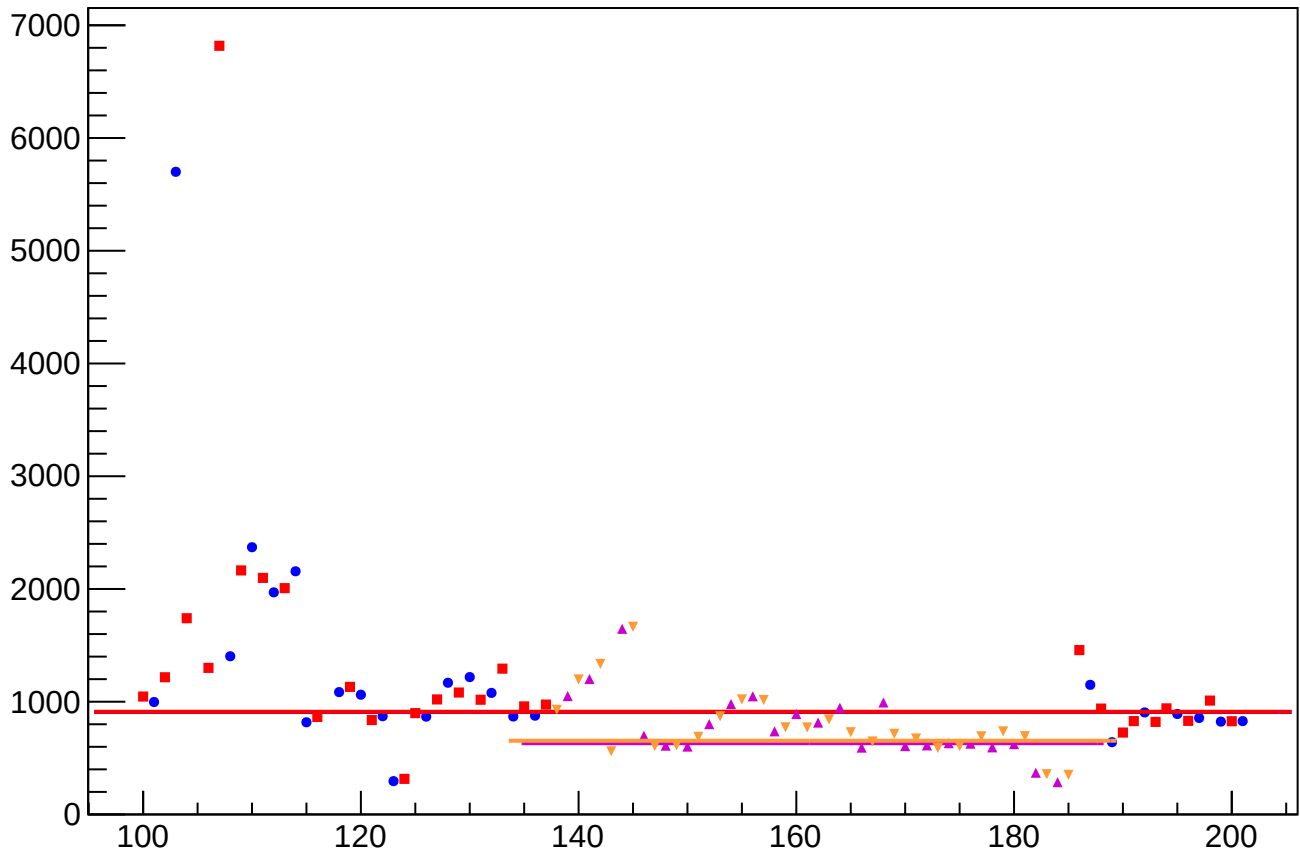
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF: 23.8/22

+ sign 305.788 $\pm$ 140.202 χ^2 /NDF: 47.3/48

All: 197.734 $\pm$ 98.911 χ^2 /NDF: 99.4/99

- sign 90.662 $\pm$ 139.563 χ^2 /NDF: 51.0/50

asym_atl1_correction_rms vs Slug



Right In: 908.464 $\pm$ 0.203 χ^2 /NDF: 2175089.1/23

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

Right Out: 910.795 $\pm$ 0.195 χ^2 /NDF: 2899328.3/27

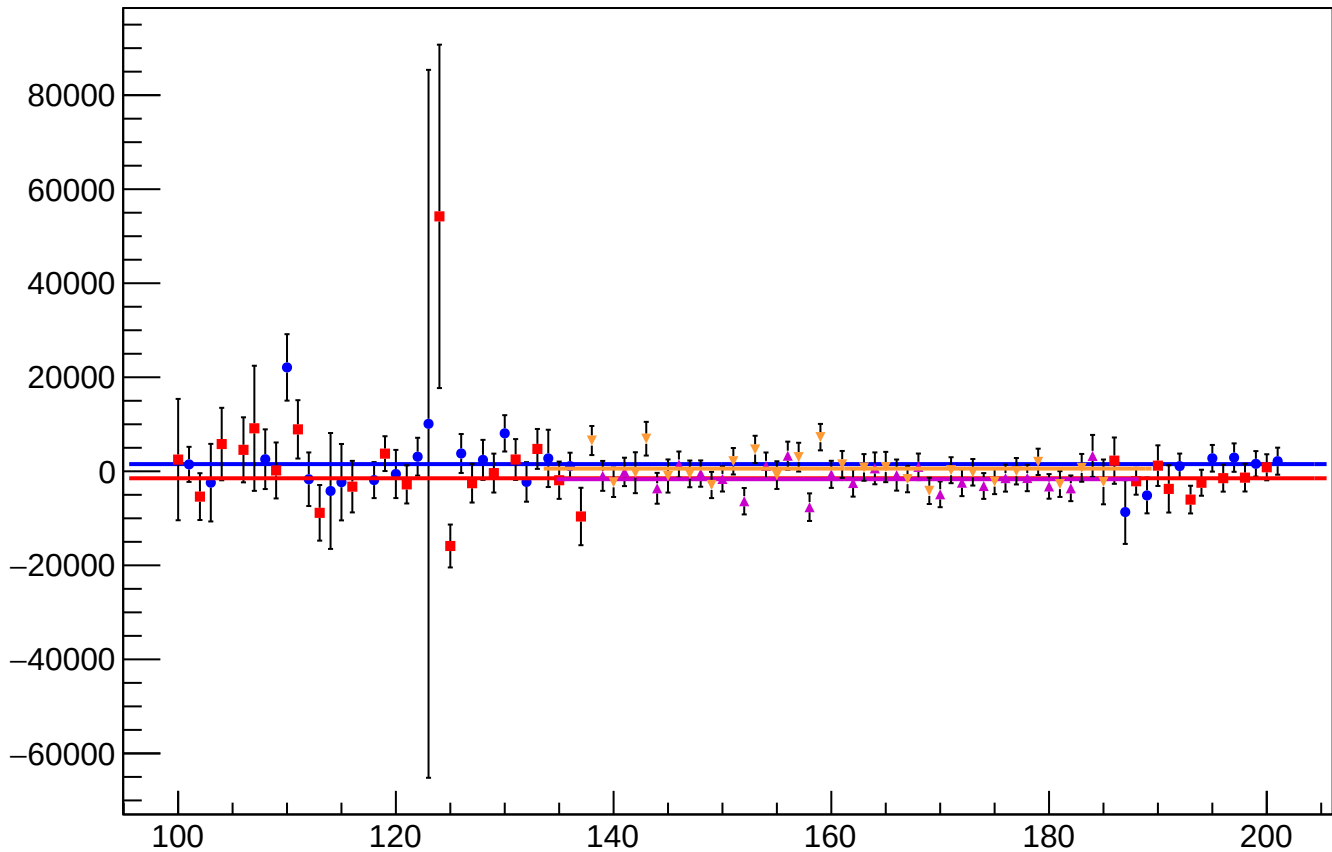
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 714.506 $\pm$ 0.099 χ^2 /NDF: 6627739.3/48

All: 708.858 $\pm$ 0.070 χ^2 /NDF: 14993824.8/99

- sign 703.262 $\pm$ 0.099 χ^2 /NDF: 8359625.1/50

asym_atl1_mean vs Slug



Right In: 1532.189 $\pm$ 827.459 χ^2 /NDF: 20.5/23

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

Right Out: -1482.049 $\pm$ 796.915 χ^2 /NDF: 31.3/27

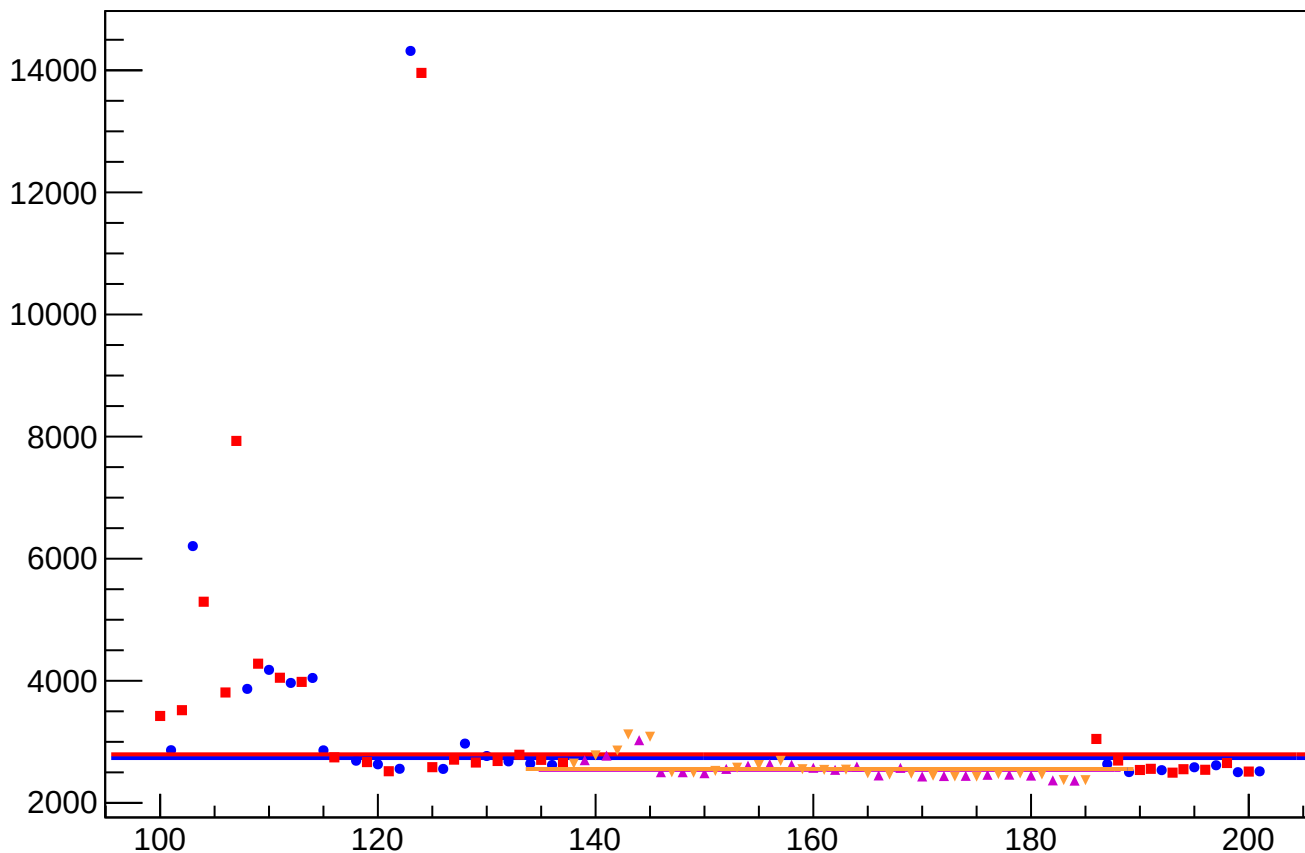
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 906.675 $\pm$ 484.237 χ^2 /NDF: 46.7/48

All: -349.427 $\pm$ 342.479 χ^2 /NDF: 109.7/99

- sign -1606.581 $\pm$ 484.439 χ^2 /NDF: 49.5/50

asym_atl1_rms vs Slug



Right In: 2734.698 ± 0.585 $\chi^2/NDF: 739879.7/23$

Left Out: 2555.279 ± 0.422 $\chi^2/NDF: 154743.6/24$

Right Out: 2795.482 ± 0.564 $\chi^2/NDF: 1190673.1/27$

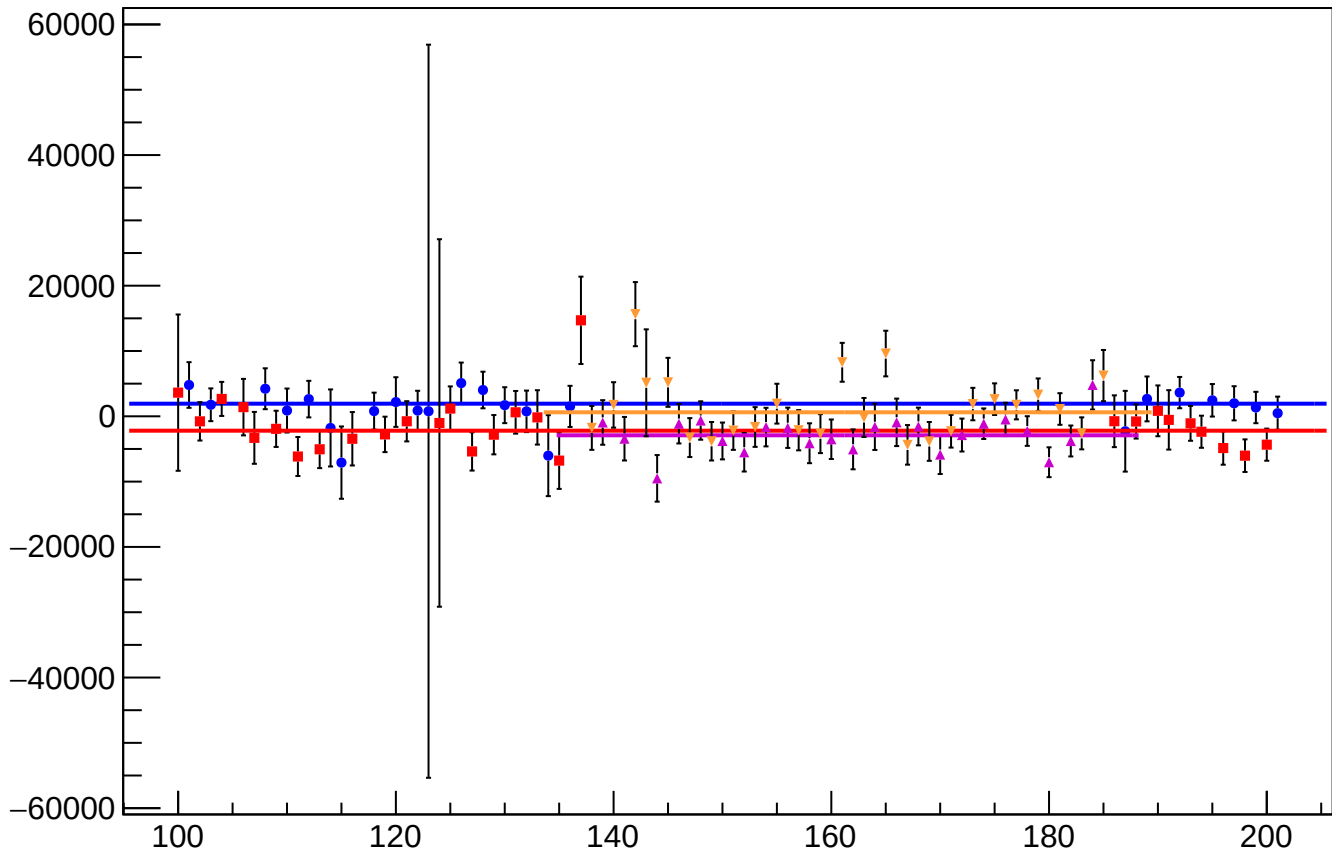
Left In: 2540.988 ± 0.431 $\chi^2/NDF: 94756.7/22$

+ sign 2616.725 ± 0.342 $\chi^2/NDF: 956451.8/48$

All: 2625.875 ± 0.242 $\chi^2/NDF: 2371905.4/99$

- sign 2635.032 ± 0.343 $\chi^2/NDF: 1414024.8/50$

reg_asym_atl2_mean vs Slug



Right In: 1931.868 ± 641.253 χ^2/NDF : 9.5/23

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

Right Out: -2202.262 ± 608.290 χ^2/NDF : 24.1/27

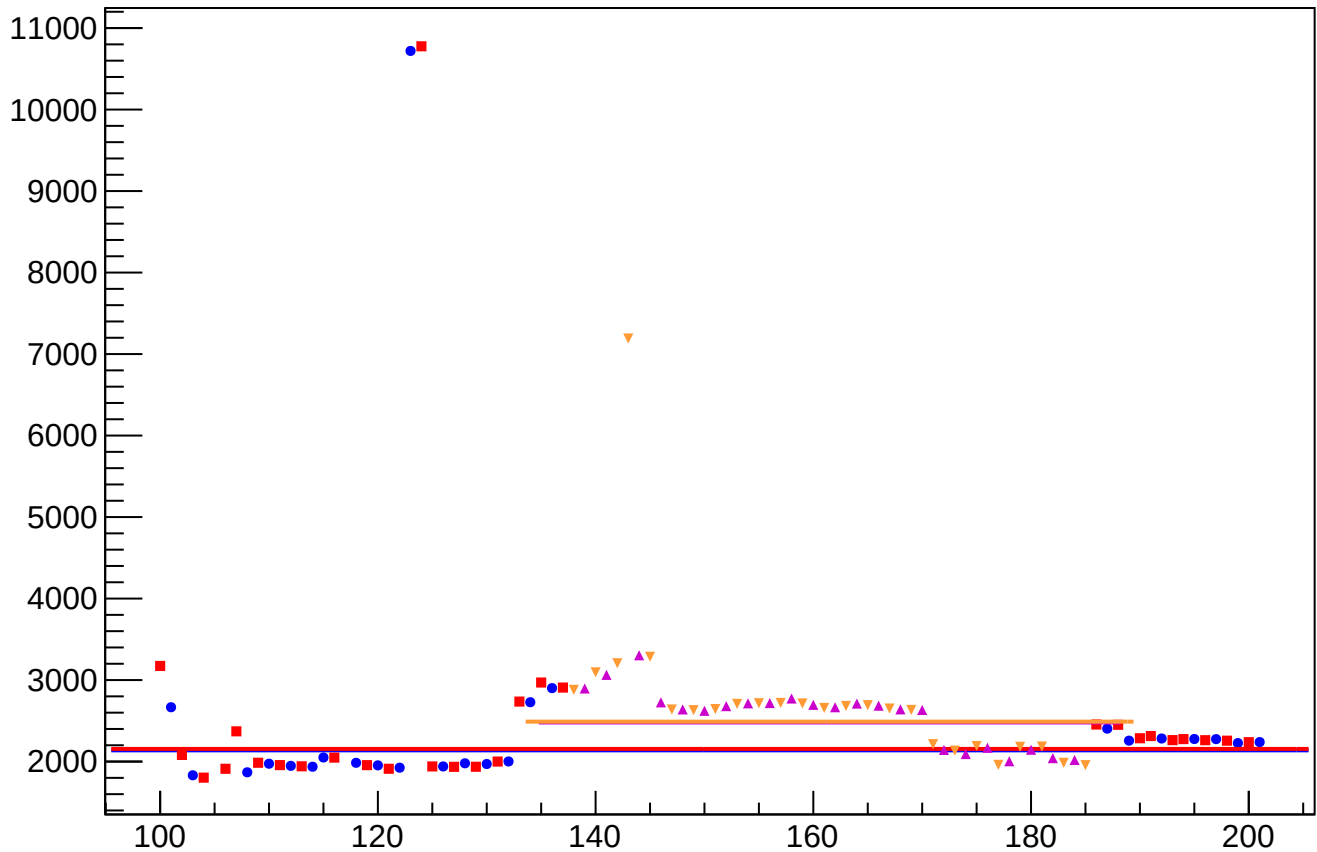
Left In: -2909.108 ± 599.673 χ^2/NDF : 17.4/22

+ sign 1219.911 ± 434.640 χ^2/NDF : 57.0/48

All: -703.720 ± 304.617 χ^2/NDF : 137.6/99

- sign -2560.727 ± 427.047 χ^2/NDF : 42.1/50

reg_asym_atl2_rms vs Slug



Right In: 2137.611+/-0.453 χ^2/NDF : 366682.1/23

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

Right Out: 2155.180+/-0.430 χ^2/NDF : 532675.0/27

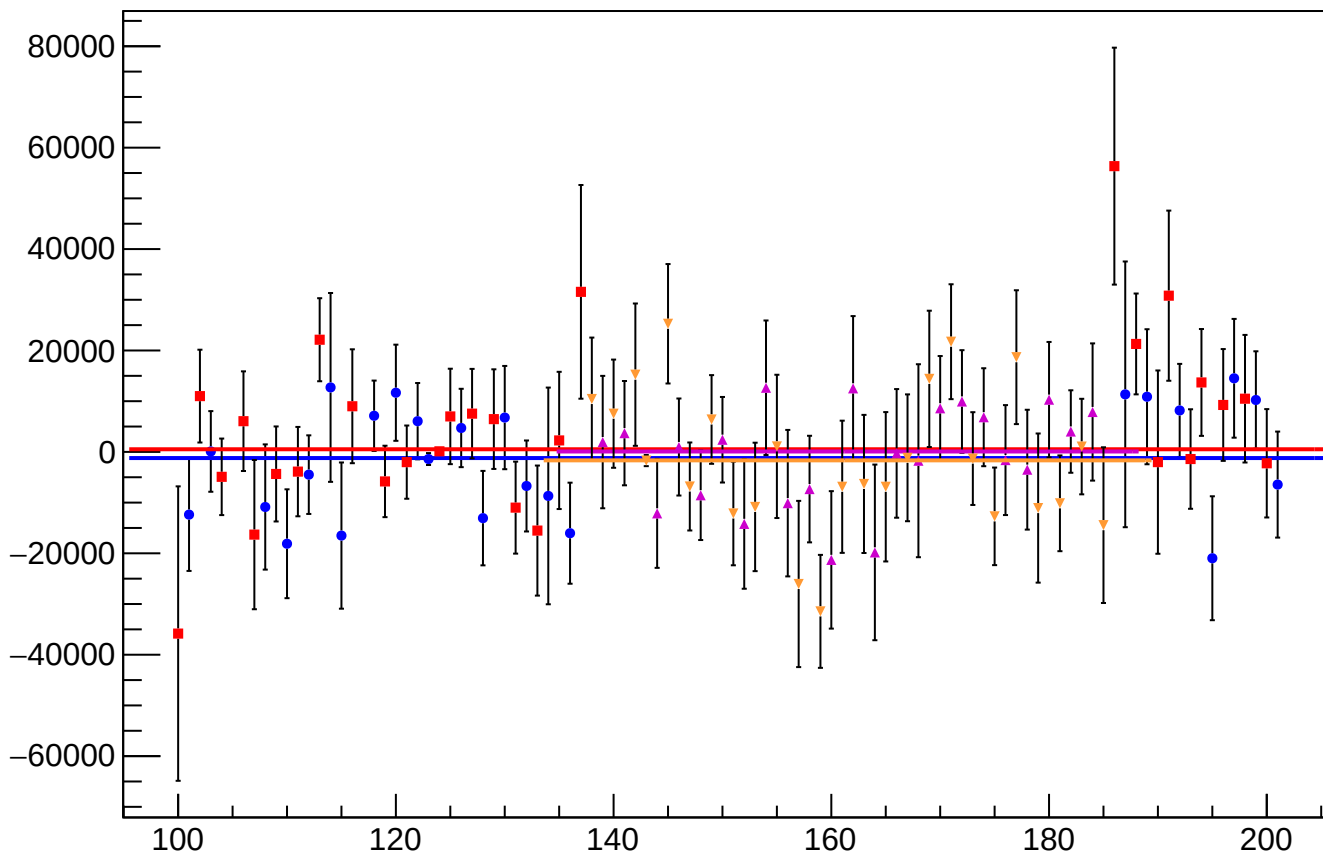
Left In: 2479.348+/-0.424 χ^2/NDF : 668398.2/22

+ sign 2327.880+/-0.307 χ^2/NDF : 2056602.1/48

All: 2323.655+/-0.215 χ^2/NDF : 3546099.6/99

- sign 2319.576+/-0.302 χ^2/NDF : 1489126.0/50

asym_atl2_correction_mean vs Slug



Right In: -1214.734 $\pm$ 1024.917 χ^2 /NDF: 24.0/23

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

Right Out: 520.449 $\pm$ 685.264 χ^2 /NDF: 37.4/27

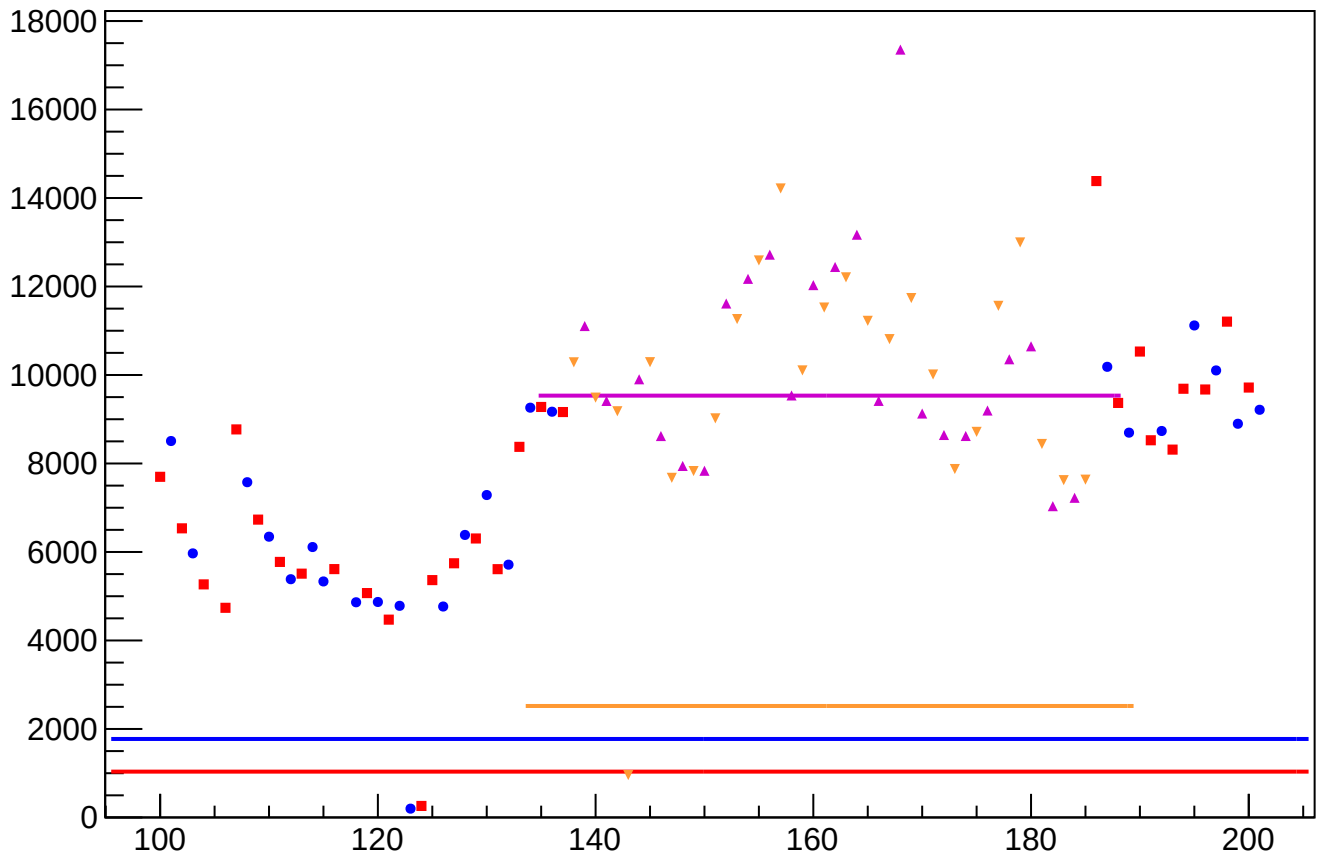
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1447.188 $\pm$ 713.196 χ^2 /NDF: 56.5/48

All: -402.405 $\pm$ 483.397 χ^2 /NDF: 111.7/99

- sign 485.449 $\pm$ 657.455 χ^2 /NDF: 51.3/50

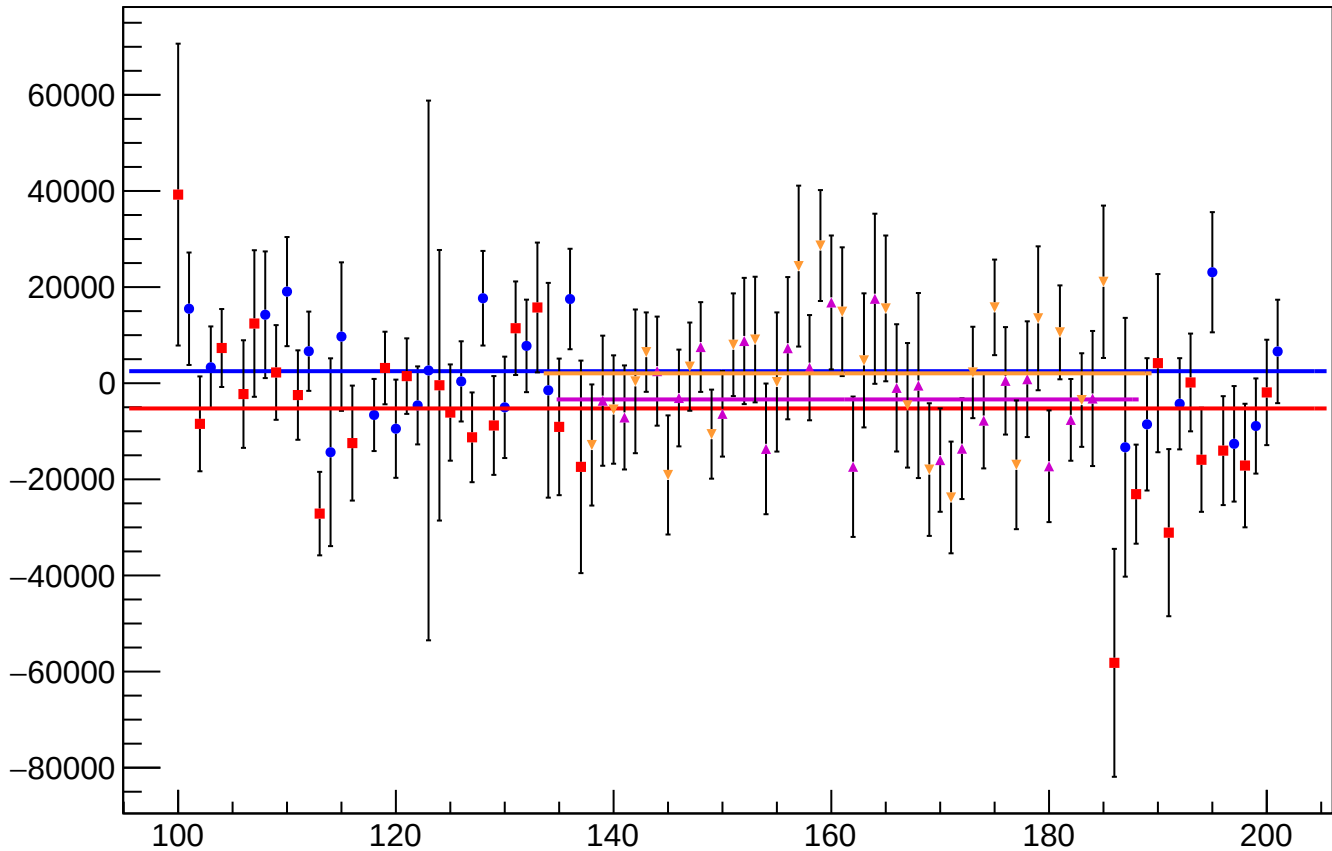
asym_atl2_correction_rms vs Slug



Right In: 1773.776 $\pm$ 0.725 χ^2 /NDF: 16579427.8/23
 Left Out: 2519.359 $\pm$ 0.702 χ^2 /NDF: 23642118.3/24
 Right Out: 1035.704 $\pm$ 0.485 χ^2 /NDF: 20988378.9/27
 Left In: 9533.563 $\pm$ 1.649 χ^2 /NDF: 1316640.0/22

+ sign 2158.335 $\pm$ 0.504 χ^2 /NDF: 40767443.2/48
 All: 1916.729 $\pm$ 0.342 χ^2 /NDF: 87952914.9/50
 - sign 1711.413 $\pm$ 0.465 χ^2 /NDF: 46760898.6/50

asym_atl2_mean vs Slug



Right In: 2503.981+/-2211.159 χ^2/NDF : 21.6/23

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

Right Out: -5250.615+/-2096.446 χ^2/NDF : 34.8/27

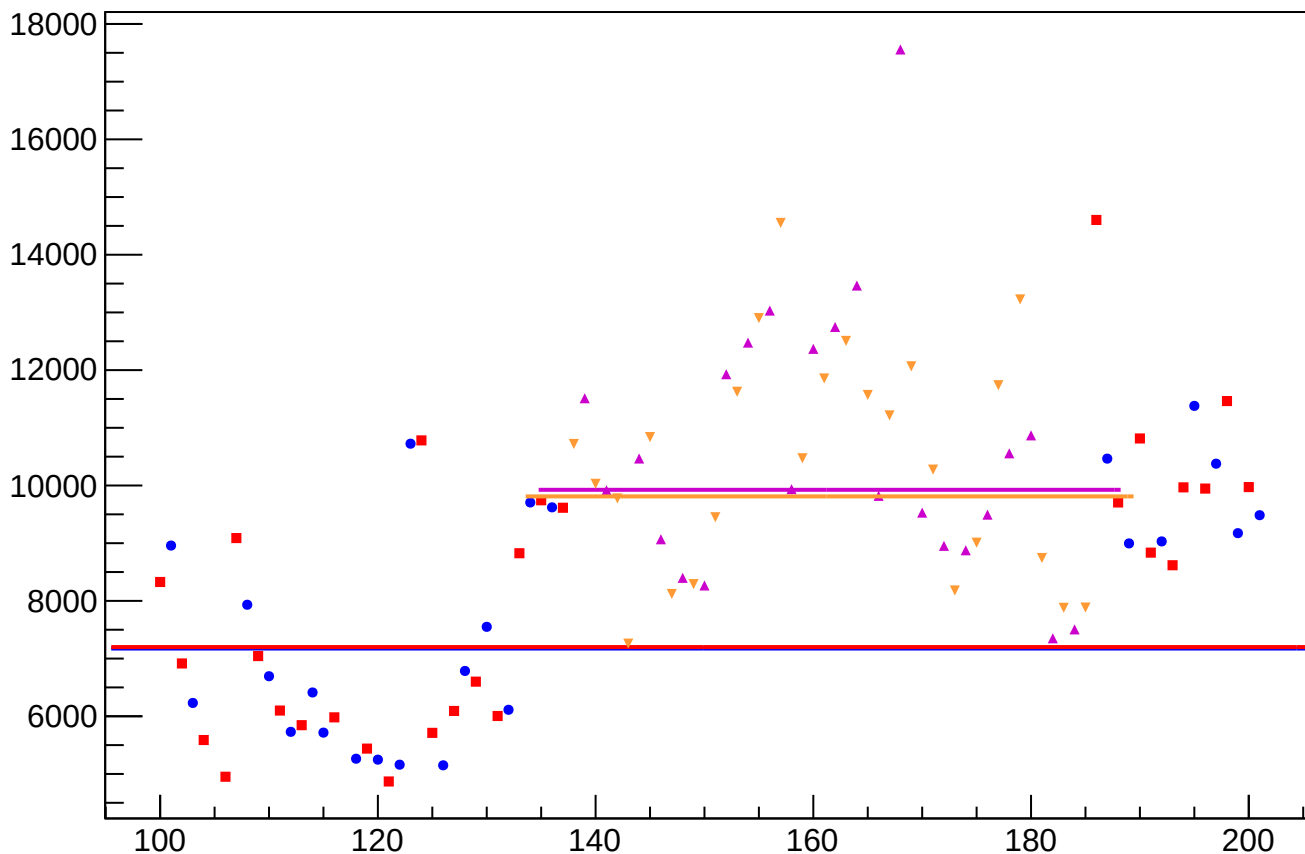
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

+ sign 2292.017+/-1605.032 χ^2/NDF : 52.4/48

All: -1118.533+/-1127.945 χ^2/NDF : 109.6/99

- sign -4446.404+/-1585.458 χ^2/NDF : 48.3/50

asym_atl2_rms vs Slug



Right In: 7174.136+/-1.564 χ^2/NDF : 1461878.7/23

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

Right Out: 7199.406+/-1.482 χ^2/NDF : 1877315.5/27

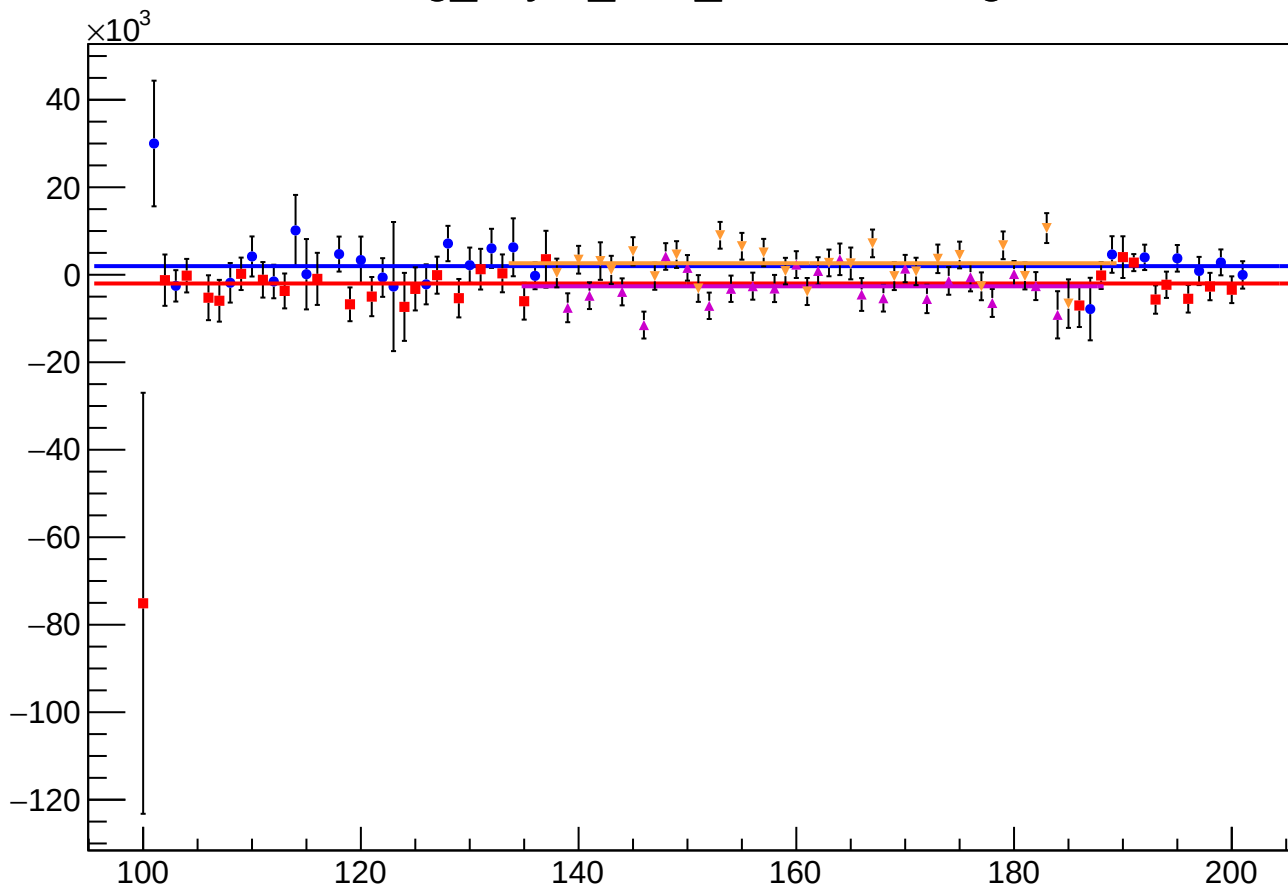
Left In: 9925.337+/-1.713 χ^2/NDF :1211554.7/22

+ sign 8421.659+/-1.135 χ^2/NDF : 4021378.3/48

All: 8393.616+/-0.798 χ^2/NDF : 8558962.3/99

- sign 8366.253+/-1.121 χ^2/NDF : 4536377.7/50

reg_asym_atr1_mean vs Slug



Right In: 1973.562 $\pm$ 846.005 χ^2 /NDF: 17.2/23

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

Right Out: -1994.987 $\pm$ 737.926 χ^2 /NDF: 21.8/27

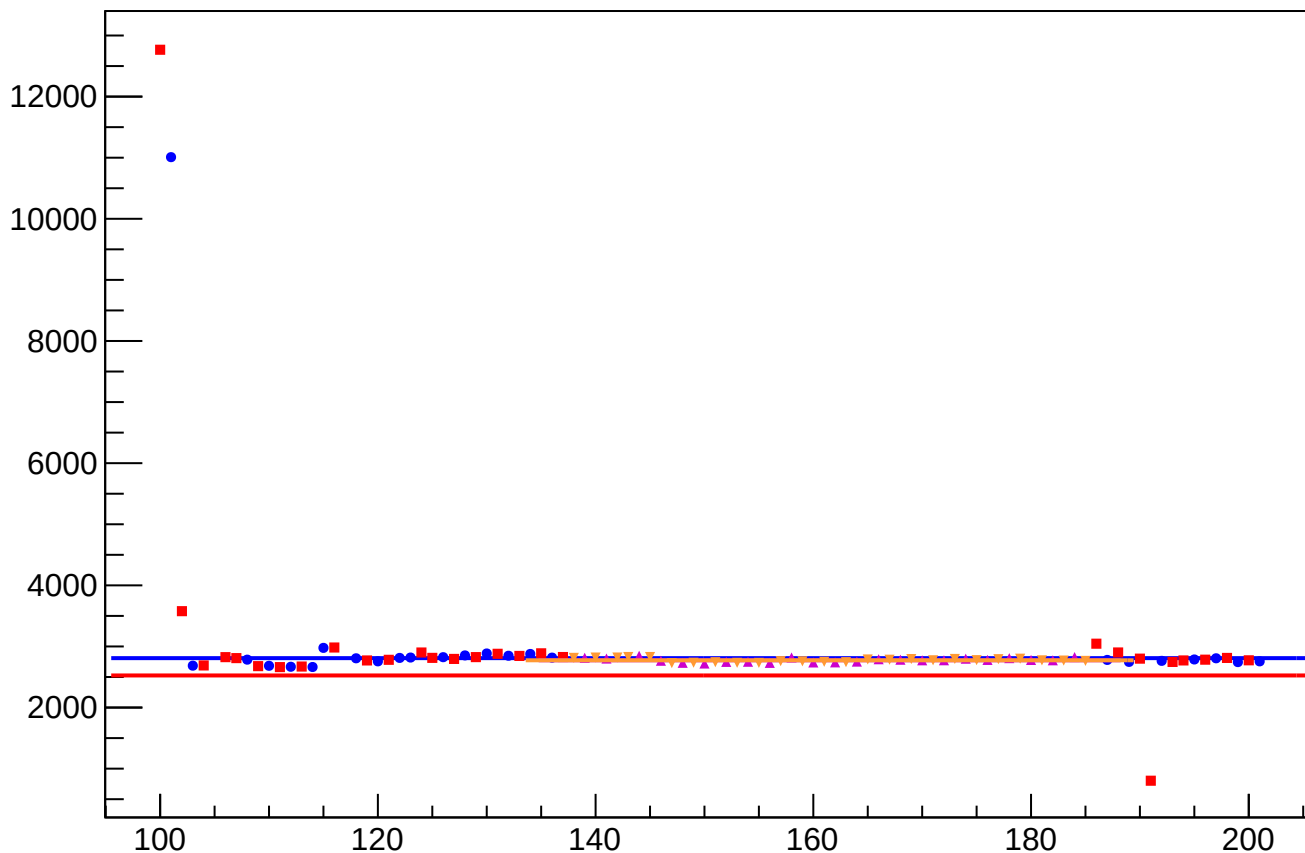
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF: 35.2/22

+ sign 2391.851 $\pm$ 513.492 χ^2 /NDF: 52.6/48

All: -71.812 $\pm$ 355.937 χ^2 /NDF: 154.4/99

- sign -2350.369 $\pm$ 493.825 χ^2 /NDF: 57.4/50

reg_asym_atr1_rms vs Slug



Right In: 2808.762+/-0.598 χ^2/NDF : 664238.0/23

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

Right Out: 2525.364+/-0.522 χ^2/NDF : 1967513.0/27

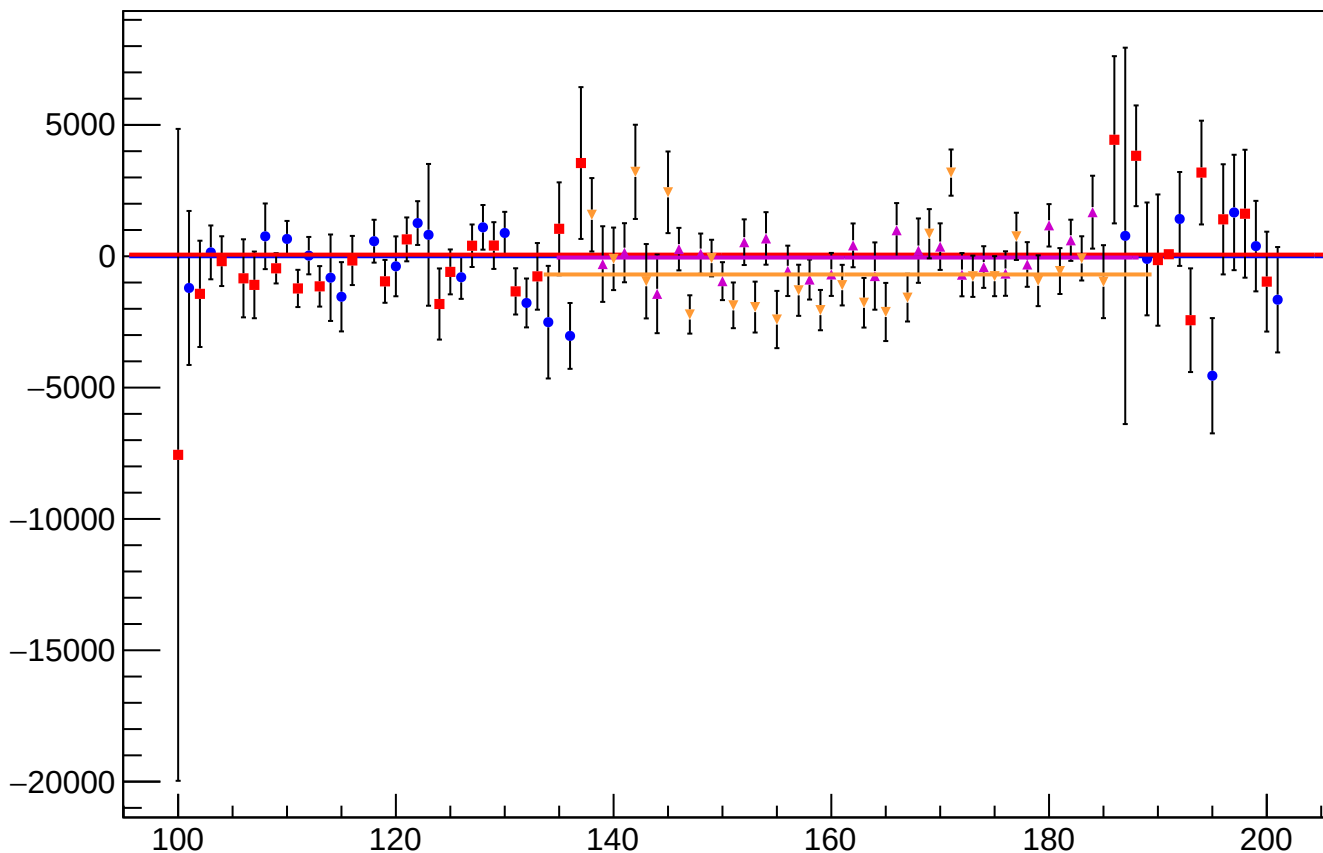
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2786.625+/-0.363 χ^2/NDF : 671022.5/48

All: 2722.229+/-0.252 χ^2/NDF : 2829474.6/99

- sign 2662.671+/-0.349 χ^2/NDF : 2097906.1/50

asym_atr1_correction_mean vs Slug



Right In: -0.242 ± 232.113 χ^2/NDF : 27.1/23

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

Right Out: 62.488 ± 37.893 χ^2/NDF : 29.5/27

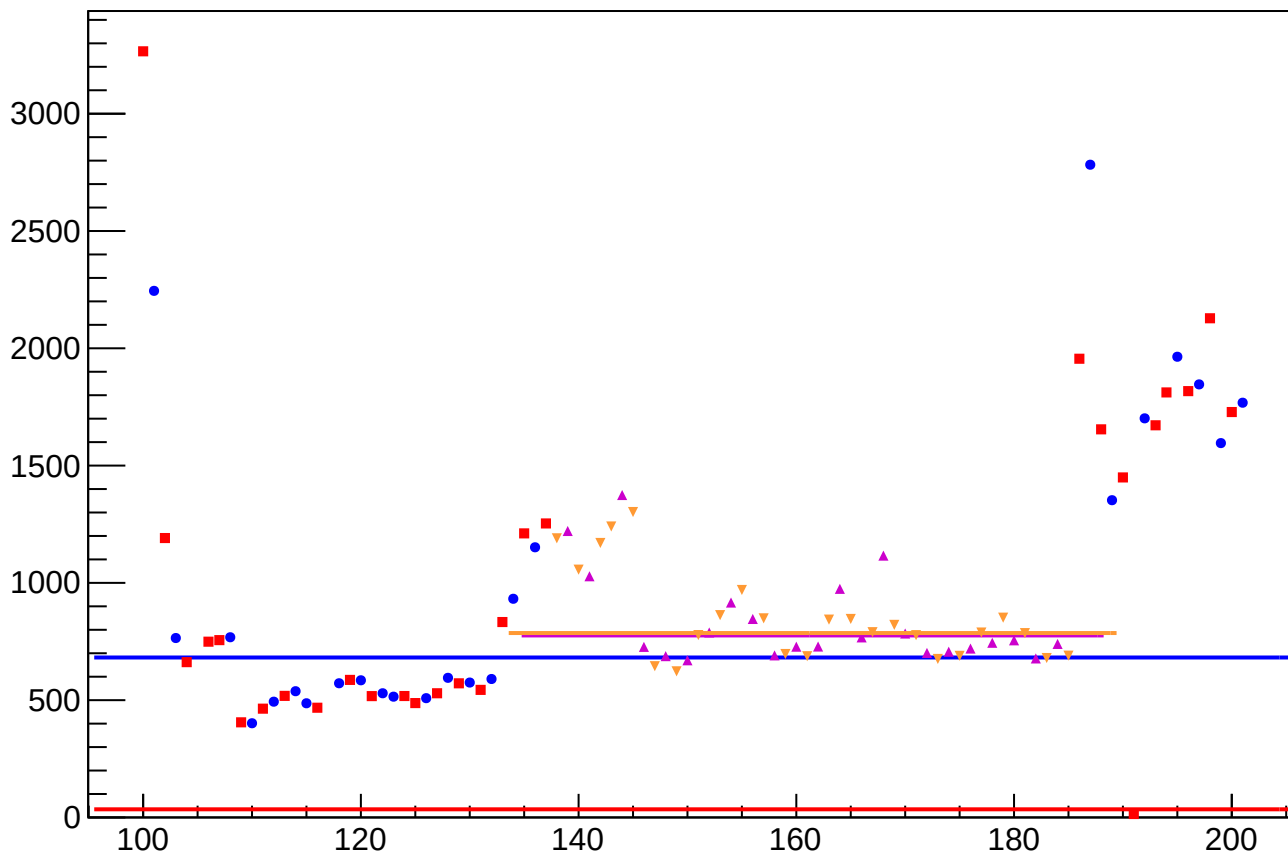
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -419.694 ± 145.761 χ^2/NDF : 88.4/48

All: 29.023 ± 36.004 χ^2/NDF : 142.0/99

- sign 58.179 ± 37.155 χ^2/NDF : 43.5/50

asym_atr1_correction_rms vs Slug



Right In: 681.901 ± 0.164 χ^2/NDF : 5133141.5/23

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

Right Out: 34.718 ± 0.027 χ^2/NDF : 22970169.5/27

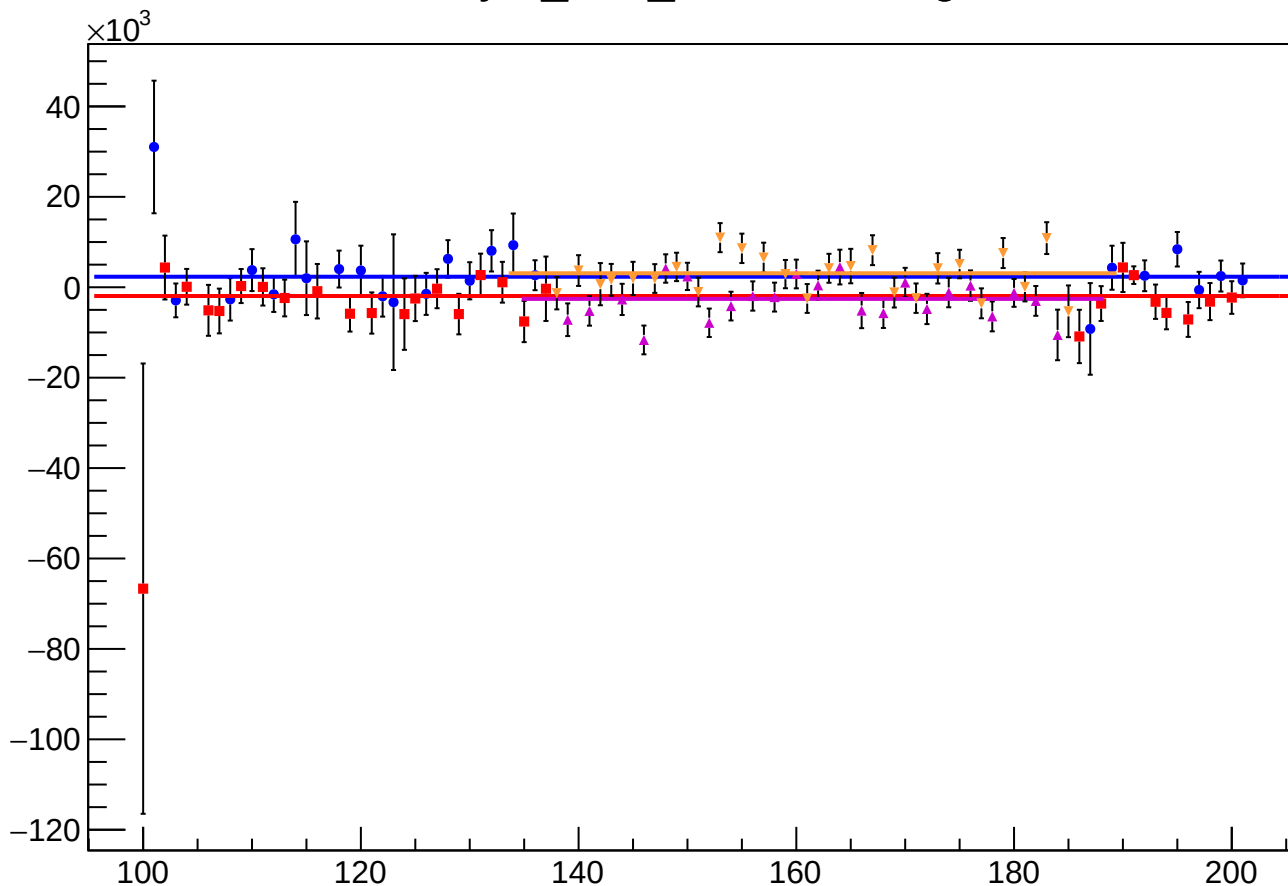
Left In: 775.930 ± 0.134 χ^2/NDF : 1056766.5/22

+ sign 745.053 ± 0.103 χ^2/NDF : 6627127.3/48

All: 104.901 ± 0.025 χ^2/NDF : 101250881.7/9

- sign 63.306 ± 0.026 χ^2/NDF : 53541595.8/50

asym_atr1_mean vs Slug



Right In: 2328.388 $\pm$ 928.723 χ^2 /NDF: 19.1/23

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

Right Out: -1936.801 $\pm$ 803.453 χ^2 /NDF: 22.5/27

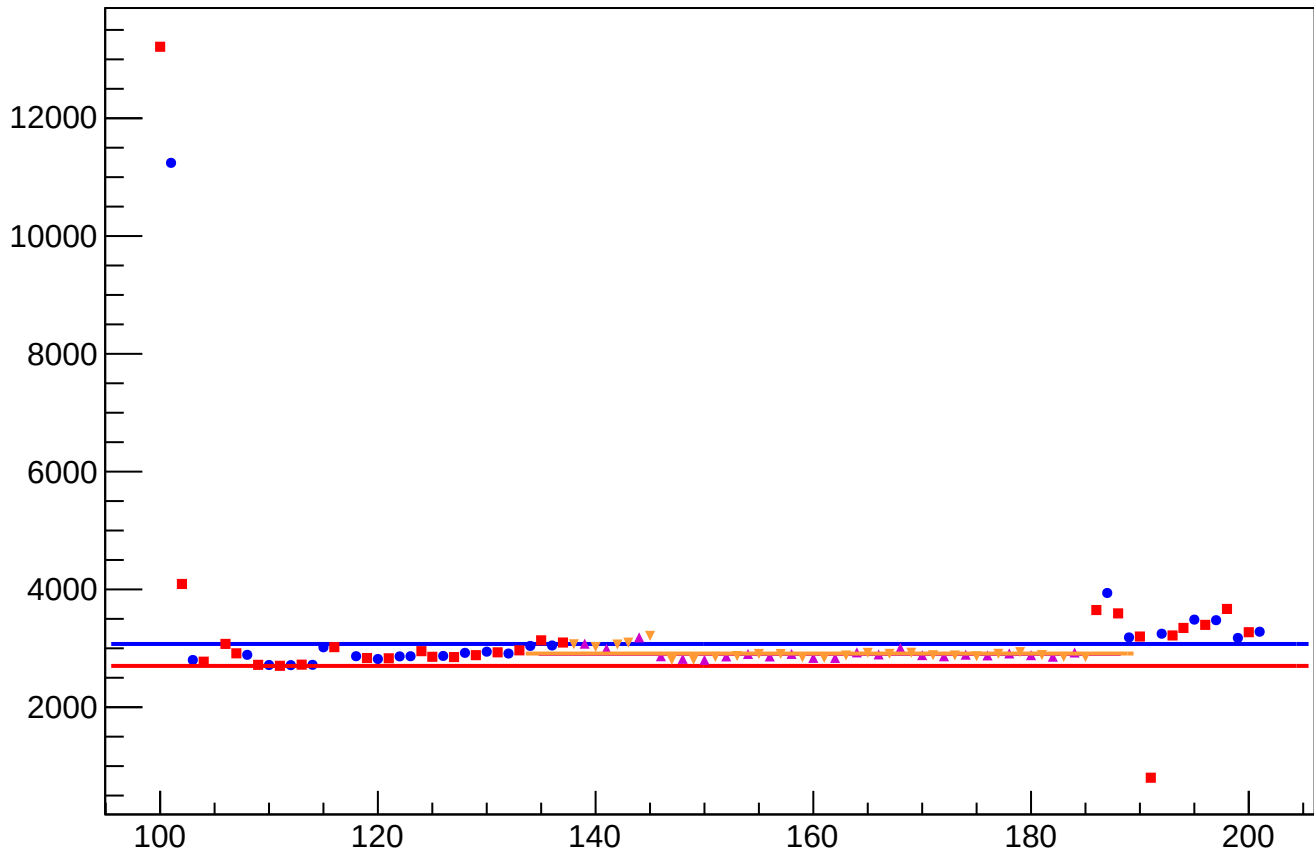
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2828.102 $\pm$ 547.872 χ^2 /NDF: 58.2/48

All: 159.299 $\pm$ 379.426 χ^2 /NDF: 162.4/99

- sign -2300.456 $\pm$ 525.977 χ^2 /NDF: 58.6/50

asym_atr1_rms vs Slug



Right In: 3073.795+/-0.657 χ^2/NDF : 764709.0/23

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

Right Out: 2701.219+/-0.568 χ^2/NDF : 2635862.1/27

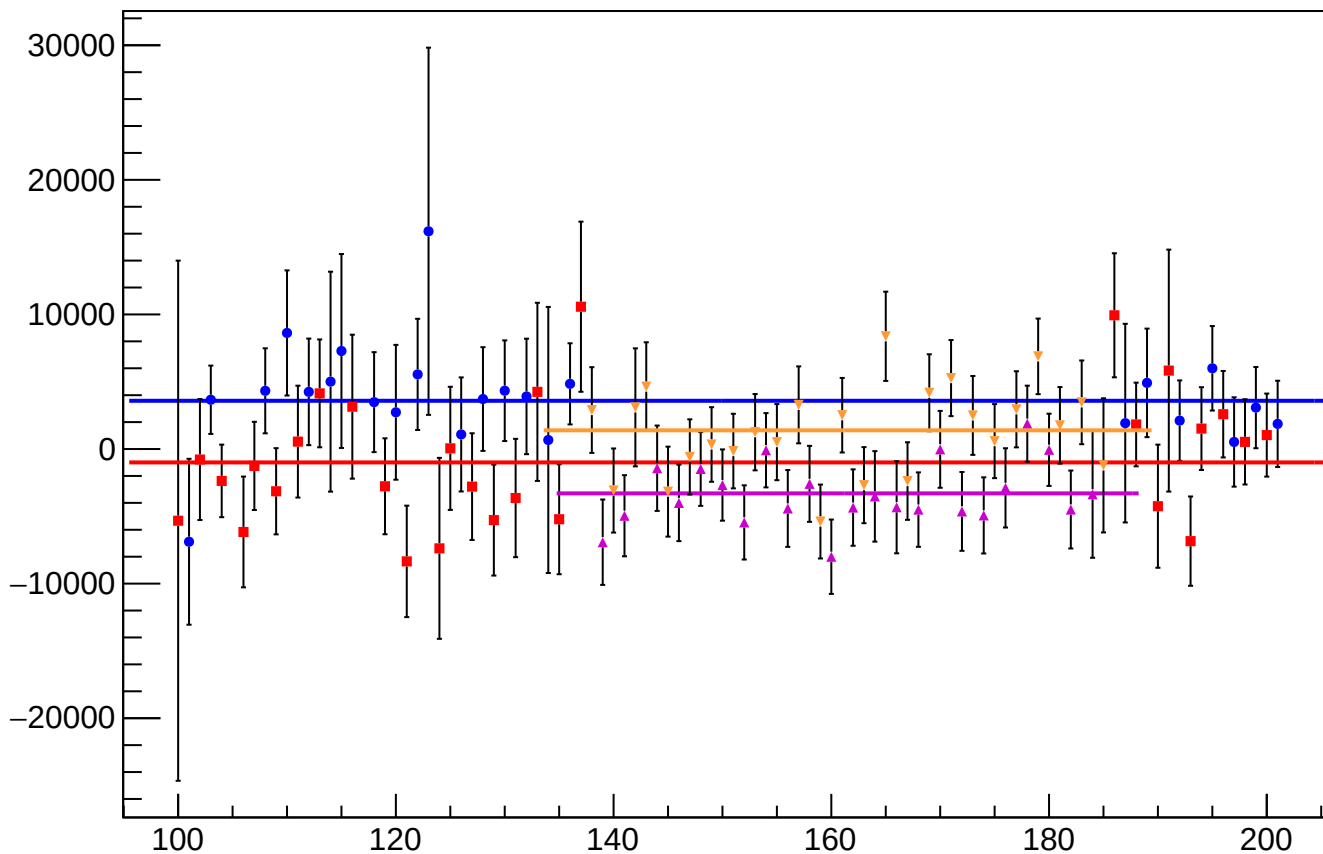
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2967.801+/-0.387 χ^2/NDF : 841308.9/48

All: 2889.202+/-0.268 χ^2/NDF : 3657488.6/99

- sign 2816.759+/-0.372 χ^2/NDF : 2737078.3/50

reg_asym_atr2_mean vs Slug



Right In: 3584.222+/-799.857 χ^2/NDF : 8.4/23

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

Right Out: -994.639+/-746.841 χ^2/NDF : 29.0/27

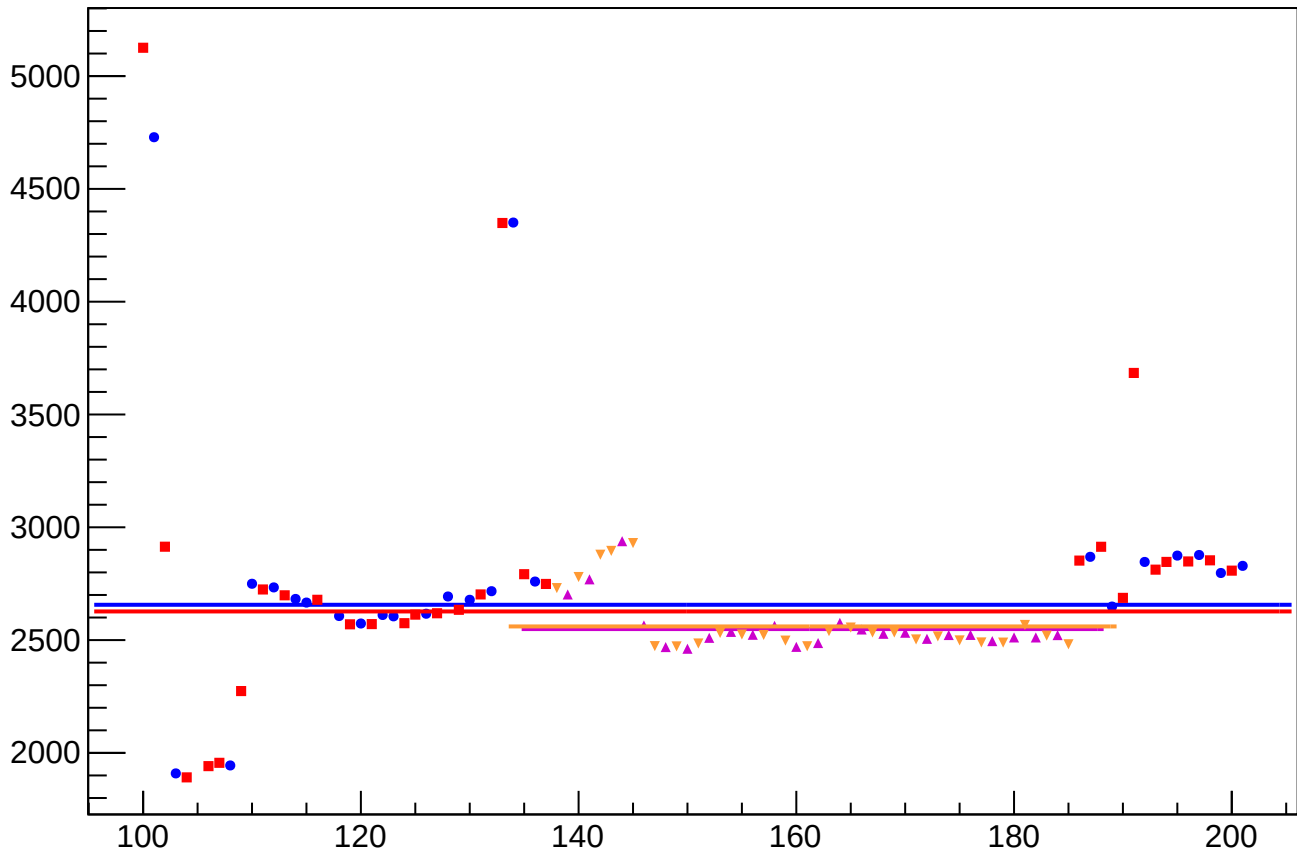
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2174.399+/-478.180 χ^2/NDF : 42.4/48

All: -127.647+/-336.075 χ^2/NDF : 137.7/99

- sign -2374.716+/-472.436 χ^2/NDF : 49.6/50

reg_asym_atr2_rms vs Slug



Right In: 2656.520 ± 0.566 χ^2/NDF : 604395.5/23

Left Out: 2560.531 ± 0.422 χ^2/NDF : 86771.4/24

Right Out: 2626.995 ± 0.528 χ^2/NDF : 590045.1/27

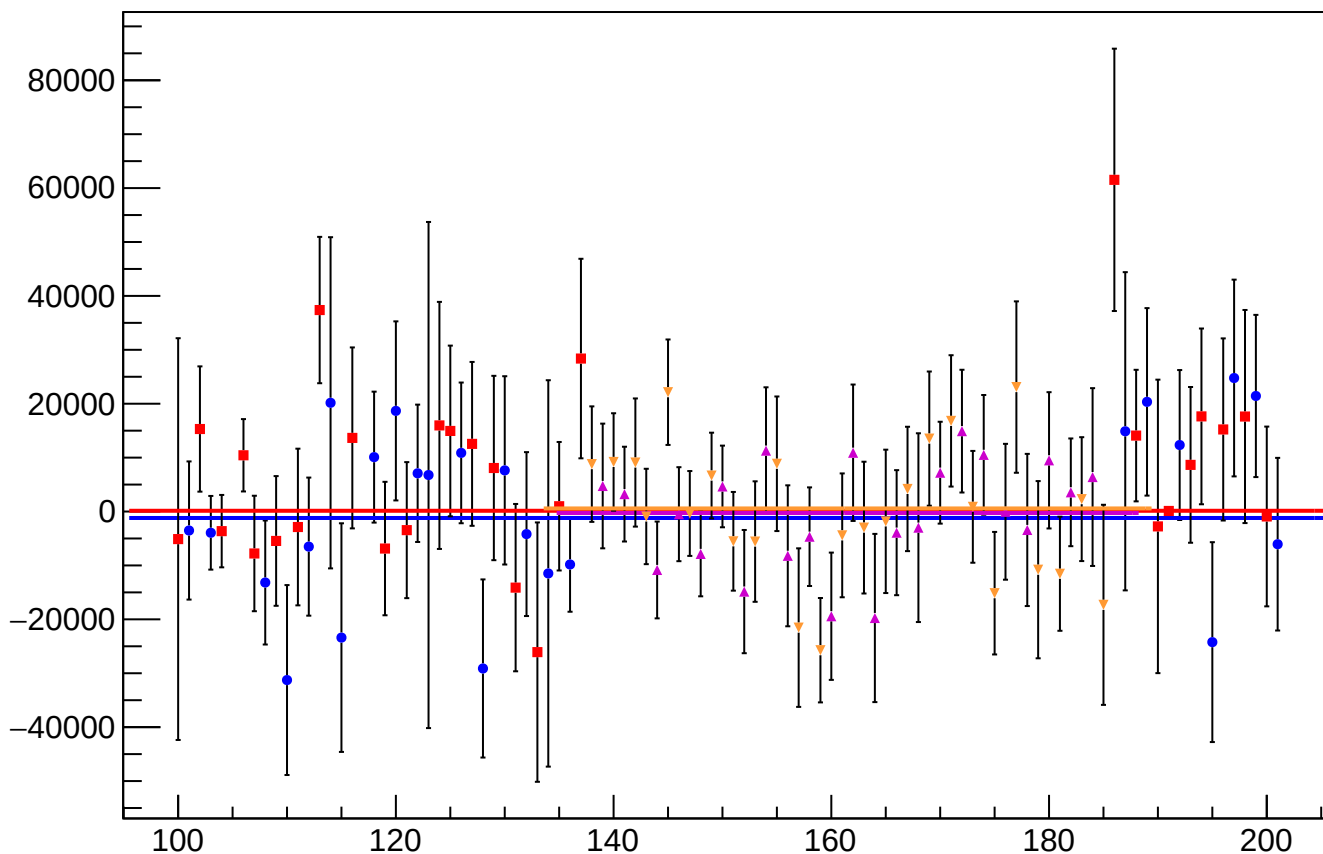
Left In: 2548.870 ± 0.431 χ^2/NDF : 55266.2/22

+ sign 2594.838 ± 0.338 χ^2/NDF : 709676.0/48

All: 2587.396 ± 0.238 χ^2/NDF : 1369072.3/99

- sign 2580.132 ± 0.334 χ^2/NDF : 658439.1/50

asym_atr2_correction_mean vs Slug



Right In: -1197.754 ± 2893.277 χ^2/NDF : 22.4/23

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

Right Out: 139.792 ± 194.991 χ^2/NDF : 31.2/27

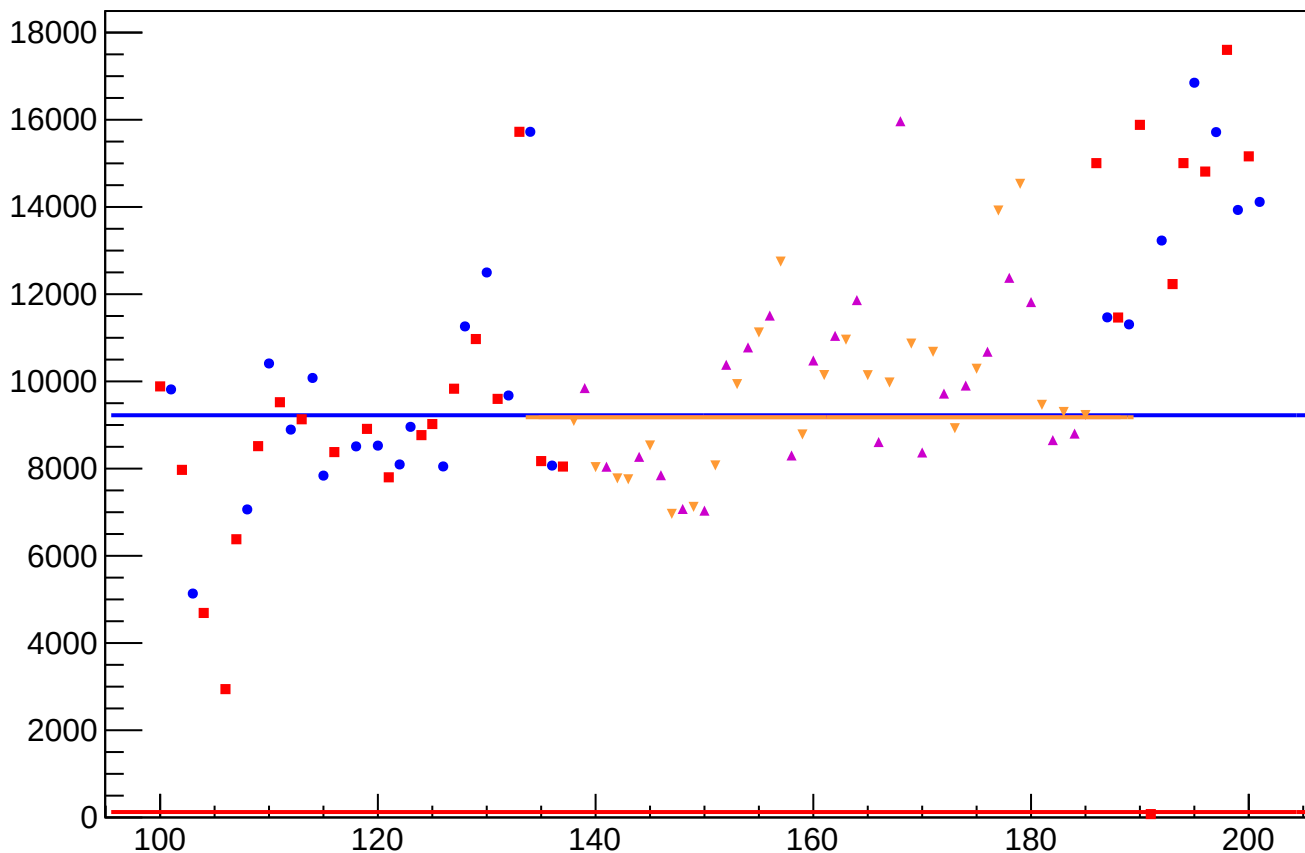
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -70.218 ± 1743.322 χ^2/NDF : 50.9/48

All: 134.142 ± 193.063 χ^2/NDF : 97.8/99

- sign 136.680 ± 194.258 χ^2/NDF : 46.9/50

asym_atr2_correction_rms vs Slug



Right In: 9223.687+/-2.046 χ^2/NDF : 2236967.3/23

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

Right Out: 124.229+/-0.138 χ^2/NDF : 24369058.8/27

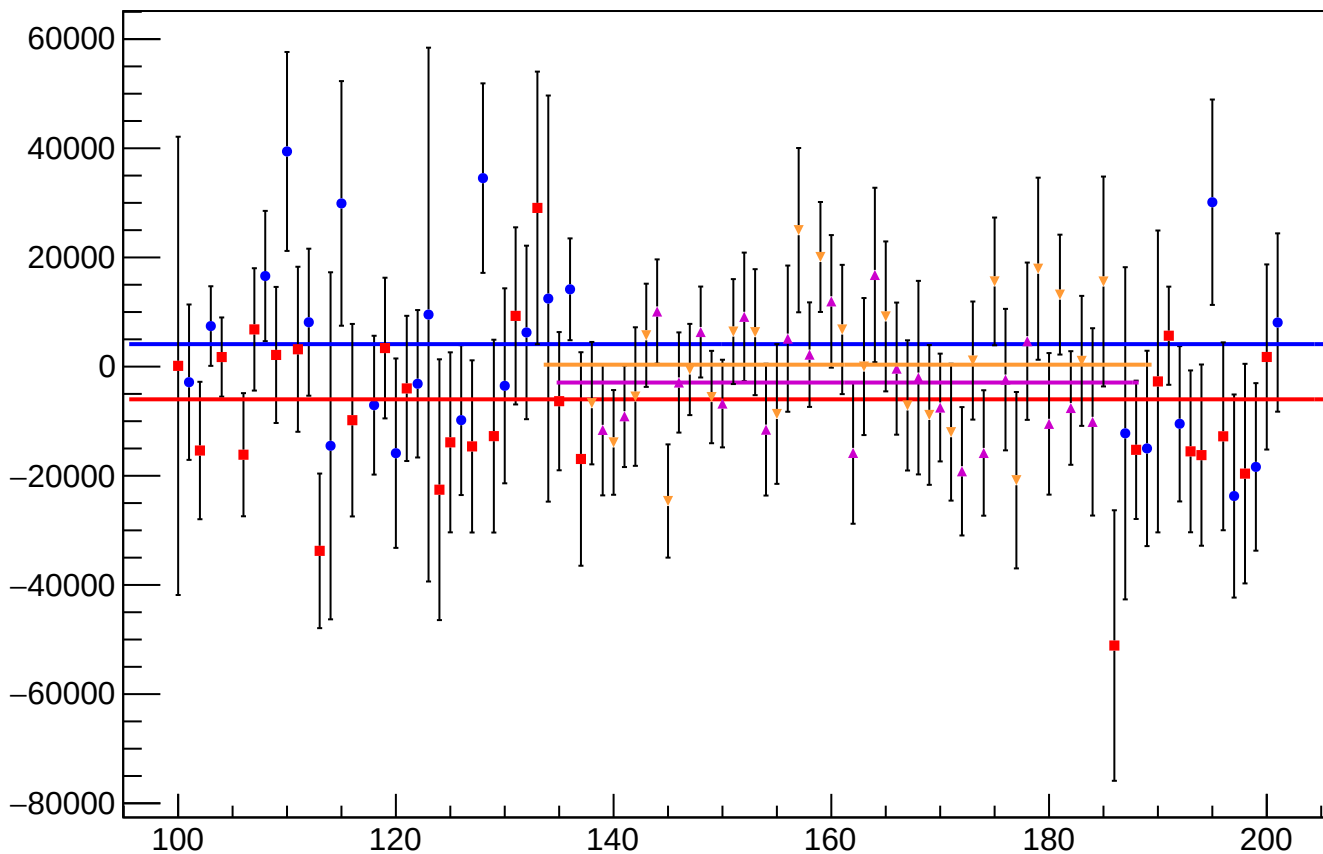
Left In: 9181.254+/-1.586 χ^2/NDF : 1236469.7/22

+ sign 9194.388+/-1.233 χ^2/NDF : 3413485.1/48

All: 302.578+/-0.137 χ^2/NDF : 114064693.2/50

- sign 192.172+/-0.137 χ^2/NDF : 57975016.2/50

asym_atr2_mean vs Slug



Right In: 4118.580 $\pm$ 3036.400 χ^2 /NDF: 23.8/23

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

Right Out: -5992.006 $\pm$ 2688.577 χ^2 /NDF: 20.6/27

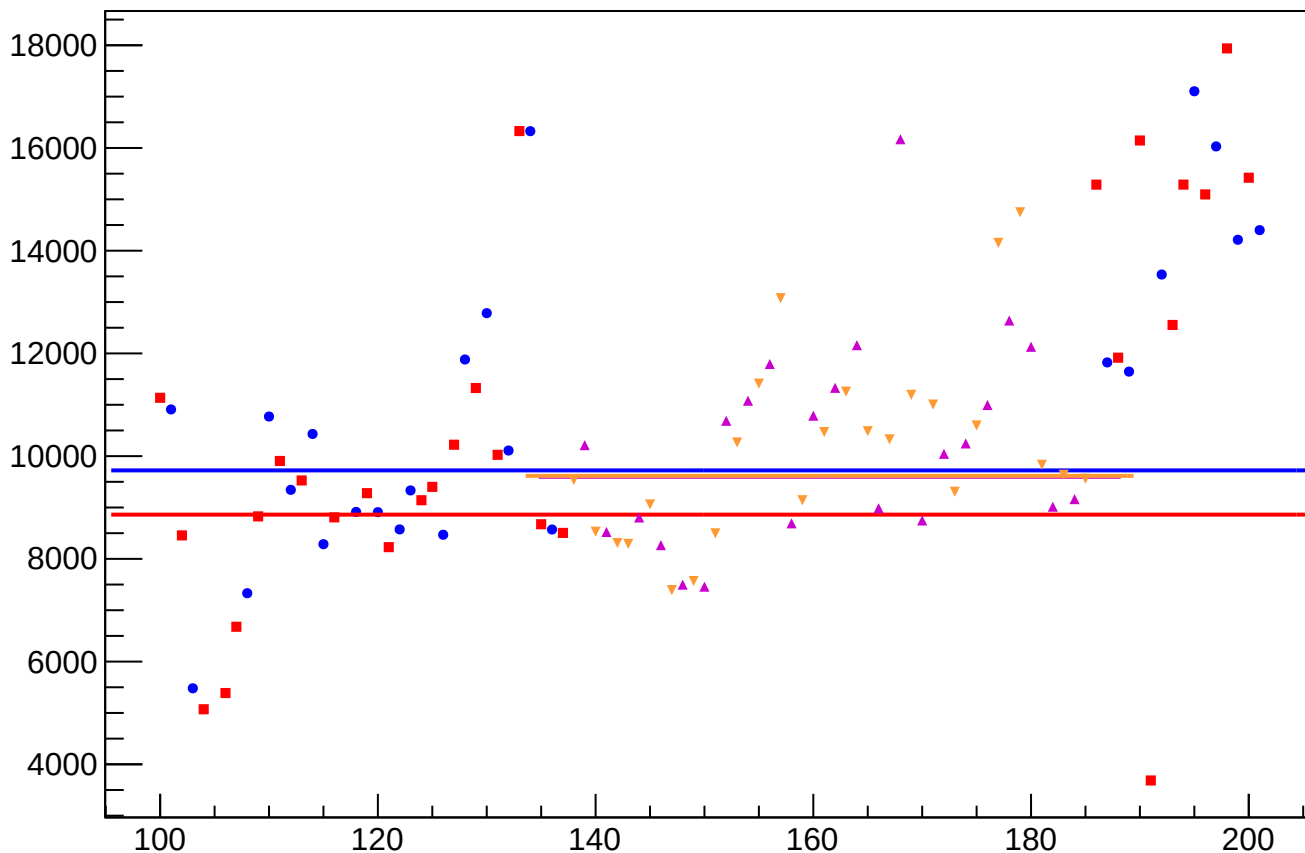
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF:14.9/22

+ sign 1713.683 $\pm$ 1824.081 χ^2 /NDF: 51.0/48

All: -1363.205 $\pm$ 1268.205 χ^2 /NDF: 92.7/99

- sign -4242.145 $\pm$ 1764.431 χ^2 /NDF: 36.2/50

asym_atr2_rms vs Slug



Right In: 9722.519+/-2.147 χ^2/NDF : 2066094.9/23

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

Right Out: 8861.114+/-1.901 χ^2/NDF : 3531847.7/27

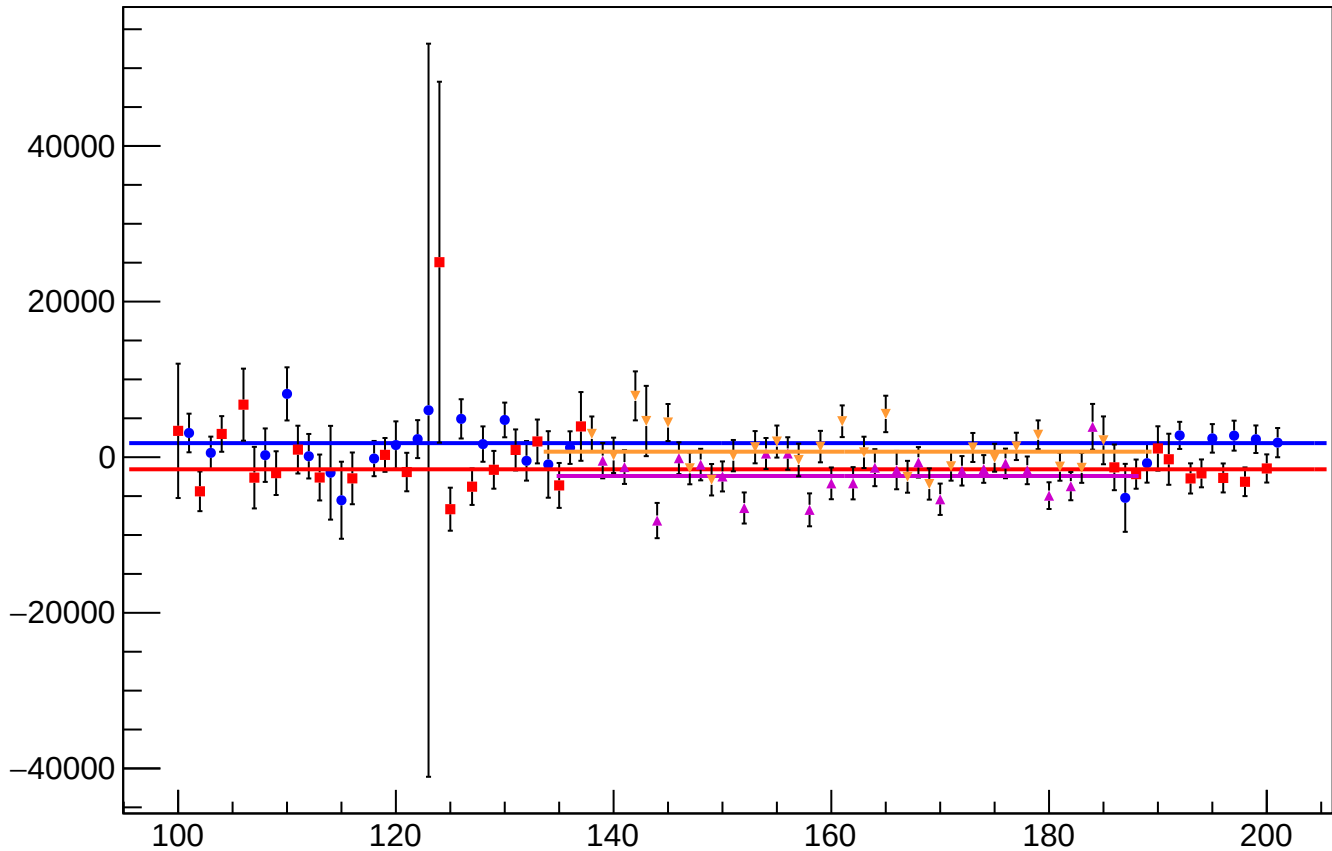
Left In: 9598.531+/-1.654 χ^2/NDF : 1082171.6/22

+ sign 9654.598+/-1.290 χ^2/NDF : 3079326.3/48

All: 9461.547+/-0.897 χ^2/NDF : 7822367.7/99

- sign 9280.920+/-1.248 χ^2/NDF : 4699679.2/50

reg_asym_atl_avg_mean vs Slug



Right In: 1808.346 $\pm$ 504.798 χ^2 /NDF: 17.1/23

Left Out: 709.722 $\pm$ 417.377 χ^2 /NDF:34.8/24

Right Out: -1554.972 $\pm$ 482.819 χ^2 /NDF: 23.5/27

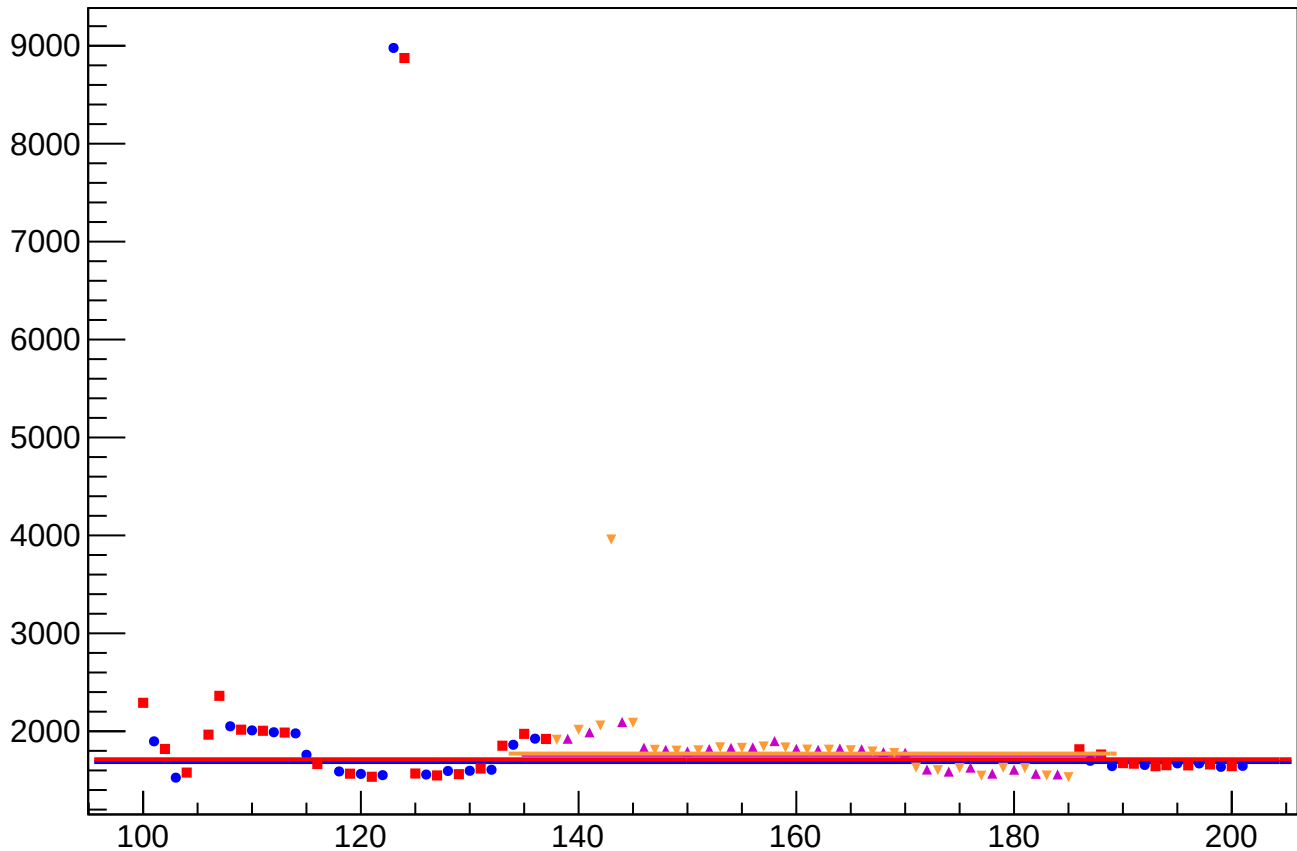
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF:34.0/22

+ sign 1155.814 $\pm$ 321.666 χ^2 /NDF: 54.7/48

All: -459.034 $\pm$ 226.277 χ^2 /NDF: 163.8/99

- sign -2040.922 $\pm$ 318.366 χ^2 /NDF: 59.2/50

reg_asym_atl_avg_rms vs Slug



Right In: 1685.541 $\pm$ 0.357 χ^2 /NDF: 201790.4/23

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

Right Out: 1713.969 $\pm$ 0.341 χ^2 /NDF: 417896.7/27

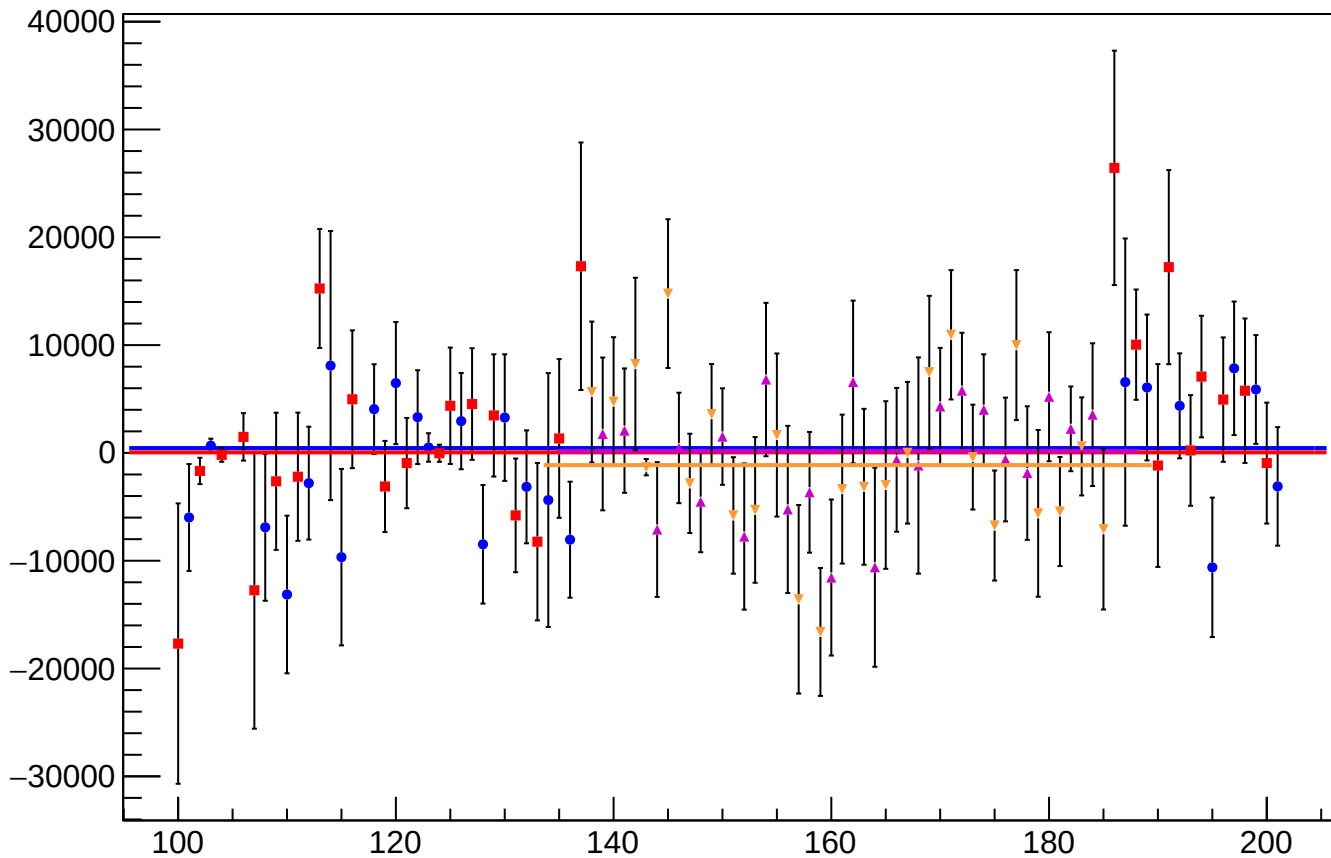
Left In: 1759.600 $\pm$ 0.299 χ^2 /NDF: 214891.5/22

+ sign 1736.921 $\pm$ 0.227 χ^2 /NDF: 939146.8/48

All: 1738.330 $\pm$ 0.160 χ^2 /NDF: 1582133.9/99

- sign 1739.708 $\pm$ 0.225 χ^2 /NDF: 642911.2/50

asym_atl_avg_correction_mean vs Slug



Right In: 451.898 $\pm$ 526.102 χ^2 /NDF: 24.8/23

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

Right Out: 51.379 $\pm$ 424.824 χ^2 /NDF: 37.5/27

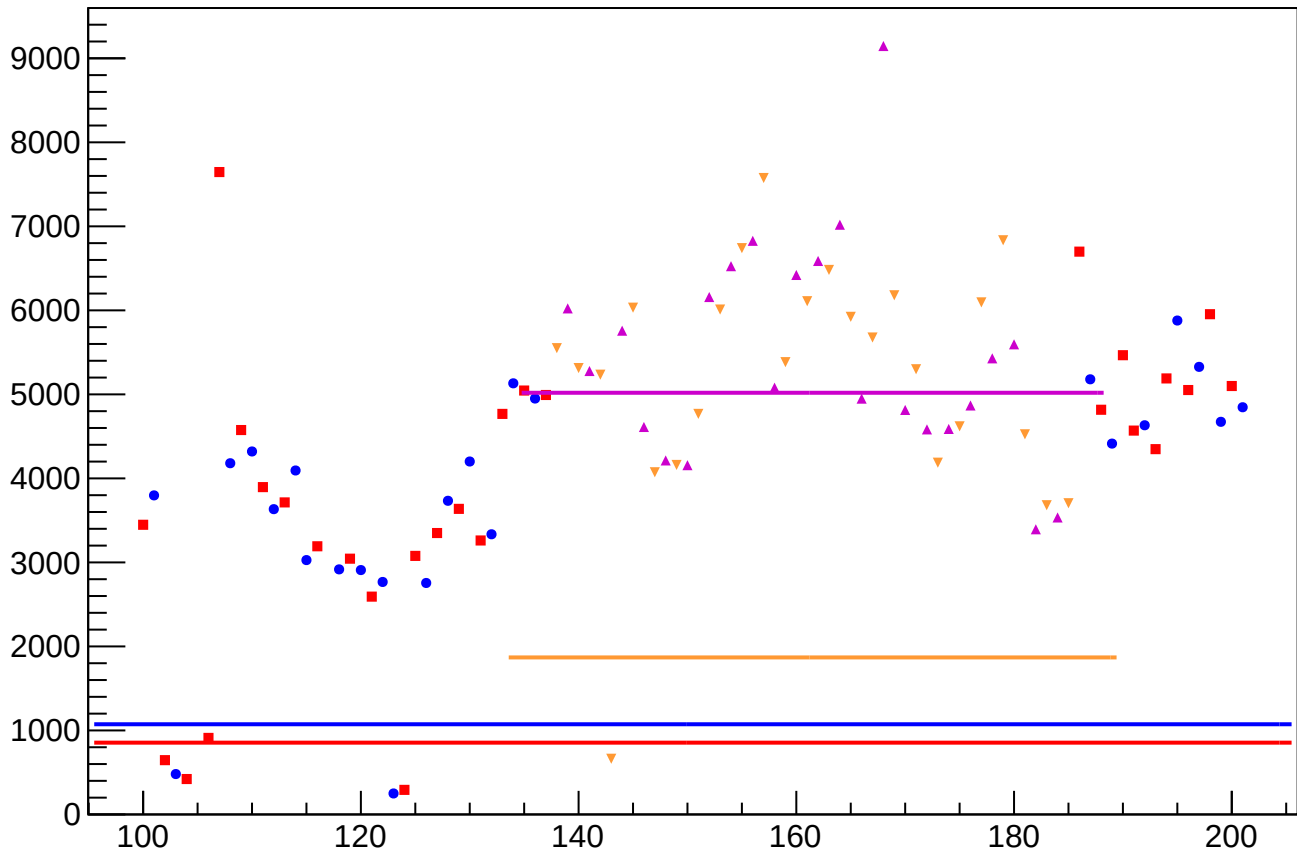
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -176.957 $\pm$ 408.337 χ^2 /NDF: 59.9/48

All: -54.594 $\pm$ 286.338 χ^2 /NDF: 111.8/99

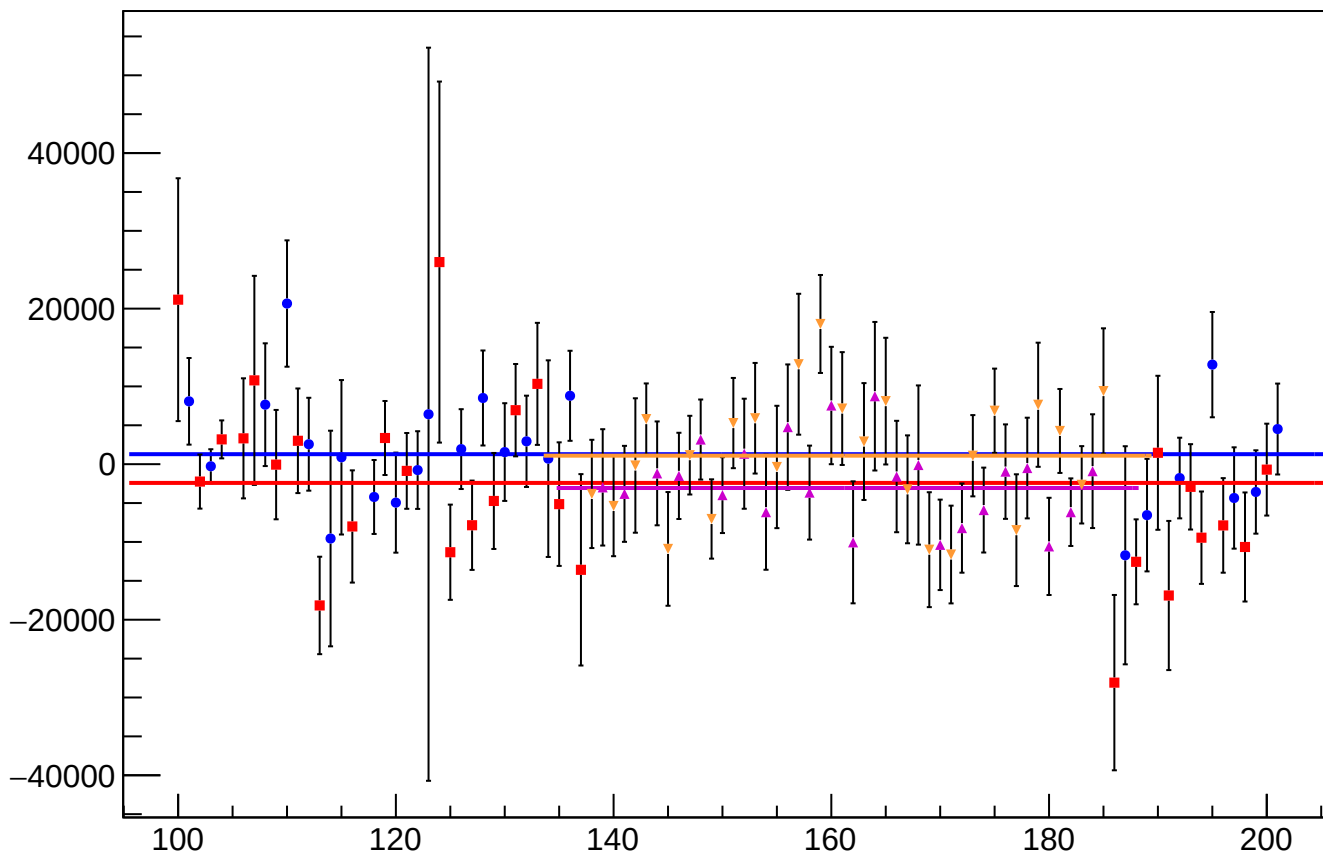
- sign 63.784 $\pm$ 401.632 χ^2 /NDF: 51.7/50

asym_atl_avg_correction_rms vs Slug



Right In: 1073.596+/-0.372	χ^2/NDF : 14198873.1/23	+ sign 1389.827+/-0.289	χ^2/NDF : 35868782.4/48
Left Out: 1868.983+/-0.458	χ^2/NDF : 19852416.6/24	All: 1342.585+/-0.202	χ^2/NDF : 74663449.6/50
Right Out: 854.589+/-0.300	χ^2/NDF : 16760875.4/27	- sign 1296.882+/-0.284	χ^2/NDF : 38742000.3/50
Left In: 5019.114+/-0.871	χ^2/NDF : 1569031.9/22		

asym_atl_avg_mean vs Slug



Right In: 1284.958+/-1154.181 χ^2/NDF : 21.8/23

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

Right Out: -2410.002+/-1116.326 χ^2/NDF : 43.8/27

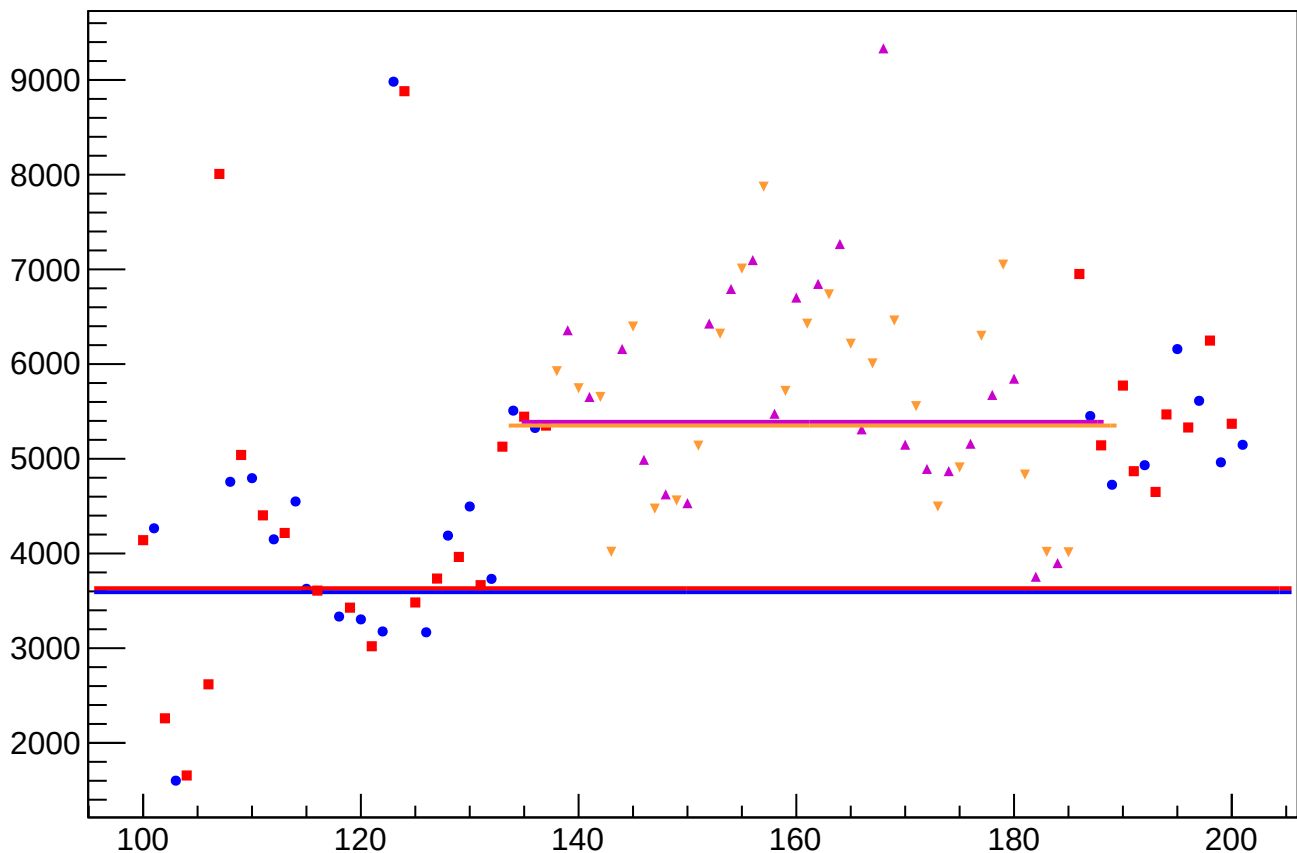
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1198.956+/-855.092 χ^2/NDF : 53.7/48

All: -749.550+/-603.504 χ^2/NDF : 120.6/99

- sign -2683.471+/-851.886 χ^2/NDF : 56.5/50

asym_atl_avg_rms vs Slug



Right In: 3591.787 $\pm$ 0.816 χ^2 /NDF: 3119186.1/23

Left Out: 5350.804 $\pm$ 0.900 χ^2 /NDF:1241497.9/24

Right Out: 3633.118 $\pm$ 0.781 χ^2 /NDF: 3713427.3/27

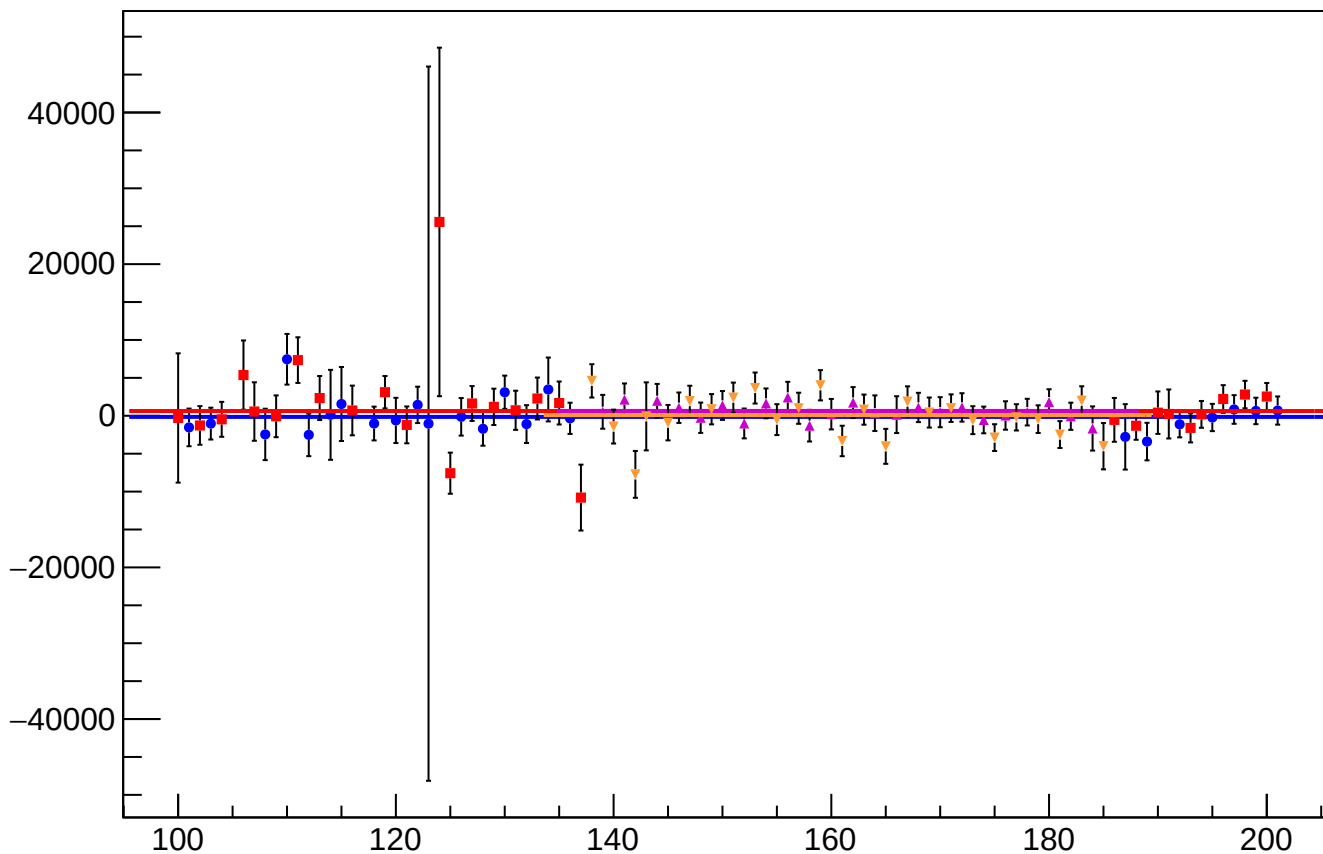
Left In: 5389.724 $\pm$ 0.932 χ^2 /NDF:1309863.0/22

+ sign 4385.311 $\pm$ 0.605 χ^2 /NDF: 6456317.6/48

All: 4371.198 $\pm$ 0.425 χ^2 /NDF: 13567999.7/50

- sign 4357.371 $\pm$ 0.599 χ^2 /NDF: 7110603.5/50

reg_asym_atl_dd_mean vs Slug



Right In: -148.354 ± 497.639 χ^2/NDF : 14.3/23

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

Right Out: 626.077 ± 475.742 χ^2/NDF : 33.2/27

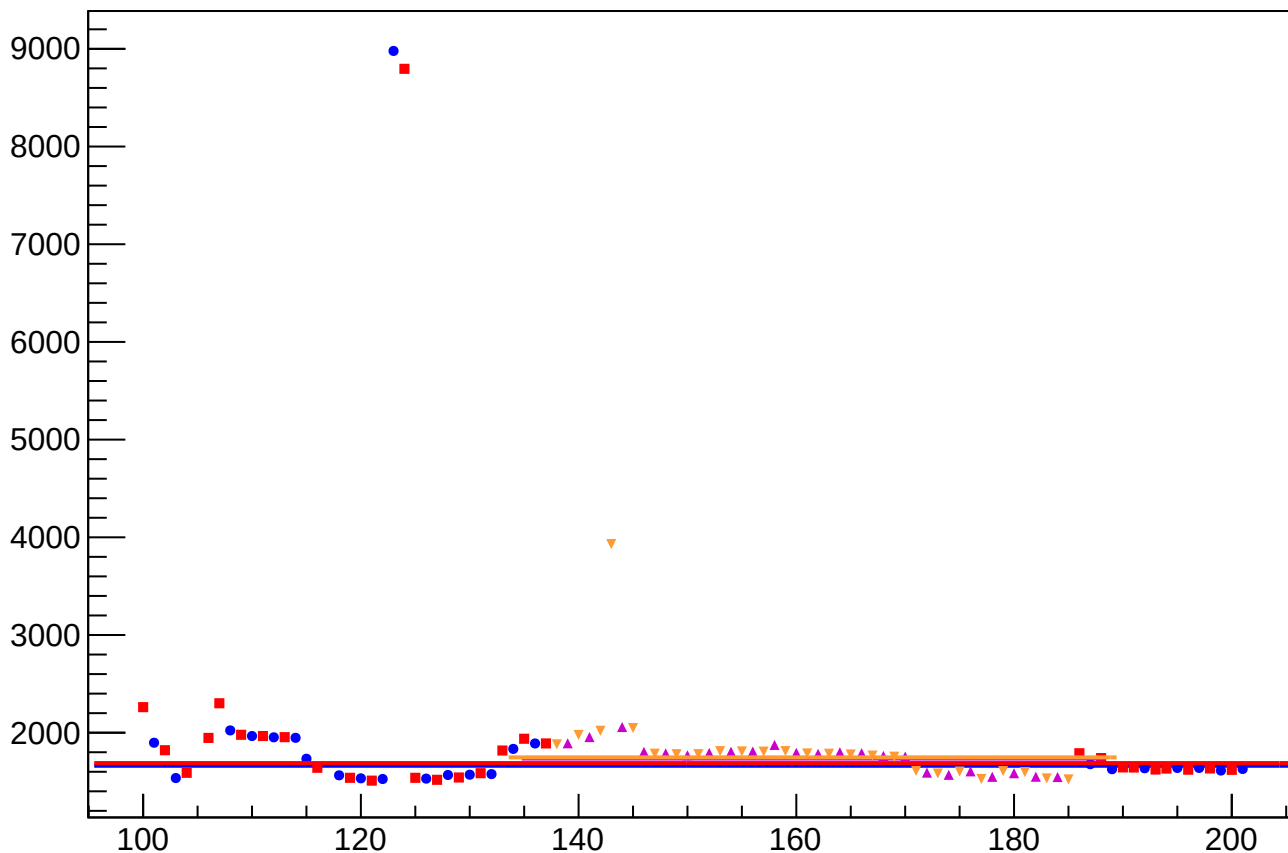
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -9.051 ± 317.137 χ^2/NDF : 50.4/48

All: 315.850 ± 223.083 χ^2/NDF : 91.8/99

- sign 634.073 ± 313.861 χ^2/NDF : 39.3/50

reg_asym_atl_dd_rms vs Slug



Right In: 1661.678 $\pm$ 0.352 χ^2 /NDF: 200095.5/23

Left Out: 1747.320 $\pm$ 0.291 χ^2 /NDF: 698192.3/24

Right Out: 1689.138 $\pm$ 0.336 χ^2 /NDF: 414633.2/27

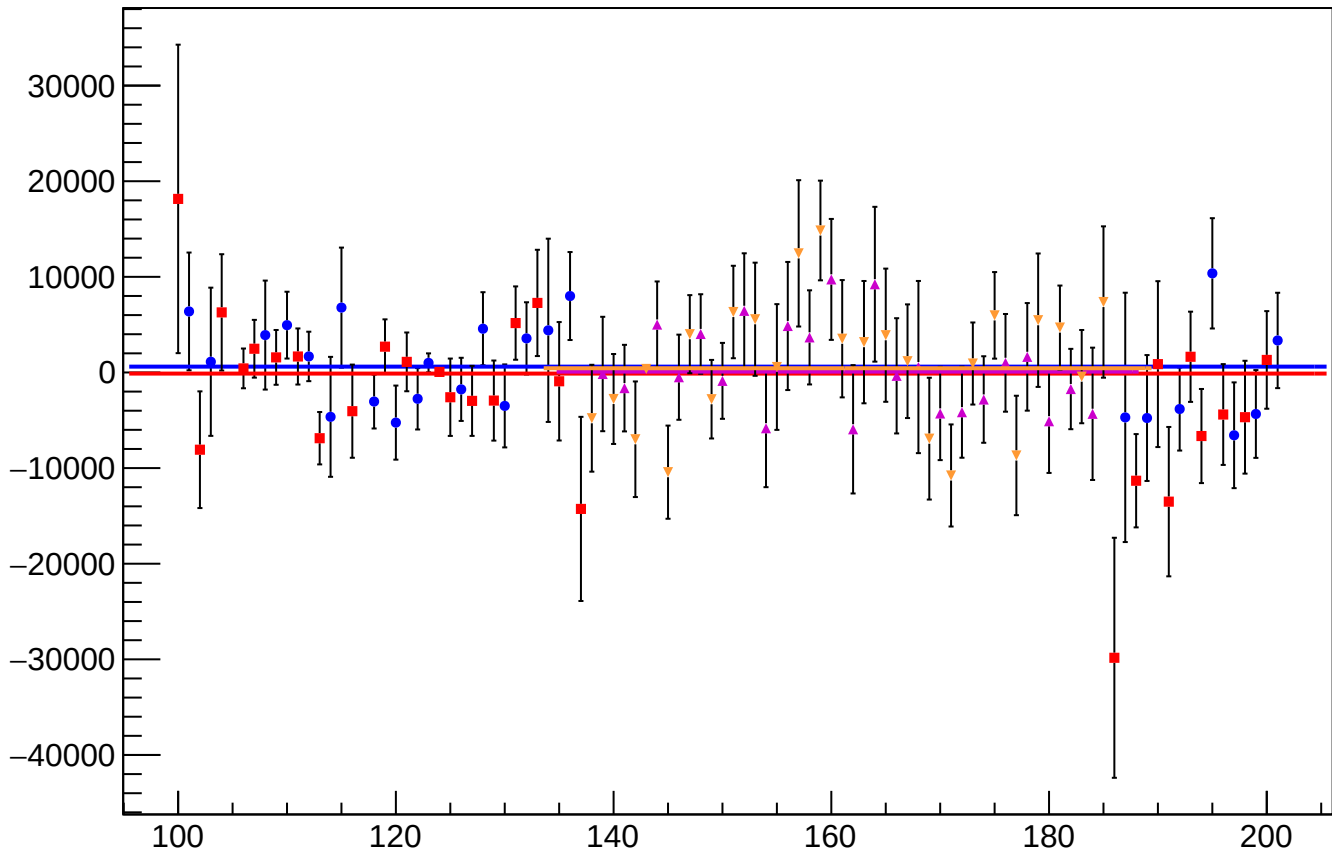
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1712.538 $\pm$ 0.224 χ^2 /NDF: 933465.6/48

All: 1713.931 $\pm$ 0.158 χ^2 /NDF: 1565714.6/99

- sign 1715.293 $\pm$ 0.222 χ^2 /NDF: 632172.6/50

asym_atl_dd_correction_mean vs Slug



Right In: 610.243 $\pm$ 669.063 χ^2 /NDF: 23.5/23

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

Right Out: -116.755 $\pm$ 351.361 χ^2 /NDF: 38.0/27

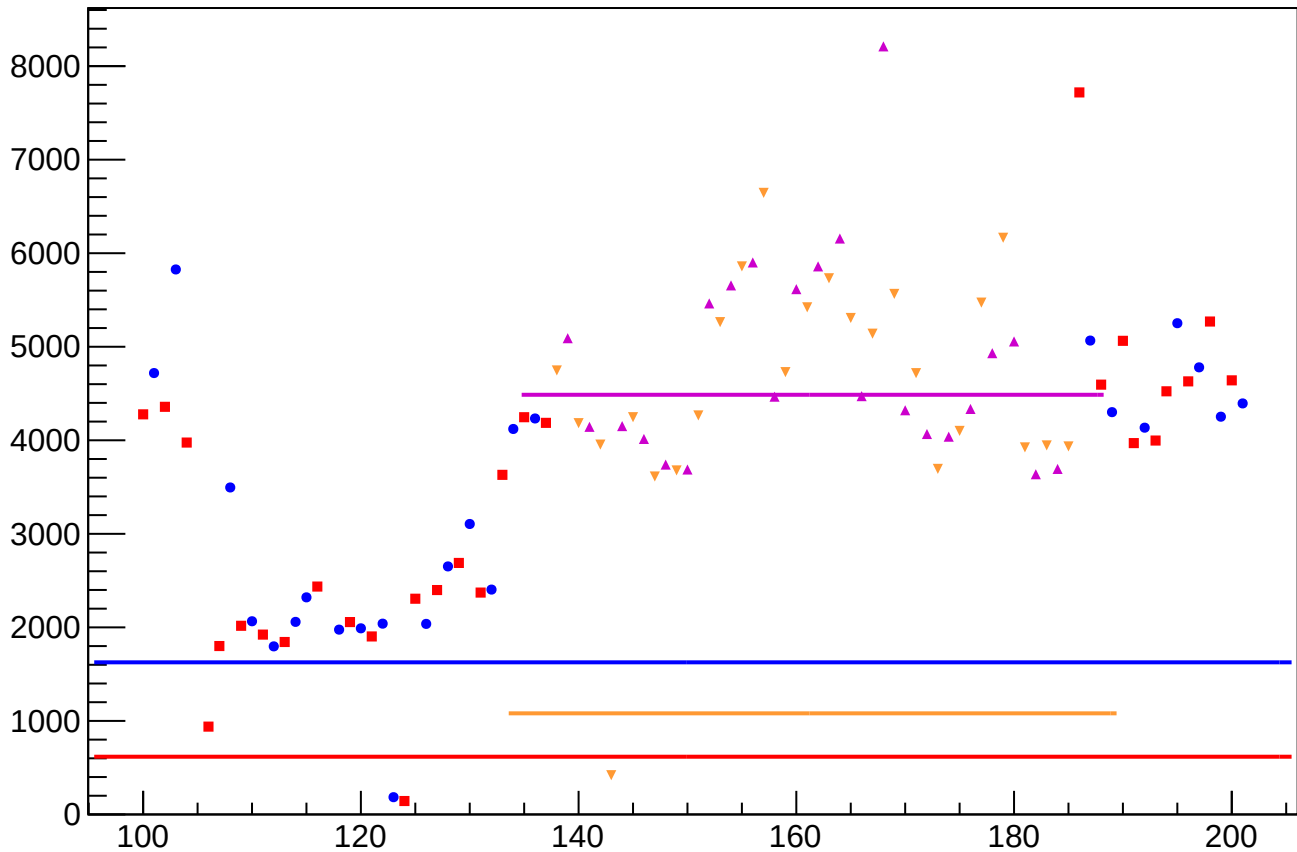
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF:13.4/22

+ sign 492.979 $\pm$ 367.822 χ^2 /NDF: 57.5/48

All: 169.786 $\pm$ 247.493 χ^2 /NDF: 110.4/99

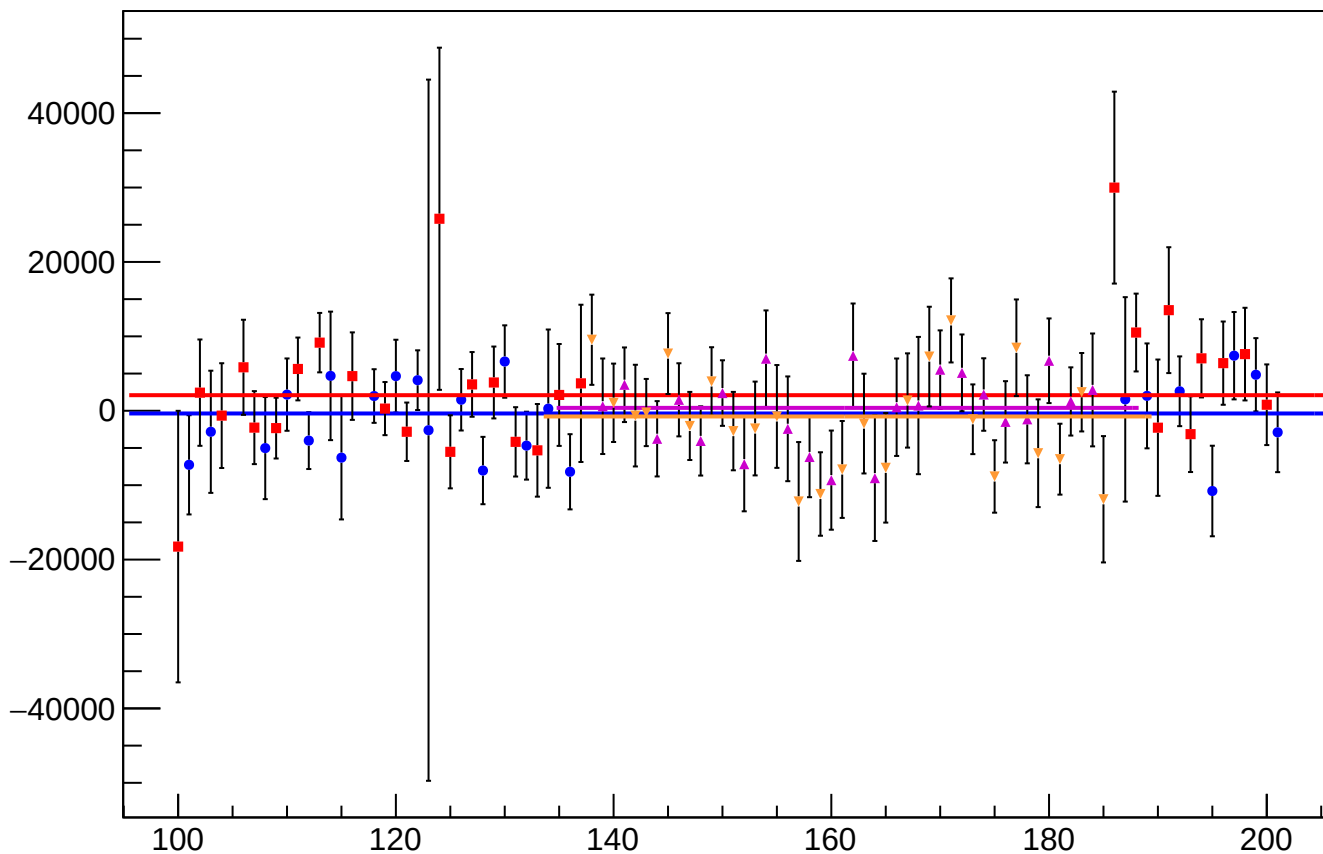
- sign -97.589 $\pm$ 334.554 χ^2 /NDF: 51.5/50

asym_atl_dd_correction_rms vs Slug



Right In: 1626.282 $\pm$ 0.473	χ^2 /NDF: 10796420.6/23	+ sign 1245.805 $\pm$ 0.260	χ^2 /NDF: 36179585.5/48
Left Out: 1081.004 $\pm$ 0.311	χ^2 /NDF: 24456244.2/24	All: 1099.553 $\pm$ 0.175	χ^2 /NDF: 79793325.9/50
Right Out: 617.261 $\pm$ 0.248	χ^2 /NDF: 19206650.5/27	- sign 978.561 $\pm$ 0.237	χ^2 /NDF: 43035959.2/50
Left In: 4486.570 $\pm$ 0.774	χ^2 /NDF: 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -363.867 ± 1099.311 χ^2/NDF : 21.4/23

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

Right Out: 2094.332 ± 1033.453 χ^2/NDF : 29.2/27

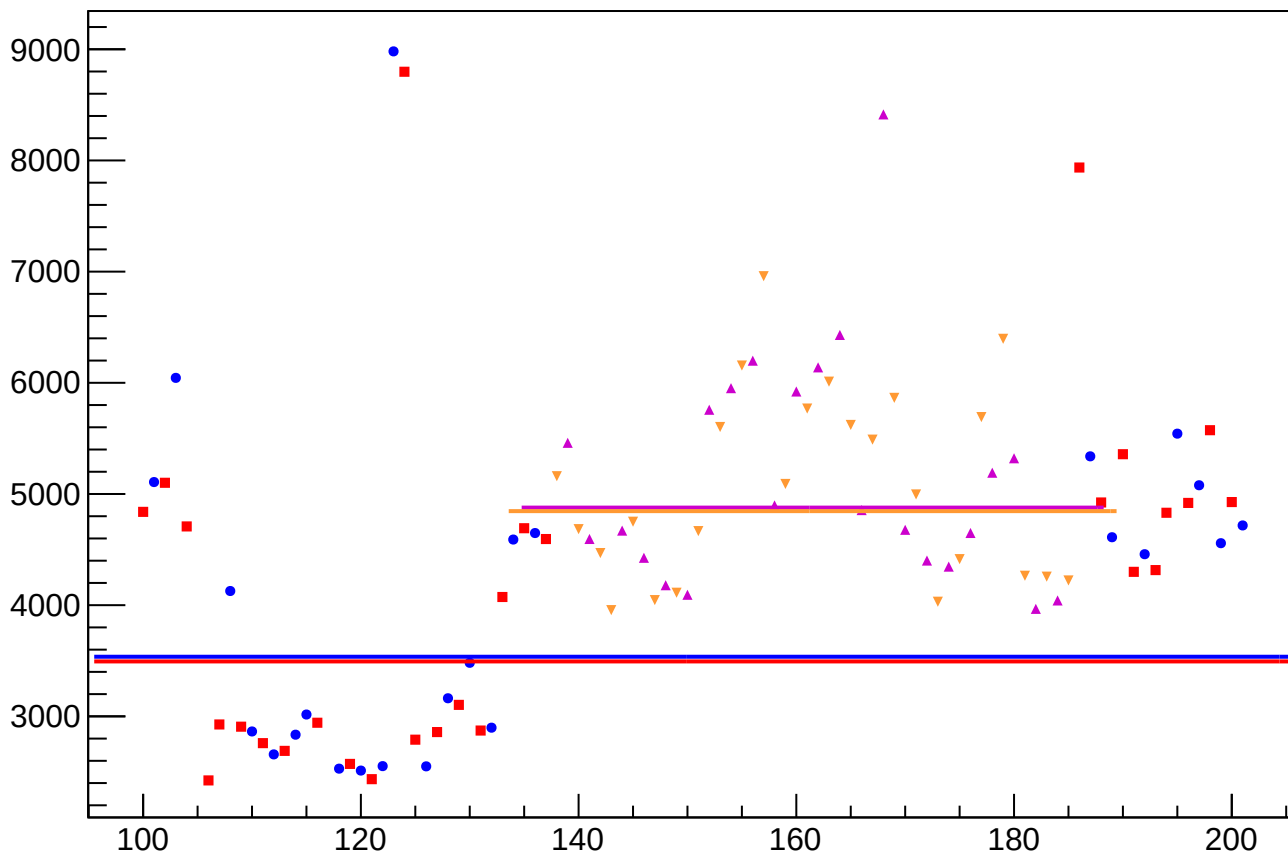
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -556.339 ± 793.777 χ^2/NDF : 51.4/48

All: 418.788 ± 556.072 χ^2/NDF : 98.9/99

- sign 1358.513 ± 779.235 χ^2/NDF : 44.6/50

asym_atl_dd_rms vs Slug



Right In: 3536.184+/-0.777 χ^2/NDF : 1848974.5/23

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

Right Out: 3494.009+/-0.724 χ^2/NDF : 2276493.1/27

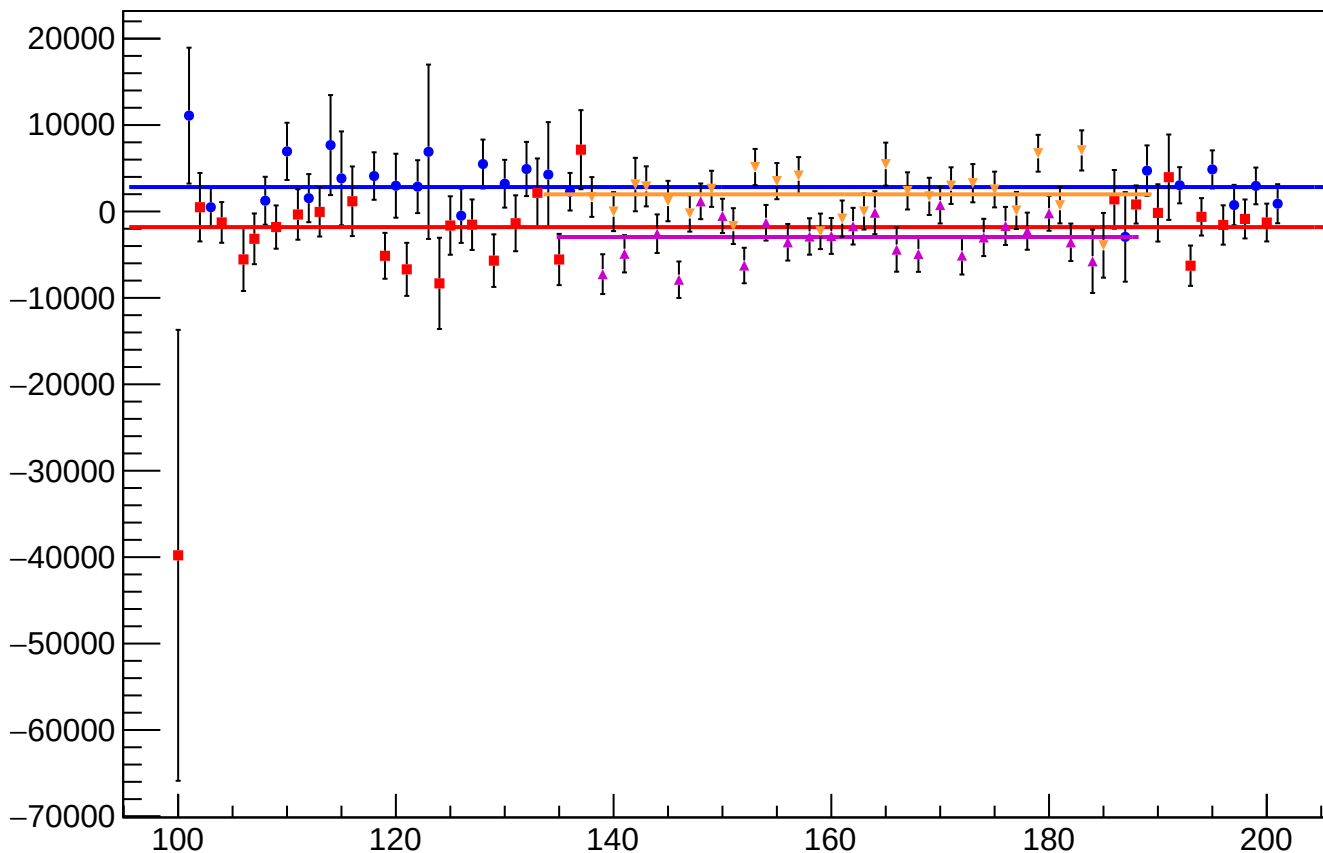
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4162.977+/-0.561 χ^2/NDF : 4116629.1/48

All: 4122.805+/-0.392 χ^2/NDF : 8920760.2/99

- sign 4084.507+/-0.548 χ^2/NDF : 4794124.9/50

reg_asym_atr_avg_mean vs Slug



Right In: 2824.851 $\pm$ 593.041 χ^2 /NDF: 12.1/23

Left Out: 1985.469 $\pm$ 443.190 χ^2 /NDF: 32.4/24

Right Out: -1806.967 $\pm$ 555.887 χ^2 /NDF: 26.8/27

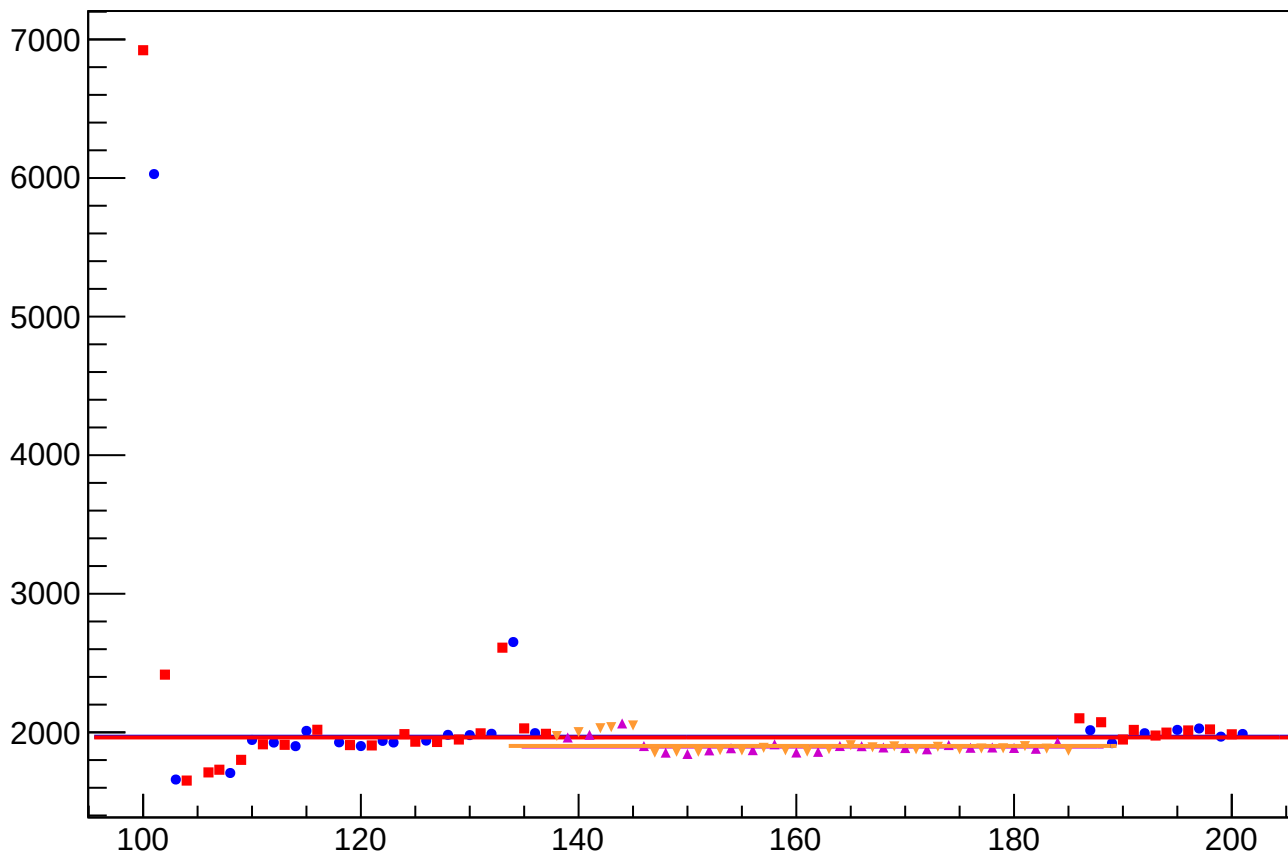
Left In: -2955.900 $\pm$ 454.551 χ^2 /NDF: 28.4/22

+ sign 2286.262 $\pm$ 355.008 χ^2 /NDF: 45.8/48

All: -125.751 $\pm$ 249.917 χ^2 /NDF: 195.1/99

- sign -2495.512 $\pm$ 351.885 χ^2 /NDF: 57.8/50

reg_asym_atr_avg_rms vs Slug



Right In: 1968.480+/-0.419 χ^2/NDF : 621685.9/23

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

Right Out: 1963.125+/-0.393 χ^2/NDF : 234748.0/27

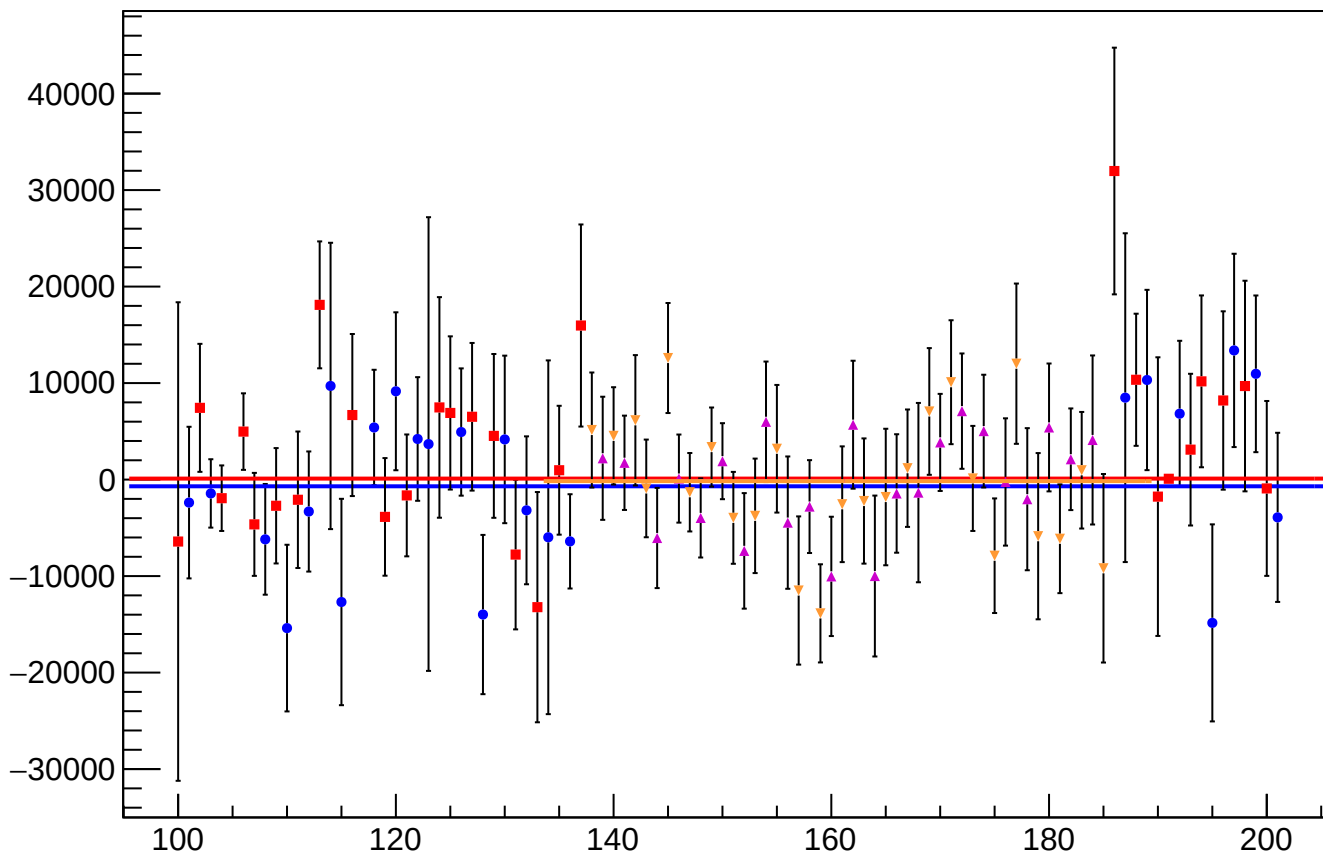
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1925.749+/-0.251 χ^2/NDF : 668315.6/48

All: 1924.771+/-0.177 χ^2/NDF : 941026.9/99

- sign 1923.811+/-0.249 χ^2/NDF : 272681.2/50

asym_atr_avg_correction_mean vs Slug



Right In: -695.851 ± 1506.032 χ^2/NDF : 22.9/23

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

Right Out: 102.091 ± 109.585 χ^2/NDF : 31.1/27

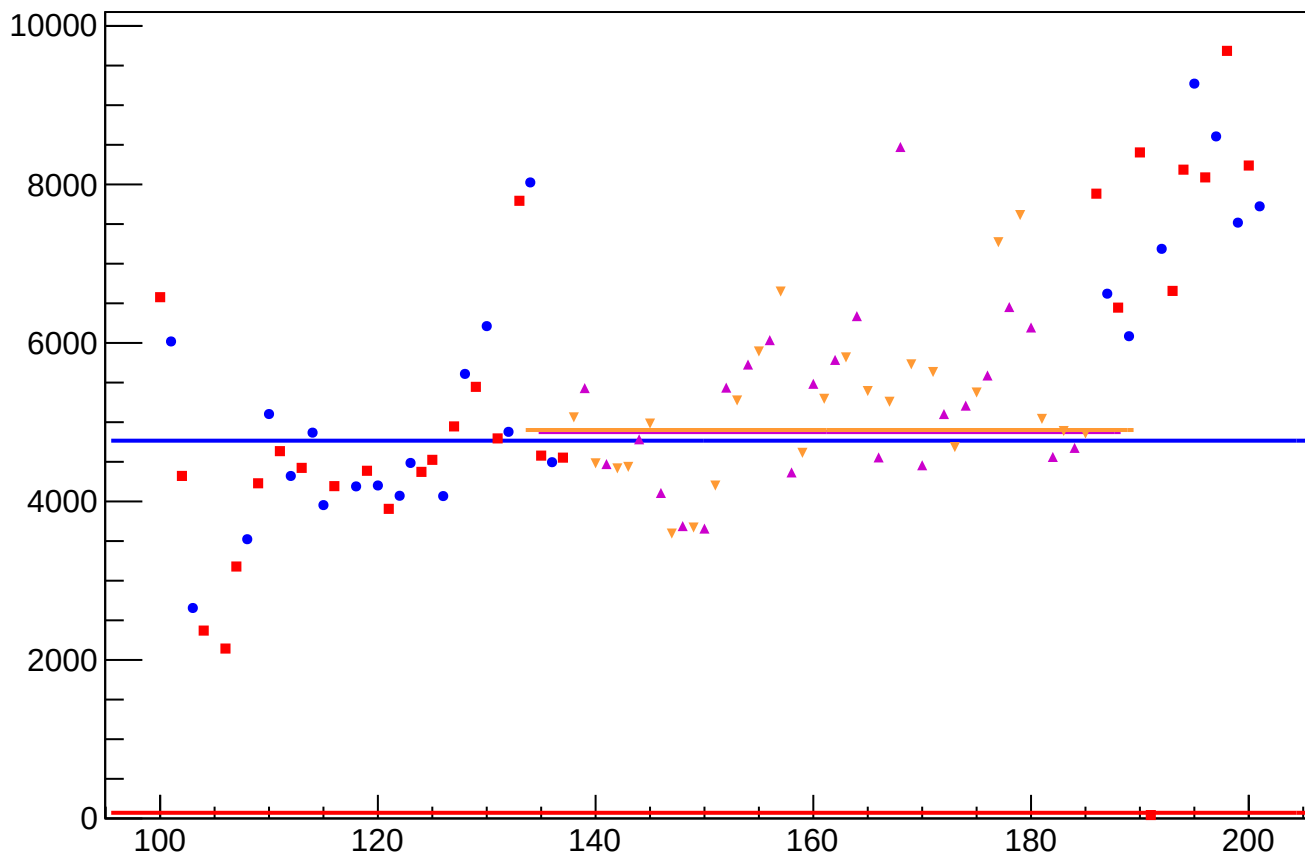
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -359.249 ± 921.895 χ^2/NDF : 52.5/48

All: 93.720 ± 108.367 χ^2/NDF : 98.5/99

- sign 100.066 ± 109.124 χ^2/NDF : 45.8/50

asym_atr_avg_correction_rms vs Slug



Right In: 4766.777+/-1.065 χ^2 /NDF: 2509896.8/23

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

Right Out: 71.508+/-0.077 χ^2 /NDF: 24413890.0/27

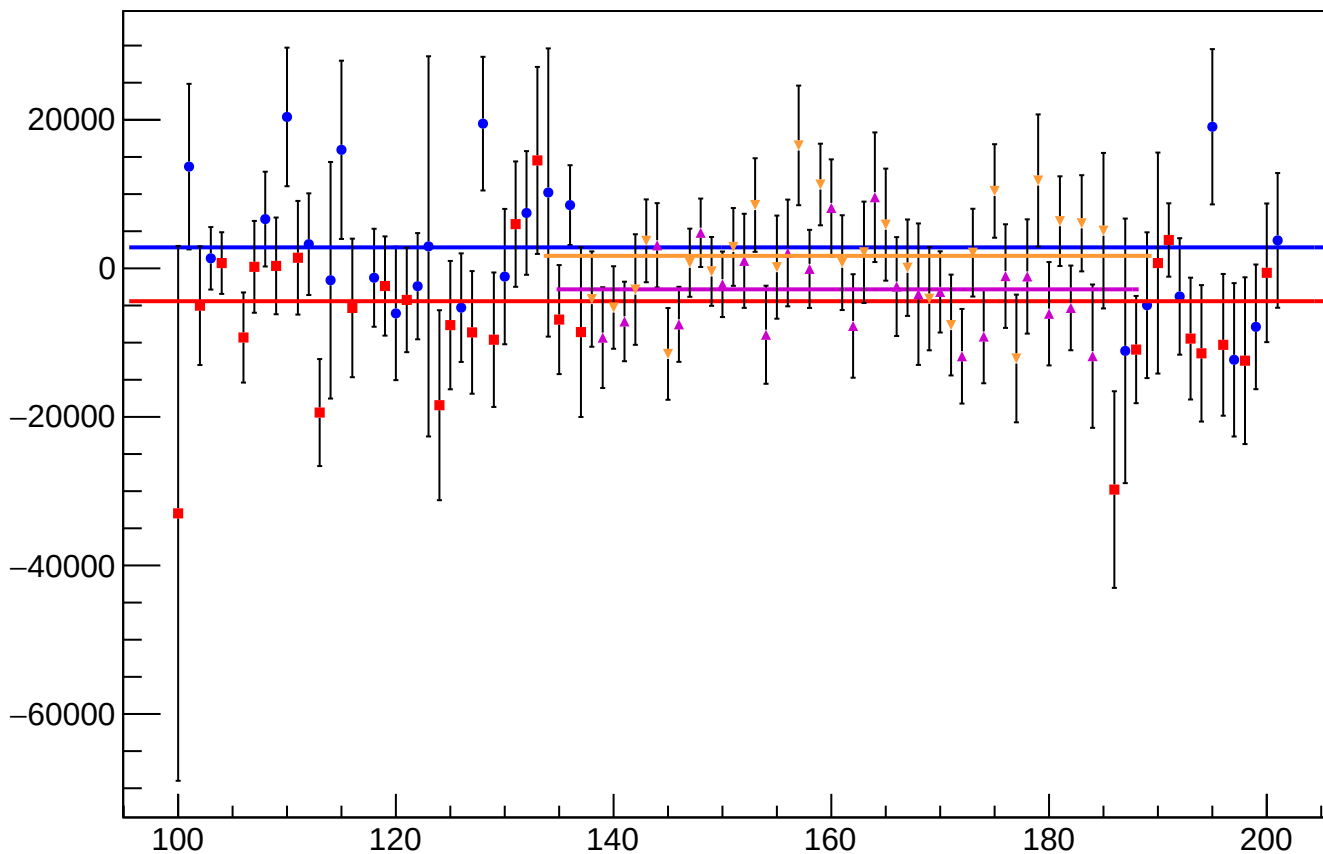
Left In: 4875.112+/-0.842 χ^2 /NDF:1229198.0/22

+ sign 4850.929+/-0.652 χ^2 /NDF: 3656799.1/48

All: 177.324+/-0.077 χ^2 /NDF: 113688082.7/50

- sign 111.841+/-0.077 χ^2 /NDF: 57910166.7/50

asym_atr_avg_mean vs Slug



Right In: 2827.474 $\pm$ 1669.574 χ^2 /NDF: 22.7/23

Left Out: 1686.531 $\pm$ 1261.650 χ^2 /NDF: 25.4/24

Right Out: -4421.751 $\pm$ 1470.882 χ^2 /NDF: 24.3/27

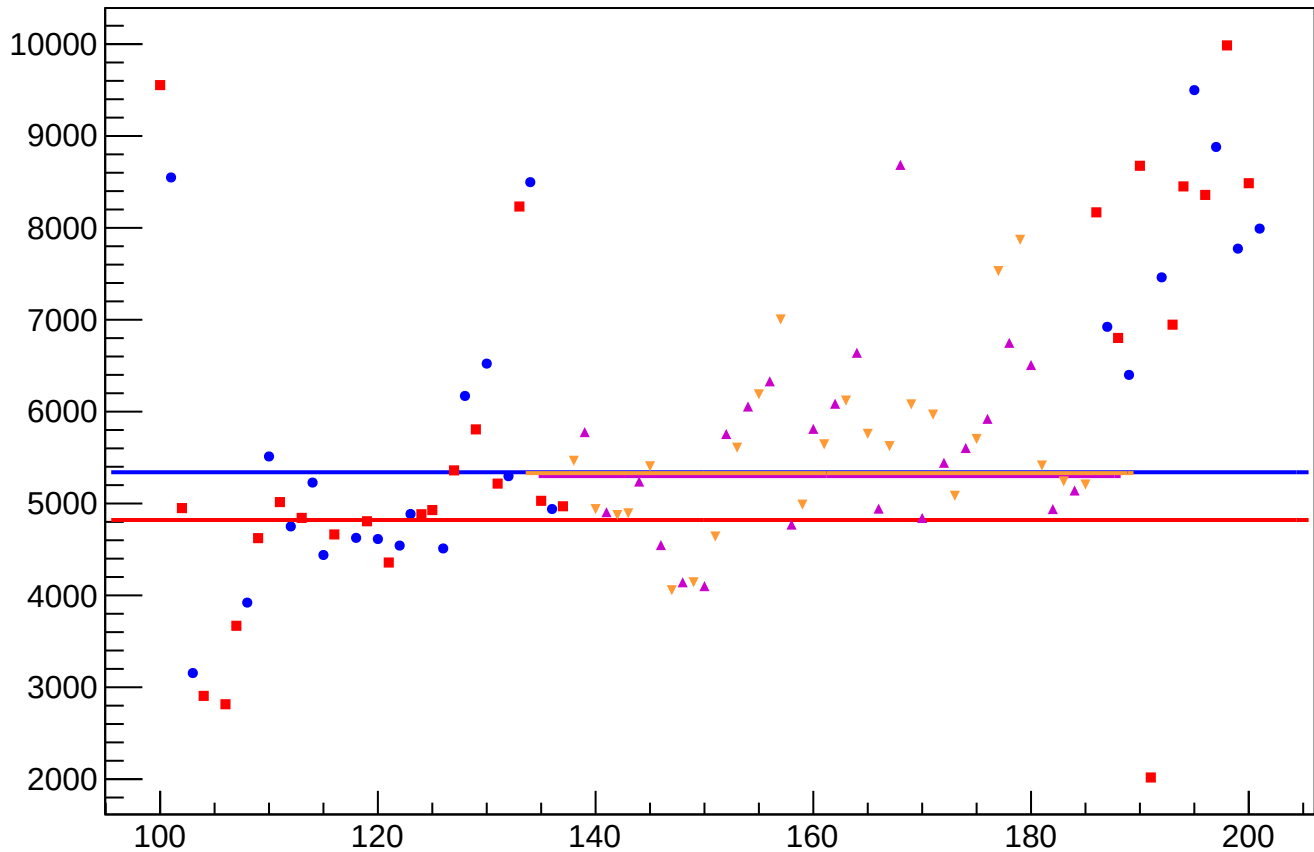
Left In: -2824.078 $\pm$ 1288.414 χ^2 /NDF: 18.0/22

+ sign 2101.240 $\pm$ 1006.573 χ^2 /NDF: 48.4/48

All: -814.560 $\pm$ 698.157 χ^2 /NDF: 107.6/99

- sign -3517.723 $\pm$ 969.176 χ^2 /NDF: 43.0/50

asym_atr_avg_rms vs Slug



Right In: 5340.146+/-1.181 χ^2/NDF : 2109698.6/23

Left Out: 5330.725+/-0.892 χ^2/NDF : 868061.7/24

Right Out: 4820.487+/-1.036 χ^2/NDF : 3487378.5/27

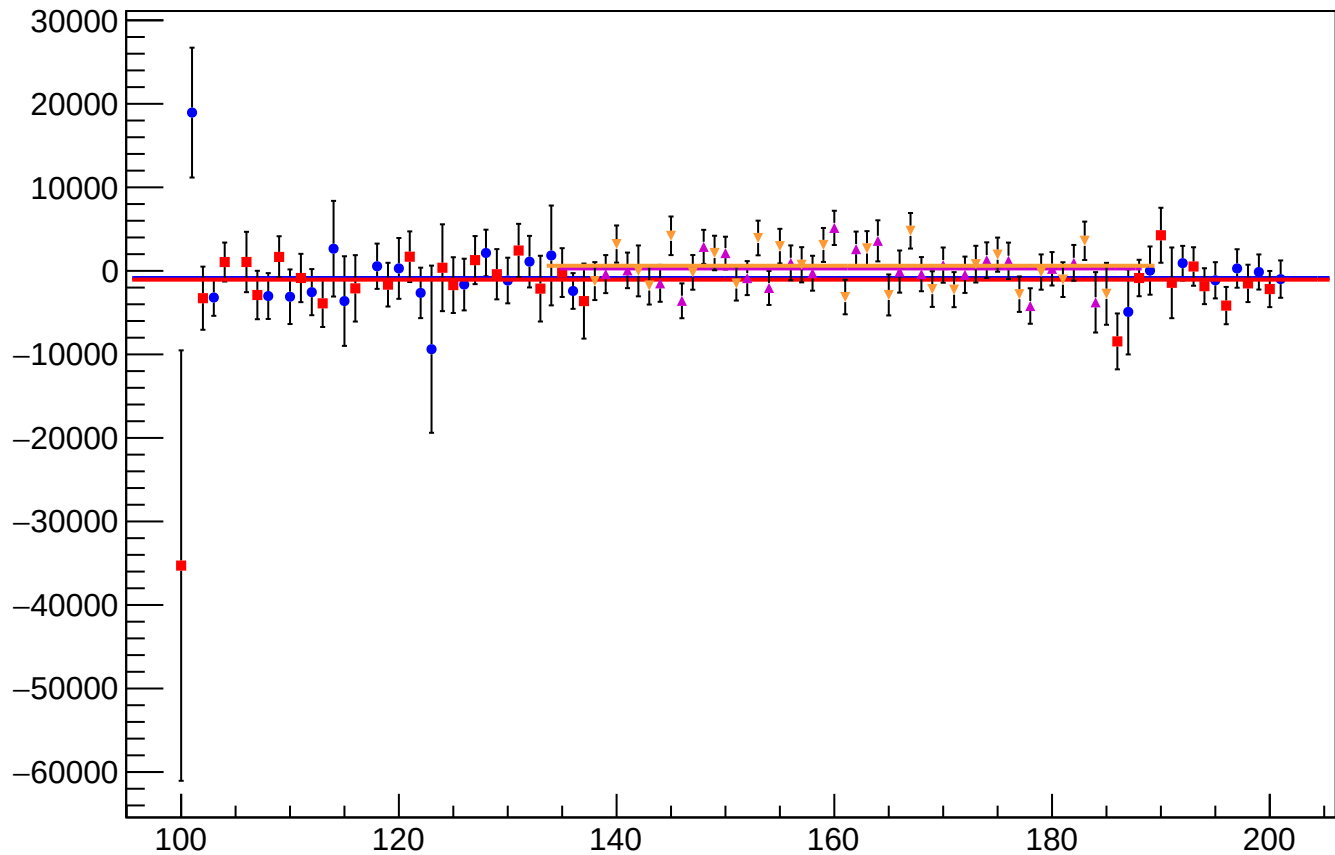
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5334.149+/-0.712 χ^2/NDF : 2977800.8/48

All: 5207.168+/-0.493 χ^2/NDF : 7602436.1/99

- sign 5089.879+/-0.684 χ^2/NDF : 4563407.4/50

reg_asym_atr_dd_mean vs Slug



Right In: -857.000 ± 585.515 χ^2/NDF : 15.4/23

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -1051.364 ± 547.989 χ^2/NDF : 19.7/27

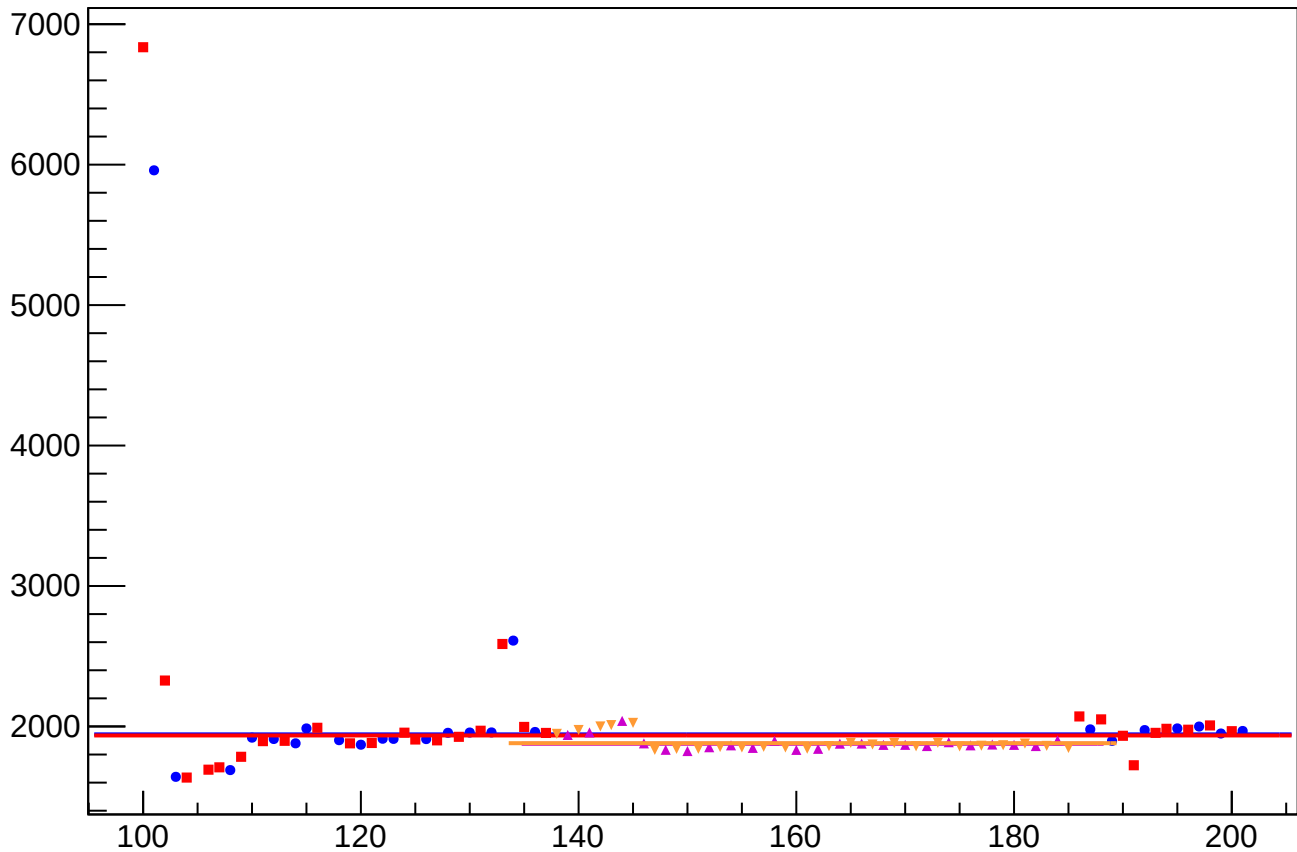
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign 84.707 ± 350.862 χ^2/NDF : 52.1/48

All: -83.127 ± 246.926 χ^2/NDF : 99.5/99

- sign -247.828 ± 347.572 χ^2/NDF : 46.9/50

reg_asym_atr_dd_rms vs Slug



Right In: 1943.582 $\pm$ 0.414 χ^2 /NDF: 620105.1/23

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1935.819 $\pm$ 0.387 χ^2 /NDF: 233773.7/27

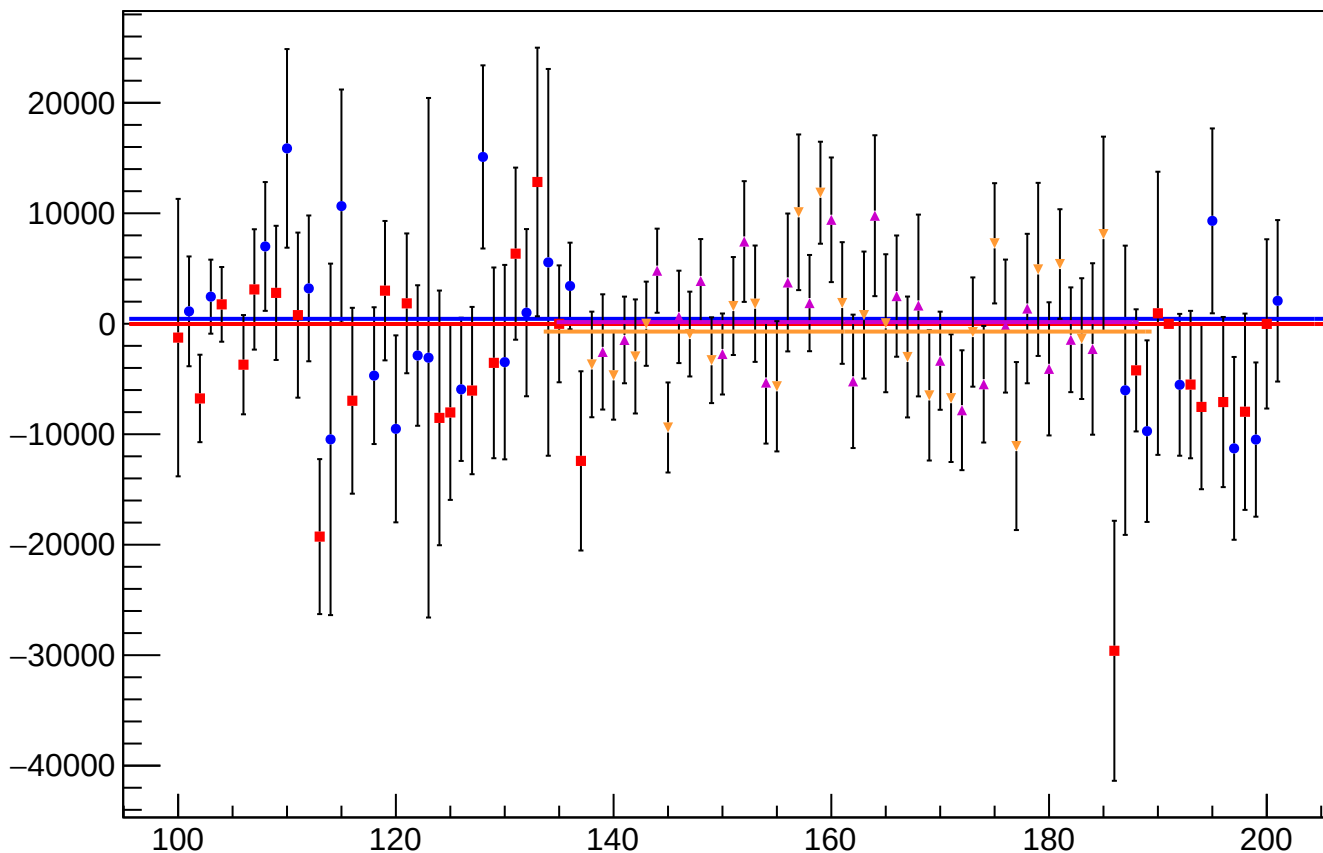
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1903.349 $\pm$ 0.248 χ^2 /NDF: 663494.4/48

All: 1901.916 $\pm$ 0.175 χ^2 /NDF: 931775.6/99

- sign 1900.511 $\pm$ 0.246 χ^2 /NDF: 268215.1/50

asym_atr_dd_correction_mean vs Slug



Right In: 444.453 ± 1381.500 χ^2/NDF : 21.8/23

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

Right Out: -22.399 ± 85.814 χ^2/NDF : 29.7/27

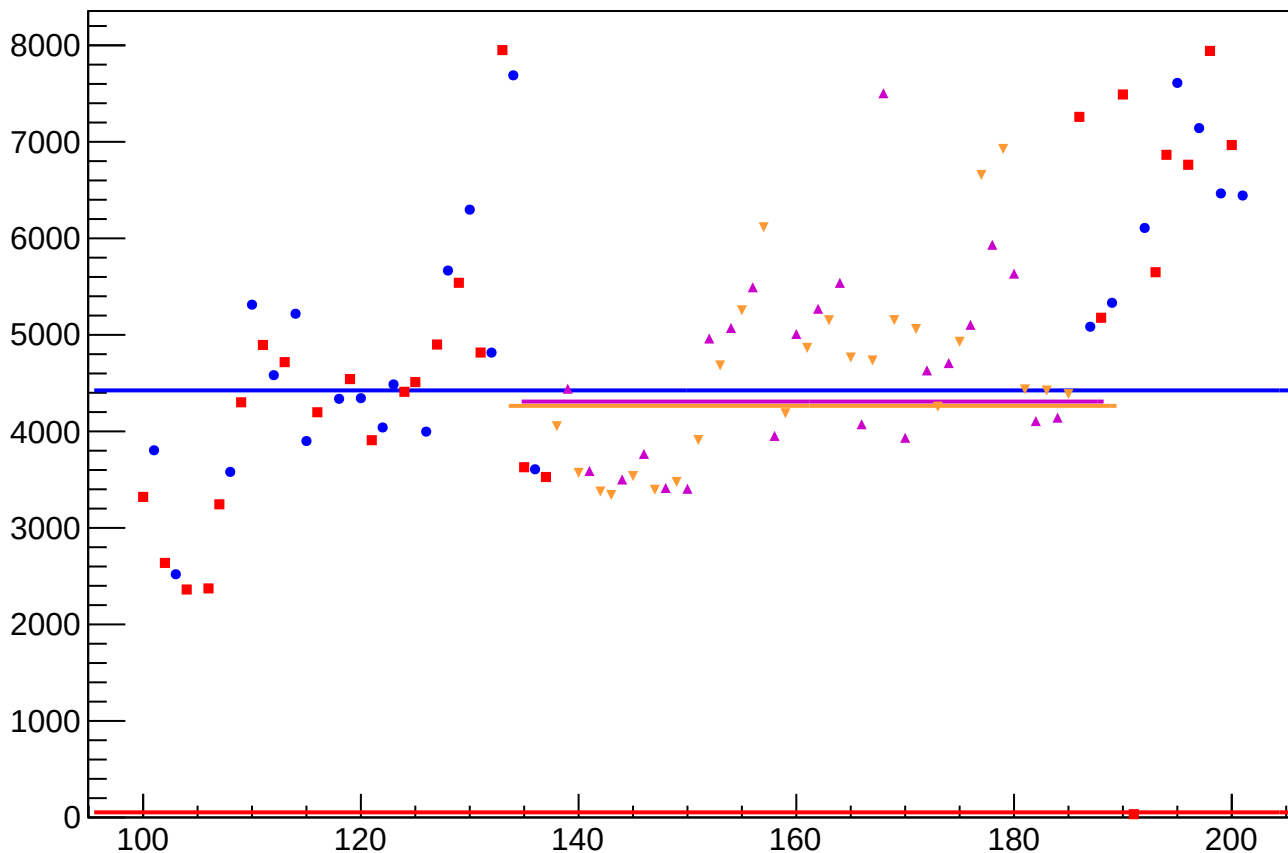
Left In: 150.495 ± 1053.655 χ^2/NDF : 16.9/22

+ sign -302.448 ± 819.385 χ^2/NDF : 49.3/48

All: -24.290 ± 85.068 χ^2/NDF : 96.1/99

- sign -21.260 ± 85.530 χ^2/NDF : 46.6/50

asym_atr_dd_correction_rms vs Slug



Right In: 4424.580+/-0.977 χ^2/NDF : 2060270.8/23

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 52.908+/-0.061 χ^2/NDF : 24551018.0/27

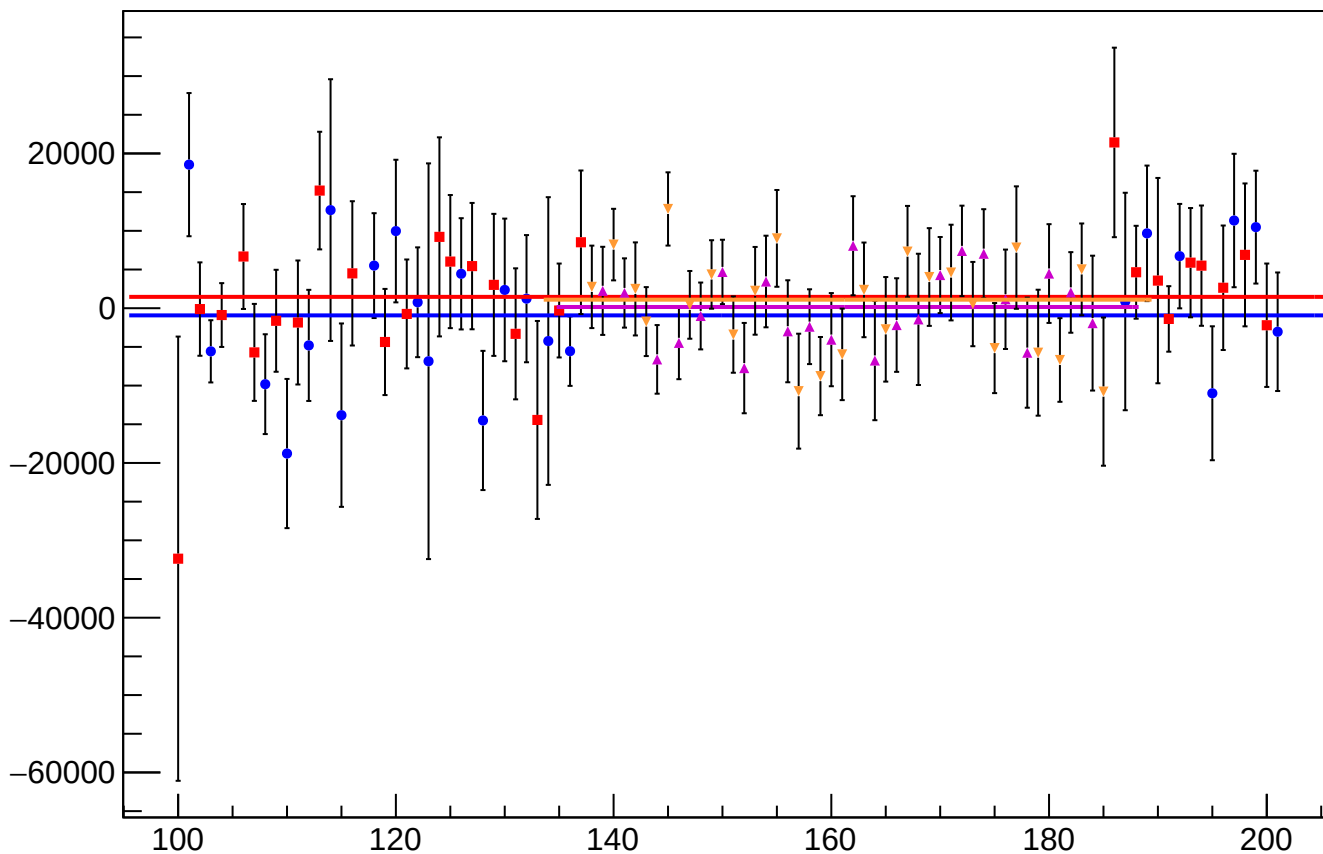
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4320.770+/-0.579 χ^2/NDF : 3432593.2/48

All: 126.653+/-0.060 χ^2/NDF : 114678452.8/9

- sign 80.954+/-0.060 χ^2/NDF : 58274482.1/50

asym_atr_dd_mean vs Slug



Right In: -926.621 ± 1567.889 $\chi^2/\text{NDF}: 28.4/23$

Left Out: 1102.204 ± 1126.663 $\chi^2/\text{NDF}: 28.6/24$

Right Out: 1466.710 ± 1381.204 $\chi^2/\text{NDF}: 16.4/27$

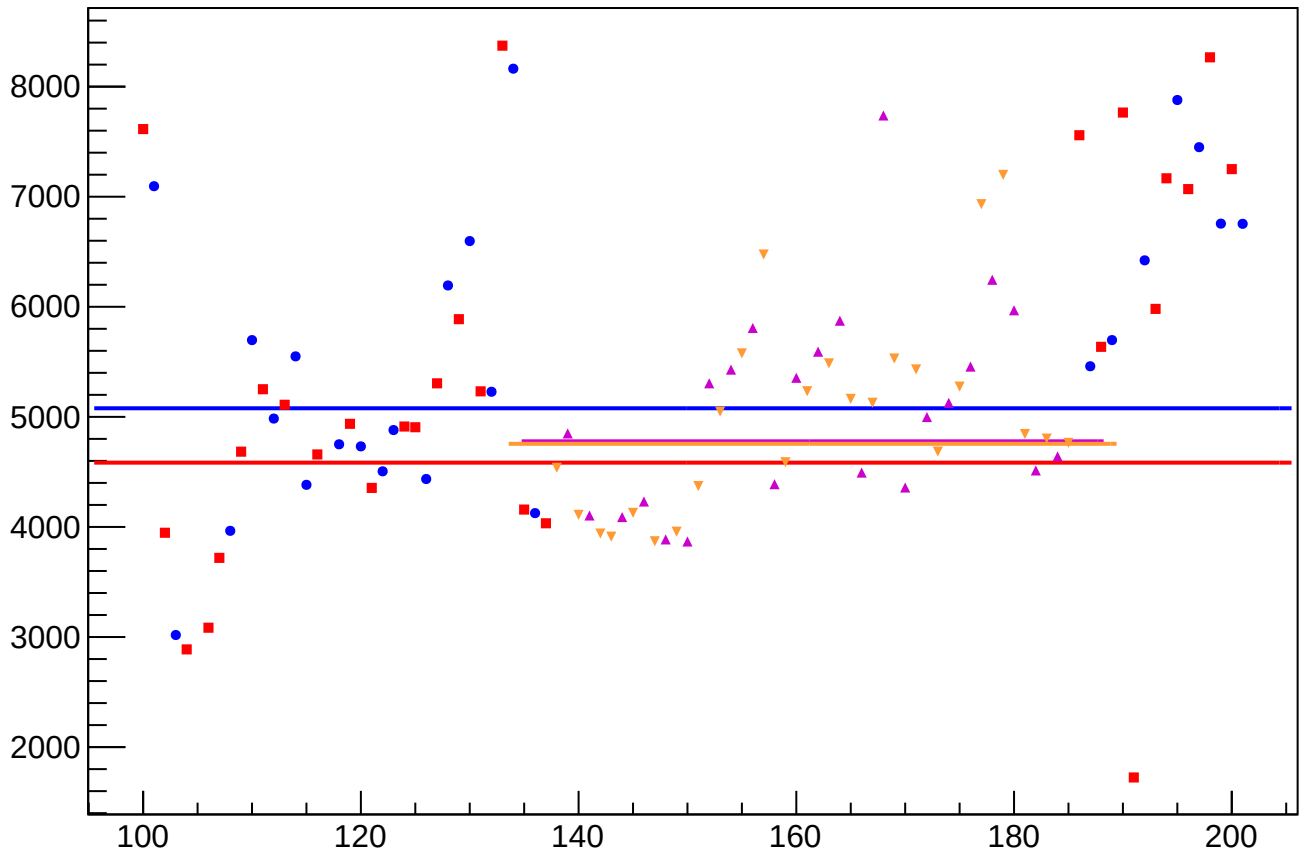
Left In: 158.683 ± 1161.507 $\chi^2/\text{NDF}: 15.5/22$

+ sign 411.331 ± 914.939 $\chi^2/\text{NDF}: 58.1/48$

All: 560.088 ± 637.576 $\chi^2/\text{NDF}: 90.6/99$

- sign 700.517 ± 888.961 $\chi^2/\text{NDF}: 32.4/50$

asym_atr_dd_rms vs Slug



Right In: 5078.104+/-1.109 χ^2/NDF : 1617110.2/23

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 4584.147+/-0.973 χ^2/NDF : 3070570.3/27

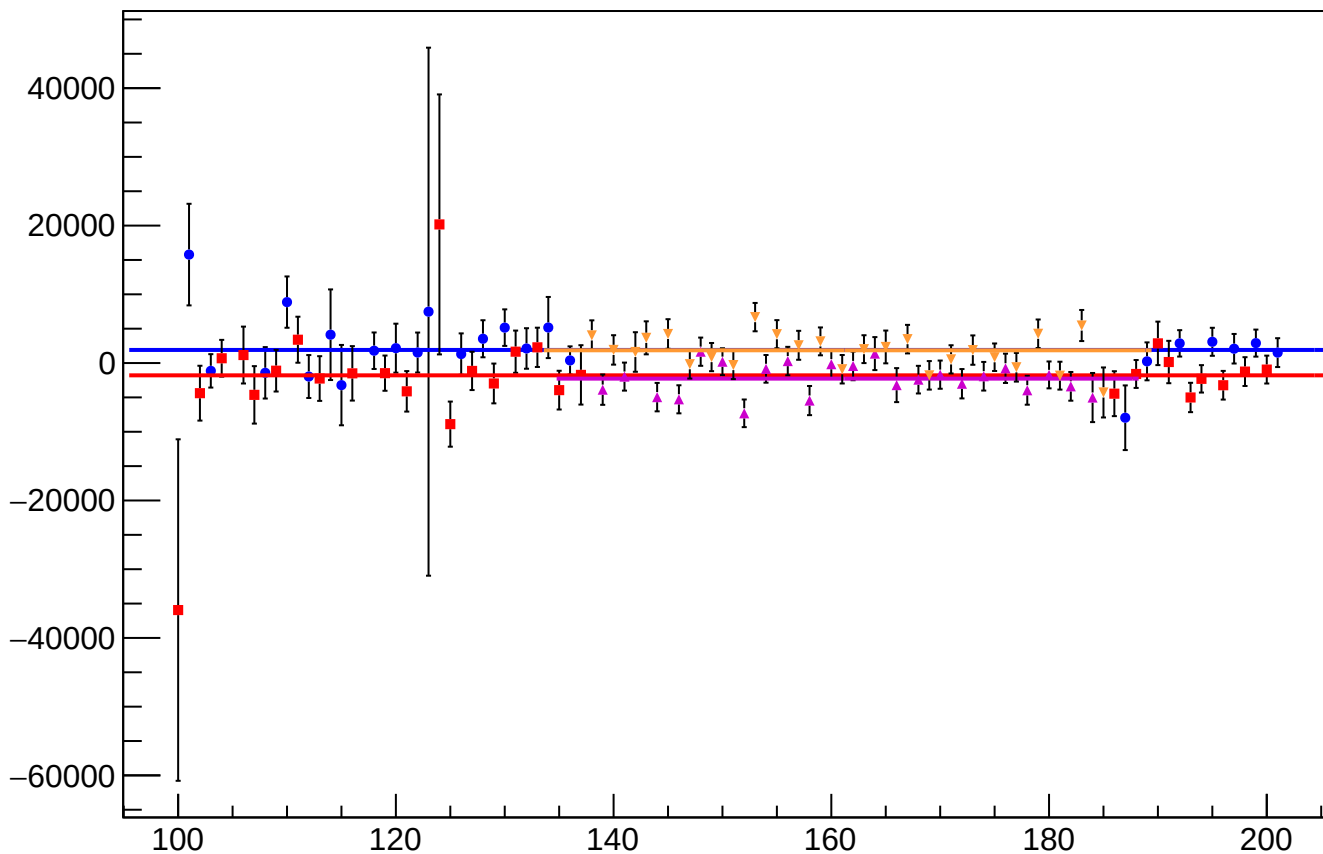
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4865.279+/-0.647 χ^2/NDF : 2626317.2/48

All: 4778.715+/-0.450 χ^2/NDF : 6705066.9/99

- sign 4697.250+/-0.628 χ^2/NDF : 4043998.9/50

reg_asym_at1_avg_mean vs Slug



Right In: 1905.497 ± 576.490 χ^2/NDF : 20.5/23

Left Out: 1856.570 ± 430.977 χ^2/NDF : 30.0/24

Right Out: -1789.226 ± 541.722 χ^2/NDF : 23.7/27

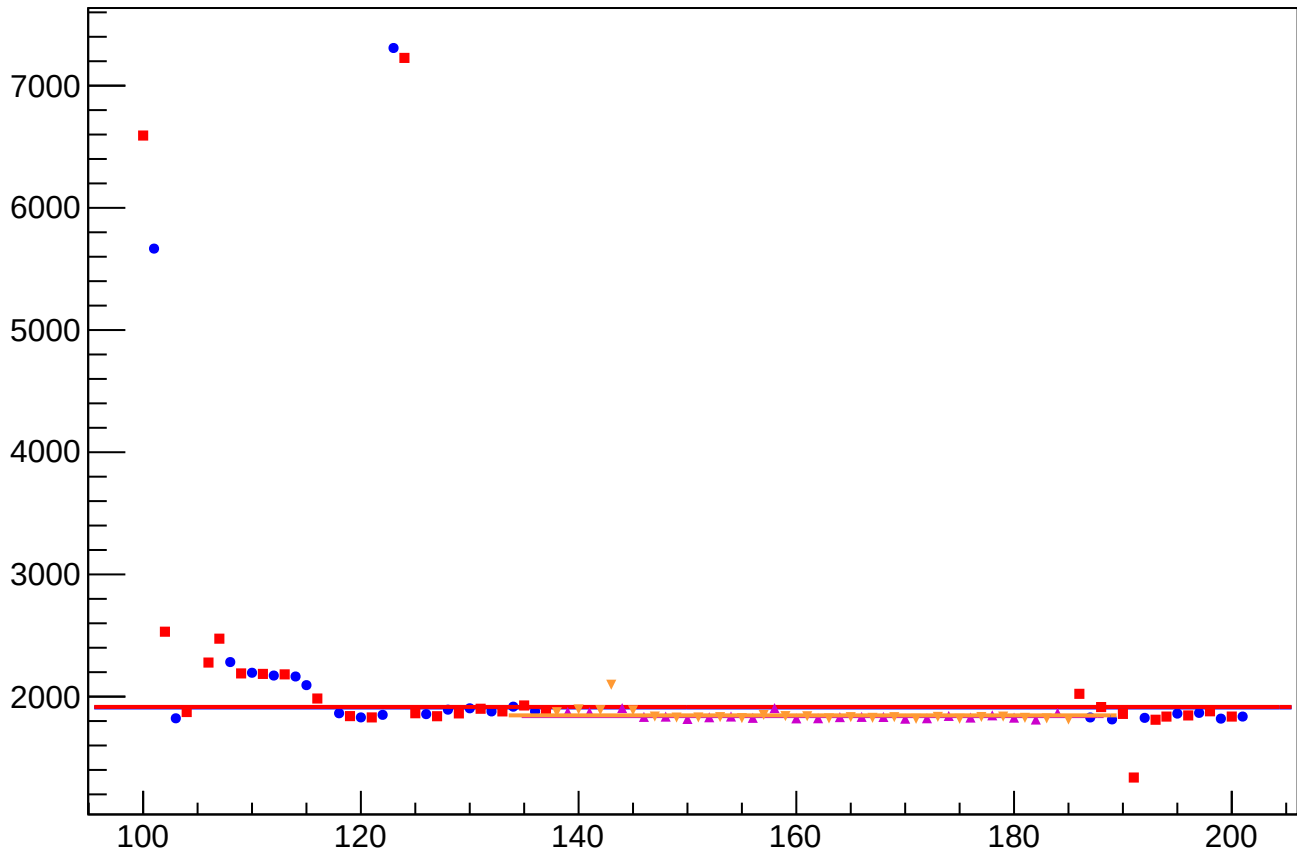
Left In: -2268.464 ± 441.710 χ^2/NDF : 26.9/22

+ sign 1874.111 ± 345.181 χ^2/NDF : 50.4/48

All: -117.843 ± 243.067 χ^2/NDF : 167.5/99

- sign -2077.083 ± 342.334 χ^2/NDF : 51.0/50

reg_asym_at1_avg_rms vs Slug



Right In: 1911.090+/-0.408 χ^2/NDF : 628491.6/23

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1915.716+/-0.383 χ^2/NDF : 464626.7/27

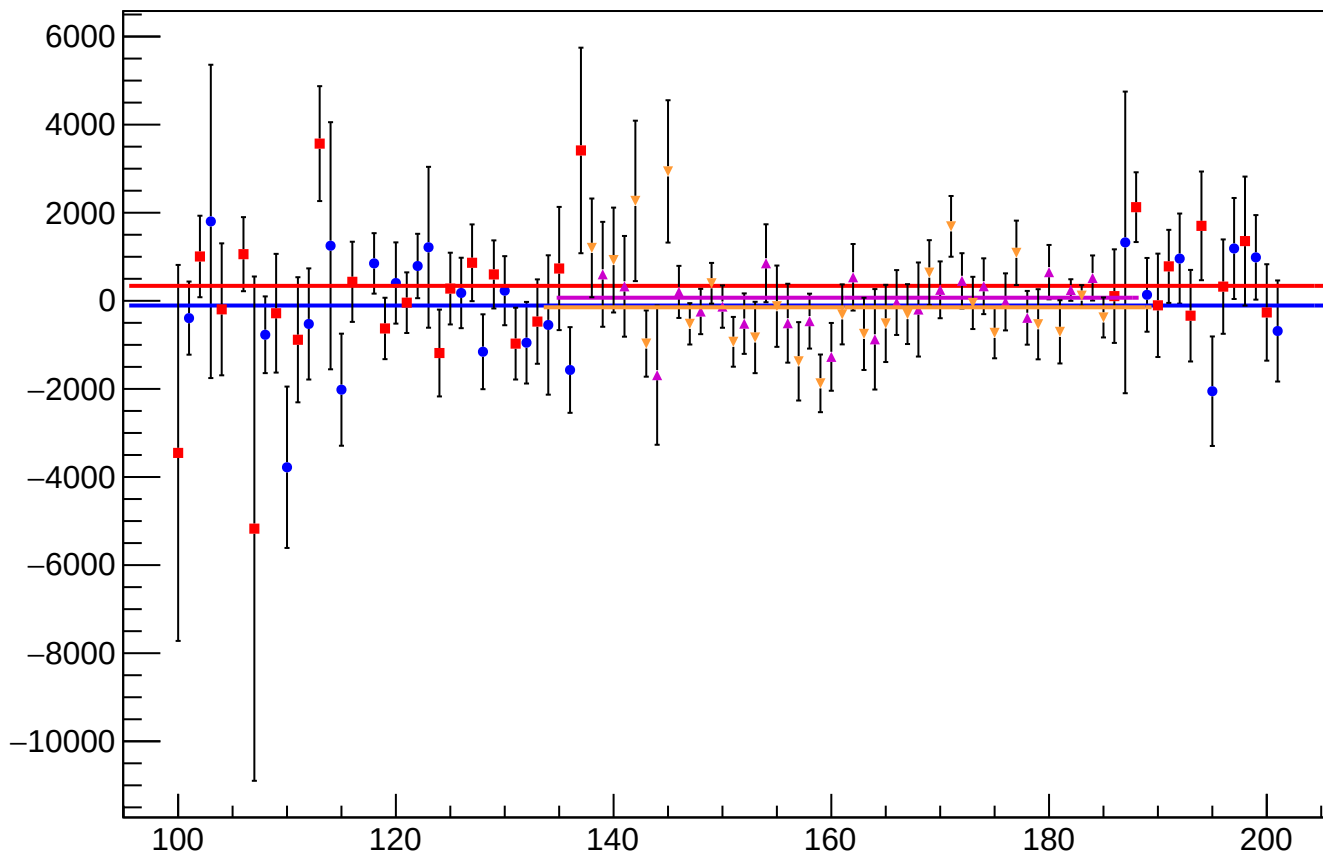
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1869.722+/-0.244 χ^2/NDF : 671848.6/48

All: 1870.145+/-0.172 χ^2/NDF : 1166354.9/99

- sign 1870.562+/-0.242 χ^2/NDF : 494500.3/50

asym_at1_avg_correction_mean vs Slug



Right In: -106.736+/-208.933 χ^2 /NDF: 23.5/23

Left Out: -146.999+/-121.984 χ^2 /NDF:37.7/24

Right Out: 339.856+/-191.185 χ^2 /NDF: 28.4/27

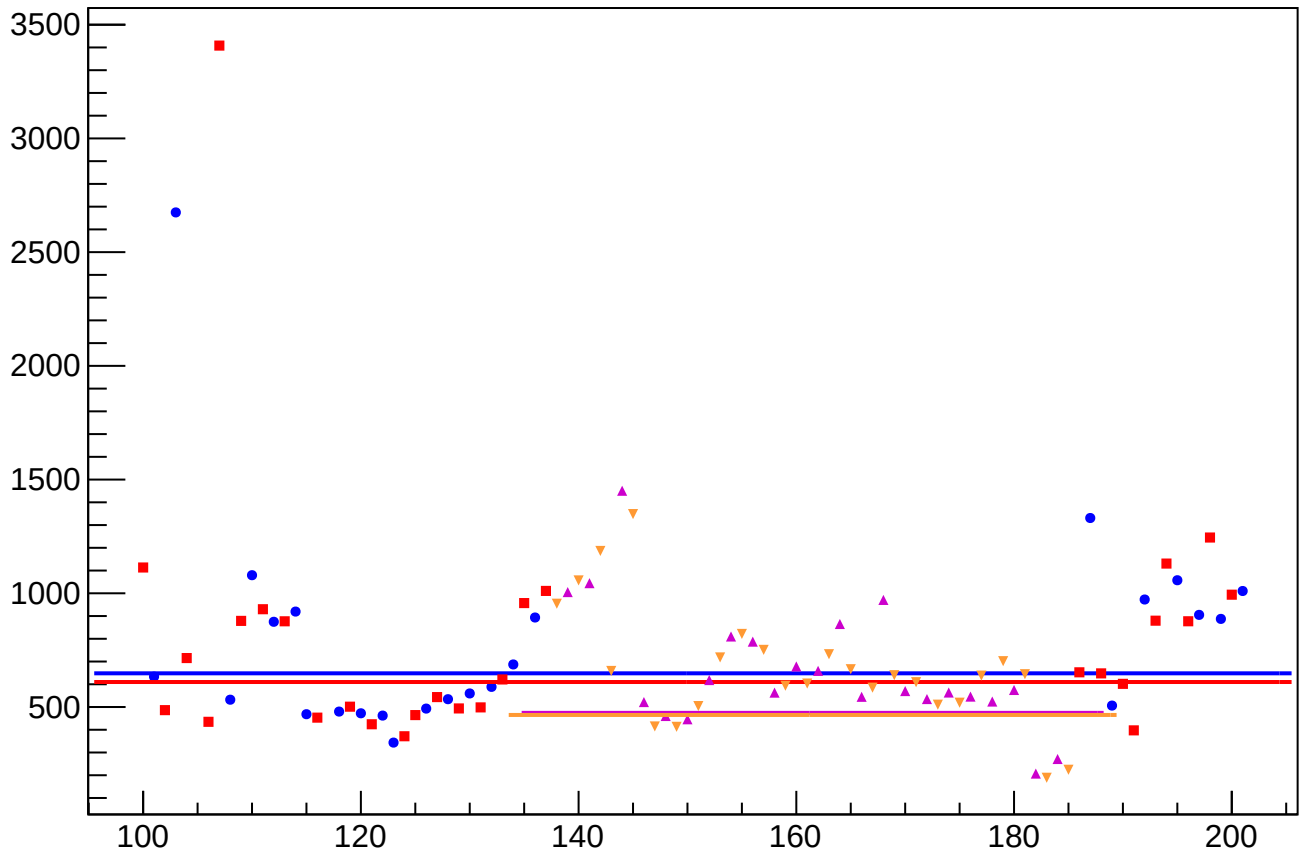
Left In: 70.340+/-126.373 χ^2 /NDF:12.3/22

+ sign -136.763+/-105.344 χ^2 /NDF: 61.2/48

All: 7.654+/-74.518 χ^2 /NDF: 107.1/99

- sign 152.291+/-105.424 χ^2 /NDF: 42.1/50

asym_at1_avg_correction_rms vs Slug



Right In: 648.138+/-0.148 χ^2/NDF : 2549637.0/23

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

Right Out: 609.916+/-0.135 χ^2/NDF : 2990824.4/27

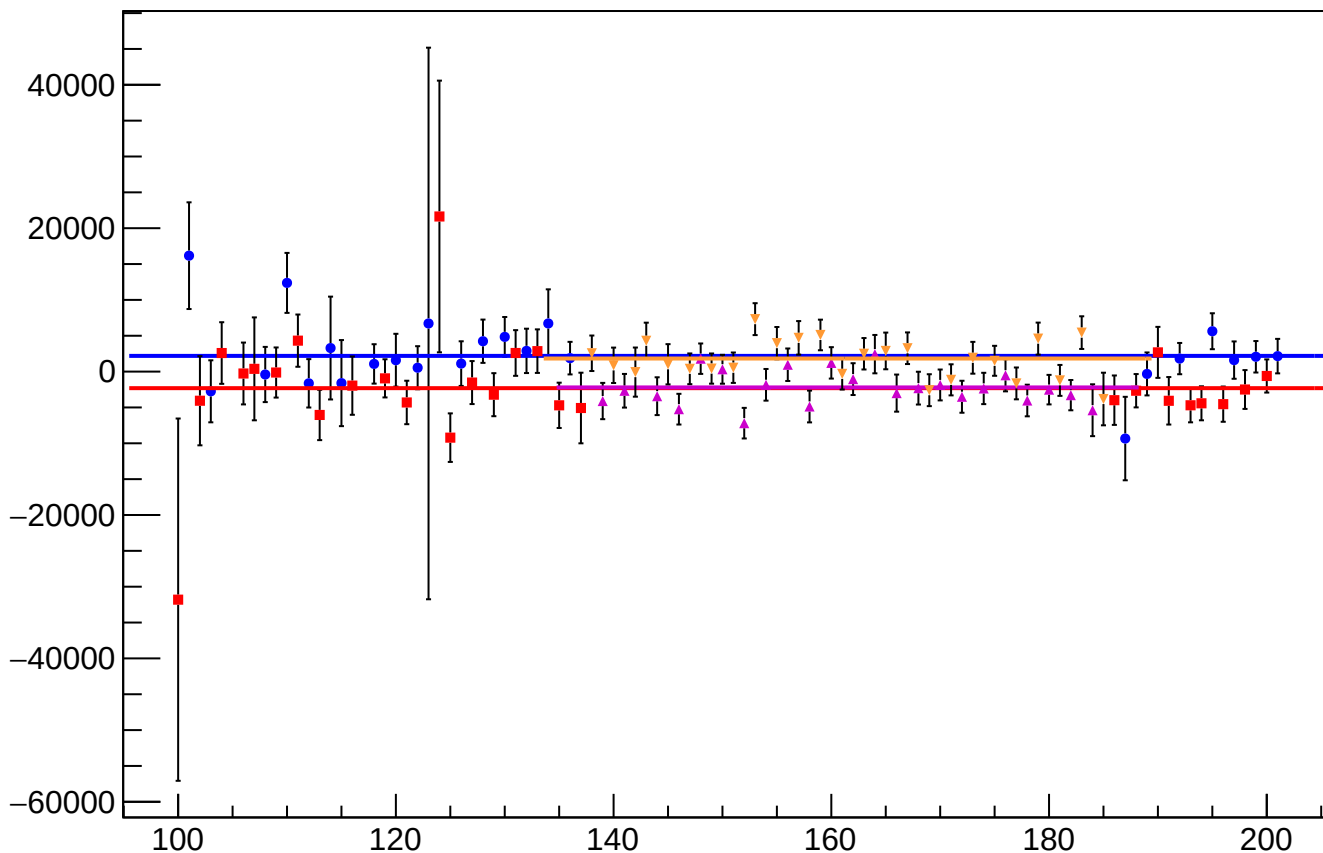
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 511.617+/-0.074 χ^2/NDF : 10780764.5/48

All: 513.562+/-0.053 χ^2/NDF : 20646787.1/99

- sign 515.510+/-0.075 χ^2/NDF : 9864657.3/50

asym_at1_avg_mean vs Slug



Right In: 2191.319+/-649.194 χ^2/NDF : 22.5/23

Left Out: 1824.066+/-462.694 χ^2/NDF :32.1/24

Right Out: -2310.607+/-614.576 χ^2/NDF : 26.4/27

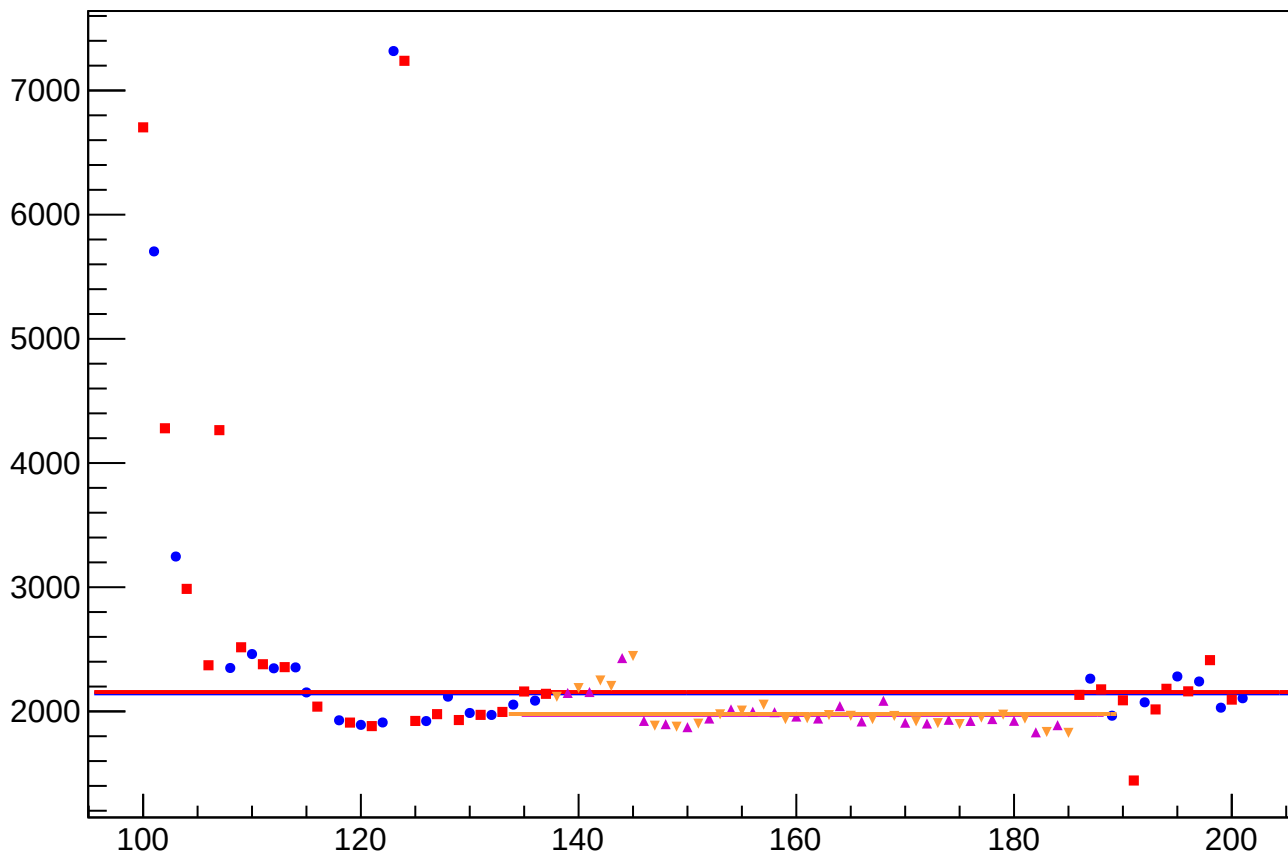
Left In: -2208.114+/-474.050 χ^2/NDF :25.3/22

+ sign 1947.778+/-376.788 χ^2/NDF : 54.8/48

All: -157.251+/-265.923 χ^2/NDF : 168.7/99

- sign -2246.347+/-375.360 χ^2/NDF : 51.8/50

asym_at1_avg_rms vs Slug



Right In: 2145.416 $\pm$ 0.459 χ^2 /NDF: 733782.7/23

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

Right Out: 2155.958 $\pm$ 0.435 χ^2 /NDF: 925104.6/27

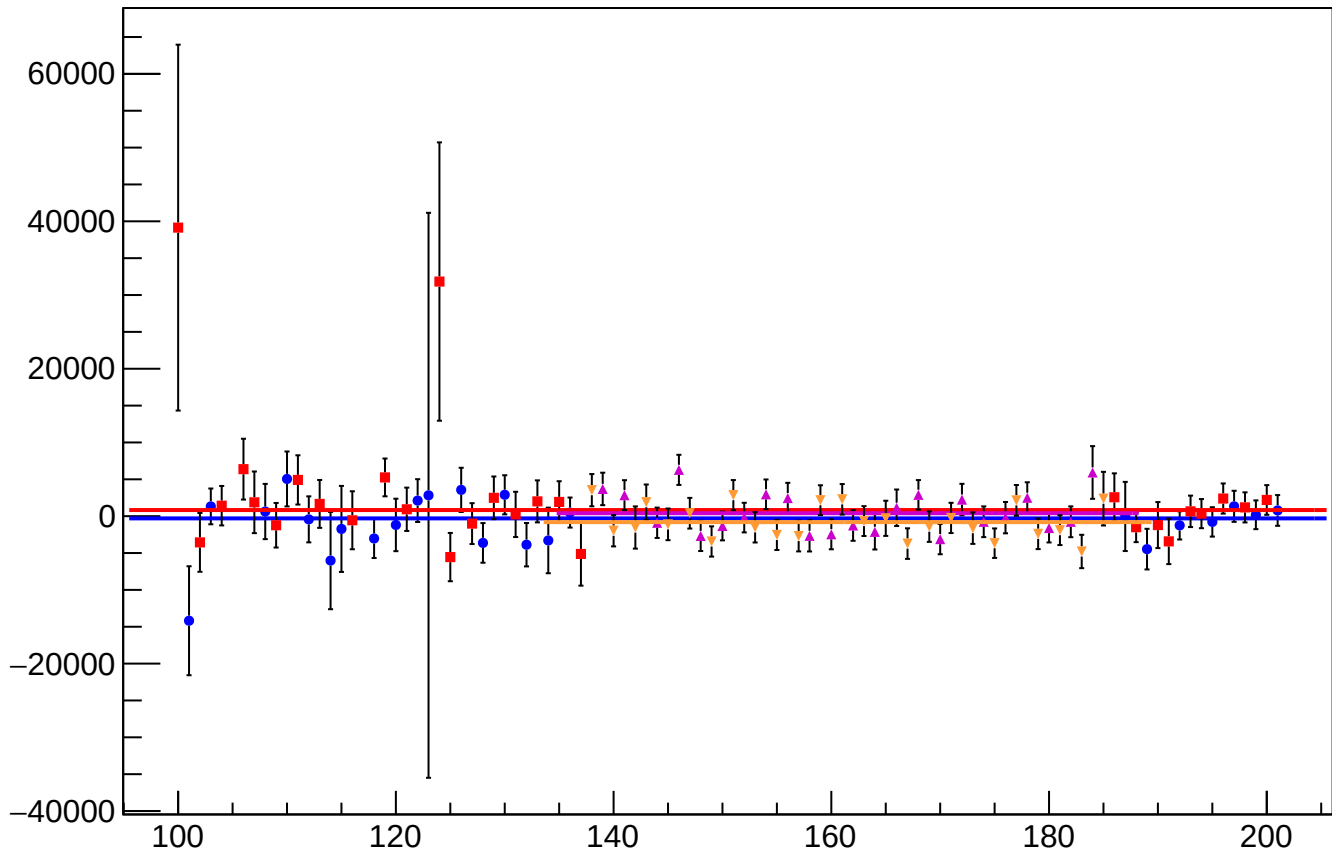
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2035.056 $\pm$ 0.266 χ^2 /NDF: 960237.2/48

All: 2037.902 $\pm$ 0.188 χ^2 /NDF: 2114166.2/99

- sign 2040.726 $\pm$ 0.265 χ^2 /NDF: 1153701.6/50

reg_asym_at1_dd_mean vs Slug



Right In: -300.642 ± 573.055 χ^2/NDF : 19.0/23

Left Out: -808.436 ± 430.304 χ^2/NDF : 27.9/24

Right Out: 830.324 ± 538.253 χ^2/NDF : 25.3/27

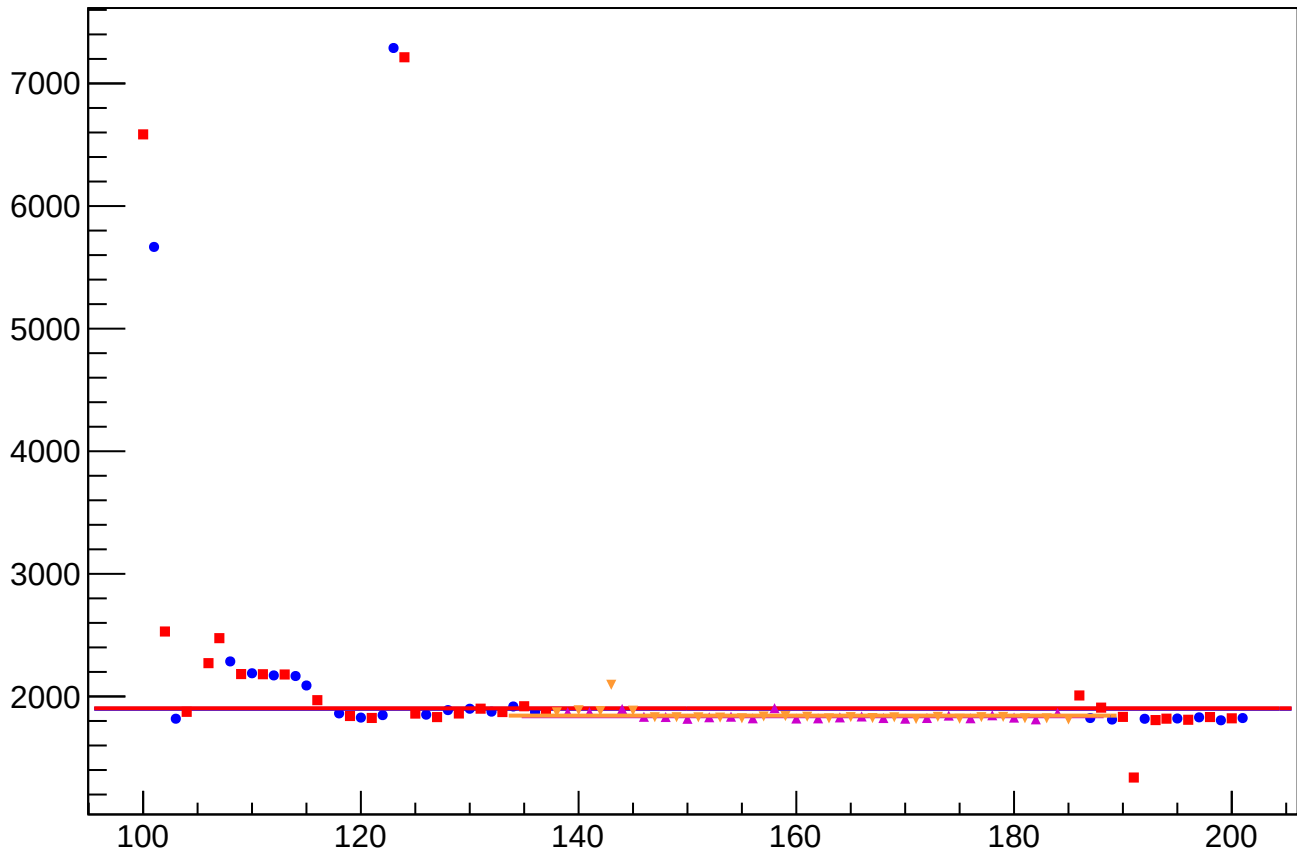
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -625.351 ± 344.095 χ^2/NDF : 47.4/48

All: -21.566 ± 242.296 χ^2/NDF : 113.6/99

- sign 572.238 ± 341.239 χ^2/NDF : 60.0/50

reg_asym_at1_dd_rms vs Slug



Right In: 1899.328+/-0.405 χ^2/NDF : 636951.9/23

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1903.230+/-0.381 χ^2/NDF : 471132.0/27

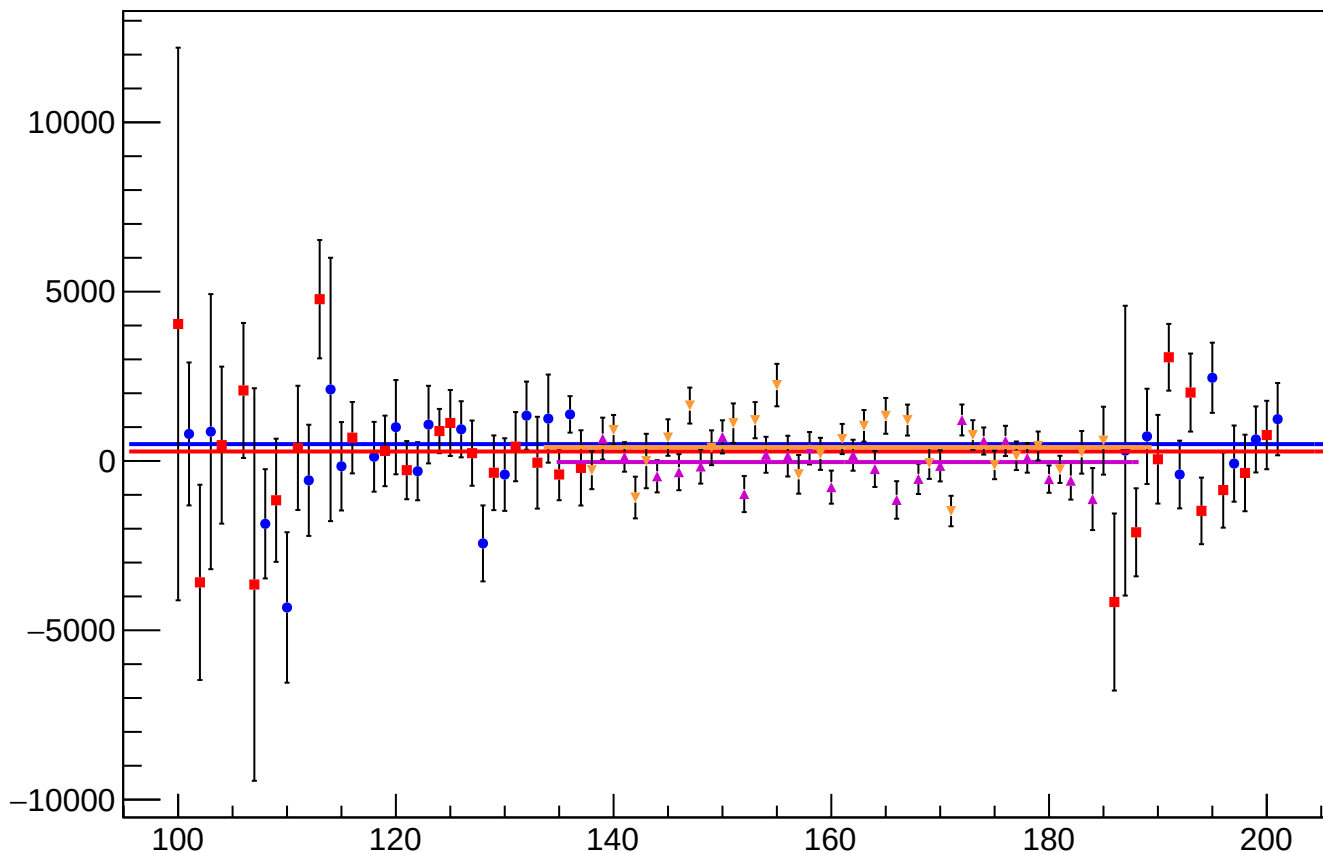
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1863.787+/-0.243 χ^2/NDF : 675850.5/48

All: 1864.188+/-0.171 χ^2/NDF : 1170562.5/99

- sign 1864.583+/-0.241 χ^2/NDF : 494706.6/50

asym_at1_dd_correction_mean vs Slug



Right In: 497.309 $\pm$ 230.433 χ^2 /NDF: 25.8/23

Left Out: 411.072 $\pm$ 100.456 χ^2 /NDF: 61.2/24

Right Out: 280.494 $\pm$ 219.511 χ^2 /NDF: 35.4/27

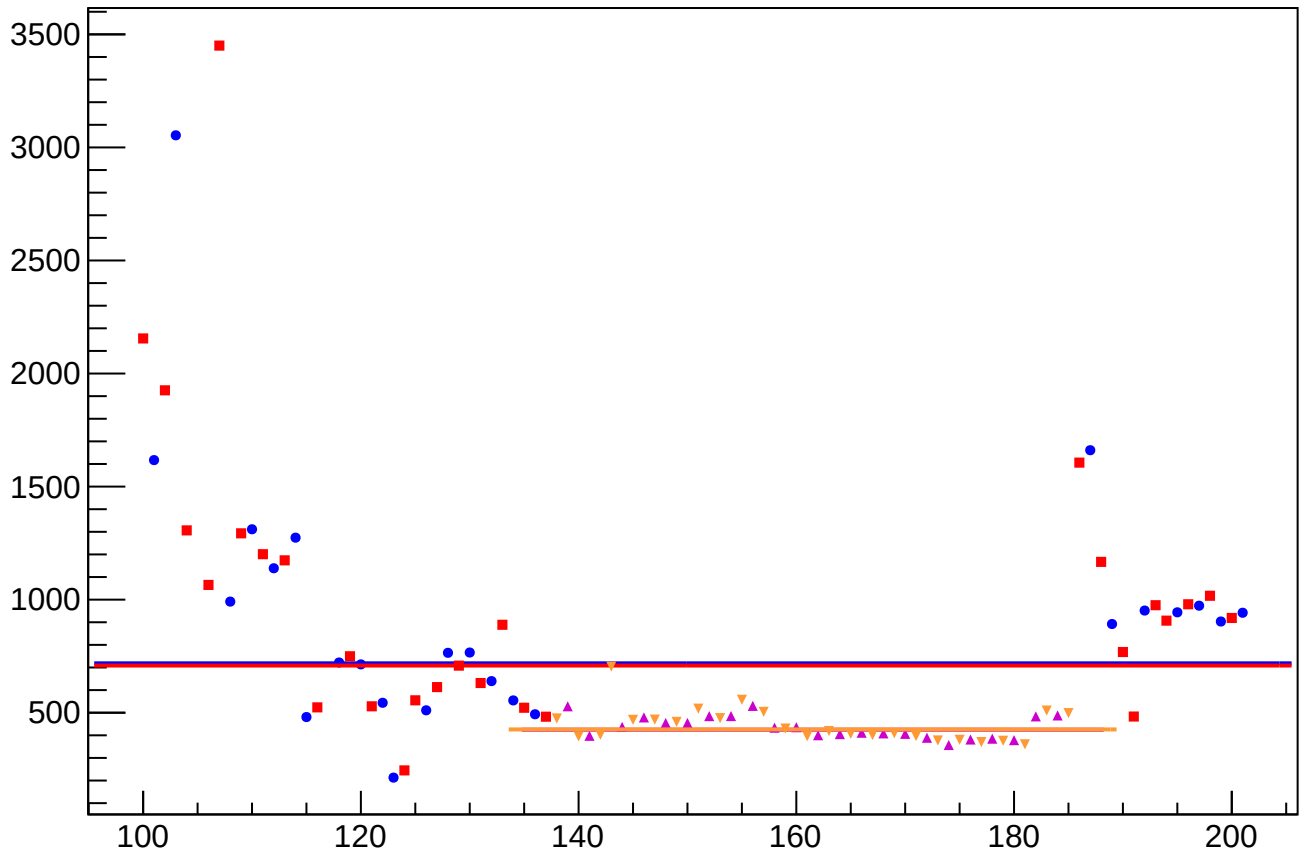
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 424.844 $\pm$ 92.086 χ^2 /NDF: 87.1/48

All: 225.715 $\pm$ 65.366 χ^2 /NDF: 166.3/99

- sign 23.478 $\pm$ 92.802 χ^2 /NDF: 69.8/50

asym_at1_dd_correction_rms vs Slug



Right In: 718.332 $\pm$ 0.163 χ^2 /NDF: 3054917.0/23

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 708.646 $\pm$ 0.155 χ^2 /NDF: 4172696.8/27

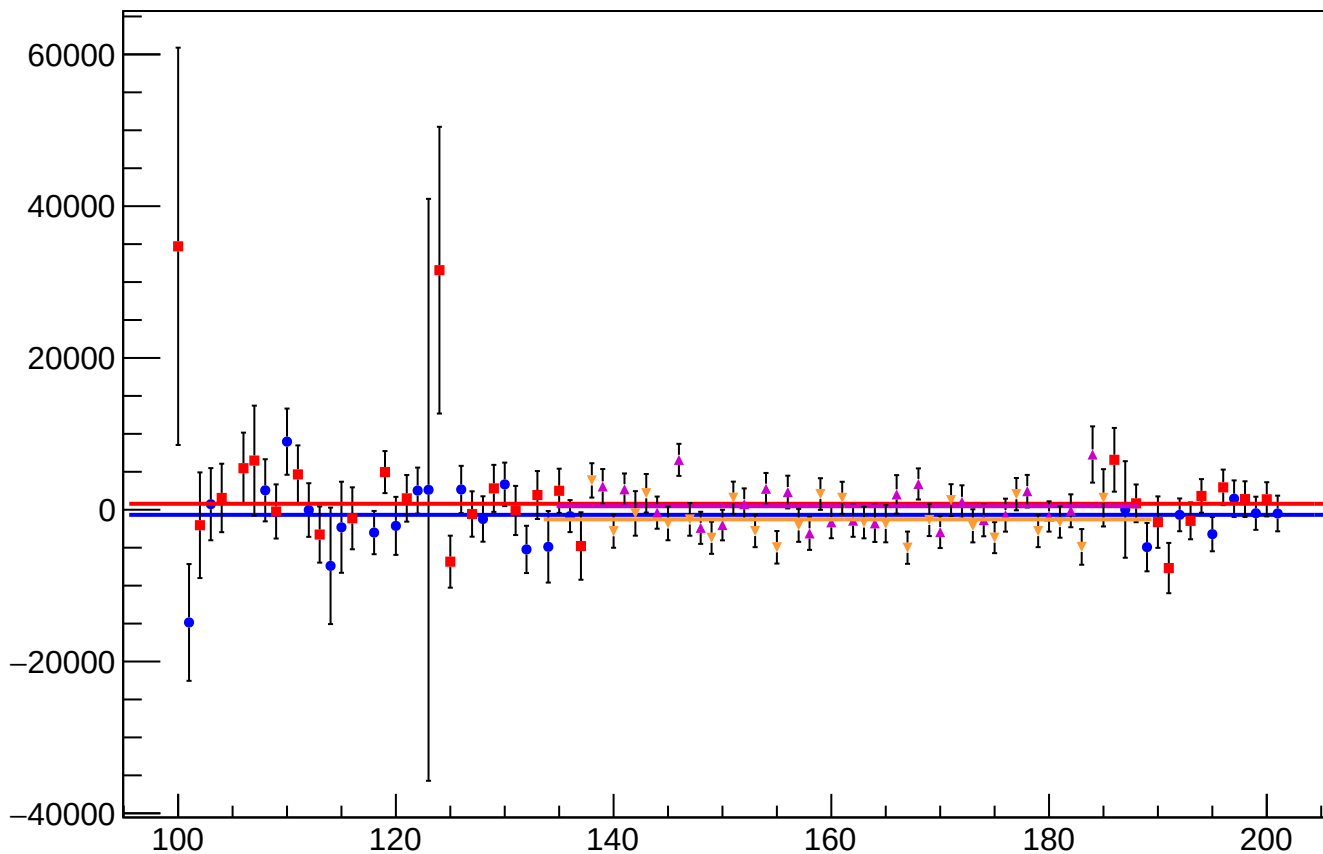
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 472.708 $\pm$ 0.065 χ^2 /NDF: 6492250.3/48

All: 474.043 $\pm$ 0.046 χ^2 /NDF: 13806958.1/99

- sign 475.400 $\pm$ 0.066 χ^2 /NDF: 7313859.9/50

asym_at1_dd_mean vs Slug



Right In: -671.811 ± 644.928 χ^2/NDF : 21.8/23

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 785.736 ± 614.171 χ^2/NDF : 29.7/27

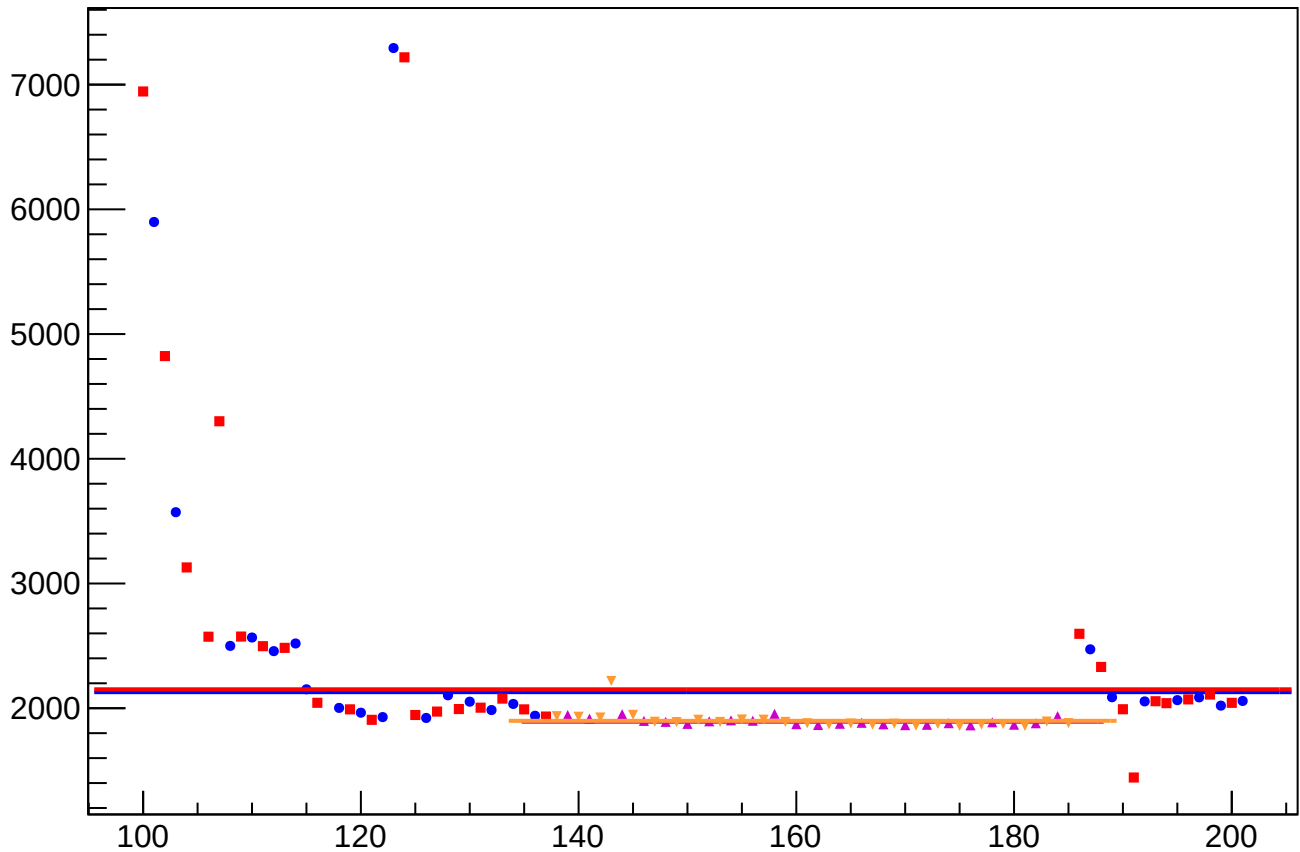
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1076.672 ± 365.276 χ^2/NDF : 53.1/48

All: -249.455 ± 258.211 χ^2/NDF : 125.9/99

- sign 576.762 ± 365.055 χ^2/NDF : 62.5/50

asym_at1_dd_rms vs Slug



Right In: 2128.712 $\pm$ 0.456 χ^2 /NDF: 824980.2/23

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2151.739 $\pm$ 0.434 χ^2 /NDF: 1053493.7/27

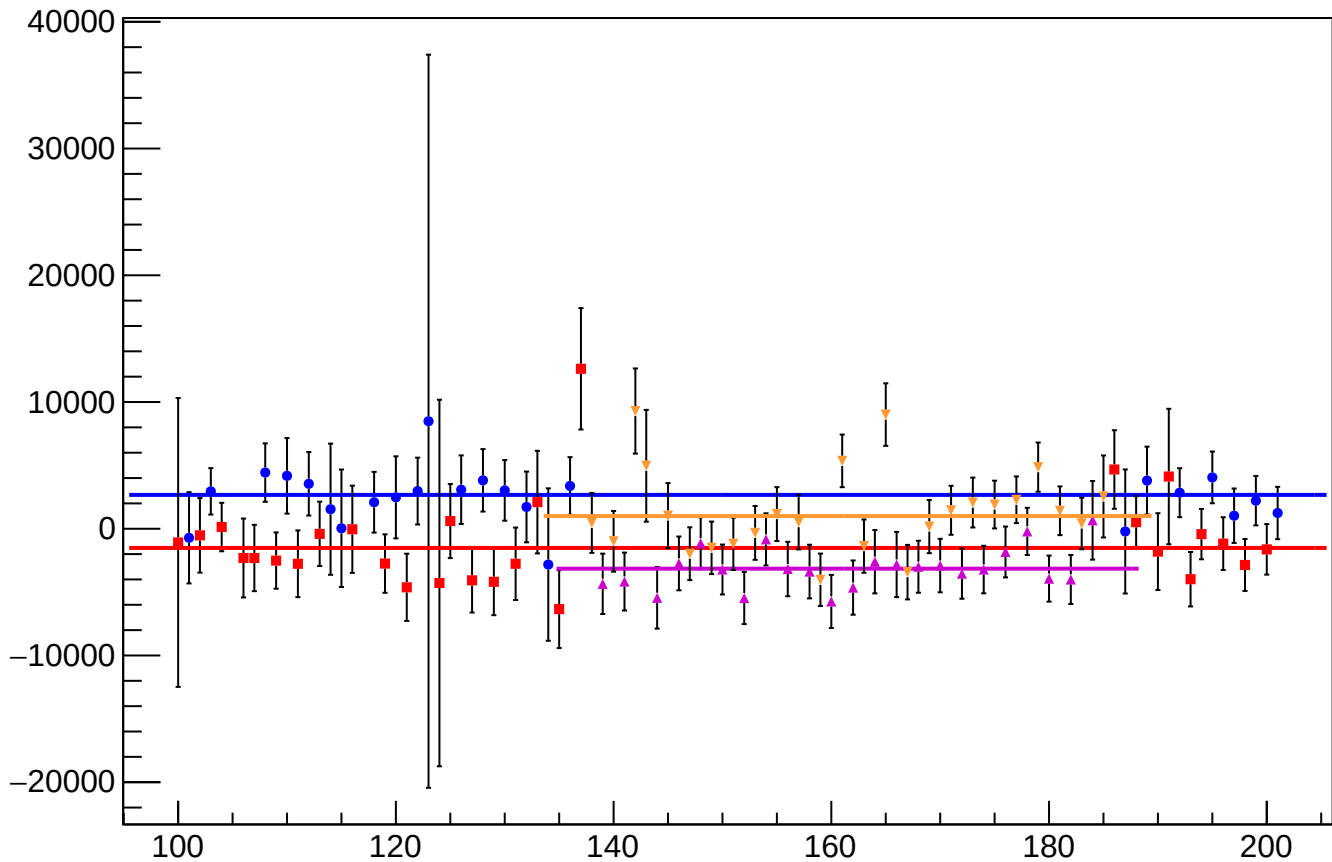
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1972.663 $\pm$ 0.258 χ^2 /NDF: 1036056.6/48

All: 1978.118 $\pm$ 0.183 χ^2 /NDF: 2329740.9/99

- sign 1983.566 $\pm$ 0.258 χ^2 /NDF: 1292792.8/50

reg_asym_at2_avg_mean vs Slug



Right In: 2671.477 ± 529.707 χ^2/NDF : 5.8/23

Left Out: 1001.263 ± 435.247 χ^2/NDF : 44.6/24

Right Out: -1513.607 ± 500.479 χ^2/NDF : 26.4/27

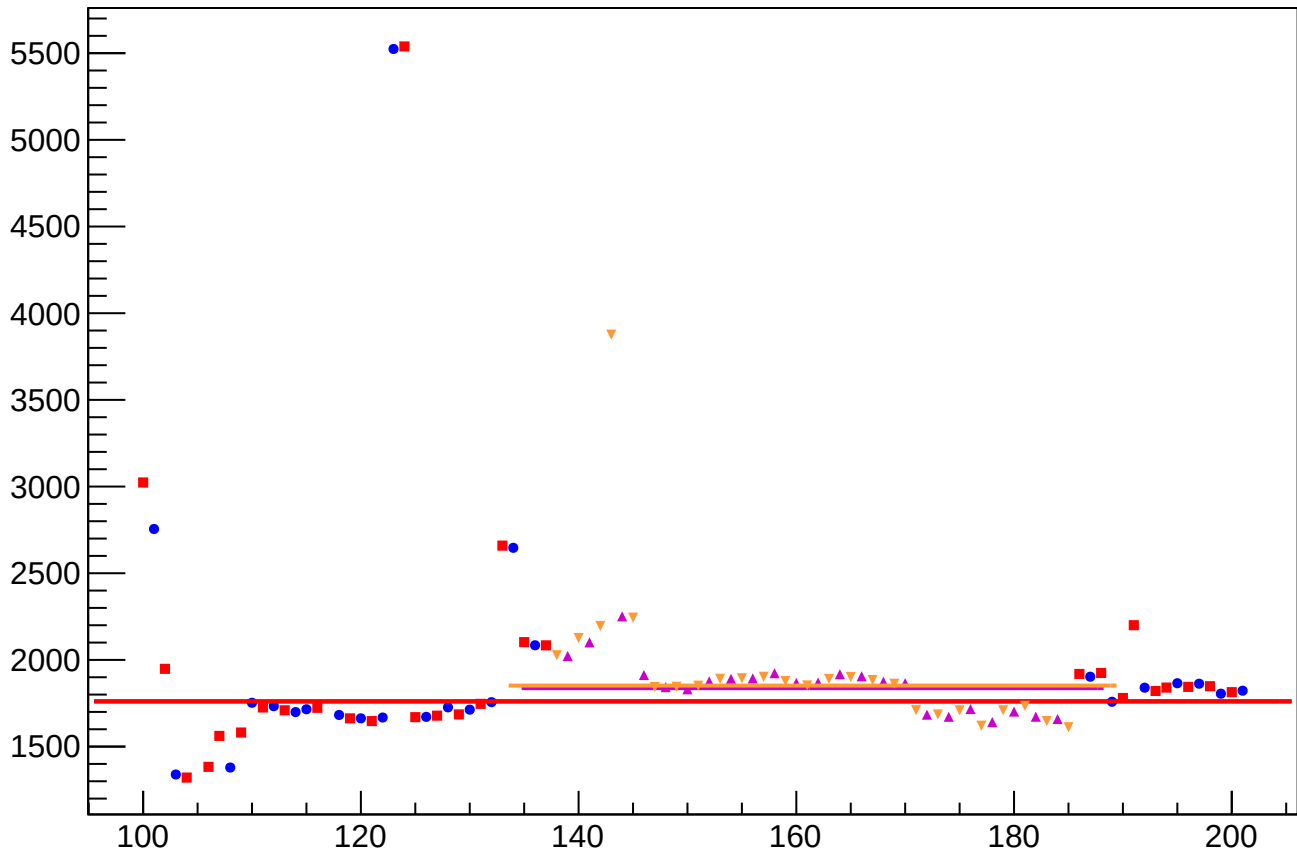
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1674.424 ± 336.286 χ^2/NDF : 56.3/48

All: -413.112 ± 235.876 χ^2/NDF : 176.5/99

- sign -2434.755 ± 330.936 χ^2/NDF : 44.3/50

reg_asym_at2_avg_rms vs Slug



Right In: 1760.303 $\pm$ 0.375 χ^2 /NDF: 459577.4/23

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1761.466 $\pm$ 0.354 χ^2 /NDF: 520518.2/27

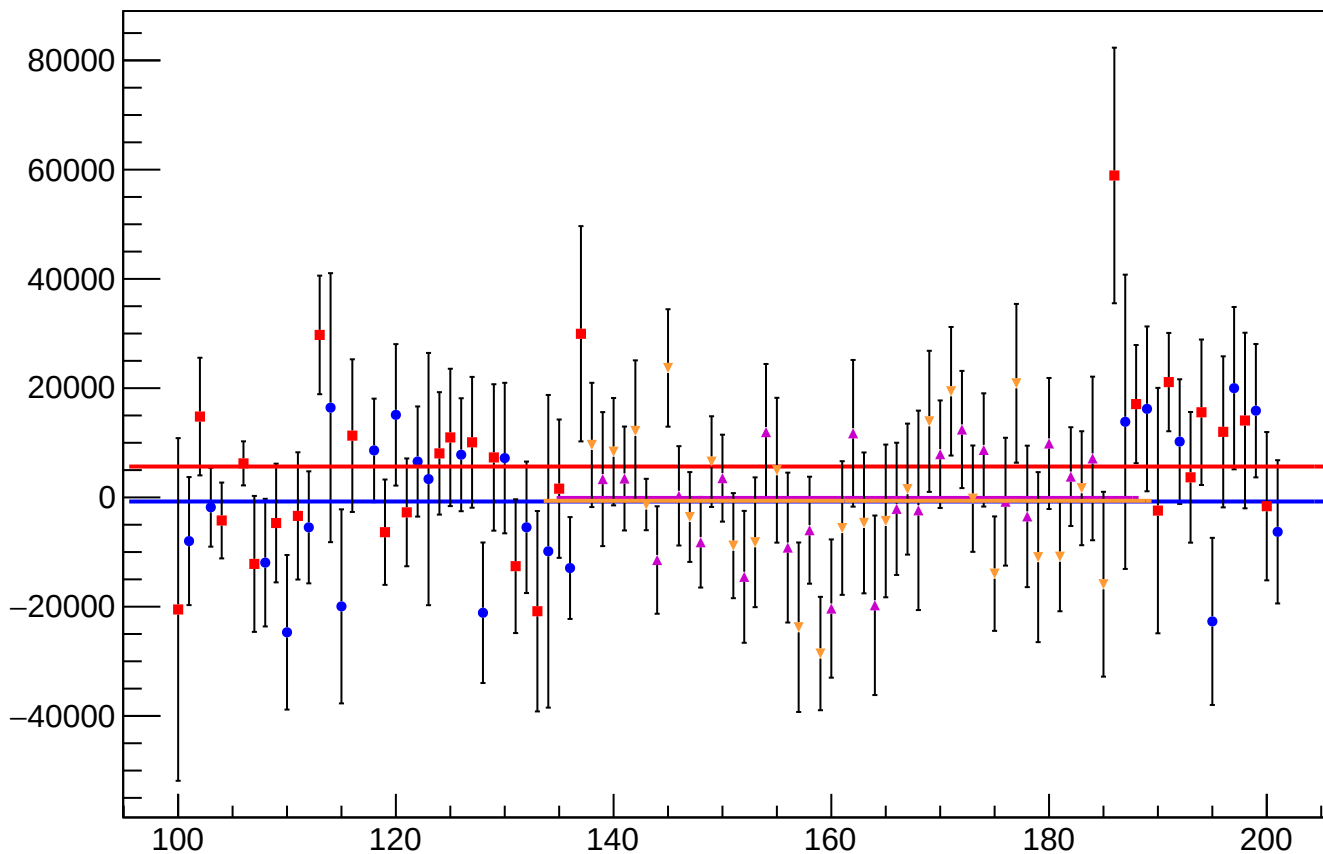
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1815.018 $\pm$ 0.238 χ^2 /NDF: 1144277.4/48

All: 1809.450 $\pm$ 0.167 χ^2 /NDF: 1892128.3/99

- sign 1804.058 $\pm$ 0.234 χ^2 /NDF: 746771.7/50

asym_at2_avg_correction_mean vs Slug



Right In: -748.266 ± 2523.295 χ^2/NDF : 23.1/23

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 5654.593 ± 2016.323 χ^2/NDF : 31.4/27

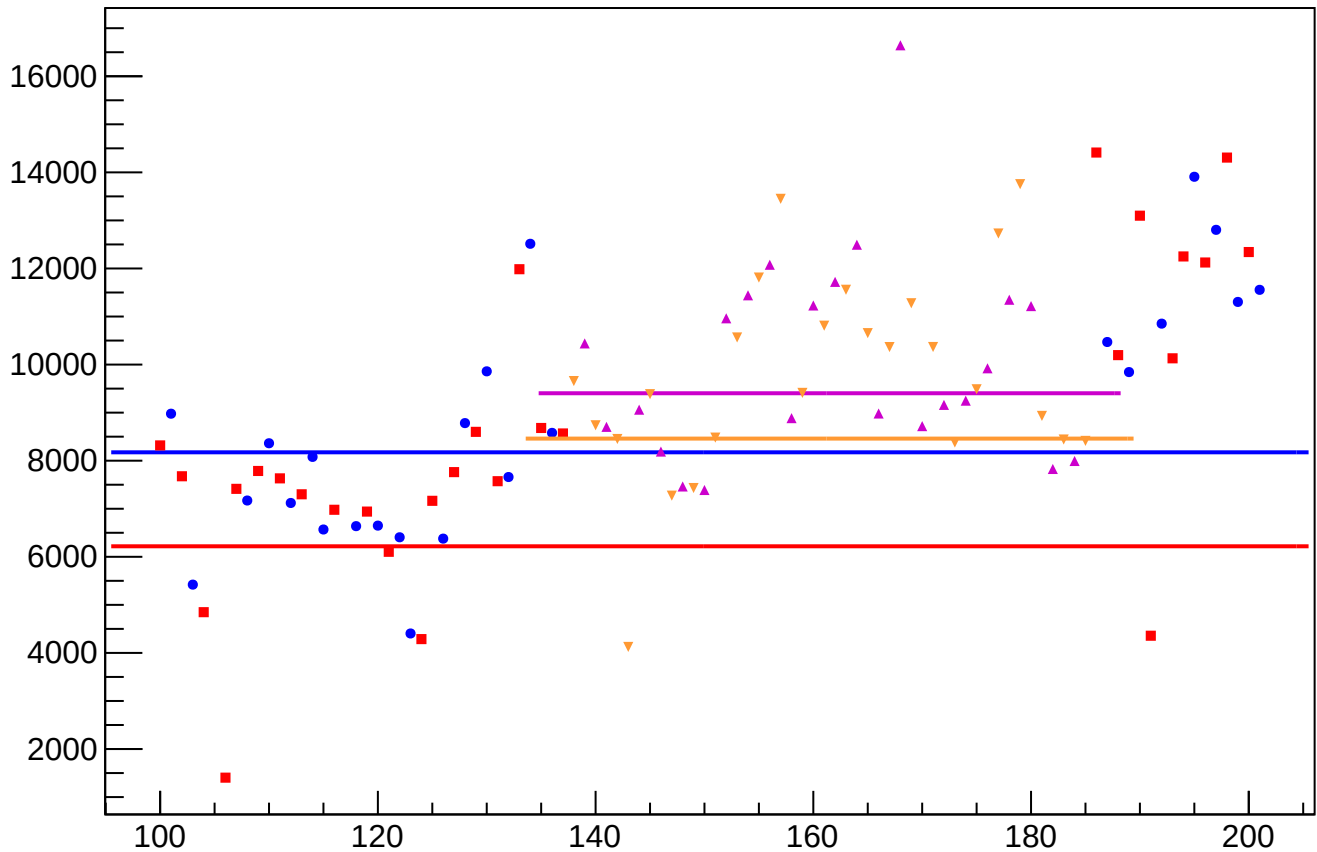
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -671.212 ± 1600.240 χ^2/NDF : 53.2/48

All: 1344.173 ± 1099.943 χ^2/NDF : 105.9/99

- sign 3149.175 ± 1514.415 χ^2/NDF : 49.6/50

asym_at2_avg_correction_rms vs Slug



Right In: 8174.408 $\pm$ 1.784 χ^2 /NDF: 1585482.9/23

Left Out: 8459.960 $\pm$ 1.463 χ^2 /NDF: 3087200.5/24

Right Out: 6218.825 $\pm$ 1.426 χ^2 /NDF: 6285258.7/27

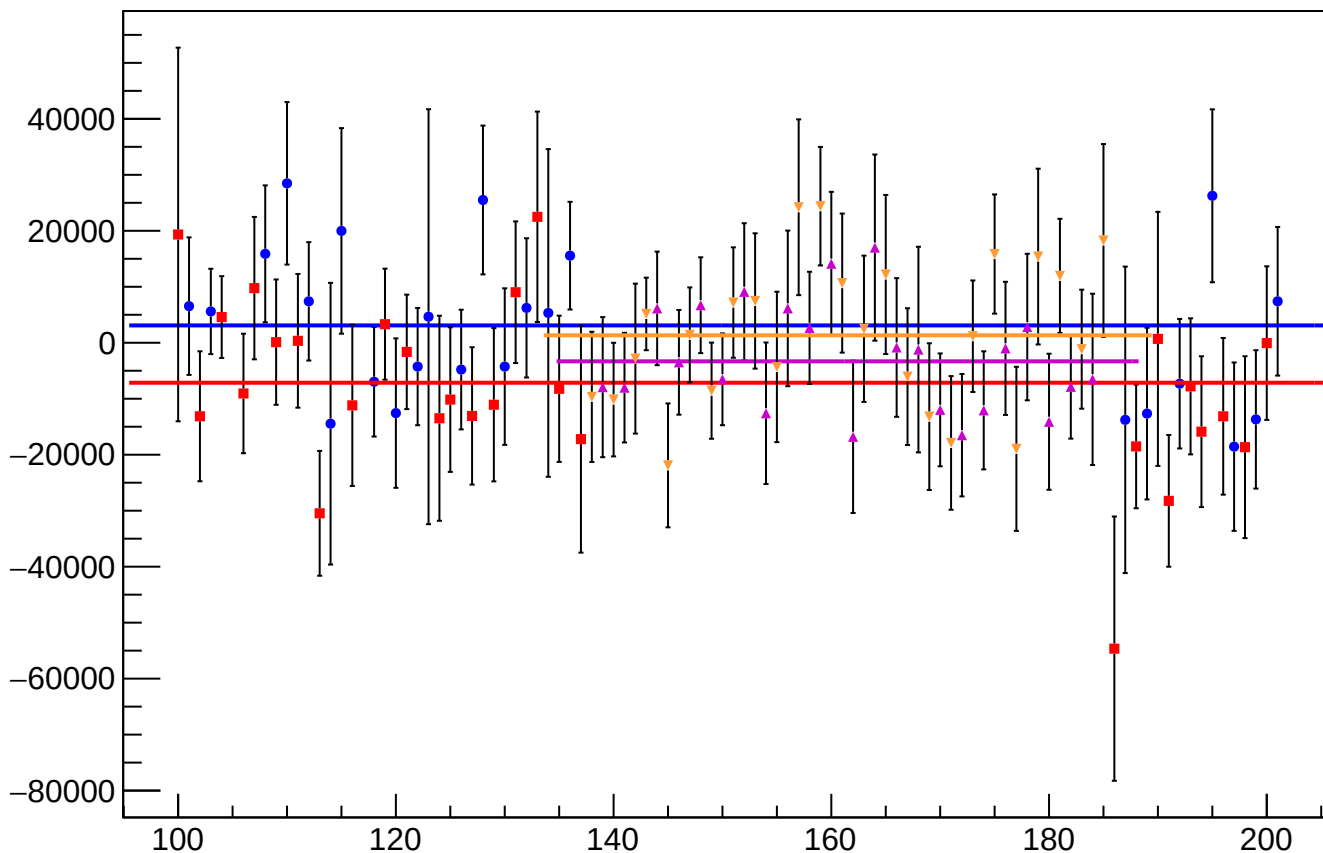
Left In: 9403.481 $\pm$ 1.622 χ^2 /NDF: 1142646.9/22

+ sign 8345.113 $\pm$ 1.132 χ^2 /NDF: 4687995.1/48

All: 7955.712 $\pm$ 0.778 χ^2 /NDF: 14515118.3/50

- sign 7606.960 $\pm$ 1.071 χ^2 /NDF: 9602629.6/50

asym_at2_avg_mean vs Slug



Right In: 3098.328+/-2612.414 χ^2/NDF : 22.7/23

Left Out: 1332.828+/-2213.733 χ^2/NDF : 28.0/24

Right Out: -7138.512+/-2400.290 χ^2/NDF : 26.6/27

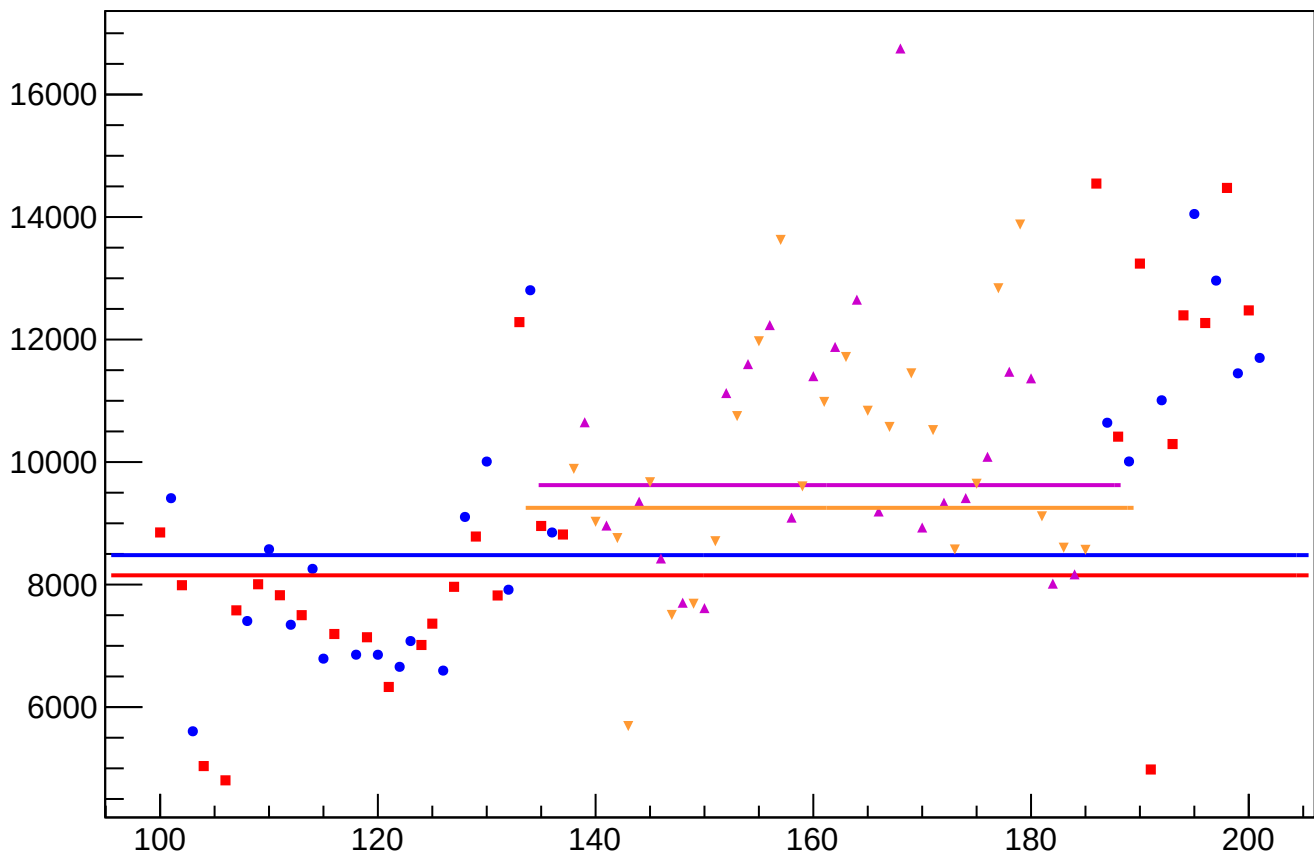
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 2070.721+/-1688.904 χ^2/NDF : 51.0/48

All: -1581.258+/-1190.077 χ^2/NDF : 102.0/99

- sign -5182.817+/-1677.204 χ^2/NDF : 41.7/50

asym_at2_avg_rms vs Slug



Right In: 8480.679+/-1.847 χ^2/NDF : 1439853.9/23

Left Out: 9252.712+/-1.565 χ^2/NDF :1597668.9/24

Right Out: 8150.944+/-1.697 χ^2/NDF : 2207681.1/27

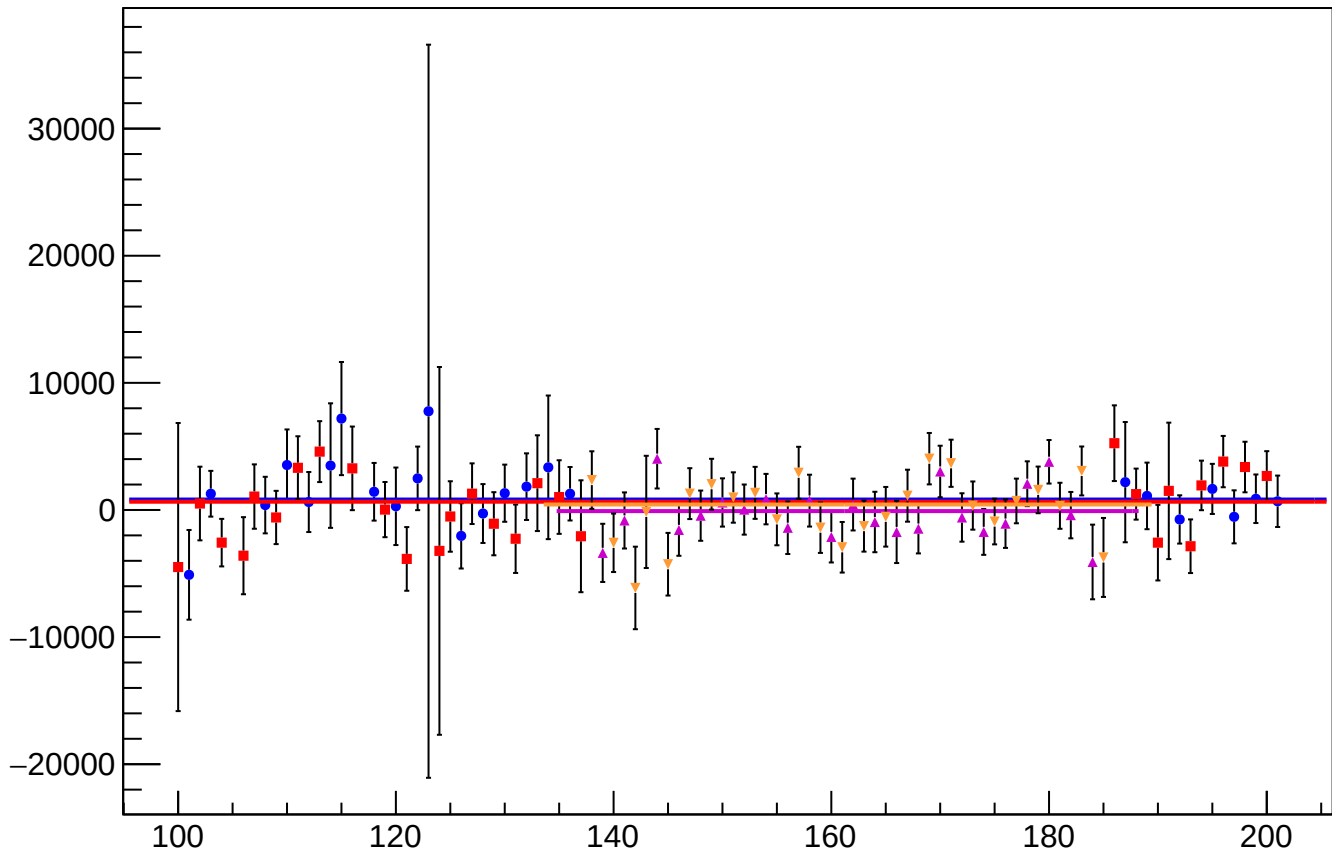
Left In: 9623.485+/-1.658 χ^2/NDF :1069924.0/22

+ sign 8930.032+/-1.194 χ^2/NDF : 3139191.5/48

All: 8917.148+/-0.841 χ^2/NDF : 6802272.2/99

- sign 8904.442+/-1.186 χ^2/NDF : 3662849.5/50

reg_asym_at2_dd_mean vs Slug



Right In: 821.092 $\pm$ 508.596 χ^2 /NDF: 10.1/23

Left Out: 429.447 $\pm$ 416.378 χ^2 /NDF: 28.7/24

Right Out: 649.163 $\pm$ 481.371 χ^2 /NDF: 28.1/27

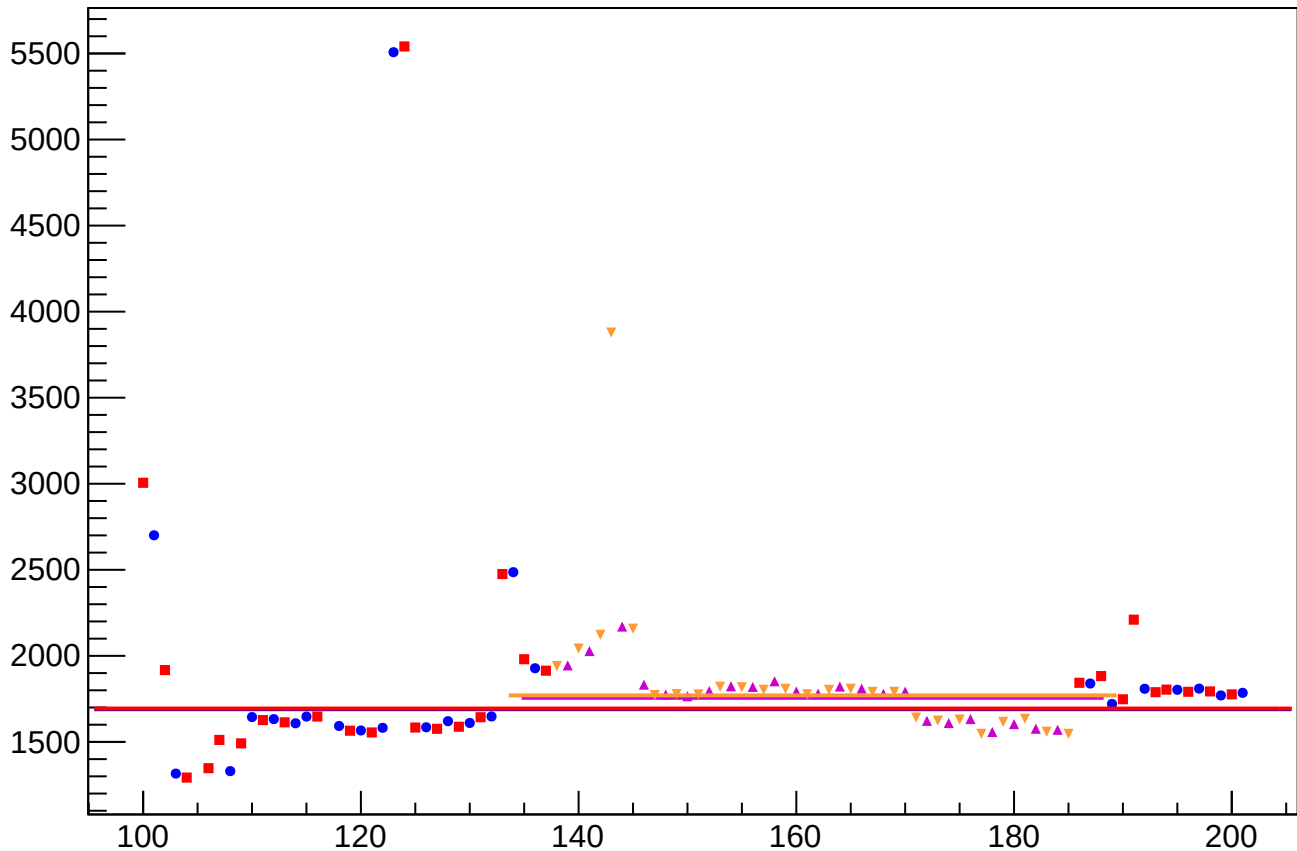
Left In: -88.373 $\pm$ 421.957 χ^2 /NDF: 21.0/22

+ sign 586.607 $\pm$ 322.180 χ^2 /NDF: 39.2/48

All: 406.650 $\pm$ 226.073 χ^2 /NDF: 90.2/99

- sign 232.094 $\pm$ 317.308 χ^2 /NDF: 50.4/50

reg_asym_at2_dd_rms vs Slug



Right In: 1690.136 $\pm$ 0.360 χ^2 /NDF: 455654.0/23

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1693.895 $\pm$ 0.340 χ^2 /NDF: 533075.5/27

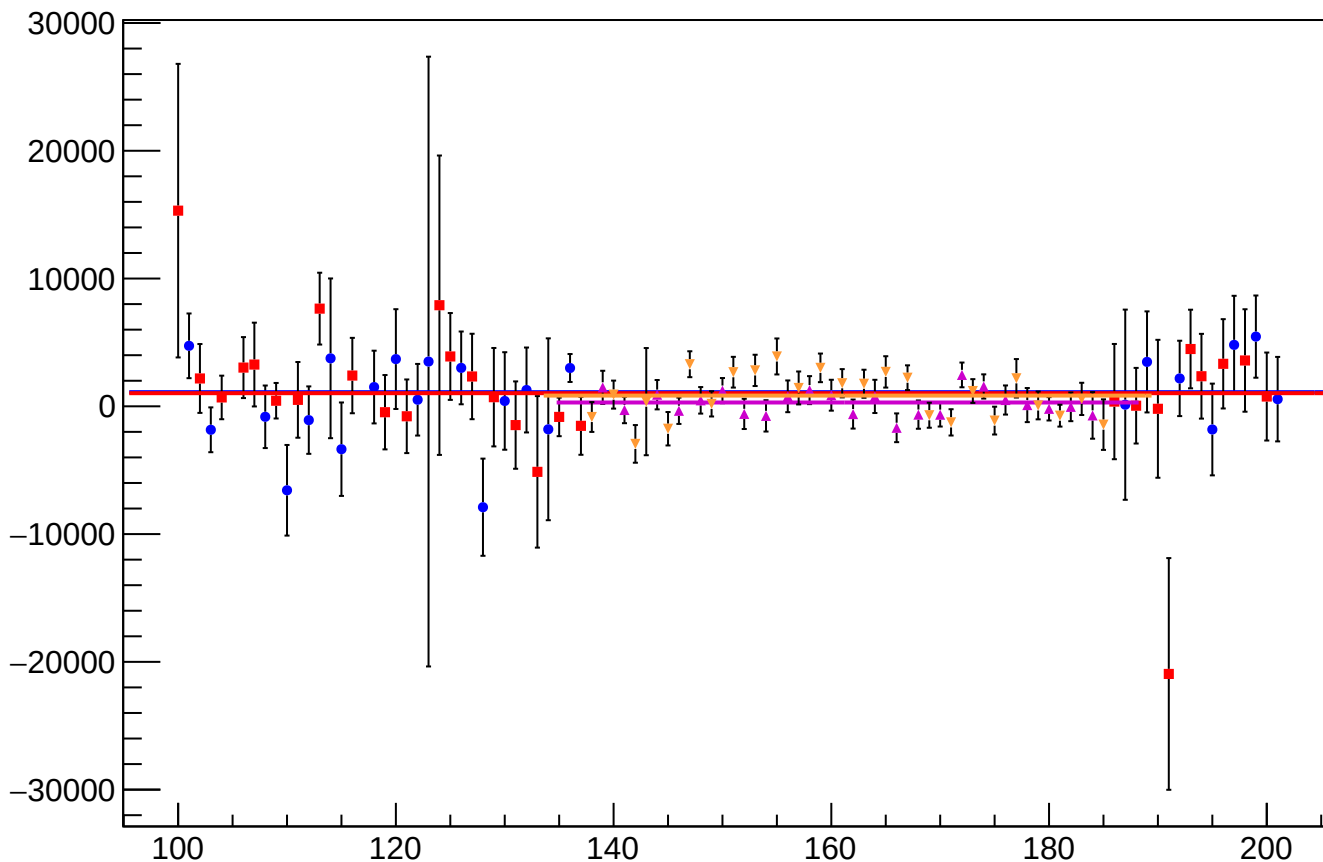
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1738.182 $\pm$ 0.228 χ^2 /NDF: 1185001.4/48

All: 1733.707 $\pm$ 0.160 χ^2 /NDF: 1961119.4/99

- sign 1729.367 $\pm$ 0.224 χ^2 /NDF: 775358.0/50

asym_at2_dd_correction_mean vs Slug



Right In: 1107.303+/-574.687 χ^2/NDF : 26.2/23

Left Out: 839.344+/-230.465 χ^2/NDF : 54.4/24

Right Out: 1027.683+/-534.295 χ^2/NDF : 23.5/27

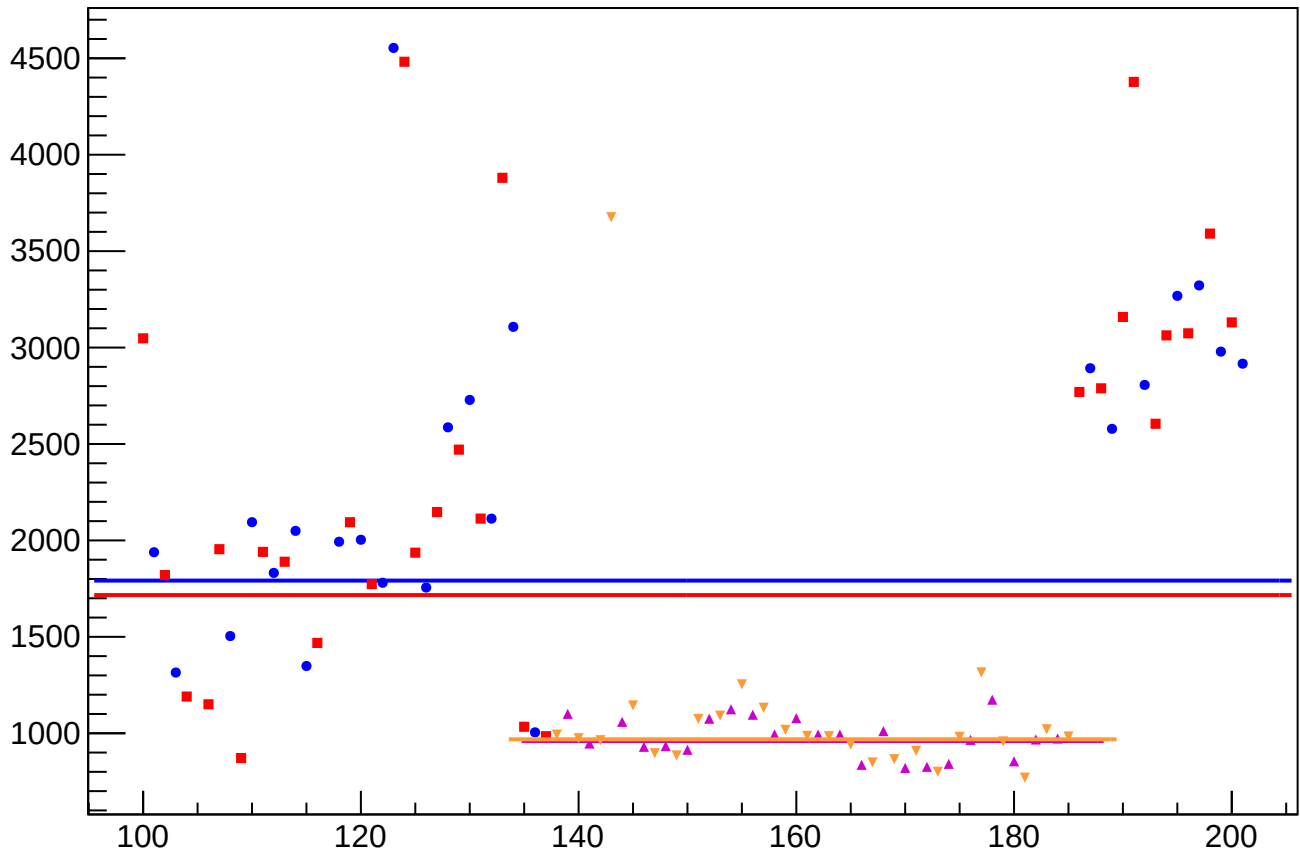
Left In: 298.801+/-231.400 χ^2/NDF : 18.3/22

+ sign 876.467+/-213.906 χ^2/NDF : 80.8/48

All: 643.497+/-150.698 χ^2/NDF : 126.6/99

- sign 413.924+/-212.341 χ^2/NDF : 43.4/50

asym_at2_dd_correction_rms vs Slug



Right In: 1791.651+/-0.406 χ^2/NDF : 3123261.1/23

Left Out: 968.712+/-0.163 χ^2/NDF : 1393696.6/24

+ sign 1082.723+/-0.151 χ^2/NDF : 8049901.4/48

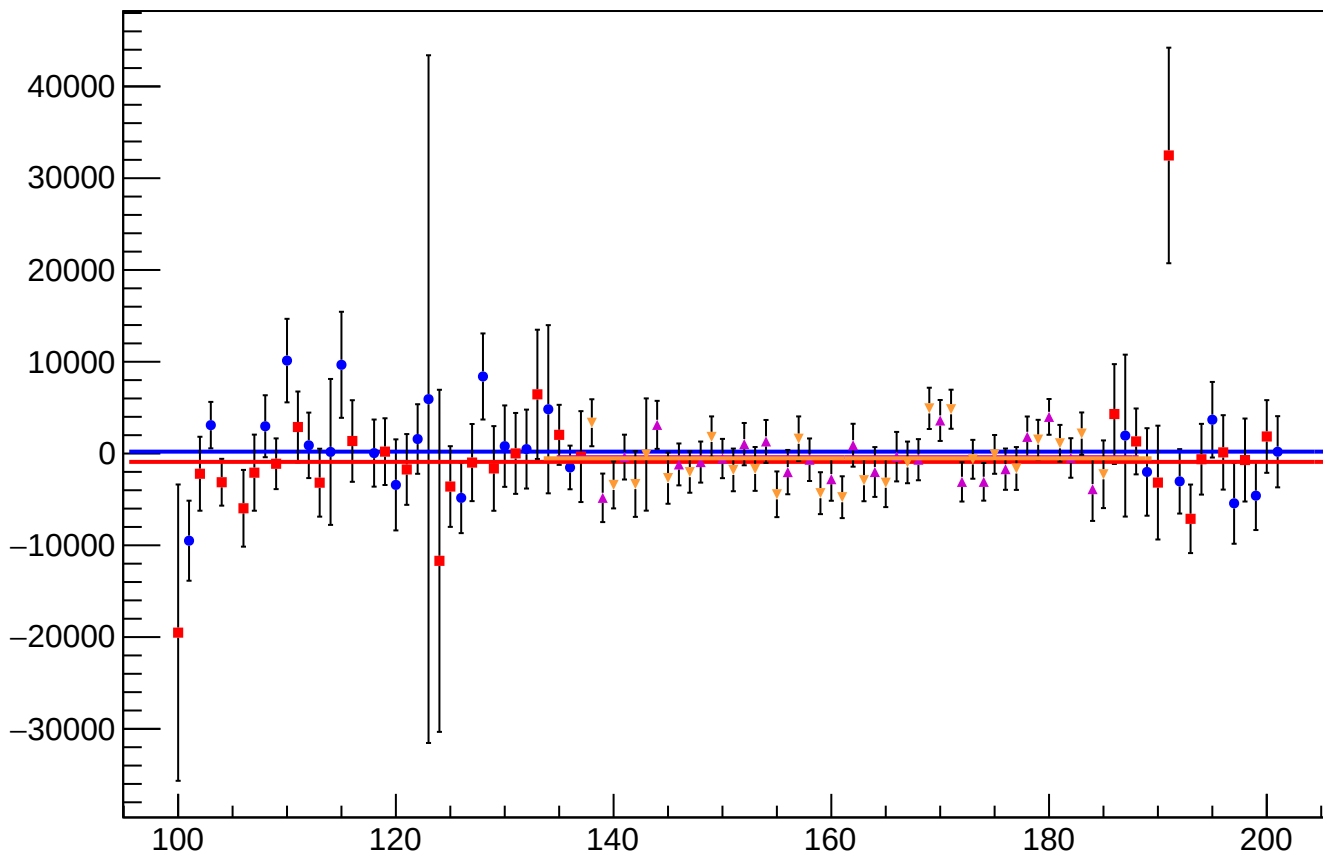
Right Out: 1716.631+/-0.378 χ^2/NDF : 4550089.1/27

All: 1081.020+/-0.107 χ^2/NDF : 16350550.1/50

- sign 1079.341+/-0.150 χ^2/NDF : 8300396.7/50

Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

asym_at2_dd_mean vs Slug



Right In: 206.835 $\pm$ 831.066 χ^2 /NDF: 25.8/23

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

Right Out: -909.713 $\pm$ 785.587 χ^2 /NDF: 21.0/27

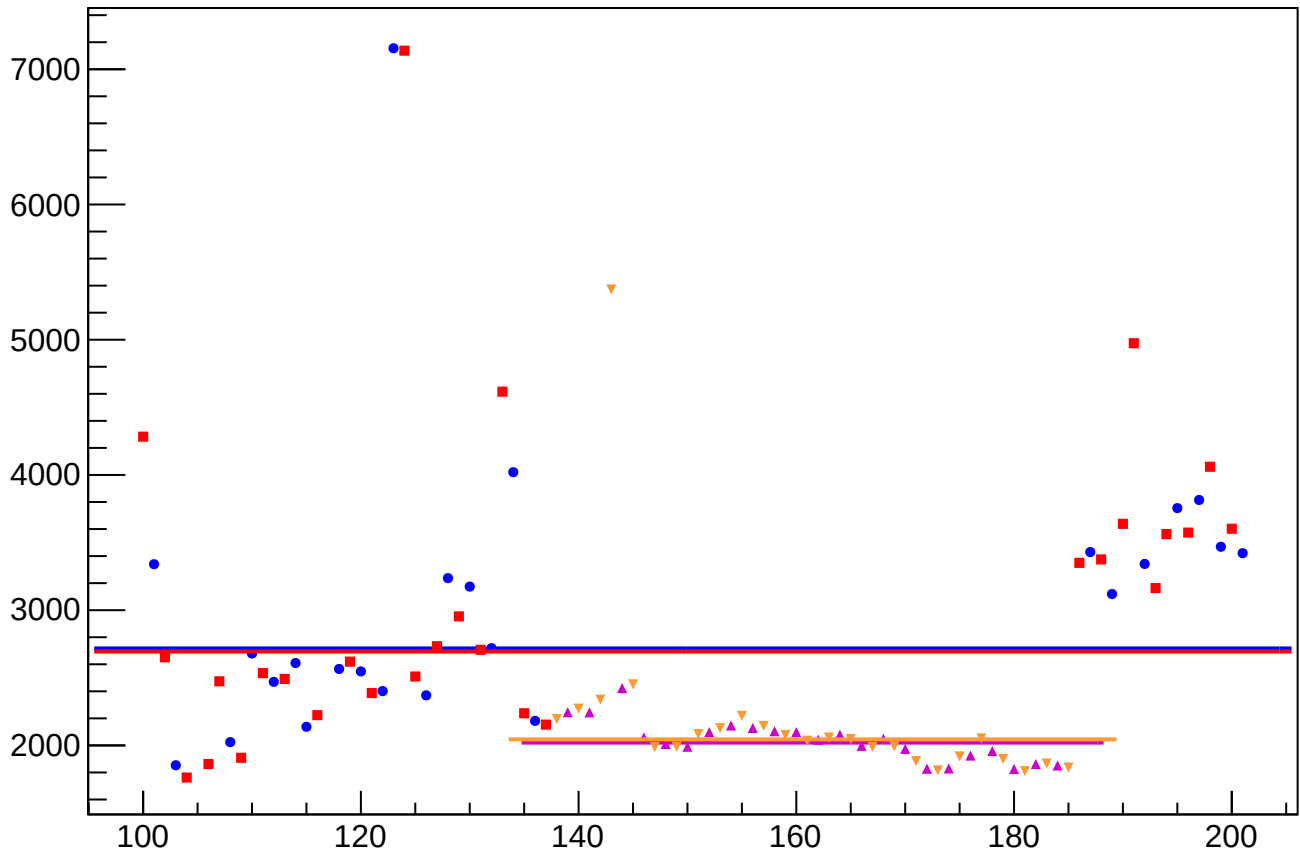
Left In: -397.398 $\pm$ 485.048 χ^2 /NDF:21.8/22

+ sign -335.635 $\pm$ 416.616 χ^2 /NDF: 60.4/48

All: -438.172 $\pm$ 293.204 χ^2 /NDF: 103.6/99

- sign -538.799 $\pm$ 412.717 χ^2 /NDF: 43.1/50

asym_at2_dd_rms vs Slug



Right In: 2717.108 $\pm$ 0.588 χ^2 /NDF: 1128325.3/23

Left Out: 2044.722 $\pm$ 0.340 χ^2 /NDF: 788703.5/24

Right Out: 2694.365 $\pm$ 0.555 χ^2 /NDF: 1652022.0/27

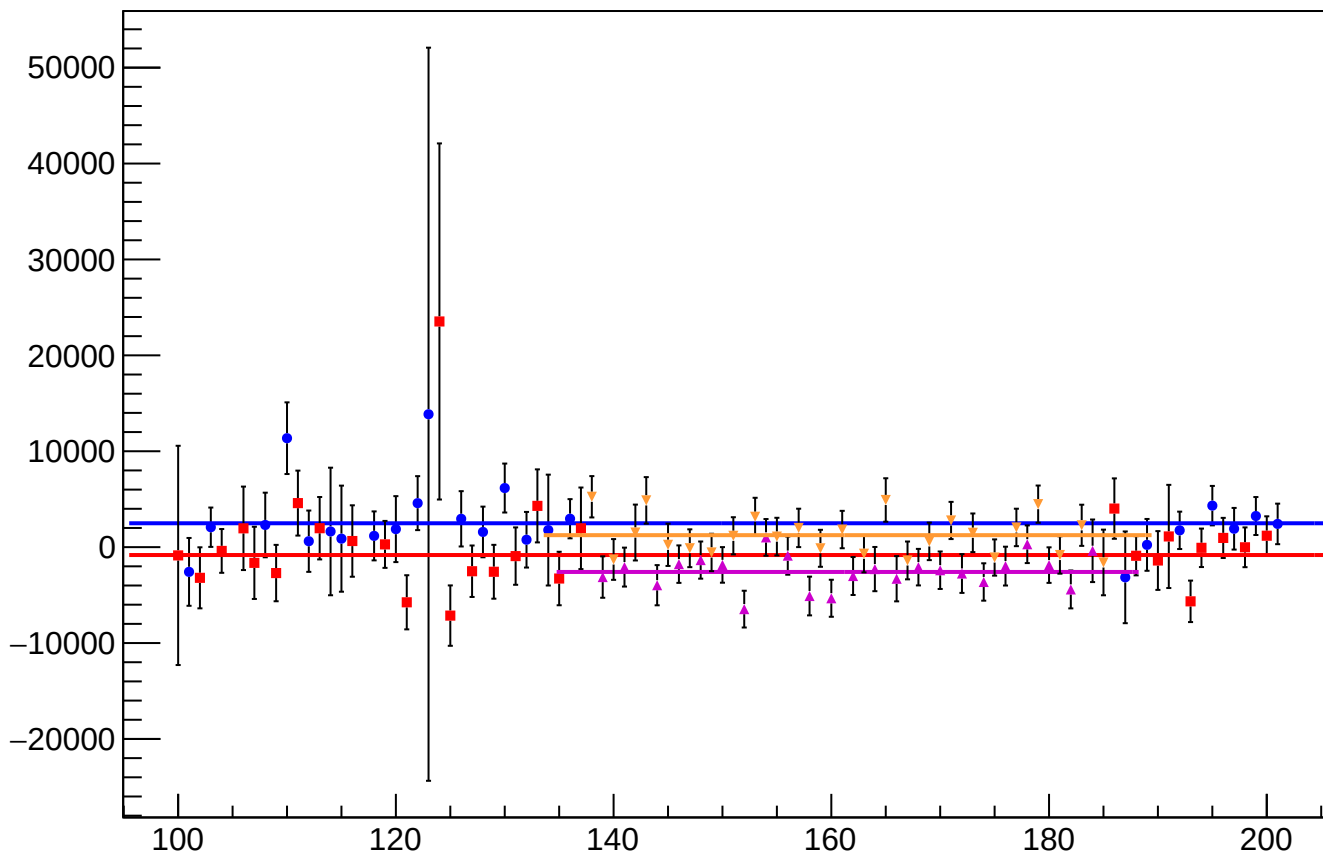
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2213.697 $\pm$ 0.295 χ^2 /NDF: 2897199.1/48

All: 2210.170 $\pm$ 0.207 χ^2 /NDF: 5787483.0/99

- sign 2206.709 $\pm$ 0.292 χ^2 /NDF: 2890000.0/50

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2490.389 ± 561.456 χ^2/NDF : 15.0/23

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

Right Out: -821.407 ± 537.062 χ^2/NDF : 27.2/27

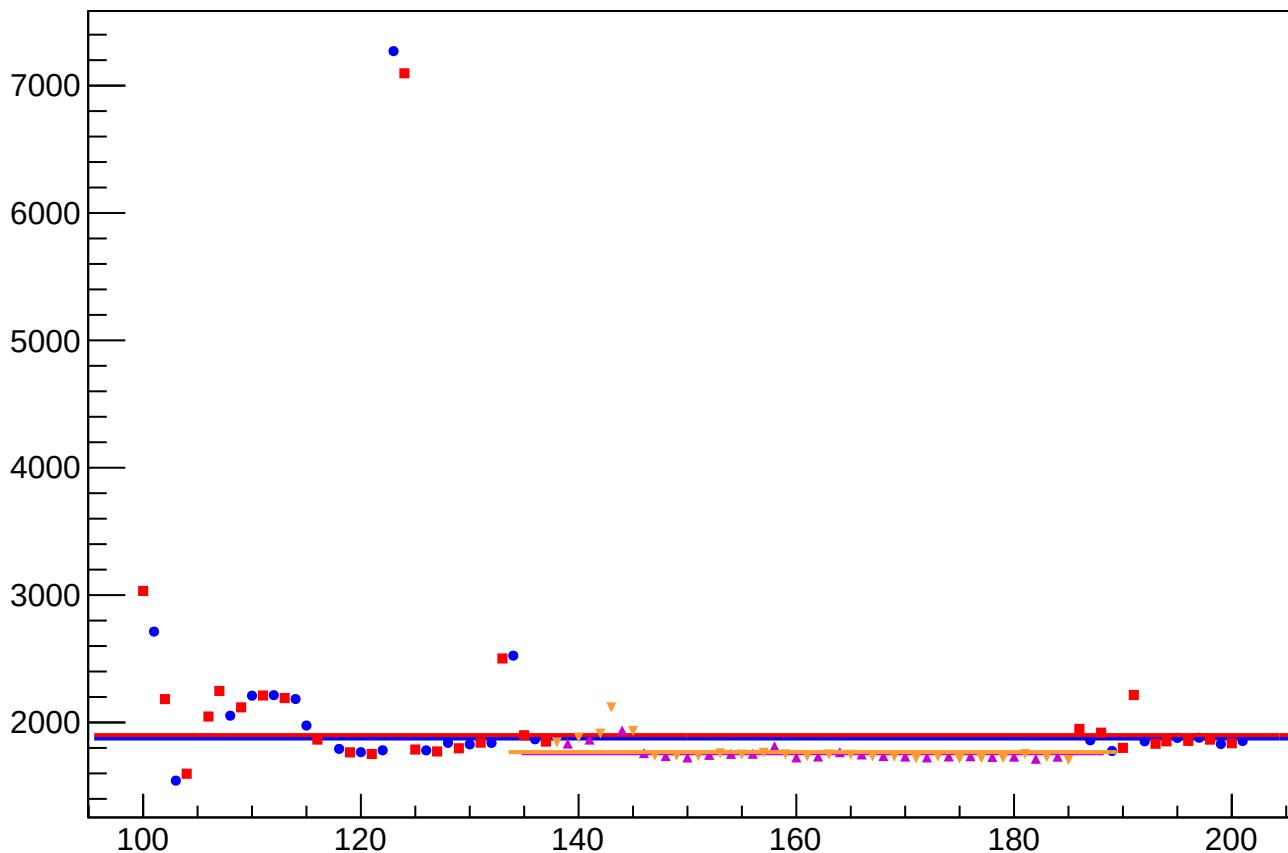
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1684.753 ± 332.418 χ^2/NDF : 41.2/48

All: -119.136 ± 234.759 χ^2/NDF : 151.3/99

- sign -1913.950 ± 331.581 χ^2/NDF : 51.4/50

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1874.052+/-0.397 χ^2/NDF : 293000.9/23

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1900.923+/-0.379 χ^2/NDF : 379551.6/27

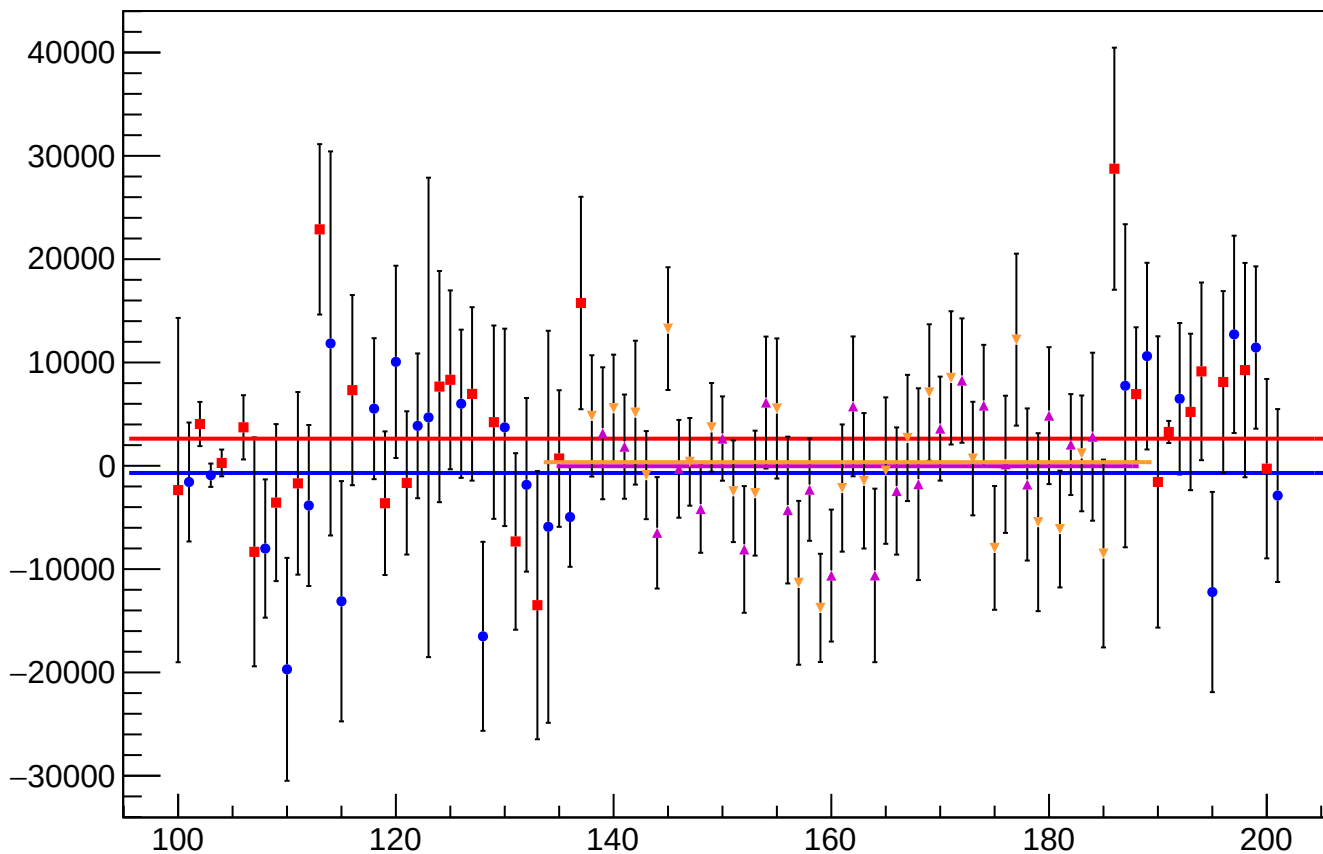
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1804.862+/-0.235 χ^2/NDF : 417442.2/48

All: 1808.733+/-0.166 χ^2/NDF : 914986.3/99

- sign 1812.582+/-0.234 χ^2/NDF : 497003.1/50

asym_atl1r2_avg_correction_mean vs Slug



Right In: -693.268 ± 946.102 χ^2/NDF : 22.4/23

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2625.918 ± 689.605 χ^2/NDF : 26.3/27

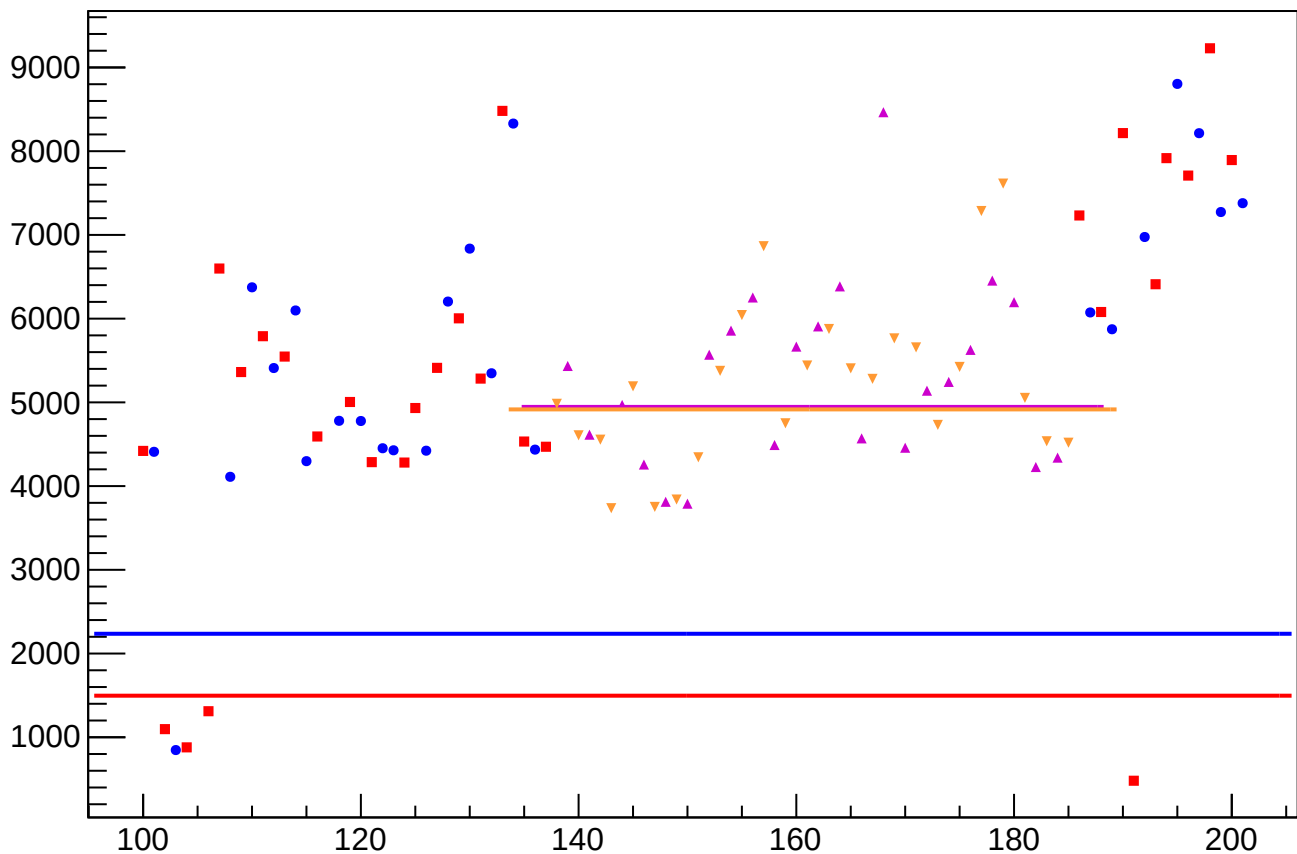
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -280.334 ± 735.685 χ^2/NDF : 50.7/48

All: 1073.268 ± 464.424 χ^2/NDF : 102.3/99

- sign 1970.099 ± 598.828 χ^2/NDF : 46.0/50

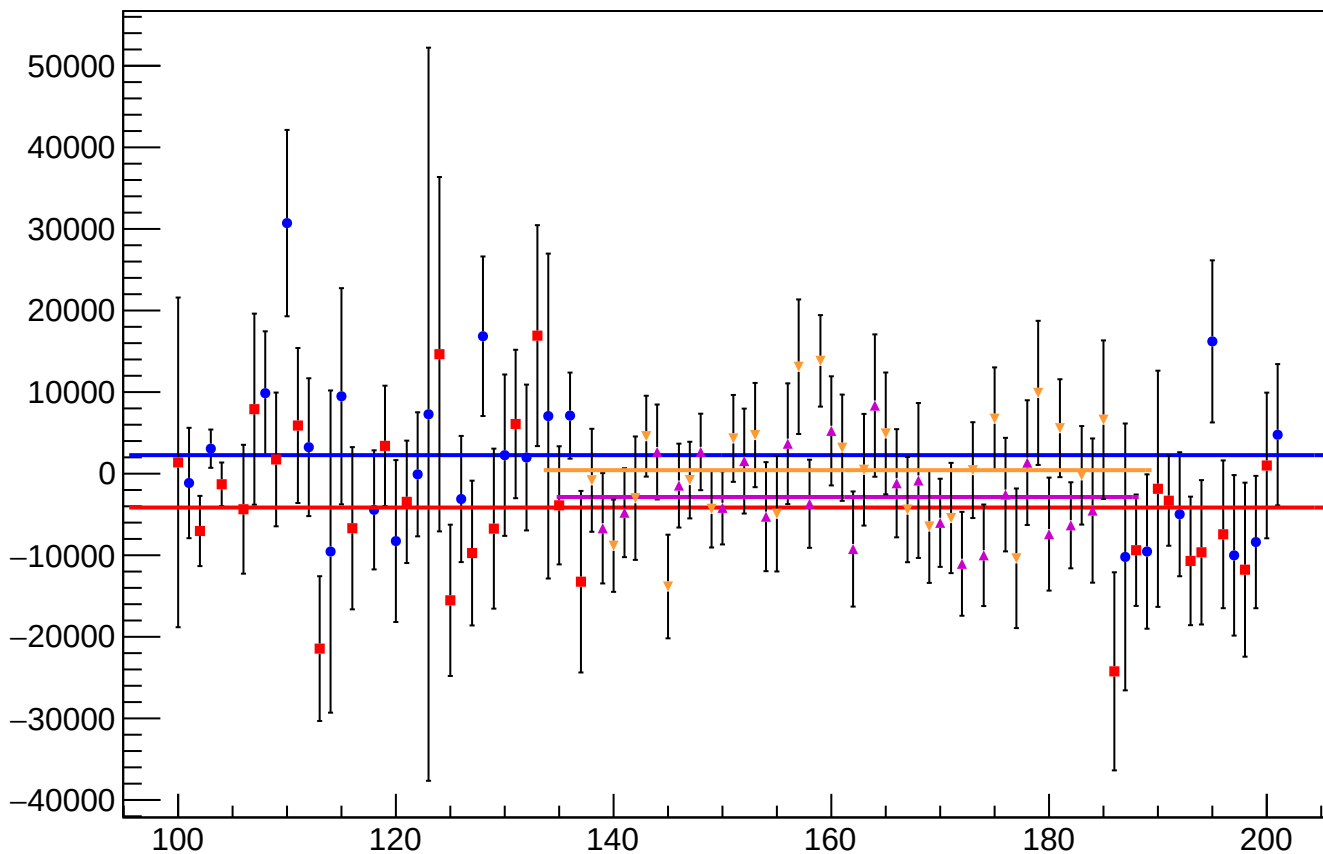
asym_atl1r2_avg_correction_rms vs Slug



Right In: 2236.144+/-0.669 χ^2/NDF : 11372215.5/23
 Left Out: 4915.865+/-0.827 χ^2/NDF : 1186479.7/24
 Right Out: 1496.566+/-0.488 χ^2/NDF : 15338076.1/27
 Left In: 4945.817+/-0.854 χ^2/NDF : 1188288.6/22

+ sign 3295.554+/-0.520 χ^2/NDF : 18901890.1/48
 All: 2723.744+/-0.328 χ^2/NDF : 49742946.8/50
 - sign 2344.889+/-0.423 χ^2/NDF : 28832309.8/50

asym_atl1r2_avg_mean vs Slug



Right In: 2270.947 $\pm$ 1462.803 χ^2 /NDF: 22.3/23

Left Out: 430.860 $\pm$ 1258.273 χ^2 /NDF:27.1/24

Right Out: -4149.423 $\pm$ 1393.498 χ^2 /NDF: 21.8/27

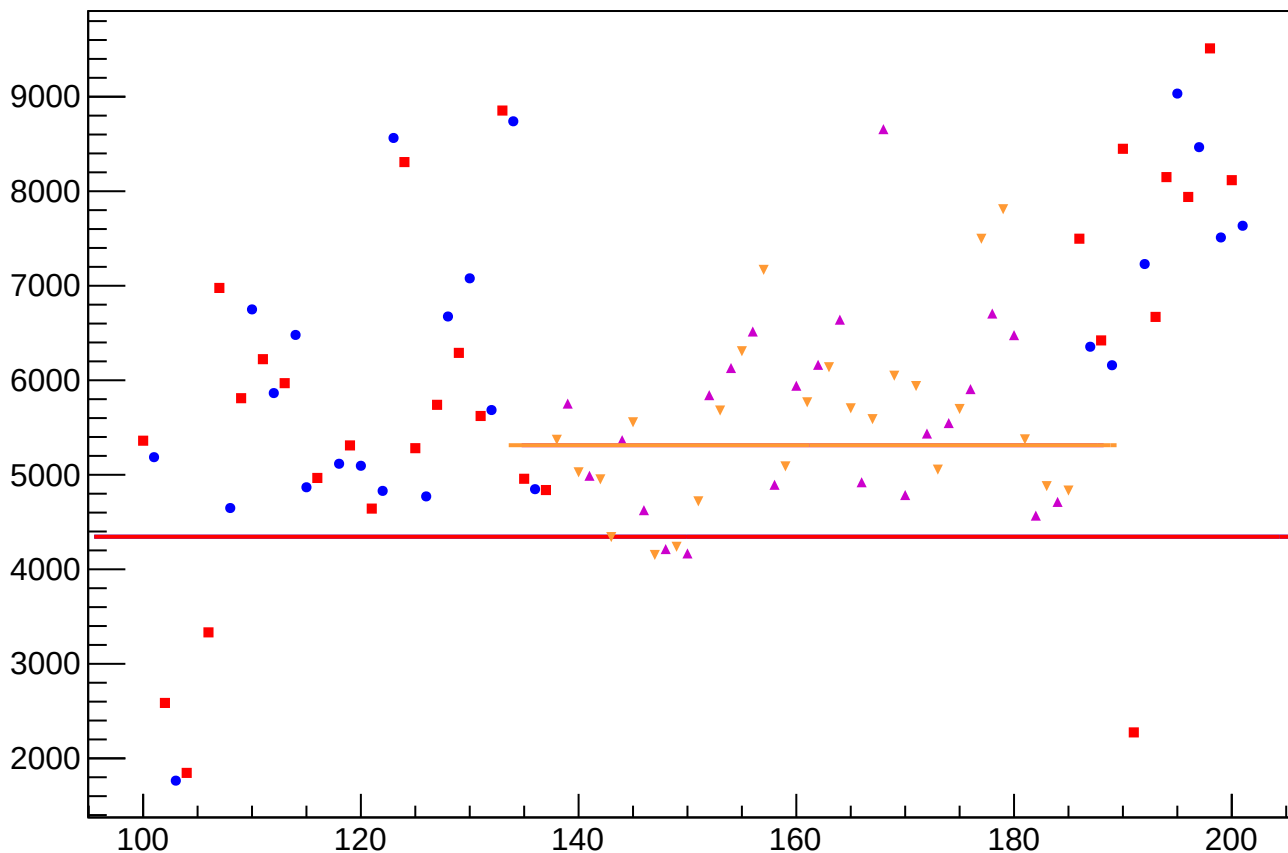
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1213.371 $\pm$ 953.919 χ^2 /NDF: 50.4/48

All: -1137.096 $\pm$ 672.265 χ^2 /NDF: 97.5/99

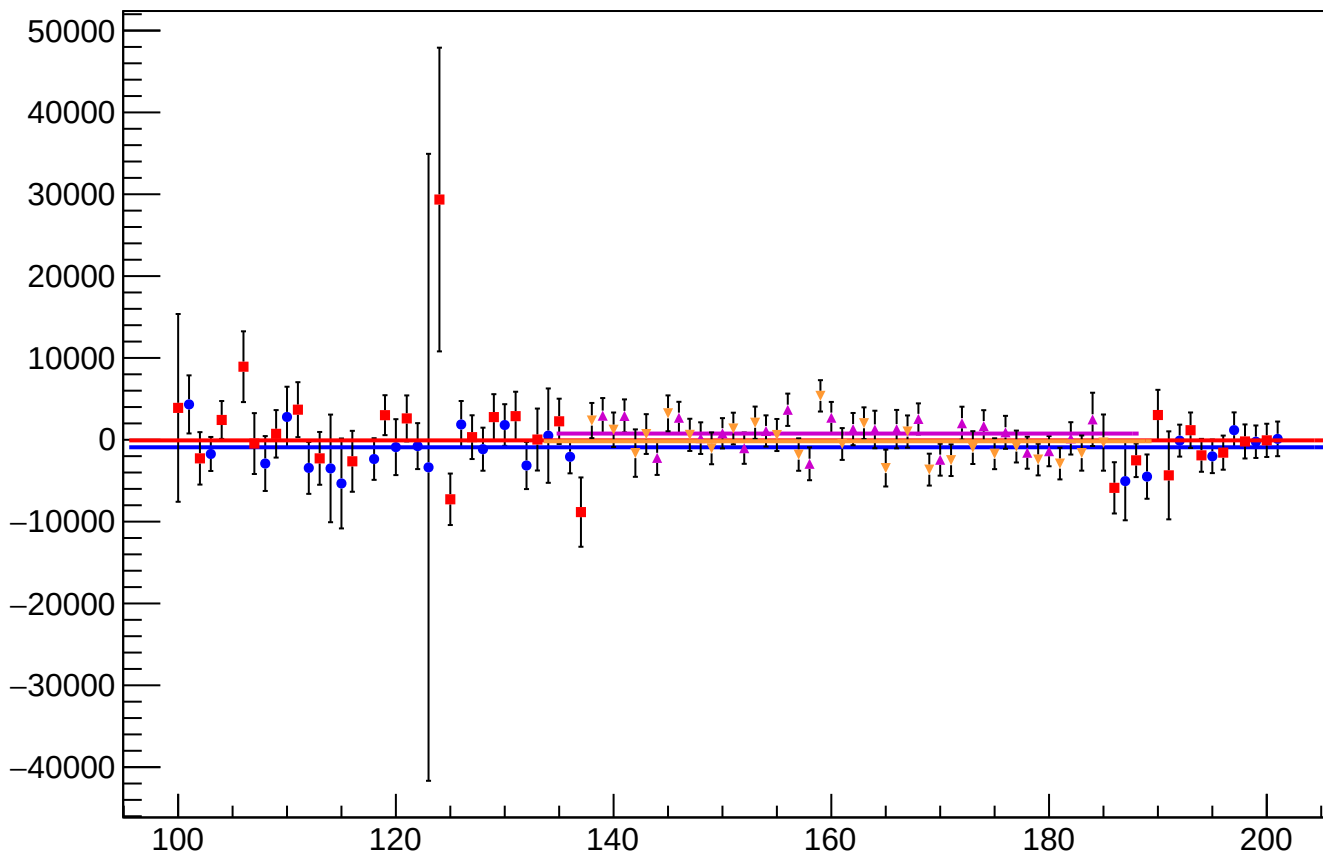
- sign -3456.345 $\pm$ 947.564 χ^2 /NDF: 35.1/50

asym_atl1r2_avg_rms vs Slug



Right In: 4345.344+/-1.034	χ^2/NDF : 4910384.7/23	+ sign 4901.502+/-0.675	χ^2/NDF : 6307770.1/48
Left Out: 5313.008+/-0.890	χ^2/NDF : 894369.8/24	All: 4881.952+/-0.475	χ^2/NDF : 13223416.5/50
Right Out: 4344.644+/-0.980	χ^2/NDF : 5434695.5/27	- sign 4862.752+/-0.668	χ^2/NDF : 6913981.4/50
Left In: 5312.861+/-0.914	χ^2/NDF : 957400.7/22		

reg_asym_atl1r2_dd_mean vs Slug



Right In: -915.219 ± 560.599 χ^2/NDF : 12.8/23

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

Right Out: -72.765 ± 536.566 χ^2/NDF : 33.8/27

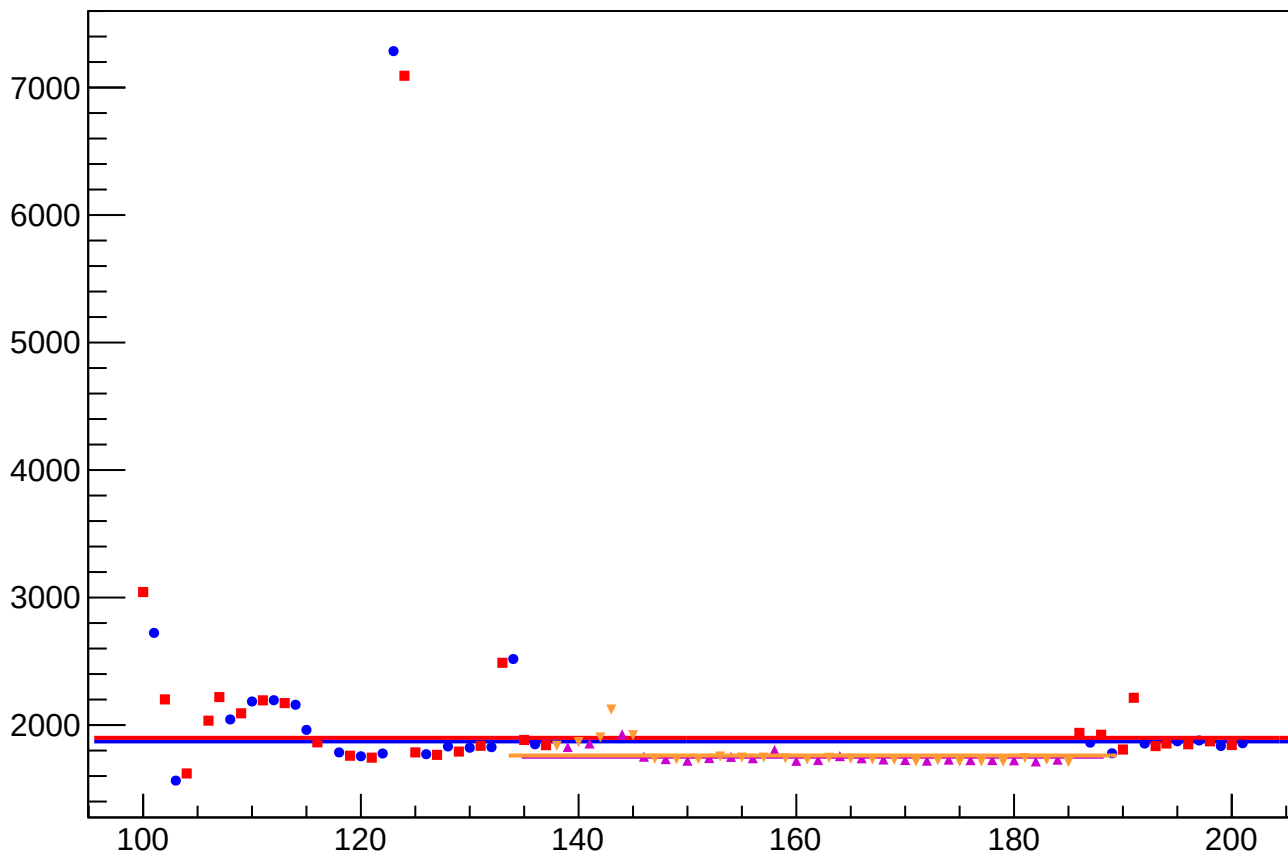
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -436.875 ± 331.450 χ^2/NDF : 43.2/48

All: 4.357 ± 234.099 χ^2/NDF : 102.3/99

- sign 443.549 ± 330.682 χ^2/NDF : 55.6/50

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1871.604 $\pm$ 0.396 χ^2 /NDF: 283325.3/23

Left Out: 1761.091 $\pm$ 0.291 χ^2 /NDF: 77468.5/24

Right Out: 1899.898 $\pm$ 0.379 χ^2 /NDF: 366870.5/27

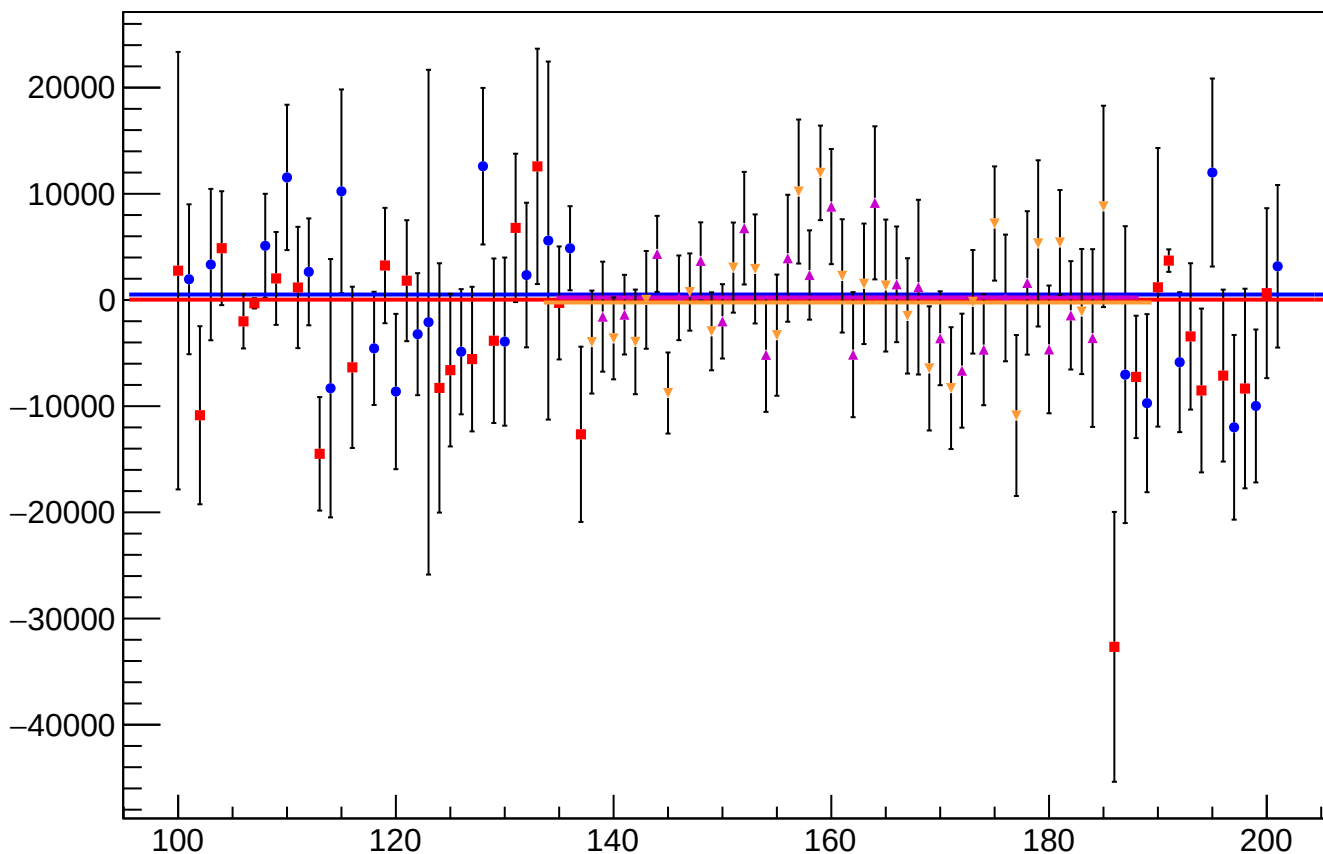
Left In: 1751.418 $\pm$ 0.297 χ^2 /NDF: 28578.7/22

+ sign 1799.722 $\pm$ 0.234 χ^2 /NDF: 411347.6/48

All: 1803.807 $\pm$ 0.166 χ^2 /NDF: 902482.0/99

- sign 1807.871 $\pm$ 0.234 χ^2 /NDF: 490528.4/50

asym_atl1r2_dd_correction_mean vs Slug



Right In: 513.913 ± 1410.560 χ^2/NDF : 22.2/23

Left Out: -235.806 ± 1005.144 χ^2/NDF : 28.9/24

Right Out: 33.919 ± 412.771 χ^2/NDF : 42.6/27

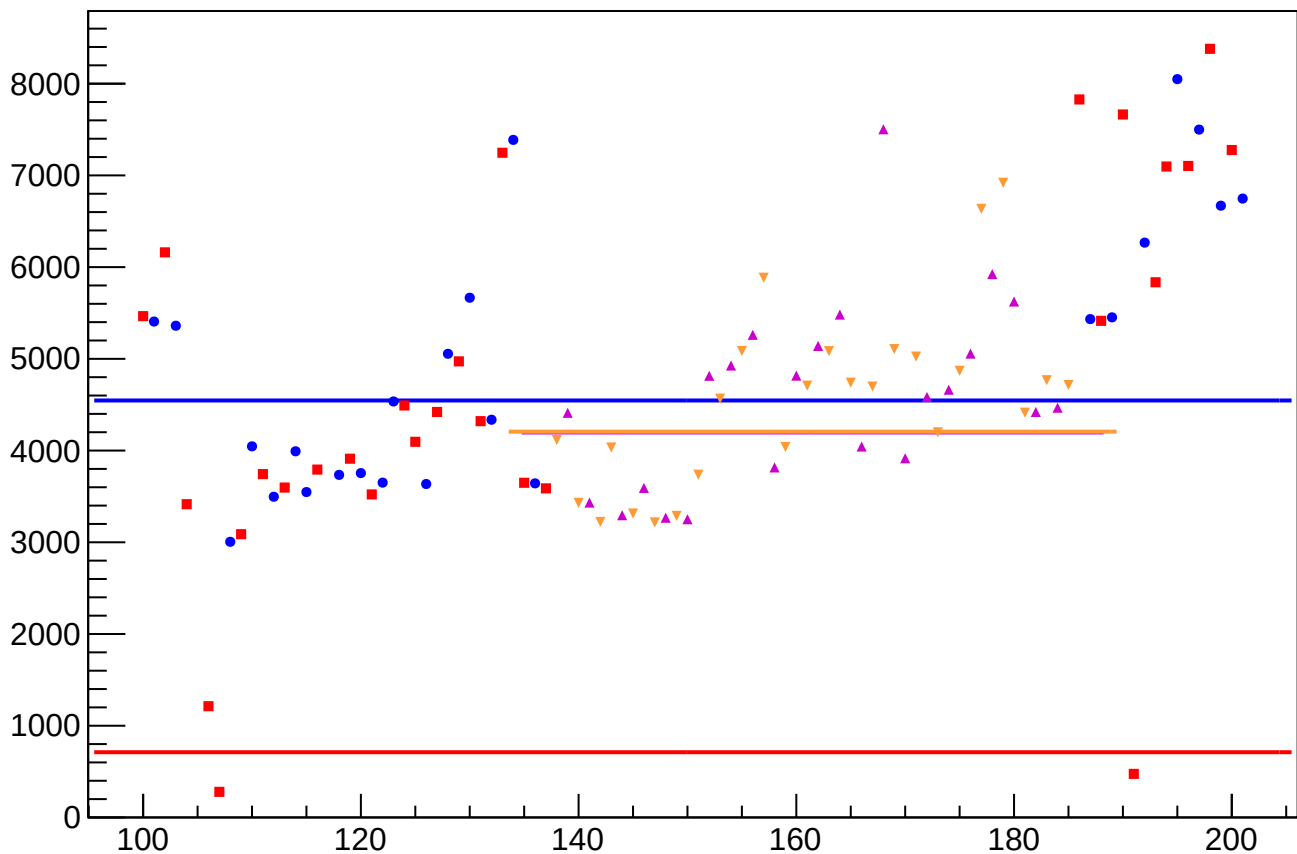
Left In: 239.224 ± 1028.883 χ^2/NDF : 15.3/22

+ sign 16.679 ± 818.577 χ^2/NDF : 51.3/48

All: 54.170 ± 346.974 χ^2/NDF : 109.3/99

- sign 62.382 ± 383.092 χ^2/NDF : 58.0/50

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4546.099+/-0.997 χ^2/NDF : 1806963.8/23

Left Out: 4206.076+/-0.711 χ^2/NDF :1442269.3/24

Right Out: 711.248+/-0.292 χ^2/NDF : 19345027.4/27

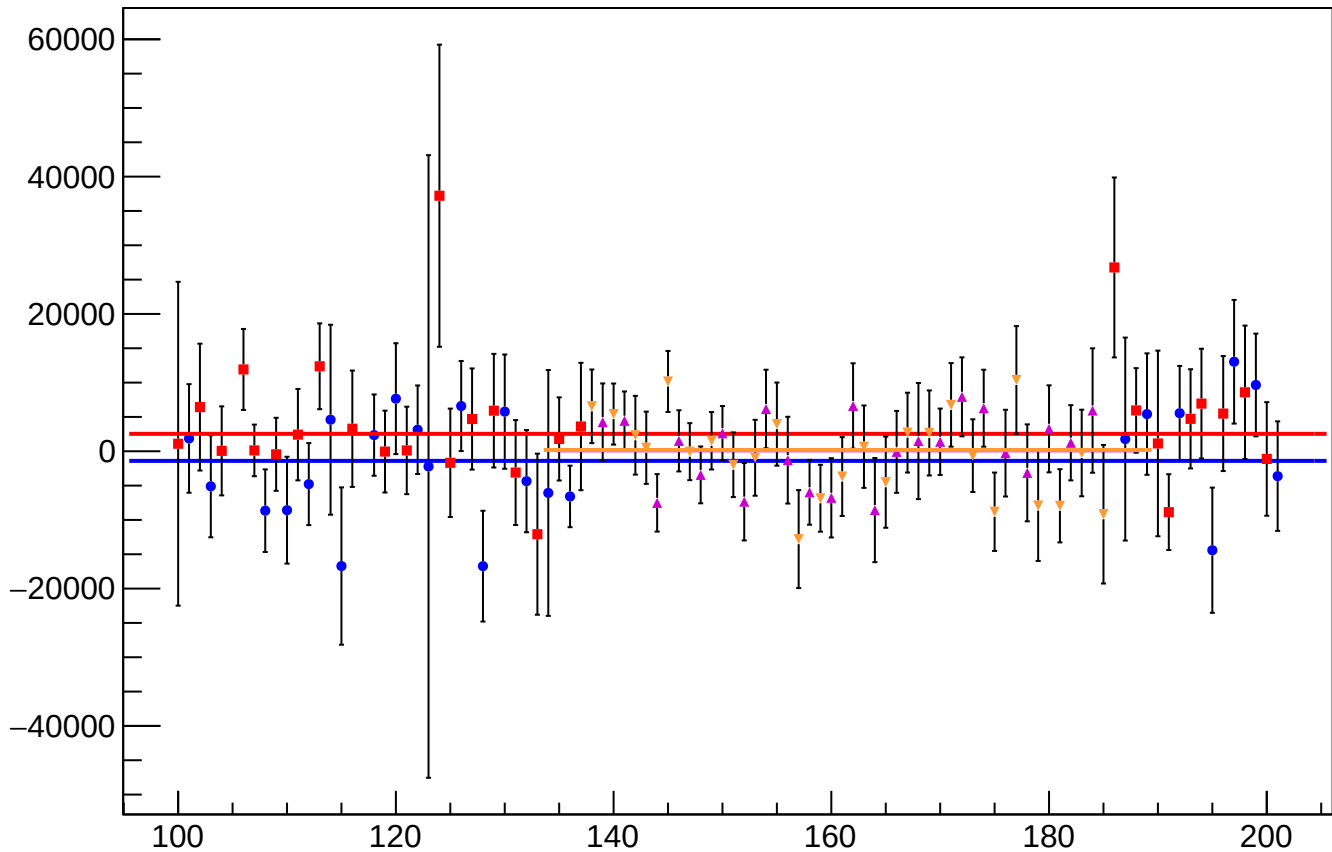
Left In: 4197.267+/-0.728 χ^2/NDF :1471012.9/22

+ sign 4320.586+/-0.579 χ^2/NDF : 3326310.2/48

All: 1756.190+/-0.245 χ^2/NDF : 67845864.2/50

- sign 1194.533+/-0.271 χ^2/NDF : 40592321.9/50

asym_atl1r2_dd_mean vs Slug



Right In: -1399.011 ± 1565.481 χ^2/NDF : 23.1/23

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

Right Out: 2537.643 ± 1352.853 χ^2/NDF : 20.7/27

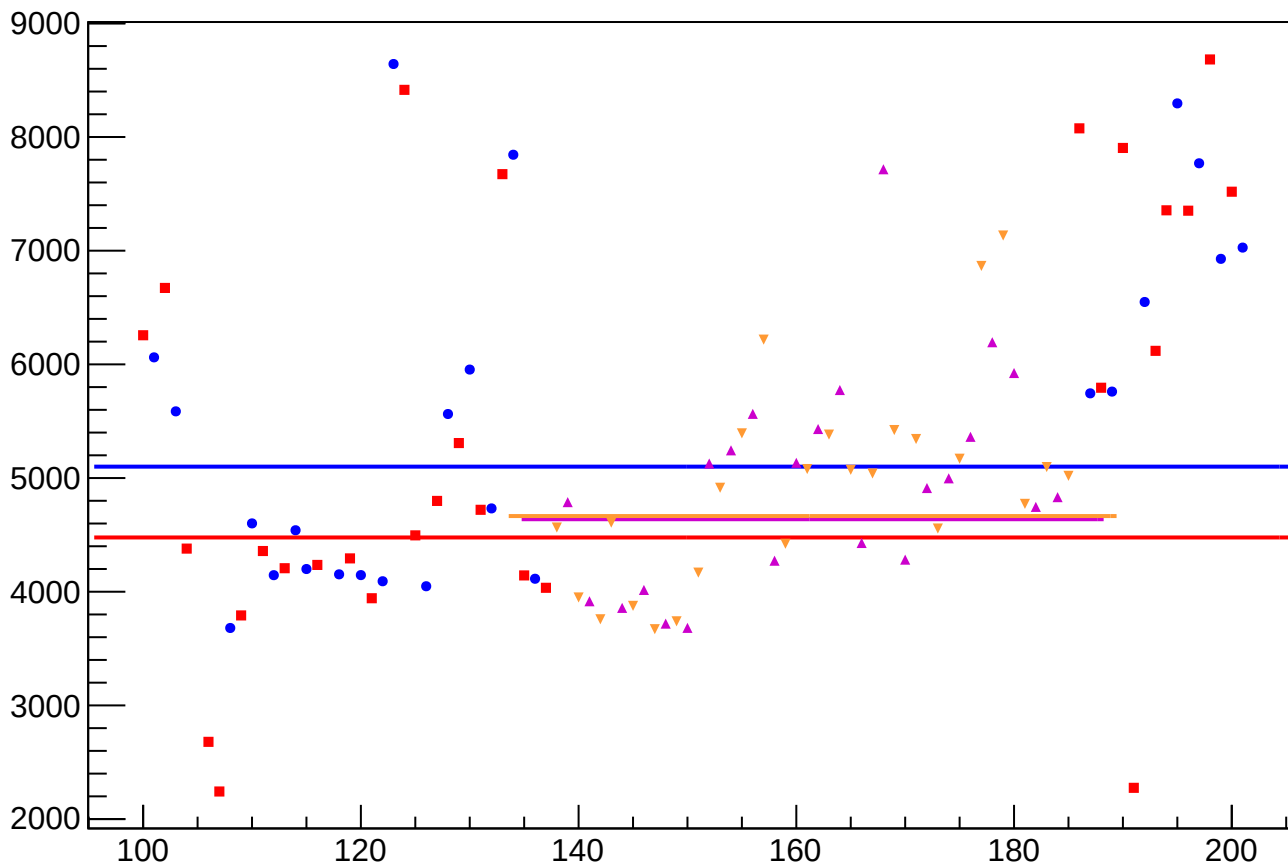
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -339.786 ± 903.770 χ^2/NDF : 48.8/48

All: 422.138 ± 625.697 χ^2/NDF : 91.3/99

- sign 1123.497 ± 867.107 χ^2/NDF : 41.1/50

asym_atl1r2_dd_rms vs Slug



Right In: 5100.340+/-1.107 χ^2/NDF : 1353503.9/23

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

Right Out: 4477.309+/-0.952 χ^2/NDF : 3288941.0/27

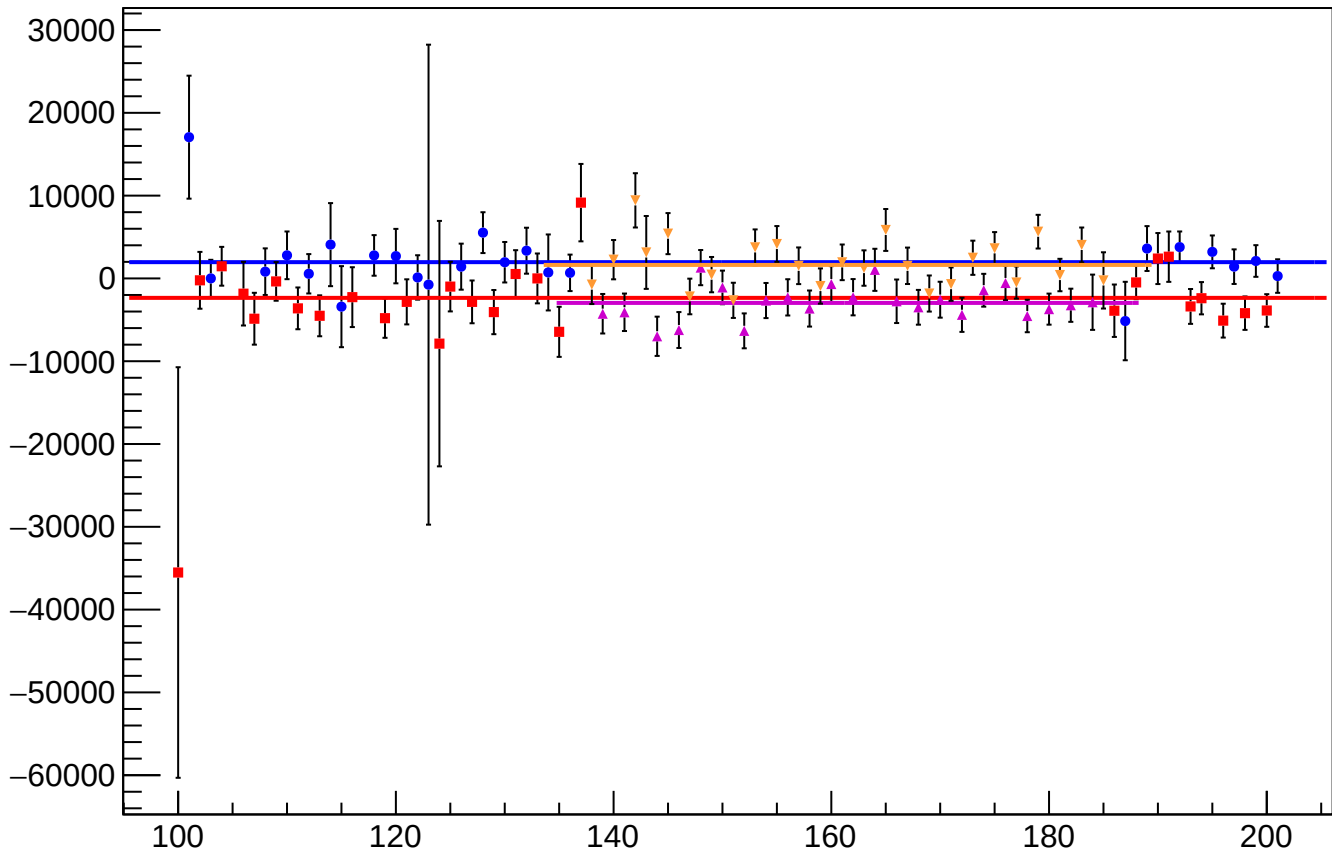
Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

+ sign 4810.507+/-0.639 χ^2/NDF : 2473562.2/48

All: 4685.818+/-0.442 χ^2/NDF : 6917367.9/99

- sign 4571.487+/-0.612 χ^2/NDF : 4370829.9/50

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1964.809 ± 539.987 χ^2/NDF : 15.0/23

Left Out: 1630.035 ± 447.063 χ^2/NDF : 35.4/24

Right Out: -2348.794 ± 505.556 χ^2/NDF : 28.3/27

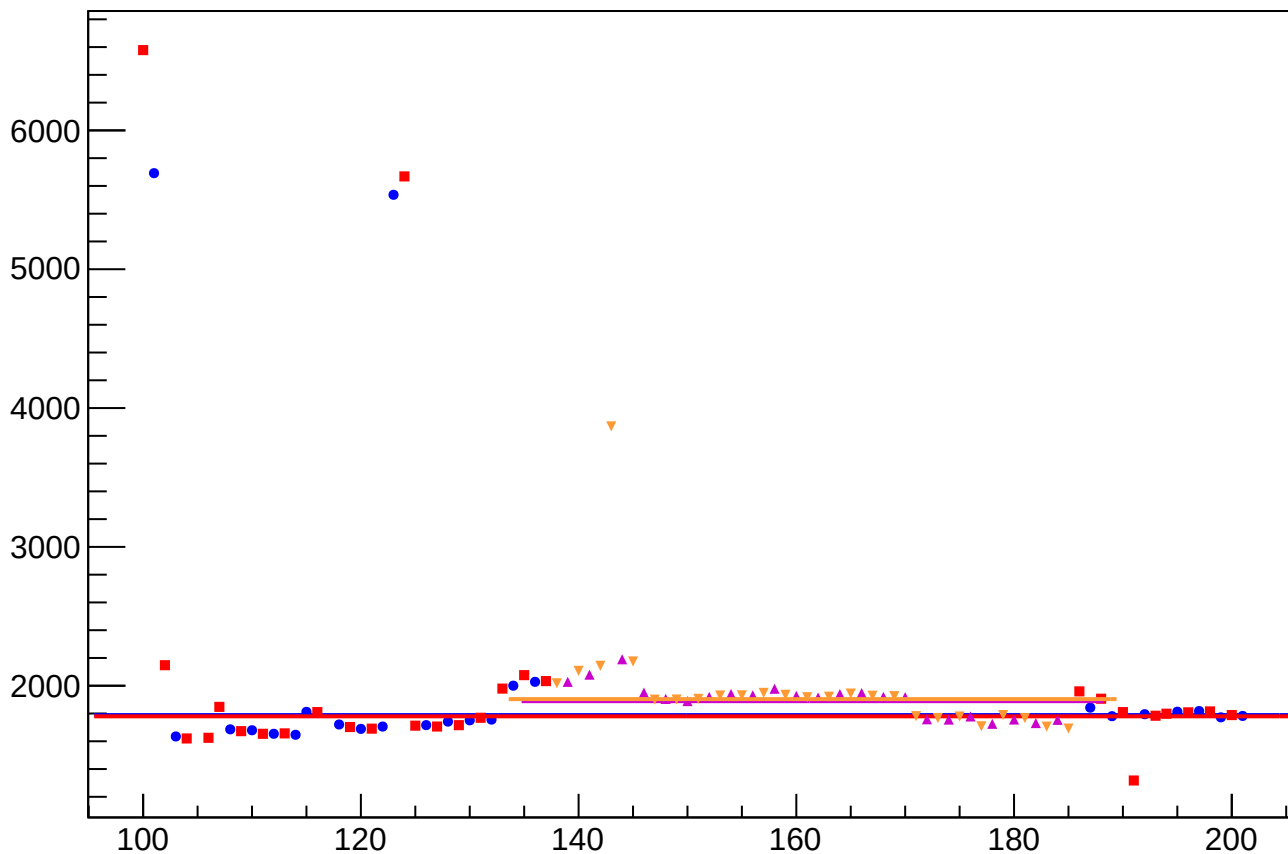
Left In: -2958.620 ± 453.688 χ^2/NDF : 20.4/22

+ sign 1766.182 ± 344.359 χ^2/NDF : 50.7/48

All: -503.943 ± 241.095 χ^2/NDF : 185.4/99

- sign -2686.585 ± 337.659 χ^2/NDF : 49.5/50

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1788.579+/-0.382 χ^2/NDF : 645870.6/23

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1779.625+/-0.356 χ^2/NDF : 368597.6/27

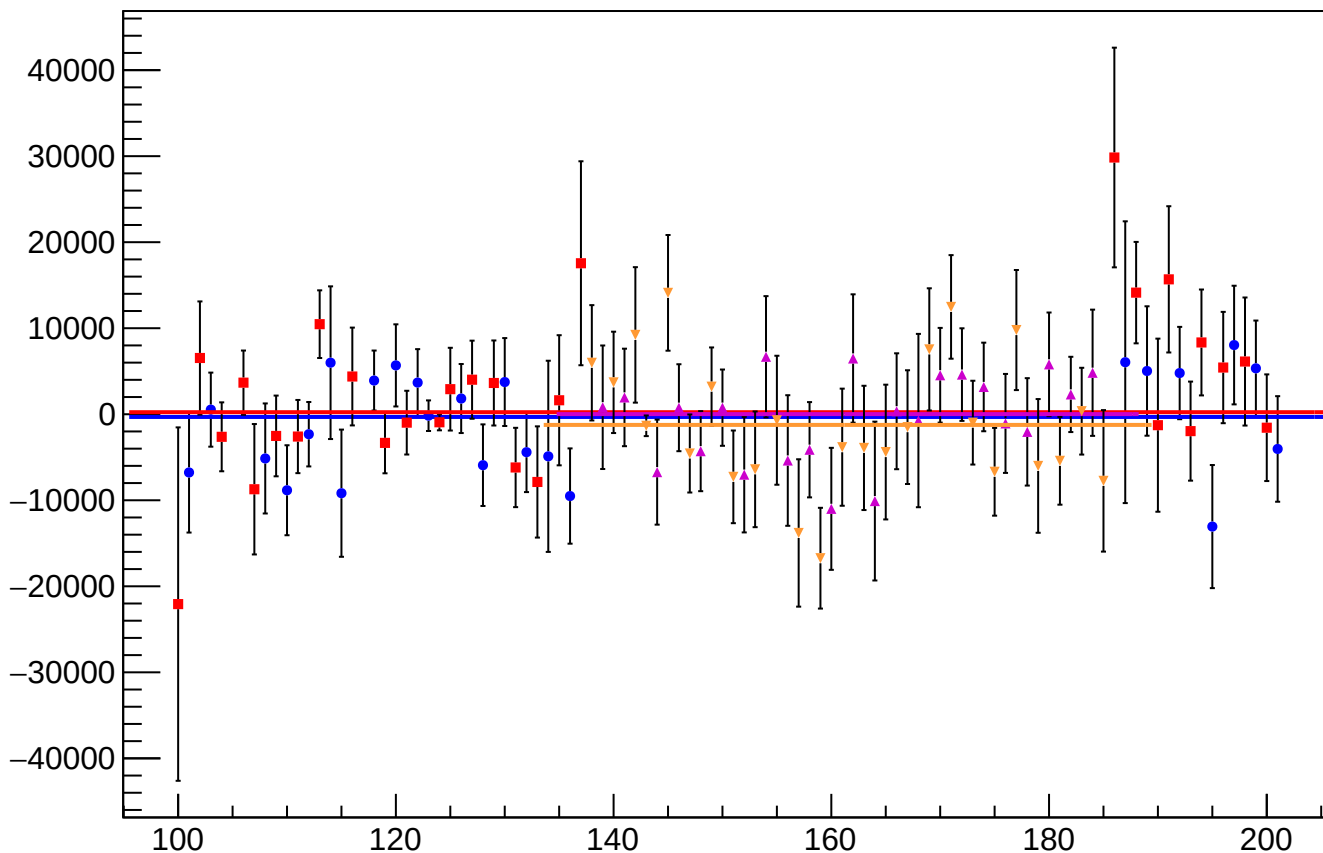
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1856.833+/-0.243 χ^2/NDF : 1241303.4/48

All: 1848.220+/-0.170 χ^2/NDF : 1790767.7/99

- sign 1839.966+/-0.238 χ^2/NDF : 547013.8/50

asym_atr1l2_avg_correction_mean vs Slug



Right In: -314.664 ± 939.025 χ^2/NDF : 24.1/23

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: 237.728 ± 693.202 χ^2/NDF : 40.3/27

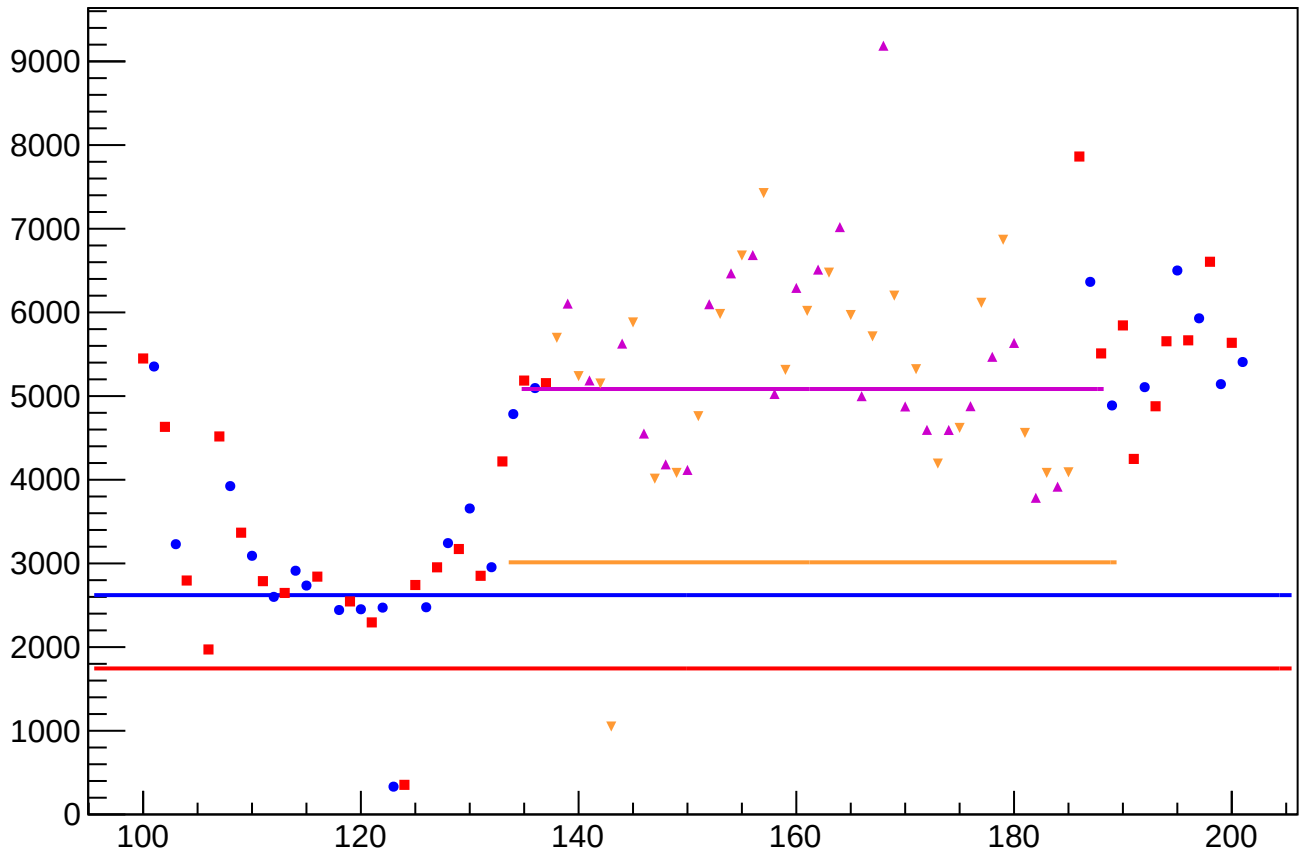
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -815.040 ± 636.290 χ^2/NDF : 58.5/48

All: -290.143 ± 438.618 χ^2/NDF : 113.4/99

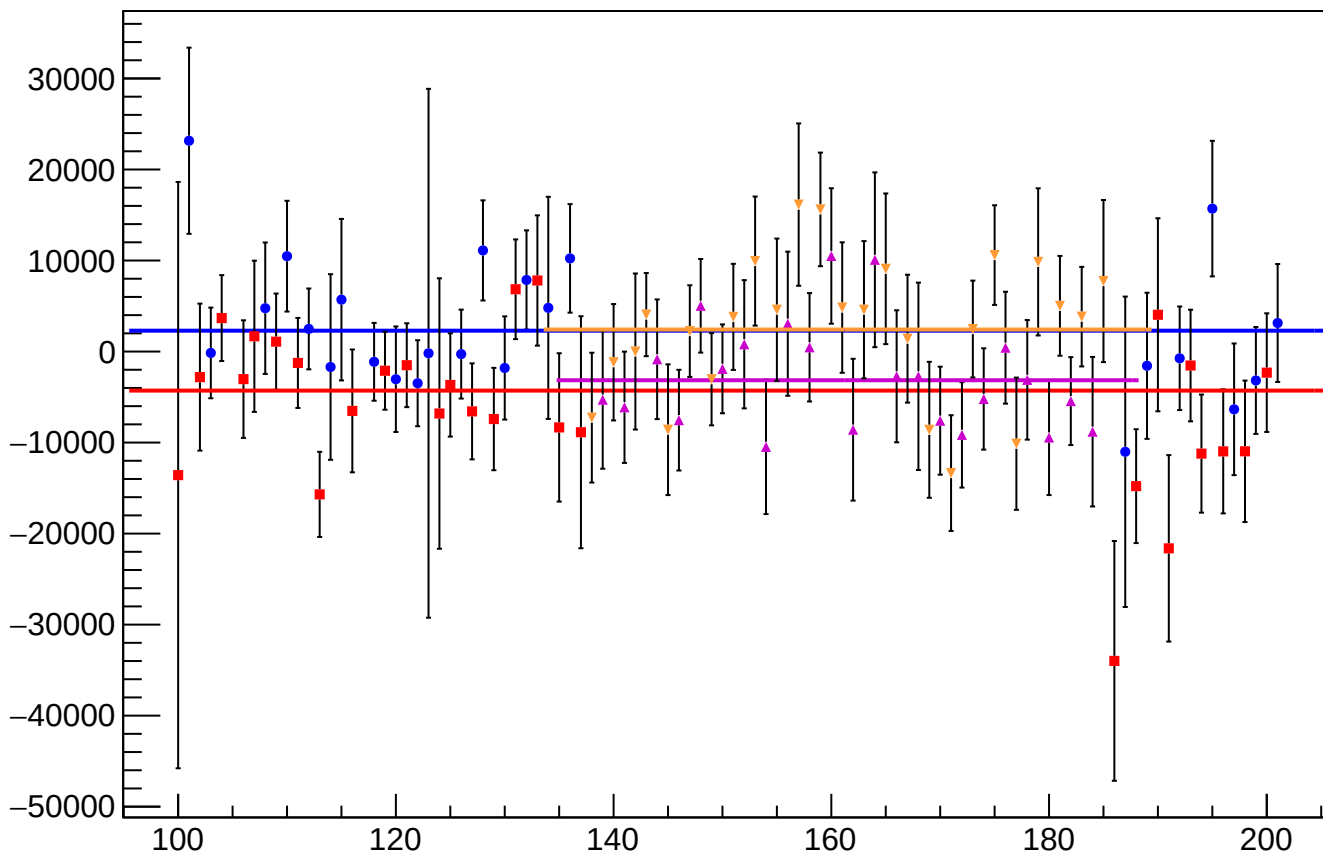
- sign 185.115 ± 605.456 χ^2/NDF : 53.5/50

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2621.182 $\pm$ 0.664	χ^2 /NDF: 6965172.0/23	+ sign 2833.241 $\pm$ 0.450	χ^2 /NDF: 19424514.2/48
Left Out: 3013.268 $\pm$ 0.612	χ^2 /NDF: 12270753.9/24	All: 2677.717 $\pm$ 0.310	χ^2 /NDF: 44877017.3/50
Right Out: 1744.926 $\pm$ 0.490	χ^2 /NDF: 12912646.2/27	- sign 2536.900 $\pm$ 0.428	χ^2 /NDF: 25224829.8/50
Left In: 5084.645 $\pm$ 0.879	χ^2 /NDF: 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2291.705 $\pm$ 1276.172 χ^2 /NDF: 22.5/23

Left Out: 2417.210 $\pm$ 1286.482 χ^2 /NDF:29.9/24

Right Out: -4289.587 $\pm$ 1208.580 χ^2 /NDF: 34.0/27

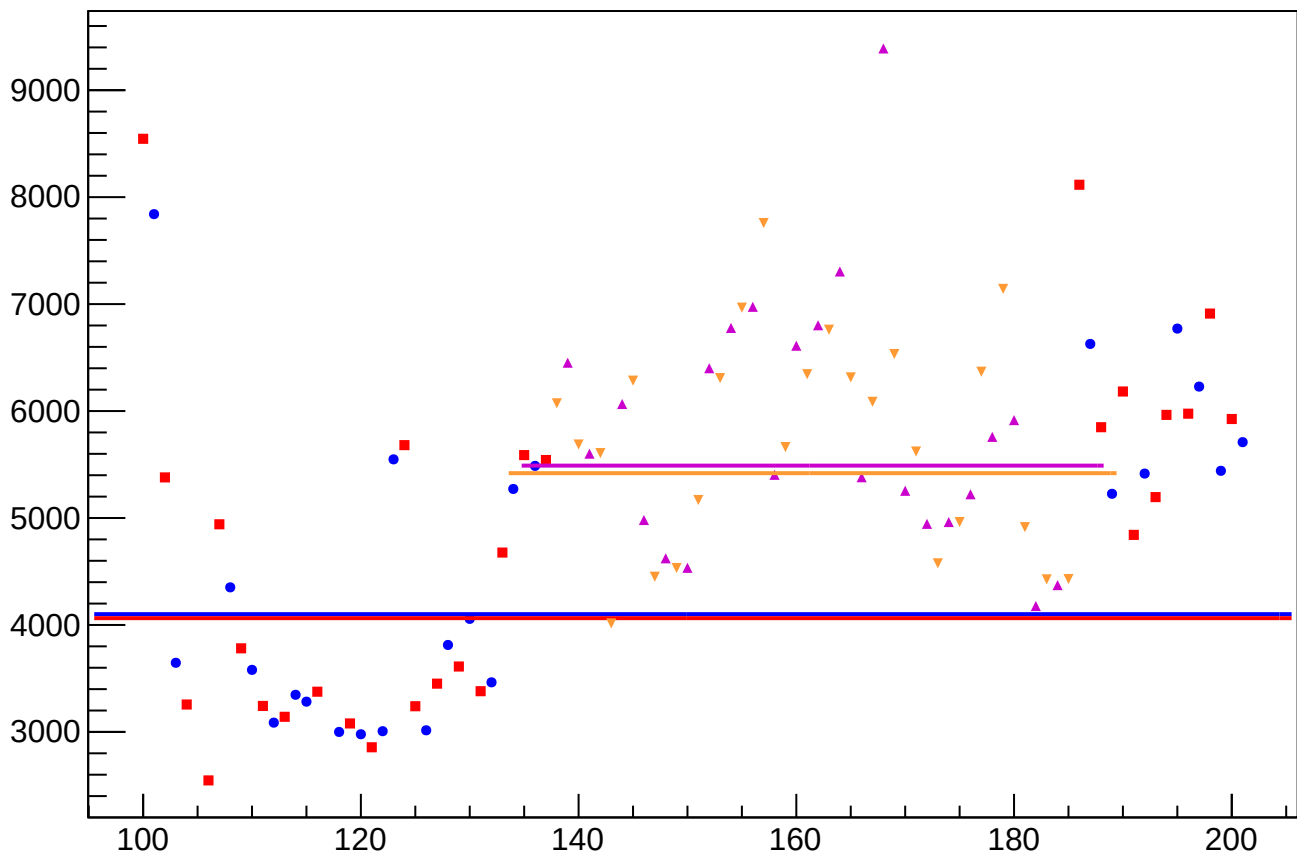
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

+ sign 2353.953 $\pm$ 906.013 χ^2 /NDF: 52.4/48

All: -744.193 $\pm$ 637.323 χ^2 /NDF: 125.5/99

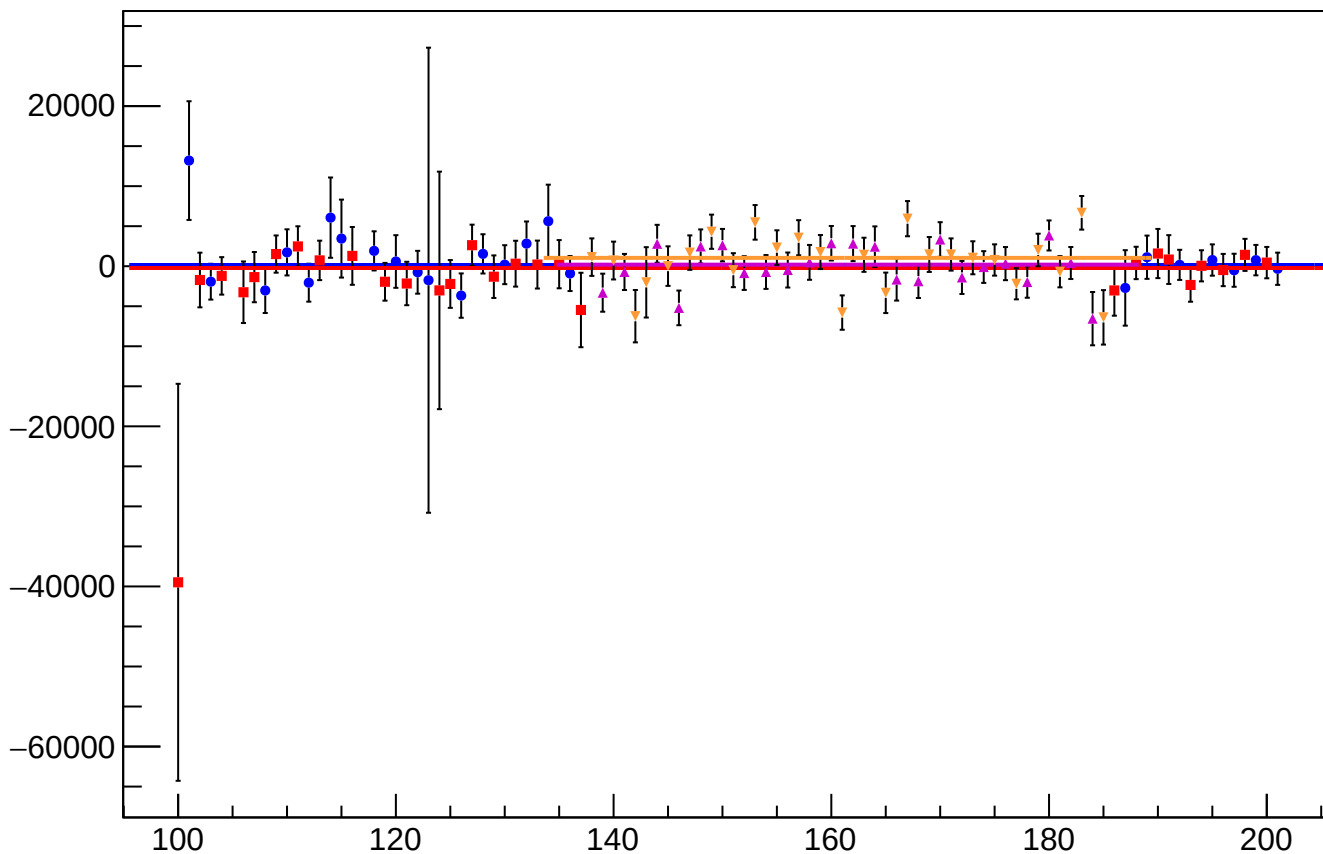
- sign -3778.847 $\pm$ 896.682 χ^2 /NDF: 49.9/50

asym_atr1l2_avg_rms vs Slug



Right In: 4100.897+/-0.902	χ^2/NDF : 1859461.7/23	+ sign 4754.794+/-0.641	χ^2/NDF : 4028137.7/48
Left Out: 5419.305+/-0.910	χ^2/NDF : 1109972.1/24		
Right Out: 4063.565+/-0.845	χ^2/NDF : 2275084.8/27	All: 4725.502+/-0.449	χ^2/NDF : 8636039.1/99
Left In: 5489.885+/-0.946	χ^2/NDF : 1064353.3/22	- sign 4697.150+/-0.630	χ^2/NDF : 4603787.3/50

reg_asym_atr1l2_dd_mean vs Slug



Right In: 151.539 $\pm$ 537.395 χ^2 /NDF: 14.6/23

Left Out: 1041.262 $\pm$ 446.249 χ^2 /NDF: 48.6/24

Right Out: -220.681 $\pm$ 503.341 χ^2 /NDF: 13.1/27

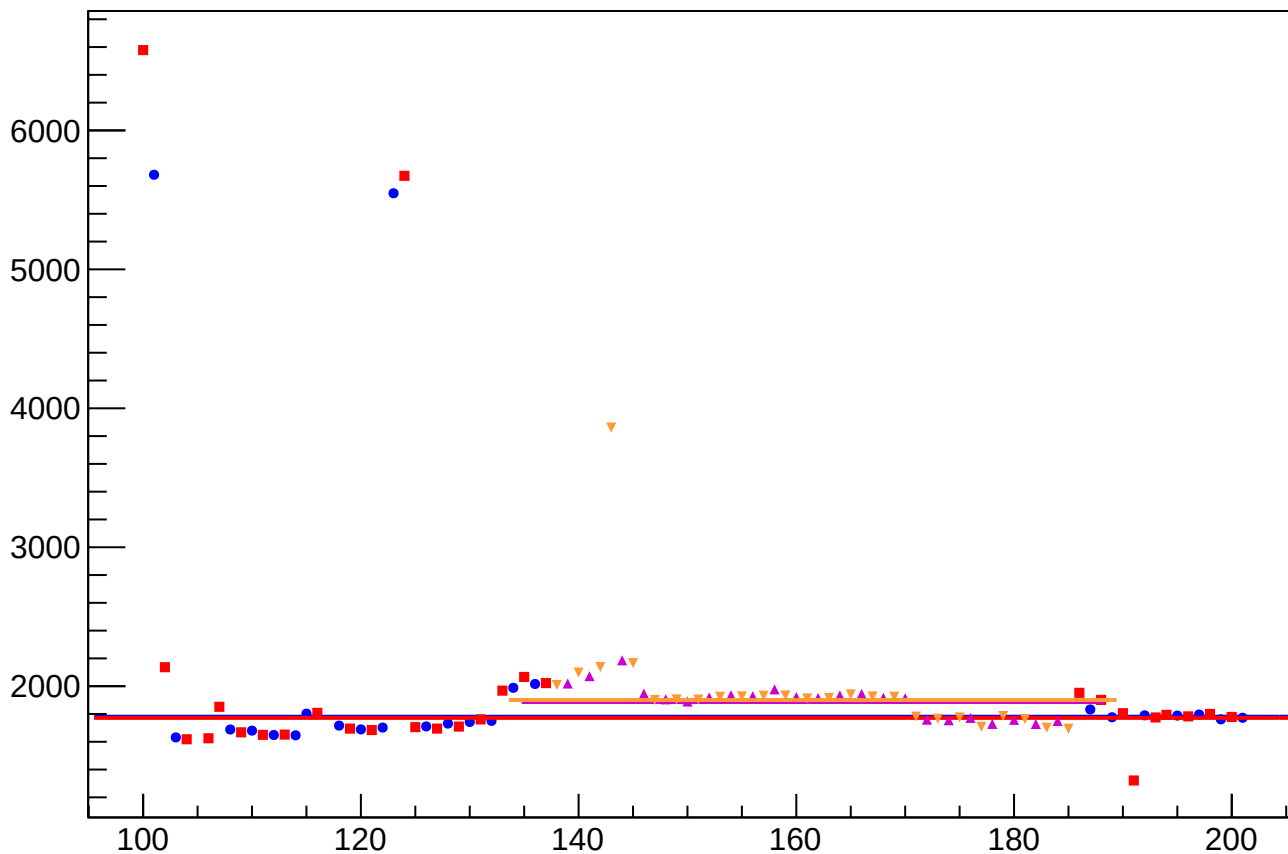
Left In: 191.966 $\pm$ 453.055 χ^2 /NDF: 30.0/22

+ sign 678.141 $\pm$ 343.314 χ^2 /NDF: 64.8/48

All: 336.223 $\pm$ 240.401 χ^2 /NDF: 110.2/99

- sign 7.279 $\pm$ 336.737 χ^2 /NDF: 43.5/50

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1780.102 $\pm$ 0.380 χ^2 /NDF: 643684.1/23

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1772.067 $\pm$ 0.355 χ^2 /NDF: 365254.1/27

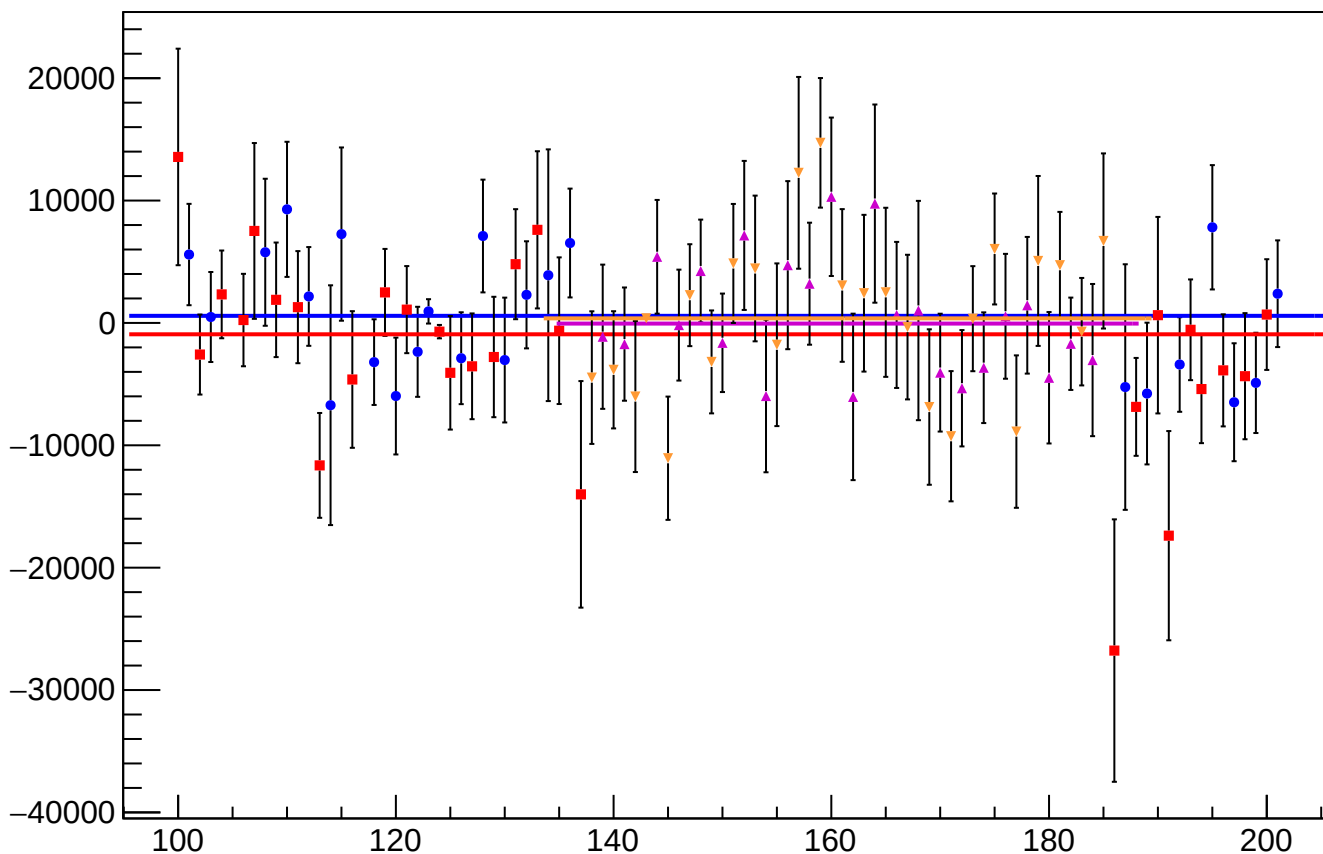
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1851.240 $\pm$ 0.243 χ^2 /NDF: 1240791.3/48

All: 1842.952 $\pm$ 0.170 χ^2 /NDF: 1789068.8/99

- sign 1835.005 $\pm$ 0.238 χ^2 /NDF: 545994.2/50

asym_atr1l2_dd_correction_mean vs Slug



Right In: 579.805 ± 696.261 χ^2/NDF : 24.3/23

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -928.478 ± 469.364 χ^2/NDF : 34.1/27

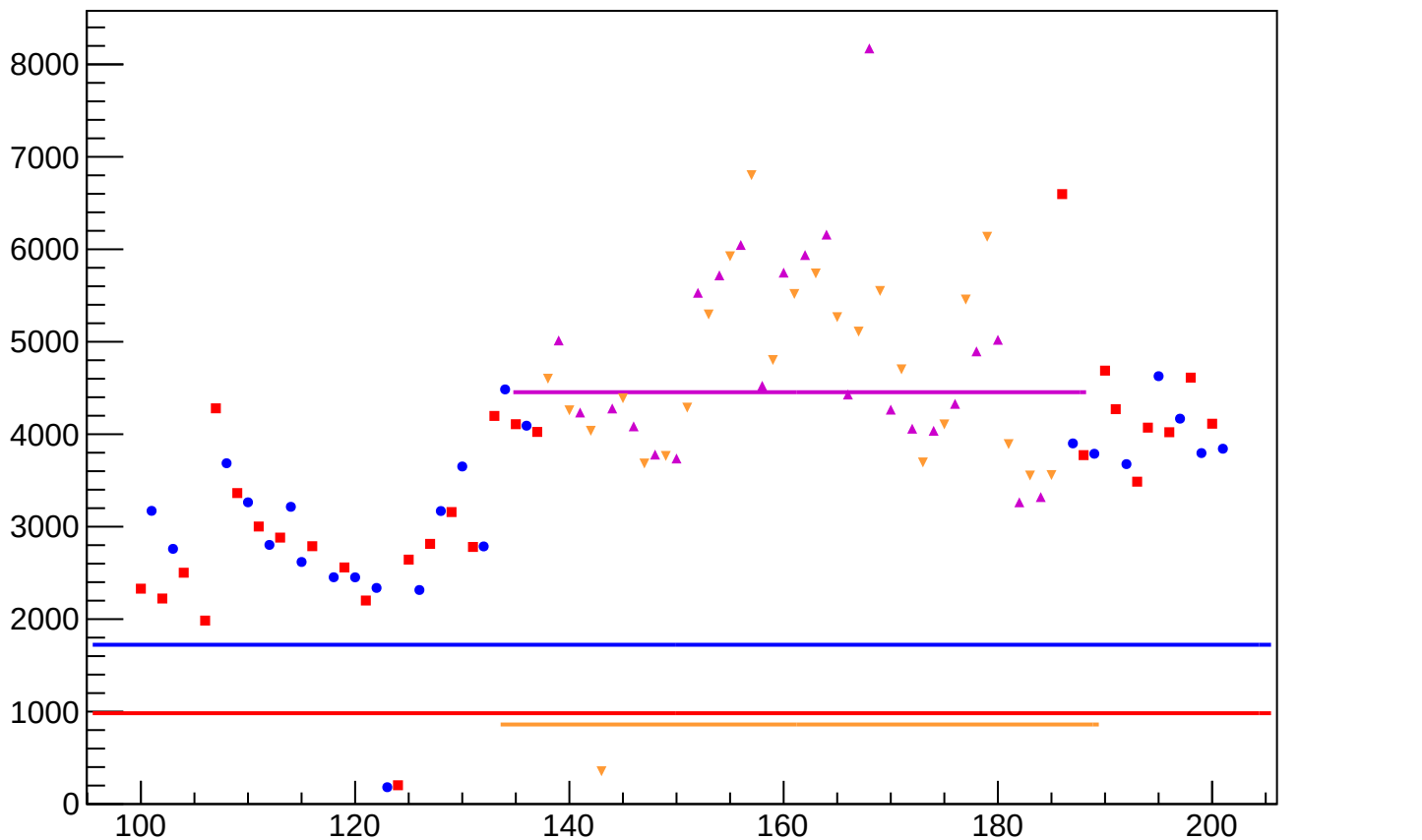
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 421.075 ± 334.954 χ^2/NDF : 55.2/48

All: -35.412 ± 264.497 χ^2/NDF : 109.2/99

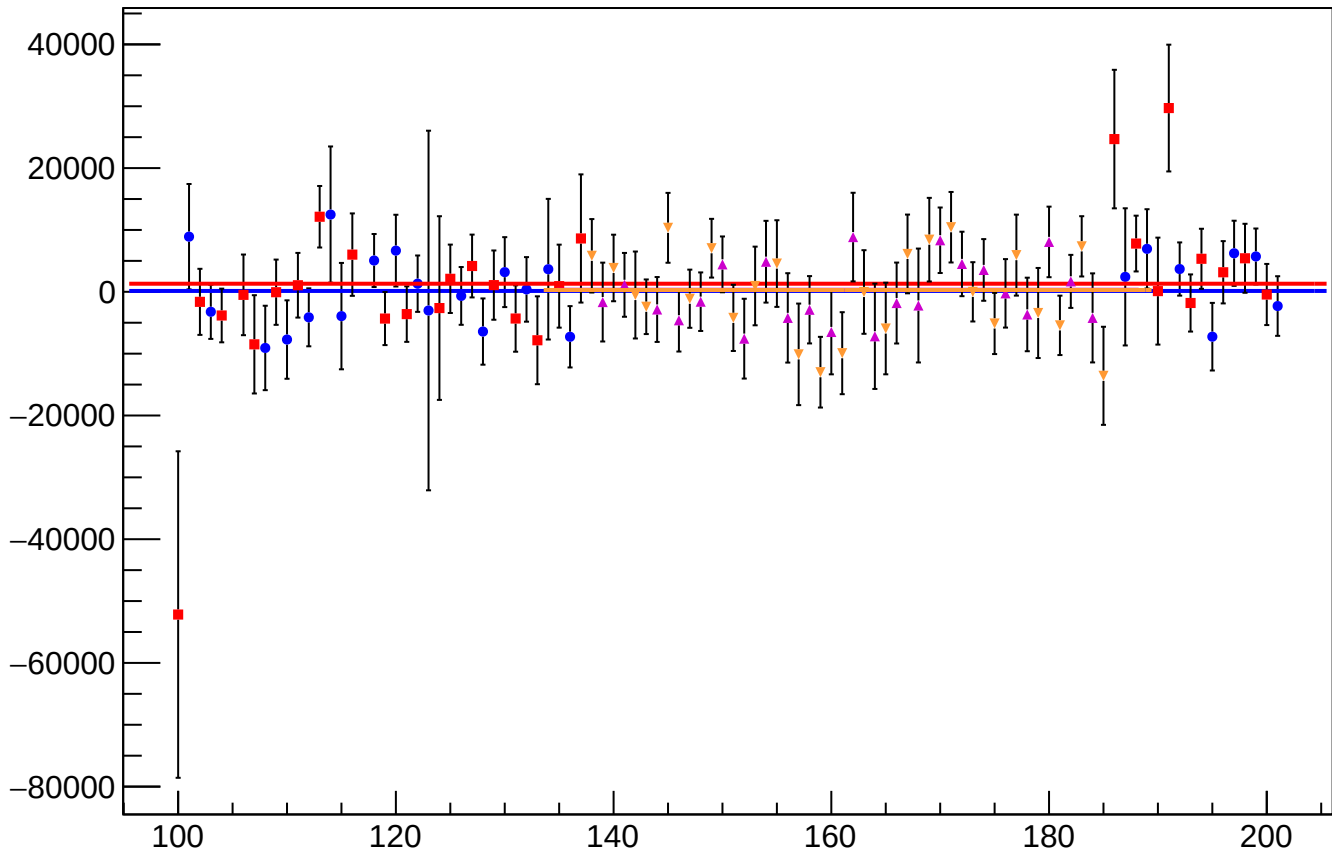
- sign -791.528 ± 431.088 χ^2/NDF : 49.1/50

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1722.921+/-0.492	χ^2/NDF : 10353723.4/23	+ sign 1060.128+/-0.237	χ^2/NDF : 39051918.5/48
Left Out: 860.545+/-0.270	χ^2/NDF : 26340106.5/24	All: 1235.418+/-0.187	χ^2/NDF : 75789707.6/50
Right Out: 982.614+/-0.332	χ^2/NDF : 16813759.4/27	- sign 1525.765+/-0.305	χ^2/NDF : 35282783.4/50
Left In: 4454.402+/-0.771	χ^2/NDF : 1349758.1/22		

asym_atr1l2_dd_mean vs Slug



Right In: 138.077 $\pm$ 1148.387 χ^2 /NDF: 20.9/23

Left Out: 288.508 $\pm$ 1155.419 χ^2 /NDF:32.4/24

Right Out: 1306.317 $\pm$ 1088.270 χ^2 /NDF: 35.4/27

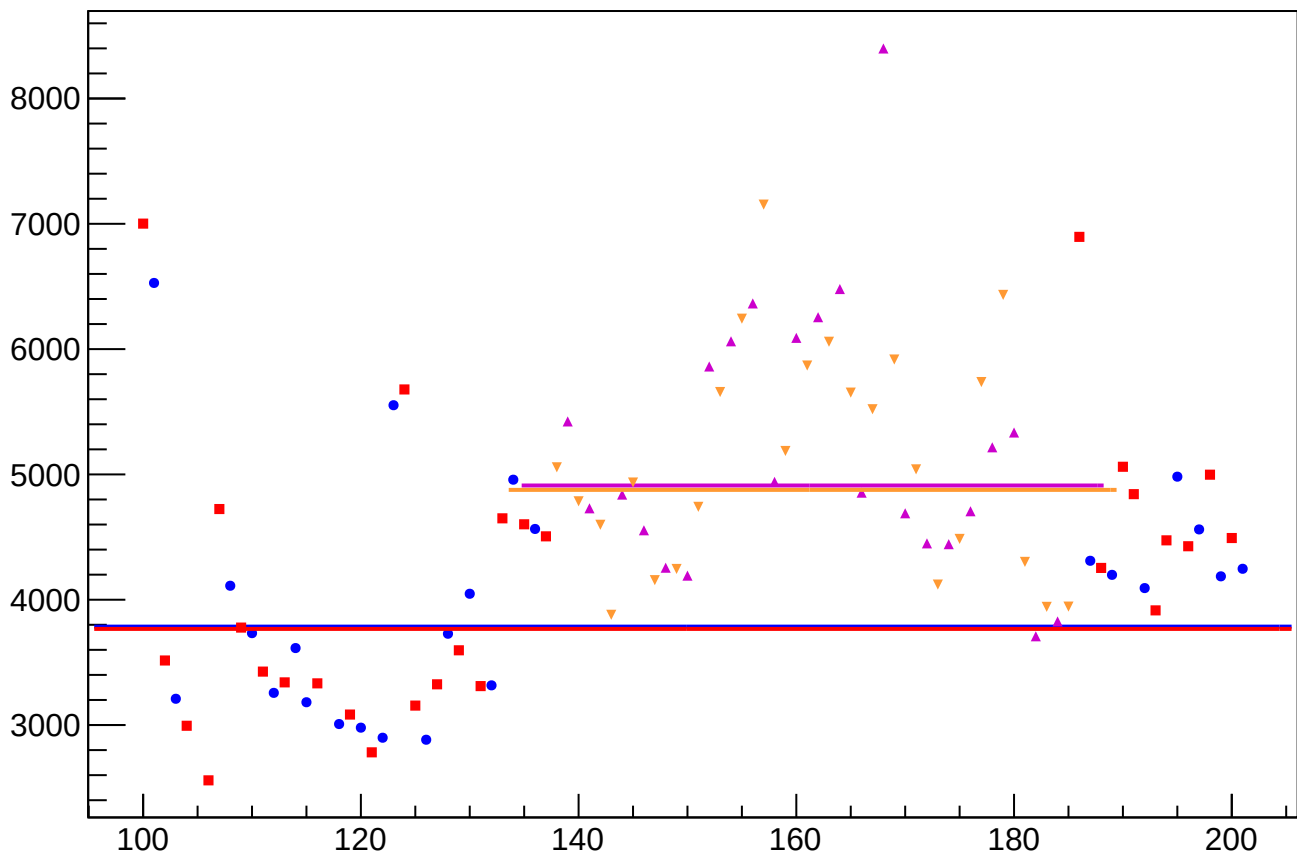
Left In: 332.488 $\pm$ 1196.011 χ^2 /NDF:14.7/22

+ sign 212.833 $\pm$ 814.507 χ^2 /NDF: 53.4/48

All: 542.893 $\pm$ 572.525 χ^2 /NDF: 104.1/99

- sign 865.232 $\pm$ 804.924 χ^2 /NDF: 50.4/50

asym_atr1l2_dd_rms vs Slug



Right In: 3785.301+/-0.812 χ^2/NDF : 832547.4/23

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3767.102+/-0.763 χ^2/NDF : 1044749.5/27

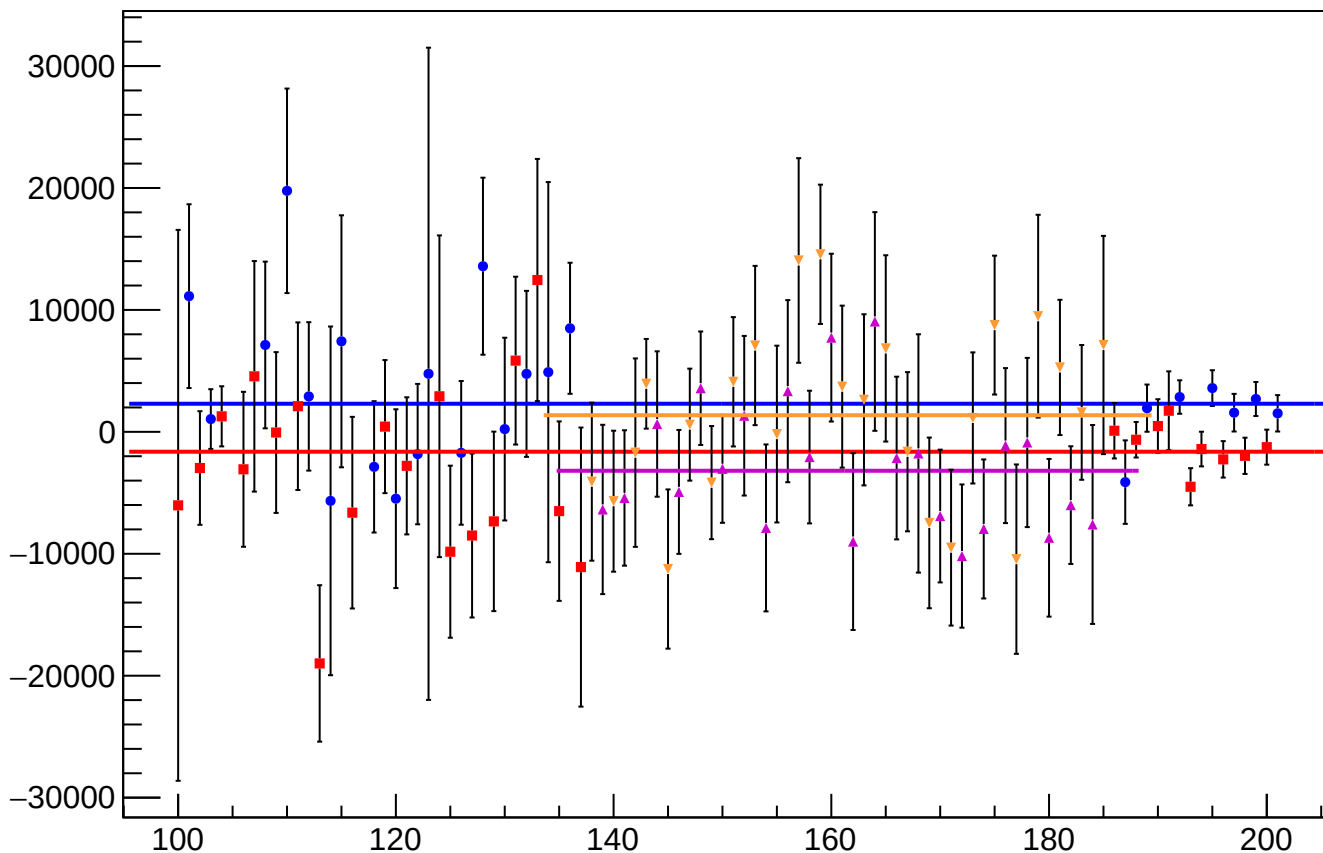
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4327.600+/-0.576 χ^2/NDF : 2702553.8/48

All: 4303.658+/-0.404 χ^2/NDF : 5803622.3/99

- sign 4280.499+/-0.566 χ^2/NDF : 3097668.9/50

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2305.390 $\pm$ 558.698 χ^2 /NDF: 19.1/23

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -1629.597 $\pm$ 513.090 χ^2 /NDF: 24.6/27

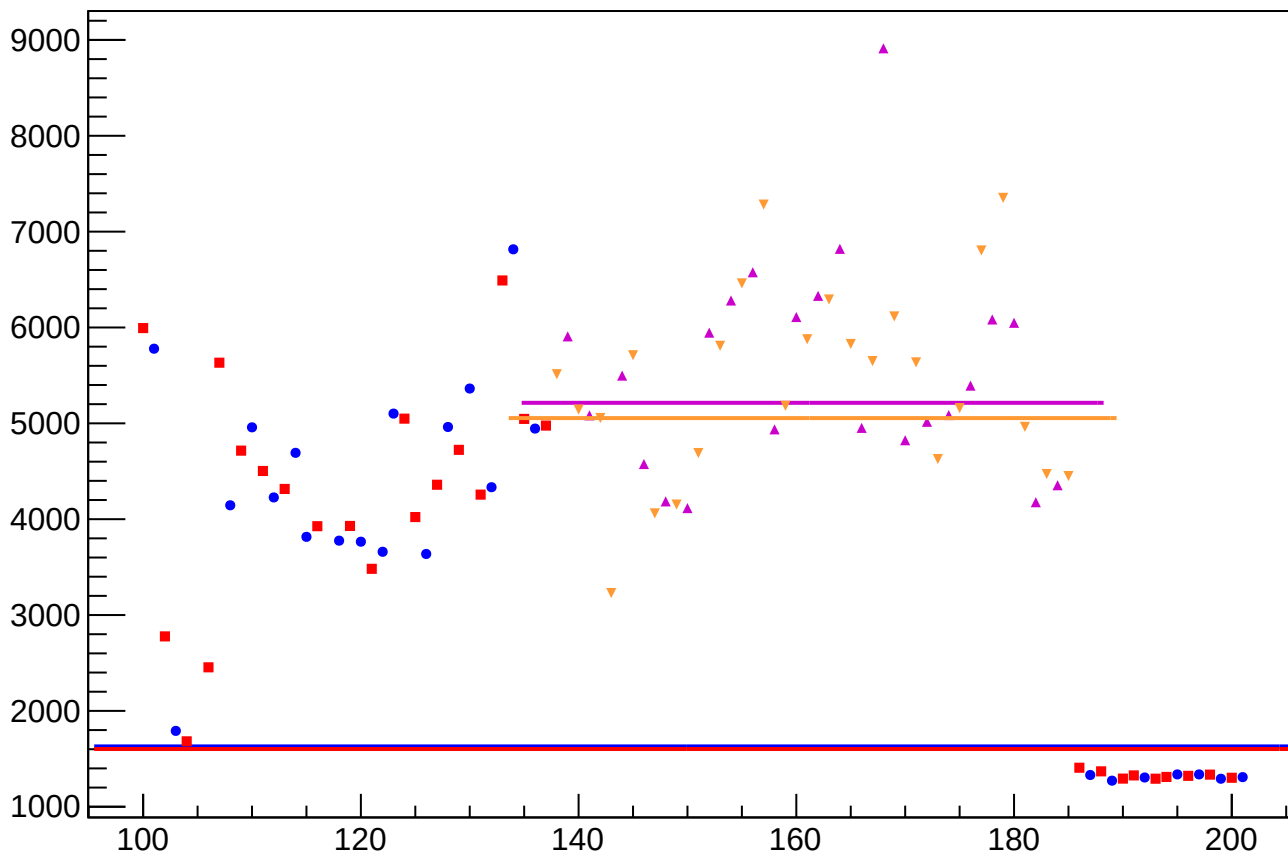
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 2139.304 $\pm$ 506.961 χ^2 /NDF: 47.6/48

All: 18.692 $\pm$ 346.909 χ^2 /NDF: 120.3/99

- sign -1848.707 $\pm$ 475.733 χ^2 /NDF: 39.9/50

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1629.348+/-0.395 χ^2/NDF : 5519785.1/23

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 1602.304+/-0.362 χ^2/NDF : 5510189.9/27

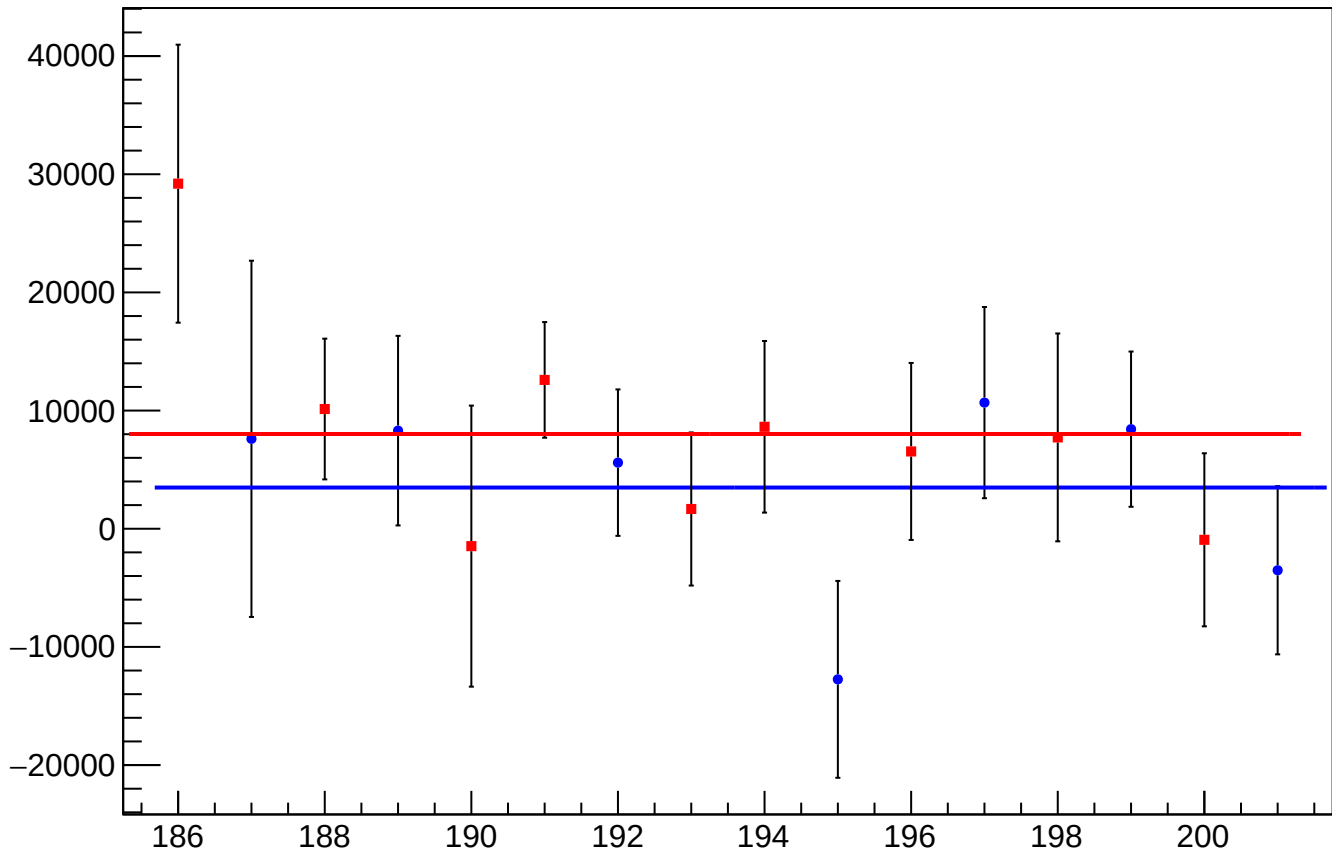
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 2234.363+/-0.358 χ^2/NDF : 20235600.4/48

All: 2167.093+/-0.245 χ^2/NDF : 40775311.6/50

- sign 2107.985+/-0.336 χ^2/NDF : 20473553.6/50

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 3486.469+/-2903.939 χ^2/NDF : 6.7/6

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

Right Out: 8018.276+/-2380.622 χ^2/NDF : 7.4/8

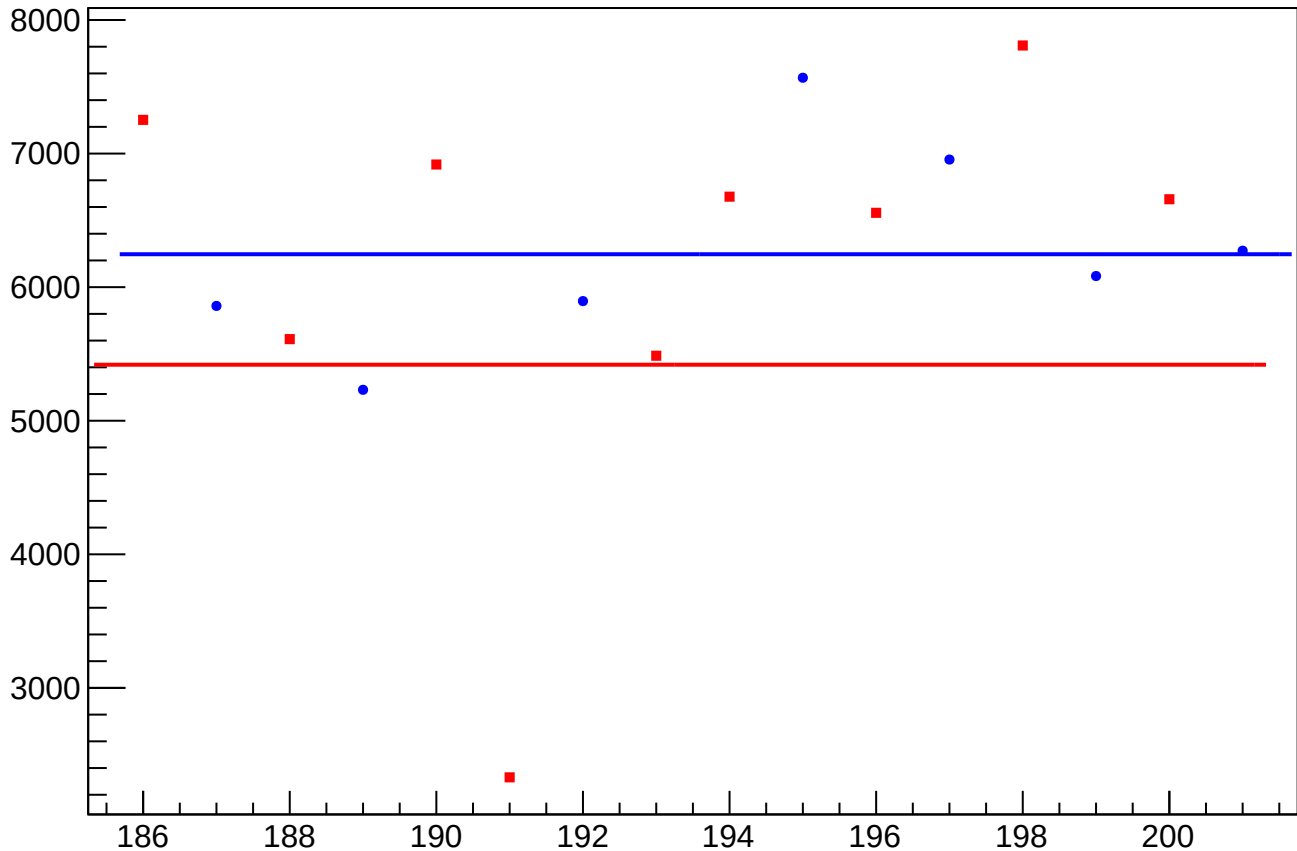
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 6196.788+/-1841.047 χ^2/NDF : 15.5/15

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 6246.534+/-2.053 χ^2/NDF : 106663.7/6

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

Right Out: 5419.413+/-1.683 χ^2/NDF : 1190402.7/8

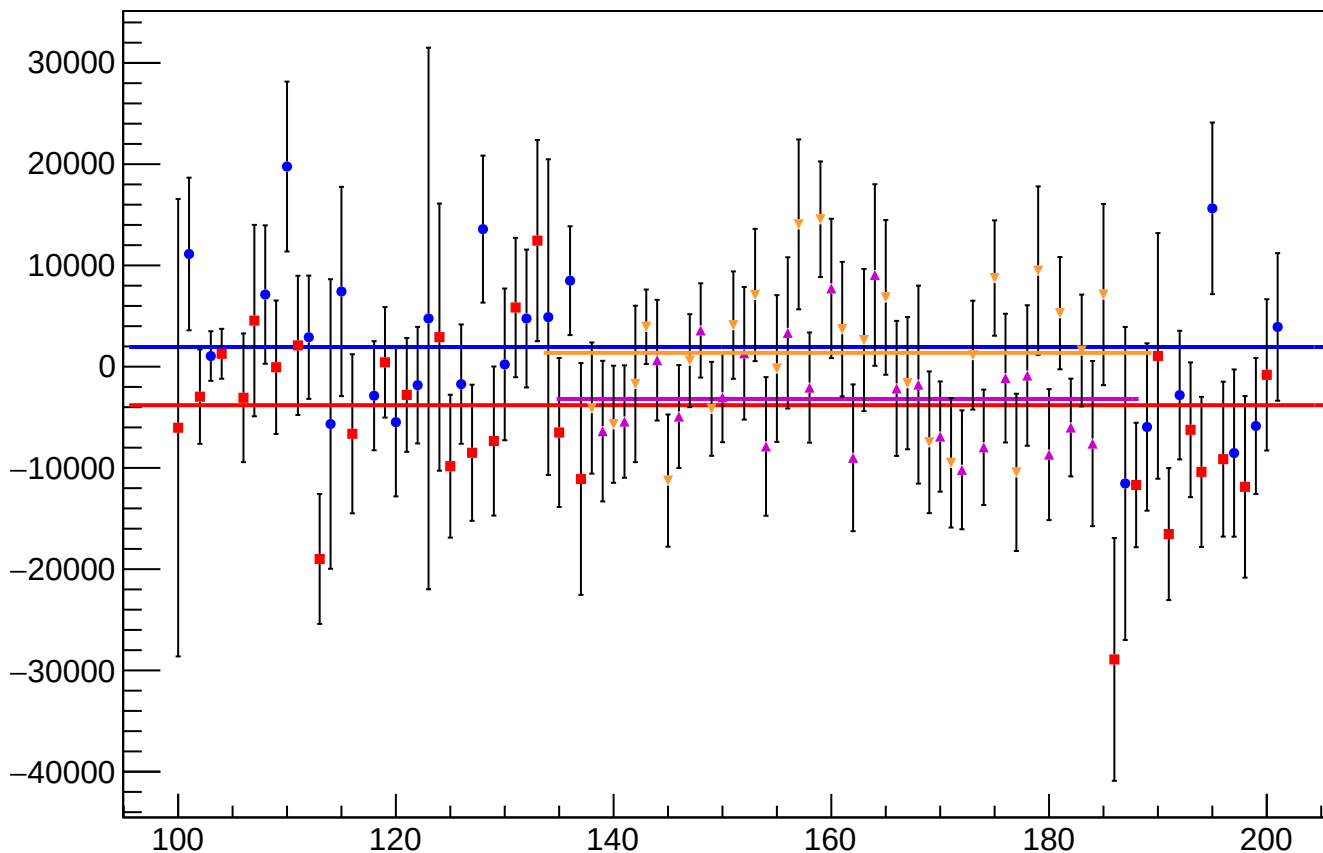
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 5751.861+/-1.302 χ^2/NDF : 1394104.4/15

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1942.257 $\pm$ 1307.523 χ^2 /NDF: 22.1/23

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -3803.068 $\pm$ 1217.977 χ^2 /NDF: 31.8/27

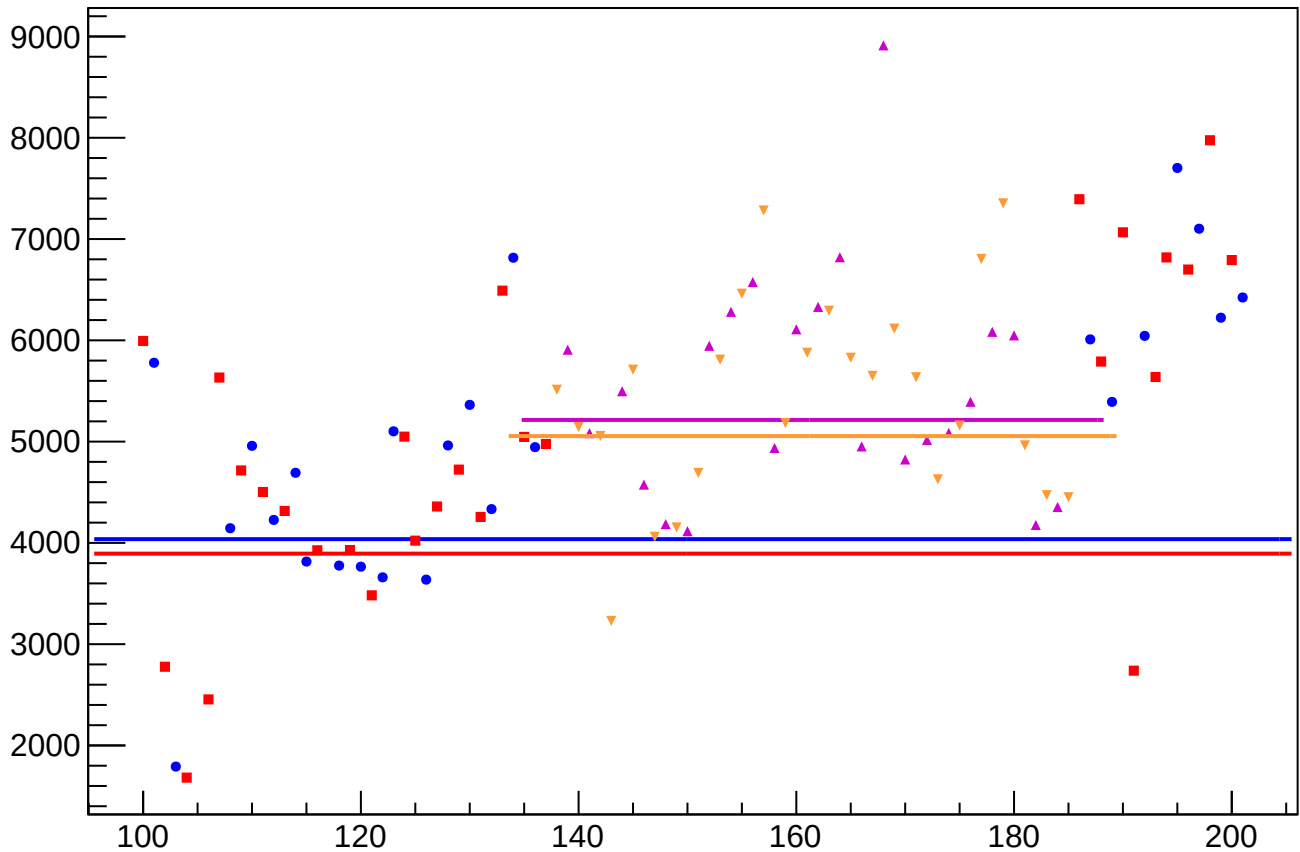
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1630.458 $\pm$ 886.598 χ^2 /NDF: 50.2/48

All: -961.662 $\pm$ 624.239 χ^2 /NDF: 113.1/99

- sign -3509.908 $\pm$ 879.063 χ^2 /NDF: 45.9/50

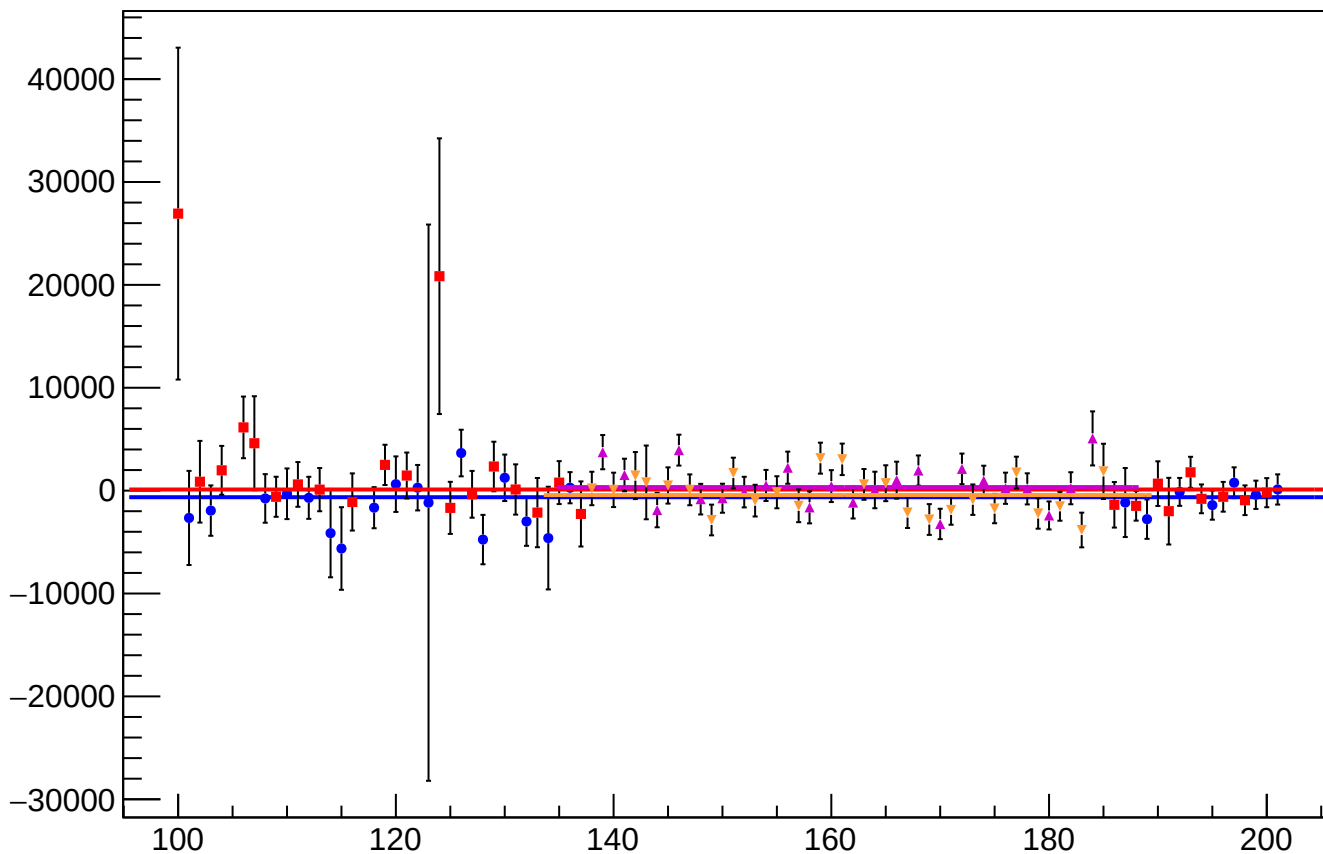
asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4037.013 $\pm$ 0.925 χ^2/NDF : 3430476.5/23
 Left Out: 5054.711 $\pm$ 0.853 χ^2/NDF : 1437224.7/24
 Right Out: 3893.859 $\pm$ 0.855 χ^2/NDF : 4271850.4/27
 Left In: 5214.120 $\pm$ 0.898 χ^2/NDF : 1052501.5/22

+ sign 4586.778 $\pm$ 0.627 χ^2/NDF : 5522255.2/48
 All: 4553.828 $\pm$ 0.441 χ^2/NDF : 11985647.2/9
 - sign 4521.675 $\pm$ 0.619 χ^2/NDF : 6457933.8/50

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -639.539 $\pm$ 423.735 χ^2 /NDF: 15.5/23

Left Out: -431.715 $\pm$ 320.540 χ^2 /NDF:33.1/24

Right Out: 110.155 $\pm$ 401.270 χ^2 /NDF: 20.2/27

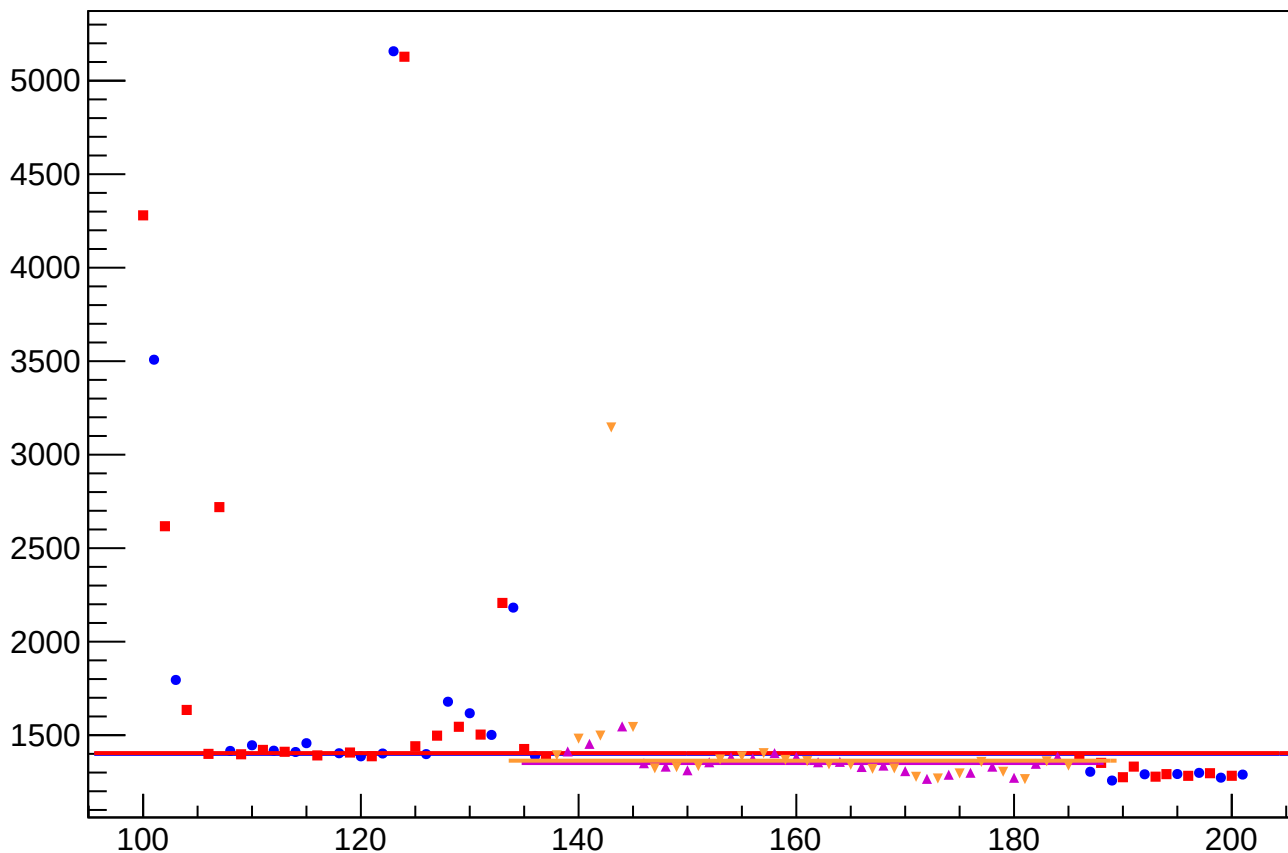
Left In: 343.737 $\pm$ 324.368 χ^2 /NDF:33.8/22

+ sign -507.355 $\pm$ 255.637 χ^2 /NDF: 48.7/48

All: -122.917 $\pm$ 179.556 χ^2 /NDF: 107.3/99

- sign 251.426 $\pm$ 252.258 χ^2 /NDF: 54.2/50

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1400.044+/-0.300 χ^2/NDF : 690208.2/23

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1404.027+/-0.284 χ^2/NDF : 796047.1/27

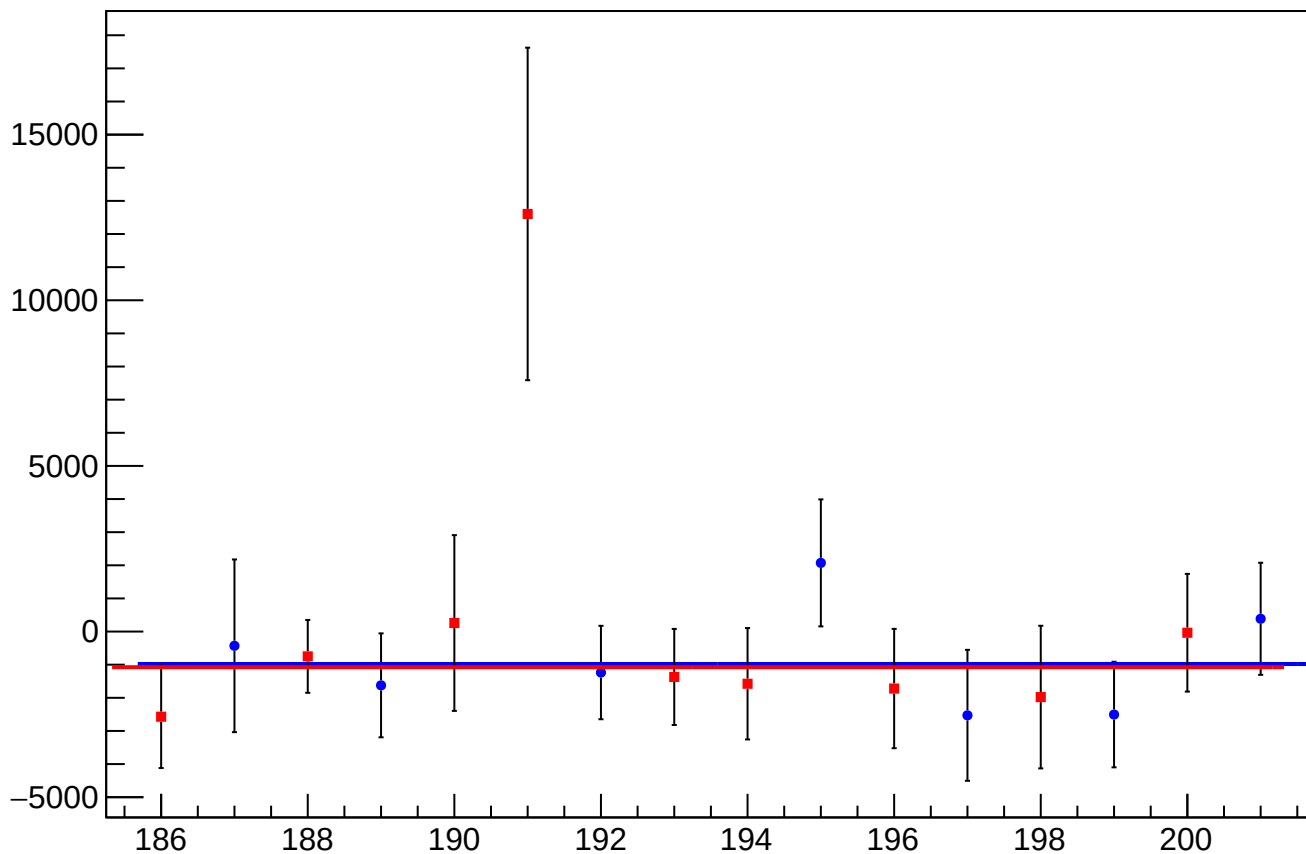
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1376.840+/-0.181 χ^2/NDF : 1274864.8/48

All: 1374.338+/-0.127 χ^2/NDF : 2159630.7/99

- sign 1371.901+/-0.178 χ^2/NDF : 884387.7/50

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -979.490+/-655.342 χ^2/NDF : 5.0/6

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

Right Out: -1075.850+/-568.378 χ^2/NDF : 9.5/8

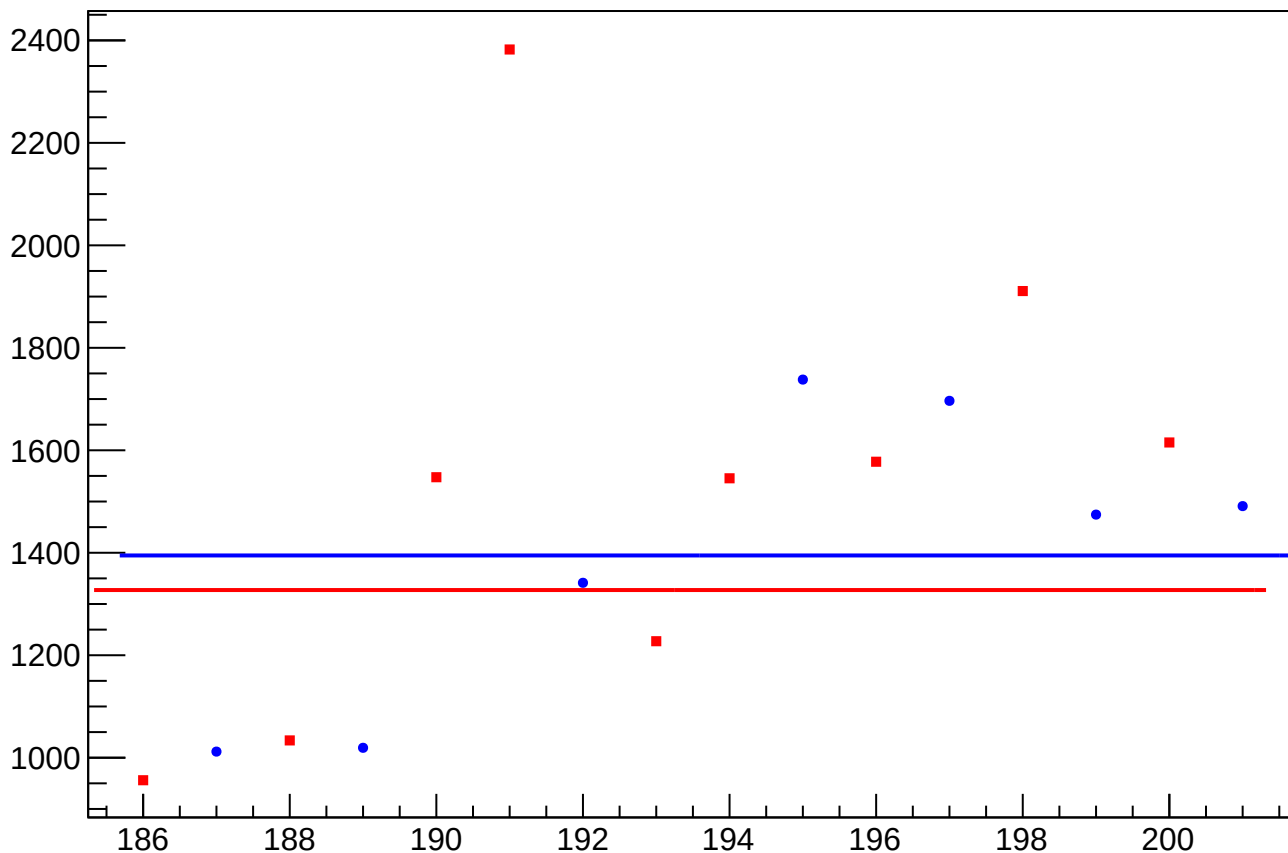
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1034.483+/-429.383 χ^2/NDF : 14.5/15

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1394.752 $\pm$ 0.463 χ^2 /NDF: 282840.6/6

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

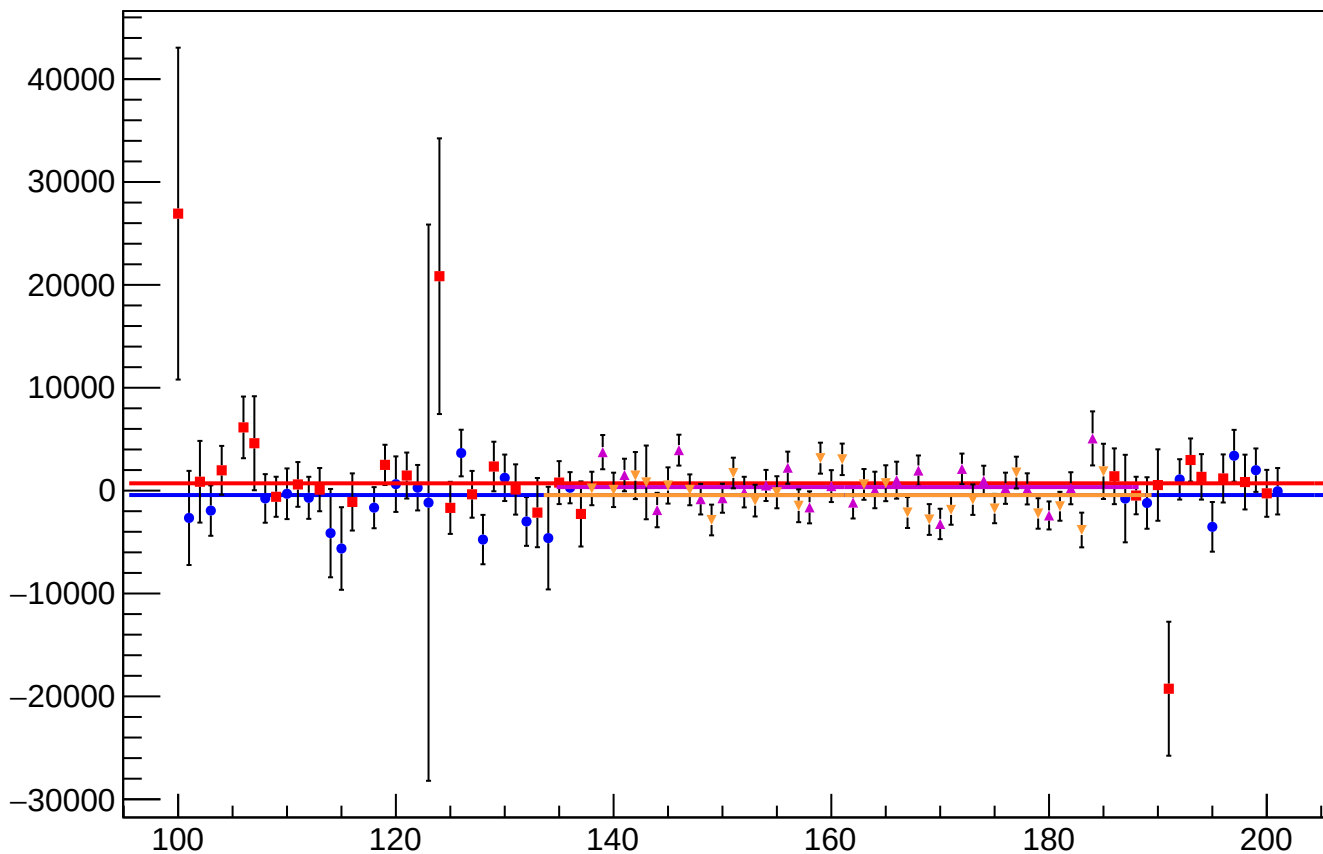
Right Out: 1327.248 $\pm$ 0.402 χ^2 /NDF: 640720.0/8

All: 1356.227 $\pm$ 0.304 χ^2 /NDF: 935671.2/15

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -429.604 ± 503.071 χ^2/NDF : 18.8/23

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 710.659 ± 482.195 χ^2/NDF : 25.7/27

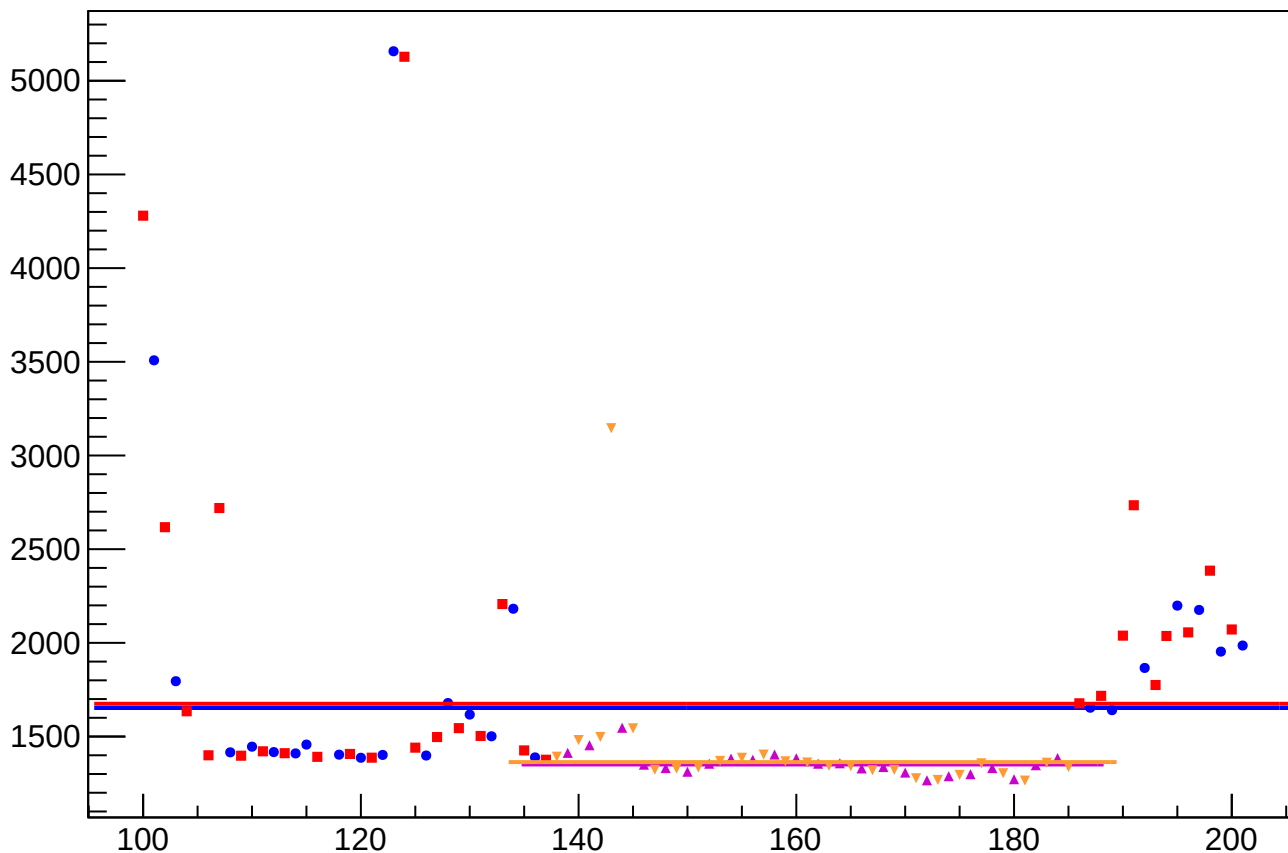
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -431.105 ± 270.329 χ^2/NDF : 51.9/48

All: 15.430 ± 190.730 χ^2/NDF : 117.2/99

- sign 458.047 ± 269.140 χ^2/NDF : 59.9/50

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1652.327+/-0.356 χ^2/NDF : 931313.5/23

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1674.874+/-0.341 χ^2/NDF : 1141730.4/27

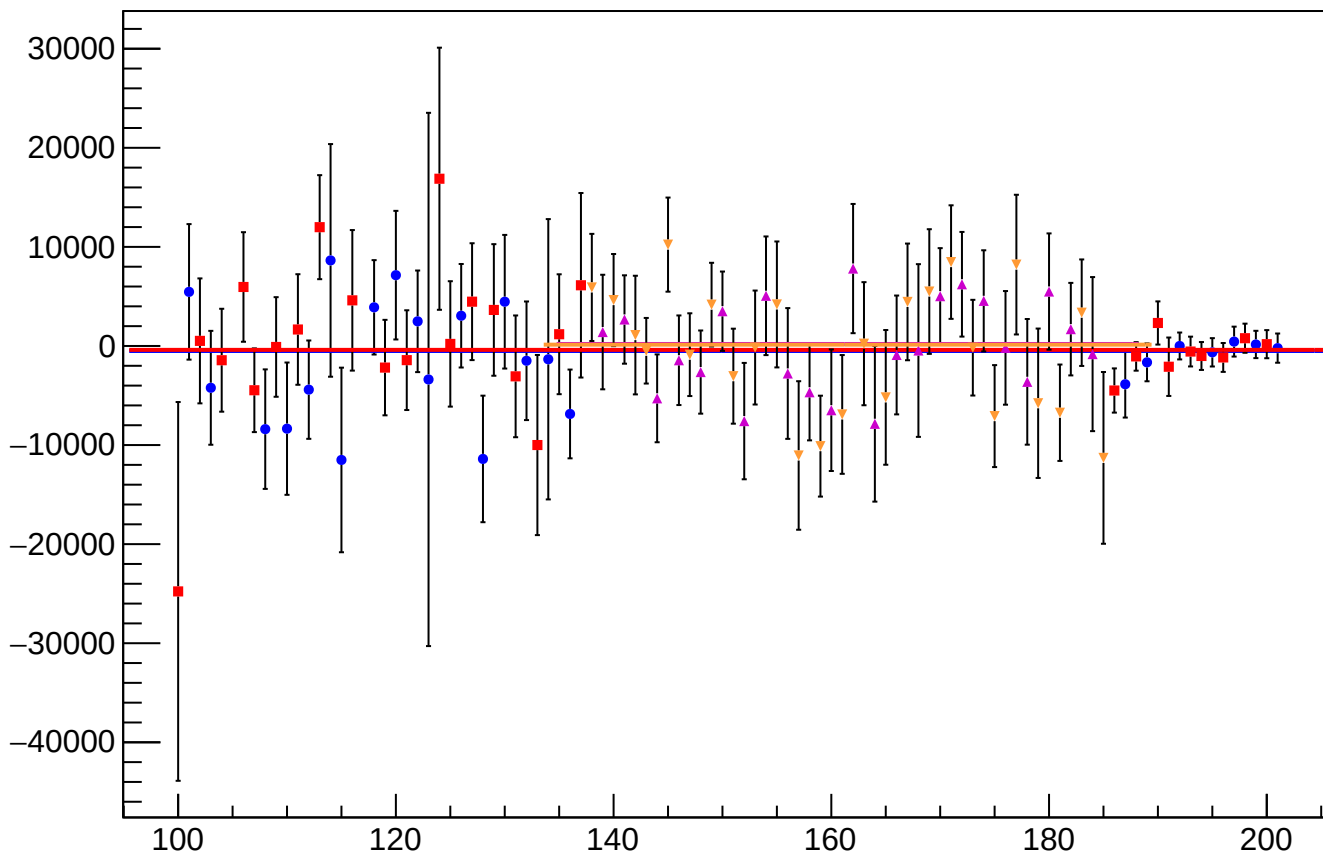
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1446.943+/-0.191 χ^2/NDF : 1975228.7/48

All: 1449.401+/-0.135 χ^2/NDF : 3805964.7/99

- sign 1451.837+/-0.190 χ^2/NDF : 1830406.9/50

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -503.688 ± 554.398 $\chi^2/\text{NDF}: 17.6/23$

Left Out: 132.142 ± 1065.543 $\chi^2/\text{NDF}: 28.1/24$

Right Out: -393.593 ± 505.722 $\chi^2/\text{NDF}: 21.7/27$

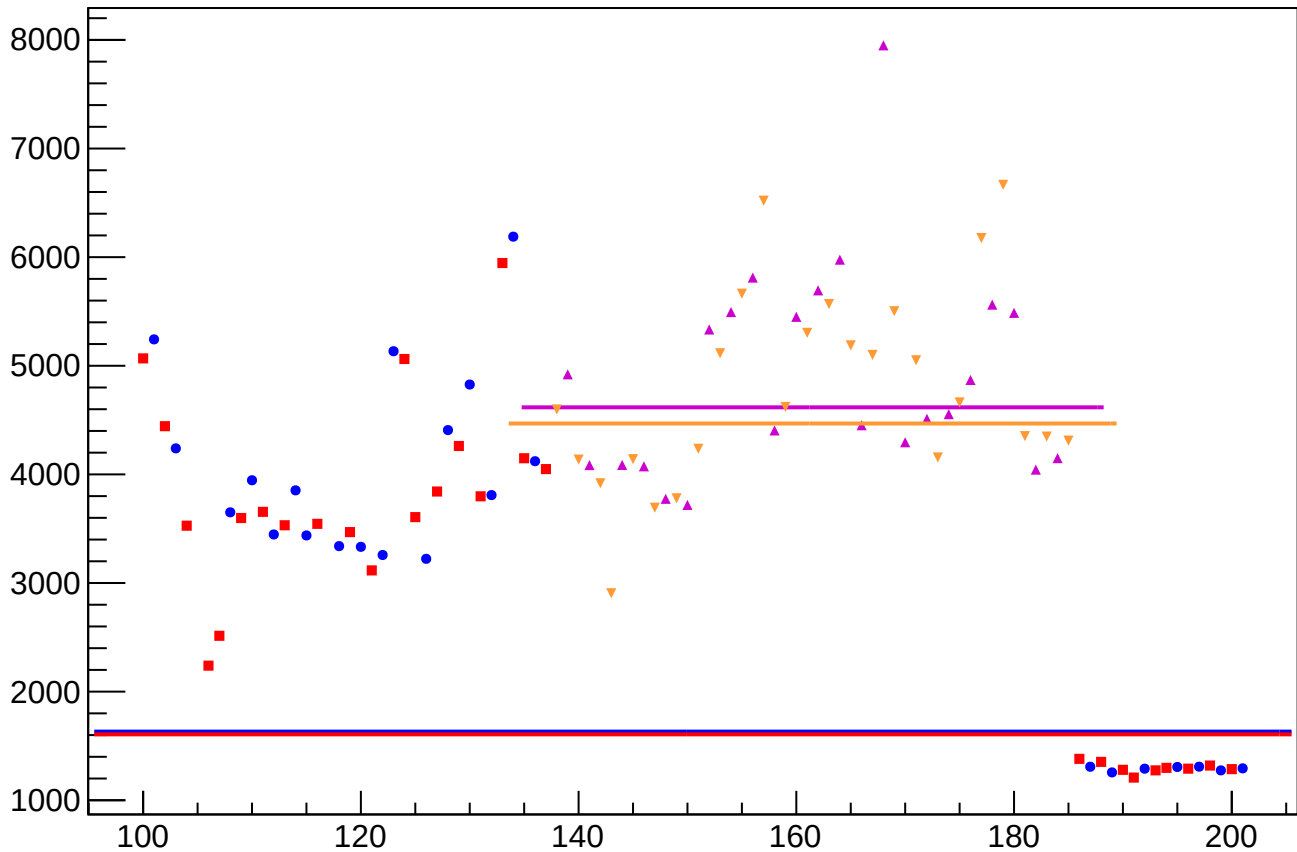
Left In: 200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

+ sign -368.233 ± 491.812 $\chi^2/\text{NDF}: 46.0/48$

All: -328.493 ± 336.402 $\chi^2/\text{NDF}: 82.7/99$

- sign -293.553 ± 461.156 $\chi^2/\text{NDF}: 36.7/50$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1631.924 ± 0.392 $\chi^2/\text{NDF}: 5237119.4/23$

Left Out: 4468.520 ± 0.753 $\chi^2/\text{NDF}: 1380601.0/24$

Right Out: 1606.667 ± 0.357 $\chi^2/\text{NDF}: 5124235.1/27$

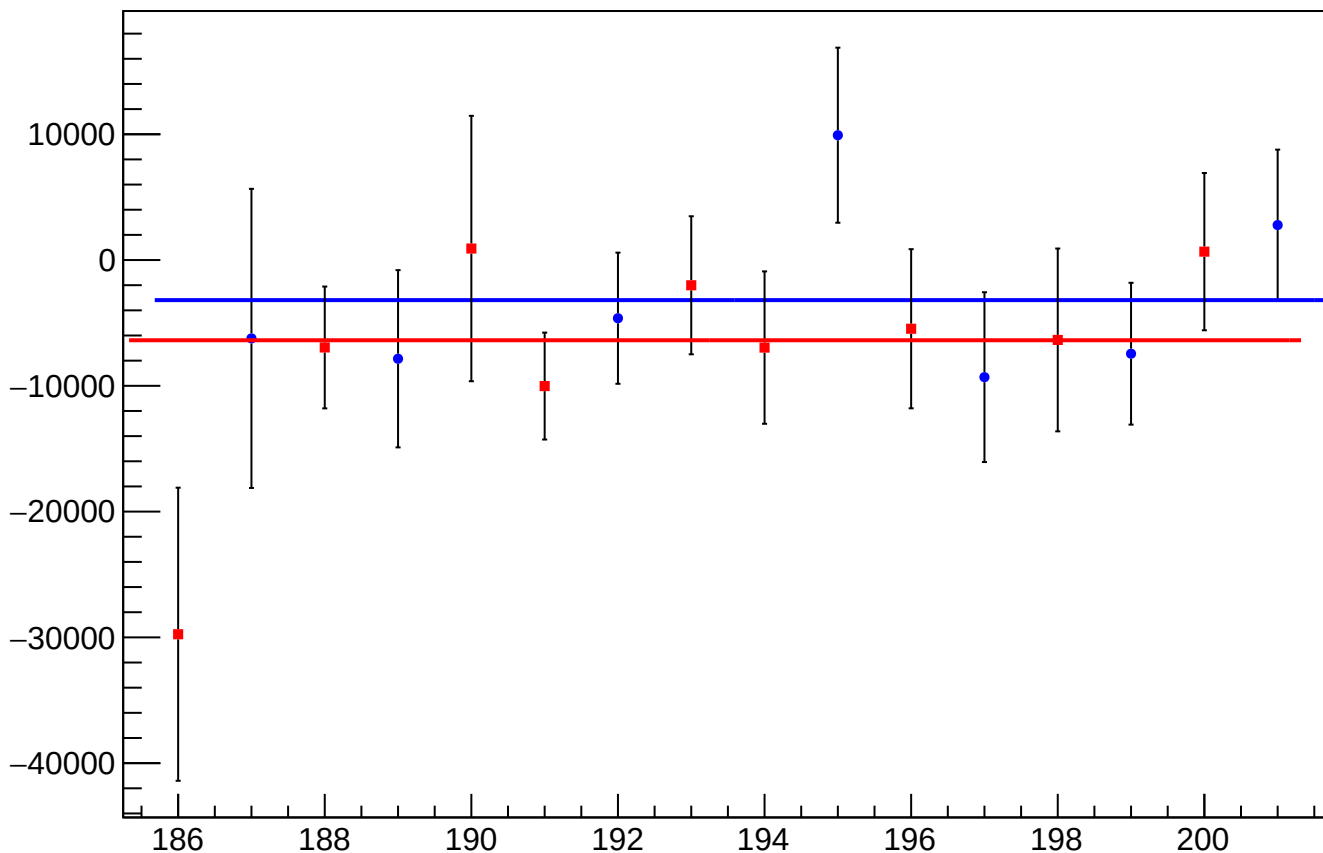
Left In: 4617.293 ± 0.794 $\chi^2/\text{NDF}: 999599.8/22$

+ sign 2236.222 ± 0.348 $\chi^2/\text{NDF}: 17771904.3/48$

All: 2170.511 ± 0.238 $\chi^2/\text{NDF}: 35909559.1/50$

- sign 2112.856 ± 0.326 $\chi^2/\text{NDF}: 18070626.0/50$

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -3187.390+/-2455.304 χ^2/NDF : 6.5/6

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

Right Out: -6377.525+/-2023.126 χ^2/NDF : 7.2/8

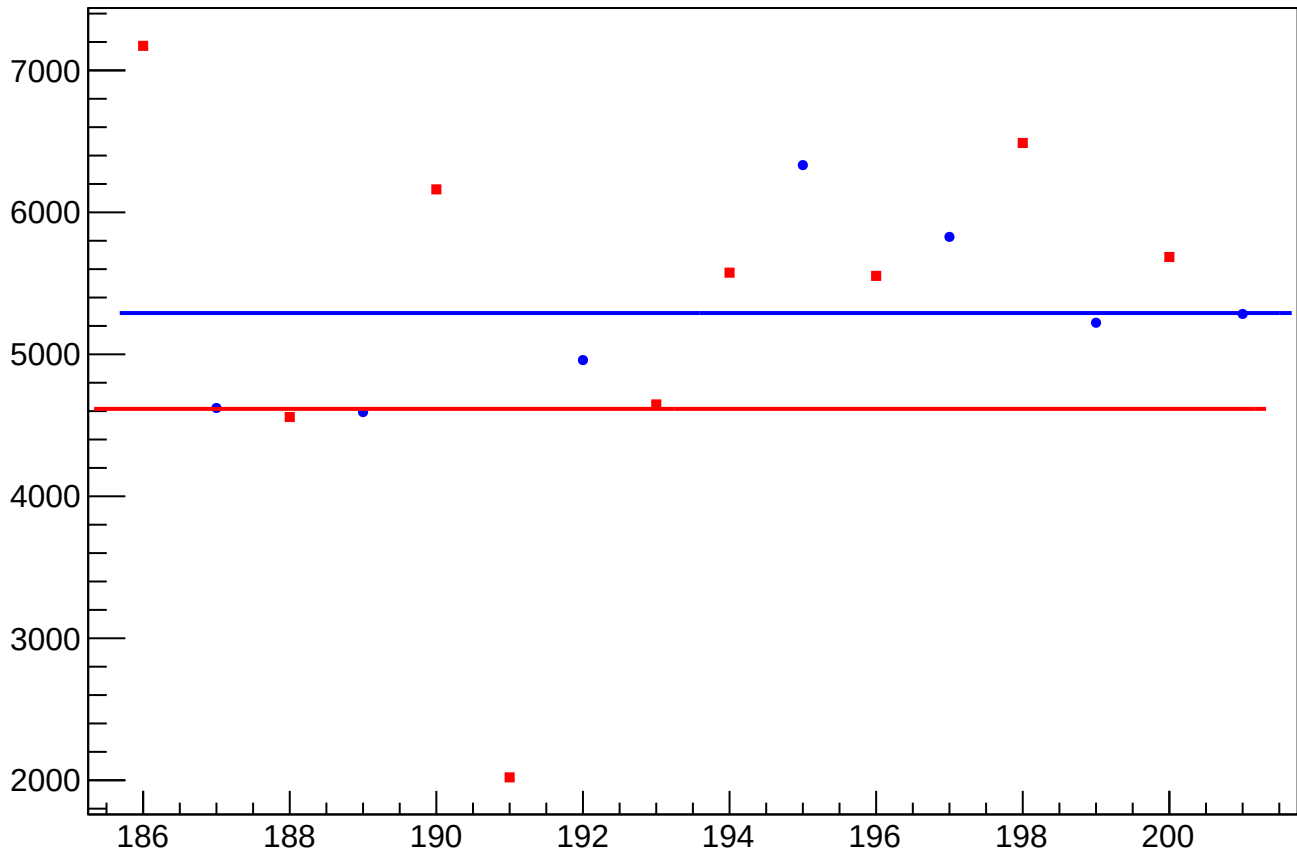
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -5087.471+/-1561.365 χ^2/NDF : 14.7/15

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5290.811+/-1.736 χ^2/NDF : 91761.9/6

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

Right Out: 4615.807+/-1.431 χ^2/NDF : 1171000.8/8

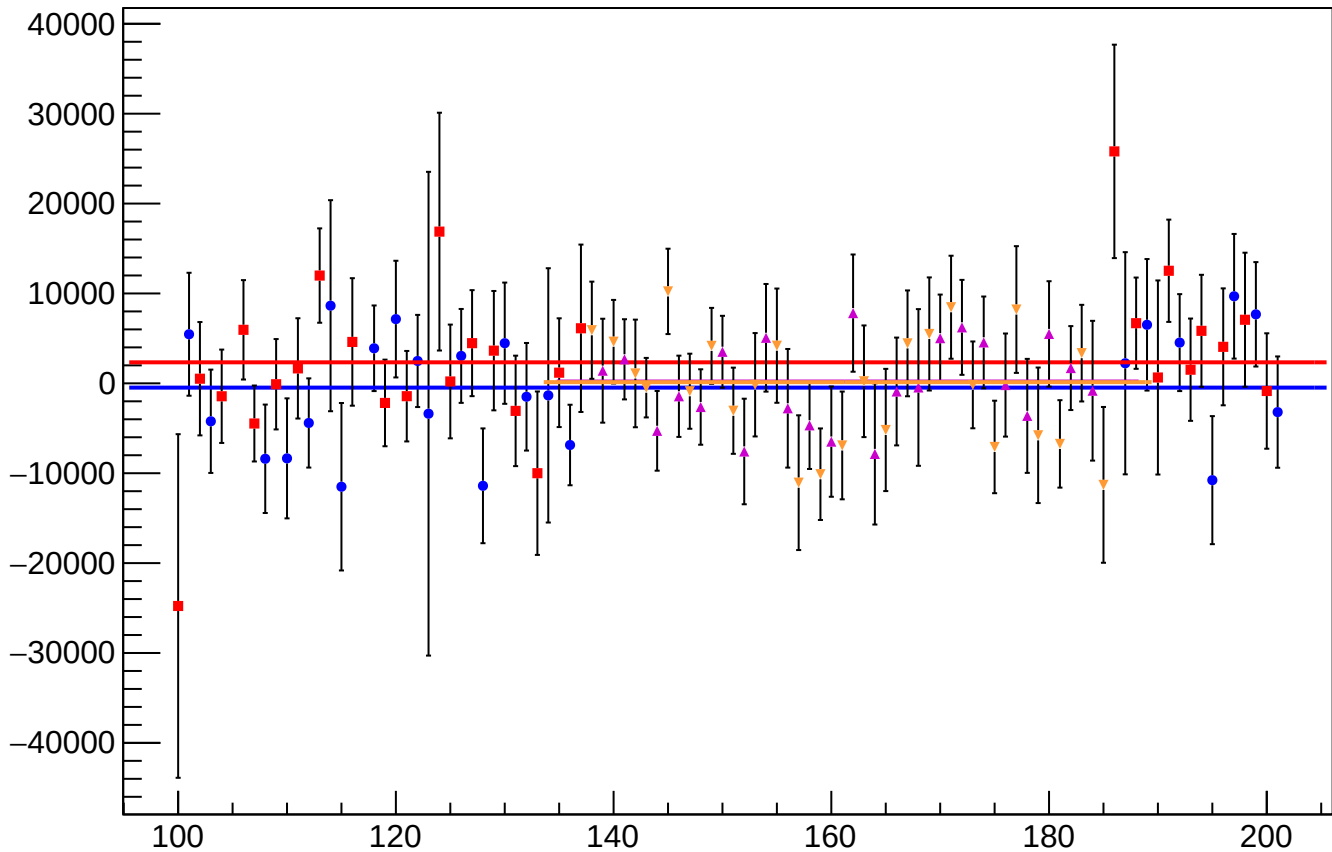
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4888.771+/-1.104 χ^2/NDF : 1352794.7/15

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -476.369+/-1301.896 χ^2/NDF : 23.7/23

Left Out: 132.142+/-1065.543 χ^2/NDF : 28.1/24

Right Out: 2337.795+/-1169.187 χ^2/NDF : 24.1/27

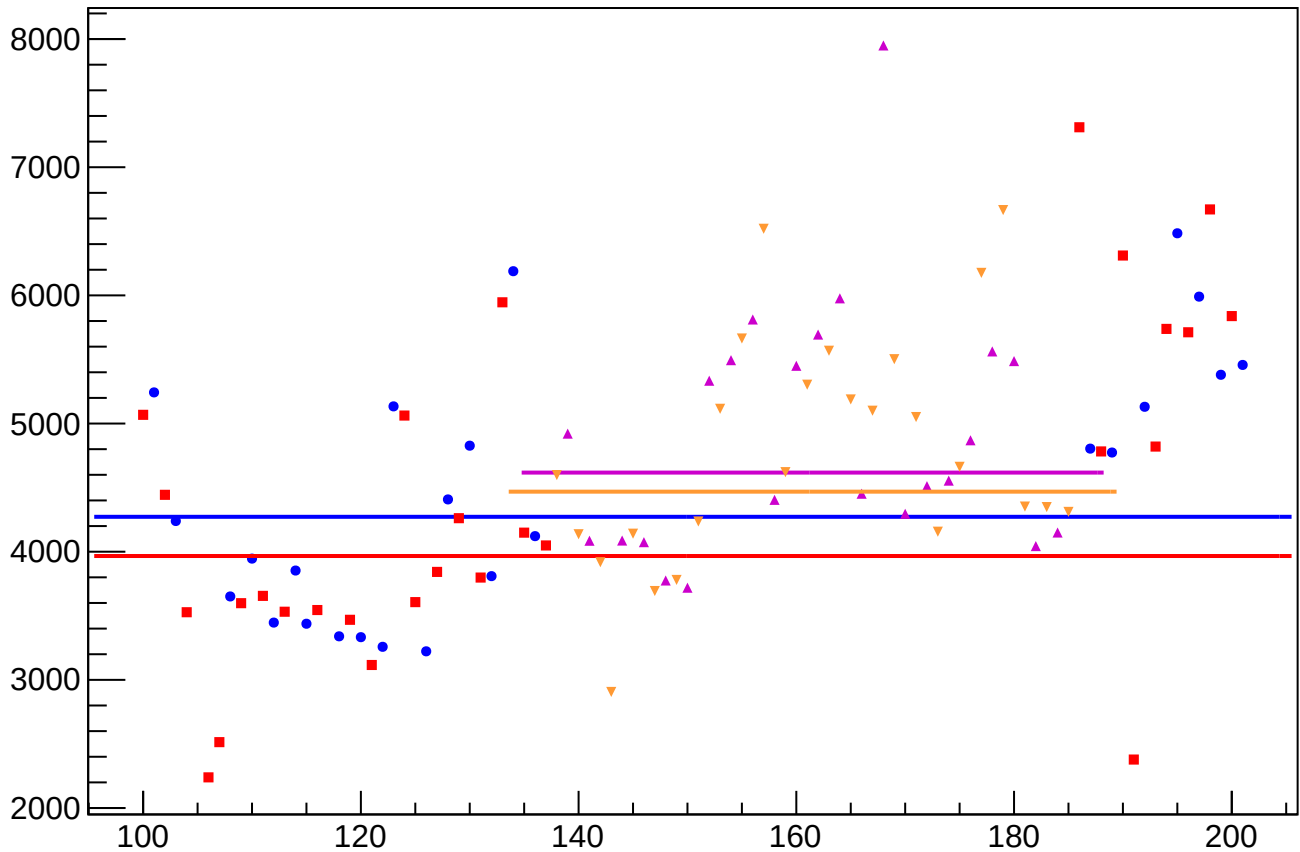
Left In: 200.182+/-1123.499 χ^2/NDF : 14.7/22

+ sign -111.962+/-824.574 χ^2/NDF : 51.9/48

All: 569.069+/-577.878 χ^2/NDF : 93.8/99

- sign 1226.408+/-810.104 χ^2/NDF : 40.5/50

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4272.321+/-0.921 χ^2 /NDF: 1010862.2/23

Left Out: 4468.520+/-0.753 χ^2 /NDF:1380601.0/24

Right Out: 3966.359+/-0.821 χ^2 /NDF: 2005305.9/27

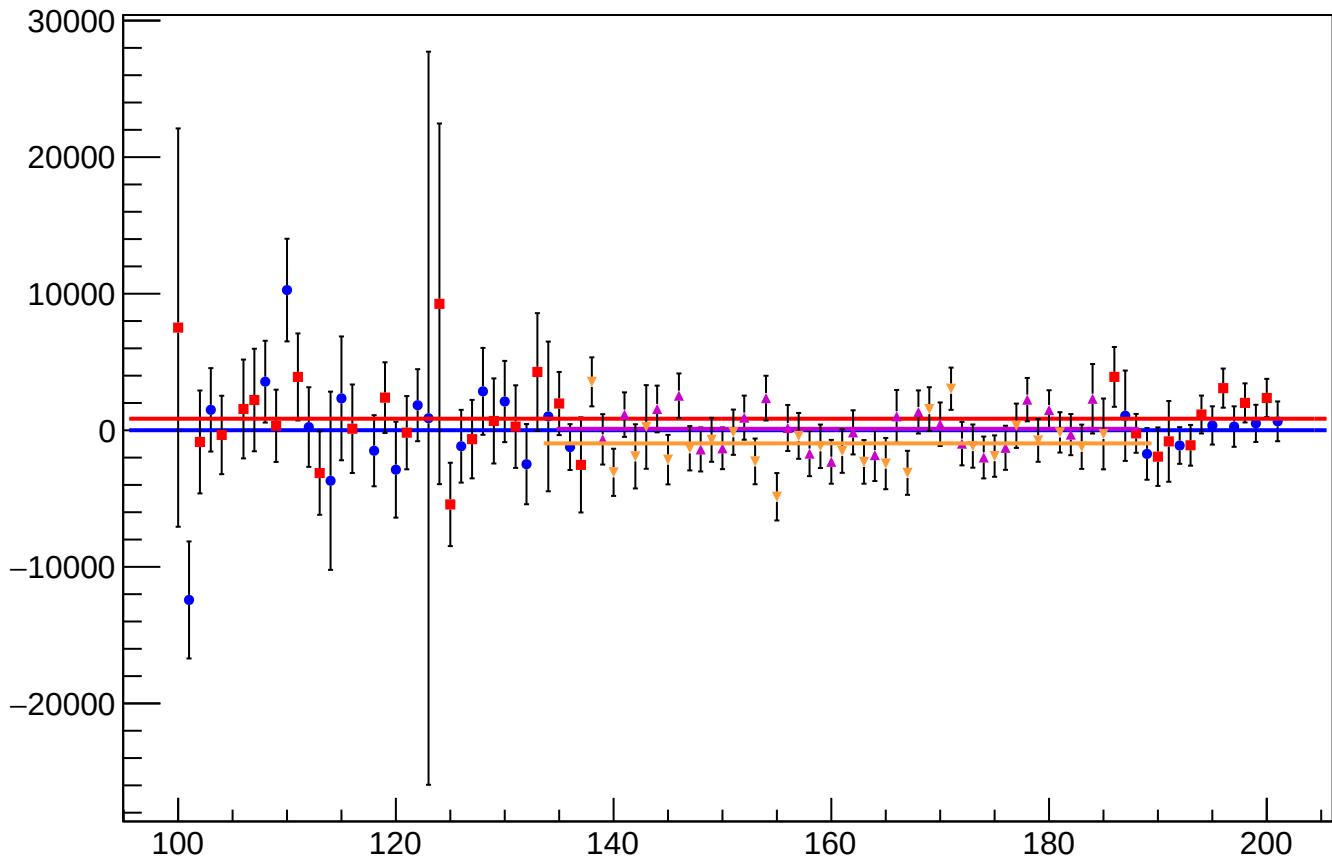
Left In: 4617.293+/-0.794 χ^2 /NDF:999599.8/22

+ sign 4389.813+/-0.583 χ^2 /NDF: 2418664.9/48

All: 4345.324+/-0.408 χ^2 /NDF: 5759492.1/99

- sign 4302.653+/-0.571 χ^2 /NDF: 3329421.0/50

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 4.757 ± 462.931 χ^2/NDF : 24.5/23

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 846.976 ± 432.895 χ^2/NDF : 21.3/27

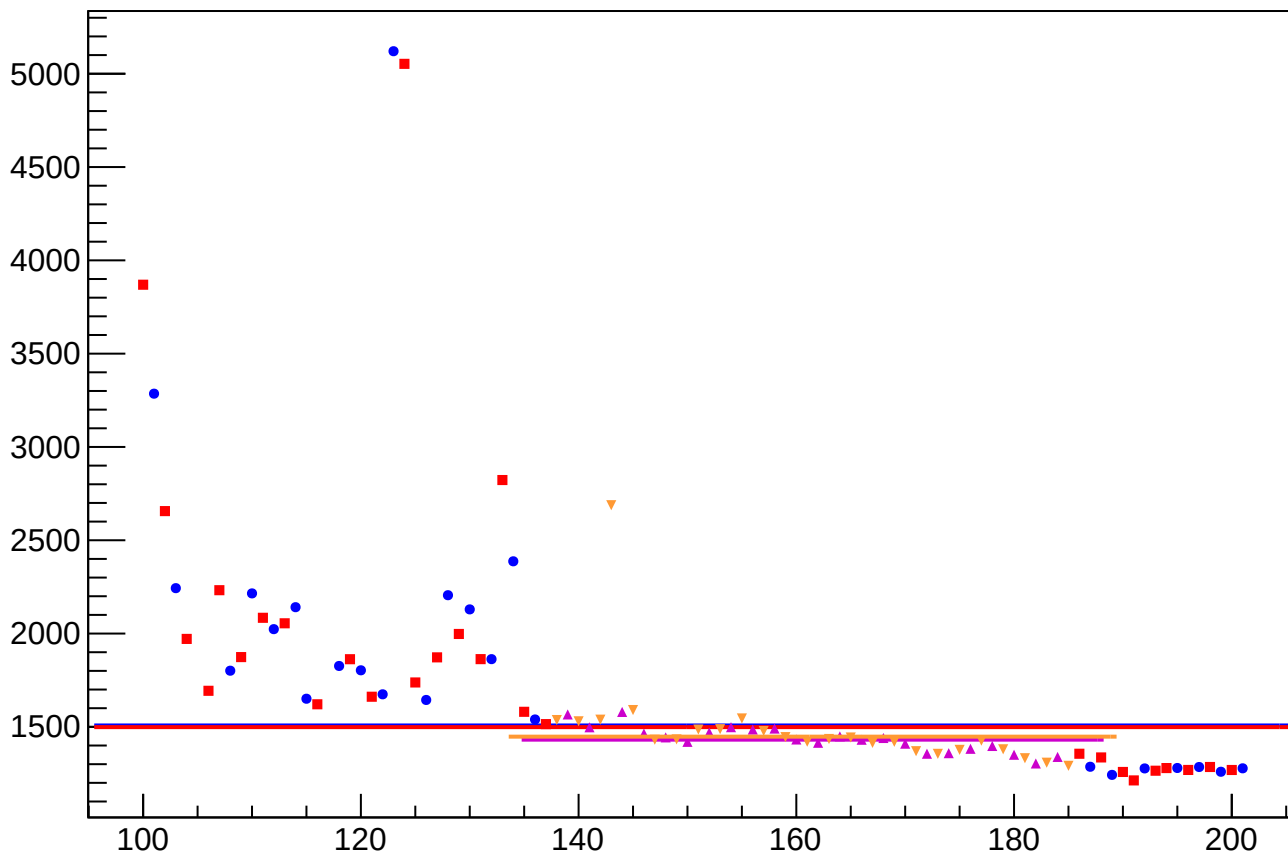
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -621.562 ± 273.768 χ^2/NDF : 55.8/48

All: -105.475 ± 191.933 χ^2/NDF : 105.3/99

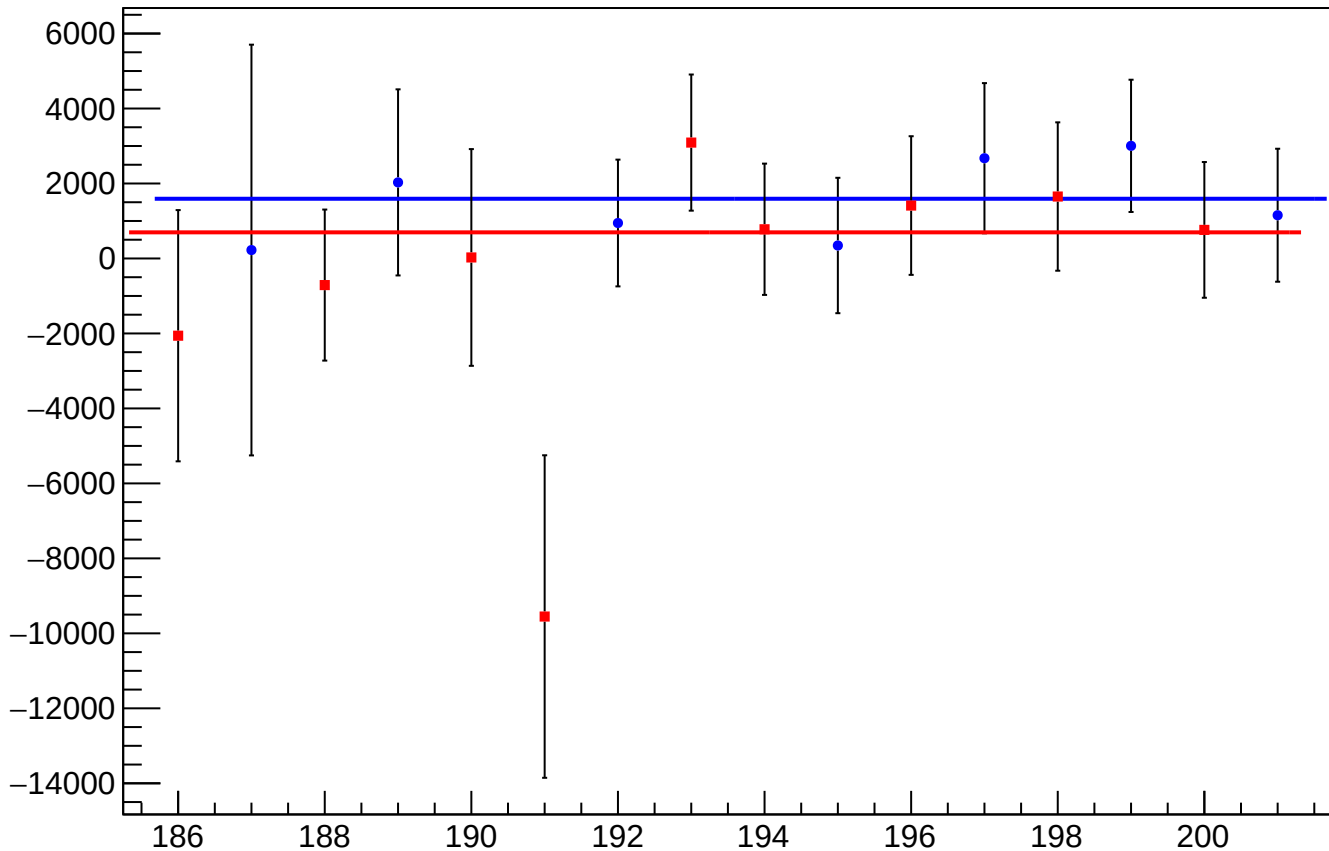
- sign 393.381 ± 269.158 χ^2/NDF : 42.5/50

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1507.482+/-0.327	χ^2/NDF : 1314240.6/23	+ sign 1468.513+/-0.194	χ^2/NDF : 1755290.0/48
Left Out: 1447.554+/-0.240	χ^2/NDF : 419254.7/24	All: 1462.861+/-0.136	χ^2/NDF : 3254233.1/99
Right Out: 1498.562+/-0.306	χ^2/NDF : 1392654.9/27	- sign 1457.398+/-0.190	χ^2/NDF : 1497266.8/50
Left In: 1431.456+/-0.243	χ^2/NDF : 75130.4/22		

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1592.919 $\pm$ 757.937 χ^2 /NDF: 1.7/6

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 696.760 $\pm$ 708.604 χ^2 /NDF: 9.0/8

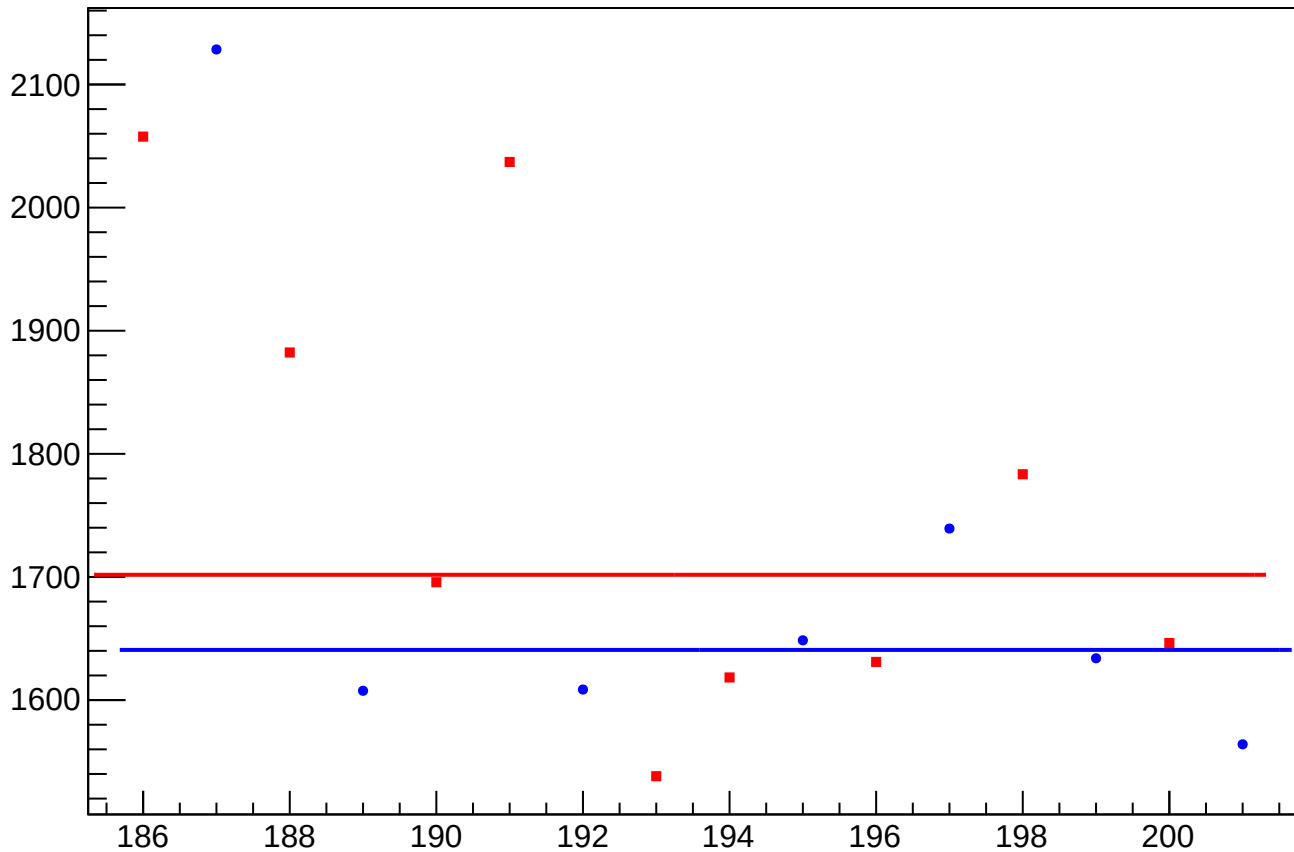
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1114.728 $\pm$ 517.621 χ^2 /NDF: 11.5/15

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1640.766+/-0.536 χ^2/NDF : 25581.4/6

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

Right Out: 1701.775+/-0.501 χ^2/NDF : 79768.7/8

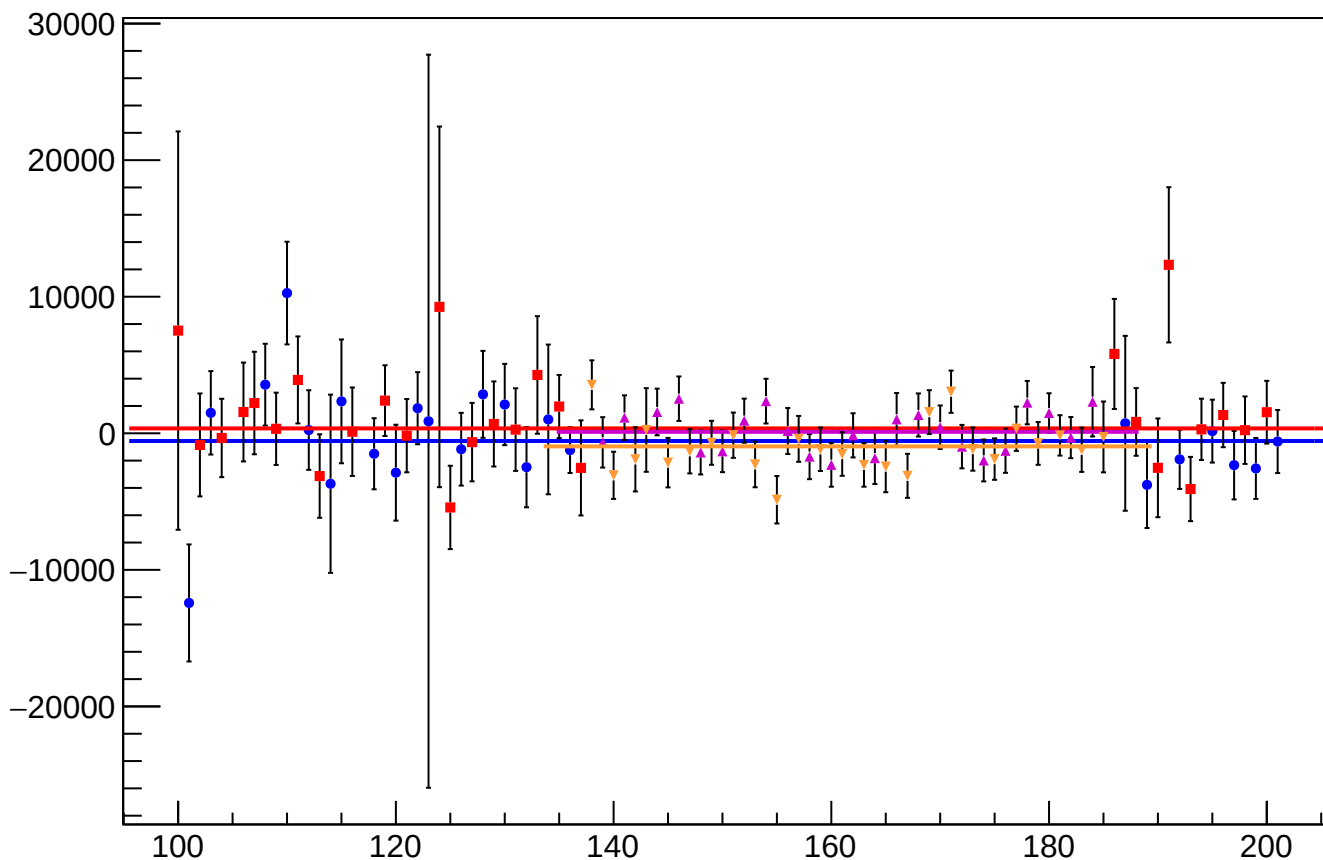
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1673.321+/-0.366 χ^2/NDF : 112264.9/15

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -563.927+/-593.569 χ^2/NDF : 26.0/23

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 357.129+/-568.862 χ^2/NDF : 21.1/27

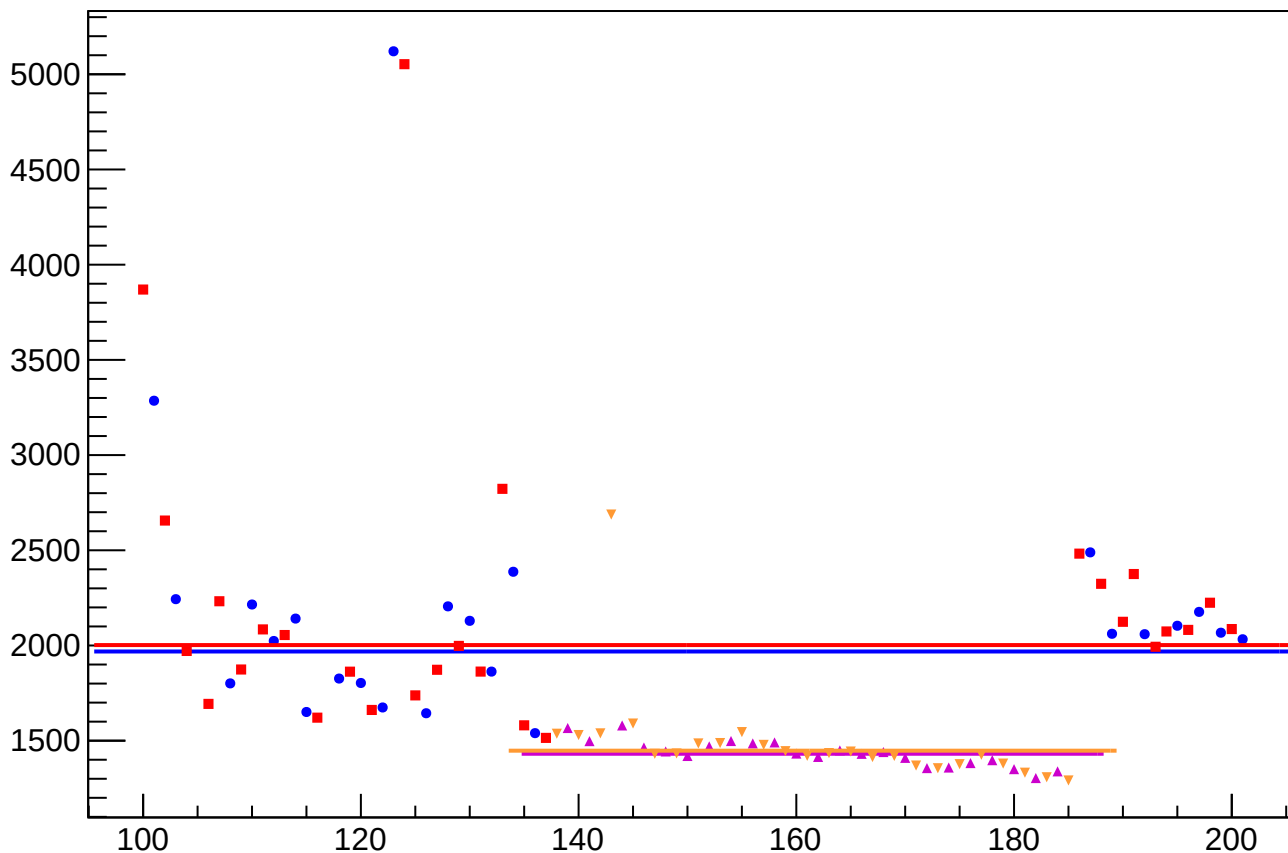
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -861.171+/-294.698 χ^2/NDF : 54.8/48

All: -342.498+/-208.190 χ^2/NDF : 101.7/99

- sign 174.255+/-294.152 χ^2/NDF : 40.7/50

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1968.515 $\pm$ 0.420 χ^2 /NDF: 530729.9/23

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 2002.165 $\pm$ 0.402 χ^2 /NDF: 592429.3/27

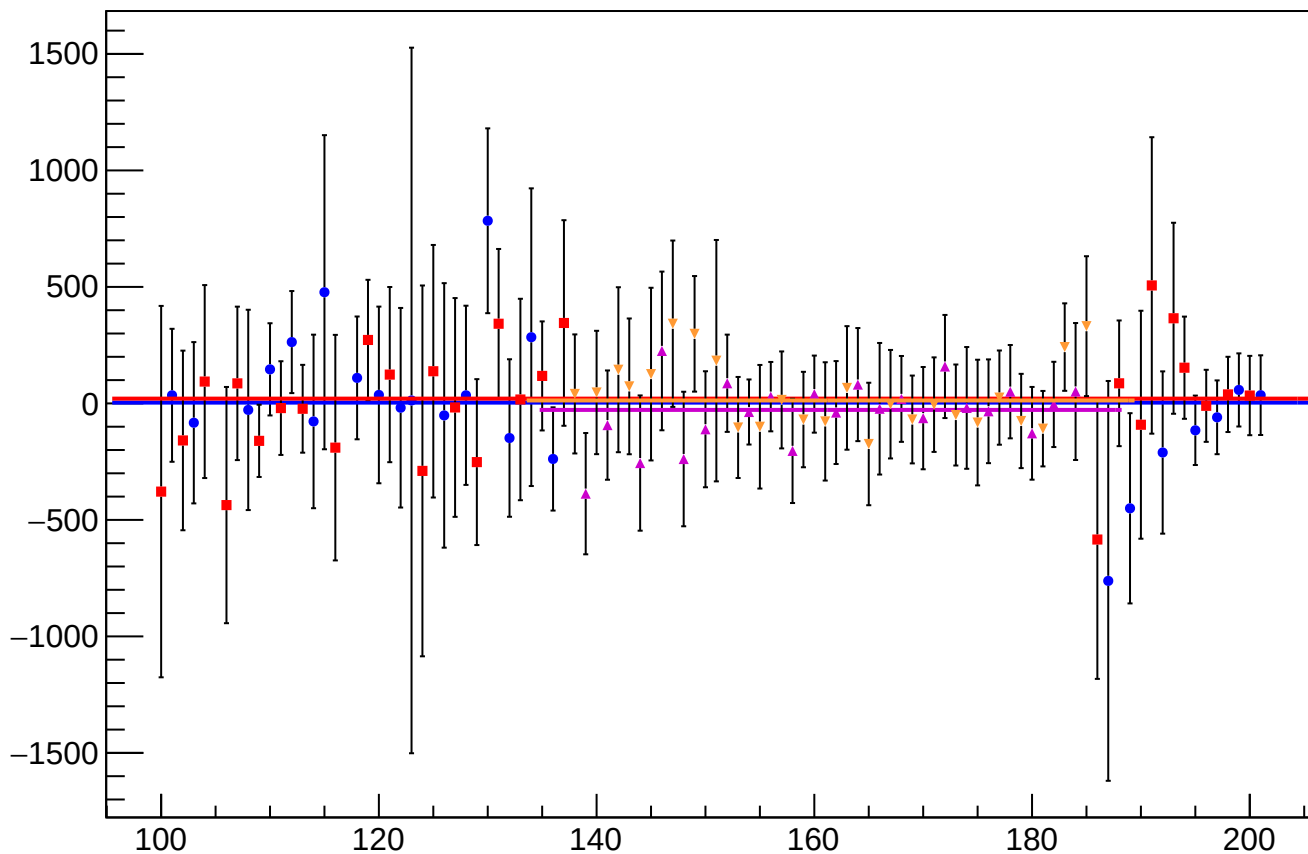
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1575.971 $\pm$ 0.208 χ^2 /NDF: 2110858.9/48

All: 1580.020 $\pm$ 0.147 χ^2 /NDF: 4253963.9/99

- sign 1584.054 $\pm$ 0.208 χ^2 /NDF: 2142351.2/50

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 3.426 ± 54.866 χ^2/NDF : 11.6/23

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 20.550 ± 52.087 χ^2/NDF : 9.4/27

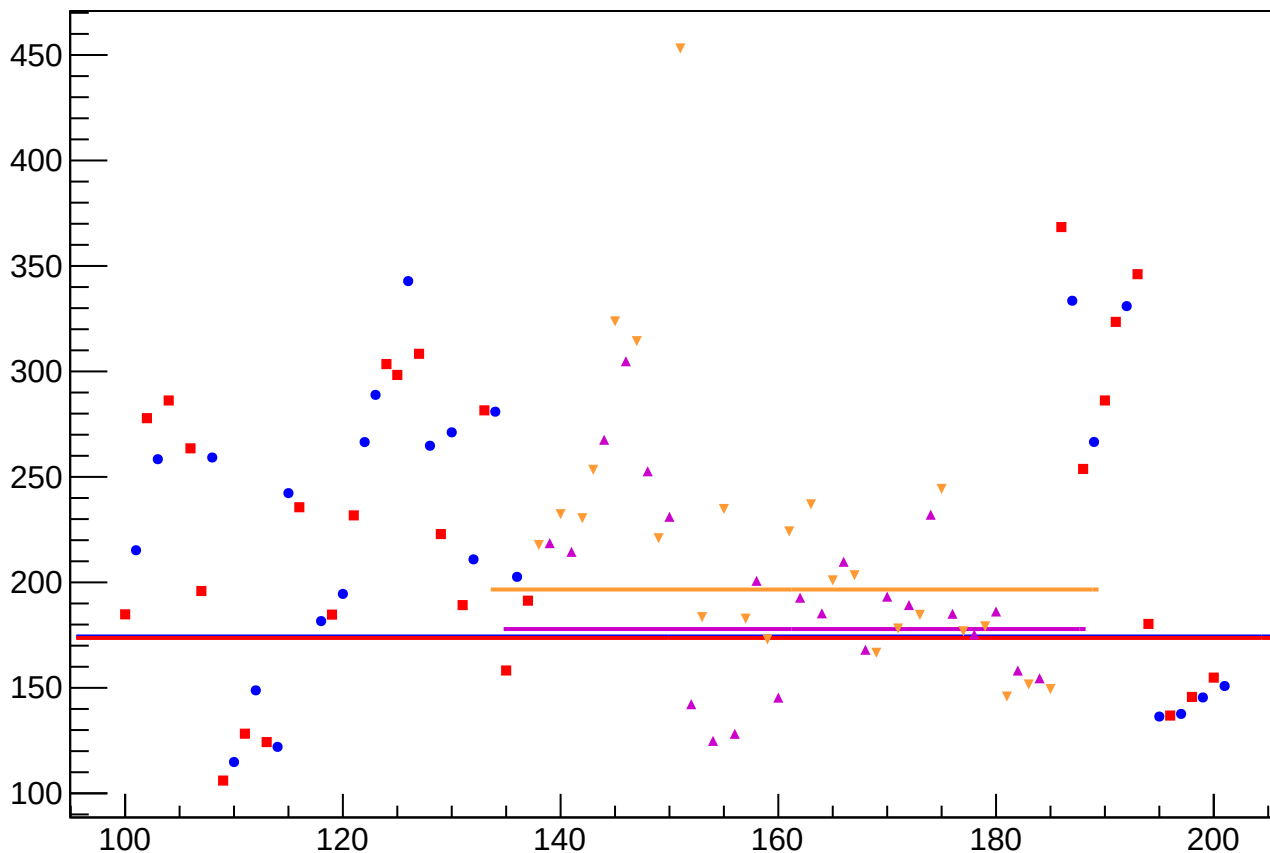
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign 8.682 ± 35.906 χ^2/NDF : 19.2/48

All: 0.136 ± 24.628 χ^2/NDF : 35.8/99

- sign -7.457 ± 33.844 χ^2/NDF : 16.4/50

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.349 $\pm$ 0.039 χ^2 /NDF: 2051538.9/23

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 173.668 $\pm$ 0.037 χ^2 /NDF: 2731862.2/27

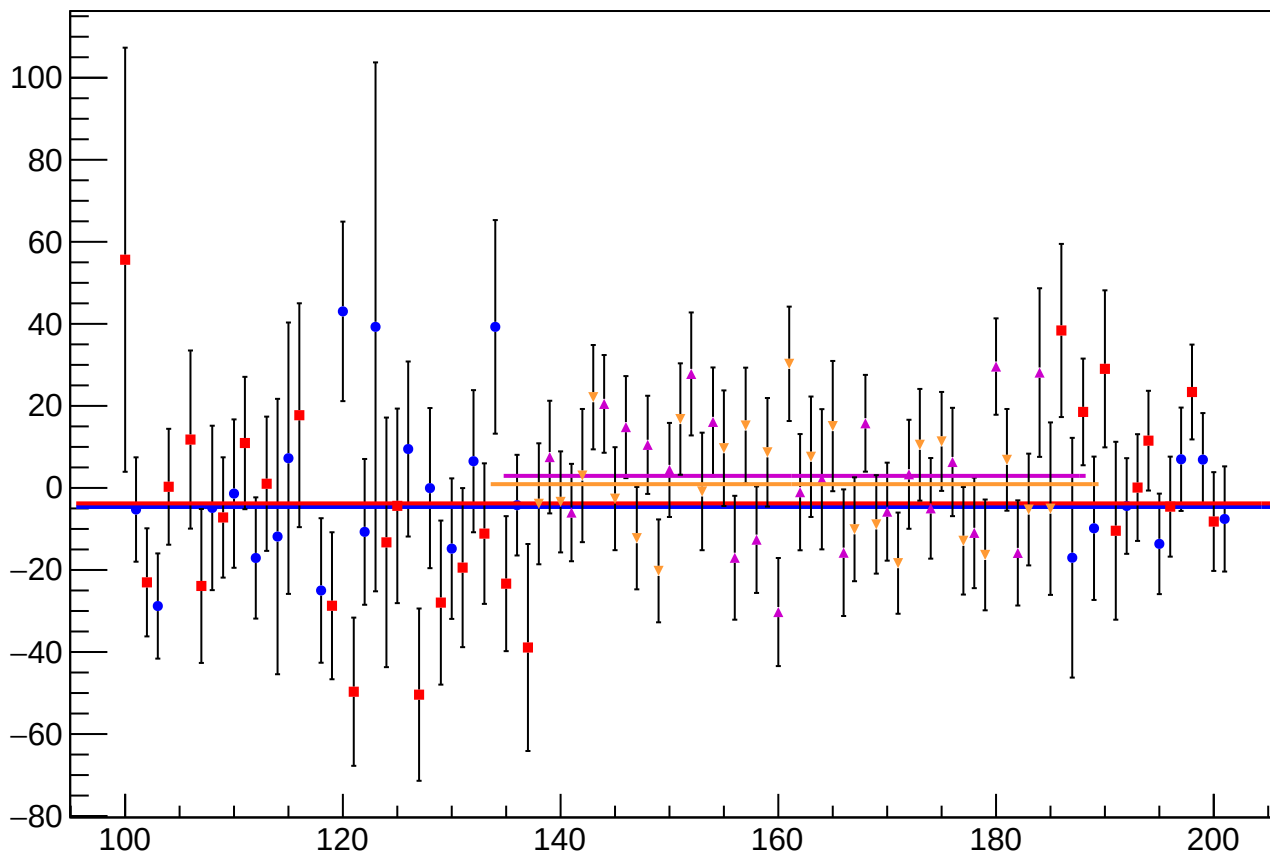
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 187.082 $\pm$ 0.025 χ^2 /NDF: 4033443.6/48

All: 181.267 $\pm$ 0.017 χ^2 /NDF: 8516007.1/99

- sign 176.100 $\pm$ 0.024 χ^2 /NDF: 4383497.7/50

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.640 ± 3.312 $\chi^2/\text{NDF}: 18.0/23$

Left Out: 0.920 ± 2.696 $\chi^2/\text{NDF}: 24.0/24$

Right Out: -3.768 ± 3.137 $\chi^2/\text{NDF}: 43.2/27$

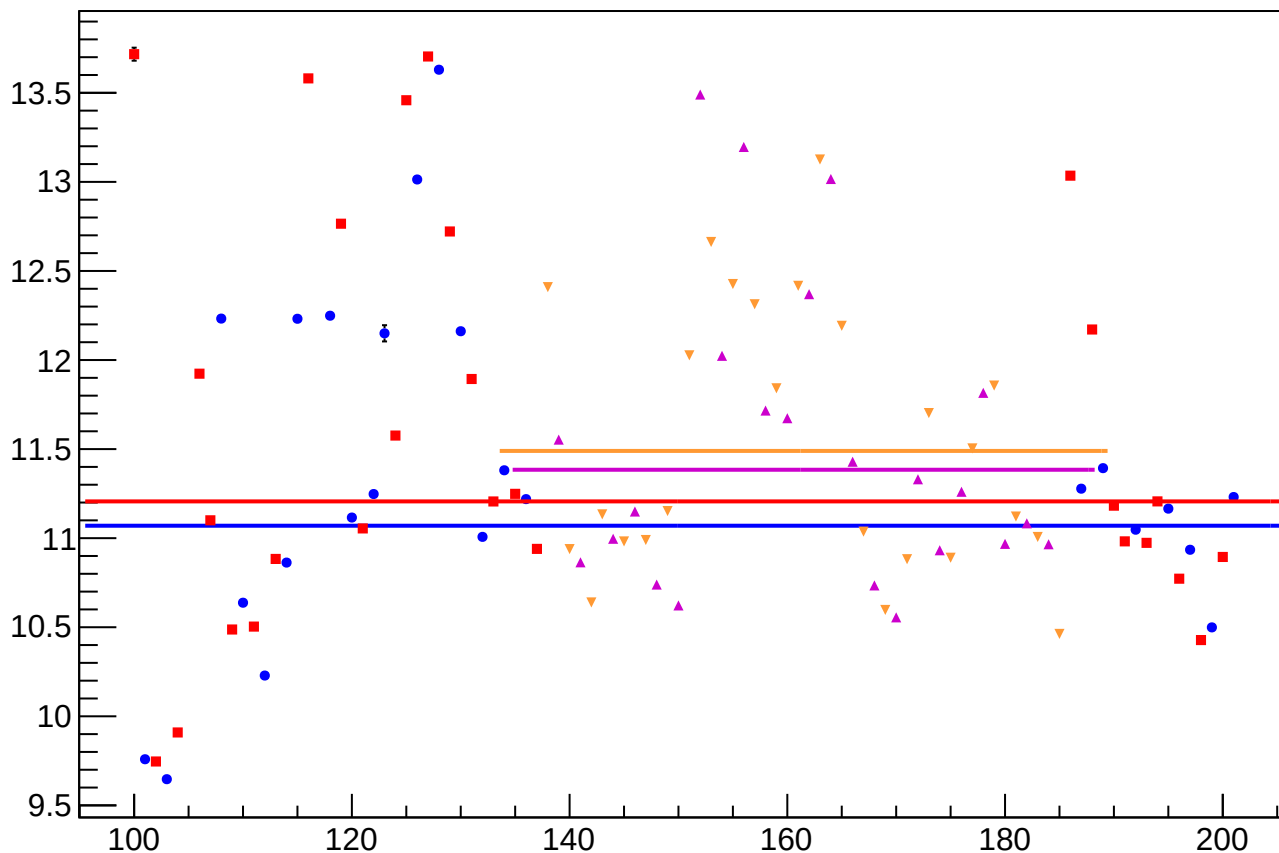
Left In: 2.941 ± 2.745 $\chi^2/\text{NDF}: 31.0/22$

+ sign -1.296 ± 2.091 $\chi^2/\text{NDF}: 43.7/48$

All: -0.624 ± 1.470 $\chi^2/\text{NDF}: 120.7/99$

- sign 0.032 ± 2.066 $\chi^2/\text{NDF}: 76.8/50$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.070 $\pm$ 0.002 χ^2/NDF : 138699.3/23

Left Out: 11.490 $\pm$ 0.002 χ^2/NDF : 132399.1/24

Right Out: 11.206 $\pm$ 0.002 χ^2/NDF : 188850.6/27

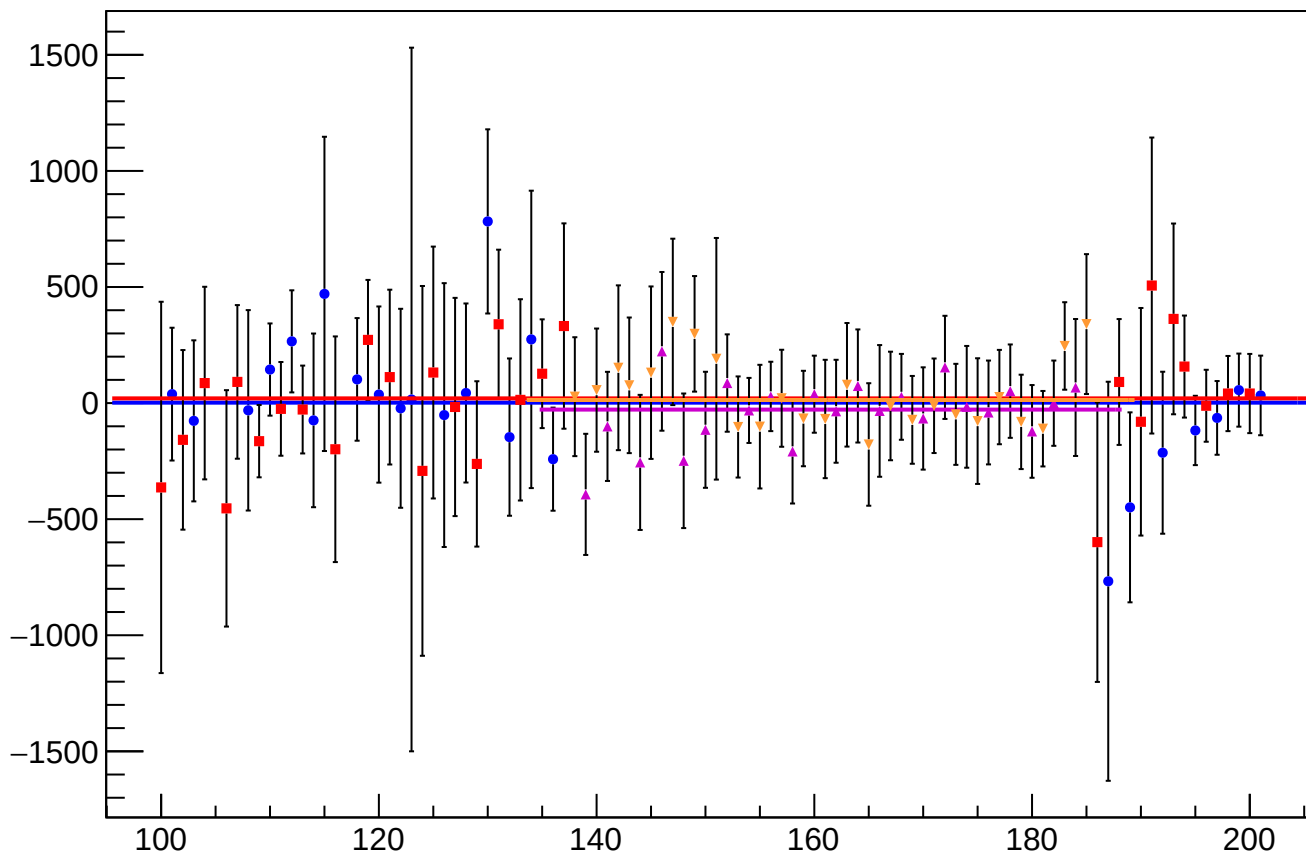
Left In: 11.384 $\pm$ 0.002 χ^2/NDF : 149799.6/22

+ sign 11.322 $\pm$ 0.001 χ^2/NDF : 290433.1/48

All: 11.315 $\pm$ 0.001 χ^2/NDF : 632771.3/99

- sign 11.307 $\pm$ 0.001 χ^2/NDF : 342283.5/50

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 1.841 ± 55.008 χ^2/NDF : 11.5/23

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 20.321 ± 52.231 χ^2/NDF : 9.5/27

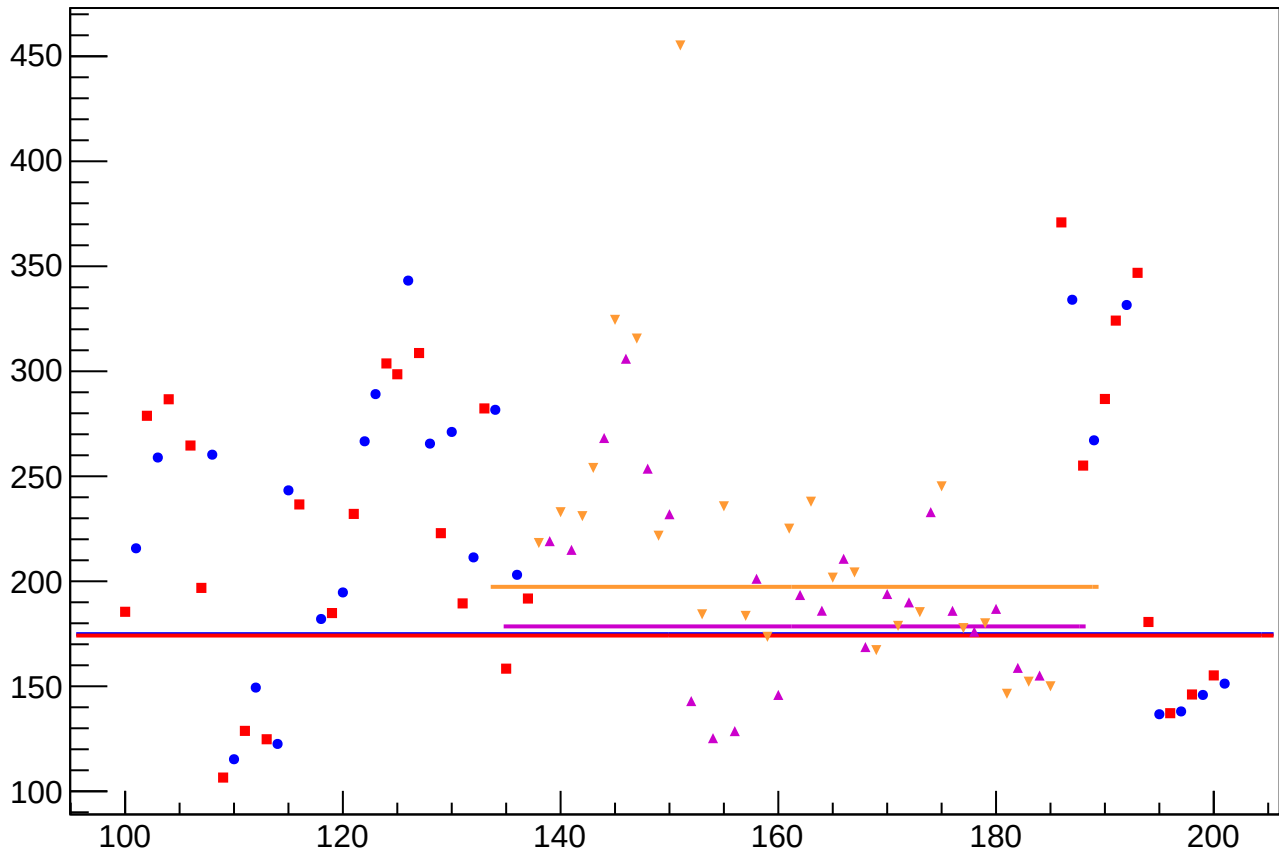
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign 8.399 ± 36.021 χ^2/NDF : 19.4/48

All: -0.078 ± 24.707 χ^2/NDF : 36.2/99

- sign -7.610 ± 33.953 χ^2/NDF : 16.7/50

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 174.822 ± 0.039 χ^2/NDF : 2046182.7/23

Left Out: 197.355 ± 0.034 χ^2/NDF : 1790824.5/24

Right Out: 174.165 ± 0.037 χ^2/NDF : 2727711.3/27

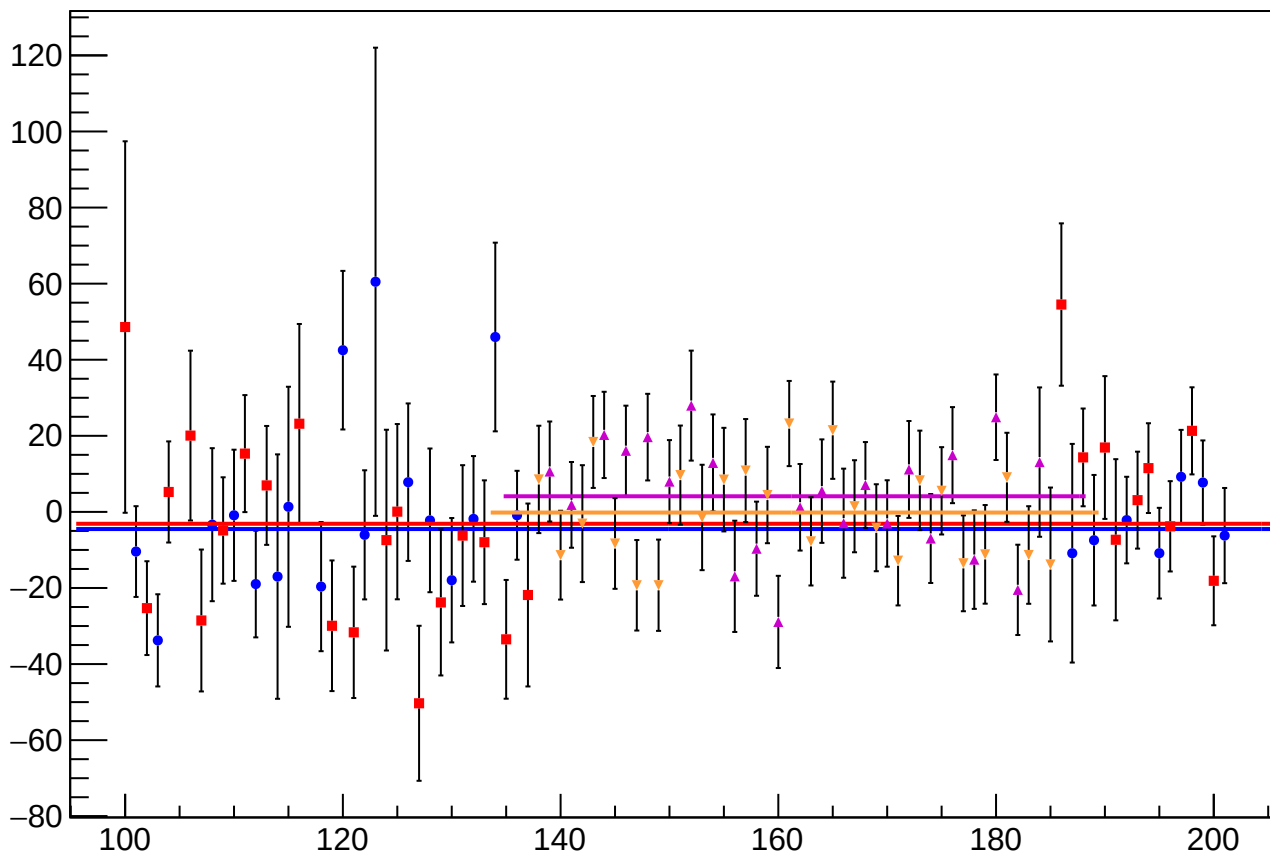
Left In: 178.512 ± 0.032 χ^2/NDF : 1642304.1/22

+ sign 187.693 ± 0.025 χ^2/NDF : 4028698.5/48

All: 181.858 ± 0.017 χ^2/NDF : 8505787.3/99

- sign 176.675 ± 0.024 χ^2/NDF : 4378014.4/50

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -4.508 ± 3.191 χ^2/NDF : 22.6/23

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -3.120 ± 3.034 χ^2/NDF : 45.1/27

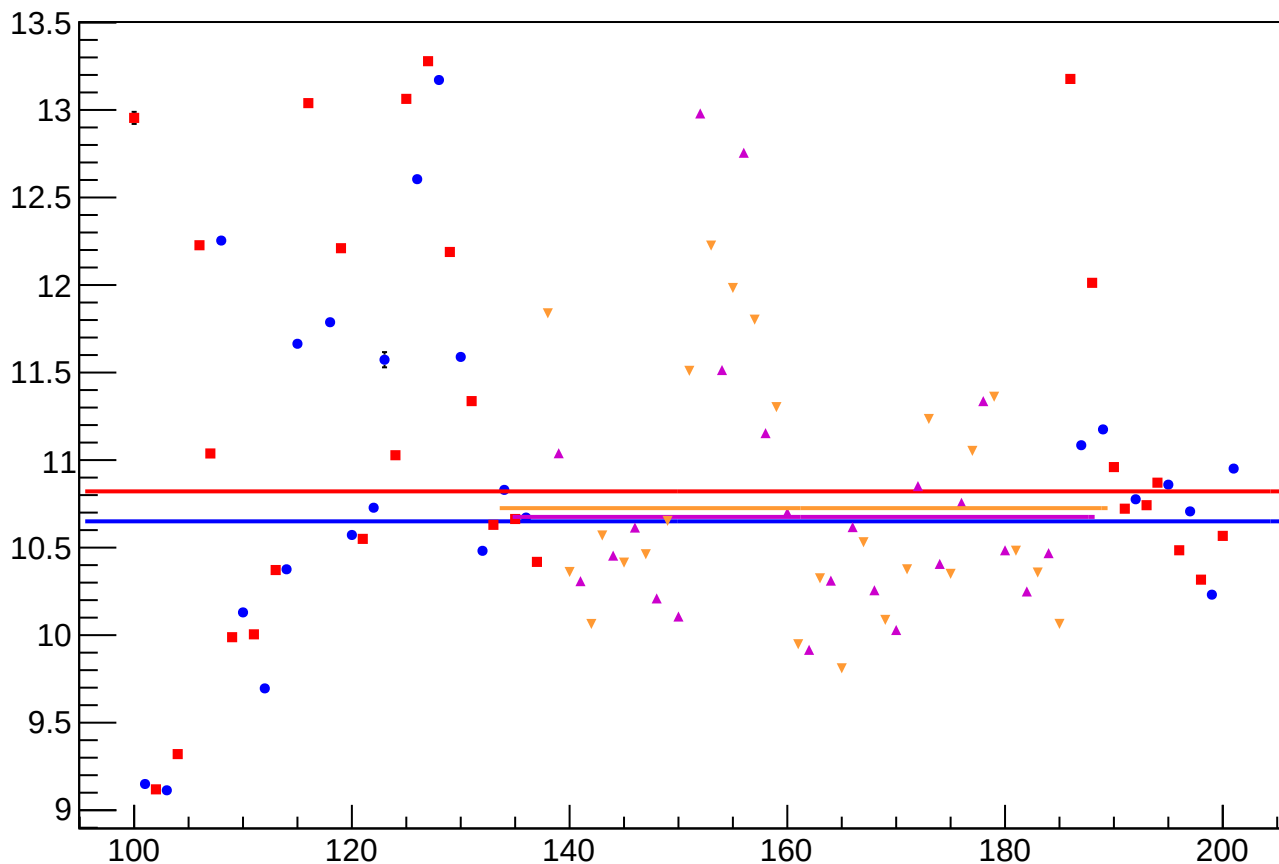
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -1.837 ± 1.978 χ^2/NDF : 48.1/48

All: -0.369 ± 1.394 χ^2/NDF : 129.1/99

- sign 1.078 ± 1.964 χ^2/NDF : 80.0/50

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.650 ± 0.002 χ^2/NDF : 166940.2/23

Left Out: 10.725 ± 0.002 χ^2/NDF : 132170.8/24

Right Out: 10.821 ± 0.002 χ^2/NDF : 227081.5/27

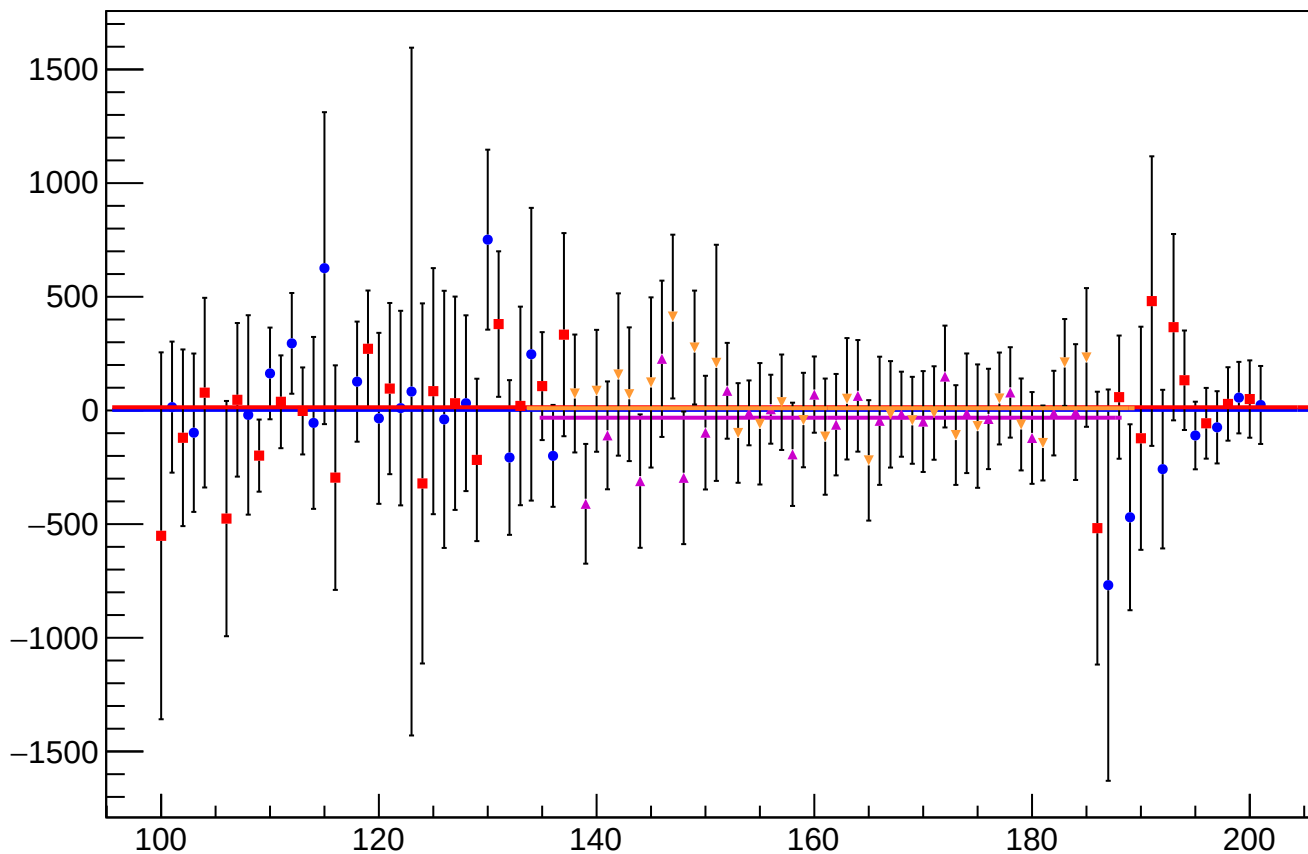
Left In: 10.675 ± 0.002 χ^2/NDF : 145938.2/22

+ sign 10.697 ± 0.001 χ^2/NDF : 299798.1/48

All: 10.717 ± 0.001 χ^2/NDF : 675913.5/99

- sign 10.737 ± 0.001 χ^2/NDF : 375702.9/50

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 2.484 ± 55.152 $\chi^2/\text{NDF}: 12.1/23$

Left Out: 9.801 ± 47.979 $\chi^2/\text{NDF}: 7.5/24$

Right Out: 14.011 ± 52.487 $\chi^2/\text{NDF}: 10.1/27$

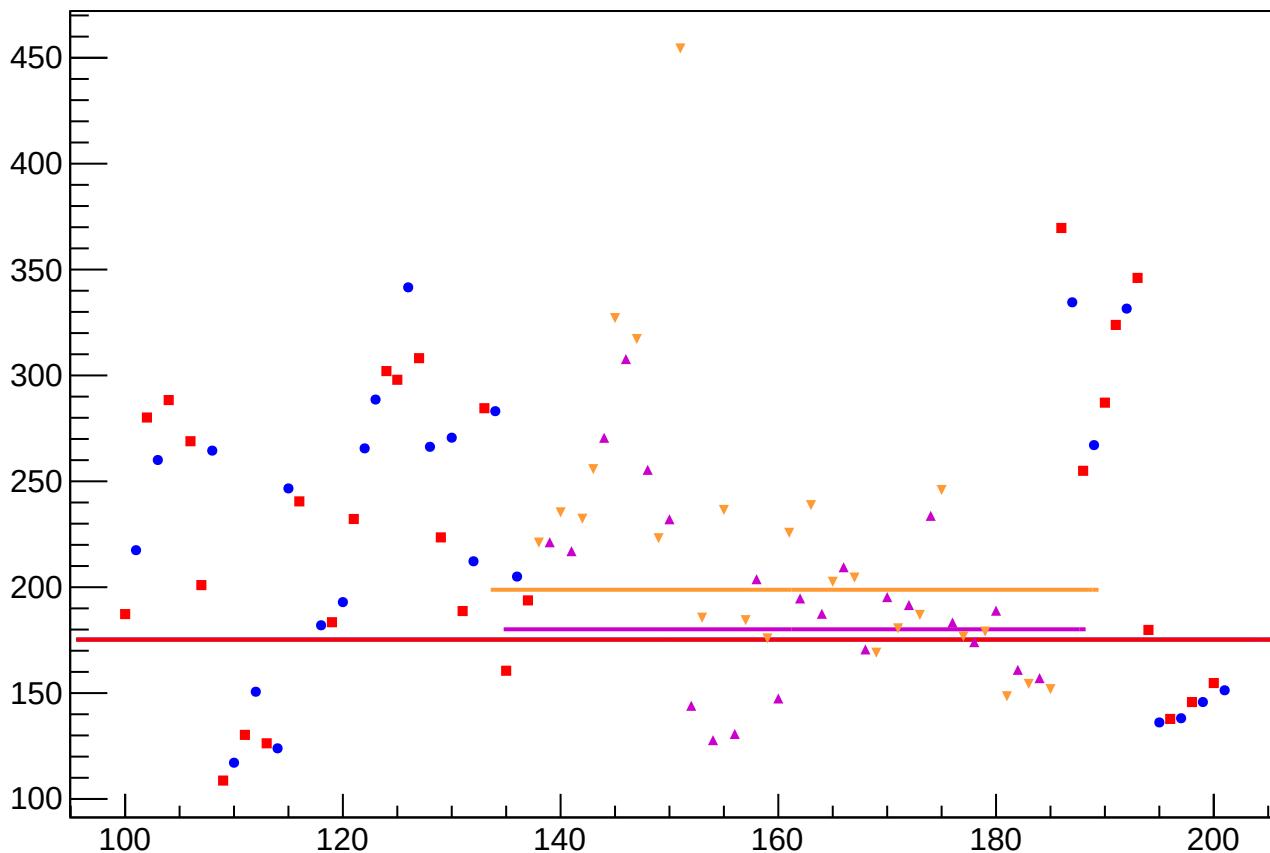
Left In: -31.989 ± 45.038 $\chi^2/\text{NDF}: 7.2/22$

+ sign 6.649 ± 36.198 $\chi^2/\text{NDF}: 19.7/48$

All: -3.465 ± 24.852 $\chi^2/\text{NDF}: 37.5/99$

- sign -12.482 ± 34.180 $\chi^2/\text{NDF}: 17.7/50$

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 175.294 $\pm$ 0.039 χ^2 /NDF: 2042236.7/23

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF:1763119.1/24

Right Out: 175.237 $\pm$ 0.037 χ^2 /NDF: 2679885.6/27

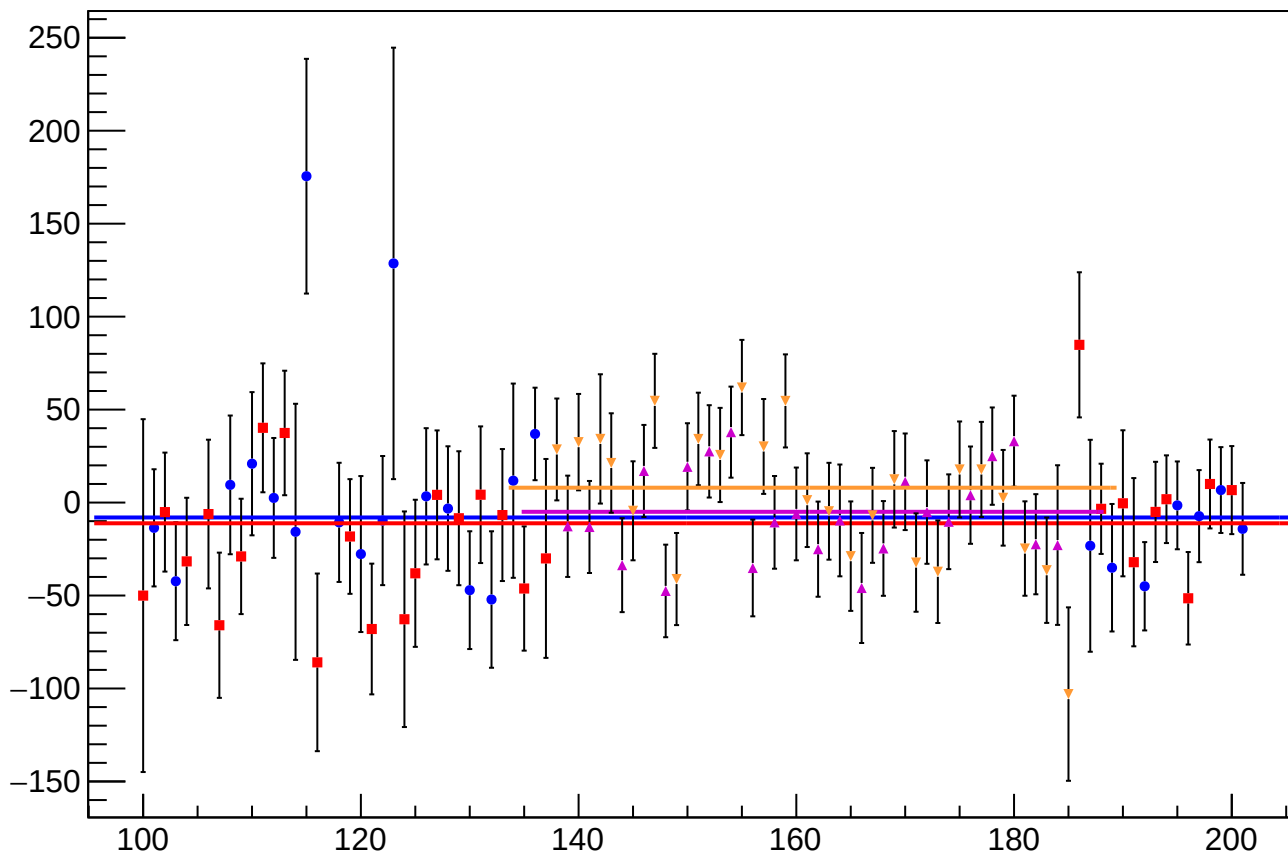
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

+ sign 188.674 $\pm$ 0.026 χ^2 /NDF: 4012162.5/48

All: 183.058 $\pm$ 0.018 χ^2 /NDF: 8386930.8/99

- sign 178.051 $\pm$ 0.024 χ^2 /NDF: 4283709.7/50

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -8.018 ± 6.668 χ^2/NDF : 22.3/23

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -11.148 ± 6.272 χ^2/NDF : 25.9/27

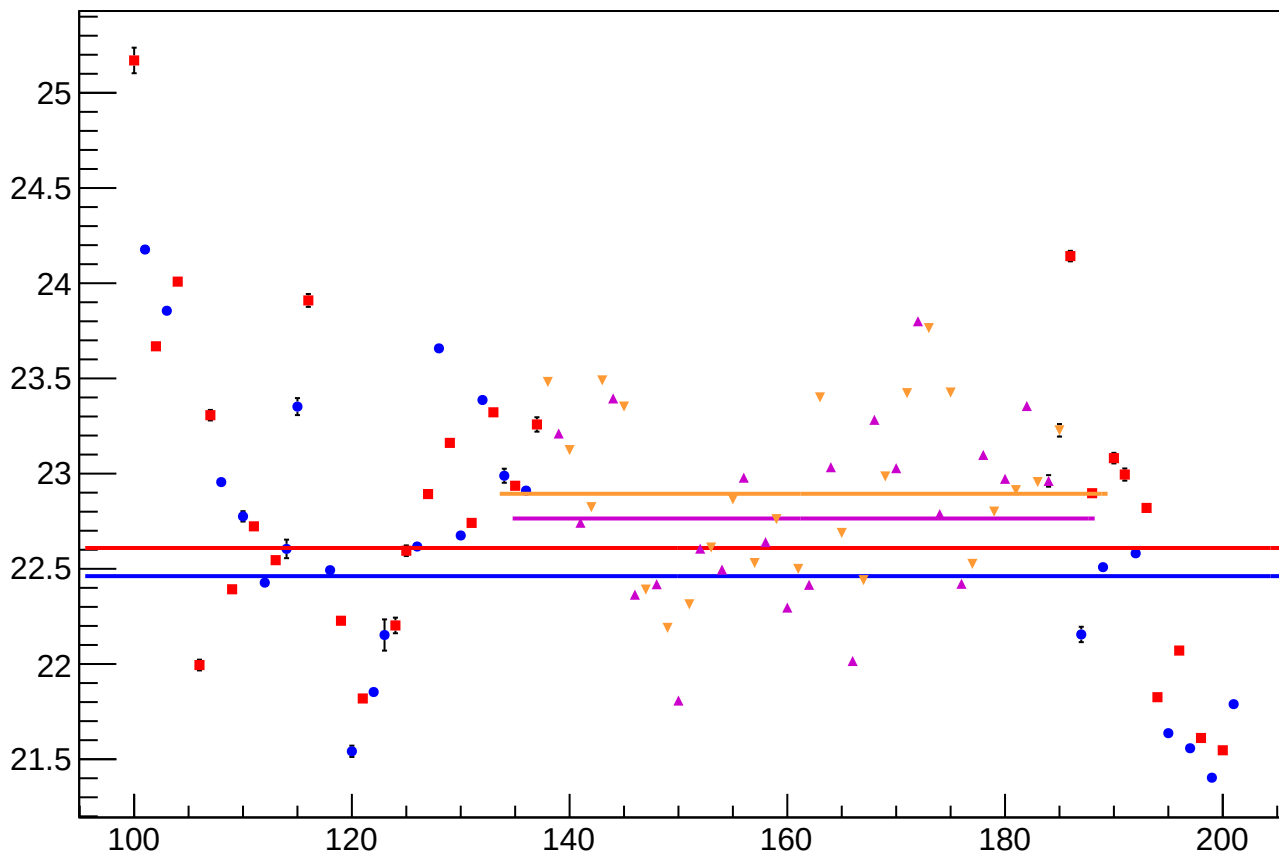
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 1.753 ± 4.162 χ^2/NDF : 63.3/48

All: -2.994 ± 2.925 χ^2/NDF : 112.8/99

- sign -7.626 ± 4.112 χ^2/NDF : 46.9/50

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.462 $\pm$ 0.005 χ^2 /NDF: 27988.9/23

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF:13070.5/24

Right Out: 22.609 $\pm$ 0.004 χ^2 /NDF: 27629.3/27

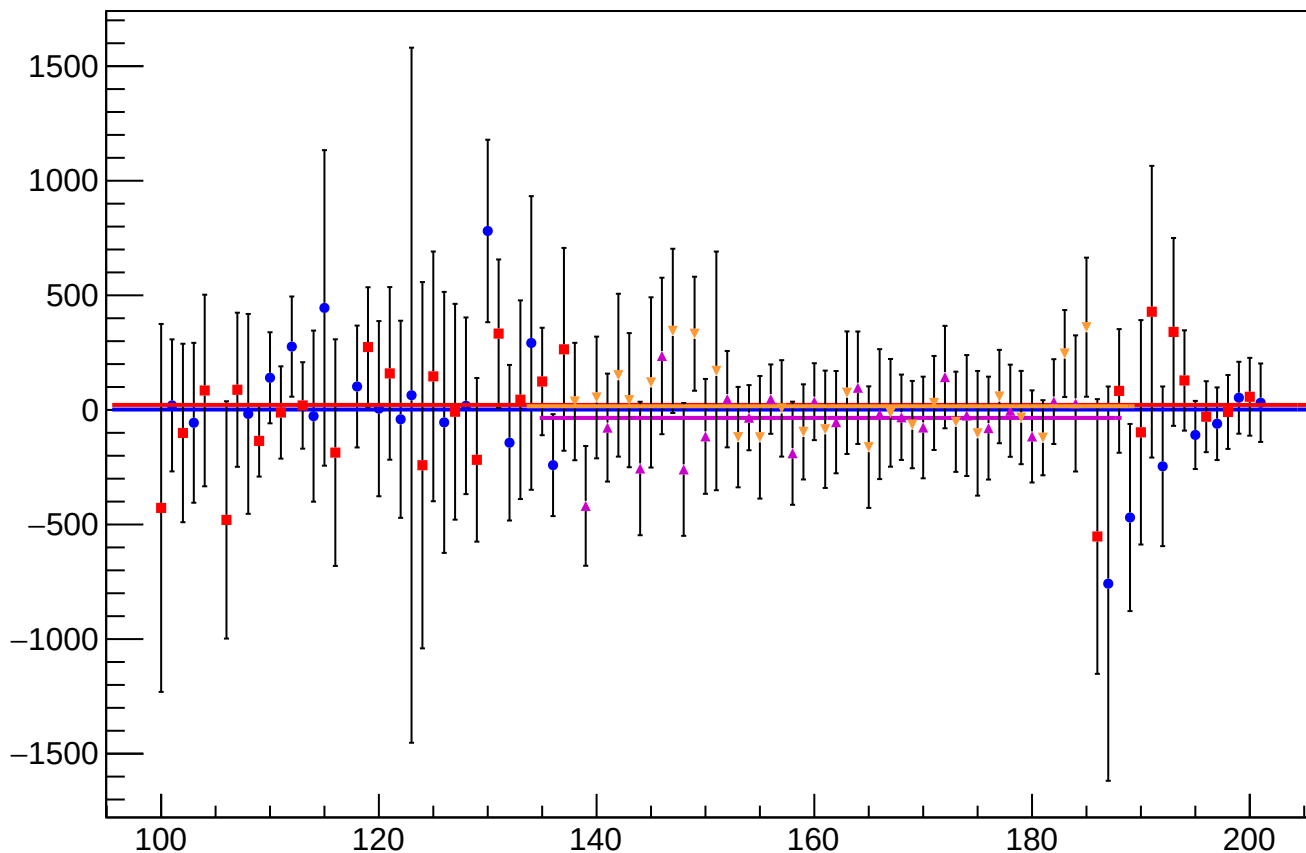
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF:14665.7/22

+ sign 22.726 $\pm$ 0.003 χ^2 /NDF: 46197.2/48

All: 22.711 $\pm$ 0.002 χ^2 /NDF: 89232.8/99

- sign 22.698 $\pm$ 0.003 χ^2 /NDF: 42990.3/50

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 1.687 ± 54.984 χ^2/NDF : 11.6/23

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 21.812 ± 52.221 χ^2/NDF : 8.2/27

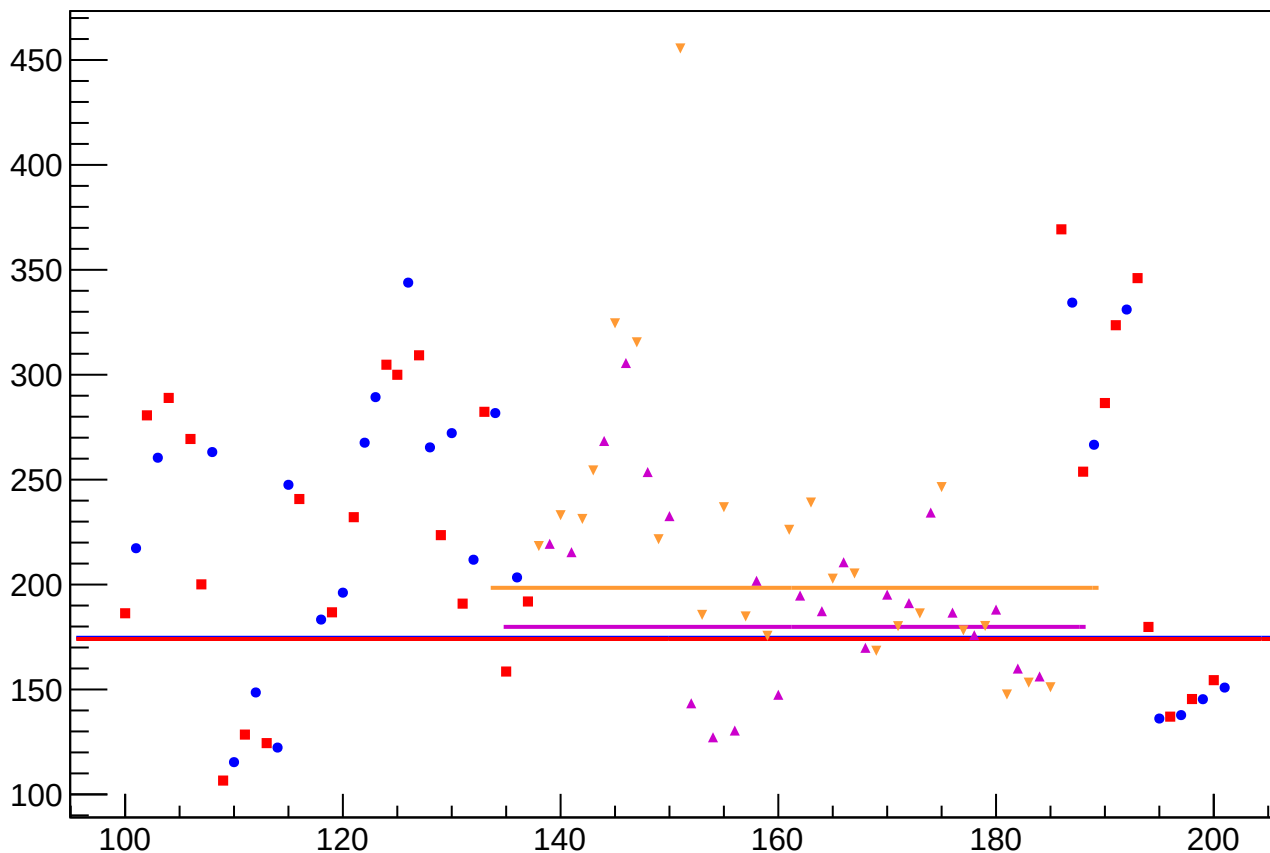
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign 9.770 ± 36.116 χ^2/NDF : 20.0/48

All: -1.092 ± 24.785 χ^2/NDF : 35.7/99

- sign -10.762 ± 34.076 χ^2/NDF : 15.5/50

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.642 $\pm$ 0.039 χ^2 /NDF: 2073716.2/23

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF:1761433.9/24

Right Out: 174.057 $\pm$ 0.037 χ^2 /NDF: 2752796.7/27

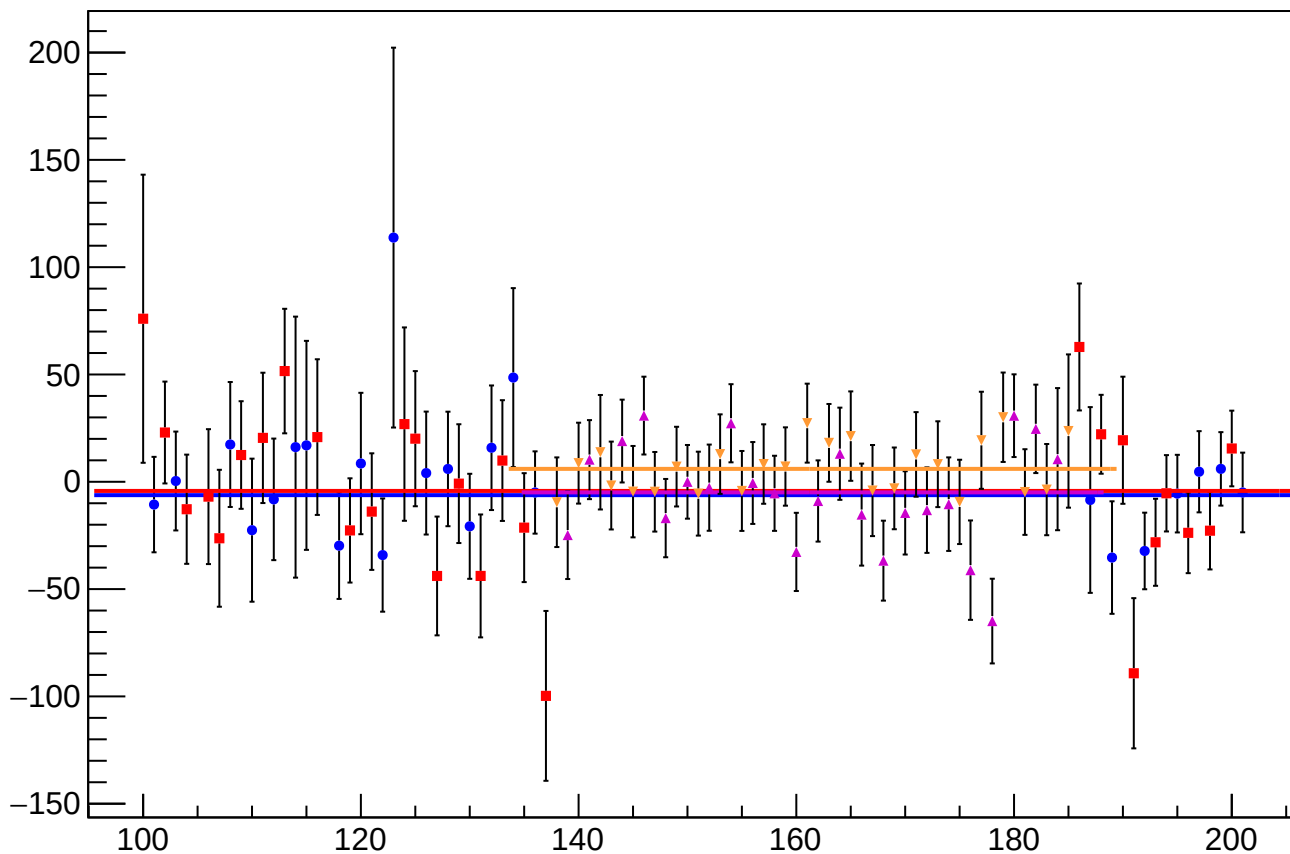
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF:1588834.3/22

+ sign 188.178 $\pm$ 0.026 χ^2 /NDF: 4048339.9/48

All: 182.464 $\pm$ 0.018 χ^2 /NDF: 8498681.7/99

- sign 177.377 $\pm$ 0.024 χ^2 /NDF: 4355711.1/50

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.226 ± 5.122 χ^2/NDF : 12.7/23

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -4.259 ± 4.835 χ^2/NDF : 39.4/27

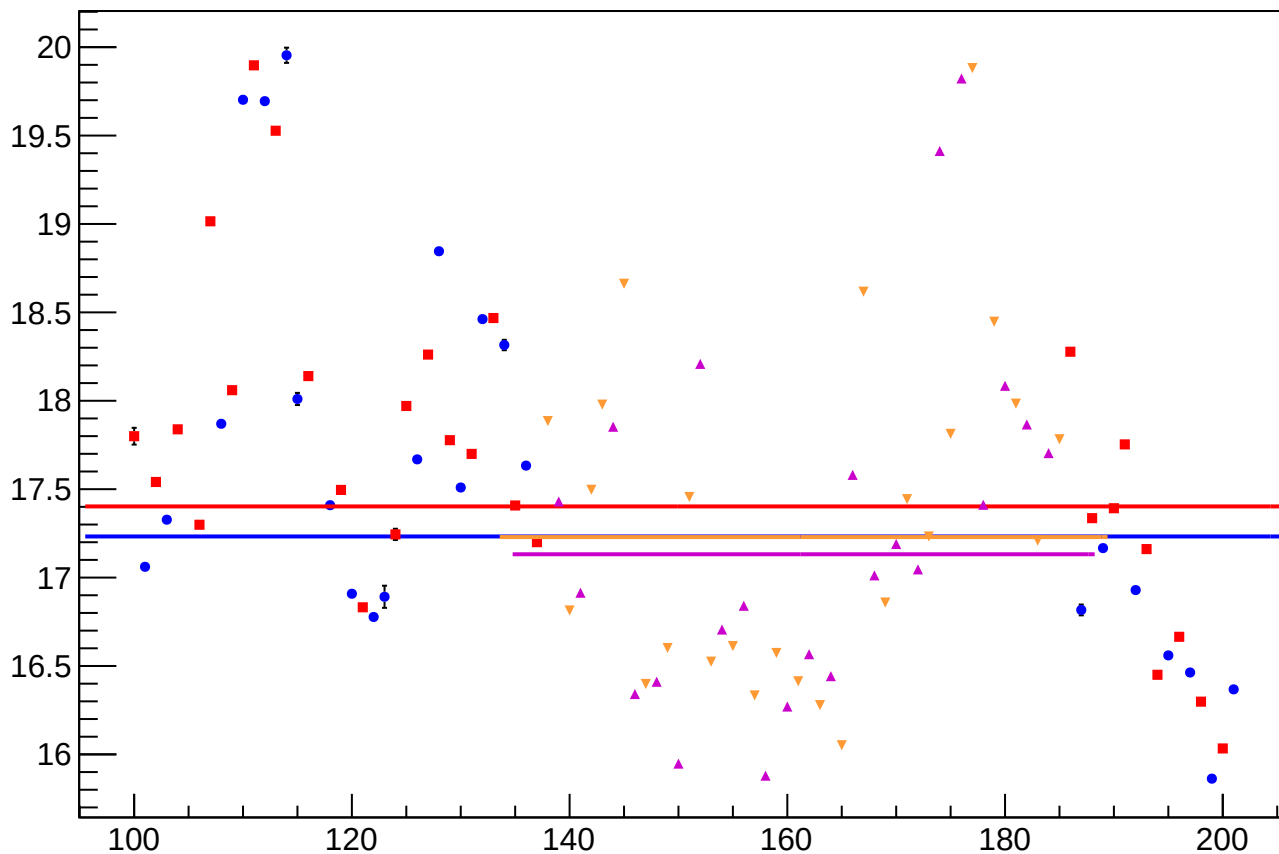
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.356 ± 3.161 χ^2/NDF : 24.3/48

All: -1.679 ± 2.224 χ^2/NDF : 100.4/99

- sign -4.656 ± 3.130 χ^2/NDF : 74.3/50

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.233 ± 0.004 $\chi^2/\text{NDF}: 70491.9/23$

Left Out: 17.229 ± 0.003 $\chi^2/\text{NDF}: 98624.7/24$

Right Out: 17.402 ± 0.003 $\chi^2/\text{NDF}: 69928.7/27$

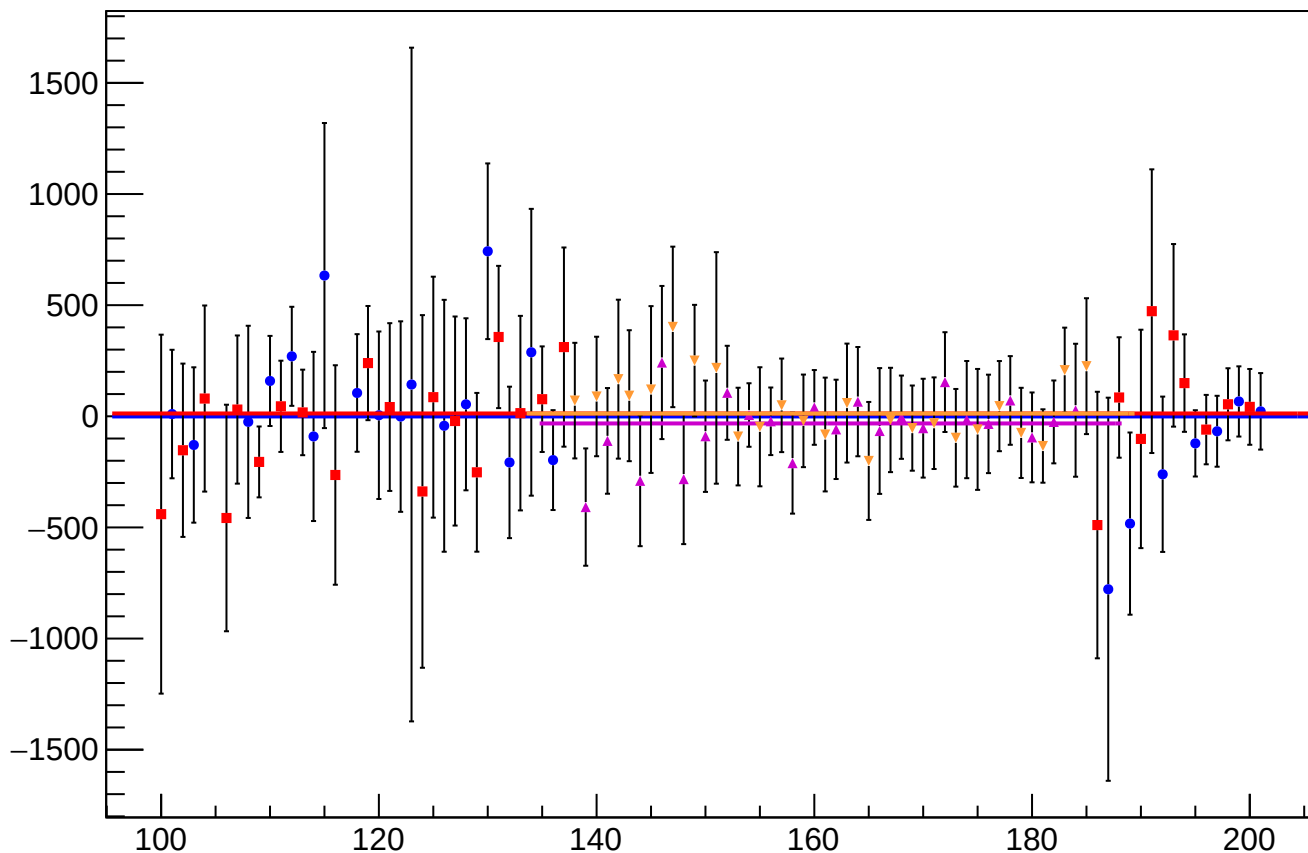
Left In: 17.132 ± 0.003 $\chi^2/\text{NDF}: 103997.3/22$

+ sign 17.230 ± 0.002 $\chi^2/\text{NDF}: 169117.1/48$

All: 17.238 ± 0.002 $\chi^2/\text{NDF}: 346704.5/99$

- sign 17.245 ± 0.002 $\chi^2/\text{NDF}: 177565.2/50$

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -0.681 ± 55.315 χ^2/NDF : 12.0/23

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 12.724 ± 52.612 χ^2/NDF : 9.6/27

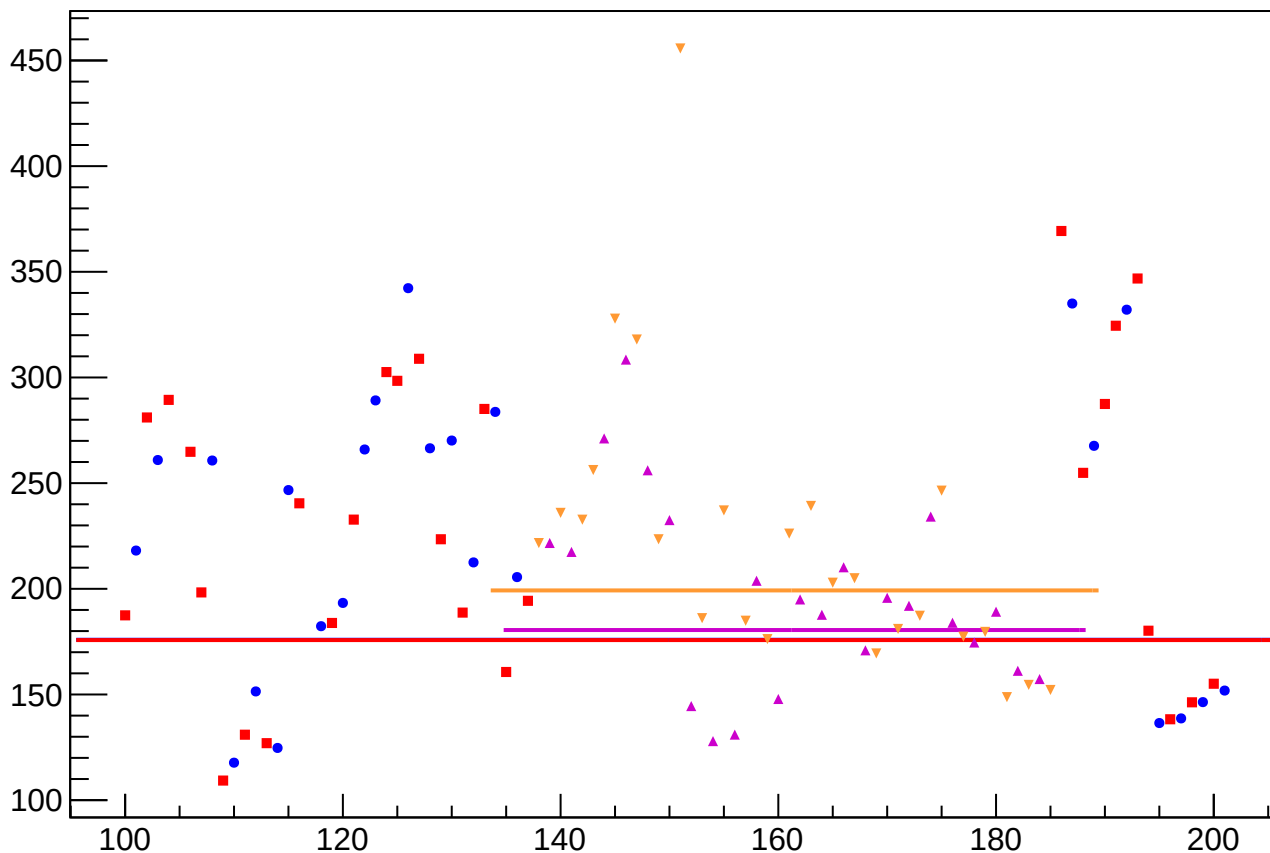
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign 6.812 ± 36.290 χ^2/NDF : 18.9/48

All: -3.735 ± 24.910 χ^2/NDF : 36.0/99

- sign -13.133 ± 34.255 χ^2/NDF : 17.0/50

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.888 $\pm$ 0.039 χ^2 /NDF: 2023948.3/23

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 175.742 $\pm$ 0.037 χ^2 /NDF: 2656041.8/27

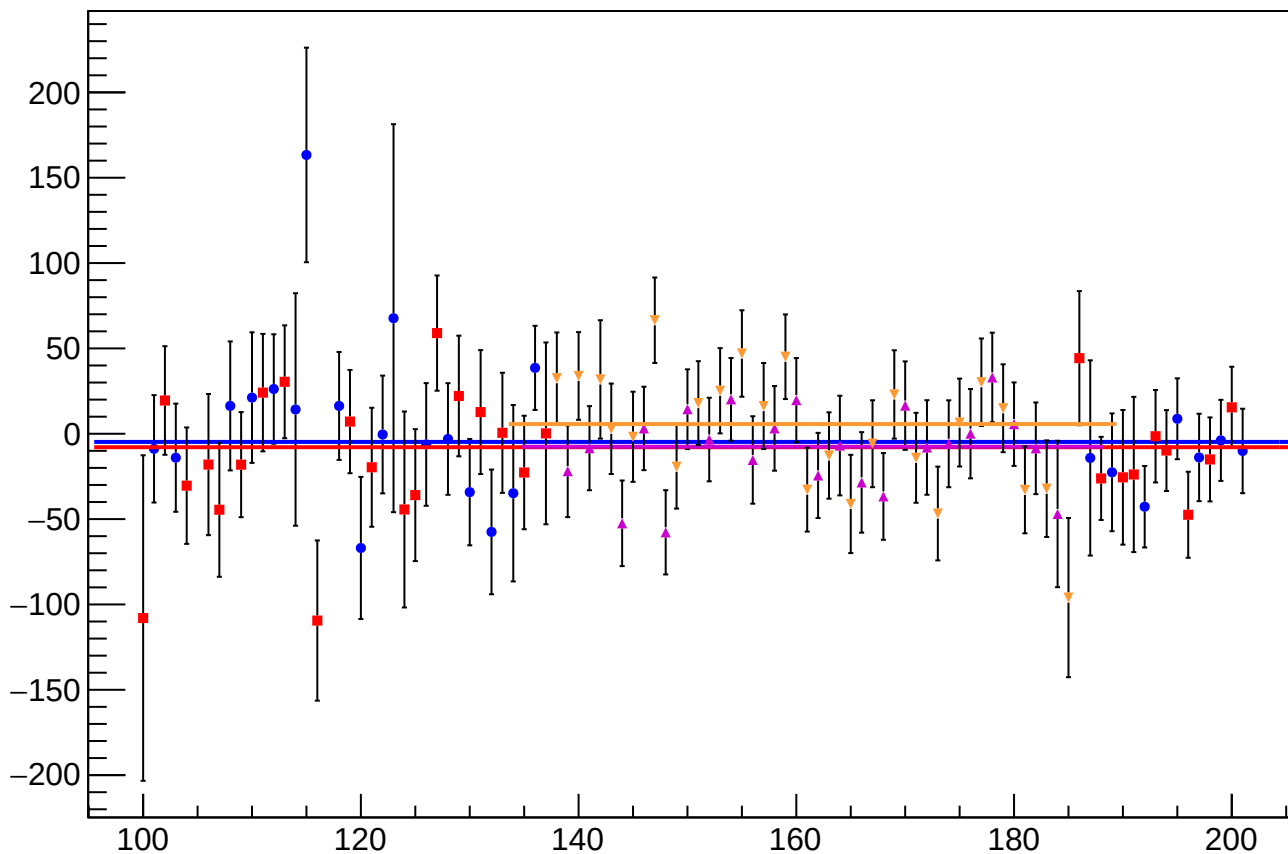
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 189.189 $\pm$ 0.026 χ^2 /NDF: 3991088.0/48

All: 183.525 $\pm$ 0.018 χ^2 /NDF: 8342432.7/99

- sign 178.479 $\pm$ 0.024 χ^2 /NDF: 4259225.9/50

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.777 ± 6.674 $\chi^2/\text{NDF}: 21.9/23$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -7.884 ± 6.268 $\chi^2/\text{NDF}: 23.0/27$

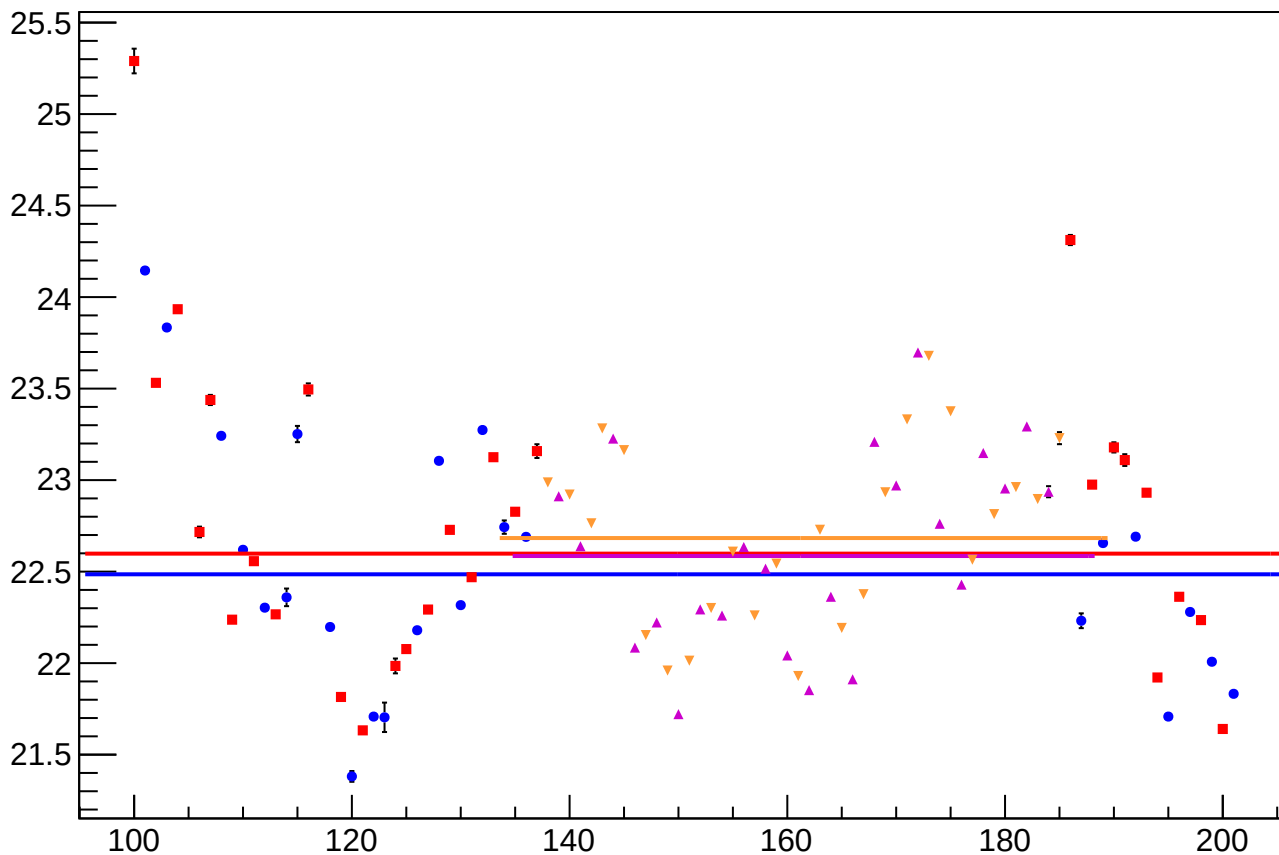
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 1.652 ± 4.140 $\chi^2/\text{NDF}: 59.8/48$

All: -3.087 ± 2.910 $\chi^2/\text{NDF}: 103.7/99$

- sign -7.717 ± 4.092 $\chi^2/\text{NDF}: 41.3/50$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.485 $\pm$ 0.005 χ^2 /NDF: 19833.9/23

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16318.1/24

Right Out: 22.598 $\pm$ 0.004 χ^2 /NDF: 23727.0/27

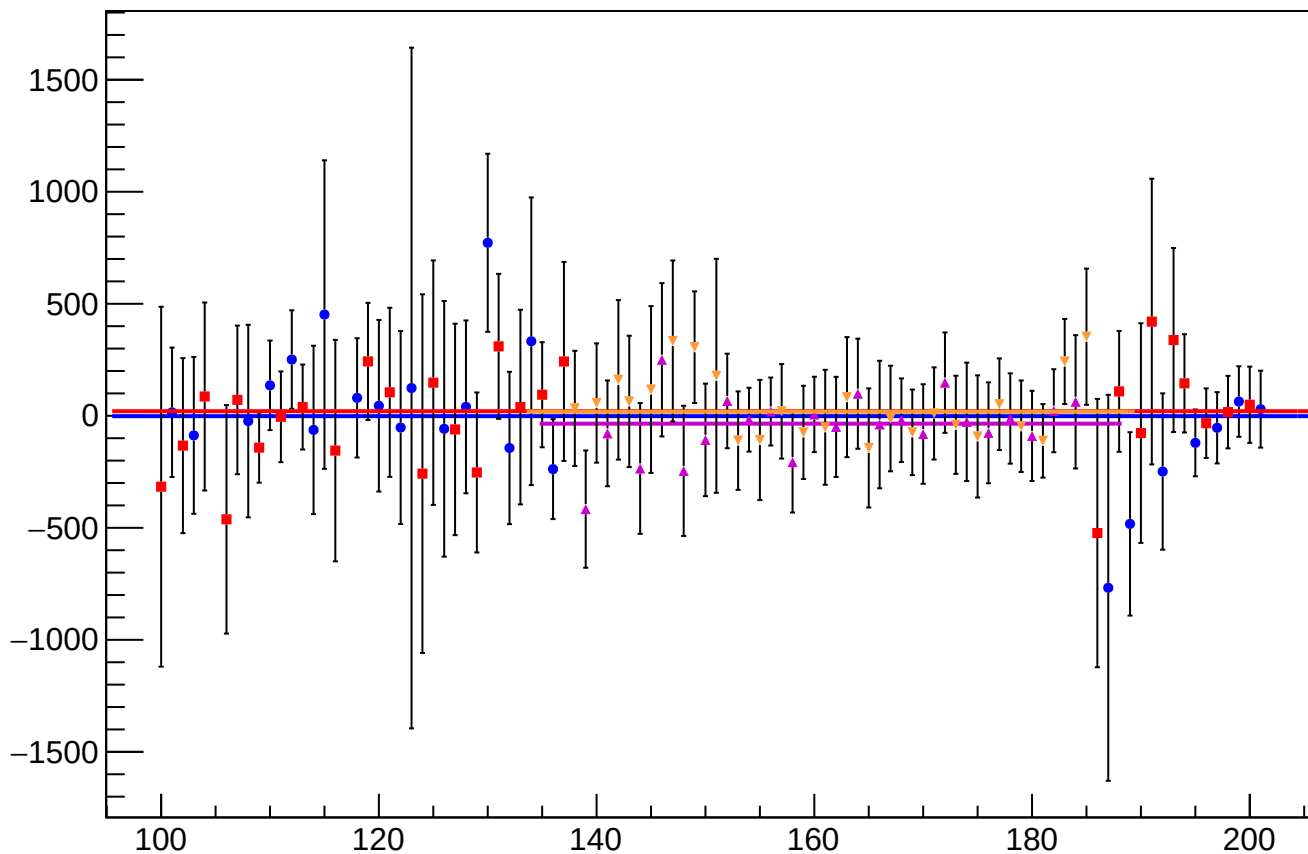
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF:18087.5/22

+ sign 22.607 $\pm$ 0.003 χ^2 /NDF: 37235.9/48

All: 22.599 $\pm$ 0.002 χ^2 /NDF: 79071.4/99

- sign 22.591 $\pm$ 0.003 χ^2 /NDF: 41819.5/50

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -1.552 ± 55.148 χ^2/NDF : 11.5/23

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 20.592 ± 52.347 χ^2/NDF : 7.7/27

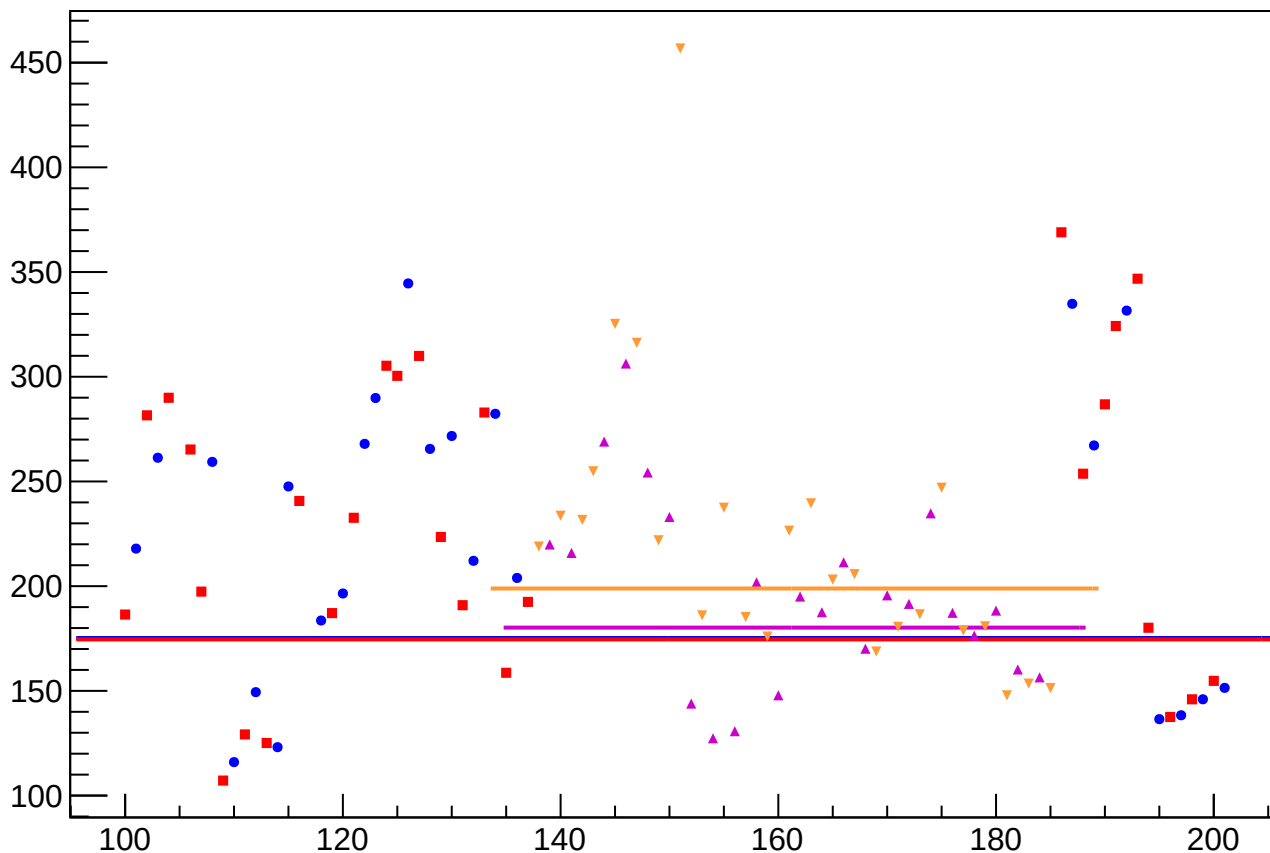
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign 9.931 ± 36.209 χ^2/NDF : 19.1/48

All: -1.339 ± 24.844 χ^2/NDF : 33.9/99

- sign -11.365 ± 34.152 χ^2/NDF : 14.6/50

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.243 $\pm$ 0.039 χ^2 /NDF: 2054812.7/23

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 174.572 $\pm$ 0.037 χ^2 /NDF: 2727950.3/27

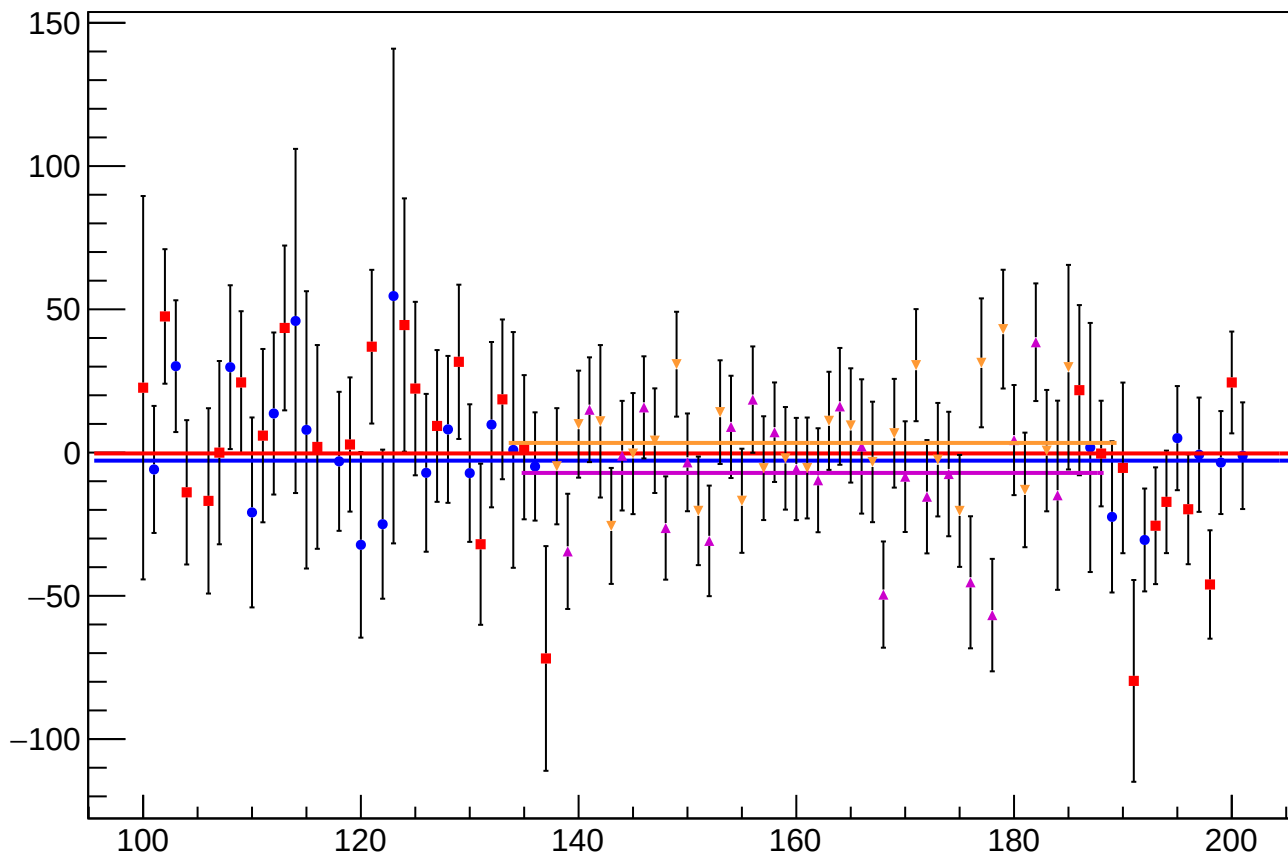
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 188.696 $\pm$ 0.026 χ^2 /NDF: 4026474.9/48

All: 182.934 $\pm$ 0.018 χ^2 /NDF: 8452444.3/99

- sign 177.809 $\pm$ 0.024 χ^2 /NDF: 4330268.6/50

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.812 ± 5.128 χ^2/NDF : 10.3/23

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -0.300 ± 4.829 χ^2/NDF : 35.2/27

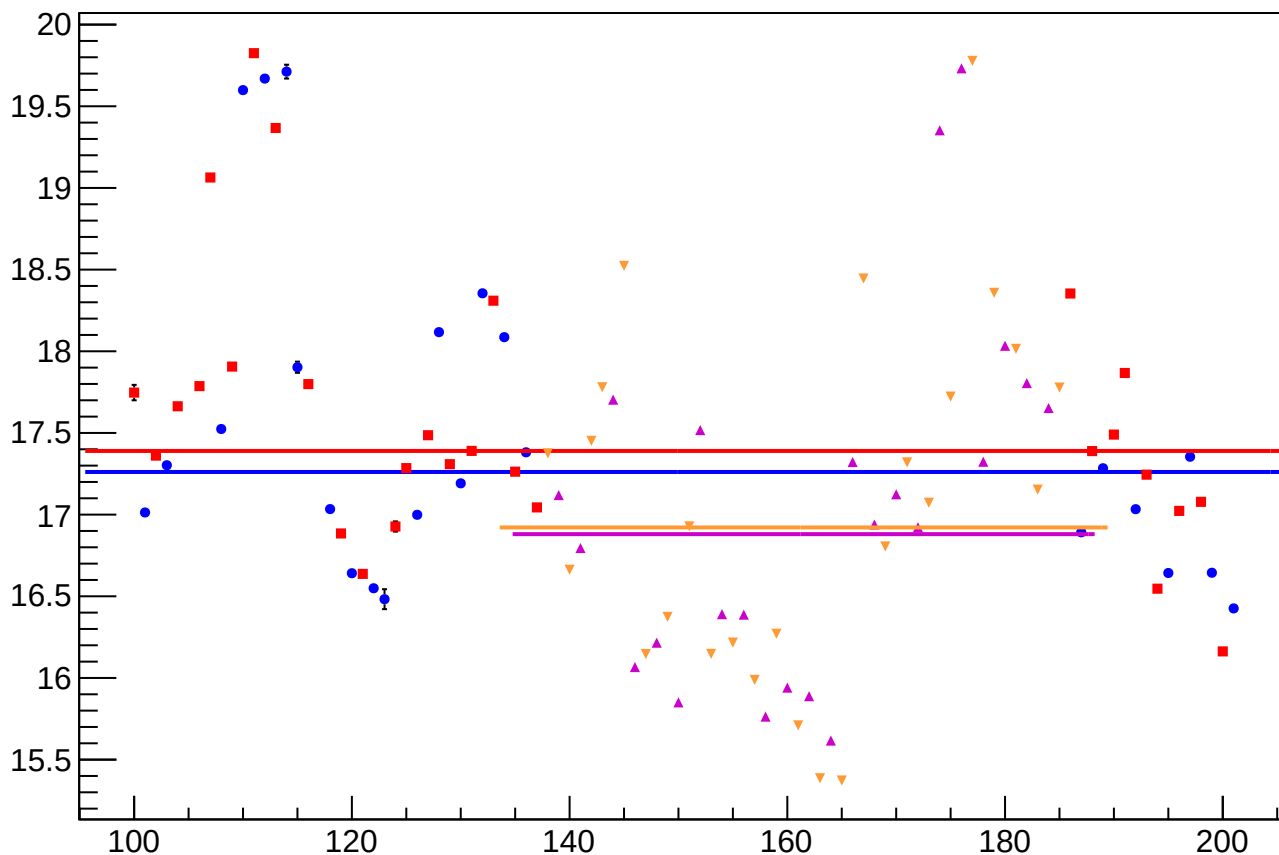
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 1.071 ± 3.128 χ^2/NDF : 30.0/48

All: -1.633 ± 2.202 χ^2/NDF : 100.4/99

- sign -4.294 ± 3.102 χ^2/NDF : 68.9/50

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.261+/-0.004 χ^2/NDF : 46521.5/23

Left Out: 16.921+/-0.003 χ^2/NDF : 138990.4/24

Right Out: 17.390+/-0.003 χ^2/NDF : 52648.4/27

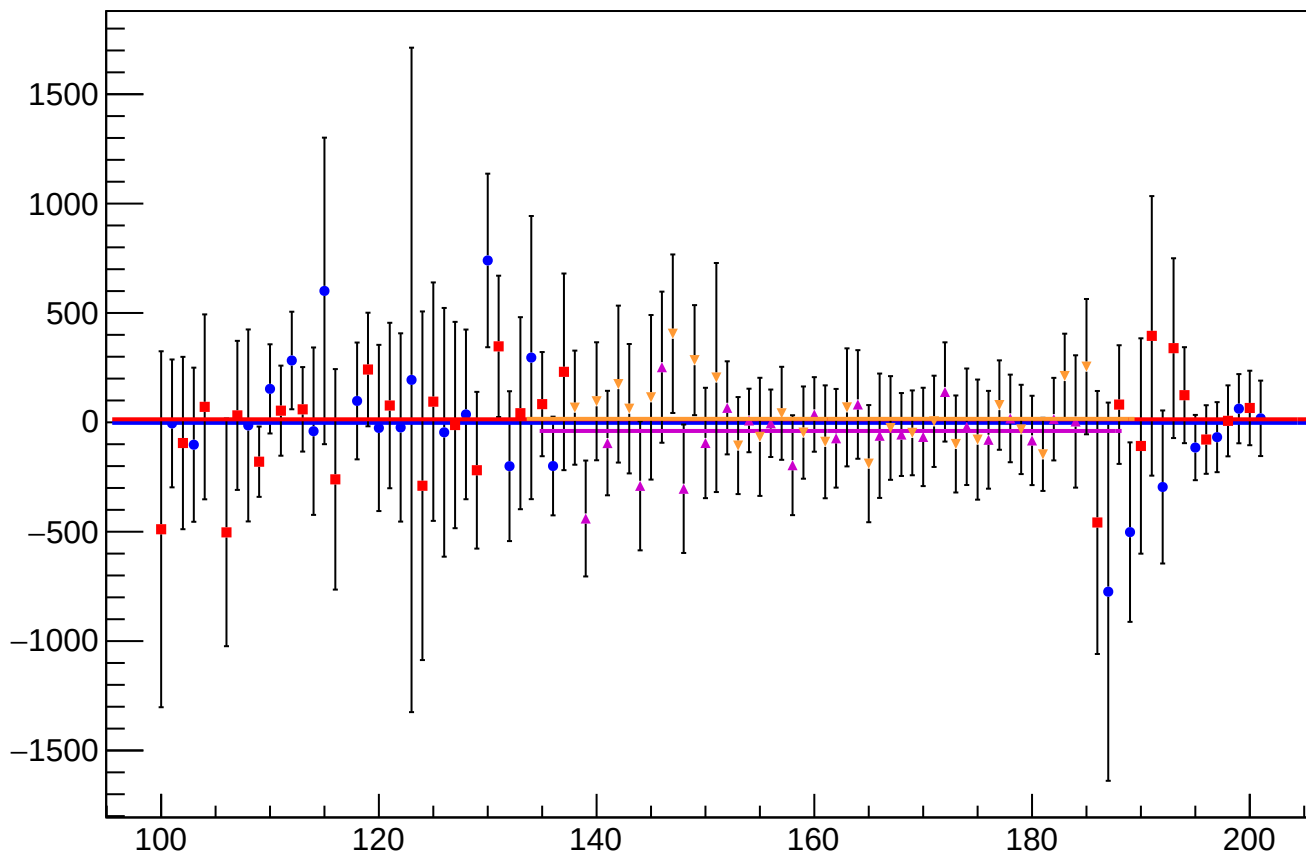
Left In: 16.880+/-0.003 χ^2/NDF : 121736.1/22

+ sign 17.048+/-0.002 χ^2/NDF : 191022.9/48

All: 17.069+/-0.002 χ^2/NDF : 378666.3/99

- sign 17.091+/-0.002 χ^2/NDF : 187454.8/50

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -2.304 ± 55.517 χ^2/NDF : 11.9/23

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 13.920 ± 52.842 χ^2/NDF : 8.5/27

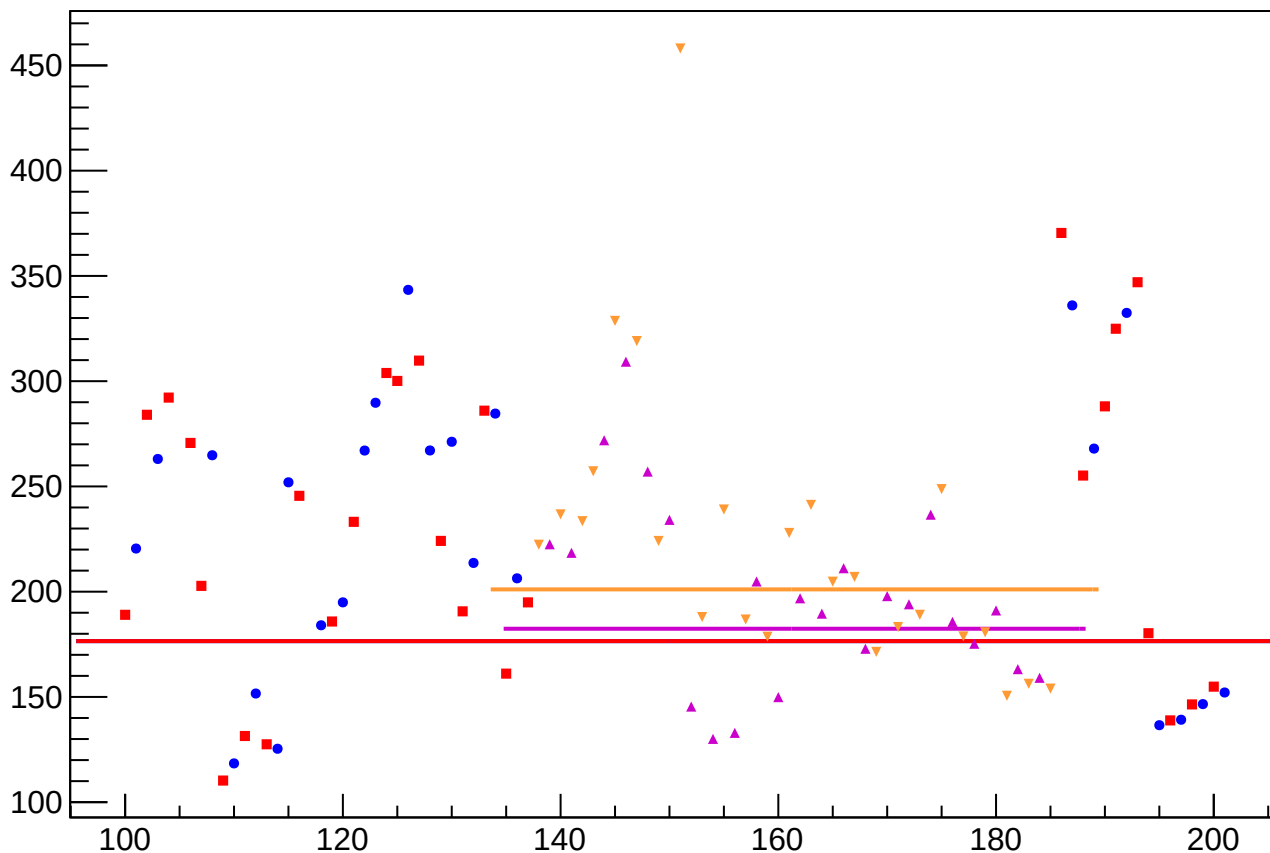
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign 8.059 ± 36.526 χ^2/NDF : 19.4/48

All: -4.993 ± 25.085 χ^2/NDF : 35.6/99

- sign -16.645 ± 34.510 χ^2/NDF : 16.0/50

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 176.489 $\pm$ 0.039 χ^2 /NDF: 2037320.5/23

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 176.523 $\pm$ 0.037 χ^2 /NDF: 2663029.9/27

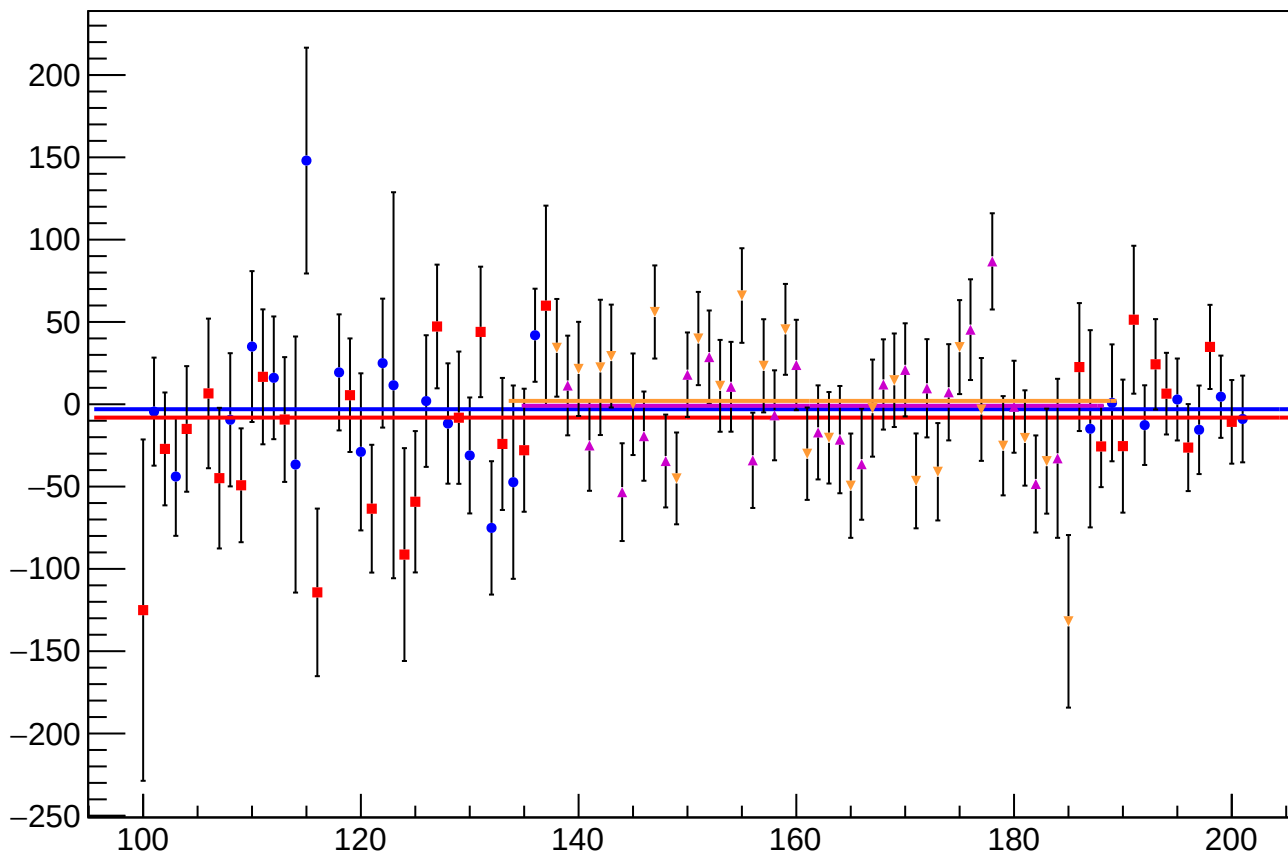
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 190.441 $\pm$ 0.026 χ^2 /NDF: 3991126.1/48

All: 184.867 $\pm$ 0.018 χ^2 /NDF: 8305398.7/99

- sign 179.891 $\pm$ 0.024 χ^2 /NDF: 4226108.0/50

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -3.004 ± 7.254 χ^2/NDF : 16.1/23

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -8.096 ± 6.757 χ^2/NDF : 27.5/27

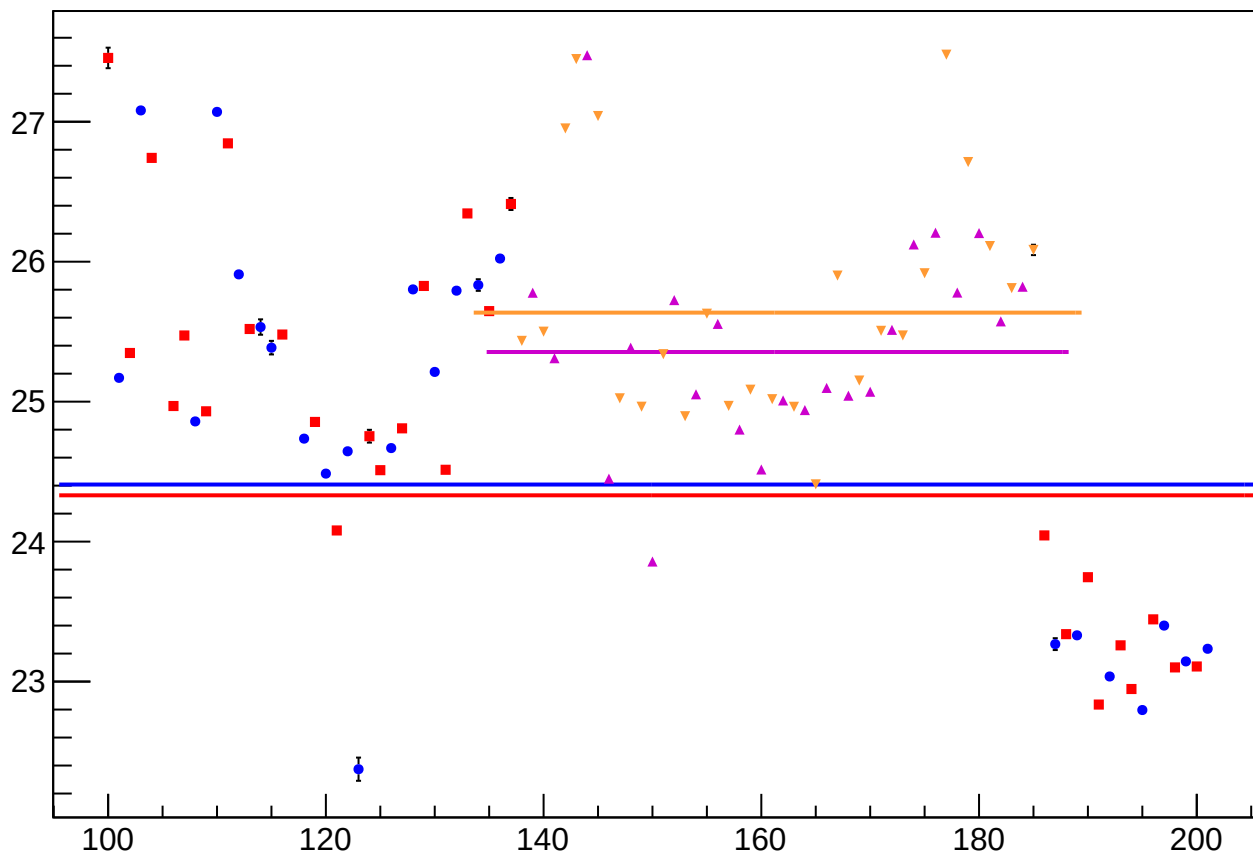
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 0.011 ± 4.610 χ^2/NDF : 55.9/48

All: -2.094 ± 3.226 χ^2/NDF : 111.5/99

- sign -4.114 ± 4.515 χ^2/NDF : 55.2/50

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.408 $\pm$ 0.005 χ^2 /NDF: 67367.8/23

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.331 $\pm$ 0.005 χ^2 /NDF: 64925.7/27

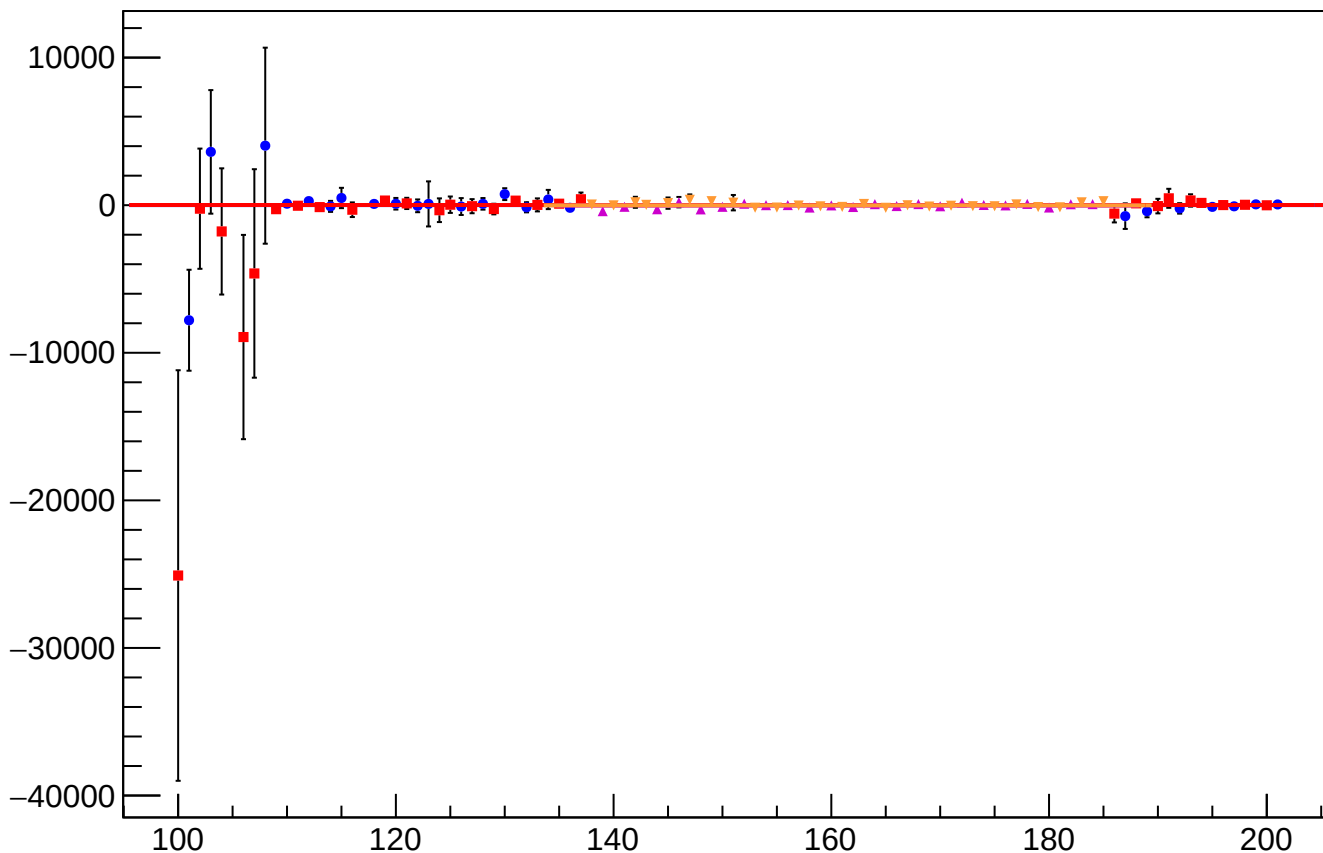
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.140 $\pm$ 0.003 χ^2 /NDF: 136685.3/48

All: 25.016 $\pm$ 0.002 χ^2 /NDF: 259627.7/99

- sign 24.897 $\pm$ 0.003 χ^2 /NDF: 120114.4/50

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 7.655 $\pm$ 58.748 χ^2 /NDF: 16.6/23

Left Out: -12.820 $\pm$ 48.216 χ^2 /NDF: 7.9/24

Right Out: 12.634 $\pm$ 57.077 χ^2 /NDF: 14.7/27

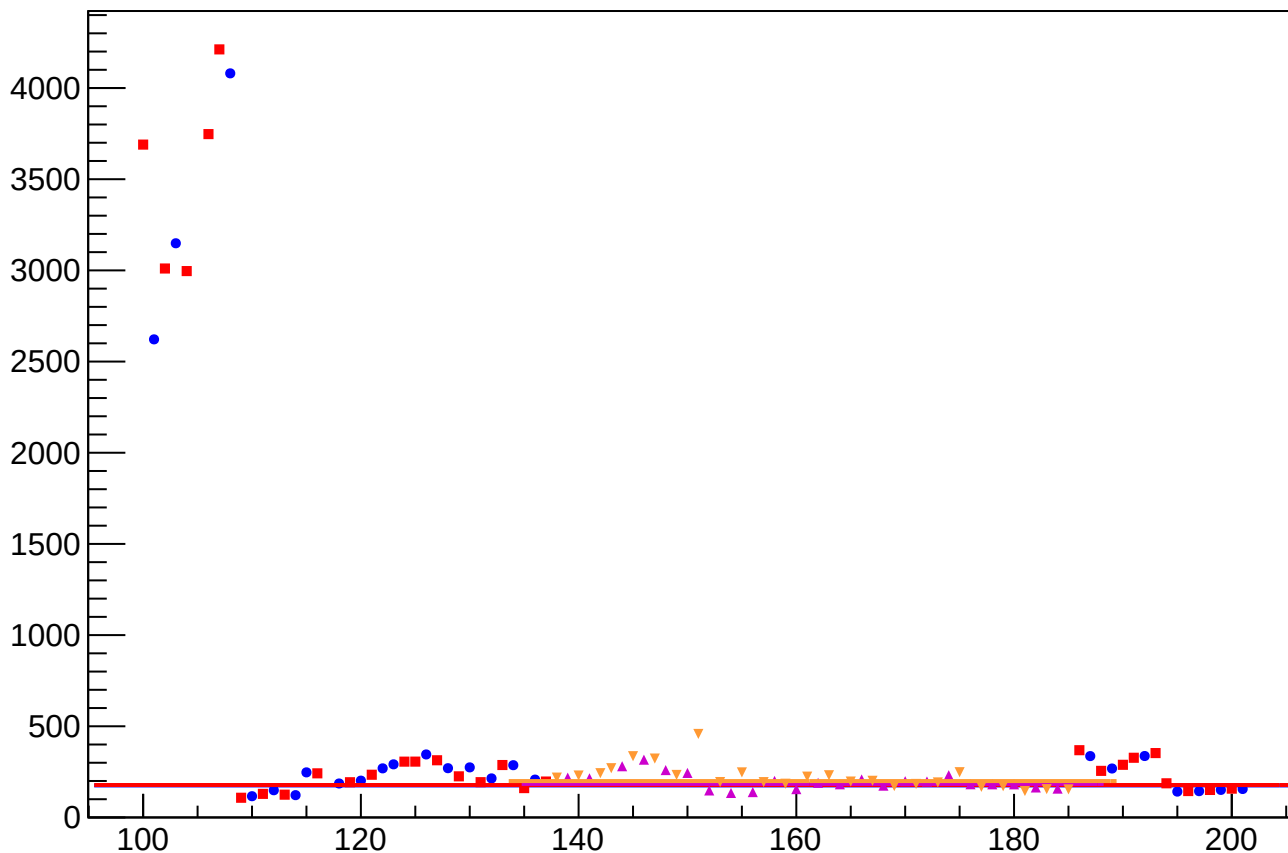
Left In: -26.836 $\pm$ 45.876 χ^2 /NDF: 7.5/22

+ sign -4.579 $\pm$ 37.271 χ^2 /NDF: 24.5/48

All: -8.102 $\pm$ 25.803 χ^2 /NDF: 47.1/99

- sign -11.345 $\pm$ 35.757 χ^2 /NDF: 22.5/50

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.623+/-0.042 χ^2/NDF : 4462818.6/23

Left Out: 199.536+/-0.034 χ^2/NDF :1880548.8/24

Right Out: 177.841+/-0.040 χ^2/NDF : 5299551.5/27

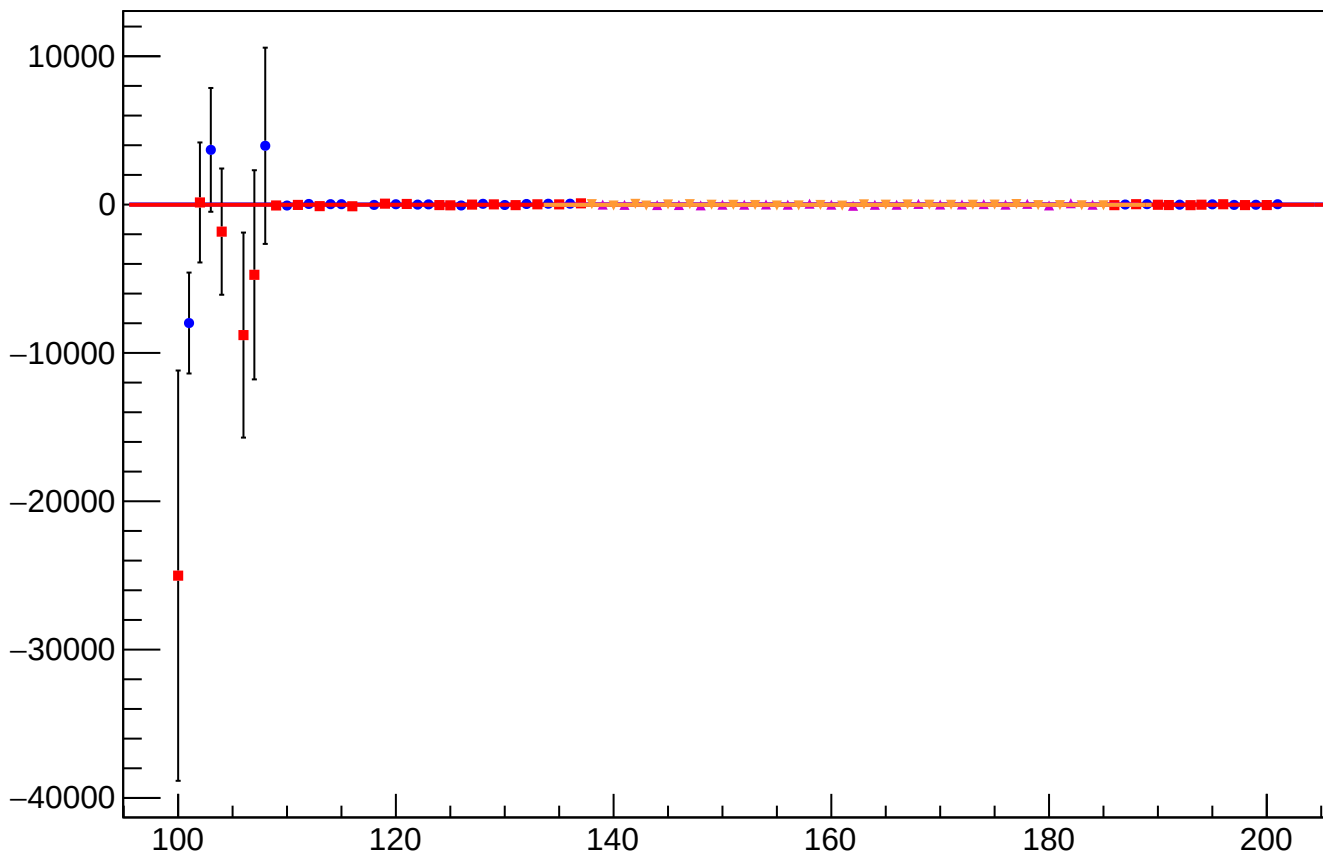
Left In: 184.031+/-0.032 χ^2/NDF :1423454.3/22

+ sign 189.911+/-0.026 χ^2/NDF : 6541352.9/48

All: 185.584+/-0.018 χ^2/NDF : 13330416.3/99

- sign 181.602+/-0.025 χ^2/NDF : 6737299.1/50

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 6.598 ± 8.811 χ^2/NDF : 21.2/23

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -12.586 ± 8.365 χ^2/NDF : 29.0/27

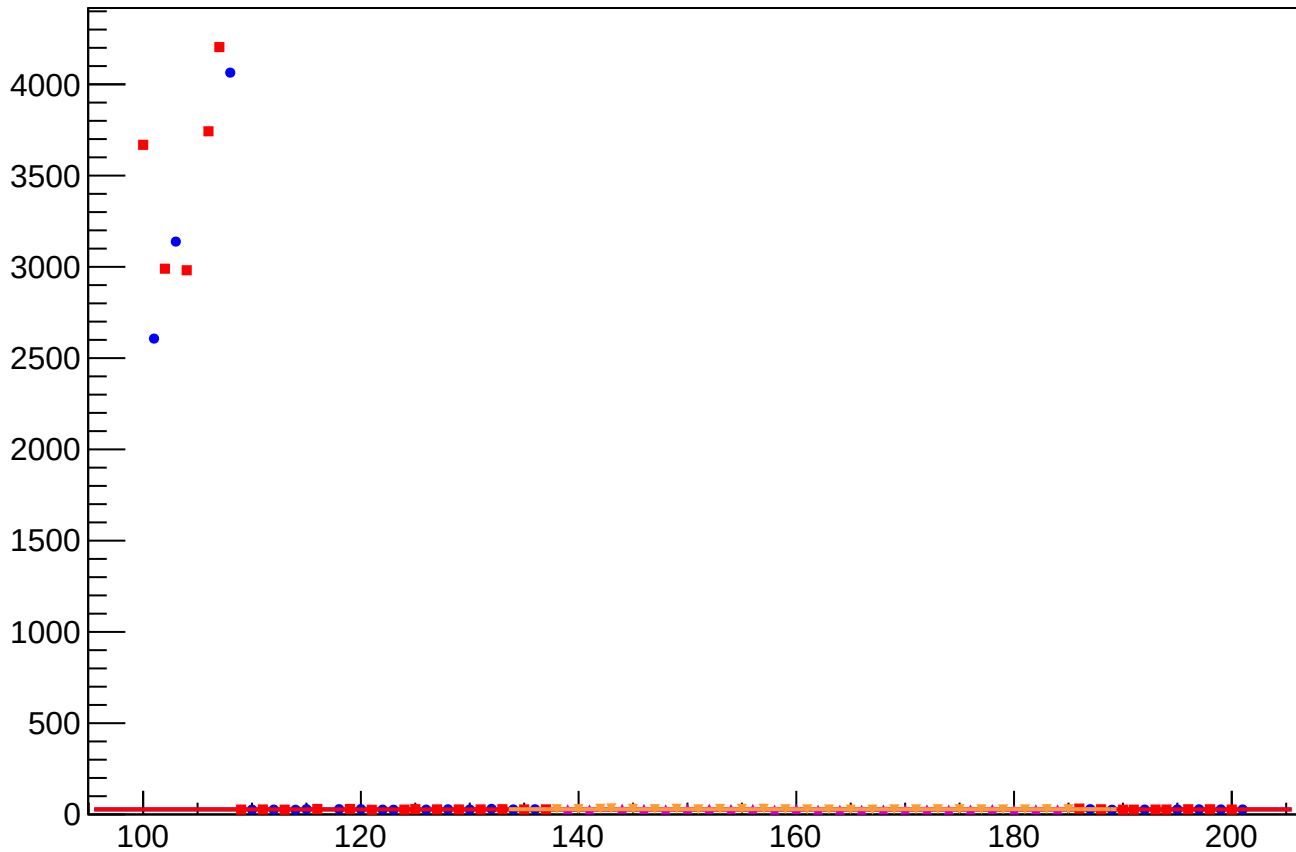
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -8.732 ± 5.330 χ^2/NDF : 48.3/48

All: -7.210 ± 3.763 χ^2/NDF : 111.0/99

- sign -5.697 ± 5.314 χ^2/NDF : 62.6/50

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.630 $\pm$ 0.006 χ^2 /NDF: 3034896.8/23

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.674 $\pm$ 0.006 χ^2 /NDF: 3502175.6/27

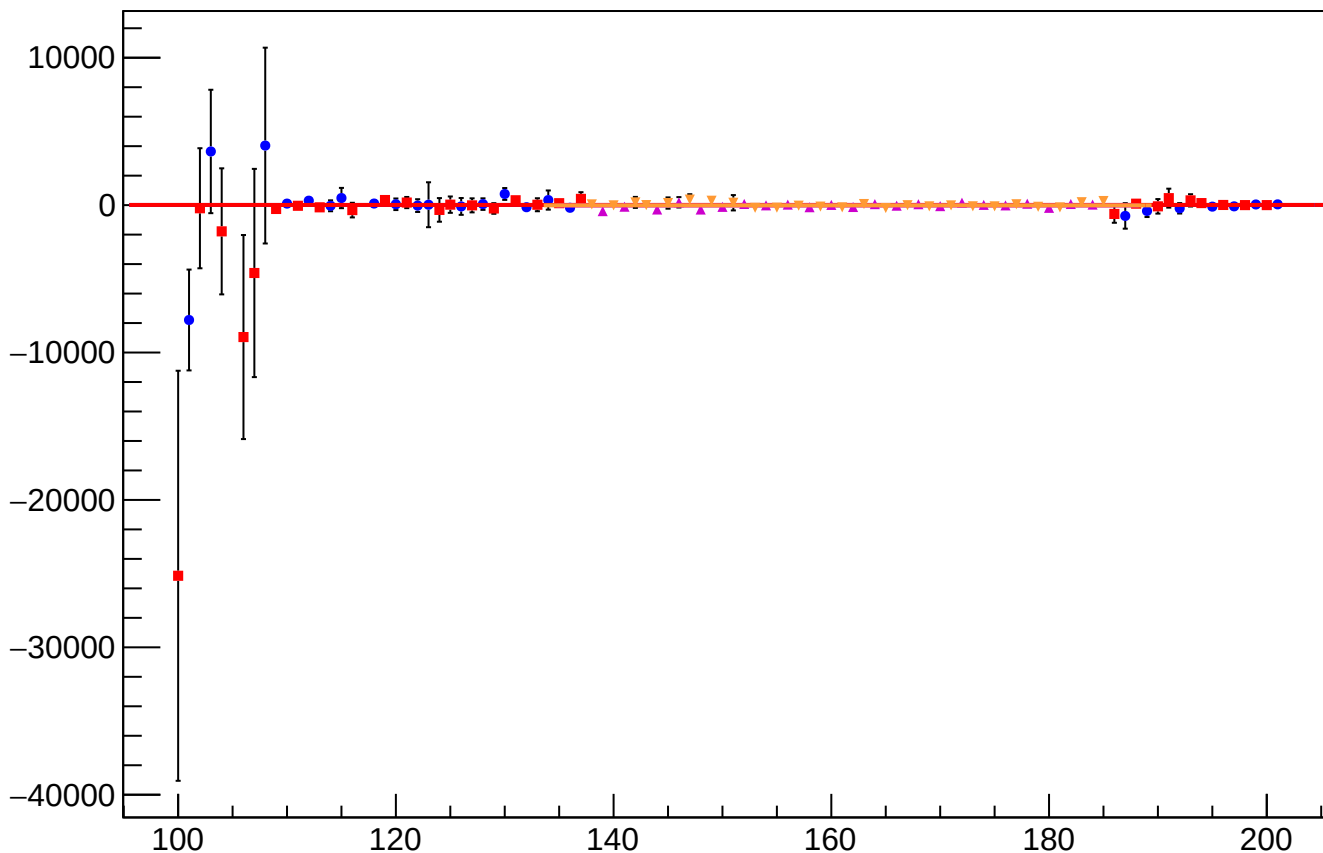
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.303 $\pm$ 0.004 χ^2 /NDF: 3163745.6/48

All: 28.286 $\pm$ 0.003 χ^2 /NDF: 6807708.0/99

- sign 28.270 $\pm$ 0.004 χ^2 /NDF: 3643924.2/50

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 10.290+/-58.562 χ^2/NDF : 16.7/23

Left Out: -15.483+/-48.109 χ^2/NDF : 8.7/24

Right Out: 13.244+/-56.916 χ^2/NDF : 15.4/27

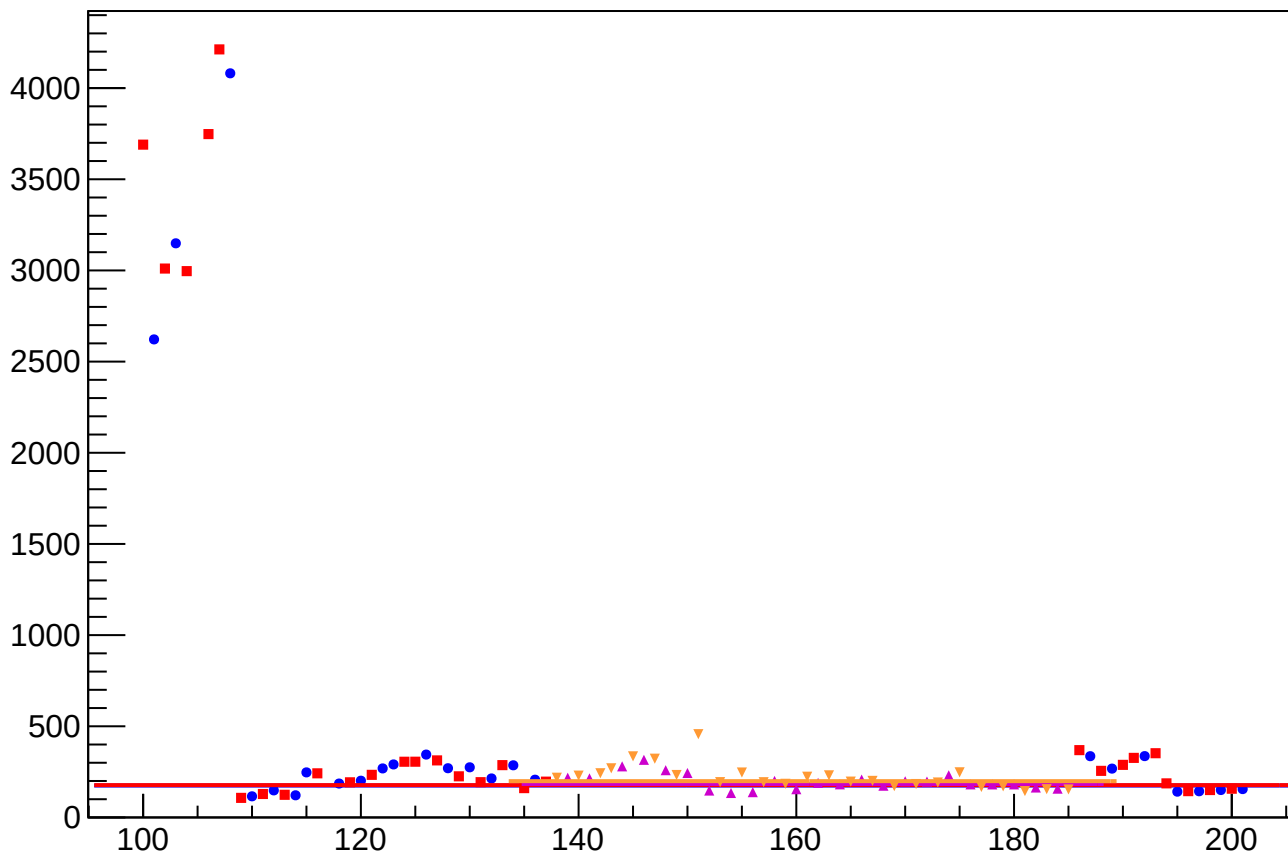
Left In: -27.009+/-45.785 χ^2/NDF : 7.8/22

+ sign -5.098+/-37.174 χ^2/NDF : 25.5/48

All: -8.272+/-25.739 χ^2/NDF : 49.1/99

- sign -11.195+/-35.675 χ^2/NDF : 23.5/50

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 175.004 $\pm$ 0.041 χ^2 /NDF: 4476361.2/23

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 177.266 $\pm$ 0.040 χ^2 /NDF: 5317052.3/27

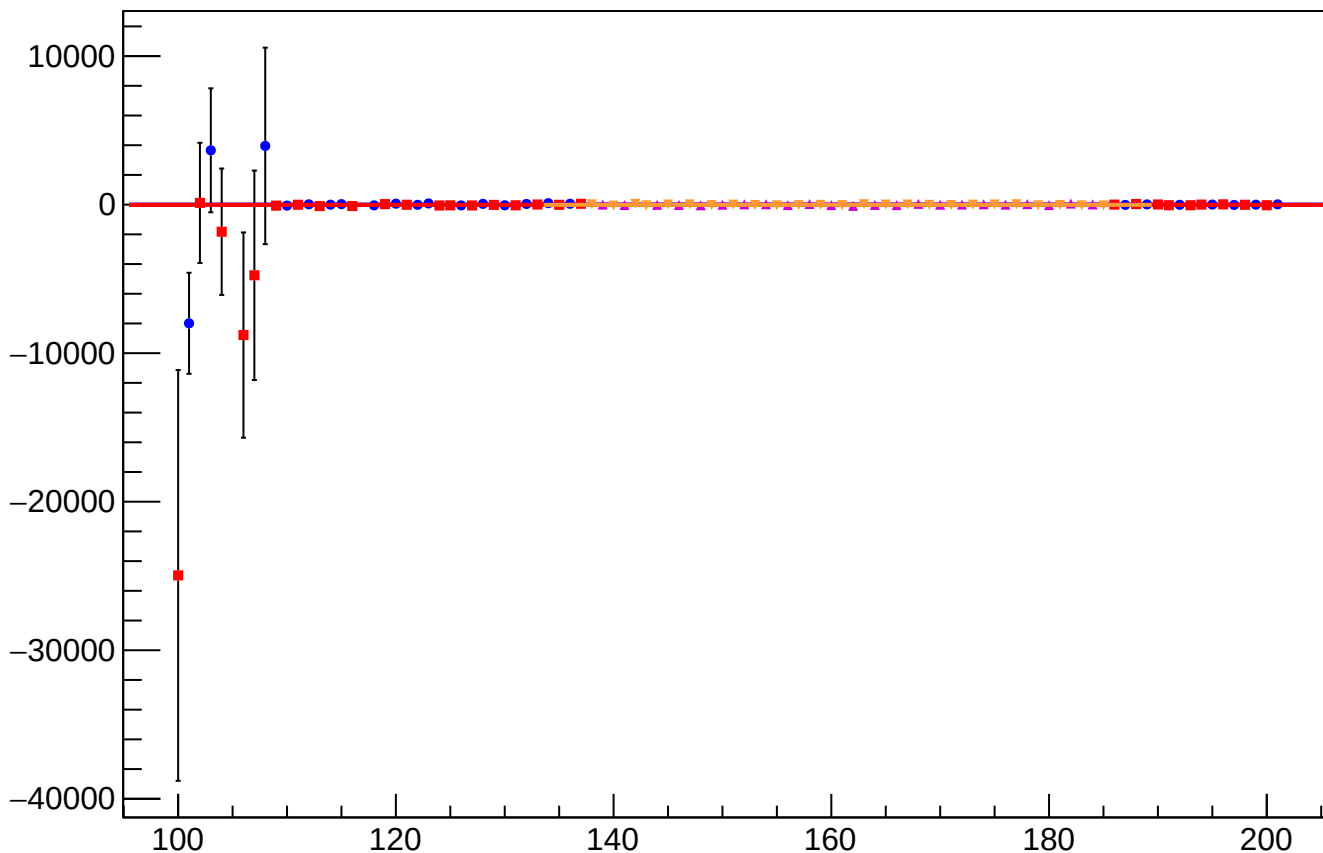
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 189.387 $\pm$ 0.026 χ^2 /NDF: 6558757.6/48

All: 185.100 $\pm$ 0.018 χ^2 /NDF: 13365161.5/99

- sign 181.152 $\pm$ 0.025 χ^2 /NDF: 6755308.9/50

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 3.838 ± 8.816 χ^2/NDF : 24.2/23

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -15.598 ± 8.376 χ^2/NDF : 24.5/27

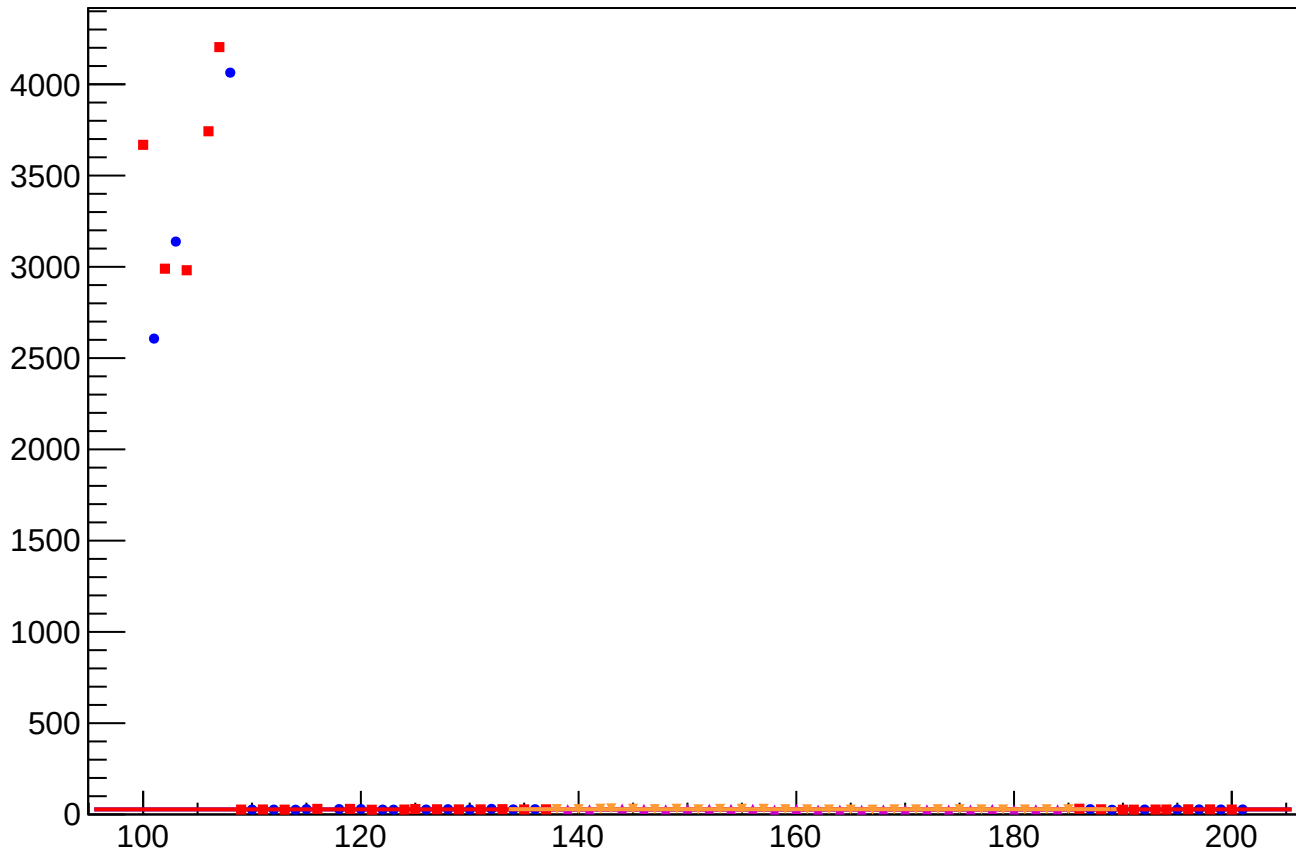
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -8.076 ± 5.346 χ^2/NDF : 44.6/48

All: -6.984 ± 3.774 χ^2/NDF : 97.8/99

- sign -5.898 ± 5.330 χ^2/NDF : 53.2/50

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.641 $\pm$ 0.006 χ^2 /NDF: 3037186.4/23

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.708 $\pm$ 0.006 χ^2 /NDF: 3499738.9/27

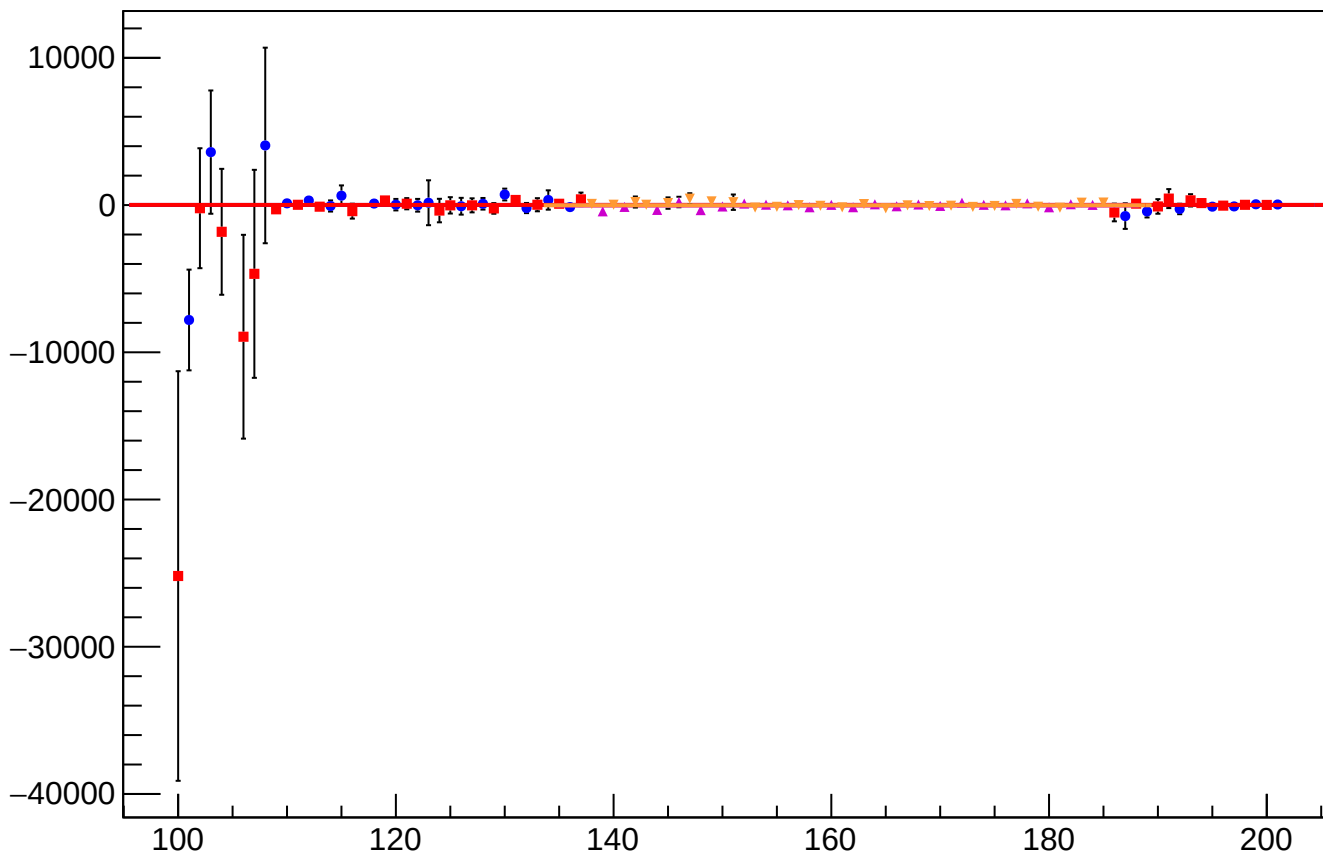
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.382 $\pm$ 0.004 χ^2 /NDF: 3181499.2/48

All: 28.368 $\pm$ 0.003 χ^2 /NDF: 6830605.7/99

- sign 28.353 $\pm$ 0.004 χ^2 /NDF: 3649078.2/50

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 8.063 ± 59.018 χ^2/NDF : 17.1/23

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: 11.091 ± 57.409 χ^2/NDF : 14.6/27

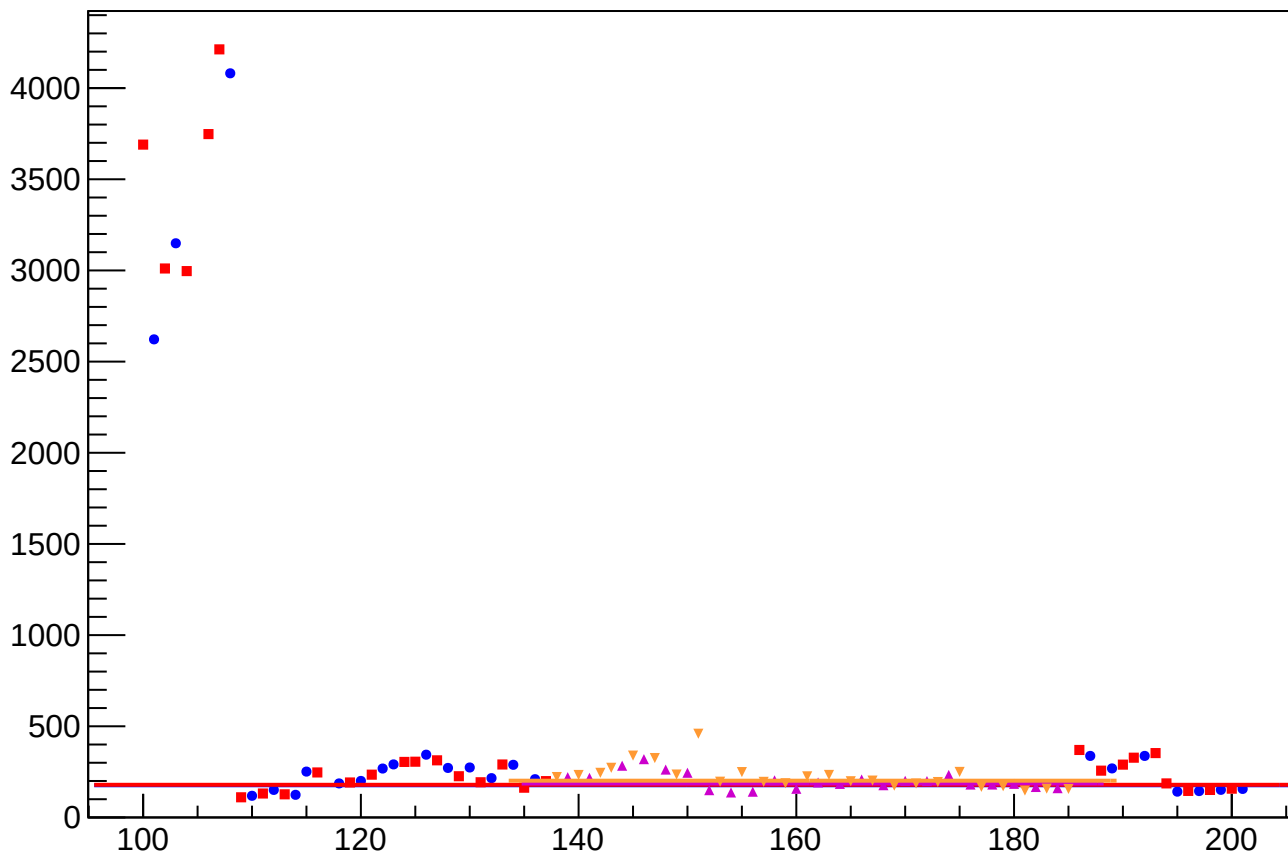
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -5.986 ± 37.557 χ^2/NDF : 25.2/48

All: -10.410 ± 26.014 χ^2/NDF : 48.4/99

- sign -14.490 ± 36.068 χ^2/NDF : 23.1/50

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 176.523+/-0.042 χ^2/NDF : 4442560.3/23

Left Out: 201.600+/-0.034 χ^2/NDF :1857453.2/24

Right Out: 179.116+/-0.041 χ^2/NDF : 5253103.6/27

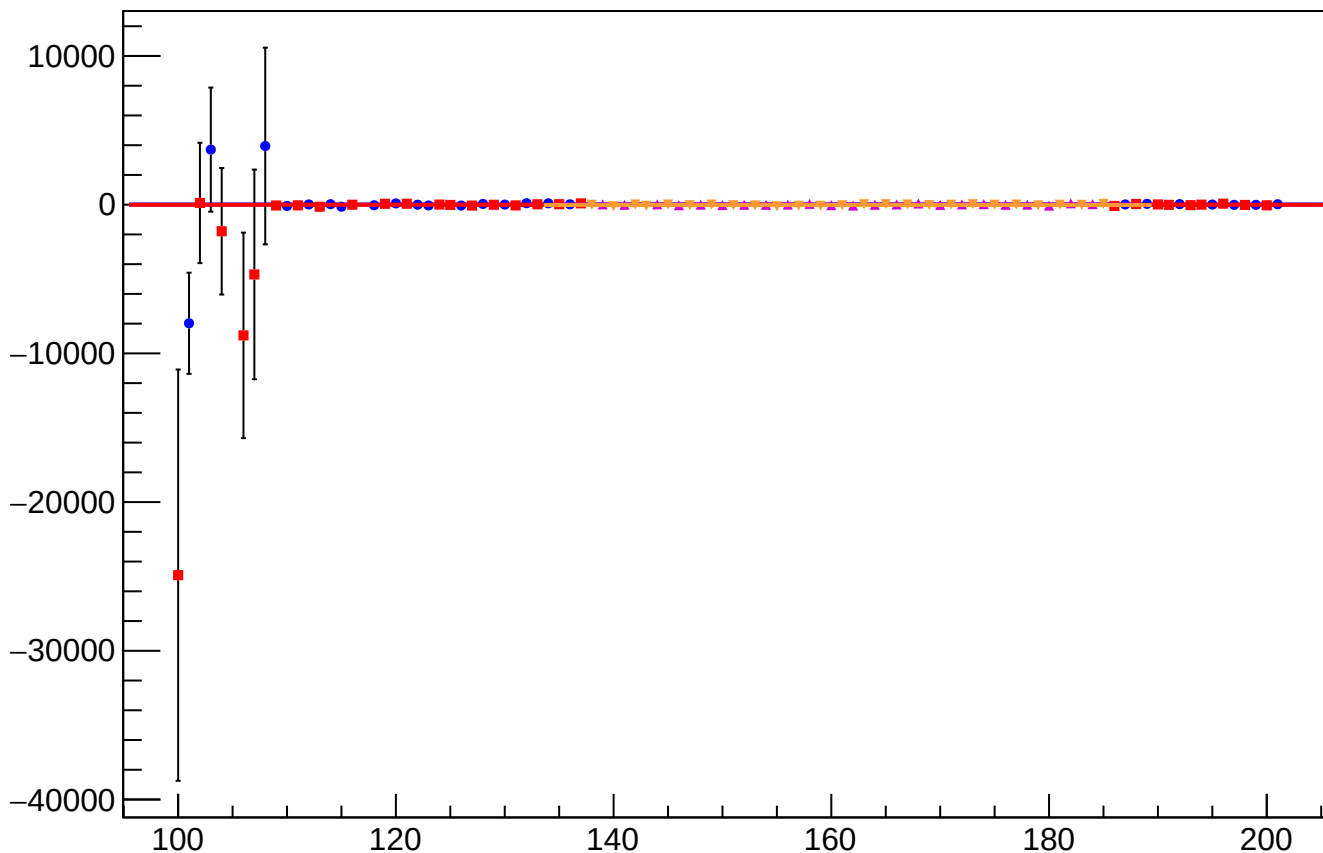
Left In: 186.107+/-0.033 χ^2/NDF :1391327.2/22

+ sign 191.445+/-0.027 χ^2/NDF : 6514864.7/48

All: 187.232+/-0.018 χ^2/NDF : 13225615.9/99

- sign 183.347+/-0.026 χ^2/NDF : 6662384.7/50

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 11.072 $\pm$ 10.743 χ^2 /NDF: 22.6/23

Left Out: -23.360 $\pm$ 8.064 χ^2 /NDF:25.8/24

Right Out: -6.085 $\pm$ 10.195 χ^2 /NDF: 31.3/27

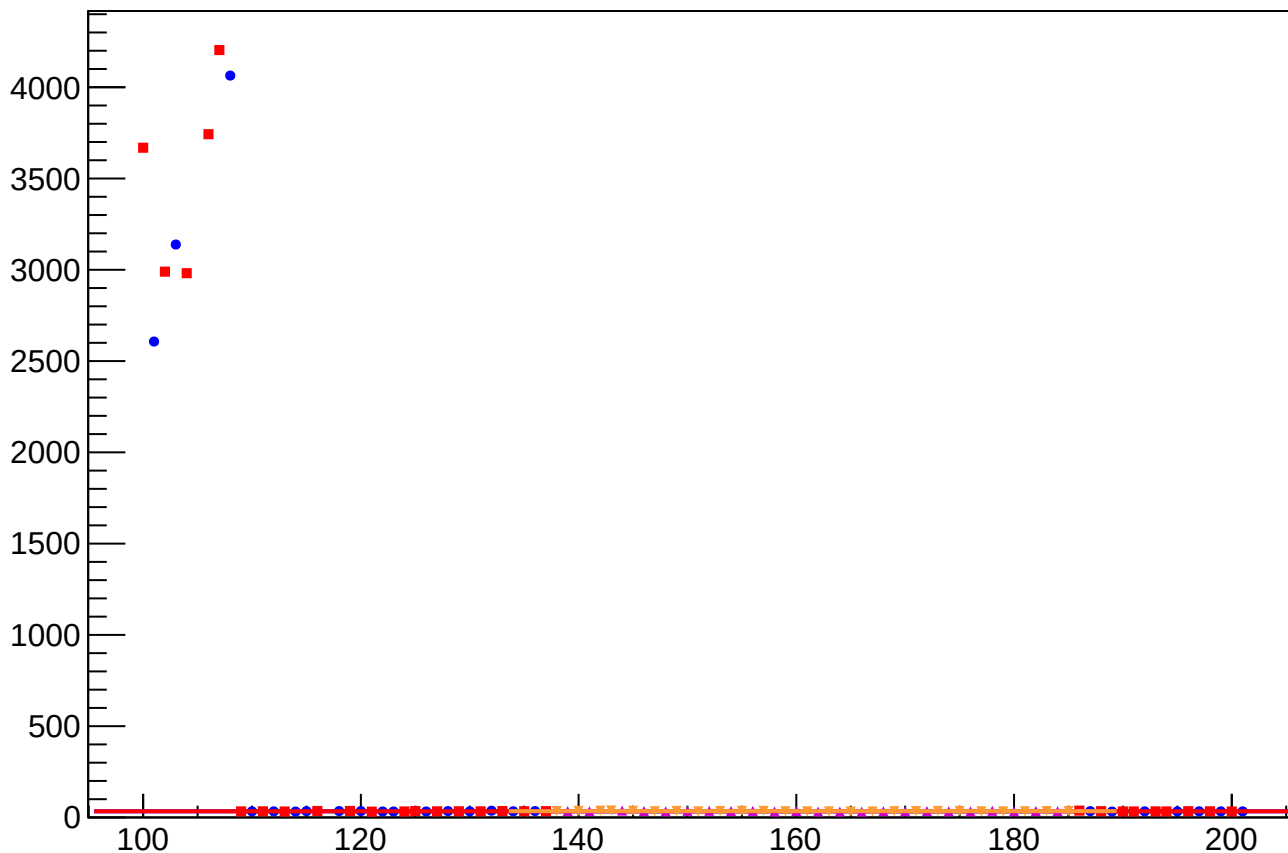
Left In: 6.001 $\pm$ 8.309 χ^2 /NDF:21.1/22

+ sign -10.951 $\pm$ 6.450 χ^2 /NDF: 55.0/48

All: -4.878 $\pm$ 4.557 χ^2 /NDF: 110.0/99

- sign 1.177 $\pm$ 6.441 χ^2 /NDF: 53.2/50

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.711 $\pm$ 0.008 χ^2 /NDF: 3012030.7/23

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.778 $\pm$ 0.007 χ^2 /NDF: 3464789.7/27

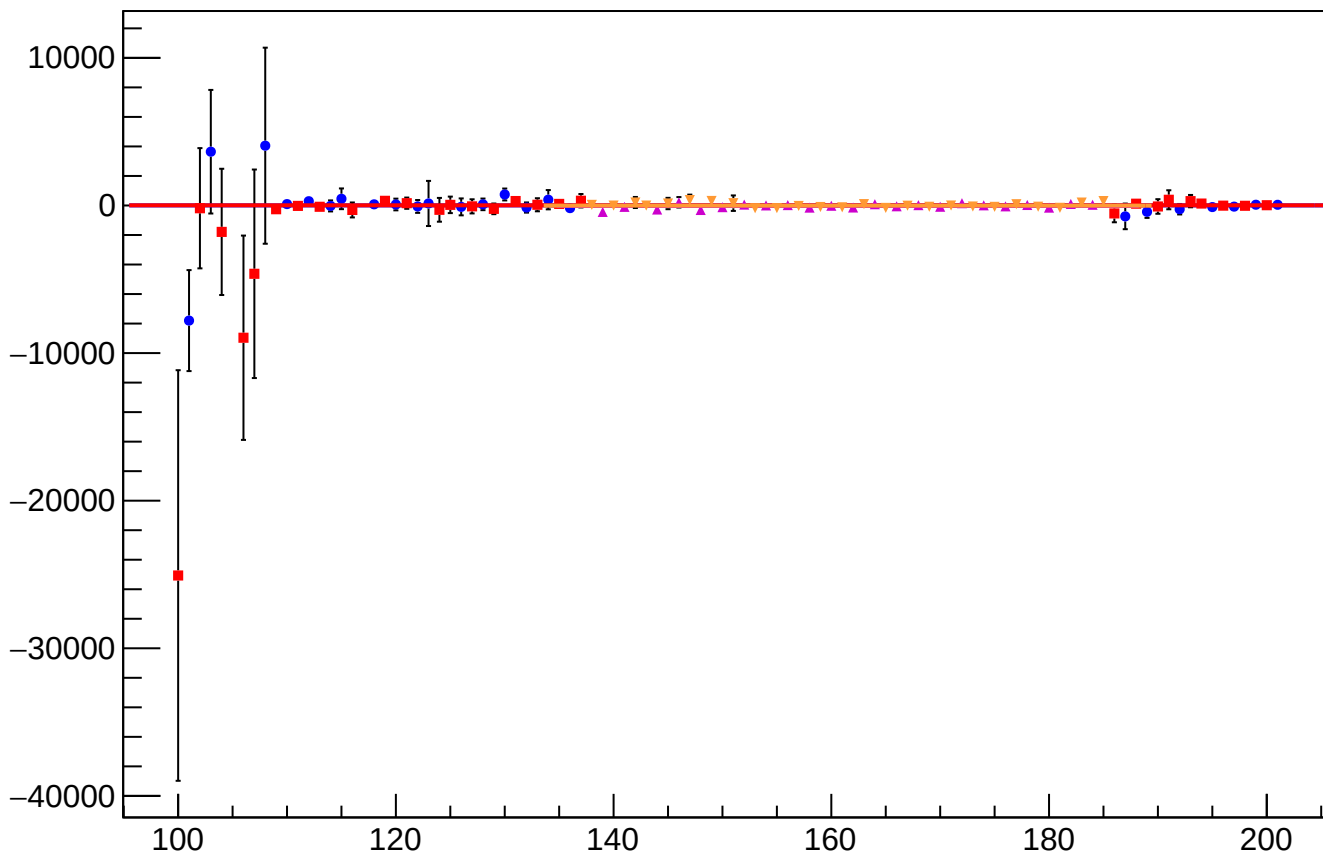
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.289 $\pm$ 0.005 χ^2 /NDF: 3079016.4/48

All: 34.306 $\pm$ 0.003 χ^2 /NDF: 6613664.7/99

- sign 34.323 $\pm$ 0.005 χ^2 /NDF: 3534620.3/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 5.452 ± 58.829 χ^2/NDF : 16.7/23

Left Out: -8.916 ± 48.615 χ^2/NDF : 8.6/24

Right Out: 12.080 ± 57.157 χ^2/NDF : 13.3/27

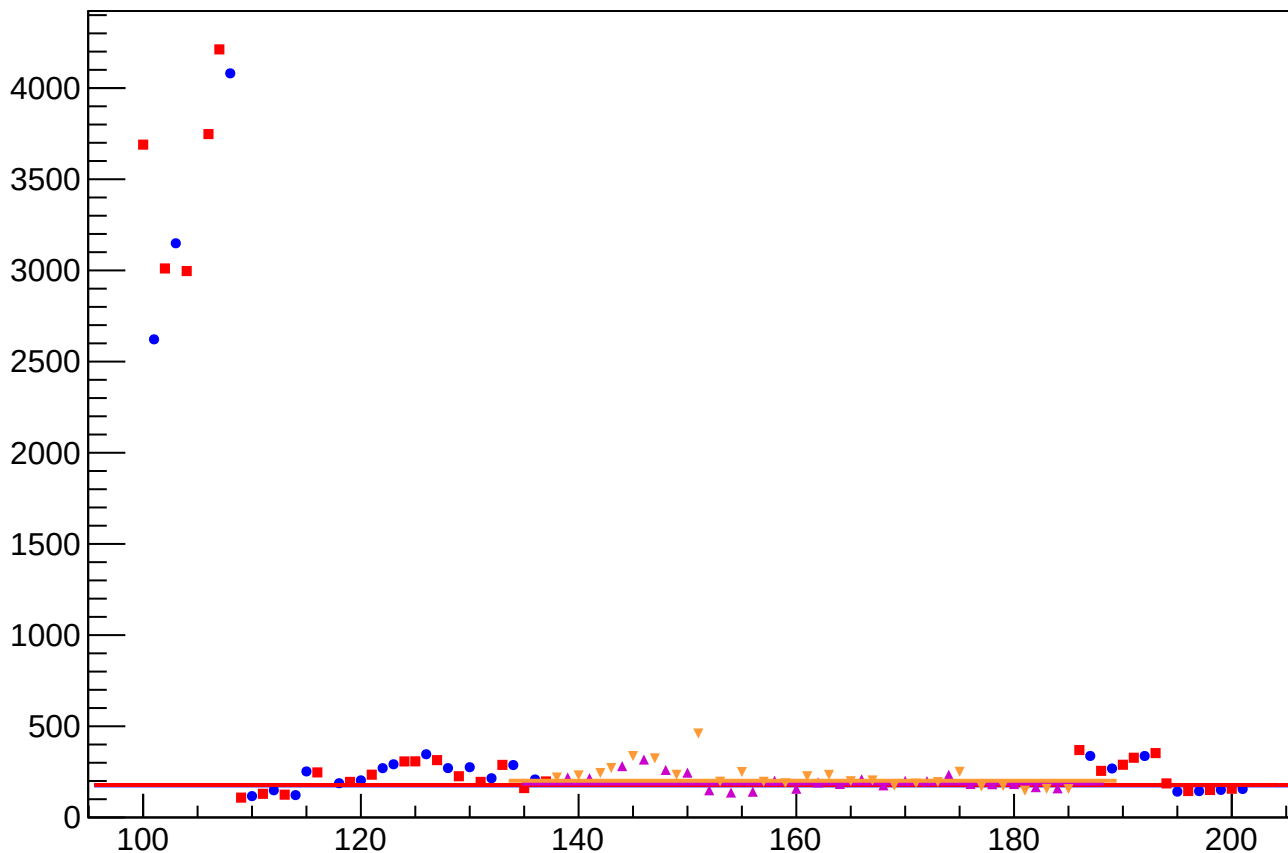
Left In: -34.127 ± 46.296 χ^2/NDF : 7.4/22

+ sign -3.086 ± 37.475 χ^2/NDF : 25.3/48

All: -9.714 ± 25.952 χ^2/NDF : 46.5/99

- sign -15.822 ± 35.976 χ^2/NDF : 21.1/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.828 $\pm$ 0.042 χ^2 /NDF: 4472570.5/23

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 178.087 $\pm$ 0.040 χ^2 /NDF: 5304412.2/27

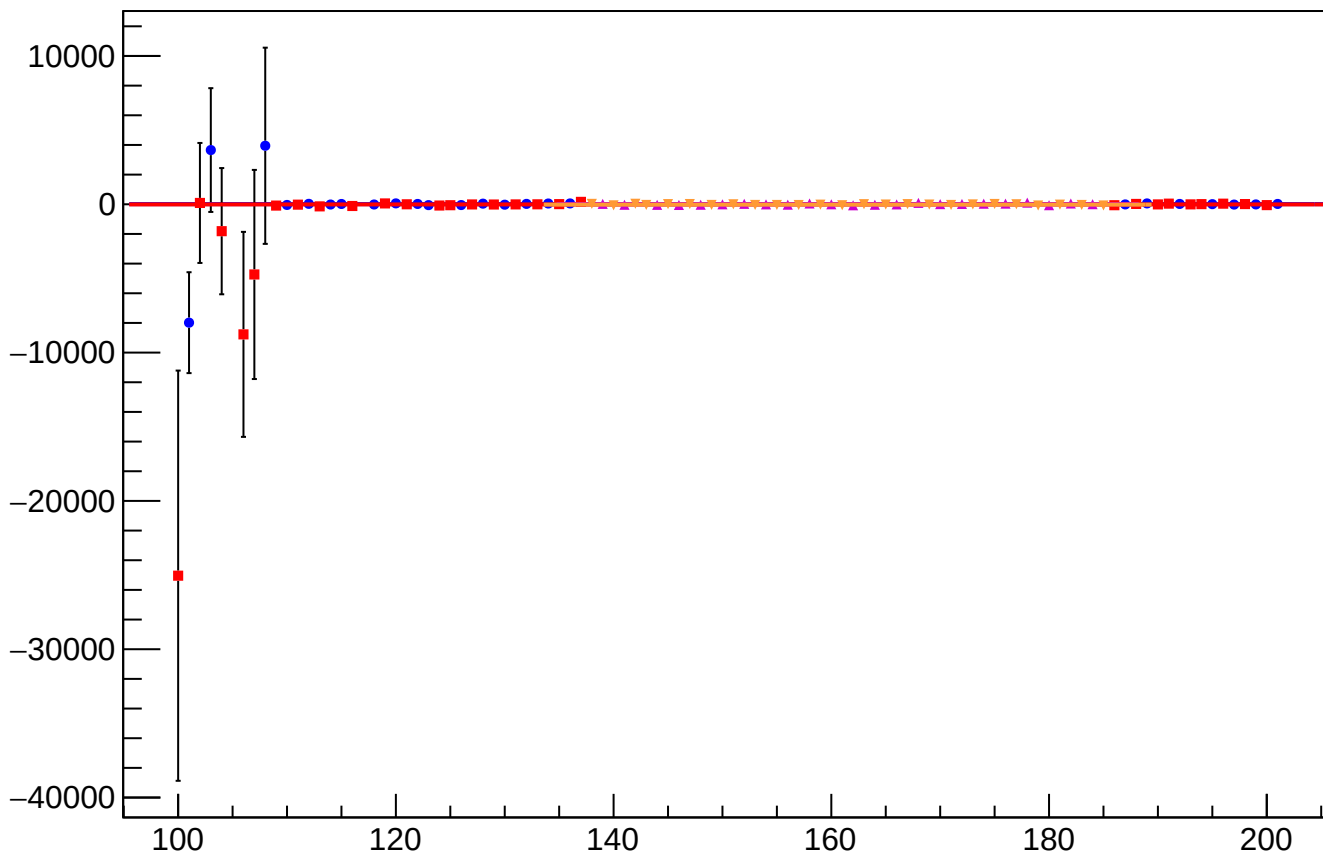
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 190.962 $\pm$ 0.026 χ^2 /NDF: 6546441.2/48

All: 186.702 $\pm$ 0.018 χ^2 /NDF: 13304574.3/99

- sign 182.777 $\pm$ 0.025 χ^2 /NDF: 6708484.8/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 11.340+/-9.743 χ^2/NDF : 17.3/23

Left Out: -22.879+/-7.340 χ^2/NDF : 18.8/24

Right Out: -9.475+/-9.247 χ^2/NDF : 36.5/27

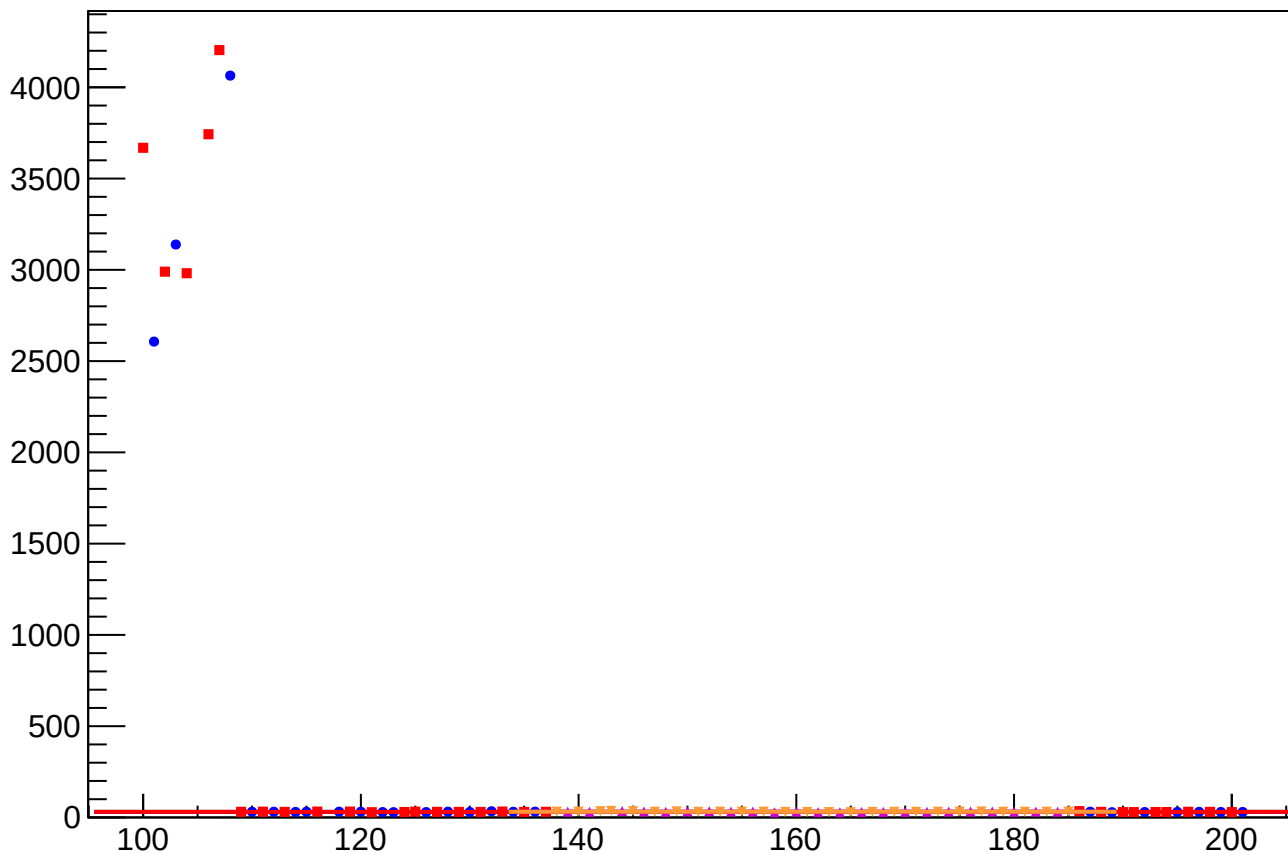
Left In: 5.943+/-7.550 χ^2/NDF : 38.3/22

+ sign -10.488+/-5.862 χ^2/NDF : 43.9/48

All: -5.343+/-4.140 χ^2/NDF : 122.0/99

- sign -0.224+/-5.848 χ^2/NDF : 76.6/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.562 $\pm$ 0.007 χ^2 /NDF: 3025770.5/23

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.609 $\pm$ 0.007 χ^2 /NDF: 3479599.4/27

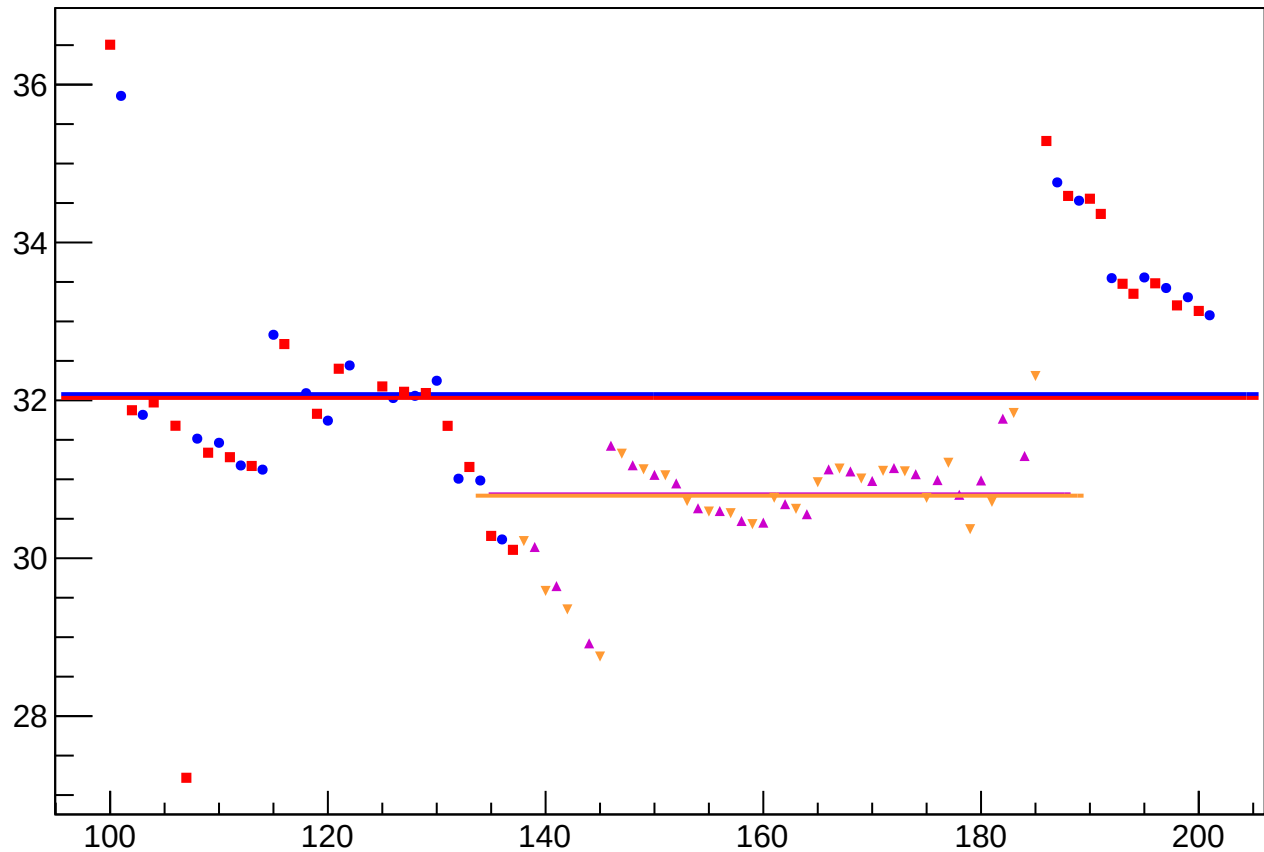
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.149 $\pm$ 0.004 χ^2 /NDF: 3119582.9/48

All: 31.142 $\pm$ 0.003 χ^2 /NDF: 6697914.0/99

- sign 31.134 $\pm$ 0.004 χ^2 /NDF: 3578325.3/50

yield_usl_mean vs Slug



Right In: 32.079+/-0.000 χ^2 /NDF: 2132605215.2/22

Left Out: 30.793+/-0.000 χ^2 /NDF: 1007261340.7/23

Right Out: 32.031+/-0.000 χ^2 /NDF: 1986782092.8/26

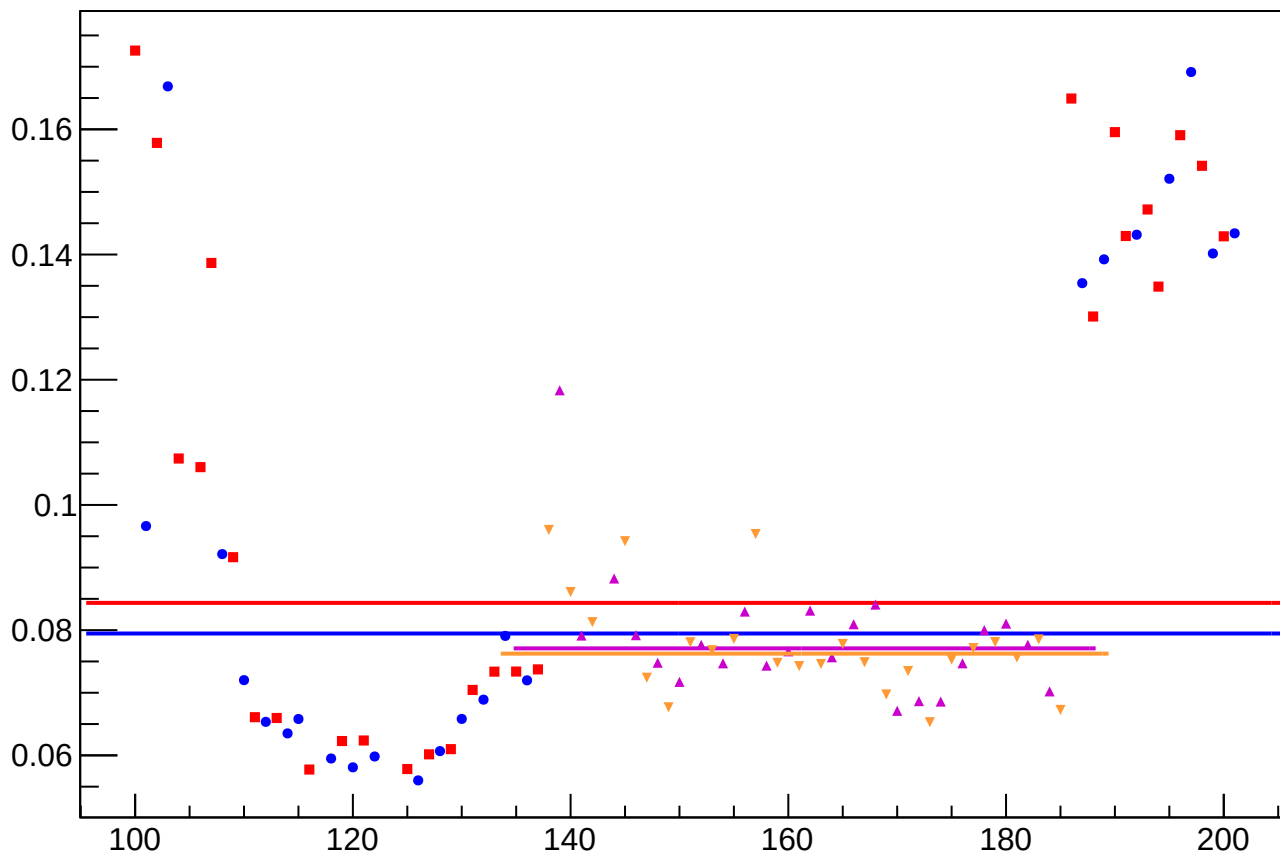
Left In: 30.809+/-0.000 χ^2 /NDF: 821961762.3/22

+ sign 31.237+/-0.000 χ^2 /NDF: 4716389653.8/46

All: 31.239+/-0.000 χ^2 /NDF: 8933276079.1/9

- sign 31.241+/-0.000 χ^2 /NDF: 4216843876.5/49

yield_usl_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF : 2898424.5/22

Left Out: 0.076+/-0.000 χ^2/NDF : 277876.5/23

Right Out: 0.084+/-0.000 χ^2/NDF : 3342731.9/26

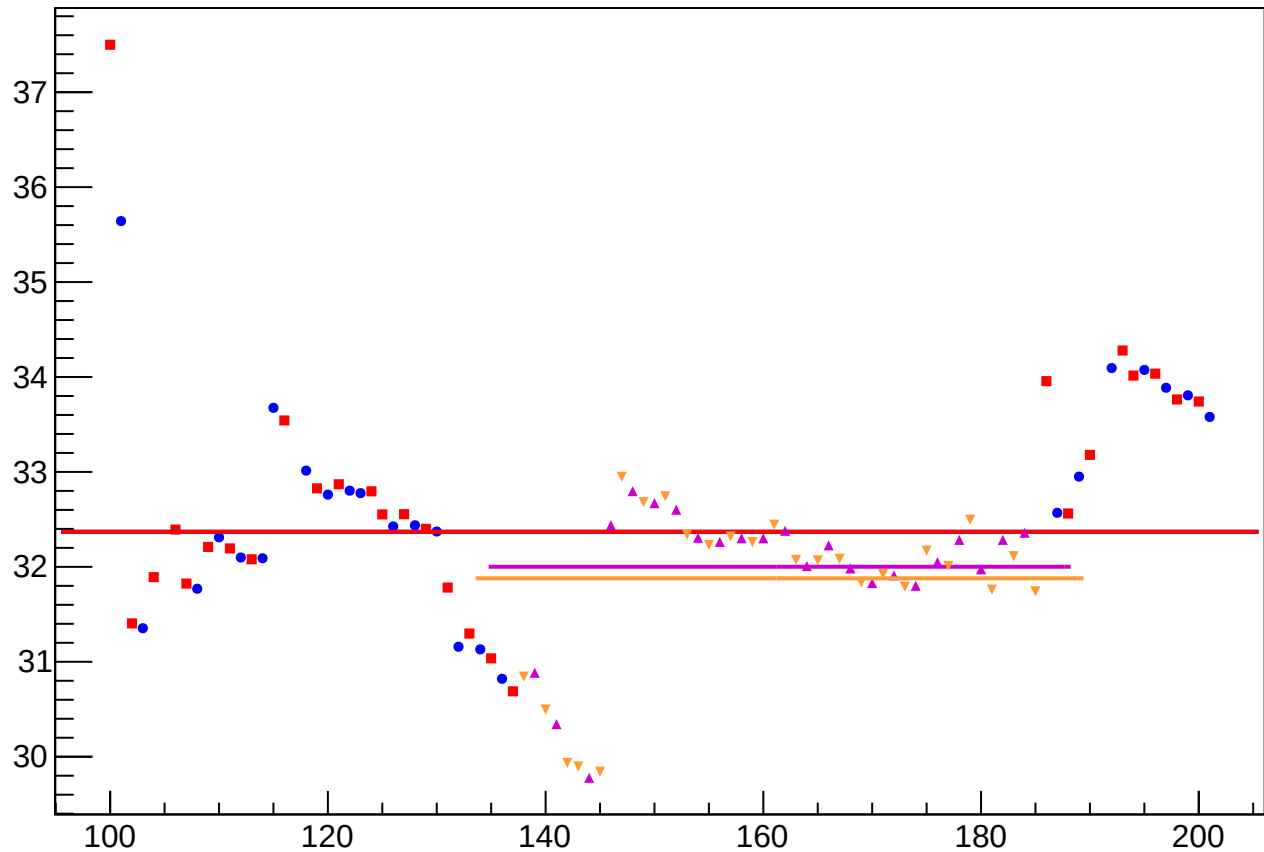
Left In: 0.077+/-0.000 χ^2/NDF : 325844.3/22

+ sign 0.077+/-0.000 χ^2/NDF : 3196019.9/46

All: 0.078+/-0.000 χ^2/NDF : 6986211.5/96

- sign 0.080+/-0.000 χ^2/NDF : 3768121.3/49

yield_usr_mean vs Slug



Right In: 32.370+/-0.000 χ^2/NDF : 1228844603.9/23

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.369+/-0.000 χ^2/NDF : 734887999.8/26

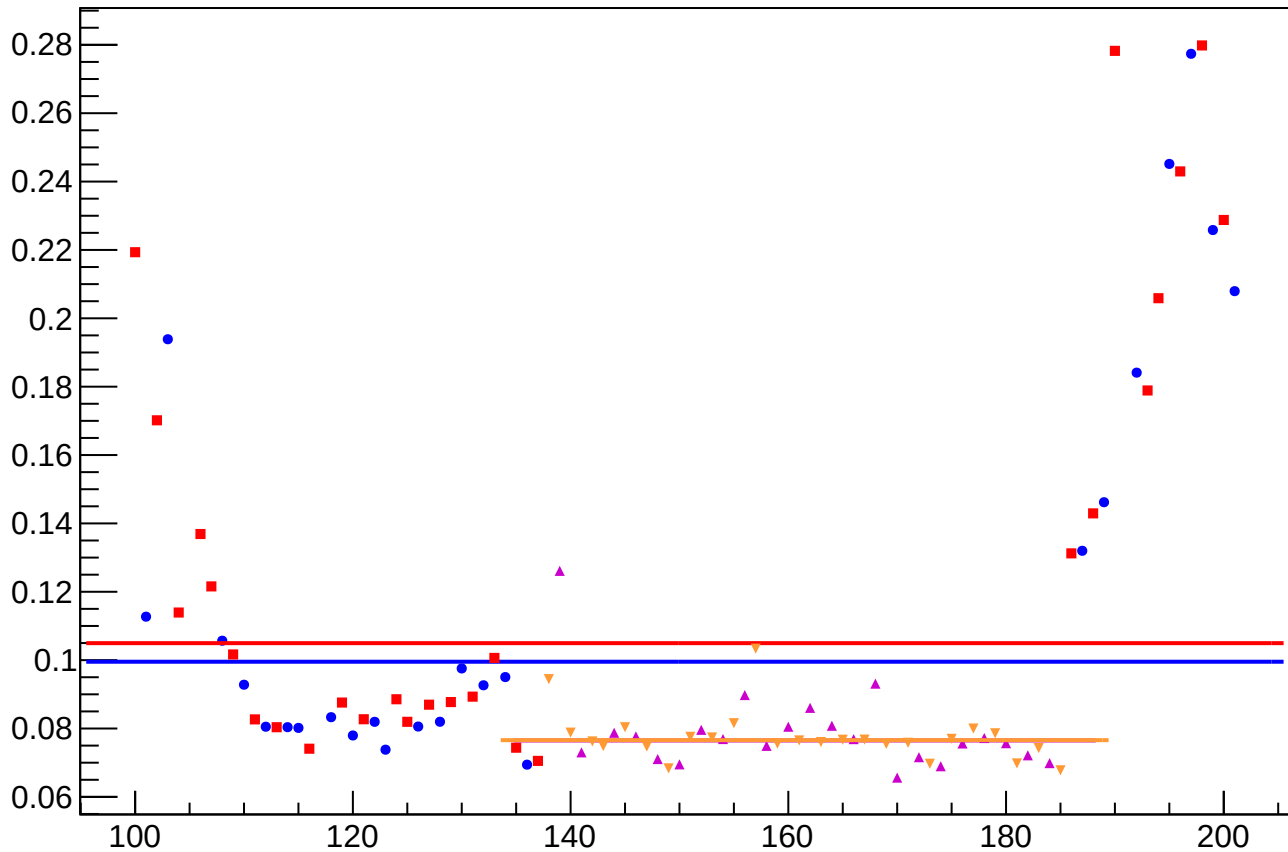
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 31.995+/-0.000 χ^2/NDF : 3369199685.7/48

All: 32.043+/-0.000 χ^2/NDF : 5625082654.5/50

- sign 32.093+/-0.000 χ^2/NDF : 2238285077.4/49

yield_usr_rms vs Slug



Right In: 0.100 $\pm$ 0.000 χ^2 /NDF: 3384911.6/23

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 209648.5/24

Right Out: 0.105 $\pm$ 0.000 χ^2 /NDF: 3507786.8/26

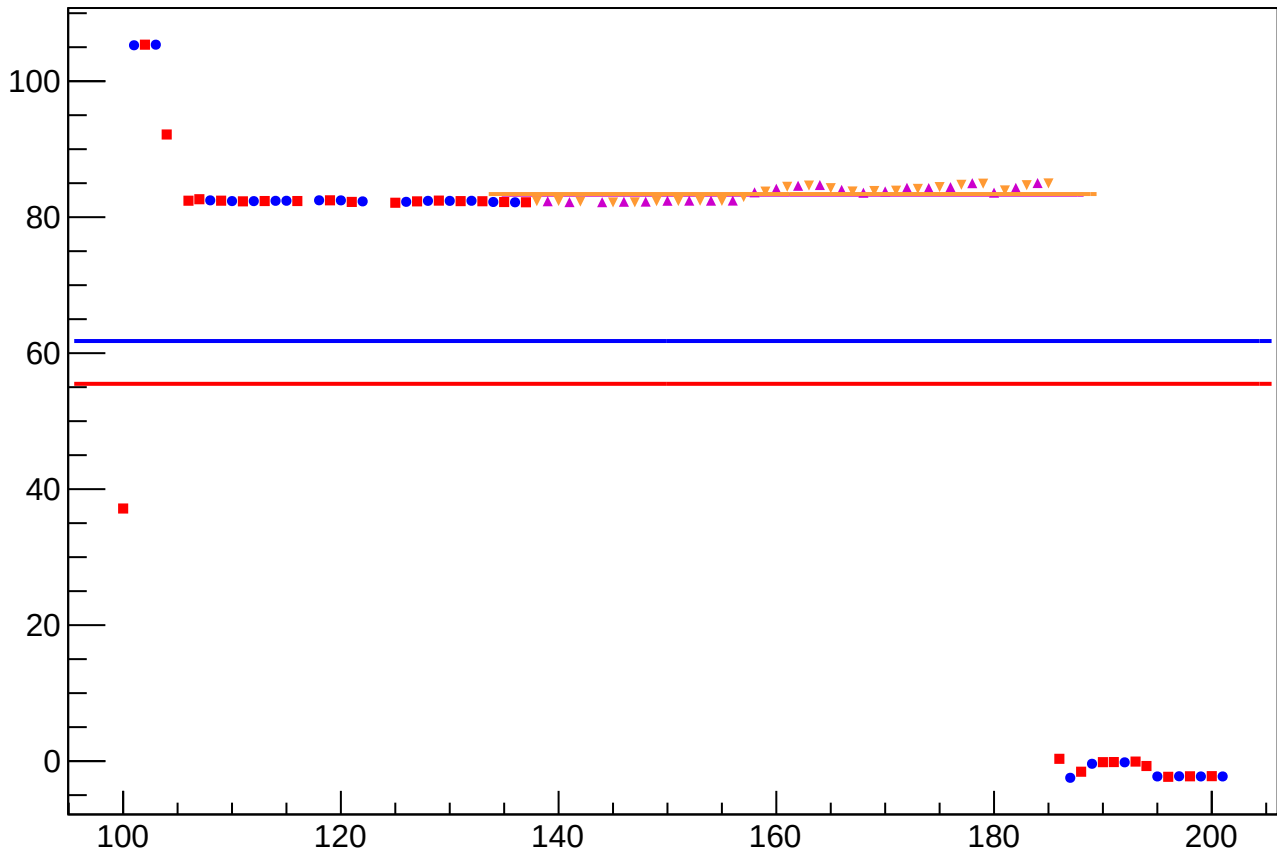
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF: 432563.3/22

+ sign 0.082 $\pm$ 0.000 χ^2 /NDF: 4311686.8/48

All: 0.083 $\pm$ 0.000 χ^2 /NDF: 9368423.1/98

- sign 0.084 $\pm$ 0.000 χ^2 /NDF: 5047765.4/49

yield_dsl_mean vs Slug



Right In: 61.785+/-0.000 χ^2/NDF : 8457236306293.3/22

Left Out: 83.402+/-0.000 χ^2/NDF : 8756634444.3/23

Right Out: 55.491+/-0.000 χ^2/NDF : 10028795306538.5/26

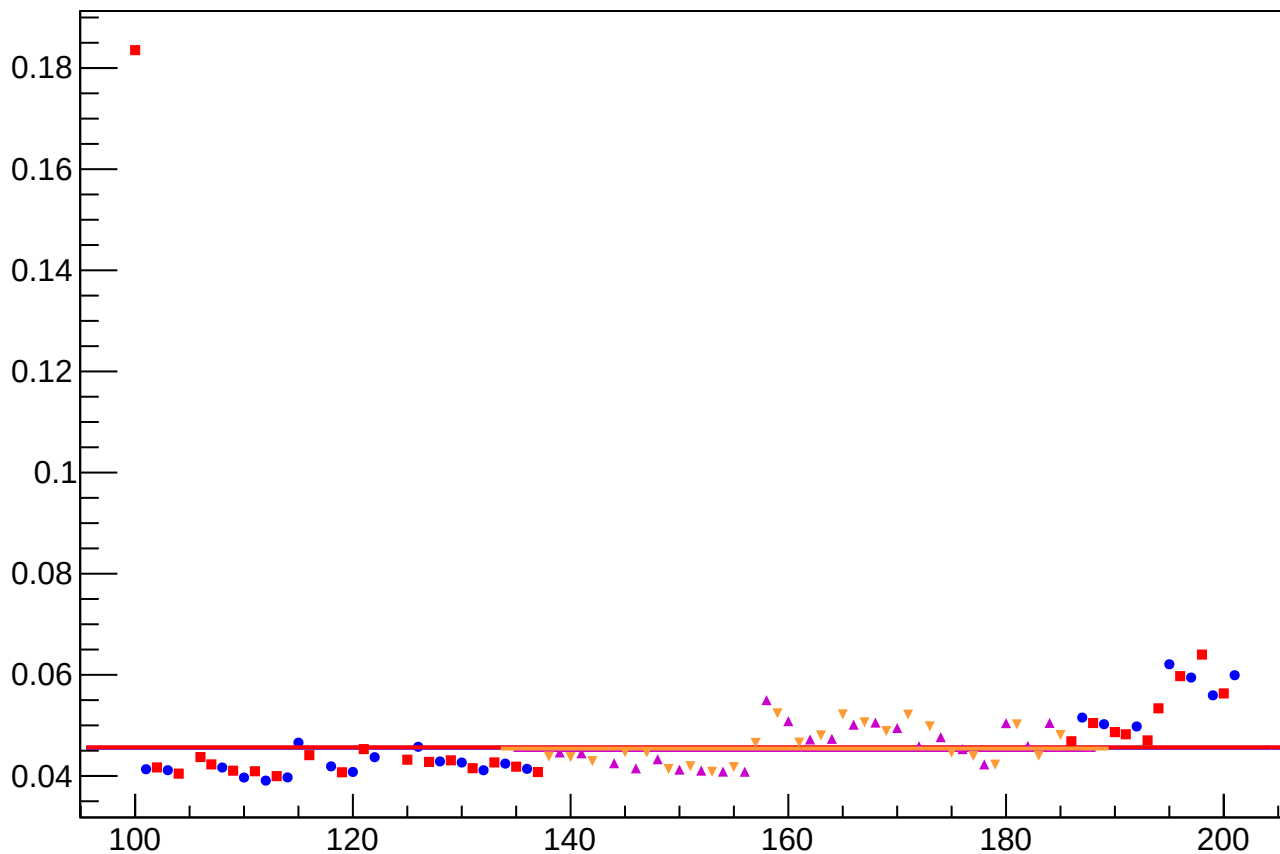
Left In: 83.309+/-0.000 χ^2/NDF : 8421247810.9/22

+ sign 75.044+/-0.000 χ^2/NDF : 9963239616940.2/4

All: 73.352+/-0.000 χ^2/NDF : 2275152829928

- sign 71.747+/-0.000 χ^2/NDF : 12712920926924.3/4

yield_dsl_rms vs Slug



Right In: 0.046 $\pm$ 0.000 χ^2 /NDF: 489293.6/22

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:206685.9/23

Right Out: 0.046 $\pm$ 0.000 χ^2 /NDF: 525301.7/26

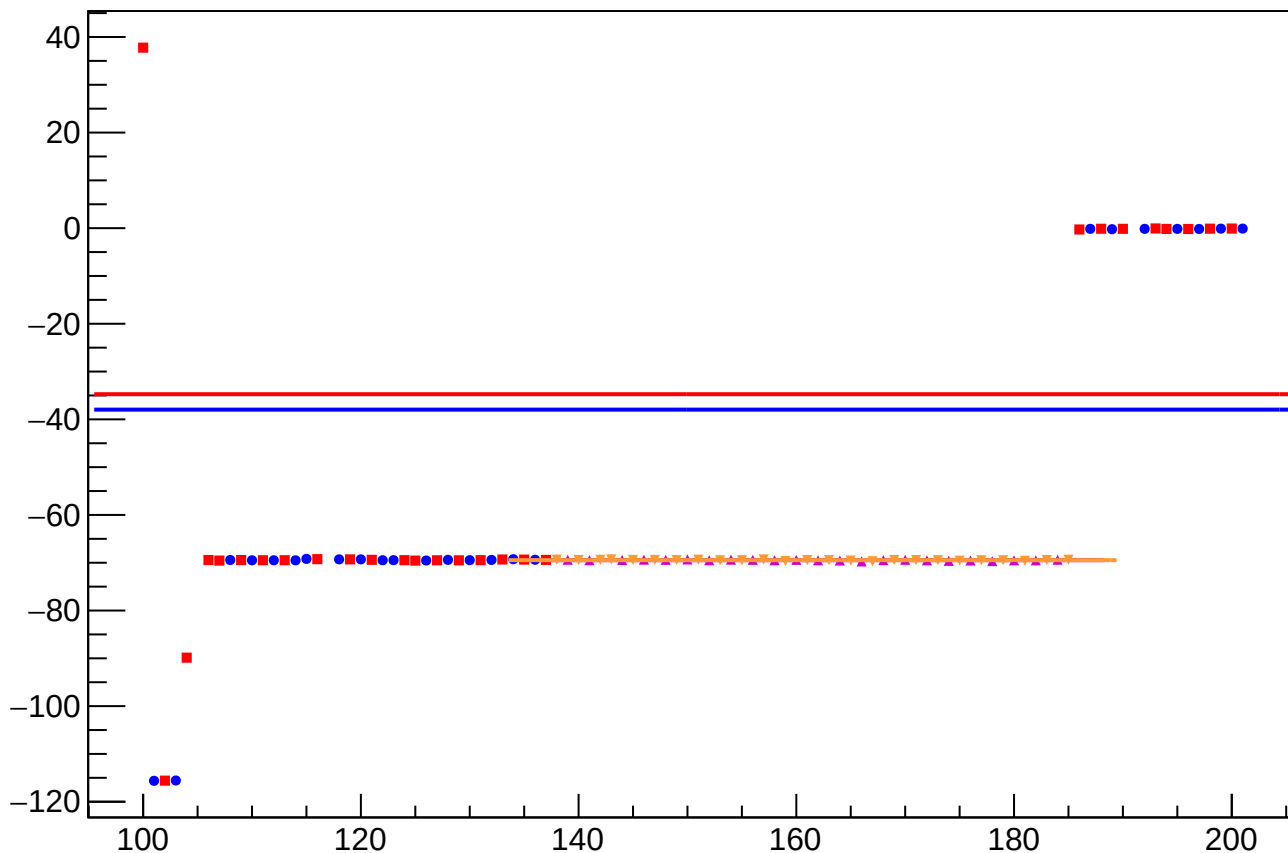
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.045 $\pm$ 0.000 χ^2 /NDF: 696135.4/46

All: 0.045 $\pm$ 0.000 χ^2 /NDF: 1466435.4/96

- sign 0.045 $\pm$ 0.000 χ^2 /NDF: 770059.4/49

yield_dsr_mean vs Slug



Right In: -37.963 ± 0.000 $\chi^2/\text{NDF}: 6313471125396.6/23$

Left Out: -69.461 ± 0.000 $\chi^2/\text{NDF}: 49572401.9/24$

Right Out: -34.738 ± 0.000 $\chi^2/\text{NDF}: 6417167068274.7/26$

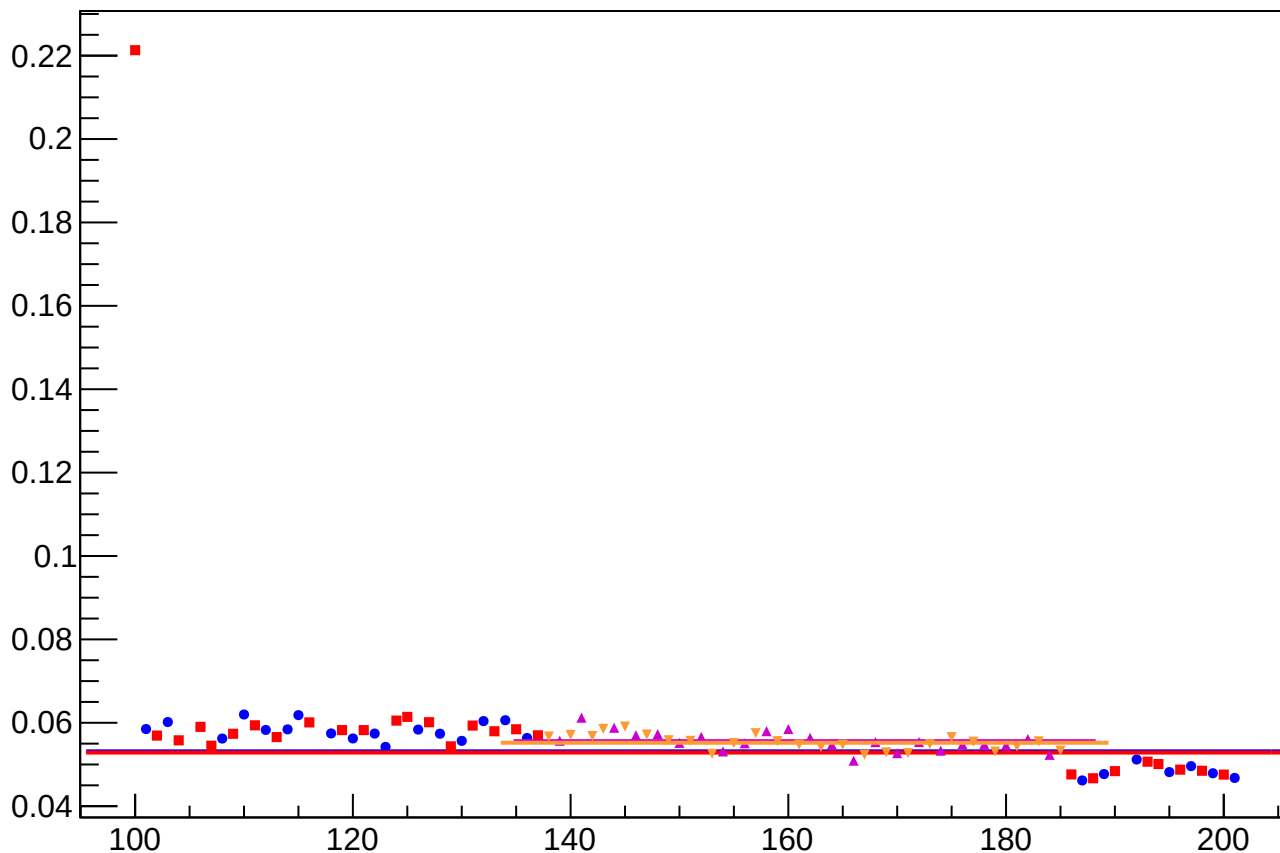
Left In: -69.458 ± 0.000 $\chi^2/\text{NDF}: 52798704.3/22$

+ sign -56.870 ± 0.000 $\chi^2/\text{NDF}: 8625825926982.7/23$

All: -55.413 ± 0.000 $\chi^2/\text{NDF}: 180140792066.7/23$

- sign -53.973 ± 0.000 $\chi^2/\text{NDF}: 9347250904562.1/23$

yield_dsr_rms vs Slug



Right In: 0.053+/-0.000 χ^2/NDF : 195677.2/23

Left Out: 0.055+/-0.000 χ^2/NDF : 38761.8/24

Right Out: 0.053+/-0.000 χ^2/NDF : 287490.2/26

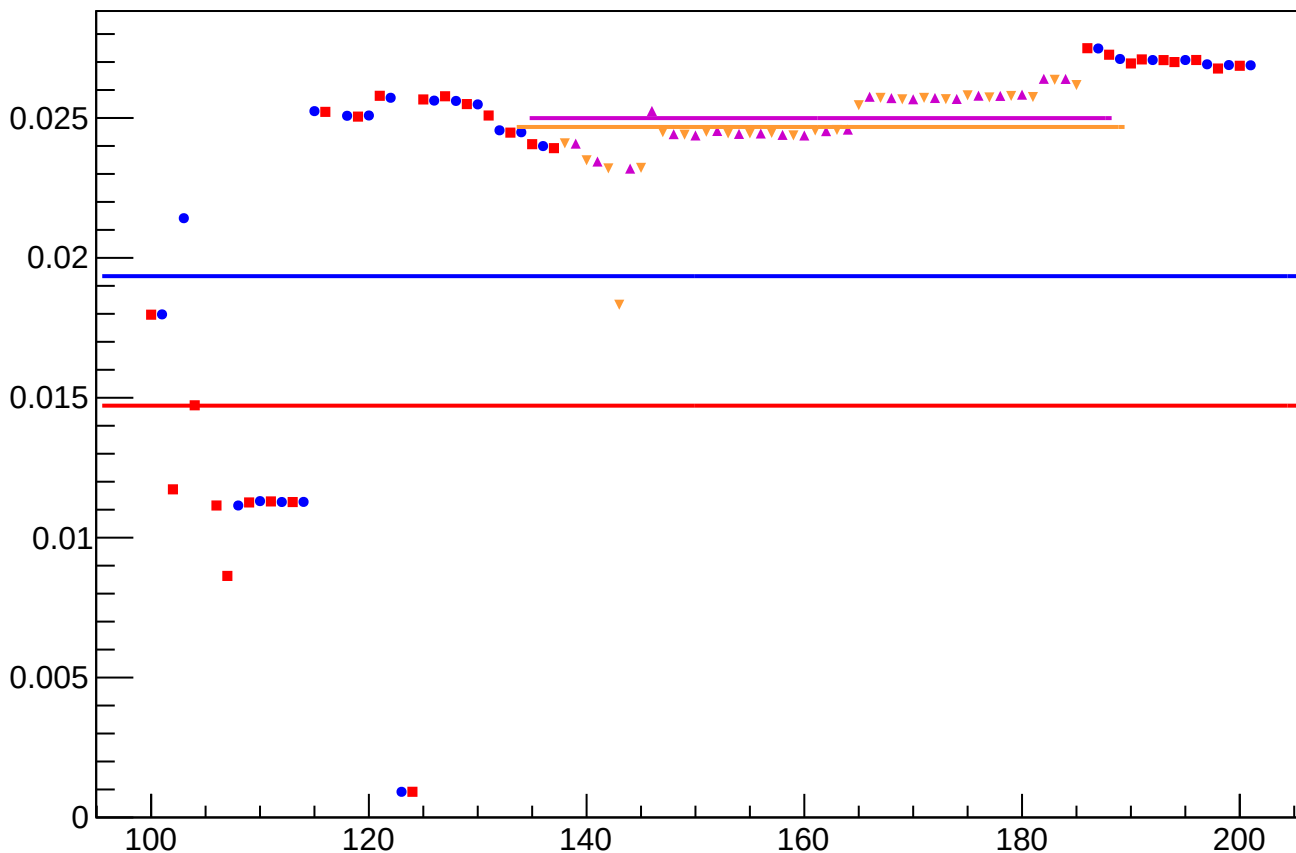
Left In: 0.056+/-0.000 χ^2/NDF : 52190.5/22

+ sign 0.054+/-0.000 χ^2/NDF : 254109.5/48

All: 0.054+/-0.000 χ^2/NDF : 630140.3/98

- sign 0.054+/-0.000 χ^2/NDF : 376028.9/49

yield_atl1_mean vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 167338508109.5/23

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 362319933965.1/27

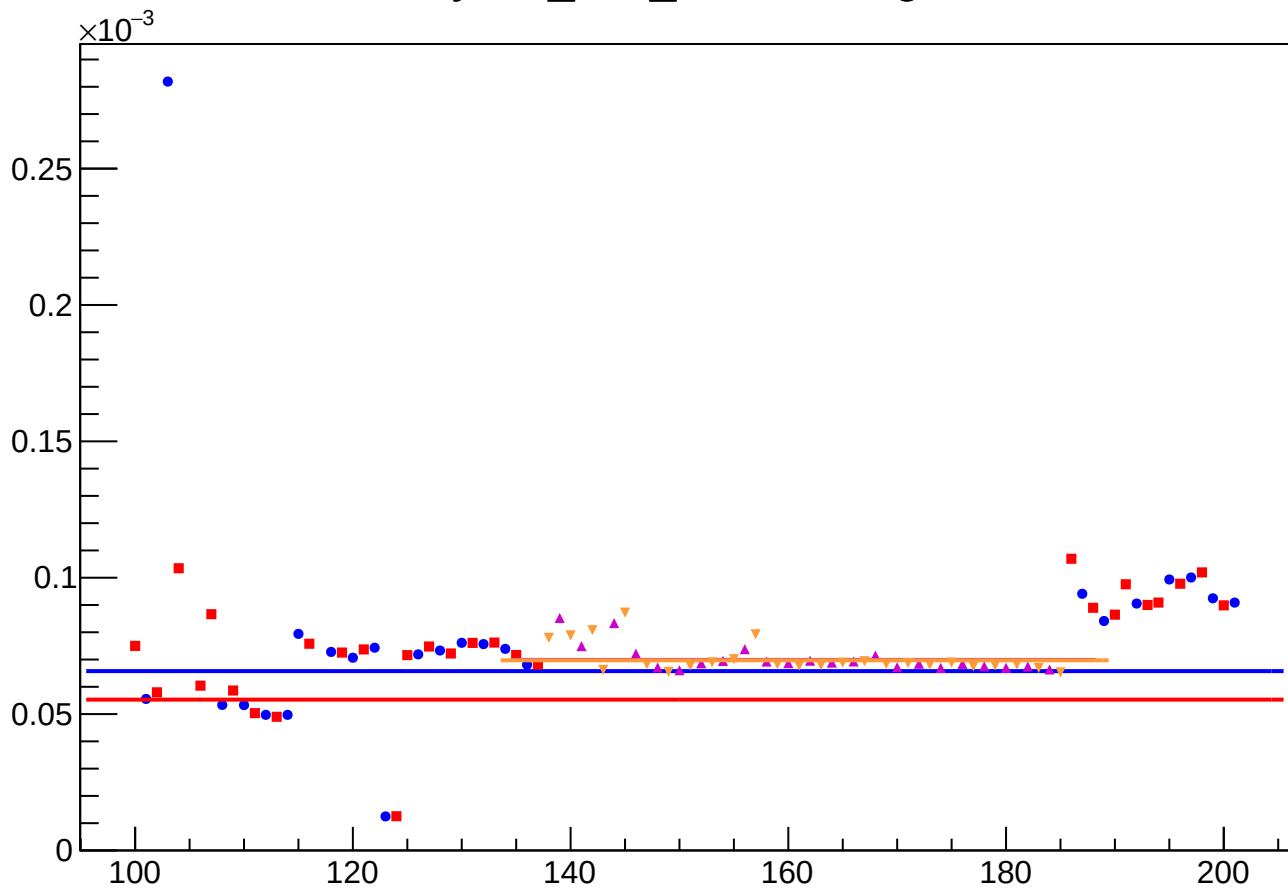
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 216400072386.6/48

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 773078360717.7

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 537629176880.7/50

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3072293.3/23

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6063470.1/27

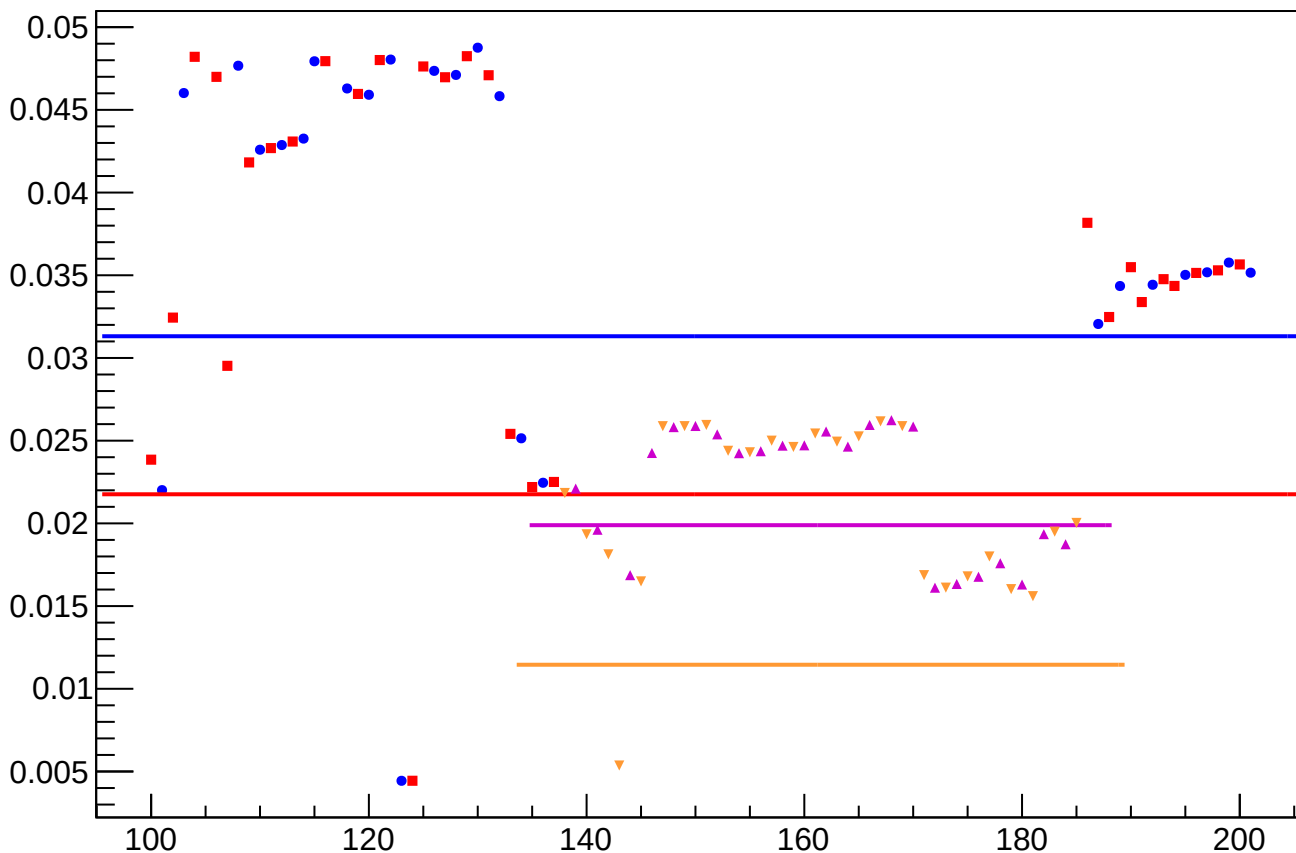
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 3273882.4/48

All: 0.000+/-0.000 χ^2/NDF : 10324957.1/99

- sign 0.000+/-0.000 χ^2/NDF : 6885964.8/50

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21261204173.5/23

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.022+/-0.000 χ^2/NDF : 42830470014.0/27

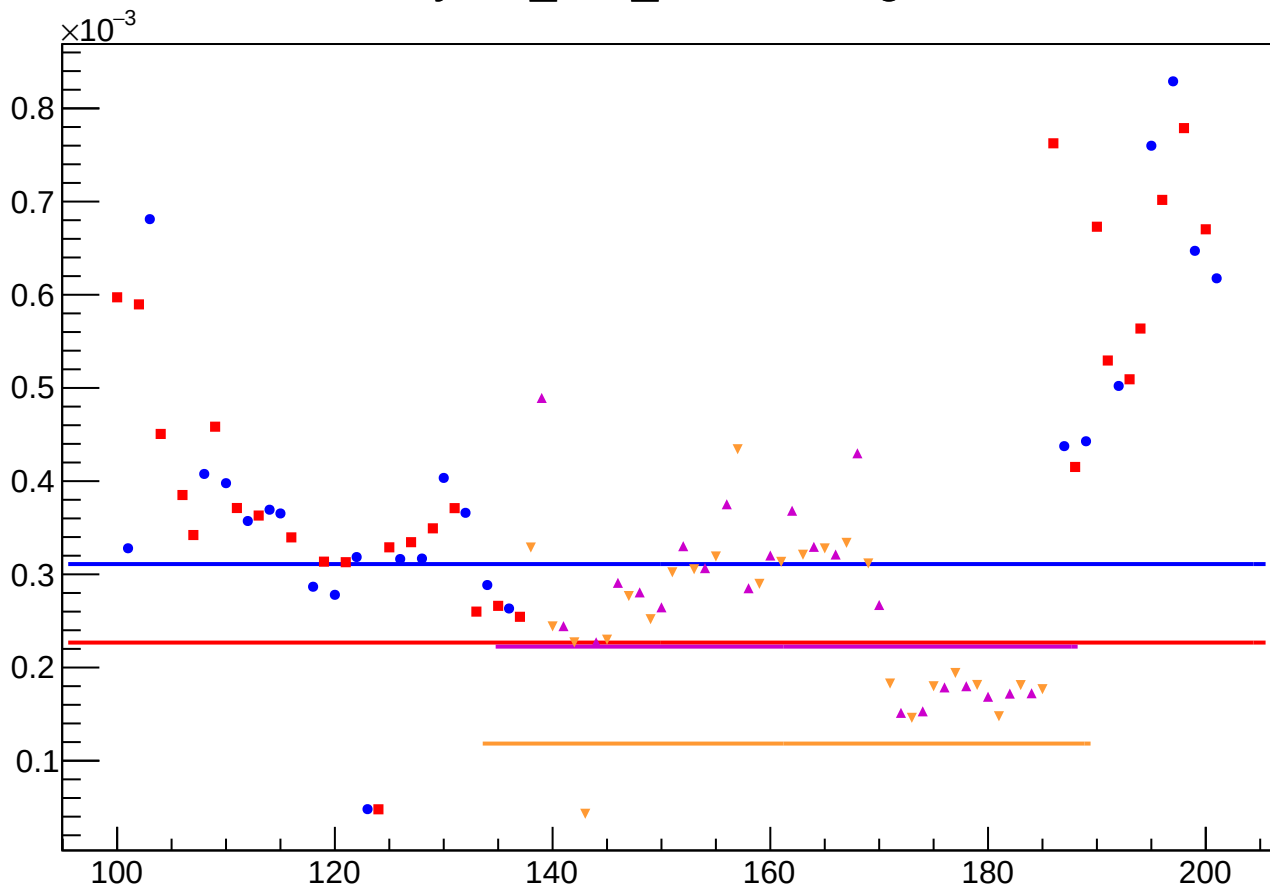
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.014+/-0.000 χ^2/NDF : 90944154948.6/48

All: 0.016+/-0.000 χ^2/NDF : 152007271151.4

- sign 0.020+/-0.000 χ^2/NDF : 47610052910.6/50

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4955074.1/23

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13563132.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10189672.7/27

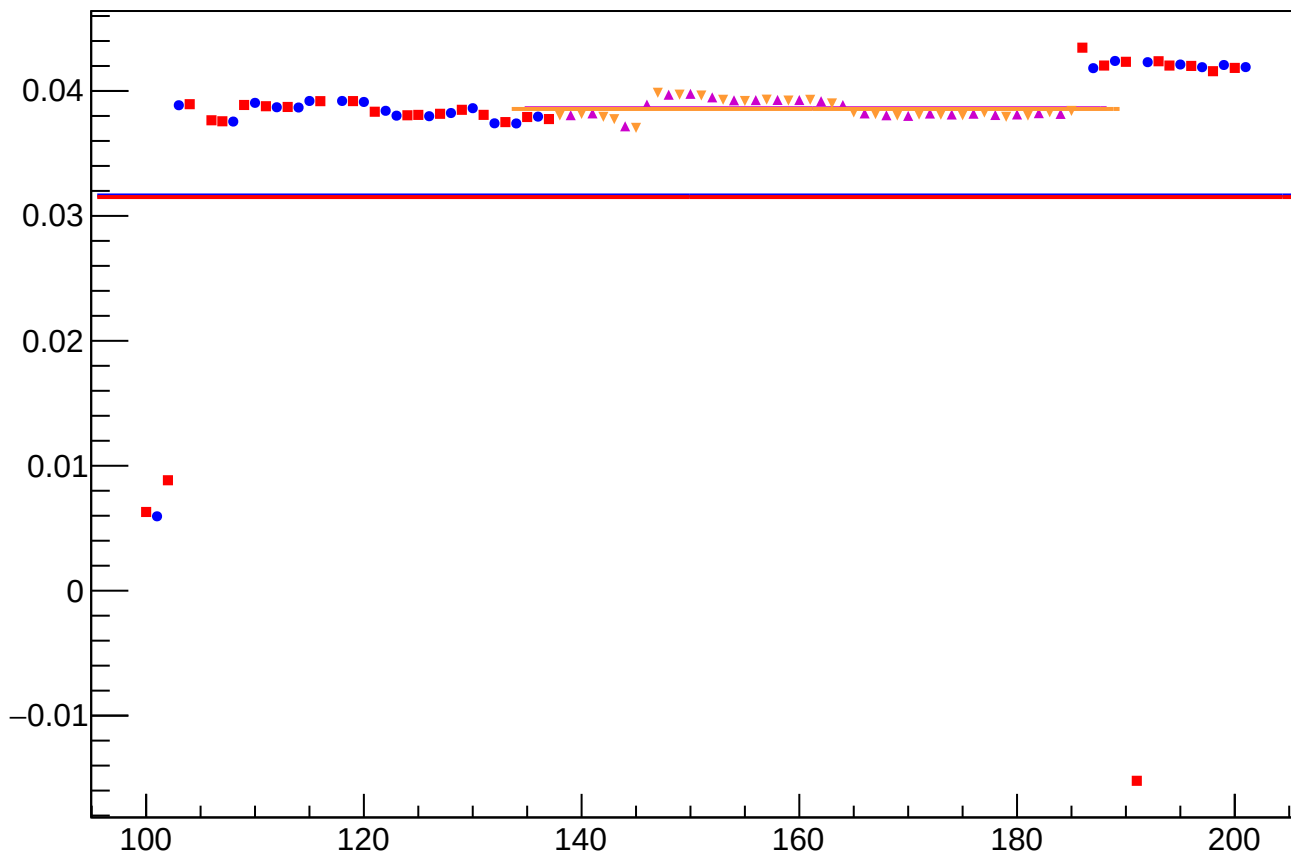
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3281119.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24047343.1/48

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41570798.9/99

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13474266.1/50

yield_atr1_mean vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 107709194469.1/23

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 174408273689.1/27

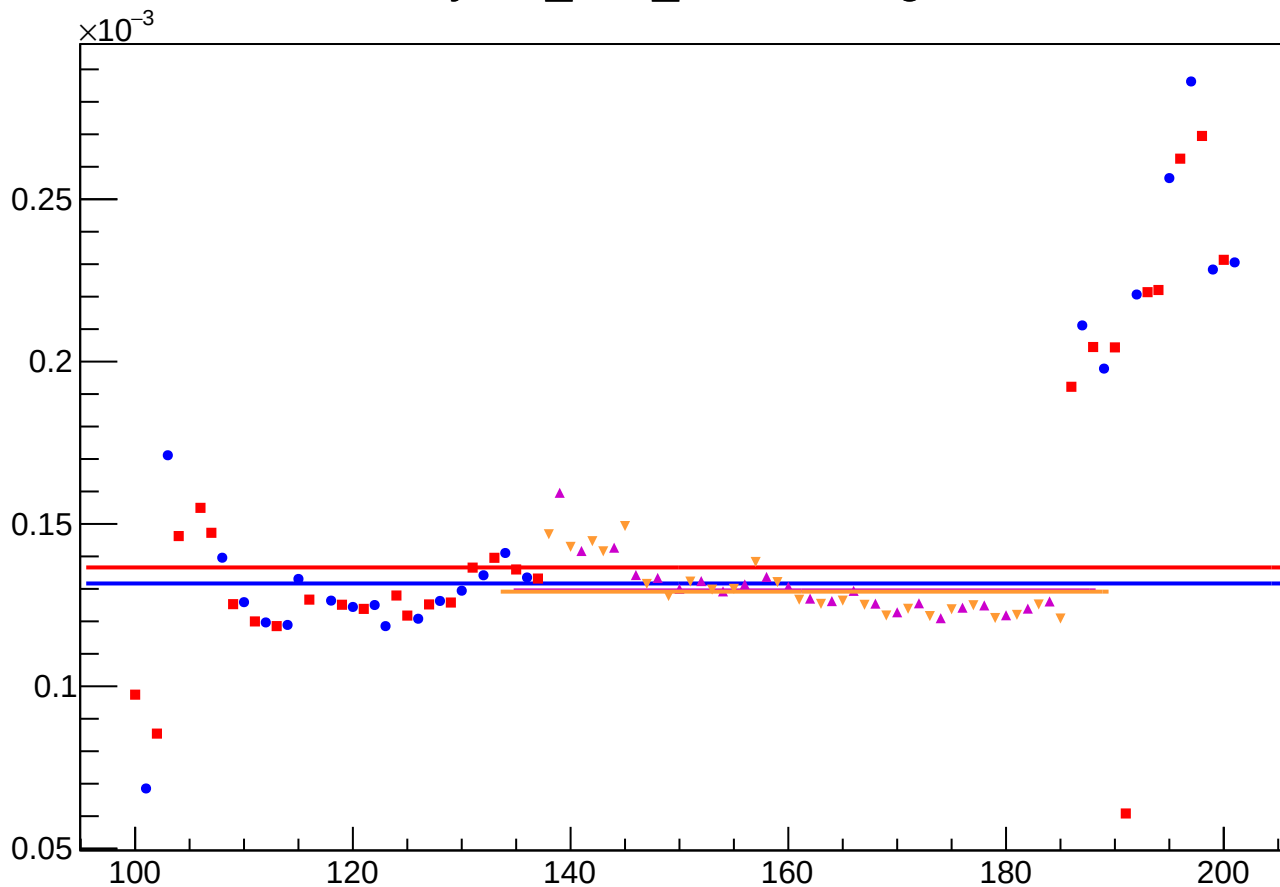
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 125825764958.7/48

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 319642381889.4

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 193782999730.2/50

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2876359.3/23

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2760267.9/27

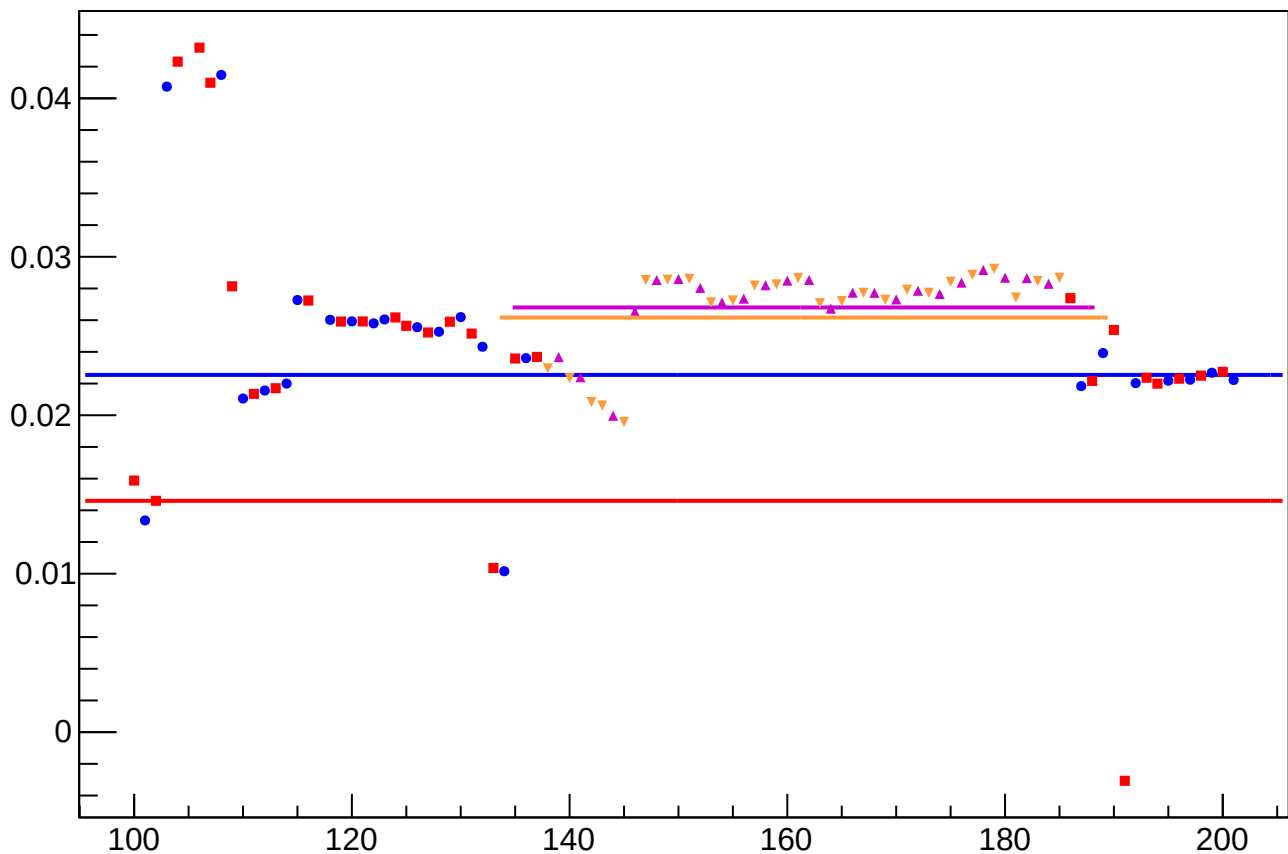
Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 3011323.0/48

All: 0.000+/-0.000 χ^2/NDF : 5931117.7/99

- sign 0.000+/-0.000 χ^2/NDF : 2912473.9/50

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4244420589.7/23

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 30858893088.3/27

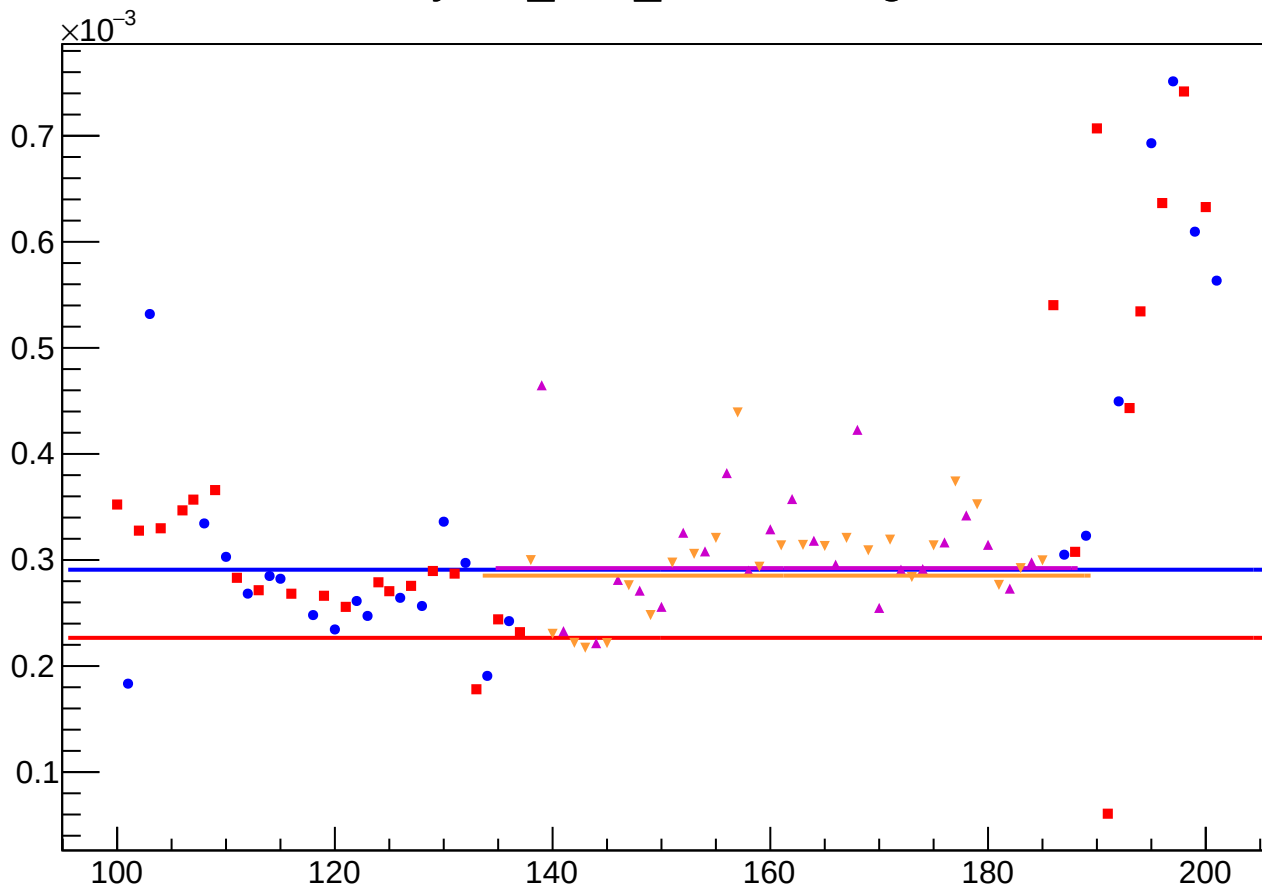
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7213885095.2/48

All: 0.023+/-0.000 χ^2/NDF : 54527030326.2/9

- sign 0.021+/-0.000 χ^2/NDF : 44982989997.9/50

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2953462.1/23

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7241812.1/27

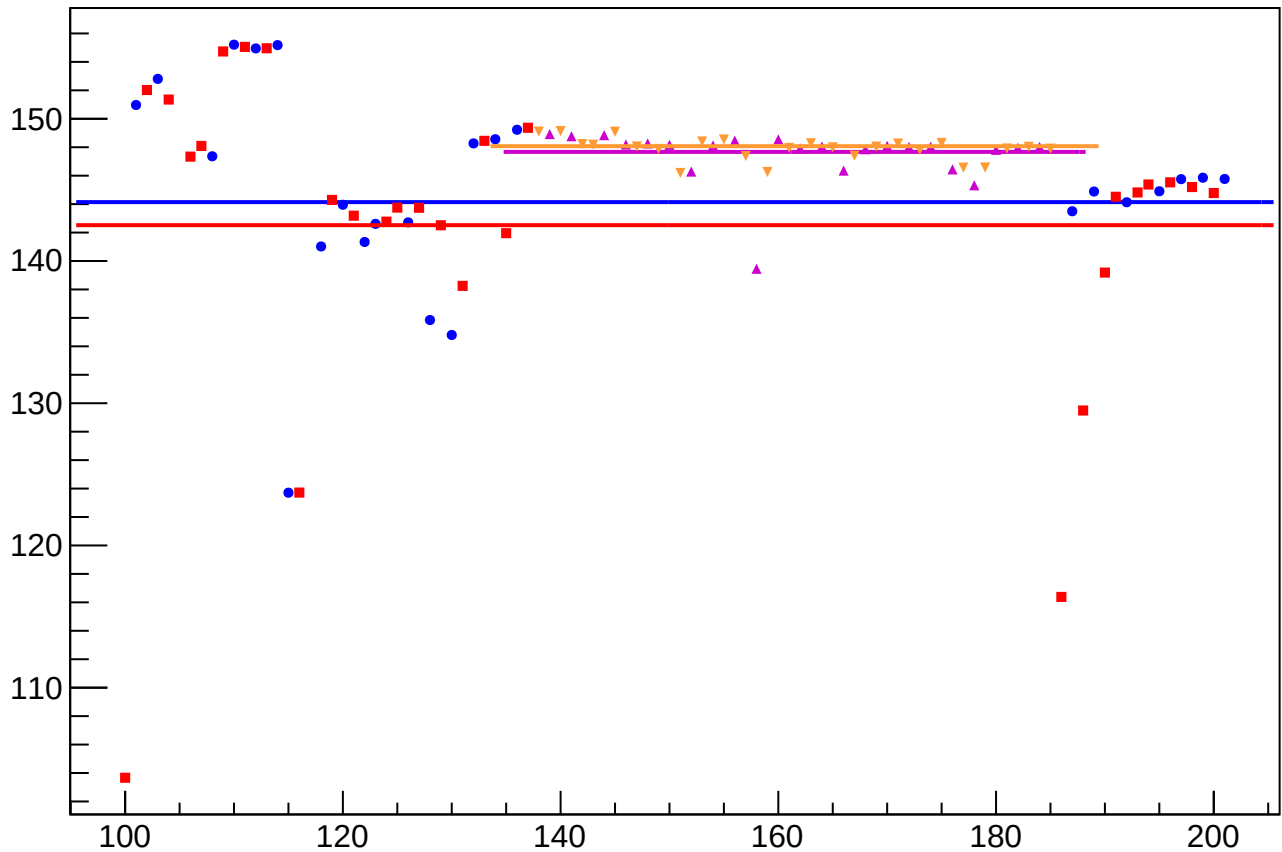
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3771249.4/48

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 12864451.2/99

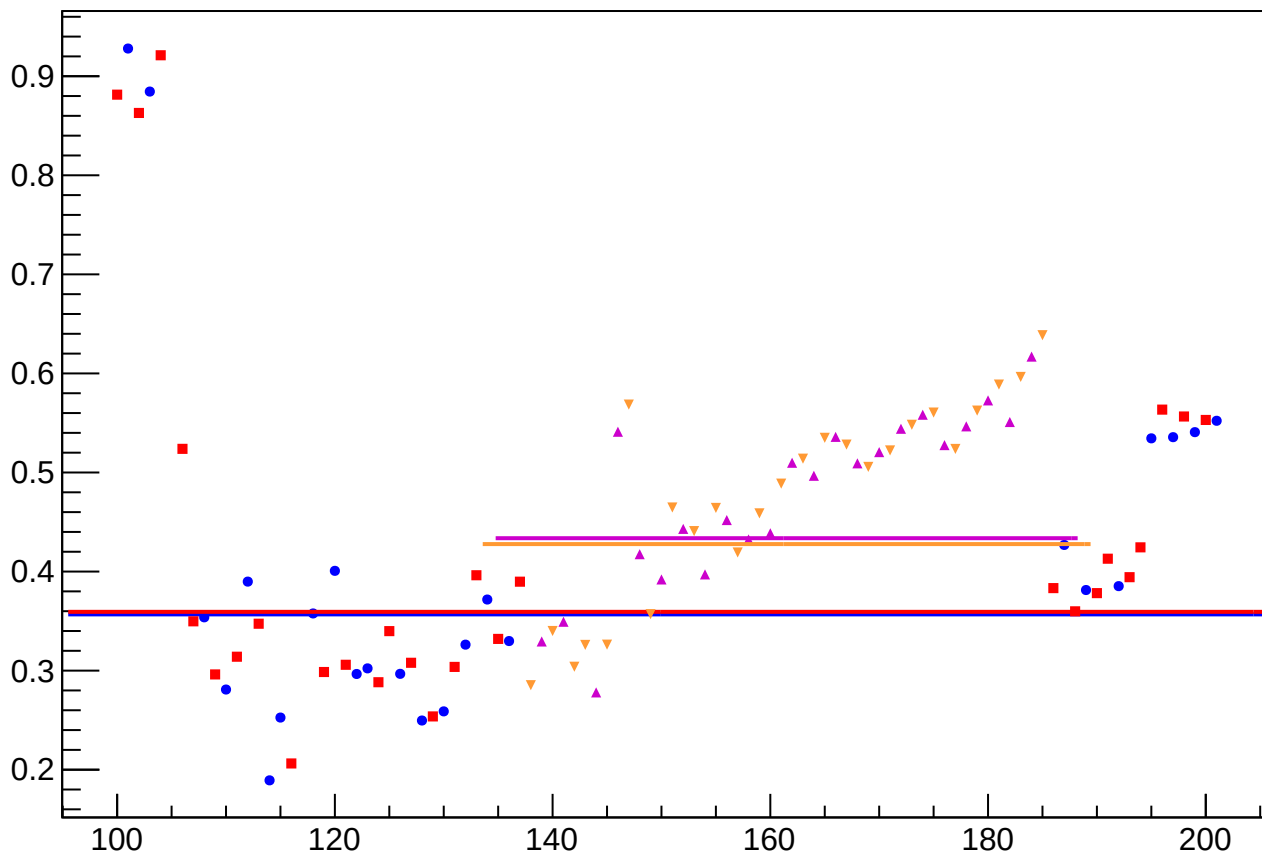
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8882940.9/50

yield_bcm_an_ds_mean vs Slug



Right In: 144.141 $\pm$ 0.000	χ^2 /NDF: 3479655473.3/23	+ sign 146.315 $\pm$ 0.000	χ^2 /NDF: 4186689709.2/48
Left Out: 148.073 $\pm$ 0.000	χ^2 /NDF: 65614067.4/24	All: 145.700 $\pm$ 0.000	χ^2 /NDF: 13167591672.
Right Out: 142.519 $\pm$ 0.000	χ^2 /NDF: 7365883090.5/27	- sign 145.101 $\pm$ 0.000	χ^2 /NDF: 8855543200.3/50
Left In: 147.670 $\pm$ 0.000	χ^2 /NDF: 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.357 $\pm$ 0.000 χ^2 /NDF: 2163418.7/23

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1896808.7/24

Right Out: 0.359 $\pm$ 0.000 χ^2 /NDF: 2036074.3/27

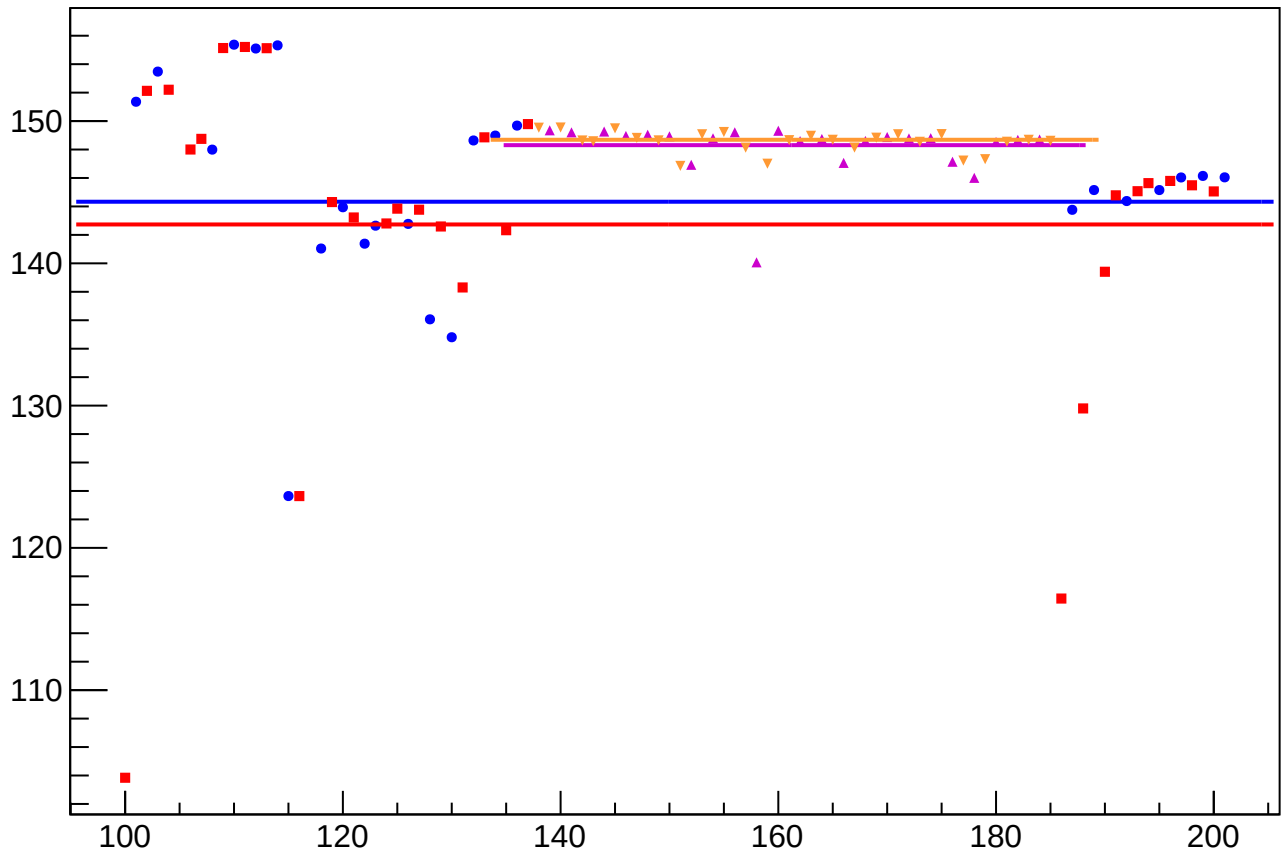
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.396 $\pm$ 0.000 χ^2 /NDF: 4478058.3/48

All: 0.396 $\pm$ 0.000 χ^2 /NDF: 8486878.7/99

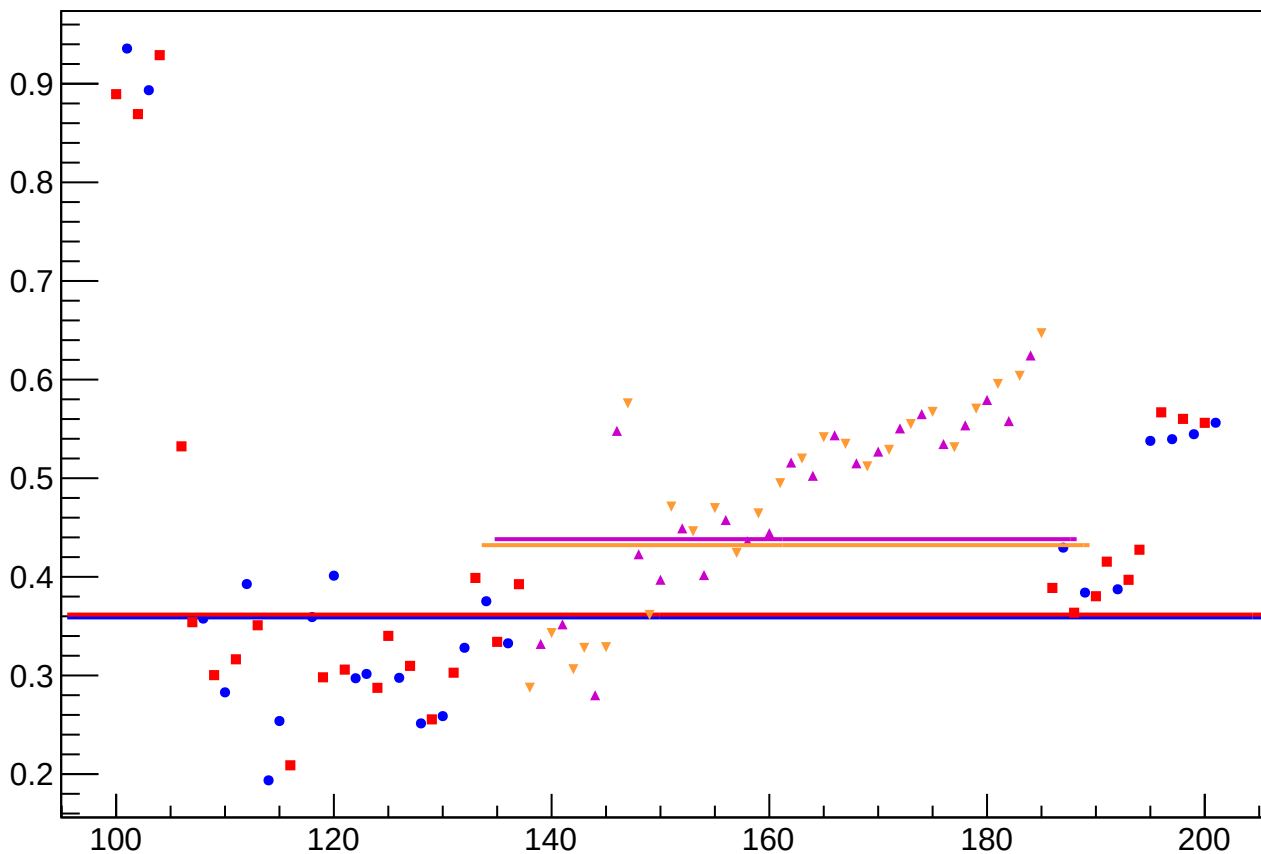
- sign 0.397 $\pm$ 0.000 χ^2 /NDF: 4008758.9/50

yield_bcm_an_ds3_mean vs Slug



Right In: 144.331+/-0.000	χ^2/NDF : 3527473916.7/23	+ sign 146.728+/-0.000	χ^2/NDF : 4354217820.5/48
Left Out: 148.686+/-0.000	χ^2/NDF : 52218185.1/24	All: 146.114+/-0.000	χ^2/NDF : 13440167488.
Right Out: 142.733+/-0.000	χ^2/NDF : 7312574166.8/27	- sign 145.516+/-0.000	χ^2/NDF : 8962946954.2/50
Left In: 148.307+/-0.000	χ^2/NDF : 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.359 $\pm$ 0.000 χ^2 /NDF: 2168836.8/23

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1929031.5/24

Right Out: 0.362 $\pm$ 0.000 χ^2 /NDF: 2039906.7/27

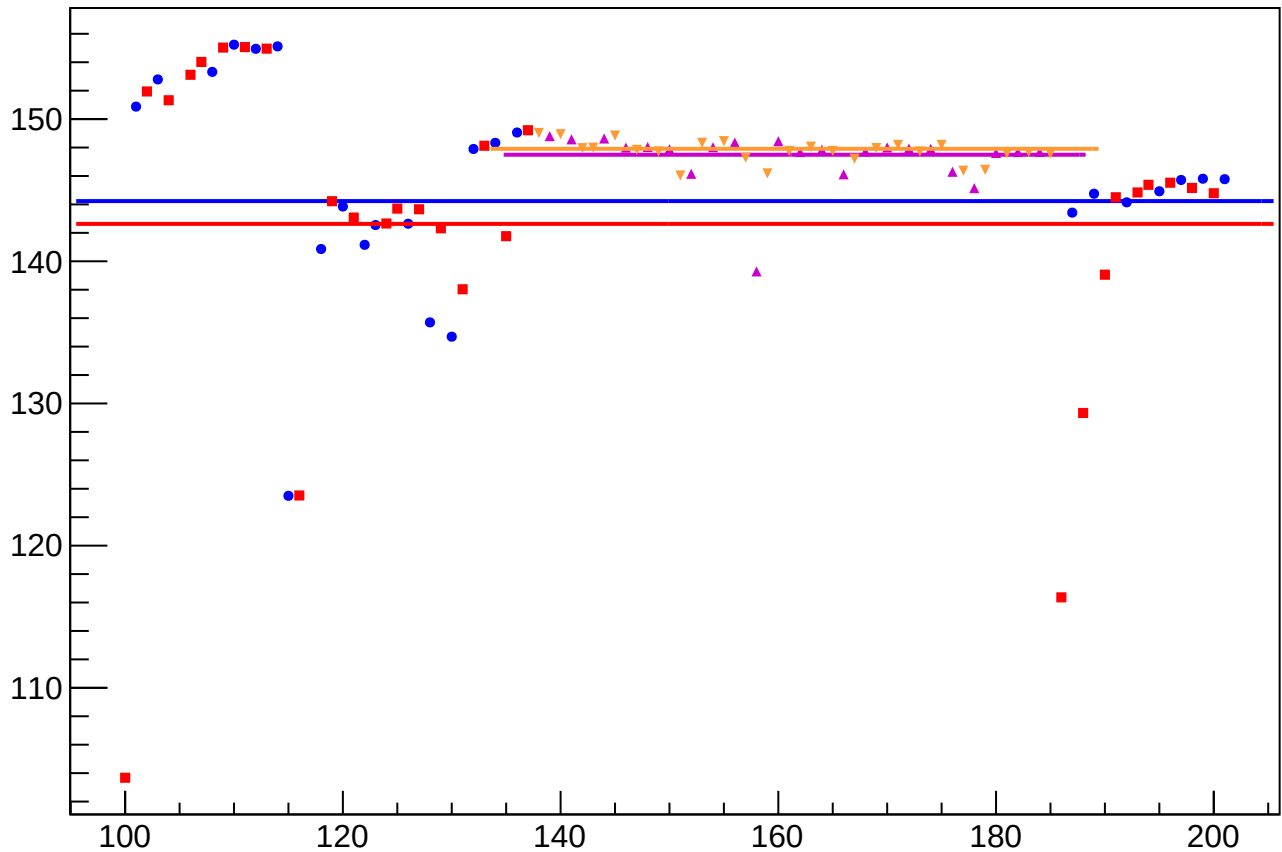
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.399 $\pm$ 0.000 χ^2 /NDF: 4536085.4/48

All: 0.400 $\pm$ 0.000 χ^2 /NDF: 8593509.2/99

- sign 0.400 $\pm$ 0.000 χ^2 /NDF: 4057338.2/50

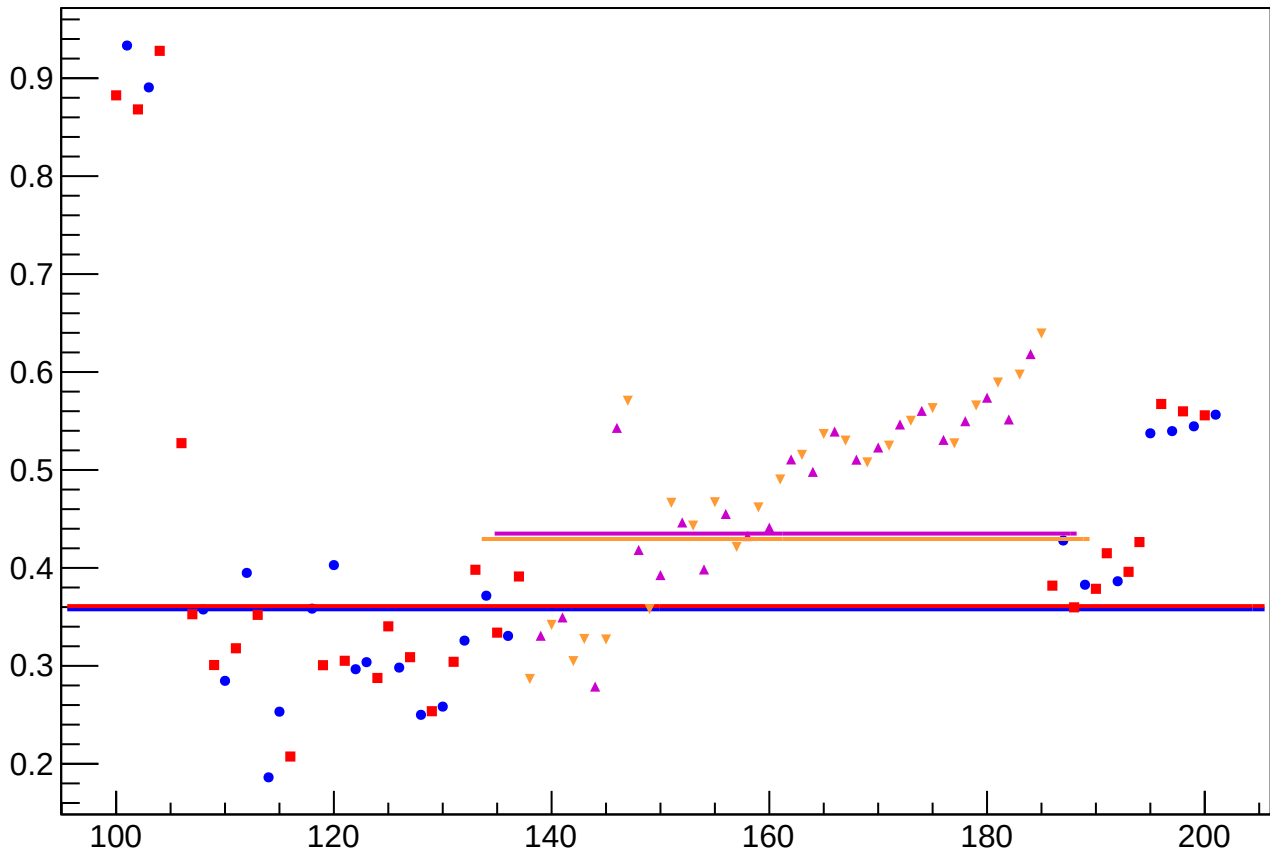
yield_bcm_an_us_mean vs Slug



Right In: 144.234 ± 0.000 χ^2/NDF : 3687987792.0/23
 Left Out: 147.911 ± 0.000 χ^2/NDF : 64412407.9/24
 Right Out: 142.630 ± 0.000 χ^2/NDF : 7748632712.4/27
 Left In: 147.493 ± 0.000 χ^2/NDF : 343978473.2/22

+ sign 146.266 ± 0.000 χ^2/NDF : 4309198798.5/48
 All: 145.660 ± 0.000 χ^2/NDF : 13534595125.
 - sign 145.071 ± 0.000 χ^2/NDF : 9104835127.2/50

yield_bcm_an_us_rms vs Slug



Right In: 0.358 $\pm$ 0.000 χ^2 /NDF: 2191236.6/23

Left Out: 0.430 $\pm$ 0.000 χ^2 /NDF:1895701.4/24

Right Out: 0.361 $\pm$ 0.000 χ^2 /NDF: 2040068.3/27

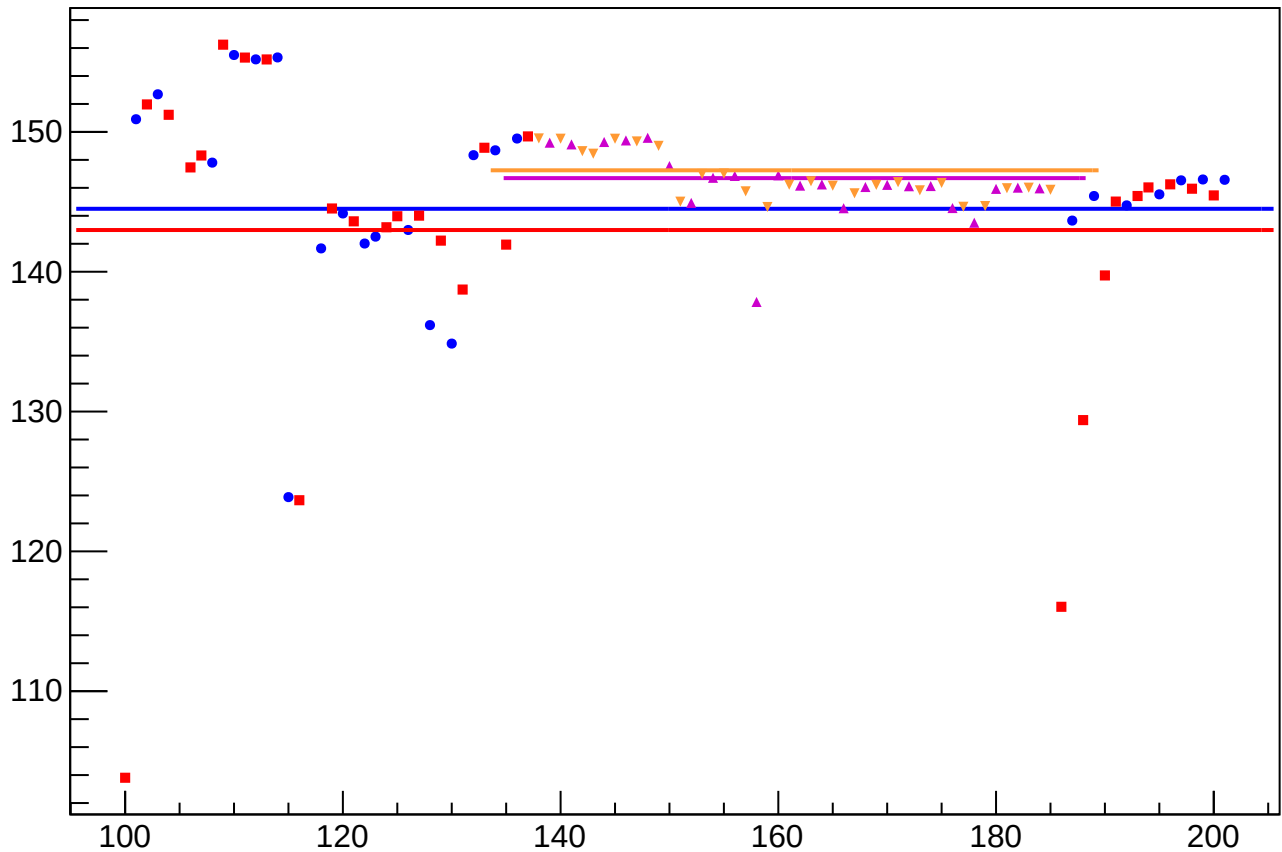
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1502712.5/22

+ sign 0.397 $\pm$ 0.000 χ^2 /NDF: 4511183.9/48

All: 0.398 $\pm$ 0.000 χ^2 /NDF: 8523268.1/99

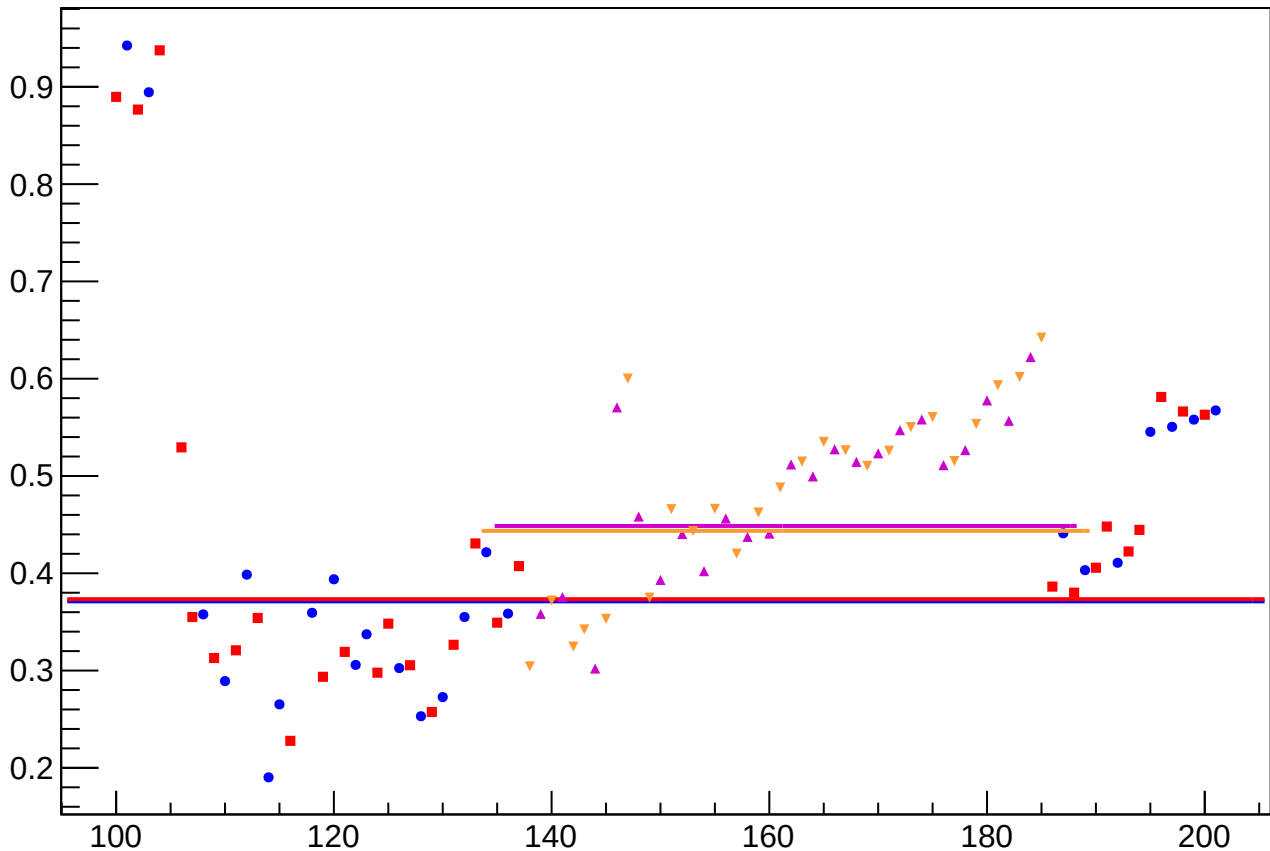
- sign 0.398 $\pm$ 0.000 χ^2 /NDF: 4011984.9/50

yield_bcm_dg_us_mean vs Slug



Right In: 144.502 $\pm$ 0.000	χ^2 /NDF: 3207583180.1/23	+ sign 146.036 $\pm$ 0.000	χ^2 /NDF: 3761831436.0/48
Left Out: 147.255 $\pm$ 0.000	χ^2 /NDF: 262138049.8/24	All: 145.441 $\pm$ 0.000	χ^2 /NDF: 12057756905.0
Right Out: 142.983 $\pm$ 0.000	χ^2 /NDF: 7073801222.9/27	- sign 144.863 $\pm$ 0.000	χ^2 /NDF: 8186732153.3/50
Left In: 146.695 $\pm$ 0.000	χ^2 /NDF: 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.371 ± 0.000 χ^2/NDF : 2138867.7/23

Left Out: 0.444 ± 0.000 χ^2/NDF : 1483434.7/24

Right Out: 0.373 ± 0.000 χ^2/NDF : 1993651.8/27

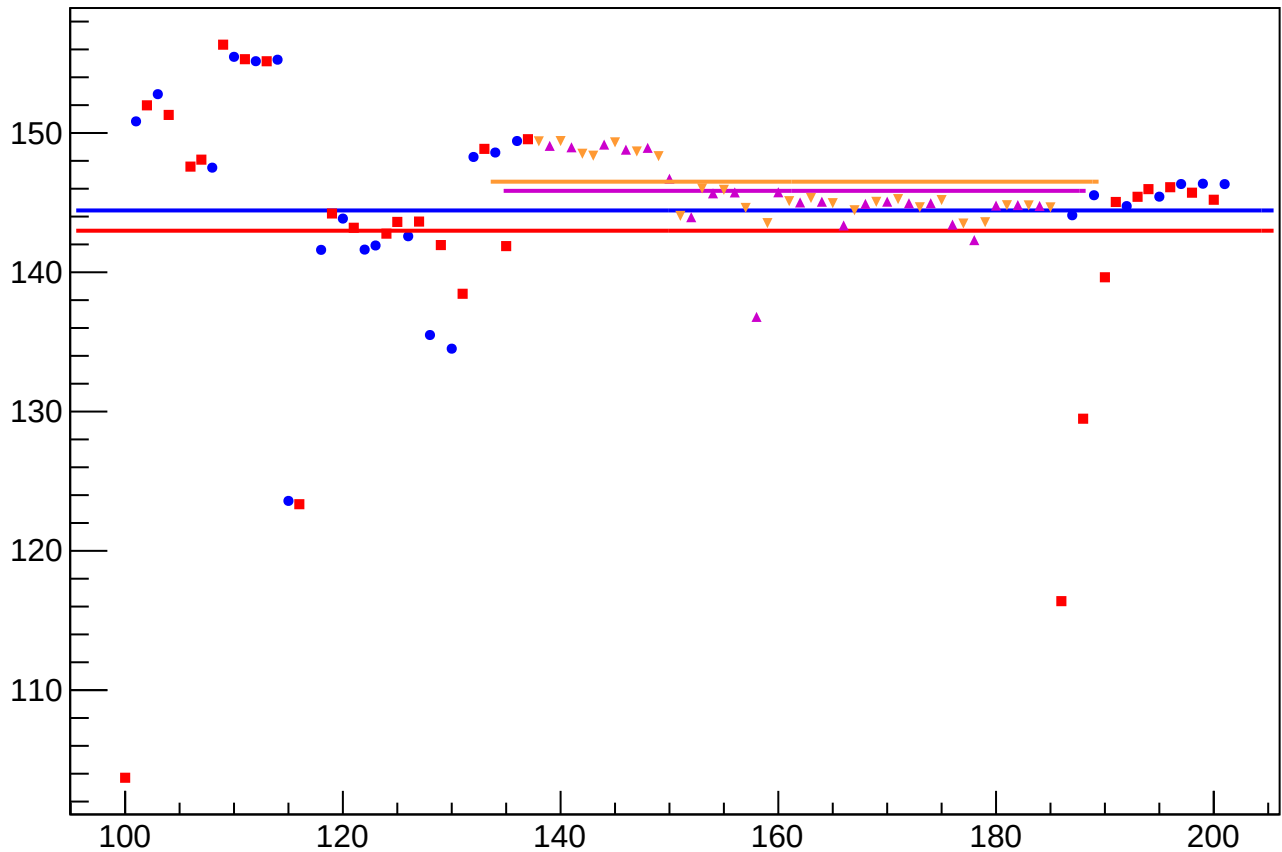
Left In: 0.449 ± 0.000 χ^2/NDF : 1132620.8/22

+ sign 0.412 ± 0.000 χ^2/NDF : 4026762.2/48

All: 0.411 ± 0.000 χ^2/NDF : 7609817.2/99

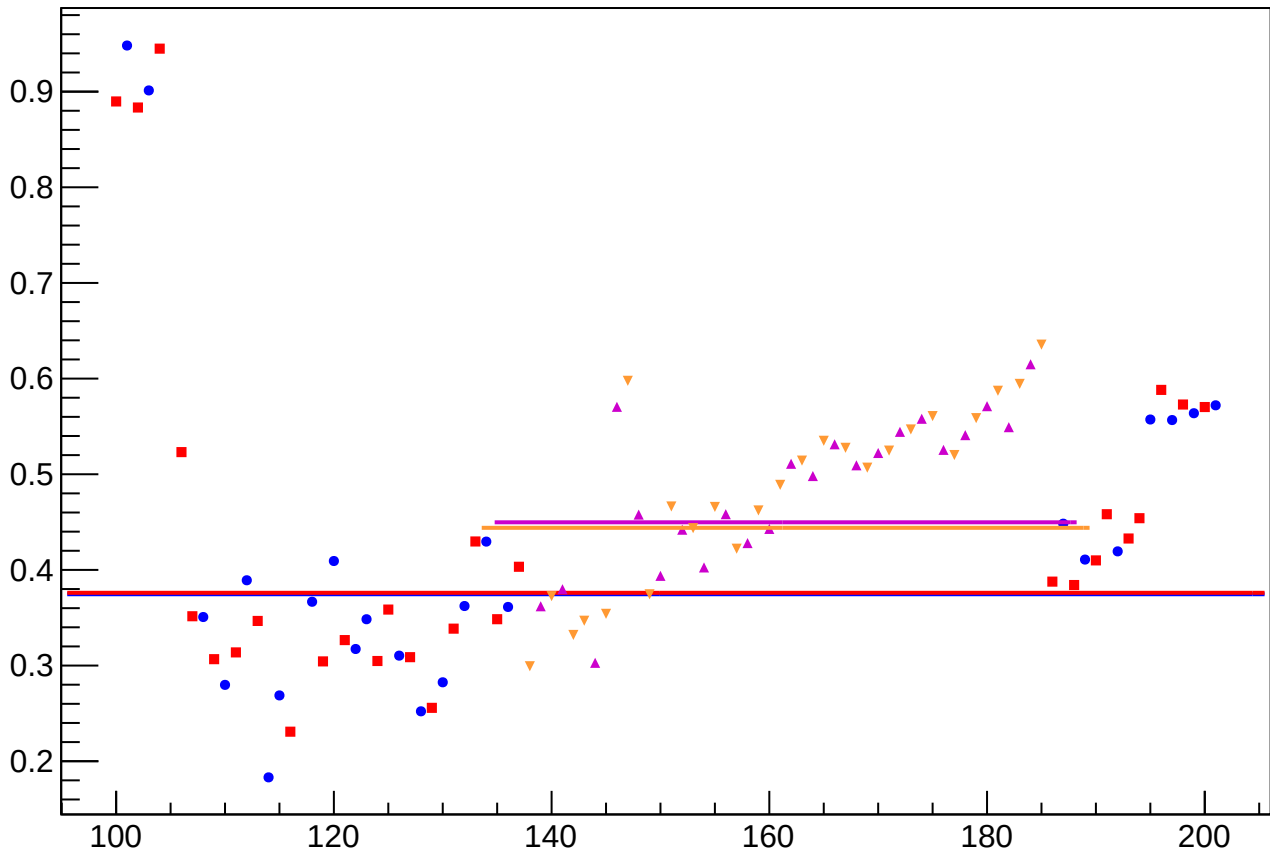
- sign 0.411 ± 0.000 χ^2/NDF : 3583054.5/50

yield_bcm_dg_ds_mean vs Slug



Right In: 144.439 $\pm$ 0.000	χ^2 /NDF: 3321654659.7/23	+ sign 145.601 $\pm$ 0.000	χ^2 /NDF: 3885638037.8/48
Left Out: 146.505 $\pm$ 0.000	χ^2 /NDF: 401688176.3/24	All: 145.013 $\pm$ 0.000	χ^2 /NDF: 12049581911.1
Right Out: 142.984 $\pm$ 0.000	χ^2 /NDF: 7037945155.1/27	- sign 144.443 $\pm$ 0.000	χ^2 /NDF: 8058816980.8/50
Left In: 145.847 $\pm$ 0.000	χ^2 /NDF: 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.375+/-0.000 χ^2/NDF : 2175479.8/23

Left Out: 0.444+/-0.000 χ^2/NDF :1463293.5/24

Right Out: 0.376+/-0.000 χ^2/NDF : 2013387.0/27

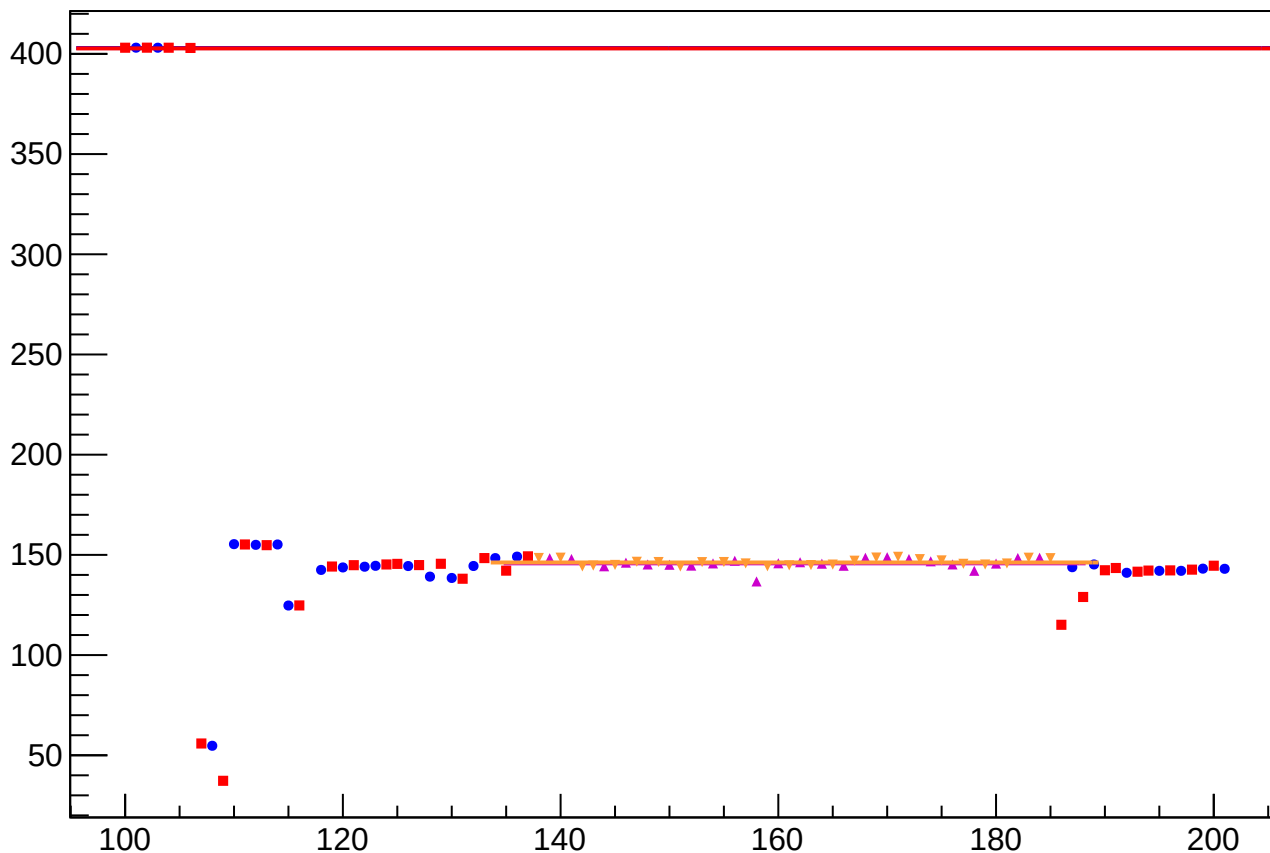
Left In: 0.450+/-0.000 χ^2/NDF :1105405.0/22

+ sign 0.414+/-0.000 χ^2/NDF : 4005412.6/48

All: 0.414+/-0.000 χ^2/NDF : 7556675.8/99

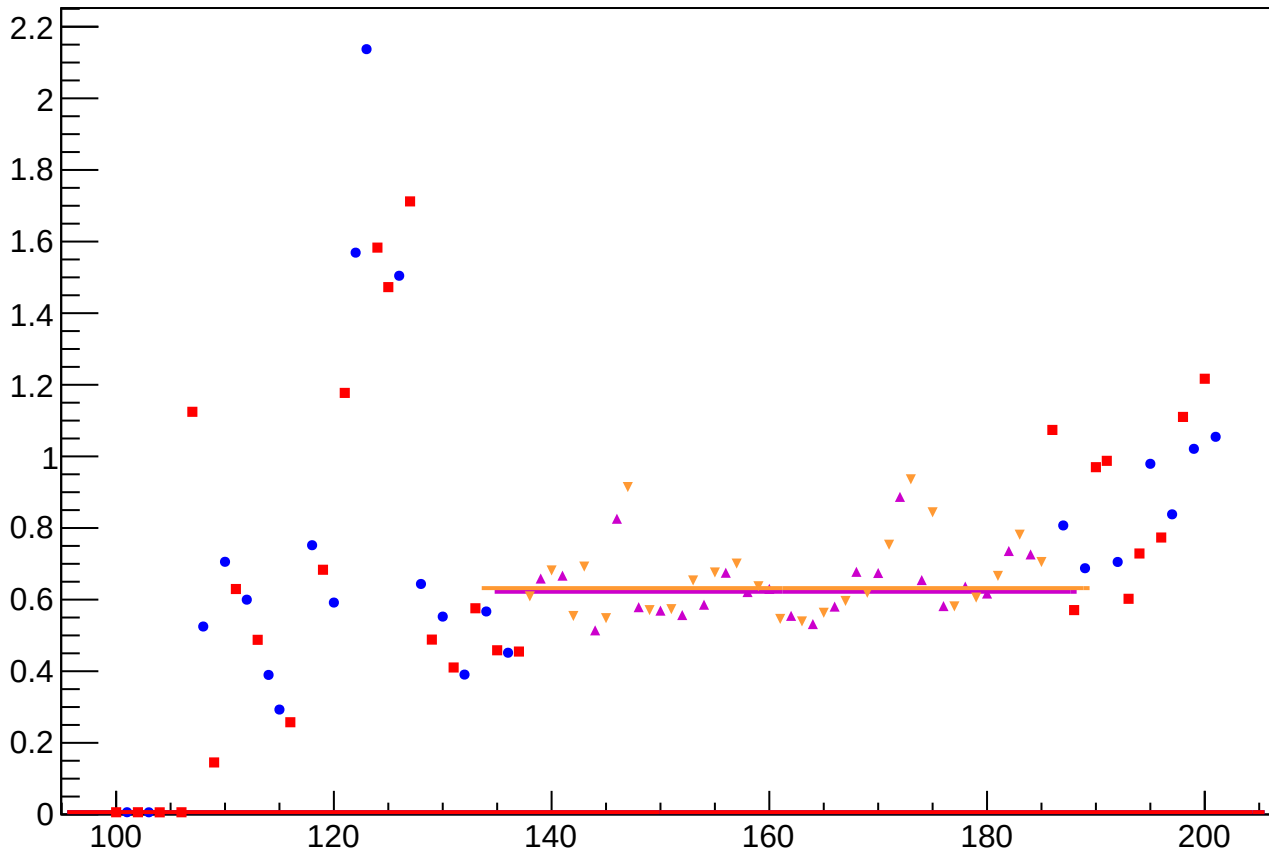
- sign 0.414+/-0.000 χ^2/NDF : 3551263.1/50

yield_cav4bQ_mean vs Slug



Right In: 402.917 $\pm$ 0.000 χ^2 /NDF: 1426188433079.6/23
 Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24
 Right Out: 402.737 $\pm$ 0.000 χ^2 /NDF: 3678986281398.8/27
 Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 16169998.2/23

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

+ sign 0.007+/-0.000 χ^2/NDF : 44951823.8/48

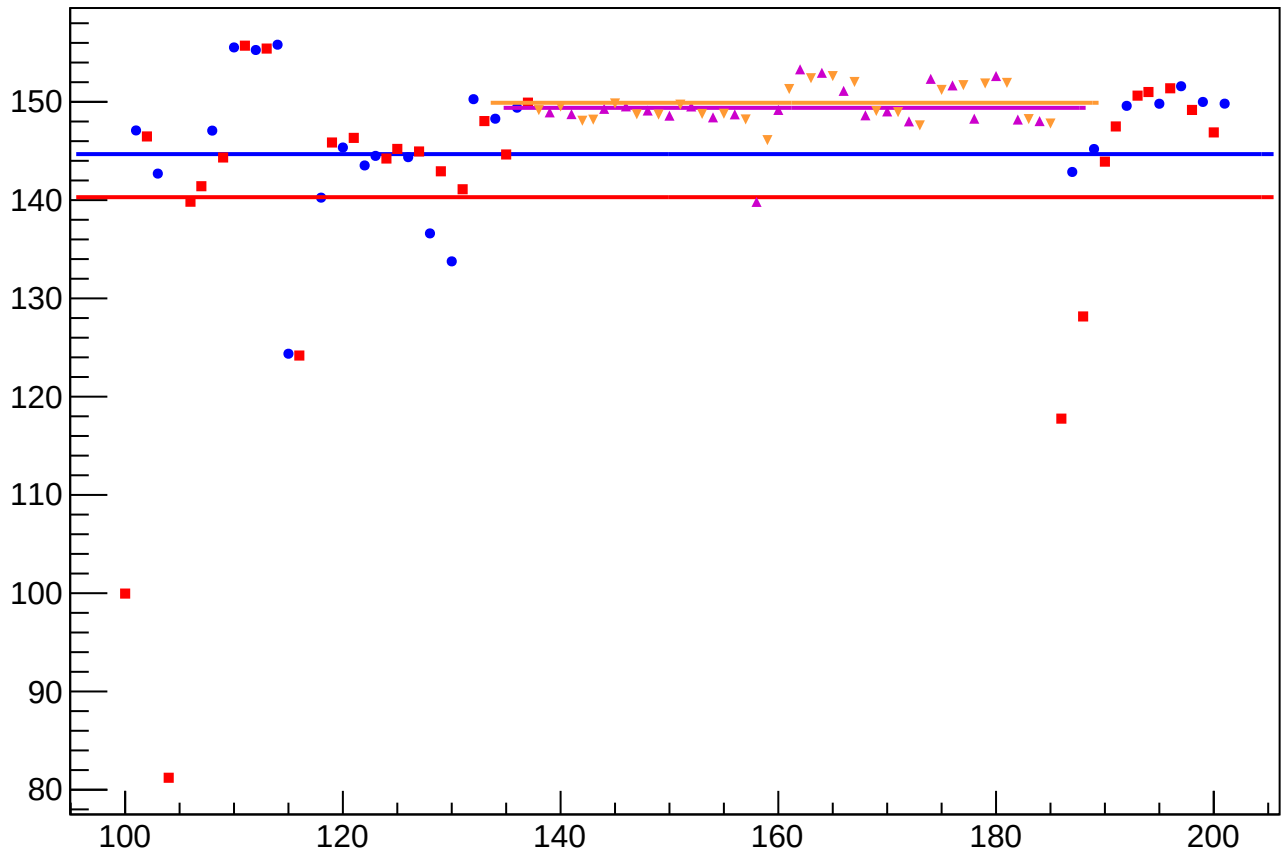
Right Out: 0.006+/-0.000 χ^2/NDF : 18699170.0/27

All: 0.007+/-0.000 χ^2/NDF : 90971372.2/99

- sign 0.007+/-0.000 χ^2/NDF : 46019367.3/50

Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

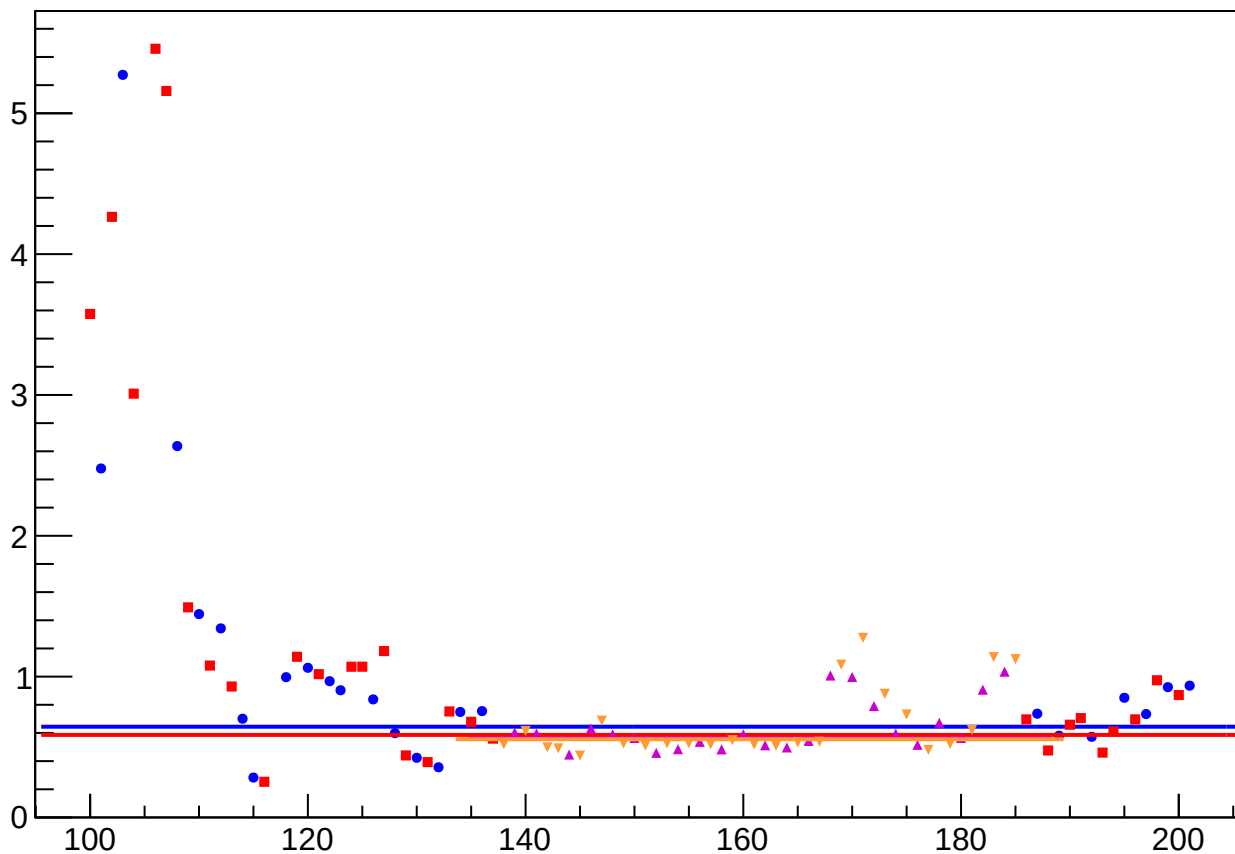
yield_cav4cQ_mean vs Slug



Right In: 144.682 $\pm$ 0.000 χ^2 /NDF: 1241030751.1/23
 Left Out: 149.906 $\pm$ 0.000 χ^2 /NDF: 163261802.4/24
 Right Out: 140.300 $\pm$ 0.000 χ^2 /NDF: 3028830740.1/27
 Left In: 149.391 $\pm$ 0.000 χ^2 /NDF: 437129920.4/22

+ sign 148.597 $\pm$ 0.000 χ^2 /NDF: 1752608645.1/48
 All: 147.479 $\pm$ 0.000 χ^2 /NDF: 6675899787.4
 - sign 146.407 $\pm$ 0.000 χ^2 /NDF: 4756971838.7/50

yield_cav4cQ_rms vs Slug



Right In: 0.644 ± 0.000 χ^2/NDF : 3932549.4/23

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.586 ± 0.000 χ^2/NDF : 5275129.4/27

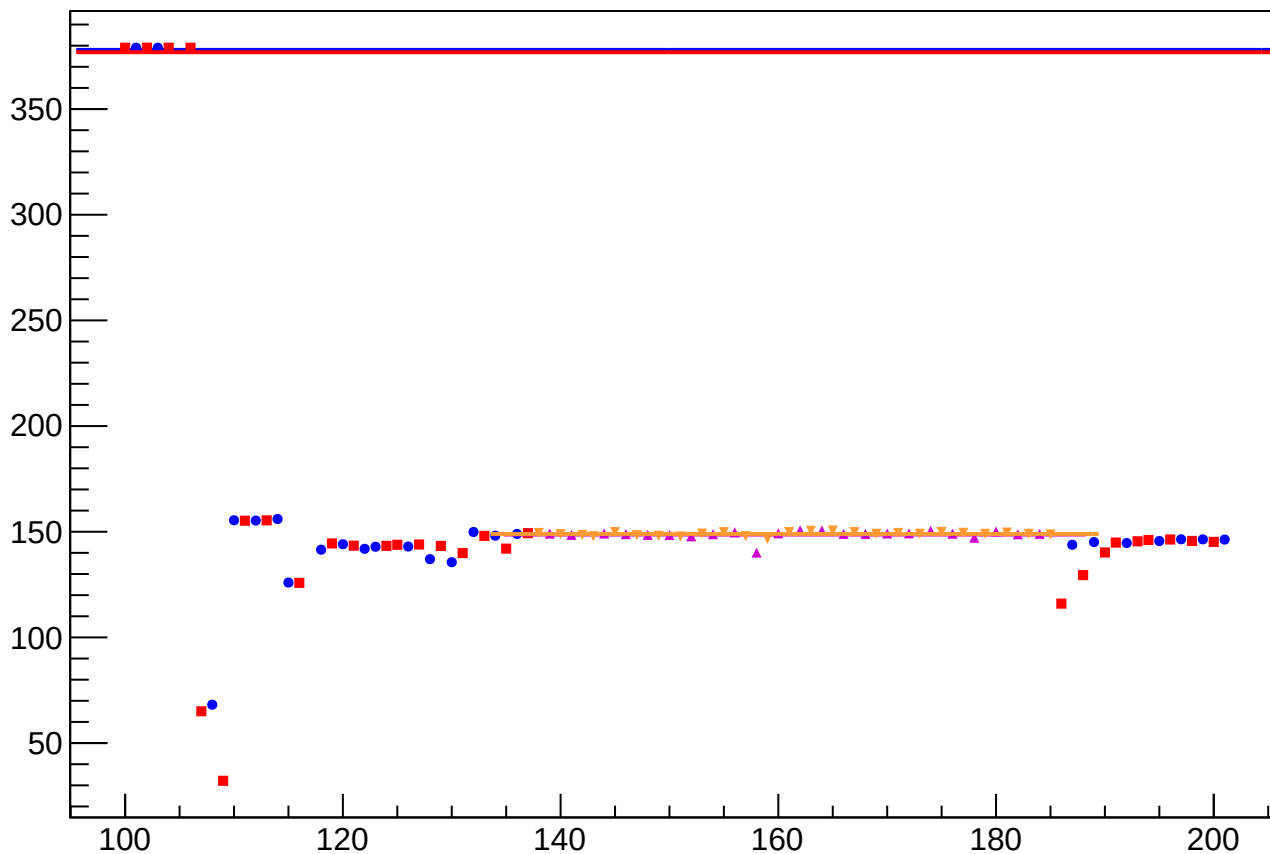
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.578 ± 0.000 χ^2/NDF : 5908251.8/48

All: 0.574 ± 0.000 χ^2/NDF : 12516702.8/99

- sign 0.570 ± 0.000 χ^2/NDF : 6604287.7/50

yield_cav4dQ_mean vs Slug



Right In: 377.998 ± 0.000 χ^2/NDF : 3388697130449.4/23

Left Out: 148.946 ± 0.000 χ^2/NDF : 63974844.7/24

Right Out: 376.911 ± 0.000 χ^2/NDF : 9645705616206.8/27

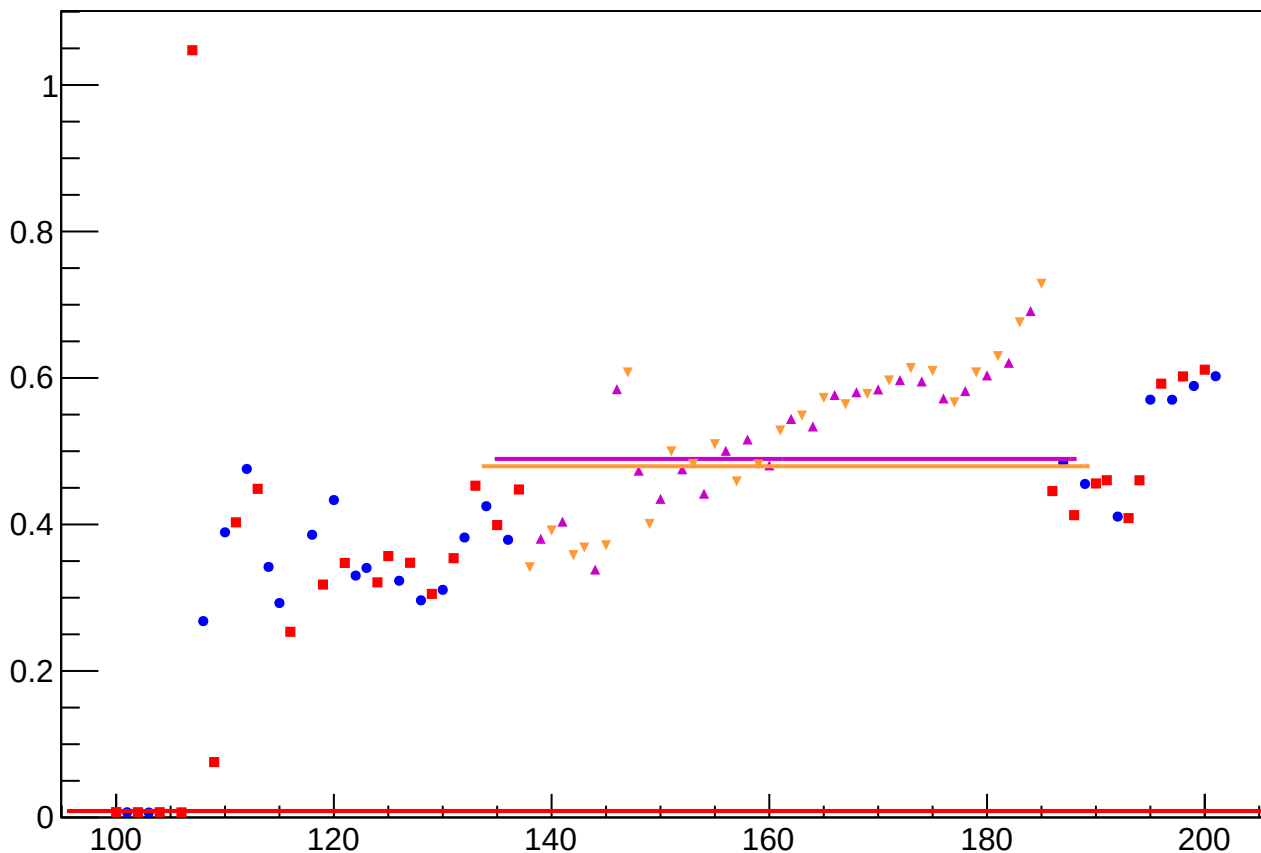
Left In: 148.683 ± 0.000 χ^2/NDF : 253848207.3/22

+ sign 376.719 ± 0.000 χ^2/NDF : 7294355182536.3

All: 376.273 ± 0.000 χ^2/NDF : 205184586620

- sign 375.881 ± 0.000 χ^2/NDF : 13219088522891.6

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 18397133.5/23

Left Out: 0.479+/-0.000 χ^2/NDF : 1518765.9/24

Right Out: 0.009+/-0.000 χ^2/NDF : 20415446.0/27

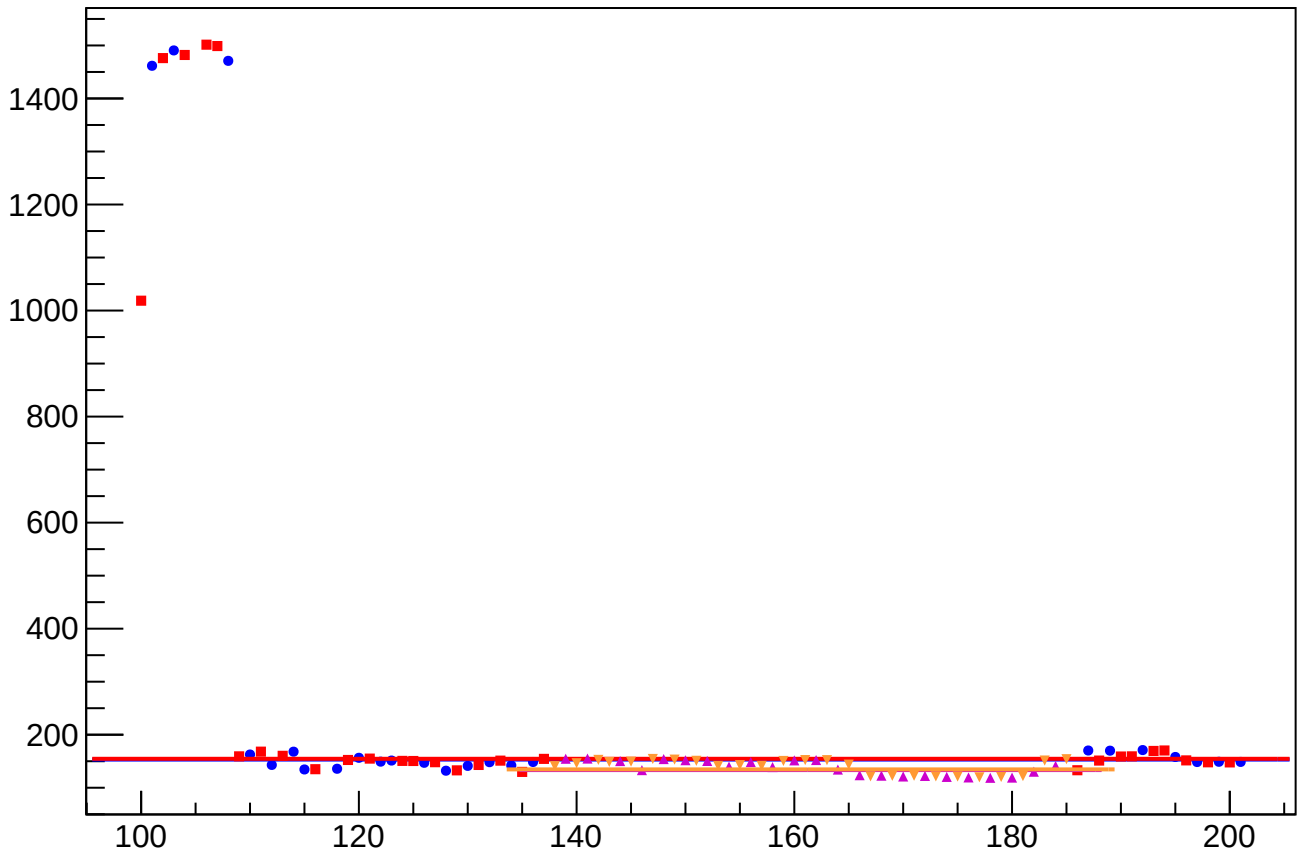
Left In: 0.490+/-0.000 χ^2/NDF : 1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 52909128.2/48

All: 0.011+/-0.000 χ^2/NDF : 106109171.2/99

- sign 0.011+/-0.000 χ^2/NDF : 53198633.3/50

yield_bcm0l02_mean vs Slug



Right In: 153.145 $\pm$ 0.000 χ^2 /NDF: 25515931481.5/23

Left Out: 134.585 $\pm$ 0.000 χ^2 /NDF: 4387324151.1/24

Right Out: 154.581 $\pm$ 0.000 χ^2 /NDF: 34827735547.2/27

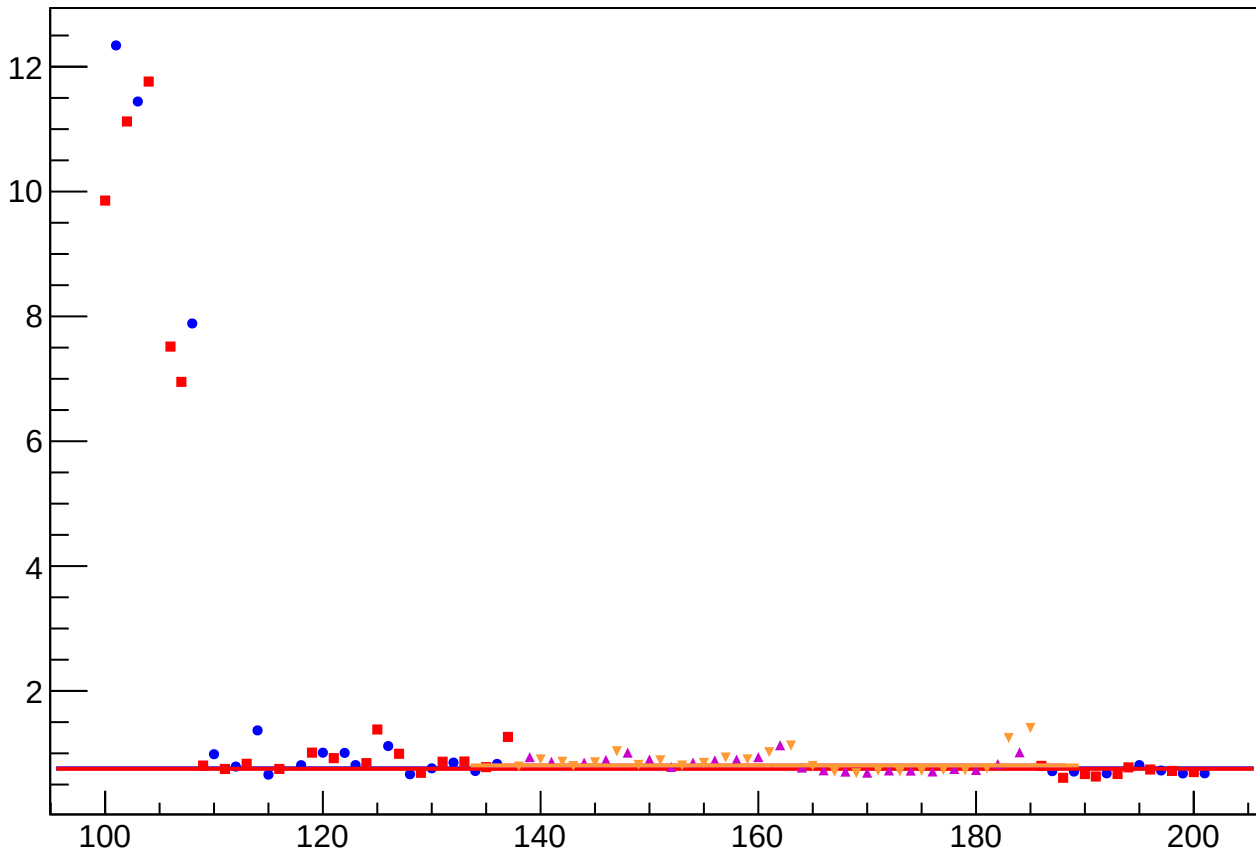
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 141.372 $\pm$ 0.000 χ^2 /NDF: 32893854306.7/48

All: 141.764 $\pm$ 0.000 χ^2 /NDF: 76395255052.0

- sign 142.137 $\pm$ 0.000 χ^2 /NDF: 43490178714.9/50

yield_bcm0l02_rms vs Slug



Right In: 0.760 ± 0.000 χ^2/NDF : 2828372.4/23

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.753 ± 0.000 χ^2/NDF : 3140513.5/27

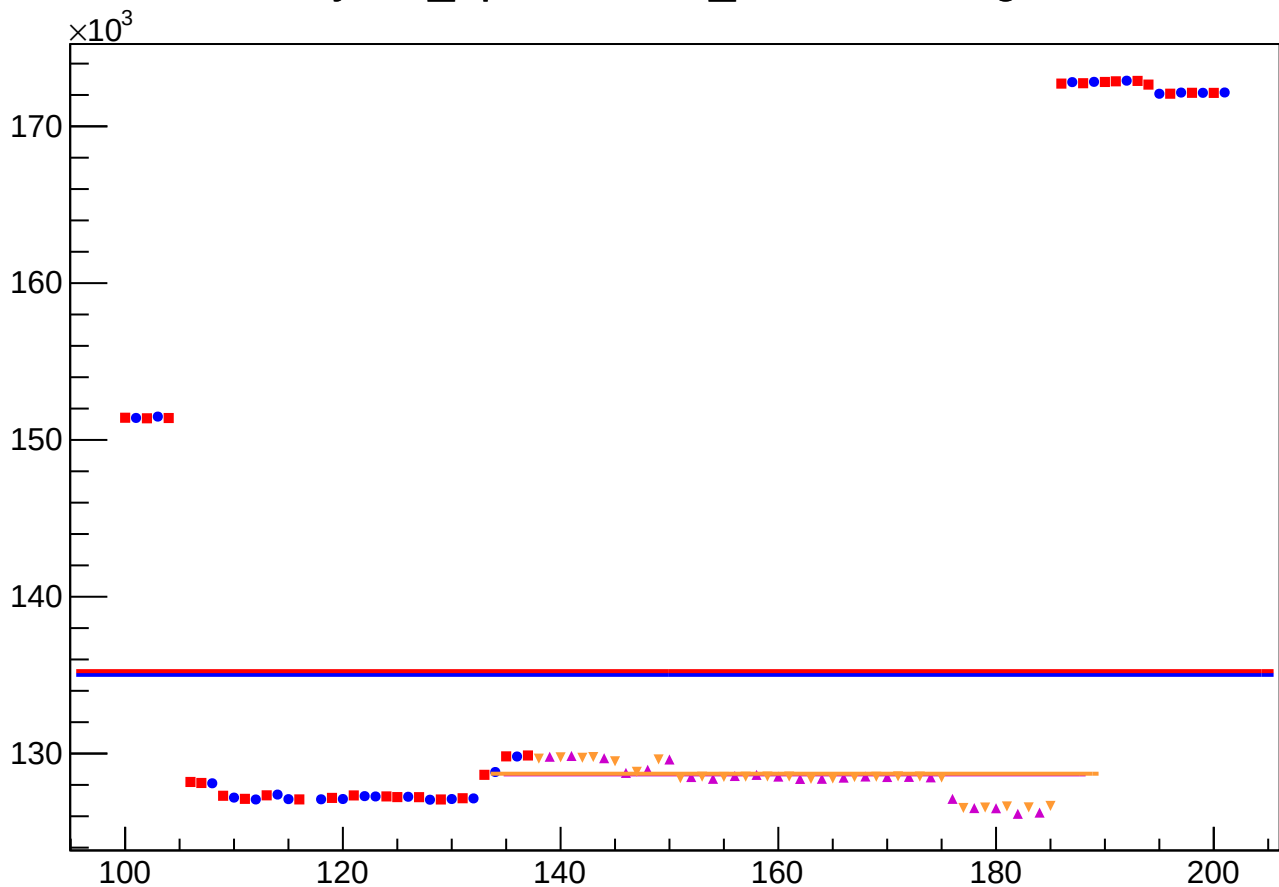
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.790 ± 0.000 χ^2/NDF : 3570357.8/48

All: 0.786 ± 0.000 χ^2/NDF : 7243550.5/99

- sign 0.783 ± 0.000 χ^2/NDF : 3671518.8/50

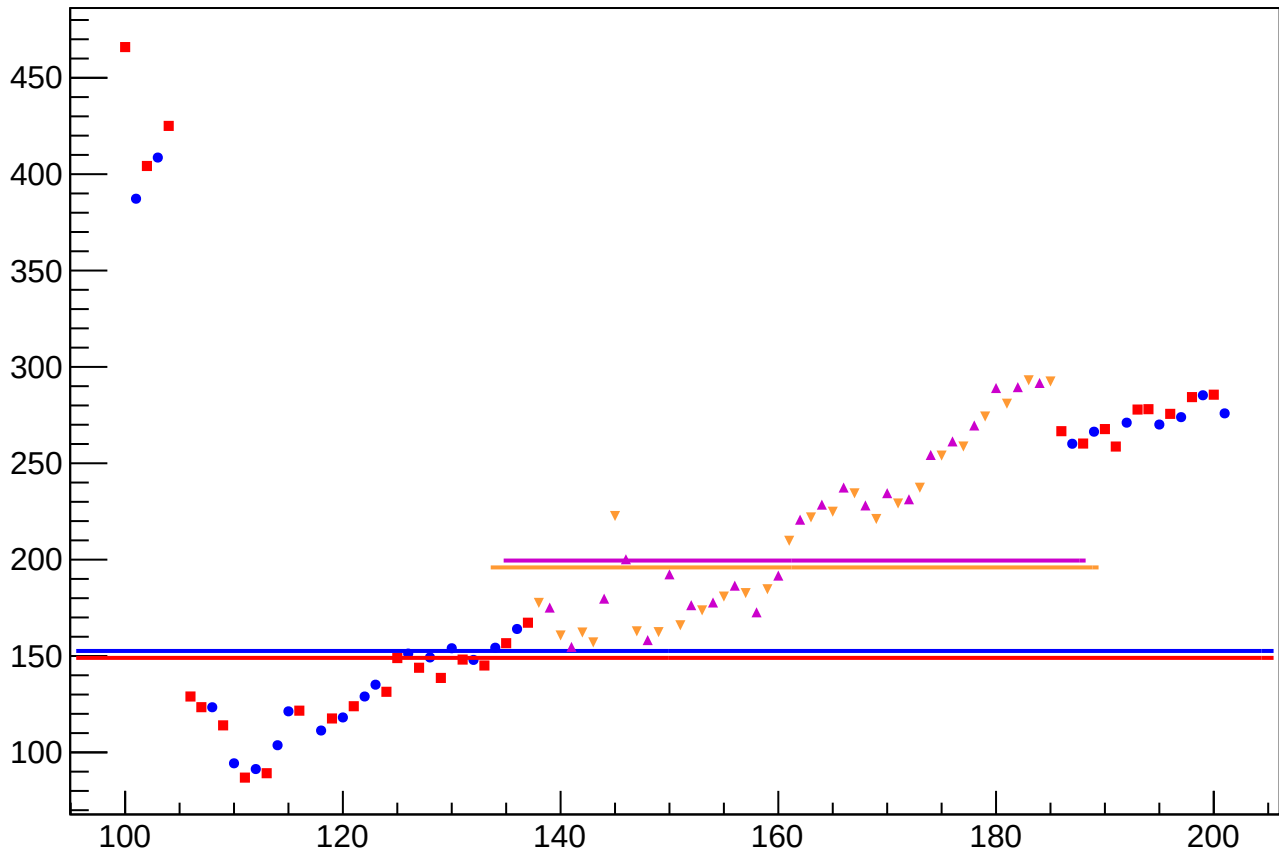
yield_bpm2i01WS_mean vs Slug



Right In: 135019.360 $\pm$ 0.050 χ^2 /NDF: 108234833939.0/23
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 135256.015 $\pm$ 0.046 χ^2 /NDF: 132495150504.7/27
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22

+ sign 131639.579 $\pm$ 0.034 χ^2 /NDF: 117059942627
 All: 131902.513 $\pm$ 0.024 χ^2 /NDF: 259632090
 - sign 132155.556 $\pm$ 0.034 χ^2 /NDF: 142455848940

yield_bpm2i01WS_rms vs Slug



Right In: 152.622 $\pm$ 0.035 χ^2 /NDF: 3672068.3/23

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 149.029 $\pm$ 0.033 χ^2 /NDF: 4442397.3/27

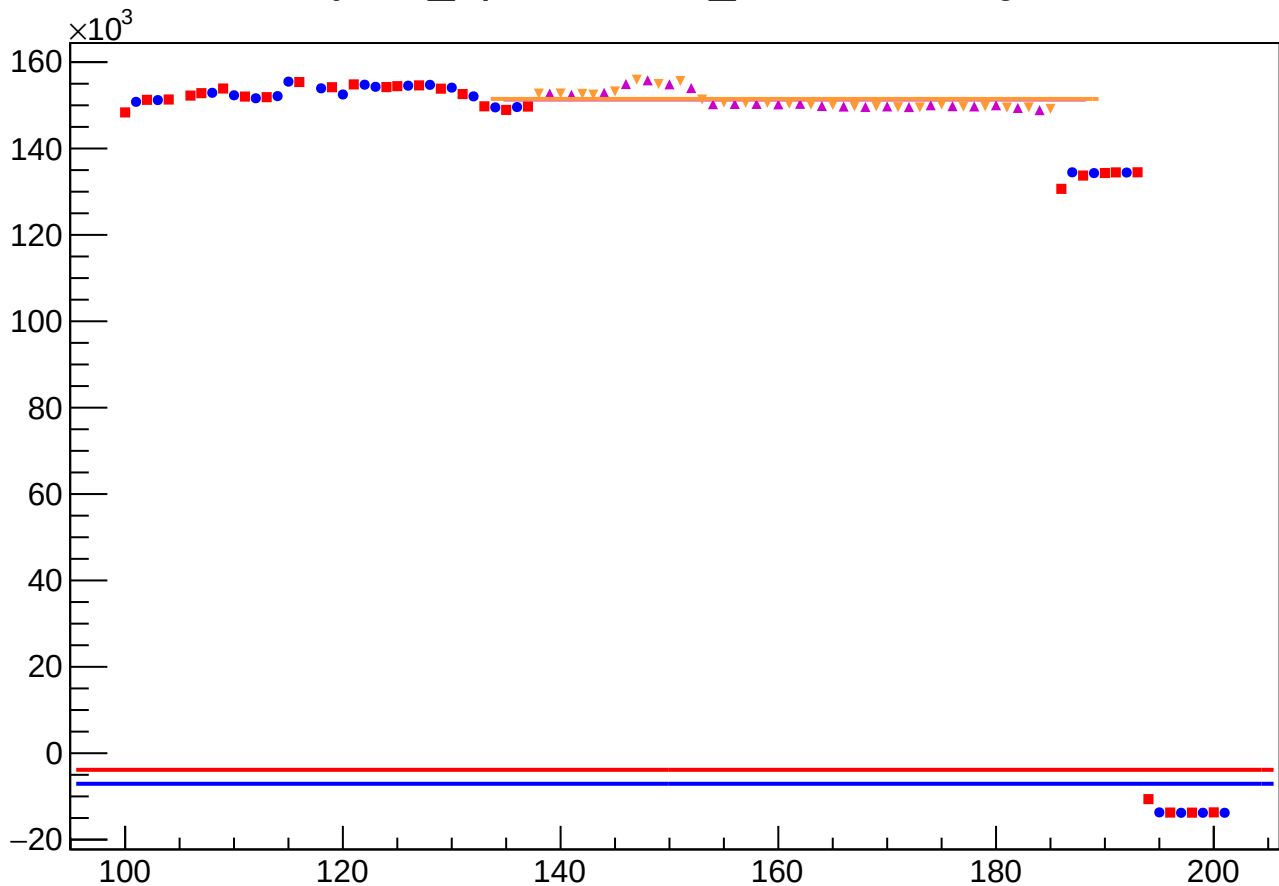
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 175.853 $\pm$ 0.024 χ^2 /NDF: 5789159.8/48

All: 174.299 $\pm$ 0.017 χ^2 /NDF: 12547025.3/99

- sign 172.804 $\pm$ 0.024 χ^2 /NDF: 6749743.5/50

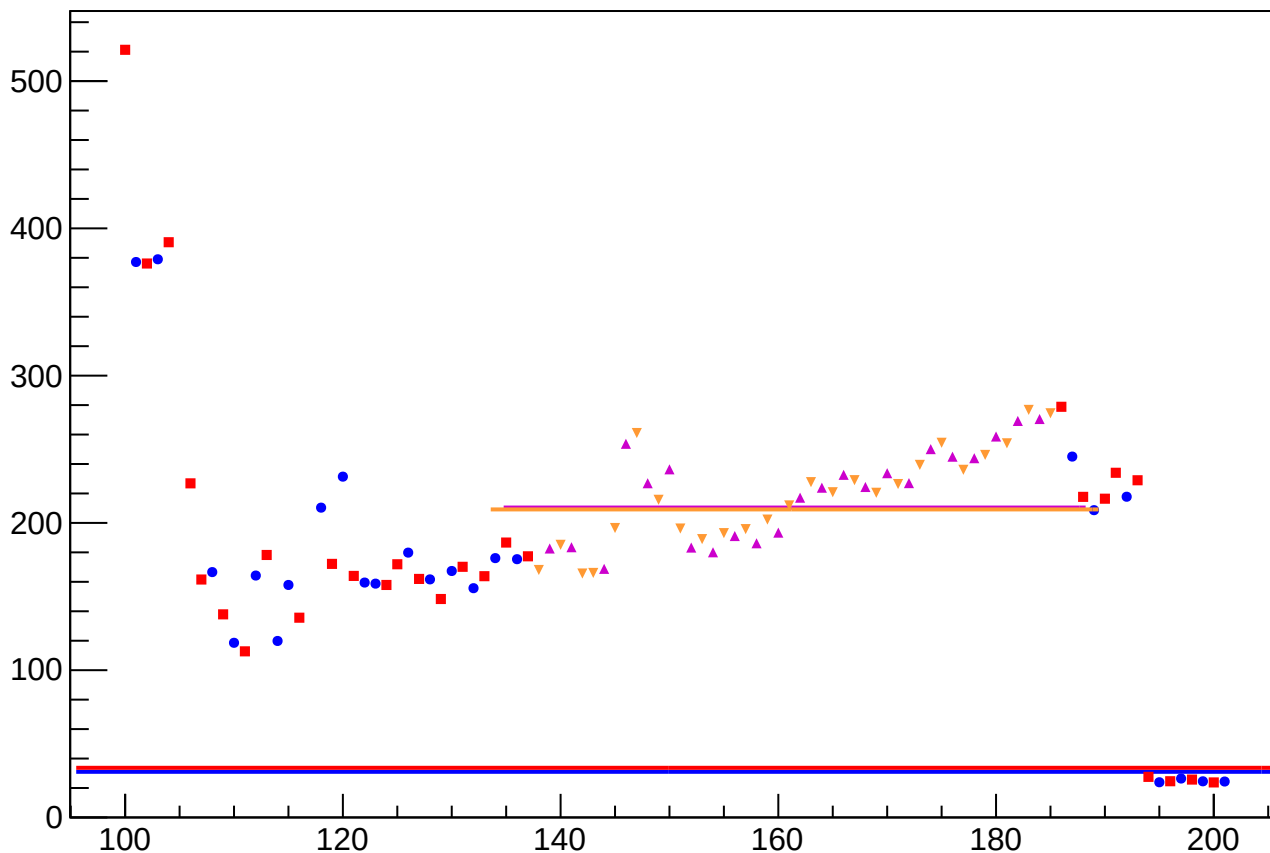
yield_bpm0i07WS_mean vs Slug



Right In: -7072.437 ± 0.014 χ^2/NDF : 5728915391104.3/23
 Left Out: 151480.339 ± 0.049 χ^2/NDF : 1483692735.3/24
 Right Out: -3843.254 ± 0.015 χ^2/NDF : 6932206772616.7/27
 Left In: 151362.440 ± 0.051 χ^2/NDF : 1426782789.9/22

+ sign 3998.210 ± 0.013 χ^2/NDF : 15284637430102
 All: 5734.494 ± 0.010 χ^2/NDF : 30752830763
 - sign 7720.782 ± 0.014 χ^2/NDF : 15430371052619

yield_bpm0i07WS_rms vs Slug



Right In: 30.997 $\pm$ 0.010 χ^2 /NDF: 11137874.8/23

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 33.717 $\pm$ 0.010 χ^2 /NDF: 13046405.5/27

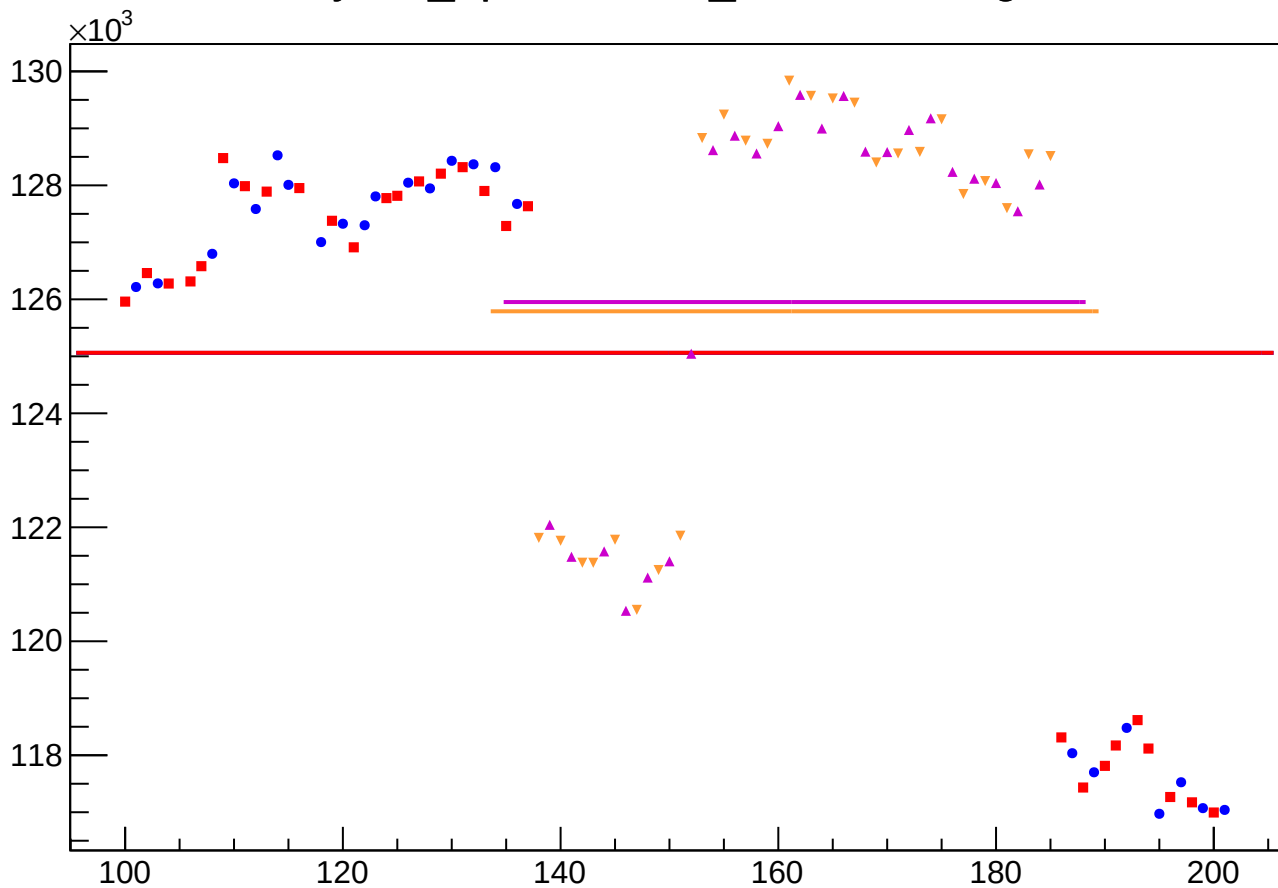
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 43.436 $\pm$ 0.009 χ^2 /NDF: 35974424.0/48

All: 45.044 $\pm$ 0.007 χ^2 /NDF: 71799272.7/99

- sign 46.884 $\pm$ 0.010 χ^2 /NDF: 35759971.7/50

yield_bpm0l01WS_mean vs Slug



Right In: 125060.036 $\pm$ 0.050 χ^2 /NDF: 8097984773.7/23

Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24

Right Out: 125062.289 $\pm$ 0.047 χ^2 /NDF: 9171671877.5/27

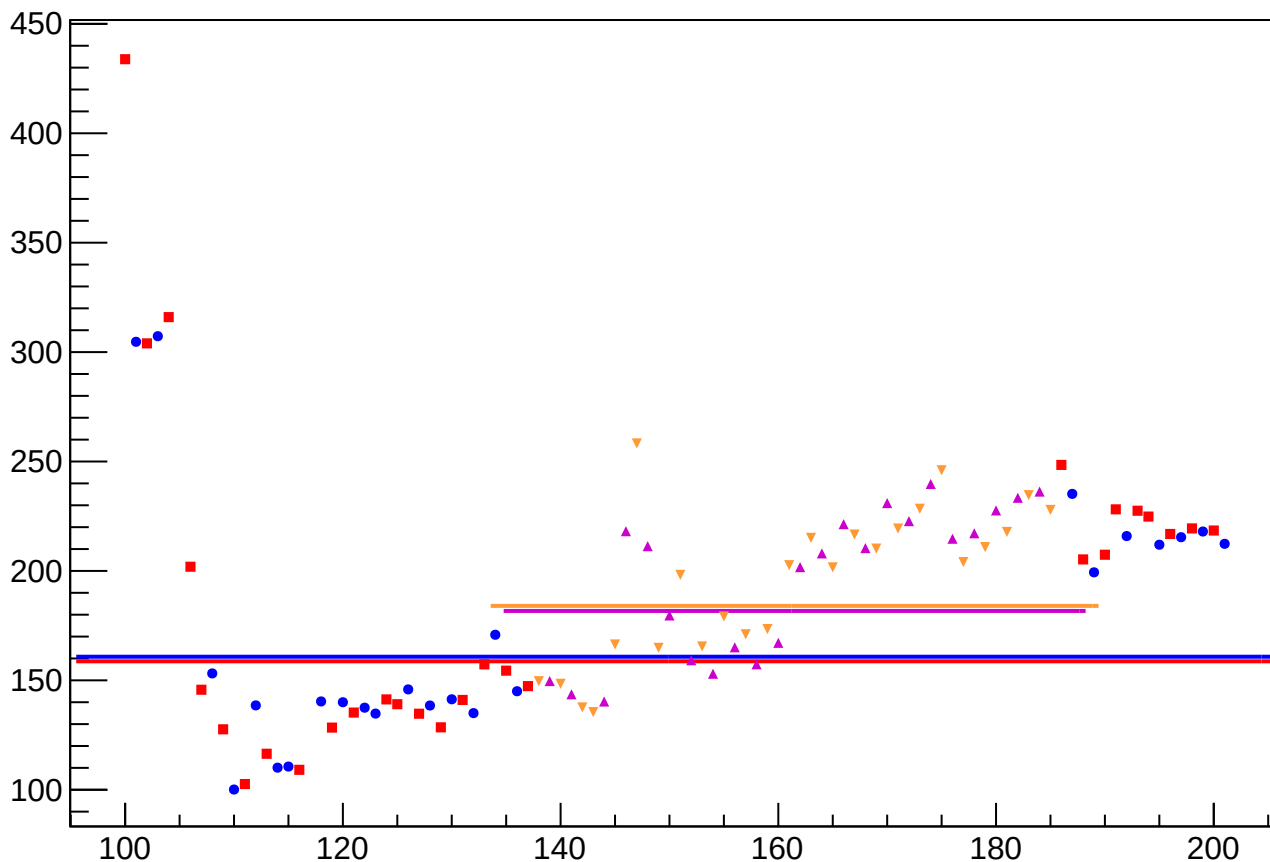
Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22

+ sign 125473.715 $\pm$ 0.033 χ^2 /NDF: 14961828775.

All: 125501.561 $\pm$ 0.023 χ^2 /NDF: 30166045

- sign 125528.106 $\pm$ 0.032 χ^2 /NDF: 15202833566.5

yield_bpm0l01WS_rms vs Slug



Right In: 160.797 $\pm$ 0.036 χ^2 /NDF: 1619082.2/23

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF: 1126592.5/24

Right Out: 158.697 $\pm$ 0.033 χ^2 /NDF: 2181464.9/27

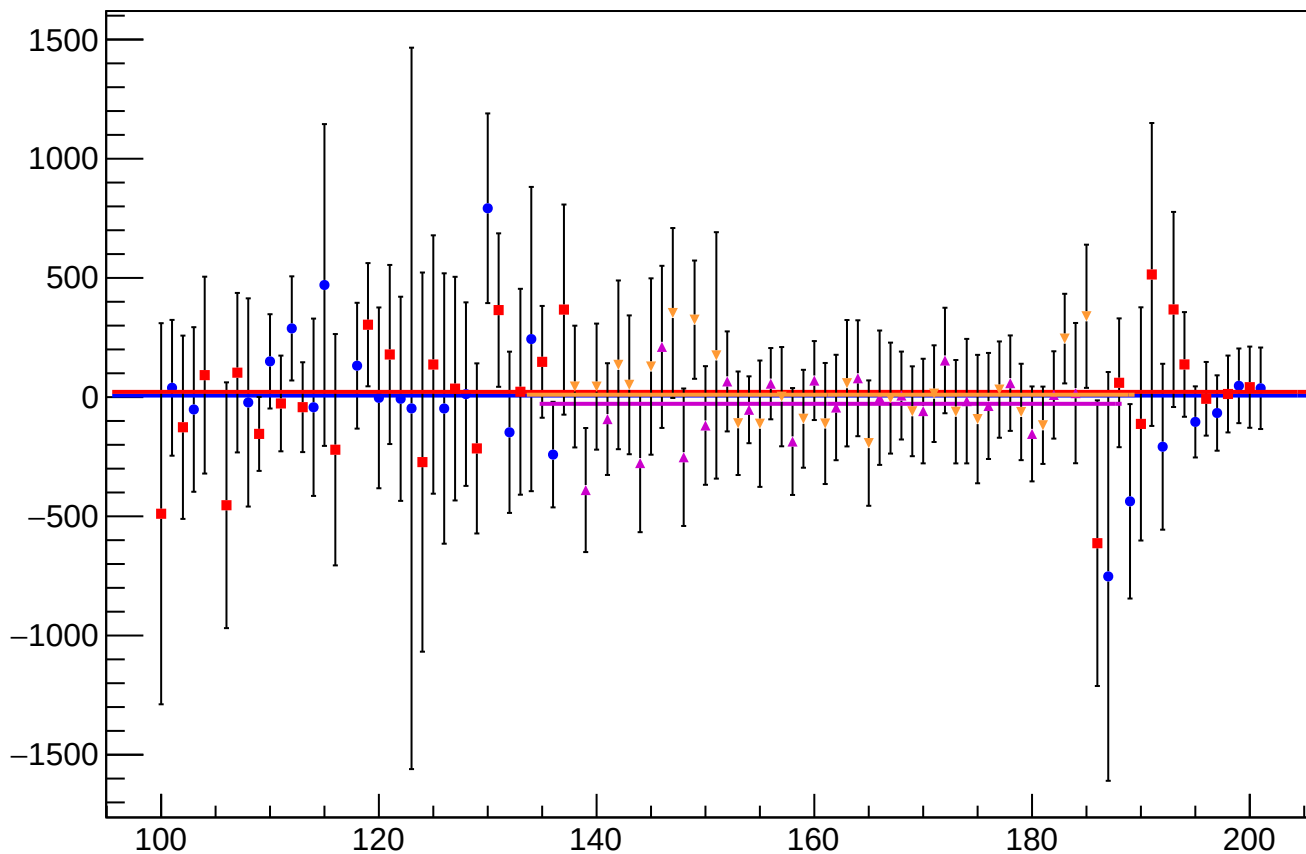
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 173.961 $\pm$ 0.023 χ^2 /NDF: 2987758.8/48

All: 172.313 $\pm$ 0.016 χ^2 /NDF: 6548260.6/99

- sign 170.742 $\pm$ 0.023 χ^2 /NDF: 3550814.2/50

asym_bcm_an_ds_mean vs Slug



Right In: 6.532 ± 54.840 χ^2/NDF : 11.7/23

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 22.020 ± 52.119 χ^2/NDF : 10.1/27

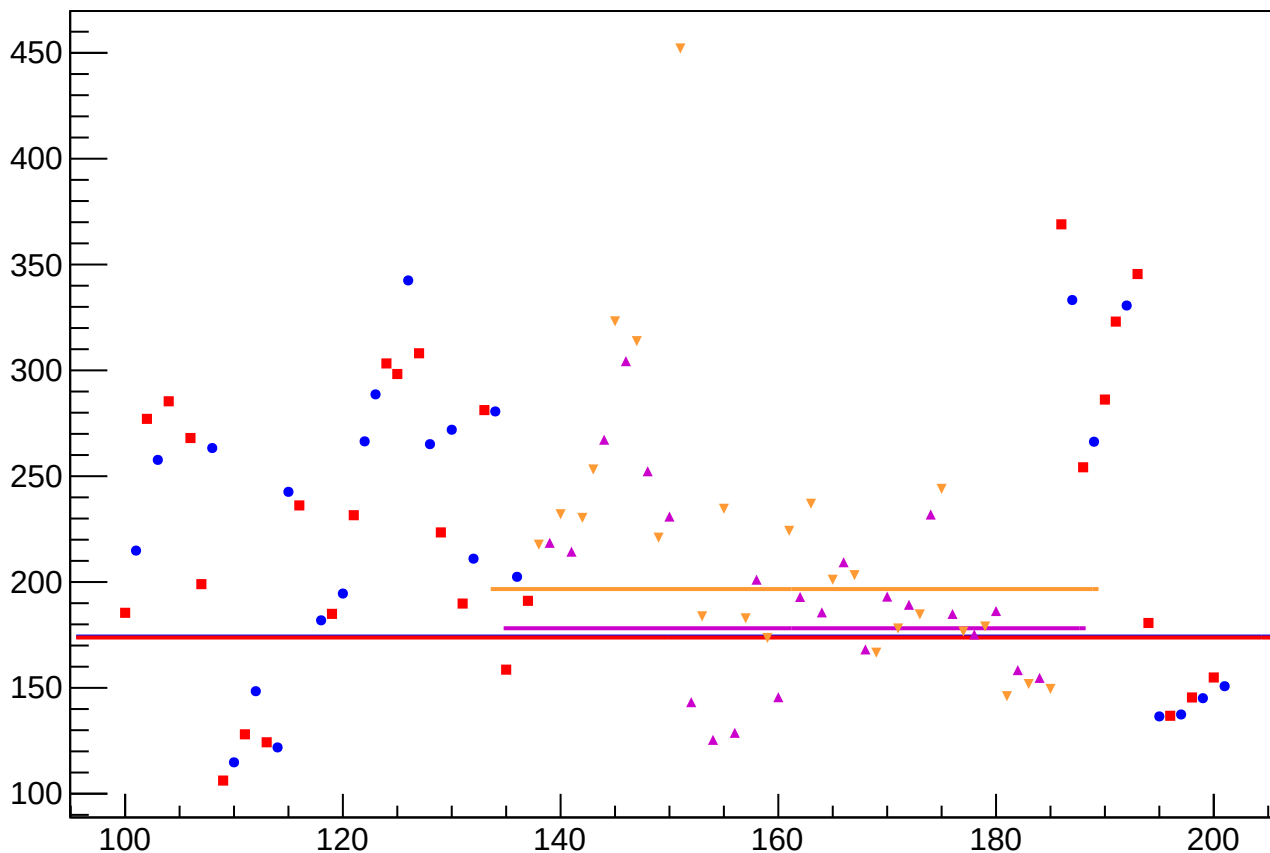
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign 8.558 ± 35.899 χ^2/NDF : 20.1/48

All: 0.382 ± 24.638 χ^2/NDF : 37.8/99

- sign -6.899 ± 33.874 χ^2/NDF : 17.6/50

asym_bcm_an_ds_rms vs Slug



Right In: 174.245 ± 0.039 χ^2/NDF : 2059099.9/23

Left Out: 196.682 ± 0.034 χ^2/NDF : 1782715.7/24

Right Out: 173.782 ± 0.037 χ^2/NDF : 2736528.2/27

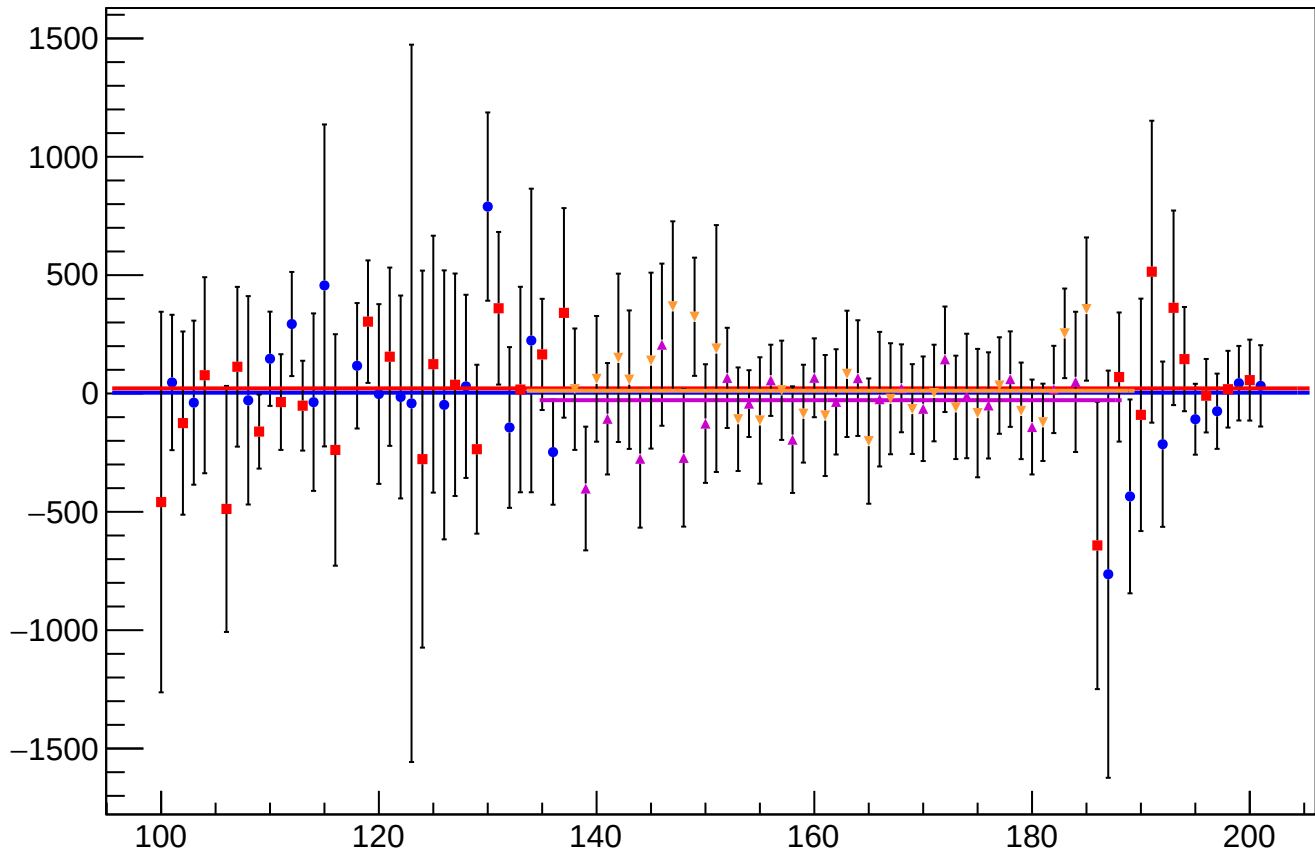
Left In: 178.166 ± 0.032 χ^2/NDF : 1618967.9/22

+ sign 187.067 ± 0.025 χ^2/NDF : 4033132.3/48

All: 181.379 ± 0.017 χ^2/NDF : 8491726.7/99

- sign 176.314 ± 0.024 χ^2/NDF : 4363668.3/50

asym_bcm_an_ds3_mean vs Slug



Right In: 3.396 ± 55.106 χ^2/NDF : 11.7/23

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 21.583 ± 52.386 χ^2/NDF : 10.4/27

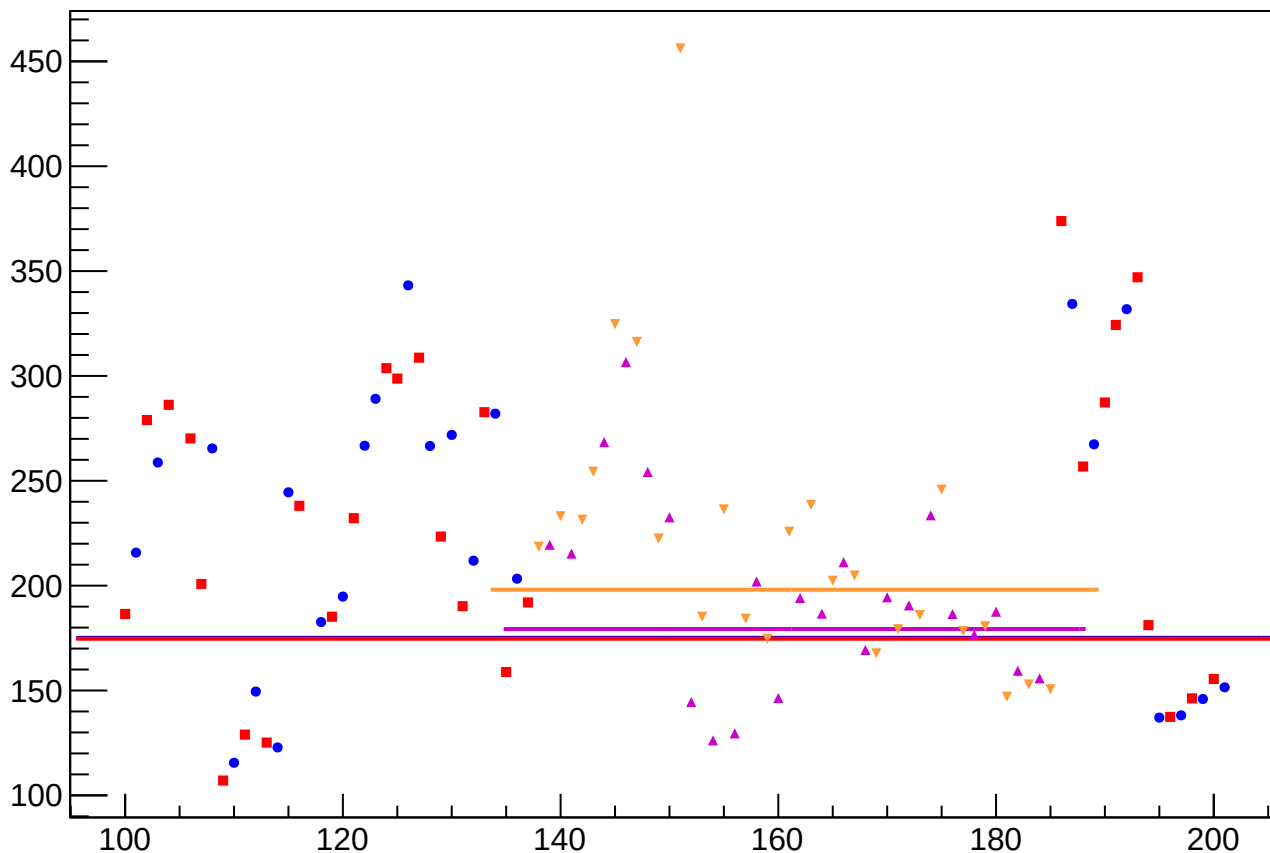
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign 8.007 ± 36.117 χ^2/NDF : 20.5/48

All: -0.029 ± 24.785 χ^2/NDF : 38.6/99

- sign -7.183 ± 34.075 χ^2/NDF : 18.0/50

asym_bcm_an_ds3_rms vs Slug



Right In: 175.128 $\pm$ 0.039 χ^2 /NDF: 2049673.9/23

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 174.692 $\pm$ 0.037 χ^2 /NDF: 2731052.7/27

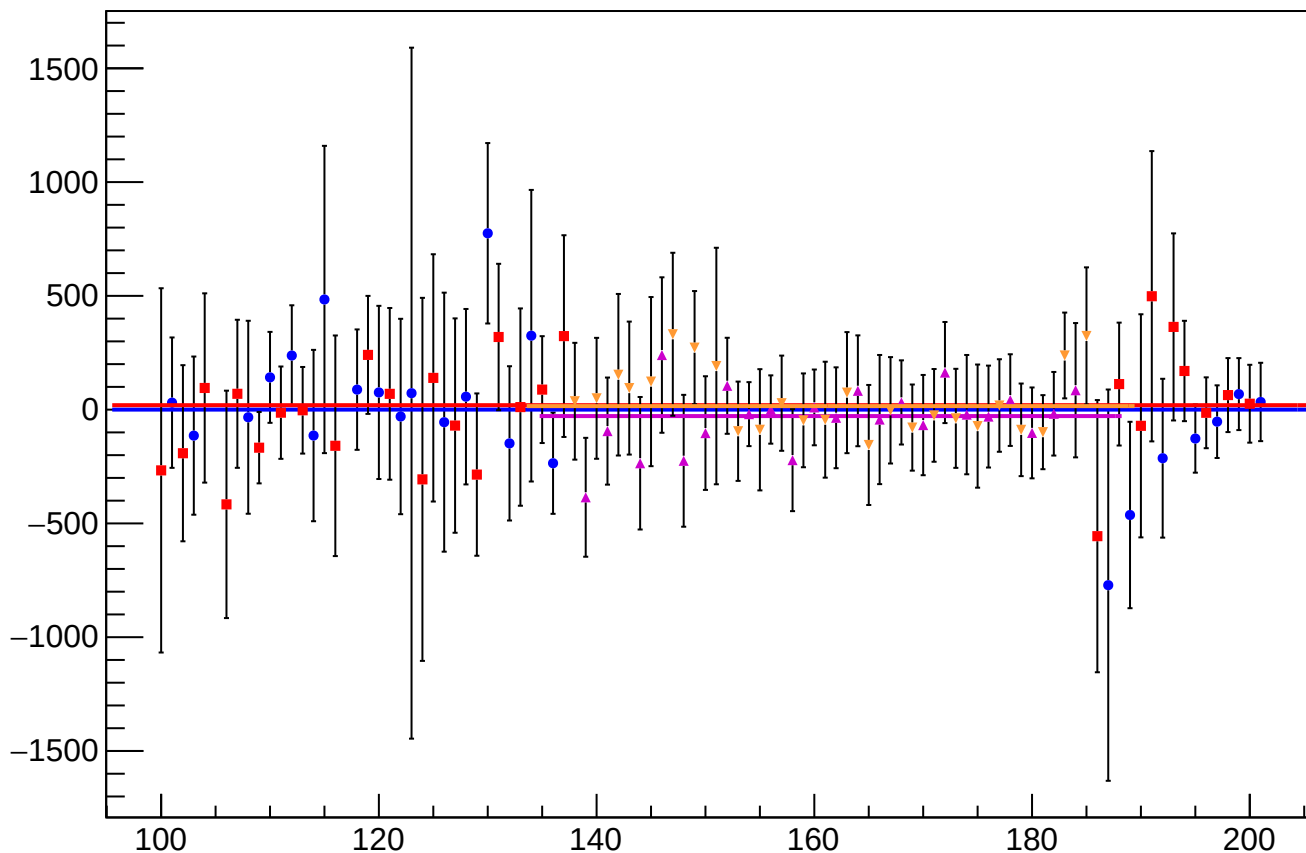
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 188.209 $\pm$ 0.026 χ^2 /NDF: 4025762.5/48

All: 182.471 $\pm$ 0.018 χ^2 /NDF: 8479496.7/99

- sign 177.364 $\pm$ 0.024 χ^2 /NDF: 4358338.1/50

asym_bcm_an_us_mean vs Slug



Right In: 0.177 ± 55.182 χ^2/NDF : 11.5/23

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 19.601 ± 52.369 χ^2/NDF : 8.9/27

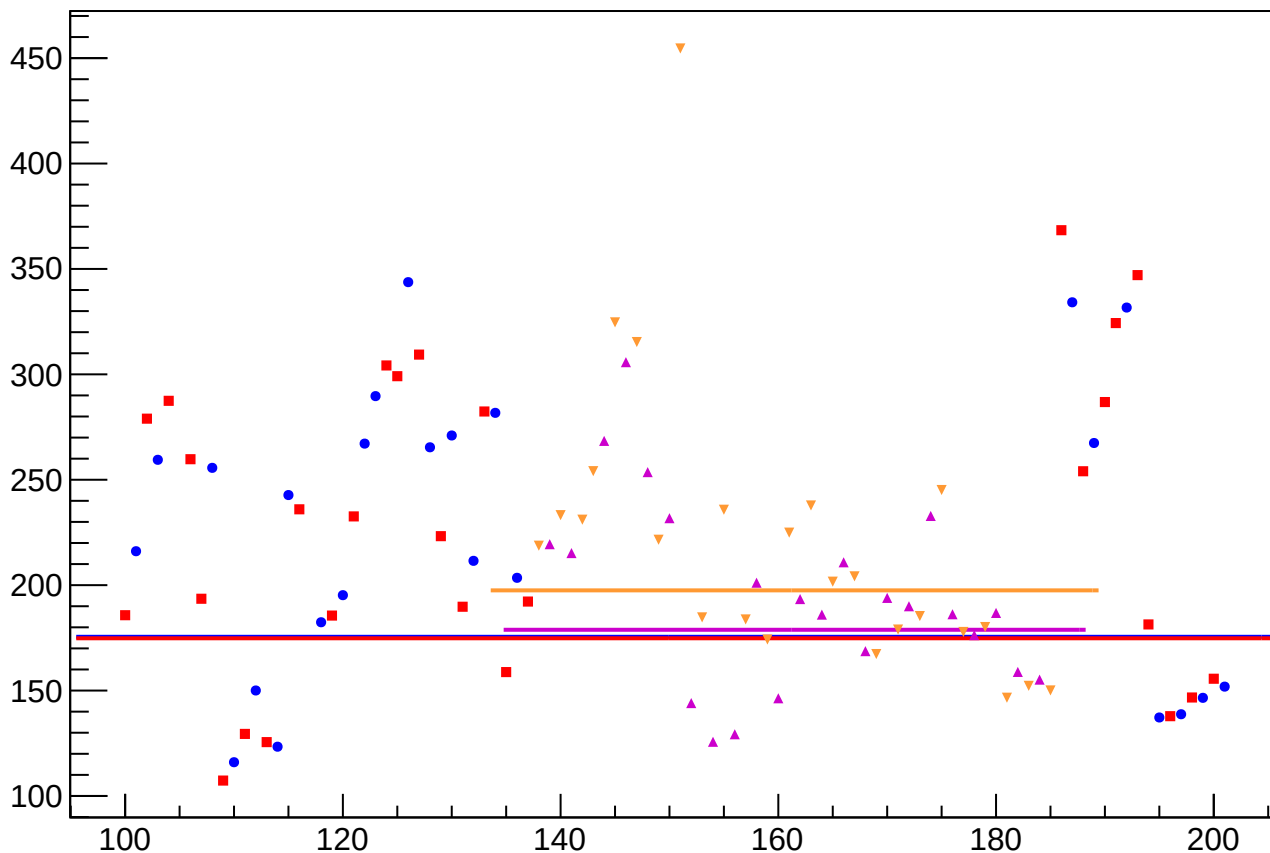
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign 8.912 ± 36.084 χ^2/NDF : 18.5/48

All: -0.081 ± 24.753 χ^2/NDF : 34.4/99

- sign -8.074 ± 34.018 χ^2/NDF : 15.8/50

asym_bcm_an_us_rms vs Slug



Right In: 175.502 $\pm$ 0.039 χ^2 /NDF: 2018722.1/23

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 174.799 $\pm$ 0.037 χ^2 /NDF: 2687383.1/27

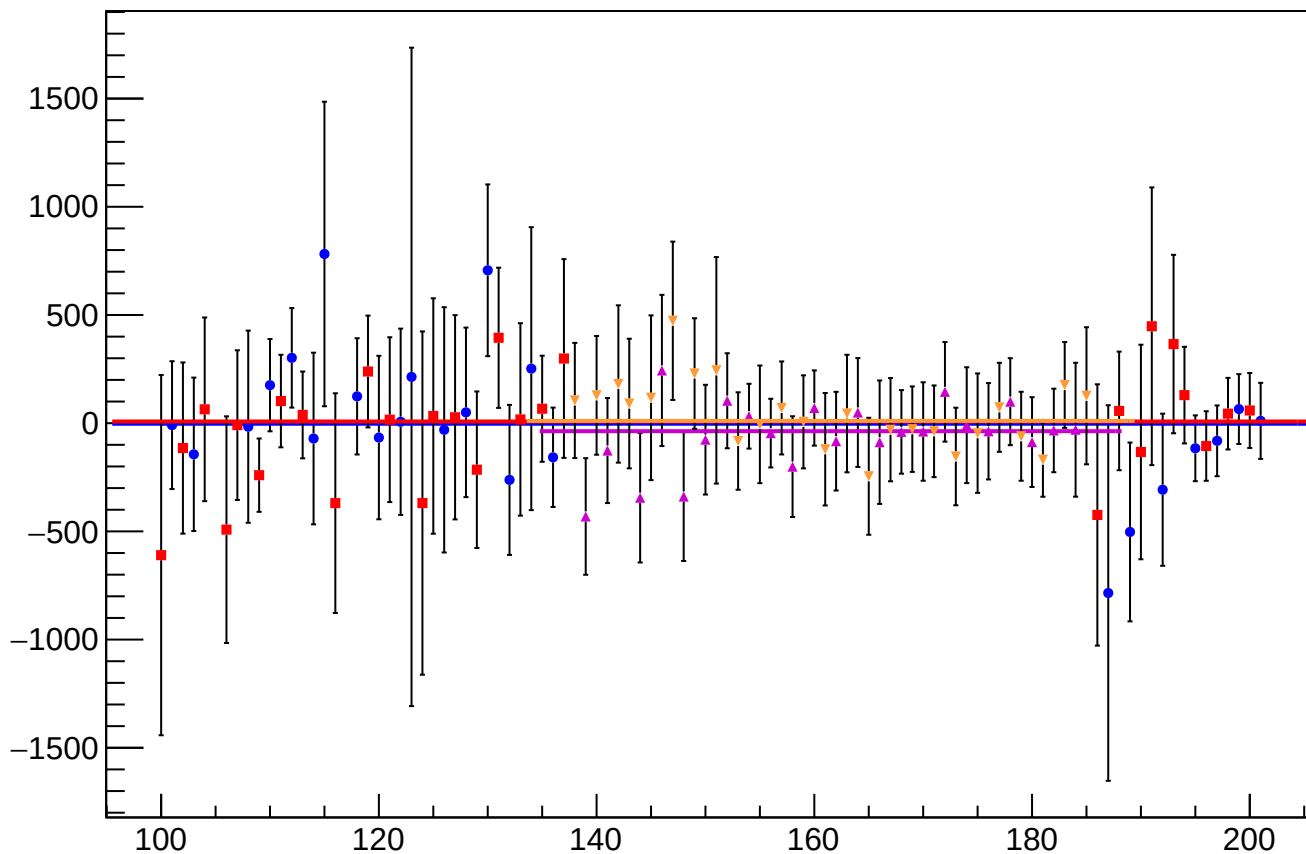
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 188.109 $\pm$ 0.026 χ^2 /NDF: 3985330.1/48

All: 182.298 $\pm$ 0.018 χ^2 /NDF: 8399833.9/99

- sign 177.132 $\pm$ 0.024 χ^2 /NDF: 4316518.4/50

asym_bcm_dg_us_mean vs Slug



Right In: -2.568 ± 56.539 χ^2/NDF : 12.5/23

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 7.833 ± 53.997 χ^2/NDF : 10.6/27

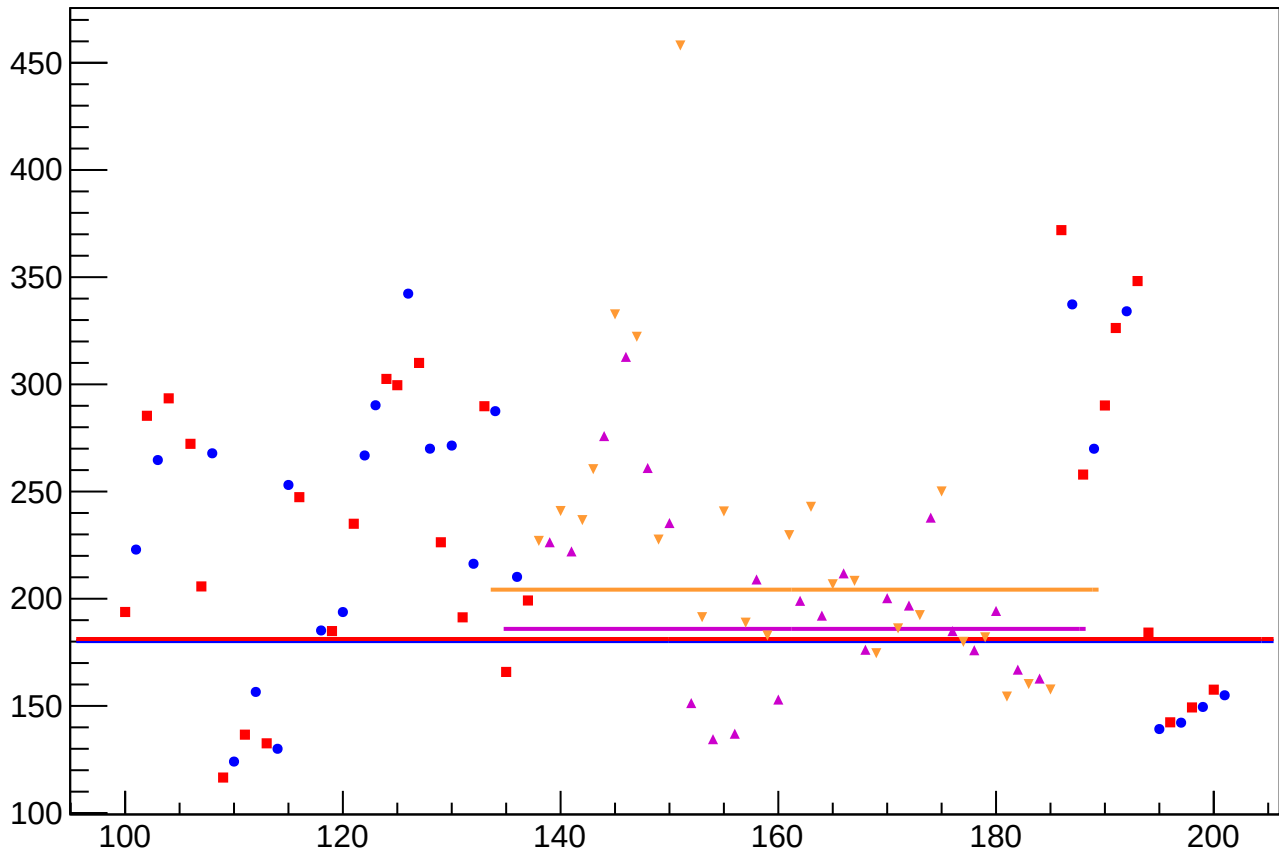
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign 4.888 ± 37.114 χ^2/NDF : 20.0/48

All: -7.157 ± 25.530 χ^2/NDF : 39.1/99

- sign -17.977 ± 35.173 χ^2/NDF : 18.8/50

asym_bcm_dg_us_rms vs Slug



Right In: 180.230 $\pm$ 0.040 χ^2 /NDF: 1936080.5/23

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF: 1675666.0/24

Right Out: 181.217 $\pm$ 0.038 χ^2 /NDF: 2485703.6/27

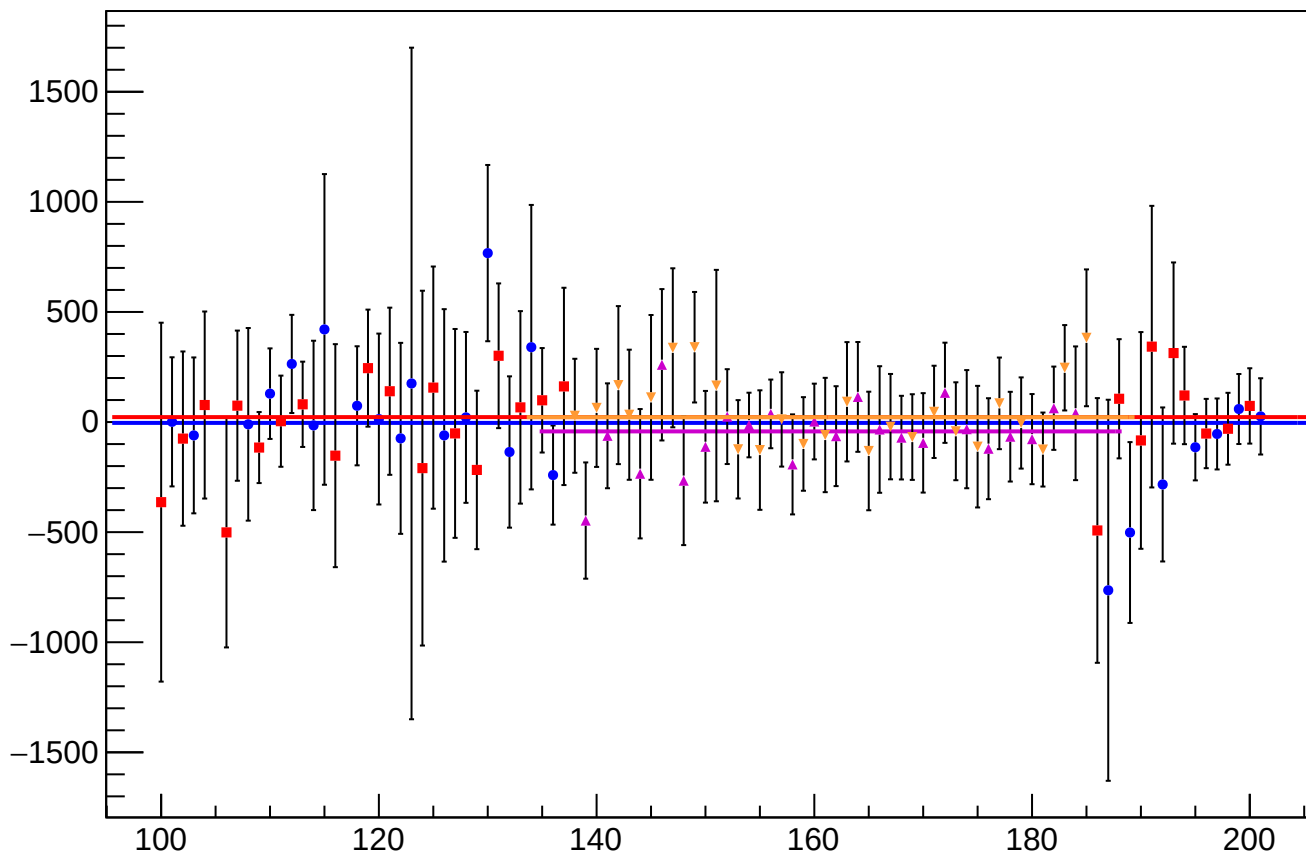
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF: 1460065.0/22

+ sign 193.892 $\pm$ 0.026 χ^2 /NDF: 3816945.6/48

All: 188.644 $\pm$ 0.018 χ^2 /NDF: 7847390.4/99

- sign 183.931 $\pm$ 0.025 χ^2 /NDF: 3954547.1/50

asym_bcm_dg_ds_mean vs Slug



Right In: -3.821 ± 55.820 χ^2/NDF : 11.3/23

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 22.445 ± 53.090 χ^2/NDF : 6.9/27

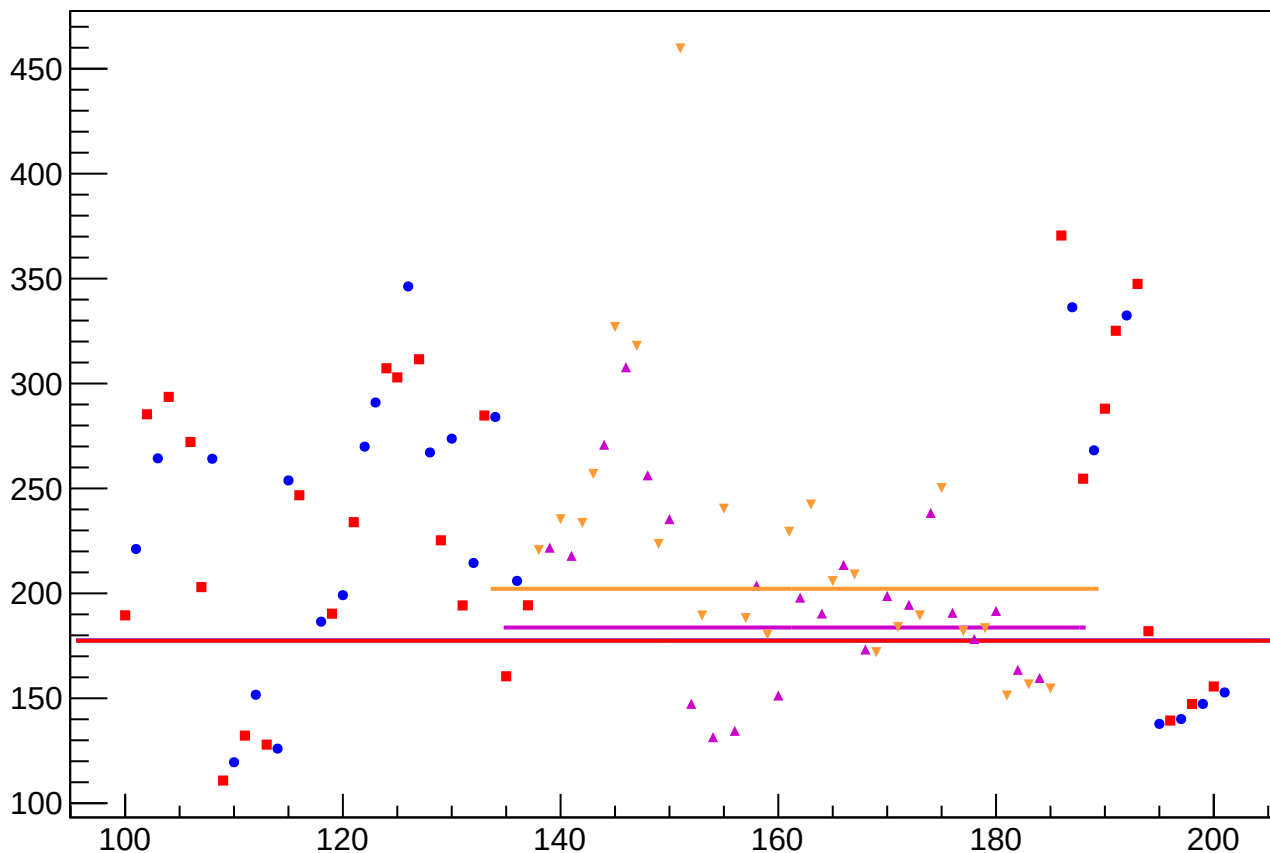
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign 10.938 ± 36.713 χ^2/NDF : 19.8/48

All: -2.610 ± 25.220 χ^2/NDF : 34.6/99

- sign -14.716 ± 34.705 χ^2/NDF : 14.5/50

asym_bcm_dg_ds_rms vs Slug



Right In: 177.574 $\pm$ 0.039 χ^2 /NDF: 2020308.1/23

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF: 1696571.9/24

Right Out: 177.431 $\pm$ 0.038 χ^2 /NDF: 2656288.5/27

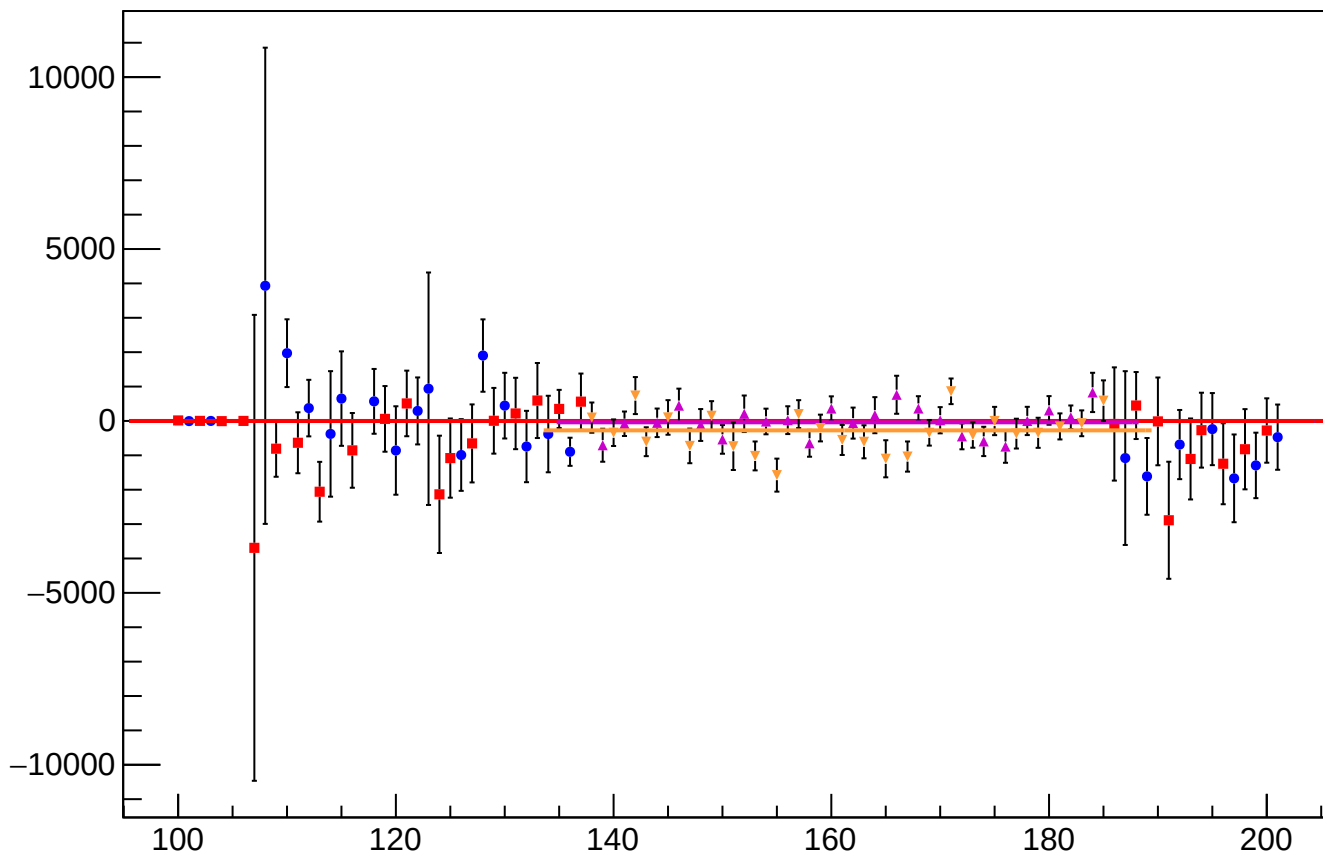
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF: 1495930.4/22

+ sign 191.539 $\pm$ 0.026 χ^2 /NDF: 3937503.7/48

All: 185.994 $\pm$ 0.018 χ^2 /NDF: 8192251.1/99

- sign 181.039 $\pm$ 0.025 χ^2 /NDF: 4168354.3/50

asym_cav4bQ_mean vs Slug



Right In: -1.556 ± 2.251 χ^2/NDF : 23.5/23

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.746 ± 2.111 χ^2/NDF : 24.0/27

Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.738 ± 2.251 χ^2/NDF : 71.6/48

All: -1.223 ± 1.540 χ^2/NDF : 116.0/99

- sign -0.769 ± 2.110 χ^2/NDF : 44.3/50

asym_cav4bQ_rms vs Slug



Right In: 2.482 $\pm$ 0.002 χ^2 /NDF: 19889112.0/23

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.464 $\pm$ 0.001 χ^2 /NDF: 22657862.2/27

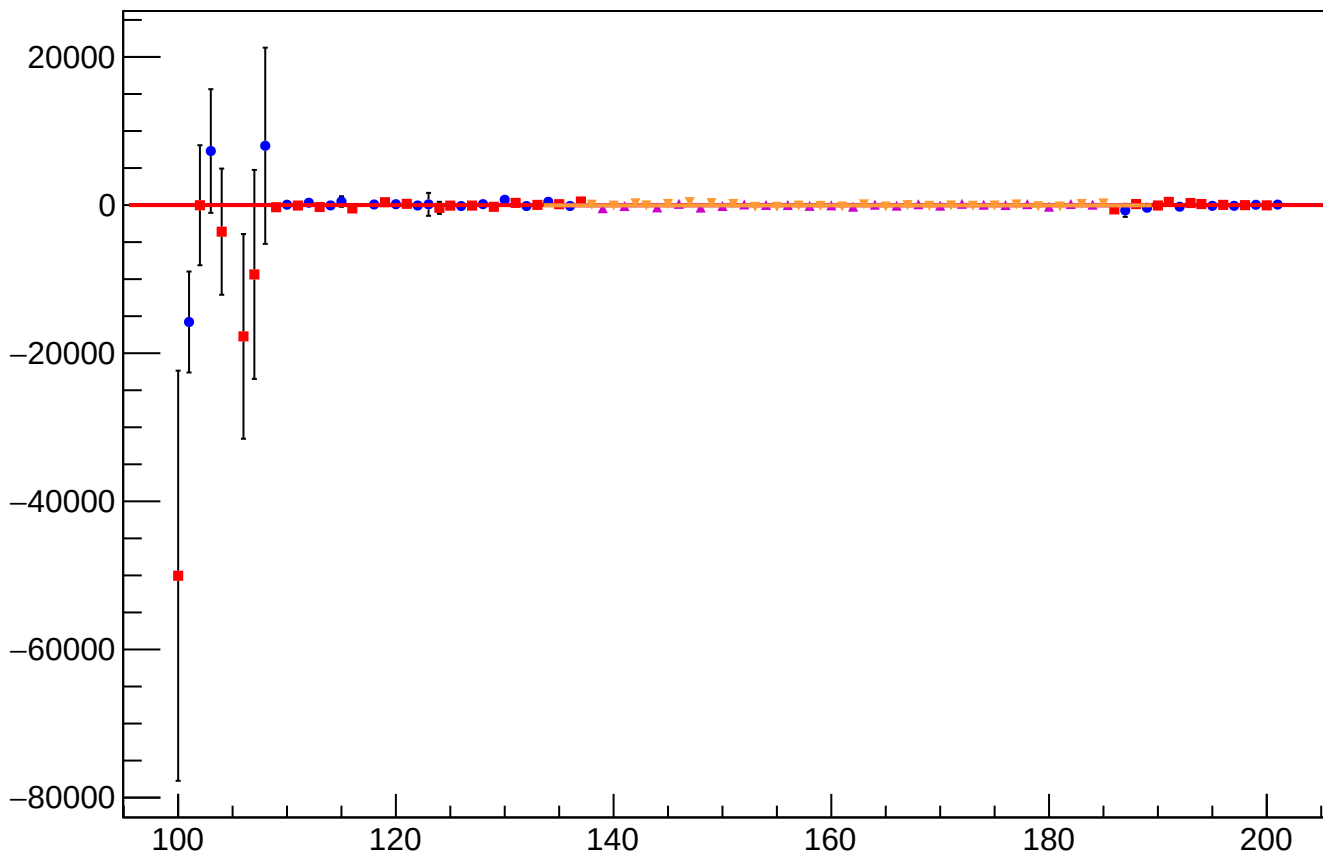
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.727 $\pm$ 0.002 χ^2 /NDF: 55994419.2/48

All: 2.698 $\pm$ 0.001 χ^2 /NDF: 112578121.1/99

- sign 2.672 $\pm$ 0.001 χ^2 /NDF: 56583064.2/50

asym_cav4cQ_mean vs Slug



Right In: 13.819+/-61.659 χ^2/NDF : 15.8/23

Left Out: -39.036+/-49.576 χ^2/NDF : 9.1/24

Right Out: -3.139+/-59.849 χ^2/NDF : 16.8/27

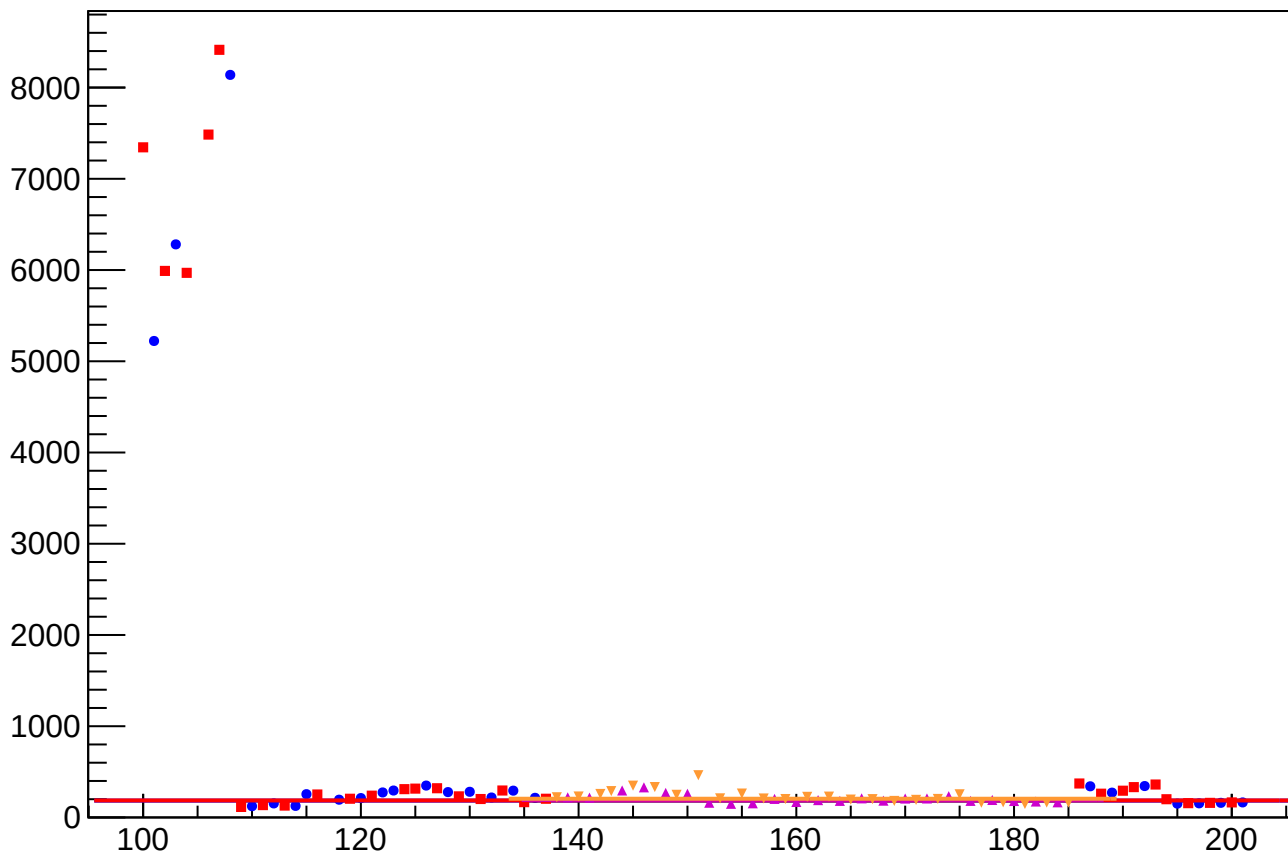
Left In: -28.062+/-48.032 χ^2/NDF : 9.6/22

+ sign -18.282+/-38.636 χ^2/NDF : 25.4/48

All: -18.290+/-26.894 χ^2/NDF : 51.9/99

- sign -18.298+/-37.460 χ^2/NDF : 26.5/50

asym_cav4cQ_rms vs Slug



Right In: 184.306+/-0.044 χ^2/NDF : 4479994.8/23

Left Out: 205.114+/-0.035 χ^2/NDF :1957484.4/24

Right Out: 186.568+/-0.042 χ^2/NDF : 5321402.2/27

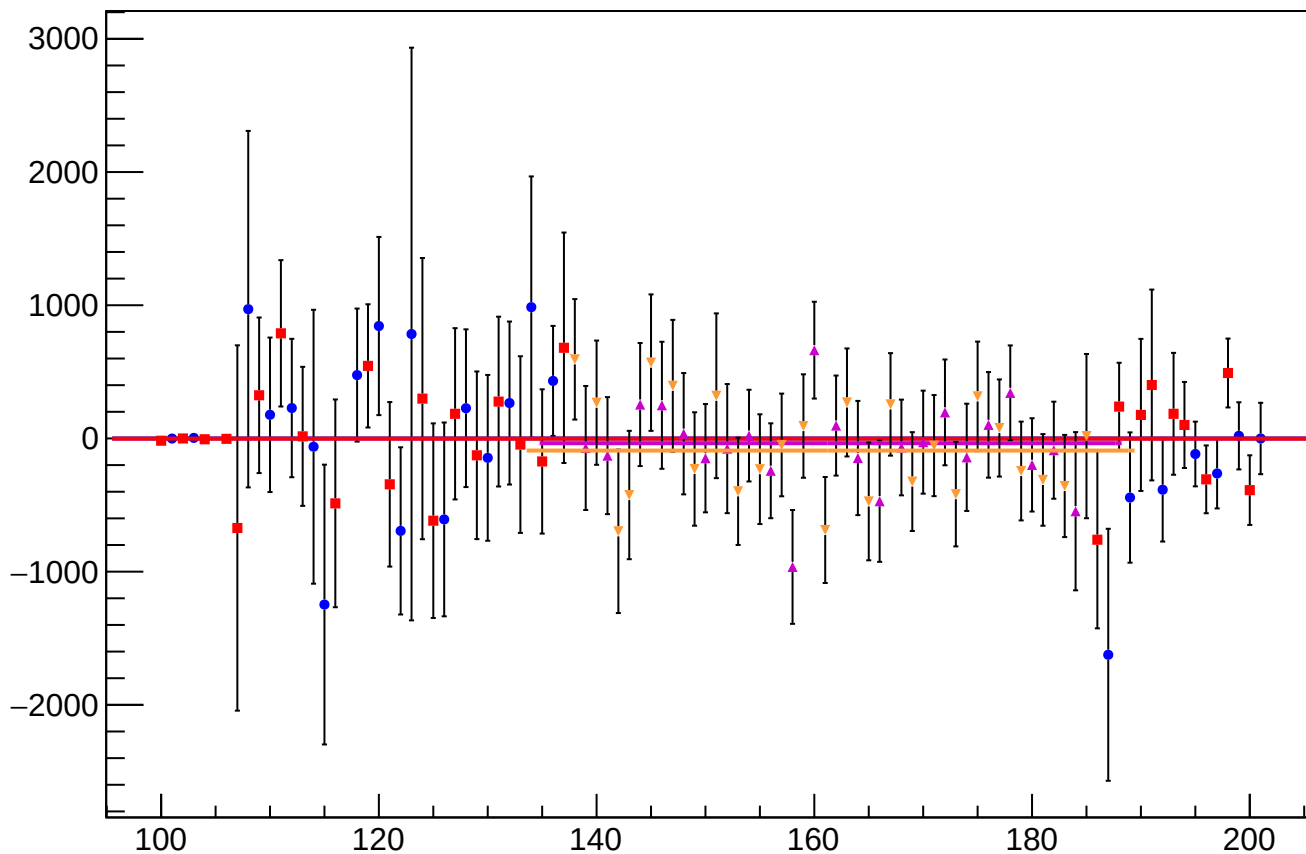
Left In: 193.616+/-0.034 χ^2/NDF :1179471.1/22

+ sign 196.944+/-0.027 χ^2/NDF : 6575818.0/48

All: 193.805+/-0.019 χ^2/NDF : 13119161.9/99

- sign 190.855+/-0.026 χ^2/NDF : 6517742.3/50

asym_cav4dQ_mean vs Slug



Right In: -0.176 ± 1.736 χ^2/NDF : 16.1/23

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.321 ± 1.622 χ^2/NDF : 19.0/27

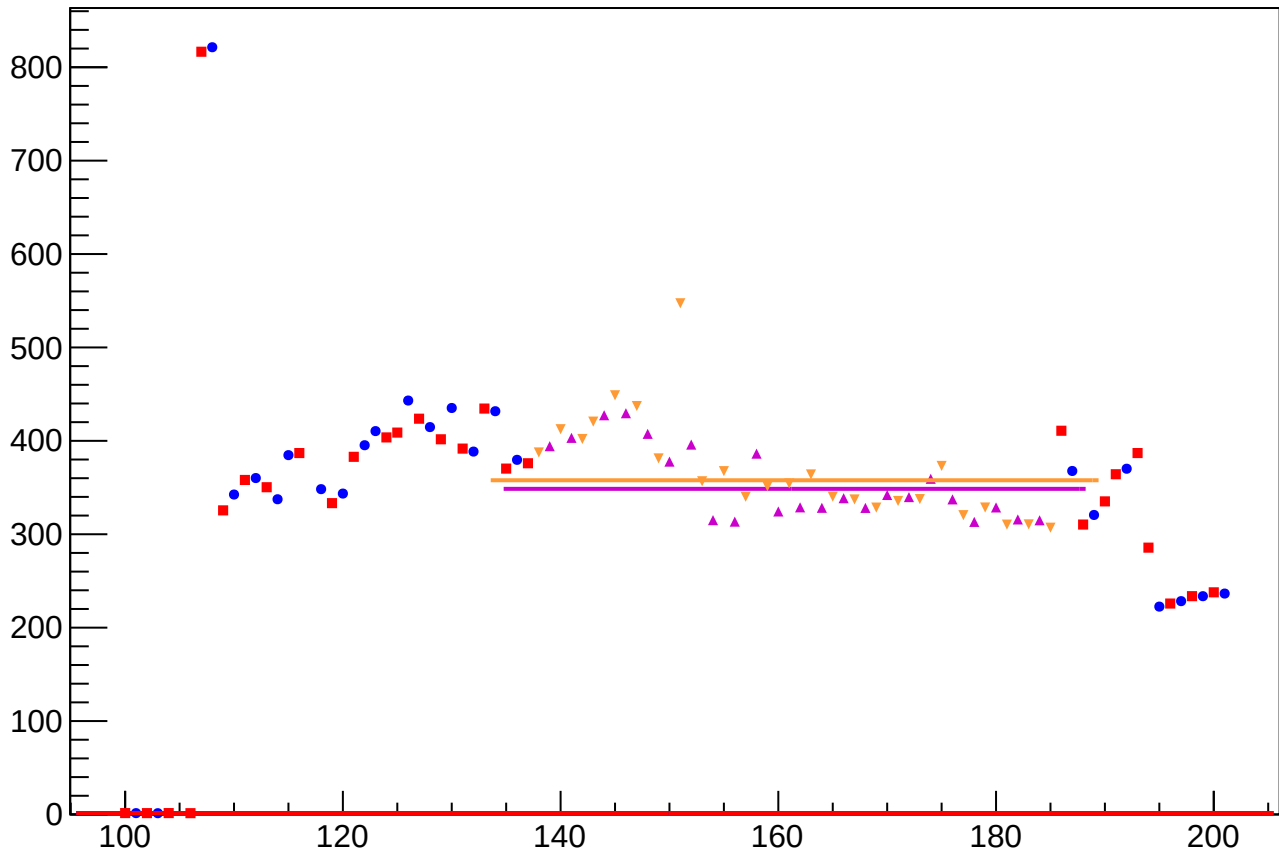
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.215 ± 1.736 χ^2/NDF : 33.7/48

All: -0.812 ± 1.185 χ^2/NDF : 66.6/99

- sign -1.334 ± 1.622 χ^2/NDF : 32.6/50

asym_cav4dQ_rms vs Slug



Right In: 1.507+/-0.001 χ^2/NDF : 20105066.4/23

Left Out: 357.804+/-0.059 χ^2/NDF : 547036.5/24

Right Out: 1.505+/-0.001 χ^2/NDF : 22317581.1/27

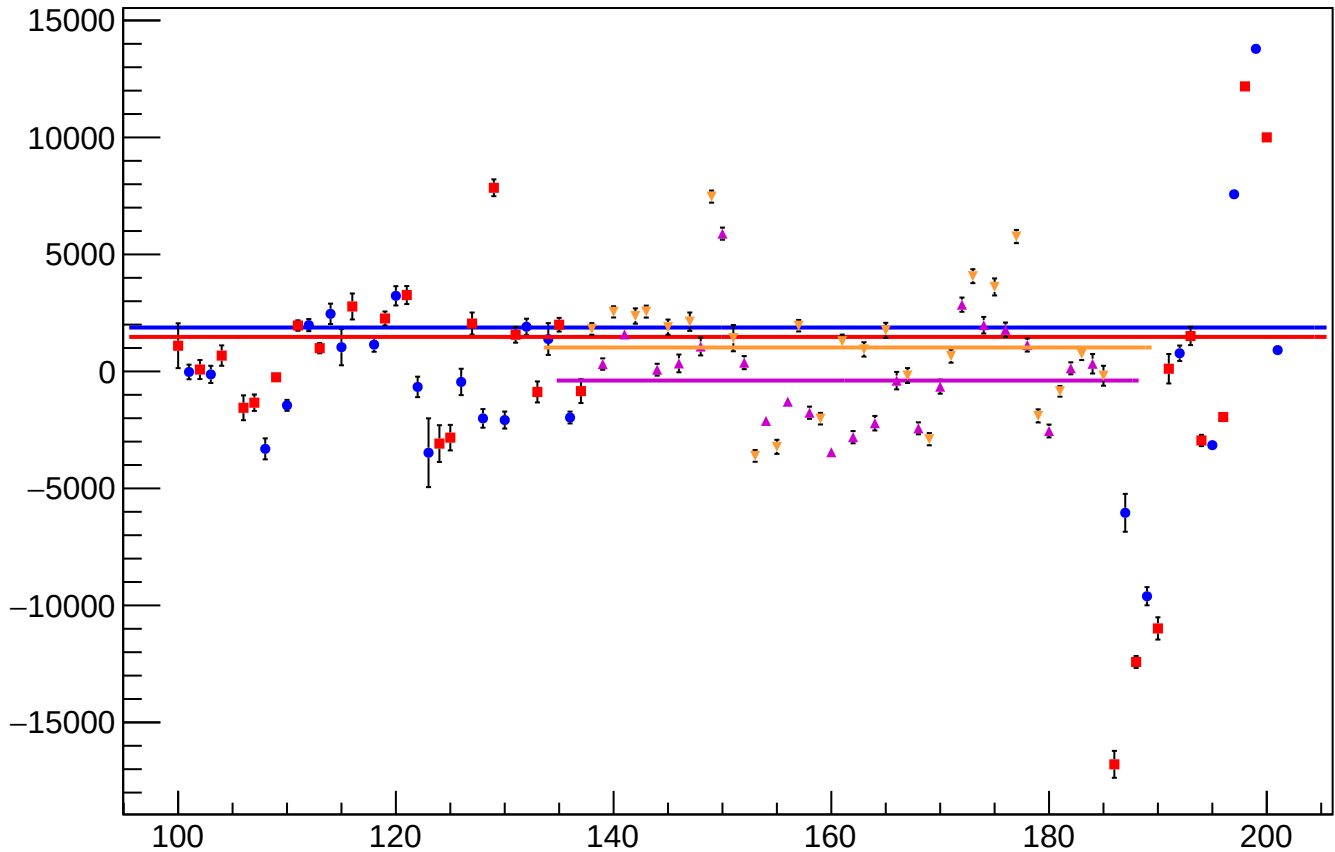
Left In: 348.611+/-0.060 χ^2/NDF : 362511.2/22

+ sign 1.659+/-0.001 χ^2/NDF : 56552538.8/48

All: 1.645+/-0.001 χ^2/NDF : 113062009.4/99

- sign 1.633+/-0.001 χ^2/NDF : 56509239.3/50

asym_bcm0l02_mean vs Slug



Right In: 1876.296 $\pm$ 61.370 χ^2 /NDF: 8121.8/23

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF:2309.4/24

Right Out: 1474.342 $\pm$ 57.714 χ^2 /NDF: 11628.2/27

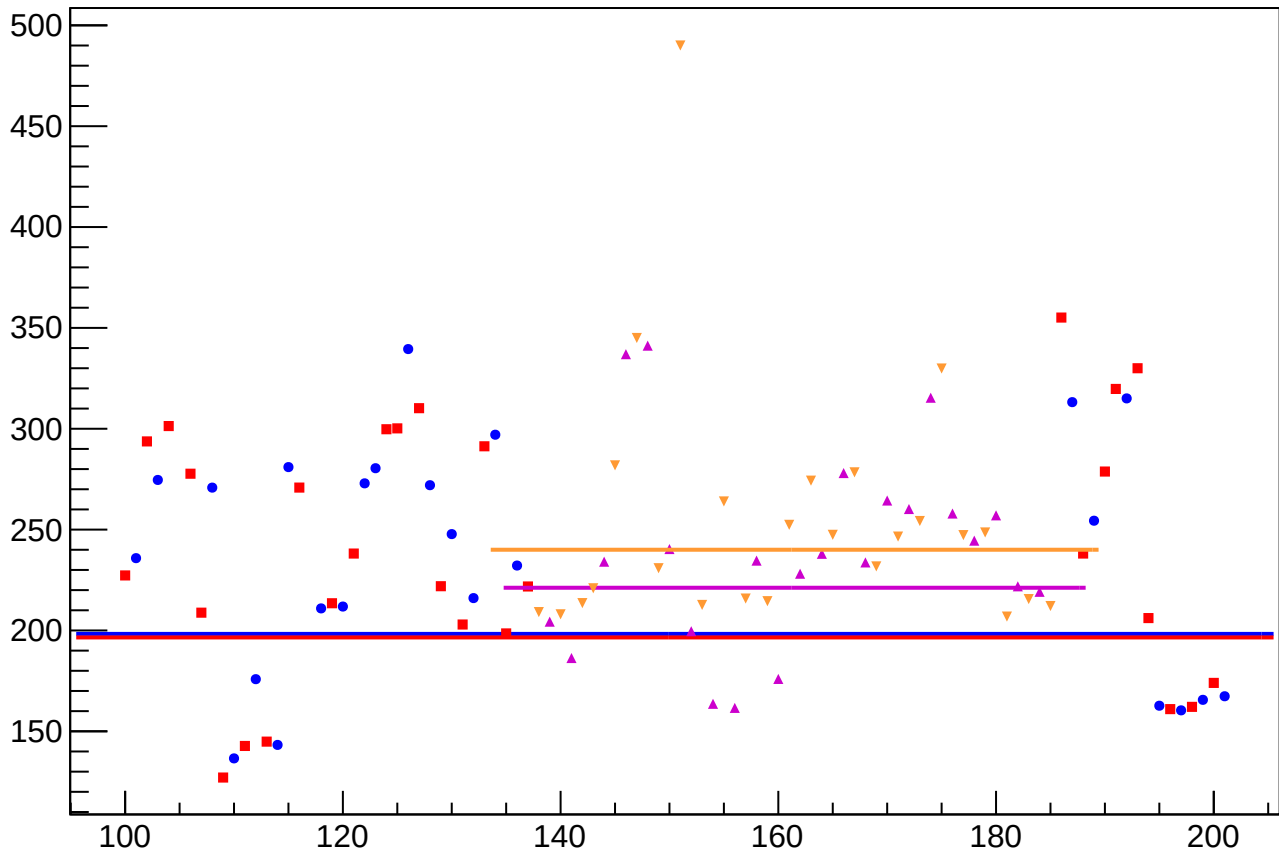
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF:1584.9/22

+ sign 1420.934 $\pm$ 41.897 χ^2 /NDF: 10534.3/48

All: 934.632 $\pm$ 28.852 χ^2 /NDF: 24551.3/99

- sign 496.023 $\pm$ 39.790 χ^2 /NDF: 13760.8/50

asym_bcm0l02_rms vs Slug



Right In: 198.296 ± 0.043 χ^2/NDF : 1375054.1/23

Left Out: 240.019 ± 0.041 χ^2/NDF : 1002427.9/24

Right Out: 196.533 ± 0.041 χ^2/NDF : 1945583.1/27

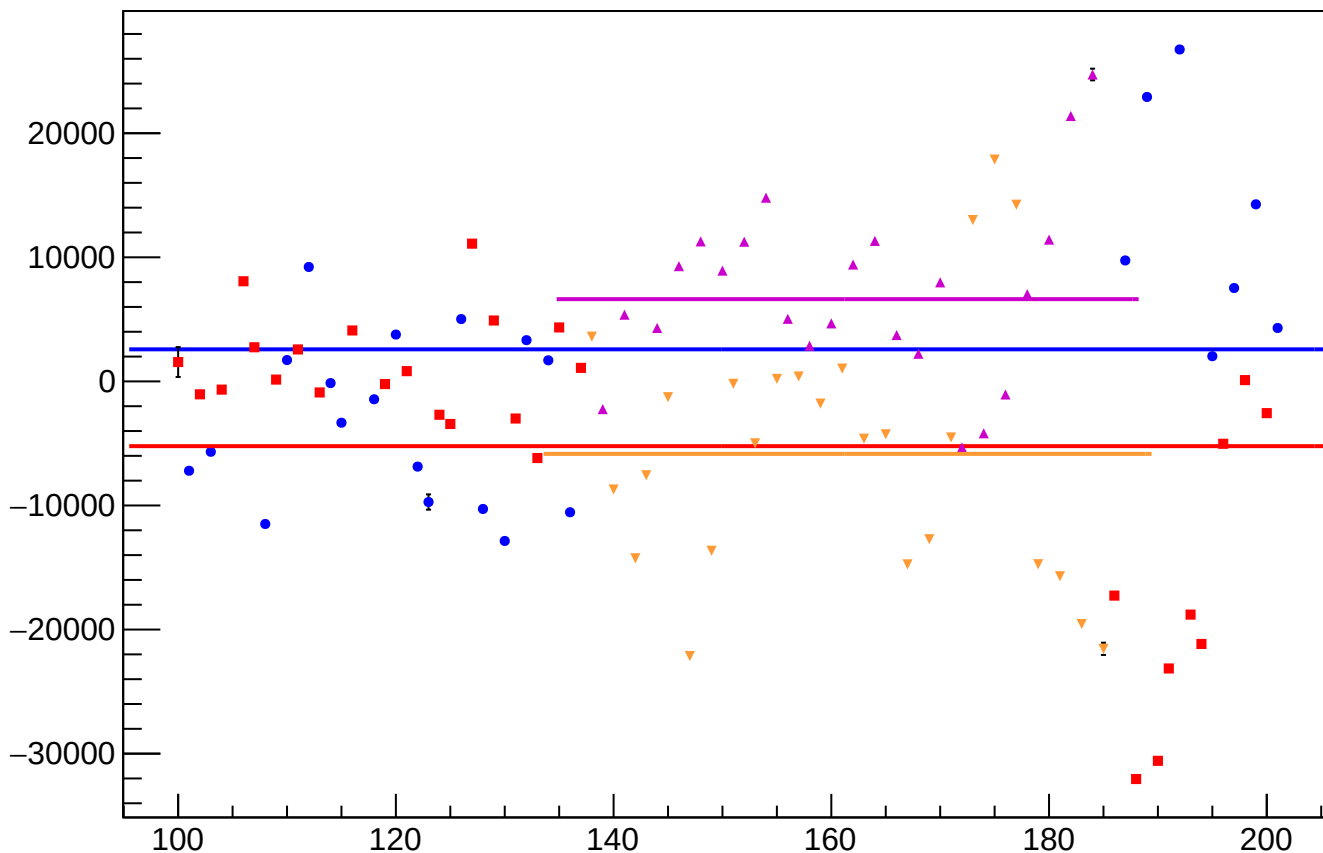
Left In: 221.173 ± 0.039 χ^2/NDF : 1342517.8/22

+ sign 220.573 ± 0.030 χ^2/NDF : 2871049.2/48

All: 214.731 ± 0.020 χ^2/NDF : 6424387.1/99

- sign 209.461 ± 0.028 χ^2/NDF : 3479367.8/50

asym_bpm2i01WS_mean vs Slug



Right In: 2583.208+/-39.113 χ^2/NDF : 77248.4/23

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -5218.959+/-36.335 χ^2/NDF : 101288.4/27

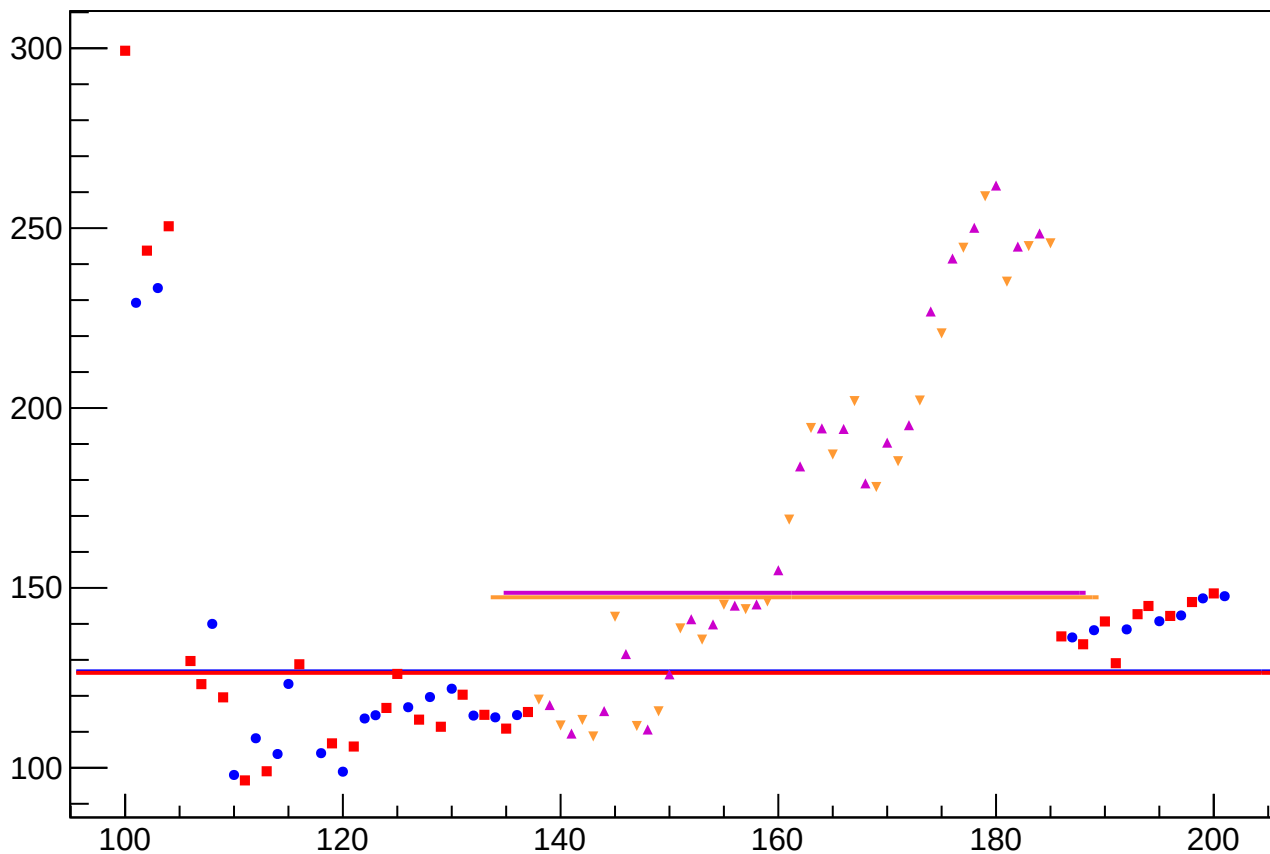
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -1995.549+/-26.427 χ^2/NDF : 165860.5/48

All: -690.003+/-18.527 χ^2/NDF : 345650.1/99

- sign 571.656+/-25.979 χ^2/NDF : 174990.7/50

asym_bpm2i01WS_rms vs Slug



Right In: 126.803+/-0.028 χ^2/NDF : 816529.2/23

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 126.403+/-0.026 χ^2/NDF : 922805.7/27

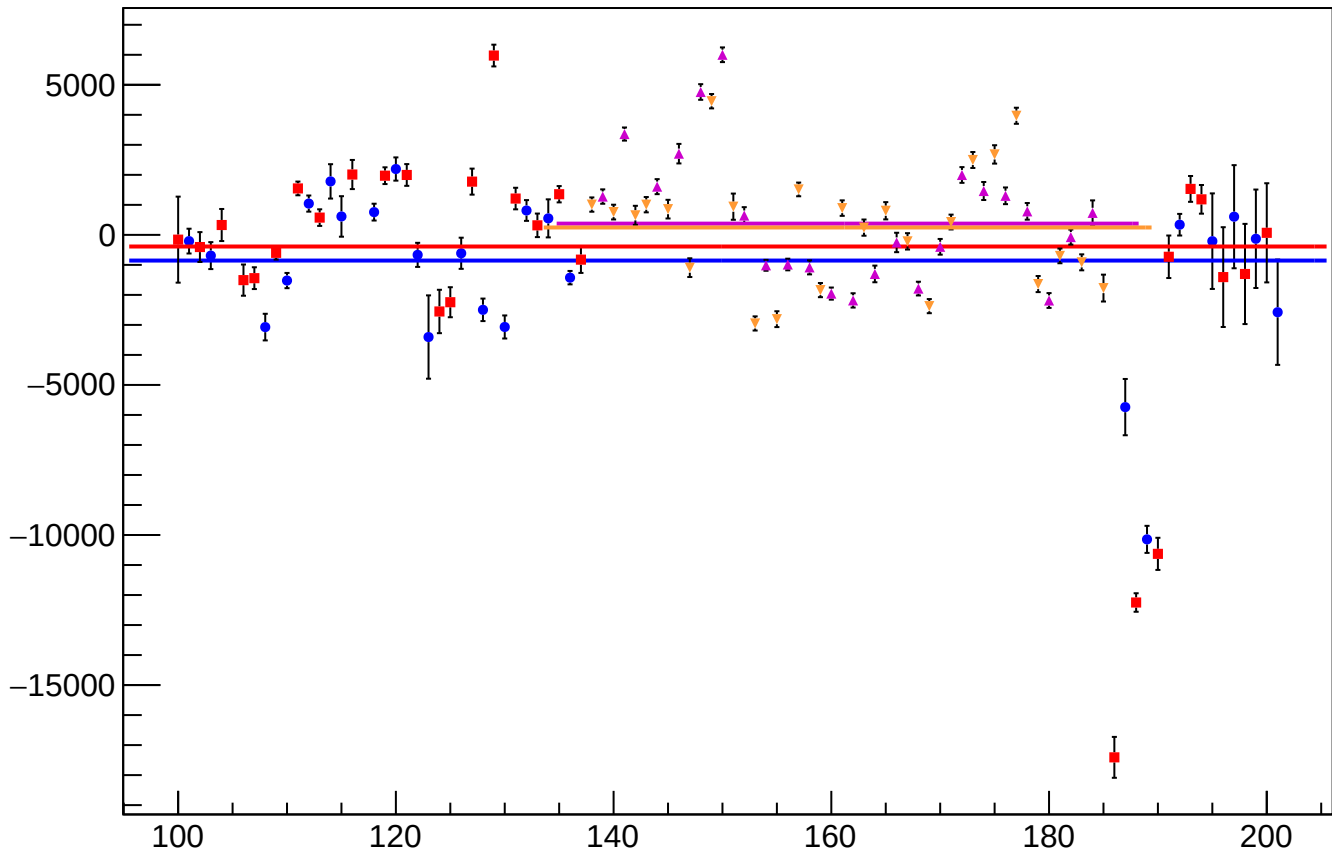
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 137.995+/-0.019 χ^2/NDF : 3634949.3/48

All: 137.628+/-0.013 χ^2/NDF : 7340267.7/99

- sign 137.273+/-0.018 χ^2/NDF : 3704558.7/50

asym_bpm0i07WS_mean vs Slug



Right In: -855.807 ± 84.424 χ^2/NDF : 761.4/23

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -387.523 ± 75.208 χ^2/NDF : 3160.8/27

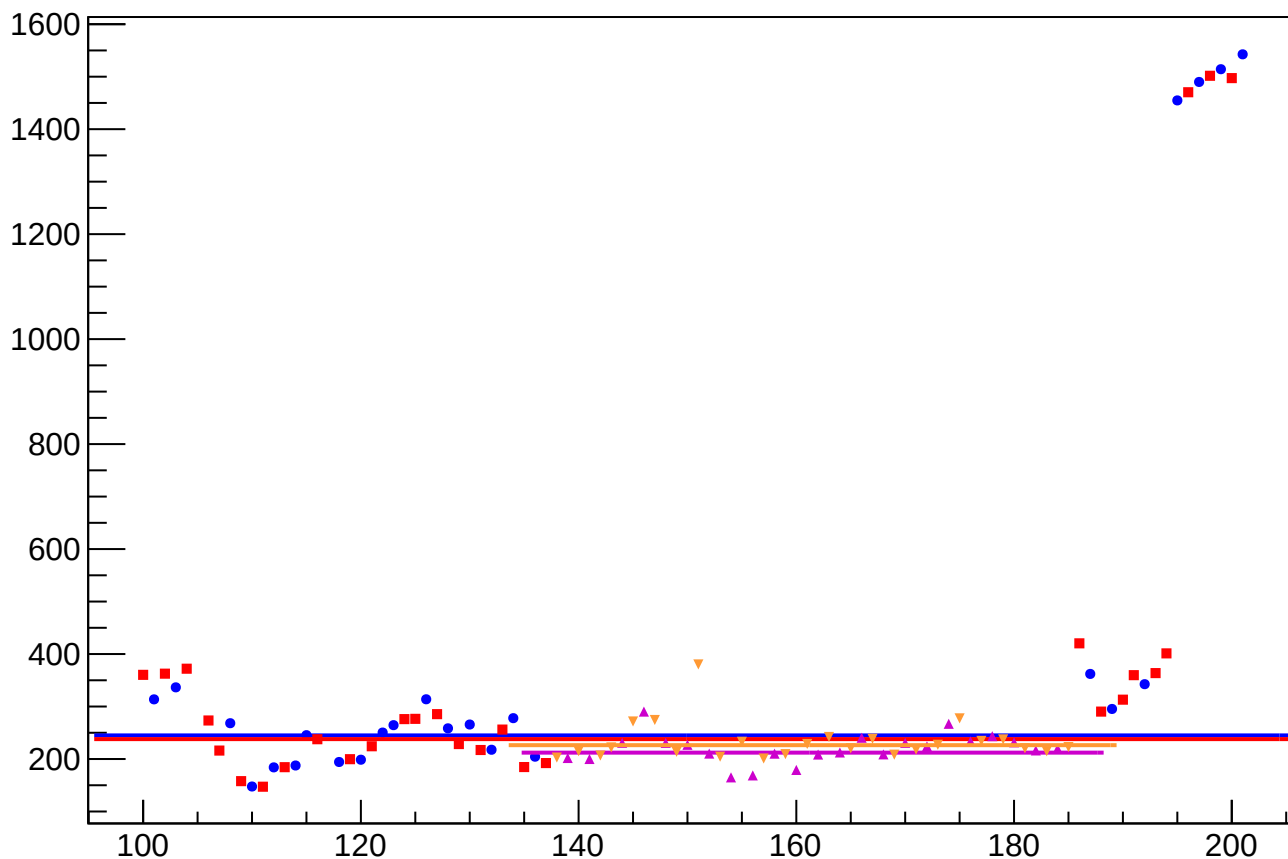
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -69.537 ± 45.185 χ^2/NDF : 2237.8/48

All: 35.156 ± 31.039 χ^2/NDF : 7276.6/99

- sign 128.701 ± 42.712 χ^2/NDF : 5028.7/50

asym_bpm0i07WS_rms vs Slug



Right In: 244.965 $\pm$ 0.060 χ^2 /NDF: 5482817.8/23

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 237.908 $\pm$ 0.053 χ^2 /NDF: 5231567.0/27

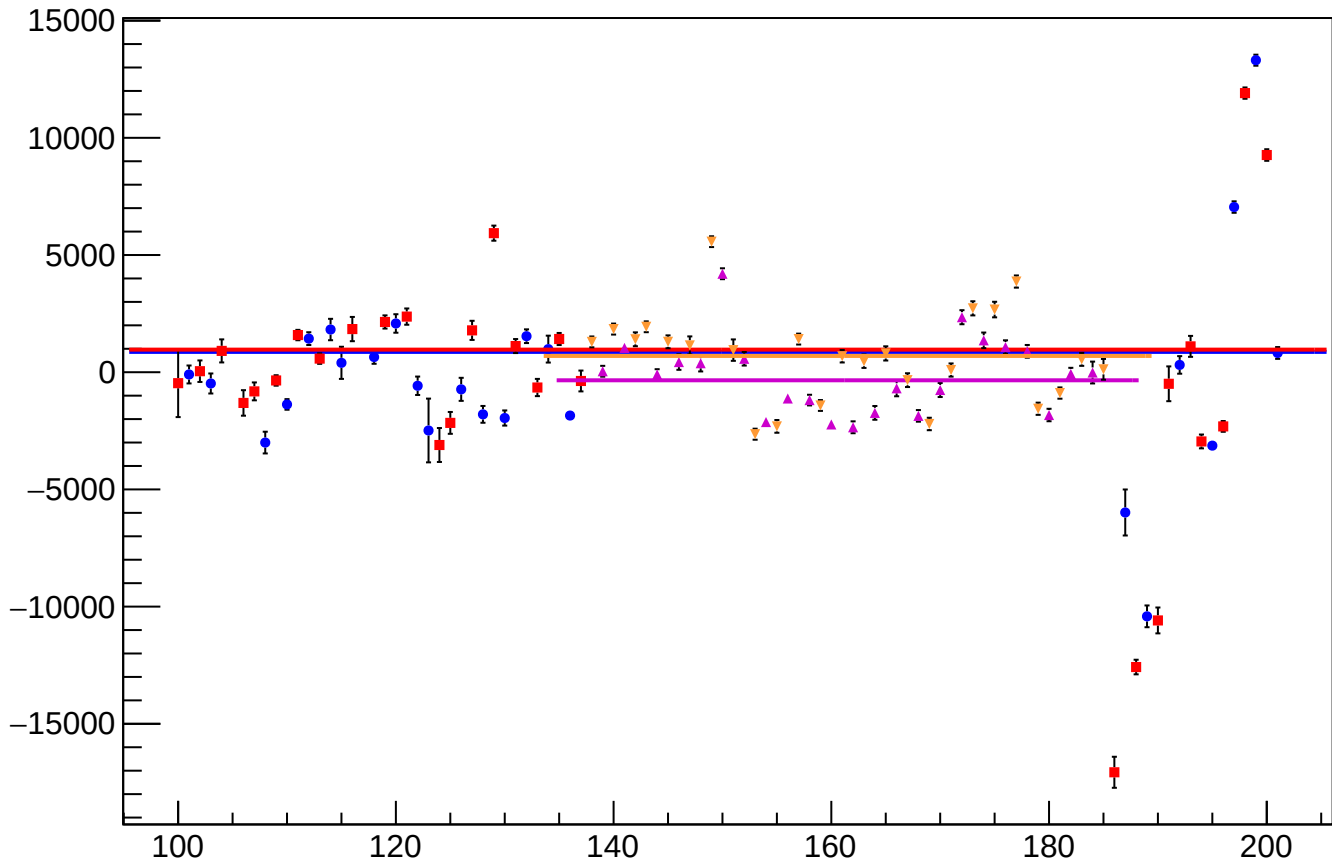
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 231.701 $\pm$ 0.032 χ^2 /NDF: 6073778.6/48

All: 225.761 $\pm$ 0.022 χ^2 /NDF: 12121475.0/99

- sign 220.454 $\pm$ 0.030 χ^2 /NDF: 5982264.8/50

asym_bpm0l01WS_mean vs Slug



Right In: 867.582 ± 66.592 χ^2/NDF : 4952.7/23

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: 963.655 ± 62.958 χ^2/NDF : 7111.4/27

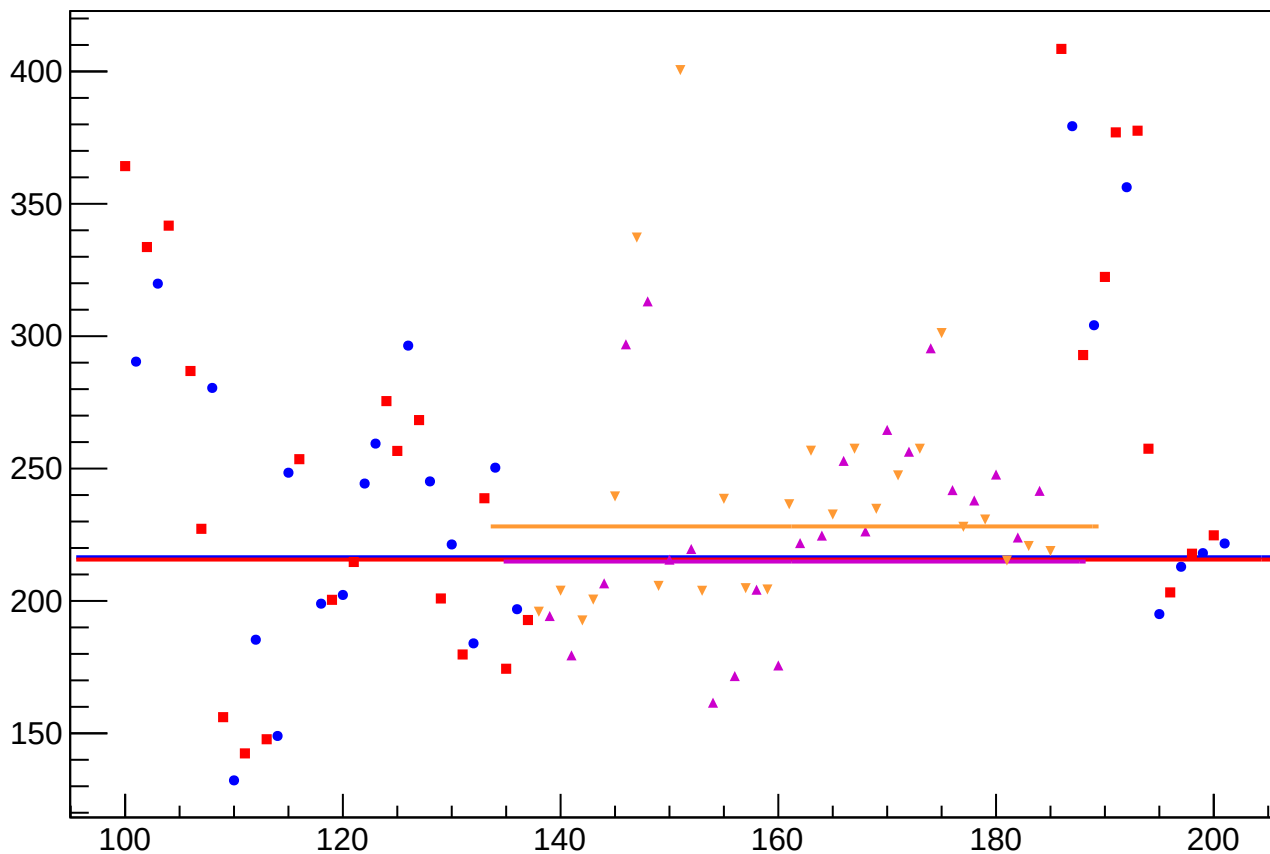
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 763.436 ± 42.058 χ^2/NDF : 6378.9/48

All: 469.951 ± 29.182 χ^2/NDF : 14822.1/99

- sign 197.469 ± 40.525 χ^2/NDF : 8349.3/50

asym_bpm0l01WS_rms vs Slug



Right In: 216.499 $\pm$ 0.047 χ^2 /NDF: 1143808.7/23

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF:828399.3/24

Right Out: 215.630 $\pm$ 0.045 χ^2 /NDF: 1816518.0/27

Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 223.499 $\pm$ 0.030 χ^2 /NDF: 2008968.3/48

All: 219.190 $\pm$ 0.021 χ^2 /NDF: 4903644.0/99

- sign 215.190 $\pm$ 0.029 χ^2 /NDF: 2854194.6/50

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

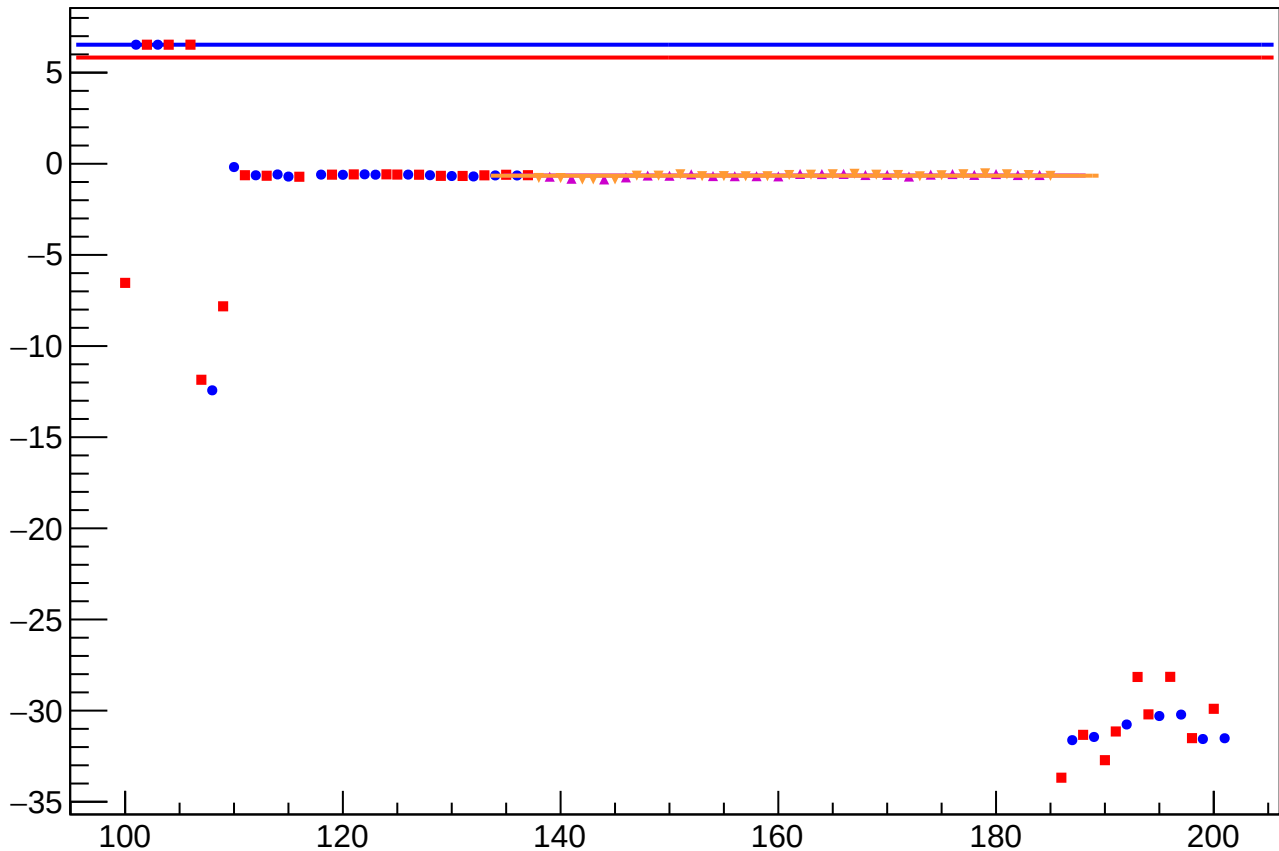
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 127909937043.8/23

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962297384310.6/27

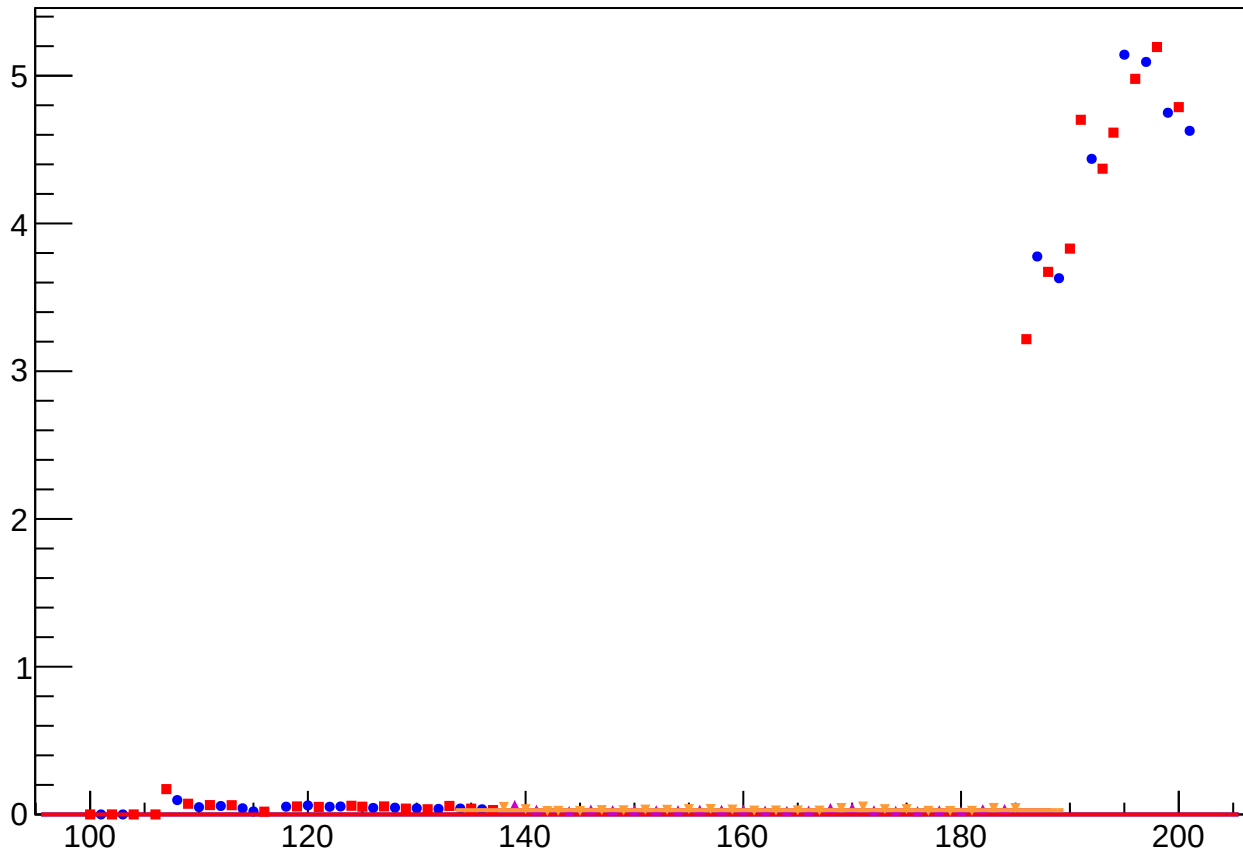
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001749435134.2/48

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762760316717

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640760519237.4/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18046545.7/23

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20763011.0/27

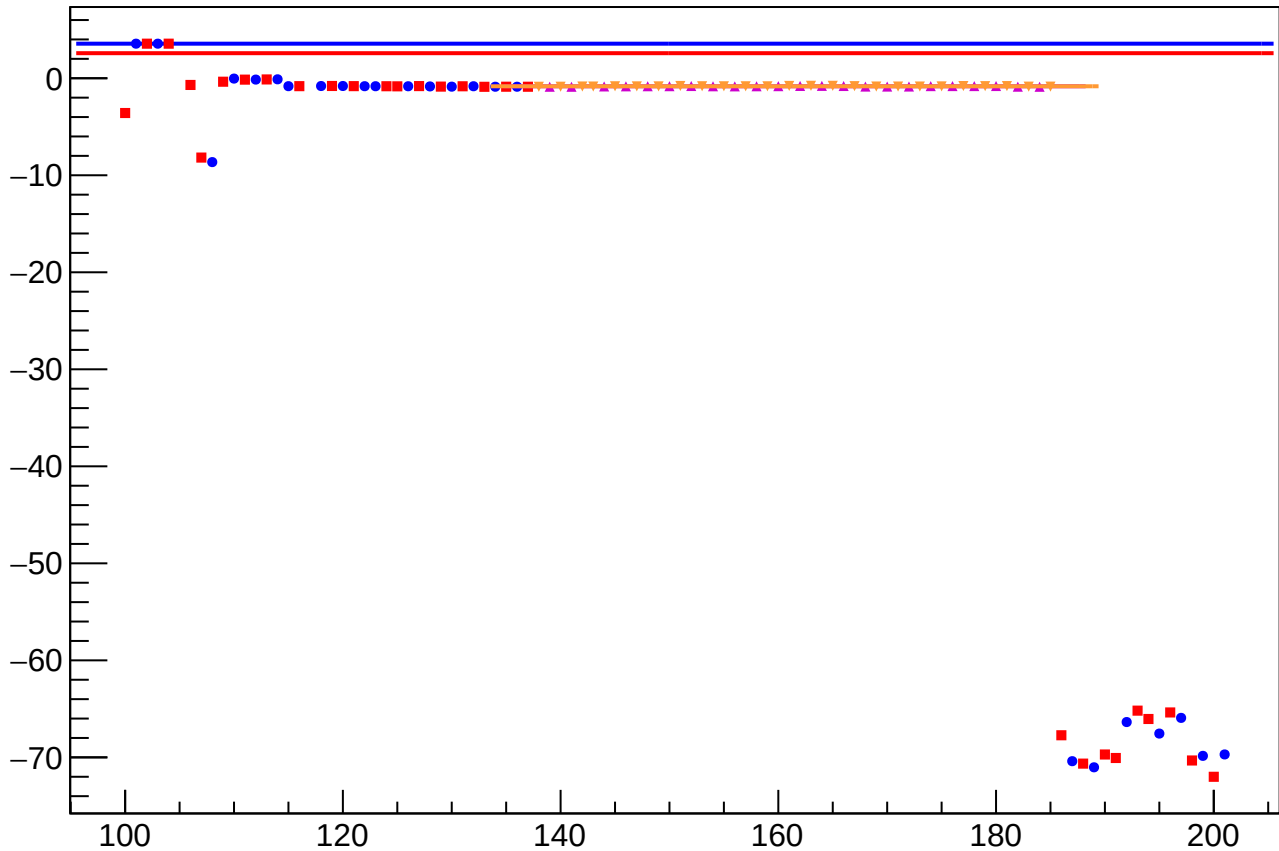
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 48010300.7/48

All: 0.000+/-0.000 χ^2/NDF : 96955819.3/99

- sign 0.000+/-0.000 χ^2/NDF : 48944850.2/50

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 496589994136.5/23

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253522413605559.8/27

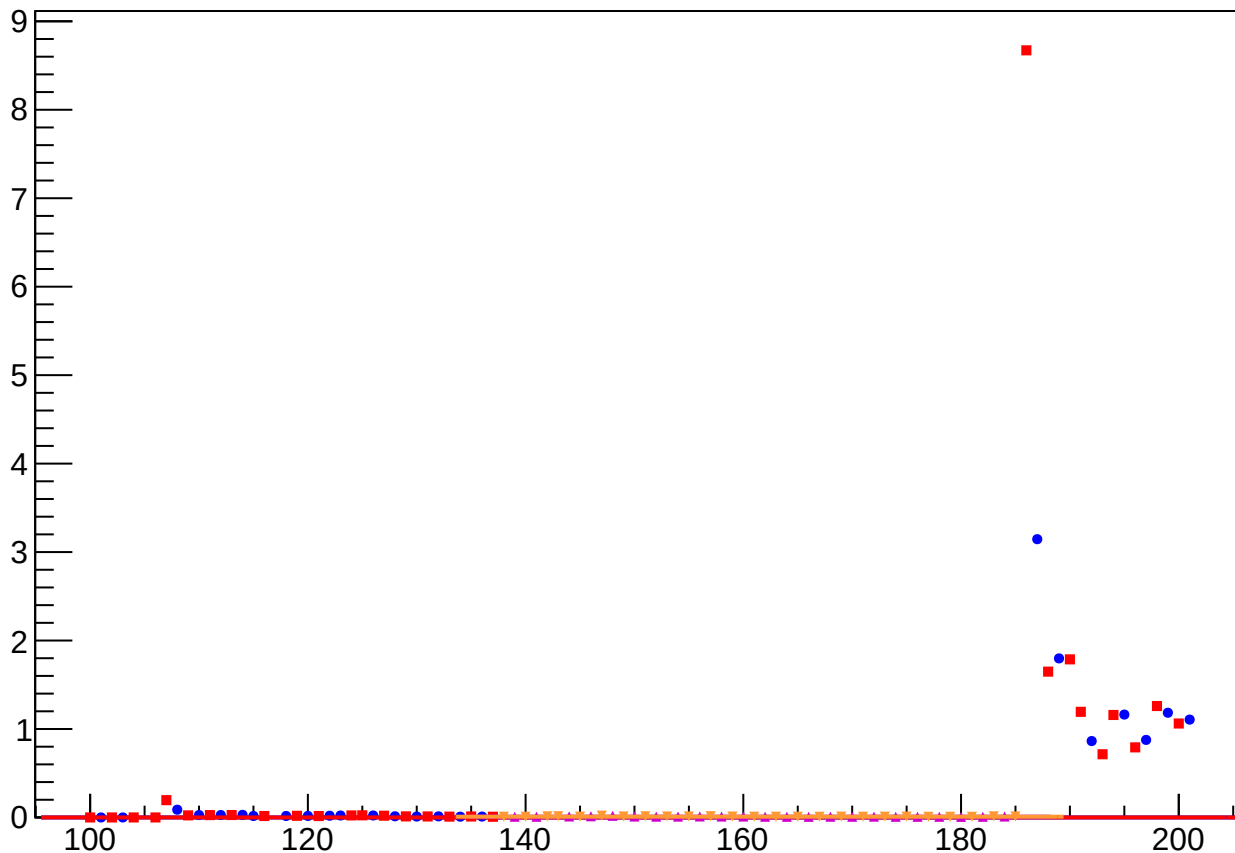
Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560+/-0.000 χ^2/NDF : 4193037612963.8/48

All: 3.038+/-0.000 χ^2/NDF : 13880147021509

- sign 2.581+/-0.000 χ^2/NDF : 1255743507534374.2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 17090911.6/23

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19659270.1/27

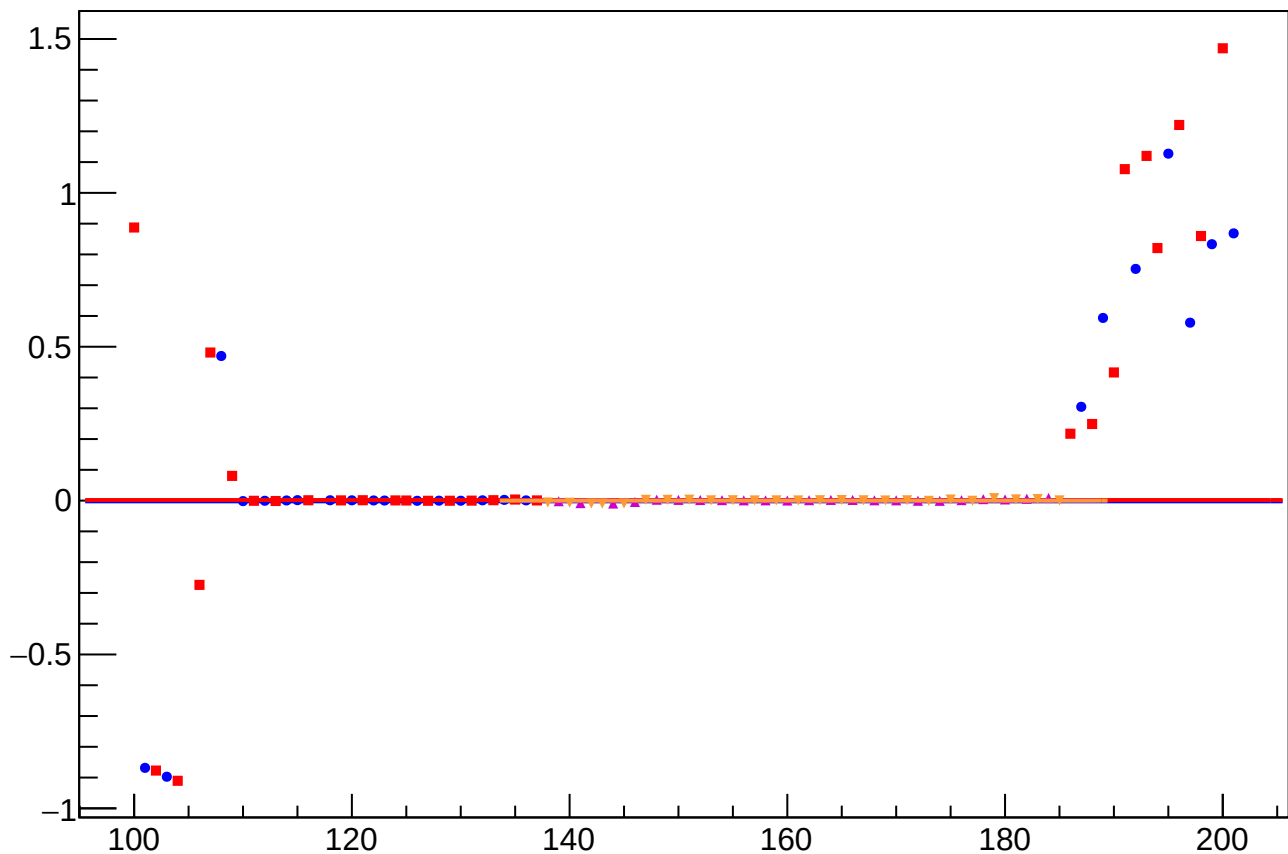
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 48599276.6/48

All: 0.000+/-0.000 χ^2/NDF : 98066253.7/99

- sign 0.000+/-0.000 χ^2/NDF : 49465899.6/50

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9795891611.1/23$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151559332.0/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3043015859.7/27$

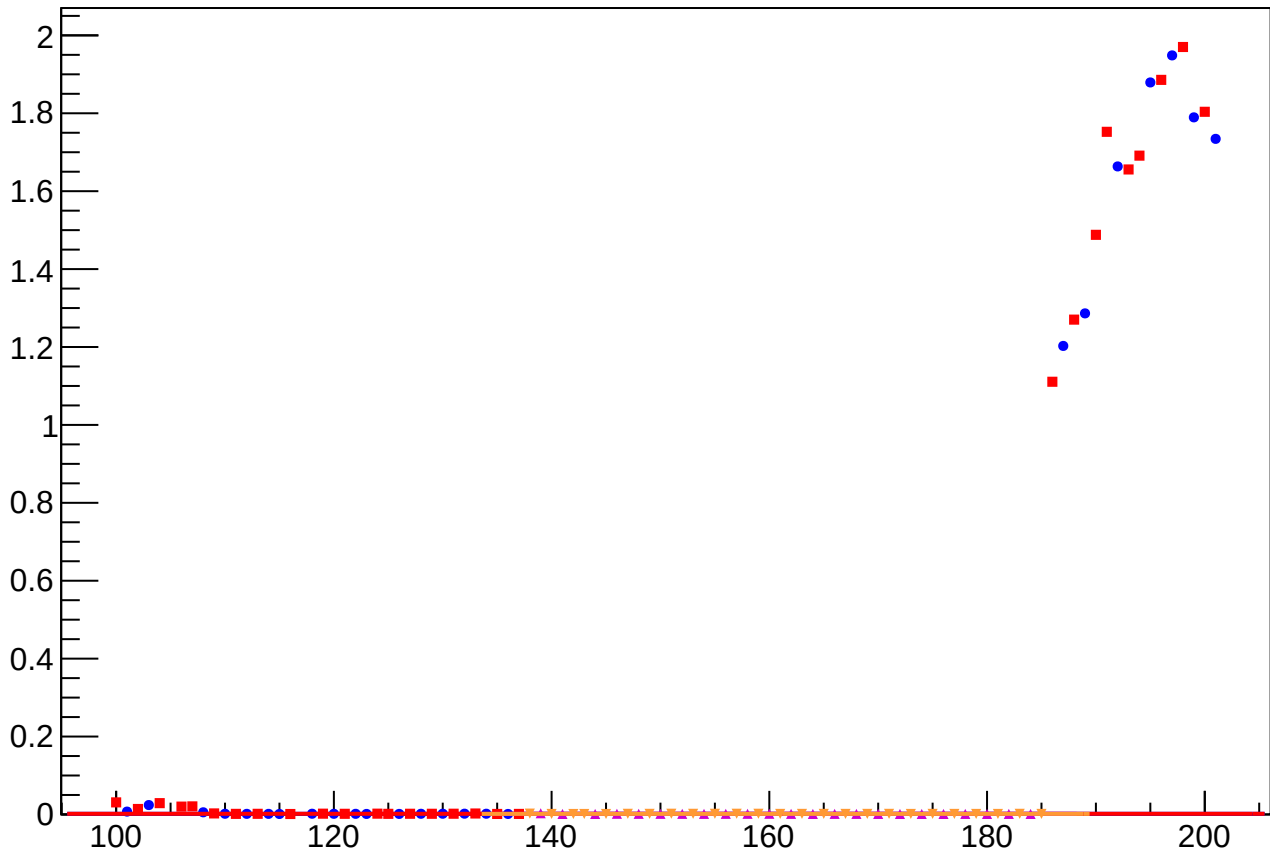
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101468517.6/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9954411989.9/48$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13108425382.7/50$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3146461858.1/50$

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 11080671.9/23

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539040.4/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 14437222.0/27

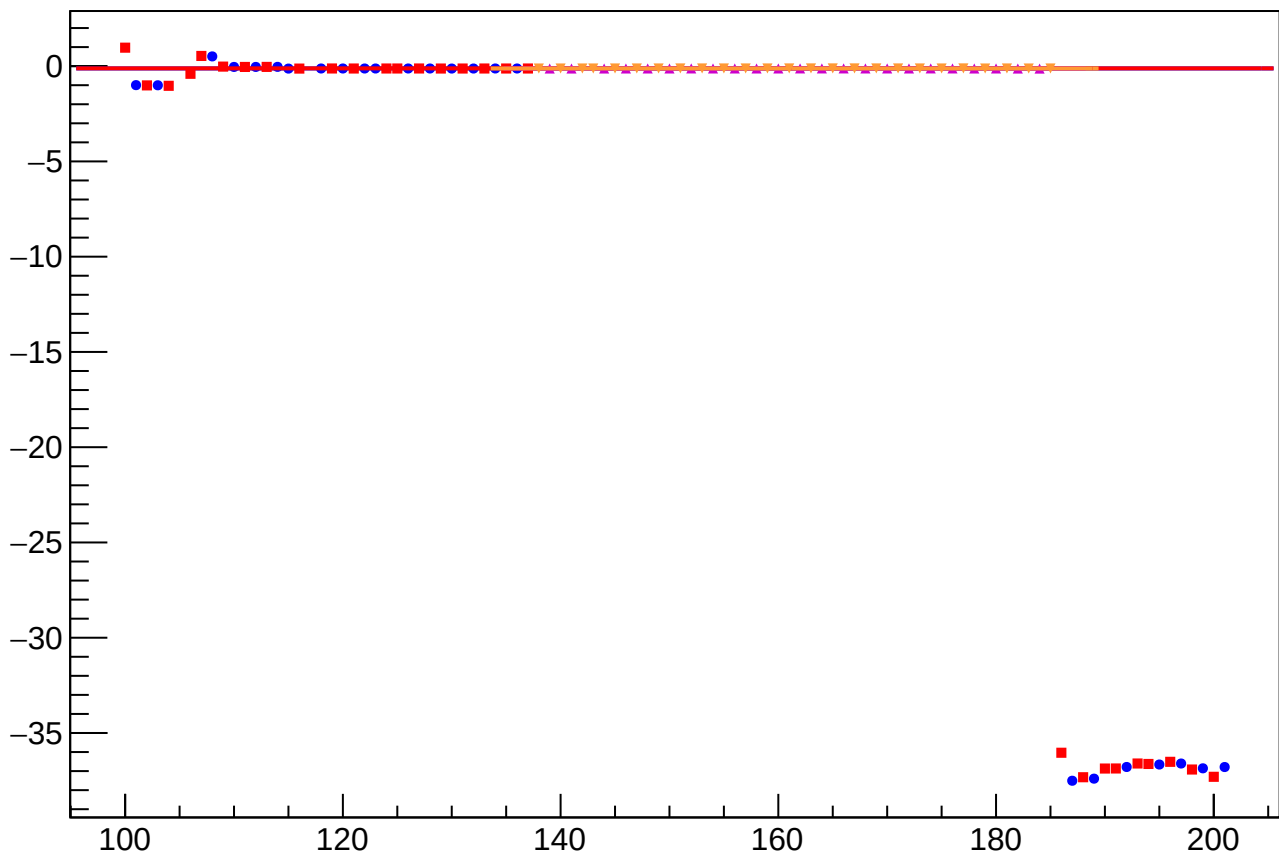
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:659543.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11690460.5/48

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 26904878.7/99

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 15206511.5/50

yield_cav4cY_mean vs Slug



Right In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 41862751096.5/23$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.116 ± 0.000 $\chi^2/\text{NDF}: 49659143423.7/27$

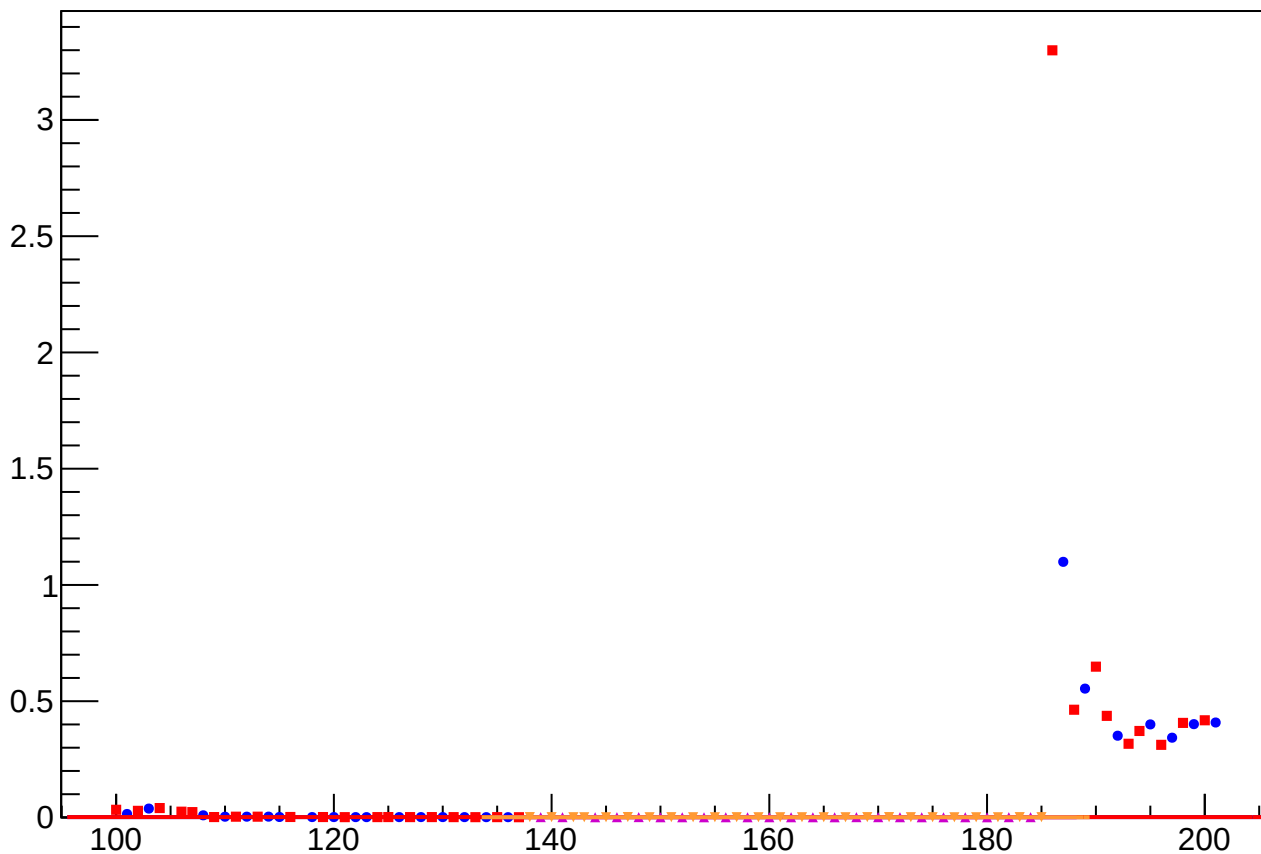
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.121 ± 0.000 $\chi^2/\text{NDF}: 41921161494.6/48$

All: -0.121 ± 0.000 $\chi^2/\text{NDF}: 91677159286.2/100$

- sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 49752105261.6/50$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 11574151.2/23

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 14485812.0/27

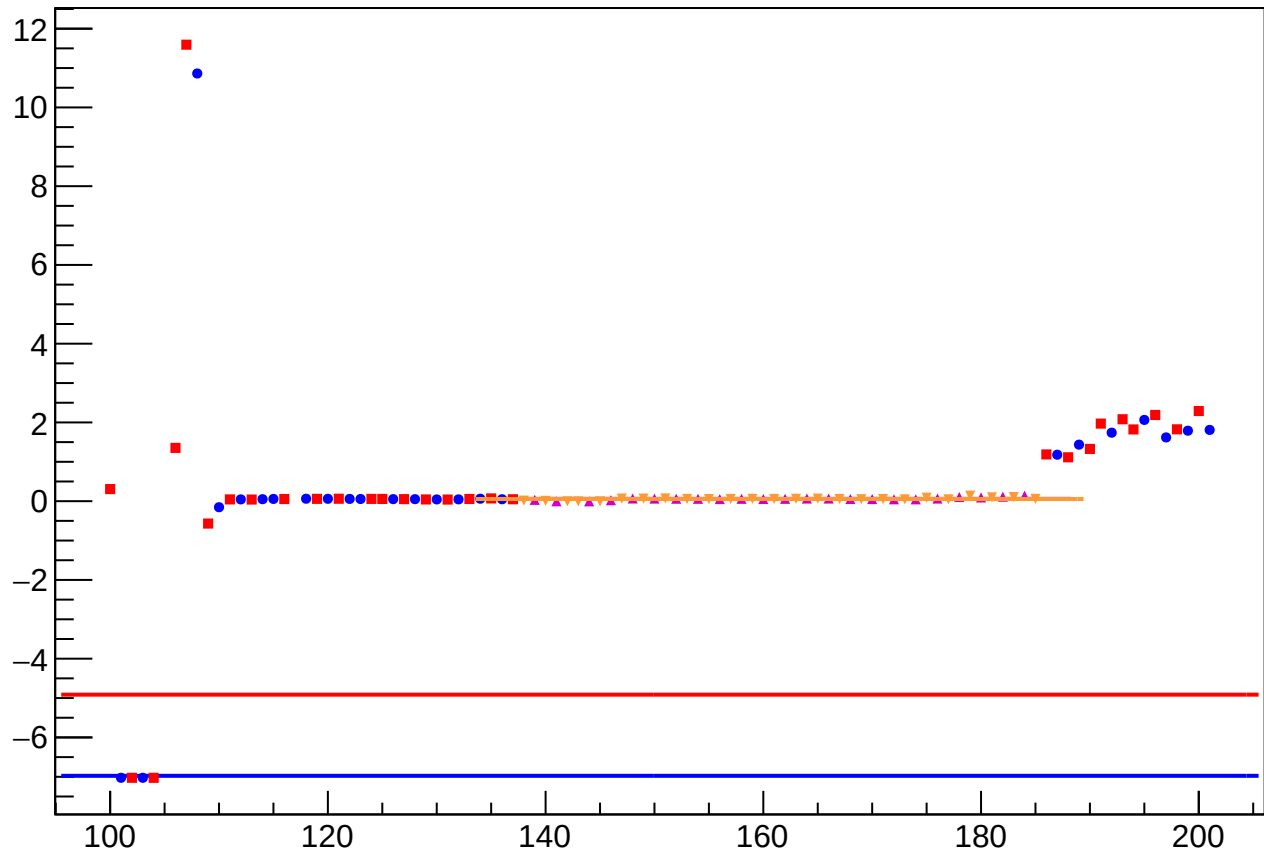
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 14115614.2/48

All: 0.001+/-0.000 χ^2/NDF : 30706857.2/99

- sign 0.001+/-0.000 χ^2/NDF : 16589194.6/50

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762602875417.2/23

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348658605721.0/27

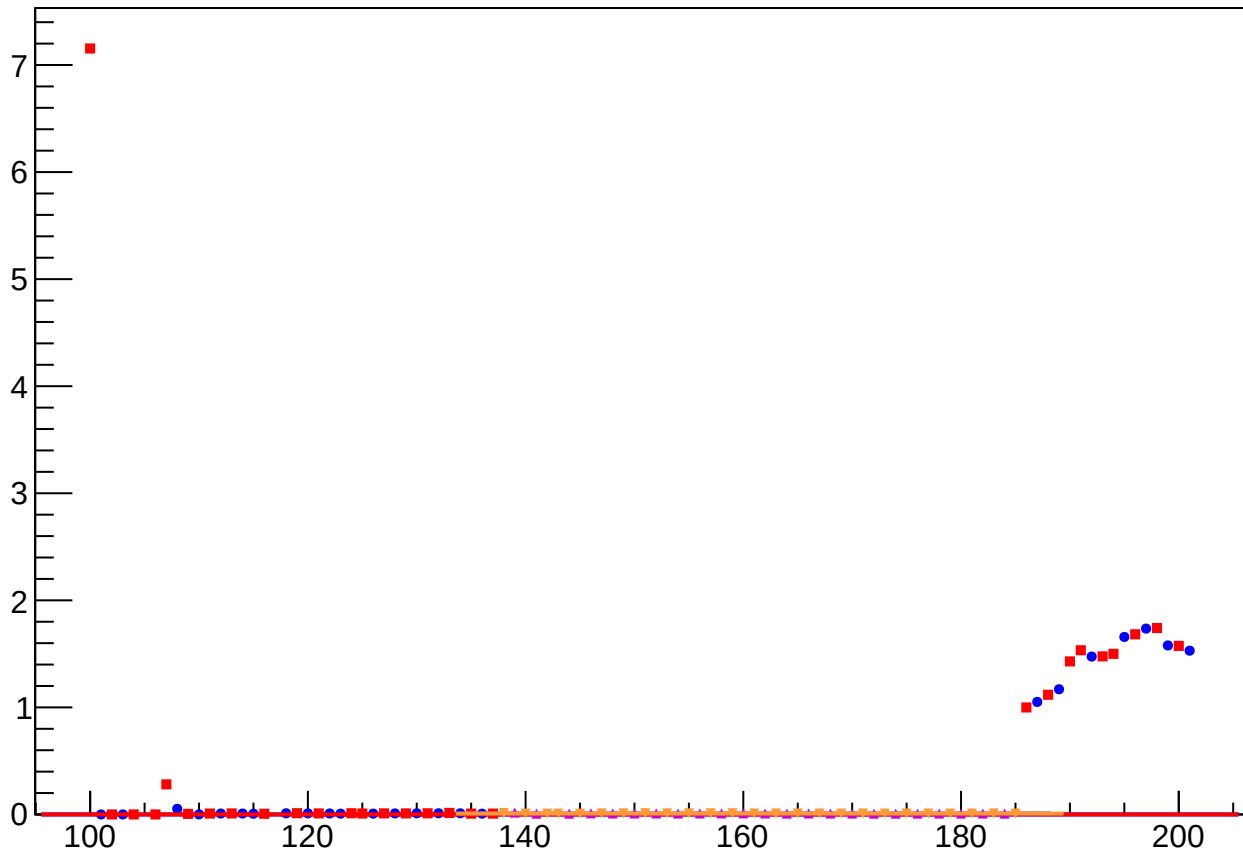
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417591713352.9/23

All: -5.858 ± 0.000 χ^2/NDF : 4435814382239.0/27

- sign -4.882 ± 0.000 χ^2/NDF : 369770949519401.9/27

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 17404134.1/23

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20192737.8/27

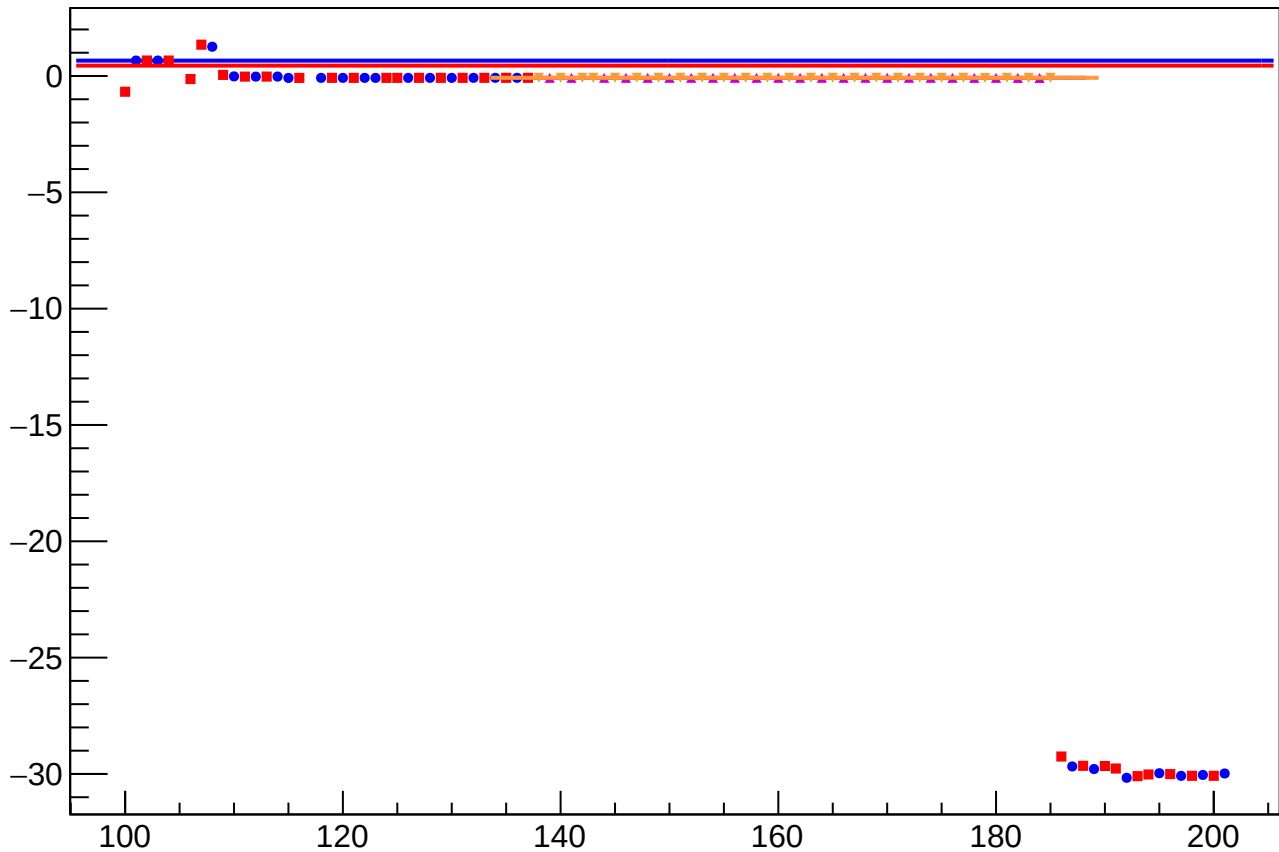
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 46391441.3/48

All: 0.000+/-0.000 χ^2/NDF : 94262398.9/99

- sign 0.000+/-0.000 χ^2/NDF : 47866503.2/50

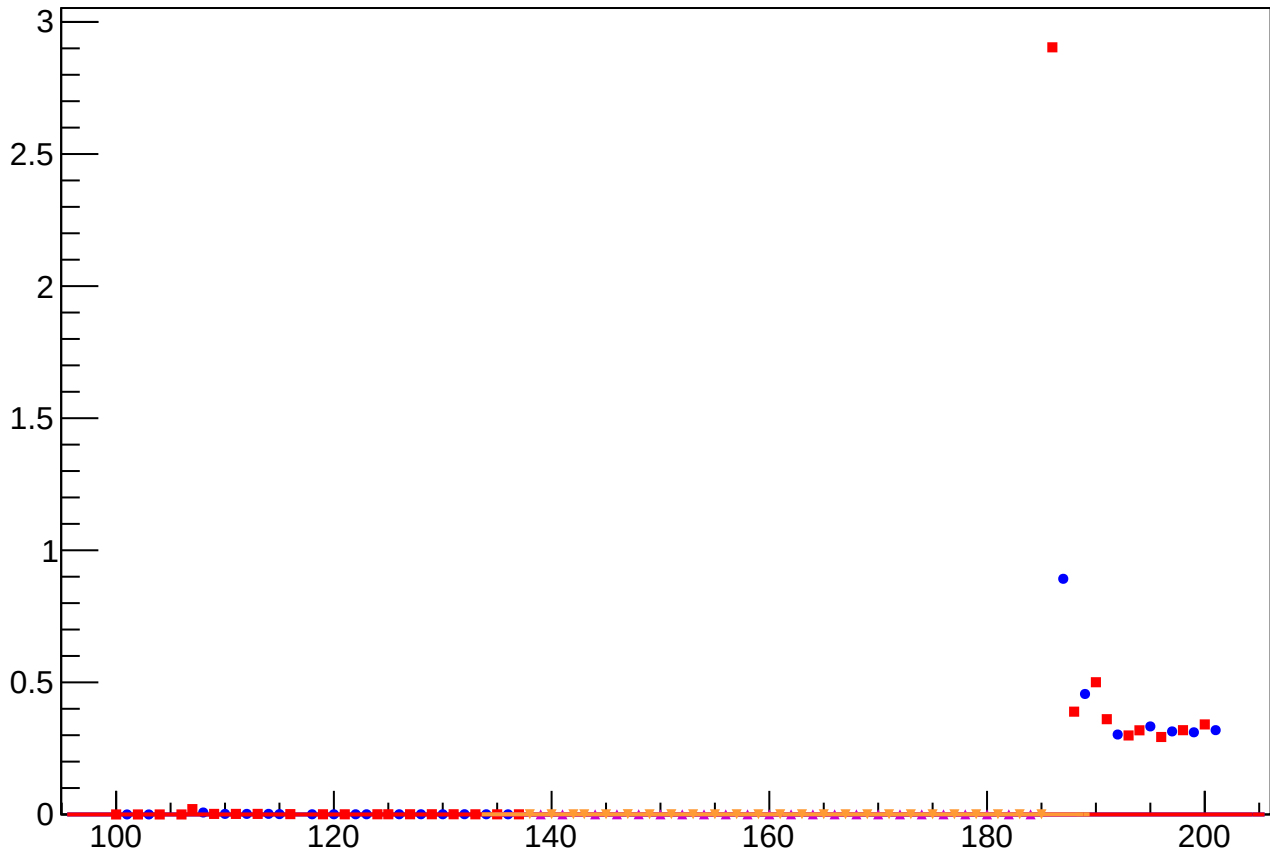
yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5624808586623.6/23
 Left Out: -0.078+/-0.000 χ^2/NDF : 156525648.0/24
 Right Out: 0.446+/-0.000 χ^2/NDF : 405461320866089.2/27
 Left In: -0.077+/-0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646+/-0.000 χ^2/NDF : 35792282901366.9/4
 All: 0.537+/-0.000 χ^2/NDF : 51606534365485
 - sign 0.437+/-0.000 χ^2/NDF : 419692845874584.1/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18859301.5/23

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20722085.1/27

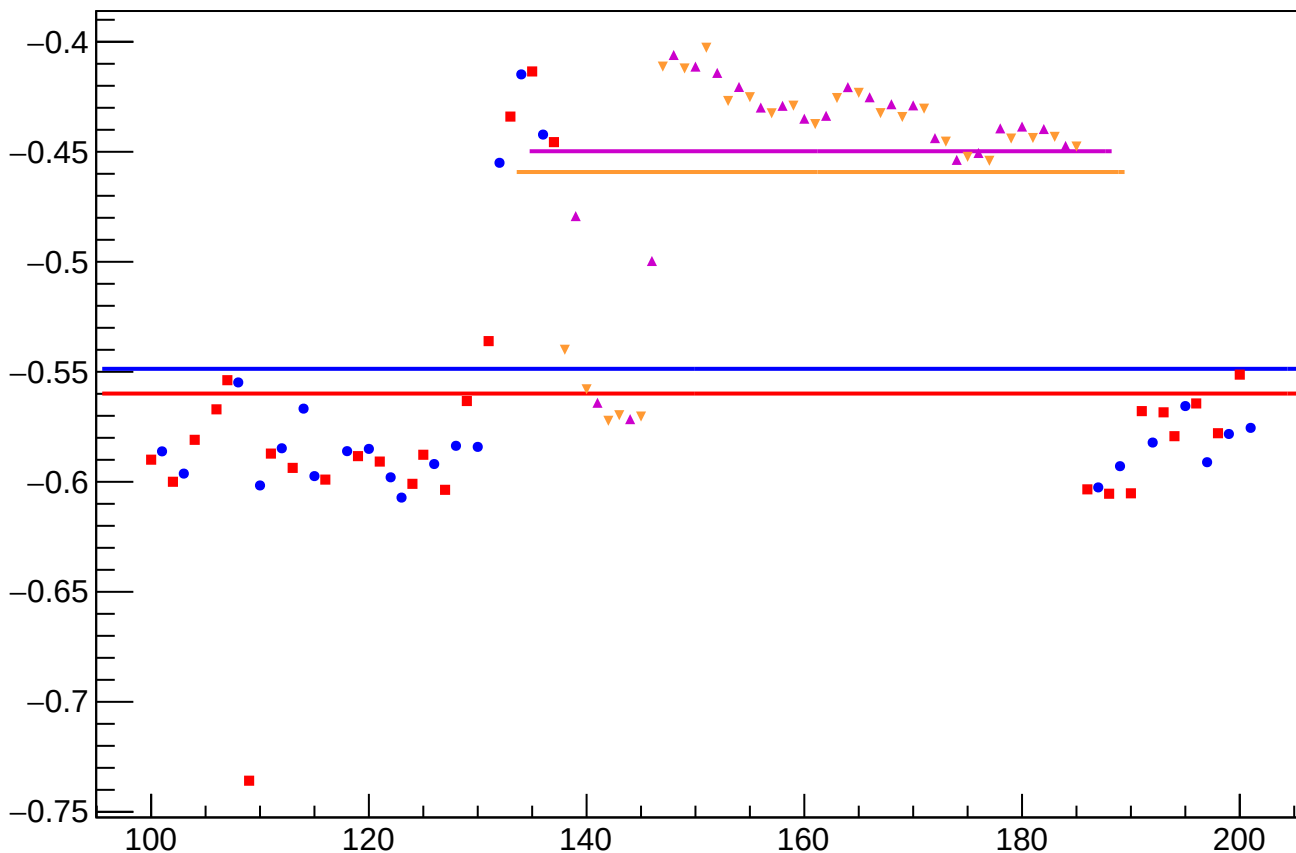
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 51508345.5/48

All: 0.000+/-0.000 χ^2/NDF : 103274172.4/99

- sign 0.000+/-0.000 χ^2/NDF : 51758682.0/50

yield_bpm4aX_mean vs Slug



Right In: -0.549+/-0.000 χ^2/NDF : 47695168.8/23

Left Out: -0.459+/-0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.560+/-0.000 χ^2/NDF : 65297179.9/27

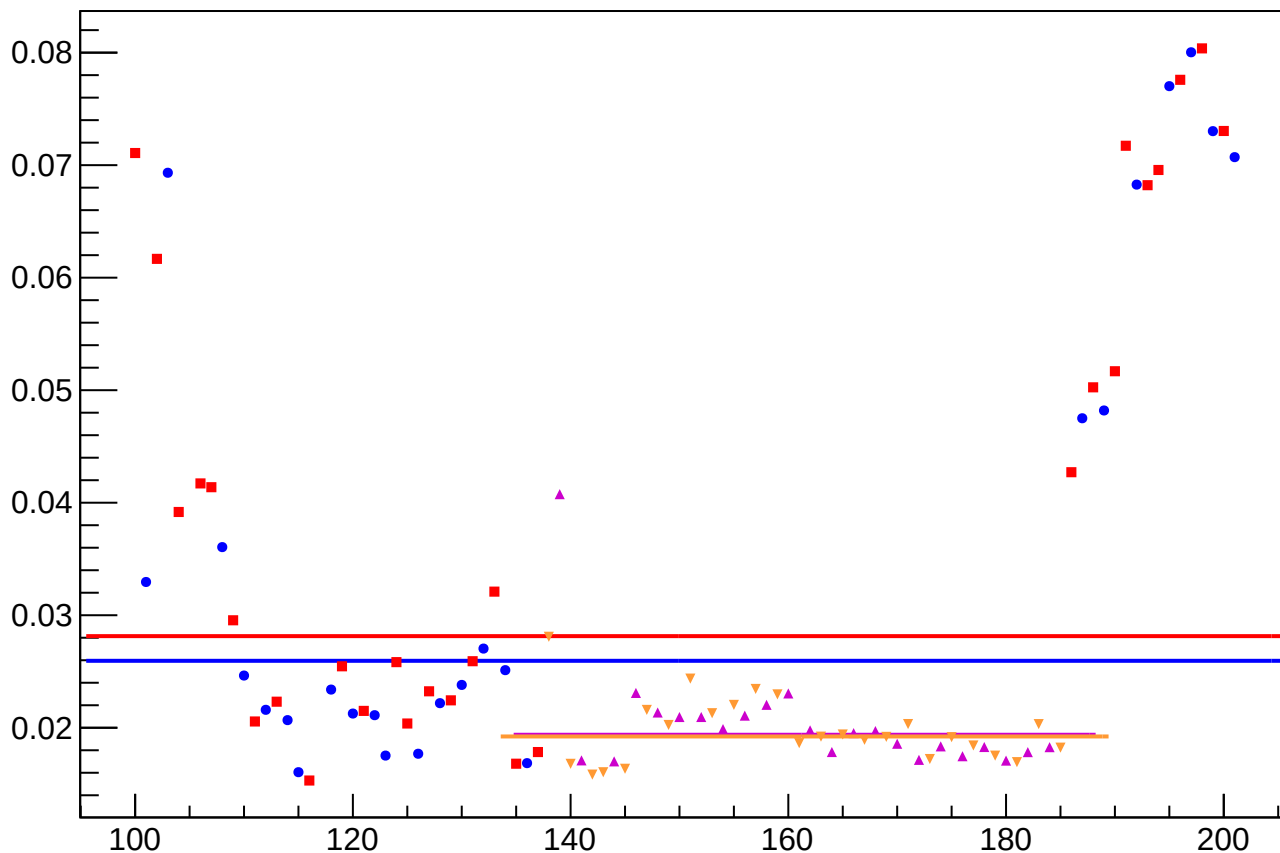
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.479+/-0.000 χ^2/NDF : 232437396.3/48

All: -0.477+/-0.000 χ^2/NDF : 479179346.6/99

- sign -0.475+/-0.000 χ^2/NDF : 246404862.6/50

yield_bpm4aX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2/NDF : 4887562.9/23

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF :501253.7/24

Right Out: 0.028 $\pm$ 0.000 χ^2/NDF : 5357618.7/27

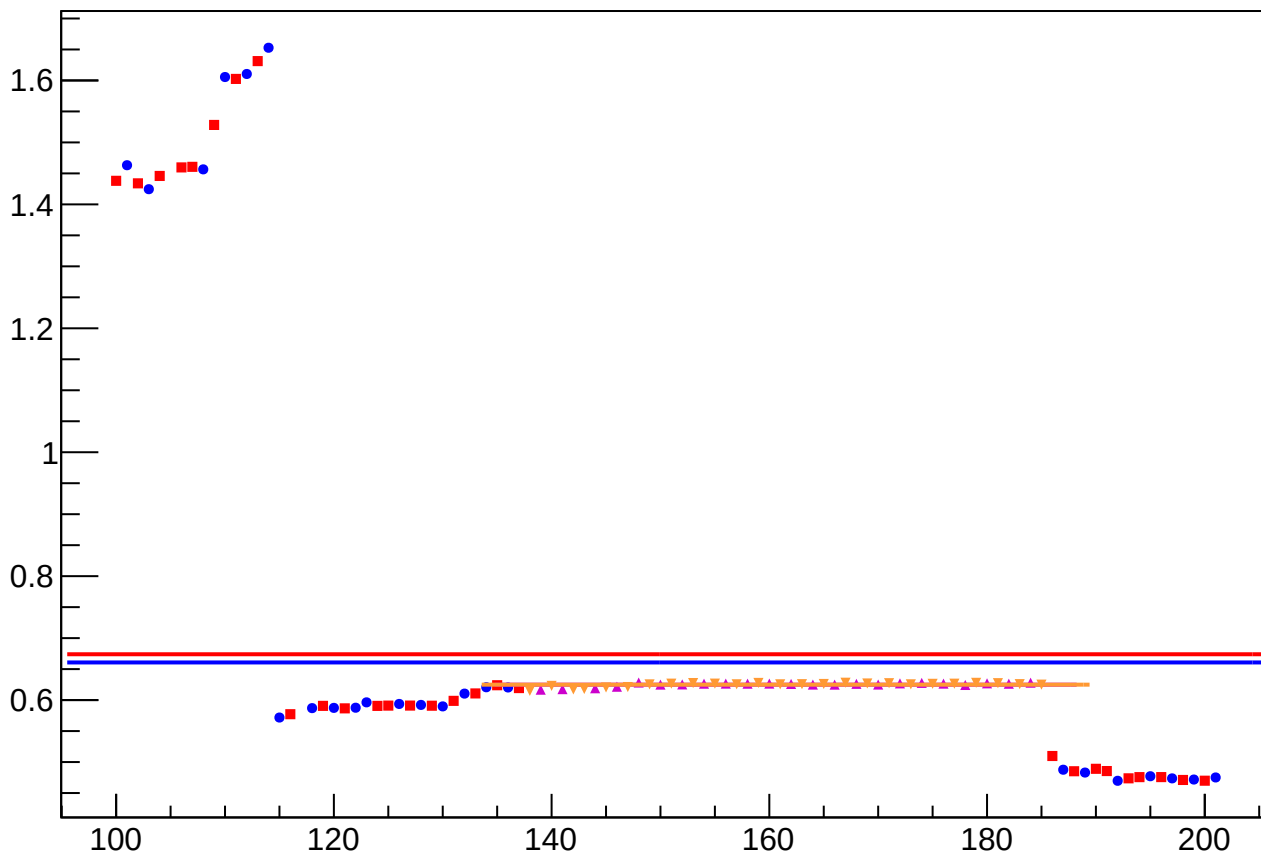
Left In: 0.019 $\pm$ 0.000 χ^2/NDF :656155.9/22

+ sign 0.021 $\pm$ 0.000 χ^2/NDF : 6190344.1/48

All: 0.021 $\pm$ 0.000 χ^2/NDF : 13558131.3/99

- sign 0.021 $\pm$ 0.000 χ^2/NDF : 7343384.2/50

yield_bpm4aY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 4727898173.0/23

Left Out: 0.625+/-0.000 χ^2/NDF :1442225.6/24

+ sign 0.635+/-0.000 χ^2/NDF : 4773629597.5/48

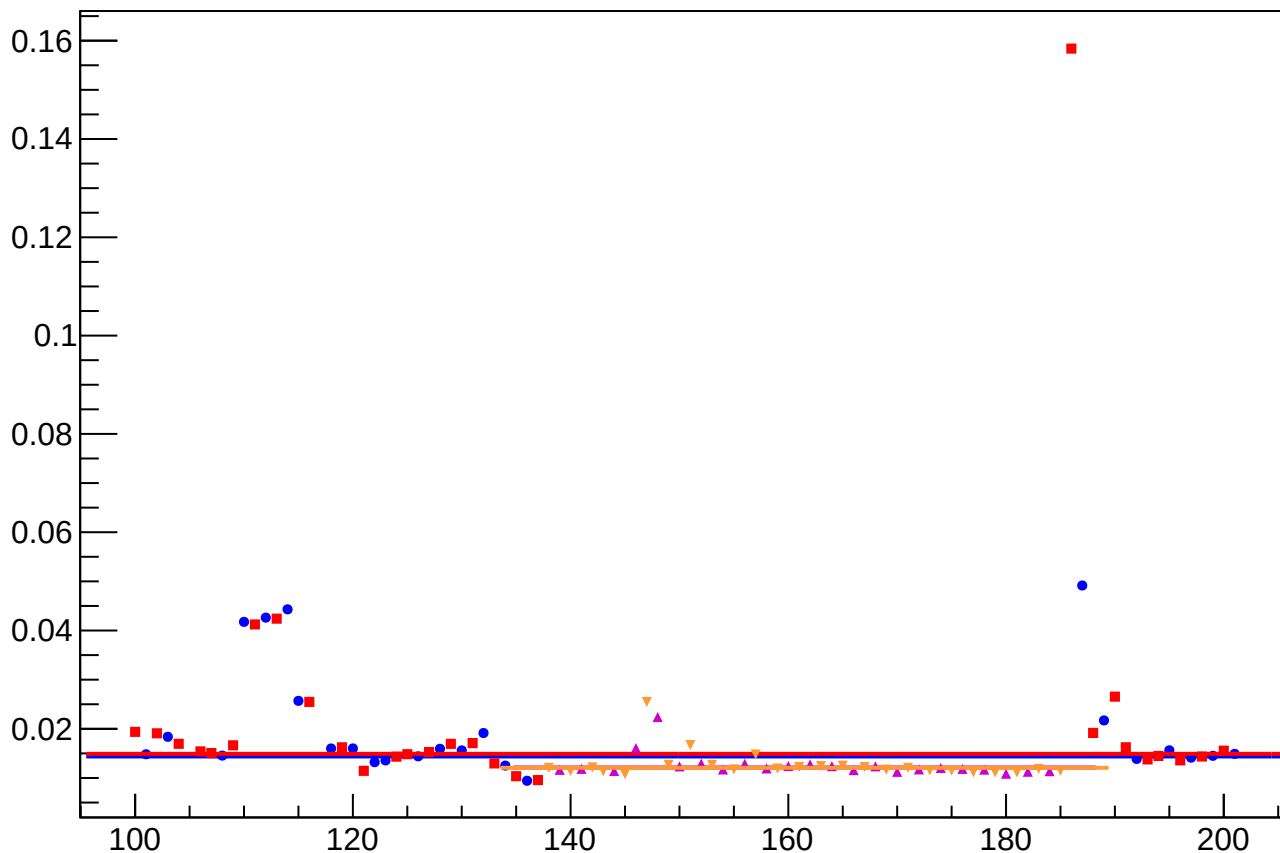
Right Out: 0.674+/-0.000 χ^2/NDF : 5753559449.5/27

All: 0.637+/-0.000 χ^2/NDF : 10614559439.4/9

- sign 0.640+/-0.000 χ^2/NDF : 5839033063.2/50

Left In: 0.625+/-0.000 χ^2/NDF :1135039.4/22

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1641752.5/23

Left Out: 0.012+/-0.000 χ^2/NDF : 657433.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2072027.0/27

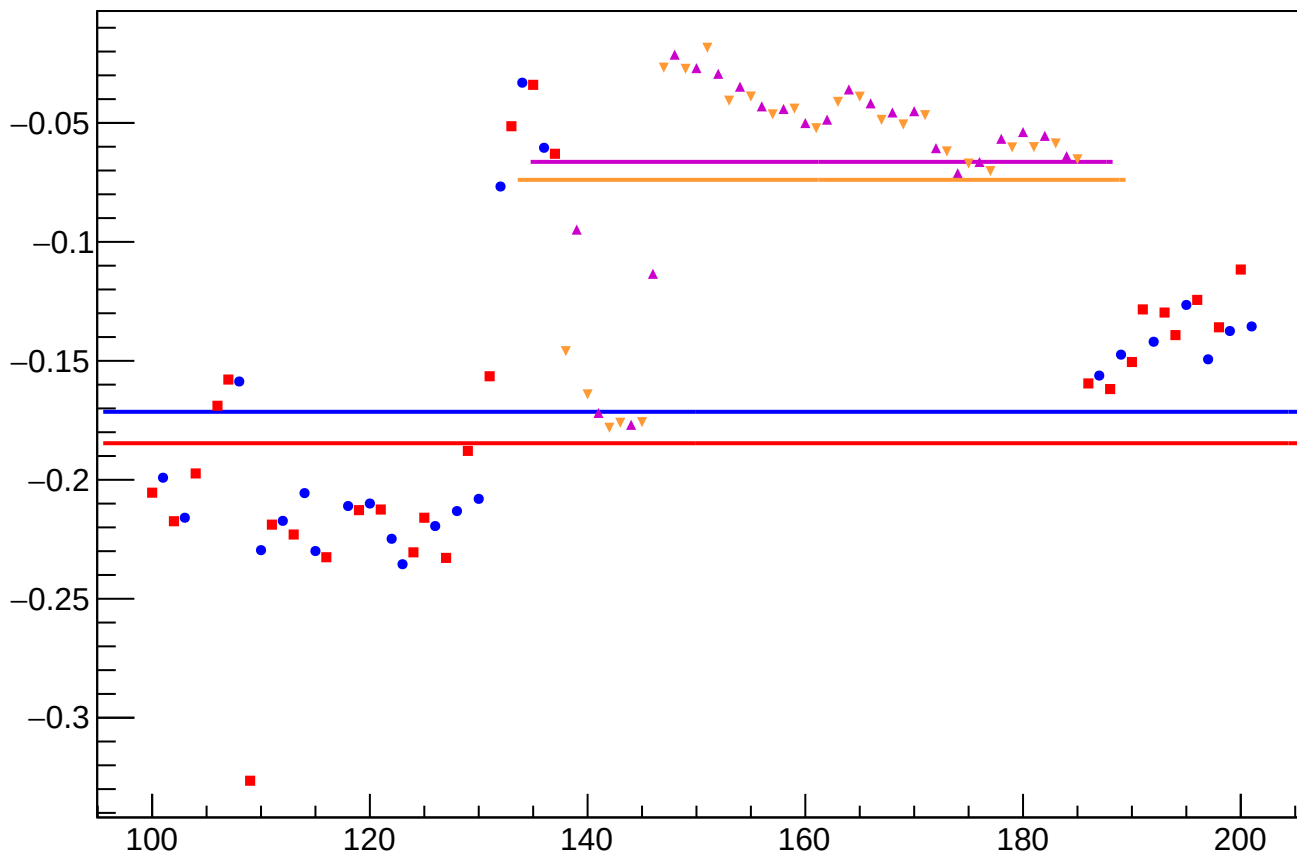
Left In: 0.012+/-0.000 χ^2/NDF : 488249.4/22

+ sign 0.013+/-0.000 χ^2/NDF : 2665493.7/48

All: 0.013+/-0.000 χ^2/NDF : 5774946.7/99

- sign 0.013+/-0.000 χ^2/NDF : 3098484.4/50

yield_bpm4eX_mean vs Slug



Right In: -0.171+/-0.000 χ^2/NDF : 67944933.7/23

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.185+/-0.000 χ^2/NDF : 84831379.9/27

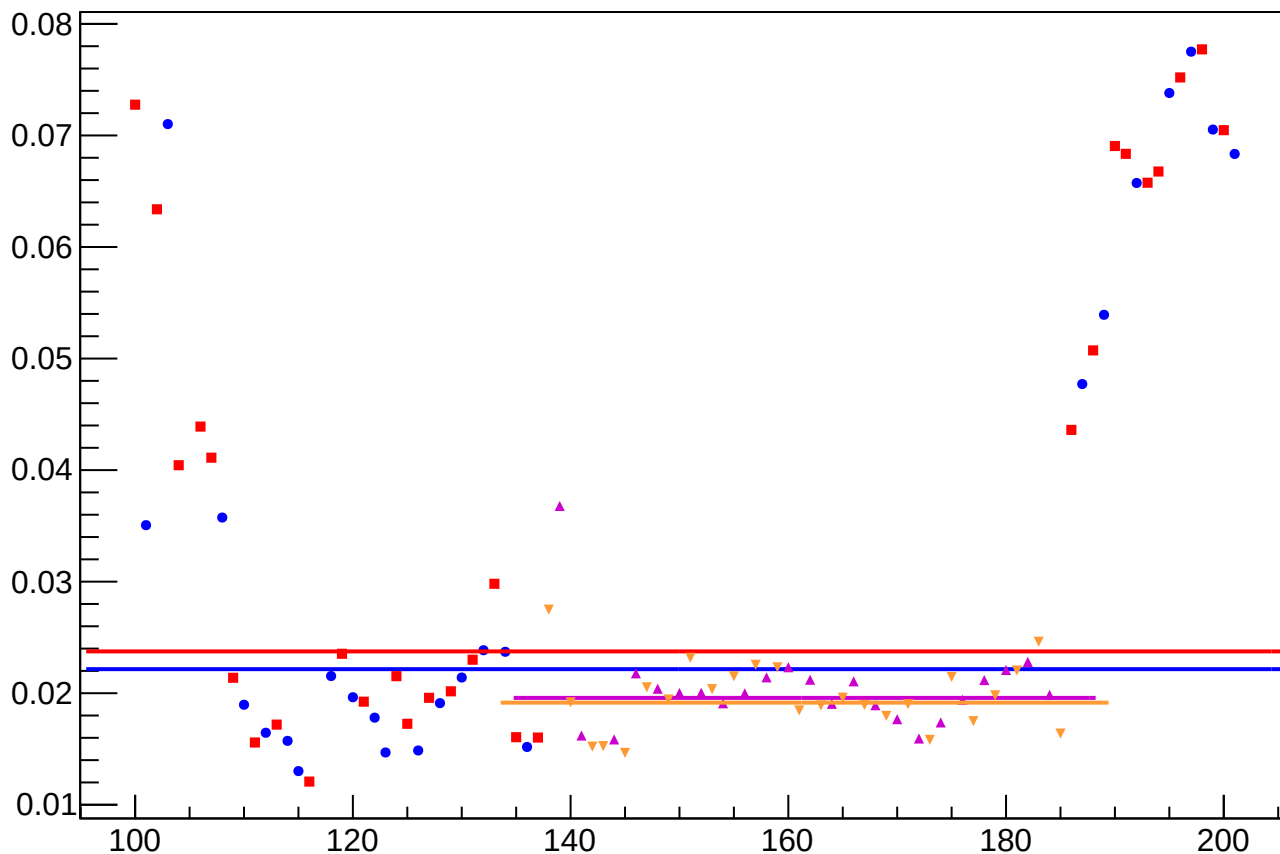
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.100+/-0.000 χ^2/NDF : 279552700.2/48

All: -0.100+/-0.000 χ^2/NDF : 589191092.5/99

- sign -0.100+/-0.000 χ^2/NDF : 309637701.0/50

yield_bpm4eX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 5687567.1/23

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641027.3/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 6520775.0/27

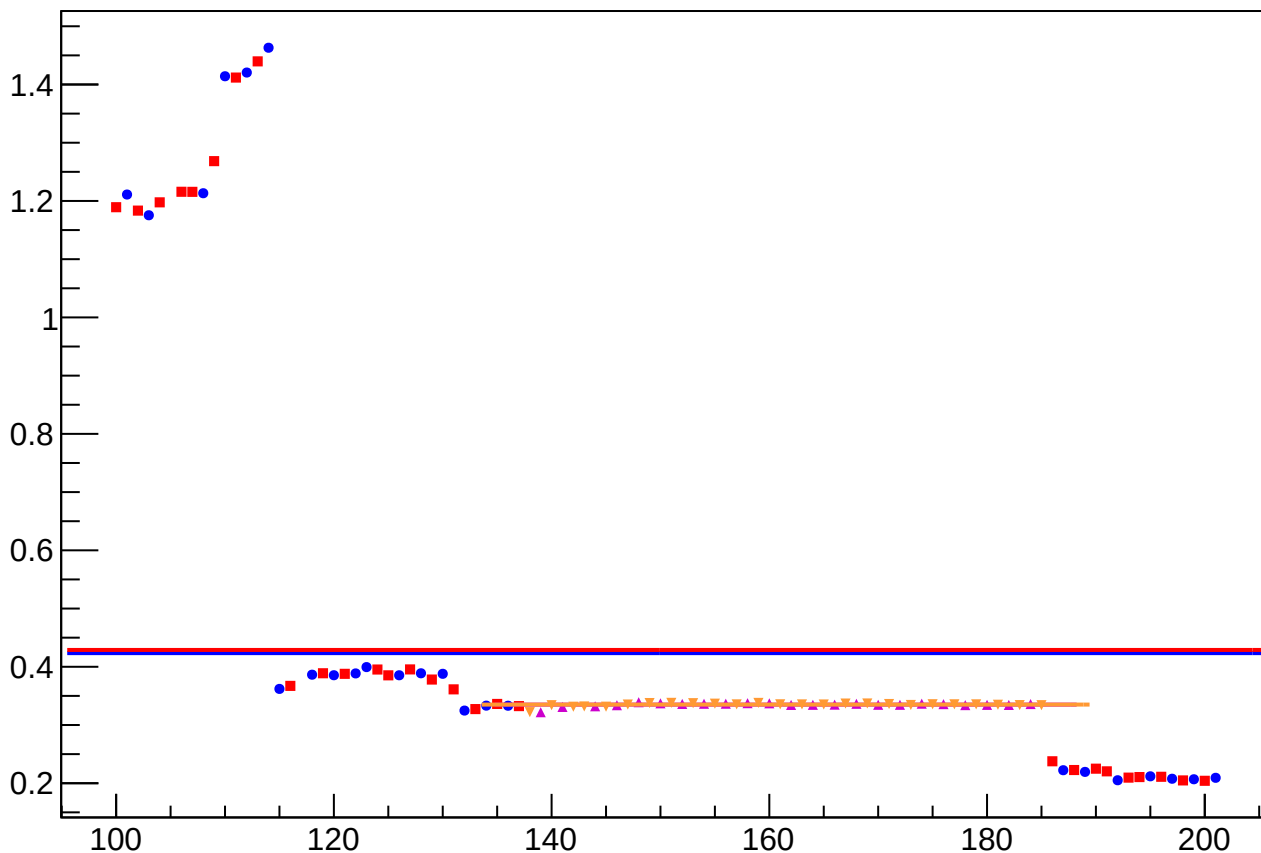
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 6525158.8/48

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 14101821.8/99

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7540960.4/50

yield_bpm4eY_mean vs Slug



Right In: 0.423+/-0.000 χ^2/NDF : 6960181336.6/23

Left Out: 0.335+/-0.000 χ^2/NDF : 1153956.7/24

Right Out: 0.429+/-0.000 χ^2/NDF : 8096430391.6/27

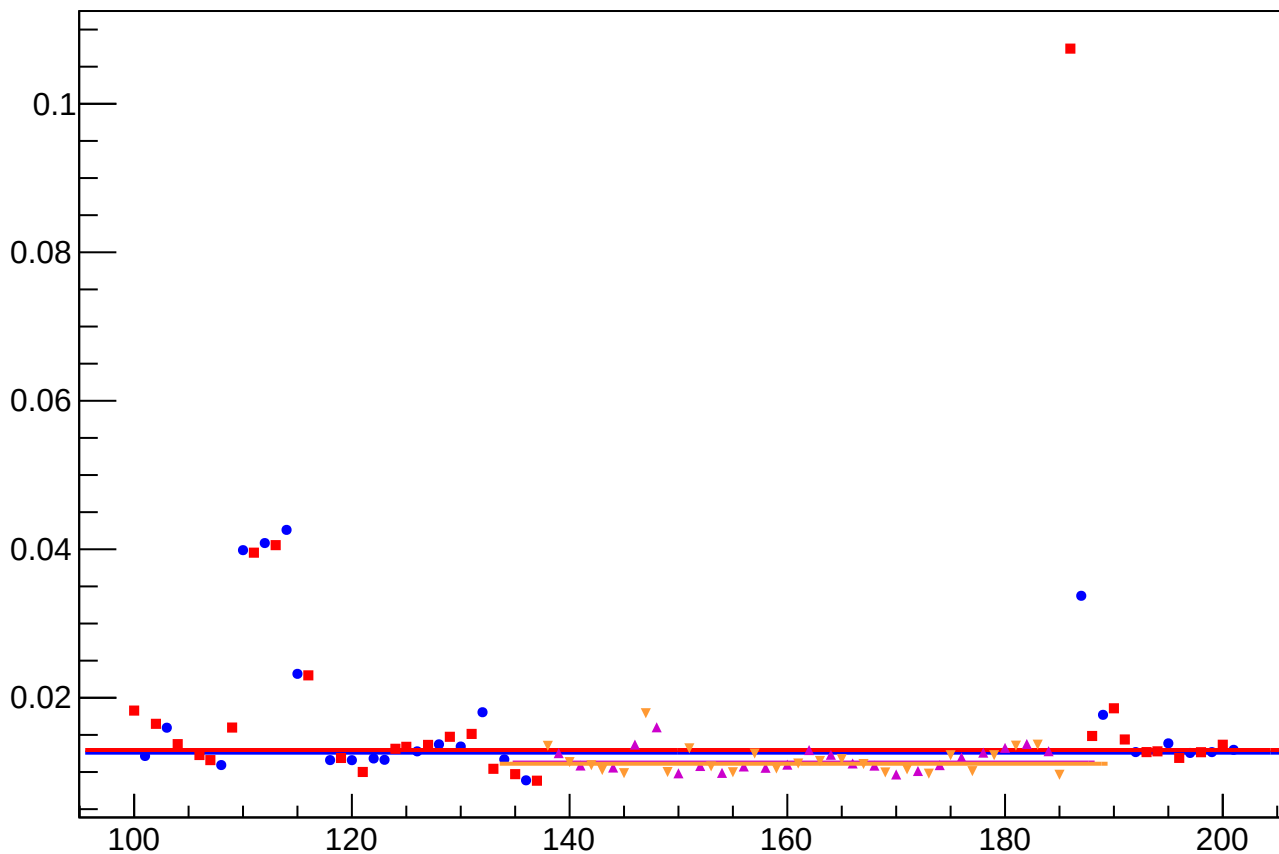
Left In: 0.335+/-0.000 χ^2/NDF : 1198302.8/22

+ sign 0.362+/-0.000 χ^2/NDF : 7301419593.8/48

All: 0.364+/-0.000 χ^2/NDF : 15789653326.6/99

- sign 0.367+/-0.000 χ^2/NDF : 8486297698.2/50

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1510258.8/23

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1933320.8/27

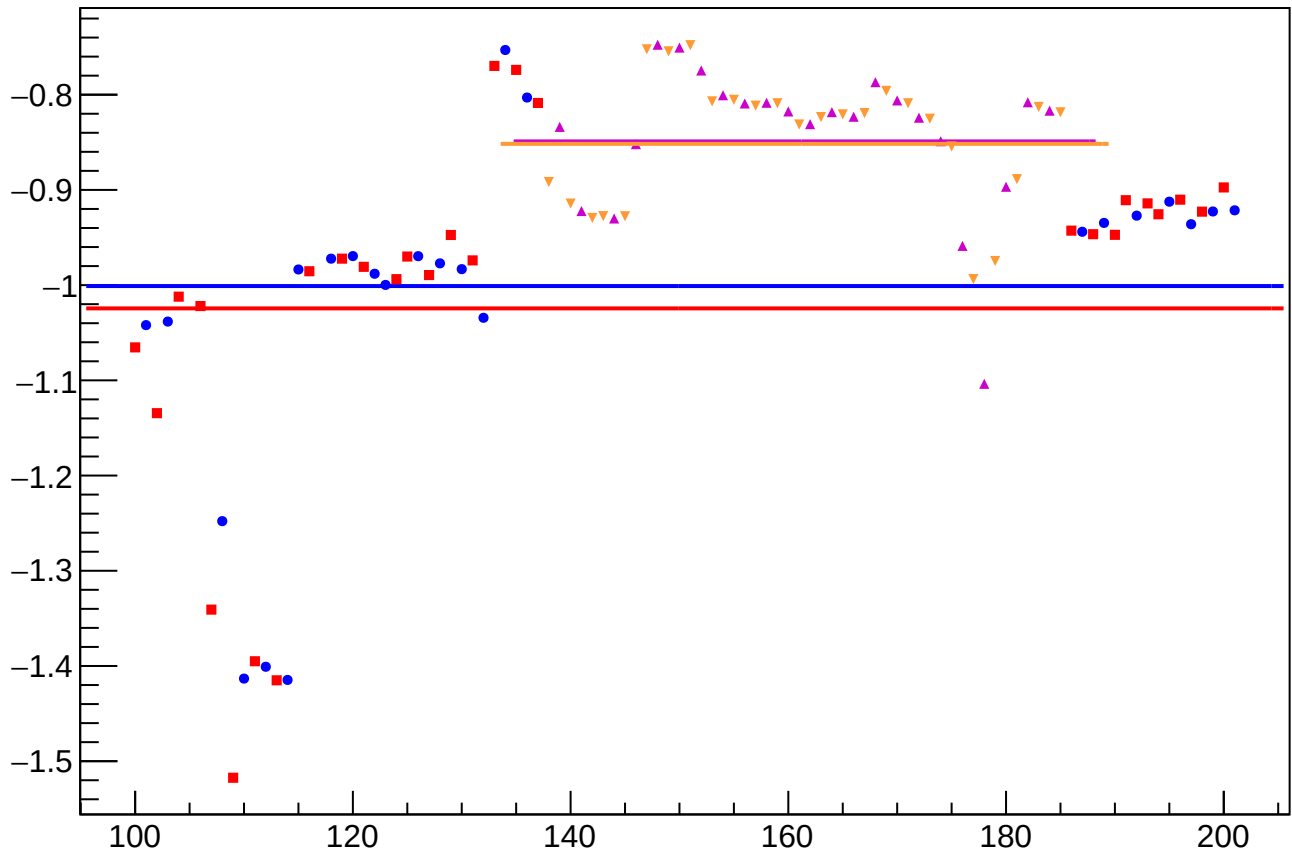
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2312275.8/48

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5014440.4/99

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2687590.1/50

yield_bpm4acX_mean vs Slug



Right In: -1.001 ± 0.000 χ^2/NDF : 399438367.9/23

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.024 ± 0.000 χ^2/NDF : 550920508.7/27

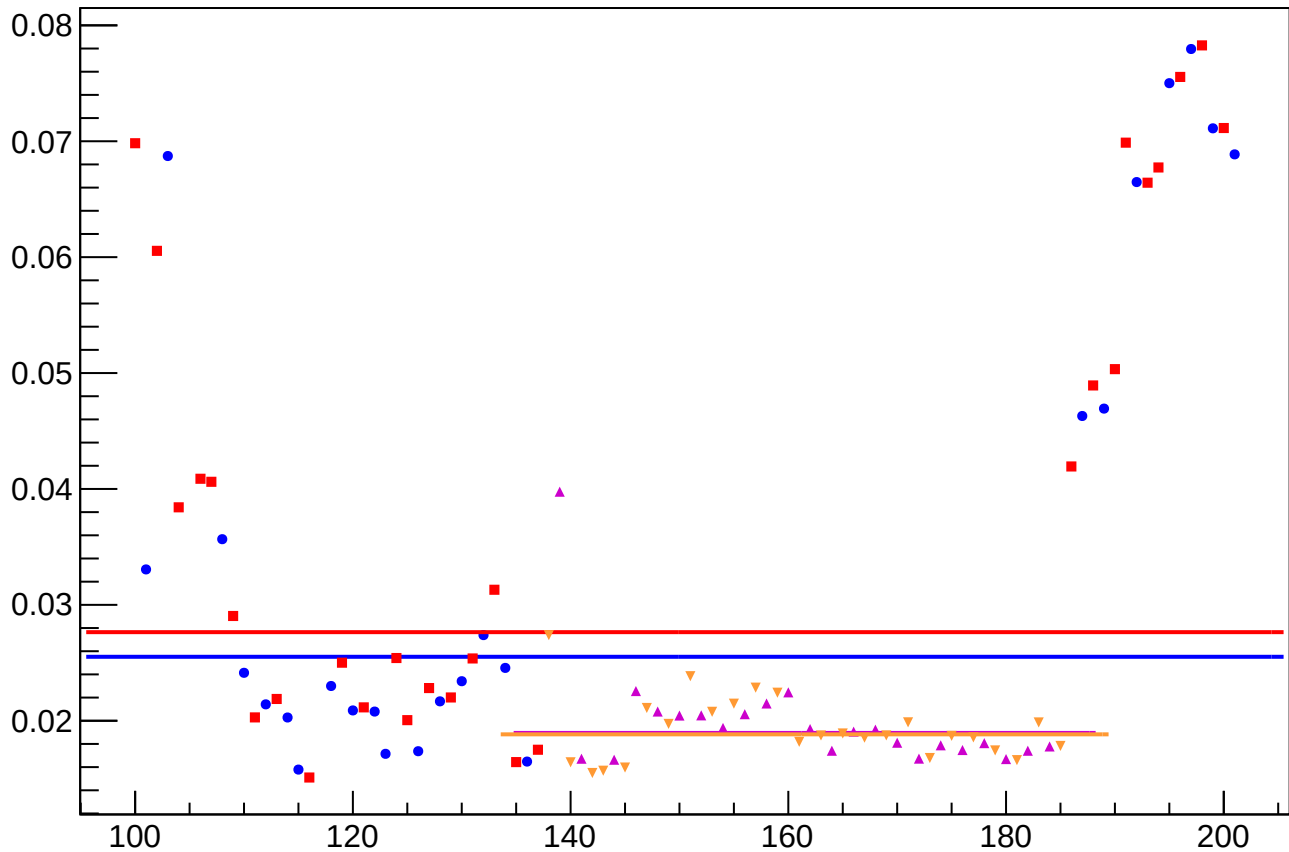
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884 ± 0.000 χ^2/NDF : 793684935.1/48

All: -0.887 ± 0.000 χ^2/NDF : 1878323129.8/9

- sign -0.889 ± 0.000 χ^2/NDF : 1083987840.4/50

yield_bpm4acX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 4873801.4/23

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490084.5/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 5311240.3/27

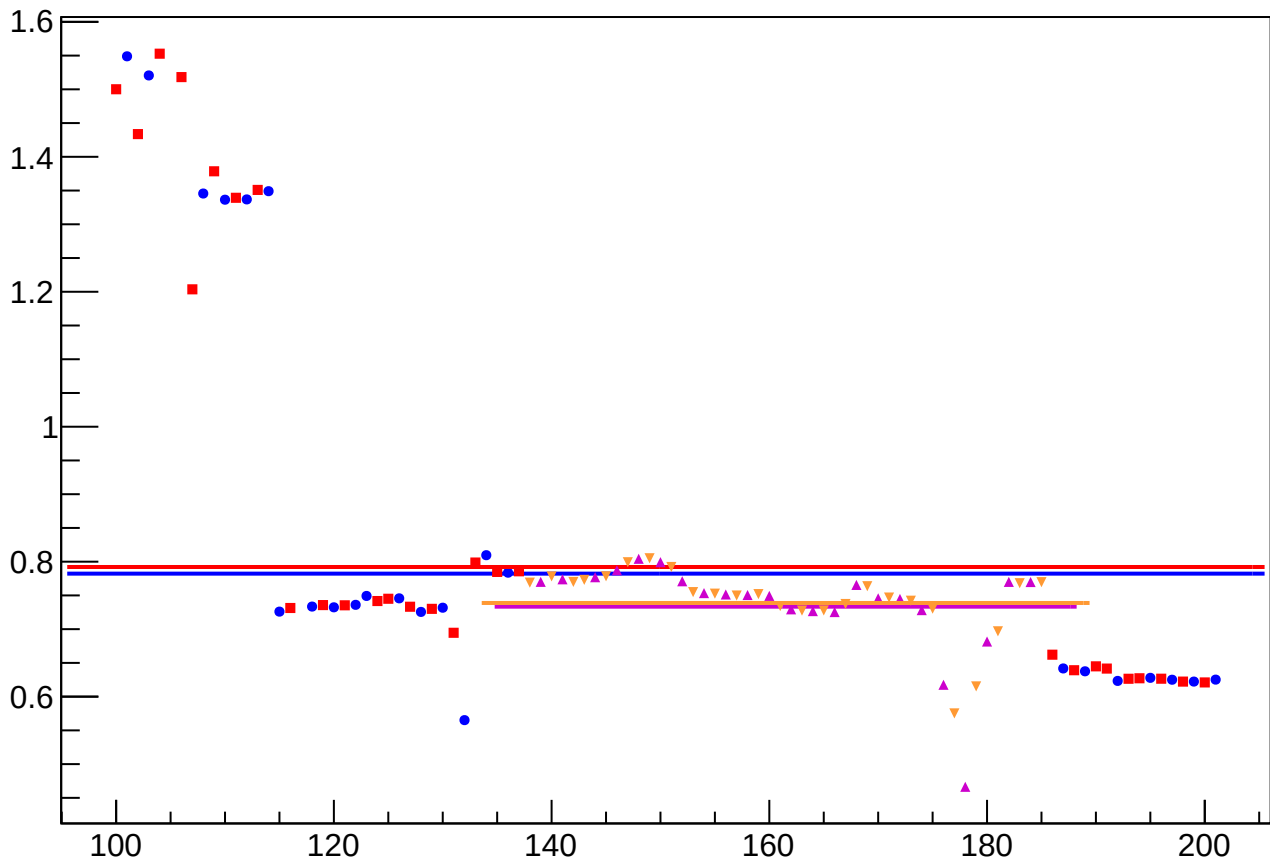
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:645048.1/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 6186910.7/48

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 13525444.5/99

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7316226.7/50

yield_bpm4acY_mean vs Slug



Right In: 0.782 $\pm$ 0.000 χ^2/NDF : 3234838451.5/23

Left Out: 0.739 $\pm$ 0.000 χ^2/NDF : 333086309.0/24

Right Out: 0.792 $\pm$ 0.000 χ^2/NDF : 3554401602.6/27

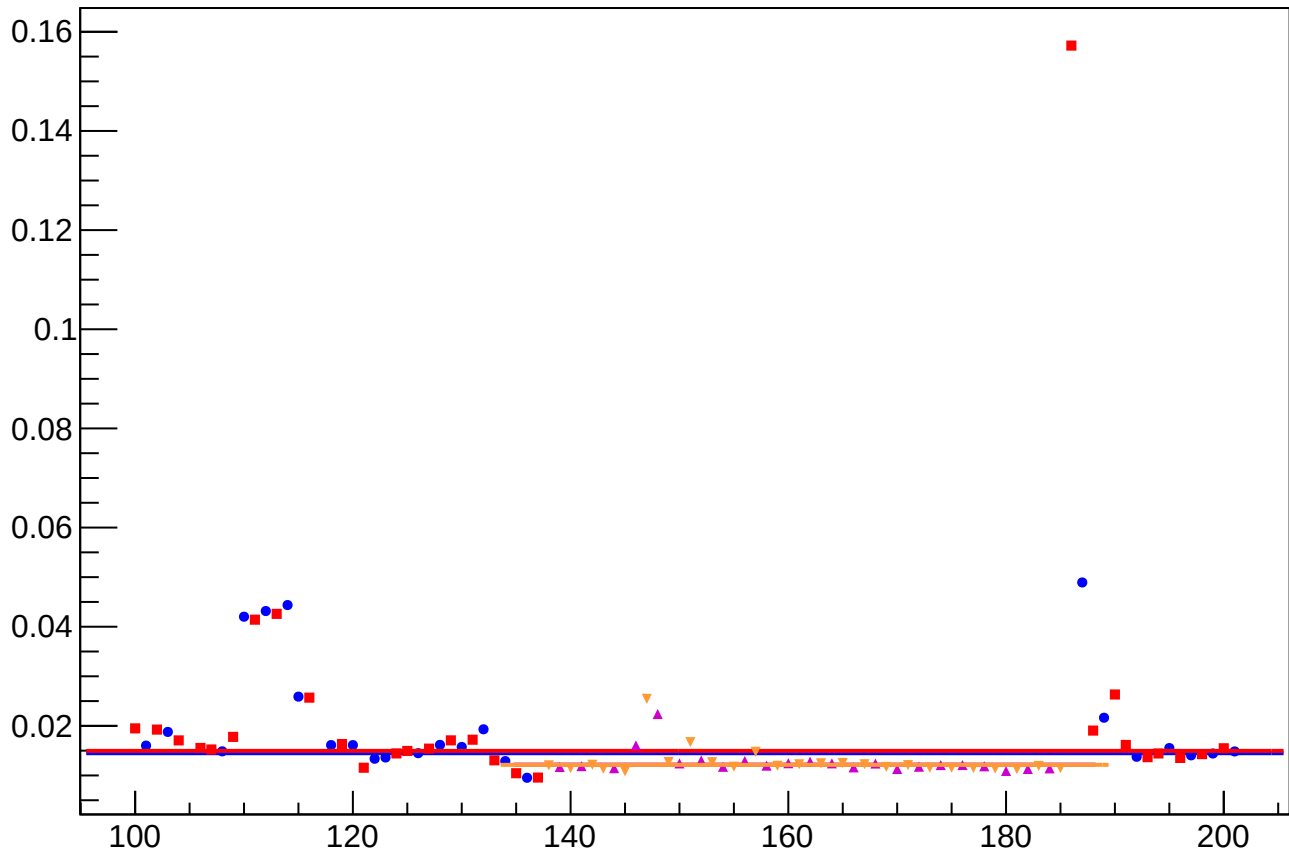
Left In: 0.733 $\pm$ 0.000 χ^2/NDF : 570264411.7/22

+ sign 0.751 $\pm$ 0.000 χ^2/NDF : 3631982514.7/48

All: 0.751 $\pm$ 0.000 χ^2/NDF : 7876337949.0/99

- sign 0.751 $\pm$ 0.000 χ^2/NDF : 4244352121.7/50

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1641911.0/23

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2075706.5/27

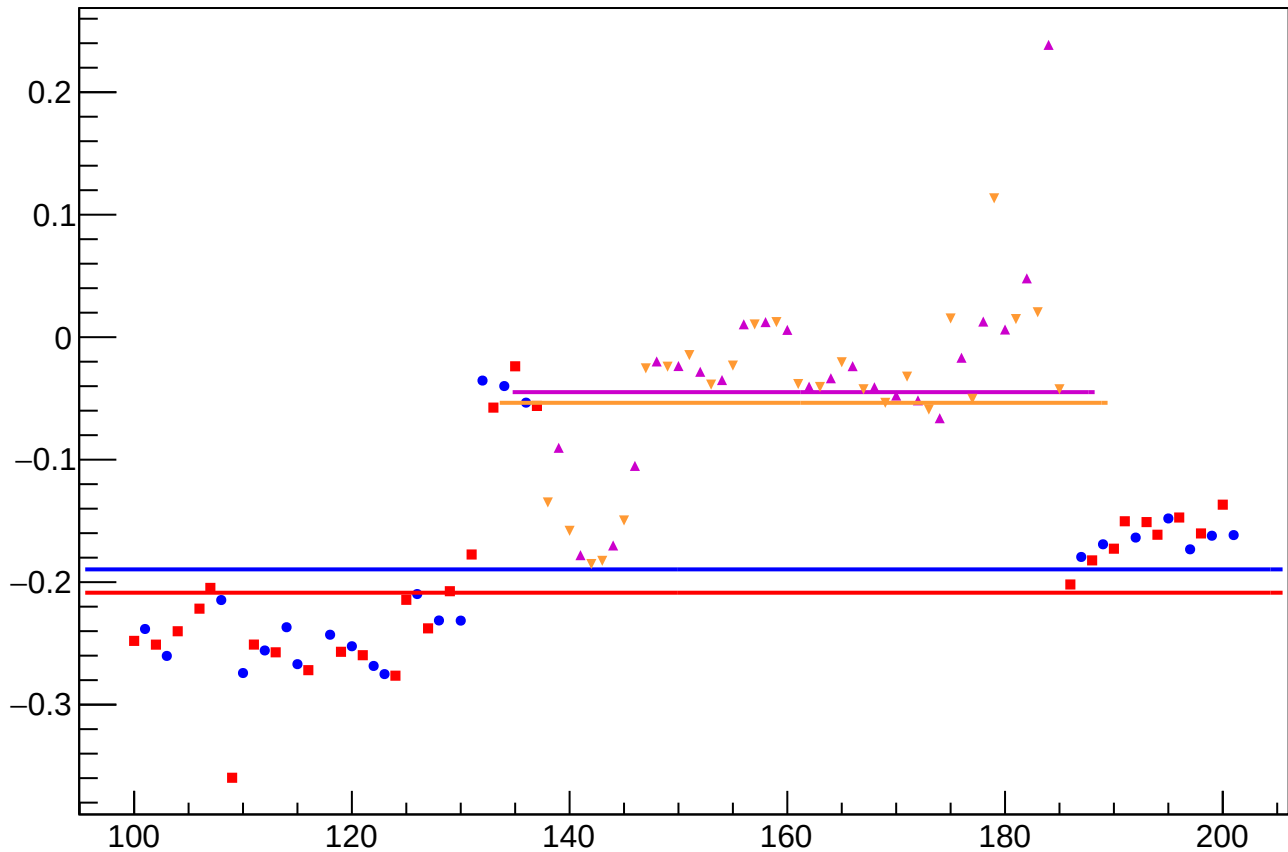
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2653248.0/48

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5749614.6/99

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3087514.0/50

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 $\chi^2/\text{NDF}: 106736207.6/23$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167879648.0/24$

+ sign -0.089 ± 0.000 $\chi^2/\text{NDF}: 471661941.4/48$

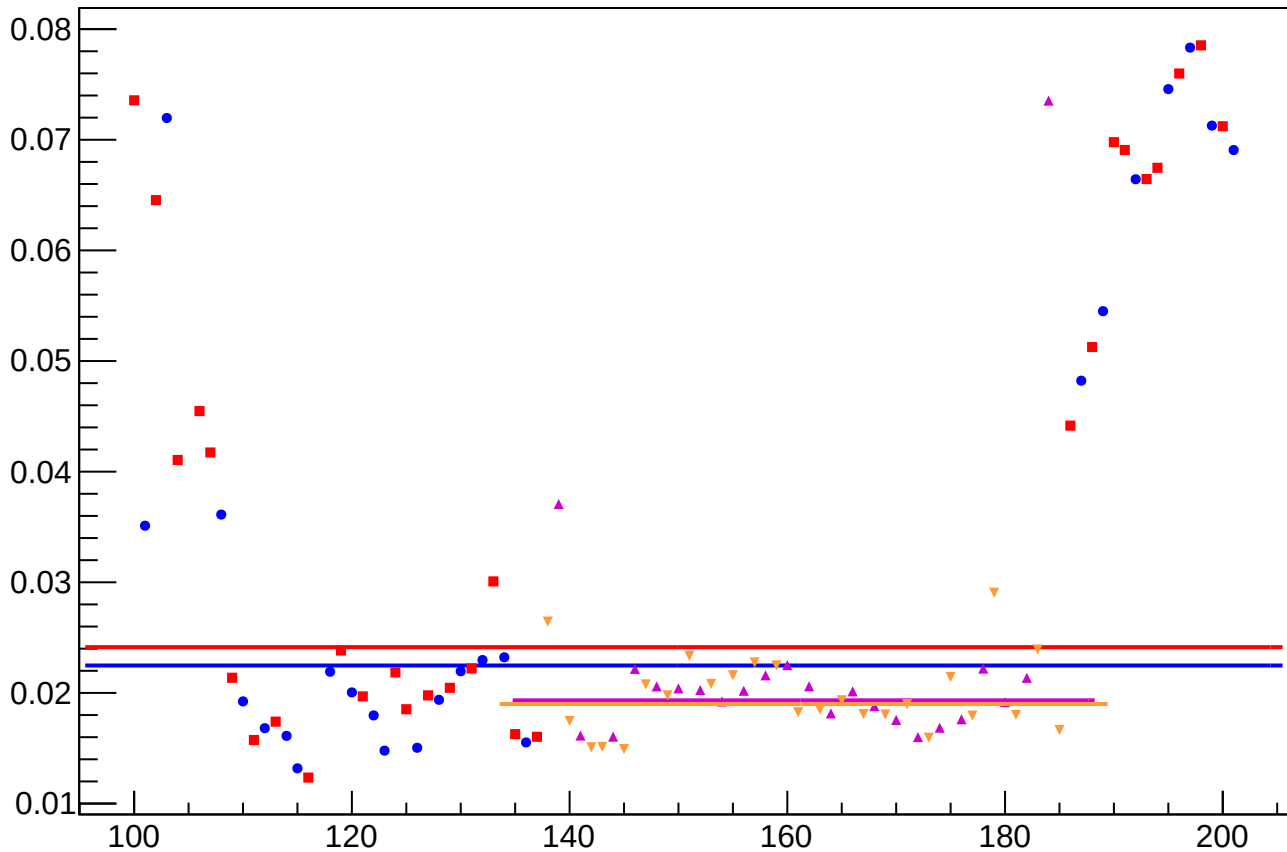
Right Out: -0.209 ± 0.000 $\chi^2/\text{NDF}: 112959990.3/27$

All: -0.090 ± 0.000 $\chi^2/\text{NDF}: 989960342.3/99$

- sign -0.090 ± 0.000 $\chi^2/\text{NDF}: 518267307.5/50$

Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127324000.1/22$

yield_bpm4ecX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 5643296.3/23

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 699267.5/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 6484078.4/27

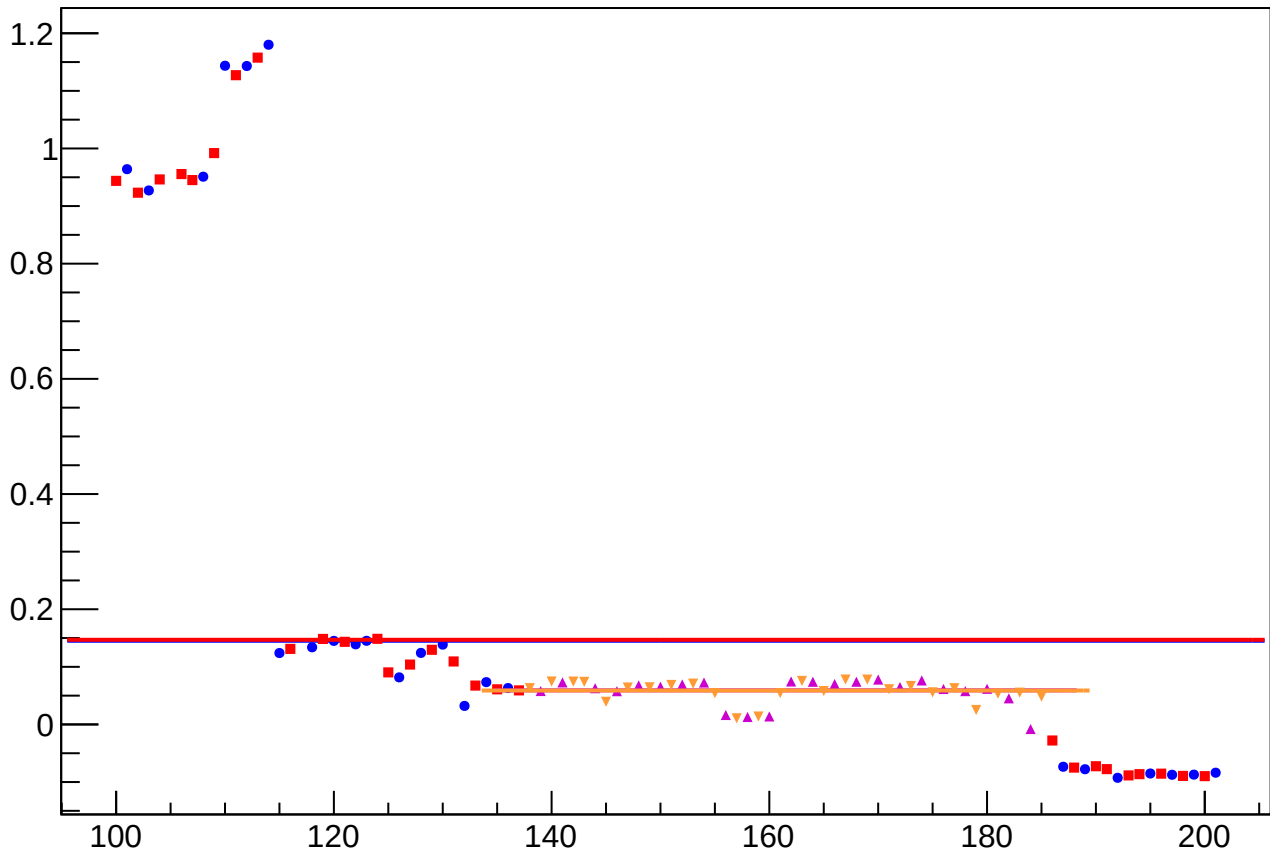
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 892810.7/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 6601242.8/48

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 14487857.4/99

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7856262.9/50

yield_bpm4ecY_mean vs Slug



Right In: 0.145+/-0.000 χ^2/NDF : 7476479578.1/23

Left Out: 0.059+/-0.000 χ^2/NDF : 46902918.4/24

+ sign 0.085+/-0.000 χ^2/NDF : 7854247613.7/48

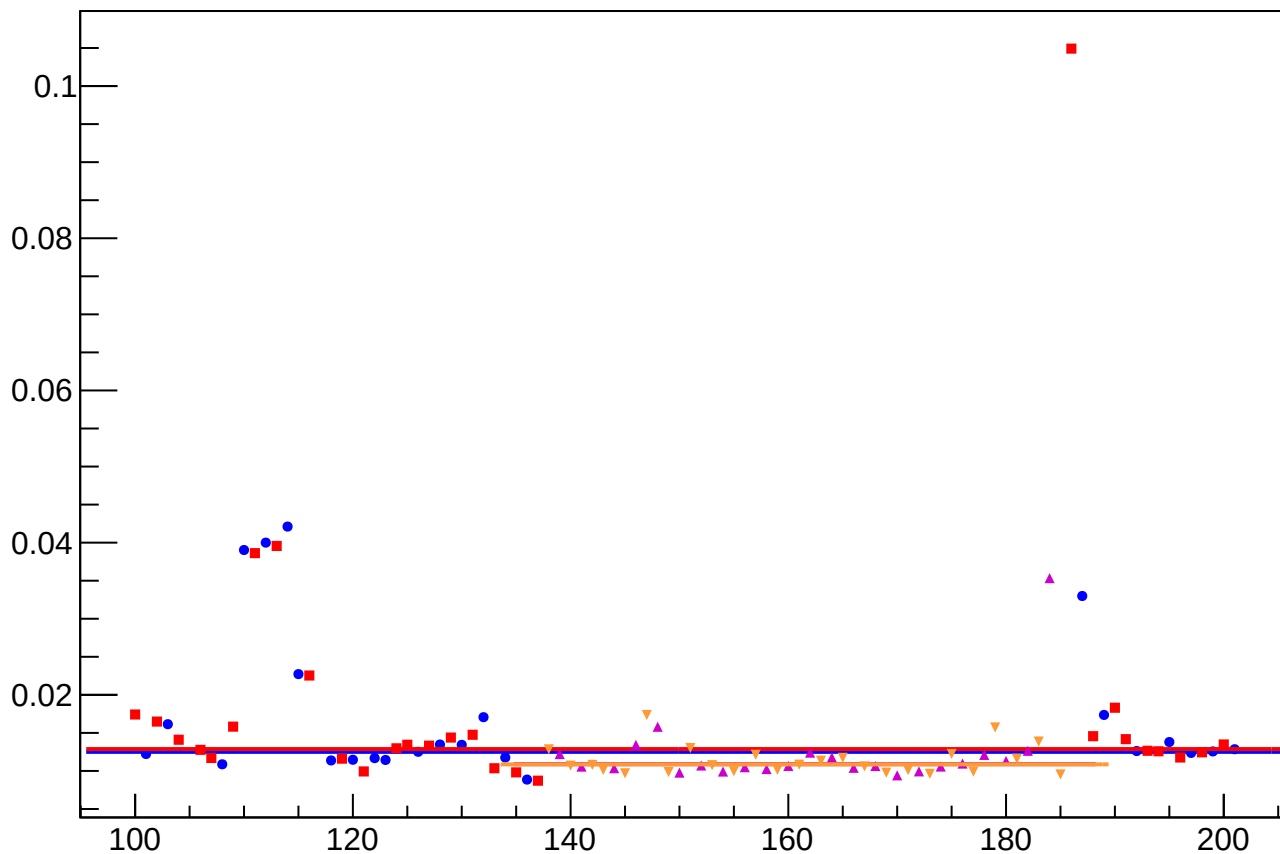
Right Out: 0.147+/-0.000 χ^2/NDF : 8502412858.4/27

All: 0.087+/-0.000 χ^2/NDF : 16764389668.4/50

Left In: 0.059+/-0.000 χ^2/NDF : 58640898.5/22

- sign 0.088+/-0.000 χ^2/NDF : 8909380968.4/50

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1477123.9/23

Left Out: 0.011+/-0.000 χ^2/NDF :605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1891135.1/27

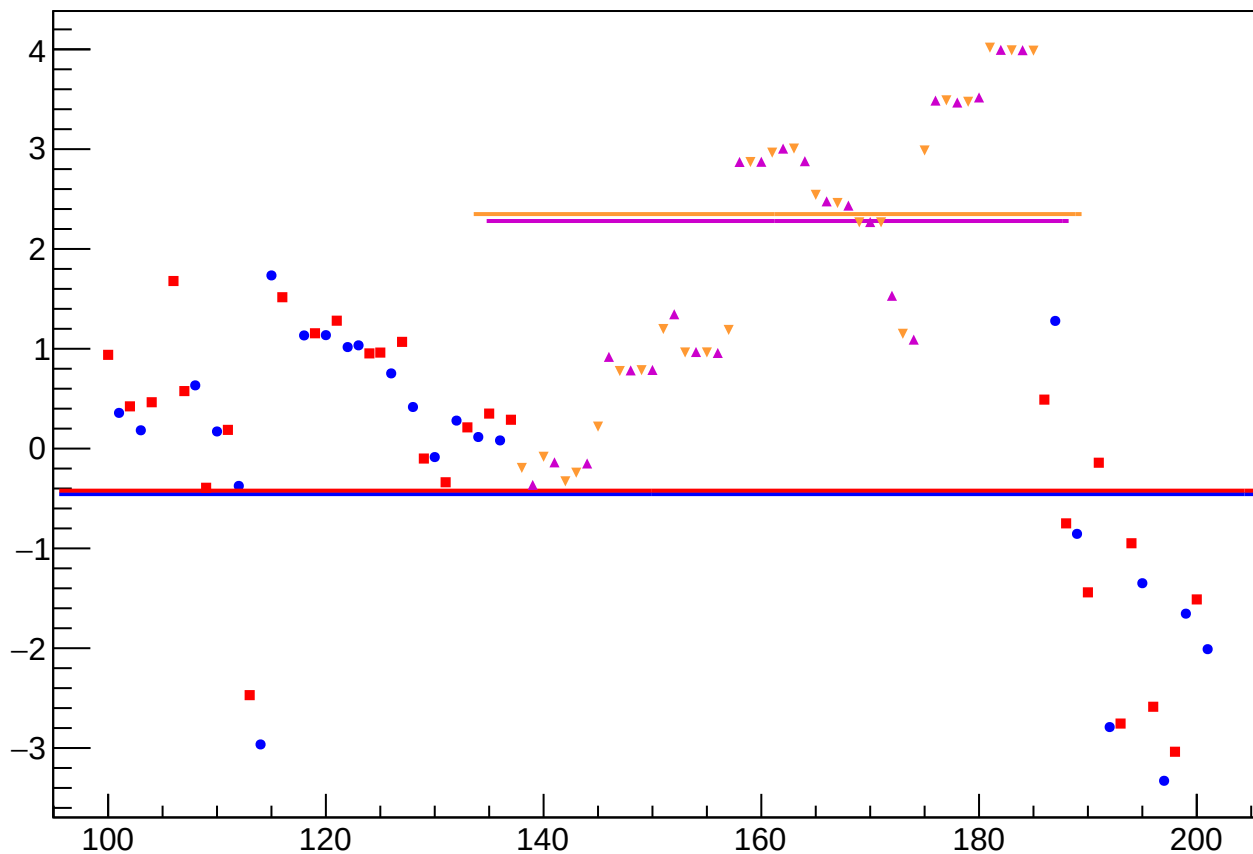
Left In: 0.011+/-0.000 χ^2/NDF :529867.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 2322416.6/48

All: 0.011+/-0.000 χ^2/NDF : 5105280.6/99

- sign 0.012+/-0.000 χ^2/NDF : 2776438.5/50

yield_bpm1X_mean vs Slug



Right In: -0.456 ± 0.000 $\chi^2/\text{NDF}: 4820759930.3/23$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.421 ± 0.000 $\chi^2/\text{NDF}: 5554030692.3/27$

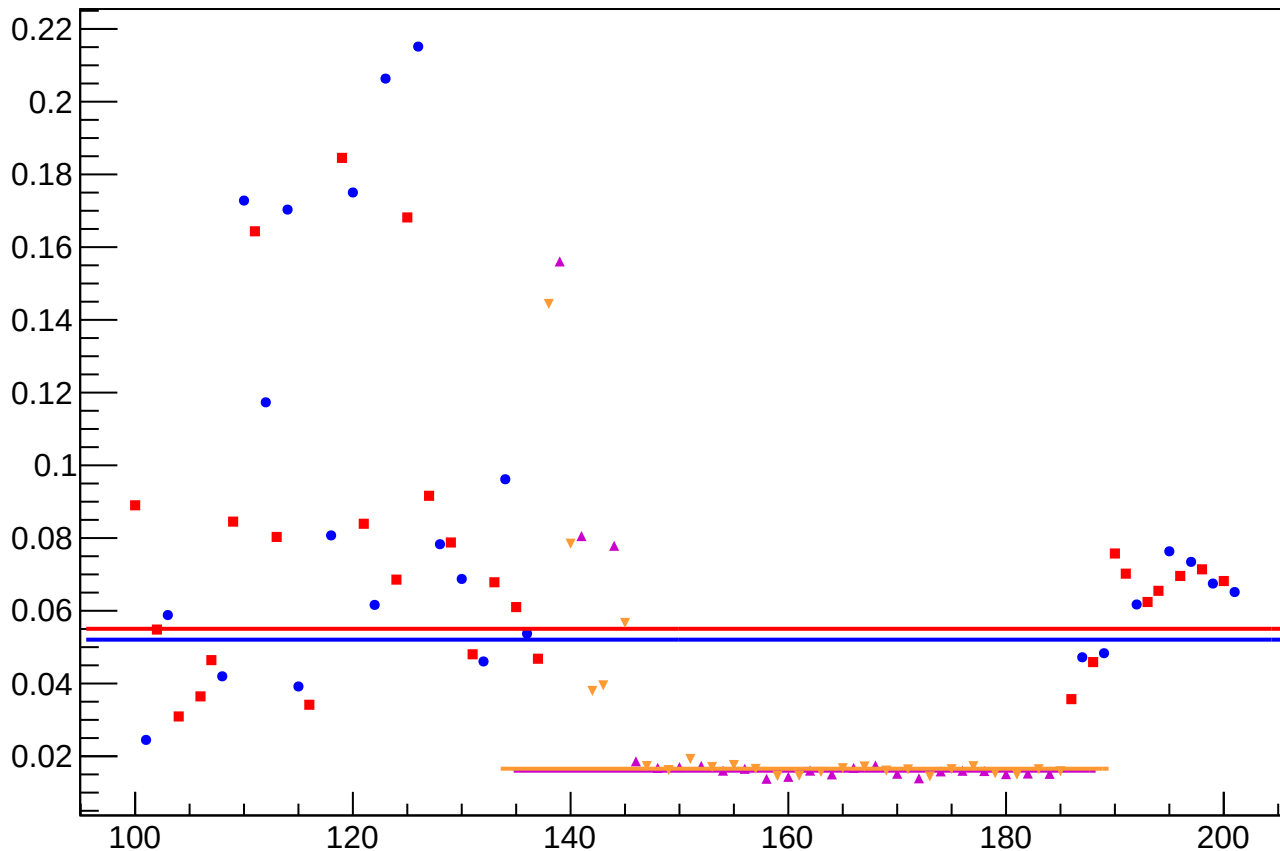
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.203 ± 0.000 $\chi^2/\text{NDF}: 89459167315.8/48$

All: 2.165 ± 0.000 $\chi^2/\text{NDF}: 177888836587.0$

- sign 2.129 ± 0.000 $\chi^2/\text{NDF}: 88281715920.8/50$

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3431461.1/23

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2794764.2/27

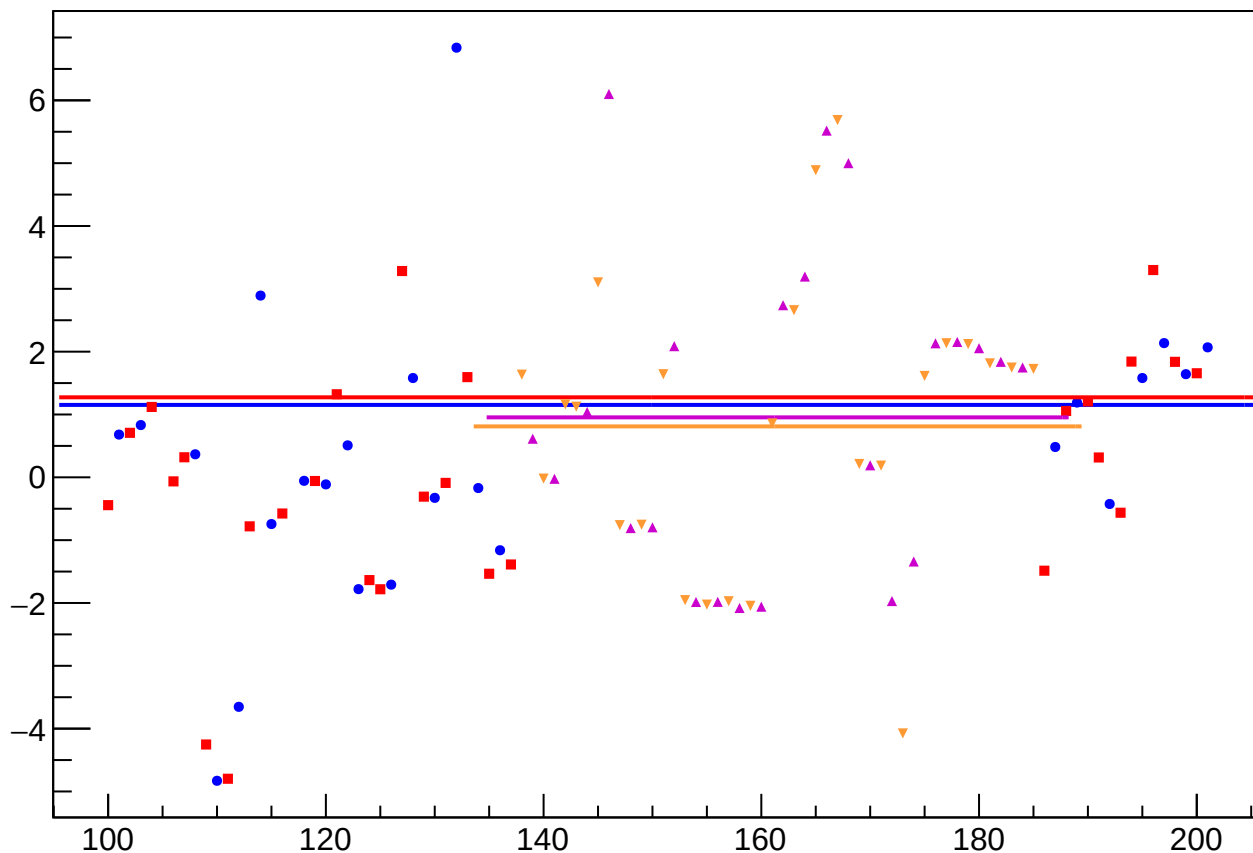
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 12785306.9/48

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 26925650.9/99

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 14137674.0/50

yield_bpm1Y_mean vs Slug



Right In: 1.153 $\pm$ 0.000 χ^2 /NDF: 21137056650.5/23

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 1.273 $\pm$ 0.000 χ^2 /NDF: 23852033400.0/27

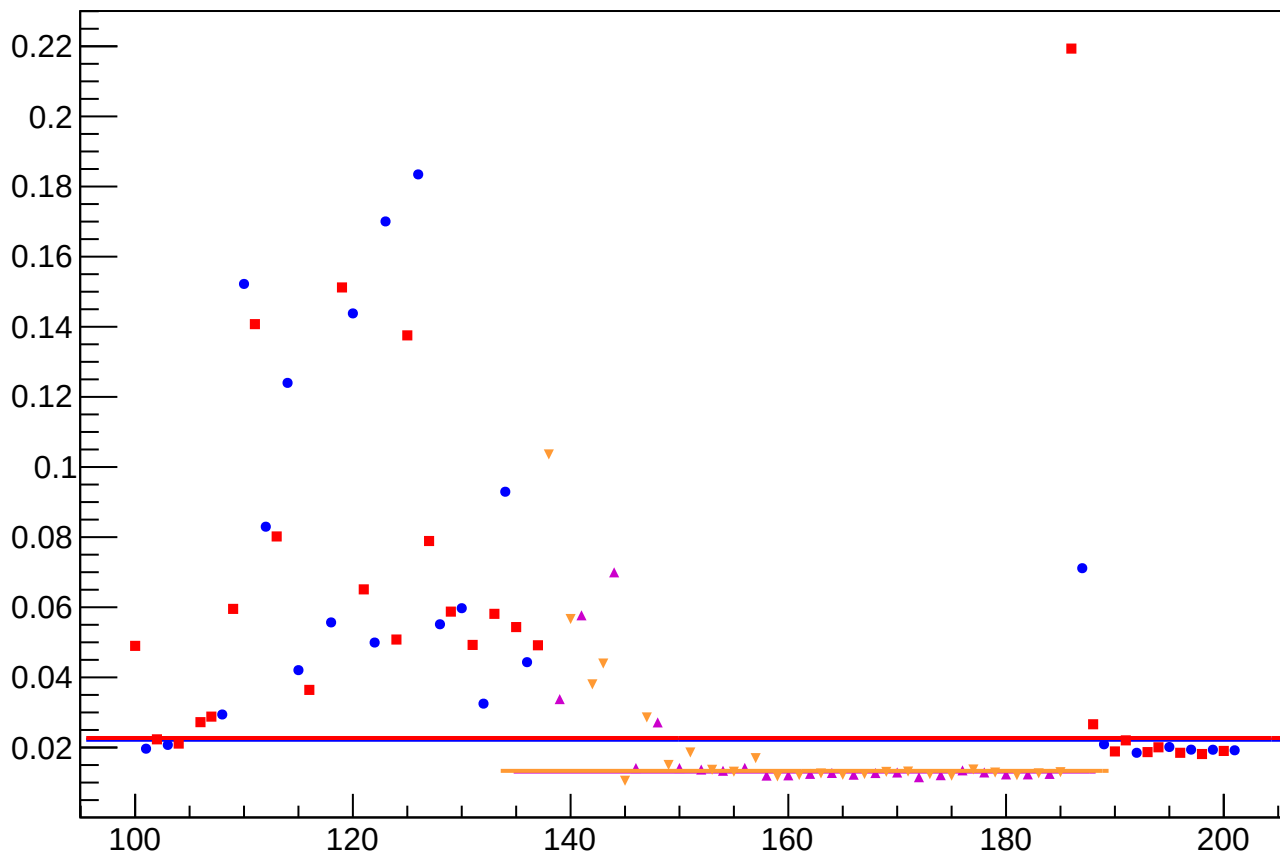
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 0.860 $\pm$ 0.000 χ^2 /NDF: 530158894368.9/48

All: 0.932 $\pm$ 0.000 χ^2 /NDF: 1131192508795.

- sign 1.004 $\pm$ 0.000 χ^2 /NDF: 599994286699.2/50

yield_bpm1Y_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 3671349.0/23

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829070.5/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 4758452.4/27

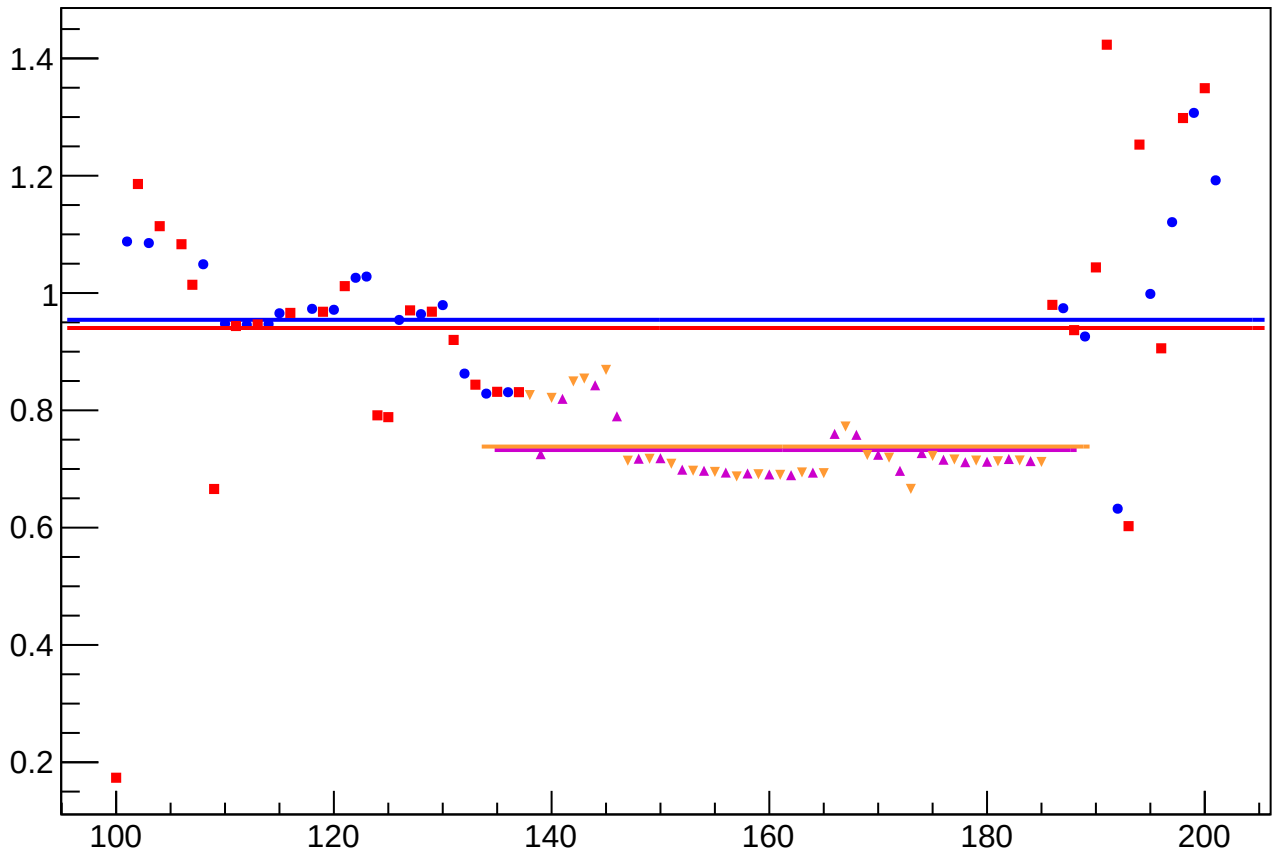
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 8433398.9/48

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 17591965.3/99

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 9158564.7/50

yield_bpm11X_mean vs Slug



Right In: 0.954 $\pm$ 0.000 χ^2 /NDF: 452809741.9/23

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

+ sign 0.800 $\pm$ 0.000 χ^2 /NDF: 1918930707.1/48

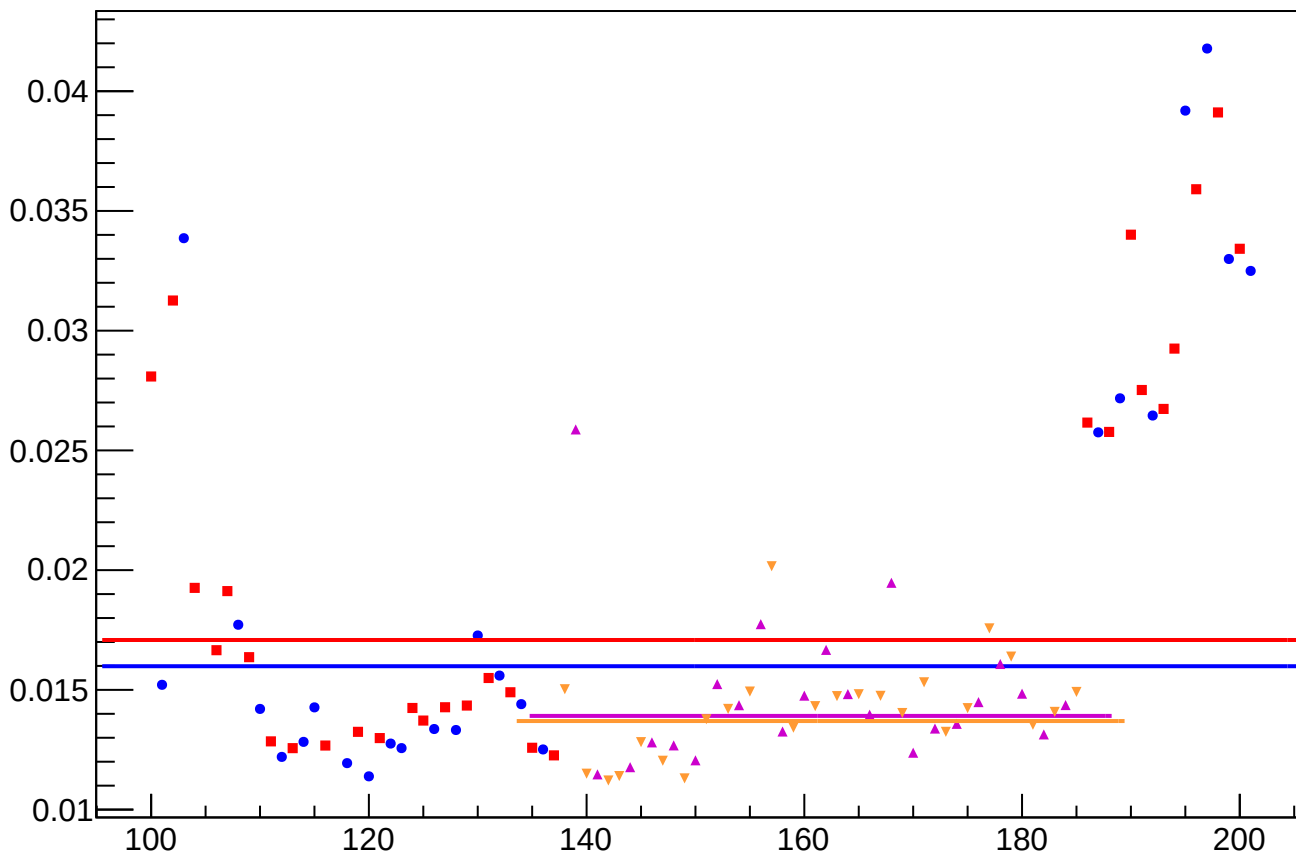
Right Out: 0.940 $\pm$ 0.000 χ^2 /NDF: 852605091.3/27

All: 0.798 $\pm$ 0.000 χ^2 /NDF: 4006443455.8/99

Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

- sign 0.796 $\pm$ 0.000 χ^2 /NDF: 2086490347.0/50

yield_bpm11X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 3165706.4/23

Left Out: 0.014+/-0.000 χ^2/NDF : 530851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF : 3172228.0/27

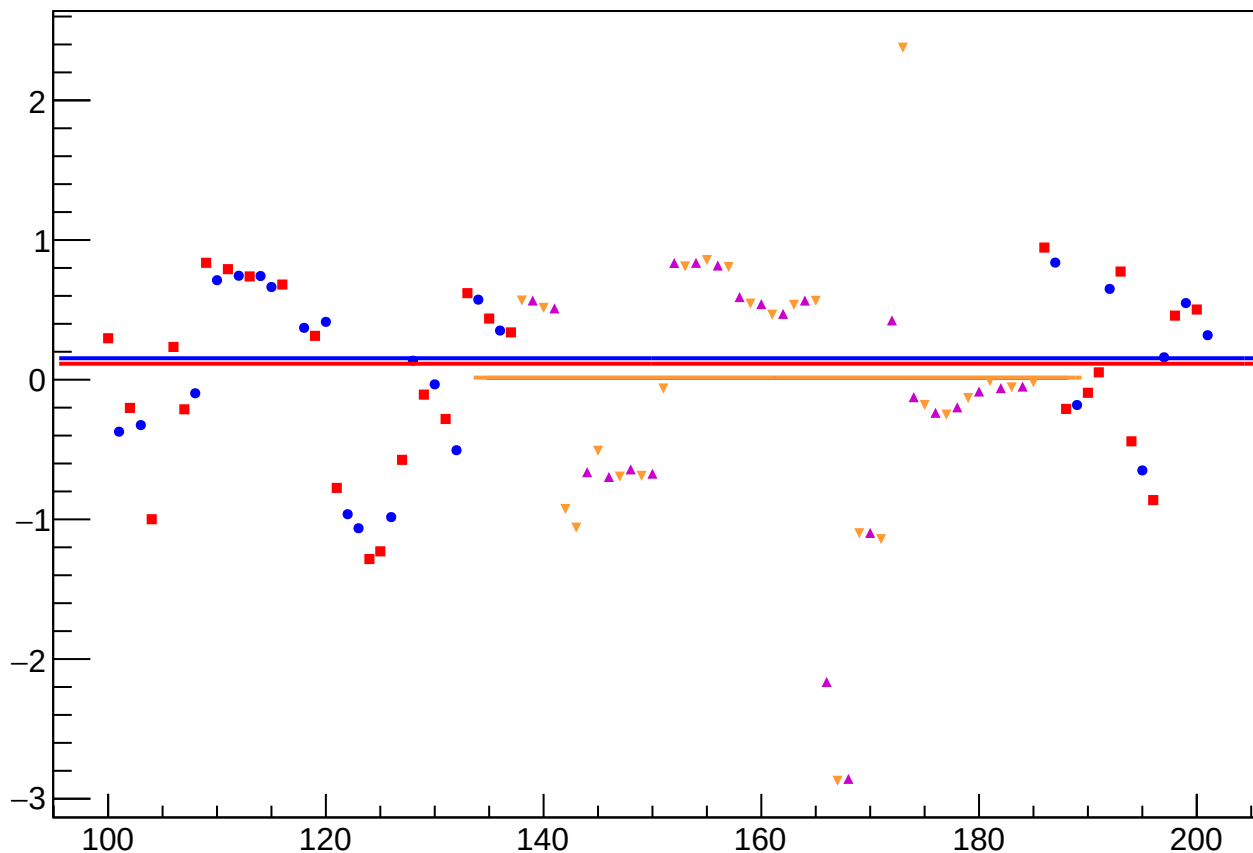
Left In: 0.014+/-0.000 χ^2/NDF : 794558.0/22

+ sign 0.014+/-0.000 χ^2/NDF : 3955955.1/48

All: 0.015+/-0.000 χ^2/NDF : 8449388.1/99

- sign 0.015+/-0.000 χ^2/NDF : 4460381.5/50

yield_bpm11Y_mean vs Slug



Right In: 0.154 $\pm$ 0.000 χ^2 /NDF: 13571704454.0/23

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96087835995.8/24

Right Out: 0.114 $\pm$ 0.000 χ^2 /NDF: 24610536292.4/27

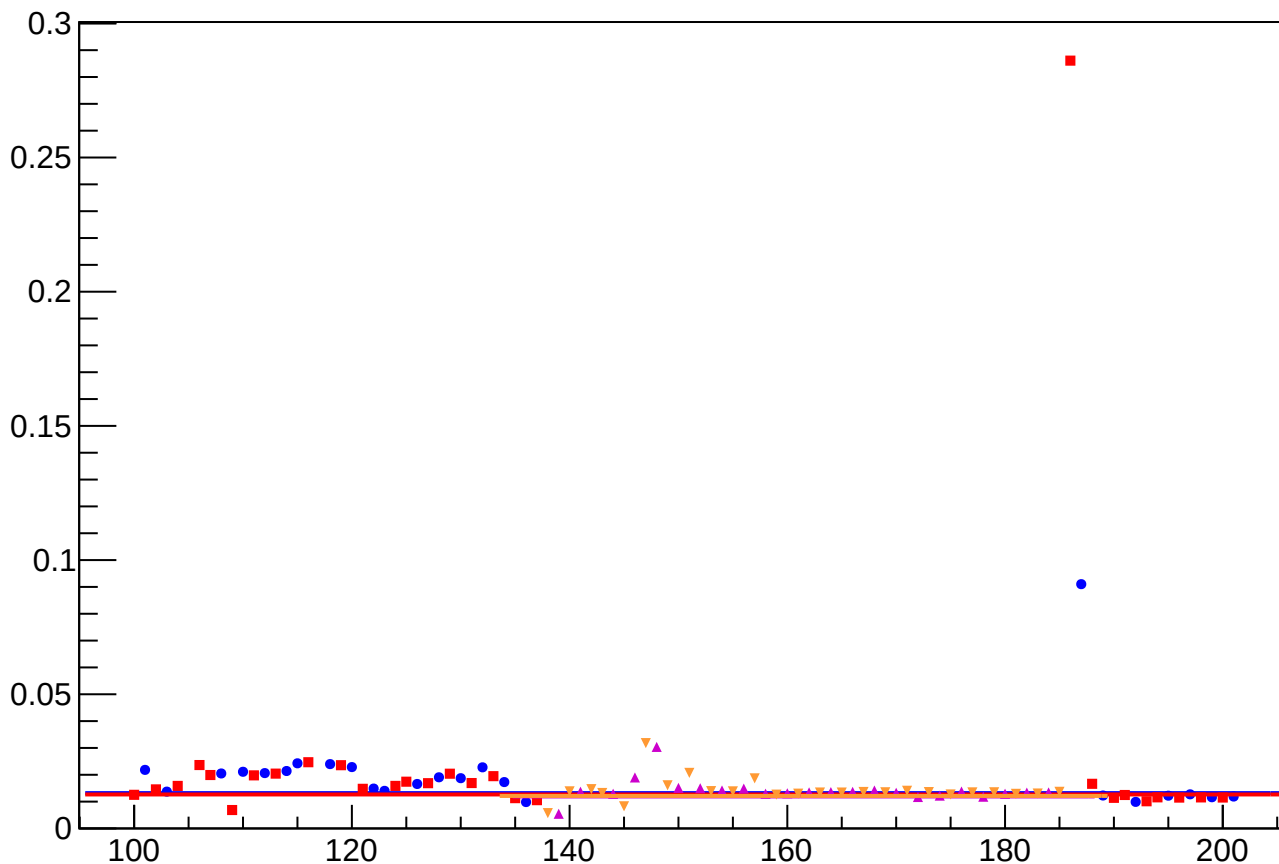
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.061 $\pm$ 0.000 χ^2 /NDF: 110361901372.1/48

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 214839860273.9

- sign 0.051 $\pm$ 0.000 χ^2 /NDF: 104470348885.6/50

yield_bpm11Y_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1833257.6/23

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2518648.1/27

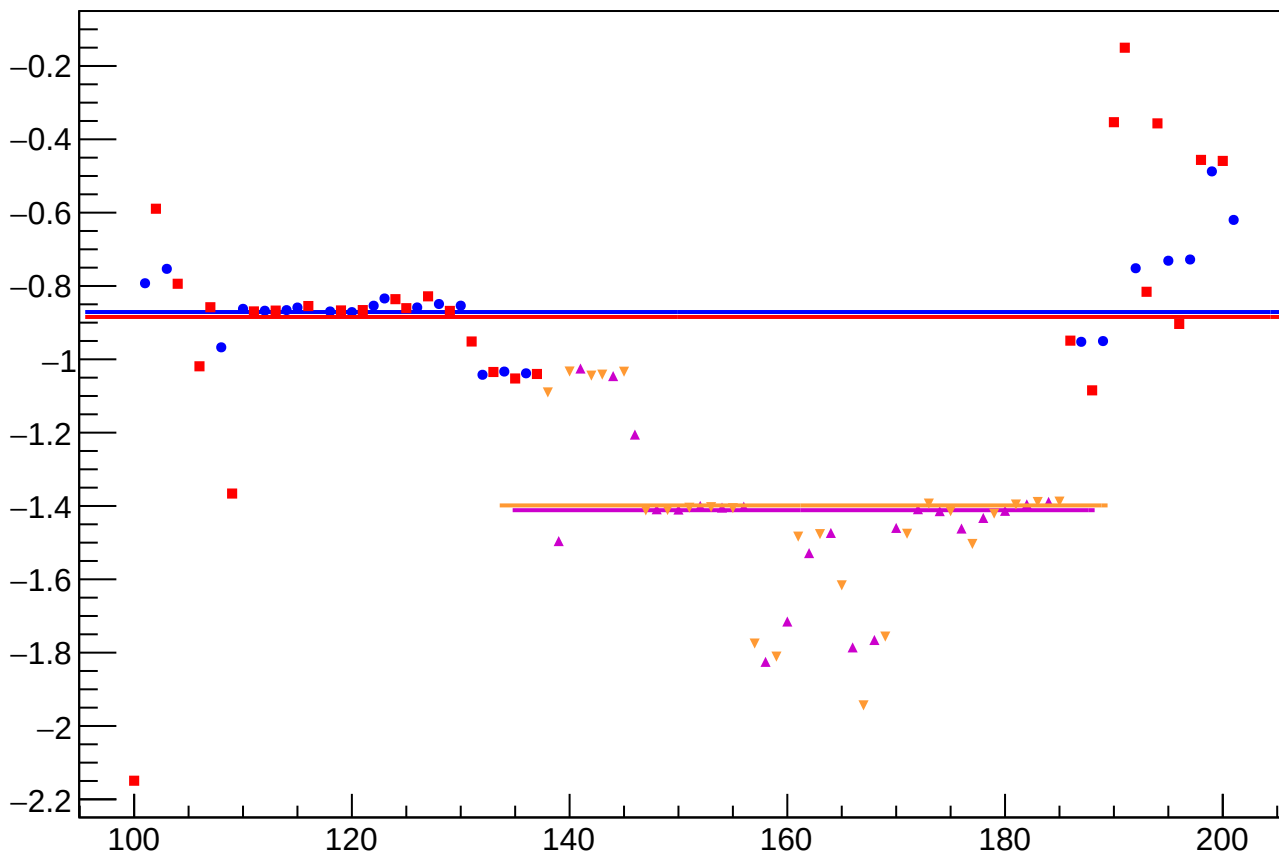
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5021788.8/48

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10701889.0/99

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5668976.6/50

yield_bpm12X_mean vs Slug



Right In: -0.871 ± 0.000 χ^2/NDF : 77522873.9/23

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.885 ± 0.000 χ^2/NDF : 281651903.5/27

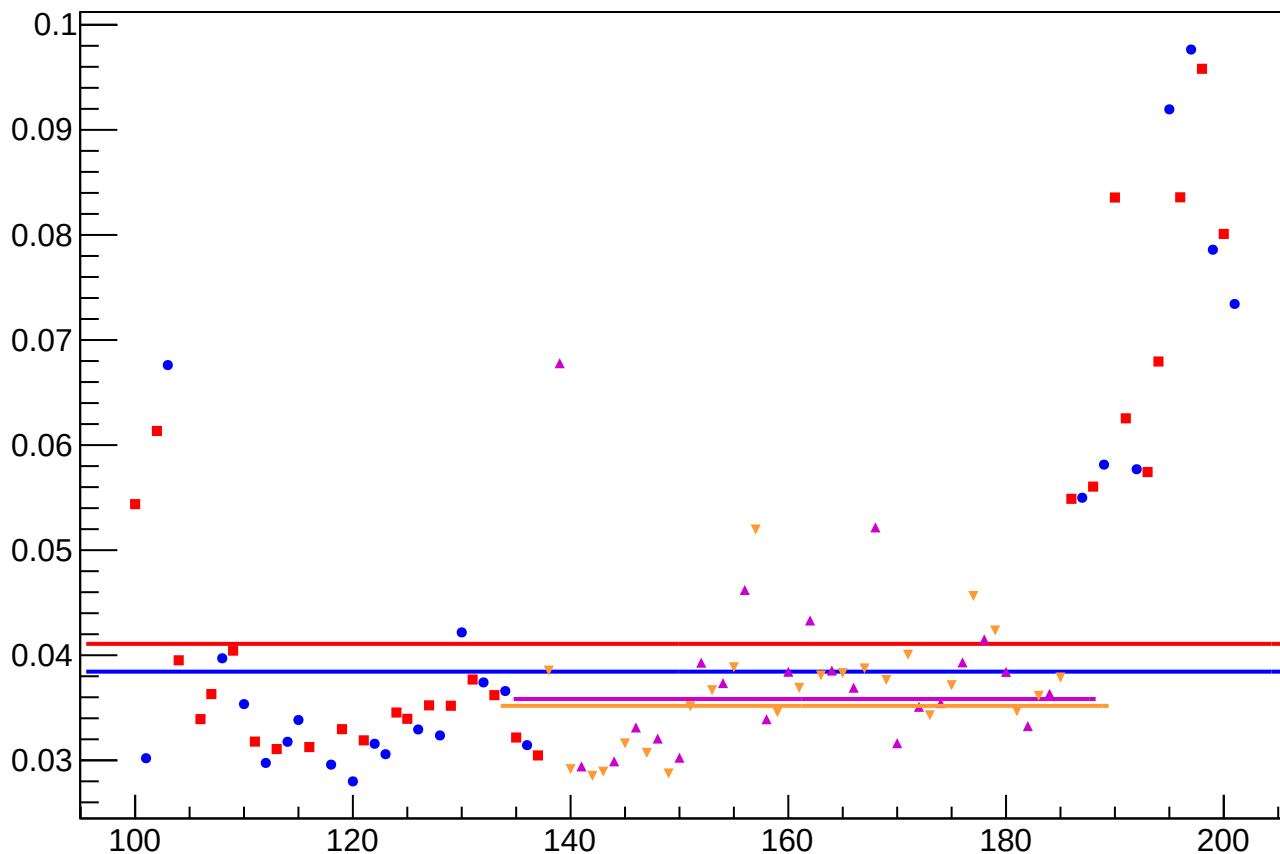
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.230 ± 0.000 χ^2/NDF : 1969538751.3/48

All: -1.230 ± 0.000 χ^2/NDF : 3902467438.2/9

- sign -1.231 ± 0.000 χ^2/NDF : 1932903663.1/50

yield_bpm12X_rms vs Slug



Right In: 0.038 ± 0.000 χ^2/NDF : 2793342.5/23

Left Out: 0.035 ± 0.000 χ^2/NDF : 597886.0/24

Right Out: 0.041 ± 0.000 χ^2/NDF : 2676617.6/27

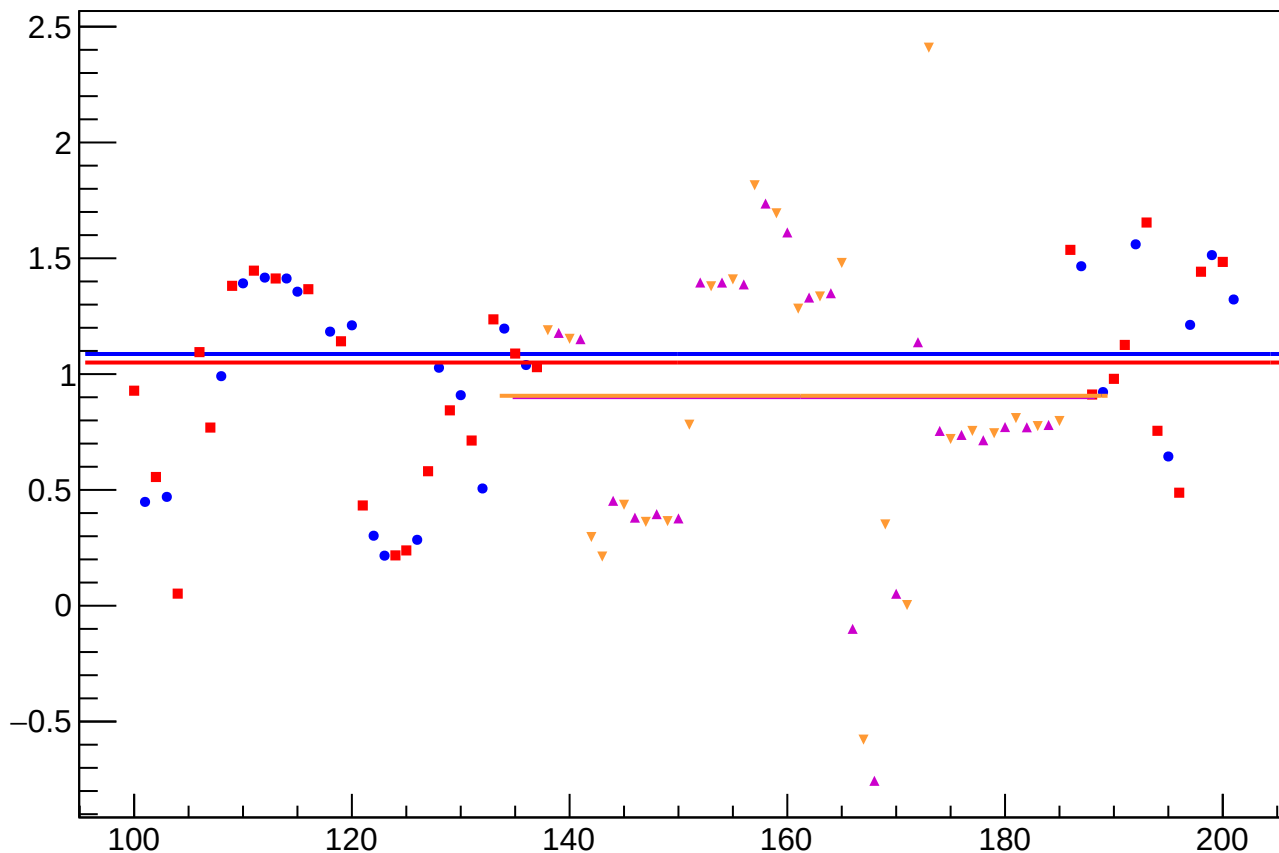
Left In: 0.036 ± 0.000 χ^2/NDF : 890993.5/22

+ sign 0.036 ± 0.000 χ^2/NDF : 3479575.8/48

All: 0.037 ± 0.000 χ^2/NDF : 7309838.5/99

- sign 0.038 ± 0.000 χ^2/NDF : 3793268.2/50

yield_bpm12Y_mean vs Slug



Right In: 1.087 $\pm$ 0.000 χ^2 /NDF: 17876340965.3/23

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 1.050 $\pm$ 0.000 χ^2 /NDF: 23891418438.6/27

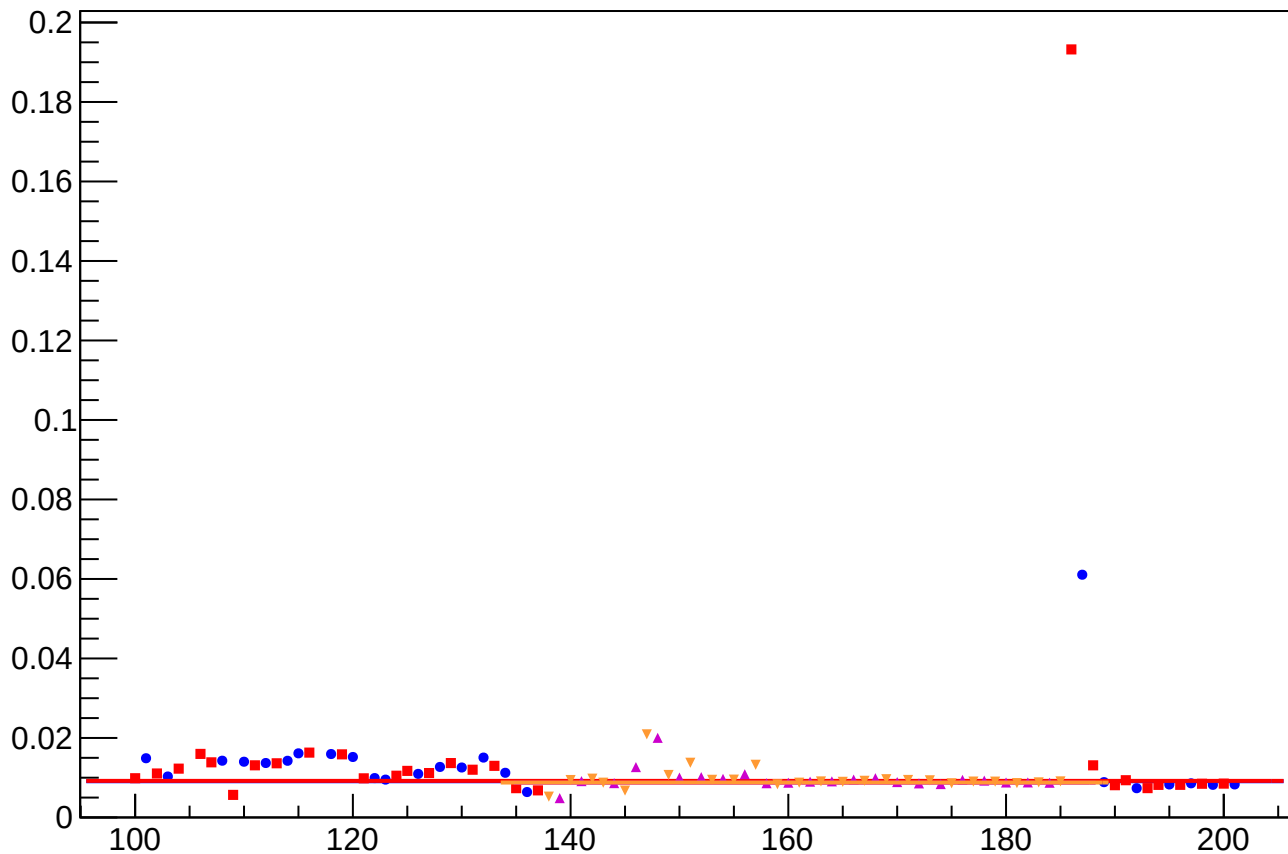
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.969 $\pm$ 0.000 χ^2 /NDF: 104459862682.7/48

All: 0.963 $\pm$ 0.000 χ^2 /NDF: 197064597242.8

- sign 0.957 $\pm$ 0.000 χ^2 /NDF: 92581277980.0/50

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1708083.3/23

Left Out: 0.009+/-0.000 χ^2/NDF :1698526.2/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2182379.2/27

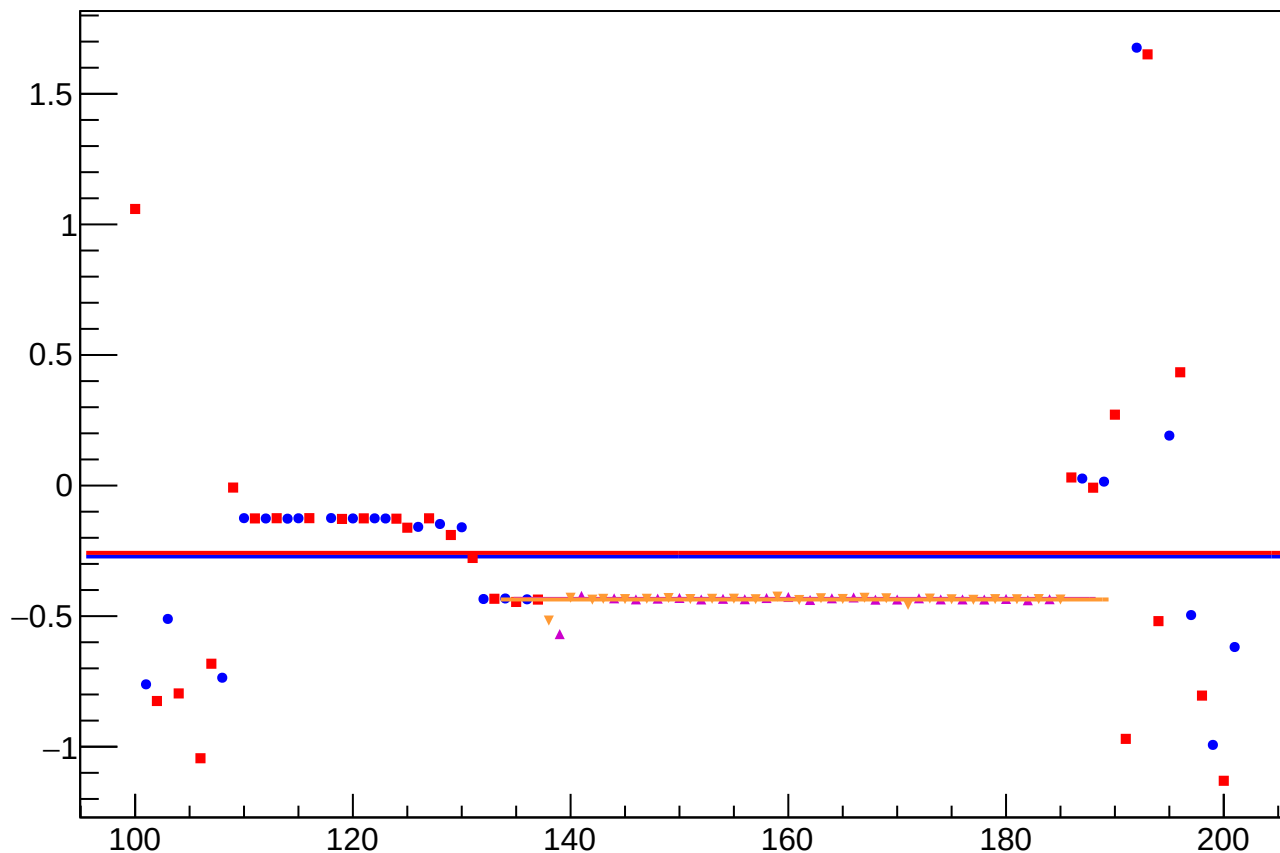
Left In: 0.009+/-0.000 χ^2/NDF :1669983.7/22

+ sign 0.009+/-0.000 χ^2/NDF : 3422594.3/48

All: 0.009+/-0.000 χ^2/NDF : 7309237.2/99

- sign 0.009+/-0.000 χ^2/NDF : 3886560.9/50

yield_bpm16X_mean vs Slug



Right In: -0.272 ± 0.000 $\chi^2/\text{NDF}: 2020784747.1/23$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28776503.9/24$

Right Out: -0.258 ± 0.000 $\chi^2/\text{NDF}: 2029417764.2/27$

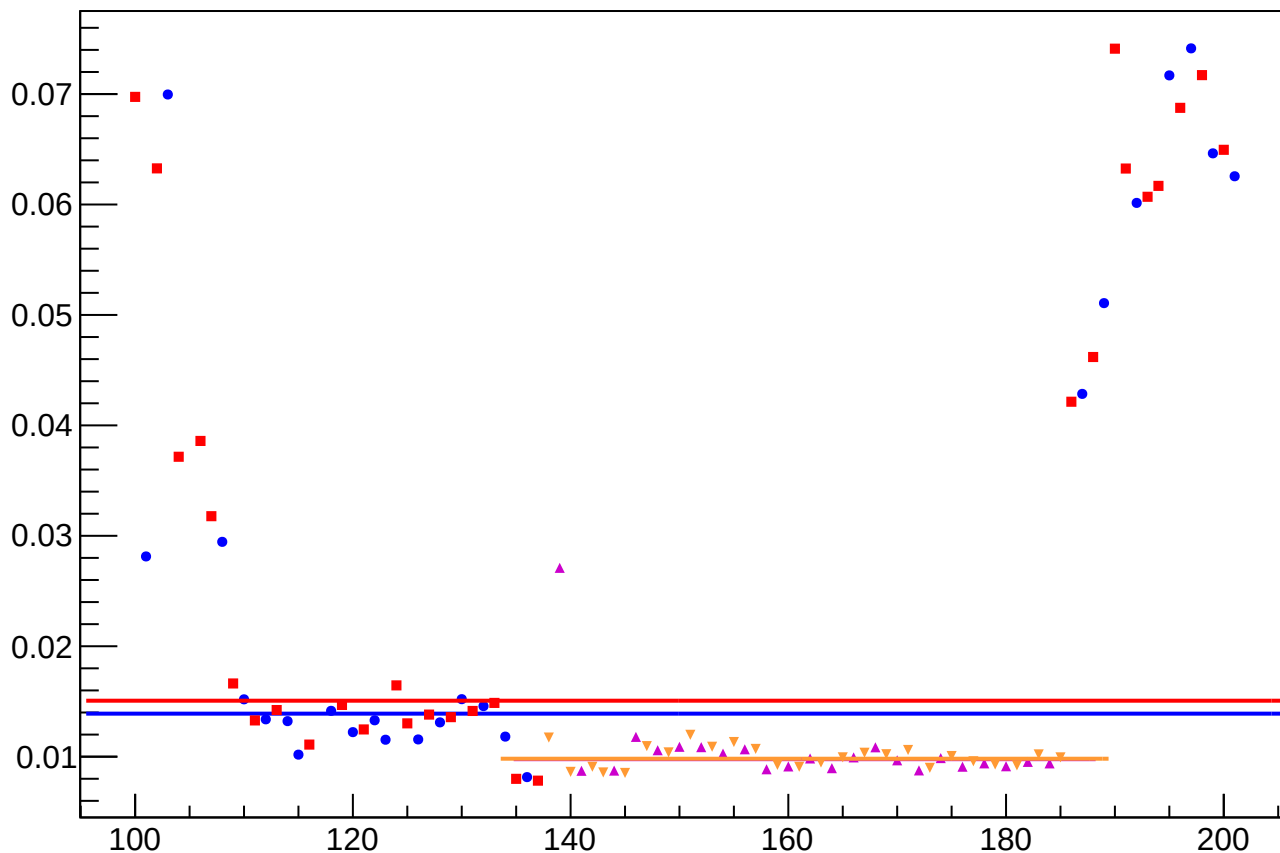
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20164730.3/22$

+ sign -0.409 ± 0.000 $\chi^2/\text{NDF}: 2787170306.8/48$

All: -0.406 ± 0.000 $\chi^2/\text{NDF}: 5648925064.6/9$

- sign -0.404 ± 0.000 $\chi^2/\text{NDF}: 2859743185.8/50$

yield_bpm16X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 7414498.3/23

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 271172.3/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 8641483.2/27

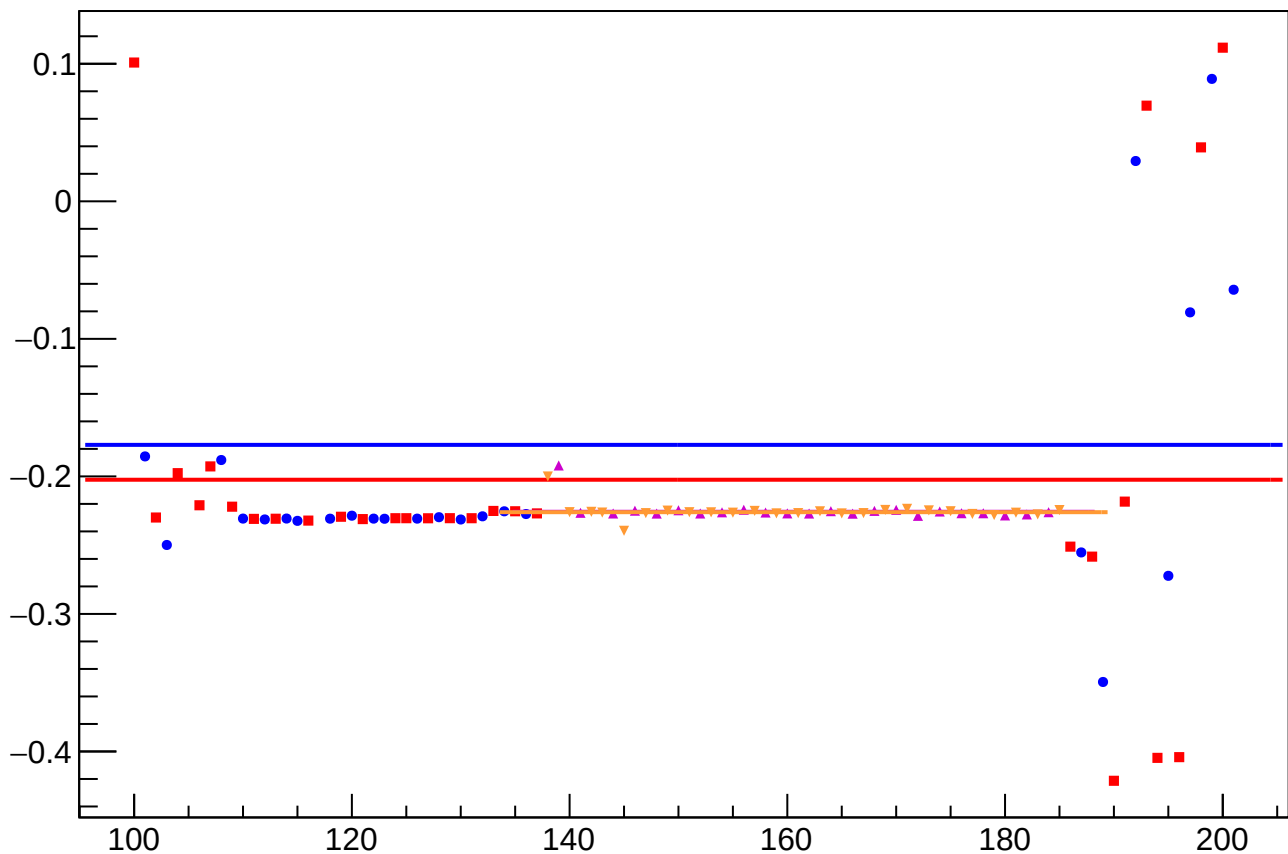
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 786577.8/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 8591497.4/48

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 19486629.2/99

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 10889361.2/50

yield_bpm16Y_mean vs Slug



Right In: -0.177 ± 0.000 $\chi^2/\text{NDF}: 4457287872.7/23$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21207366.3/24$

Right Out: -0.202 ± 0.000 $\chi^2/\text{NDF}: 7570913004.1/27$

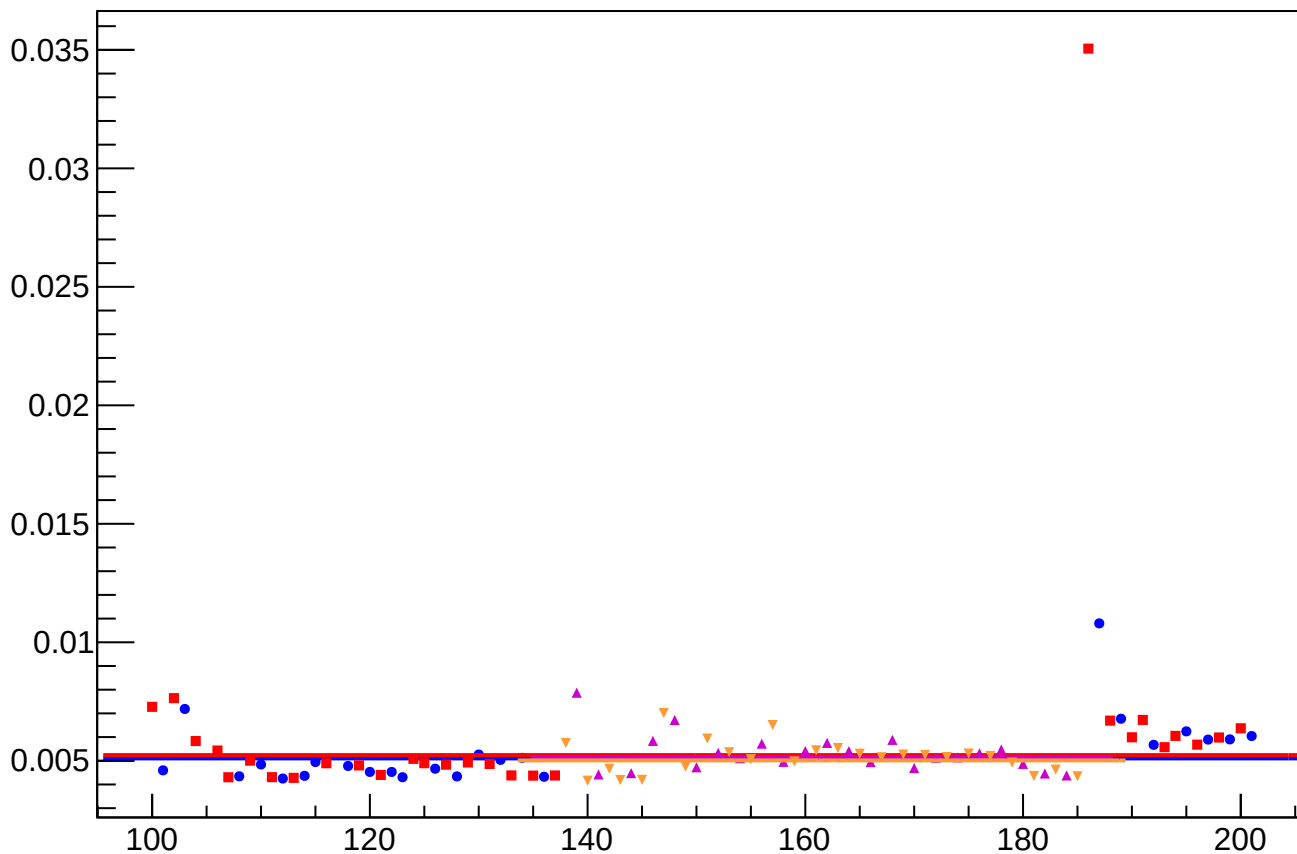
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 13717302.5/22$

+ sign -0.208 ± 0.000 $\chi^2/\text{NDF}: 5077702192.5/48$

All: -0.212 ± 0.000 $\chi^2/\text{NDF}: 12833272703.5/50$

- sign -0.216 ± 0.000 $\chi^2/\text{NDF}: 7720521007.3/50$

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 565500.9/23

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1108850.1/27

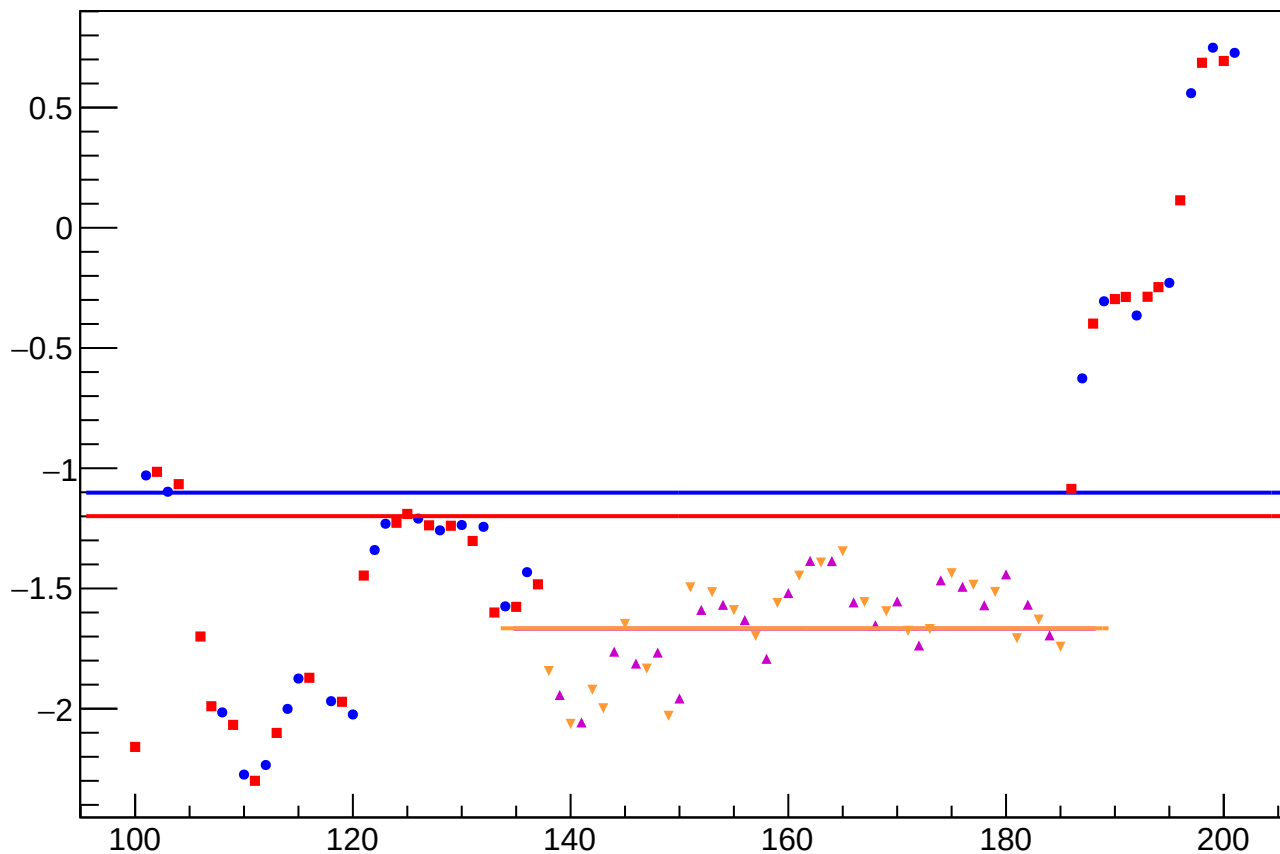
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1101676.8/48

All: 0.005+/-0.000 χ^2/NDF : 2739179.4/99

- sign 0.005+/-0.000 χ^2/NDF : 1616959.2/50

yield_bpm0l01X_mean vs Slug



Right In: -1.102 ± 0.000 $\chi^2/\text{NDF}: 124108531773.2/23$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18368038680.8/24$

Right Out: -1.199 ± 0.000 $\chi^2/\text{NDF}: 147203529003.1/27$

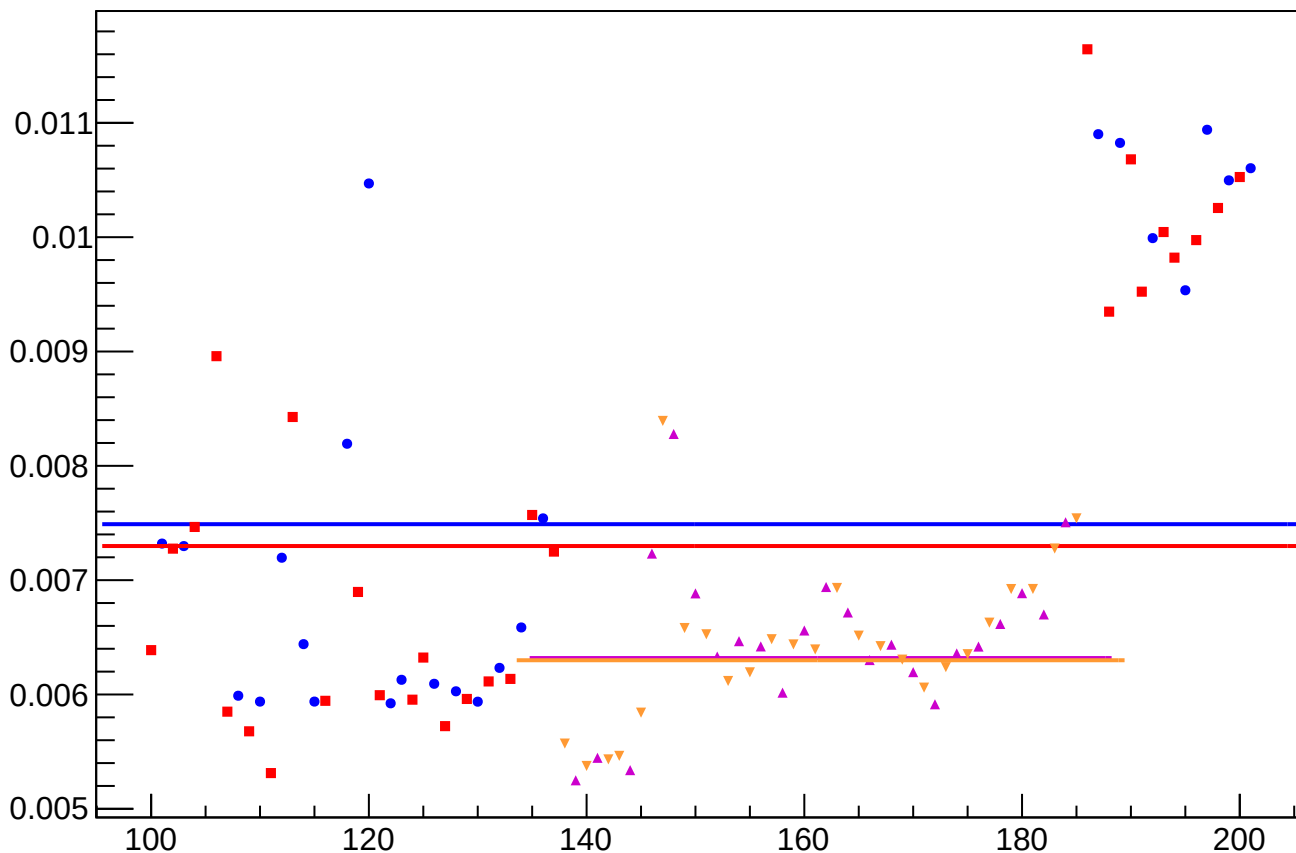
Left In: -1.667 ± 0.000 $\chi^2/\text{NDF}: 14615453869.3/22$

+ sign -1.502 ± 0.000 $\chi^2/\text{NDF}: 183366191008.4/48$

All: -1.503 ± 0.000 $\chi^2/\text{NDF}: 376589033596.8$

- sign -1.505 ± 0.000 $\chi^2/\text{NDF}: 193219847624.7/50$

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 1118686.0/23

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:312811.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1413255.5/27

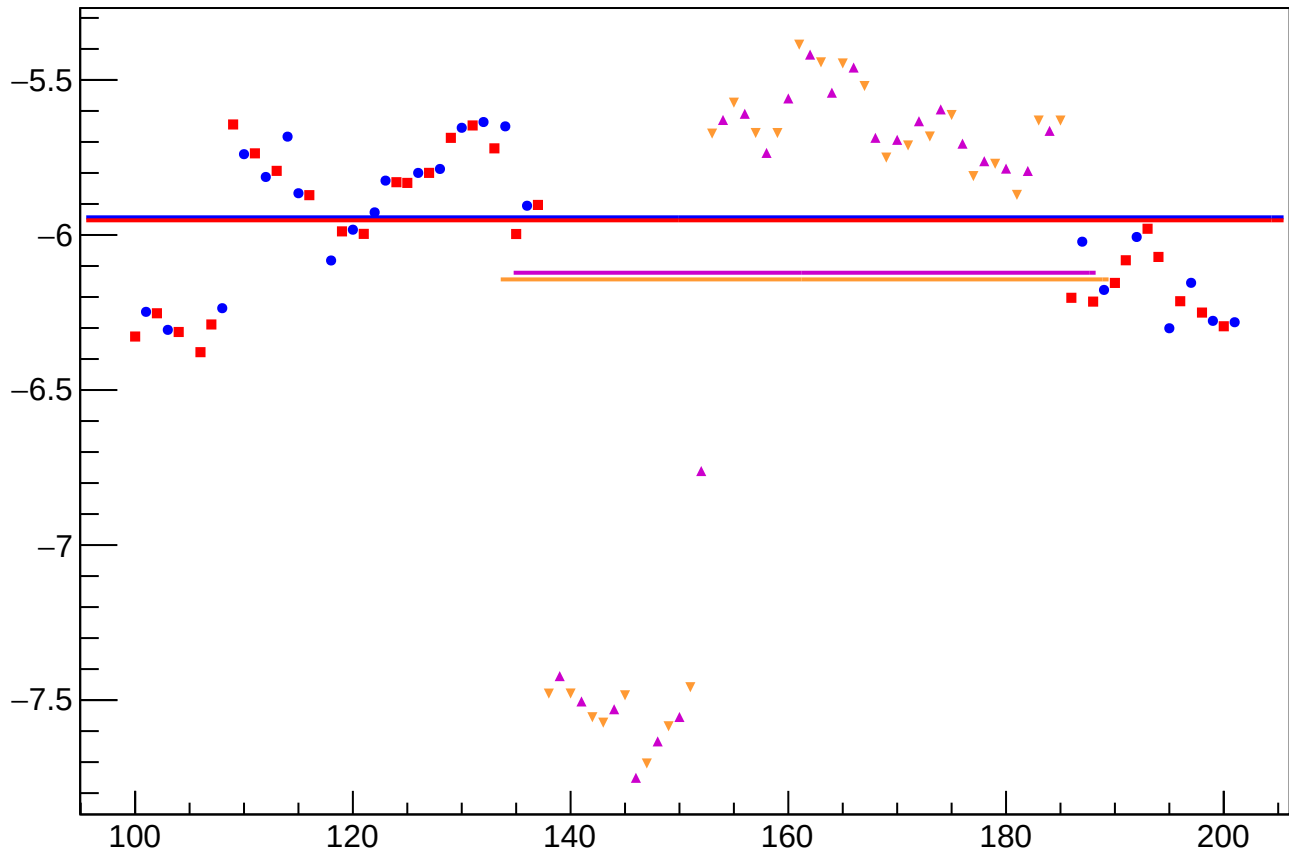
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:334332.4/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1795492.7/48

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3818776.1/99

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2023177.1/50

yield_bpm0l01Y_mean vs Slug



Right In: -5.943+/-0.000 χ^2/NDF : 13324541342.2/23

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.953+/-0.000 χ^2/NDF : 14983031098.4/27

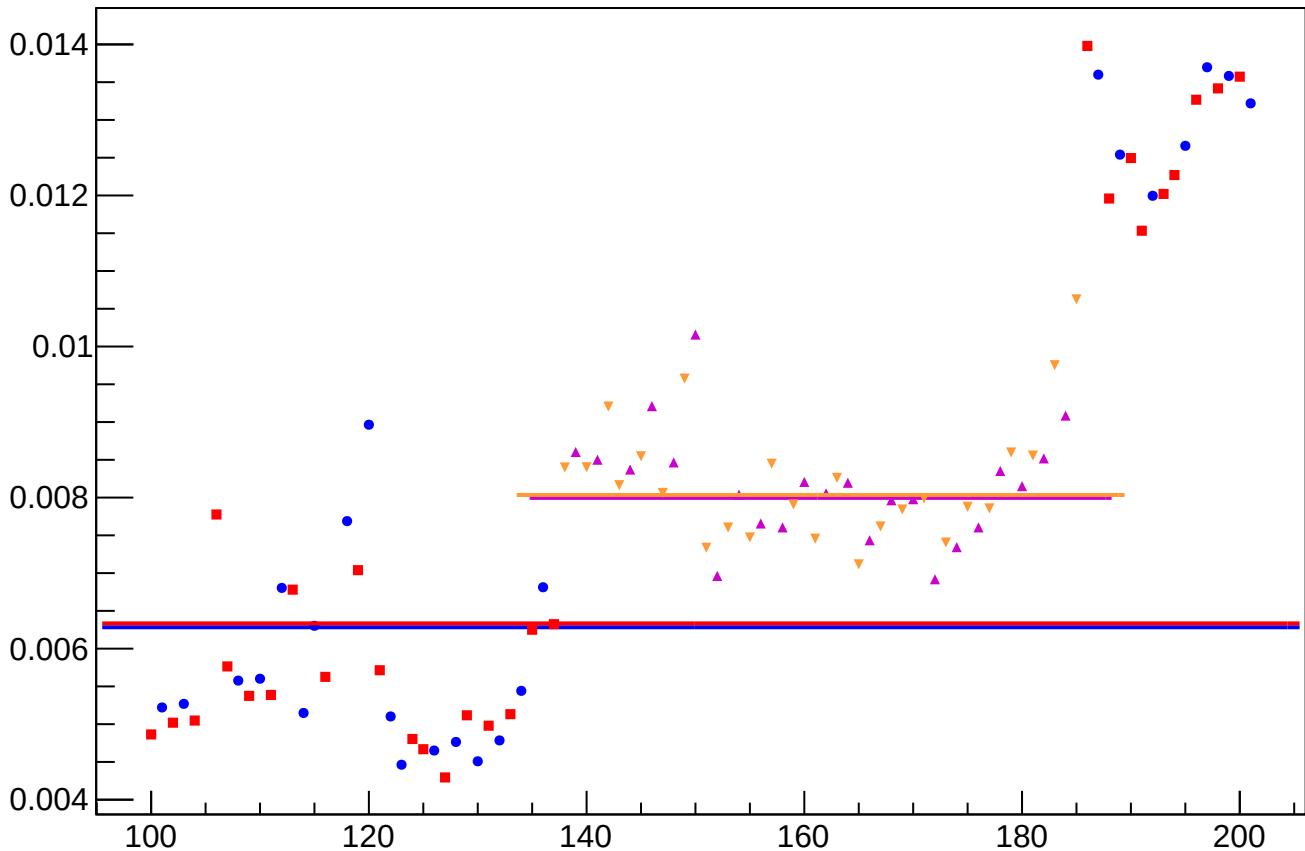
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.049+/-0.000 χ^2/NDF : 203900318381.4/48

All: -6.042+/-0.000 χ^2/NDF : 382457918154.6

- sign -6.036+/-0.000 χ^2/NDF : 178512688579.3/50

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 3087011.5/23

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 3547915.0/27

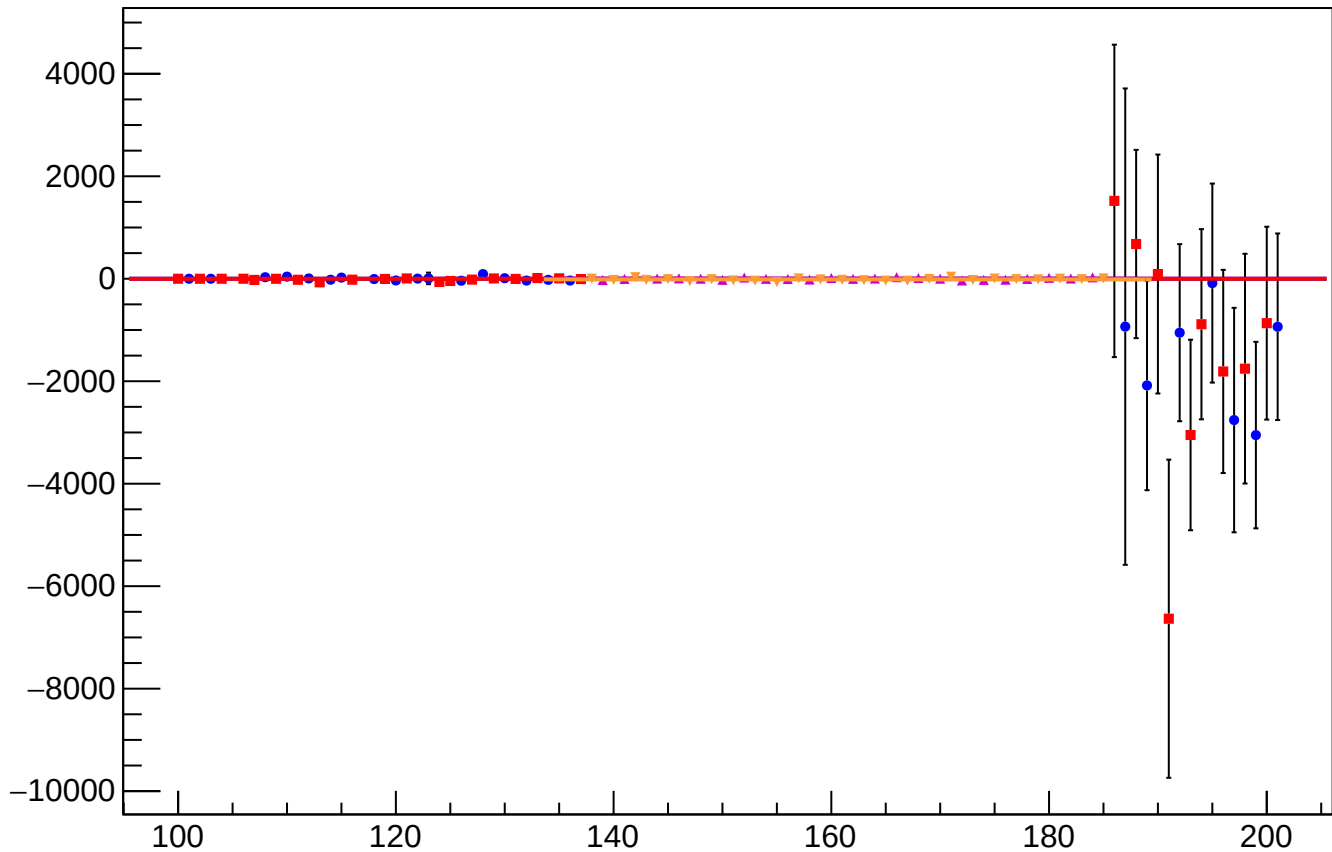
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 4036160.5/48

All: 0.007+/-0.000 χ^2/NDF : 8505502.2/99

- sign 0.007+/-0.000 χ^2/NDF : 4467497.1/50

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 22.4/23

Left Out: -13.472 ± 2.796 χ^2/NDF : 58.5/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 24.5/27

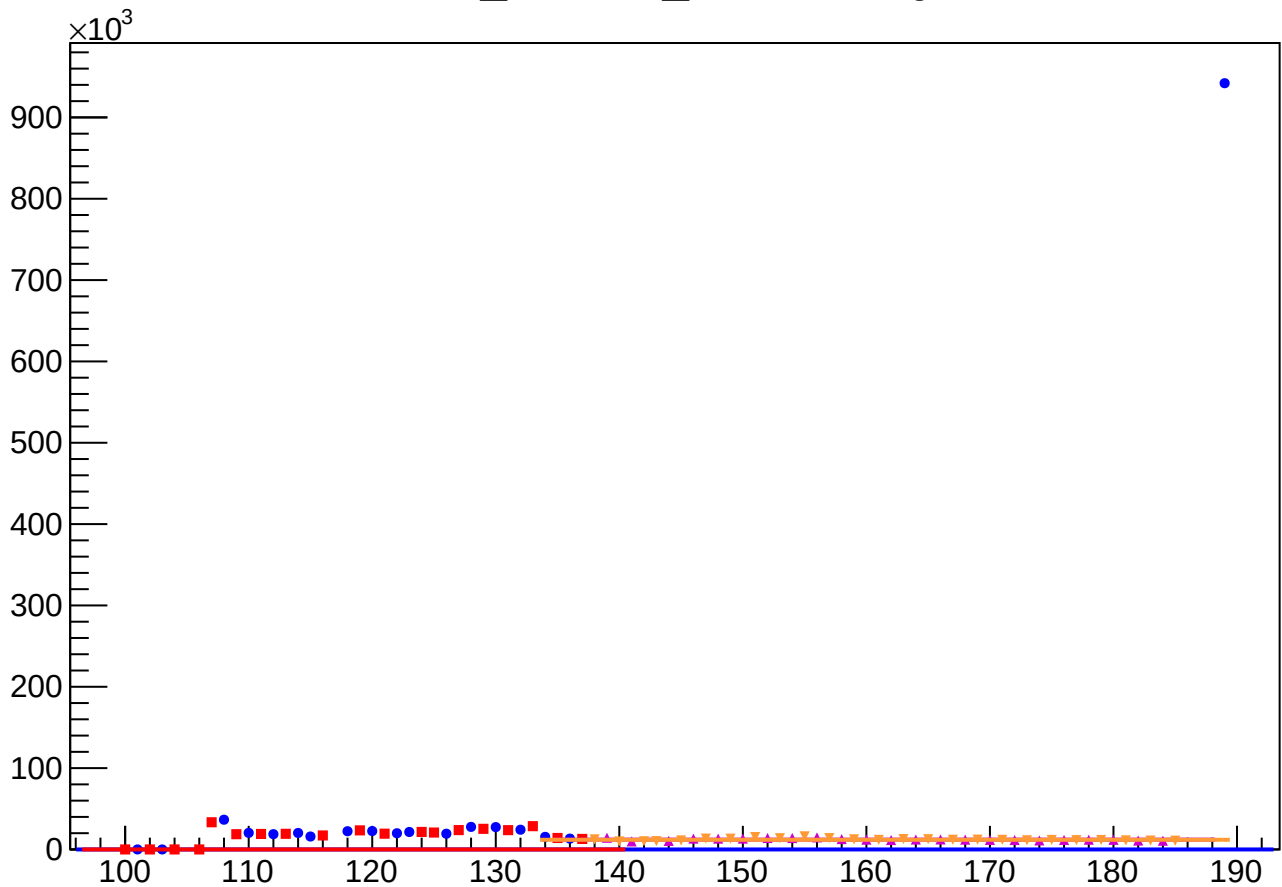
Left In: -0.489 ± 2.905 χ^2/NDF : 28.7/22

+ sign 0.013 ± 0.017 χ^2/NDF : 104.1/48

All: 0.008 ± 0.012 χ^2/NDF : 157.5/99

- sign 0.003 ± 0.016 χ^2/NDF : 53.2/50

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

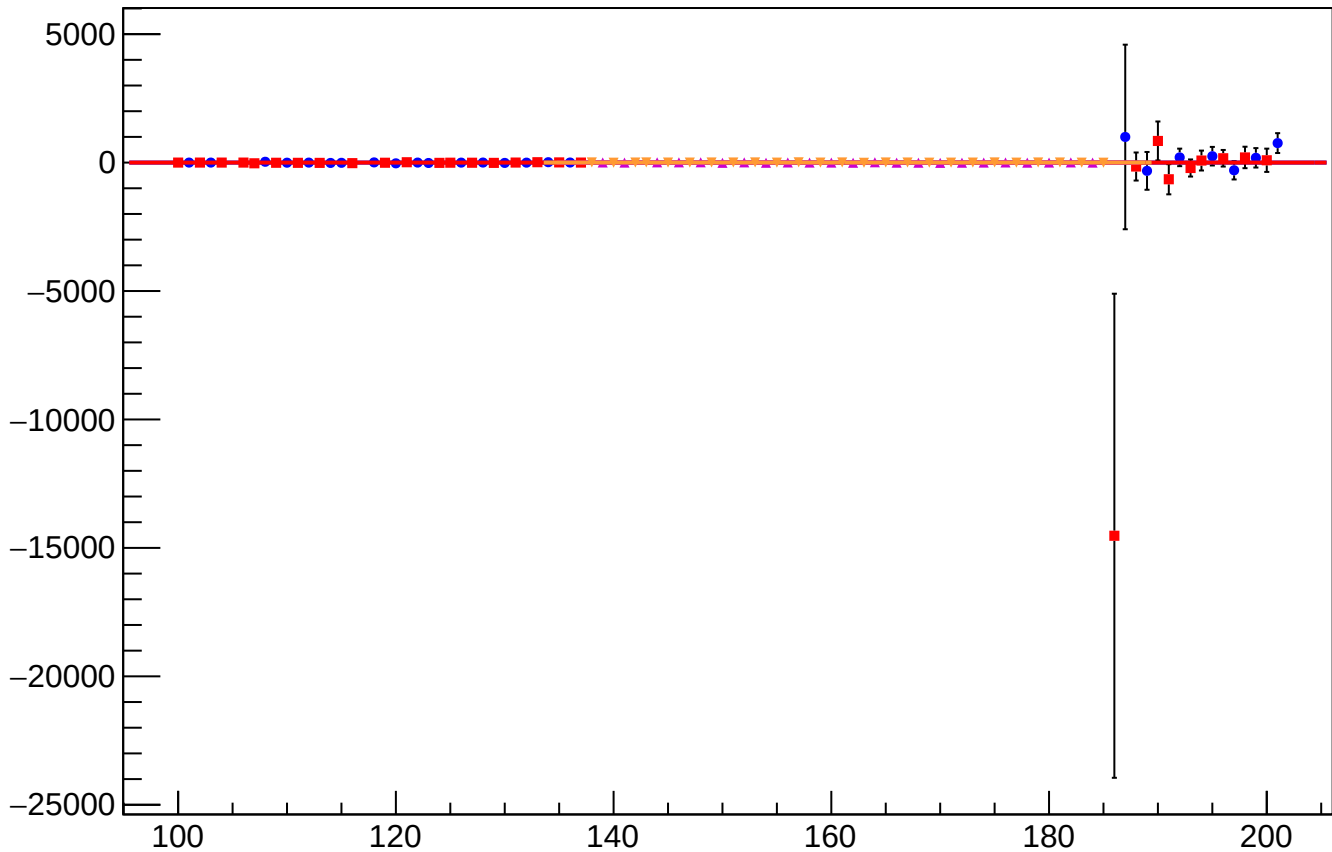
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ 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: 20.5/23

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.5/27

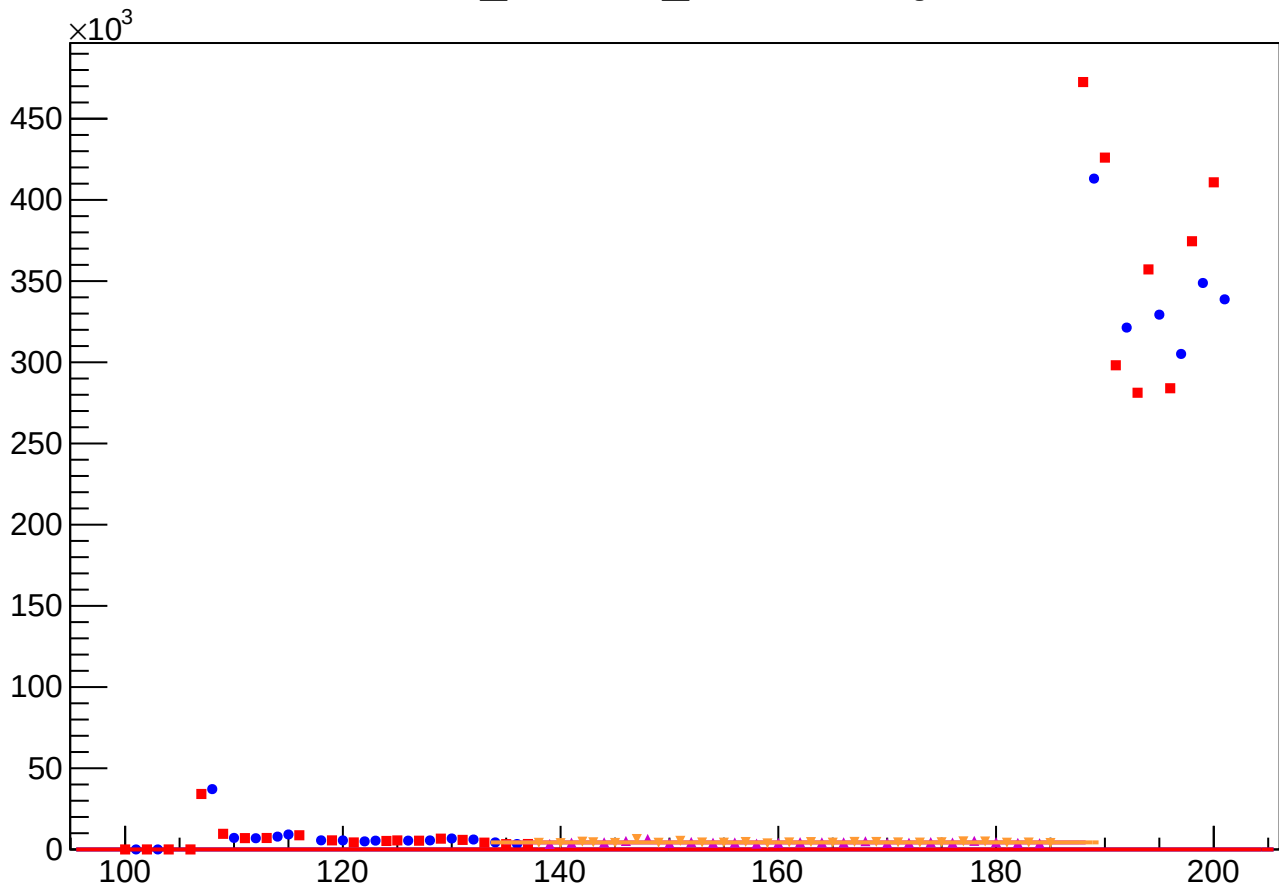
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 41.1/48

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 103.0/99

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.8/50

diff_cav4bY_rms vs Slug



Right In: 9.939 ± 0.007 χ^2/NDF : 19667558.7/22

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 21653009.7/26

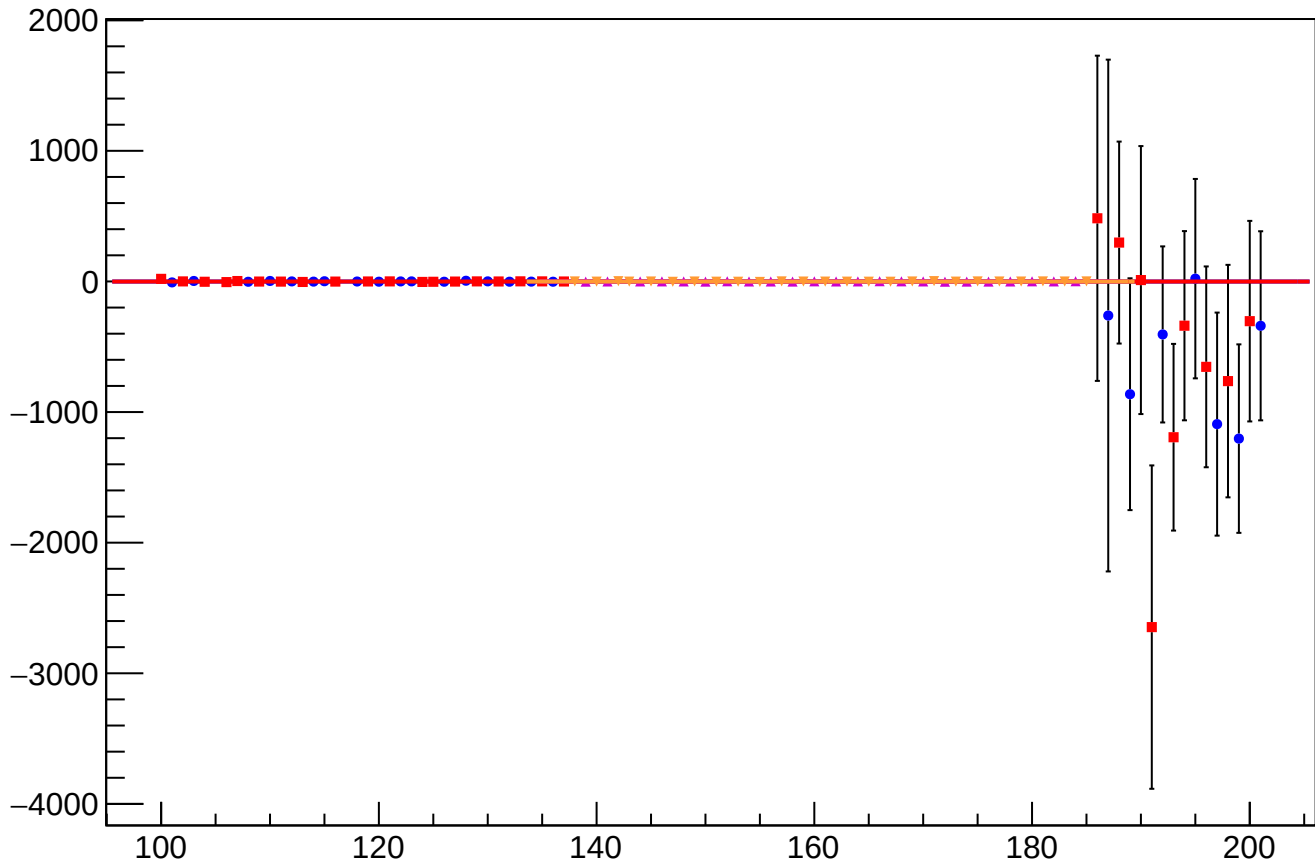
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.291 ± 0.007 χ^2/NDF : 56195537.4/47

All: 10.217 ± 0.004 χ^2/NDF : 112446441.9/97

- sign 10.151 ± 0.006 χ^2/NDF : 56250658.0/49

diff_cav4cX_mean vs Slug



Right In: -0.703 $\pm$ 0.485 χ^2/NDF : 28.4/23

Left Out: -0.774 $\pm$ 0.164 χ^2/NDF : 58.4/24

Right Out: -0.762 $\pm$ 0.502 χ^2/NDF : 21.2/27

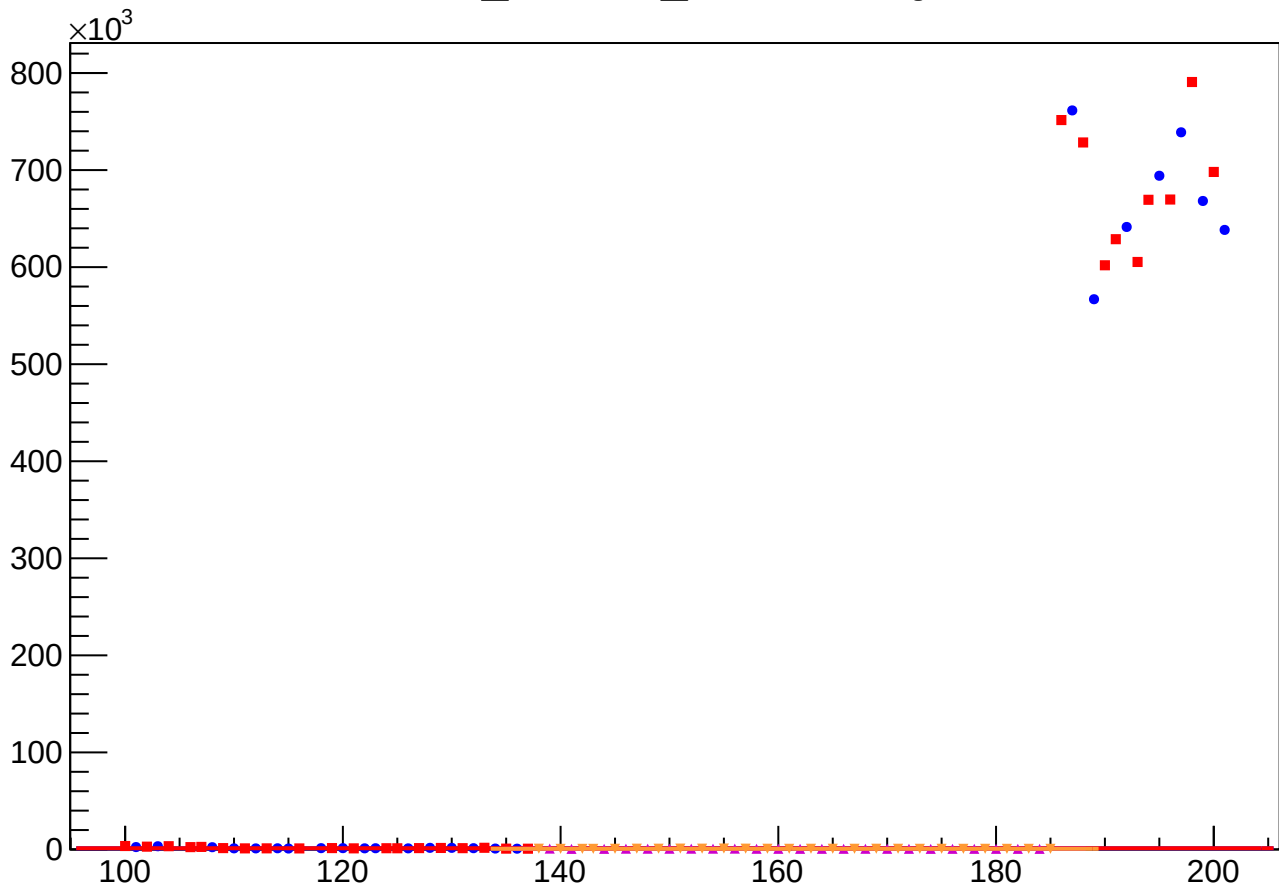
Left In: -0.020 $\pm$ 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 $\pm$ 0.156 χ^2/NDF : 86.8/48

All: -0.444 $\pm$ 0.112 χ^2/NDF : 148.2/99

- sign -0.097 $\pm$ 0.161 χ^2/NDF : 52.4/50

diff_cav4cX_rms vs Slug



Right In: 1165.863 $\pm$ 0.343 χ^2 /NDF: 10897458.3/23

Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF: 392521.4/24

Right Out: 1251.386 $\pm$ 0.355 χ^2 /NDF: 13114105.9/27

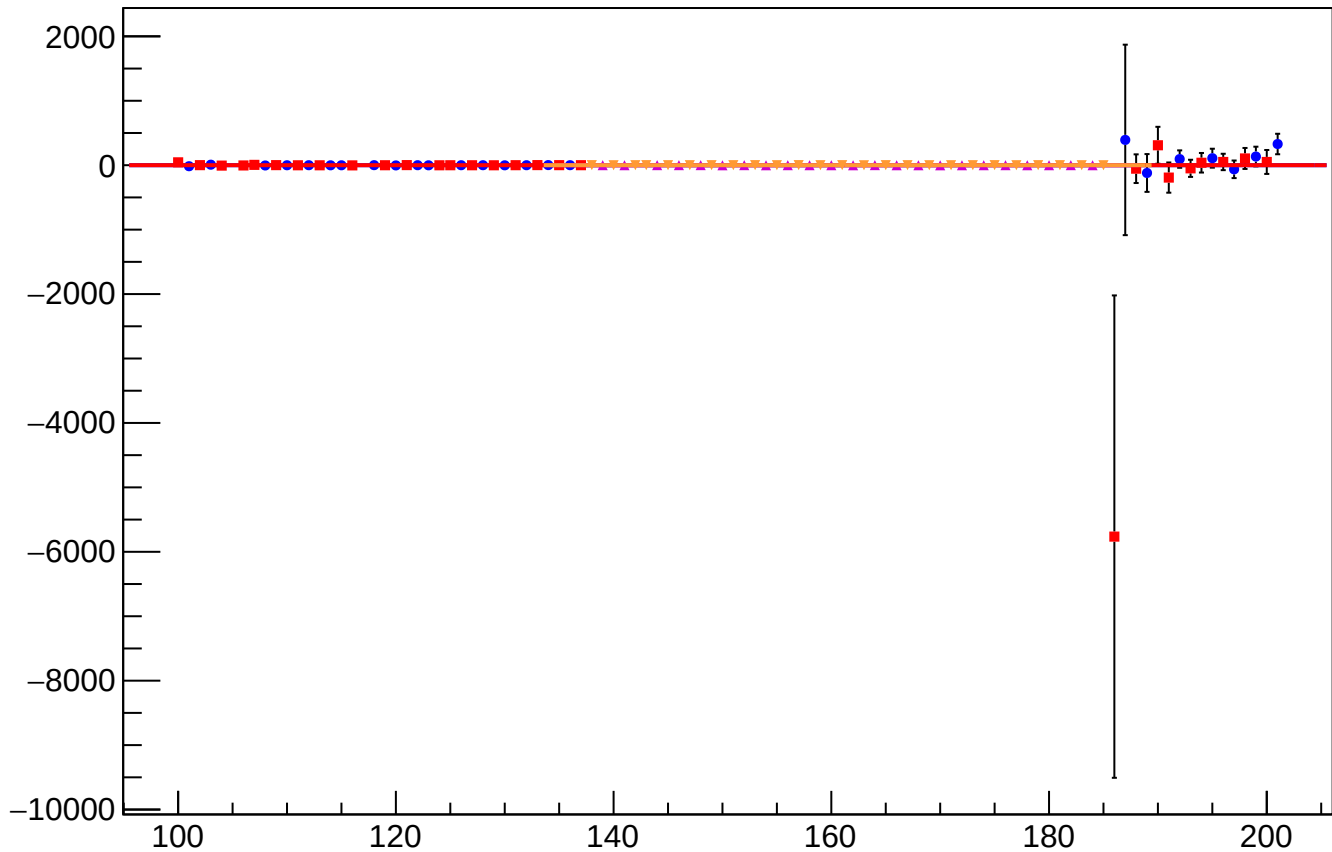
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF: 338177.1/22

+ sign 748.672 $\pm$ 0.110 χ^2 /NDF: 12939554.5/48

All: 755.595 $\pm$ 0.079 χ^2 /NDF: 28509432.1/99

- sign 763.016 $\pm$ 0.114 χ^2 /NDF: 15561676.5/50

diff_cav4cY_mean vs Slug



Right In: -0.058 ± 0.271 χ^2/NDF : 27.5/23

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 25.8/27

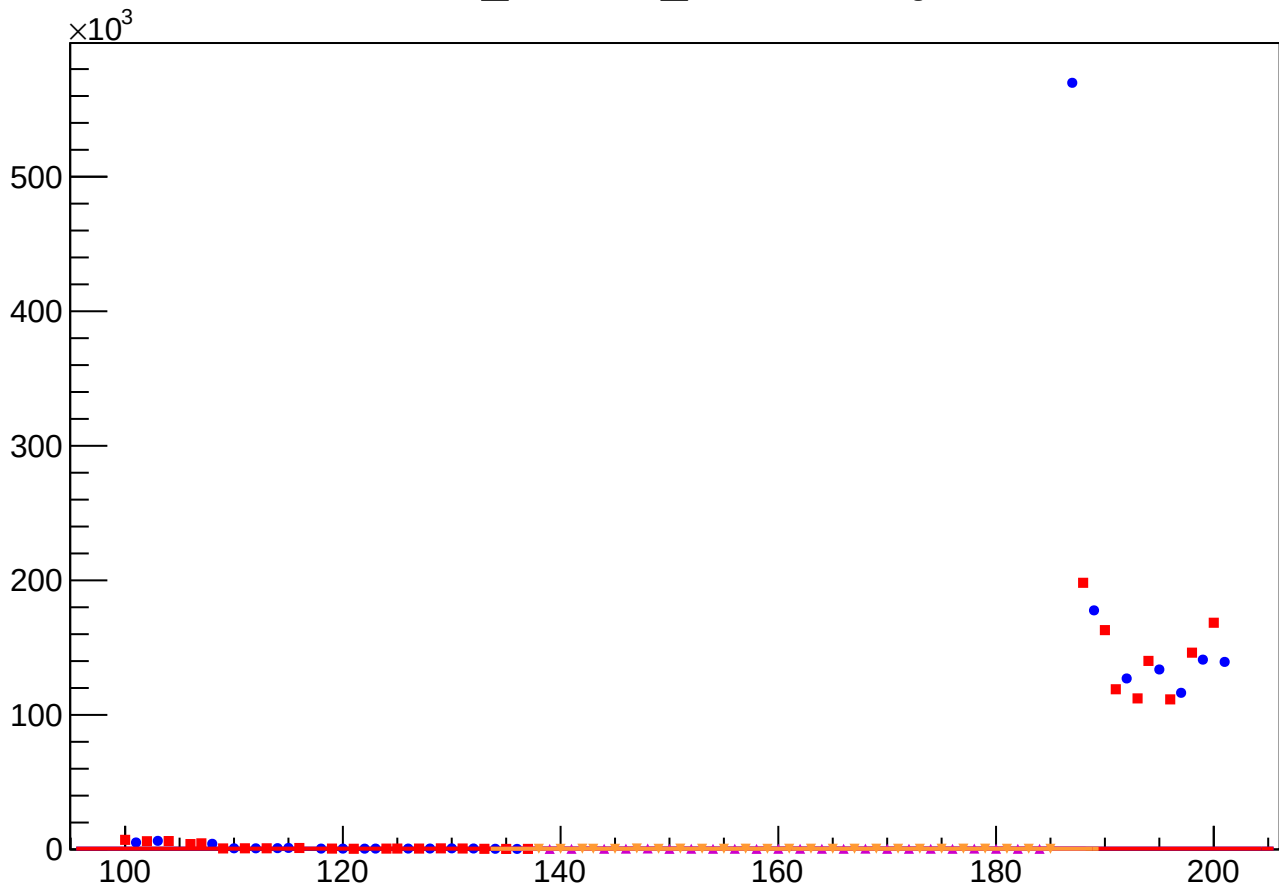
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 ± 0.112 χ^2/NDF : 46.0/48

All: 0.163 ± 0.080 χ^2/NDF : 107.1/99

- sign 0.139 ± 0.113 χ^2/NDF : 61.0/50

diff_cav4cY_rms vs Slug



Right In: 611.018 $\pm$ 0.191 χ^2 /NDF: 12221168.0/23

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 602.361 $\pm$ 0.187 χ^2 /NDF: 14136859.1/26

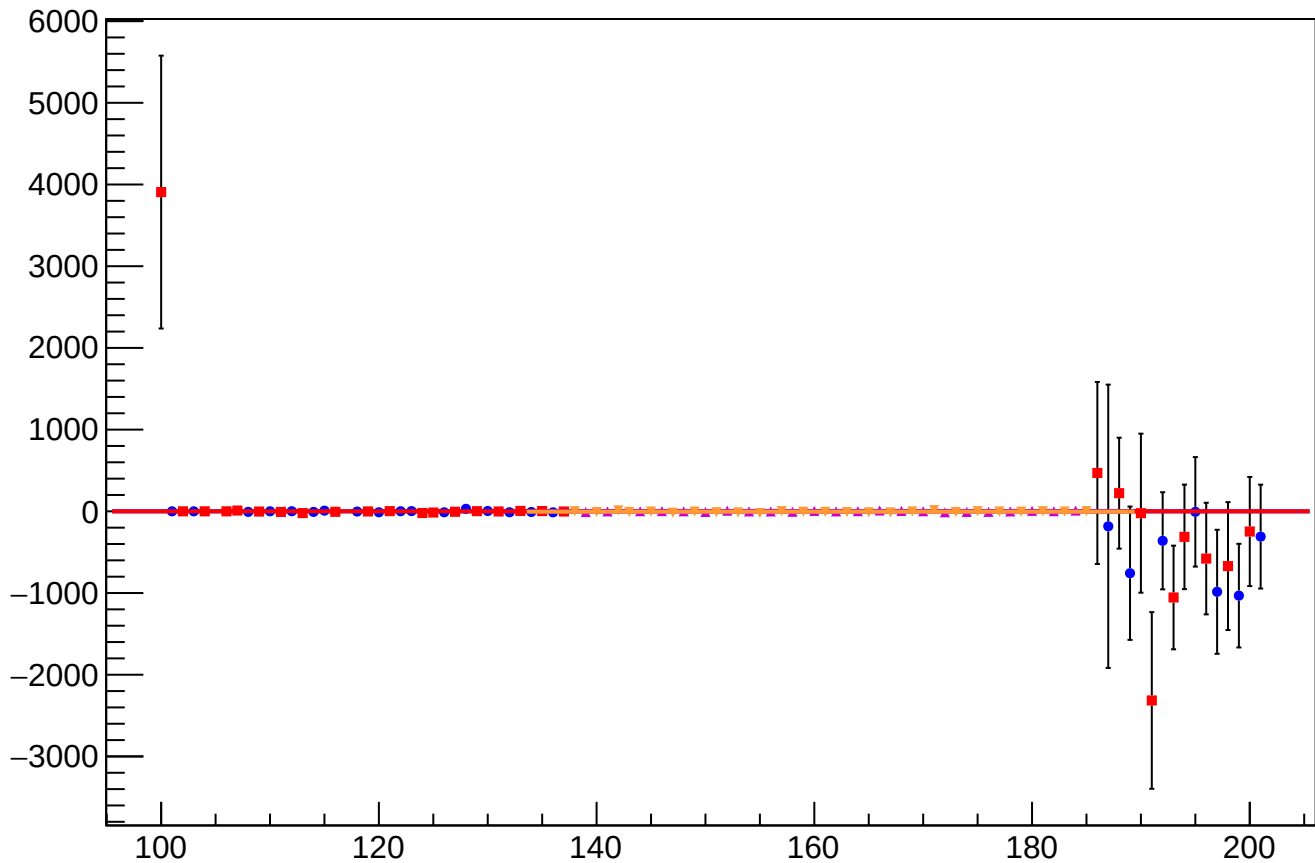
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.485 $\pm$ 0.079 χ^2 /NDF: 12730738.1/48

All: 536.276 $\pm$ 0.056 χ^2 /NDF: 27471121.9/98

- sign 535.027 $\pm$ 0.080 χ^2 /NDF: 14739906.4/49

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 21.4/23

Left Out: -4.474 $\pm$ 0.956 χ^2 /NDF: 58.2/24

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 26.3/27

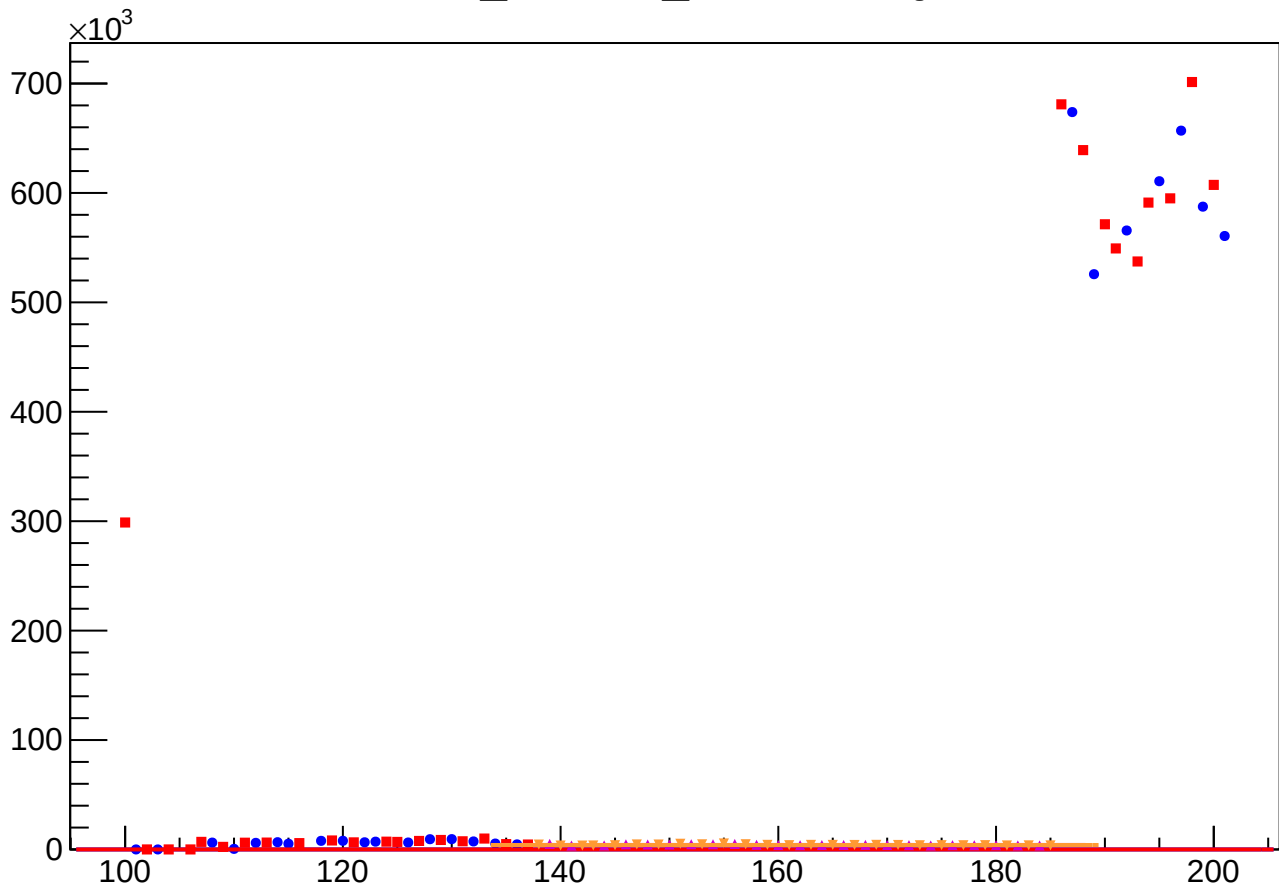
Left In: -0.193 $\pm$ 0.990 χ^2 /NDF: 29.2/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 101.4/48

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 156.9/99

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 55.5/50

diff_cav4dX_rms vs Slug



Right In: 17.339+/-0.015 χ^2/NDF : 19688675.0/23

Left Out: 4074.257+/-0.676 χ^2/NDF : 416916.0/24

Right Out: 17.271+/-0.014 χ^2/NDF : 22383422.3/27

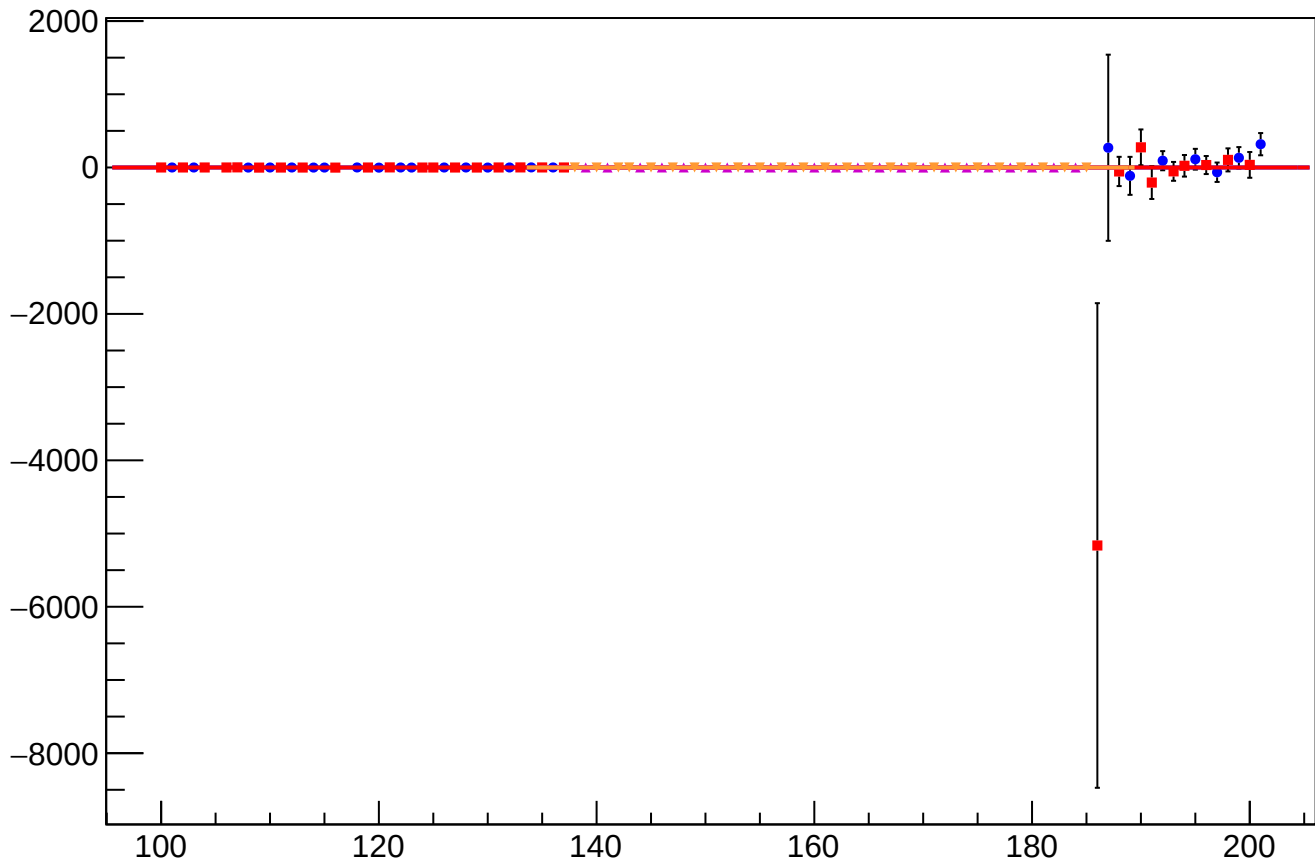
Left In: 4113.744+/-0.700 χ^2/NDF : 354965.8/22

+ sign 19.259+/-0.015 χ^2/NDF : 56138765.7/48

All: 19.073+/-0.010 χ^2/NDF : 113094262.9/99

- sign 18.904+/-0.014 χ^2/NDF : 56955191.1/50

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 22.2/23

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.4/27

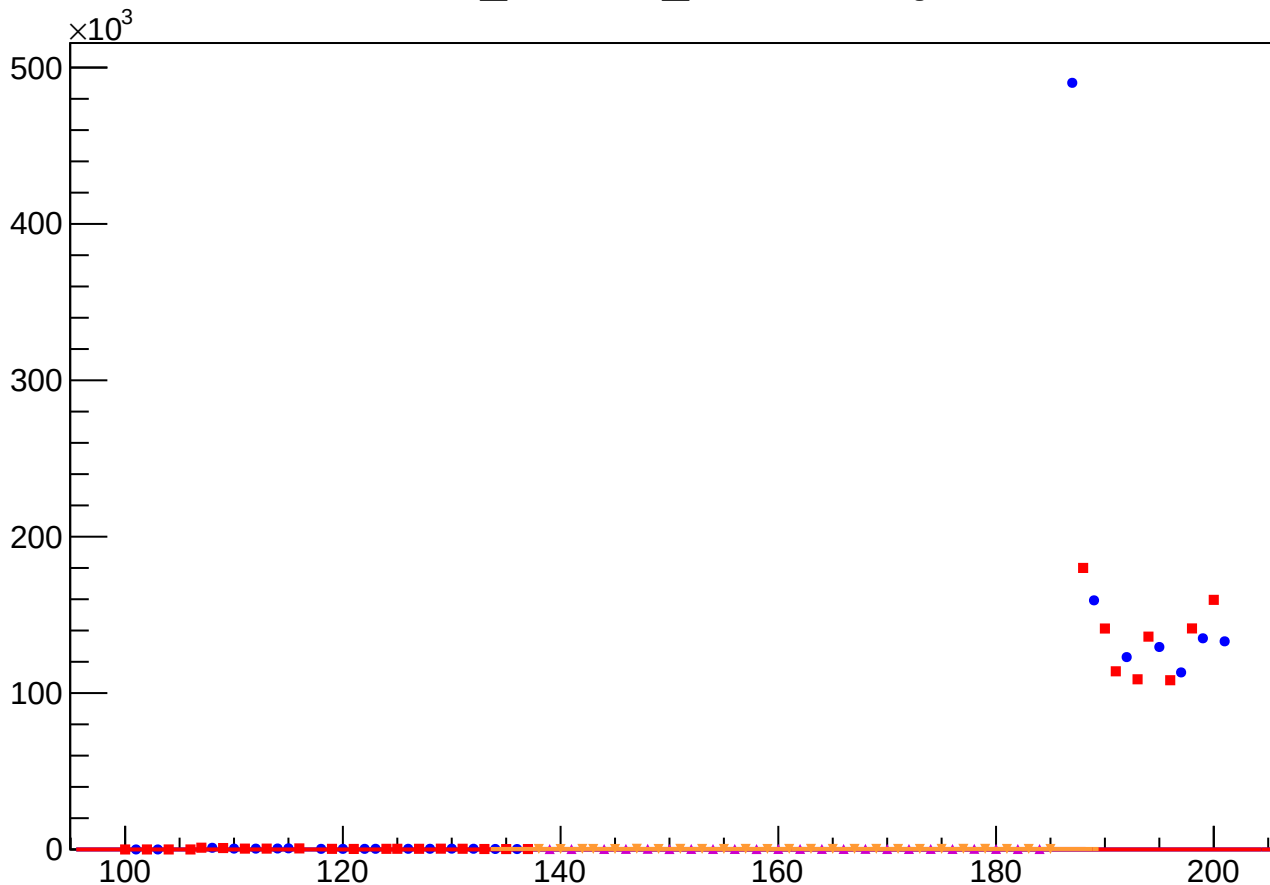
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 42.8/48

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 102.0/99

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.1/50

diff_cav4dY_rms vs Slug



Right In: 1.698 ± 0.001 χ^2/NDF : 20056161.3/23

Left Out: 325.469 ± 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.728 ± 0.001 χ^2/NDF : 21428202.3/26

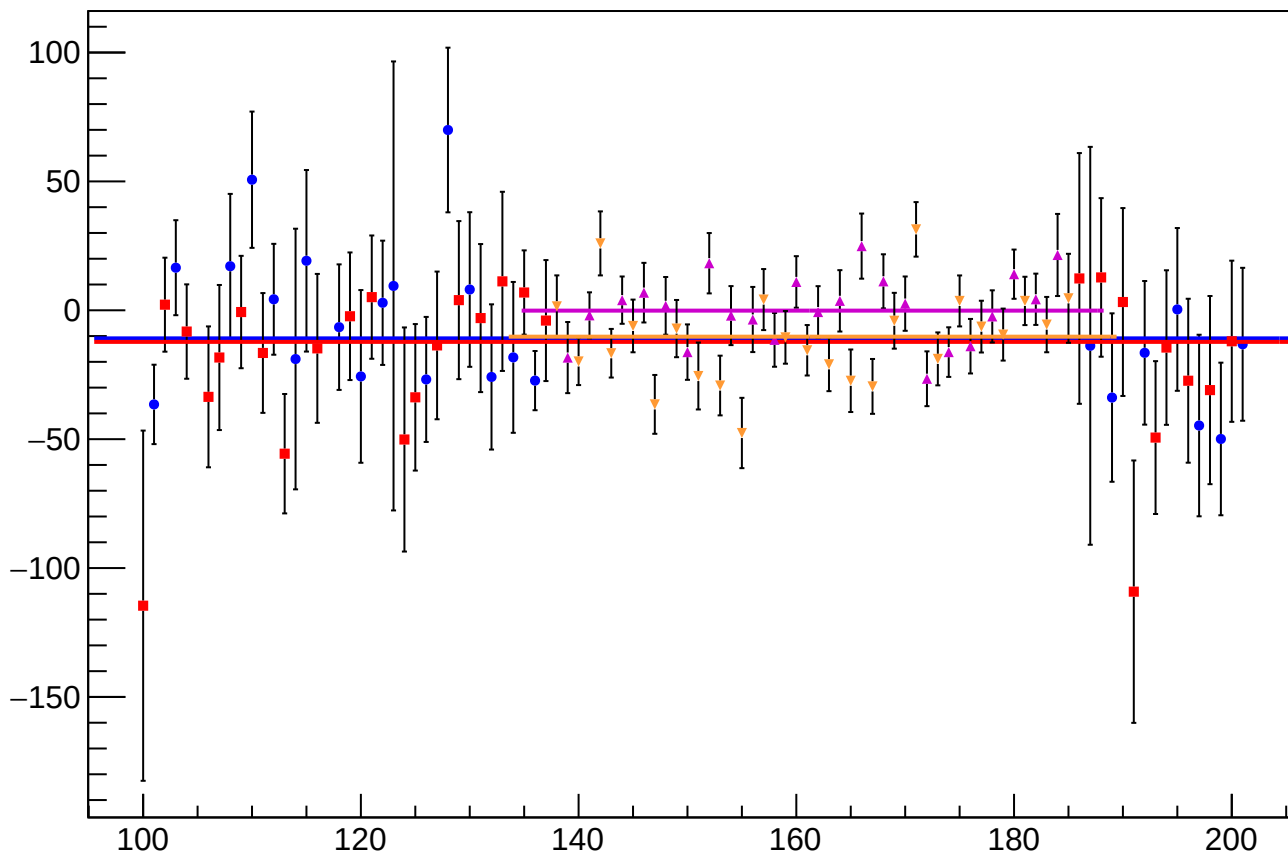
Left In: 325.201 ± 0.055 χ^2/NDF : 428069.7/22

+ sign 1.926 ± 0.001 χ^2/NDF : 56368507.0/48

All: 1.926 ± 0.001 χ^2/NDF : 112195757.9/98

- sign 1.926 ± 0.001 χ^2/NDF : 55827250.8/49

diff_bpm4aX_mean vs Slug



Right In: -10.889 ± 5.134 $\chi^2/\text{NDF}: 26.2/23$

Left Out: -10.235 ± 2.167 $\chi^2/\text{NDF}: 58.0/24$

Right Out: -12.253 ± 5.097 $\chi^2/\text{NDF}: 18.6/27$

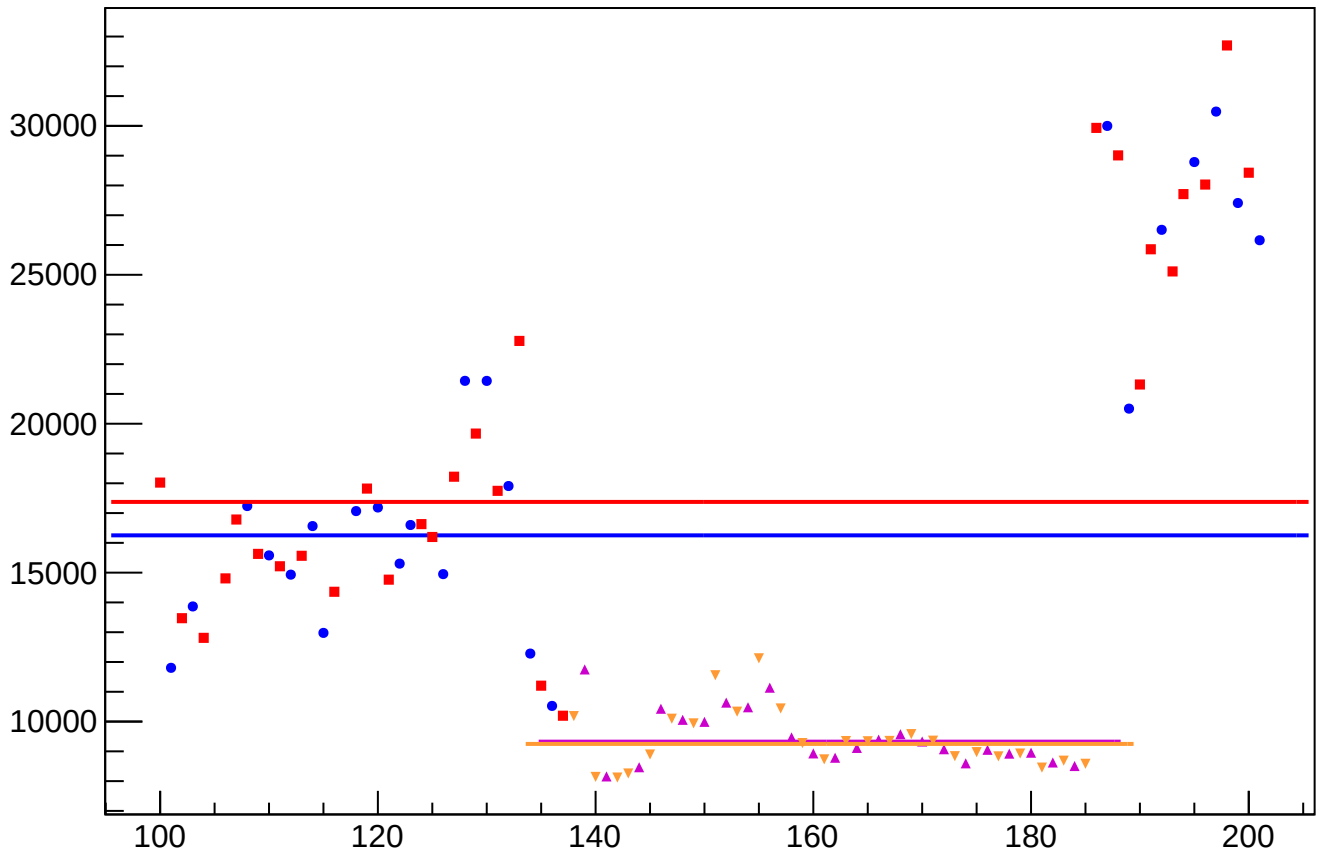
Left In: -0.130 ± 2.242 $\chi^2/\text{NDF}: 29.8/22$

+ sign -10.334 ± 1.996 $\chi^2/\text{NDF}: 84.2/48$

All: -6.329 ± 1.431 $\chi^2/\text{NDF}: 145.6/99$

- sign -2.096 ± 2.052 $\chi^2/\text{NDF}: 53.1/50$

diff_bpm4aX_rms vs Slug



Right In: 16251.948+/-3.631 χ^2/NDF : 2412574.5/23

Left Out: 9249.358+/-1.532 χ^2/NDF : 332003.4/24

Right Out: 17374.634+/-3.604 χ^2/NDF : 2560761.2/27

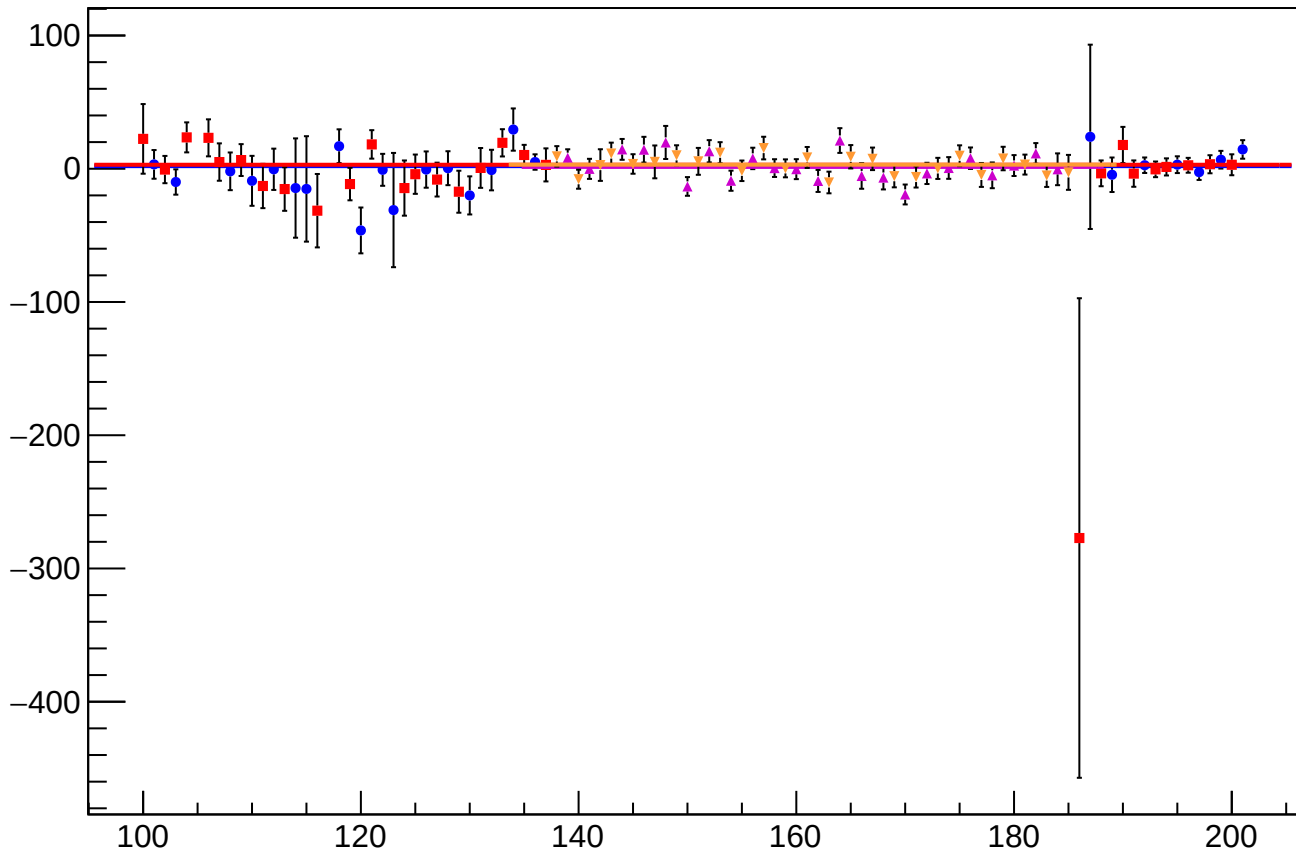
Left In: 9325.112+/-1.585 χ^2/NDF : 280927.7/22

+ sign 10307.811+/-1.412 χ^2/NDF : 5902384.2/48

All: 10464.569+/-1.012 χ^2/NDF : 12948846.7

- sign 10630.278+/-1.451 χ^2/NDF : 7021091.2/50

diff_bpm4aY_mean vs Slug



Right In: 1.955 ± 2.050 χ^2/NDF : 22.8/23

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 3.003 ± 1.943 χ^2/NDF : 25.2/27

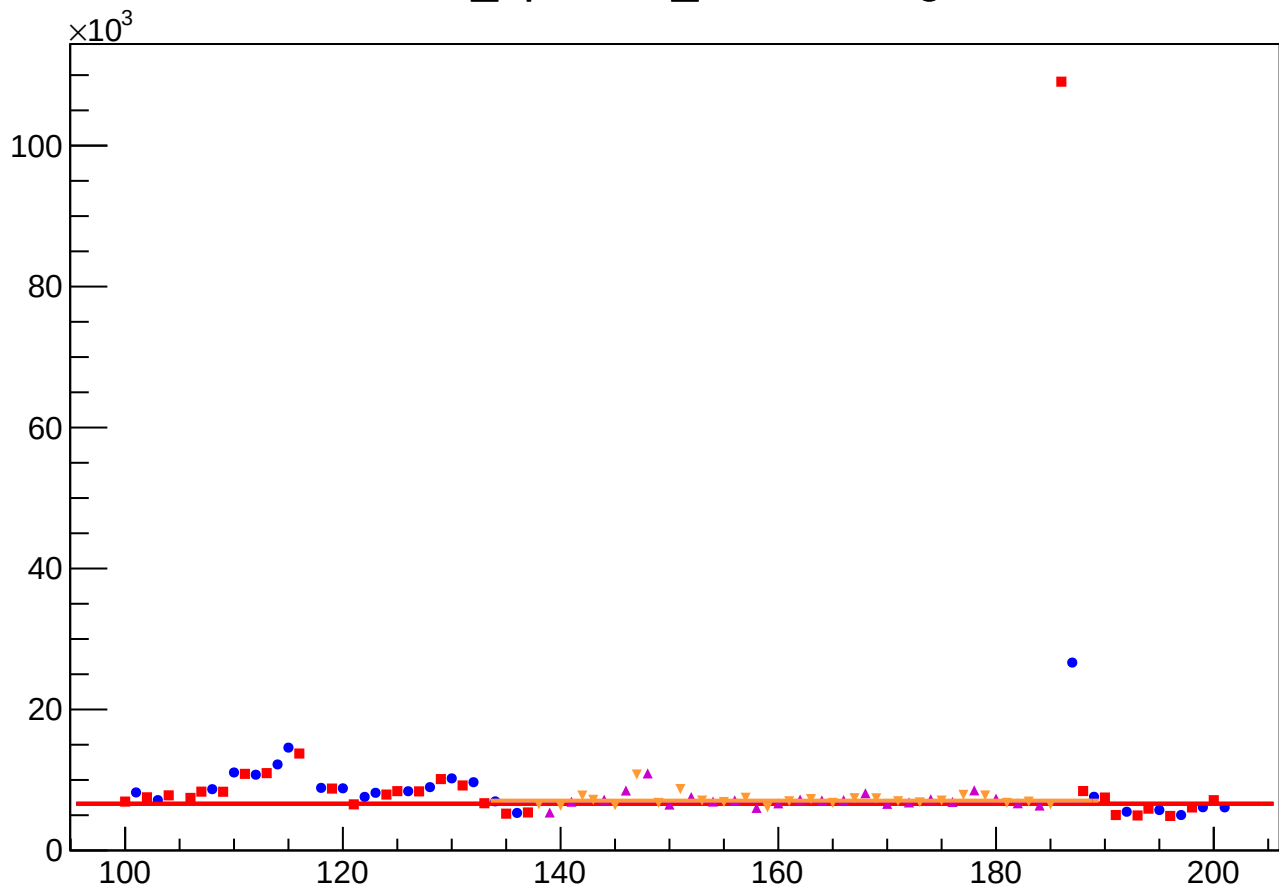
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.624 ± 1.289 χ^2/NDF : 41.2/48

All: 2.353 ± 0.907 χ^2/NDF : 102.3/99

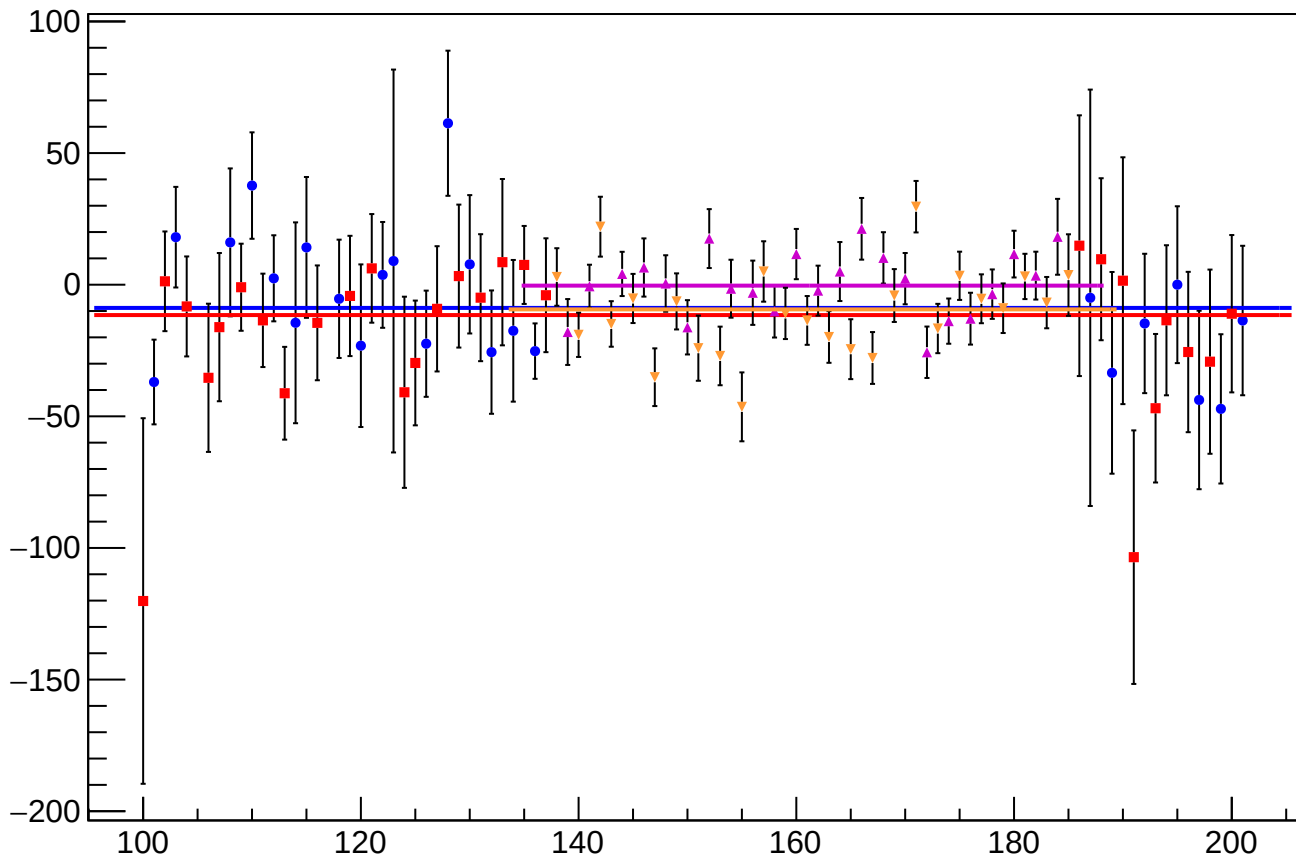
- sign 2.088 ± 1.277 χ^2/NDF : 61.0/50

diff_bpm4aY_rms vs Slug



Right In: 6630.914 ± 1.449 $\chi^2/\text{NDF}: 1462675.9/23$ + sign 6894.315 ± 0.912 $\chi^2/\text{NDF}: 1904781.6/48$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 6867.720 ± 0.641 $\chi^2/\text{NDF}: 4578062.8/99$
 Right Out: 6632.373 ± 1.374 $\chi^2/\text{NDF}: 2080761.6/27$ - sign 6841.654 ± 0.903 $\chi^2/\text{NDF}: 2671596.6/50$
 Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

diff_bpm4eX_mean vs Slug



Right In: -8.816 ± 4.661 $\chi^2/\text{NDF}: 26.9/23$

Left Out: -9.376 ± 2.018 $\chi^2/\text{NDF}: 58.4/24$

Right Out: -11.536 ± 4.581 $\chi^2/\text{NDF}: 18.1/27$

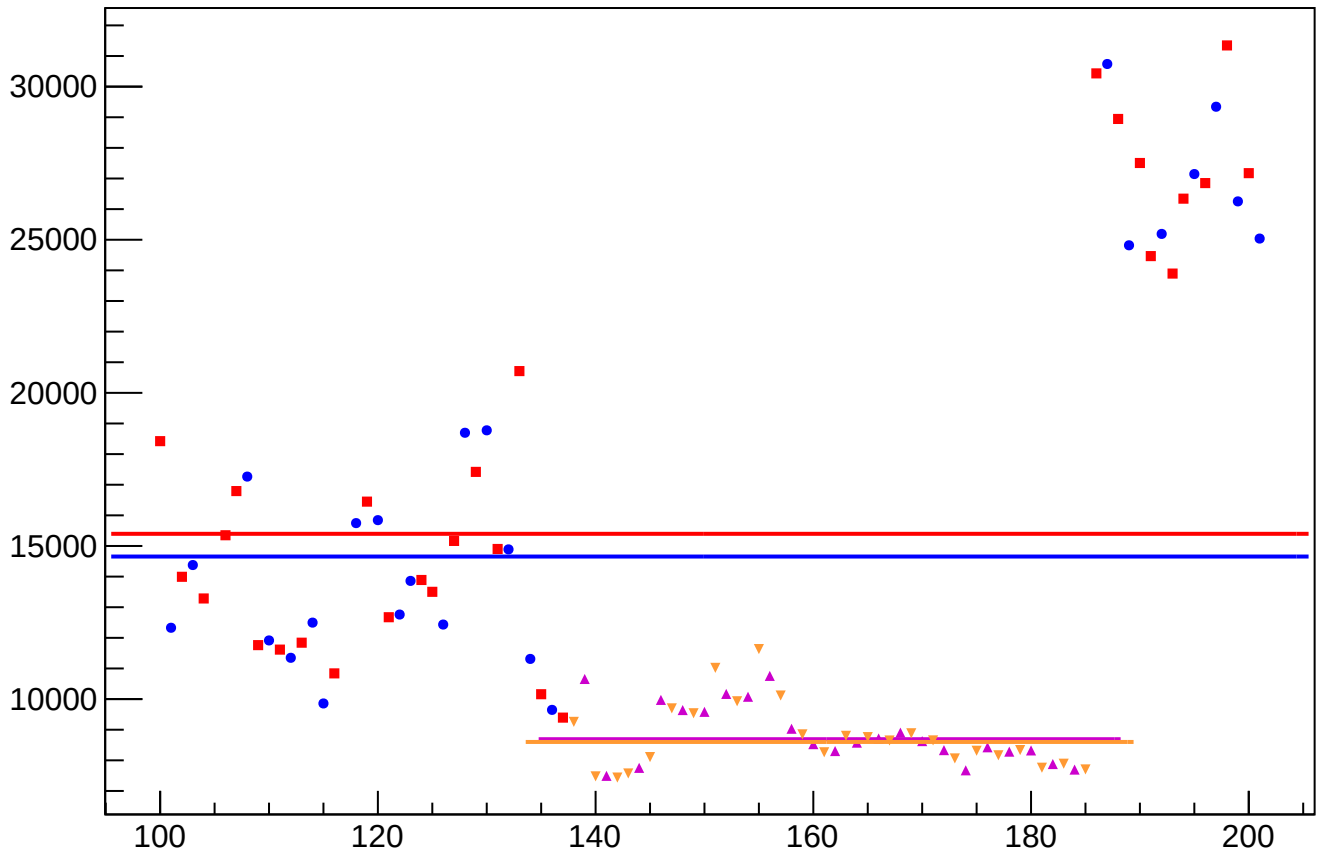
Left In: -0.353 ± 2.092 $\chi^2/\text{NDF}: 29.6/22$

+ sign -9.288 ± 1.852 $\chi^2/\text{NDF}: 85.3/48$

All: -5.882 ± 1.327 $\chi^2/\text{NDF}: 145.0/99$

- sign -2.283 ± 1.903 $\chi^2/\text{NDF}: 52.7/50$

diff_bpm4eX_rms vs Slug



Right In: 14655.229+/-3.296 χ^2/NDF : 2744111.0/23

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 15397.137+/-3.239 χ^2/NDF : 3190598.0/27

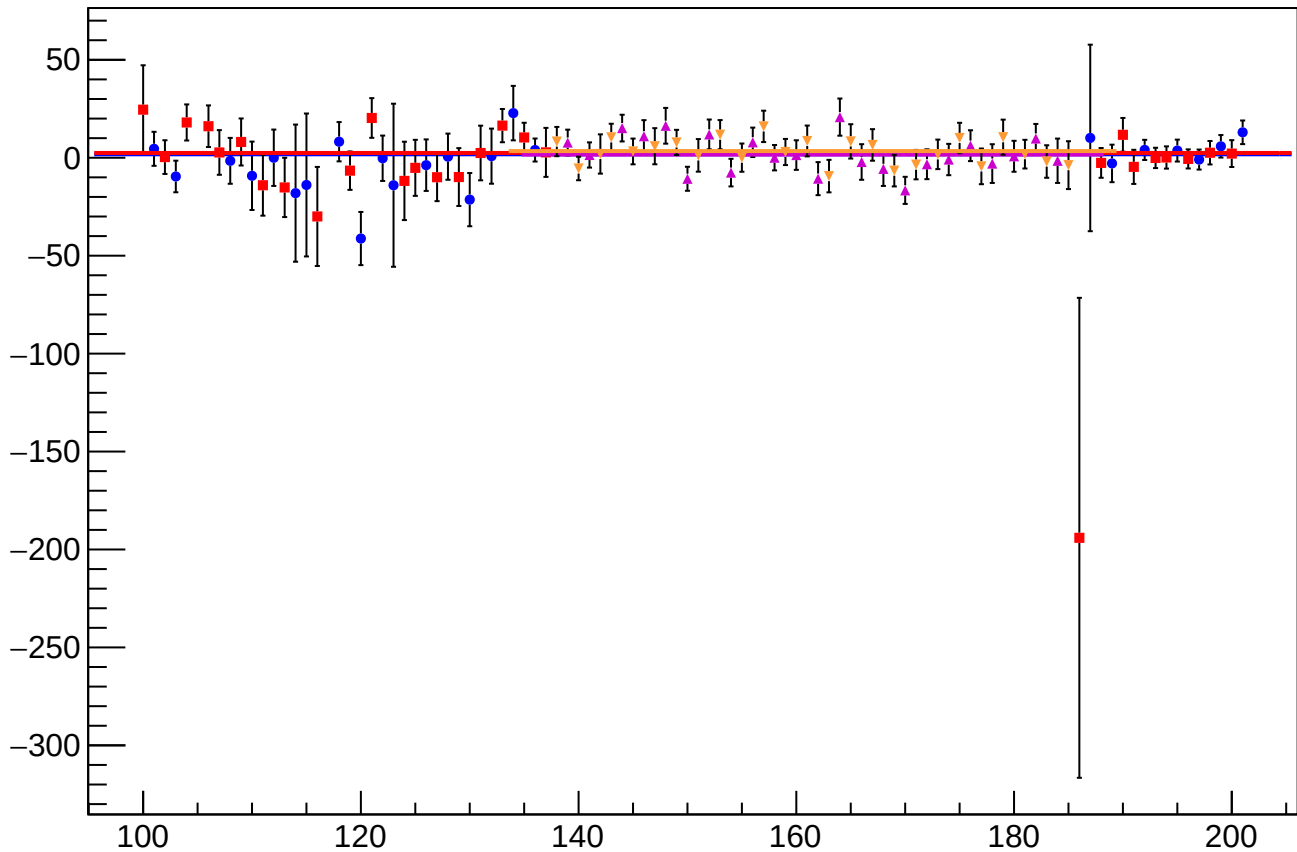
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 9556.173+/-1.309 χ^2/NDF : 6024975.6/48

All: 9697.904+/-0.938 χ^2/NDF : 13157234.3/50

- sign 9847.624+/-1.346 χ^2/NDF : 7108163.5/50

diff_bpm4eY_mean vs Slug



Right In: 1.769 $\pm$ 1.815 χ^2/NDF : 24.0/23

Left Out: 3.406 $\pm$ 1.550 χ^2/NDF : 16.8/24

Right Out: 2.450 $\pm$ 1.700 χ^2/NDF : 25.8/27

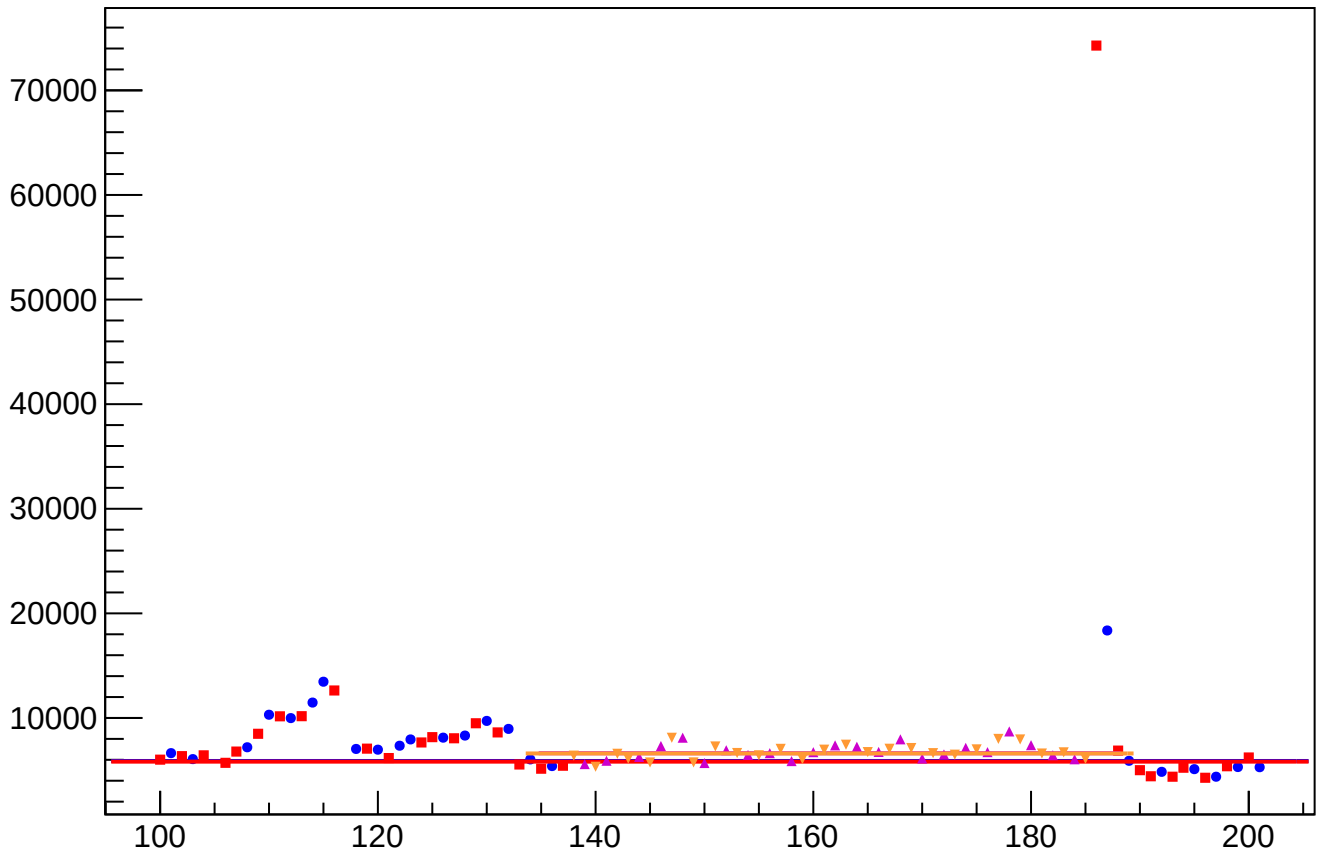
Left In: 1.627 $\pm$ 1.599 χ^2/NDF : 33.5/22

+ sign 2.715 $\pm$ 1.179 χ^2/NDF : 41.3/48

All: 2.360 $\pm$ 0.828 χ^2/NDF : 100.9/99

- sign 2.013 $\pm$ 1.165 χ^2/NDF : 59.4/50

diff_bpm4eY_rms vs Slug



Right In: 5887.254 ± 1.283 $\chi^2/\text{NDF}: 1425467.8/23$

Left Out: 6607.100 ± 1.096 $\chi^2/\text{NDF}: 398416.1/24$

Right Out: 5826.181 ± 1.202 $\chi^2/\text{NDF}: 2114988.8/27$

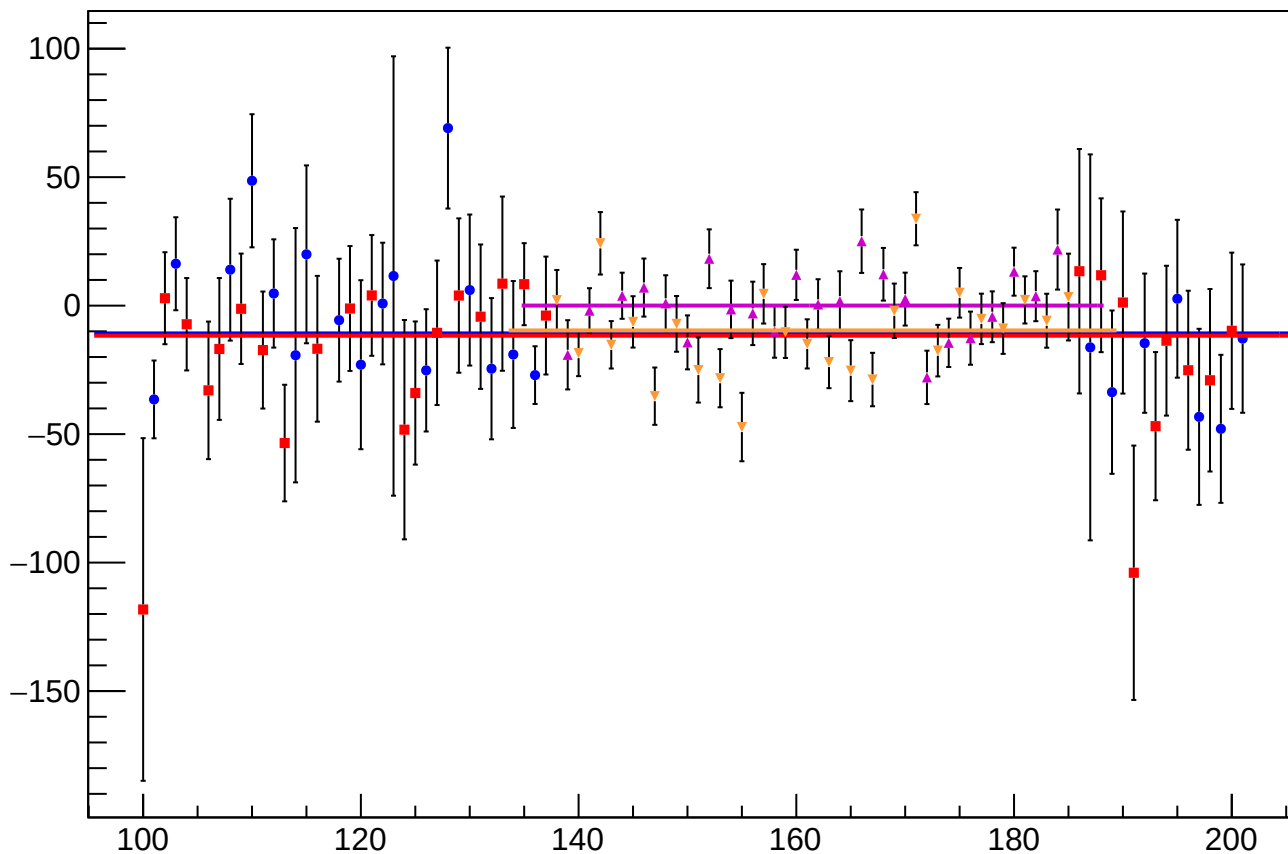
Left In: 6628.653 ± 1.131 $\chi^2/\text{NDF}: 430282.2/22$

+ sign 6303.374 ± 0.834 $\chi^2/\text{NDF}: 2005786.8/48$

All: 6277.297 ± 0.586 $\chi^2/\text{NDF}: 4789490.3/99$

- sign 6251.843 ± 0.824 $\chi^2/\text{NDF}: 2781769.4/50$

diff_bpm4acX_mean vs Slug



Right In: -10.812 ± 5.026 χ^2/NDF : 26.0/23

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -11.706 ± 4.989 χ^2/NDF : 18.5/27

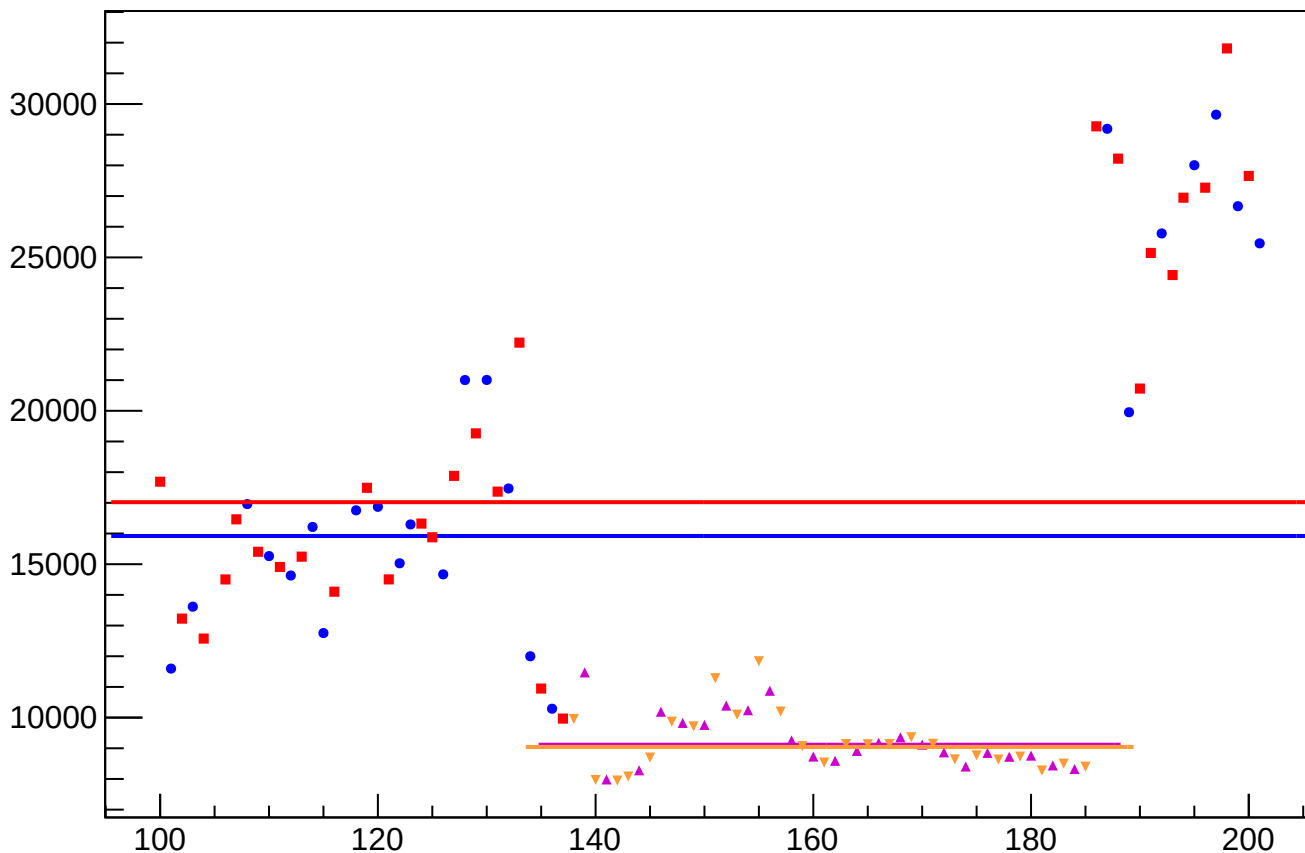
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.824 ± 1.952 χ^2/NDF : 85.8/48

All: -5.961 ± 1.399 χ^2/NDF : 147.6/99

- sign -1.878 ± 2.007 χ^2/NDF : 53.7/50

diff_bpm4acX_rms vs Slug



Right In: 15919.965 $\pm$ 3.554 χ^2 /NDF: 2383749.3/23

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF:328192.2/24

Right Out: 17022.122 $\pm$ 3.528 χ^2 /NDF: 2522677.3/27

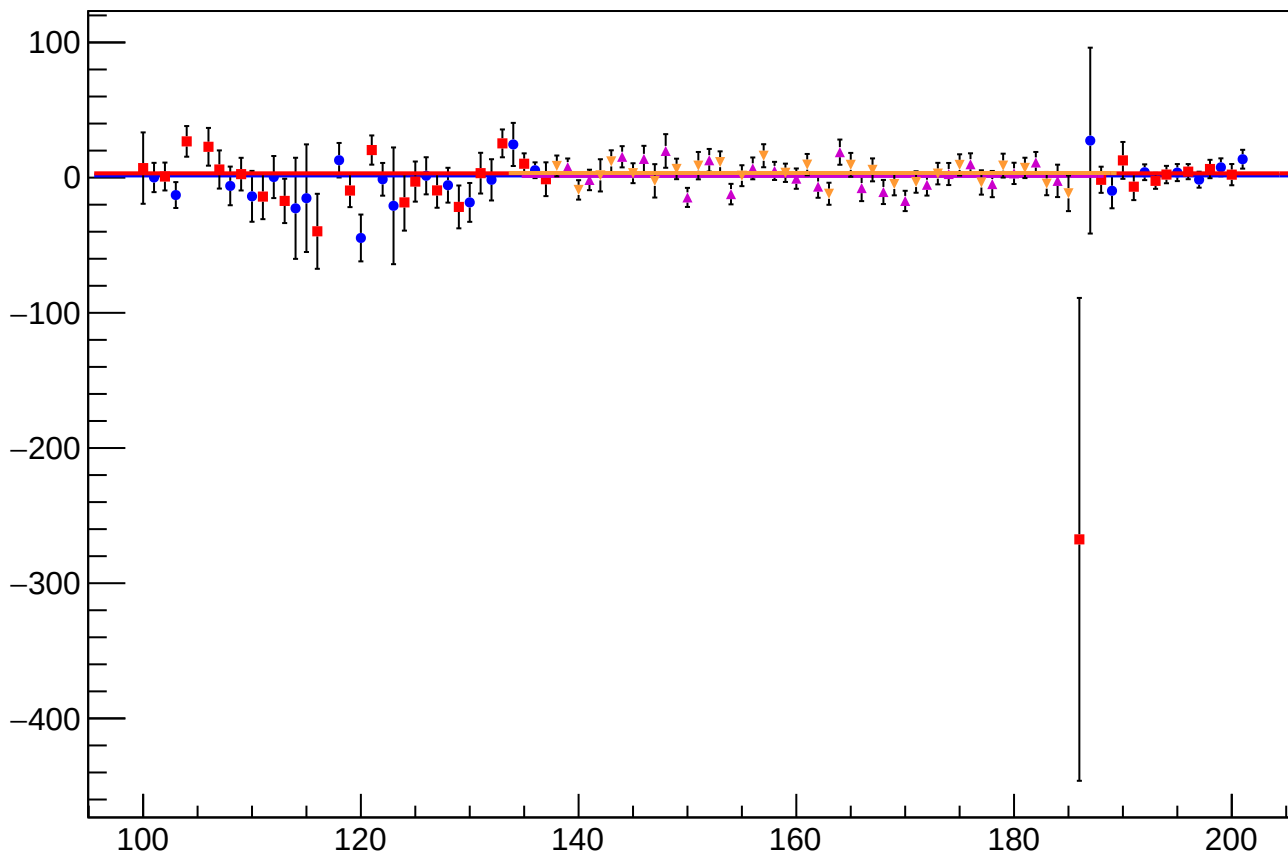
Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

+ sign 10080.691 $\pm$ 1.380 χ^2 /NDF: 5891122.3/48

All: 10233.892 $\pm$ 0.989 χ^2 /NDF: 12925017.1

- sign 10395.833 $\pm$ 1.419 χ^2 /NDF: 7008551.9/50

diff_bpm4acY_mean vs Slug



Right In: 1.627 ± 2.059 χ^2/NDF : 22.2/23

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 3.189 ± 1.952 χ^2/NDF : 30.5/27

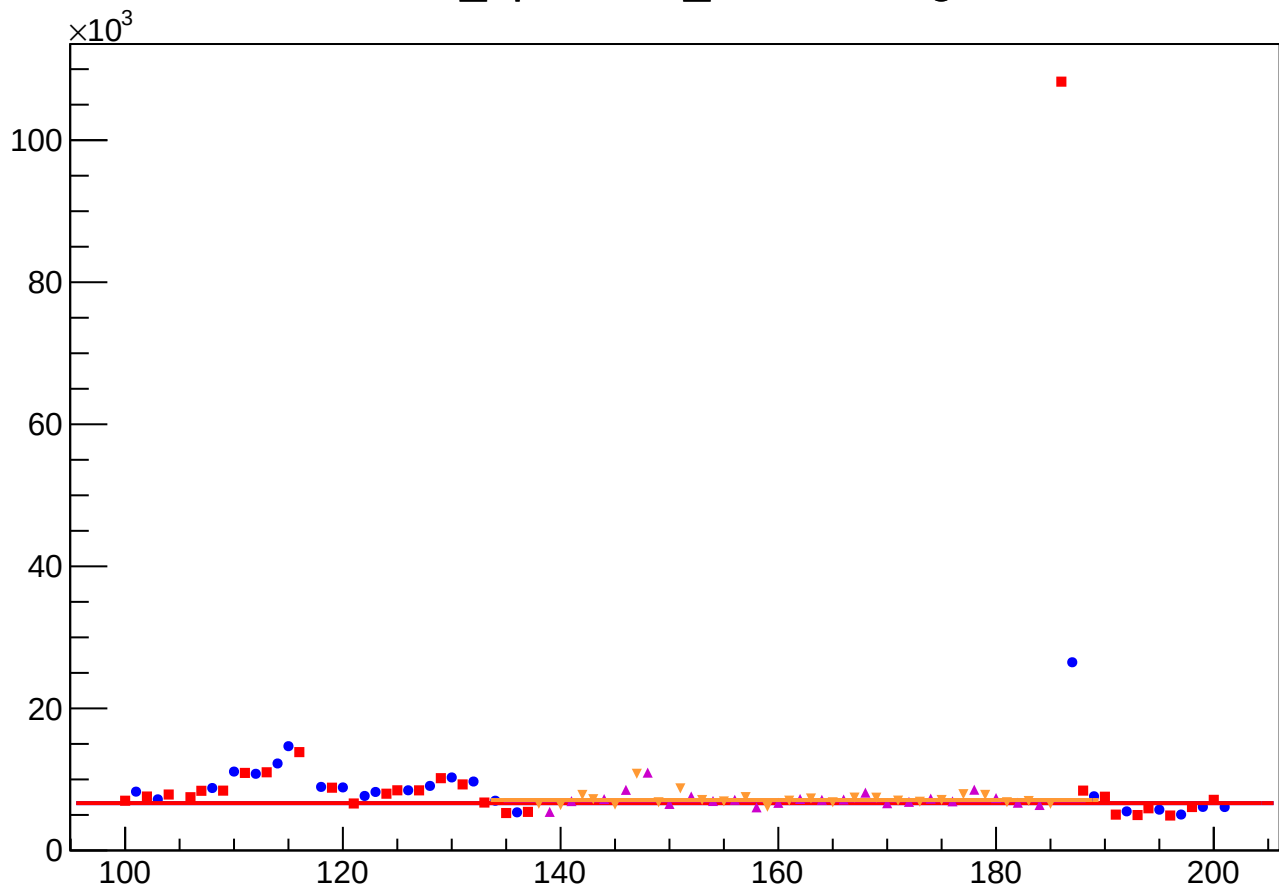
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.722 ± 1.295 χ^2/NDF : 41.6/48

All: 2.413 ± 0.911 χ^2/NDF : 109.3/99

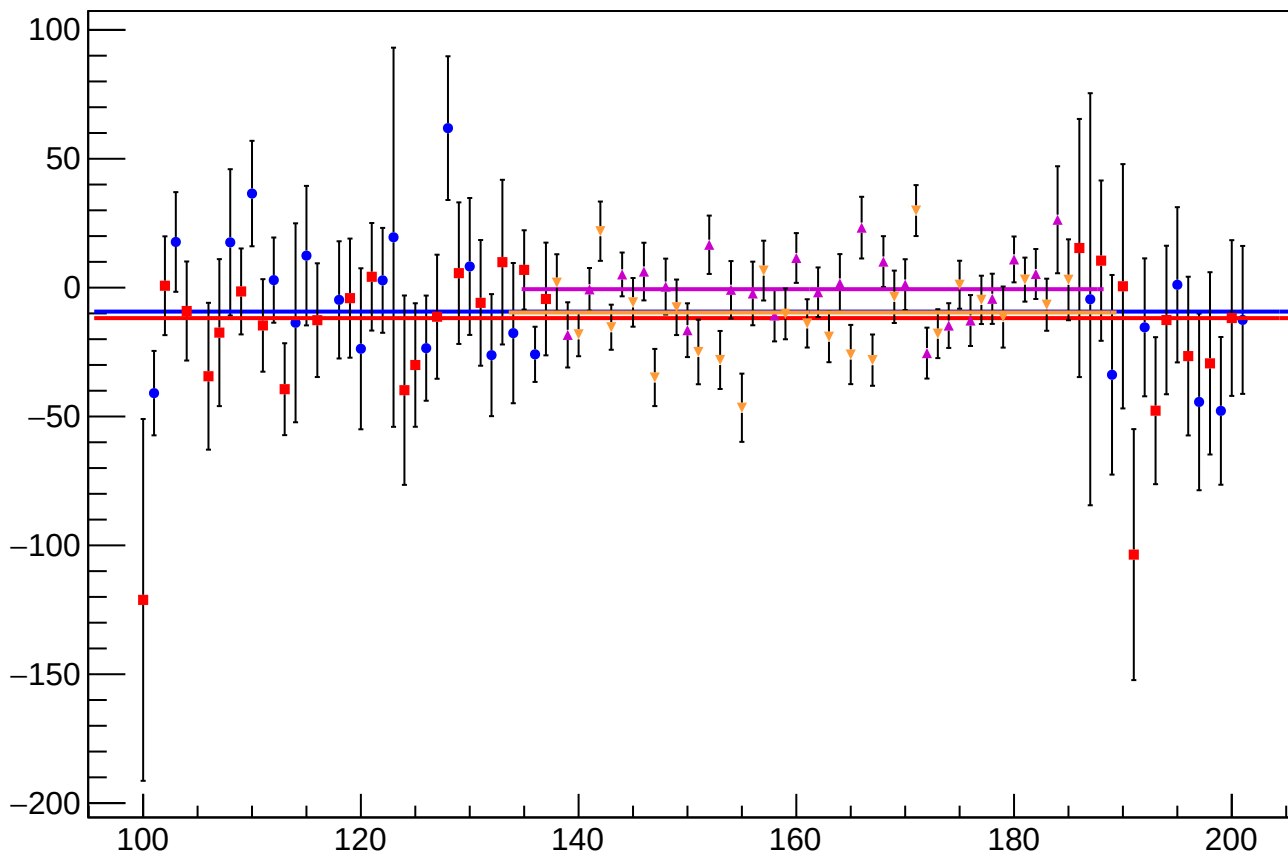
- sign 2.110 ± 1.282 χ^2/NDF : 67.6/50

diff_bpm4acY_rms vs Slug



Right In: 6659.267 ± 1.456 $\chi^2/\text{NDF}: 1470990.6/23$ + sign 6924.802 ± 0.916 $\chi^2/\text{NDF}: 1908610.7/48$
 Left Out: 7098.726 ± 1.178 $\chi^2/\text{NDF}: 382550.4/24$ All: 6899.365 ± 0.644 $\chi^2/\text{NDF}: 4575967.3/99$
 Right Out: 6664.544 ± 1.381 $\chi^2/\text{NDF}: 2084143.3/27$ - sign 6874.421 ± 0.907 $\chi^2/\text{NDF}: 2665828.4/50$
 Left In: 7033.702 ± 1.203 $\chi^2/\text{NDF}: 541035.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -9.294 ± 4.722 χ^2/NDF : 27.4/23

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -11.831 ± 4.644 χ^2/NDF : 17.2/27

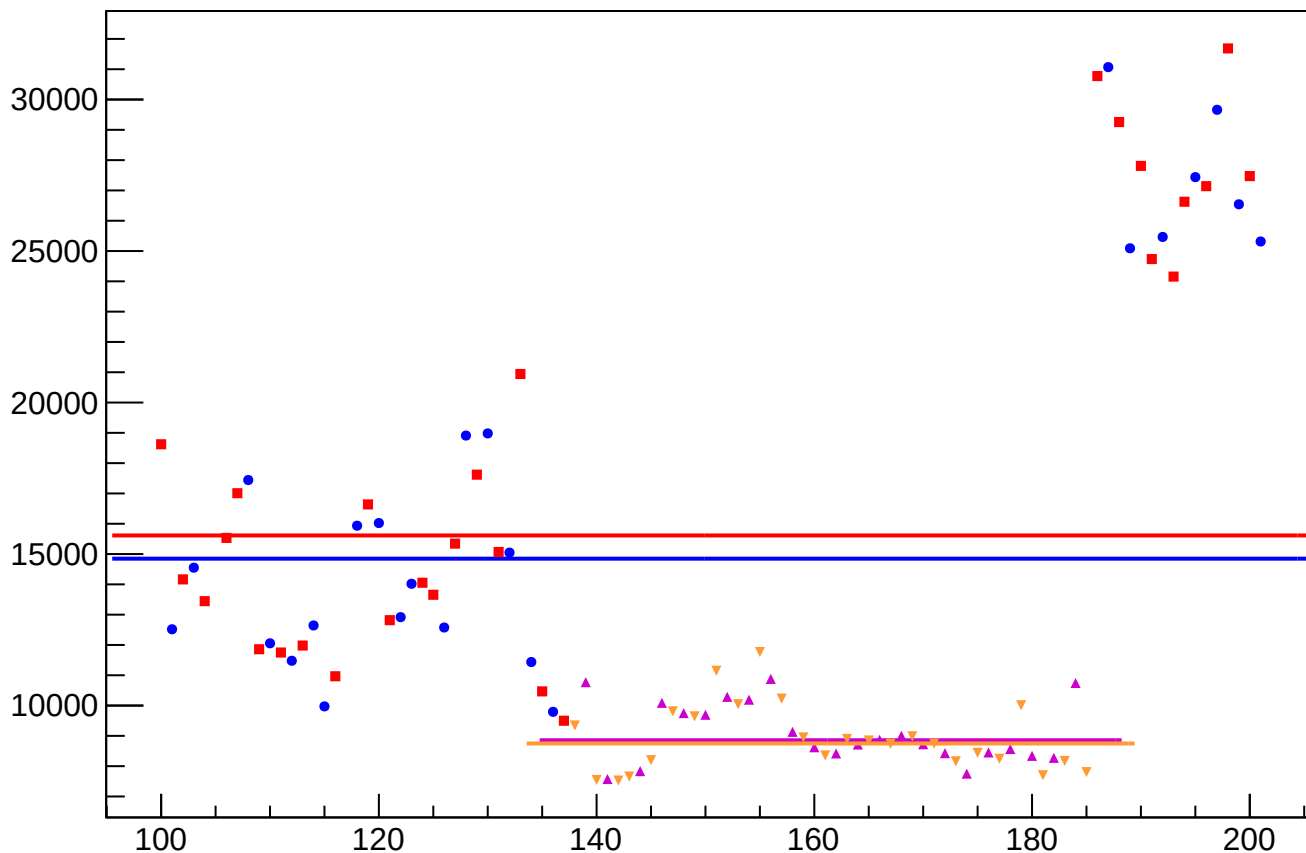
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.585 ± 1.886 χ^2/NDF : 85.1/48

All: -6.171 ± 1.352 χ^2/NDF : 143.5/99

- sign -2.559 ± 1.940 χ^2/NDF : 51.7/50

diff_bpm4ecX_rms vs Slug



Right In: 14848.067+/-3.339 χ^2/NDF : 2727449.4/23

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 15613.975+/-3.284 χ^2/NDF : 3160001.4/27

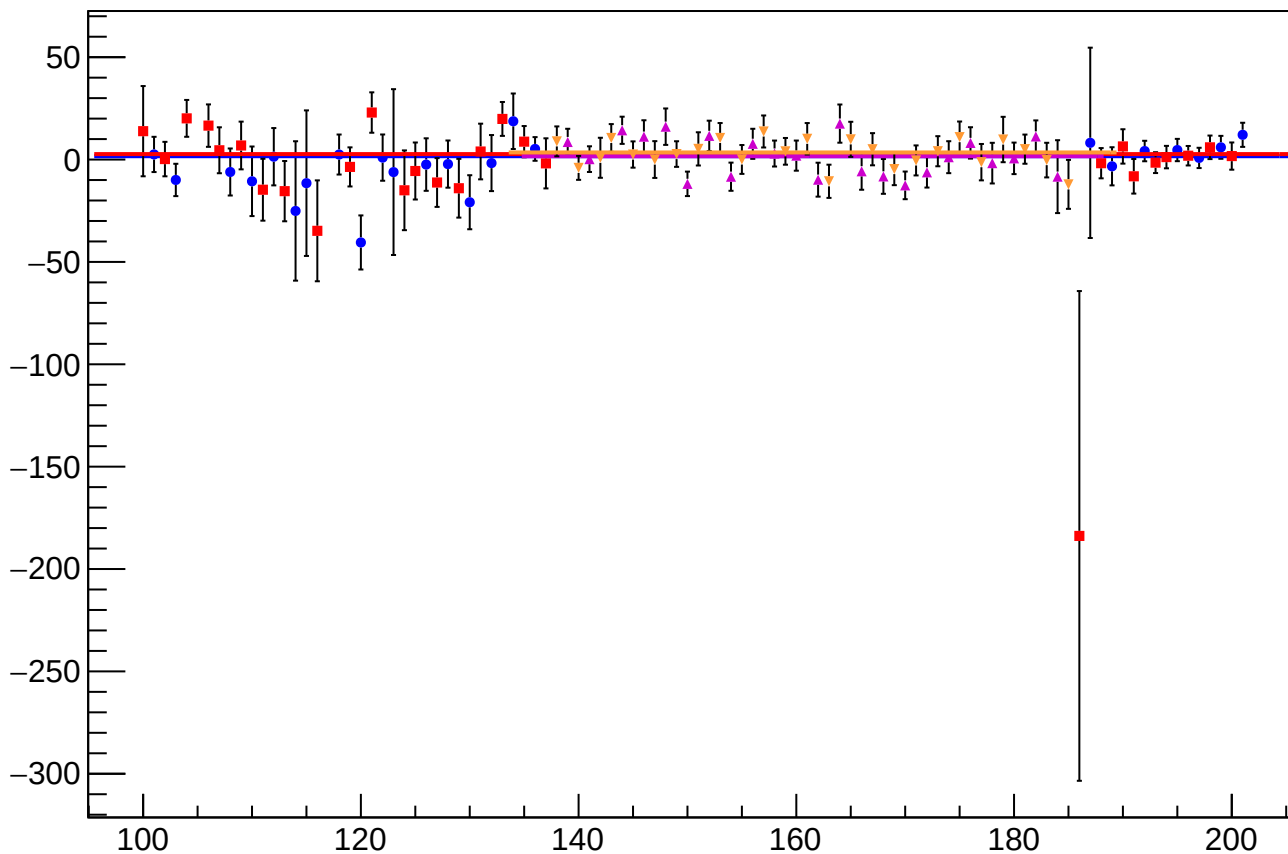
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 9721.652+/-1.334 χ^2/NDF : 5996137.3/48

All: 9873.819+/-0.956 χ^2/NDF : 13047138.3/50

- sign 10034.798+/-1.372 χ^2/NDF : 7024208.7/50

diff_bpm4ecY_mean vs Slug



Right In: 1.635 ± 1.770 χ^2/NDF : 23.9/23

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 2.670 ± 1.657 χ^2/NDF : 30.6/27

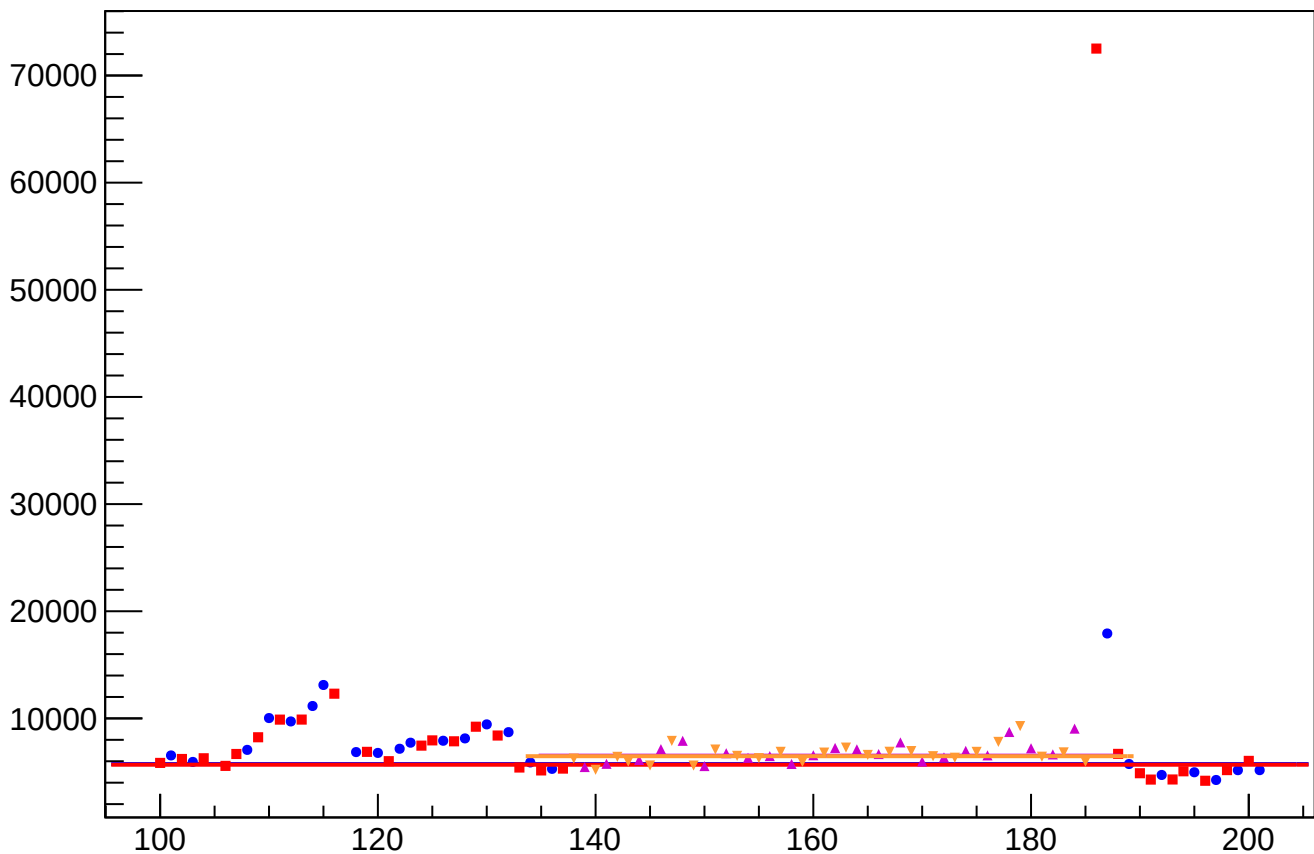
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.691 ± 1.155 χ^2/NDF : 40.3/48

All: 2.407 ± 0.812 χ^2/NDF : 104.9/99

- sign 2.129 ± 1.143 χ^2/NDF : 64.5/50

diff_bpm4ecY_rms vs Slug



Right In: 5738.221 ± 1.252 $\chi^2/\text{NDF}: 1433888.2/23$

Left Out: 6471.976 ± 1.078 $\chi^2/\text{NDF}: 490282.9/24$

Right Out: 5678.349 ± 1.172 $\chi^2/\text{NDF}: 2105288.6/27$

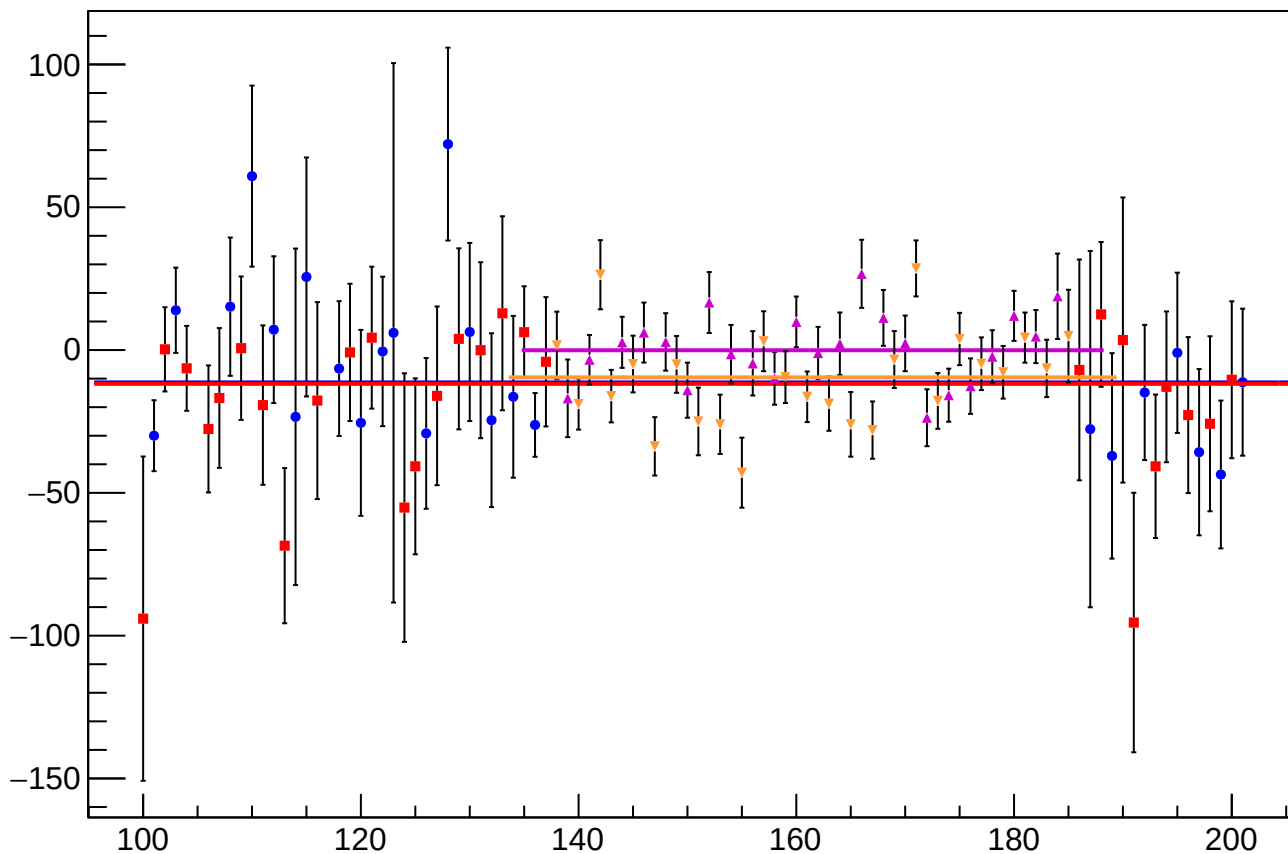
Left In: 6521.975 ± 1.116 $\chi^2/\text{NDF}: 480034.7/22$

+ sign 6159.552 ± 0.817 $\chi^2/\text{NDF}: 2121497.8/48$

All: 6140.000 ± 0.574 $\chi^2/\text{NDF}: 4979785.9/99$

- sign 6120.863 ± 0.808 $\chi^2/\text{NDF}: 2857154.2/50$

diff_bpm1X_mean vs Slug



Right In: -11.333 ± 4.861 χ^2/NDF : 25.2/23

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -11.822 ± 4.841 χ^2/NDF : 18.9/27

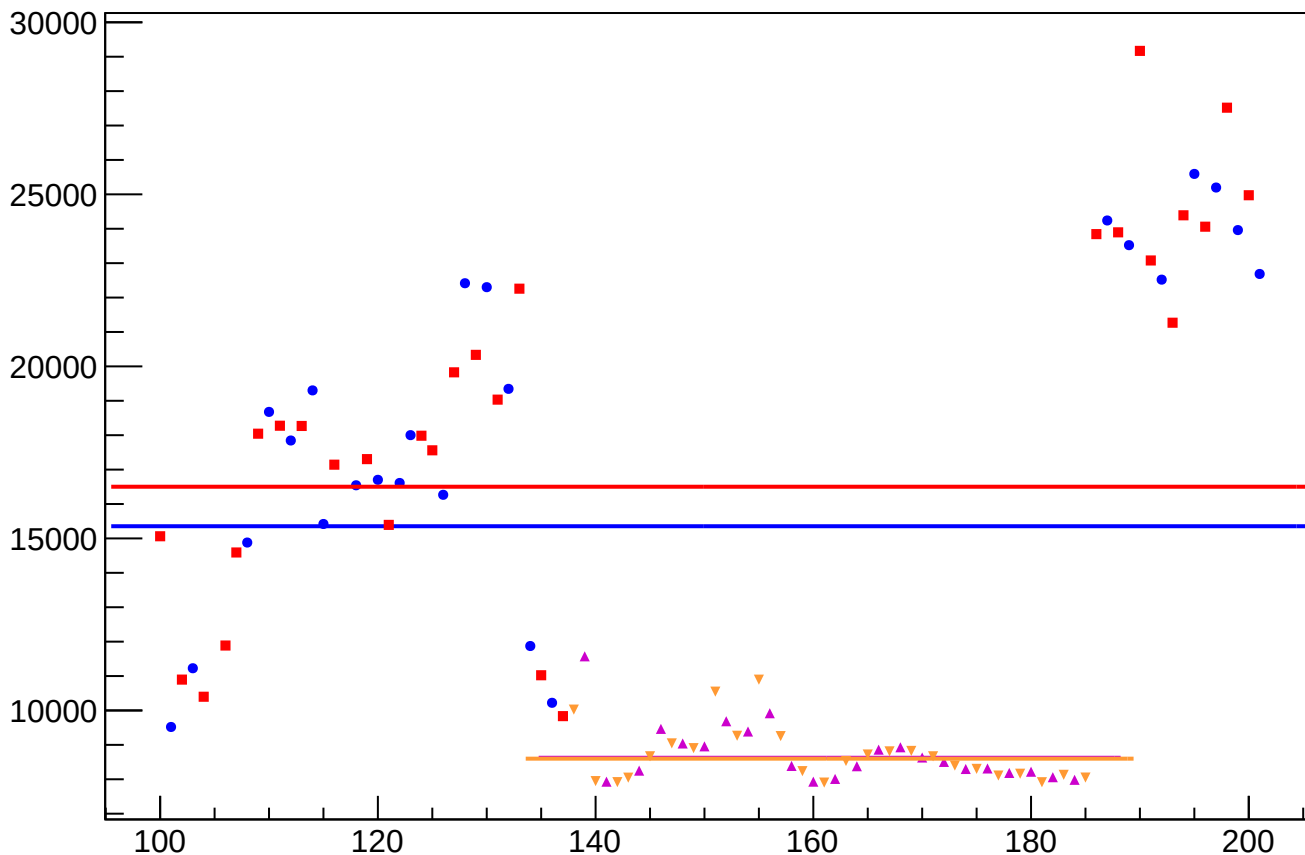
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.814 ± 1.859 χ^2/NDF : 84.8/48

All: -5.951 ± 1.331 χ^2/NDF : 147.4/99

- sign -1.892 ± 1.905 χ^2/NDF : 53.7/50

diff_bpm1X_rms vs Slug



Right In: 15354.254 $\pm$ 3.437 χ^2 /NDF: 2542172.0/23

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 16502.442 $\pm$ 3.423 χ^2 /NDF: 2555818.8/27

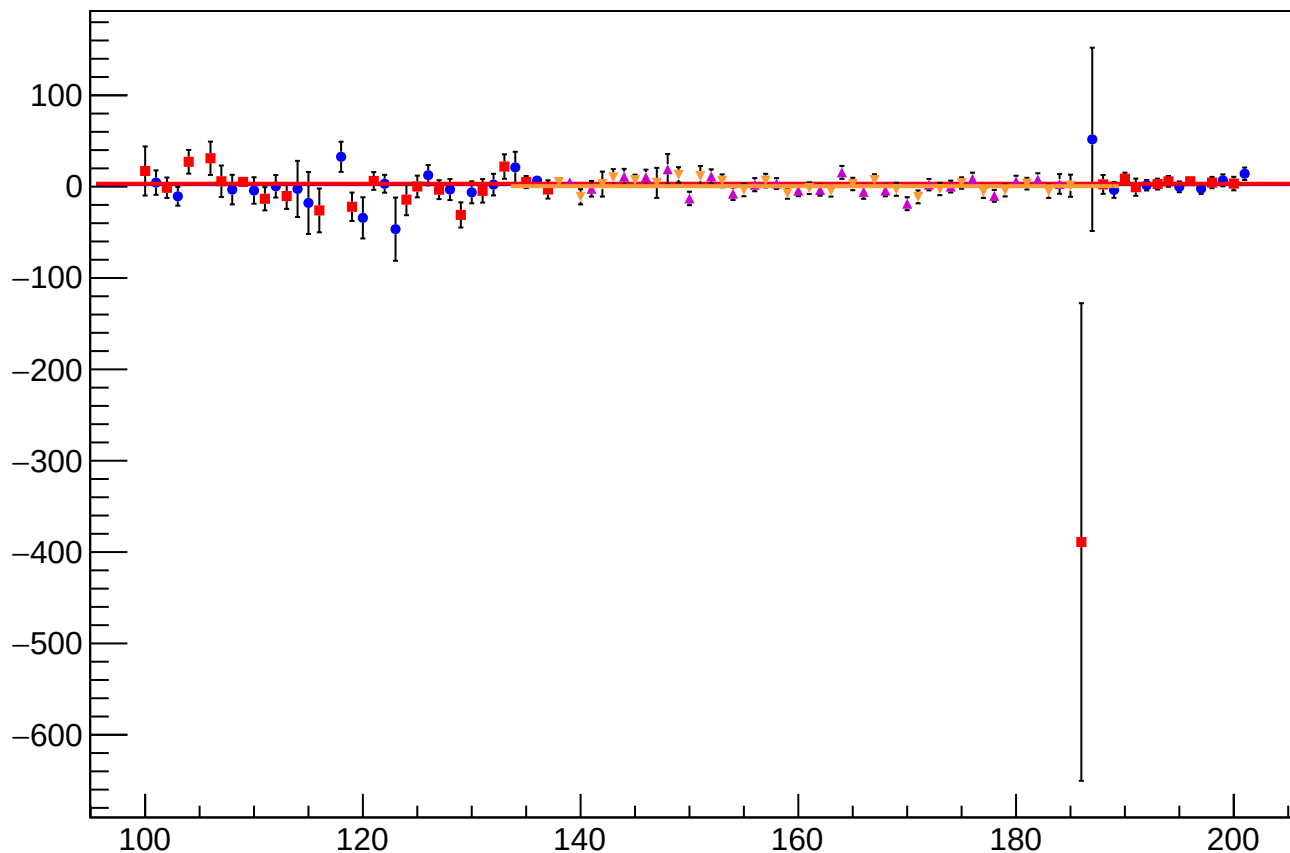
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 9586.954 $\pm$ 1.314 χ^2 /NDF: 6089347.0/48

All: 9713.113 $\pm$ 0.941 χ^2 /NDF: 13376778.0/9

- sign 9845.674 $\pm$ 1.347 χ^2 /NDF: 7268538.2/50

diff_bpm1Y_mean vs Slug



Right In: 2.728 $\pm$ 1.892 χ^2 /NDF: 18.9/23

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.214 $\pm$ 1.698 χ^2 /NDF: 27.3/27

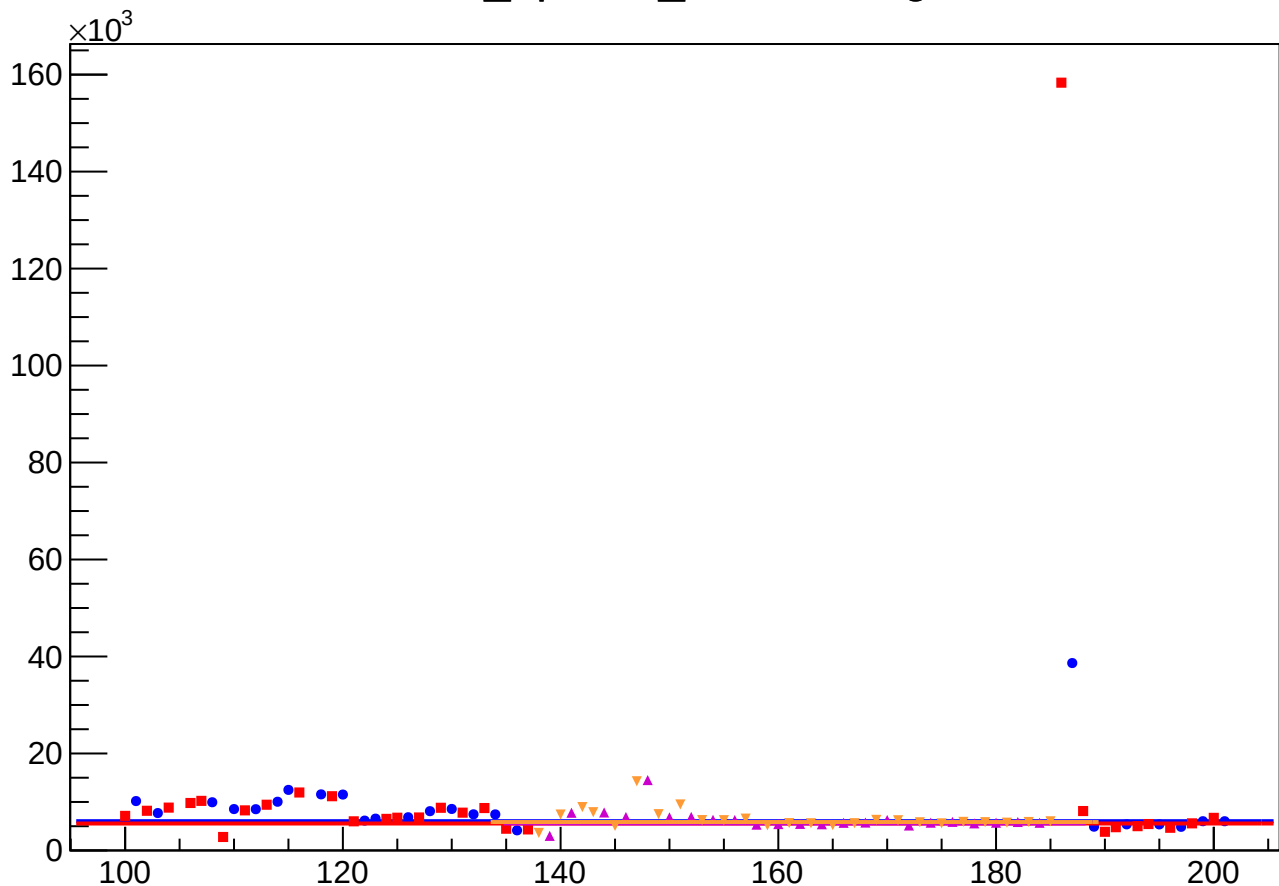
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 1.319 $\pm$ 1.134 χ^2 /NDF: 39.3/48

All: 1.636 $\pm$ 0.781 χ^2 /NDF: 100.2/99

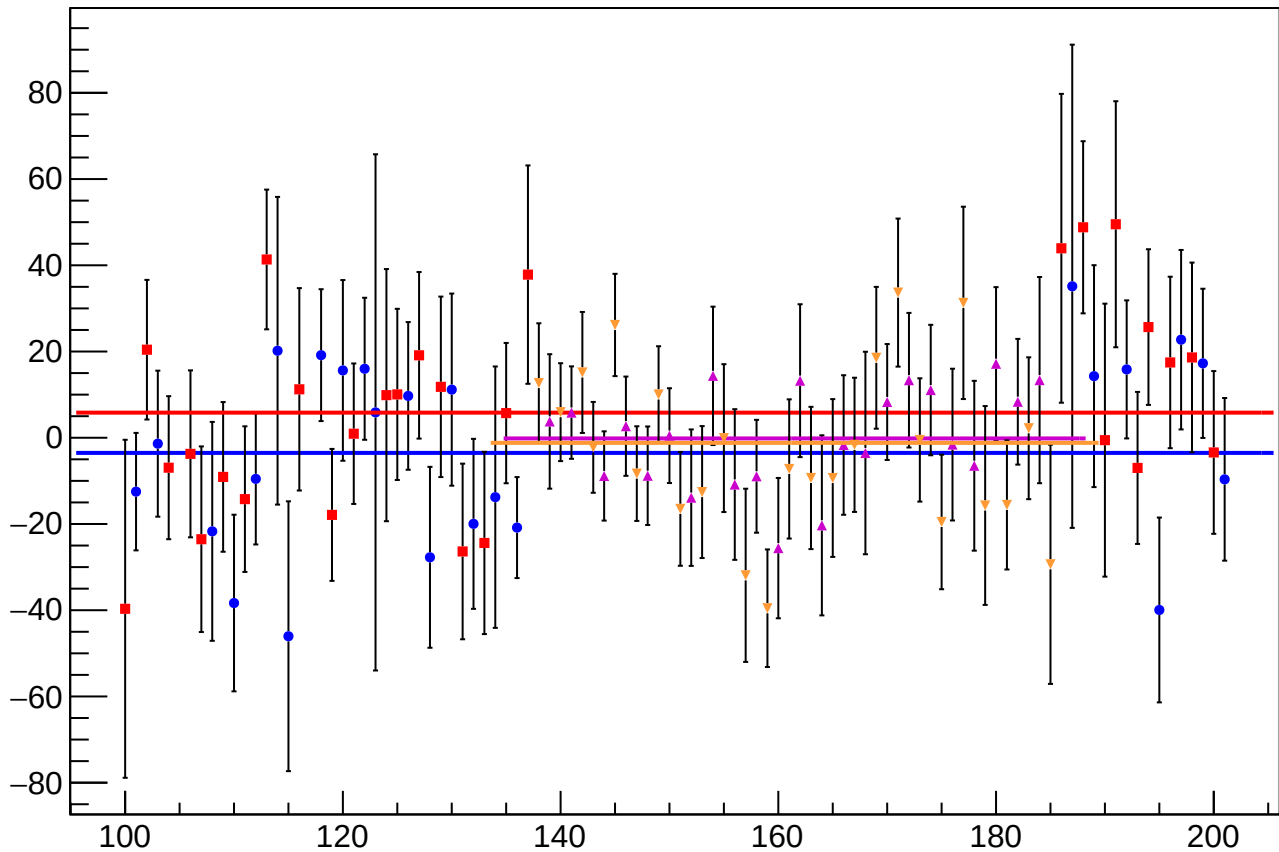
- sign 1.922 $\pm$ 1.078 χ^2 /NDF: 60.8/50

diff_bpm1Y_rms vs Slug



Right In: 6036.994 ± 1.338 $\chi^2/\text{NDF}: 1886278.7/23$ + sign 5924.046 ± 0.802 $\chi^2/\text{NDF}: 3587464.4/48$
 Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$ All: 5735.854 ± 0.553 $\chi^2/\text{NDF}: 9240432.2/99$
 Right Out: 5557.757 ± 1.201 $\chi^2/\text{NDF}: 3385338.6/27$ - sign 5565.858 ± 0.762 $\chi^2/\text{NDF}: 5548203.1/50$
 Left In: 5571.330 ± 0.987 $\chi^2/\text{NDF}: 2162788.3/22$

diff_bpm11X_mean vs Slug



Right In: -3.512 ± 3.938 χ^2/NDF : 24.6/23

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 5.823 ± 3.746 χ^2/NDF : 31.9/27

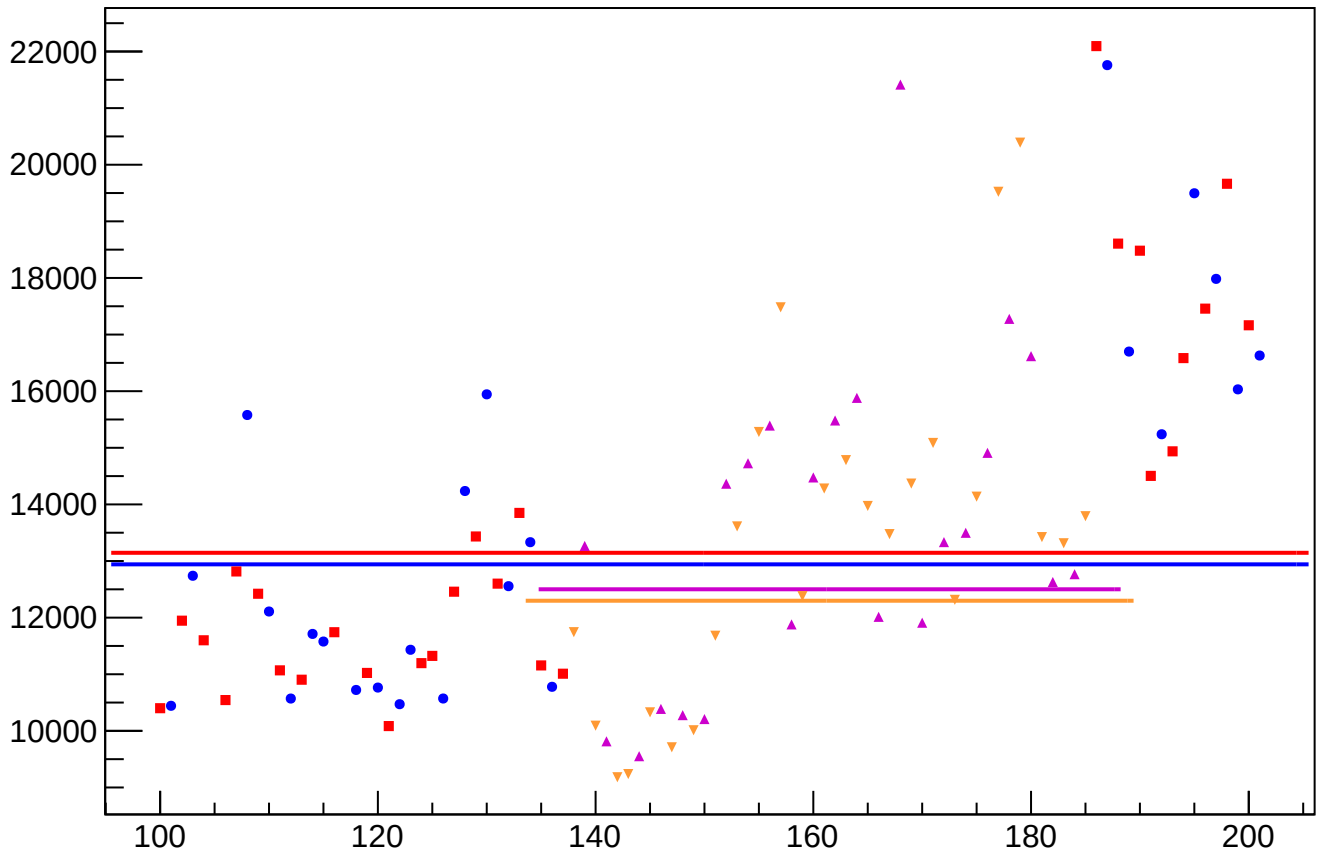
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.015 ± 2.355 χ^2/NDF : 58.5/48

All: 0.098 ± 1.670 χ^2/NDF : 105.1/99

- sign 2.235 ± 2.369 χ^2/NDF : 45.0/50

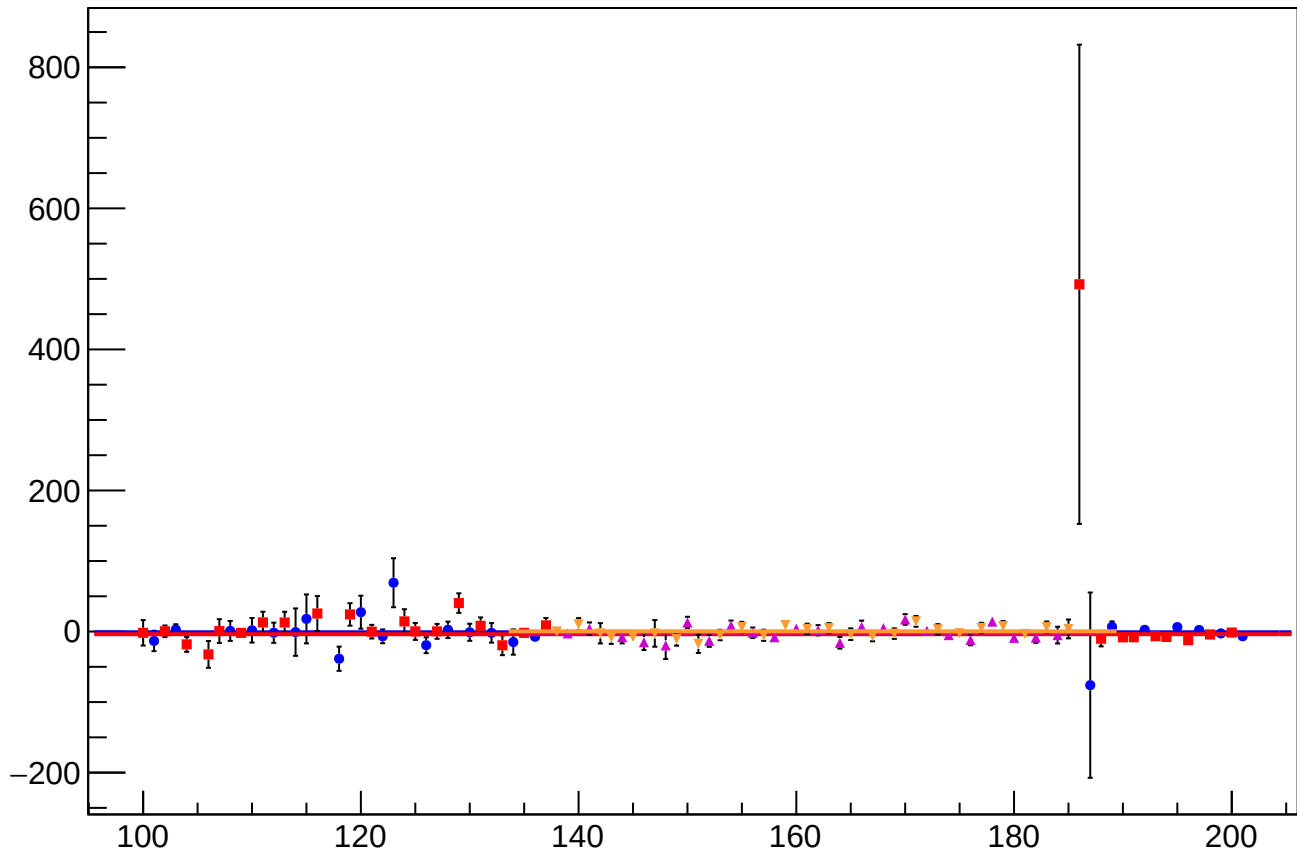
diff_bpm11X_rms vs Slug



Right In: 12941.231 $\pm$ 2.785 χ^2 /NDF: 986799.7/23
 Left Out: 12298.676 $\pm$ 2.078 χ^2 /NDF:1506026.8/24
 Right Out: 13145.331 $\pm$ 2.649 χ^2 /NDF: 1128843.8/27
 Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF:1357889.1/22

+ sign 12528.498 $\pm$ 1.665 χ^2 /NDF: 2527022.7/48
 All: 12642.878 $\pm$ 1.181 χ^2 /NDF: 5058776.2/9
 - sign 12758.572 $\pm$ 1.675 χ^2 /NDF: 2522266.4/50

diff_bpm11Y_mean vs Slug



Right In: -1.032 ± 1.699 χ^2/NDF : 22.8/23

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -3.736 ± 1.539 χ^2/NDF : 34.2/27

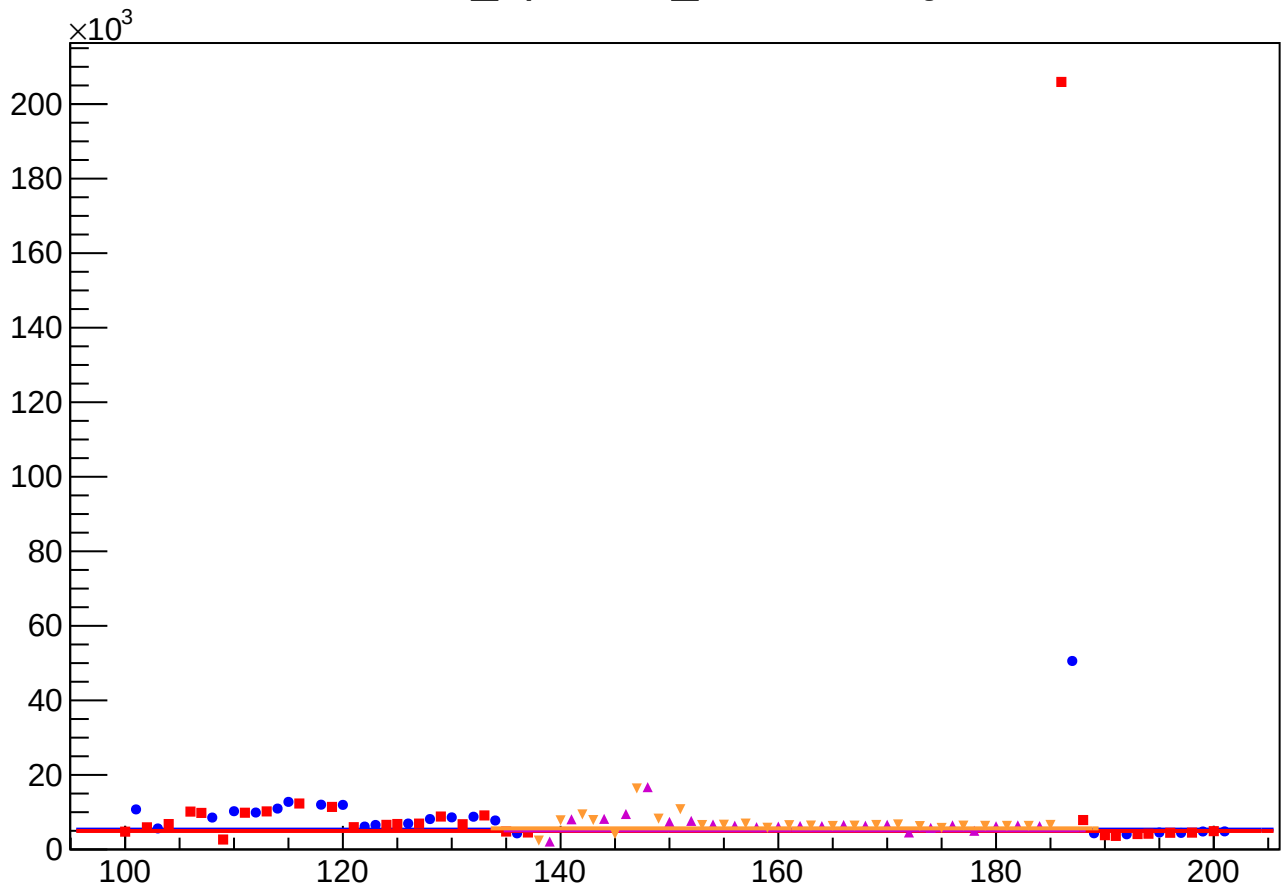
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign -0.223 ± 1.096 χ^2/NDF : 42.3/48

All: -1.333 ± 0.748 χ^2/NDF : 113.5/99

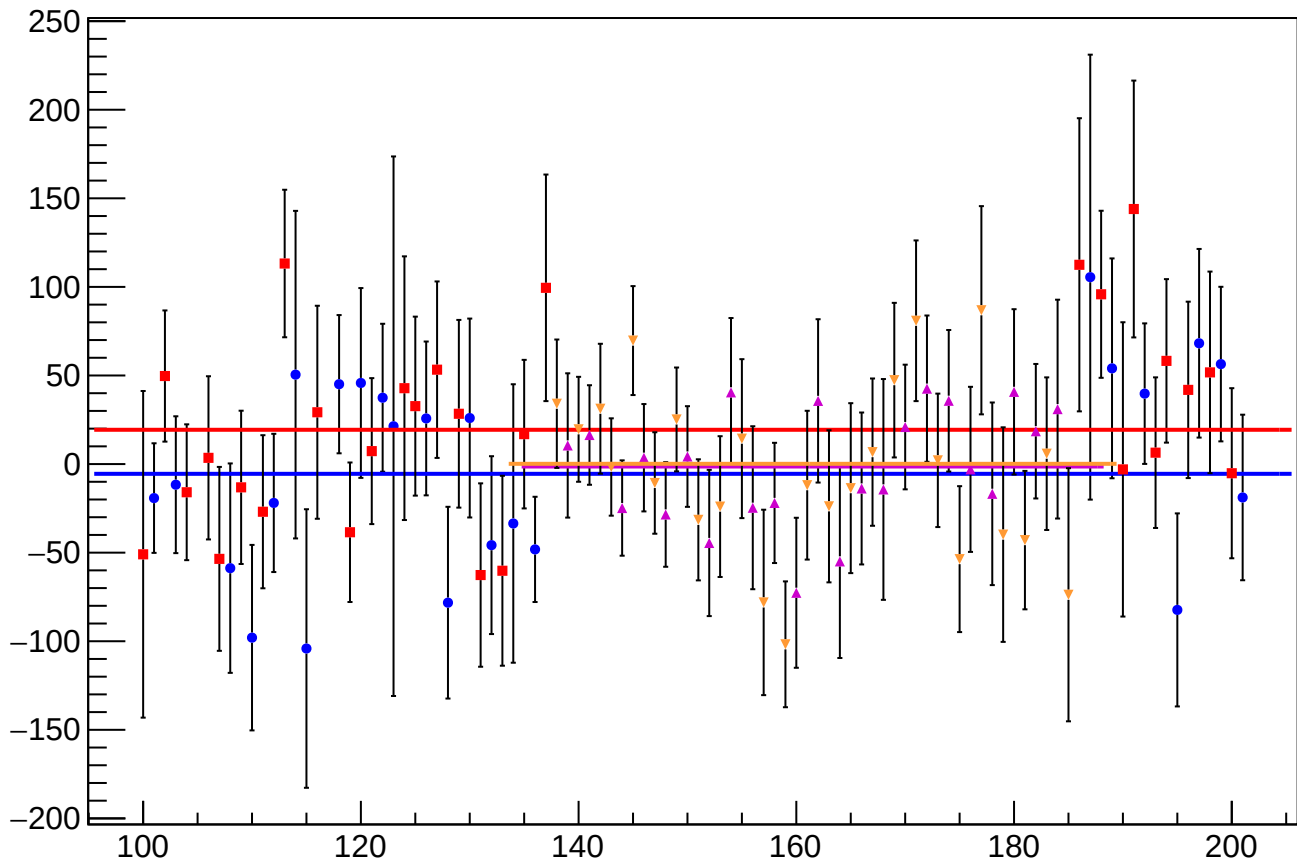
- sign -2.303 ± 1.024 χ^2/NDF : 69.3/50

diff_bpm11Y_rms vs Slug



Right In: 5320.621 ± 1.201 $\chi^2/\text{NDF}: 2521976.8/23$ + sign 5518.557 ± 0.775 $\chi^2/\text{NDF}: 6697025.7/48$
 Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$ All: 5273.533 ± 0.529 $\chi^2/\text{NDF}: 15888166.6/9$
 Right Out: 4960.806 ± 1.089 $\chi^2/\text{NDF}: 3493366.9/27$ - sign 5059.475 ± 0.724 $\chi^2/\text{NDF}: 9003711.4/50$
 Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

diff_bpm12X_mean vs Slug



Right In: -5.505 ± 9.787 $\chi^2/\text{NDF}: 24.4/23$

Left Out: 0.143 ± 7.683 $\chi^2/\text{NDF}: 31.3/24$

Right Out: 19.354 ± 9.327 $\chi^2/\text{NDF}: 28.7/27$

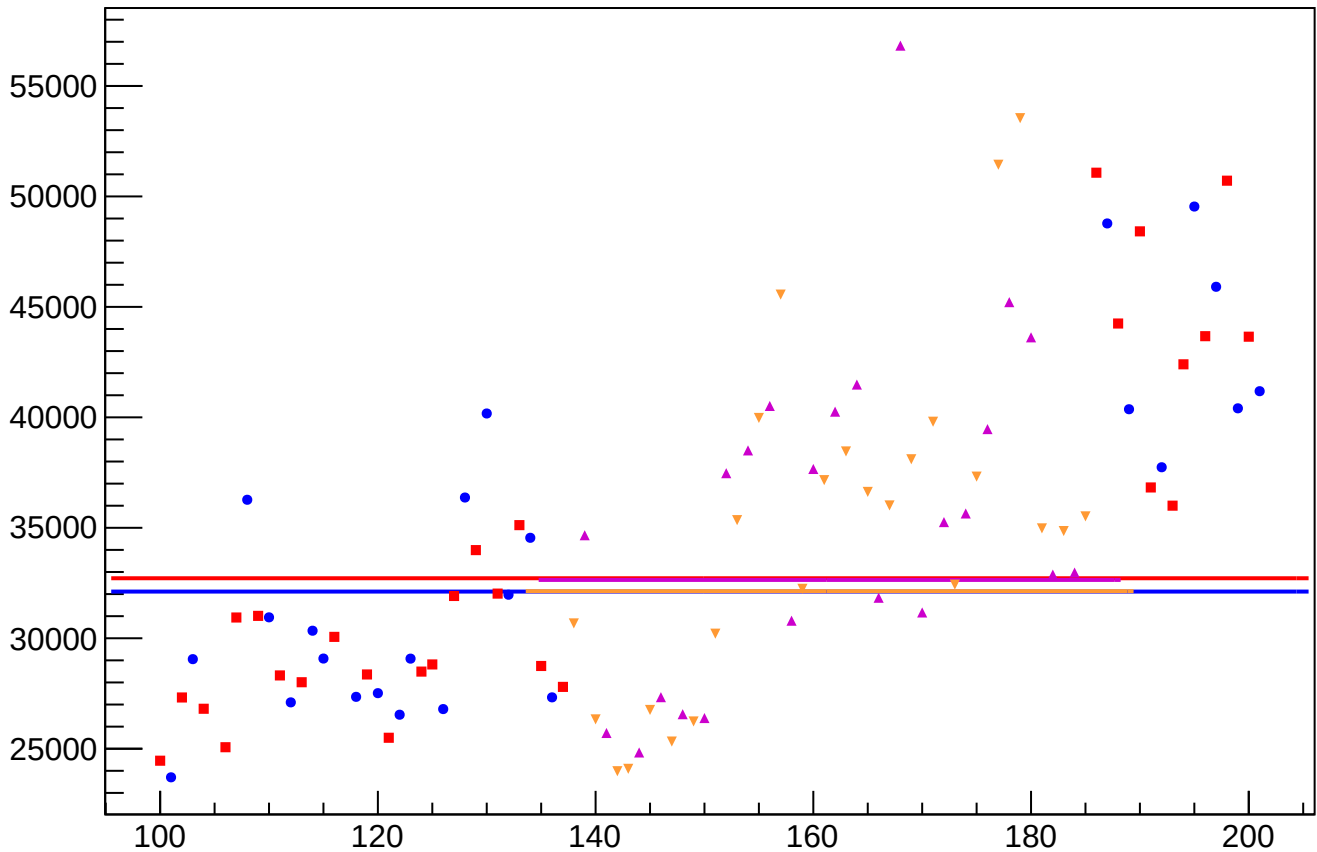
Left In: -1.374 ± 7.990 $\chi^2/\text{NDF}: 13.3/22$

+ sign -2.011 ± 6.043 $\chi^2/\text{NDF}: 55.9/48$

All: 2.676 ± 4.282 $\chi^2/\text{NDF}: 102.0/99$

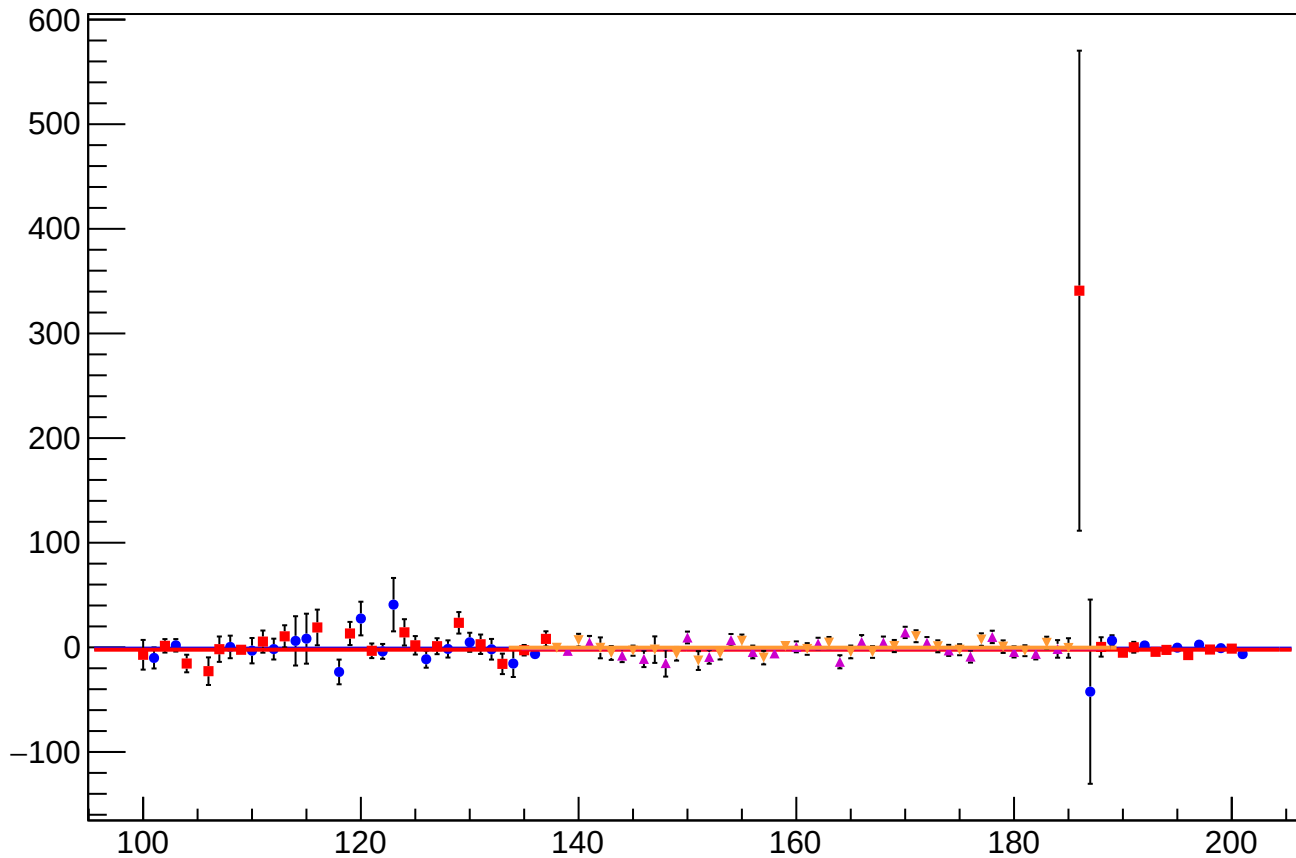
- sign 7.400 ± 6.068 $\chi^2/\text{NDF}: 44.9/50$

diff_bpm12X_rms vs Slug



Right In: 32113.538+/-6.921	χ^2/NDF : 1024145.8/23	+ sign 32125.155+/-4.273	χ^2/NDF : 2564229.8/48
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 32398.005+/-3.028	χ^2/NDF : 5128455.7/9
Right Out: 32716.537+/-6.595	χ^2/NDF : 1153801.7/27	- sign 32673.067+/-4.291	χ^2/NDF : 2556039.5/50
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: -1.211 ± 1.174 χ^2/NDF : 23.4/23

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -2.238 ± 1.112 χ^2/NDF : 29.6/27

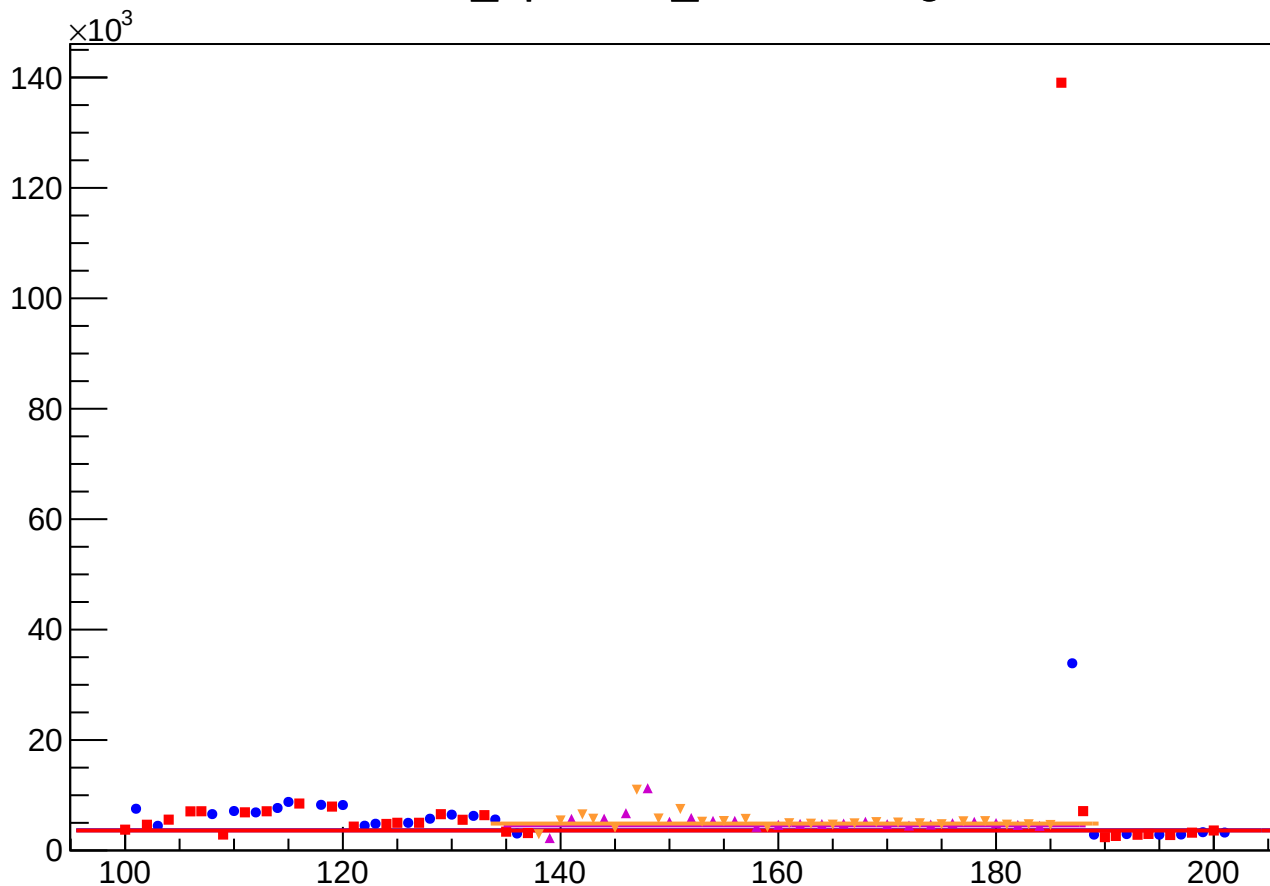
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.760 ± 0.829 χ^2/NDF : 41.3/48

All: -1.192 ± 0.575 χ^2/NDF : 108.2/99

- sign -1.591 ± 0.797 χ^2/NDF : 66.4/50

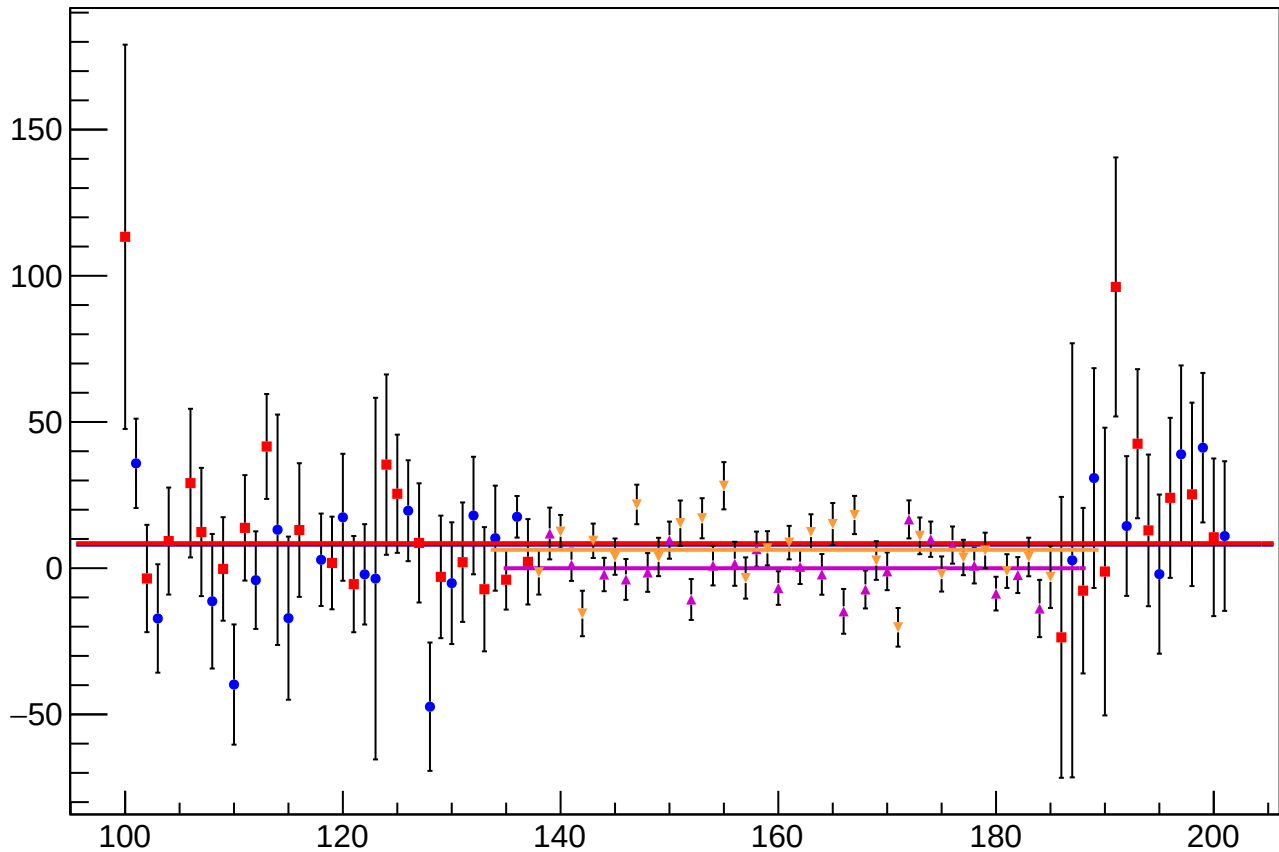
diff_bpm12Y_rms vs Slug



Right In: 3654.532 ± 0.830 χ^2/NDF : 2789390.6/23
 Left Out: 4868.567 ± 0.829 χ^2/NDF : 1511151.0/24
 Right Out: 3616.415 ± 0.786 χ^2/NDF : 3532778.9/27
 Left In: 4544.337 ± 0.808 χ^2/NDF : 2634314.4/22

+ sign 4262.729 ± 0.586 χ^2/NDF : 5372062.3/48
 All: 4161.497 ± 0.406 χ^2/NDF : 12274029.0/9
 - sign 4068.038 ± 0.563 χ^2/NDF : 6844652.6/50

diff_bpm16X_mean vs Slug



Right In: 8.044 ± 3.836 χ^2/NDF : 25.9/23

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 8.561 ± 3.917 χ^2/NDF : 19.6/27

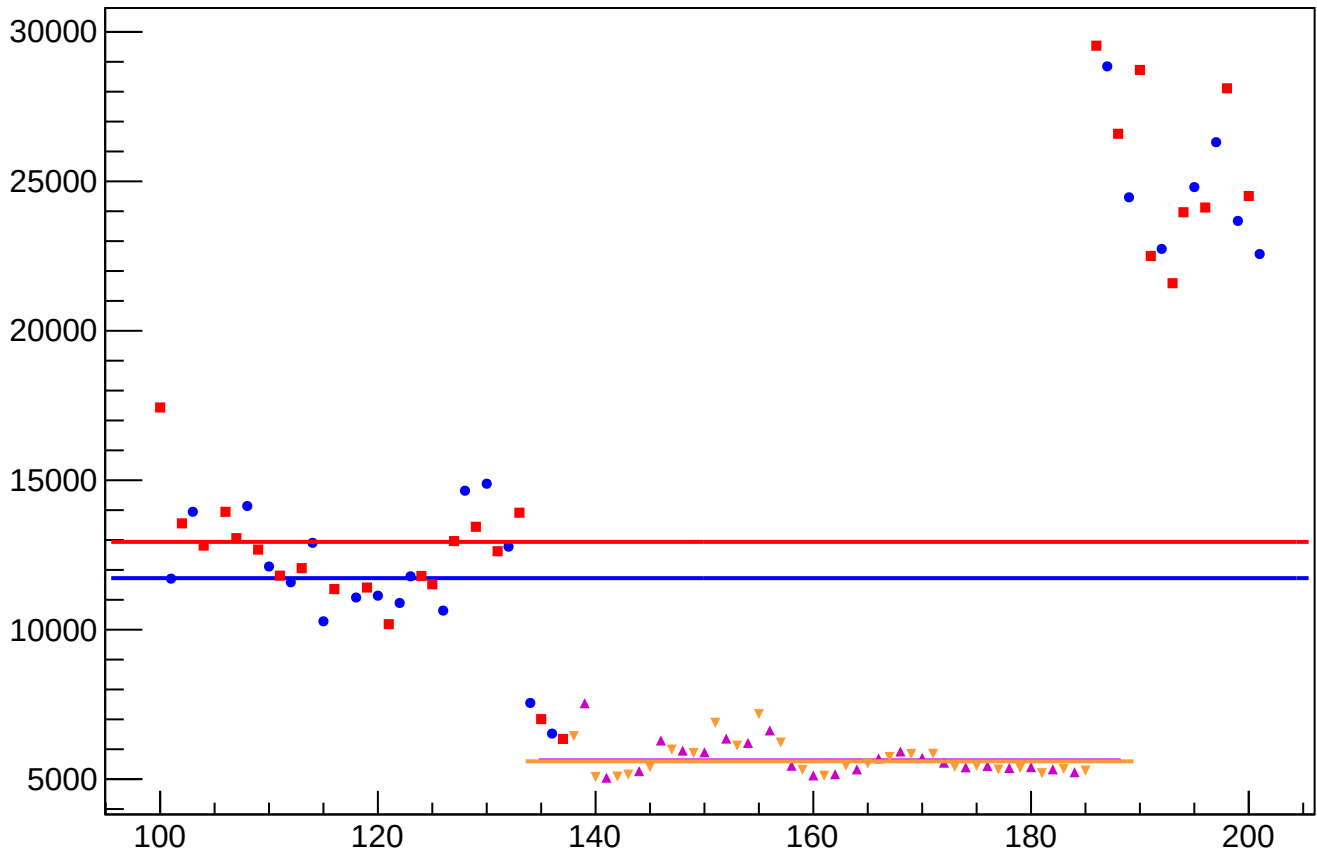
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.478 ± 1.240 χ^2/NDF : 82.6/48

All: 3.773 ± 0.890 χ^2/NDF : 146.3/99

- sign 0.895 ± 1.279 χ^2/NDF : 53.8/50

diff_bpm16X_rms vs Slug



Right In: 11724.621+/-2.713 χ^2/NDF : 3820570.4/23

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

+ sign 6236.546+/-0.877 χ^2/NDF : 8675472.5/48

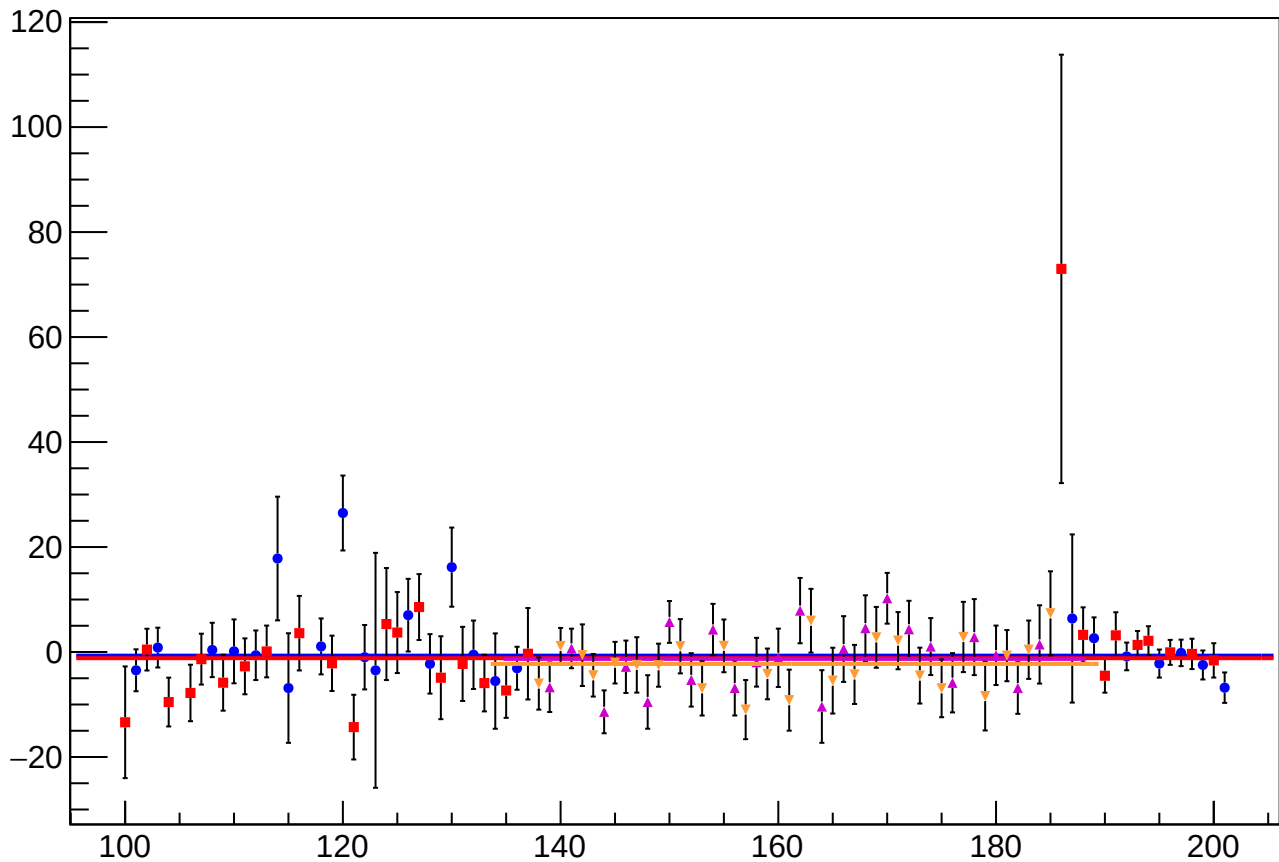
Right Out: 12937.834+/-2.770 χ^2/NDF : 3977495.6/27

All: 6319.000+/-0.629 χ^2/NDF : 19175233.2/50

- sign 6406.729+/-0.904 χ^2/NDF : 10481504.5/50

Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

diff_bpm16Y_mean vs Slug



Right In: -0.693 ± 0.889 χ^2/NDF : 31.2/23

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.178 ± 0.843 χ^2/NDF : 26.5/27

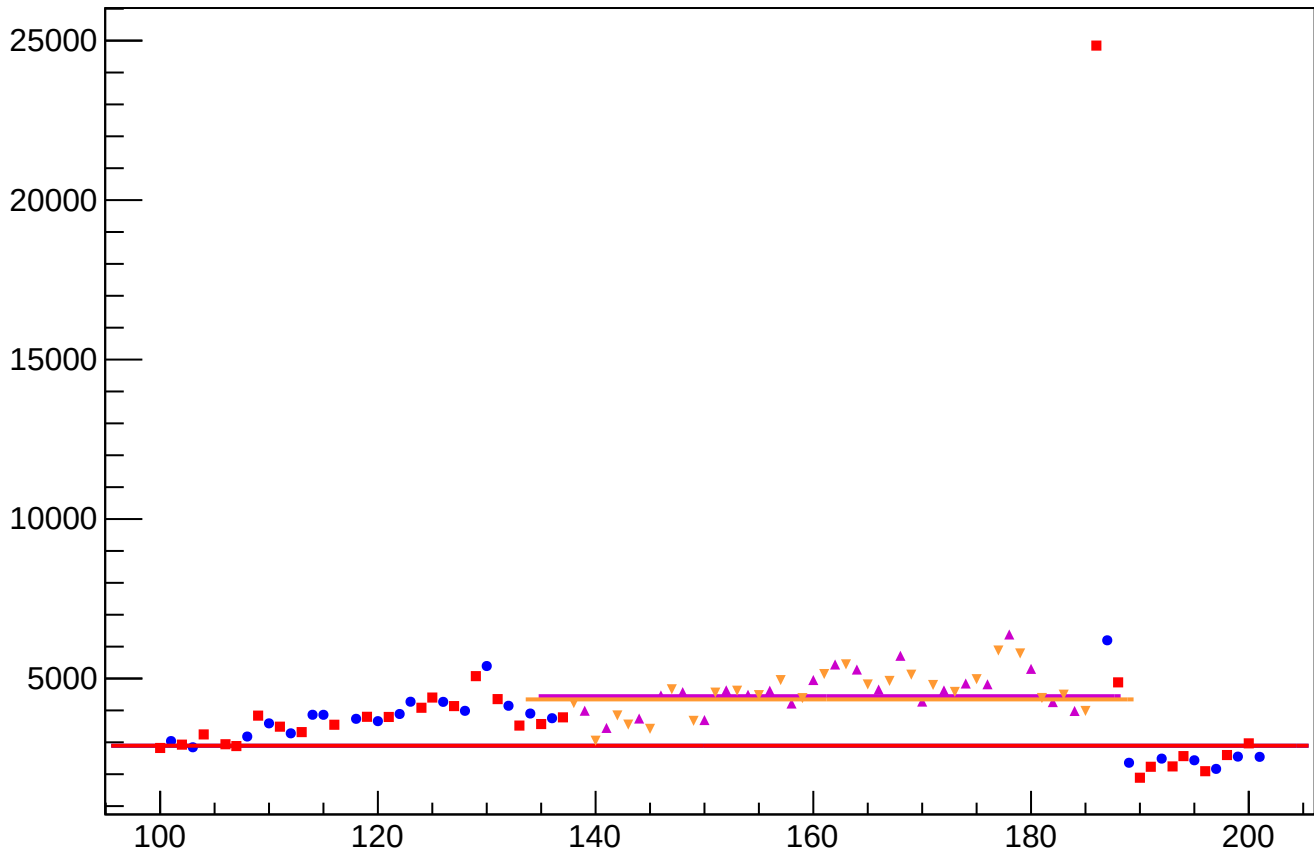
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.366 ± 0.673 χ^2/NDF : 47.9/48

All: -1.295 ± 0.473 χ^2/NDF : 105.3/99

- sign -1.226 ± 0.664 χ^2/NDF : 57.3/50

diff_bpm16Y_rms vs Slug



Right In: 2892.191 $\pm$ 0.629 χ^2 /NDF: 1227250.4/23

Left Out: 4345.381 $\pm$ 0.728 χ^2 /NDF:1000636.1/24

Right Out: 2894.225 $\pm$ 0.596 χ^2 /NDF: 2232681.3/27

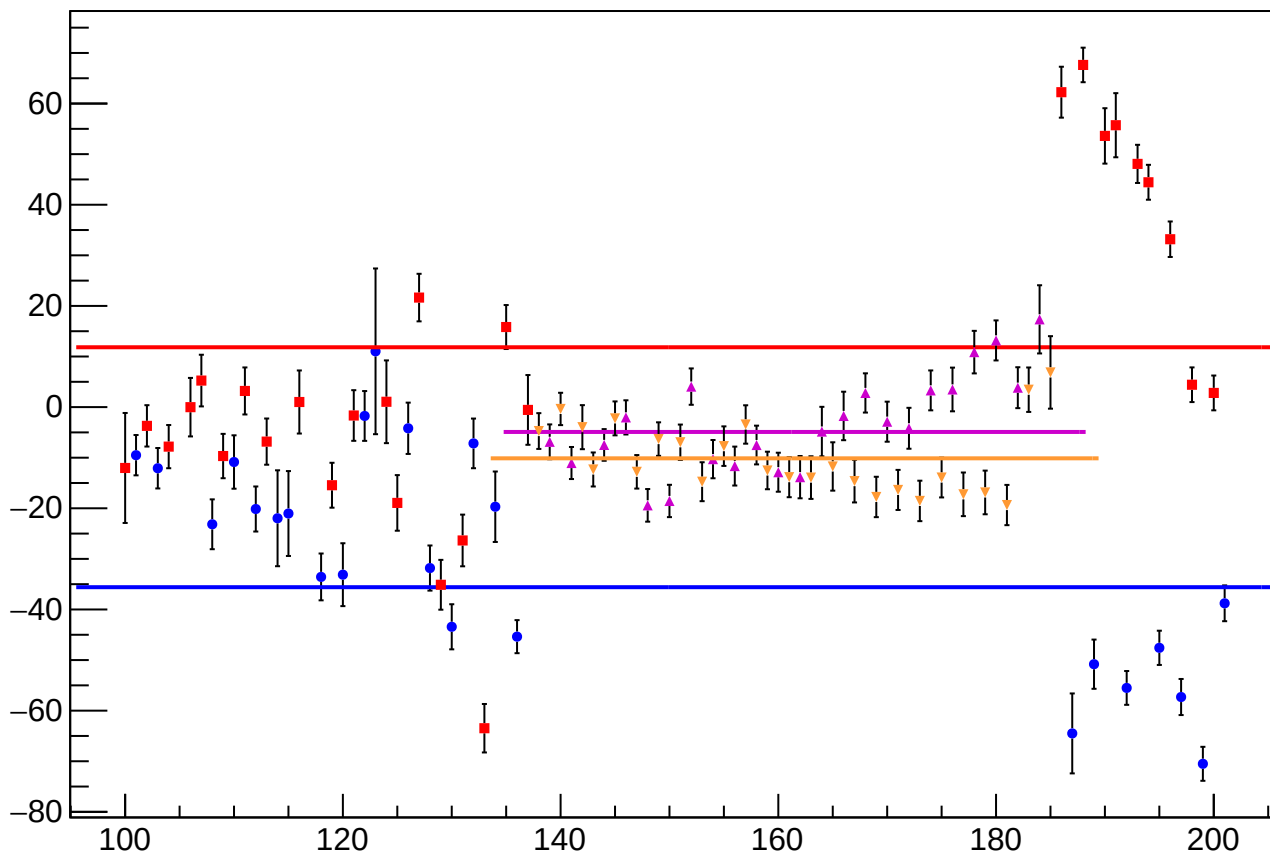
Left In: 4446.181 $\pm$ 0.762 χ^2 /NDF:702797.6/22

+ sign 3512.847 $\pm$ 0.476 χ^2 /NDF: 4511145.4/48

All: 3498.197 $\pm$ 0.334 χ^2 /NDF: 10023176.0/9

- sign 3483.929 $\pm$ 0.469 χ^2 /NDF: 5510158.6/50

diff_bpm0l01X_mean vs Slug



Right In: -35.595 ± 0.923 χ^2/NDF : 485.7/23

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 11.828 ± 0.866 χ^2/NDF : 1278.0/27

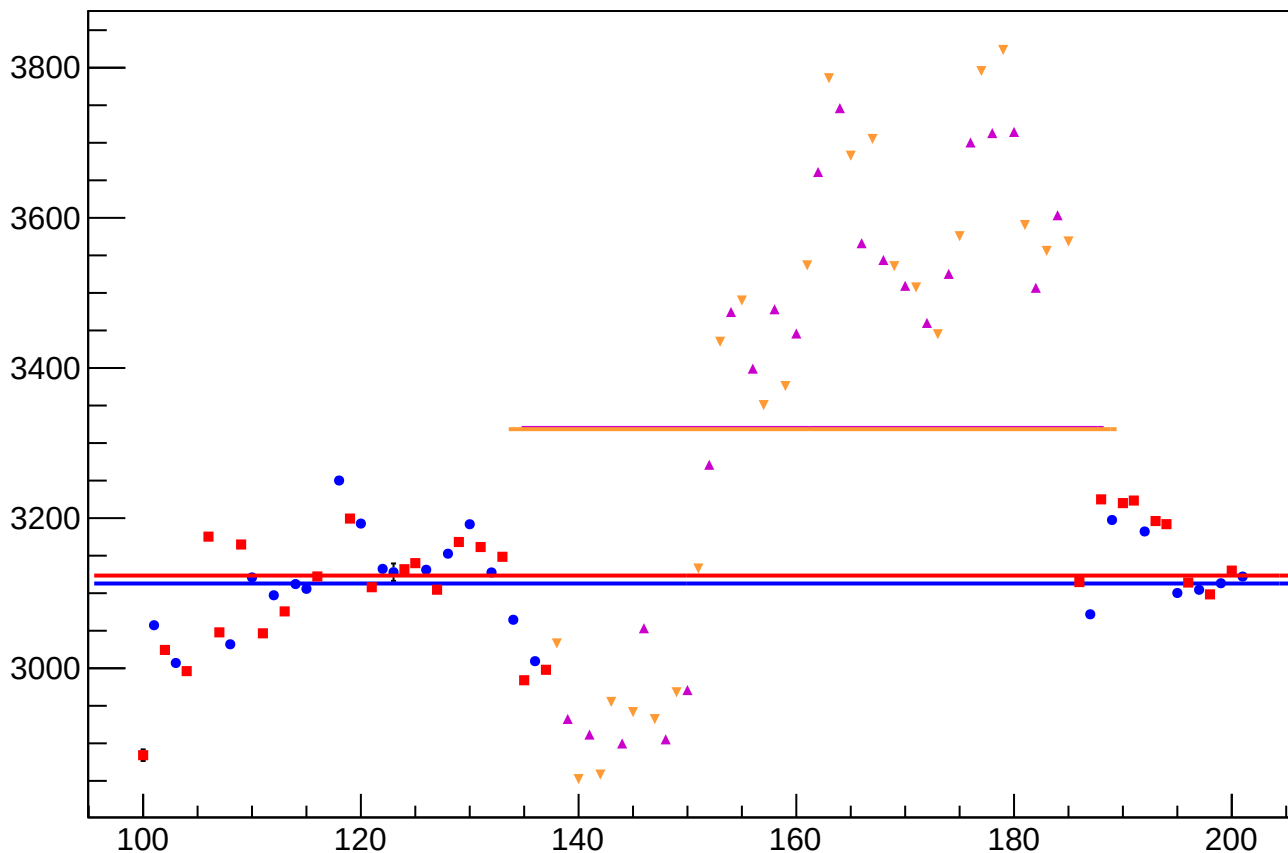
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -20.664 ± 0.594 χ^2/NDF : 1000.1/48

All: -8.805 ± 0.417 χ^2/NDF : 3396.6/99

- sign 2.767 ± 0.586 χ^2/NDF : 1608.2/50

diff_bpm0l01X_rms vs Slug



Right In: 3112.921+/-0.653 χ^2/NDF : 8989.3/23

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3123.505+/-0.612 χ^2/NDF : 13727.1/27

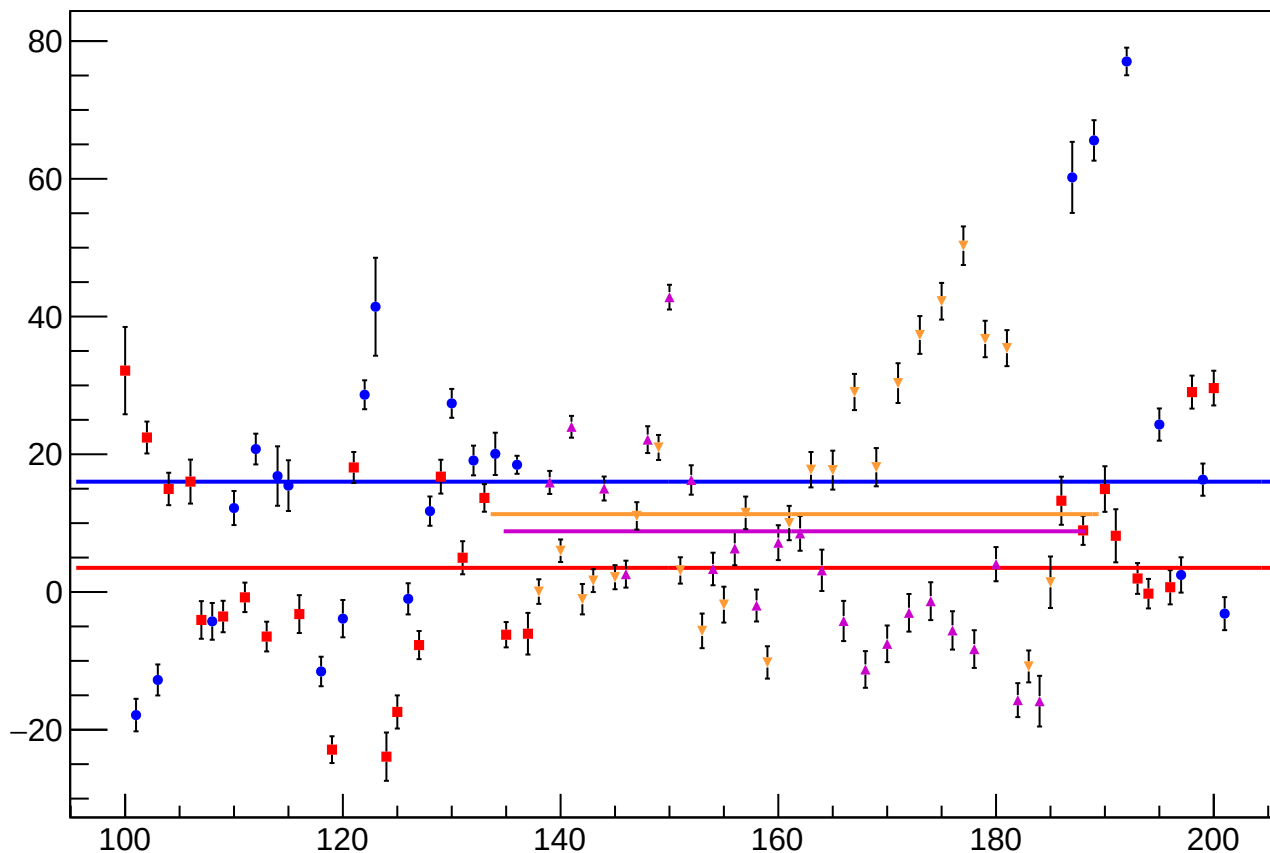
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3233.436+/-0.420 χ^2/NDF : 404851.3/48

All: 3231.680+/-0.295 χ^2/NDF : 762085.4/99

- sign 3229.966+/-0.415 χ^2/NDF : 357199.6/50

diff_bpm0l01Y_mean vs Slug



Right In: 16.020+/-0.485 χ^2 /NDF: 2190.3/23

Left Out: 11.305+/-0.454 χ^2 /NDF:1144.3/24

Right Out: 3.508+/-0.461 χ^2 /NDF: 914.8/27

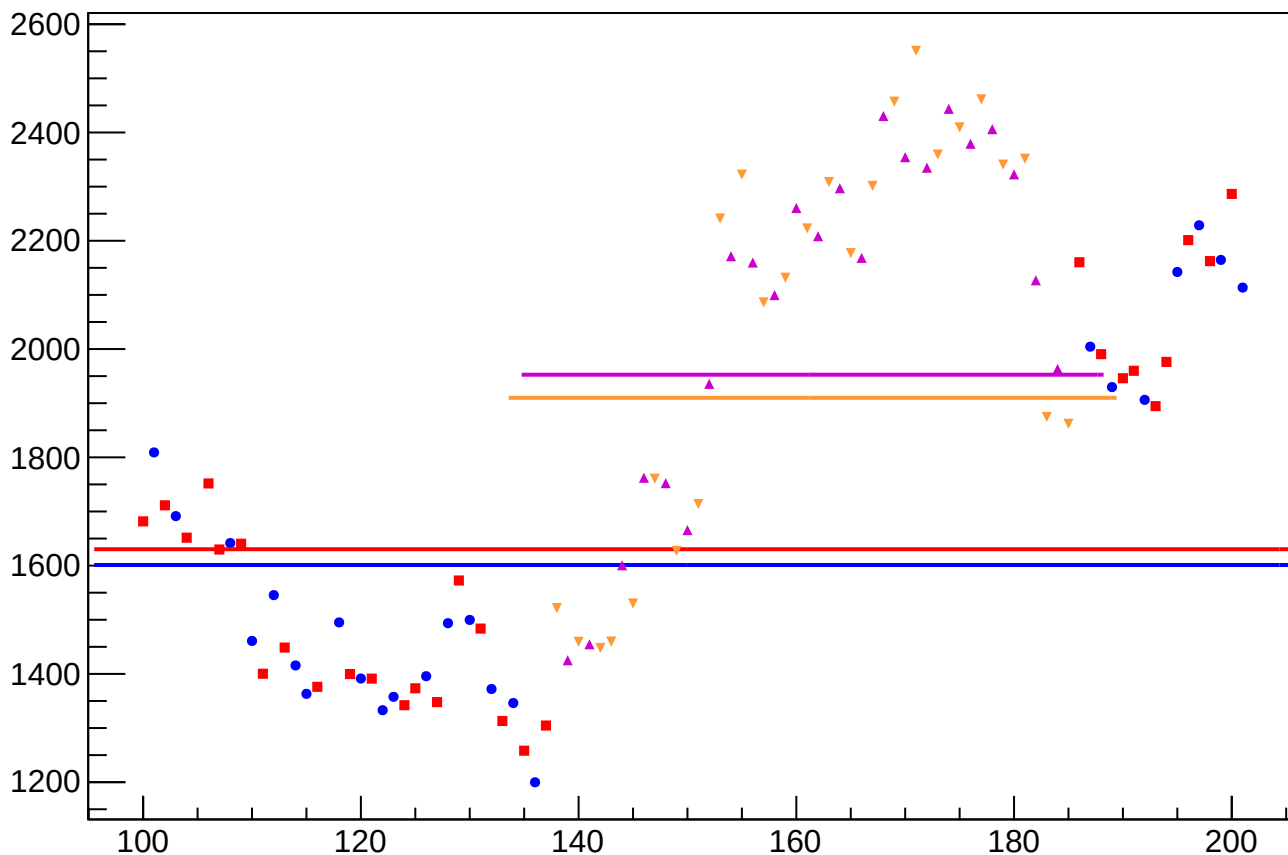
Left In: 8.815+/-0.475 χ^2 /NDF:942.2/22

+ sign 13.507+/-0.331 χ^2 /NDF: 3385.0/48

All: 9.788+/-0.234 χ^2 /NDF: 5557.8/99

- sign 6.080+/-0.331 χ^2 /NDF: 1921.2/50

diff_bpm0l01Y_rms vs Slug



Right In: 1601.156 $\pm$ 0.343 χ^2 /NDF: 859941.2/23

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1630.289 $\pm$ 0.326 χ^2 /NDF: 906462.6/27

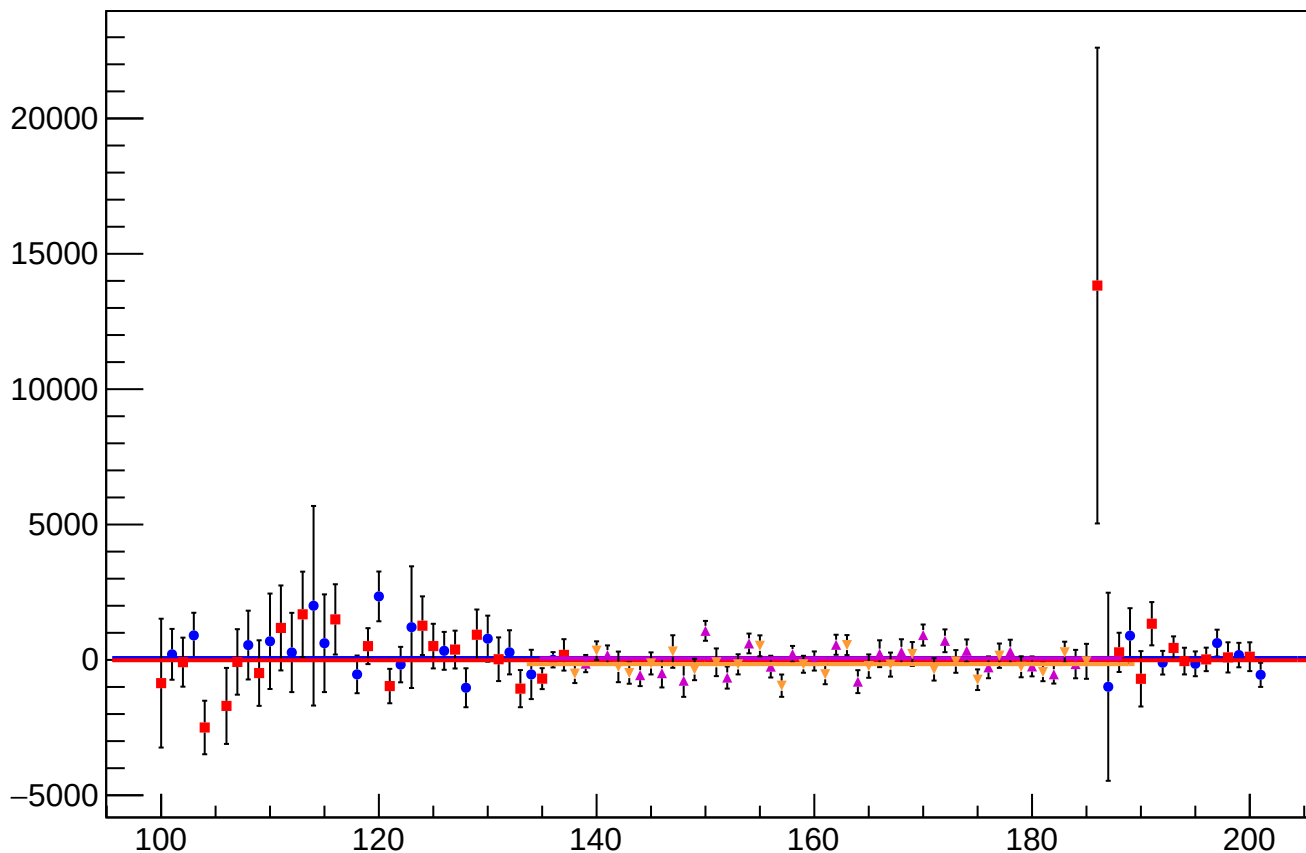
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1765.756 $\pm$ 0.234 χ^2 /NDF: 2691801.9/48

All: 1776.131 $\pm$ 0.166 χ^2 /NDF: 5141562.0/99

- sign 1786.477 $\pm$ 0.234 χ^2 /NDF: 2445844.1/50

asym_sam1_mean vs Slug



Right In: 68.925 ± 133.984 χ^2/NDF : 17.0/23

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -12.613 ± 134.393 χ^2/NDF : 29.9/27

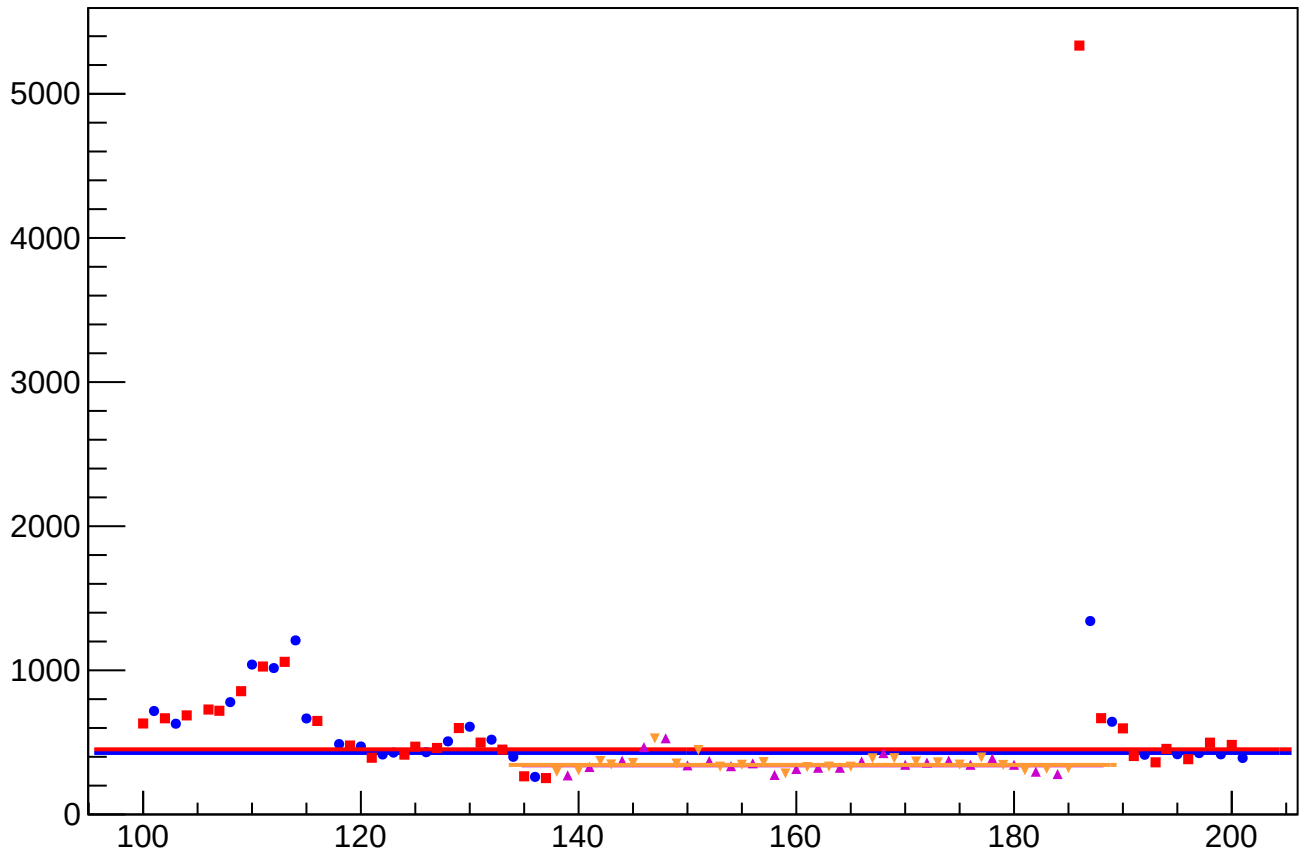
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -96.930 ± 69.189 χ^2/NDF : 41.2/48

All: -29.948 ± 49.333 χ^2/NDF : 111.7/99

- sign 39.323 ± 70.361 χ^2/NDF : 68.6/50

asym_sam1_rms vs Slug



Right In: 426.744 $\pm$ 0.095 χ^2 /NDF: 2252101.1/23

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 451.953 $\pm$ 0.095 χ^2 /NDF: 3034243.9/27

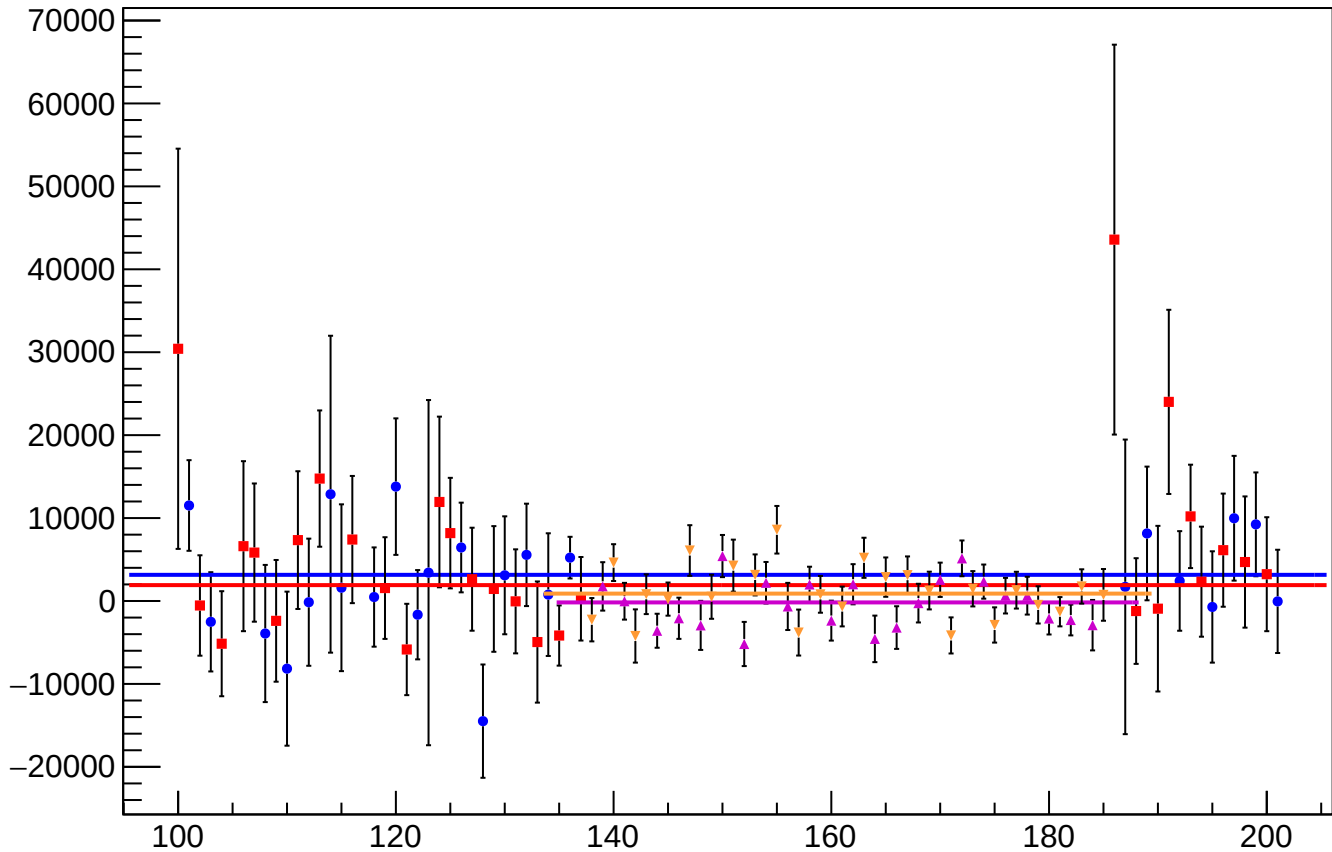
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 365.923 $\pm$ 0.049 χ^2 /NDF: 3353515.2/48

All: 368.578 $\pm$ 0.035 χ^2 /NDF: 8110152.8/99

- sign 371.323 $\pm$ 0.050 χ^2 /NDF: 4750650.1/50

asym_sam2_mean vs Slug



Right In: 3154.475 $\pm$ 1277.697 χ^2 /NDF: 19.3/23

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF: 38.0/24

Right Out: 1914.938 $\pm$ 1303.304 χ^2 /NDF: 24.4/27

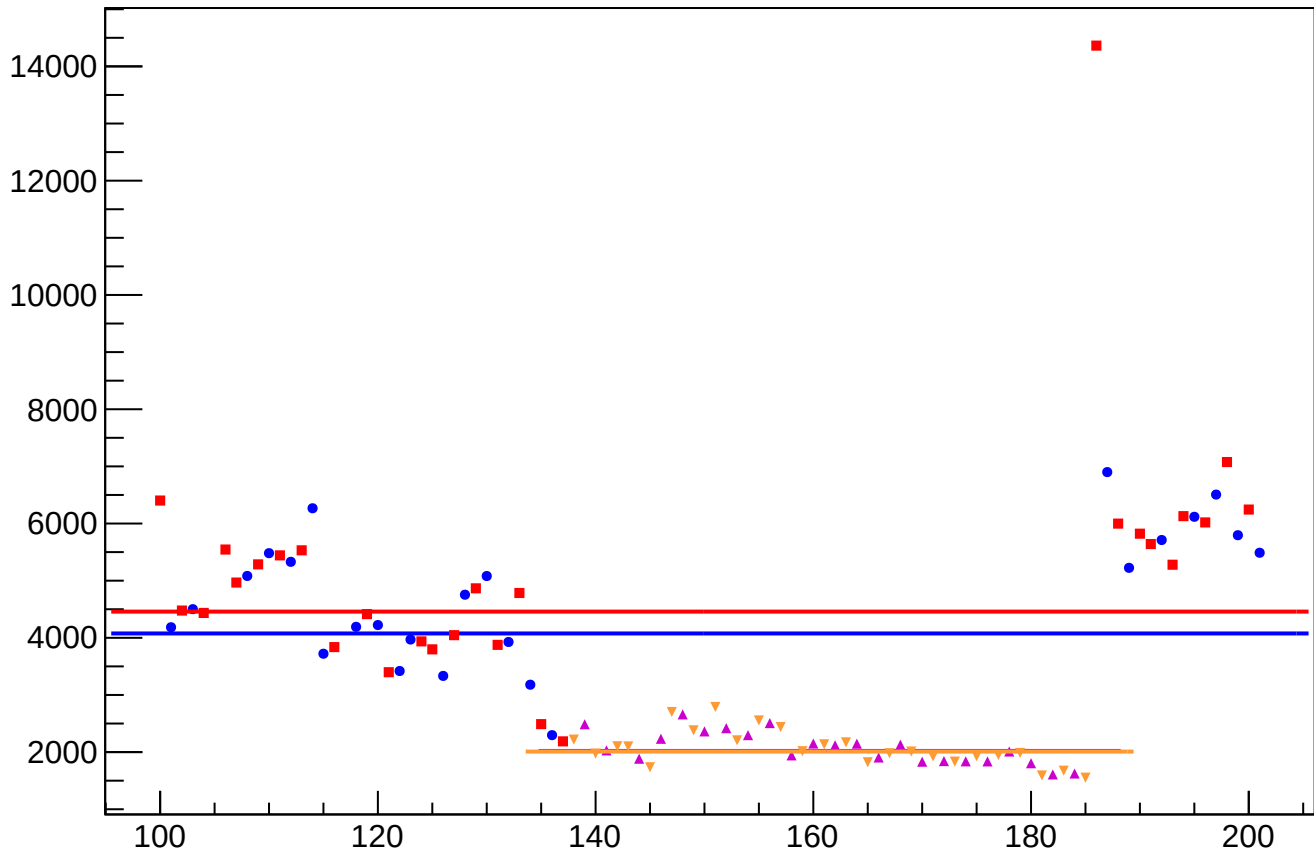
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF: 33.2/22

+ sign 1163.546 $\pm$ 443.796 χ^2 /NDF: 60.1/48

All: 639.836 $\pm$ 318.400 χ^2 /NDF: 122.8/99

- sign 84.331 $\pm$ 457.069 χ^2 /NDF: 59.9/50

asym_sam2_rms vs Slug



Right In: 4076.375+/-0.903 χ^2/NDF : 2218203.4/23

Left Out: 2009.631+/-0.335 χ^2/NDF : 709977.6/24

Right Out: 4458.764+/-0.922 χ^2/NDF : 2425327.5/27

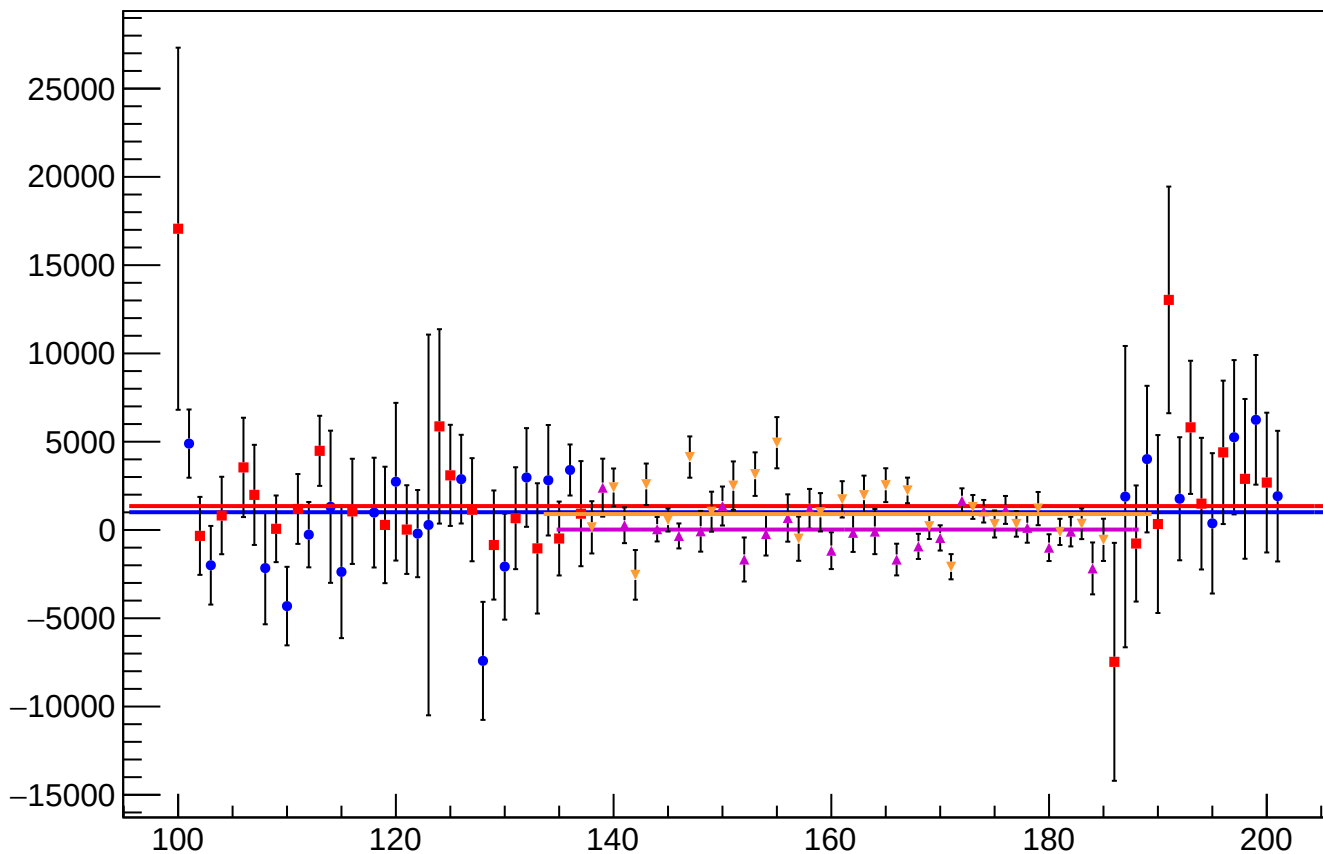
Left In: 2020.365+/-0.345 χ^2/NDF : 573483.0/22

+ sign 2258.975+/-0.314 χ^2/NDF : 7529808.3/48

All: 2288.717+/-0.225 χ^2/NDF : 16686905.0/50

- sign 2320.266+/-0.323 χ^2/NDF : 9138585.3/50

asym_sam3_mean vs Slug



Right In: 1006.829+/-577.599 χ^2/NDF : 29.4/23

Left Out: 902.091+/-185.850 χ^2/NDF : 63.5/24

Right Out: 1352.977+/-556.281 χ^2/NDF : 17.5/27

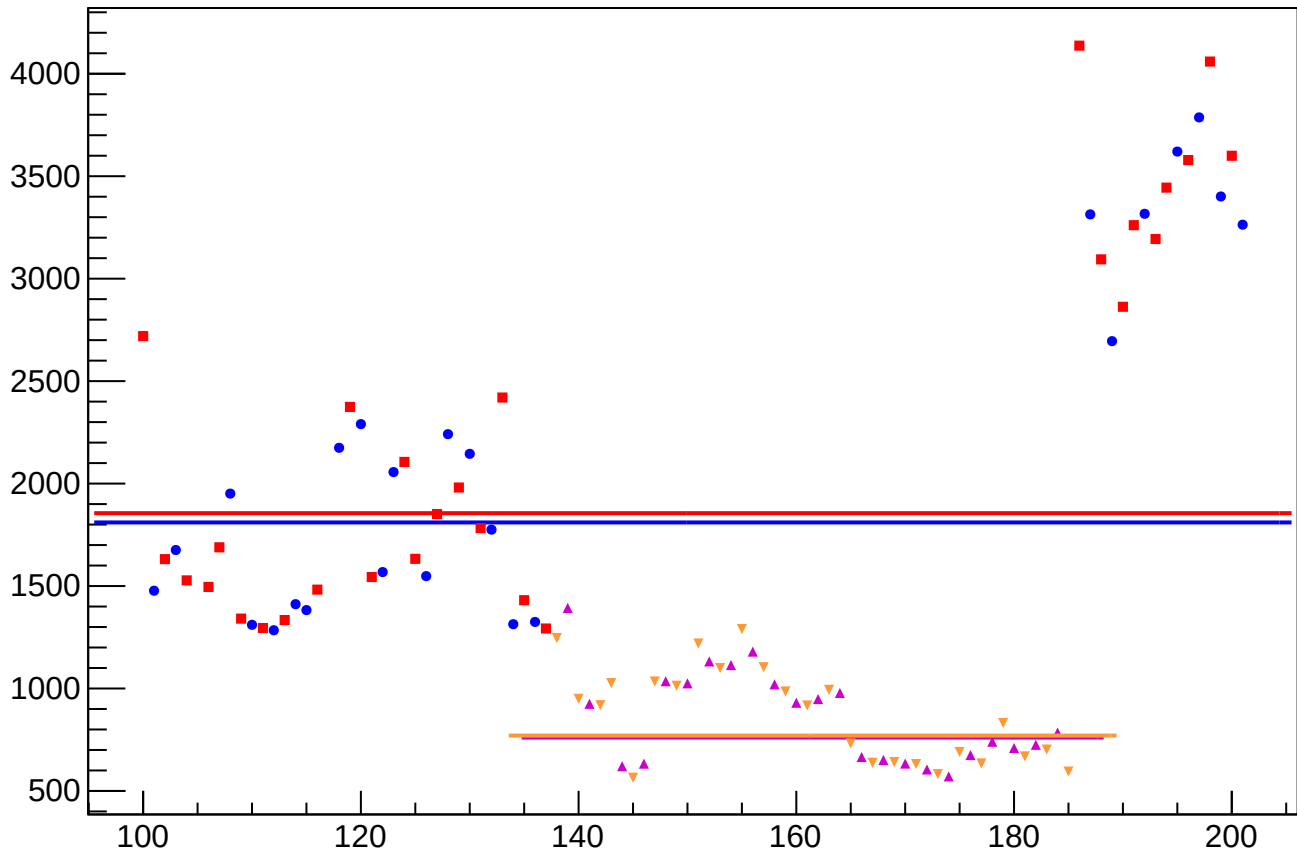
Left In: 23.529+/-188.137 χ^2/NDF : 28.2/22

+ sign 911.918+/-176.917 χ^2/NDF : 93.0/48

All: 538.710+/-125.557 χ^2/NDF : 152.8/99

- sign 159.986+/-178.220 χ^2/NDF : 50.8/50

asym_sam3_rms vs Slug



Right In: 1810.370 $\pm$ 0.408 χ^2 /NDF: 2837074.3/23

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 1855.678 $\pm$ 0.393 χ^2 /NDF: 3425798.5/27

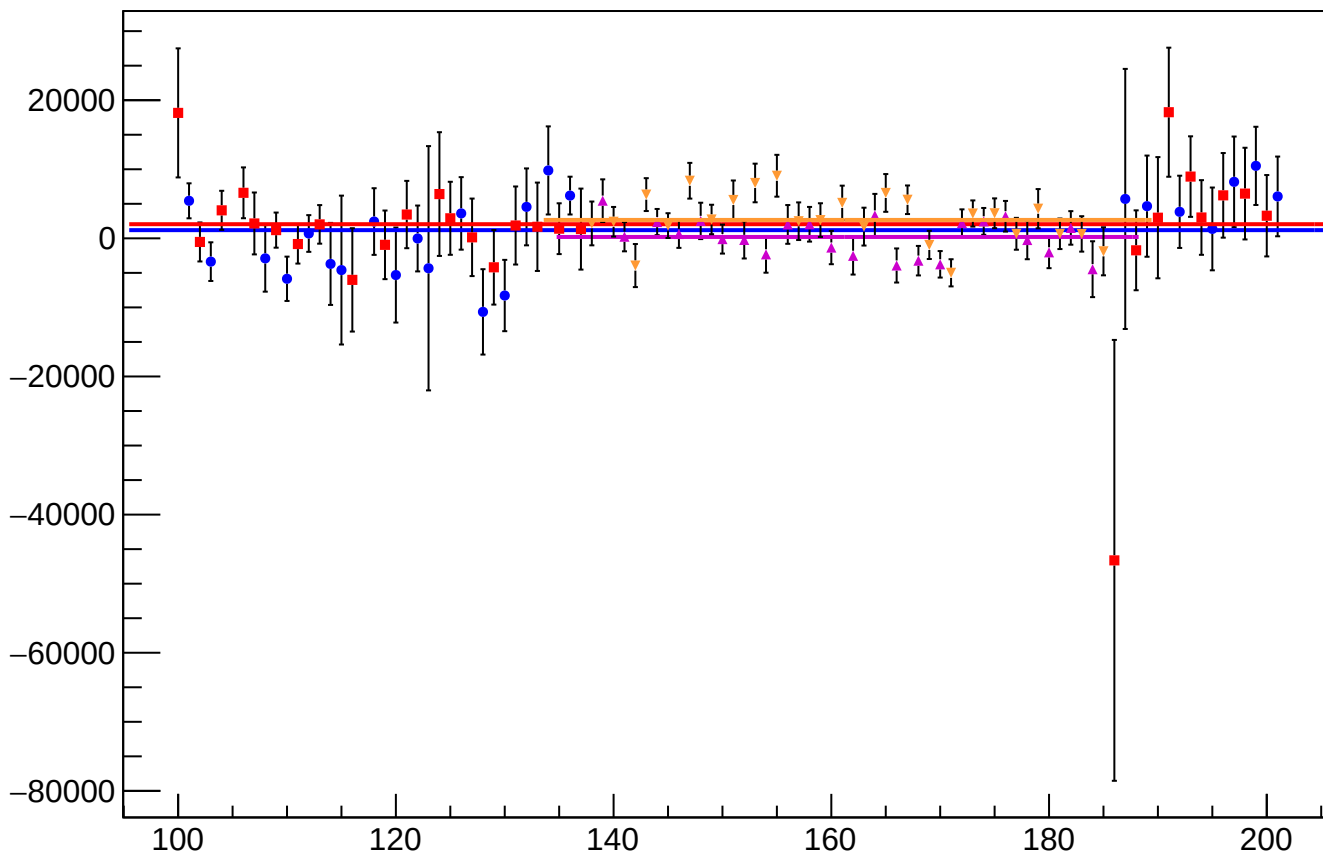
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 867.896 $\pm$ 0.125 χ^2 /NDF: 11000978.9/48

All: 870.319 $\pm$ 0.089 χ^2 /NDF: 23372443.4/99

- sign 872.778 $\pm$ 0.126 χ^2 /NDF: 12370708.5/50

asym_sam4_mean vs Slug



Right In: 1186.644 $\pm$ 922.836 χ^2 /NDF: 31.0/23

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF: 49.2/24

Right Out: 2047.046 $\pm$ 856.277 χ^2 /NDF: 18.5/27

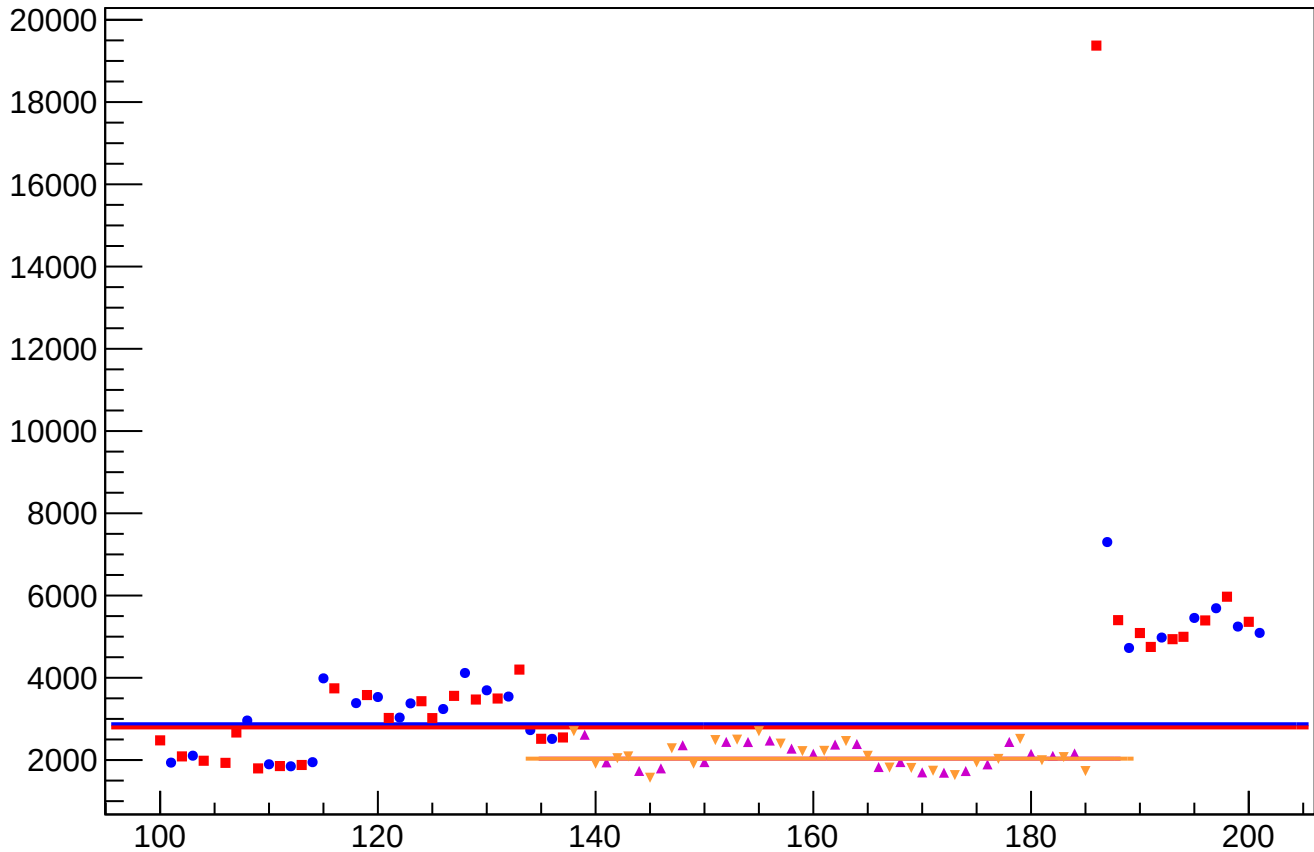
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2350.905 $\pm$ 425.682 χ^2 /NDF: 82.2/48

All: 1506.412 $\pm$ 301.344 χ^2 /NDF: 137.9/99

- sign 658.080 $\pm$ 426.649 χ^2 /NDF: 47.8/50

asym_sam4_rms vs Slug



Right In: 2870.104+/-0.653 χ^2/NDF : 3176958.6/23

Left Out: 2033.337+/-0.339 χ^2/NDF : 824062.2/24

Right Out: 2792.768+/-0.605 χ^2/NDF : 4429395.1/27

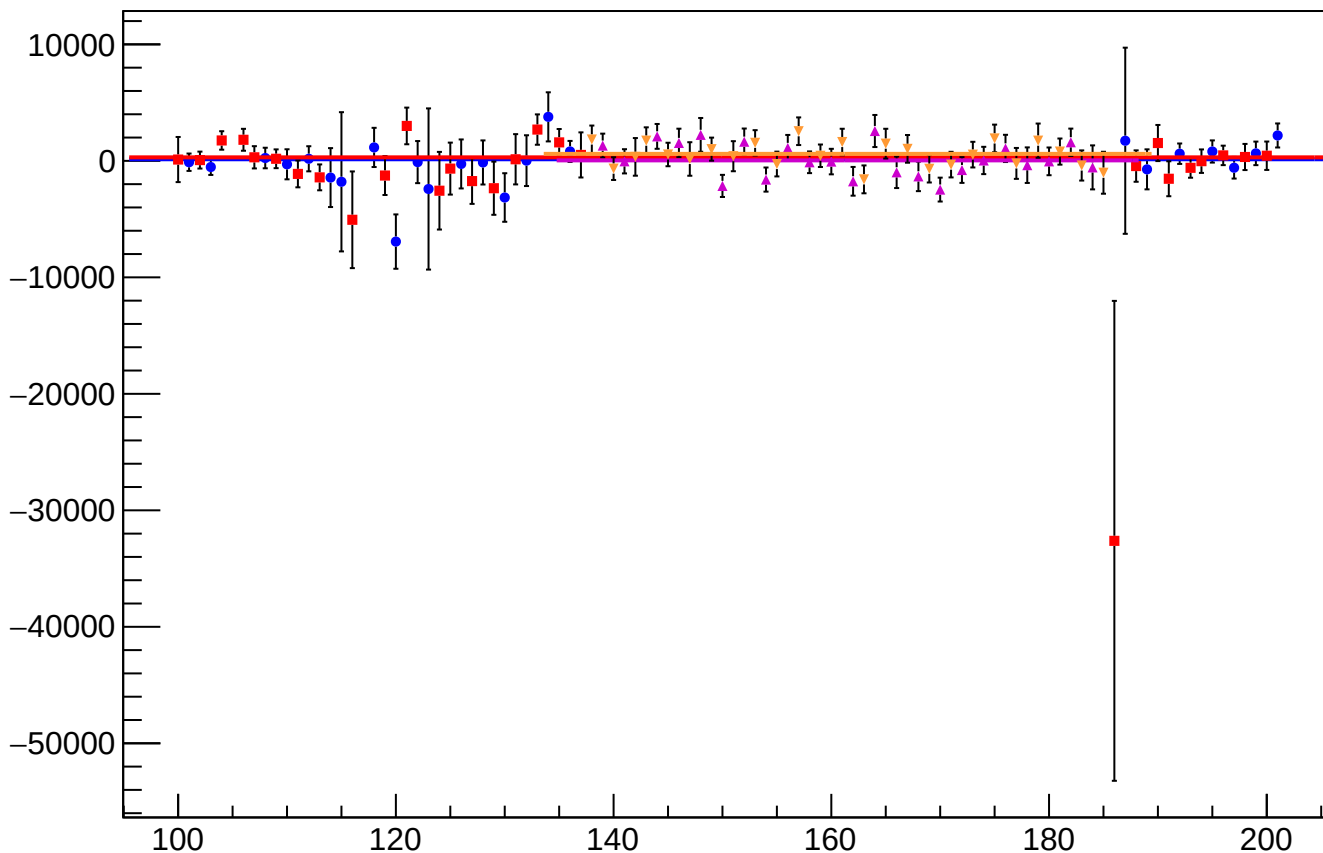
Left In: 2032.655+/-0.348 χ^2/NDF : 652763.7/22

+ sign 2211.380+/-0.301 χ^2/NDF : 5295481.8/48

All: 2216.360+/-0.213 χ^2/NDF : 11562930.4/9

- sign 2221.363+/-0.302 χ^2/NDF : 6266899.9/50

asym_sam5_mean vs Slug



Right In: 137.323+/-250.032 χ^2/NDF : 23.3/23

Left Out: 600.005+/-234.968 χ^2/NDF : 18.5/24

Right Out: 301.066+/-228.509 χ^2/NDF : 29.7/27

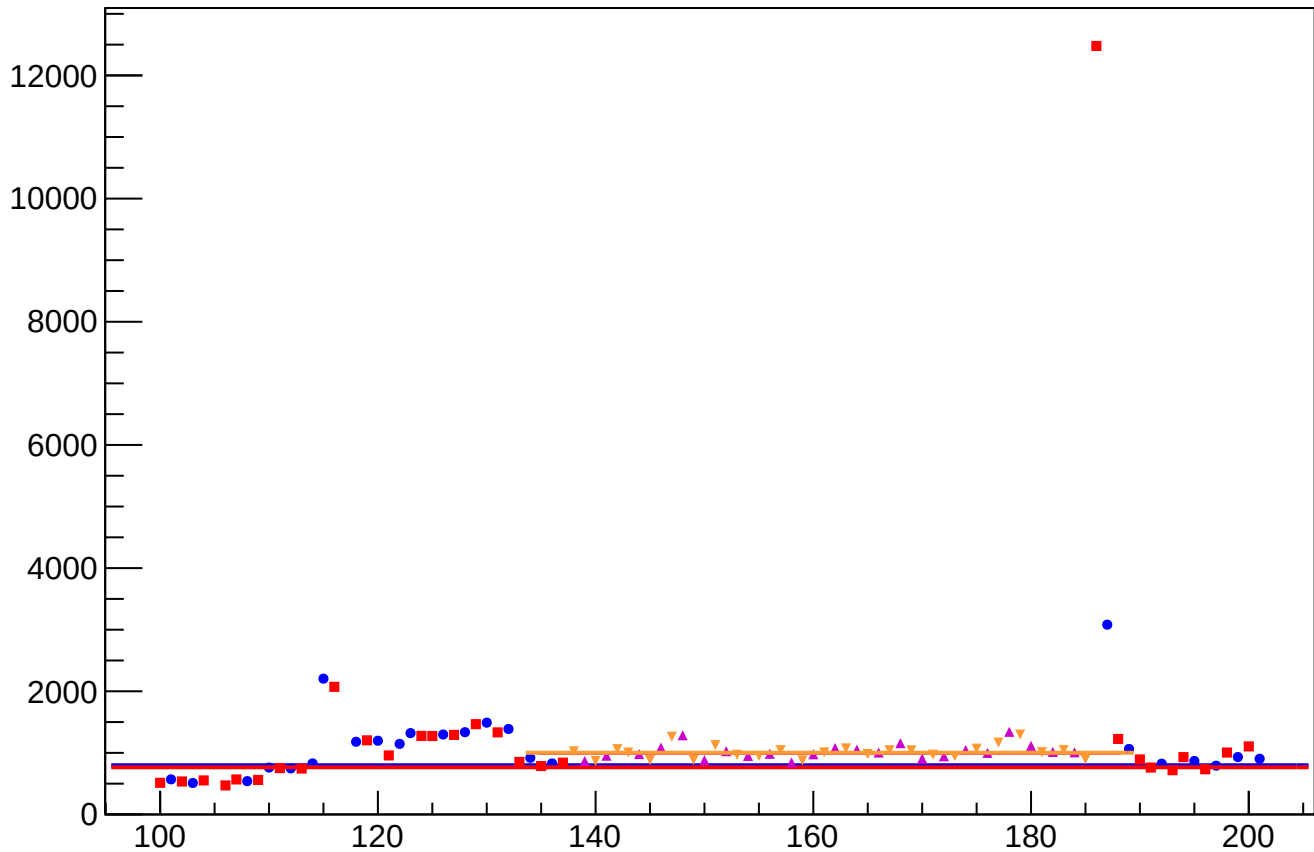
Left In: 41.559+/-240.807 χ^2/NDF : 36.4/22

+ sign 383.021+/-171.225 χ^2/NDF : 43.7/48

All: 277.241+/-119.094 χ^2/NDF : 111.1/99

- sign 178.108+/-165.758 χ^2/NDF : 66.7/50

asym_sam5_rms vs Slug



Right In: 799.022 $\pm$ 0.177 χ^2 /NDF: 2008603.5/23

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 766.119 $\pm$ 0.162 χ^2 /NDF: 2992405.0/27

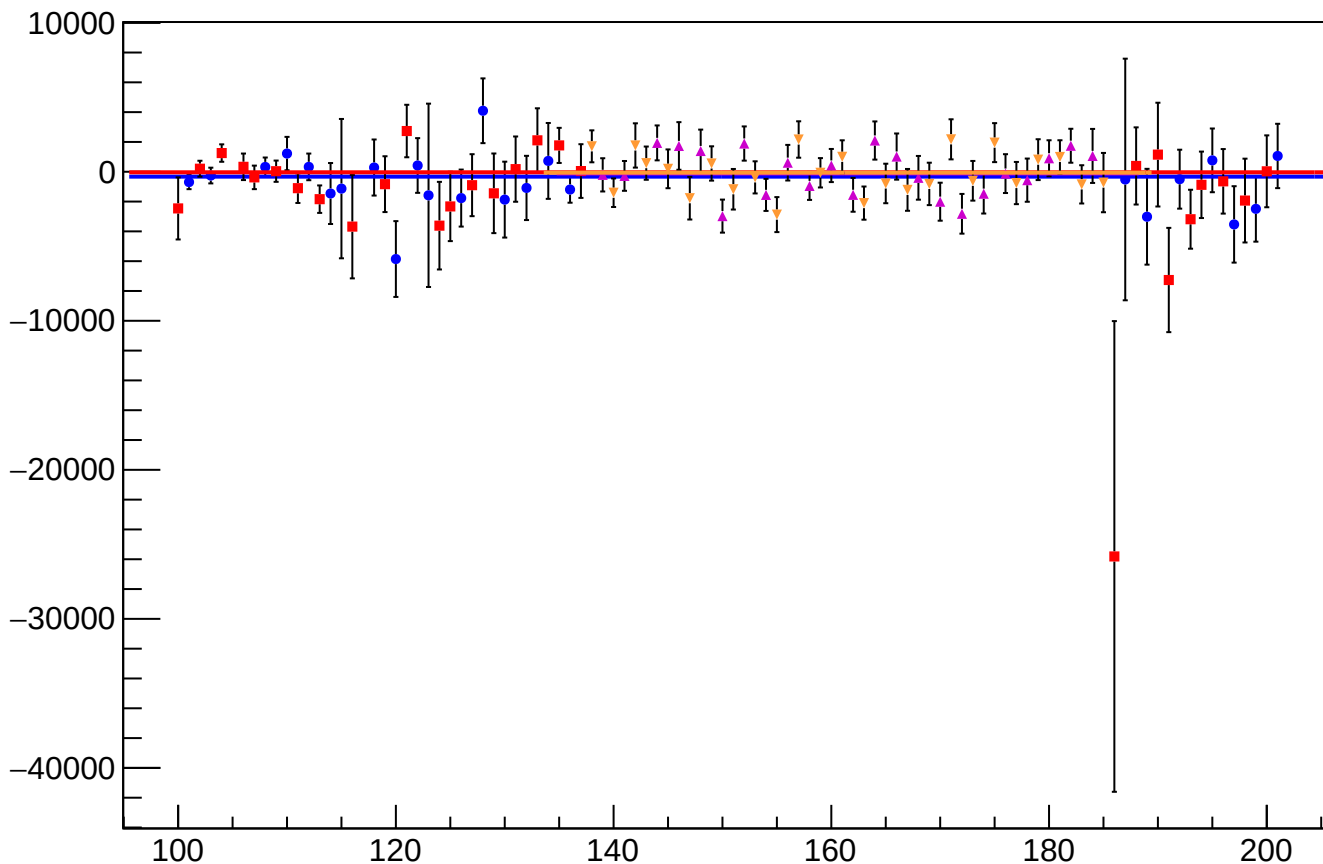
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 906.529 $\pm$ 0.121 χ^2 /NDF: 3075198.0/48

All: 890.775 $\pm$ 0.084 χ^2 /NDF: 7481280.7/99

- sign 876.011 $\pm$ 0.117 χ^2 /NDF: 4373285.5/50

asym_sam6_mean vs Slug



Right In: -327.442 ± 242.019 χ^2/NDF : 19.7/23

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -35.503 ± 237.141 χ^2/NDF : 32.1/27

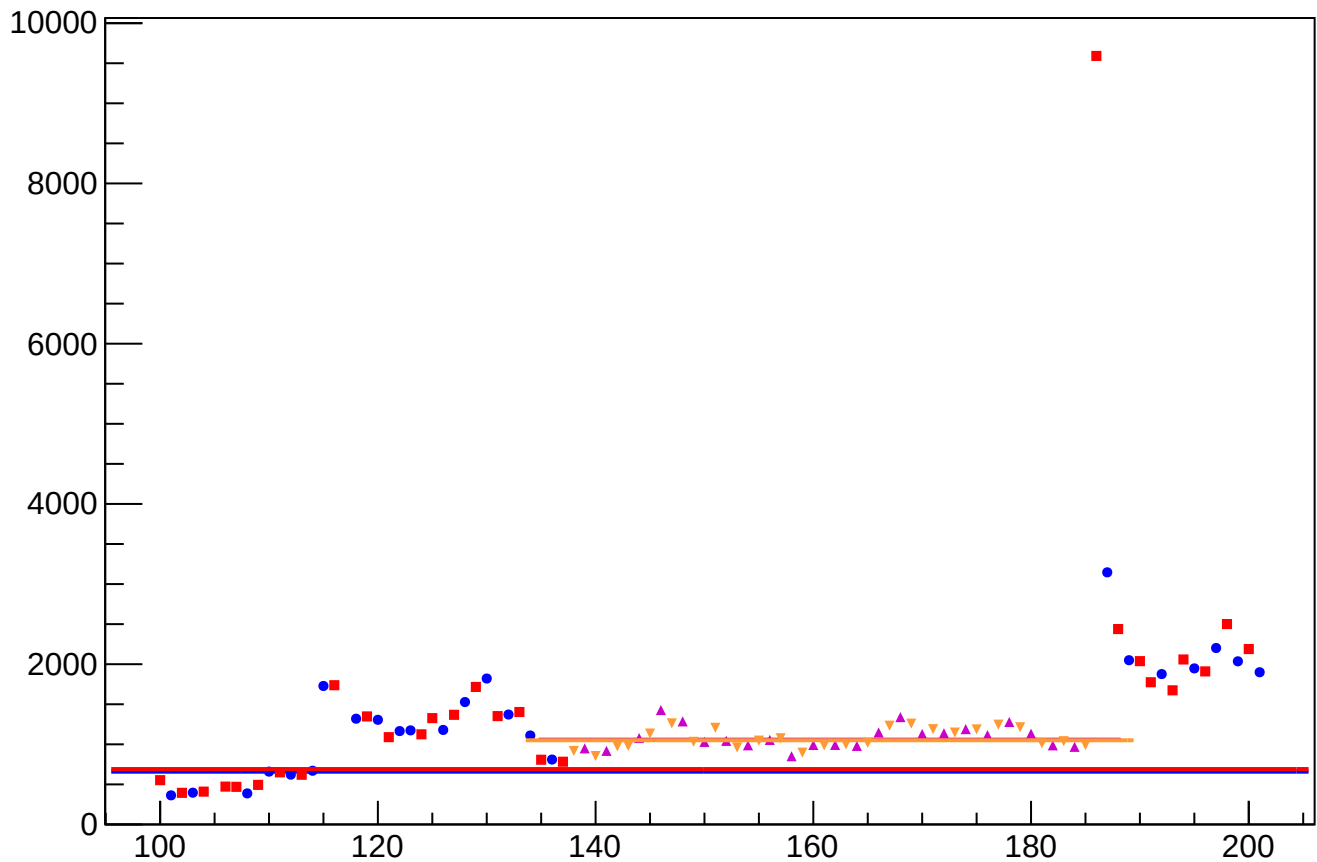
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -196.091 ± 172.697 χ^2/NDF : 51.3/48

All: -133.989 ± 122.498 χ^2/NDF : 118.6/99

- sign -71.103 ± 173.784 χ^2/NDF : 67.0/50

asym_sam6_rms vs Slug



Right In: 658.812+/-0.171 χ^2/NDF : 7731071.8/23

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 691.548+/-0.168 χ^2/NDF : 8708274.6/27

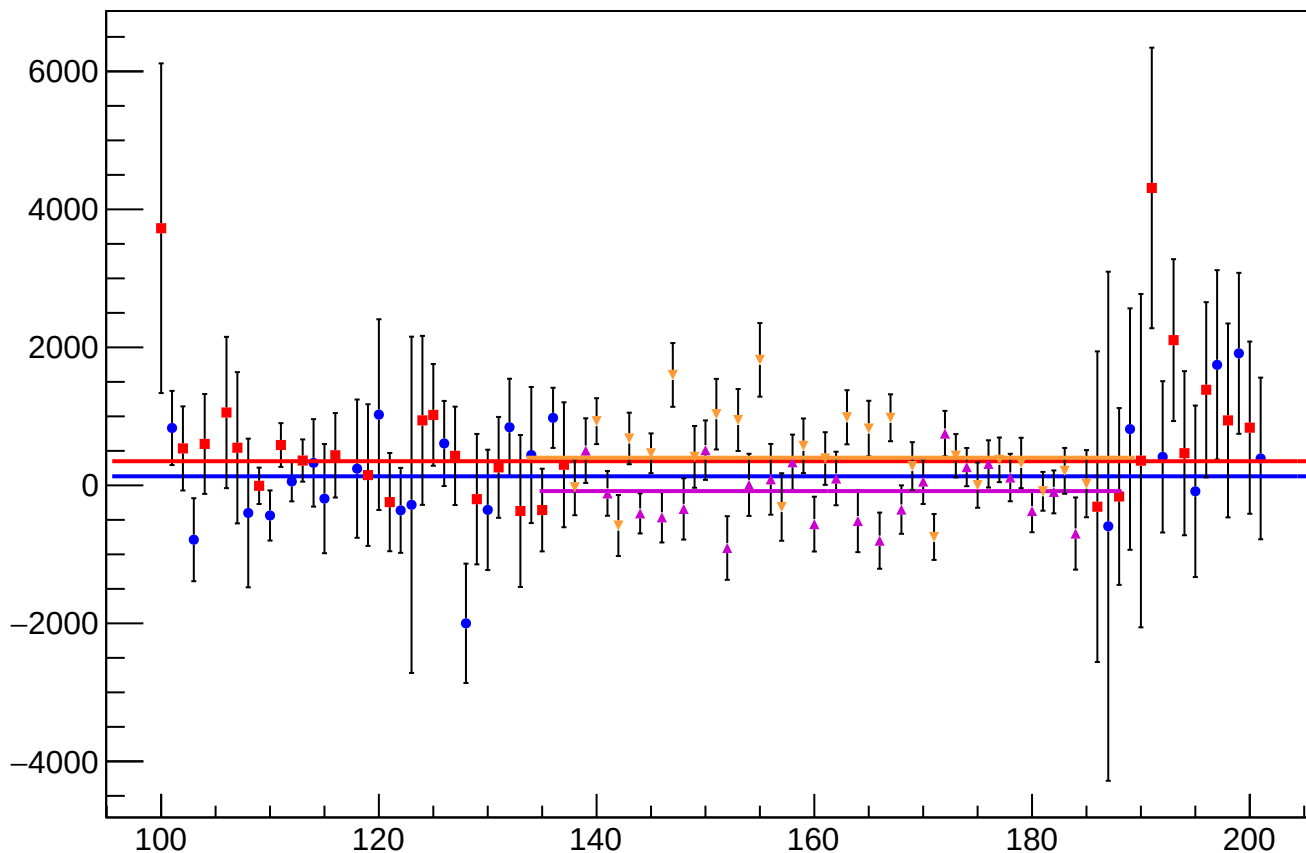
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 851.134+/-0.122 χ^2/NDF : 10787380.6/48

All: 856.158+/-0.087 χ^2/NDF : 22239845.8/99

- sign 861.246+/-0.123 χ^2/NDF : 11449057.9/50

asym_sam7_mean vs Slug



Right In: 131.202 ± 137.893 χ^2/NDF : 24.1/23

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 349.963 ± 125.231 χ^2/NDF : 16.3/27

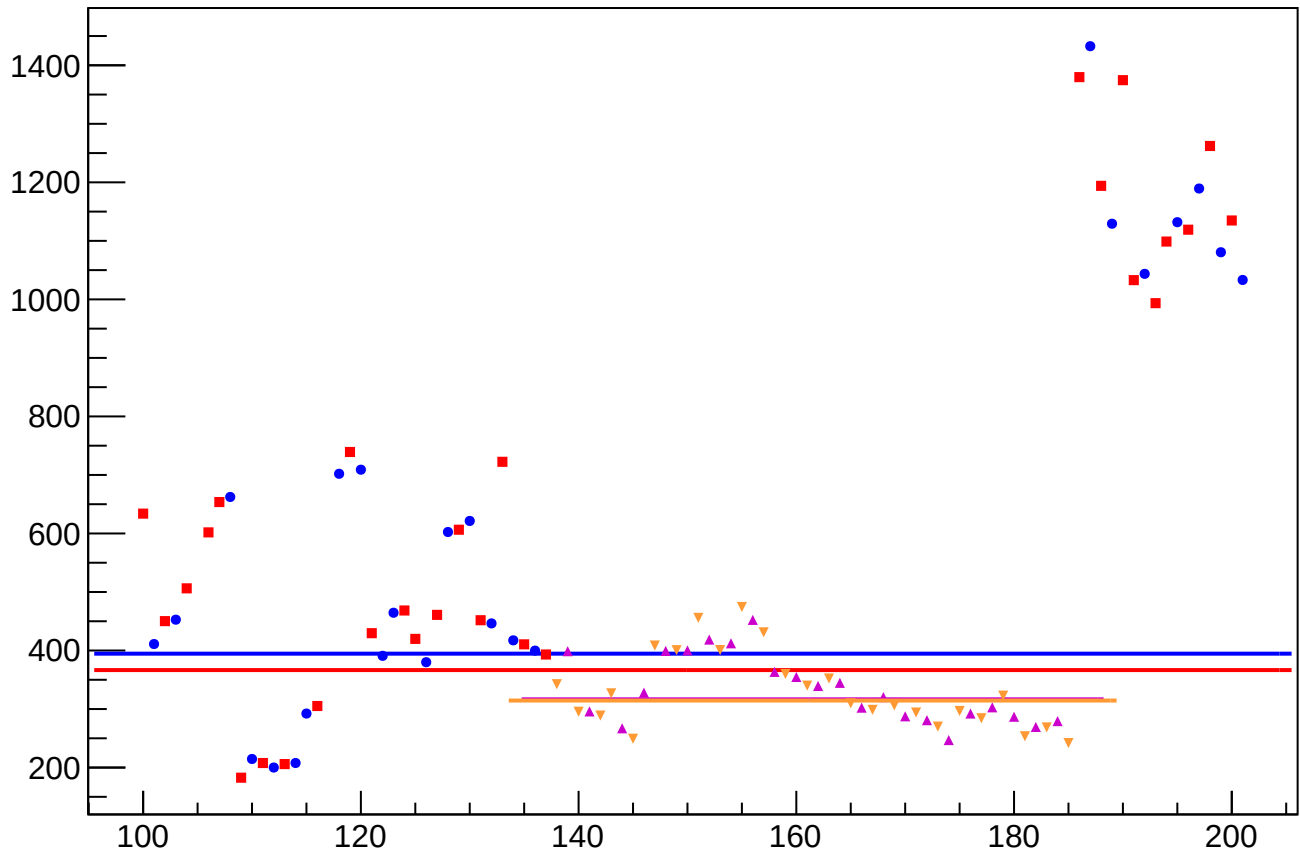
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 339.973 ± 65.577 χ^2/NDF : 79.1/48

All: 187.708 ± 46.355 χ^2/NDF : 143.9/99

- sign 35.645 ± 65.533 χ^2/NDF : 54.0/50

asym_sam7_rms vs Slug



Right In: 394.626+/-0.098 χ^2/NDF : 6183723.0/23

Left Out: 314.538+/-0.053 χ^2/NDF : 1112445.6/24

Right Out: 366.559+/-0.089 χ^2/NDF : 8533919.5/27

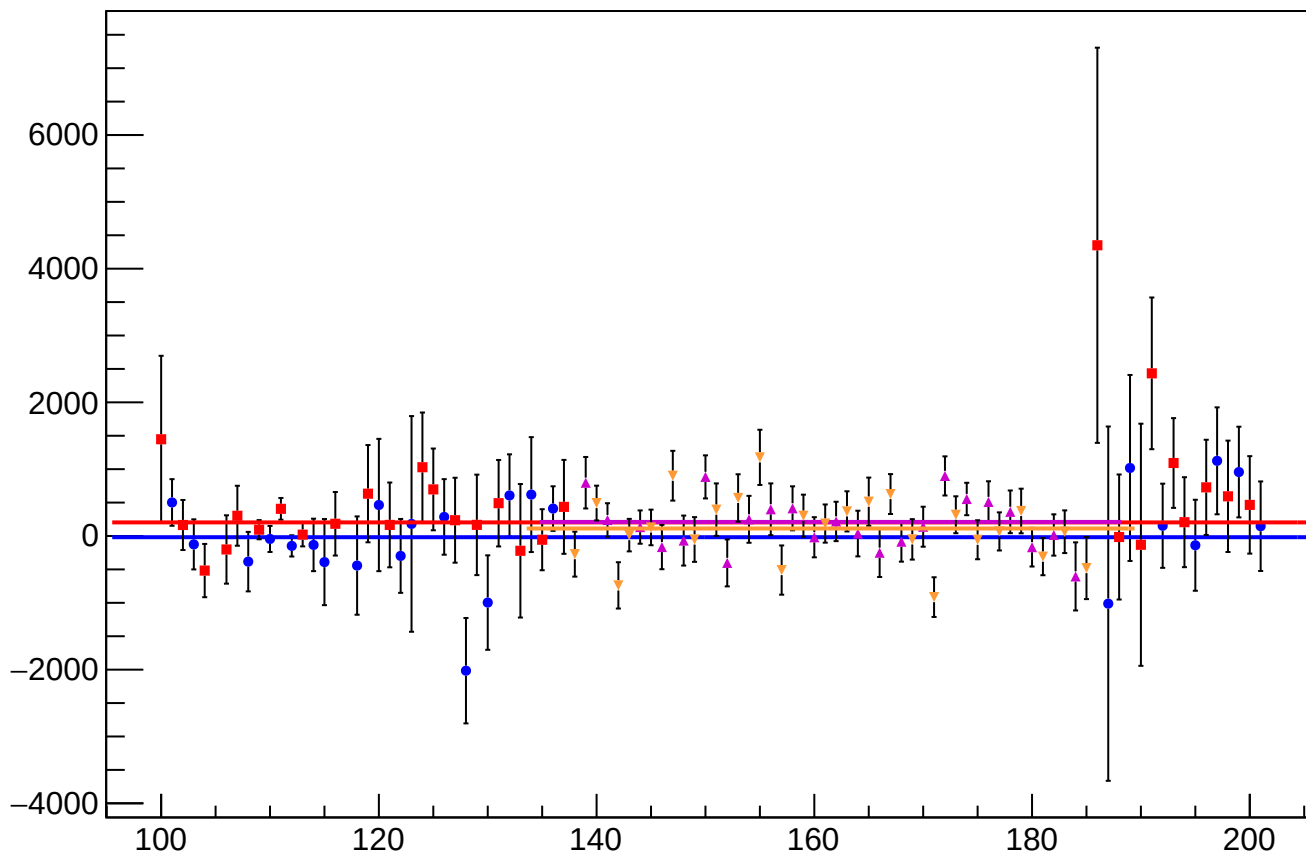
Left In: 316.647+/-0.054 χ^2/NDF : 920874.0/22

+ sign 332.651+/-0.046 χ^2/NDF : 7818231.0/48

All: 331.482+/-0.033 χ^2/NDF : 17504993.8/99

- sign 330.315+/-0.046 χ^2/NDF : 9685493.1/50

asym_sam8_mean vs Slug



Right In: -18.084 ± 86.752 χ^2/NDF : 21.7/23

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 203.401 ± 74.358 χ^2/NDF : 19.6/27

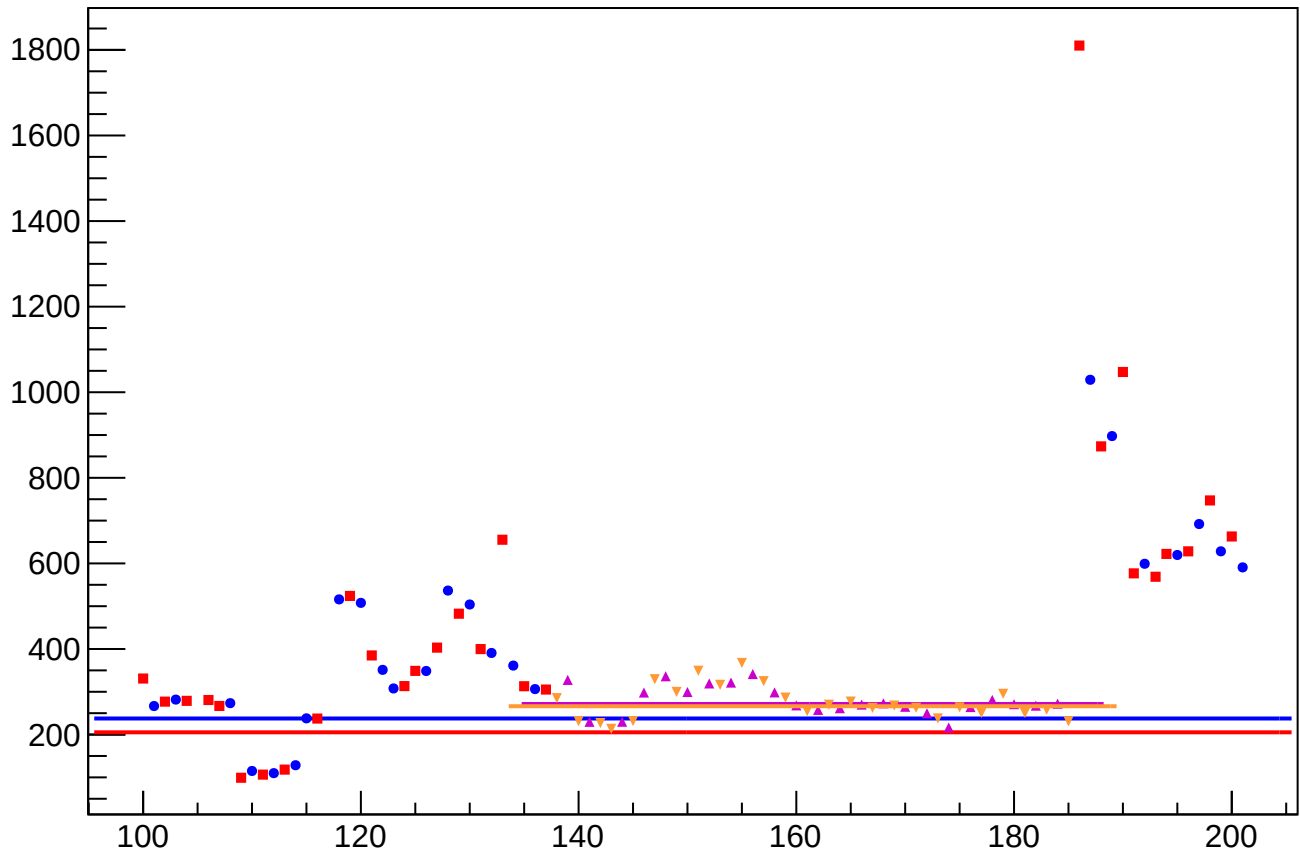
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 67.576 ± 50.787 χ^2/NDF : 72.4/48

All: 139.756 ± 35.321 χ^2/NDF : 125.0/99

- sign 207.371 ± 49.155 χ^2/NDF : 48.7/50

asym_sam8_rms vs Slug



Right In: 237.585+/-0.061 χ^2/NDF : 7501559.4/23

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 205.272+/-0.053 χ^2/NDF : 10415238.8/27

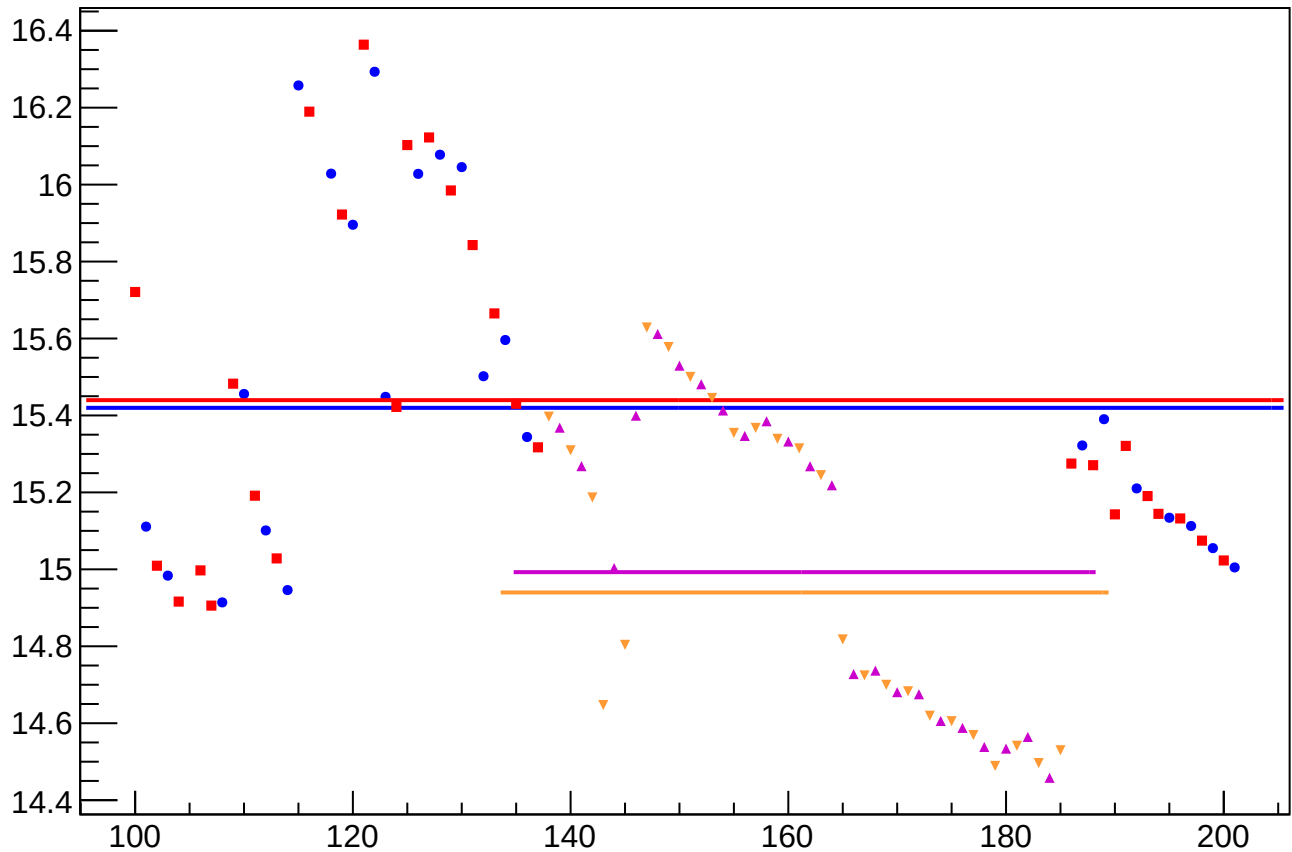
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 256.398+/-0.036 χ^2/NDF : 8294285.6/48

All: 249.228+/-0.025 χ^2/NDF : 20199543.0/99

- sign 242.511+/-0.035 χ^2/NDF : 11828052.1/50

yield_sam1_mean vs Slug



Right In: 15.420 $\pm$ 0.000 χ^2 /NDF: 9629316597.0/23

Left Out: 14.940 $\pm$ 0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.440 $\pm$ 0.000 χ^2 /NDF: 9519988903.9/27

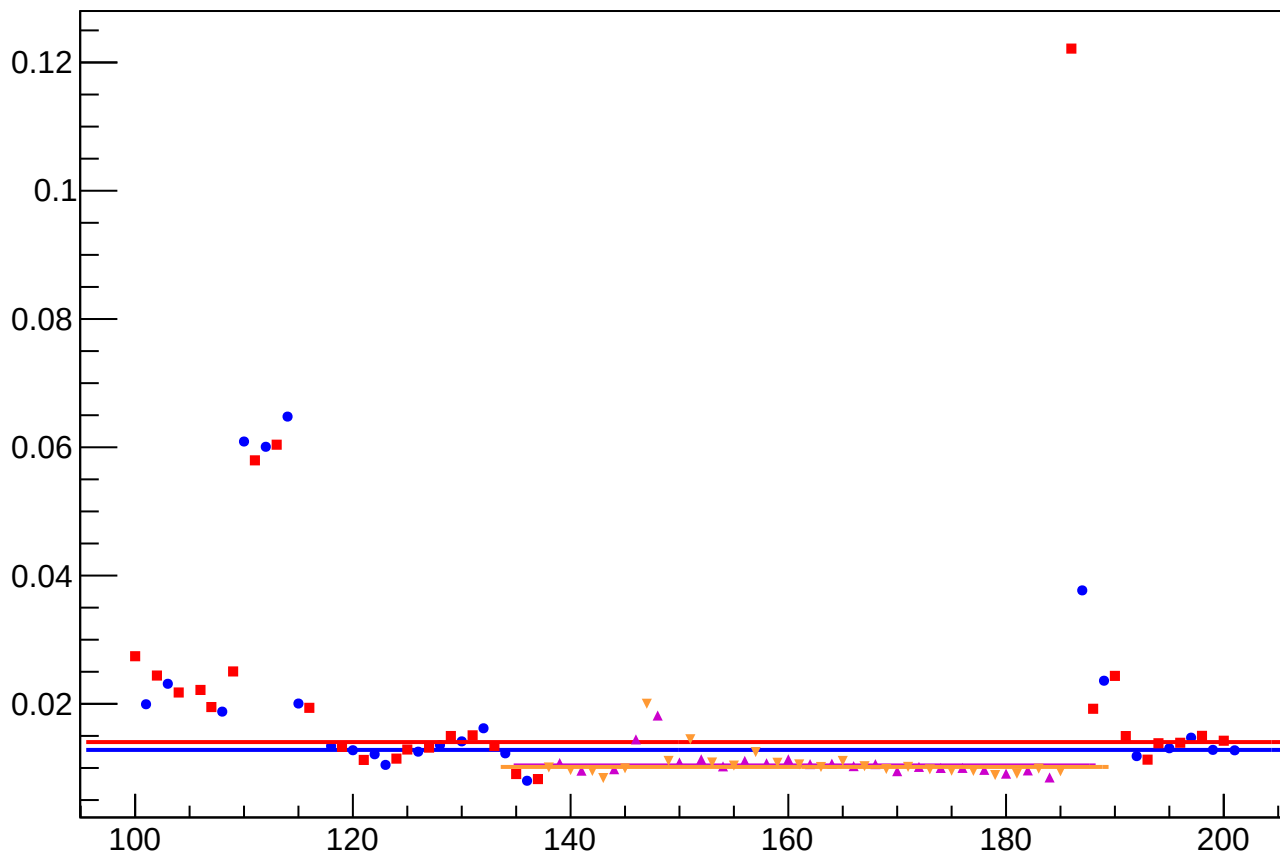
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 15.064 $\pm$ 0.000 χ^2 /NDF: 43770641460.4/48

All: 15.086 $\pm$ 0.000 χ^2 /NDF: 83539334964.4

- sign 15.110 $\pm$ 0.000 χ^2 /NDF: 39536368444.5/50

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 2483954.7/23

Left Out: 0.010+/-0.000 χ^2/NDF : 717351.4/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2981135.2/27

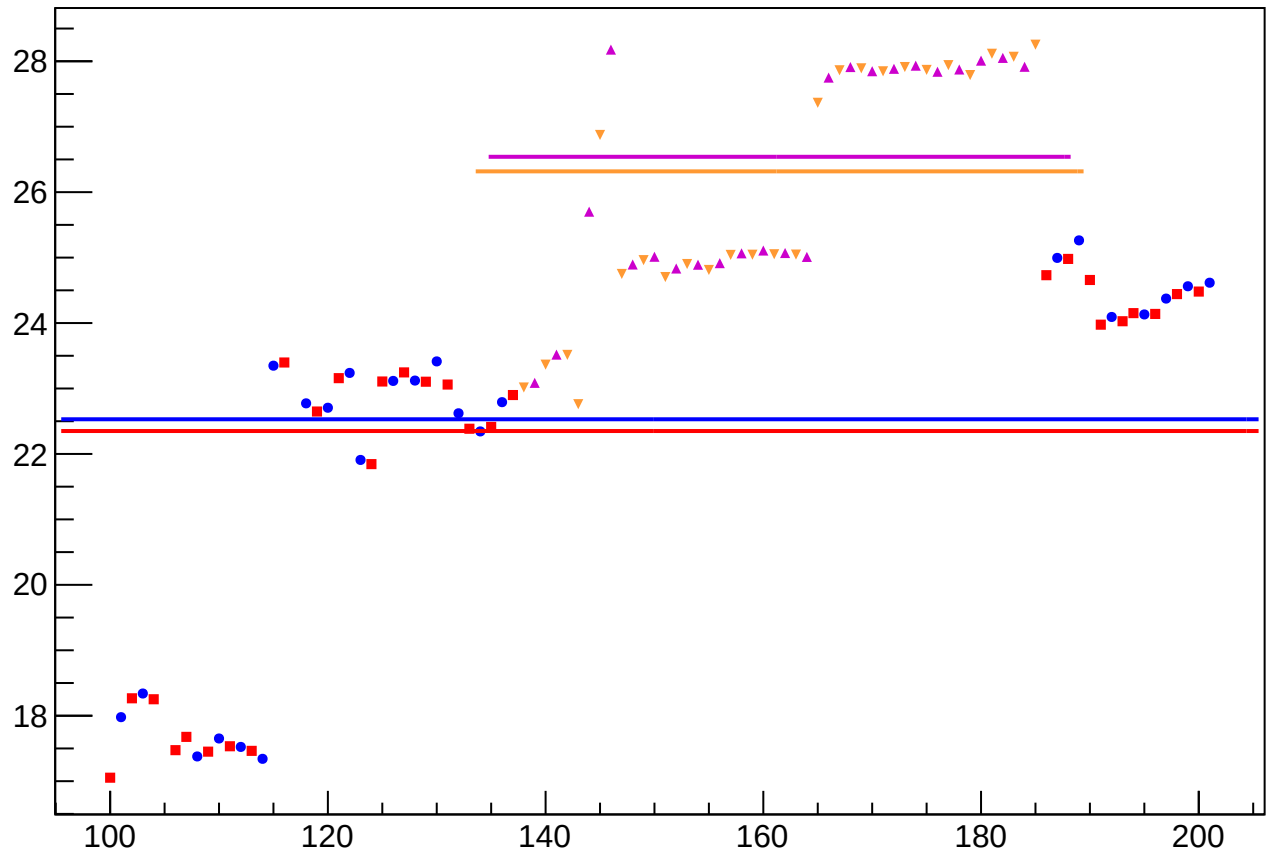
Left In: 0.010+/-0.000 χ^2/NDF : 544268.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 3808933.2/48

All: 0.011+/-0.000 χ^2/NDF : 8450554.3/99

- sign 0.011+/-0.000 χ^2/NDF : 4586329.4/50

yield_sam2_mean vs Slug



Right In: 22.530+/-0.000 χ^2/NDF : 1103752754.0/23

Left Out: 26.318+/-0.000 χ^2/NDF : 4715403741.0/24

Right Out: 22.350+/-0.000 χ^2/NDF : 1312979156.0/27

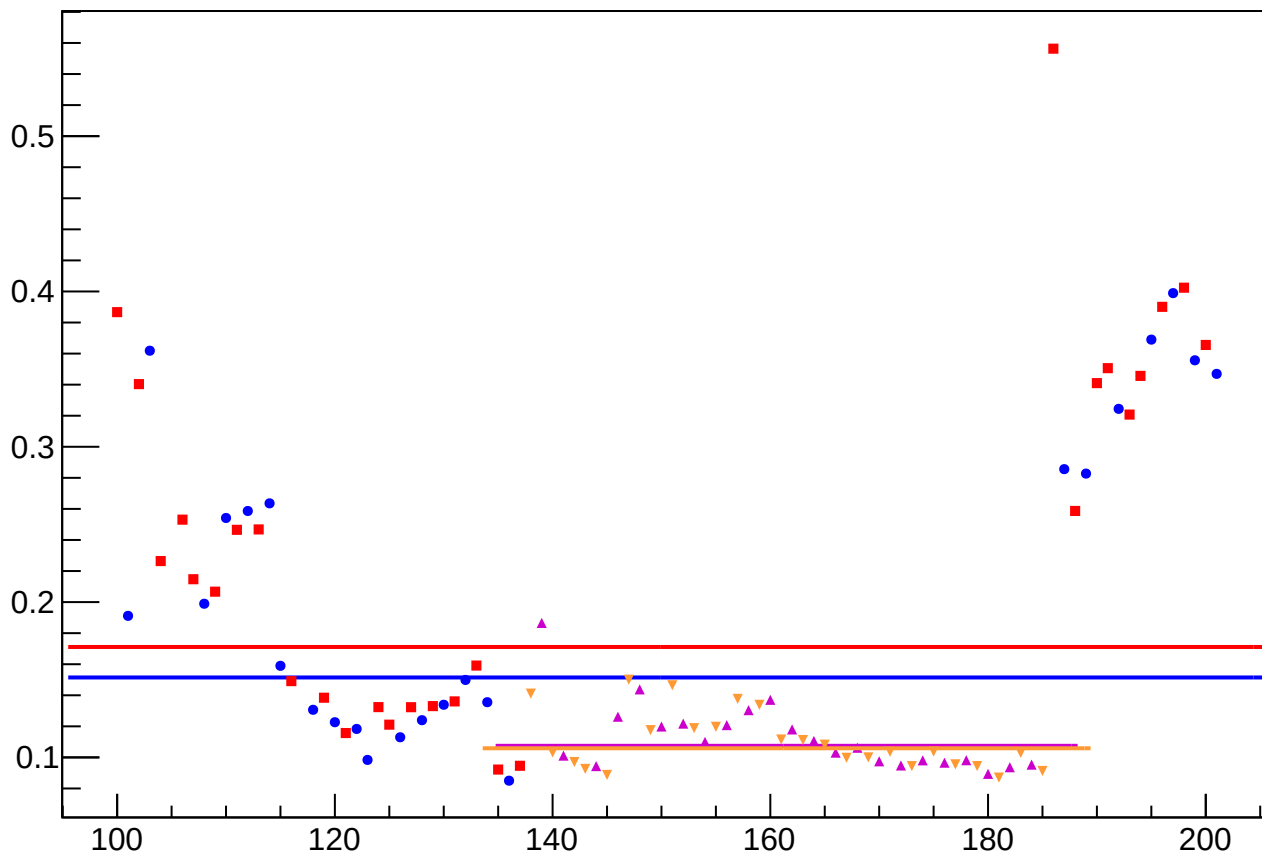
Left In: 26.540+/-0.000 χ^2/NDF : 3309392772.6/22

+ sign 25.566+/-0.000 χ^2/NDF : 9837057531.1/48

All: 25.631+/-0.000 χ^2/NDF : 19021356311.9

- sign 25.703+/-0.000 χ^2/NDF : 9168407986.6/50

yield_sam2_rms vs Slug



Right In: 0.151+/-0.000 χ^2/NDF : 4769648.4/23

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.171+/-0.000 χ^2/NDF : 4999073.4/27

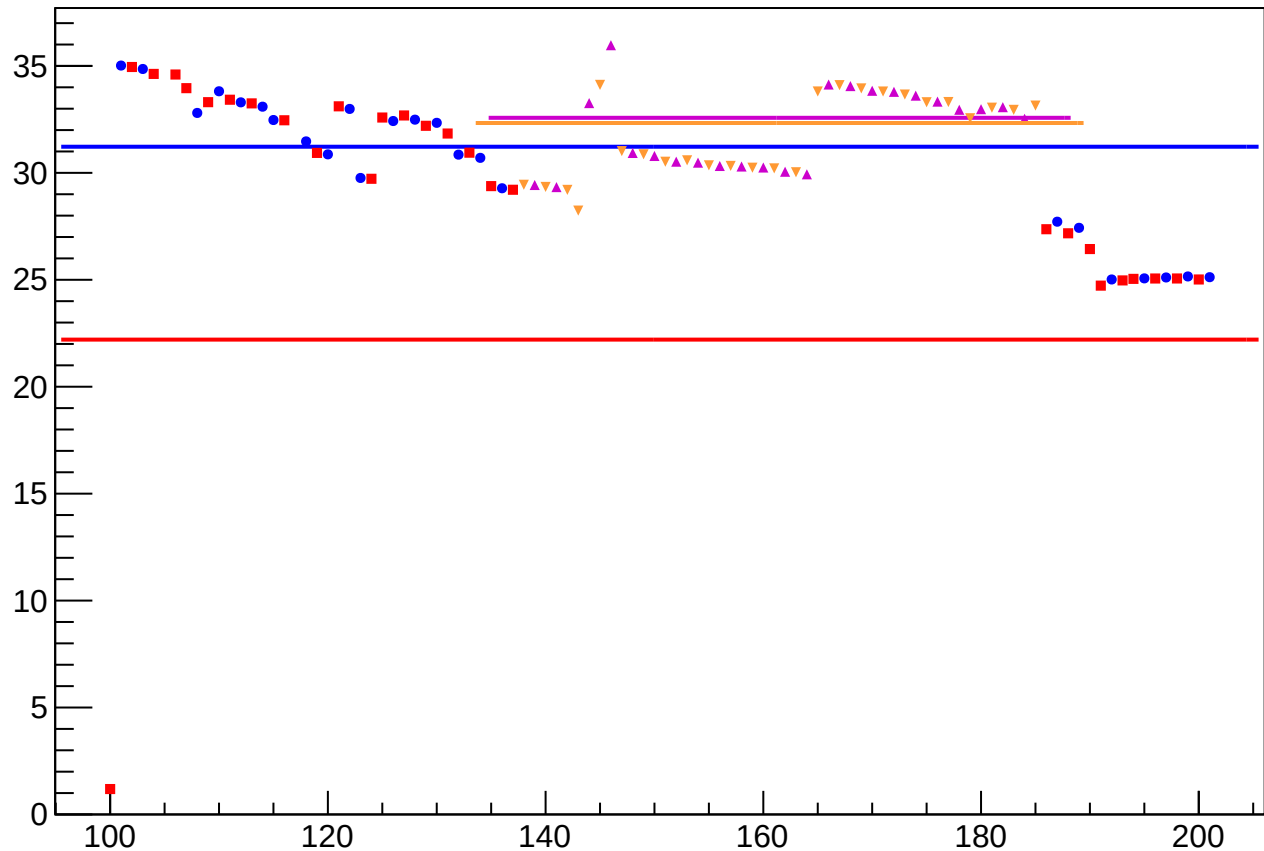
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.115+/-0.000 χ^2/NDF : 6666441.0/48

All: 0.117+/-0.000 χ^2/NDF : 14580172.1/99

- sign 0.120+/-0.000 χ^2/NDF : 7867182.9/50

yield_sam3_mean vs Slug



Right In: 31.222+/-0.000 χ^2 /NDF: 4838261229.8/23

Left Out: 32.331+/-0.000 χ^2 /NDF: 12850475096.2/24

Right Out: 22.203+/-0.000 χ^2 /NDF: 230855155410.8/27

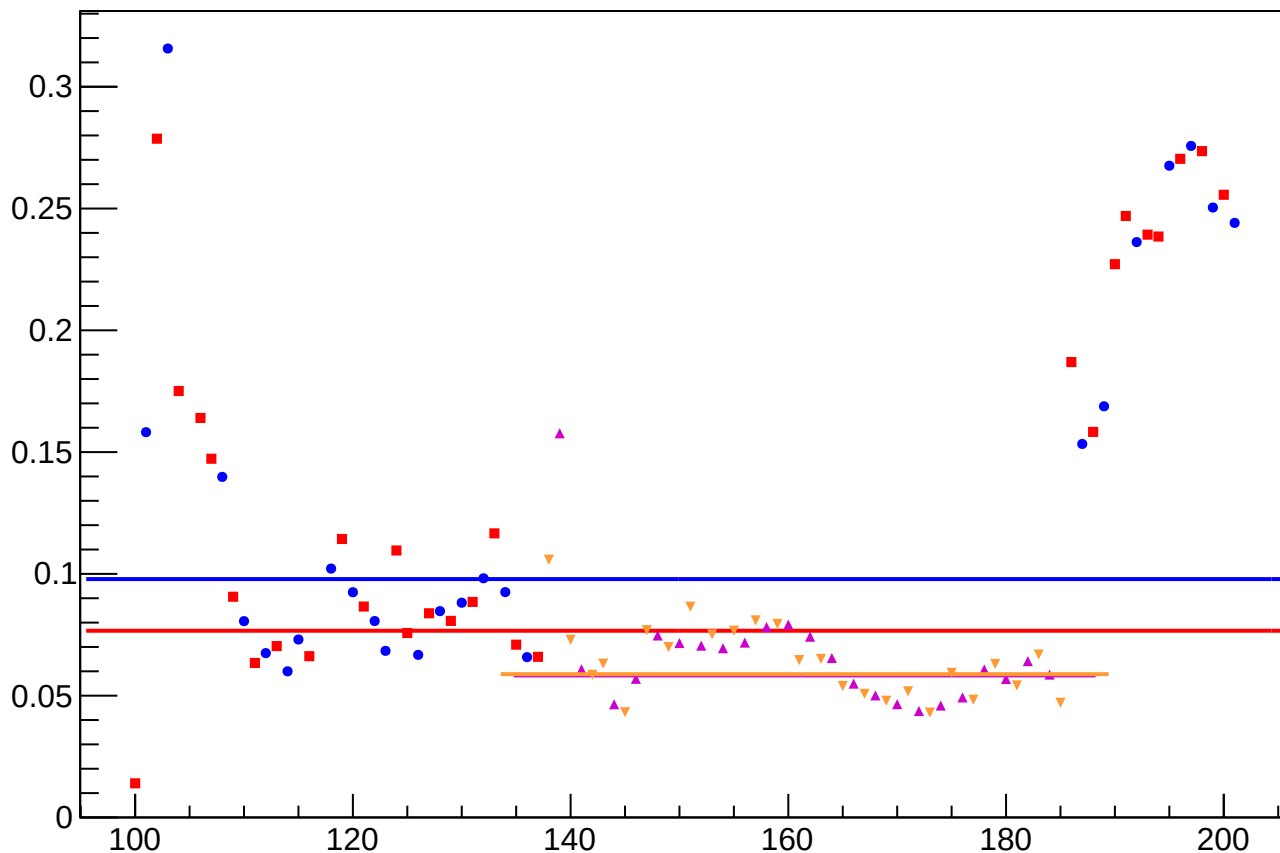
Left In: 32.574+/-0.000 χ^2 /NDF: 11797772603.7/22

+ sign 32.150+/-0.000 χ^2 /NDF: 18513045143.0/48

All: 31.146+/-0.000 χ^2 /NDF: 368112831188.

- sign 30.181+/-0.000 χ^2 /NDF: 339923753562.3/50

yield_sam3_rms vs Slug



Right In: 0.098 $\pm$ 0.000 χ^2 /NDF: 4737873.4/23

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 9174464.4/27

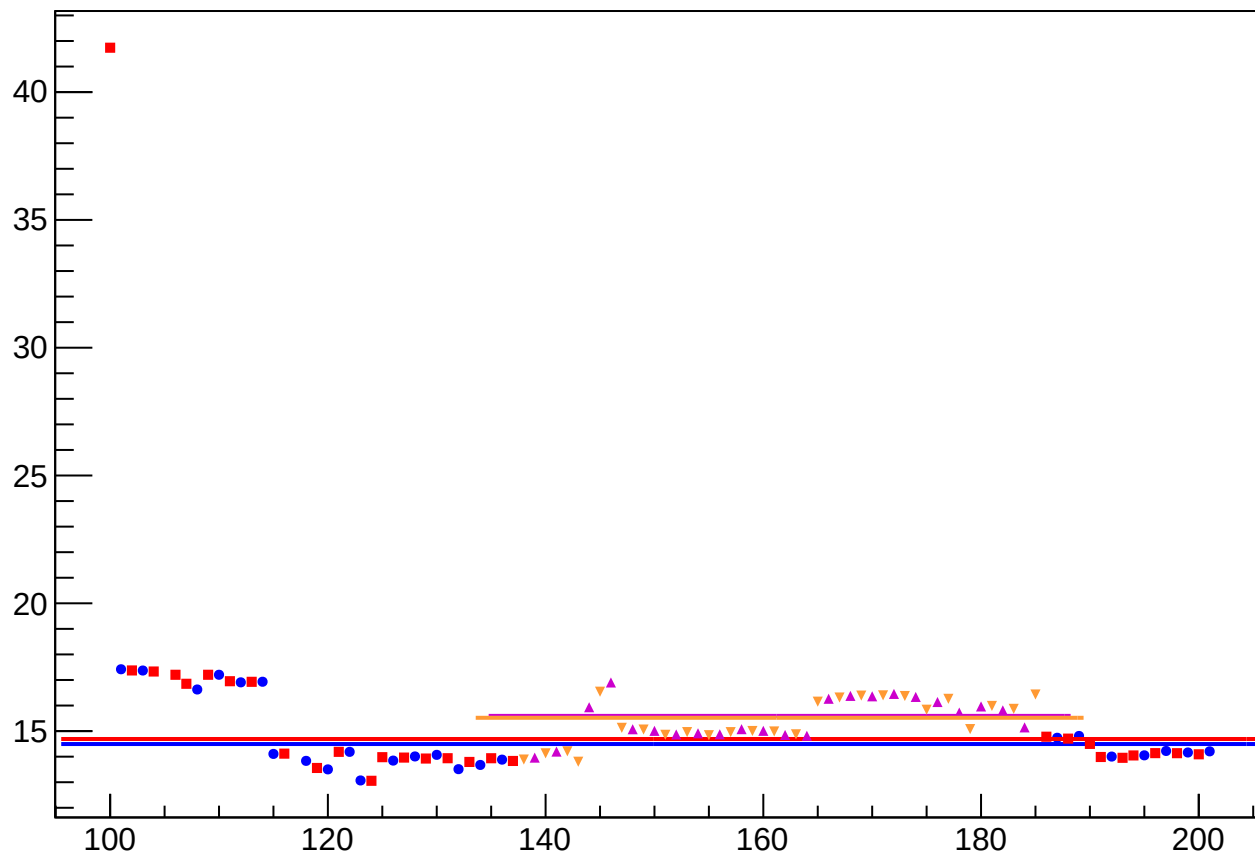
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.065 $\pm$ 0.000 χ^2 /NDF: 8182035.9/48

All: 0.064 $\pm$ 0.000 χ^2 /NDF: 19526302.4/99

- sign 0.063 $\pm$ 0.000 χ^2 /NDF: 11308802.3/50

yield_sam4_mean vs Slug



Right In: 14.494+/-0.000 χ^2/NDF : 1499994865.5/23

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.691+/-0.000 χ^2/NDF : 1942620198.7/27

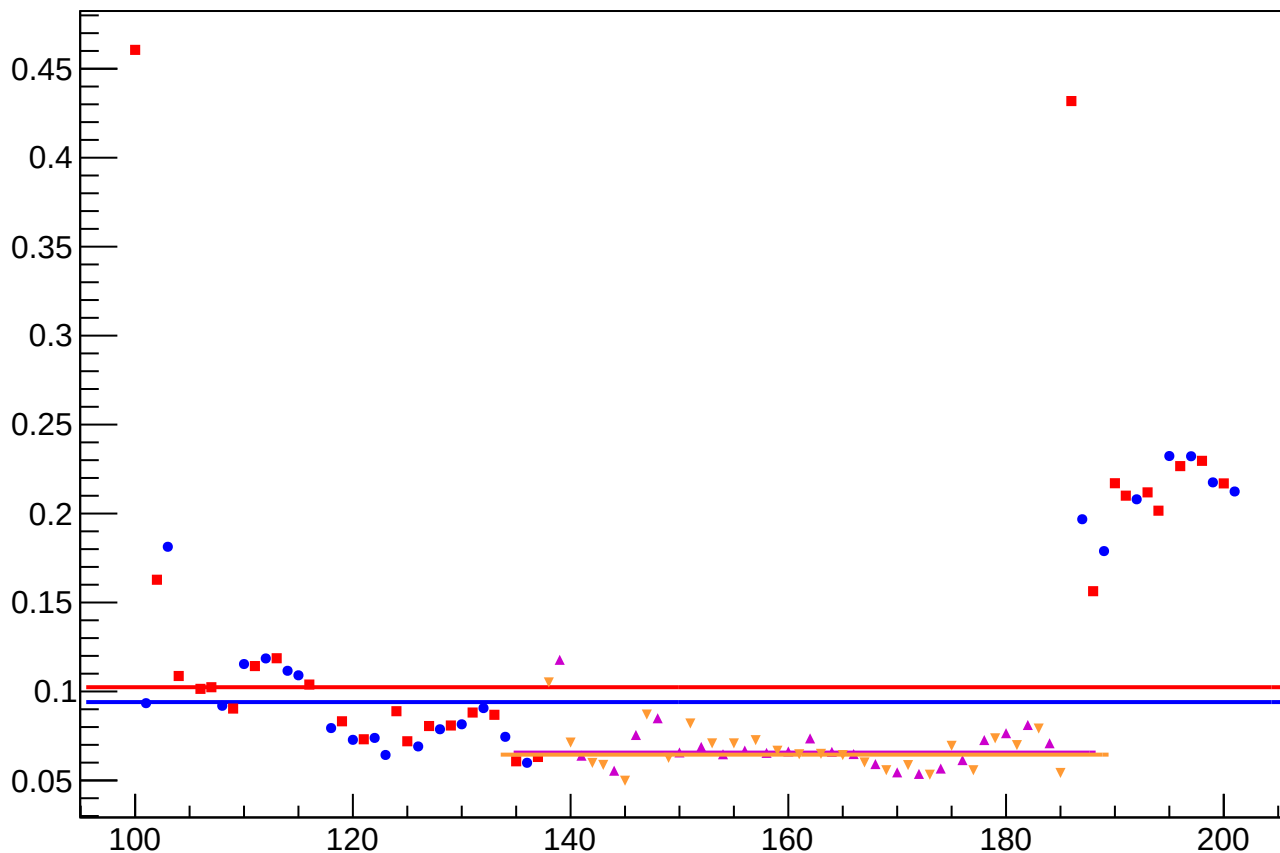
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.312+/-0.000 χ^2/NDF : 4896774109.0/48

All: 15.355+/-0.000 χ^2/NDF : 9366865324.7/93

- sign 15.402+/-0.000 χ^2/NDF : 4451619090.5/50

yield_sam4_rms vs Slug



Right In: 0.094 $\pm$ 0.000 χ^2 /NDF: 4009011.9/23

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.102 $\pm$ 0.000 χ^2 /NDF: 4322032.9/27

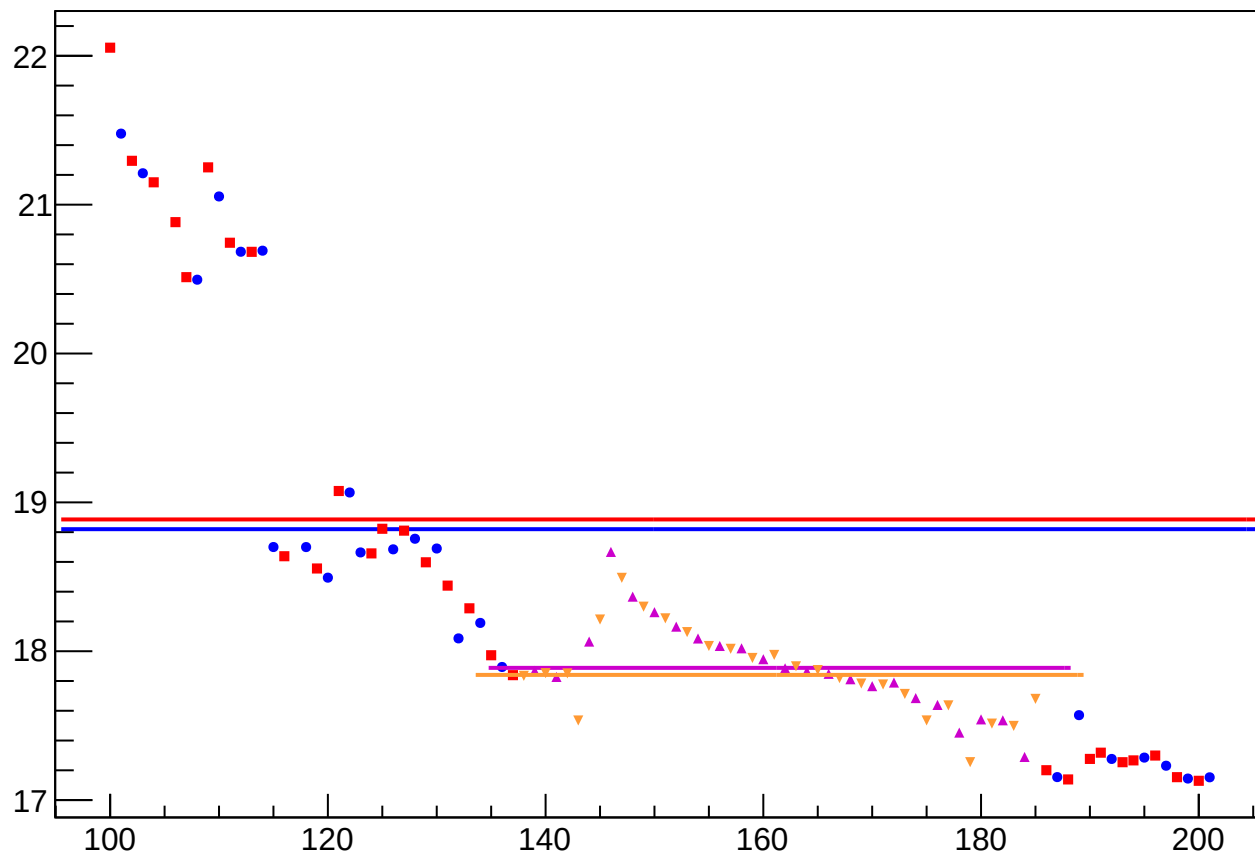
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 6103074.4/48

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 13163987.5/99

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 7020469.5/50

yield_sam5_mean vs Slug



Right In: 18.820+/-0.000 χ^2/NDF : 25137460260.4/23

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 18.885+/-0.000 χ^2/NDF : 27795281441.2/27

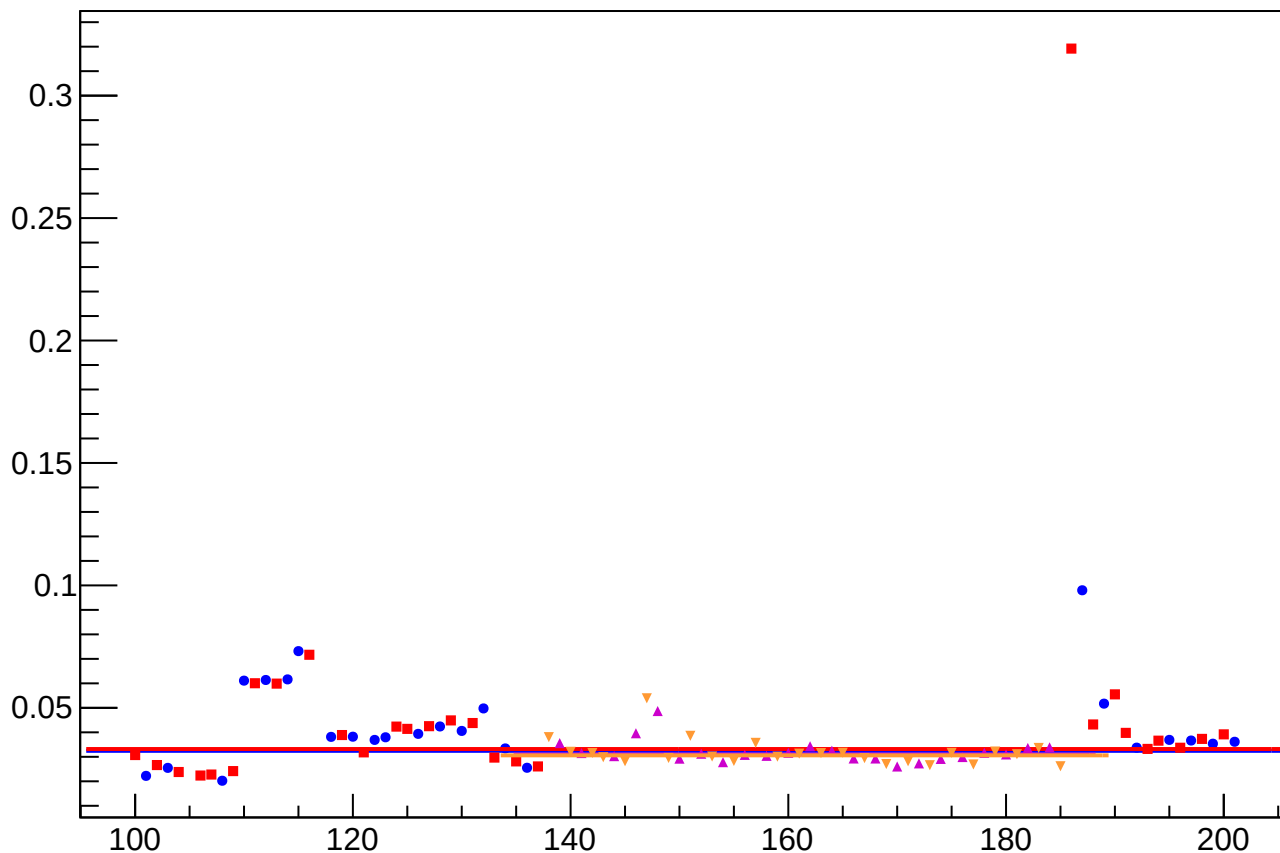
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.169+/-0.000 χ^2/NDF : 32409424851.2/48

All: 18.211+/-0.000 χ^2/NDF : 67828825685.6

- sign 18.253+/-0.000 χ^2/NDF : 35321055435.8/50

yield_sam5_rms vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 1690004.8/23

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 2121843.2/27

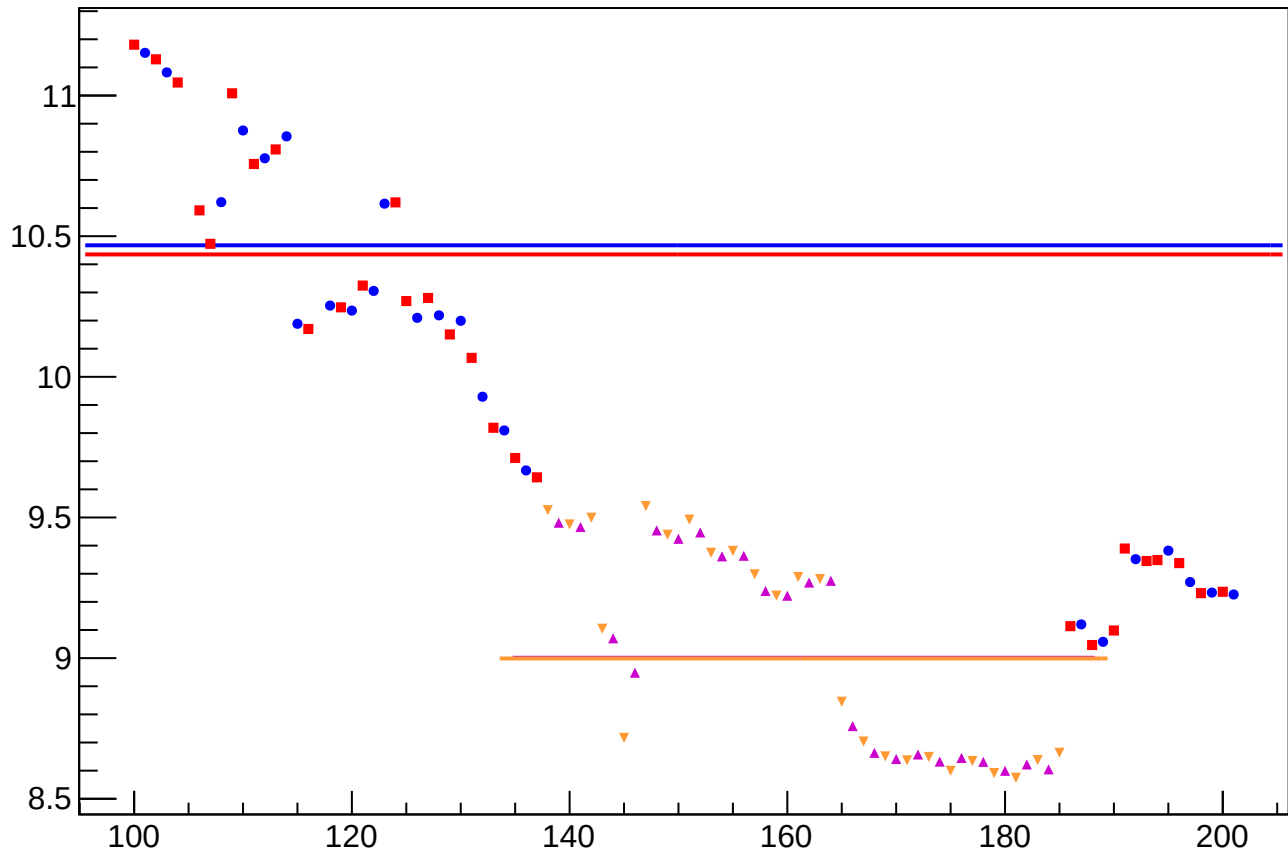
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2323107.7/48

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 4971797.4/99

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2641485.3/50

yield_sam6_mean vs Slug



Right In: 10.468 $\pm$ 0.000 χ^2 /NDF: 11409612730.6/23

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

+ sign 9.554 $\pm$ 0.000 χ^2 /NDF: 56095528714.5/48

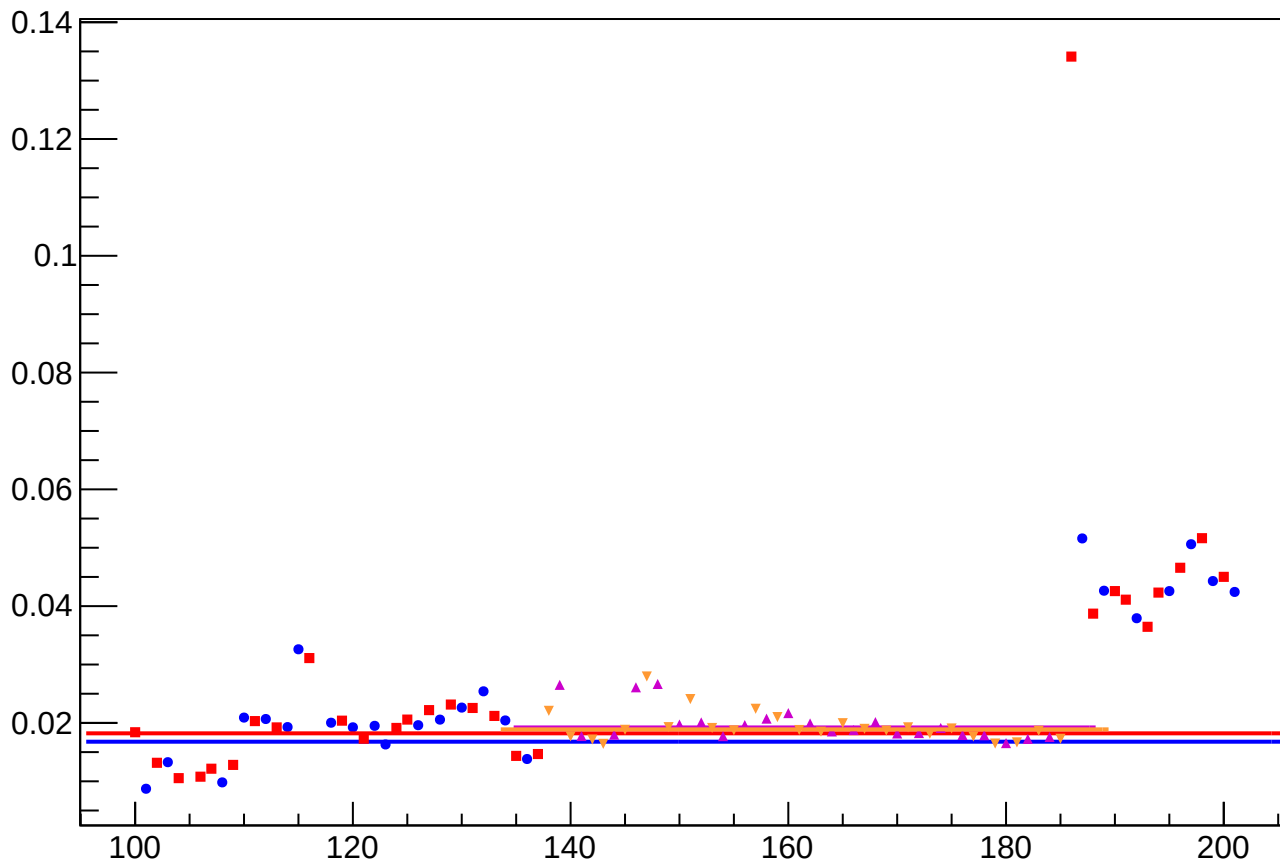
Right Out: 10.435 $\pm$ 0.000 χ^2 /NDF: 10621320025.2/27

All: 9.562 $\pm$ 0.000 χ^2 /NDF: 107027281914.2

- sign 9.571 $\pm$ 0.000 χ^2 /NDF: 50920489133.2/50

Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

yield_sam6_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 5179870.6/23

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.018+/-0.000 χ^2/NDF : 5556119.3/27

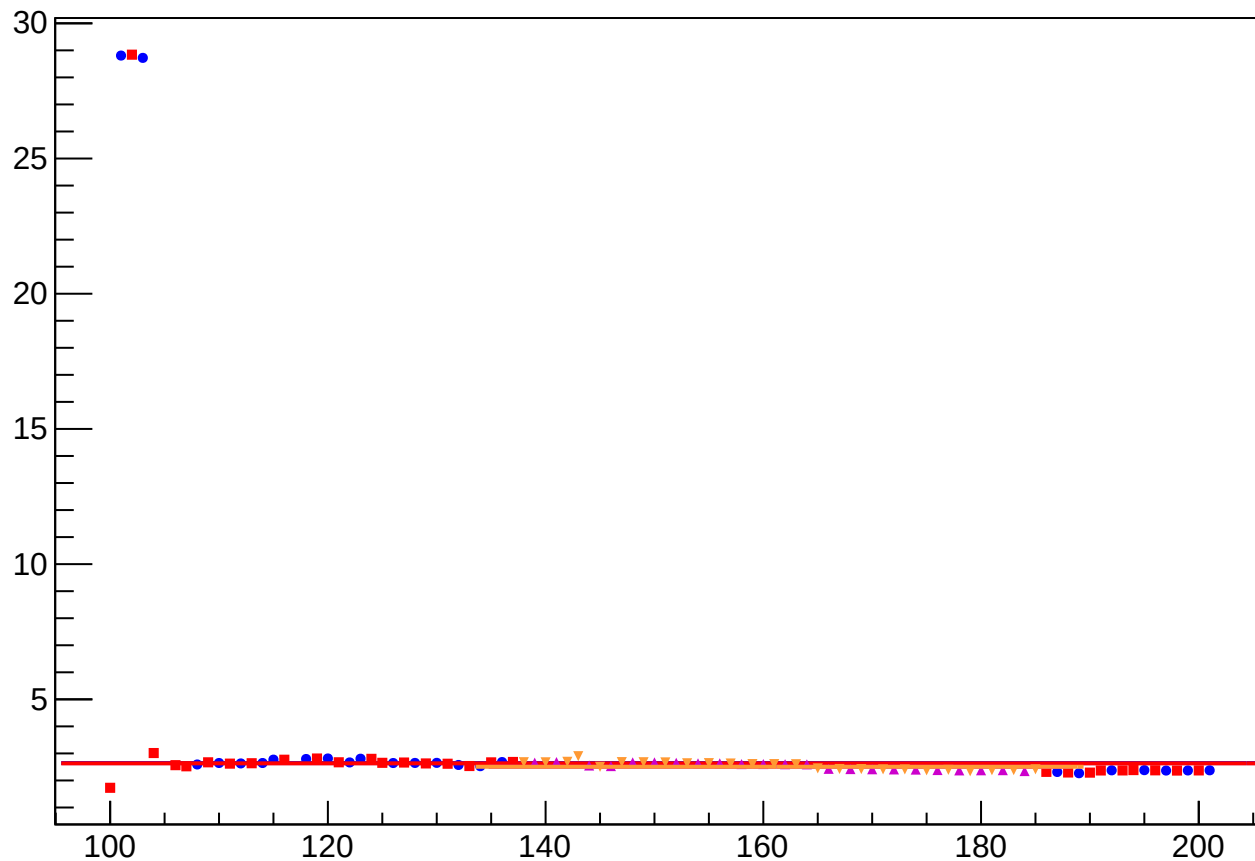
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.018+/-0.000 χ^2/NDF : 5766854.7/48

All: 0.018+/-0.000 χ^2/NDF : 11877960.8/99

- sign 0.019+/-0.000 χ^2/NDF : 6072537.9/50

yield_sam7_mean vs Slug



Right In: 2.643 $\pm$ 0.000 χ^2/NDF : 171944872052.9/23

Left Out: 2.507 $\pm$ 0.000 χ^2/NDF : 64277969186.7/24

Right Out: 2.633 $\pm$ 0.000 χ^2/NDF : 82971380263.0/27

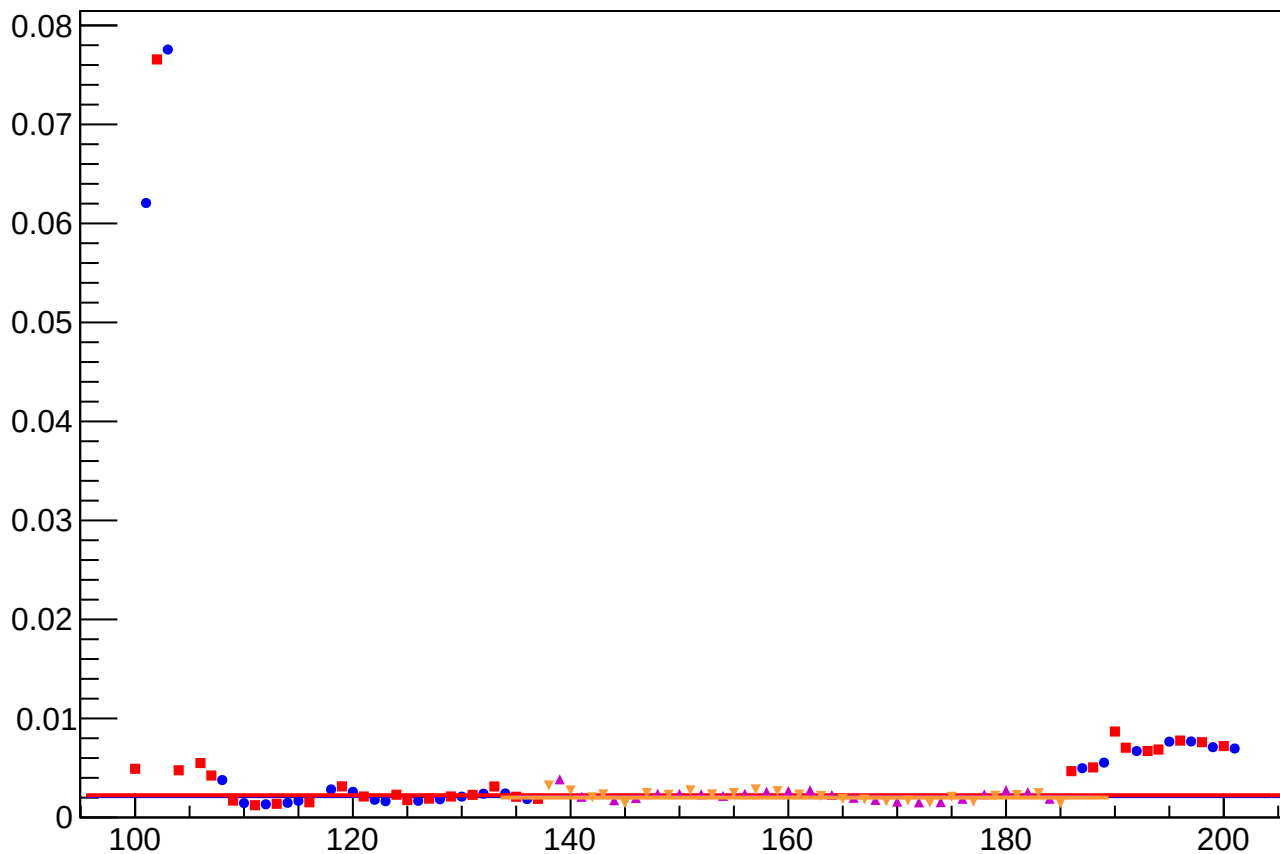
Left In: 2.505 $\pm$ 0.000 χ^2/NDF : 42893630742.5/22

+ sign 2.545 $\pm$ 0.000 χ^2/NDF : 255471033869.5/48

All: 2.546 $\pm$ 0.000 χ^2/NDF : 398539489269.8

- sign 2.546 $\pm$ 0.000 χ^2/NDF : 143066859666.3/50

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 7322102.6/23

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 7816600.7/27

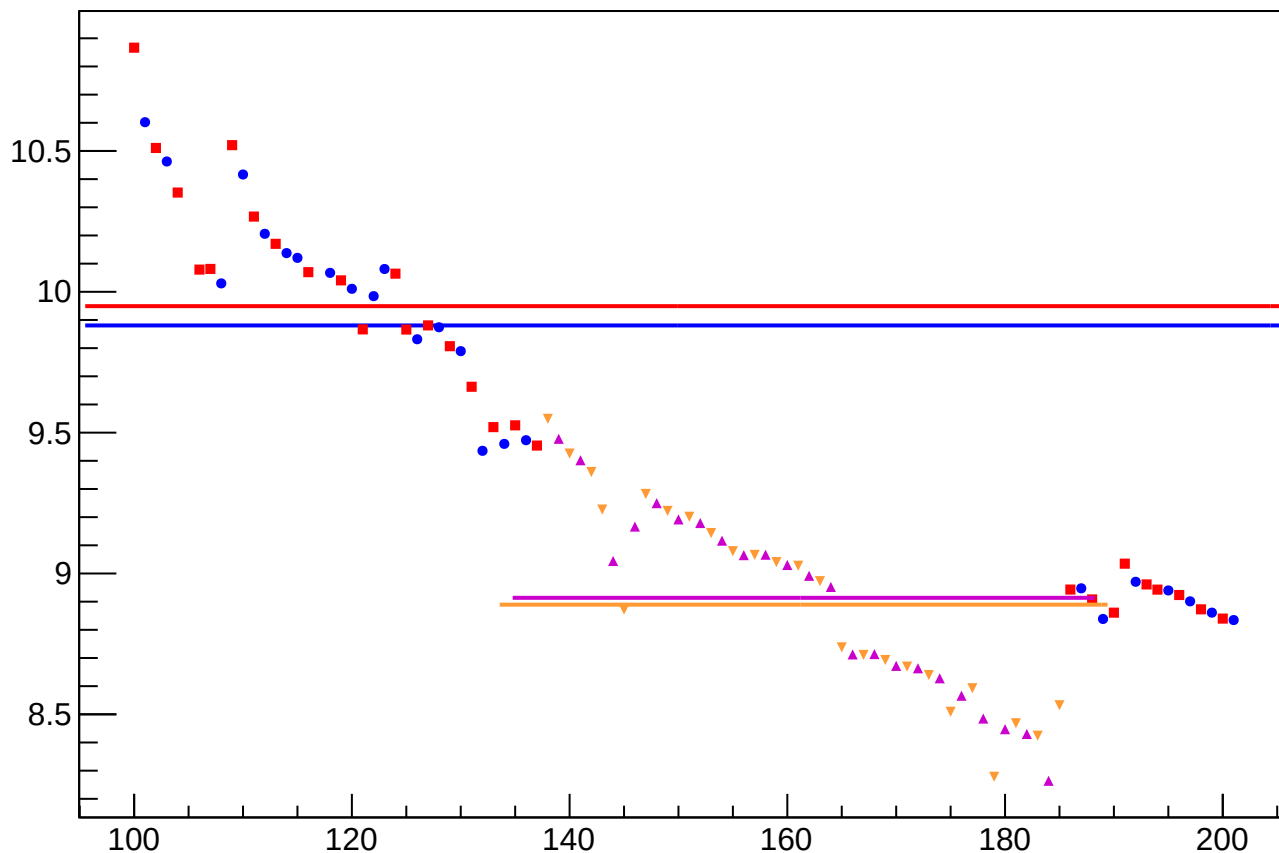
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8836559.3/48

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 18054064.8/99

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 9193164.0/50

yield_sam8_mean vs Slug



Right In: 9.881 $\pm$ 0.000 χ^2 /NDF: 40352644975.8/23

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 9.949 $\pm$ 0.000 χ^2 /NDF: 44222848355.0/27

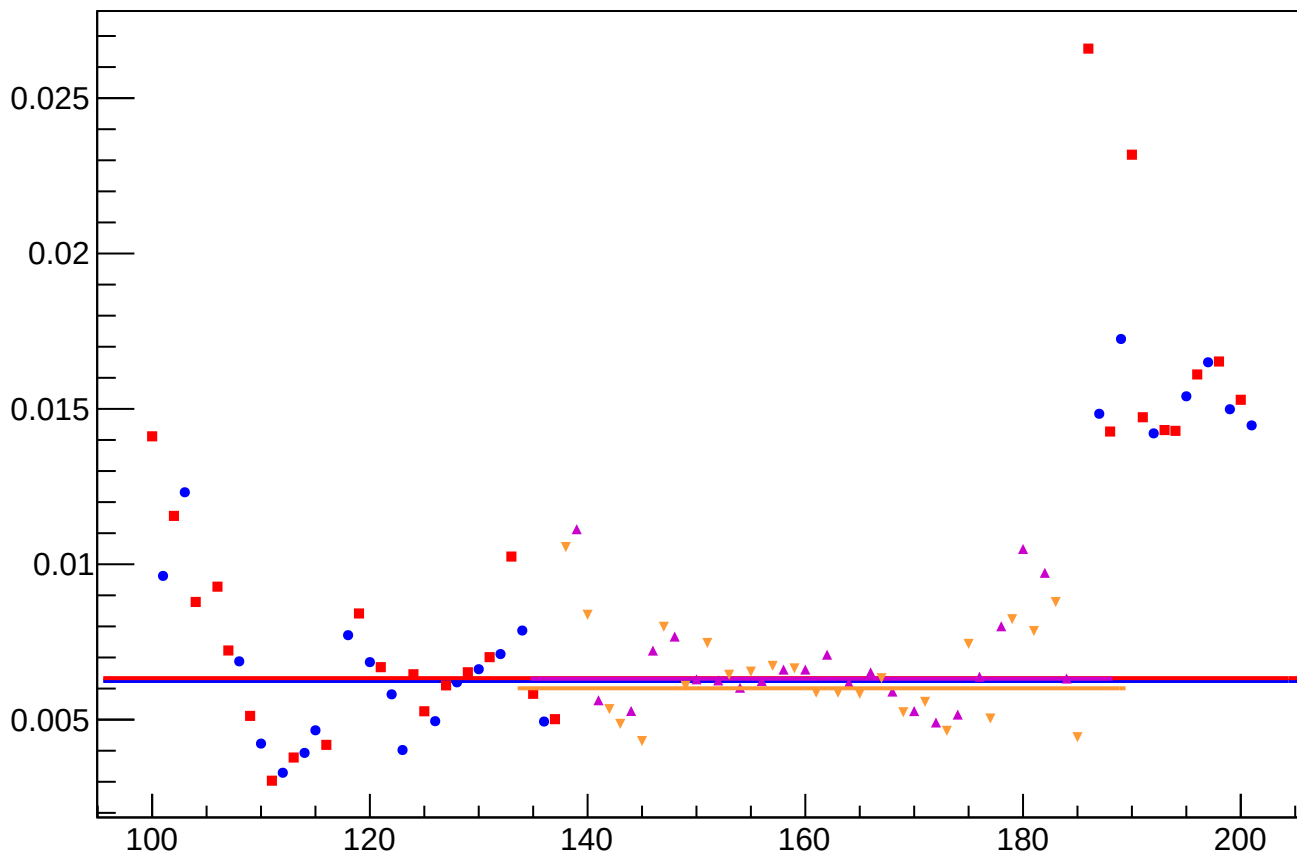
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.220 $\pm$ 0.000 χ^2 /NDF: 206826994139.3/48

All: 9.263 $\pm$ 0.000 χ^2 /NDF: 424431469908.4

- sign 9.309 $\pm$ 0.000 χ^2 /NDF: 215267373245.5/50

yield_sam8_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 4794628.6/23

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 6313703.0/27

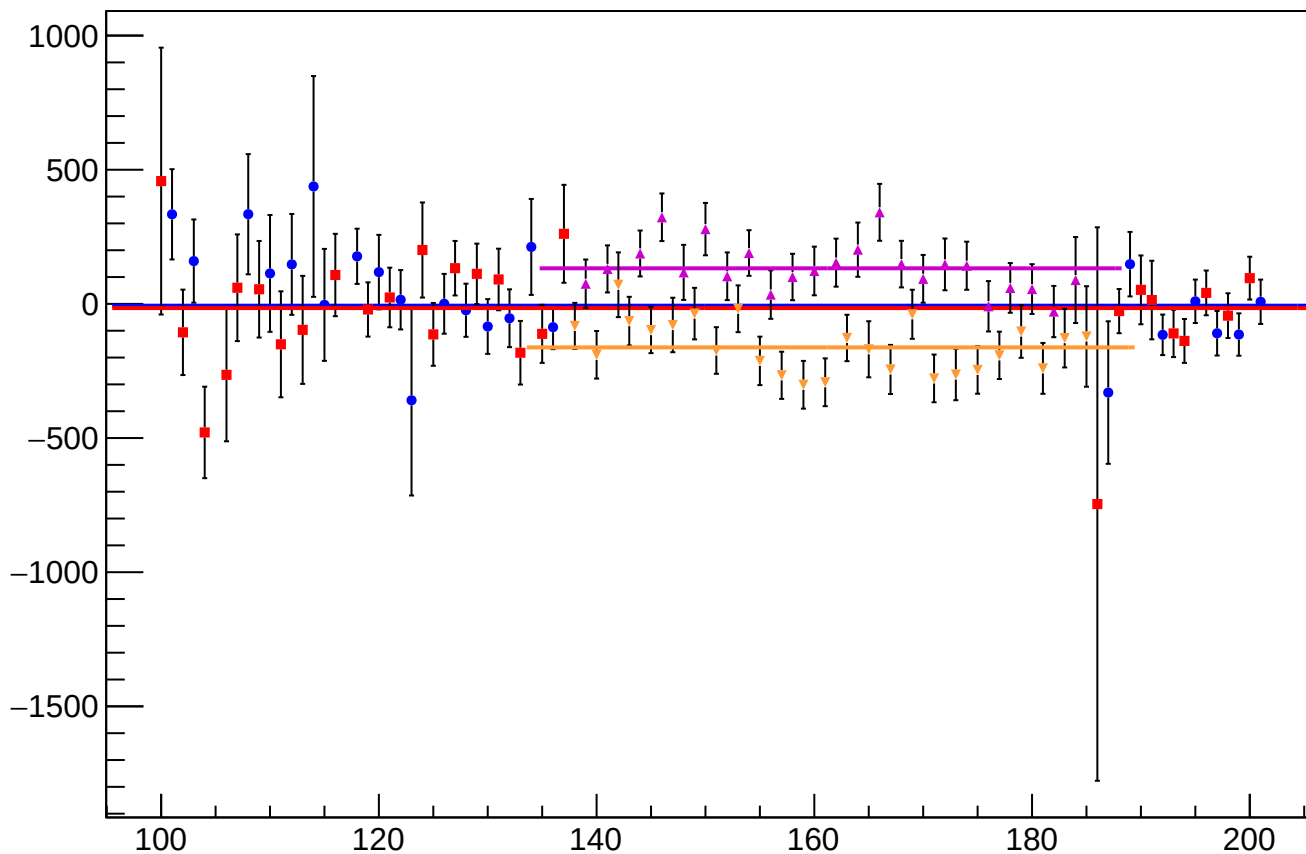
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 6121971.2/48

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 13555613.5/99

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7400833.9/50

reg_asym_sam1_mean vs Slug



Right In: -6.723 ± 23.442 χ^2/NDF : 26.7/23

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -15.661 ± 22.685 χ^2/NDF : 29.6/27

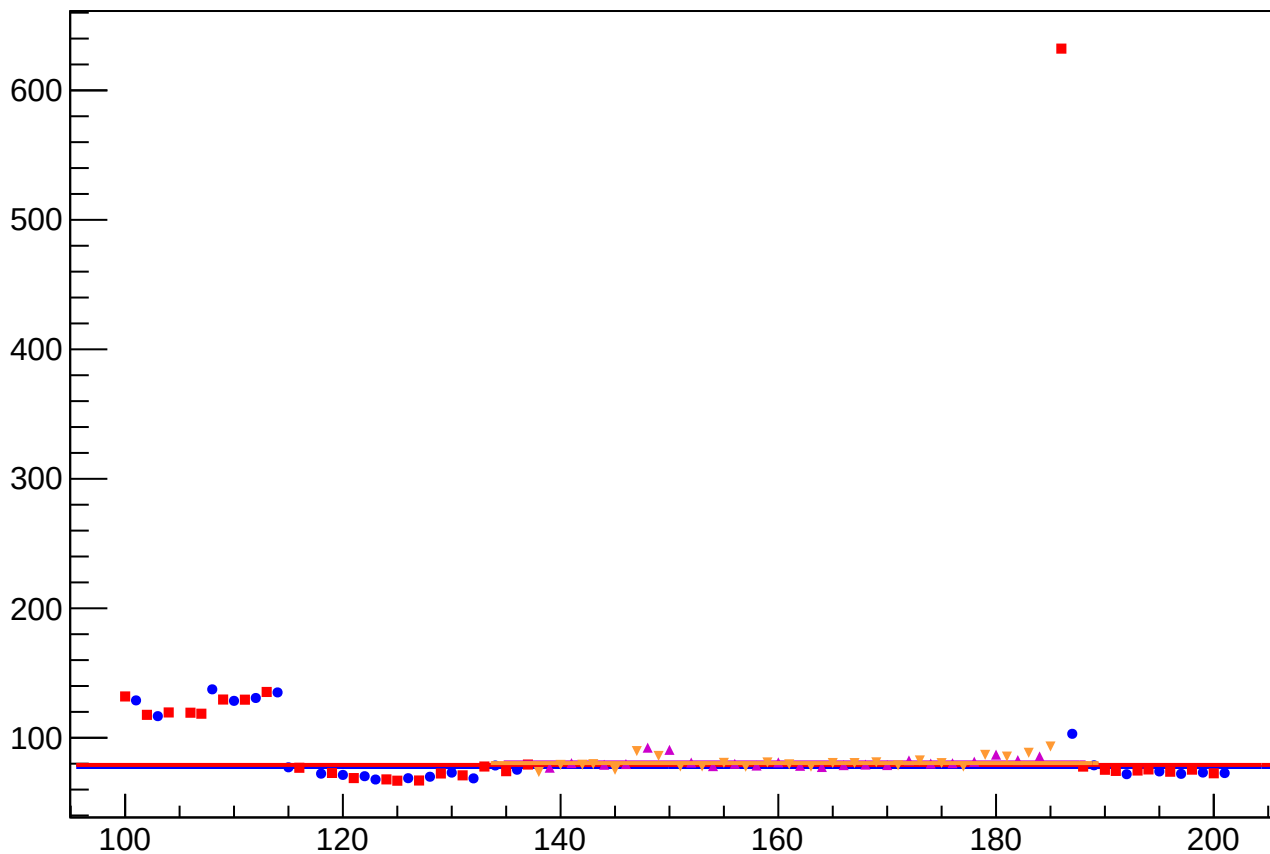
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -101.538 ± 14.640 χ^2/NDF : 79.2/48

All: -16.416 ± 10.389 χ^2/NDF : 222.3/99

- sign 69.936 ± 14.745 χ^2/NDF : 75.0/50

reg_asym_sam1_rms vs Slug



Right In: 77.445 $\pm$ 0.017 χ^2 /NDF: 882823.2/23

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 79.043 $\pm$ 0.016 χ^2 /NDF: 1546111.8/27

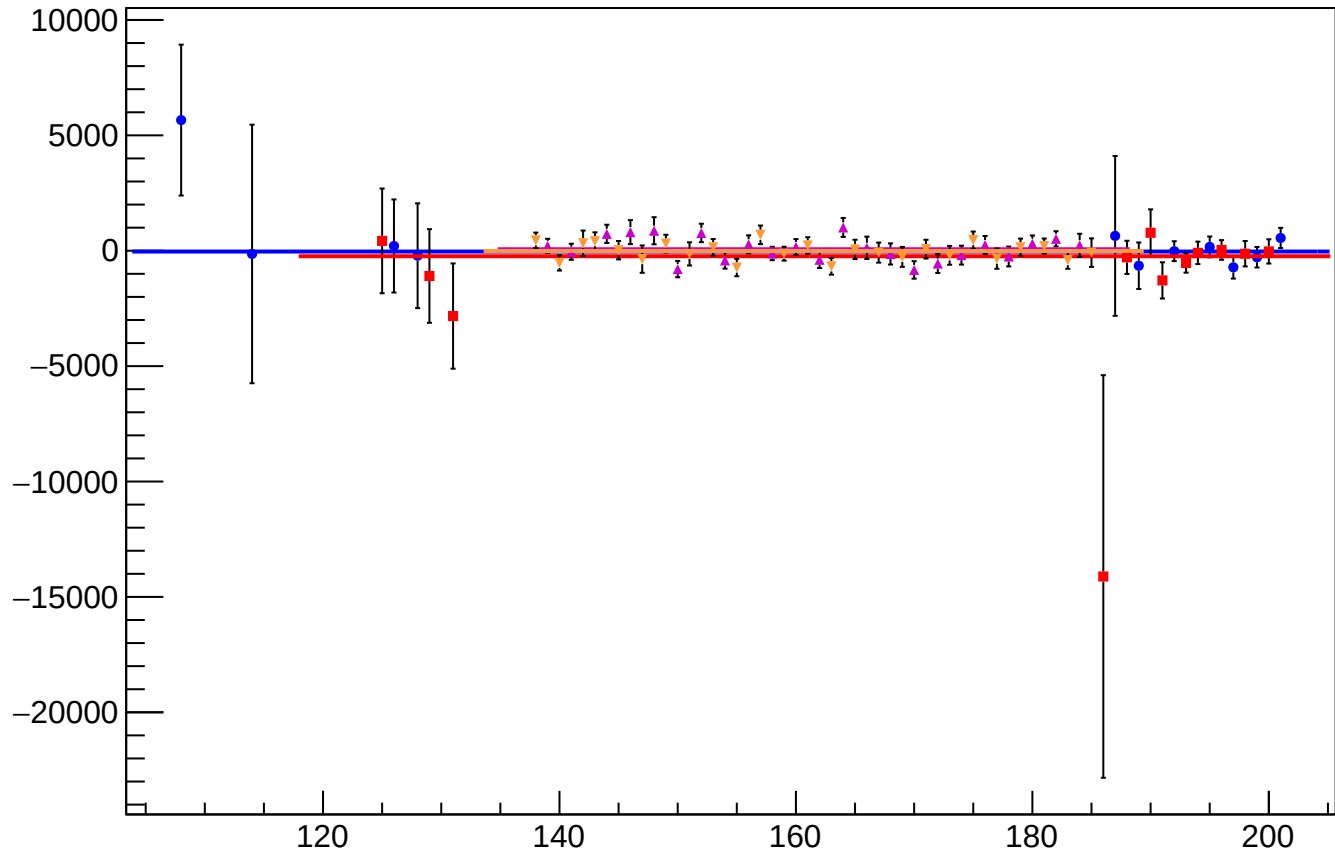
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 79.283 $\pm$ 0.010 χ^2 /NDF: 992925.1/48

All: 79.729 $\pm$ 0.007 χ^2 /NDF: 2623736.4/99

- sign 80.181 $\pm$ 0.010 χ^2 /NDF: 1627076.9/50

asym_sam1_correction_mean vs Slug



Right In: -34.168 ± 194.494 χ^2/NDF : 7.7/10

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -238.059 ± 190.487 χ^2/NDF : 8.1/11

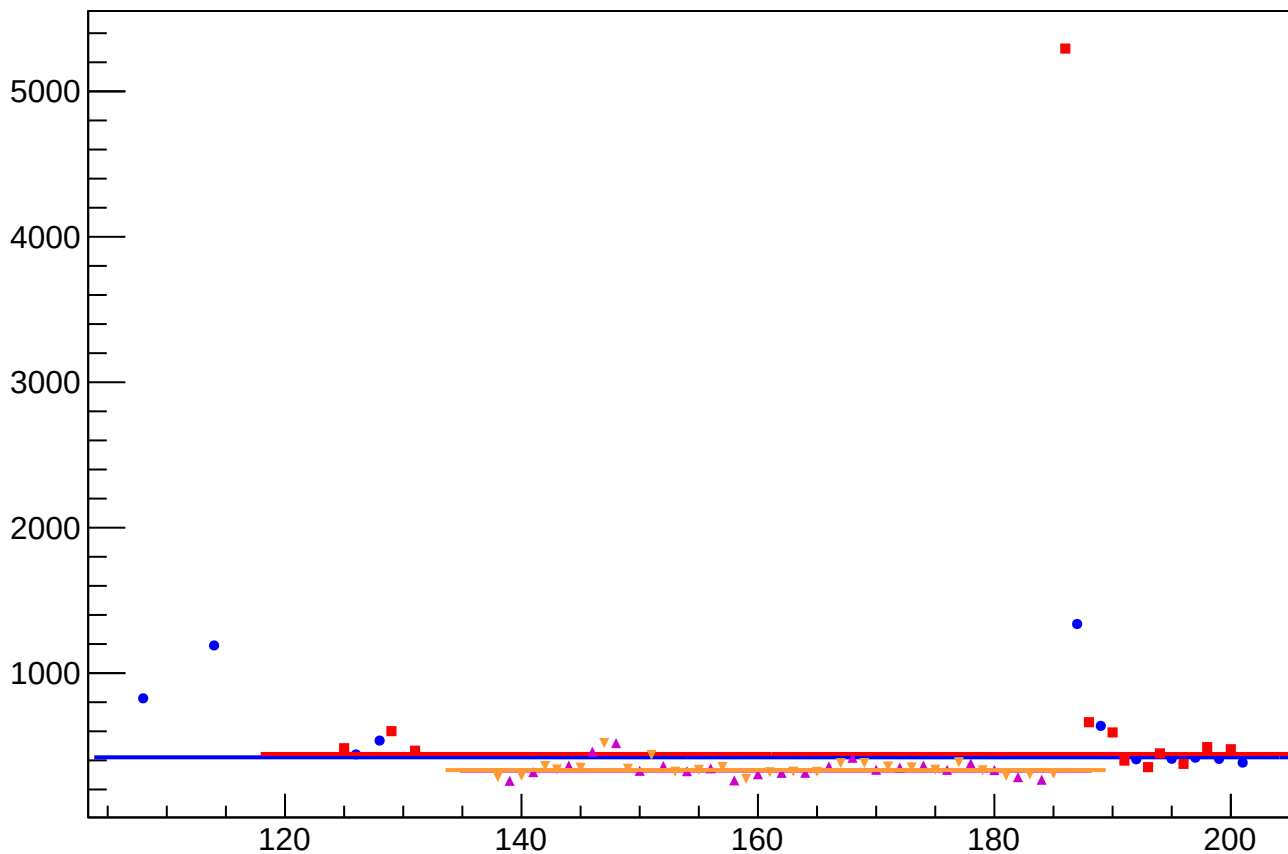
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -13.796 ± 72.707 χ^2/NDF : 30.3/35

All: 2.441 ± 51.792 χ^2/NDF : 78.0/70

- sign 19.168 ± 73.796 χ^2/NDF : 47.6/34

asym_sam1_correction_rms vs Slug



Right In: 421.071+/-0.138 χ^2/NDF : 324105.2/10

Left Out: 333.233+/-0.055 χ^2/NDF : 592122.2/24

Right Out: 444.304+/-0.135 χ^2/NDF : 1033142.7/11

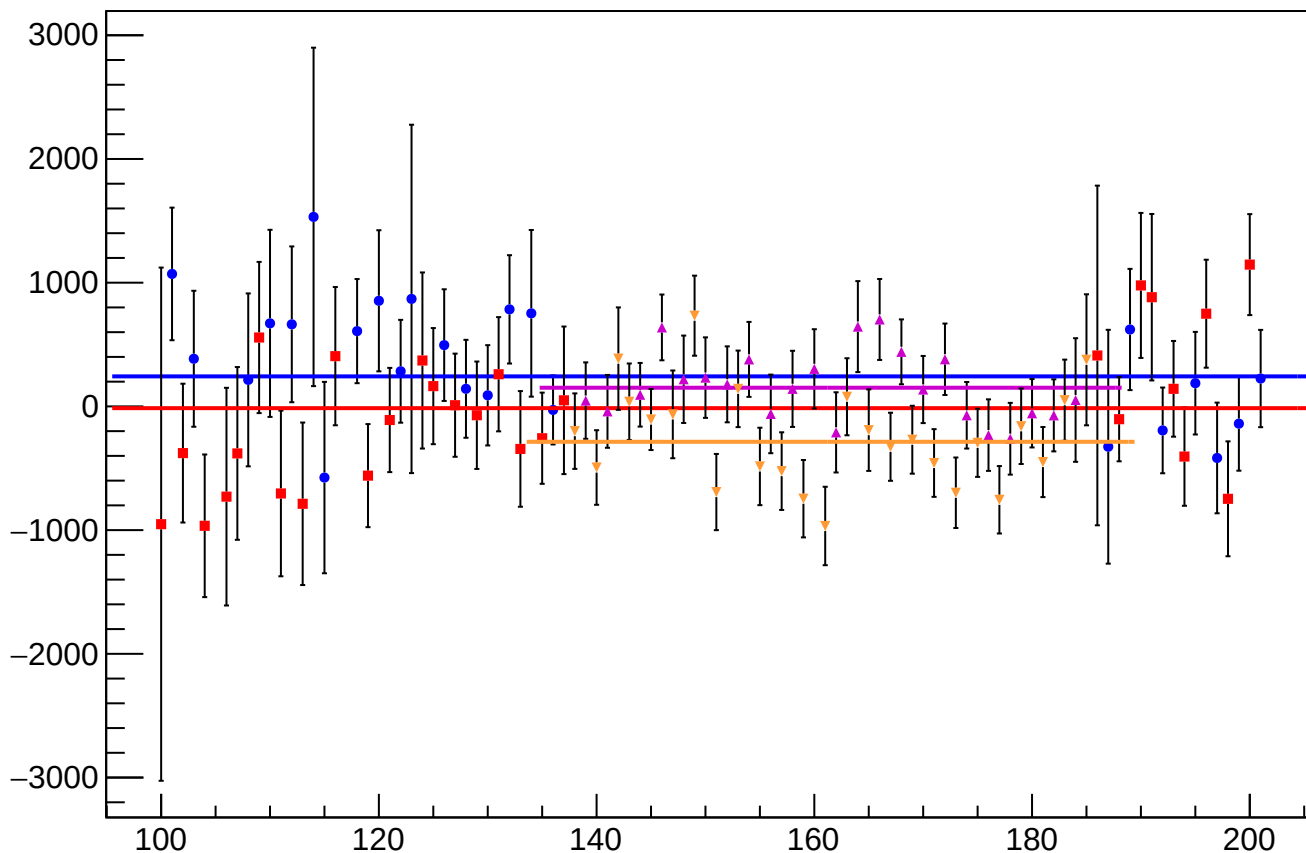
Left In: 329.985+/-0.057 χ^2/NDF : 795969.0/22

+ sign 345.508+/-0.051 χ^2/NDF : 1267143.9/35

All: 346.313+/-0.037 χ^2/NDF : 3708977.1/70

- sign 347.143+/-0.052 χ^2/NDF : 2441335.4/34

reg_asym_sam2_mean vs Slug



Right In: 242.648 $\pm$ 97.225 χ^2 /NDF: 16.7/23

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: -14.173 $\pm$ 94.587 χ^2 /NDF: 31.3/27

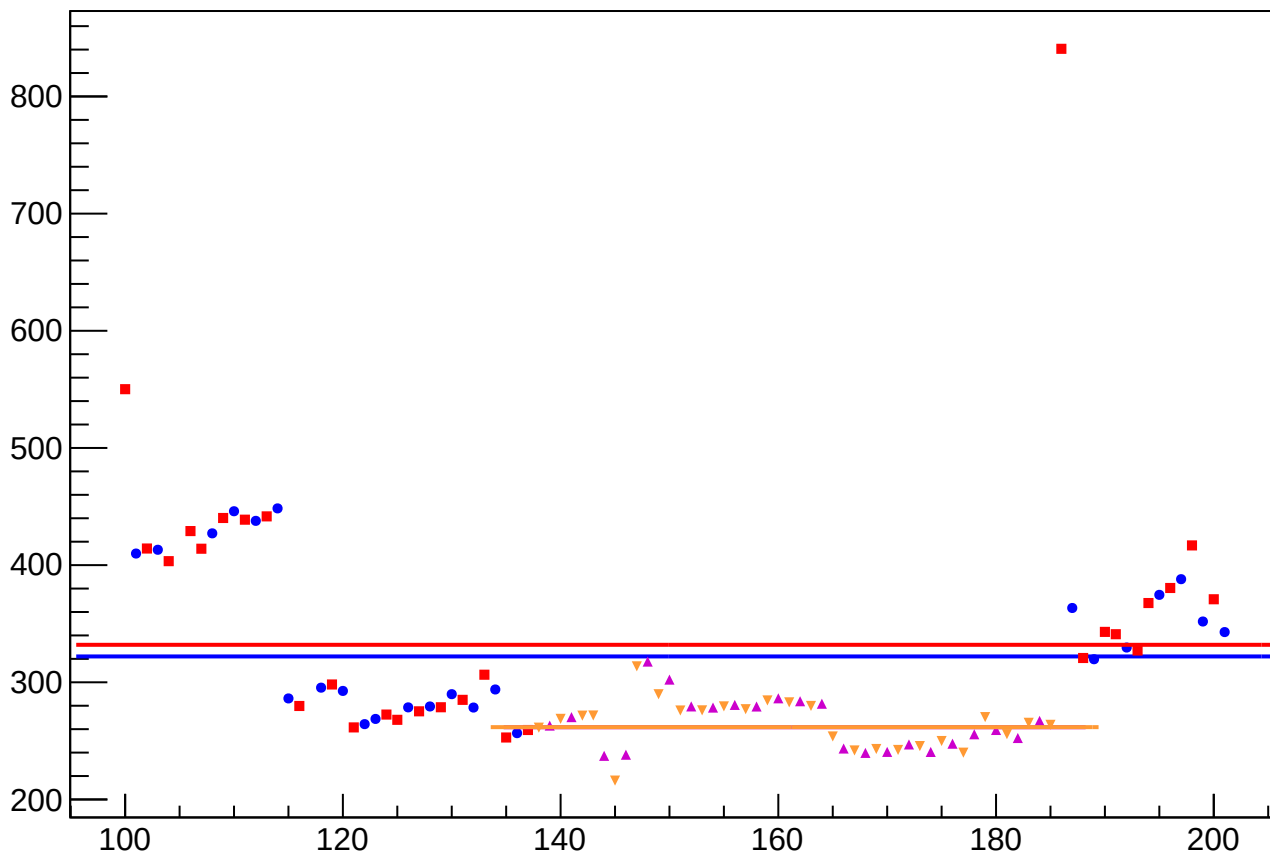
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -136.369 $\pm$ 51.729 χ^2 /NDF: 74.4/48

All: -19.353 $\pm$ 36.788 χ^2 /NDF: 136.9/99

- sign 100.391 $\pm$ 52.329 χ^2 /NDF: 52.1/50

reg_asym_sam2_rms vs Slug



Right In: 322.069+/-0.069 χ^2/NDF : 637503.7/23

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 331.996+/-0.067 χ^2/NDF : 1074465.6/27

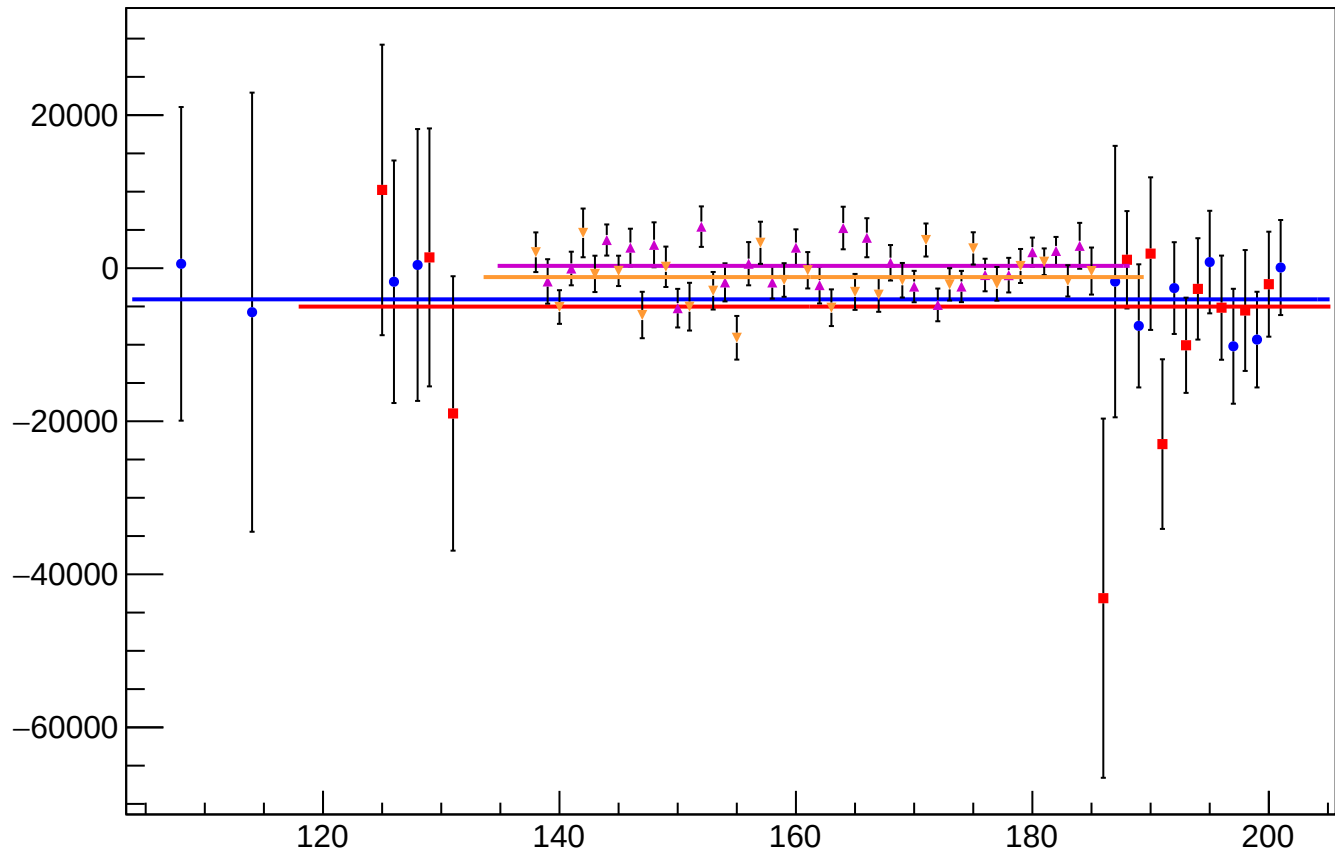
Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

+ sign 278.805+/-0.037 χ^2/NDF : 1423138.3/48

All: 280.963+/-0.026 χ^2/NDF : 3500825.9/99

- sign 283.171+/-0.037 χ^2/NDF : 2070645.9/50

asym_sam2_correction_mean vs Slug



Right In: -4070.375 ± 2592.925 χ^2/NDF : 2.8/10

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -5017.472 ± 2487.317 χ^2/NDF : 9.0/11

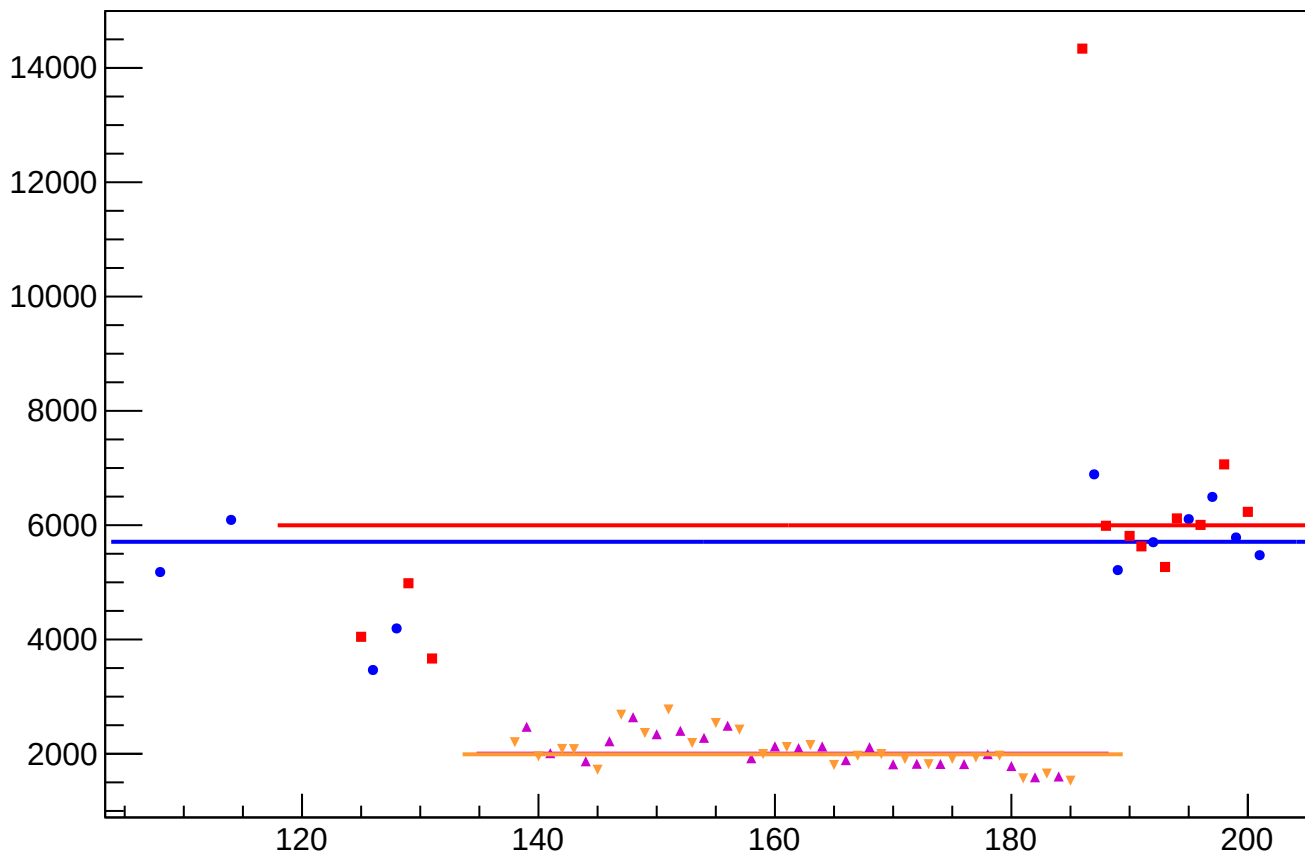
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1253.611 ± 461.546 χ^2/NDF : 42.7/35

All: -591.032 ± 330.976 χ^2/NDF : 95.8/70

- sign 110.382 ± 474.880 χ^2/NDF : 48.8/34

asym_sam2_correction_rms vs Slug



Right In: 5709.278+/-1.833 χ^2/NDF : 104779.5/10

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5997.789+/-1.759 χ^2/NDF : 384559.2/11

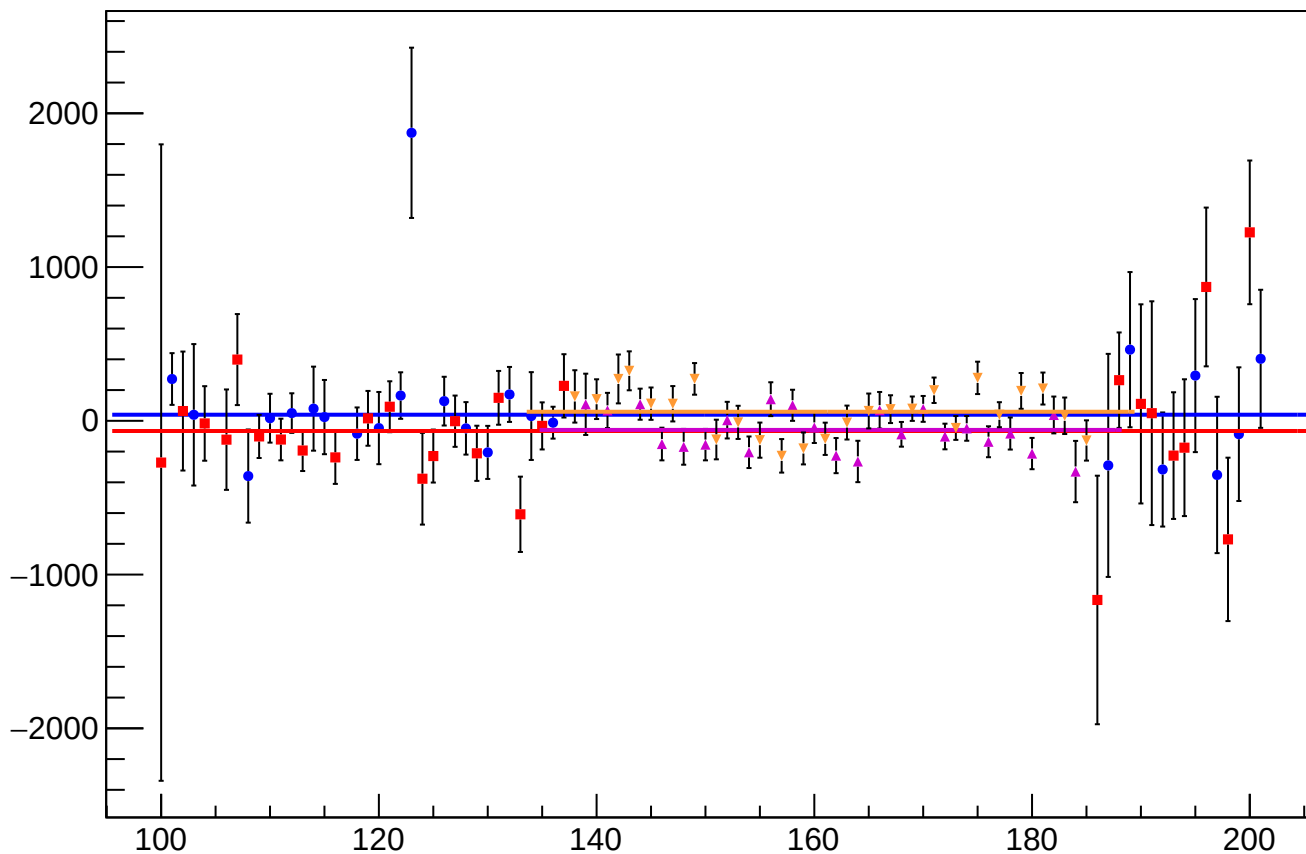
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2108.914+/-0.326 χ^2/NDF : 4813317.7/35

All: 2127.802+/-0.234 χ^2/NDF : 10763660.7/77

- sign 2147.797+/-0.336 χ^2/NDF : 5943447.8/34

reg_asym_sam3_mean vs Slug



Right In: 39.711 ± 42.390 χ^2/NDF : 22.8/23

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -66.185 ± 41.720 χ^2/NDF : 33.2/27

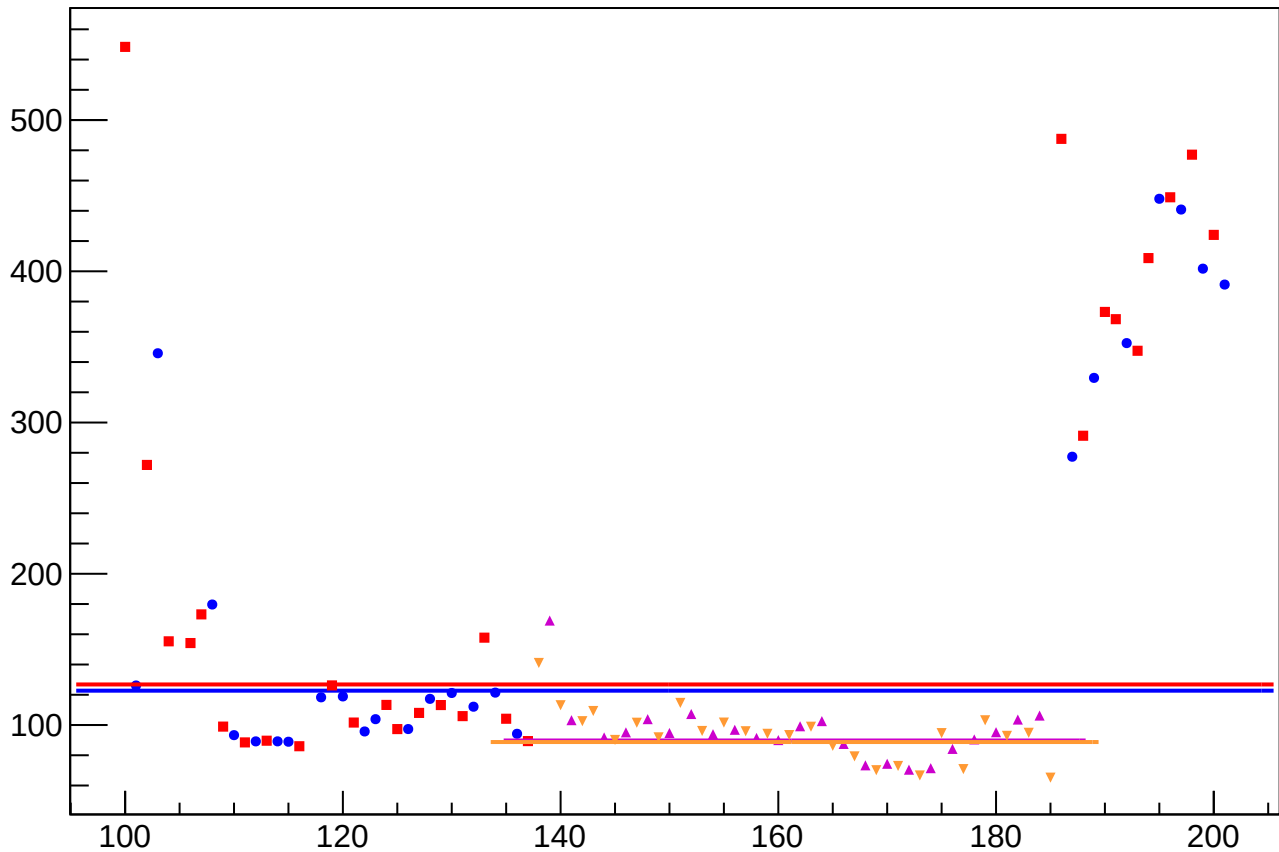
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 55.145 ± 18.916 χ^2/NDF : 69.9/48

All: -1.317 ± 13.545 χ^2/NDF : 150.8/99

- sign -60.738 ± 19.405 χ^2/NDF : 62.6/50

reg_asym_sam3_rms vs Slug



Right In: 122.704 $\pm$ 0.030 χ^2 /NDF: 5465730.1/23

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF: 1079338.8/24

Right Out: 126.817 $\pm$ 0.030 χ^2 /NDF: 6582493.8/27

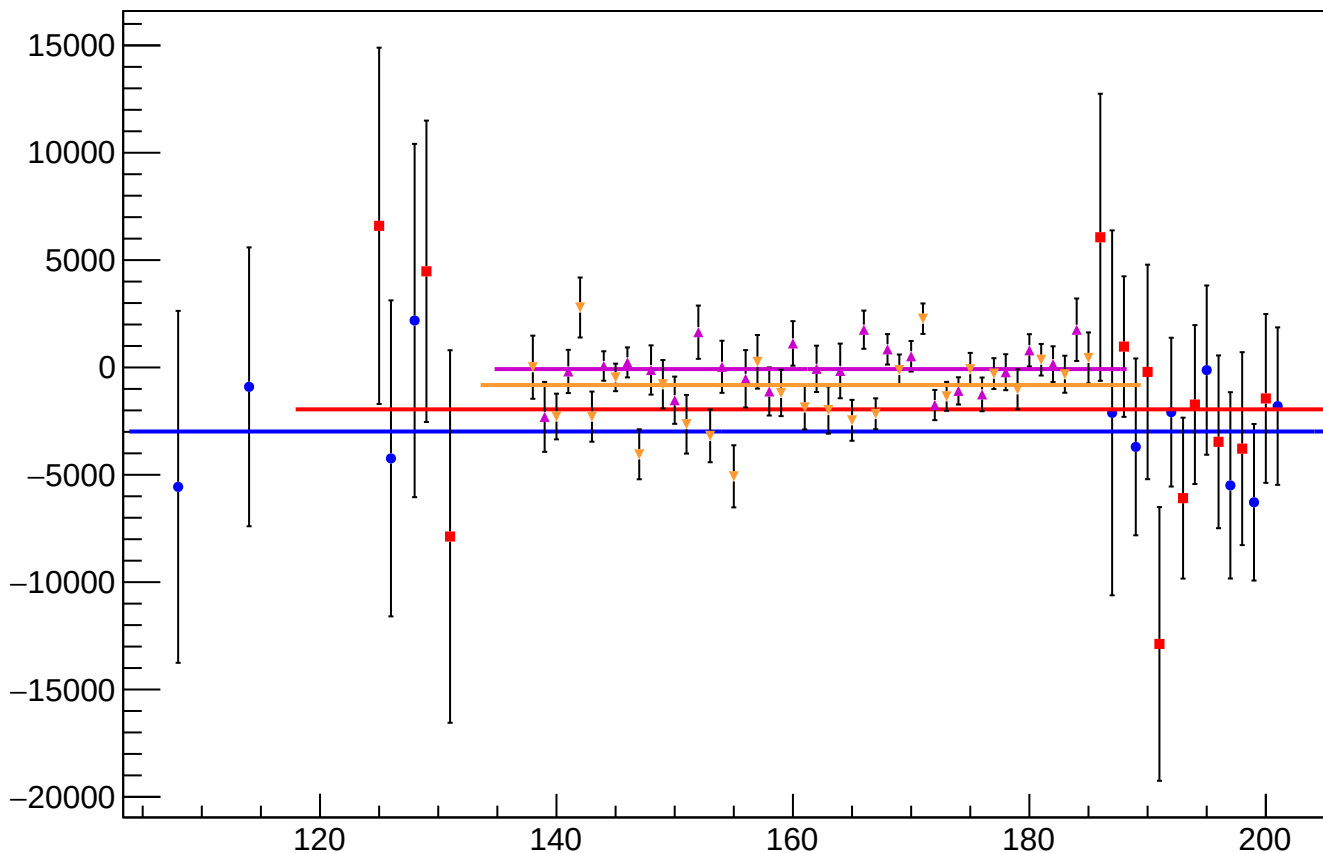
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF: 885818.0/22

+ sign 95.510 $\pm$ 0.013 χ^2 /NDF: 7572862.6/48

All: 96.617 $\pm$ 0.010 χ^2 /NDF: 16291397.3/99

- sign 97.782 $\pm$ 0.014 χ^2 /NDF: 8704476.5/50

asym_sam3_correction_mean vs Slug



Right In: -2983.243 ± 1421.393 χ^2/NDF : 2.5/10

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: -1951.777 ± 1349.925 χ^2/NDF : 9.2/11

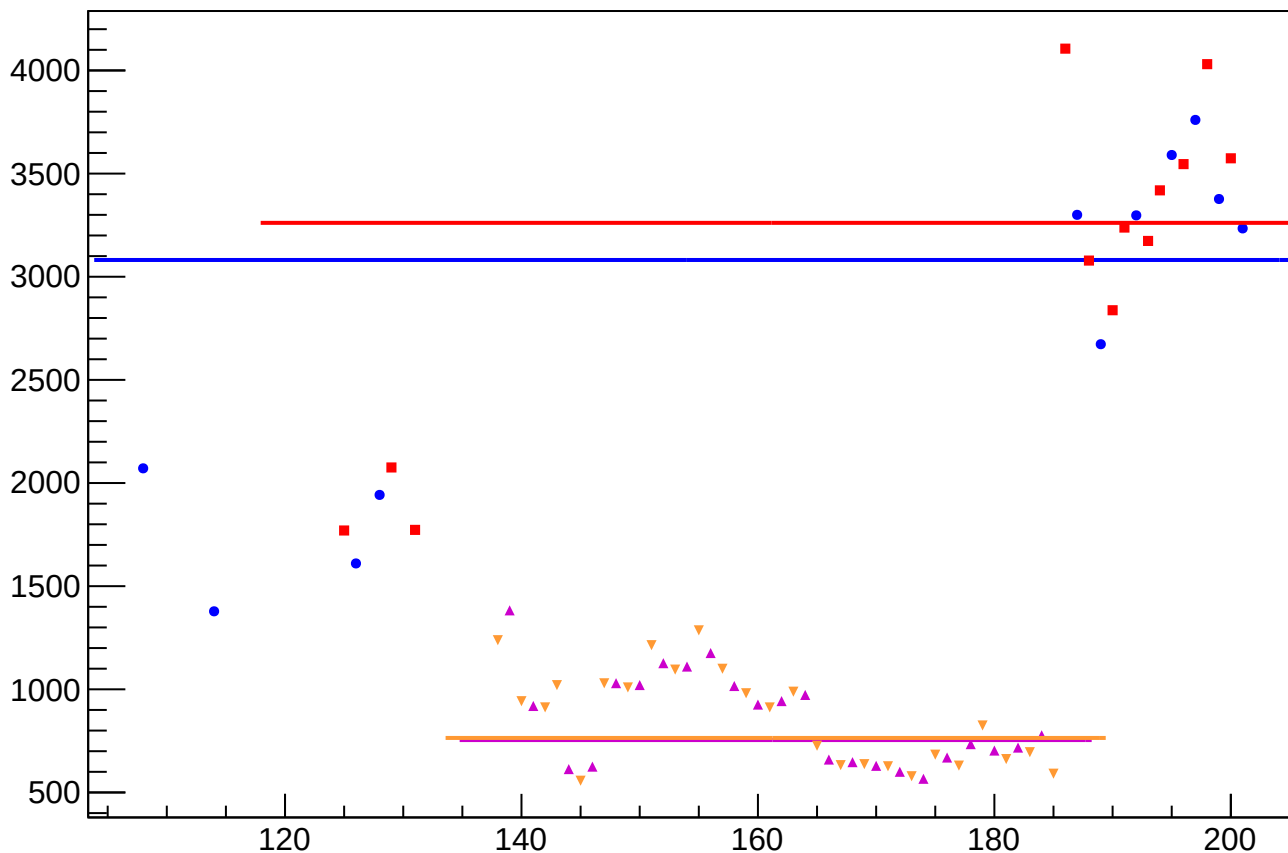
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -854.725 ± 182.930 χ^2/NDF : 73.0/35

All: -487.021 ± 130.039 χ^2/NDF : 120.5/70

- sign -111.389 ± 184.892 χ^2/NDF : 39.4/34

asym_sam3_correction_rms vs Slug



Right In: 3081.230+/-1.005 χ^2/NDF : 413839.3/10

Left Out: 764.280+/-0.130 χ^2/NDF : 2315985.8/24

Right Out: 3261.229+/-0.955 χ^2/NDF : 319129.3/11

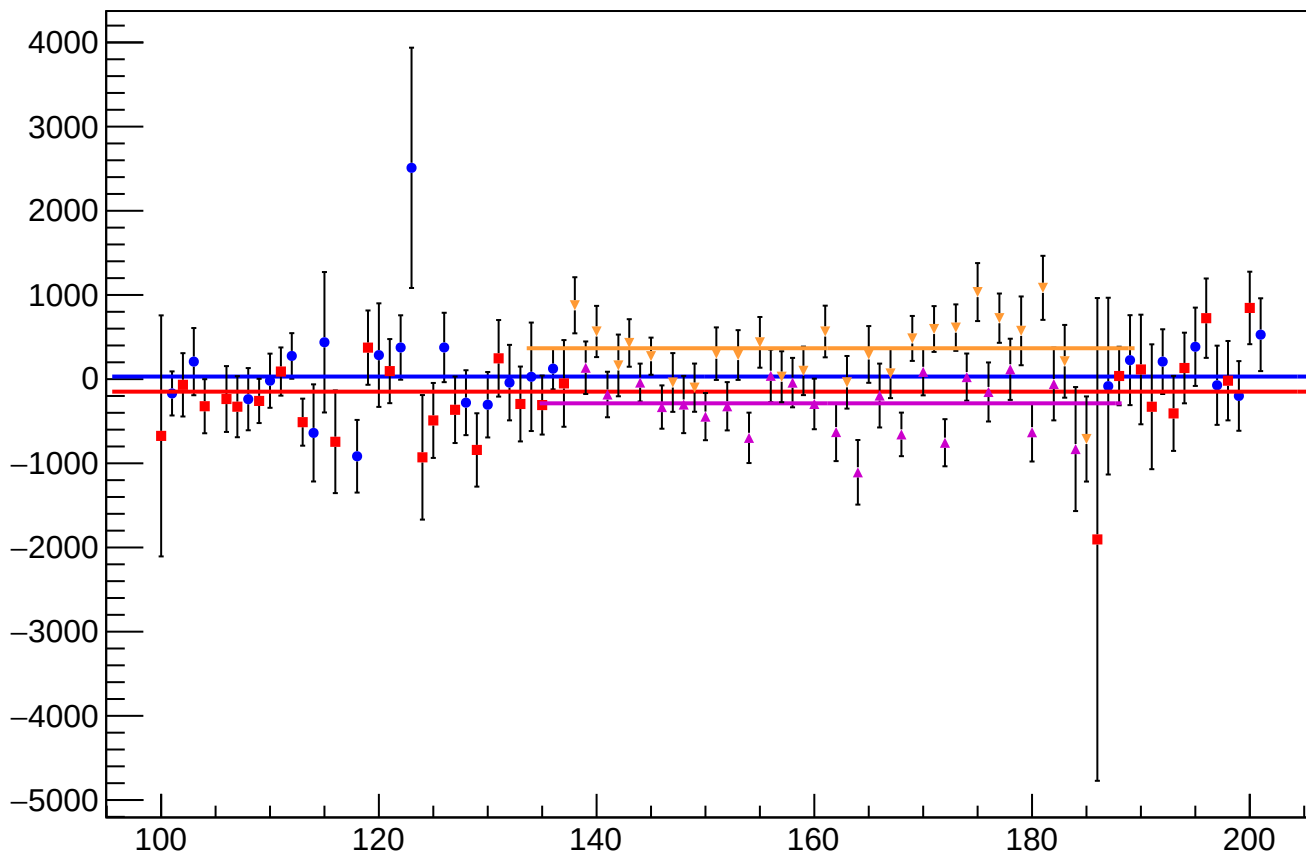
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 802.655+/-0.129 χ^2/NDF : 7955977.5/35

All: 801.866+/-0.092 χ^2/NDF : 17058200.0/70

- sign 801.060+/-0.131 χ^2/NDF : 9102147.3/34

reg_asym_sam4_mean vs Slug



Right In: 30.712 ± 82.767 $\chi^2/\text{NDF}: 17.4/23$

Left Out: 367.028 ± 61.943 $\chi^2/\text{NDF}: 28.2/24$

Right Out: -148.661 ± 78.180 $\chi^2/\text{NDF}: 22.2/27$

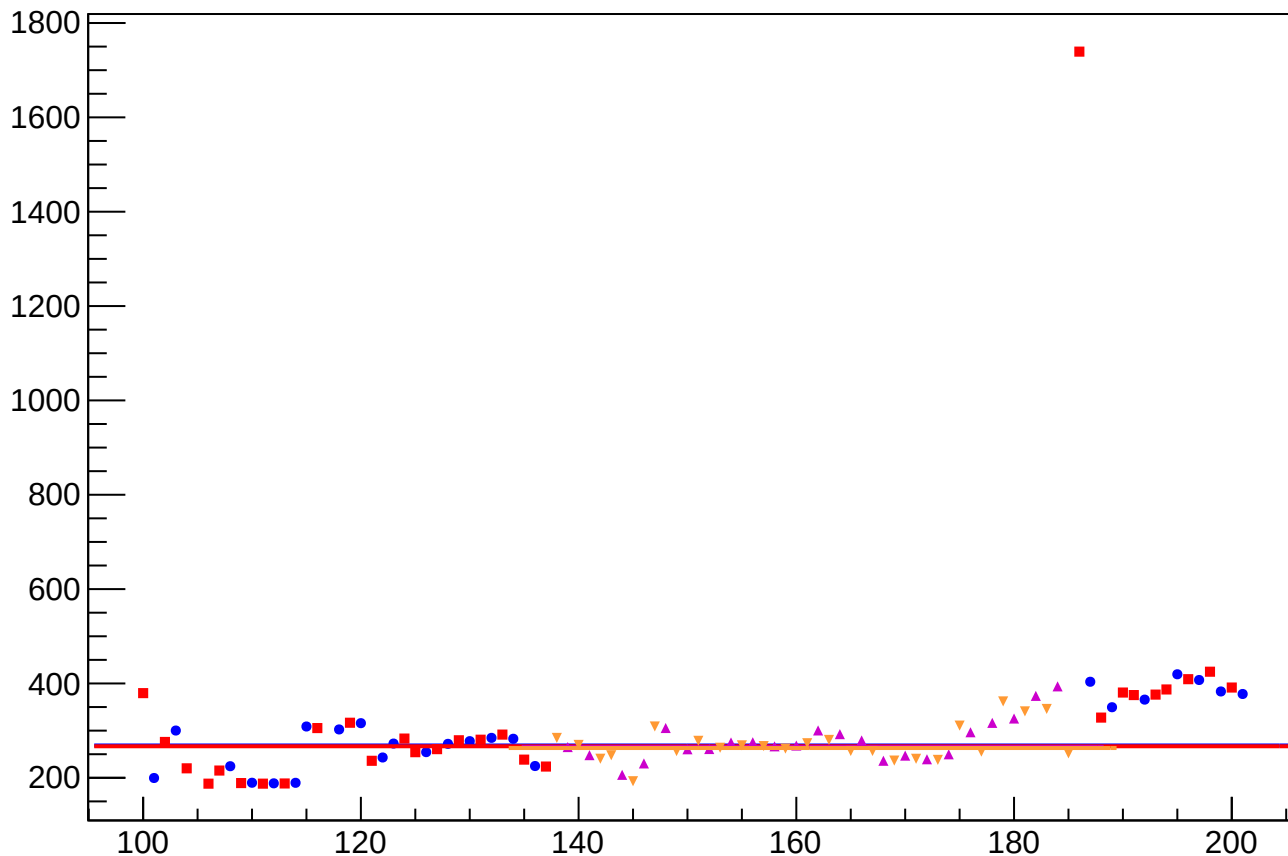
Left In: -287.246 ± 64.141 $\chi^2/\text{NDF}: 23.9/22$

+ sign 246.283 ± 49.592 $\chi^2/\text{NDF}: 56.3/48$

All: 7.371 ± 35.065 $\chi^2/\text{NDF}: 150.7/99$

- sign -231.493 ± 49.587 $\chi^2/\text{NDF}: 48.0/50$

reg_asym_sam4_rms vs Slug



Right In: 268.547 $\pm$ 0.059 χ^2 /NDF: 1493398.3/23

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 266.834 $\pm$ 0.055 χ^2 /NDF: 2305431.9/27

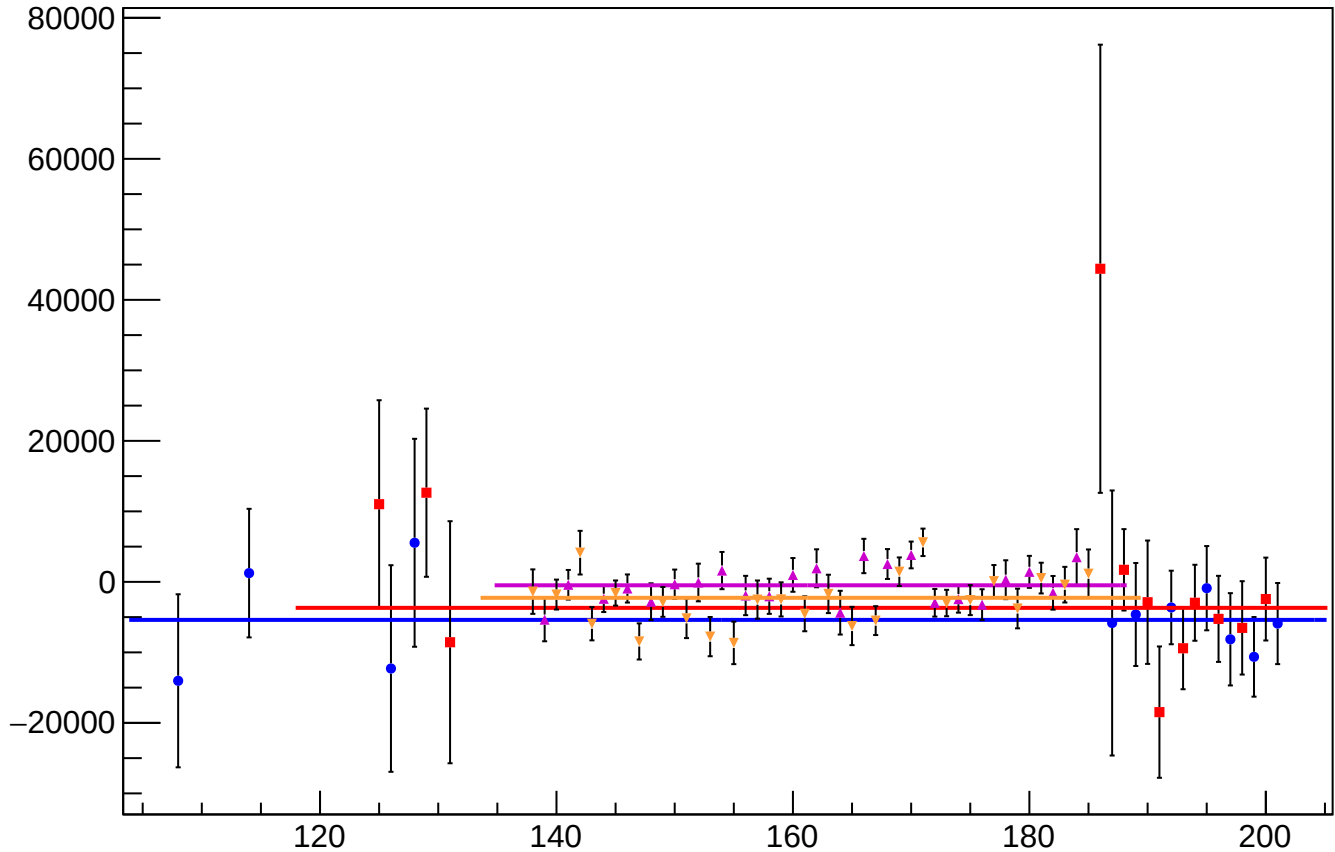
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 265.057 $\pm$ 0.035 χ^2 /NDF: 2141171.1/48

All: 265.375 $\pm$ 0.025 χ^2 /NDF: 5056505.7/99

- sign 265.692 $\pm$ 0.035 χ^2 /NDF: 2915170.9/50

asym_sam4_correction_mean vs Slug



Right In: -5391.327 ± 2240.417 χ^2/NDF : 3.5/10

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -3684.091 ± 2165.474 χ^2/NDF : 9.9/11

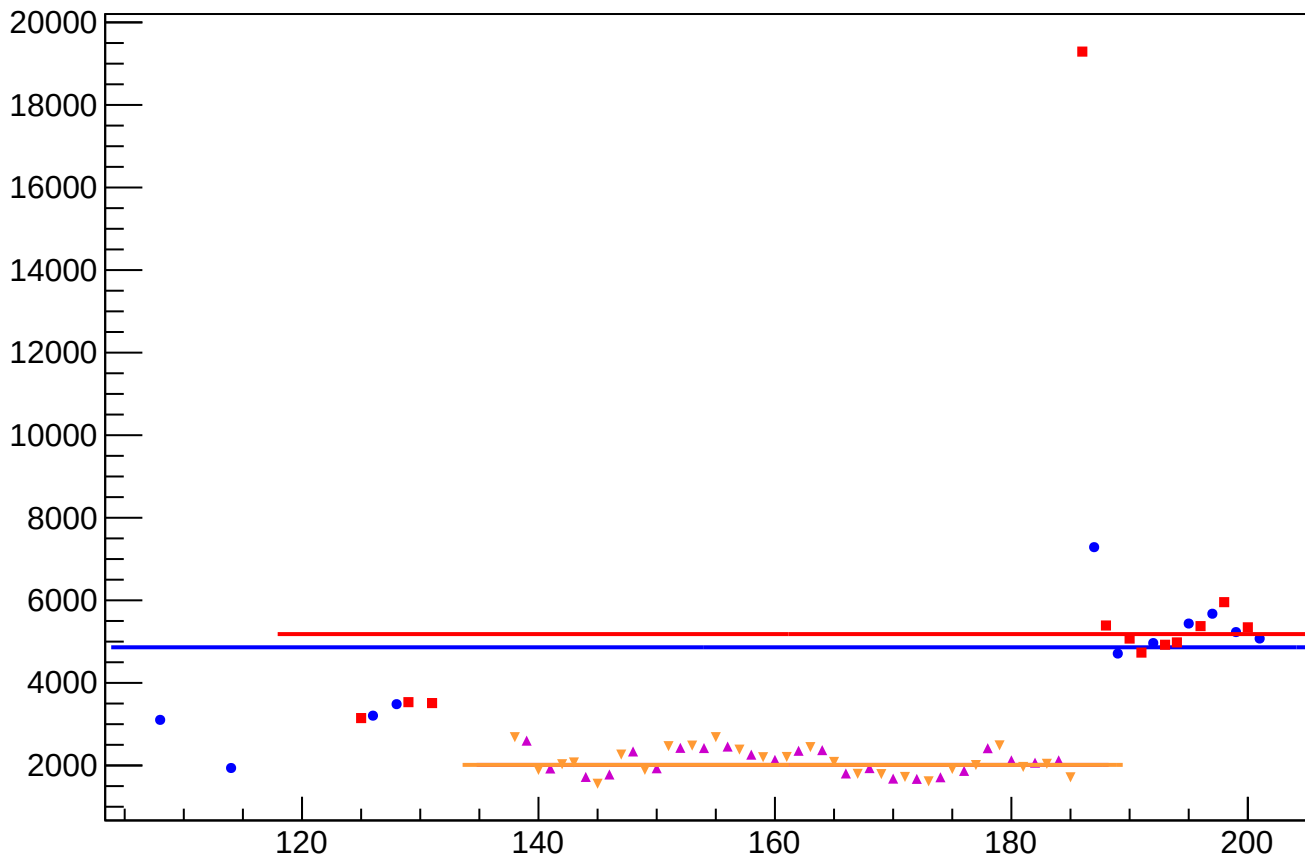
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2395.068 ± 464.985 χ^2/NDF : 57.7/35

All: -1537.201 ± 332.472 χ^2/NDF : 101.5/70

- sign -639.852 ± 475.565 χ^2/NDF : 36.8/34

asym_sam4_correction_rms vs Slug



Right In: 4862.432+/-1.584 χ^2/NDF : 385259.1/10

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 5182.292+/-1.531 χ^2/NDF : 534567.2/11

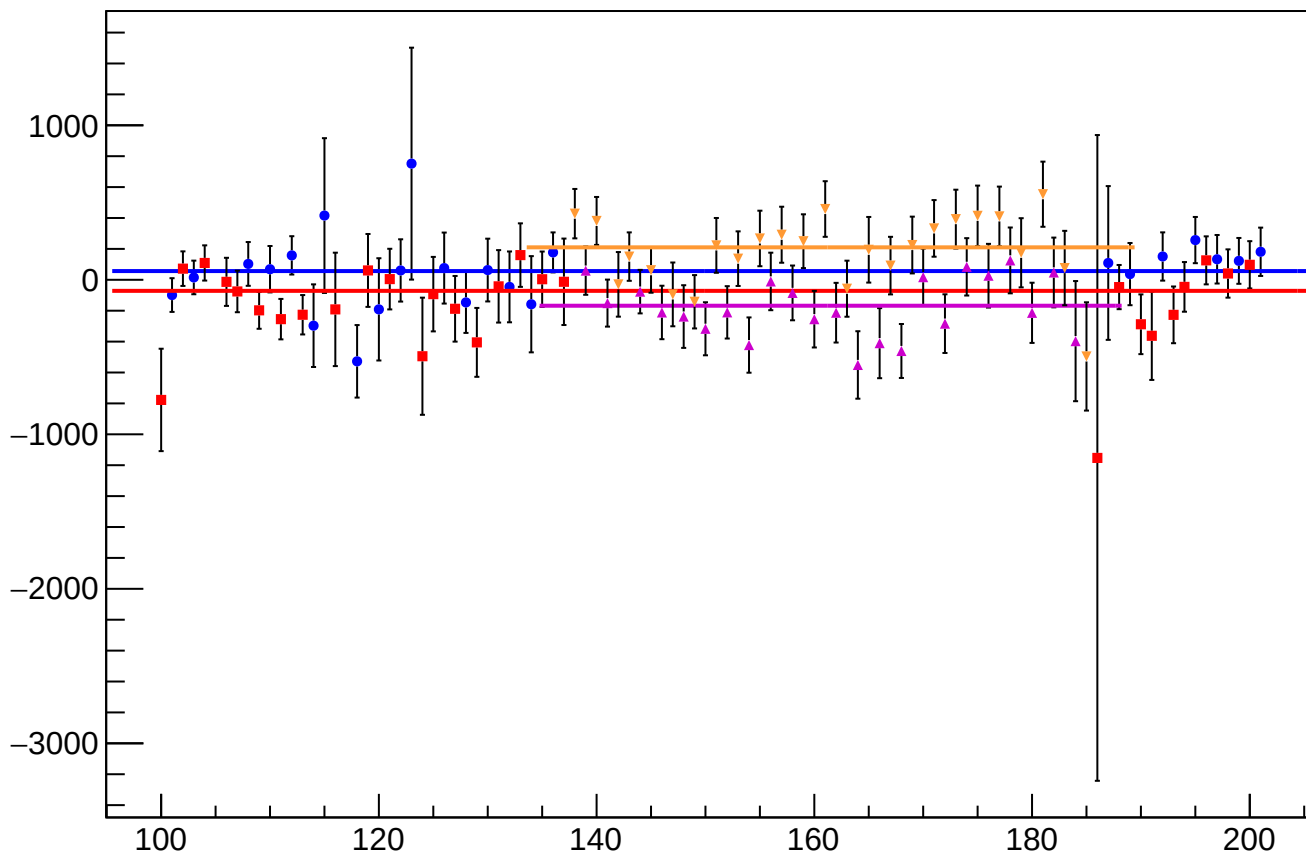
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2136.796+/-0.329 χ^2/NDF : 4314272.3/35

All: 2151.112+/-0.235 χ^2/NDF : 9591539.9/70

- sign 2166.087+/-0.336 χ^2/NDF : 5273388.6/34

reg_asym_sam5_mean vs Slug



Right In: 56.488 ± 35.389 χ^2/NDF : 18.7/23

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -71.532 ± 32.654 χ^2/NDF : 25.9/27

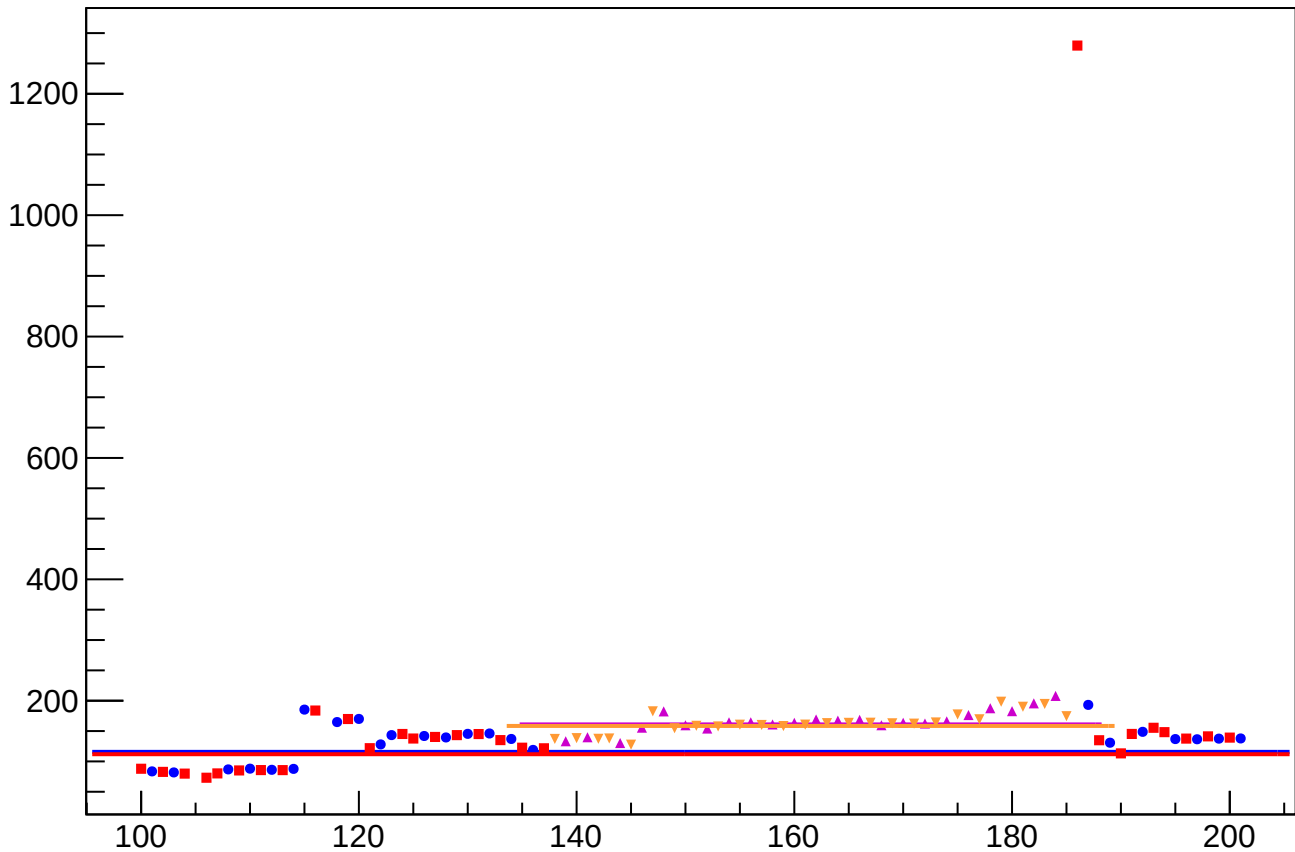
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 129.678 ± 25.605 χ^2/NDF : 55.2/48

All: 5.991 ± 17.874 χ^2/NDF : 151.4/99

- sign -111.554 ± 24.961 χ^2/NDF : 50.7/50

reg_asym_sam5_rms vs Slug



Right In: 115.729 $\pm$ 0.025 χ^2 /NDF: 1294327.9/23

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 111.853 $\pm$ 0.023 χ^2 /NDF: 2302975.4/27

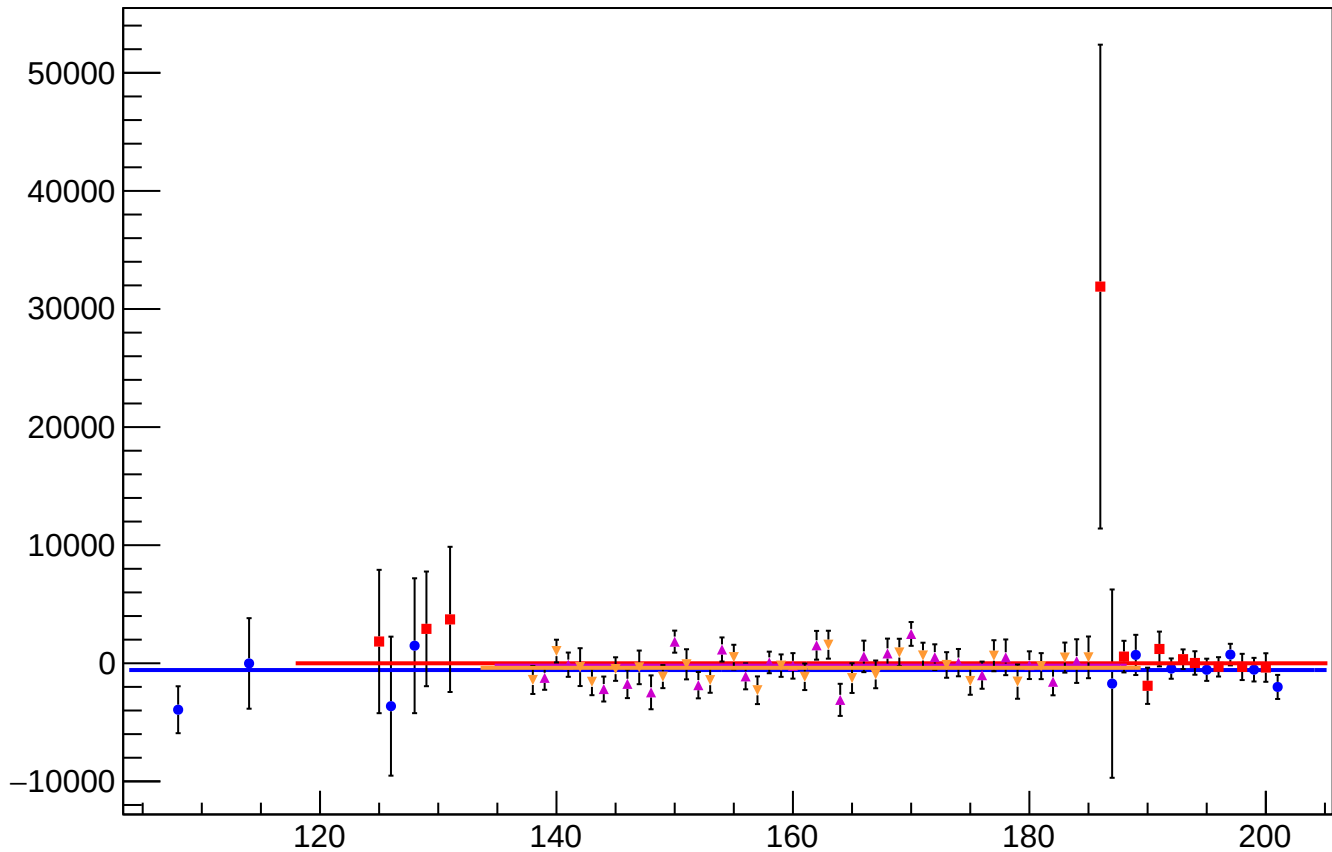
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 136.081 $\pm$ 0.018 χ^2 /NDF: 3116789.5/48

All: 134.121 $\pm$ 0.013 χ^2 /NDF: 7701423.5/99

- sign 132.259 $\pm$ 0.018 χ^2 /NDF: 4561782.5/50

asym_sam5_correction_mean vs Slug



Right In: -573.571 ± 395.742 χ^2/NDF : 7.9/10

Left Out: -385.018 ± 231.833 χ^2/NDF : 18.1/24

Right Out: -1.848 ± 378.257 χ^2/NDF : 6.1/11

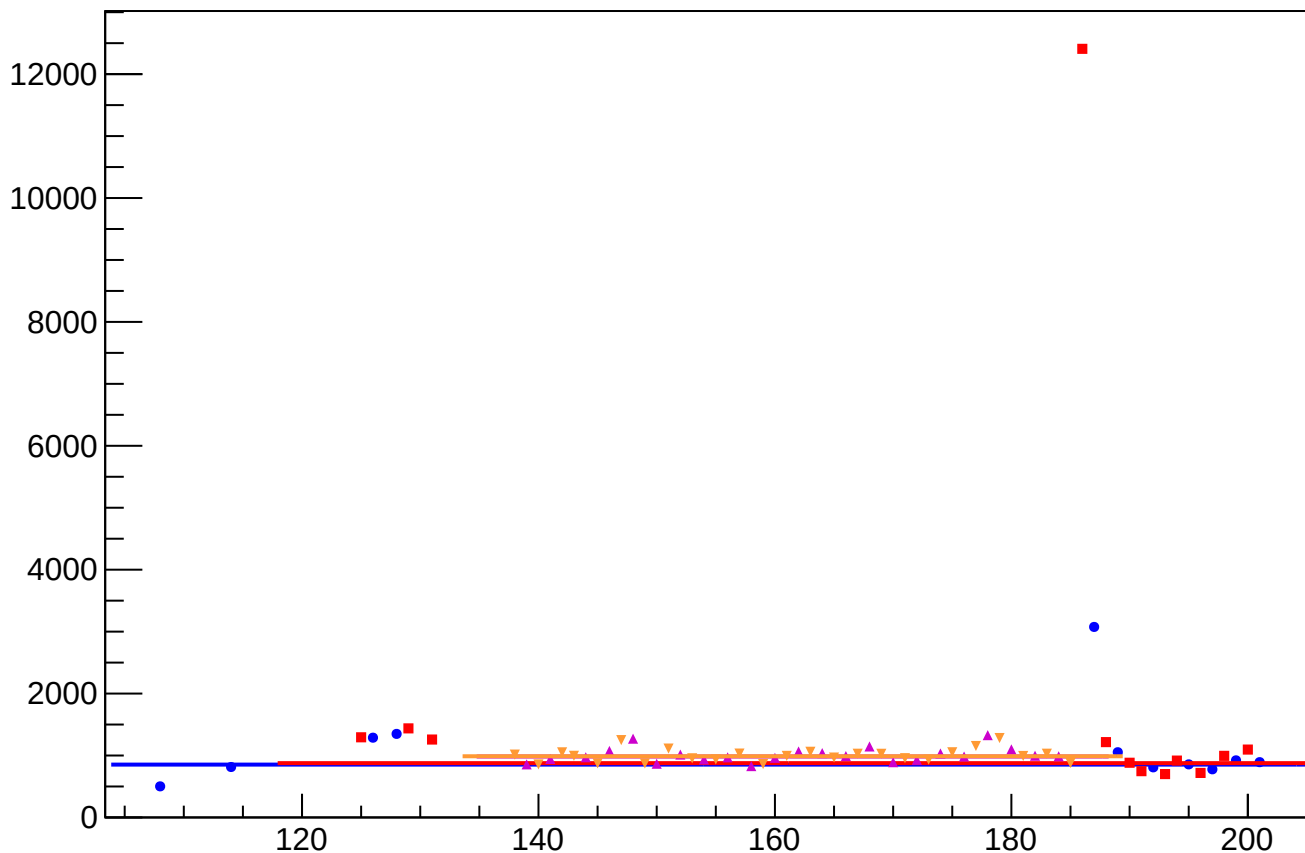
Left In: -202.234 ± 237.460 χ^2/NDF : 35.5/22

+ sign -433.193 ± 200.036 χ^2/NDF : 26.1/35

All: -290.163 ± 141.826 χ^2/NDF : 69.0/70

- sign -145.587 ± 201.114 χ^2/NDF : 41.8/34

asym_sam5_correction_rms vs Slug



Right In: 853.297 $\pm$ 0.280 χ^2 /NDF: 303140.6/10

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 876.919 $\pm$ 0.267 χ^2 /NDF: 1078090.1/11

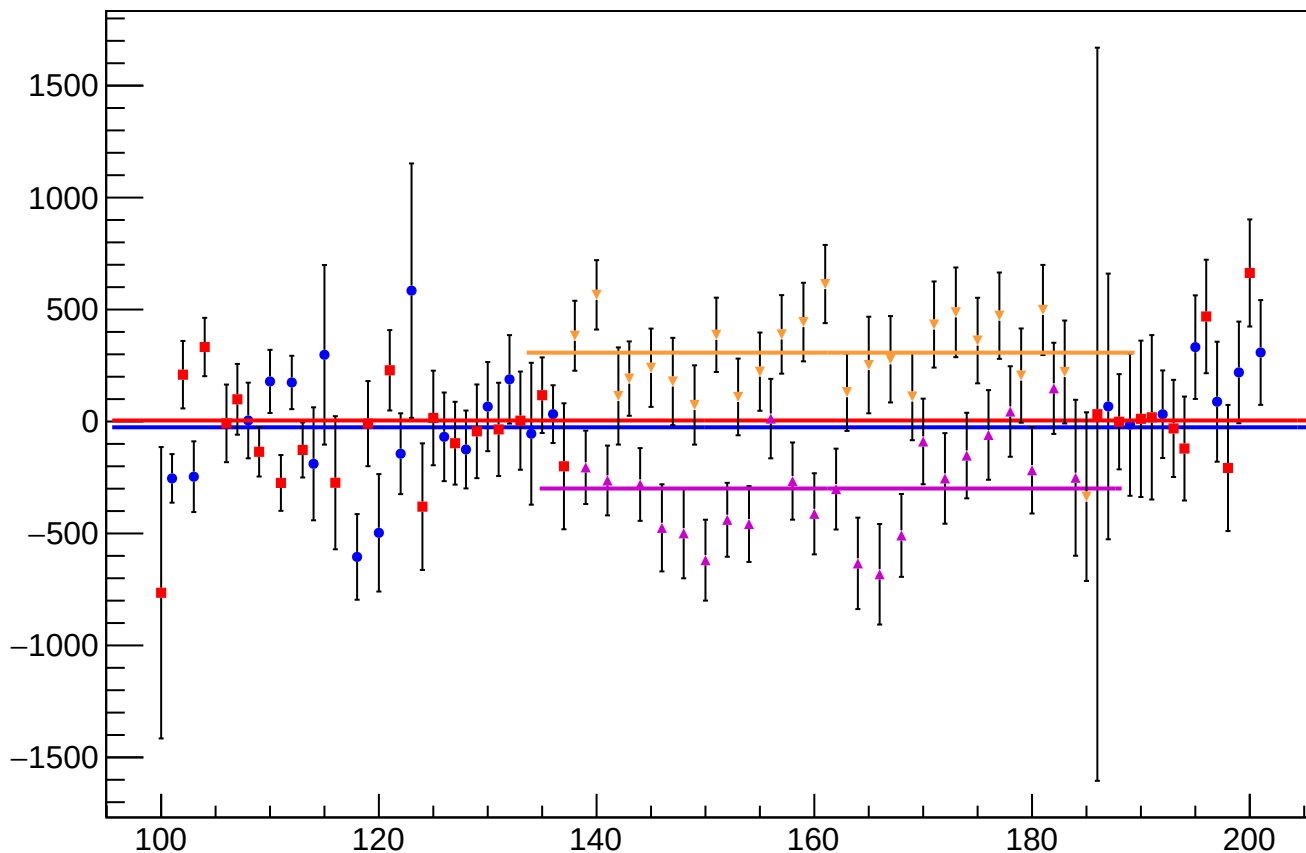
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 953.486 $\pm$ 0.141 χ^2 /NDF: 852277.5/35

All: 953.569 $\pm$ 0.100 χ^2 /NDF: 2461375.9/70

- sign 953.652 $\pm$ 0.142 χ^2 /NDF: 1609097.7/34

reg_asym_sam6_mean vs Slug



Right In: -25.895 ± 38.717 χ^2/NDF : 34.3/23

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: 4.544 ± 36.191 χ^2/NDF : 35.2/27

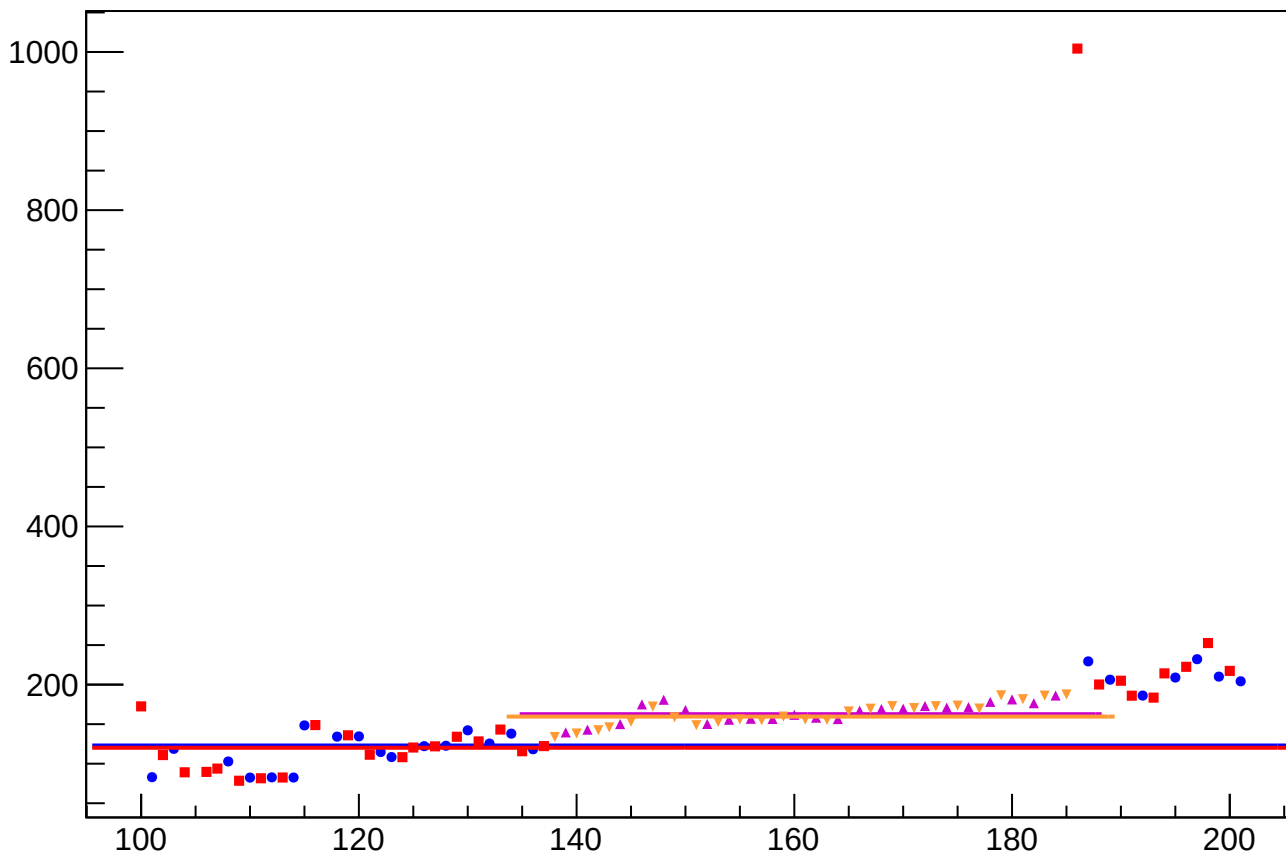
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 147.110 ± 26.854 χ^2/NDF : 93.4/48

All: 3.865 ± 18.873 χ^2/NDF : 246.0/99

- sign -135.957 ± 26.531 χ^2/NDF : 96.3/50

reg_asym_sam6_rms vs Slug



Right In: 123.003 $\pm$ 0.027 χ^2 /NDF: 2351799.2/23

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 120.170 $\pm$ 0.026 χ^2 /NDF: 3639071.1/27

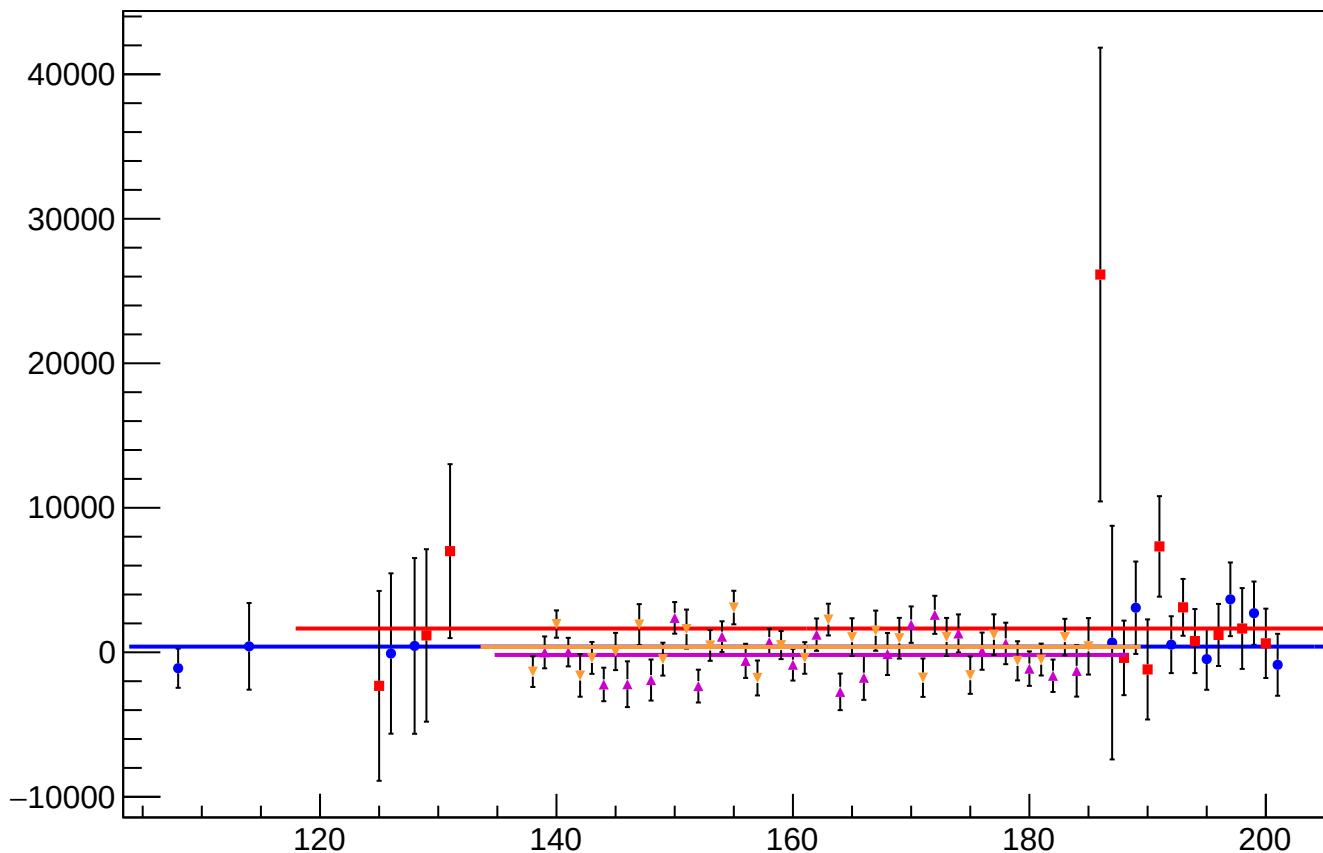
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 141.978 $\pm$ 0.019 χ^2 /NDF: 3565275.2/48

All: 140.876 $\pm$ 0.013 χ^2 /NDF: 8682541.1/99

- sign 139.800 $\pm$ 0.019 χ^2 /NDF: 5110610.1/50

asym_sam6_correction_mean vs Slug



Right In: 393.848 ± 727.925 χ^2/NDF : 5.2/10

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: 1645.060 ± 851.415 χ^2/NDF : 8.5/11

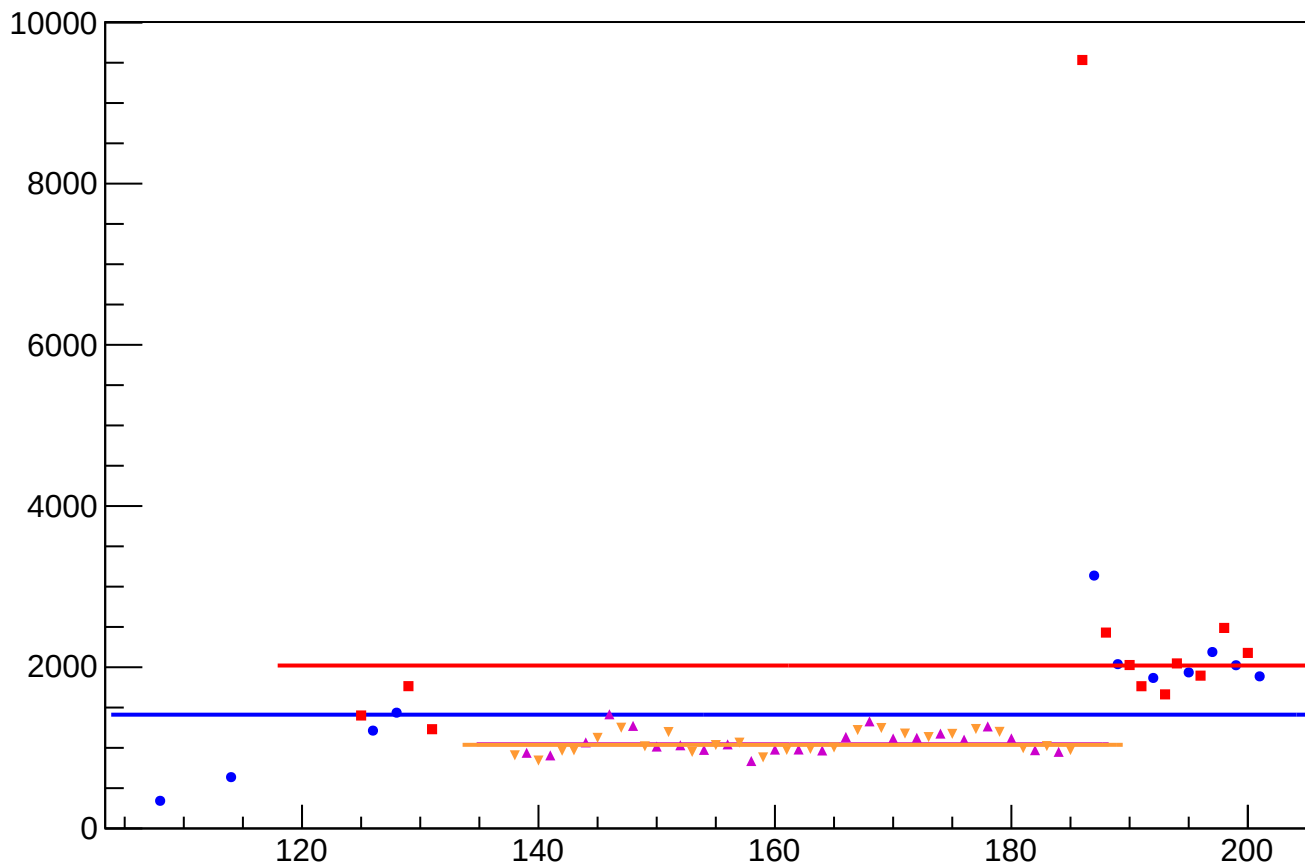
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 372.401 ± 230.940 χ^2/NDF : 35.7/35

All: 177.835 ± 167.028 χ^2/NDF : 86.4/70

- sign -35.576 ± 241.866 χ^2/NDF : 49.2/34

asym_sam6_correction_rms vs Slug



Right In: 1411.629+/-0.515 χ^2/NDF : 2215560.0/10

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 2021.397+/-0.602 χ^2/NDF : 712482.0/11

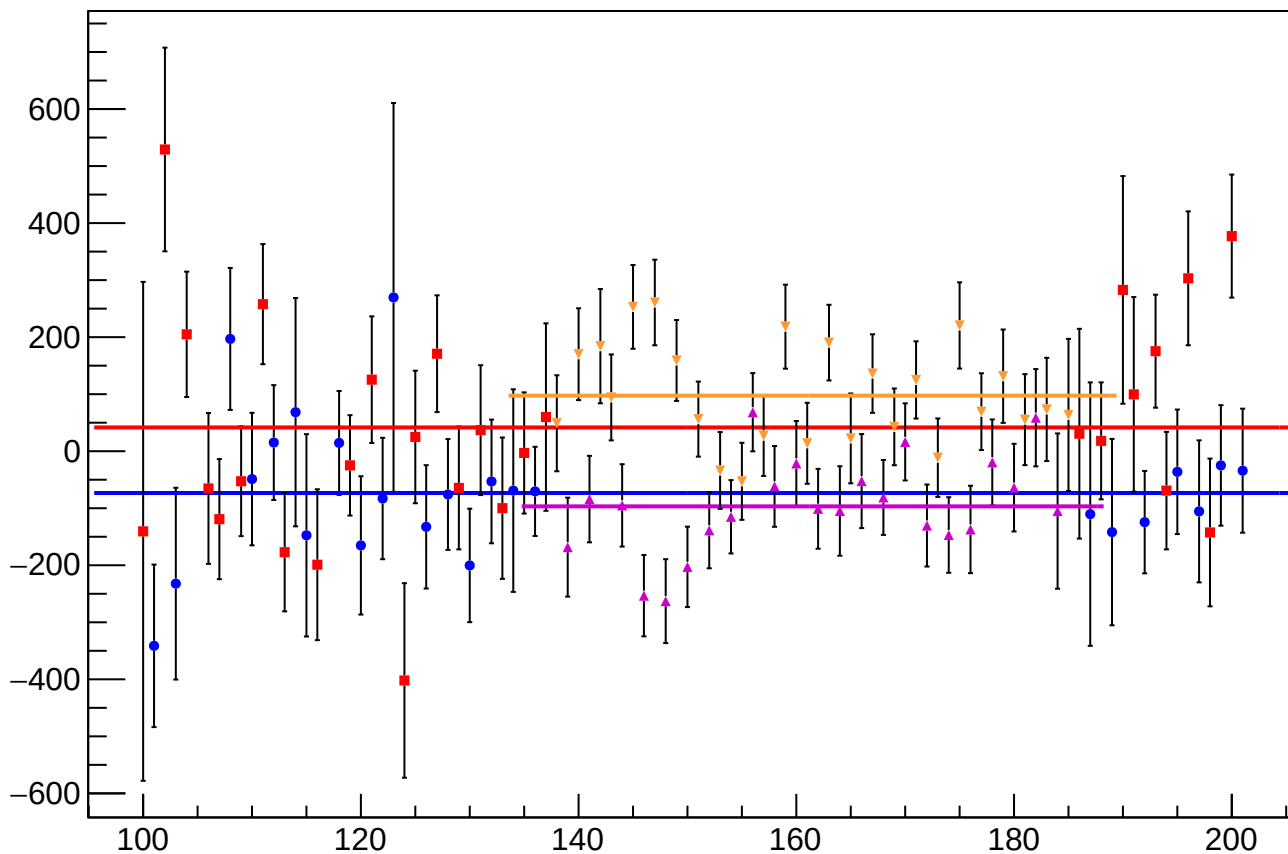
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1075.327+/-0.163 χ^2/NDF : 3185206.9/35

All: 1098.330+/-0.118 χ^2/NDF : 6901883.4/70

- sign 1123.560+/-0.171 χ^2/NDF : 3675071.2/34

reg_asym_sam7_mean vs Slug



Right In: -73.291 ± 23.977 $\chi^2/\text{NDF}: 16.2/23$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 41.685 ± 22.466 $\chi^2/\text{NDF}: 59.0/27$

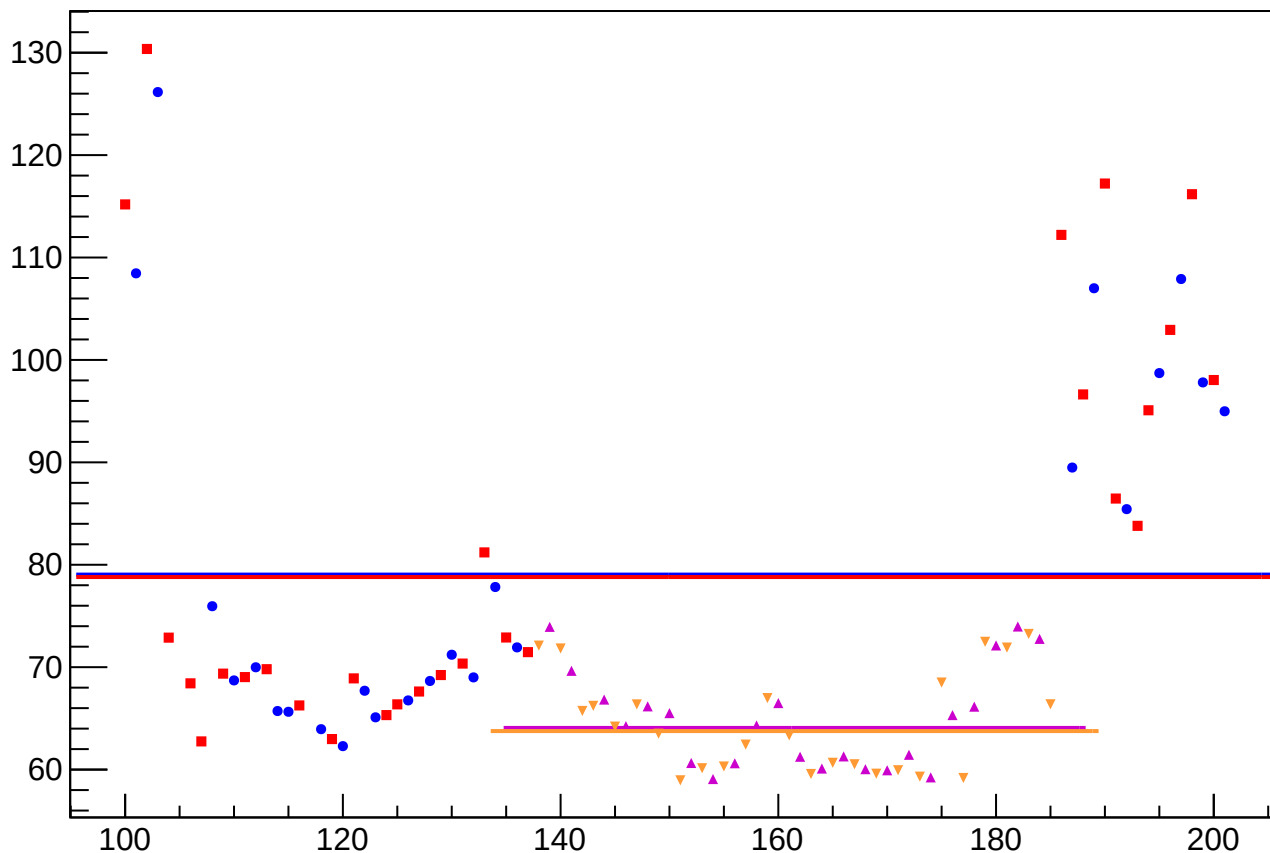
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 49.973 ± 12.643 $\chi^2/\text{NDF}: 88.8/48$

All: -1.136 ± 8.955 $\chi^2/\text{NDF}: 235.7/99$

- sign -52.585 ± 12.685 $\chi^2/\text{NDF}: 114.1/50$

reg_asym_sam7_rms vs Slug



Right In: 79.039 $\pm$ 0.017 χ^2 /NDF: 860887.0/23

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF:192803.8/24

Right Out: 78.801 $\pm$ 0.016 χ^2 /NDF: 1066471.1/27

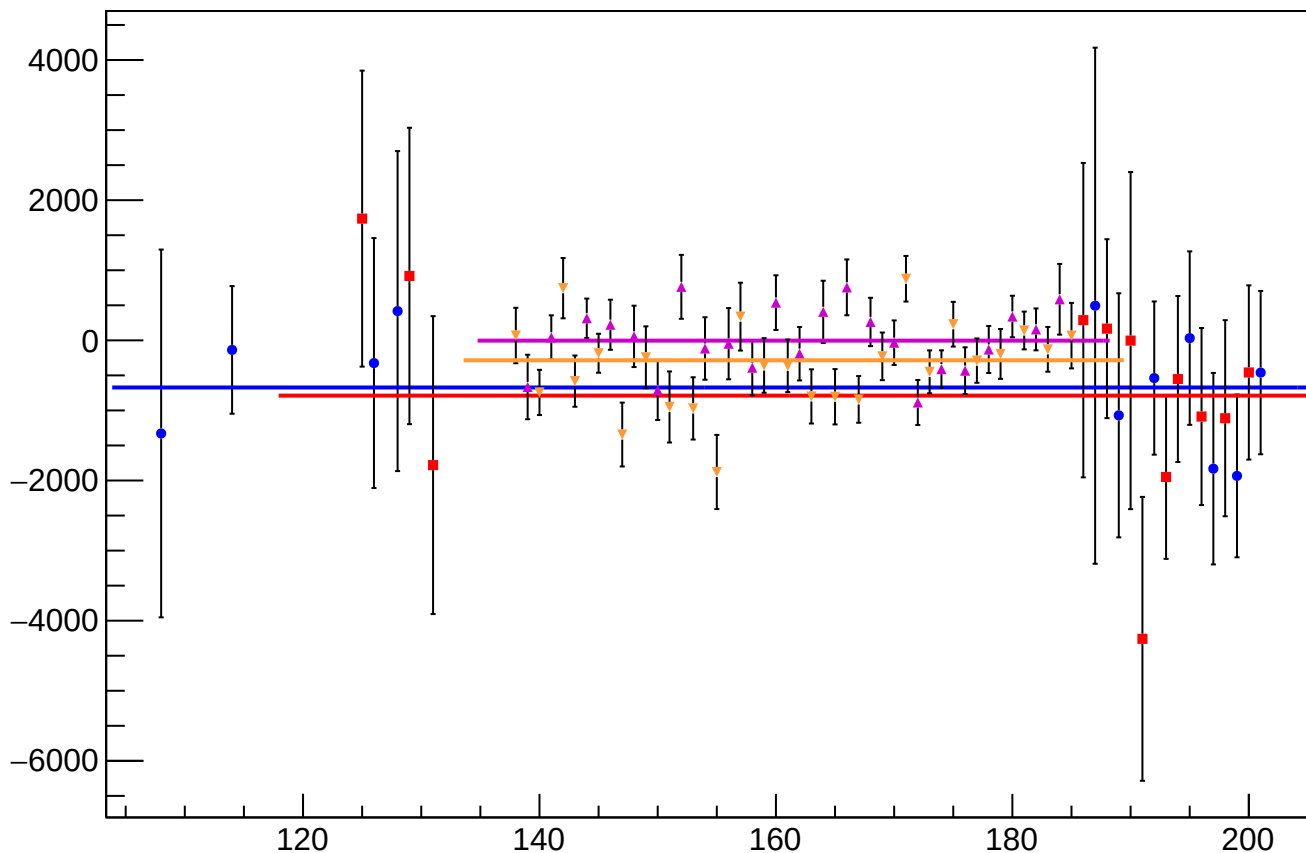
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF:164660.4/22

+ sign 68.009 $\pm$ 0.009 χ^2 /NDF: 1639972.2/48

All: 68.386 $\pm$ 0.006 χ^2 /NDF: 3460569.3/99

- sign 68.765 $\pm$ 0.009 χ^2 /NDF: 1817030.6/50

asym_sam7_correction_mean vs Slug



Right In: -672.683 ± 416.528 χ^2/NDF : 3.1/10

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -788.654 ± 441.618 χ^2/NDF : 7.3/11

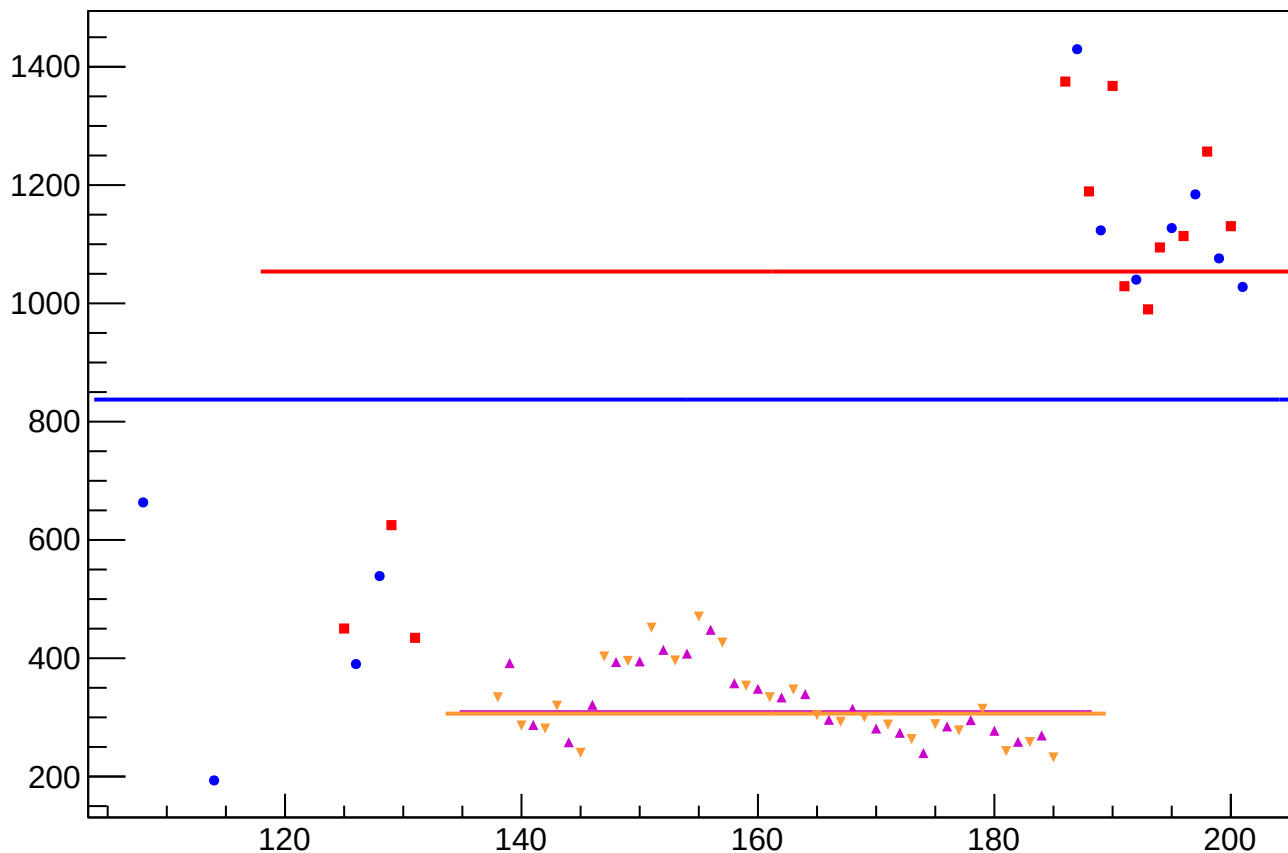
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -295.795 ± 71.648 χ^2/NDF : 59.0/35

All: -165.332 ± 51.482 χ^2/NDF : 108.6/70

- sign -26.081 ± 74.022 χ^2/NDF : 42.8/34

asym_sam7_correction_rms vs Slug



Right In: 837.348+/-0.295 χ^2/NDF : 1720157.4/10

Left Out: 306.363+/-0.051 χ^2/NDF :1215669.9/24

Right Out: 1053.823+/-0.312 χ^2/NDF : 575775.1/11

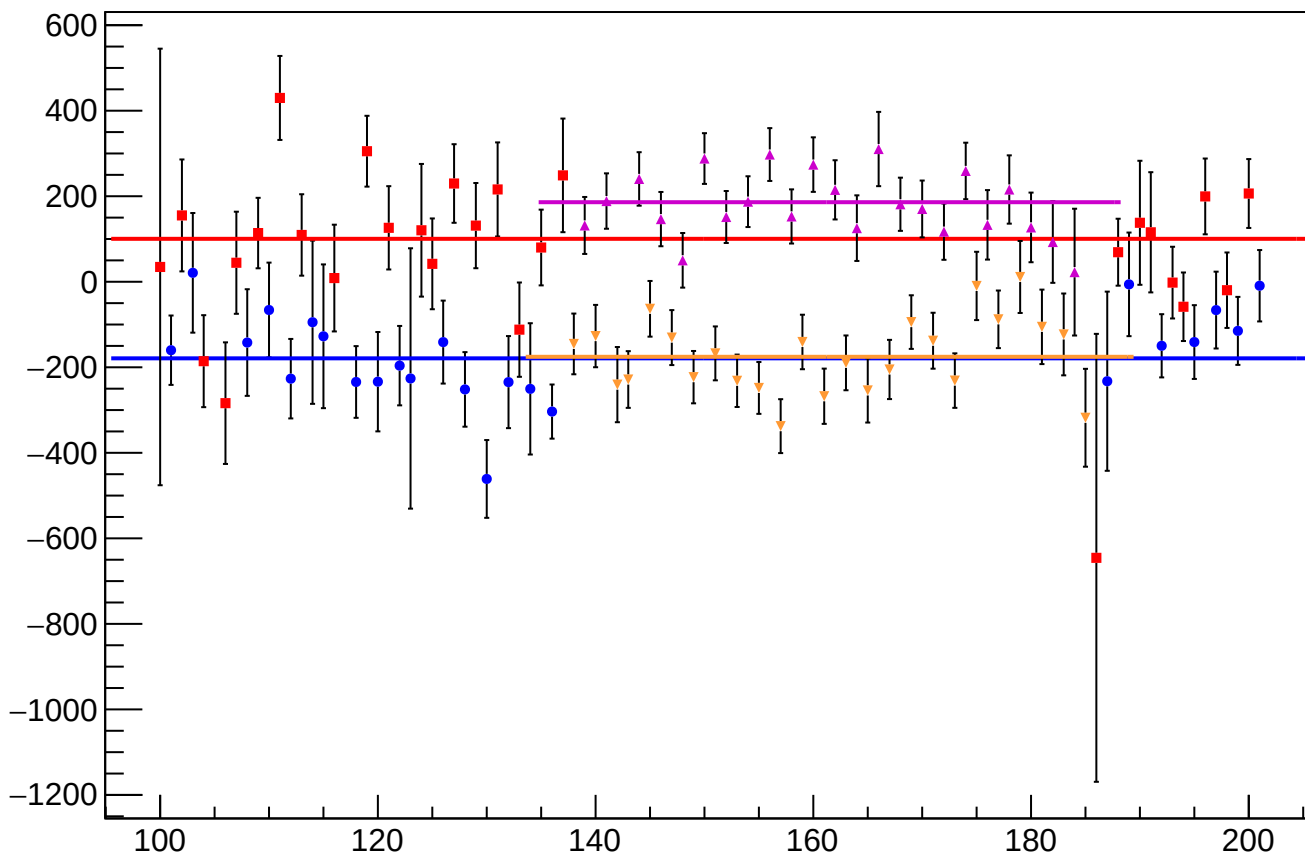
Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

+ sign 322.074+/-0.051 χ^2/NDF : 6089825.6/35

All: 325.743+/-0.036 χ^2/NDF : 13212709.2/70

- sign 329.660+/-0.052 χ^2/NDF : 7112038.2/34

reg_asym_sam8_mean vs Slug



Right In: -179.069 ± 20.237 χ^2/NDF : 28.1/23

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 100.421 ± 19.549 χ^2/NDF : 53.8/27

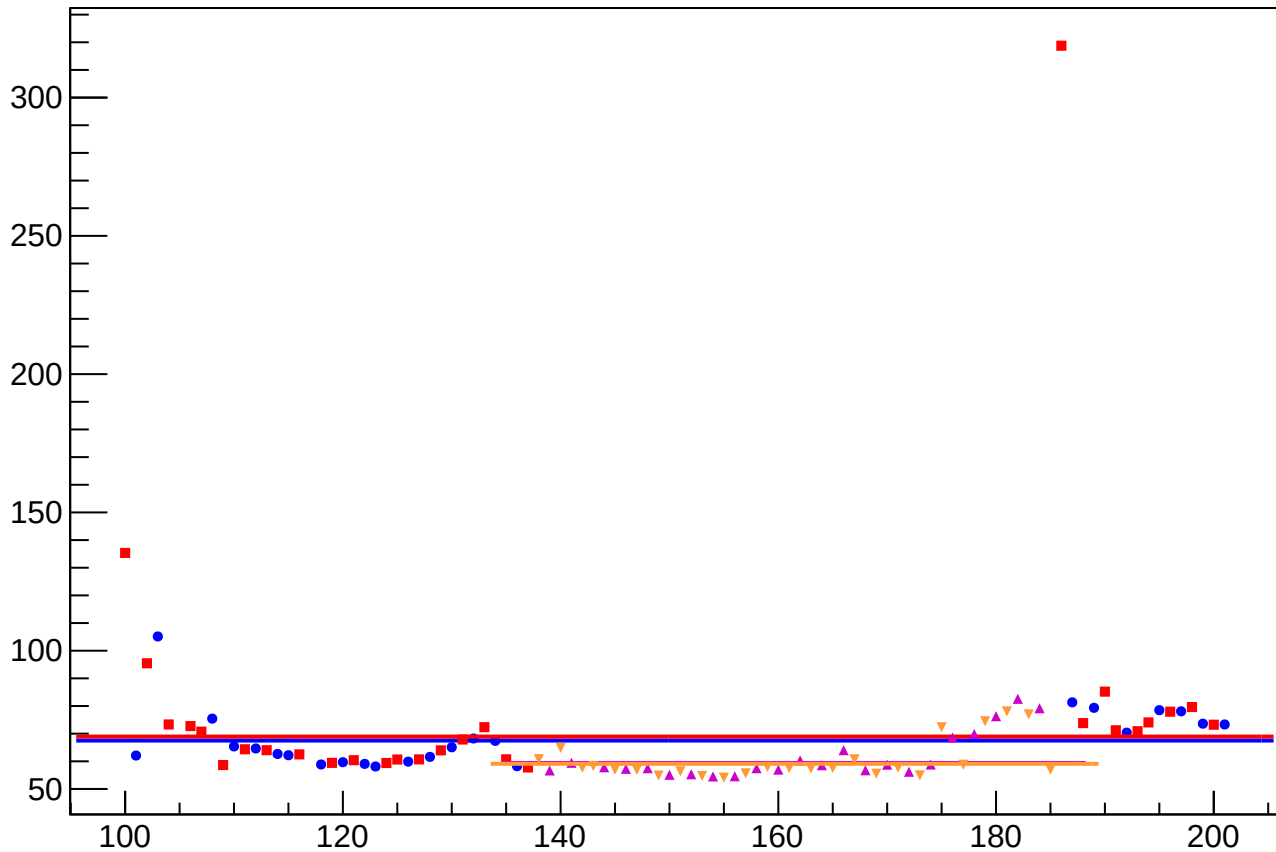
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -176.618 ± 11.427 χ^2/NDF : 62.8/48

All: -12.005 ± 8.123 χ^2/NDF : 572.2/99

- sign 156.159 ± 11.550 χ^2/NDF : 89.9/50

reg_asym_sam8_rms vs Slug



Right In: 67.507 ± 0.014 χ^2/NDF : 394788.2/23

Left Out: 59.099 ± 0.010 χ^2/NDF : 369788.6/24

Right Out: 68.951 ± 0.014 χ^2/NDF : 836603.1/27

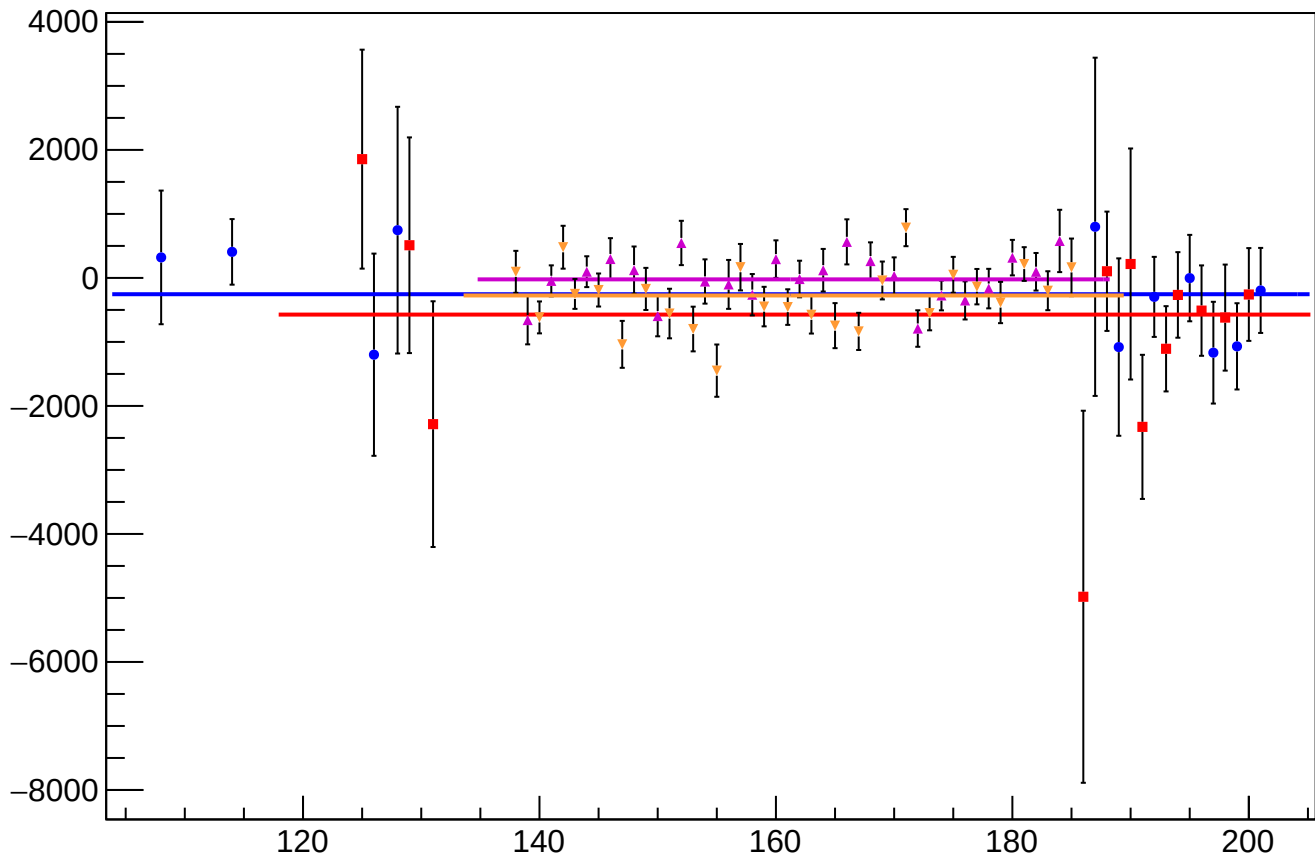
Left In: 59.410 ± 0.010 χ^2/NDF : 373052.7/22

+ sign 61.780 ± 0.008 χ^2/NDF : 999716.8/48

All: 62.255 ± 0.006 χ^2/NDF : 2526482.4/99

- sign 62.741 ± 0.008 χ^2/NDF : 1519772.5/50

asym_sam8_correction_mean vs Slug



Right In: -254.616 ± 243.509 χ^2/NDF : 6.0/10

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -572.852 ± 275.339 χ^2/NDF : 9.7/11

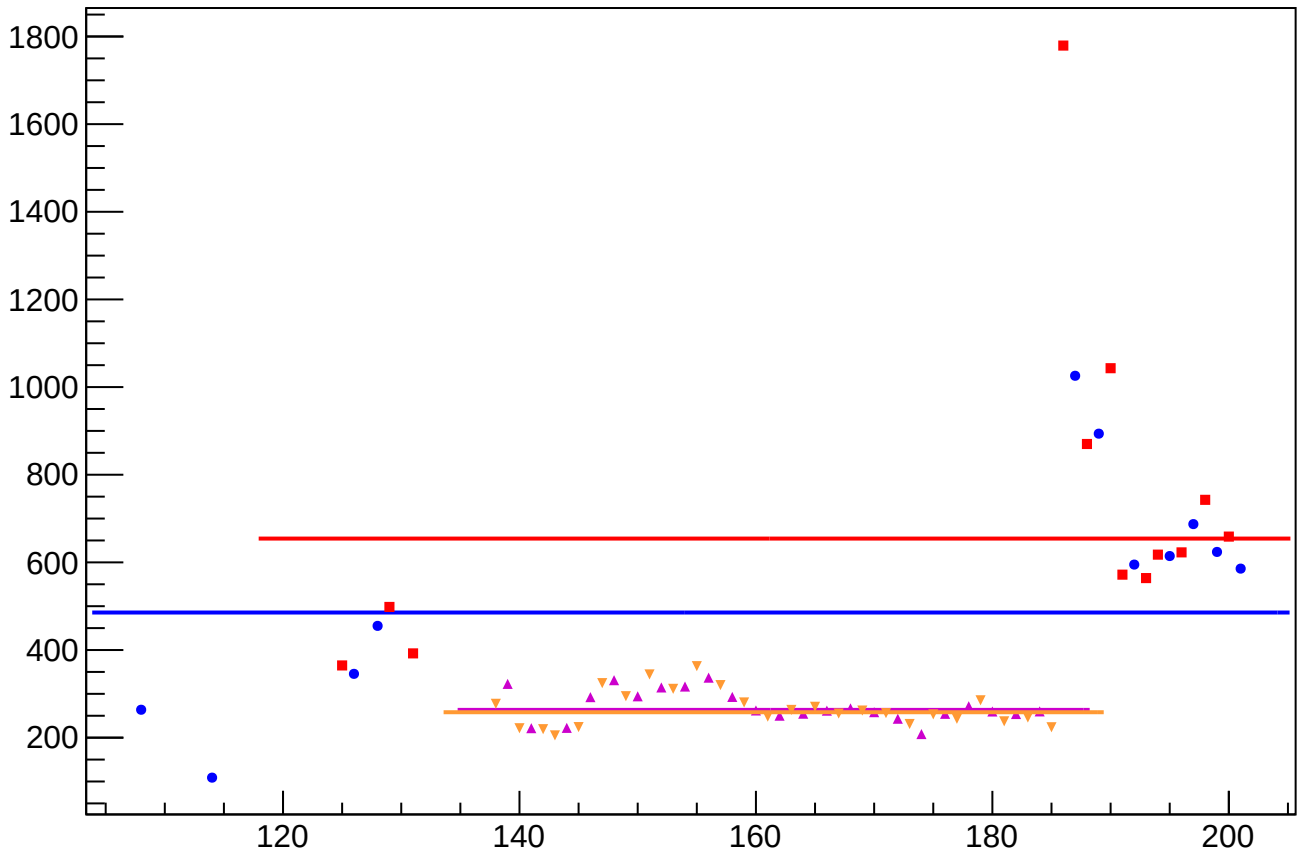
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -272.948 ± 58.988 χ^2/NDF : 60.0/35

All: -167.290 ± 42.739 χ^2/NDF : 109.1/70

- sign -50.537 ± 62.008 χ^2/NDF : 42.4/34

asym_sam8_correction_rms vs Slug



Right In: 485.569 $\pm$ 0.172 χ^2 /NDF: 1838016.4/10

Left Out: 258.040 $\pm$ 0.043 χ^2 /NDF: 724823.3/24

Right Out: 654.309 $\pm$ 0.195 χ^2 /NDF: 691562.1/11

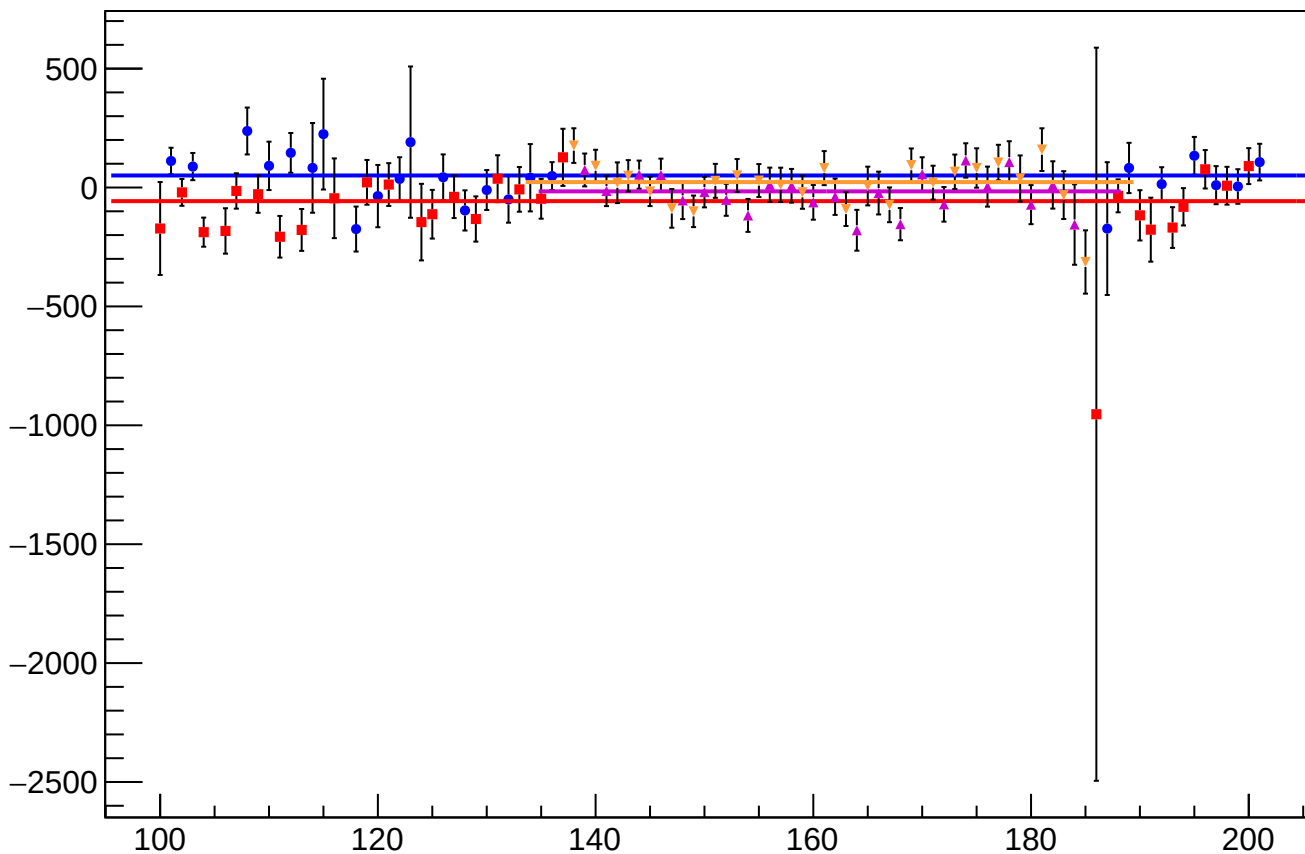
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 271.392 $\pm$ 0.042 χ^2 /NDF: 4206500.5/35

All: 277.012 $\pm$ 0.030 χ^2 /NDF: 9348783.6/70

- sign 283.223 $\pm$ 0.044 χ^2 /NDF: 5104064.1/34

reg_asym_sam_15_avg_mean vs Slug



Right In: 50.614 ± 17.885 $\chi^2/\text{NDF}: 21.5/23$

Left Out: 22.871 ± 14.968 $\chi^2/\text{NDF}: 29.0/24$

Right Out: -57.269 ± 16.833 $\chi^2/\text{NDF}: 29.0/27$

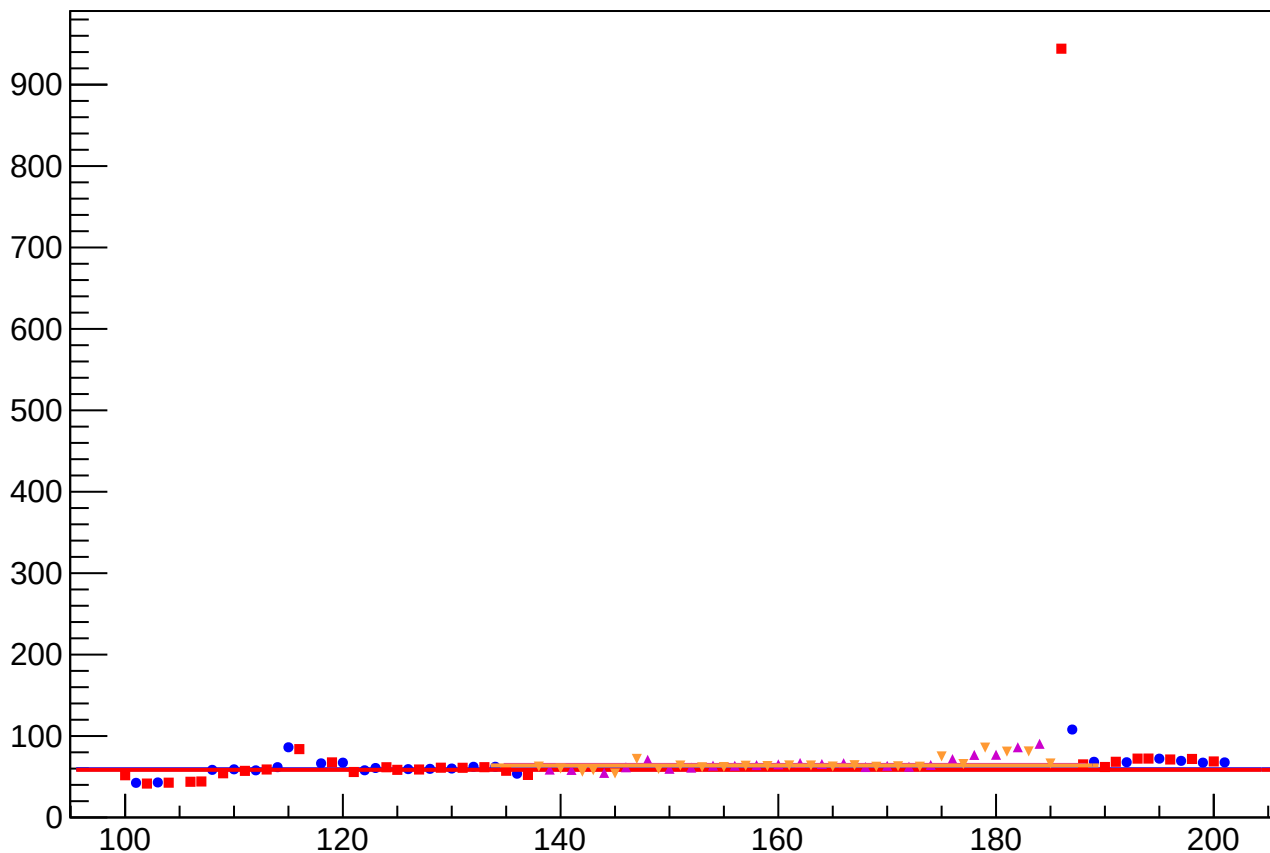
Left In: -16.198 ± 15.531 $\chi^2/\text{NDF}: 23.3/22$

+ sign 34.298 ± 11.478 $\chi^2/\text{NDF}: 51.9/48$

All: -0.587 ± 8.094 $\chi^2/\text{NDF}: 125.8/99$

- sign -35.084 ± 11.414 $\chi^2/\text{NDF}: 55.5/50$

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.187 $\pm$ 0.013 χ^2 /NDF: 649910.4/23

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 58.488 $\pm$ 0.012 χ^2 /NDF: 1469278.4/27

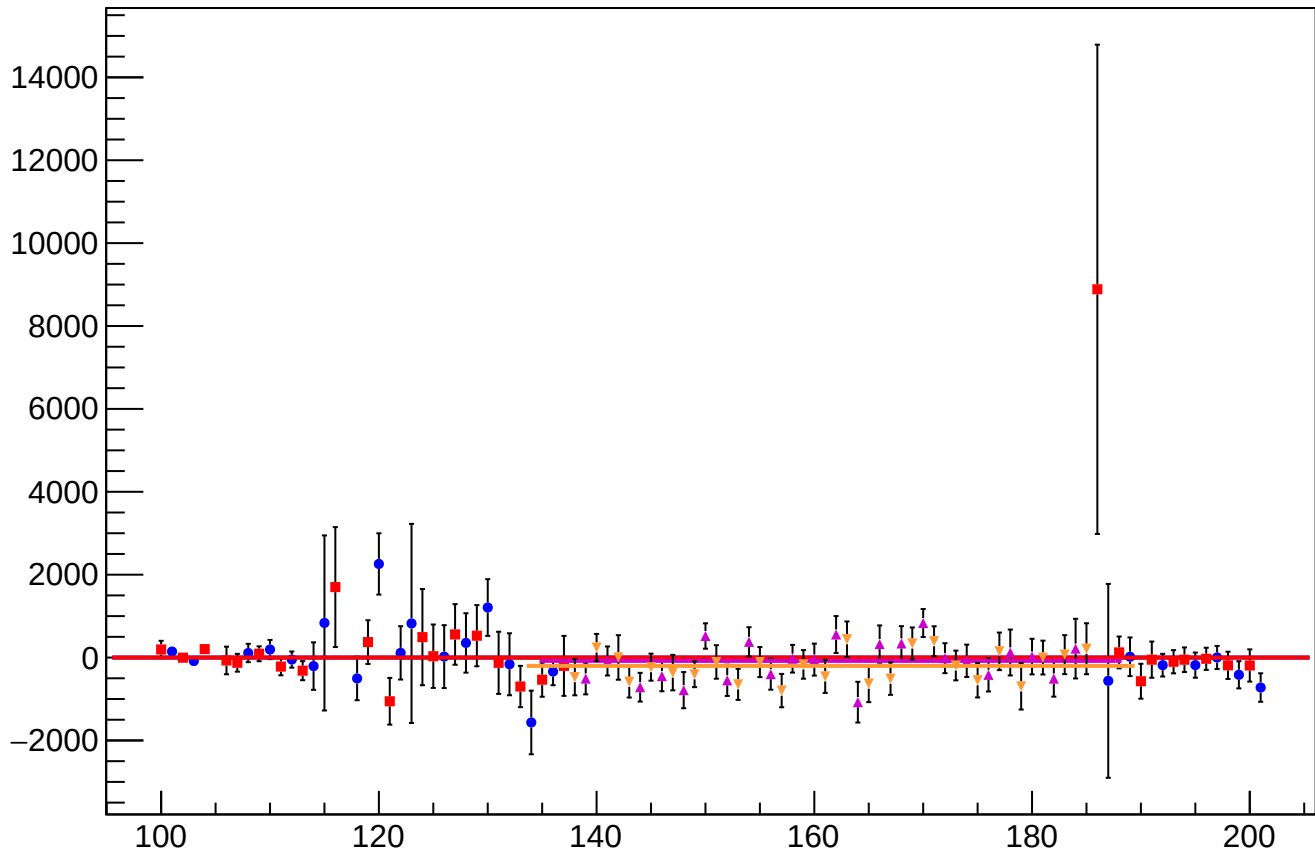
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.971 $\pm$ 0.008 χ^2 /NDF: 1127676.2/48

All: 61.855 $\pm$ 0.006 χ^2 /NDF: 3106183.1/99

- sign 61.741 $\pm$ 0.008 χ^2 /NDF: 1978105.5/50

asym_sam_15_avg_correction_mean vs Slug



Right In: 0.630 ± 47.902 χ^2/NDF : 31.3/23

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -0.313 ± 48.572 χ^2/NDF : 23.9/27

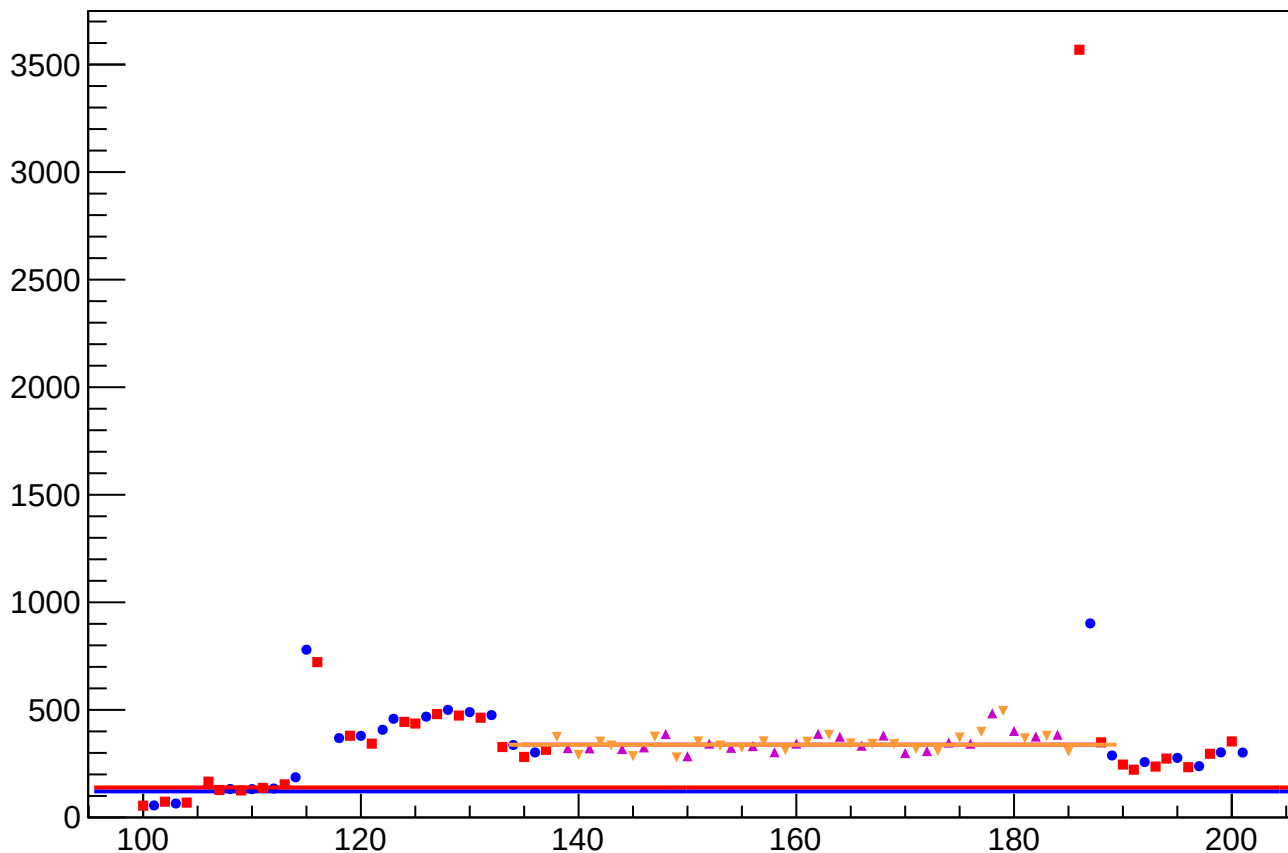
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -53.049 ± 41.036 χ^2/NDF : 55.7/48

All: -37.349 ± 29.270 χ^2/NDF : 114.0/99

- sign -21.089 ± 41.762 χ^2/NDF : 58.0/50

asym_sam_15_avg_correction_rms vs Slug



Right In: 121.220 $\pm$ 0.034 χ^2 /NDF: 9265130.8/23

Left Out: 338.130 $\pm$ 0.056 χ^2 /NDF: 498601.7/24

Right Out: 139.493 $\pm$ 0.034 χ^2 /NDF: 8954220.7/27

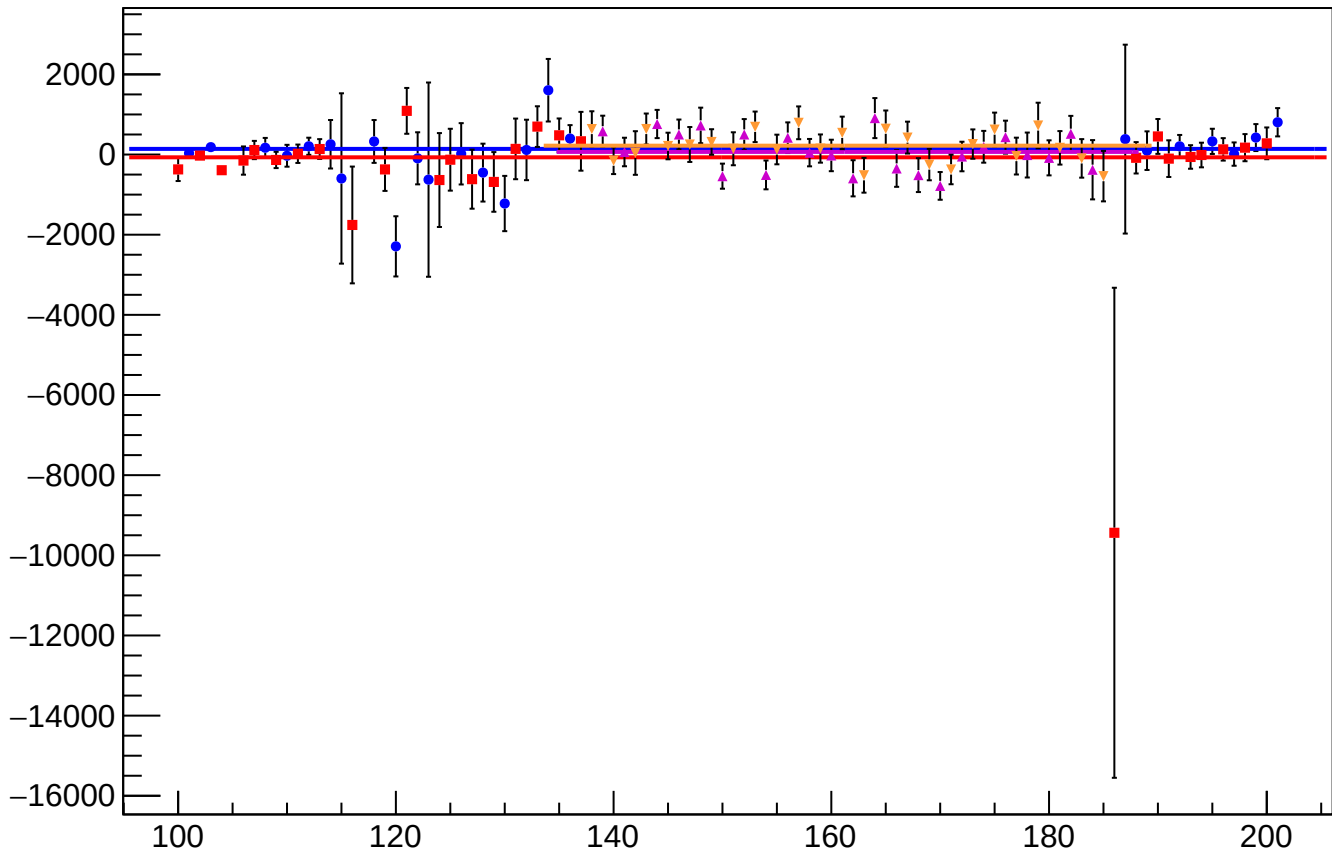
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 178.943 $\pm$ 0.029 χ^2 /NDF: 20676900.7/48

All: 185.064 $\pm$ 0.021 χ^2 /NDF: 38919320.4/99

- sign 191.404 $\pm$ 0.030 χ^2 /NDF: 18151824.6/50

asym_sam_15_avg_mean vs Slug



Right In: 141.043 $\pm$ 57.145 χ^2 /NDF: 26.2/23

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF: 19.7/24

Right Out: -69.308 $\pm$ 54.517 χ^2 /NDF: 27.2/27

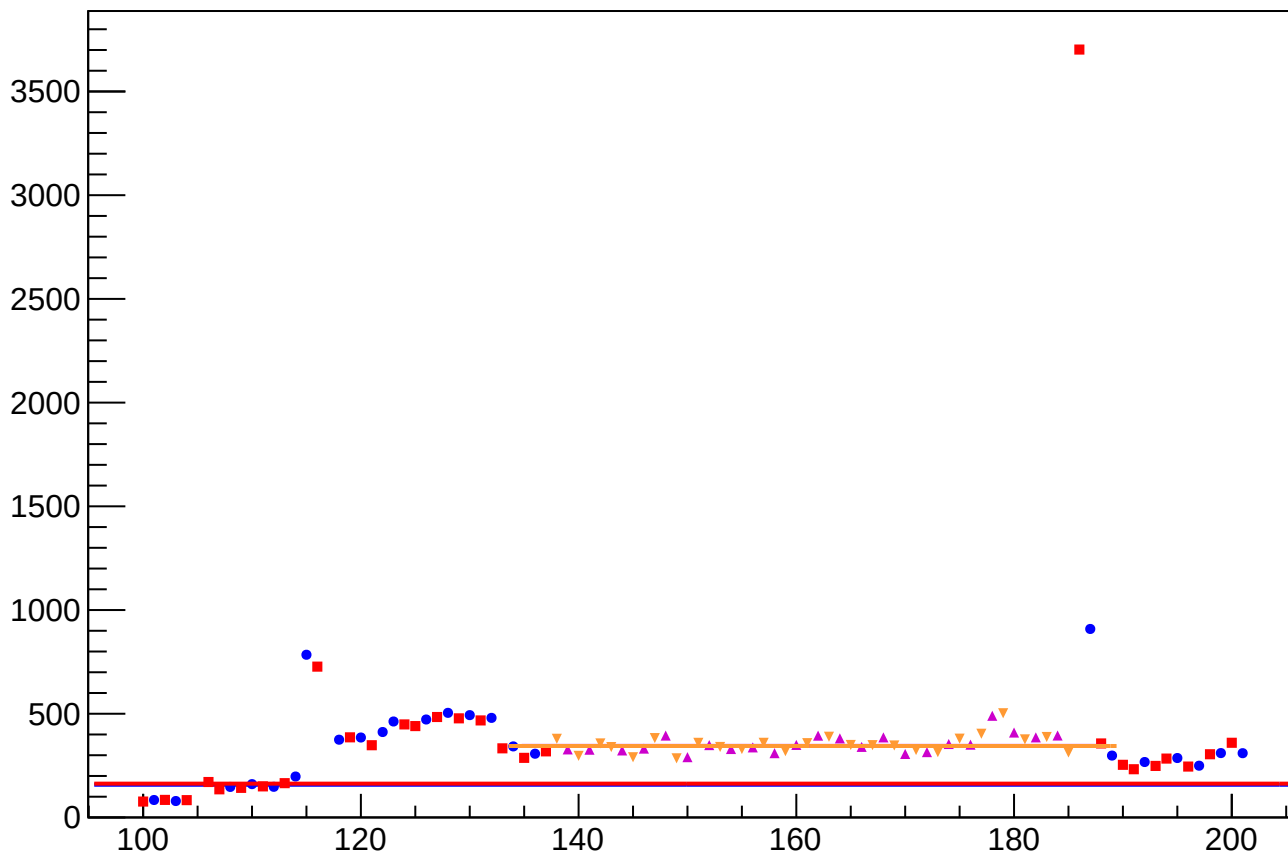
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF: 34.0/22

+ sign 167.633 $\pm$ 46.697 χ^2 /NDF: 46.6/48

All: 67.077 $\pm$ 32.632 χ^2 /NDF: 118.6/99

- sign -28.891 $\pm$ 45.619 χ^2 /NDF: 63.0/50

asym_sam_15_avg_rms vs Slug



Right In: 157.619 $\pm$ 0.040 χ^2 /NDF: 7153246.2/23

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF: 488323.4/24

Right Out: 163.011 $\pm$ 0.039 χ^2 /NDF: 7610795.0/27

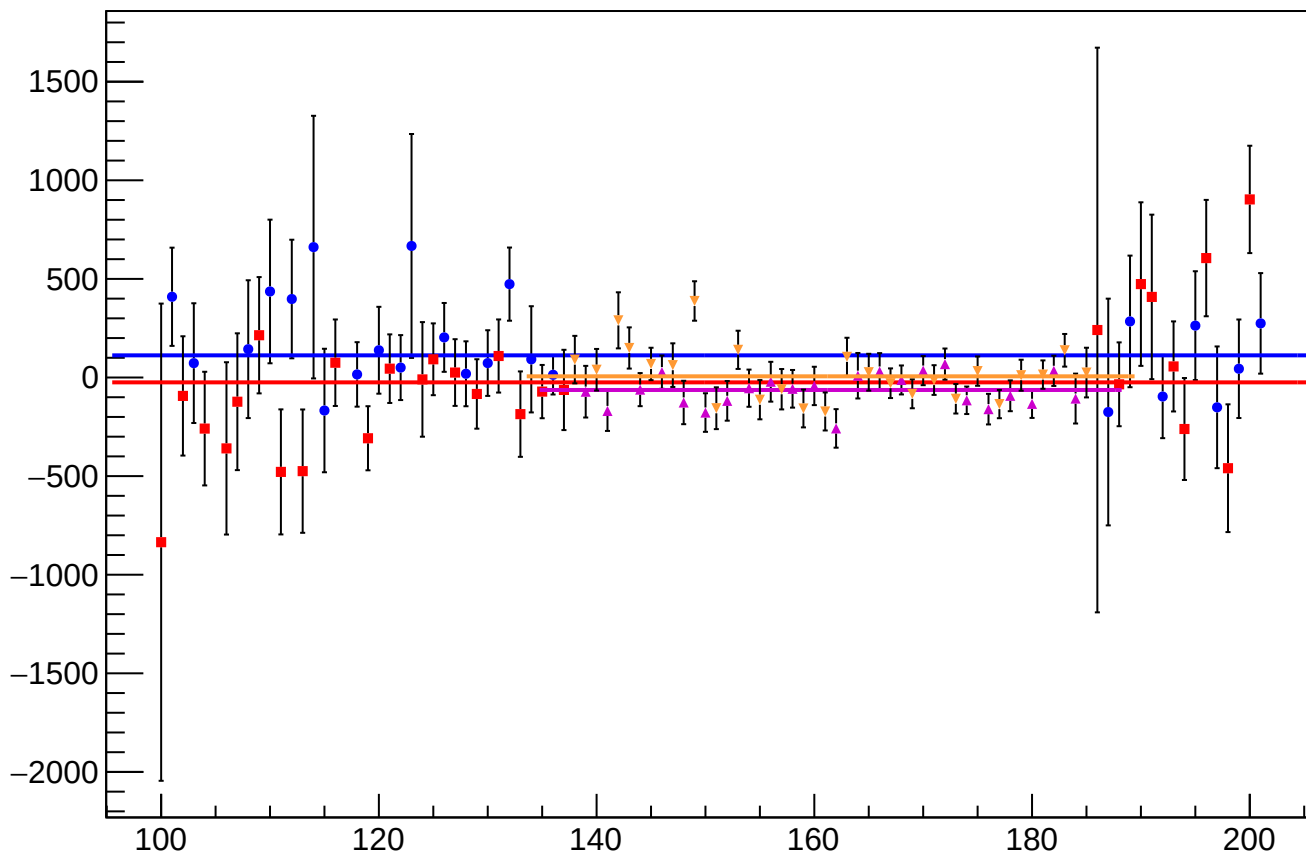
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 219.706 $\pm$ 0.033 χ^2 /NDF: 14748040.8/48

All: 218.619 $\pm$ 0.023 χ^2 /NDF: 29472538.7/99

- sign 217.581 $\pm$ 0.032 χ^2 /NDF: 14722378.9/50

reg_asym_sam_26_avg_mean vs Slug



Right In: 112.379 ± 44.605 $\chi^2/\text{NDF}: 14.5/23$

Left Out: 6.020 ± 17.910 $\chi^2/\text{NDF}: 46.0/24$

Right Out: -24.625 ± 44.631 $\chi^2/\text{NDF}: 33.4/27$

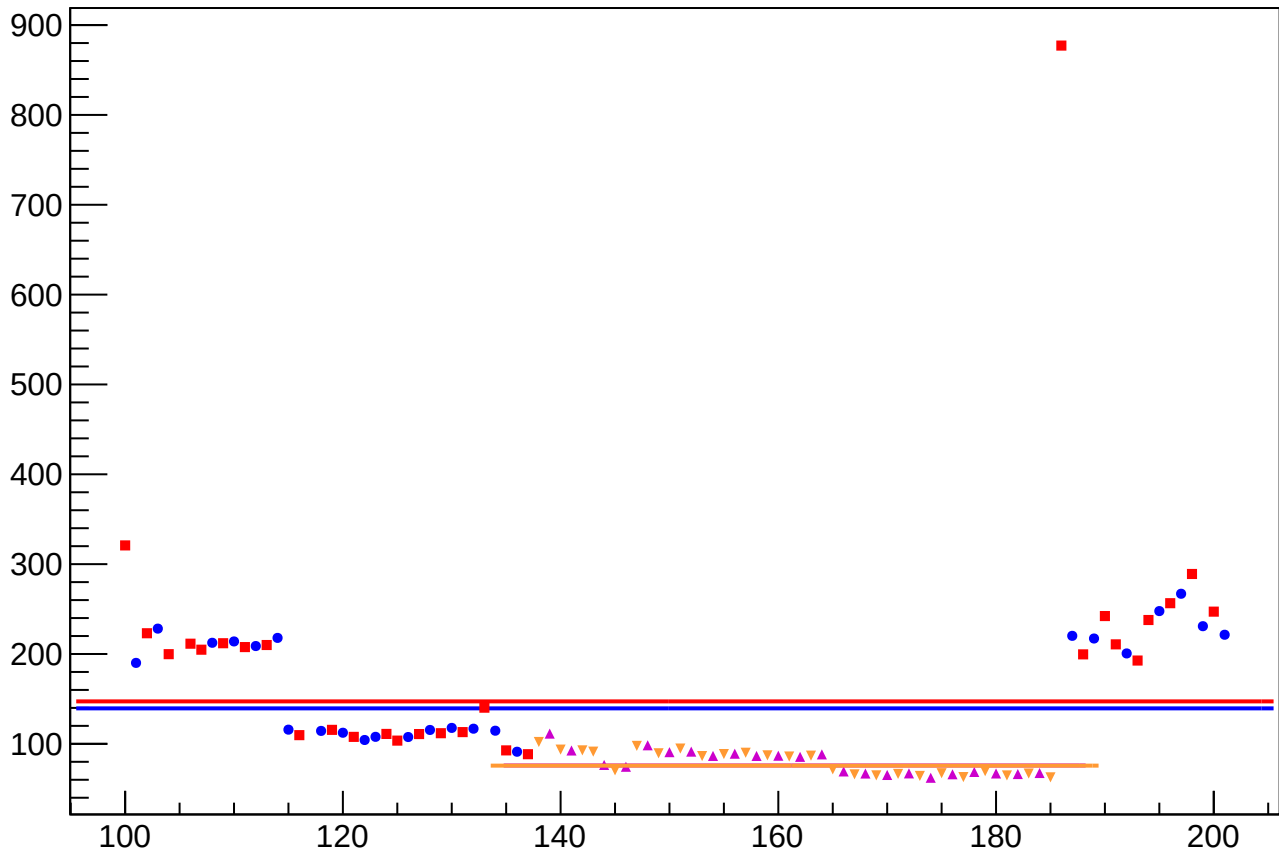
Left In: -63.279 ± 18.447 $\chi^2/\text{NDF}: 19.8/22$

+ sign 20.786 ± 16.620 $\chi^2/\text{NDF}: 65.4/48$

All: -17.431 ± 11.901 $\chi^2/\text{NDF}: 130.1/99$

- sign -57.639 ± 17.048 $\chi^2/\text{NDF}: 53.8/50$

reg_asym_sam_26_avg_rms vs Slug



Right In: 139.469 $\pm$ 0.032 χ^2 /NDF: 2843075.6/23

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF: 937821.8/24

Right Out: 147.247 $\pm$ 0.032 χ^2 /NDF: 3745824.5/27

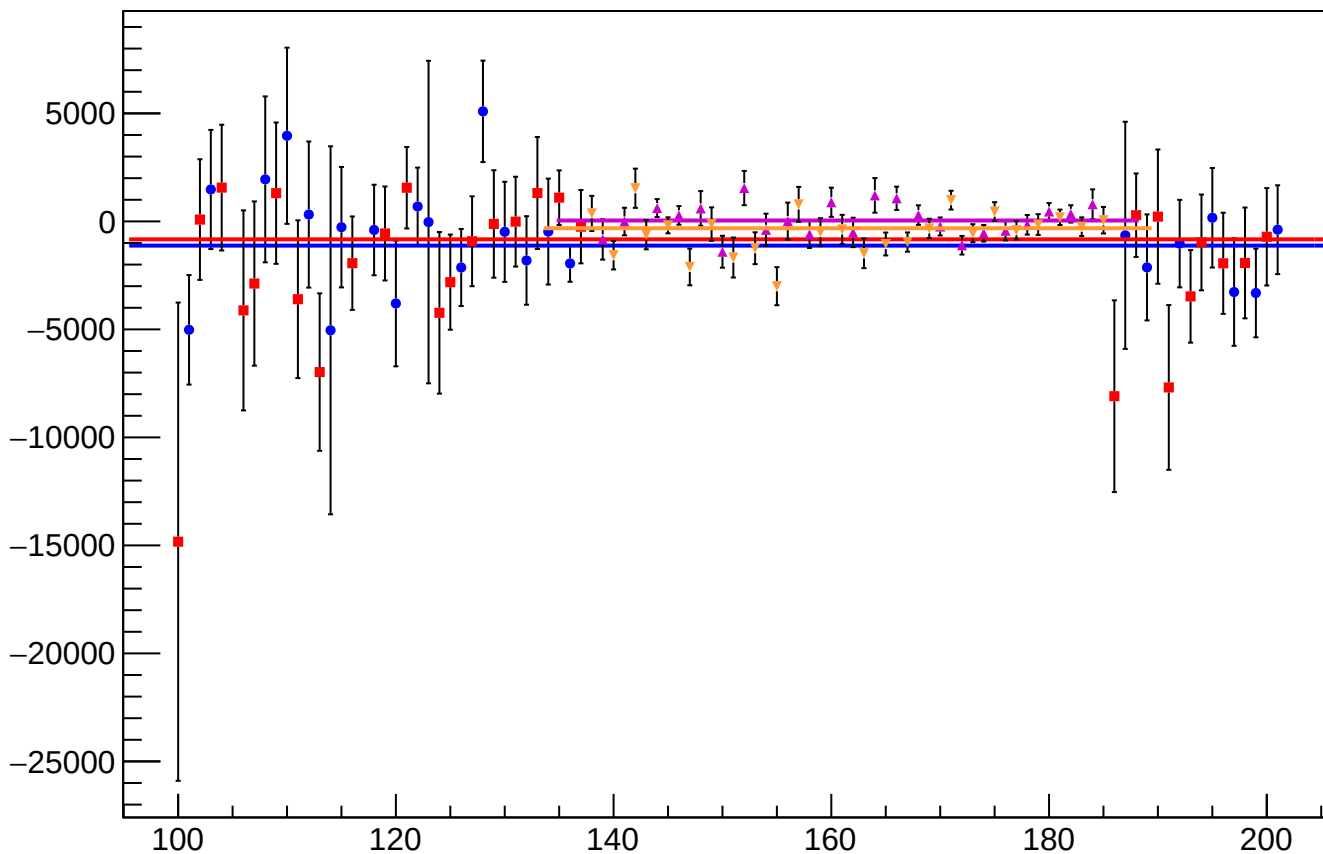
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF: 831366.4/22

+ sign 84.590 $\pm$ 0.012 χ^2 /NDF: 7296398.3/48

All: 85.432 $\pm$ 0.008 χ^2 /NDF: 16248296.0/99

- sign 86.318 $\pm$ 0.012 χ^2 /NDF: 8941367.6/50

asym_sam_26_avg_correction_mean vs Slug



Right In: -1121.239 ± 444.411 χ^2/NDF : 19.0/23

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -831.850 ± 456.995 χ^2/NDF : 22.2/27

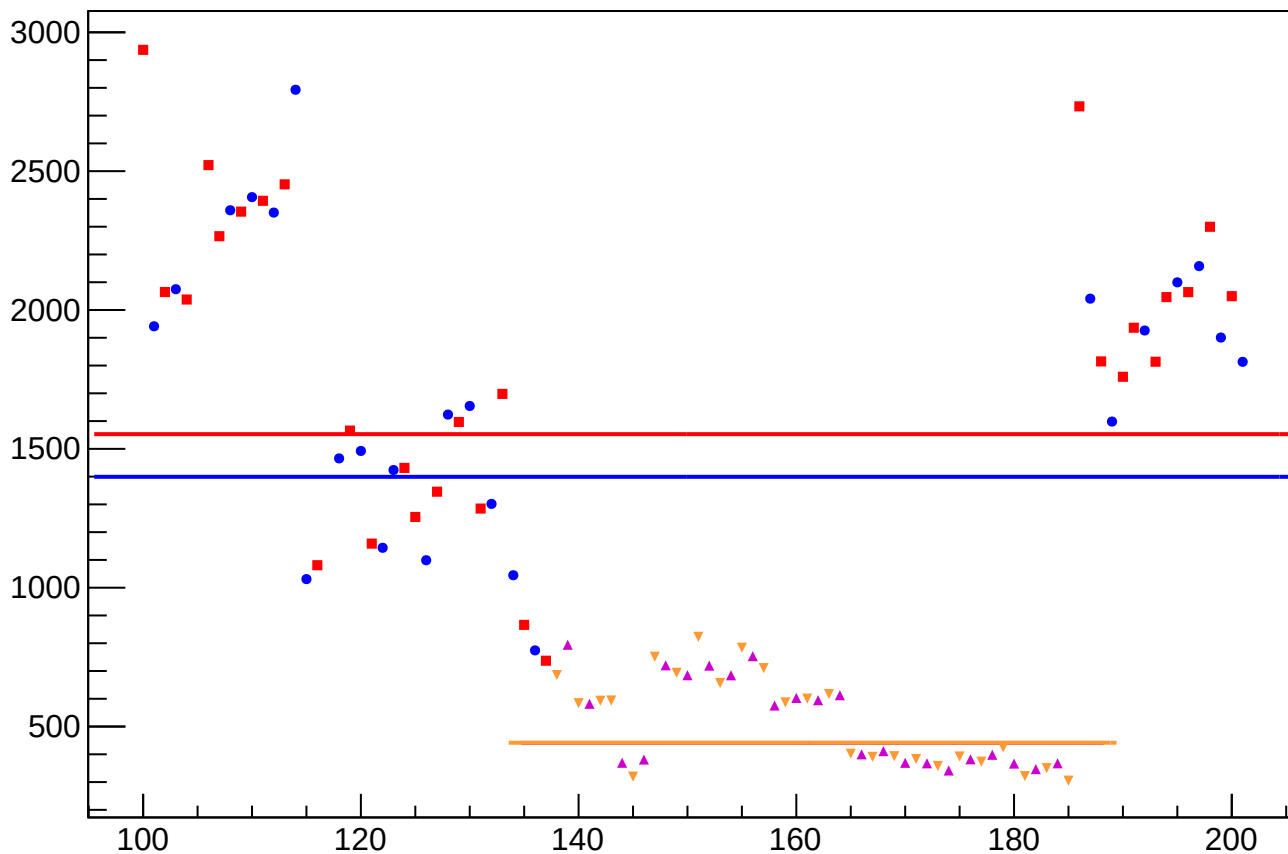
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -362.864 ± 104.958 χ^2/NDF : 72.1/48

All: -188.903 ± 74.989 χ^2/NDF : 138.1/99

- sign -7.507 ± 107.177 χ^2/NDF : 60.4/50

asym_sam_26_avg_correction_rms vs Slug



Right In: 1399.324+/-0.314 χ^2/NDF : 2730553.7/23

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

Right Out: 1552.953+/-0.323 χ^2/NDF : 2692490.5/27

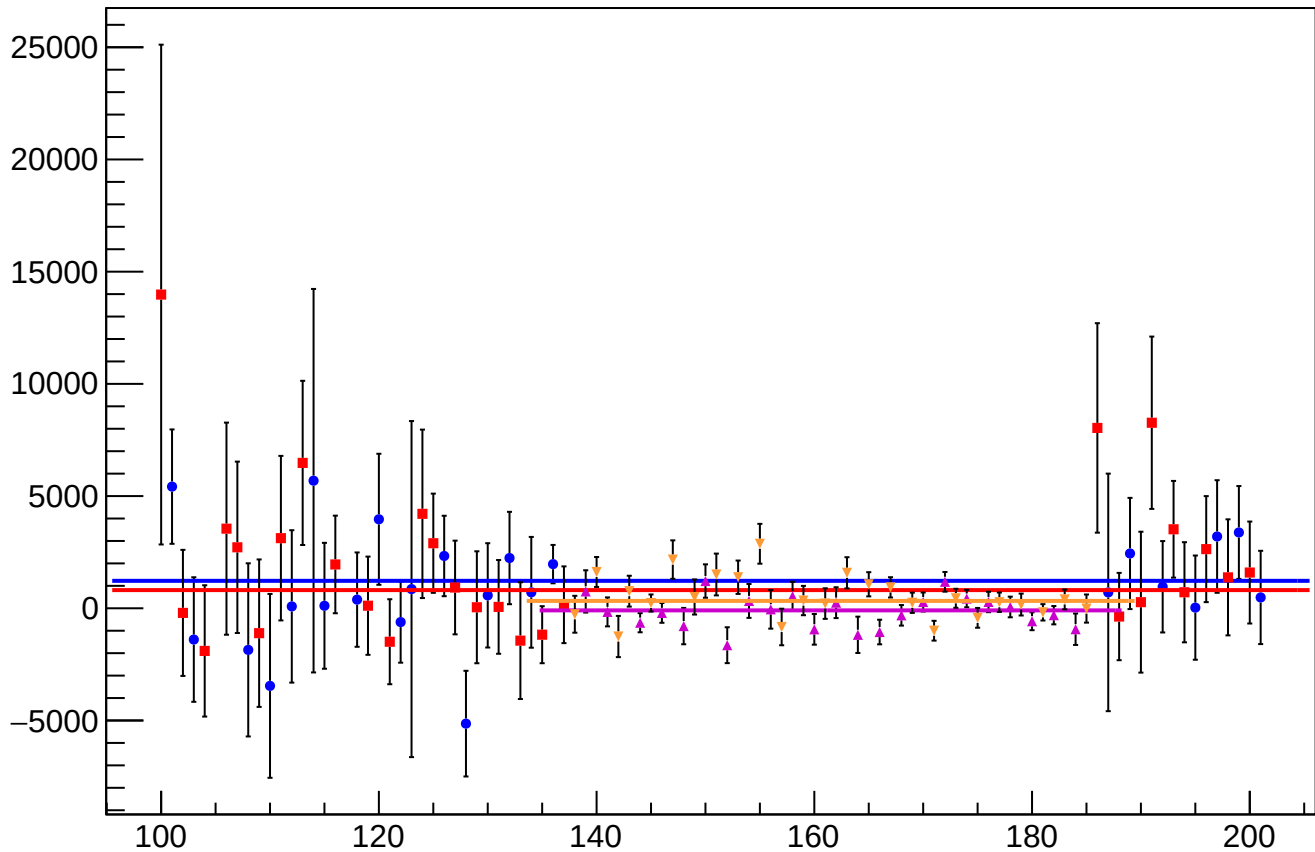
Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

+ sign 495.100+/-0.074 χ^2/NDF : 14668474.2/48

All: 498.560+/-0.053 χ^2/NDF : 31151755.4/99

- sign 502.169+/-0.076 χ^2/NDF : 16478840.1/50

asym_sam_26_avg_mean vs Slug



Right In: 1223.148 $\pm$ 447.203 χ^2 /NDF: 19.3/23

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: 810.317 $\pm$ 459.873 χ^2 /NDF: 22.2/27

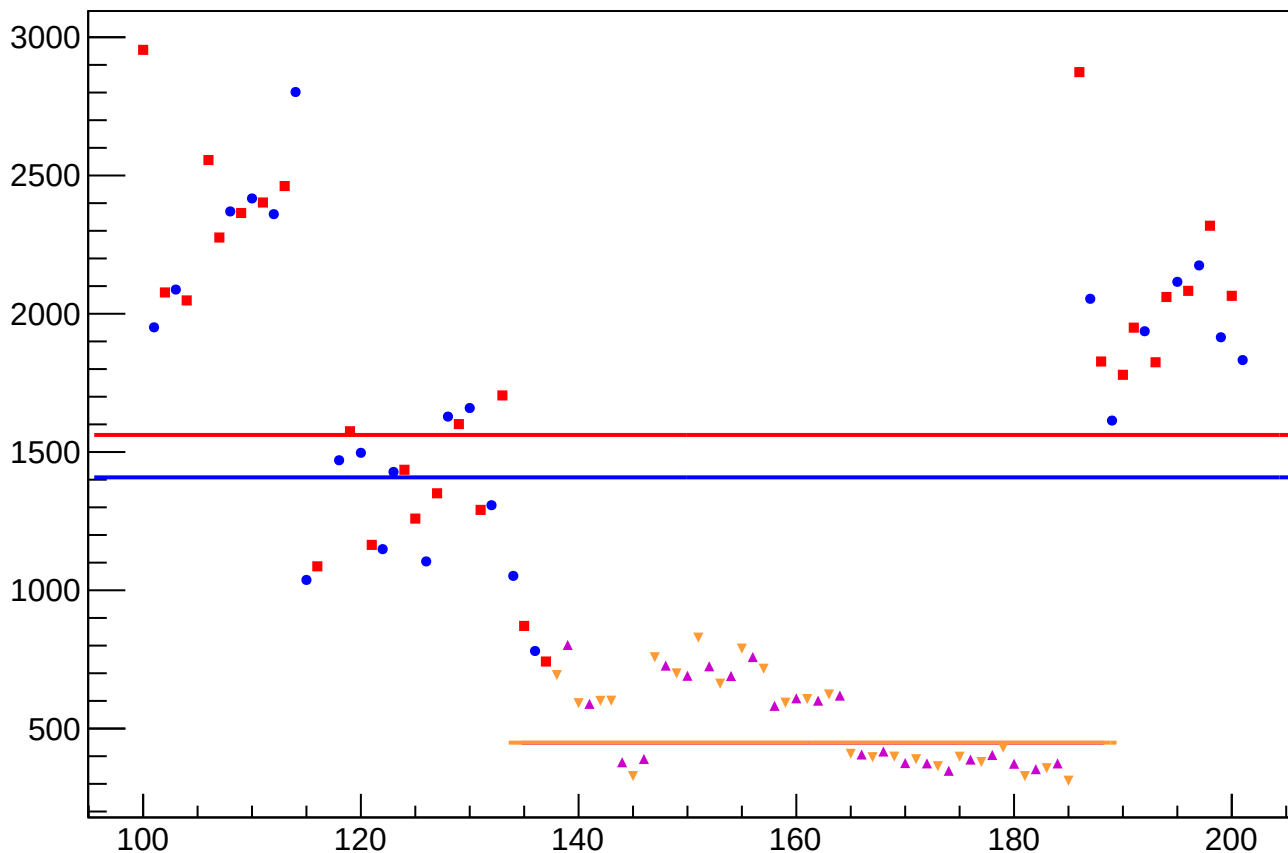
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 379.344 $\pm$ 106.512 χ^2 /NDF: 70.8/48

All: 172.748 $\pm$ 76.105 χ^2 /NDF: 137.7/99

- sign -42.748 $\pm$ 108.782 χ^2 /NDF: 59.1/50

asym_sam_26_avg_rms vs Slug



Right In: 1408.385 $\pm$ 0.316 χ^2 /NDF: 2723484.0/23

Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF: 3090476.2/24

Right Out: 1561.771 $\pm$ 0.325 χ^2 /NDF: 2713939.5/27

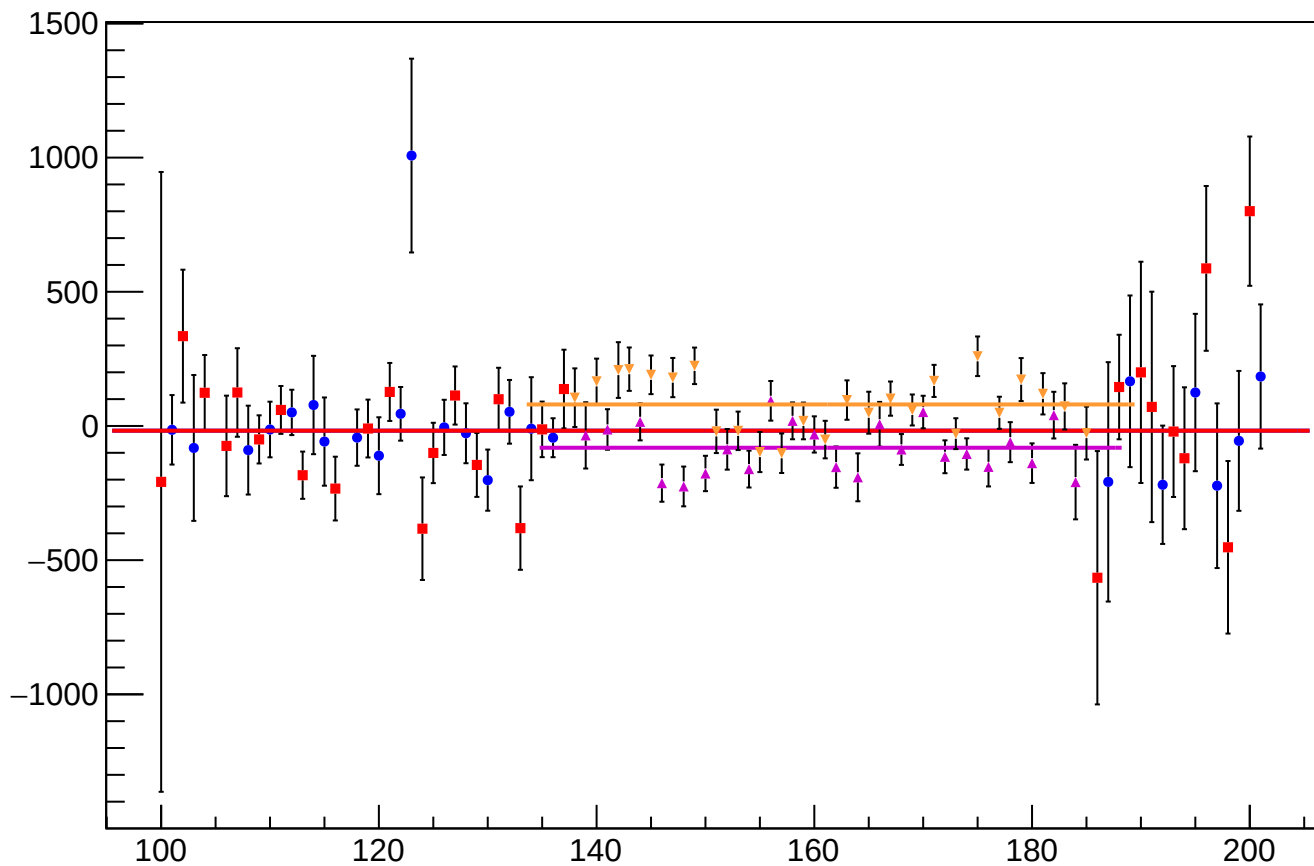
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF: 2537376.0/22

+ sign 503.438 $\pm$ 0.075 χ^2 /NDF: 14496131.4/48

All: 506.949 $\pm$ 0.054 χ^2 /NDF: 30820653.6/99

- sign 510.611 $\pm$ 0.077 χ^2 /NDF: 16320082.9/50

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.538 ± 27.918 $\chi^2/\text{NDF}: 15.9/23$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -17.592 ± 26.943 $\chi^2/\text{NDF}: 44.7/27$

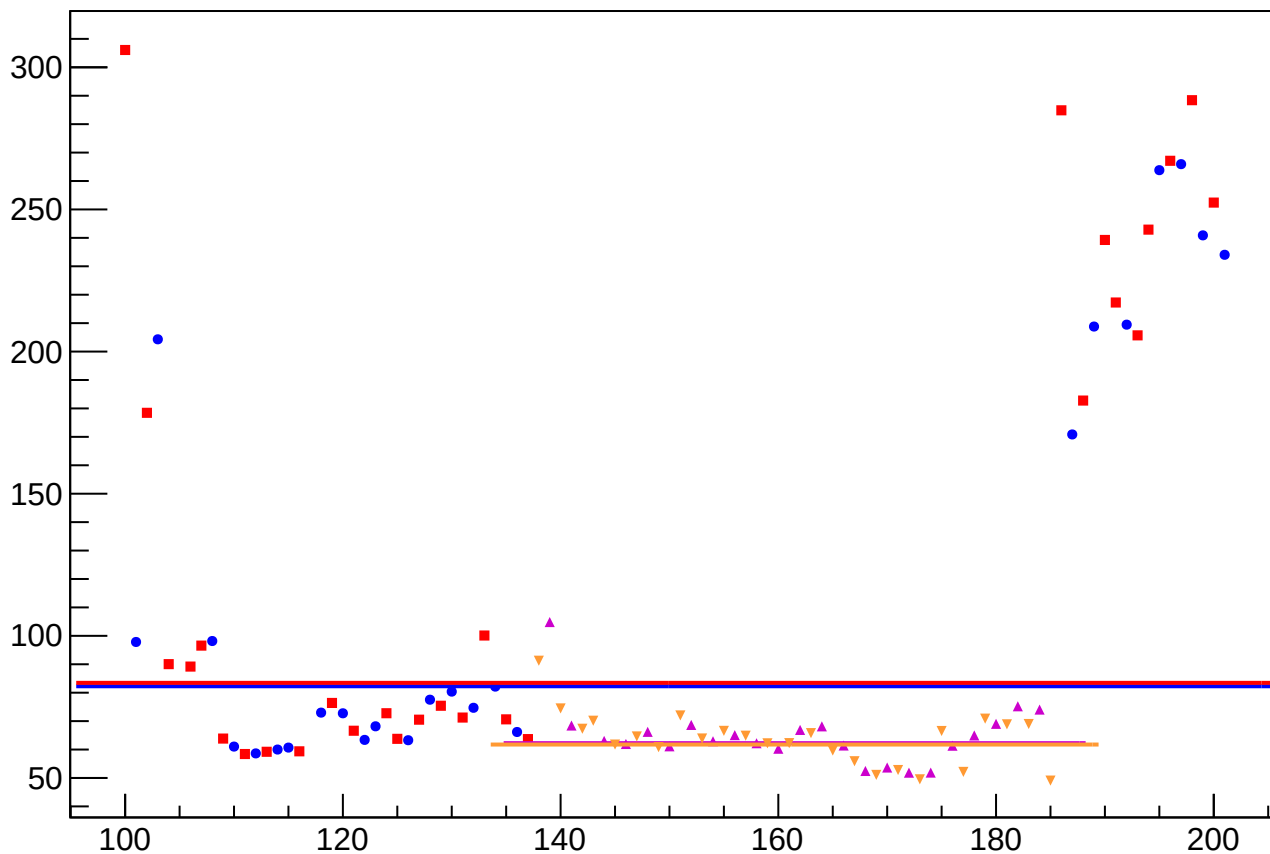
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 59.205 ± 12.932 $\chi^2/\text{NDF}: 74.1/48$

All: -2.206 ± 9.229 $\chi^2/\text{NDF}: 204.3/99$

- sign -65.955 ± 13.176 $\chi^2/\text{NDF}: 84.2/50$

reg_asym_sam_37_avg_rms vs Slug



Right In: 82.263 $\pm$ 0.020 χ^2 /NDF: 4953363.8/23

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 83.462 $\pm$ 0.019 χ^2 /NDF: 6010401.3/27

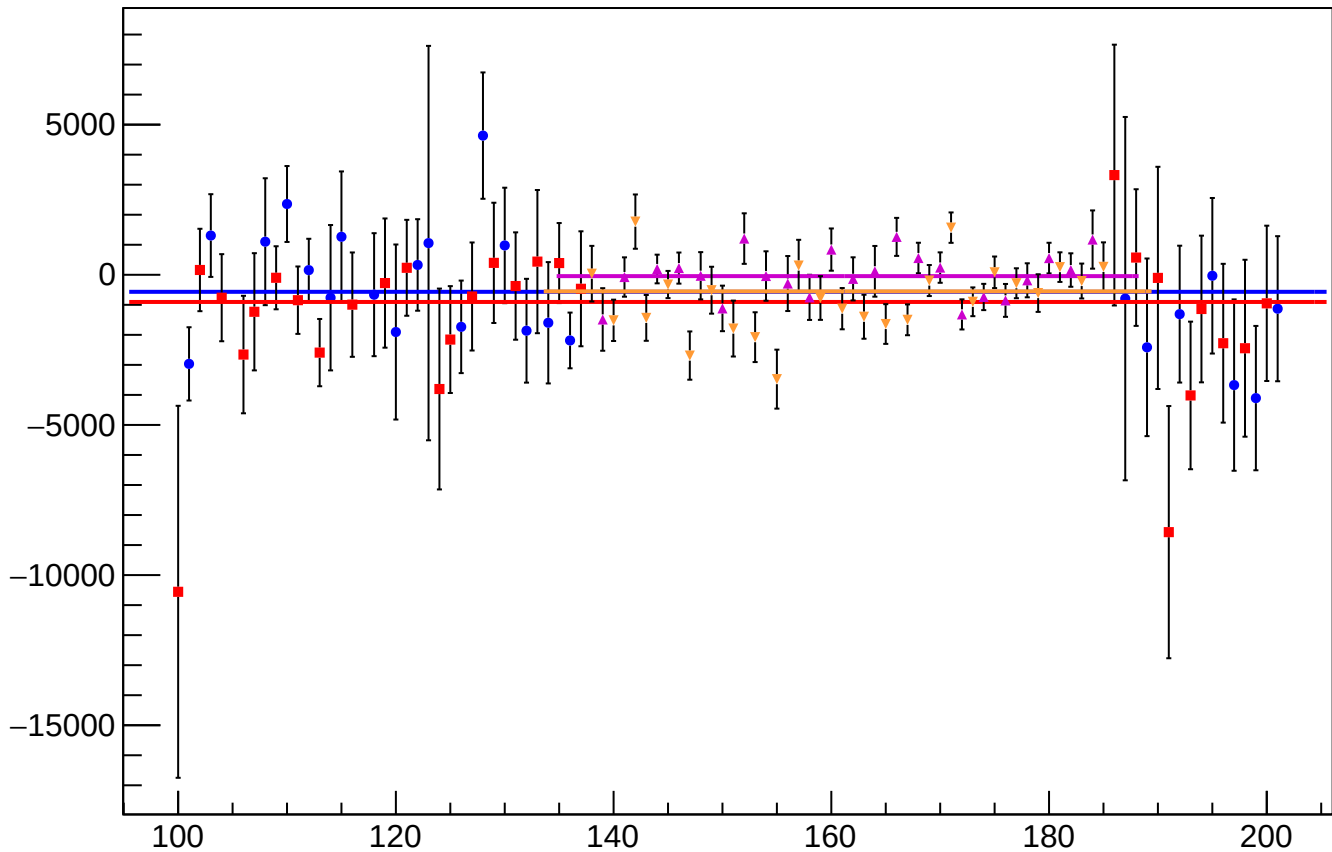
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 66.160 $\pm$ 0.009 χ^2 /NDF: 6446044.3/48

All: 66.731 $\pm$ 0.007 χ^2 /NDF: 13998669.4/99

- sign 67.323 $\pm$ 0.009 χ^2 /NDF: 7544694.3/50

asym_sam_37_avg_correction_mean vs Slug



Right In: -566.901 ± 358.781 χ^2/NDF : 28.7/23

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -904.872 ± 345.031 χ^2/NDF : 17.3/27

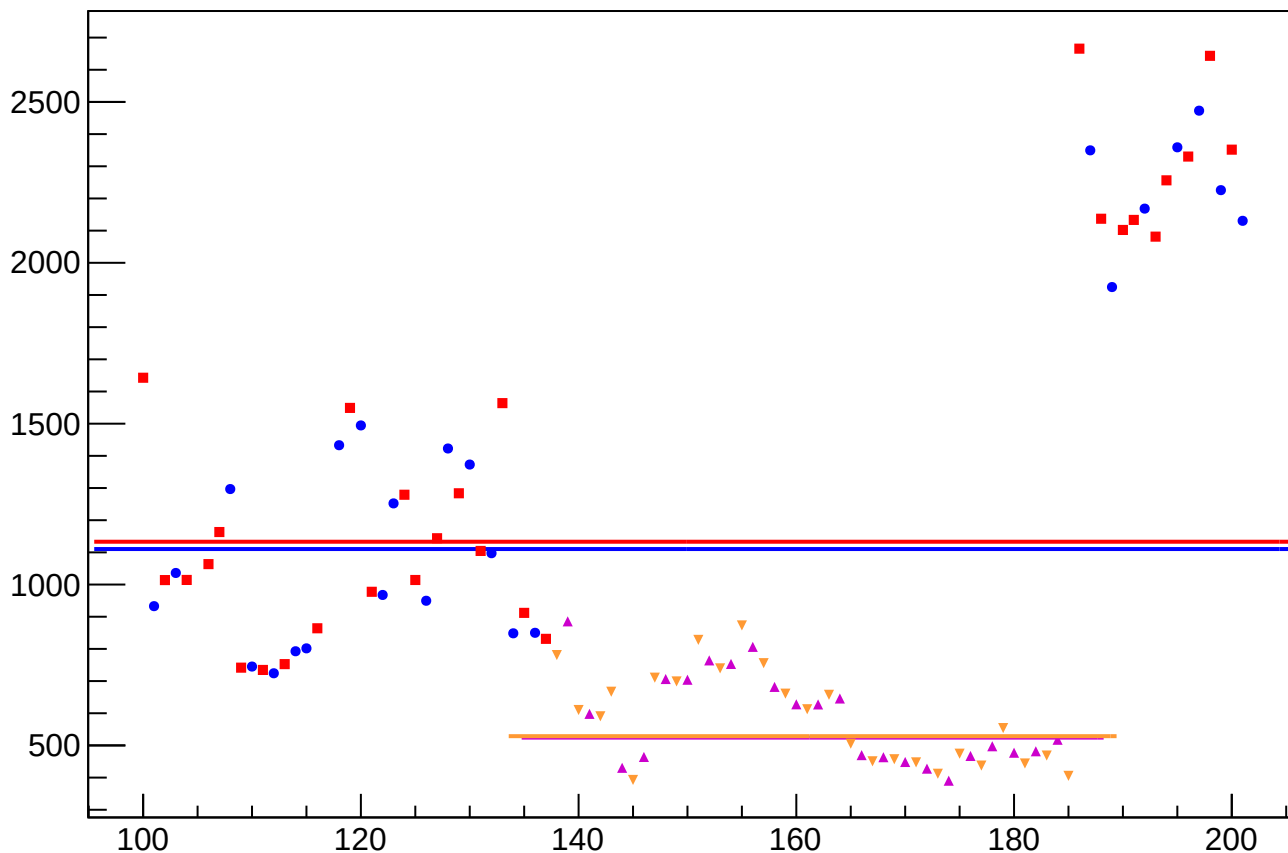
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -554.112 ± 119.705 χ^2/NDF : 94.0/48

All: -354.188 ± 85.067 χ^2/NDF : 151.9/99

- sign -150.222 ± 120.909 χ^2/NDF : 52.3/50

asym_sam_37_avg_correction_rms vs Slug



Right In: 1110.368 $\pm$ 0.254 χ^2 /NDF: 3351527.8/23

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

Right Out: 1133.102 $\pm$ 0.244 χ^2 /NDF: 4132216.6/27

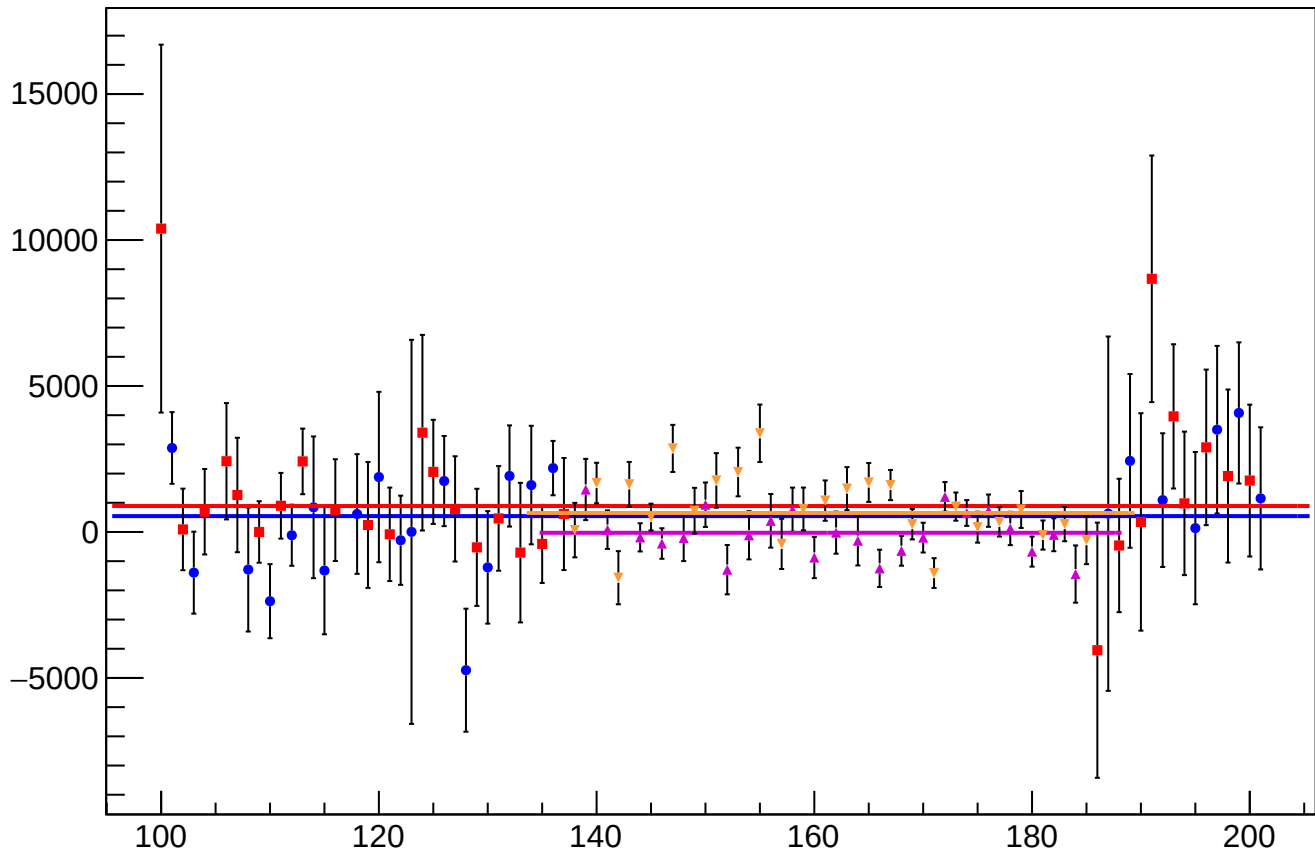
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 593.482 $\pm$ 0.085 χ^2 /NDF: 10006276.6/48

All: 596.230 $\pm$ 0.060 χ^2 /NDF: 21319603.3/99

- sign 599.033 $\pm$ 0.085 χ^2 /NDF: 11311197.9/50

asym_sam_37_avg_mean vs Slug



Right In: 543.425+/-360.477 χ^2/NDF : 28.7/23

Left Out: 651.560+/-127.961 χ^2/NDF : 61.1/24

Right Out: 888.951+/-346.810 χ^2/NDF : 16.6/27

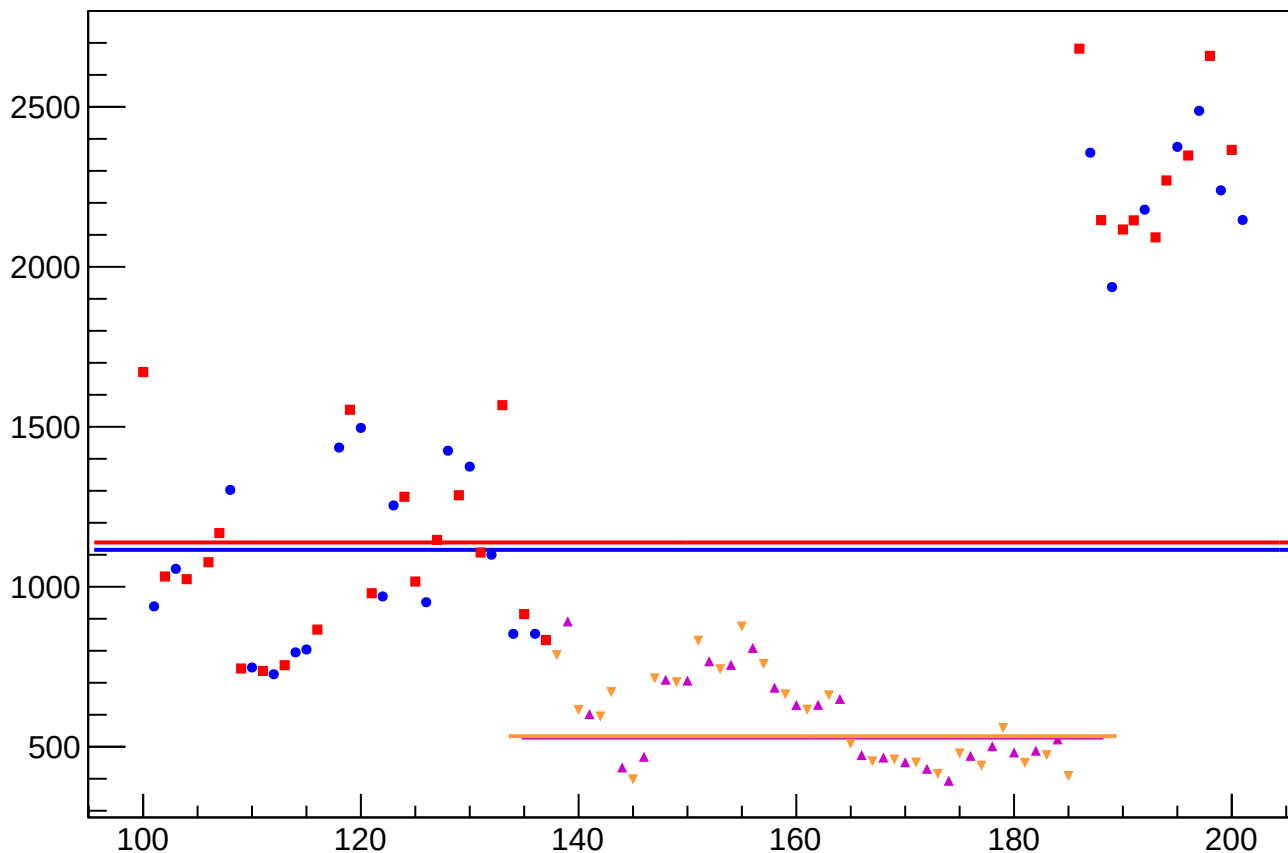
Left In: -27.483+/-130.127 χ^2/NDF : 28.5/22

+ sign 639.459+/-120.589 χ^2/NDF : 89.8/48

All: 365.378+/-85.706 χ^2/NDF : 151.5/99

- sign 85.613+/-121.833 χ^2/NDF : 51.2/50

asym_sam_37_avg_rms vs Slug



Right In: 1115.423+/-0.255 χ^2/NDF : 3358641.9/23

Left Out: 533.060+/-0.090 χ^2/NDF :1951536.4/24

Right Out: 1138.509+/-0.245 χ^2/NDF : 4141701.3/27

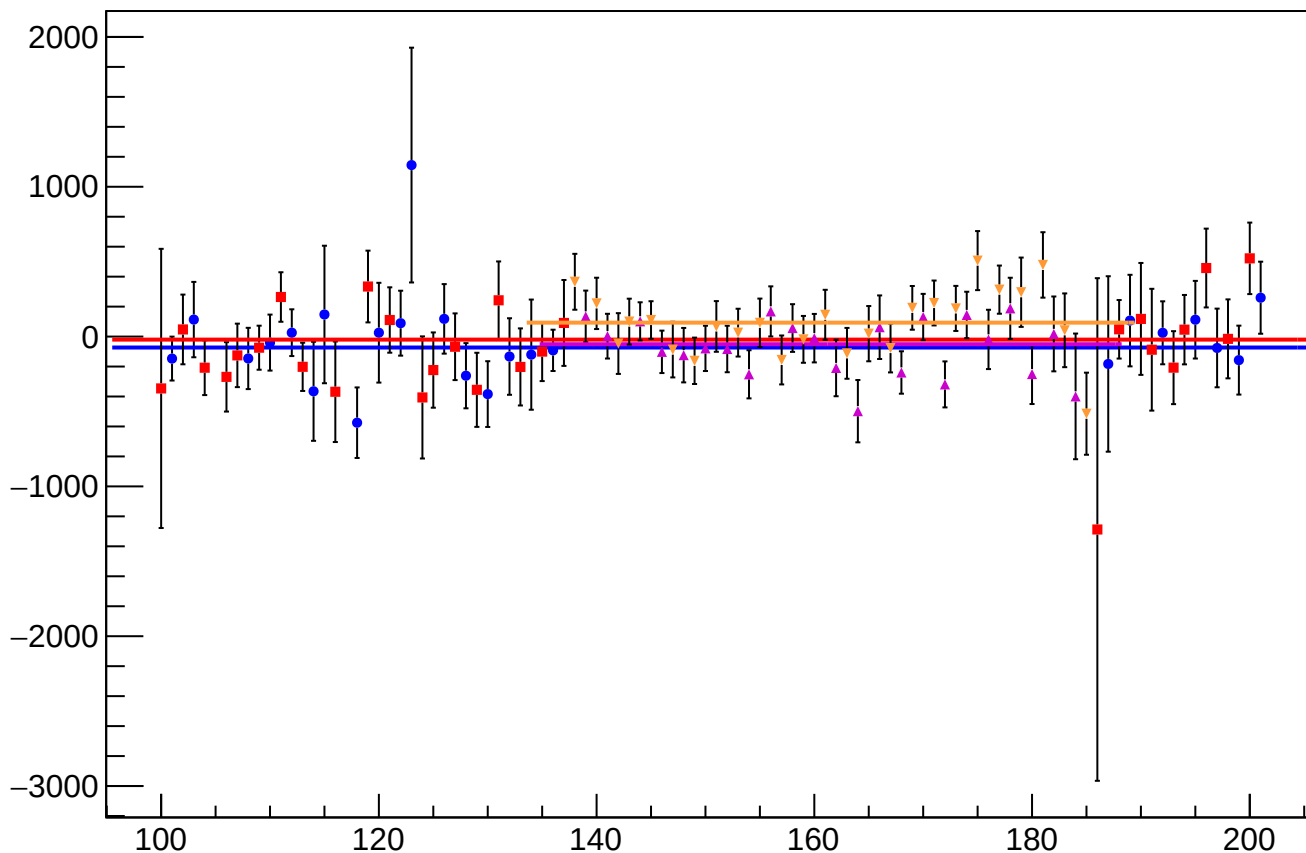
Left In: 528.694+/-0.092 χ^2/NDF :1688511.2/22

+ sign 598.231+/-0.085 χ^2/NDF : 9945920.0/48

All: 601.061+/-0.061 χ^2/NDF : 21198865.5/99

- sign 603.951+/-0.086 χ^2/NDF : 11250718.7/50

reg_asym_sam_48_avg_mean vs Slug



Right In: -73.056 ± 46.750 χ^2/NDF : 16.7/23

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: -20.246 ± 44.397 χ^2/NDF : 25.9/27

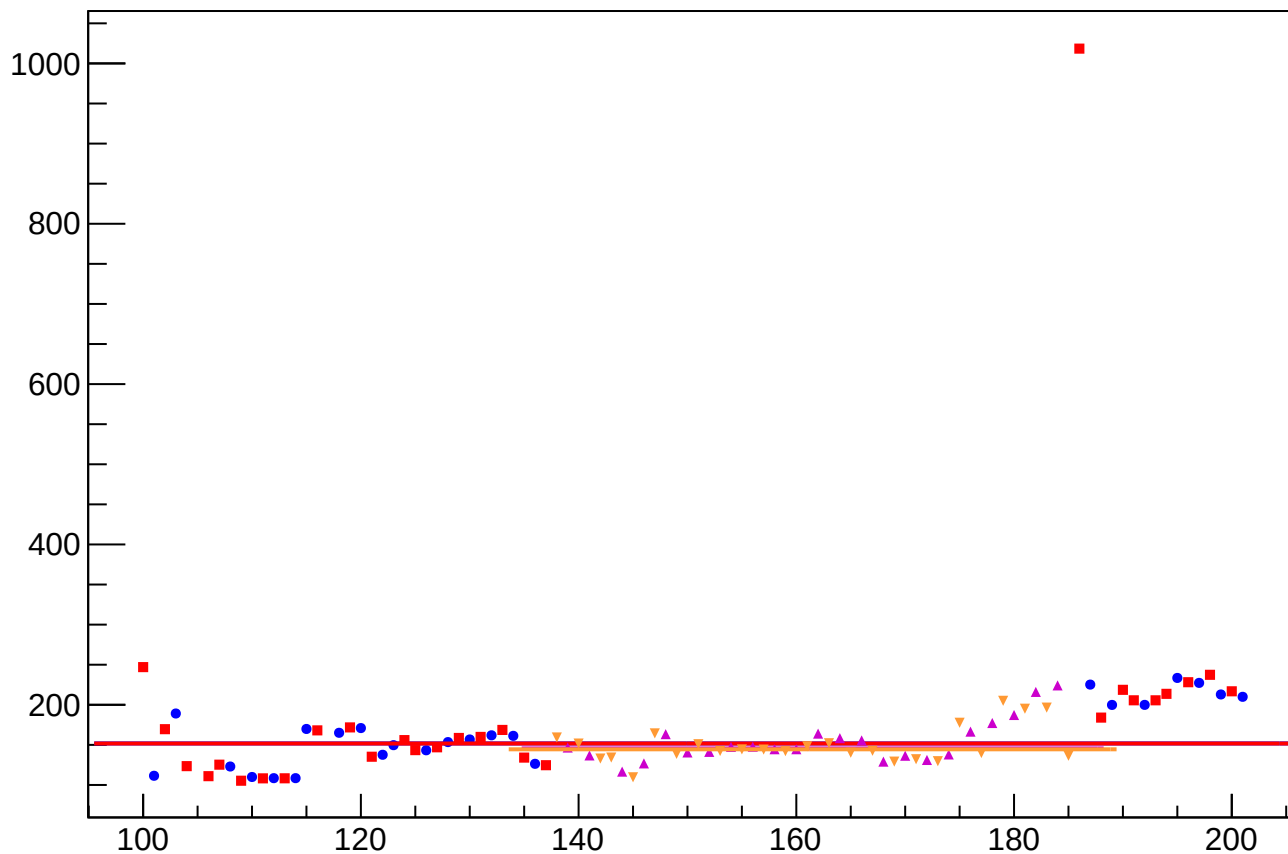
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 35.430 ± 27.525 χ^2/NDF : 54.3/48

All: -1.672 ± 19.497 χ^2/NDF : 107.7/99

- sign -39.033 ± 27.621 χ^2/NDF : 49.7/50

reg_asym_sam_48_avg_rms vs Slug



Right In: 151.805 $\pm$ 0.033 χ^2 /NDF: 1432833.4/23

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 151.707 $\pm$ 0.031 χ^2 /NDF: 2194632.7/27

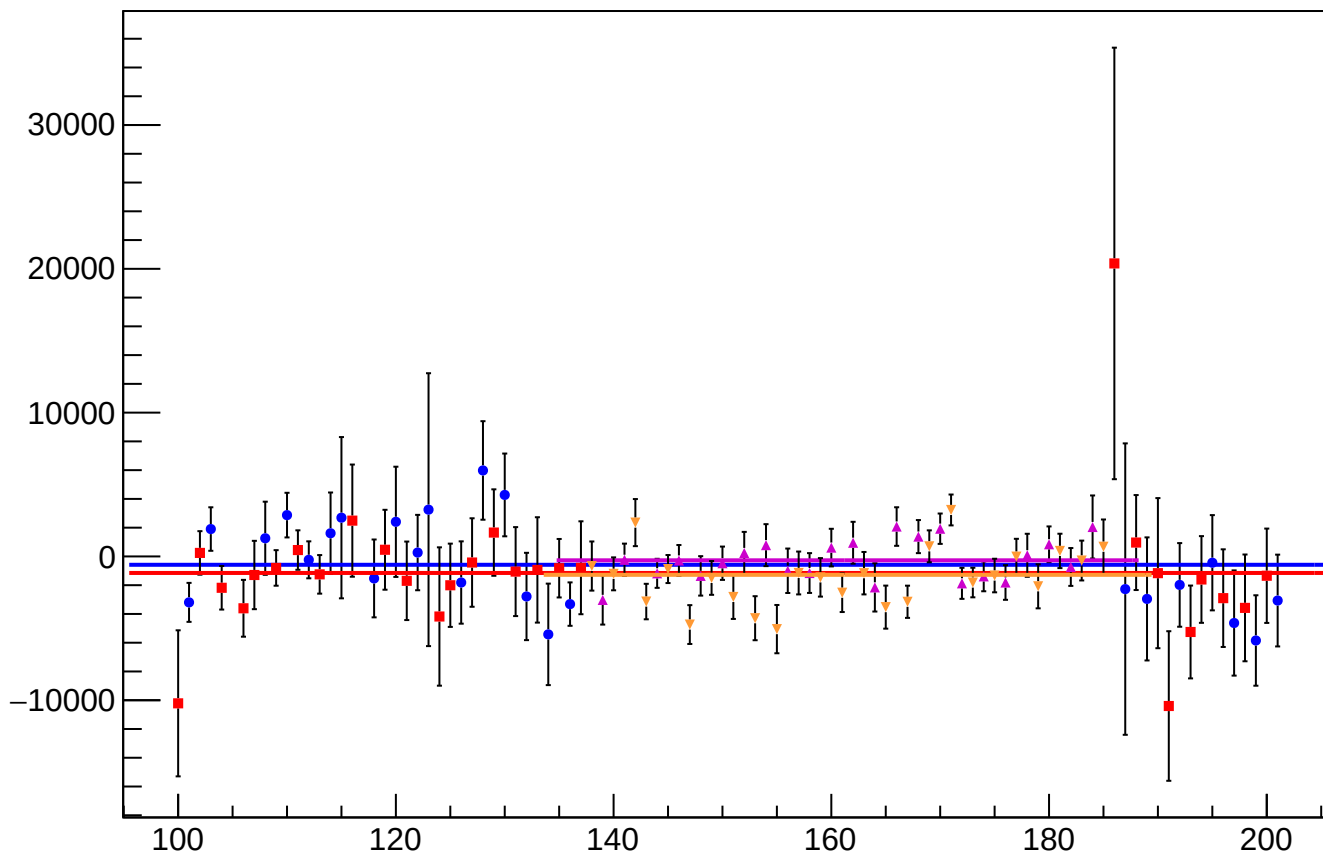
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 147.016 $\pm$ 0.019 χ^2 /NDF: 2135446.5/48

All: 147.468 $\pm$ 0.014 χ^2 /NDF: 4998384.3/99

- sign 147.924 $\pm$ 0.020 χ^2 /NDF: 2861855.0/50

asym_sam_48_avg_correction_mean vs Slug



Right In: -581.281 $\pm$ 489.263 χ^2/NDF : 31.5/23

Left Out: -1279.328 $\pm$ 259.299 χ^2/NDF : 55.9/24

Right Out: -1149.318 $\pm$ 449.925 χ^2/NDF : 18.2/27

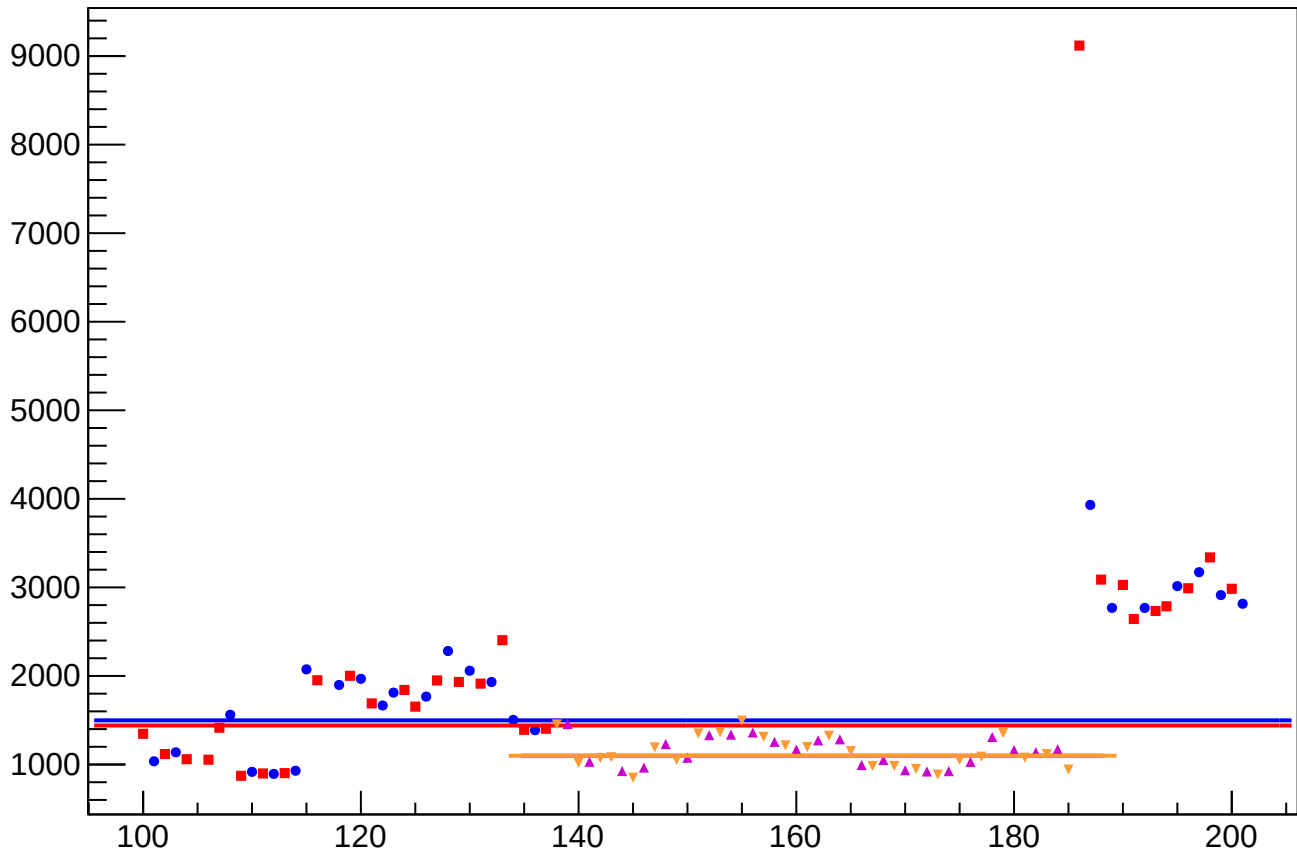
Left In: -269.952 $\pm$ 266.245 χ^2/NDF : 24.3/22

+ sign -1126.256 $\pm$ 229.112 χ^2/NDF : 89.0/48

All: -812.167 $\pm$ 162.014 χ^2/NDF : 138.1/99

- sign -498.020 $\pm$ 229.133 χ^2/NDF : 45.3/50

asym_sam_48_avg_correction_rms vs Slug



Right In: 1498.470+/-0.346 χ^2/NDF : 3761914.7/23

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1440.475+/-0.318 χ^2/NDF : 5218852.3/27

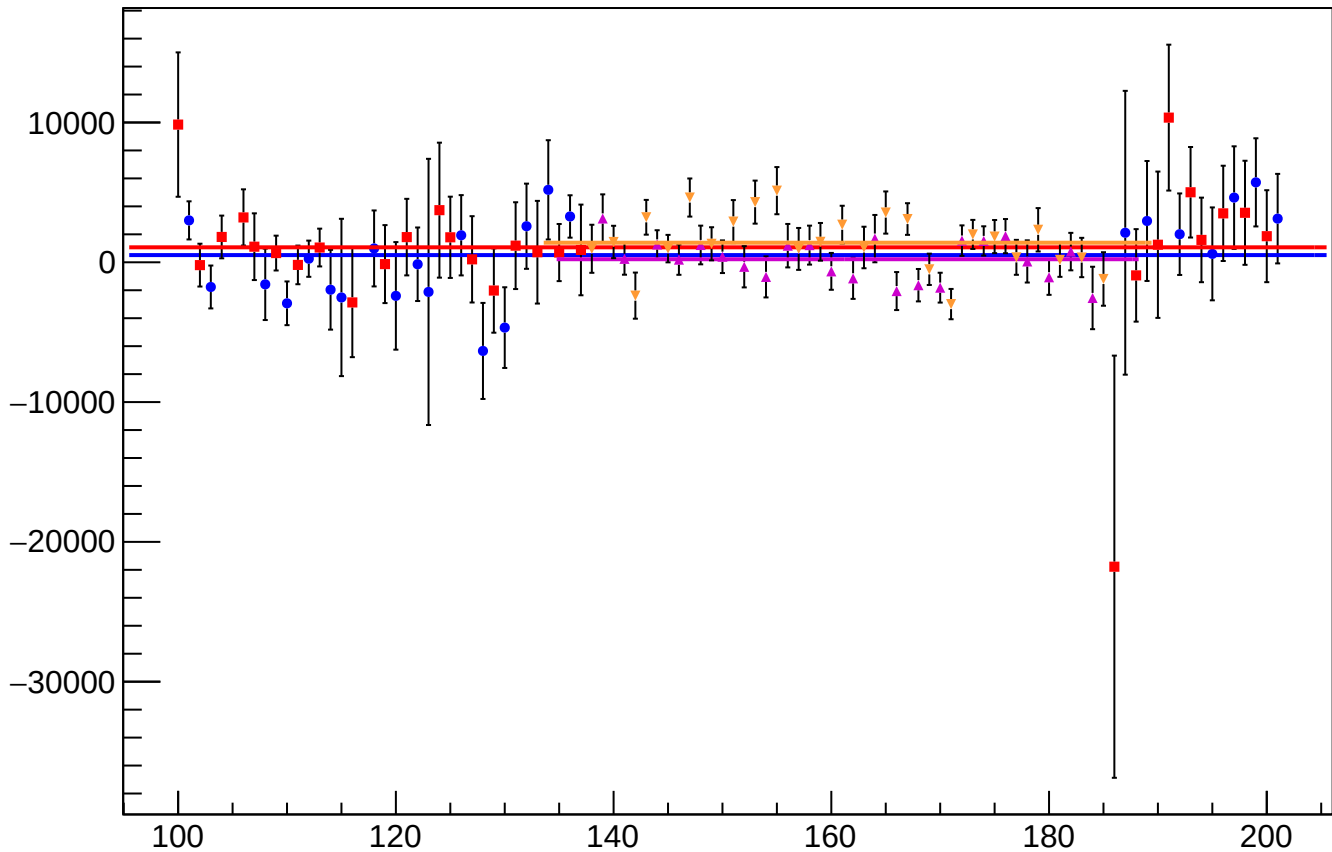
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1186.527+/-0.162 χ^2/NDF : 5627612.3/48

All: 1187.262+/-0.115 χ^2/NDF : 12376736.2/9

- sign 1187.997+/-0.162 χ^2/NDF : 6749082.8/50

asym_sam_48_avg_mean vs Slug



Right In: 515.108 ± 492.215 χ^2/NDF : 31.1/23

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 1070.750 ± 453.094 χ^2/NDF : 17.0/27

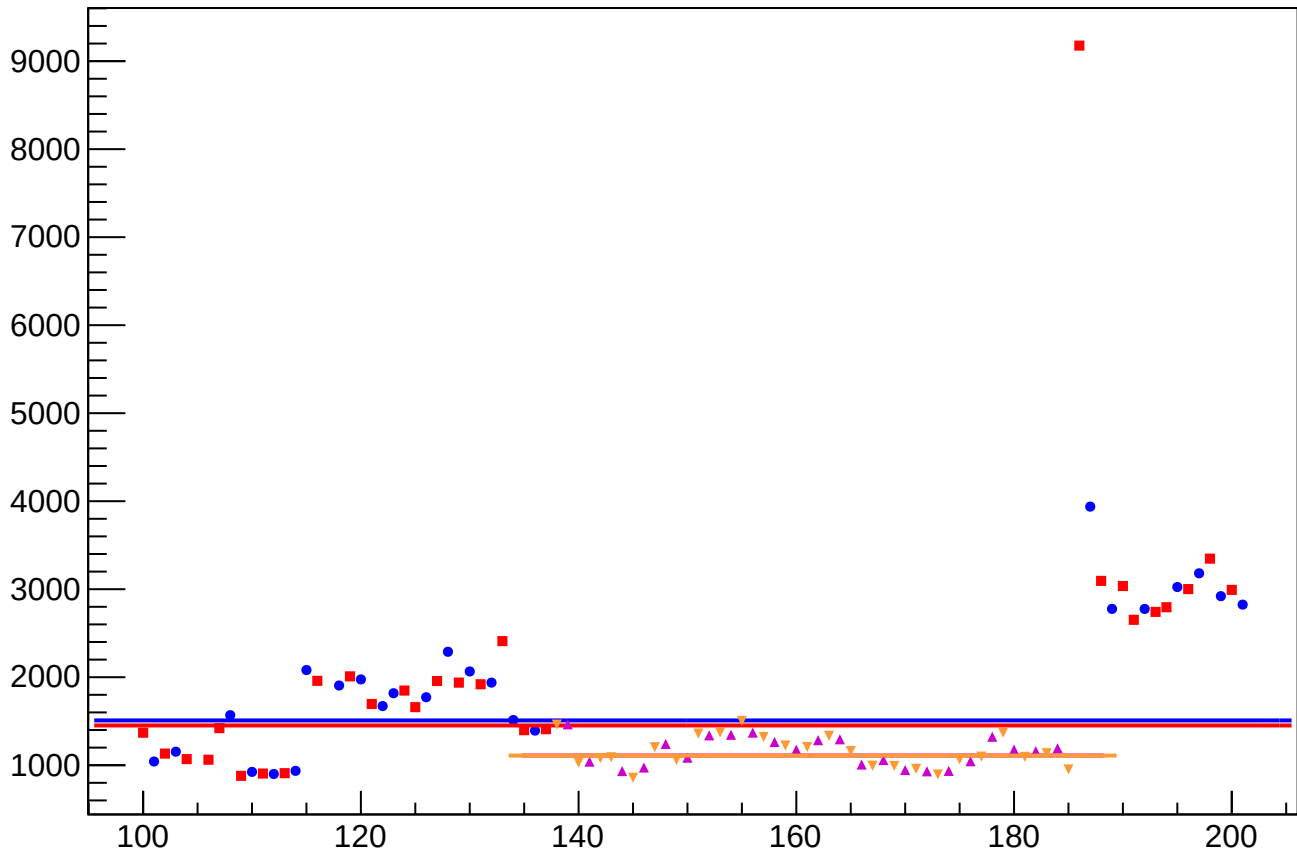
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1205.221 ± 231.142 χ^2/NDF : 85.9/48

All: 823.271 ± 163.467 χ^2/NDF : 136.0/99

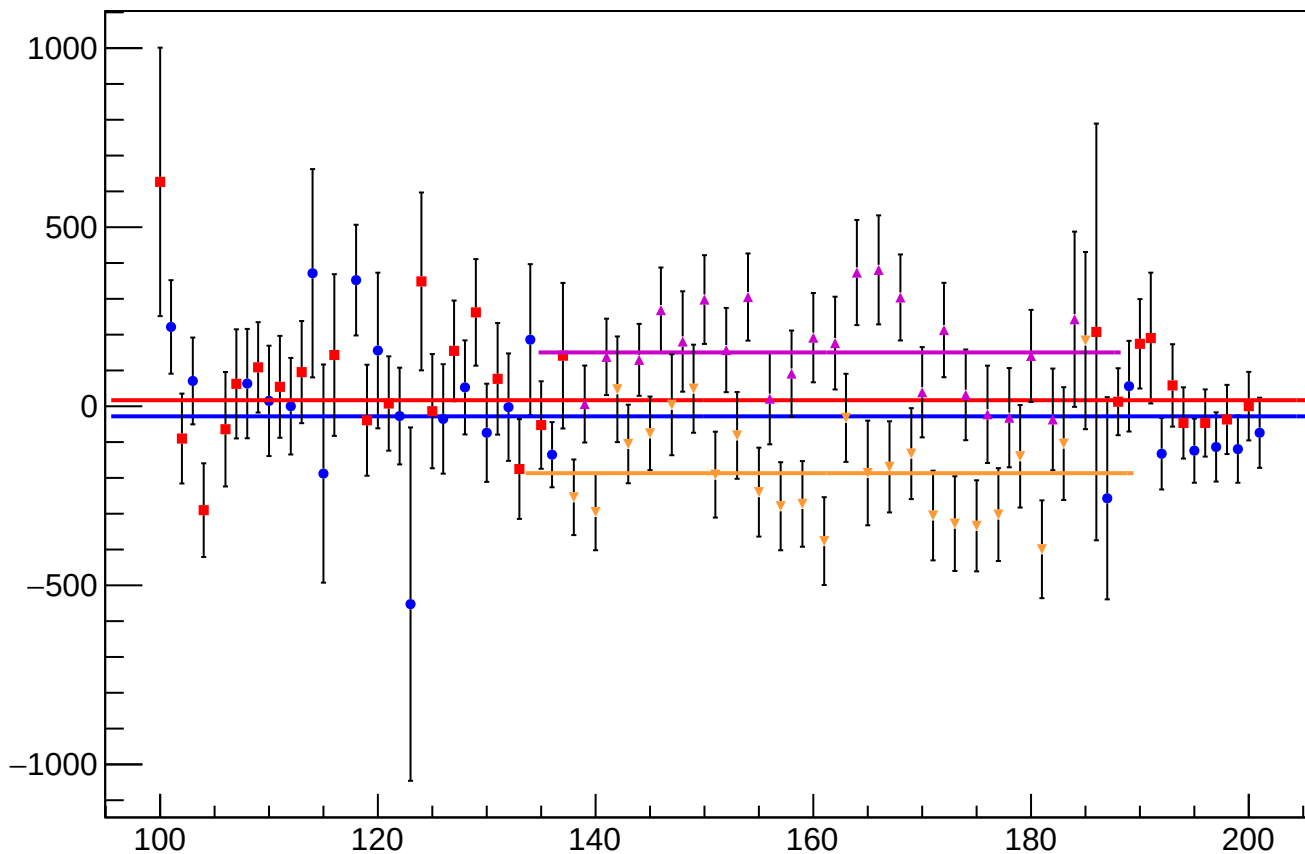
- sign 441.089 ± 231.212 χ^2/NDF : 44.6/50

asym_sam_48_avg_rms vs Slug



Right In: 1508.845+/-0.348	χ^2/NDF : 3729883.4/23	+ sign 1197.767+/-0.163	χ^2/NDF : 5566889.7/48
Left Out: 1109.761+/-0.185	χ^2/NDF : 812174.9/24	All: 1198.585+/-0.116	χ^2/NDF : 12252459.8/50
Right Out: 1451.785+/-0.320	χ^2/NDF : 5176561.8/27	- sign 1199.403+/-0.163	χ^2/NDF : 6685520.0/50
Left In: 1110.542+/-0.190	χ^2/NDF : 669928.9/22		

reg_asym_sam_15_dd_mean vs Slug



Right In: -28.107 ± 26.943 χ^2/NDF : 23.1/23

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: 16.887 ± 25.441 χ^2/NDF : 22.8/27

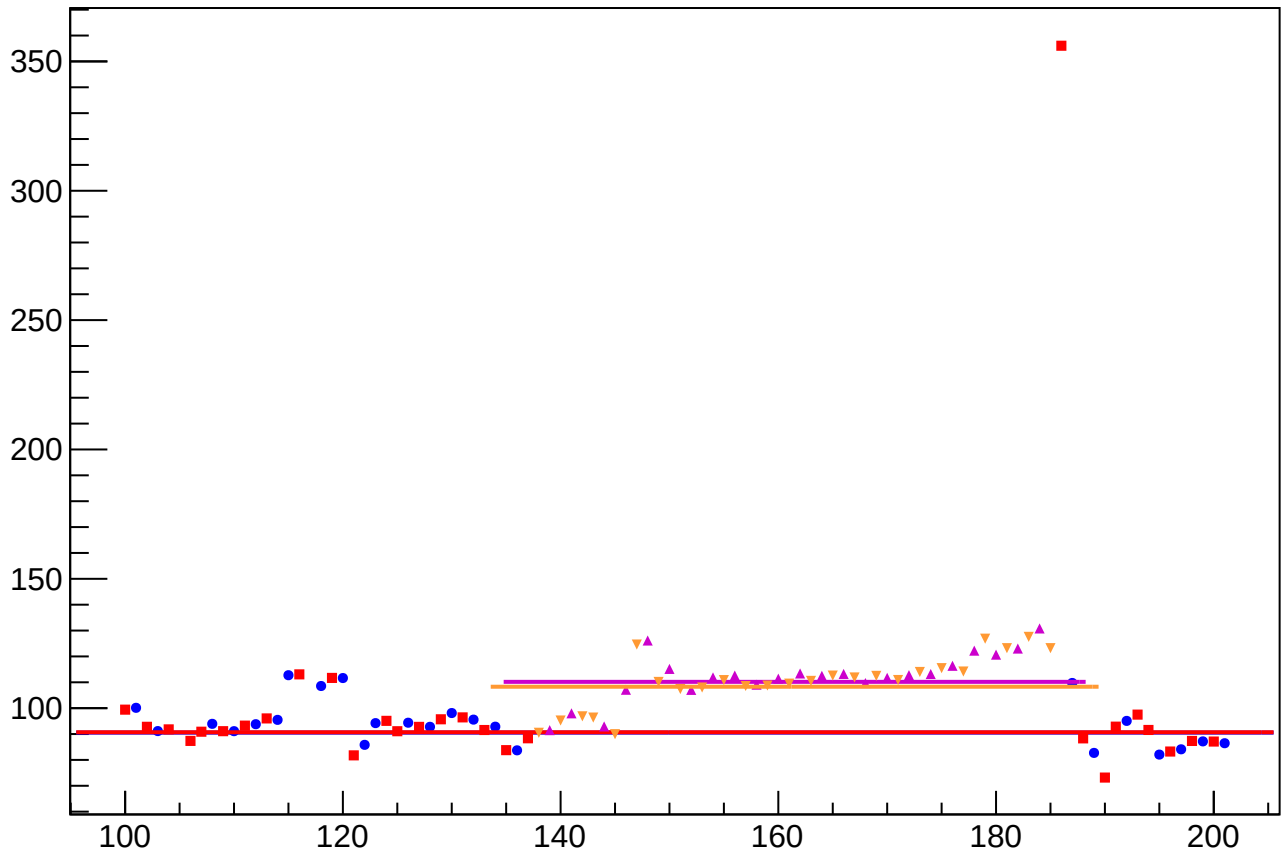
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -112.434 ± 18.446 χ^2/NDF : 68.1/48

All: -15.116 ± 13.004 χ^2/NDF : 180.1/99

- sign 81.020 ± 18.334 χ^2/NDF : 56.7/50

reg_asym_sam_15_dd_rms vs Slug



Right In: 90.547 $\pm$ 0.019 χ^2 /NDF: 148581.0/23

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 90.686 $\pm$ 0.018 χ^2 /NDF: 566617.0/27

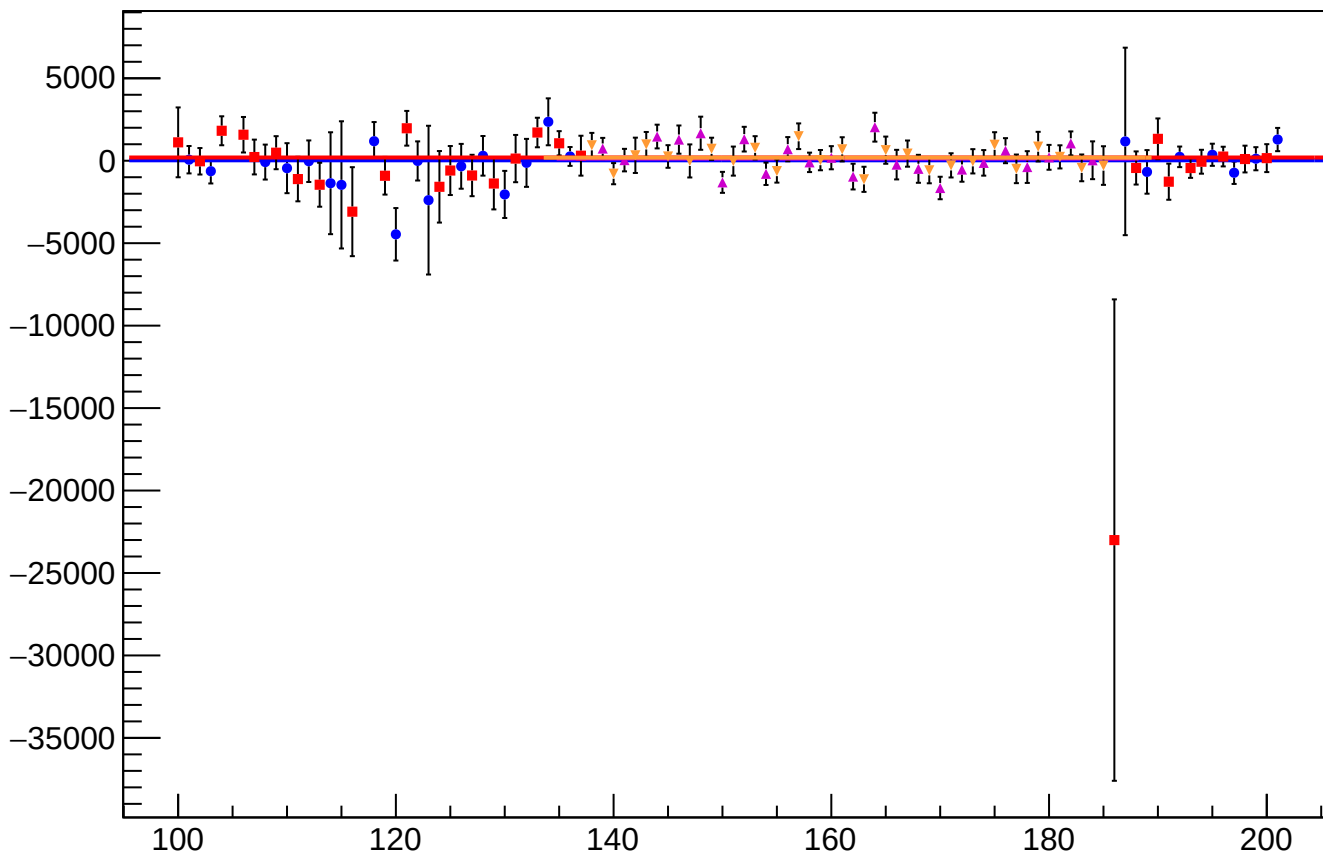
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 99.972 $\pm$ 0.013 χ^2 /NDF: 939909.3/48

All: 100.012 $\pm$ 0.009 χ^2 /NDF: 2317554.6/99

- sign 100.052 $\pm$ 0.013 χ^2 /NDF: 1377626.1/50

asym_sam_15_dd_correction_mean vs Slug



Right In: 25.719+/-201.430 χ^2/NDF : 20.7/23

Left Out: 185.392+/-153.683 χ^2/NDF : 18.4/24

Right Out: 196.232+/-190.168 χ^2/NDF : 27.0/27

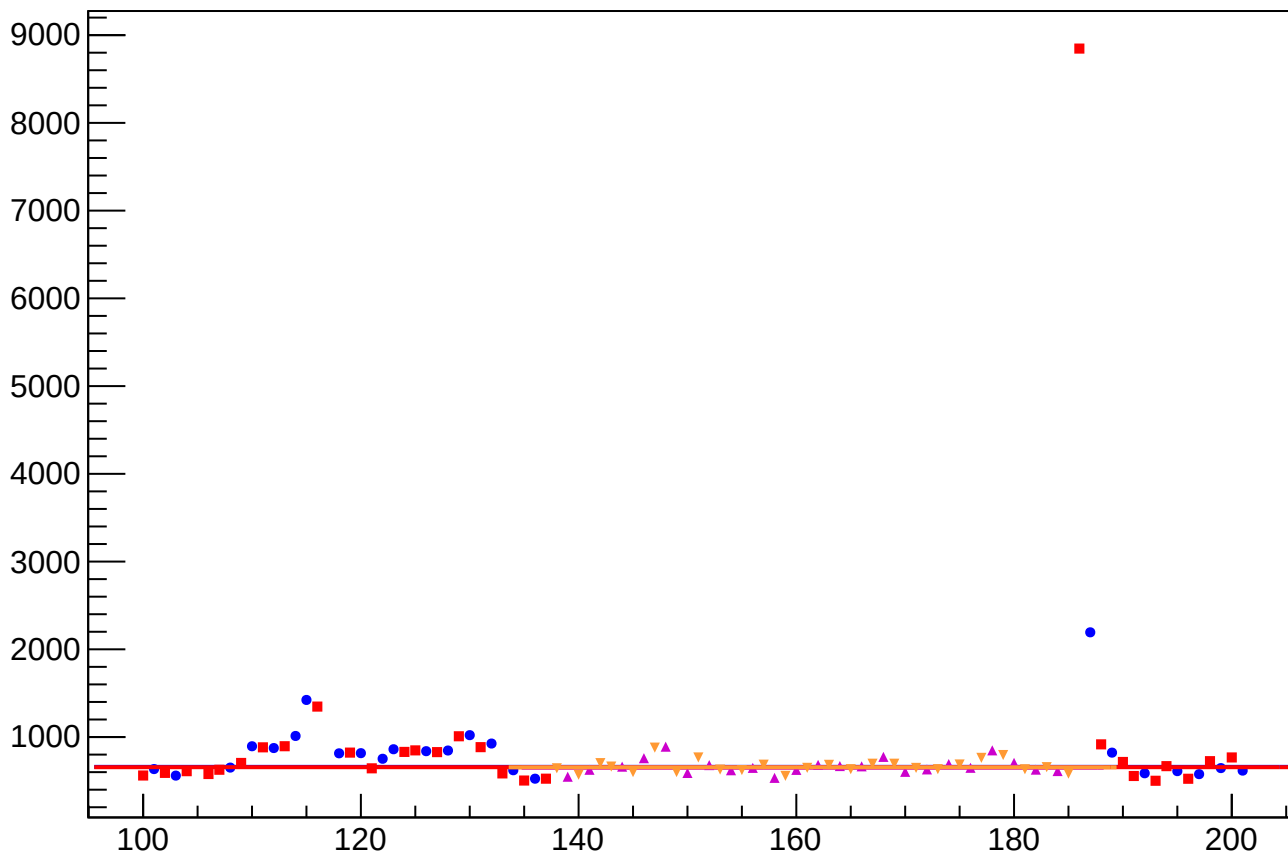
Left In: 128.782+/-157.155 χ^2/NDF : 36.2/22

+ sign 126.643+/-122.182 χ^2/NDF : 39.5/48

All: 141.524+/-86.026 χ^2/NDF : 102.8/99

- sign 156.153+/-121.142 χ^2/NDF : 63.2/50

asym_sam_15_dd_correction_rms vs Slug



Right In: 660.251+/-0.142 χ^2/NDF : 960491.9/23

Left Out: 655.155+/-0.109 χ^2/NDF : 367349.8/24

Right Out: 656.404+/-0.134 χ^2/NDF : 1757190.2/27

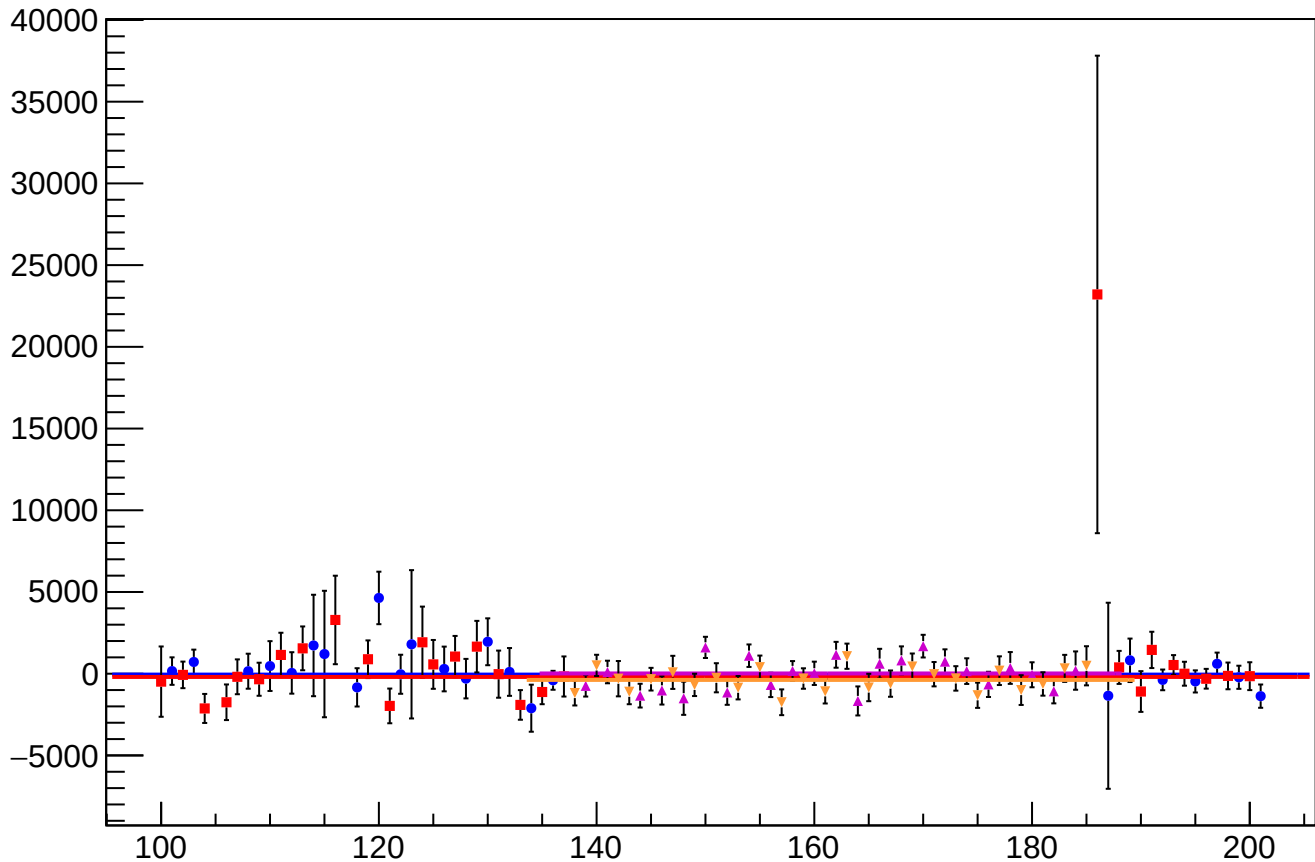
Left In: 650.883+/-0.111 χ^2/NDF : 466116.8/22

+ sign 657.030+/-0.086 χ^2/NDF : 1328650.8/48

All: 655.060+/-0.061 χ^2/NDF : 3553990.6/99

- sign 653.124+/-0.086 χ^2/NDF : 2224308.7/50

asym_sam_15_dd_mean vs Slug



Right In: -54.701 ± 203.511 χ^2/NDF : 20.9/23

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -197.615 ± 192.263 χ^2/NDF : 30.7/27

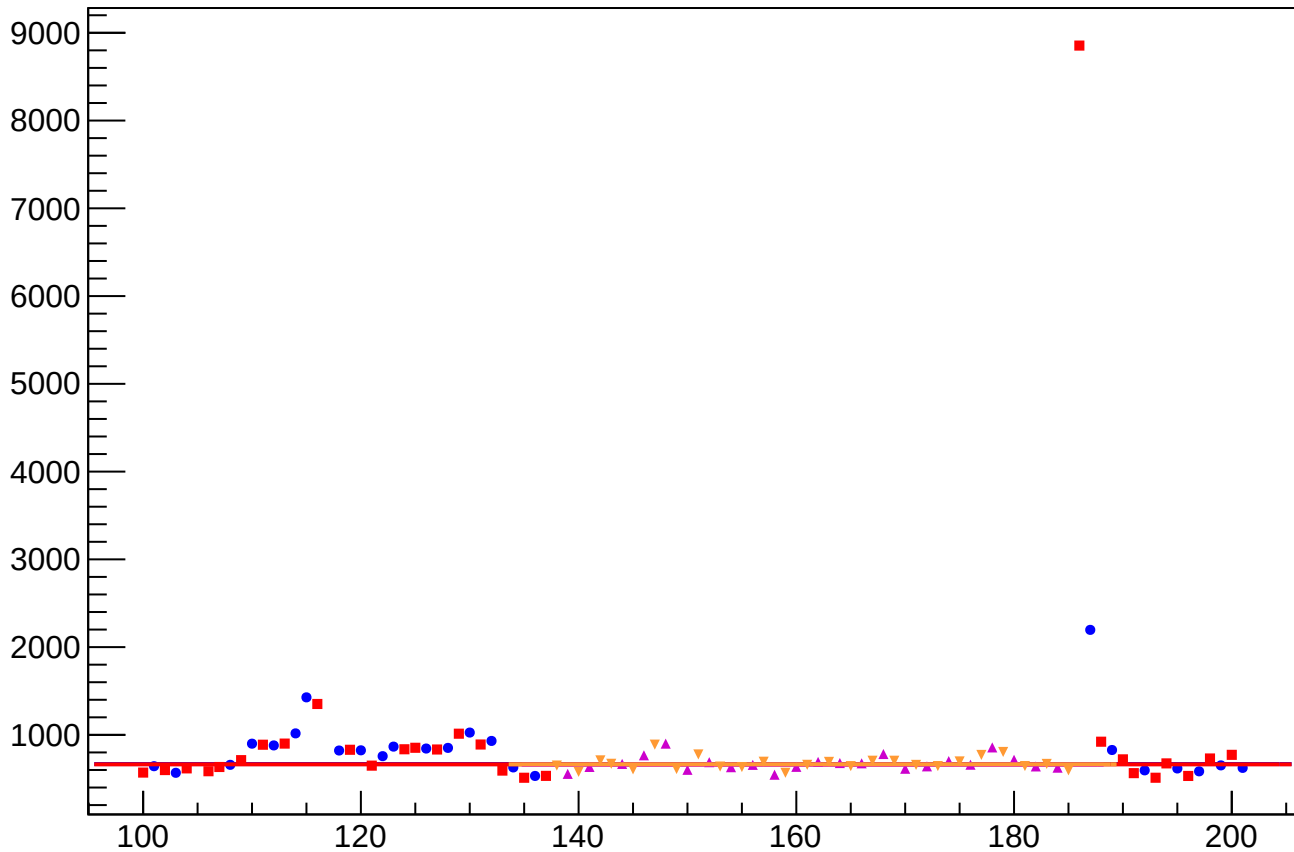
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -259.373 ± 123.756 χ^2/NDF : 41.3/48

All: -164.842 ± 87.155 χ^2/NDF : 111.0/99

- sign -71.821 ± 122.763 χ^2/NDF : 68.6/50

asym_sam_15_dd_rms vs Slug



Right In: 667.535 $\pm$ 0.144 χ^2 /NDF: 939246.1/23

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 664.306 $\pm$ 0.136 χ^2 /NDF: 1720552.7/27

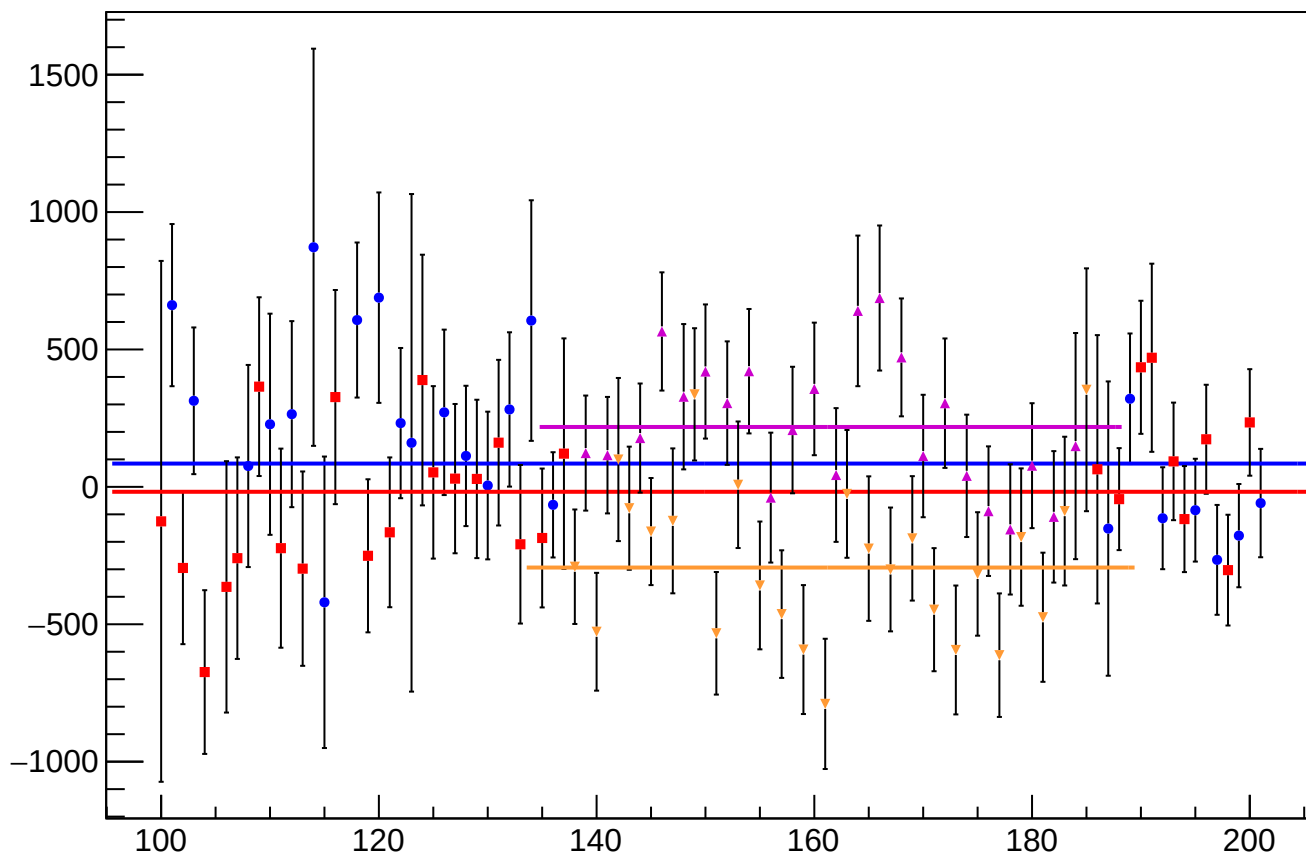
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 665.794 $\pm$ 0.088 χ^2 /NDF: 1296532.1/48

All: 664.024 $\pm$ 0.062 χ^2 /NDF: 3467450.1/99

- sign 662.283 $\pm$ 0.087 χ^2 /NDF: 2170106.5/50

reg_asym_sam_26_dd_mean vs Slug



Right In: 84.766 ± 55.001 χ^2/NDF : 25.0/23

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -17.901 ± 52.363 χ^2/NDF : 24.0/27

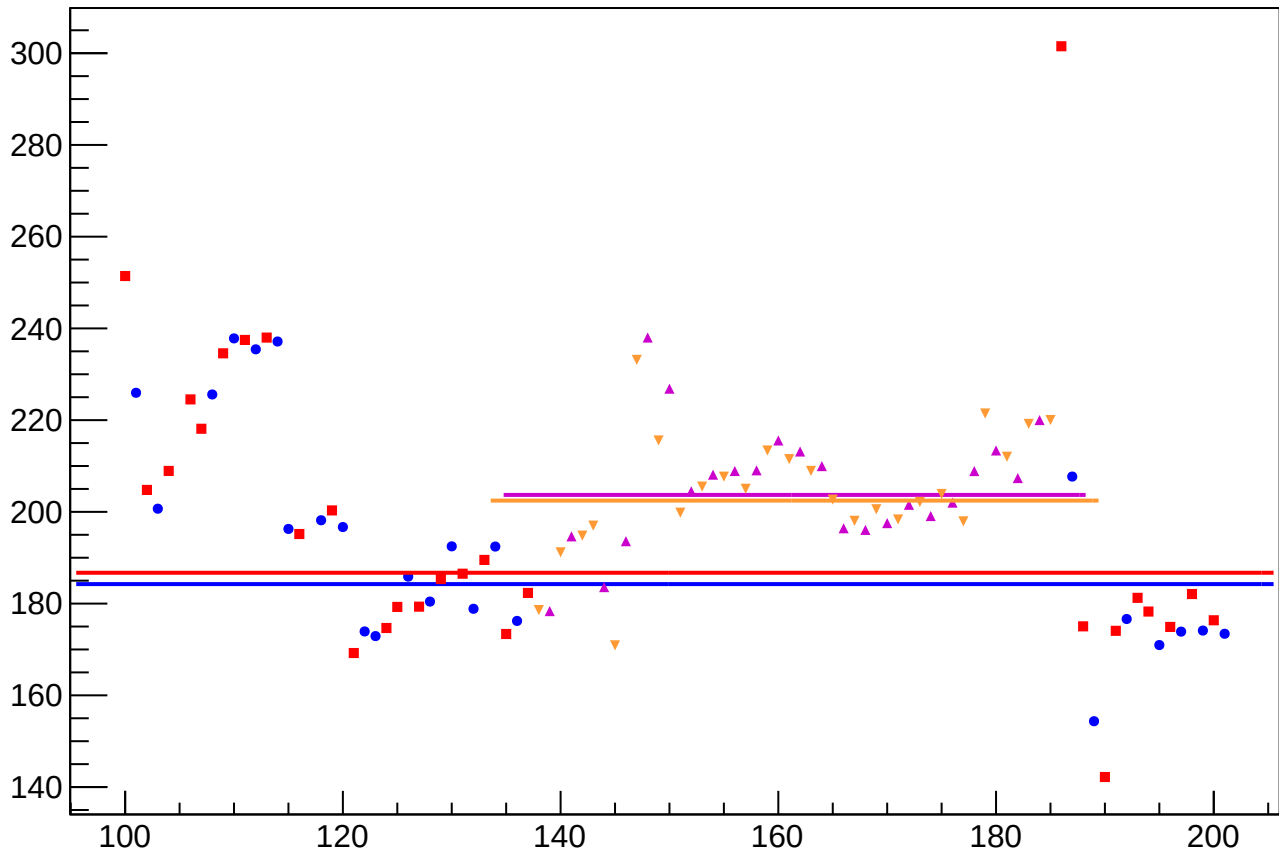
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -133.113 ± 35.820 χ^2/NDF : 82.5/48

All: -12.035 ± 25.289 χ^2/NDF : 161.4/99

- sign 108.283 ± 35.707 χ^2/NDF : 56.1/50

reg_asym_sam_26_dd_rms vs Slug



Right In: 184.252 $\pm$ 0.039 χ^2 /NDF: 249392.3/23

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 186.727 $\pm$ 0.037 χ^2 /NDF: 413647.2/27

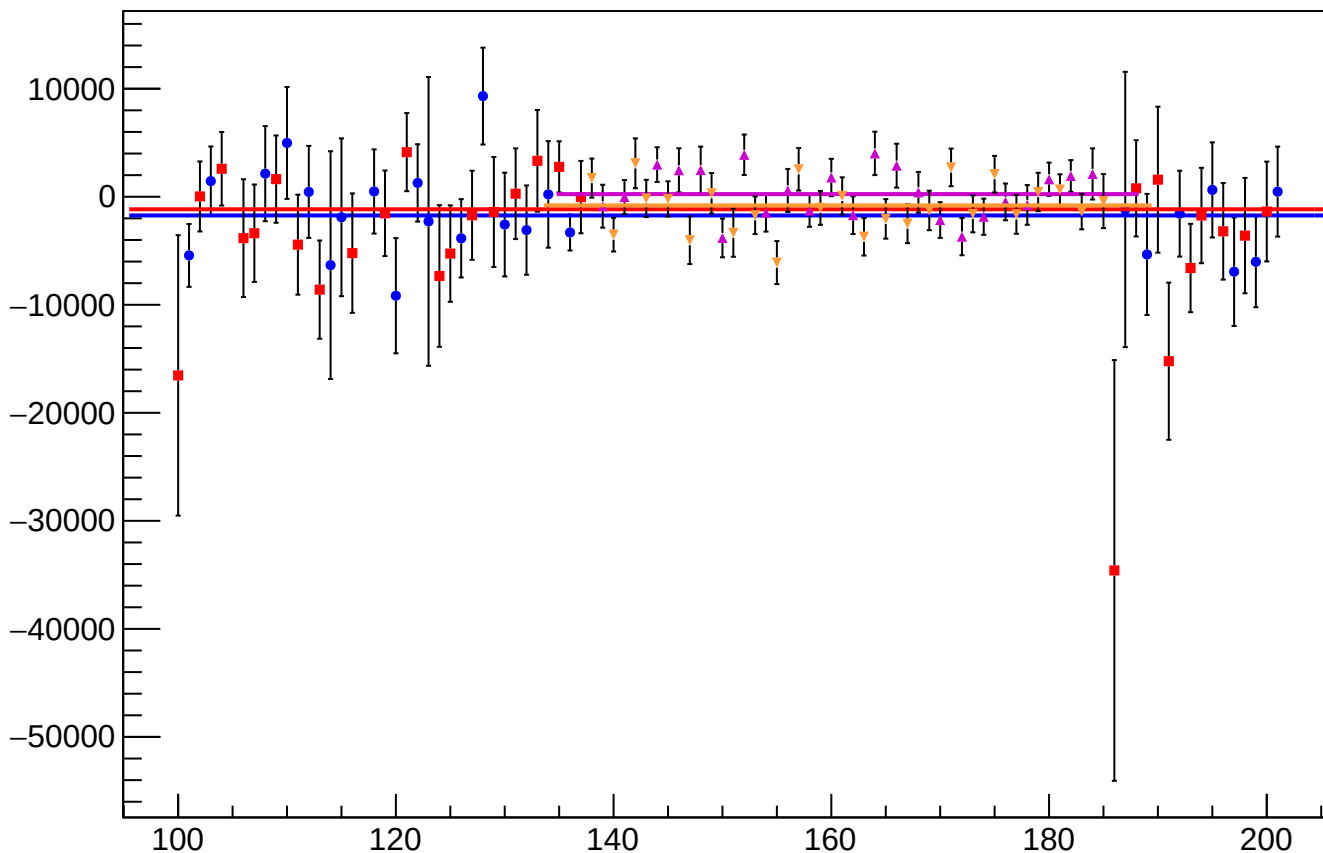
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 194.736 $\pm$ 0.025 χ^2 /NDF: 534173.3/48

All: 195.273 $\pm$ 0.018 χ^2 /NDF: 1197317.0/99

- sign 195.806 $\pm$ 0.025 χ^2 /NDF: 662248.7/50

asym_sam_26_dd_correction_mean vs Slug



Right In: -1730.752 ± 814.520 χ^2/NDF : 19.2/23

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1160.097 ± 822.773 χ^2/NDF : 24.5/27

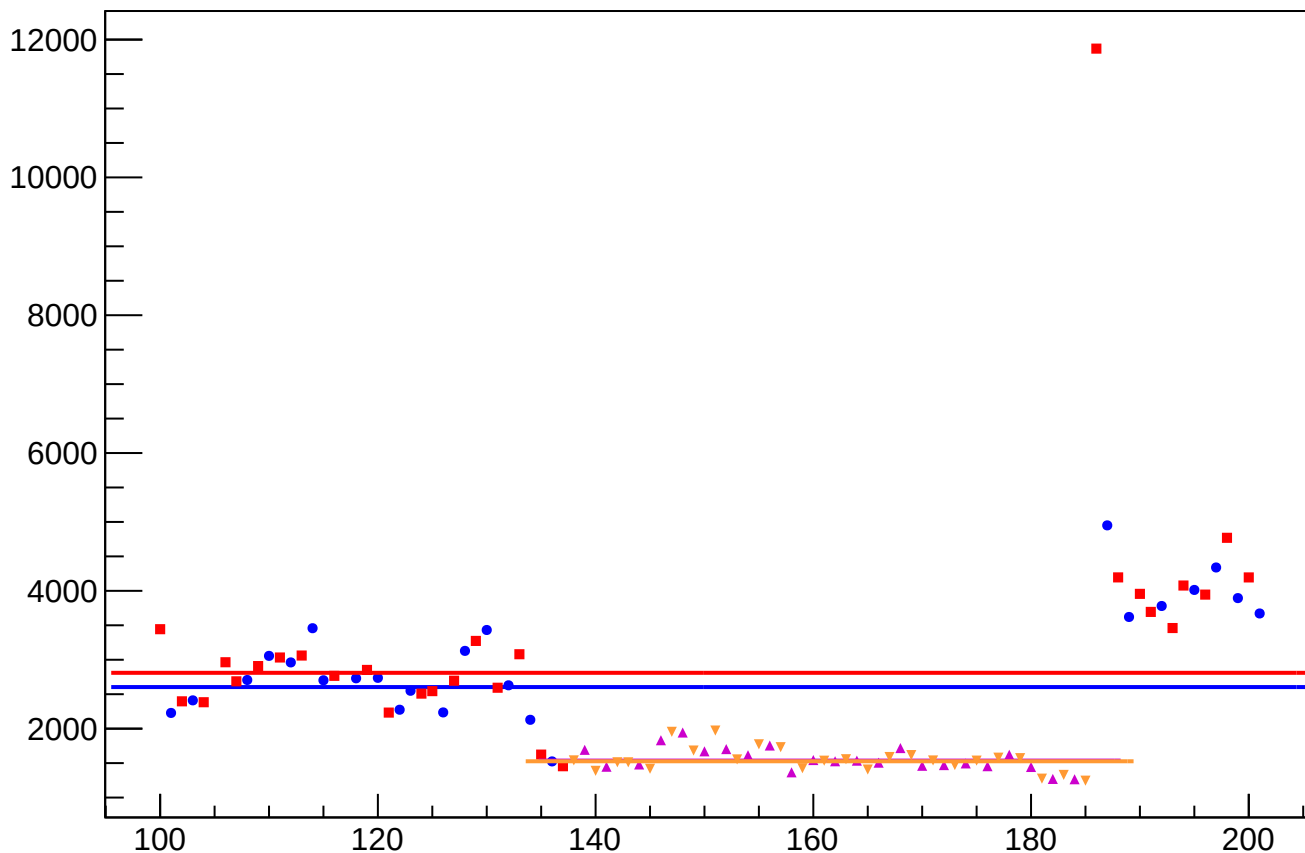
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -947.677 ± 327.626 χ^2/NDF : 56.0/48

All: -483.351 ± 235.023 χ^2/NDF : 122.8/99

- sign 8.895 ± 337.332 χ^2/NDF : 62.6/50

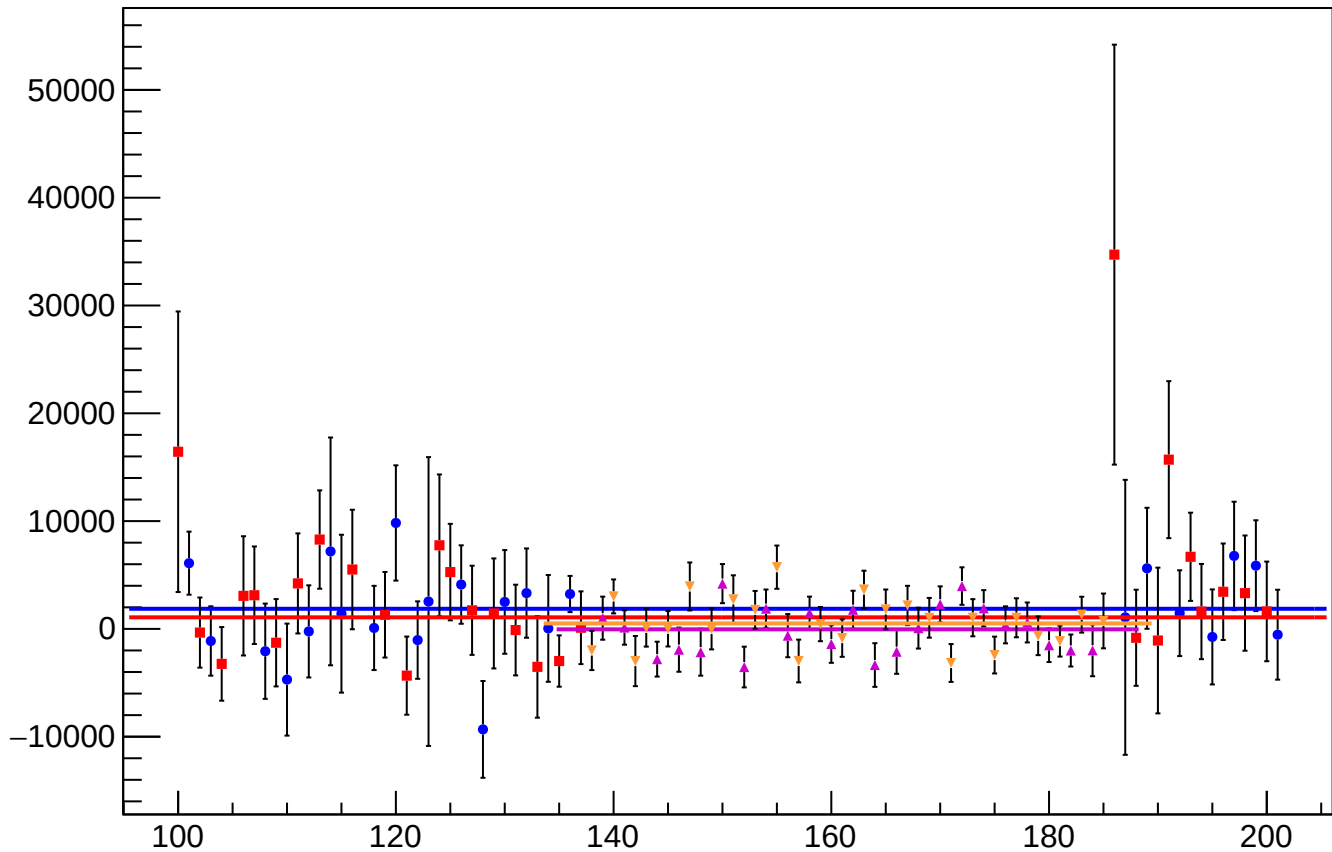
asym_sam_26_dd_correction_rms vs Slug



Right In: 2603.634 $\pm$ 0.576 χ^2 /NDF: 2141504.3/23
 Left Out: 1526.712 $\pm$ 0.253 χ^2 /NDF: 394892.7/24
 Right Out: 2810.342 $\pm$ 0.582 χ^2 /NDF: 2513712.1/27
 Left In: 1536.538 $\pm$ 0.262 χ^2 /NDF: 350373.3/22

+ sign 1700.948 $\pm$ 0.232 χ^2 /NDF: 5466940.5/48
 All: 1725.078 $\pm$ 0.166 χ^2 /NDF: 12341318.3/50
 - sign 1750.658 $\pm$ 0.239 χ^2 /NDF: 6852027.8/50

asym_sam_26_dd_mean vs Slug



Right In: 1866.098 ± 817.553 χ^2/NDF : 19.5/23

Left Out: 507.982 ± 361.172 χ^2/NDF : 35.4/24

Right Out: 1072.840 ± 825.552 χ^2/NDF : 25.3/27

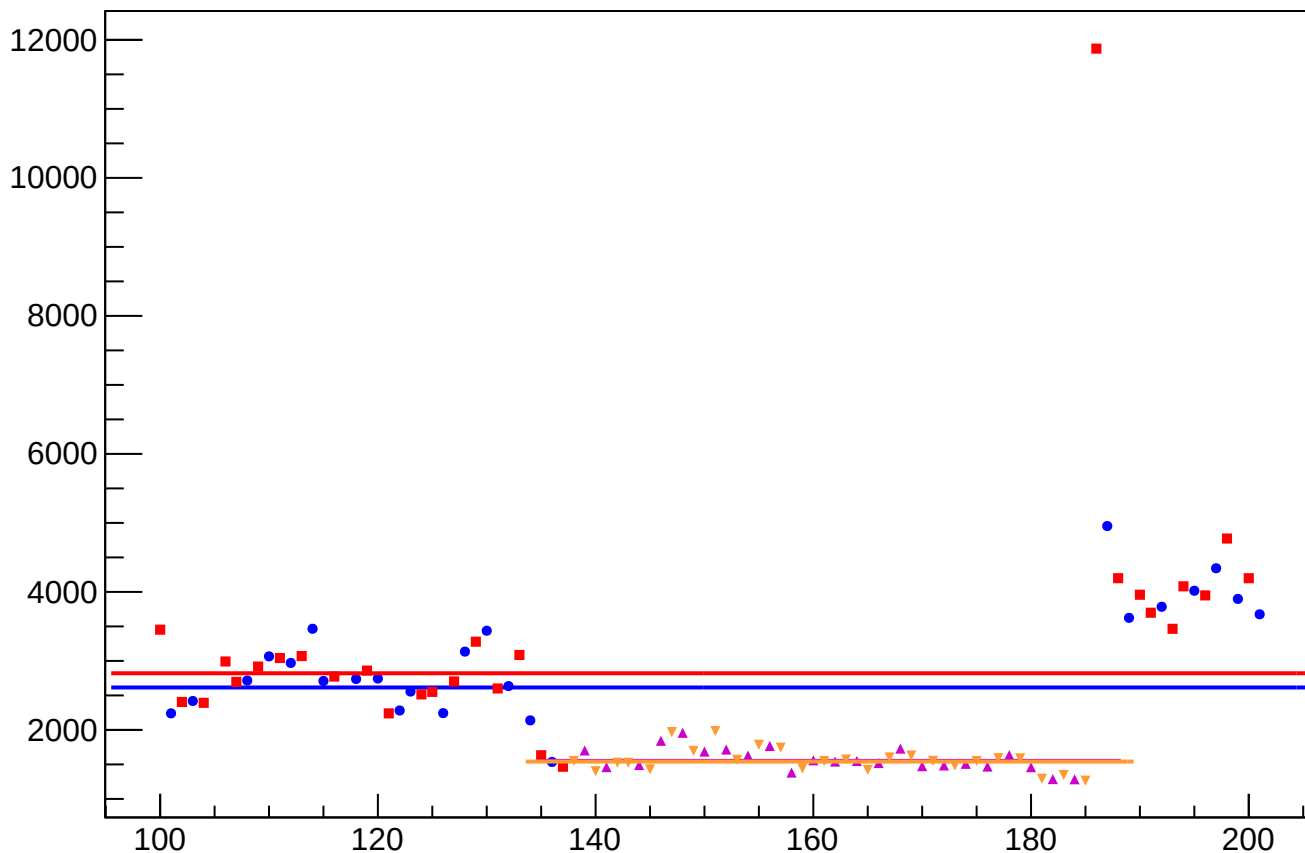
Left In: -40.080 ± 373.261 χ^2/NDF : 33.6/22

+ sign 729.754 ± 330.370 χ^2/NDF : 57.1/48

All: 447.724 ± 236.976 χ^2/NDF : 119.0/99

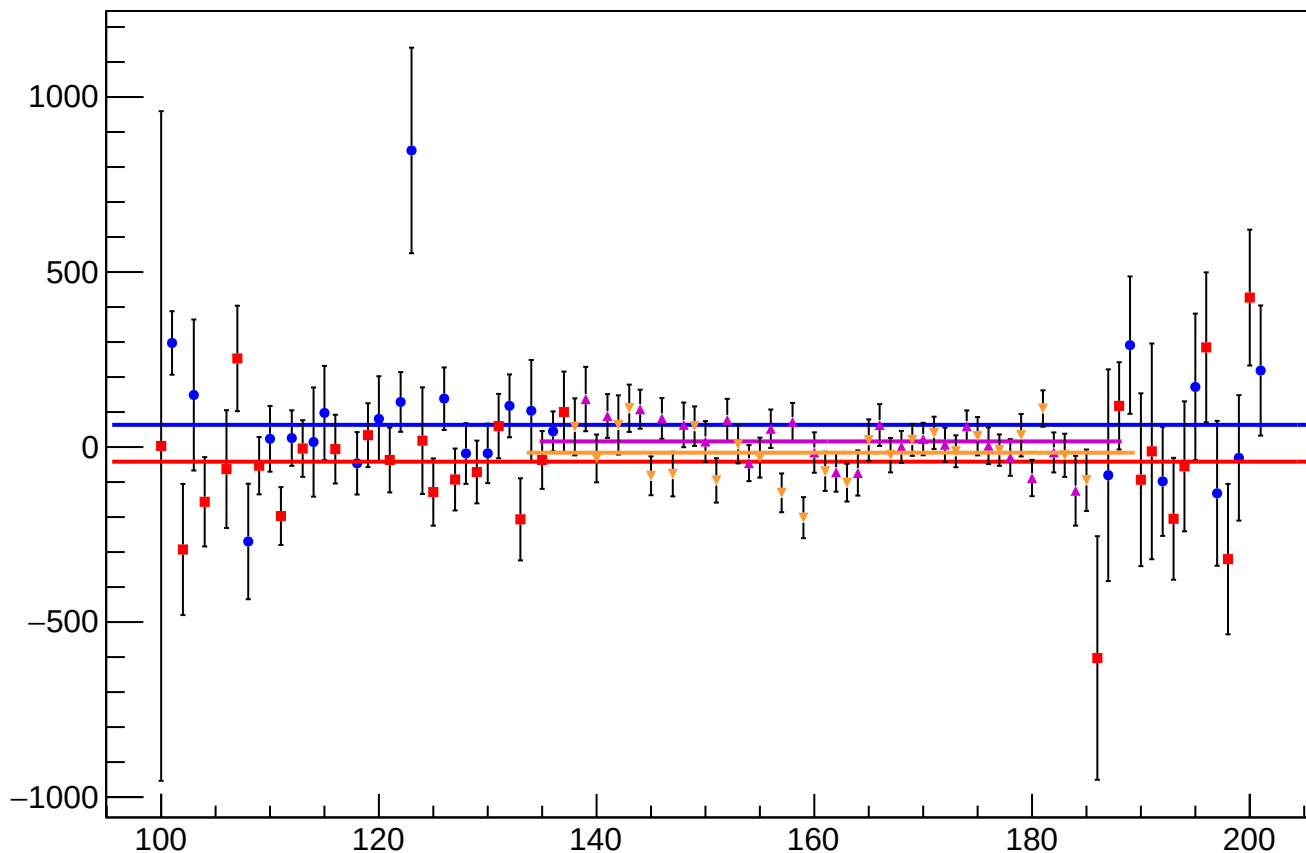
- sign 148.815 ± 340.113 χ^2/NDF : 60.4/50

asym_sam_26_dd_rms vs Slug



Right In: 2615.186+/-0.578	χ^2/NDF : 2113906.2/23	+ sign 1716.624+/-0.234	χ^2/NDF : 5383447.0/48
Left Out: 1541.258+/-0.255	χ^2/NDF : 382045.4/24	All: 1740.887+/-0.168	χ^2/NDF : 12163989.9/50
Right Out: 2820.964+/-0.584	χ^2/NDF : 2490257.6/27	- sign 1766.602+/-0.240	χ^2/NDF : 6758322.4/50
Left In: 1551.063+/-0.264	χ^2/NDF : 338898.9/22		

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.468 ± 22.642 χ^2/NDF : 28.6/23

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -41.792 ± 22.321 χ^2/NDF : 32.2/27

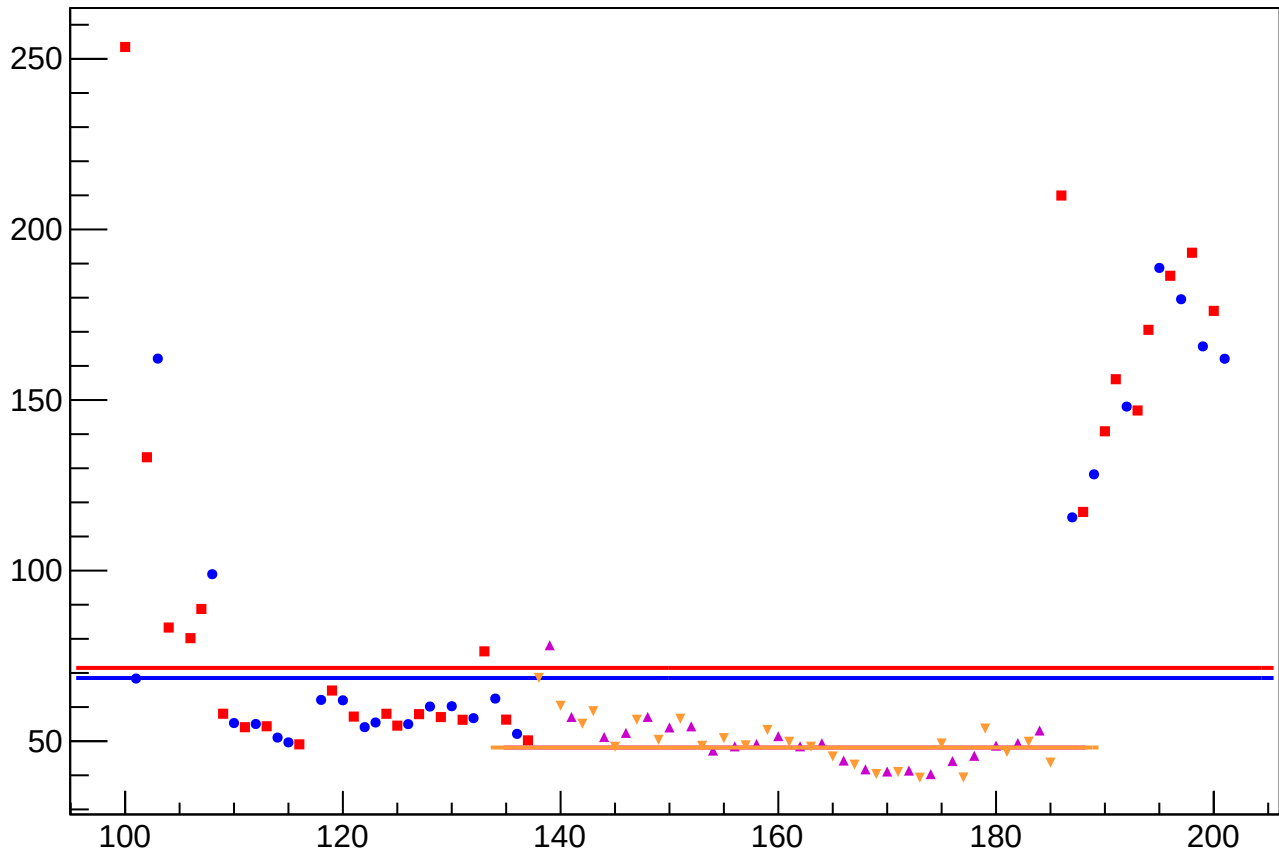
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -0.103 ± 10.139 χ^2/NDF : 78.1/48

All: 1.790 ± 7.235 χ^2/NDF : 140.8/99

- sign 3.755 ± 10.328 χ^2/NDF : 62.7/50

reg_asym_sam_37_dd_rms vs Slug



Right In: 68.524 ± 0.016 χ^2/NDF : 4054012.6/23

Left Out: 48.141 ± 0.008 χ^2/NDF : 655250.3/24

Right Out: 71.480 ± 0.016 χ^2/NDF : 4740055.1/27

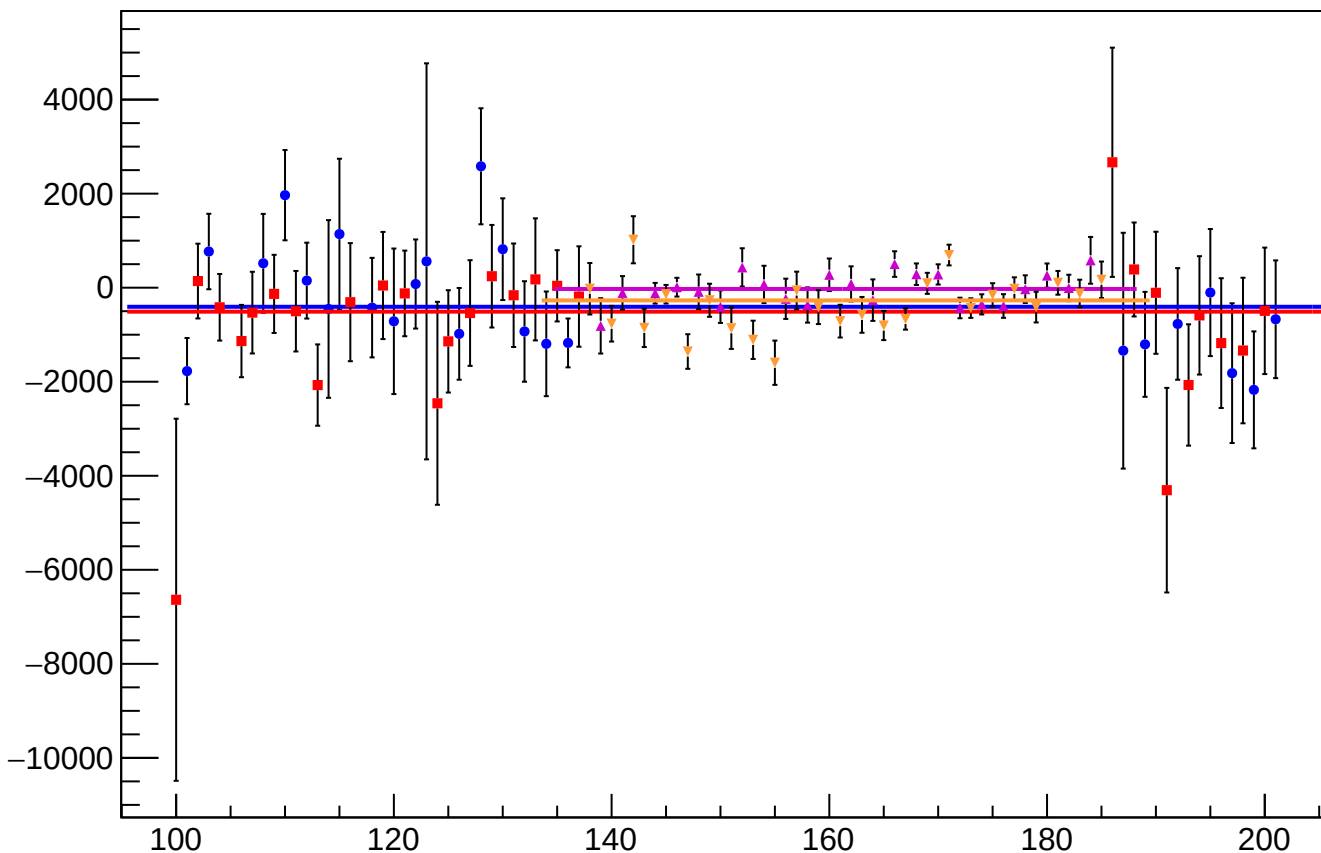
Left In: 48.139 ± 0.008 χ^2/NDF : 575025.5/22

+ sign 52.228 ± 0.007 χ^2/NDF : 6005055.7/48

All: 52.674 ± 0.005 χ^2/NDF : 13046801.3/99

- sign 53.136 ± 0.007 χ^2/NDF : 7033878.5/50

asym_sam_37_dd_correction_mean vs Slug



Right In: -406.093 ± 212.494 χ^2/NDF : 28.8/23

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -509.629 ± 200.615 χ^2/NDF : 18.0/27

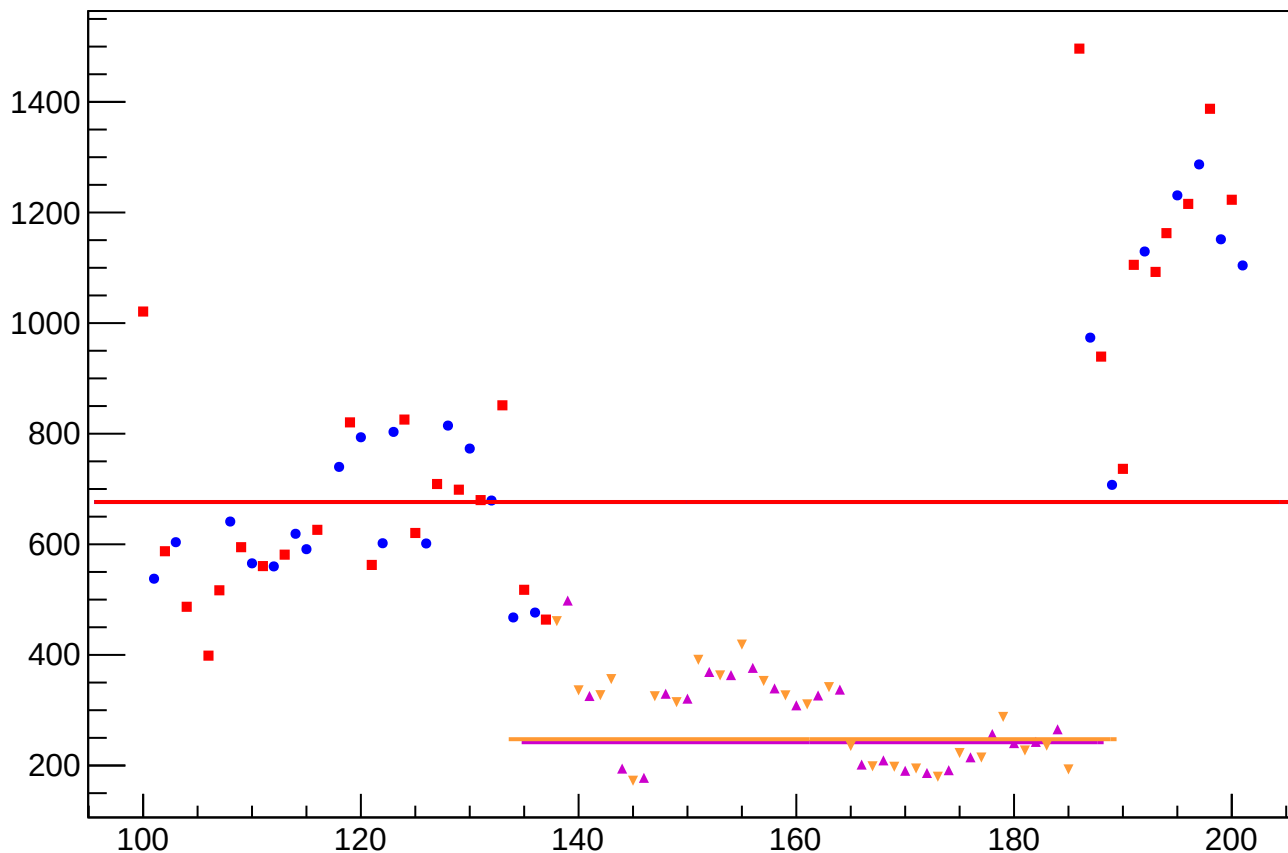
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -280.302 ± 57.900 χ^2/NDF : 99.2/48

All: -173.779 ± 40.928 χ^2/NDF : 154.4/99

- sign -67.398 ± 57.862 χ^2/NDF : 48.4/50

asym_sam_37_dd_correction_rms vs Slug



Right In: 676.418 ± 0.150 $\chi^2/\text{NDF}: 2144215.2/23$

Left Out: 247.570 ± 0.043 $\chi^2/\text{NDF}: 2780931.0/24$

Right Out: 676.530 ± 0.142 $\chi^2/\text{NDF}: 2890323.4/27$

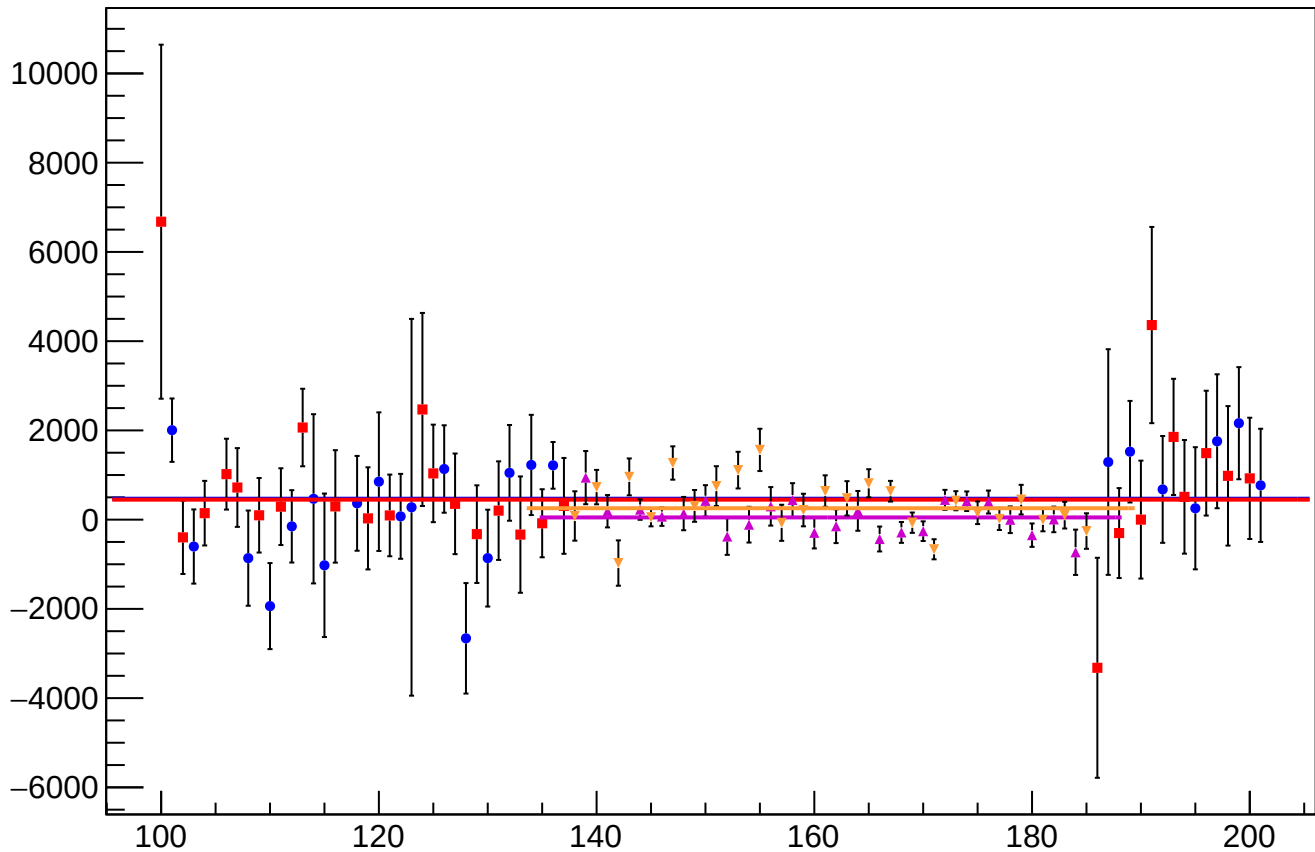
Left In: 242.117 ± 0.043 $\chi^2/\text{NDF}: 2466108.9/22$

+ sign 279.410 ± 0.041 $\chi^2/\text{NDF}: 12466328.8/48$

All: 278.832 ± 0.029 $\chi^2/\text{NDF}: 26420970.3/99$

- sign 278.255 ± 0.041 $\chi^2/\text{NDF}: 13954242.9/50$

asym_sam_37_dd_mean vs Slug



Right In: 469.120 $\pm$ 214.444 χ^2 /NDF: 30.6/23

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF: 63.6/24

Right Out: 447.809 $\pm$ 202.909 χ^2 /NDF: 19.0/27

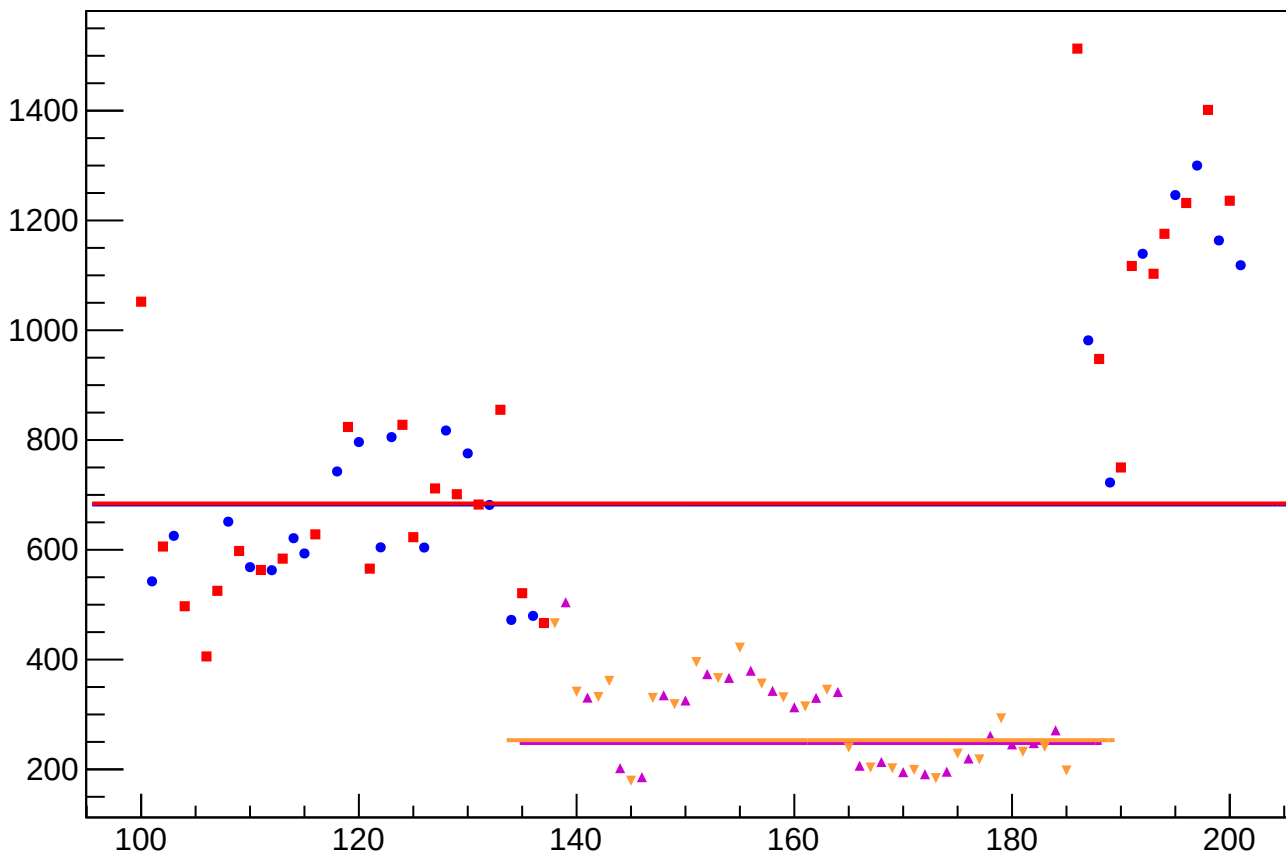
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF: 27.5/22

+ sign 272.152 $\pm$ 59.044 χ^2 /NDF: 95.1/48

All: 177.967 $\pm$ 41.771 χ^2 /NDF: 150.2/99

- sign 83.596 $\pm$ 59.102 χ^2 /NDF: 50.0/50

asym_sam_37_dd_rms vs Slug



Right In: 682.566 $\pm$ 0.152 χ^2 /NDF: 2151898.0/23

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 684.372 $\pm$ 0.143 χ^2 /NDF: 2866638.5/27

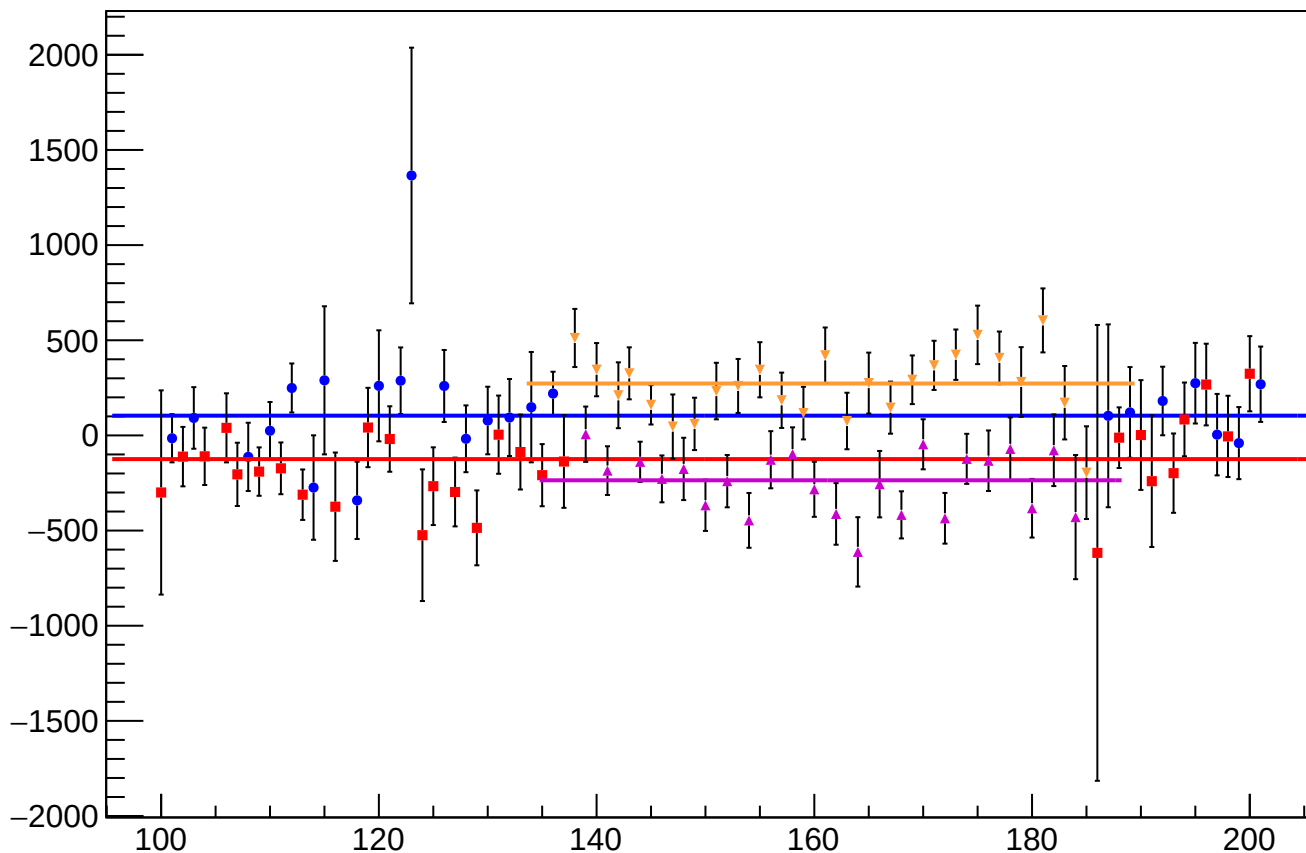
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 285.692 $\pm$ 0.042 χ^2 /NDF: 12230036.8/48

All: 285.389 $\pm$ 0.030 χ^2 /NDF: 25902600.0/99

- sign 285.085 $\pm$ 0.042 χ^2 /NDF: 13672457.5/50

reg_asym_sam_48_dd_mean vs Slug



Right In: 103.773 ± 38.313 χ^2/NDF : 20.3/23

Left Out: 272.684 ± 29.221 χ^2/NDF : 27.4/24

Right Out: -124.491 ± 36.060 χ^2/NDF : 23.2/27

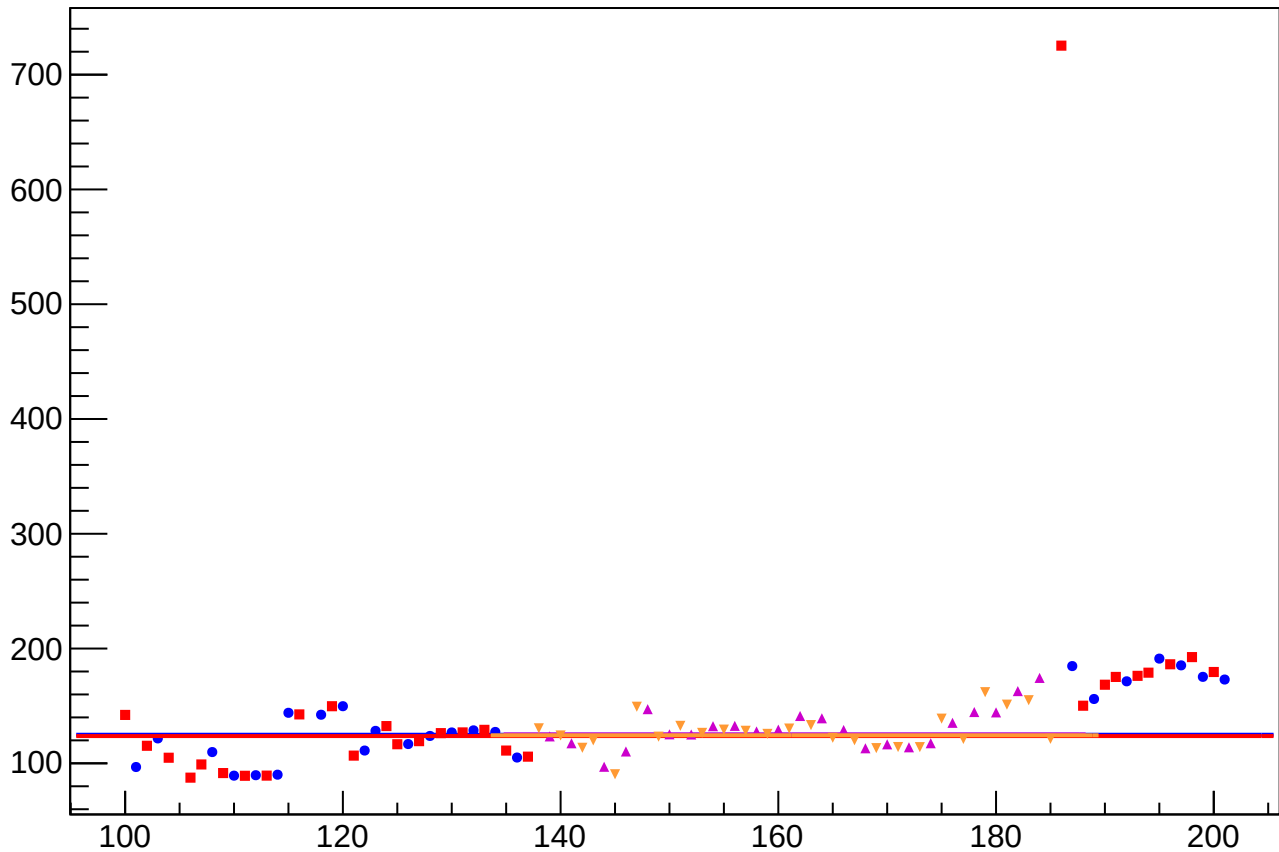
Left In: -235.801 ± 30.232 χ^2/NDF : 24.6/22

+ sign 210.563 ± 23.235 χ^2/NDF : 60.0/48

All: 9.770 ± 16.405 χ^2/NDF : 262.4/99

- sign -189.858 ± 23.167 χ^2/NDF : 53.4/50

reg_asym_sam_48_dd_rms vs Slug



Right In: 124.892 $\pm$ 0.027 χ^2 /NDF: 1332350.5/23

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 123.739 $\pm$ 0.025 χ^2 /NDF: 2124948.6/27

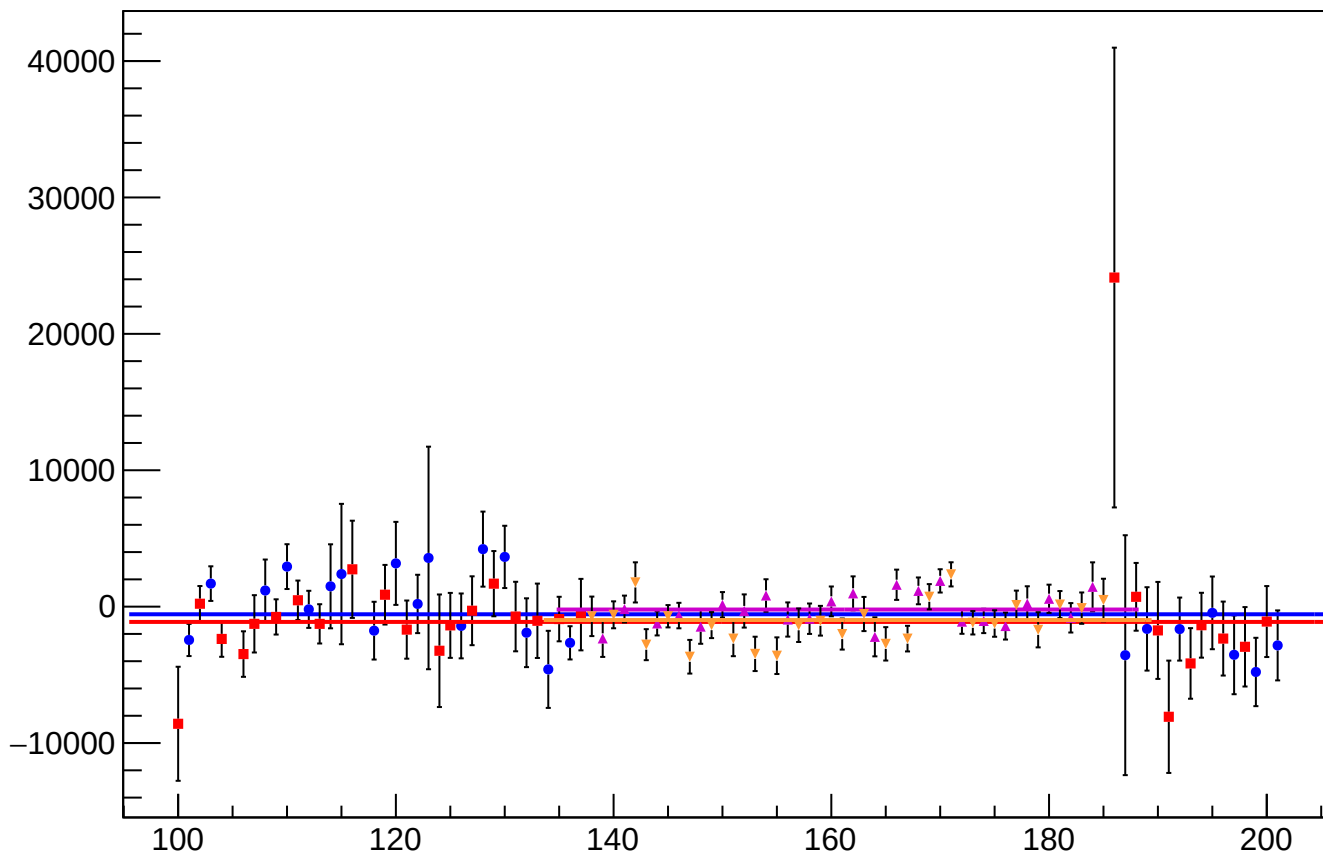
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 124.599 $\pm$ 0.016 χ^2 /NDF: 1872267.6/48

All: 124.600 $\pm$ 0.012 χ^2 /NDF: 4500545.9/99

- sign 124.600 $\pm$ 0.016 χ^2 /NDF: 2628278.3/50

asym_sam_48_dd_correction_mean vs Slug



Right In: -559.582 ± 426.828 χ^2/NDF : 30.8/23

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1119.648 ± 398.515 χ^2/NDF : 20.0/27

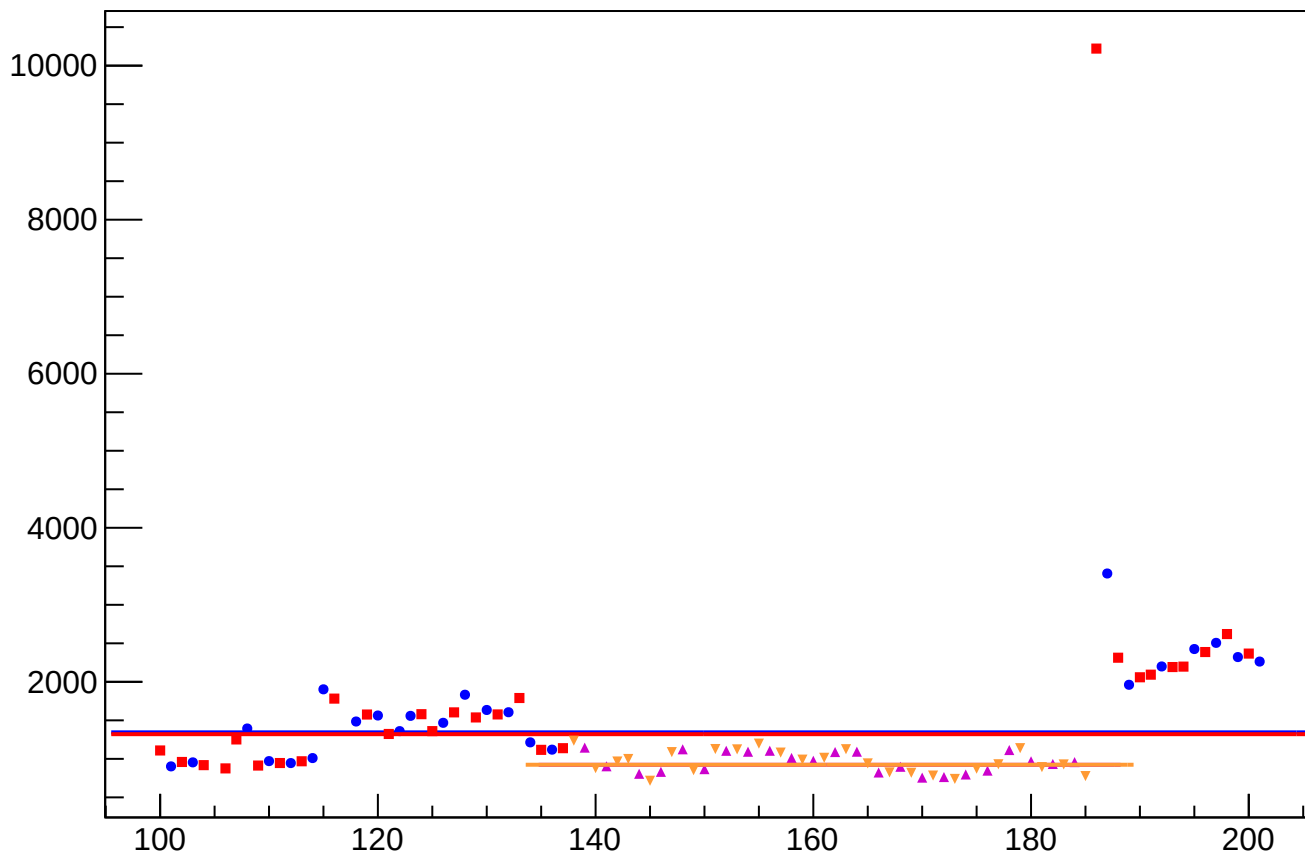
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -895.257 ± 194.158 χ^2/NDF : 78.8/48

All: -662.616 ± 137.517 χ^2/NDF : 131.3/99

- sign -428.434 ± 194.801 χ^2/NDF : 49.6/50

asym_sam_48_dd_correction_rms vs Slug



Right In: 1343.993+/-0.302 χ^2/NDF : 2687886.3/23

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

+ sign 1010.578+/-0.137 χ^2/NDF : 5069435.8/48

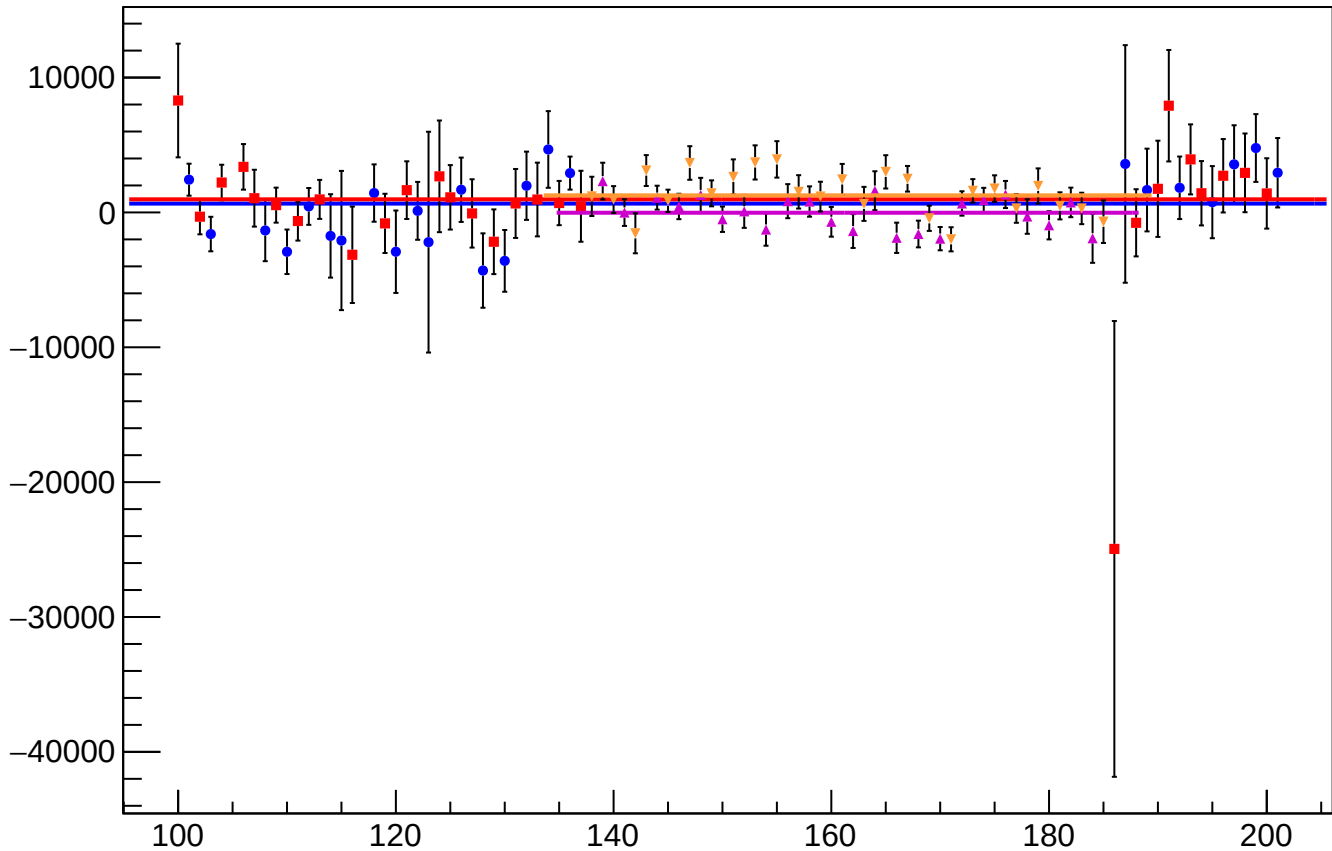
Right Out: 1320.461+/-0.282 χ^2/NDF : 3740806.8/27

All: 1013.975+/-0.097 χ^2/NDF : 10966016.8/50

Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

- sign 1017.395+/-0.138 χ^2/NDF : 5895352.1/50

asym_sam_48_dd_mean vs Slug



Right In: 655.149 ± 428.803 χ^2/NDF : 30.9/23

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 972.232 ± 400.541 χ^2/NDF : 20.4/27

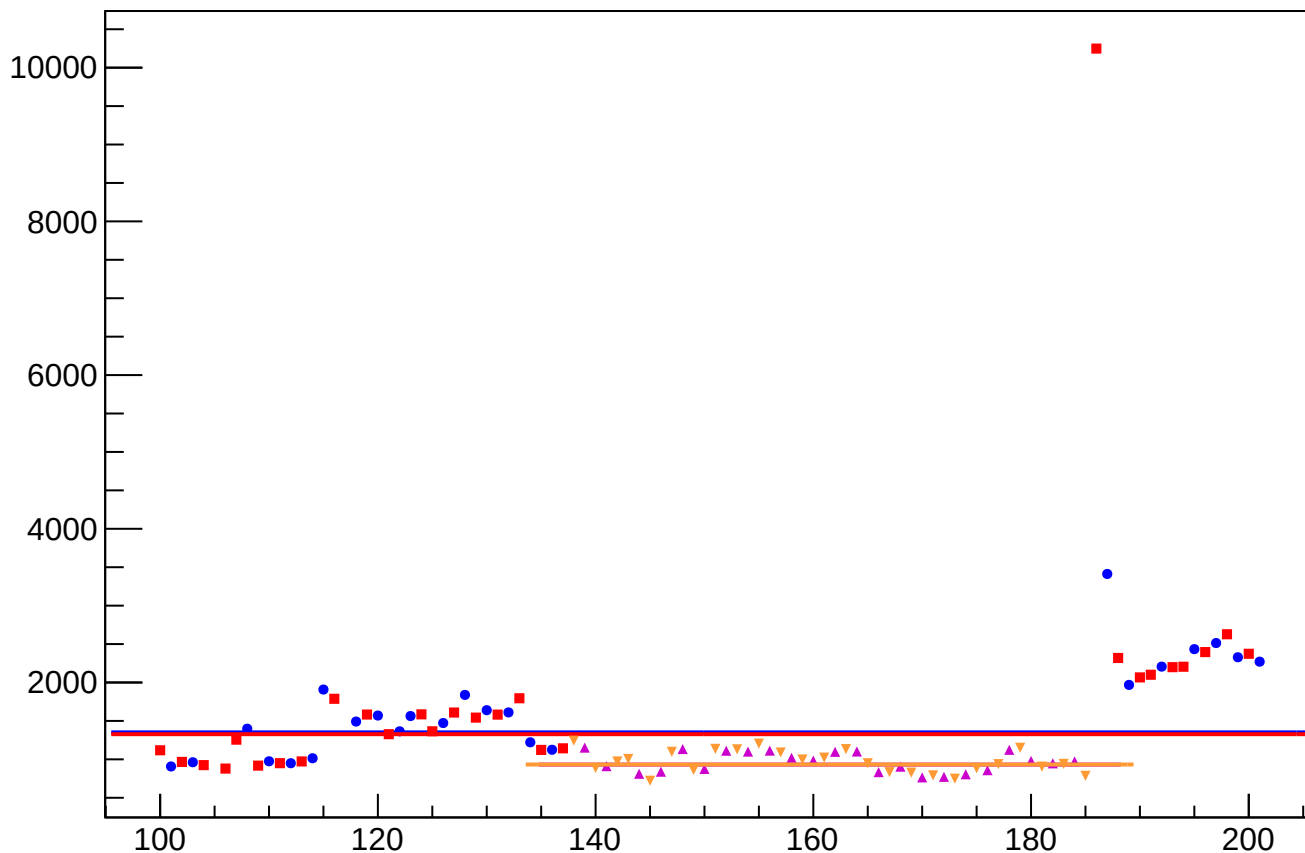
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1139.654 ± 195.835 χ^2/NDF : 77.4/48

All: 679.450 ± 138.708 χ^2/NDF : 140.8/99

- sign 216.148 ± 196.493 χ^2/NDF : 52.3/50

asym_sam_48_dd_rms vs Slug



Right In: 1350.751+/-0.303 χ^2/NDF : 2673248.3/23

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1327.512+/-0.283 χ^2/NDF : 3722156.5/27

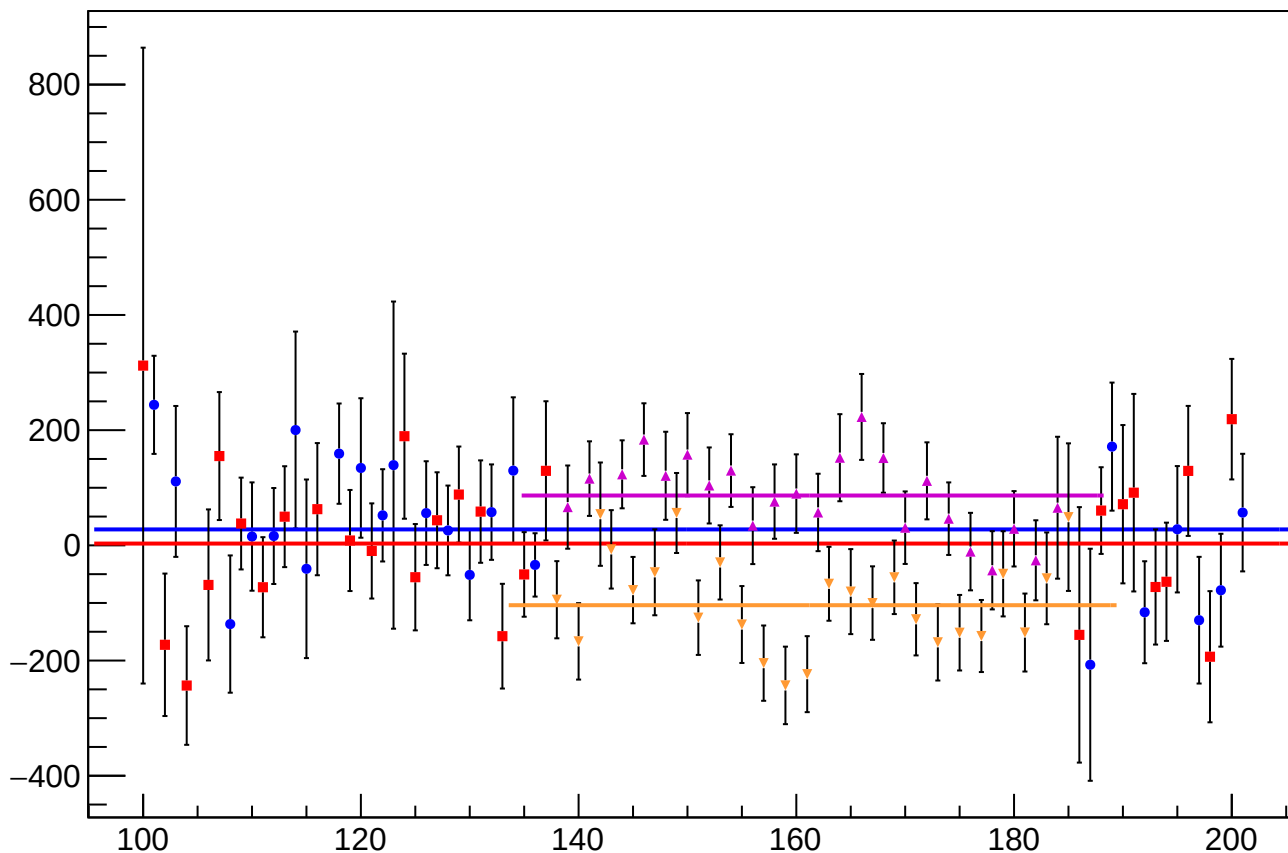
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1019.946+/-0.138 χ^2/NDF : 5007051.5/48

All: 1023.361+/-0.098 χ^2/NDF : 10839459.6/9

- sign 1026.798+/-0.139 χ^2/NDF : 5831188.1/50

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 27.680 ± 19.786 $\chi^2/\text{NDF}: 25.4/23$

Left Out: -103.899 ± 13.642 $\chi^2/\text{NDF}: 30.0/24$

Right Out: 3.117 ± 19.048 $\chi^2/\text{NDF}: 31.4/27$

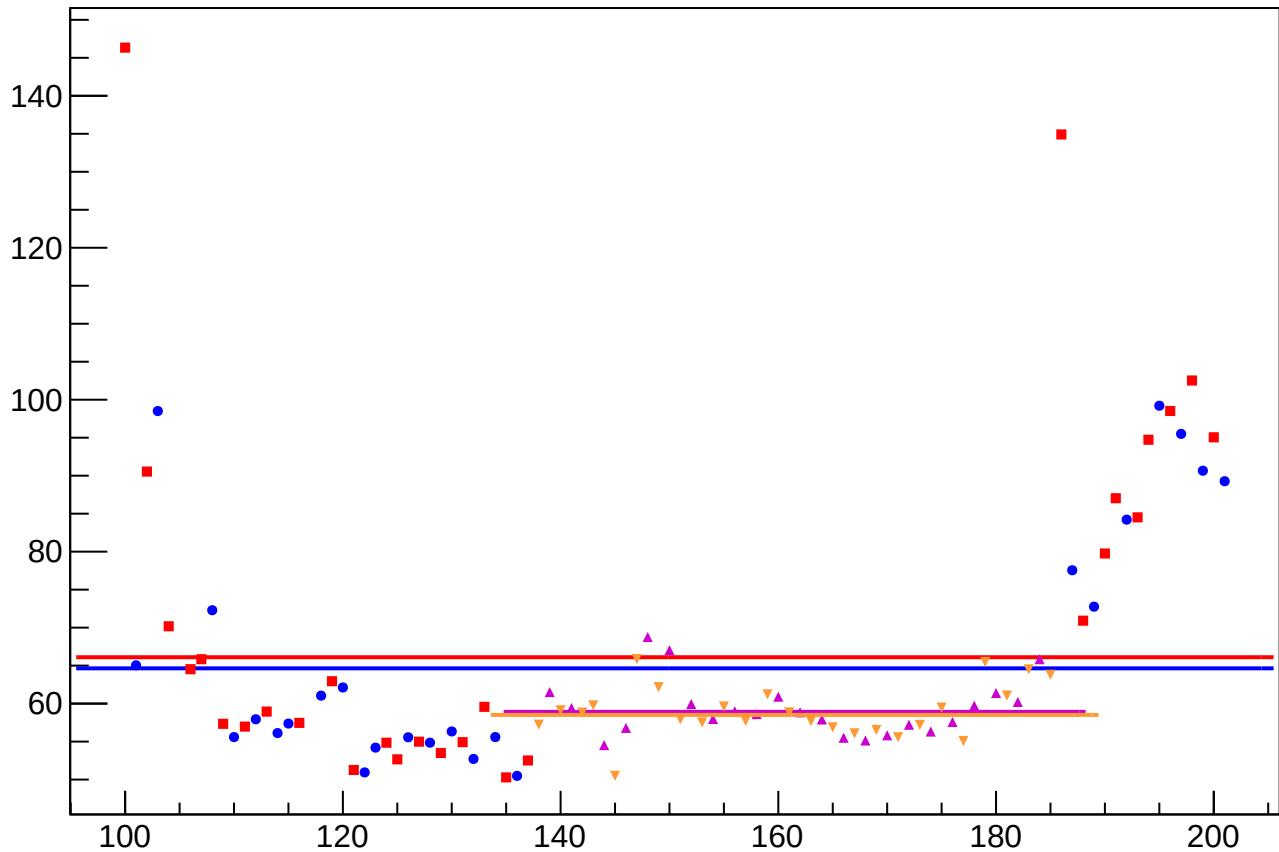
Left In: 86.542 ± 14.120 $\chi^2/\text{NDF}: 21.4/22$

+ sign -61.501 ± 11.231 $\chi^2/\text{NDF}: 85.4/48$

All: -2.860 ± 7.981 $\chi^2/\text{NDF}: 205.5/99$

- sign 56.957 ± 11.343 $\chi^2/\text{NDF}: 65.1/50$

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.640 $\pm$ 0.014 χ^2 /NDF: 1236622.6/23

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 66.103 $\pm$ 0.013 χ^2 /NDF: 1554290.9/27

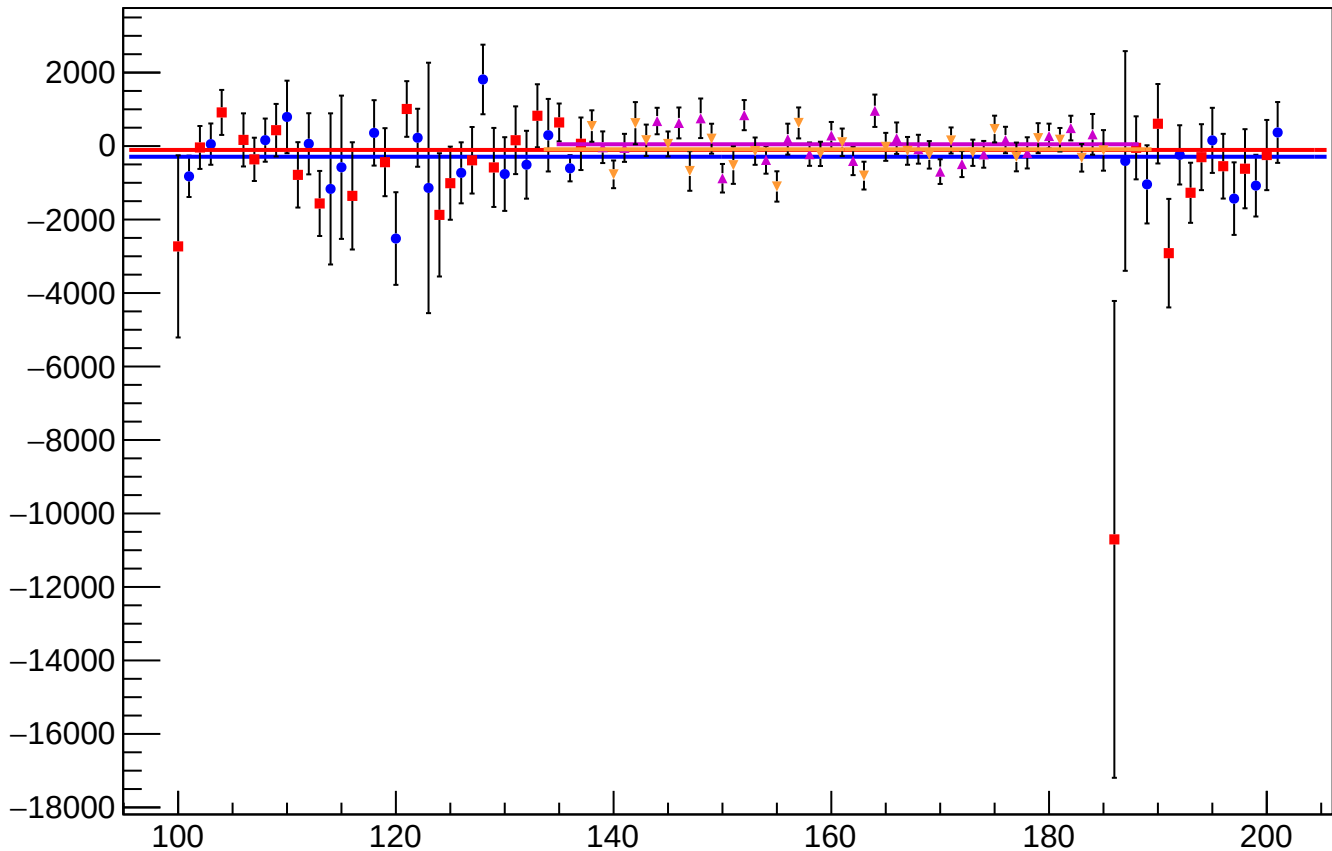
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 60.487 $\pm$ 0.008 χ^2 /NDF: 1489853.2/48

All: 60.970 $\pm$ 0.006 χ^2 /NDF: 3345490.0/99

- sign 61.463 $\pm$ 0.008 χ^2 /NDF: 1848162.5/50

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -290.988 ± 164.144 χ^2/NDF : 17.8/23

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -105.635 ± 160.498 χ^2/NDF : 26.1/27

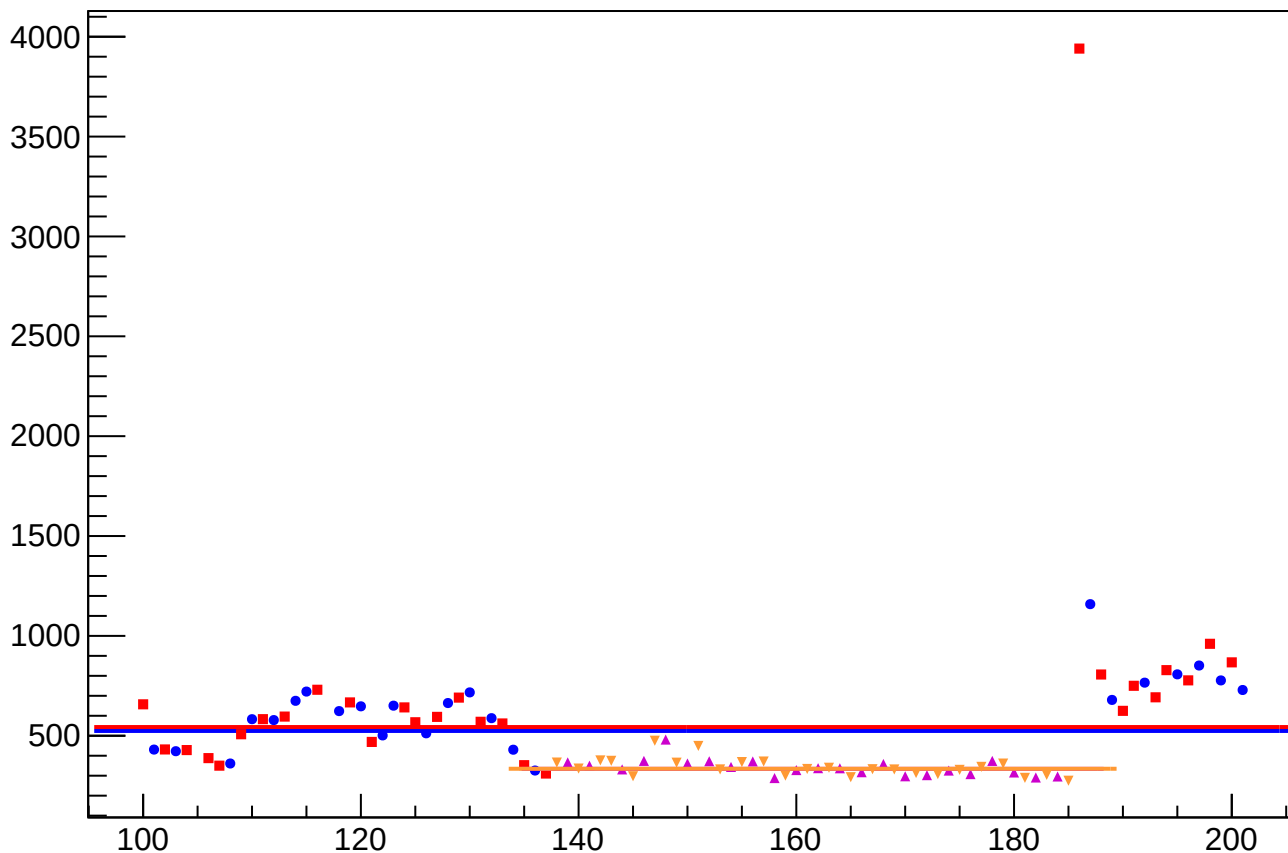
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -125.388 ± 70.860 χ^2/NDF : 46.8/48

All: -54.985 ± 50.500 χ^2/NDF : 111.0/99

- sign 17.682 ± 71.990 χ^2/NDF : 62.1/50

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 524.034 ± 0.116 $\chi^2/\text{NDF}: 2175579.3/23$

Left Out: 334.749 ± 0.056 $\chi^2/\text{NDF}: 491370.4/24$

+ sign 370.023 ± 0.050 $\chi^2/\text{NDF}: 4830891.6/48$

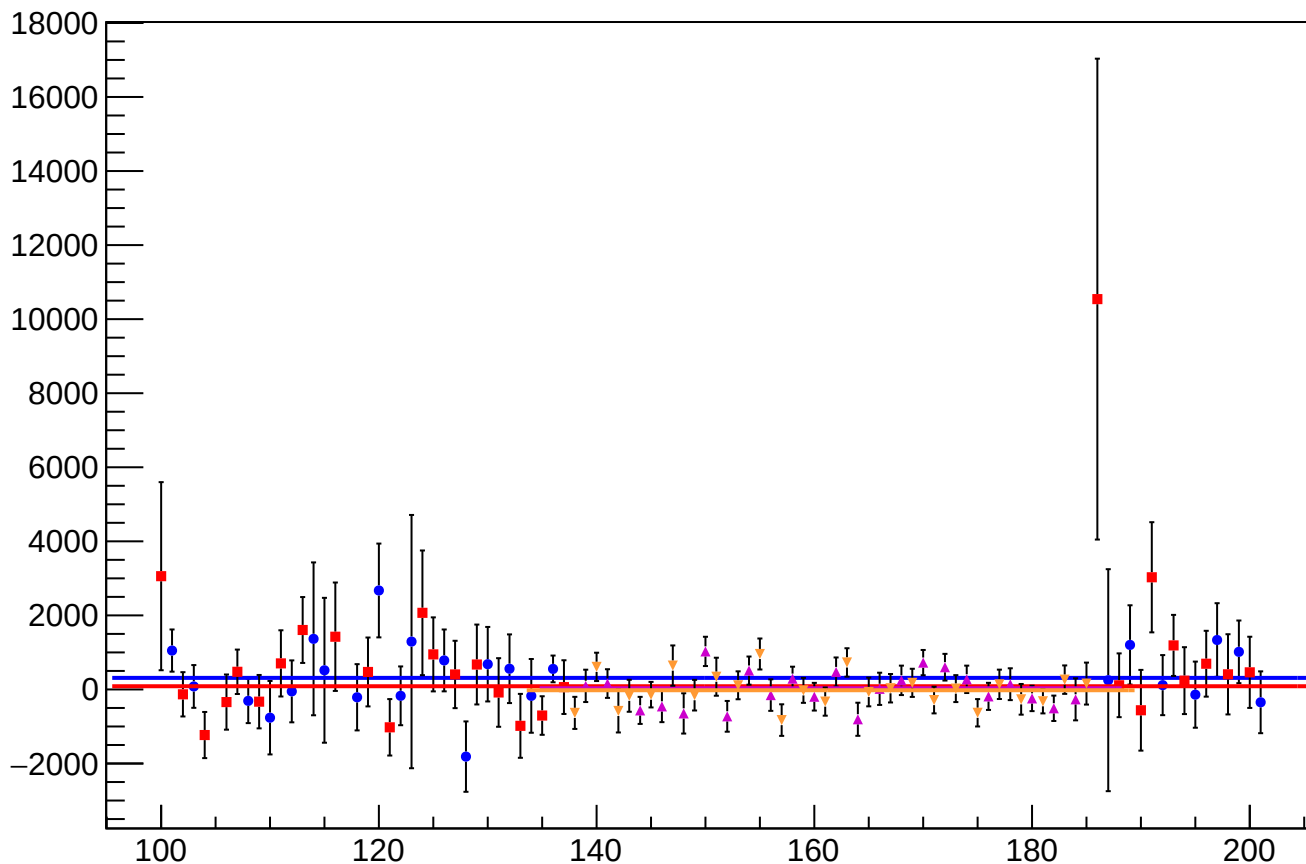
Right Out: 543.567 ± 0.113 $\chi^2/\text{NDF}: 2826833.2/27$

All: 373.102 ± 0.036 $\chi^2/\text{NDF}: 10782625.6/99$

Left In: 334.147 ± 0.057 $\chi^2/\text{NDF}: 397200.6/22$

- sign 376.280 ± 0.051 $\chi^2/\text{NDF}: 5944060.2/50$

asym_sam_13_57_dd_mean vs Slug



Right In: 312.535 ± 165.920 $\chi^2/\text{NDF}: 18.4/23$

Left Out: -20.895 ± 79.812 $\chi^2/\text{NDF}: 27.2/24$

Right Out: 86.751 ± 162.280 $\chi^2/\text{NDF}: 29.4/27$

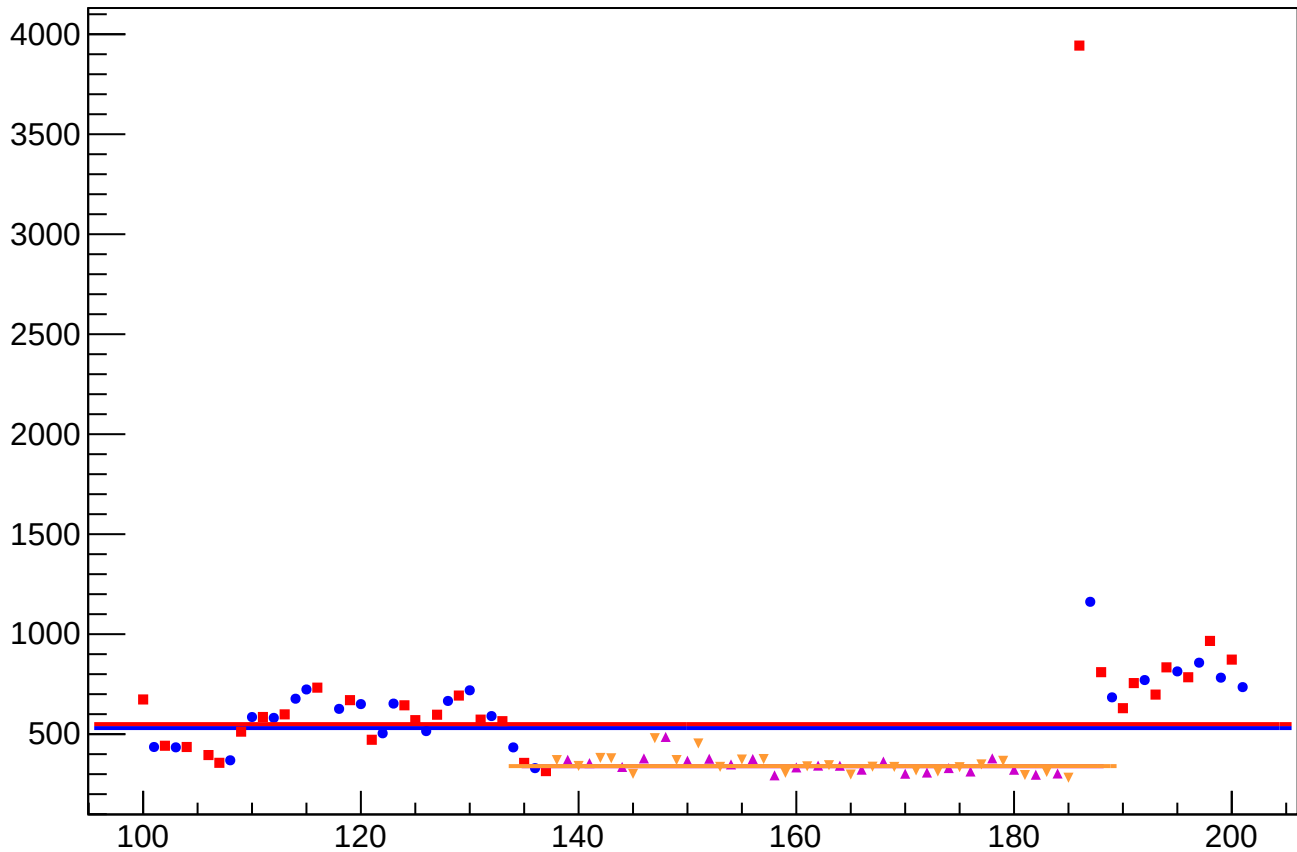
Left In: 31.800 ± 81.839 $\chi^2/\text{NDF}: 34.0/22$

+ sign 41.759 ± 71.923 $\chi^2/\text{NDF}: 48.9/48$

All: 42.341 ± 51.259 $\chi^2/\text{NDF}: 112.4/99$

- sign 42.942 ± 73.073 $\chi^2/\text{NDF}: 63.5/50$

asym_sam_13_57_dd_rms vs Slug



Right In: 530.454+/-0.117 χ^2/NDF : 2120492.6/23

Left Out: 340.238+/-0.056 χ^2/NDF : 468863.6/24

Right Out: 550.233+/-0.115 χ^2/NDF : 2766528.7/27

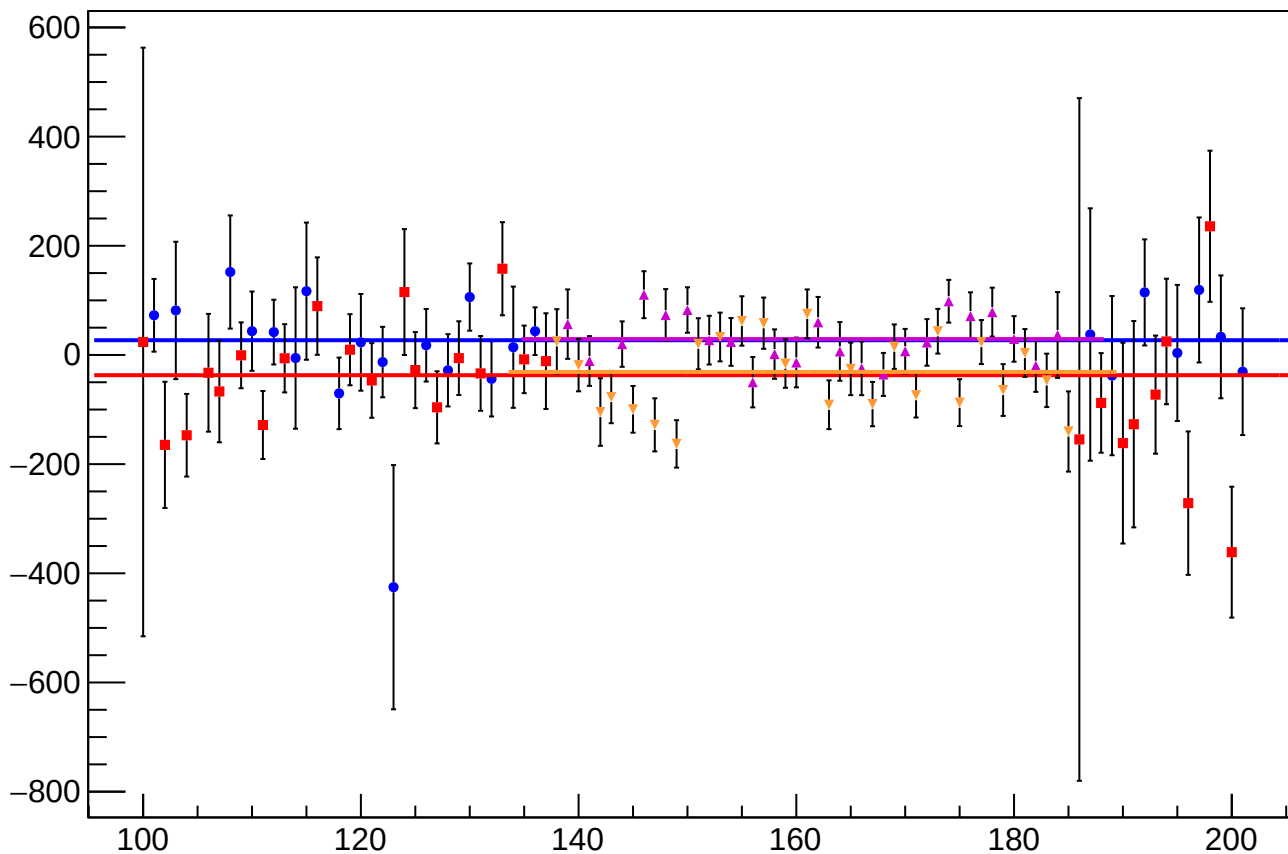
Left In: 339.621+/-0.058 χ^2/NDF : 379808.1/22

+ sign 375.981+/-0.051 χ^2/NDF : 4724051.5/48

All: 379.103+/-0.036 χ^2/NDF : 10563738.1/99

- sign 382.325+/-0.052 χ^2/NDF : 5832029.3/50

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 27.003 ± 16.721 χ^2/NDF : 14.8/23

Left Out: -31.063 ± 9.170 χ^2/NDF : 52.6/24

Right Out: -37.079 ± 16.200 χ^2/NDF : 32.9/27

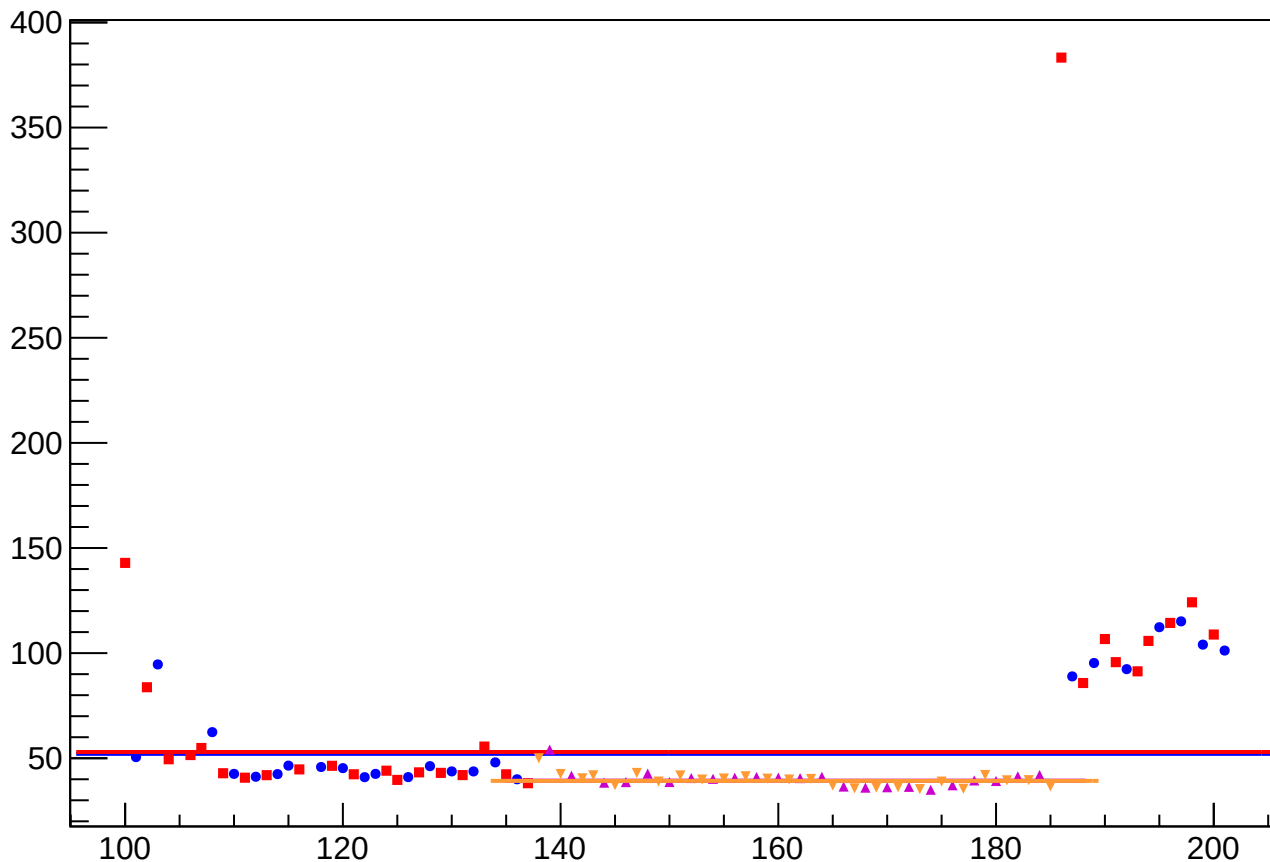
Left In: 29.055 ± 9.449 χ^2/NDF : 22.4/22

+ sign -17.638 ± 8.040 χ^2/NDF : 76.7/48

All: -2.911 ± 5.728 χ^2/NDF : 151.2/99

- sign 12.267 ± 8.162 χ^2/NDF : 67.7/50

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 52.093 $\pm$ 0.012 χ^2 /NDF: 3023718.7/23

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 52.975 $\pm$ 0.011 χ^2 /NDF: 3988212.1/27

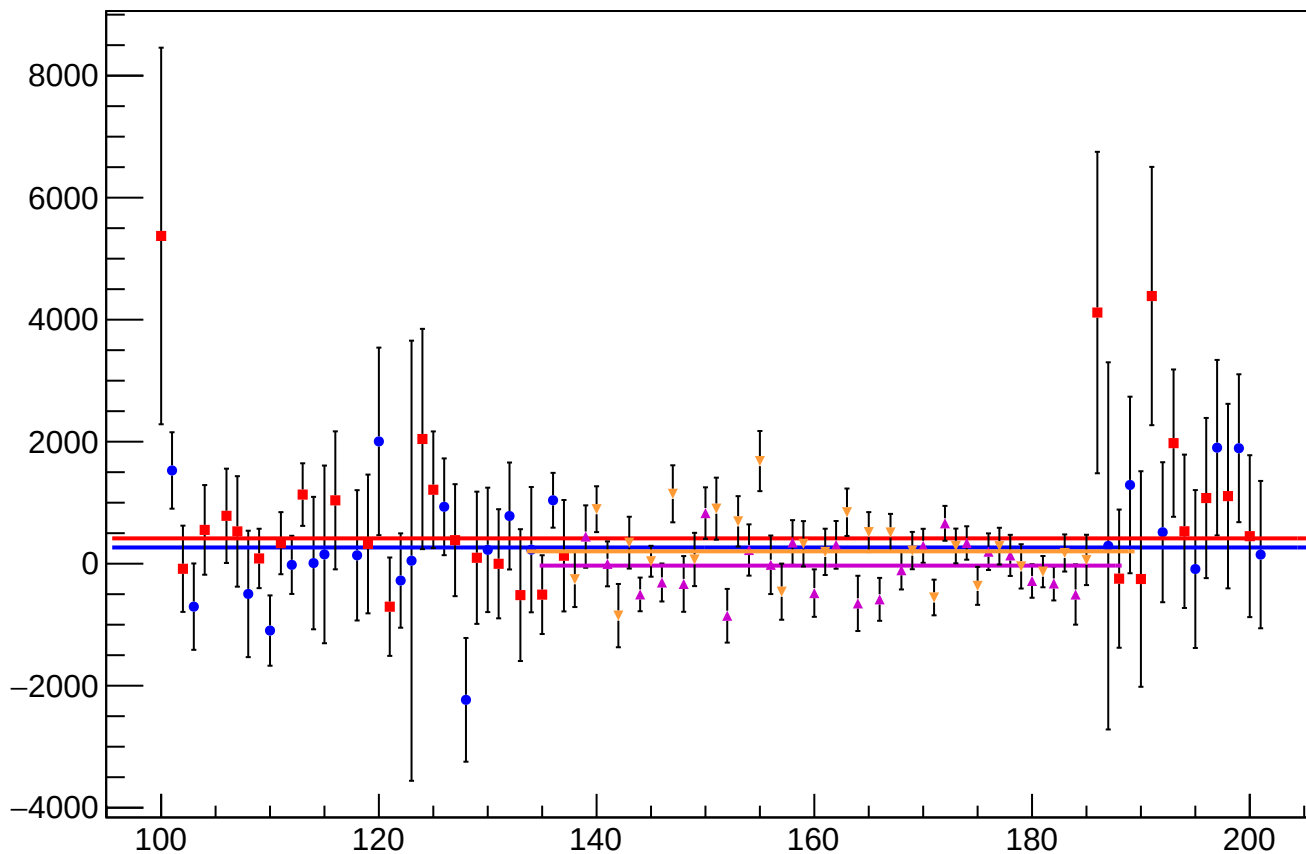
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 42.208 $\pm$ 0.006 χ^2 /NDF: 4134931.3/48

All: 42.500 $\pm$ 0.004 χ^2 /NDF: 9401563.3/99

- sign 42.800 $\pm$ 0.006 χ^2 /NDF: 5261288.4/50

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 265.863 ± 177.399 χ^2/NDF : 28.1/23

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 415.132 ± 168.213 χ^2/NDF : 20.9/27

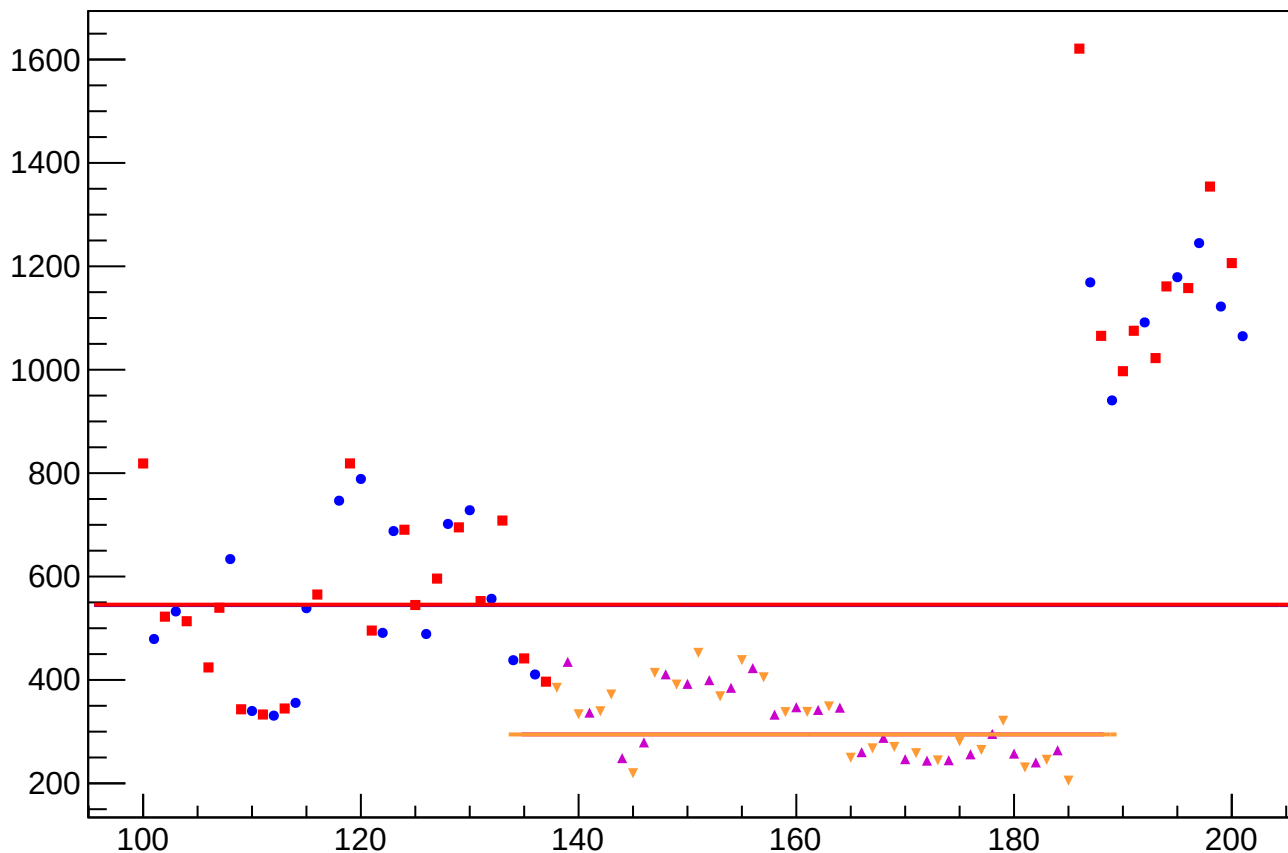
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 211.014 ± 65.456 χ^2/NDF : 73.0/48

All: 125.465 ± 46.569 χ^2/NDF : 136.6/99

- sign 37.778 ± 66.269 χ^2/NDF : 60.2/50

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 544.834 $\pm$ 0.125 χ^2 /NDF: 3679100.2/23

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF:1680474.5/24

Right Out: 545.570 $\pm$ 0.119 χ^2 /NDF: 4707769.4/27

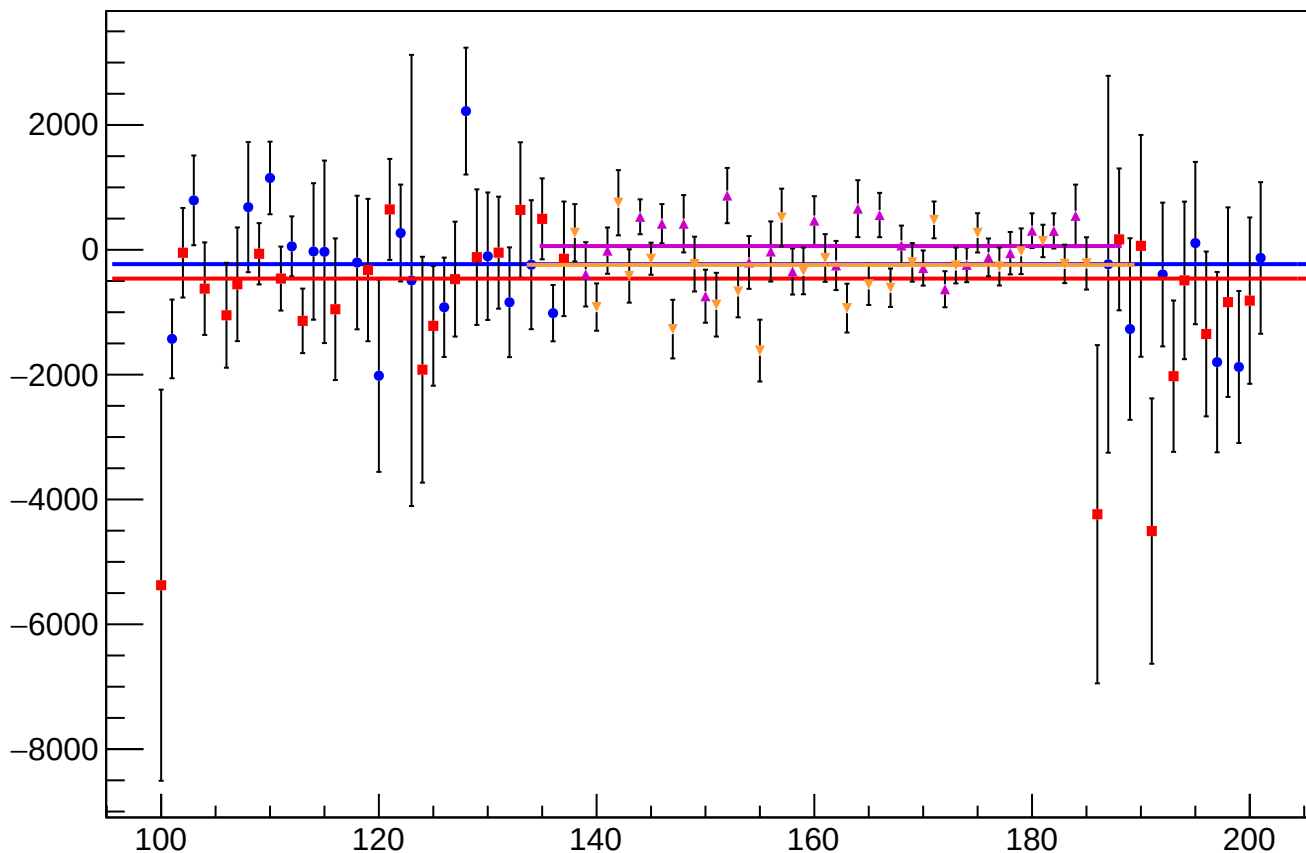
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF:1297310.3/22

+ sign 328.661 $\pm$ 0.046 χ^2 /NDF: 8797450.6/48

All: 331.127 $\pm$ 0.033 χ^2 /NDF: 18565660.9/99

- sign 333.655 $\pm$ 0.047 χ^2 /NDF: 9762461.6/50

asym_sam_15_37_dd_mean vs Slug



Right In: -229.579 ± 178.466 χ^2/NDF : 27.9/23

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -461.110 ± 169.866 χ^2/NDF : 20.9/27

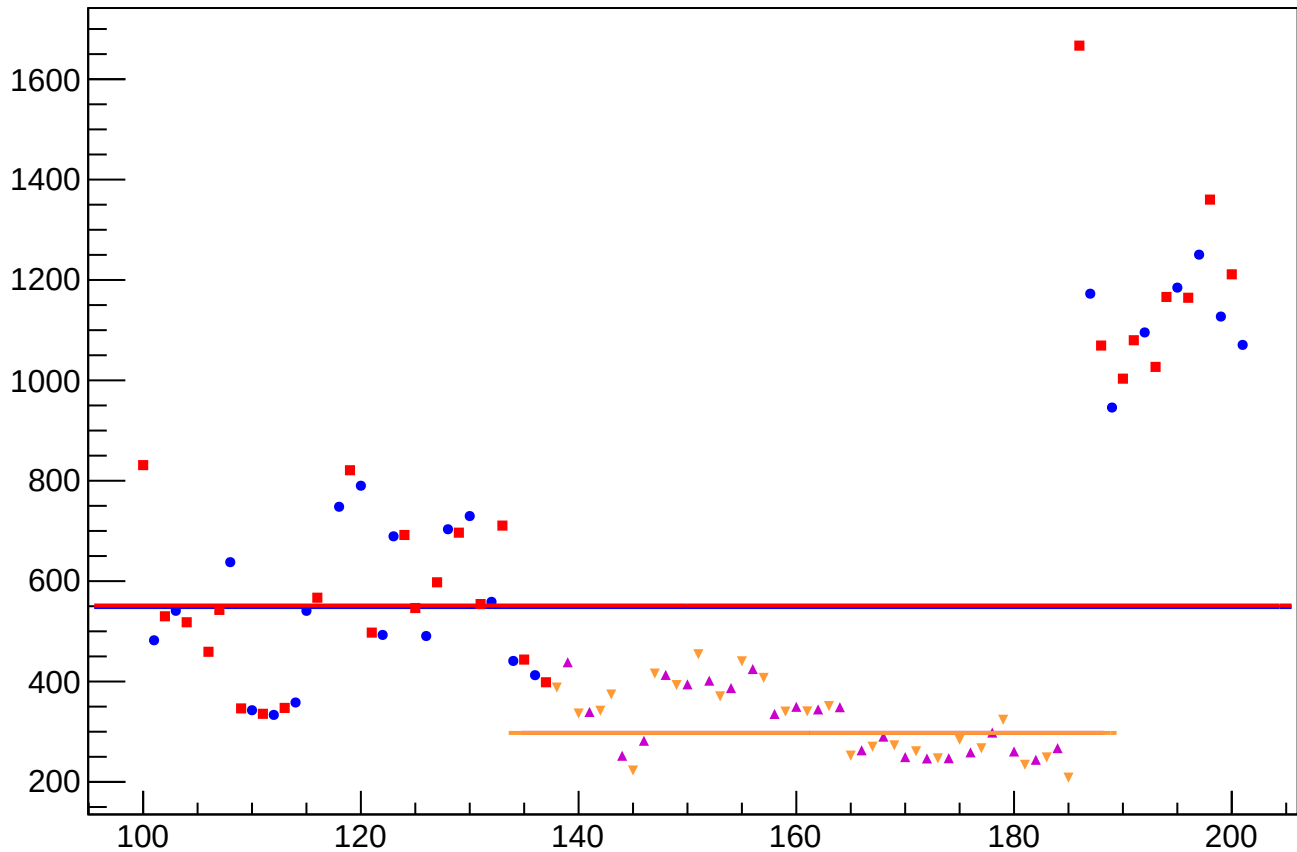
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -238.880 ± 66.052 χ^2/NDF : 70.9/48

All: -131.122 ± 47.004 χ^2/NDF : 136.0/99

- sign -20.562 ± 66.905 χ^2/NDF : 59.8/50

asym_sam_15_37_dd_rms vs Slug



Right In: 548.378 $\pm$ 0.126 χ^2 /NDF: 3661600.2/23

Left Out: 297.613 $\pm$ 0.050 χ^2 /NDF:1637757.8/24

Right Out: 551.437 $\pm$ 0.120 χ^2 /NDF: 4665427.4/27

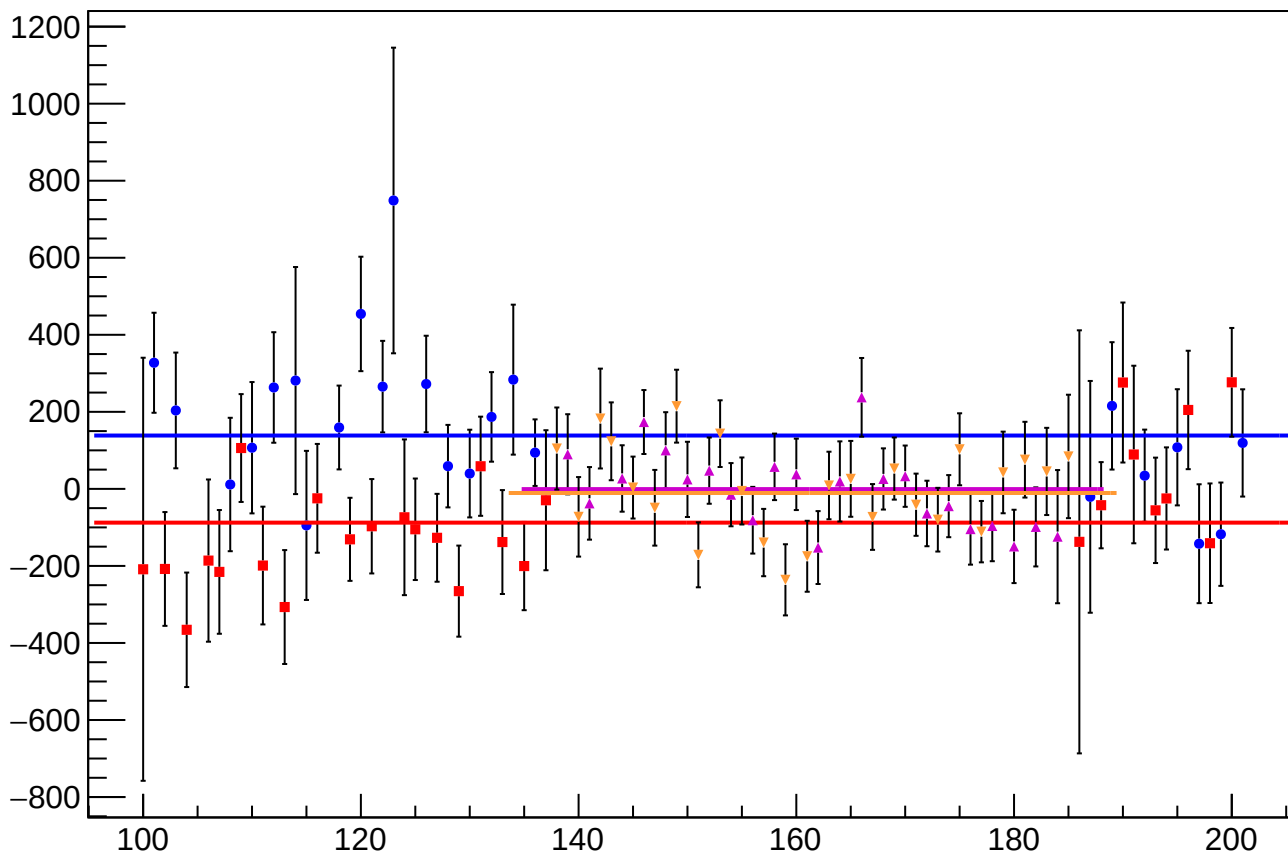
Left In: 297.699 $\pm$ 0.051 χ^2 /NDF:1266306.2/22

+ sign 331.962 $\pm$ 0.047 χ^2 /NDF: 8707170.4/48

All: 334.479 $\pm$ 0.033 χ^2 /NDF: 18415107.8/99

- sign 337.062 $\pm$ 0.047 χ^2 /NDF: 9702054.1/50

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 138.481 $\pm$ 28.418 χ^2 /NDF: 25.1/23

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -87.641 $\pm$ 27.524 χ^2 /NDF: 29.5/27

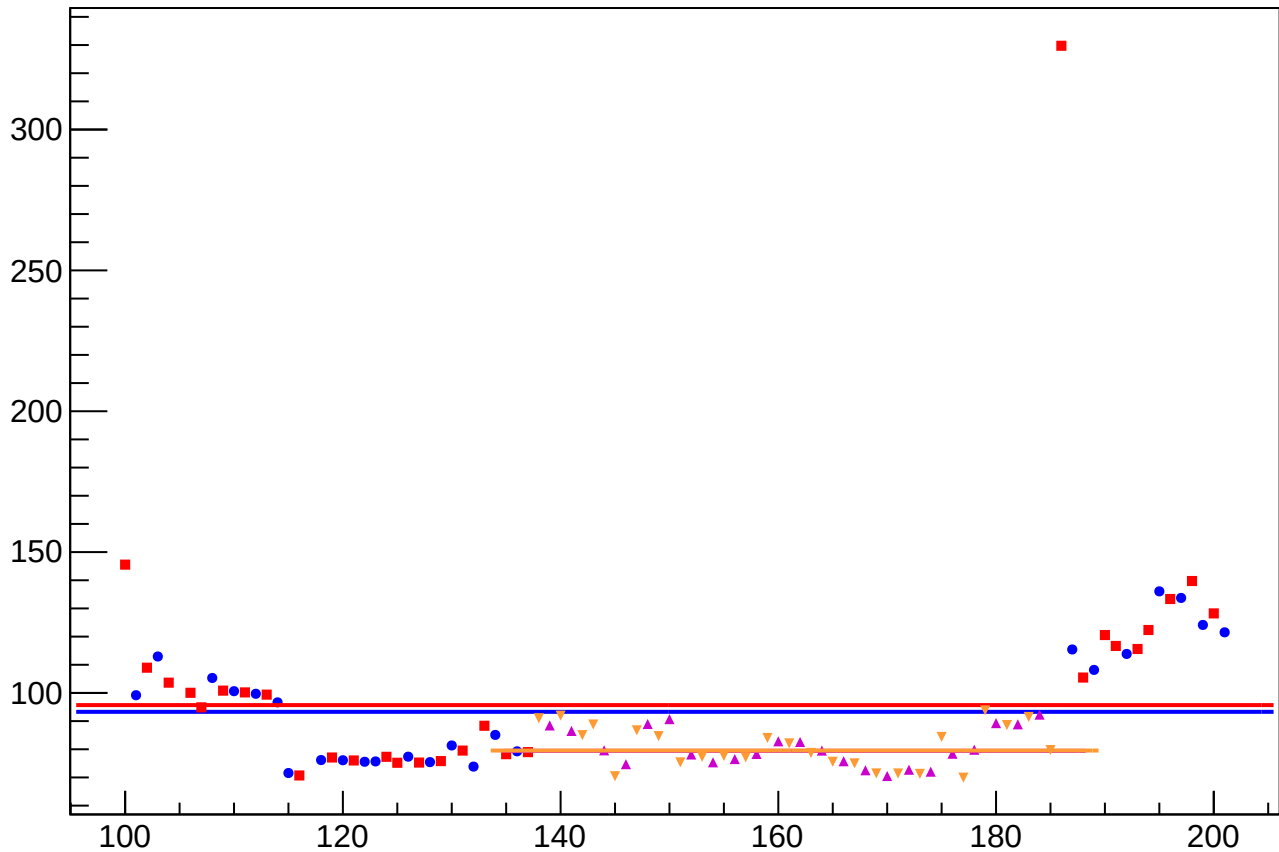
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 34.096 $\pm$ 15.569 χ^2 /NDF: 80.7/48

All: 2.859 $\pm$ 11.050 χ^2 /NDF: 148.8/99

- sign -28.857 $\pm$ 15.687 χ^2 /NDF: 60.0/50

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 93.295+/-0.020 χ^2/NDF : 1000021.2/23

Left Out: 79.551+/-0.013 χ^2/NDF : 309075.2/24

Right Out: 95.686+/-0.019 χ^2/NDF : 1439142.3/27

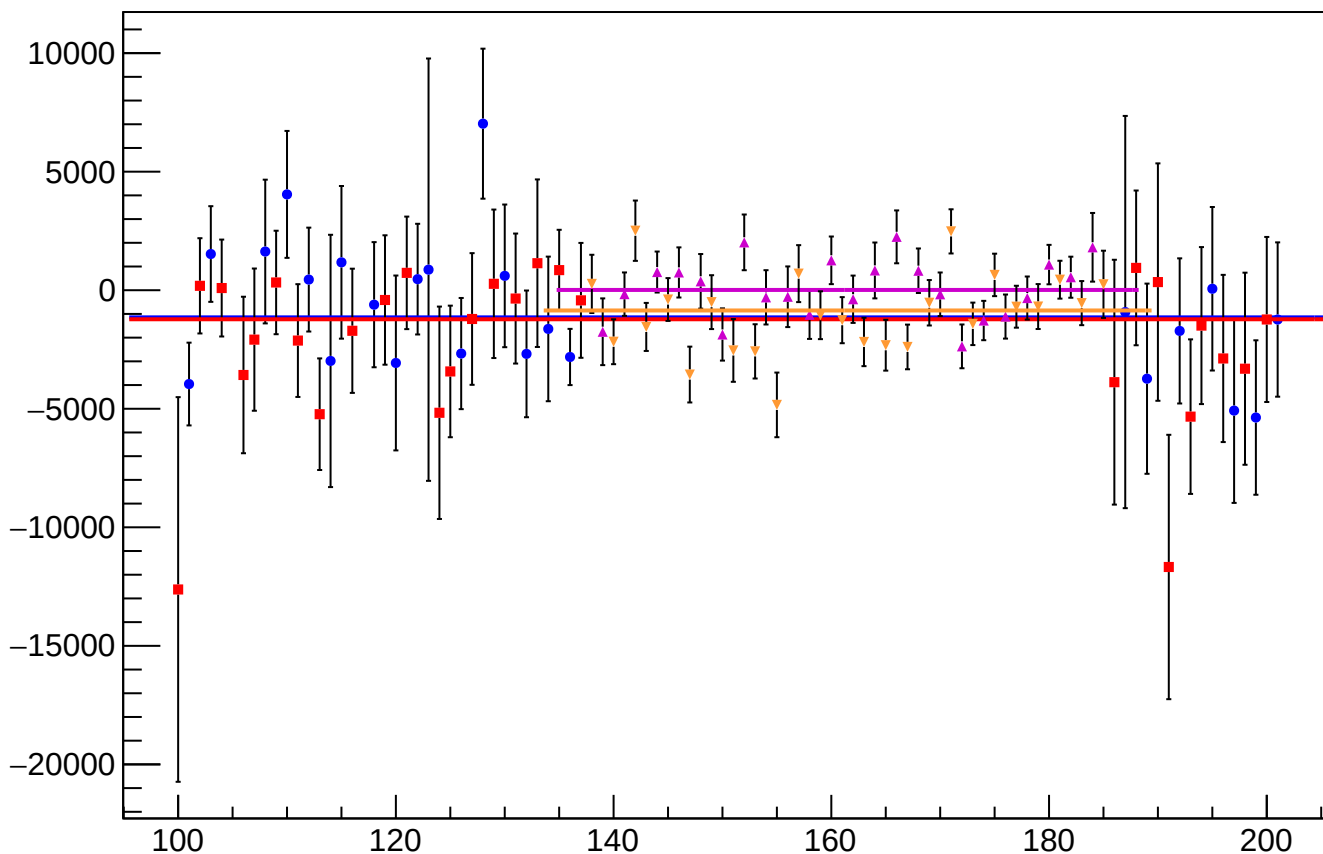
Left In: 79.436+/-0.013 χ^2/NDF : 212440.1/22

+ sign 83.676+/-0.011 χ^2/NDF : 1636503.8/48

All: 84.192+/-0.008 χ^2/NDF : 3763173.3/99

- sign 84.715+/-0.011 χ^2/NDF : 2122250.1/50

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1145.292 ± 538.441 χ^2/NDF : 24.0/23

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1225.253 ± 535.776 χ^2/NDF : 18.0/27

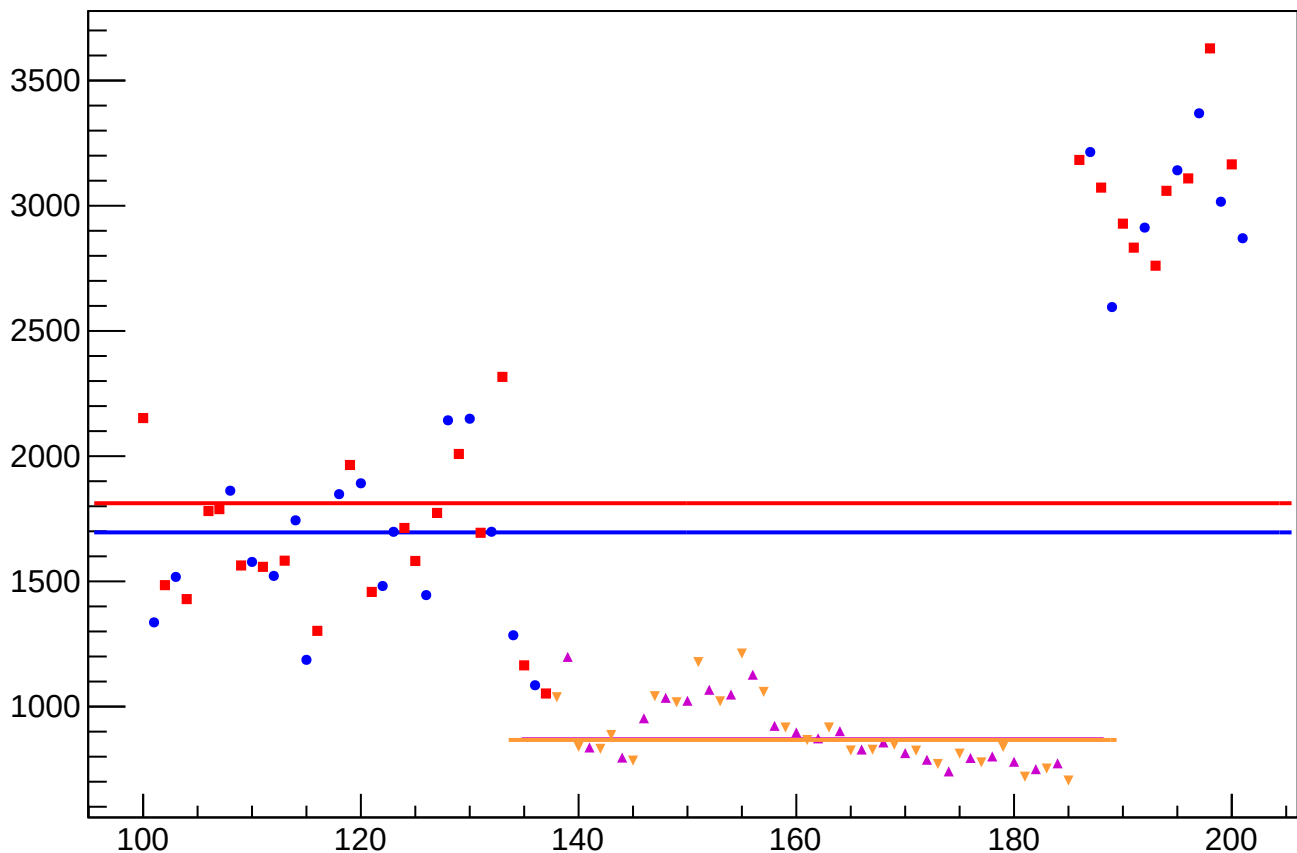
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -890.706 ± 190.841 χ^2/NDF : 80.2/48

All: -530.959 ± 136.589 χ^2/NDF : 141.3/99

- sign -153.135 ± 195.577 χ^2/NDF : 53.8/50

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1695.654 $\pm$ 0.381 χ^2/NDF : 2671580.0/23

Left Out: 866.893 $\pm$ 0.144 χ^2/NDF : 661712.5/24

Right Out: 1812.103 $\pm$ 0.379 χ^2/NDF : 2909395.8/27

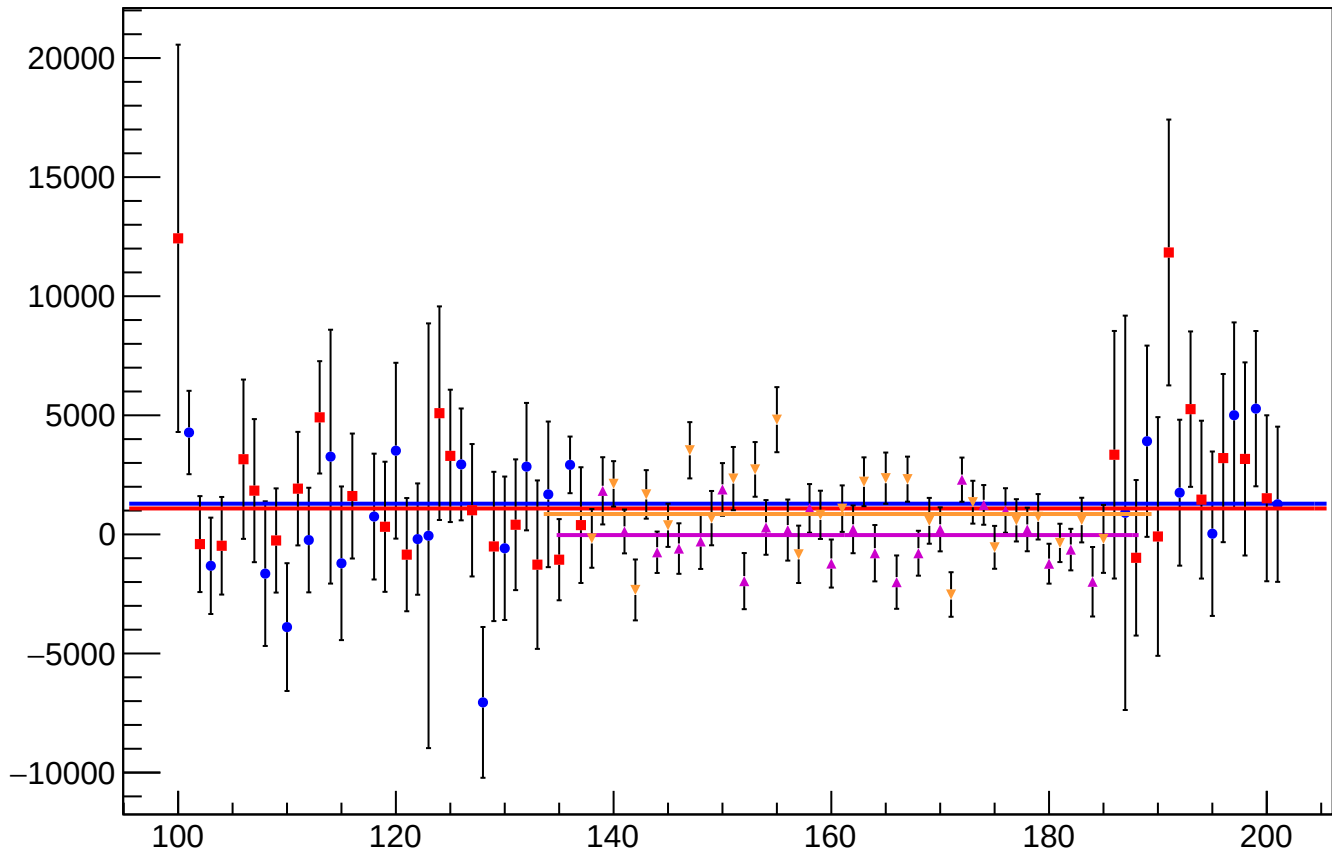
Left In: 869.569 $\pm$ 0.149 χ^2/NDF : 582301.2/22

+ sign 971.004 $\pm$ 0.135 χ^2/NDF : 7476255.2/48

All: 982.787 $\pm$ 0.097 χ^2/NDF : 16348359.8/99

- sign 995.162 $\pm$ 0.138 χ^2/NDF : 8856473.3/50

asym_sam_24_68_dd_mean vs Slug



Right In: 1288.953 ± 539.463 χ^2/NDF : 24.3/23

Left Out: 855.664 ± 205.047 χ^2/NDF : 54.1/24

Right Out: 1088.562 ± 536.878 χ^2/NDF : 17.9/27

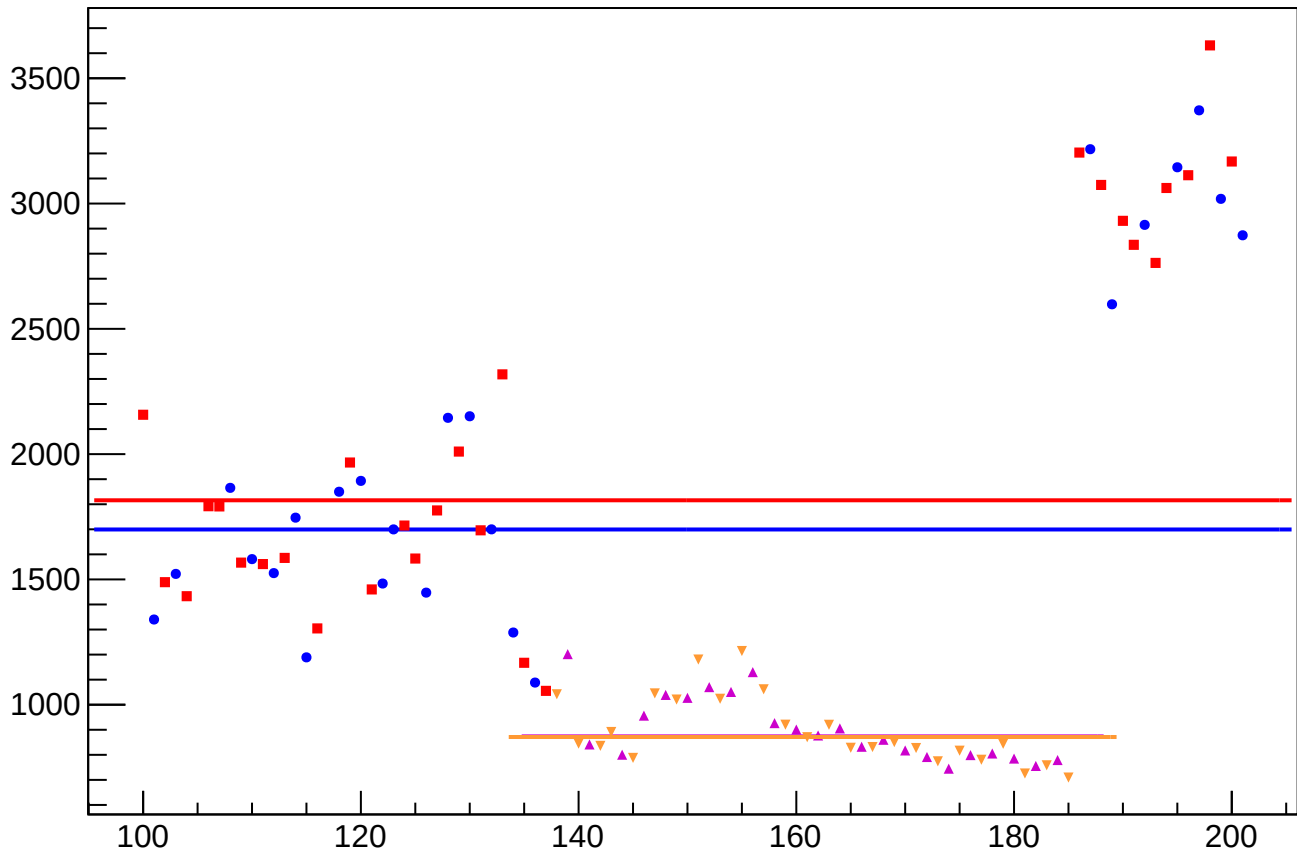
Left In: -28.553 ± 211.034 χ^2/NDF : 29.7/22

+ sign 910.360 ± 191.668 χ^2/NDF : 79.0/48

All: 525.290 ± 137.174 χ^2/NDF : 138.7/99

- sign 120.951 ± 196.405 χ^2/NDF : 51.4/50

asym_sam_24_68_dd_rms vs Slug



Right In: 1699.302 ± 0.381 $\chi^2/\text{NDF}: 2662204.4/23$

Left Out: 871.109 ± 0.145 $\chi^2/\text{NDF}: 651751.1/24$

Right Out: 1815.792 ± 0.380 $\chi^2/\text{NDF}: 2902794.4/27$

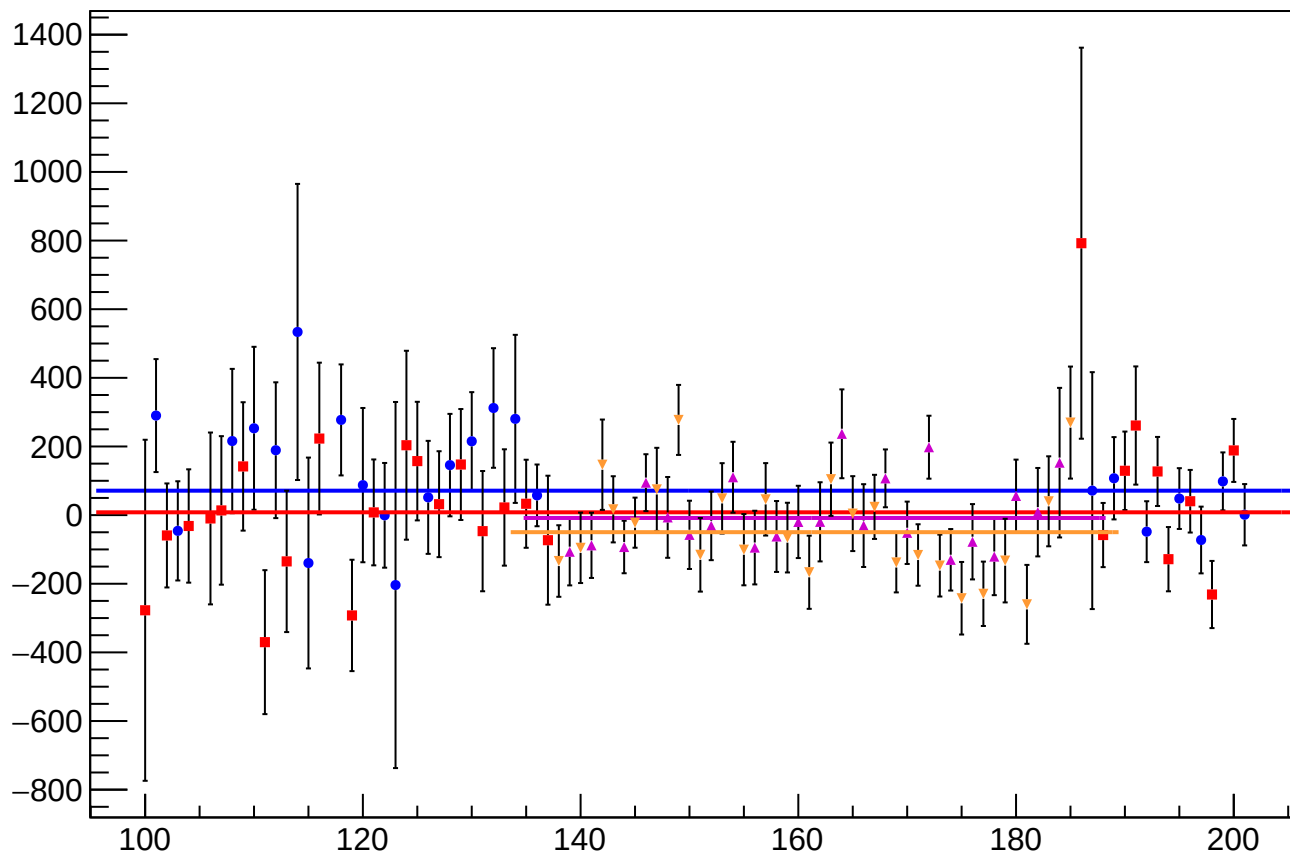
Left In: 873.675 ± 0.149 $\chi^2/\text{NDF}: 573822.5/22$

+ sign 975.655 ± 0.136 $\chi^2/\text{NDF}: 7432693.5/48$

All: 987.413 ± 0.097 $\chi^2/\text{NDF}: 16259202.8/99$

- sign 999.759 ± 0.139 $\chi^2/\text{NDF}: 8811080.4/50$

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 71.178 ± 27.966 $\chi^2/\text{NDF}: 16.4/23$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: 8.155 ± 27.075 $\chi^2/\text{NDF}: 30.7/27$

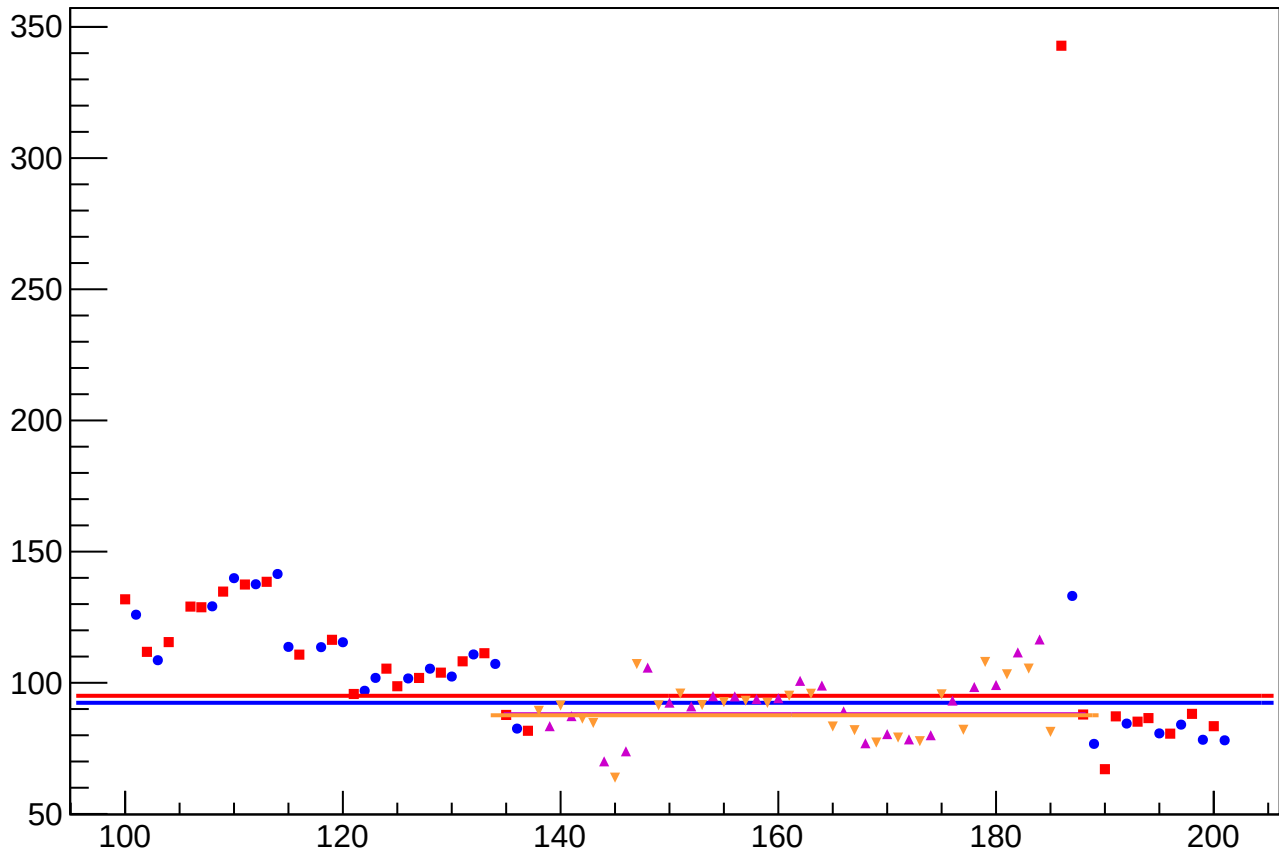
Left In: -8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

+ sign -7.248 ± 16.576 $\chi^2/\text{NDF}: 67.9/48$

All: -4.671 ± 11.774 $\chi^2/\text{NDF}: 120.9/99$

- sign -2.047 ± 16.727 $\chi^2/\text{NDF}: 53.0/50$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 92.378+/-0.020 χ^2/NDF : 766528.4/23

Left Out: 87.625+/-0.015 χ^2/NDF : 554690.7/24

Right Out: 95.045+/-0.019 χ^2/NDF : 1158349.5/27

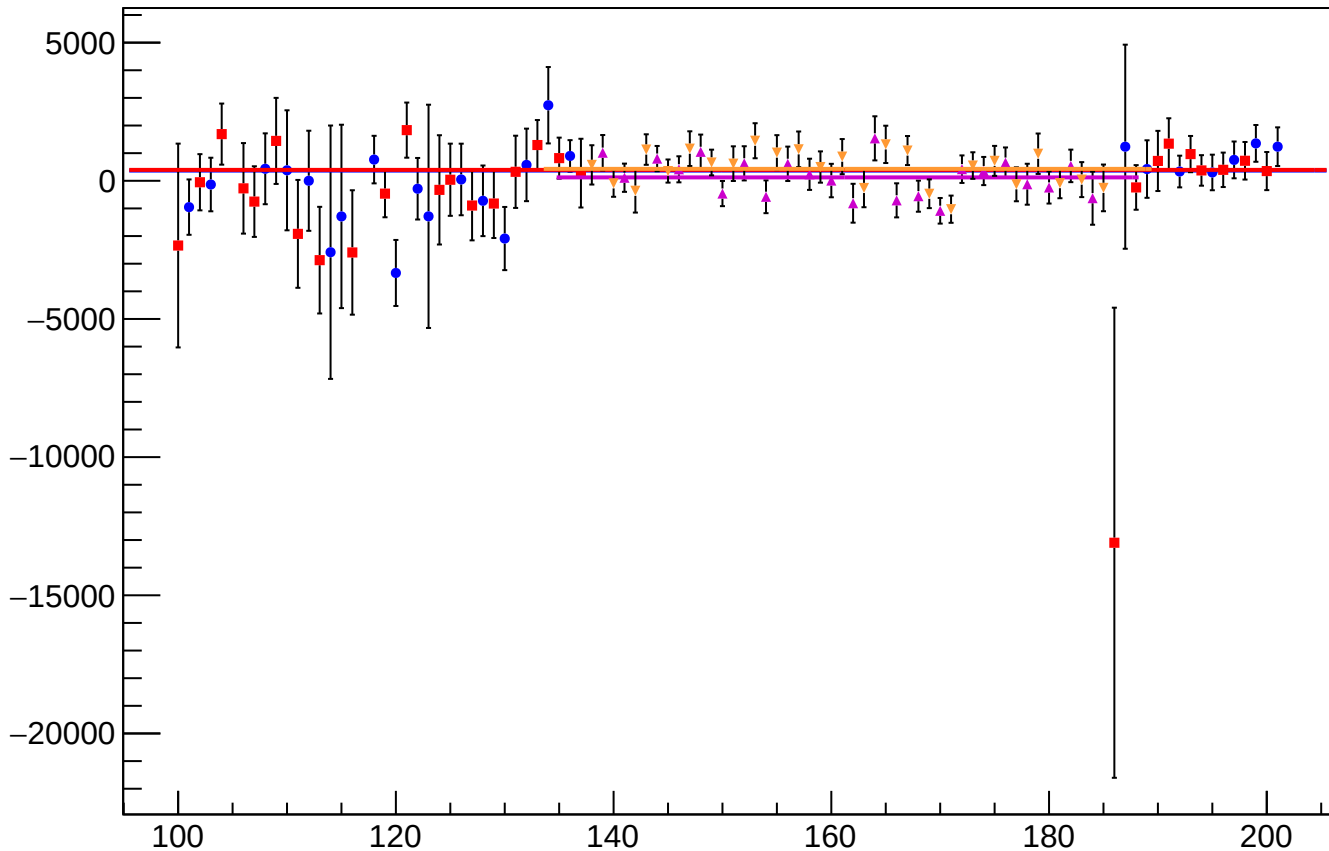
Left In: 88.032+/-0.015 χ^2/NDF : 523710.9/22

+ sign 89.295+/-0.012 χ^2/NDF : 1358679.2/48

All: 89.995+/-0.008 χ^2/NDF : 3130919.0/99

- sign 90.709+/-0.012 χ^2/NDF : 1765030.3/50

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 370.845 $\pm$ 198.493 χ^2/NDF : 26.4/23

Left Out: 431.658 $\pm$ 115.706 χ^2/NDF : 30.5/24

Right Out: 394.878 $\pm$ 186.474 χ^2/NDF : 21.5/27

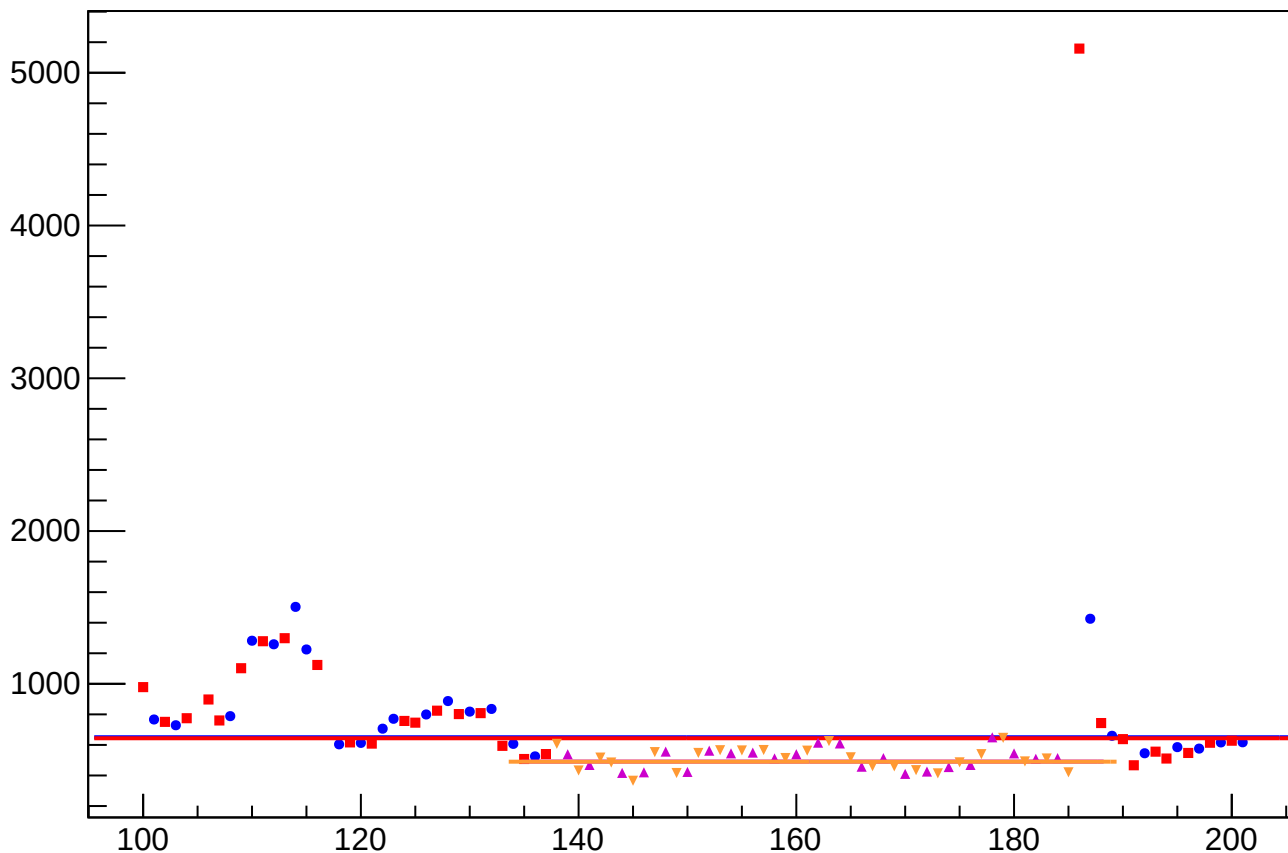
Left In: 123.017 $\pm$ 118.849 χ^2/NDF : 29.3/22

+ sign 416.235 $\pm$ 99.962 χ^2/NDF : 57.0/48

All: 309.173 $\pm$ 70.776 χ^2/NDF : 111.5/99

- sign 201.549 $\pm$ 100.224 χ^2/NDF : 52.3/50

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 650.426 $\pm$ 0.140 χ^2 /NDF: 1088292.7/23

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

+ sign 530.886 $\pm$ 0.071 χ^2 /NDF: 2810429.9/48

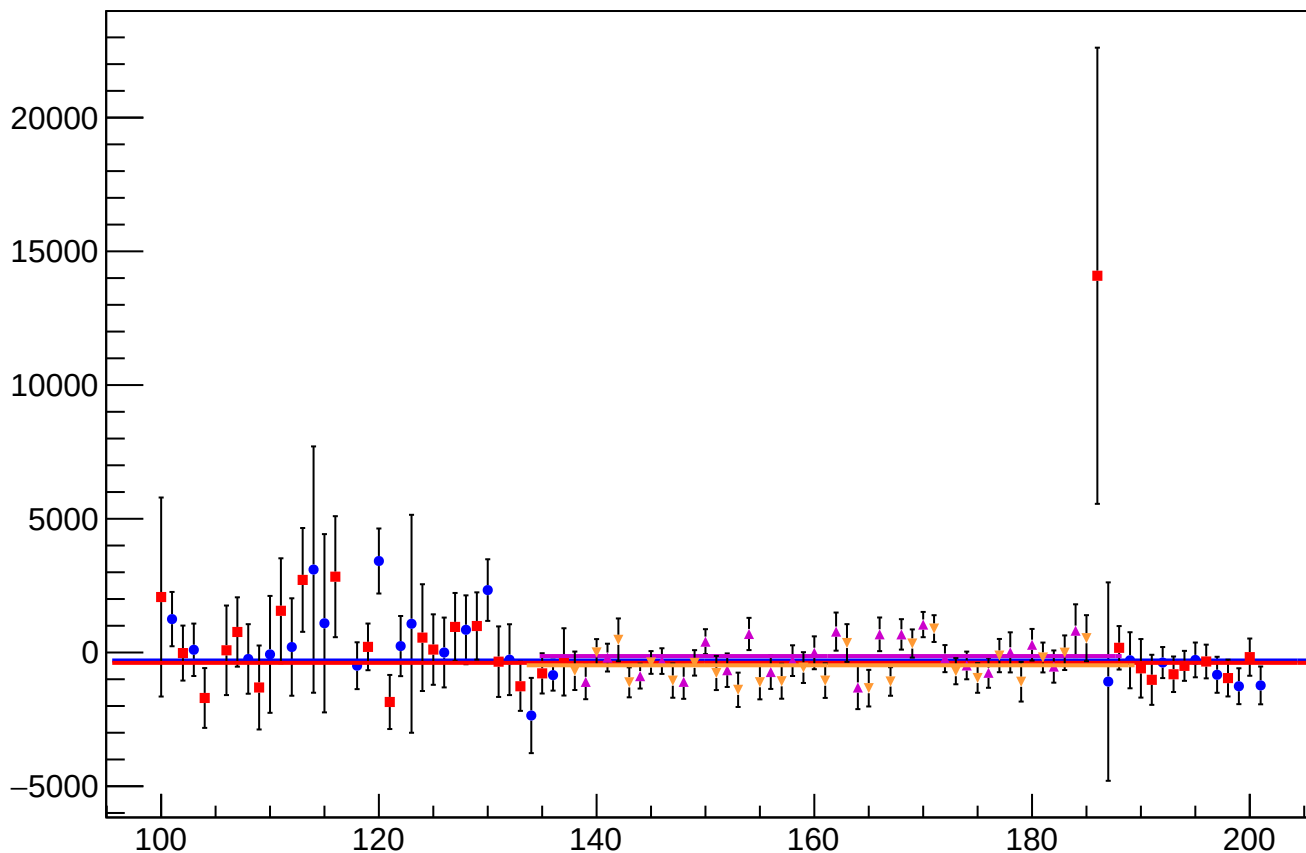
Right Out: 643.611 $\pm$ 0.132 χ^2 /NDF: 1924640.7/27

All: 532.948 $\pm$ 0.050 χ^2 /NDF: 6279748.6/99

Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

- sign 535.021 $\pm$ 0.071 χ^2 /NDF: 3467612.5/50

asym_sam_26_48_dd_mean vs Slug



Right In: -298.815+/-200.699 χ^2/NDF : 26.6/23

Left Out: -478.197+/-117.659 χ^2/NDF : 27.8/24

Right Out: -386.919+/-188.742 χ^2/NDF : 20.2/27

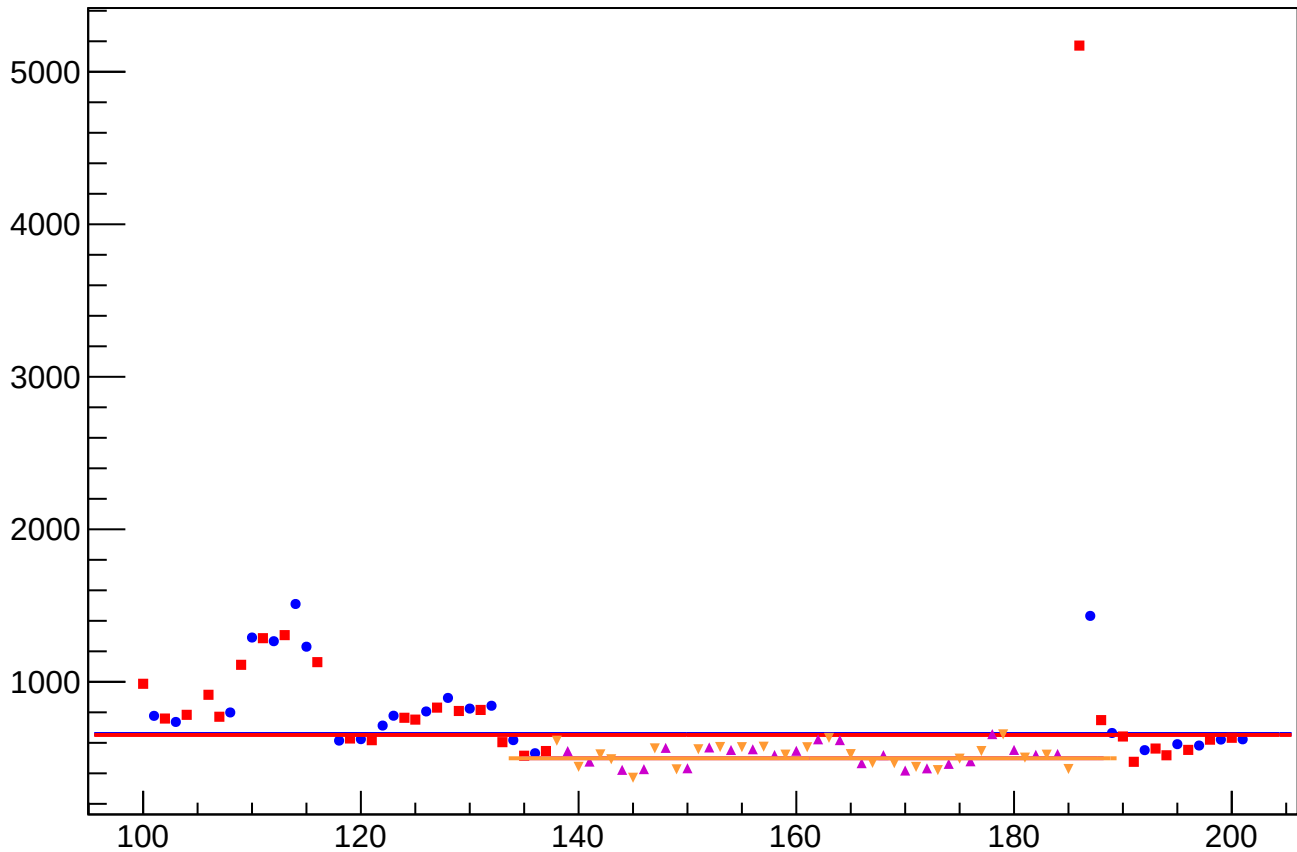
Left In: -132.543+/-120.866 χ^2/NDF : 29.5/22

+ sign -432.315+/-101.503 χ^2/NDF : 55.0/48

All: -319.731+/-71.873 χ^2/NDF : 108.6/99

- sign -206.521+/-101.785 χ^2/NDF : 51.1/50

asym_sam_26_48_dd_rms vs Slug



Right In: 657.889 $\pm$ 0.142 χ^2 /NDF: 1076308.7/23

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 651.781 $\pm$ 0.133 χ^2 /NDF: 1902255.9/27

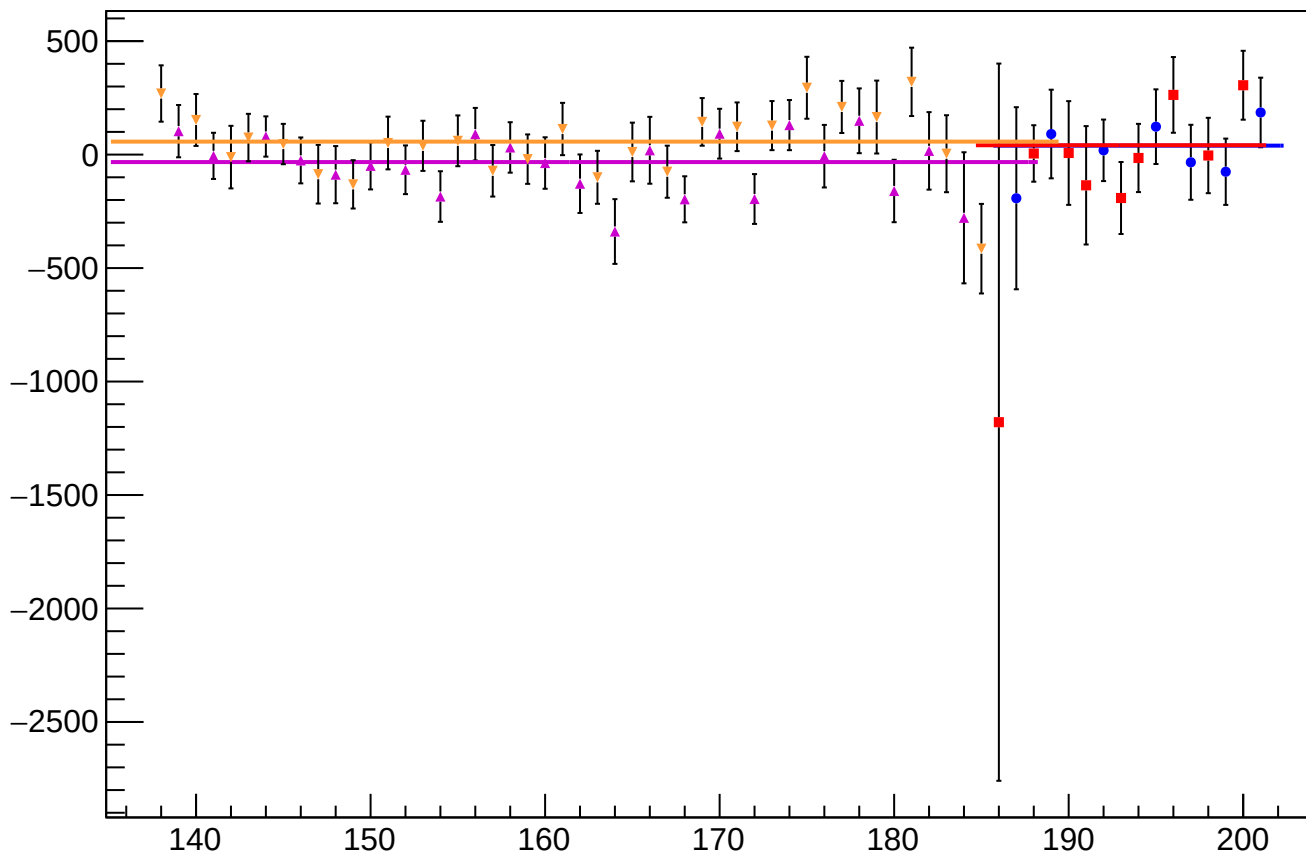
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 539.457 $\pm$ 0.072 χ^2 /NDF: 2746390.9/48

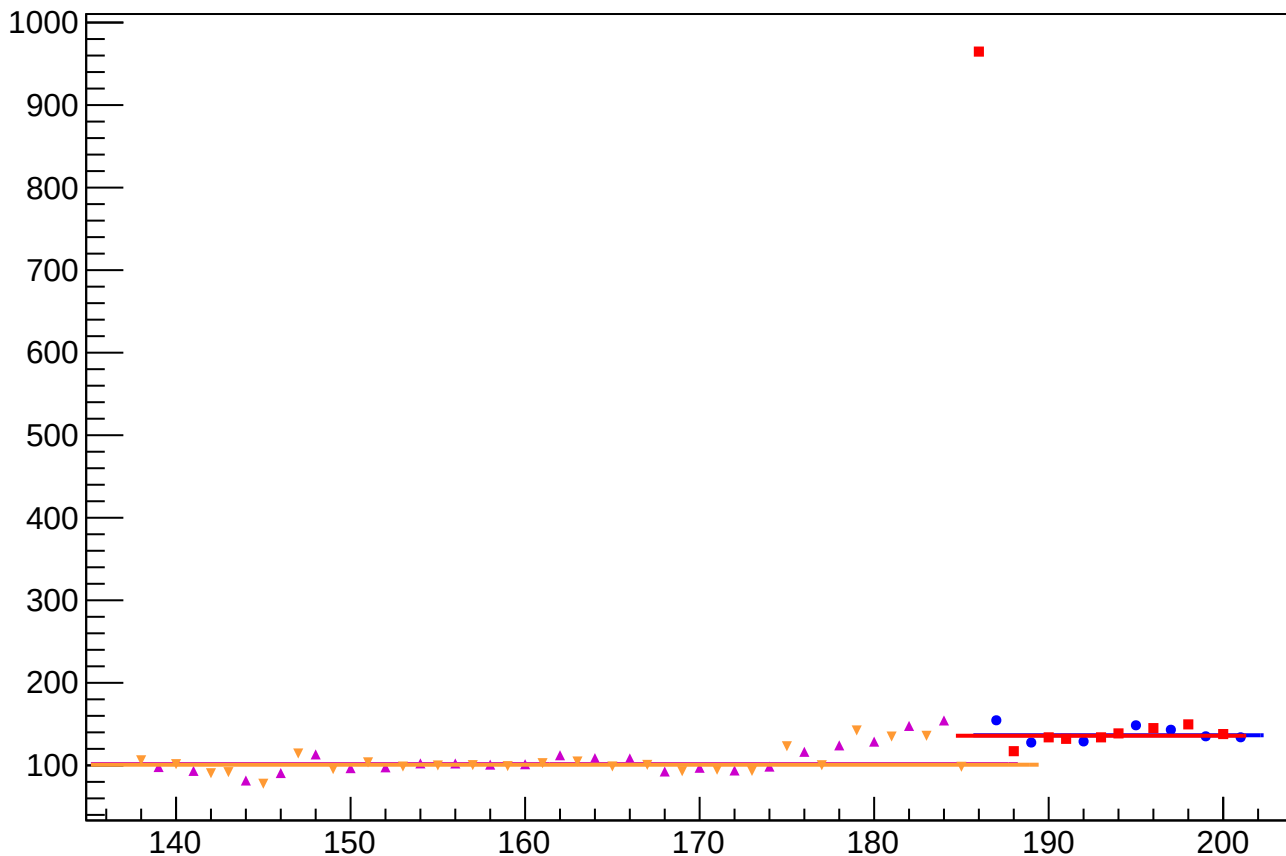
All: 541.578 $\pm$ 0.051 χ^2 /NDF: 6151535.6/99

- sign 543.711 $\pm$ 0.072 χ^2 /NDF: 3403393.5/50

reg_asym_sam_1548_avg_mean vs Slug



reg_asym_sam_1548_avg_rms vs Slug



Right In: 136.485 $\pm$ 0.045 χ^2 /NDF: 28964.1/6

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 135.897 $\pm$ 0.041 χ^2 /NDF: 617376.0/8

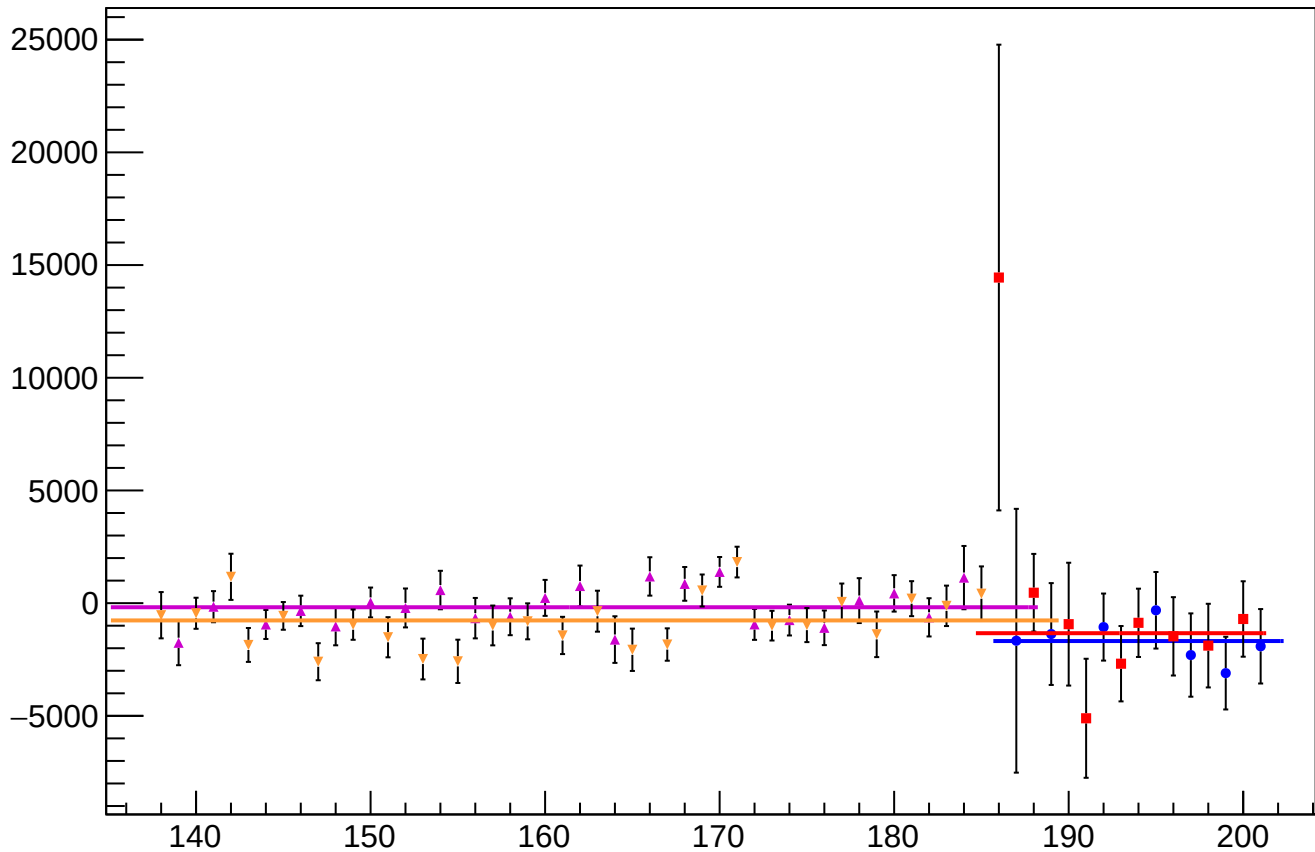
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 105.197 $\pm$ 0.016 χ^2 /NDF: 1187415.0/31

All: 106.013 $\pm$ 0.011 χ^2 /NDF: 2986692.4/63

- sign 106.861 $\pm$ 0.016 χ^2 /NDF: 1793768.9/31

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1680.855 ± 695.406 χ^2/NDF : 1.8/6

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1332.520 ± 645.976 χ^2/NDF : 6.5/8

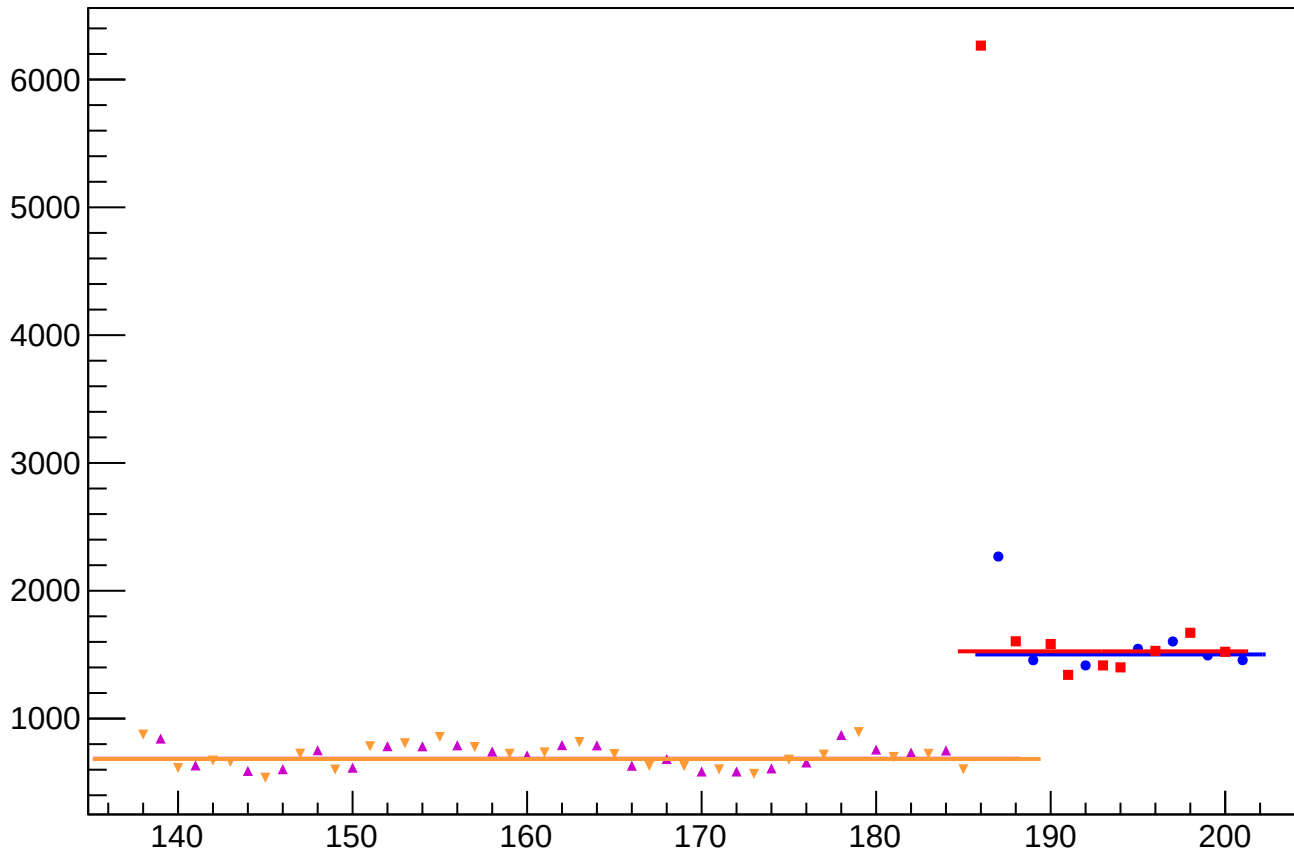
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -812.918 ± 156.912 χ^2/NDF : 49.9/31

All: -539.059 ± 112.193 χ^2/NDF : 90.6/63

- sign -252.614 ± 160.477 χ^2/NDF : 34.4/31

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1501.902 ± 0.492 $\chi^2/\text{NDF}: 50635.6/6$

Left Out: 683.884 ± 0.114 $\chi^2/\text{NDF}: 667158.2/24$

Right Out: 1526.219 ± 0.457 $\chi^2/\text{NDF}: 470251.8/8$

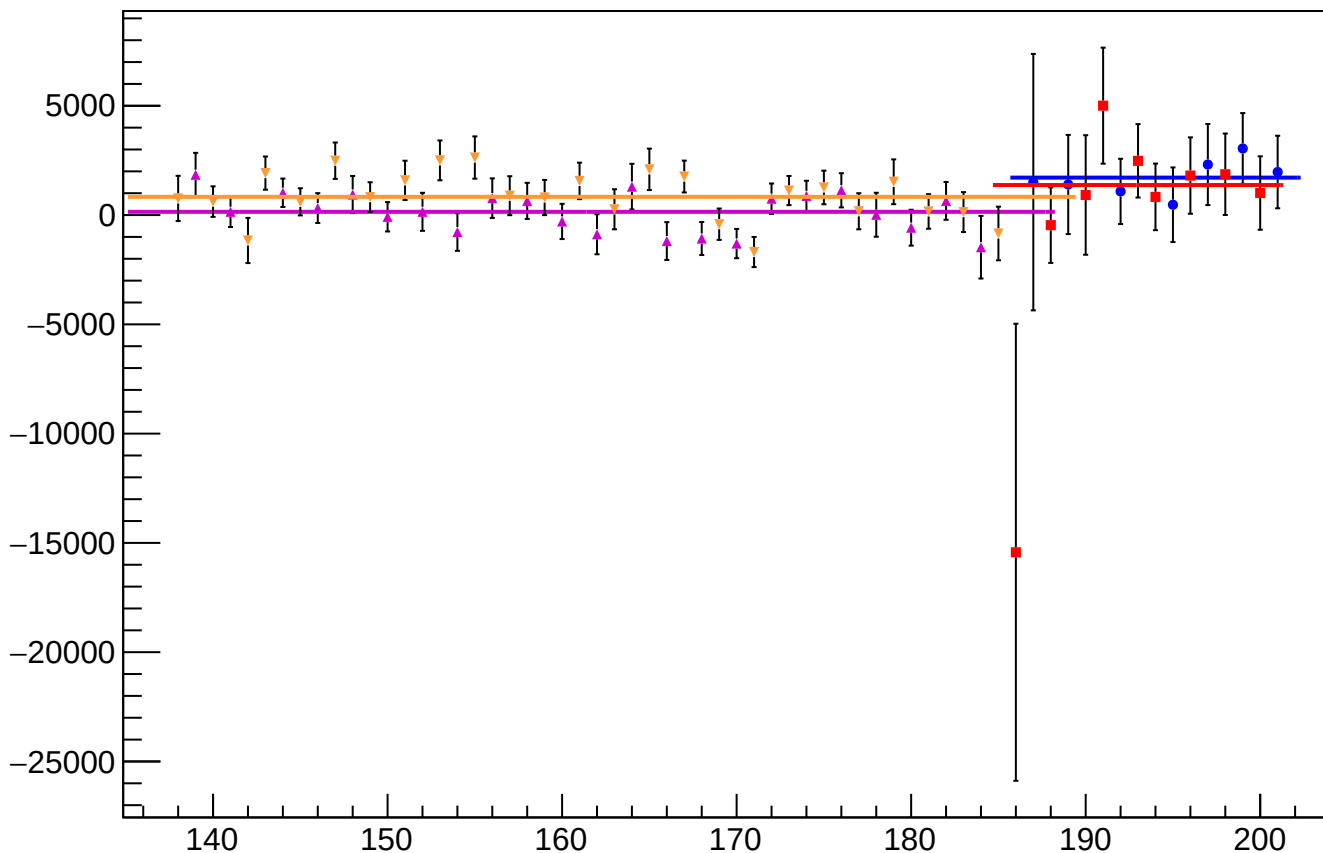
Left In: 685.593 ± 0.117 $\chi^2/\text{NDF}: 529353.6/22$

+ sign 725.533 ± 0.111 $\chi^2/\text{NDF}: 3344333.6/31$

All: 731.369 ± 0.079 $\chi^2/\text{NDF}: 7527482.4/63$

- sign 737.472 ± 0.113 $\chi^2/\text{NDF}: 4177489.2/31$

asym_sam_1548_avg_mean vs Slug



Right In: 1713.290+/-698.466 χ^2/NDF : 1.5/6

Left Out: 833.395+/-162.965 χ^2/NDF : 43.2/24

Right Out: 1373.685+/-648.830 χ^2/NDF : 6.4/8

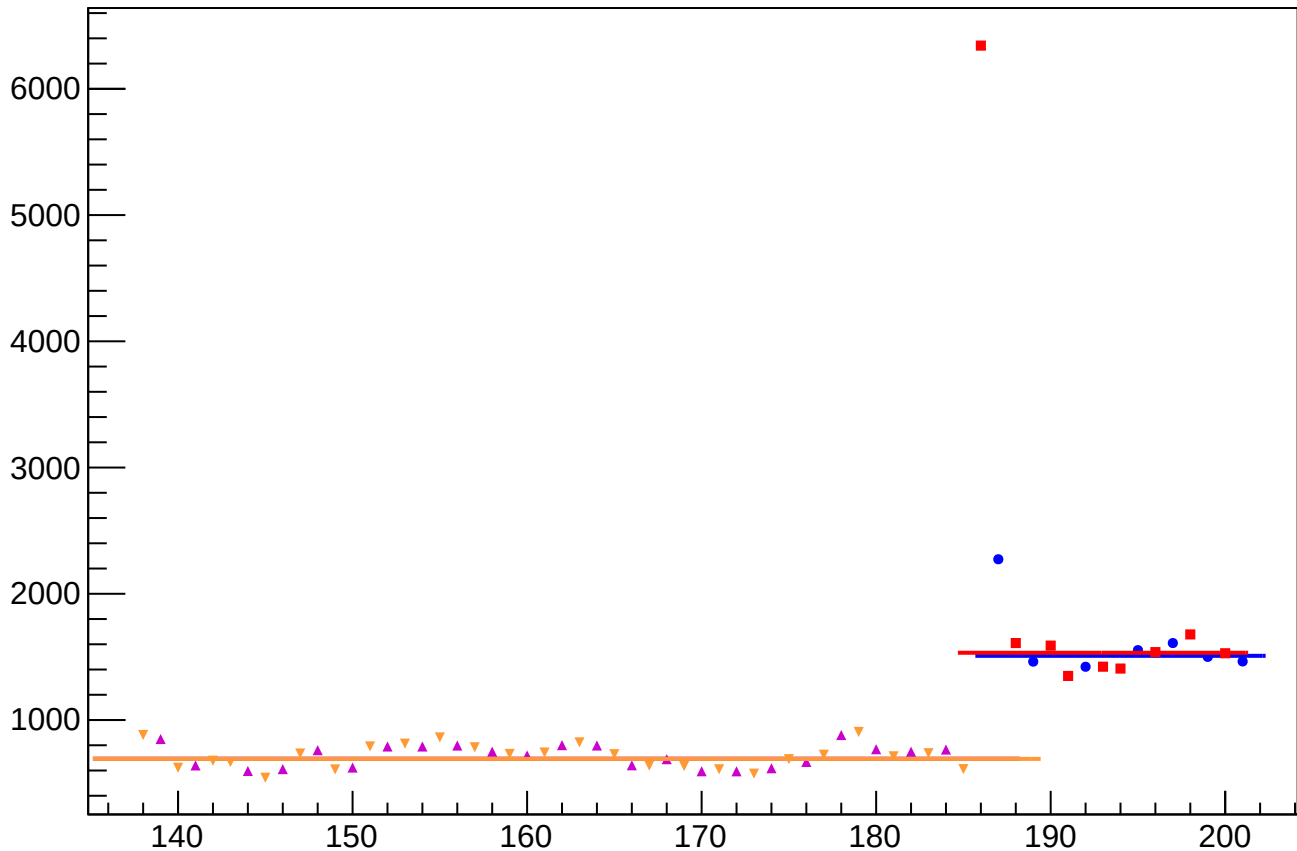
Left In: 148.814+/-167.644 χ^2/NDF : 26.0/22

+ sign 878.821+/-158.703 χ^2/NDF : 46.3/31

All: 559.493+/-113.475 χ^2/NDF : 90.3/63

- sign 225.469+/-162.314 χ^2/NDF : 35.7/31

asym_sam_1548_avg_rms vs Slug



Right In: 1508.553+/-0.494 χ^2/NDF : 50397.9/6

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1532.924+/-0.459 χ^2/NDF : 471926.1/8

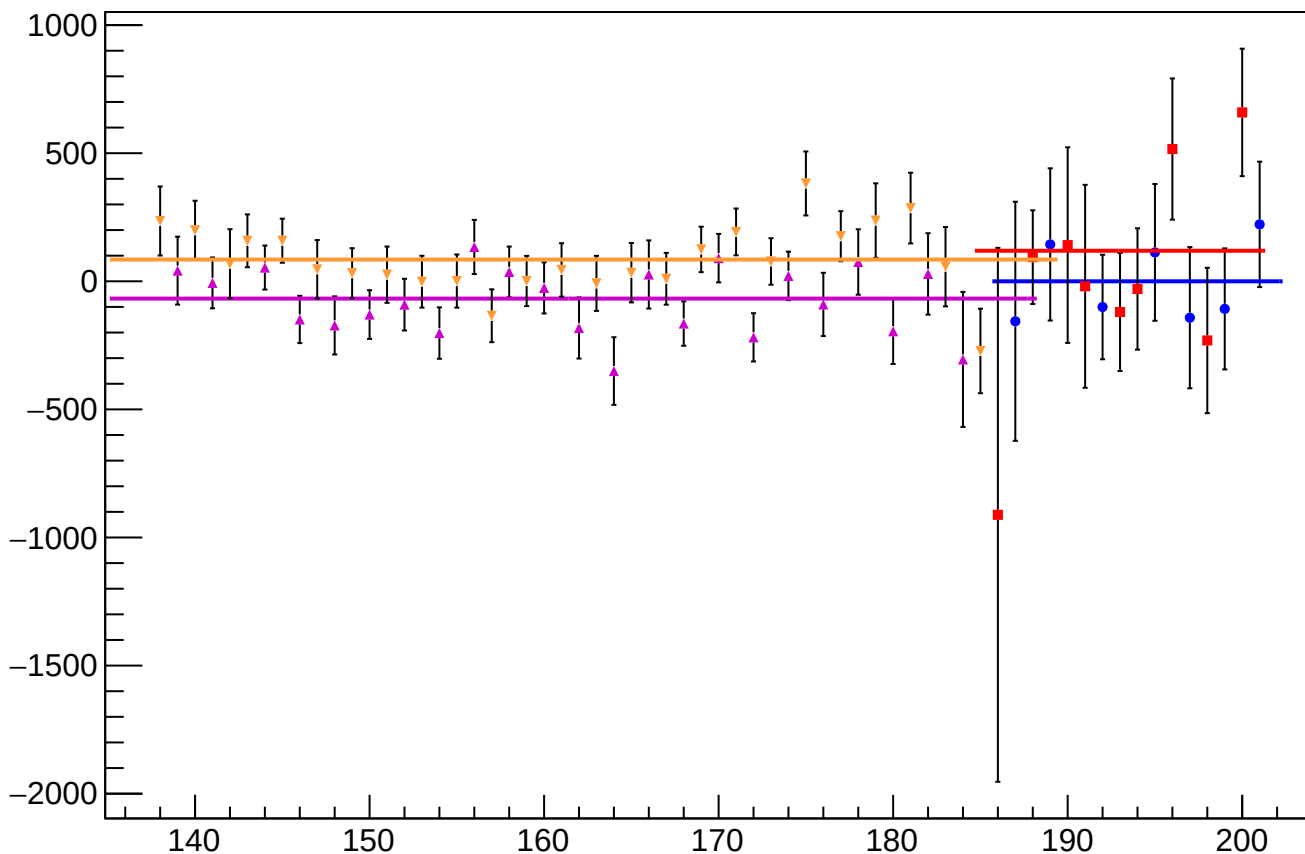
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 734.248+/-0.112 χ^2/NDF : 3299354.7/31

All: 740.176+/-0.080 χ^2/NDF : 7434386.0/63

- sign 746.377+/-0.115 χ^2/NDF : 4129321.9/31

reg_asym_sam_3748_avg_mean vs Slug



Right In: -0.077 ± 99.126 χ^2/NDF : 2.1/6

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 119.262 ± 90.346 χ^2/NDF : 10.9/8

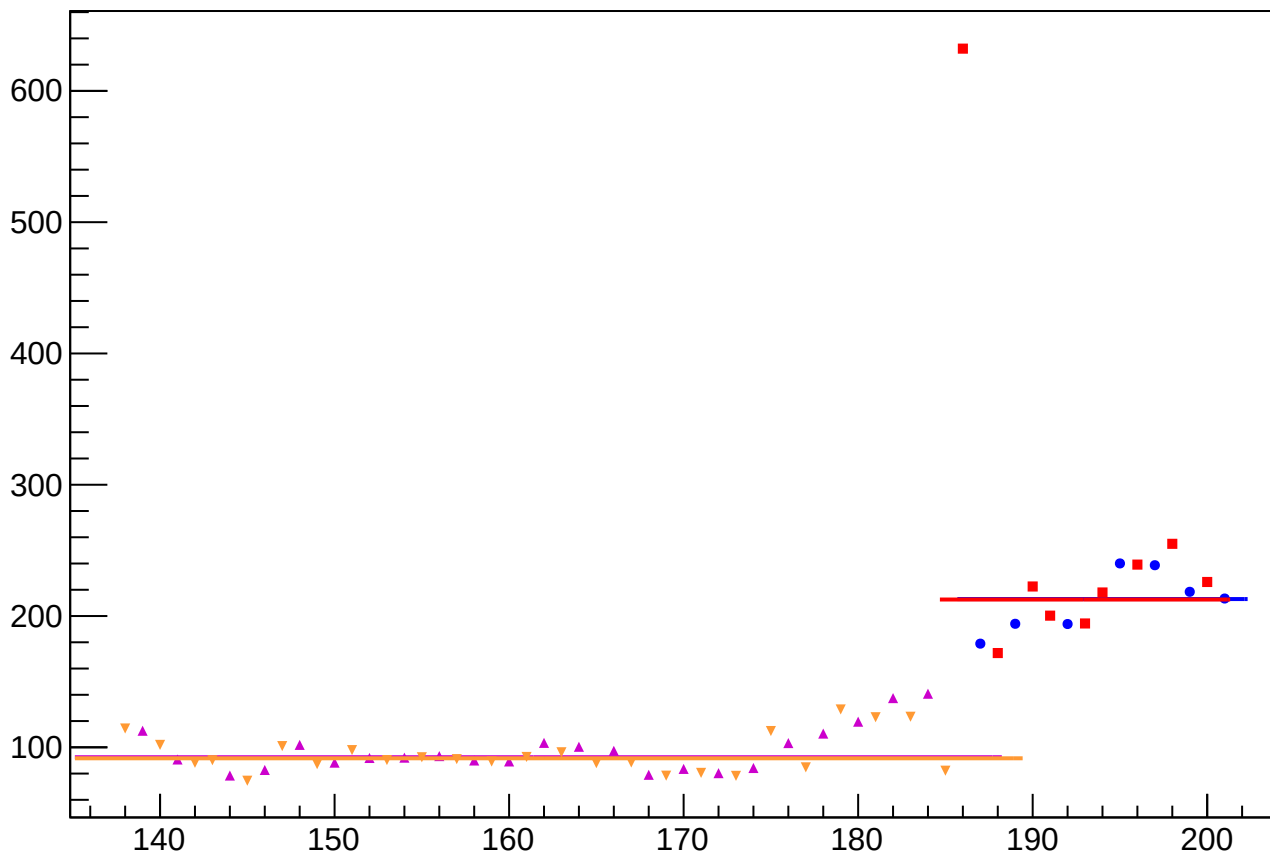
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 80.995 ± 21.145 χ^2/NDF : 31.3/31

All: 14.212 ± 15.173 χ^2/NDF : 95.6/63

- sign -56.689 ± 21.787 χ^2/NDF : 43.8/31

reg_asym_sam_3748_avg_rms vs Slug



Right In: 212.927 $\pm$ 0.070 χ^2 /NDF: 75290.1/6

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 212.576 $\pm$ 0.064 χ^2 /NDF: 509800.1/8

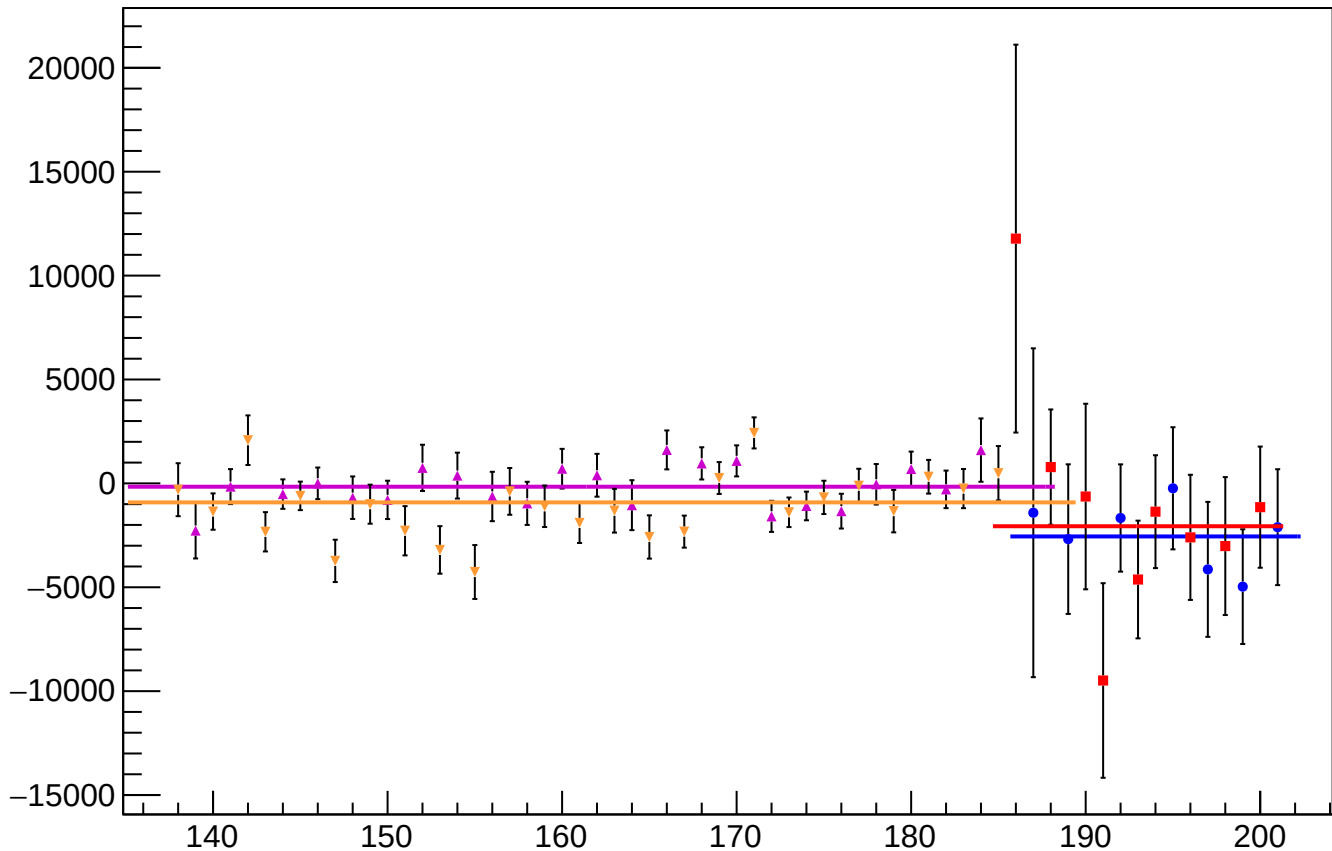
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 97.152 $\pm$ 0.015 χ^2 /NDF: 3626688.5/31

All: 98.267 $\pm$ 0.011 χ^2 /NDF: 8132946.1/63

- sign 99.451 $\pm$ 0.015 χ^2 /NDF: 4494791.5/31

asym_sam_3748_avg_correction_mean vs Slug



Right In: -2554.106 $\pm$ 1183.898 χ^2 /NDF: 1.8/6

Left Out: -914.719 $\pm$ 185.341 χ^2 /NDF: 64.2/24

Right Out: -2063.236 $\pm$ 1106.995 χ^2 /NDF: 7.0/8

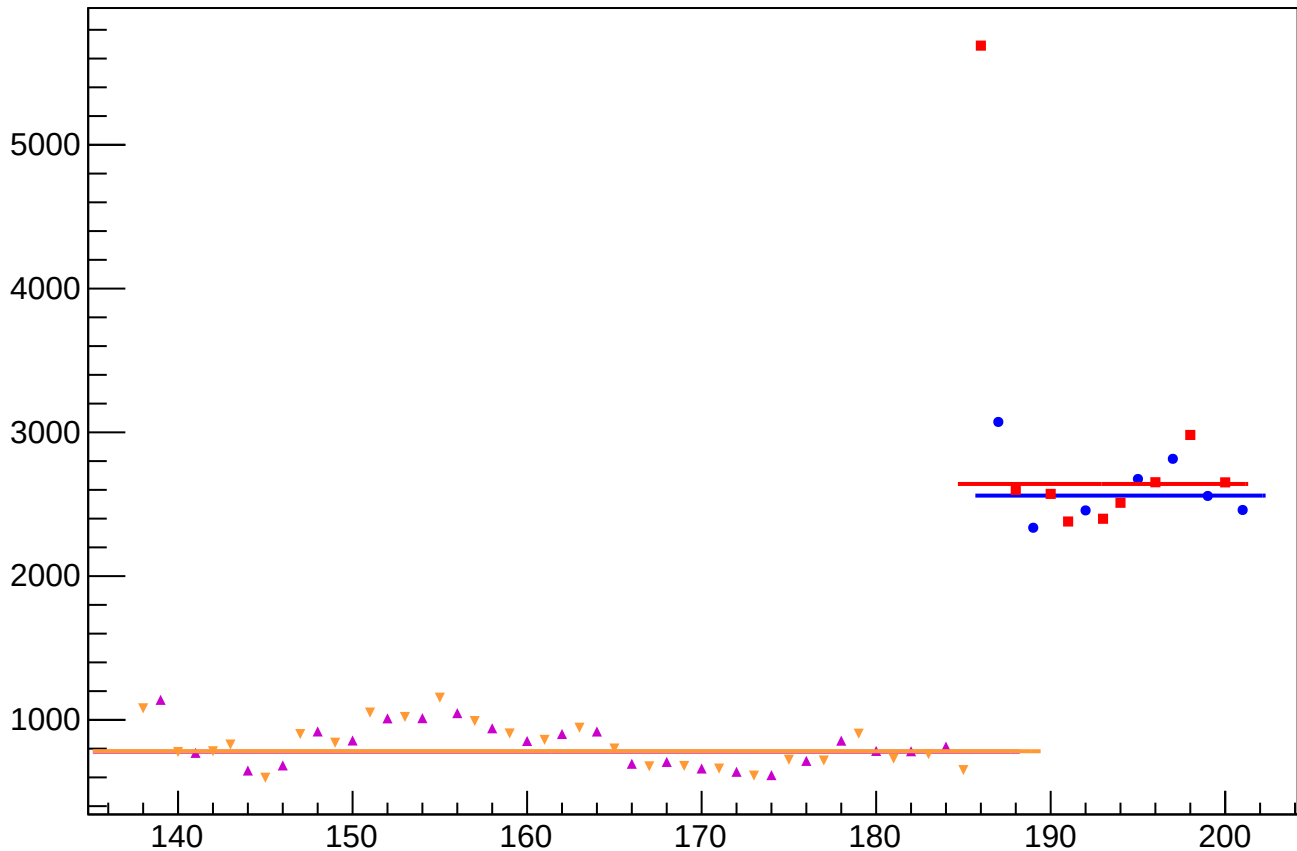
Left In: -161.076 $\pm$ 189.491 χ^2 /NDF: 25.1/22

+ sign -953.936 $\pm$ 183.110 χ^2 /NDF: 67.8/31

All: -591.897 $\pm$ 130.755 χ^2 /NDF: 110.7/63

- sign -215.225 $\pm$ 186.774 χ^2 /NDF: 34.9/31

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2560.082+/-0.837 χ^2/NDF : 37352.1/6

Left Out: 782.042+/-0.131 χ^2/NDF : 1130984.3/24

Right Out: 2641.031+/-0.783 χ^2/NDF : 260932.8/8

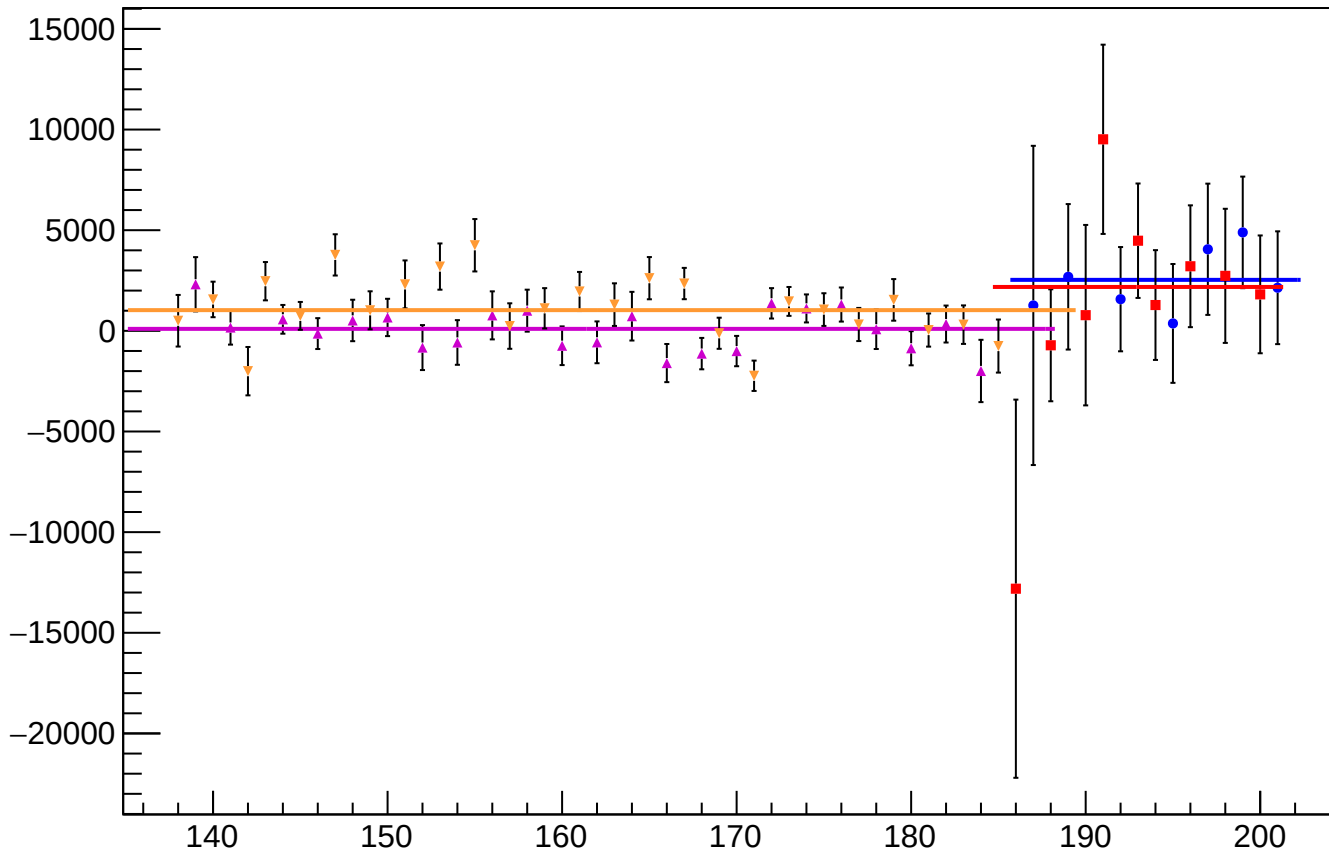
Left In: 778.995+/-0.134 χ^2/NDF : 980243.4/22

+ sign 824.576+/-0.129 χ^2/NDF : 5571544.5/31

All: 828.215+/-0.092 χ^2/NDF : 12311926.2/63

- sign 832.001+/-0.132 χ^2/NDF : 6738769.9/31

asym_sam_3748_avg_mean vs Slug



Right In: 2533.110 $\pm$ 1188.452 χ^2 /NDF: 1.7/6

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF: 60.2/24

Right Out: 2180.724 $\pm$ 1111.119 χ^2 /NDF: 7.1/8

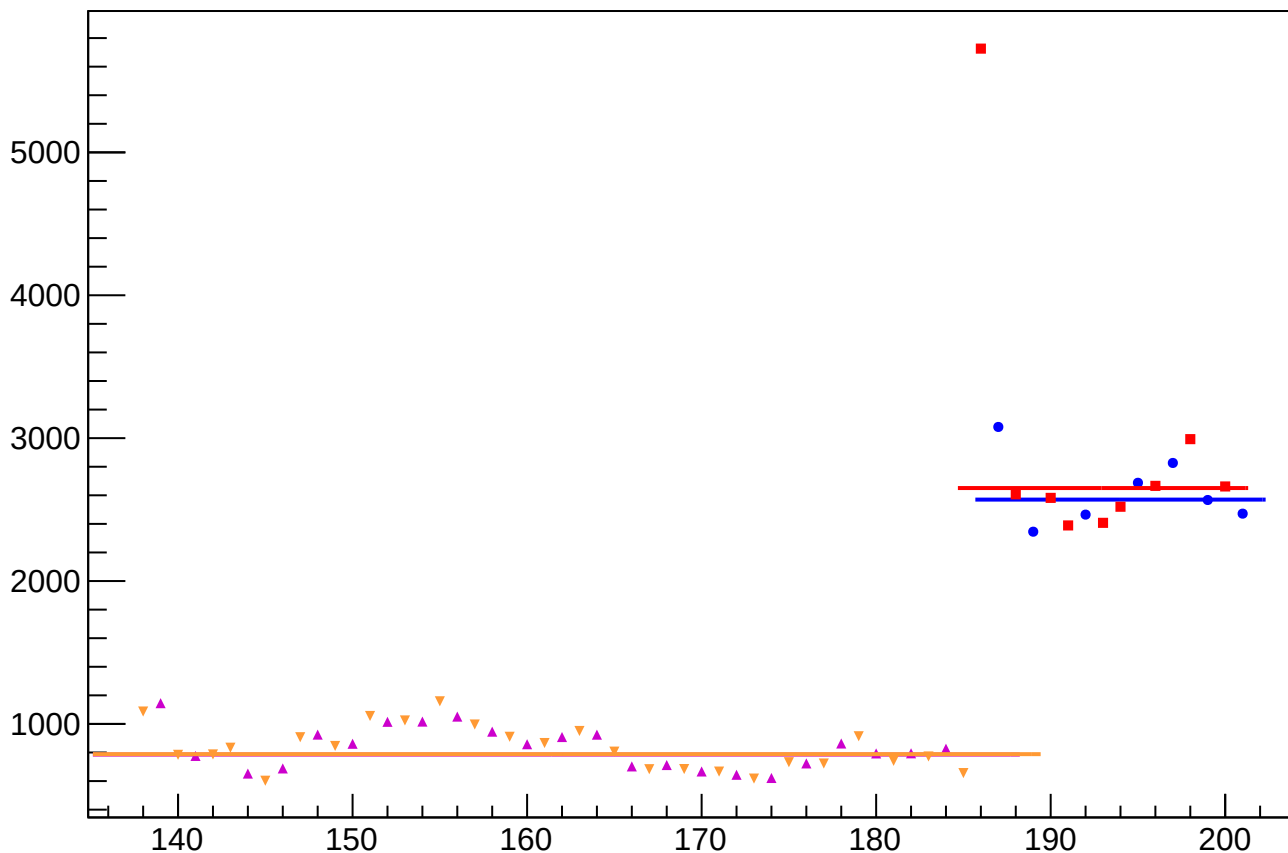
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF: 25.4/22

+ sign 1065.135 $\pm$ 184.544 χ^2 /NDF: 63.4/31

All: 620.847 $\pm$ 131.788 χ^2 /NDF: 111.1/63

- sign 158.464 $\pm$ 188.265 χ^2 /NDF: 35.9/31

asym_sam_3748_avg_rms vs Slug



Right In: 2569.956 ± 0.840 χ^2/NDF : 37263.8/6

Left Out: 788.442 ± 0.132 χ^2/NDF : 1113741.6/24

Right Out: 2650.791 ± 0.786 χ^2/NDF : 262000.1/8

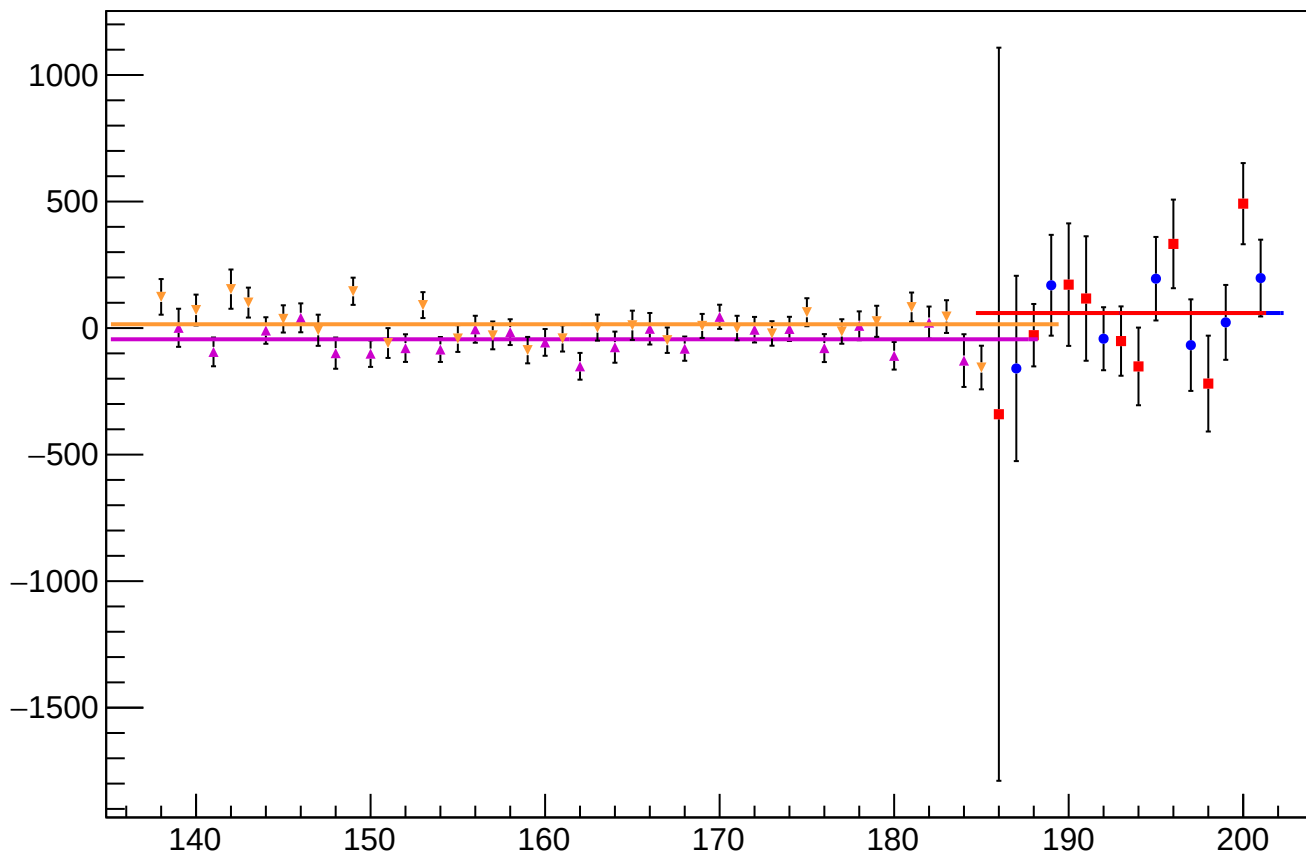
Left In: 785.490 ± 0.135 χ^2/NDF : 965338.9/22

+ sign 831.398 ± 0.130 χ^2/NDF : 5536764.6/31

All: 835.143 ± 0.093 χ^2/NDF : 12240429.5/63

- sign 839.041 ± 0.133 χ^2/NDF : 6701983.8/31

reg_asym_sam_1526_avg_mean vs Slug



Right In: 59.466 $\pm$ 62.790 χ^2 /NDF: 3.4/6

Left Out: 15.099 $\pm$ 11.154 χ^2 /NDF:34.2/24

Right Out: 59.440 $\pm$ 58.226 χ^2 /NDF: 15.3/8

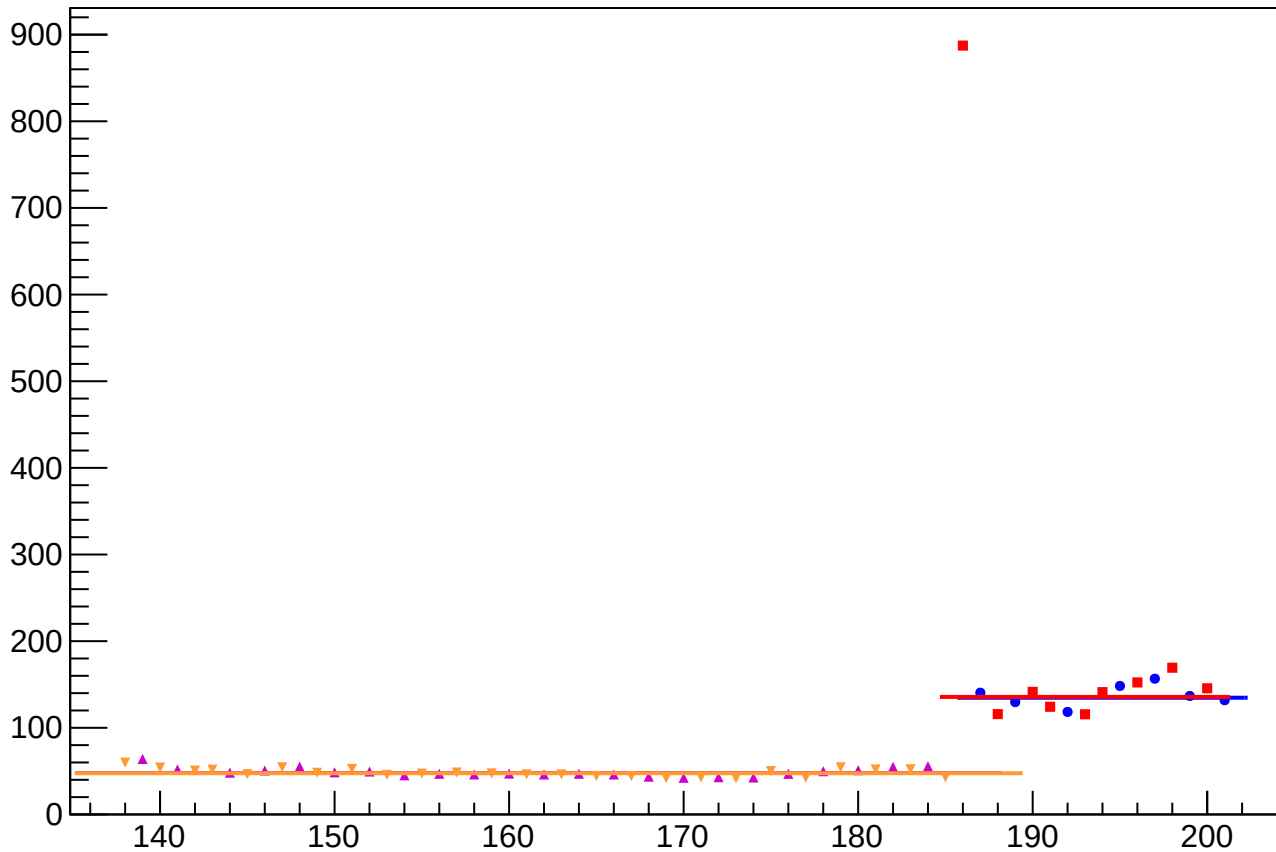
Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 16.456 $\pm$ 10.982 χ^2 /NDF: 38.1/31

All: -11.128 $\pm$ 7.879 χ^2 /NDF: 91.7/63

- sign -40.383 $\pm$ 11.310 χ^2 /NDF: 40.6/31

reg_asym_sam_1526_avg_rms vs Slug



Right In: 134.716 $\pm$ 0.044 χ^2 /NDF: 80534.7/6

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 135.658 $\pm$ 0.041 χ^2 /NDF: 730436.8/8

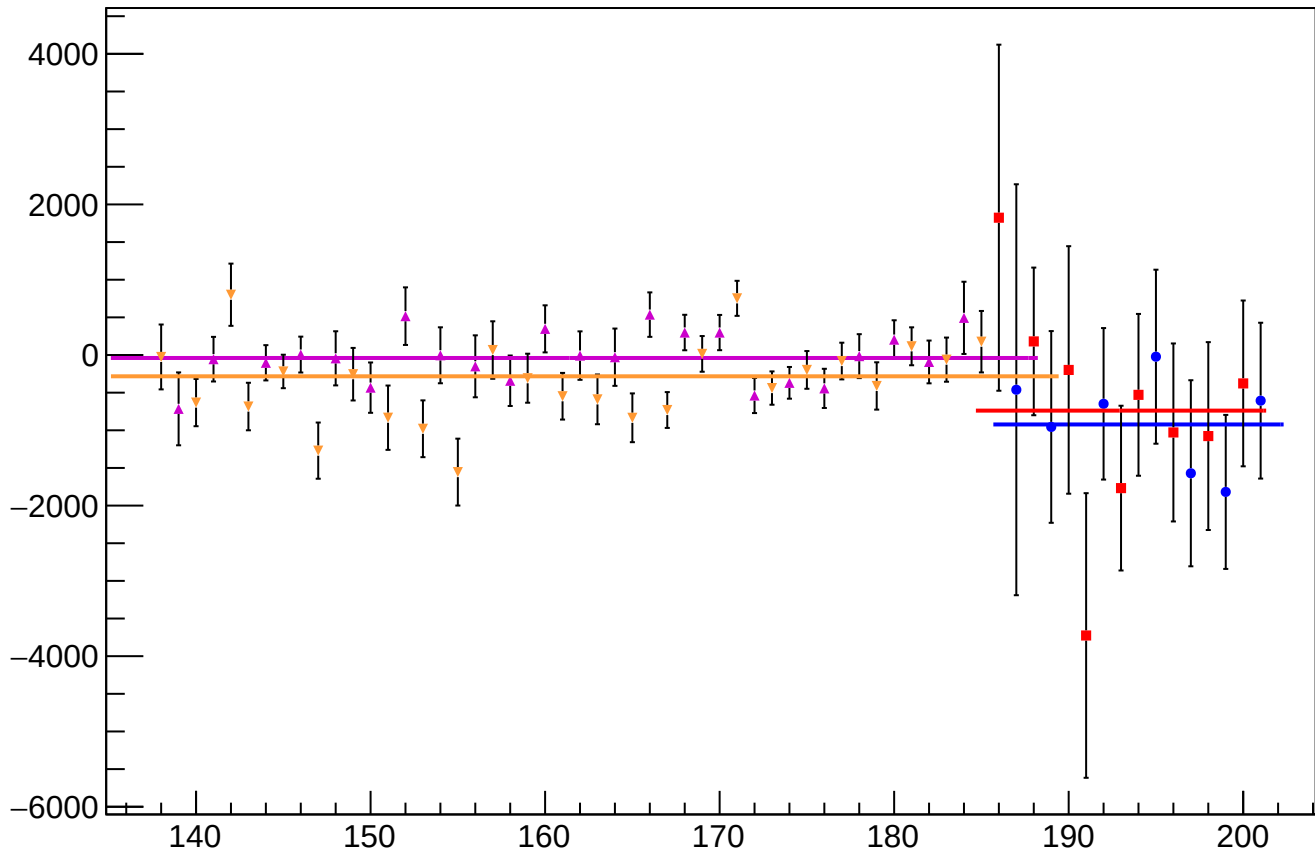
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 50.252 $\pm$ 0.008 χ^2 /NDF: 4126623.1/31

All: 50.692 $\pm$ 0.006 χ^2 /NDF: 9522689.0/63

- sign 51.159 $\pm$ 0.008 χ^2 /NDF: 5389436.9/31

asym_sam_1526_avg_correction_mean vs Slug



Right In: -922.305 ± 445.777 $\chi^2/\text{NDF}: 1.8/6$

Left Out: -282.798 ± 59.690 $\chi^2/\text{NDF}: 66.5/24$

Right Out: -738.533 ± 416.535 $\chi^2/\text{NDF}: 5.9/8$

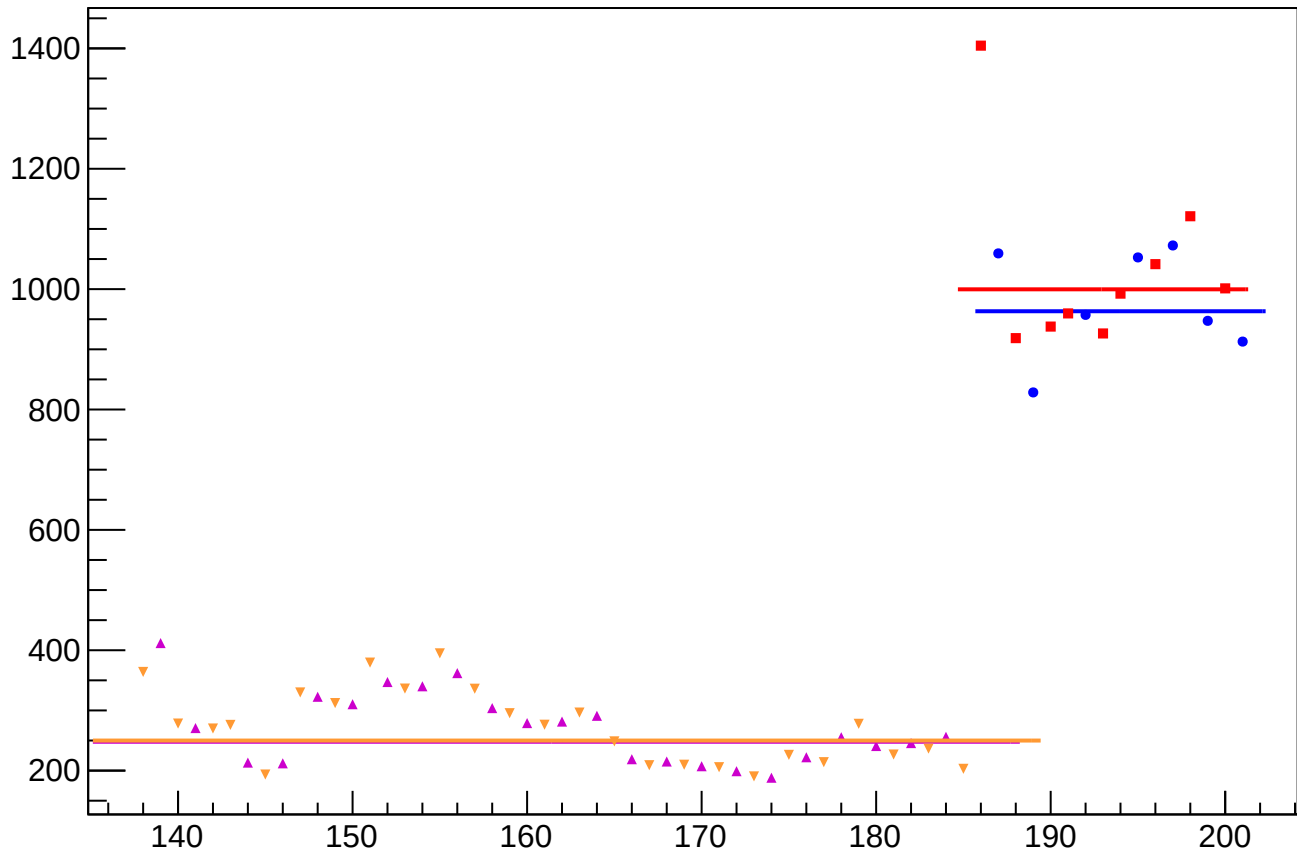
Left In: -39.432 ± 60.759 $\chi^2/\text{NDF}: 27.5/22$

+ sign -294.062 ± 59.162 $\chi^2/\text{NDF}: 70.4/31$

All: -175.963 ± 42.169 $\chi^2/\text{NDF}: 114.7/63$

- sign -53.997 ± 60.123 $\chi^2/\text{NDF}: 36.2/31$

asym_sam_1526_avg_correction_rms vs Slug



Right In: 963.264 ± 0.315 χ^2/NDF : 57841.8/6

Left Out: 249.956 ± 0.042 χ^2/NDF : 1614205.9/24

Right Out: 999.686 ± 0.295 χ^2/NDF : 110006.8/8

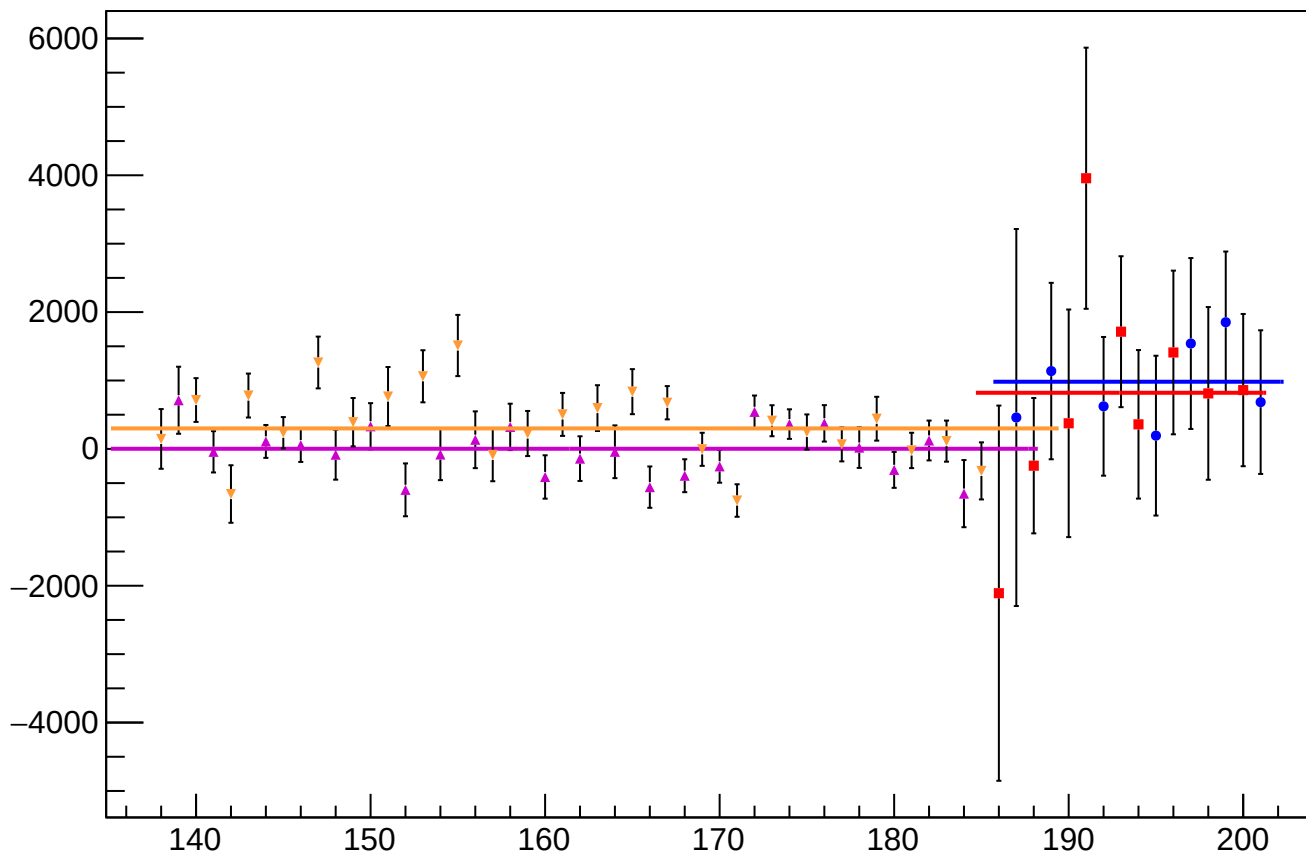
Left In: 247.917 ± 0.043 χ^2/NDF : 1410847.5/22

+ sign 262.520 ± 0.042 χ^2/NDF : 6702772.2/31

All: 263.041 ± 0.030 χ^2/NDF : 14602935.3/63

- sign 263.579 ± 0.043 χ^2/NDF : 7899847.9/31

asym_sam_1526_avg_mean vs Slug



Right In: 982.005 ± 450.705 χ^2/NDF : 1.6/6

Left Out: 299.562 ± 60.860 χ^2/NDF : 62.5/24

Right Out: 820.815 ± 422.787 χ^2/NDF : 6.2/8

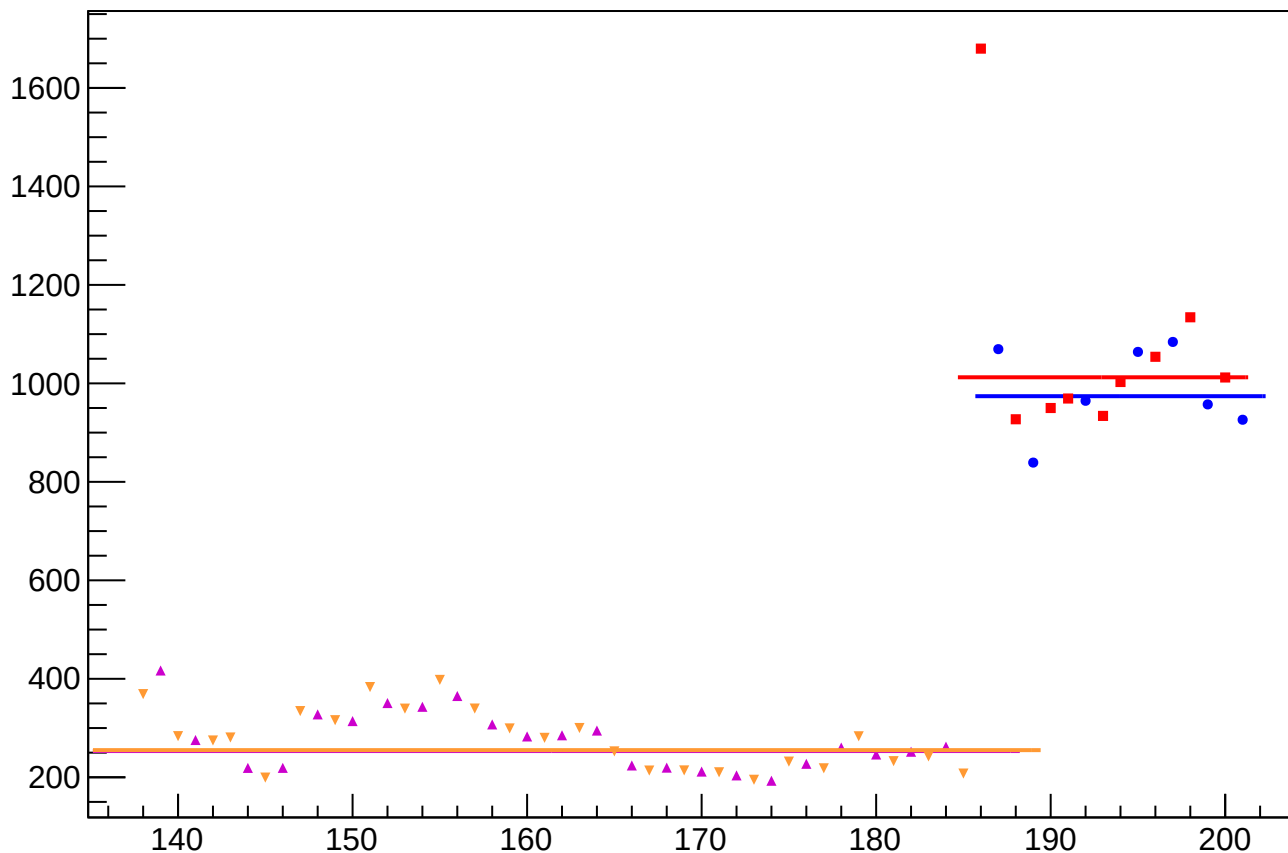
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 311.783 ± 60.312 χ^2/NDF : 66.3/31

All: 168.092 ± 43.009 χ^2/NDF : 116.9/63

- sign 19.422 ± 61.348 χ^2/NDF : 39.0/31

asym_sam_1526_avg_rms vs Slug



Right In: 973.965 $\pm$ 0.319 χ^2 /NDF: 56543.9/6

Left Out: 255.135 $\pm$ 0.043 χ^2 /NDF: 1542039.5/24

Right Out: 1012.340 $\pm$ 0.299 χ^2 /NDF: 168494.4/8

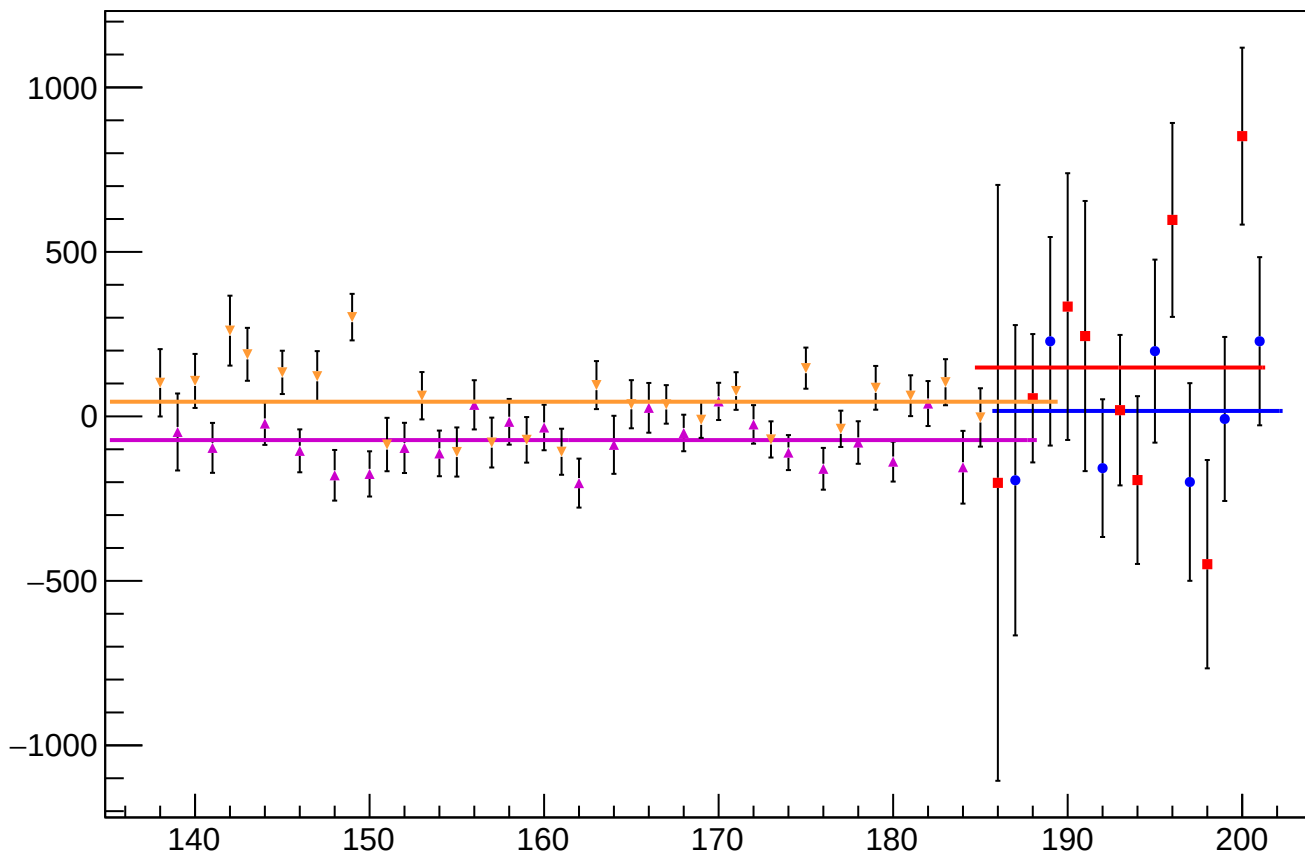
Left In: 253.287 $\pm$ 0.044 χ^2 /NDF: 1341662.3/22

+ sign 268.008 $\pm$ 0.043 χ^2 /NDF: 6594898.2/31

All: 268.628 $\pm$ 0.030 χ^2 /NDF: 14416350.7/63

- sign 269.270 $\pm$ 0.043 χ^2 /NDF: 7821022.1/31

reg_asym_sam_3726_avg_mean vs Slug



Right In: 16.562 ± 103.882 $\chi^2/\text{NDF}: 3.0/6$

Left Out: 44.602 ± 13.824 $\chi^2/\text{NDF}: 53.9/24$

Right Out: 148.551 ± 95.648 $\chi^2/\text{NDF}: 15.5/8$

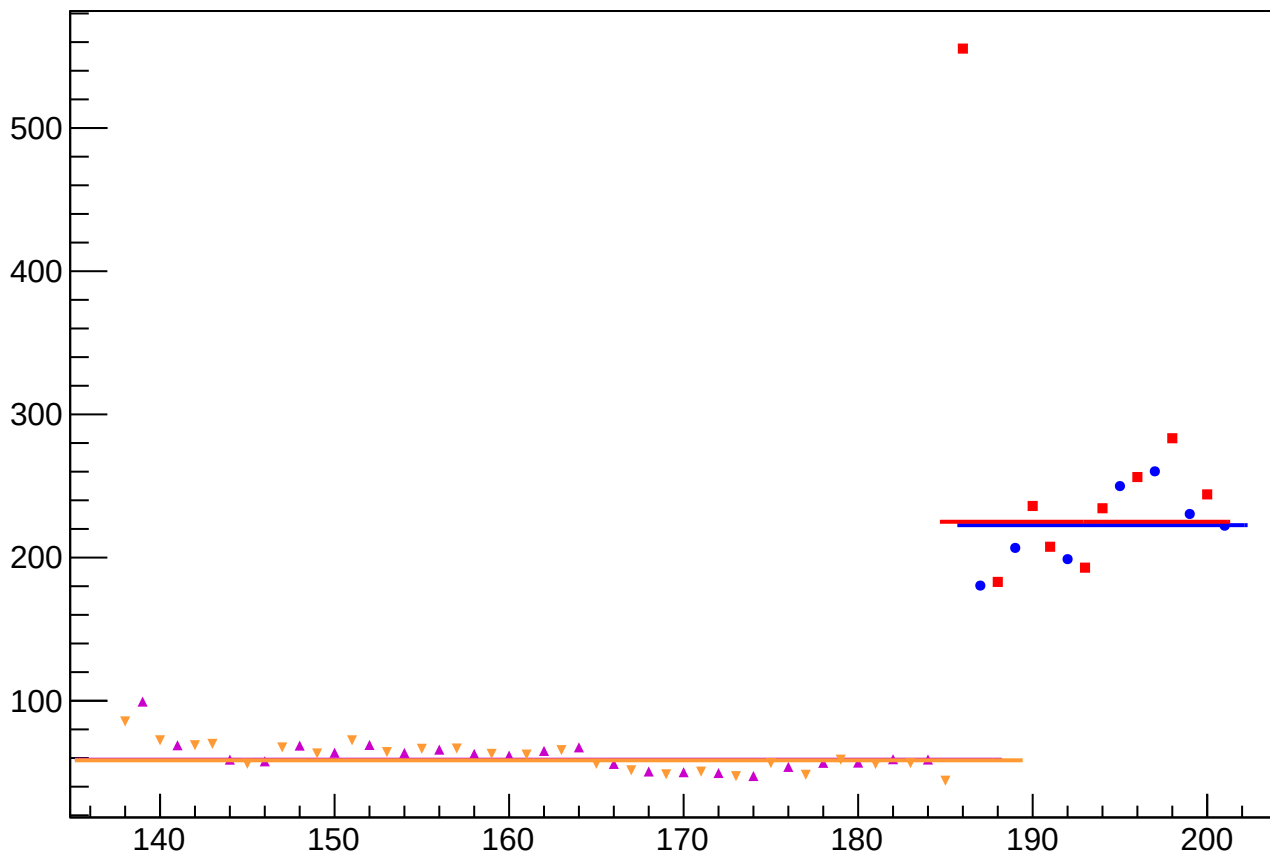
Left In: -72.037 ± 14.296 $\chi^2/\text{NDF}: 25.3/22$

+ sign 44.114 ± 13.703 $\chi^2/\text{NDF}: 57.0/31$

All: -9.809 ± 9.840 $\chi^2/\text{NDF}: 134.9/63$

- sign -67.217 ± 14.139 $\chi^2/\text{NDF}: 46.0/31$

reg_asym_sam_3726_avg_rms vs Slug



Right In: 222.643 ± 0.073 χ^2/NDF : 99283.1/6

Left Out: 58.423 ± 0.010 χ^2/NDF : 790091.3/24

Right Out: 225.021 ± 0.068 χ^2/NDF : 506528.1/8

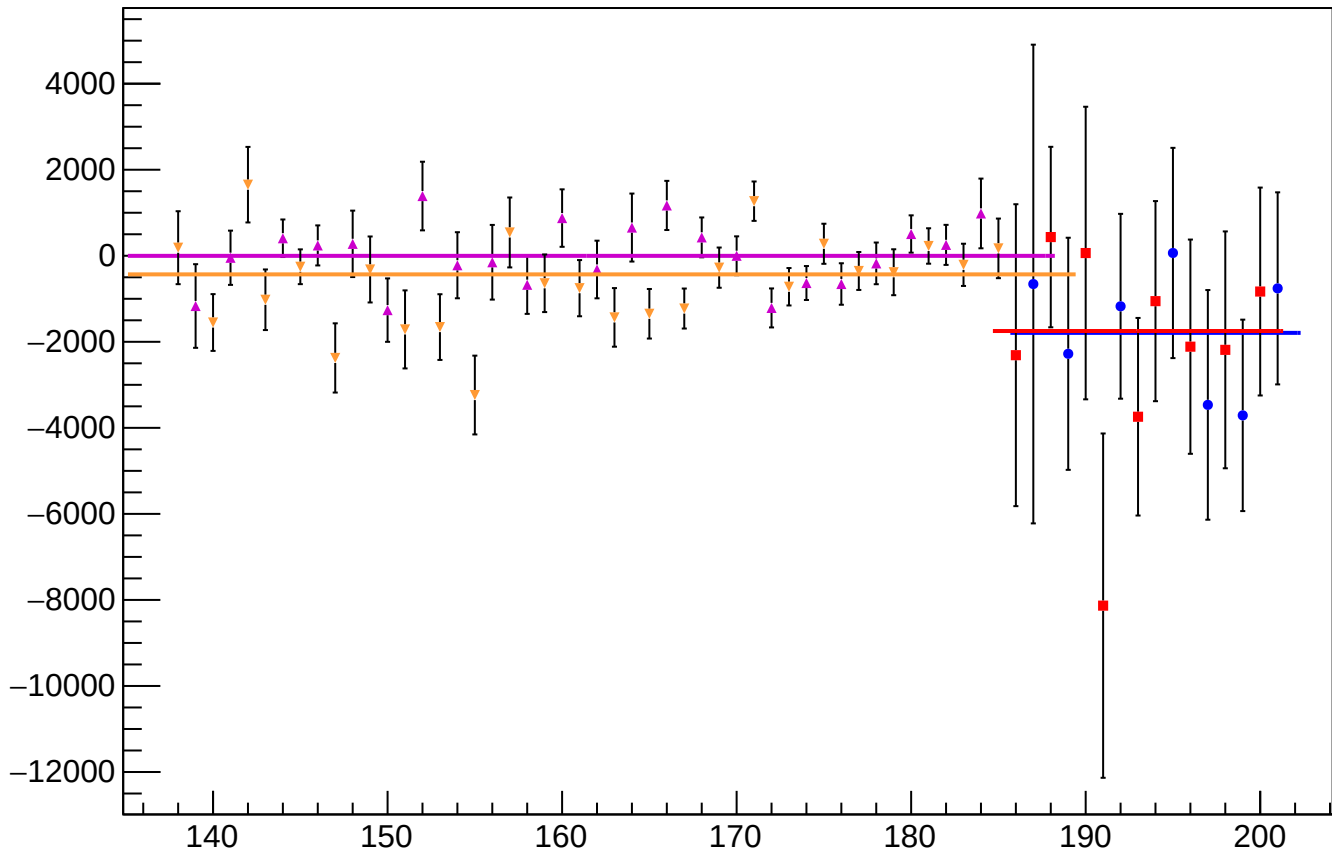
Left In: 58.840 ± 0.010 χ^2/NDF : 679925.7/22

+ sign 61.280 ± 0.010 χ^2/NDF : 5800503.2/31

All: 61.857 ± 0.007 χ^2/NDF : 12899687.6/63

- sign 62.471 ± 0.010 χ^2/NDF : 7091869.5/31

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1792.140 $\pm$ 954.858 χ^2/NDF : 2.1/6

Left Out: -432.330 $\pm$ 114.408 χ^2/NDF : 59.4/24

Right Out: -1749.068 $\pm$ 878.315 χ^2/NDF : 5.0/8

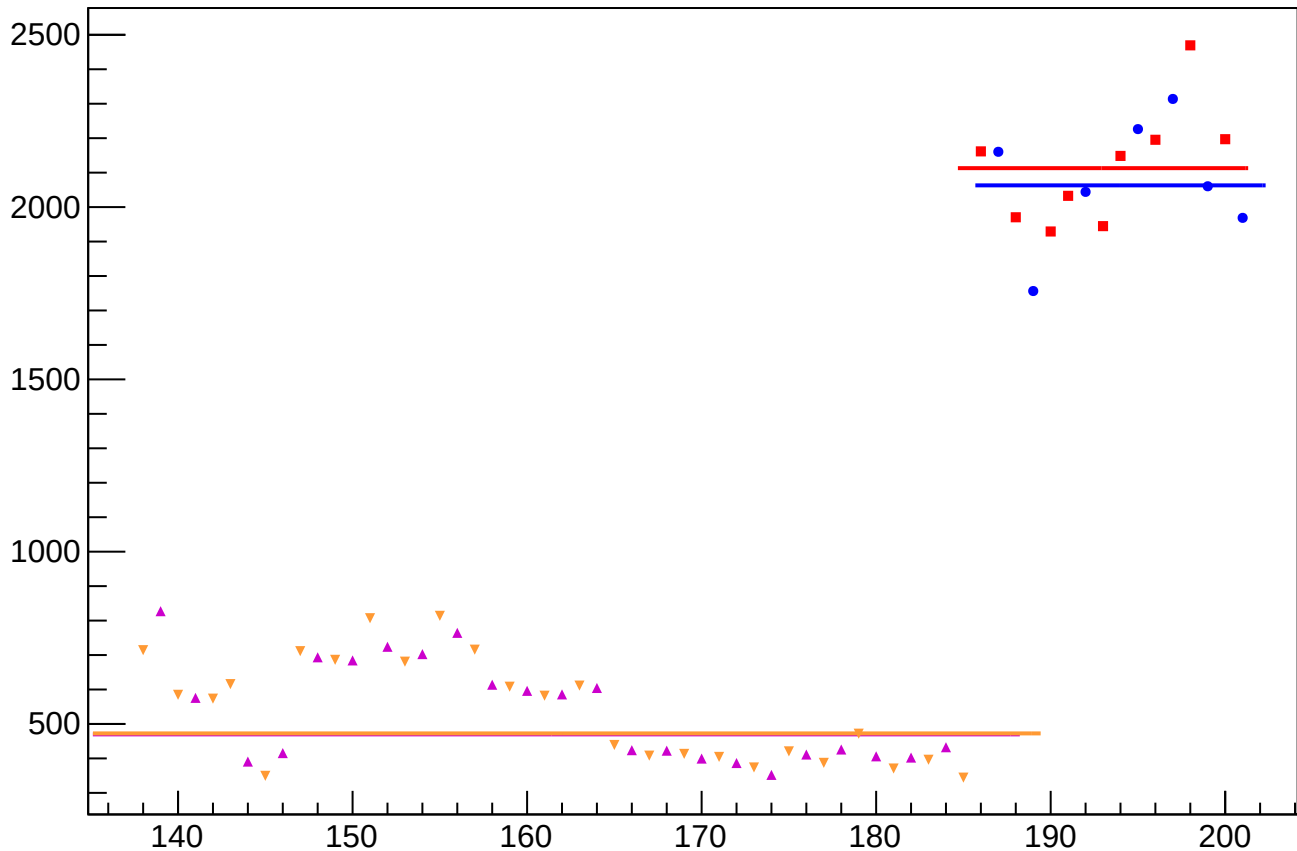
Left In: -1.825 $\pm$ 116.459 χ^2/NDF : 32.3/22

+ sign -451.575 $\pm$ 113.596 χ^2/NDF : 63.5/31

All: -245.188 $\pm$ 80.971 χ^2/NDF : 111.4/63

- sign -32.013 $\pm$ 115.448 χ^2/NDF : 41.2/31

asym_sam_3726_avg_correction_rms vs Slug



Right In: 2063.075+/-0.675 χ^2/NDF : 56768.2/6

Left Out: 472.569+/-0.081 χ^2/NDF : 2508168.9/24

Right Out: 2113.024+/-0.621 χ^2/NDF : 65599.0/8

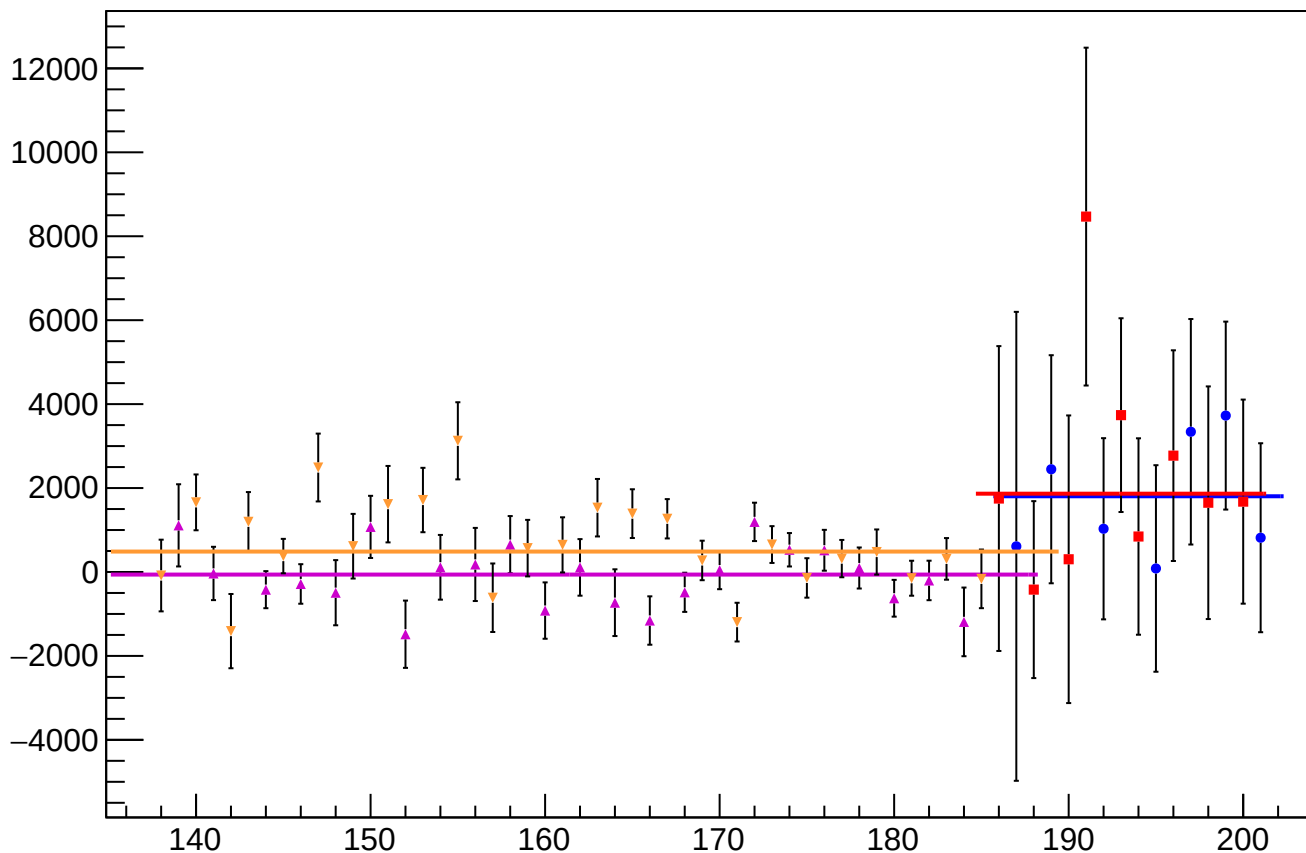
Left In: 469.761+/-0.082 χ^2/NDF : 2116885.7/22

+ sign 495.079+/-0.080 χ^2/NDF : 8035504.8/31

All: 496.591+/-0.057 χ^2/NDF : 17098494.6/63

- sign 498.152+/-0.082 χ^2/NDF : 9062269.7/31

asym_sam_3726_avg_mean vs Slug



Right In: 1804.181 $\pm$ 961.154 χ^2 /NDF: 2.0/6

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 1865.671 $\pm$ 885.282 χ^2 /NDF: 5.1/8

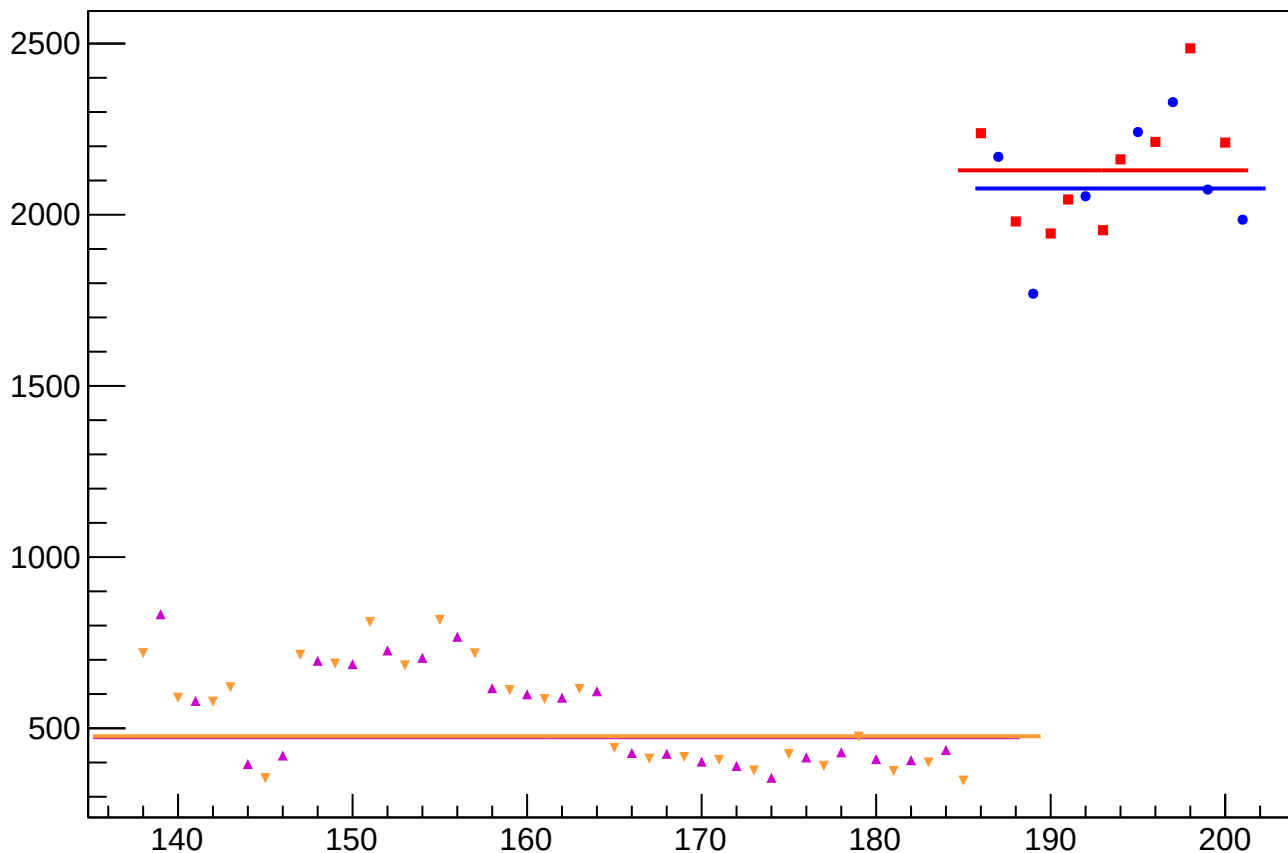
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 505.351 $\pm$ 114.524 χ^2 /NDF: 59.9/31

All: 242.858 $\pm$ 81.646 χ^2 /NDF: 111.4/63

- sign -28.437 $\pm$ 116.429 χ^2 /NDF: 40.9/31

asym_sam_3726_avg_rms vs Slug



Right In: 2076.719+/-0.680 χ^2/NDF : 56248.7/6

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 2129.708+/-0.626 χ^2/NDF : 67824.8/8

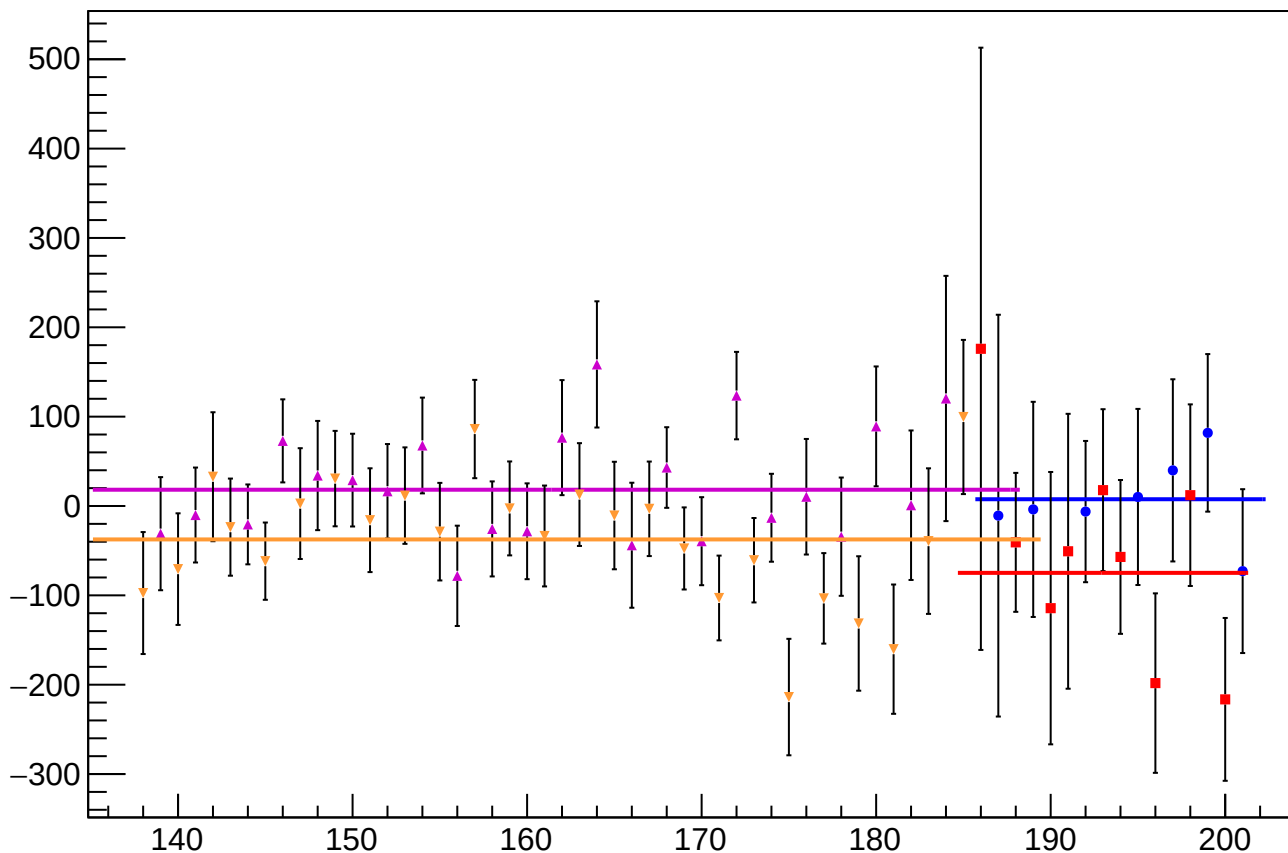
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 499.406+/-0.081 χ^2/NDF : 7992721.6/31

All: 500.987+/-0.058 χ^2/NDF : 17023324.8/63

- sign 502.622+/-0.082 χ^2/NDF : 9029828.0/31

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 7.568 ± 37.918 χ^2/NDF : 1.6/6

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -74.837 ± 34.654 χ^2/NDF : 6.6/8

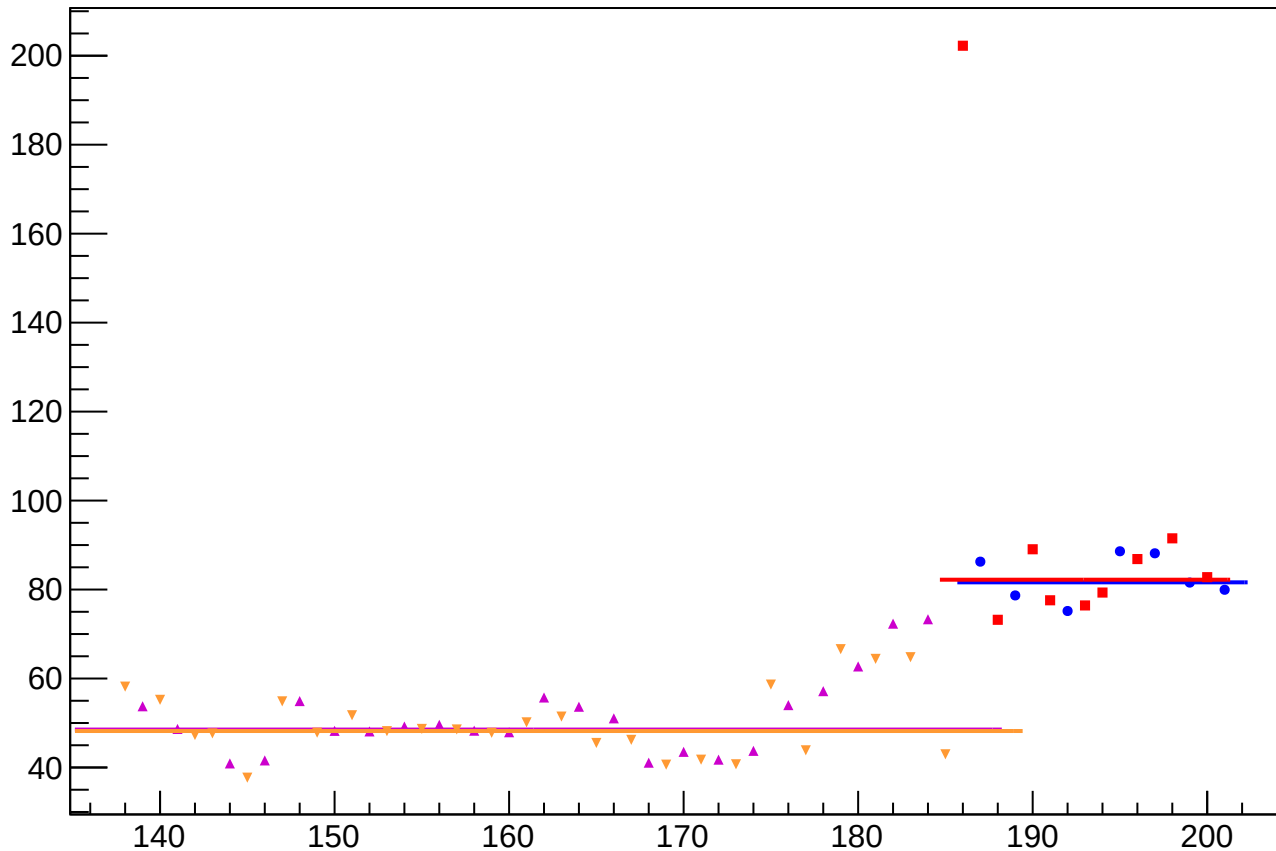
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -33.690 ± 10.908 χ^2/NDF : 33.4/31

All: -13.046 ± 7.801 χ^2/NDF : 76.8/63

- sign 8.561 ± 11.160 χ^2/NDF : 36.0/31

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 81.620+/-0.027 χ^2/NDF : 34239.8/6

Left Out: 48.200+/-0.008 χ^2/NDF : 750196.2/24

Right Out: 82.212+/-0.025 χ^2/NDF : 317897.0/8

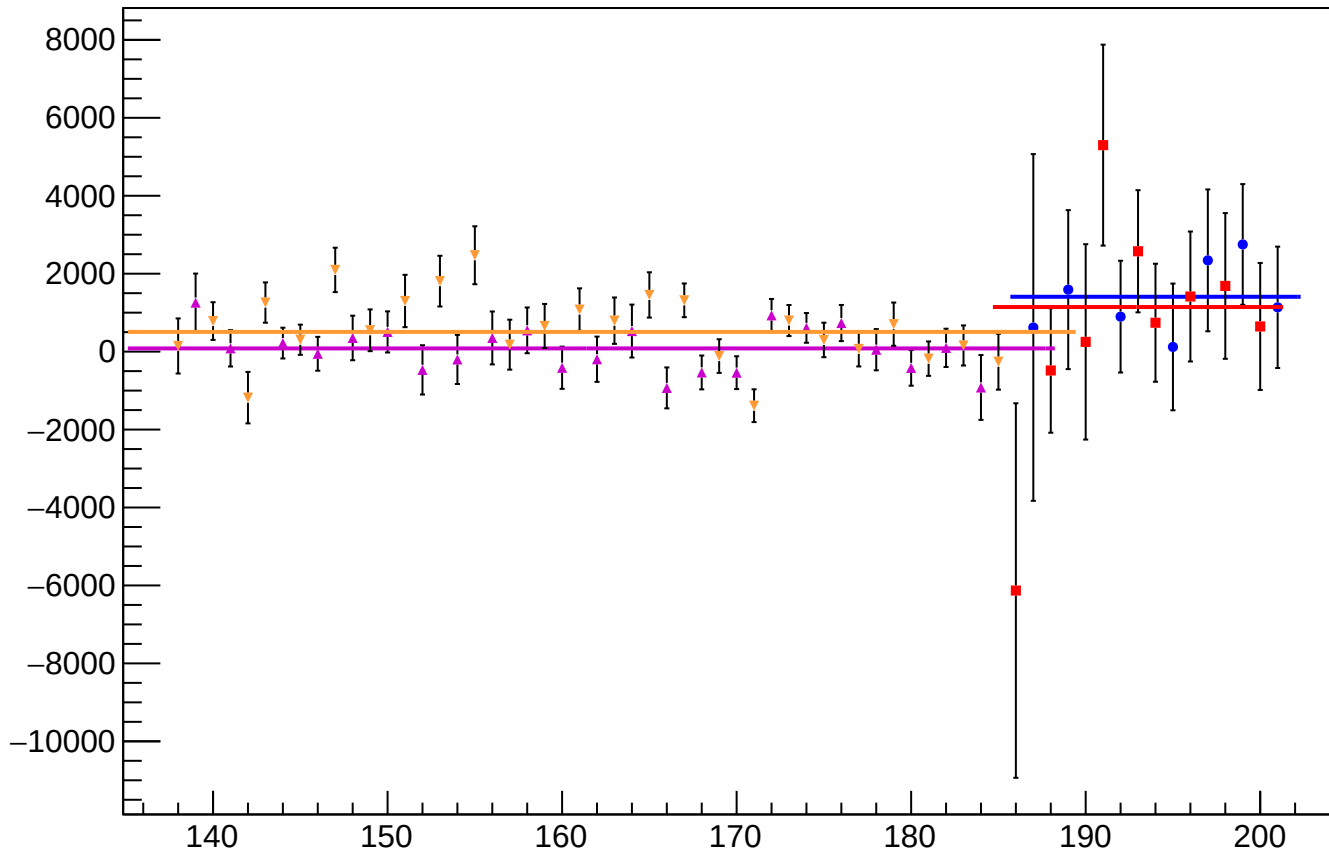
Left In: 48.527+/-0.008 χ^2/NDF : 675340.8/22

+ sign 50.966+/-0.008 χ^2/NDF : 2209583.9/31

All: 51.481+/-0.006 χ^2/NDF : 4905687.4/63

- sign 52.020+/-0.008 χ^2/NDF : 2686971.5/31

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1407.608 ± 661.307 χ^2/NDF : 1.8/6

Left Out: 506.205 ± 103.468 χ^2/NDF : 65.7/24

Right Out: 1144.663 ± 618.925 χ^2/NDF : 7.2/8

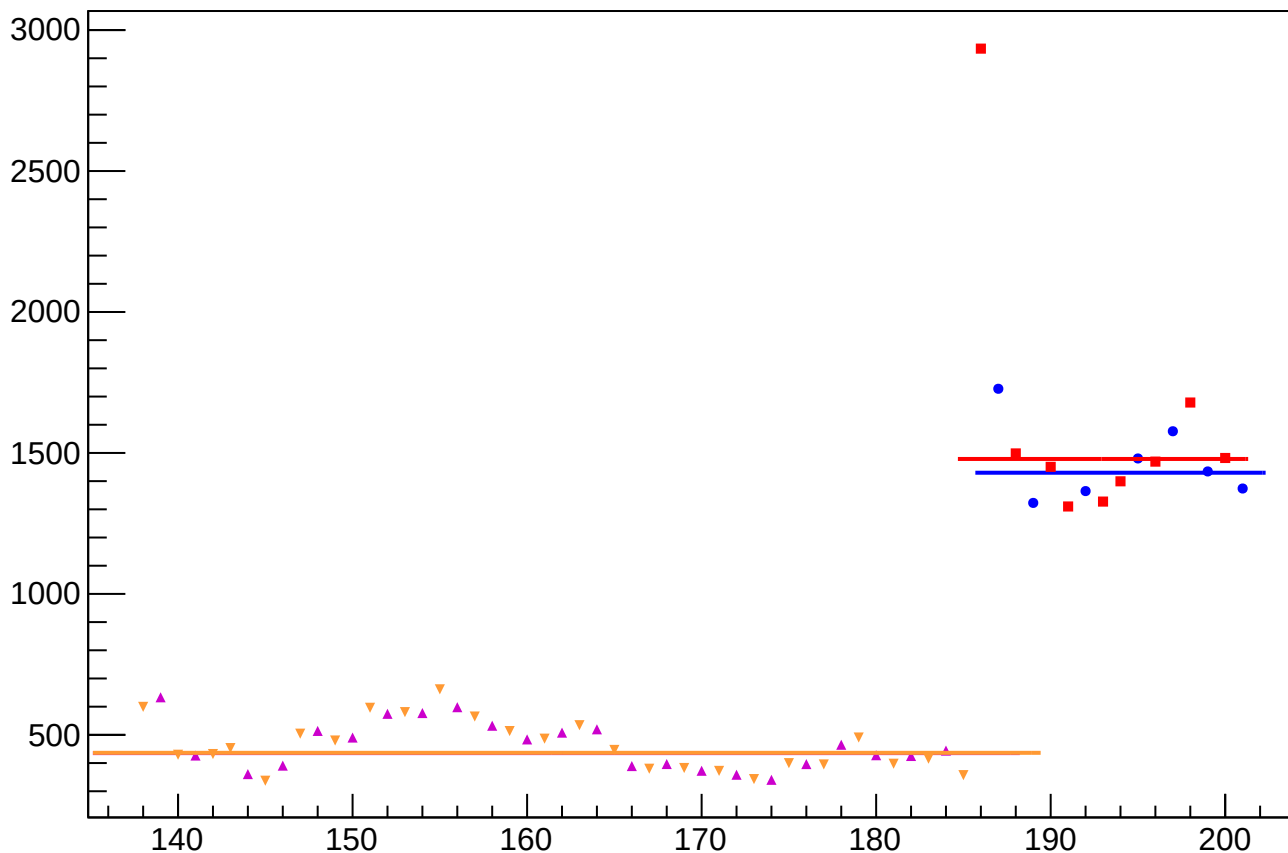
Left In: 82.421 ± 105.935 χ^2/NDF : 25.3/22

+ sign 527.744 ± 102.224 χ^2/NDF : 69.4/31

All: 324.603 ± 73.046 χ^2/NDF : 112.8/63

- sign 112.654 ± 104.417 χ^2/NDF : 35.4/31

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1429.844+/-0.468 χ^2/NDF : 36202.4/6

Left Out: 436.301+/-0.073 χ^2/NDF : 1179348.4/24

Right Out: 1478.665+/-0.438 χ^2/NDF : 239673.7/8

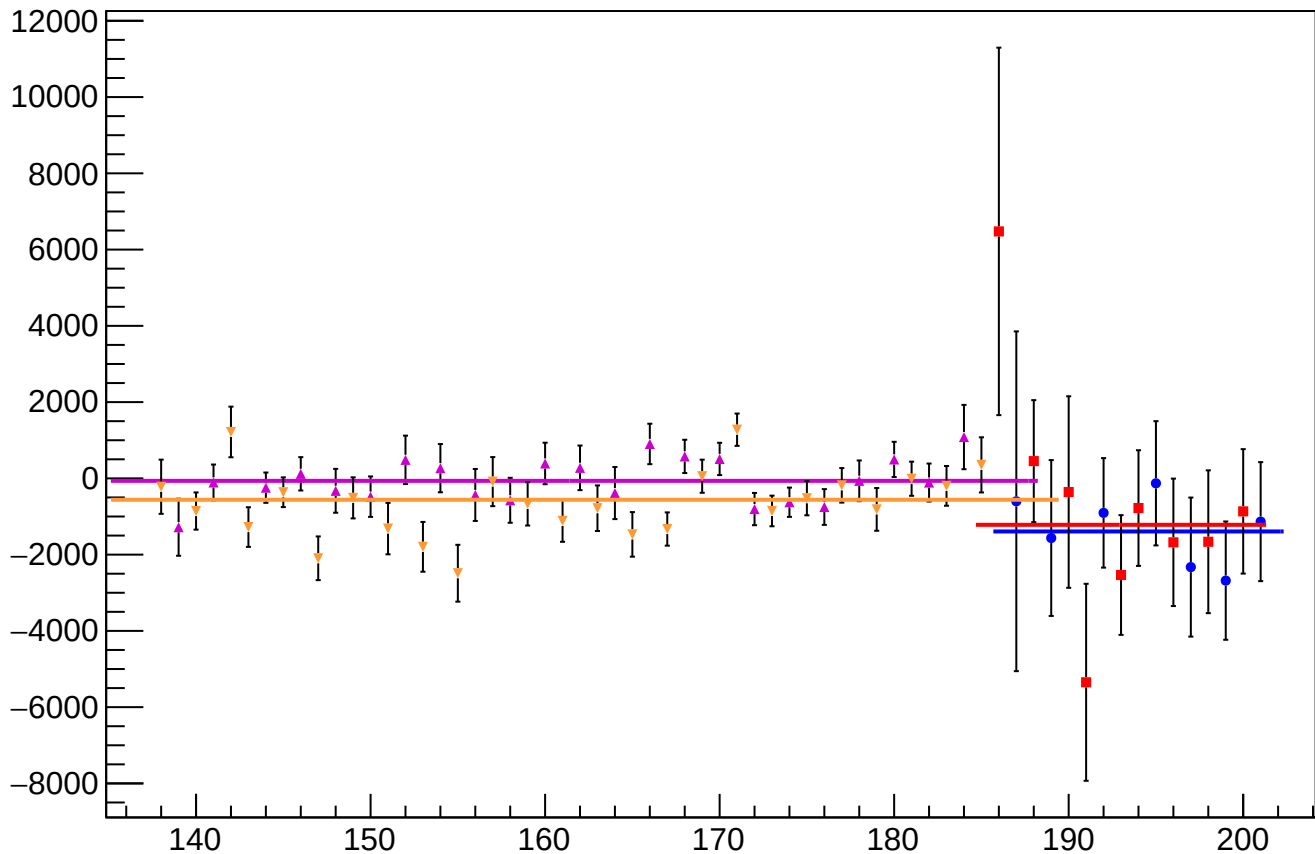
Left In: 435.275+/-0.075 χ^2/NDF : 1027713.1/22

+ sign 460.042+/-0.072 χ^2/NDF : 5622042.4/31

All: 462.455+/-0.052 χ^2/NDF : 12413847.5/63

- sign 464.972+/-0.074 χ^2/NDF : 6789528.4/31

asym_sam_15_48_dd_mean vs Slug



Right In: -1392.189+/-662.494 χ^2/NDF : 1.7/6

Left Out: -560.684+/-104.207 χ^2/NDF : 61.8/24

Right Out: -1217.925+/-620.004 χ^2/NDF : 7.3/8

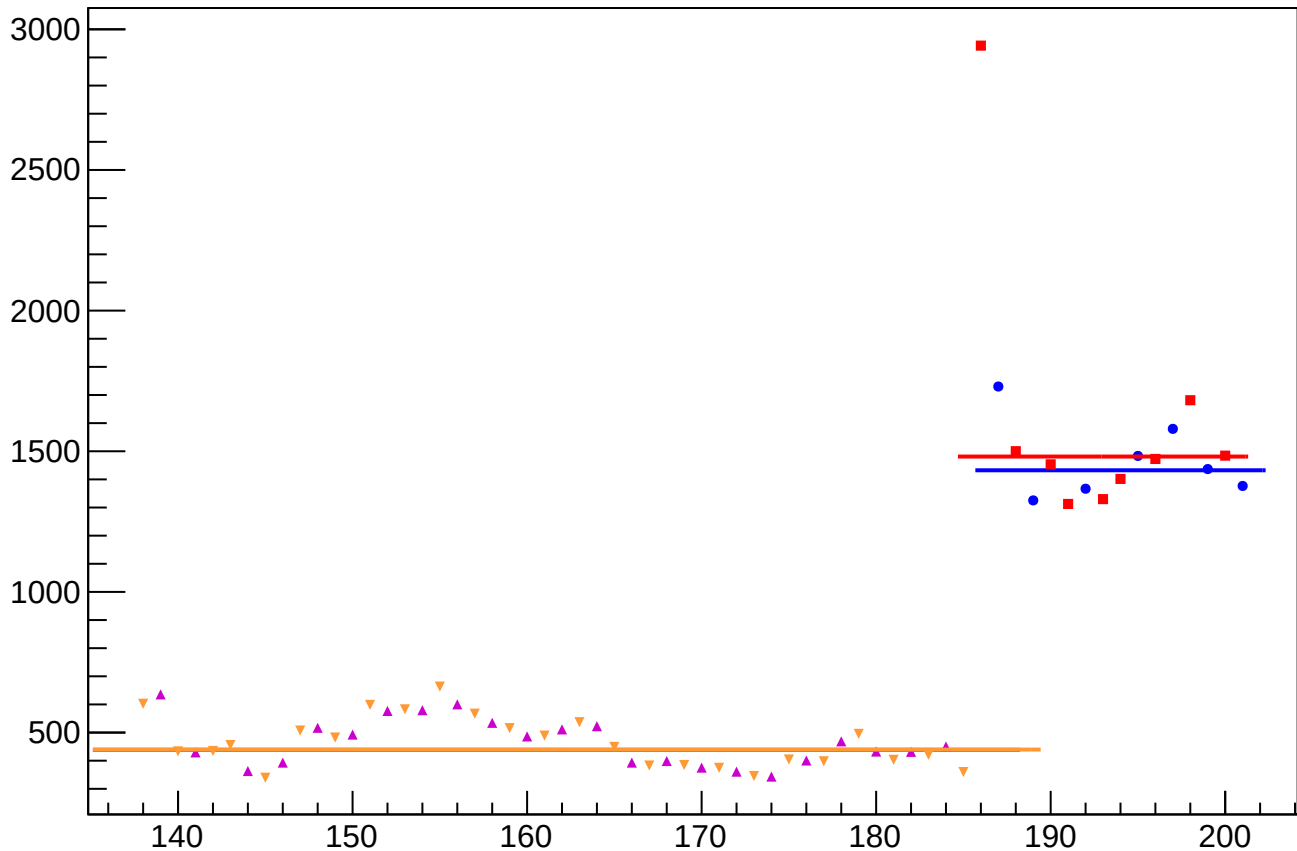
Left In: -64.594+/-106.708 χ^2/NDF : 25.2/22

+ sign -580.760+/-102.941 χ^2/NDF : 65.0/31

All: -344.419+/-73.563 χ^2/NDF : 111.6/63

- sign -97.774+/-105.161 χ^2/NDF : 35.8/31

asym_sam_15_48_dd_rms vs Slug



Right In: 1432.416+/-0.468 χ^2/NDF : 36163.0/6

Left Out: 439.527+/-0.074 χ^2/NDF : 1163352.8/24

Right Out: 1481.240+/-0.438 χ^2/NDF : 239841.8/8

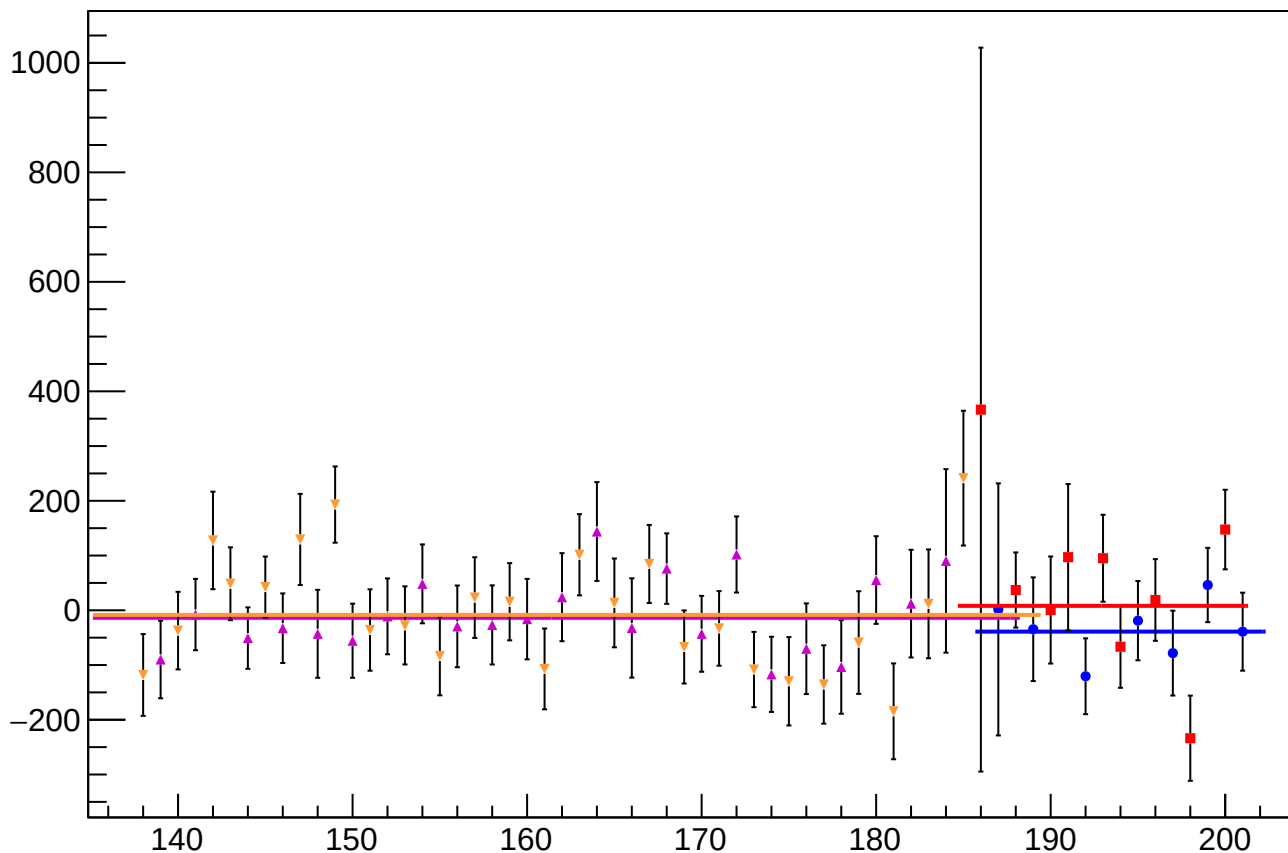
Left In: 438.548+/-0.075 χ^2/NDF : 1013071.4/22

+ sign 463.500+/-0.073 χ^2/NDF : 5583344.5/31

All: 465.968+/-0.052 χ^2/NDF : 12332454.7/63

- sign 468.545+/-0.074 χ^2/NDF : 6746759.5/31

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -38.945 ± 30.013 χ^2/NDF : 3.3/6

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 8.132 ± 28.338 χ^2/NDF : 16.5/8

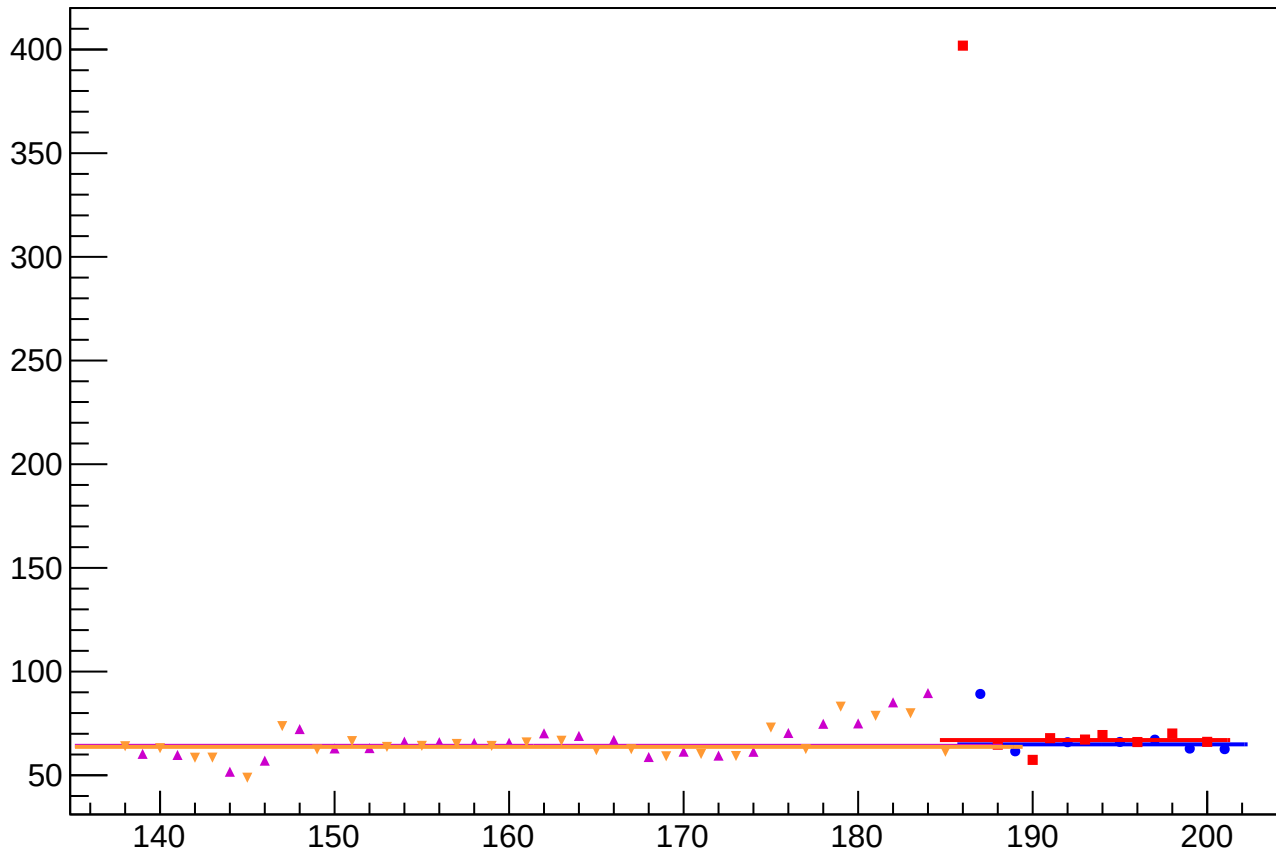
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -14.475 ± 13.371 χ^2/NDF : 45.8/31

All: -11.634 ± 9.529 χ^2/NDF : 79.0/63

- sign -8.701 ± 13.584 χ^2/NDF : 33.2/31

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 64.901 $\pm$ 0.021 χ^2 /NDF: 31406.8/6

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 66.970 $\pm$ 0.020 χ^2 /NDF: 540357.8/8

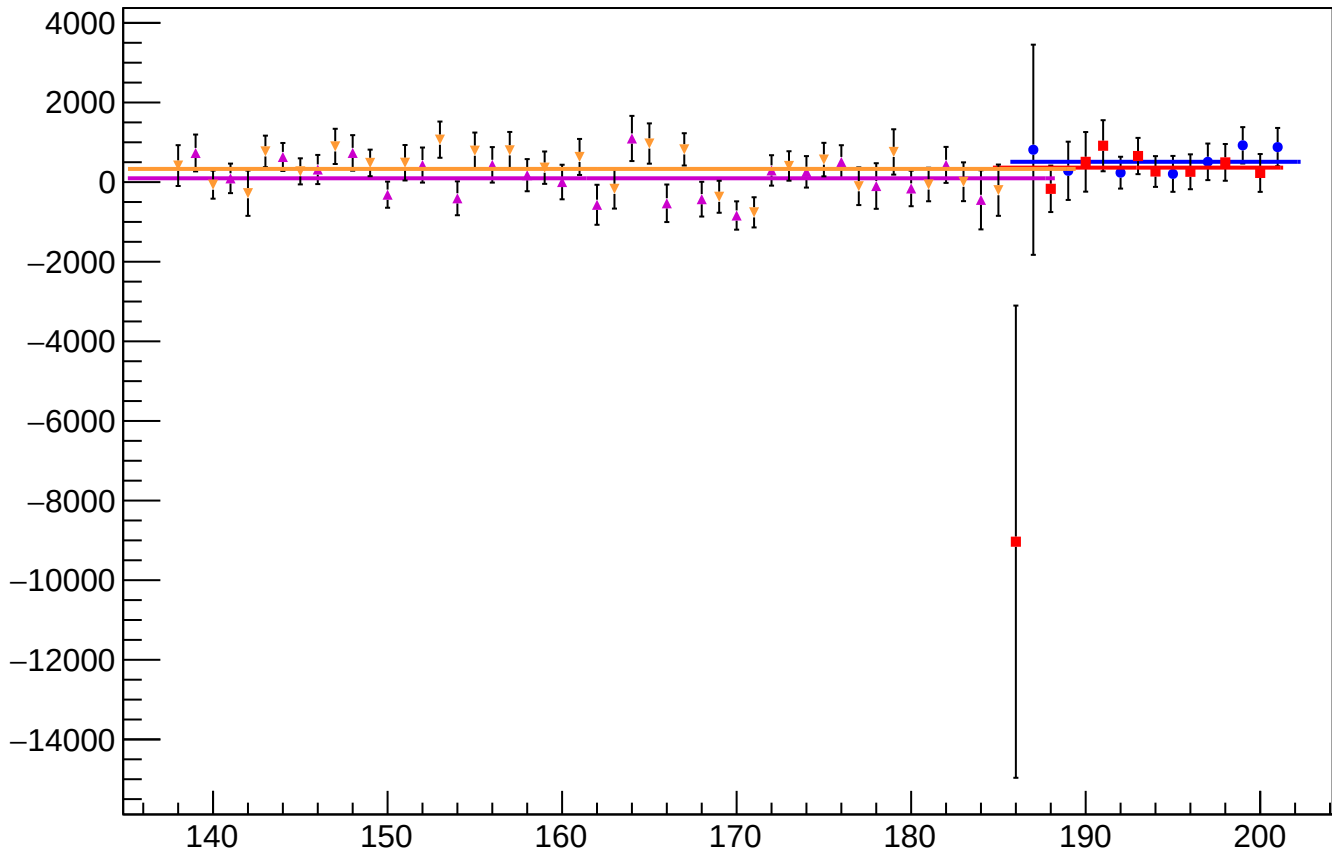
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.935 $\pm$ 0.009 χ^2 /NDF: 482431.8/31

All: 64.375 $\pm$ 0.007 χ^2 /NDF: 1471688.6/63

- sign 64.828 $\pm$ 0.010 χ^2 /NDF: 984866.9/31

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 510.338 $\pm$ 192.310 χ^2 /NDF: 2.4/6

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF: 29.9/24

Right Out: 363.842 $\pm$ 174.052 χ^2 /NDF: 4.8/8

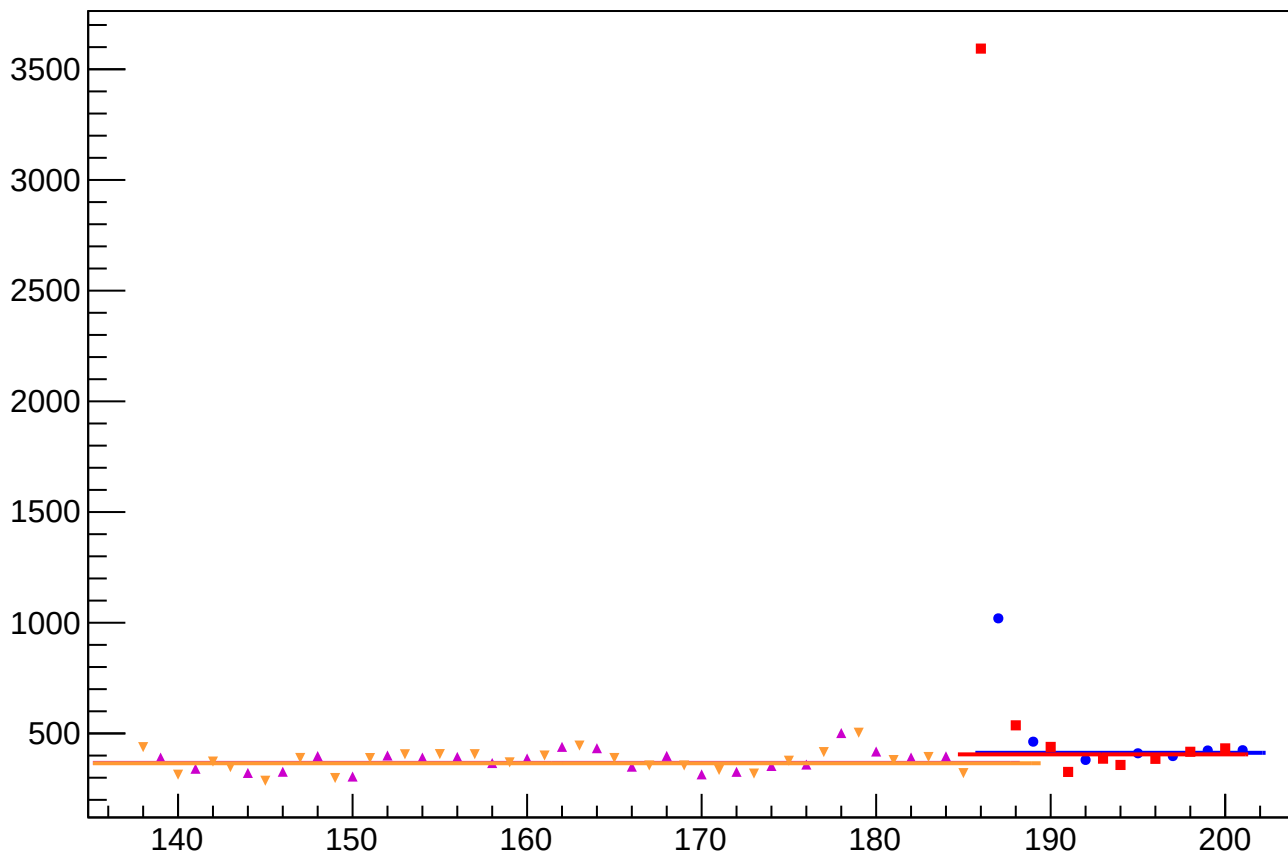
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF: 28.7/22

+ sign 361.544 $\pm$ 78.561 χ^2 /NDF: 33.0/31

All: 256.908 $\pm$ 55.705 χ^2 /NDF: 72.0/63

- sign 151.105 $\pm$ 78.998 χ^2 /NDF: 35.4/31

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 412.518 $\pm$ 0.136 χ^2 /NDF: 132632.0/6

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 405.426 $\pm$ 0.123 χ^2 /NDF: 759755.6/8

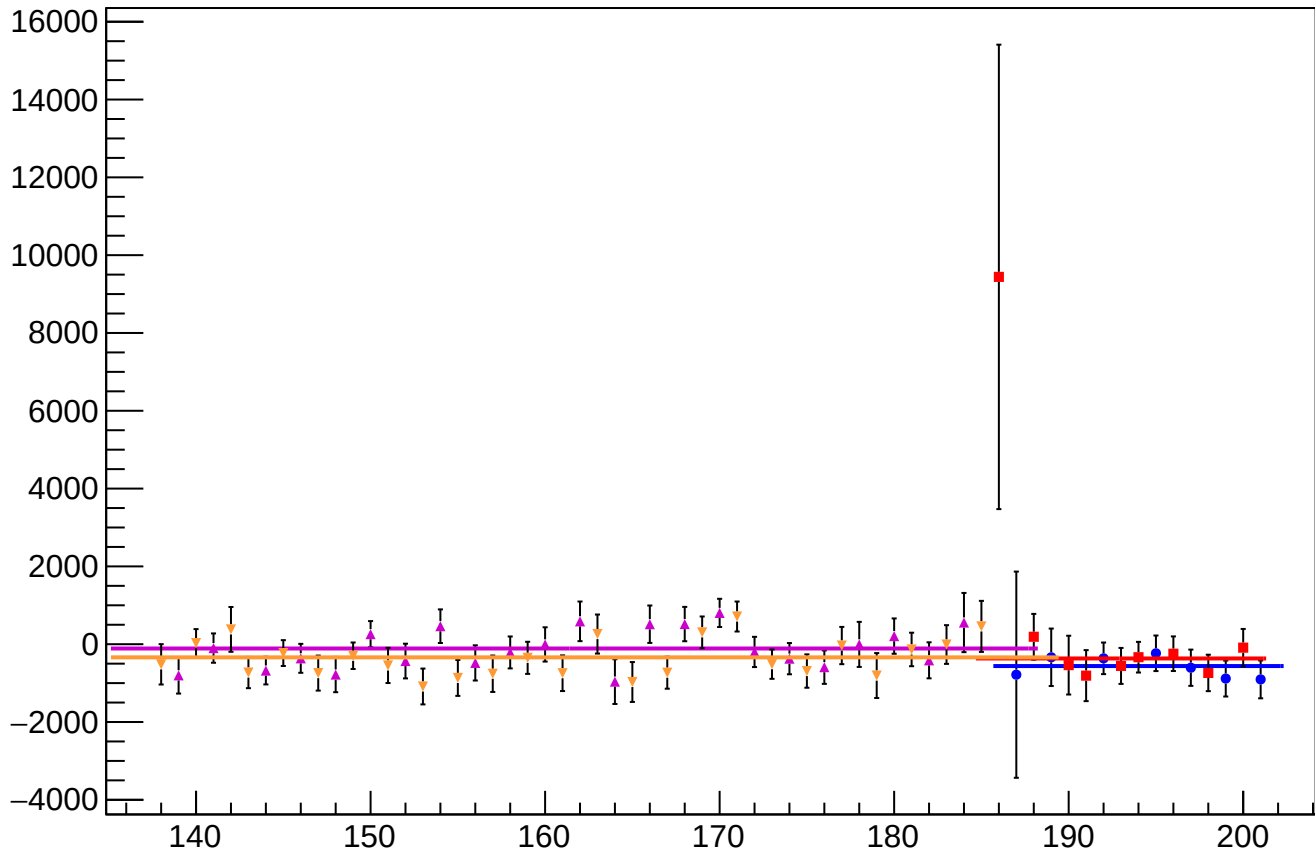
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 373.226 $\pm$ 0.056 χ^2 /NDF: 851300.7/31

All: 374.037 $\pm$ 0.039 χ^2 /NDF: 2167271.5/63

- sign 374.856 $\pm$ 0.056 χ^2 /NDF: 1315542.6/31

asym_sam_37_48_dd_mean vs Slug



Right In: -561.644+/-194.791 χ^2/NDF : 1.8/6

Left Out: -338.528+/-87.450 χ^2/NDF : 28.2/24

Right Out: -366.660+/-176.630 χ^2/NDF : 5.3/8

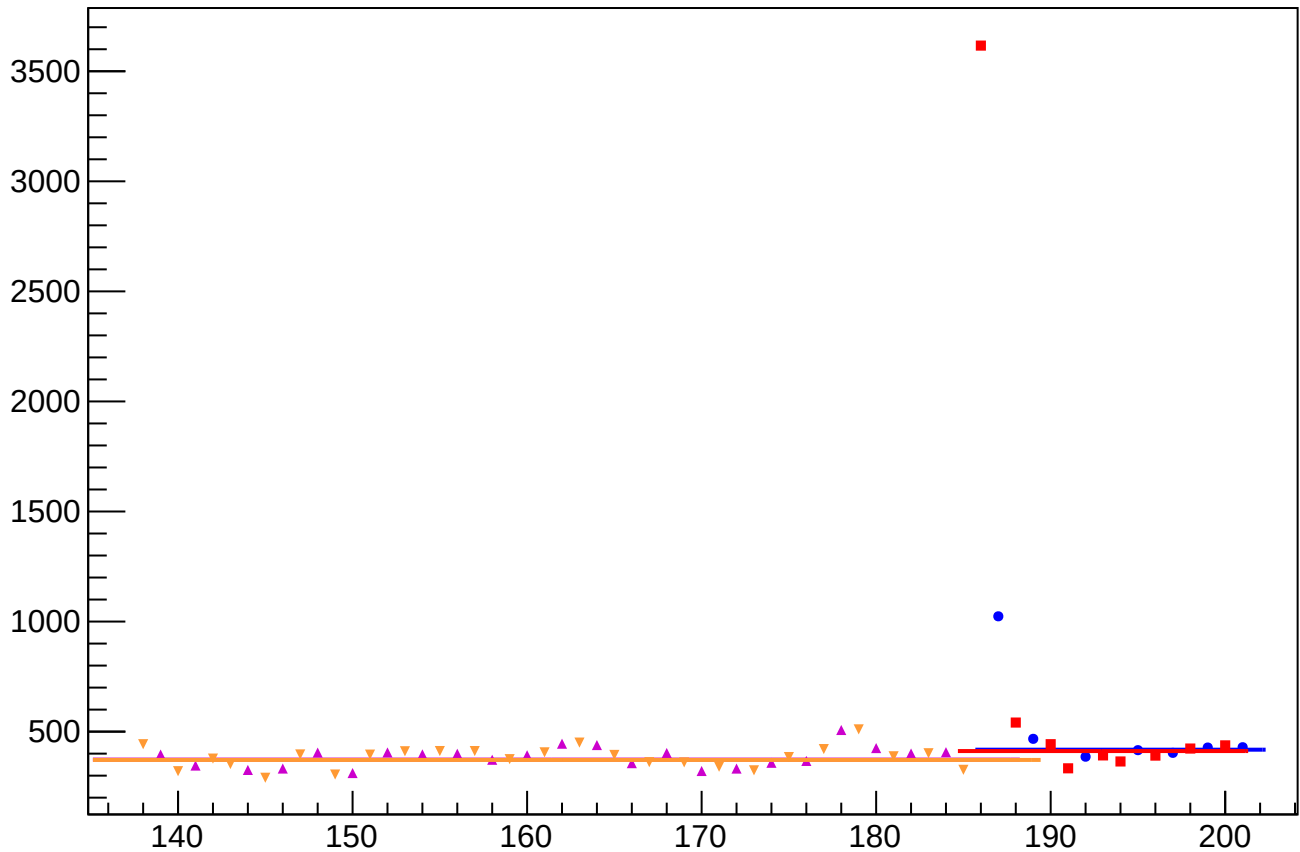
Left In: -110.341+/-90.084 χ^2/NDF : 29.2/22

+ sign -375.954+/-79.779 χ^2/NDF : 31.1/31

All: -270.227+/-56.578 χ^2/NDF : 70.9/63

- sign -163.250+/-80.249 χ^2/NDF : 36.2/31

asym_sam_37_48_dd_rms vs Slug



Right In: 417.947+/-0.138 χ^2/NDF : 129671.6/6

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 411.691+/-0.125 χ^2/NDF : 749391.4/8

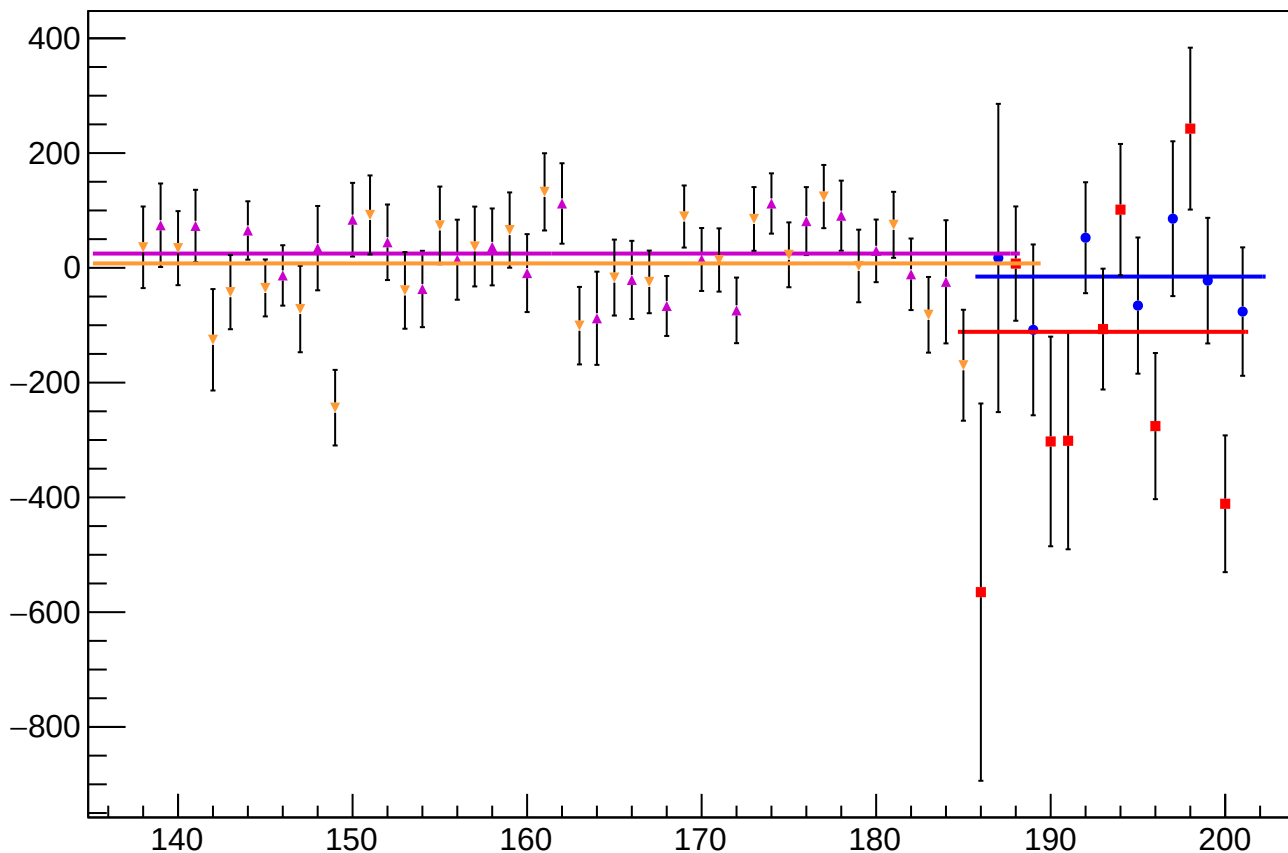
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 379.171+/-0.056 χ^2/NDF : 828969.2/31

All: 380.049+/-0.040 χ^2/NDF : 2122589.6/63

- sign 380.937+/-0.057 χ^2/NDF : 1293133.4/31

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -15.224 ± 46.864 χ^2/NDF : 1.9/6

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -111.495 ± 43.985 χ^2/NDF : 23.2/8

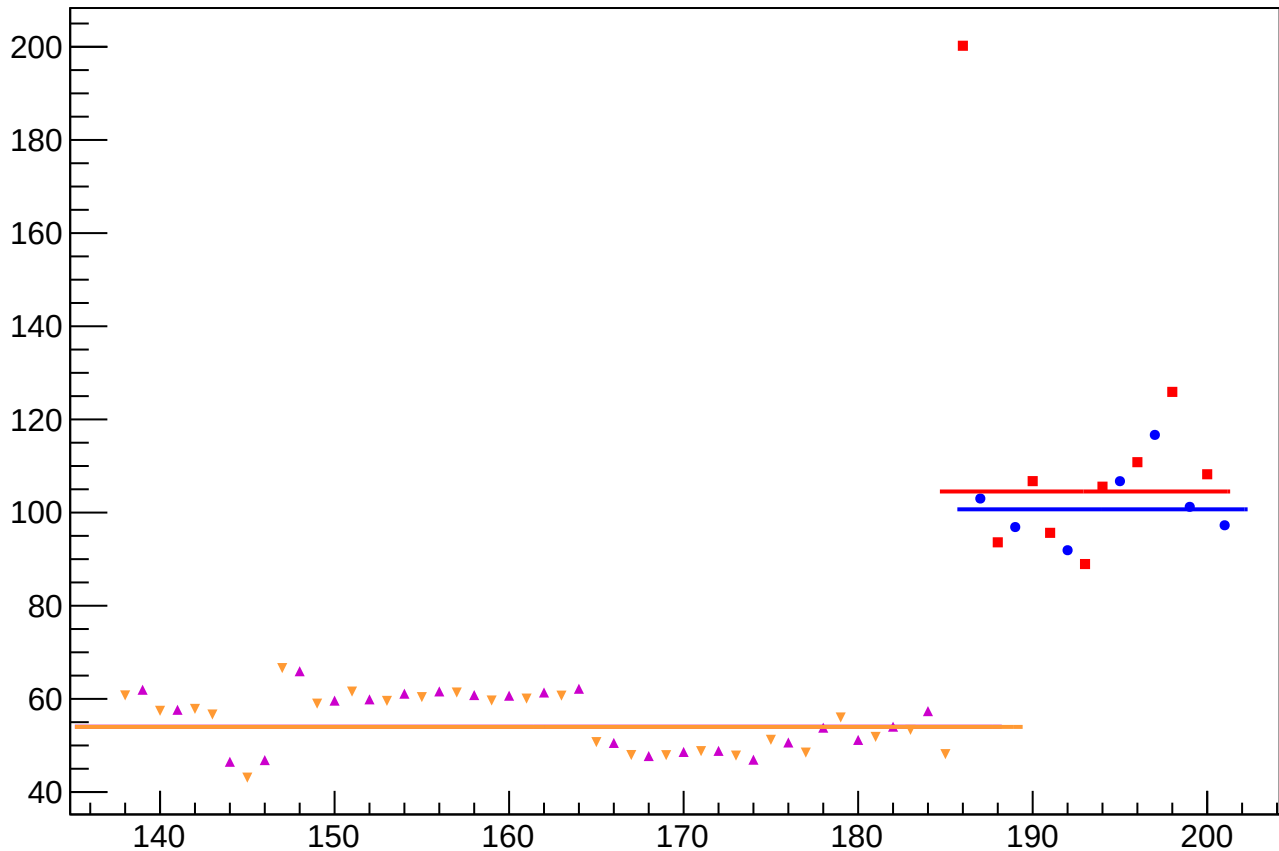
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 6.164 ± 12.218 χ^2/NDF : 47.6/31

All: 9.940 ± 8.735 χ^2/NDF : 99.5/63

- sign 13.887 ± 12.492 χ^2/NDF : 51.7/31

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 100.697 $\pm$ 0.033 χ^2 /NDF: 53137.2/6

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 104.528 $\pm$ 0.031 χ^2 /NDF: 294916.6/8

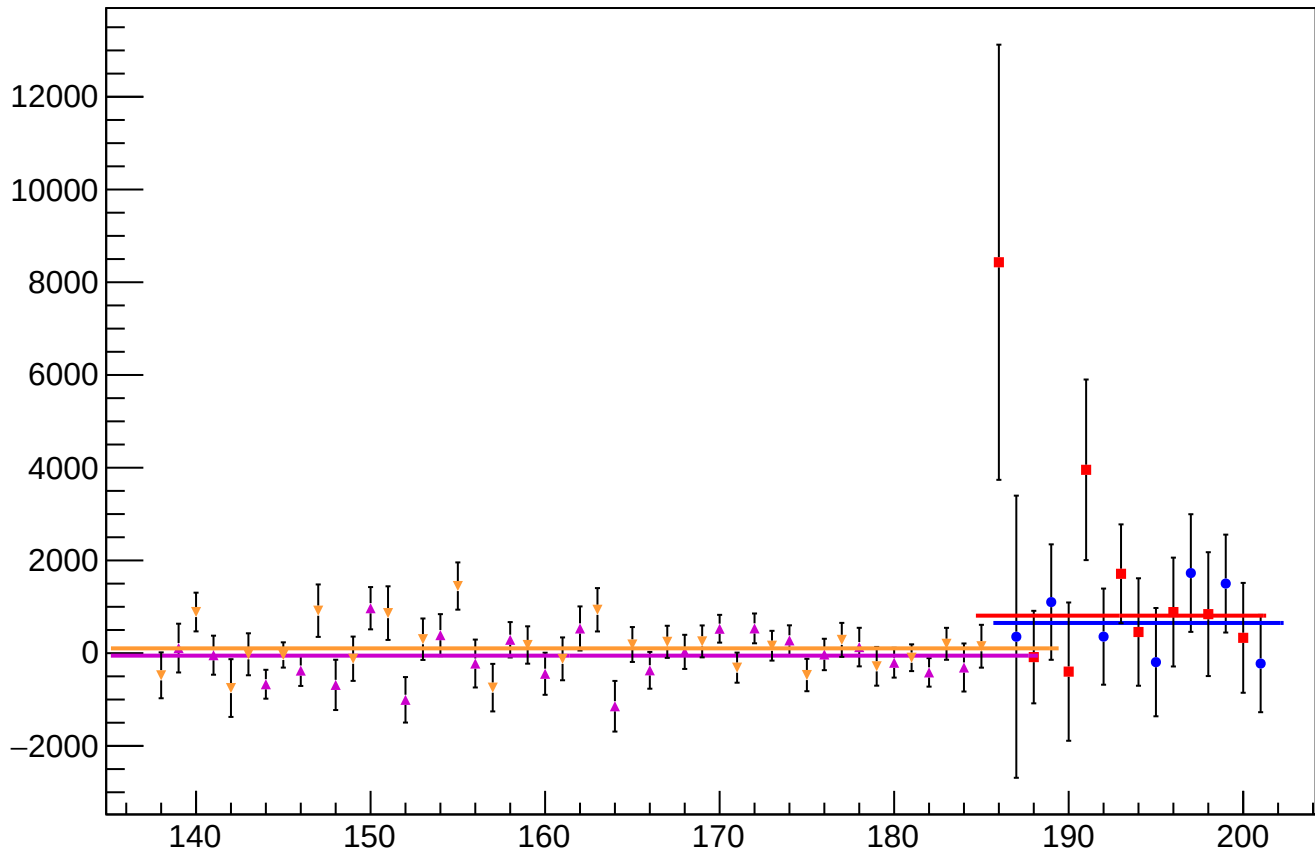
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 57.159 $\pm$ 0.009 χ^2 /NDF: 2364246.2/31

All: 57.620 $\pm$ 0.006 χ^2 /NDF: 5532454.9/63

- sign 58.101 $\pm$ 0.009 χ^2 /NDF: 3162393.9/31

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 651.616+/-454.413 χ^2/NDF : 2.8/6

Left Out: 103.768+/-79.344 χ^2/NDF :31.0/24

Right Out: 809.212+/-430.850 χ^2/NDF : 7.7/8

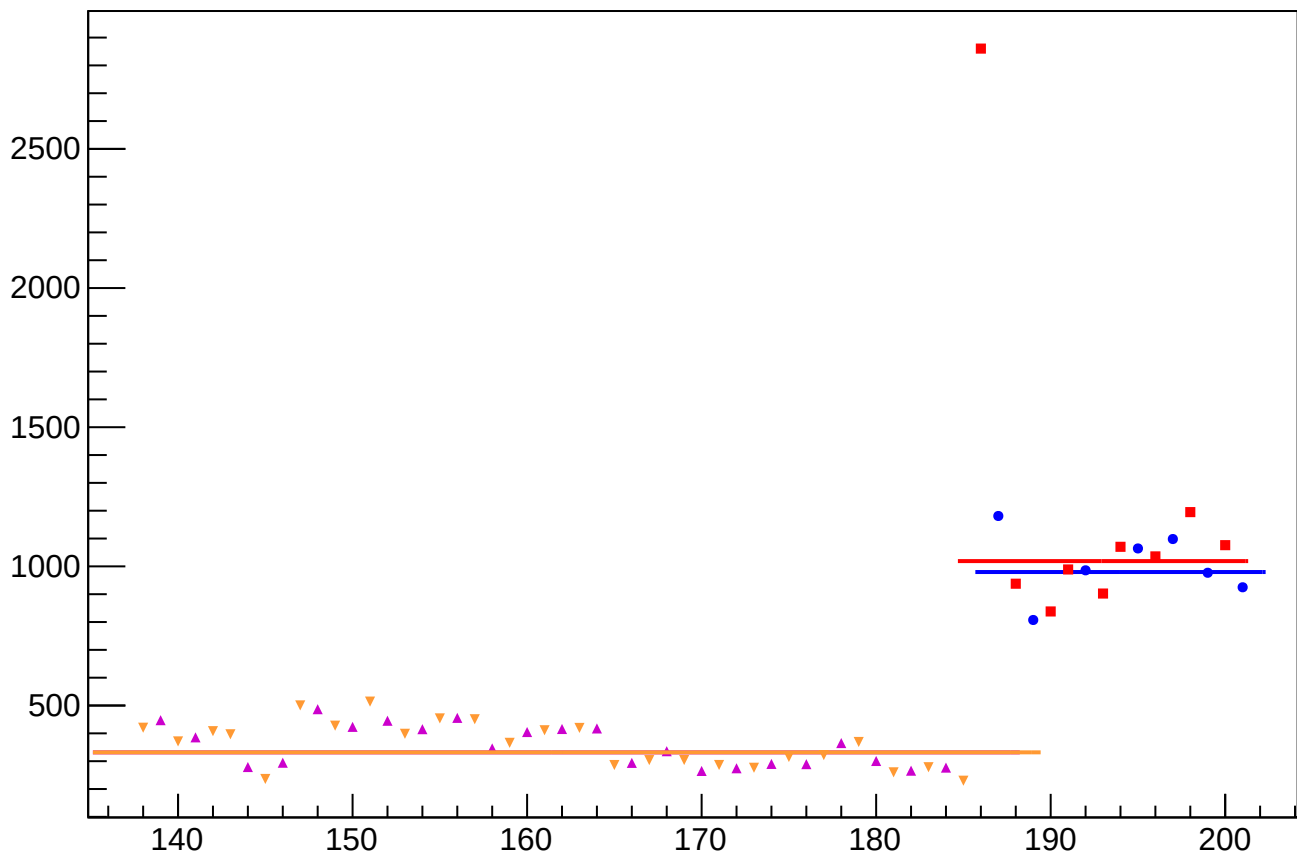
Left In: -53.493+/-81.201 χ^2/NDF :34.1/22

+ sign 119.976+/-78.162 χ^2/NDF : 35.2/31

All: 49.526+/-55.838 χ^2/NDF : 82.5/63

- sign -23.901+/-79.796 χ^2/NDF : 45.7/31

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 979.658 $\pm$ 0.321 χ^2 /NDF: 80589.6/6

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 1018.946 $\pm$ 0.305 χ^2 /NDF: 418815.1/8

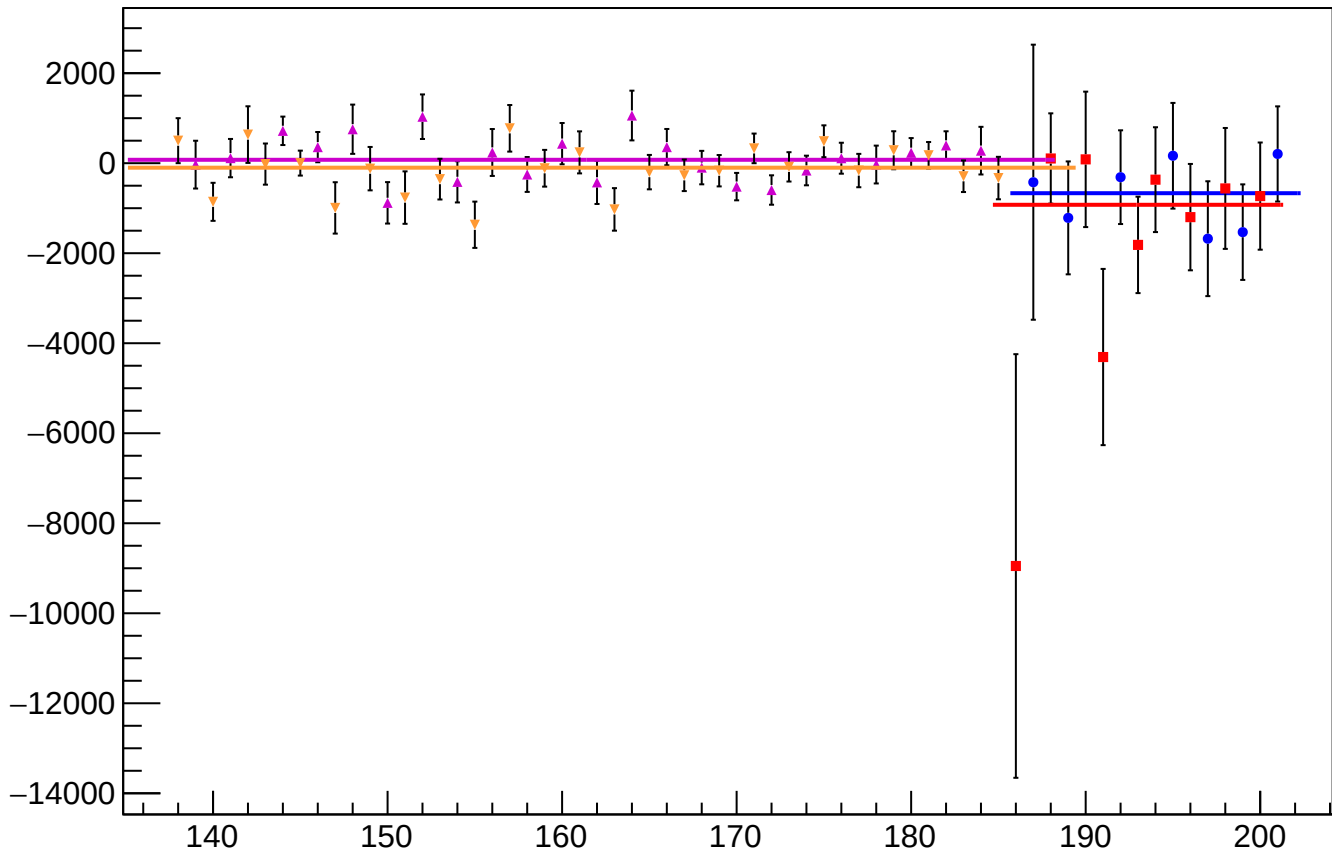
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 350.939 $\pm$ 0.055 χ^2 /NDF: 5737657.9/31

All: 353.045 $\pm$ 0.039 χ^2 /NDF: 12377226.9/63

- sign 355.241 $\pm$ 0.056 χ^2 /NDF: 6636602.7/31

asym_sam_15_26_dd_mean vs Slug



Right In: -666.529+/-457.117 χ^2 /NDF: 2.8/6

Left Out: -99.785+/-80.428 χ^2 /NDF:30.7/24

Right Out: -924.177+/-433.319 χ^2 /NDF: 8.5/8

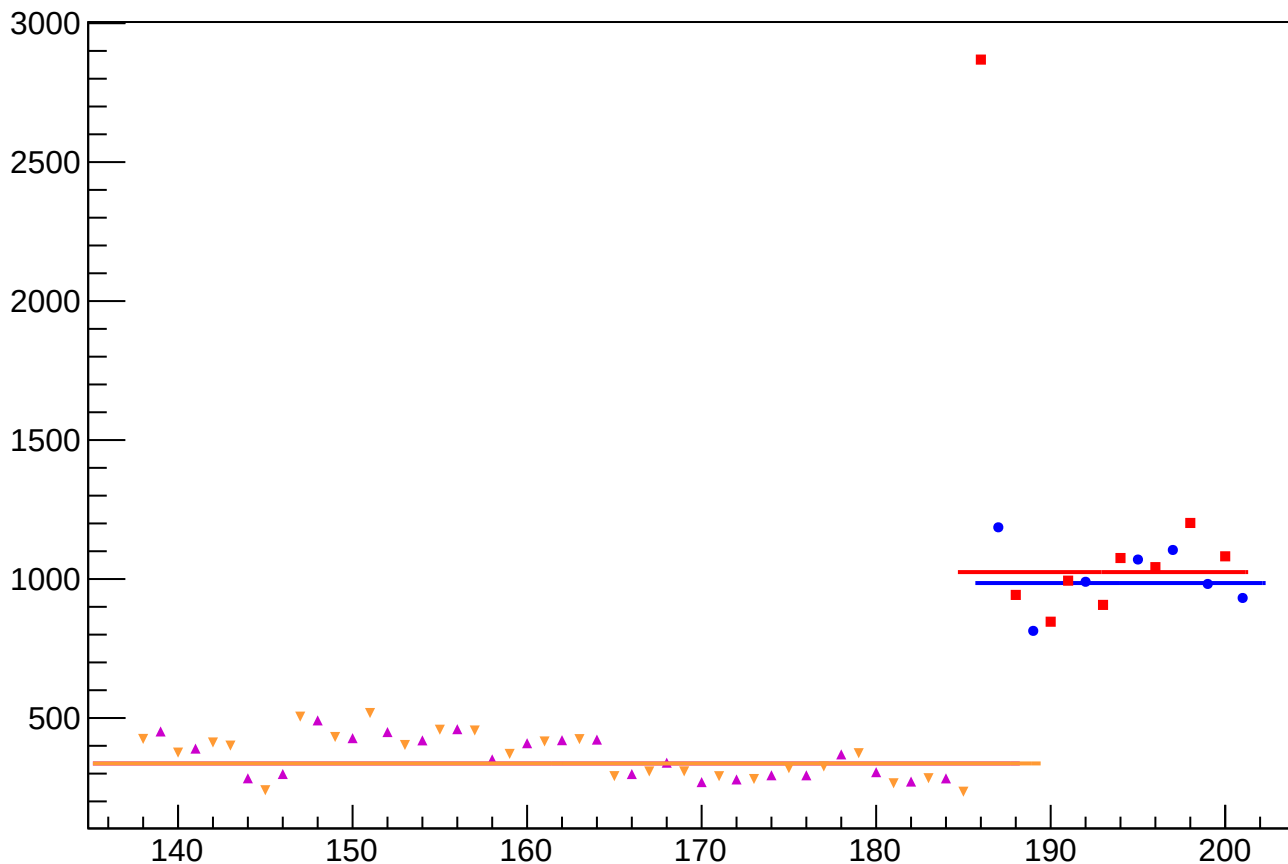
Left In: 75.579+/-82.319 χ^2 /NDF:32.1/22

+ sign -116.803+/-79.211 χ^2 /NDF: 34.9/31

All: -39.658+/-56.589 χ^2 /NDF: 82.6/63

- sign 40.755+/-80.872 χ^2 /NDF: 45.7/31

asym_sam_15_26_dd_rms vs Slug



Right In: 985.556 ± 0.323 χ^2/NDF : 79214.4/6

Left Out: 336.557 ± 0.057 χ^2/NDF : 1665919.4/24

Right Out: 1024.969 ± 0.306 χ^2/NDF : 416710.5/8

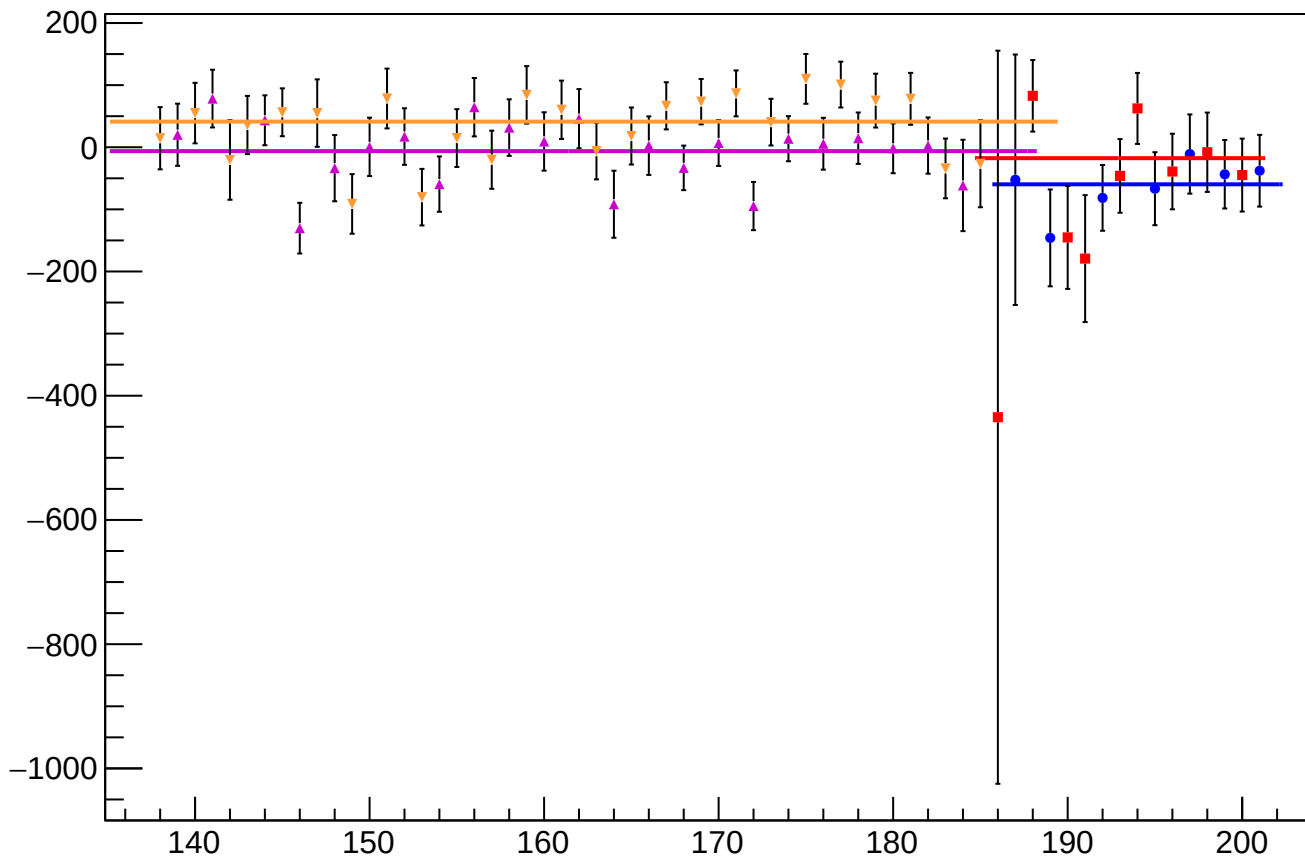
Left In: 336.439 ± 0.058 χ^2/NDF : 1269066.3/22

+ sign 356.045 ± 0.056 χ^2/NDF : 5655541.4/31

All: 358.189 ± 0.040 χ^2/NDF : 12218034.2/63

- sign 360.423 ± 0.057 χ^2/NDF : 6559502.3/31

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -59.668 ± 24.175 χ^2/NDF : 2.2/6

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -17.585 ± 22.697 χ^2/NDF : 11.0/8

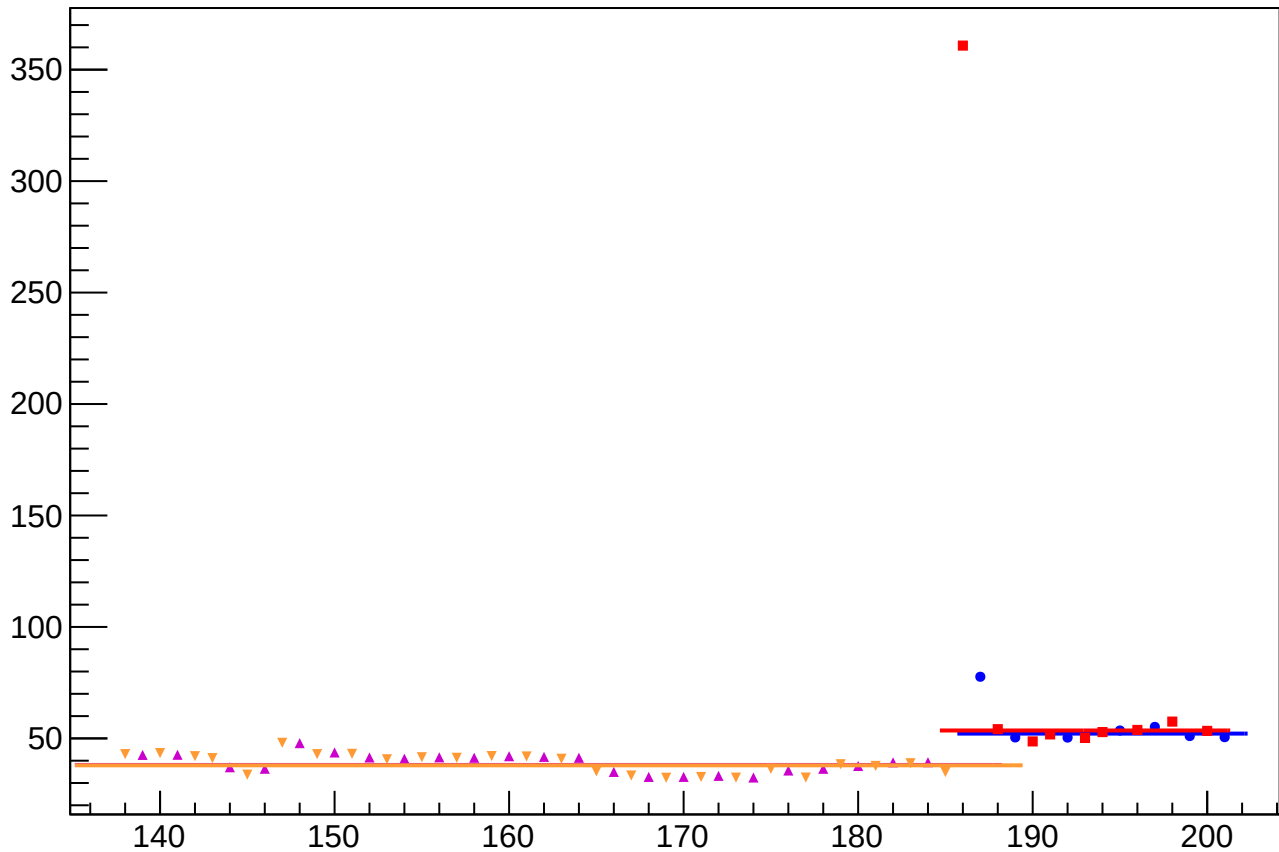
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 29.260 ± 8.343 χ^2/NDF : 52.0/31

All: 11.066 ± 5.956 χ^2/NDF : 103.1/63

- sign -7.845 ± 8.506 χ^2/NDF : 41.5/31

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 52.158 $\pm$ 0.017 χ^2 /NDF: 43169.4/6

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 53.552 $\pm$ 0.016 χ^2 /NDF: 564441.7/8

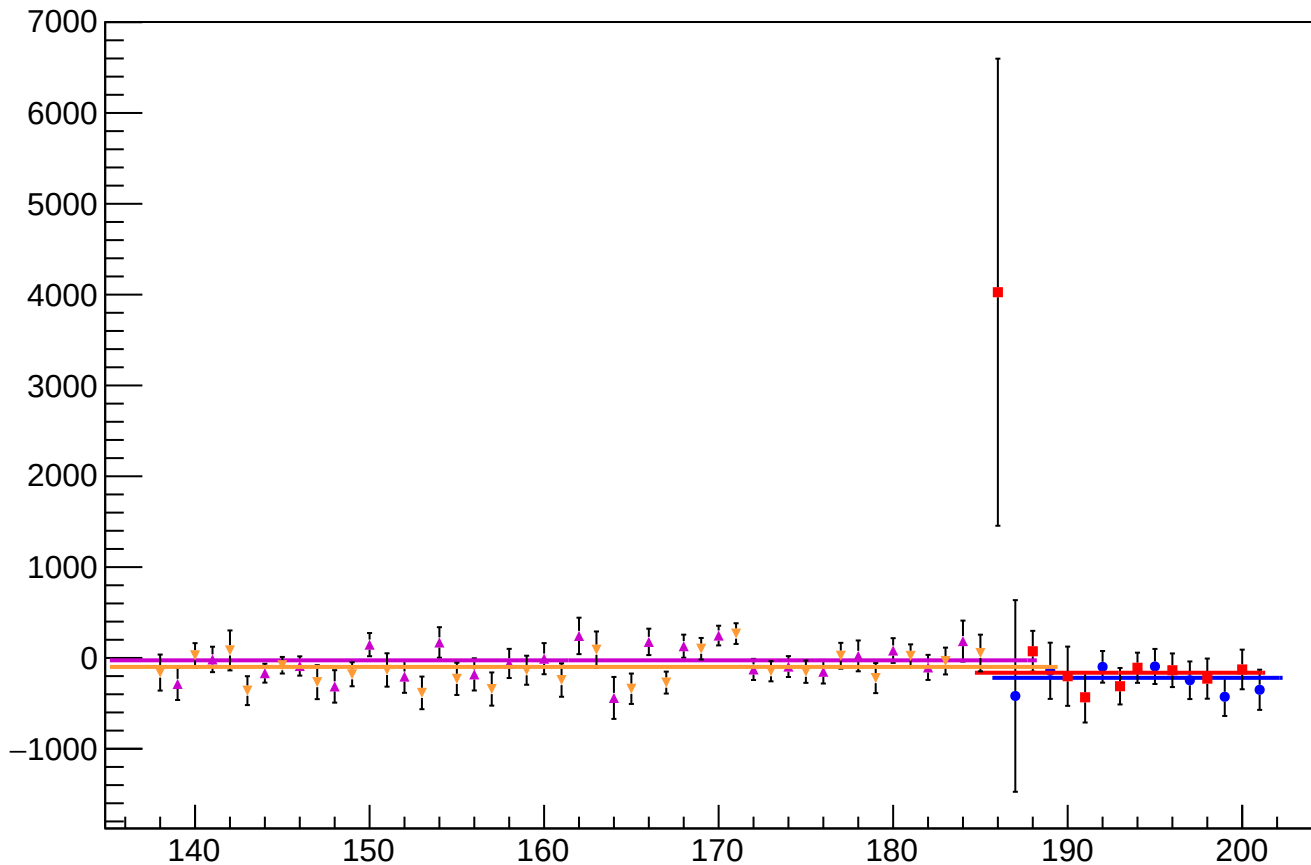
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 39.620 $\pm$ 0.006 χ^2 /NDF: 1140883.0/31

All: 39.934 $\pm$ 0.004 χ^2 /NDF: 2905549.5/63

- sign 40.259 $\pm$ 0.006 χ^2 /NDF: 1758910.6/31

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -218.921 ± 85.361 χ^2/NDF : 2.3/6

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -162.866 ± 75.813 χ^2/NDF : 5.5/8

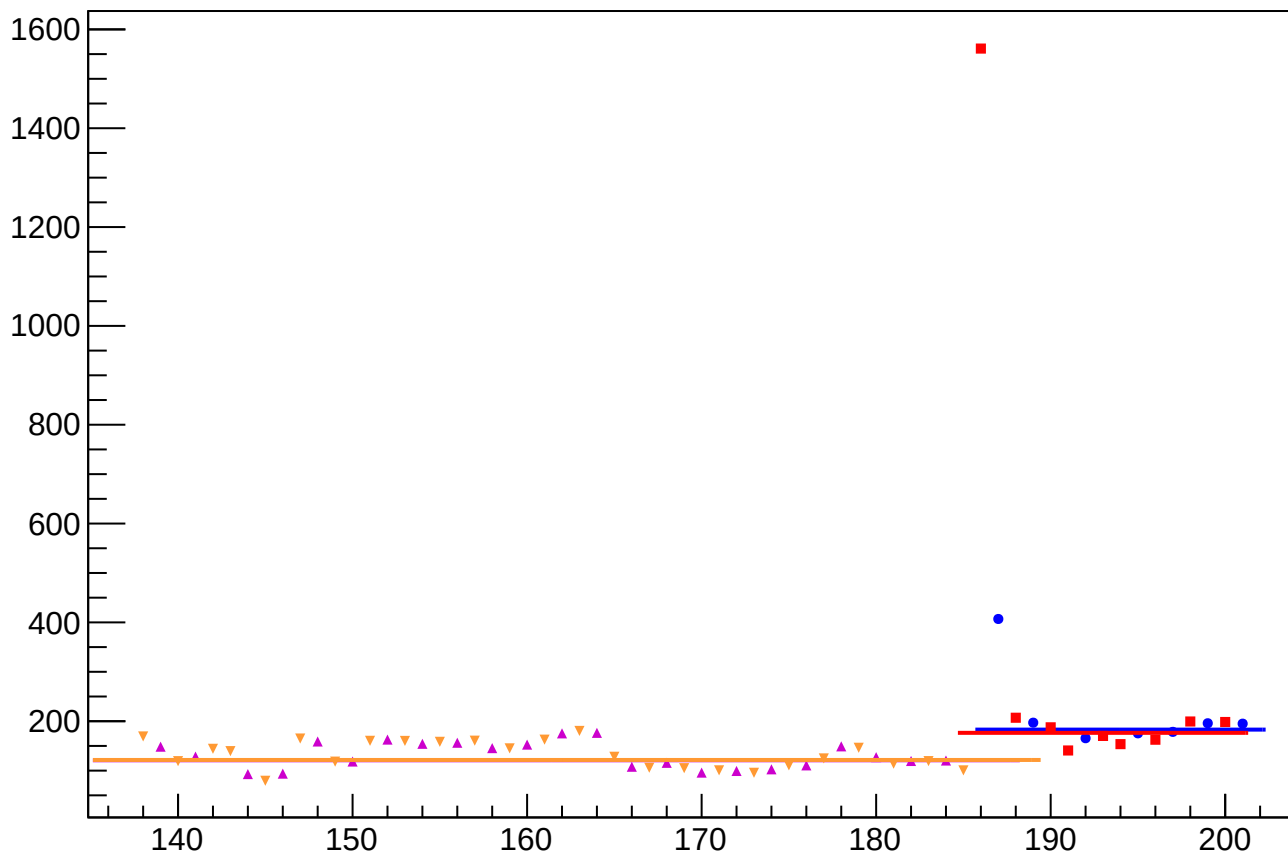
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -111.250 ± 27.539 χ^2/NDF : 36.9/31

All: -77.928 ± 19.507 χ^2/NDF : 78.8/63

- sign -44.377 ± 27.634 χ^2/NDF : 39.0/31

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 183.015+/-0.060 χ^2/NDF : 131485.3/6

Left Out: 121.592+/-0.021 χ^2/NDF : 1711423.9/24

Right Out: 176.482+/-0.054 χ^2/NDF : 745363.2/8

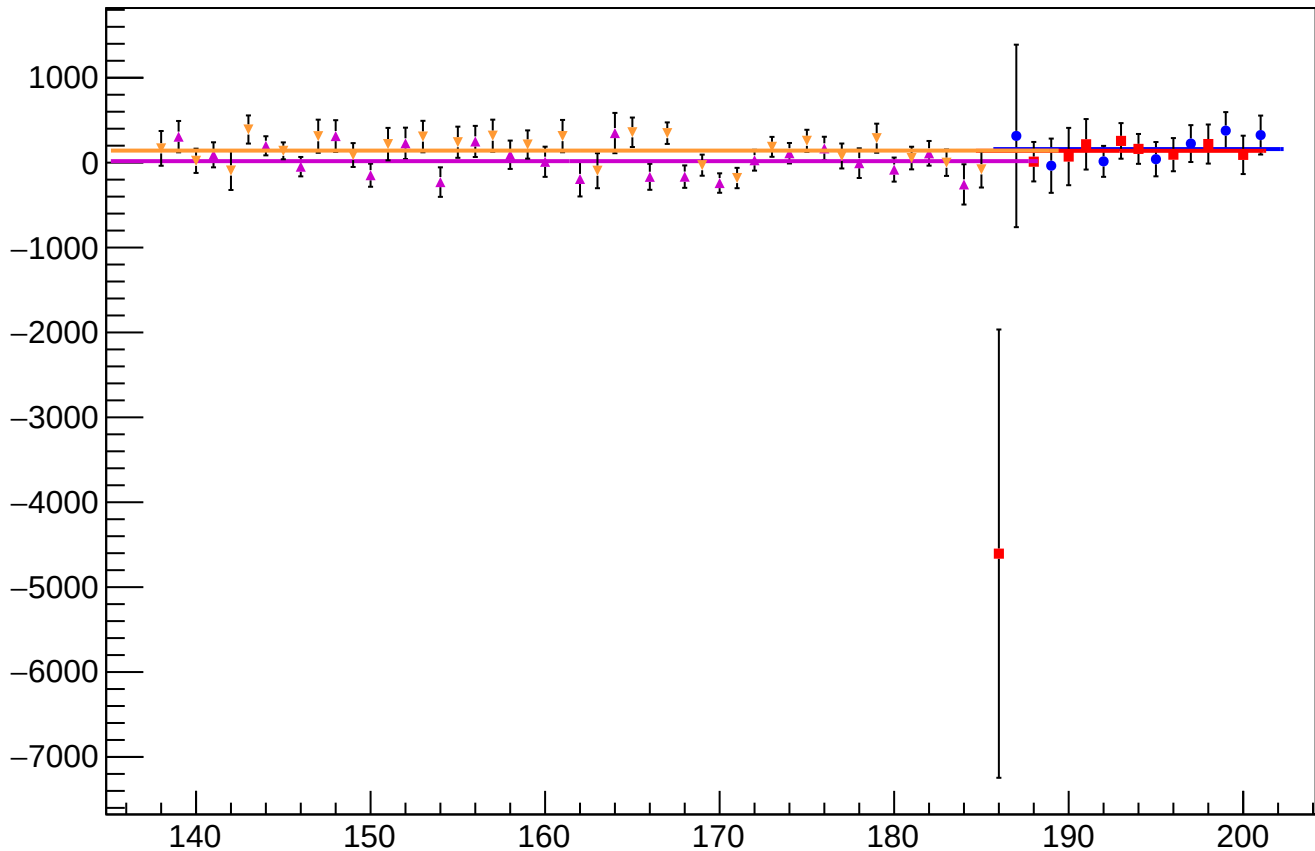
Left In: 120.927+/-0.021 χ^2/NDF : 1382861.4/22

+ sign 127.985+/-0.019 χ^2/NDF : 2770686.0/31

All: 128.146+/-0.014 χ^2/NDF : 5830330.0/63

- sign 128.308+/-0.020 χ^2/NDF : 3059507.1/31

asym_sam_37_26_dd_mean vs Slug



Right In: 159.881 $\pm$ 88.947 χ^2 /NDF: 3.0/6

Left Out: 142.014 $\pm$ 30.574 χ^2 /NDF: 26.9/24

Right Out: 139.316 $\pm$ 79.446 χ^2 /NDF: 4.2/8

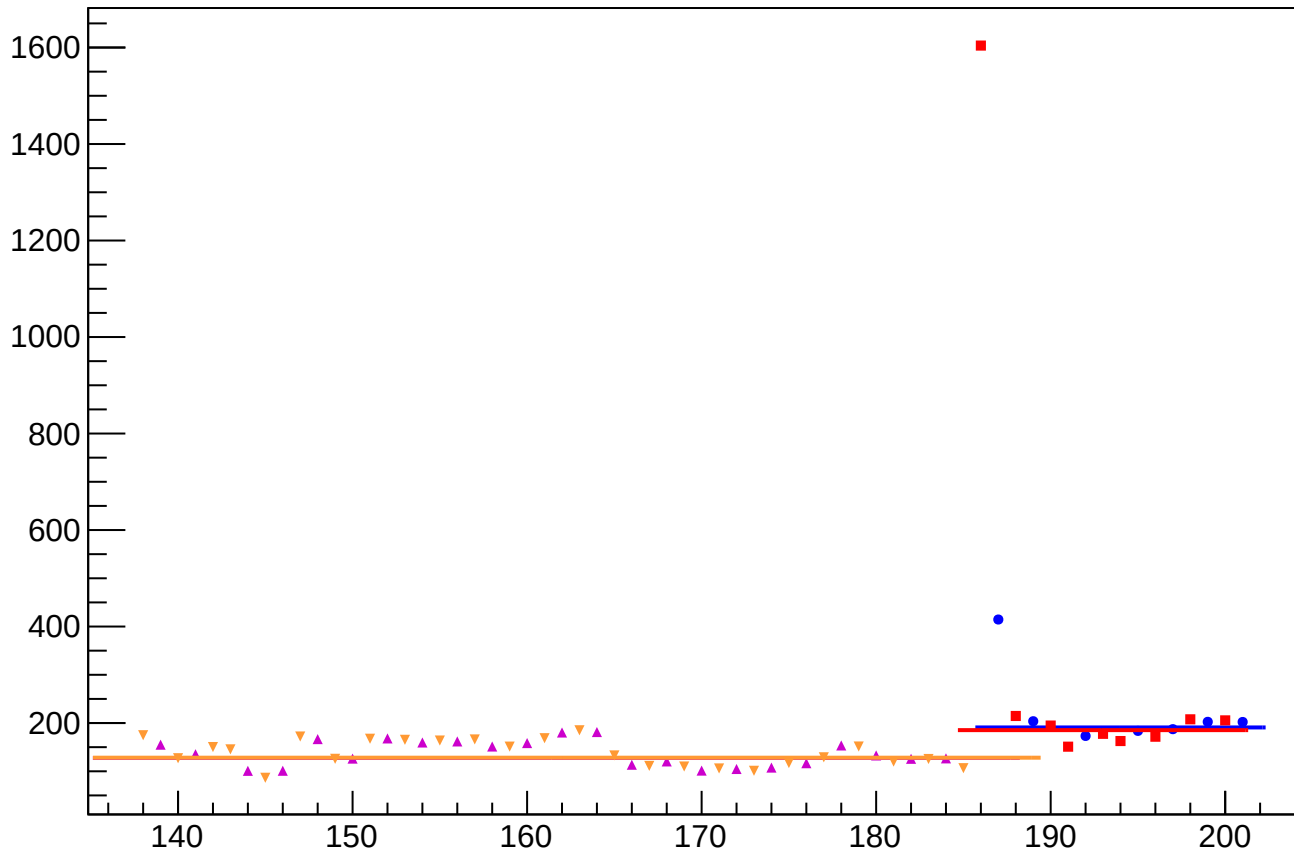
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 143.902 $\pm$ 28.914 χ^2 /NDF: 29.9/31

All: 89.175 $\pm$ 20.492 χ^2 /NDF: 73.4/63

- sign 33.940 $\pm$ 29.048 χ^2 /NDF: 36.4/31

asym_sam_37_26_dd_rms vs Slug



Right In: 190.865+/-0.063 χ^2/NDF : 122085.3/6

Left Out: 128.175+/-0.022 χ^2/NDF : 1532922.0/24

Right Out: 185.309+/-0.056 χ^2/NDF : 717992.5/8

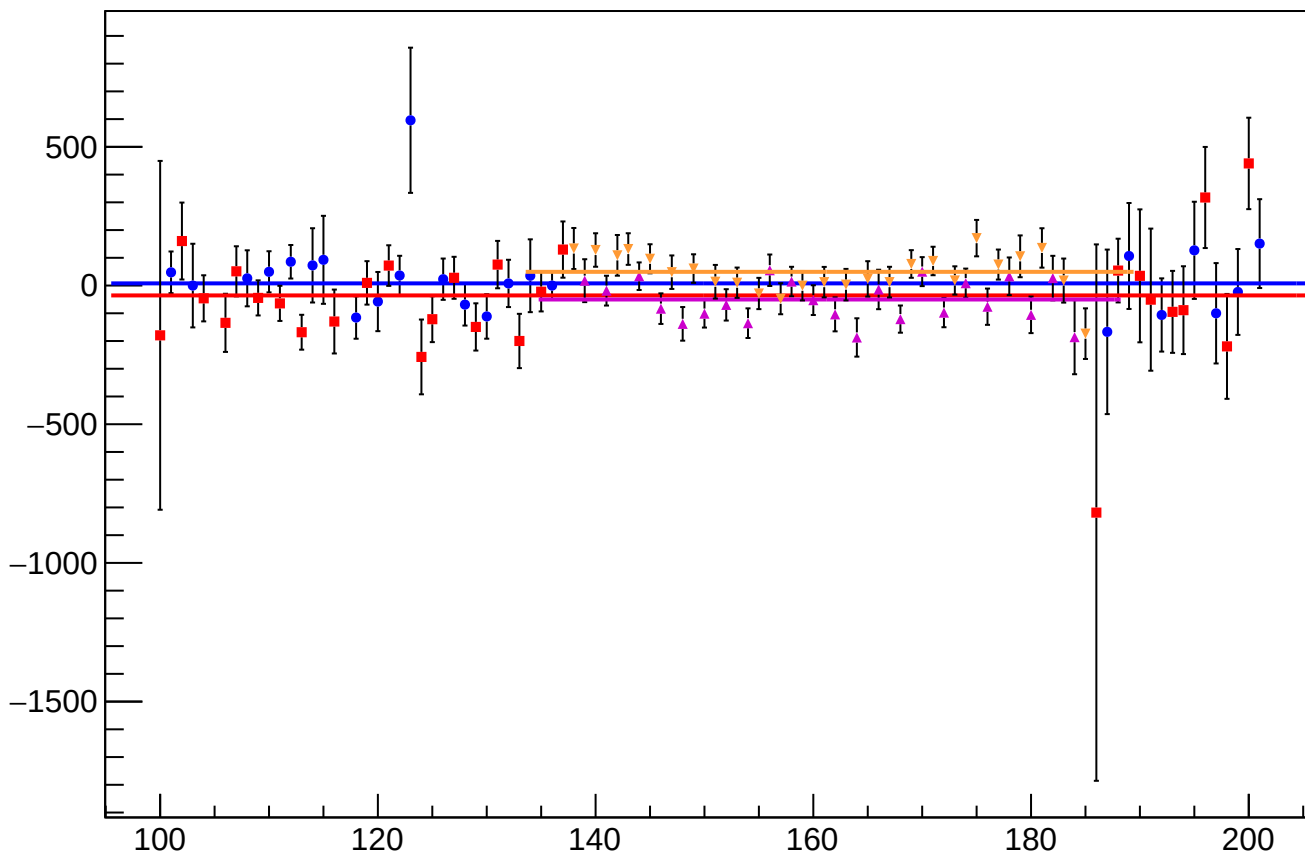
Left In: 127.544+/-0.022 χ^2/NDF : 1235705.3/22

+ sign 134.800+/-0.020 χ^2/NDF : 2543518.5/31

All: 135.032+/-0.014 χ^2/NDF : 5413473.5/63

- sign 135.266+/-0.021 χ^2/NDF : 2869695.9/31

reg_asym_sam_1357_avg_mean vs Slug



Right In: 7.799 ± 19.265 χ^2/NDF : 17.4/23

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -35.631 ± 18.471 χ^2/NDF : 39.9/27

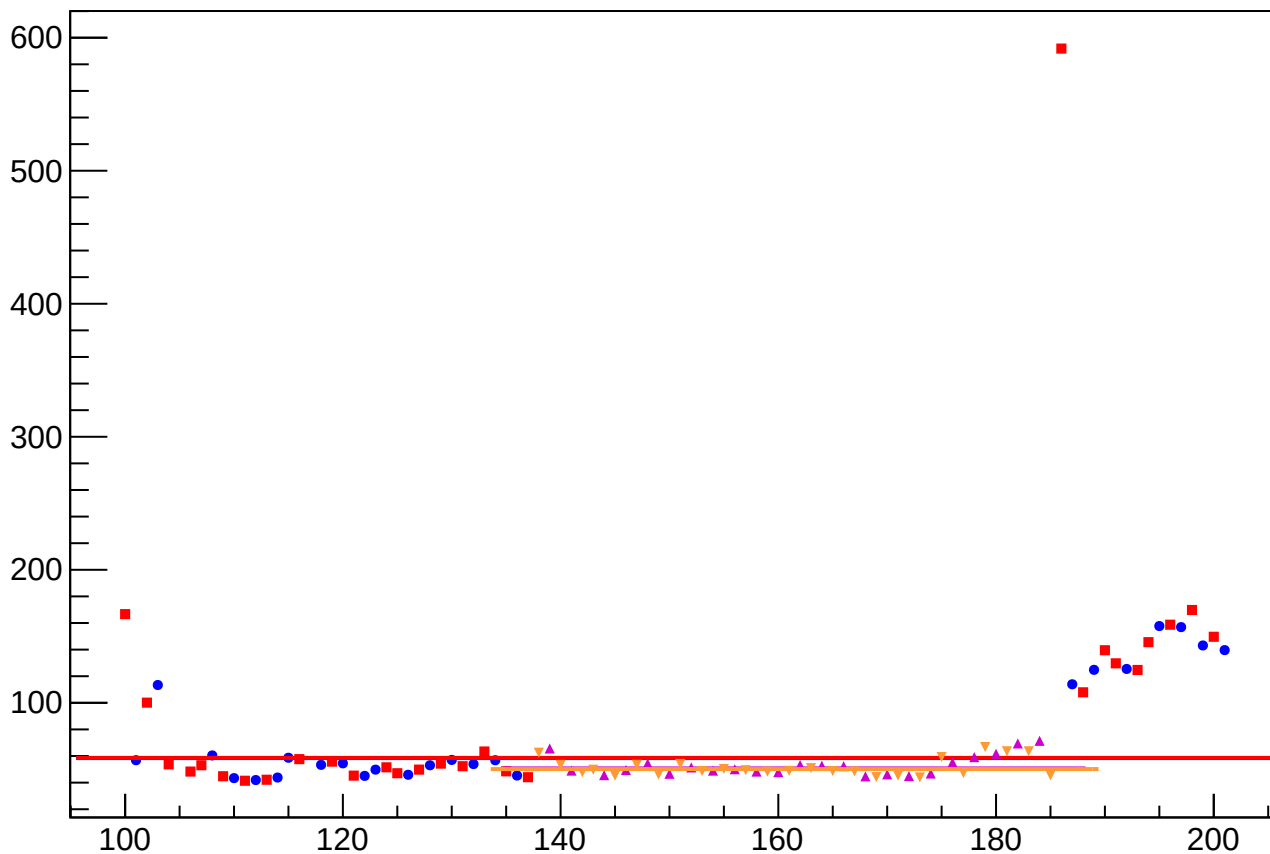
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 38.045 ± 10.066 χ^2/NDF : 48.8/48

All: -3.298 ± 7.168 χ^2/NDF : 155.5/99

- sign -45.839 ± 10.211 χ^2/NDF : 72.5/50

reg_asym_sam_1357_avg_rms vs Slug



Right In: 58.473+/-0.014 χ^2/NDF : 3993248.9/23

Left Out: 50.189+/-0.008 χ^2/NDF : 467679.2/24

Right Out: 58.599+/-0.013 χ^2/NDF : 5161273.5/27

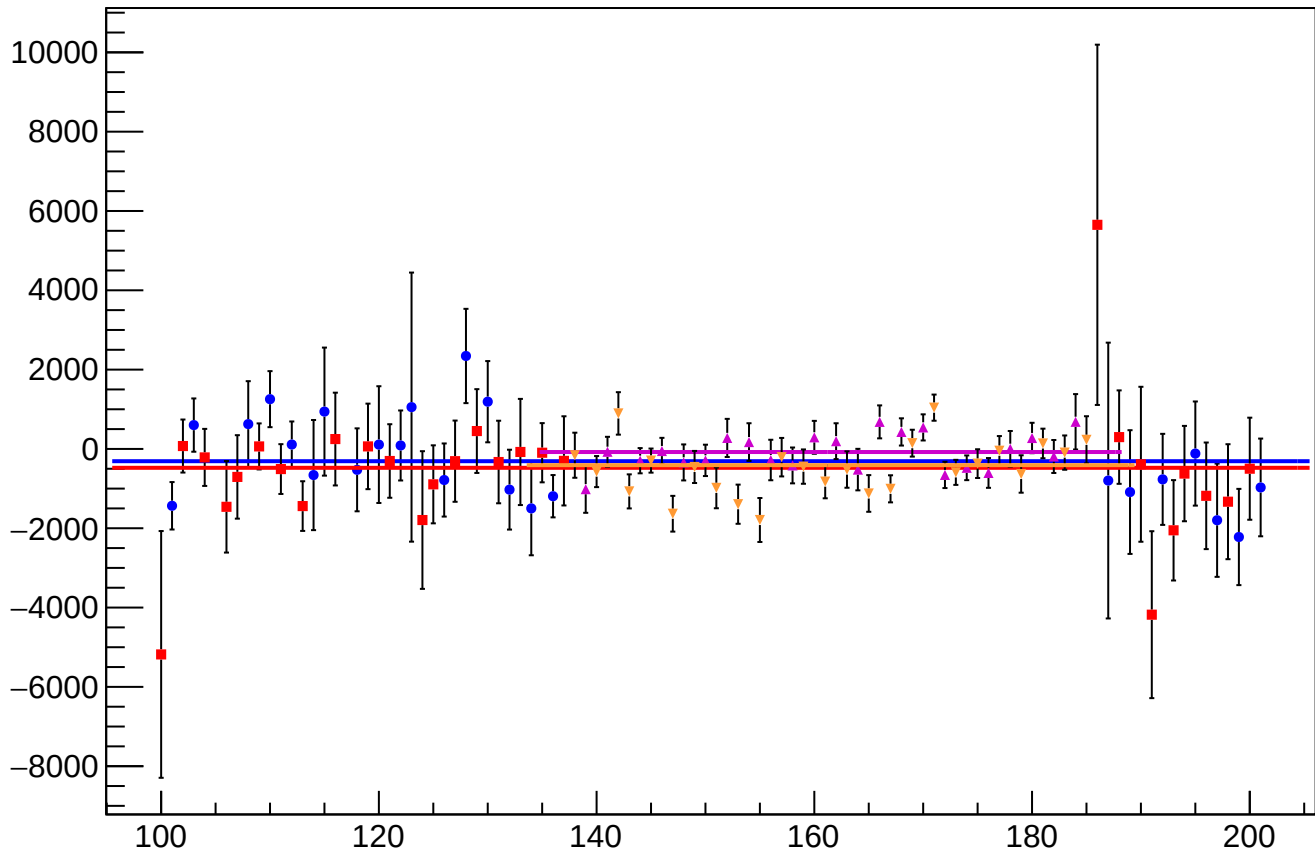
Left In: 50.683+/-0.009 χ^2/NDF : 469292.3/22

+ sign 52.451+/-0.007 χ^2/NDF : 4729735.7/48

All: 52.772+/-0.005 χ^2/NDF : 10619534.8/99

- sign 53.102+/-0.007 χ^2/NDF : 5885669.6/50

asym_sam_1357_avg_correction_mean vs Slug



Right In: -309.192 ± 195.393 $\chi^2/\text{NDF}: 28.7/23$

Left Out: -409.164 ± 82.348 $\chi^2/\text{NDF}: 61.7/24$

Right Out: -475.842 ± 188.225 $\chi^2/\text{NDF}: 17.3/27$

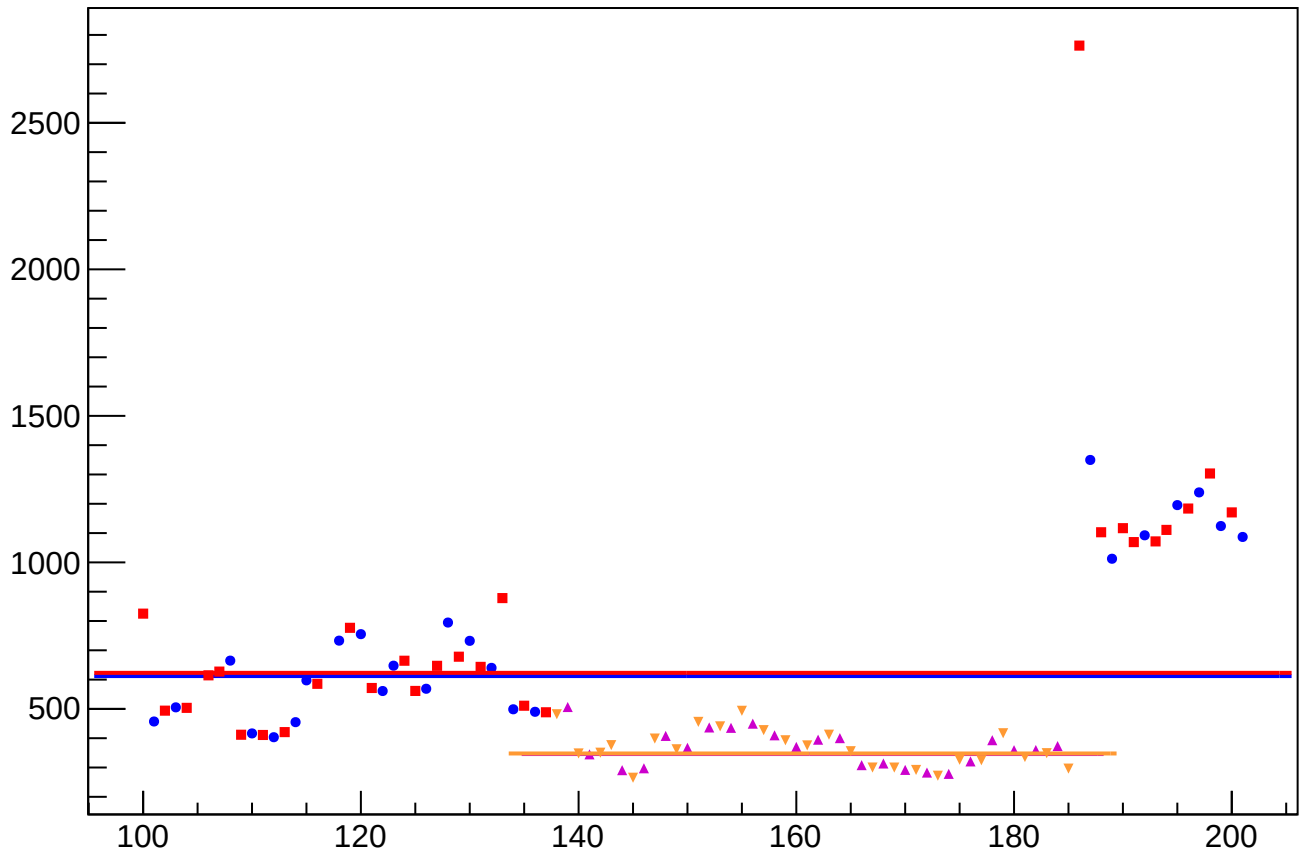
Left In: -77.872 ± 84.072 $\chi^2/\text{NDF}: 24.8/22$

+ sign -394.085 ± 75.884 $\chi^2/\text{NDF}: 90.6/48$

All: -270.513 ± 53.966 $\chi^2/\text{NDF}: 141.8/99$

- sign -144.063 ± 76.763 $\chi^2/\text{NDF}: 45.8/50$

asym_sam_1357_avg_correction_rms vs Slug



Right In: 612.044 $\pm$ 0.138 χ^2/NDF : 2888176.7/23

Left Out: 347.875 $\pm$ 0.058 χ^2/NDF : 1044096.7/24

Right Out: 623.057 $\pm$ 0.133 χ^2/NDF : 3776212.6/27

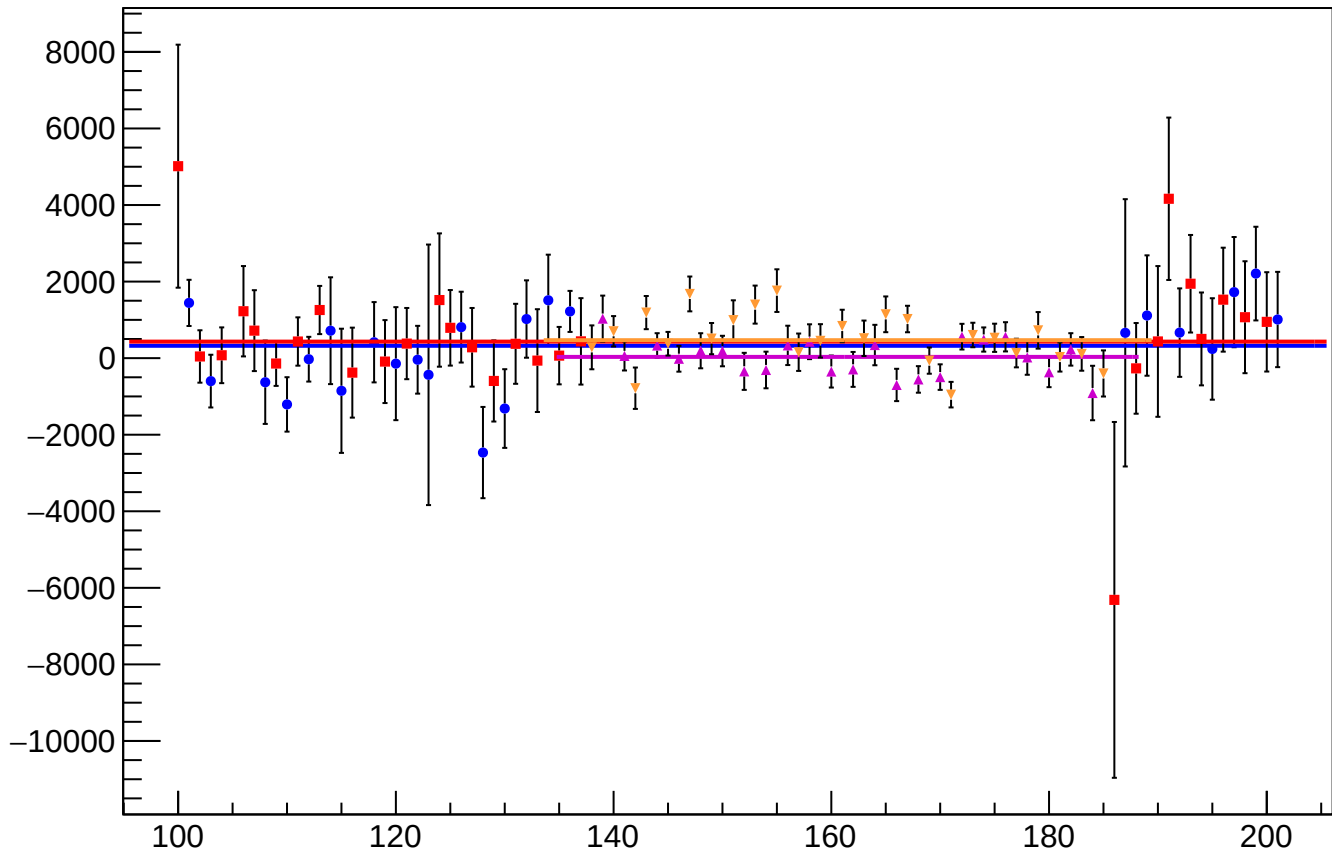
Left In: 345.954 $\pm$ 0.059 χ^2/NDF : 900847.0/22

+ sign 387.720 $\pm$ 0.054 χ^2/NDF : 7036619.5/48

All: 389.856 $\pm$ 0.038 χ^2/NDF : 15330635.9/99

- sign 392.043 $\pm$ 0.054 χ^2/NDF : 8290808.5/50

asym_sam_1357_avg_mean vs Slug



Right In: 323.140 ± 196.805 χ^2/NDF : 28.5/23

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 431.987 ± 189.691 χ^2/NDF : 16.4/27

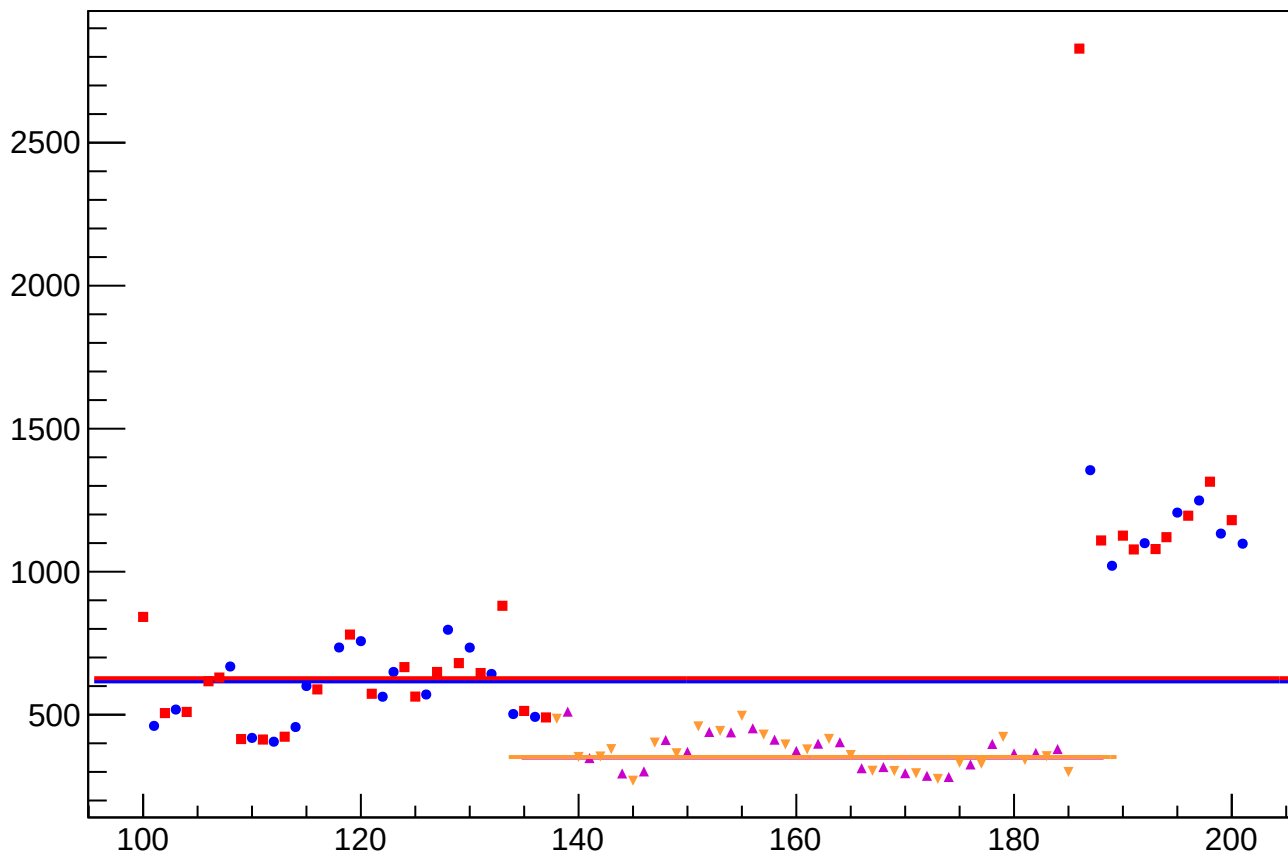
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 446.725 ± 76.708 χ^2/NDF : 86.5/48

All: 275.224 ± 54.559 χ^2/NDF : 142.3/99

- sign 99.634 ± 77.617 χ^2/NDF : 45.7/50

asym_sam_1357_avg_rms vs Slug



Right In: 616.528+/-0.139 χ^2/NDF : 2885268.3/23

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 627.616+/-0.134 χ^2/NDF : 3777831.2/27

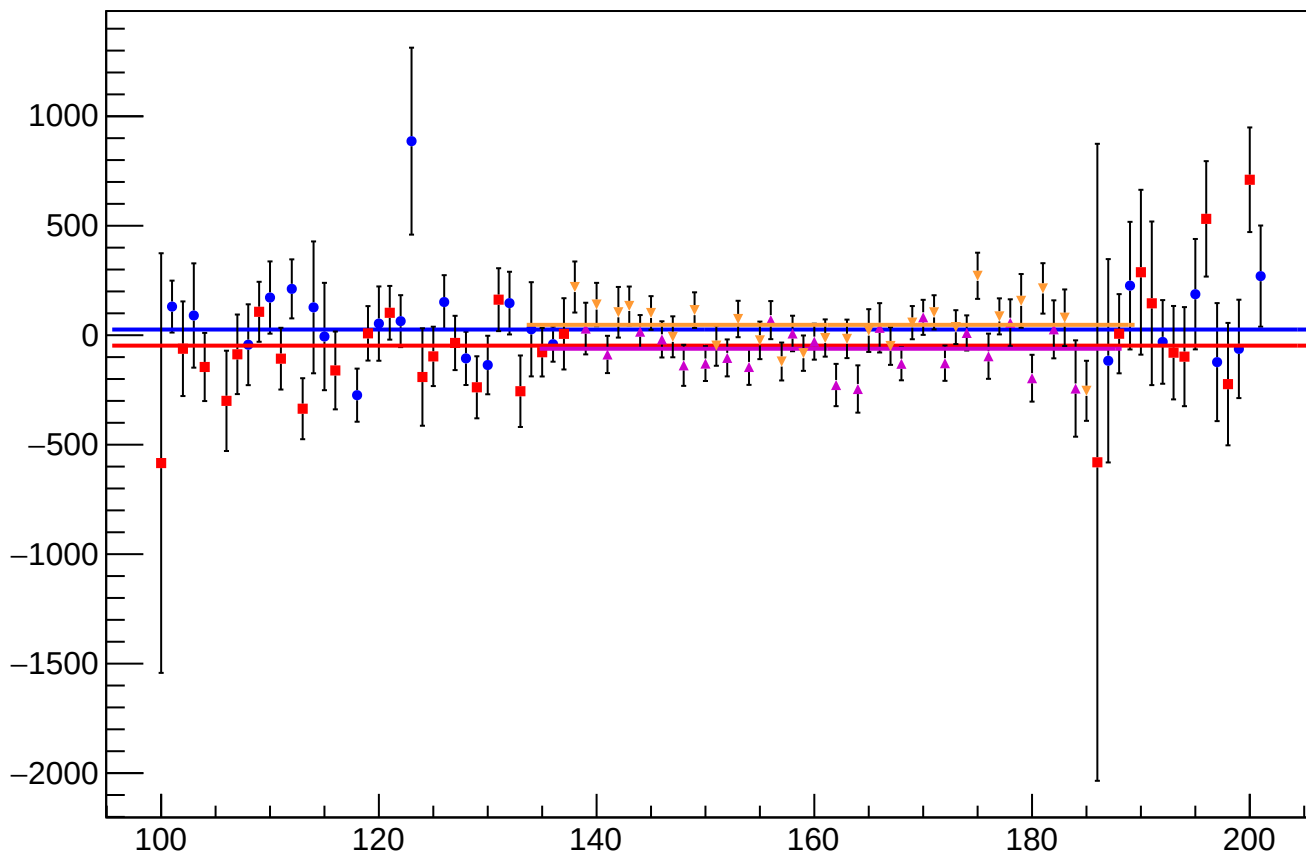
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 392.199+/-0.054 χ^2/NDF : 6966473.7/48

All: 394.380+/-0.039 χ^2/NDF : 15188392.6/99

- sign 396.613+/-0.055 χ^2/NDF : 8218646.6/50

reg_asym_sam_2468_avg_mean vs Slug



Right In: 25.978 $\pm$ 32.524 χ^2 /NDF: 21.8/23

Left Out: 47.426 $\pm$ 18.253 χ^2 /NDF: 29.4/24

Right Out: -47.567 $\pm$ 32.322 χ^2 /NDF: 32.7/27

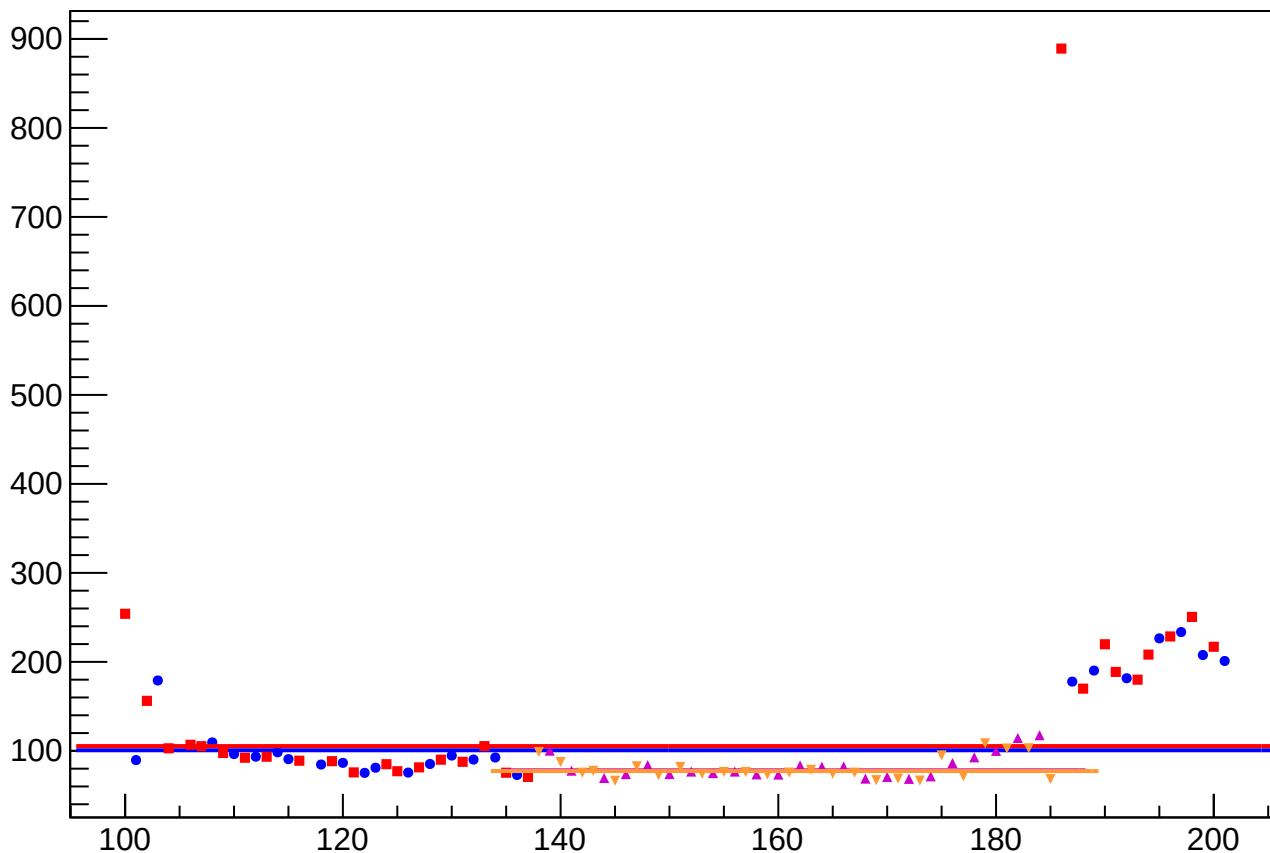
Left In: -61.830 $\pm$ 18.958 χ^2 /NDF: 24.0/22

+ sign 42.289 $\pm$ 15.917 χ^2 /NDF: 51.6/48

All: -6.591 $\pm$ 11.406 χ^2 /NDF: 127.8/99

- sign -58.179 $\pm$ 16.353 χ^2 /NDF: 56.9/50

reg_asym_sam_2468_avg_rms vs Slug



Right In: 100.670+/-0.023 χ^2/NDF : 3185147.8/23

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 105.390+/-0.023 χ^2/NDF : 4025836.5/27

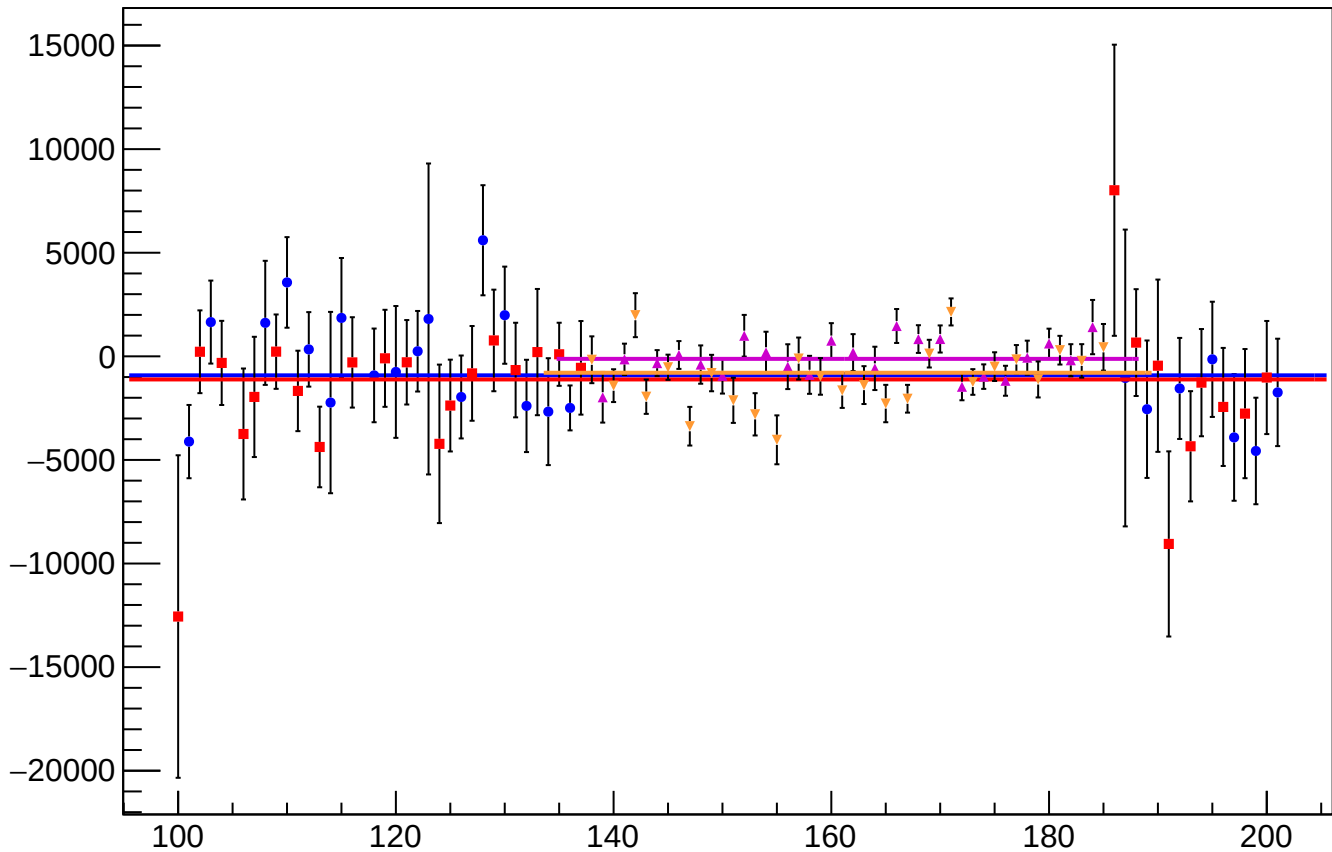
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 82.910+/-0.011 χ^2/NDF : 4604964.1/48

All: 83.982+/-0.008 χ^2/NDF : 10289386.2/99

- sign 85.114+/-0.012 χ^2/NDF : 5665764.8/50

asym_sam_2468_avg_correction_mean vs Slug



Right In: -917.336 ± 469.386 χ^2/NDF : 26.1/23

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1115.773 ± 461.819 χ^2/NDF : 17.3/27

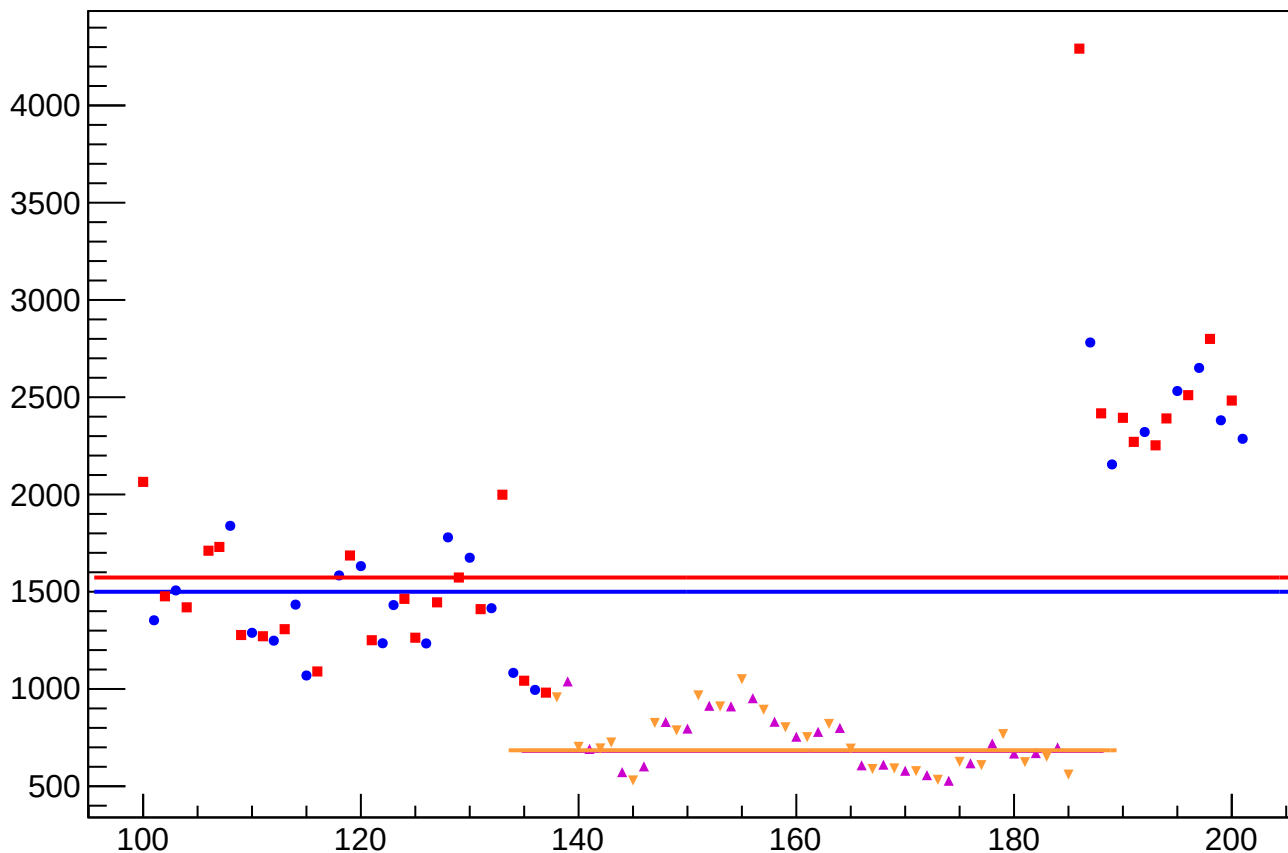
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -806.130 ± 153.692 χ^2/NDF : 92.8/48

All: -526.057 ± 109.613 χ^2/NDF : 146.9/99

- sign -236.117 ± 156.376 χ^2/NDF : 47.4/50

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1499.781 ± 0.332 $\chi^2/\text{NDF}: 2089228.2/23$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

Right Out: 1573.044 ± 0.327 $\chi^2/\text{NDF}: 2522377.7/27$

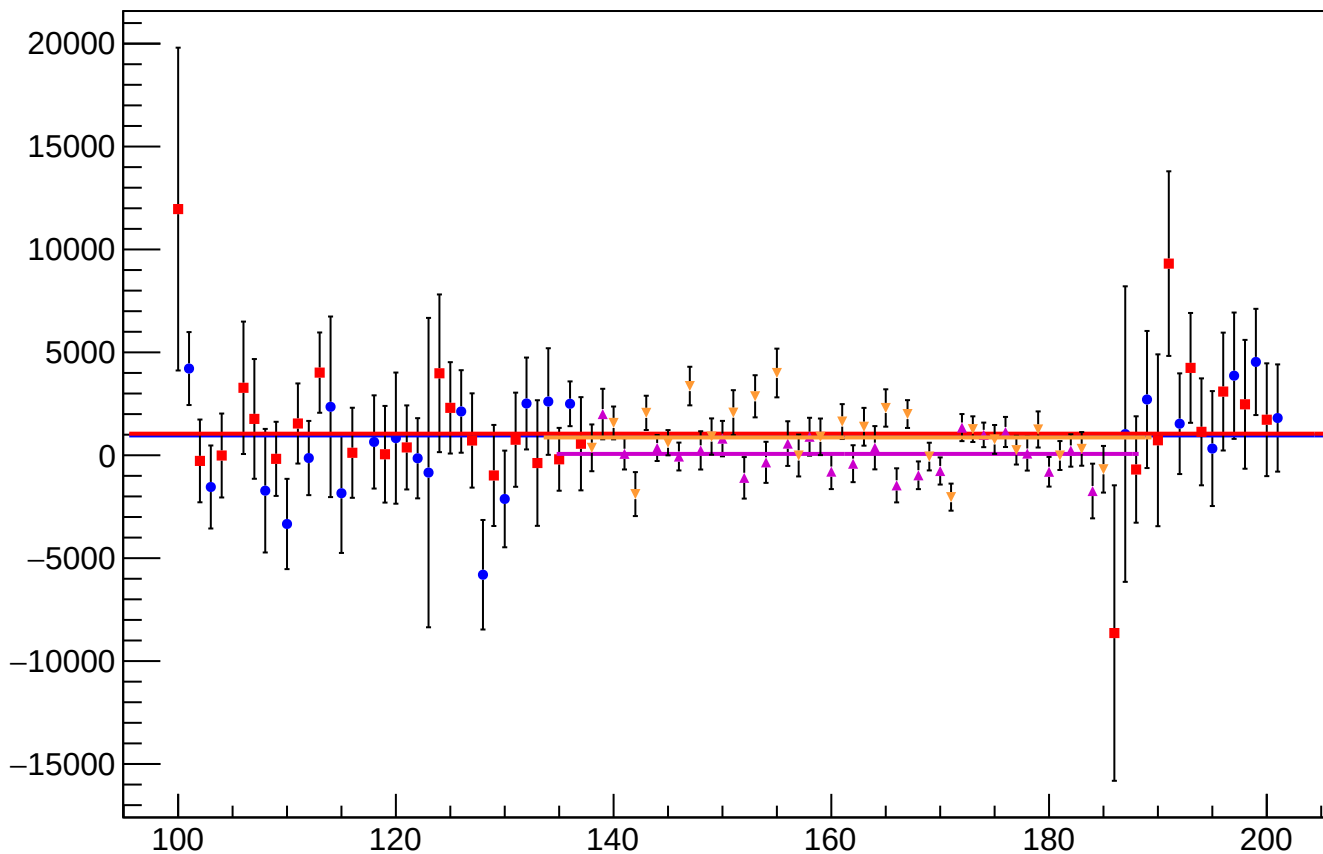
Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

+ sign 772.162 ± 0.109 $\chi^2/\text{NDF}: 8752429.8/48$

All: 777.934 ± 0.078 $\chi^2/\text{NDF}: 18996129.7/99$

- sign 783.908 ± 0.111 $\chi^2/\text{NDF}: 10237960.0/50$

asym_sam_2468_avg_mean vs Slug



Right In: 963.888 ± 470.824 χ^2/NDF : 26.1/23

Left Out: 865.597 ± 163.885 χ^2/NDF : 62.8/24

Right Out: 1049.009 ± 463.434 χ^2/NDF : 16.9/27

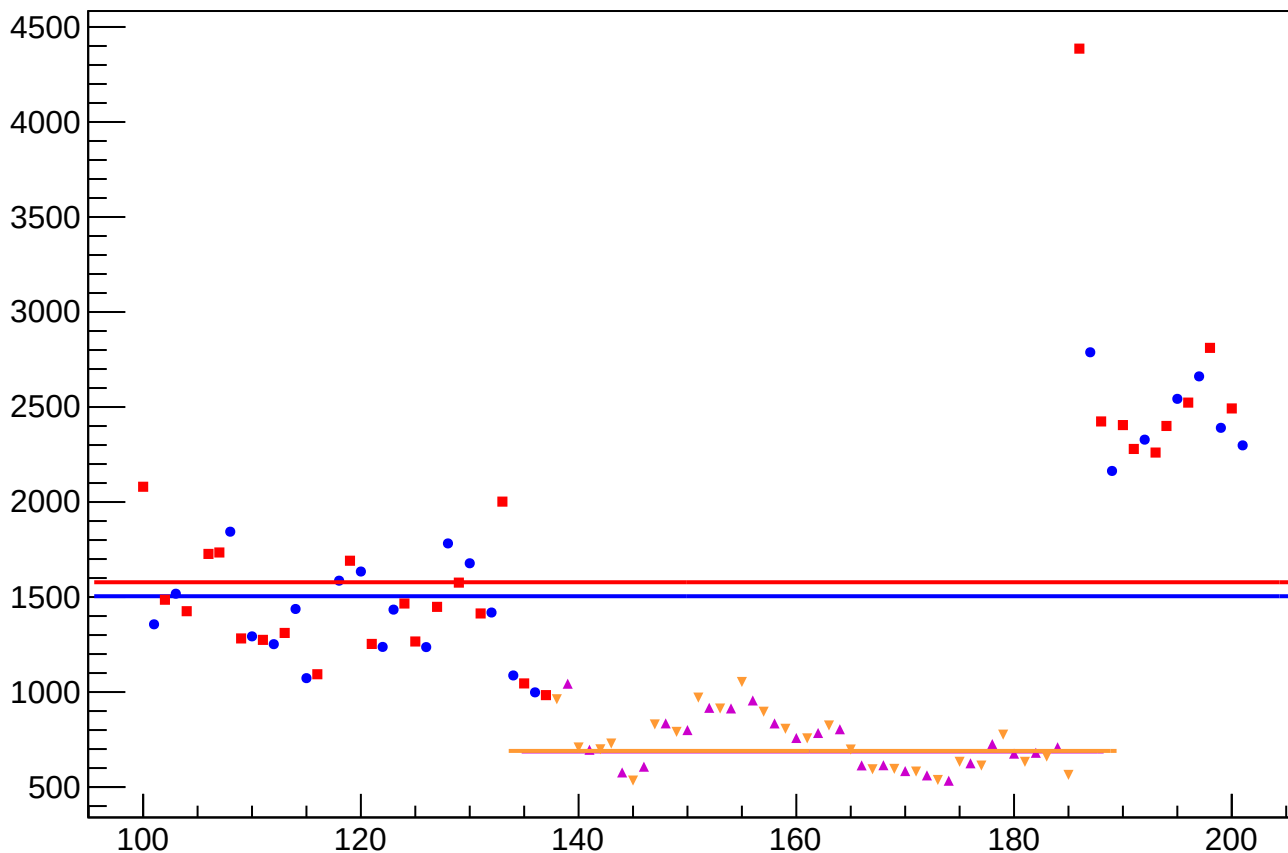
Left In: 65.924 ± 167.485 χ^2/NDF : 26.4/22

+ sign 876.219 ± 154.777 χ^2/NDF : 89.0/48

All: 533.961 ± 110.399 χ^2/NDF : 146.3/99

- sign 179.491 ± 157.514 χ^2/NDF : 47.3/50

asym_sam_2468_avg_rms vs Slug



Right In: 1504.237 $\pm$ 0.333 χ^2 /NDF: 2093339.2/23

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF: 1258158.2/24

Right Out: 1577.811 $\pm$ 0.328 χ^2 /NDF: 2534580.3/27

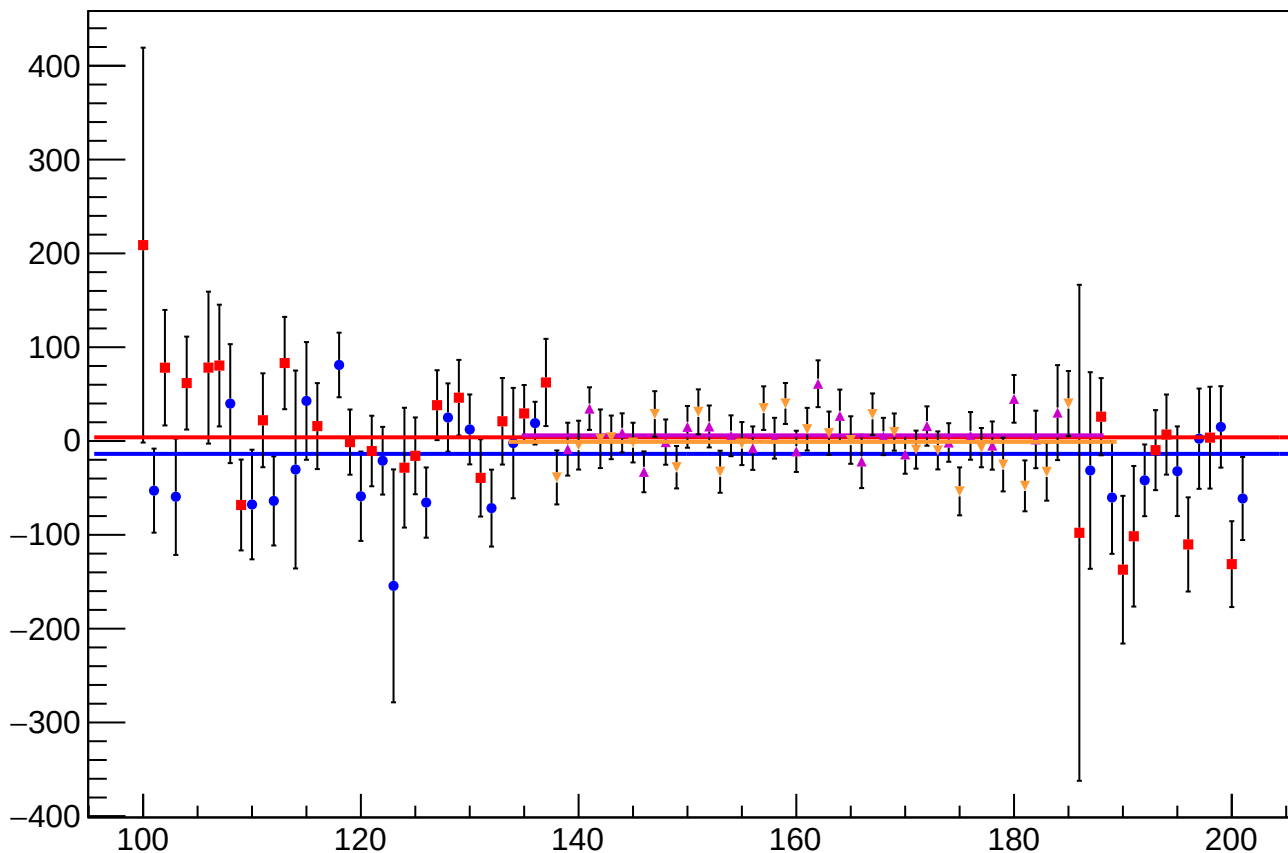
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF: 1099706.1/22

+ sign 778.141 $\pm$ 0.109 χ^2 /NDF: 8684464.1/48

All: 784.015 $\pm$ 0.078 χ^2 /NDF: 18857451.6/99

- sign 790.099 $\pm$ 0.111 χ^2 /NDF: 10167123.2/50

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -13.699 ± 9.096 χ^2/NDF : 25.3/23

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 3.955 ± 8.987 χ^2/NDF : 36.8/27

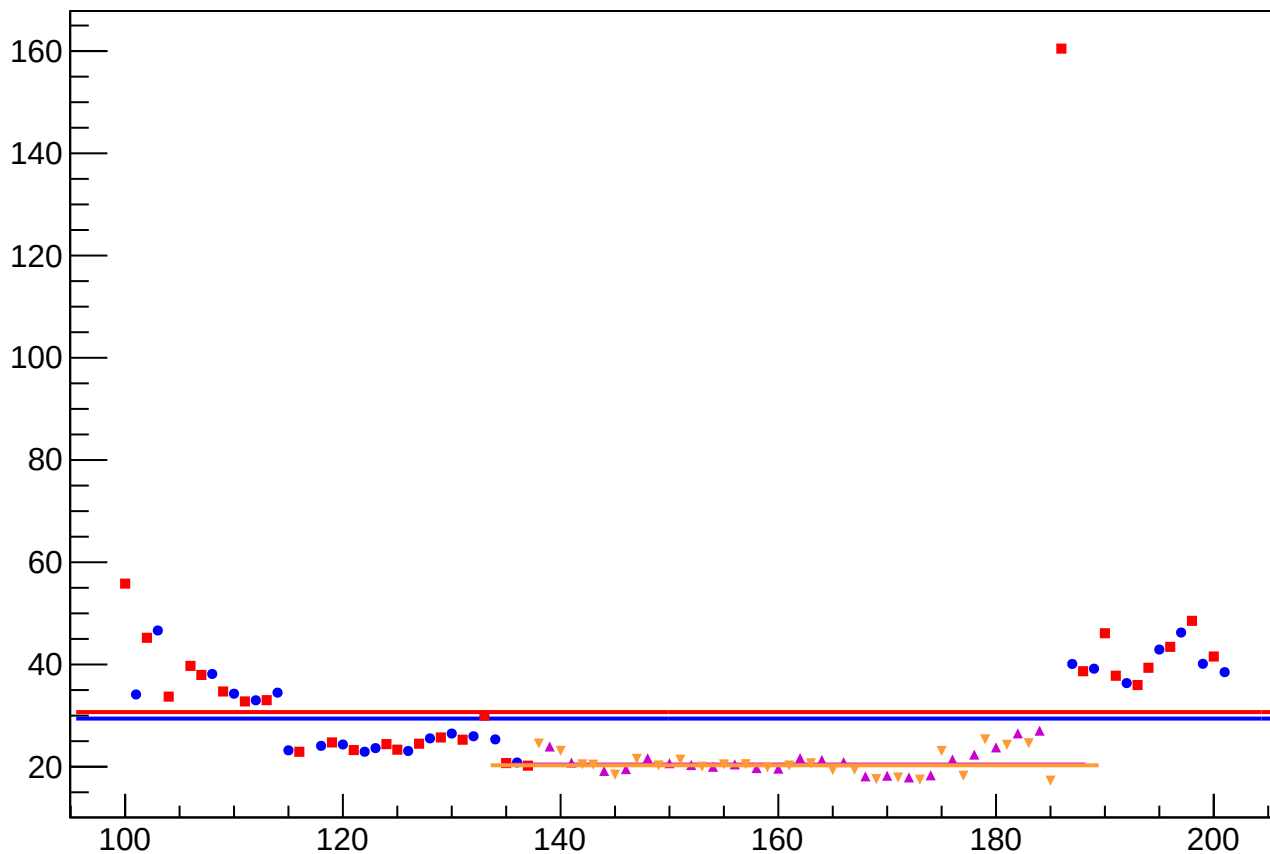
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.621 ± 4.218 χ^2/NDF : 54.7/48

All: 0.860 ± 3.018 χ^2/NDF : 110.8/99

- sign 5.560 ± 4.319 χ^2/NDF : 53.7/50

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.419 $\pm$ 0.006 χ^2 /NDF: 1508166.2/23

Left Out: 20.279 $\pm$ 0.003 χ^2 /NDF: 407056.4/24

Right Out: 30.695 $\pm$ 0.006 χ^2 /NDF: 2159583.6/27

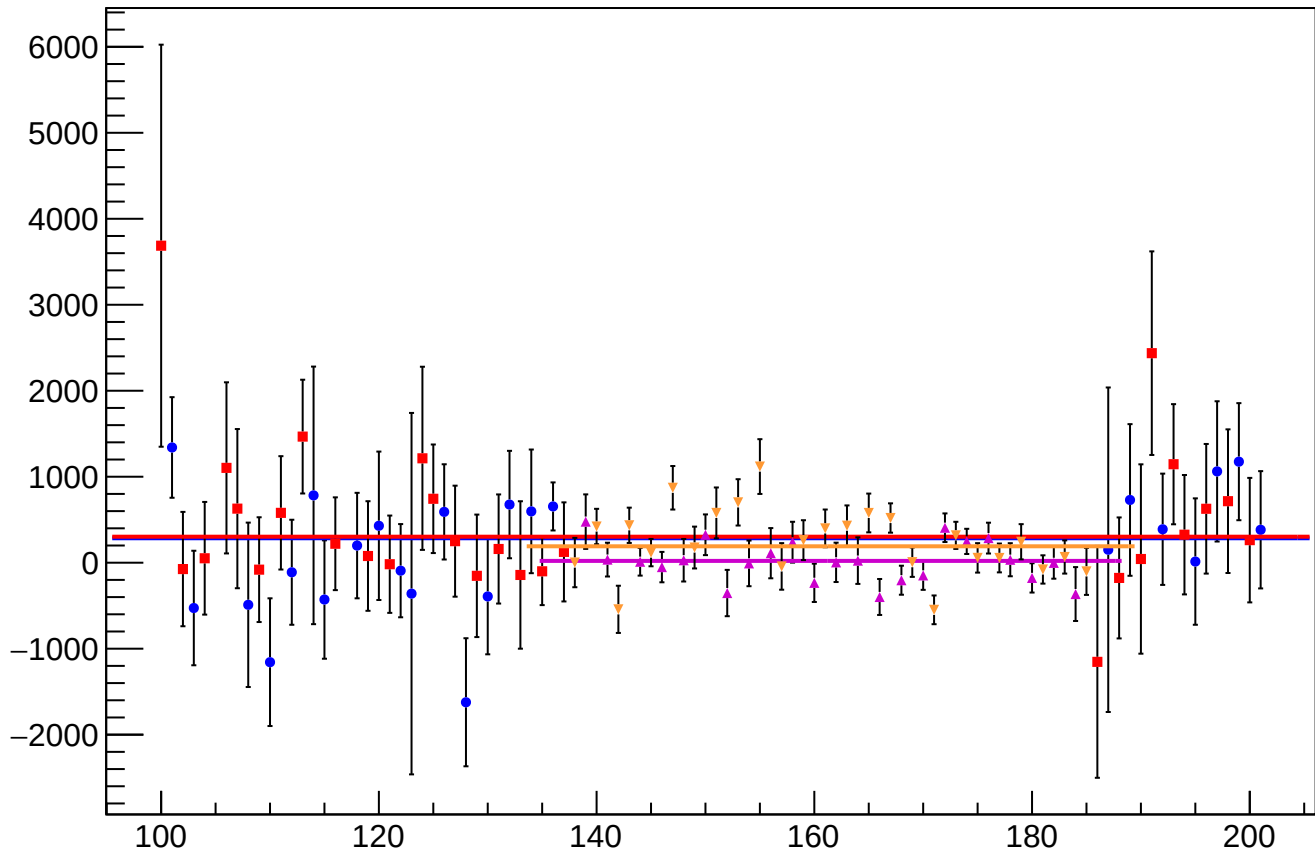
Left In: 20.424 $\pm$ 0.003 χ^2 /NDF: 323427.4/22

+ sign 22.244 $\pm$ 0.003 χ^2 /NDF: 3500448.9/48

All: 22.514 $\pm$ 0.002 χ^2 /NDF: 8009141.4/99

- sign 22.796 $\pm$ 0.003 χ^2 /NDF: 4491987.3/50

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 284.355+/-132.280 χ^2/NDF : 24.7/23

Left Out: 190.867+/-41.314 χ^2/NDF : 67.9/24

Right Out: 302.491+/-131.687 χ^2/NDF : 17.4/27

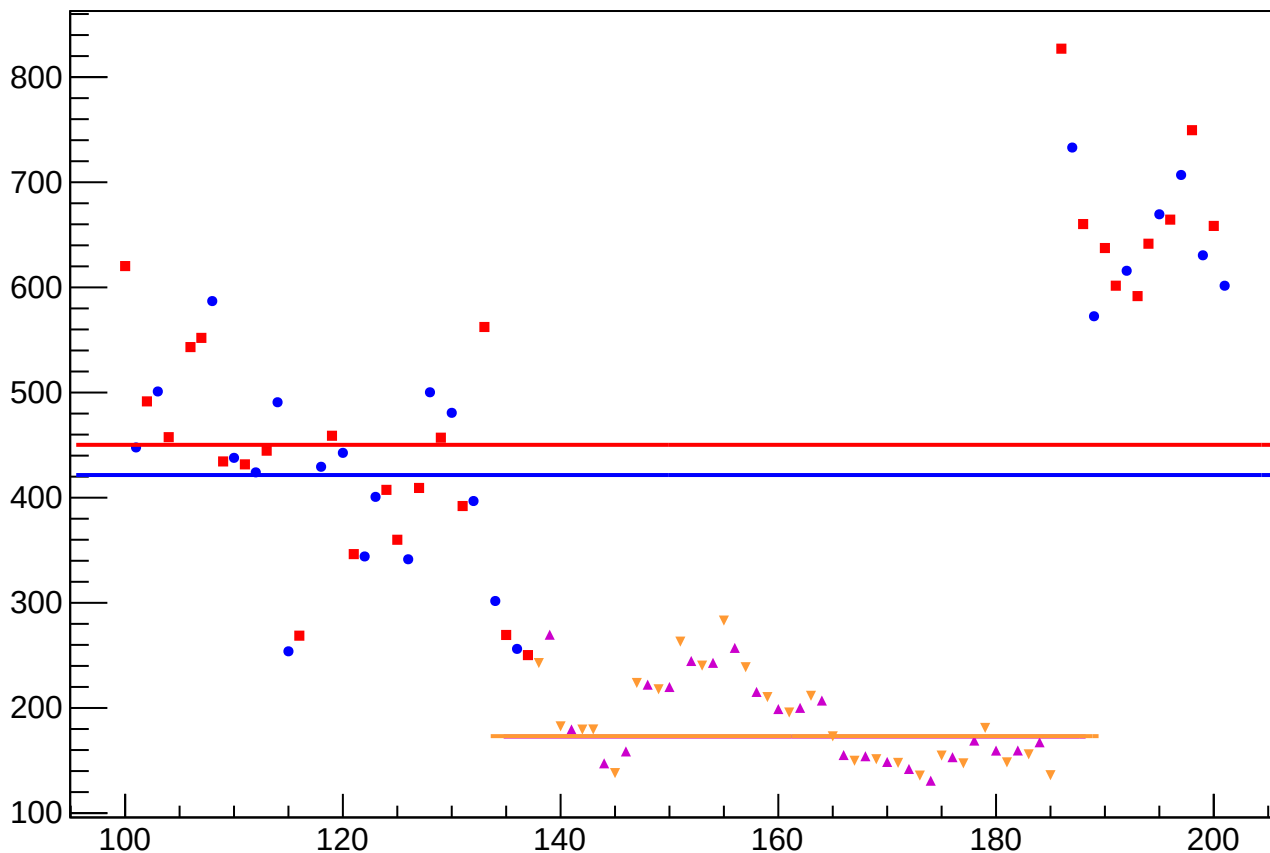
Left In: 20.998+/-42.291 χ^2/NDF : 27.7/22

+ sign 199.176+/-39.435 χ^2/NDF : 93.0/48

All: 124.827+/-28.174 χ^2/NDF : 149.5/99

- sign 47.316+/-40.265 χ^2/NDF : 49.3/50

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 421.549 $\pm$ 0.094 χ^2 /NDF: 2191538.0/23

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF: 1561250.6/24

Right Out: 450.266 $\pm$ 0.093 χ^2 /NDF: 236629.7/27

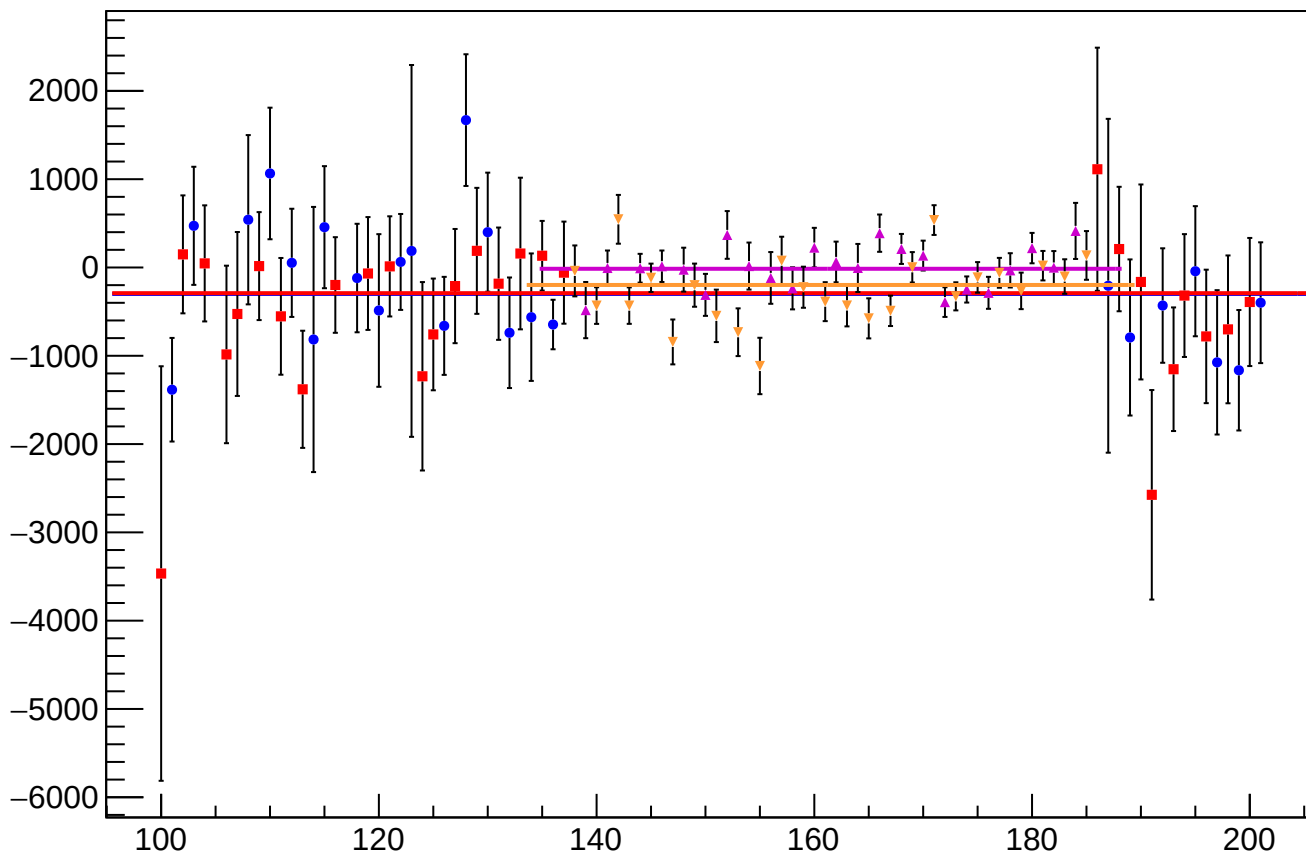
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF: 1372131.7/22

+ sign 195.281 $\pm$ 0.028 χ^2 /NDF: 10175342.8/48

All: 196.987 $\pm$ 0.020 χ^2 /NDF: 21969033.6/99

- sign 198.766 $\pm$ 0.028 χ^2 /NDF: 11786043.2/50

asym_sam_1357_2468_dd_mean vs Slug



Right In: -299.583 ± 132.649 χ^2/NDF : 24.8/23

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -290.914 ± 132.080 χ^2/NDF : 17.5/27

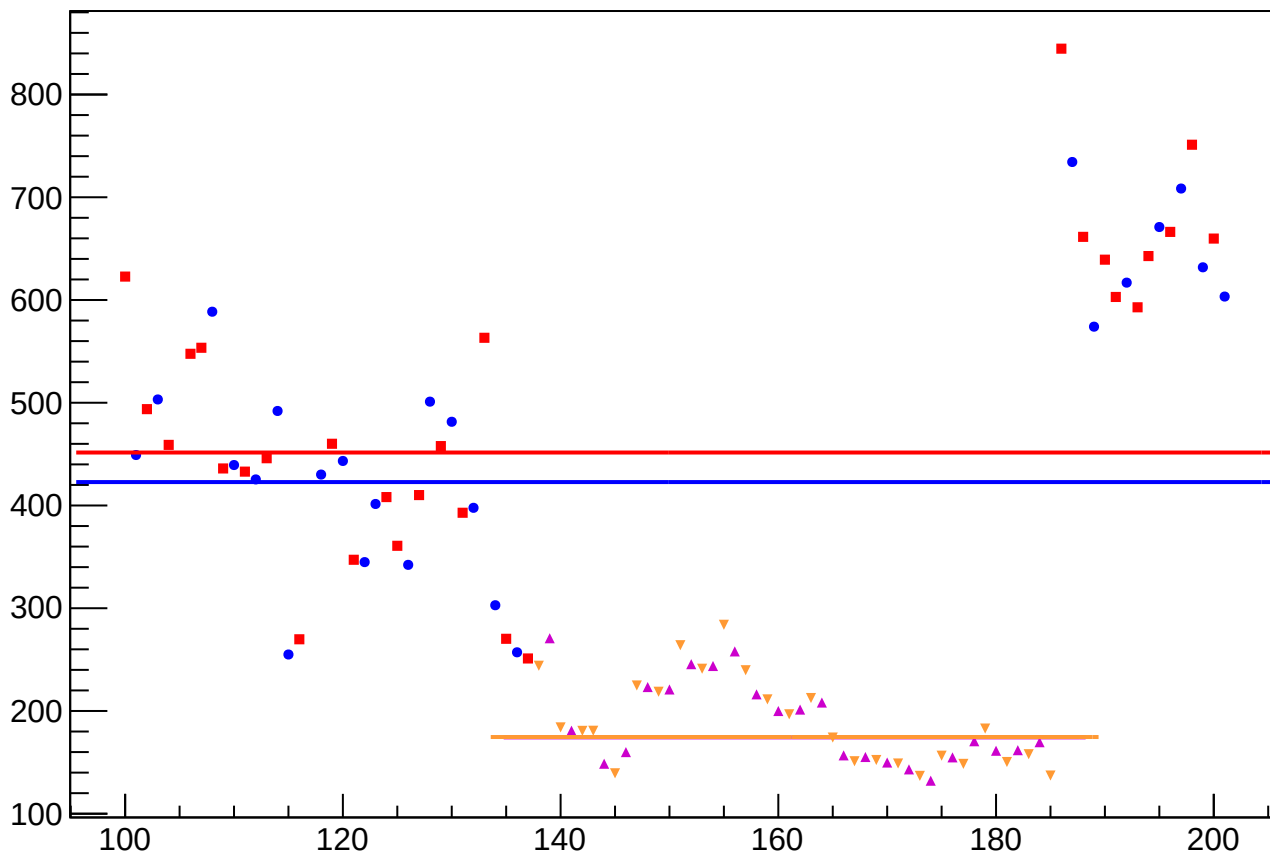
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -207.036 ± 39.727 χ^2/NDF : 89.6/48

All: -125.603 ± 28.384 χ^2/NDF : 147.3/99

- sign -40.683 ± 40.569 χ^2/NDF : 49.1/50

asym_sam_1357_2468_dd_rms vs Slug



Right In: 422.791 $\pm$ 0.094 χ^2 /NDF: 2185580.6/23

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF:1531999.5/24

Right Out: 451.558 $\pm$ 0.093 χ^2 /NDF: 2370019.3/27

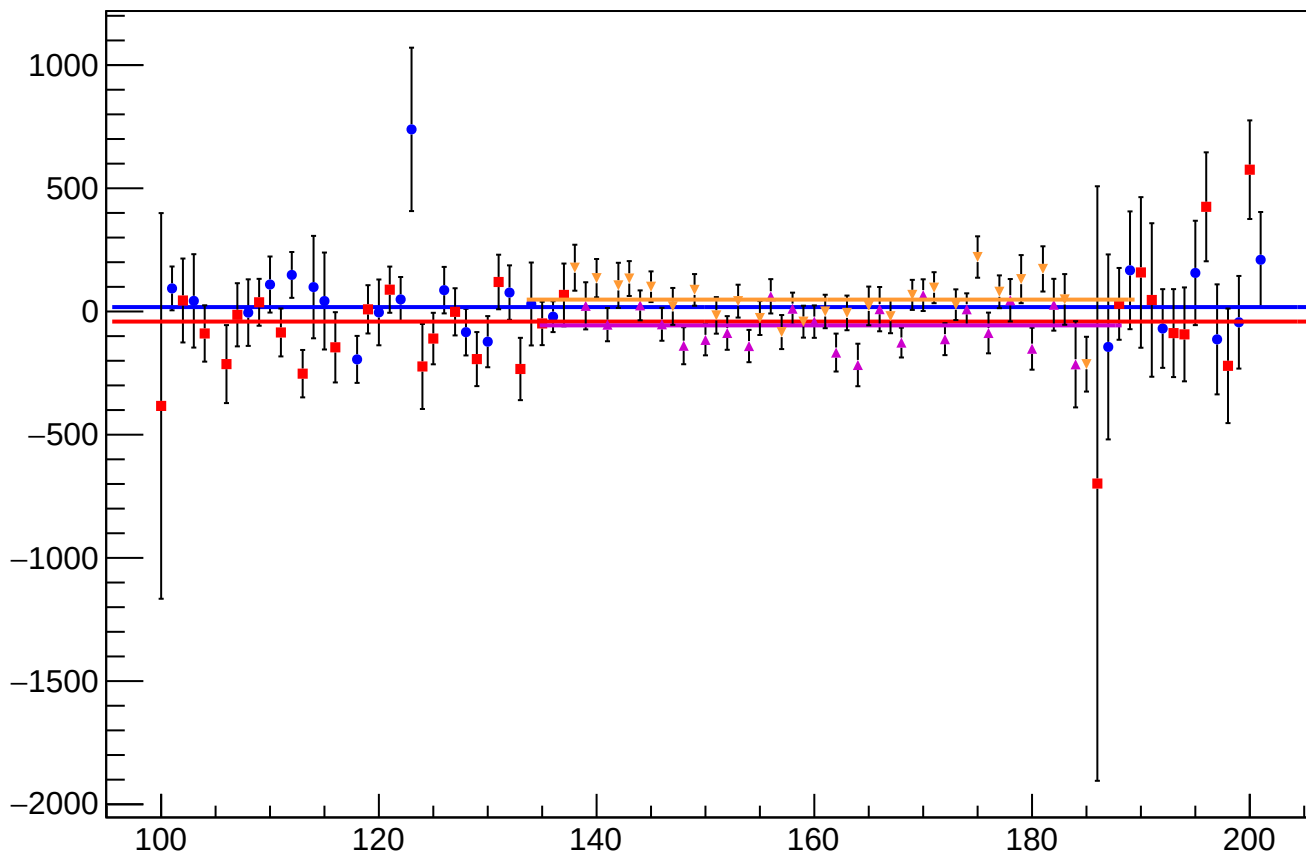
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF:1344779.5/22

+ sign 196.905 $\pm$ 0.028 χ^2 /NDF: 10088698.9/48

All: 198.639 $\pm$ 0.020 χ^2 /NDF: 21793569.5/99

- sign 200.447 $\pm$ 0.029 χ^2 /NDF: 11697088.6/50

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 17.872 $\pm$ 25.012 χ^2 /NDF: 20.3/23

Left Out: 48.233 $\pm$ 14.616 χ^2 /NDF: 29.3/24

Right Out: -40.914 $\pm$ 24.627 χ^2 /NDF: 34.8/27

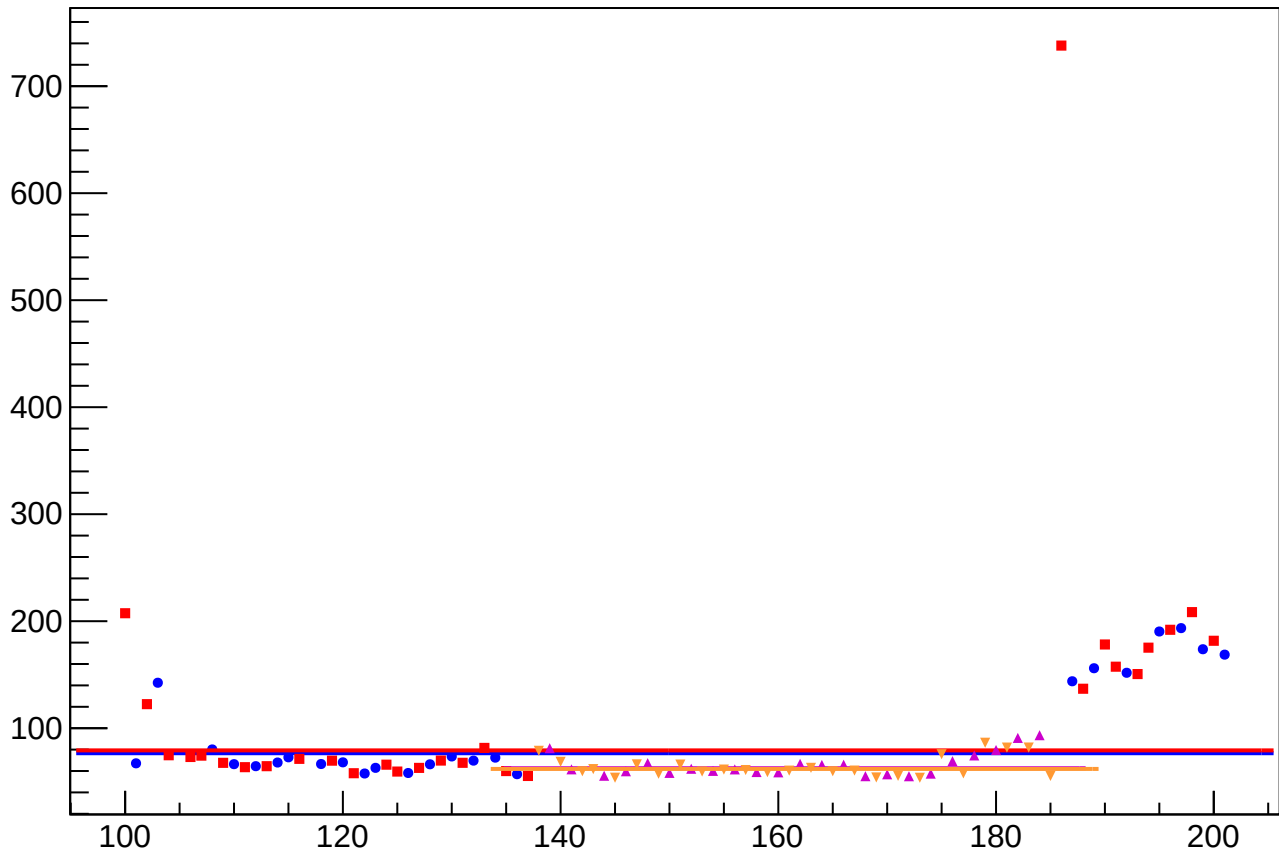
Left In: -56.403 $\pm$ 15.182 χ^2 /NDF: 27.5/22

+ sign 40.505 $\pm$ 12.619 χ^2 /NDF: 50.7/48

All: -4.712 $\pm$ 9.029 χ^2 /NDF: 139.5/99

- sign -52.138 $\pm$ 12.924 χ^2 /NDF: 62.5/50

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 76.618 $\pm$ 0.018 χ^2 /NDF: 3588523.9/23

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 79.274 $\pm$ 0.017 χ^2 /NDF: 4529946.6/27

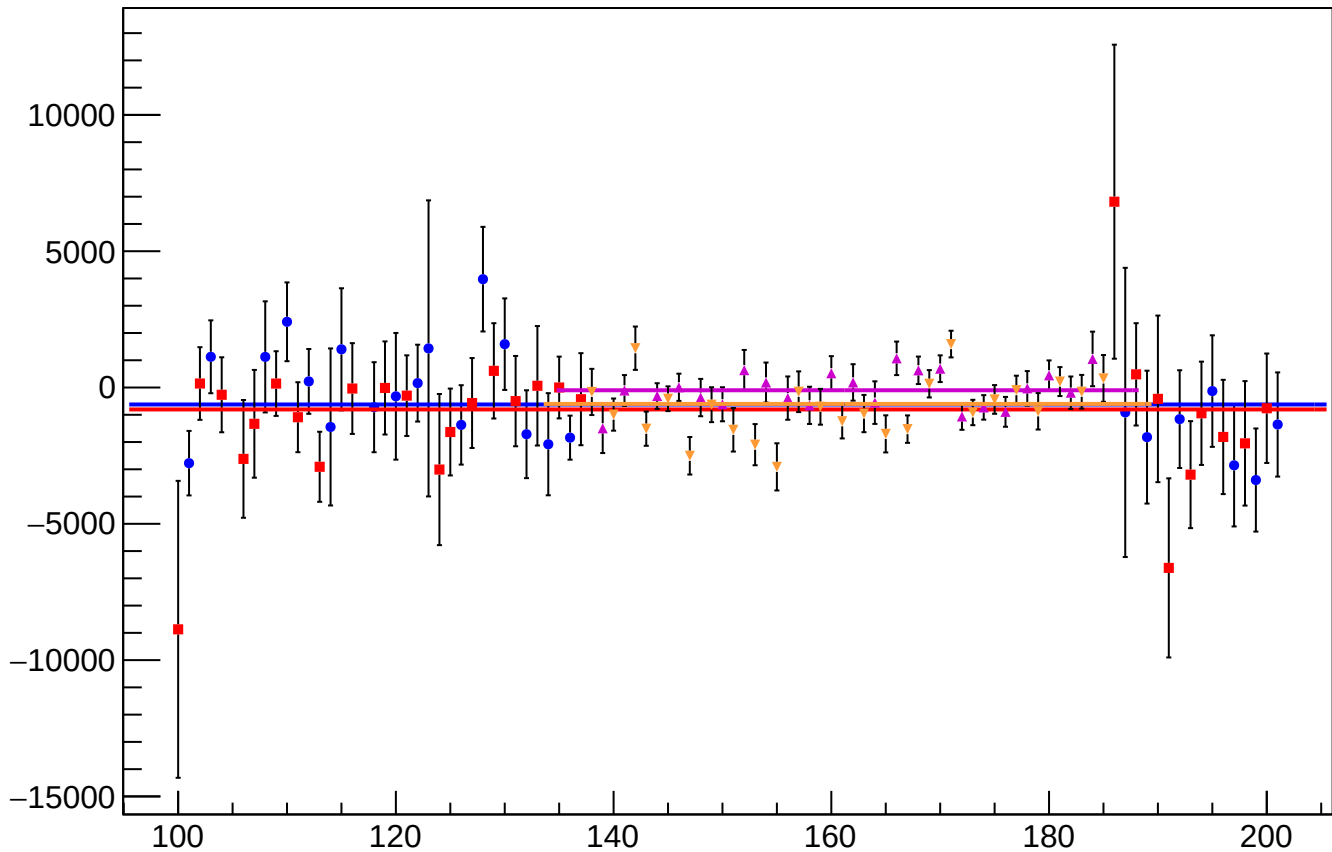
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 65.681 $\pm$ 0.009 χ^2 /NDF: 4706471.1/48

All: 66.421 $\pm$ 0.006 χ^2 /NDF: 10489803.9/99

- sign 67.197 $\pm$ 0.009 χ^2 /NDF: 5769241.5/50

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -622.501 ± 334.847 χ^2/NDF : 26.8/23

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -804.547 ± 327.529 χ^2/NDF : 17.3/27

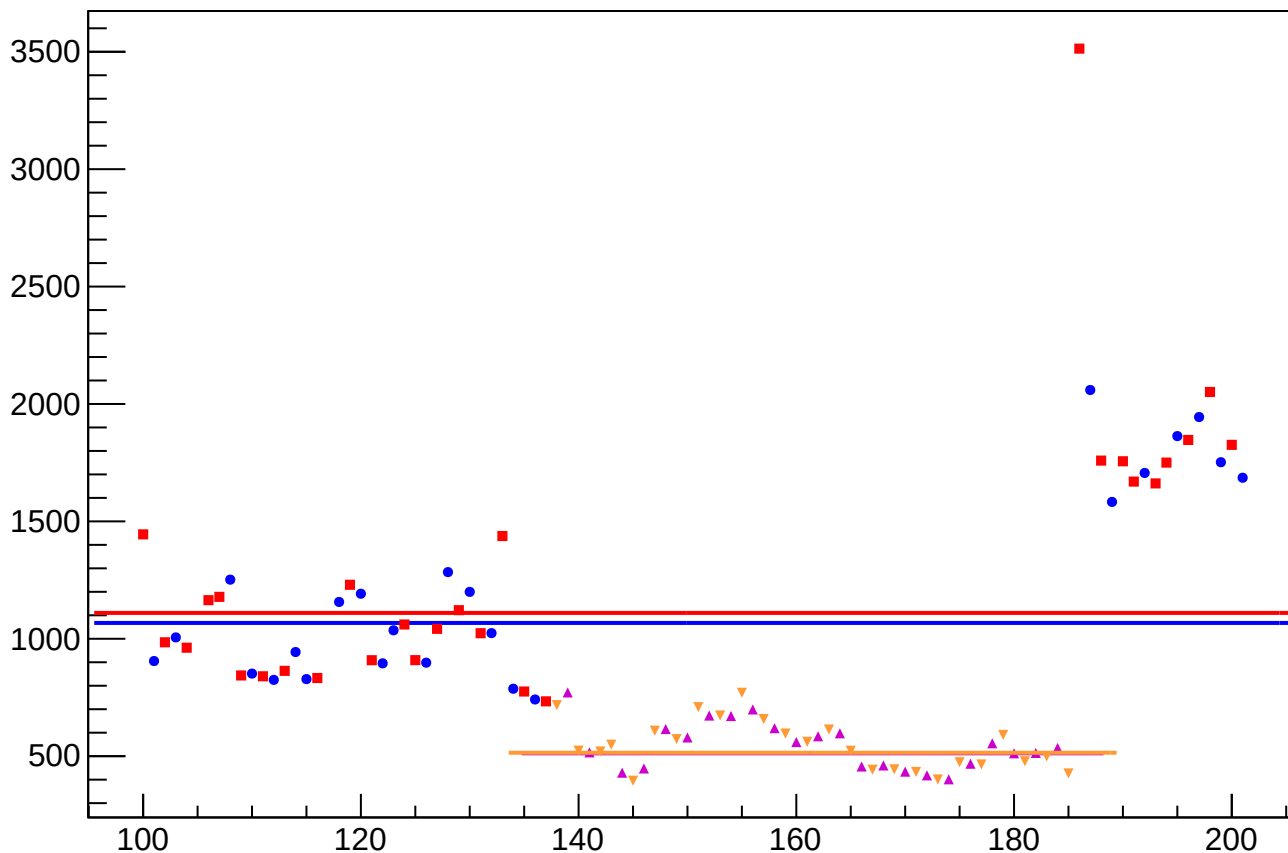
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -603.953 ± 114.727 χ^2/NDF : 92.2/48

All: -400.112 ± 81.764 χ^2/NDF : 145.3/99

- sign -189.707 ± 116.559 χ^2/NDF : 46.8/50

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1067.454+/-0.237 χ^2/NDF : 2184251.8/23

Left Out: 514.758+/-0.086 χ^2/NDF : 1194945.9/24

Right Out: 1110.142+/-0.232 χ^2/NDF : 2739841.7/27

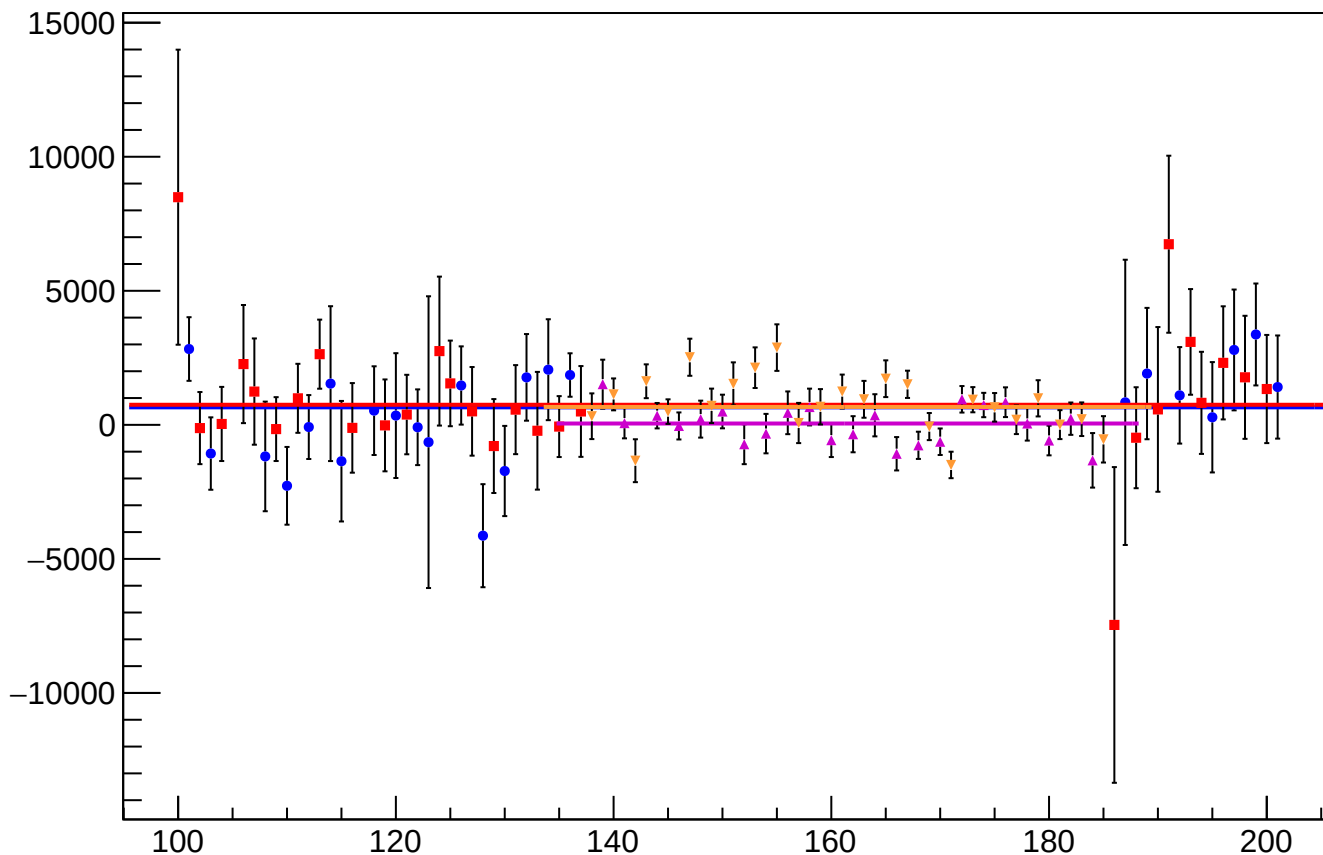
Left In: 512.199+/-0.088 χ^2/NDF : 1041302.8/22

+ sign 579.640+/-0.081 χ^2/NDF : 8188445.8/48

All: 583.718+/-0.058 χ^2/NDF : 17796285.8/99

- sign 587.927+/-0.082 χ^2/NDF : 9602704.9/50

asym_sam_12345678_avg_mean vs Slug



Right In: 652.940 $\pm$ 336.089 χ^2 /NDF: 26.7/23

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF:61.5/24

Right Out: 749.332 $\pm$ 328.909 χ^2 /NDF: 16.7/27

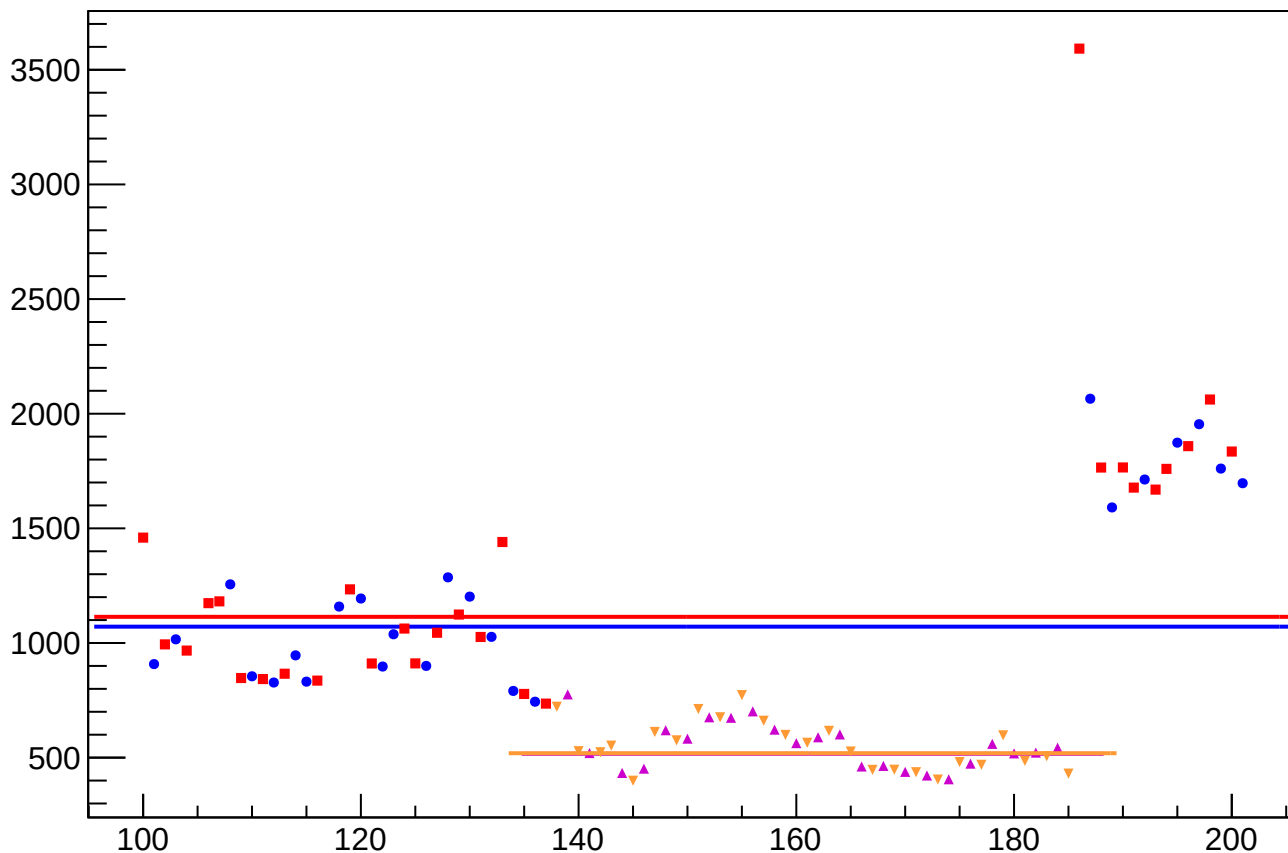
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF:26.1/22

+ sign 665.886 $\pm$ 115.628 χ^2 /NDF: 88.2/48

All: 406.838 $\pm$ 82.416 χ^2 /NDF: 145.2/99

- sign 139.323 $\pm$ 117.503 χ^2 /NDF: 46.7/50

asym_sam_12345678_avg_rms vs Slug



Right In: 1071.250+/-0.238 χ^2/NDF : 2190862.6/23

Left Out: 519.254+/-0.087 χ^2/NDF :1172411.1/24

Right Out: 1114.176+/-0.233 χ^2/NDF : 2753673.0/27

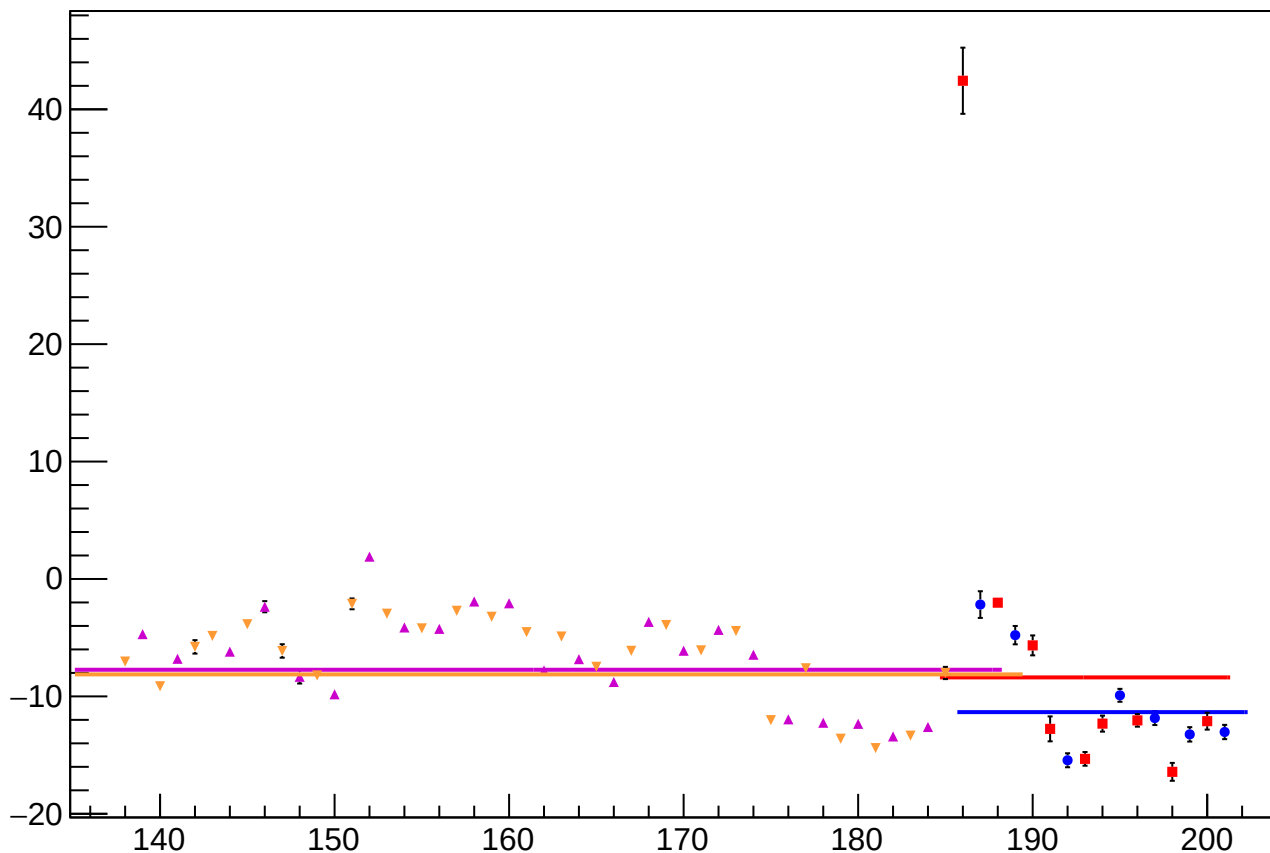
Left In: 516.792+/-0.089 χ^2/NDF :1021374.1/22

+ sign 584.590+/-0.082 χ^2/NDF : 8119718.6/48

All: 588.745+/-0.058 χ^2/NDF : 17655572.8/99

- sign 593.035+/-0.083 χ^2/NDF : 9530606.3/50

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -11.341 ± 0.245 χ^2/NDF : 207.2/6

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -8.383 ± 0.206 χ^2/NDF : 1070.7/8

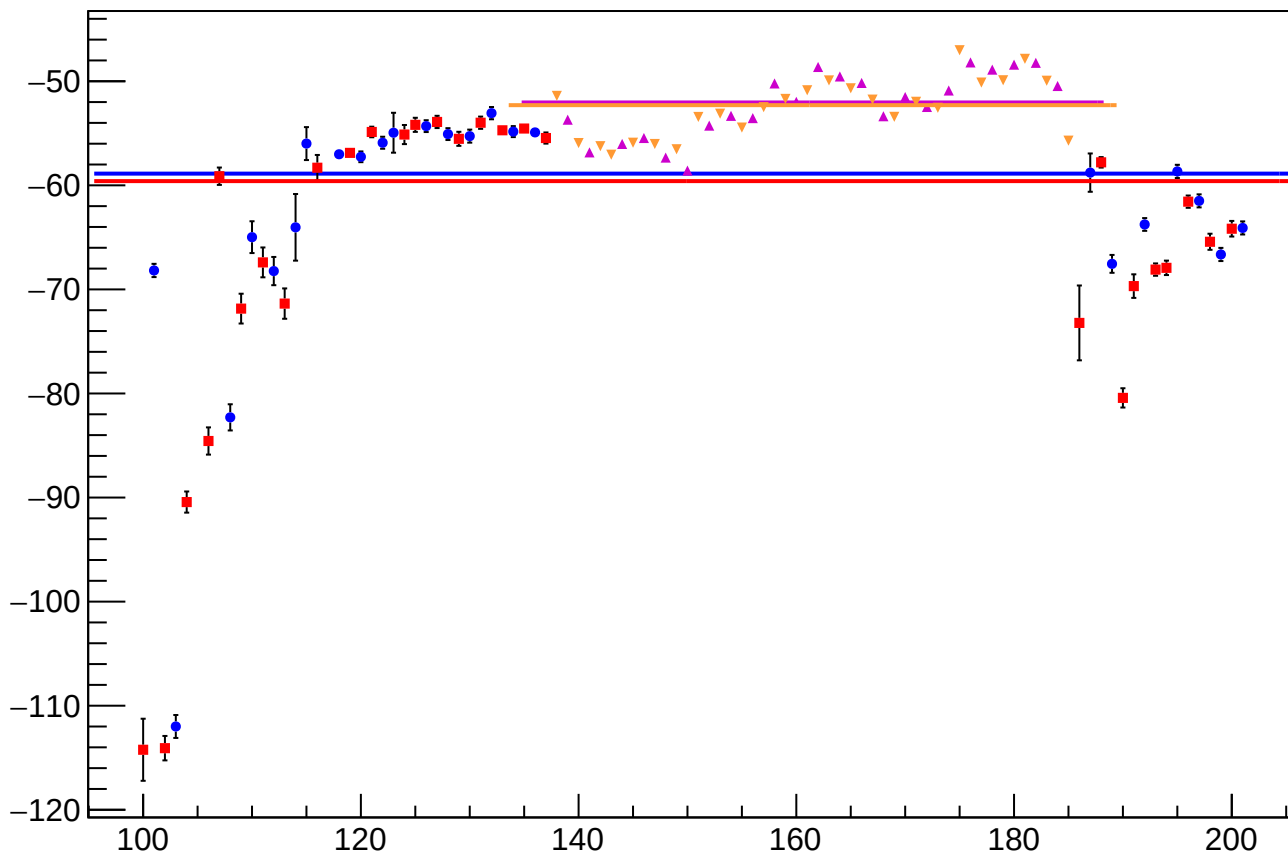
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -8.354 ± 0.065 χ^2/NDF : 4003.0/31

All: -8.077 ± 0.046 χ^2/NDF : 8838.2/63

- sign -7.797 ± 0.065 χ^2/NDF : 4798.7/31

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.875 ± 0.126 $\chi^2/\text{NDF}: 3943.2/23$

Left Out: -52.297 ± 0.055 $\chi^2/\text{NDF}: 2657.5/24$

Right Out: -59.595 ± 0.123 $\chi^2/\text{NDF}: 5937.4/27$

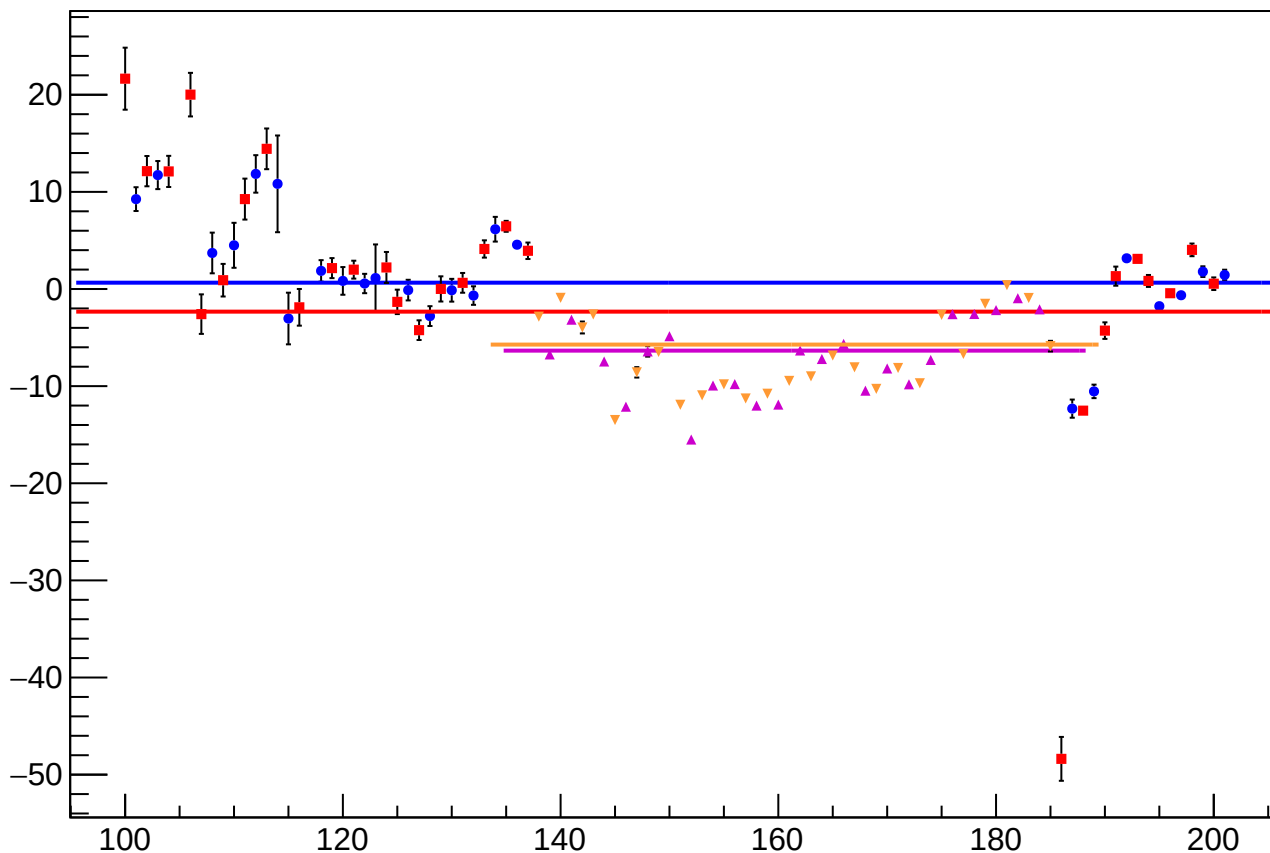
Left In: -52.038 ± 0.057 $\chi^2/\text{NDF}: 3180.4/22$

+ sign -53.353 ± 0.050 $\chi^2/\text{NDF}: 8893.3/48$

All: -53.365 ± 0.036 $\chi^2/\text{NDF}: 21111.4/99$

- sign -53.378 ± 0.052 $\chi^2/\text{NDF}: 12218.0/50$

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 0.651 ± 0.164 χ^2/NDF : 795.0/23

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -2.330 ± 0.147 χ^2/NDF : 2944.3/27

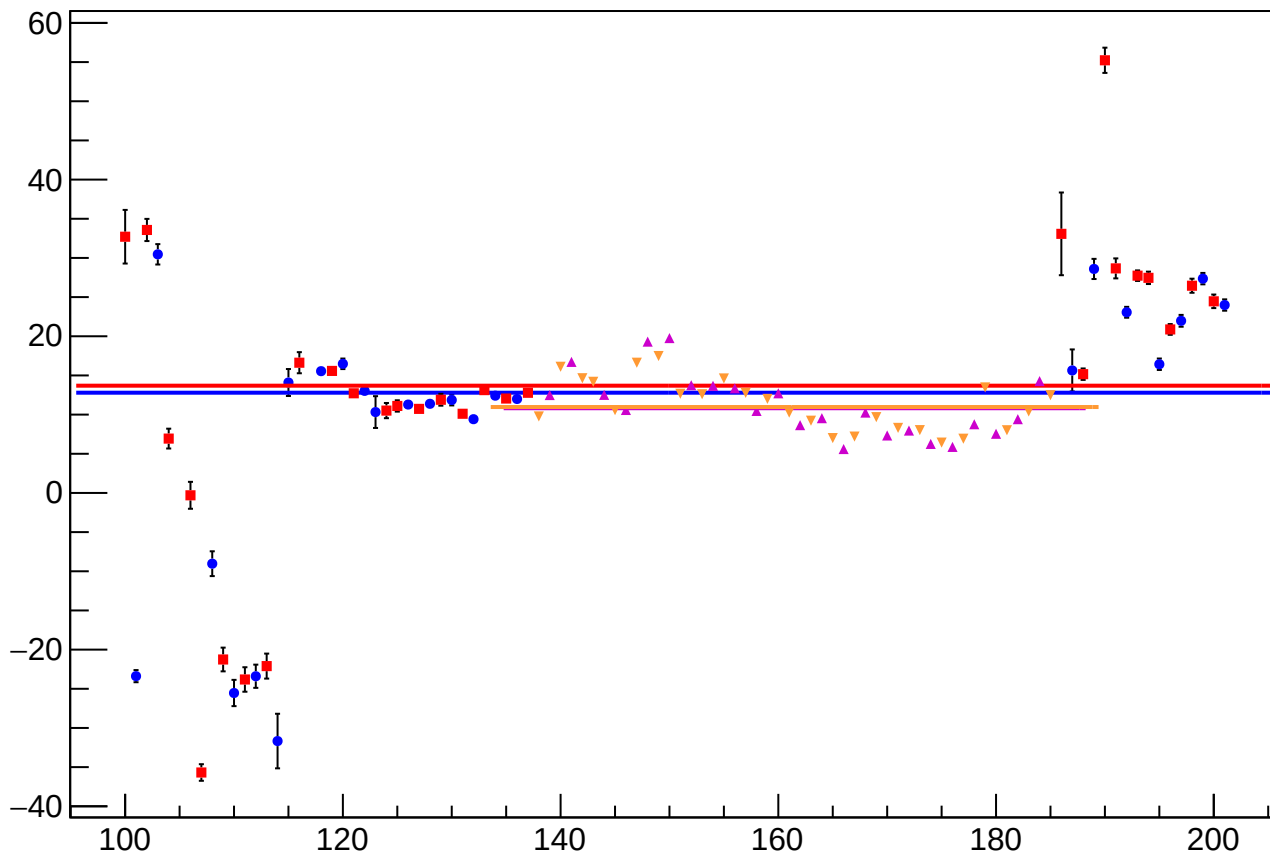
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.801 ± 0.062 χ^2/NDF : 6063.9/48

All: -5.216 ± 0.044 χ^2/NDF : 13090.8/99

- sign -5.627 ± 0.062 χ^2/NDF : 6939.1/50

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.796 $\pm$ 0.141 χ^2 /NDF: 5130.2/23

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 13.692 $\pm$ 0.141 χ^2 /NDF: 6269.5/27

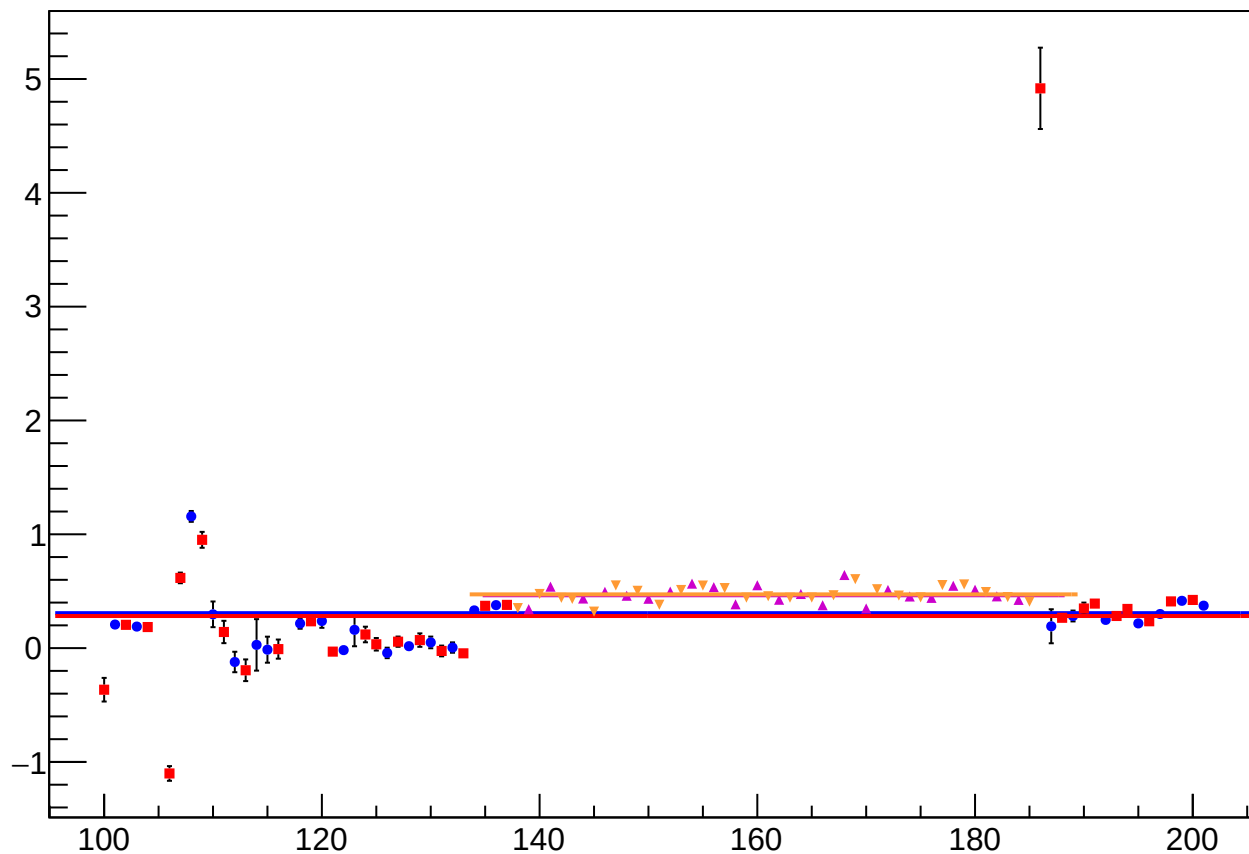
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 11.258 $\pm$ 0.056 χ^2 /NDF: 7909.0/48

All: 11.276 $\pm$ 0.040 χ^2 /NDF: 18073.2/99

- sign 11.295 $\pm$ 0.058 χ^2 /NDF: 10163.9/50

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.307 ± 0.006 χ^2/NDF : 710.0/23

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.282 ± 0.006 χ^2/NDF : 1255.7/27

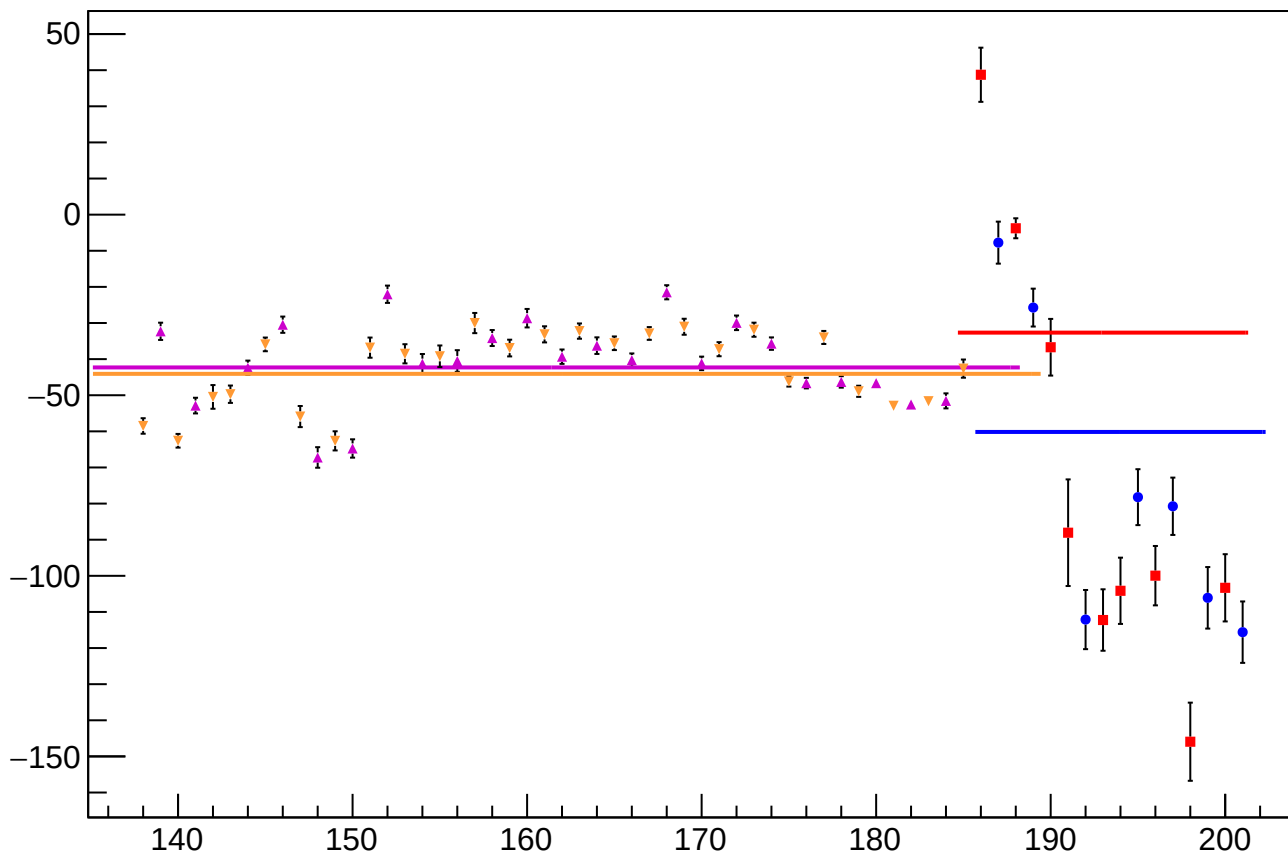
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.445 ± 0.003 χ^2/NDF : 1818.5/48

All: 0.440 ± 0.002 χ^2/NDF : 4519.8/99

- sign 0.434 ± 0.003 χ^2/NDF : 2692.4/50

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -60.162 ± 2.663 χ^2/NDF : 248.3/6

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -32.663 ± 2.085 χ^2/NDF : 596.6/8

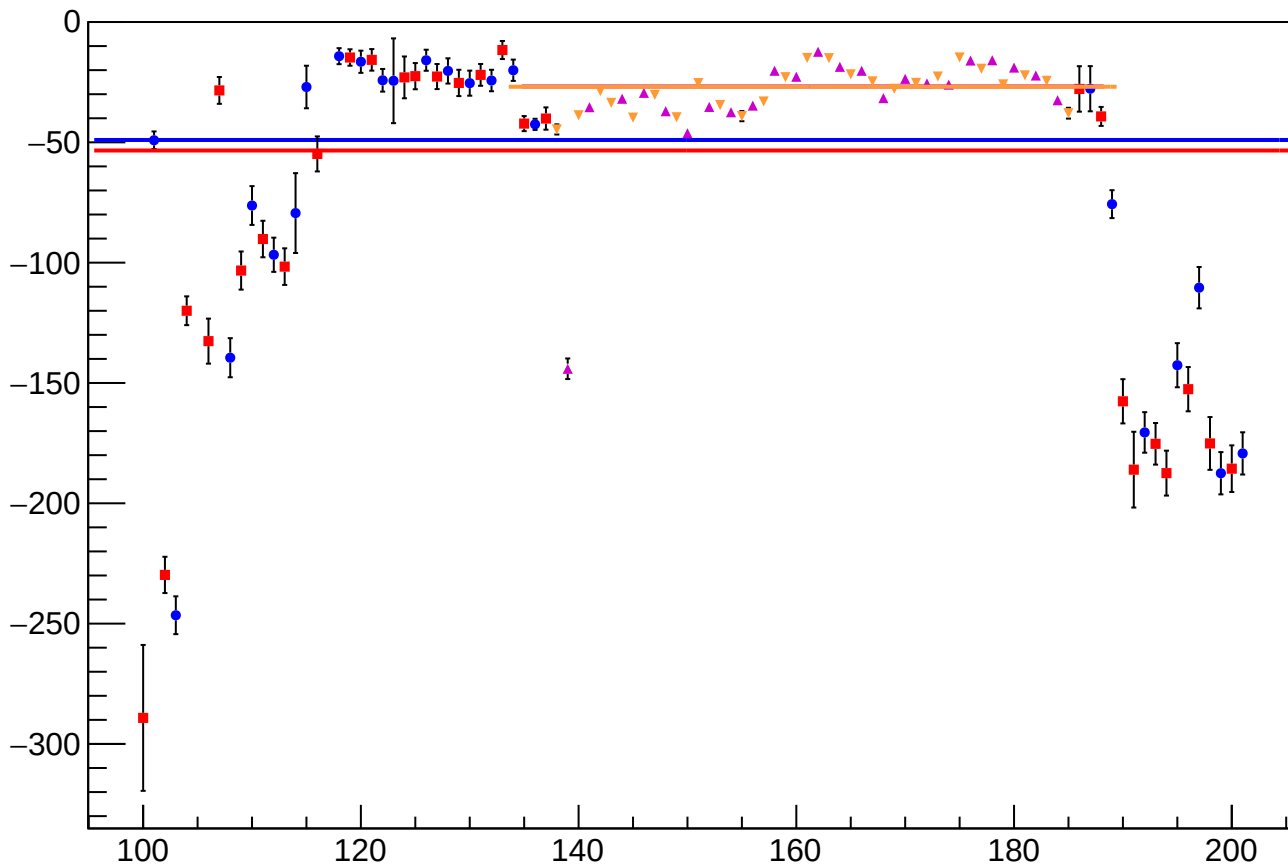
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -44.413 ± 0.385 χ^2/NDF : 916.6/31

All: -43.212 ± 0.275 χ^2/NDF : 2194.3/63

- sign -41.963 ± 0.392 χ^2/NDF : 1257.8/31

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -49.021 ± 1.076 $\chi^2/\text{NDF}: 2058.5/23$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -53.393 ± 1.099 $\chi^2/\text{NDF}: 2475.8/27$

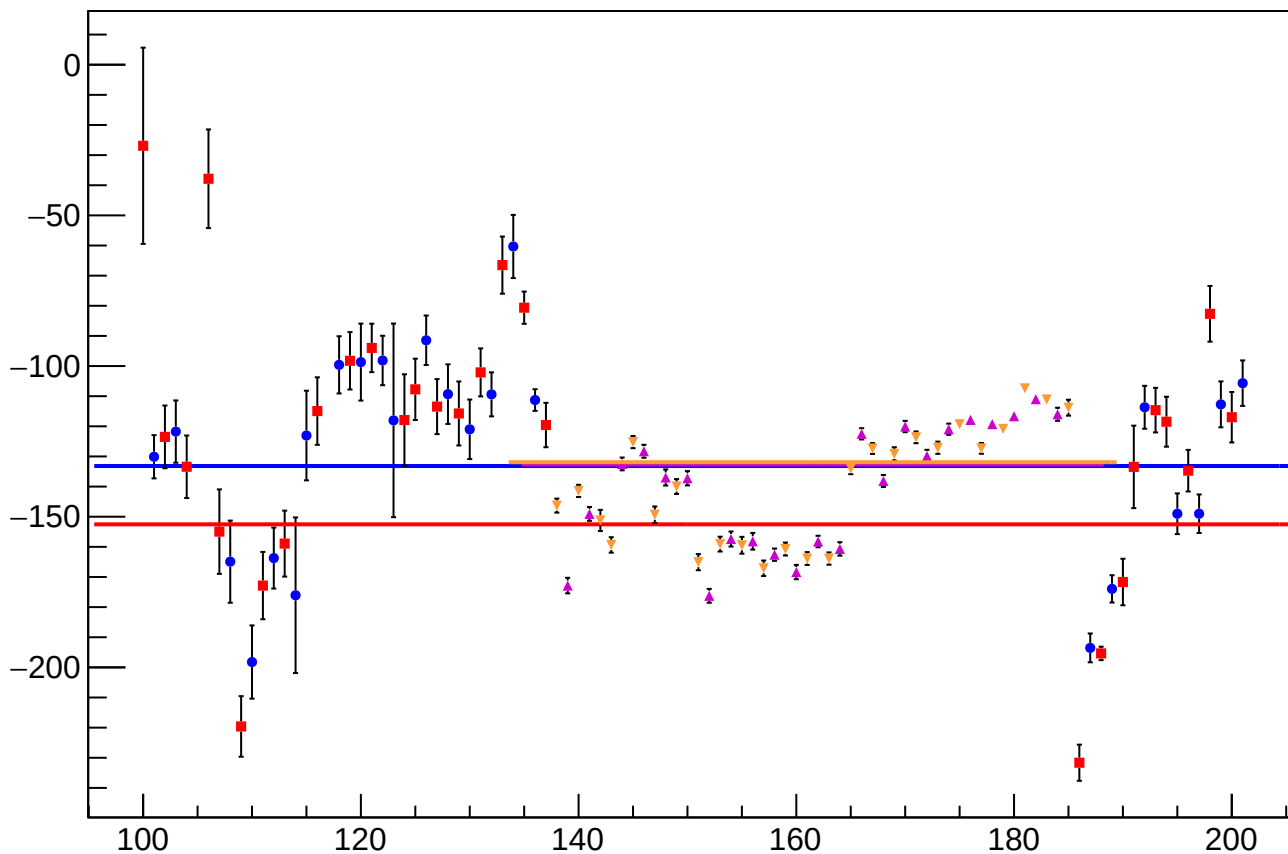
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -28.660 ± 0.303 $\chi^2/\text{NDF}: 3078.3/48$

All: -28.791 ± 0.218 $\chi^2/\text{NDF}: 7488.2/99$

- sign -28.930 ± 0.313 $\chi^2/\text{NDF}: 4409.5/50$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -133.176 $\pm$ 1.536 χ^2 /NDF: 495.6/23

Left Out: -131.912 $\pm$ 0.391 χ^2 /NDF: 2439.3/24

Right Out: -152.526 $\pm$ 1.367 χ^2 /NDF: 1274.5/27

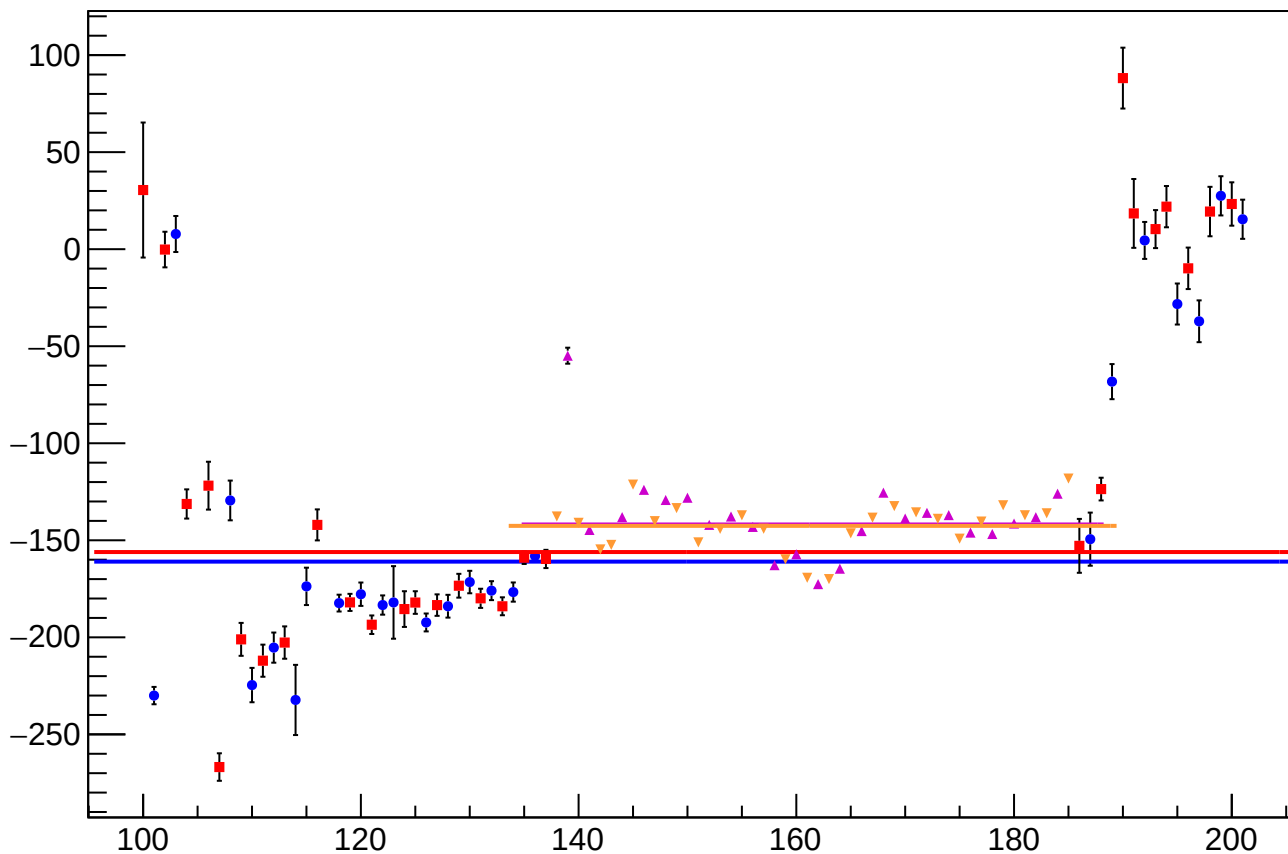
Left In: -132.690 $\pm$ 0.399 χ^2 /NDF: 2480.2/22

+ sign -131.989 $\pm$ 0.379 χ^2 /NDF: 2935.5/48

All: -133.108 $\pm$ 0.270 χ^2 /NDF: 6901.8/99

- sign -134.250 $\pm$ 0.383 χ^2 /NDF: 3948.7/50

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -160.993 ± 1.215 χ^2/NDF : 2171.2/23

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -156.051 ± 1.264 χ^2/NDF : 2482.0/27

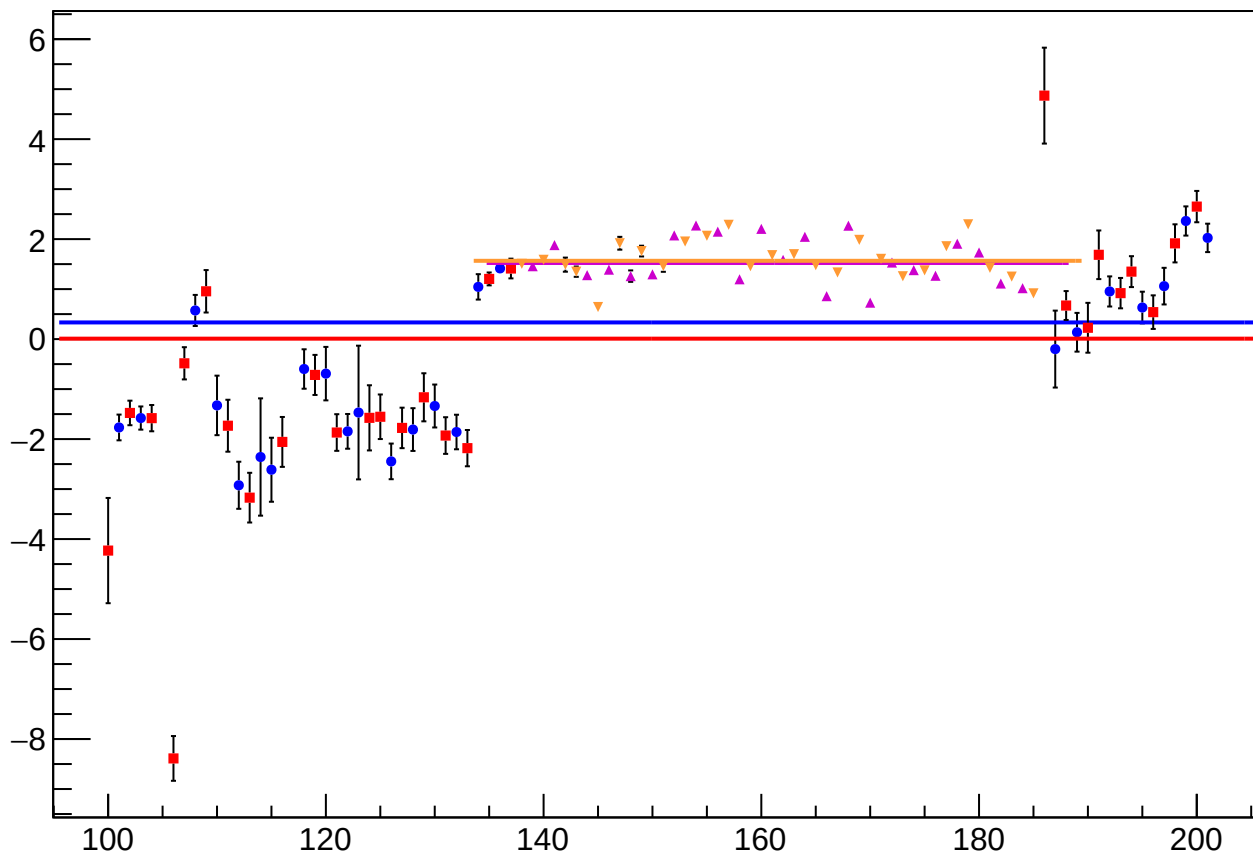
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -144.006 ± 0.340 χ^2/NDF : 3530.9/48

All: -143.489 ± 0.244 χ^2/NDF : 7678.3/99

- sign -142.941 ± 0.350 χ^2/NDF : 4142.6/50

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.333 ± 0.059 χ^2/NDF : 633.7/23

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.009 ± 0.061 χ^2/NDF : 961.2/27

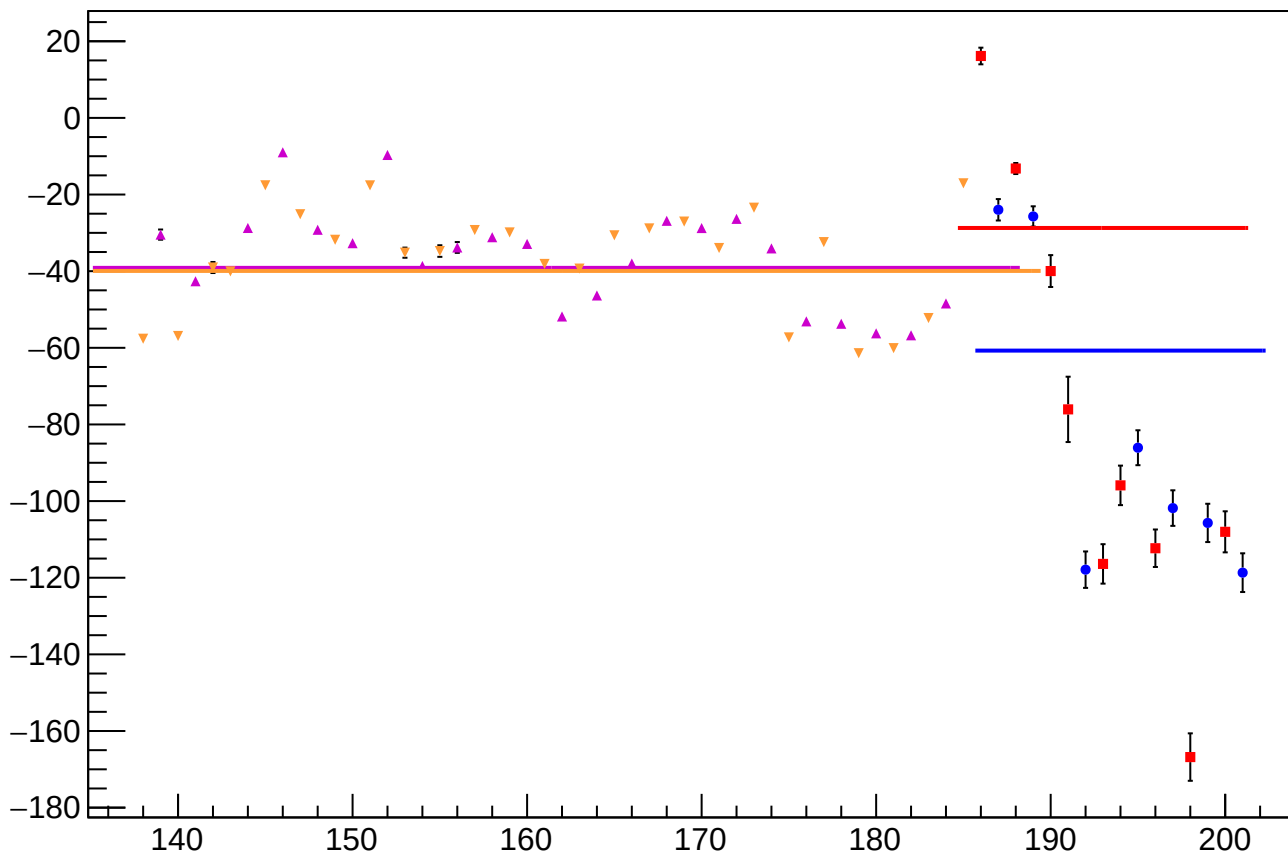
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.481 ± 0.016 χ^2/NDF : 1576.2/48

All: 1.452 ± 0.011 χ^2/NDF : 3849.1/99

- sign 1.421 ± 0.016 χ^2/NDF : 2265.7/50

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -60.728 ± 1.429 $\chi^2/\text{NDF}: 815.4/6$

Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$

Right Out: -28.724 ± 1.029 $\chi^2/\text{NDF}: 2049.2/8$

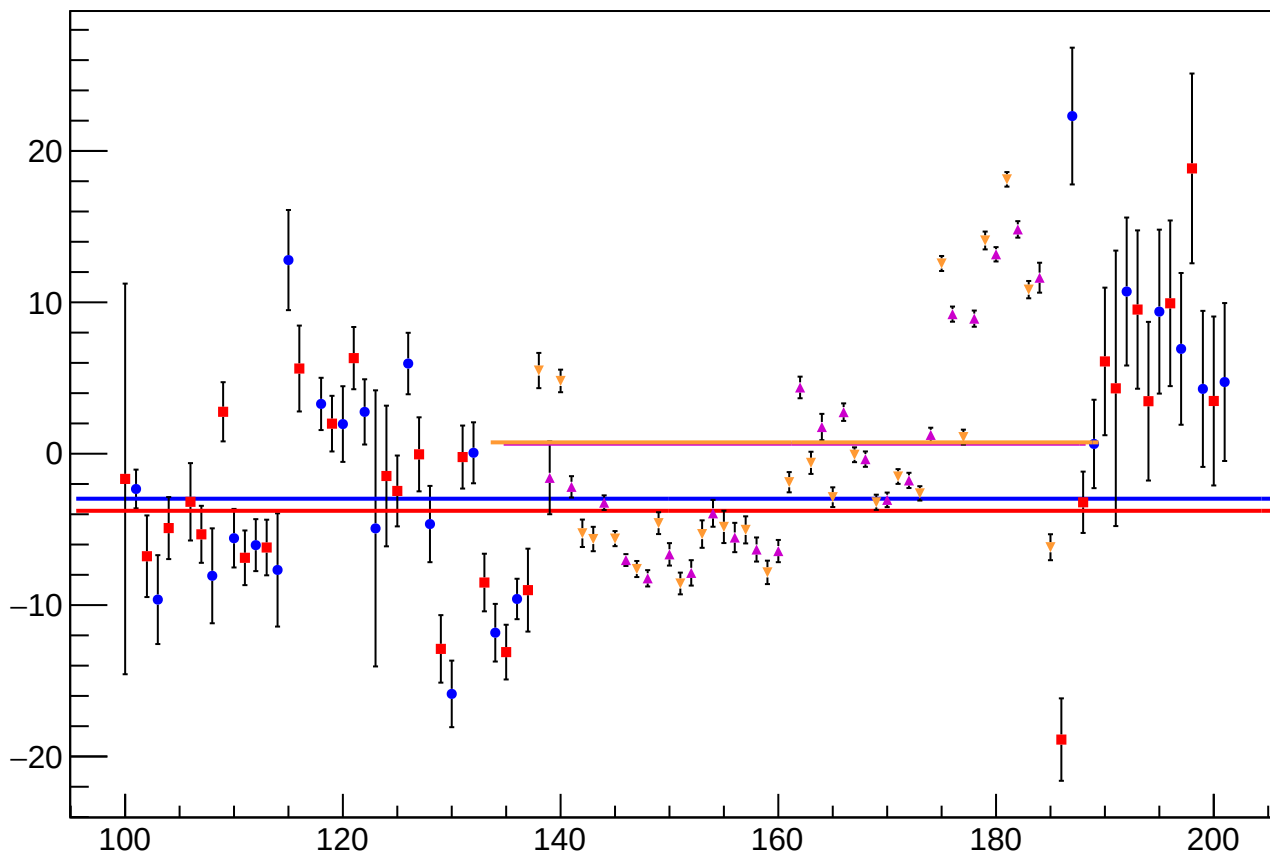
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -40.171 ± 0.152 $\chi^2/\text{NDF}: 10831.2/31$

All: -39.542 ± 0.108 $\chi^2/\text{NDF}: 21549.4/63$

- sign -38.907 ± 0.153 $\chi^2/\text{NDF}: 10683.9/31$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -2.972 ± 0.478 χ^2/NDF : 218.2/23

Left Out: 0.749 ± 0.124 χ^2/NDF : 3970.9/24

Right Out: -3.771 ± 0.473 χ^2/NDF : 187.3/27

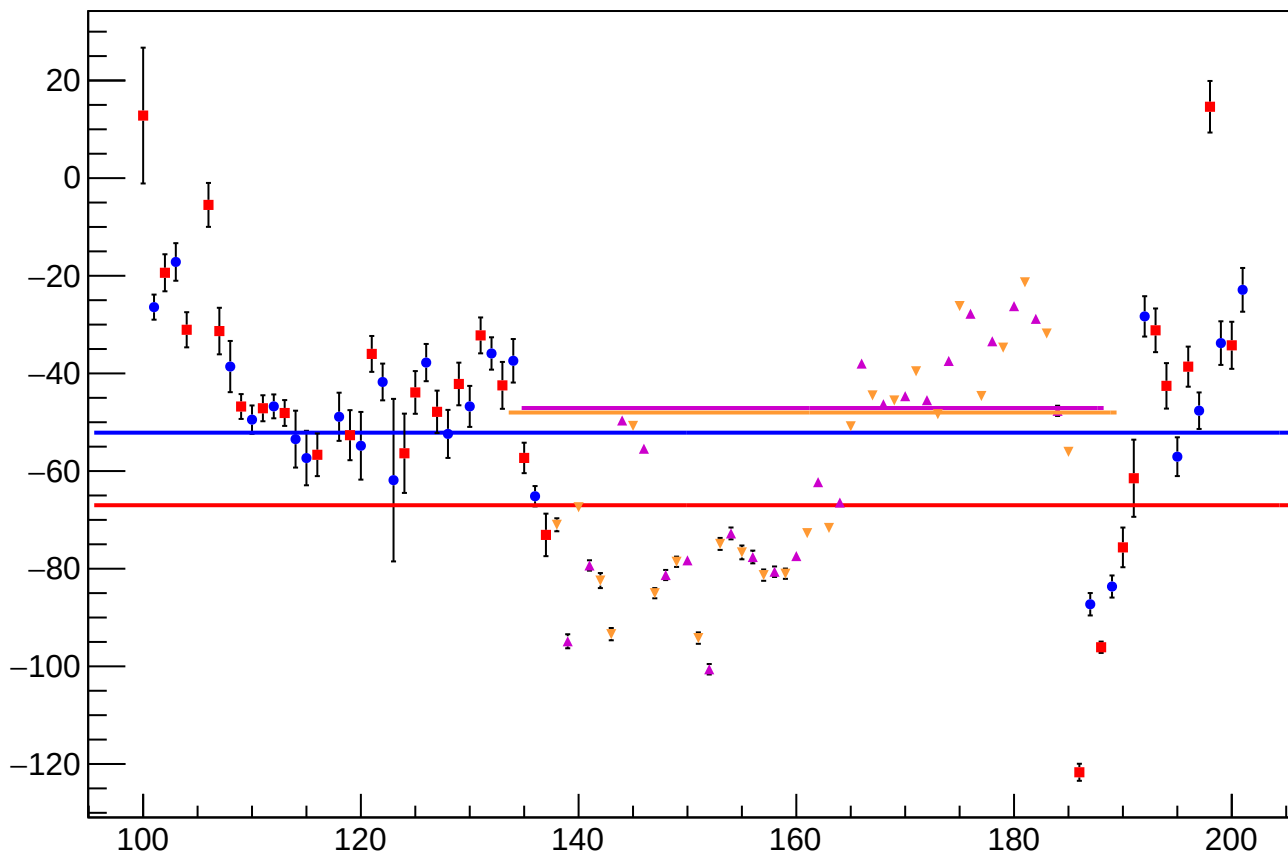
Left In: 0.660 ± 0.124 χ^2/NDF : 3337.8/22

+ sign 0.514 ± 0.120 χ^2/NDF : 4245.7/48

All: 0.444 ± 0.085 χ^2/NDF : 7853.7/99

- sign 0.373 ± 0.120 χ^2/NDF : 3607.3/50

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -52.136 ± 0.715 χ^2/NDF : 817.8/23

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -66.998 ± 0.611 χ^2/NDF : 3037.4/27

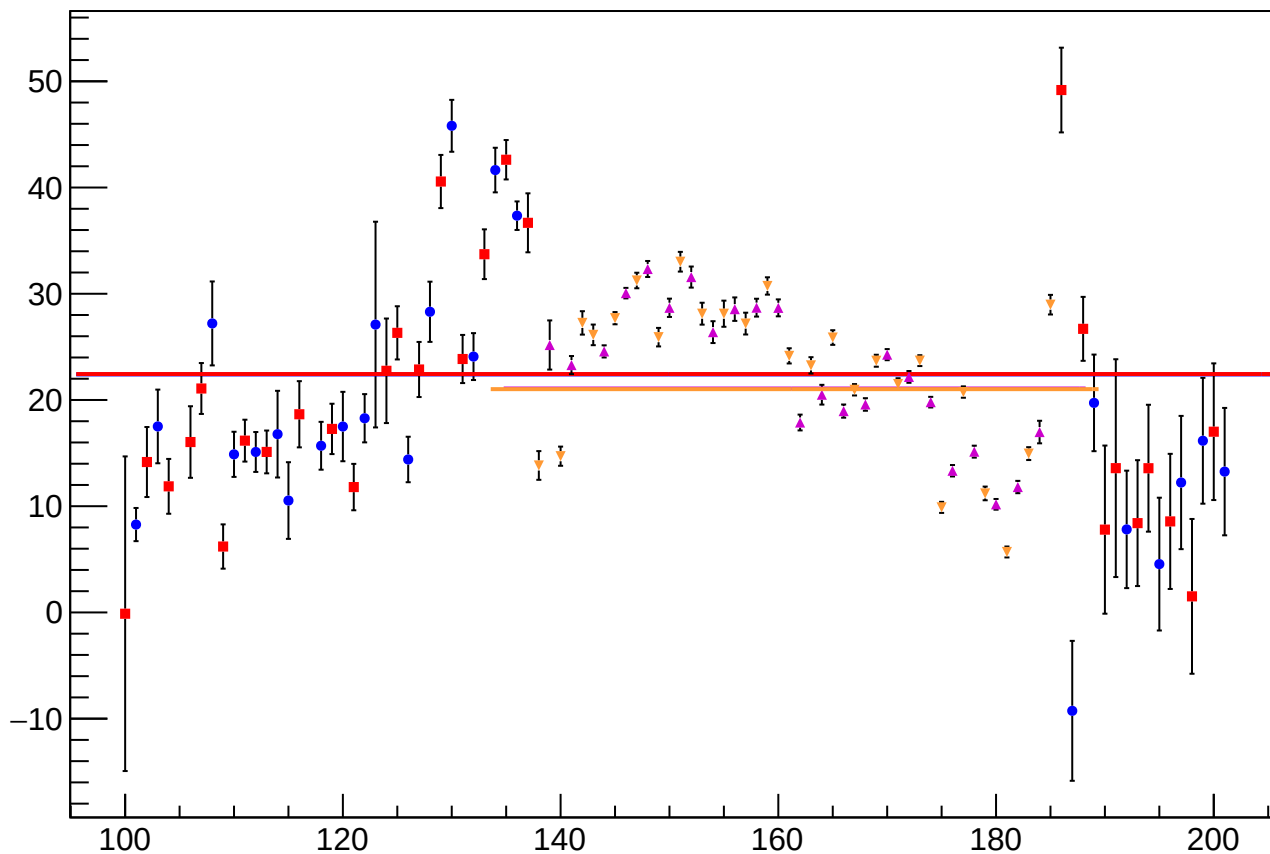
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.192 ± 0.151 χ^2/NDF : 17799.6/48

All: -48.243 ± 0.107 χ^2/NDF : 37349.3/99

- sign -48.293 ± 0.151 χ^2/NDF : 19549.5/50

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.406 ± 0.542 $\chi^2/\text{NDF}: 503.5/23$

Left Out: 21.020 ± 0.139 $\chi^2/\text{NDF}: 2799.3/24$

Right Out: 22.441 ± 0.545 $\chi^2/\text{NDF}: 439.0/27$

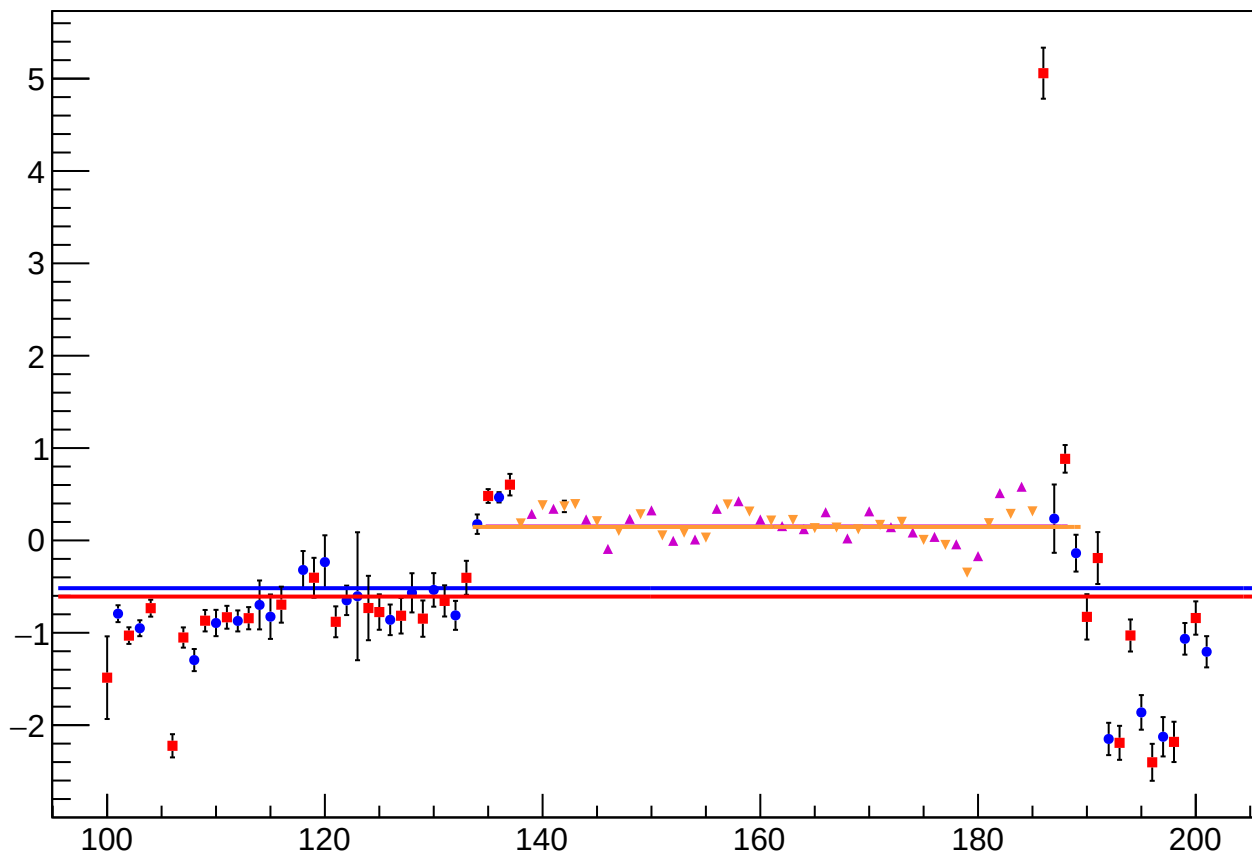
Left In: 21.079 ± 0.140 $\chi^2/\text{NDF}: 2173.2/22$

+ sign 21.105 ± 0.134 $\chi^2/\text{NDF}: 3308.9/48$

All: 21.134 ± 0.095 $\chi^2/\text{NDF}: 5927.1/99$

- sign 21.163 ± 0.135 $\chi^2/\text{NDF}: 2618.1/50$

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.517 ± 0.028 χ^2/NDF : 689.7/23

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.608 ± 0.028 χ^2/NDF : 1288.1/27

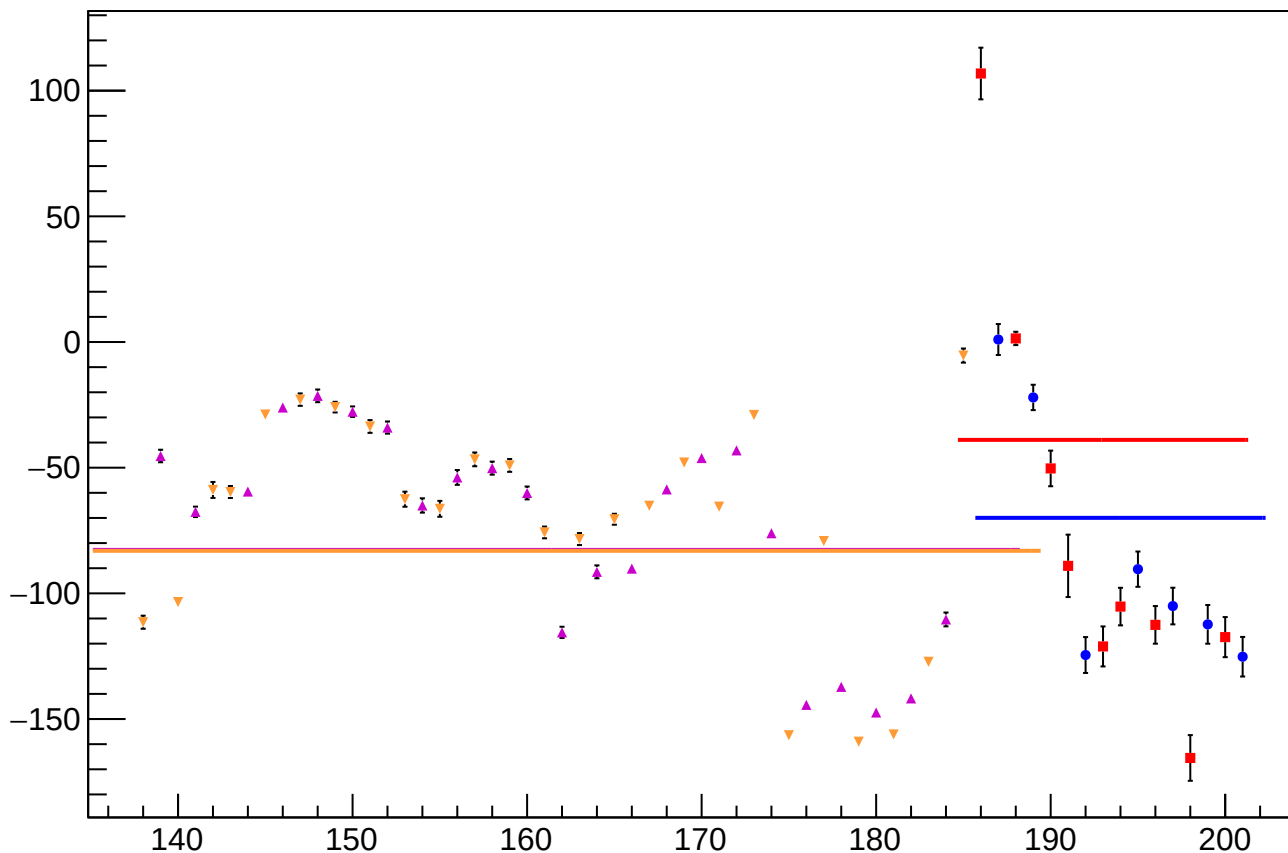
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.114 ± 0.006 χ^2/NDF : 1837.4/48

All: 0.113 ± 0.004 χ^2/NDF : 4716.3/99

- sign 0.112 ± 0.006 χ^2/NDF : 2878.9/50

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -69.952 ± 2.521 $\chi^2/\text{NDF}: 392.3/6$

Left Out: -83.068 ± 0.406 $\chi^2/\text{NDF}: 13817.3/24$

Right Out: -38.940 ± 1.971 $\chi^2/\text{NDF}: 1024.0/8$

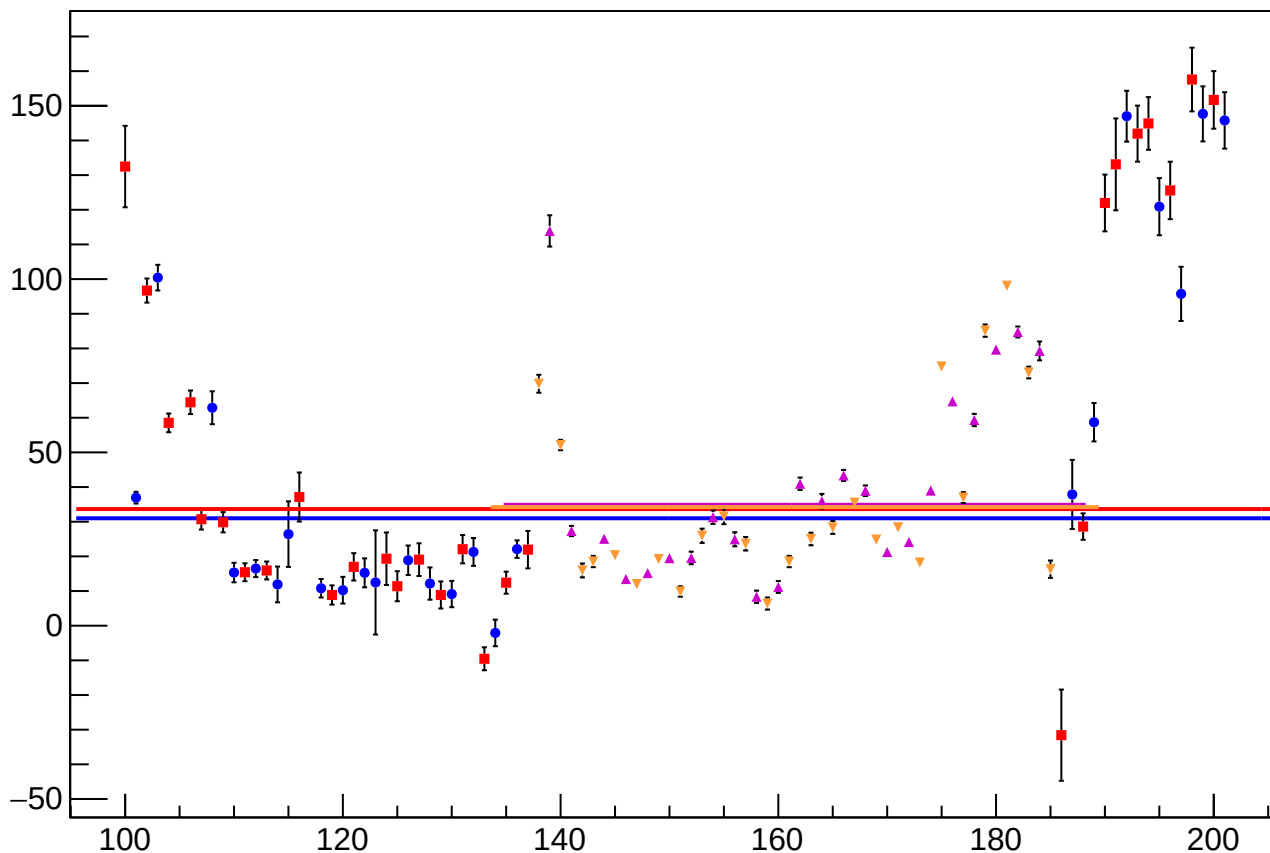
Left In: -82.711 ± 0.415 $\chi^2/\text{NDF}: 10841.4/22$

+ sign: -82.736 ± 0.401 $\chi^2/\text{NDF}: 14236.0/31$

All: -81.806 ± 0.285 $\chi^2/\text{NDF}: 26584.3/63$

- sign: -80.852 ± 0.406 $\chi^2/\text{NDF}: 12337.4/31$

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 30.994 $\pm$ 0.777 χ^2 /NDF: 1618.4/23

Left Out: 34.219 $\pm$ 0.320 χ^2 /NDF: 6192.6/24

Right Out: 33.652 $\pm$ 0.769 χ^2 /NDF: 2169.2/27

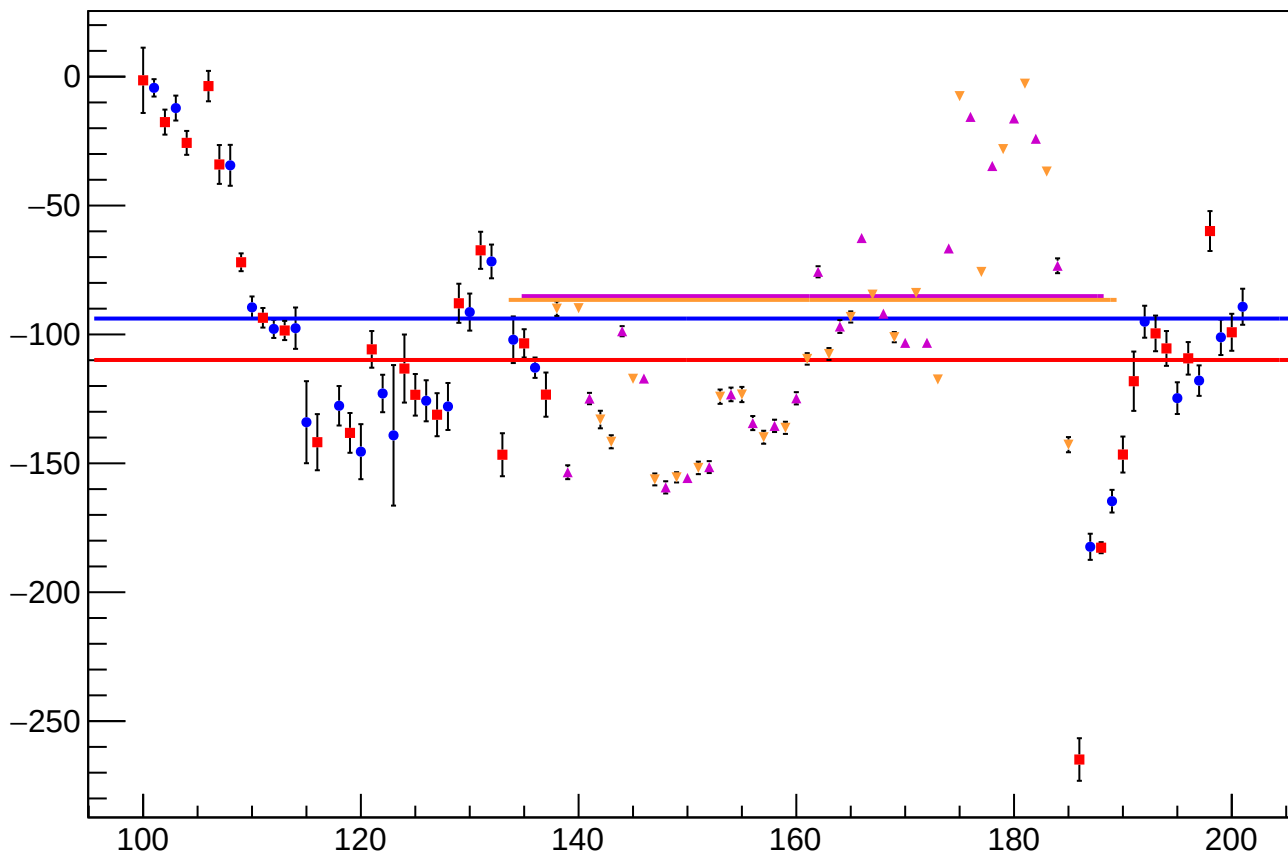
Left In: 34.870 $\pm$ 0.329 χ^2 /NDF: 4716.1/22

+ sign 33.751 $\pm$ 0.296 χ^2 /NDF: 7825.7/48

All: 34.206 $\pm$ 0.212 χ^2 /NDF: 14718.0/99

- sign 34.681 $\pm$ 0.303 χ^2 /NDF: 6887.4/50

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -93.833 ± 1.187 $\chi^2/\text{NDF}: 1791.7/23$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -109.905 ± 1.048 $\chi^2/\text{NDF}: 3017.9/27$

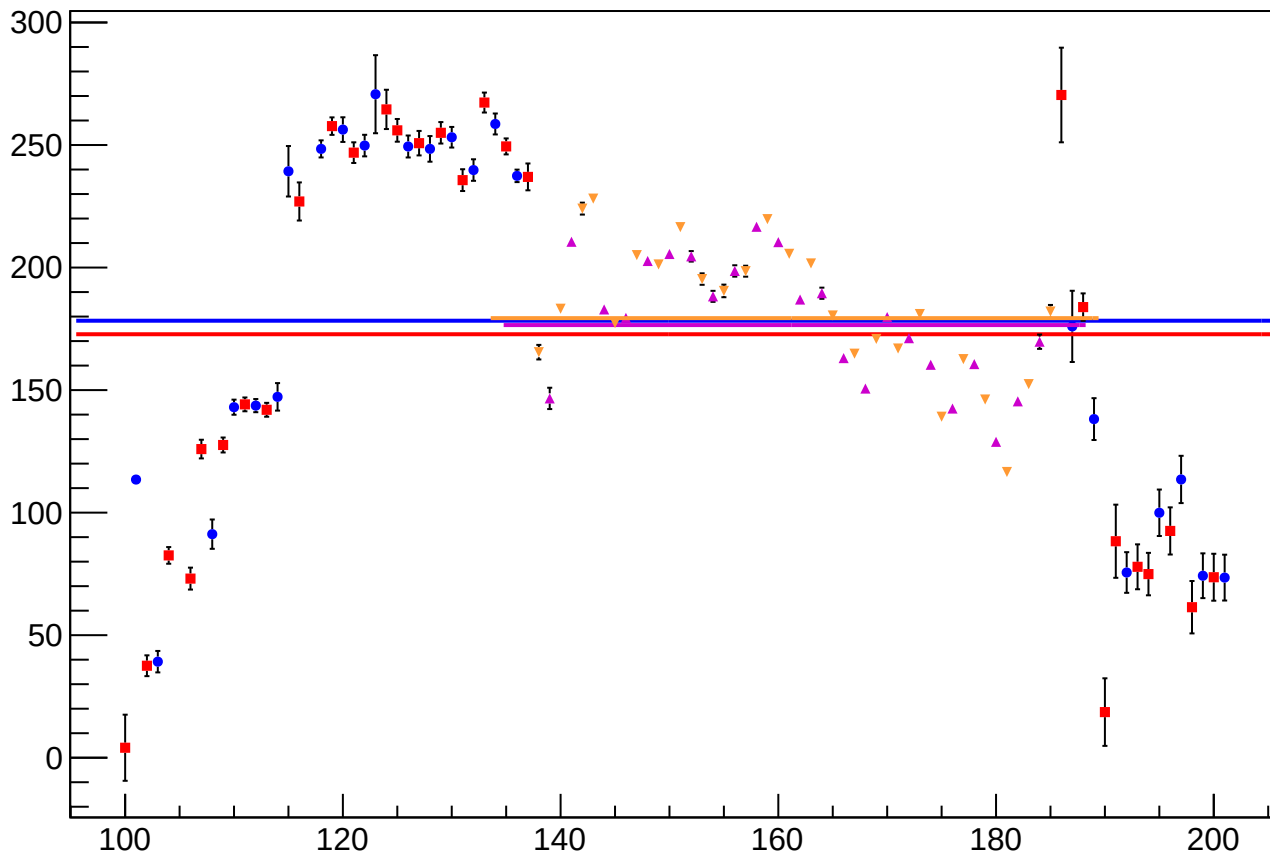
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -87.362 ± 0.386 $\chi^2/\text{NDF}: 16340.7/48$

All: -87.926 ± 0.273 $\chi^2/\text{NDF}: 32686.7/99$

- sign -88.490 ± 0.386 $\chi^2/\text{NDF}: 16341.8/50$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 178.309 ± 0.891 $\chi^2/\text{NDF}: 5893.7/23$

Left Out: 179.359 ± 0.362 $\chi^2/\text{NDF}: 5982.2/24$

Right Out: 172.791 ± 0.888 $\chi^2/\text{NDF}: 7073.6/27$

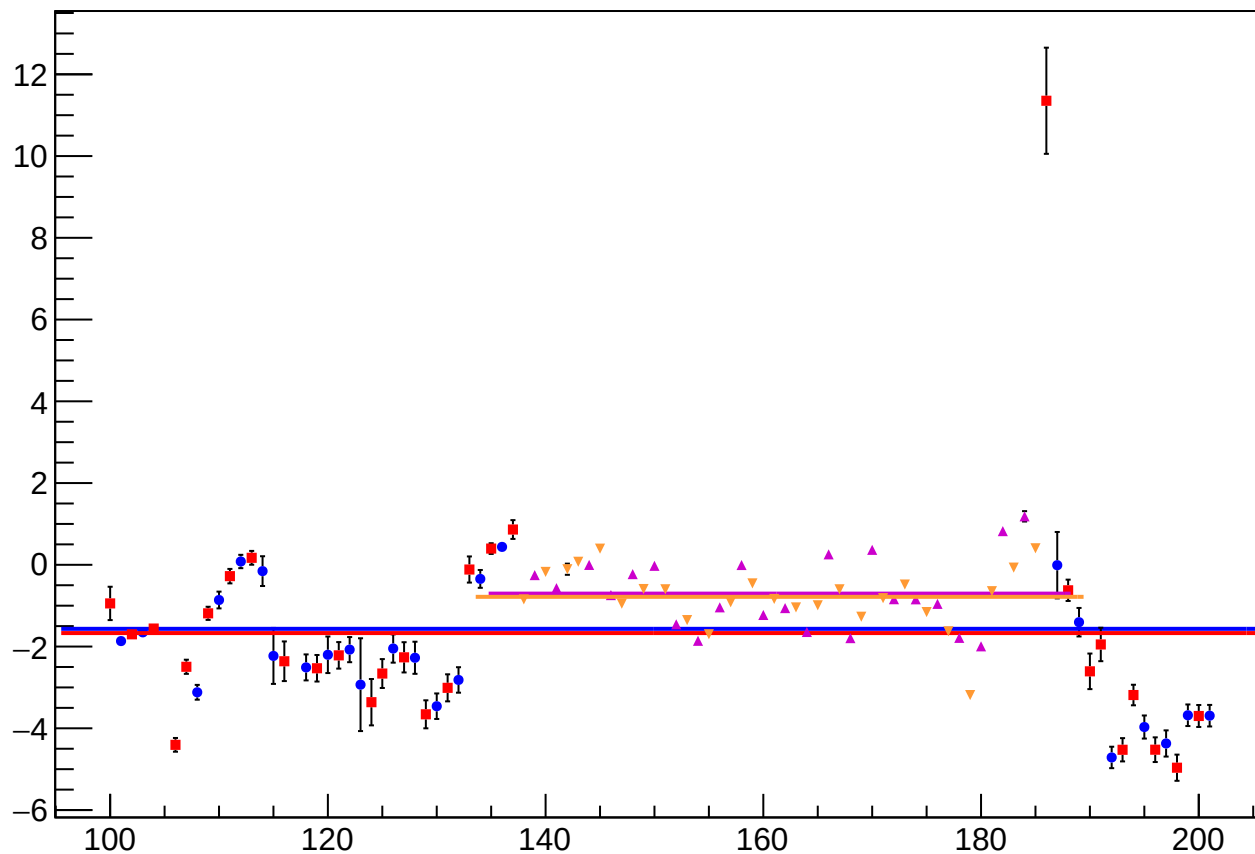
Left In: 176.531 ± 0.371 $\chi^2/\text{NDF}: 4426.0/22$

+ sign 179.211 ± 0.335 $\chi^2/\text{NDF}: 11877.2/48$

All: 177.626 ± 0.240 $\chi^2/\text{NDF}: 23437.4/99$

- sign 175.976 ± 0.342 $\chi^2/\text{NDF}: 11514.7/50$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.566 ± 0.044 χ^2/NDF : 1105.8/23

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.670 ± 0.042 χ^2/NDF : 1468.2/27

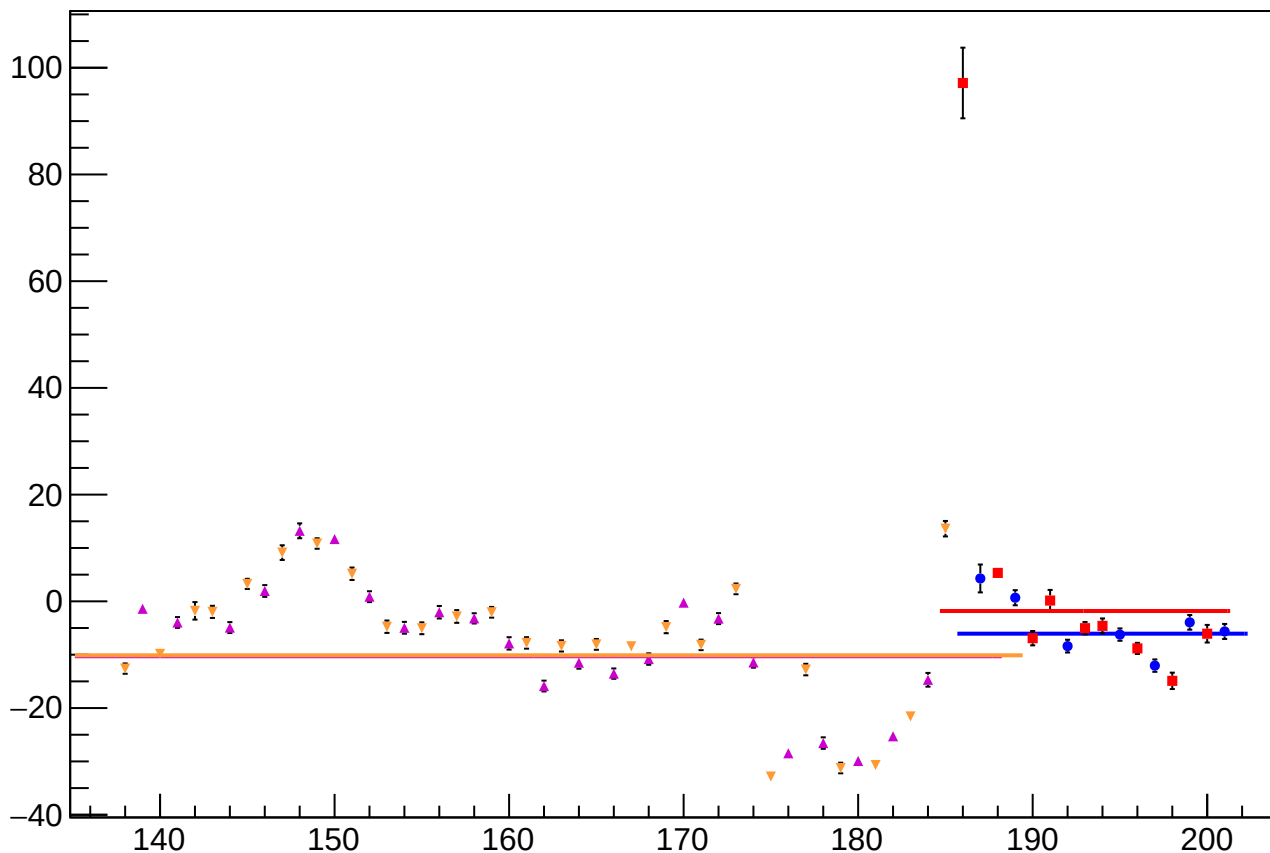
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.879 ± 0.016 χ^2/NDF : 3149.1/48

All: -0.859 ± 0.011 χ^2/NDF : 7481.3/99

- sign -0.839 ± 0.016 χ^2/NDF : 4328.9/50

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -6.061 ± 0.509 χ^2/NDF : 71.1/6

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.812 ± 0.400 χ^2/NDF : 499.4/8

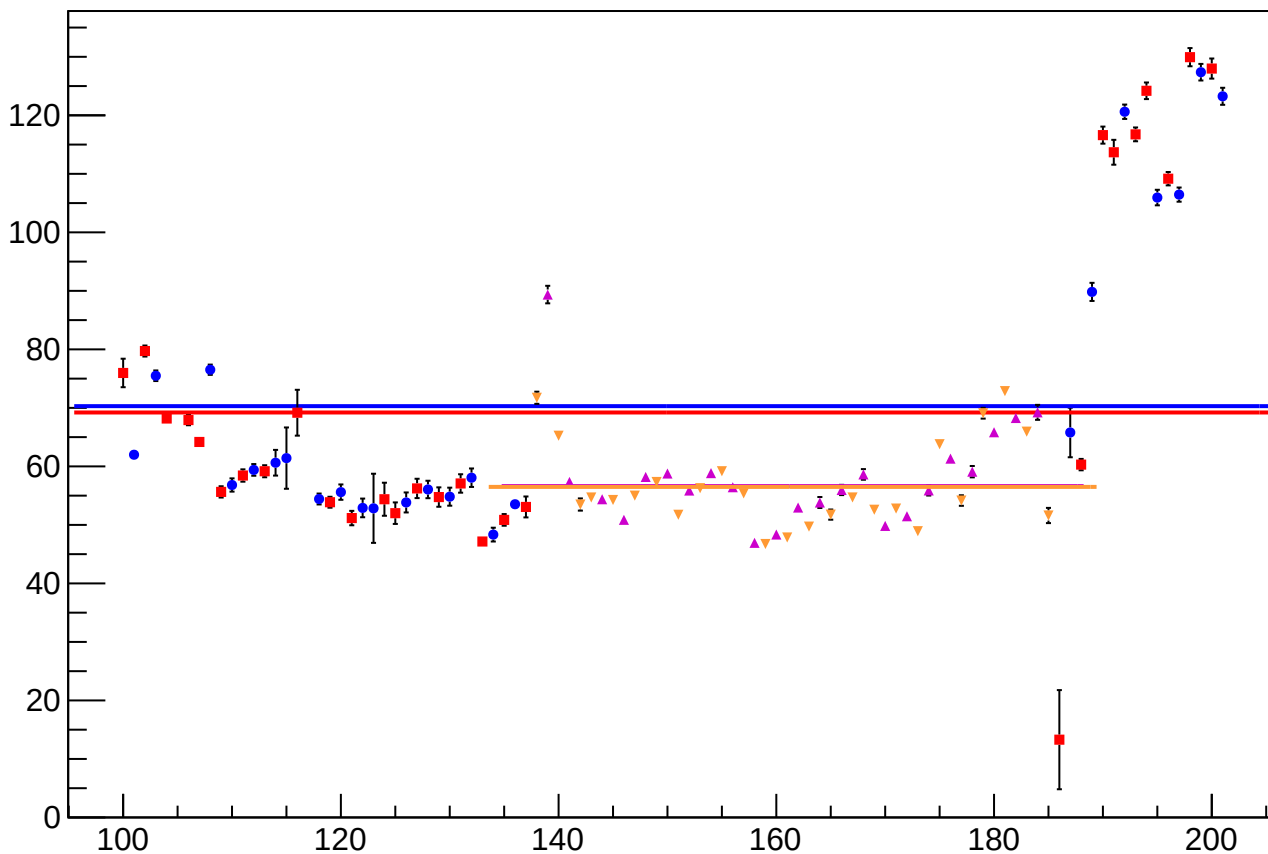
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -9.567 ± 0.187 χ^2/NDF : 4264.2/31

All: -9.033 ± 0.131 χ^2/NDF : 8585.4/63

- sign -8.524 ± 0.183 χ^2/NDF : 4305.2/31

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 70.296 $\pm$ 0.237 χ^2 /NDF: 8668.4/23

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF:1968.0/24

Right Out: 69.213 $\pm$ 0.219 χ^2 /NDF: 11546.9/27

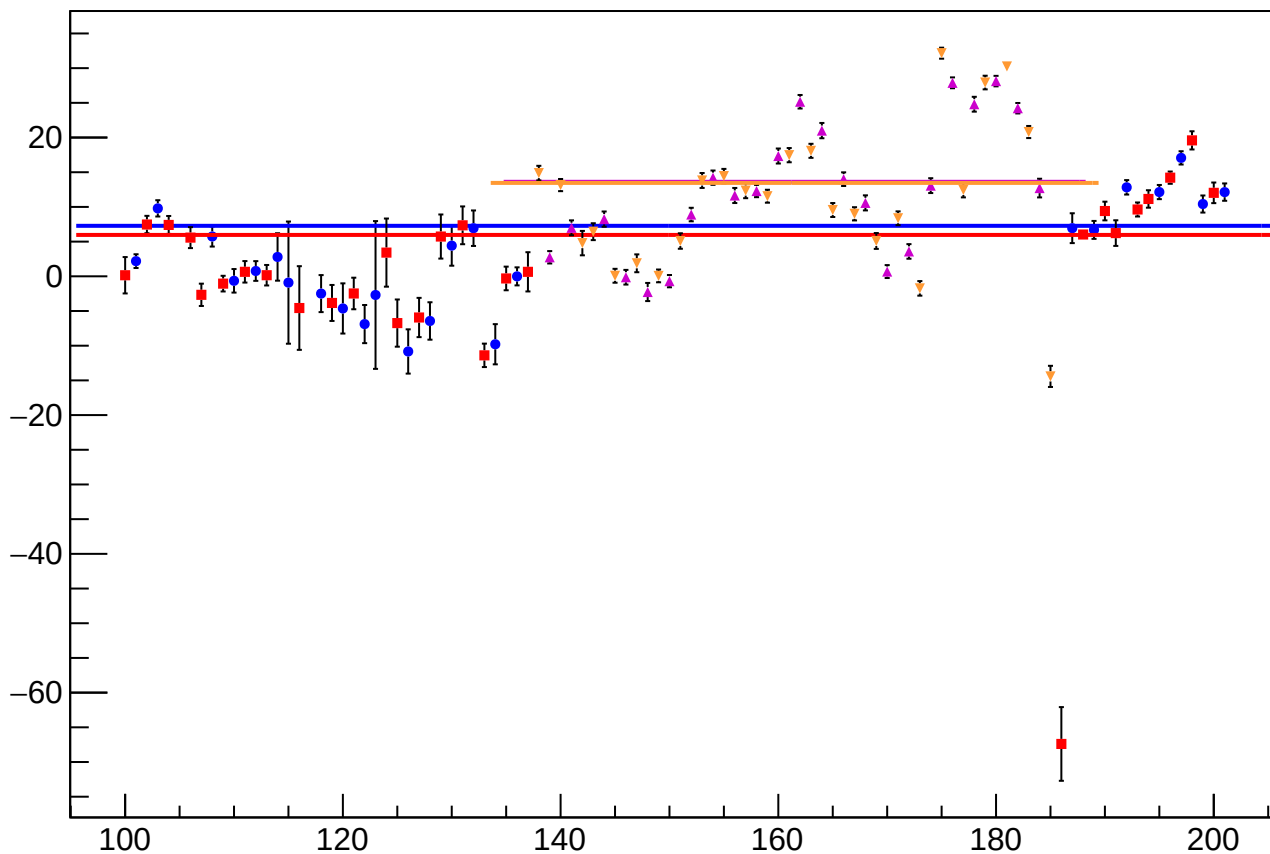
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 60.770 $\pm$ 0.132 χ^2 /NDF: 12973.3/48

All: 60.976 $\pm$ 0.093 χ^2 /NDF: 28230.0/99

- sign 61.181 $\pm$ 0.132 χ^2 /NDF: 15251.8/50

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.277 ± 0.319 χ^2/NDF : 432.0/23

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 5.964 ± 0.267 χ^2/NDF : 728.0/27

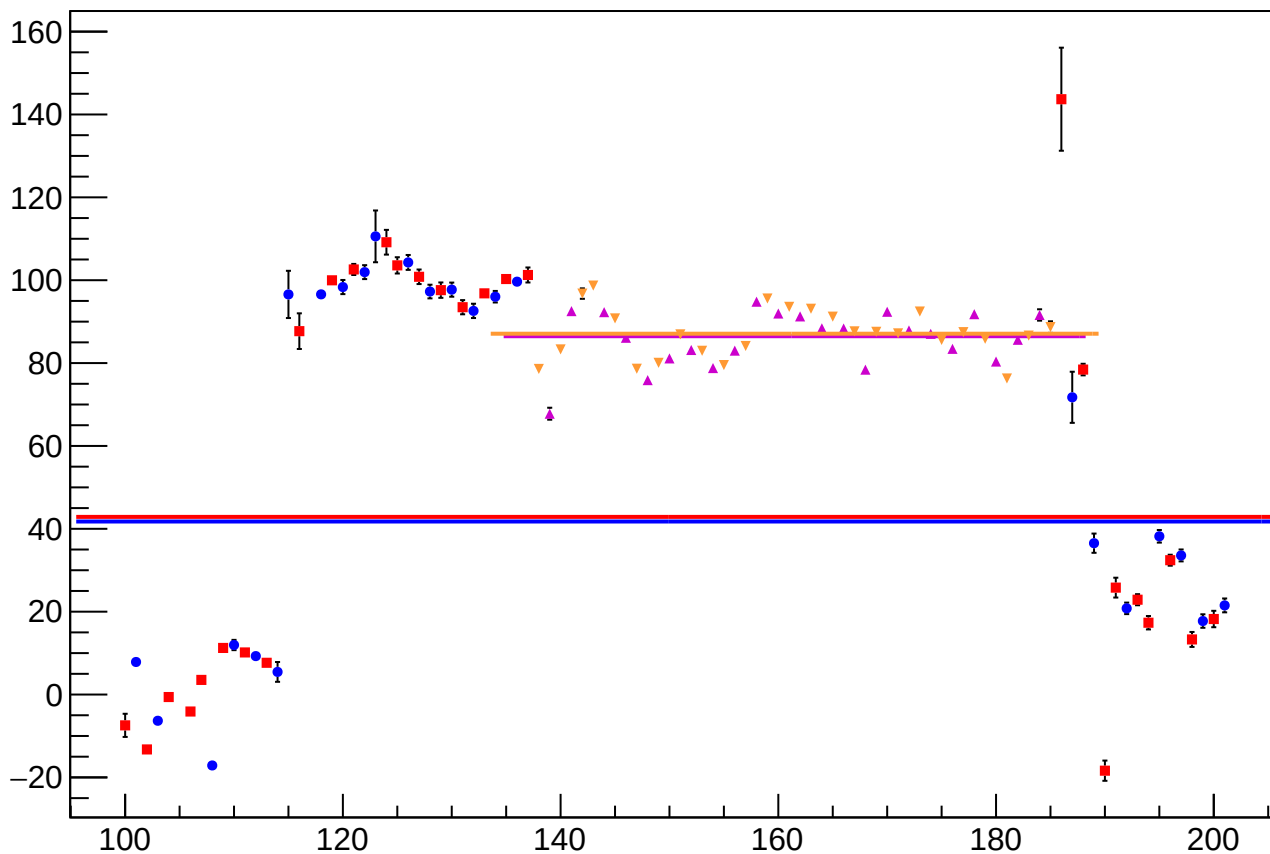
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.698 ± 0.170 χ^2/NDF : 3437.1/48

All: 11.220 ± 0.117 χ^2/NDF : 7014.3/99

- sign 10.787 ± 0.162 χ^2/NDF : 3562.2/50

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 41.764 $\pm$ 0.276 χ^2 /NDF: 25458.7/23

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 42.878 $\pm$ 0.260 χ^2 /NDF: 30680.6/27

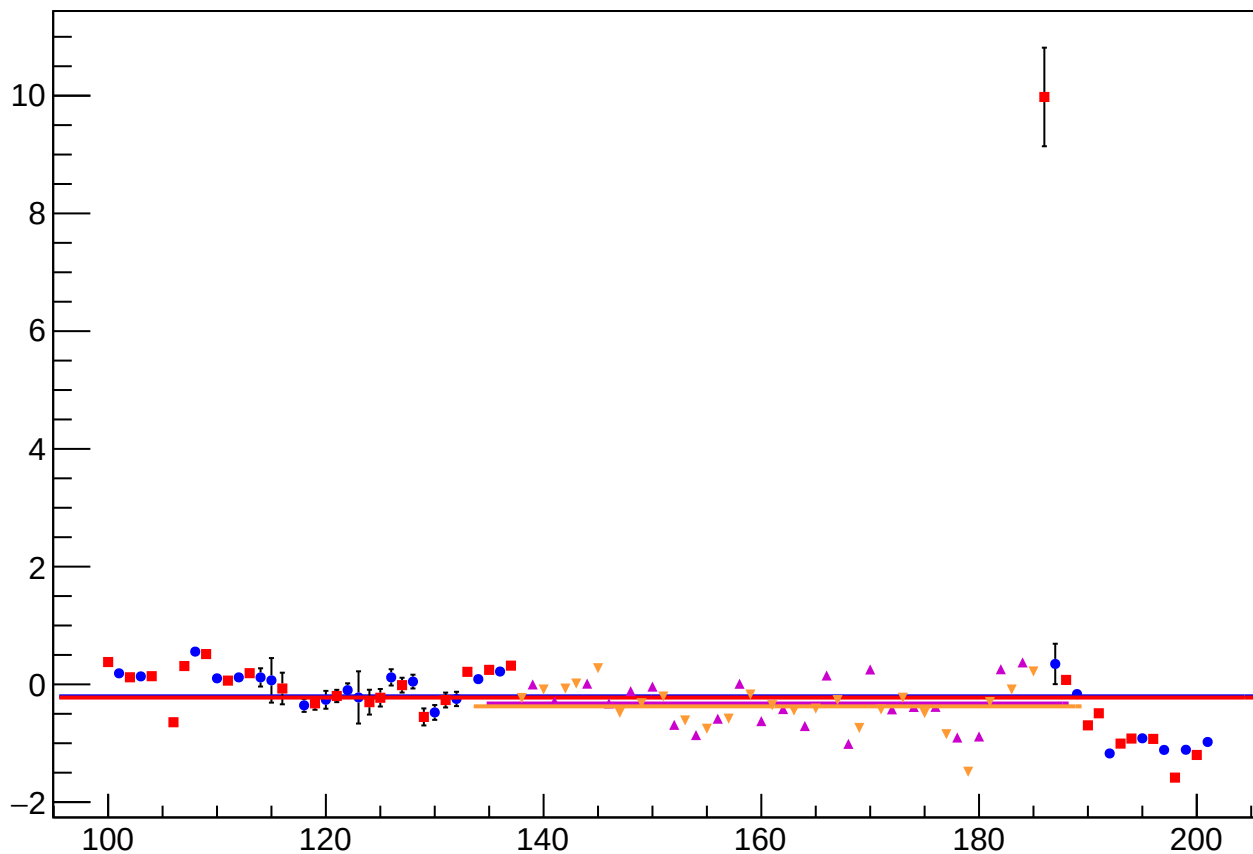
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 73.659 $\pm$ 0.150 χ^2 /NDF: 45522.1/48

All: 72.746 $\pm$ 0.106 χ^2 /NDF: 96025.9/99

- sign 71.830 $\pm$ 0.150 χ^2 /NDF: 50429.7/50

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.203 ± 0.011 χ^2/NDF : 2836.6/23

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.224 ± 0.011 χ^2/NDF : 3218.5/27

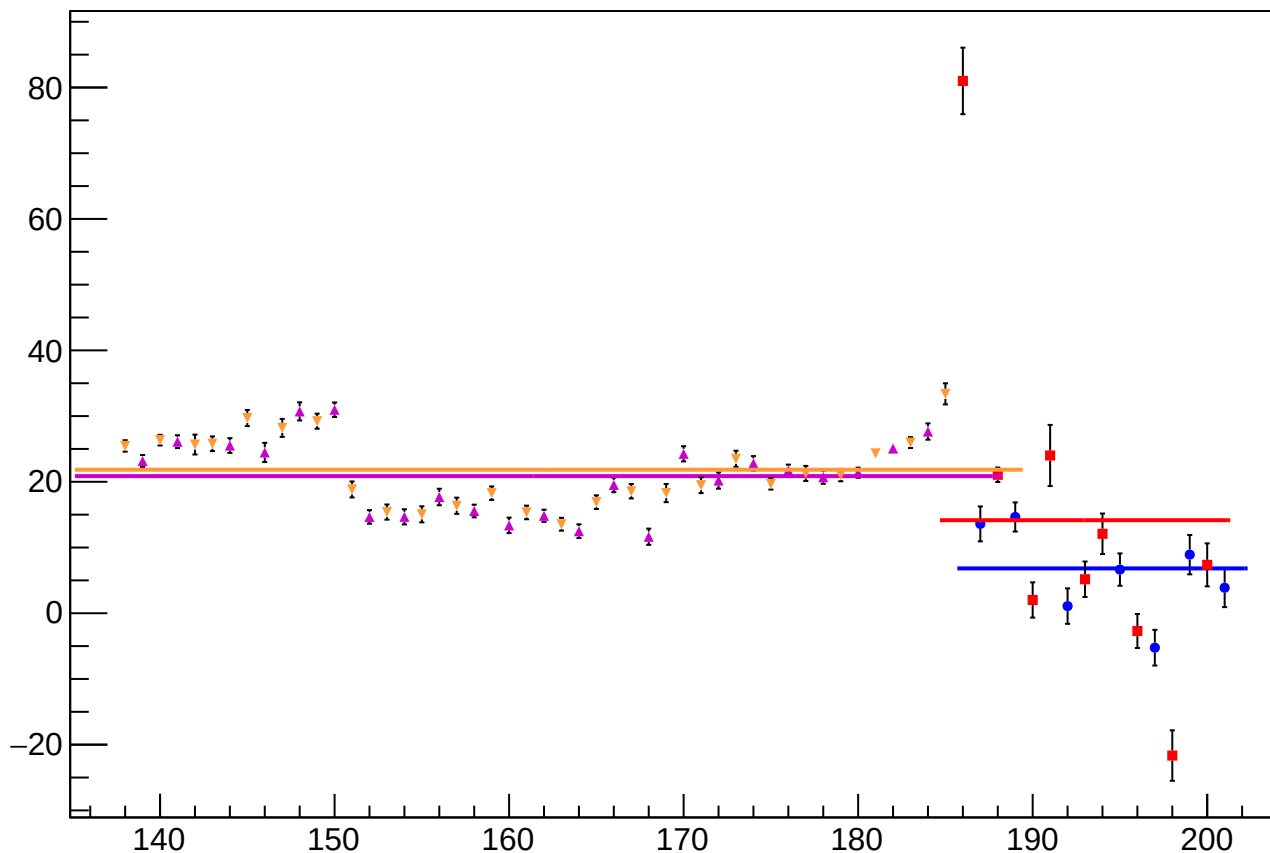
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.316 ± 0.007 χ^2/NDF : 4652.5/48

All: -0.301 ± 0.005 χ^2/NDF : 10221.5/99

- sign -0.287 ± 0.006 χ^2/NDF : 5559.3/50

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 6.821 $\pm$ 0.995 χ^2/NDF : 44.7/6

Left Out: 21.836 $\pm$ 0.210 χ^2/NDF : 524.3/24

Right Out: 14.153 $\pm$ 0.792 χ^2/NDF : 383.4/8

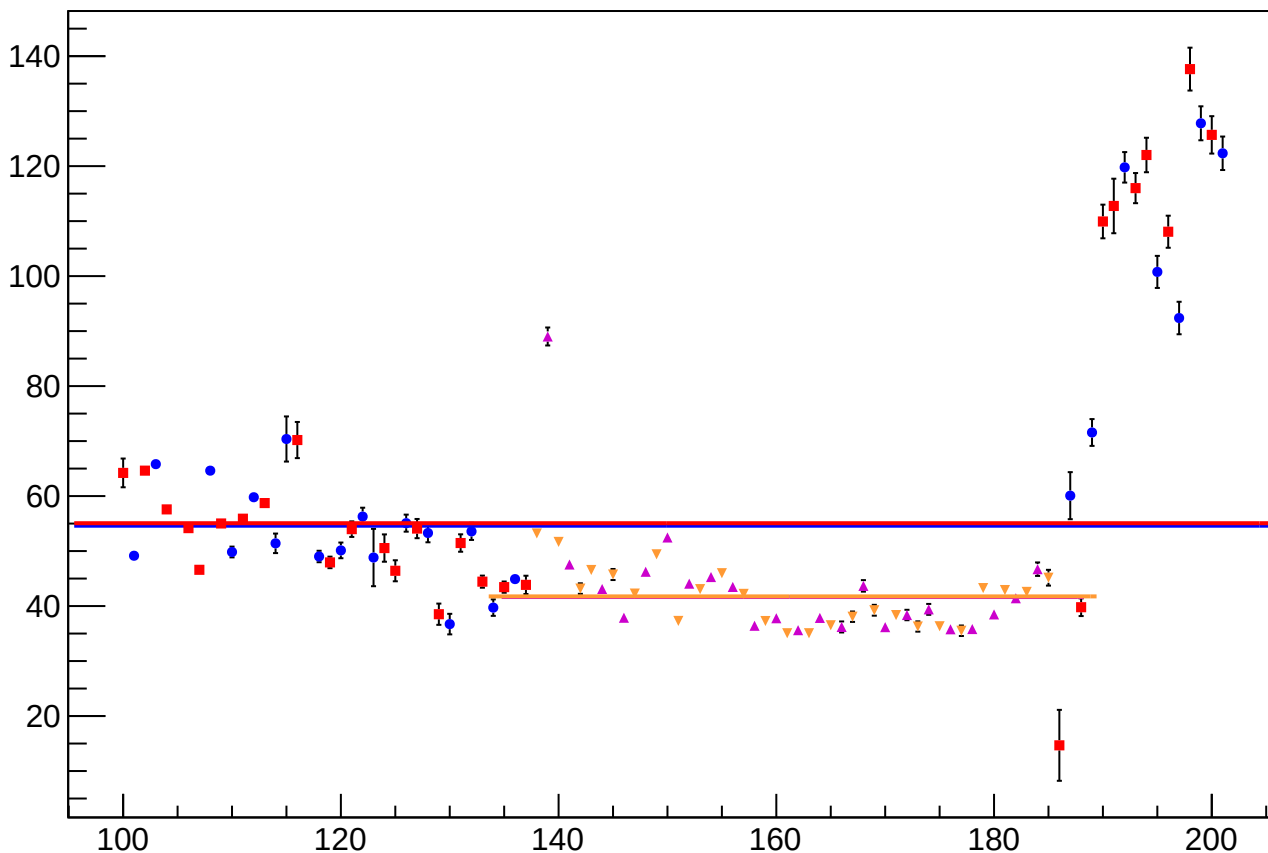
Left In: 20.866 $\pm$ 0.217 χ^2/NDF : 576.9/22

+ sign 21.197 $\pm$ 0.205 χ^2/NDF : 787.1/31

All: 20.805 $\pm$ 0.146 χ^2/NDF : 1821.7/63

- sign 20.399 $\pm$ 0.209 χ^2/NDF : 1027.1/31

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 54.614 $\pm$ 0.207 χ^2 /NDF: 3329.8/23

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 55.065 $\pm$ 0.221 χ^2 /NDF: 3682.4/27

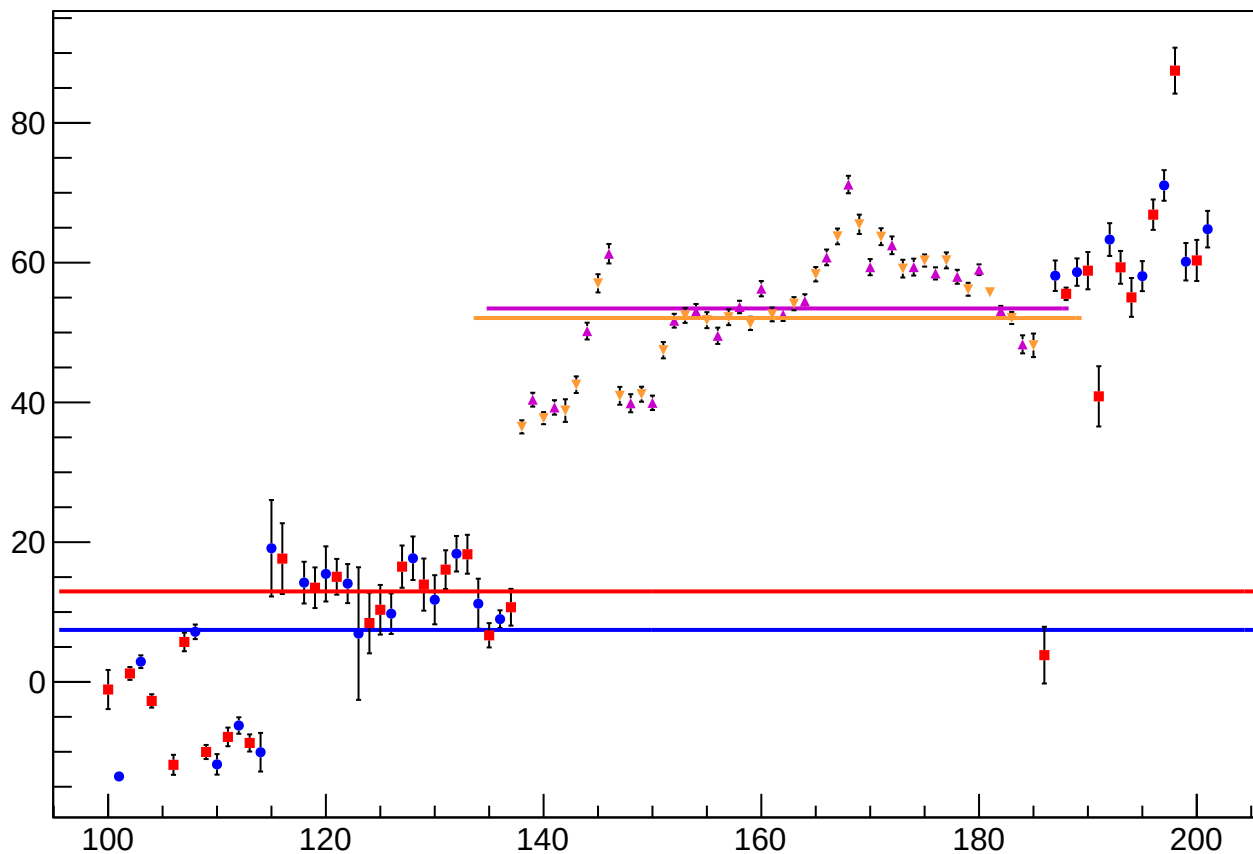
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 46.754 $\pm$ 0.129 χ^2 /NDF: 6694.9/48

All: 46.764 $\pm$ 0.094 χ^2 /NDF: 14269.3/99

- sign 46.775 $\pm$ 0.137 χ^2 /NDF: 7574.4/50

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 7.442 ± 0.336 χ^2/NDF : 5616.1/23

Left Out: 52.076 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: 12.952 ± 0.328 χ^2/NDF : 6509.4/27

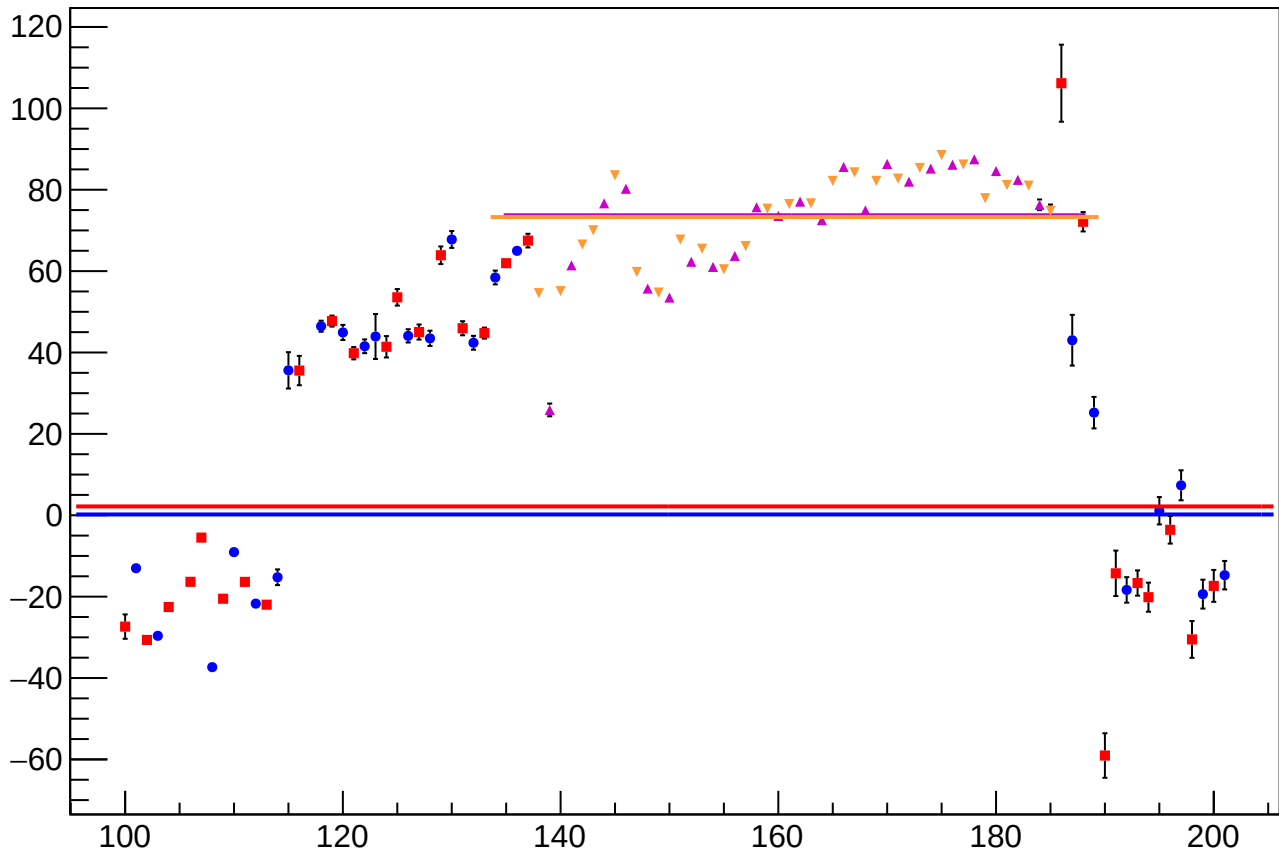
Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

+ sign 39.512 ± 0.178 χ^2/NDF : 19782.6/48

All: 40.383 ± 0.127 χ^2/NDF : 38138.1/99

- sign 41.275 ± 0.180 χ^2/NDF : 18307.1/50

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.197 ± 0.244 χ^2/NDF : 18396.5/23

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.171 ± 0.261 χ^2/NDF : 16686.0/27

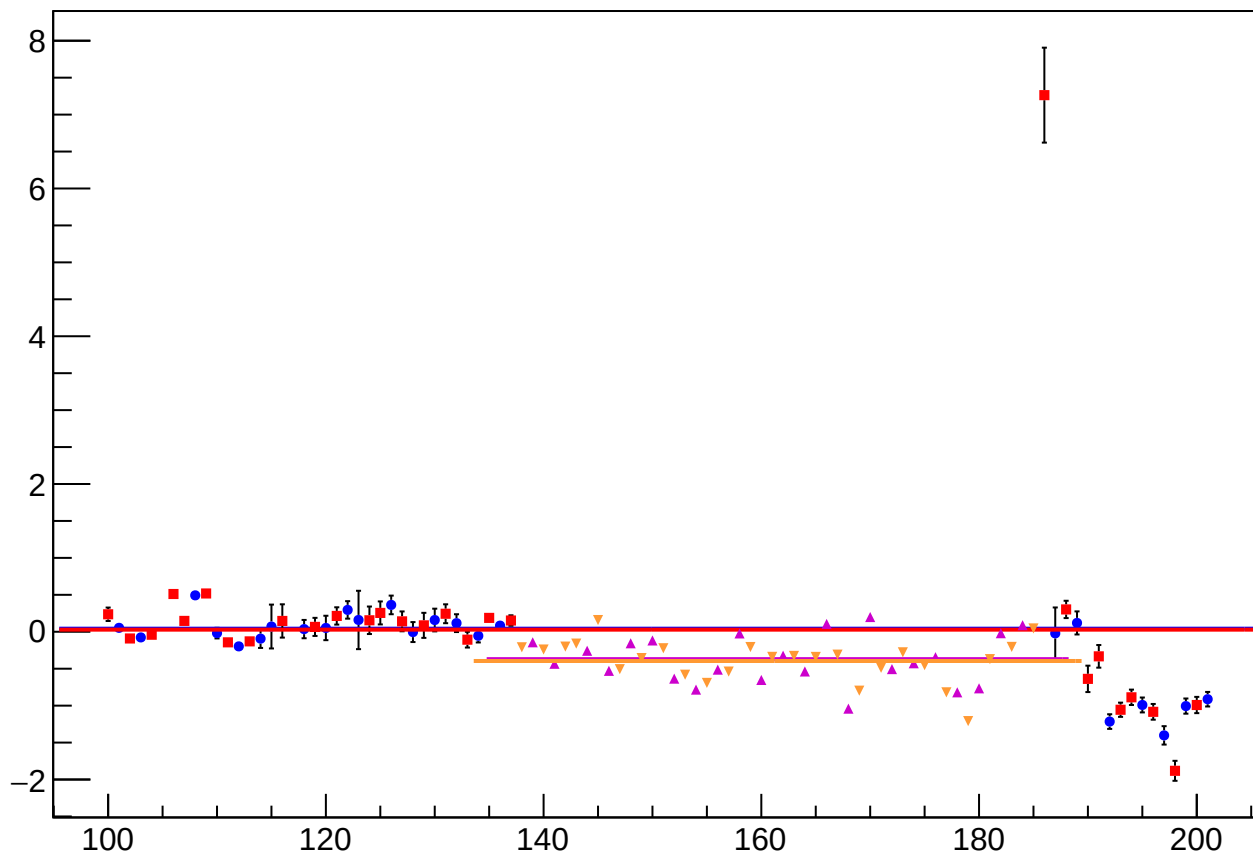
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.241 ± 0.148 χ^2/NDF : 78155.0/48

All: 47.172 ± 0.107 χ^2/NDF : 147071.8/99

- sign 48.201 ± 0.156 χ^2/NDF : 68833.9/50

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.042 ± 0.011 χ^2/NDF : 1032.0/23

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.029 ± 0.011 χ^2/NDF : 1170.1/27

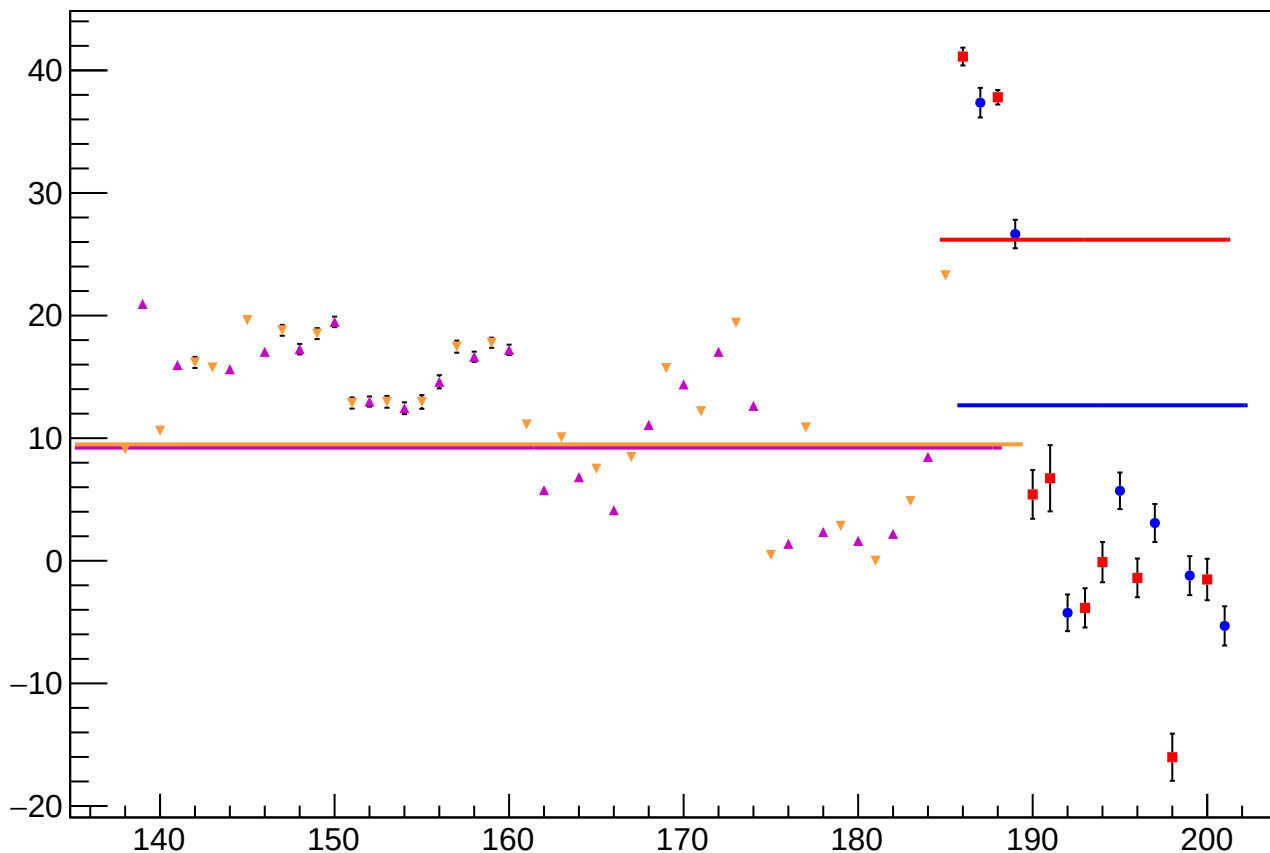
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.226 ± 0.007 χ^2/NDF : 3000.0/48

All: -0.218 ± 0.005 χ^2/NDF : 6328.6/99

- sign -0.211 ± 0.007 χ^2/NDF : 3326.2/50

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 12.681+/-0.533 χ^2/NDF : 953.2/6

Left Out: 9.495+/-0.061 χ^2/NDF : 12609.1/24

Right Out: 26.189+/-0.380 χ^2/NDF : 2633.5/8

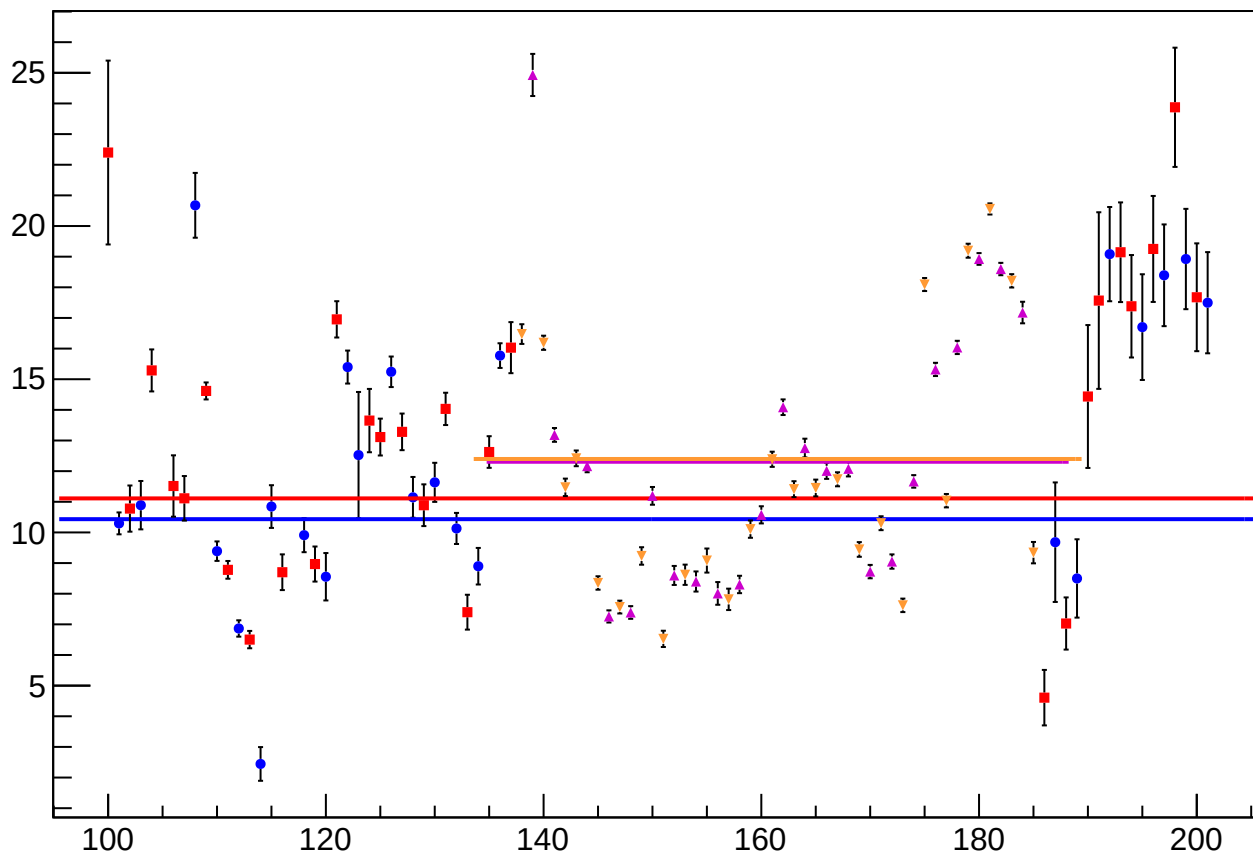
Left In: 9.231+/-0.063 χ^2/NDF : 10736.2/22

+ sign 9.536+/-0.061 χ^2/NDF : 13597.7/31

All: 9.609+/-0.043 χ^2/NDF : 28909.3/63

- sign 9.685+/-0.062 χ^2/NDF : 15308.8/31

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.433 ± 0.117 $\chi^2/\text{NDF}: 984.0/23$

Left Out: 12.397 ± 0.050 $\chi^2/\text{NDF}: 7542.8/24$

Right Out: 11.110 ± 0.113 $\chi^2/\text{NDF}: 1015.9/27$

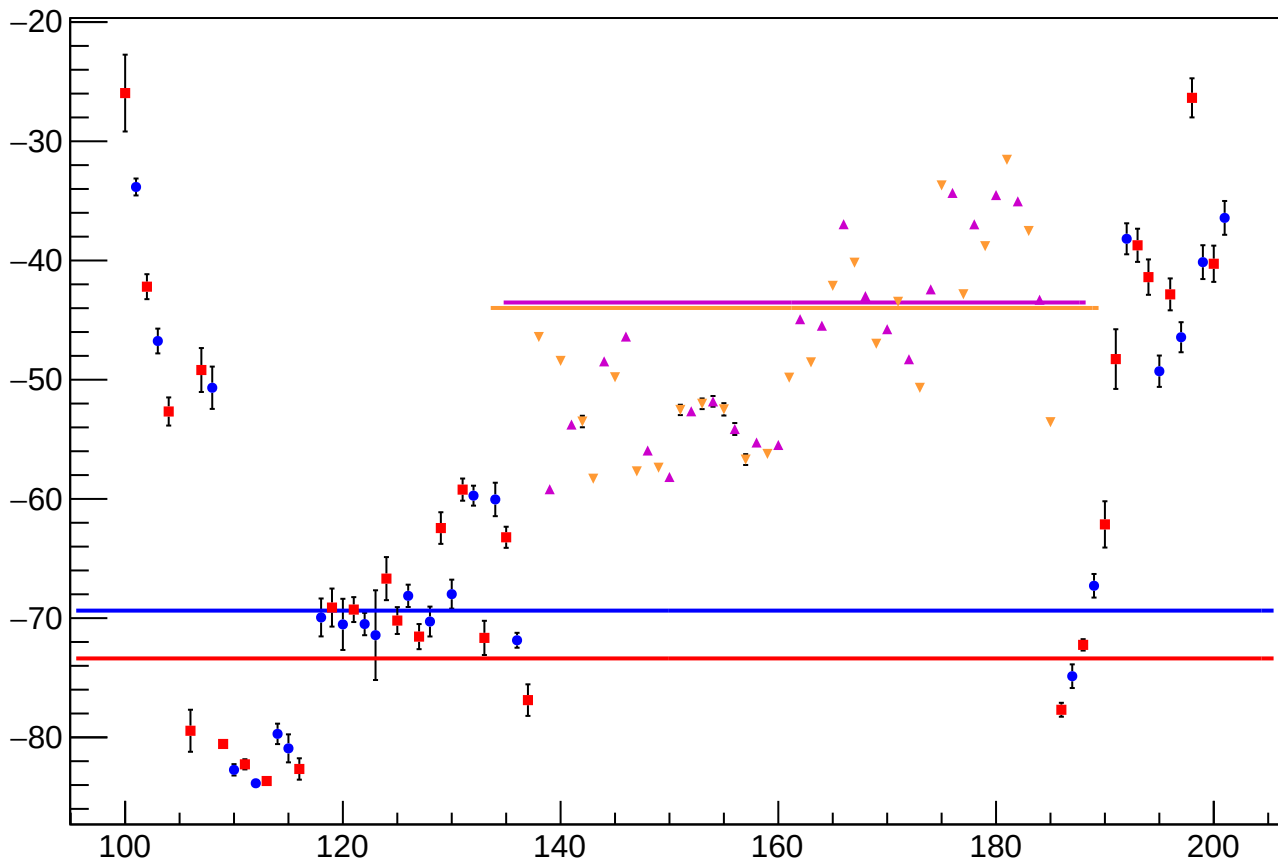
Left In: 12.307 ± 0.051 $\chi^2/\text{NDF}: 5601.8/22$

+ sign 12.098 ± 0.046 $\chi^2/\text{NDF}: 8764.3/48$

All: 12.101 ± 0.033 $\chi^2/\text{NDF}: 15474.9/99$

- sign 12.103 ± 0.047 $\chi^2/\text{NDF}: 6710.7/50$

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -69.369 ± 0.182 $\chi^2/\text{NDF}: 7904.3/23$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -73.380 ± 0.157 $\chi^2/\text{NDF}: 6767.5/27$

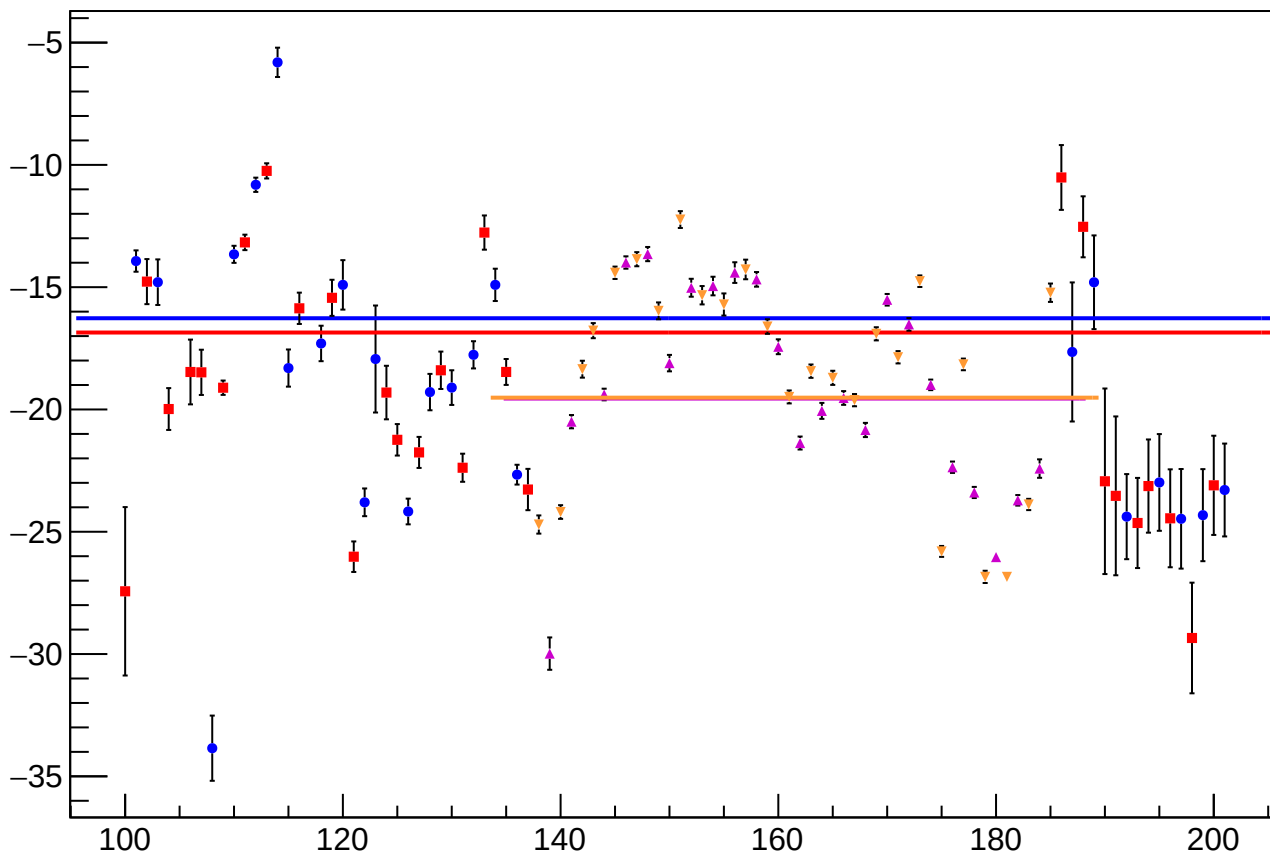
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -46.619 ± 0.059 $\chi^2/\text{NDF}: 43095.5/48$

All: -47.158 ± 0.041 $\chi^2/\text{NDF}: 96385.8/99$

- sign -47.698 ± 0.059 $\chi^2/\text{NDF}: 53121.3/50$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.270 ± 0.131 χ^2/NDF : 1704.9/23

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.854 ± 0.126 χ^2/NDF : 1336.4/27

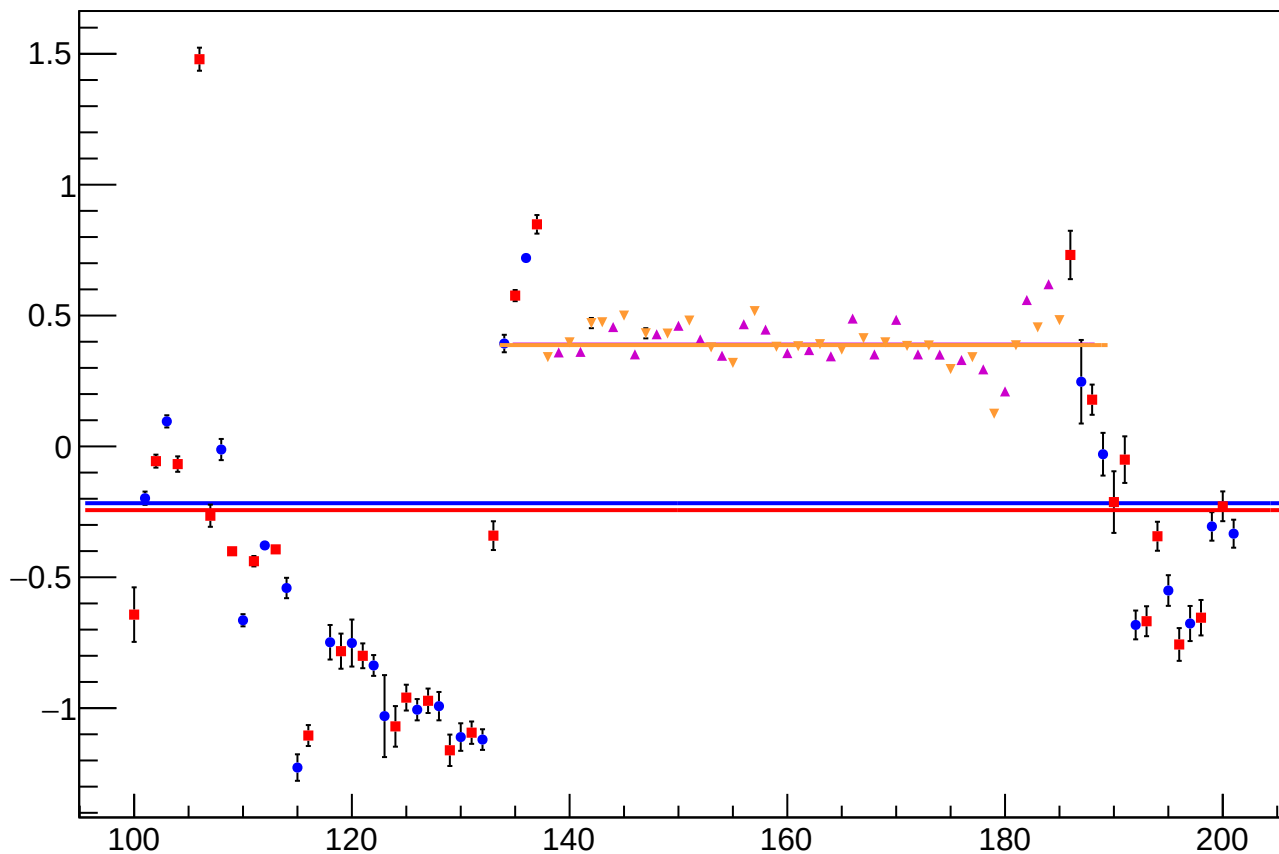
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.018 ± 0.051 χ^2/NDF : 8744.8/48

All: -19.053 ± 0.037 χ^2/NDF : 14775.7/99

- sign -19.089 ± 0.052 χ^2/NDF : 6029.9/50

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.217 ± 0.007 χ^2/NDF : 6496.6/23

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.243 ± 0.007 χ^2/NDF : 6509.2/27

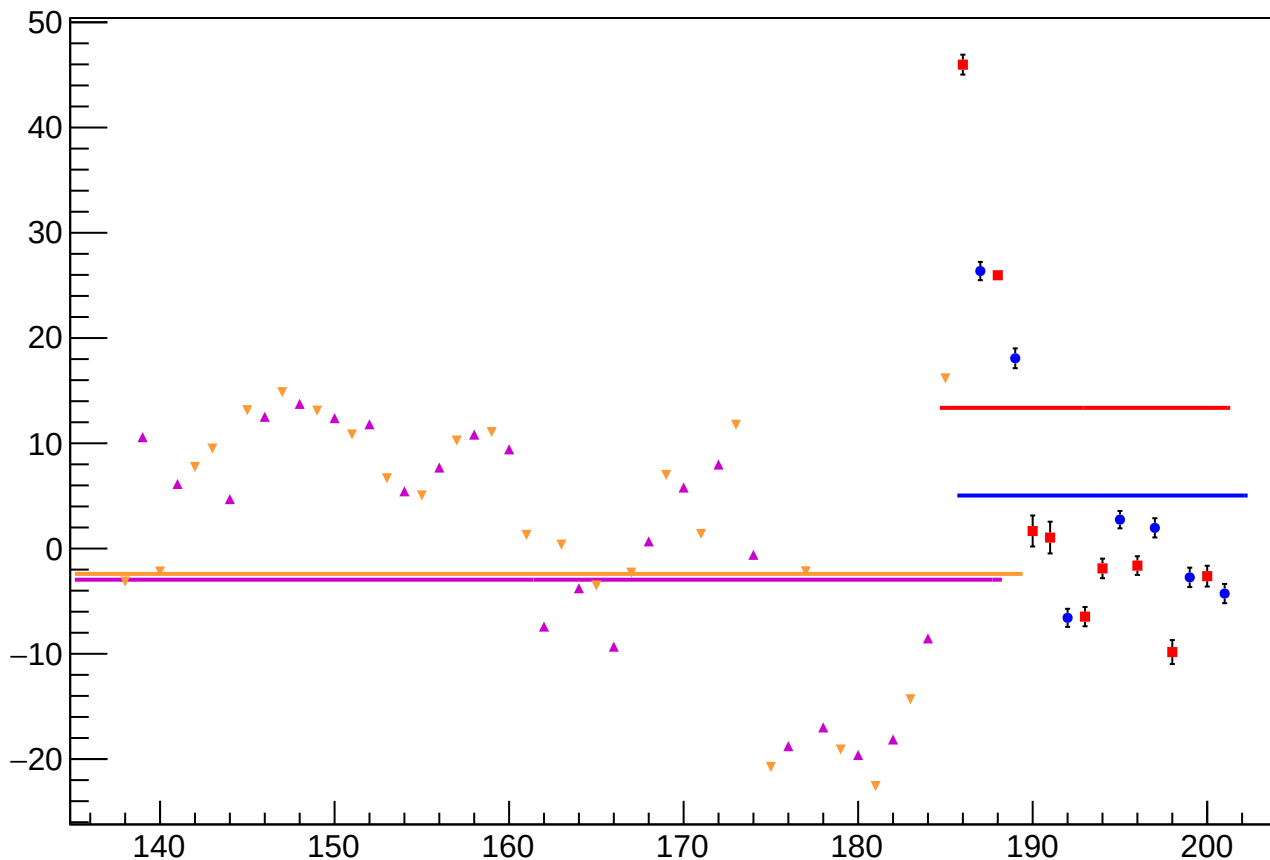
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.320 ± 0.002 χ^2/NDF : 13724.6/48

All: 0.314 ± 0.002 χ^2/NDF : 28970.2/99

- sign 0.308 ± 0.002 χ^2/NDF : 15234.5/50

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 5.038 $\pm$ 0.336 χ^2 /NDF: 1172.9/6

Left Out: -2.407 $\pm$ 0.053 χ^2 /NDF: 56368.5/24

Right Out: 13.369 $\pm$ 0.279 χ^2 /NDF: 3878.3/8

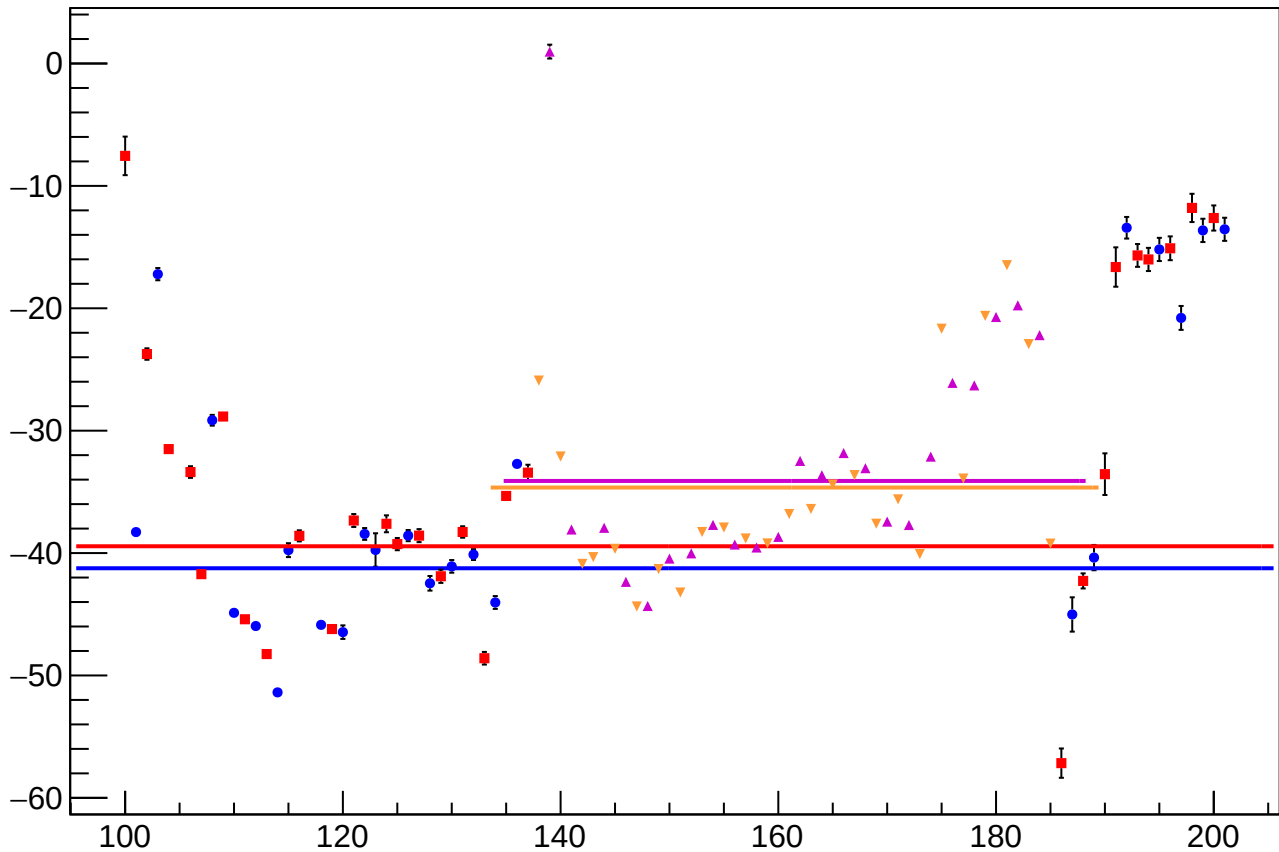
Left In: -2.959 $\pm$ 0.055 χ^2 /NDF: 45922.6/22

+ sign -2.228 $\pm$ 0.052 χ^2 /NDF: 58020.4/31

All: -2.287 $\pm$ 0.037 χ^2 /NDF: 111129.9/63

- sign -2.350 $\pm$ 0.054 χ^2 /NDF: 53106.9/31

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -41.241 ± 0.077 χ^2/NDF : 10578.8/23

Left Out: -34.646 ± 0.042 χ^2/NDF : 34674.7/24

Right Out: -39.444 ± 0.071 χ^2/NDF : 14990.4/27

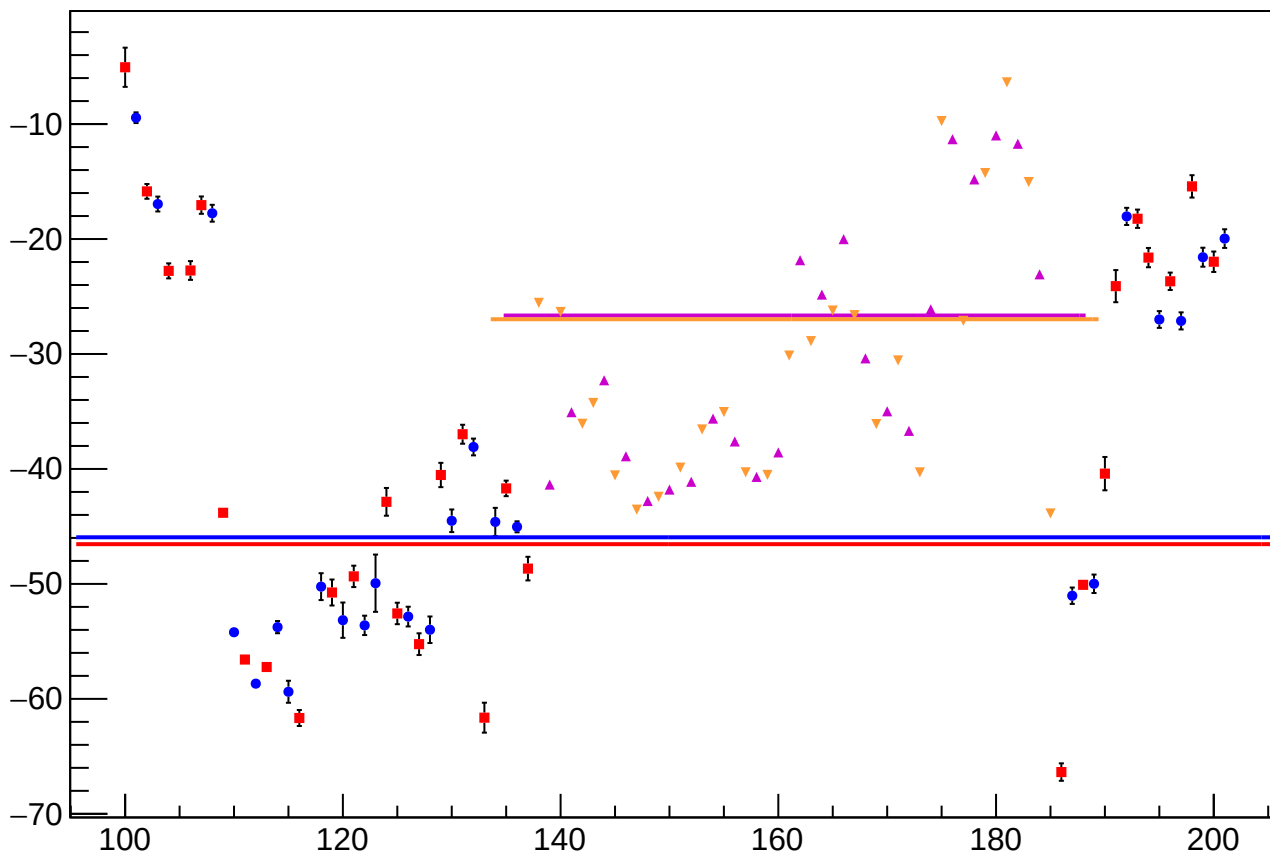
Left In: -34.108 ± 0.044 χ^2/NDF : 29052.8/22

+ sign -36.160 ± 0.037 χ^2/NDF : 50975.5/48

All: -35.877 ± 0.026 χ^2/NDF : 99213.4/99

- sign -35.583 ± 0.037 χ^2/NDF : 48116.7/50

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -45.945 ± 0.115 $\chi^2/\text{NDF}: 19842.8/23$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -46.543 ± 0.098 $\chi^2/\text{NDF}: 17846.4/27$

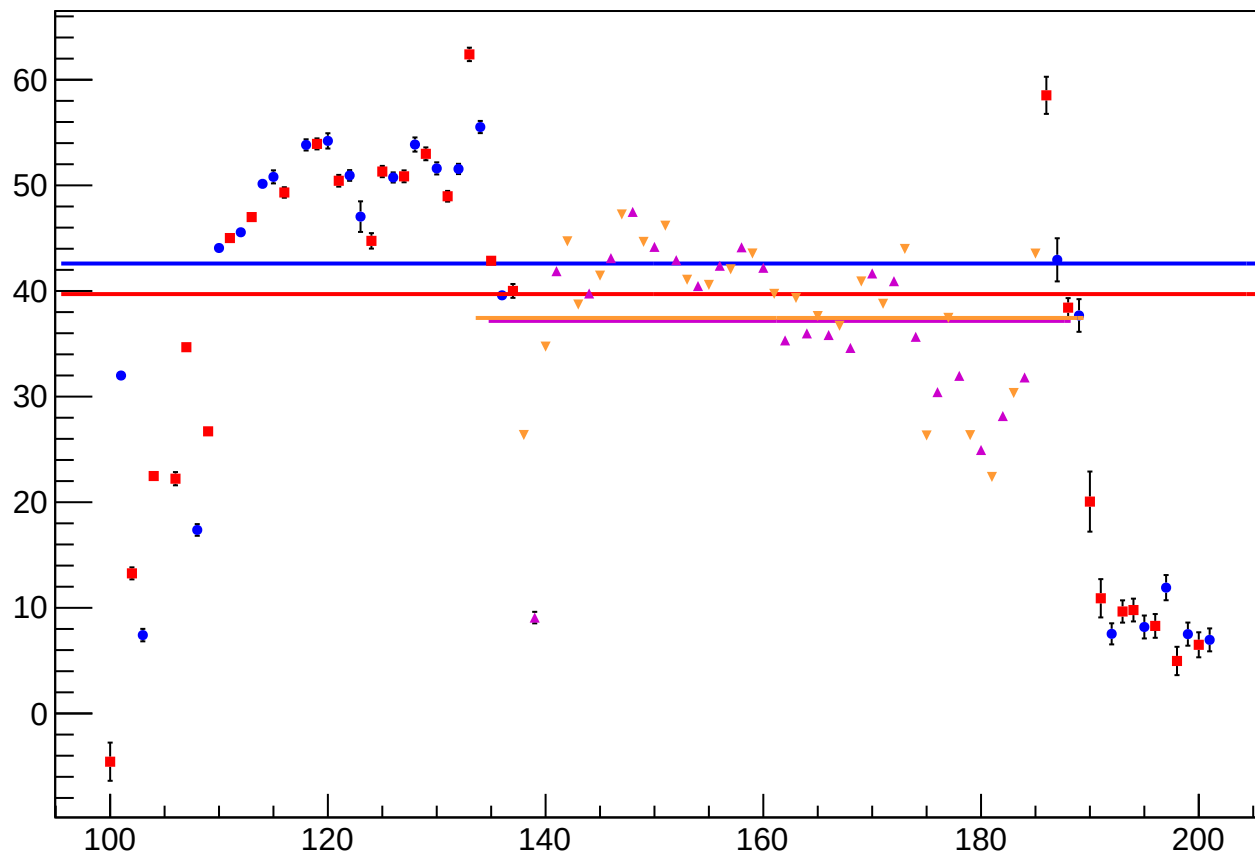
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.340 ± 0.048 $\chi^2/\text{NDF}: 91746.6/48$

All: -30.895 ± 0.034 $\chi^2/\text{NDF}: 183512.2/99$

- sign -31.441 ± 0.048 $\chi^2/\text{NDF}: 91503.2/50$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.600 $\pm$ 0.085 χ^2 /NDF: 15742.6/23

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 39.706 $\pm$ 0.079 χ^2 /NDF: 21914.7/27

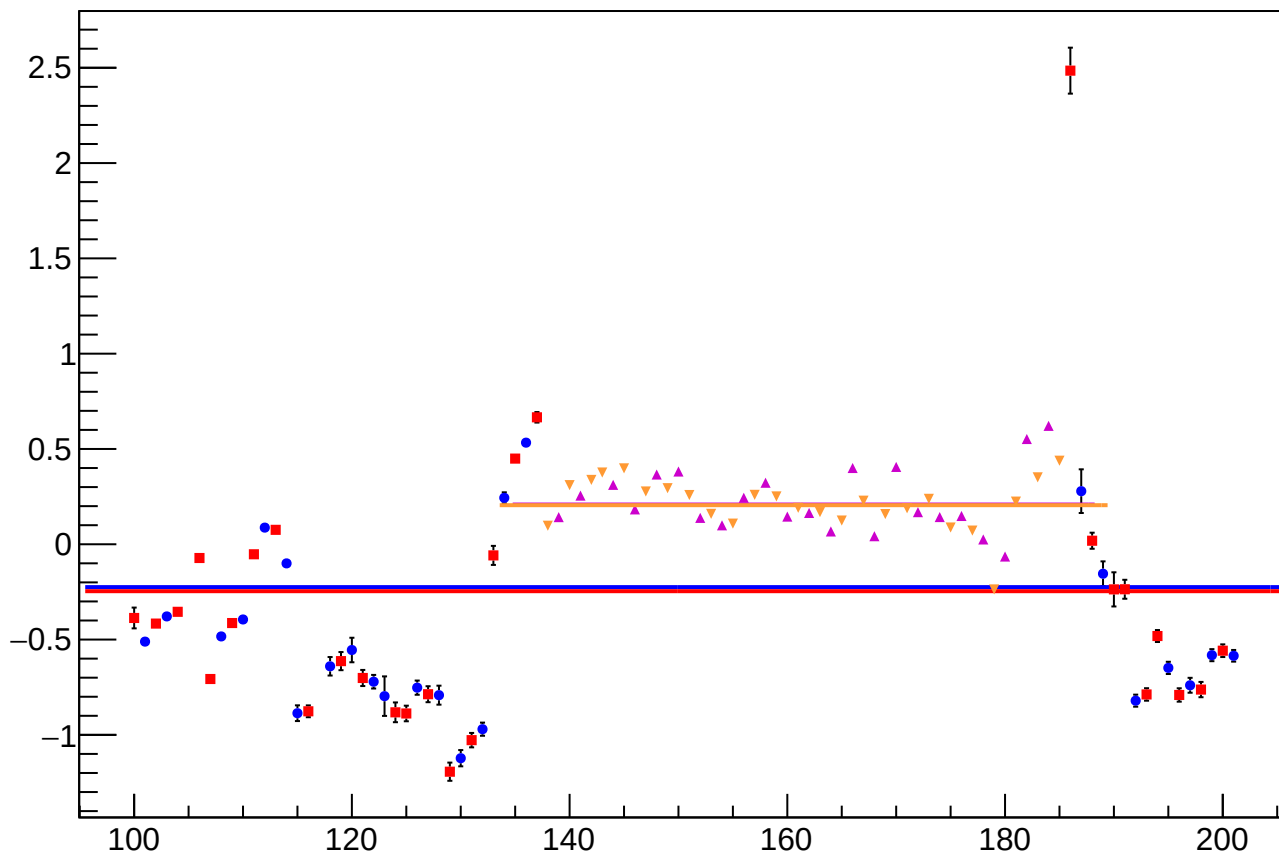
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.650 $\pm$ 0.041 χ^2 /NDF: 40100.3/48

All: 38.271 $\pm$ 0.029 χ^2 /NDF: 80168.1/99

- sign 37.882 $\pm$ 0.042 χ^2 /NDF: 39897.2/50

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.225 ± 0.005 χ^2/NDF : 8440.6/23

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.246 ± 0.004 χ^2/NDF : 8832.4/27

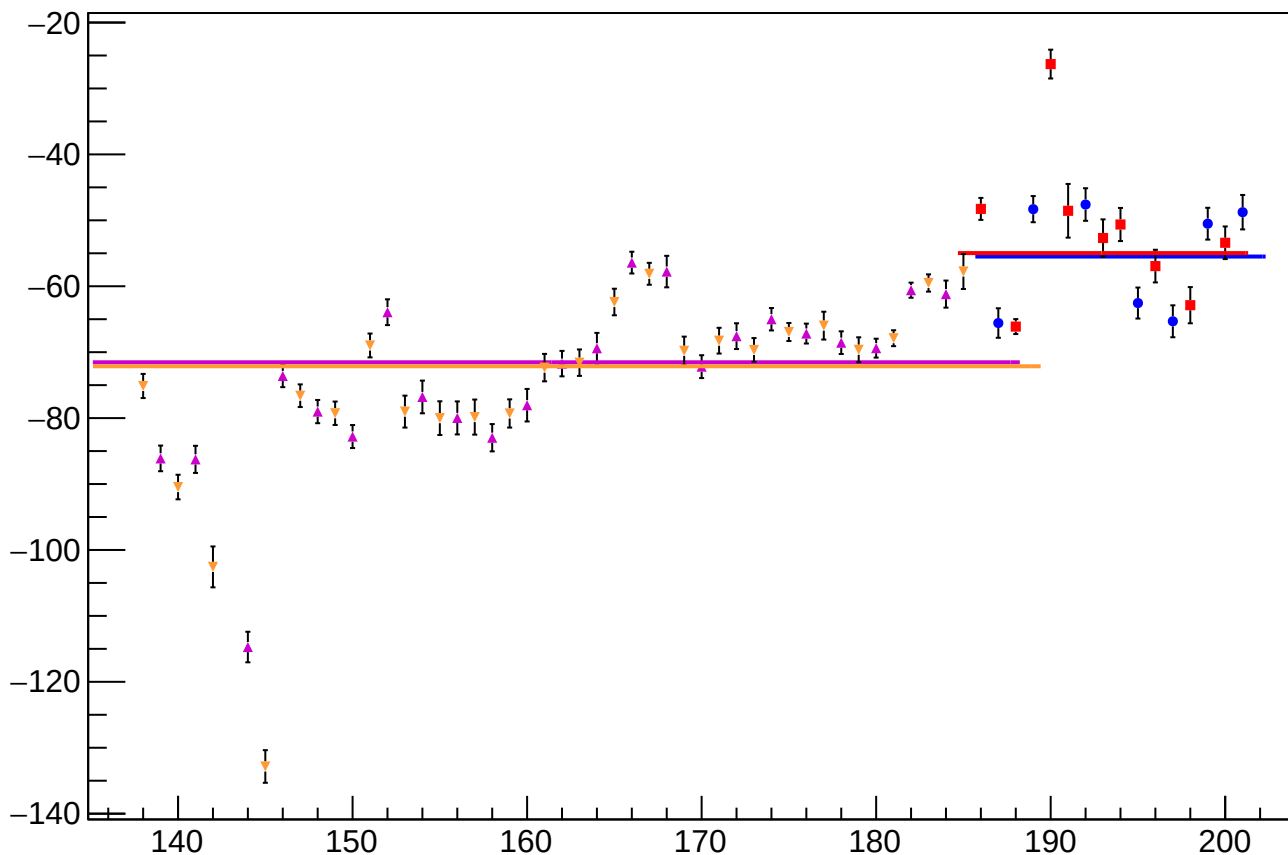
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.126 ± 0.002 χ^2/NDF : 19443.3/48

All: 0.115 ± 0.001 χ^2/NDF : 42886.4/99

- sign 0.104 ± 0.002 χ^2/NDF : 23377.5/50

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -55.494 ± 0.881 χ^2/NDF : 80.0/6

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -54.969 ± 0.682 χ^2/NDF : 300.2/8

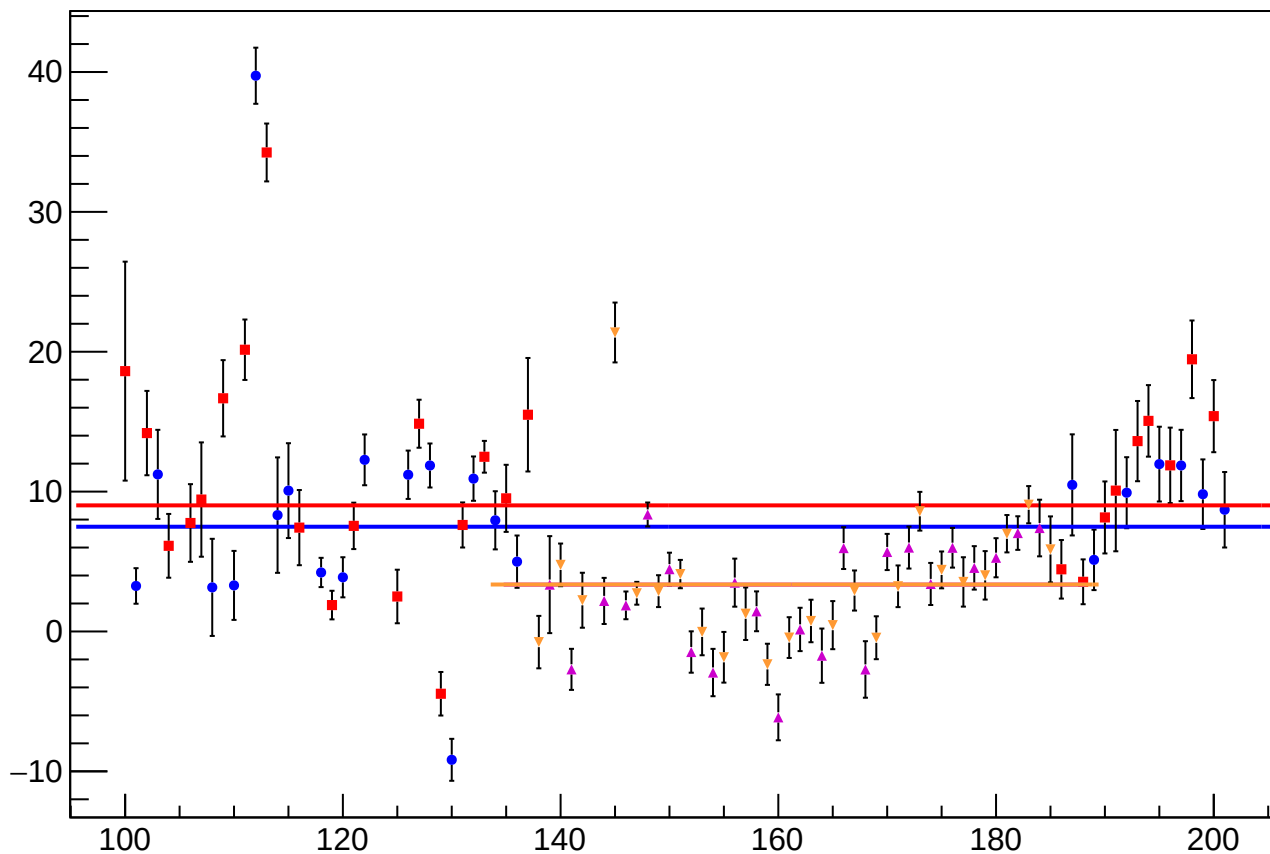
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -69.496 ± 0.351 χ^2/NDF : 1501.3/30

All: -68.490 ± 0.242 χ^2/NDF : 3117.6/62

- sign -67.584 ± 0.333 χ^2/NDF : 1600.7/31

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.402 χ^2/NDF : 450.8/22

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 9.015 ± 0.393 χ^2/NDF : 396.0/26

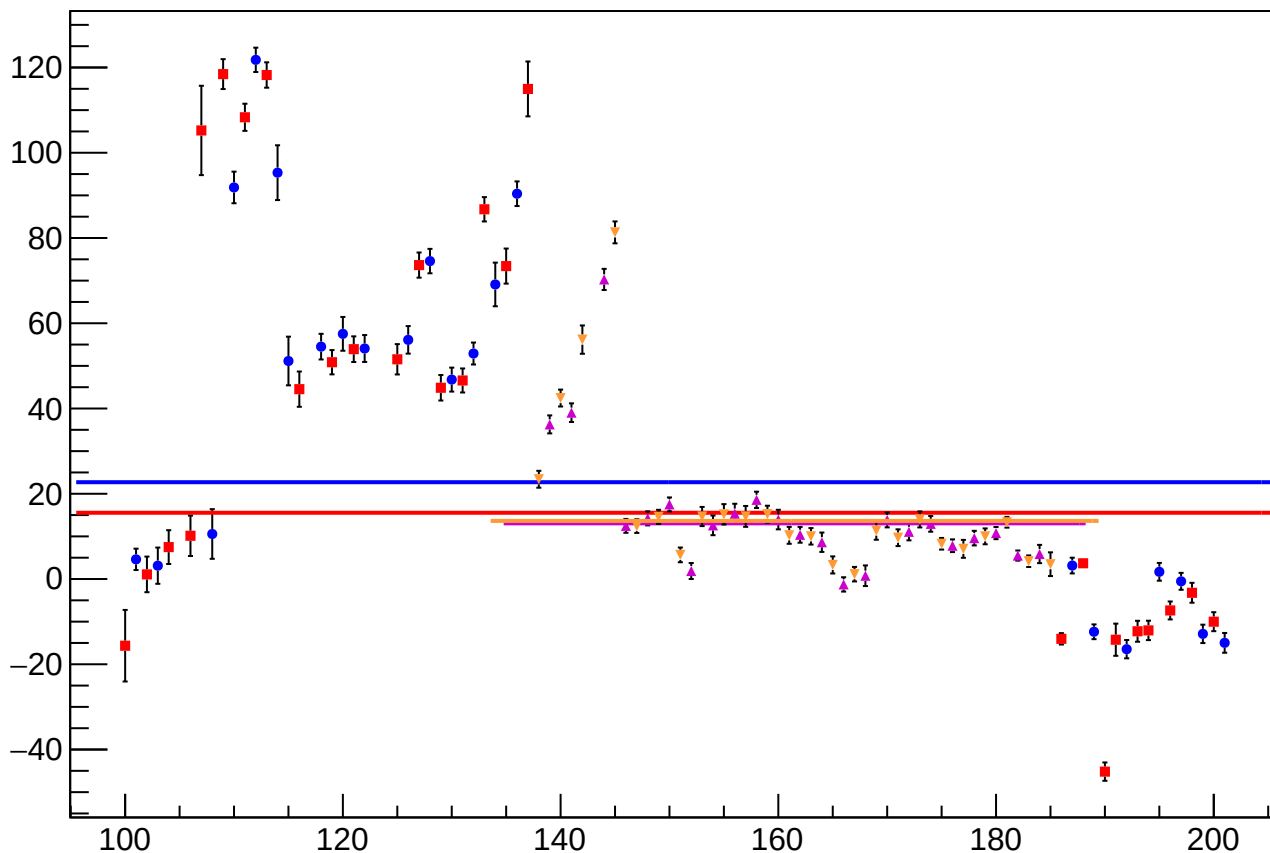
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.803 ± 0.238 χ^2/NDF : 687.3/46

All: 5.112 ± 0.168 χ^2/NDF : 1382.2/96

- sign 5.421 ± 0.238 χ^2/NDF : 691.5/49

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 22.711 $\pm$ 0.563 χ^2 /NDF: 4977.4/22

Left Out: 13.632 $\pm$ 0.382 χ^2 /NDF:1300.0/23

Right Out: 15.545 $\pm$ 0.476 χ^2 /NDF: 7241.0/26

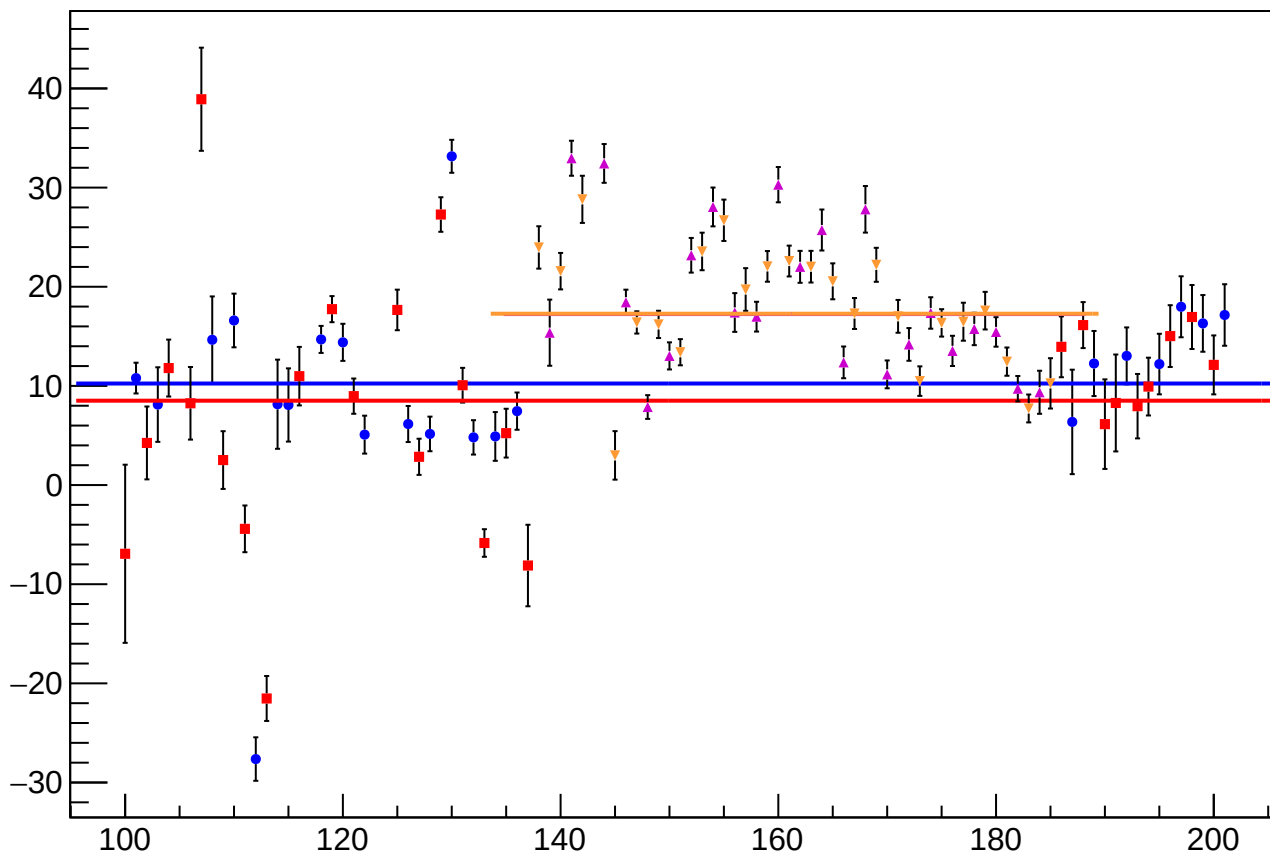
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 16.491 $\pm$ 0.316 χ^2 /NDF: 6455.5/46

All: 15.181 $\pm$ 0.216 χ^2 /NDF: 14770.2/96

- sign 14.024 $\pm$ 0.297 χ^2 /NDF: 8282.4/49

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.240 $\pm$ 0.468 χ^2 /NDF: 567.4/22

Left Out: 17.280 $\pm$ 0.337 χ^2 /NDF: 243.9/23

Right Out: 8.508 $\pm$ 0.463 χ^2 /NDF: 598.1/26

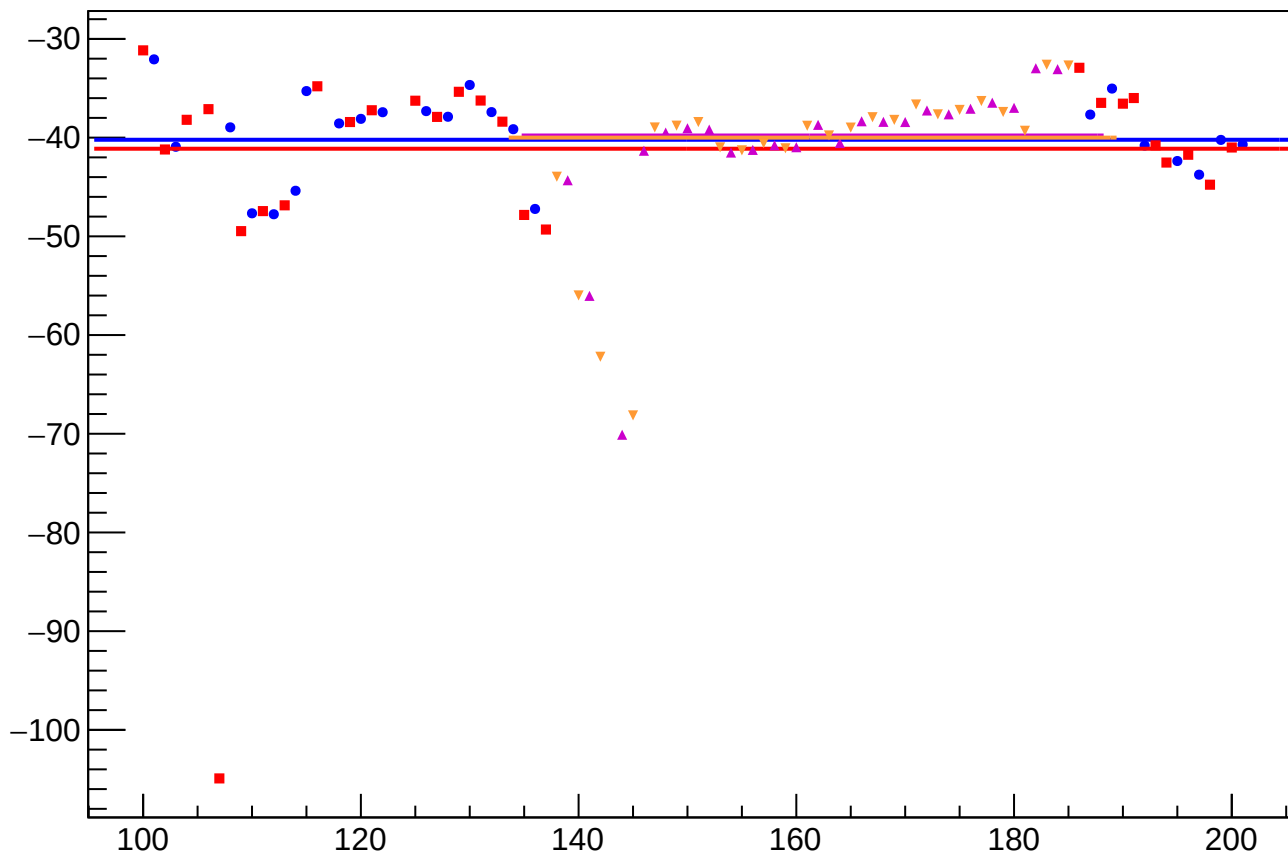
Left In: 17.245 $\pm$ 0.339 χ^2 /NDF: 440.8/22

+ sign 14.874 $\pm$ 0.273 χ^2 /NDF: 960.3/46

All: 14.533 $\pm$ 0.193 χ^2 /NDF: 2233.9/96

- sign 14.191 $\pm$ 0.274 χ^2 /NDF: 1270.4/49

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.216 ± 0.024 χ^2/NDF : 29827.7/22

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -41.125 ± 0.023 χ^2/NDF : 102438.1/26

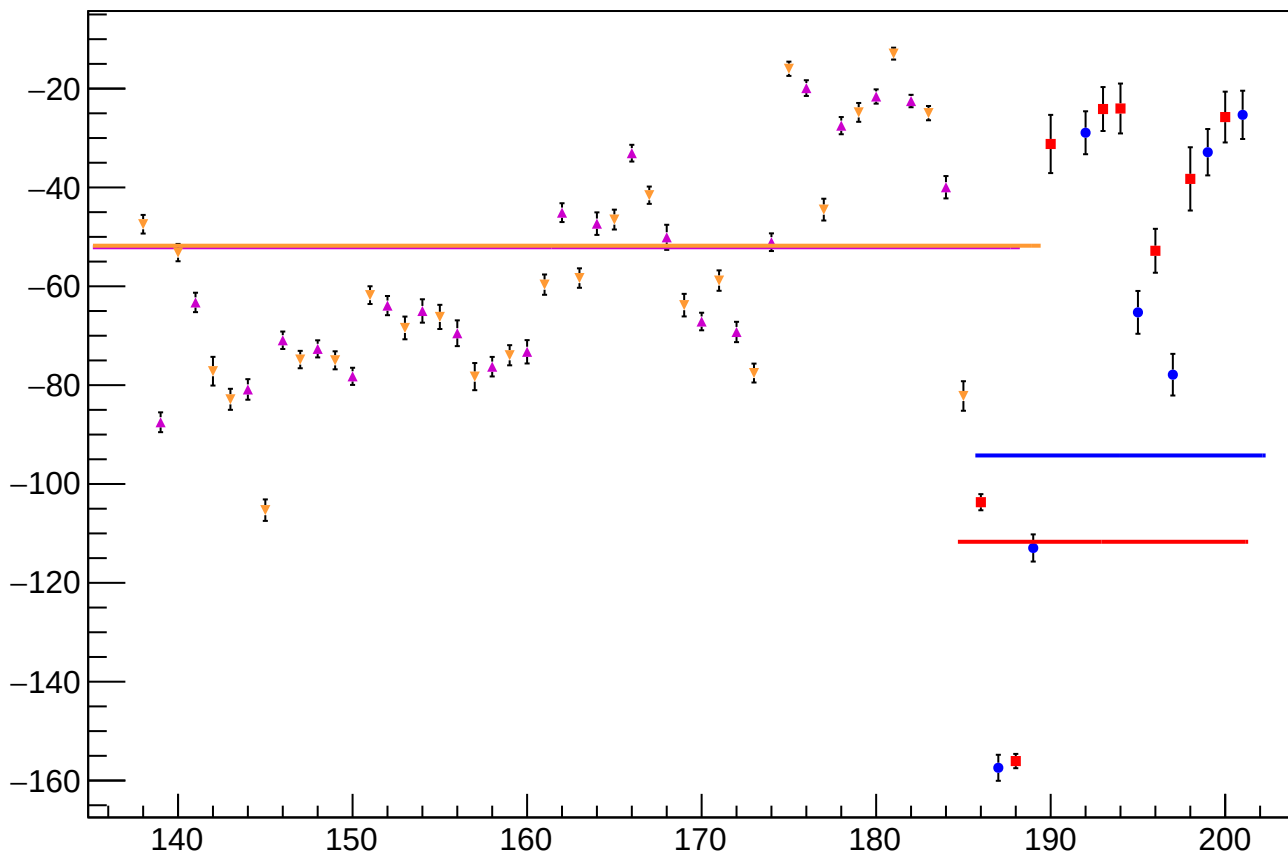
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -40.064 ± 0.013 χ^2/NDF : 202147.7/46

All: -40.133 ± 0.009 χ^2/NDF : 451413.6/96

- sign -40.201 ± 0.013 χ^2/NDF : 249211.2/49

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -94.228 $\pm$ 1.378 χ^2 /NDF: 1278.8/6

Left Out: -51.787 $\pm$ 0.383 χ^2 /NDF: 4164.8/24

Right Out: -111.693 $\pm$ 0.960 χ^2 /NDF: 2429.2/7

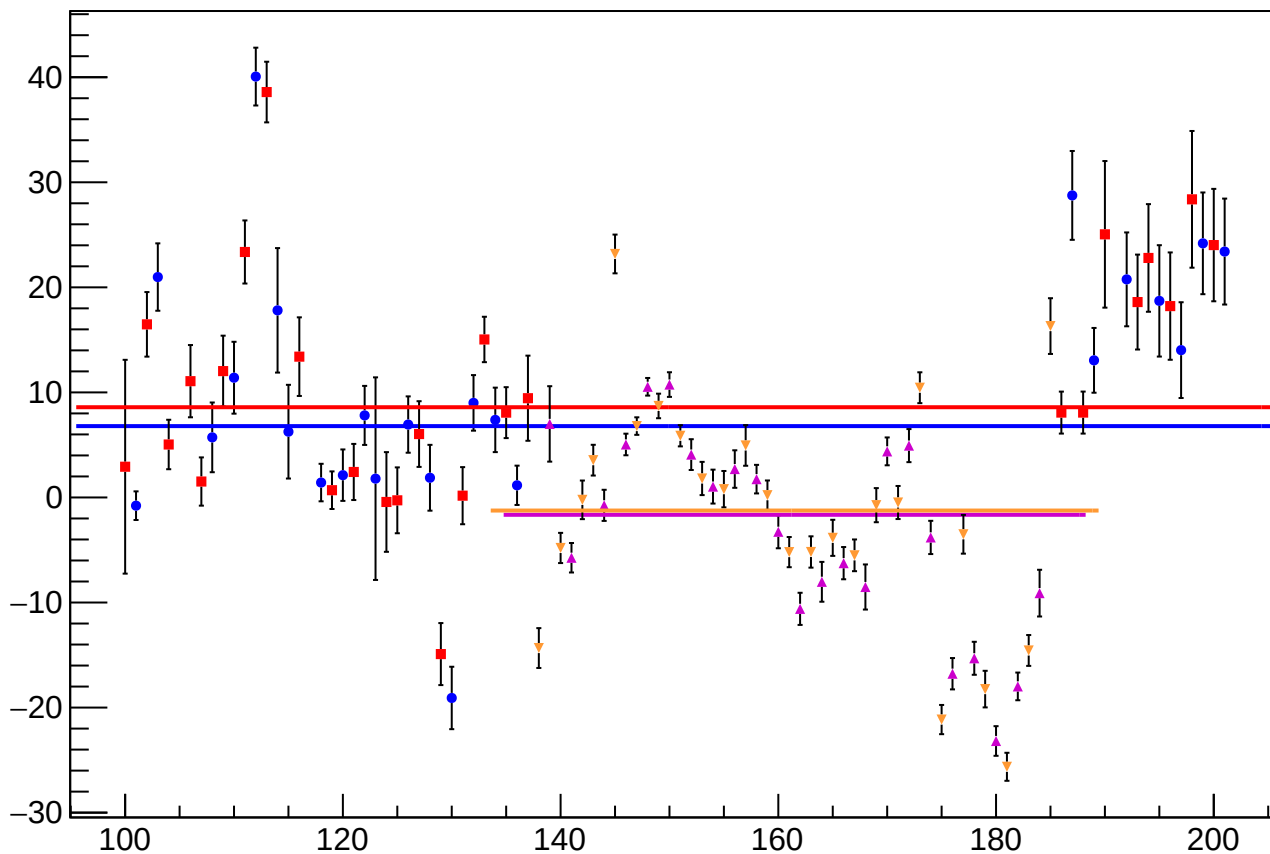
Left In: -52.104 $\pm$ 0.389 χ^2 /NDF: 3280.2/22

+ sign -54.825 $\pm$ 0.369 χ^2 /NDF: 6324.2/31

All: -57.728 $\pm$ 0.258 χ^2 /NDF: 15467.0/62

- sign -60.500 $\pm$ 0.360 χ^2 /NDF: 9021.5/30

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 6.791 $\pm$ 0.586 χ^2 /NDF: 375.5/23

Left Out: -1.245 $\pm$ 0.292 χ^2 /NDF:1322.6/24

Right Out: 8.589 $\pm$ 0.571 χ^2 /NDF: 312.6/26

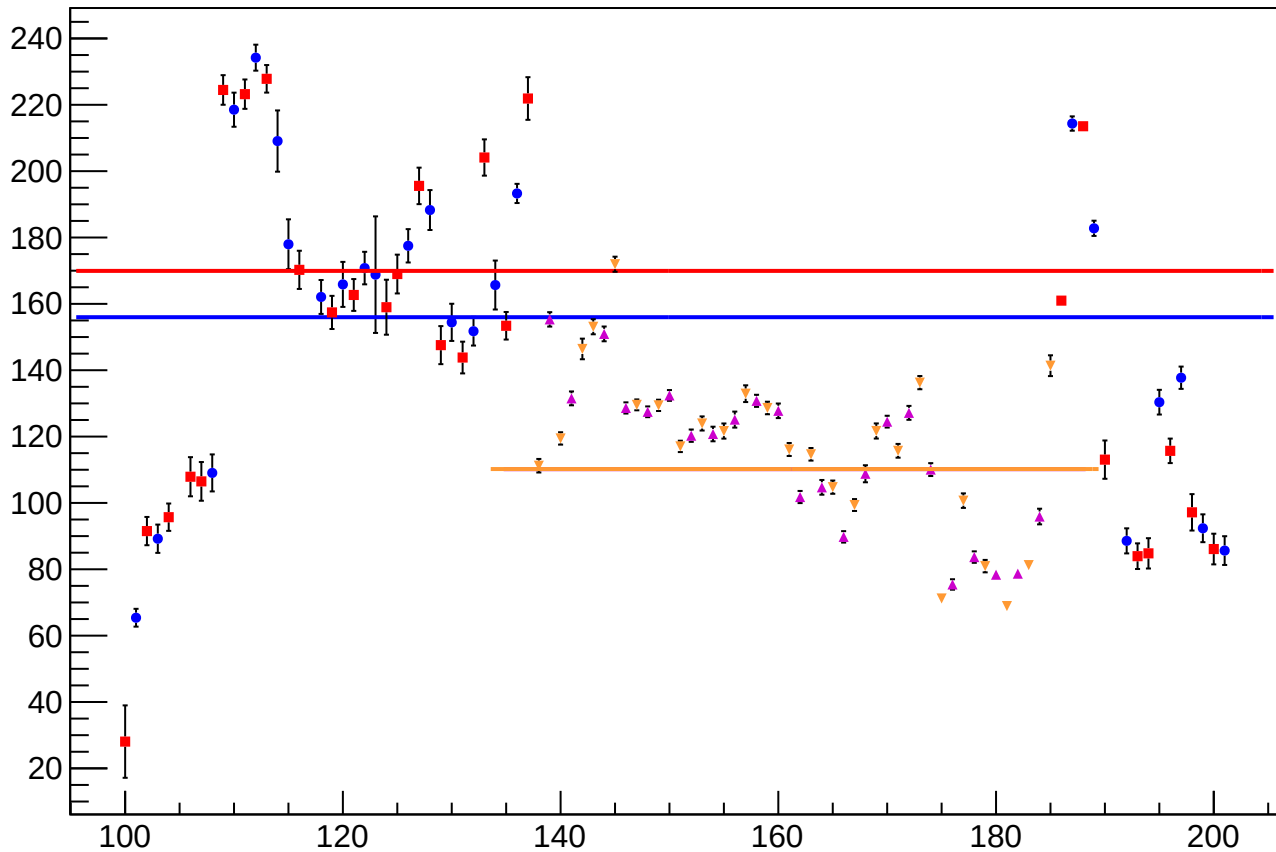
Left In: -1.650 $\pm$ 0.300 χ^2 /NDF:1092.2/22

+ sign 0.349 $\pm$ 0.261 χ^2 /NDF: 1848.7/48

All: 0.454 $\pm$ 0.186 χ^2 /NDF: 3505.4/98

- sign 0.564 $\pm$ 0.266 χ^2 /NDF: 1656.4/49

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 155.982 $\pm$ 0.817 χ^2 /NDF: 4026.4/23

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 169.939 $\pm$ 0.653 χ^2 /NDF: 4864.5/26

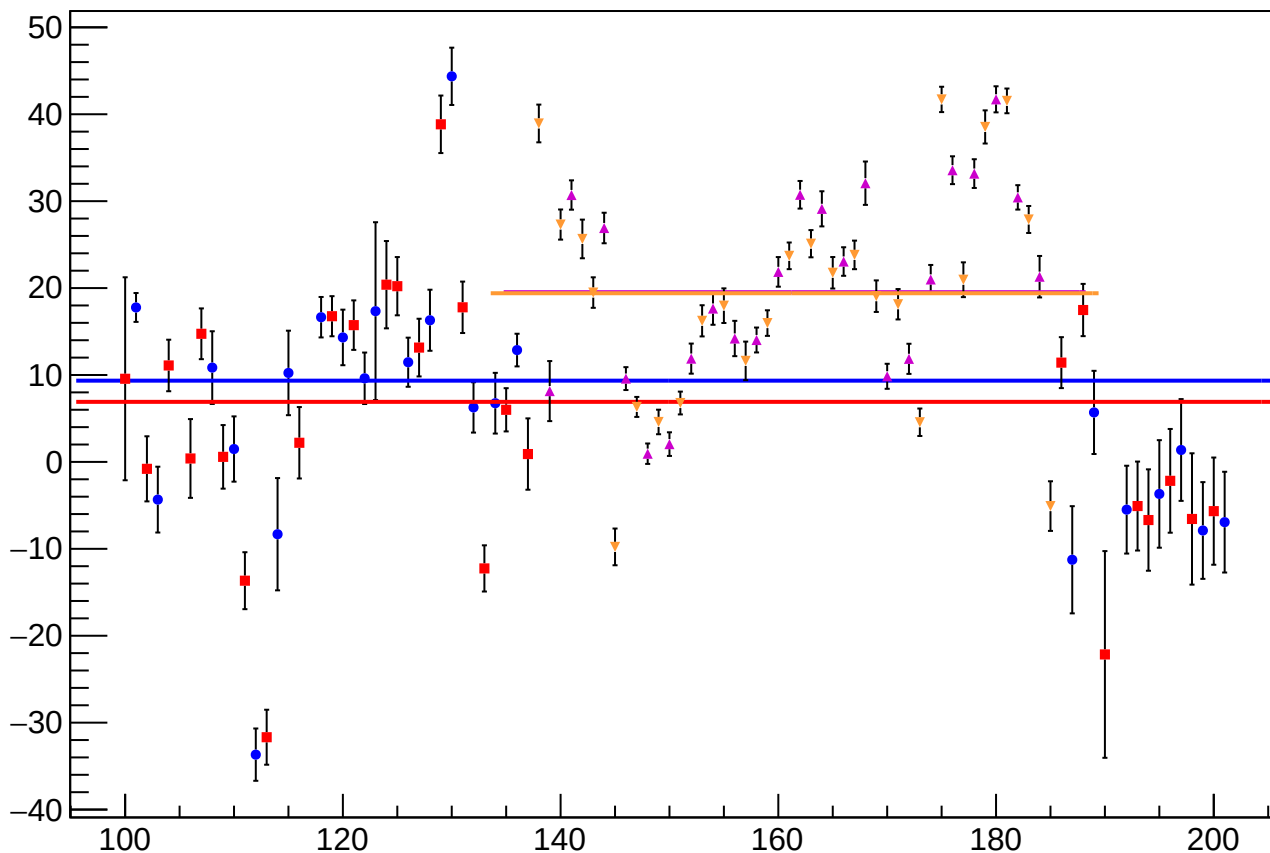
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 118.427 $\pm$ 0.346 χ^2 /NDF: 11195.9/48

All: 122.191 $\pm$ 0.240 χ^2 /NDF: 26204.0/98

- sign 125.660 $\pm$ 0.332 χ^2 /NDF: 14780.8/49

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 9.348 ± 0.682 χ^2/NDF : 434.8/23

Left Out: 19.405 ± 0.335 χ^2/NDF : 1453.4/24

Right Out: 6.910 ± 0.681 χ^2/NDF : 464.6/26

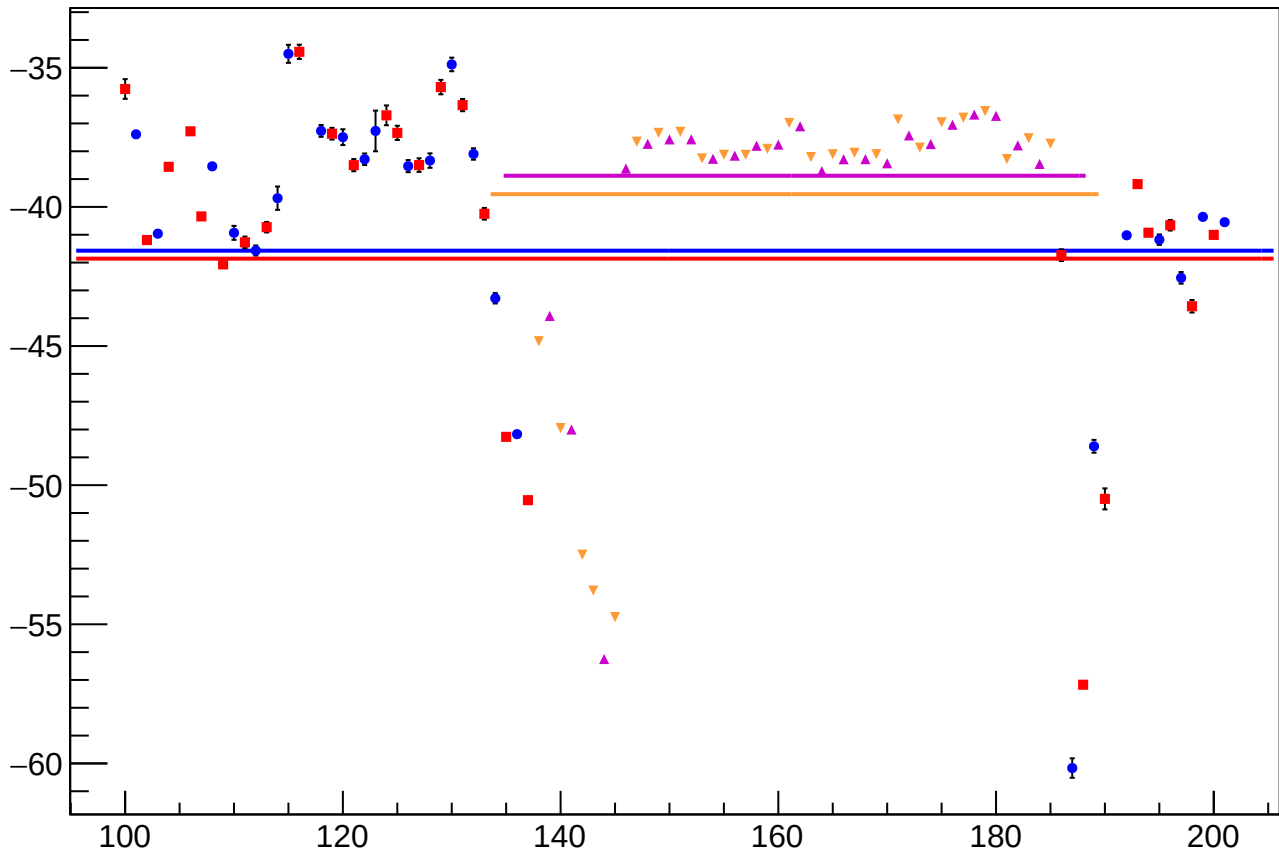
Left In: 19.530 ± 0.342 χ^2/NDF : 1181.3/22

+ sign 17.452 ± 0.300 χ^2/NDF : 2063.6/48

All: 17.221 ± 0.214 χ^2/NDF : 3985.0/98

- sign 16.981 ± 0.306 χ^2/NDF : 1920.2/49

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.573 ± 0.034 $\chi^2/\text{NDF}: 16439.9/23$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.859 ± 0.033 $\chi^2/\text{NDF}: 22640.4/26$

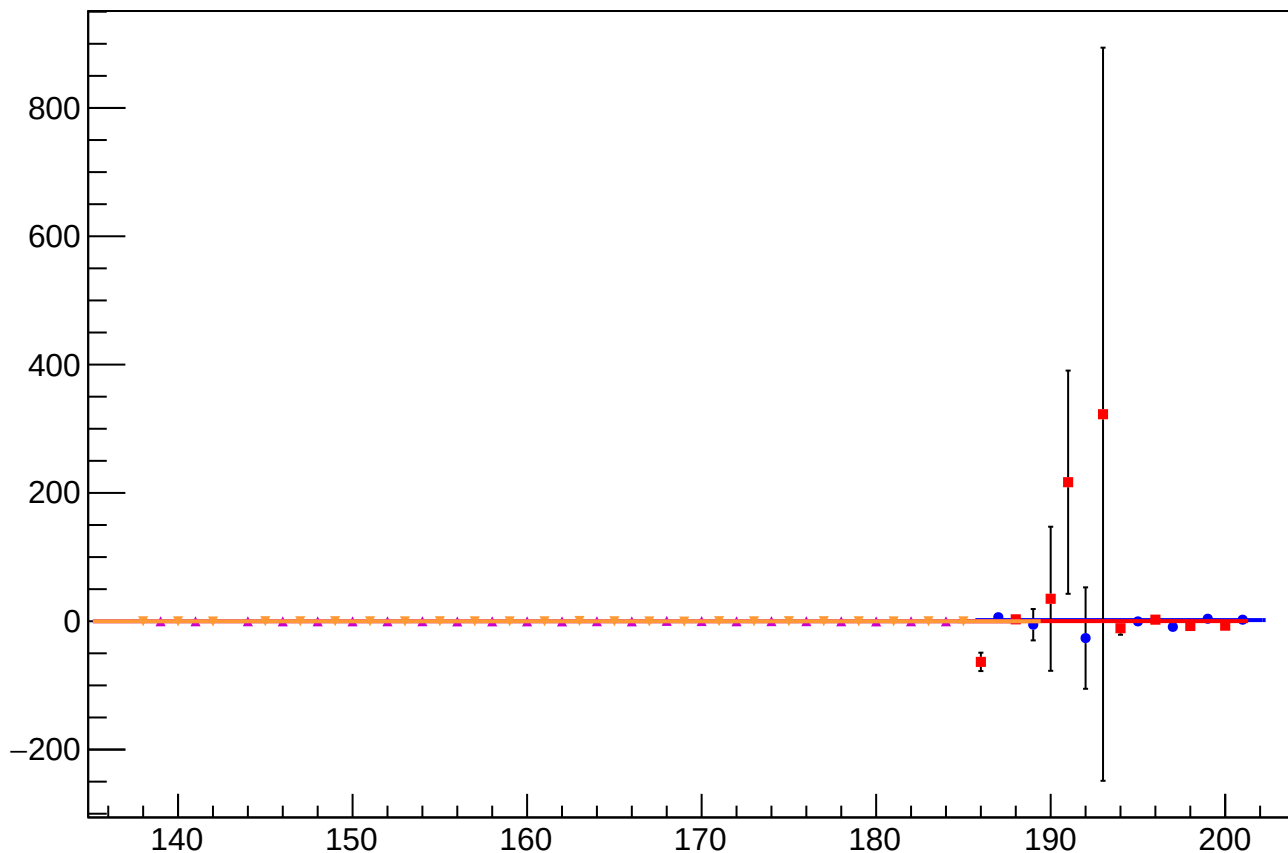
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.899 ± 0.014 $\chi^2/\text{NDF}: 111399.1/48$

All: -39.664 ± 0.010 $\chi^2/\text{NDF}: 194463.8/98$

- sign -39.426 ± 0.014 $\chi^2/\text{NDF}: 82517.6/49$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.796 $\pm$ 1.978 χ^2 /NDF: 7.8/6

Left Out: -0.089 $\pm$ 0.022 χ^2 /NDF: 39.7/23

Right Out: 0.191 $\pm$ 1.650 χ^2 /NDF: 28.0/8

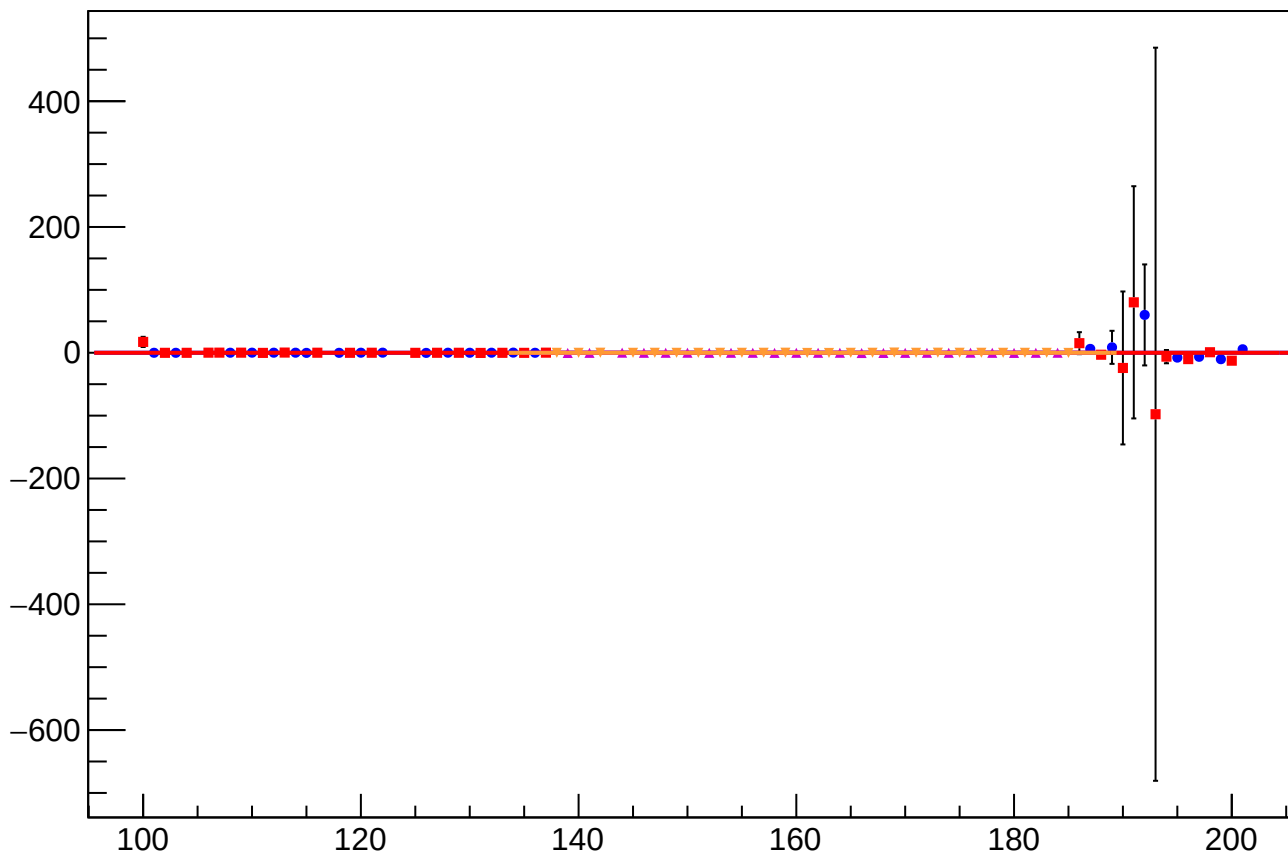
Left In: -0.026 $\pm$ 0.022 χ^2 /NDF: 33.3/22

+ sign -0.088 $\pm$ 0.022 χ^2 /NDF: 48.4/30

All: -0.057 $\pm$ 0.016 χ^2 /NDF: 113.7/62

- sign -0.025 $\pm$ 0.022 χ^2 /NDF: 61.3/31

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 22.0/22

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.051 ± 0.029 χ^2/NDF : 34.8/26

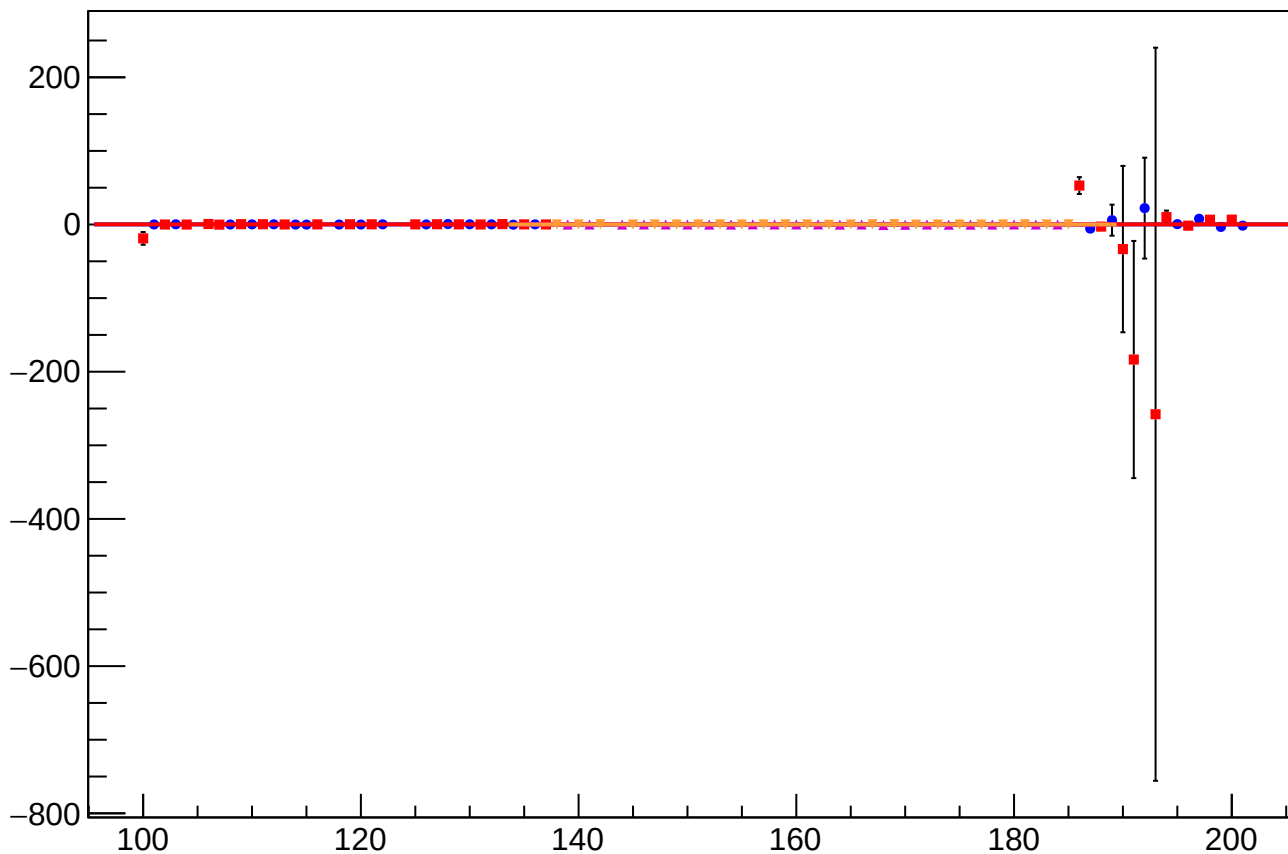
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 53.4/46

All: -0.056 ± 0.011 χ^2/NDF : 120.1/96

- sign -0.052 ± 0.015 χ^2/NDF : 66.5/49

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.173 ± 0.053 χ^2/NDF : 22.6/22

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.235 ± 0.054 χ^2/NDF : 52.3/26

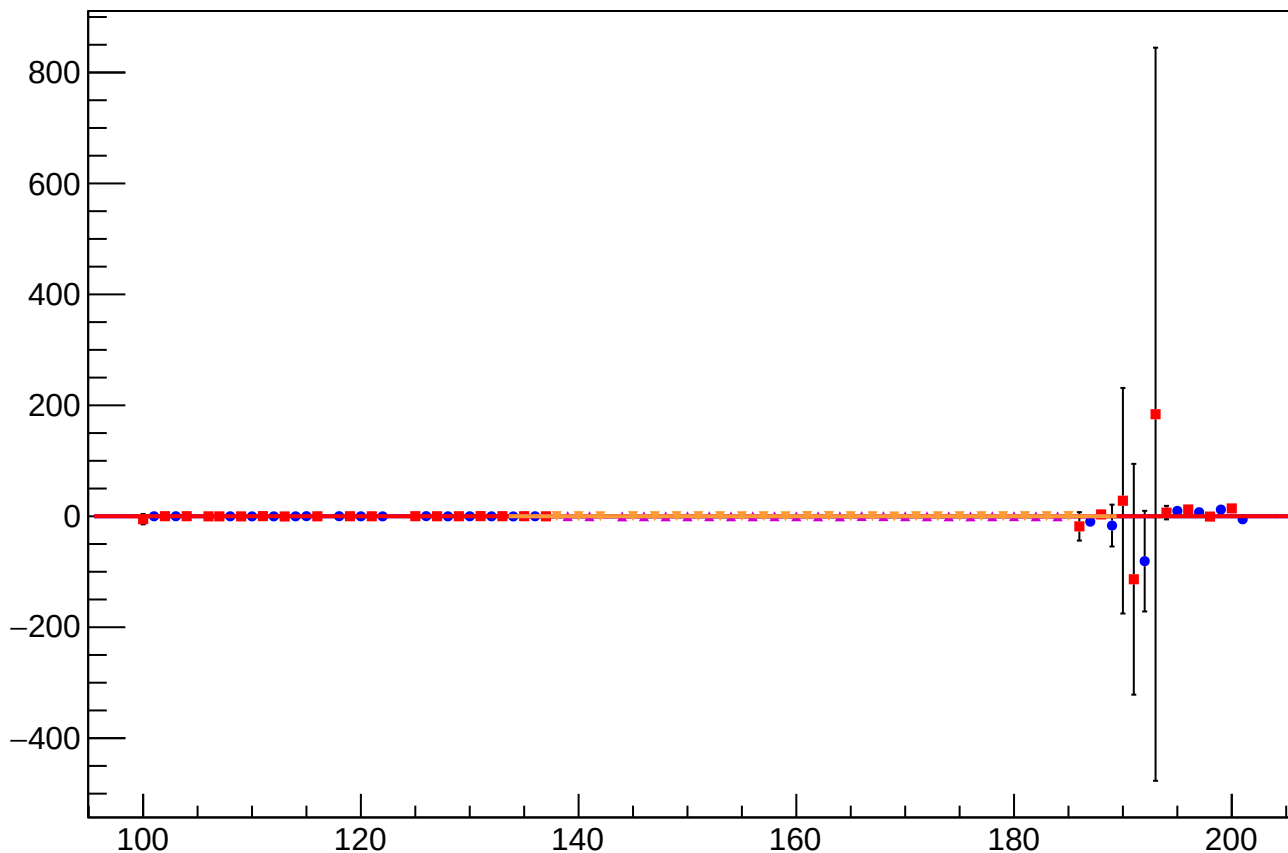
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 63.5/46

All: 0.073 ± 0.014 χ^2/NDF : 167.2/96

- sign 0.051 ± 0.021 χ^2/NDF : 101.4/49

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.006 ± 0.033 χ^2/NDF : 23.9/22

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.058 ± 0.034 χ^2/NDF : 29.0/26

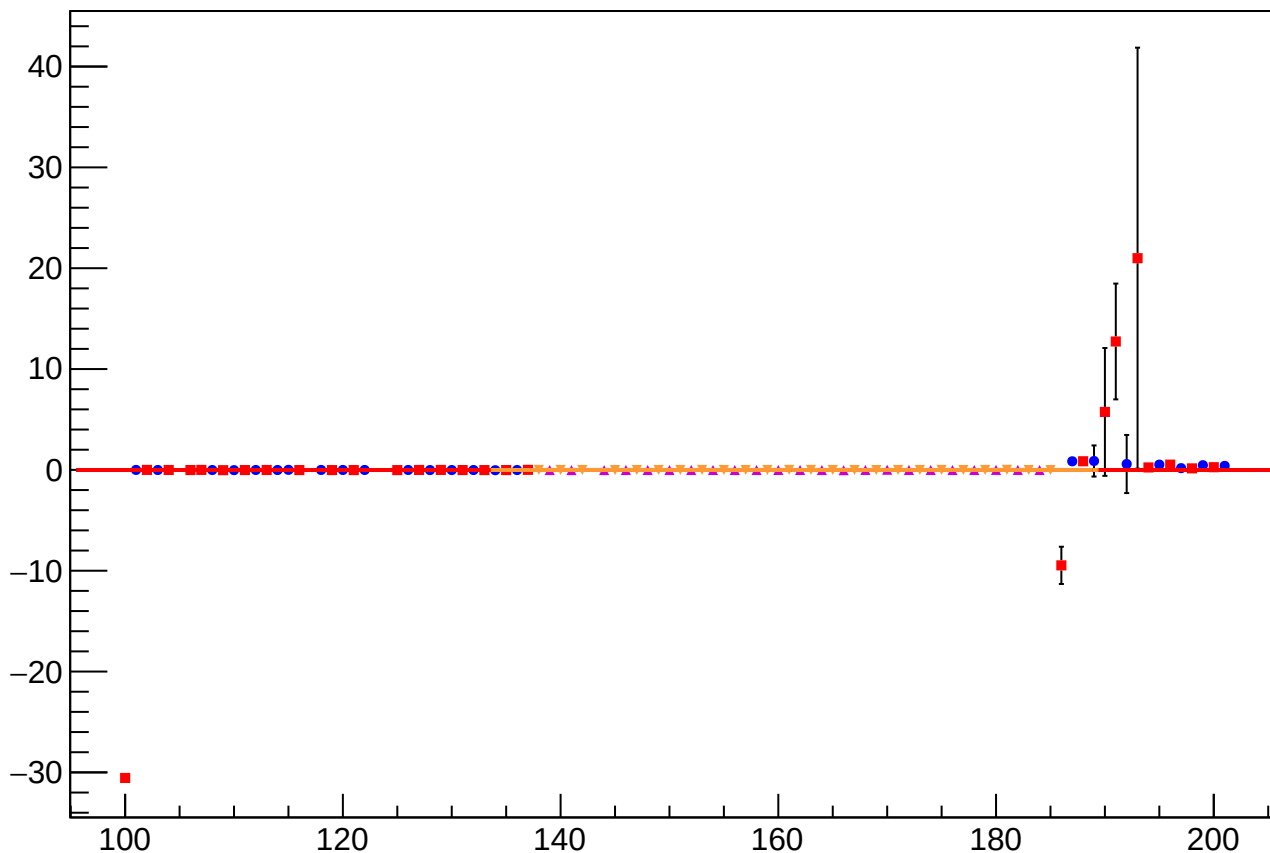
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 61.9/46

All: 0.071 ± 0.012 χ^2/NDF : 122.4/96

- sign 0.066 ± 0.017 χ^2/NDF : 60.4/49

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 35.2/22

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11945.7/26

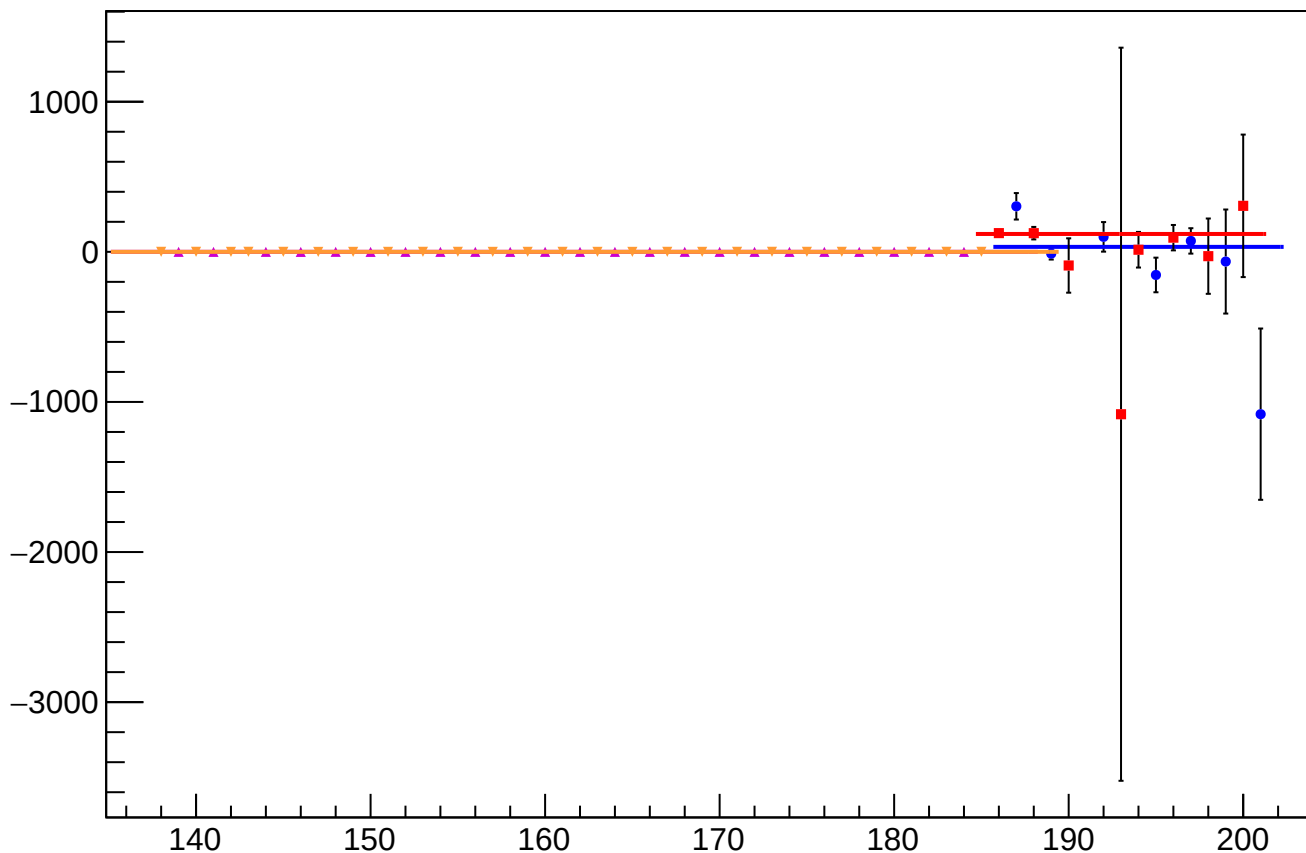
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 68.8/46

All: -0.009 ± 0.001 χ^2/NDF : 12058.2/96

- sign -0.009 ± 0.001 χ^2/NDF : 11989.0/49

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 33.080+/-30.155 χ^2/NDF : 17.9/6

Left Out: 0.017+/-0.027 χ^2/NDF : 30.9/24

Right Out: 119.057+/-16.526 χ^2/NDF : 3.1/7

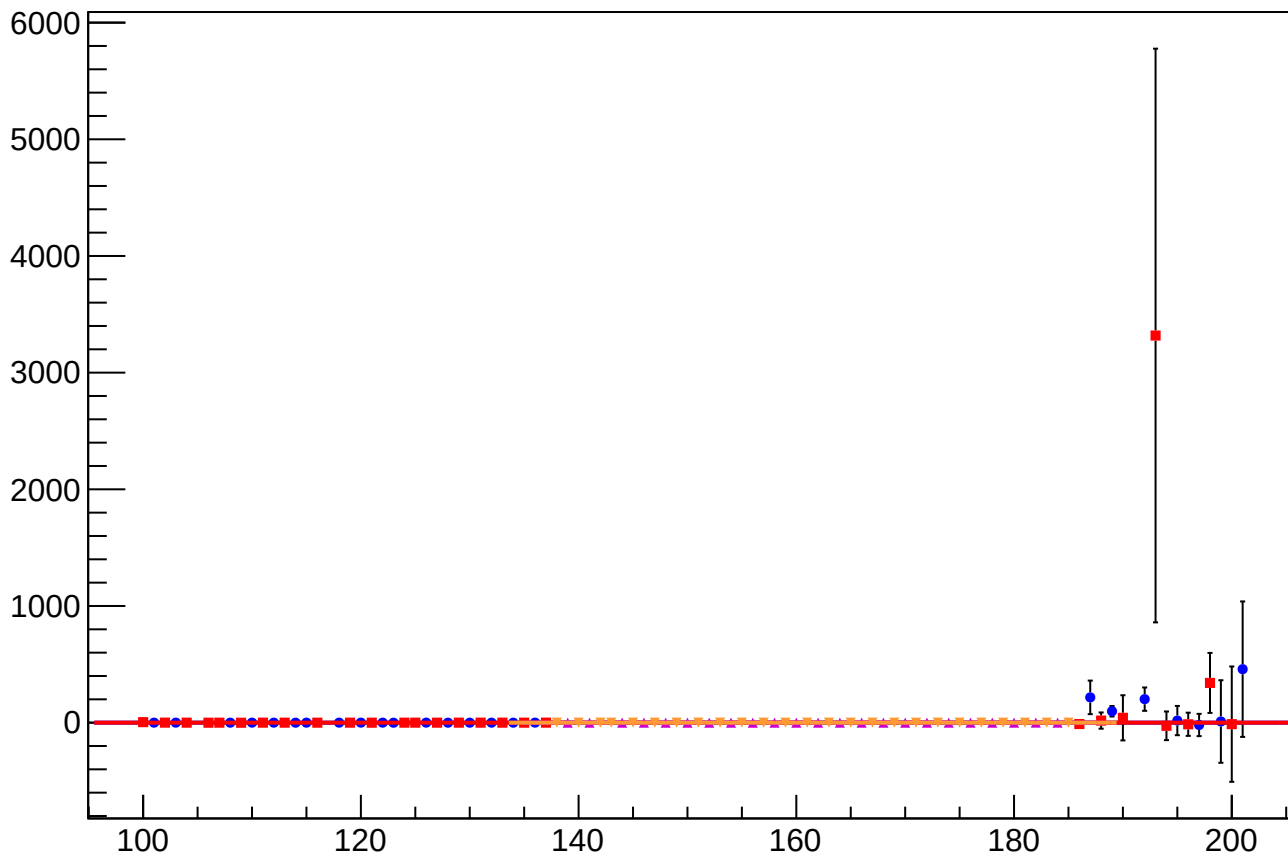
Left In: 0.002+/-0.028 χ^2/NDF : 29.0/22

+ sign 0.018+/-0.027 χ^2/NDF : 50.0/31

All: 0.010+/-0.019 χ^2/NDF : 134.2/62

- sign 0.003+/-0.028 χ^2/NDF : 84.0/30

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 34.7/23

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 22.5/26

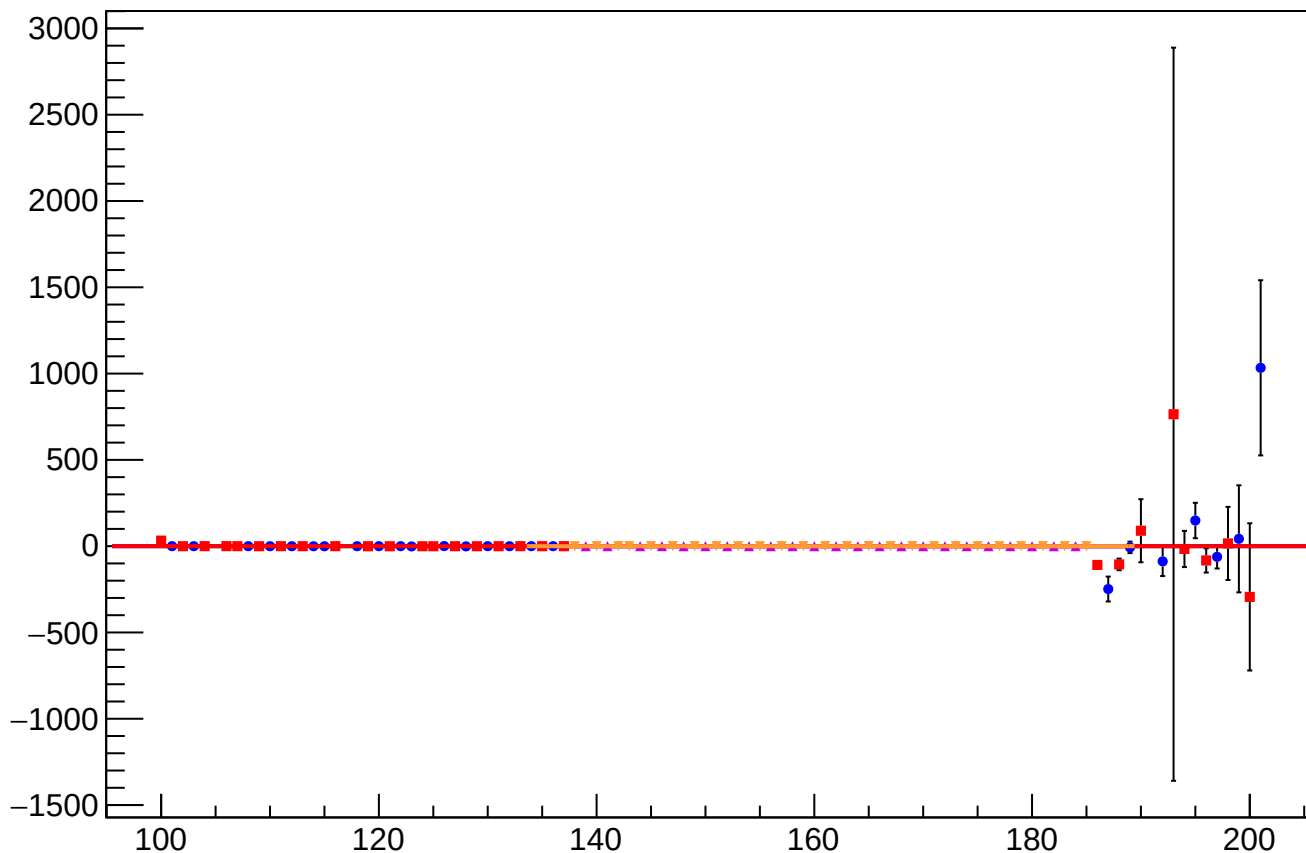
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 60.1/48

All: -0.066 ± 0.013 χ^2/NDF : 134.3/98

- sign -0.083 ± 0.019 χ^2/NDF : 72.6/49

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 44.8/23

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 78.1/26

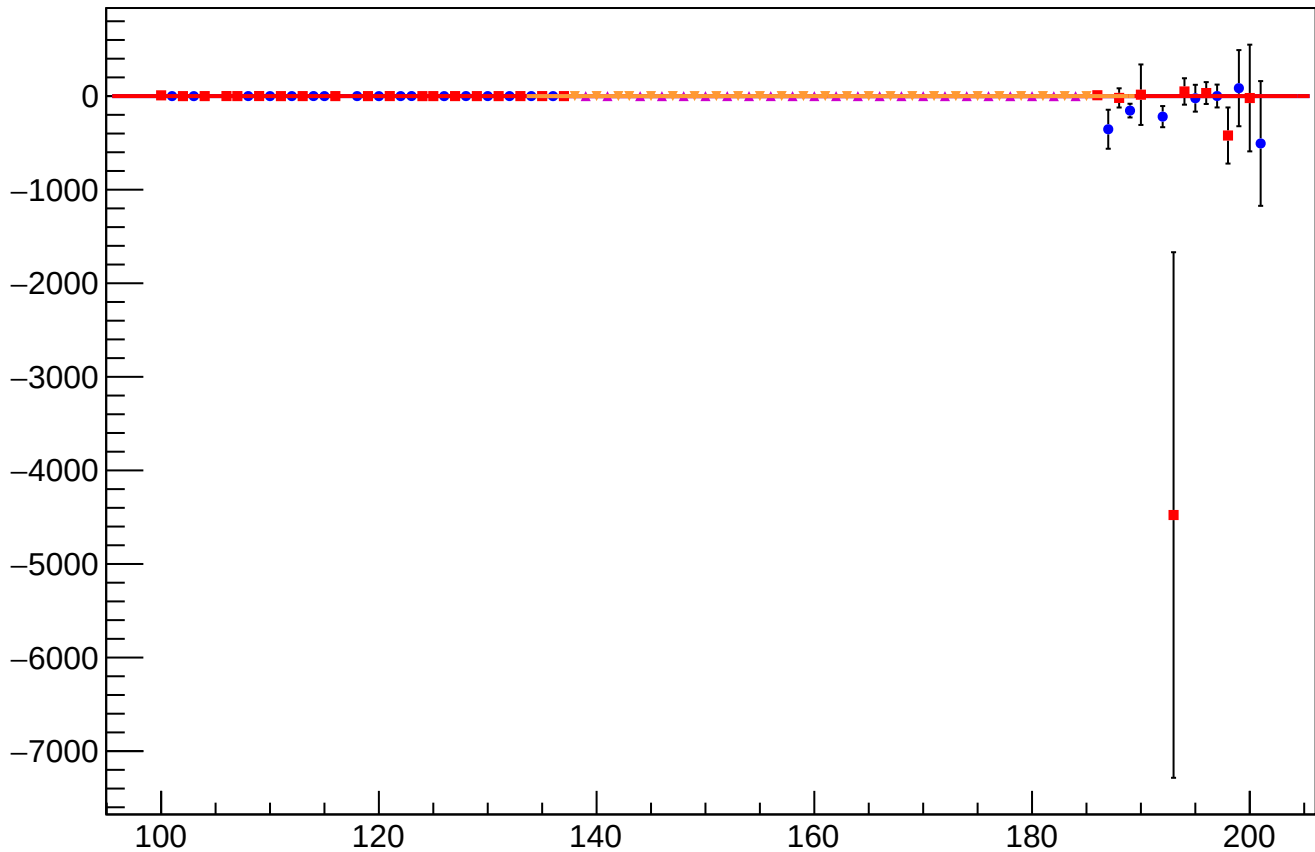
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 76.4/48

All: -0.042 ± 0.018 χ^2/NDF : 186.3/98

- sign -0.050 ± 0.026 χ^2/NDF : 109.7/49

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 ± 0.043 χ^2/NDF : 33.4/23

Left Out: 0.063 ± 0.024 χ^2/NDF : 24.6/24

Right Out: 0.144 ± 0.045 χ^2/NDF : 21.6/26

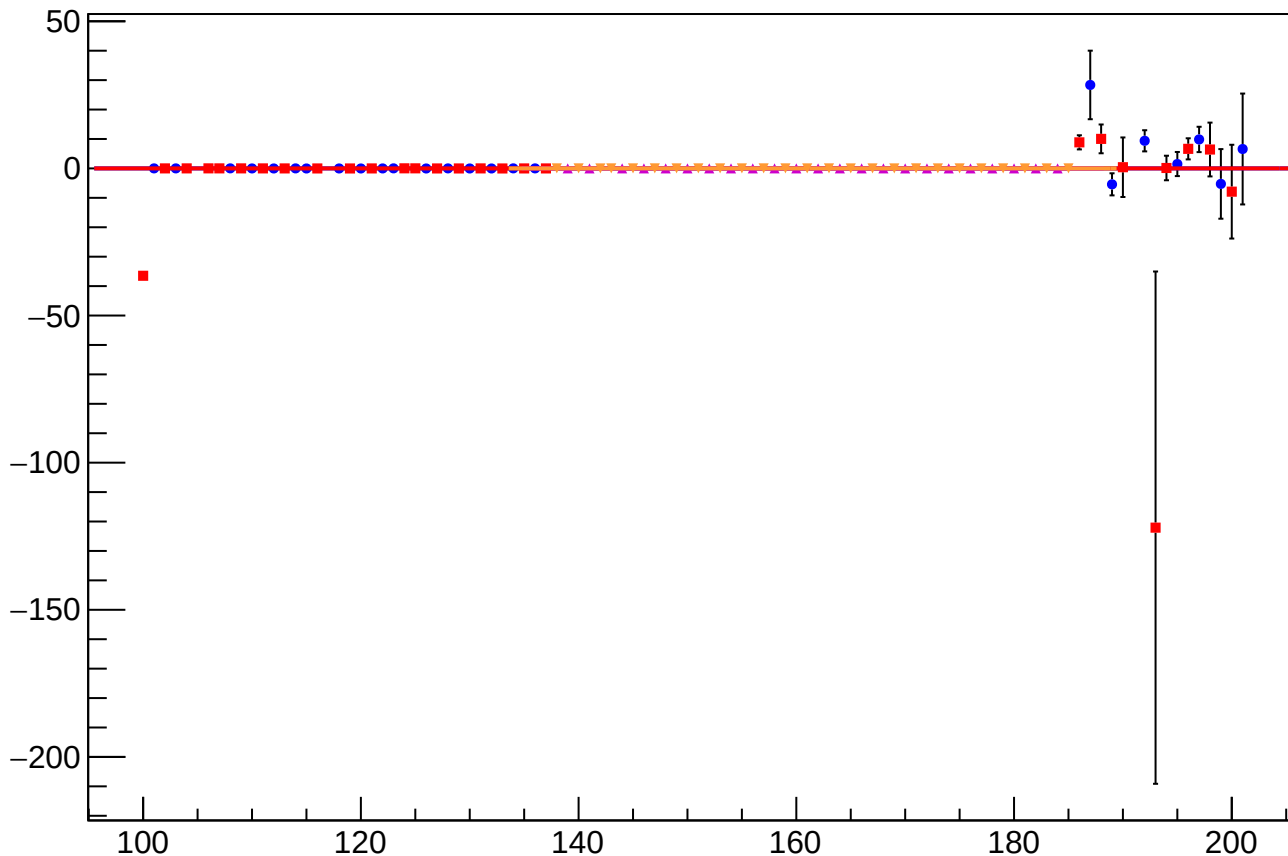
Left In: 0.069 ± 0.025 χ^2/NDF : 51.8/22

+ sign 0.052 ± 0.021 χ^2/NDF : 58.9/48

All: 0.069 ± 0.015 χ^2/NDF : 135.7/98

- sign 0.086 ± 0.022 χ^2/NDF : 75.6/49

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 51.0/23

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10473.1/26

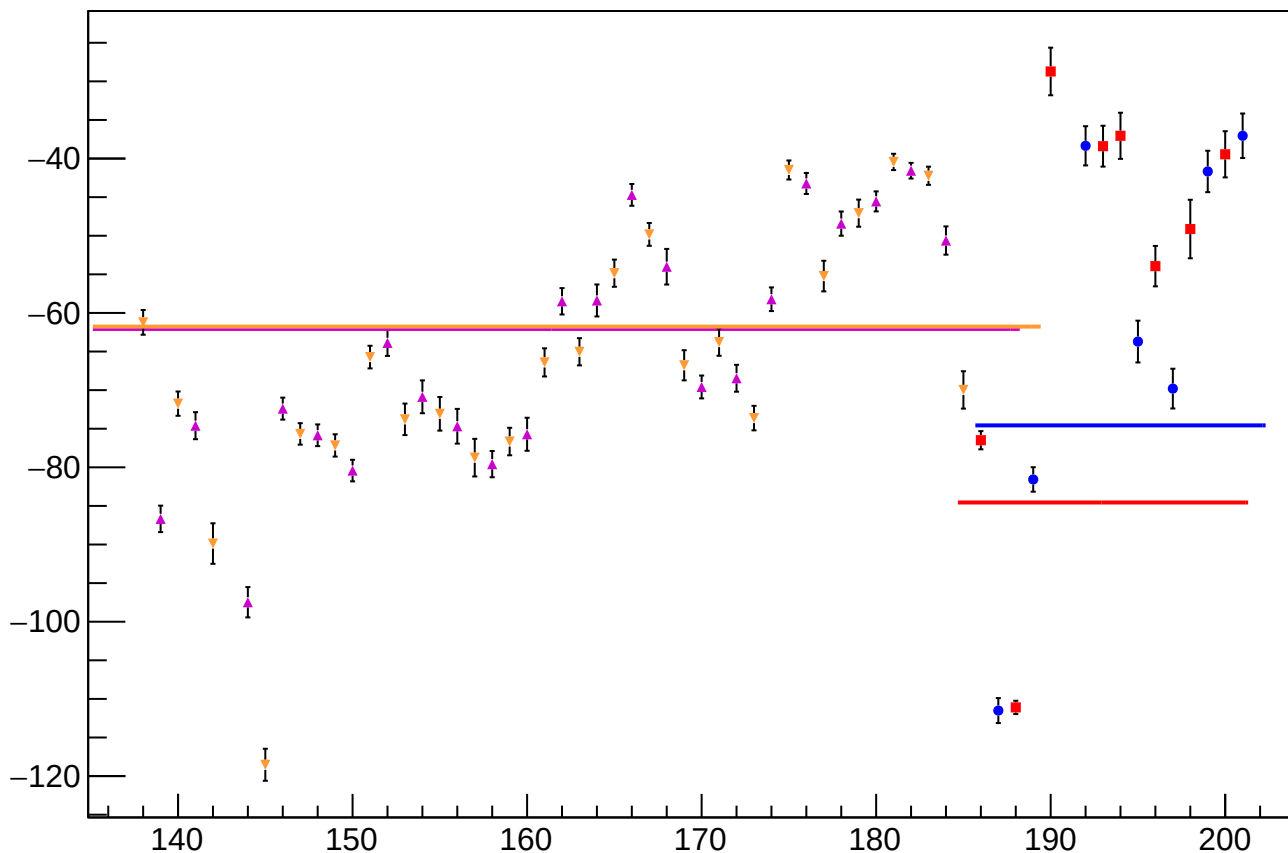
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 85.4/48

All: 0.007 ± 0.001 χ^2/NDF : 10583.9/98

- sign 0.007 ± 0.001 χ^2/NDF : 10498.4/49

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -74.567 ± 0.822 χ^2/NDF : 1083.8/6

Left Out: -61.771 ± 0.334 χ^2/NDF : 2504.9/23

Right Out: -84.555 ± 0.603 χ^2/NDF : 2326.9/7

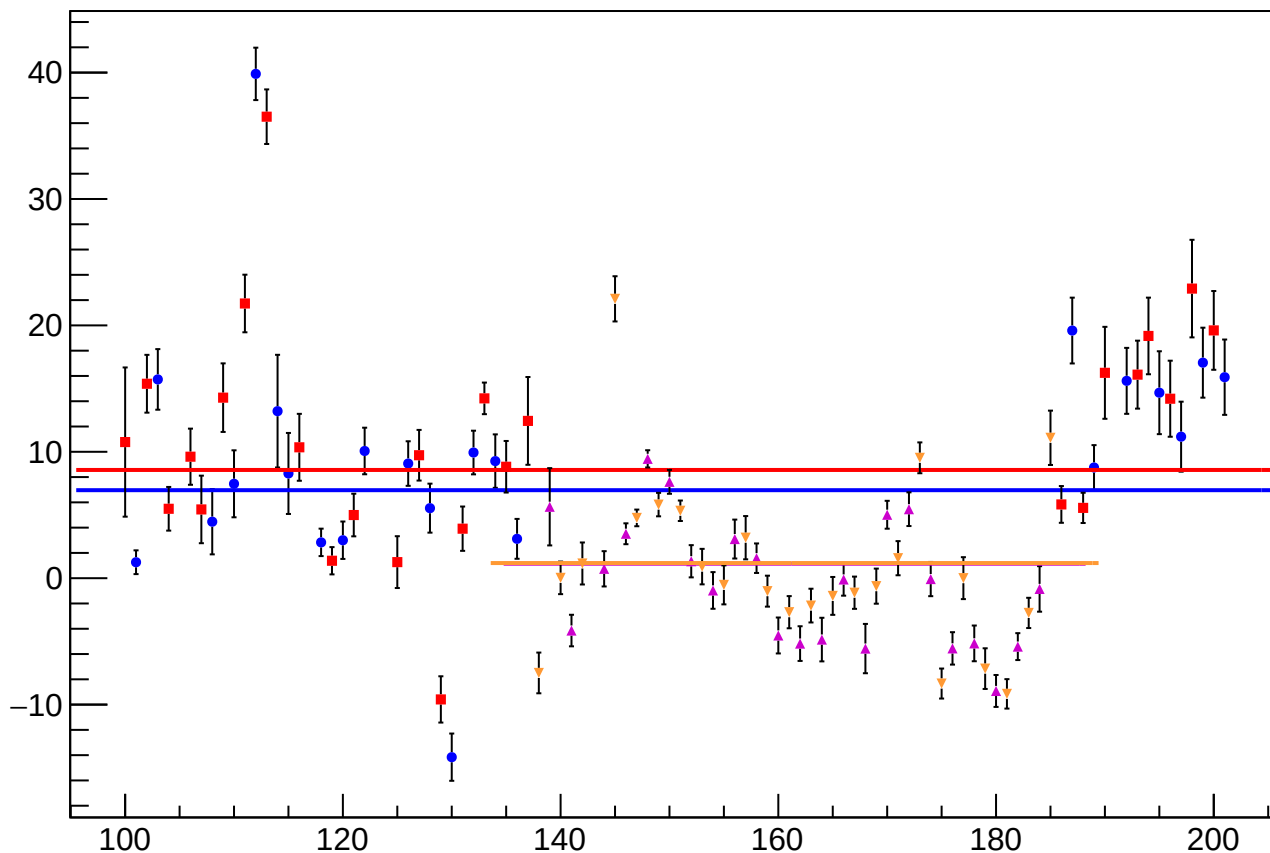
Left In: -62.073 ± 0.332 χ^2/NDF : 2192.0/22

+ sign -63.584 ± 0.309 χ^2/NDF : 3796.8/30

All: -65.558 ± 0.212 χ^2/NDF : 9457.6/61

- sign -67.306 ± 0.291 χ^2/NDF : 5584.0/30

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 6.963 ± 0.392 $\chi^2/\text{NDF}: 535.6/22$

Left Out: 1.198 ± 0.253 $\chi^2/\text{NDF}: 526.3/23$

Right Out: 8.563 ± 0.388 $\chi^2/\text{NDF}: 472.8/25$

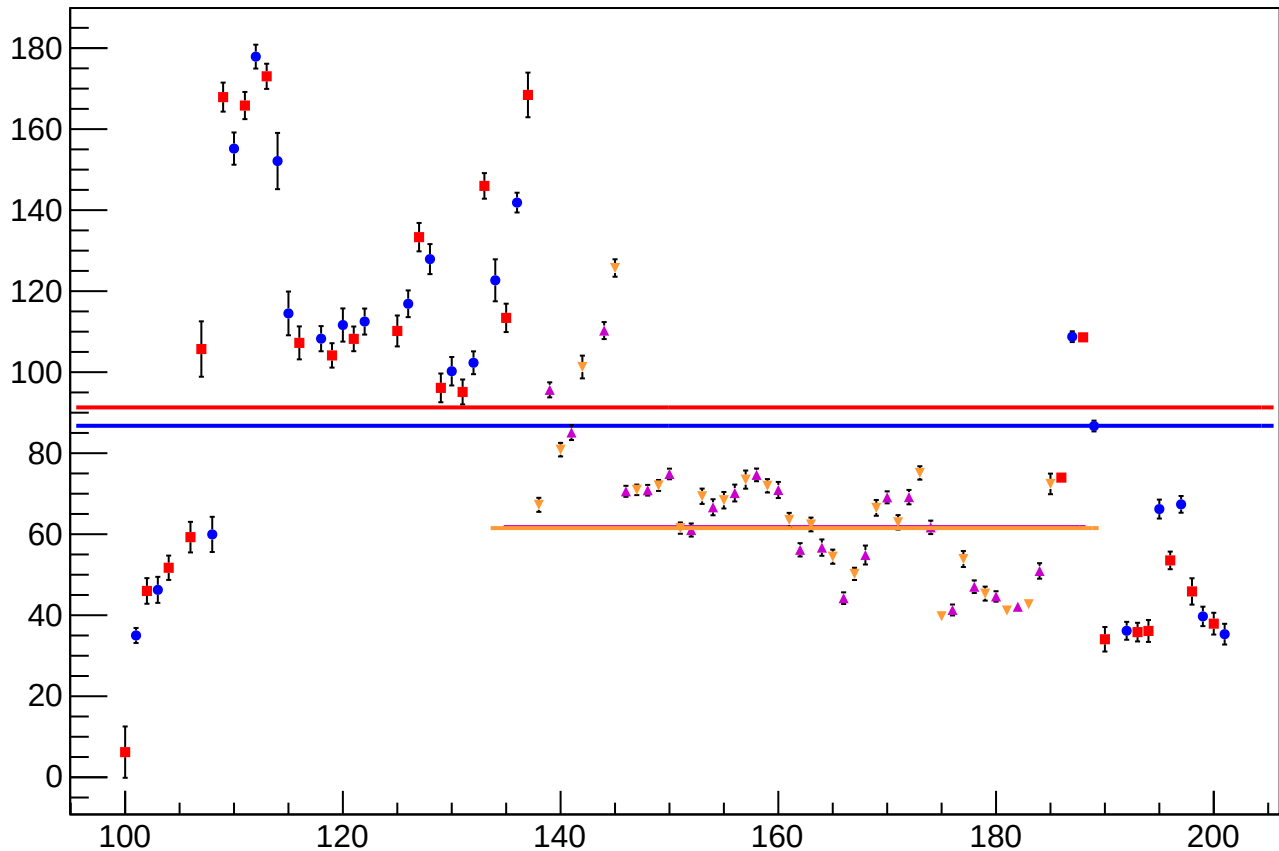
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 2.887 ± 0.212 $\chi^2/\text{NDF}: 1214.5/46$

All: 3.136 ± 0.150 $\chi^2/\text{NDF}: 2408.1/95$

- sign 3.388 ± 0.213 $\chi^2/\text{NDF}: 1190.8/48$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 86.766 $\pm$ 0.528 χ^2 /NDF: 5055.3/22

Left Out: 61.512 $\pm$ 0.332 χ^2 /NDF: 2606.0/23

Right Out: 91.305 $\pm$ 0.426 χ^2 /NDF: 6250.1/25

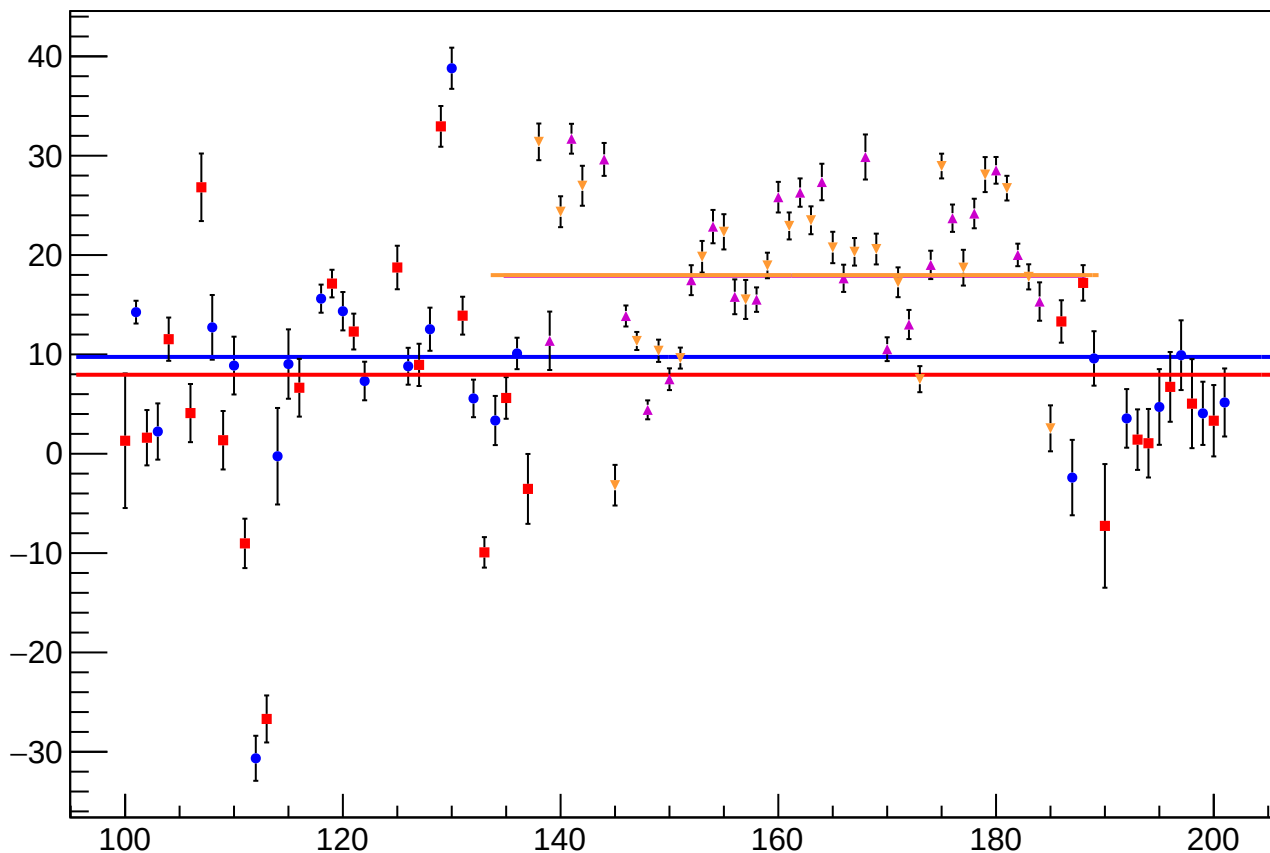
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 68.681 $\pm$ 0.281 χ^2 /NDF: 9300.6/46

All: 70.913 $\pm$ 0.191 χ^2 /NDF: 21090.6/95

- sign 72.834 $\pm$ 0.261 χ^2 /NDF: 11672.7/48

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 9.746 $\pm$ 0.462 χ^2 /NDF: 601.3/22

Left Out: 17.980 $\pm$ 0.291 χ^2 /NDF:674.4/23

Right Out: 7.951 $\pm$ 0.466 χ^2 /NDF: 737.2/25

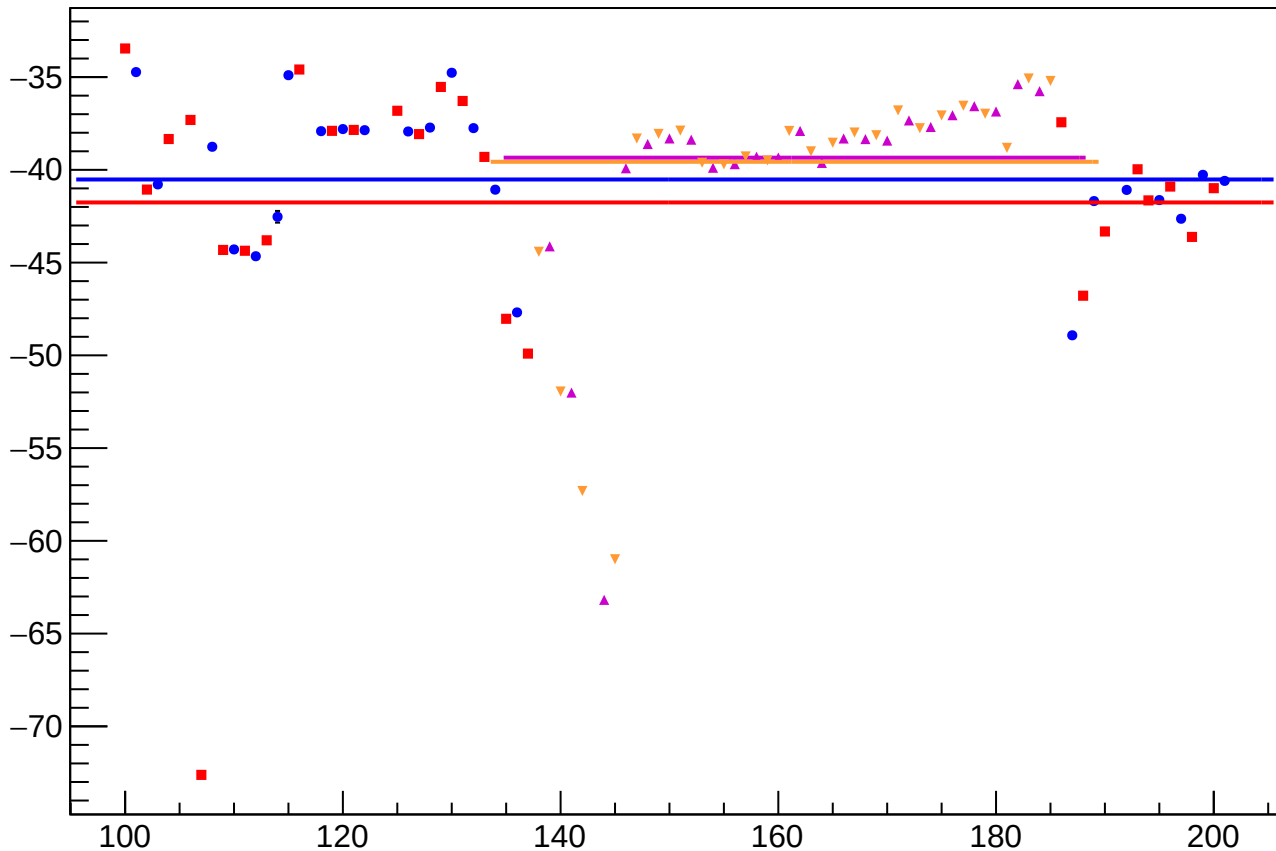
Left In: 17.916 $\pm$ 0.292 χ^2 /NDF:726.5/22

+ sign 15.644 $\pm$ 0.246 χ^2 /NDF: 1503.0/46

All: 15.376 $\pm$ 0.175 χ^2 /NDF: 3296.9/95

- sign 15.105 $\pm$ 0.248 χ^2 /NDF: 1791.4/48

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.519 ± 0.023 χ^2/NDF : 27331.7/22

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.758 ± 0.023 χ^2/NDF : 66232.5/25

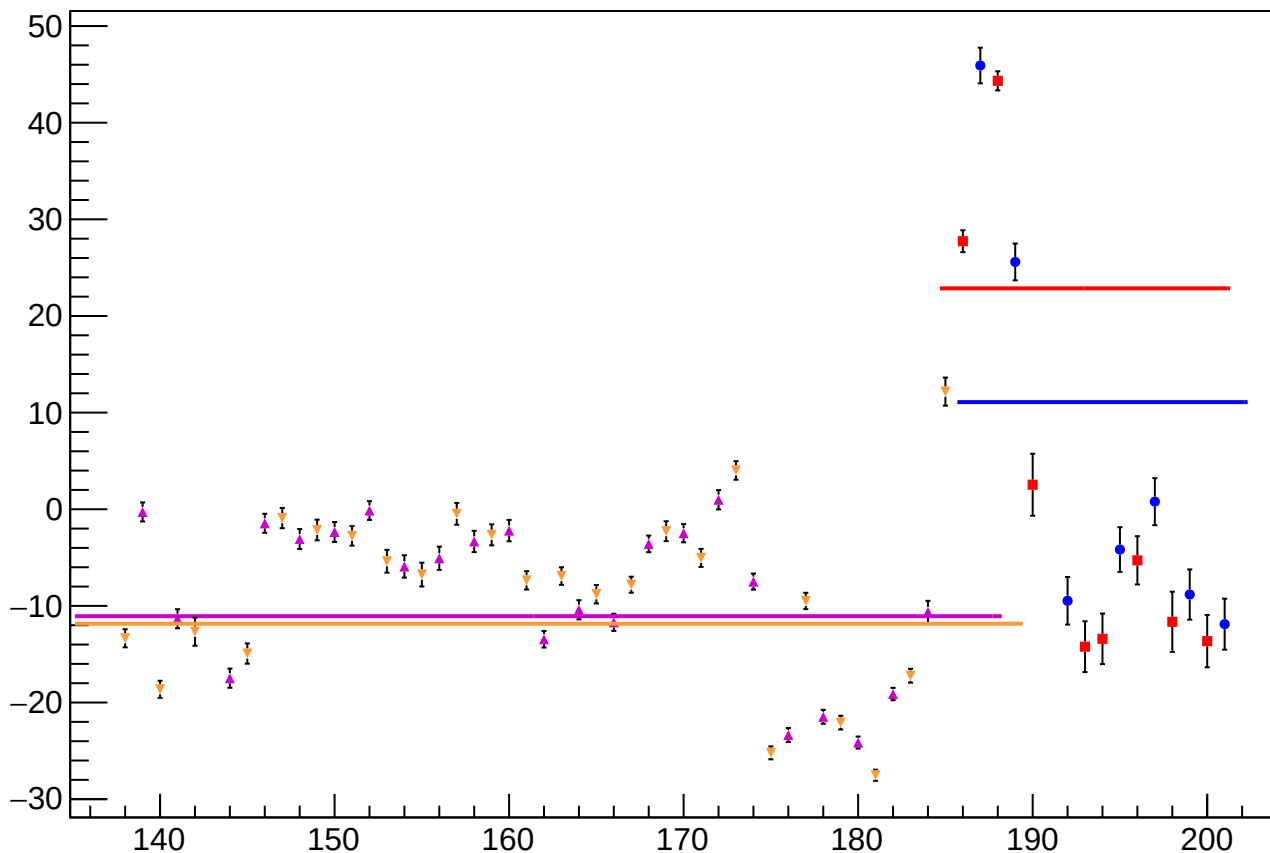
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.809 ± 0.012 χ^2/NDF : 169757.3/46

All: -39.885 ± 0.008 χ^2/NDF : 360737.4/95

- sign -39.960 ± 0.012 χ^2/NDF : 190897.7/48

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 11.086 $\pm$ 0.851 χ^2 /NDF: 680.0/6

Left Out: -11.842 $\pm$ 0.187 χ^2 /NDF: 2739.8/23

Right Out: 22.858 $\pm$ 0.622 χ^2 /NDF: 1351.7/7

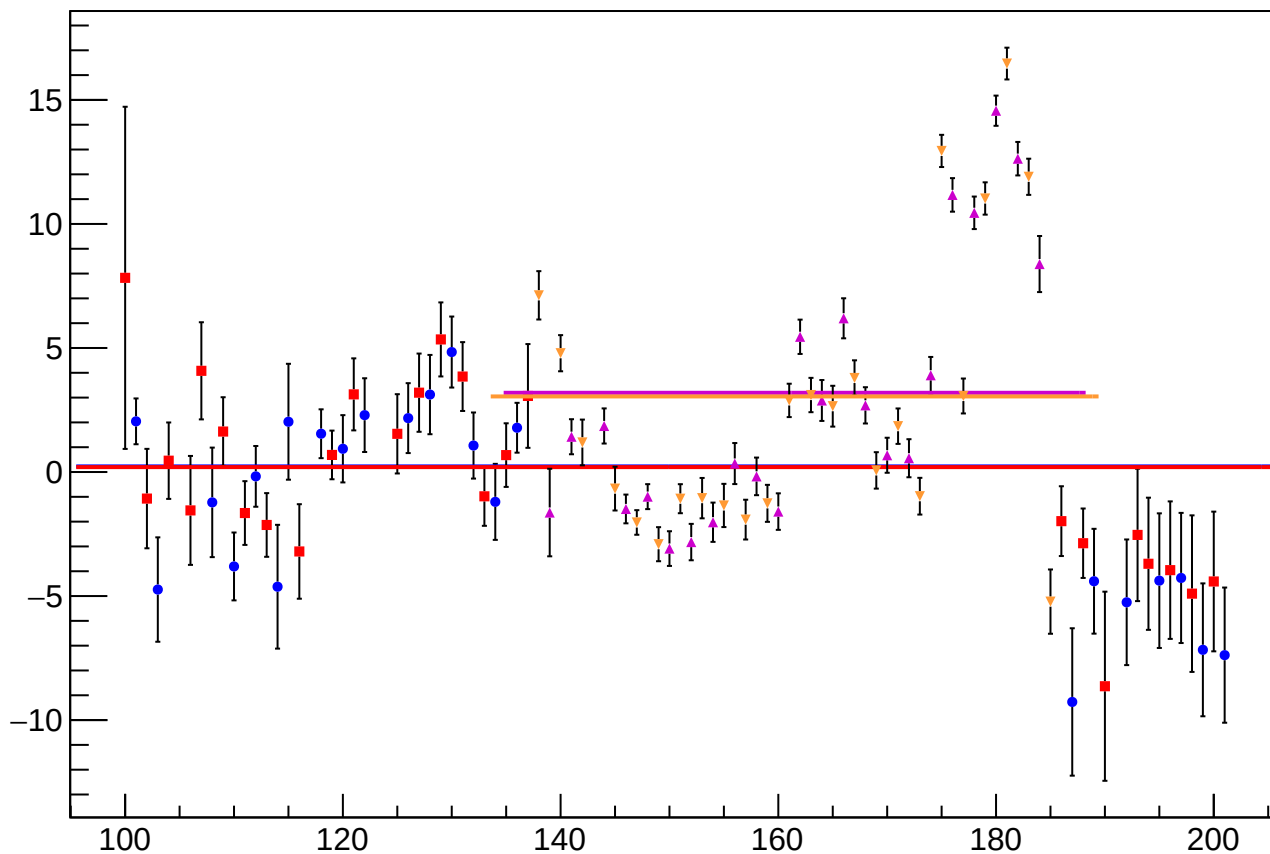
Left In: -11.067 $\pm$ 0.188 χ^2 /NDF: 2104.8/22

+ sign -10.788 $\pm$ 0.182 χ^2 /NDF: 4112.7/30

All: -9.490 $\pm$ 0.128 χ^2 /NDF: 10395.0/61

- sign -8.228 $\pm$ 0.180 χ^2 /NDF: 6182.5/30

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.226 ± 0.323 χ^2/NDF : 87.2/22

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: 0.198 ± 0.321 χ^2/NDF : 69.6/25

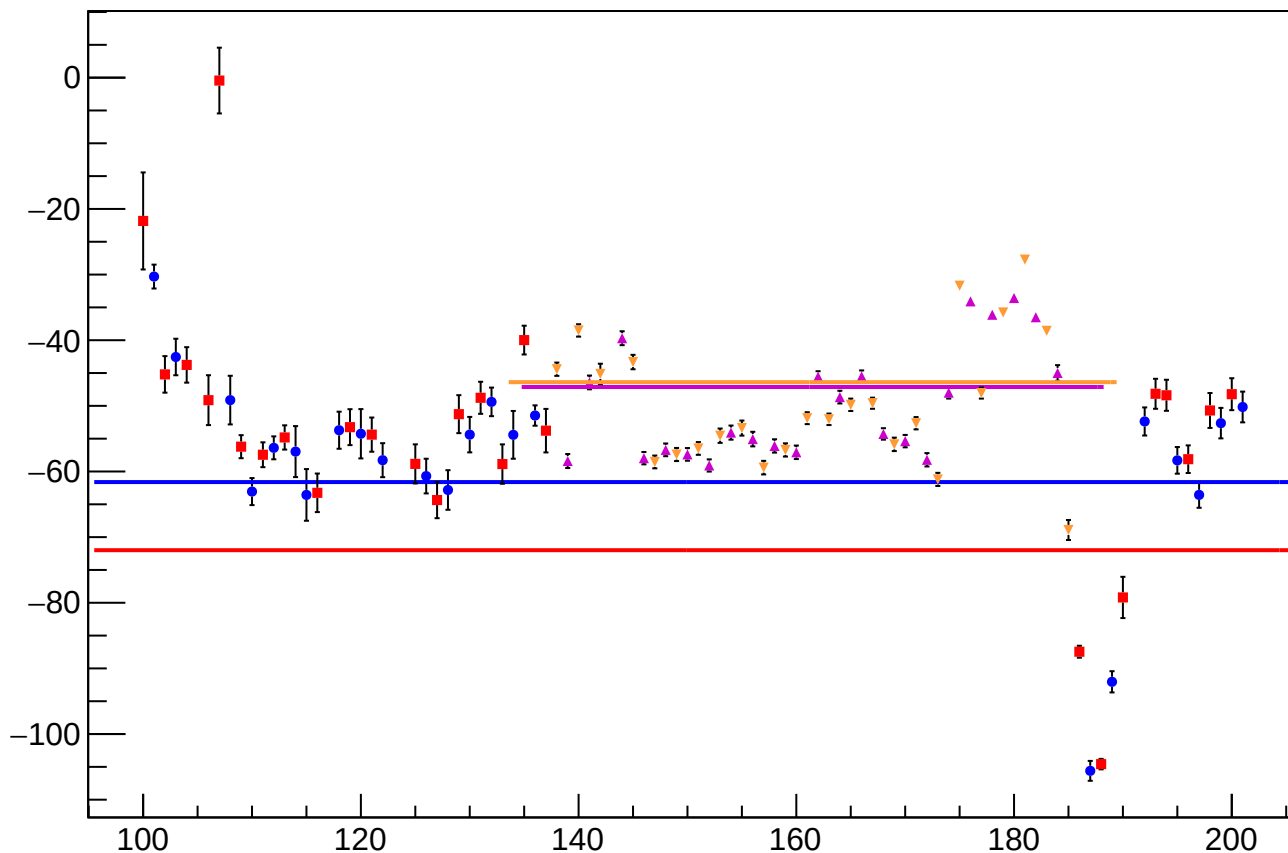
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.558 ± 0.134 χ^2/NDF : 1607.5/46

All: 2.607 ± 0.096 χ^2/NDF : 3044.0/95

- sign 2.657 ± 0.136 χ^2/NDF : 1436.2/48

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -61.613 ± 0.469 $\chi^2/\text{NDF}: 1722.4/22$

Left Out: -46.392 ± 0.187 $\chi^2/\text{NDF}: 3286.7/23$

Right Out: -71.992 ± 0.395 $\chi^2/\text{NDF}: 3620.3/25$

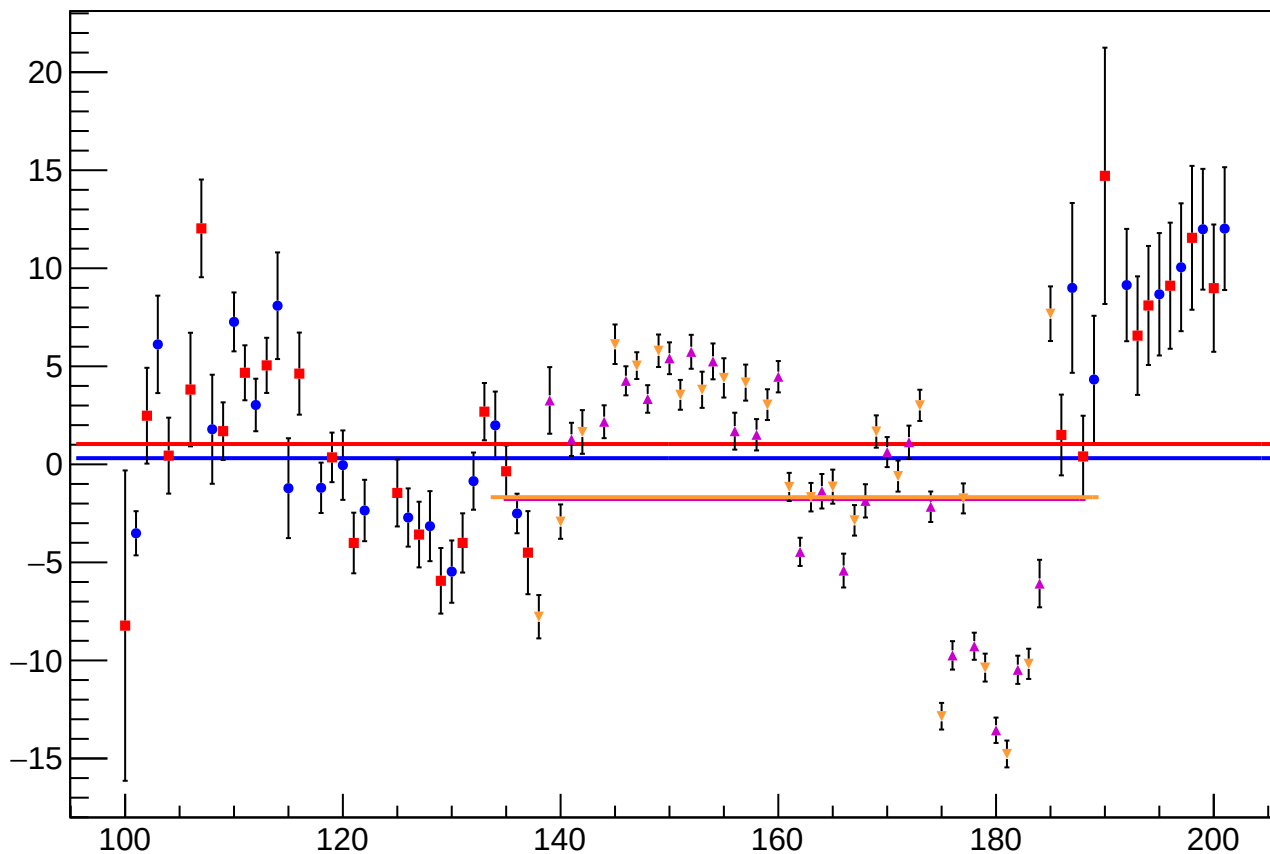
Left In: -47.128 ± 0.187 $\chi^2/\text{NDF}: 2516.0/22$

+ sign -48.471 ± 0.173 $\chi^2/\text{NDF}: 5917.9/46$

All: -50.119 ± 0.121 $\chi^2/\text{NDF}: 15467.5/95$

- sign -51.689 ± 0.169 $\chi^2/\text{NDF}: 9373.0/48$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 0.316 ± 0.369 χ^2/NDF : 145.8/22

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 1.037 ± 0.372 χ^2/NDF : 132.5/25

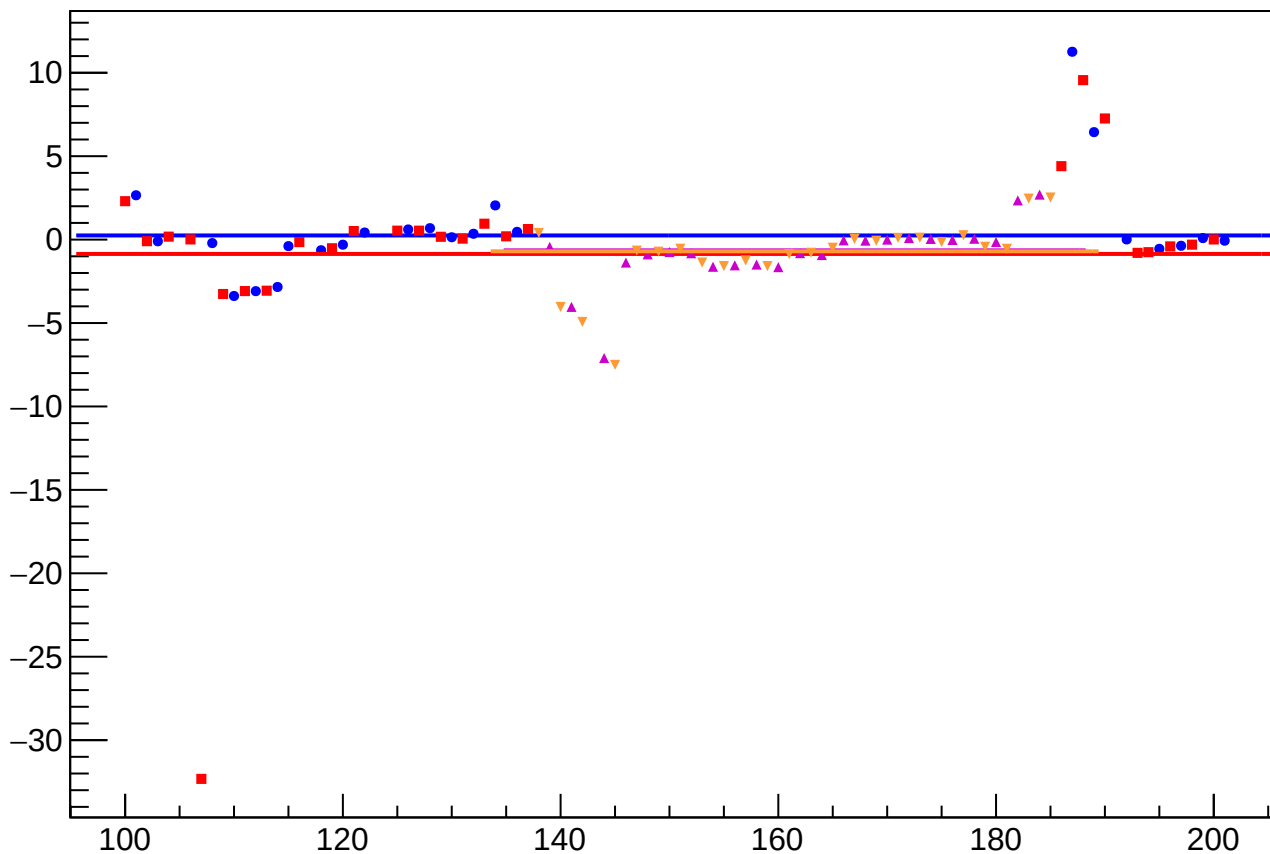
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.337 ± 0.152 χ^2/NDF : 1653.7/46

All: -1.315 ± 0.108 χ^2/NDF : 3084.6/95

- sign -1.291 ± 0.154 χ^2/NDF : 1430.9/48

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.249 ± 0.019 $\chi^2/\text{NDF}: 9245.1/22$

Left Out: -0.702 ± 0.008 $\chi^2/\text{NDF}: 53834.9/23$

Right Out: -0.858 ± 0.019 $\chi^2/\text{NDF}: 92388.3/25$

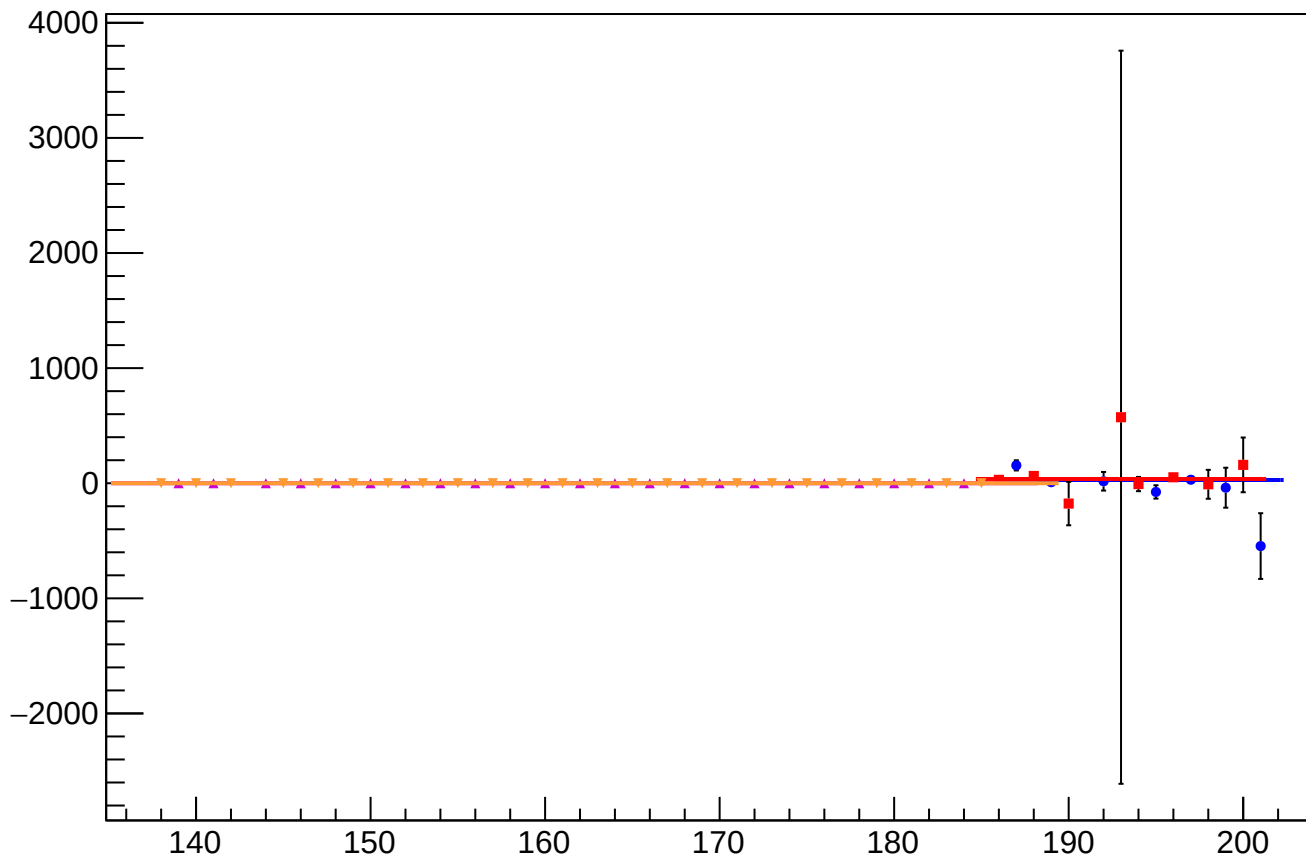
Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

+ sign -0.569 ± 0.007 $\chi^2/\text{NDF}: 65248.1/46$

All: -0.621 ± 0.005 $\chi^2/\text{NDF}: 202026.4/95$

- sign -0.674 ± 0.007 $\chi^2/\text{NDF}: 136667.6/48$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 28.147+/-18.781 χ^2/NDF : 16.2/6

Left Out: -0.037+/-0.018 χ^2/NDF : 35.4/23

Right Out: 36.946+/-9.970 χ^2/NDF : 4.3/7

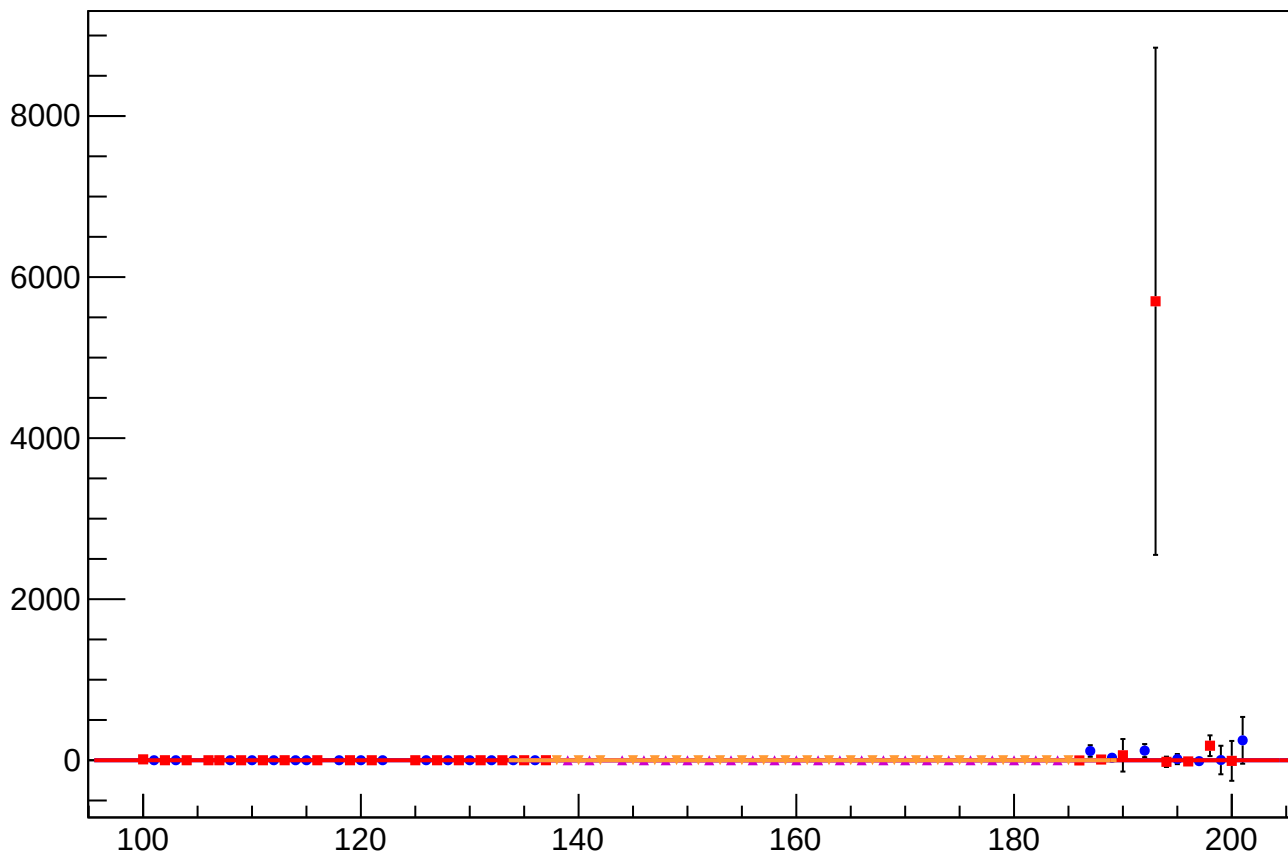
Left In: -0.010+/-0.018 χ^2/NDF : 35.1/22

+ sign -0.037+/-0.018 χ^2/NDF : 53.8/30

All: -0.024+/-0.013 χ^2/NDF : 108.2/61

- sign -0.010+/-0.018 χ^2/NDF : 53.2/30

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 18.5/22

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 18.5/25

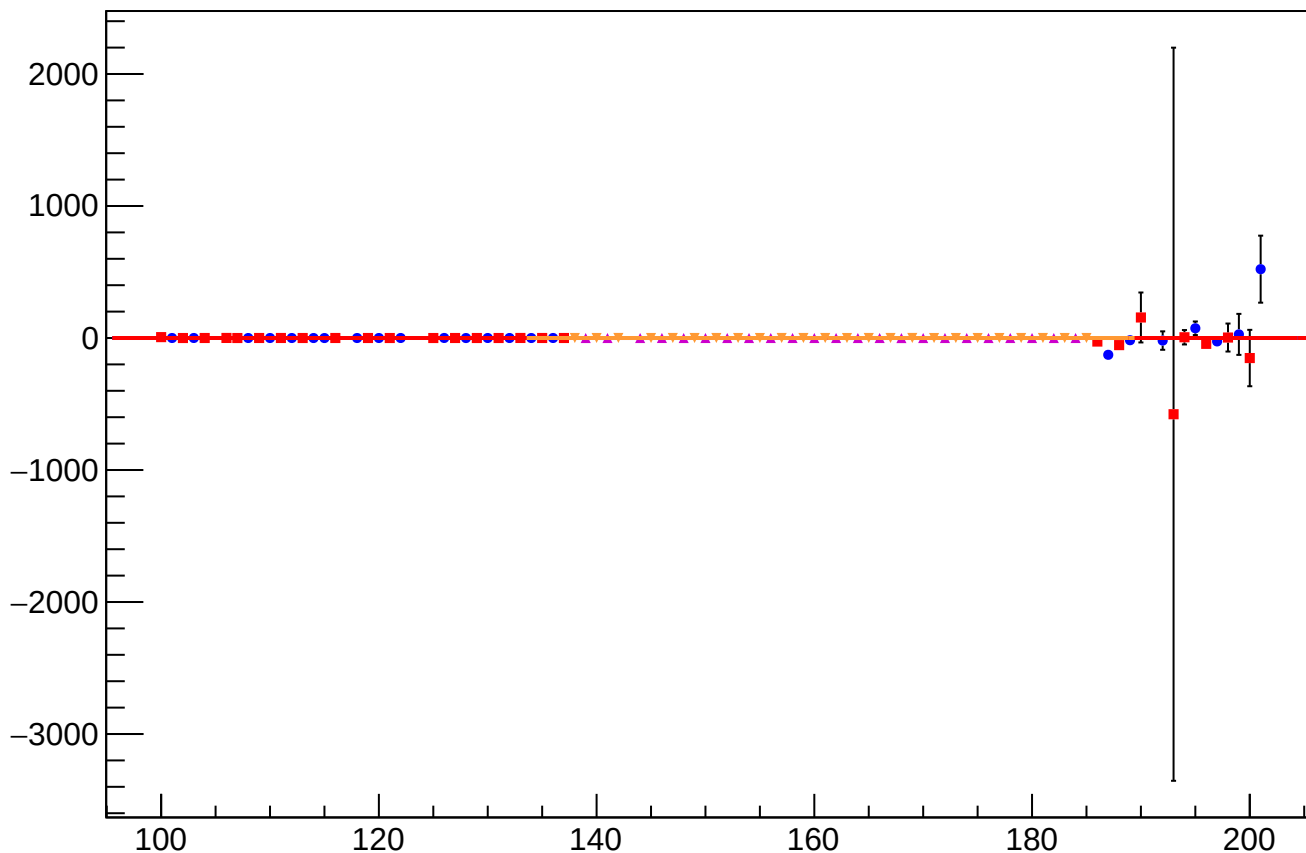
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 51.0/46

All: -0.063 ± 0.009 χ^2/NDF : 111.9/95

- sign -0.070 ± 0.012 χ^2/NDF : 60.3/48

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 29.0/22

Left Out: 0.035 $\pm$ 0.018 χ^2 /NDF:32.2/23

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 29.8/25

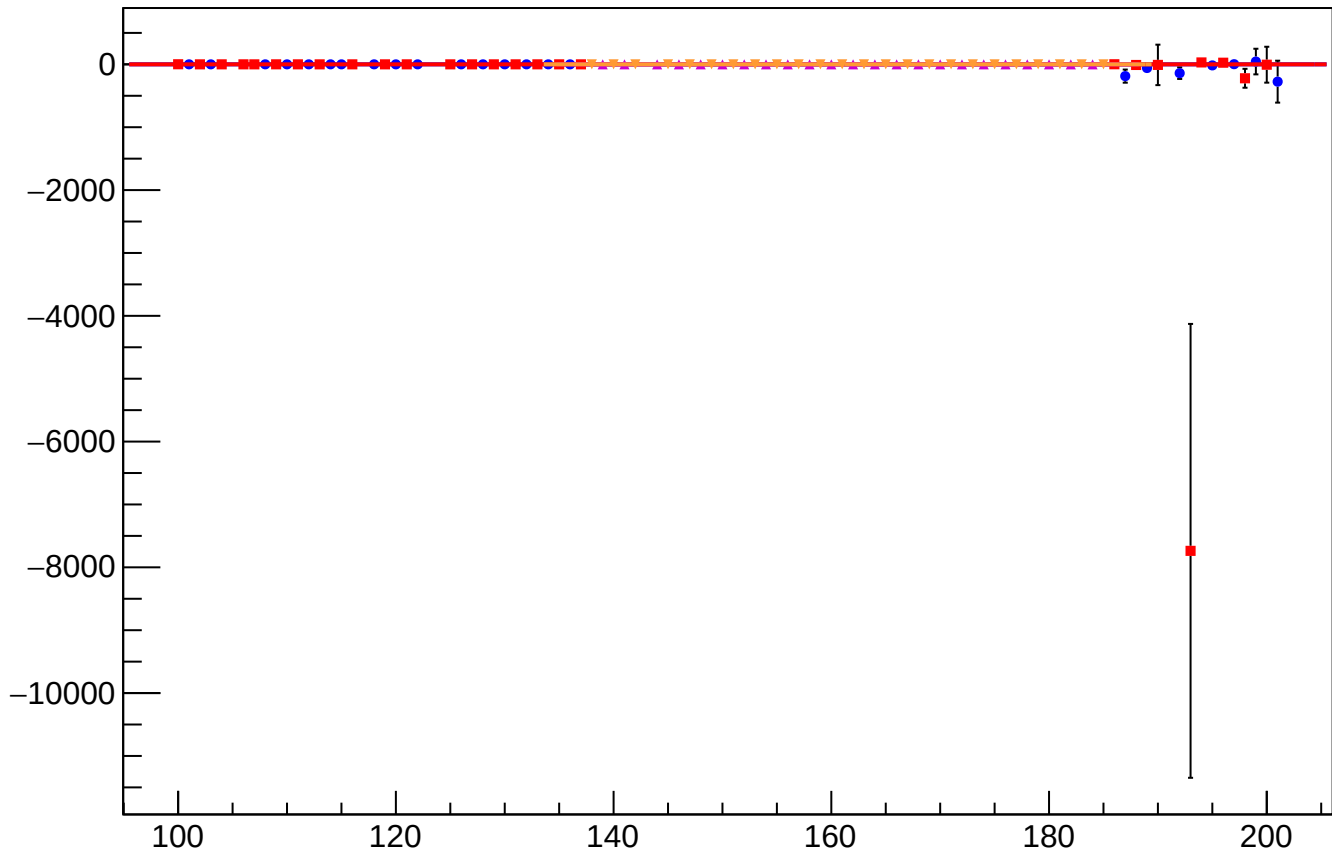
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 61.3/46

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 130.9/95

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 67.3/48

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 ± 0.027 χ^2/NDF : 19.3/22

Left Out: 0.086 ± 0.016 χ^2/NDF : 27.7/23

Right Out: 0.105 ± 0.029 χ^2/NDF : 15.3/25

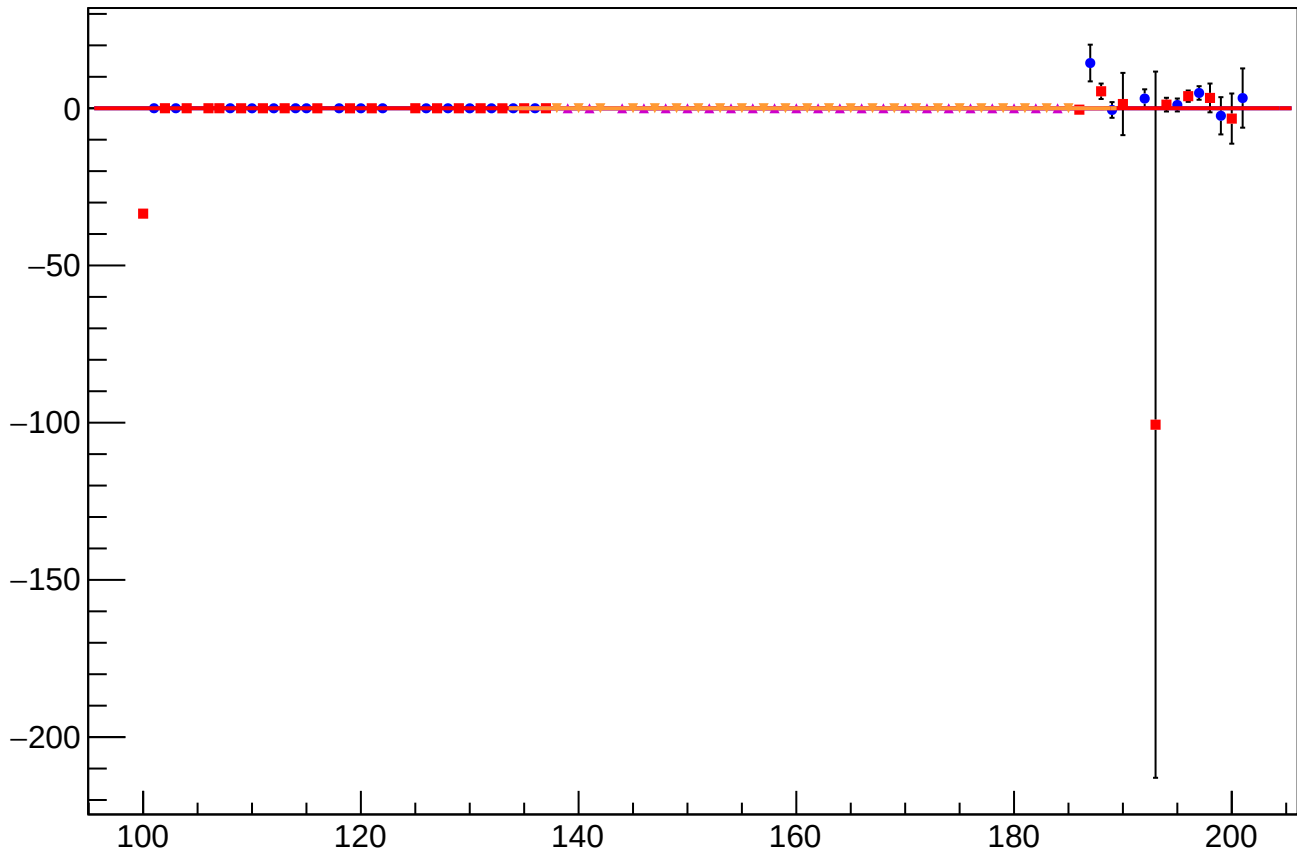
Left In: 0.070 ± 0.016 χ^2/NDF : 44.8/22

+ sign 0.066 ± 0.014 χ^2/NDF : 53.1/46

All: 0.072 ± 0.010 χ^2/NDF : 114.8/95

- sign 0.078 ± 0.014 χ^2/NDF : 61.3/48

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 34.4/22

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26520.2/25

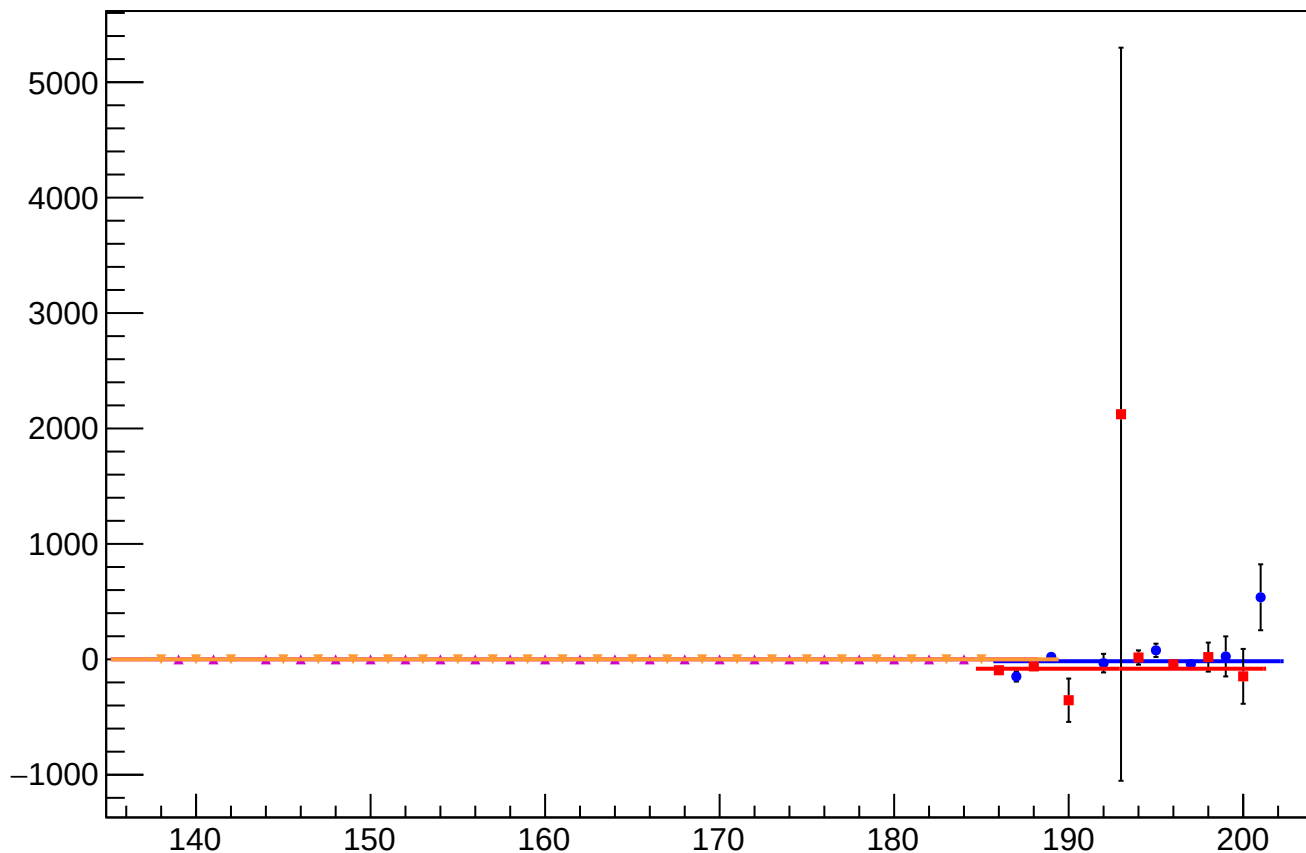
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 70.8/46

All: -0.001 ± 0.000 χ^2/NDF : 26627.3/95

- sign -0.001 ± 0.001 χ^2/NDF : 26556.4/48

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -16.400 ± 18.771 χ^2/NDF : 17.6/6

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -81.254 ± 9.973 χ^2/NDF : 8.7/7

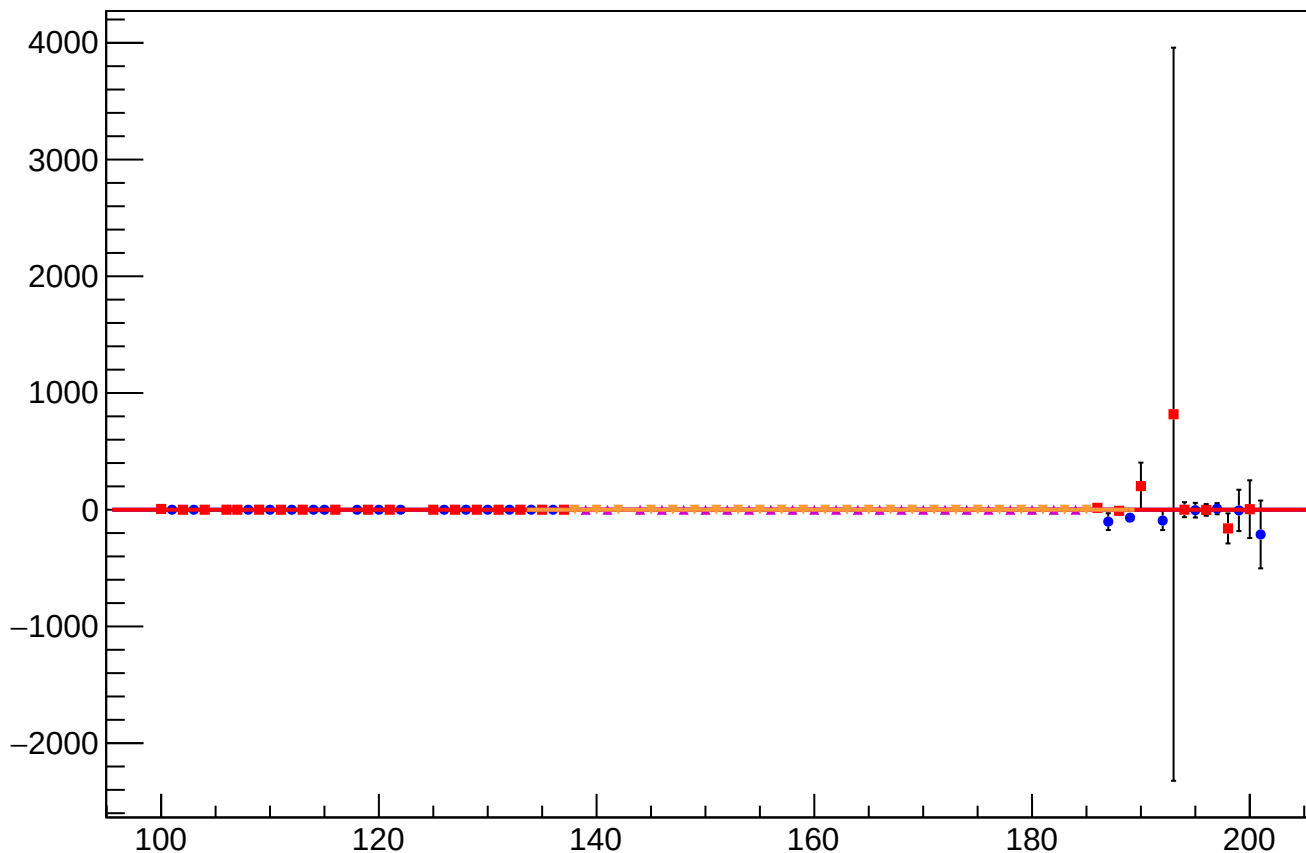
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 55.8/30

All: -0.031 ± 0.013 χ^2/NDF : 168.8/61

- sign -0.009 ± 0.018 χ^2/NDF : 110.2/30

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 ± 0.023 χ^2/NDF : 33.6/22

Left Out: -0.011 ± 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 32.6/25

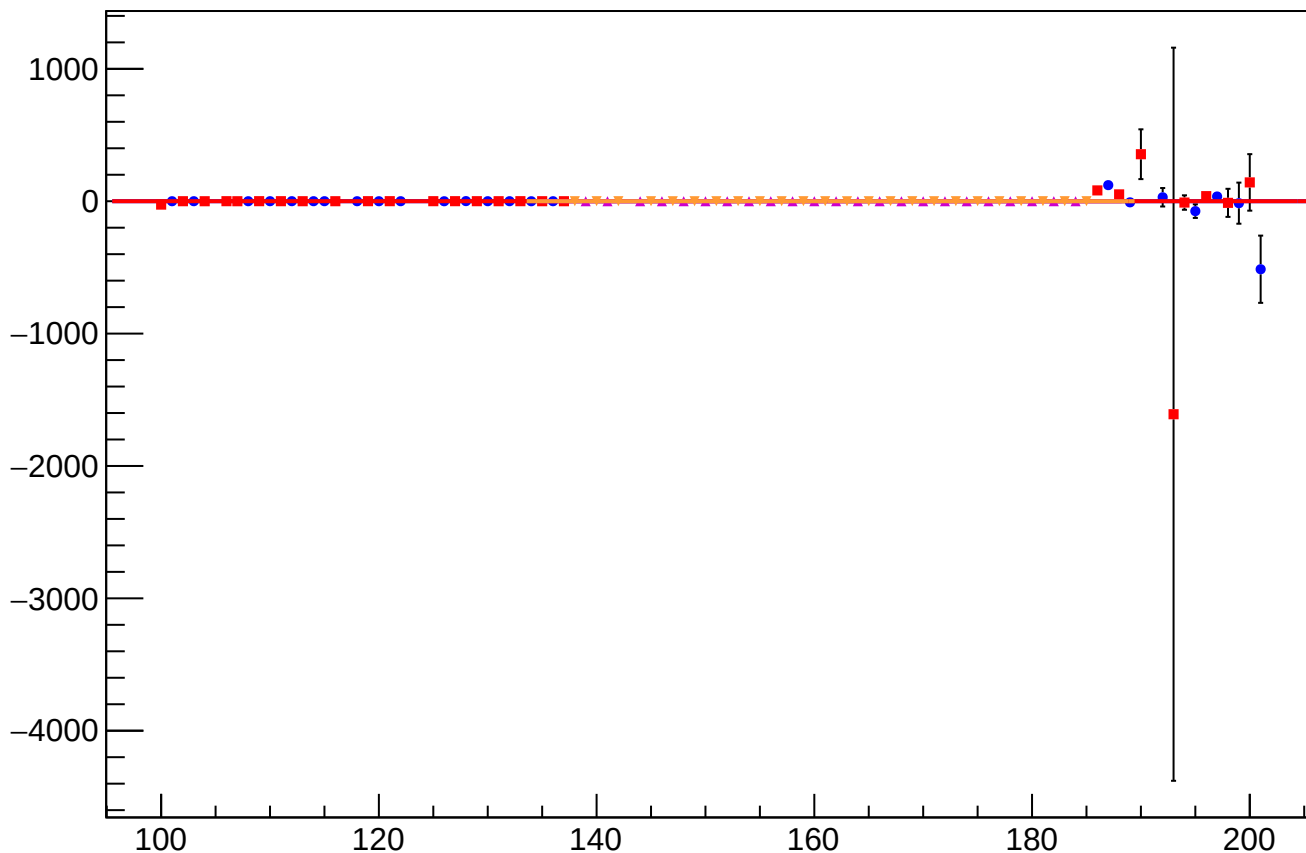
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 63.6/46

All: 0.003 ± 0.009 χ^2/NDF : 148.1/95

- sign 0.013 ± 0.012 χ^2/NDF : 83.4/48

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 48.6/22

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF: 35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 107.5/25

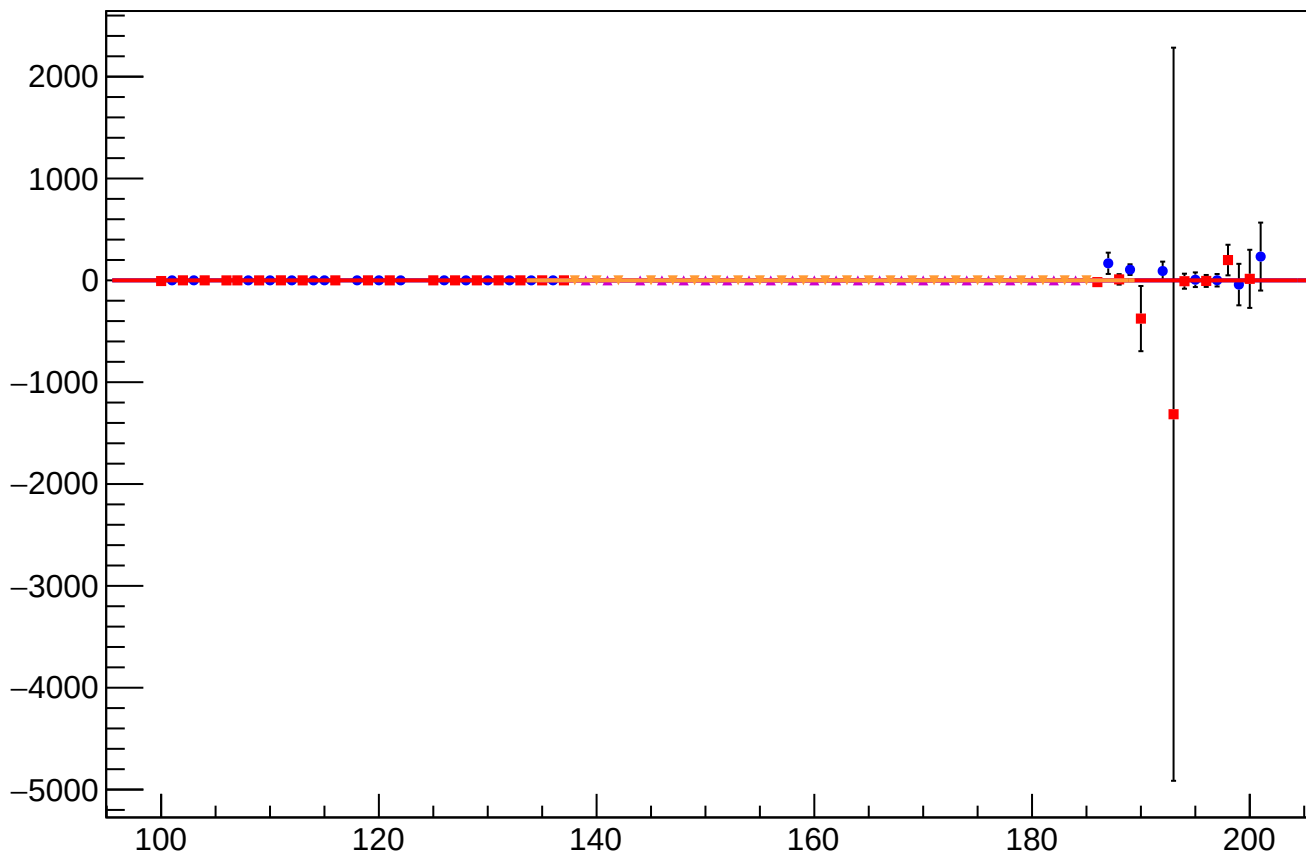
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF: 35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2 /NDF: 89.5/46

All: 0.054 $\pm$ 0.012 χ^2 /NDF: 246.9/95

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 156.7/48

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 32.8/22

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 30.2/25

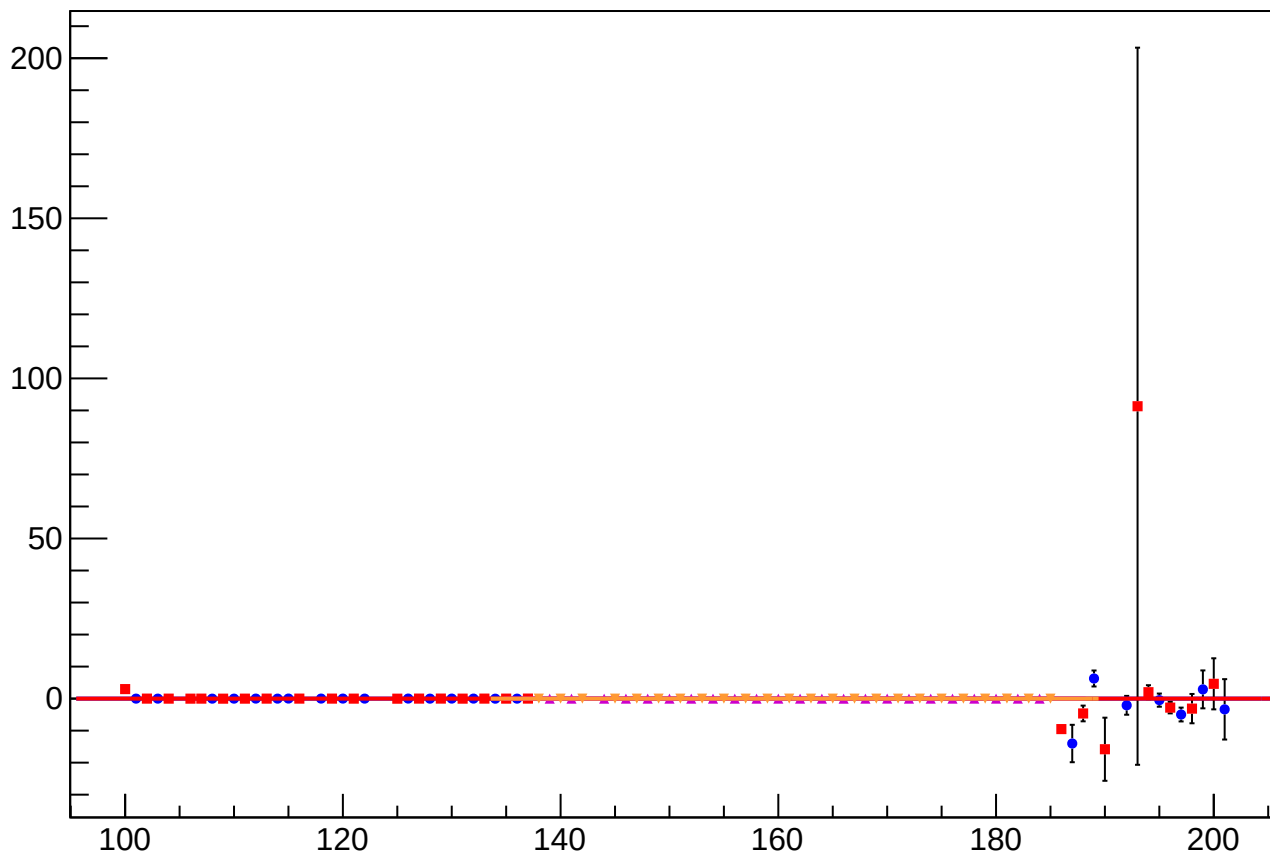
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 67.1/46

All: 0.004 ± 0.010 χ^2/NDF : 151.0/95

- sign -0.007 ± 0.014 χ^2/NDF : 82.9/48

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 45.8/22

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 213.7/25

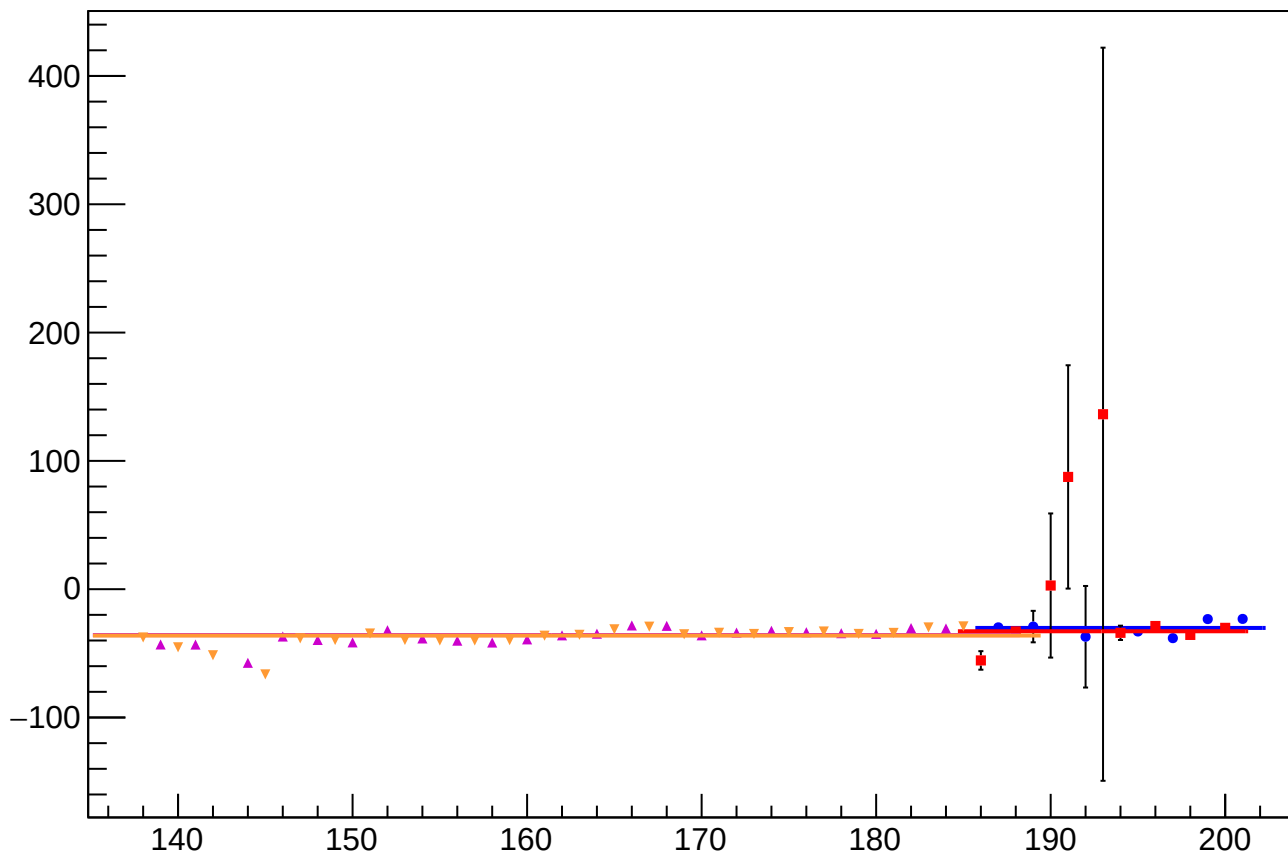
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 79.4/46

All: -0.008 ± 0.000 χ^2/NDF : 333.5/95

- sign -0.008 ± 0.001 χ^2/NDF : 253.9/48

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -30.198 ± 1.152 χ^2/NDF : 19.0/6

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.795 ± 0.963 χ^2/NDF : 16.1/8

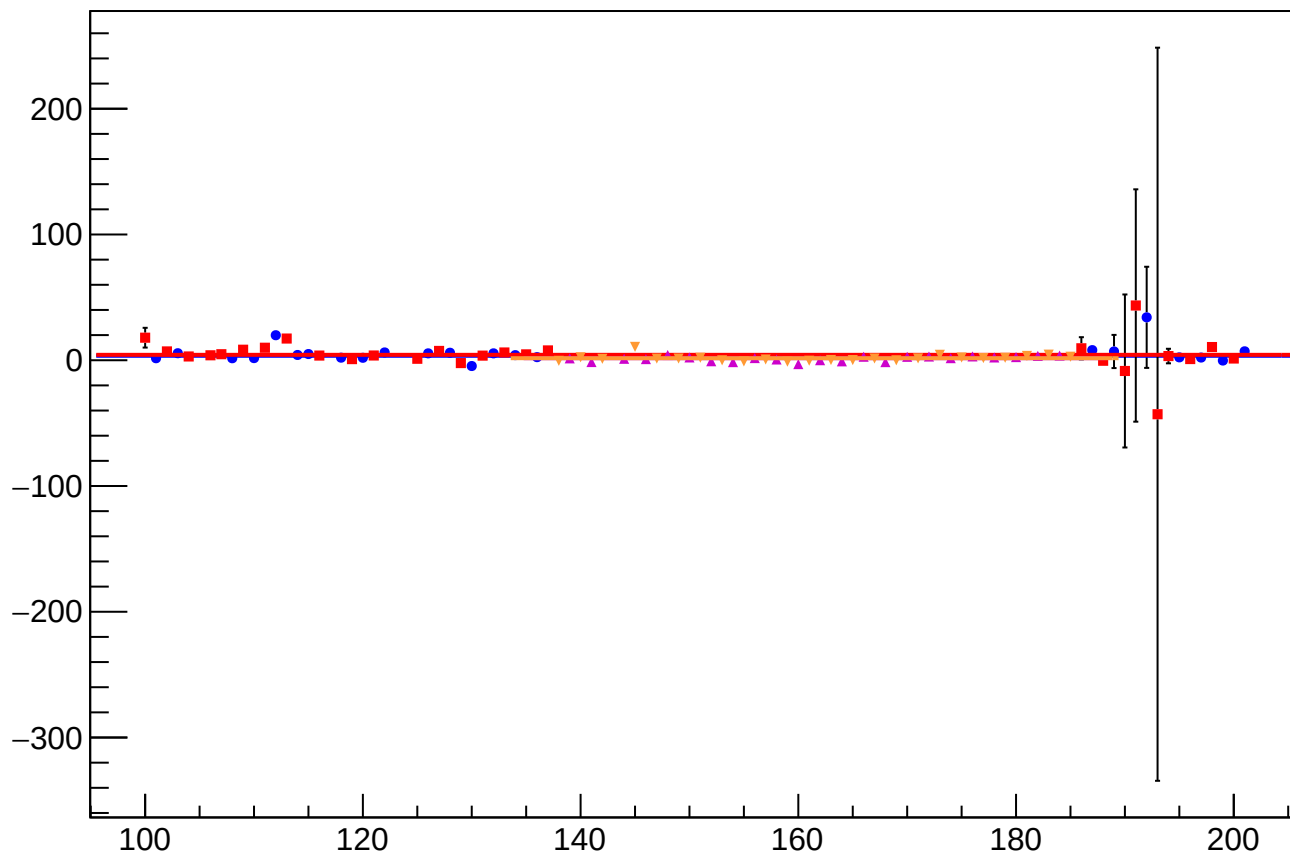
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.961 ± 0.189 χ^2/NDF : 1159.7/30

All: -35.812 ± 0.133 χ^2/NDF : 2040.3/62

- sign -35.666 ± 0.188 χ^2/NDF : 879.4/31

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.561 ± 0.218 χ^2/NDF : 445.6/22

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.308 ± 0.222 χ^2/NDF : 365.4/26

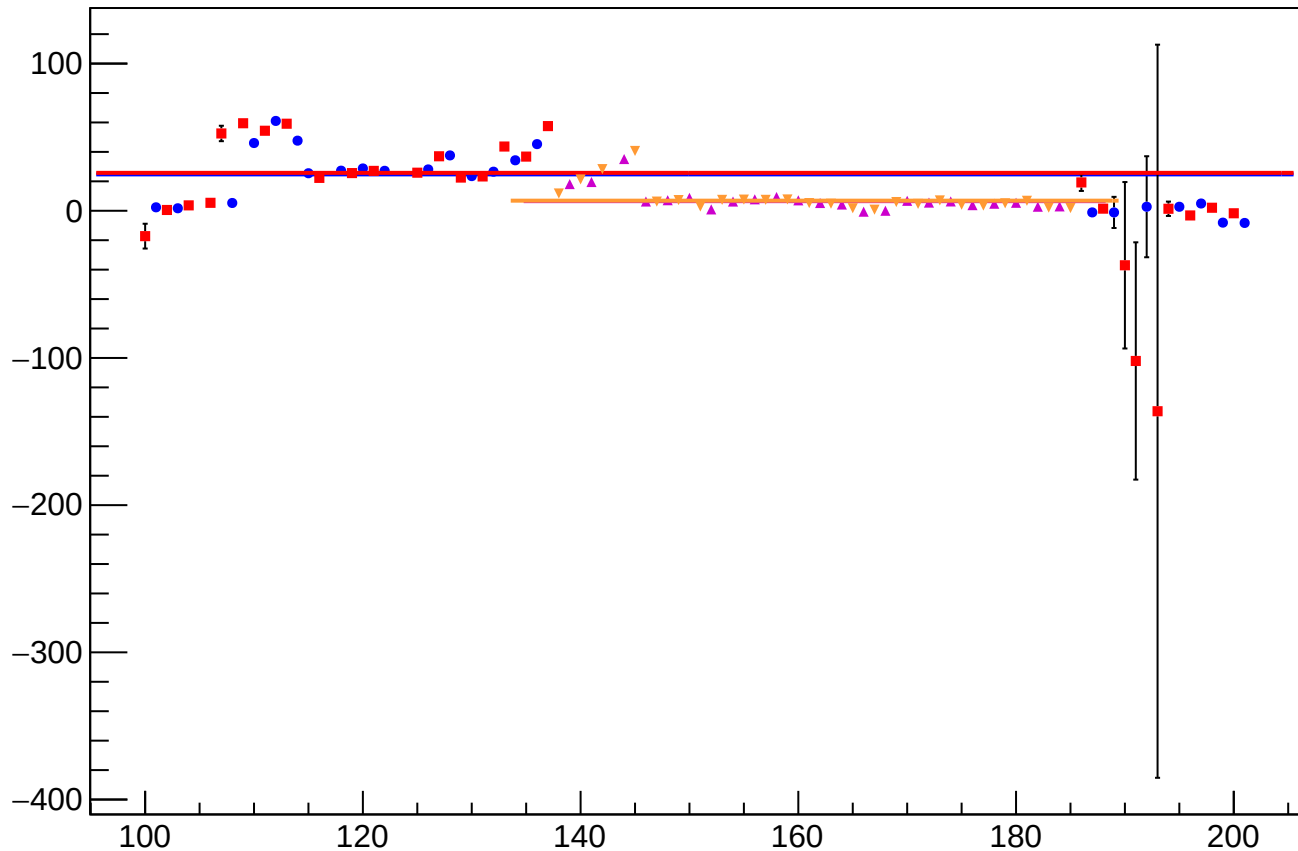
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.241 ± 0.122 χ^2/NDF : 665.6/46

All: 2.356 ± 0.087 χ^2/NDF : 1295.4/96

- sign 2.474 ± 0.124 χ^2/NDF : 628.0/49

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 24.714 $\pm$ 0.386 χ^2 /NDF: 2333.0/22

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF: 1295.7/23

Right Out: 25.757 $\pm$ 0.374 χ^2 /NDF: 2920.5/26

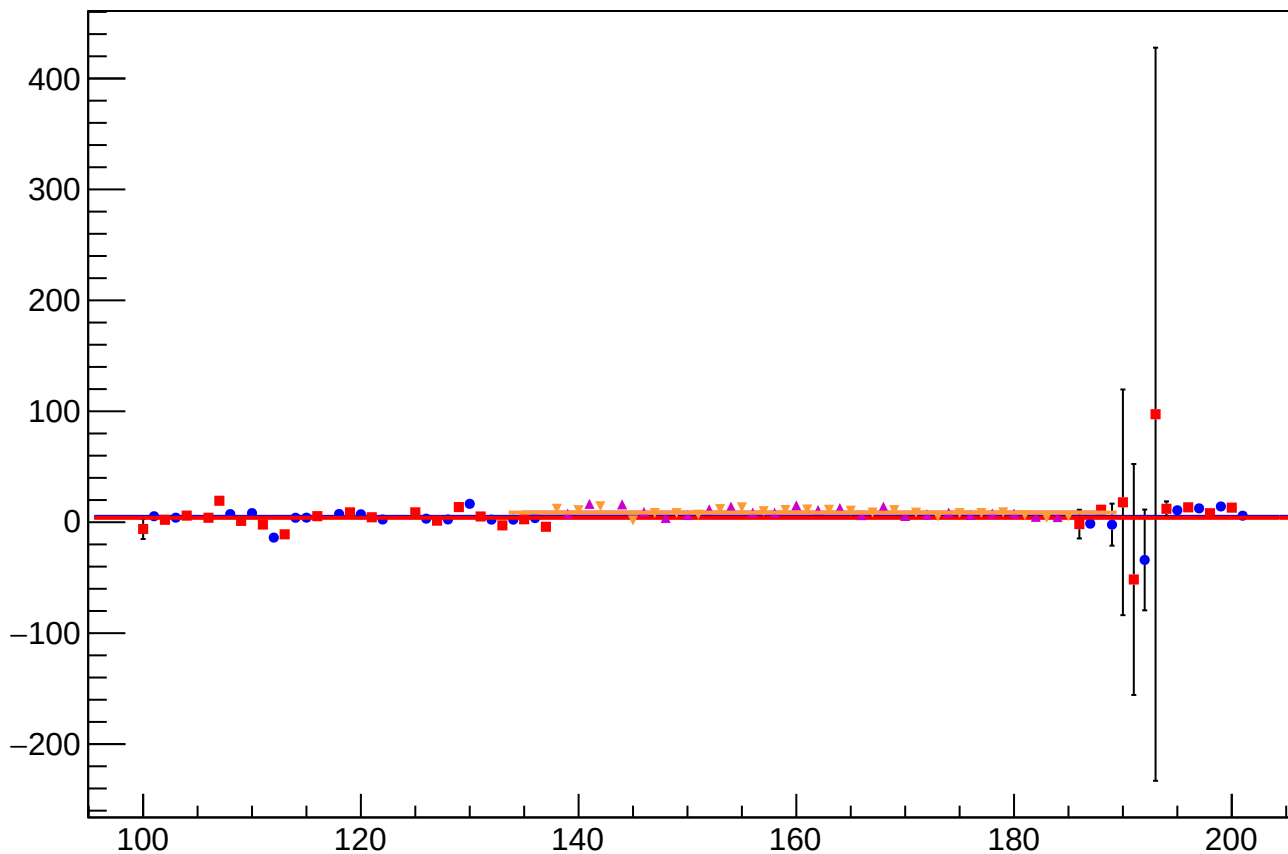
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.390 $\pm$ 0.171 χ^2 /NDF: 5346.0/46

All: 10.444 $\pm$ 0.121 χ^2 /NDF: 11392.2/96

- sign 10.497 $\pm$ 0.170 χ^2 /NDF: 6045.9/49

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.841 ± 0.252 χ^2/NDF : 562.9/22

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.965 ± 0.256 χ^2/NDF : 587.1/26

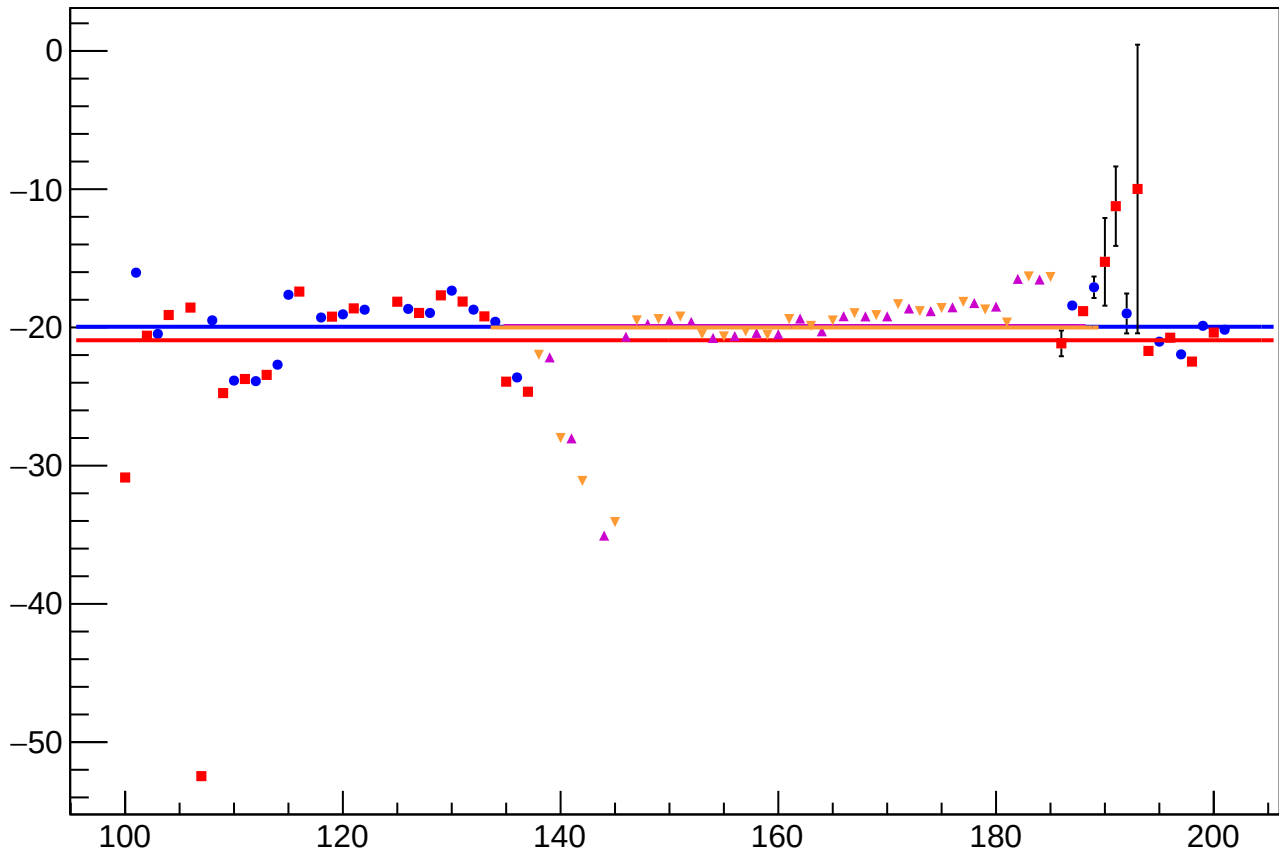
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.498 ± 0.140 χ^2/NDF : 965.4/46

All: 7.363 ± 0.100 χ^2/NDF : 2225.2/96

- sign 7.226 ± 0.142 χ^2/NDF : 1258.0/49

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.951 ± 0.015 $\chi^2/\text{NDF}: 26447.3/22$

Left Out: -20.006 ± 0.008 $\chi^2/\text{NDF}: 171763.9/23$

Right Out: -20.928 ± 0.015 $\chi^2/\text{NDF}: 94437.3/26$

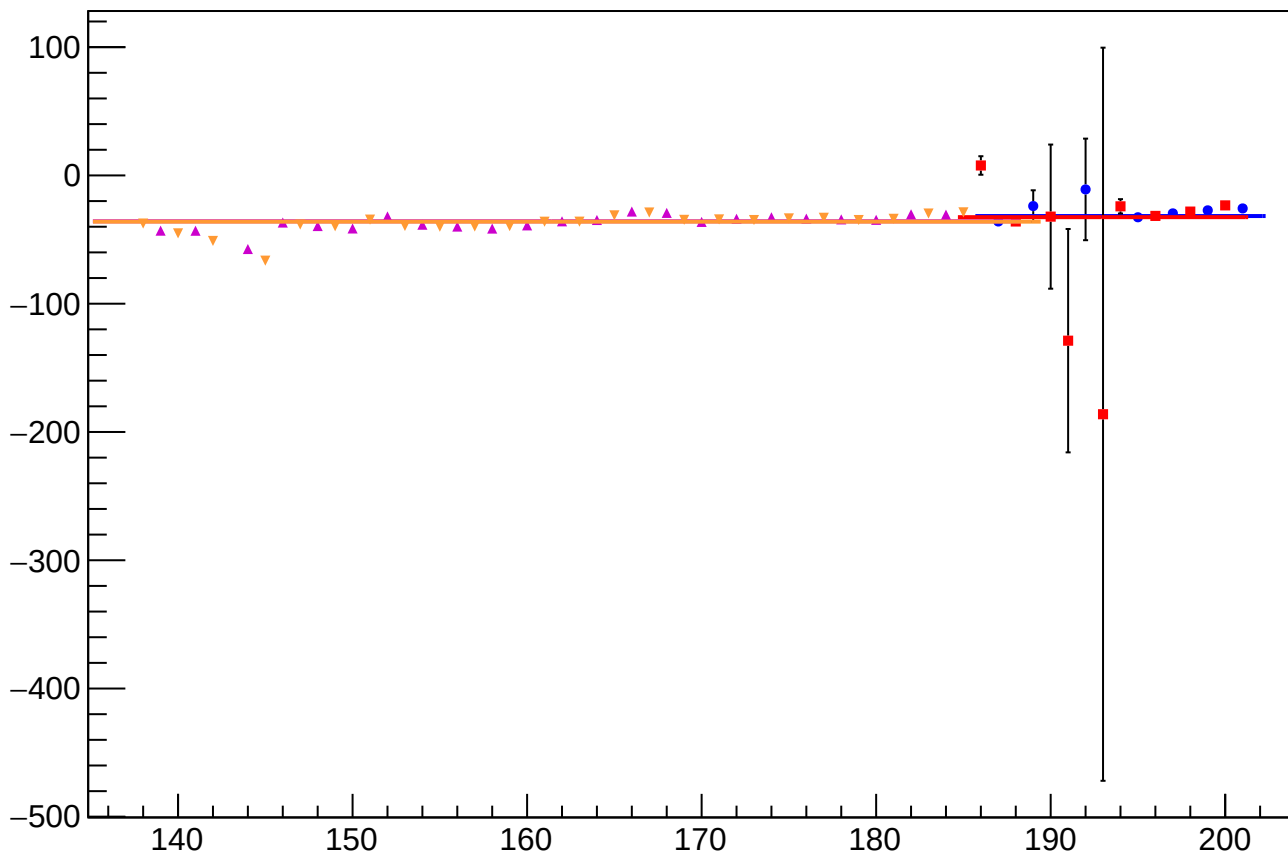
Left In: -19.898 ± 0.008 $\chi^2/\text{NDF}: 144191.9/22$

+ sign -19.994 ± 0.007 $\chi^2/\text{NDF}: 198221.4/46$

All: -20.055 ± 0.005 $\chi^2/\text{NDF}: 440636.7/96$

- sign -20.115 ± 0.007 $\chi^2/\text{NDF}: 242264.9/49$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.665 ± 1.156 $\chi^2/\text{NDF}: 11.6/6$

Left Out: -36.031 ± 0.192 $\chi^2/\text{NDF}: 1121.3/23$

Right Out: -32.536 ± 0.966 $\chi^2/\text{NDF}: 52.9/8$

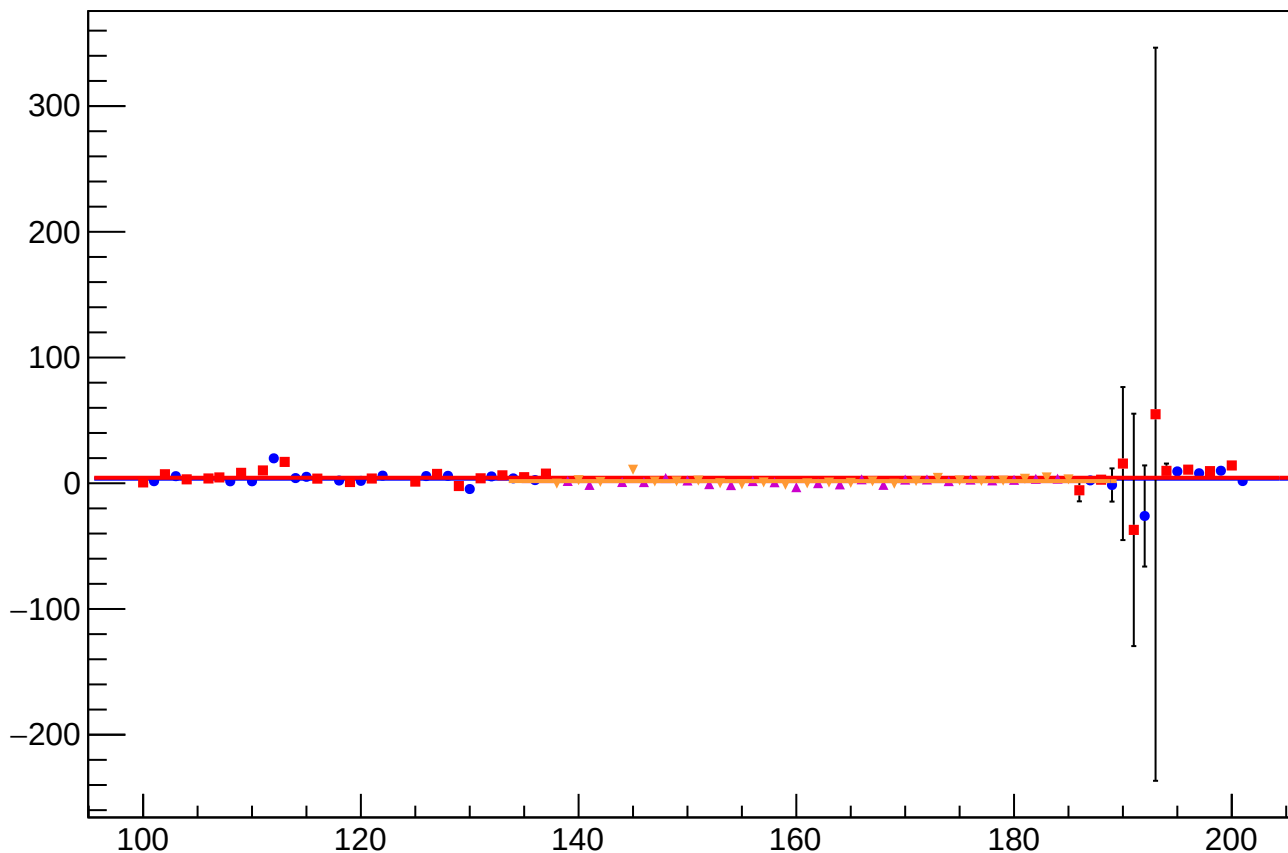
Left In: -35.766 ± 0.191 $\chi^2/\text{NDF}: 842.6/22$

+ sign -35.914 ± 0.189 $\chi^2/\text{NDF}: 1146.7/30$

All: -35.778 ± 0.133 $\chi^2/\text{NDF}: 2054.0/62$

- sign -35.645 ± 0.188 $\chi^2/\text{NDF}: 906.3/31$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.623 $\pm$ 0.218 χ^2 /NDF: 447.6/22

Left Out: 1.724 $\pm$ 0.148 χ^2 /NDF: 168.2/23

Right Out: 4.382 $\pm$ 0.218 χ^2 /NDF: 370.0/26

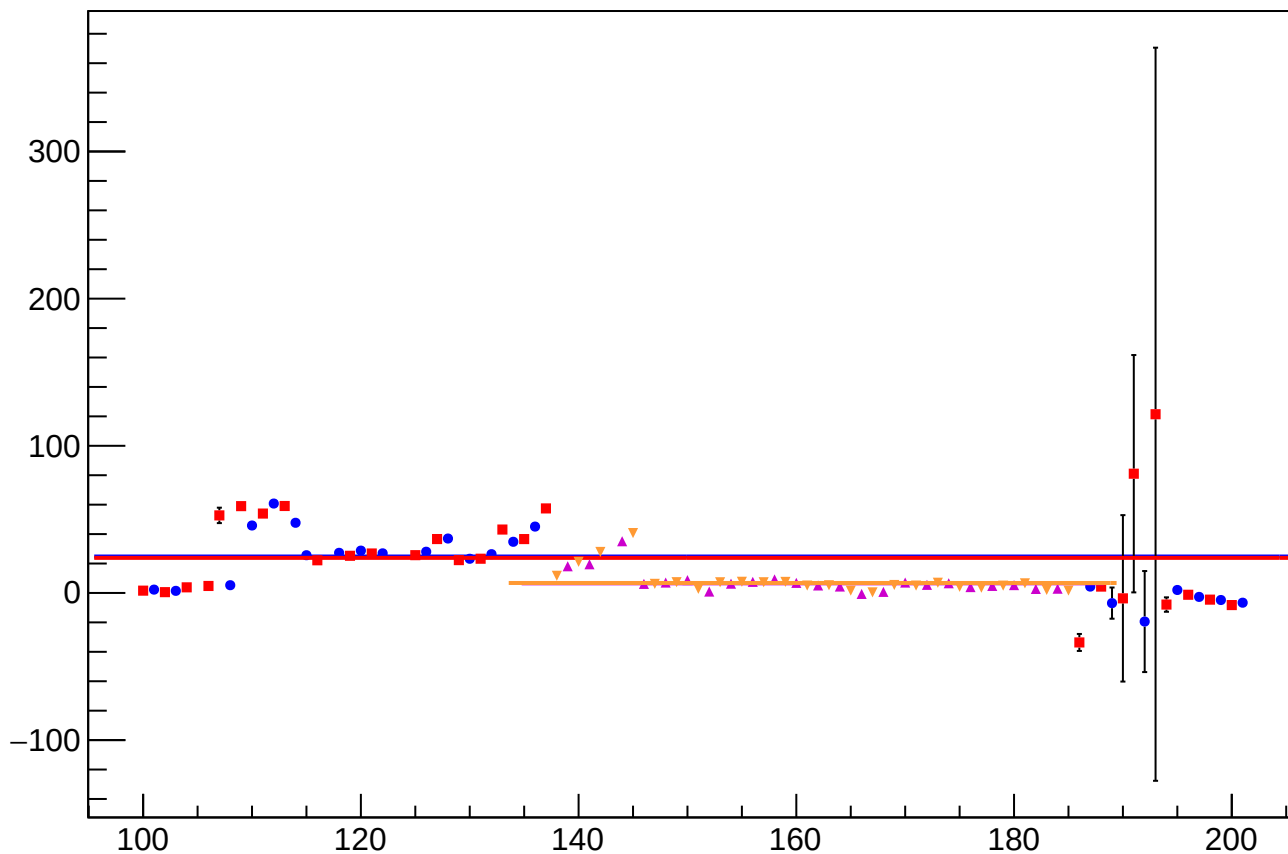
Left In: 1.705 $\pm$ 0.149 χ^2 /NDF: 163.0/22

+ sign 2.322 $\pm$ 0.122 χ^2 /NDF: 667.9/46

All: 2.440 $\pm$ 0.087 χ^2 /NDF: 1305.2/96

- sign 2.559 $\pm$ 0.123 χ^2 /NDF: 635.4/49

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 24.762 $\pm$ 0.386 χ^2 /NDF: 2255.4/22

Left Out: 6.779 $\pm$ 0.191 χ^2 /NDF: 1297.7/23

Right Out: 23.846 $\pm$ 0.360 χ^2 /NDF: 3227.4/26

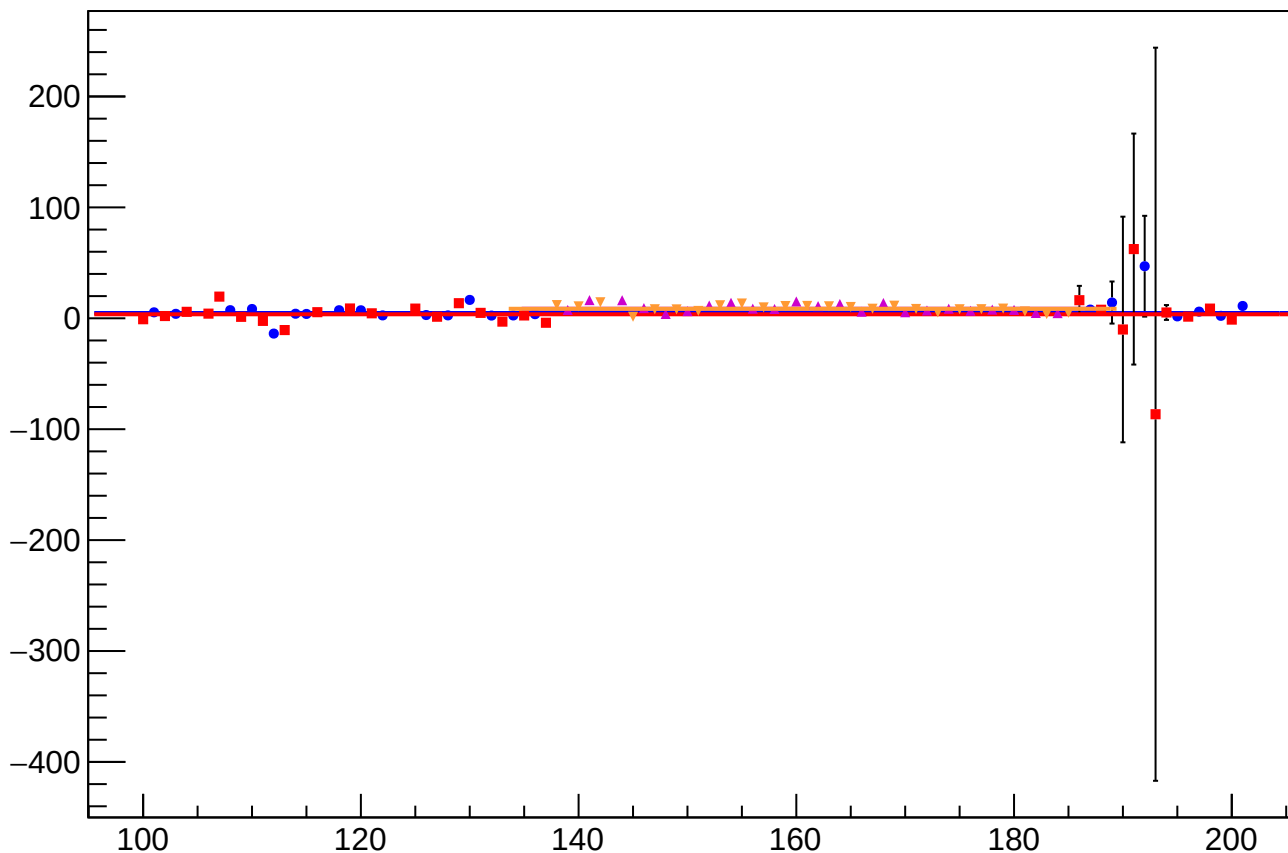
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.327 $\pm$ 0.171 χ^2 /NDF: 5296.8/46

All: 10.323 $\pm$ 0.120 χ^2 /NDF: 11353.4/96

- sign 10.319 $\pm$ 0.168 χ^2 /NDF: 6056.6/49

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.769 $\pm$ 0.252 χ^2 /NDF: 548.5/22

Left Out: 8.585 $\pm$ 0.169 χ^2 /NDF: 245.5/23

Right Out: 3.607 $\pm$ 0.252 χ^2 /NDF: 577.5/26

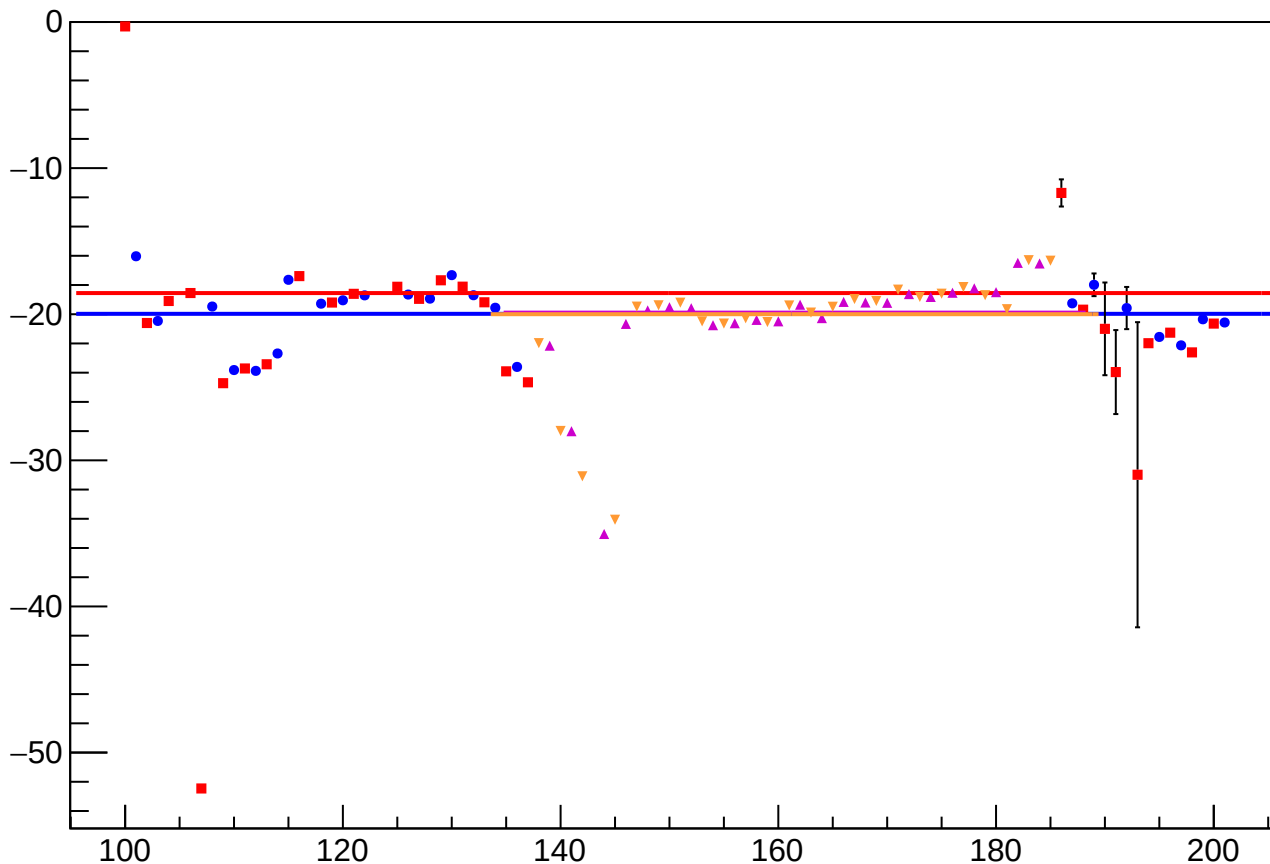
Left In: 8.585 $\pm$ 0.170 χ^2 /NDF: 441.8/22

+ sign 7.400 $\pm$ 0.140 χ^2 /NDF: 952.6/46

All: 7.213 $\pm$ 0.099 χ^2 /NDF: 2244.1/96

- sign 7.024 $\pm$ 0.141 χ^2 /NDF: 1287.9/49

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.972 ± 0.015 χ^2/NDF : 26604.9/22

Left Out: -19.998 ± 0.008 χ^2/NDF : 171944.6/23

Right Out: -18.552 ± 0.014 χ^2/NDF : 303646.0/26

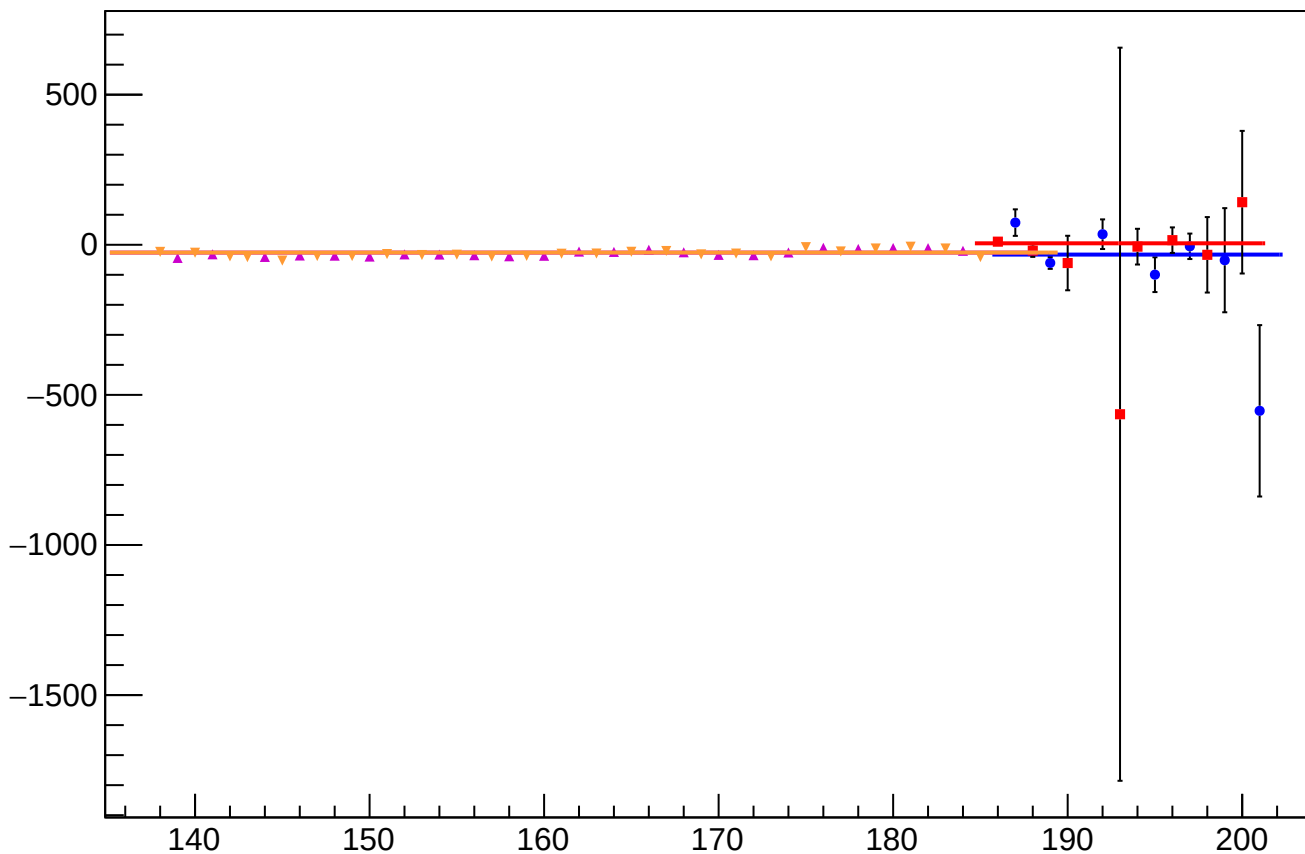
Left In: -19.890 ± 0.008 χ^2/NDF : 144055.2/22

+ sign -19.992 ± 0.007 χ^2/NDF : 198551.9/46

All: -19.783 ± 0.005 χ^2/NDF : 654750.9/96

- sign -19.581 ± 0.007 χ^2/NDF : 454439.1/49

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -32.667 ± 15.119 χ^2/NDF : 14.8/6

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 4.902 ± 8.292 χ^2/NDF : 3.0/7

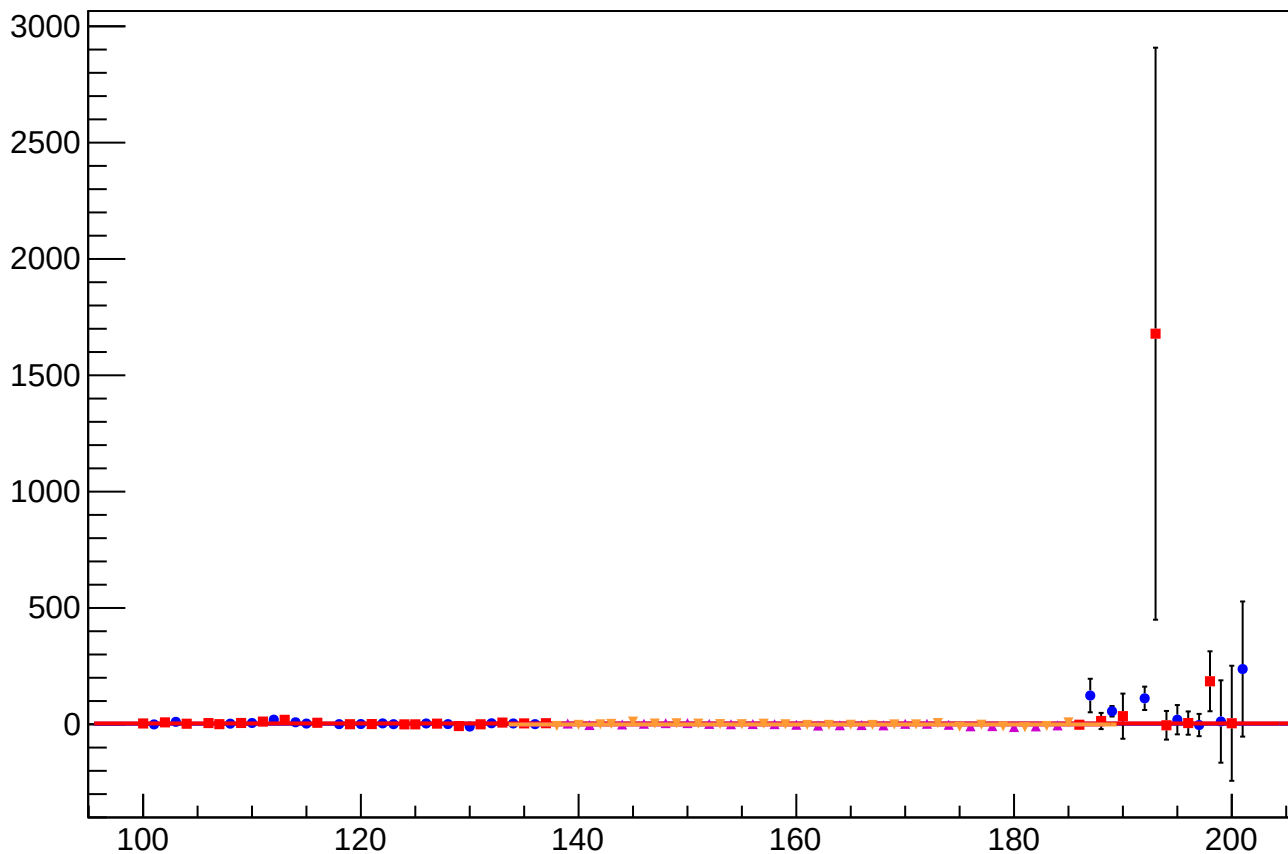
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.886 ± 0.192 χ^2/NDF : 4172.9/31

All: -25.959 ± 0.137 χ^2/NDF : 7469.6/62

- sign -26.035 ± 0.195 χ^2/NDF : 3296.4/30

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.472 ± 0.315 χ^2/NDF : 308.3/23

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.712 ± 0.327 χ^2/NDF : 273.4/26

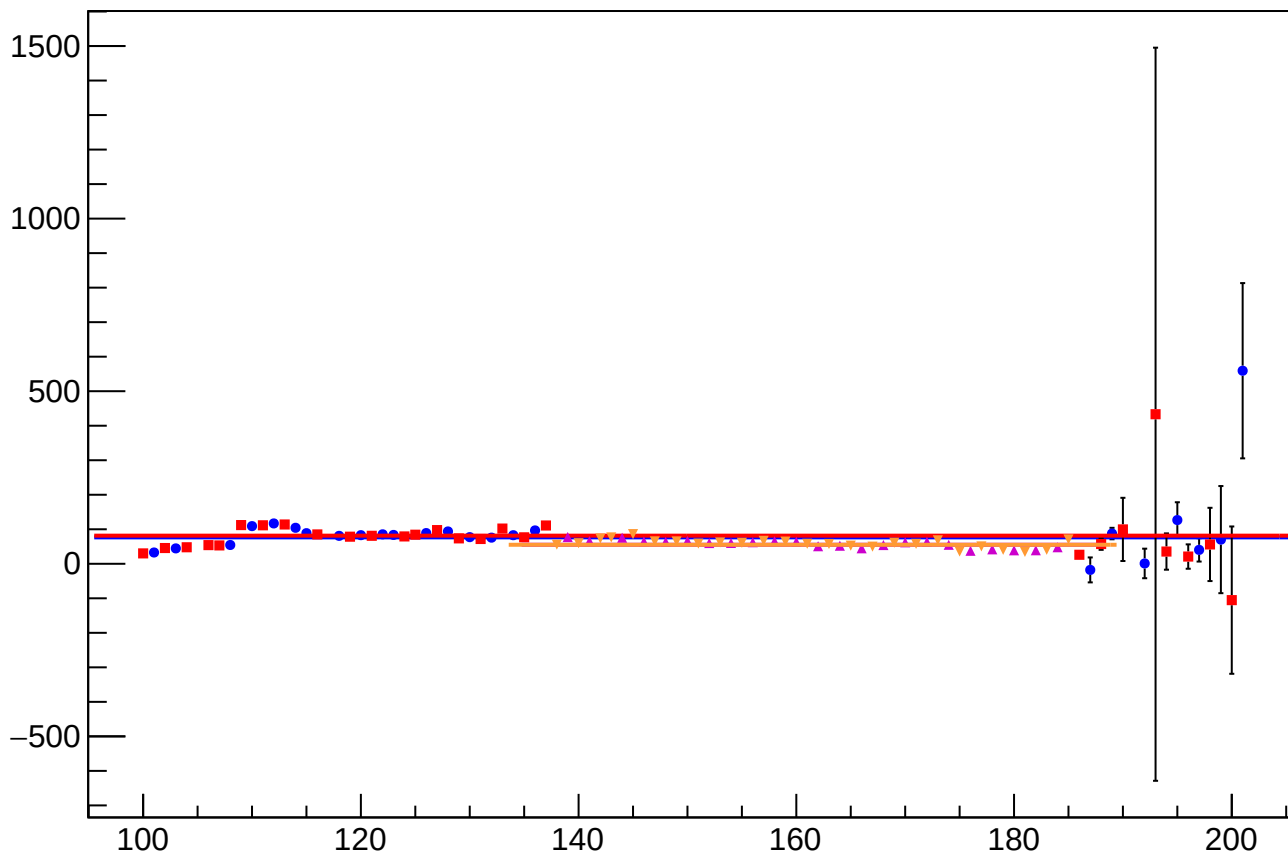
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.100 ± 0.133 χ^2/NDF : 1710.3/48

All: -0.082 ± 0.095 χ^2/NDF : 3212.1/98

- sign -0.062 ± 0.137 χ^2/NDF : 1501.8/49

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.528 $\pm$ 0.576 χ^2 /NDF: 2268.8/23

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.493 $\pm$ 0.591 χ^2 /NDF: 1631.3/26

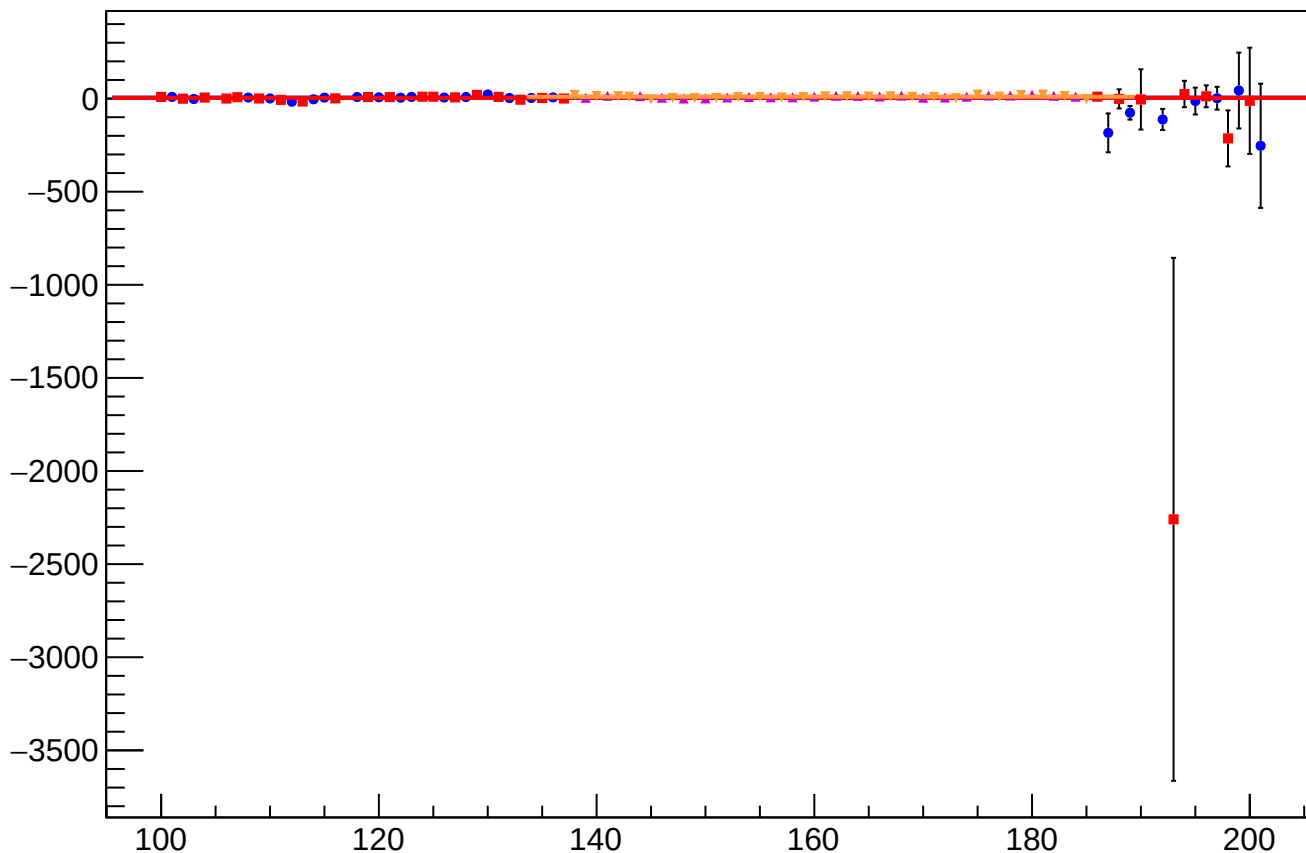
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.229 $\pm$ 0.182 χ^2 /NDF: 8093.4/48

All: 57.427 $\pm$ 0.129 χ^2 /NDF: 15237.8/98

- sign 57.631 $\pm$ 0.184 χ^2 /NDF: 7141.9/49

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.412 ± 0.361 $\chi^2/\text{NDF}: 398.9/23$

Left Out: 9.737 ± 0.168 $\chi^2/\text{NDF}: 1450.2/24$

Right Out: 3.584 ± 0.375 $\chi^2/\text{NDF}: 426.6/26$

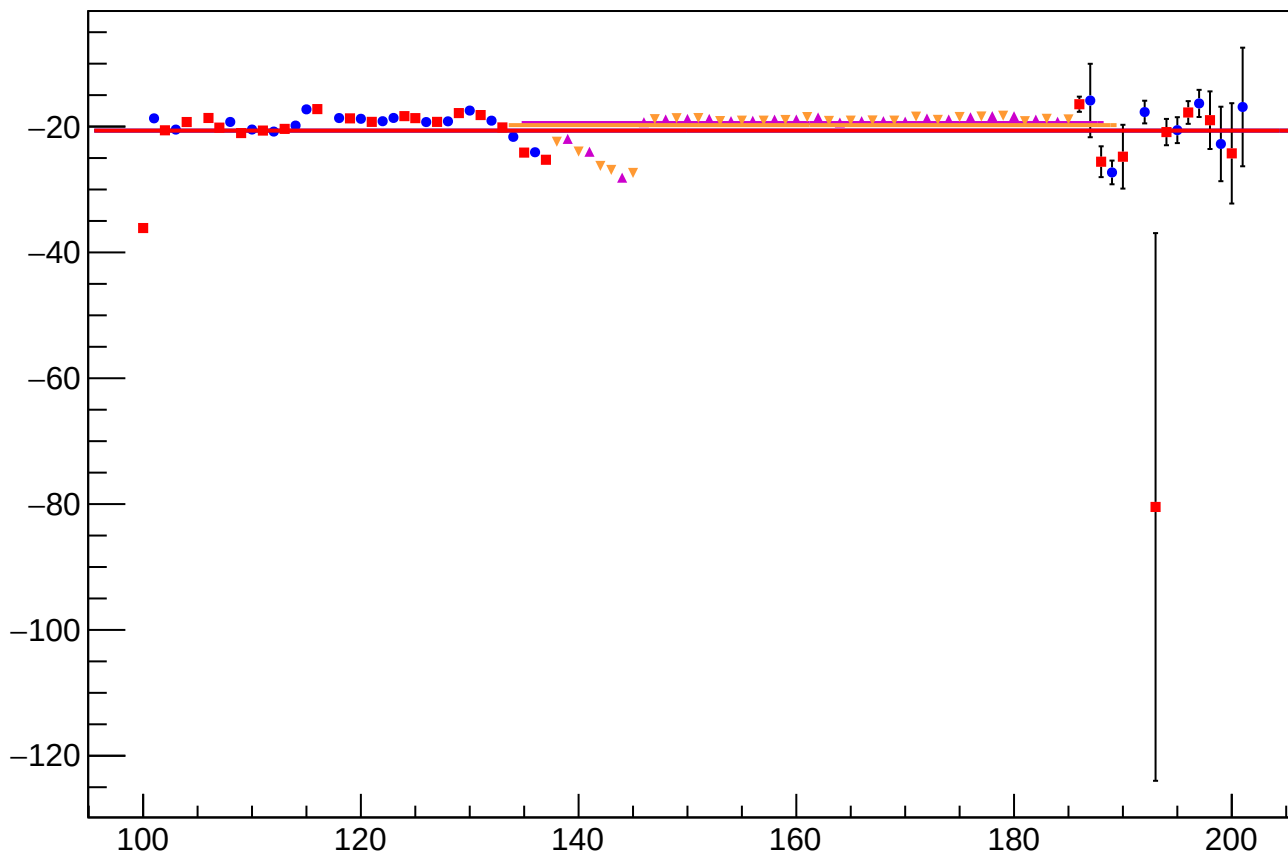
Left In: 9.803 ± 0.172 $\chi^2/\text{NDF}: 1158.7/22$

+ sign 8.968 ± 0.152 $\chi^2/\text{NDF}: 1967.2/48$

All: 8.851 ± 0.109 $\chi^2/\text{NDF}: 3780.7/98$

- sign 8.728 ± 0.156 $\chi^2/\text{NDF}: 1812.3/49$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12444.3/23$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.639 ± 0.019 $\chi^2/\text{NDF}: 13807.4/26$

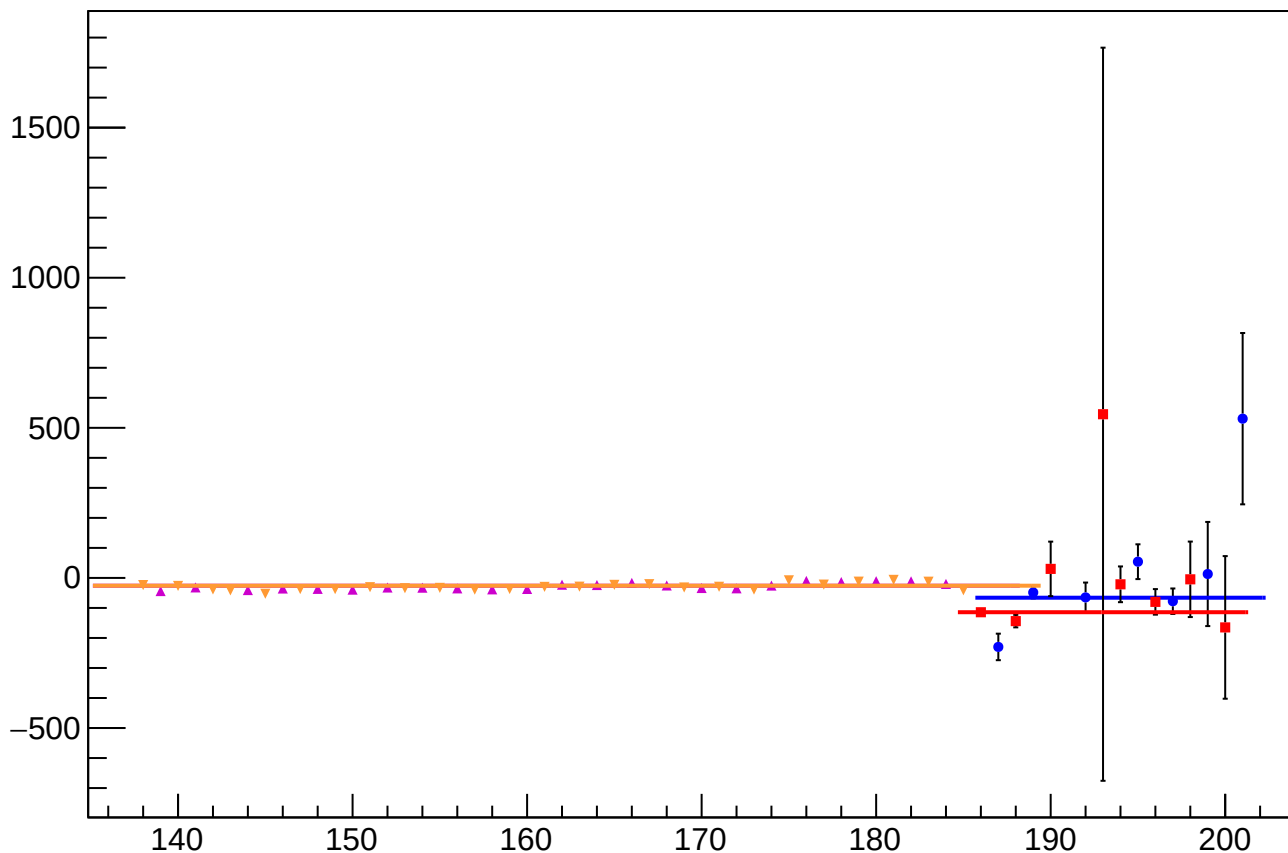
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105823.1/48$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176829.4/98$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70253.9/49$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -65.924 ± 15.131 χ^2/NDF : 23.5/6

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -114.235 ± 8.298 χ^2/NDF : 8.7/7

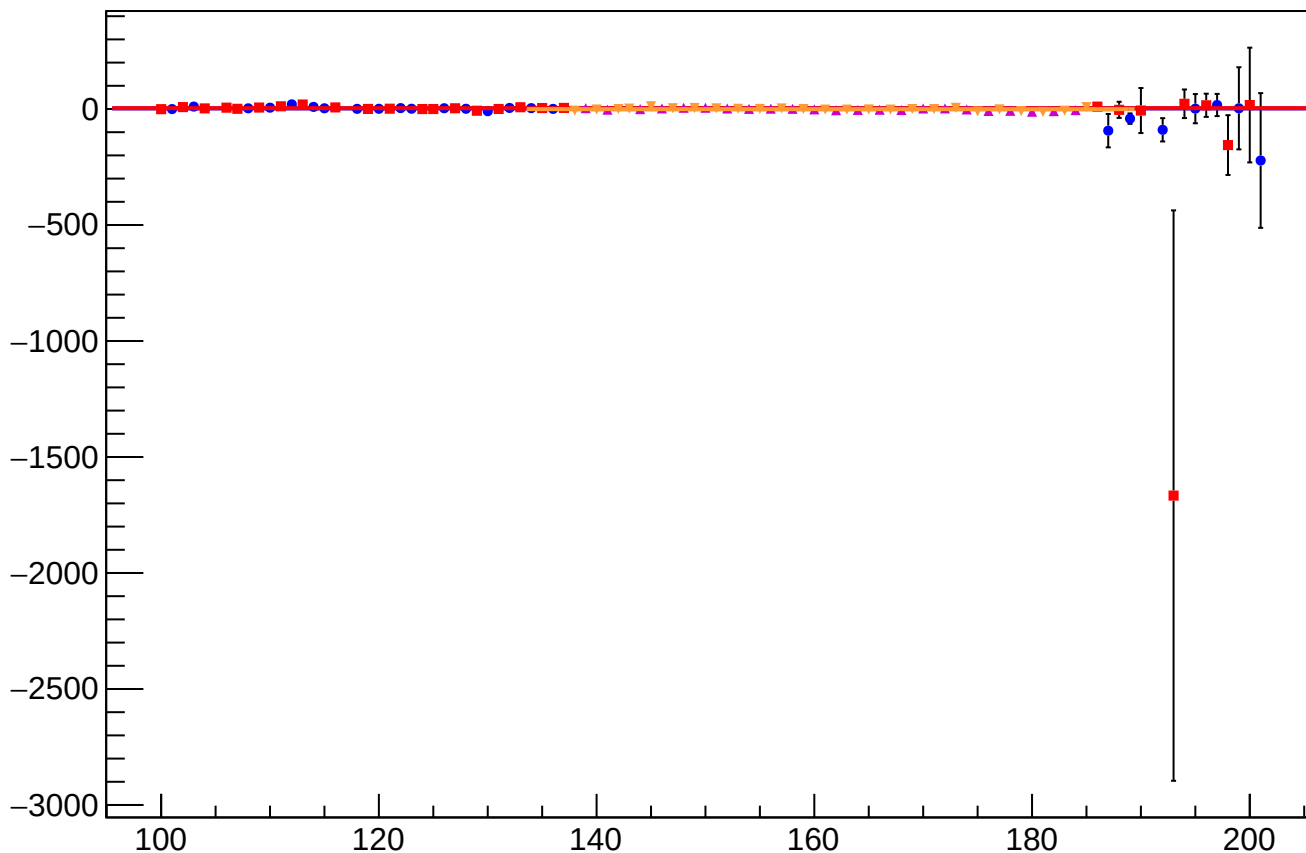
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4158.0/31

All: -25.999 ± 0.137 χ^2/NDF : 7526.9/62

- sign -26.095 ± 0.195 χ^2/NDF : 3368.4/30

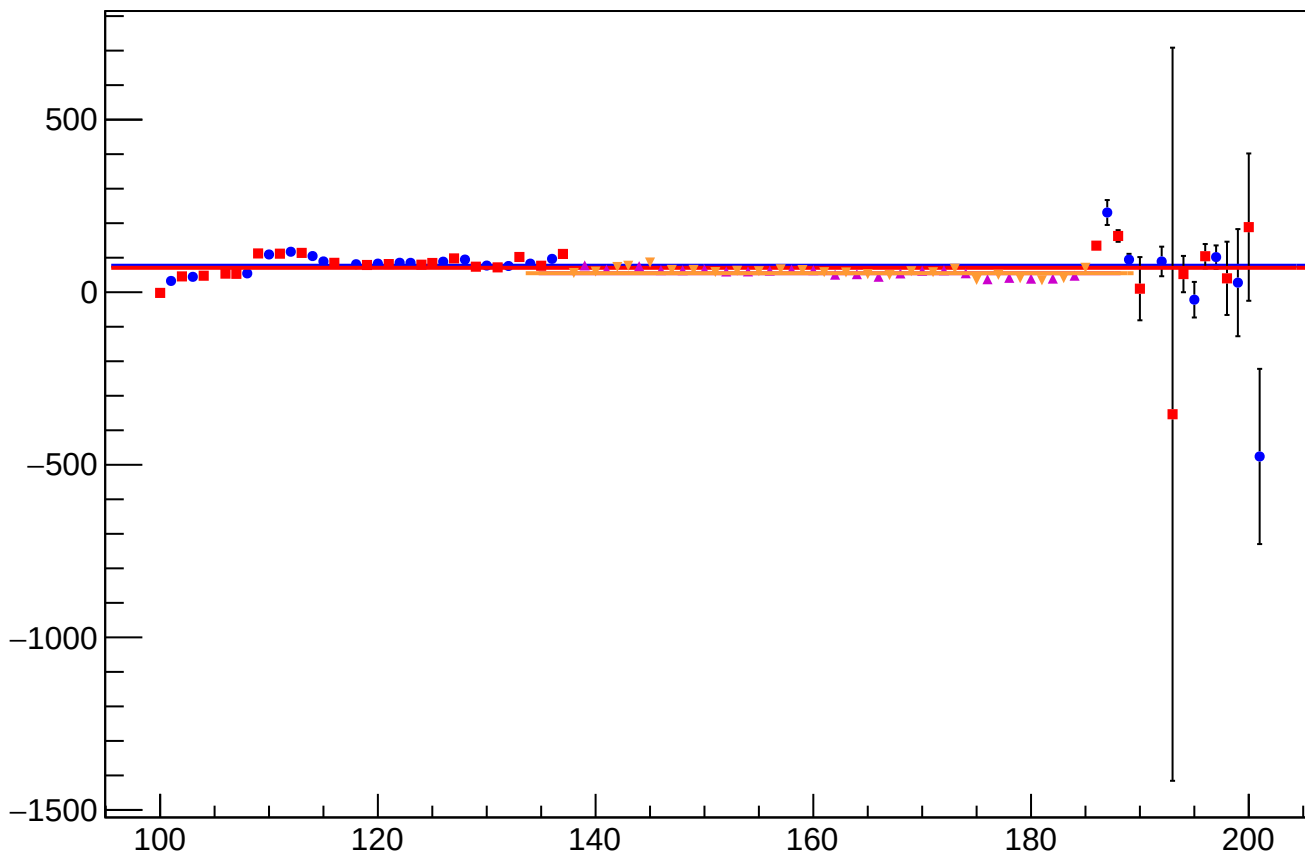
reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.442 ± 0.315 χ^2/NDF : 302.0/23
Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24
Right Out: 3.596 ± 0.318 χ^2/NDF : 284.0/26
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1689.2/48
All: -0.025 ± 0.095 χ^2/NDF : 3235.3/98
- sign 0.009 ± 0.136 χ^2/NDF : 1546.0/49

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.729 $\pm$ 0.577 χ^2 /NDF: 2293.3/23

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.755 $\pm$ 0.549 χ^2 /NDF: 4491.2/26

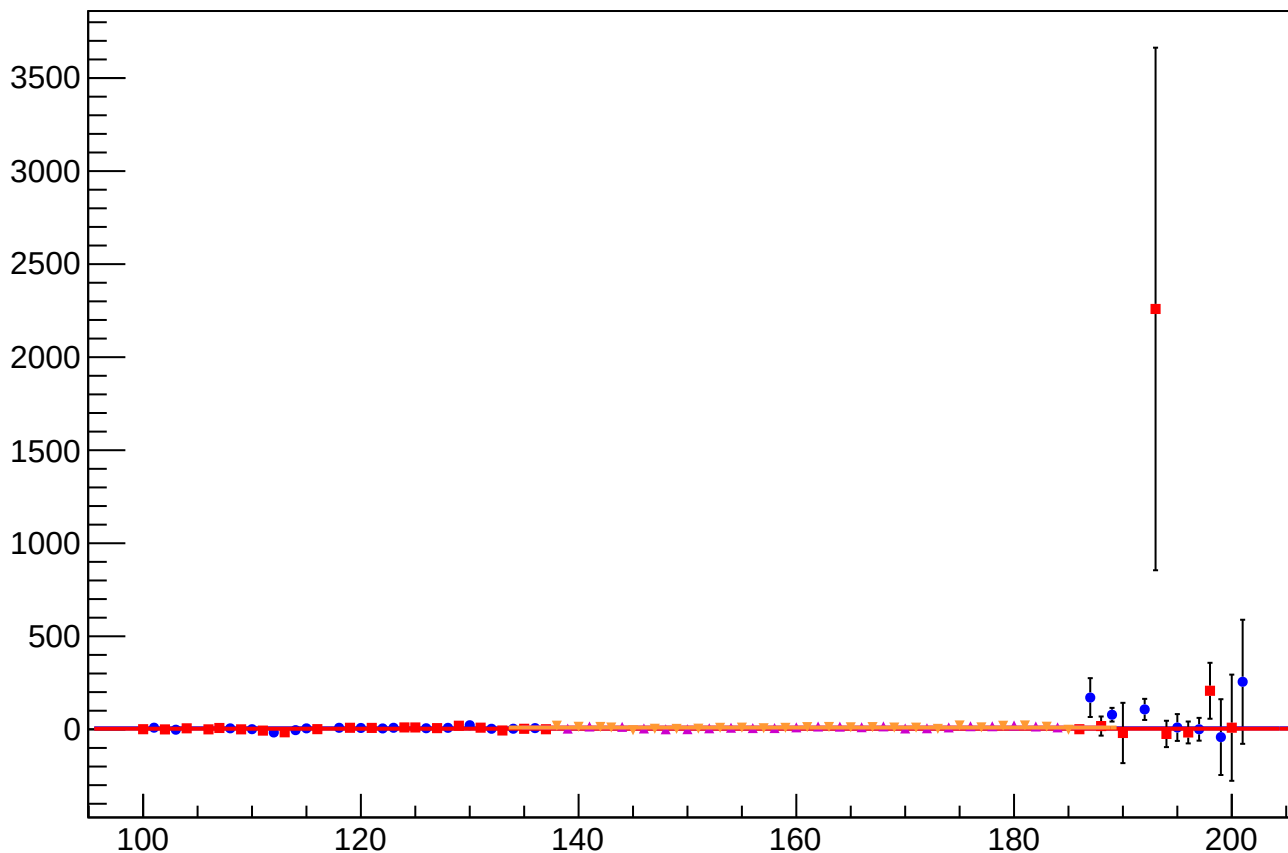
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.260 $\pm$ 0.182 χ^2 /NDF: 8119.3/48

All: 57.045 $\pm$ 0.129 χ^2 /NDF: 17002.4/98

- sign 56.828 $\pm$ 0.183 χ^2 /NDF: 8880.3/49

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.441 ± 0.361 χ^2/NDF : 394.5/23

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.279 ± 0.365 χ^2/NDF : 429.9/26

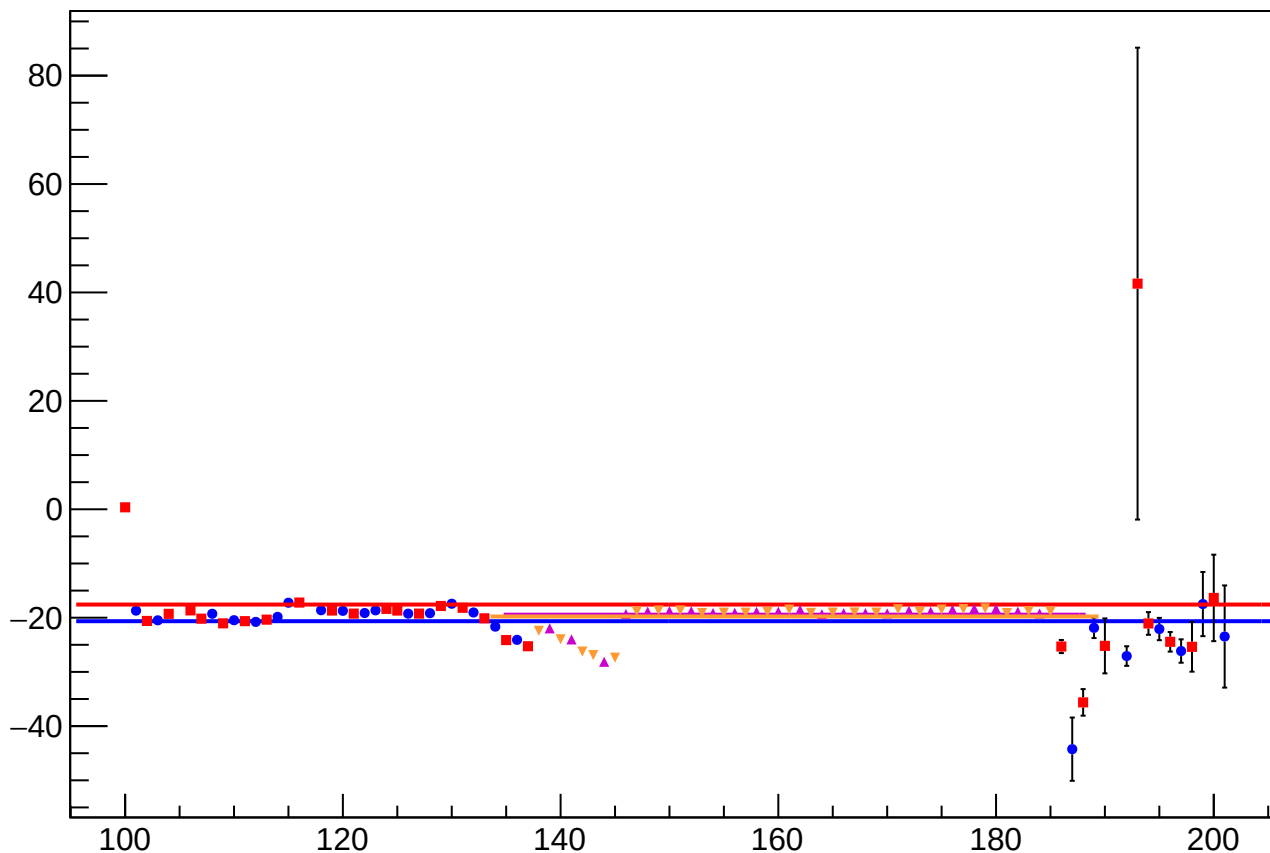
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1948.9/48

All: 8.750 ± 0.109 χ^2/NDF : 3828.3/98

- sign 8.569 ± 0.155 χ^2/NDF : 1876.8/49

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 $\chi^2/\text{NDF}: 12499.6/23$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.575 ± 0.018 $\chi^2/\text{NDF}: 178437.7/26$

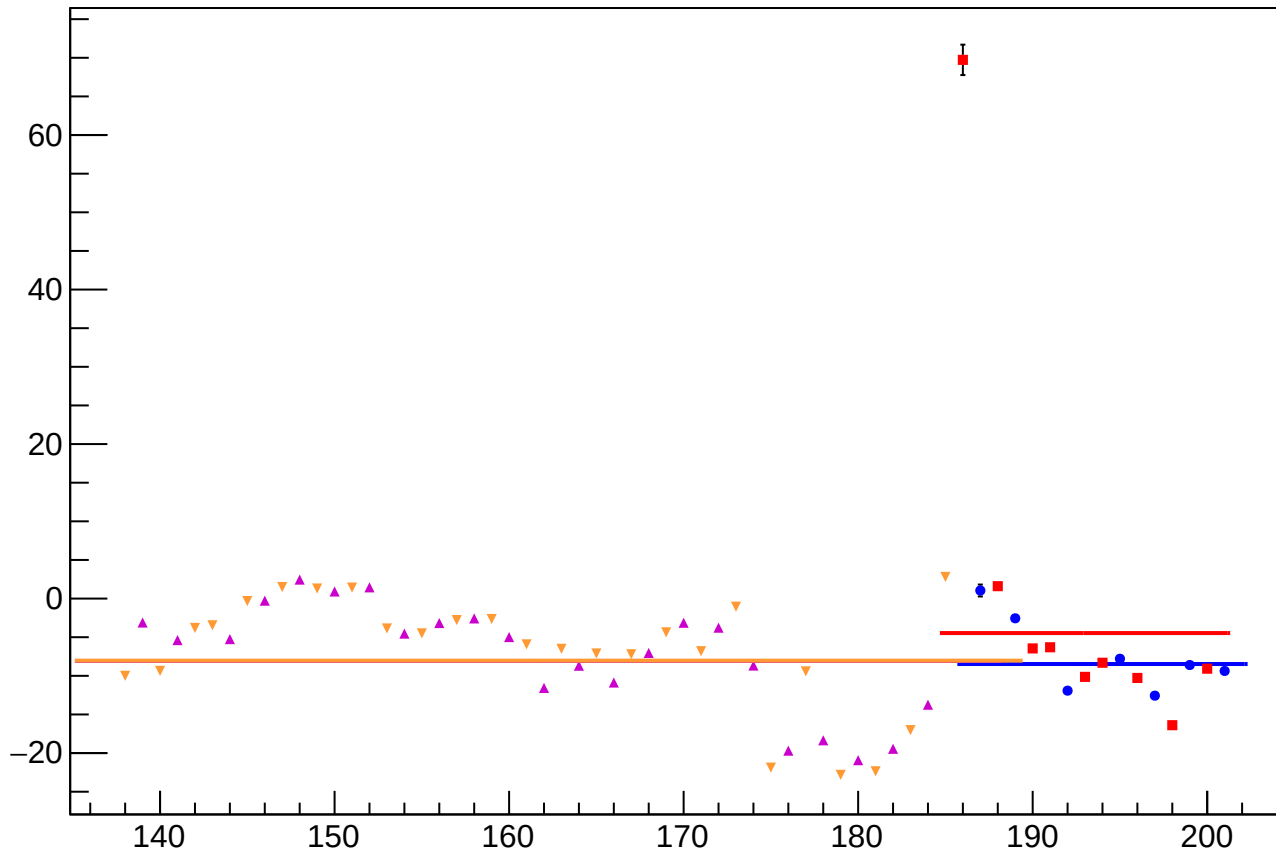
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ sign -19.899 ± 0.007 $\chi^2/\text{NDF}: 105749.2/48$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351713.1/98$

- sign -19.140 ± 0.007 $\chi^2/\text{NDF}: 240552.2/49$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -8.471 ± 0.162 χ^2/NDF : 587.5/6

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -4.464 ± 0.121 χ^2/NDF : 3827.3/8

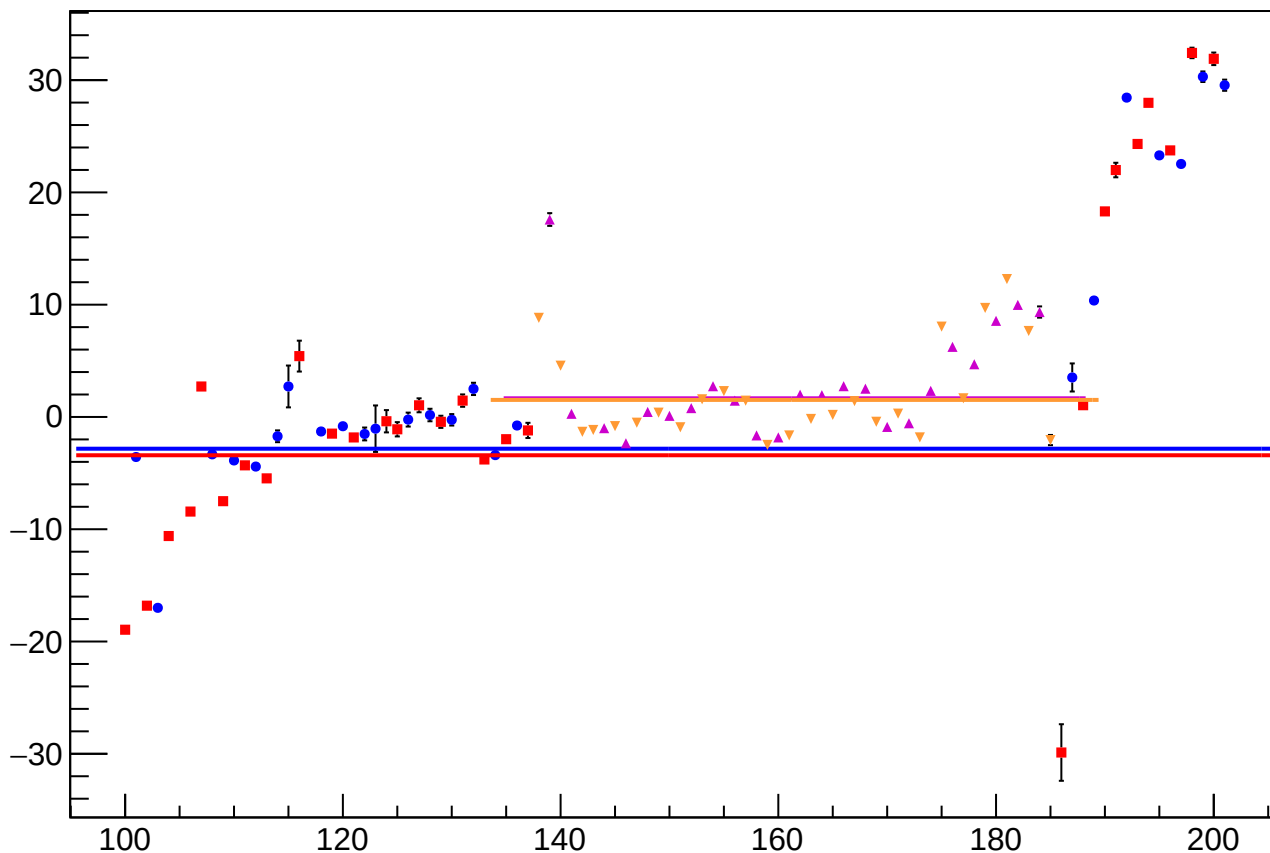
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -8.104 ± 0.064 χ^2/NDF : 13161.7/31

All: -7.602 ± 0.045 χ^2/NDF : 28302.5/63

- sign -7.140 ± 0.062 χ^2/NDF : 15024.4/31

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -2.828 ± 0.052 χ^2/NDF : 35850.9/23

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -3.412 ± 0.055 χ^2/NDF : 45871.2/27

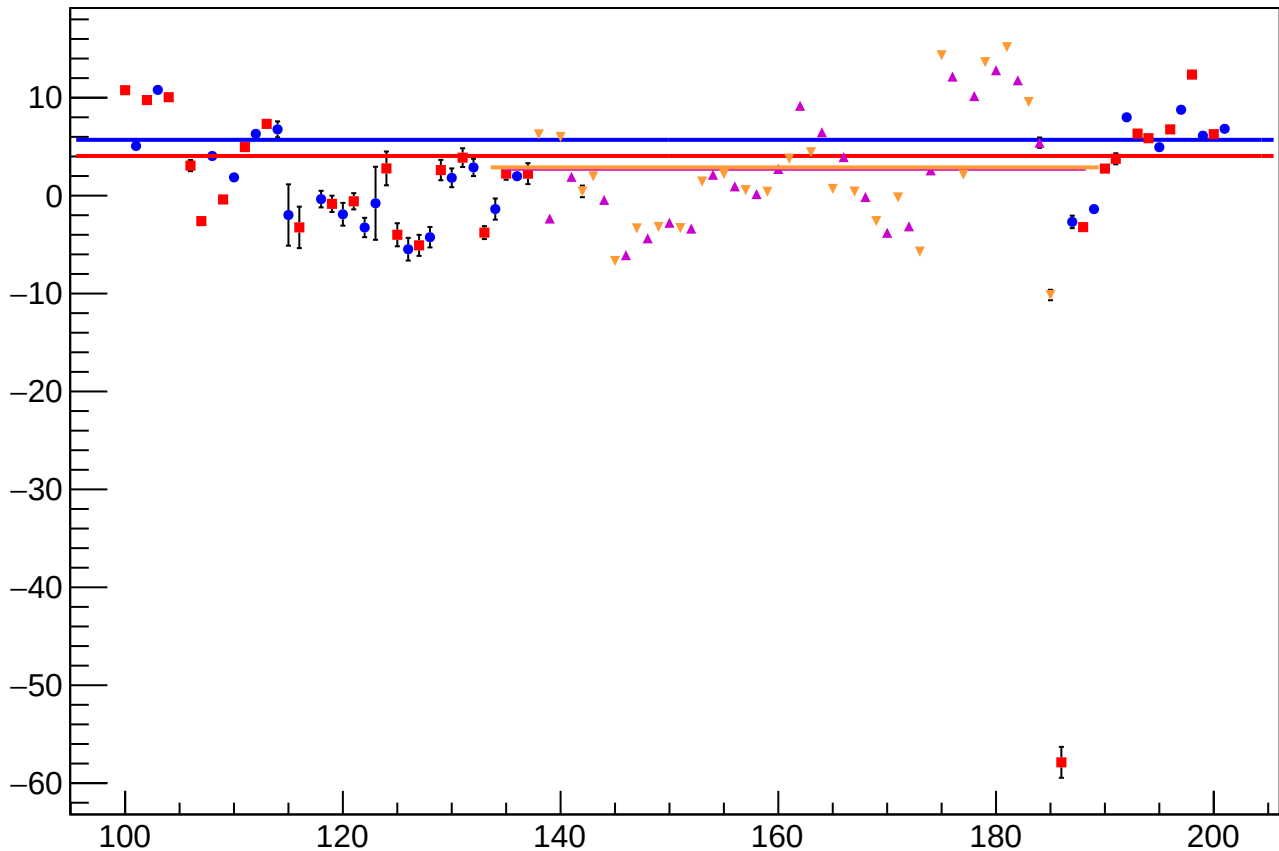
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -0.737 ± 0.038 χ^2/NDF : 44014.7/48

All: -0.844 ± 0.027 χ^2/NDF : 98095.3/99

- sign -0.961 ± 0.039 χ^2/NDF : 54063.7/50

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.699 ± 0.076 χ^2/NDF : 2155.3/23

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 4.052 ± 0.069 χ^2/NDF : 7622.8/27

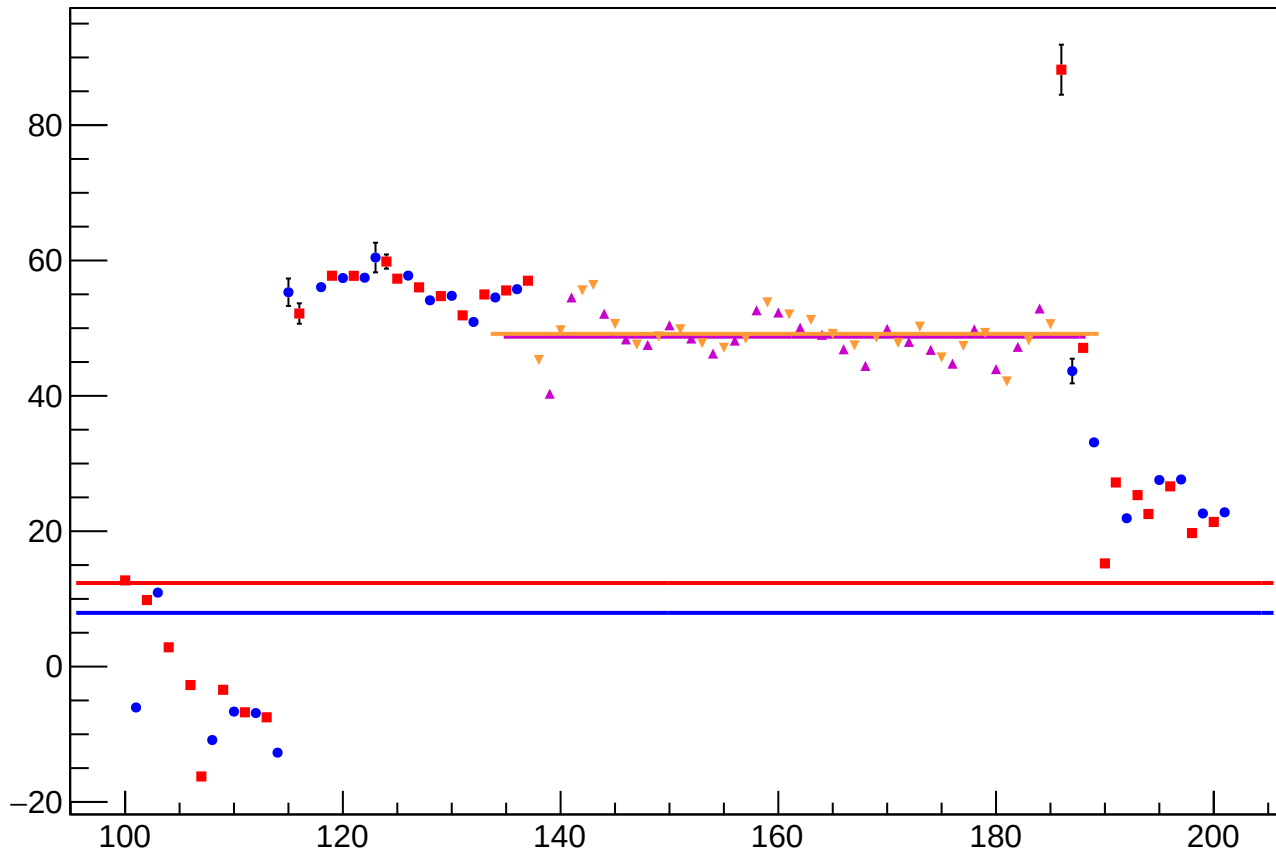
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 4.187 ± 0.051 χ^2/NDF : 11791.6/48

All: 3.789 ± 0.036 χ^2/NDF : 26885.0/99

- sign 3.417 ± 0.050 χ^2/NDF : 14977.8/50

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 7.937 ± 0.062 χ^2/NDF : 128979.5/23

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 12.348 ± 0.065 χ^2/NDF : 133687.7/27

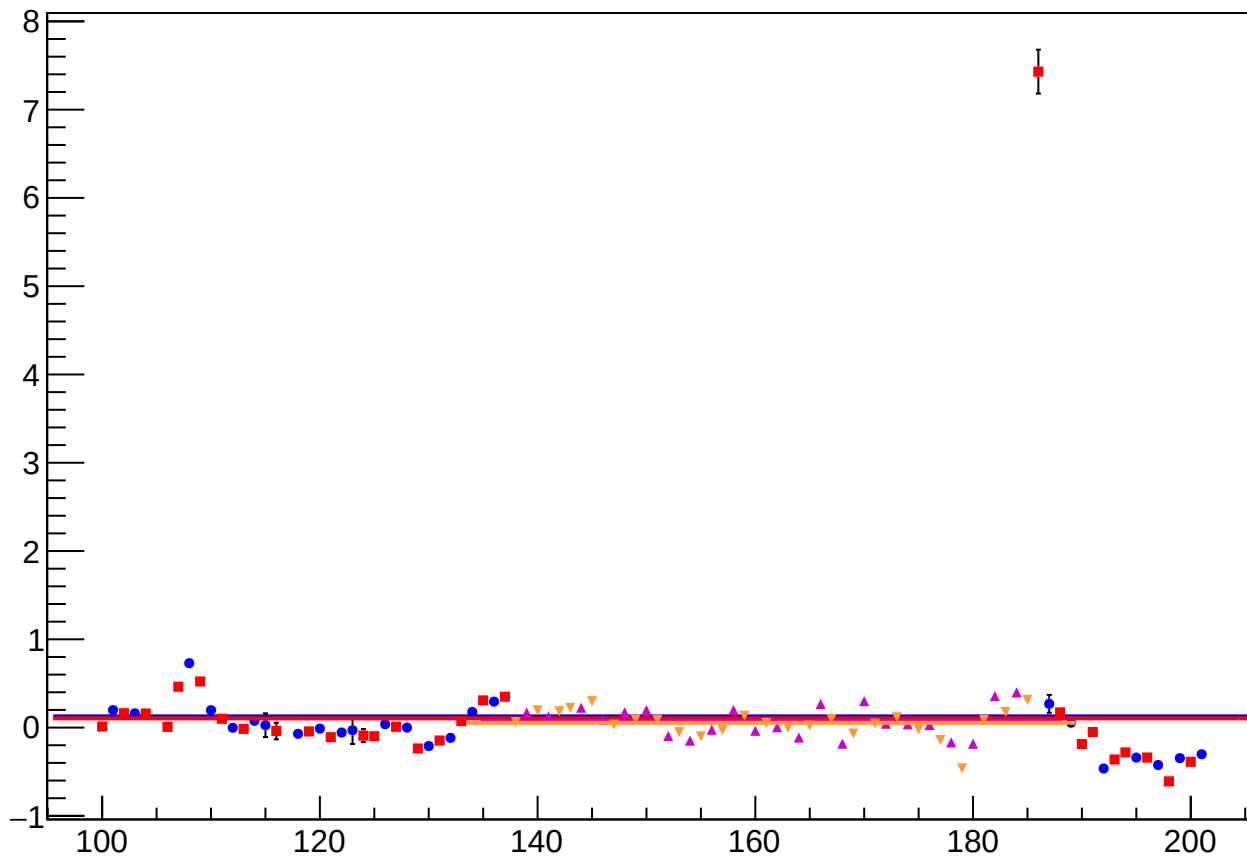
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.617 ± 0.044 χ^2/NDF : 353451.5/48

All: 29.733 ± 0.032 χ^2/NDF : 649901.9/99

- sign 30.946 ± 0.046 χ^2/NDF : 295090.7/50

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.127+/-0.003 χ^2/NDF : 10801.1/23

Left Out: 0.054+/-0.003 χ^2/NDF : 2379.8/24

Right Out: 0.104+/-0.002 χ^2/NDF : 10211.8/27

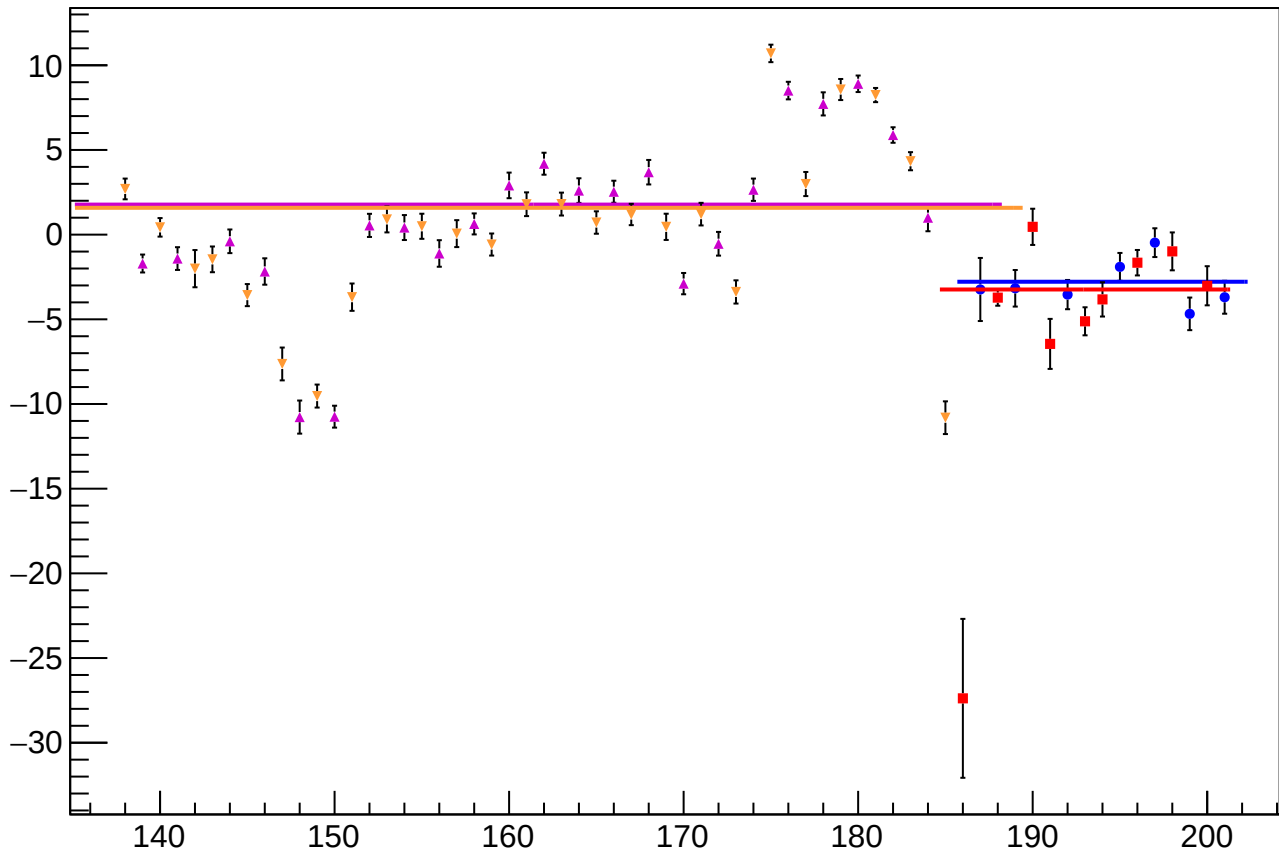
Left In: 0.070+/-0.003 χ^2/NDF : 3233.8/22

+ sign 0.094+/-0.002 χ^2/NDF : 13550.5/48

All: 0.092+/-0.001 χ^2/NDF : 27080.7/99

- sign 0.090+/-0.002 χ^2/NDF : 13527.5/50

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.782 ± 0.365 χ^2/NDF : 14.2/6

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.239 ± 0.295 χ^2/NDF : 58.2/8

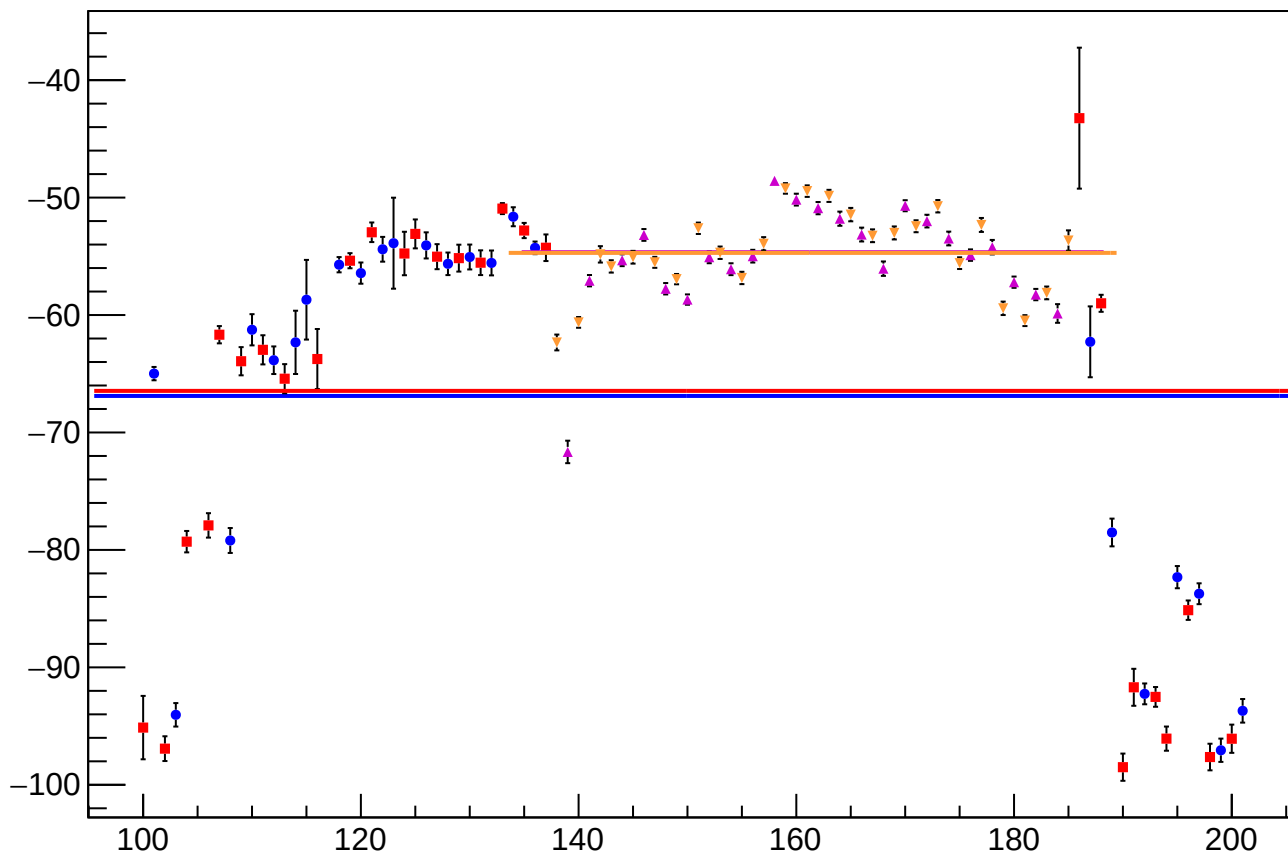
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 1.075 ± 0.125 χ^2/NDF : 1599.2/31

All: 0.987 ± 0.088 χ^2/NDF : 3194.9/63

- sign 0.901 ± 0.123 χ^2/NDF : 1594.7/31

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -66.889 ± 0.195 χ^2/NDF : 6093.6/23

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -66.458 ± 0.181 χ^2/NDF : 8822.5/27

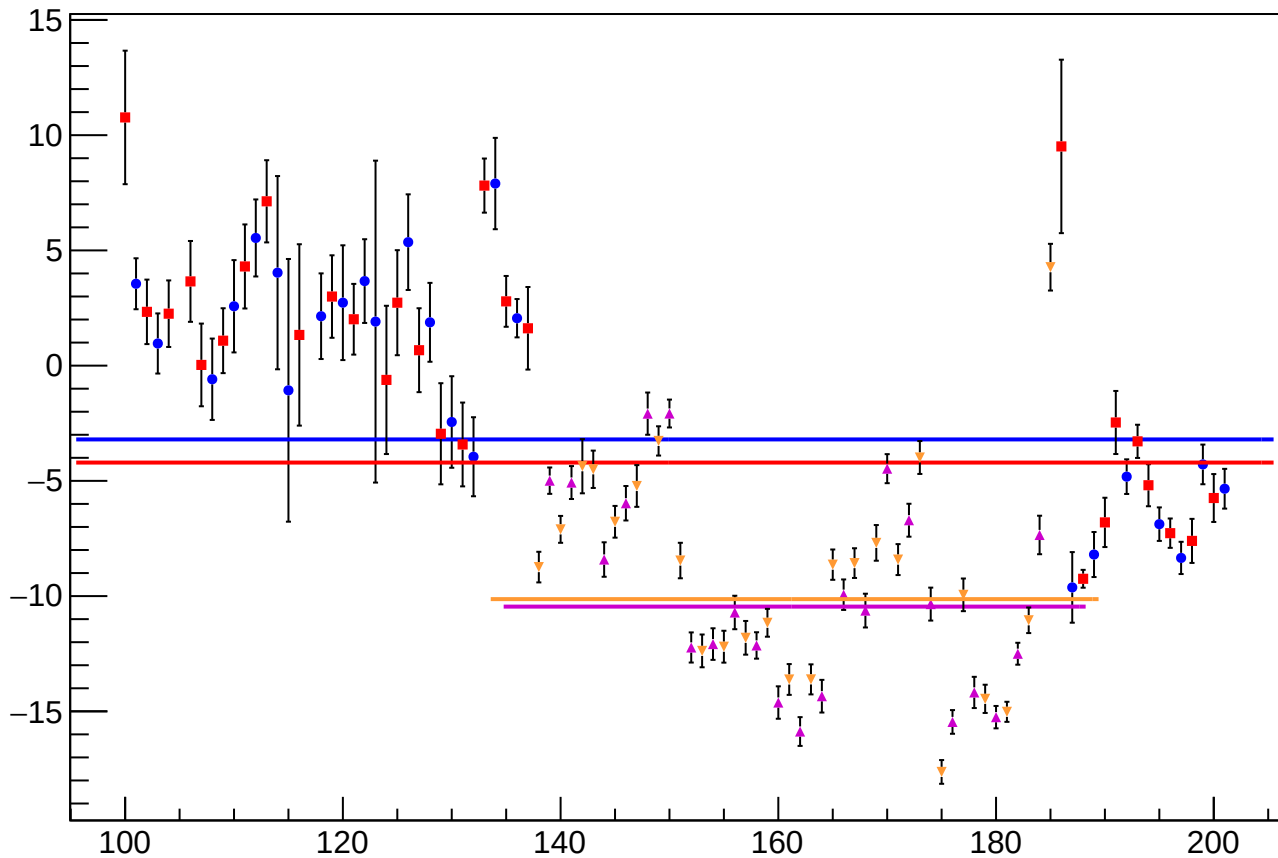
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -57.467 ± 0.093 χ^2/NDF : 10228.4/48

All: -57.647 ± 0.066 χ^2/NDF : 23252.2/99

- sign -57.831 ± 0.094 χ^2/NDF : 13016.1/50

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -3.202 $\pm$ 0.250 χ^2/NDF : 350.6/23

Left Out: -10.131 $\pm$ 0.133 χ^2/NDF :1055.4/24

Right Out: -4.206 $\pm$ 0.211 χ^2/NDF : 609.9/27

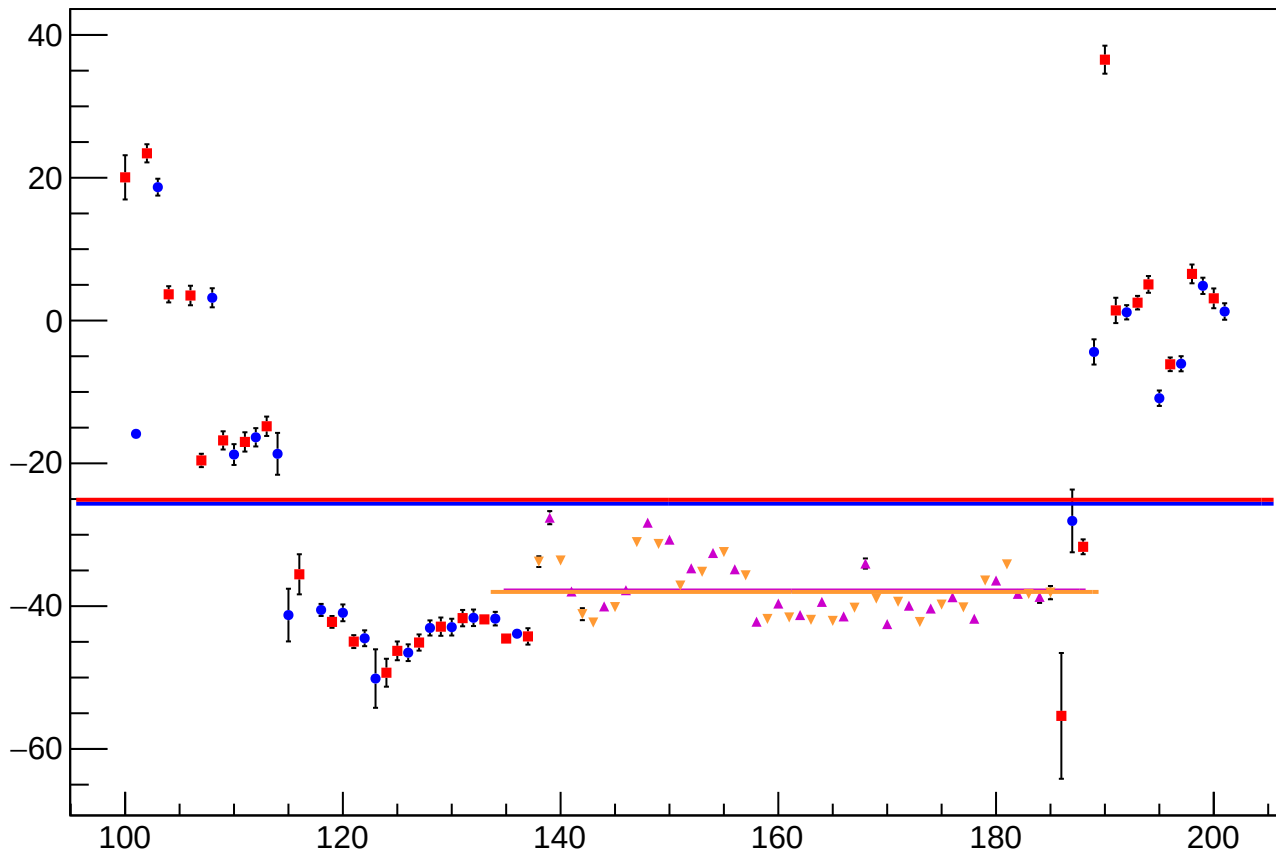
Left In: -10.456 $\pm$ 0.135 χ^2/NDF :1002.7/22

+ sign -8.610 $\pm$ 0.117 χ^2/NDF : 2003.4/48

All: -8.632 $\pm$ 0.082 χ^2/NDF : 4238.1/99

- sign -8.652 $\pm$ 0.114 χ^2/NDF : 2234.6/50

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -25.647 ± 0.224 $\chi^2/\text{NDF}: 8043.7/23$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -25.099 ± 0.212 $\chi^2/\text{NDF}: 11109.5/27$

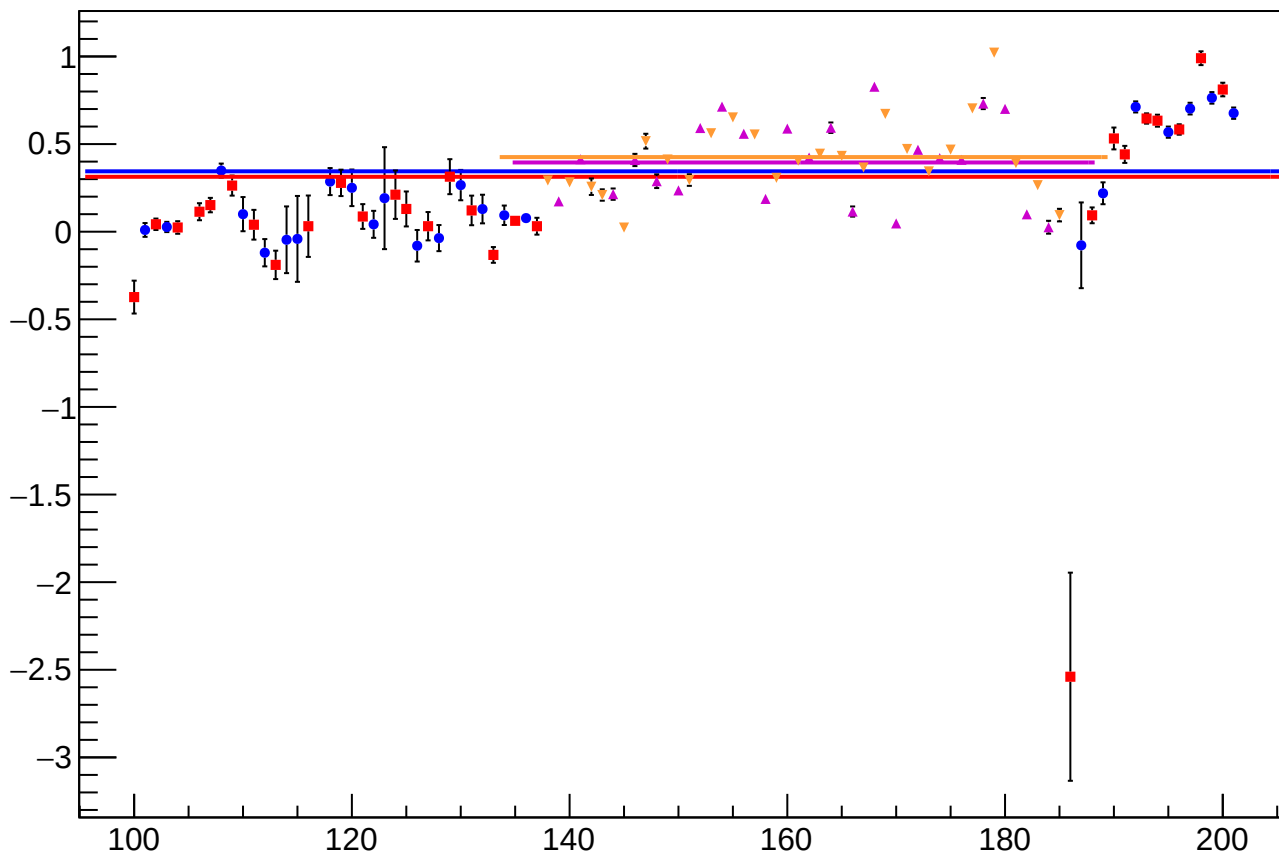
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -35.300 ± 0.105 $\chi^2/\text{NDF}: 11362.1/48$

All: -34.969 ± 0.075 $\chi^2/\text{NDF}: 26231.6/99$

- sign -34.632 ± 0.106 $\chi^2/\text{NDF}: 14849.4/50$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.345 ± 0.009 χ^2/NDF : 1049.2/23

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.313 ± 0.009 χ^2/NDF : 1349.0/27

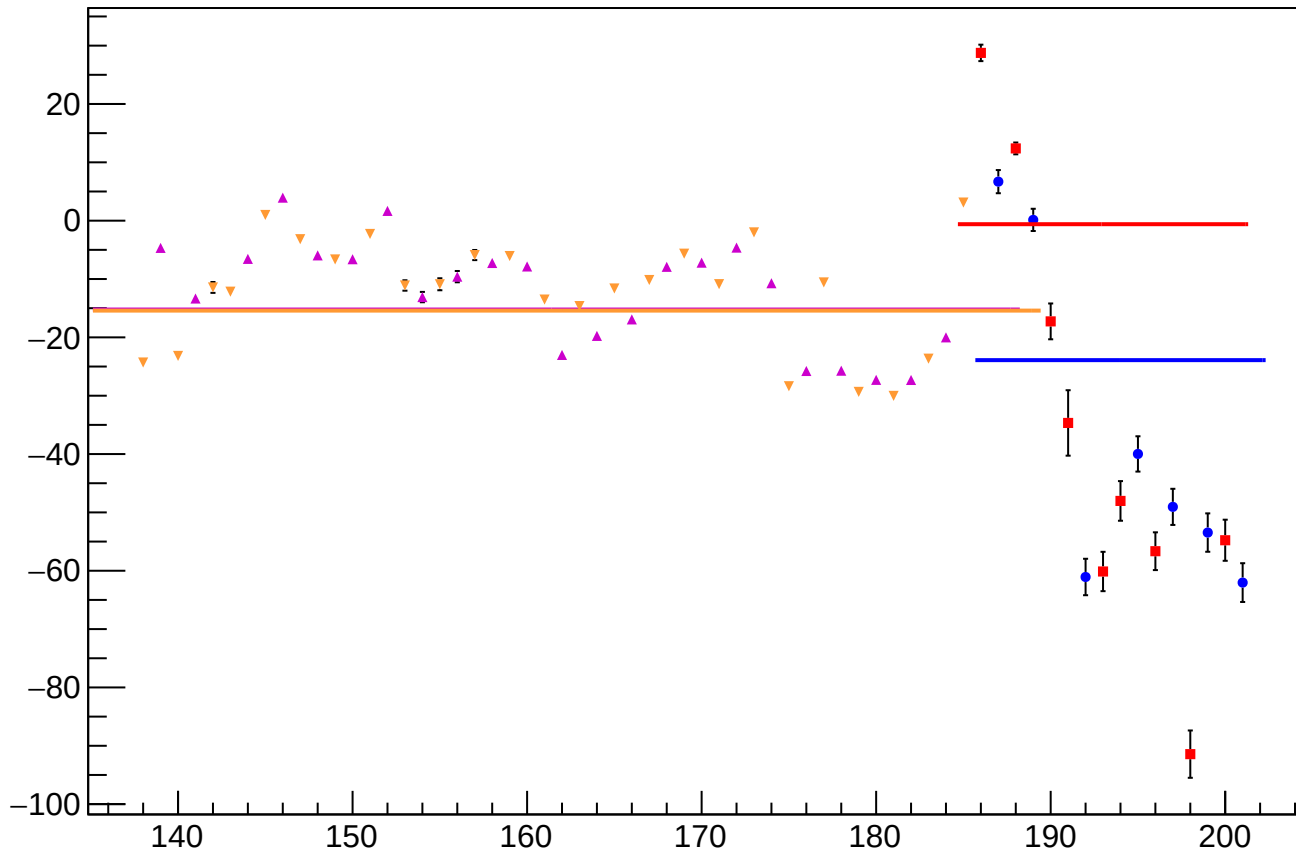
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.406 ± 0.005 χ^2/NDF : 2408.6/48

All: 0.390 ± 0.003 χ^2/NDF : 5641.0/99

- sign 0.373 ± 0.005 χ^2/NDF : 3207.7/50

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -23.904 $\pm$ 0.986 χ^2 /NDF: 844.6/6

Left Out: -15.413 $\pm$ 0.105 χ^2 /NDF:10509.1/24

Right Out: -0.604 $\pm$ 0.702 χ^2 /NDF: 2209.5/8

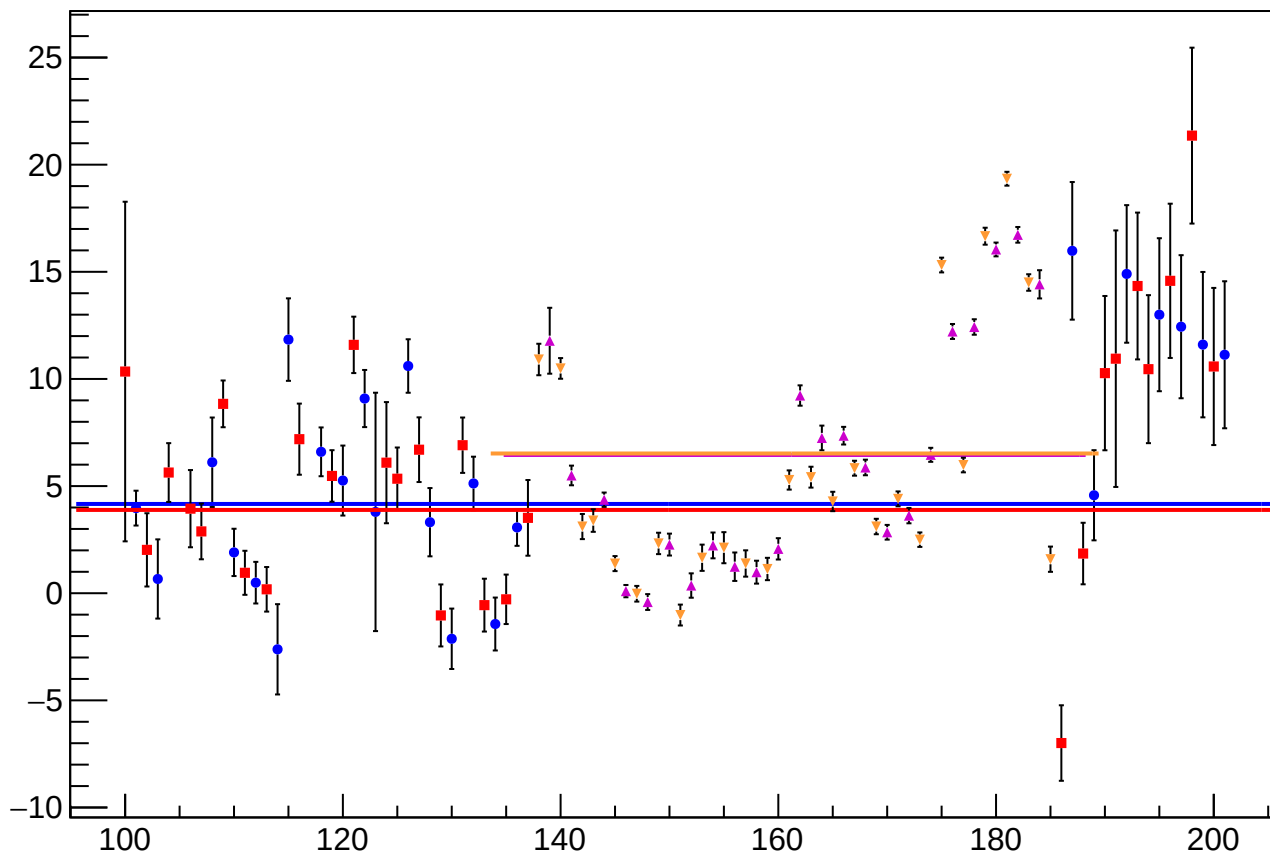
Left In: -15.229 $\pm$ 0.107 χ^2 /NDF:8657.3/22

+ sign -15.508 $\pm$ 0.105 χ^2 /NDF: 11427.0/31

All: -15.206 $\pm$ 0.074 χ^2 /NDF: 22734.5/63

- sign -14.899 $\pm$ 0.105 χ^2 /NDF: 11290.7/31

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.166 $\pm$ 0.300 χ^2 /NDF: 183.4/23

Left Out: 6.521 $\pm$ 0.085 χ^2 /NDF: 4985.2/24

Right Out: 3.887 $\pm$ 0.298 χ^2 /NDF: 221.5/27

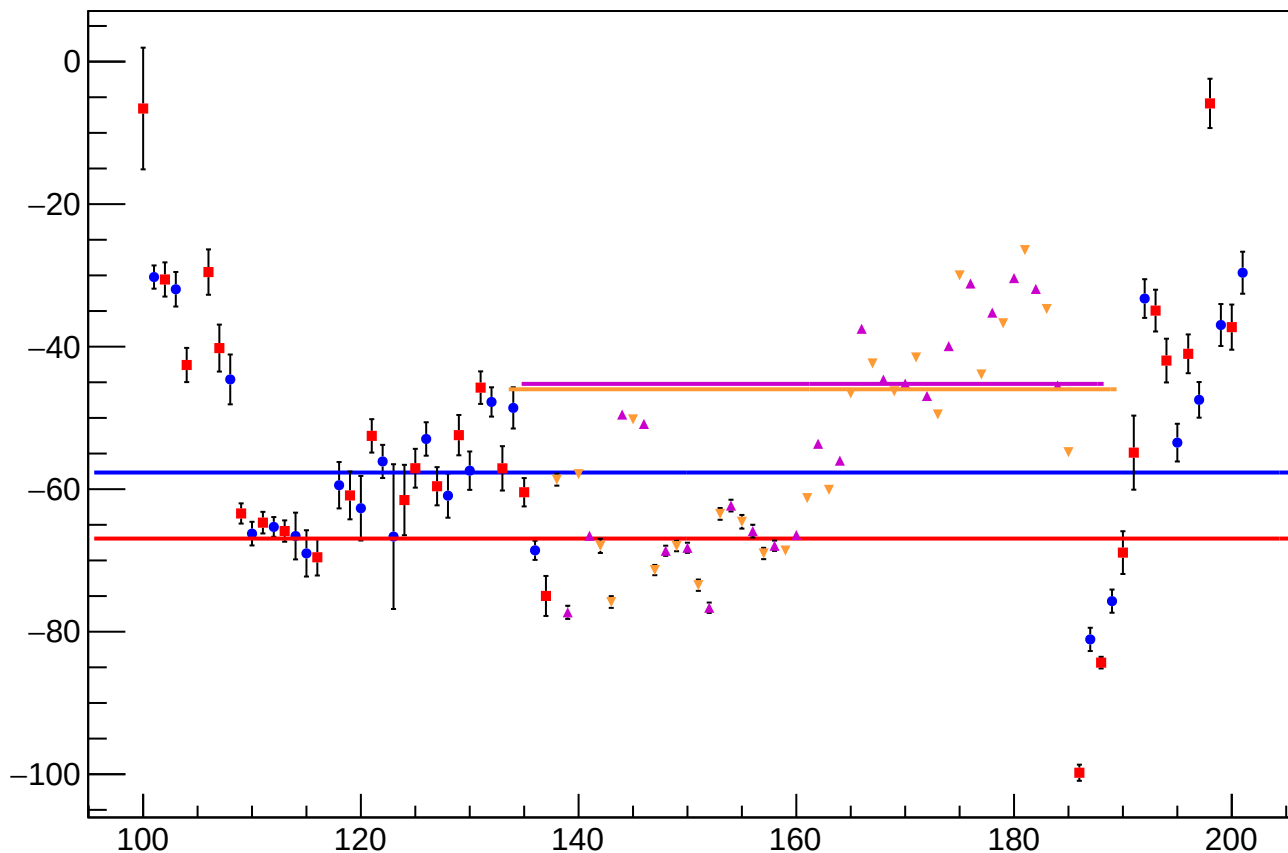
Left In: 6.452 $\pm$ 0.086 χ^2 /NDF: 3948.0/22

+ sign 6.345 $\pm$ 0.082 χ^2 /NDF: 5225.6/48

All: 6.300 $\pm$ 0.058 χ^2 /NDF: 9464.1/99

- sign 6.254 $\pm$ 0.083 χ^2 /NDF: 4237.9/50

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -57.664 ± 0.457 χ^2/NDF : 1161.9/23

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -66.930 ± 0.394 χ^2/NDF : 2778.0/27

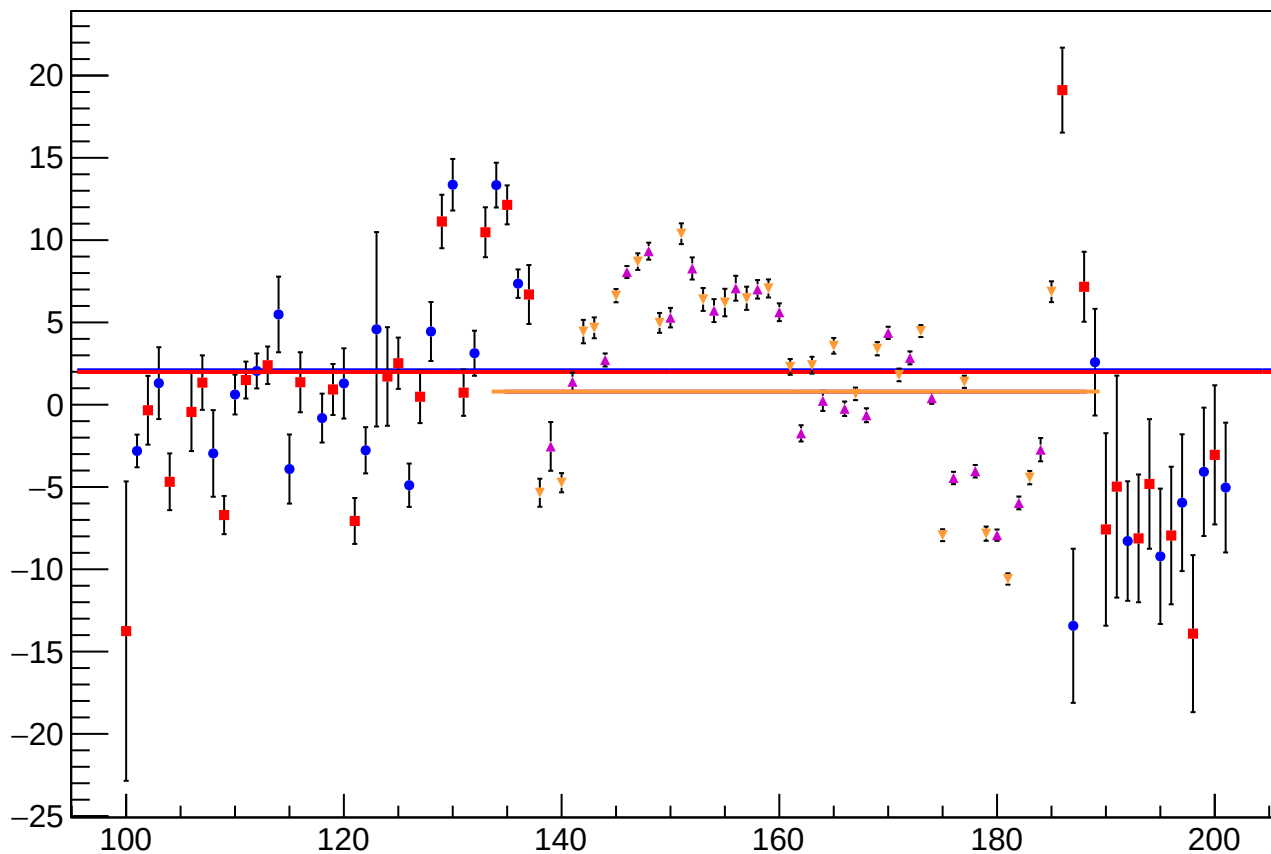
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.582 ± 0.103 χ^2/NDF : 19143.1/48

All: -46.650 ± 0.073 χ^2/NDF : 40346.7/99

- sign -46.717 ± 0.103 χ^2/NDF : 21202.7/50

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.092 ± 0.338 χ^2/NDF : 279.9/23

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 1.990 ± 0.341 χ^2/NDF : 346.3/27

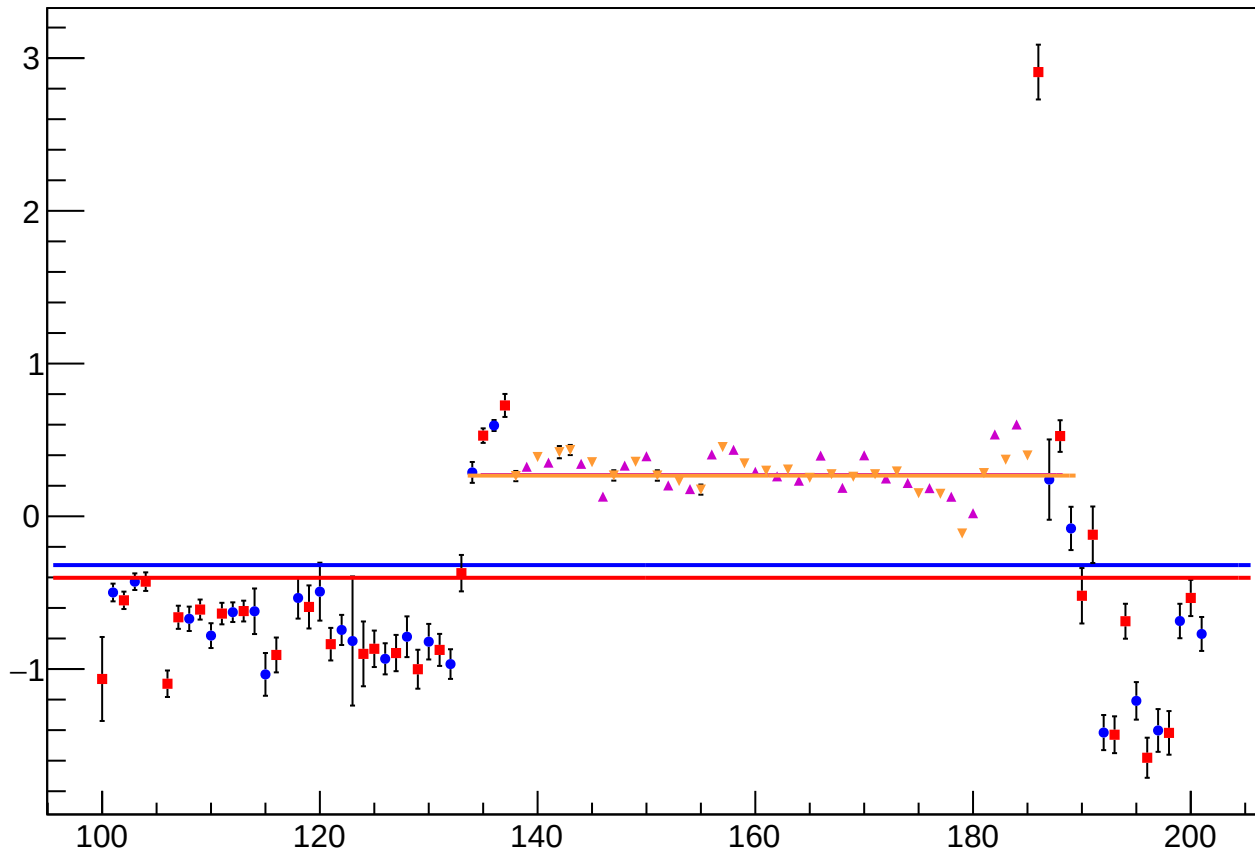
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.893 ± 0.092 χ^2/NDF : 4053.4/48

All: 0.887 ± 0.065 χ^2/NDF : 7103.7/99

- sign 0.881 ± 0.093 χ^2/NDF : 3050.2/50

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.319 ± 0.018 χ^2/NDF : 1215.6/23

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.403 ± 0.017 χ^2/NDF : 1479.8/27

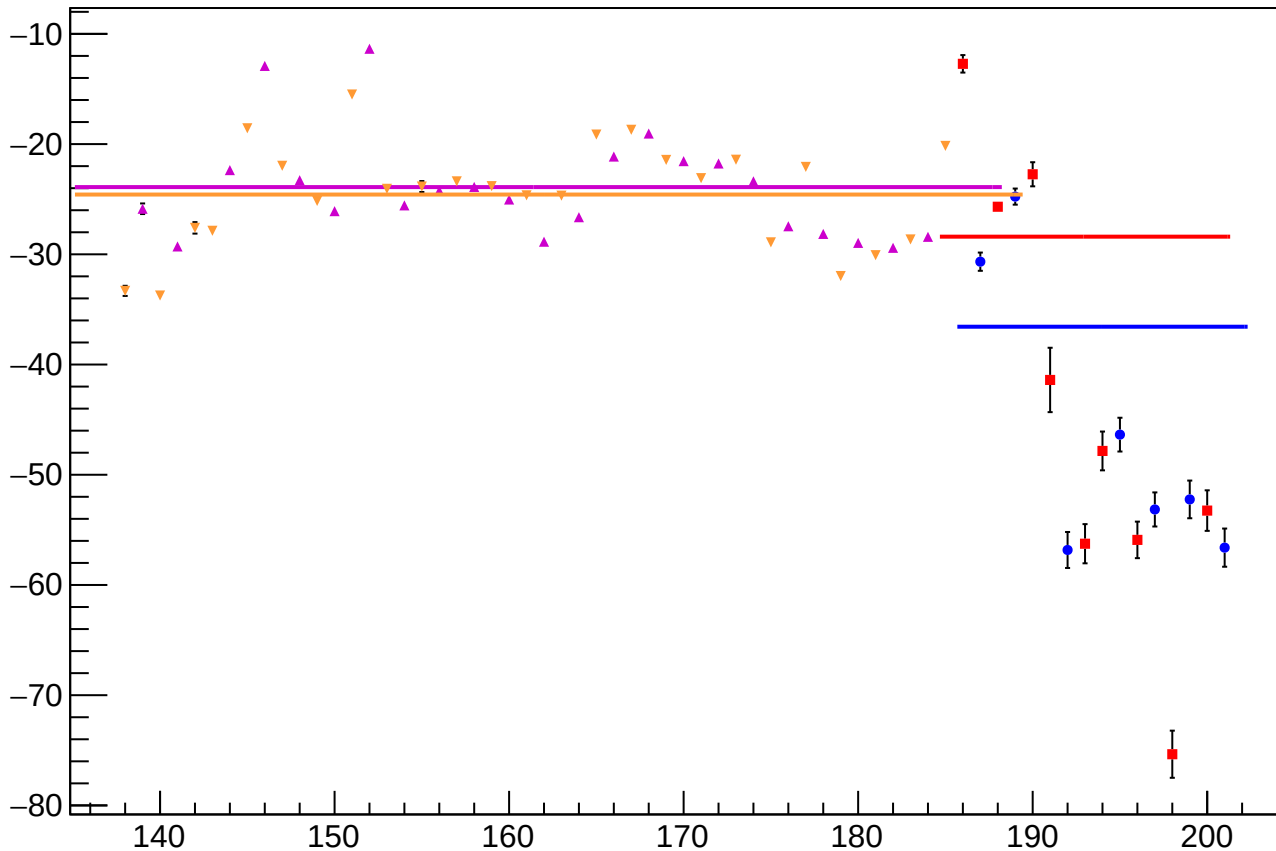
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.233 ± 0.004 χ^2/NDF : 2954.2/48

All: 0.231 ± 0.003 χ^2/NDF : 6798.2/99

- sign 0.230 ± 0.004 χ^2/NDF : 3843.8/50

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -36.569 ± 0.437 χ^2/NDF : 839.6/6

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -28.398 ± 0.325 χ^2/NDF : 1784.6/8

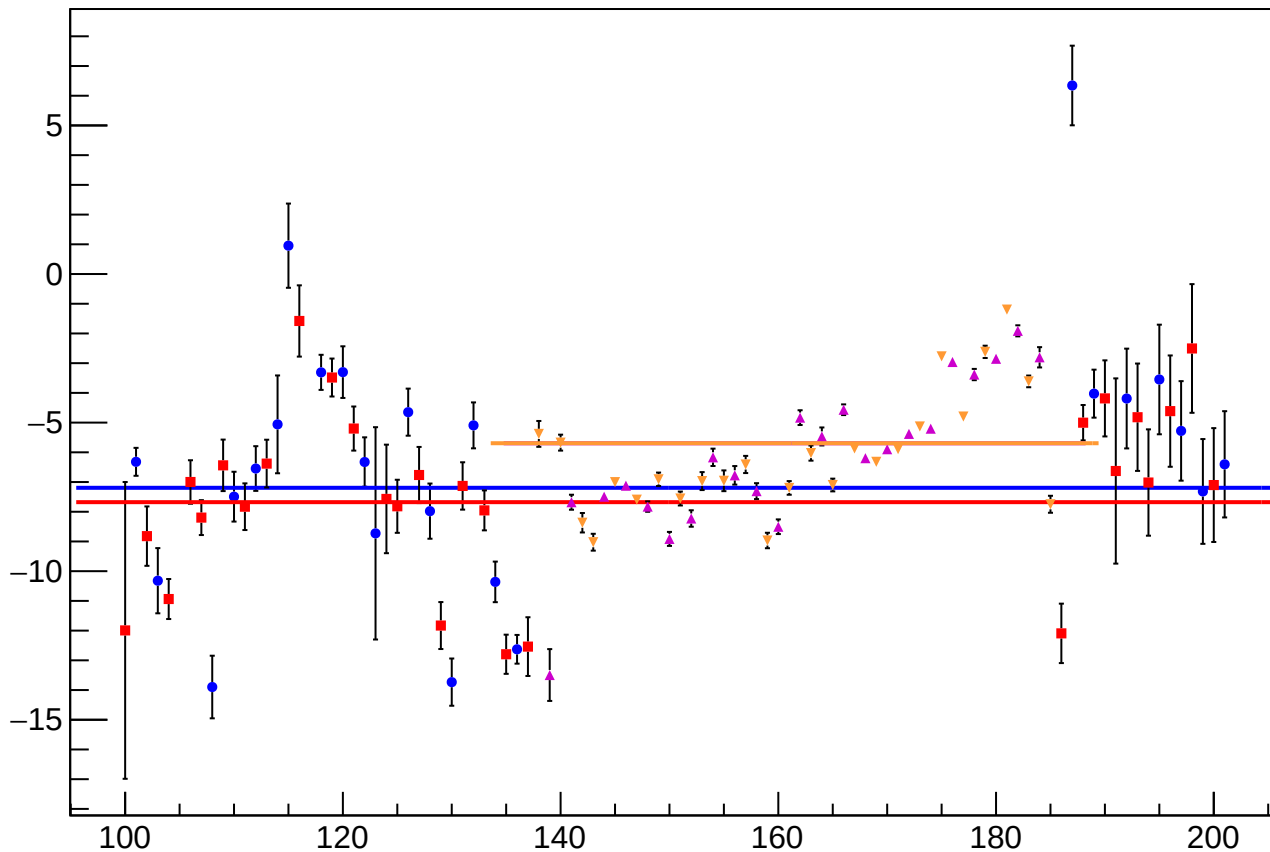
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.738 ± 0.051 χ^2/NDF : 10171.8/31

All: -24.373 ± 0.036 χ^2/NDF : 21401.7/63

- sign -24.009 ± 0.050 χ^2/NDF : 11126.0/31

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.194 ± 0.176 χ^2/NDF : 512.5/23

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.677 ± 0.170 χ^2/NDF : 284.1/27

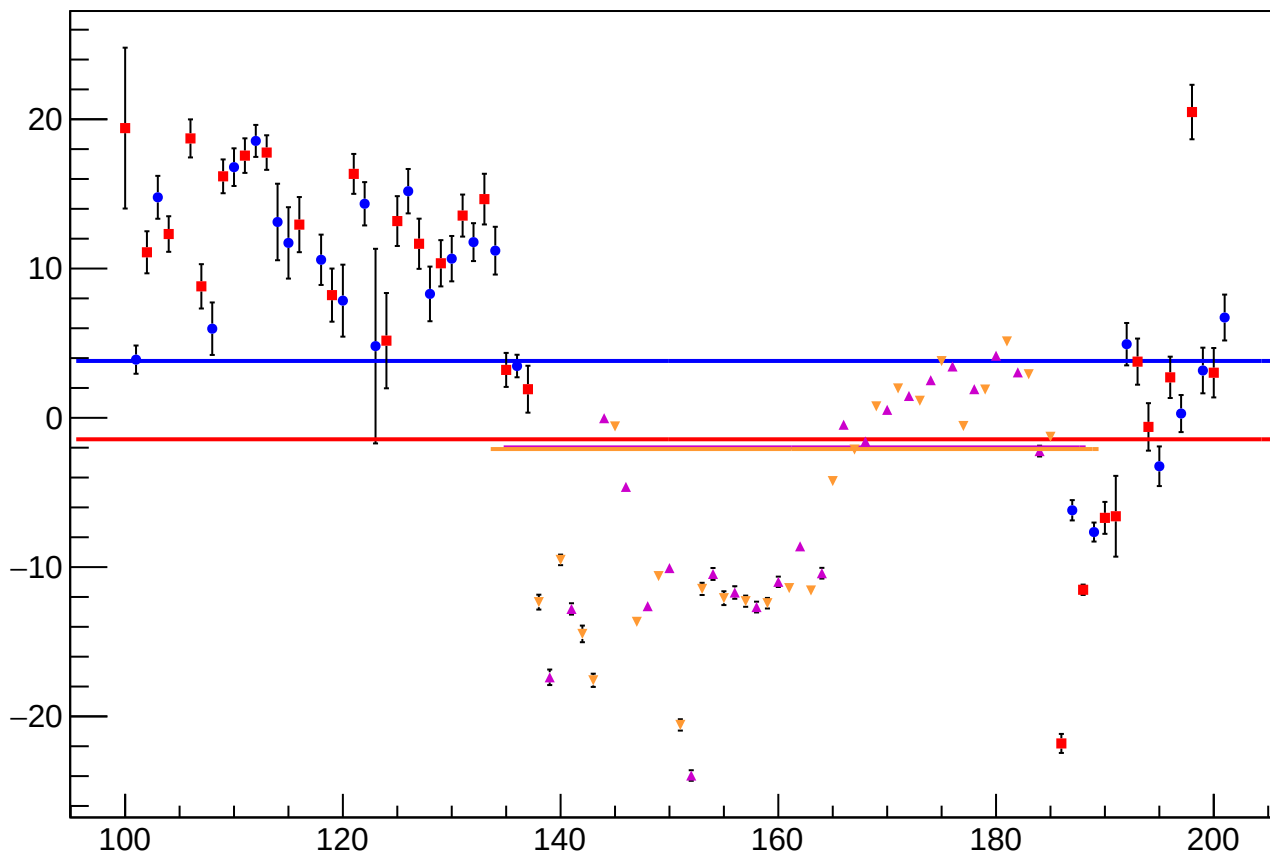
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.771 ± 0.040 χ^2/NDF : 2839.5/48

All: -5.788 ± 0.028 χ^2/NDF : 5562.9/99

- sign -5.805 ± 0.040 χ^2/NDF : 2723.0/50

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 3.810 ± 0.251 $\chi^2/\text{NDF}: 1177.7/23$

Left Out: -2.092 ± 0.051 $\chi^2/\text{NDF}: 16305.3/24$

Right Out: -1.438 ± 0.209 $\chi^2/\text{NDF}: 4073.0/27$

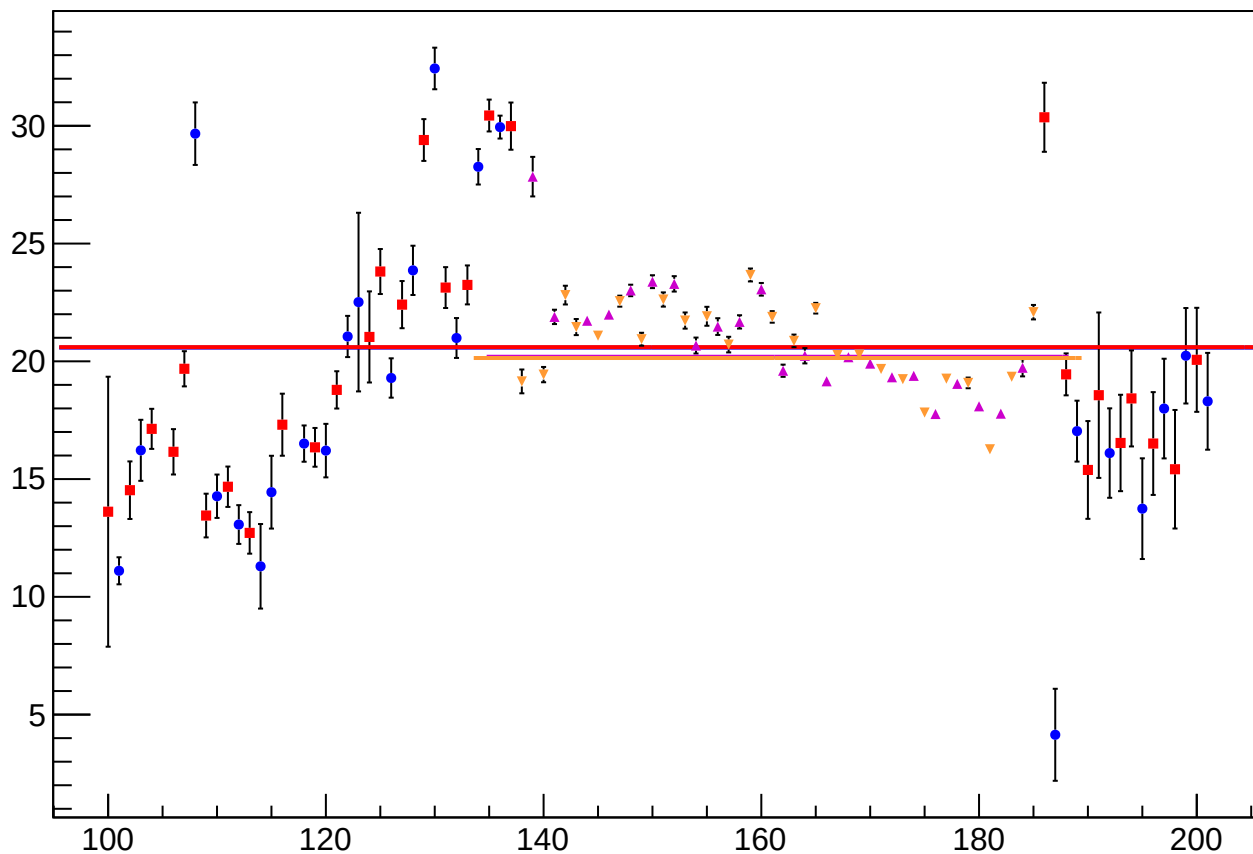
Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

+ sign -1.854 ± 0.050 $\chi^2/\text{NDF}: 18015.1/48$

All: -1.902 ± 0.035 $\chi^2/\text{NDF}: 37478.6/99$

- sign -1.950 ± 0.050 $\chi^2/\text{NDF}: 19461.6/50$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.582 $\pm$ 0.022 χ^2 /NDF: 1311.1/23

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF:1419.1/24

Right Out: 20.602 $\pm$ 0.200 χ^2 /NDF: 787.4/27

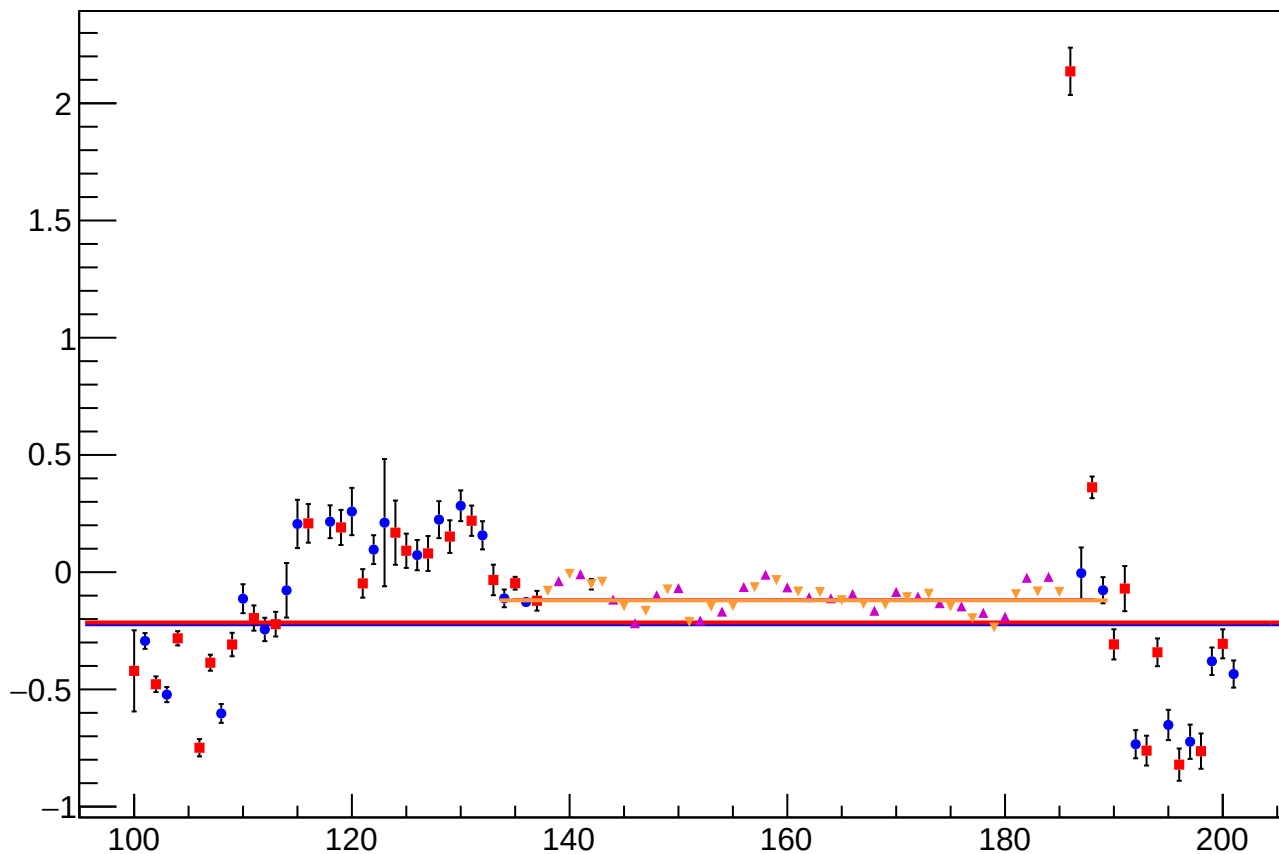
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF:1447.4/22

+ sign 20.163 $\pm$ 0.045 χ^2 /NDF: 2734.7/48

All: 20.189 $\pm$ 0.032 χ^2 /NDF: 4974.1/99

- sign 20.215 $\pm$ 0.045 χ^2 /NDF: 2238.7/50

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.222 ± 0.010 χ^2/NDF : 672.0/23

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.215 ± 0.010 χ^2/NDF : 1447.5/27

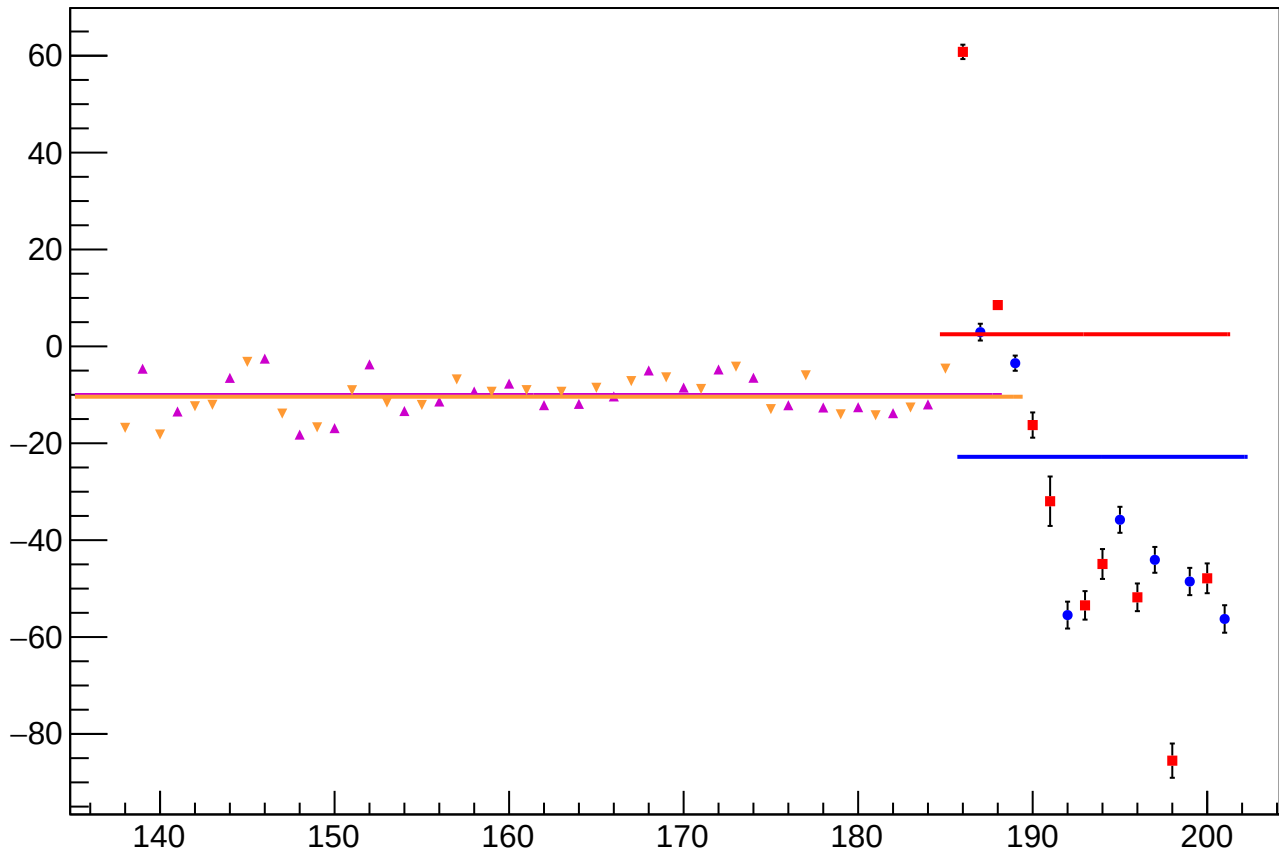
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.124 ± 0.002 χ^2/NDF : 1298.7/48

All: -0.124 ± 0.001 χ^2/NDF : 3559.7/99

- sign -0.123 ± 0.002 χ^2/NDF : 2260.8/50

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -22.798 ± 0.845 $\chi^2/\text{NDF}: 821.0/6$

Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$

Right Out: 2.502 ± 0.630 $\chi^2/\text{NDF}: 3530.8/8$

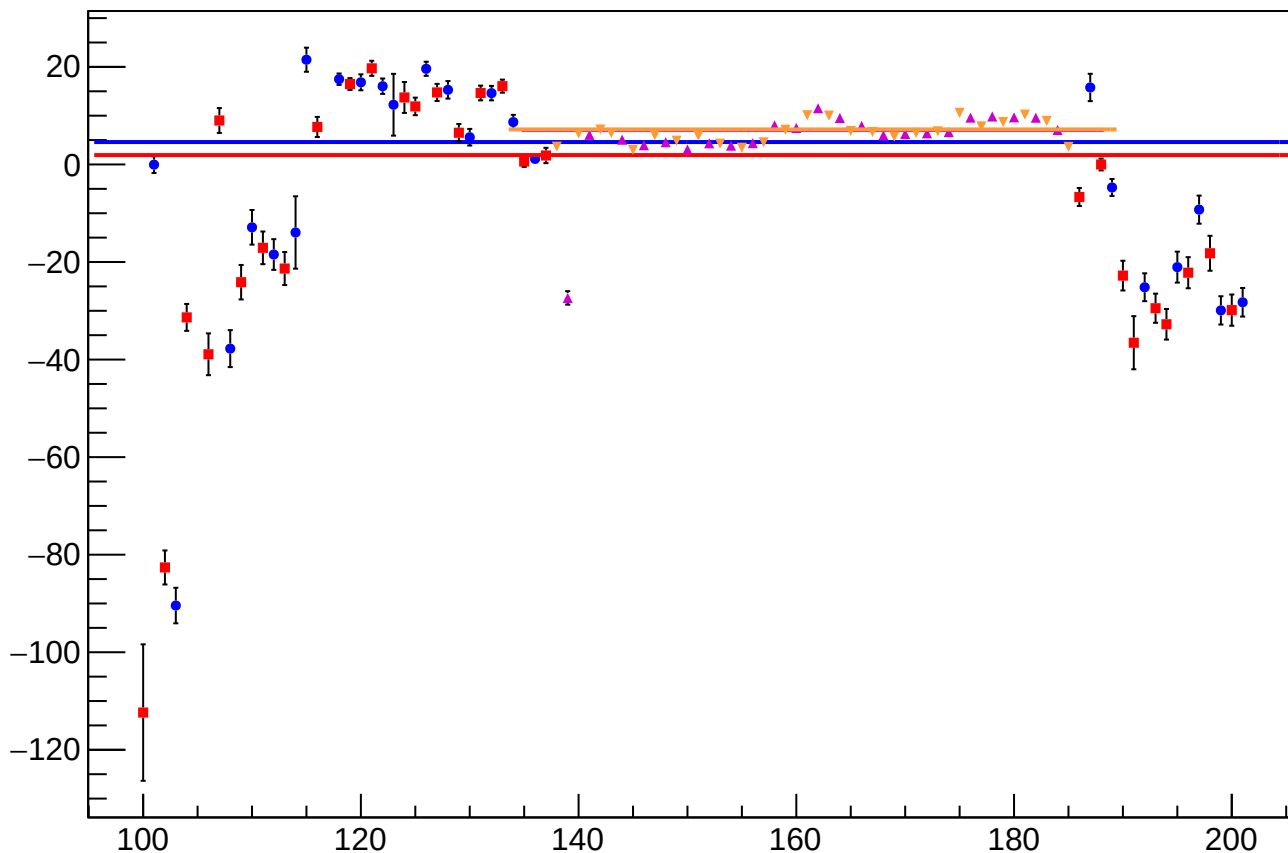
Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

+ sign -10.523 ± 0.087 $\chi^2/\text{NDF}: 3145.8/31$

All: -10.161 ± 0.062 $\chi^2/\text{NDF}: 8858.8/63$

- sign -9.787 ± 0.089 $\chi^2/\text{NDF}: 5678.1/31$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.595 ± 0.376 χ^2/NDF : 1900.2/23

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 1.924 ± 0.381 χ^2/NDF : 2162.4/27

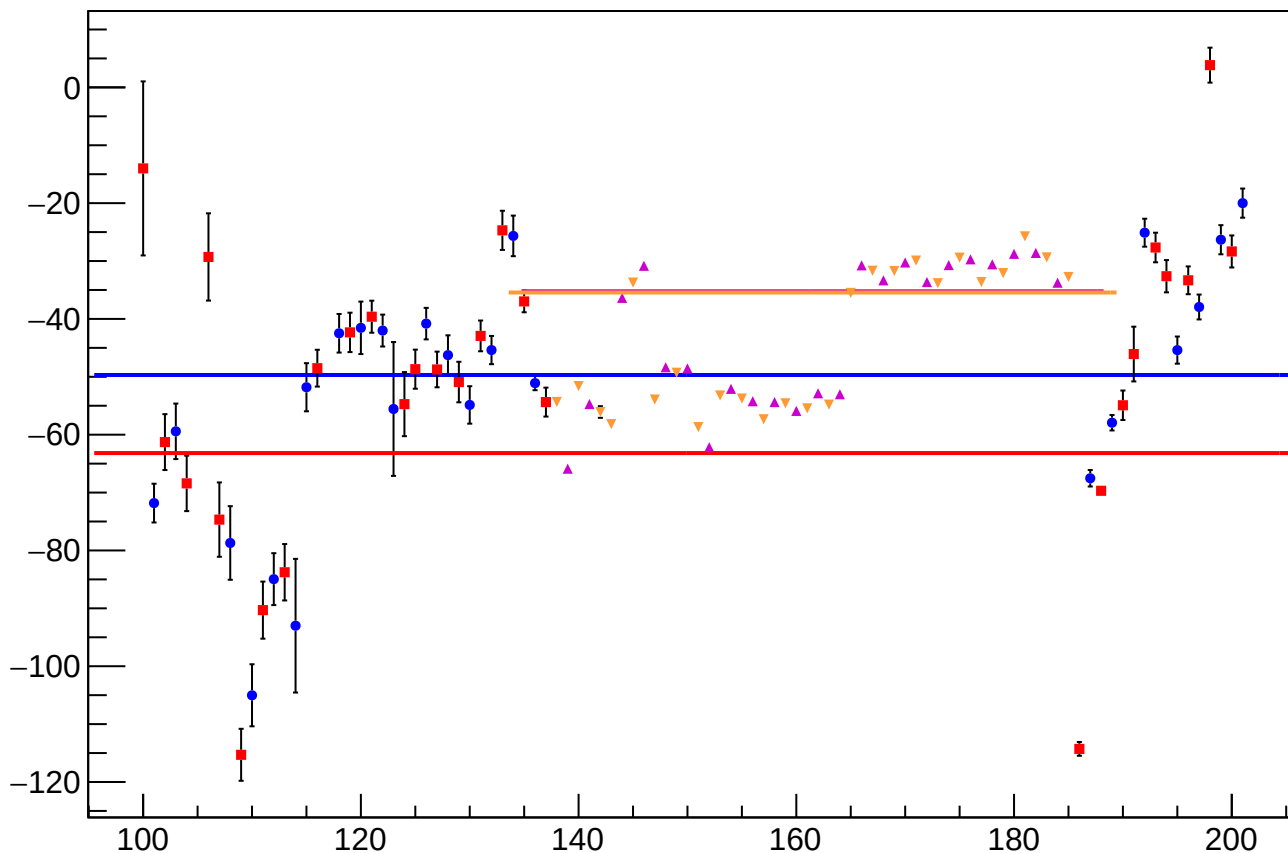
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.089 ± 0.072 χ^2/NDF : 2863.2/48

All: 6.978 ± 0.051 χ^2/NDF : 6740.6/99

- sign 6.865 ± 0.073 χ^2/NDF : 3872.7/50

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -49.685 ± 0.516 χ^2/NDF : 890.3/23

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -63.175 ± 0.436 χ^2/NDF : 3881.4/27

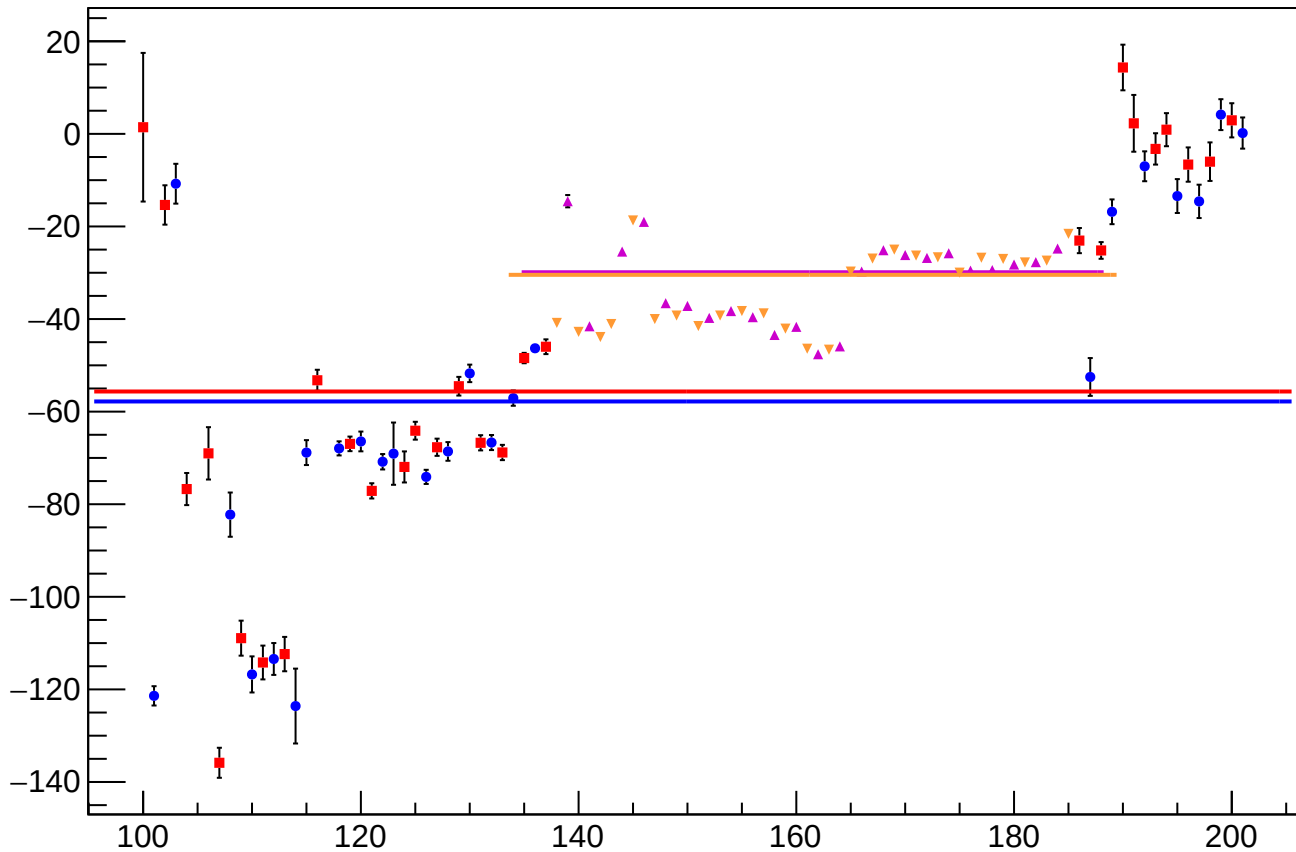
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.846 ± 0.088 χ^2/NDF : 14413.9/48

All: -36.107 ± 0.062 χ^2/NDF : 33848.9/99

- sign -36.371 ± 0.088 χ^2/NDF : 19417.2/50

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.803 ± 0.423 χ^2/NDF : 3583.3/23

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -55.649 ± 0.441 χ^2/NDF : 3721.0/27

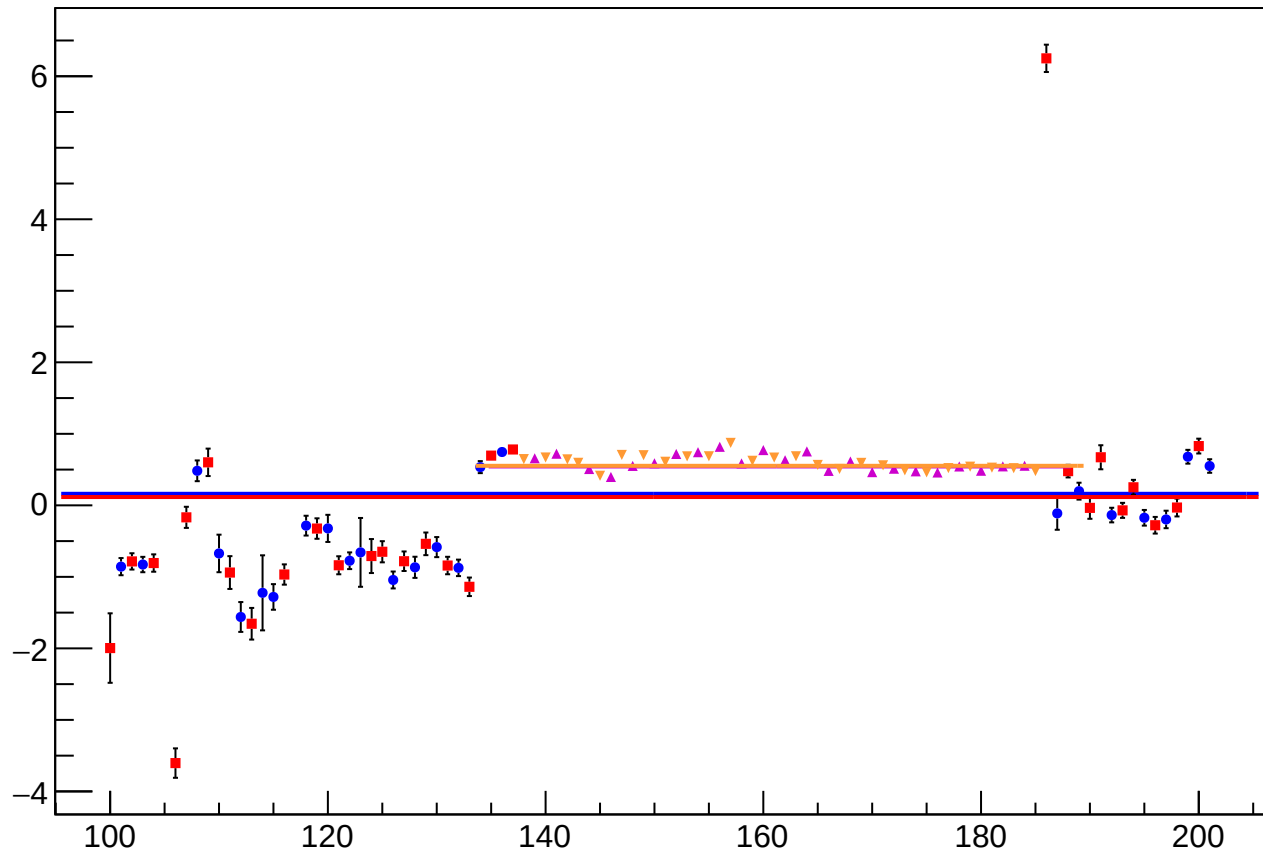
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.426 ± 0.080 χ^2/NDF : 15777.5/48

All: -31.101 ± 0.057 χ^2/NDF : 29949.1/99

- sign -30.766 ± 0.081 χ^2/NDF : 14138.1/50

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.161 ± 0.021 χ^2/NDF : 1061.1/23

Left Out: 0.553 ± 0.004 χ^2/NDF : 542.1/24

Right Out: 0.116 ± 0.022 χ^2/NDF : 2327.4/27

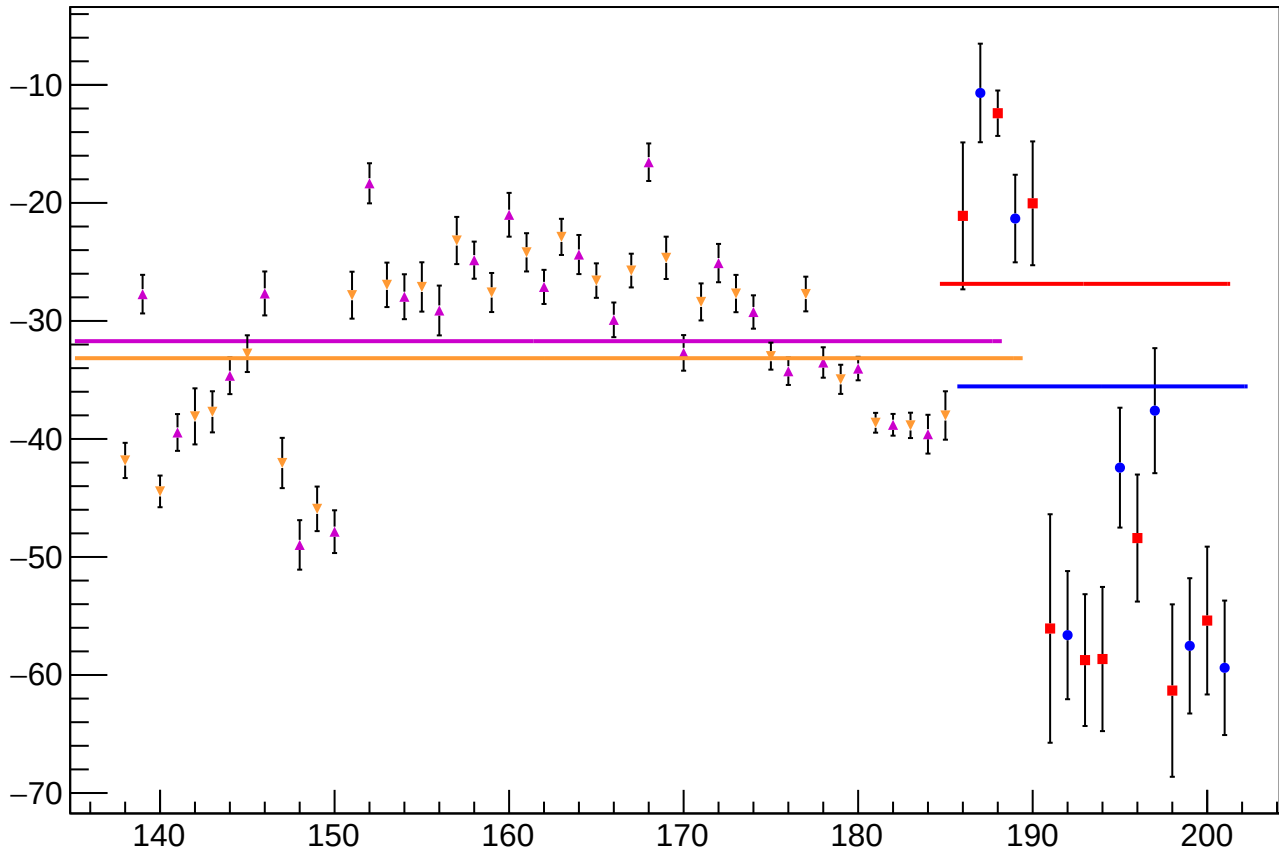
Left In: 0.544 ± 0.004 χ^2/NDF : 655.9/22

+ sign 0.541 ± 0.004 χ^2/NDF : 1942.4/48

All: 0.536 ± 0.003 χ^2/NDF : 5300.3/99

- sign 0.531 ± 0.004 χ^2/NDF : 3354.5/50

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -35.547 ± 1.827 $\chi^2/\text{NDF}: 99.4/6$

Left Out: -33.157 ± 0.300 $\chi^2/\text{NDF}: 500.1/24$

Right Out: -26.858 ± 1.443 $\chi^2/\text{NDF}: 186.8/8$

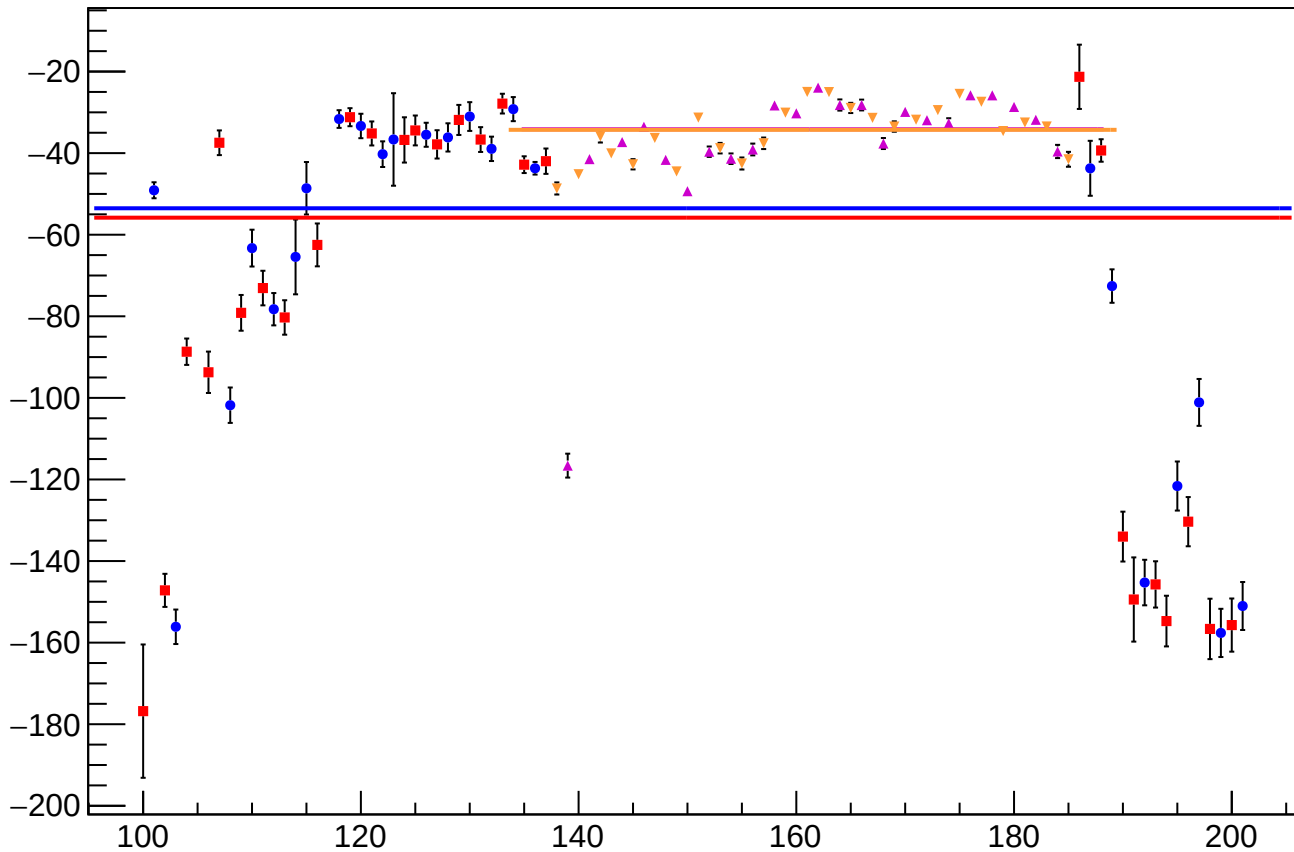
Left In: -31.714 ± 0.309 $\chi^2/\text{NDF}: 542.3/22$

+ sign -33.220 ± 0.296 $\chi^2/\text{NDF}: 601.2/31$

All: -32.377 ± 0.212 $\chi^2/\text{NDF}: 1357.6/63$

- sign -31.501 ± 0.302 $\chi^2/\text{NDF}: 739.9/31$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -53.518 ± 0.690 χ^2/NDF : 2242.0/23

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -55.822 ± 0.703 χ^2/NDF : 2737.7/27

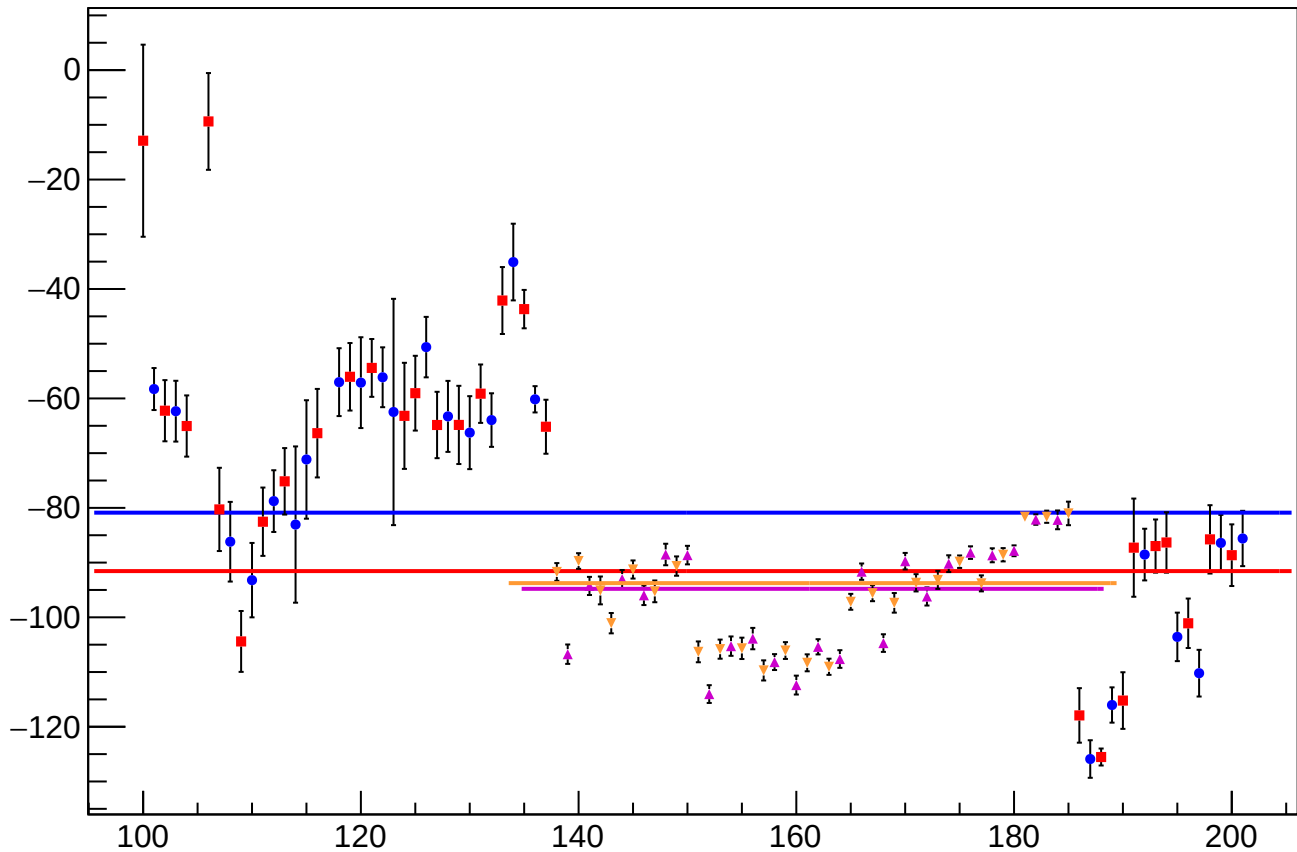
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -36.388 ± 0.228 χ^2/NDF : 3630.1/48

All: -36.485 ± 0.164 χ^2/NDF : 8663.4/99

- sign -36.590 ± 0.236 χ^2/NDF : 5032.9/50

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -80.875 ± 1.007 χ^2/NDF : 635.2/23

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -91.553 ± 0.909 χ^2/NDF : 1183.7/27

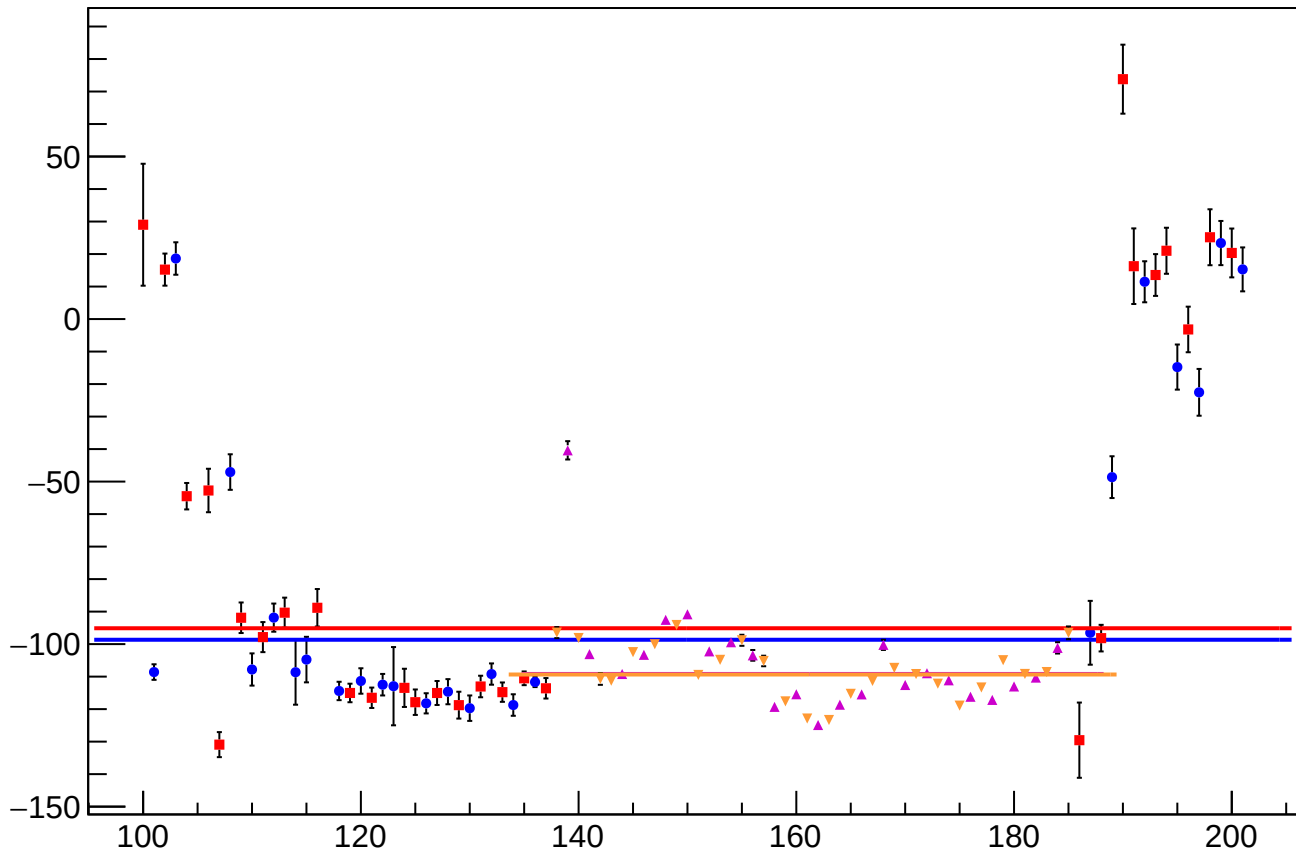
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.694 ± 0.289 χ^2/NDF : 1668.3/48

All: -93.568 ± 0.205 χ^2/NDF : 3856.6/99

- sign -94.461 ± 0.292 χ^2/NDF : 2169.9/50

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -98.660 ± 0.782 χ^2/NDF : 2158.6/23

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -95.121 ± 0.810 χ^2/NDF : 2646.8/27

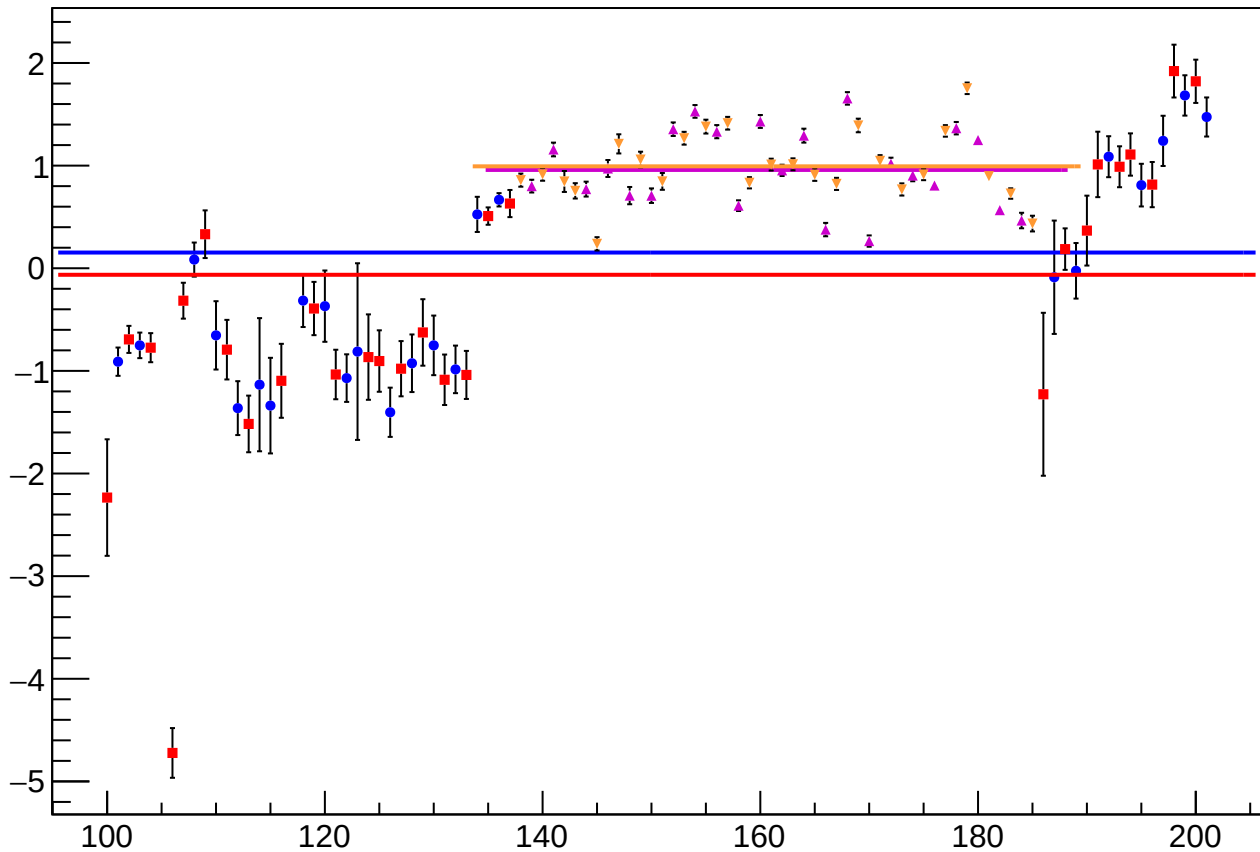
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -108.202 ± 0.256 χ^2/NDF : 3152.4/48

All: -107.952 ± 0.184 χ^2/NDF : 7571.4/99

- sign -107.685 ± 0.265 χ^2/NDF : 4417.0/50

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.153 ± 0.038 χ^2/NDF : 519.7/23

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.064 ± 0.039 χ^2/NDF : 864.1/27

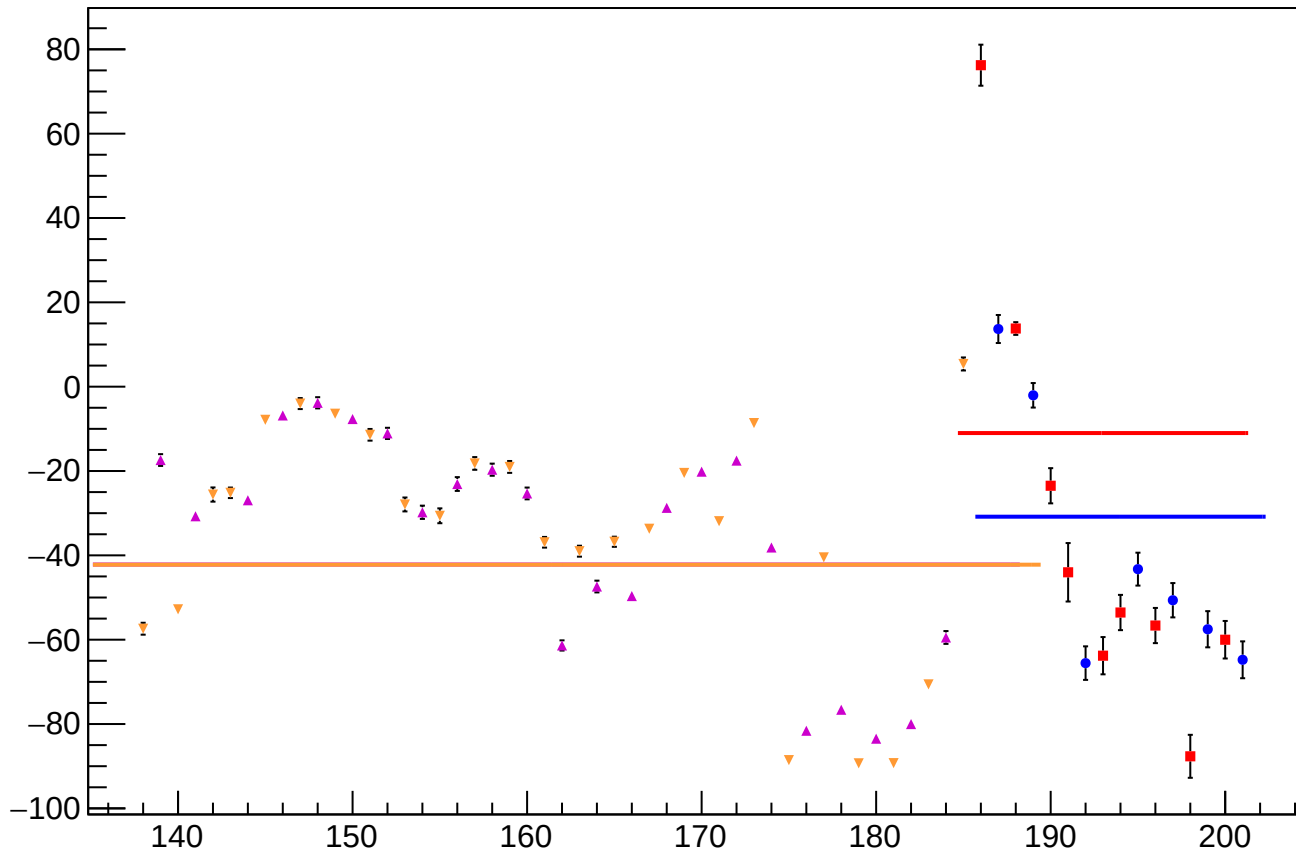
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.912 ± 0.012 χ^2/NDF : 1600.8/48

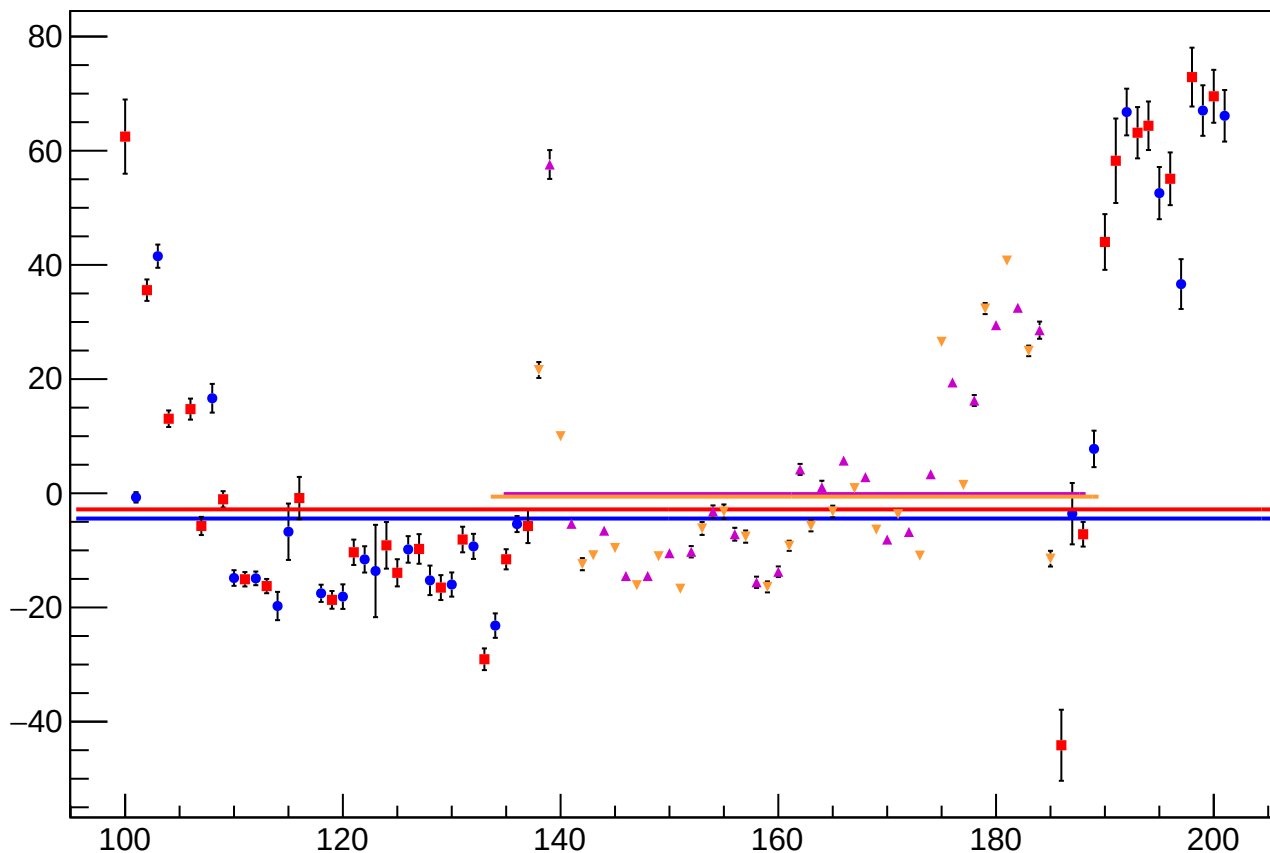
All: 0.886 ± 0.008 χ^2/NDF : 3997.9/99

- sign 0.859 ± 0.012 χ^2/NDF : 2387.4/50

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.426 ± 0.416 $\chi^2/\text{NDF}: 2099.3/23$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: -2.820 ± 0.410 $\chi^2/\text{NDF}: 2642.4/27$

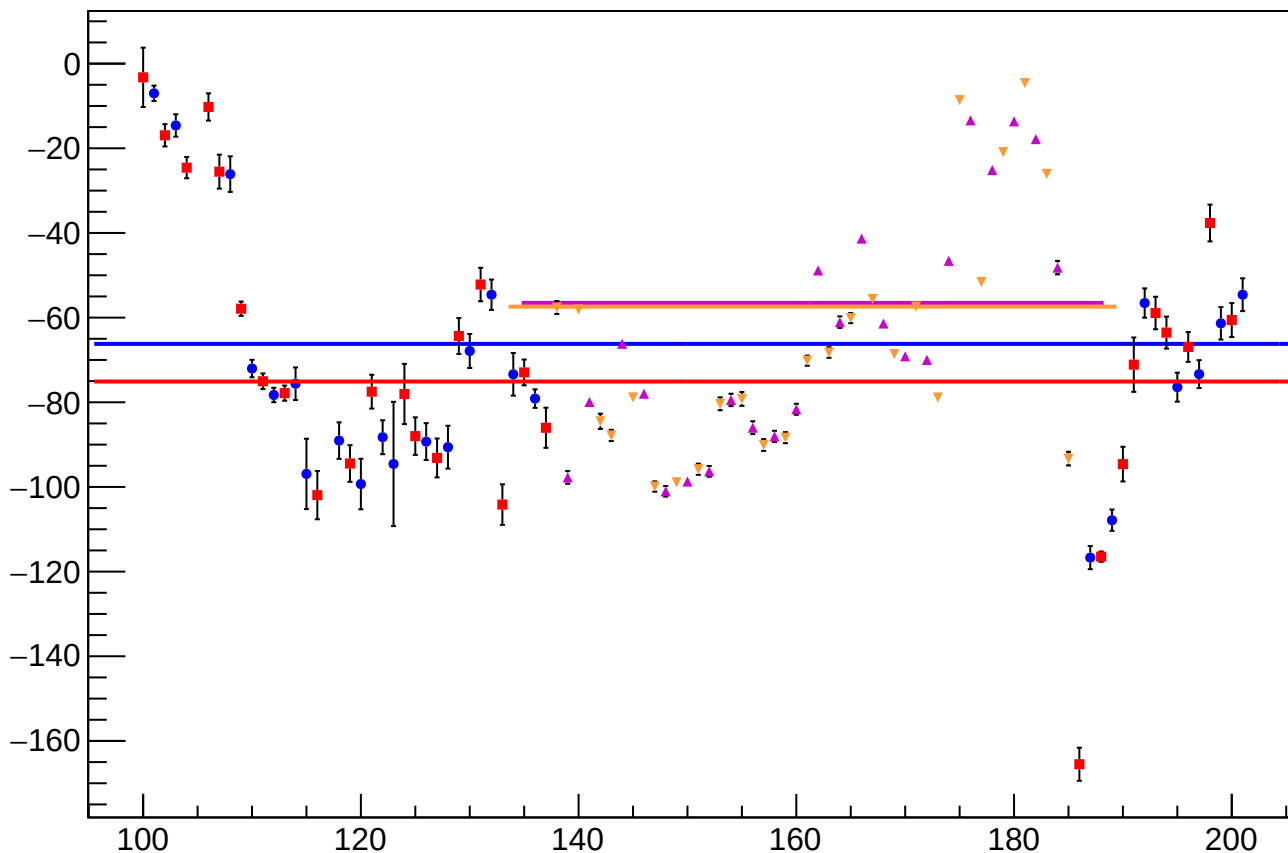
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -1.163 ± 0.161 $\chi^2/\text{NDF}: 10922.6/48$

All: -0.874 ± 0.115 $\chi^2/\text{NDF}: 20470.1/99$

- sign -0.572 ± 0.164 $\chi^2/\text{NDF}: 9540.8/50$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.204 ± 0.635 χ^2/NDF : 2448.1/23

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -75.096 ± 0.562 χ^2/NDF : 3645.3/27

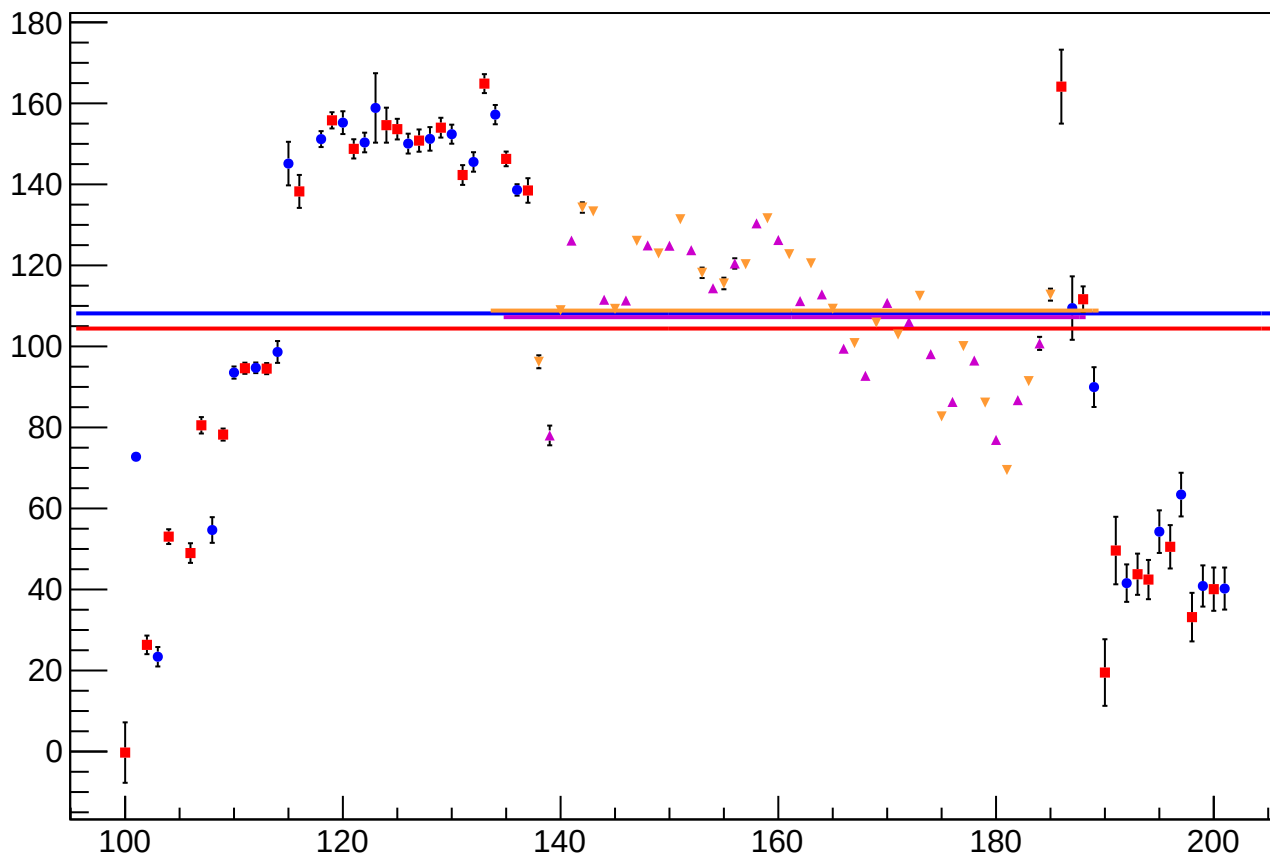
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.379 ± 0.211 χ^2/NDF : 21222.7/48

All: -58.754 ± 0.149 χ^2/NDF : 42166.9/99

- sign -59.128 ± 0.211 χ^2/NDF : 20937.9/50

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 108.149 $\pm$ 0.476 χ^2 /NDF: 6642.0/23

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 104.411 $\pm$ 0.471 χ^2 /NDF: 7966.6/27

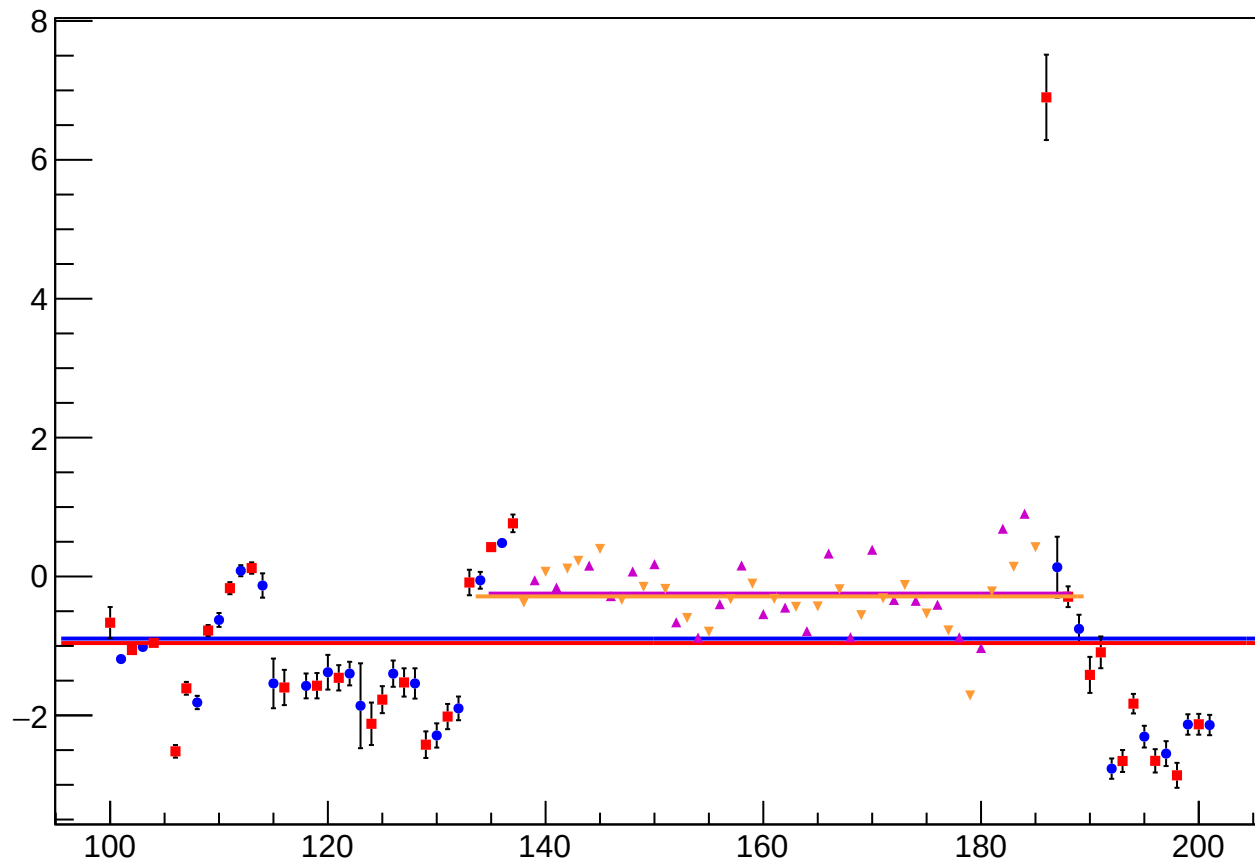
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.744 $\pm$ 0.182 χ^2 /NDF: 14044.0/48

All: 107.784 $\pm$ 0.130 χ^2 /NDF: 27662.6/99

- sign 106.786 $\pm$ 0.186 χ^2 /NDF: 13562.0/50

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.894 ± 0.024 χ^2/NDF : 1530.2/23

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.959 ± 0.023 χ^2/NDF : 1953.5/27

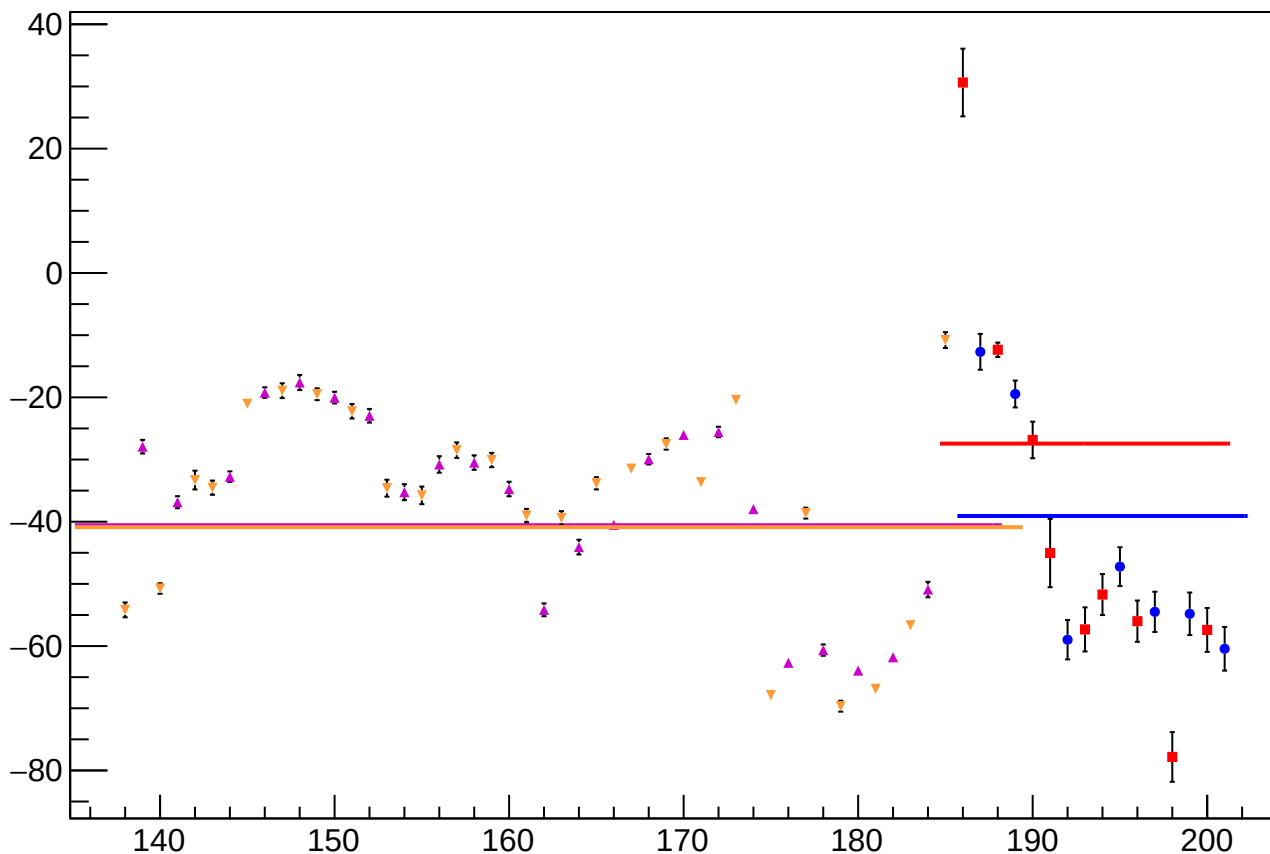
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.363 ± 0.008 χ^2/NDF : 4143.5/48

All: -0.356 ± 0.006 χ^2/NDF : 9744.0/99

- sign -0.349 ± 0.009 χ^2/NDF : 5599.2/50

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -39.083 ± 1.119 χ^2/NDF : 293.4/6

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -27.440 ± 0.865 χ^2/NDF : 725.0/8

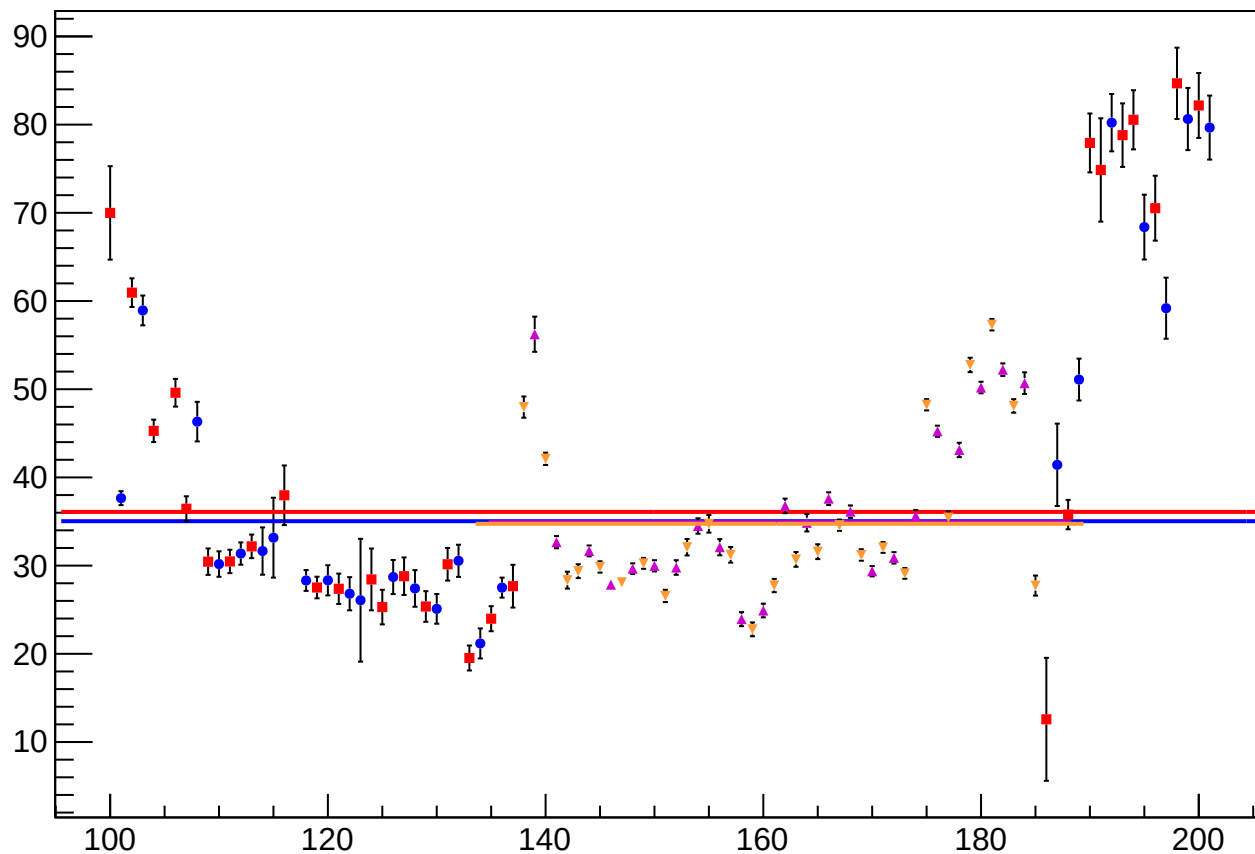
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.831 ± 0.184 χ^2/NDF : 9419.1/31

All: -40.402 ± 0.130 χ^2/NDF : 17329.7/63

- sign -39.963 ± 0.185 χ^2/NDF : 7899.6/31

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 35.037 $\pm$ 0.360 χ^2 /NDF: 1191.7/23

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF: 3693.2/24

Right Out: 36.089 $\pm$ 0.357 χ^2 /NDF: 1751.0/27

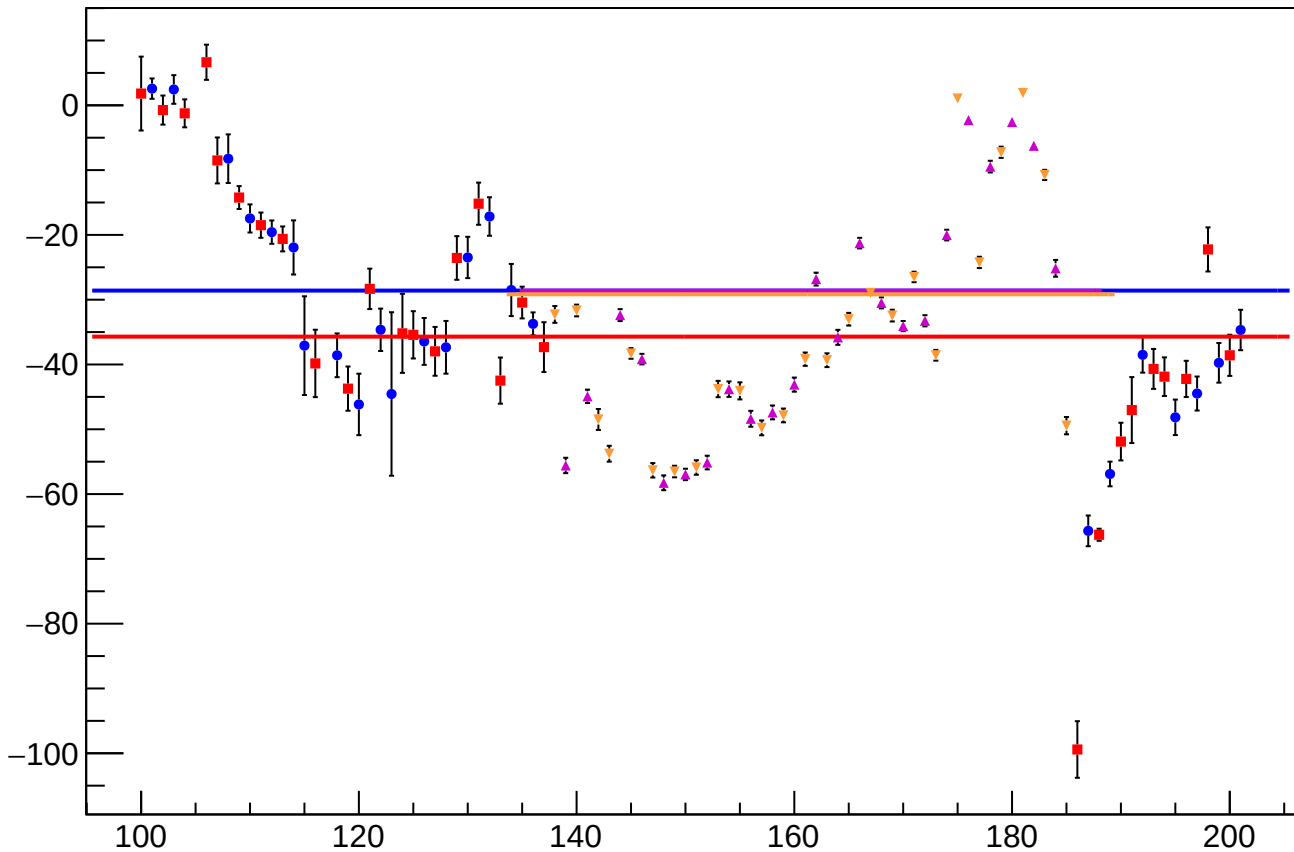
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF: 2672.9/22

+ sign 34.783 $\pm$ 0.136 χ^2 /NDF: 4885.4/48

All: 34.938 $\pm$ 0.098 χ^2 /NDF: 9321.0/99

- sign 35.100 $\pm$ 0.140 χ^2 /NDF: 4433.0/50

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -28.594 ± 0.549 $\chi^2/\text{NDF}: 1320.8/23$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -35.700 ± 0.483 $\chi^2/\text{NDF}: 2552.5/27$

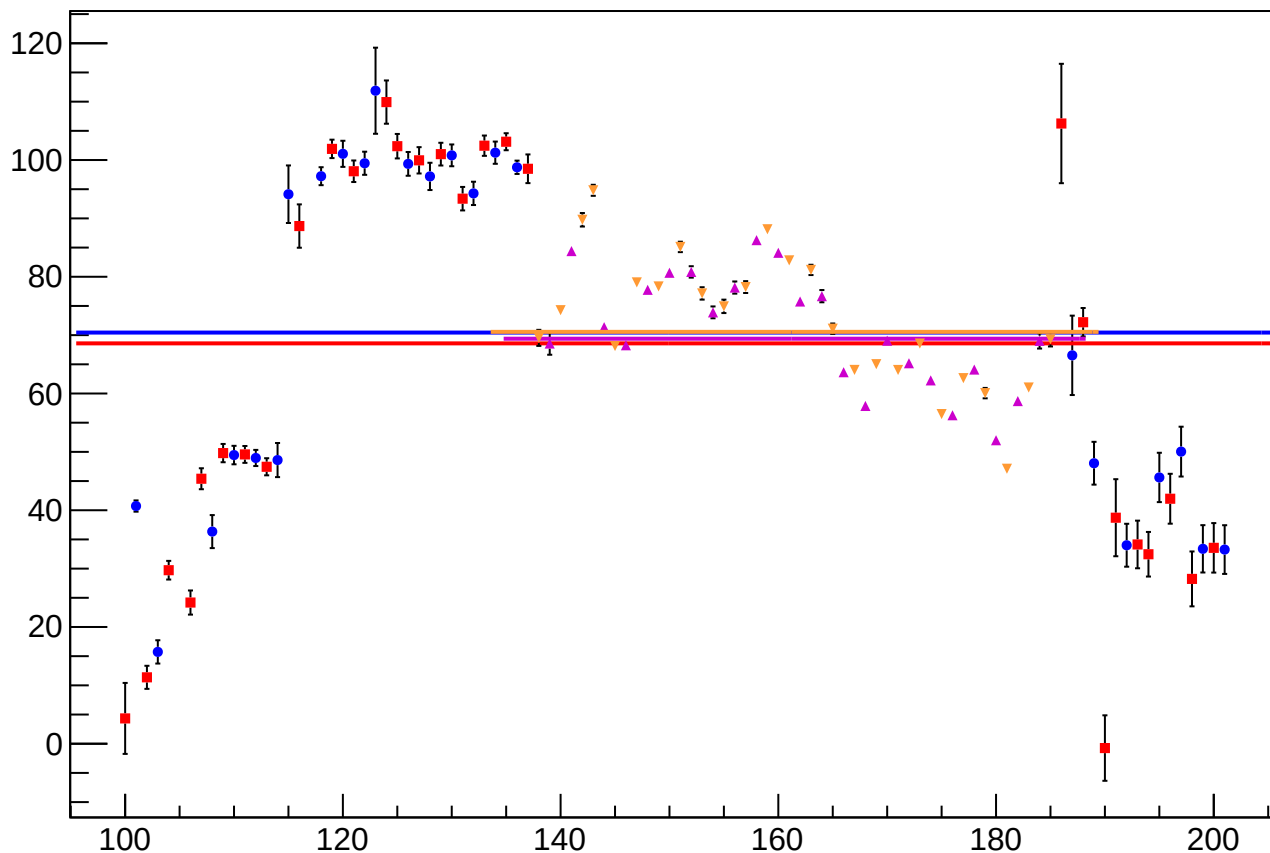
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -29.104 ± 0.177 $\chi^2/\text{NDF}: 11447.8/48$

All: -29.335 ± 0.125 $\chi^2/\text{NDF}: 23231.2/99$

- sign -29.565 ± 0.177 $\chi^2/\text{NDF}: 11780.0/50$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 70.441 $\pm$ 0.414 χ^2 /NDF: 5051.9/23

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF: 4589.1/24

Right Out: 68.589 $\pm$ 0.414 χ^2 /NDF: 6050.8/27

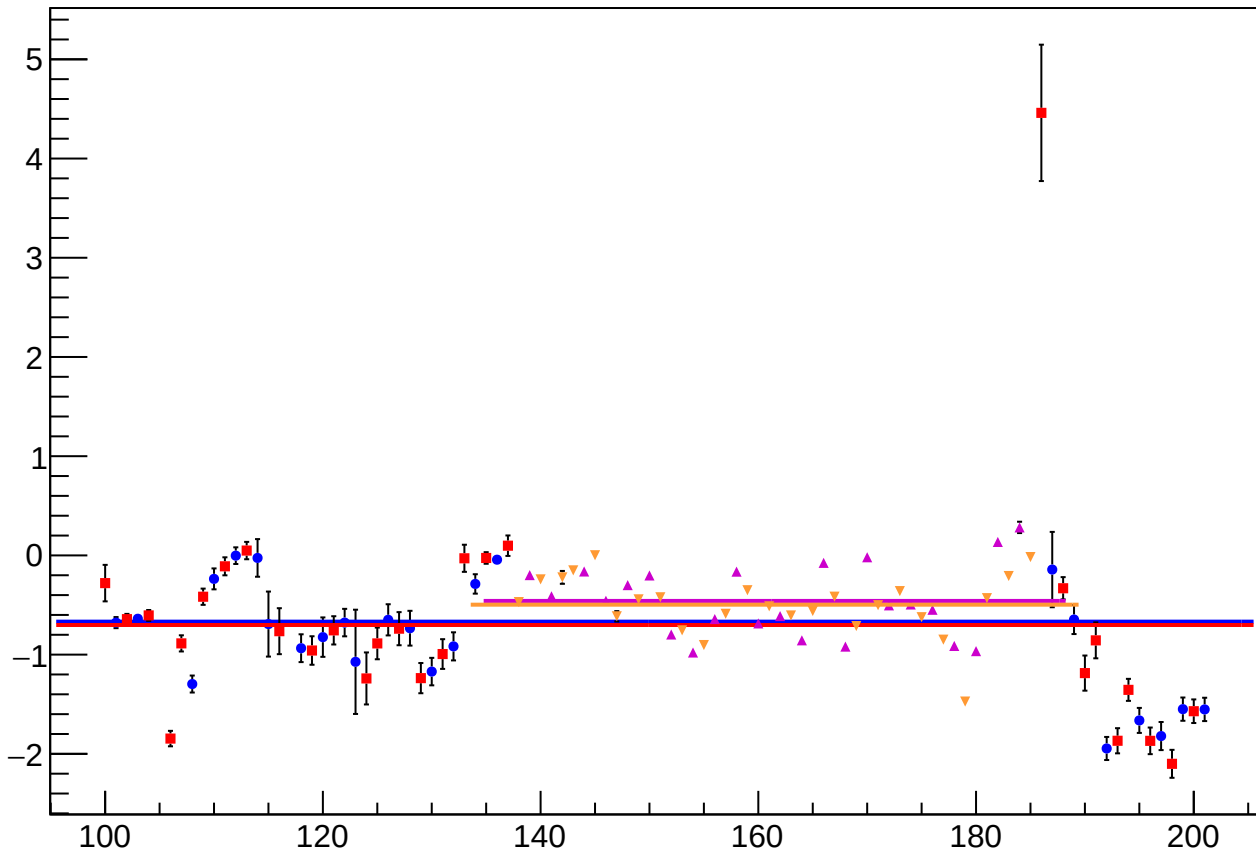
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF: 3321.8/22

+ sign 70.546 $\pm$ 0.154 χ^2 /NDF: 9641.1/48

All: 69.922 $\pm$ 0.110 χ^2 /NDF: 19050.3/99

- sign 69.272 $\pm$ 0.157 χ^2 /NDF: 9375.8/50

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.668 ± 0.020 χ^2/NDF : 724.0/23

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.701 ± 0.019 χ^2/NDF : 1025.1/27

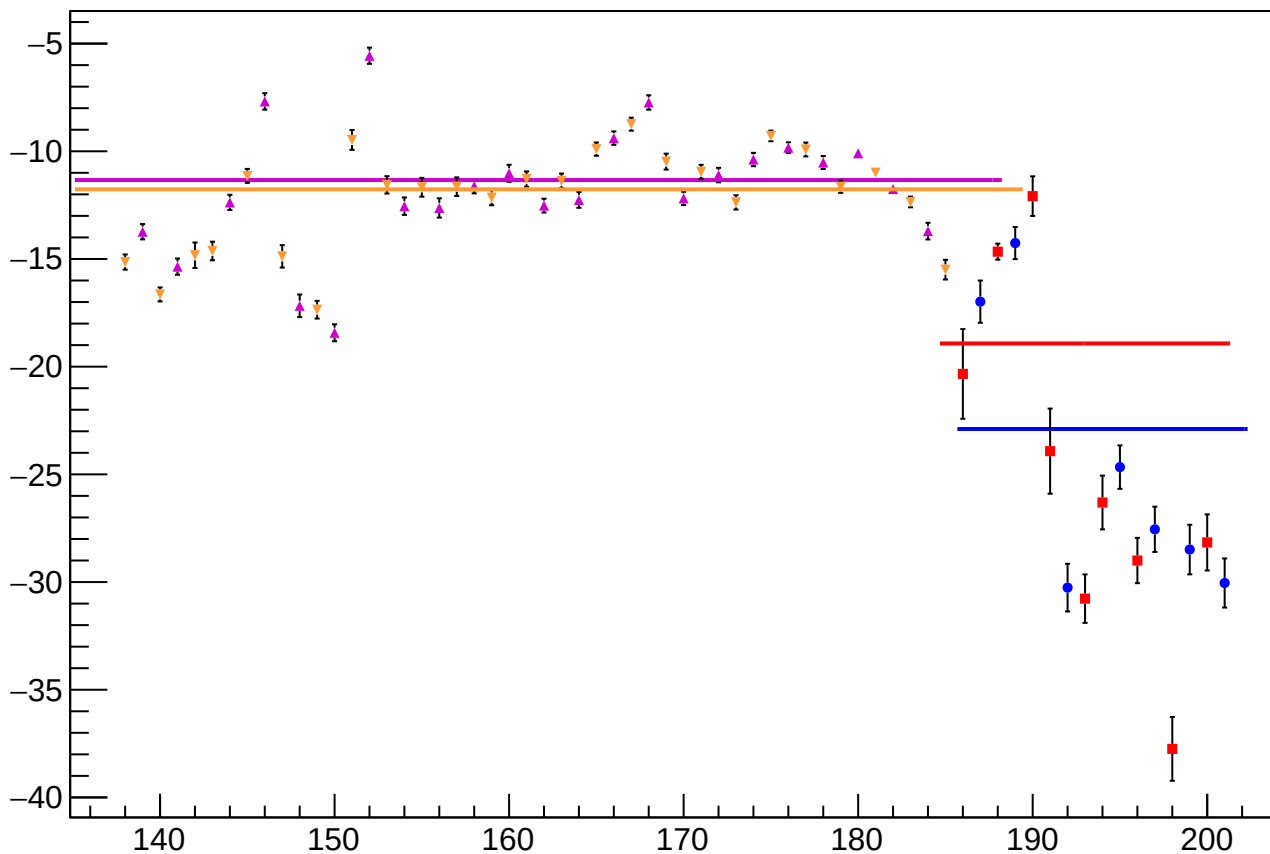
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.517 ± 0.007 χ^2/NDF : 2234.5/48

All: -0.505 ± 0.005 χ^2/NDF : 5358.5/99

- sign -0.492 ± 0.007 χ^2/NDF : 3117.6/50

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -22.894 ± 0.376 χ^2/NDF : 300.5/6

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -18.923 ± 0.286 χ^2/NDF : 642.8/8

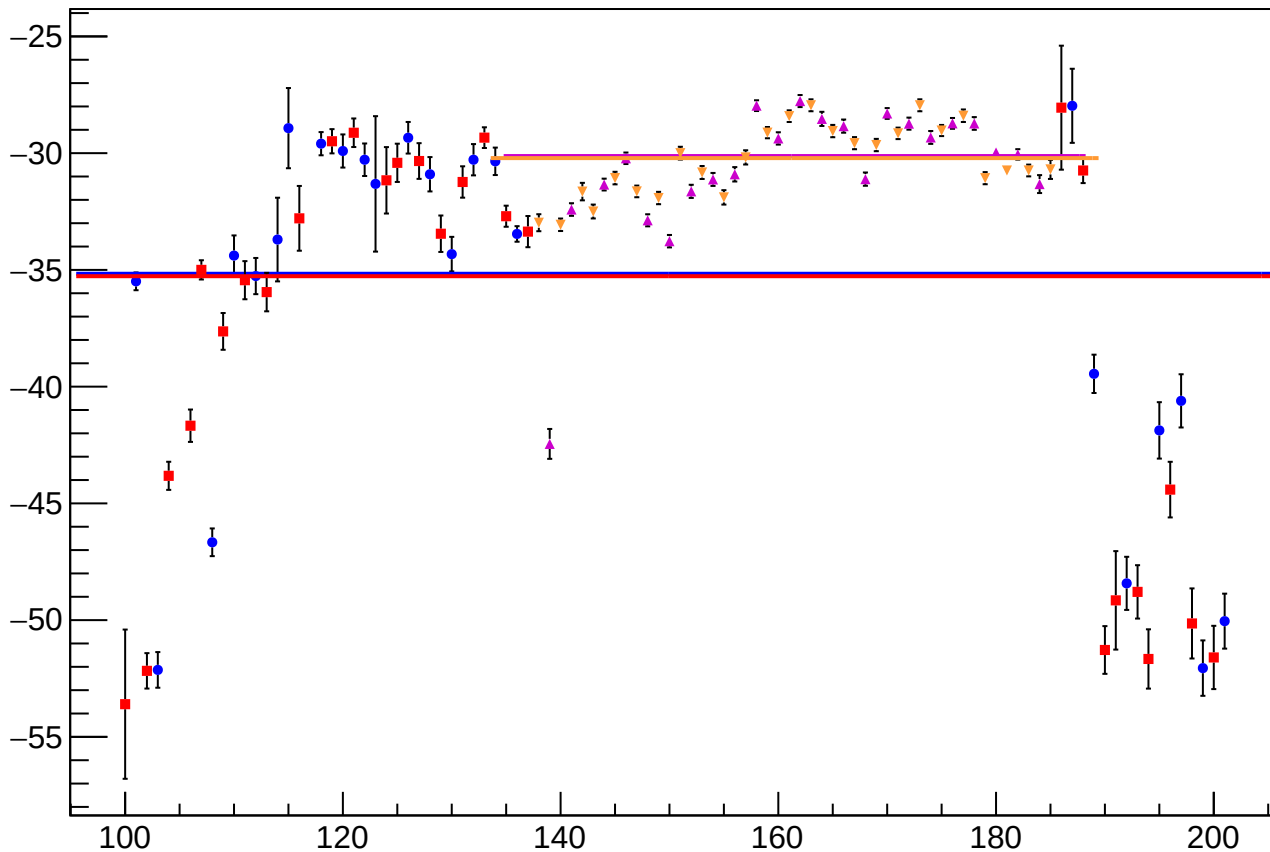
Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -12.106 ± 0.066 χ^2/NDF : 2170.0/31

All: -11.926 ± 0.047 χ^2/NDF : 4765.5/63

- sign -11.744 ± 0.066 χ^2/NDF : 2580.4/31

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -35.166 ± 0.143 χ^2/NDF : 1971.4/23

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -35.270 ± 0.139 χ^2/NDF : 2376.1/27

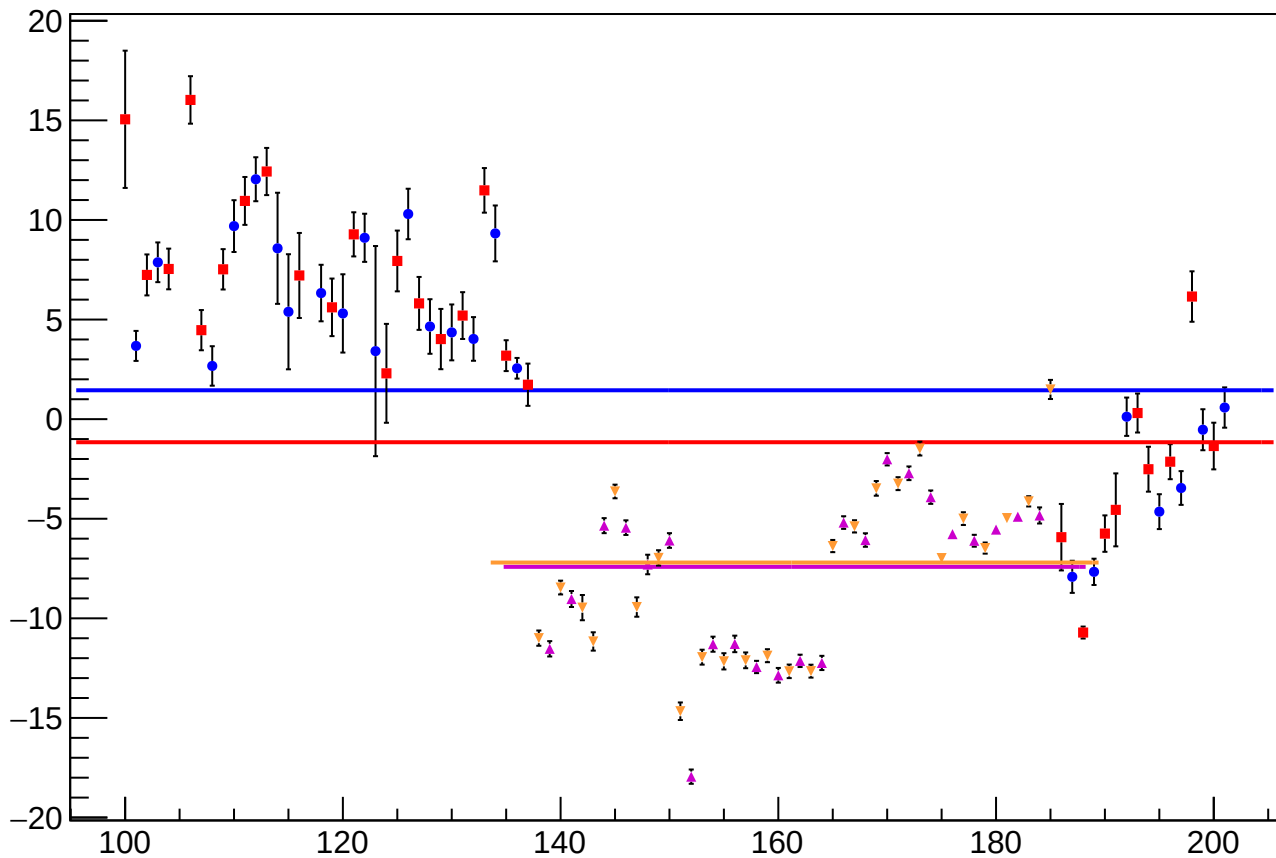
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.827 ± 0.050 χ^2/NDF : 3755.1/48

All: -30.829 ± 0.036 χ^2/NDF : 8538.2/99

- sign -30.831 ± 0.052 χ^2/NDF : 4783.1/50

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 1.449 $\pm$ 0.208 χ^2 /NDF: 762.6/23

Left Out: -7.199 $\pm$ 0.067 χ^2 /NDF:3037.3/24

Right Out: -1.159 $\pm$ 0.181 χ^2 /NDF: 2193.3/27

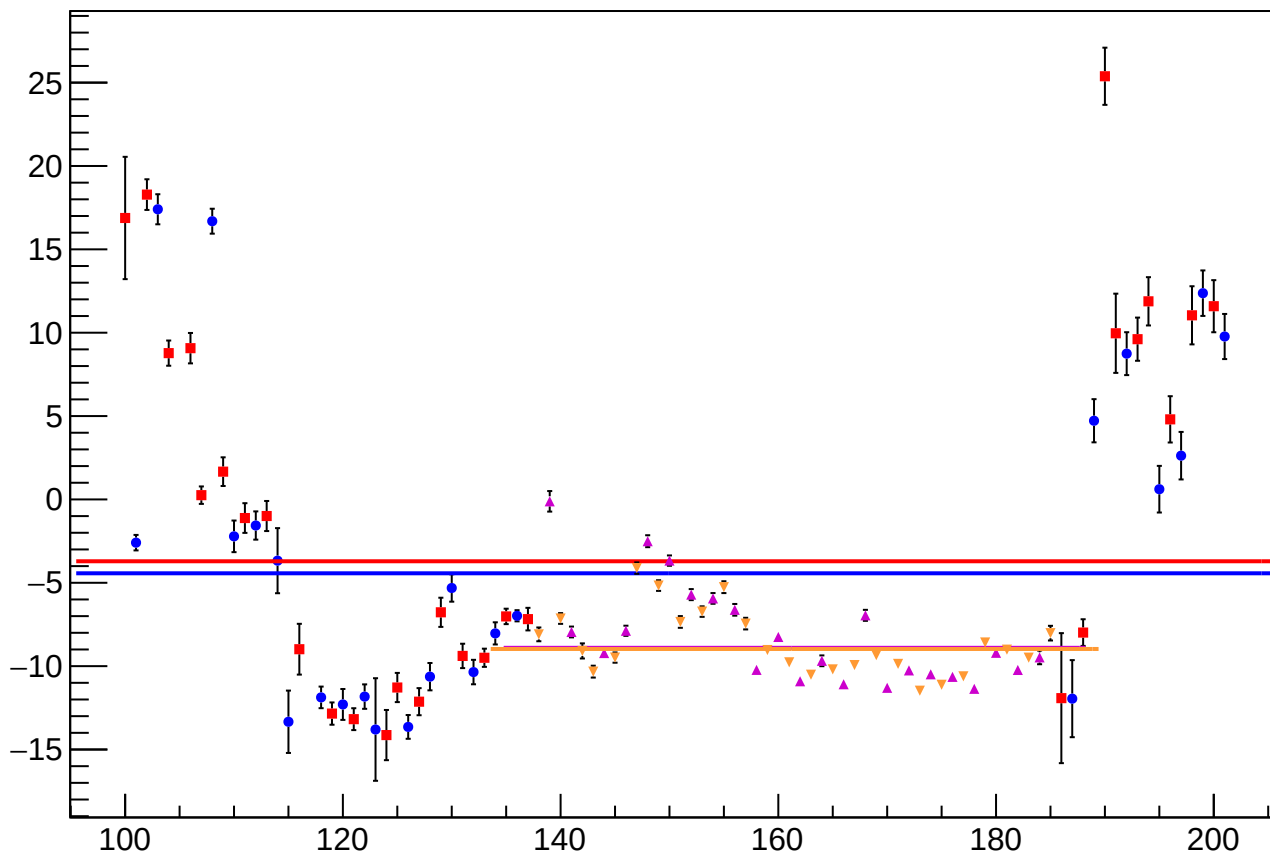
Left In: -7.415 $\pm$ 0.068 χ^2 /NDF:3123.3/22

+ sign -6.387 $\pm$ 0.064 χ^2 /NDF: 5370.7/48

All: -6.514 $\pm$ 0.045 χ^2 /NDF: 11746.9/99

- sign -6.641 $\pm$ 0.064 χ^2 /NDF: 6368.2/50

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.431+/-0.163 χ^2/NDF : 2597.3/23

Left Out: -8.970+/-0.060 χ^2/NDF : 878.8/24

Right Out: -3.709+/-0.163 χ^2/NDF : 2867.2/27

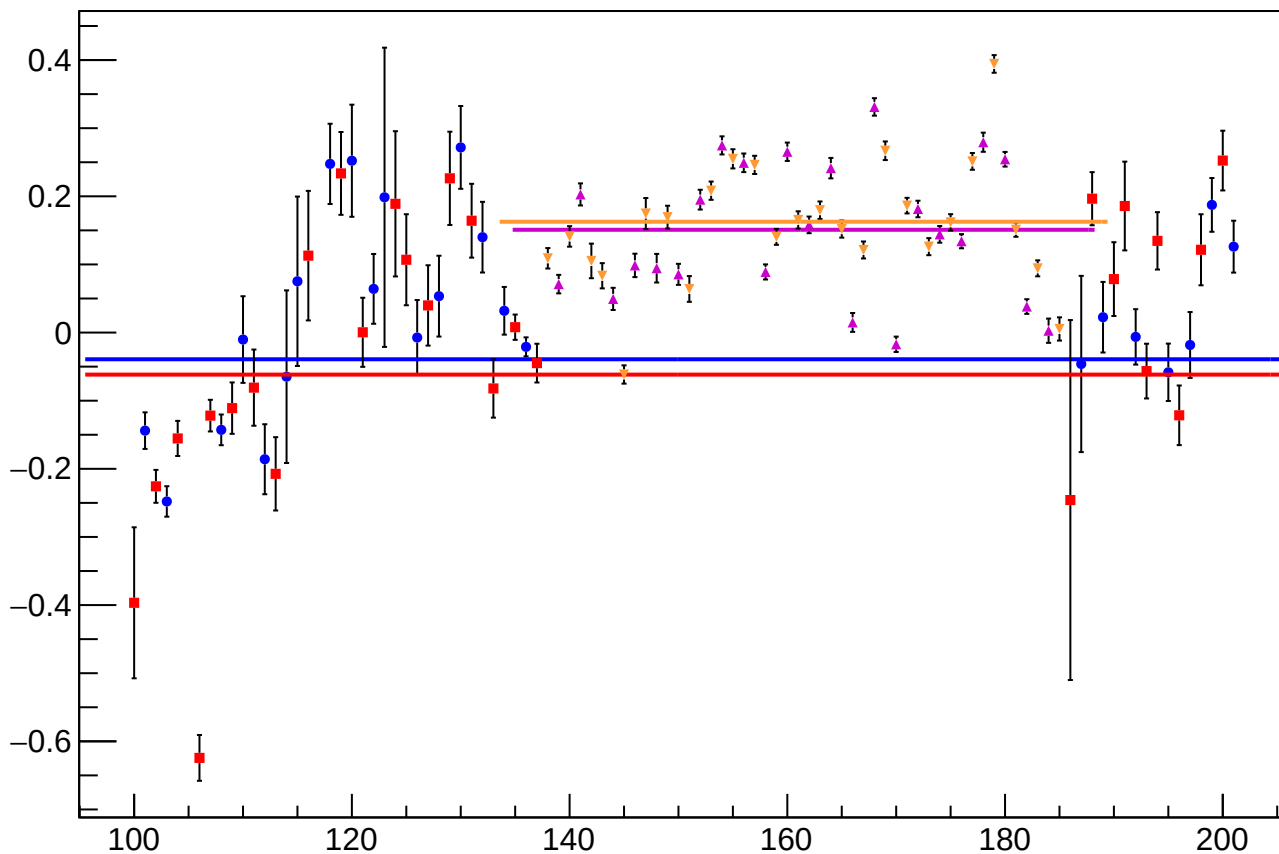
Left In: -8.900+/-0.062 χ^2/NDF : 1533.9/22

+ sign -8.426+/-0.056 χ^2/NDF : 4158.8/48

All: -8.339+/-0.040 χ^2/NDF : 9455.9/99

- sign -8.248+/-0.058 χ^2/NDF : 5292.2/50

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.039 ± 0.008 $\chi^2/\text{NDF}: 275.2/23$

Left Out: 0.163 ± 0.003 $\chi^2/\text{NDF}: 1018.1/24$

Right Out: -0.062 ± 0.007 $\chi^2/\text{NDF}: 610.5/27$

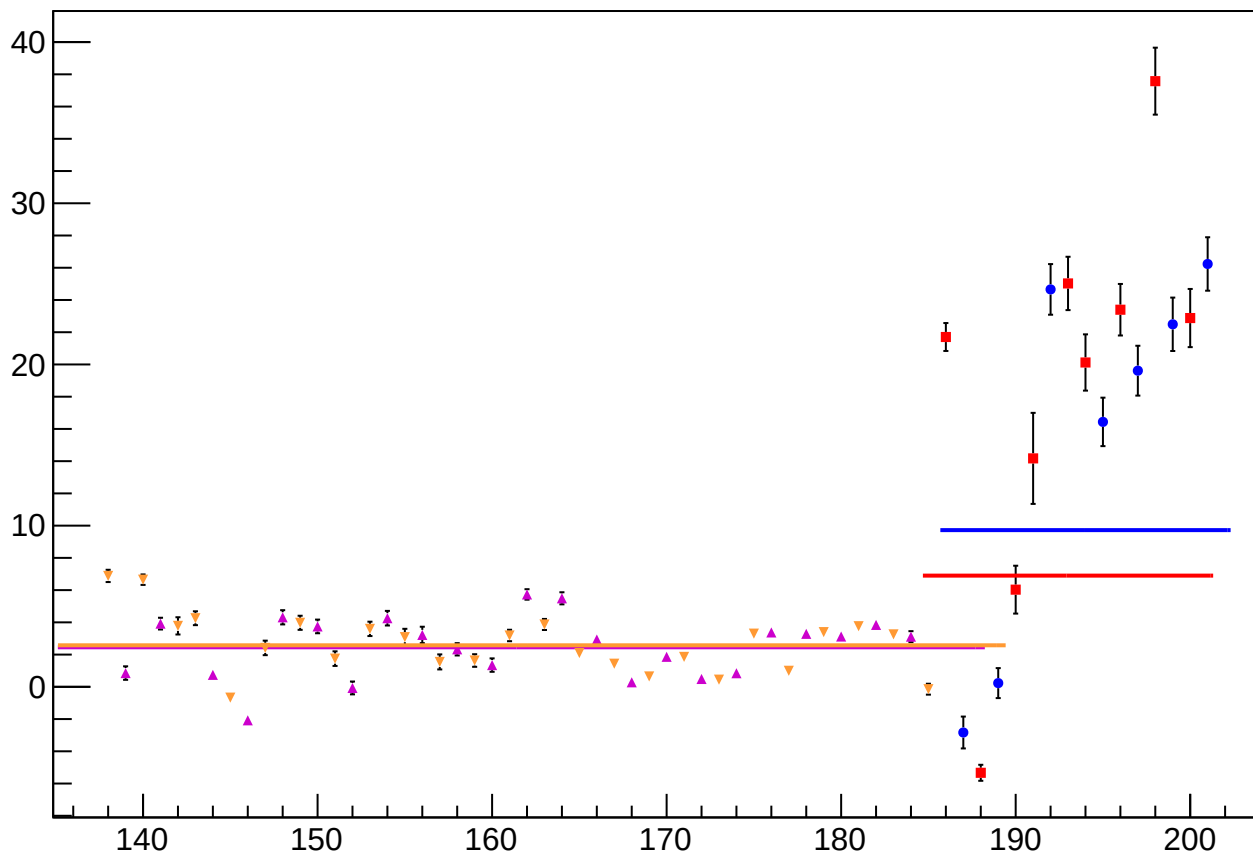
Left In: 0.151 ± 0.003 $\chi^2/\text{NDF}: 1286.5/22$

+ sign 0.139 ± 0.003 $\chi^2/\text{NDF}: 1924.6/48$

All: 0.132 ± 0.002 $\chi^2/\text{NDF}: 4547.2/99$

- sign 0.125 ± 0.003 $\chi^2/\text{NDF}: 2607.6/50$

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 9.722 ± 0.489 χ^2/NDF : 575.3/6

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 6.899 ± 0.363 χ^2/NDF : 1486.7/8

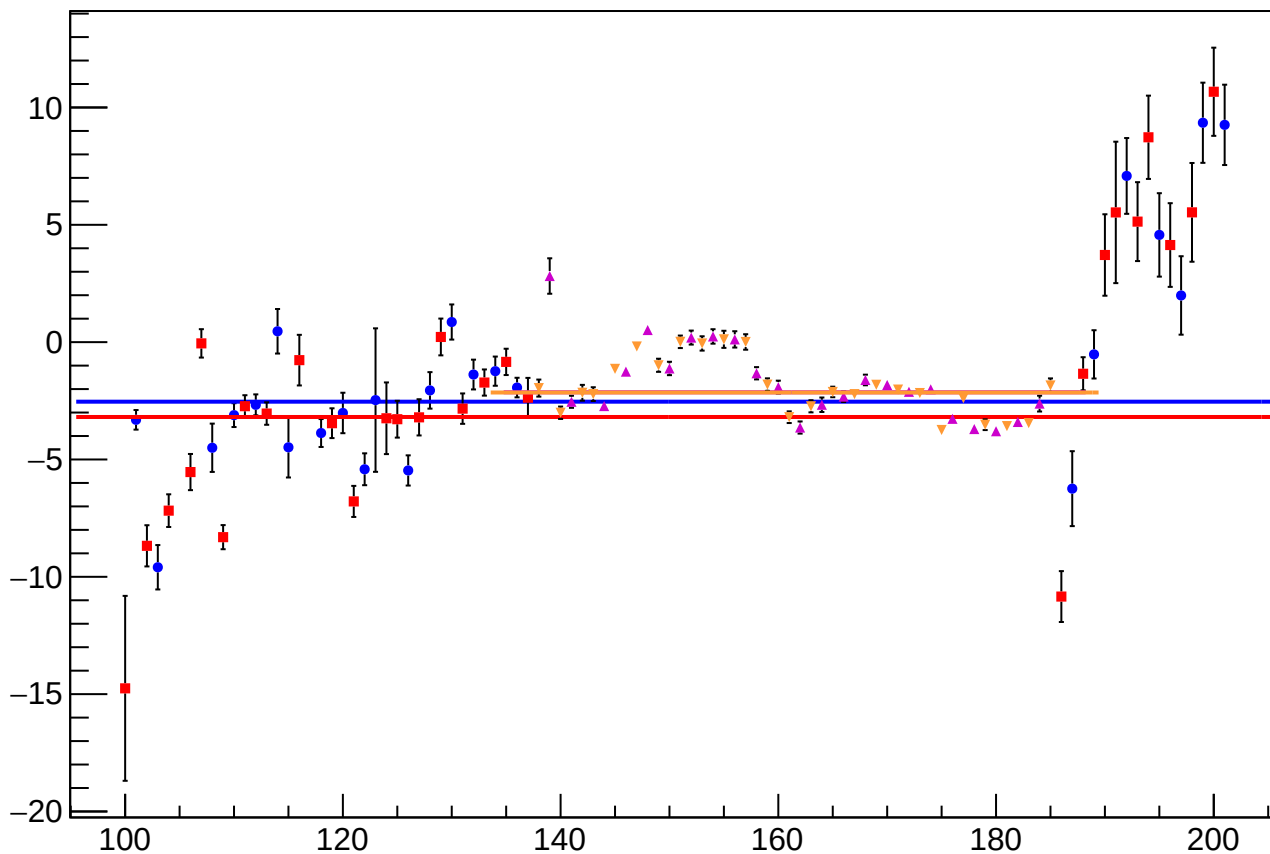
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.677 ± 0.058 χ^2/NDF : 1652.9/31

All: 2.623 ± 0.041 χ^2/NDF : 4158.9/63

- sign 2.568 ± 0.059 χ^2/NDF : 2504.2/31

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.537 ± 0.150 $\chi^2/\text{NDF}: 315.1/23$

Left Out: -2.146 ± 0.048 $\chi^2/\text{NDF}: 573.4/24$

Right Out: -3.189 ± 0.147 $\chi^2/\text{NDF}: 535.4/27$

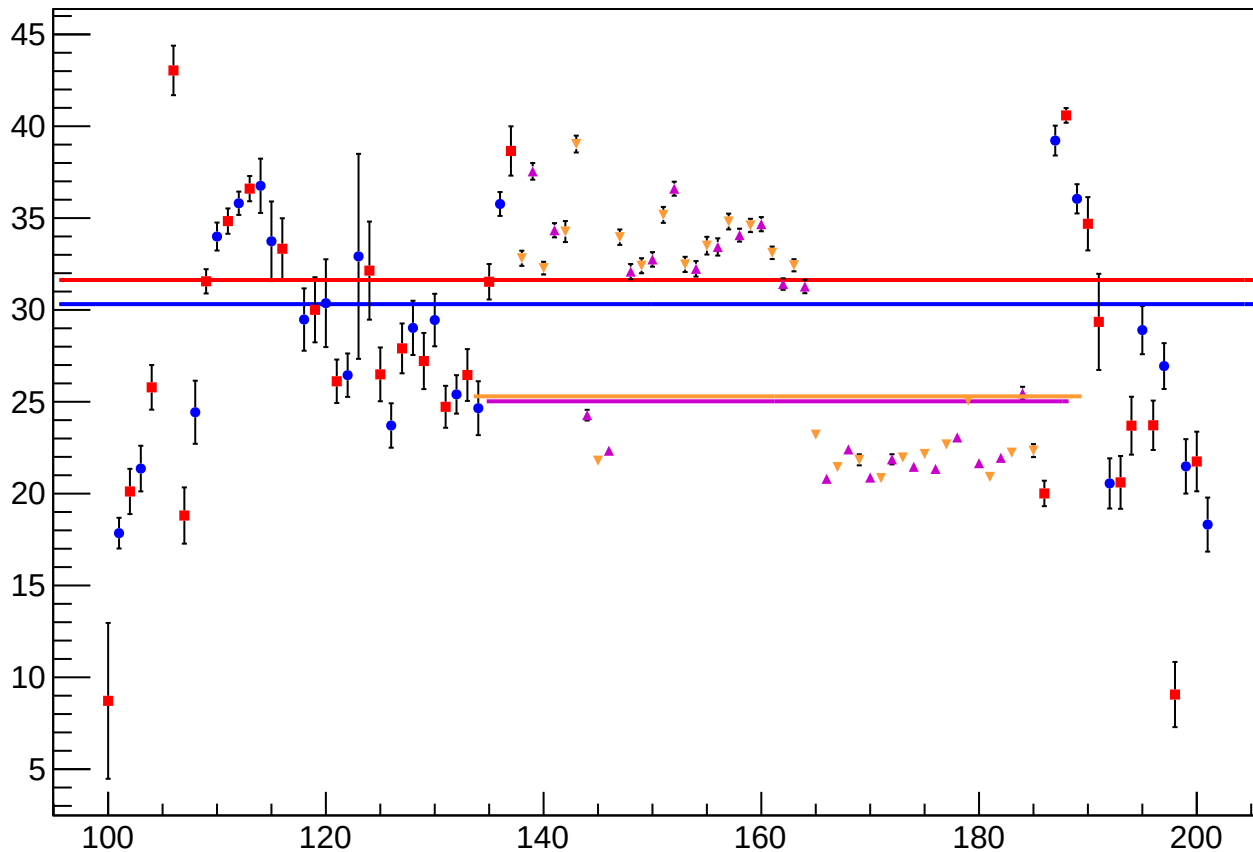
Left In: -2.136 ± 0.048 $\chi^2/\text{NDF}: 691.2/22$

+ sign -2.182 ± 0.045 $\chi^2/\text{NDF}: 894.7/48$

All: -2.210 ± 0.032 $\chi^2/\text{NDF}: 2168.7/99$

- sign -2.240 ± 0.046 $\chi^2/\text{NDF}: 1273.2/50$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 30.316 $\pm$ 0.225 χ^2 /NDF: 889.2/23

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 31.630 $\pm$ 0.197 χ^2 /NDF: 1589.4/27

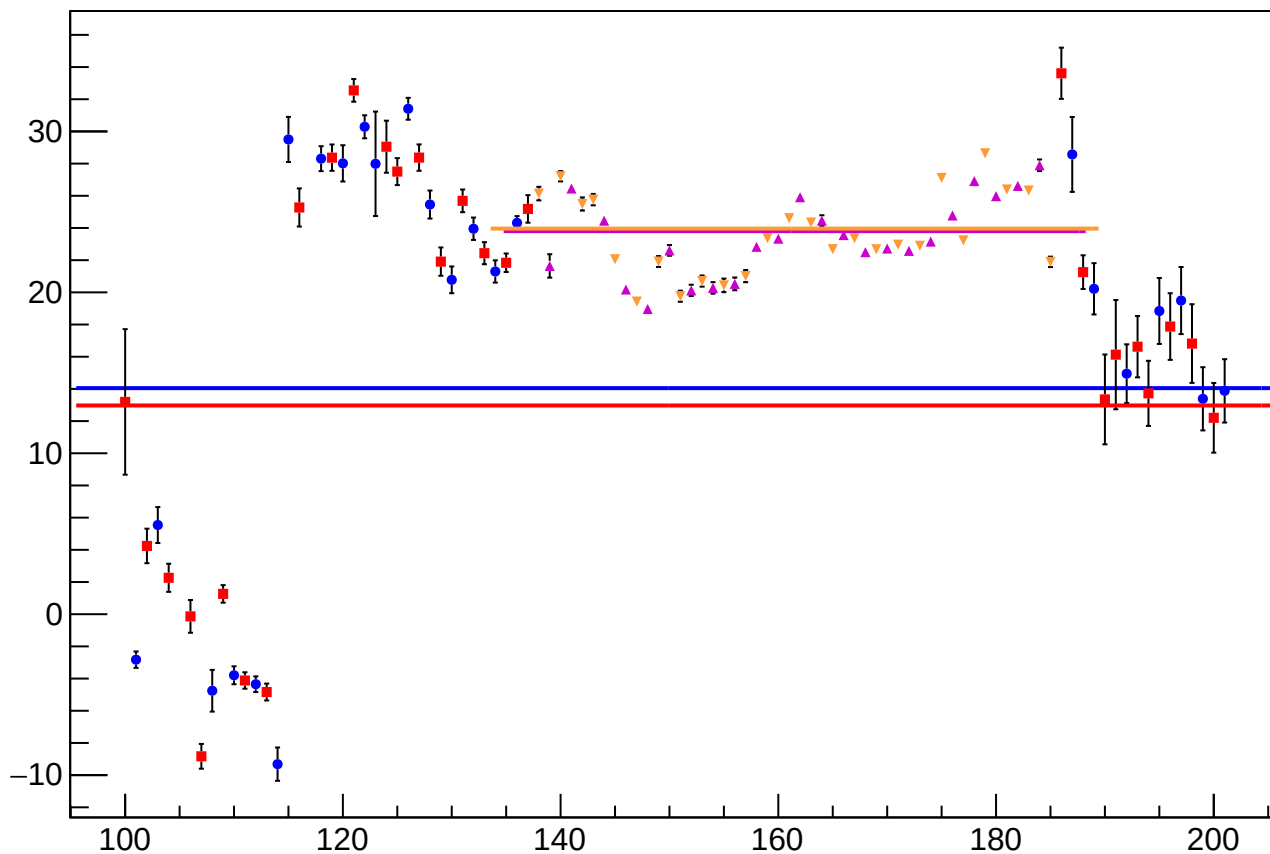
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.617 $\pm$ 0.057 χ^2 /NDF: 9626.5/48

All: 25.598 $\pm$ 0.040 χ^2 /NDF: 19858.6/99

- sign 25.580 $\pm$ 0.057 χ^2 /NDF: 10231.9/50

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.048 $\pm$ 0.168 χ^2 /NDF: 7343.0/23

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.970 $\pm$ 0.167 χ^2 /NDF: 7207.5/27

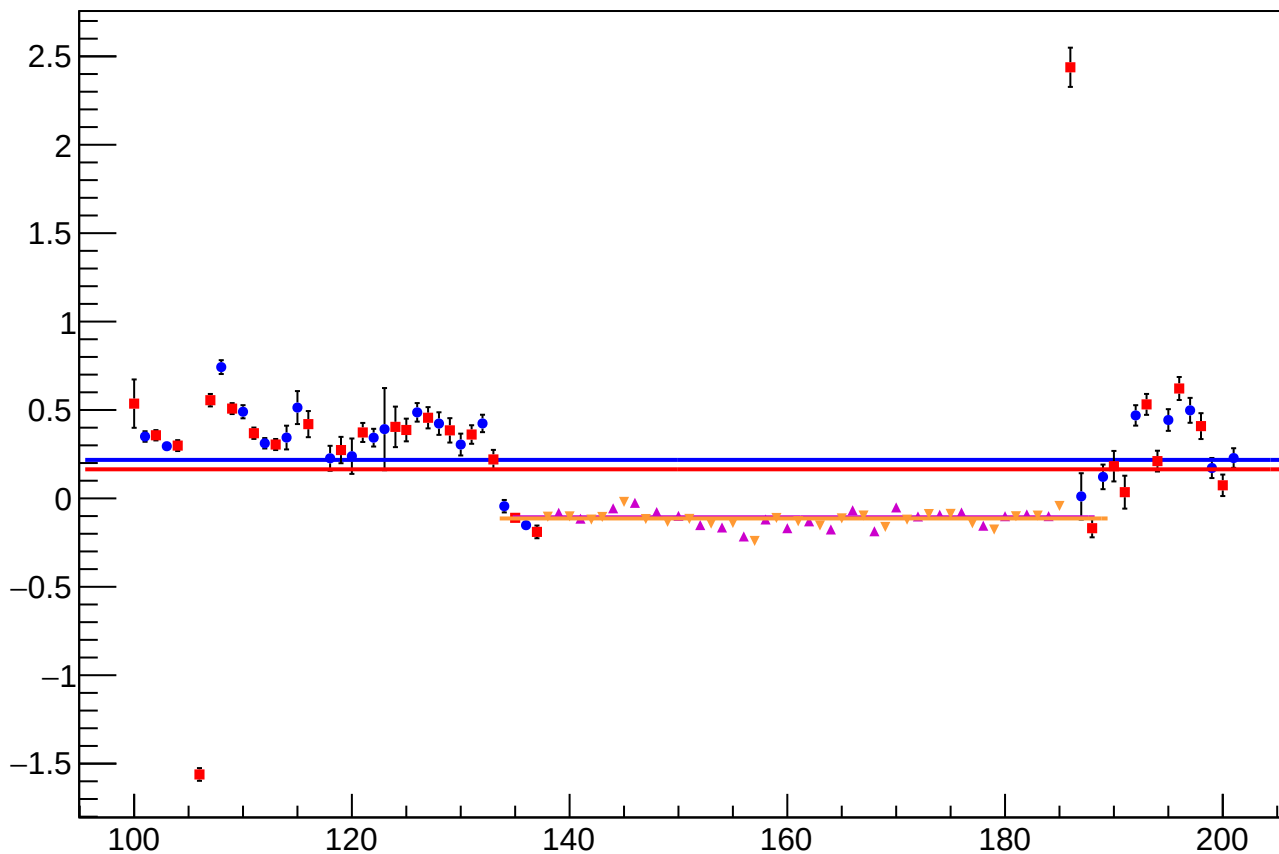
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.064 $\pm$ 0.051 χ^2 /NDF: 12417.6/48

All: 22.925 $\pm$ 0.036 χ^2 /NDF: 25196.0/99

- sign 22.782 $\pm$ 0.051 χ^2 /NDF: 12763.3/50

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.218+/-0.009 χ^2/NDF : 901.8/23

Left Out: -0.113+/-0.002 χ^2/NDF : 291.0/24

Right Out: 0.164+/-0.009 χ^2/NDF : 3586.6/27

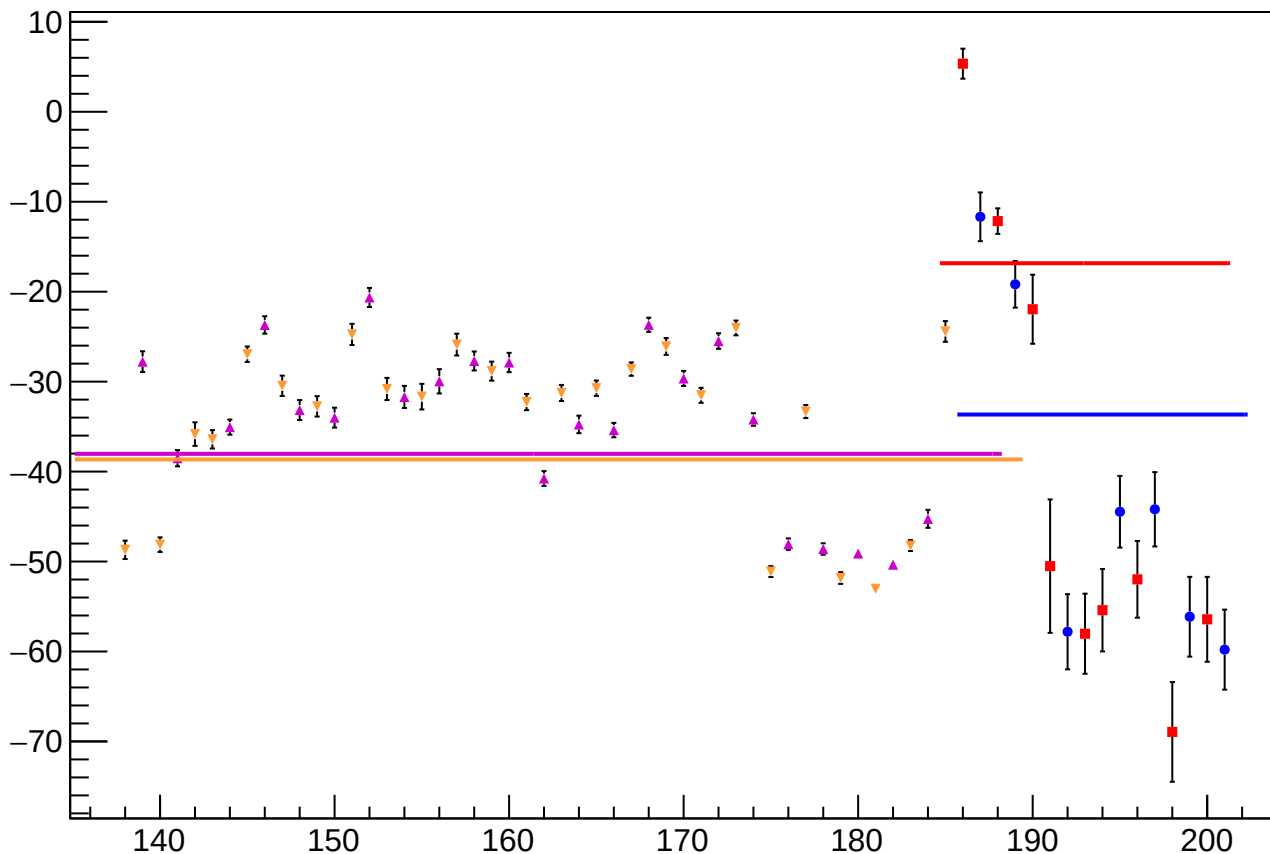
Left In: -0.107+/-0.002 χ^2/NDF : 321.8/22

+ sign -0.090+/-0.002 χ^2/NDF : 2520.0/48

All: -0.088+/-0.002 χ^2/NDF : 7362.6/99

- sign -0.086+/-0.002 χ^2/NDF : 4841.1/50

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -33.659 ± 1.330 χ^2/NDF : 204.4/6

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -16.837 ± 0.924 χ^2/NDF : 593.0/8

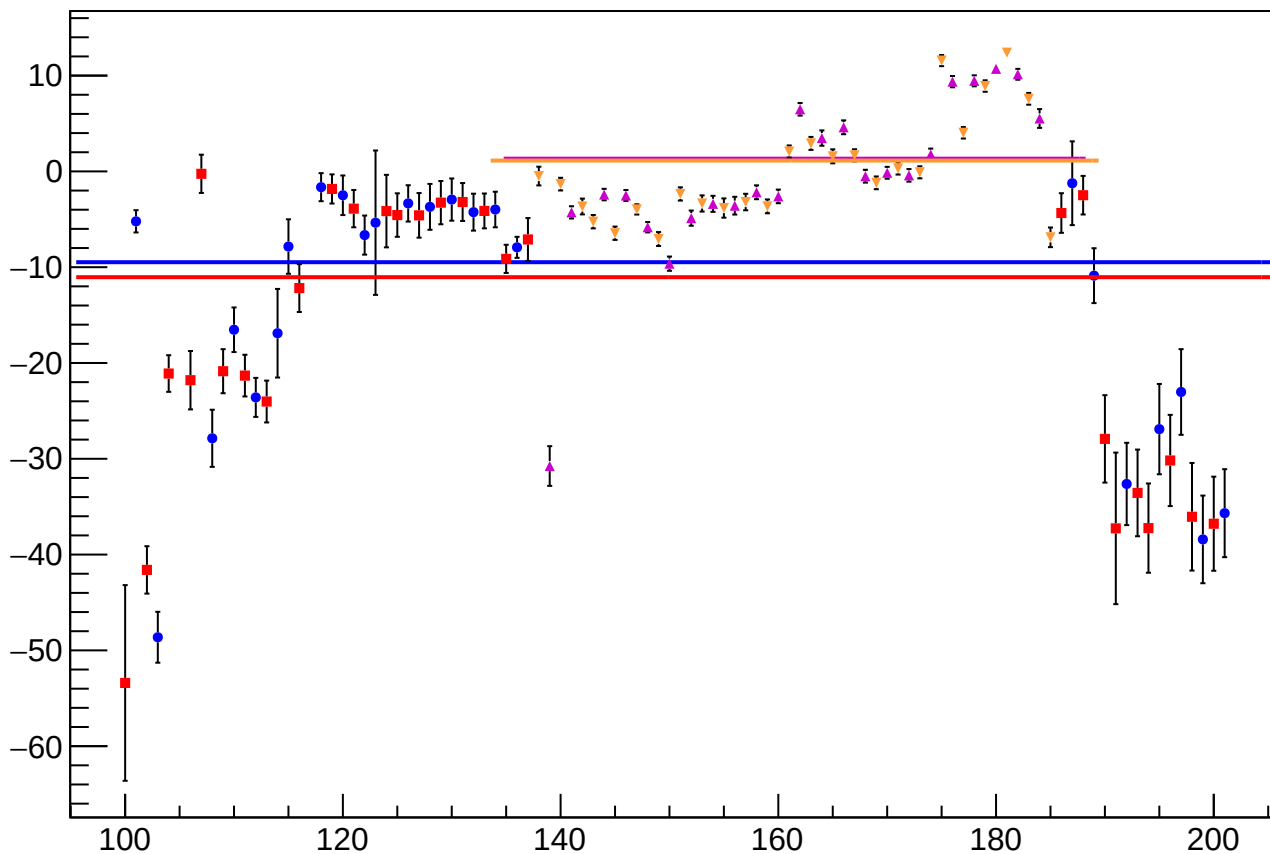
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.570 ± 0.168 χ^2/NDF : 4295.5/31

All: -37.949 ± 0.119 χ^2/NDF : 8516.0/63

- sign -37.308 ± 0.170 χ^2/NDF : 4192.7/31

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -9.479±0.447 χ^2/NDF : 542.3/23

Left Out: 1.130±0.136 χ^2/NDF : 1799.3/24

Right Out: -11.043±0.452 χ^2/NDF : 604.4/27

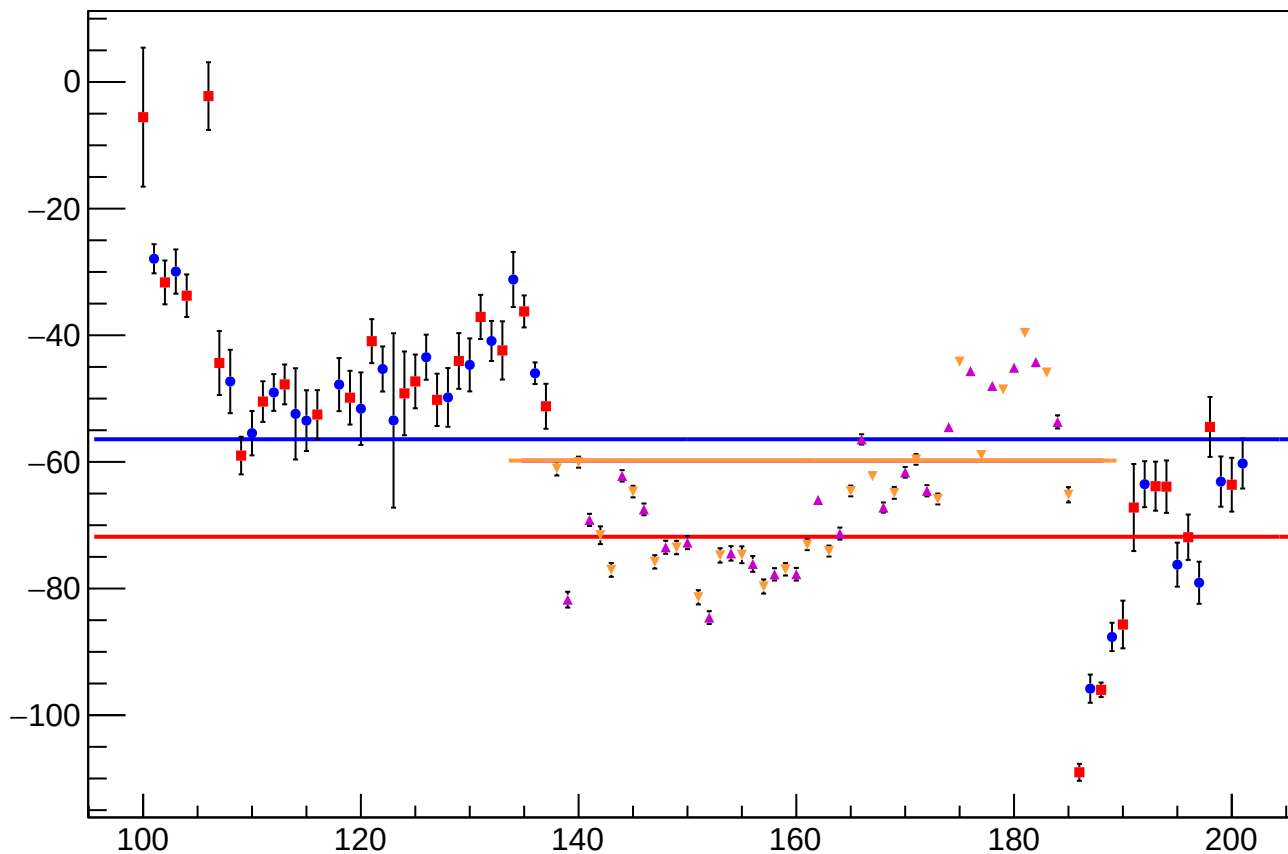
Left In: 1.329±0.140 χ^2/NDF : 2048.0/22

+ sign 0.230±0.130 χ^2/NDF : 2858.0/48

All: 0.239±0.093 χ^2/NDF : 6194.0/99

- sign 0.249±0.134 χ^2/NDF : 3336.1/50

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -56.424 ± 0.674 χ^2/NDF : 947.6/23

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -71.820 ± 0.573 χ^2/NDF : 2492.2/27

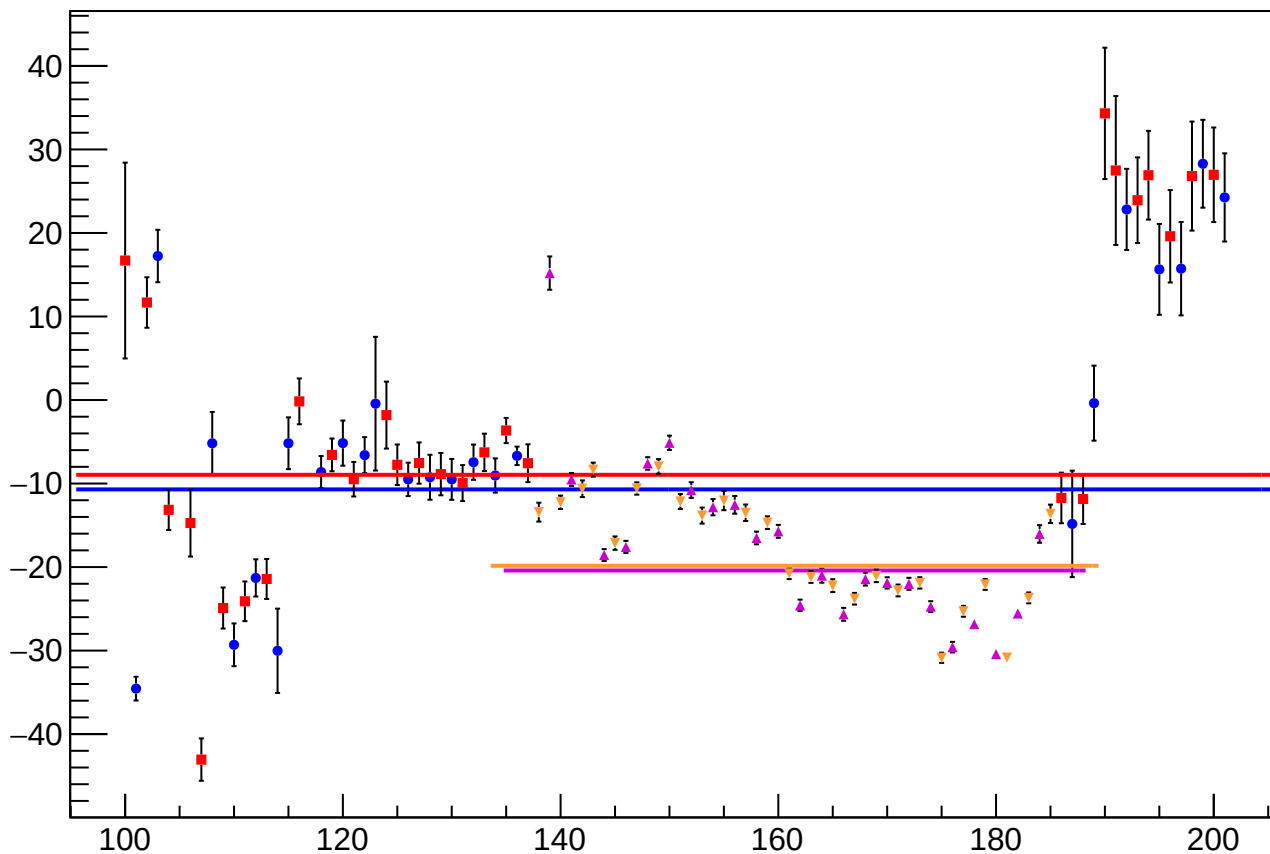
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.587 ± 0.165 χ^2/NDF : 6808.8/48

All: -60.194 ± 0.117 χ^2/NDF : 14948.3/99

- sign -60.808 ± 0.166 χ^2/NDF : 8112.3/50

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -10.703 ± 0.506 χ^2/NDF : 682.1/23

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -8.956 ± 0.523 χ^2/NDF : 609.2/27

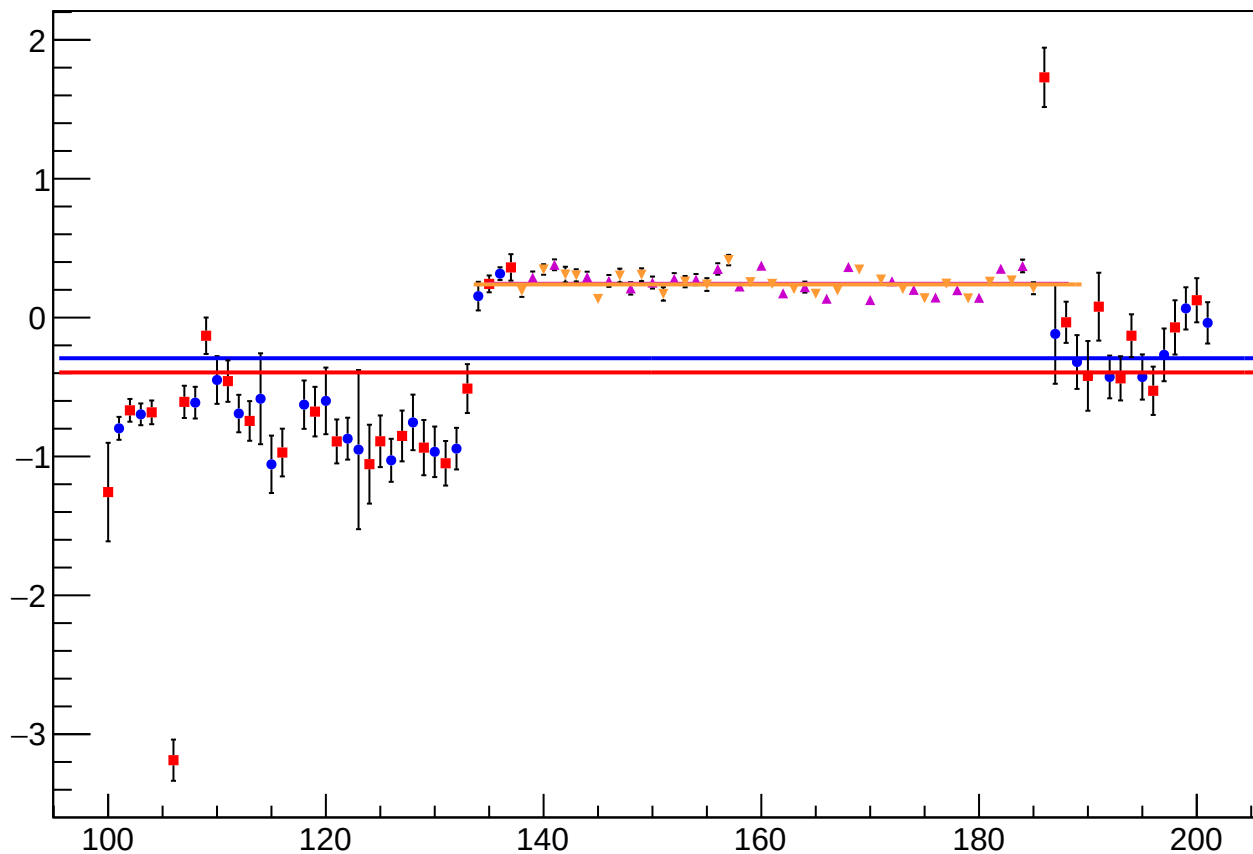
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.085 ± 0.146 χ^2/NDF : 2912.2/48

All: -19.270 ± 0.105 χ^2/NDF : 6267.5/99

- sign -19.466 ± 0.150 χ^2/NDF : 3351.9/50

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.293 ± 0.025 χ^2/NDF : 382.1/23

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.395 ± 0.026 χ^2/NDF : 762.3/27

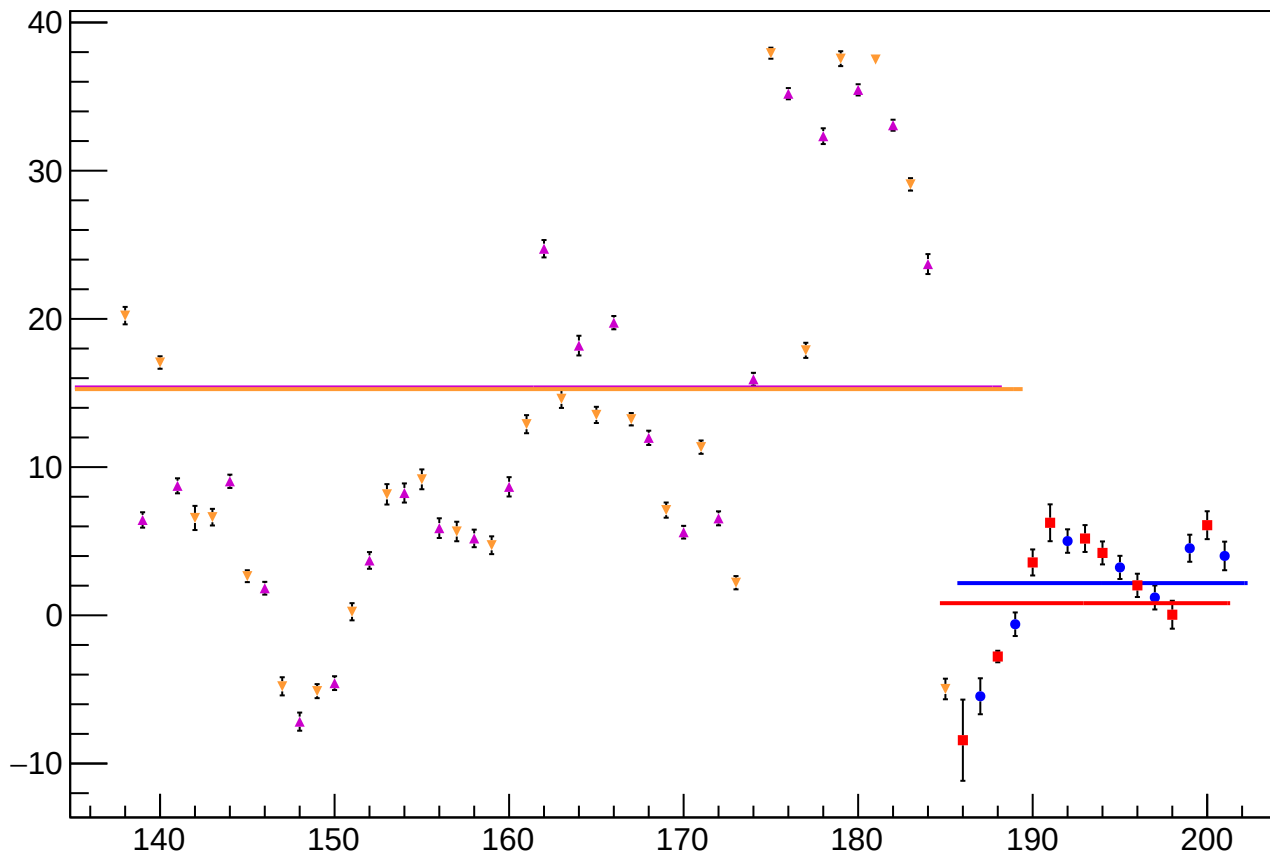
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.201 ± 0.007 χ^2/NDF : 880.5/48

All: 0.199 ± 0.005 χ^2/NDF : 2348.9/99

- sign 0.198 ± 0.007 χ^2/NDF : 1468.3/50

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.173 ± 0.328 χ^2/NDF : 78.1/6

Left Out: 15.263 ± 0.100 χ^2/NDF : 19175.2/24

Right Out: 0.819 ± 0.254 χ^2/NDF : 202.4/8

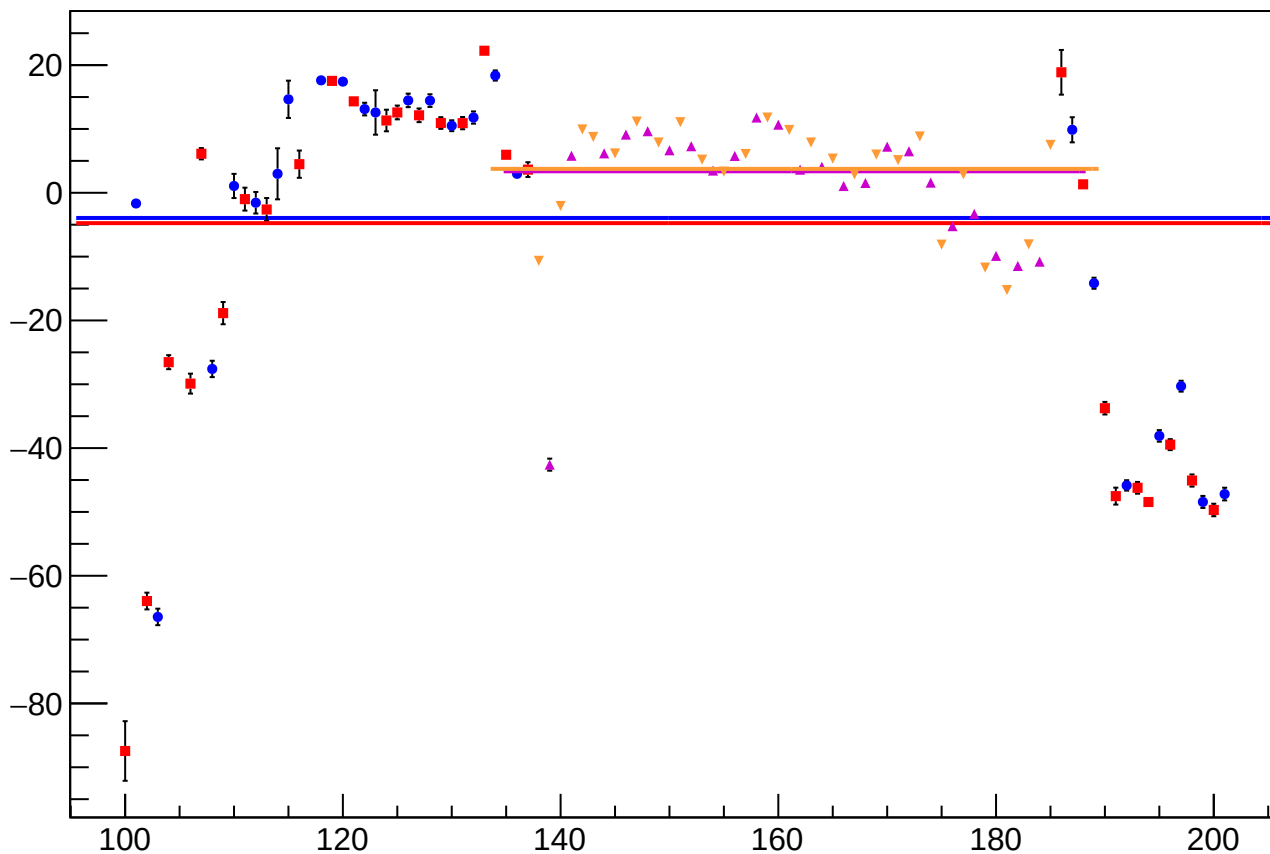
Left In: 15.377 ± 0.103 χ^2/NDF : 16268.9/22

+ sign 14.140 ± 0.096 χ^2/NDF : 20708.2/31

All: 13.735 ± 0.068 χ^2/NDF : 40028.6/63

- sign 13.336 ± 0.095 χ^2/NDF : 19285.1/31

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -3.943 ± 0.186 χ^2/NDF : 17502.3/23

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -4.756 ± 0.174 χ^2/NDF : 23276.0/27

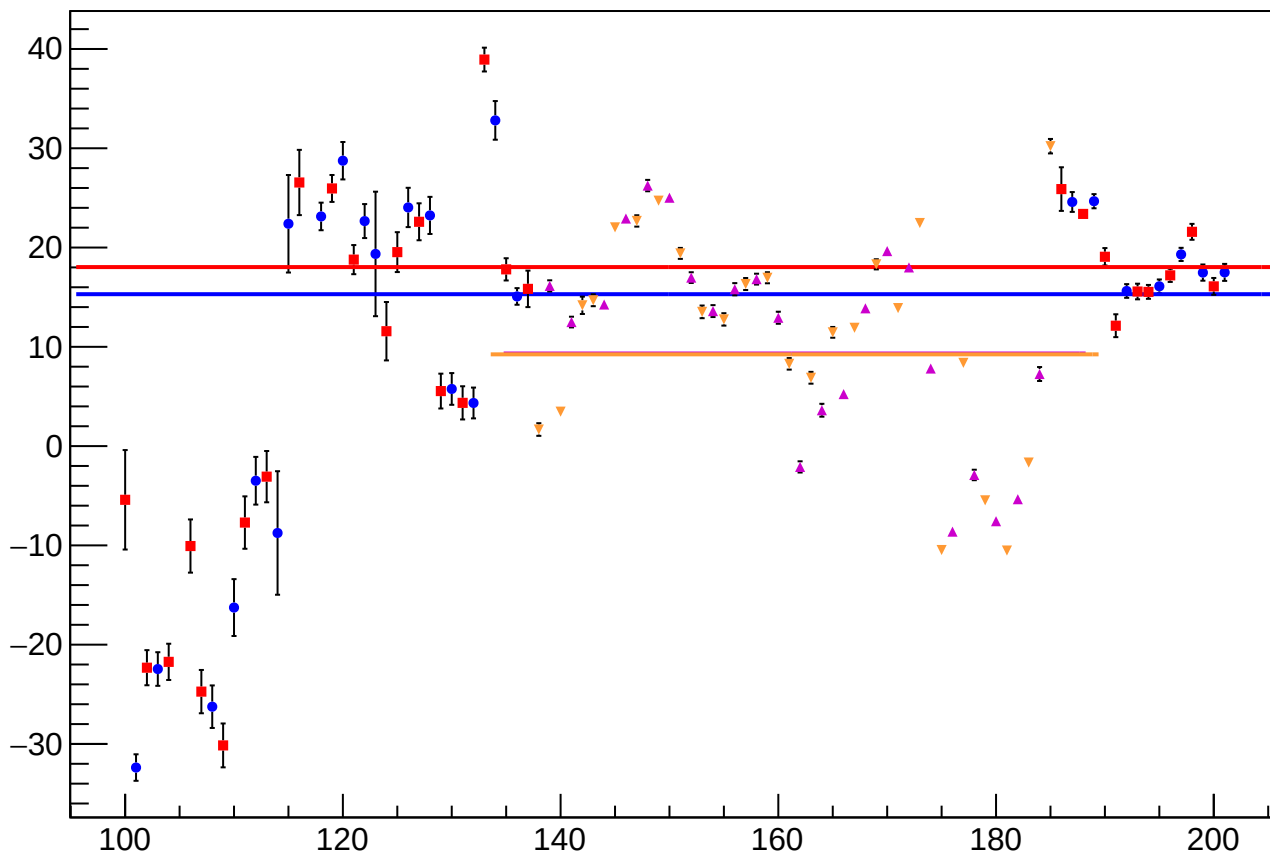
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 2.580 ± 0.073 χ^2/NDF : 28194.9/48

All: 2.252 ± 0.052 χ^2/NDF : 61824.8/99

- sign 1.914 ± 0.074 χ^2/NDF : 33588.4/50

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 15.302+/-0.236 χ^2 /NDF: 2965.1/23

Left Out: 9.242+/-0.101 χ^2 /NDF:13633.2/24

Right Out: 18.032+/-0.193 χ^2 /NDF: 3002.0/27

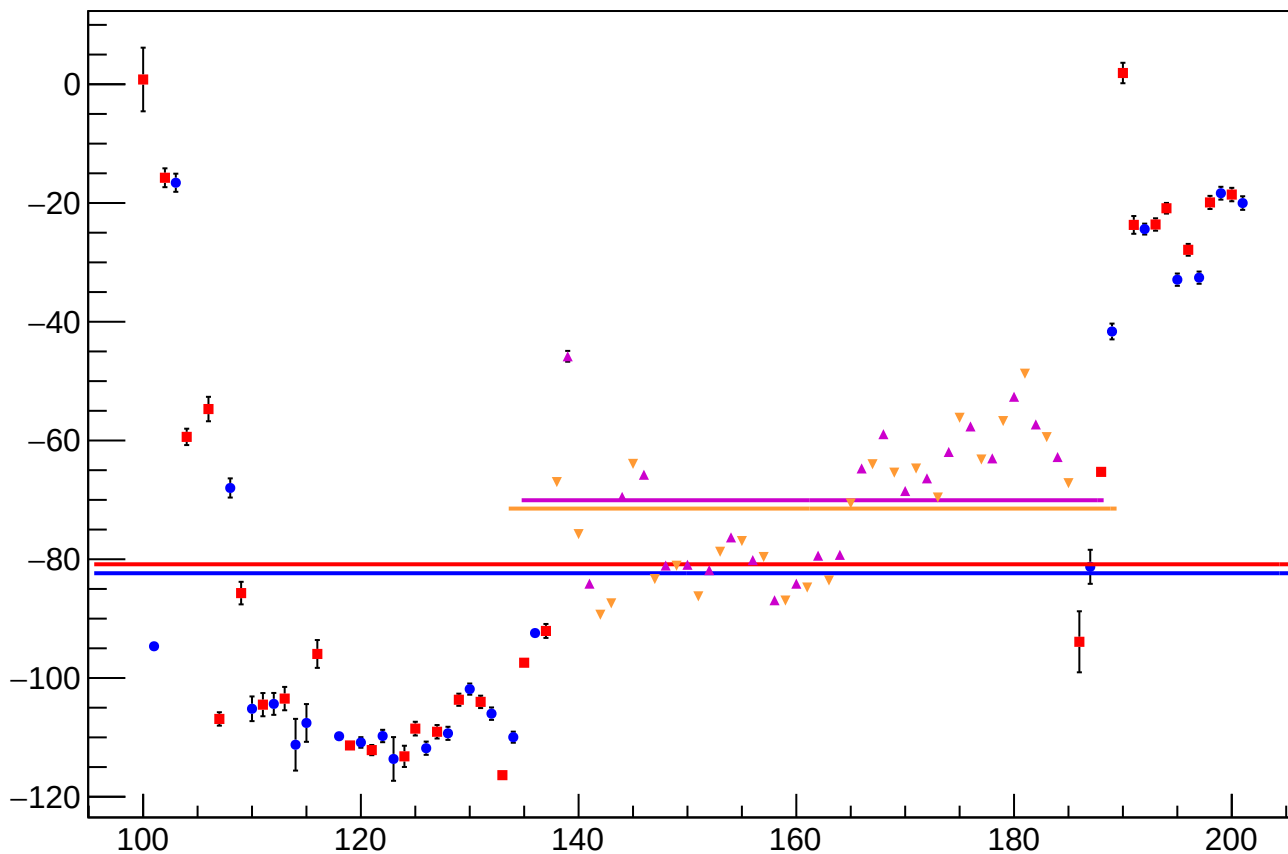
Left In: 9.328+/-0.103 χ^2 /NDF:11968.5/22

+ sign 10.181+/-0.093 χ^2 /NDF: 17157.0/48

All: 10.728+/-0.065 χ^2 /NDF: 33784.8/99

- sign 11.249+/-0.091 χ^2 /NDF: 16559.9/50

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -82.355 ± 0.217 χ^2/NDF : 25639.2/23

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -80.847 ± 0.206 χ^2/NDF : 34248.5/27

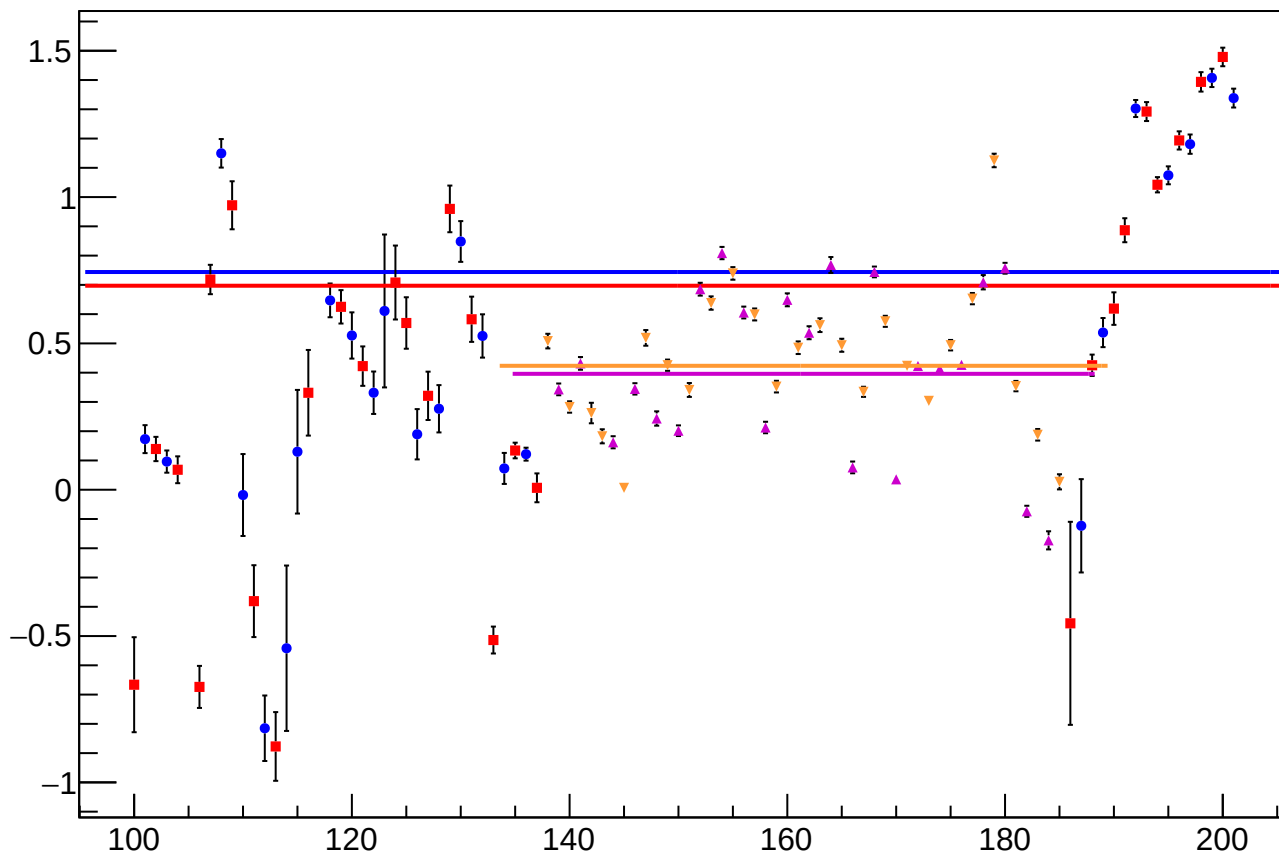
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -73.041 ± 0.083 χ^2/NDF : 44201.9/48

All: -72.450 ± 0.059 χ^2/NDF : 93894.9/99

- sign -71.841 ± 0.084 χ^2/NDF : 49588.8/50

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.744 $\pm$ 0.010 χ^2 /NDF: 3335.0/23

Left Out: 0.424 $\pm$ 0.004 χ^2 /NDF: 2885.0/24

Right Out: 0.697 $\pm$ 0.009 χ^2 /NDF: 4370.6/27

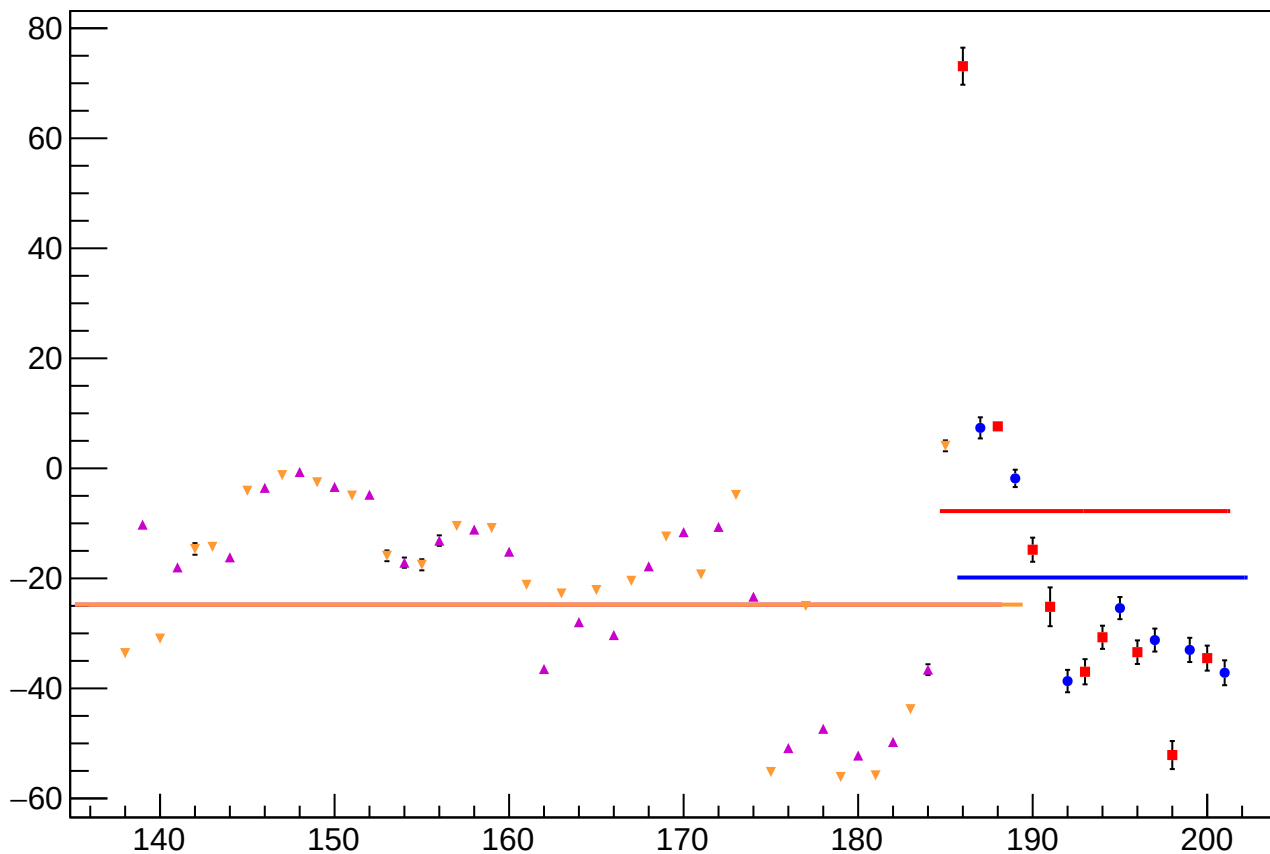
Left In: 0.396 $\pm$ 0.004 χ^2 /NDF: 4051.5/22

+ sign 0.474 $\pm$ 0.004 χ^2 /NDF: 7177.8/48

All: 0.462 $\pm$ 0.003 χ^2 /NDF: 16552.6/99

- sign 0.450 $\pm$ 0.004 χ^2 /NDF: 9354.9/50

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -19.847±0.747 χ^2/NDF : 547.5/6

Left Out: -24.769±0.139 χ^2/NDF :18318.8/24

Right Out: -7.768±0.586 χ^2/NDF : 1845.1/8

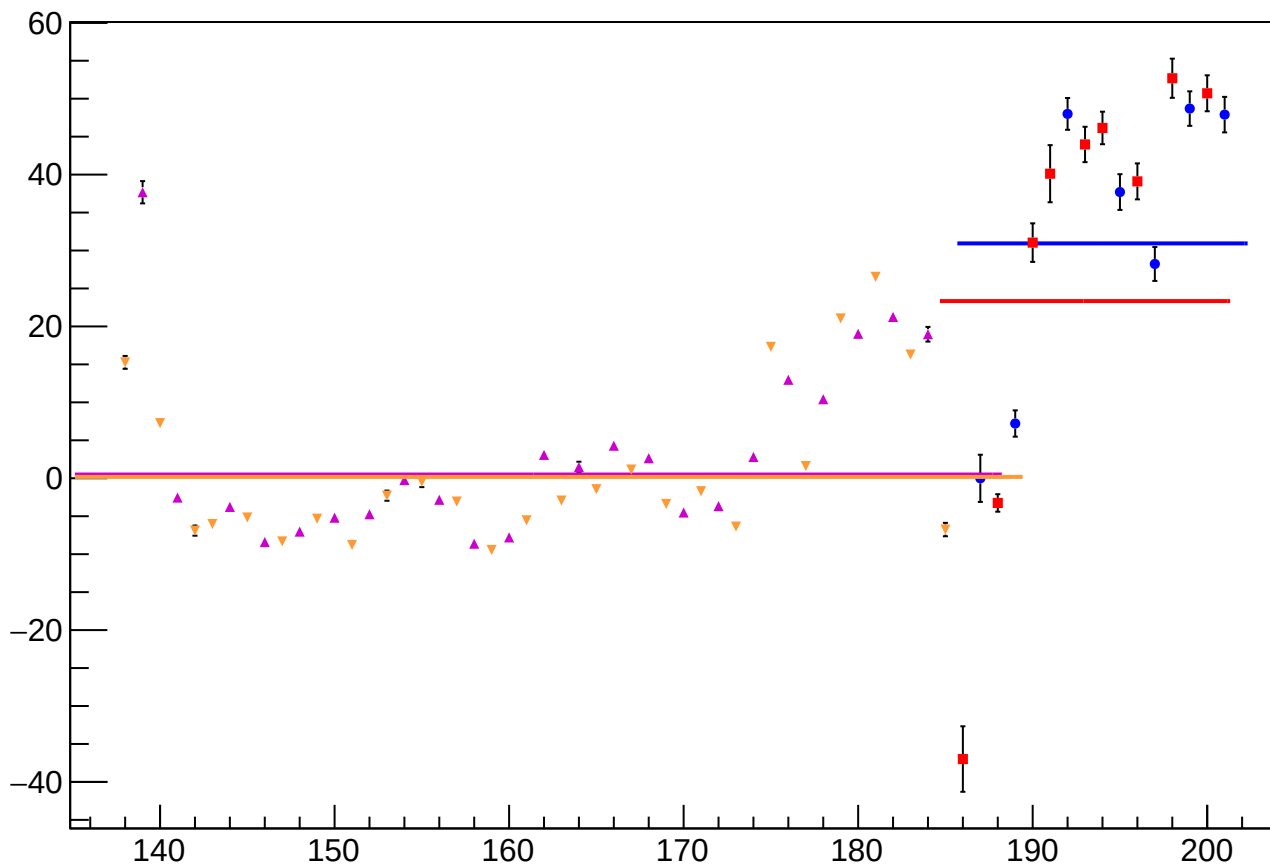
Left In: -24.775±0.143 χ^2/NDF :14807.4/22

+ sign -24.603±0.137 χ^2/NDF : 18908.3/31

All: -24.217±0.097 χ^2/NDF : 36373.0/63

- sign -23.821±0.139 χ^2/NDF : 17448.6/31

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 30.937 $\pm$ 0.839 χ^2/NDF : 476.3/6

Left Out: 0.177 $\pm$ 0.109 χ^2/NDF :8295.6/24

Right Out: 23.339 $\pm$ 0.718 χ^2/NDF : 1256.1/8

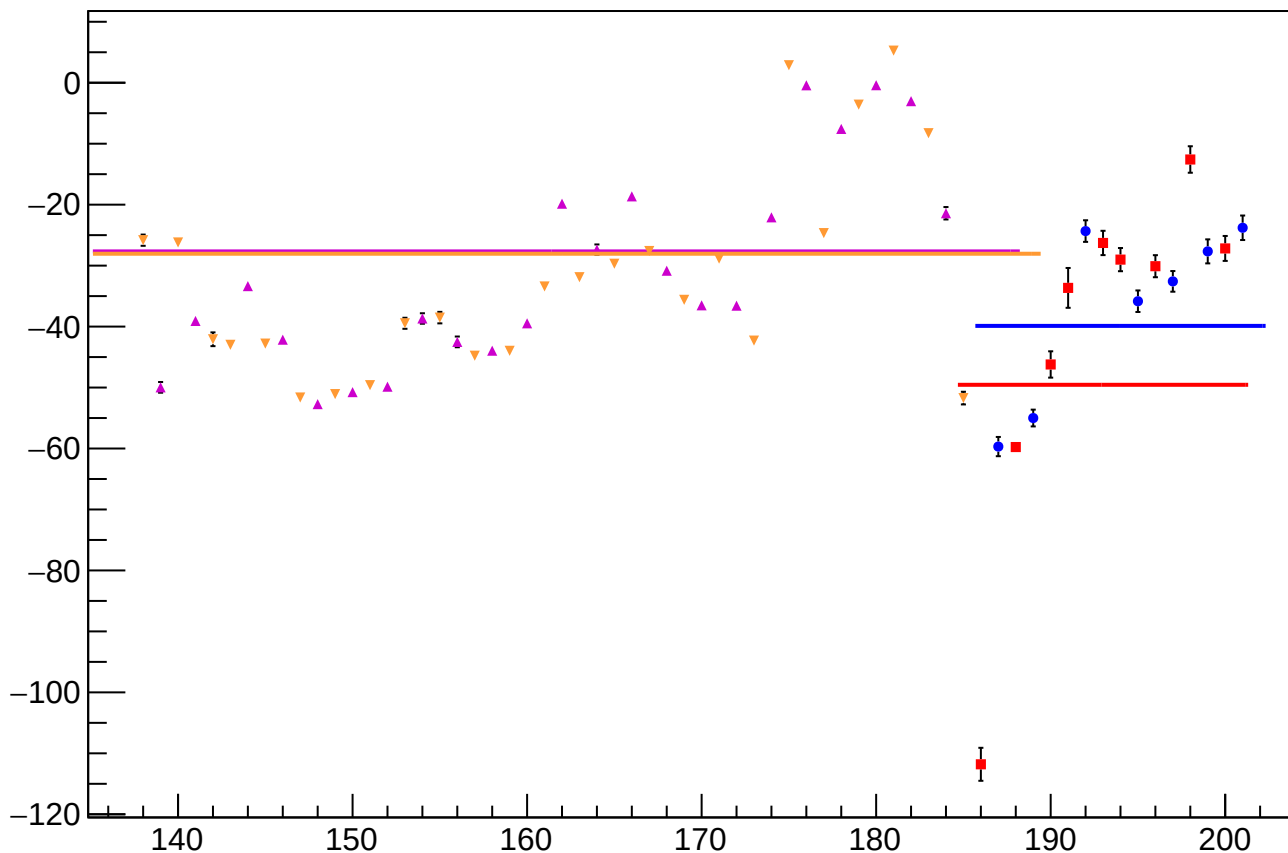
Left In: 0.493 $\pm$ 0.112 χ^2/NDF :6555.4/22

+ sign 0.684 $\pm$ 0.108 χ^2/NDF : 10095.2/31

All: 0.856 $\pm$ 0.077 χ^2/NDF : 18901.1/63

- sign 1.037 $\pm$ 0.111 χ^2/NDF : 8800.6/31

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.885 ± 0.643 χ^2/NDF : 481.4/6

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -49.550 ± 0.493 χ^2/NDF : 1581.6/8

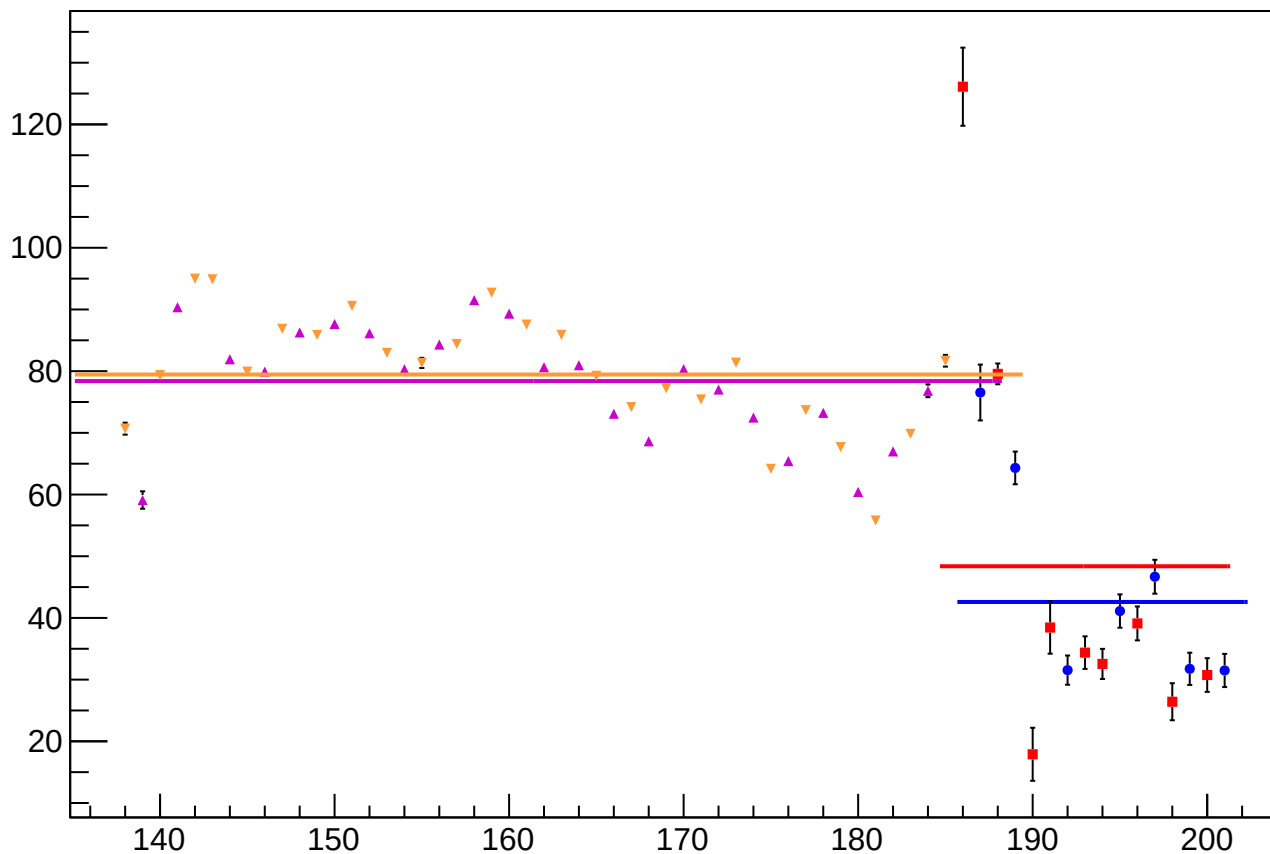
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -28.585 ± 0.137 χ^2/NDF : 17949.7/31

All: -28.968 ± 0.097 χ^2/NDF : 36368.6/63

- sign -29.352 ± 0.137 χ^2/NDF : 18403.2/31

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 42.587 ± 1.041 $\chi^2/\text{NDF}: 182.0/6$

Left Out: 79.456 ± 0.123 $\chi^2/\text{NDF}: 6077.1/24$

Right Out: 48.377 ± 0.922 $\chi^2/\text{NDF}: 725.6/8$

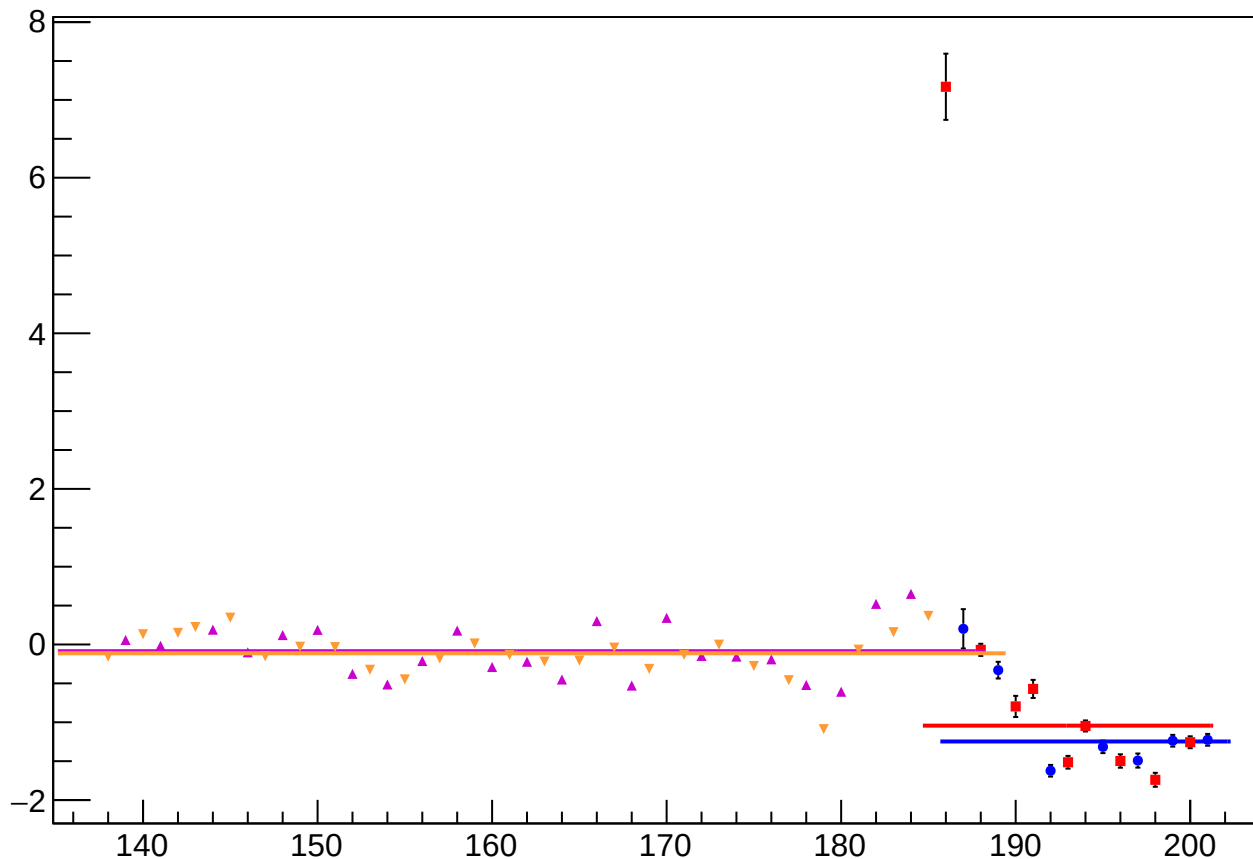
Left In: 78.396 ± 0.127 $\chi^2/\text{NDF}: 4707.3/22$

+ sign 78.946 ± 0.122 $\chi^2/\text{NDF}: 7497.3/31$

All: 78.407 ± 0.088 $\chi^2/\text{NDF}: 14010.2/63$

- sign 77.840 ± 0.126 $\chi^2/\text{NDF}: 6473.0/31$

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -1.247 ± 0.033 χ^2/NDF : 138.9/6

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -1.043 ± 0.030 χ^2/NDF : 677.7/8

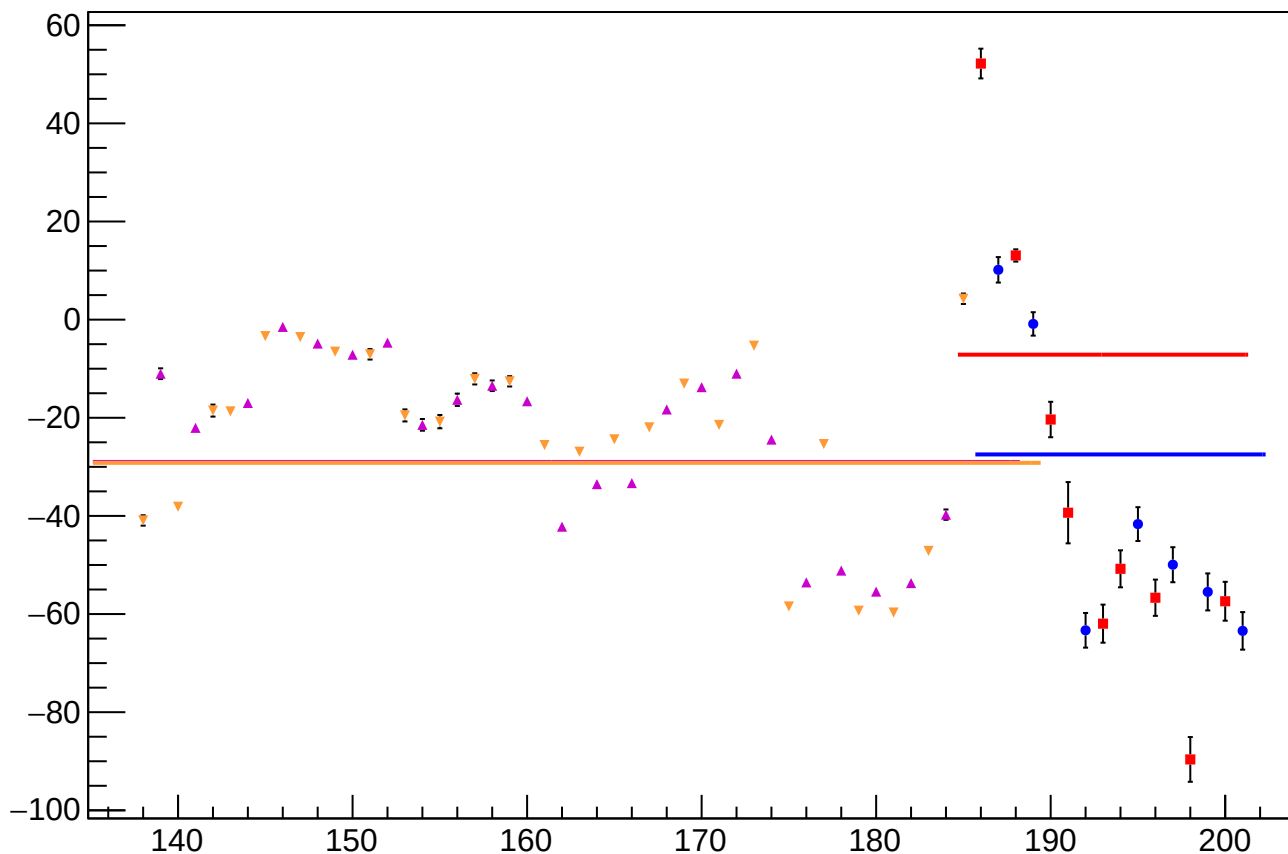
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.145 ± 0.006 χ^2/NDF : 3572.4/31

All: -0.133 ± 0.004 χ^2/NDF : 8343.9/63

- sign -0.120 ± 0.006 χ^2/NDF : 4760.9/31

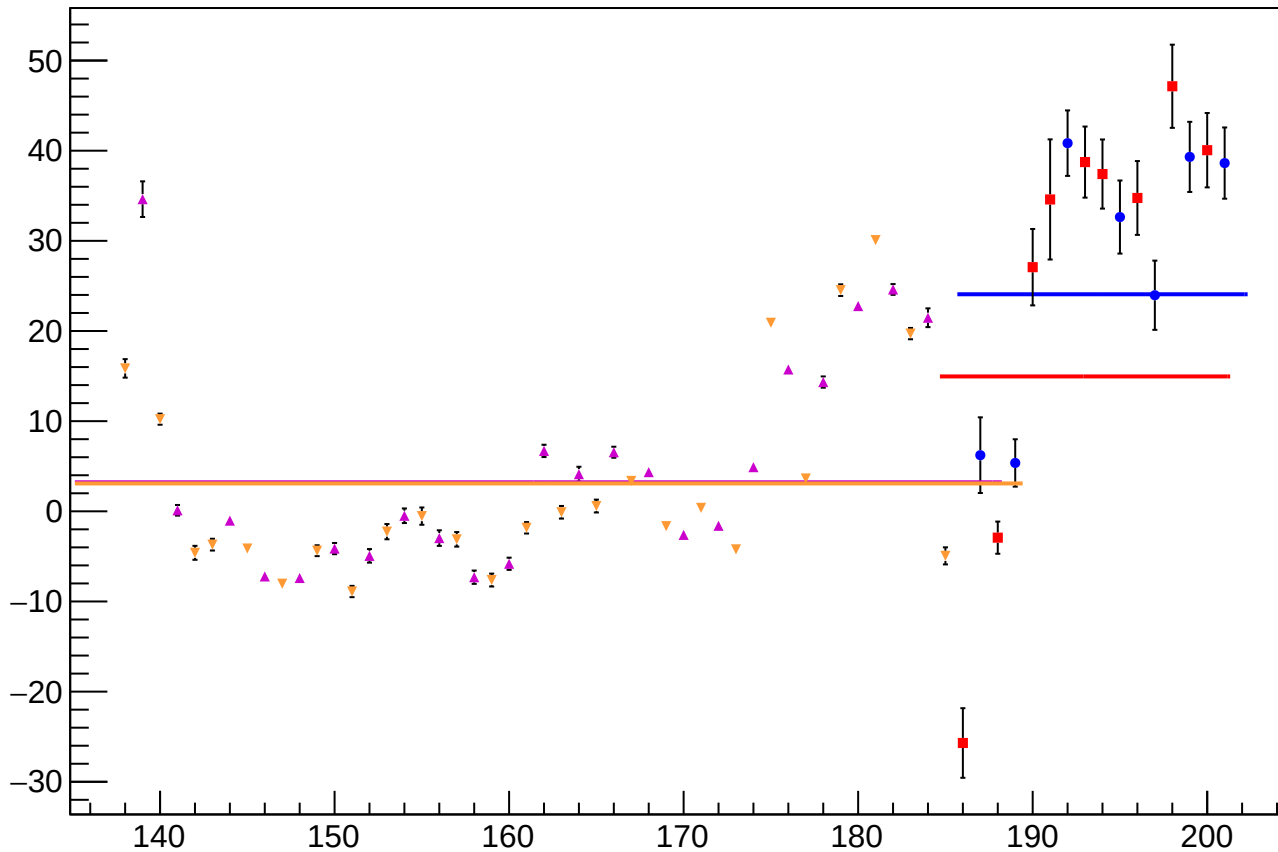
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -27.470 ± 1.191 $\chi^2/\text{NDF}: 637.5/6$
 Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$
 Right Out: -7.138 ± 0.924 $\chi^2/\text{NDF}: 1685.8/8$
 Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -29.151 ± 0.155 $\chi^2/\text{NDF}: 17551.8/31$
 All: -28.765 ± 0.111 $\chi^2/\text{NDF}: 33210.5/63$
 - sign -28.368 ± 0.157 $\chi^2/\text{NDF}: 15646.1/31$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 24.075 ± 1.365 χ^2/NDF : 123.5/6

Left Out: 3.091 ± 0.124 χ^2/NDF : 8084.1/24

Right Out: 14.962 ± 1.149 χ^2/NDF : 407.9/8

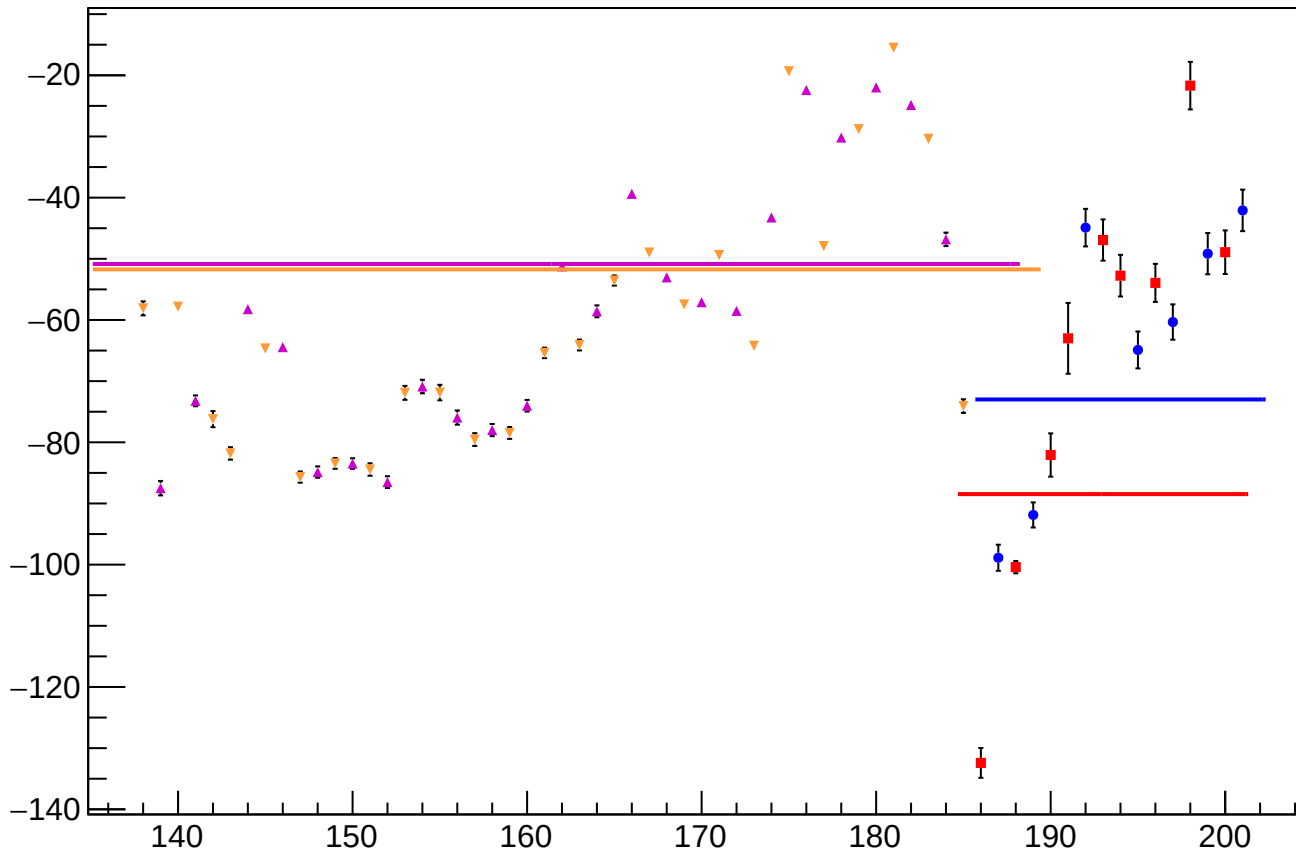
Left In: 3.221 ± 0.127 χ^2/NDF : 6237.6/22

+ sign 3.263 ± 0.124 χ^2/NDF : 8441.8/31

All: 3.312 ± 0.088 χ^2/NDF : 15190.7/63

- sign 3.363 ± 0.126 χ^2/NDF : 6748.6/31

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -72.995 ± 1.017 $\chi^2/\text{NDF}: 474.6/6$

Left Out: -51.729 ± 0.158 $\chi^2/\text{NDF}: 19538.0/24$

Right Out: -88.467 ± 0.772 $\chi^2/\text{NDF}: 1291.1/8$

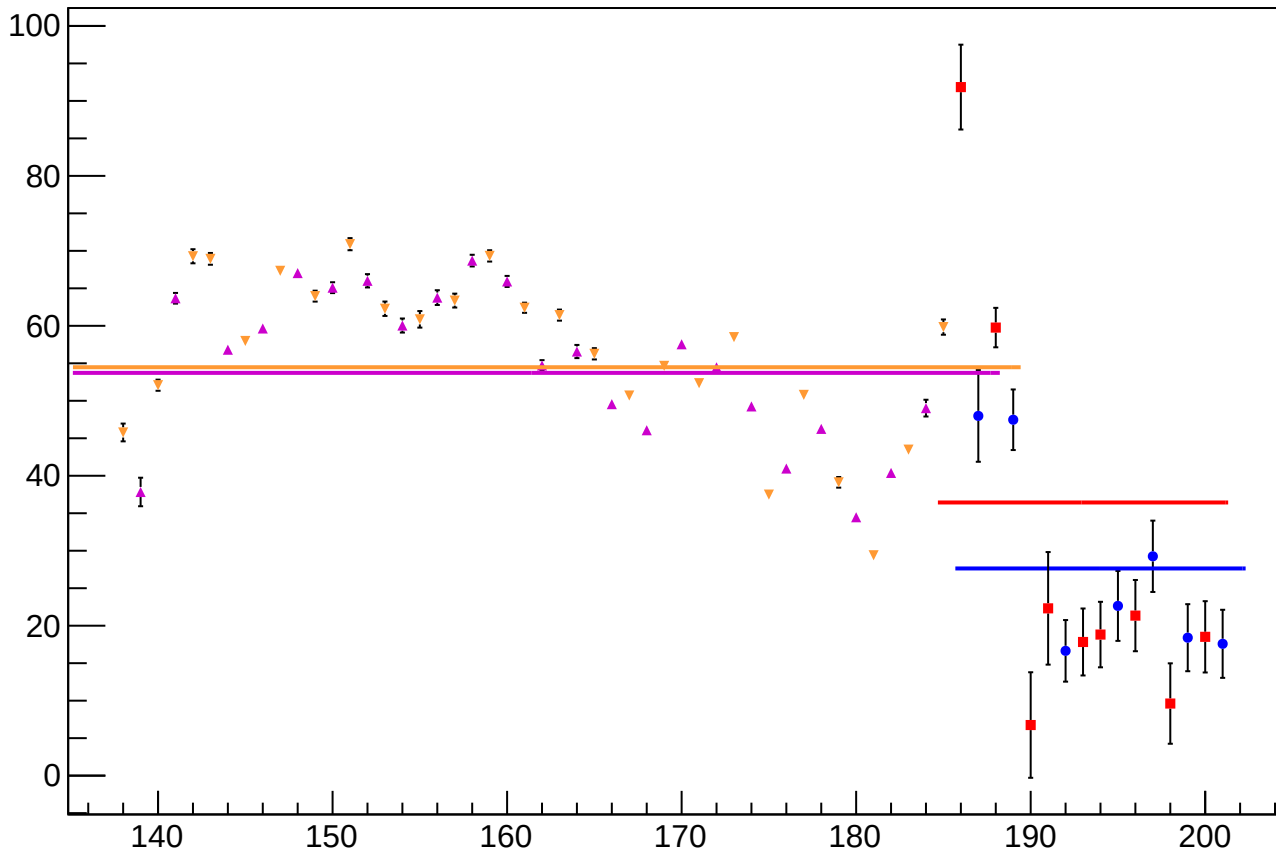
Left In: -50.844 ± 0.160 $\chi^2/\text{NDF}: 17272.0/22$

+ sign -52.230 ± 0.156 $\chi^2/\text{NDF}: 20439.7/31$

All: -52.313 ± 0.111 $\chi^2/\text{NDF}: 41282.5/63$

- sign -52.397 ± 0.157 $\chi^2/\text{NDF}: 20842.2/31$

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 27.635 $\pm$ 1.725 χ^2 /NDF: 52.7/6

Left Out: 54.476 $\pm$ 0.140 χ^2 /NDF: 6266.9/24

Right Out: 36.436 $\pm$ 1.509 χ^2 /NDF: 278.7/8

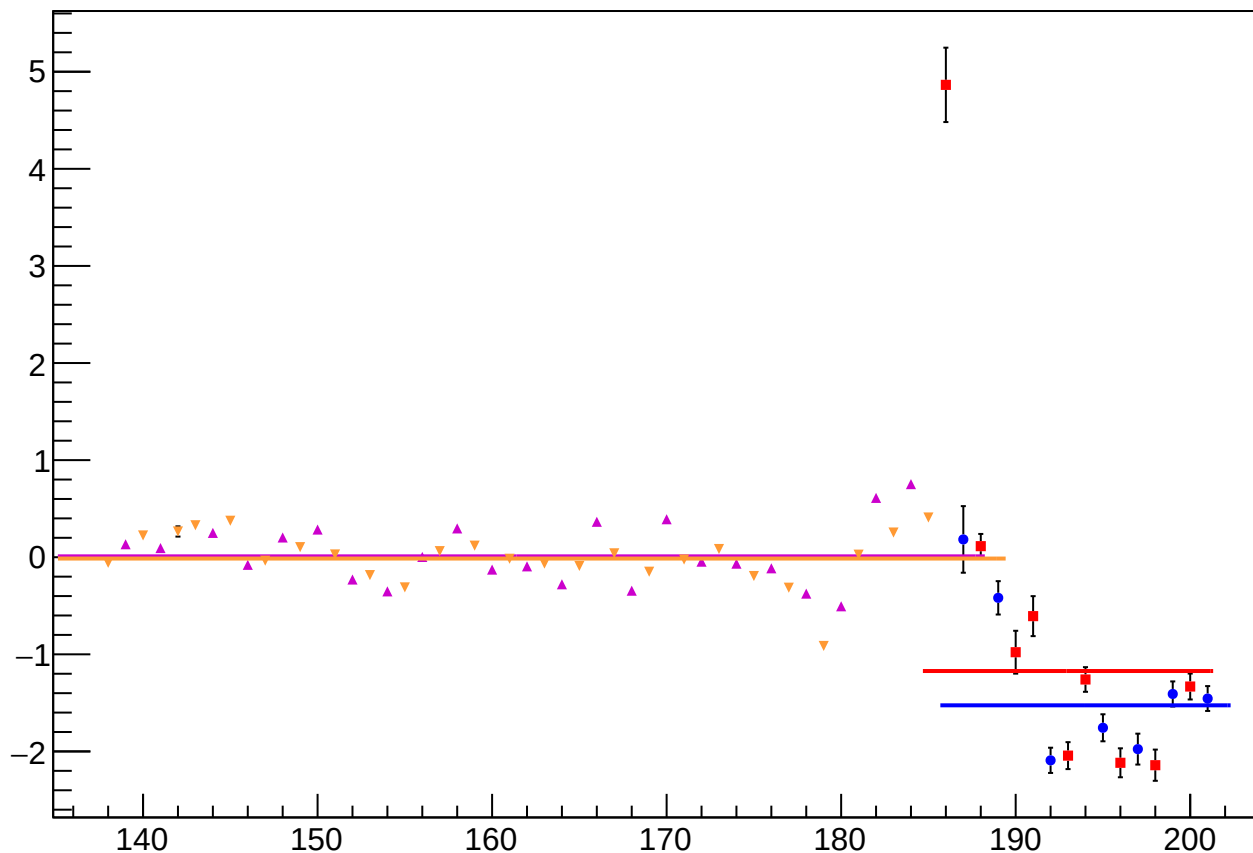
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 54.300 $\pm$ 0.140 χ^2 /NDF: 6560.1/31

All: 53.942 $\pm$ 0.100 χ^2 /NDF: 11568.0/63

- sign 53.569 $\pm$ 0.142 χ^2 /NDF: 4994.5/31

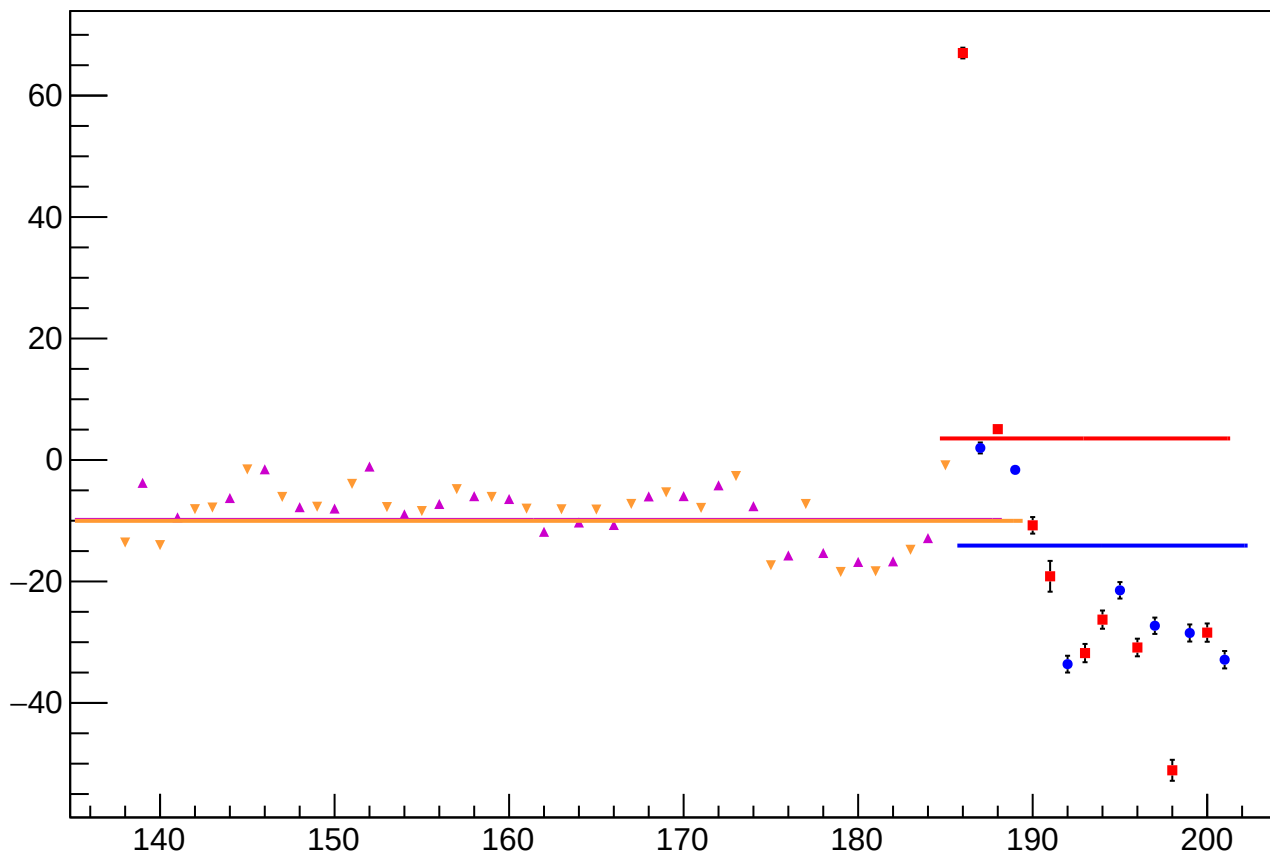
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.525 ± 0.056 χ^2/NDF : 97.2/6
 Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24
 Right Out: -1.172 ± 0.052 χ^2/NDF : 479.2/8
 Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.033 ± 0.006 χ^2/NDF : 2459.3/31
 All: -0.021 ± 0.005 χ^2/NDF : 5671.2/63
 - sign -0.009 ± 0.007 χ^2/NDF : 3205.1/31

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -14.092 +/- 0.434 χ^2/NDF : 1145.8/6

Left Out: -10.017 +/- 0.051 χ^2/NDF : 12552.8/24

Right Out: 3.547 +/- 0.331 χ^2/NDF : 8302.9/8

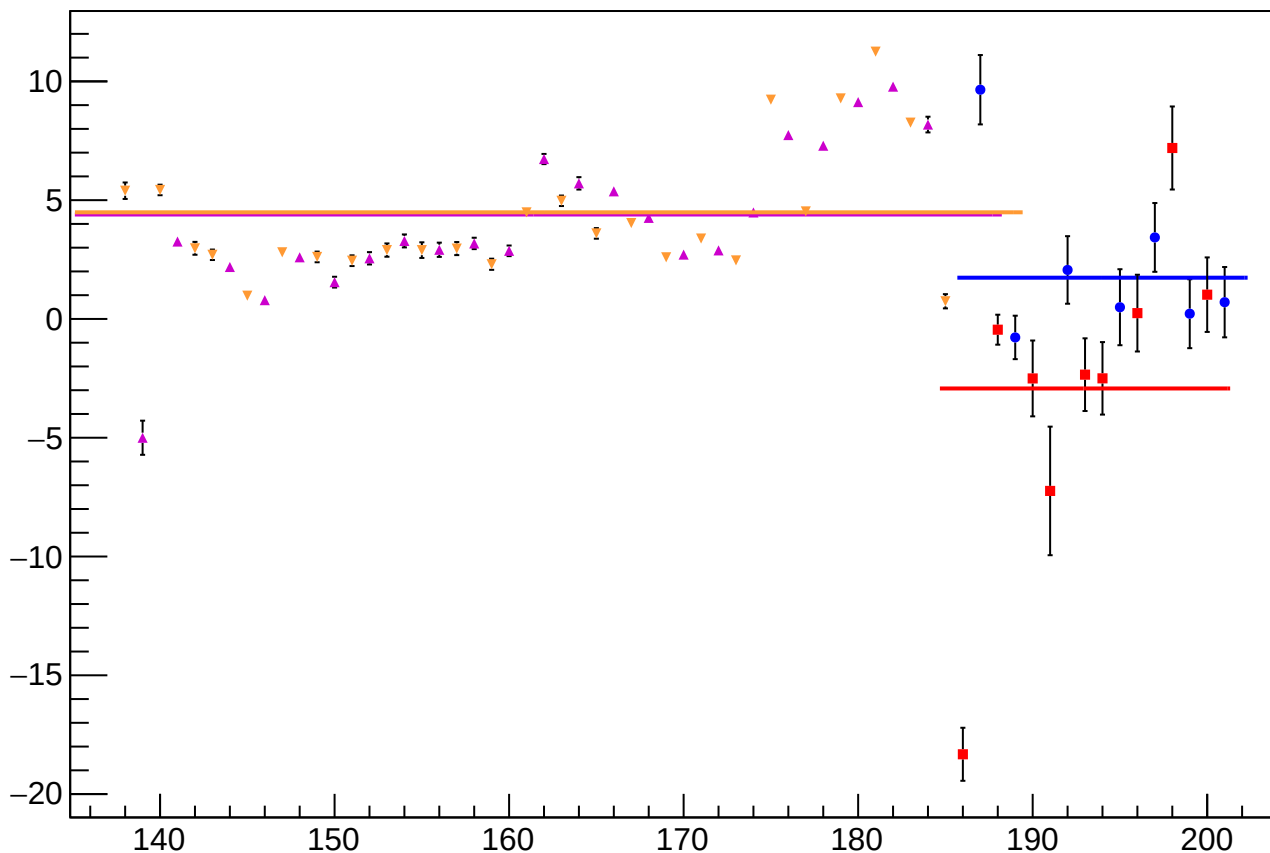
Left In: -9.865 +/- 0.051 χ^2/NDF : 9345.4/22

+ sign -10.071 +/- 0.050 χ^2/NDF : 13785.4/31

All: -9.813 +/- 0.036 χ^2/NDF : 33092.7/63

- sign -9.549 +/- 0.051 χ^2/NDF : 19254.0/31

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.736 $\pm$ 0.503 χ^2/NDF : 40.5/6

Left Out: 4.489 $\pm$ 0.041 χ^2/NDF : 4832.3/24

Right Out: -2.927 $\pm$ 0.415 χ^2/NDF : 252.3/8

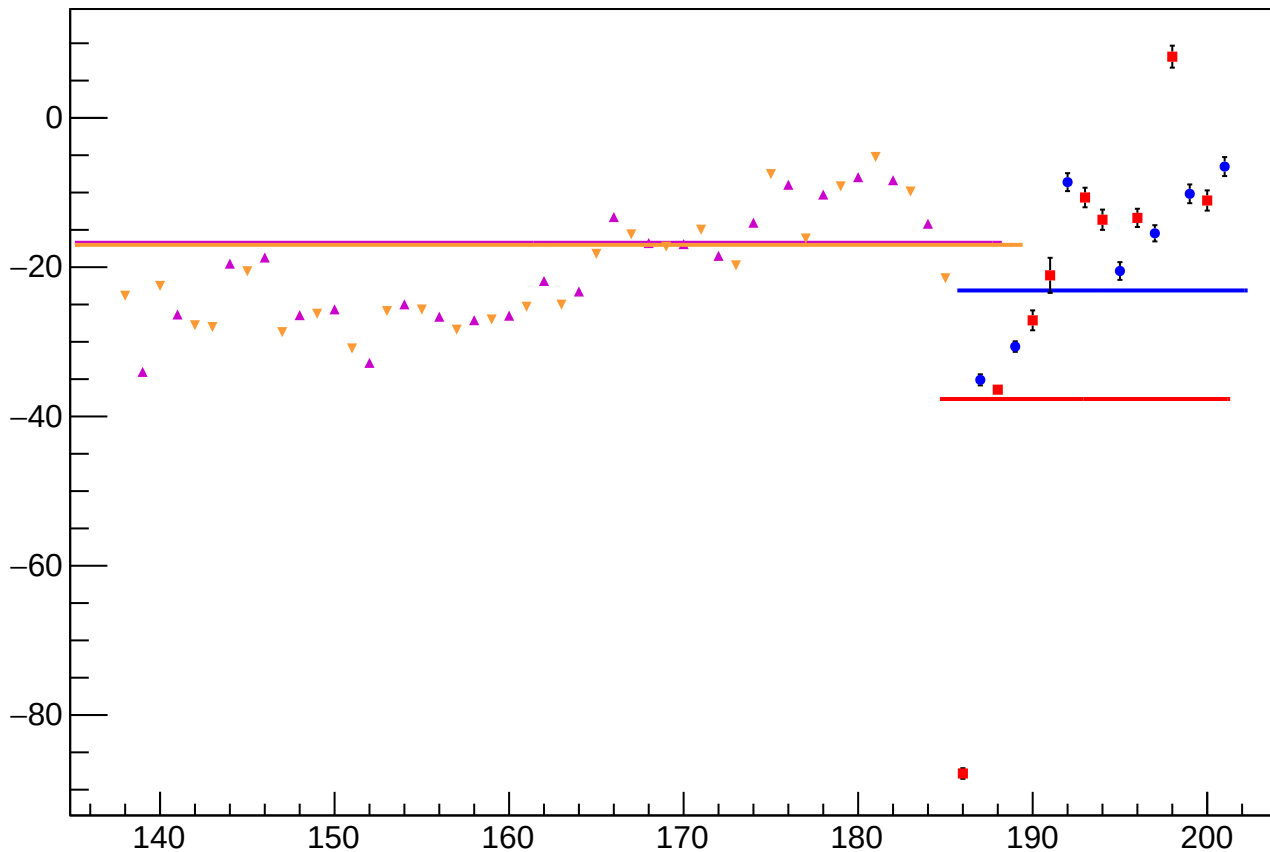
Left In: 4.396 $\pm$ 0.041 χ^2/NDF : 4230.4/22

+ sign 4.471 $\pm$ 0.041 χ^2/NDF : 4902.6/31

All: 4.398 $\pm$ 0.029 χ^2/NDF : 9700.7/63

- sign 4.324 $\pm$ 0.041 χ^2/NDF : 4791.6/31

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -23.120 ± 0.369 $\chi^2/\text{NDF}: 850.8/6$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -37.659 ± 0.275 $\chi^2/\text{NDF}: 7593.3/8$

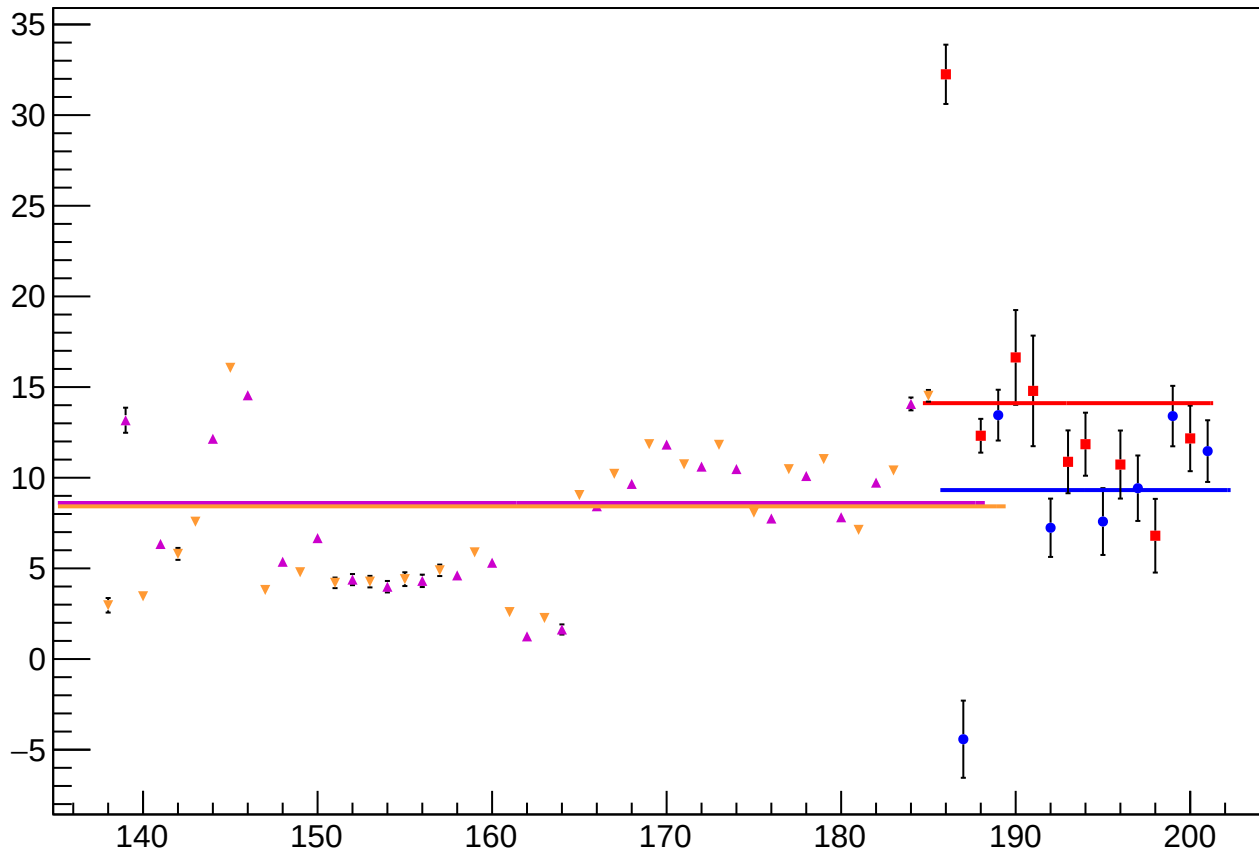
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.123 ± 0.051 $\chi^2/\text{NDF}: 23214.0/31$

All: -17.283 ± 0.036 $\chi^2/\text{NDF}: 55214.9/63$

- sign -17.444 ± 0.051 $\chi^2/\text{NDF}: 31980.8/31$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 9.319 ± 0.642 χ^2/NDF : 60.5/6

Left Out: 8.422 ± 0.046 χ^2/NDF : 6470.1/24

Right Out: 14.113 ± 0.552 χ^2/NDF : 150.3/8

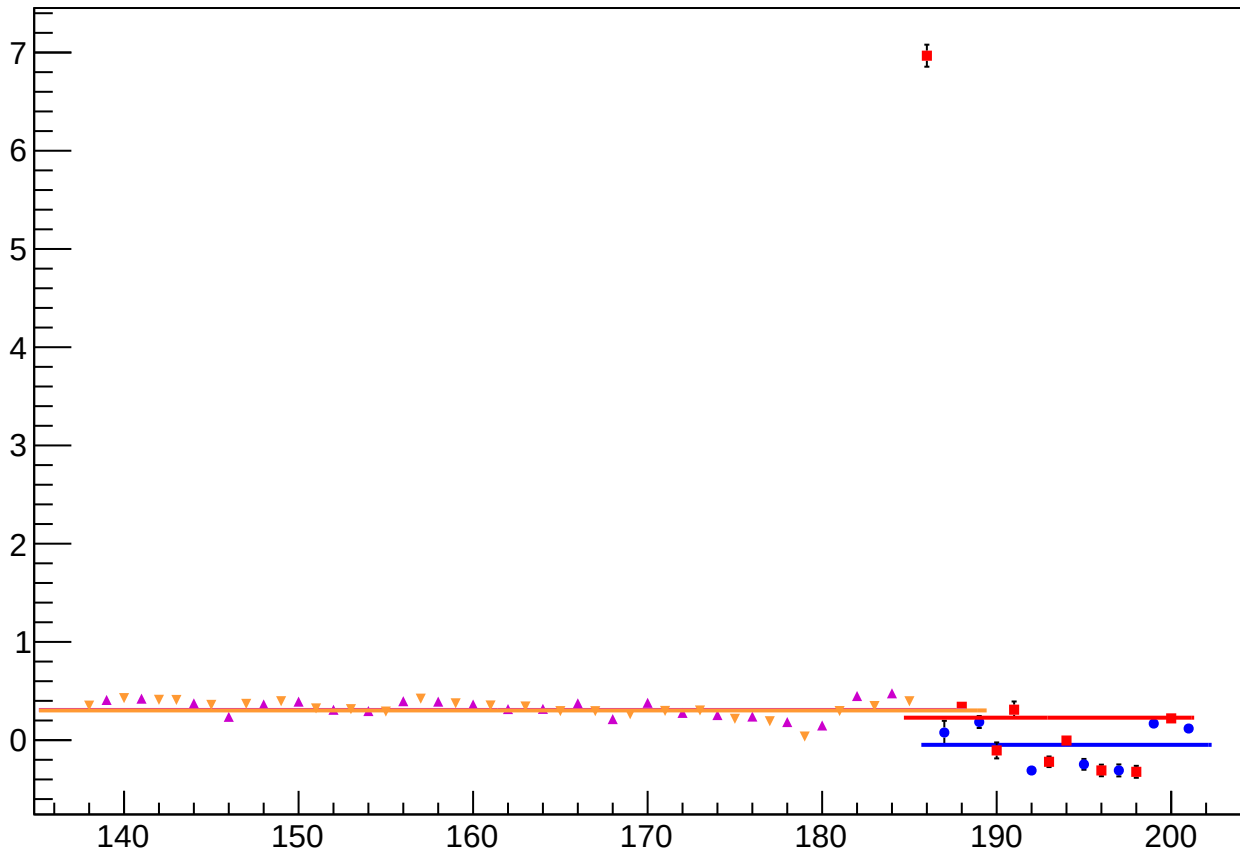
Left In: 8.606 ± 0.046 χ^2/NDF : 5504.2/22

+ sign 8.426 ± 0.045 χ^2/NDF : 6532.6/31

All: 8.534 ± 0.032 χ^2/NDF : 12297.1/63

- sign 8.645 ± 0.046 χ^2/NDF : 5753.2/31

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: -0.048 ± 0.021 χ^2/NDF : 105.3/6

Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.229 ± 0.020 χ^2/NDF : 3887.7/8

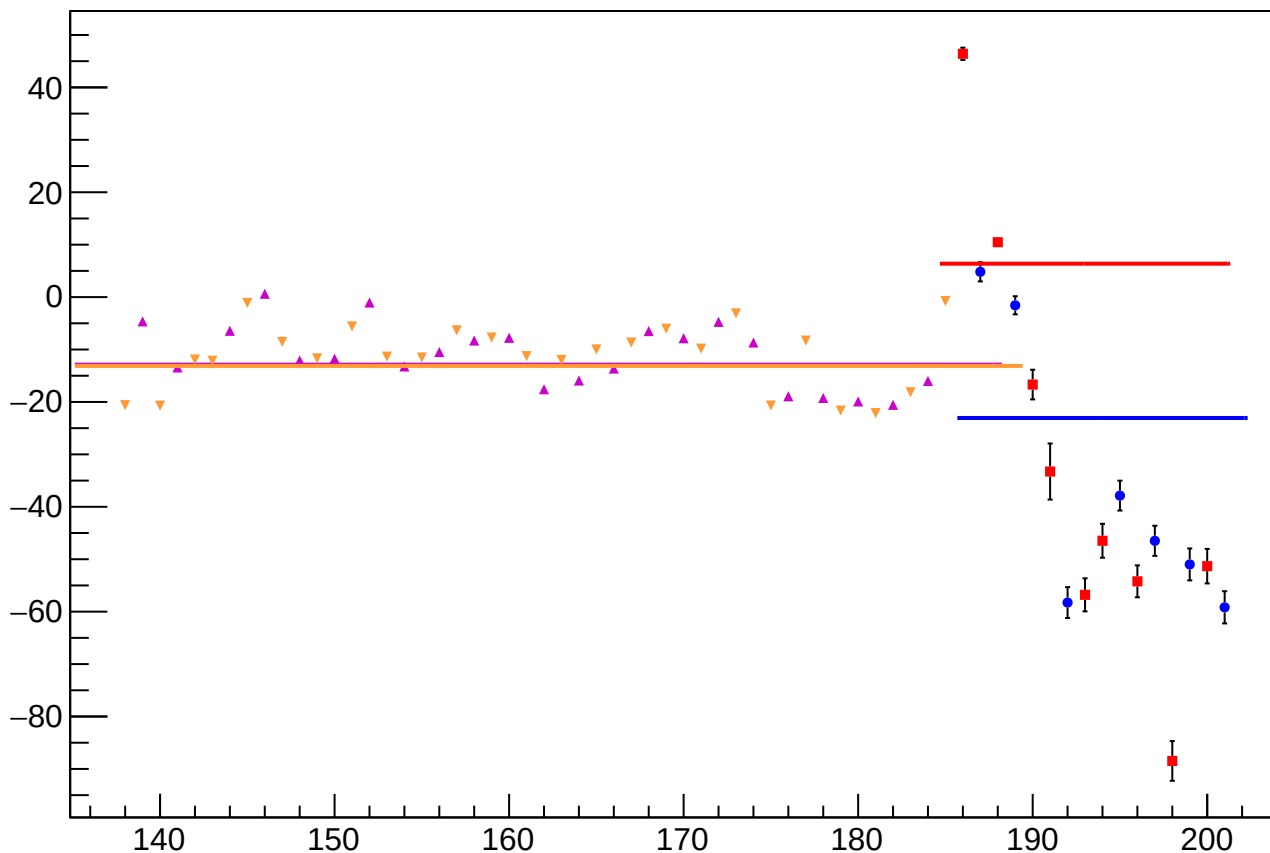
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.299 ± 0.002 χ^2/NDF : 1962.1/31

All: 0.303 ± 0.001 χ^2/NDF : 7570.7/63

- sign 0.306 ± 0.002 χ^2/NDF : 5602.8/31

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -23.056 ± 0.910 χ^2/NDF : 845.9/6

Left Out: -13.125 ± 0.094 χ^2/NDF : 5977.6/24

Right Out: 6.375 ± 0.631 χ^2/NDF : 3316.5/8

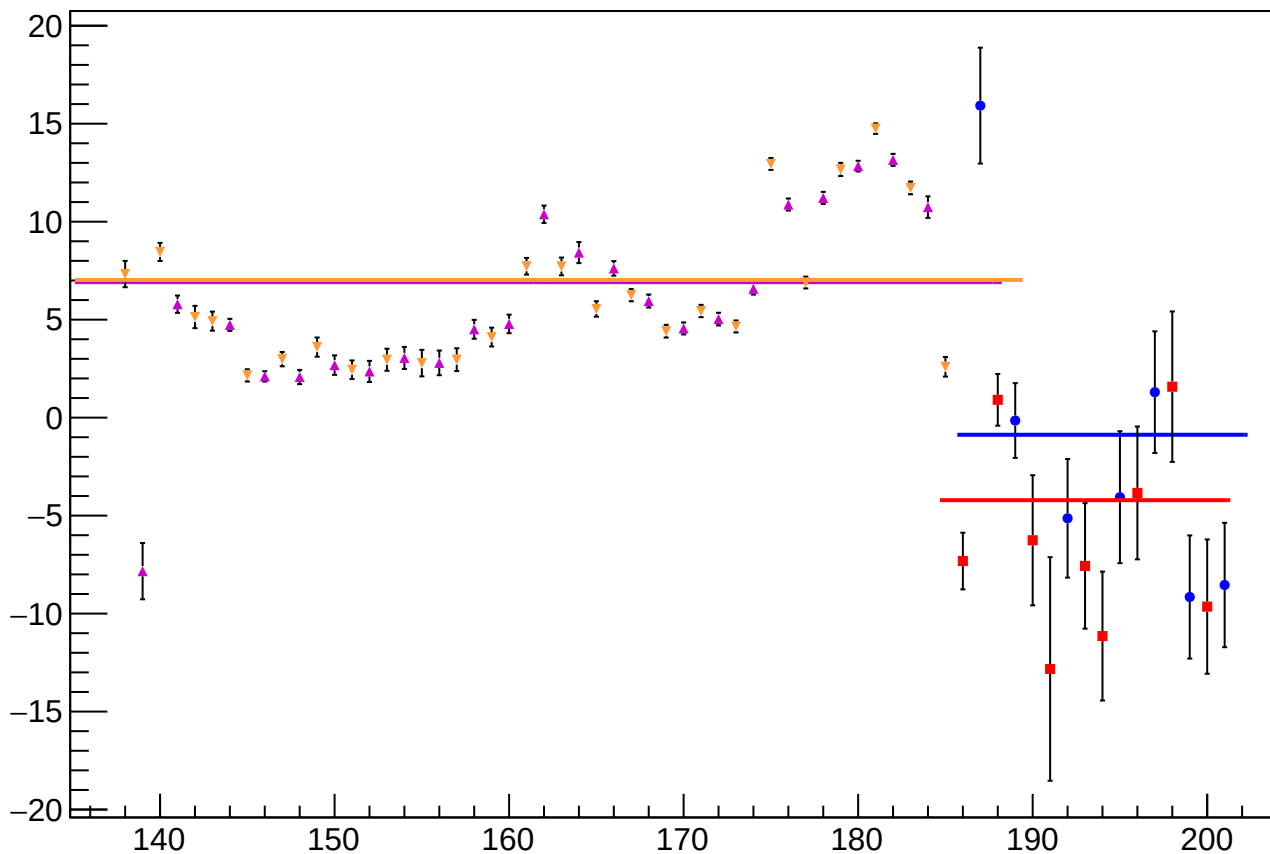
Left In: -12.885 ± 0.095 χ^2/NDF : 4776.2/22

+ sign -13.229 ± 0.093 χ^2/NDF : 6941.4/31

All: -12.847 ± 0.066 χ^2/NDF : 15979.0/63

- sign -12.458 ± 0.094 χ^2/NDF : 9003.6/31

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -0.874 ± 1.060 $\chi^2/\text{NDF}: 48.6/6$

Left Out: 7.028 ± 0.077 $\chi^2/\text{NDF}: 2665.3/24$

Right Out: -4.213 ± 0.790 $\chi^2/\text{NDF}: 32.7/8$

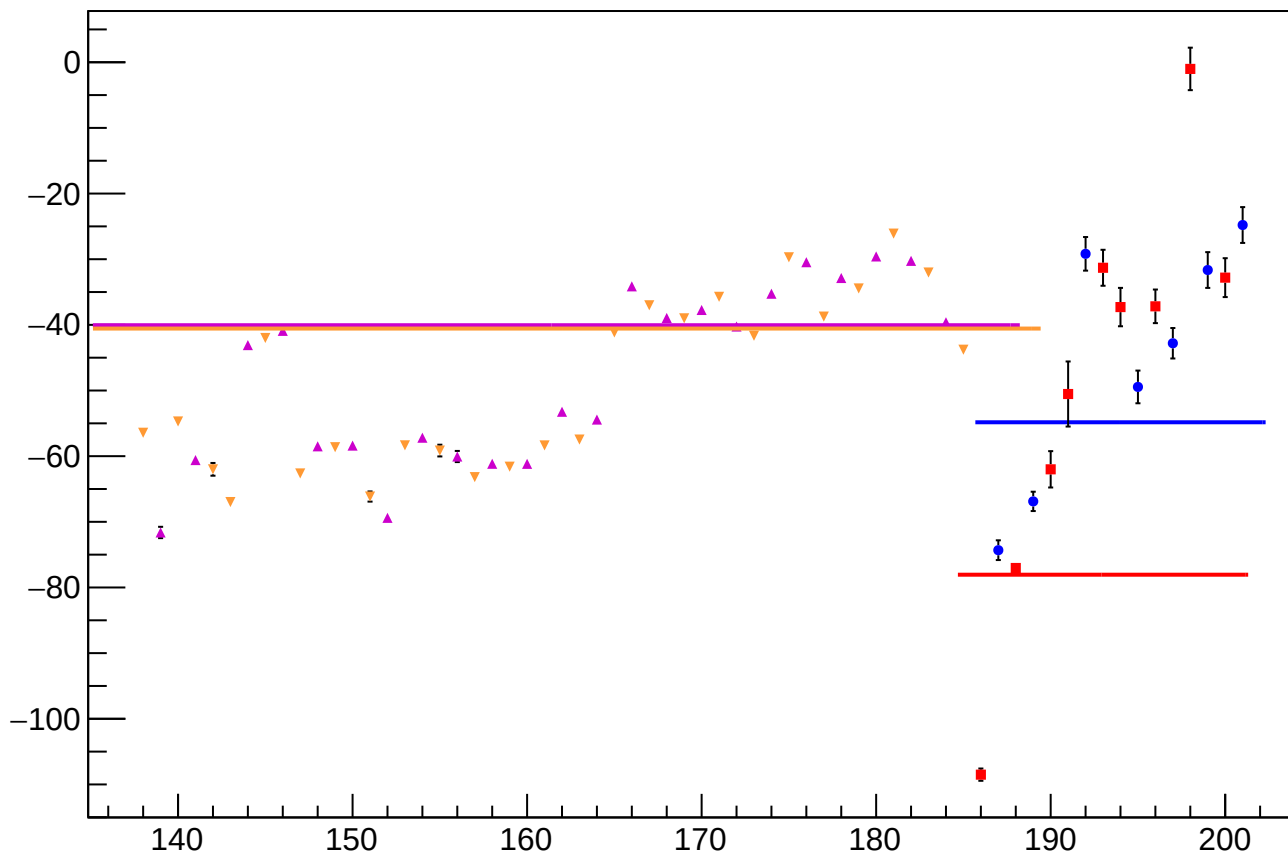
Left In: 6.914 ± 0.078 $\chi^2/\text{NDF}: 2428.2/22$

+ sign 6.986 ± 0.077 $\chi^2/\text{NDF}: 2769.2/31$

All: 6.897 ± 0.055 $\chi^2/\text{NDF}: 5429.5/63$

- sign 6.807 ± 0.077 $\chi^2/\text{NDF}: 2657.6/31$

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -54.837 ± 0.773 χ^2/NDF : 560.8/6

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -78.055 ± 0.520 χ^2/NDF : 2667.2/8

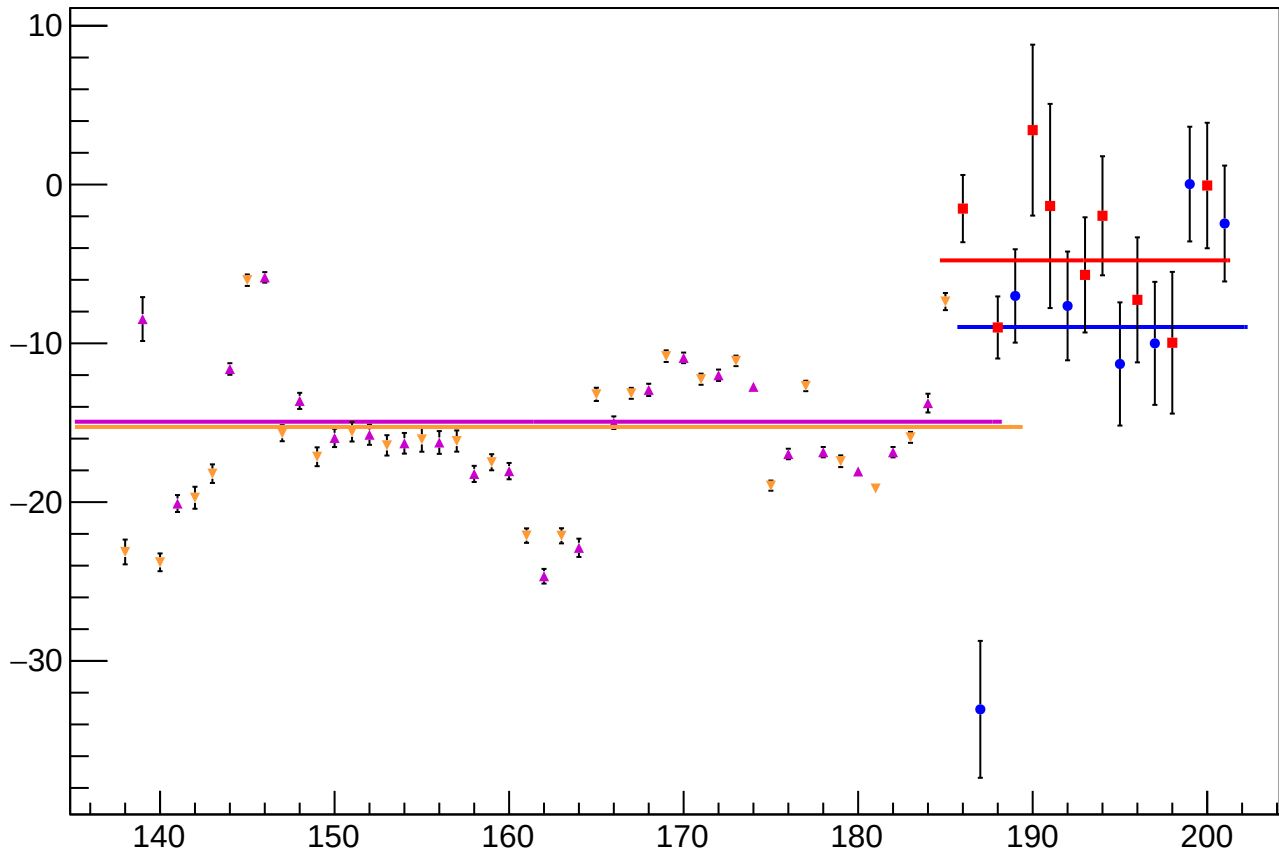
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -40.774 ± 0.094 χ^2/NDF : 16534.2/31

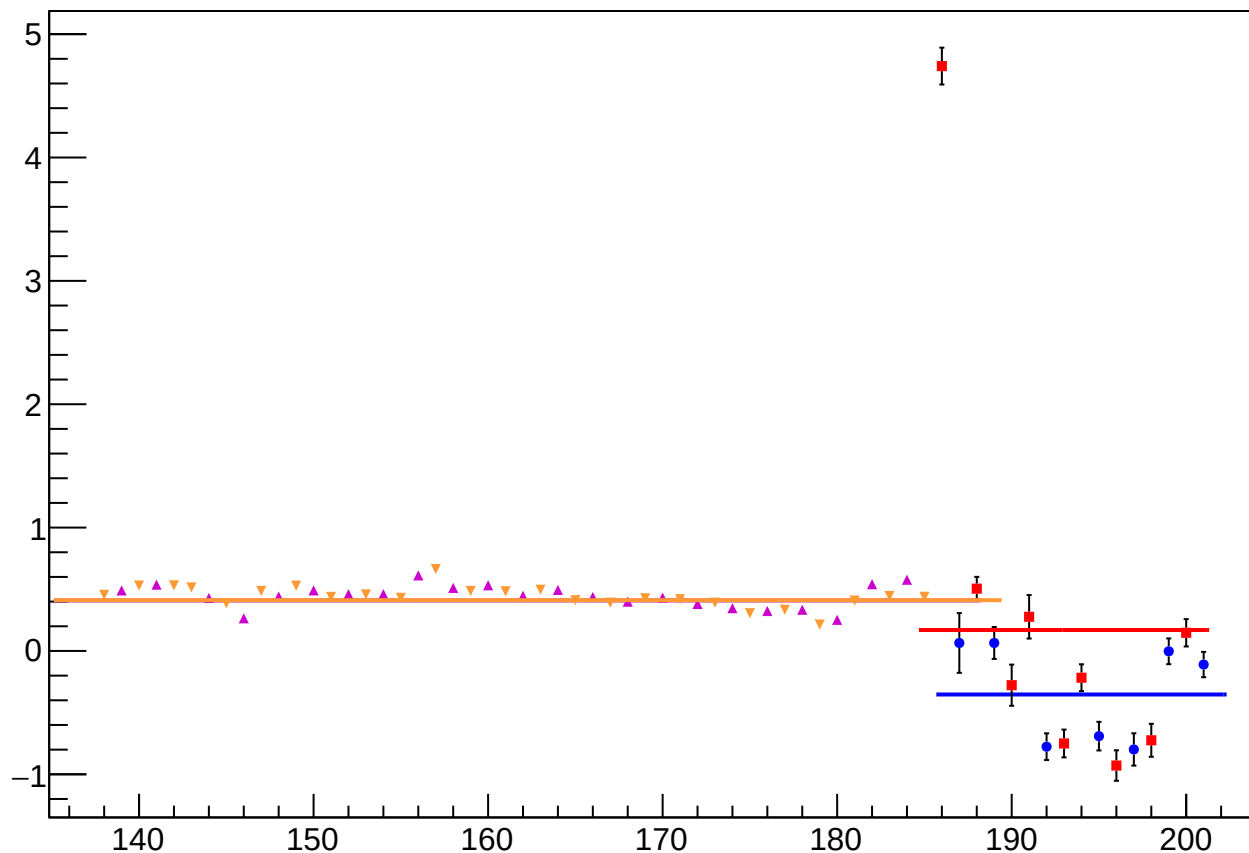
All: -41.035 ± 0.067 χ^2/NDF : 38308.0/63

- sign -41.297 ± 0.094 χ^2/NDF : 21758.3/31

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: -0.353 ± 0.046 $\chi^2/\text{NDF}: 65.5/6$

Left Out: 0.411 ± 0.004 $\chi^2/\text{NDF}: 428.7/24$

Right Out: 0.170 ± 0.041 $\chi^2/\text{NDF}: 1159.4/8$

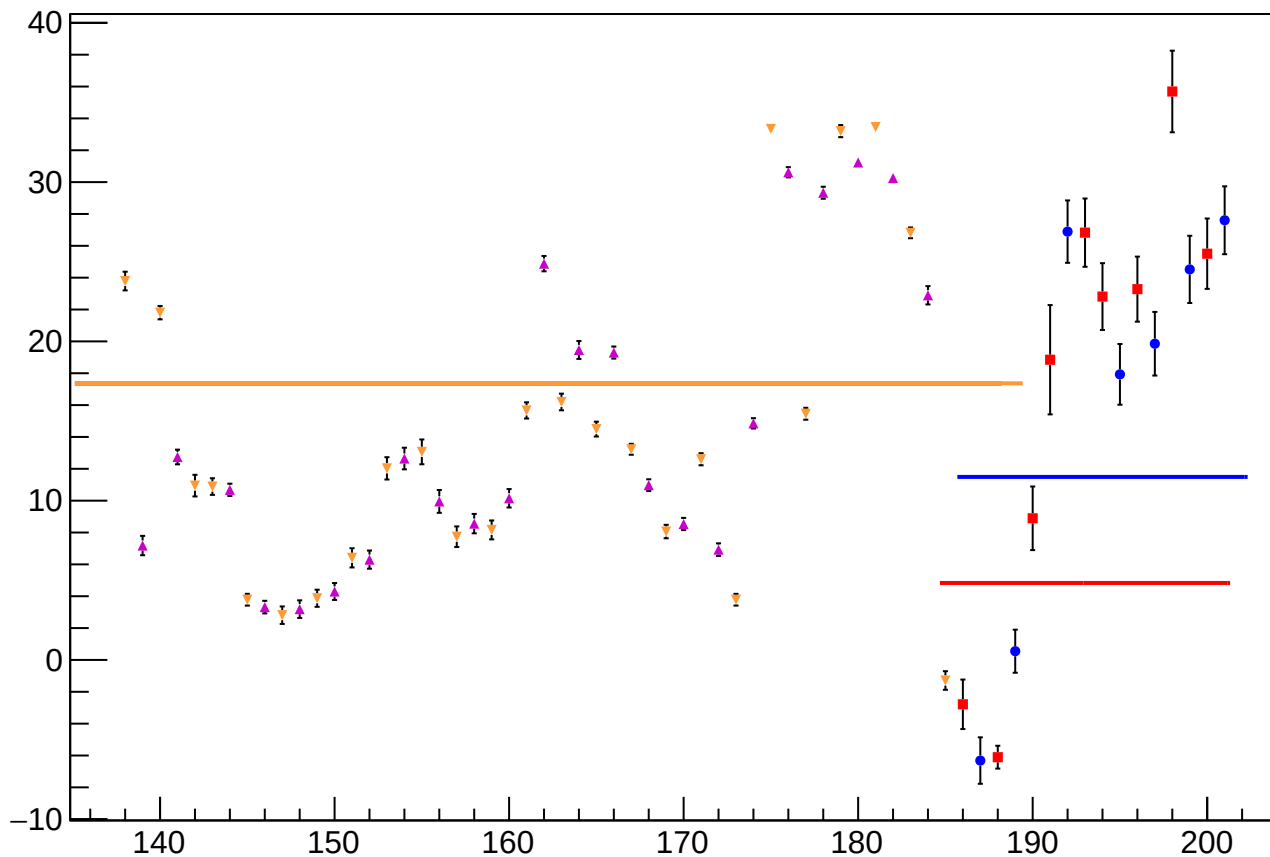
Left In: 0.409 ± 0.004 $\chi^2/\text{NDF}: 557.8/22$

+ sign 0.406 ± 0.004 $\chi^2/\text{NDF}: 773.0/31$

All: 0.407 ± 0.003 $\chi^2/\text{NDF}: 2523.8/63$

- sign 0.407 ± 0.004 $\chi^2/\text{NDF}: 1750.7/31$

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 11.491 $\pm$ 0.667 χ^2 /NDF: 400.6/6

Left Out: 17.367 $\pm$ 0.087 χ^2 /NDF:16337.6/24

Right Out: 4.833 $\pm$ 0.517 χ^2 /NDF: 770.8/8

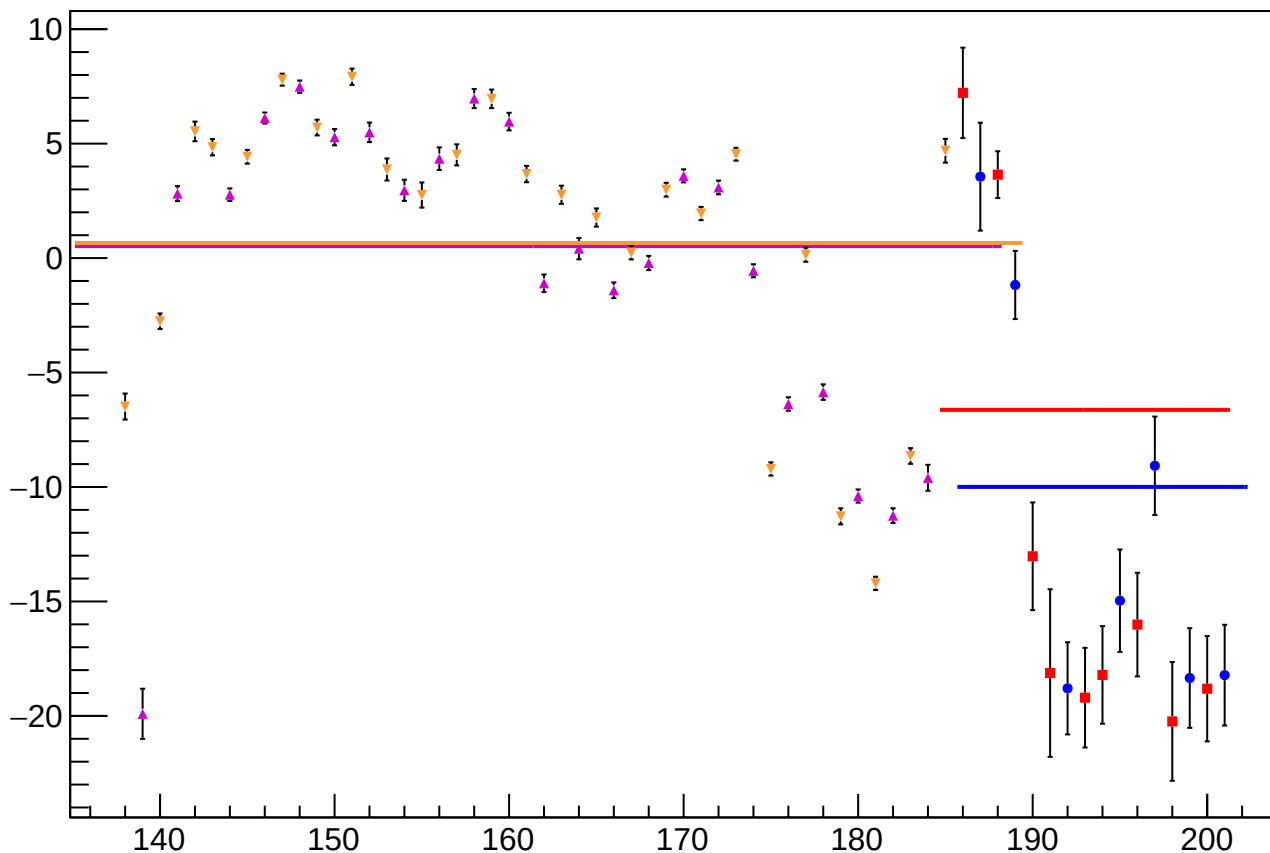
Left In: 17.355 $\pm$ 0.089 χ^2 /NDF:12745.1/22

+ sign 17.269 $\pm$ 0.086 χ^2 /NDF: 16814.6/31

All: 17.134 $\pm$ 0.062 χ^2 /NDF: 30904.8/63

- sign 16.996 $\pm$ 0.088 χ^2 /NDF: 14085.3/31

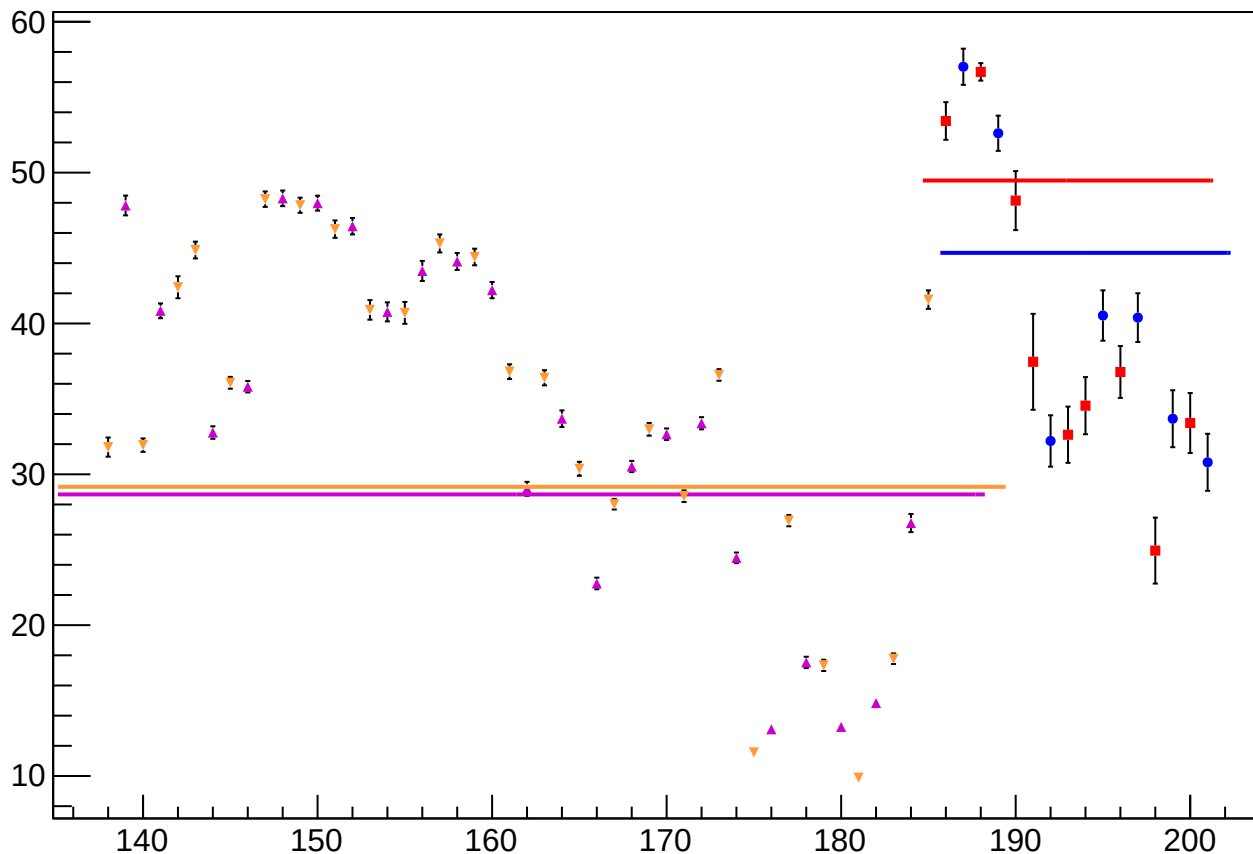
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -9.996+/-0.764 χ^2/NDF : 121.1/6
 Left Out: 0.661+/-0.069 χ^2/NDF :8553.9/24
 Right Out: -6.630+/-0.641 χ^2/NDF : 302.9/8
 Left In: 0.524+/-0.071 χ^2/NDF :6729.7/22

+ sign 0.574+/-0.069 χ^2/NDF : 8867.8/31
 All: 0.507+/-0.049 χ^2/NDF : 16025.2/63
 - sign 0.438+/-0.070 χ^2/NDF : 7155.5/31

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 44.682 ± 0.570 χ^2/NDF : 306.8/6

Left Out: 29.171 ± 0.088 χ^2/NDF : 18974.7/24

Right Out: 49.477 ± 0.432 χ^2/NDF : 569.5/8

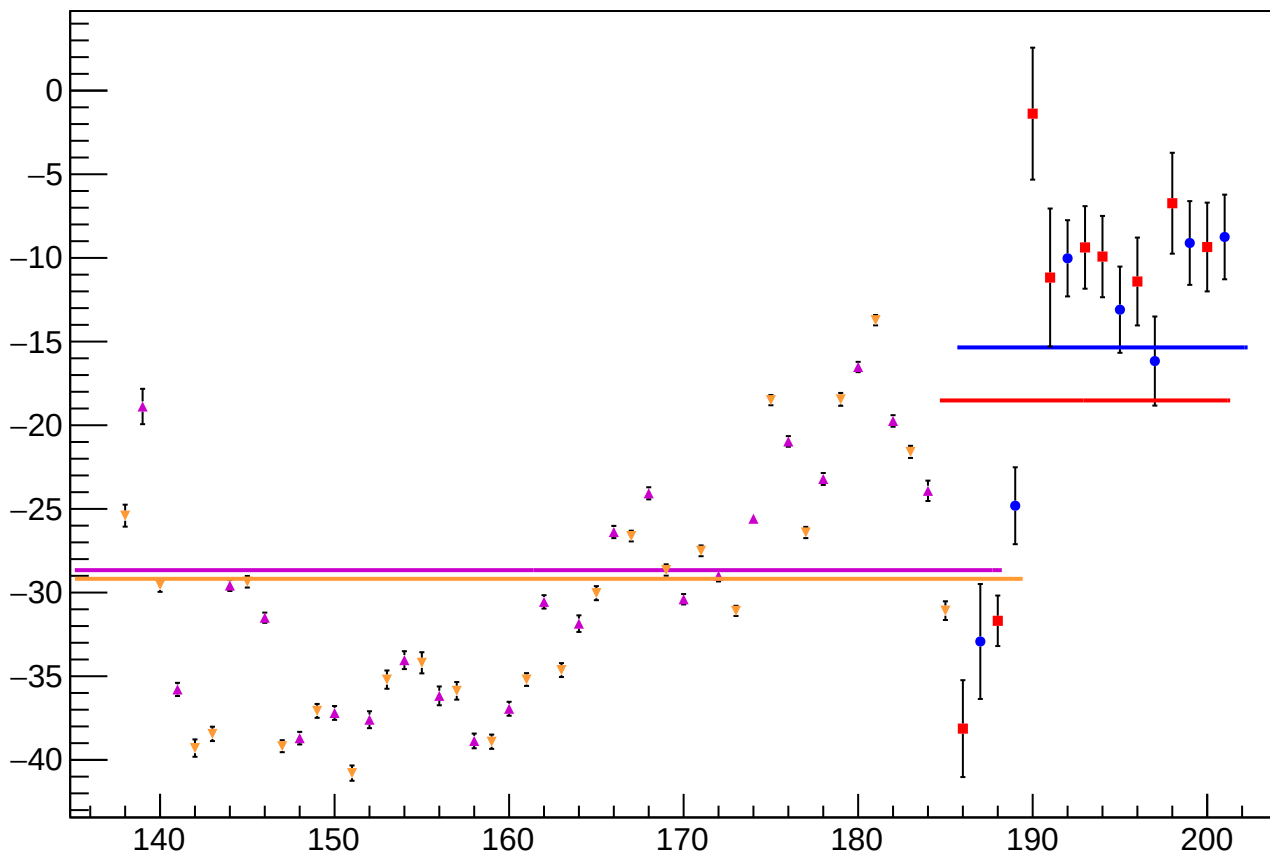
Left In: 28.667 ± 0.089 χ^2/NDF : 16847.2/22

+ sign 29.530 ± 0.087 χ^2/NDF : 20004.7/31

All: 29.523 ± 0.062 χ^2/NDF : 39646.5/63

- sign 29.516 ± 0.087 χ^2/NDF : 19641.7/31

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -15.349 ± 0.965 χ^2/NDF : 62.5/6

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -18.518 ± 0.841 χ^2/NDF : 204.9/8

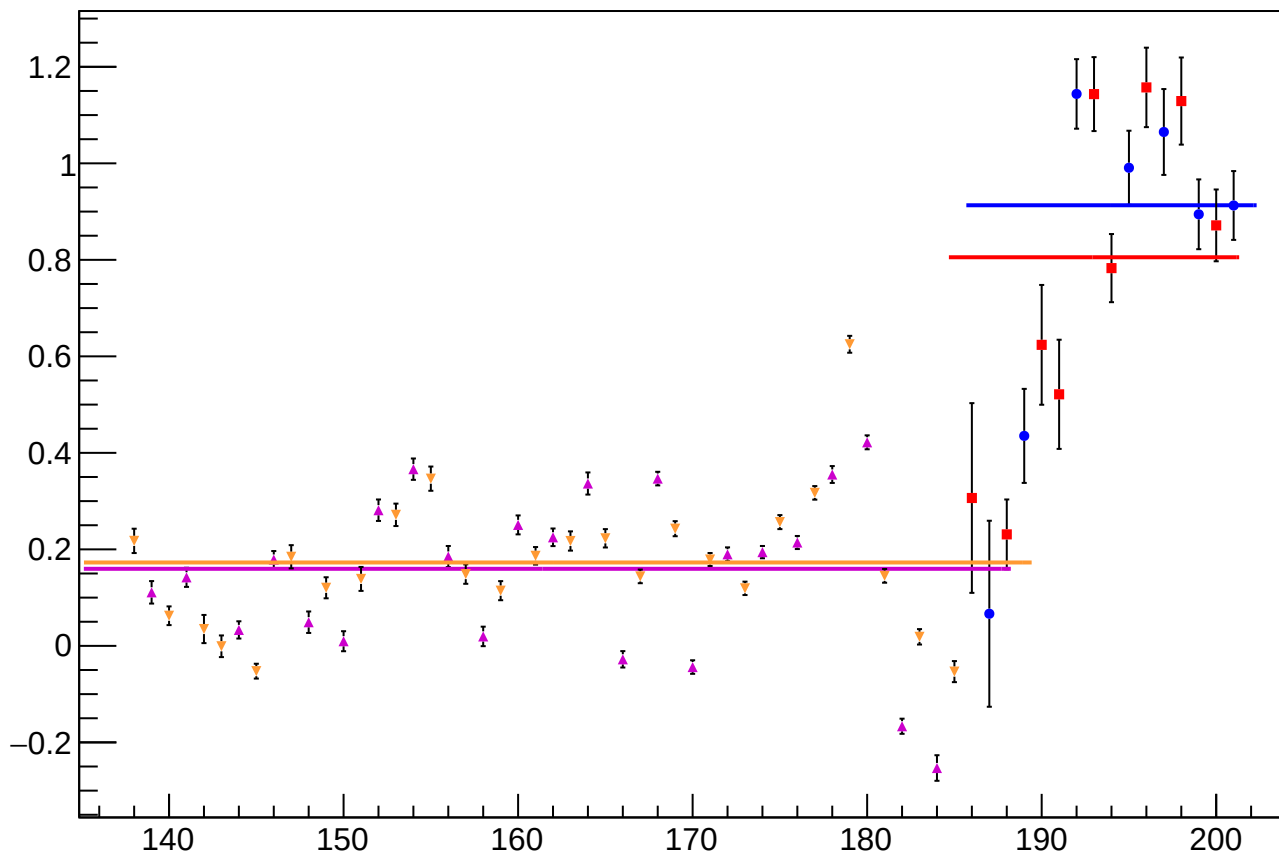
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -29.088 ± 0.078 χ^2/NDF : 9348.0/31

All: -28.834 ± 0.056 χ^2/NDF : 16388.7/63

- sign -28.570 ± 0.079 χ^2/NDF : 7019.0/31

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.913 ± 0.031 χ^2/NDF : 57.6/6

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.805 ± 0.029 χ^2/NDF : 129.4/8

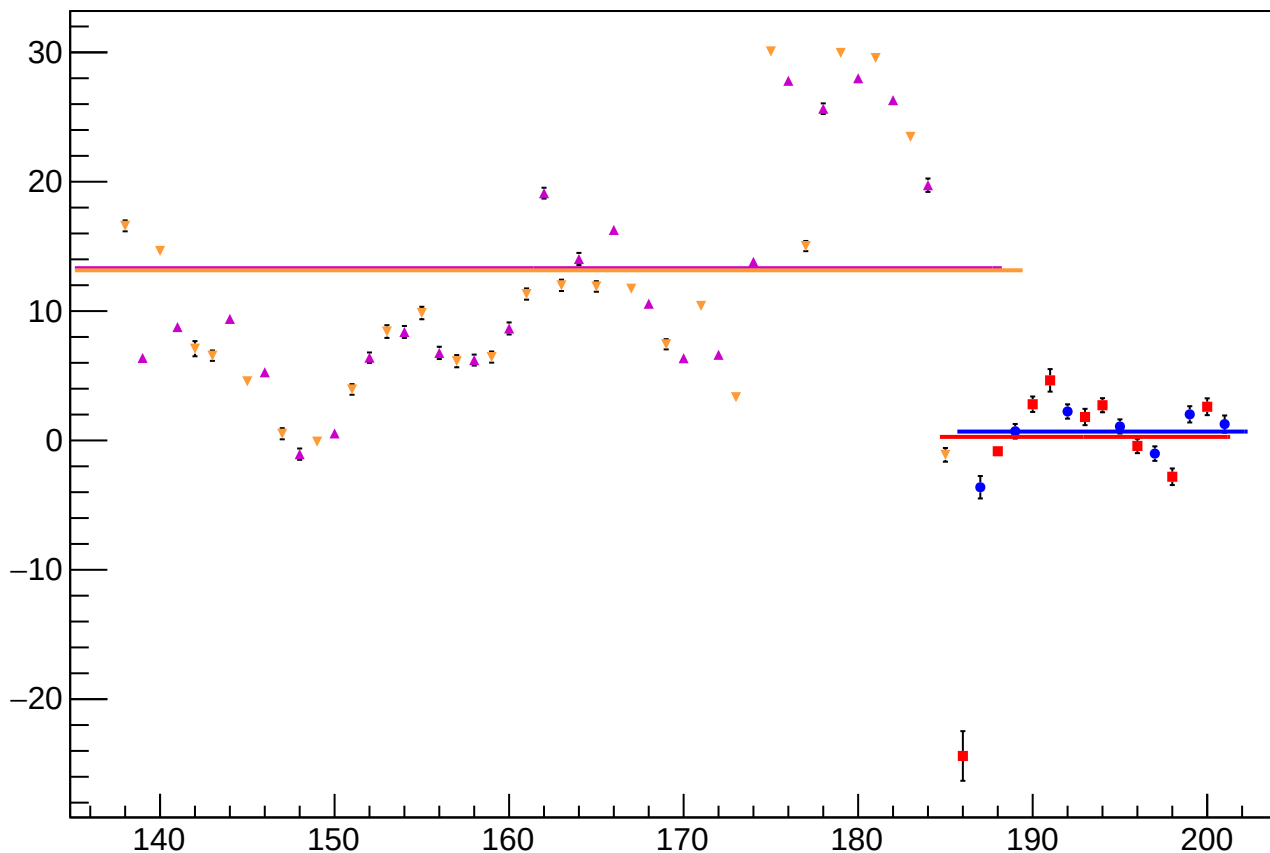
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.182 ± 0.004 χ^2/NDF : 2081.7/31

All: 0.176 ± 0.003 χ^2/NDF : 4760.0/63

- sign 0.170 ± 0.004 χ^2/NDF : 2672.2/31

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.686 ± 0.229 $\chi^2/\text{NDF}: 47.5/6$

Left Out: 13.153 ± 0.075 $\chi^2/\text{NDF}: 17079.7/24$

Right Out: 0.275 ± 0.180 $\chi^2/\text{NDF}: 287.2/8$

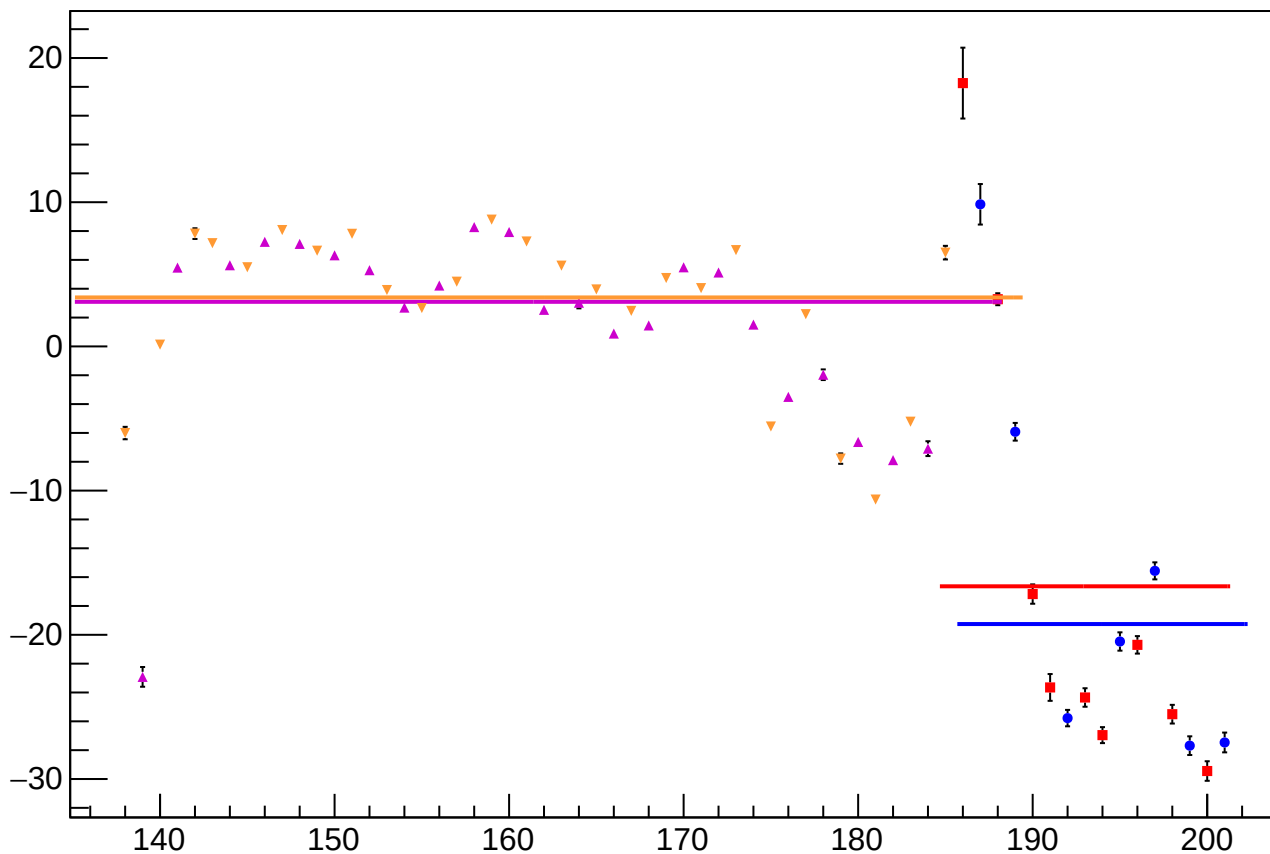
Left In: 13.315 ± 0.077 $\chi^2/\text{NDF}: 13977.7/22$

+ sign 11.942 ± 0.071 $\chi^2/\text{NDF}: 19797.0/31$

All: 11.614 ± 0.050 $\chi^2/\text{NDF}: 38539.0/63$

- sign 11.293 ± 0.071 $\chi^2/\text{NDF}: 18700.4/31$

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -19.254 ± 0.249 χ^2/NDF : 1387.3/6

Left Out: 3.396 ± 0.058 χ^2/NDF : 8101.5/24

Right Out: -16.637 ± 0.212 χ^2/NDF : 3647.9/8

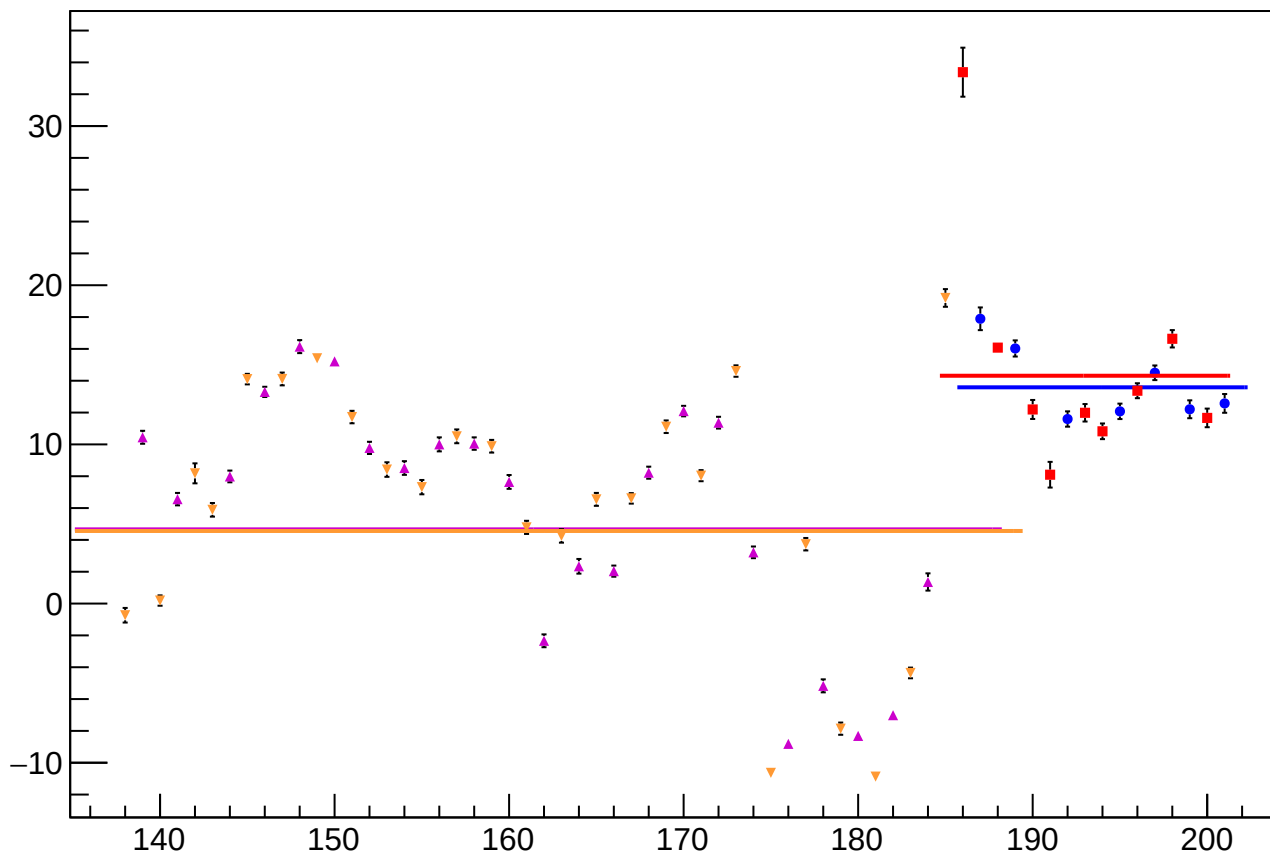
Left In: 3.092 ± 0.061 χ^2/NDF : 7104.4/22

+ sign 2.218 ± 0.057 χ^2/NDF : 17318.0/31

All: 1.916 ± 0.041 χ^2/NDF : 36162.3/63

- sign 1.598 ± 0.058 χ^2/NDF : 18786.3/31

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.586+/-0.199 χ^2/NDF : 99.3/6

Left Out: 4.561+/-0.075 χ^2/NDF :13592.1/24

Right Out: 14.314+/-0.154 χ^2/NDF : 395.9/8

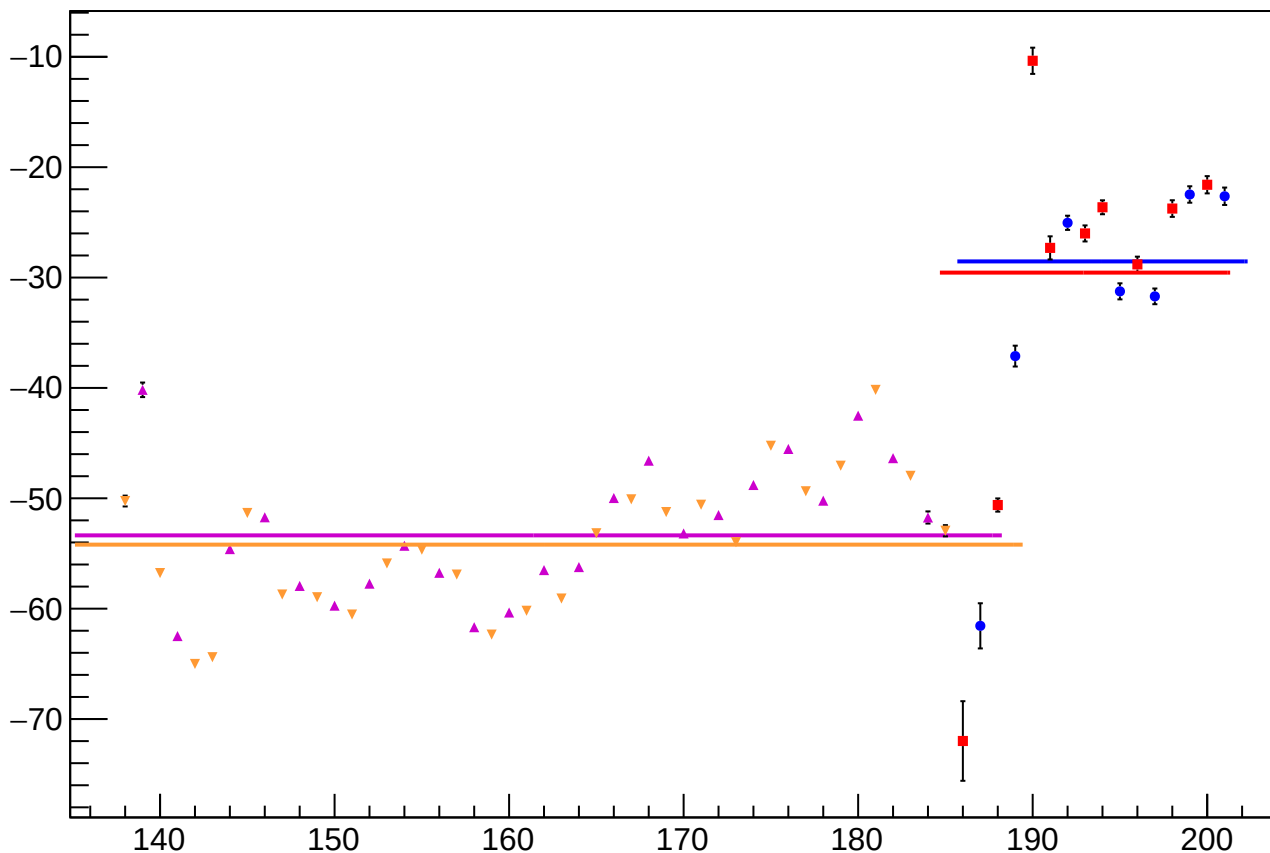
Left In: 4.662+/-0.077 χ^2/NDF :11281.5/22

+ sign 5.691+/-0.071 χ^2/NDF : 15486.1/31

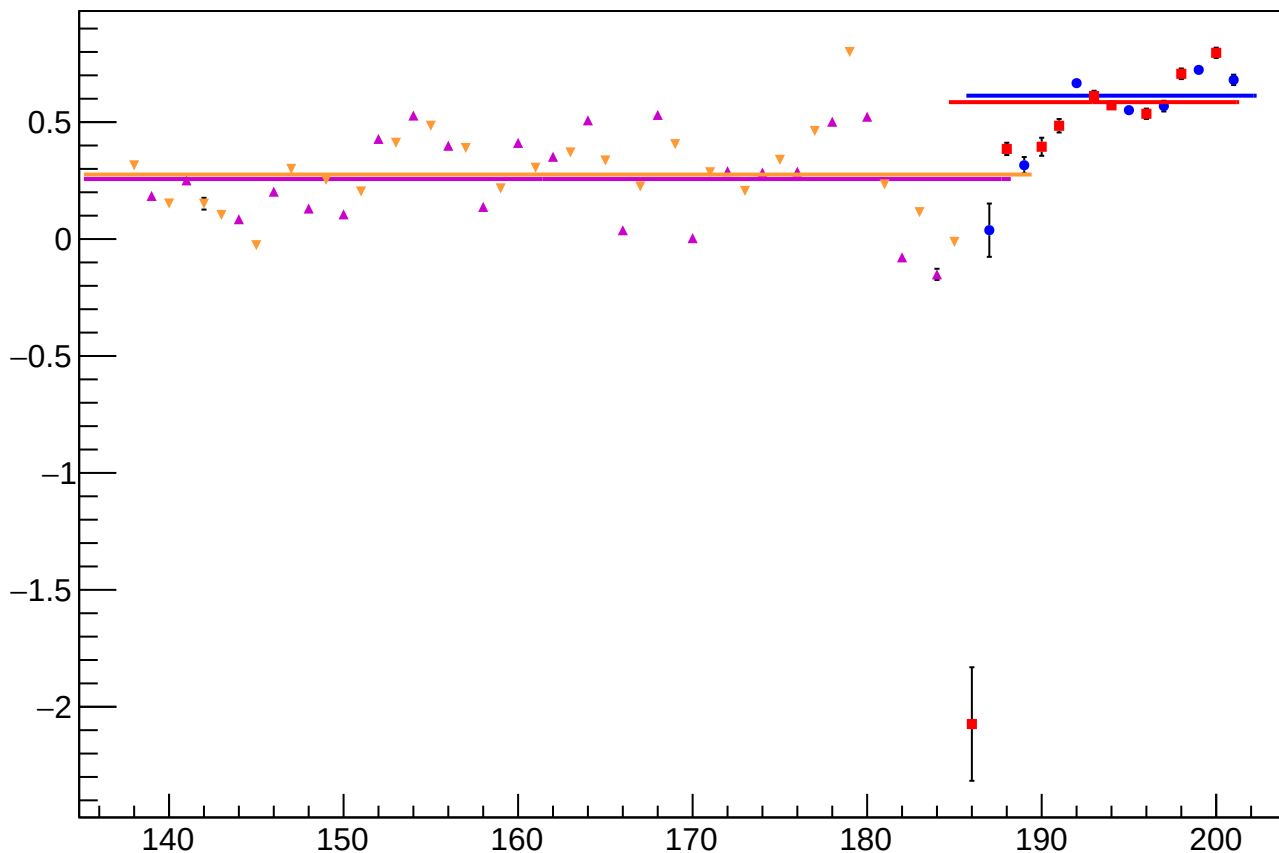
All: 6.149+/-0.049 χ^2/NDF : 30389.9/63

- sign 6.584+/-0.069 χ^2/NDF : 14821.5/31

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.613 ± 0.009 χ^2/NDF : 151.7/6

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.585 ± 0.008 χ^2/NDF : 342.8/8

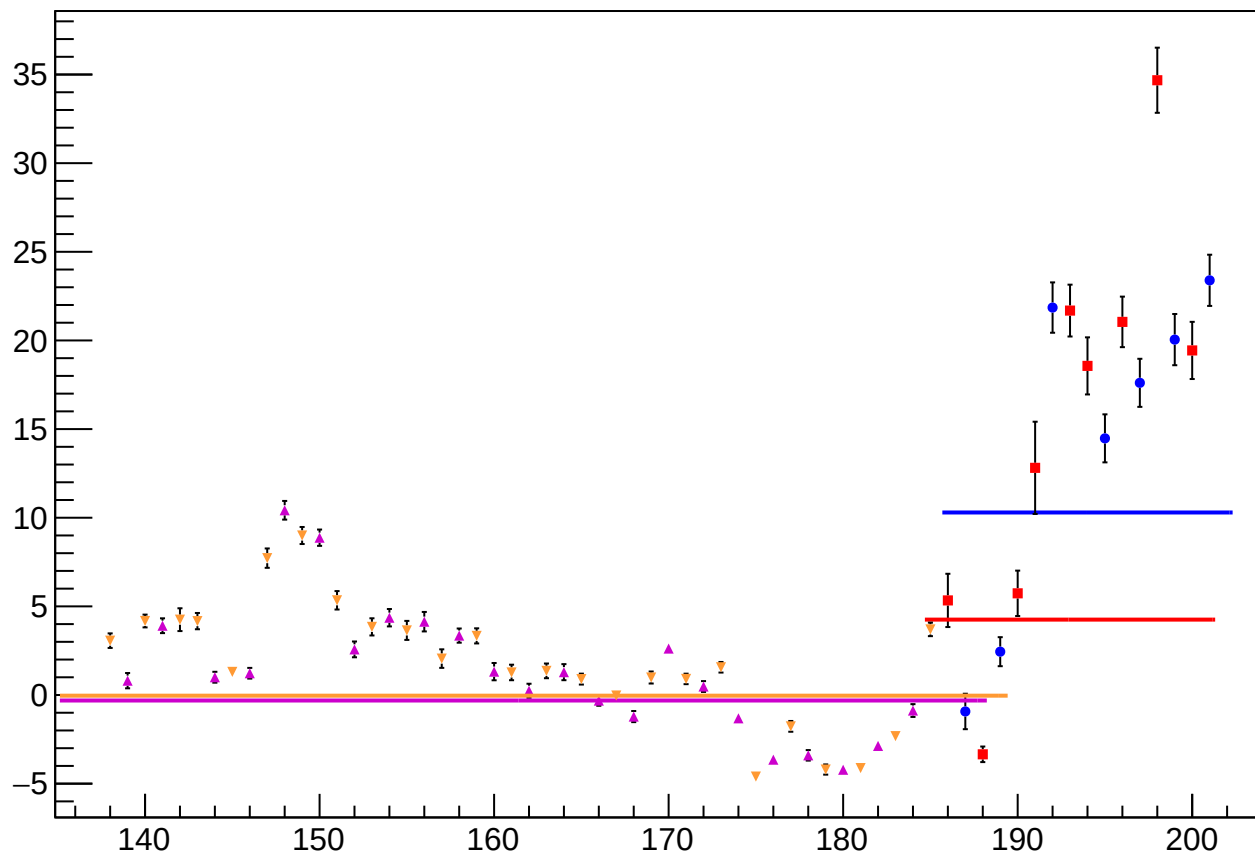
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.309 ± 0.003 χ^2/NDF : 3961.3/31

All: 0.303 ± 0.002 χ^2/NDF : 9301.8/63

- sign 0.297 ± 0.003 χ^2/NDF : 5332.1/31

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 10.296 ± 0.446 χ^2/NDF : 450.7/6

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: 4.253 ± 0.345 χ^2/NDF : 1035.2/8

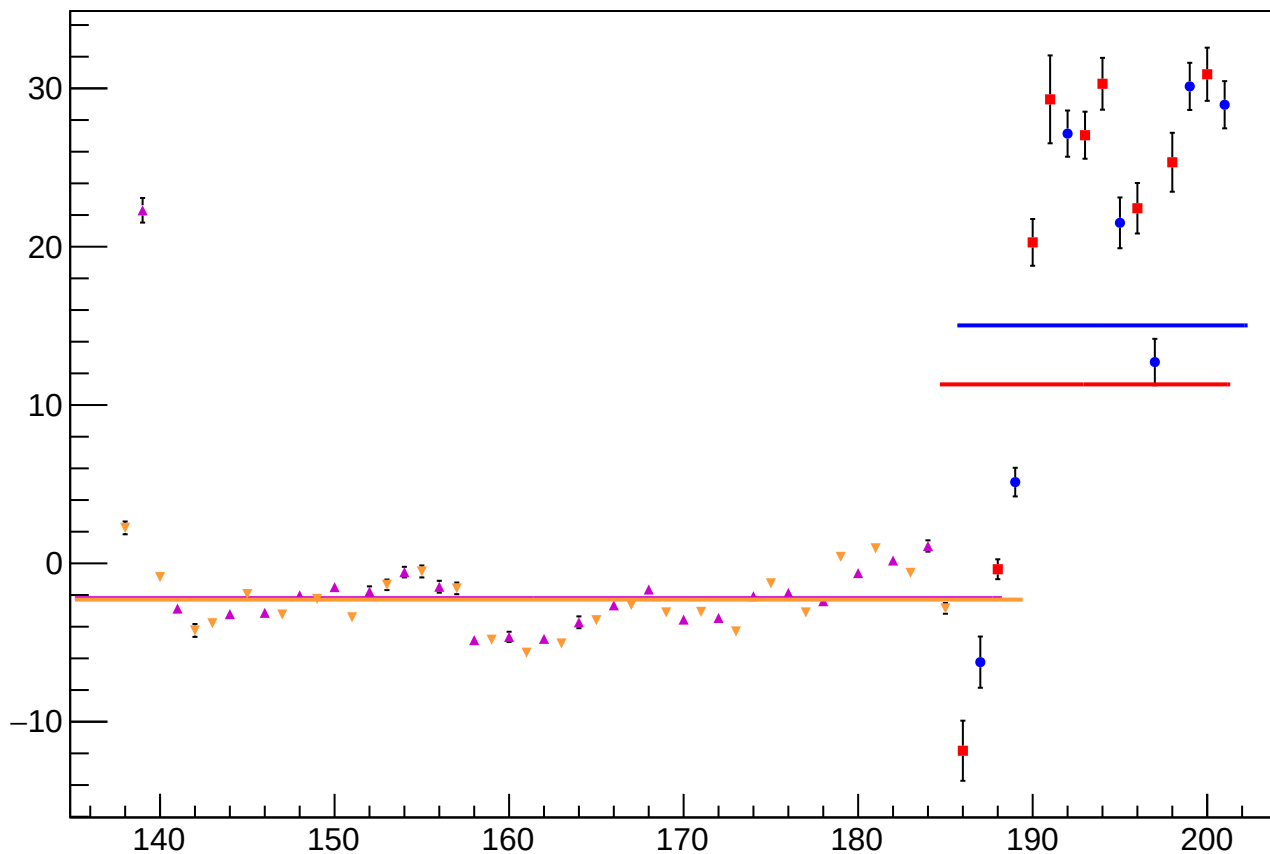
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign 0.185 ± 0.065 χ^2/NDF : 3614.6/31

All: 0.023 ± 0.046 χ^2/NDF : 7081.5/63

- sign -0.142 ± 0.066 χ^2/NDF : 3454.5/31

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 15.029 ± 0.511 $\chi^2/\text{NDF}: 570.1/6$

Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$

Right Out: 11.304 ± 0.436 $\chi^2/\text{NDF}: 1061.8/8$

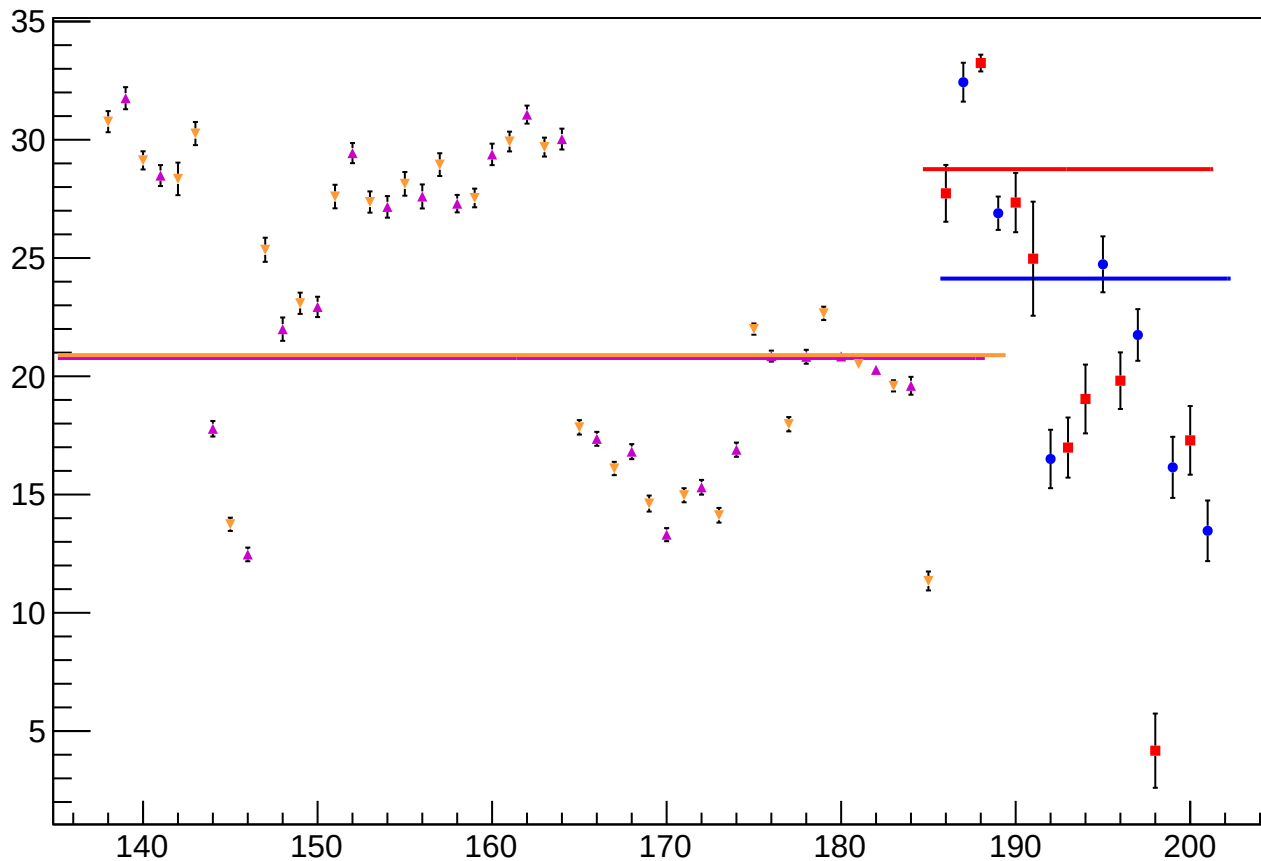
Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -2.096 ± 0.054 $\chi^2/\text{NDF}: 2842.5/31$

All: -2.042 ± 0.038 $\chi^2/\text{NDF}: 6525.3/63$

- sign -1.985 ± 0.055 $\chi^2/\text{NDF}: 3680.7/31$

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 24.131 $\pm$ 0.380 χ^2 /NDF: 268.0/6

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF: 6655.4/24

Right Out: 28.758 $\pm$ 0.287 χ^2 /NDF: 659.2/8

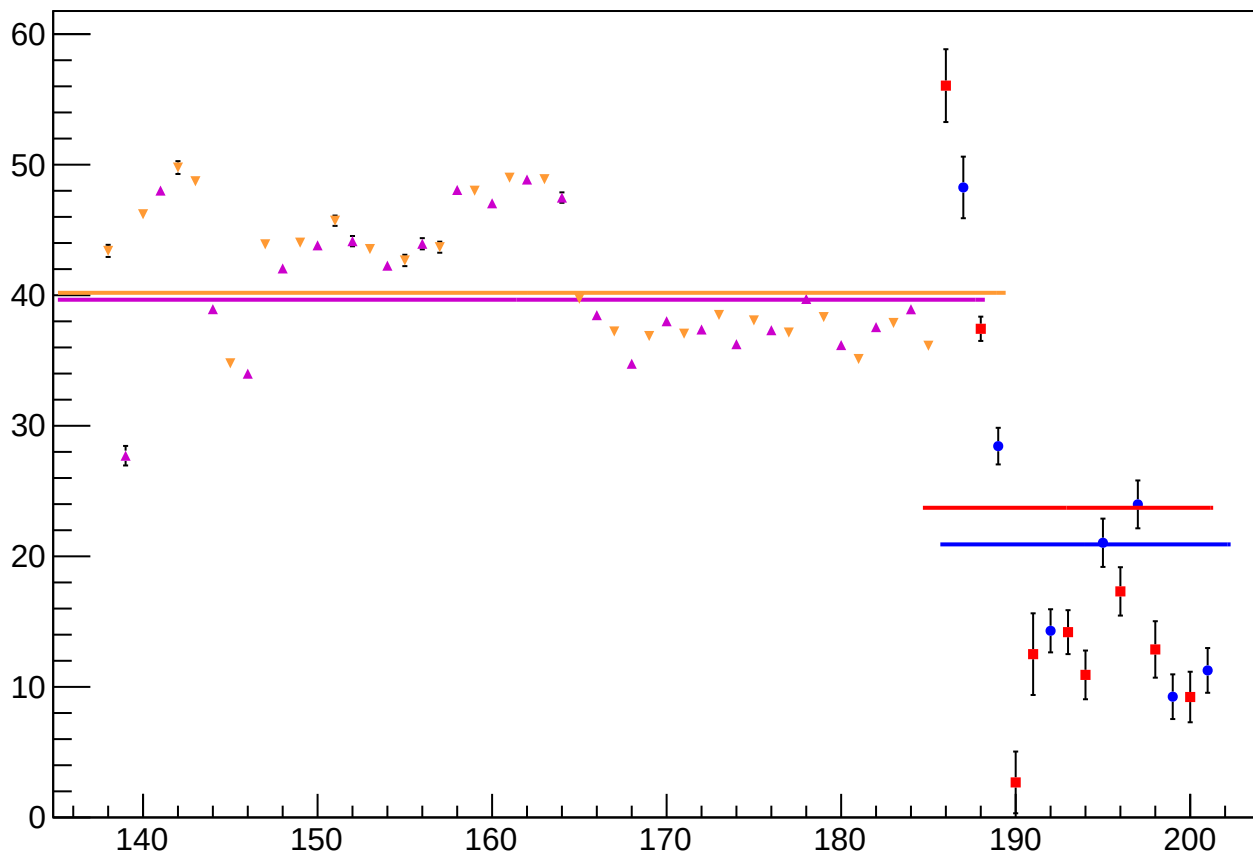
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF: 5927.9/22

+ sign 20.991 $\pm$ 0.066 χ^2 /NDF: 6993.6/31

All: 21.092 $\pm$ 0.046 χ^2 /NDF: 14319.3/63

- sign 21.194 $\pm$ 0.066 χ^2 /NDF: 7320.9/31

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 20.915 $\pm$ 0.656 χ^2 /NDF: 260.3/6

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 23.720 $\pm$ 0.579 χ^2 /NDF: 616.0/8

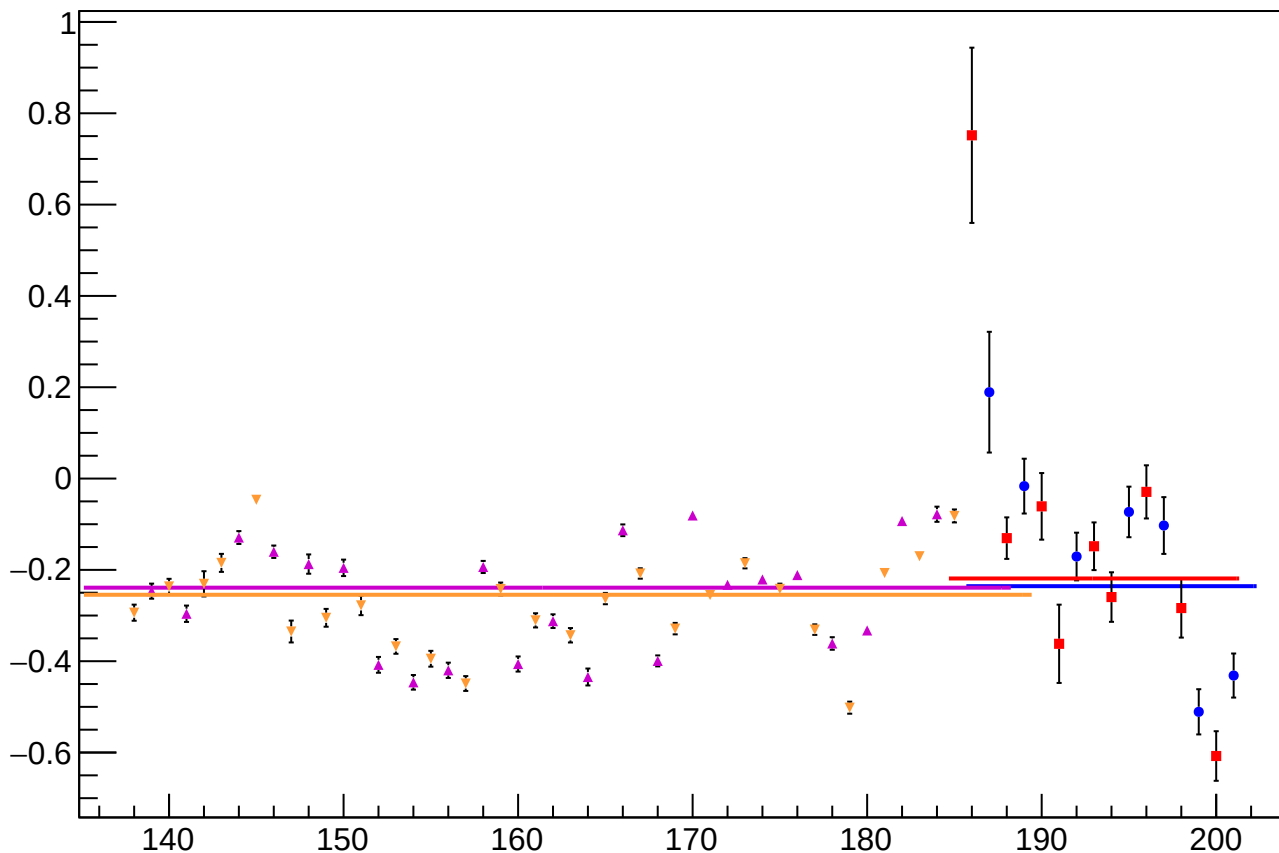
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 40.024 $\pm$ 0.060 χ^2 /NDF: 7049.7/31

All: 39.755 $\pm$ 0.043 χ^2 /NDF: 13752.8/63

- sign 39.478 $\pm$ 0.061 χ^2 /NDF: 6662.5/31

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.236 ± 0.022 χ^2/NDF : 85.7/6

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.219 ± 0.020 χ^2/NDF : 102.1/8

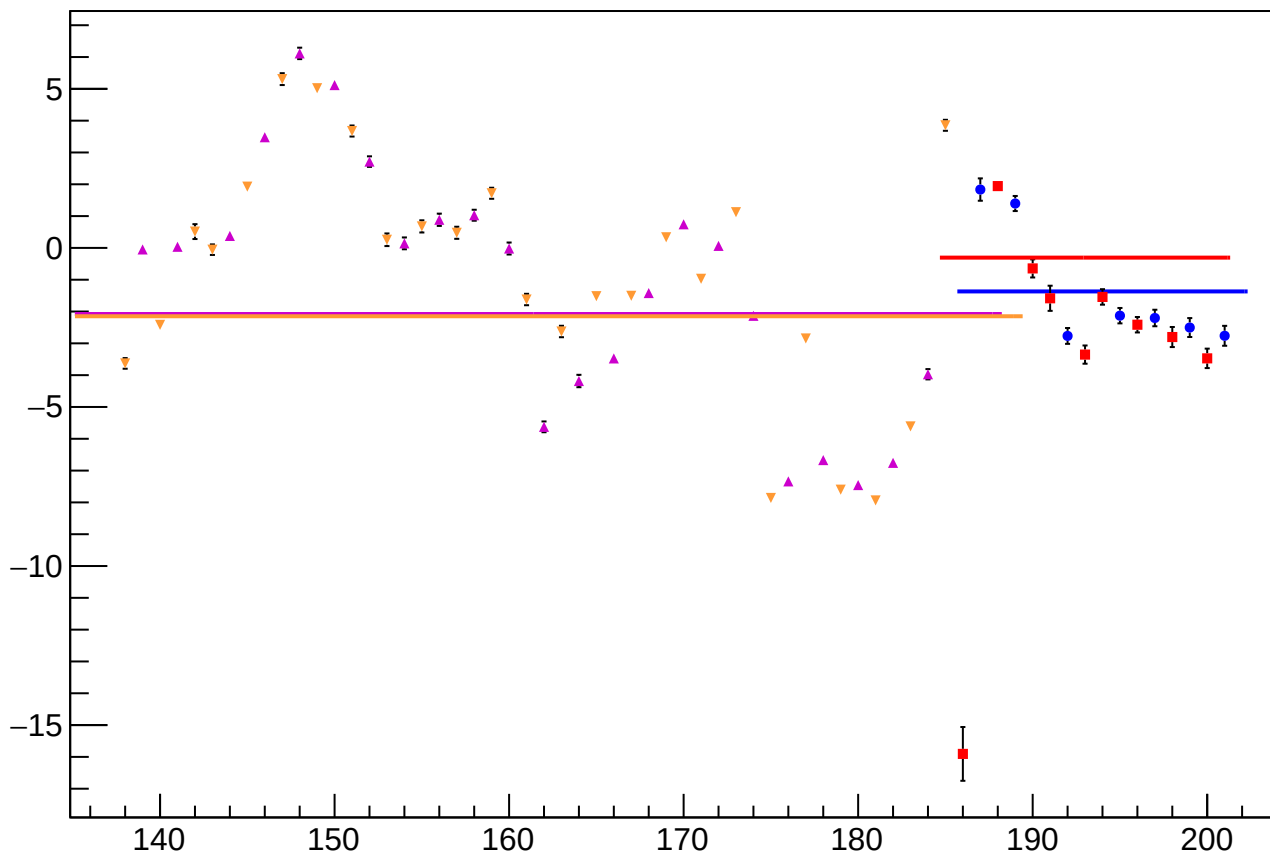
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.254 ± 0.003 χ^2/NDF : 1506.9/31

All: -0.247 ± 0.002 χ^2/NDF : 3376.7/63

- sign -0.239 ± 0.003 χ^2/NDF : 1853.5/31

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.368 ± 0.102 χ^2/NDF : 305.1/6

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.305 ± 0.077 χ^2/NDF : 1157.2/8

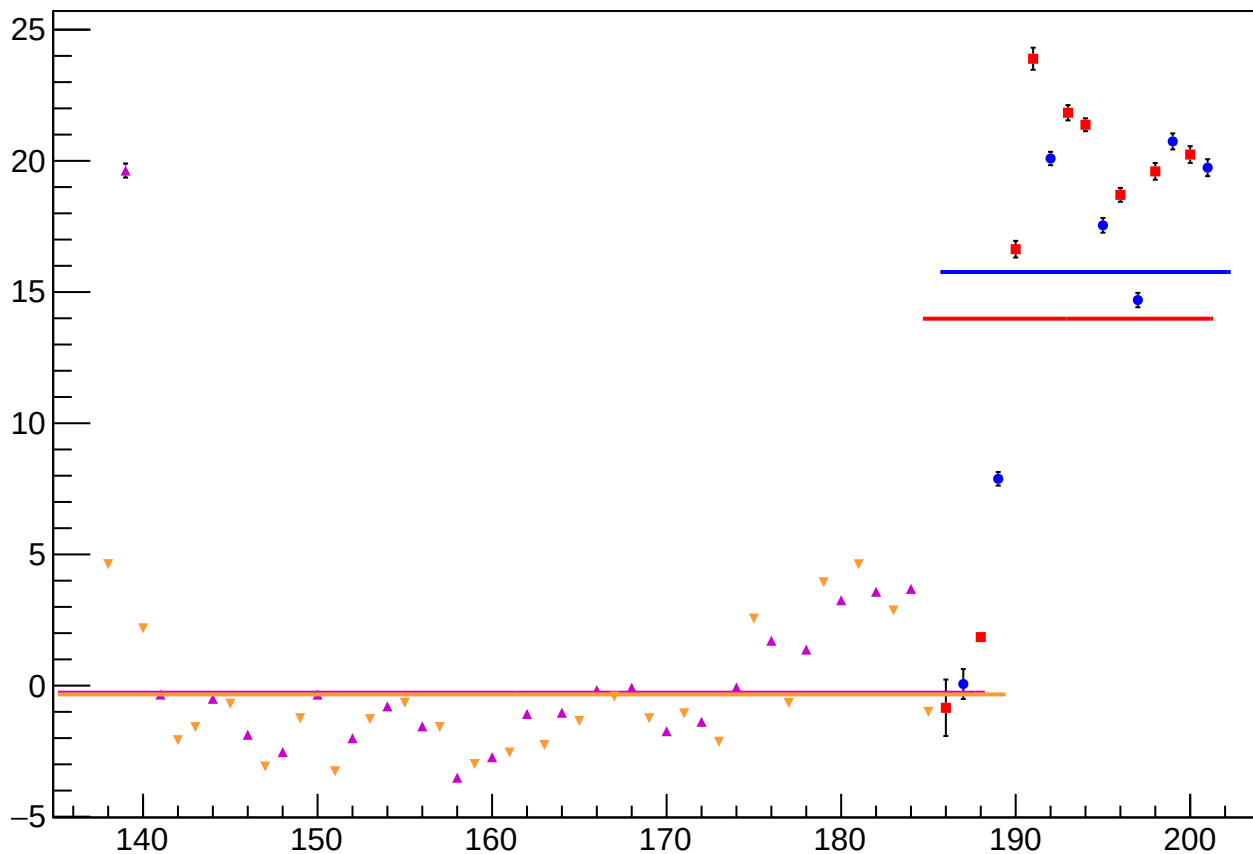
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.103 ± 0.025 χ^2/NDF : 24896.2/31

All: -1.998 ± 0.018 χ^2/NDF : 49813.5/63

- sign -1.894 ± 0.025 χ^2/NDF : 24882.1/31

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 15.763 $\pm$ 0.112 χ^2 /NDF: 2438.4/6

Left Out: -0.335 $\pm$ 0.021 χ^2 /NDF:12596.1/24

Right Out: 13.985 $\pm$ 0.093 χ^2 /NDF: 9095.5/8

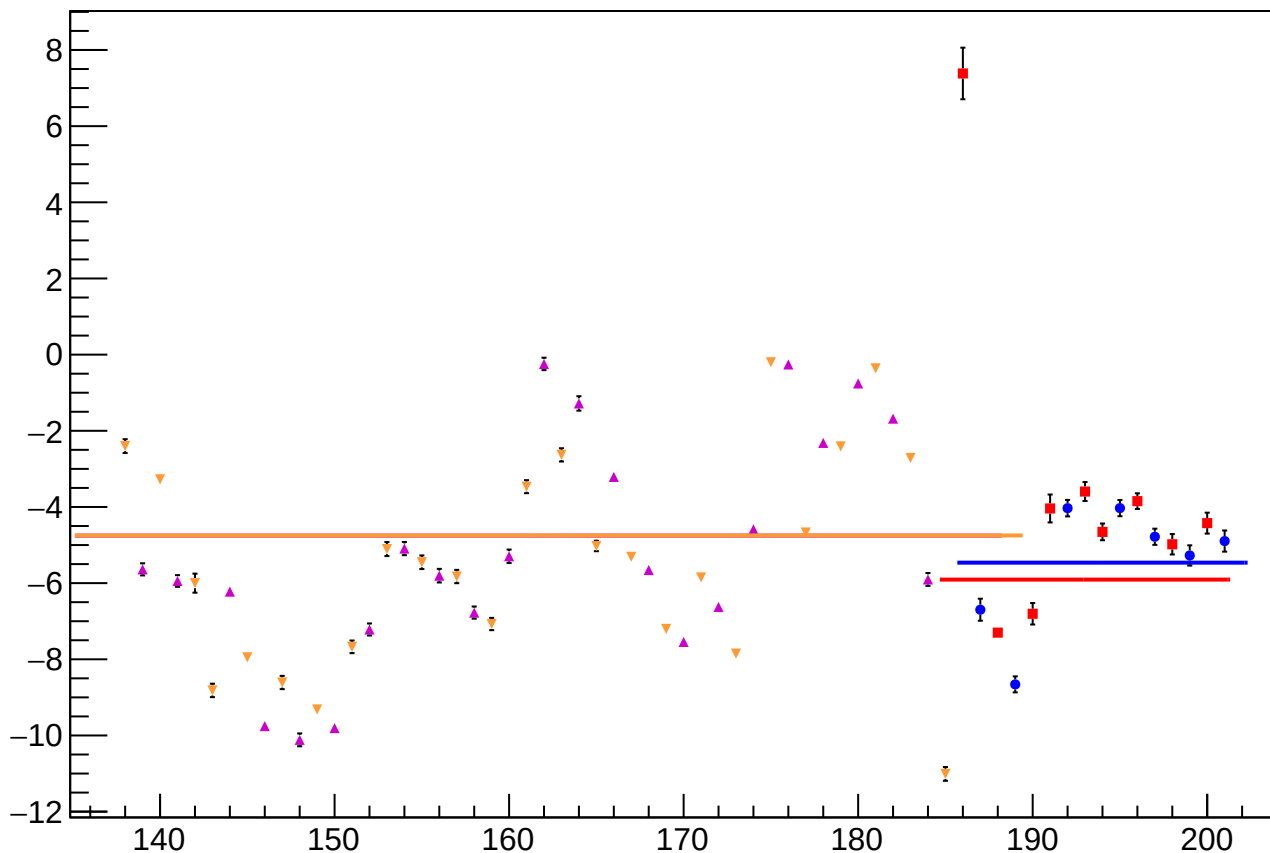
Left In: -0.269 $\pm$ 0.021 χ^2 /NDF:13323.1/22

+ sign 0.189 $\pm$ 0.020 χ^2 /NDF: 34950.9/31

All: 0.306 $\pm$ 0.014 χ^2 /NDF: 79990.7/63

- sign 0.425 $\pm$ 0.020 χ^2 /NDF: 44972.5/31

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.462 ± 0.089 χ^2/NDF : 352.9/6

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -5.907 ± 0.065 χ^2/NDF : 927.1/8

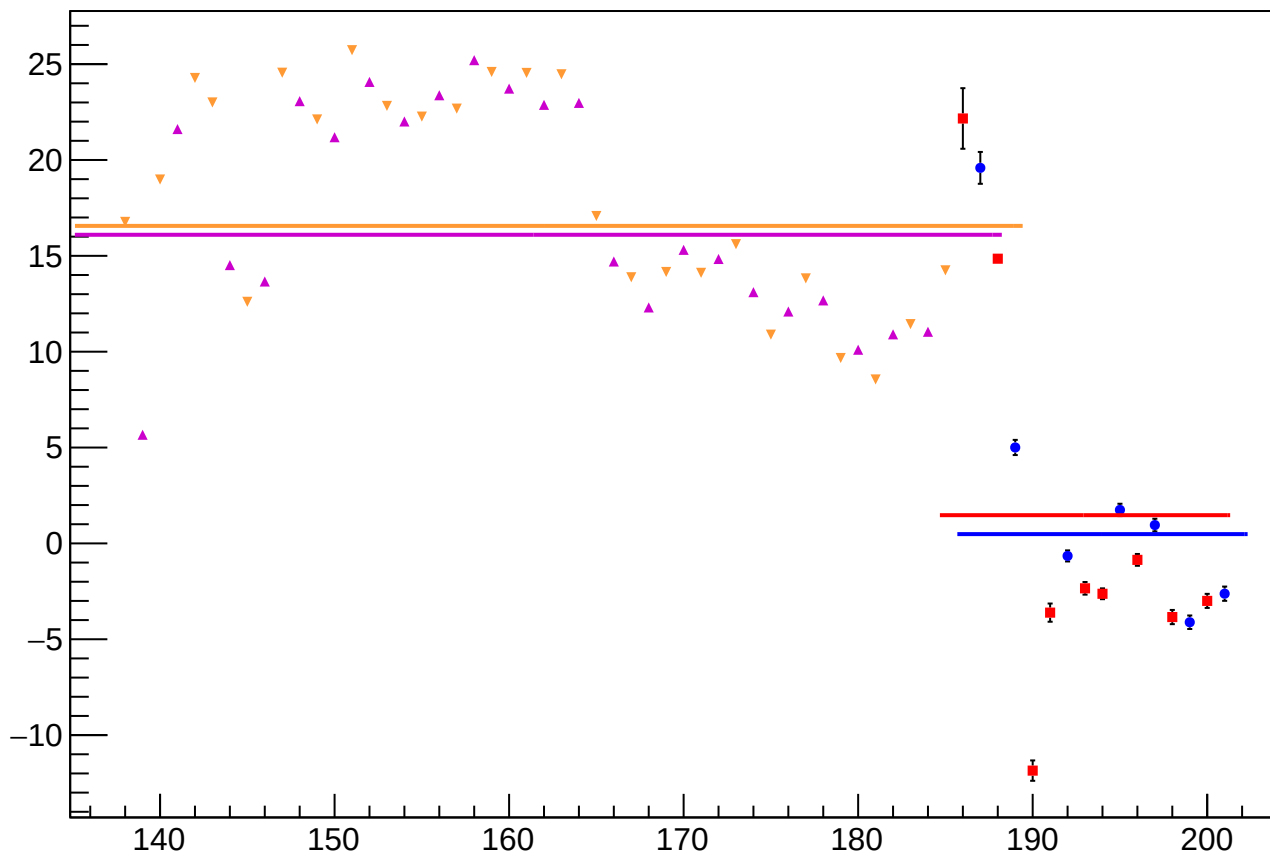
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.804 ± 0.025 χ^2/NDF : 13702.4/31

All: -4.860 ± 0.017 χ^2/NDF : 29029.7/63

- sign -4.914 ± 0.024 χ^2/NDF : 15317.3/31

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.484 ± 0.136 $\chi^2/\text{NDF}: 931.5/6$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 1.472 ± 0.117 $\chi^2/\text{NDF}: 4941.6/8$

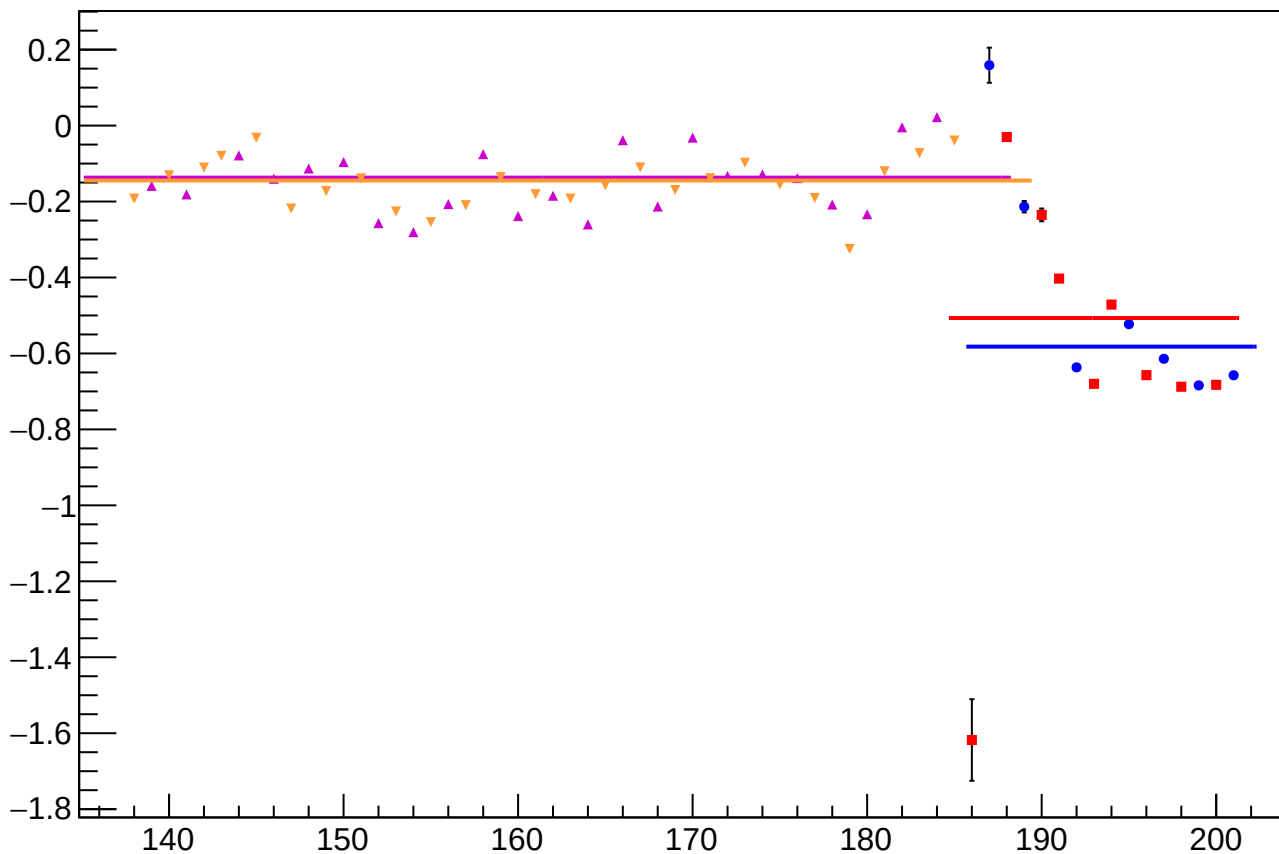
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 16.112 ± 0.023 $\chi^2/\text{NDF}: 68330.6/31$

All: 15.821 ± 0.016 $\chi^2/\text{NDF}: 131080.1/63$

- sign 15.524 ± 0.023 $\chi^2/\text{NDF}: 62421.9/31$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.582 ± 0.004 χ^2/NDF : 1086.6/6

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.507 ± 0.004 χ^2/NDF : 3633.4/8

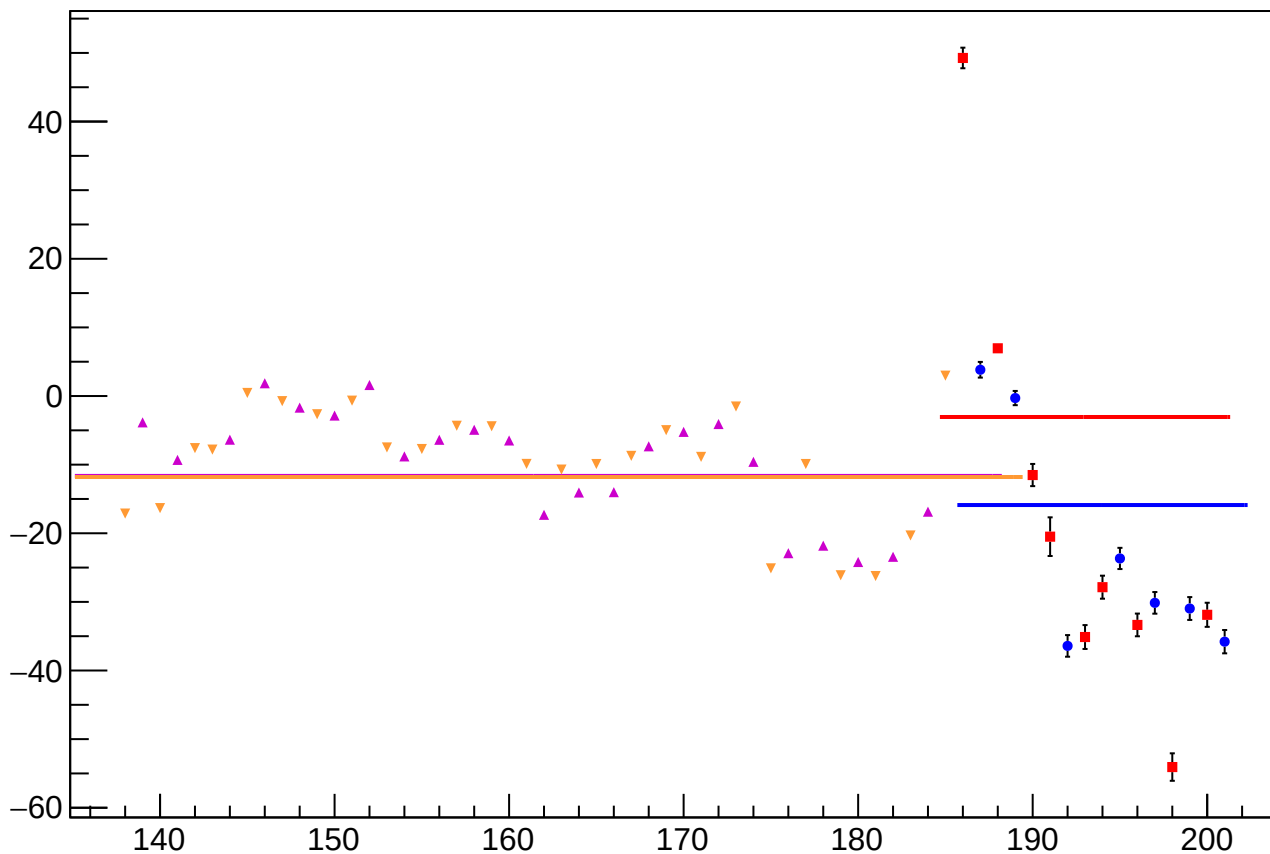
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.170 ± 0.001 χ^2/NDF : 14848.7/31

All: -0.168 ± 0.001 χ^2/NDF : 32907.9/63

- sign -0.165 ± 0.001 χ^2/NDF : 18047.6/31

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -15.885 ± 0.525 $\chi^2/\text{NDF}: 1020.0/6$

Left Out: -11.801 ± 0.070 $\chi^2/\text{NDF}: 17308.2/24$

Right Out: -3.055 ± 0.407 $\chi^2/\text{NDF}: 3443.4/8$

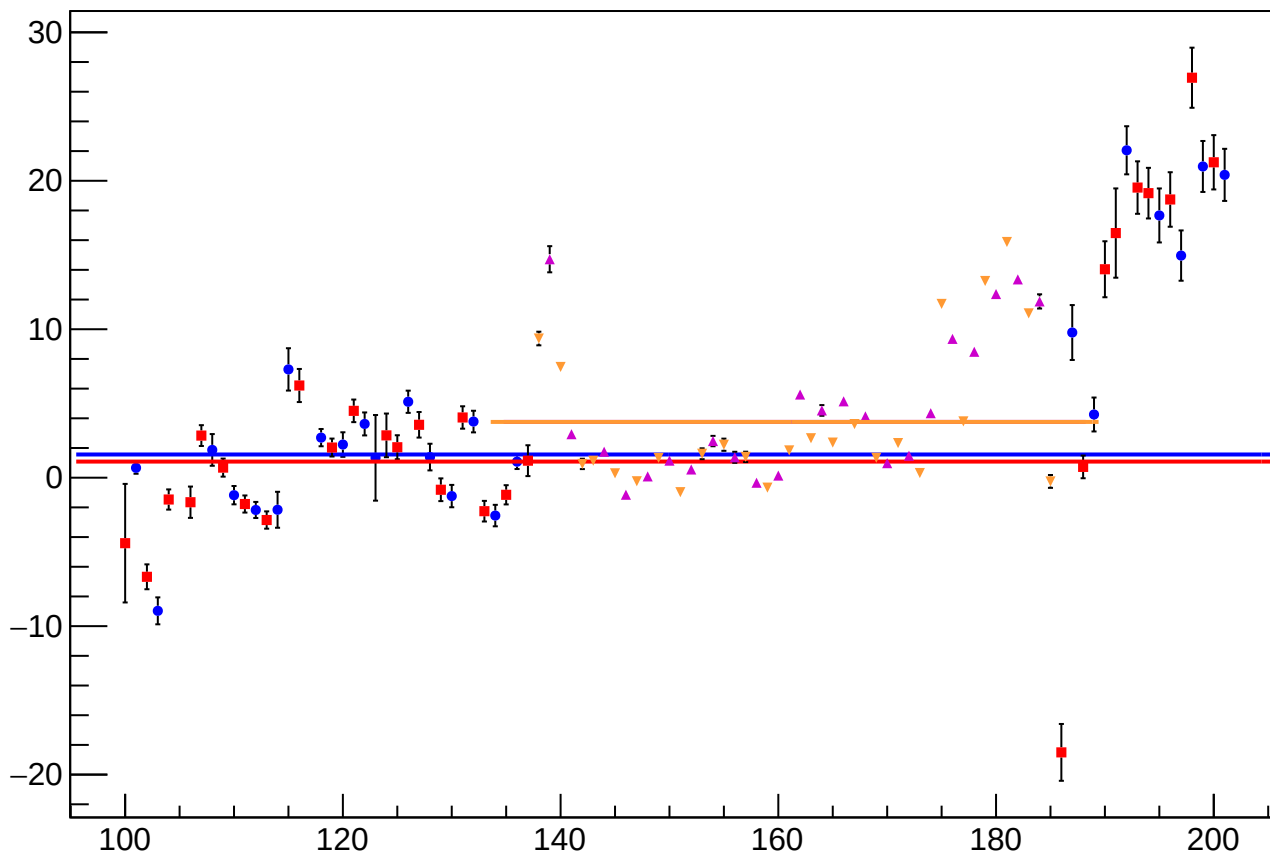
Left In: -11.642 ± 0.072 $\chi^2/\text{NDF}: 14121.2/22$

+ sign -11.873 ± 0.070 $\chi^2/\text{NDF}: 18387.6/31$

All: -11.631 ± 0.050 $\chi^2/\text{NDF}: 36409.1/63$

- sign -11.384 ± 0.070 $\chi^2/\text{NDF}: 17997.1/31$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.563 $\pm$ 0.164 χ^2 /NDF: 892.3/23

Left Out: 3.757 $\pm$ 0.056 χ^2 /NDF: 7450.7/24

Right Out: 1.086 $\pm$ 0.165 χ^2 /NDF: 1074.0/27

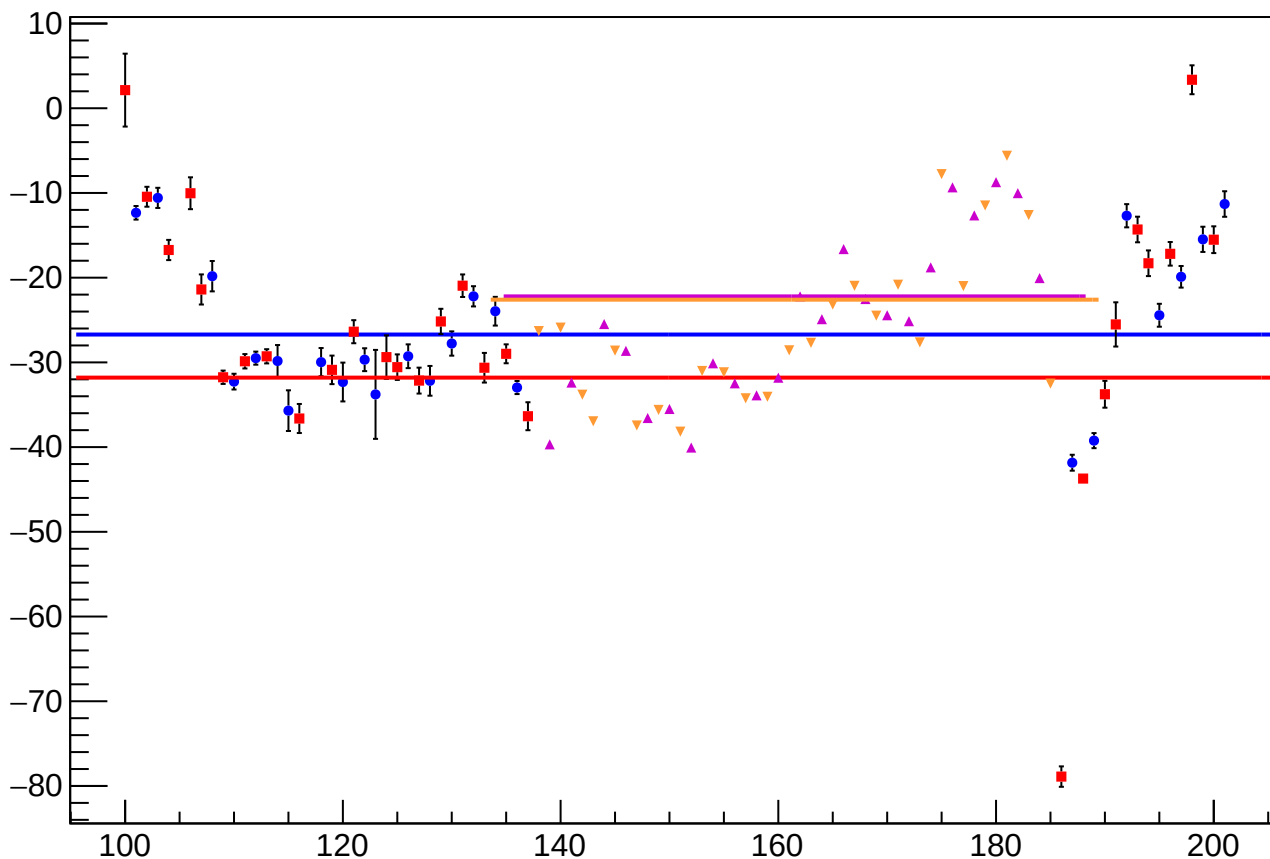
Left In: 3.757 $\pm$ 0.057 χ^2 /NDF: 5629.4/22

+ sign 3.531 $\pm$ 0.053 χ^2 /NDF: 8503.5/48

All: 3.504 $\pm$ 0.038 χ^2 /NDF: 15441.1/99

- sign 3.477 $\pm$ 0.054 χ^2 /NDF: 6937.1/50

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -26.712 ± 0.250 χ^2/NDF : 1452.4/23

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -31.798 ± 0.224 χ^2/NDF : 4004.4/27

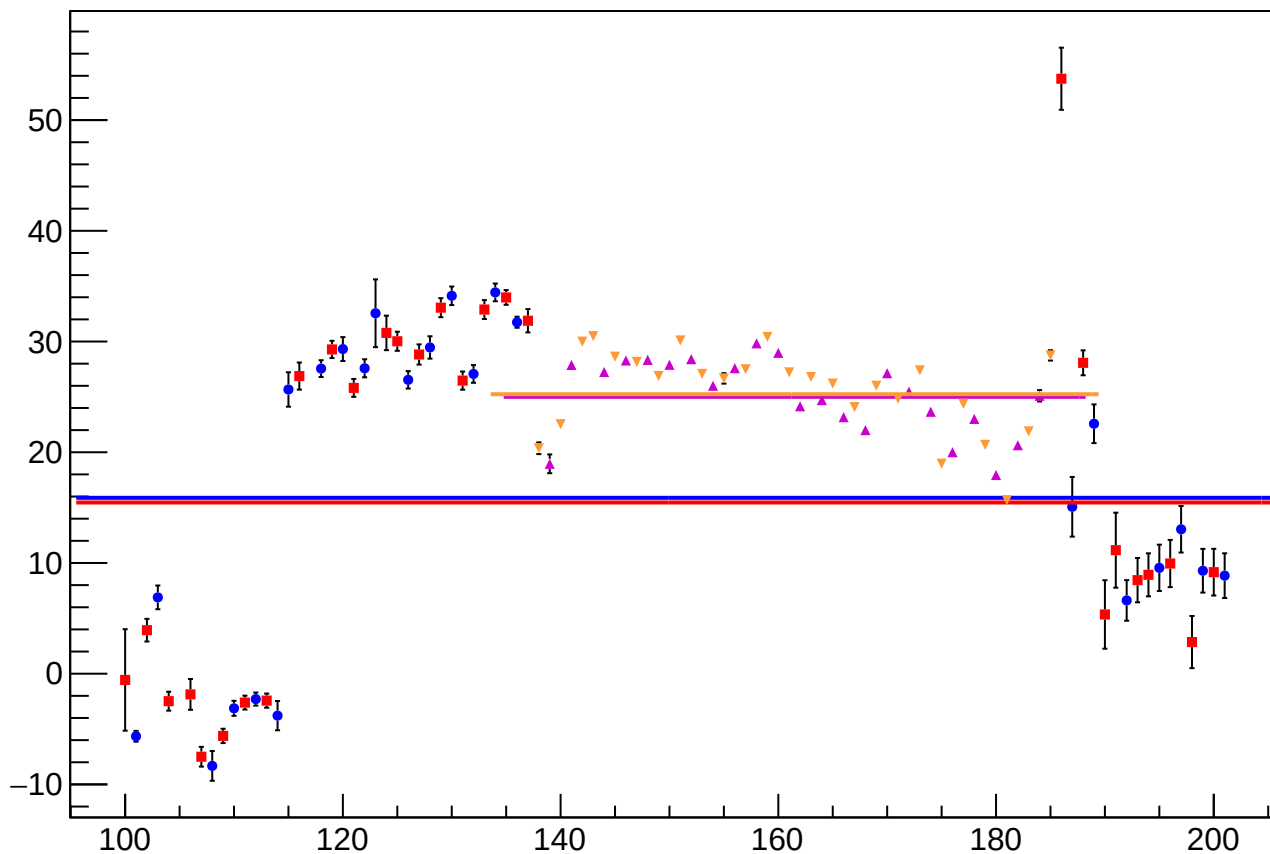
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -22.903 ± 0.068 χ^2/NDF : 21636.9/48

All: -23.000 ± 0.048 χ^2/NDF : 44936.5/99

- sign -23.098 ± 0.068 χ^2/NDF : 23295.6/50

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.886+/-0.187 χ^2/NDF : 7618.1/23

Left Out: 25.242+/-0.063 χ^2/NDF : 3786.5/24

Right Out: 15.463+/-0.189 χ^2/NDF : 7654.3/27

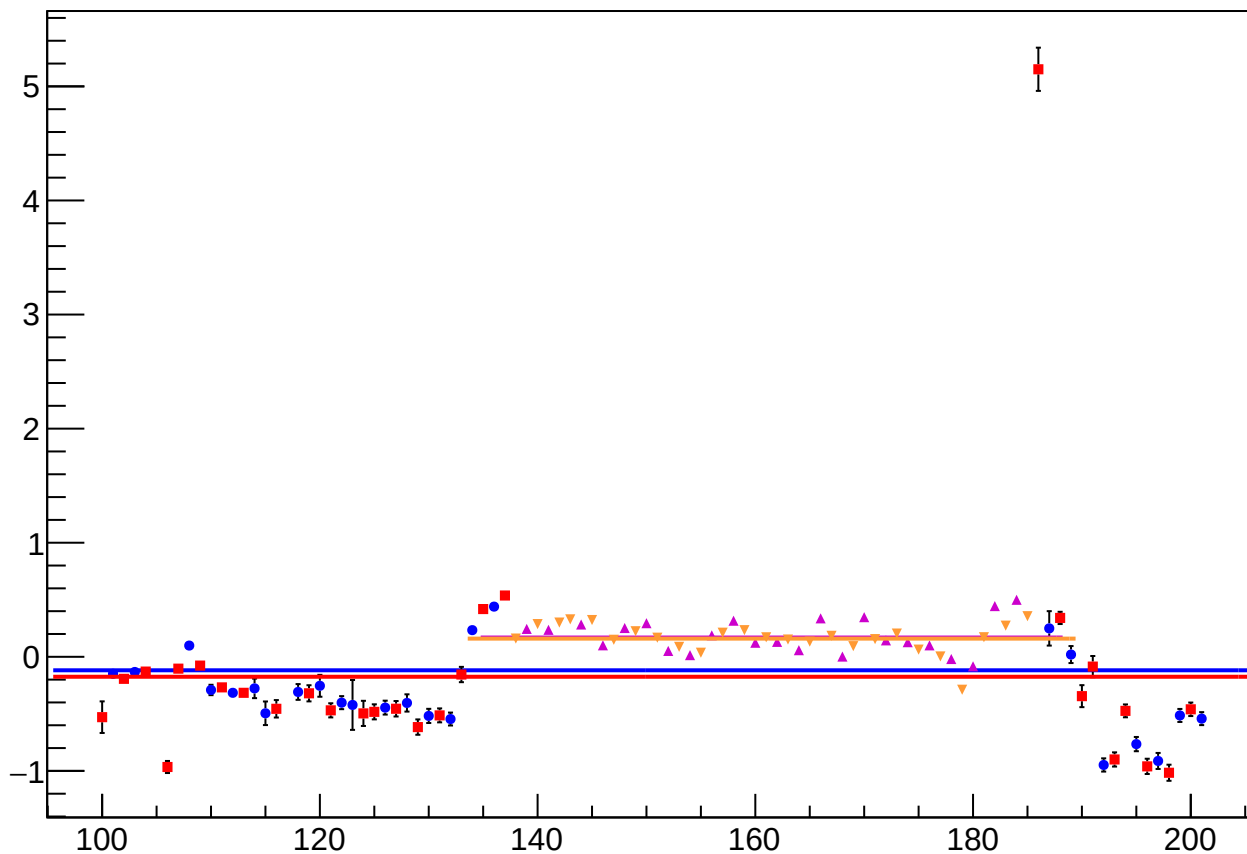
Left In: 25.009+/-0.064 χ^2/NDF : 2722.0/22

+ sign 24.294+/-0.059 χ^2/NDF : 13664.9/48

All: 24.166+/-0.042 χ^2/NDF : 26334.9/99

- sign 24.034+/-0.061 χ^2/NDF : 12660.5/50

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.118 ± 0.010 χ^2/NDF : 1630.2/23

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.175 ± 0.009 χ^2/NDF : 2530.9/27

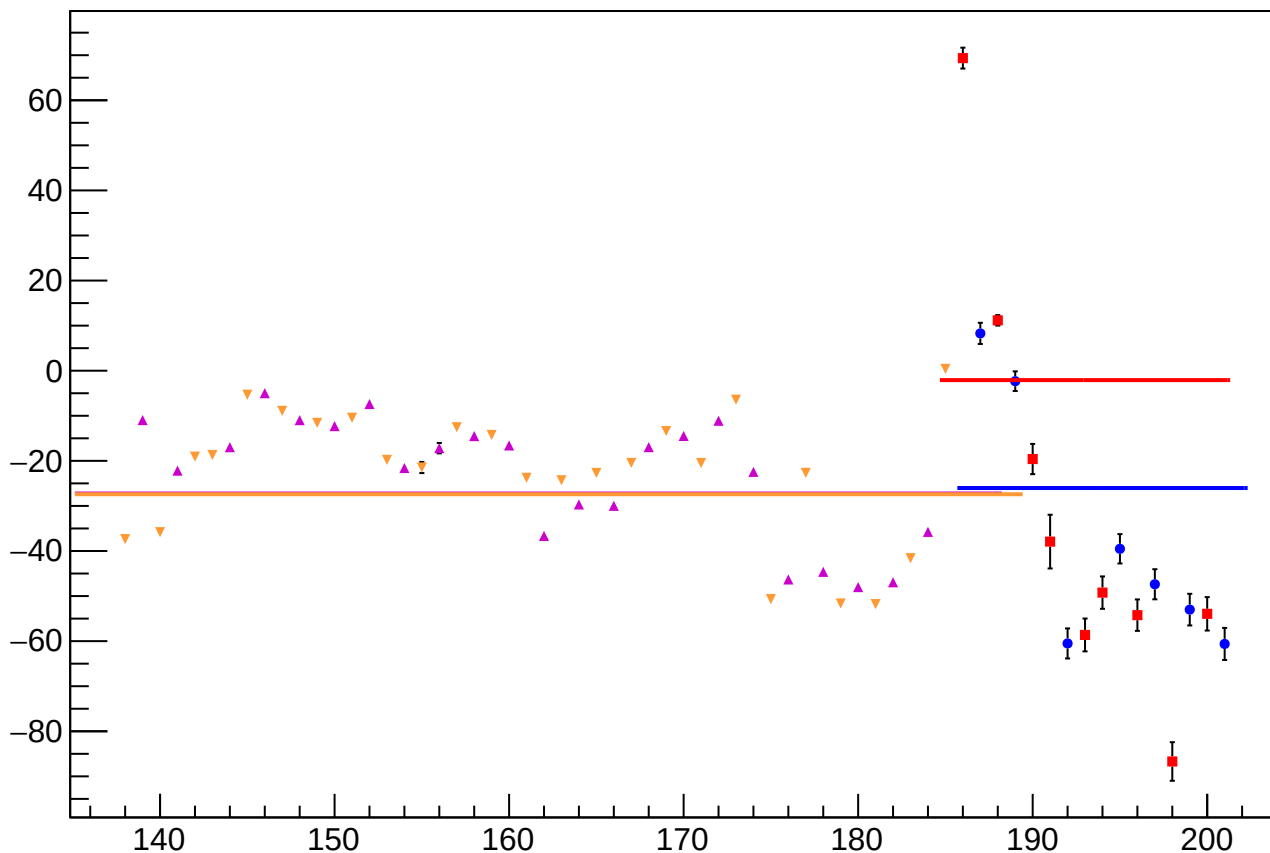
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.136 ± 0.003 χ^2/NDF : 4268.1/48

All: 0.138 ± 0.002 χ^2/NDF : 10422.6/99

- sign 0.139 ± 0.003 χ^2/NDF : 6154.0/50

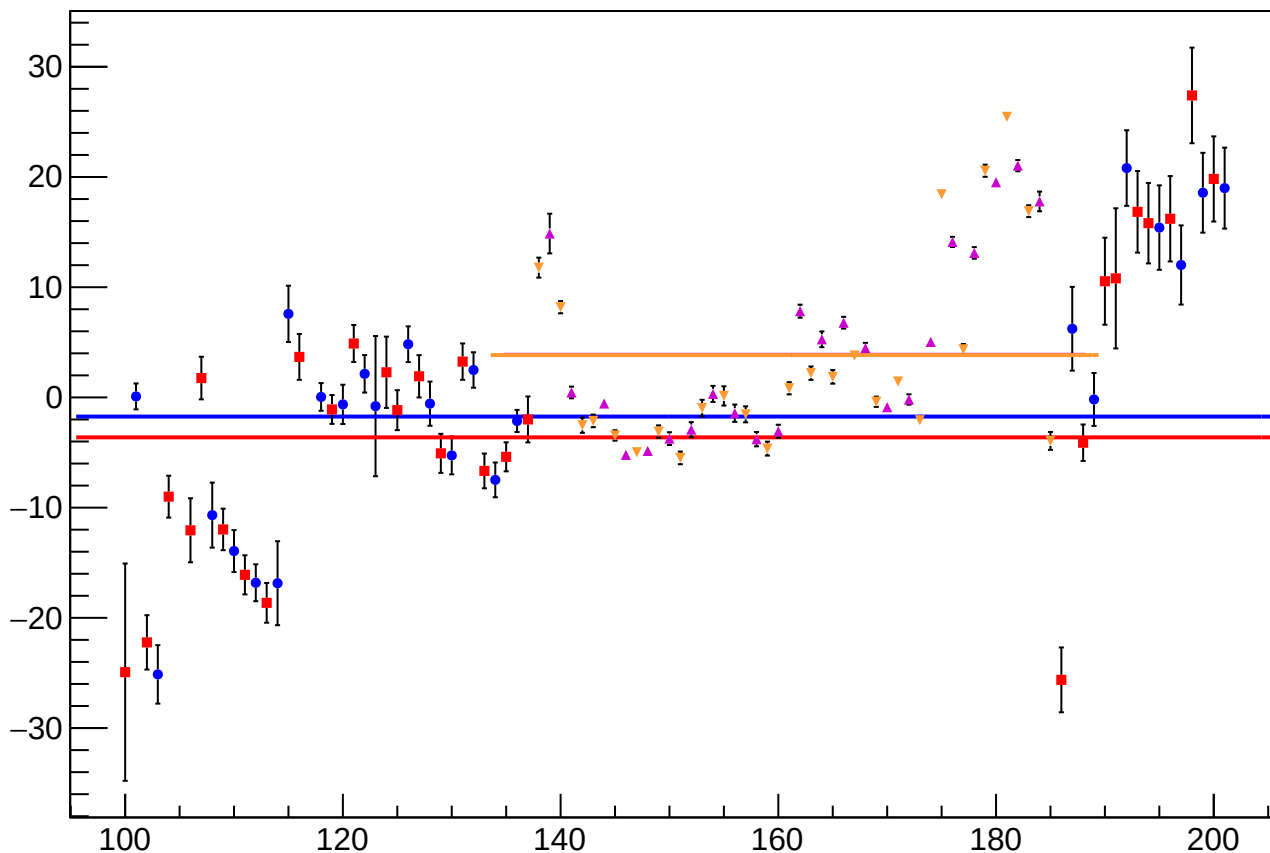
reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -26.030 ± 1.100 $\chi^2/\text{NDF}: 650.0/6$
 Left Out: -27.408 ± 0.137 $\chi^2/\text{NDF}: 14850.5/24$
 Right Out: -2.086 ± 0.843 $\chi^2/\text{NDF}: 2366.2/8$
 Left In: -27.243 ± 0.139 $\chi^2/\text{NDF}: 11305.2/22$

+ sign -27.387 ± 0.136 $\chi^2/\text{NDF}: 15502.0/31$
 All: -26.985 ± 0.097 $\chi^2/\text{NDF}: 30057.9/63$
 - sign -26.574 ± 0.137 $\chi^2/\text{NDF}: 14538.2/31$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -1.736 ± 0.391 $\chi^2/\text{NDF}: 435.8/23$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -3.623 ± 0.396 $\chi^2/\text{NDF}: 550.7/27$

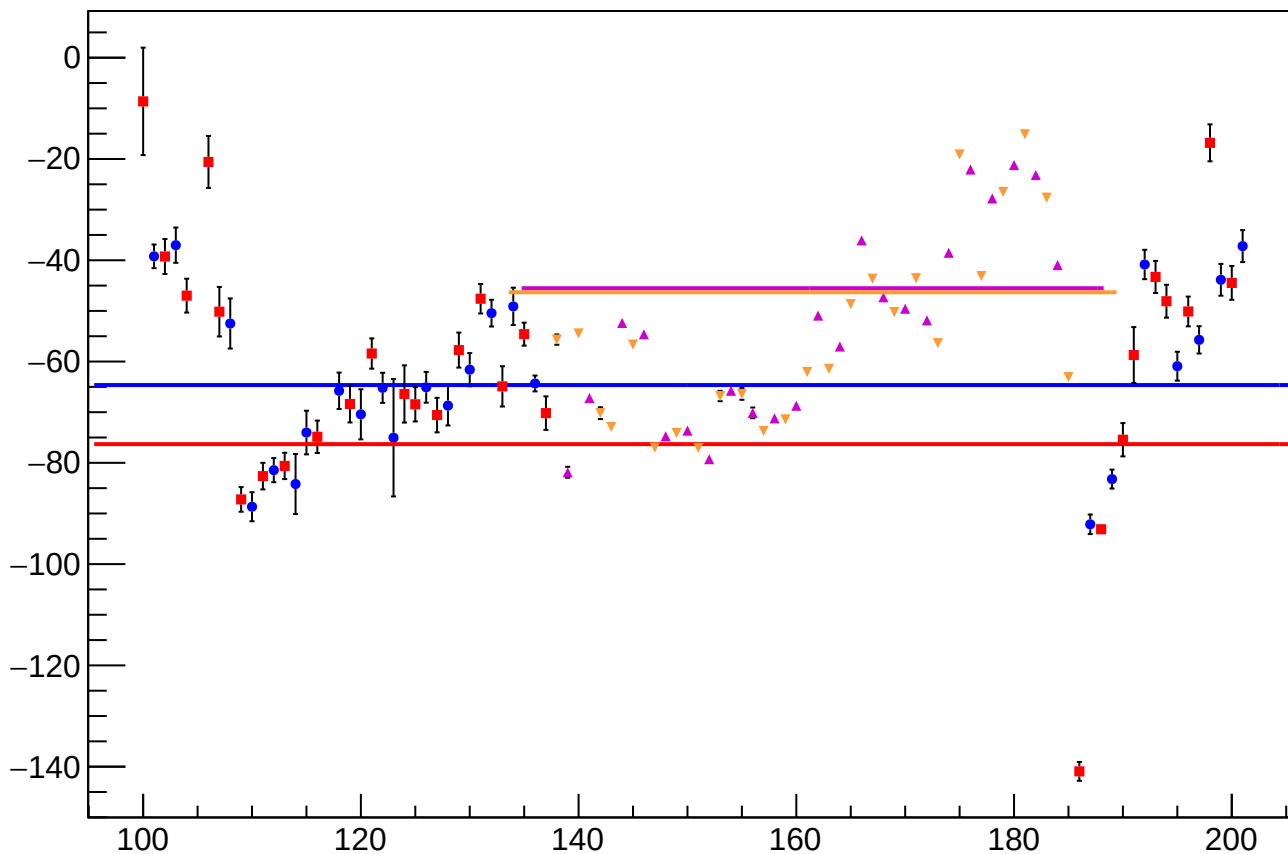
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.438 ± 0.105 $\chi^2/\text{NDF}: 7563.4/48$

All: 3.379 ± 0.075 $\chi^2/\text{NDF}: 13870.8/99$

- sign 3.318 ± 0.107 $\chi^2/\text{NDF}: 6306.8/50$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -64.643 $\pm$ 0.582 χ^2/NDF : 874.1/23

Left Out: -46.318 $\pm$ 0.138 χ^2/NDF : 20134.6/24

Right Out: -76.307 $\pm$ 0.514 χ^2/NDF : 2844.9/27

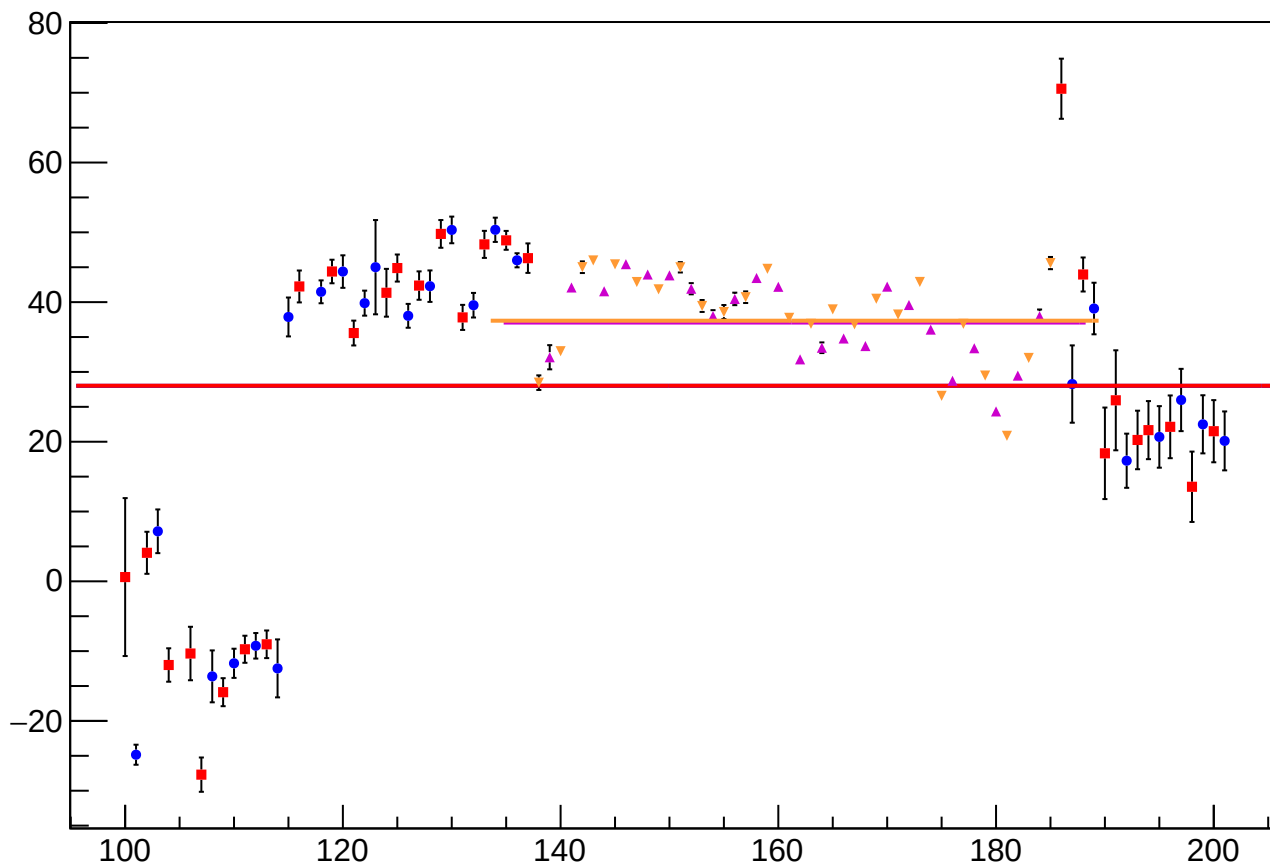
Left In: -45.522 $\pm$ 0.140 χ^2/NDF : 17525.4/22

+ sign -47.293 $\pm$ 0.134 χ^2/NDF : 21947.4/48

All: -47.467 $\pm$ 0.095 χ^2/NDF : 45666.7/99

- sign -47.644 $\pm$ 0.135 χ^2/NDF : 23715.9/50

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.007 $\pm$ 0.443 χ^2 /NDF: 3336.0/23

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.023 $\pm$ 0.453 χ^2 /NDF: 3193.6/27

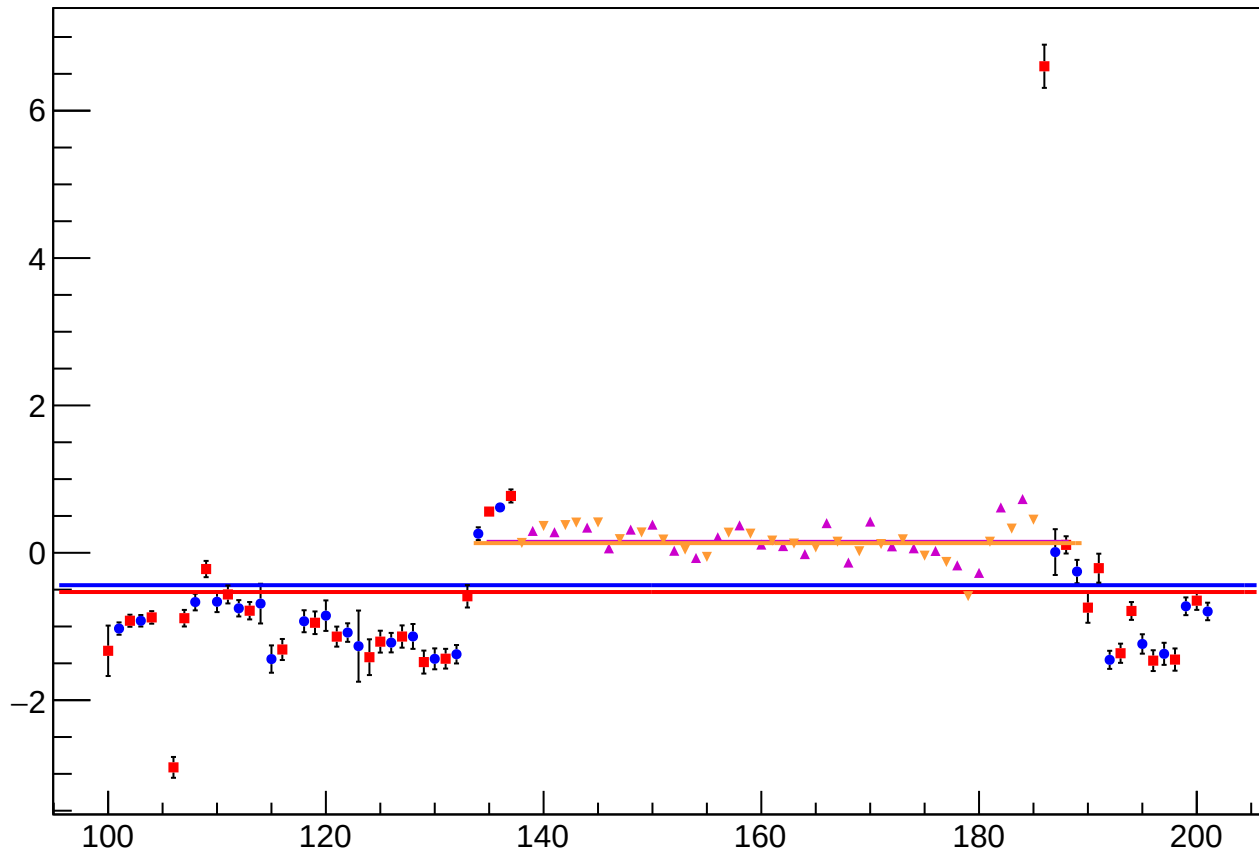
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.673 $\pm$ 0.118 χ^2 /NDF: 6897.3/48

All: 36.555 $\pm$ 0.084 χ^2 /NDF: 12860.6/99

- sign 36.433 $\pm$ 0.121 χ^2 /NDF: 5961.3/50

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.439 ± 0.023 χ^2/NDF : 1193.6/23

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.532 ± 0.023 χ^2/NDF : 1912.1/27

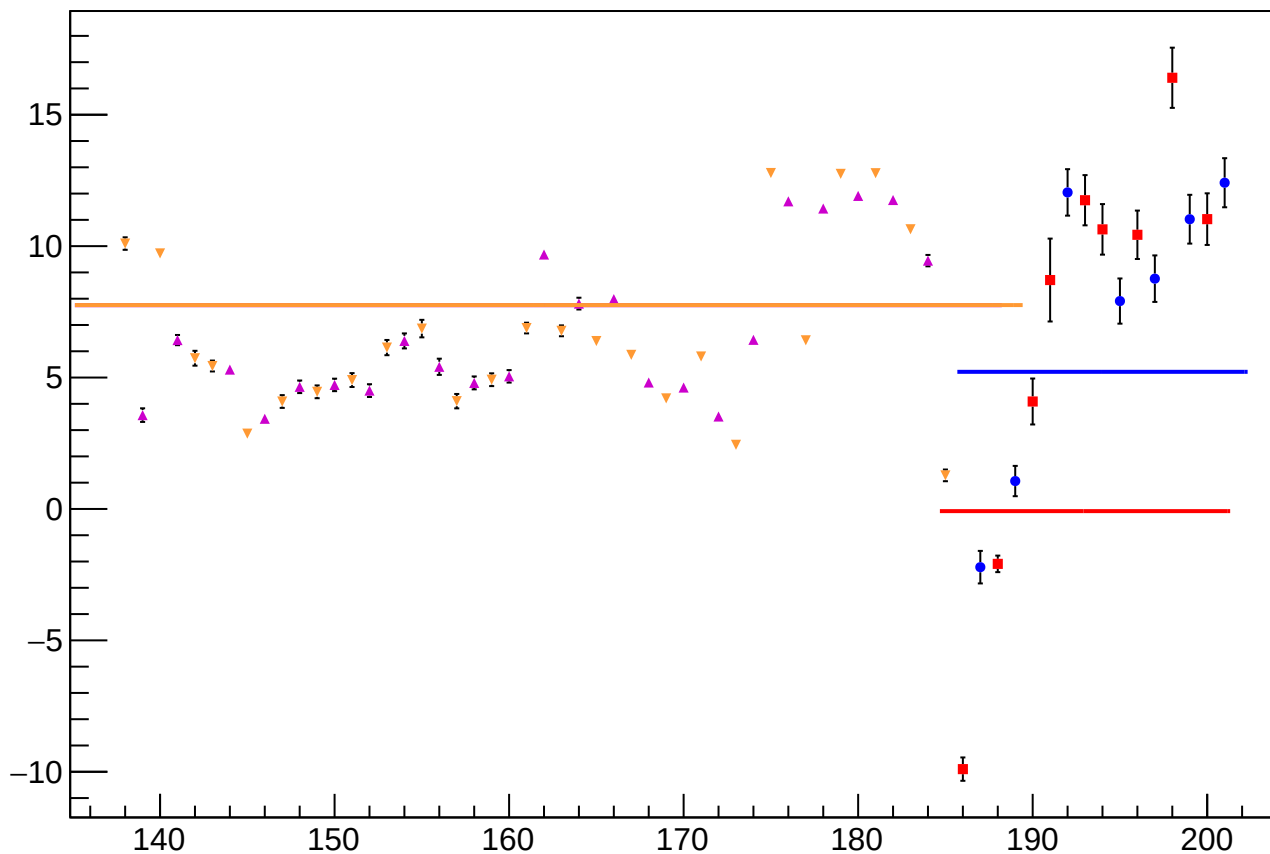
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.098 ± 0.005 χ^2/NDF : 3221.5/48

All: 0.103 ± 0.004 χ^2/NDF : 7778.0/99

- sign 0.108 ± 0.006 χ^2/NDF : 4554.7/50

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 5.218 $\pm$ 0.291 χ^2 /NDF: 380.1/6

Left Out: 7.757 $\pm$ 0.034 χ^2 /NDF:11728.6/24

Right Out: -0.082 $\pm$ 0.213 χ^2 /NDF: 1325.9/8

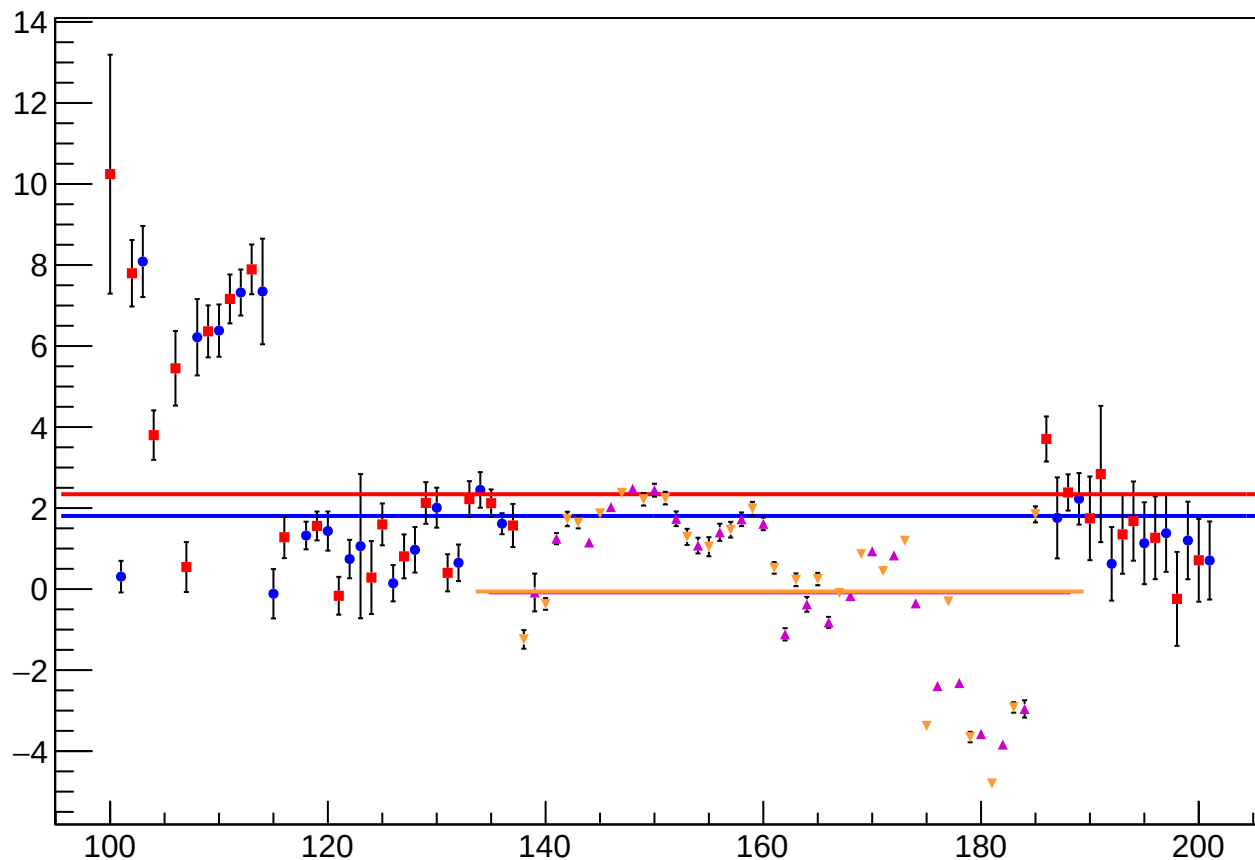
Left In: 7.753 $\pm$ 0.035 χ^2 /NDF:8345.2/22

+ sign 7.722 $\pm$ 0.034 χ^2 /NDF: 12183.9/31

All: 7.635 $\pm$ 0.024 χ^2 /NDF: 23185.1/63

- sign 7.546 $\pm$ 0.035 χ^2 /NDF: 10988.1/31

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.805 ± 0.111 χ^2/NDF : 297.9/23

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.342 ± 0.111 χ^2/NDF : 352.1/27

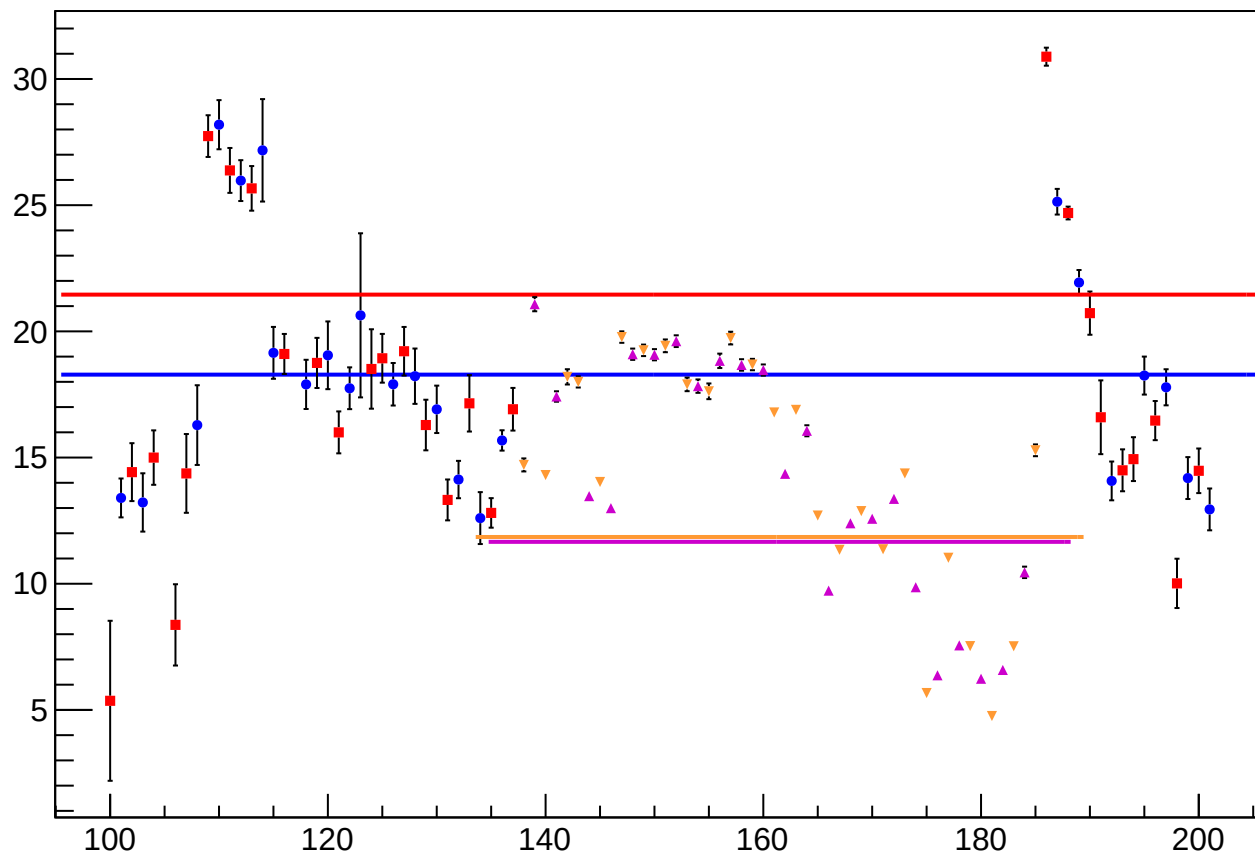
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.051 ± 0.027 χ^2/NDF : 6633.6/48

All: 0.058 ± 0.019 χ^2/NDF : 12409.8/99

- sign 0.066 ± 0.027 χ^2/NDF : 5776.1/50

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.286 ± 0.162 χ^2/NDF : 714.2/23

Left Out: 11.853 ± 0.035 χ^2/NDF : 19149.4/24

Right Out: 21.456 ± 0.138 χ^2/NDF : 2000.6/27

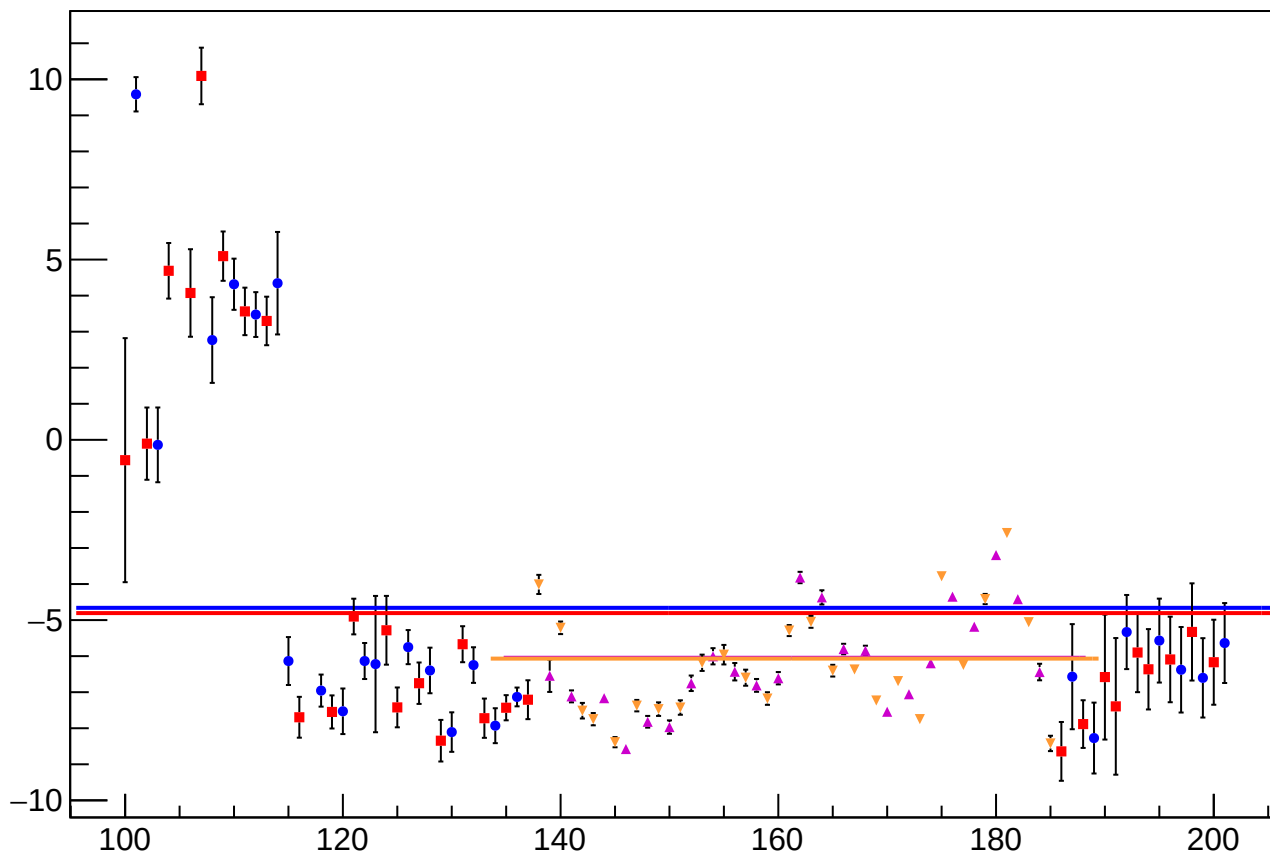
Left In: 11.660 ± 0.035 χ^2/NDF : 16710.2/22

+ sign 12.136 ± 0.034 χ^2/NDF : 21379.4/48

All: 12.198 ± 0.024 χ^2/NDF : 44846.7/99

- sign 12.260 ± 0.034 χ^2/NDF : 23460.6/50

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.660 ± 0.125 χ^2/NDF : 1606.6/23

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.806 ± 0.128 χ^2/NDF : 1399.2/27

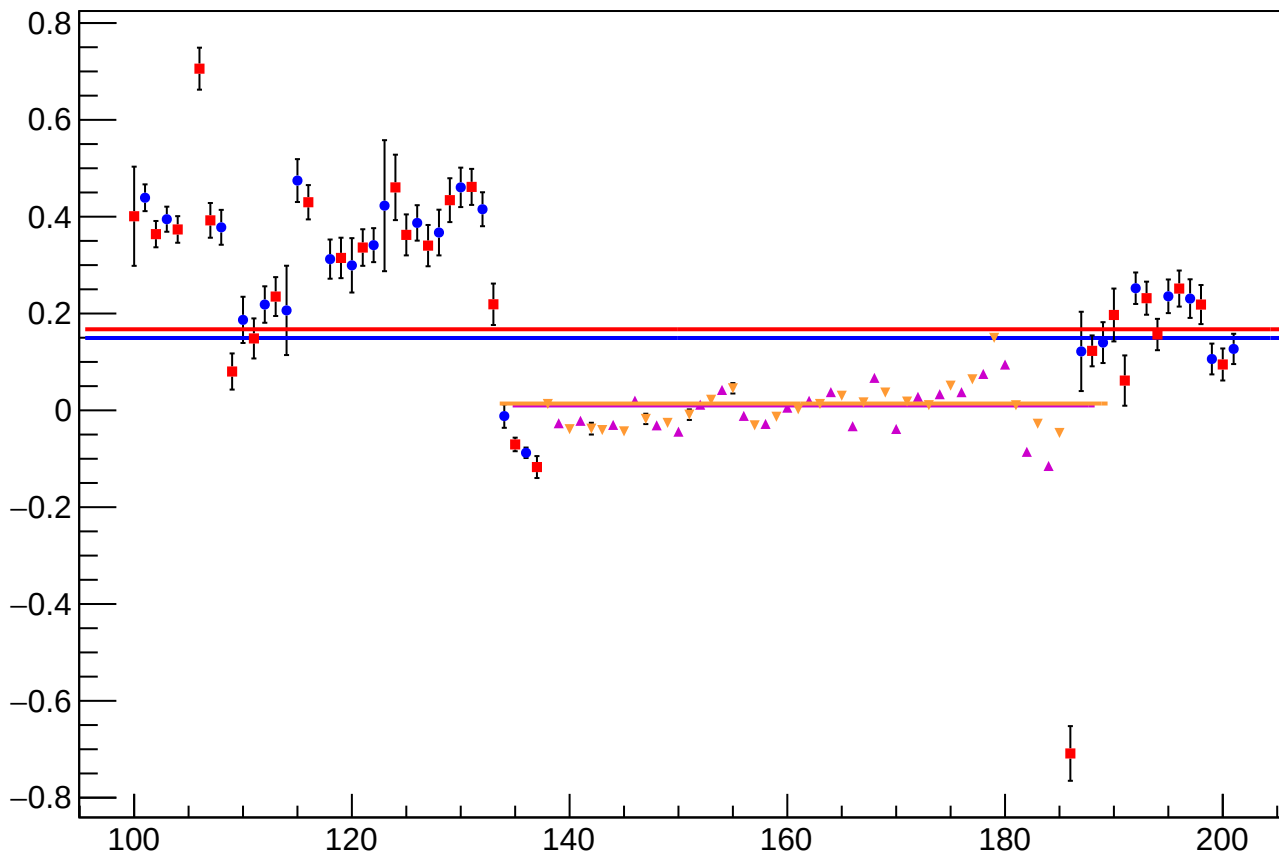
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.986 ± 0.030 χ^2/NDF : 4398.3/48

All: -5.980 ± 0.022 χ^2/NDF : 8179.7/99

- sign -5.973 ± 0.031 χ^2/NDF : 3781.3/50

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.149 ± 0.006 χ^2/NDF : 1081.6/23

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.167 ± 0.006 χ^2/NDF : 1265.6/27

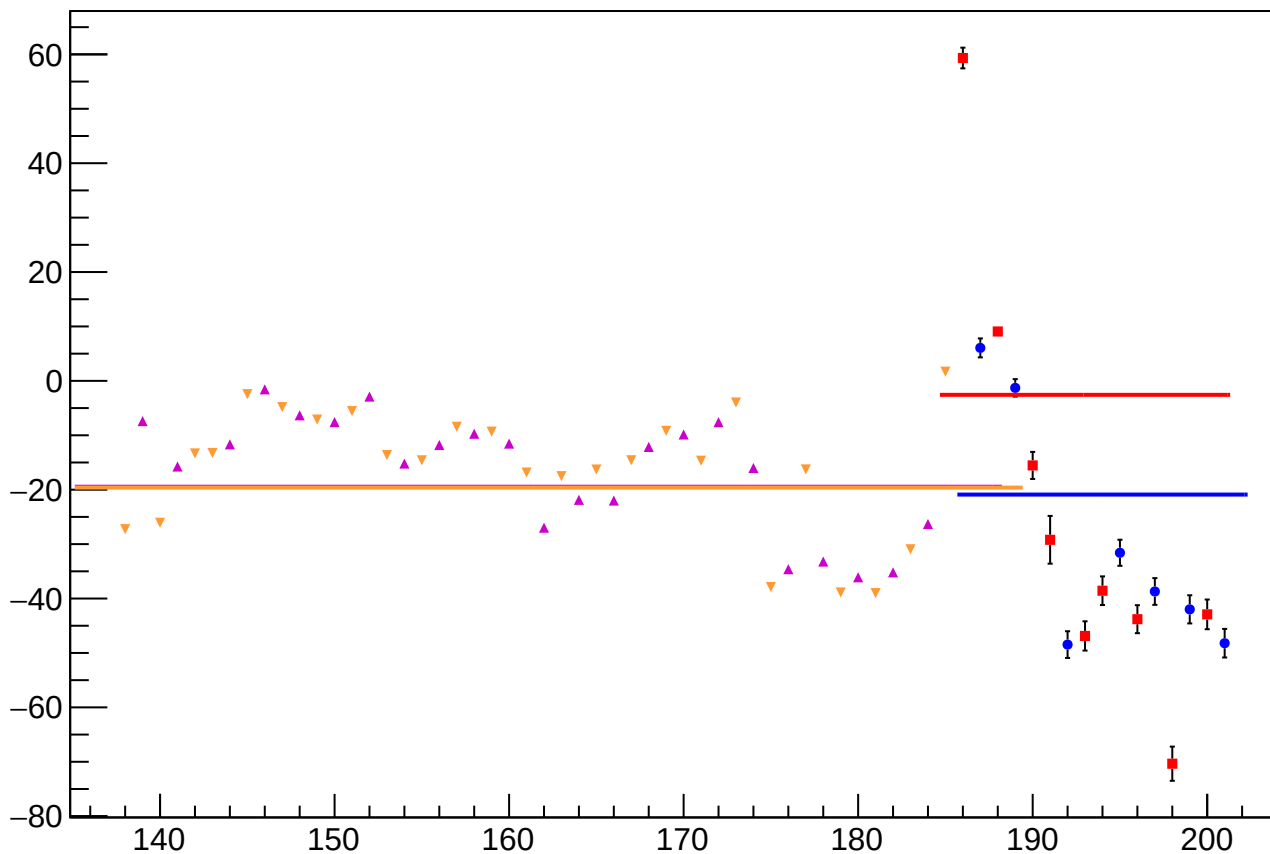
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.021 ± 0.001 χ^2/NDF : 2475.7/48

All: 0.019 ± 0.001 χ^2/NDF : 5530.8/99

- sign 0.018 ± 0.001 χ^2/NDF : 3053.1/50

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -20.896 ± 0.812 χ^2/NDF : 762.1/6

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: -2.567 ± 0.626 χ^2/NDF : 2712.6/8

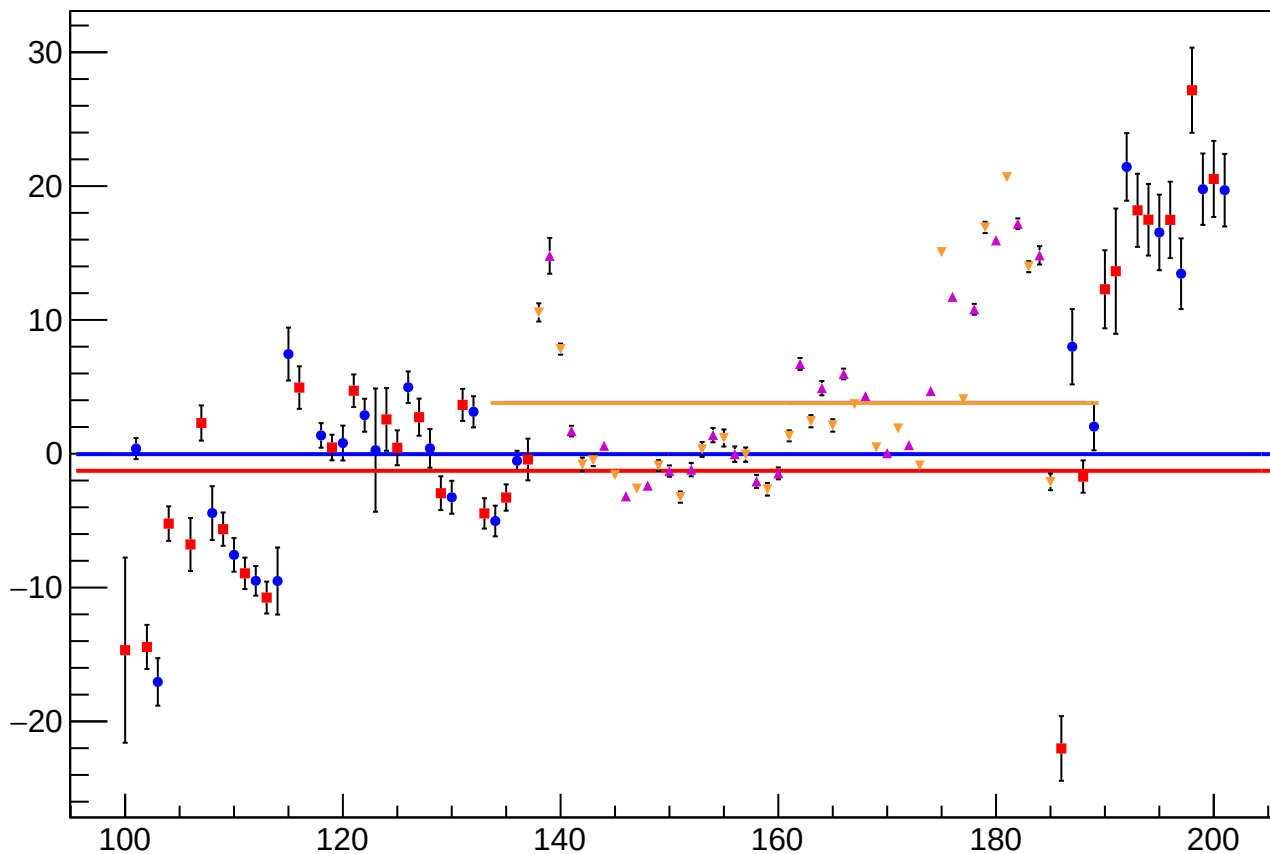
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -19.633 ± 0.102 χ^2/NDF : 16525.8/31

All: -19.314 ± 0.073 χ^2/NDF : 32248.2/63

- sign -18.988 ± 0.104 χ^2/NDF : 15702.8/31

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.030 ± 0.279 χ^2/NDF : 544.8/23

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -1.273 ± 0.282 χ^2/NDF : 684.0/27

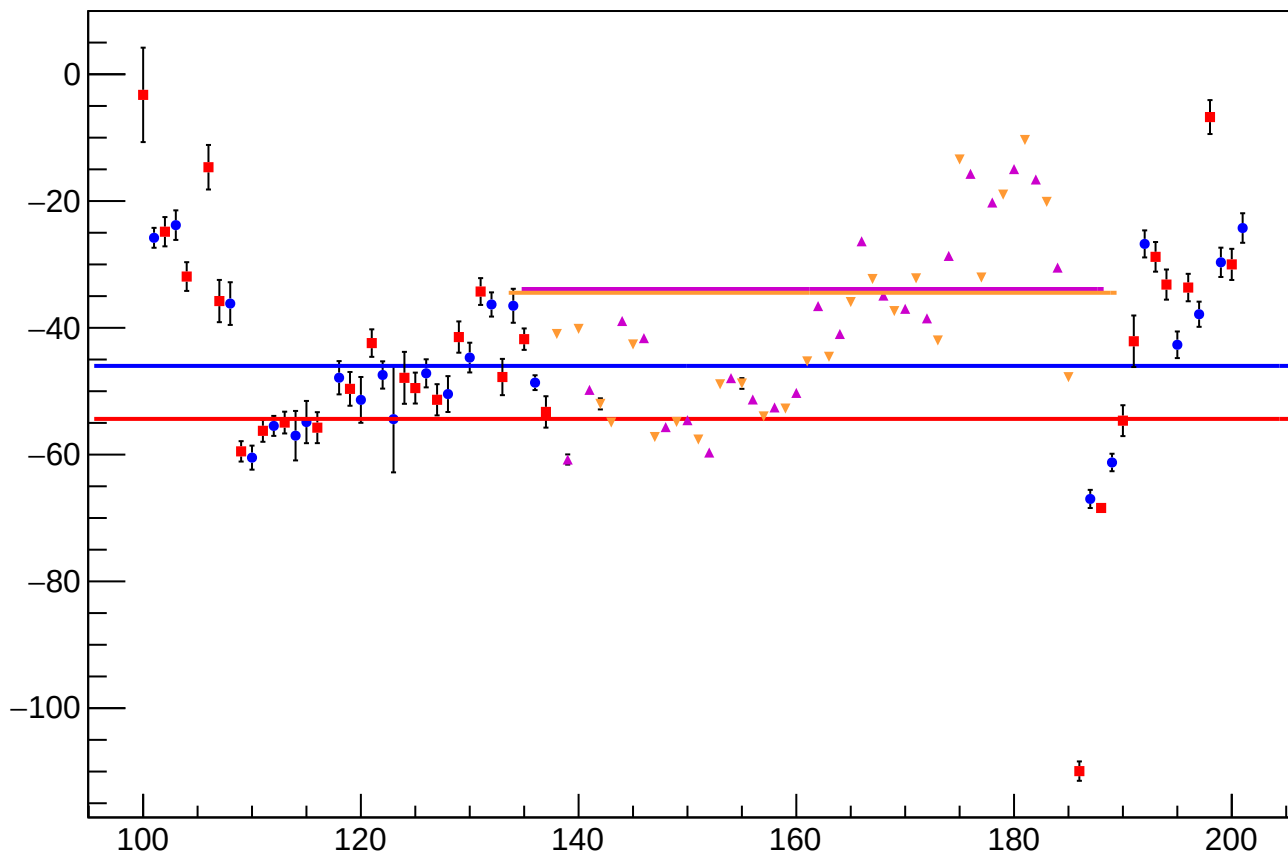
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.485 ± 0.079 χ^2/NDF : 7867.2/48

All: 3.438 ± 0.056 χ^2/NDF : 14365.8/99

- sign 3.390 ± 0.080 χ^2/NDF : 6497.8/50

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -46.006 ± 0.418 χ^2/NDF : 999.9/23

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -54.368 ± 0.372 χ^2/NDF : 3158.2/27

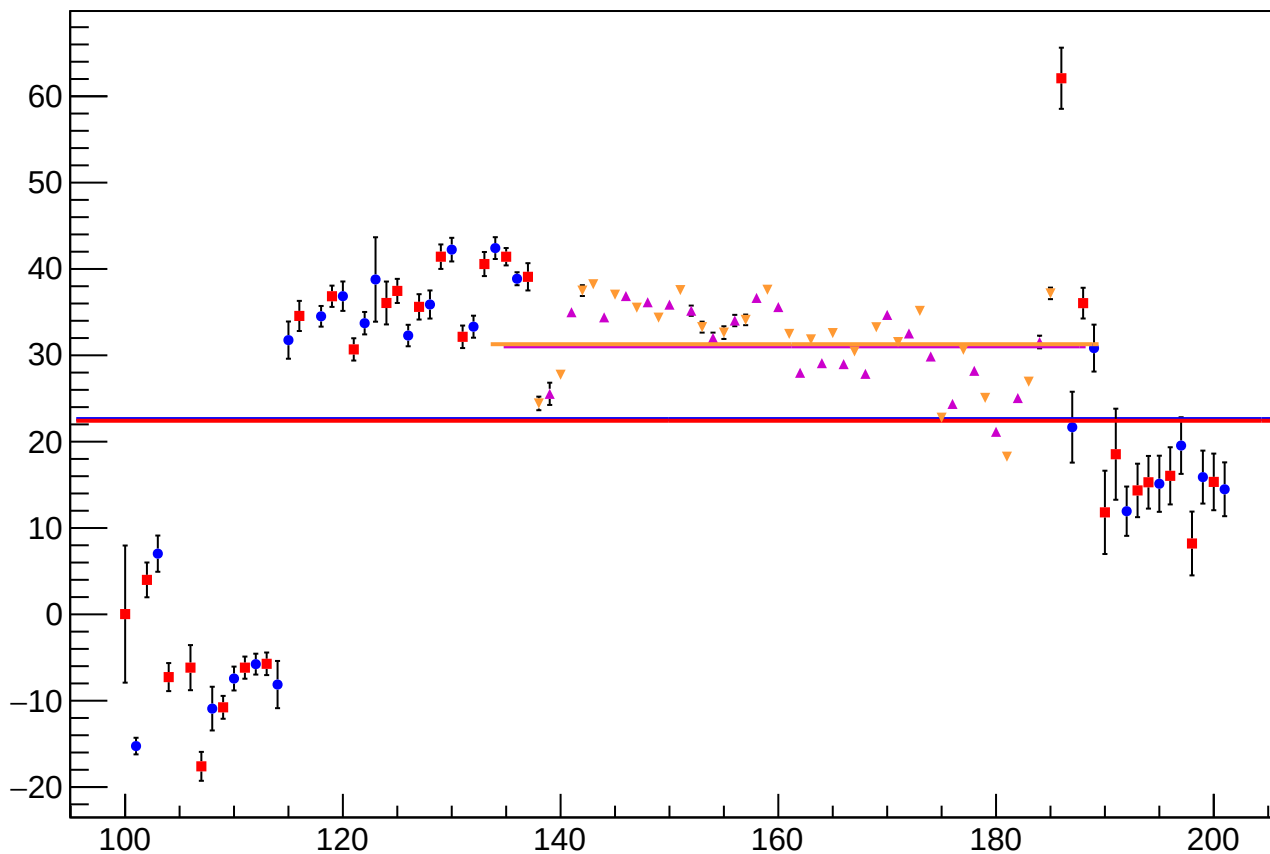
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.141 ± 0.101 χ^2/NDF : 21912.0/48

All: -35.269 ± 0.071 χ^2/NDF : 45526.1/99

- sign -35.397 ± 0.101 χ^2/NDF : 23610.9/50

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.615+/-0.317 χ^2/NDF : 4359.0/23

Left Out: 31.286+/-0.092 χ^2/NDF : 3345.7/24

Right Out: 22.423+/-0.323 χ^2/NDF : 4255.7/27

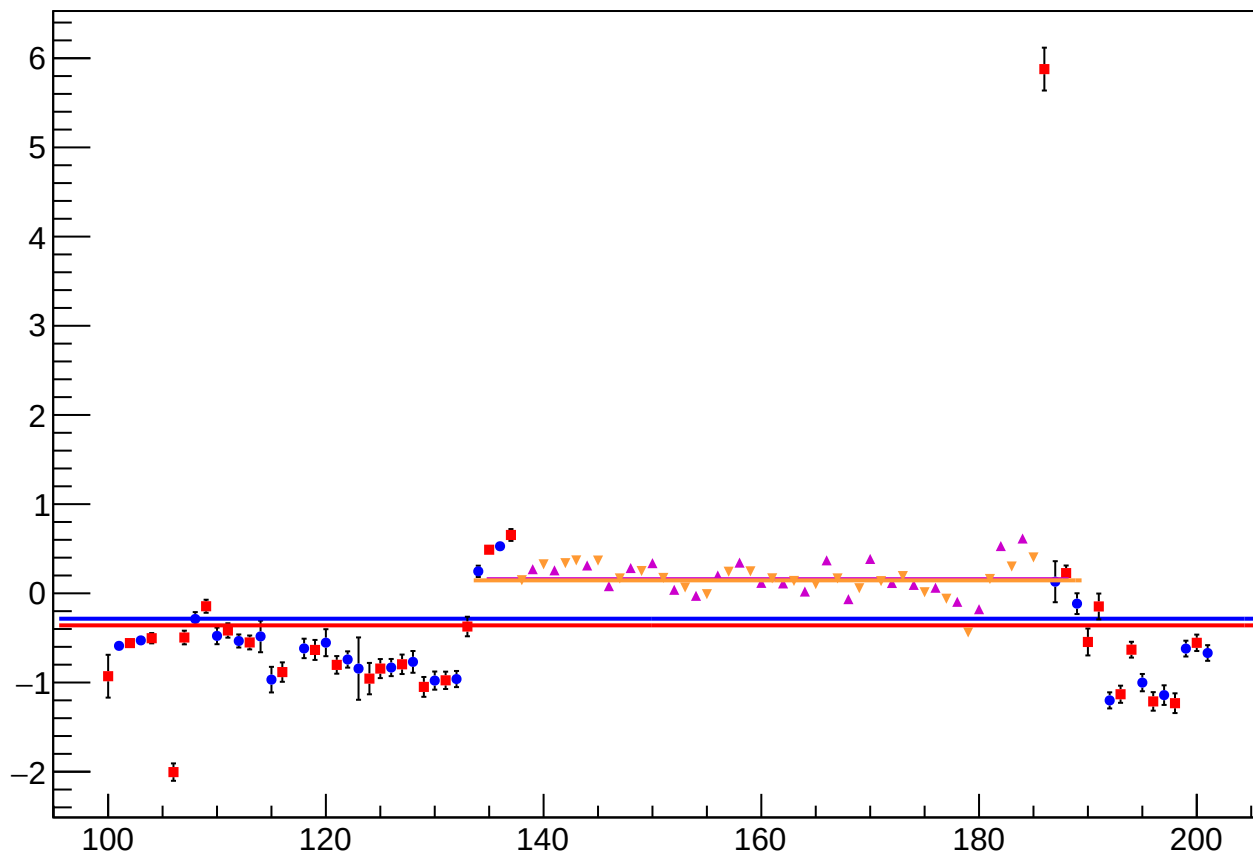
Left In: 31.039+/-0.094 χ^2/NDF : 2480.0/22

+ sign 30.606+/-0.089 χ^2/NDF : 8395.8/48

All: 30.488+/-0.063 χ^2/NDF : 15789.6/99

- sign 30.365+/-0.090 χ^2/NDF : 7390.2/50

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.285 ± 0.016 χ^2/NDF : 1286.7/23

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.359 ± 0.016 χ^2/NDF : 2110.2/27

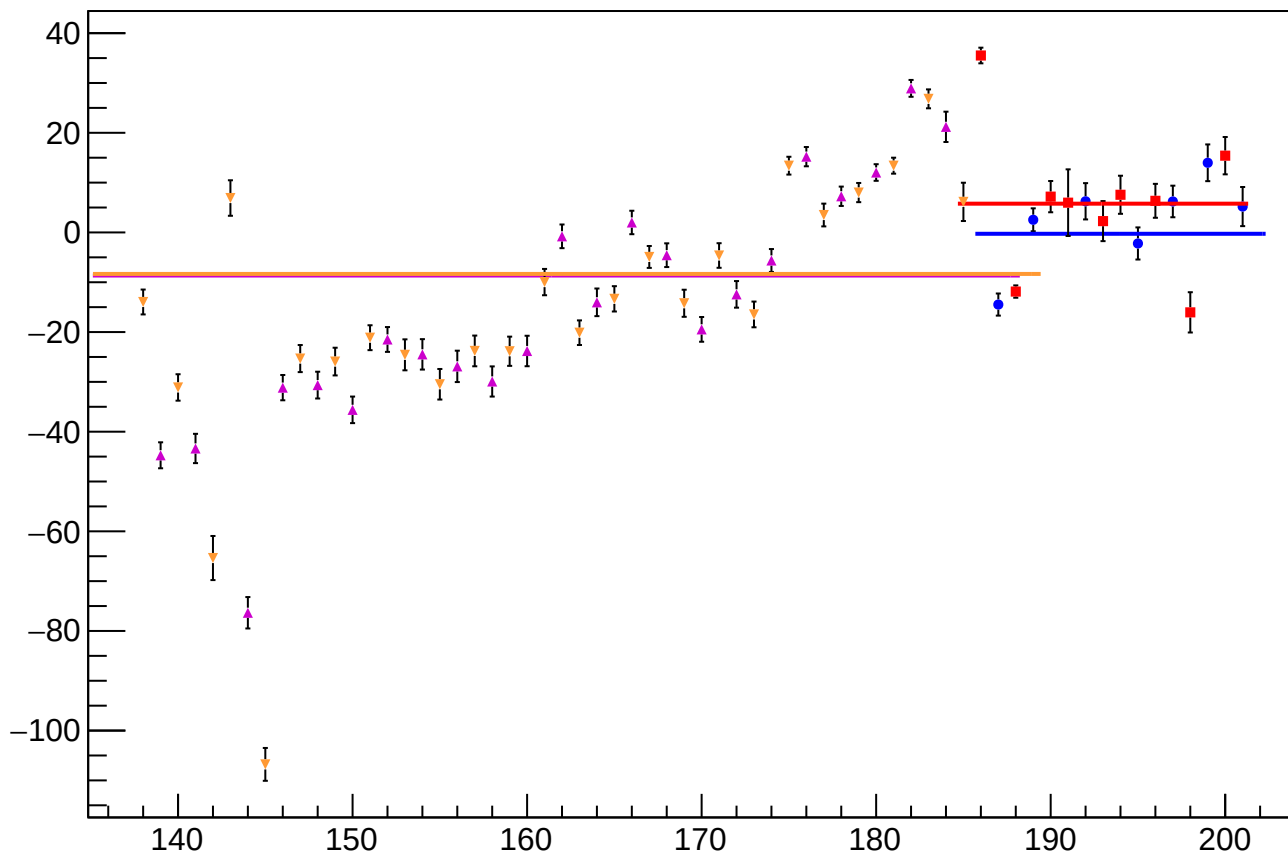
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.118 ± 0.004 χ^2/NDF : 3527.9/48

All: 0.121 ± 0.003 χ^2/NDF : 8599.2/99

- sign 0.125 ± 0.004 χ^2/NDF : 5069.9/50

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -0.272 ± 1.117 χ^2/NDF : 67.1/6

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 5.773 ± 0.809 χ^2/NDF : 598.2/8

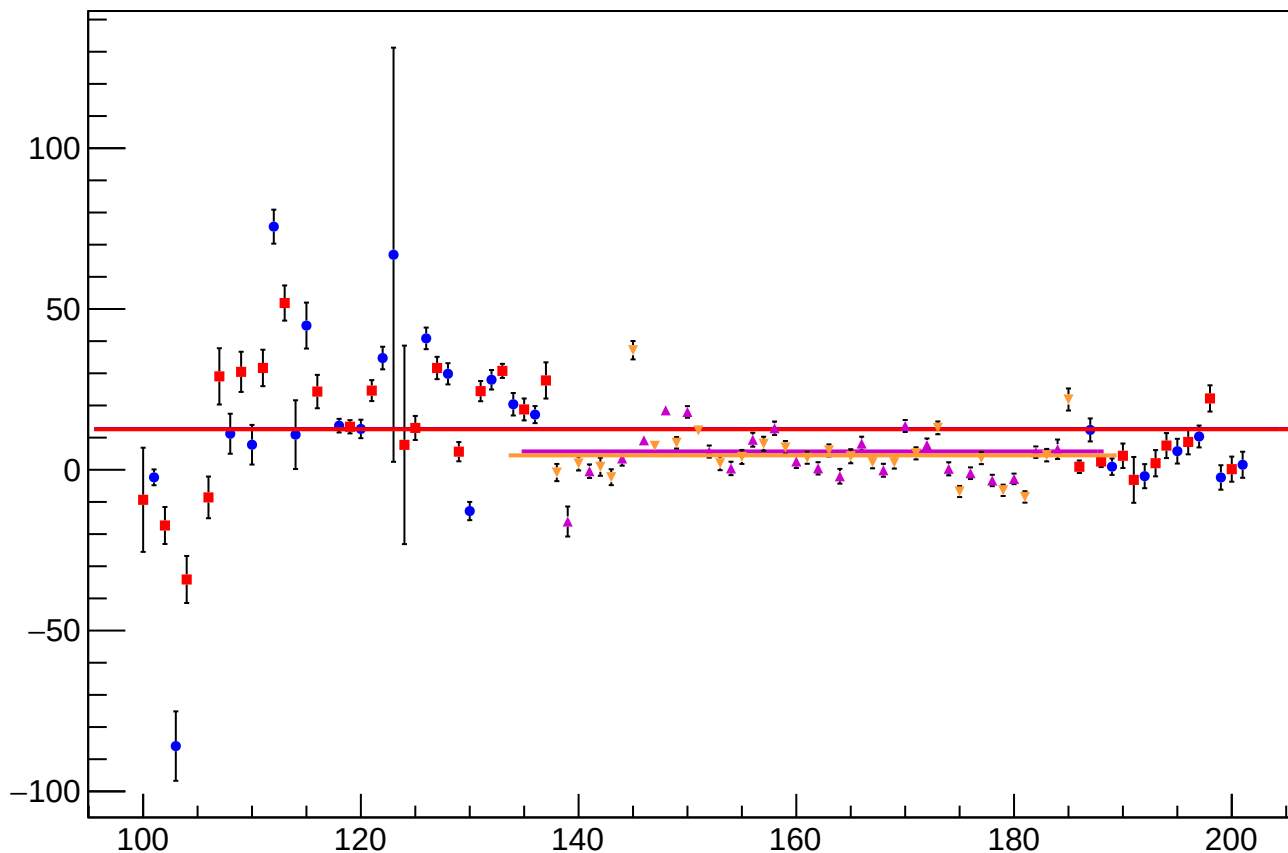
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -6.989 ± 0.456 χ^2/NDF : 2336.7/31

All: -5.712 ± 0.313 χ^2/NDF : 5401.9/63

- sign -4.578 ± 0.430 χ^2/NDF : 3050.4/31

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 12.684 ± 0.718 $\chi^2/\text{NDF}: 598.4/23$

Left Out: 4.484 ± 0.392 $\chi^2/\text{NDF}: 371.9/24$

Right Out: 12.598 ± 0.667 $\chi^2/\text{NDF}: 407.0/27$

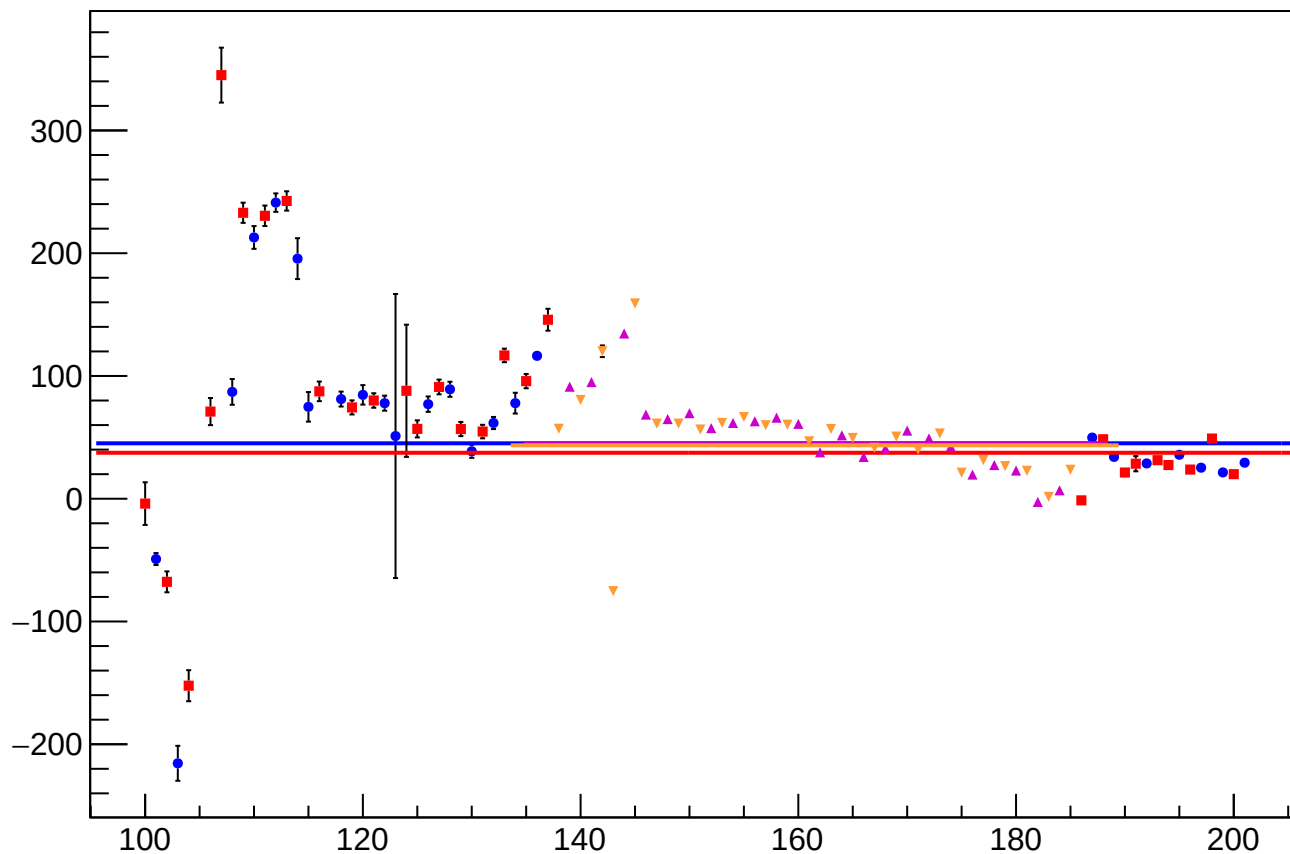
Left In: 5.705 ± 0.404 $\chi^2/\text{NDF}: 324.1/22$

+ sign 6.367 ± 0.344 $\chi^2/\text{NDF}: 1070.7/48$

All: 6.959 ± 0.244 $\chi^2/\text{NDF}: 1885.7/99$

- sign 7.556 ± 0.346 $\chi^2/\text{NDF}: 809.1/50$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 45.148 $\pm$ 0.819 χ^2 /NDF: 2527.8/23

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 37.440 $\pm$ 0.623 χ^2 /NDF: 4233.4/27

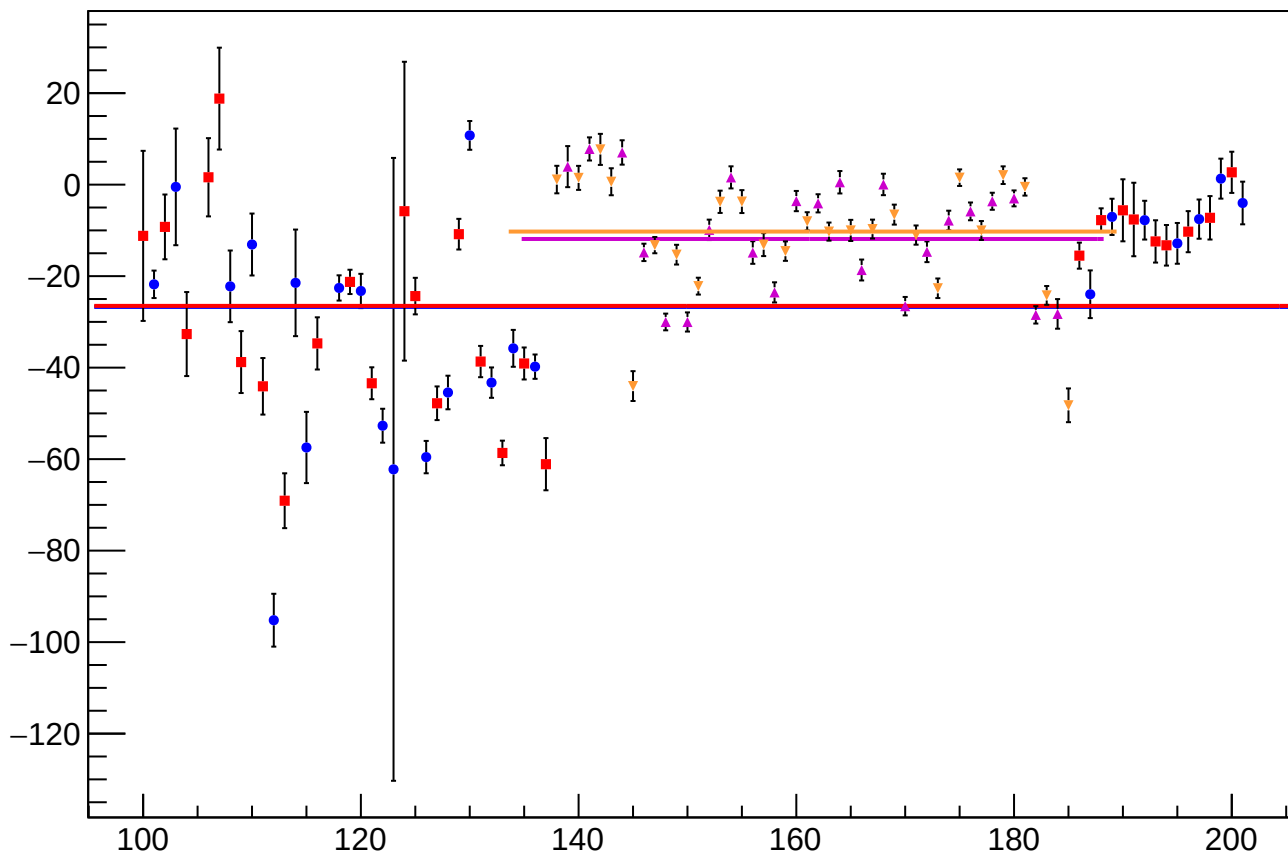
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 43.963 $\pm$ 0.426 χ^2 /NDF: 6361.4/48

All: 42.975 $\pm$ 0.288 χ^2 /NDF: 13747.1/99

- sign 42.138 $\pm$ 0.392 χ^2 /NDF: 7375.8/50

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -26.728 ± 0.847 χ^2/NDF : 668.2/23

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -26.502 ± 0.816 χ^2/NDF : 559.3/27

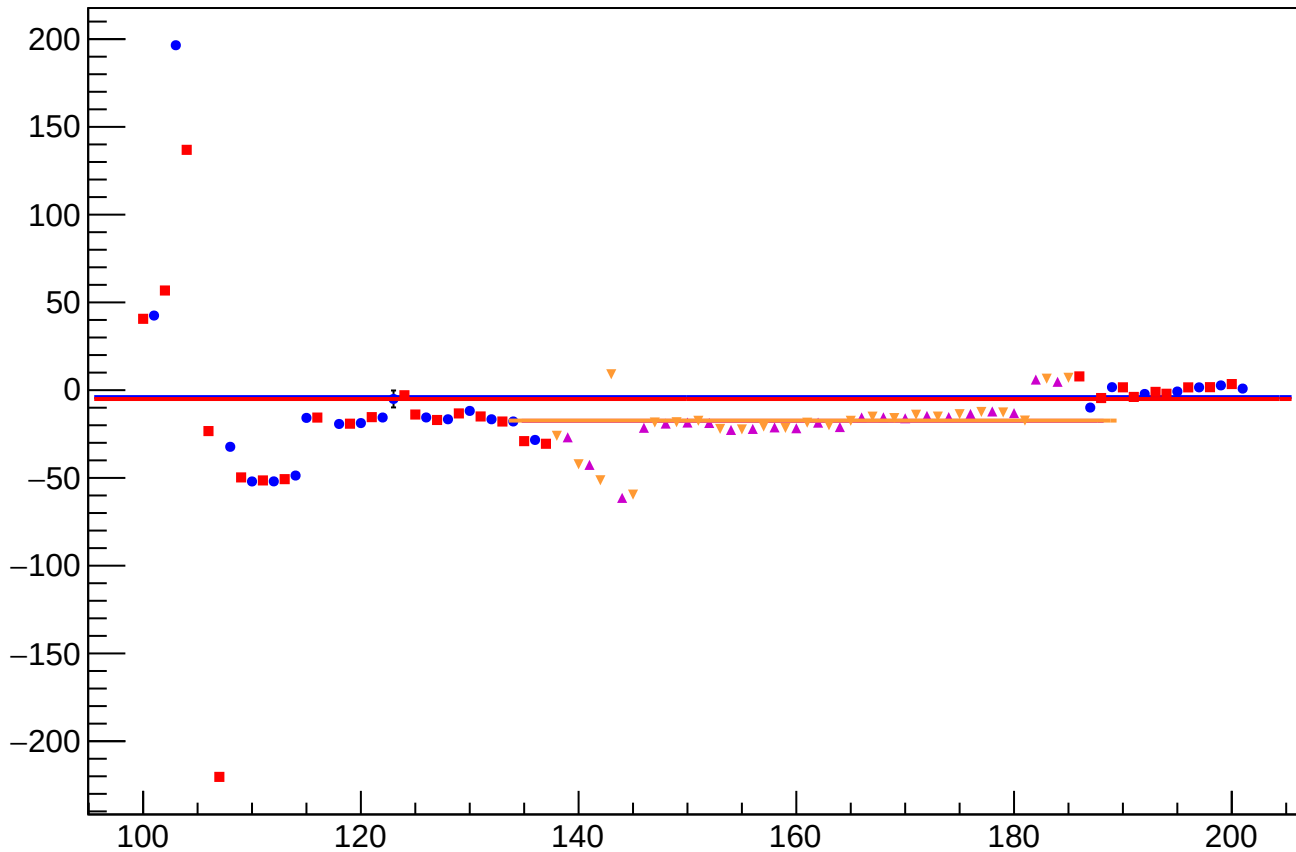
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.809 ± 0.393 χ^2/NDF : 1517.0/48

All: -14.574 ± 0.280 χ^2/NDF : 2994.9/99

- sign -15.357 ± 0.398 χ^2/NDF : 1470.3/50

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -3.963 ± 0.041 $\chi^2/\text{NDF}: 589486.2/23$

Left Out: -17.333 ± 0.020 $\chi^2/\text{NDF}: 325197.2/24$

Right Out: -5.049 ± 0.039 $\chi^2/\text{NDF}: 590457.9/27$

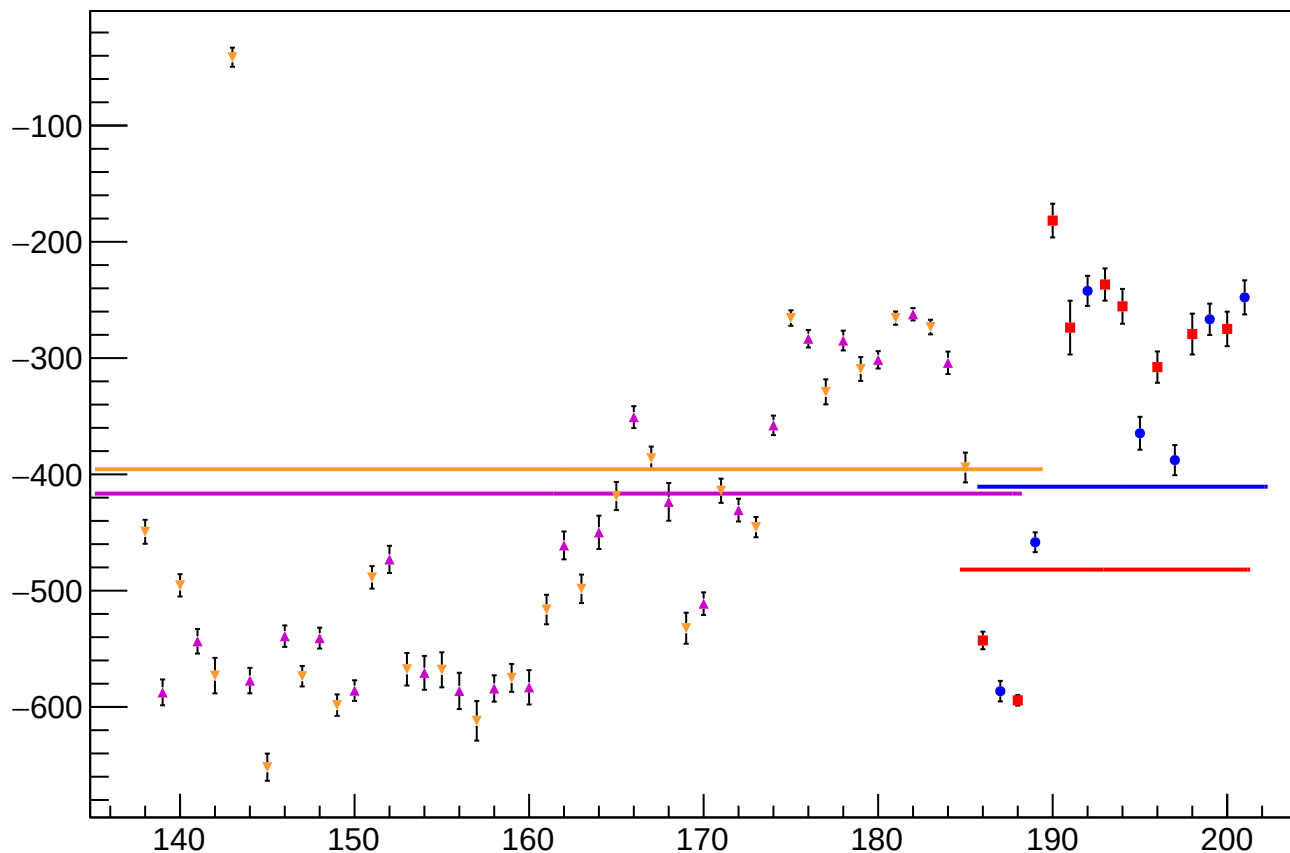
Left In: -17.491 ± 0.021 $\chi^2/\text{NDF}: 259215.8/22$

+ sign -14.642 ± 0.018 $\chi^2/\text{NDF}: 1001124.5/48$

All: -14.703 ± 0.013 $\chi^2/\text{NDF}: 1930184.1/99$

- sign -14.764 ± 0.018 $\chi^2/\text{NDF}: 929037.2/50$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -410.594 ± 4.315 χ^2/NDF : 848.9/6

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -481.875 ± 3.214 χ^2/NDF : 2239.2/8

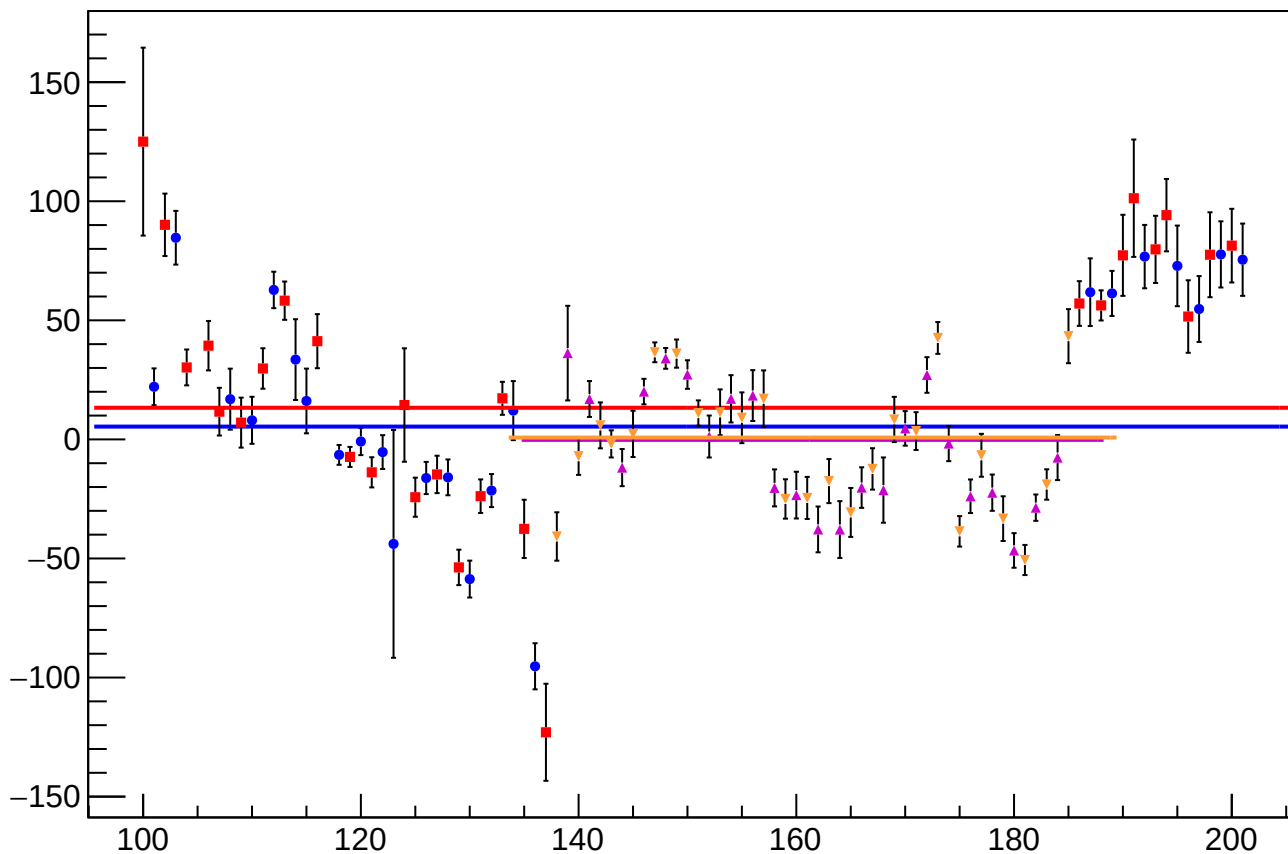
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -398.106 ± 1.780 χ^2/NDF : 6805.5/31

All: -417.297 ± 1.230 χ^2/NDF : 13481.9/63

- sign -434.829 ± 1.701 χ^2/NDF : 6453.9/31

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 5.377 ± 1.798 χ^2/NDF : 493.6/23

Left Out: 0.767 ± 1.503 χ^2/NDF : 350.1/24

Right Out: 13.282 ± 1.729 χ^2/NDF : 526.8/27

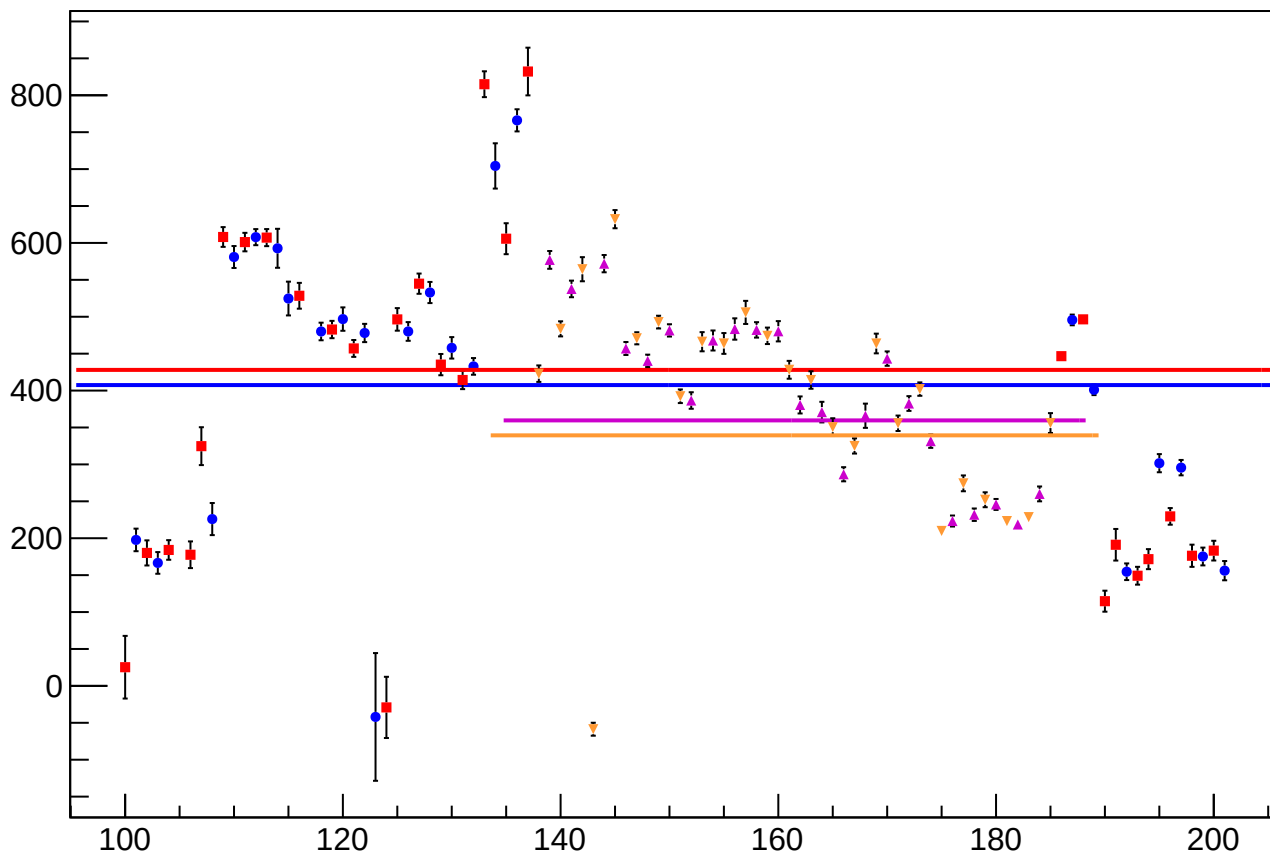
Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

+ sign 2.663 ± 1.153 χ^2/NDF : 847.5/48

All: 4.273 ± 0.819 χ^2/NDF : 1672.3/99

- sign 5.914 ± 1.164 χ^2/NDF : 820.8/50

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 407.458 ± 2.590 $\chi^2/\text{NDF}: 3584.0/23$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 428.014 ± 2.126 $\chi^2/\text{NDF}: 5246.6/27$

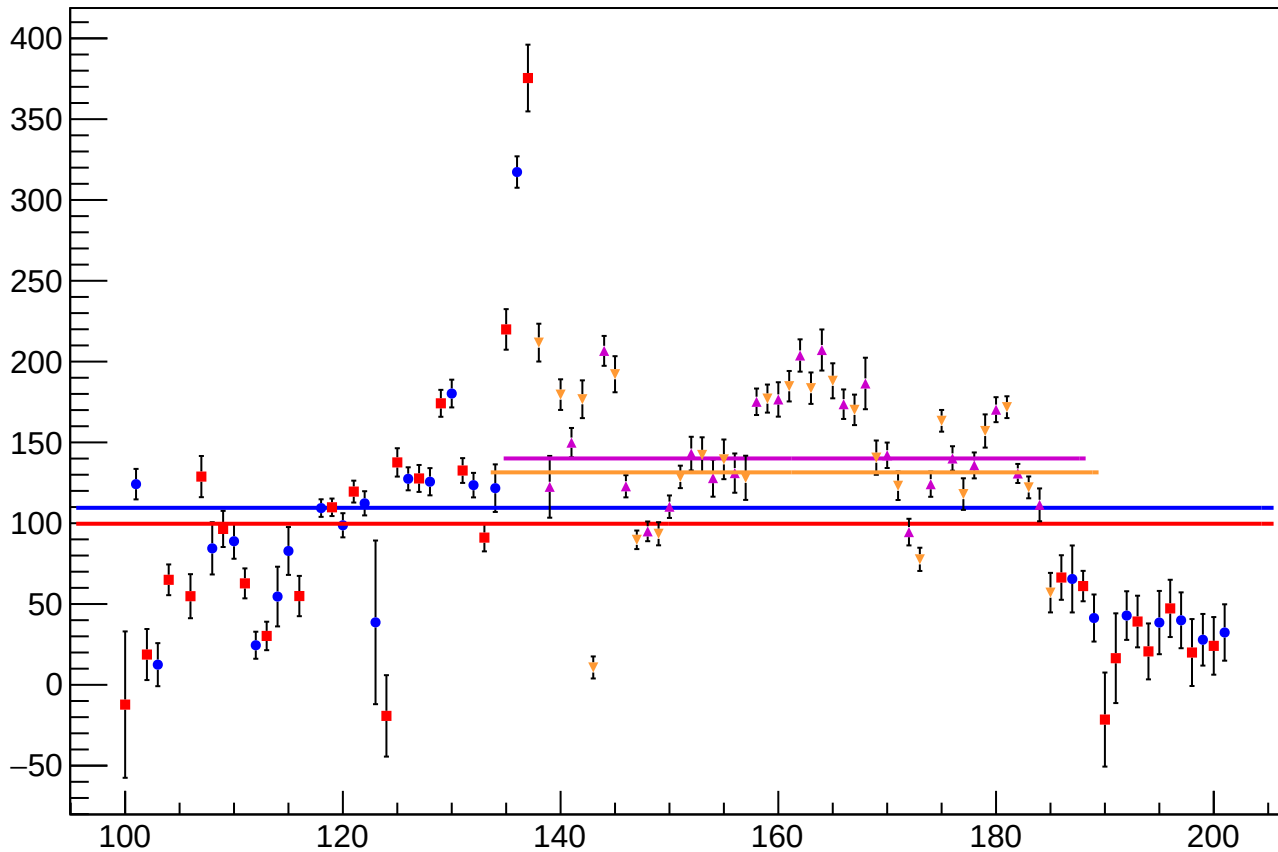
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 364.193 ± 1.564 $\chi^2/\text{NDF}: 9525.6/48$

All: 378.955 ± 1.066 $\chi^2/\text{NDF}: 18885.6/99$

- sign 391.773 ± 1.458 $\chi^2/\text{NDF}: 9193.7/50$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 109.528 ± 2.105 χ^2/NDF : 840.7/23

Left Out: 131.464 ± 1.728 χ^2/NDF : 809.3/24

Right Out: 99.674 ± 2.042 χ^2/NDF : 712.4/27

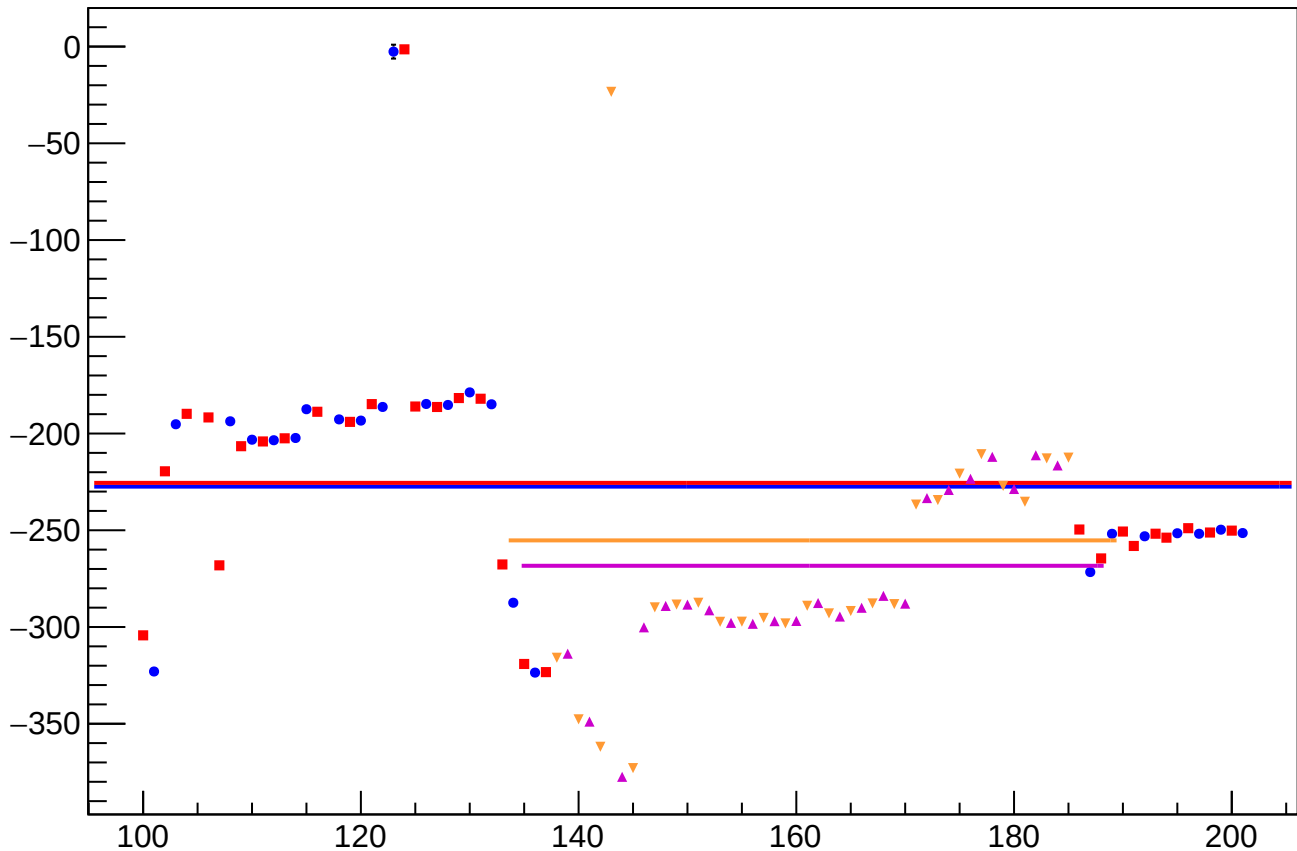
Left In: 140.069 ± 1.795 χ^2/NDF : 316.5/22

+ sign 122.637 ± 1.335 χ^2/NDF : 1714.9/48

All: 122.549 ± 0.949 χ^2/NDF : 2964.7/99

- sign 122.459 ± 1.348 χ^2/NDF : 1249.7/50

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -227.436 ± 0.115 χ^2/NDF : 165893.6/23

Left Out: -255.232 ± 0.082 χ^2/NDF : 728016.7/24

Right Out: -225.503 ± 0.108 χ^2/NDF : 147089.2/27

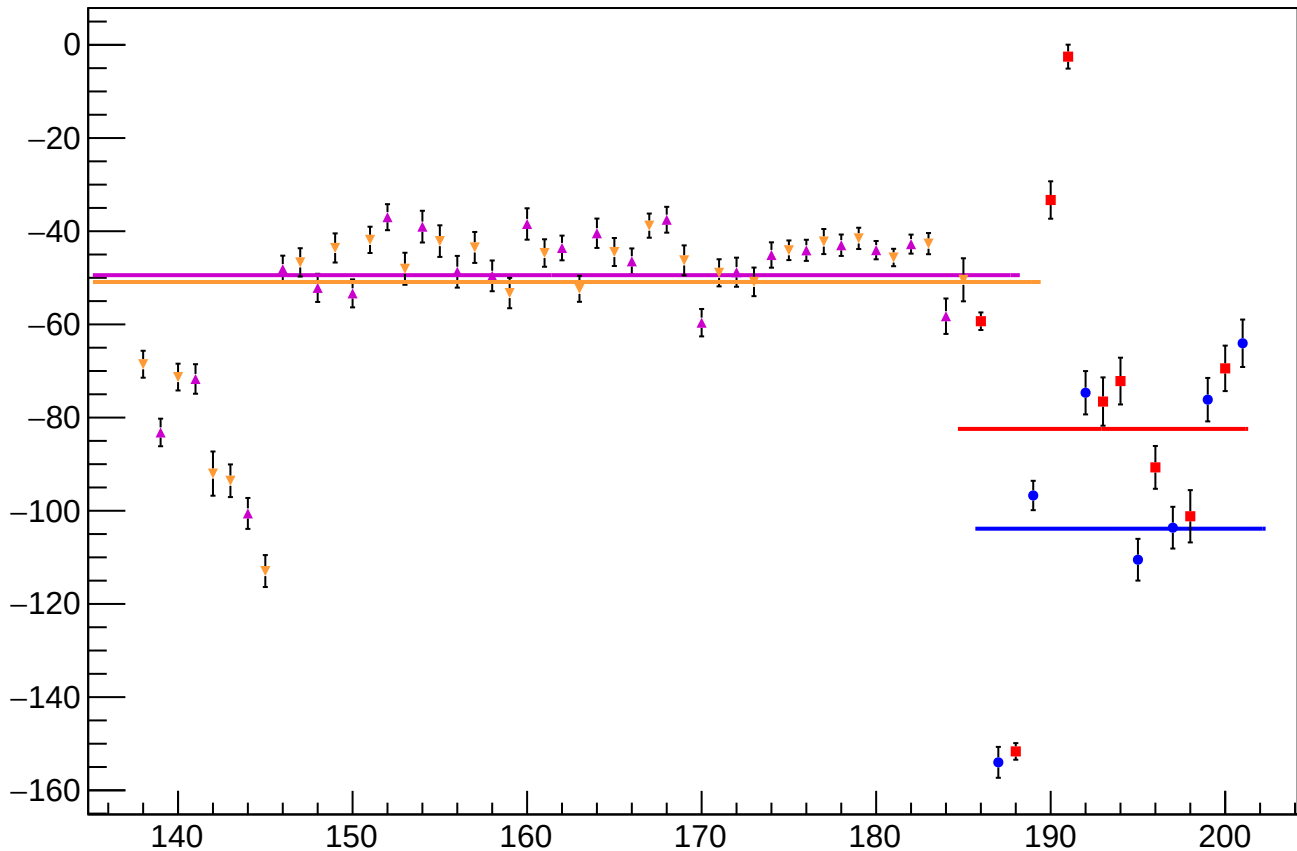
Left In: -268.353 ± 0.084 χ^2/NDF : 262479.3/22

+ sign -245.874 ± 0.067 χ^2/NDF : 932632.6/48

All: -249.140 ± 0.047 χ^2/NDF : 1444995.0/99

- sign -252.353 ± 0.066 χ^2/NDF : 507612.4/50

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -103.848 $\pm$ 1.539 χ^2/NDF : 371.5/6

Left Out: -50.897 $\pm$ 0.573 χ^2/NDF : 761.1/24

Right Out: -82.430 $\pm$ 0.996 χ^2/NDF : 2806.5/8

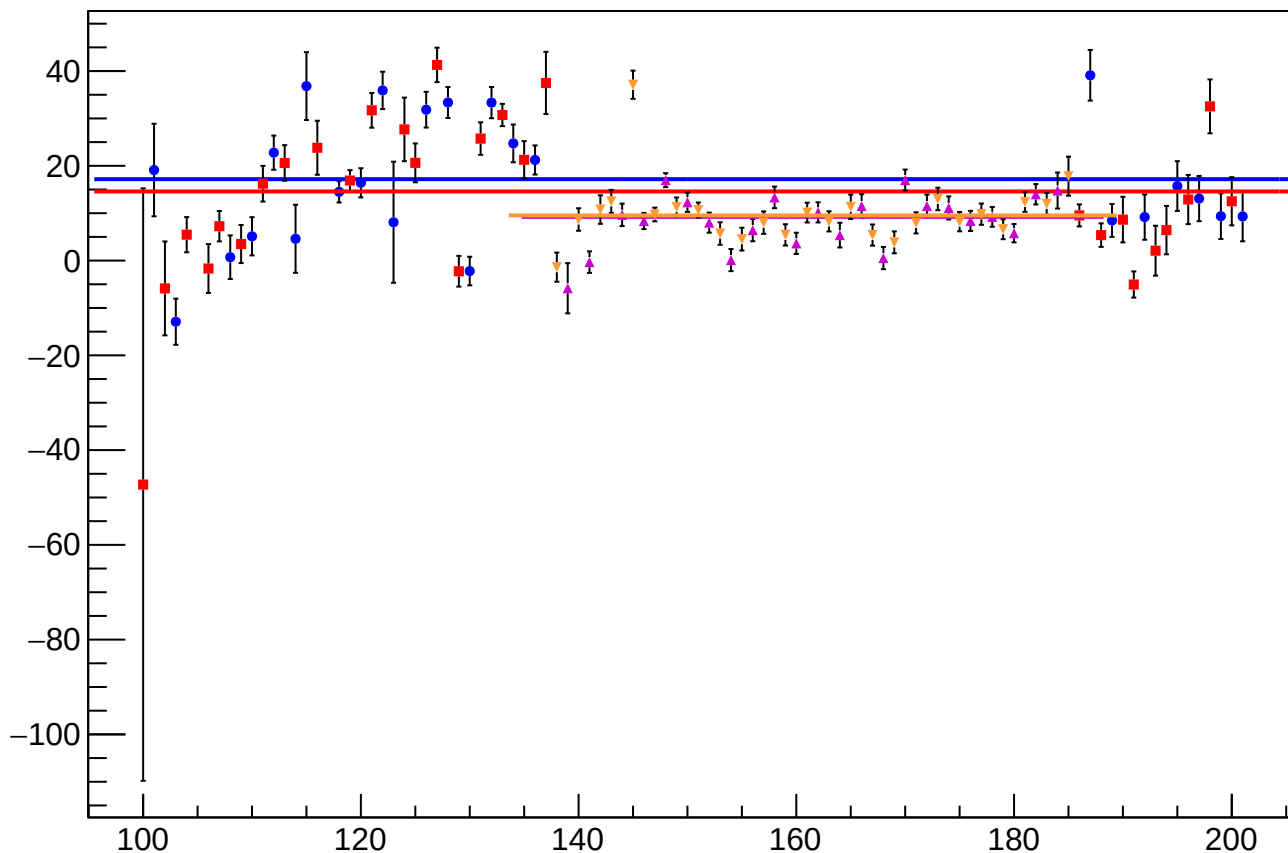
Left In: -49.432 $\pm$ 0.584 χ^2/NDF : 543.4/22

+ sign -57.337 $\pm$ 0.537 χ^2/NDF : 2172.0/31

All: -57.622 $\pm$ 0.367 χ^2/NDF : 6339.5/63

- sign -57.874 $\pm$ 0.504 χ^2/NDF : 4167.0/31

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 17.180 ± 0.815 χ^2/NDF : 239.3/23

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 14.587 ± 0.700 χ^2/NDF : 311.4/27

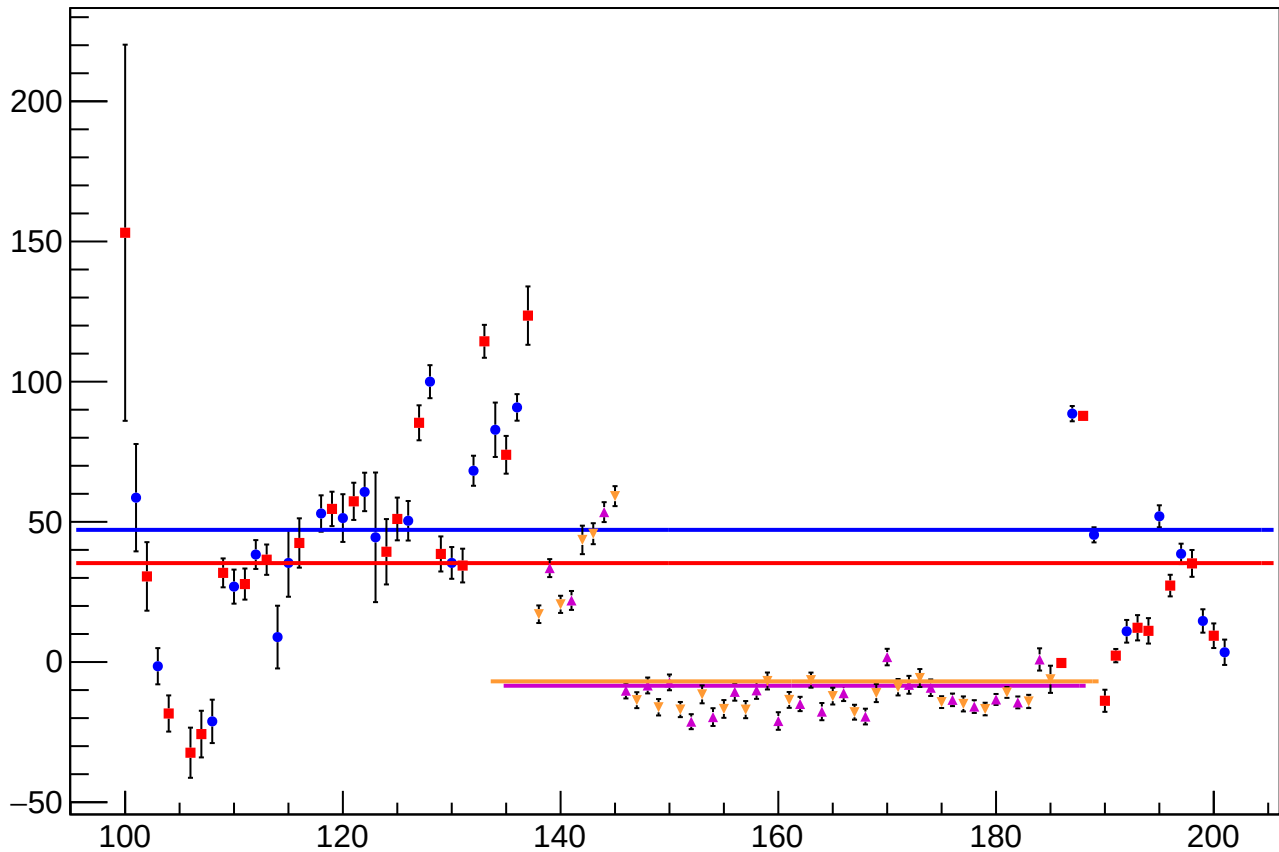
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 11.293 ± 0.391 χ^2/NDF : 441.5/48

All: 11.071 ± 0.275 χ^2/NDF : 918.3/99

- sign 10.856 ± 0.385 χ^2/NDF : 476.2/50

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 47.140 $\pm$ 1.034 χ^2 /NDF: 838.6/23

Left Out: -6.888 $\pm$ 0.571 χ^2 /NDF: 914.2/24

Right Out: 35.286 $\pm$ 0.743 χ^2 /NDF: 2897.3/27

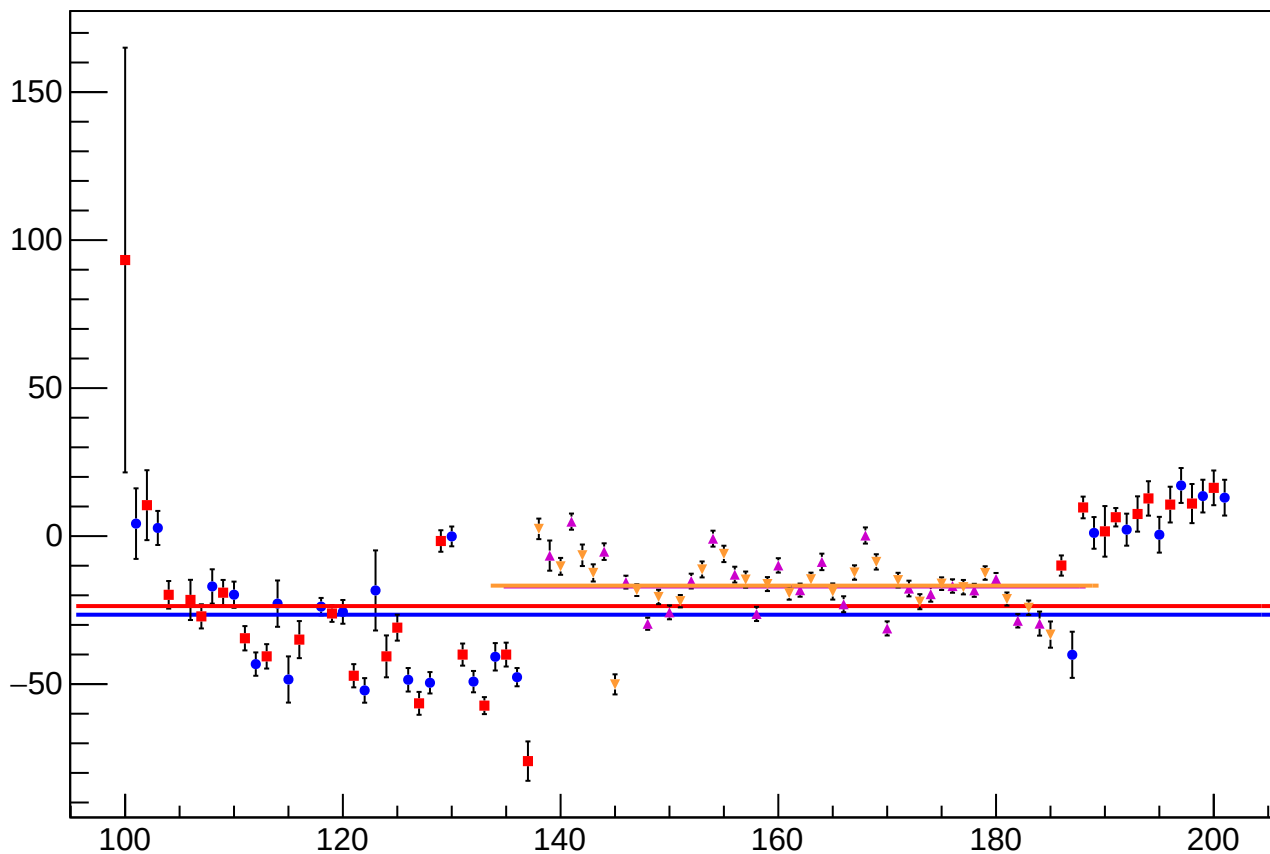
Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

+ sign 5.732 $\pm$ 0.500 χ^2 /NDF: 3844.2/48

All: 7.029 $\pm$ 0.337 χ^2 /NDF: 9597.8/99

- sign 8.114 $\pm$ 0.457 χ^2 /NDF: 5741.2/50

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -26.555 ± 0.946 χ^2/NDF : 560.3/23

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -23.638 ± 0.837 χ^2/NDF : 803.1/27

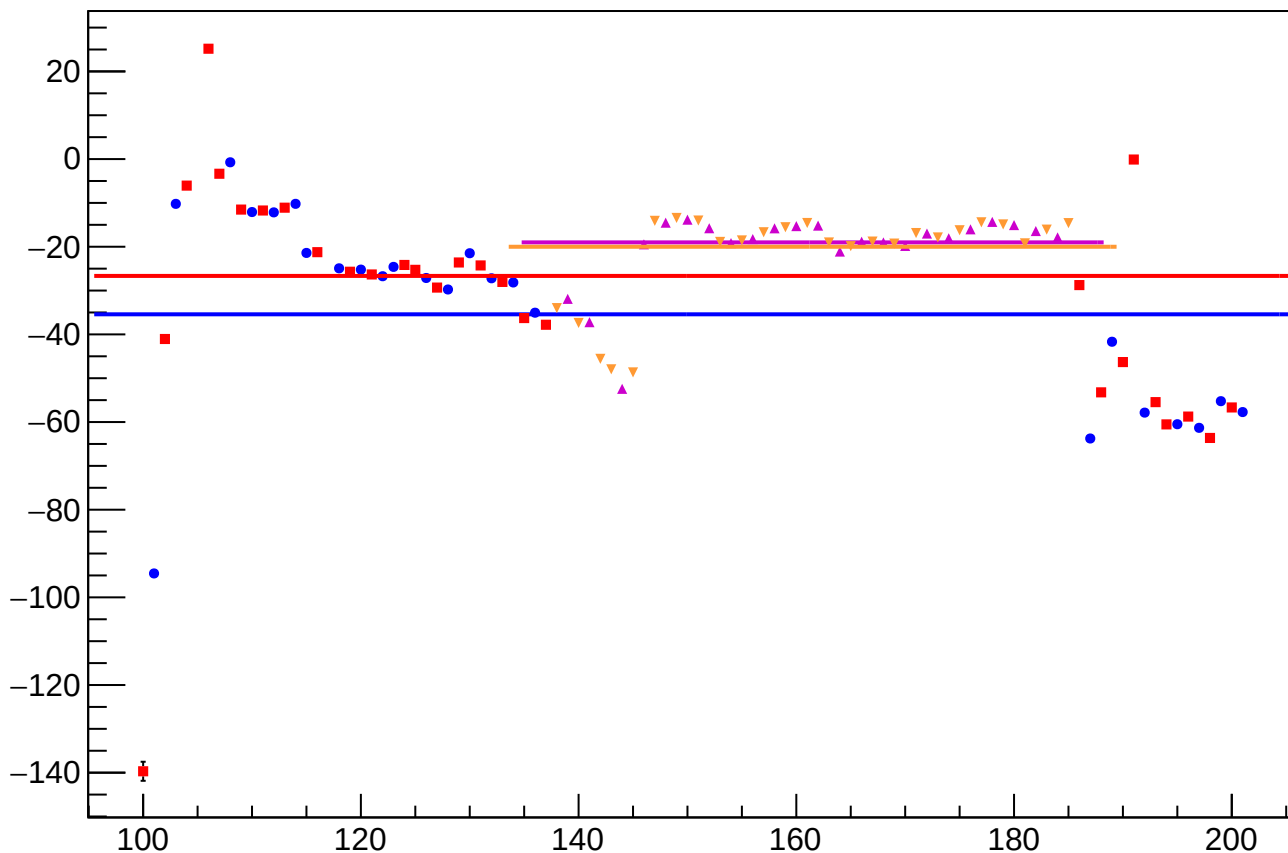
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -18.922 ± 0.447 χ^2/NDF : 867.4/48

All: -18.899 ± 0.314 χ^2/NDF : 2043.1/99

- sign -18.876 ± 0.443 χ^2/NDF : 1175.7/50

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -35.418 ± 0.046 $\chi^2/\text{NDF}: 196501.5/23$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -26.659 ± 0.039 $\chi^2/\text{NDF}: 387613.7/27$

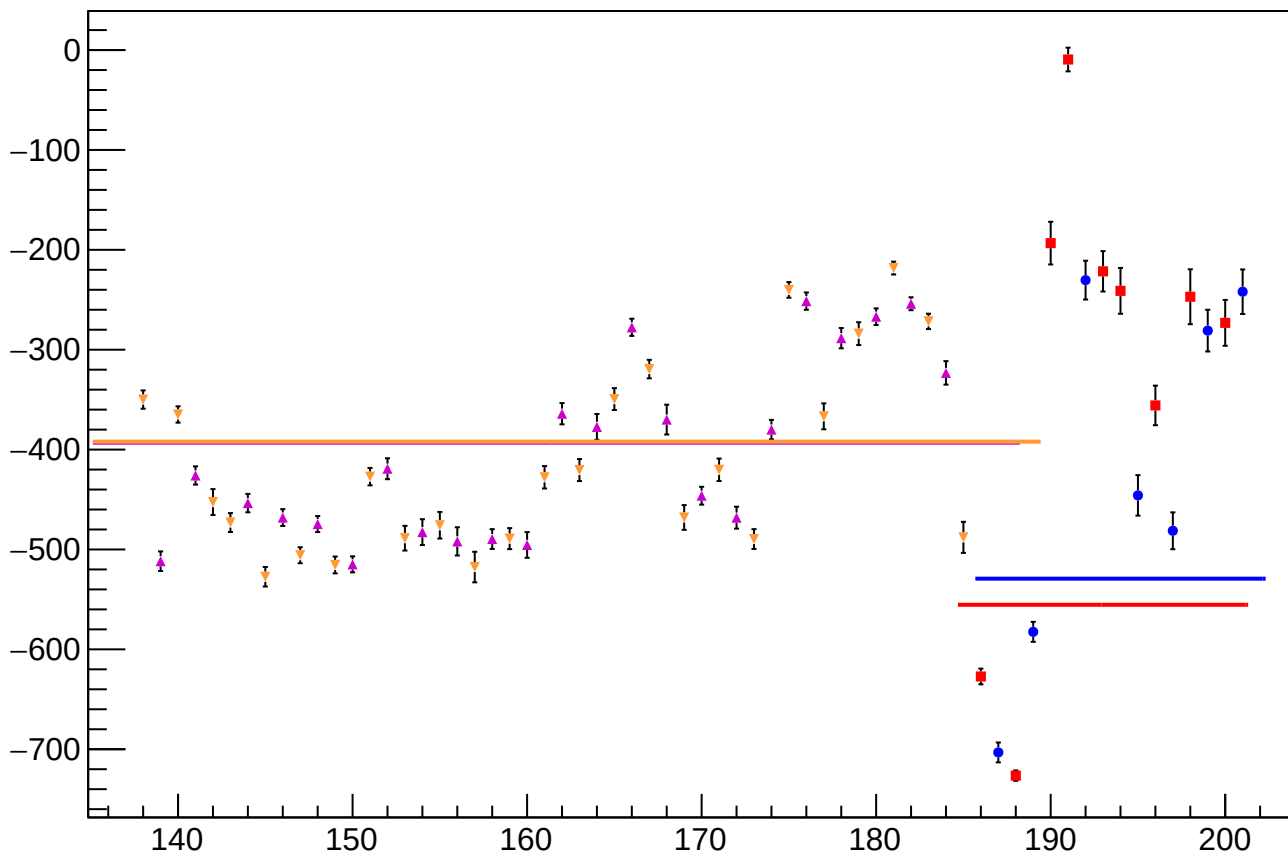
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -23.170 ± 0.021 $\chi^2/\text{NDF}: 431963.5/48$

All: -22.092 ± 0.014 $\chi^2/\text{NDF}: 943842.8/99$

- sign -21.069 ± 0.020 $\chi^2/\text{NDF}: 506630.5/50$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -529.237 $\pm$ 5.556 χ^2 /NDF: 901.4/6

Left Out: -392.054 $\pm$ 1.967 χ^2 /NDF:2717.2/24

Right Out: -555.389 $\pm$ 3.704 χ^2 /NDF: 4419.5/8

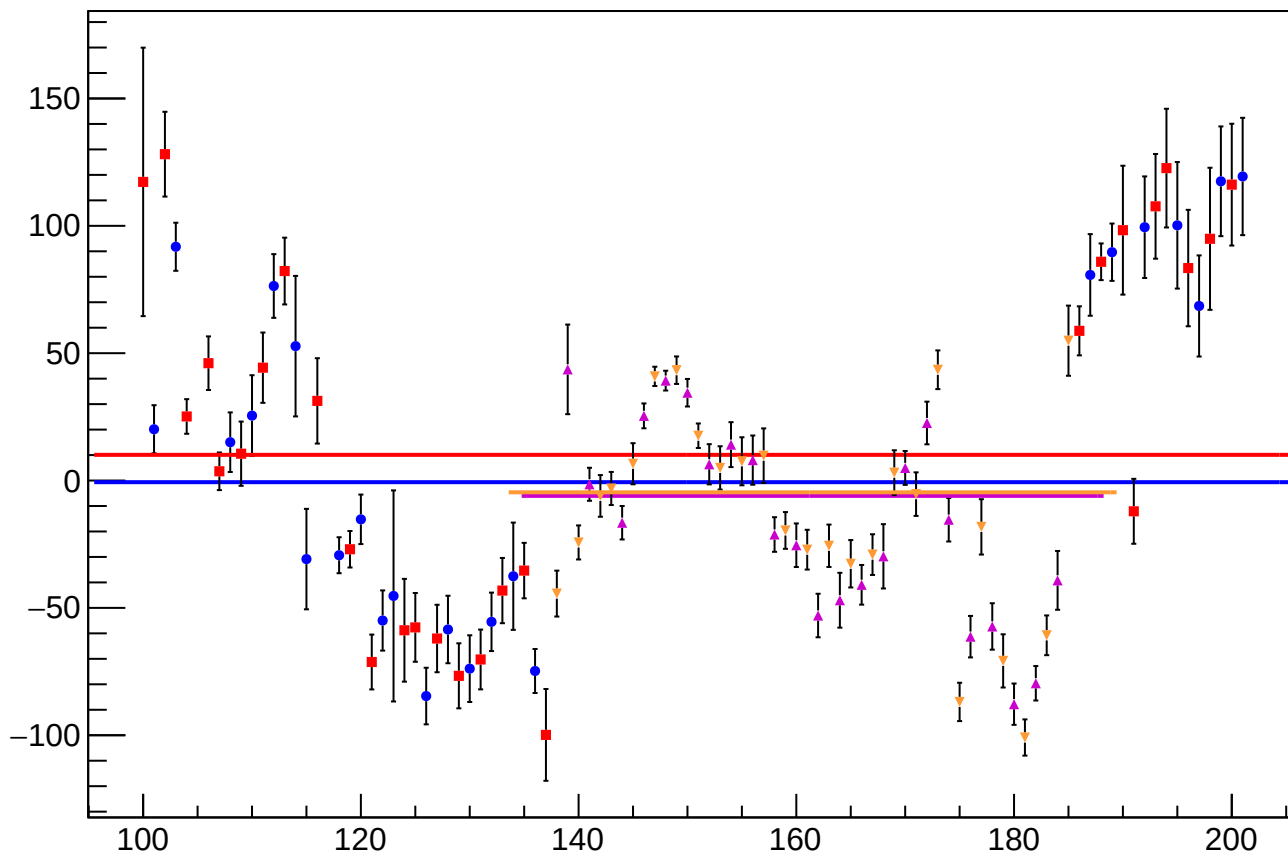
Left In: -393.113 $\pm$ 2.006 χ^2 /NDF:2253.3/22

+ sign -407.328 $\pm$ 1.854 χ^2 /NDF: 4160.3/31

All: -419.176 $\pm$ 1.278 χ^2 /NDF: 12395.0/63

- sign -429.898 $\pm$ 1.764 χ^2 /NDF: 8156.9/31

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -0.642 ± 2.601 χ^2/NDF : 598.5/23

Left Out: -4.624 ± 1.462 χ^2/NDF : 772.9/24

Right Out: 10.084 ± 2.273 χ^2/NDF : 661.8/27

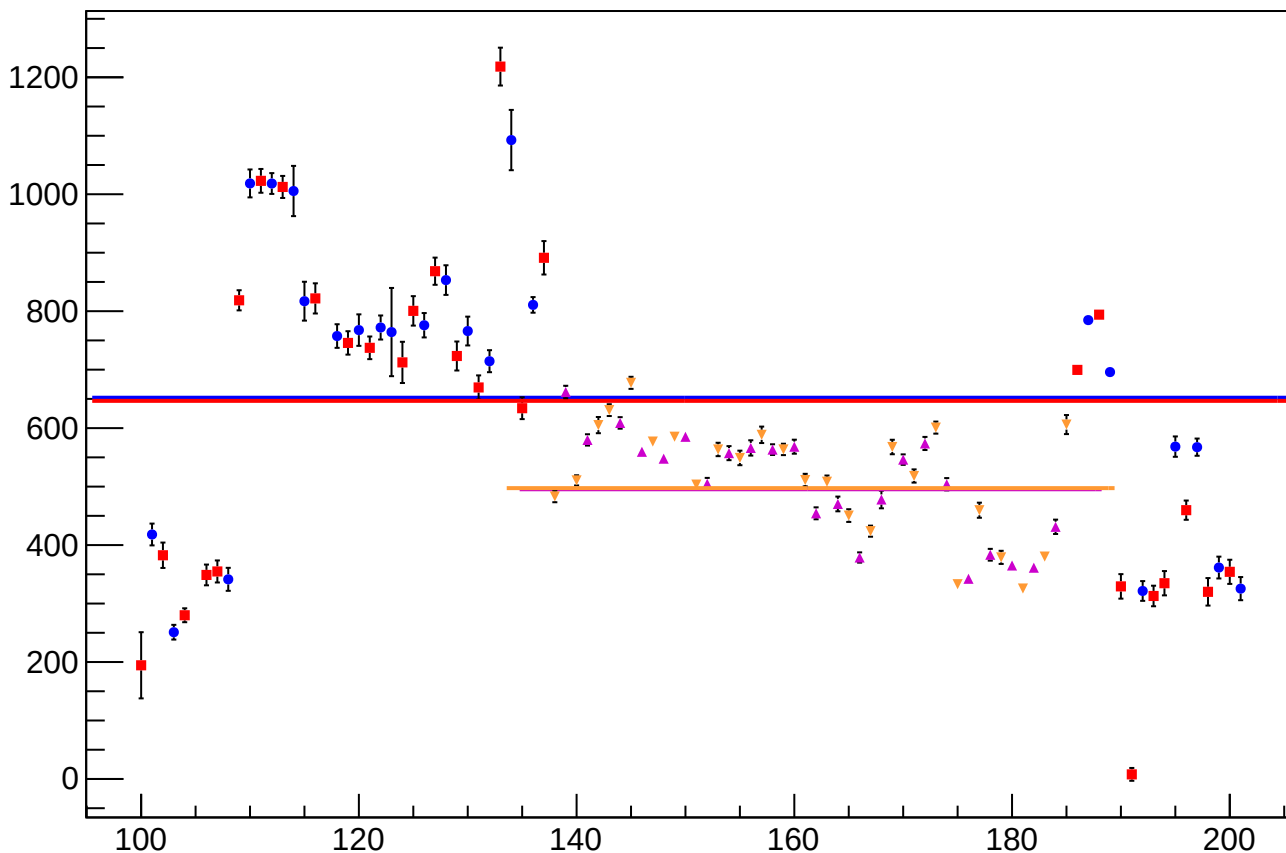
Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -3.668 ± 1.275 χ^2/NDF : 1373.2/48

All: -2.350 ± 0.897 χ^2/NDF : 2725.9/99

- sign -1.059 ± 1.261 χ^2/NDF : 1350.6/50

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 651.995 ± 3.428 $\chi^2/\text{NDF}: 3844.7/23$

Left Out: 497.381 ± 1.966 $\chi^2/\text{NDF}: 2614.6/24$

Right Out: 646.652 ± 2.571 $\chi^2/\text{NDF}: 9169.4/27$

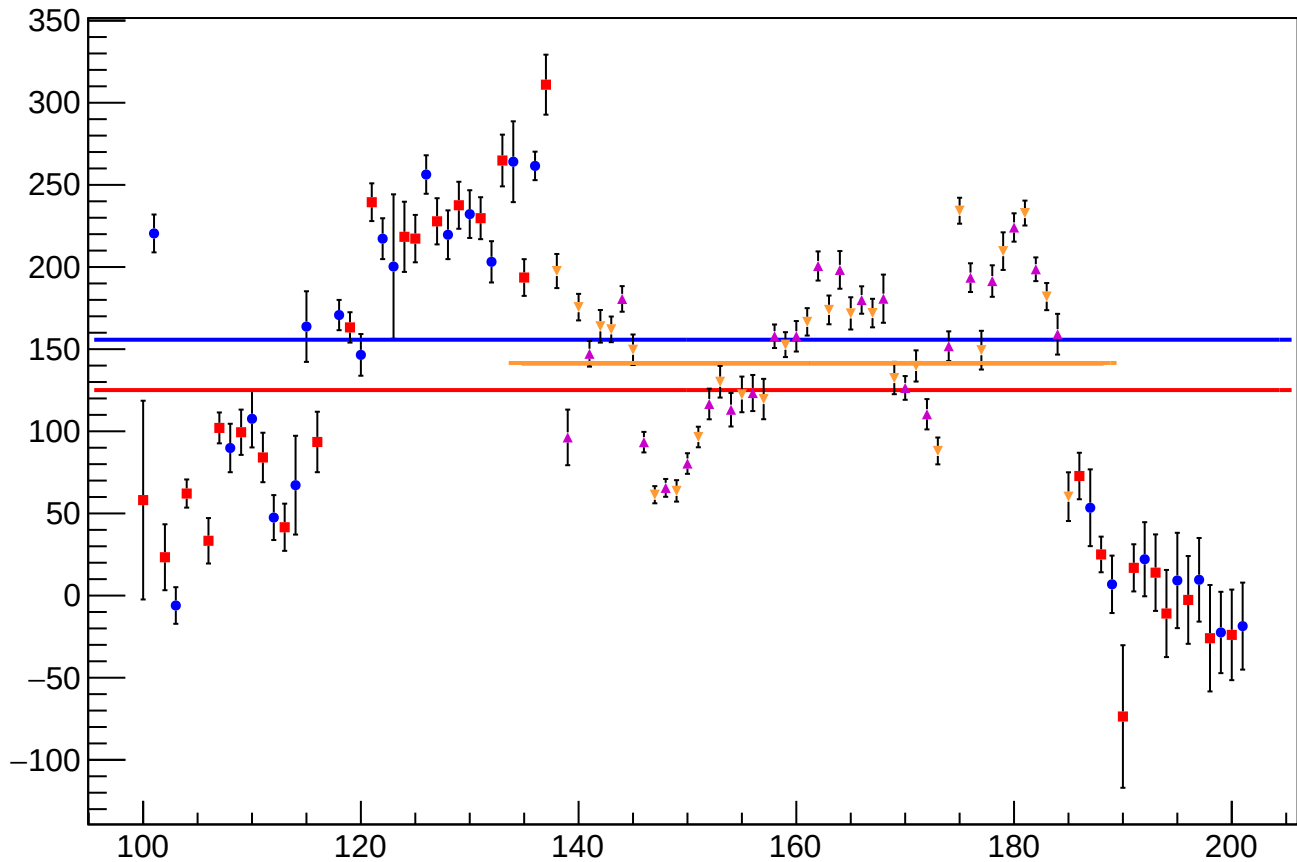
Left In: 495.454 ± 1.992 $\chi^2/\text{NDF}: 2253.8/22$

+ sign 535.646 ± 1.705 $\chi^2/\text{NDF}: 7990.1/48$

All: 544.570 ± 1.157 $\chi^2/\text{NDF}: 21625.1/99$

- sign 552.178 ± 1.575 $\chi^2/\text{NDF}: 13584.2/50$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 155.743 $\pm$ 3.046 χ^2 /NDF: 953.0/23

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 125.092 $\pm$ 2.736 χ^2 /NDF: 1056.3/27

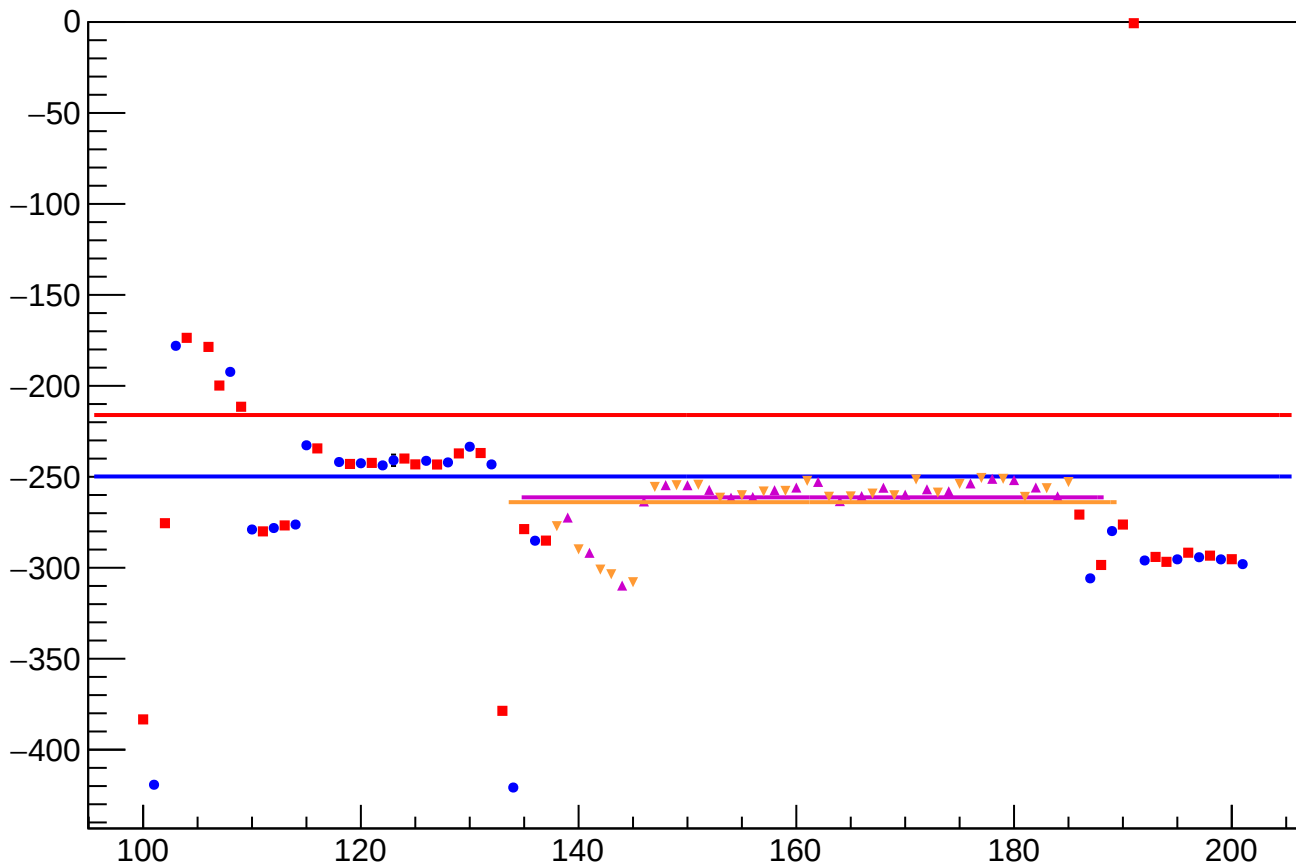
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 144.946 $\pm$ 1.483 χ^2 /NDF: 1929.0/48

All: 140.766 $\pm$ 1.045 χ^2 /NDF: 3767.5/99

- sign 136.645 $\pm$ 1.473 χ^2 /NDF: 1822.7/50

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -249.821 ± 0.143 $\chi^2/\text{NDF}: 192802.9/23$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

+ sign -260.498 ± 0.071 $\chi^2/\text{NDF}: 239259.8/48$

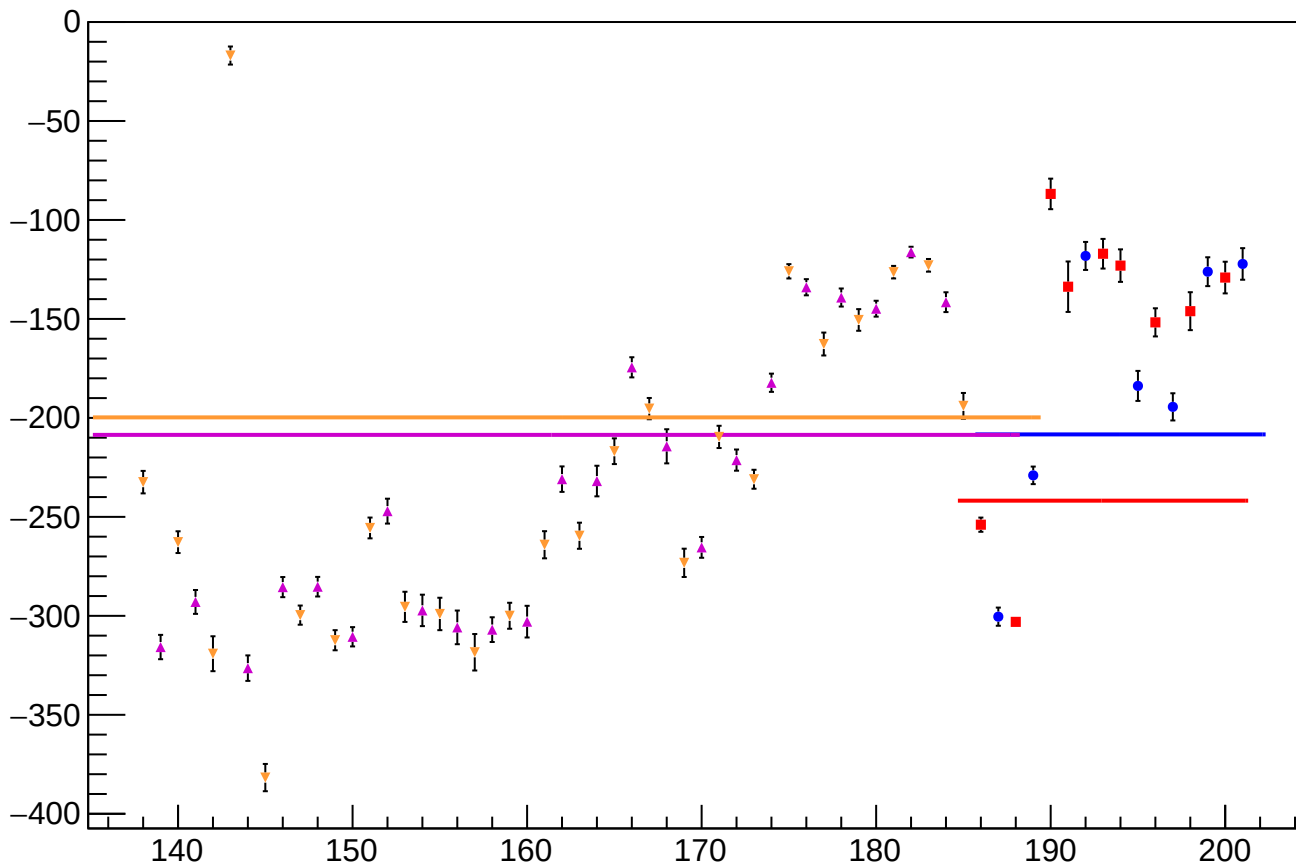
Right Out: -216.041 ± 0.127 $\chi^2/\text{NDF}: 479518.2/27$

All: -254.053 ± 0.049 $\chi^2/\text{NDF}: 848241.4/99$

Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

- sign -247.936 ± 0.069 $\chi^2/\text{NDF}: 592759.1/50$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -208.338 ± 2.286 χ^2/NDF : 844.4/6

Left Out: -199.741 ± 1.061 χ^2/NDF : 6361.5/24

Right Out: -241.812 ± 1.672 χ^2/NDF : 2099.4/8

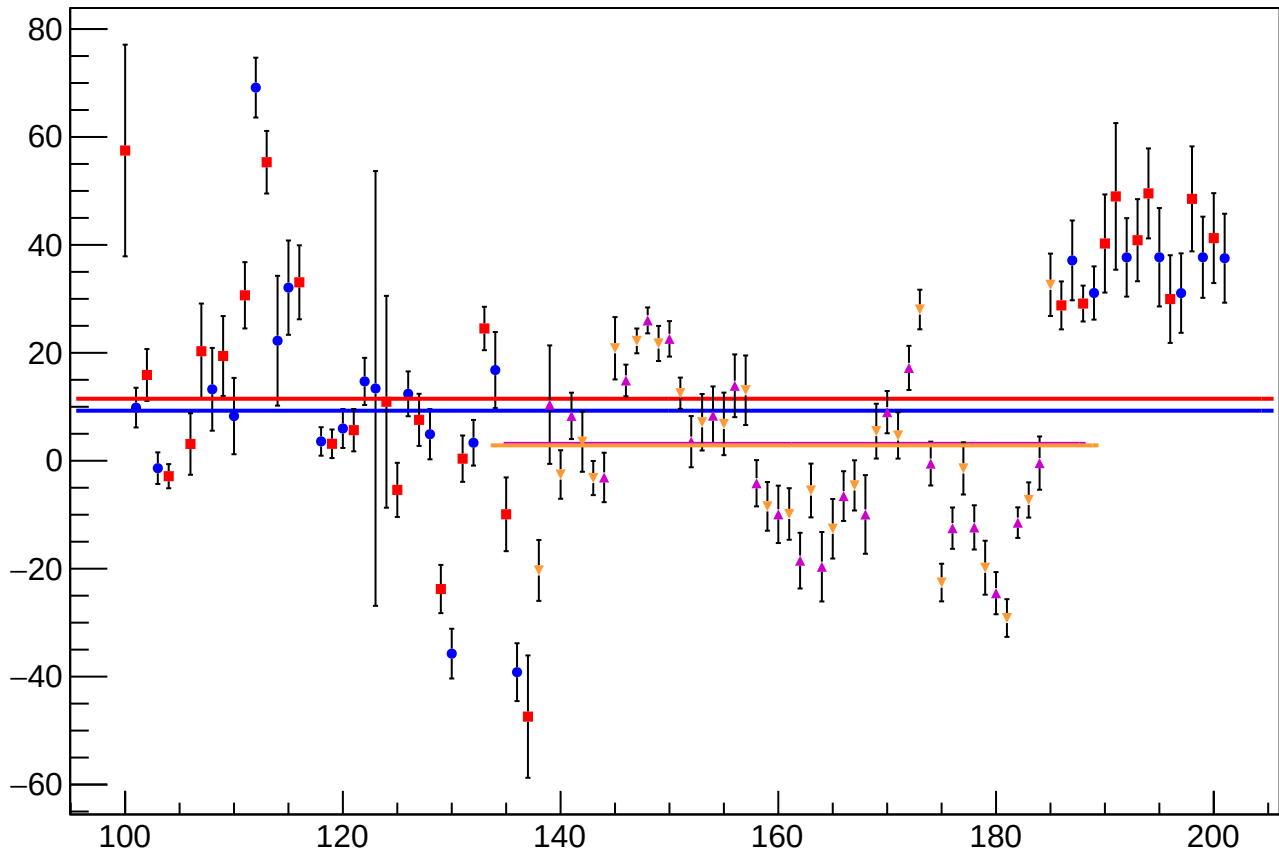
Left In: -208.579 ± 1.082 χ^2/NDF : 4805.1/22

+ sign -201.266 ± 0.962 χ^2/NDF : 7217.6/31

All: -210.319 ± 0.661 χ^2/NDF : 14567.7/63

- sign -218.388 ± 0.909 χ^2/NDF : 7182.8/31

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 9.276 ± 1.022 χ^2/NDF : 420.4/23

Left Out: 2.853 ± 0.820 χ^2/NDF : 419.8/24

Right Out: 11.491 ± 0.952 χ^2/NDF : 398.2/27

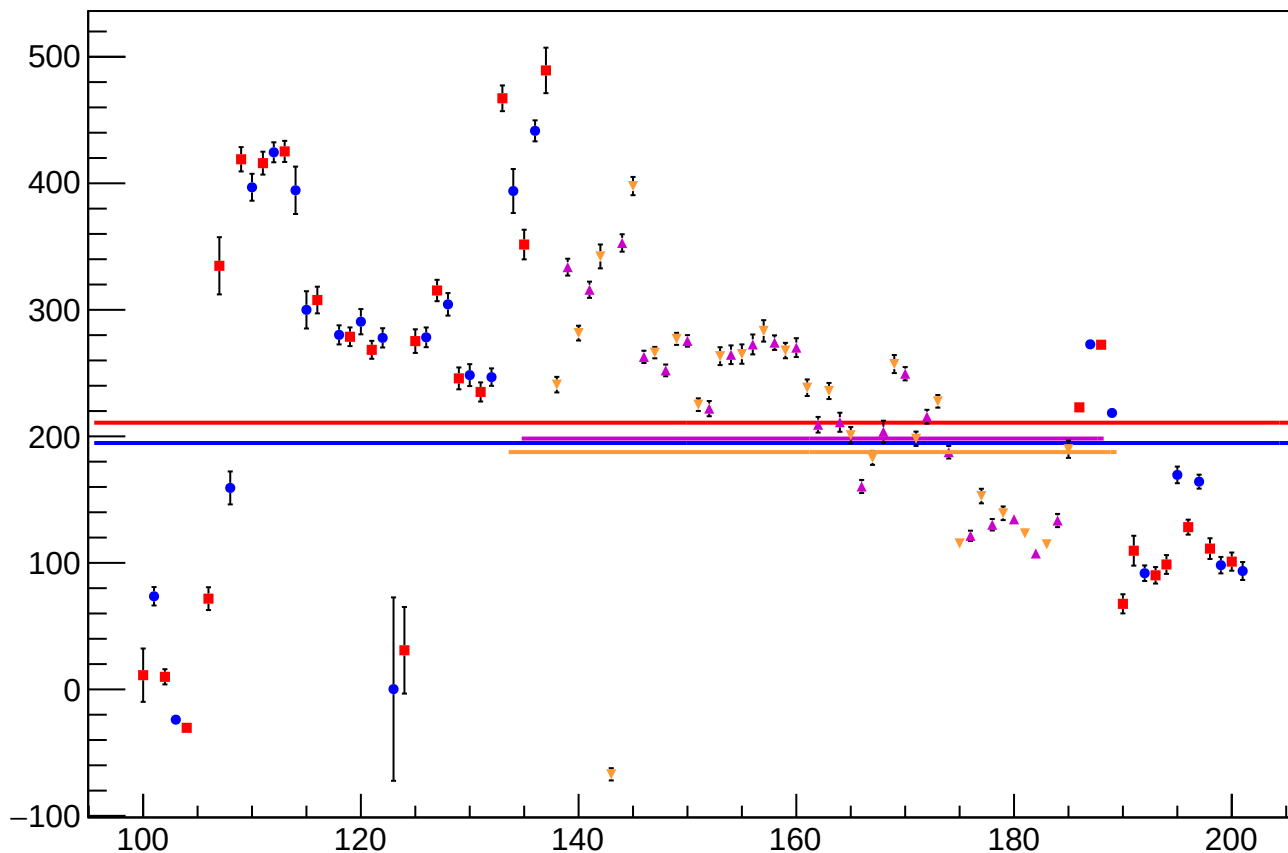
Left In: 3.136 ± 0.857 χ^2/NDF : 319.8/22

+ sign 5.367 ± 0.640 χ^2/NDF : 864.3/48

All: 6.125 ± 0.451 χ^2/NDF : 1627.6/99

- sign 6.875 ± 0.637 χ^2/NDF : 760.6/50

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 194.757 $\pm$ 1.385 χ^2 /NDF: 7941.5/23

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 210.808 $\pm$ 1.122 χ^2 /NDF: 10948.6/27

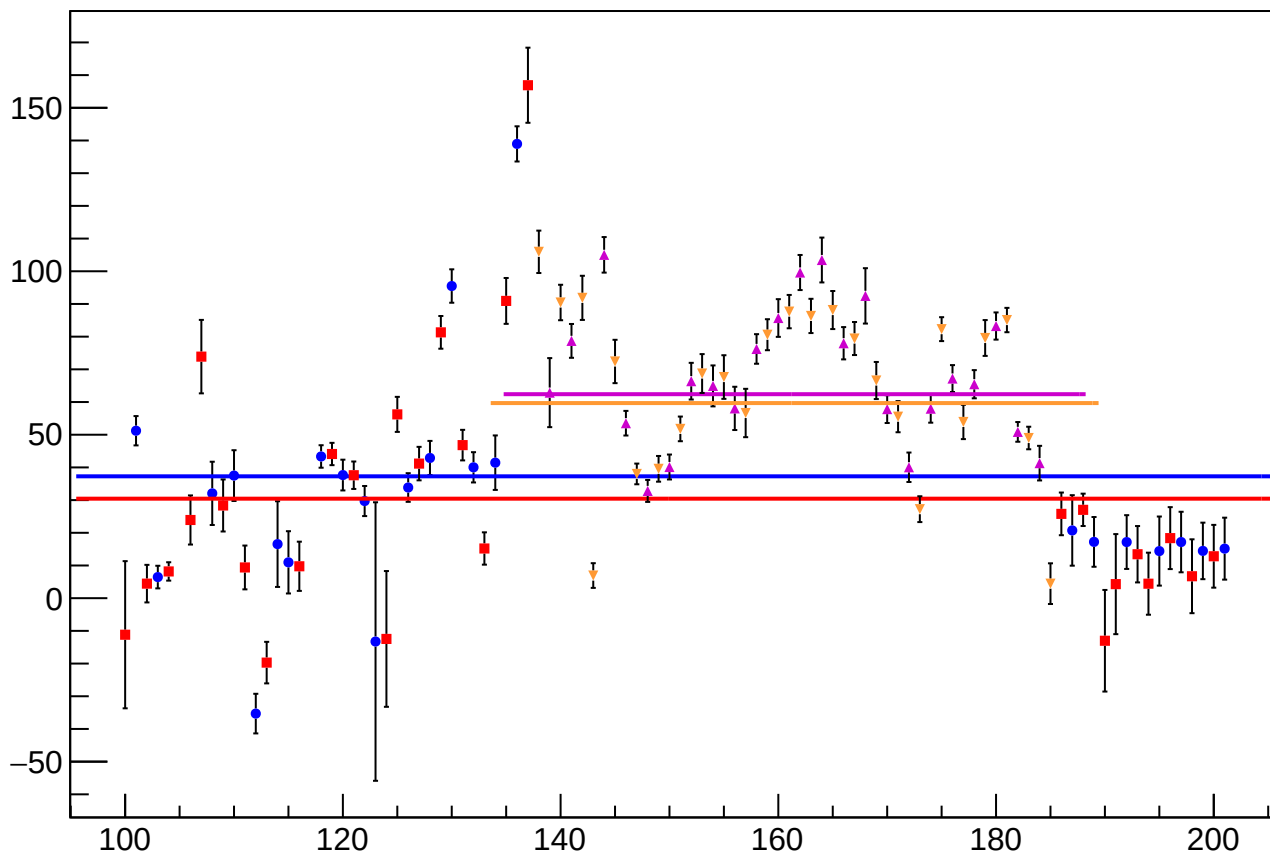
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 190.239 $\pm$ 0.845 χ^2 /NDF: 15040.5/48

All: 197.846 $\pm$ 0.573 χ^2 /NDF: 30719.6/99

- sign 204.309 $\pm$ 0.779 χ^2 /NDF: 15529.1/50

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 37.276 ± 1.203 $\chi^2/\text{NDF}: 776.2/23$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 30.437 ± 1.144 $\chi^2/\text{NDF}: 586.2/27$

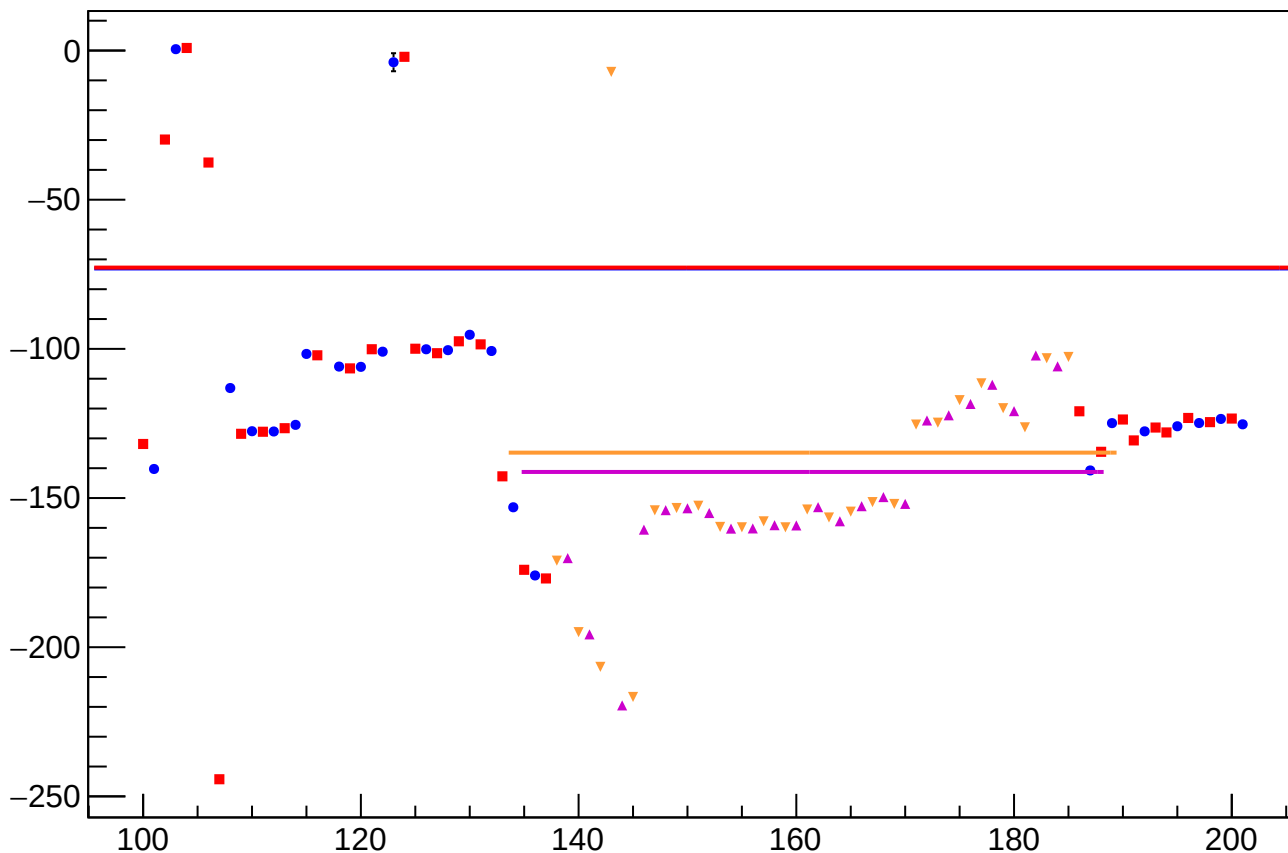
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 51.181 ± 0.741 $\chi^2/\text{NDF}: 1749.1/48$

All: 50.071 ± 0.524 $\chi^2/\text{NDF}: 3198.7/99$

- sign 48.960 ± 0.742 $\chi^2/\text{NDF}: 1445.1/50$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -73.045 $\pm$ 0.054 χ^2 /NDF: 1373766.1/23

Left Out: -134.780 $\pm$ 0.045 χ^2 /NDF: 804747.3/24

Right Out: -72.756 $\pm$ 0.052 χ^2 /NDF: 1358656.8/27

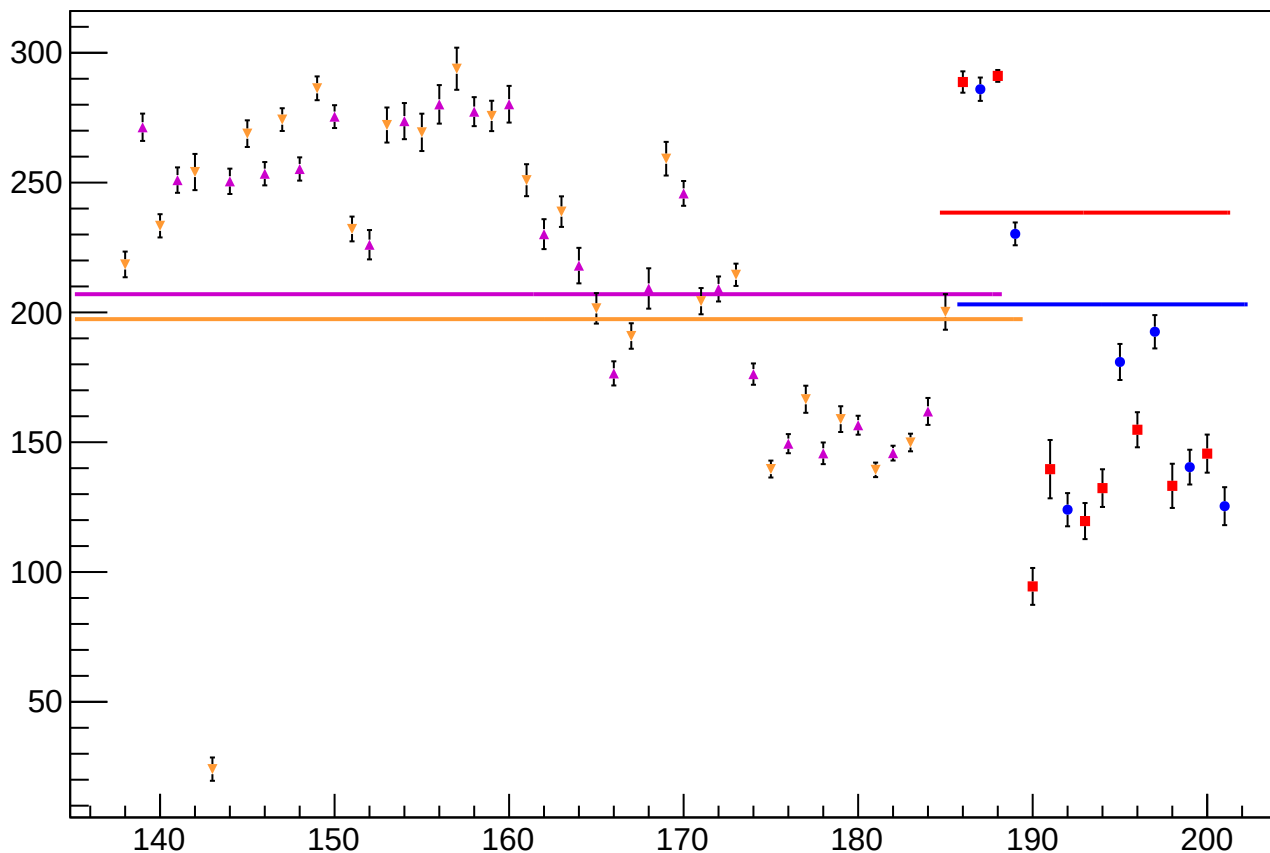
Left In: -141.255 $\pm$ 0.045 χ^2 /NDF: 347229.8/22

+ sign -110.059 $\pm$ 0.034 χ^2 /NDF: 2949083.7/48

All: -110.960 $\pm$ 0.024 χ^2 /NDF: 5638337.4/99

- sign -111.848 $\pm$ 0.034 χ^2 /NDF: 2687896.7/50

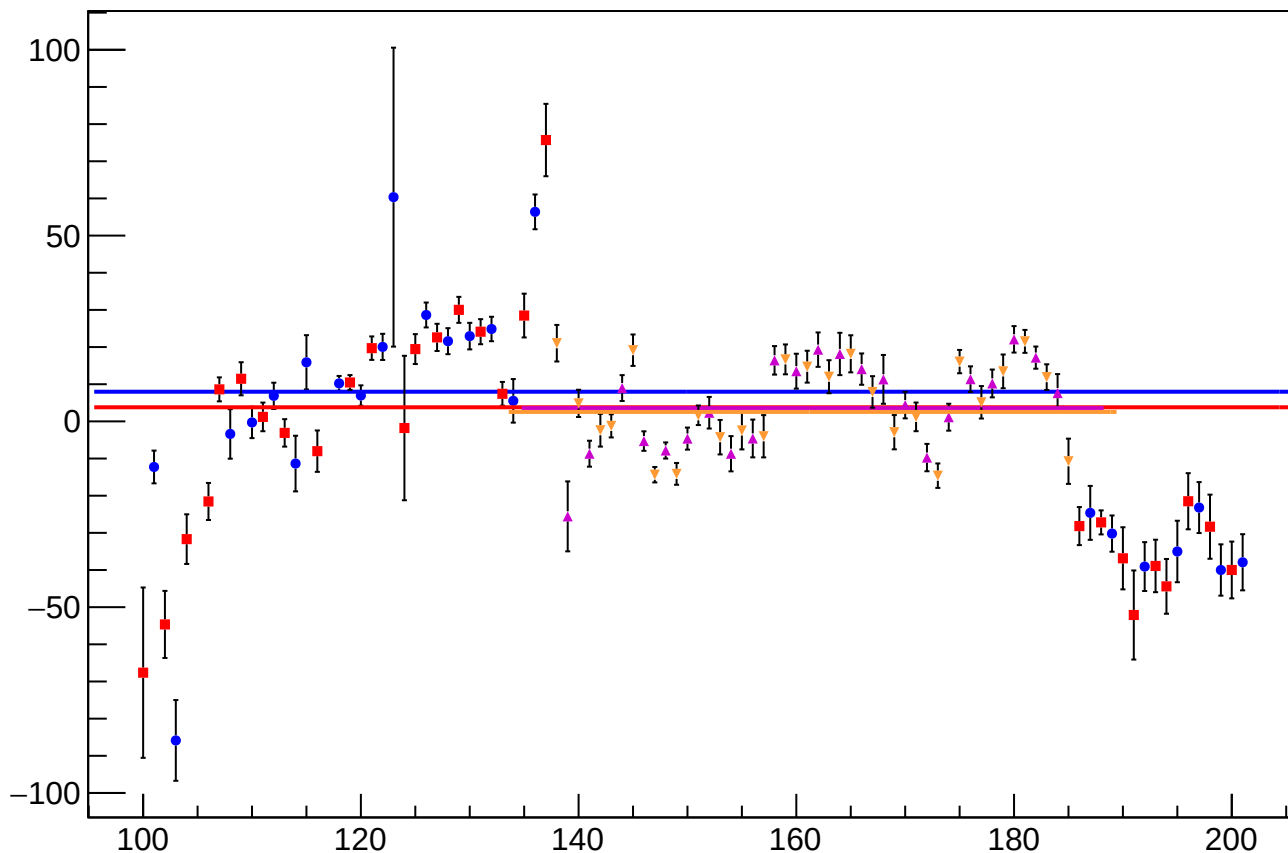
reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 203.094 ± 2.174 $\chi^2/\text{NDF}: 744.0/6$
 Left Out: 197.408 ± 0.963 $\chi^2/\text{NDF}: 4384.2/24$
 Right Out: 238.435 ± 1.637 $\chi^2/\text{NDF}: 2143.6/8$
 Left In: 207.014 ± 0.990 $\chi^2/\text{NDF}: 2611.5/22$

+ sign 198.340 ± 0.880 $\chi^2/\text{NDF}: 5134.0/31$
 All: 207.216 ± 0.610 $\chi^2/\text{NDF}: 10354.6/63$
 - sign 215.435 ± 0.847 $\chi^2/\text{NDF}: 5024.9/31$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 7.981 ± 0.879 χ^2/NDF : 595.0/23

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 3.797 ± 0.834 χ^2/NDF : 677.0/27

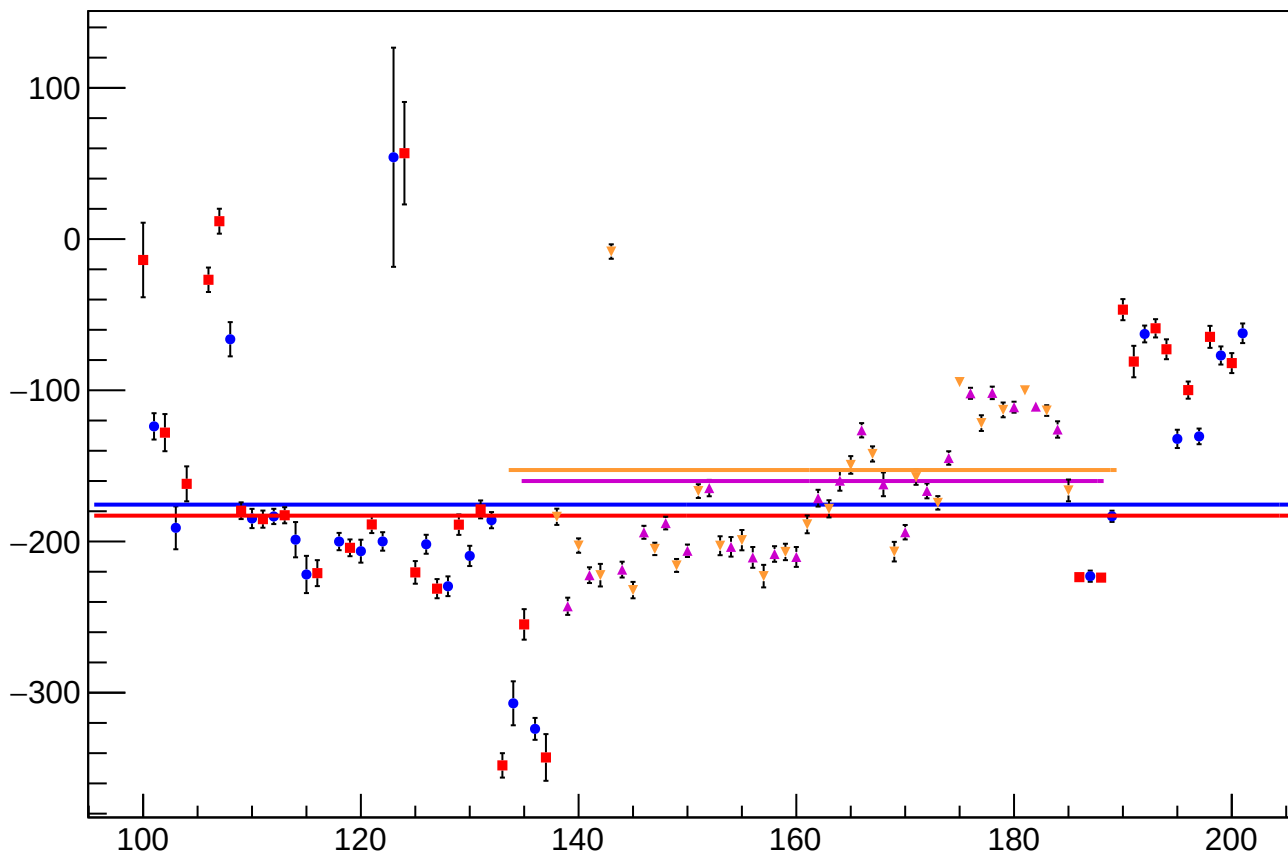
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 4.805 ± 0.566 χ^2/NDF : 892.8/48

All: 4.238 ± 0.401 χ^2/NDF : 1763.8/99

- sign 3.669 ± 0.567 χ^2/NDF : 869.1/50

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -175.619 ± 1.288 χ^2/NDF : 2112.5/23

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -182.910 ± 1.062 χ^2/NDF : 4286.5/27

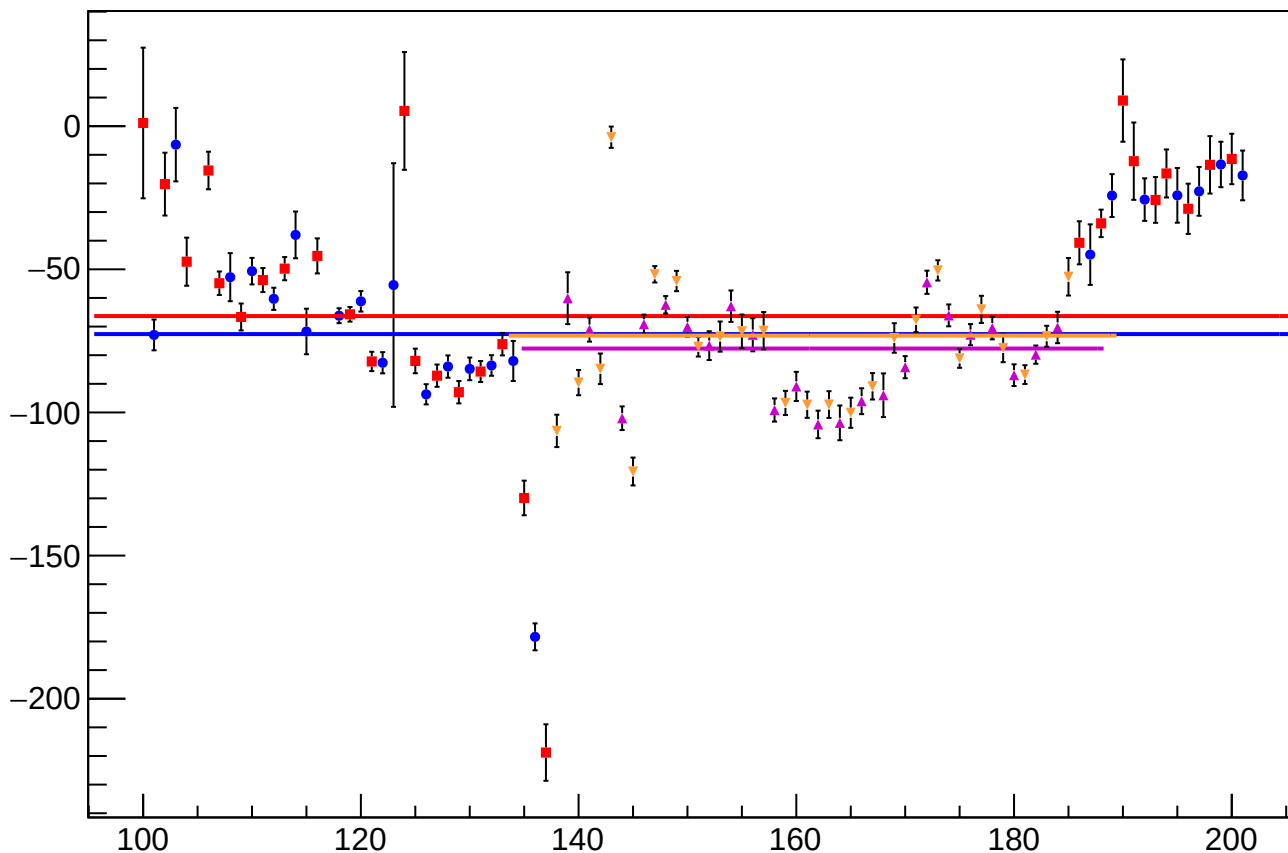
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -160.986 ± 0.773 χ^2/NDF : 5392.1/48

All: -166.139 ± 0.528 χ^2/NDF : 12035.2/99

- sign -170.651 ± 0.724 χ^2/NDF : 6559.8/50

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -72.629 $\pm$ 1.026 χ^2/NDF : 922.7/23

Left Out: -73.165 $\pm$ 0.851 χ^2/NDF : 788.6/24

Right Out: -66.335 $\pm$ 0.982 χ^2/NDF : 886.4/27

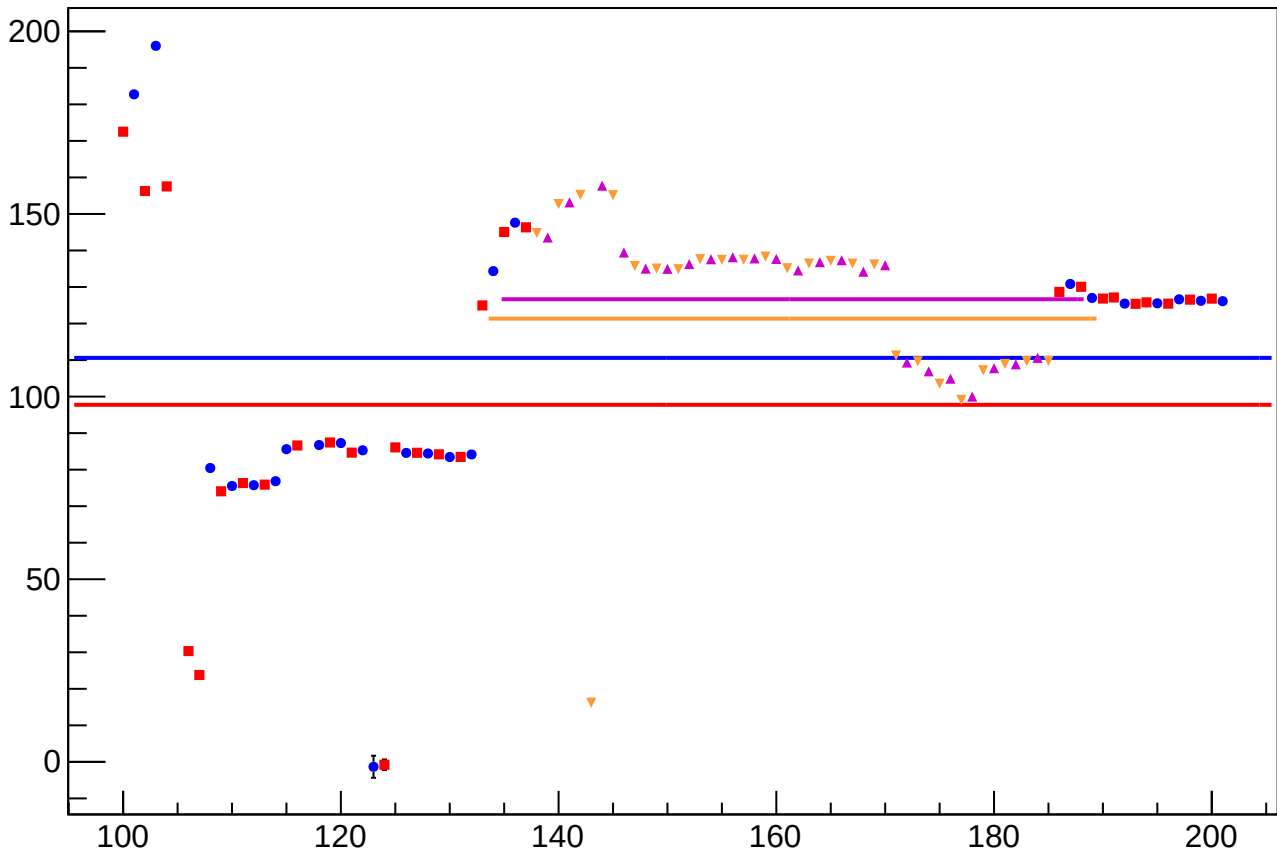
Left In: -77.678 $\pm$ 0.883 χ^2/NDF : 248.3/22

+ sign -72.947 $\pm$ 0.655 χ^2/NDF : 1711.4/48

All: -72.777 $\pm$ 0.464 χ^2/NDF : 2920.1/99

- sign -72.606 $\pm$ 0.656 χ^2/NDF : 1208.5/50

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 110.600 +/- 0.059 χ^2/NDF : 304544.6/23

Left Out: 121.356 +/- 0.040 χ^2/NDF : 481977.3/24

Right Out: 97.749 +/- 0.053 χ^2/NDF : 553131.0/27

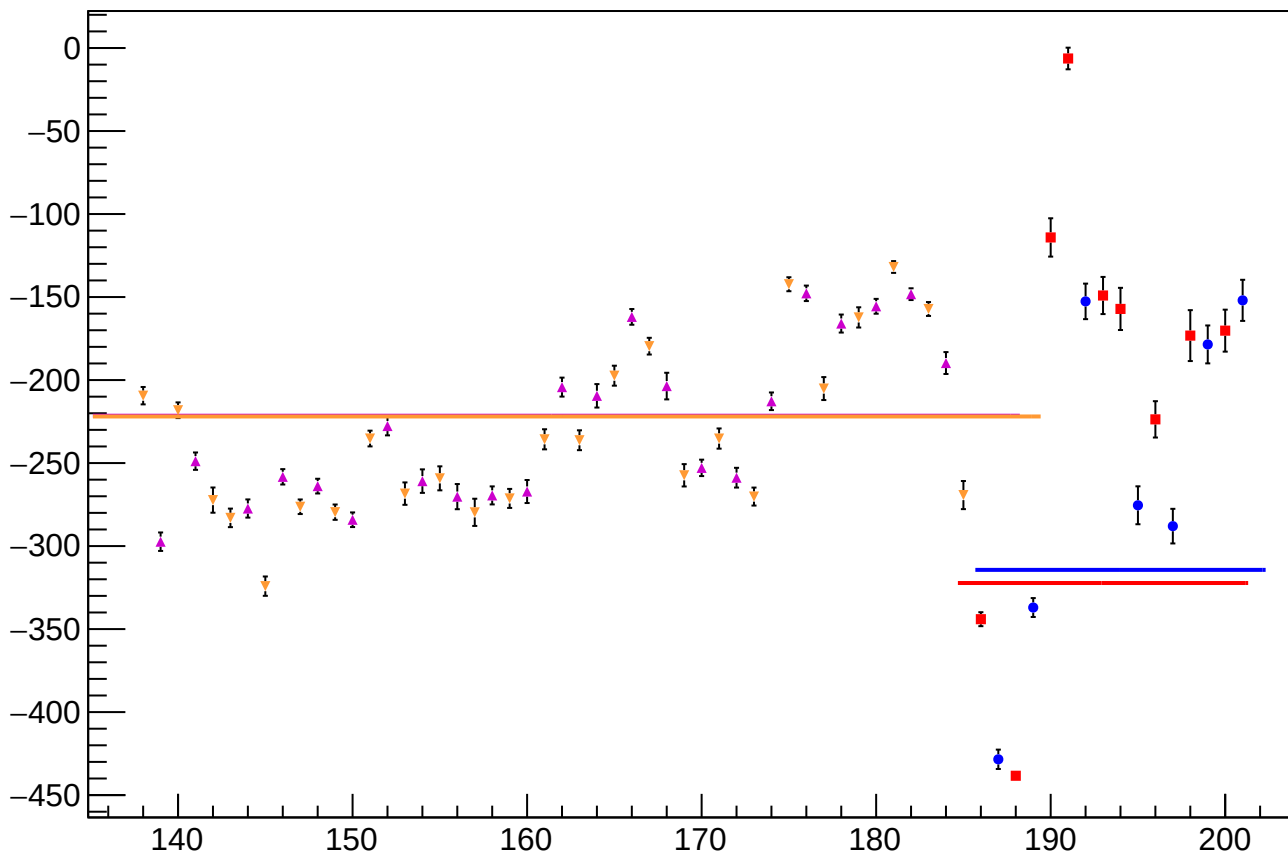
Left In: 126.653 +/- 0.041 χ^2/NDF : 163046.1/22

+ sign 117.926 +/- 0.033 χ^2/NDF : 809232.5/48

All: 116.876 +/- 0.023 χ^2/NDF : 1712045.8/99

- sign 115.872 +/- 0.033 χ^2/NDF : 900864.2/50

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -314.335 ± 3.162 χ^2/NDF : 958.5/6

Left Out: -221.934 ± 1.084 χ^2/NDF : 2578.4/24

Right Out: -322.247 ± 2.089 χ^2/NDF : 4892.3/8

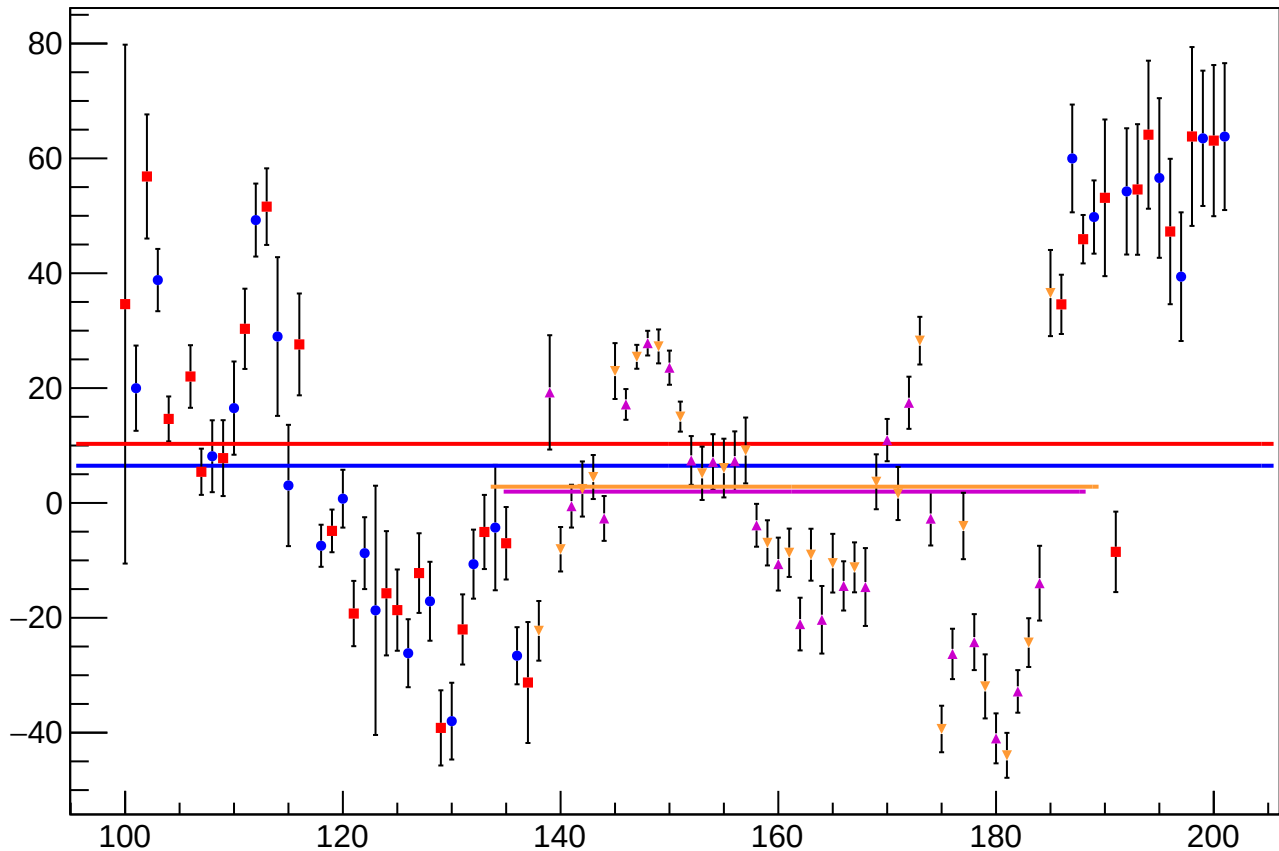
Left In: -221.483 ± 1.102 χ^2/NDF : 2149.8/22

+ sign -231.661 ± 1.026 χ^2/NDF : 4301.1/31

All: -237.840 ± 0.707 χ^2/NDF : 13231.8/63

- sign -243.420 ± 0.975 χ^2/NDF : 8861.6/31

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 6.481 ± 1.425 $\chi^2/\text{NDF}: 414.0/23$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 10.289 ± 1.232 $\chi^2/\text{NDF}: 447.0/27$

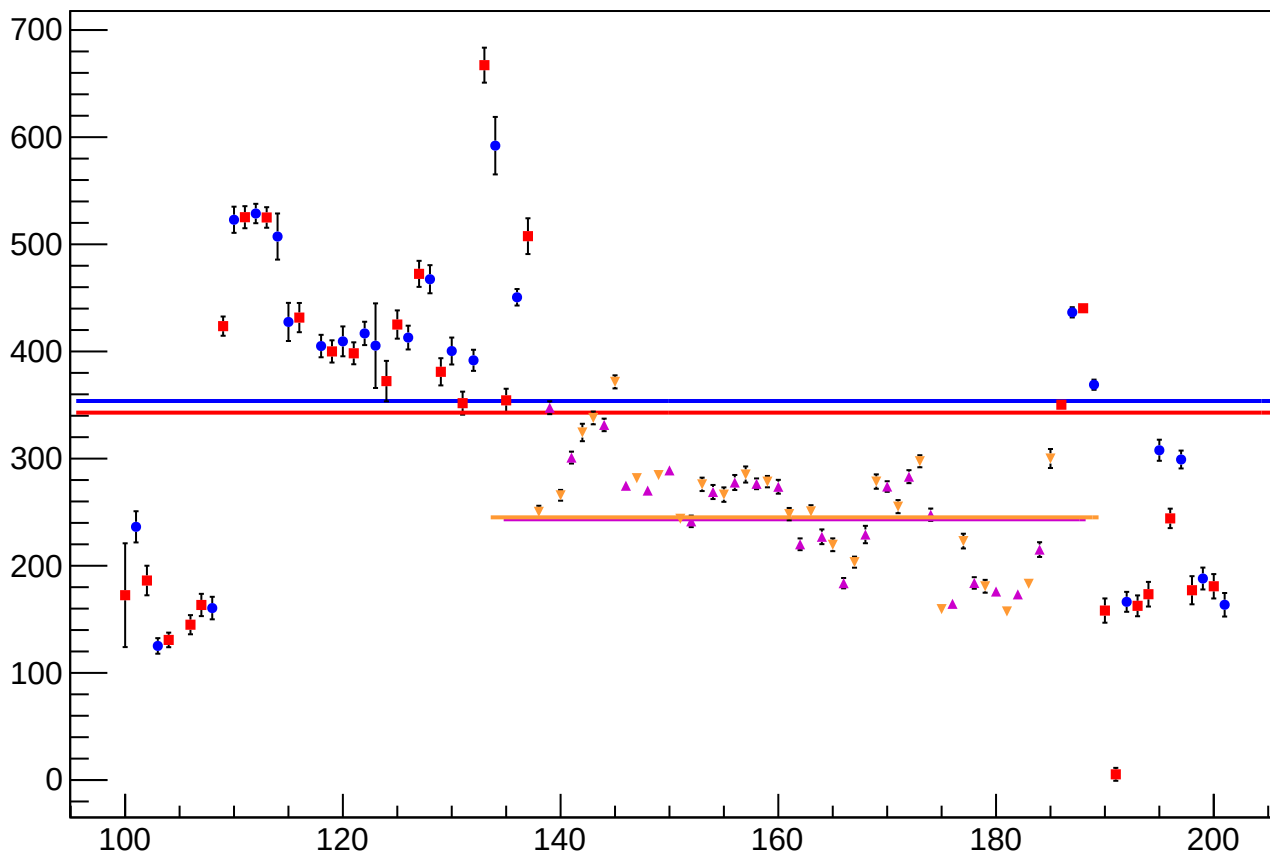
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 3.719 ± 0.702 $\chi^2/\text{NDF}: 1105.9/48$

All: 4.160 ± 0.493 $\chi^2/\text{NDF}: 2174.0/99$

- sign 4.587 ± 0.691 $\chi^2/\text{NDF}: 1067.3/50$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 353.769 $\pm$ 1.921 χ^2 /NDF: 3813.5/23

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF:2597.4/24

Right Out: 342.899 $\pm$ 1.432 χ^2 /NDF: 9447.8/27

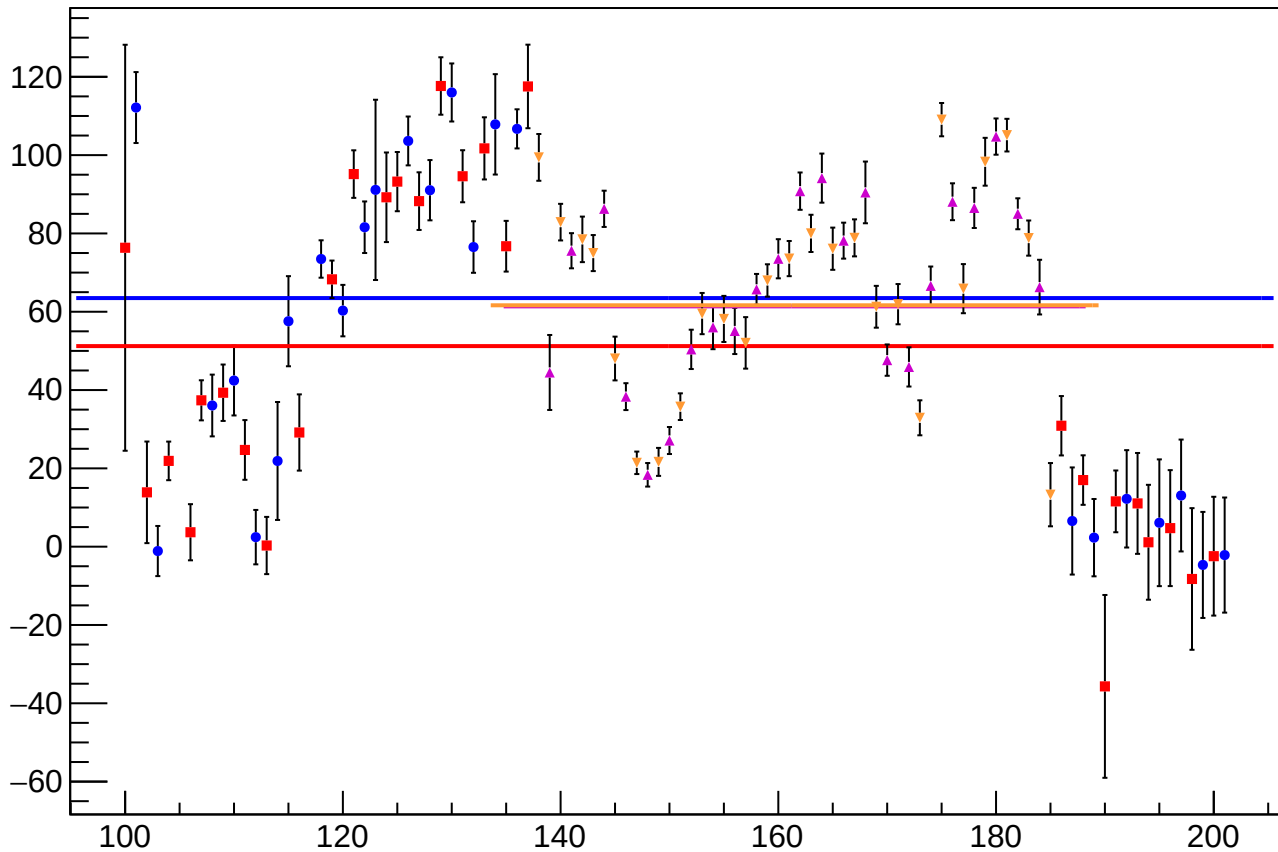
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF:2236.7/22

+ sign 271.340 $\pm$ 0.943 χ^2 /NDF: 8837.4/48

All: 276.044 $\pm$ 0.639 χ^2 /NDF: 23620.0/99

- sign 280.041 $\pm$ 0.869 χ^2 /NDF: 14736.6/50

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 63.492 ± 1.665 $\chi^2/\text{NDF}: 585.2/23$

Left Out: 61.647 ± 0.936 $\chi^2/\text{NDF}: 871.5/24$

Right Out: 51.226 ± 1.478 $\chi^2/\text{NDF}: 645.3/27$

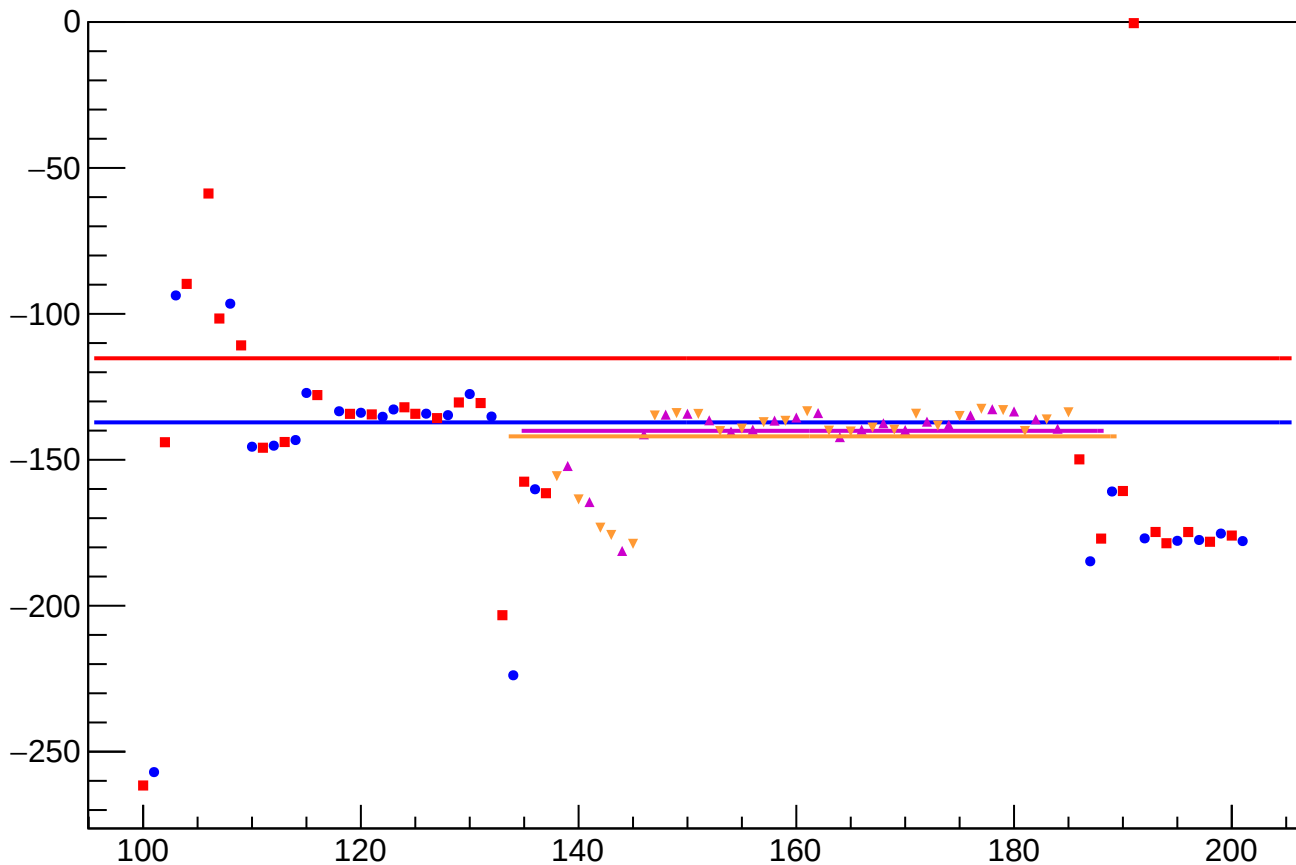
Left In: 61.375 ± 0.961 $\chi^2/\text{NDF}: 699.7/22$

+ sign 62.090 ± 0.816 $\chi^2/\text{NDF}: 1457.7/48$

All: 60.201 ± 0.573 $\chi^2/\text{NDF}: 2846.4/99$

- sign 58.359 ± 0.806 $\chi^2/\text{NDF}: 1378.1/50$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -137.175 ± 0.080 $\chi^2/\text{NDF}: 228635.6/23$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -115.218 ± 0.070 $\chi^2/\text{NDF}: 586281.3/27$

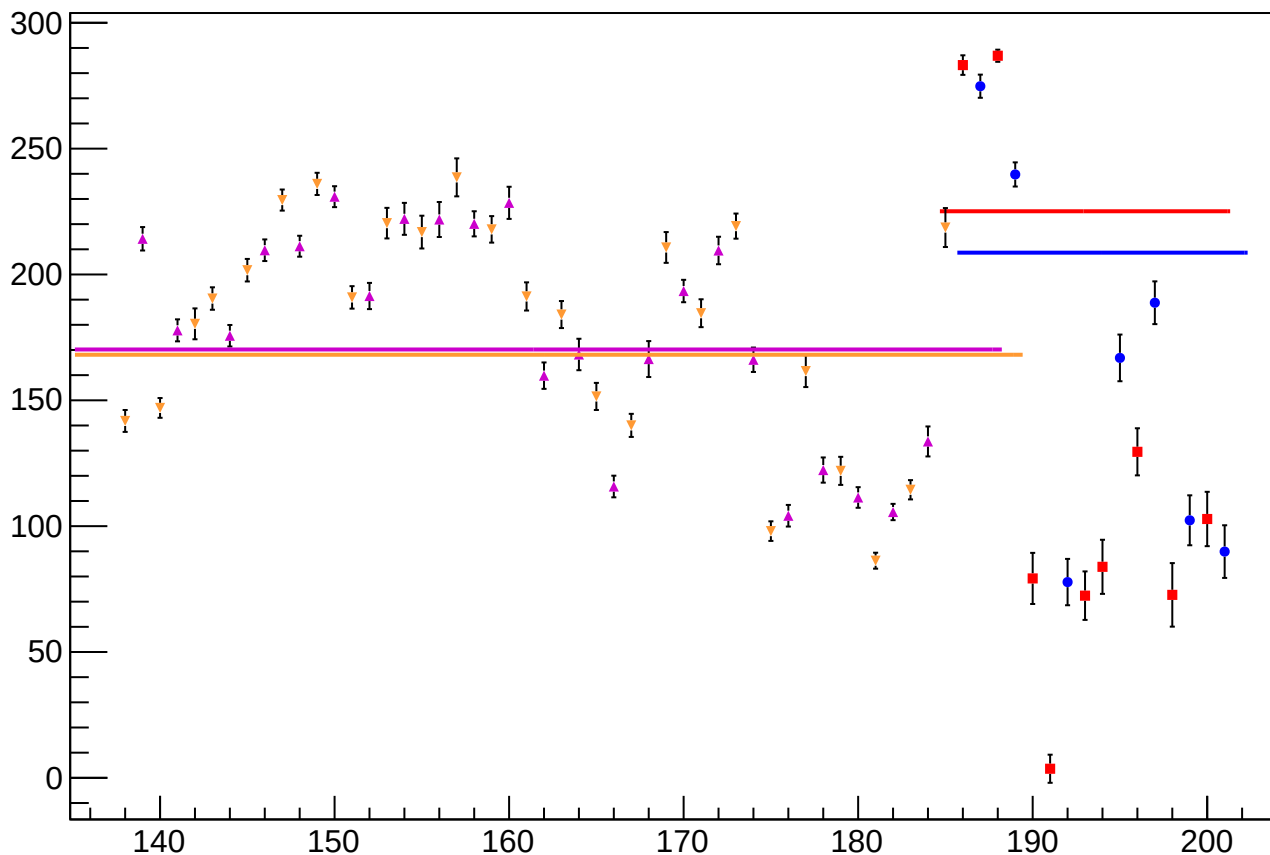
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -140.825 ± 0.039 $\chi^2/\text{NDF}: 311633.1/48$

All: -136.663 ± 0.027 $\chi^2/\text{NDF}: 1057784.7/99$

- sign -132.753 ± 0.038 $\chi^2/\text{NDF}: 724069.0/50$

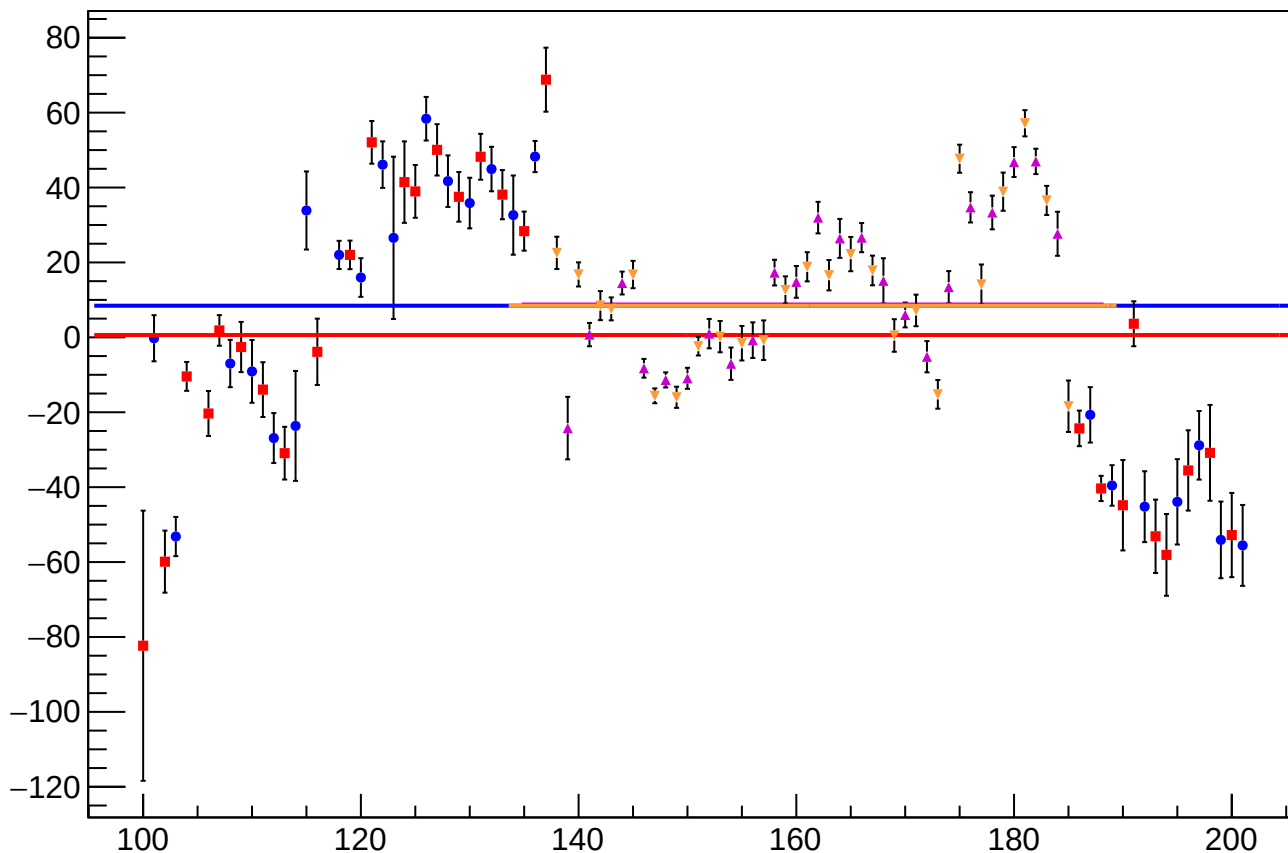
reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 208.671 $\pm$ 2.606 χ^2 /NDF: 720.1/6
 Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF:2468.8/24
 Right Out: 225.115 $\pm$ 1.752 χ^2 /NDF: 3462.7/8
 Left In: 170.198 $\pm$ 0.995 χ^2 /NDF:2024.5/22

+ sign 173.043 $\pm$ 0.909 χ^2 /NDF: 3401.7/31
 All: 178.582 $\pm$ 0.627 χ^2 /NDF: 9702.3/63
 - sign 183.599 $\pm$ 0.865 χ^2 /NDF: 6229.9/31

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 8.446 ± 1.356 $\chi^2/\text{NDF}: 727.2/23$

Left Out: 8.436 ± 0.728 $\chi^2/\text{NDF}: 752.0/24$

Right Out: 0.617 ± 1.174 $\chi^2/\text{NDF}: 816.8/27$

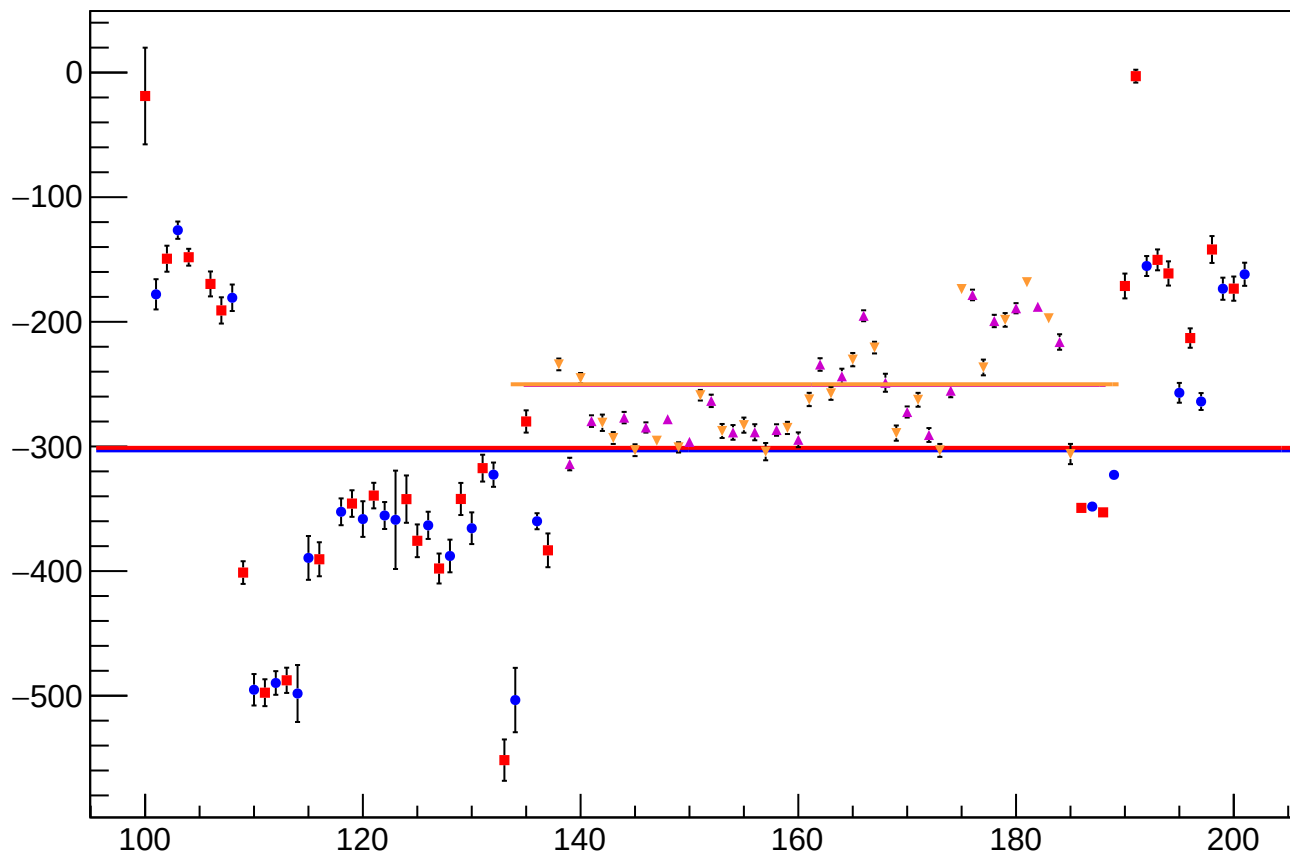
Left In: 8.769 ± 0.758 $\chi^2/\text{NDF}: 626.8/22$

+ sign 8.439 ± 0.641 $\chi^2/\text{NDF}: 1479.2/48$

All: 7.397 ± 0.452 $\chi^2/\text{NDF}: 2962.1/99$

- sign 6.370 ± 0.637 $\chi^2/\text{NDF}: 1477.6/50$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.139+/-1.692 χ^2/NDF : 2923.2/23

Left Out: -250.119+/-0.972 χ^2/NDF : 2246.9/24

Right Out: -301.115+/-1.254 χ^2/NDF : 7813.3/27

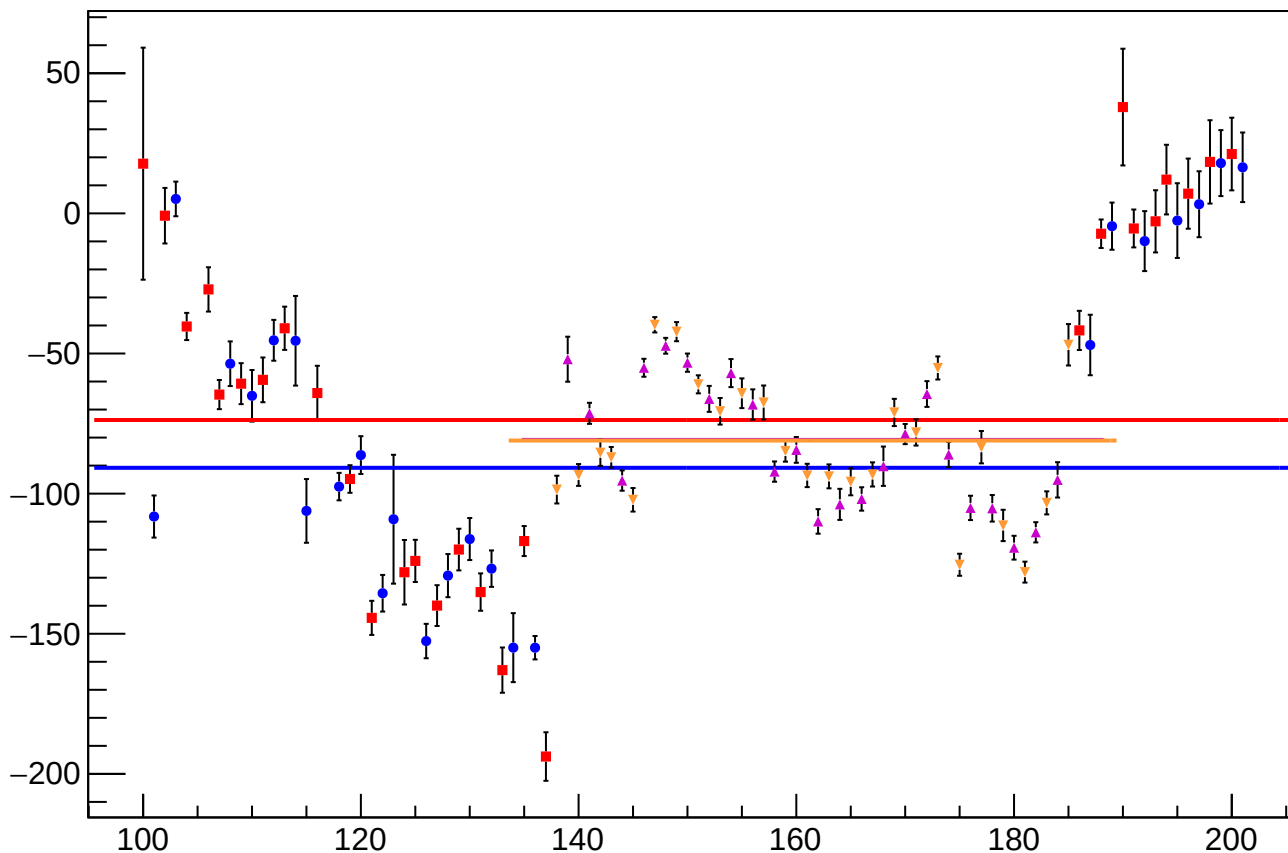
Left In: -250.628+/-0.990 χ^2/NDF : 1937.1/22

+ sign -263.281+/-0.843 χ^2/NDF : 5908.4/48

All: -266.925+/-0.571 χ^2/NDF : 16691.6/99

- sign -270.023+/-0.777 χ^2/NDF : 10748.7/50

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -90.785 ± 1.585 $\chi^2/\text{NDF}: 1253.4/23$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -73.727 ± 1.415 $\chi^2/\text{NDF}: 1520.1/27$

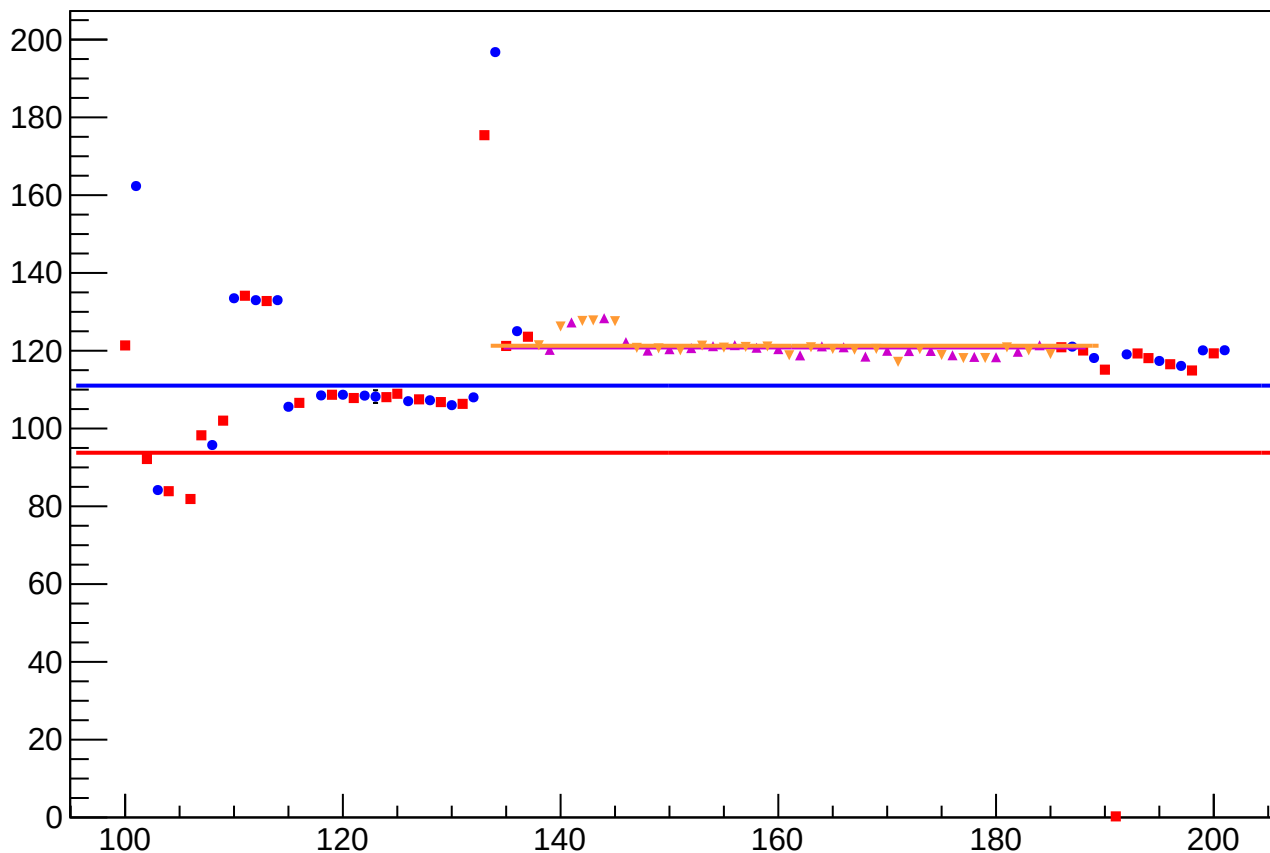
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -83.201 ± 0.744 $\chi^2/\text{NDF}: 2195.8/48$

All: -81.034 ± 0.526 $\chi^2/\text{NDF}: 4444.2/99$

- sign -78.878 ± 0.742 $\chi^2/\text{NDF}: 2231.5/50$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 111.029 $\pm$ 0.074 χ^2 /NDF: 77072.5/23

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 93.770 $\pm$ 0.064 χ^2 /NDF: 353416.5/27

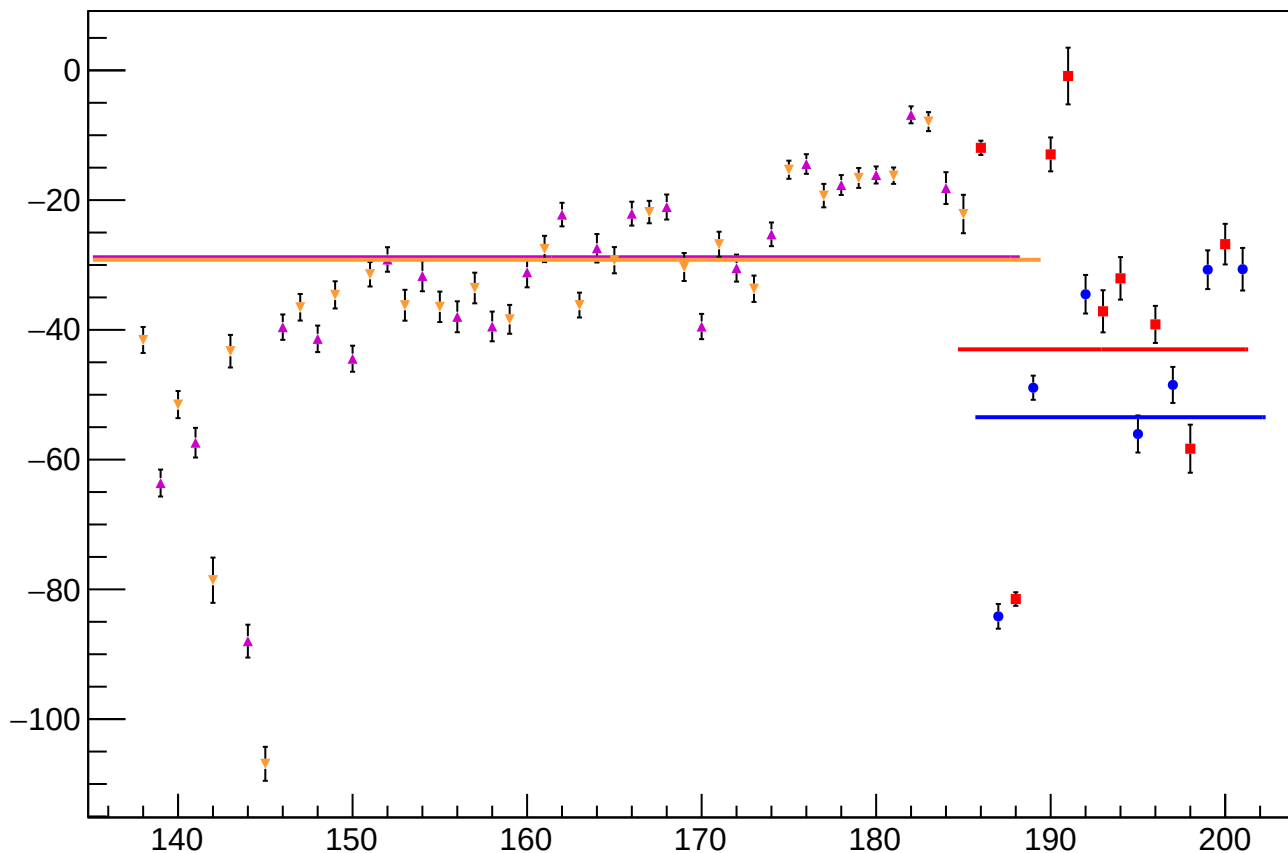
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.945 $\pm$ 0.035 χ^2 /NDF: 96918.1/48

All: 115.958 $\pm$ 0.025 χ^2 /NDF: 594123.2/99

- sign 113.112 $\pm$ 0.034 χ^2 /NDF: 483173.5/50

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -53.466 ± 0.939 χ^2/NDF : 416.2/6

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -43.003 ± 0.643 χ^2/NDF : 2431.2/8

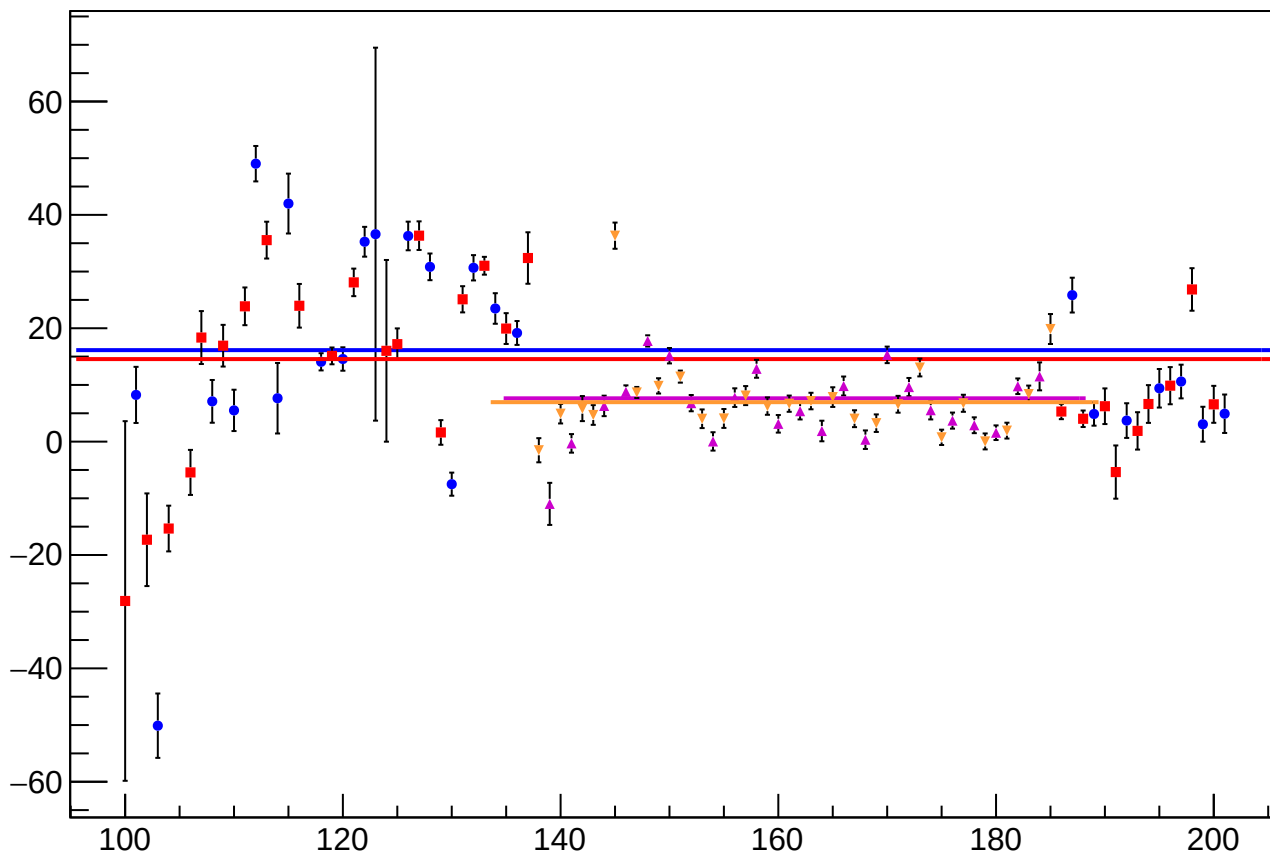
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -32.748 ± 0.359 χ^2/NDF : 2868.0/31

All: -32.726 ± 0.246 χ^2/NDF : 7417.1/63

- sign -32.707 ± 0.337 χ^2/NDF : 4549.0/31

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 16.139 $\pm$ 0.561 χ^2 /NDF: 727.0/23

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF:321.3/24

Right Out: 14.559 $\pm$ 0.498 χ^2 /NDF: 609.5/27

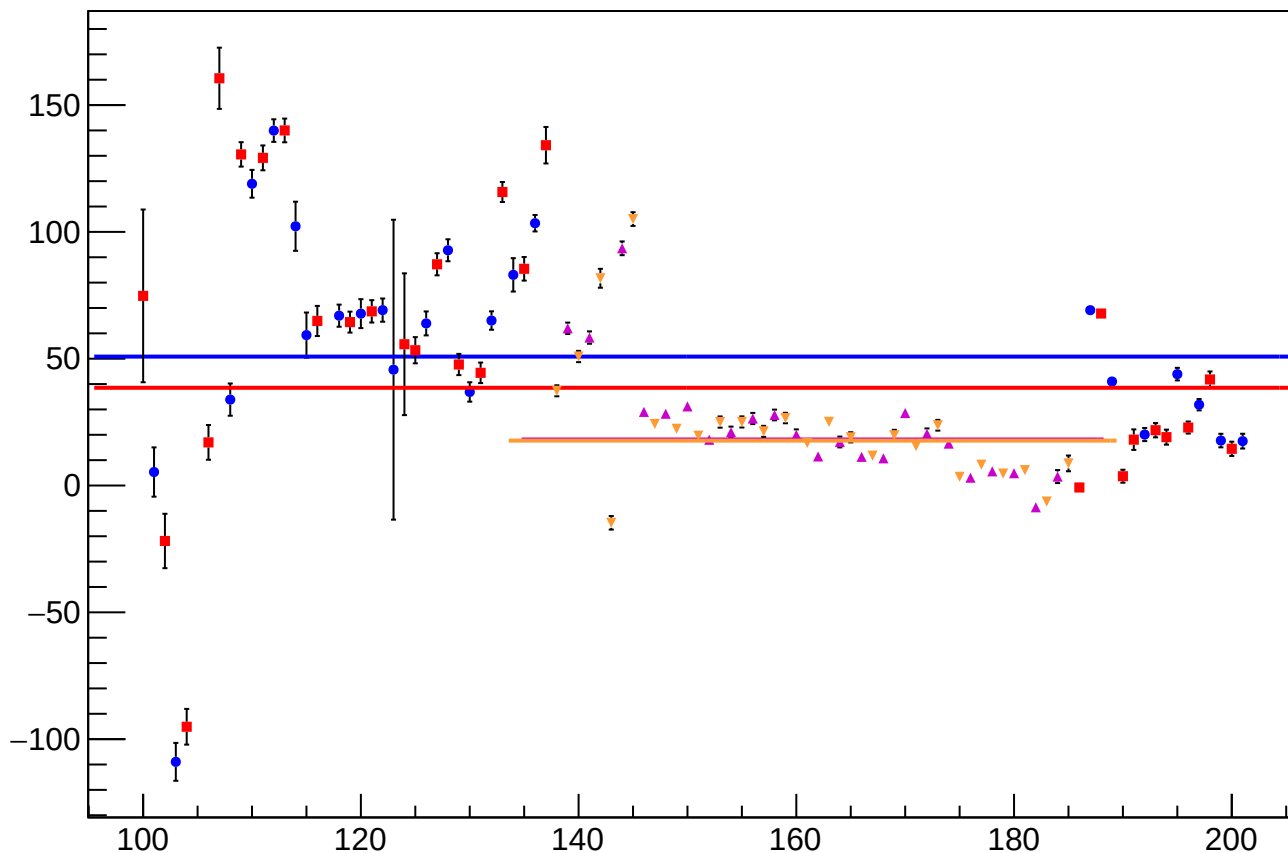
Left In: 7.638 $\pm$ 0.313 χ^2 /NDF:337.7/22

+ sign 9.033 $\pm$ 0.267 χ^2 /NDF: 1255.6/48

All: 9.318 $\pm$ 0.188 χ^2 /NDF: 2343.2/99

- sign 9.600 $\pm$ 0.265 χ^2 /NDF: 1085.3/50

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 50.832 $\pm$ 0.669 χ^2 /NDF: 2206.3/23

Left Out: 17.705 $\pm$ 0.387 χ^2 /NDF: 2432.2/24

Right Out: 38.537 $\pm$ 0.487 χ^2 /NDF: 6203.2/27

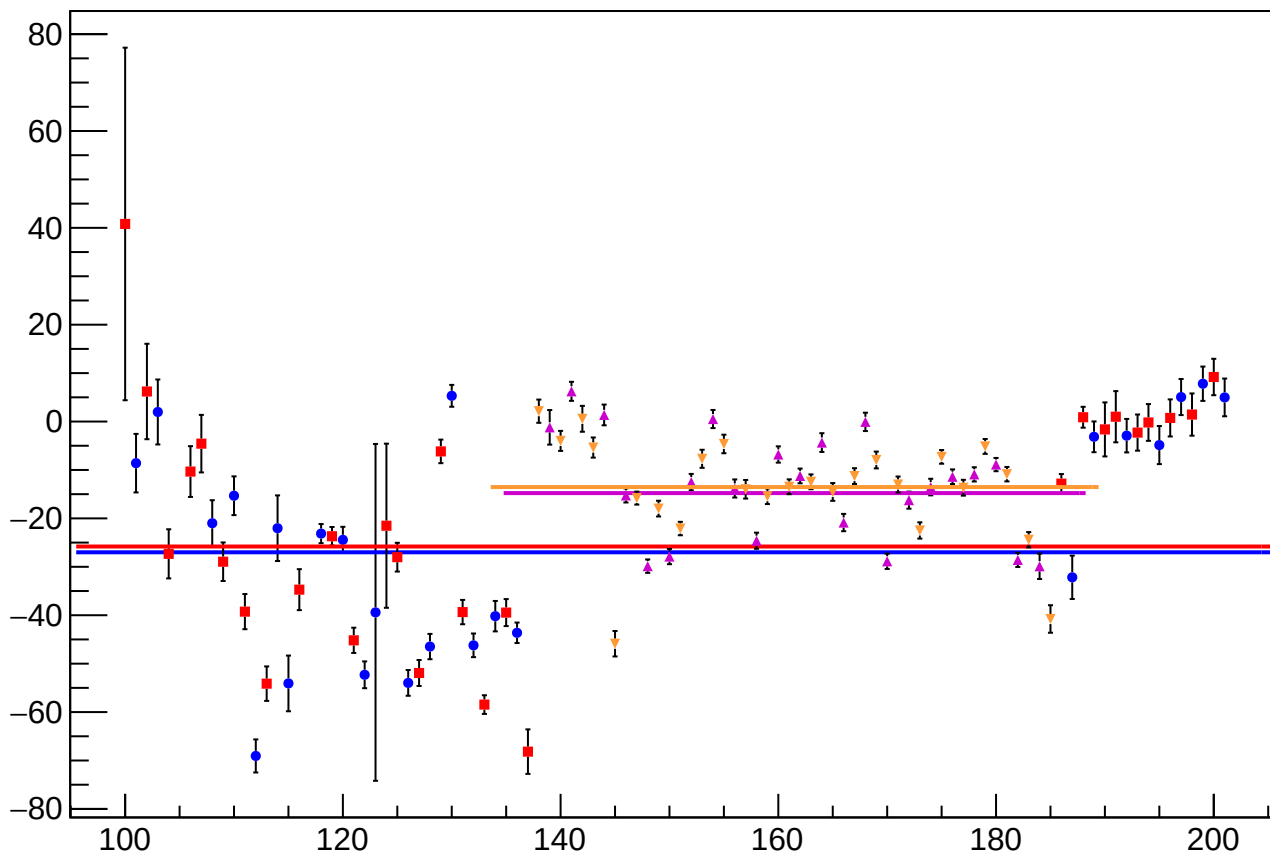
Left In: 18.150 $\pm$ 0.393 χ^2 /NDF: 2339.4/22

+ sign 26.013 $\pm$ 0.335 χ^2 /NDF: 6474.0/48

All: 26.106 $\pm$ 0.226 χ^2 /NDF: 16079.4/99

- sign 26.184 $\pm$ 0.306 χ^2 /NDF: 9605.3/50

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -27.003 ± 0.658 $\chi^2/\text{NDF}: 1181.1/23$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -25.808 ± 0.607 $\chi^2/\text{NDF}: 1259.9/27$

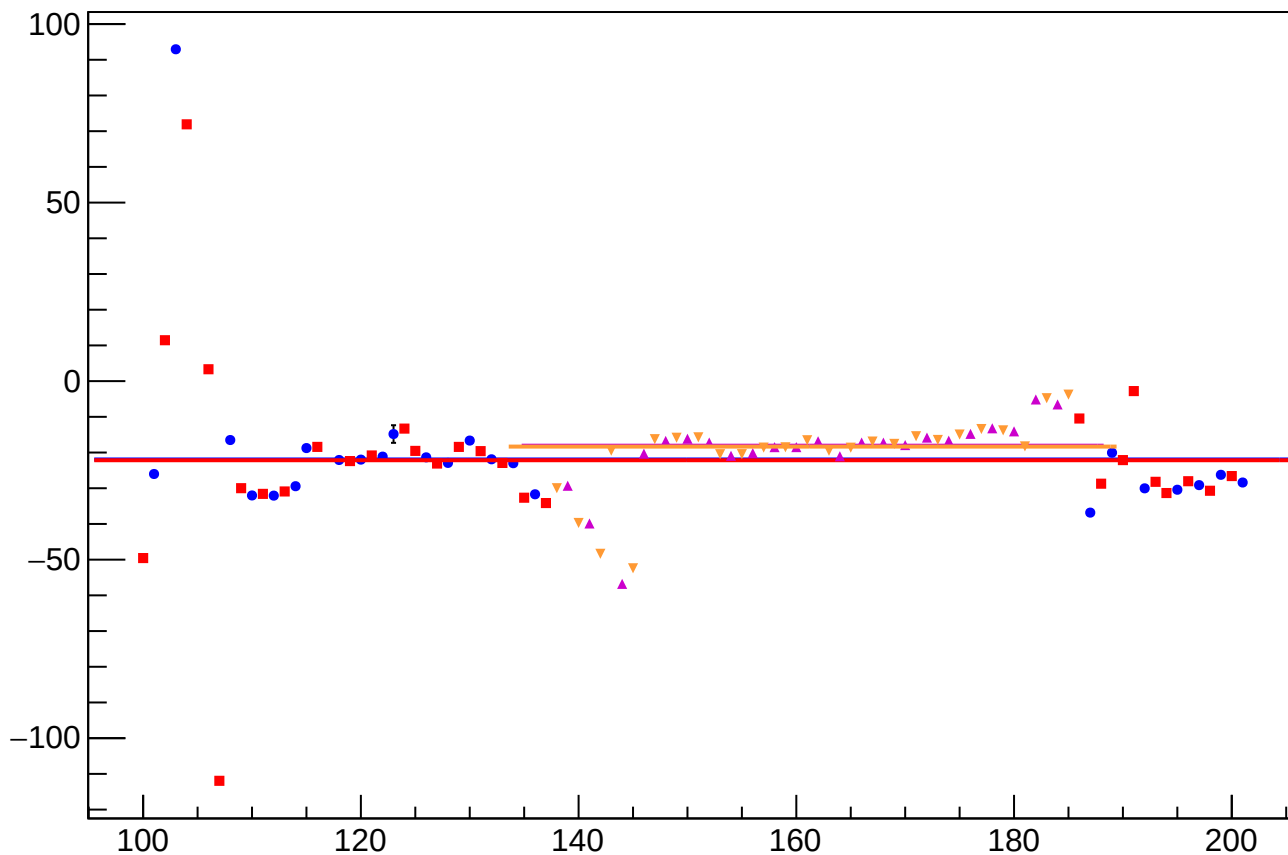
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -16.424 ± 0.305 $\chi^2/\text{NDF}: 2083.2/48$

All: -16.998 ± 0.216 $\chi^2/\text{NDF}: 4434.4/99$

- sign -17.576 ± 0.306 $\chi^2/\text{NDF}: 2344.1/50$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.944 ± 0.032 χ^2/NDF : 512523.1/23

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -22.155 ± 0.030 χ^2/NDF : 485643.1/27

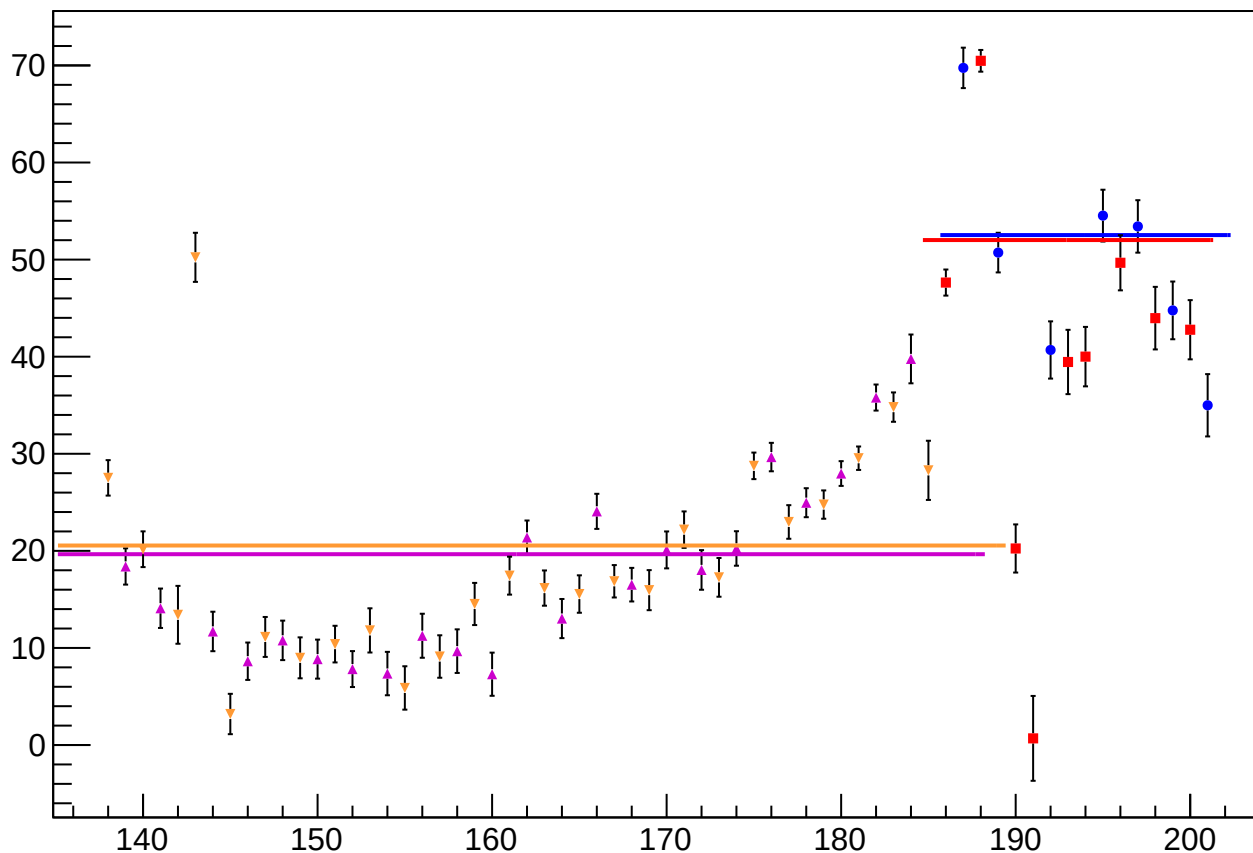
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -19.035 ± 0.014 χ^2/NDF : 806763.9/48

All: -19.003 ± 0.010 χ^2/NDF : 1548336.8/99

- sign -18.971 ± 0.014 χ^2/NDF : 741562.7/50

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 52.526 $\pm$ 0.965 χ^2 /NDF: 122.6/6

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 52.013 $\pm$ 0.691 χ^2 /NDF: 631.1/8

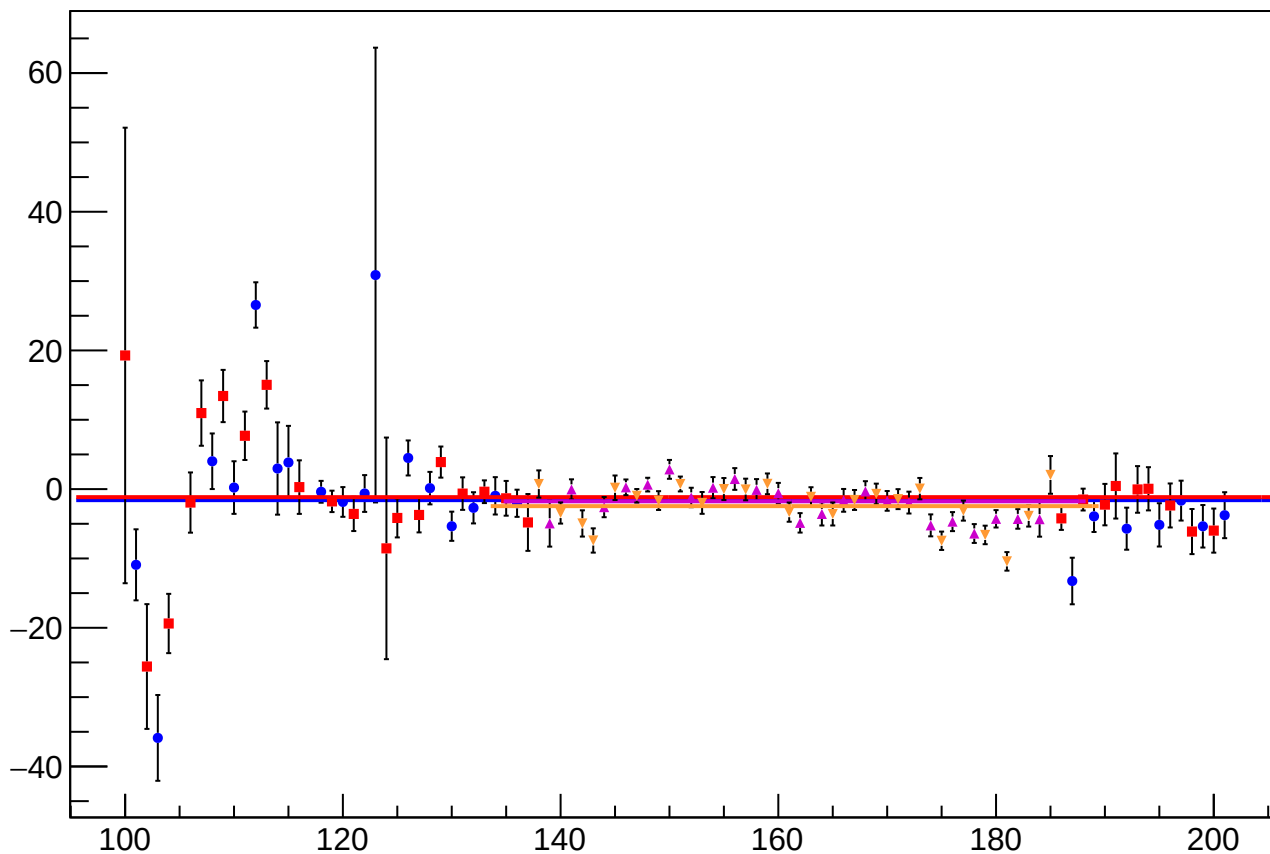
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 24.705 $\pm$ 0.348 χ^2 /NDF: 1703.6/31

All: 25.997 $\pm$ 0.241 χ^2 /NDF: 4615.6/63

- sign 27.181 $\pm$ 0.333 χ^2 /NDF: 2885.6/31

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.591 ± 0.569 χ^2/NDF : 141.5/23

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.161 ± 0.518 χ^2/NDF : 94.9/27

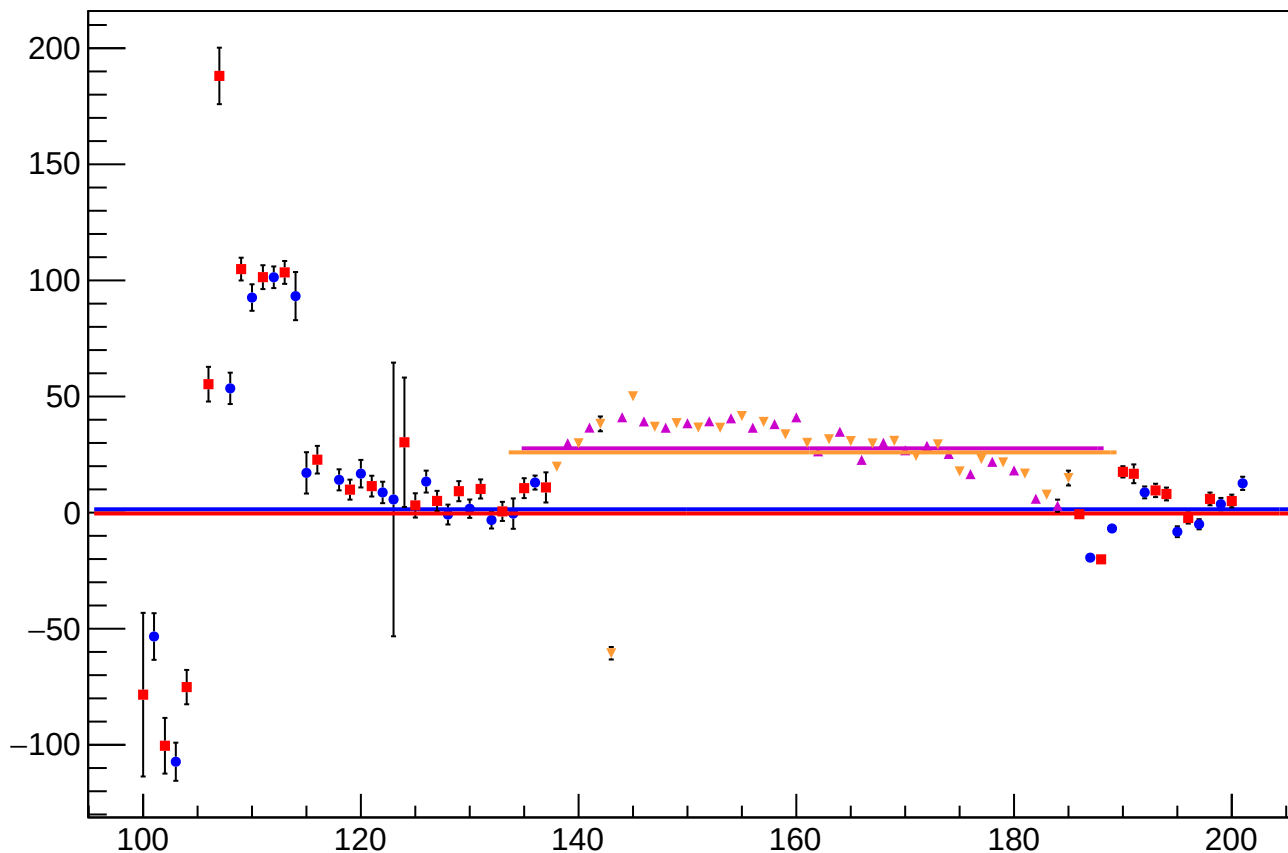
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.274 ± 0.260 χ^2/NDF : 249.3/48

All: -1.942 ± 0.184 χ^2/NDF : 415.9/99

- sign -1.607 ± 0.261 χ^2/NDF : 163.3/50

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 1.431 ± 0.687 χ^2/NDF : 1320.8/23

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -0.376 ± 0.523 χ^2/NDF : 2403.2/27

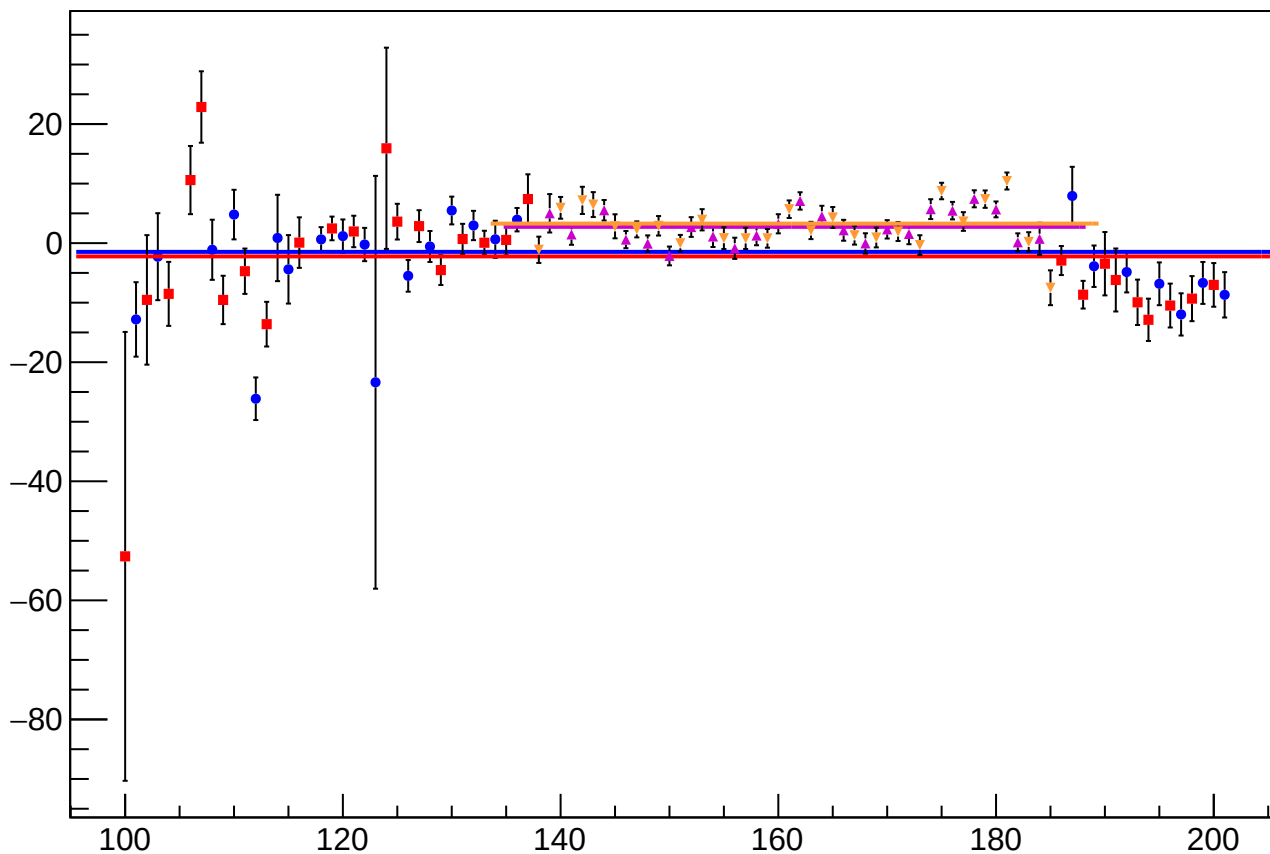
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 20.373 ± 0.327 χ^2/NDF : 4016.1/48

All: 19.127 ± 0.224 χ^2/NDF : 9141.1/99

- sign 18.035 ± 0.306 χ^2/NDF : 5097.8/50

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.466 ± 0.662 χ^2/NDF : 100.5/23

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.230 ± 0.624 χ^2/NDF : 97.6/27

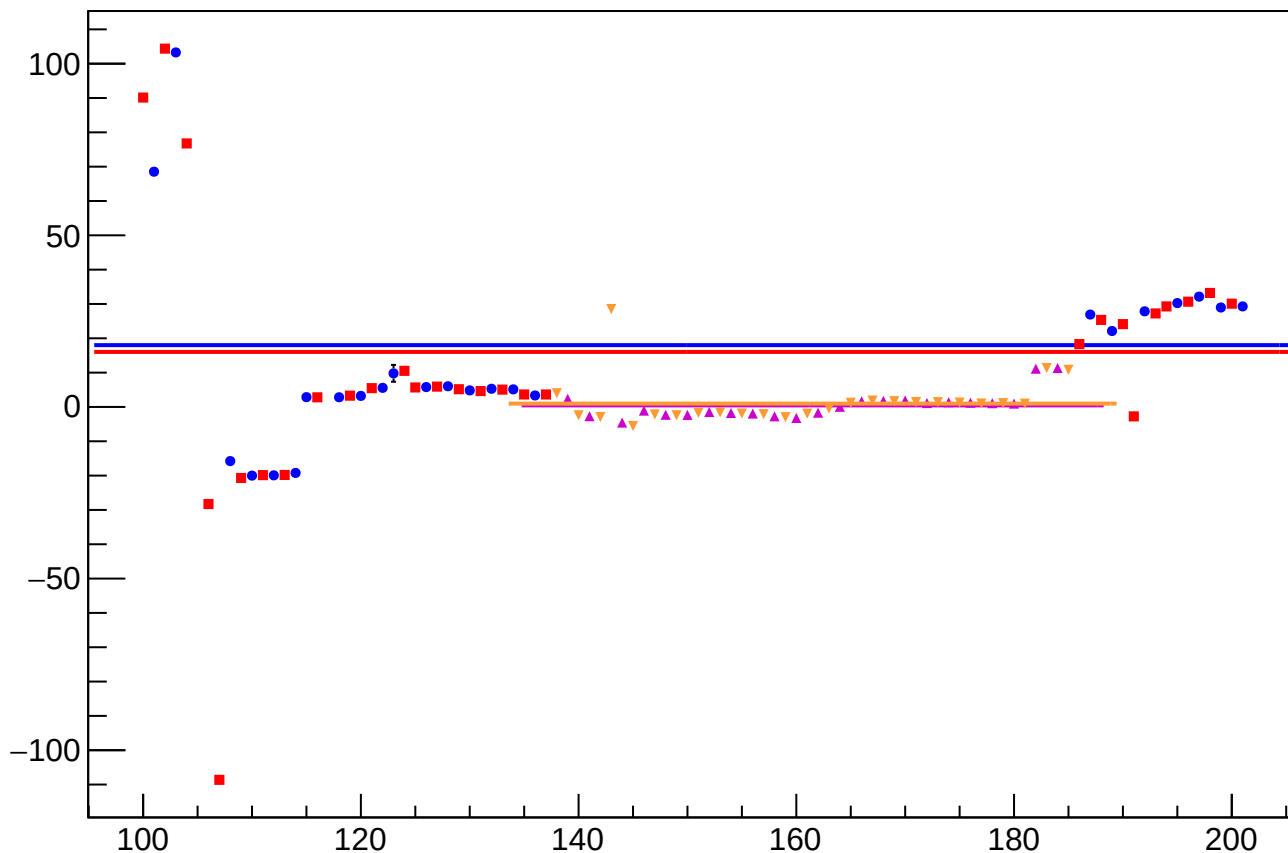
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.332 ± 0.296 χ^2/NDF : 243.9/48

All: 1.967 ± 0.211 χ^2/NDF : 457.8/99

- sign 1.595 ± 0.299 χ^2/NDF : 210.9/50

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 18.008 $\pm$ 0.032 χ^2 /NDF: 471236.6/23

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF:117391.3/24

Right Out: 16.035 $\pm$ 0.030 χ^2 /NDF: 695114.2/27

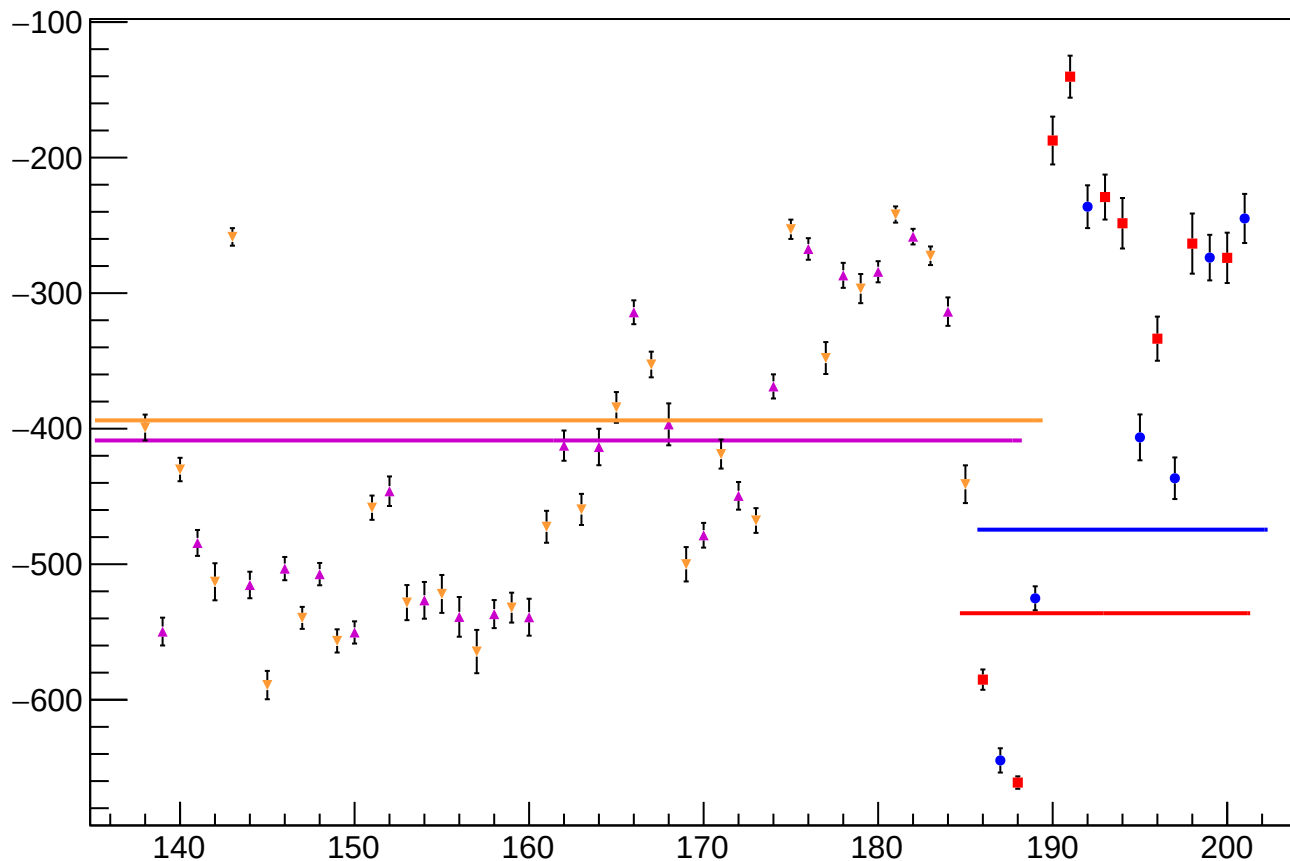
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF:50699.8/22

+ sign 4.133 $\pm$ 0.014 χ^2 /NDF: 821384.6/48

All: 3.894 $\pm$ 0.010 χ^2 /NDF: 1777341.1/99

- sign 3.653 $\pm$ 0.014 χ^2 /NDF: 955345.2/50

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -474.499 ± 4.794 χ^2/NDF : 946.4/6

Left Out: -393.871 ± 1.897 χ^2/NDF : 3772.8/24

Right Out: -536.154 ± 3.375 χ^2/NDF : 2911.7/8

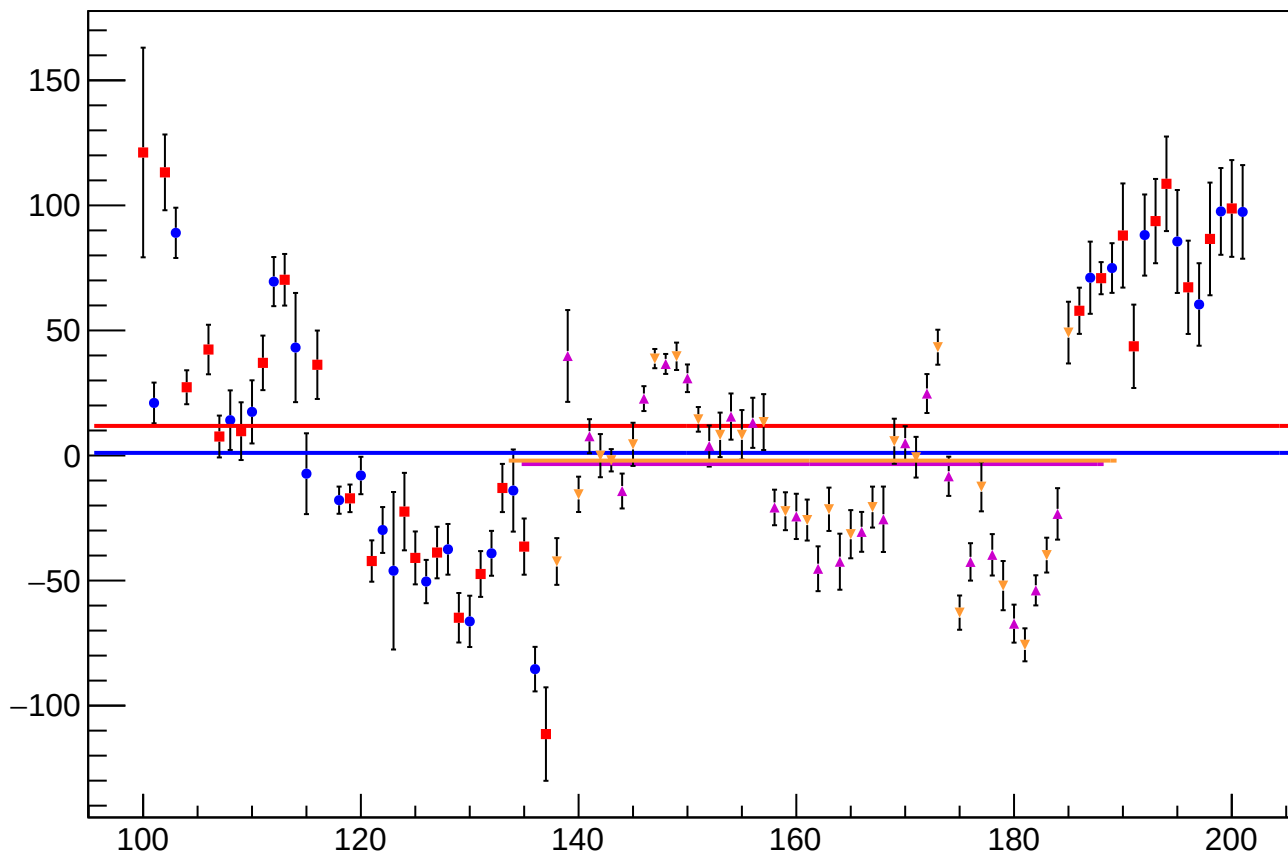
Left In: -408.696 ± 1.979 χ^2/NDF : 3062.9/22

+ sign -404.785 ± 1.764 χ^2/NDF : 4963.7/31

All: -423.640 ± 1.227 χ^2/NDF : 12220.7/63

- sign -441.301 ± 1.707 χ^2/NDF : 7035.8/31

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 1.048 ± 2.174 χ^2/NDF : 568.3/23

Left Out: -2.037 ± 1.424 χ^2/NDF : 563.8/24

Right Out: 11.831 ± 1.995 χ^2/NDF : 618.2/27

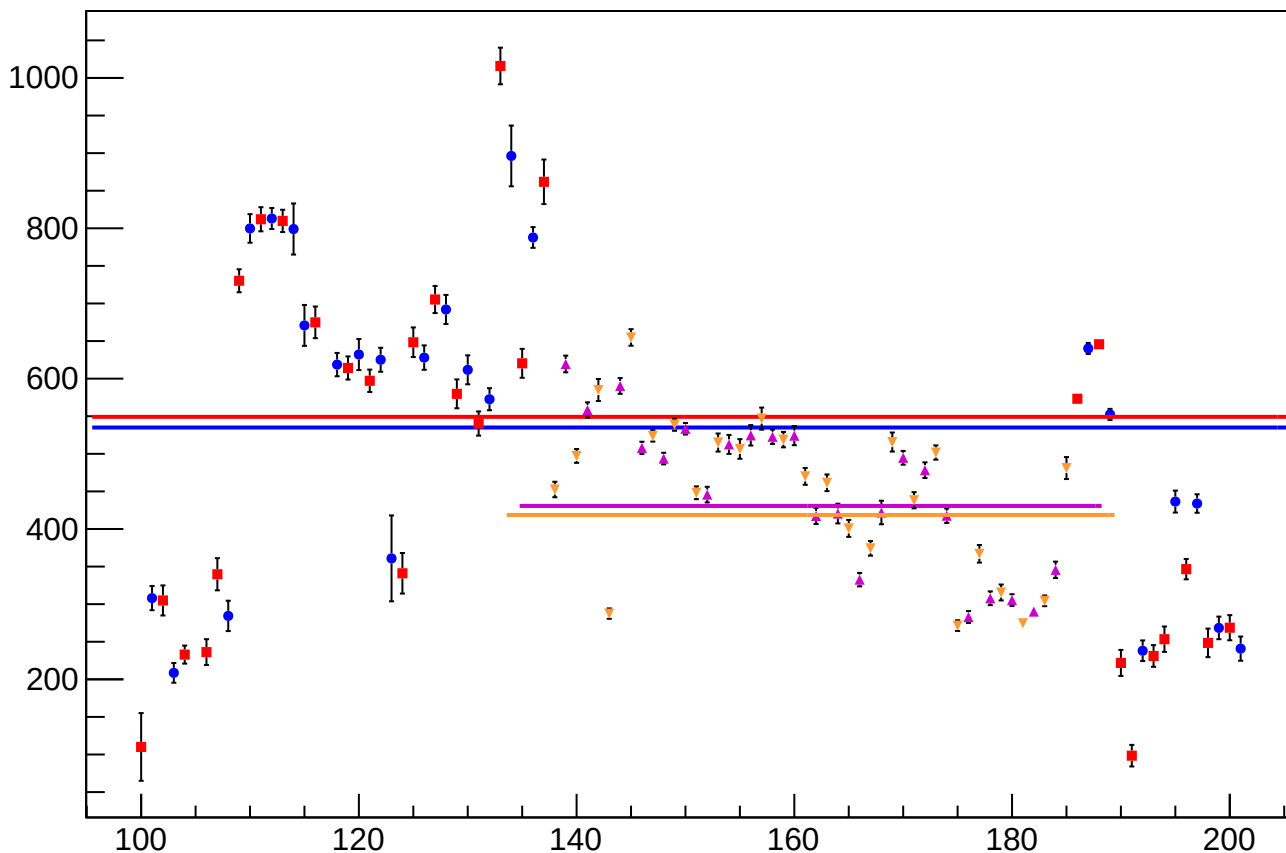
Left In: -3.420 ± 1.520 χ^2/NDF : 451.0/22

+ sign -1.111 ± 1.191 χ^2/NDF : 1133.5/48

All: 0.511 ± 0.849 χ^2/NDF : 2243.4/99

- sign 2.182 ± 1.209 χ^2/NDF : 1106.2/50

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 535.002 ± 2.959 $\chi^2/\text{NDF}: 3712.1/23$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 549.204 ± 2.307 $\chi^2/\text{NDF}: 6395.7/27$

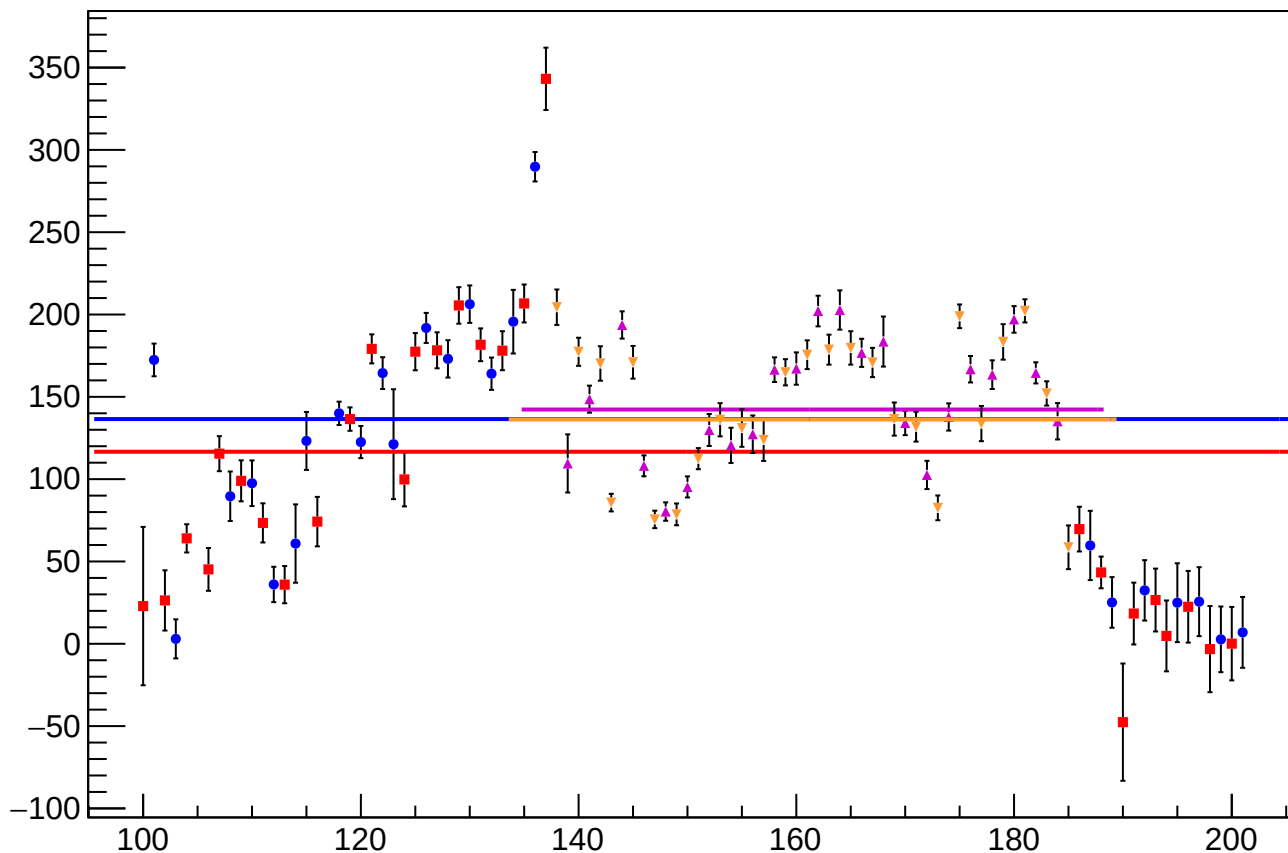
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 452.762 ± 1.602 $\chi^2/\text{NDF}: 8101.2/48$

All: 467.642 ± 1.094 $\chi^2/\text{NDF}: 19036.4/99$

- sign 480.664 ± 1.498 $\chi^2/\text{NDF}: 10773.4/50$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 136.491 ± 2.550 χ^2/NDF : 891.1/23

Left Out: 136.258 ± 1.651 χ^2/NDF : 758.3/24

Right Out: 116.647 ± 2.384 χ^2/NDF : 862.4/27

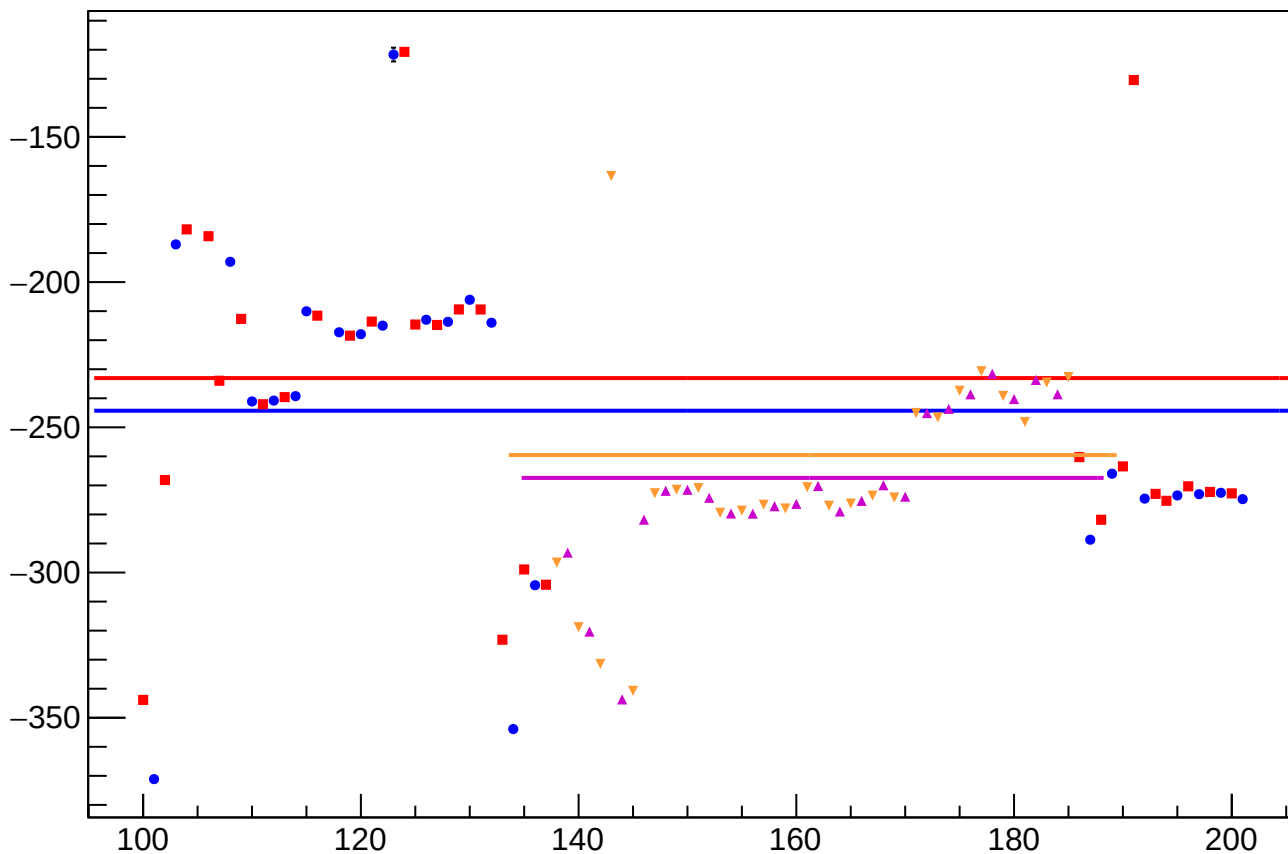
Left In: 142.296 ± 1.745 χ^2/NDF : 459.8/22

+ sign 136.327 ± 1.386 χ^2/NDF : 1649.4/48

All: 134.861 ± 0.988 χ^2/NDF : 3049.3/99

- sign 133.348 ± 1.408 χ^2/NDF : 1397.6/50

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -244.285 ± 0.129 $\chi^2/\text{NDF}: 162352.0/23$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -233.046 ± 0.119 $\chi^2/\text{NDF}: 170145.0/27$

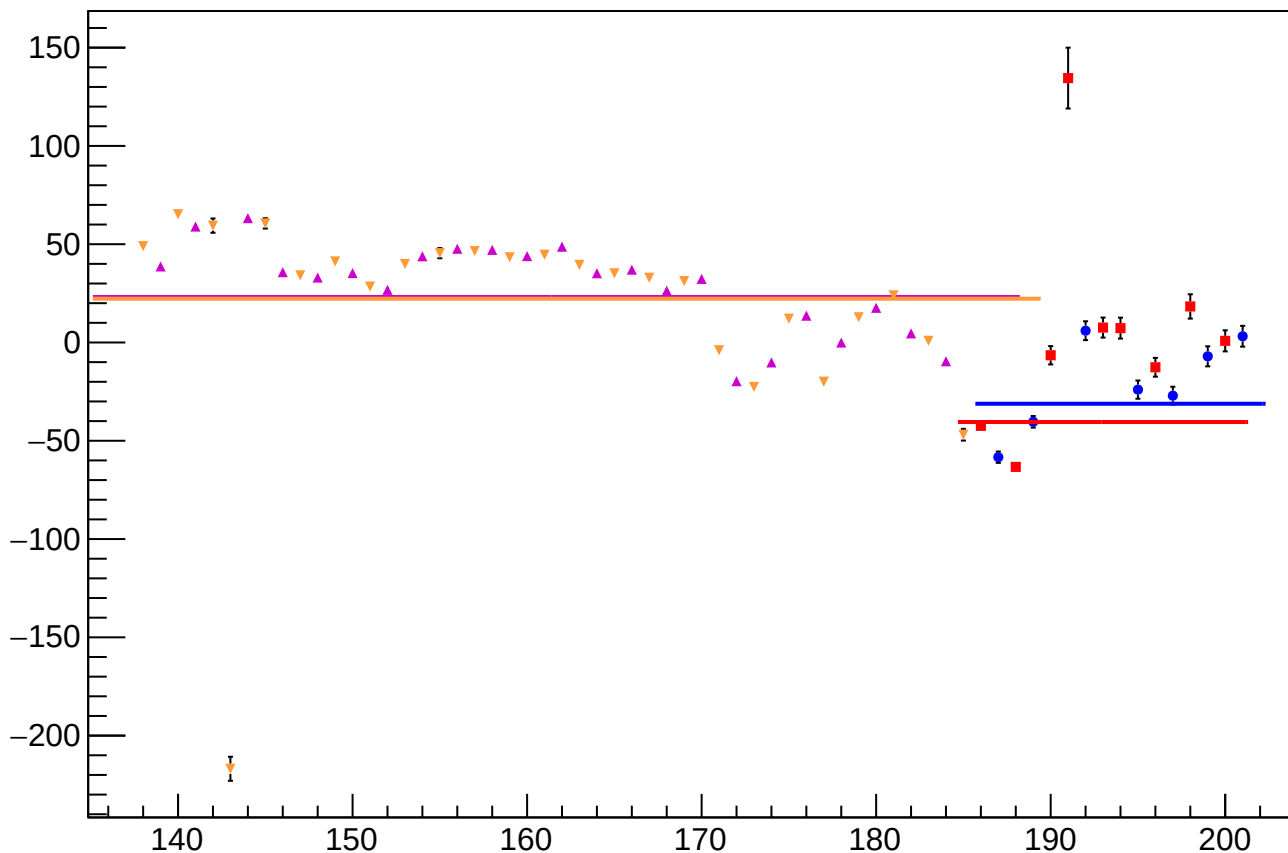
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -255.393 ± 0.067 $\chi^2/\text{NDF}: 410753.3/48$

All: -255.875 ± 0.048 $\chi^2/\text{NDF}: 736037.3/99$

- sign -256.355 ± 0.067 $\chi^2/\text{NDF}: 325182.0/50$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -31.164 ± 1.495 $\chi^2/\text{NDF}: 226.1/6$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -40.461 ± 1.017 $\chi^2/\text{NDF}: 748.7/8$

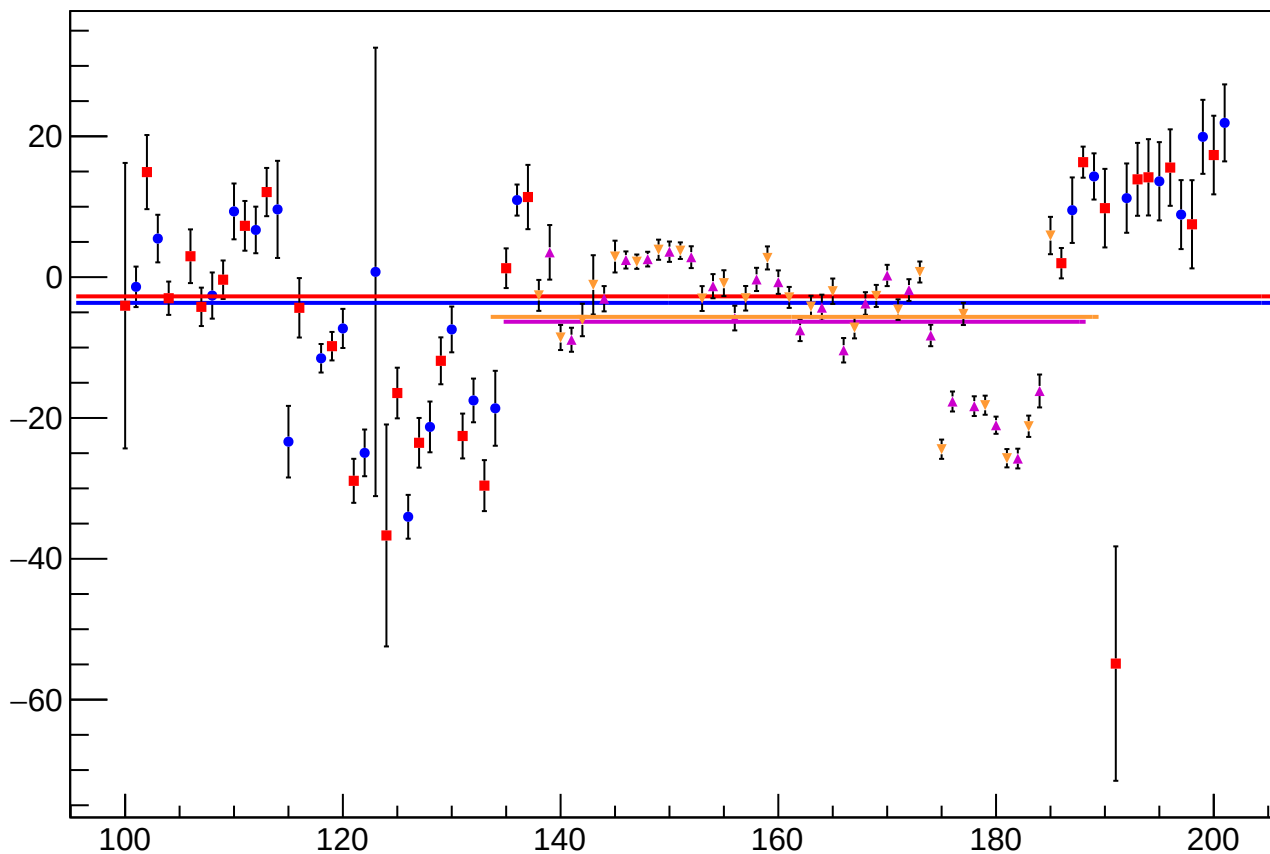
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 18.730 ± 0.385 $\chi^2/\text{NDF}: 6590.0/31$

All: 16.580 ± 0.268 $\chi^2/\text{NDF}: 13528.2/63$

- sign 14.560 ± 0.373 $\chi^2/\text{NDF}: 6877.8/31$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -3.654 ± 0.721 χ^2/NDF : 402.9/23

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -2.731 ± 0.653 χ^2/NDF : 431.9/27

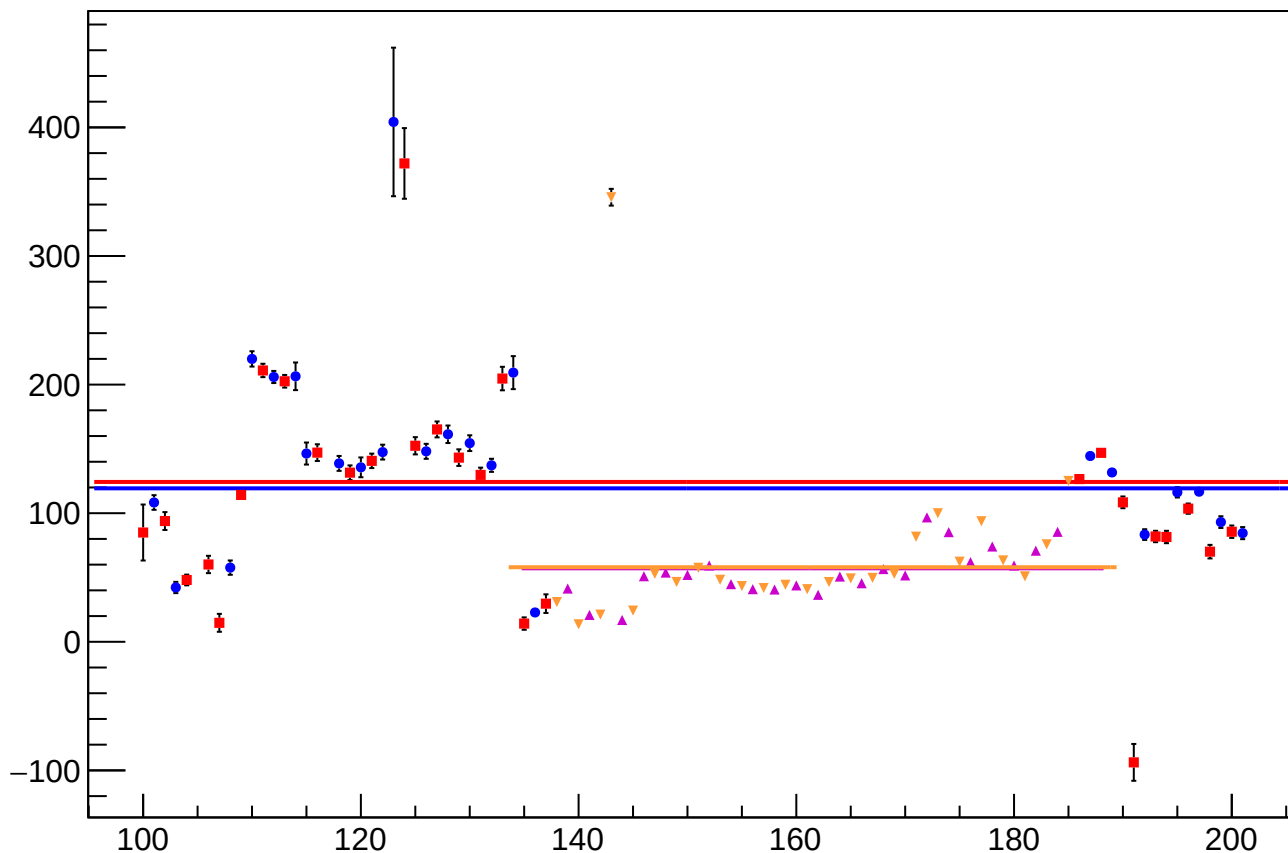
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -5.322 ± 0.289 χ^2/NDF : 1303.0/48

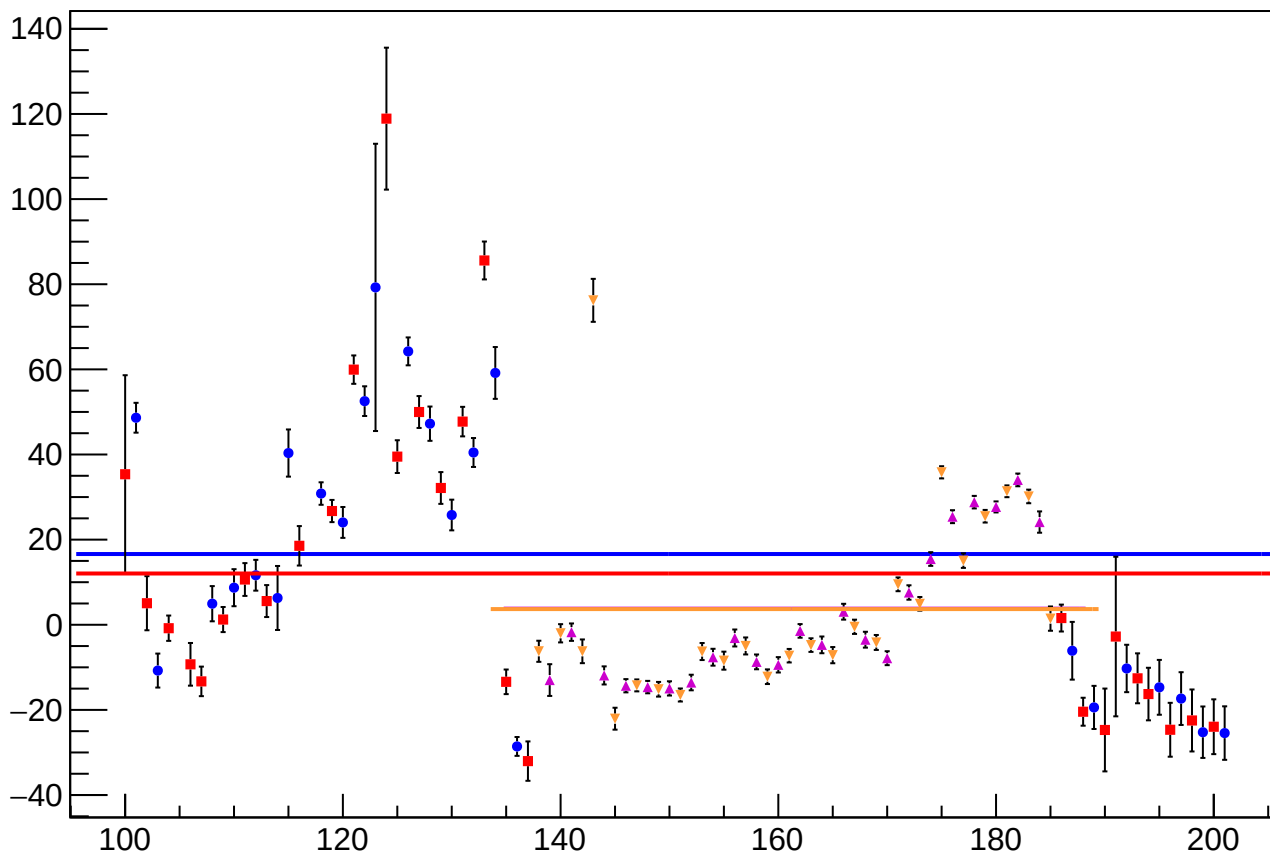
All: -5.479 ± 0.204 χ^2/NDF : 2543.0/99

- sign -5.635 ± 0.288 χ^2/NDF : 1239.4/50

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 16.618 $\pm$ 0.836 χ^2 /NDF: 1328.3/23

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF: 2541.7/24

Right Out: 12.044 $\pm$ 0.780 χ^2 /NDF: 1369.4/27

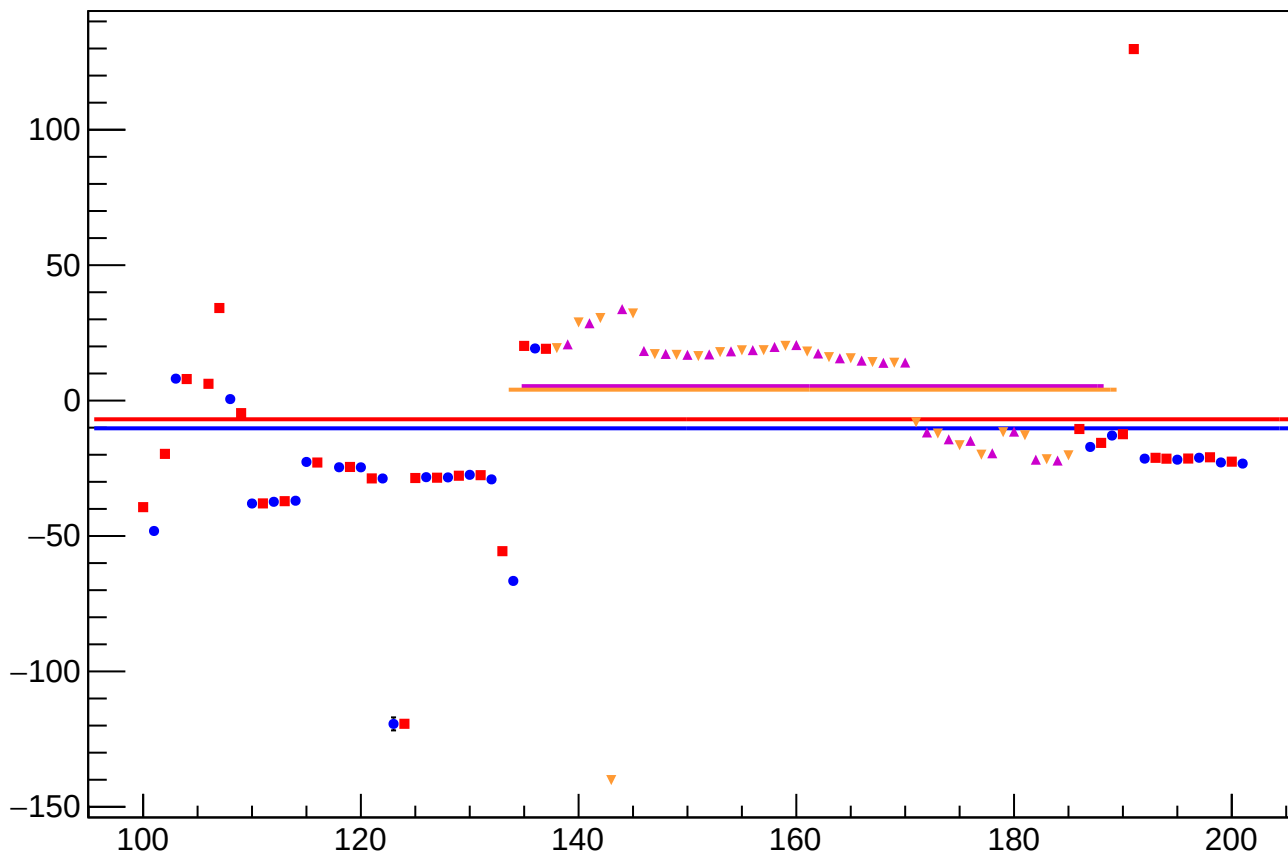
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 5.675 $\pm$ 0.328 χ^2 /NDF: 4072.4/48

All: 5.461 $\pm$ 0.232 χ^2 /NDF: 7733.7/99

- sign 5.247 $\pm$ 0.328 χ^2 /NDF: 3660.5/50

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -10.241 ± 0.040 χ^2/NDF : 292539.6/23

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -6.903 ± 0.038 χ^2/NDF : 376809.5/27

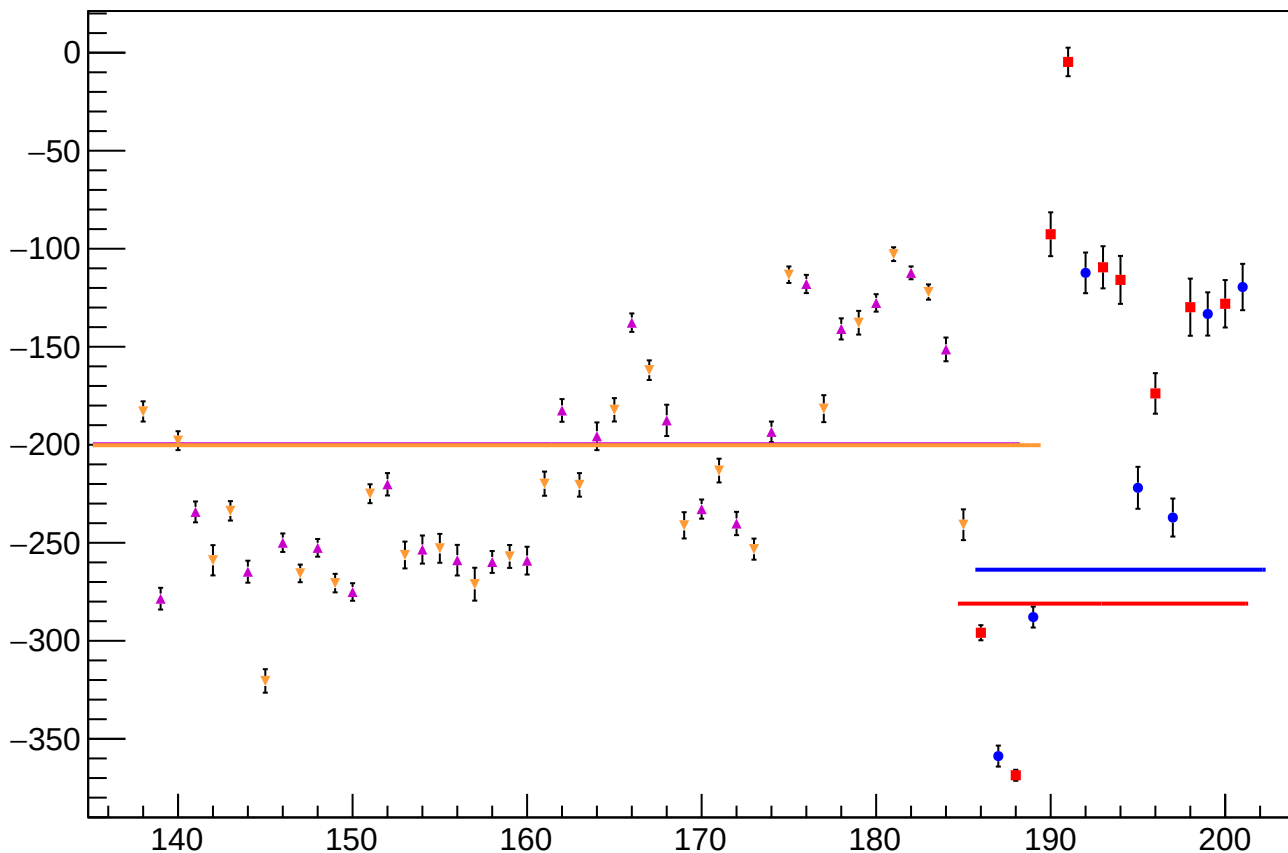
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.948 ± 0.015 χ^2/NDF : 1786354.9/48

All: 2.687 ± 0.011 χ^2/NDF : 3332523.0/99

- sign 3.422 ± 0.015 χ^2/NDF : 1541407.2/50

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -263.723 ± 2.964 χ^2/NDF : 859.9/6

Left Out: -200.228 ± 1.078 χ^2/NDF : 3225.0/24

Right Out: -281.030 ± 1.973 χ^2/NDF : 3521.5/8

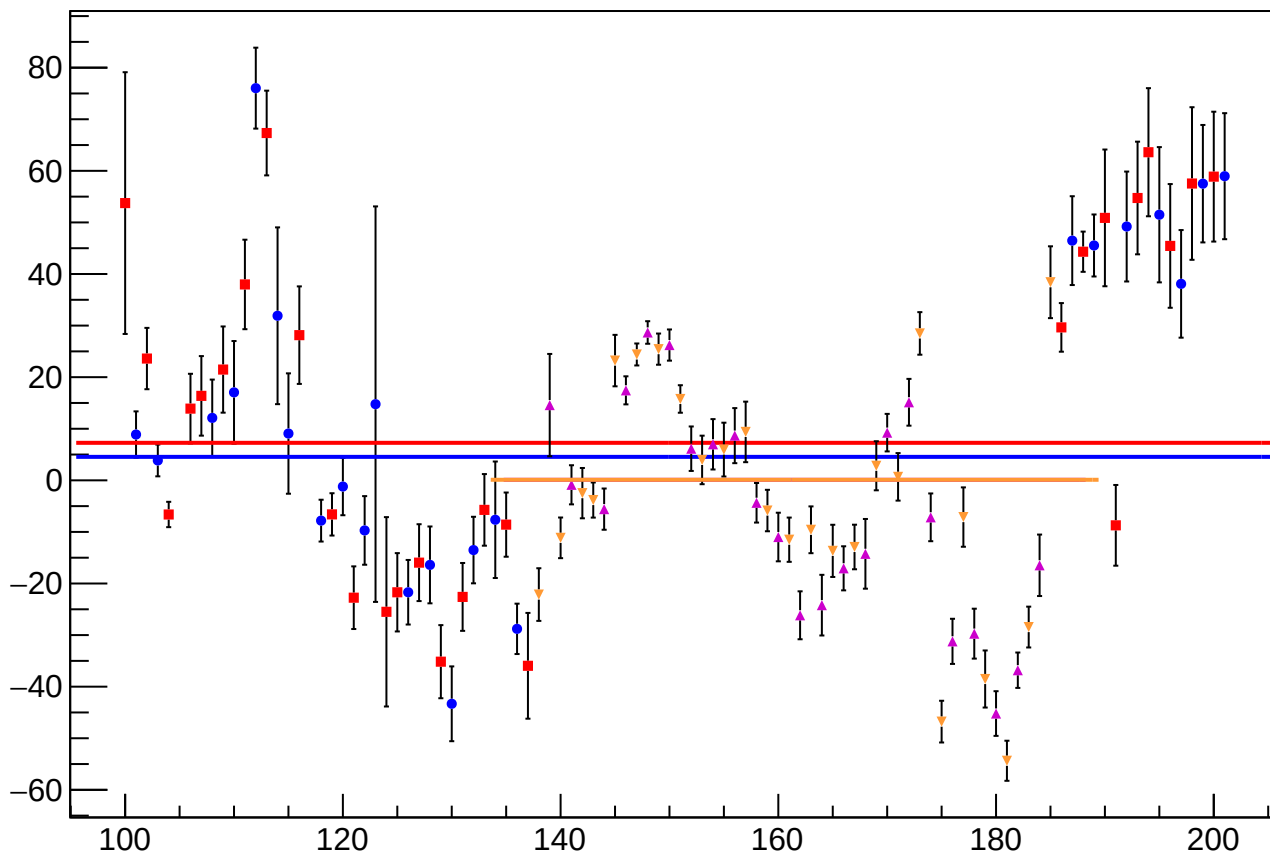
Left In: -199.739 ± 1.097 χ^2/NDF : 2968.0/22

+ sign -207.645 ± 1.013 χ^2/NDF : 4490.3/31

All: -213.602 ± 0.696 χ^2/NDF : 12341.7/63

- sign -218.943 ± 0.959 χ^2/NDF : 7785.8/31

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 4.551 ± 1.358 $\chi^2/\text{NDF}: 381.5/23$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 7.273 ± 1.215 $\chi^2/\text{NDF}: 472.4/27$

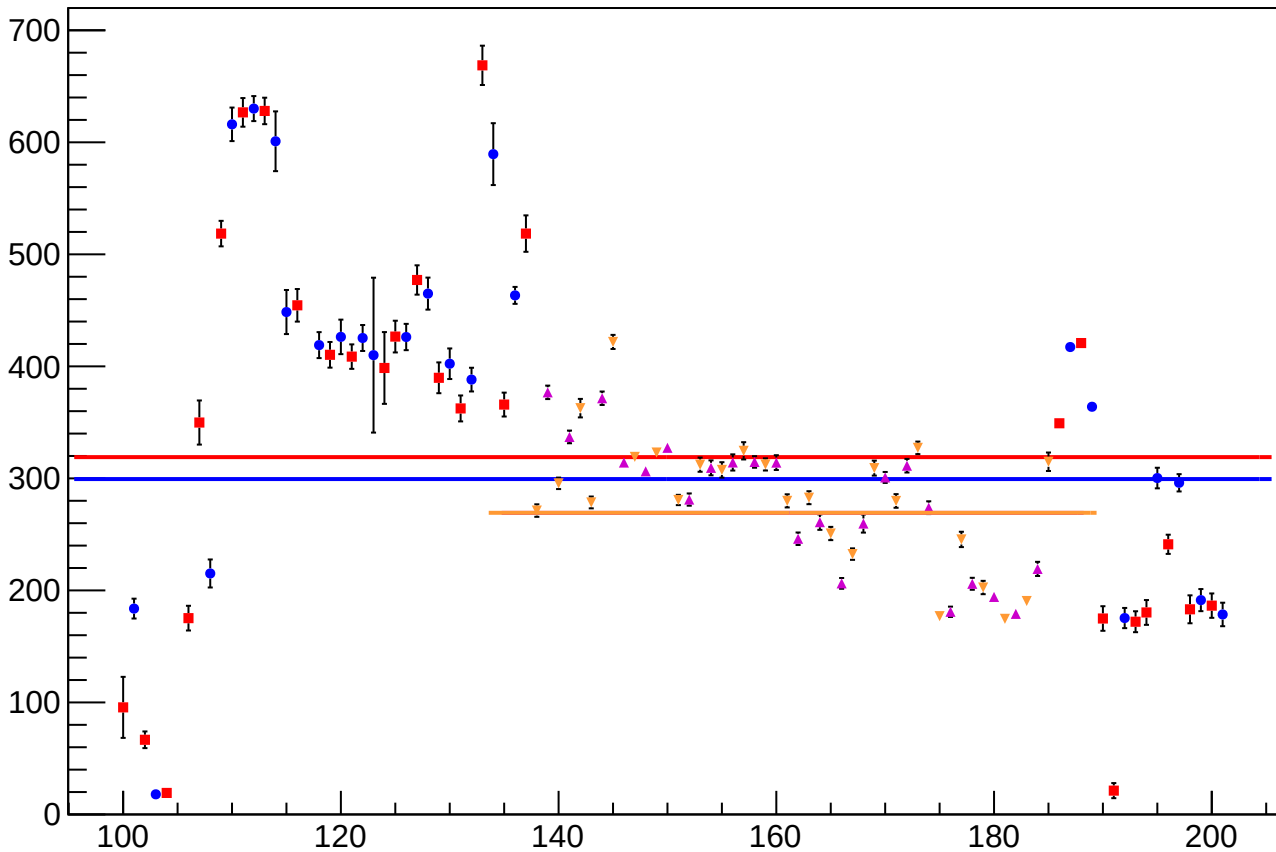
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 1.269 ± 0.694 $\chi^2/\text{NDF}: 1220.6/48$

All: 1.843 ± 0.489 $\chi^2/\text{NDF}: 2433.5/99$

- sign 2.410 ± 0.690 $\chi^2/\text{NDF}: 1211.5/50$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 299.396 $\pm$ 1.758 χ^2 /NDF: 9176.1/23

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 318.981 $\pm$ 1.354 χ^2 /NDF: 13756.5/27

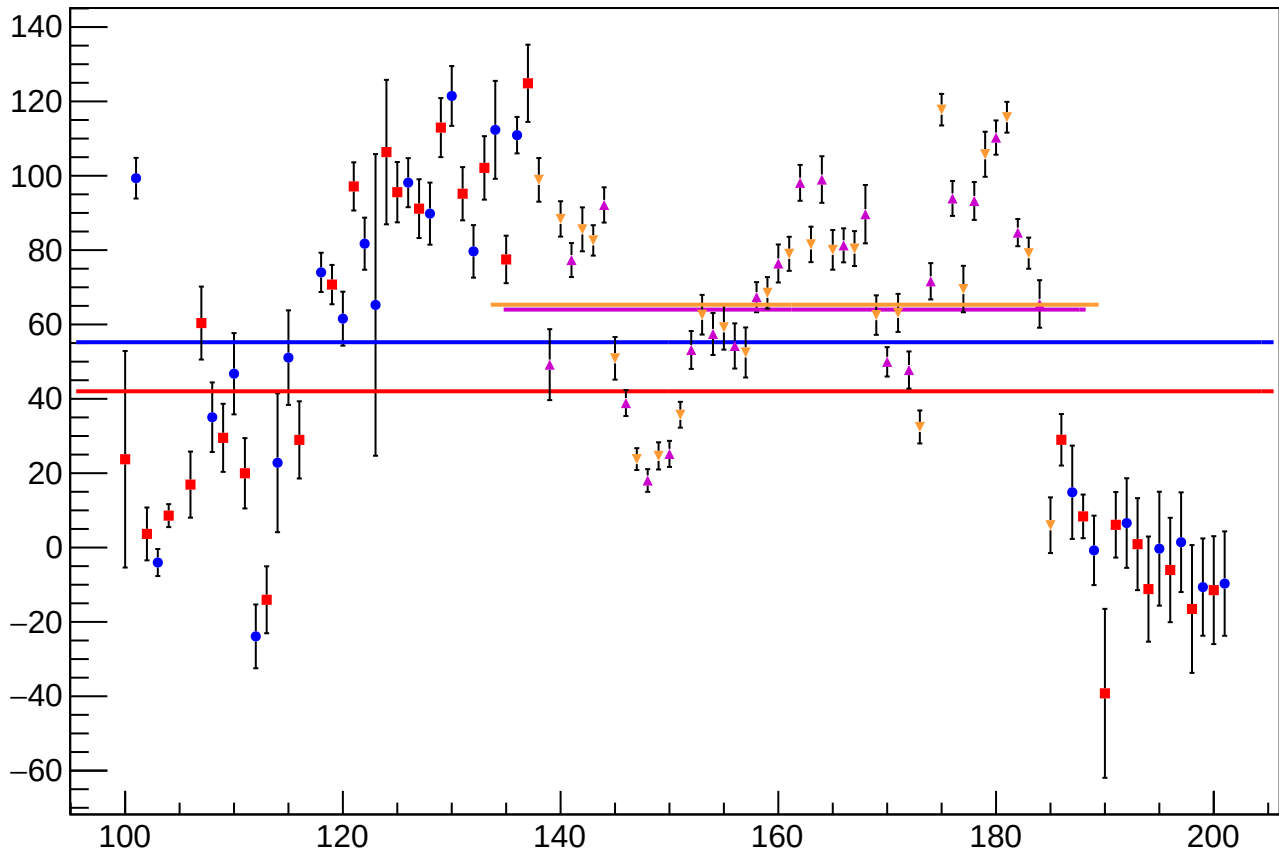
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 277.503 $\pm$ 0.919 χ^2 /NDF: 12536.1/48

All: 283.587 $\pm$ 0.624 χ^2 /NDF: 30364.3/99

- sign 288.786 $\pm$ 0.849 χ^2 /NDF: 17746.9/50

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 55.227 ± 1.596 $\chi^2/\text{NDF}: 877.1/23$

Left Out: 65.323 ± 0.935 $\chi^2/\text{NDF}: 1007.1/24$

Right Out: 42.033 ± 1.475 $\chi^2/\text{NDF}: 807.8/27$

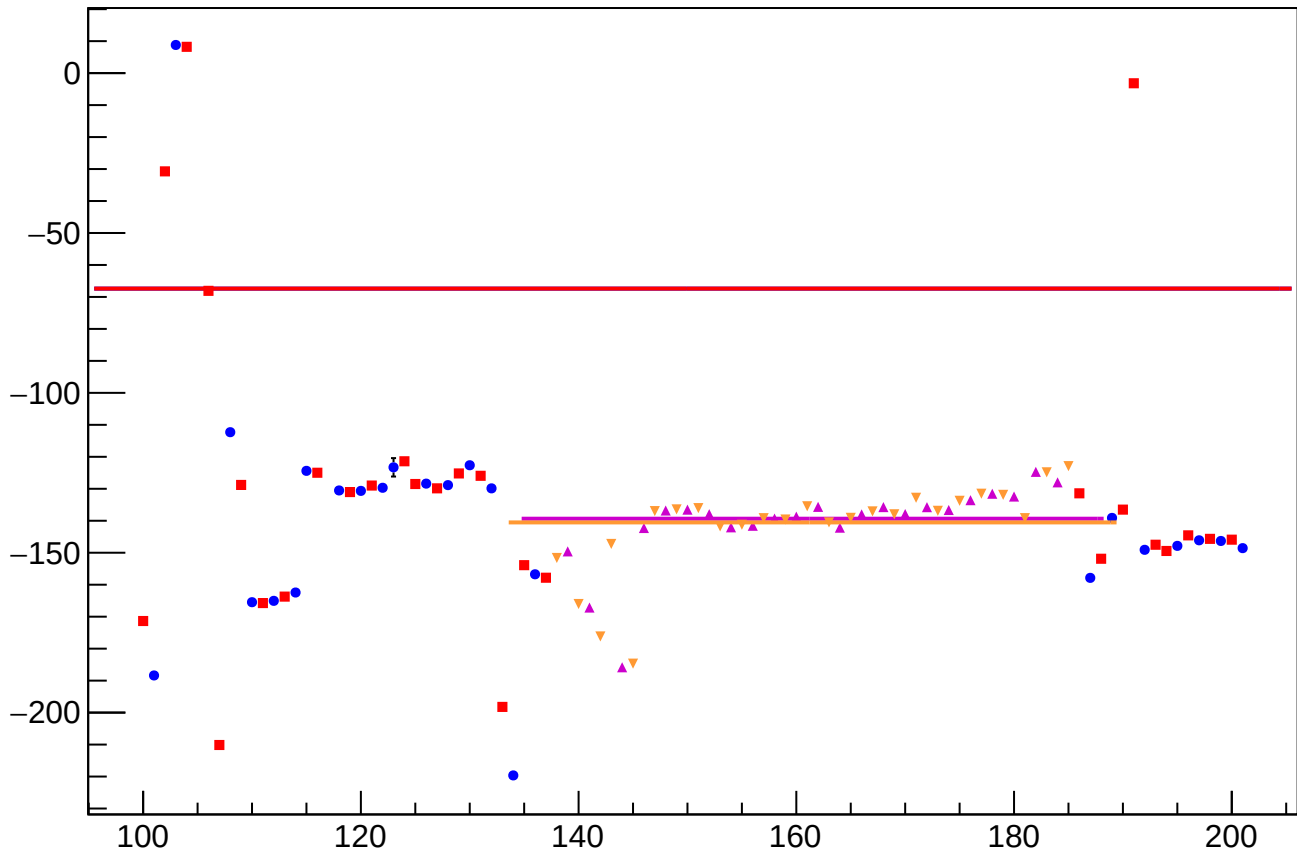
Left In: 63.999 ± 0.963 $\chi^2/\text{NDF}: 799.5/22$

+ sign 62.744 ± 0.806 $\chi^2/\text{NDF}: 1914.0/48$

All: 60.090 ± 0.570 $\chi^2/\text{NDF}: 3698.3/99$

- sign 57.438 ± 0.806 $\chi^2/\text{NDF}: 1762.7/50$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -67.405 ± 0.065 χ^2/NDF : 1493817.4/23

Left Out: -140.519 ± 0.045 χ^2/NDF : 77489.0/24

Right Out: -67.391 ± 0.063 χ^2/NDF : 1336734.6/27

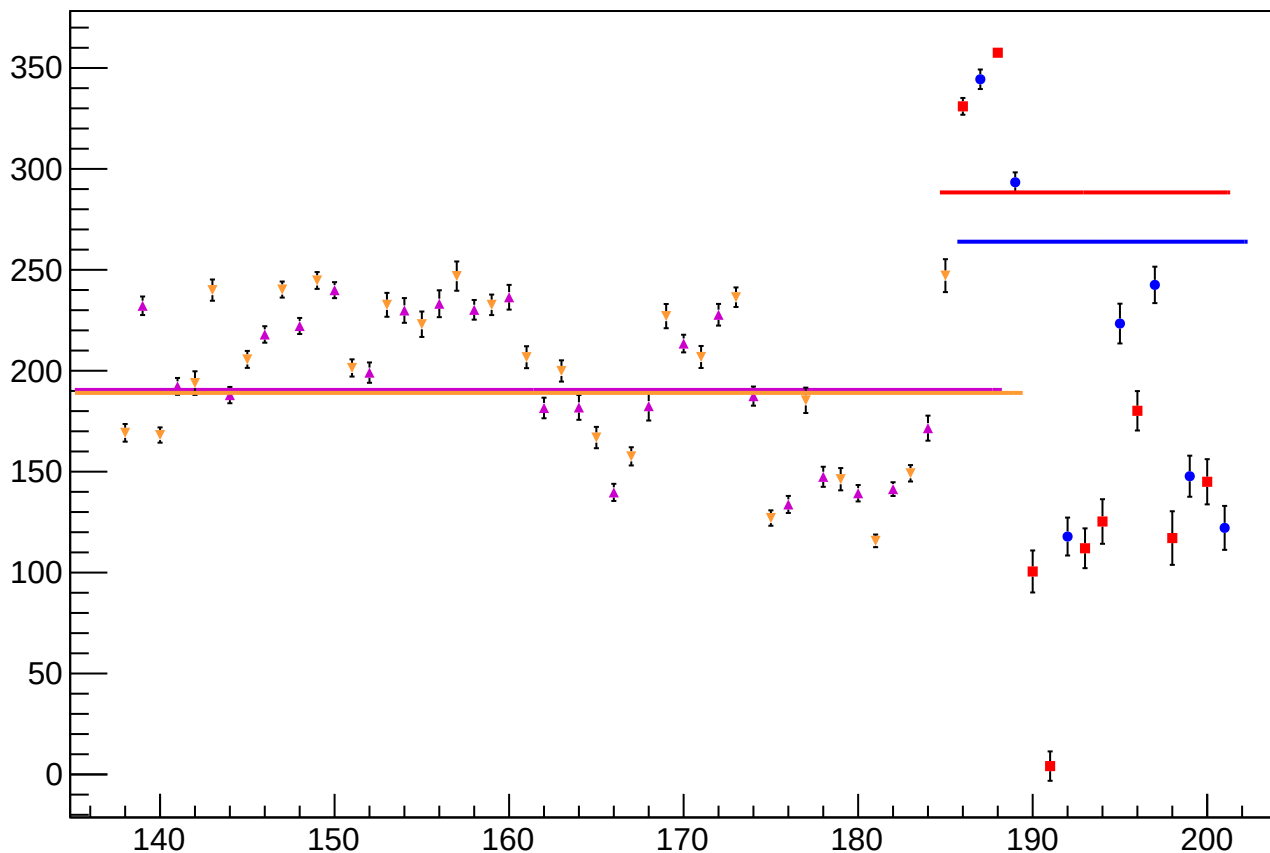
Left In: -139.360 ± 0.045 χ^2/NDF : 62449.0/22

+ sign -117.096 ± 0.037 χ^2/NDF : 2434052.5/48

All: -116.005 ± 0.026 χ^2/NDF : 4703088.9/99

- sign -114.924 ± 0.037 χ^2/NDF : 2267280.0/50

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 263.937 ± 2.711 $\chi^2/\text{NDF}: 876.6/6$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 288.349 ± 1.863 $\chi^2/\text{NDF}: 3709.3/8$

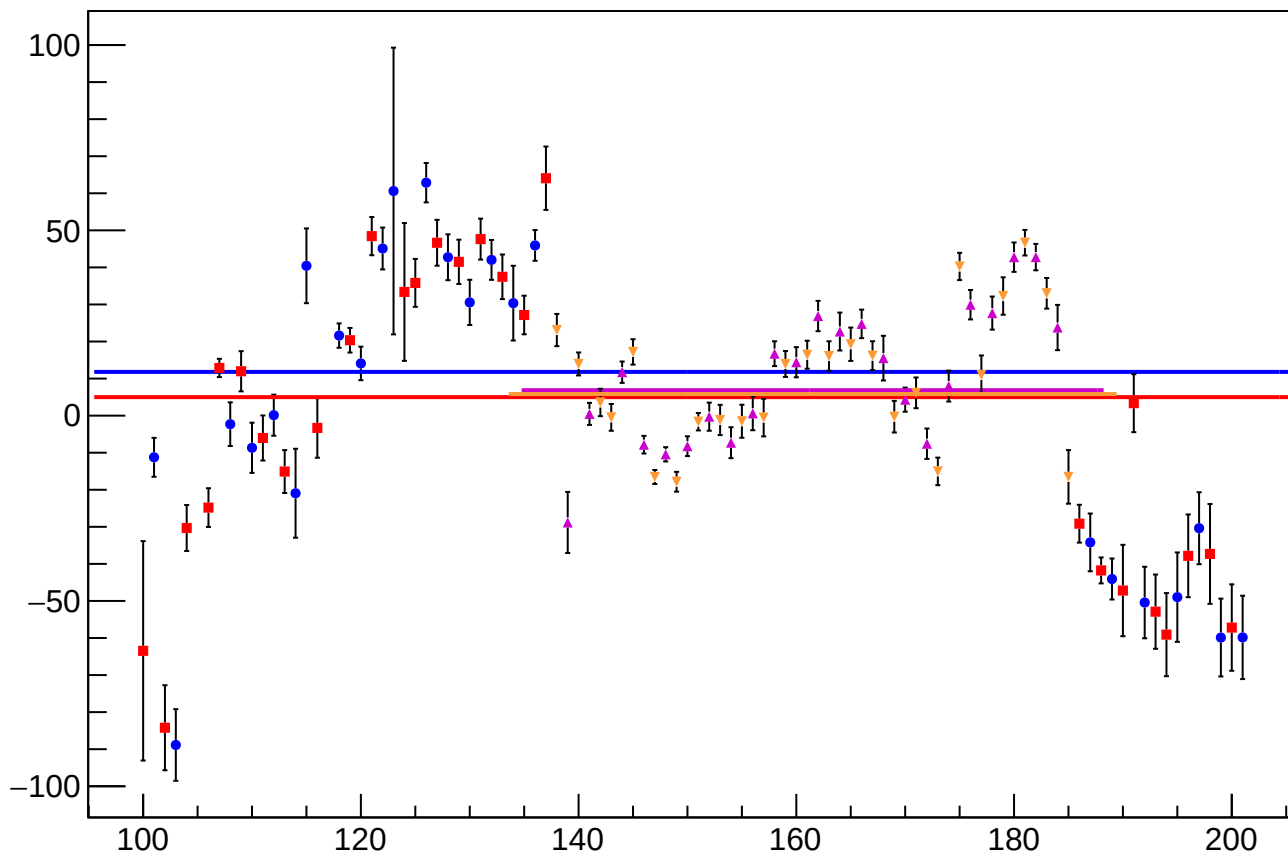
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 197.314 ± 0.901 $\chi^2/\text{NDF}: 3536.7/31$

All: 204.728 ± 0.624 $\chi^2/\text{NDF}: 10952.8/63$

- sign 211.537 ± 0.864 $\chi^2/\text{NDF}: 7286.3/31$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 11.805 $\pm$ 1.285 χ^2 /NDF: 747.6/23

Left Out: 5.834 $\pm$ 0.712 χ^2 /NDF: 652.2/24

Right Out: 4.994 $\pm$ 1.088 χ^2 /NDF: 873.9/27

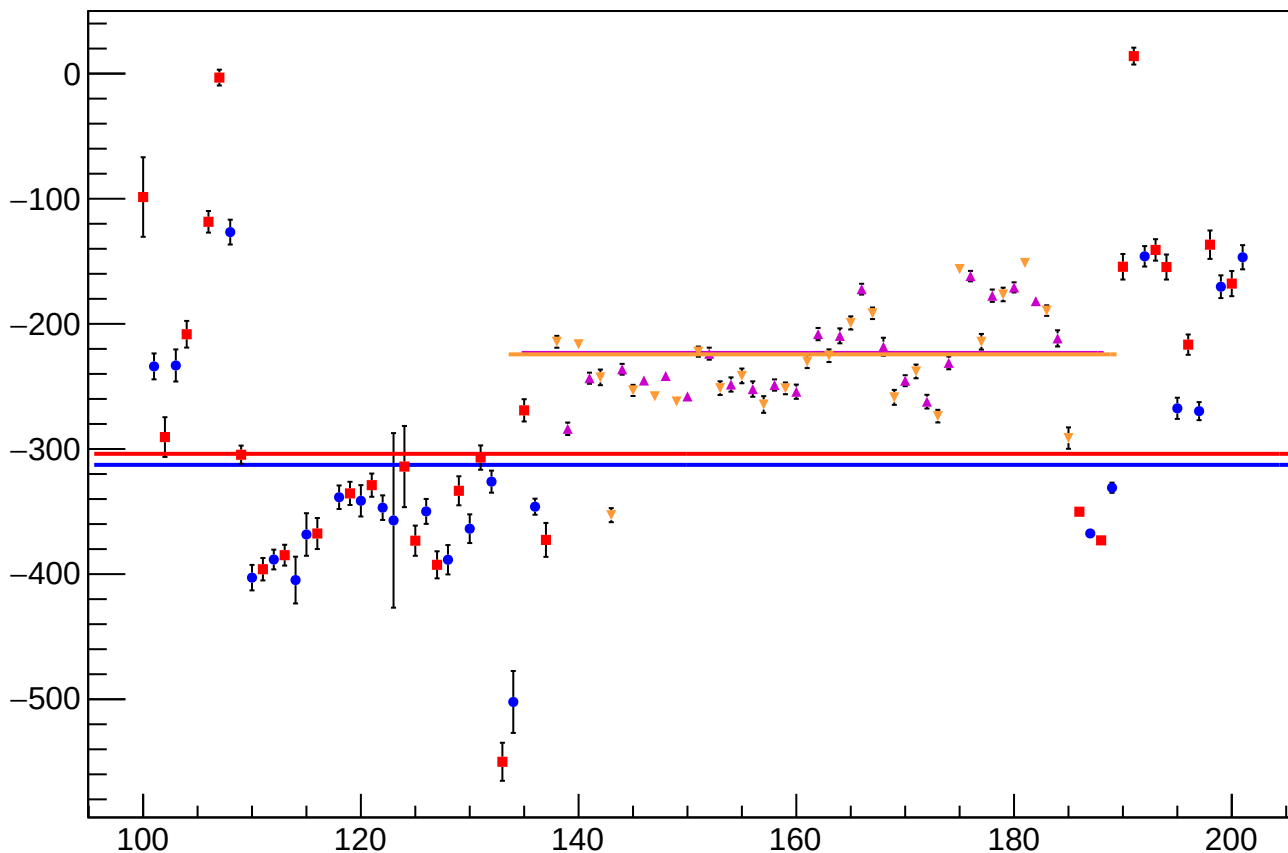
Left In: 6.862 $\pm$ 0.736 χ^2 /NDF: 522.7/22

+ sign 7.239 $\pm$ 0.623 χ^2 /NDF: 1416.4/48

All: 6.747 $\pm$ 0.436 χ^2 /NDF: 2816.2/99

- sign 6.275 $\pm$ 0.610 χ^2 /NDF: 1398.6/50

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -312.685 ± 1.705 χ^2/NDF : 2071.4/23

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -303.857 ± 1.280 χ^2/NDF : 8419.2/27

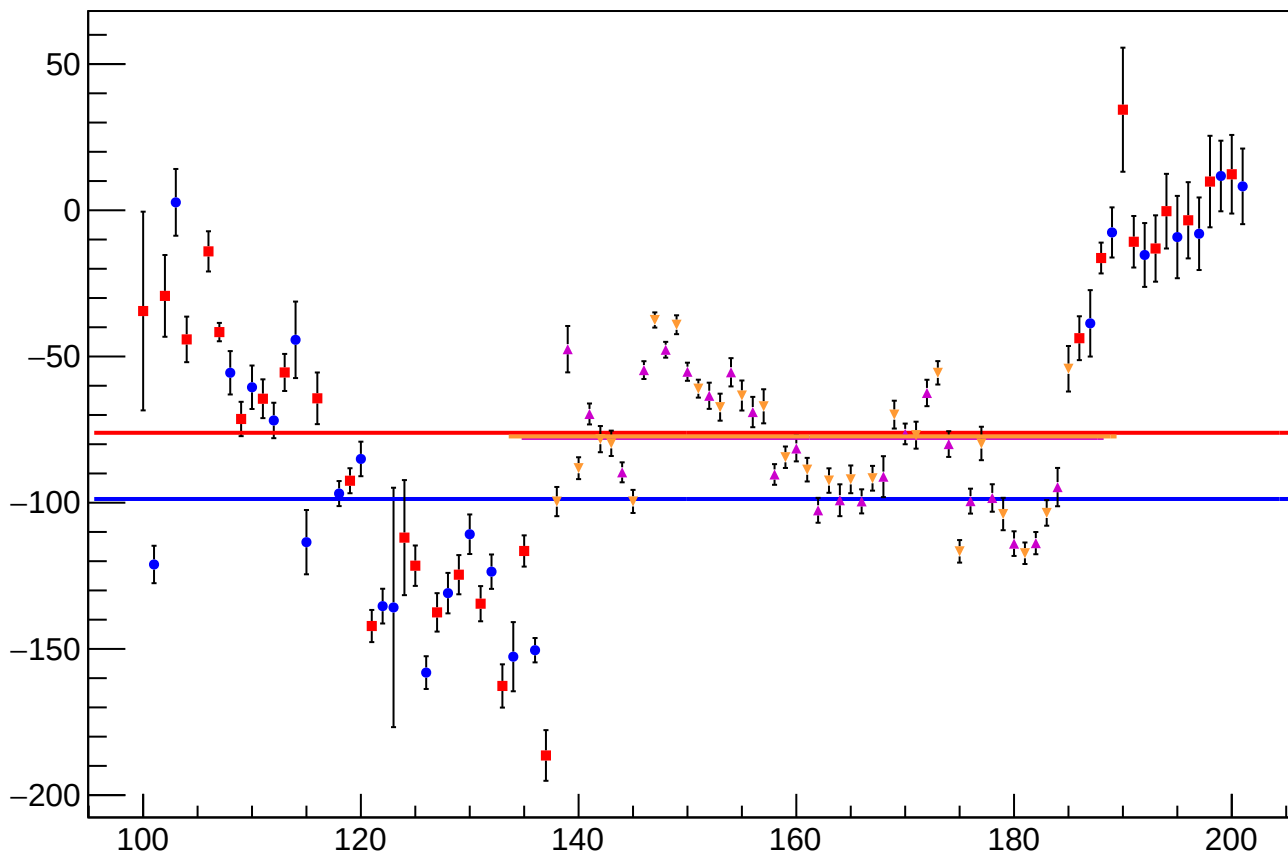
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -245.497 ± 0.834 χ^2/NDF : 6216.7/48

All: -249.329 ± 0.567 χ^2/NDF : 18467.9/99

- sign -252.618 ± 0.773 χ^2/NDF : 12211.9/50

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -98.727 ± 1.500 $\chi^2/\text{NDF}: 1010.2/23$

Left Out: -77.343 ± 0.827 $\chi^2/\text{NDF}: 846.2/24$

Right Out: -76.090 ± 1.309 $\chi^2/\text{NDF}: 1443.5/27$

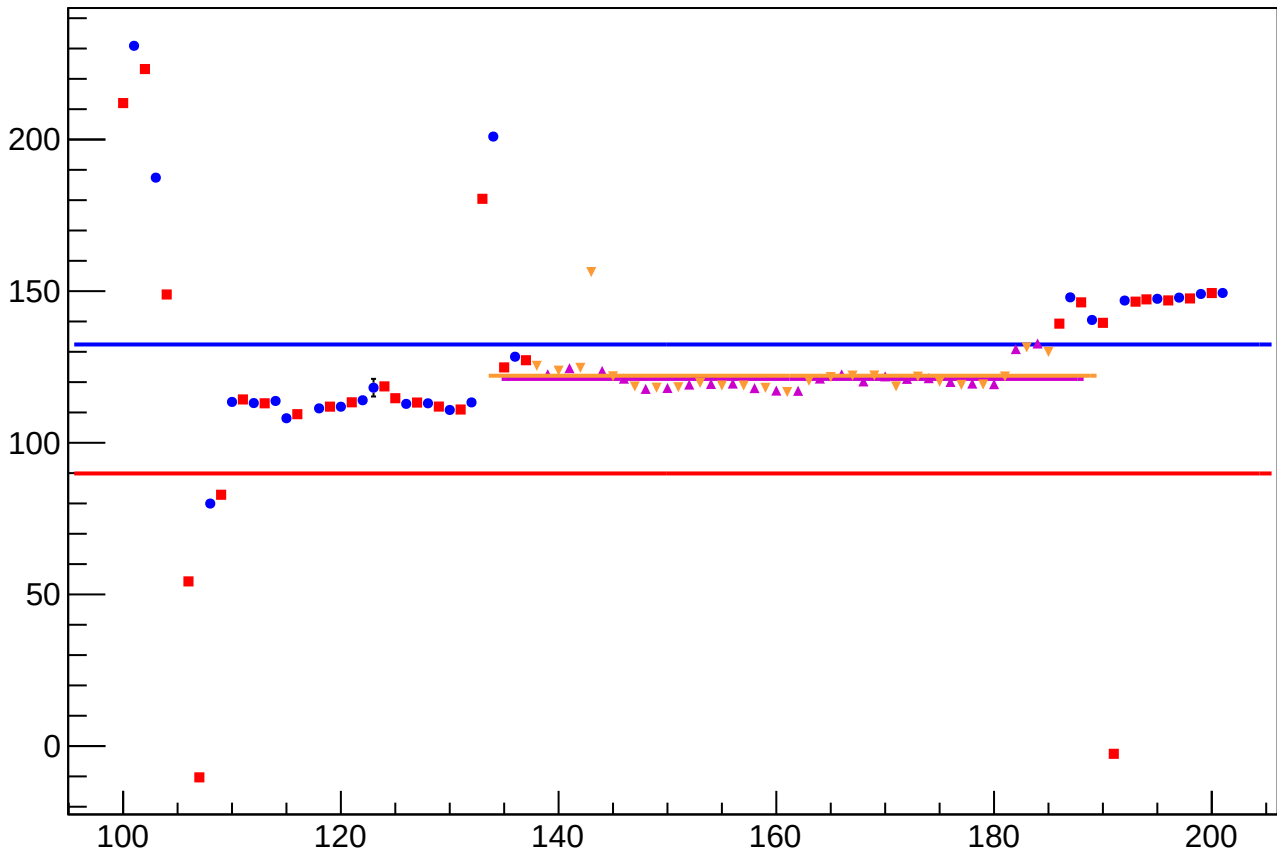
Left In: -77.838 ± 0.849 $\chi^2/\text{NDF}: 622.8/22$

+ sign -82.324 ± 0.724 $\chi^2/\text{NDF}: 2012.3/48$

All: -79.781 ± 0.508 $\chi^2/\text{NDF}: 4104.1/99$

- sign -77.321 ± 0.712 $\chi^2/\text{NDF}: 2067.5/50$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 132.417 $\pm$ 0.077 χ^2 /NDF: 200563.6/23

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24

Right Out: 89.890 $\pm$ 0.064 χ^2 /NDF: 1083421.7/27

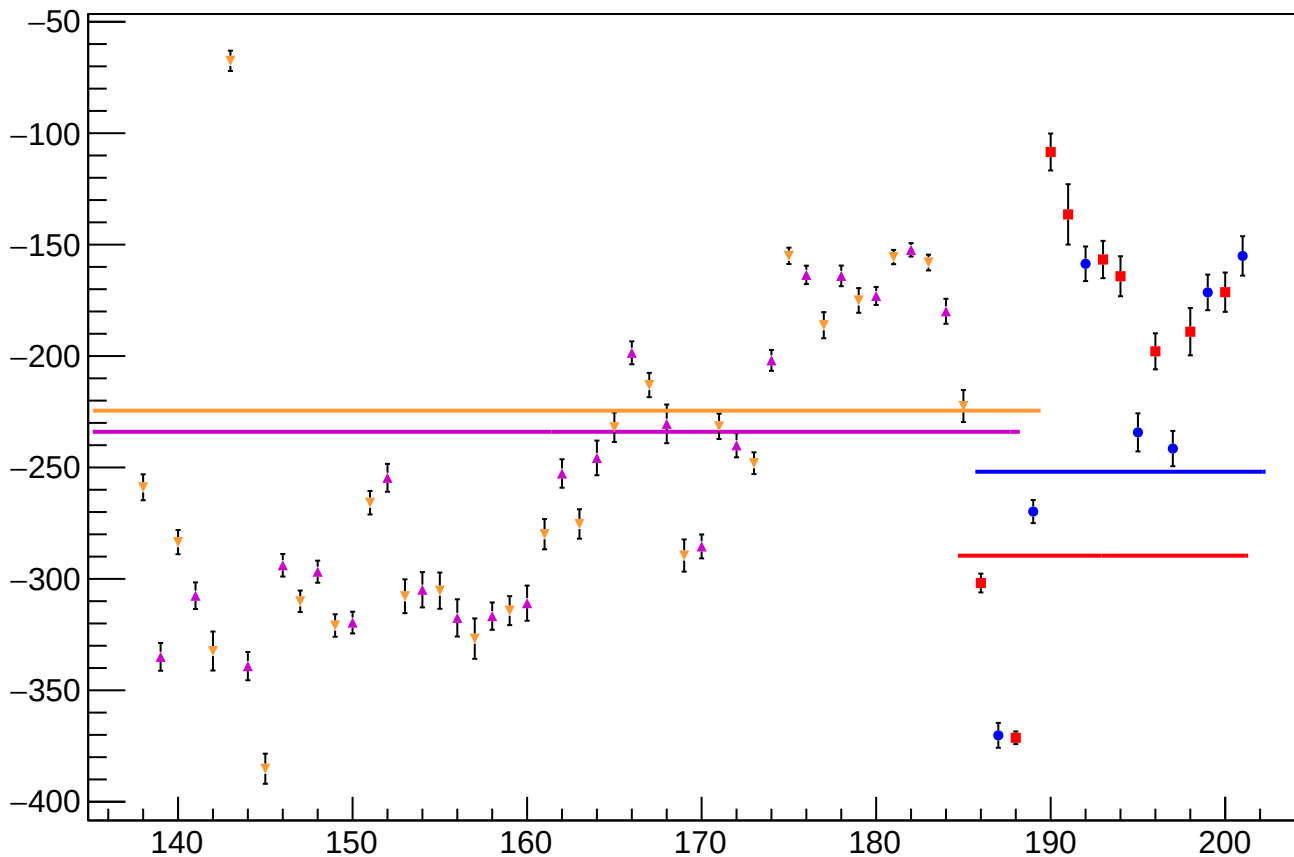
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 124.244 $\pm$ 0.035 χ^2 /NDF: 245133.0/48

All: 118.086 $\pm$ 0.024 χ^2 /NDF: 1566695.2/99

- sign 112.391 $\pm$ 0.034 χ^2 /NDF: 1262355.6/50

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -251.915 ± 2.637 χ^2/NDF : 832.5/6

Left Out: -224.501 ± 1.079 χ^2/NDF : 4870.6/24

Right Out: -289.577 ± 1.949 χ^2/NDF : 2280.3/8

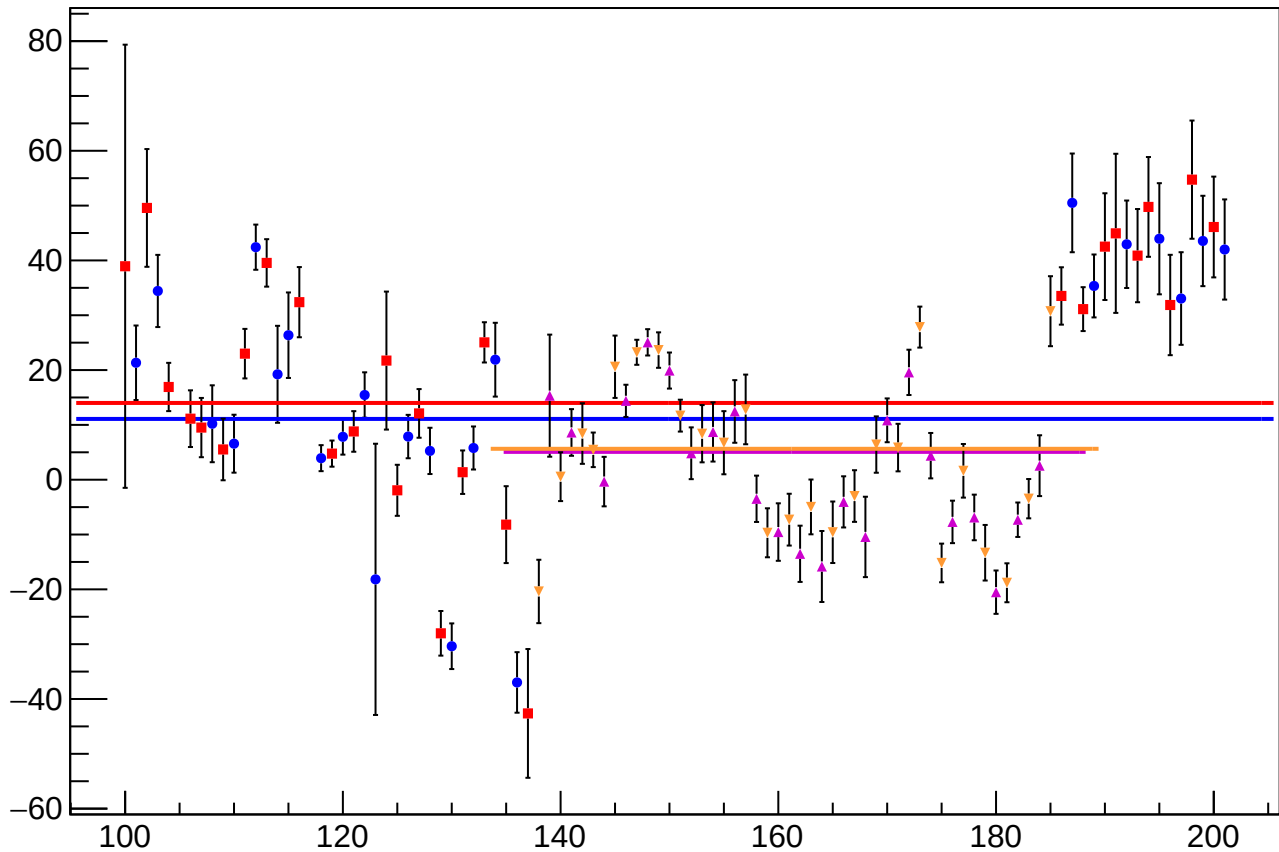
Left In: -233.988 ± 1.109 χ^2/NDF : 3538.4/22

+ sign -228.434 ± 0.999 χ^2/NDF : 5795.6/31

All: -238.346 ± 0.693 χ^2/NDF : 12419.2/63

- sign -247.575 ± 0.964 χ^2/NDF : 6433.3/31

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 11.088 $\pm$ 1.038 χ^2/NDF : 369.8/23

Left Out: 5.638 $\pm$ 0.828 χ^2/NDF :313.6/24

Right Out: 14.002 $\pm$ 0.980 χ^2/NDF : 351.5/27

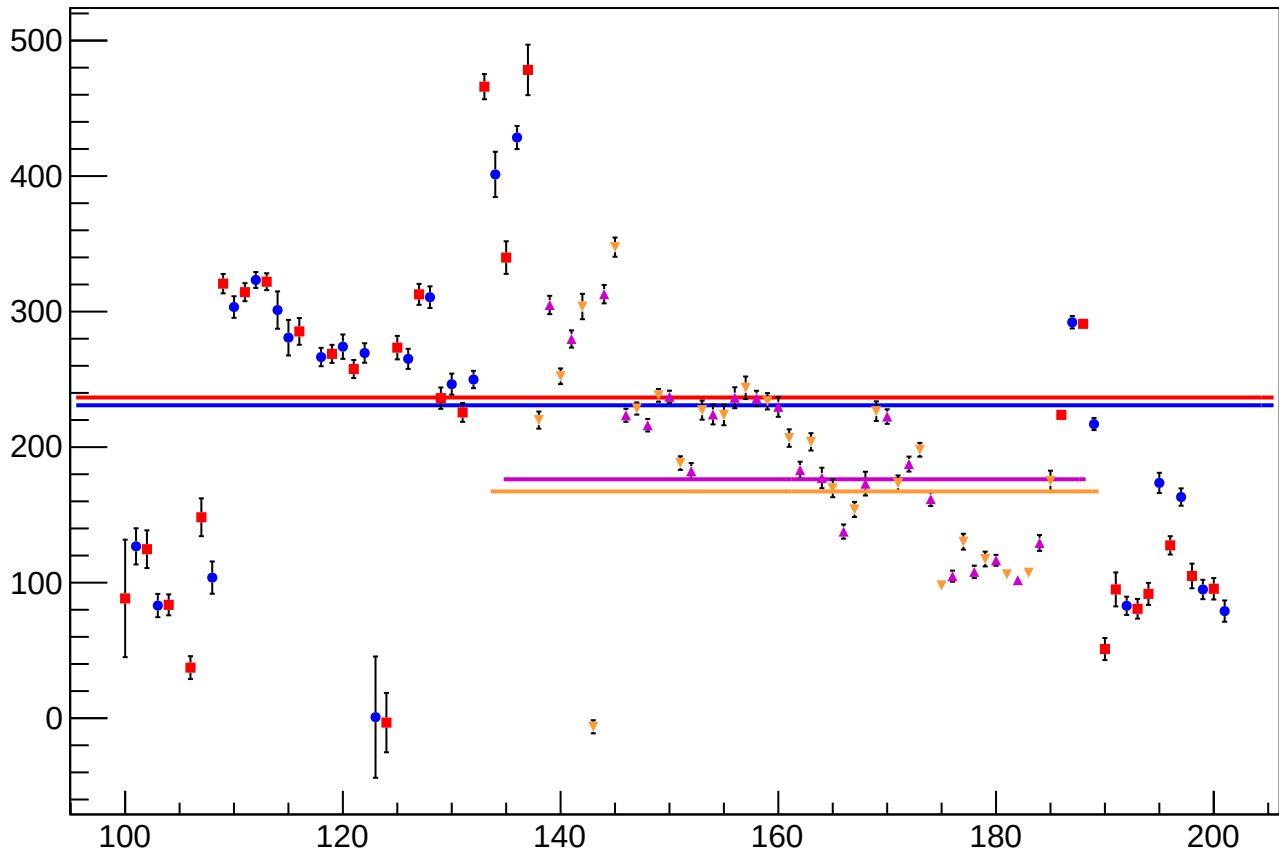
Left In: 5.077 $\pm$ 0.869 χ^2/NDF :239.7/22

+ sign 7.756 $\pm$ 0.647 χ^2/NDF : 700.3/48

All: 8.378 $\pm$ 0.459 χ^2/NDF : 1339.8/99

- sign 9.006 $\pm$ 0.650 χ^2/NDF : 637.6/50

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 230.878 $\pm$ 1.531 χ^2 /NDF: 3295.4/23

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF: 4454.5/24

Right Out: 236.624 $\pm$ 1.252 χ^2 /NDF: 5459.7/27

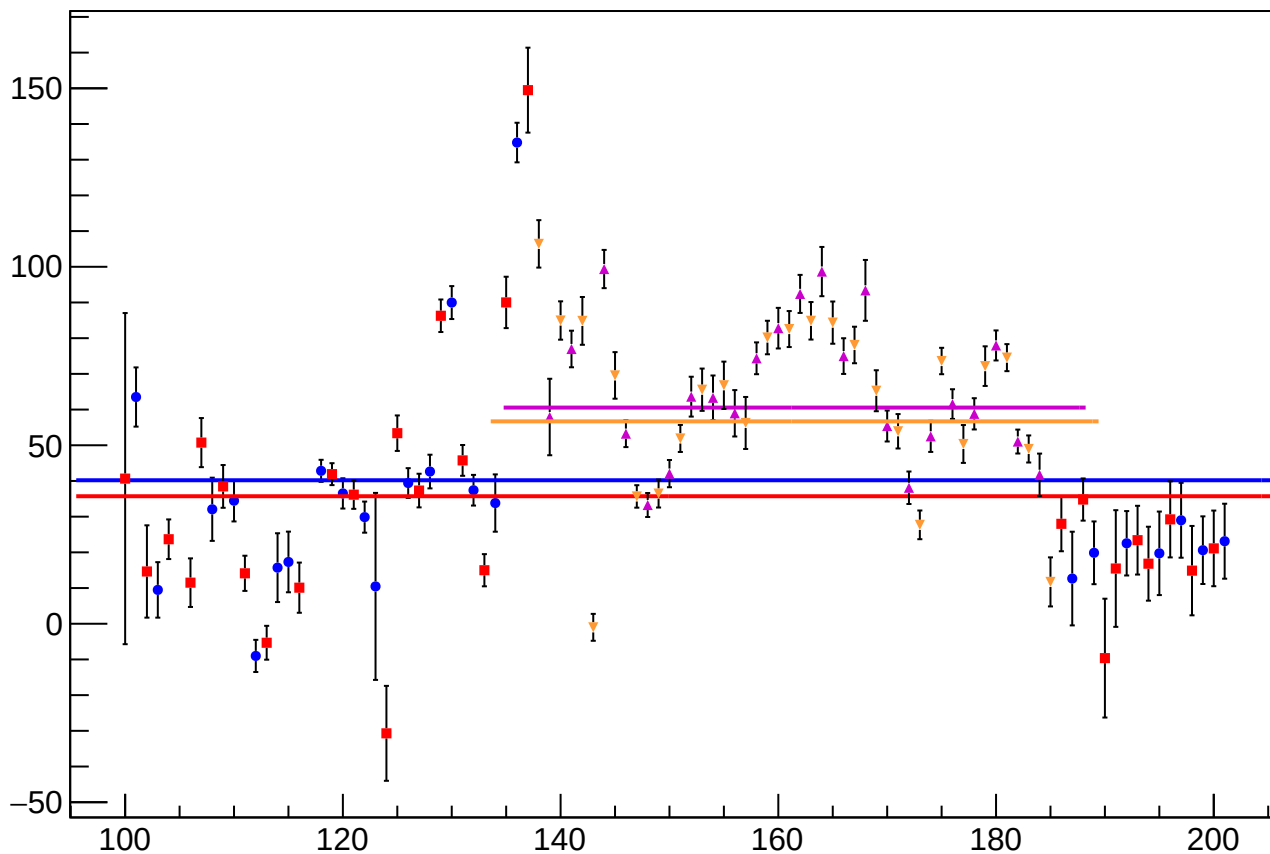
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF: 3169.5/22

+ sign 188.513 $\pm$ 0.884 χ^2 /NDF: 8898.8/48

All: 196.066 $\pm$ 0.605 χ^2 /NDF: 18970.3/99

- sign 202.709 $\pm$ 0.829 χ^2 /NDF: 9934.2/50

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 40.195 $\pm$ 1.212 χ^2 /NDF: 600.4/23

Left Out: 56.695 $\pm$ 0.952 χ^2 /NDF: 690.4/24

Right Out: 35.719 $\pm$ 1.154 χ^2 /NDF: 492.1/27

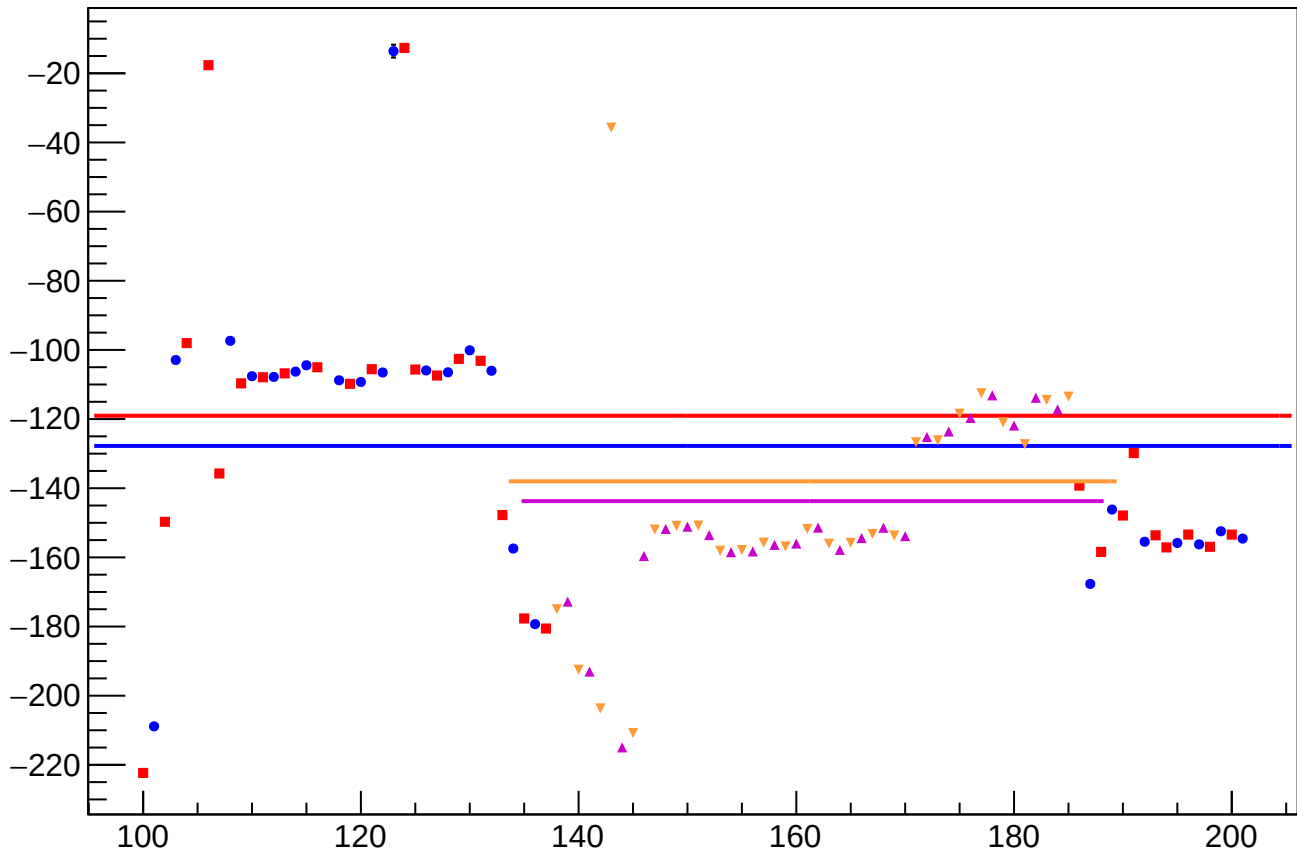
Left In: 60.555 $\pm$ 0.990 χ^2 /NDF: 335.6/22

+ sign 50.399 $\pm$ 0.748 χ^2 /NDF: 1405.5/48

All: 50.213 $\pm$ 0.530 χ^2 /NDF: 2500.1/99

- sign 50.025 $\pm$ 0.751 χ^2 /NDF: 1094.5/50

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -127.764 ± 0.067 $\chi^2/\text{NDF}: 202318.4/23$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -119.039 ± 0.062 $\chi^2/\text{NDF}: 443966.4/27$

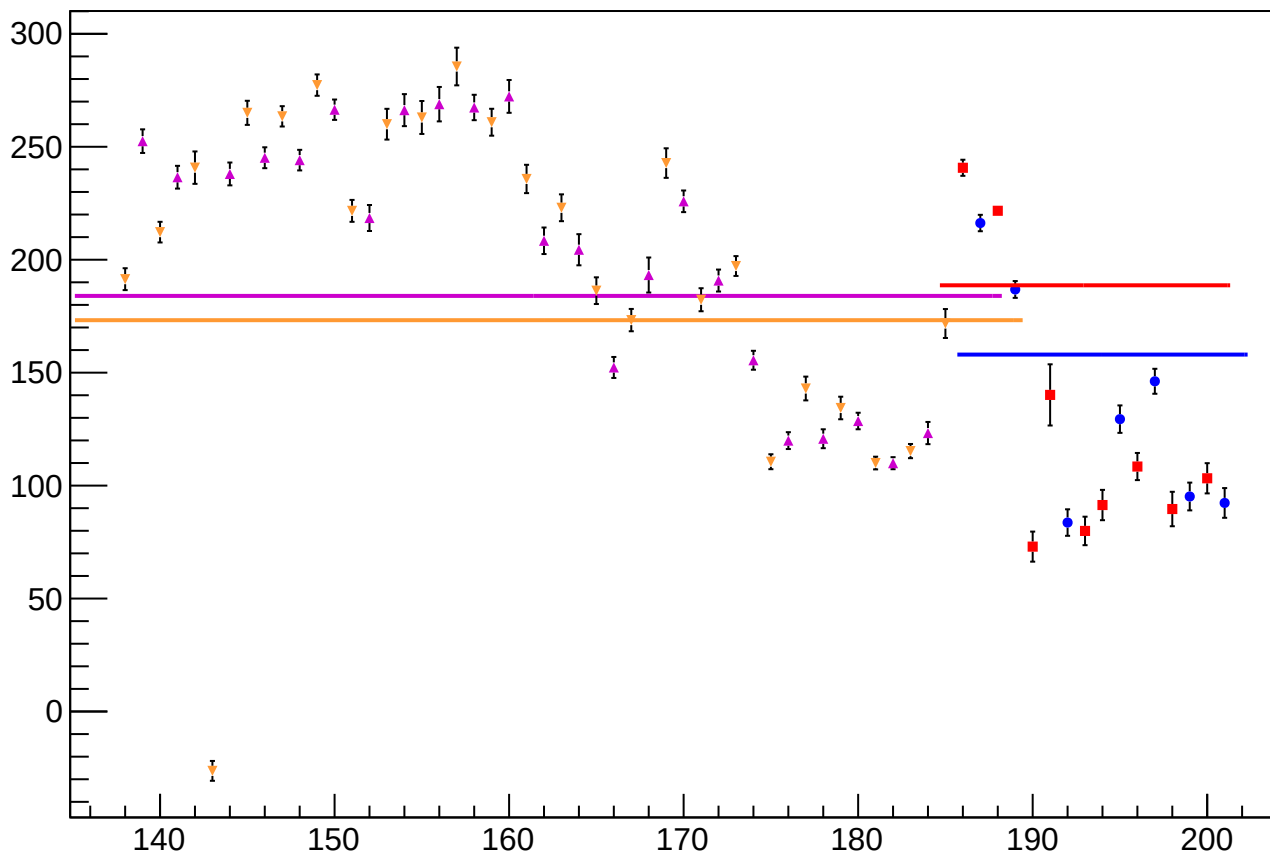
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -134.803 ± 0.037 $\chi^2/\text{NDF}: 784211.5/48$

All: -134.851 ± 0.026 $\chi^2/\text{NDF}: 1589280.4/99$

- sign -134.899 ± 0.037 $\chi^2/\text{NDF}: 805065.6/50$

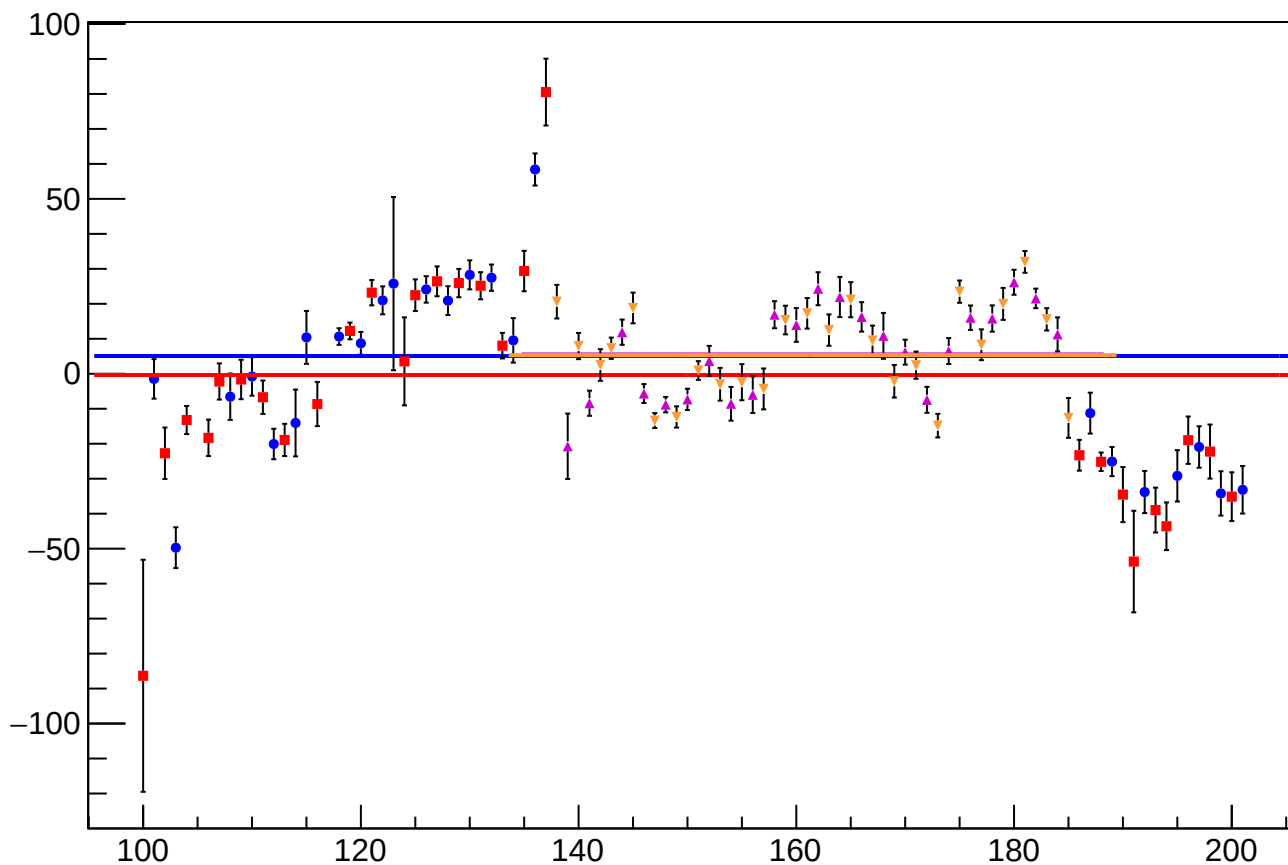
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 158.005 $\pm$ 1.868 χ^2 /NDF: 708.6/6
 Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF: 5846.0/24
 Right Out: 188.676 $\pm$ 1.401 χ^2 /NDF: 1859.5/8
 Left In: 183.984 $\pm$ 0.991 χ^2 /NDF: 3613.7/22

+ sign 170.020 $\pm$ 0.858 χ^2 /NDF: 6607.0/31
 All: 178.238 $\pm$ 0.589 χ^2 /NDF: 12261.1/63
 - sign 185.549 $\pm$ 0.809 χ^2 /NDF: 5480.6/31

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.082 ± 0.966 χ^2/NDF : 610.3/23

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -0.358 ± 0.902 χ^2/NDF : 646.8/27

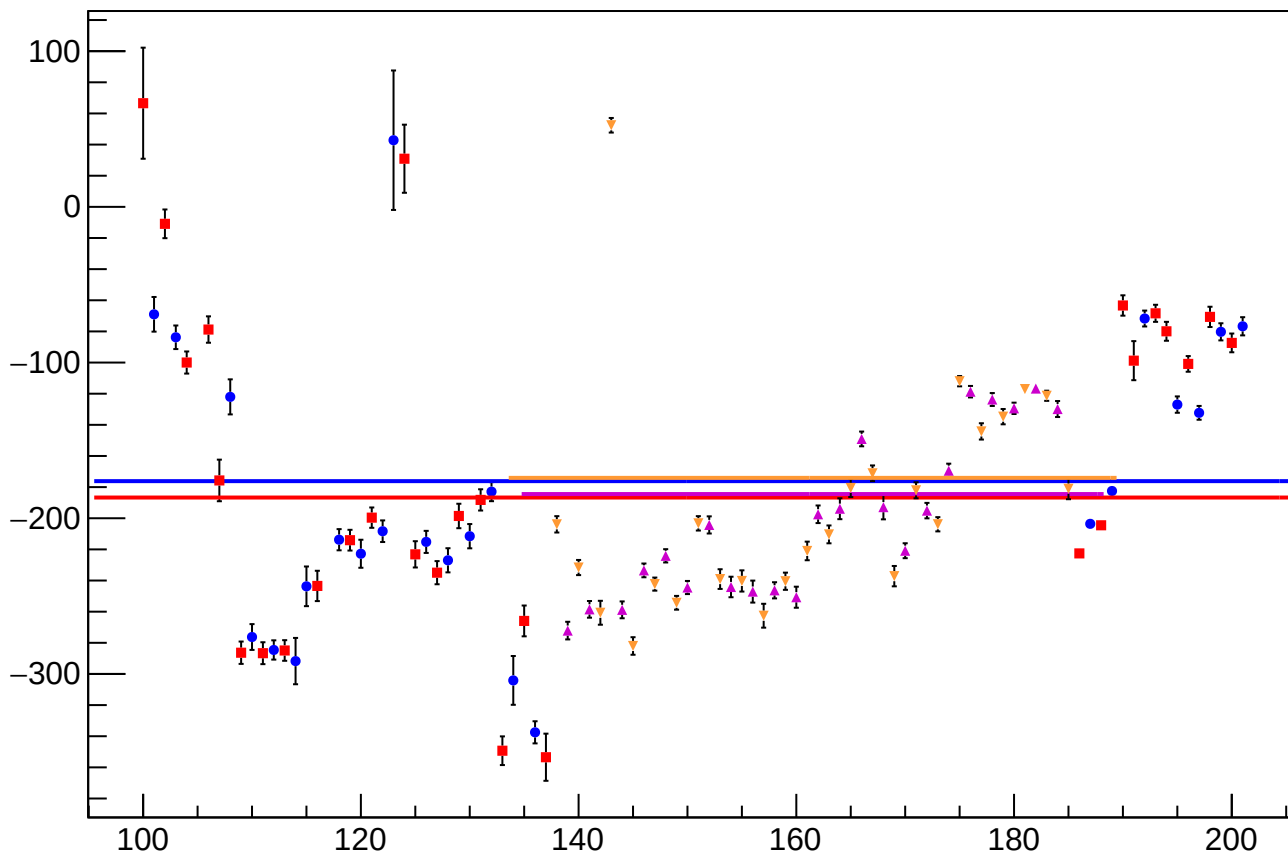
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 5.232 ± 0.591 χ^2/NDF : 955.8/48

All: 4.117 ± 0.418 χ^2/NDF : 1890.4/99

- sign 3.005 ± 0.590 χ^2/NDF : 927.5/50

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -176.163 ± 1.243 χ^2/NDF : 2873.1/23

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -186.693 ± 0.991 χ^2/NDF : 4417.0/27

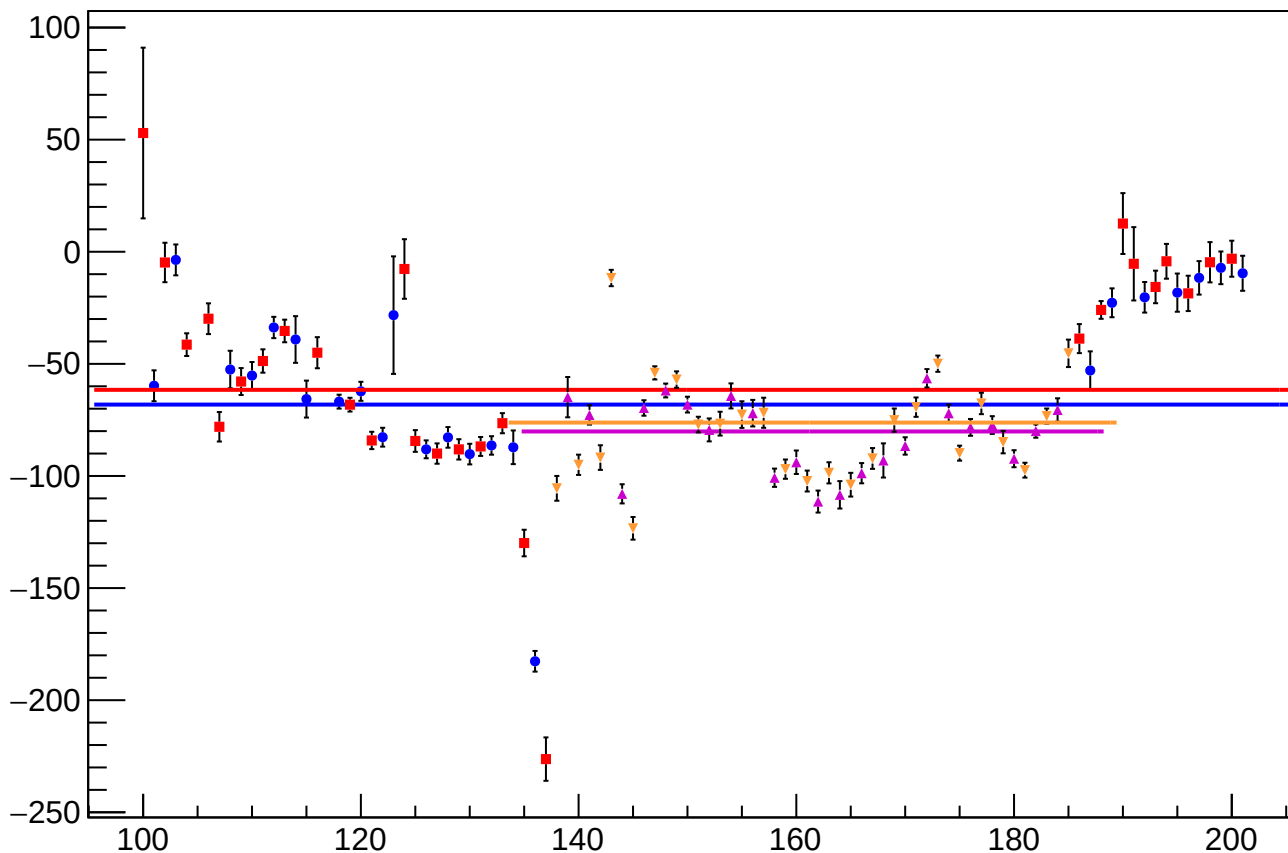
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -174.857 ± 0.765 χ^2/NDF : 8318.1/48

All: -180.688 ± 0.517 χ^2/NDF : 15895.9/99

- sign -185.575 ± 0.700 χ^2/NDF : 7471.1/50

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -68.160 ± 1.134 $\chi^2/\text{NDF}: 1194.3/23$

Left Out: -76.182 ± 0.857 $\chi^2/\text{NDF}: 801.0/24$

Right Out: -61.583 ± 1.078 $\chi^2/\text{NDF}: 1106.5/27$

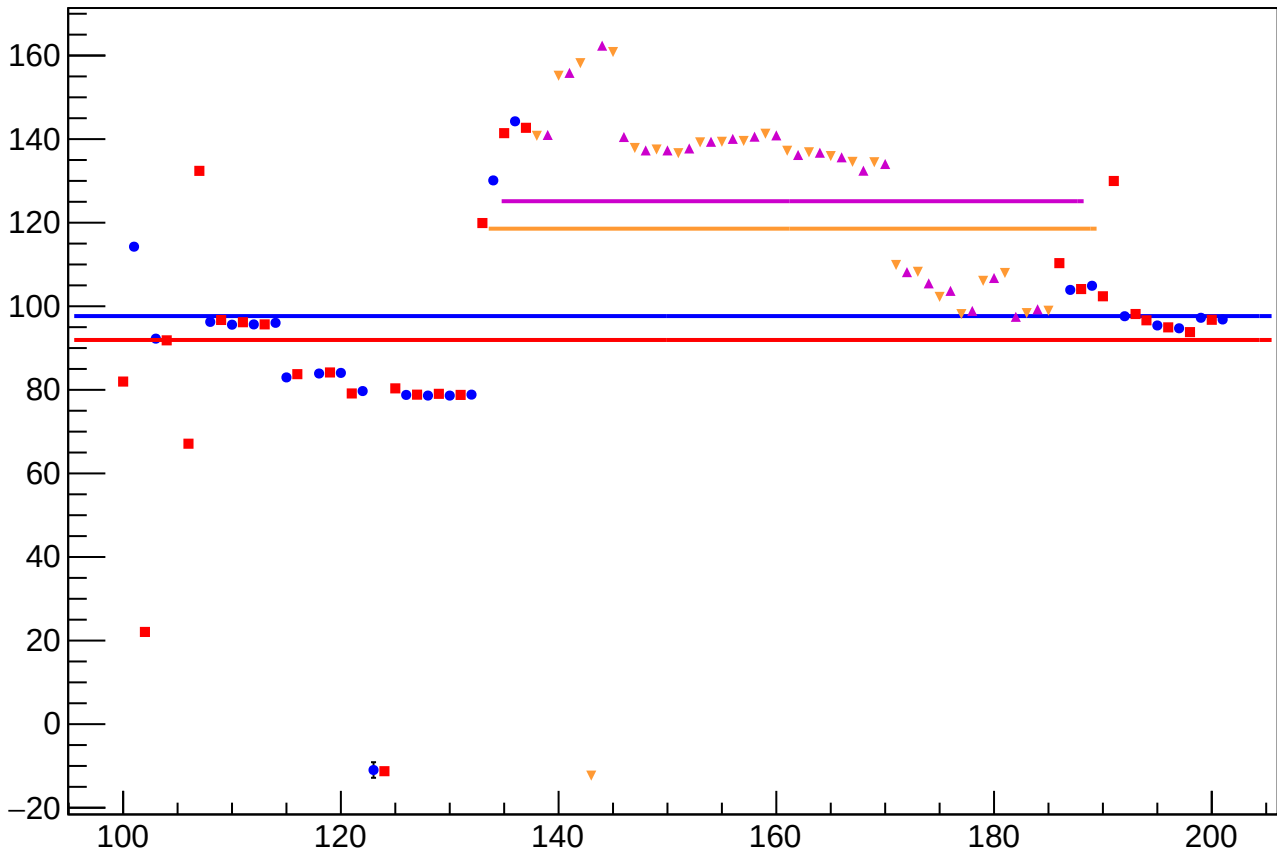
Left In: -80.149 ± 0.889 $\chi^2/\text{NDF}: 283.3/22$

+ sign -73.265 ± 0.684 $\chi^2/\text{NDF}: 2027.1/48$

All: -72.948 ± 0.484 $\chi^2/\text{NDF}: 3594.0/99$

- sign -72.630 ± 0.686 $\chi^2/\text{NDF}: 1566.4/50$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.652 $\pm$ 0.058 χ^2 /NDF: 94861.9/23

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 91.935 $\pm$ 0.054 χ^2 /NDF: 240300.9/27

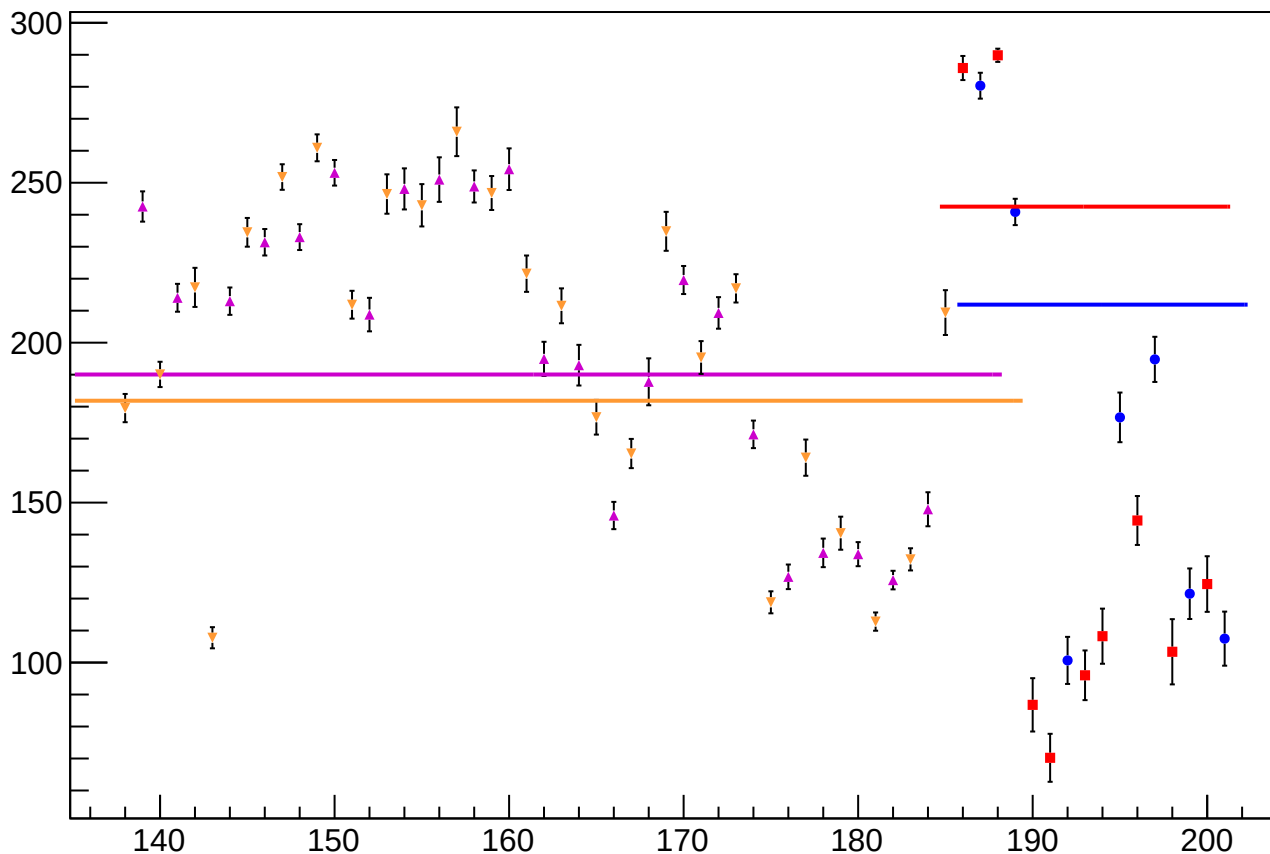
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 111.775 $\pm$ 0.033 χ^2 /NDF: 910222.3/48

All: 112.353 $\pm$ 0.023 χ^2 /NDF: 1610213.8/99

- sign 112.915 $\pm$ 0.033 χ^2 /NDF: 699396.5/50

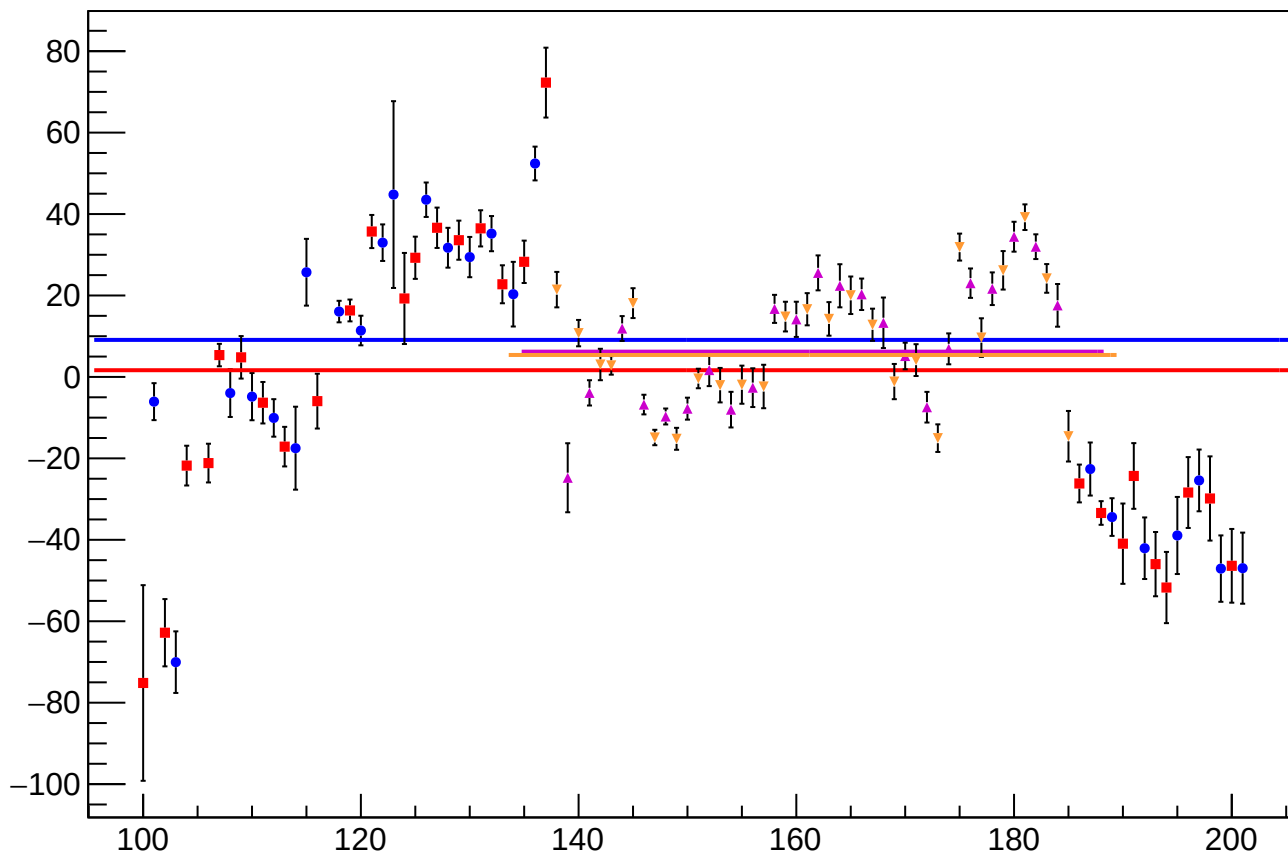
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 211.892 $\pm$ 2.207 χ^2/NDF : 874.0/6
 Left Out: 181.850 $\pm$ 0.913 χ^2/NDF :3303.4/24
 Right Out: 242.527 $\pm$ 1.569 χ^2/NDF : 2666.5/8
 Left In: 190.048 $\pm$ 0.953 χ^2/NDF :2438.4/22

+ sign 186.243 $\pm$ 0.844 χ^2/NDF : 4335.6/31
 All: 195.539 $\pm$ 0.586 χ^2/NDF : 10492.4/63
 - sign 204.194 $\pm$ 0.814 χ^2/NDF : 5922.5/31

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 9.094 ± 1.068 χ^2/NDF : 742.9/23

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: 1.649 ± 0.952 χ^2/NDF : 872.5/27

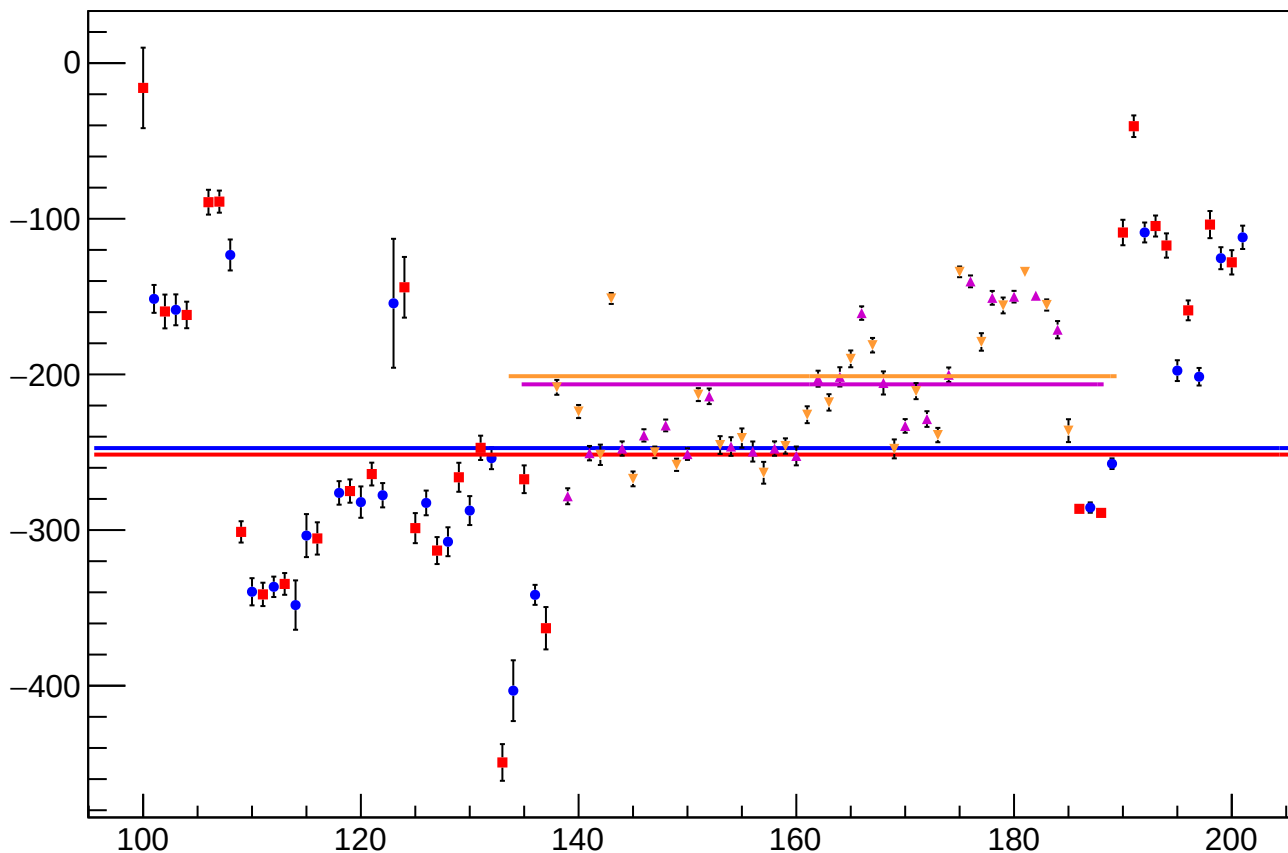
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 6.479 ± 0.578 χ^2/NDF : 1277.9/48

All: 5.499 ± 0.410 χ^2/NDF : 2578.1/99

- sign 4.513 ± 0.580 χ^2/NDF : 1294.4/50

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -247.332 ± 1.413 χ^2/NDF : 2465.2/23

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -251.505 ± 1.087 χ^2/NDF : 5425.7/27

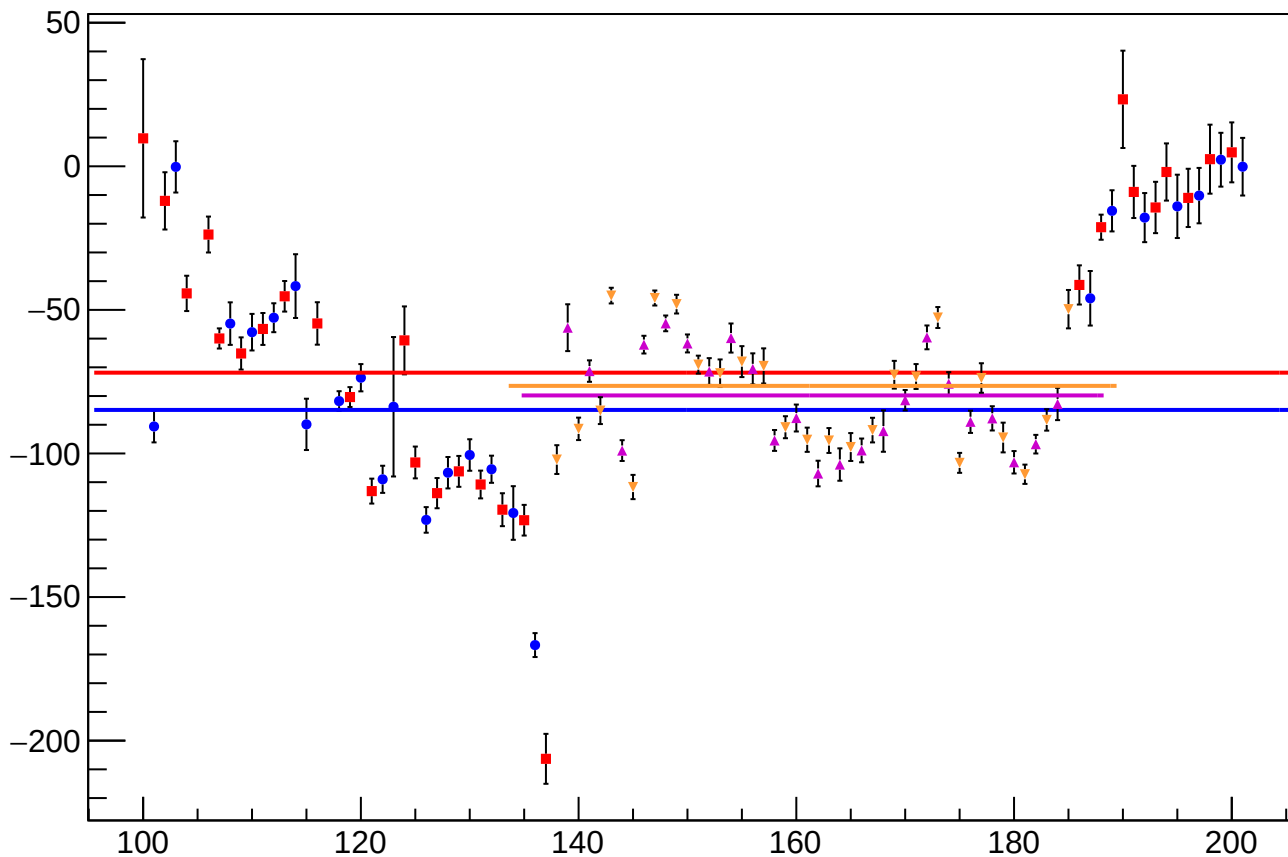
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -214.848 ± 0.770 χ^2/NDF : 5705.4/48

All: -220.779 ± 0.524 χ^2/NDF : 14330.3/99

- sign -225.901 ± 0.715 χ^2/NDF : 8514.3/50

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -84.838 $\pm$ 1.251 χ^2/NDF : 1162.9/23

Left Out: -76.460 $\pm$ 0.797 χ^2/NDF : 781.3/24

Right Out: -71.863 $\pm$ 1.140 χ^2/NDF : 1327.1/27

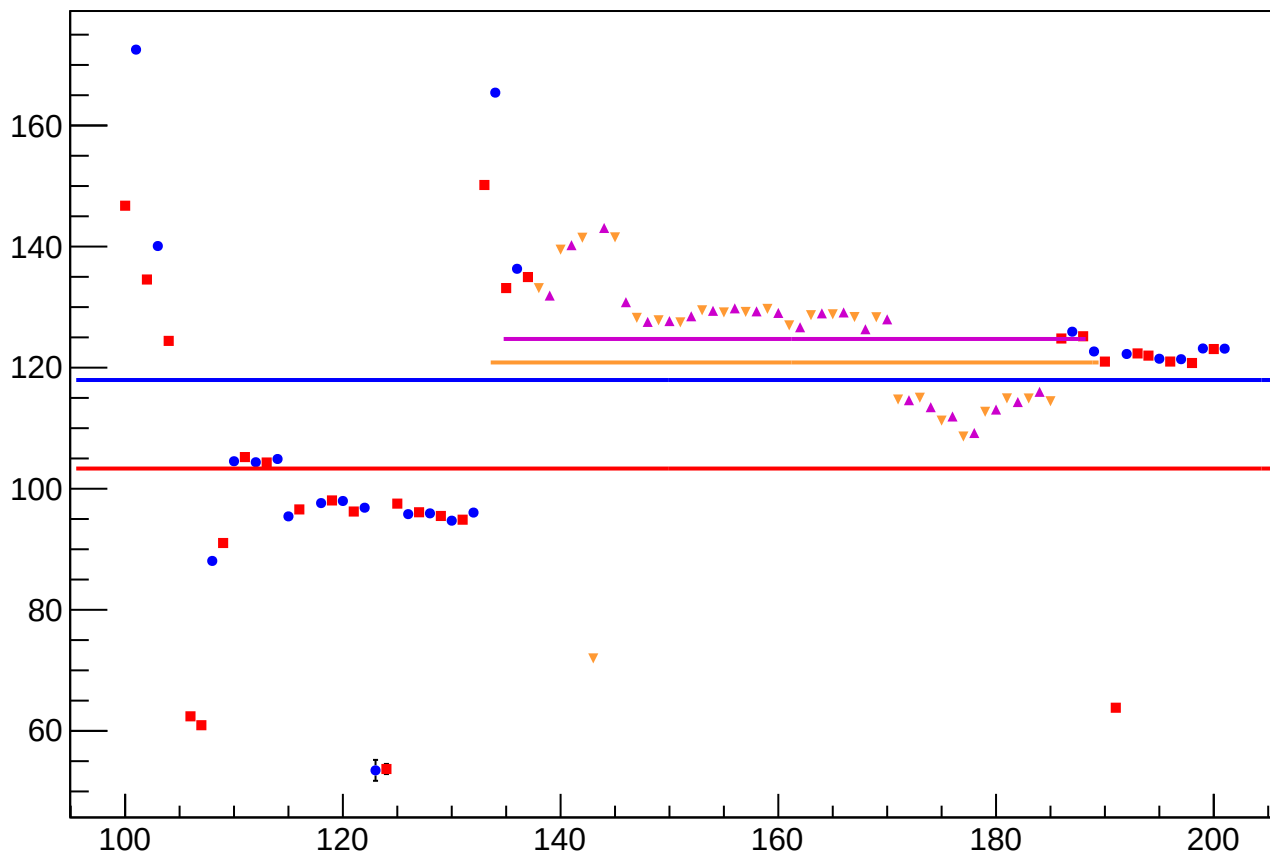
Left In: -79.792 $\pm$ 0.840 χ^2/NDF : 412.3/22

+ sign -78.876 $\pm$ 0.672 χ^2/NDF : 1976.1/48

All: -77.946 $\pm$ 0.477 χ^2/NDF : 3750.7/99

- sign -77.004 $\pm$ 0.676 χ^2/NDF : 1770.7/50

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.958 +/- 0.066 χ^2/NDF : 107867.7/23

Left Out: 120.855 +/- 0.038 χ^2/NDF : 182759.1/24

Right Out: 103.336 +/- 0.057 χ^2/NDF : 232787.8/27

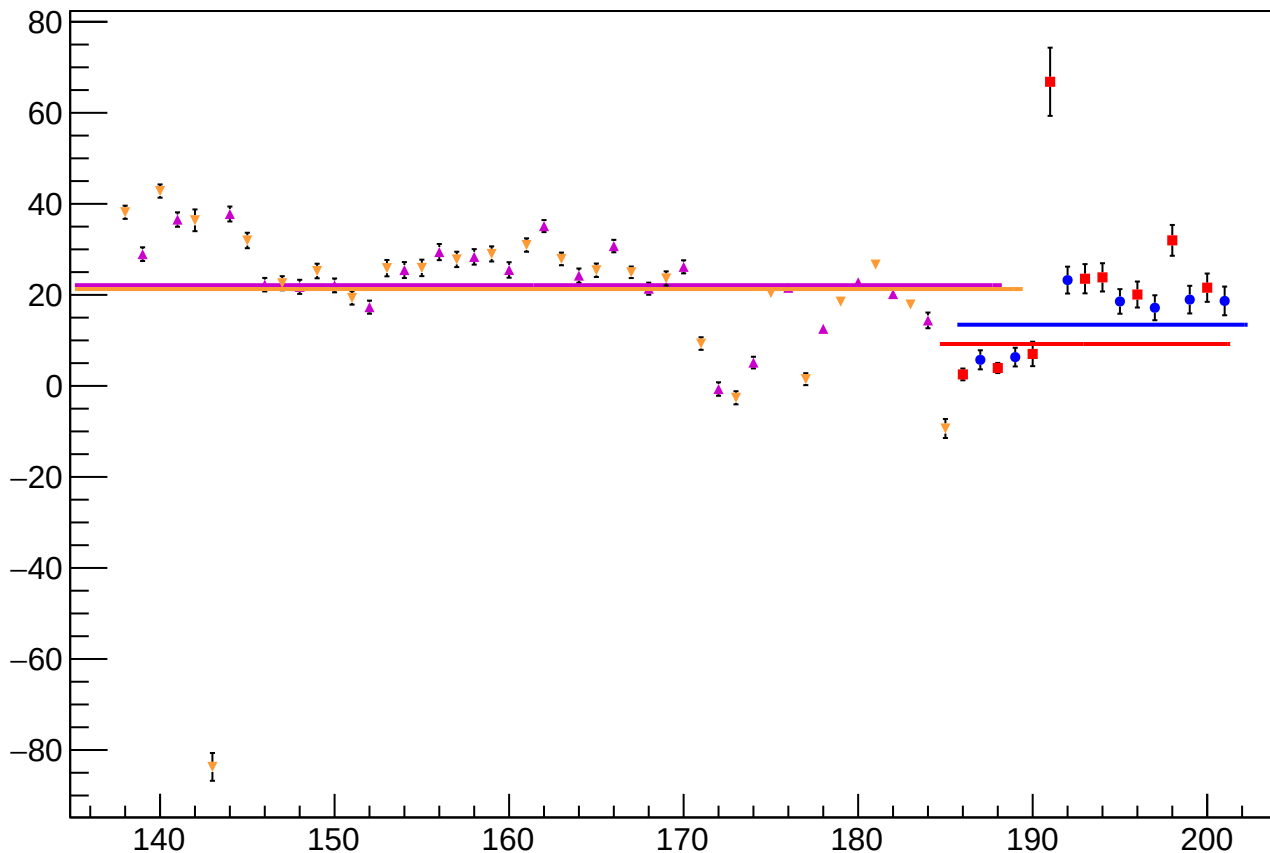
Left In: 124.738 +/- 0.039 χ^2/NDF : 51298.3/22

+ sign 120.129 +/- 0.033 χ^2/NDF : 292080.1/48

All: 118.962 +/- 0.023 χ^2/NDF : 674462.3/99

- sign 117.840 +/- 0.032 χ^2/NDF : 379921.6/50

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 13.444+/-0.972 χ^2 /NDF: 48.1/6

Left Out: 21.282+/-0.282 χ^2 /NDF:2600.5/24

Right Out: 9.206+/-0.695 χ^2 /NDF: 226.5/8

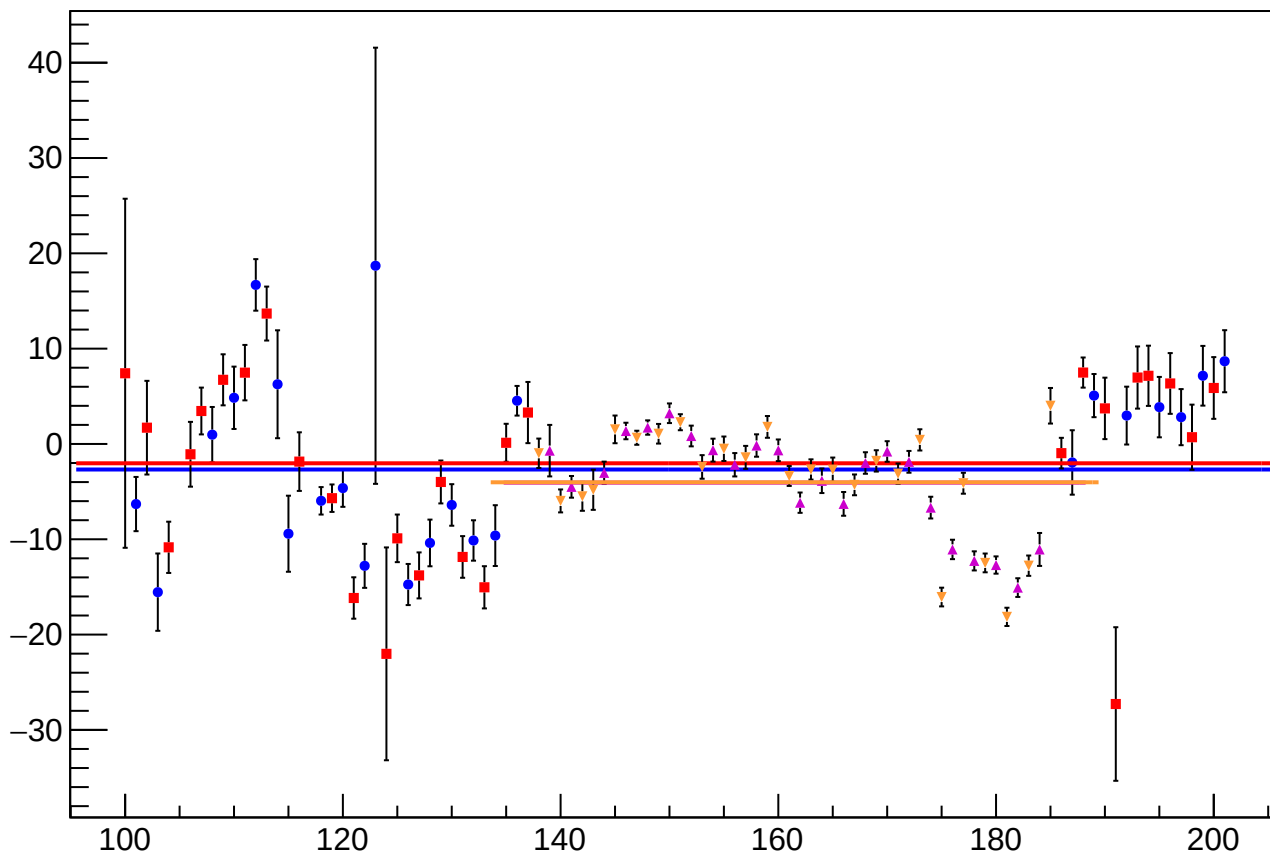
Left In: 22.127+/-0.285 χ^2 /NDF:900.2/22

+ sign 20.671+/-0.271 χ^2 /NDF: 2708.5/31

All: 20.460+/-0.189 χ^2 /NDF: 4132.6/63

- sign 20.259+/-0.264 χ^2 /NDF: 1422.9/31

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -2.681 ± 0.521 χ^2/NDF : 229.1/23

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -2.028 ± 0.483 χ^2/NDF : 293.3/27

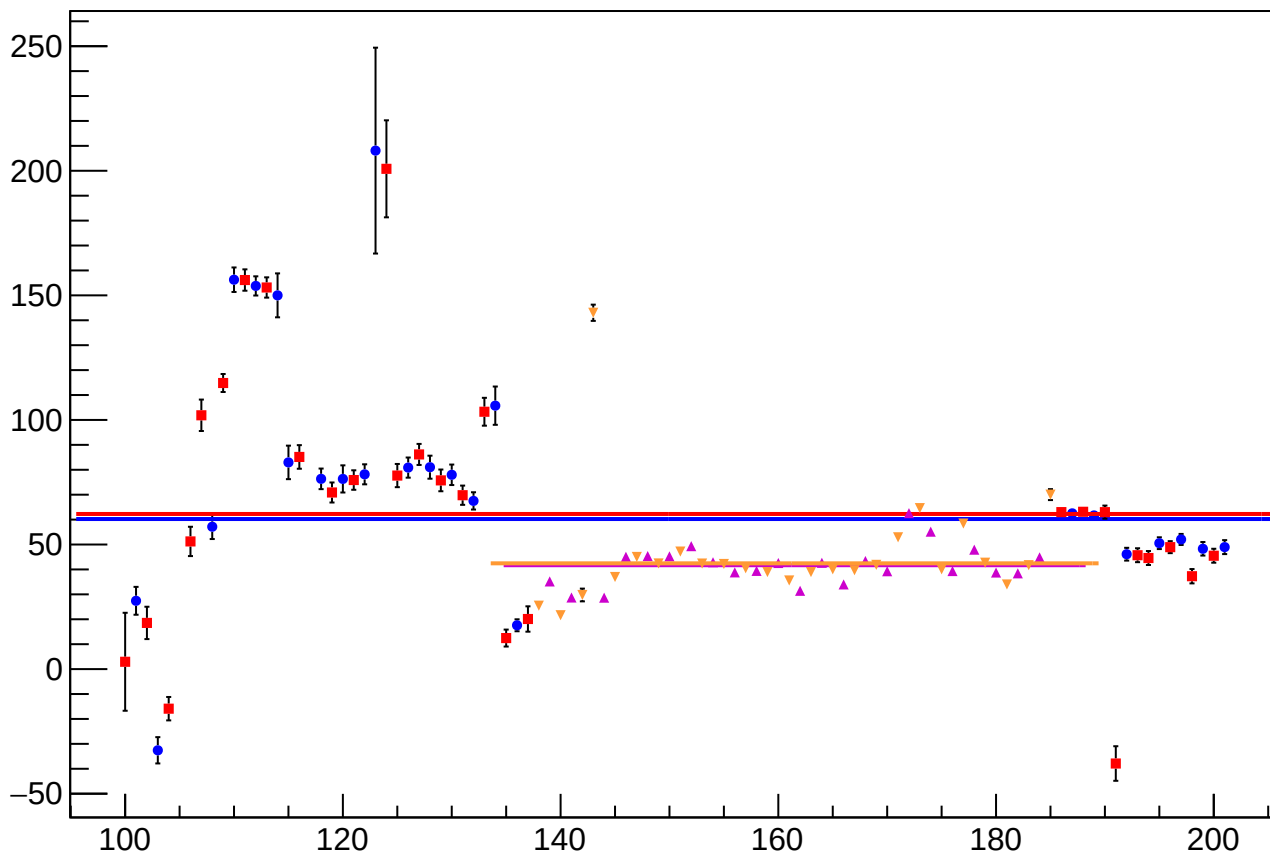
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.814 ± 0.205 χ^2/NDF : 968.8/48

All: -3.751 ± 0.145 χ^2/NDF : 1854.0/99

- sign -3.688 ± 0.206 χ^2/NDF : 885.0/50

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 60.234 $\pm$ 0.659 χ^2 /NDF: 2006.7/23

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 62.262 $\pm$ 0.508 χ^2 /NDF: 2475.0/27

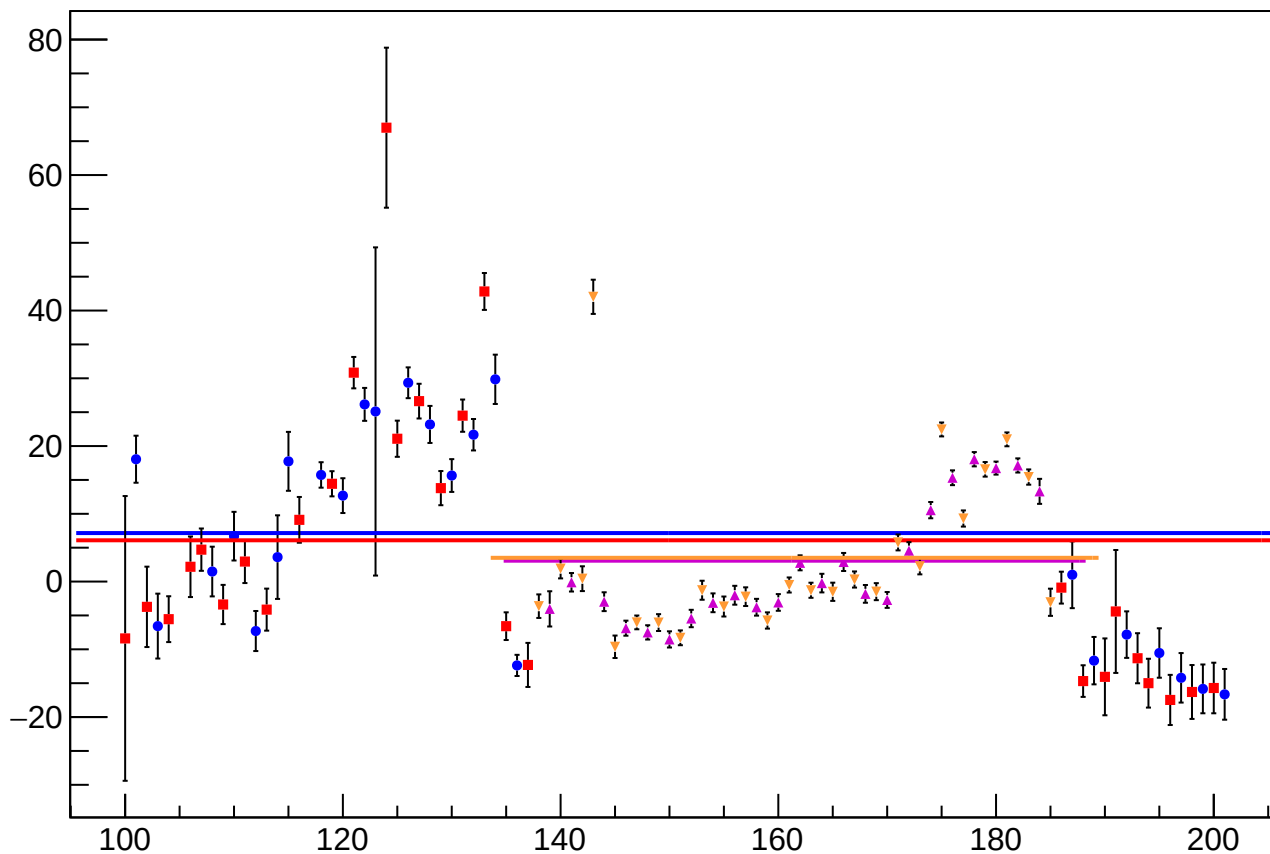
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 45.205 $\pm$ 0.259 χ^2 /NDF: 4638.7/48

All: 45.933 $\pm$ 0.179 χ^2 /NDF: 9008.2/99

- sign 46.598 $\pm$ 0.248 χ^2 /NDF: 4354.5/50

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 7.158 ± 0.603 χ^2/NDF : 702.8/23

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 6.091 ± 0.575 χ^2/NDF : 882.4/27

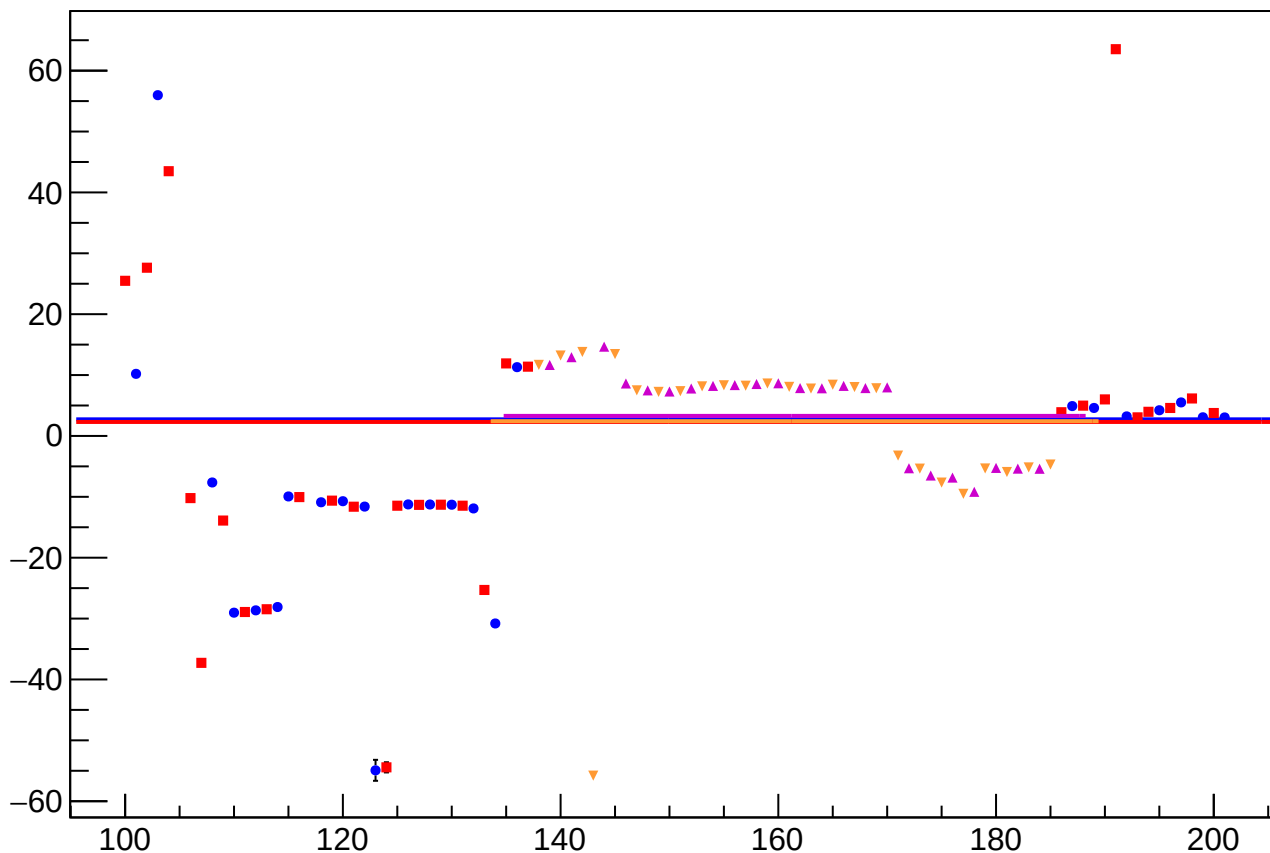
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 4.050 ± 0.233 χ^2/NDF : 2425.3/48

All: 3.818 ± 0.165 χ^2/NDF : 4598.2/99

- sign 3.583 ± 0.235 χ^2/NDF : 2170.9/50

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.726 $\pm$ 0.029 χ^2 /NDF: 359210.1/23

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 2.299 $\pm$ 0.028 χ^2 /NDF: 430927.1/27

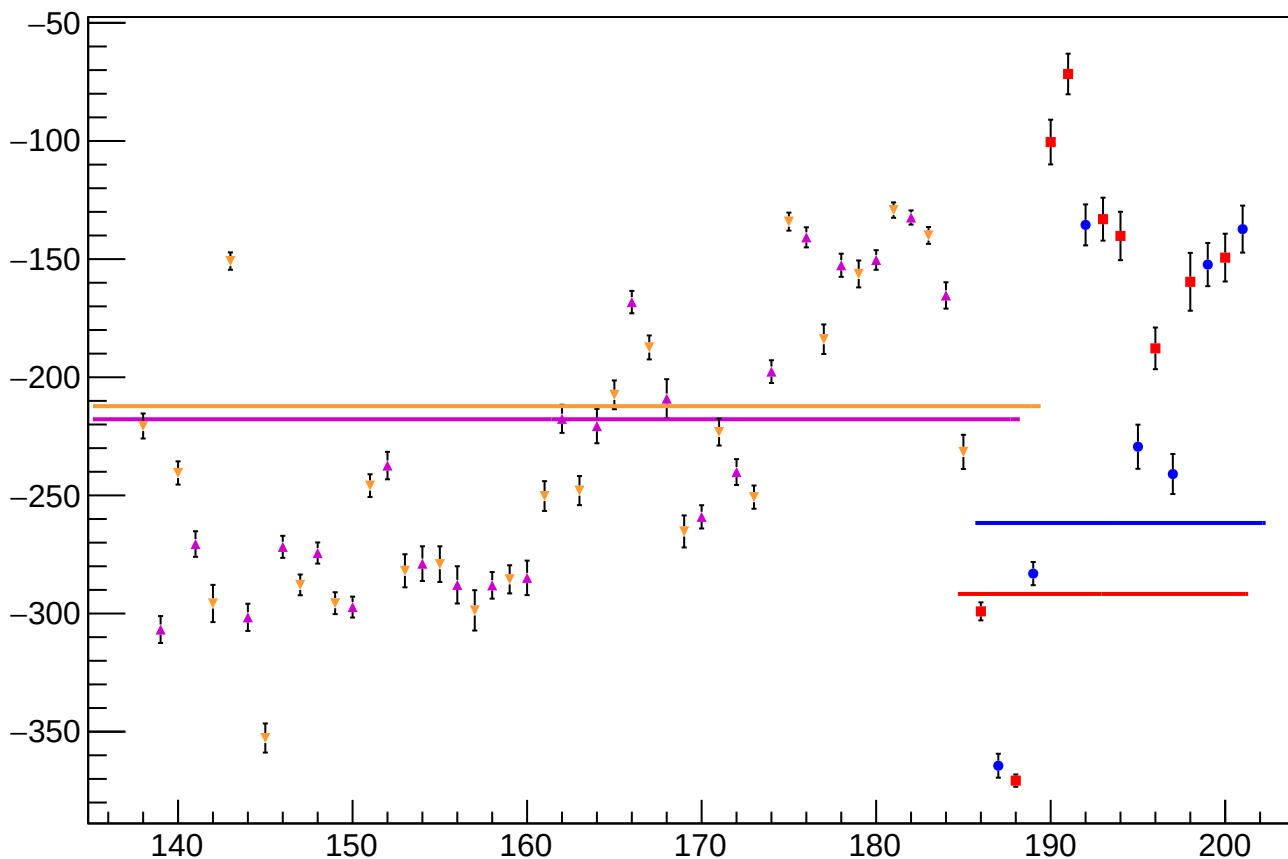
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.467 $\pm$ 0.011 χ^2 /NDF: 975685.9/48

All: 2.805 $\pm$ 0.008 χ^2 /NDF: 1814009.8/99

- sign 3.144 $\pm$ 0.011 χ^2 /NDF: 836334.2/50

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -261.670 ± 2.659 χ^2/NDF : 960.3/6

Left Out: -212.231 ± 1.029 χ^2/NDF : 3875.4/24

Right Out: -291.708 ± 1.854 χ^2/NDF : 2959.7/8

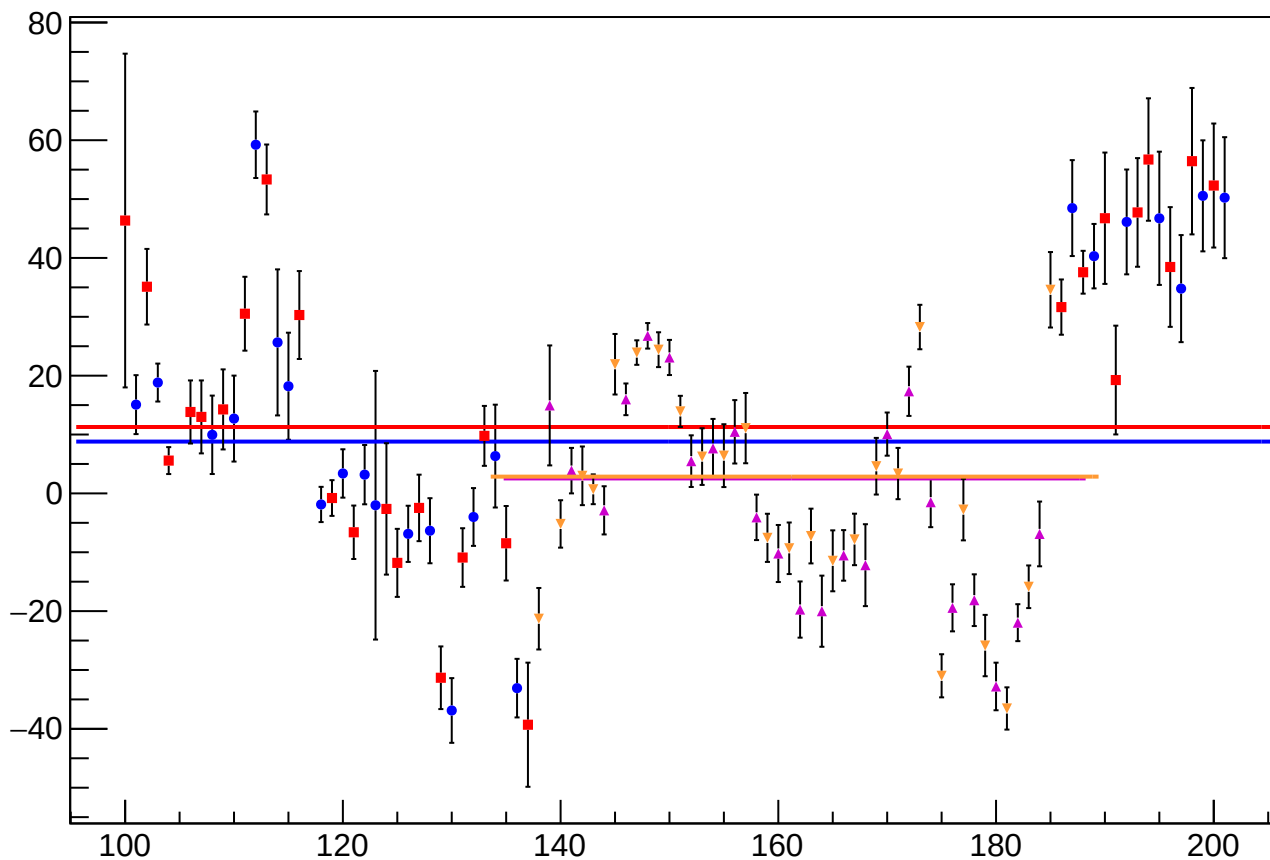
Left In: -217.779 ± 1.067 χ^2/NDF : 3448.9/22

+ sign -218.677 ± 0.960 χ^2/NDF : 5136.4/31

All: -227.754 ± 0.666 χ^2/NDF : 12912.4/63

- sign -236.174 ± 0.925 χ^2/NDF : 7603.6/31

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 8.801 ± 1.158 χ^2/NDF : 404.7/23

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 11.279 ± 1.036 χ^2/NDF : 411.6/27

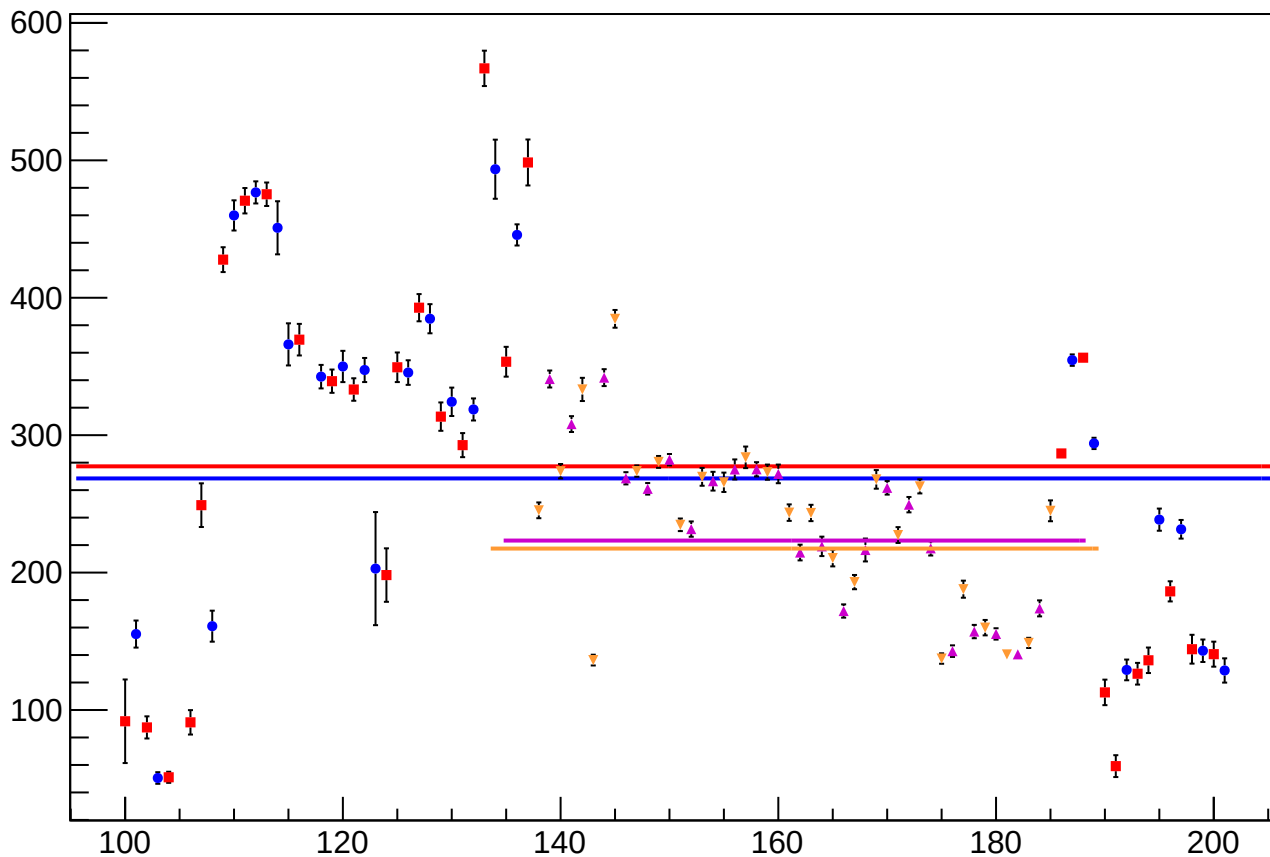
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 4.689 ± 0.644 χ^2/NDF : 1005.1/48

All: 5.304 ± 0.455 χ^2/NDF : 1935.9/99

- sign 5.919 ± 0.644 χ^2/NDF : 928.9/50

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 268.516 $\pm$ 1.572 χ^2 /NDF: 6433.7/23

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 277.312 $\pm$ 1.231 χ^2 /NDF: 10170.2/27

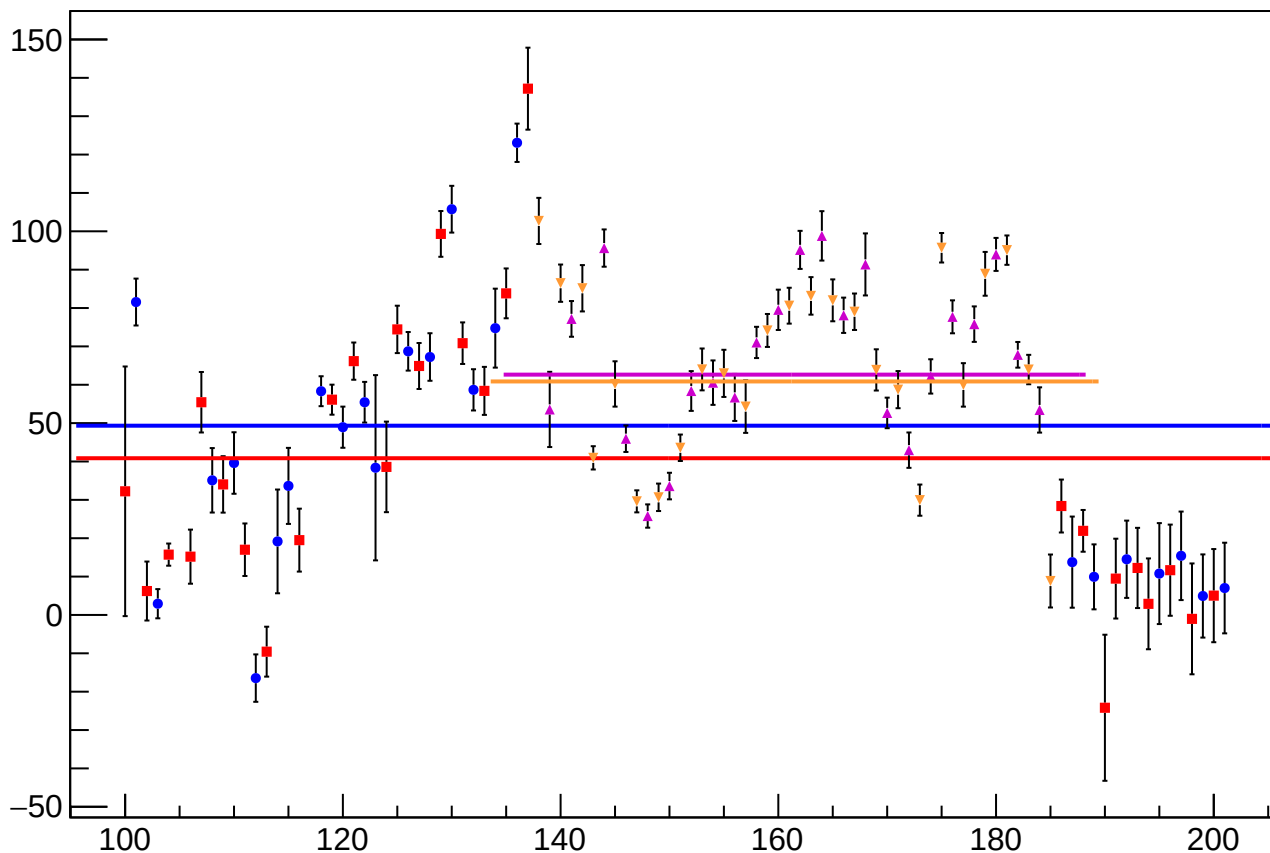
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 232.860 $\pm$ 0.863 χ^2 /NDF: 10939.5/48

All: 240.085 $\pm$ 0.588 χ^2 /NDF: 25722.4/99

- sign 246.357 $\pm$ 0.804 χ^2 /NDF: 14652.0/50

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 49.329 ± 1.359 χ^2/NDF : 733.7/23

Left Out: 60.863 ± 0.897 χ^2/NDF : 731.6/24

Right Out: 40.850 ± 1.247 χ^2/NDF : 617.3/27

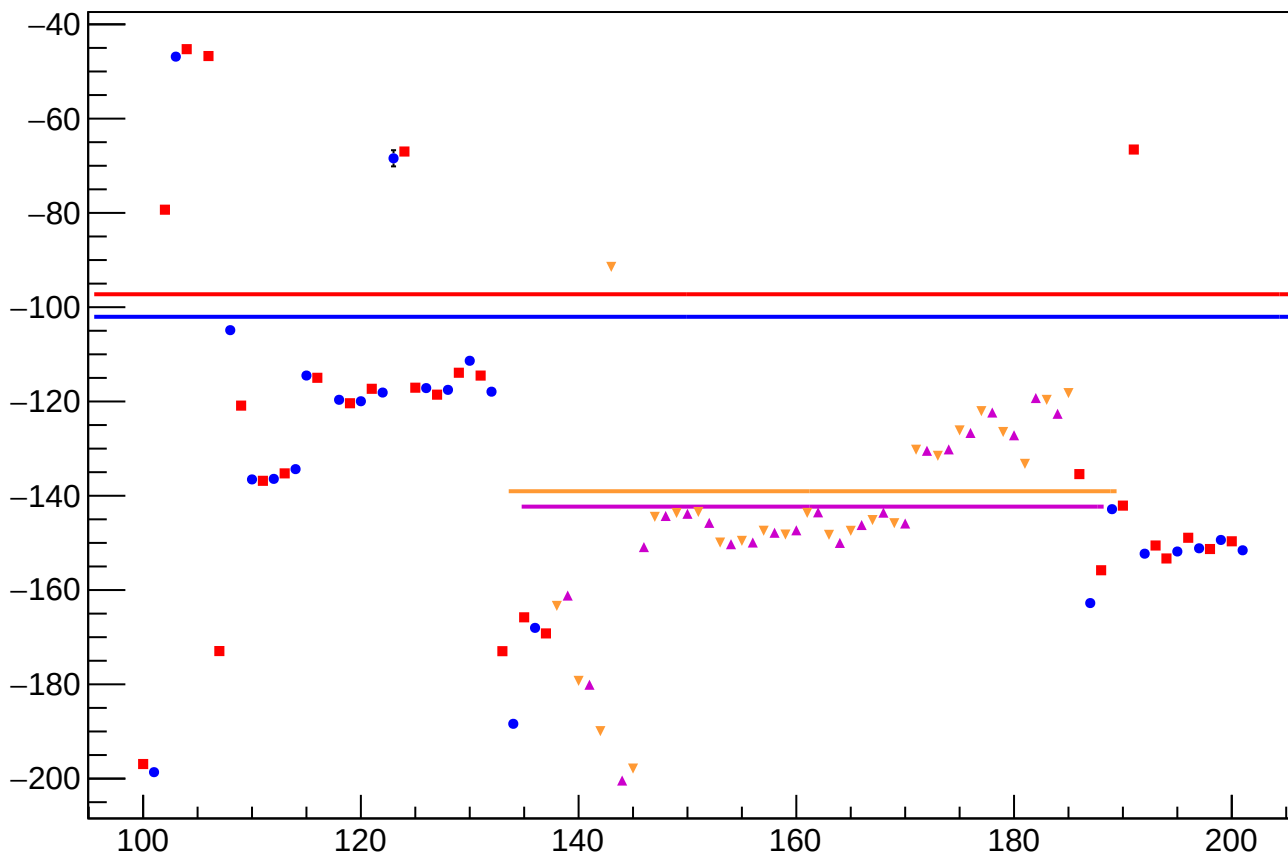
Left In: 62.640 ± 0.943 χ^2/NDF : 515.4/22

+ sign 57.364 ± 0.748 χ^2/NDF : 1515.5/48

All: 56.046 ± 0.530 χ^2/NDF : 2848.7/99

- sign 54.716 ± 0.752 χ^2/NDF : 1327.0/50

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -102.037+/-0.061 χ^2/NDF : 679581.6/23

Left Out: -139.040+/-0.043 χ^2/NDF : 258113.4/24

Right Out: -97.256+/-0.057 χ^2/NDF : 703687.3/27

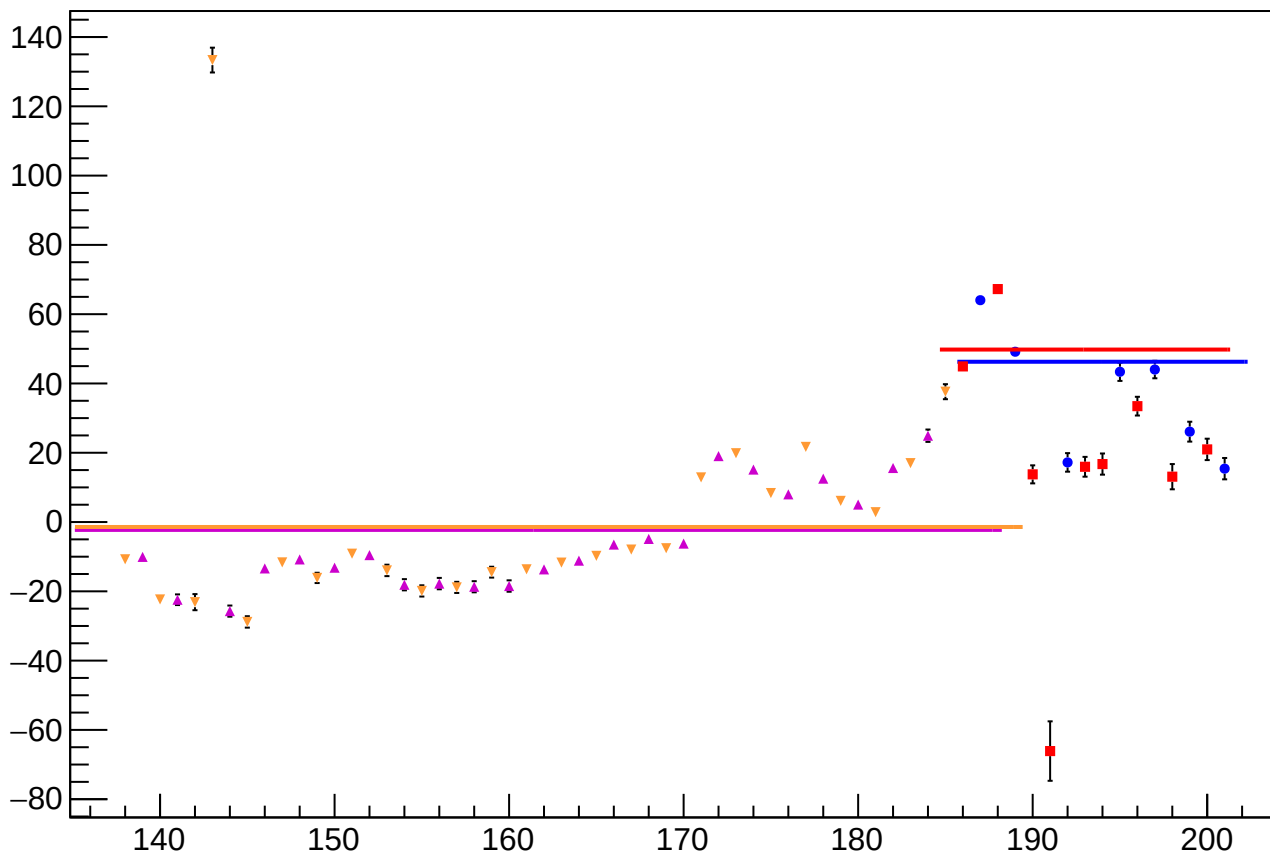
Left In: -142.305+/-0.044 χ^2/NDF : 143351.8/22

+ sign -126.840+/-0.035 χ^2/NDF : 1183339.2/48

All: -126.158+/-0.025 χ^2/NDF : 2421153.9/99

- sign -125.484+/-0.035 χ^2/NDF : 1237064.4/50

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 46.268 $\pm$ 0.778 χ^2 /NDF: 436.3/6

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 49.788 $\pm$ 0.519 χ^2 /NDF: 1396.2/8

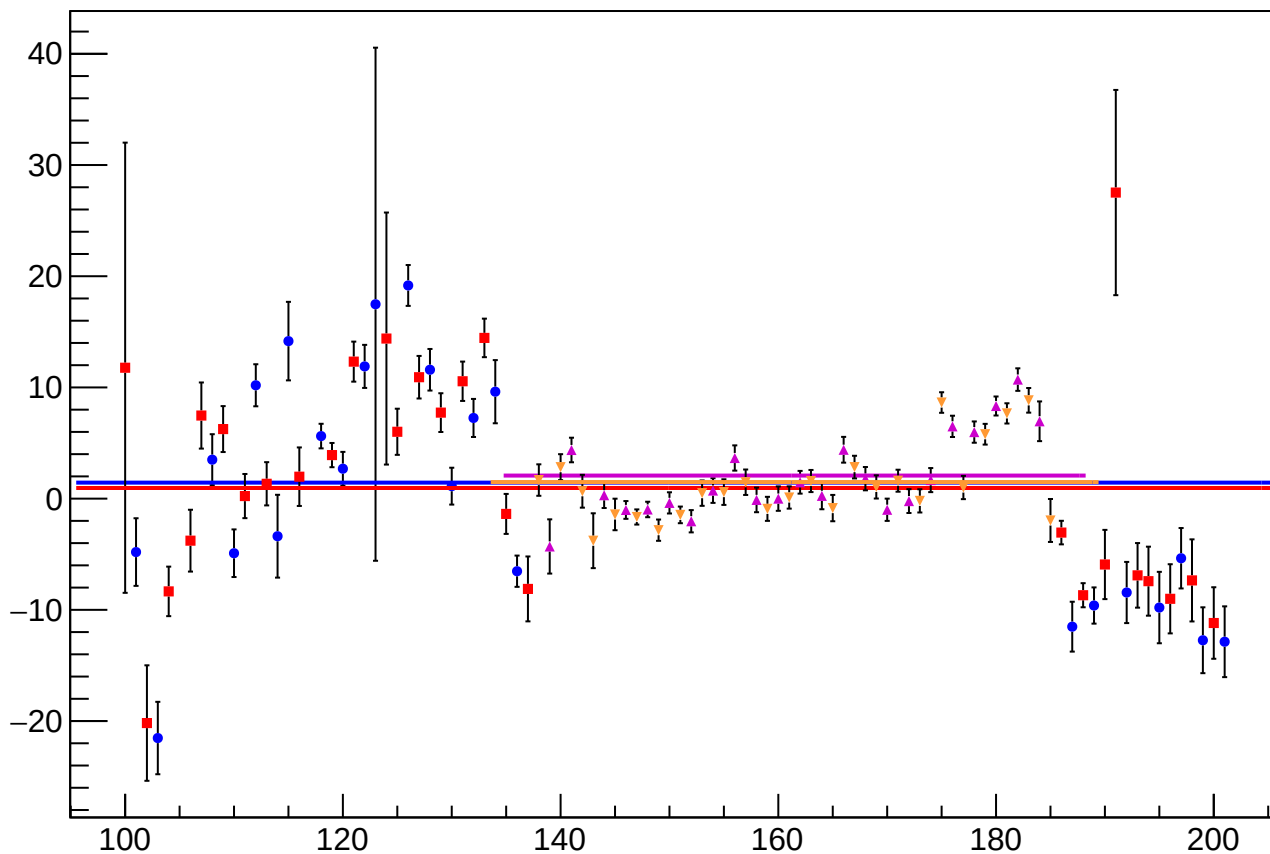
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 3.625 $\pm$ 0.253 χ^2 /NDF: 8139.7/31

All: 6.384 $\pm$ 0.174 χ^2 /NDF: 20191.8/63

- sign 8.865 $\pm$ 0.240 χ^2 /NDF: 11826.3/31

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 1.440 $\pm$ 0.421 χ^2 /NDF: 472.9/23

Left Out: 1.491 $\pm$ 0.210 χ^2 /NDF: 259.1/24

Right Out: 0.957 $\pm$ 0.383 χ^2 /NDF: 398.0/27

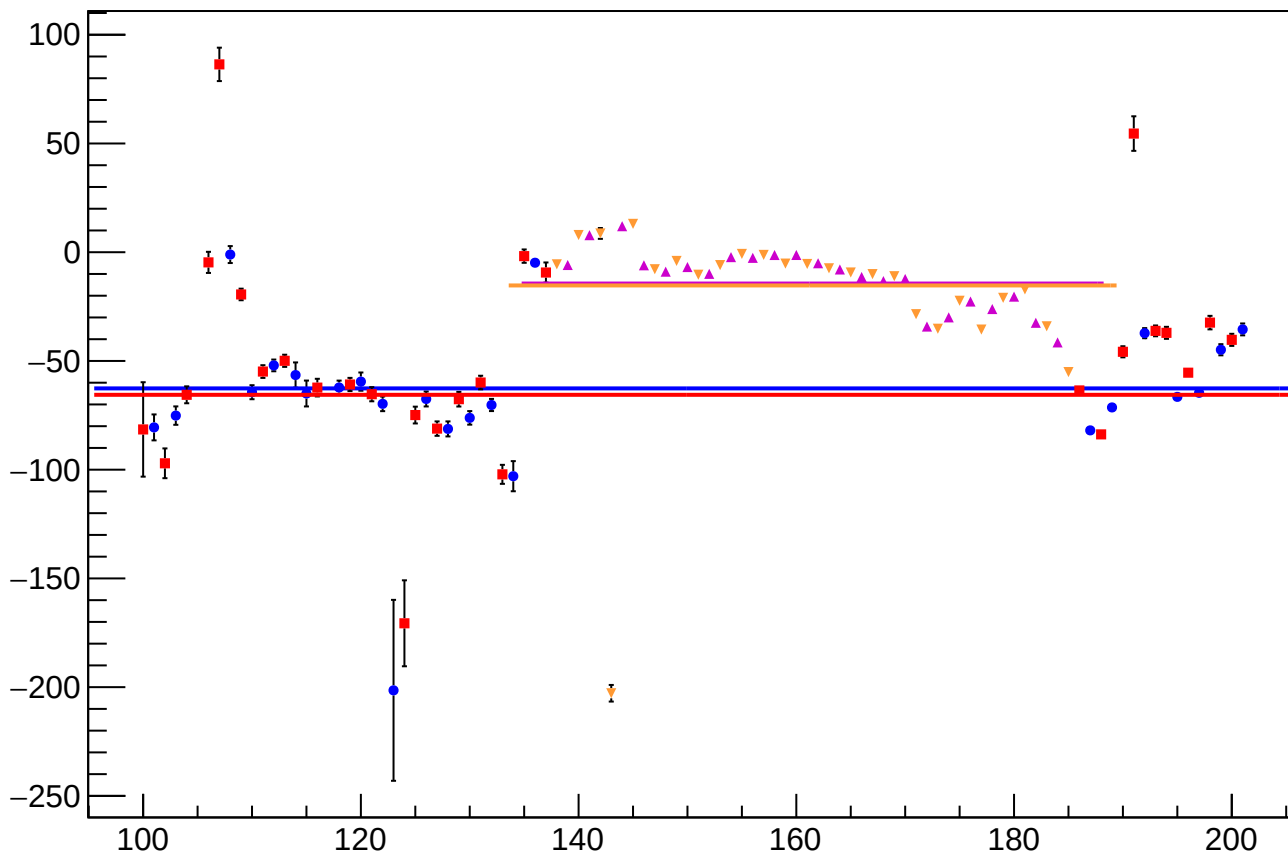
Left In: 2.075 $\pm$ 0.215 χ^2 /NDF: 274.6/22

+ sign 1.481 $\pm$ 0.188 χ^2 /NDF: 732.0/48

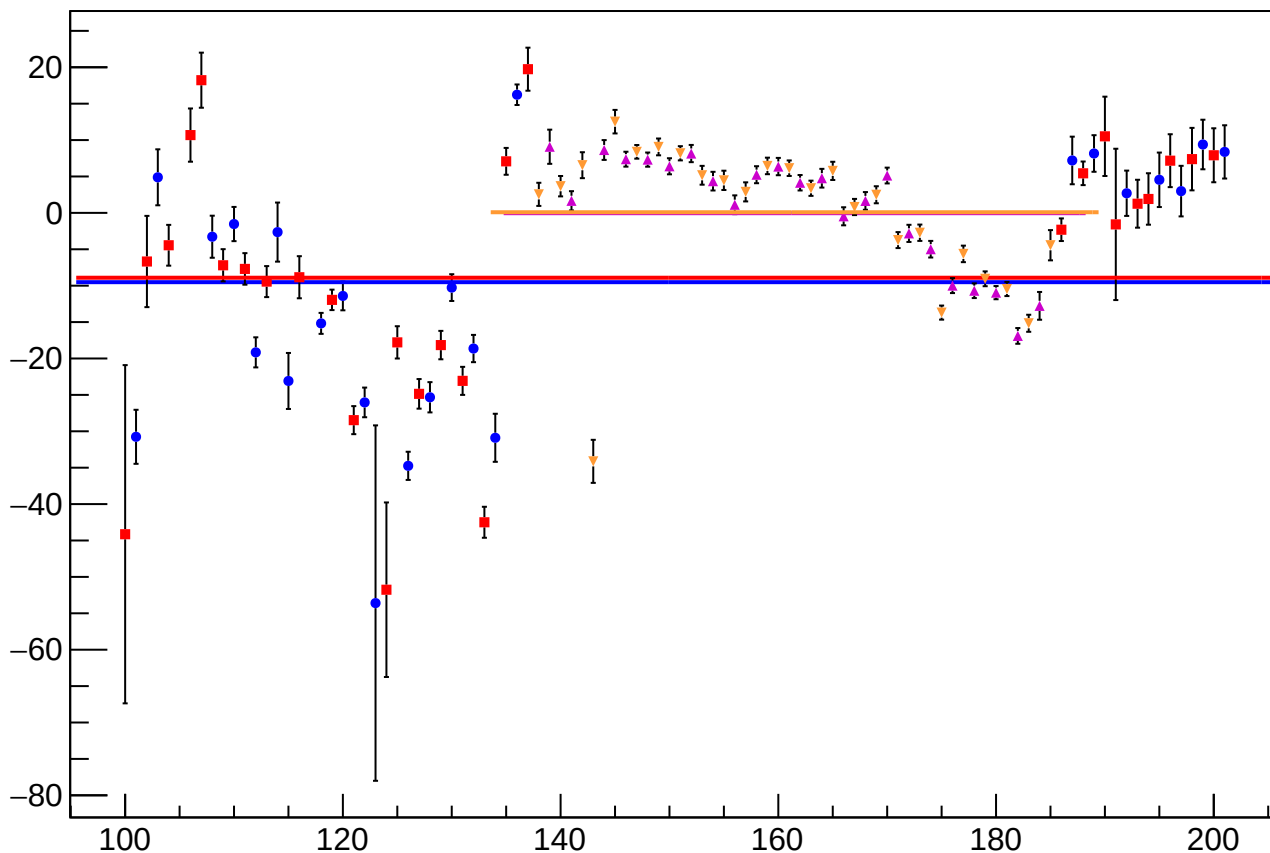
All: 1.644 $\pm$ 0.133 χ^2 /NDF: 1412.5/99

- sign 1.806 $\pm$ 0.188 χ^2 /NDF: 679.0/50

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -9.518 ± 0.492 χ^2/NDF : 985.3/23

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -8.907 ± 0.463 χ^2/NDF : 962.1/27

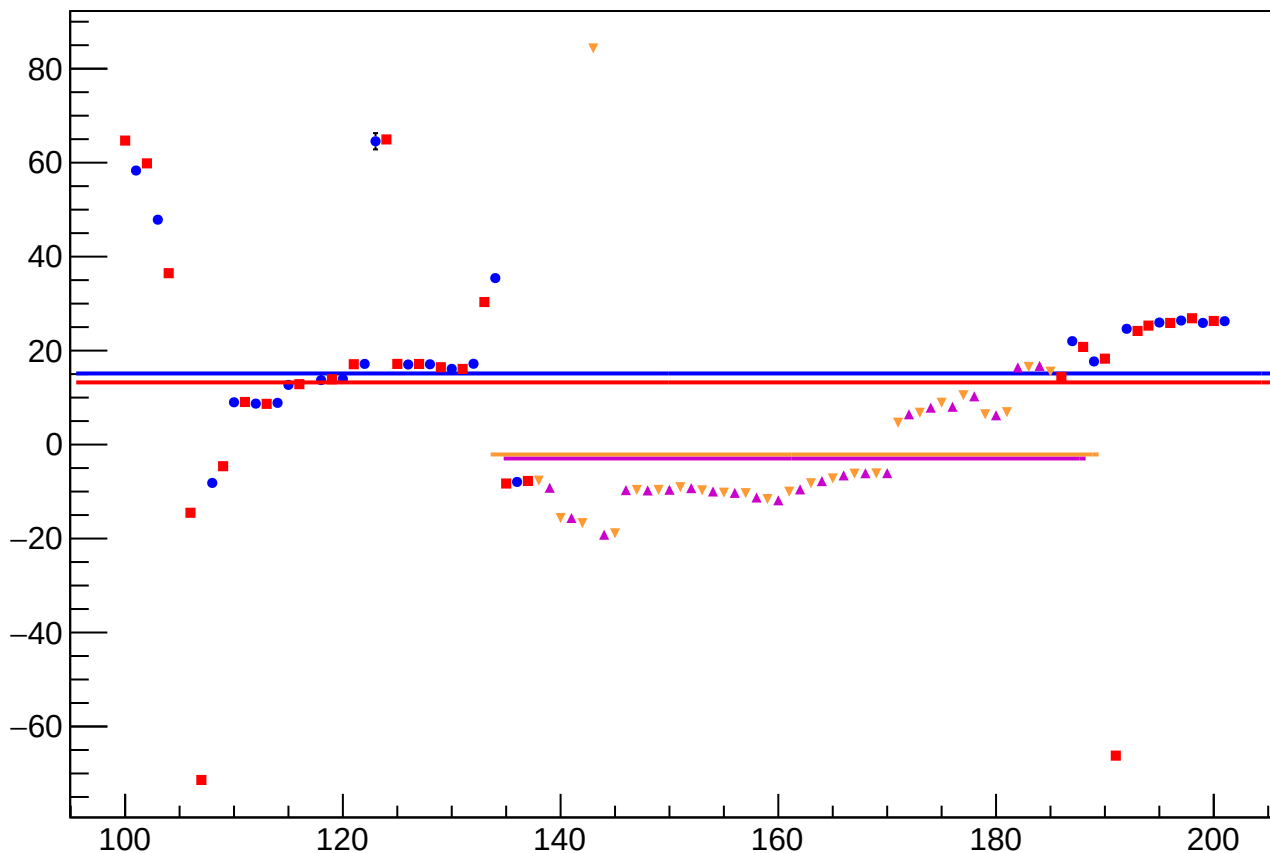
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.737 ± 0.214 χ^2/NDF : 2466.4/48

All: -1.847 ± 0.152 χ^2/NDF : 4744.3/99

- sign -1.957 ± 0.215 χ^2/NDF : 2277.4/50

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 15.136 $\pm$ 0.025 χ^2 /NDF: 457676.3/23

Left Out: -2.105 $\pm$ 0.011 χ^2 /NDF: 1093120.2/24

Right Out: 13.232 $\pm$ 0.024 χ^2 /NDF: 725792.6/27

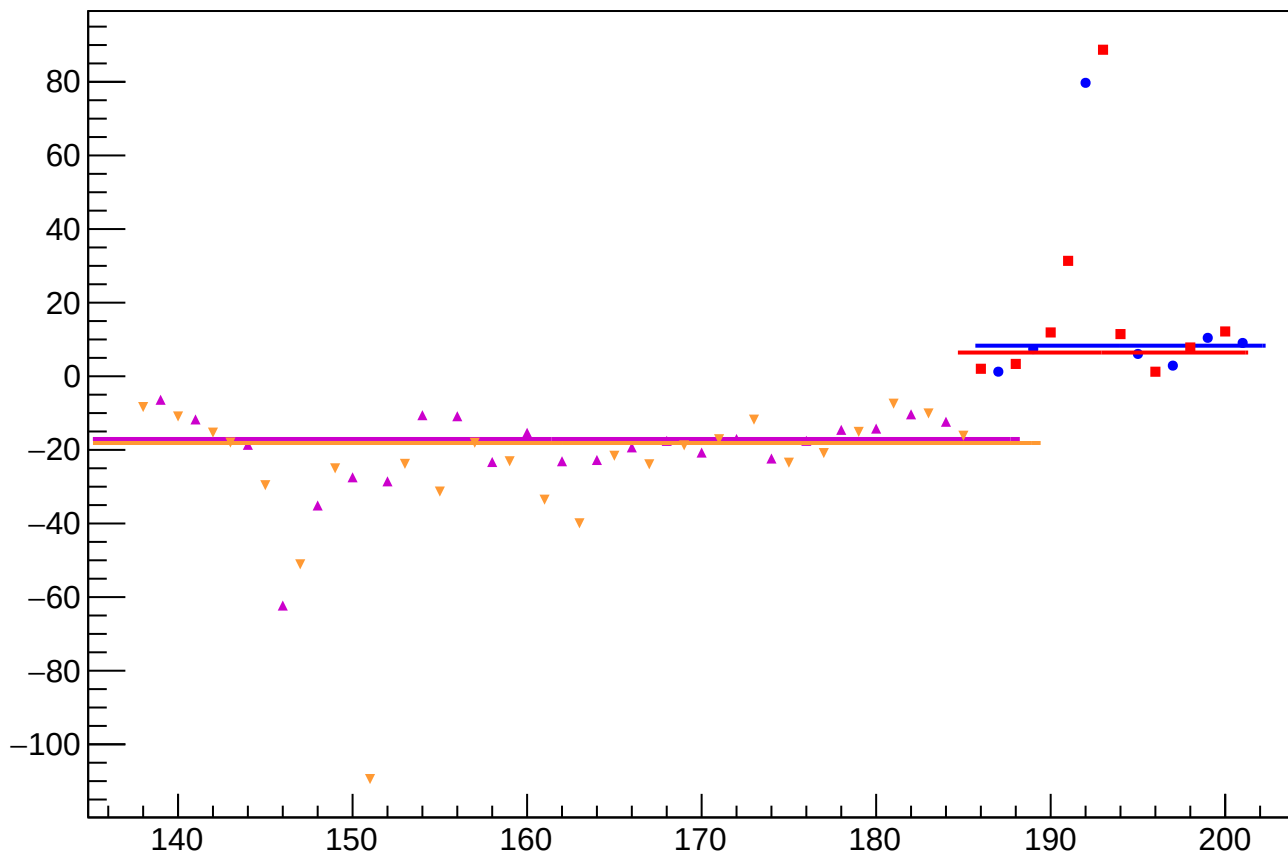
Left In: -2.959 $\pm$ 0.011 χ^2 /NDF: 763000.9/22

+ sign 0.662 $\pm$ 0.010 χ^2 /NDF: 1950785.9/48

All: 0.238 $\pm$ 0.007 χ^2 /NDF: 3813993.7/99

- sign -0.187 $\pm$ 0.010 χ^2 /NDF: 1859607.3/50

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 8.313+/-0.084 χ^2/NDF : 24435.6/6

Left Out: -18.128+/-0.039 χ^2/NDF : 88551.6/24

Right Out: 6.447+/-0.071 χ^2/NDF : 25592.8/8

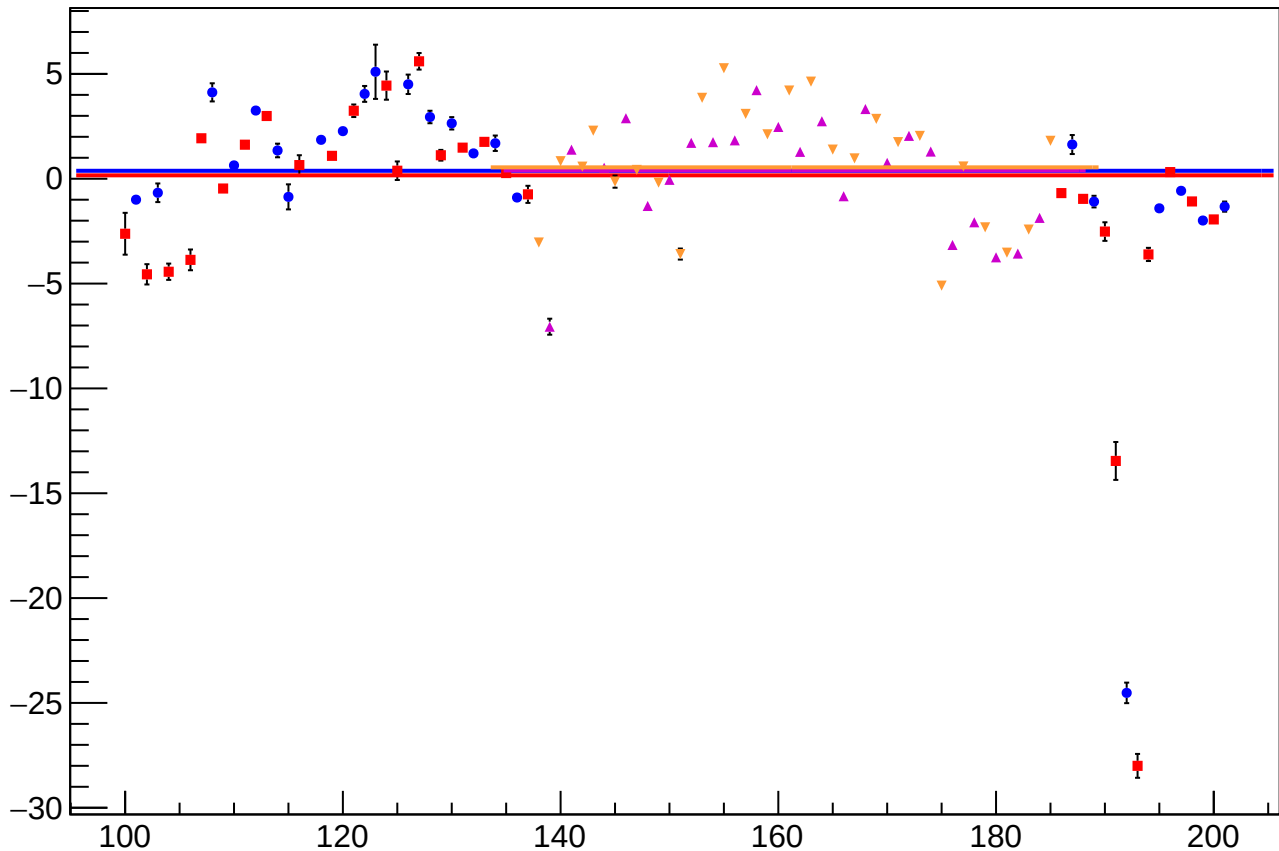
Left In: -17.038+/-0.038 χ^2/NDF : 44141.1/22

+ sign -13.429+/-0.035 χ^2/NDF : 195032.2/31

All: -12.547+/-0.024 χ^2/NDF : 351300.4/63

- sign -11.748+/-0.034 χ^2/NDF : 155077.9/31

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.379 ± 0.052 $\chi^2/\text{NDF}: 3801.7/23$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.163 ± 0.048 $\chi^2/\text{NDF}: 4210.5/27$

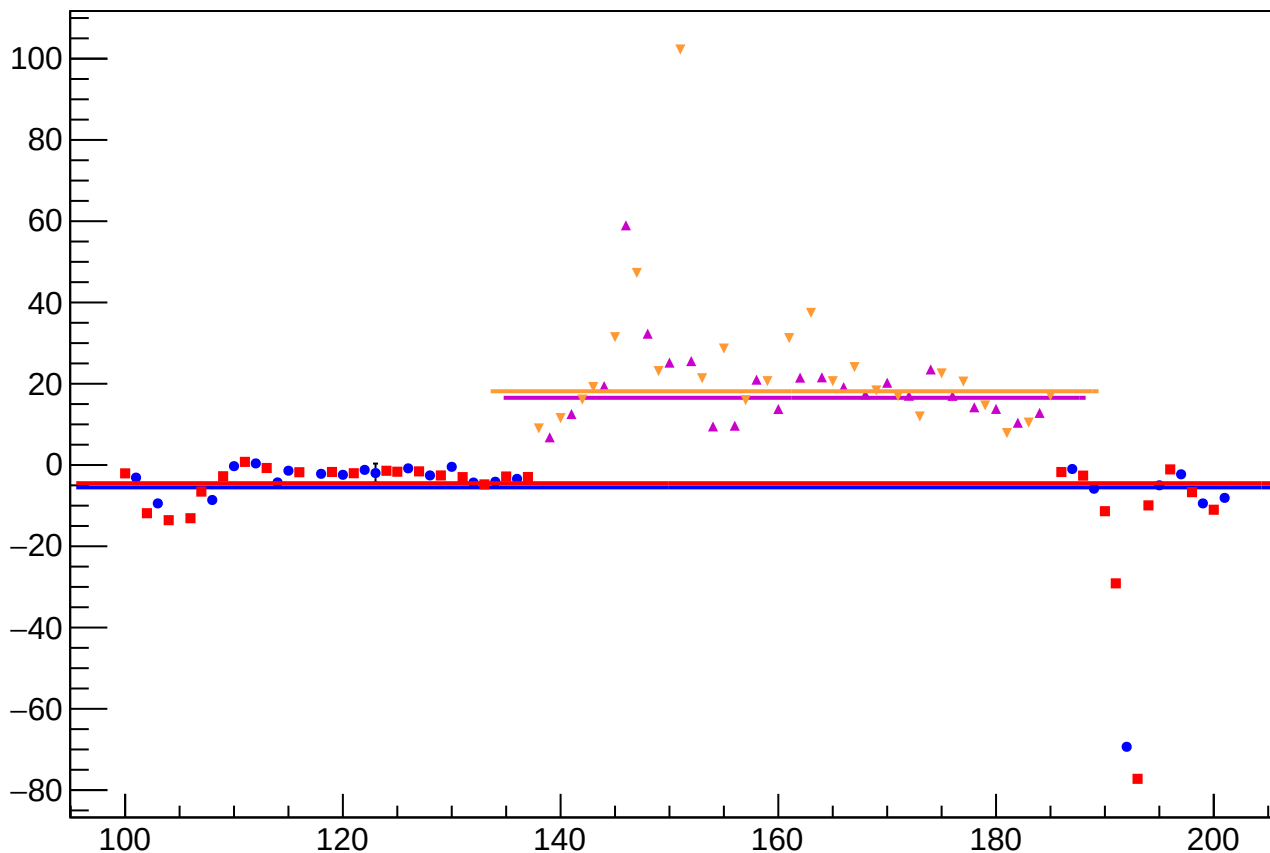
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.497 ± 0.027 $\chi^2/\text{NDF}: 10894.2/48$

All: 0.408 ± 0.019 $\chi^2/\text{NDF}: 21377.0/99$

- sign 0.329 ± 0.026 $\chi^2/\text{NDF}: 10463.0/50$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.506 ± 0.060 $\chi^2/\text{NDF}: 26553.3/23$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.472 ± 0.051 $\chi^2/\text{NDF}: 27564.5/27$

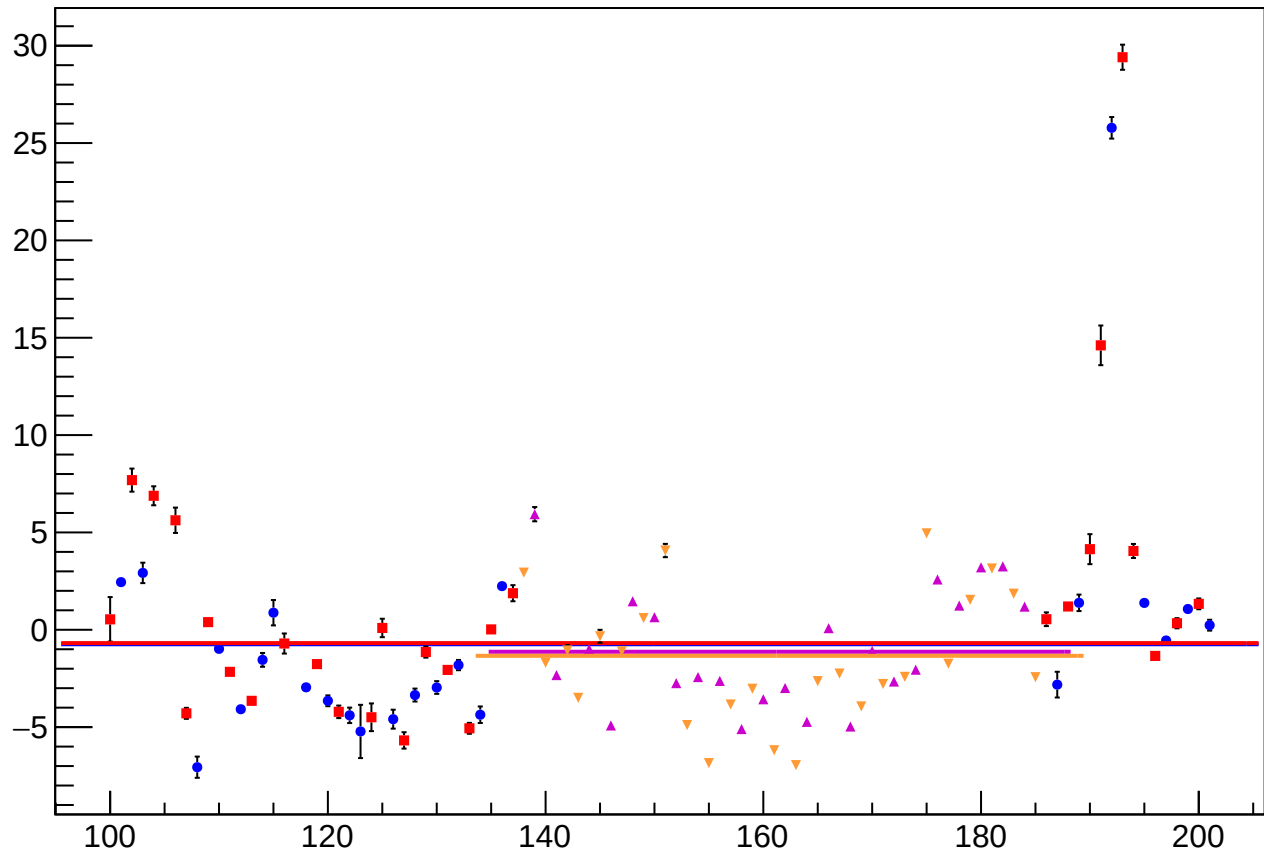
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 11.091 ± 0.033 $\chi^2/\text{NDF}: 213654.9/48$

All: 9.977 ± 0.022 $\chi^2/\text{NDF}: 395022.6/99$

- sign 9.026 ± 0.030 $\chi^2/\text{NDF}: 179221.5/50$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.744 ± 0.060 χ^2/NDF : 3889.9/23

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.684 ± 0.056 χ^2/NDF : 4442.0/27

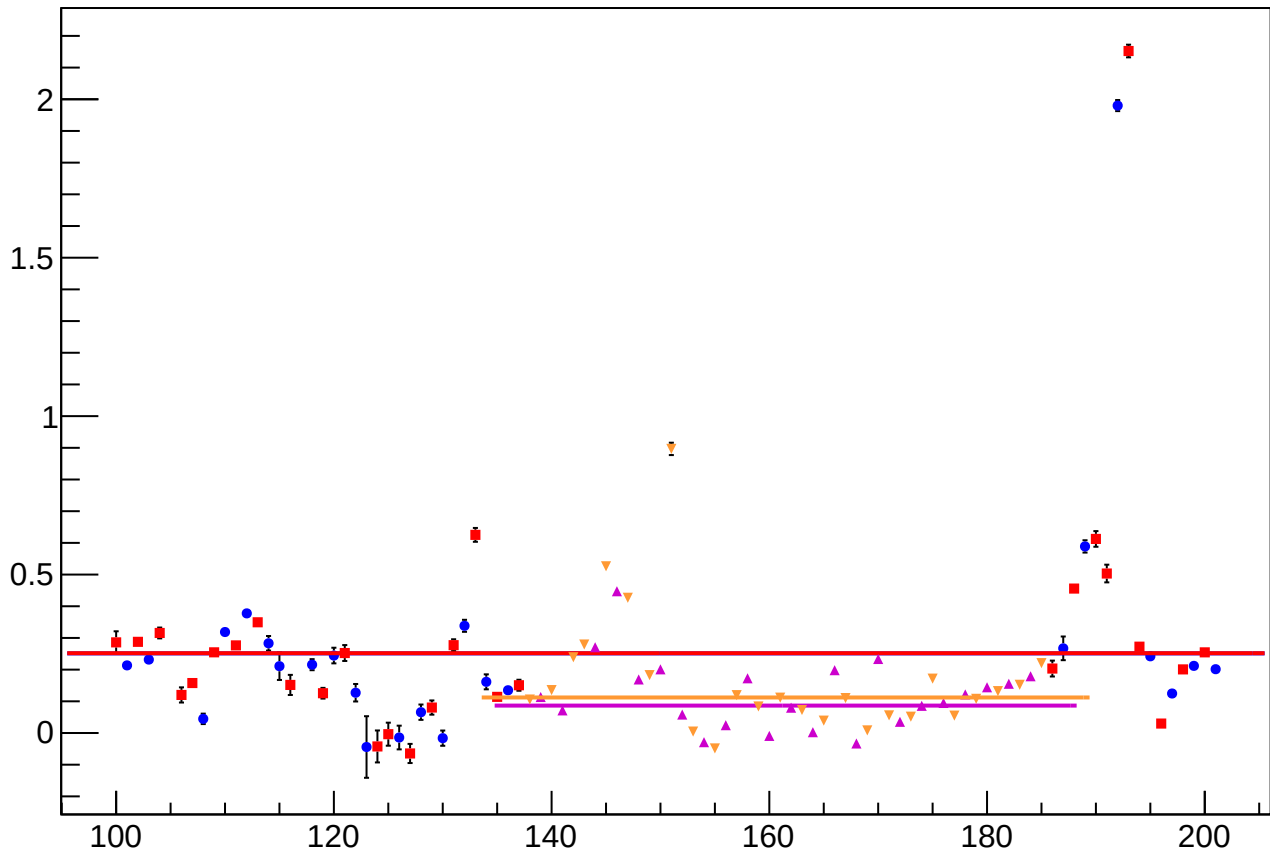
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.183 ± 0.031 χ^2/NDF : 11904.4/48

All: -1.092 ± 0.021 χ^2/NDF : 23148.7/99

- sign -1.010 ± 0.029 χ^2/NDF : 11227.8/50

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.251+/-0.003 χ^2/NDF : 11170.3/23

Left Out: 0.112+/-0.002 χ^2/NDF : 4503.9/24

Right Out: 0.252+/-0.003 χ^2/NDF : 11580.1/27

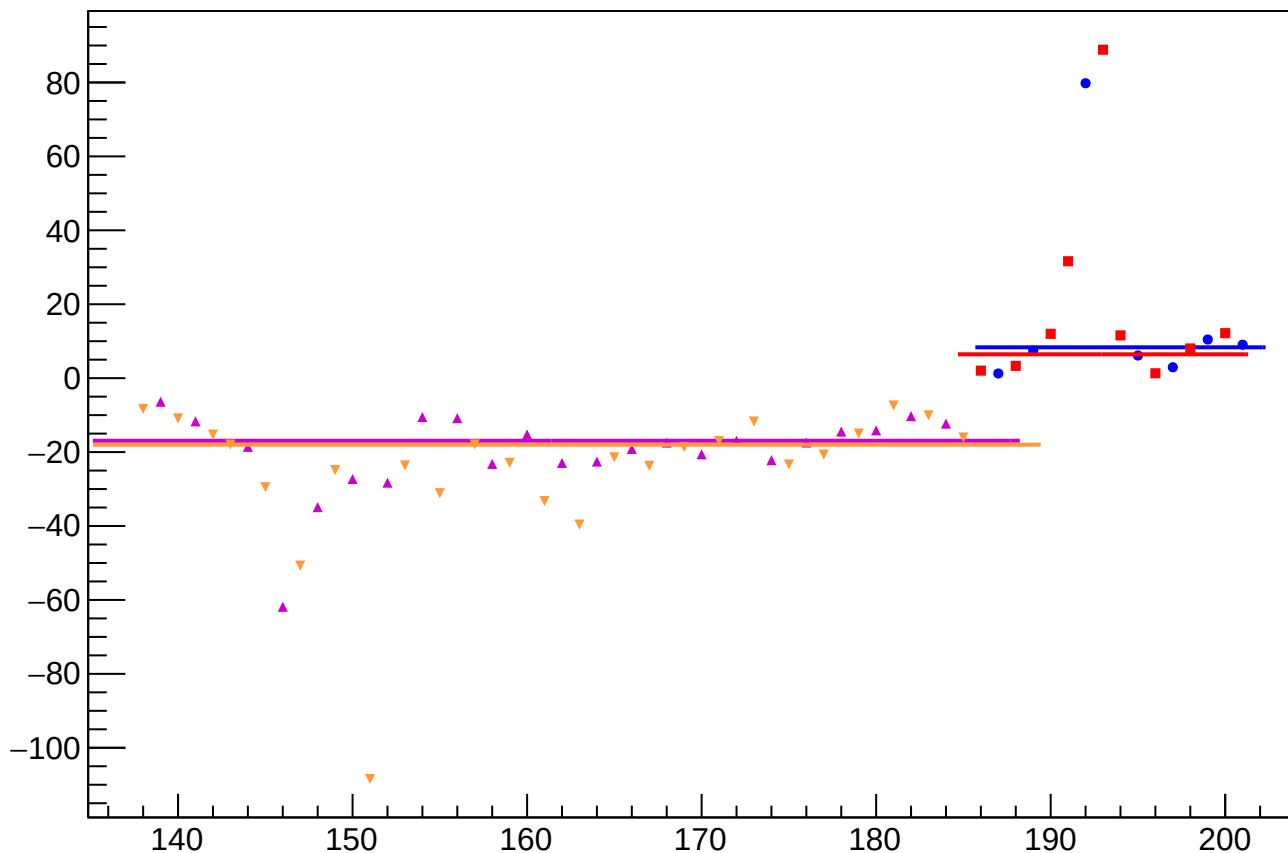
Left In: 0.087+/-0.002 χ^2/NDF : 3655.4/22

+ sign 0.148+/-0.001 χ^2/NDF : 17619.9/48

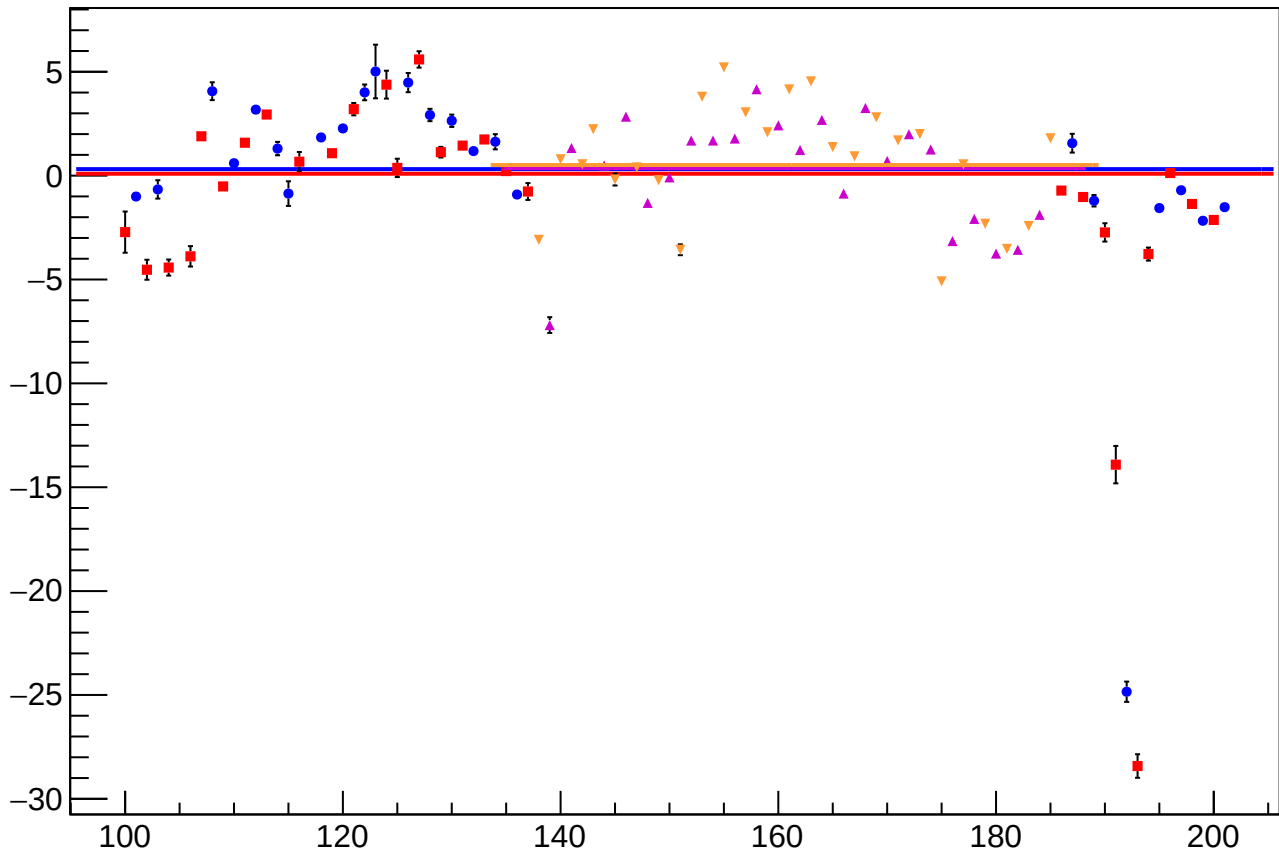
All: 0.137+/-0.001 χ^2/NDF : 35965.7/99

- sign 0.127+/-0.001 χ^2/NDF : 18226.1/50

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.314 ± 0.051 χ^2/NDF : 3931.6/23

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.092 ± 0.048 χ^2/NDF : 4371.5/27

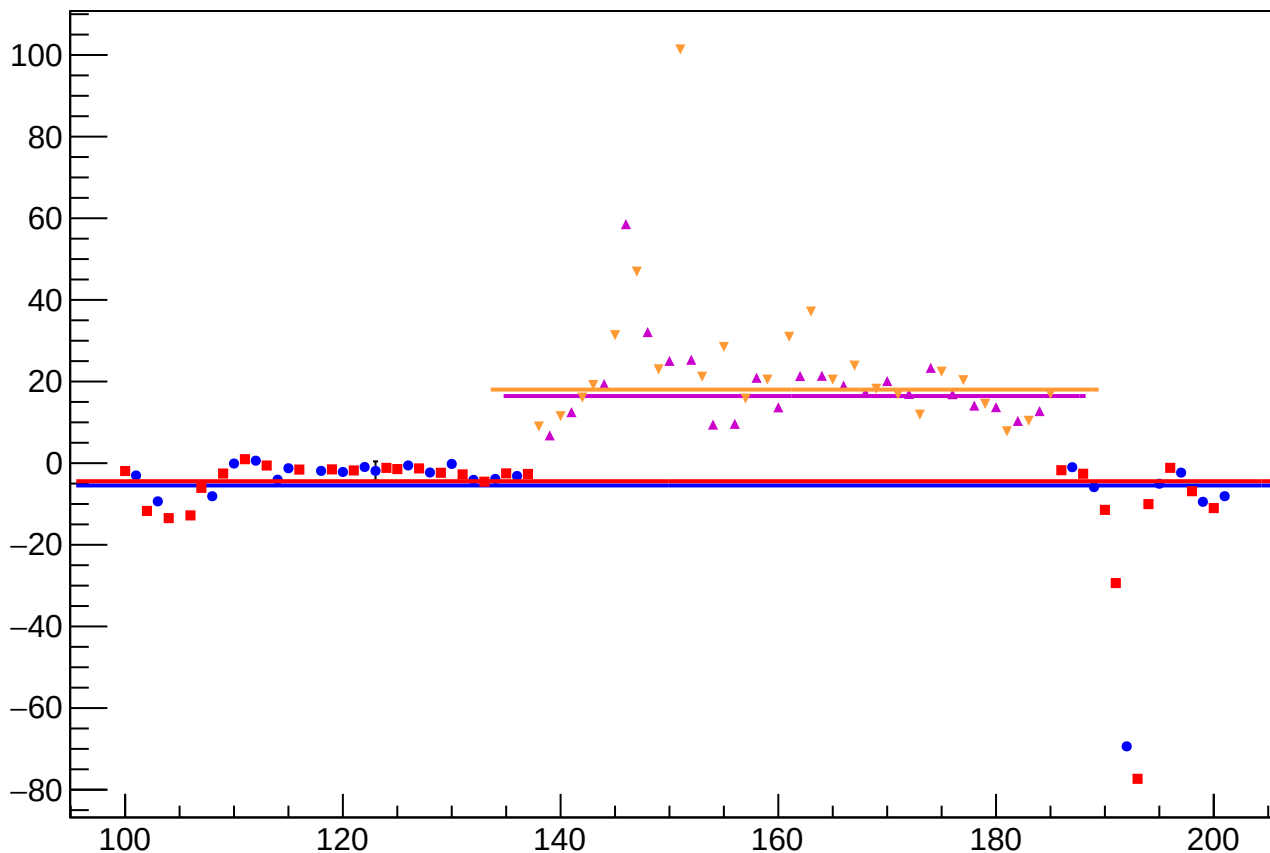
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.456 ± 0.027 χ^2/NDF : 11012.6/48

All: 0.364 ± 0.019 χ^2/NDF : 21649.0/99

- sign 0.282 ± 0.026 χ^2/NDF : 10614.9/50

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.459 ± 0.060 $\chi^2/\text{NDF}: 26885.9/23$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -4.418 ± 0.050 $\chi^2/\text{NDF}: 28030.0/27$

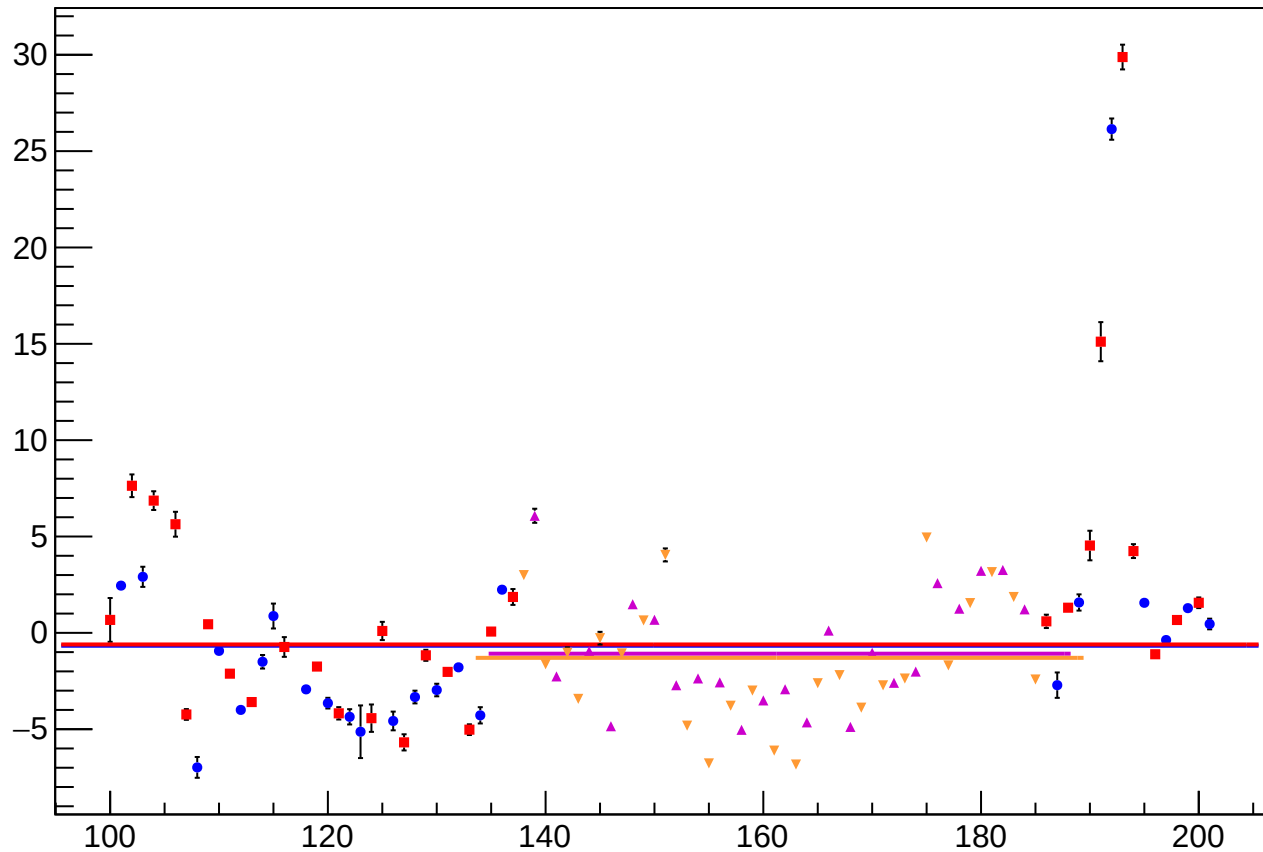
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 11.042 ± 0.033 $\chi^2/\text{NDF}: 213465.9/48$

All: 9.923 ± 0.022 $\chi^2/\text{NDF}: 395283.1/99$

- sign 8.969 ± 0.030 $\chi^2/\text{NDF}: 179627.1/50$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.668 ± 0.060 χ^2/NDF : 3995.8/23

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.602 ± 0.056 χ^2/NDF : 4592.2/27

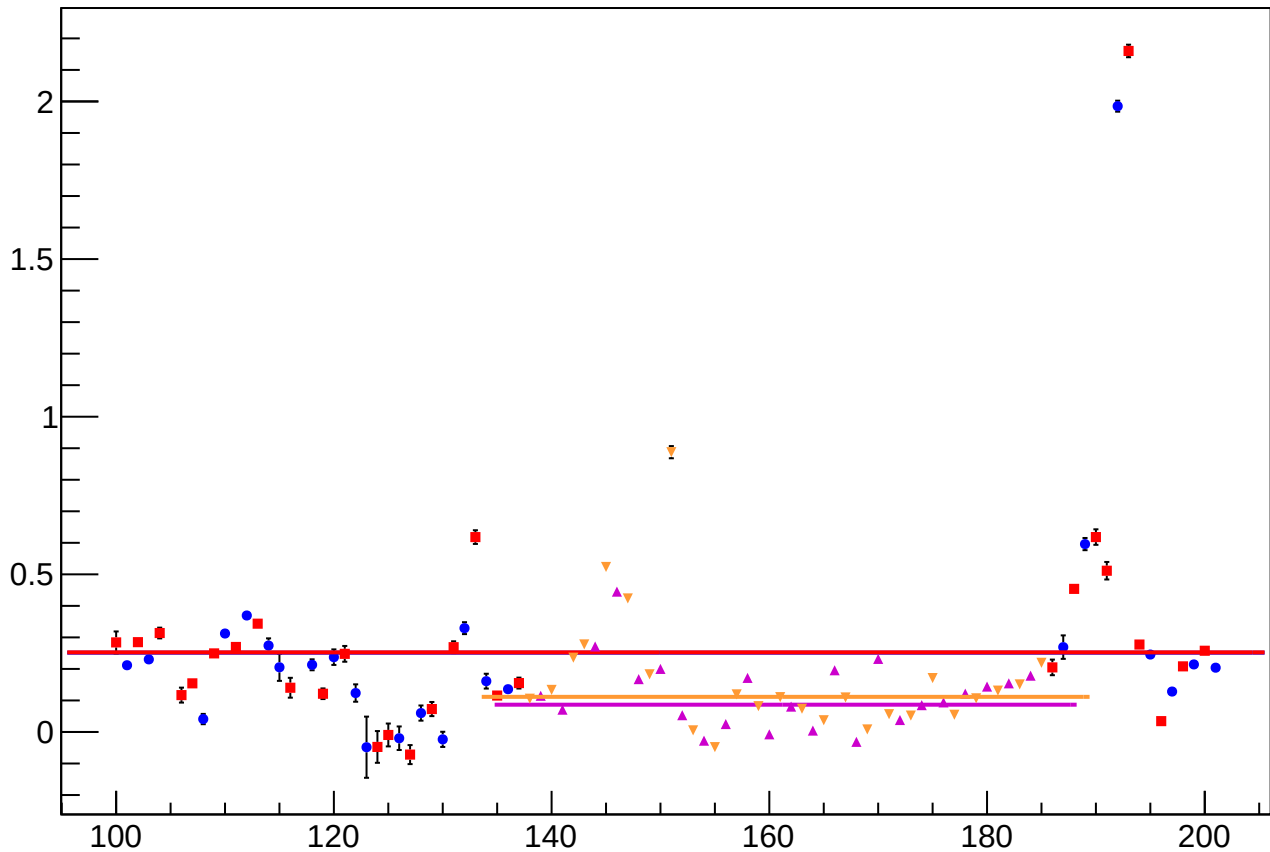
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.133 ± 0.031 χ^2/NDF : 12001.9/48

All: -1.038 ± 0.021 χ^2/NDF : 23389.9/99

- sign -0.953 ± 0.029 χ^2/NDF : 11369.8/50

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.252 ± 0.003 $\chi^2/\text{NDF}: 11297.4/23$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4496.0/24$

Right Out: 0.253 ± 0.003 $\chi^2/\text{NDF}: 11715.1/27$

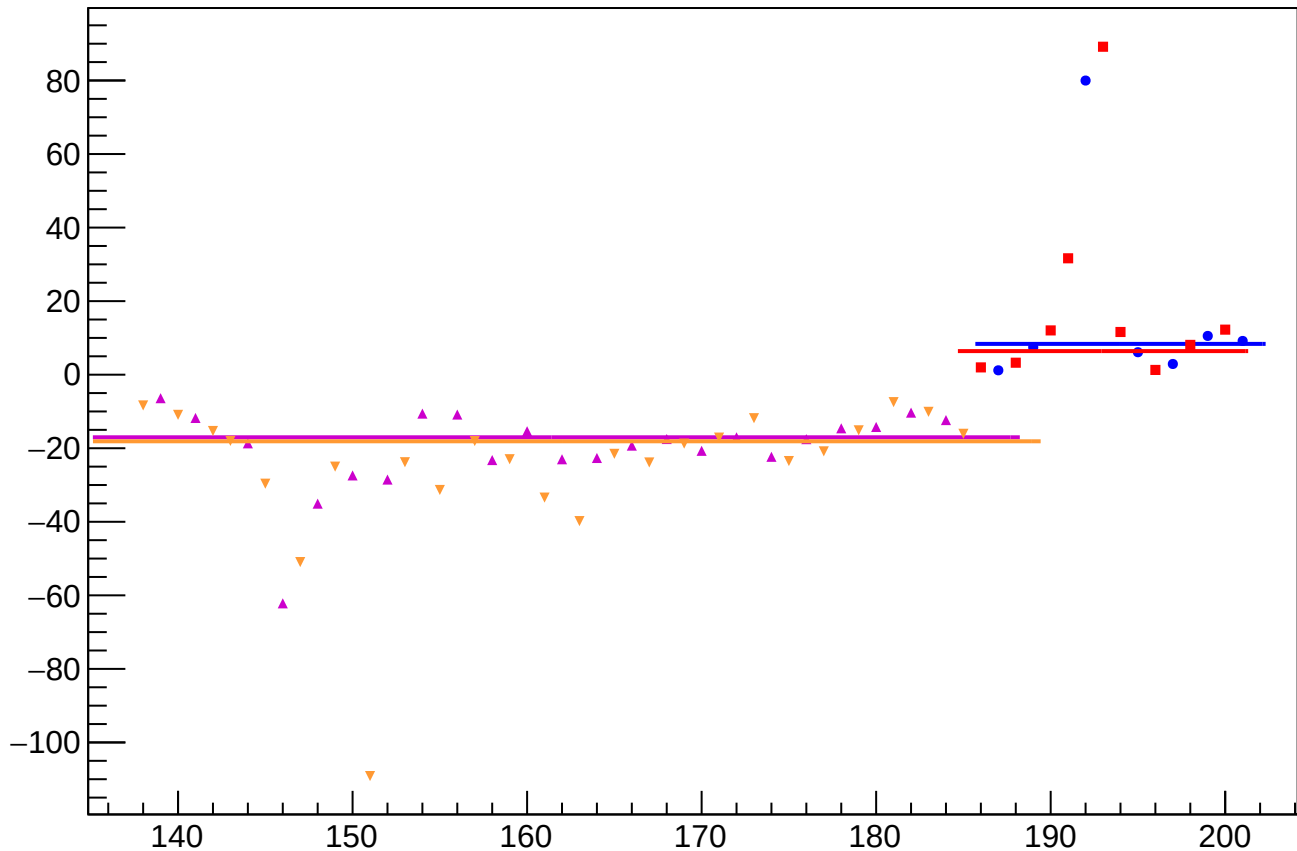
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3625.5/22$

+ sign 0.148 ± 0.001 $\chi^2/\text{NDF}: 17788.8/48$

All: 0.137 ± 0.001 $\chi^2/\text{NDF}: 36291.1/99$

- sign 0.127 ± 0.001 $\chi^2/\text{NDF}: 18388.4/50$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 8.374 ± 0.084 χ^2/NDF : 24616.1/6

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 6.413 ± 0.070 χ^2/NDF : 25987.1/8

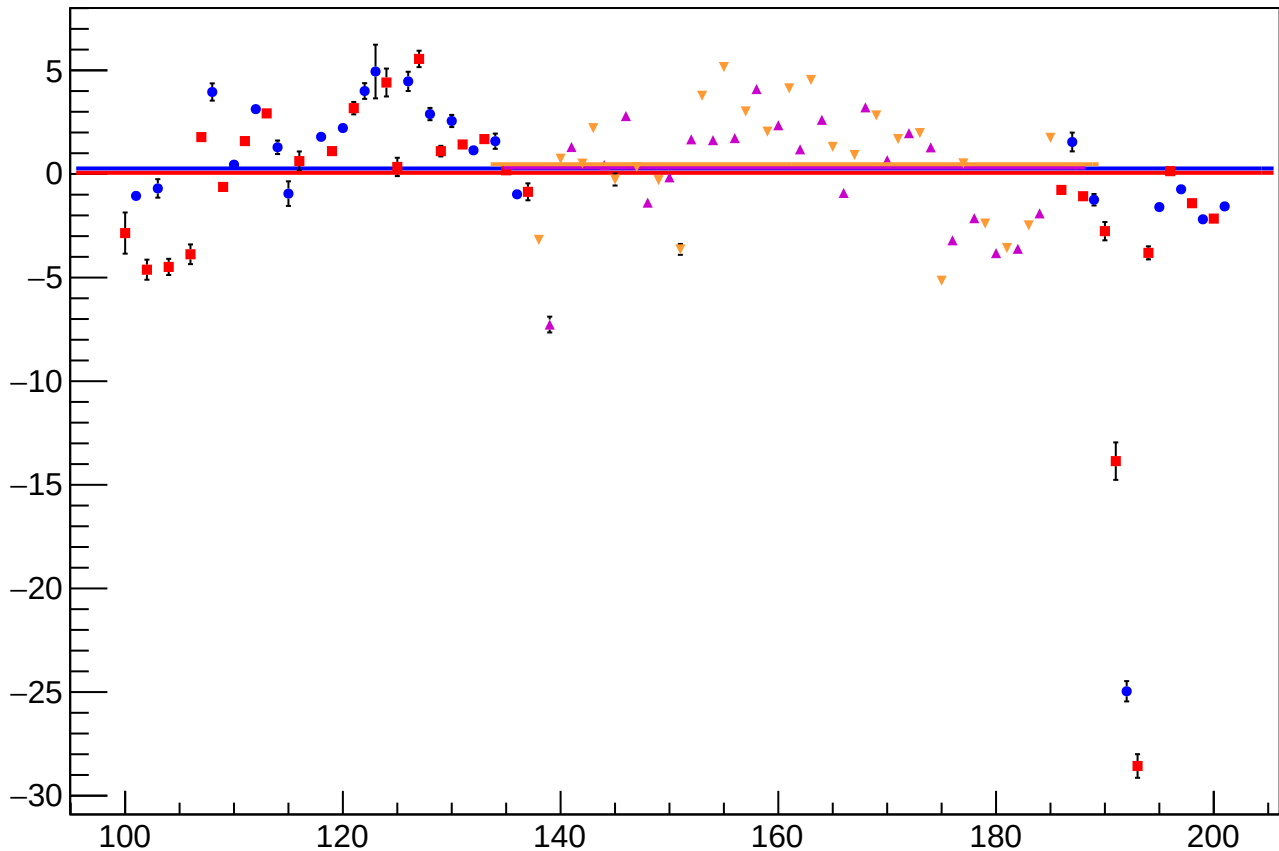
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -13.442 ± 0.035 χ^2/NDF : 195288.7/31

All: -12.533 ± 0.024 χ^2/NDF : 352676.1/63

- sign -11.712 ± 0.033 χ^2/NDF : 156118.9/31

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.265 ± 0.052 χ^2/NDF : 3916.1/23

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.055 ± 0.048 χ^2/NDF : 4367.6/27

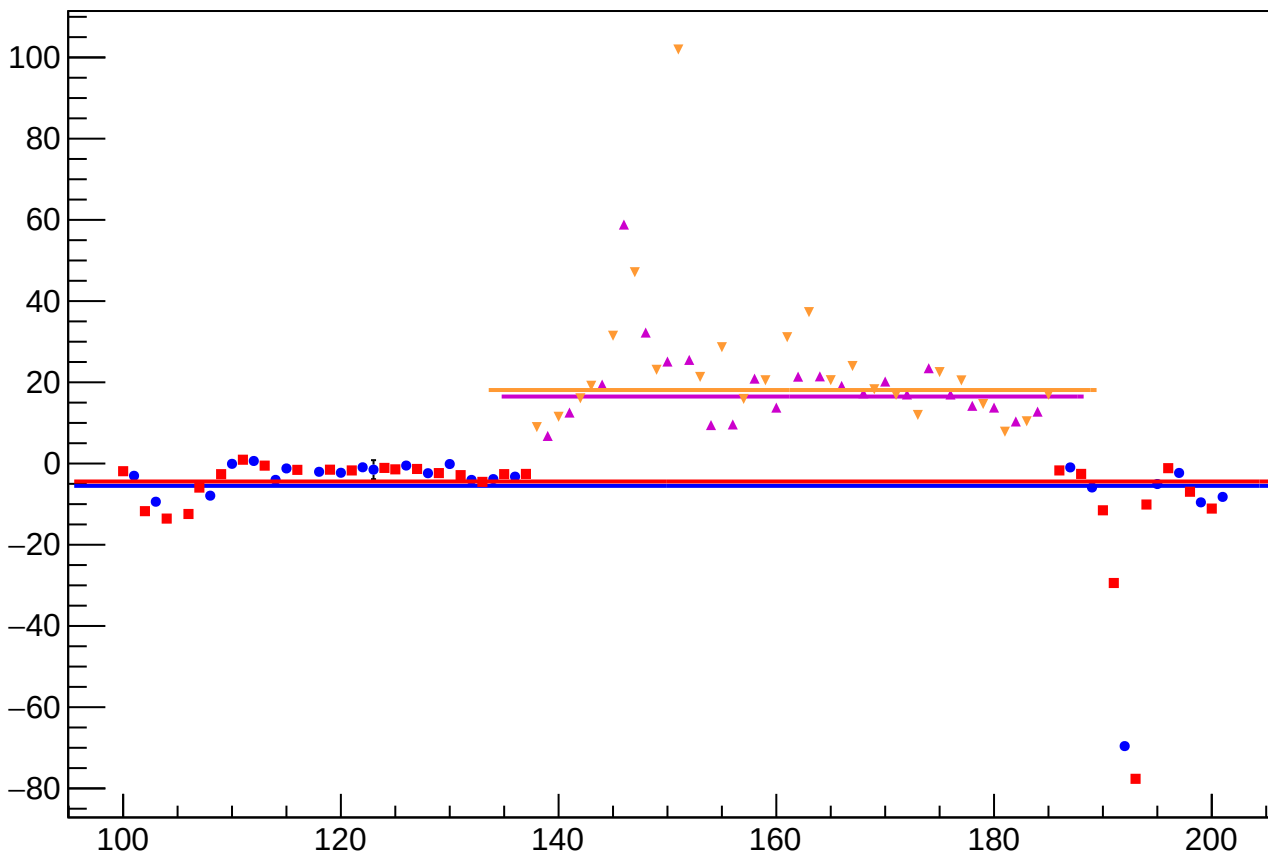
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.412 ± 0.027 χ^2/NDF : 11020.3/48

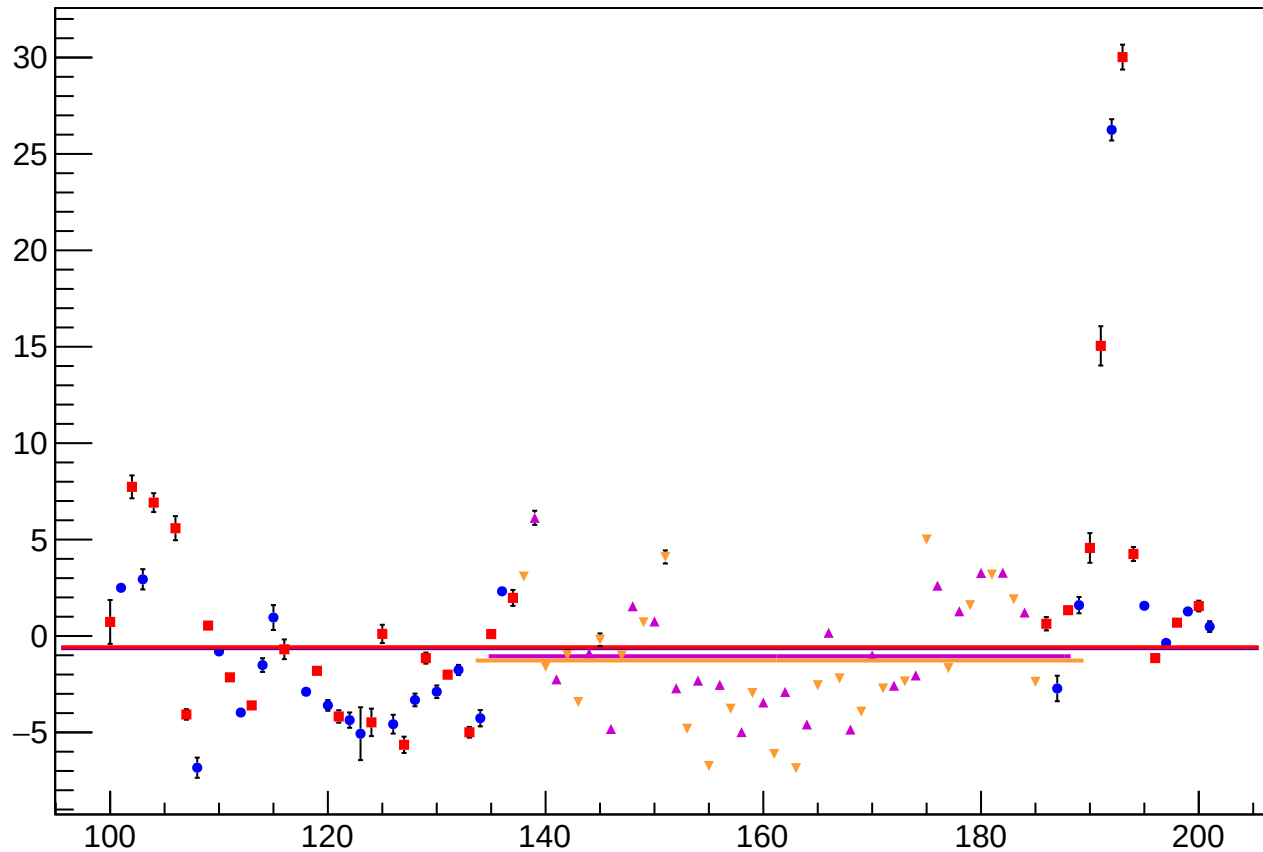
All: 0.319 ± 0.019 χ^2/NDF : 21612.9/99

- sign 0.237 ± 0.026 χ^2/NDF : 10571.0/50

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.632 ± 0.060 χ^2/NDF : 3984.8/23

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.585 ± 0.056 χ^2/NDF : 4591.6/27

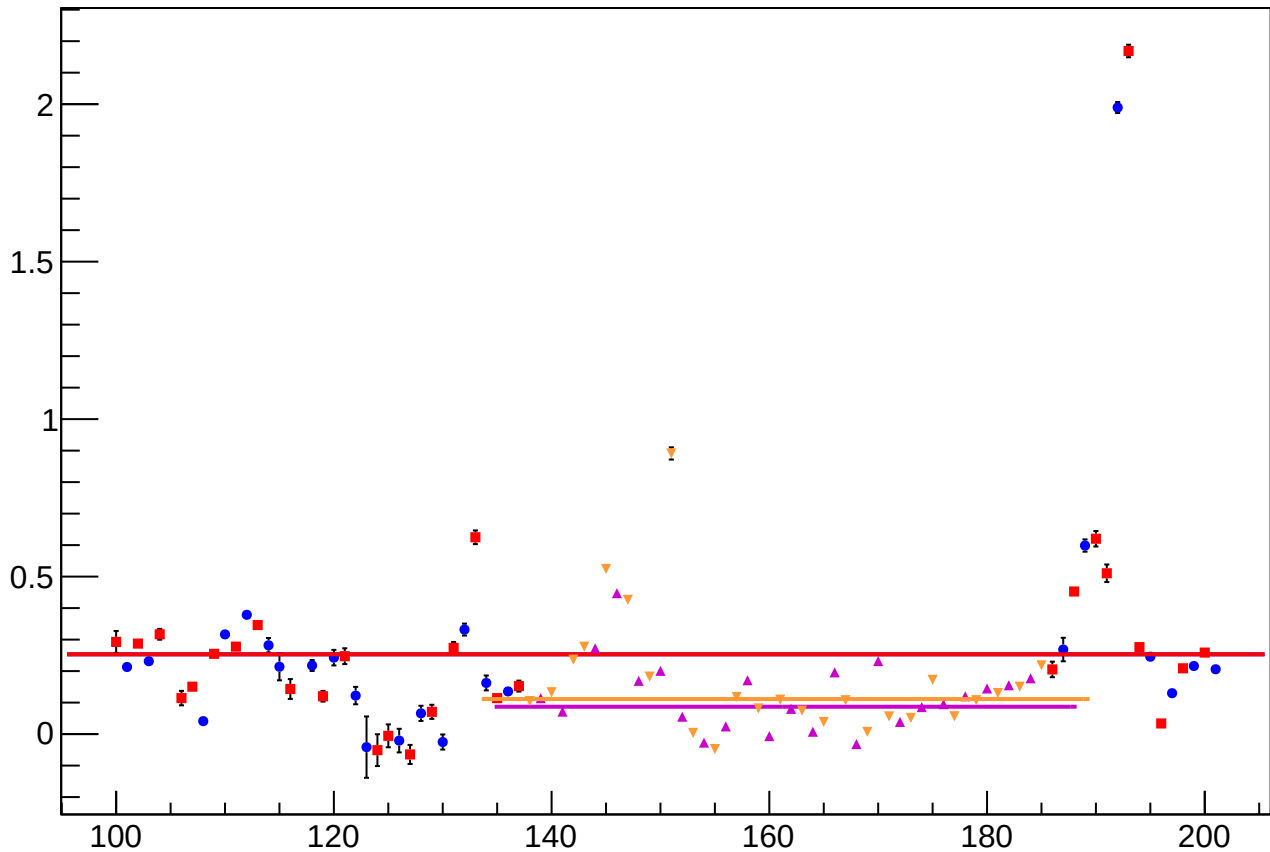
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.106 ± 0.031 χ^2/NDF : 12019.5/48

All: -1.011 ± 0.021 χ^2/NDF : 23352.8/99

- sign -0.926 ± 0.029 χ^2/NDF : 11315.1/50

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.253 ± 0.003 $\chi^2/\text{NDF}: 11288.3/23$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4474.5/24$

Right Out: 0.253 ± 0.003 $\chi^2/\text{NDF}: 11730.8/27$

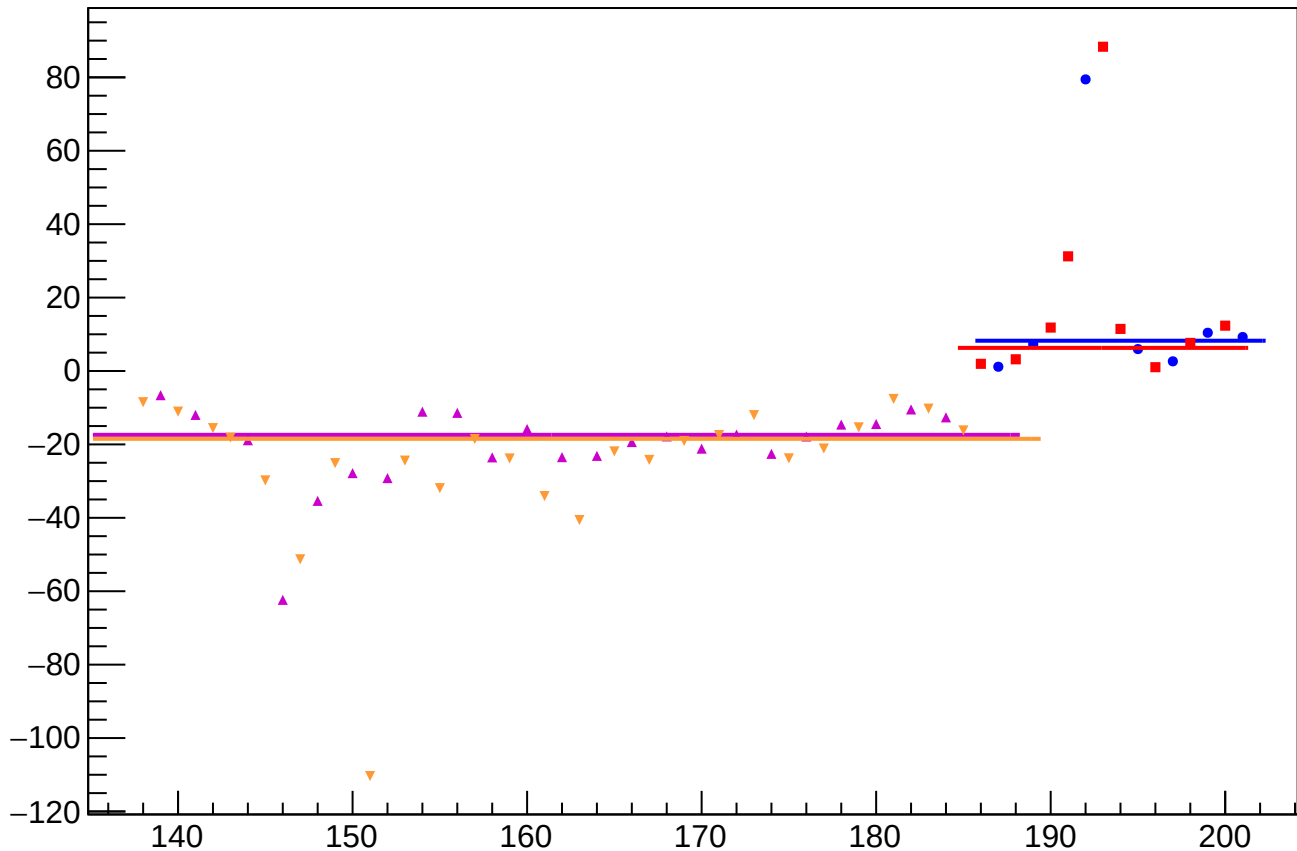
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3598.5/22$

+ sign 0.148 ± 0.001 $\chi^2/\text{NDF}: 17791.3/48$

All: 0.137 ± 0.001 $\chi^2/\text{NDF}: 36272.5/99$

- sign 0.128 ± 0.001 $\chi^2/\text{NDF}: 18370.5/50$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 8.249 ± 0.084 $\chi^2/\text{NDF}: 24278.3/6$

Left Out: -18.479 ± 0.040 $\chi^2/\text{NDF}: 87883.4/24$

Right Out: 6.298 ± 0.071 $\chi^2/\text{NDF}: 25520.3/8$

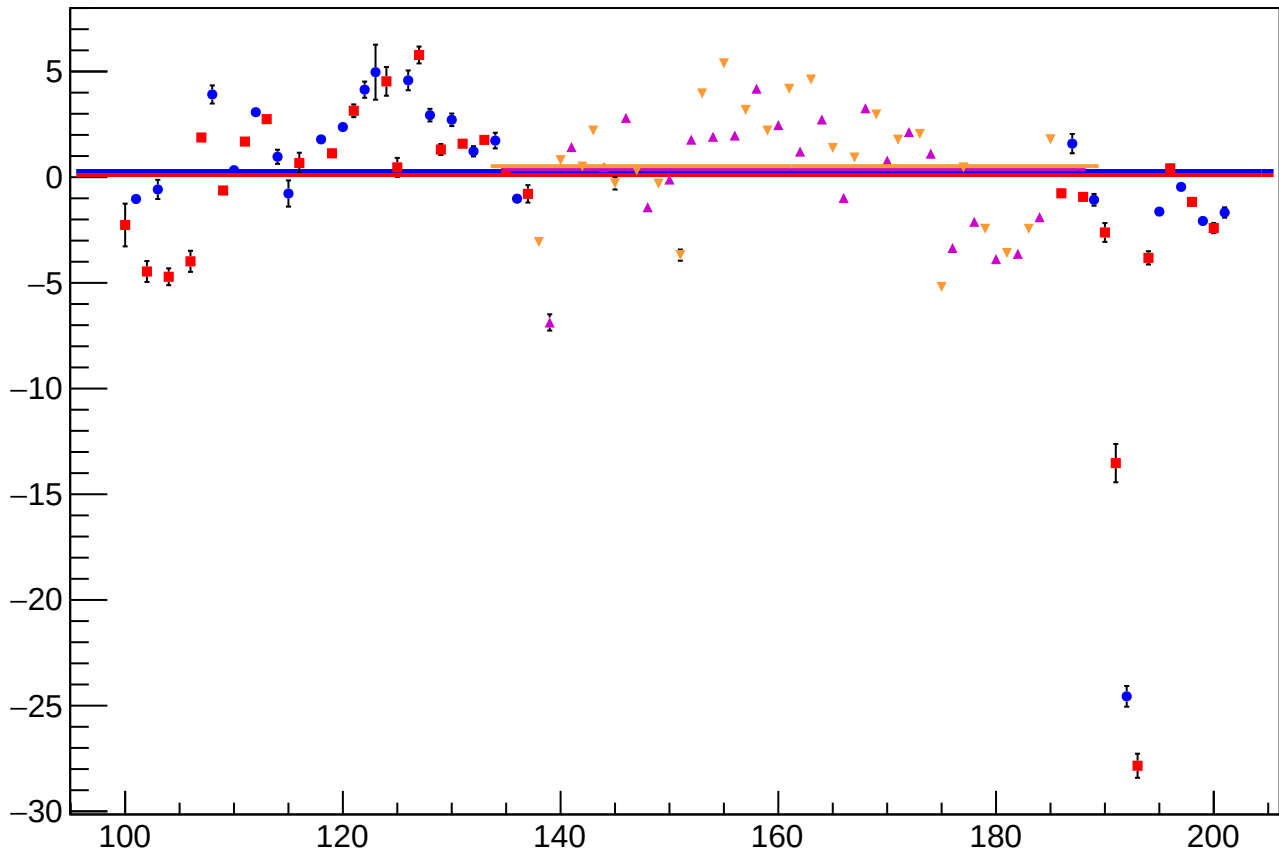
Left In: -17.393 ± 0.039 $\chi^2/\text{NDF}: 43178.9/22$

+ sign -13.632 ± 0.036 $\chi^2/\text{NDF}: 194359.6/31$

All: -12.699 ± 0.025 $\chi^2/\text{NDF}: 350736.7/63$

- sign -11.858 ± 0.034 $\chi^2/\text{NDF}: 155094.2/31$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.292 ± 0.052 $\chi^2/\text{NDF}: 3793.3/23$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.103 ± 0.049 $\chi^2/\text{NDF}: 4204.5/27$

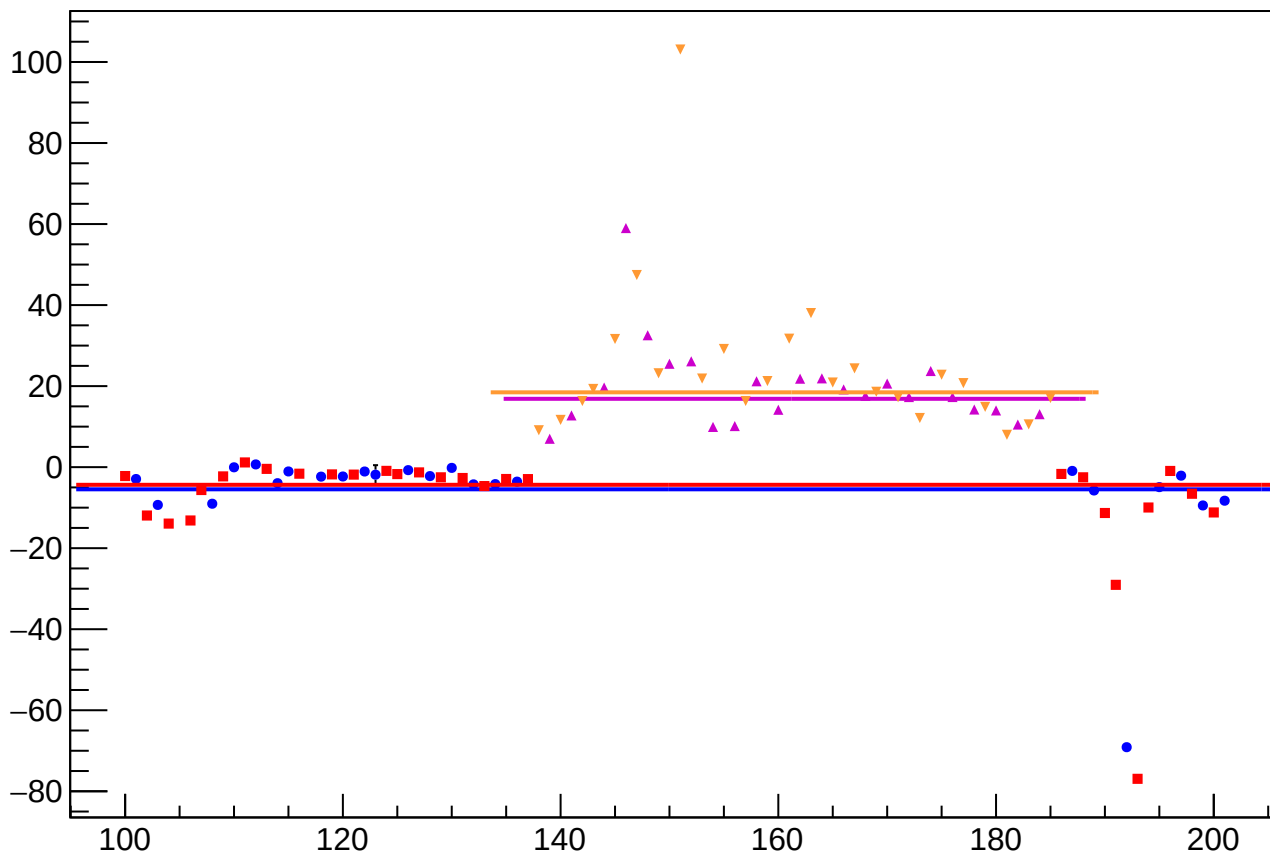
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.456 ± 0.028 $\chi^2/\text{NDF}: 10862.1/48$

All: 0.370 ± 0.019 $\chi^2/\text{NDF}: 21323.6/99$

- sign 0.293 ± 0.026 $\chi^2/\text{NDF}: 10443.4/50$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.472 ± 0.061 χ^2/NDF : 26424.1/23

Left Out: 18.467 ± 0.040 χ^2/NDF : 77226.7/24

Right Out: -4.357 ± 0.051 χ^2/NDF : 27548.6/27

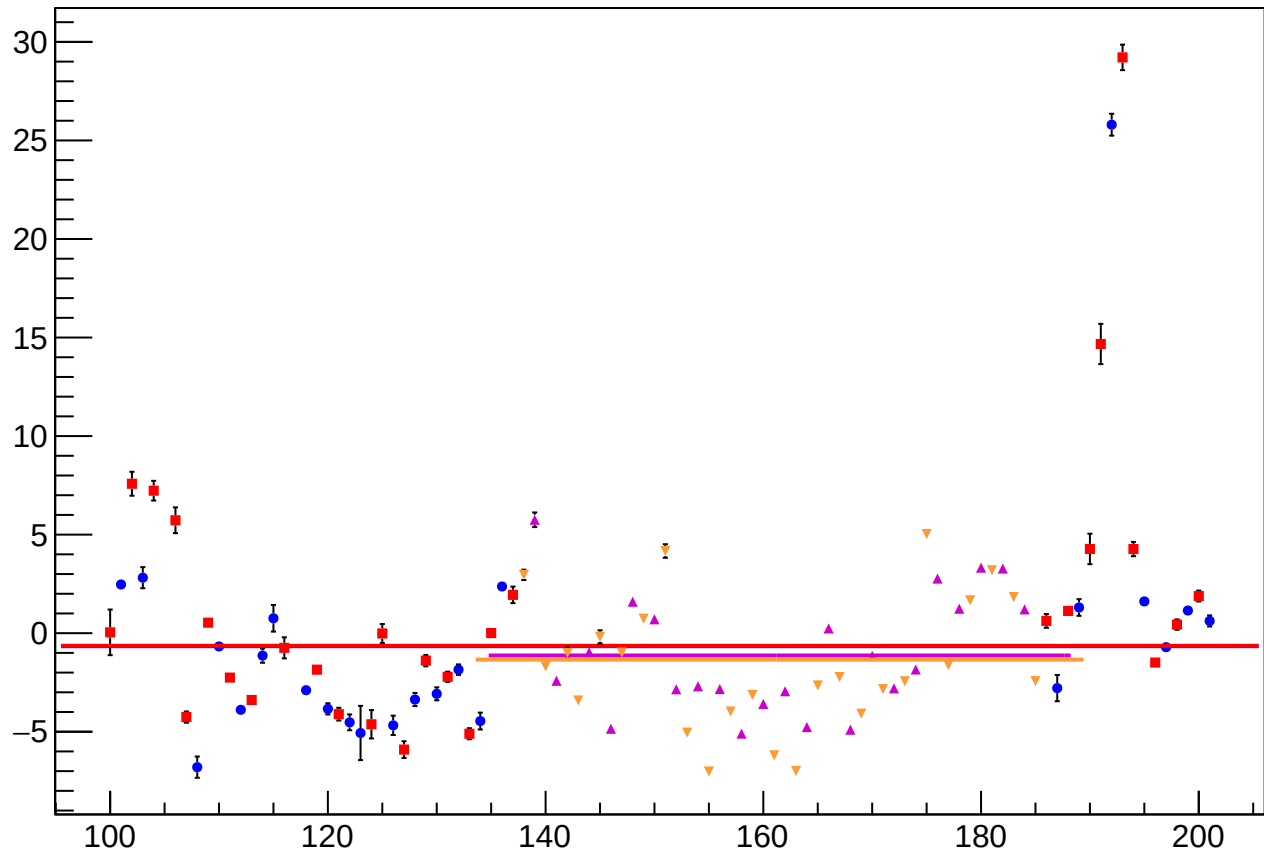
Left In: 16.867 ± 0.039 χ^2/NDF : 39779.0/22

+ sign 11.231 ± 0.033 χ^2/NDF : 212543.3/48

All: 10.076 ± 0.023 χ^2/NDF : 392999.3/99

- sign 9.095 ± 0.031 χ^2/NDF : 178233.3/50

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.660 ± 0.061 $\chi^2/\text{NDF}: 3877.3/23$

Left Out: -1.340 ± 0.037 $\chi^2/\text{NDF}: 7907.4/24$

Right Out: -0.642 ± 0.057 $\chi^2/\text{NDF}: 4433.9/27$

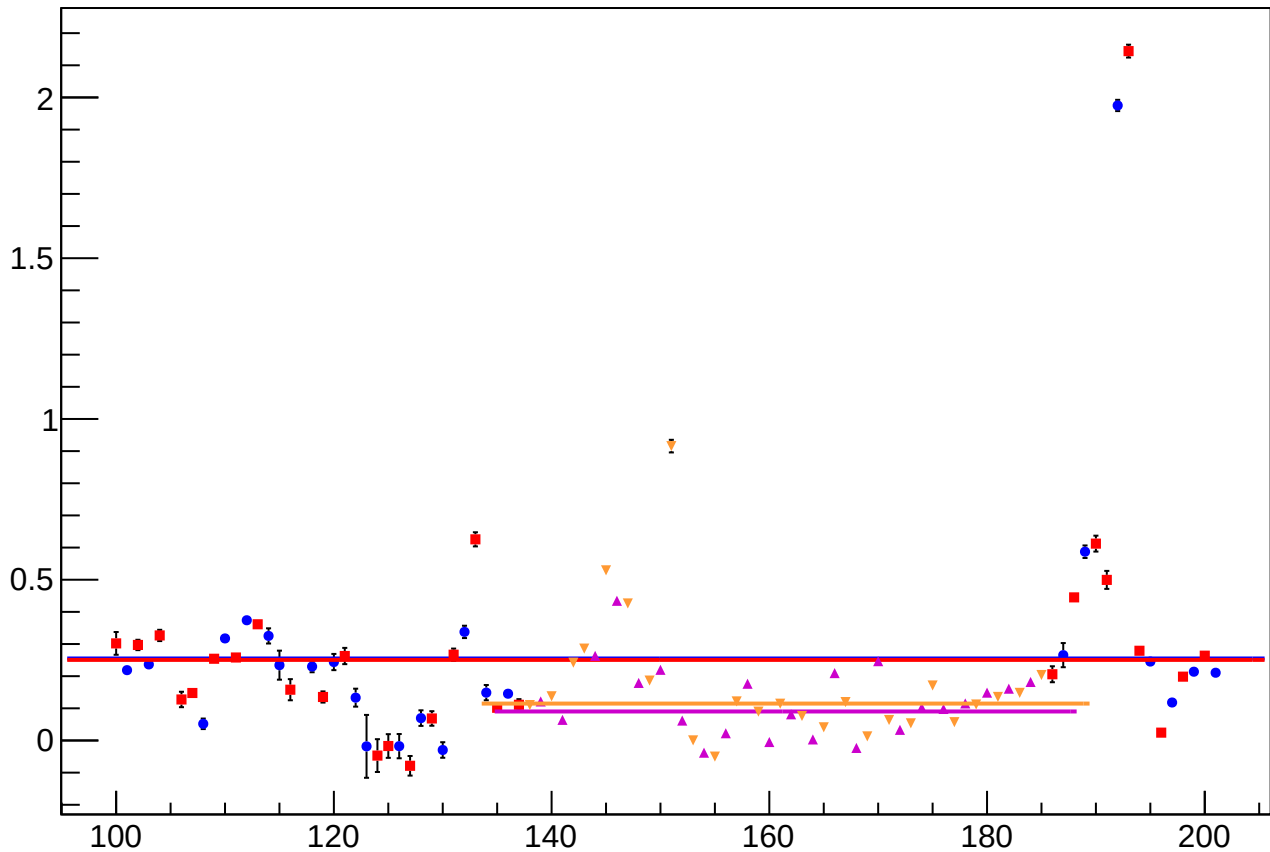
Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

+ sign -1.161 ± 0.031 $\chi^2/\text{NDF}: 11875.4/48$

All: -1.076 ± 0.022 $\chi^2/\text{NDF}: 23085.5/99$

- sign -0.999 ± 0.030 $\chi^2/\text{NDF}: 11196.0/50$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.255 ± 0.003 χ^2/NDF : 11027.7/23

Left Out: 0.115 ± 0.002 χ^2/NDF : 4431.9/24

Right Out: 0.251 ± 0.003 χ^2/NDF : 11582.7/27

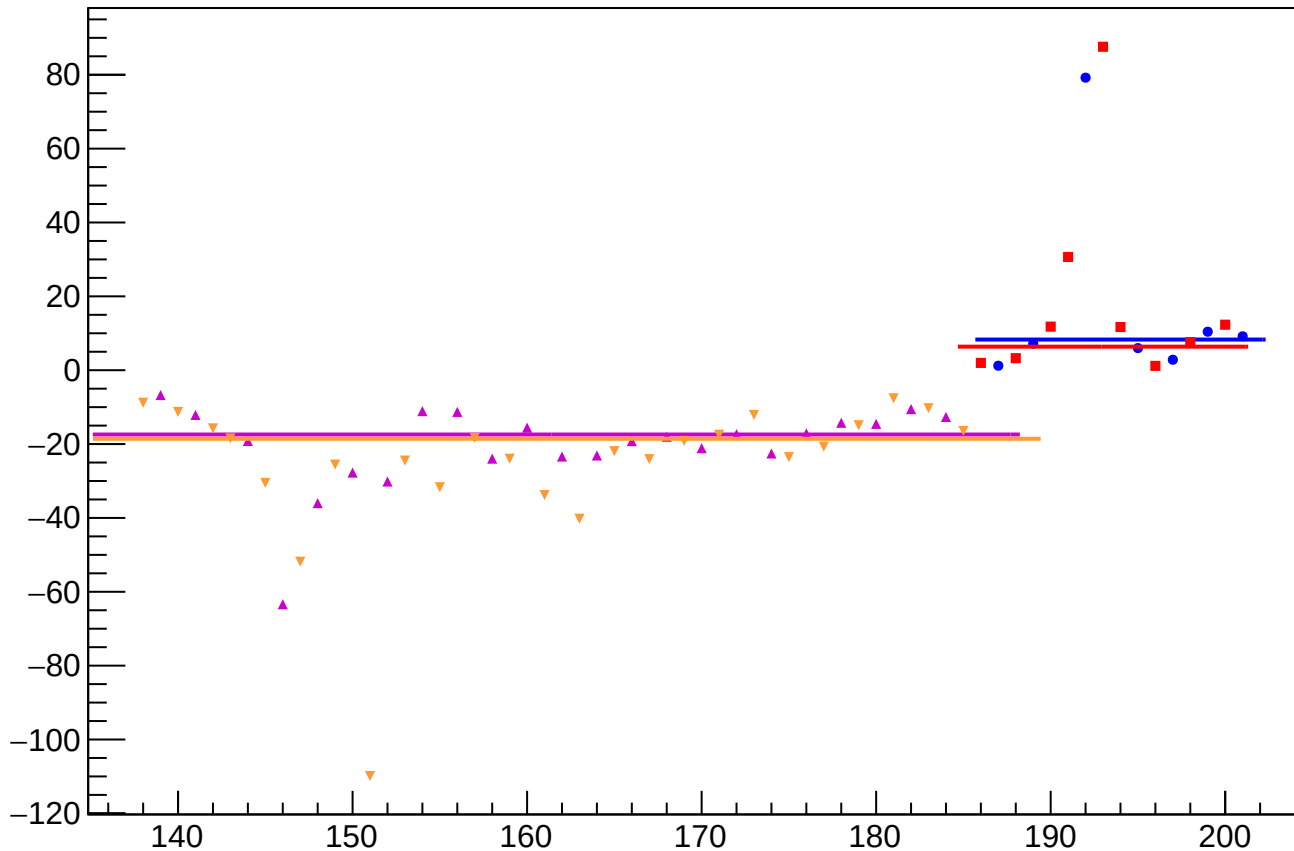
Left In: 0.090 ± 0.002 χ^2/NDF : 3676.5/22

+ sign 0.151 ± 0.001 χ^2/NDF : 17383.2/48

All: 0.140 ± 0.001 χ^2/NDF : 35499.6/99

- sign 0.131 ± 0.001 χ^2/NDF : 17998.9/50

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 8.304 ± 0.085 $\chi^2/\text{NDF}: 23786.5/6$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 6.378 ± 0.071 $\chi^2/\text{NDF}: 24856.9/8$

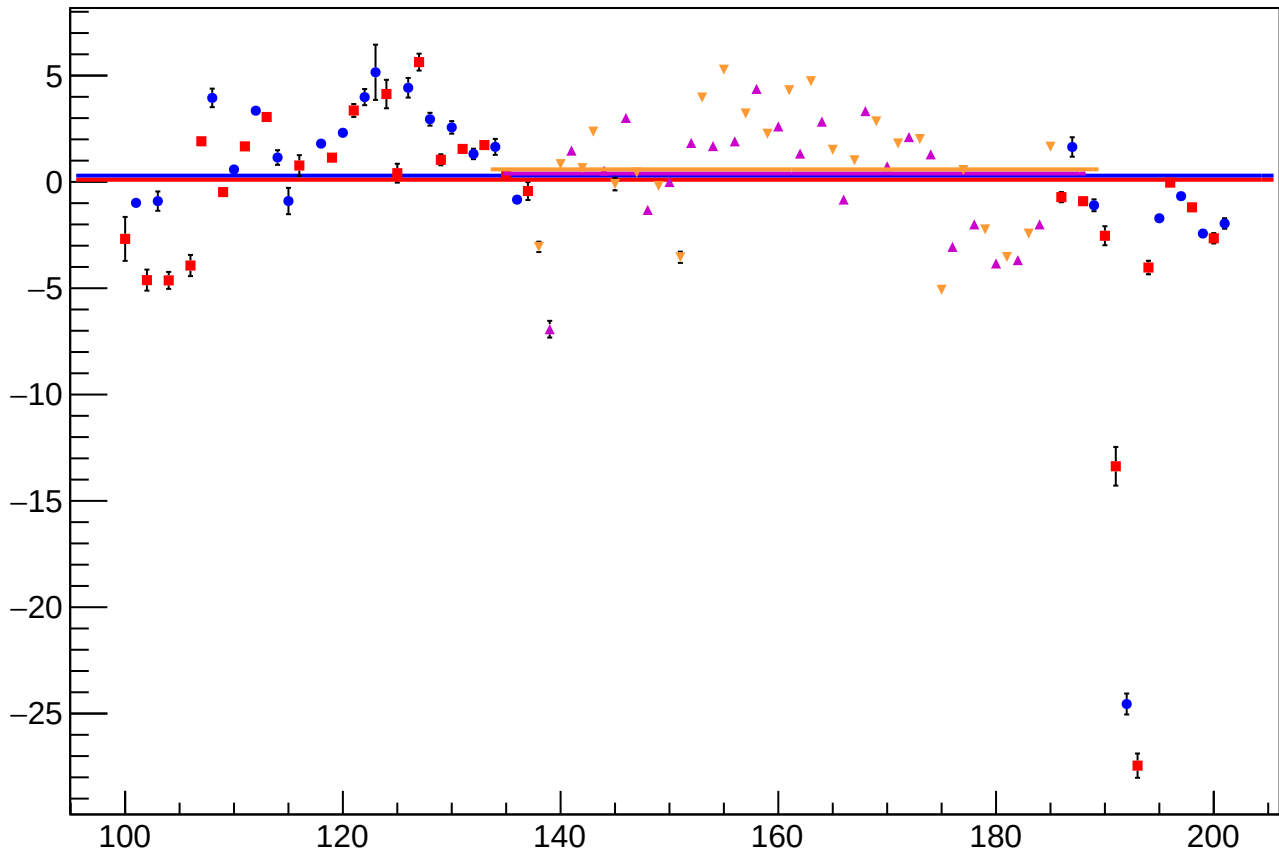
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -13.703 ± 0.036 $\chi^2/\text{NDF}: 191443.7/31$

All: -12.749 ± 0.025 $\chi^2/\text{NDF}: 346218.5/63$

- sign -11.889 ± 0.034 $\chi^2/\text{NDF}: 153459.9/31$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.294 ± 0.053 $\chi^2/\text{NDF}: 3836.1/23$

Left Out: 0.591 ± 0.033 $\chi^2/\text{NDF}: 6796.5/24$

Right Out: 0.101 ± 0.049 $\chi^2/\text{NDF}: 4156.8/27$

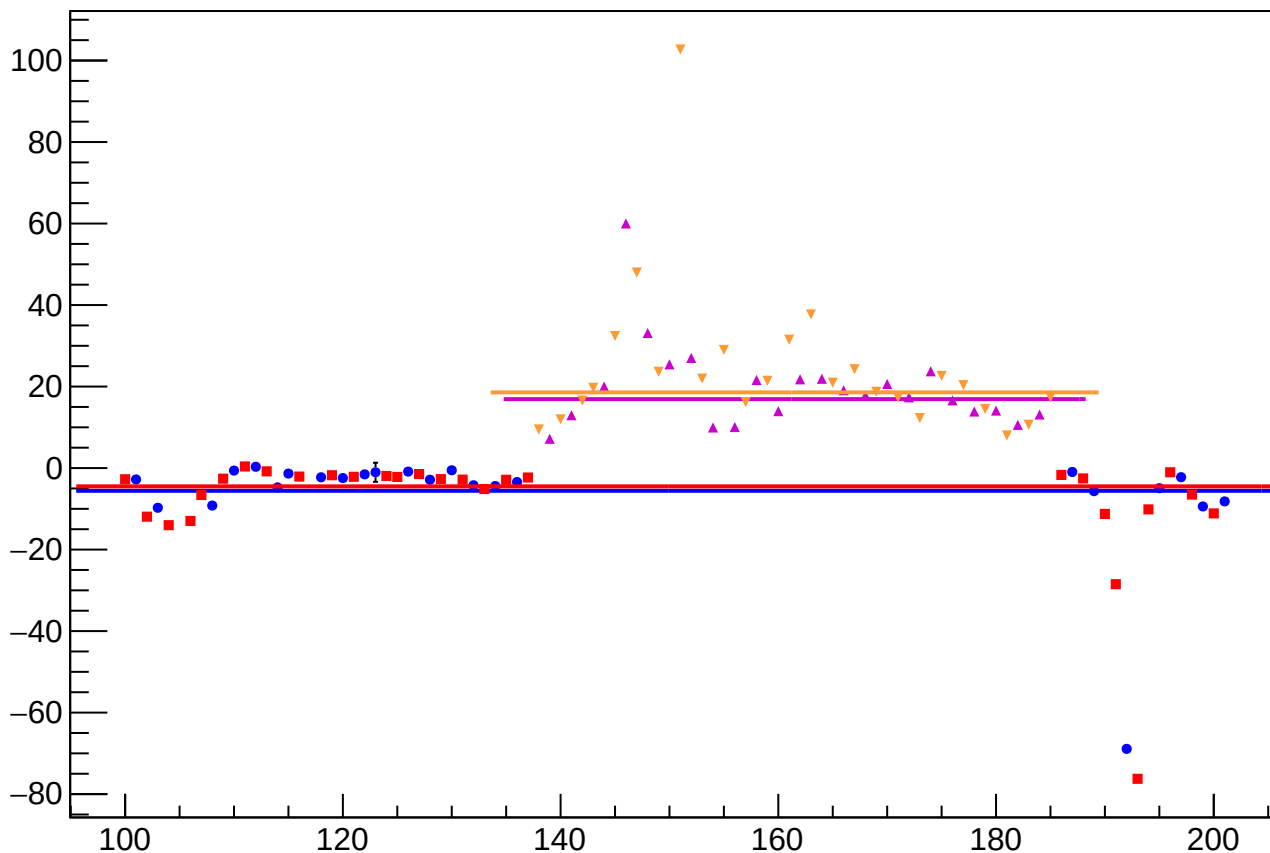
Left In: 0.394 ± 0.032 $\chi^2/\text{NDF}: 6059.8/22$

+ sign 0.507 ± 0.028 $\chi^2/\text{NDF}: 10655.2/48$

All: 0.402 ± 0.019 $\chi^2/\text{NDF}: 20922.8/99$

- sign 0.309 ± 0.027 $\chi^2/\text{NDF}: 10241.5/50$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.570 ± 0.061 $\chi^2/\text{NDF}: 25719.0/23$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.484 ± 0.052 $\chi^2/\text{NDF}: 26661.8/27$

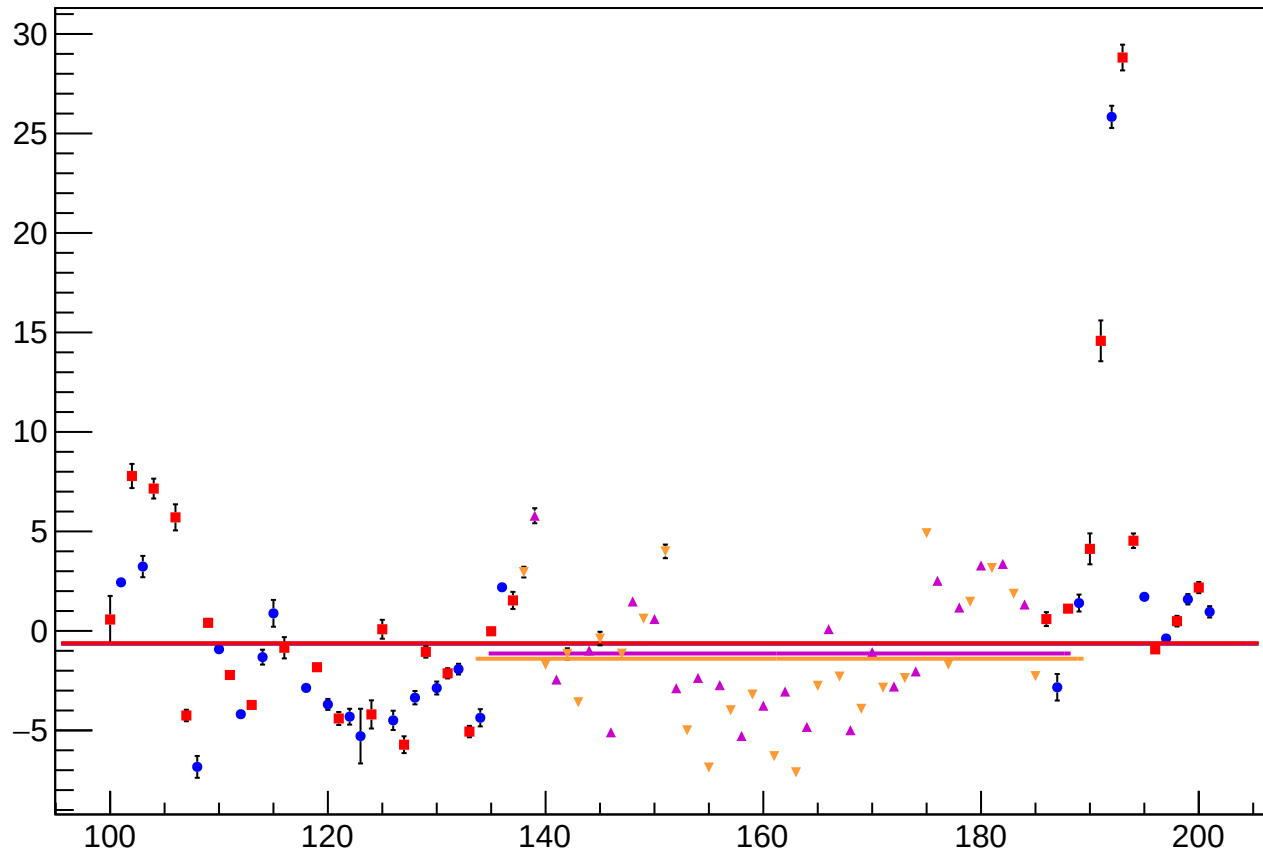
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 11.305 ± 0.034 $\chi^2/\text{NDF}: 210008.2/48$

All: 10.137 ± 0.023 $\chi^2/\text{NDF}: 389000.0/99$

- sign 9.143 ± 0.031 $\chi^2/\text{NDF}: 176762.2/50$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.640 ± 0.062 χ^2/NDF : 3875.3/23

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.621 ± 0.058 χ^2/NDF : 4370.8/27

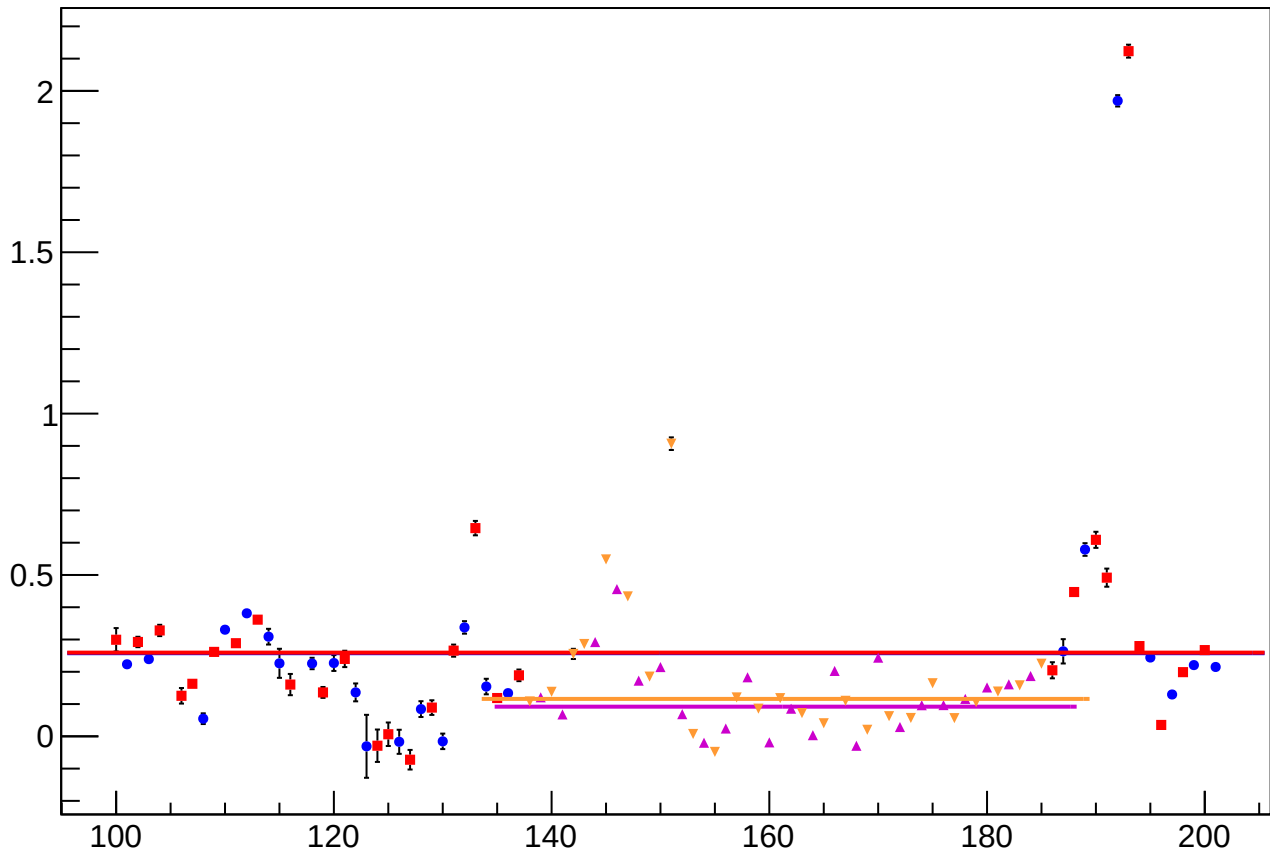
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.198 ± 0.032 χ^2/NDF : 11636.7/48

All: -1.092 ± 0.022 χ^2/NDF : 22683.8/99

- sign -0.996 ± 0.030 χ^2/NDF : 11025.7/50

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.258 ± 0.003 $\chi^2/\text{NDF}: 10783.8/23$

Left Out: 0.116 ± 0.002 $\chi^2/\text{NDF}: 4463.0/24$

Right Out: 0.259 ± 0.003 $\chi^2/\text{NDF}: 11060.6/27$

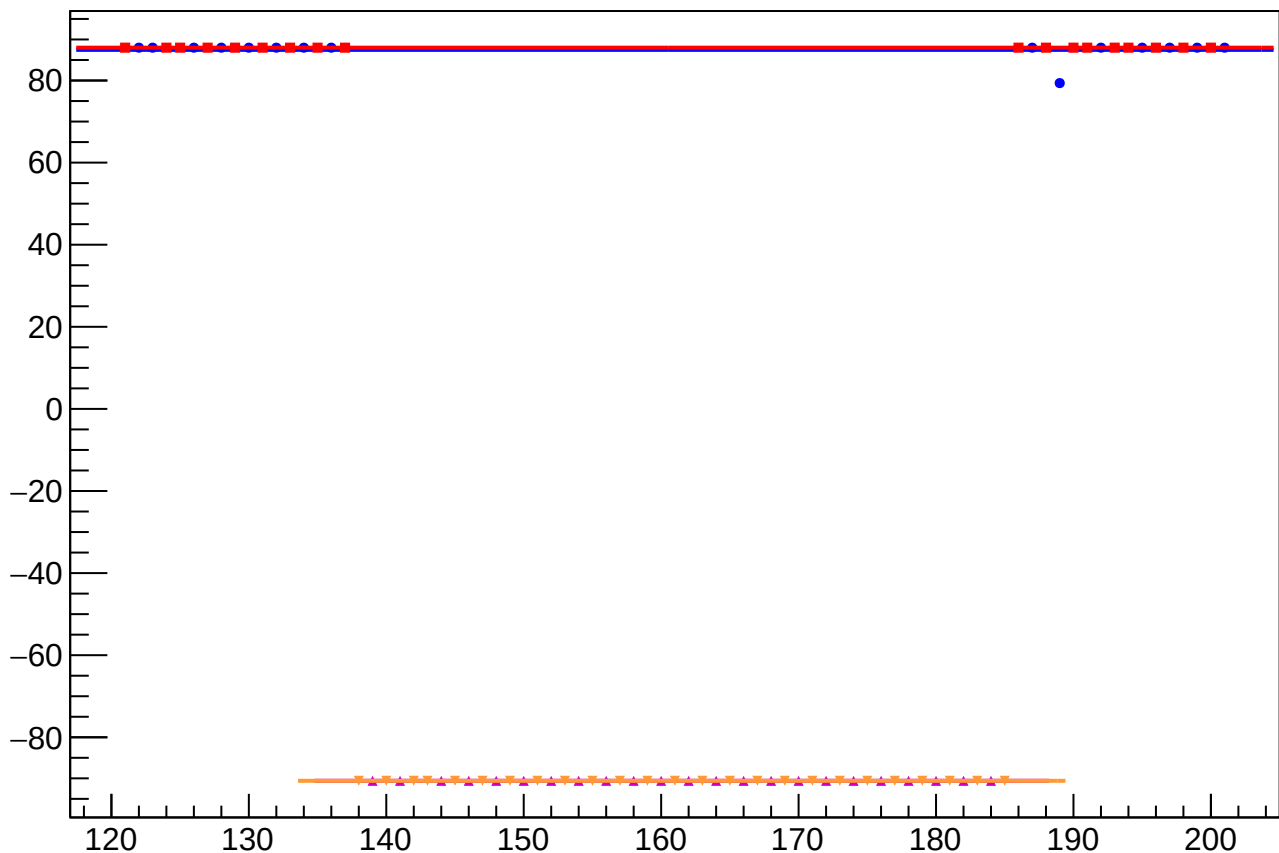
Left In: 0.092 ± 0.002 $\chi^2/\text{NDF}: 3631.4/22$

+ sign 0.153 ± 0.001 $\chi^2/\text{NDF}: 17162.8/48$

All: 0.143 ± 0.001 $\chi^2/\text{NDF}: 34848.4/99$

- sign 0.134 ± 0.001 $\chi^2/\text{NDF}: 17588.3/50$

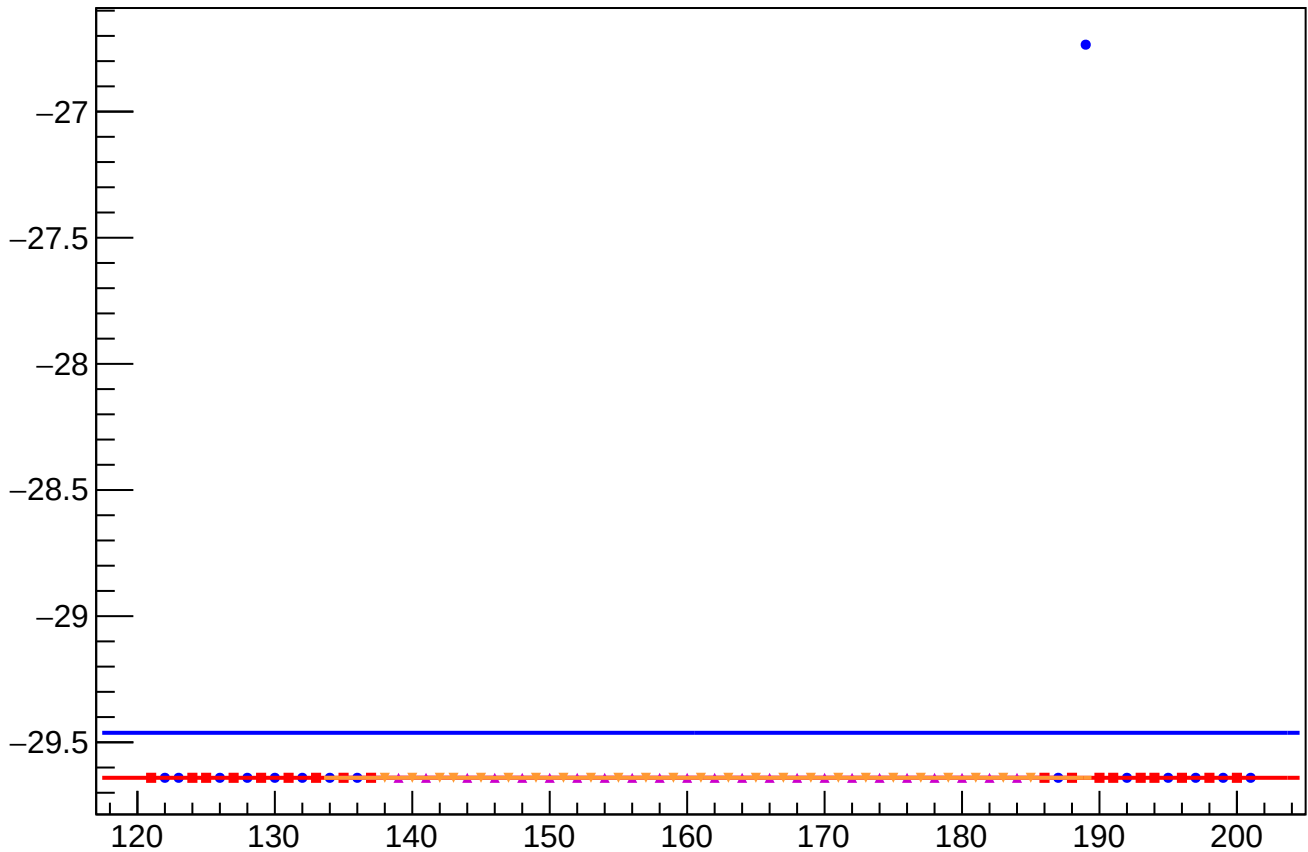
VWienAngle_mean vs Slug



Right In: 87.471+/-0.000 χ^2/NDF : 3563163047937570024656618796351488.0/14
Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24
Right Out: 88.001+/-0.000 χ^2/NDF : 1158577.9/17
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

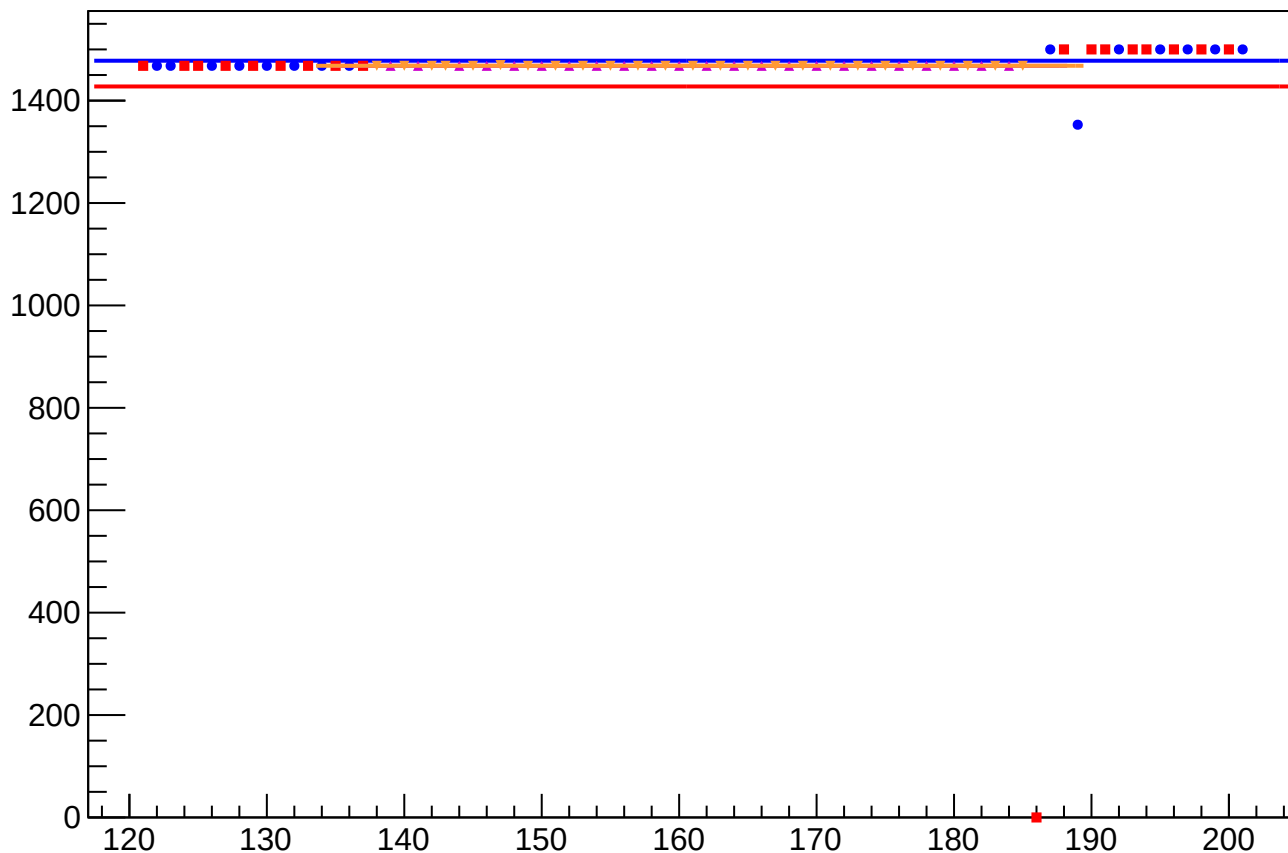
+ sign -36.613+/-0.000 χ^2/NDF : 183651147125935
All: -33.352+/-0.000 χ^2/NDF : 379955390968
- sign -30.088+/-0.000 χ^2/NDF : 1957209447231834

HWienAngle_mean vs Slug



Right In: -29.462 $\pm$ 0.000 χ^2 /NDF: 404241051273333620658862186037248.0/14
Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 654199.2/24 + sign -29.587 $\pm$ 0.000 χ^2 /NDF: 422658960142698
Right Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 1371986.9/17 All: -29.614 $\pm$ 0.000 χ^2 /NDF: 426664116268
Left In: -29.641 $\pm$ 0.000 χ^2 /NDF: 511825.6/22 - sign -29.641 $\pm$ 0.000 χ^2 /NDF: 2314265.5/40

psub_pl_pos_mean vs Slug



Right In: 1477.913+/-0.000 χ^2/NDF : 1045108886946435338230360909453197312.0/14

+ sign 1471.039+/-0.000 χ^2/NDF : 11015875338497

Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24

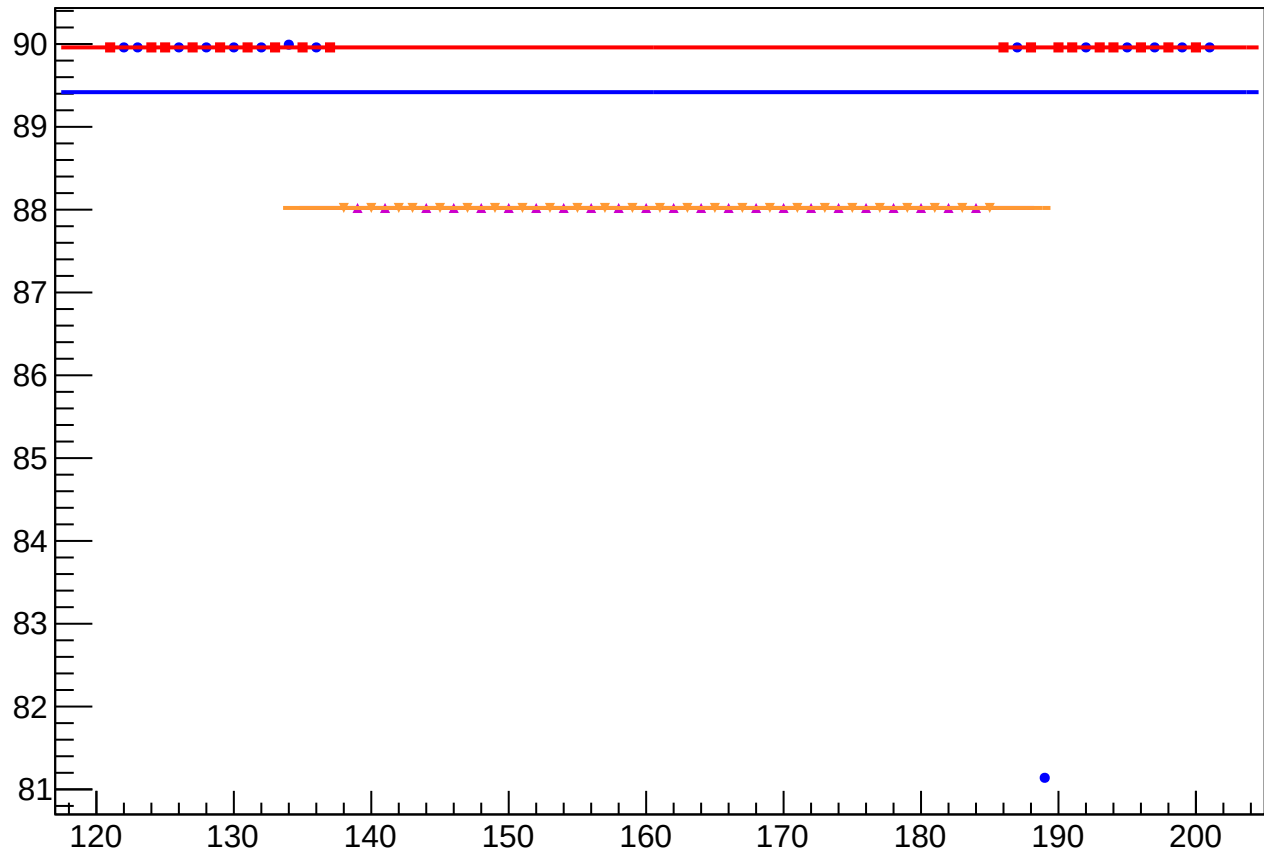
All: 1462.683+/-0.000 χ^2/NDF : 8344862166

Right Out: 1427.640+/-0.000 χ^2/NDF : 80965019604512890408144883450894090240.0/17

- sign 1454.322+/-0.000 χ^2/NDF : 81964179425886

Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

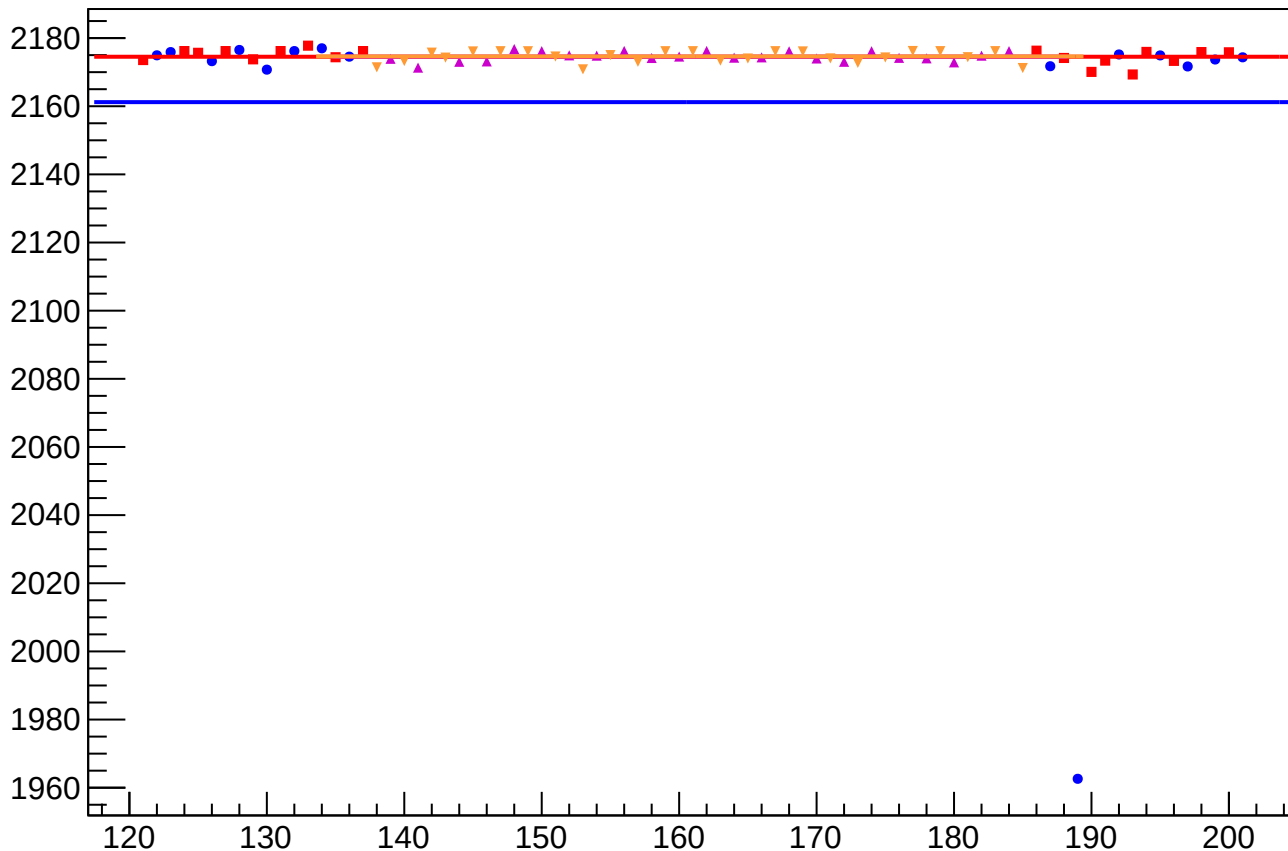
Phi_FG_mean vs Slug



Right In: 89.419+/-0.000 χ^2/NDF : 3724309323880927610464620081315840.0/14
 Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24
 Right Out: 89.959+/-0.000 χ^2/NDF : 2932492.6/17
 Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

+ sign 88.445+/-0.000 χ^2/NDF : 4856286319319110
 All: 88.561+/-0.000 χ^2/NDF : 7236557260298
 - sign 88.678+/-0.000 χ^2/NDF : 2305940041938054

HALLA_p_mean vs Slug



Right In: 2161.203+/-0.000 χ^2/NDF : 2144869473423248925464965959248773120.0/14

Left Out: 2174.622+/-0.000 χ^2/NDF : 5110578135476093110874911595823104.0/24

Right Out: 2174.524+/-0.000 χ^2/NDF : 4381111698596969762802917579948032.0/17

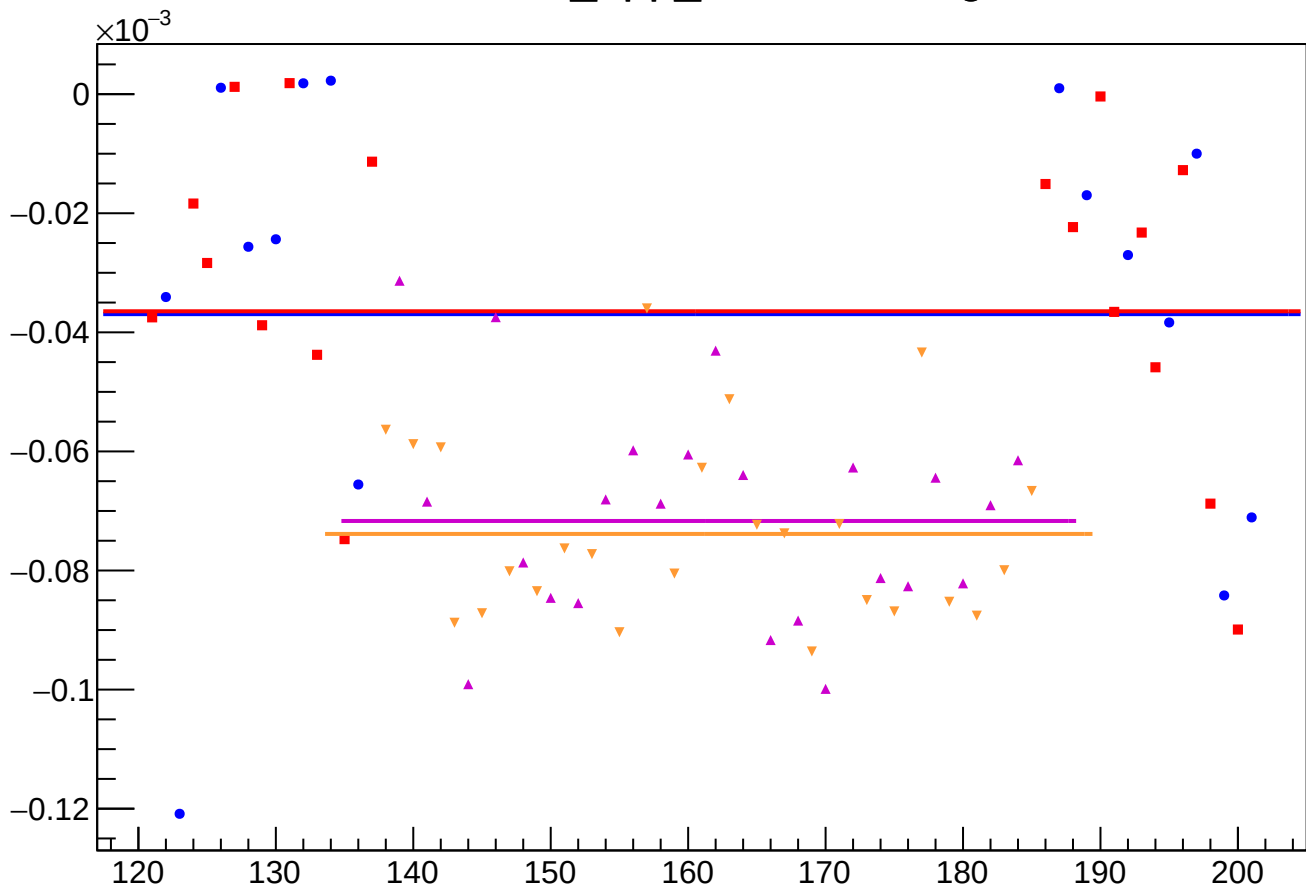
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2170.554+/-0.000 χ^2/NDF : 22542567266120

All: 2172.543+/-0.000 χ^2/NDF : 22837445962

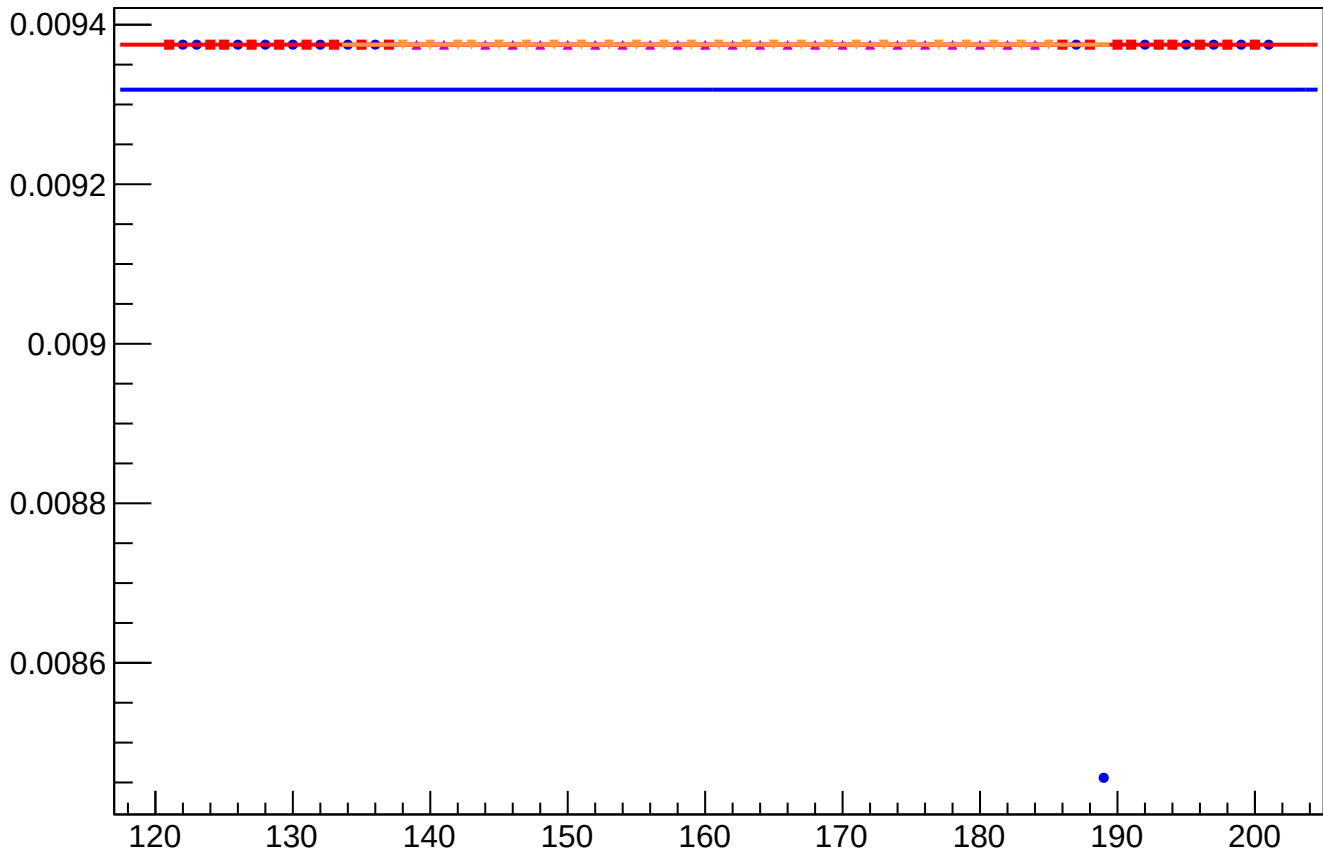
- sign 2174.534+/-0.000 χ^2/NDF : 77819853198523

HALLA_dpp_mean vs Slug



Right In: -0.000 +/- 0.000 χ^2/NDF : 666990770083655124516864.0/14
 Left Out: -0.000 +/- 0.000 χ^2/NDF : 450400934180541069000704.0/24
 Right Out: -0.000 +/- 0.000 χ^2/NDF : 691133608103146051076096.0/17
 Left In: -0.000 +/- 0.000 χ^2/NDF : 562166279020739416817664.0/22

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40439517413462641838391296.0/14

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/17

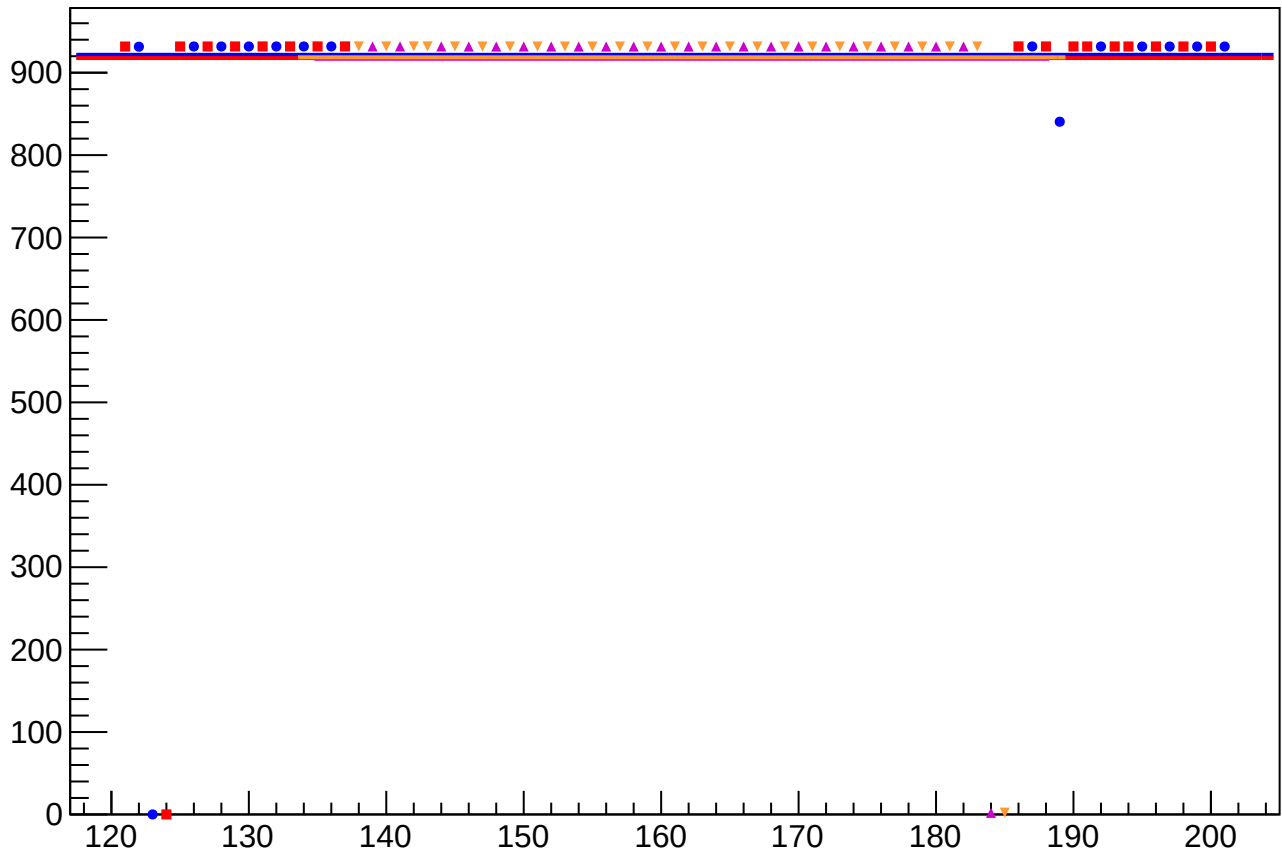
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42282010510332050

All: 0.009+/-0.000 χ^2/NDF : 4268267882540

- sign 0.009+/-0.000 χ^2/NDF : 0.2/40

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 921.698+/-0.000 χ^2/NDF : 3813170059097610946940299109933776896.0/14

+ sign 919.570+/-0.000 χ^2/NDF : 268220674703993

Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24

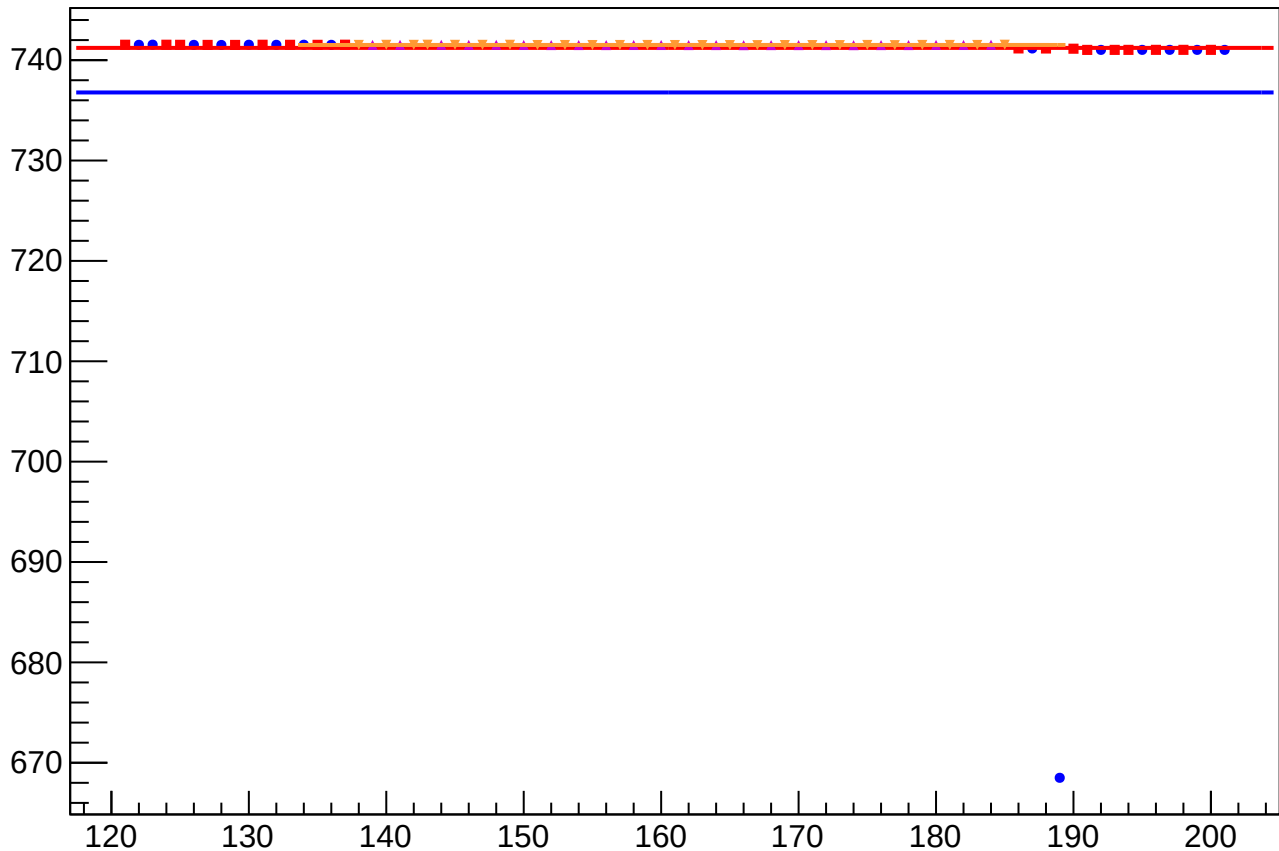
All: 918.376+/-0.000 χ^2/NDF : 63469678996

Right Out: 917.748+/-0.000 χ^2/NDF : 11971439823183225945788962182384320512.0/17

- sign 917.180+/-0.000 χ^2/NDF : 366397863544701

Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

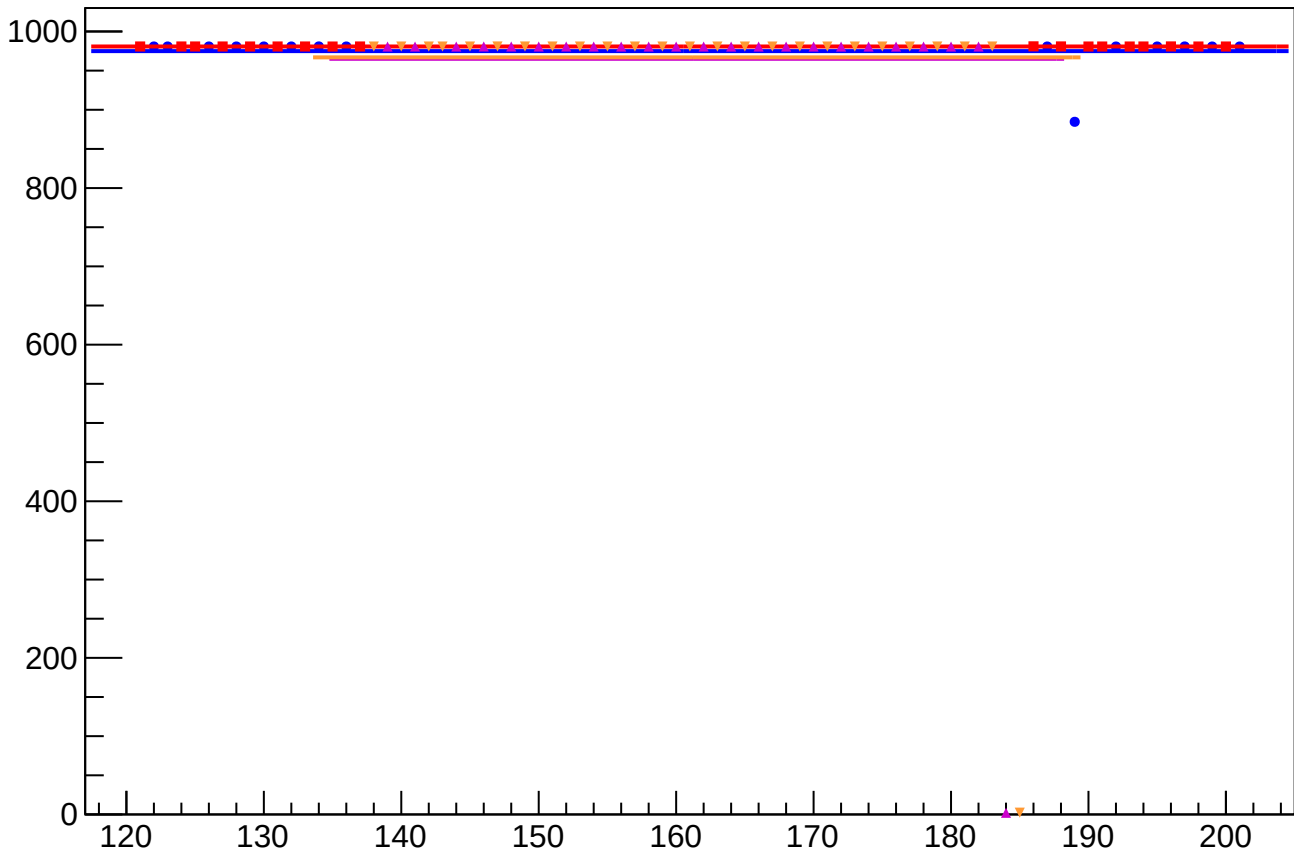
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 736.782 $\pm$ 0.000 χ^2 /NDF: 253374980658742752844833628826370048.0/14
Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 244782737401533731539808944128.0/24
Right Out: 741.222 $\pm$ 0.000 χ^2 /NDF: 47346207216501599857247669714944.0/17
Left In: 741.512 $\pm$ 0.000 χ^2 /NDF: 215375309108434607405602439168.0/22

+ sign 740.079 $\pm$ 0.000 χ^2 /NDF: 266334761115036
All: 740.746 $\pm$ 0.000 χ^2 /NDF: 26887702530
- sign 741.414 $\pm$ 0.000 χ^2 /NDF: 991856265948773

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 974.914+/-0.000 χ^2/NDF : 442790431841413357733910720368607232.0/14

Left Out: 966.936+/-0.000 χ^2/NDF :25485578616543458629432284645183979520.0/24

Right Out: 980.831+/-0.000 χ^2/NDF : 2905315201279300639803742093312.0/17

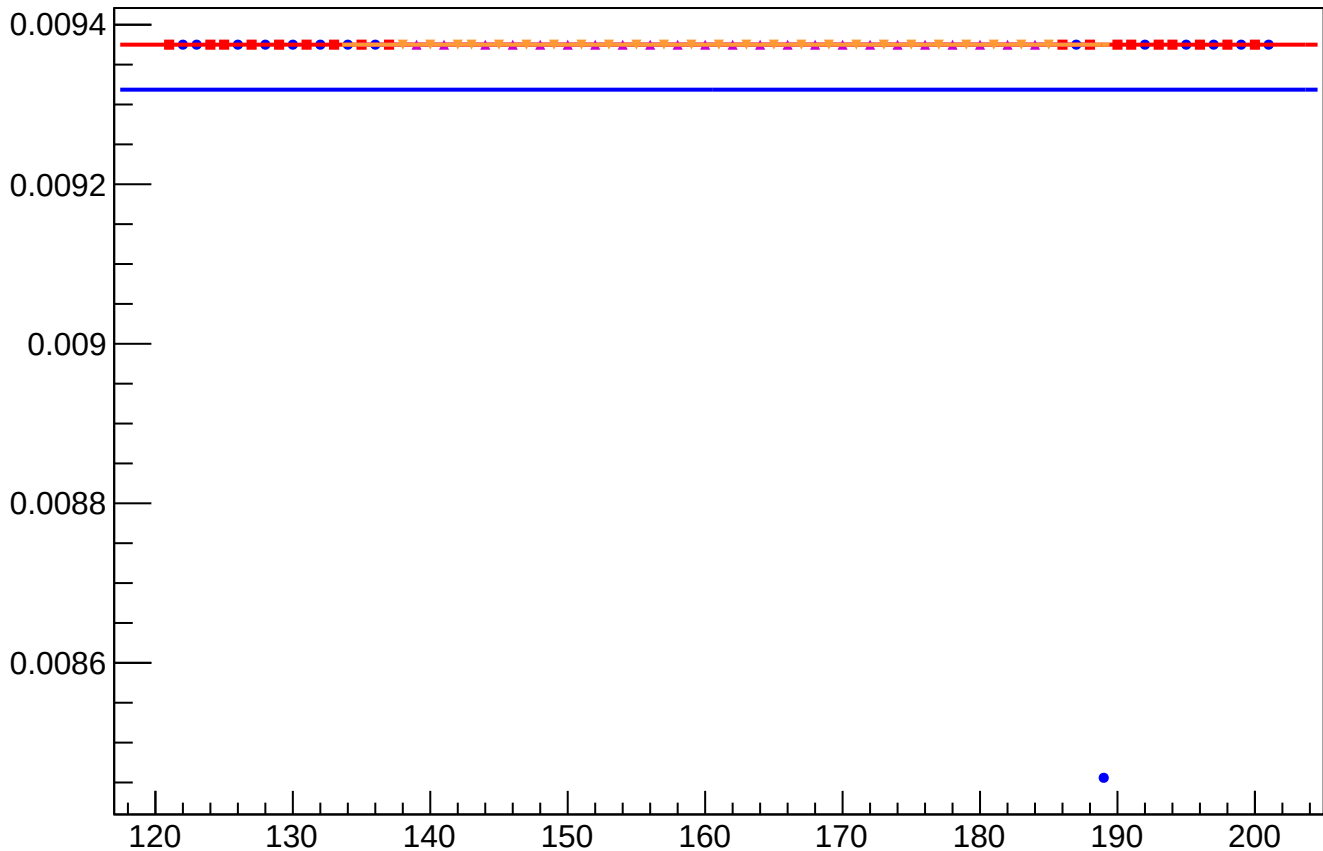
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

$$+ \text{sign } 969.355 \pm 0.000 \quad \chi^2/\text{NDF: } 259652215914118$$

All: 969.893+/-0.000 χ^2/NDF : 534489405684

- sign 970.431+/-0.000 χ^2/NDF : 274821305118890

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40439517413462641838391296.0/14

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/17

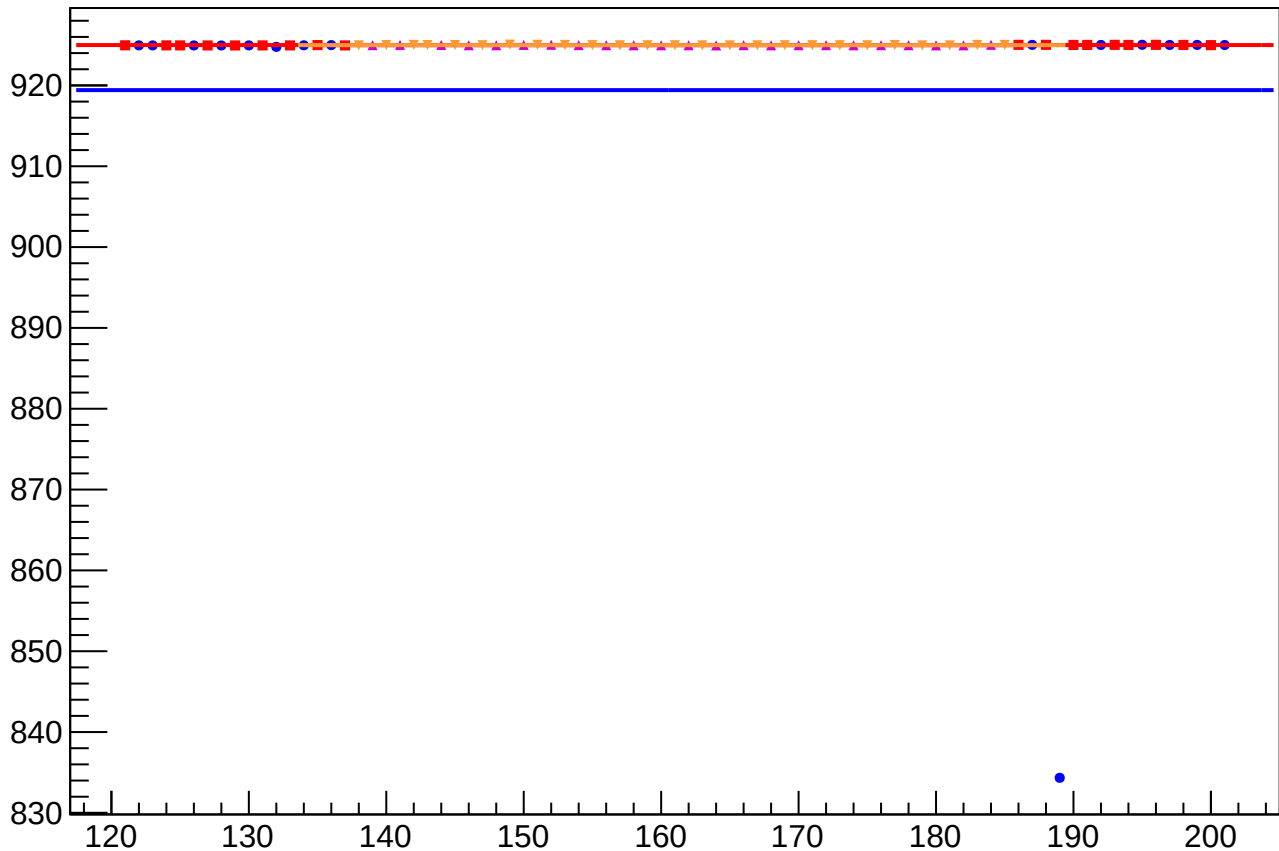
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42282010510332050

All: 0.009+/-0.000 χ^2/NDF : 4268267882540

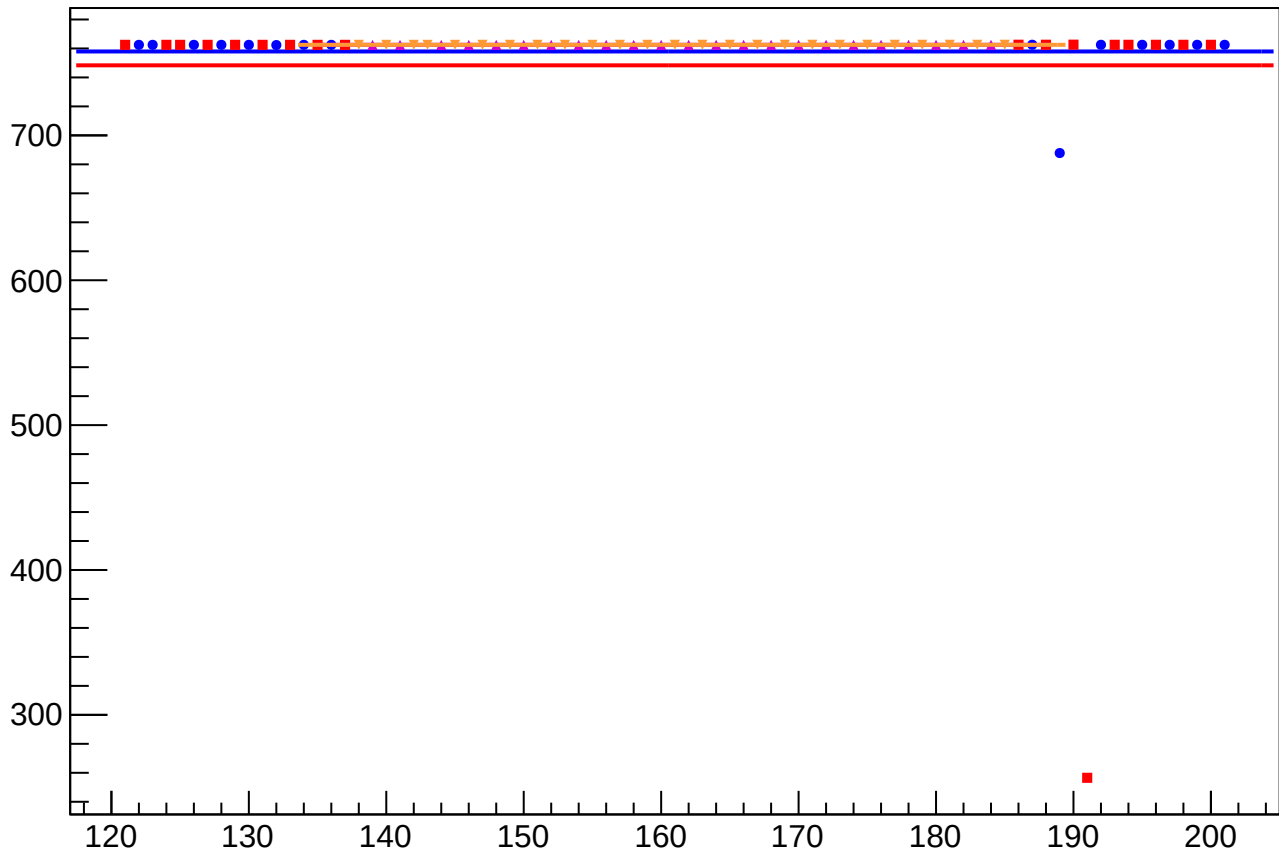
- sign 0.009+/-0.000 χ^2/NDF : 0.2/40

HacR_Q2_HP3458A_IOUT_mean vs Slug



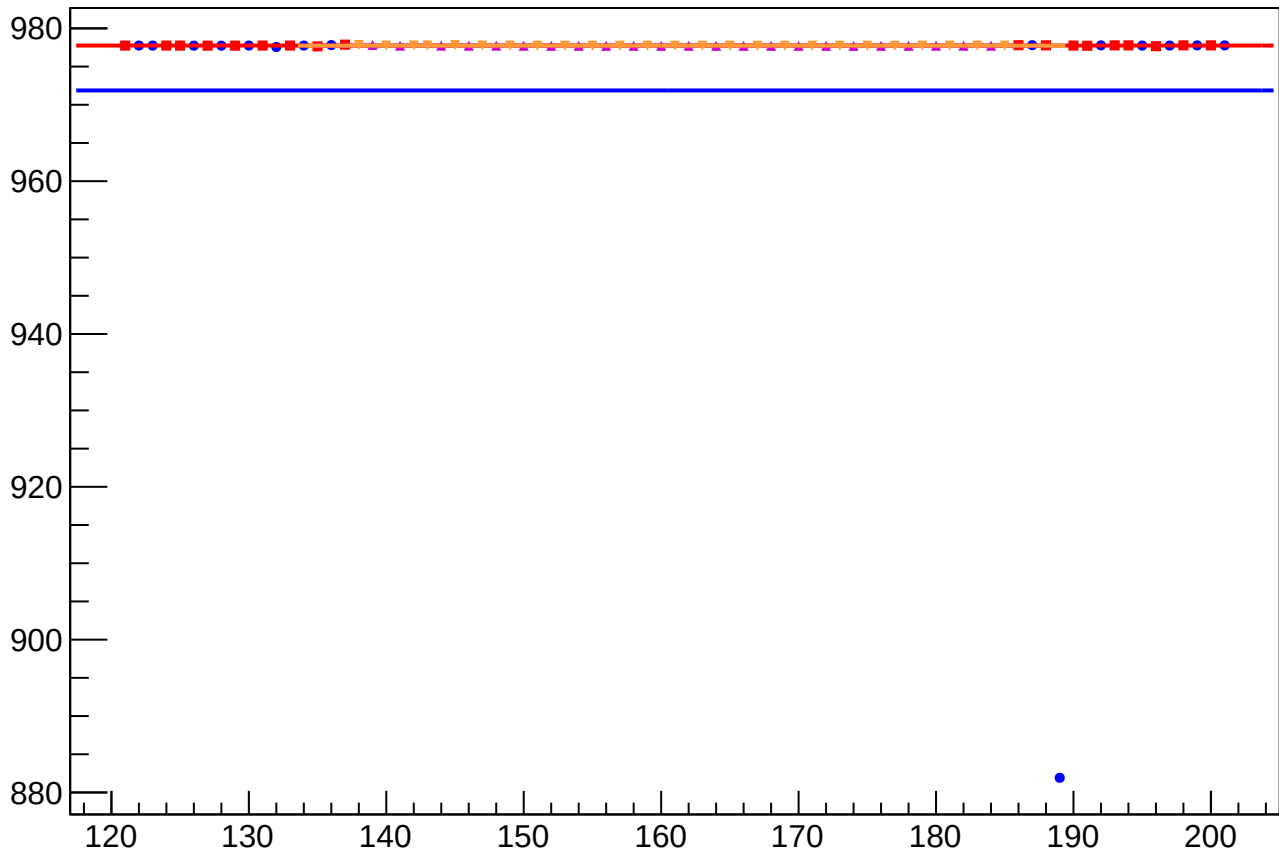
Right In: 919.418+/-0.000 χ^2/NDF : 393282411284344969477065230447017984.0/14
 Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
 Right Out: 924.993+/-0.000 χ^2/NDF : 776362329541842193364916633600.0/17
 Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22
 All: 924.141+/-0.000 χ^2/NDF : 415132514438
 + sign 923.296+/-0.000 χ^2/NDF : 411214622944811
 - sign 924.986+/-0.000 χ^2/NDF : 172482653060350

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 757.926+/-0.000 χ^2/NDF : 267109508372637598183610360661016576.0/14
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 748.353+/-0.000 χ^2/NDF : 6469875895169304867817000286619172864.0/17
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22

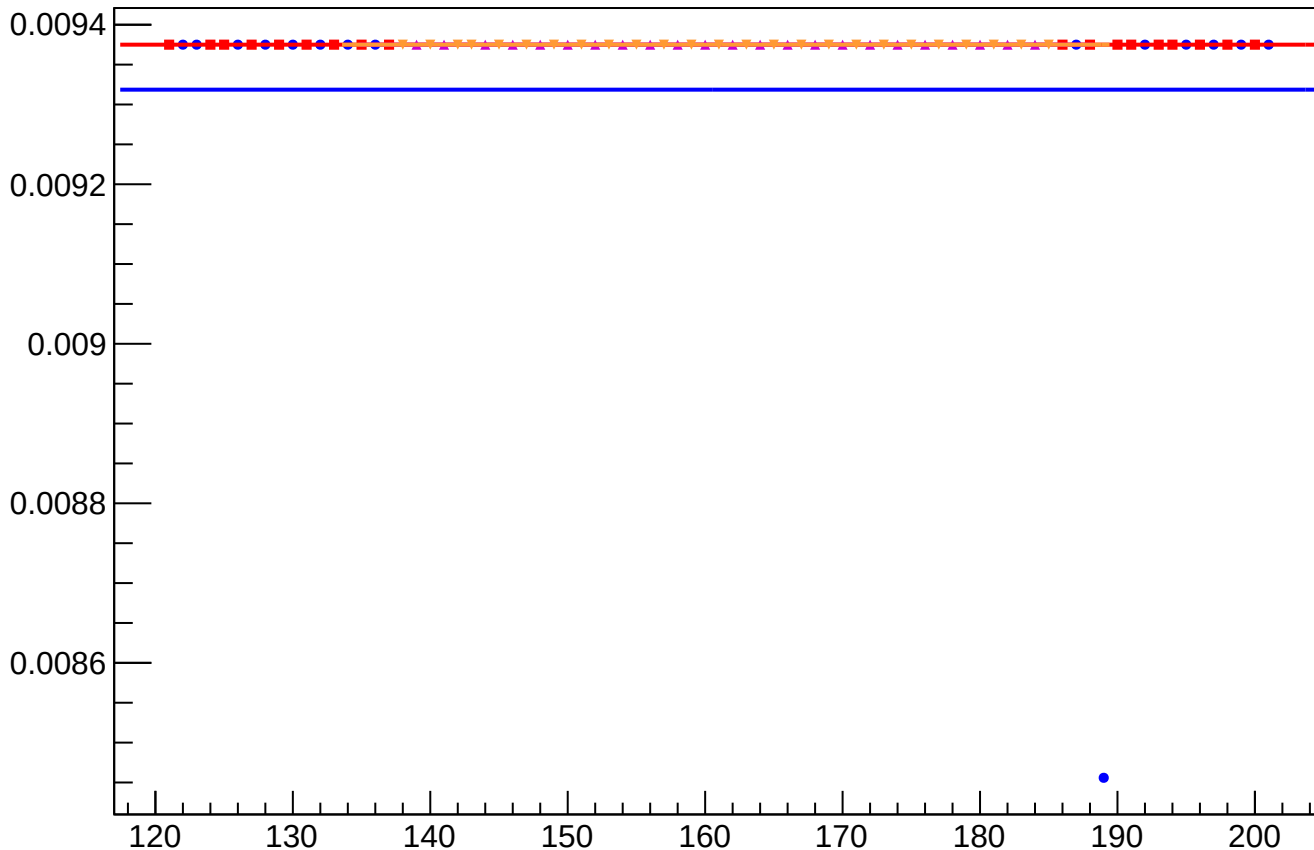
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 971.873+/-0.000 χ^2/NDF : 439656757323967411197803035879276544.0/14
Left Out: 977.738+/-0.000 χ^2/NDF : 1154150409979077132991401558016.0/24
Right Out: 977.751+/-0.000 χ^2/NDF : 1762305474556793661717871591424.0/17
Left In: 977.735+/-0.000 χ^2/NDF : 976503887937607318263199432704.0/22

+ sign 975.960+/-0.000 χ^2/NDF : 459573046983069
All: 976.850+/-0.000 χ^2/NDF : 463919422418
- sign 977.740+/-0.000 χ^2/NDF : 290051381602307

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40439517413462641838391296.0/14

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/17

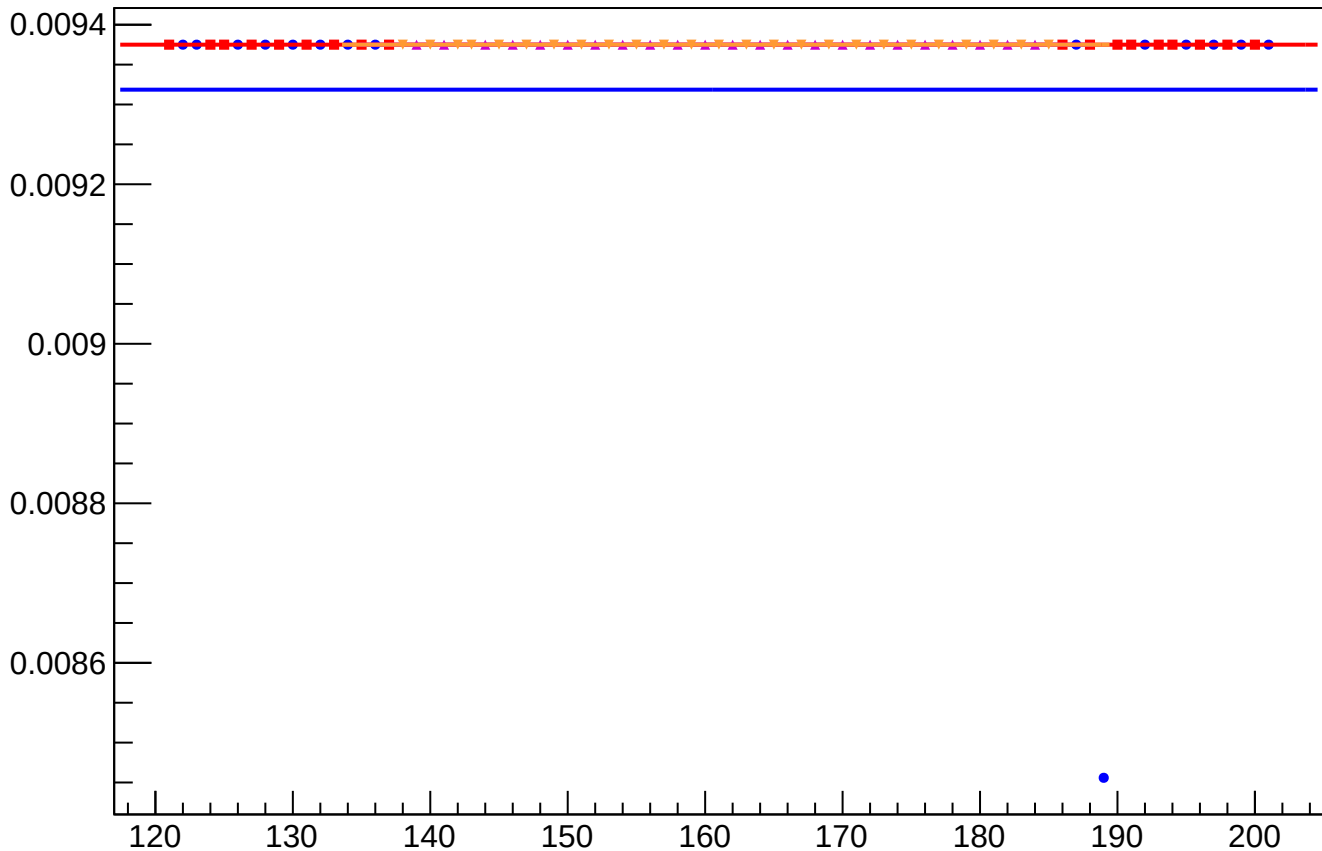
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42282010510332050

All: 0.009+/-0.000 χ^2/NDF : 4268267882540

- sign 0.009+/-0.000 χ^2/NDF : 0.2/40

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40439517413462641838391296.0/14

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/17

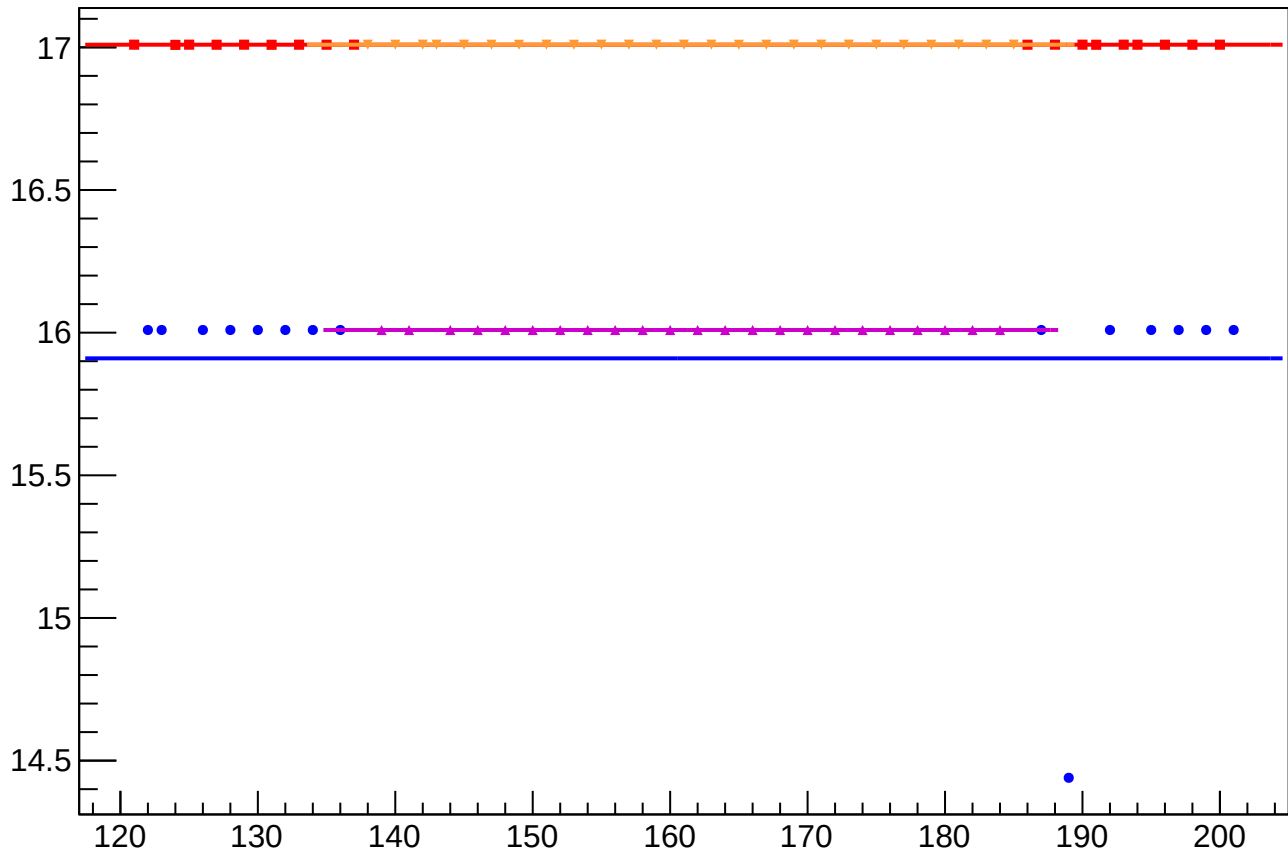
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42282010510332050

All: 0.009+/-0.000 χ^2/NDF : 4268267882540

- sign 0.009+/-0.000 χ^2/NDF : 0.2/40

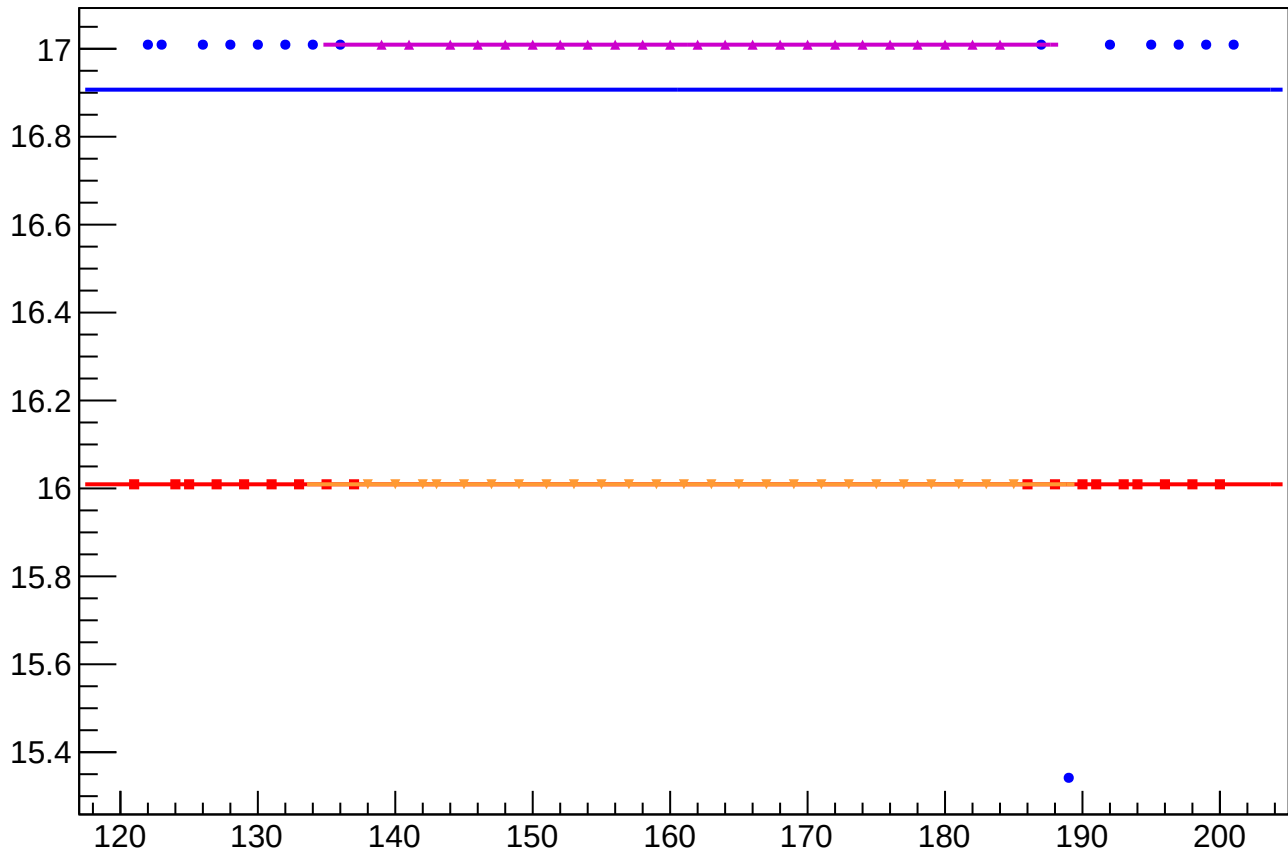
IGL1I00DI24_24M_mean vs Slug



Right In: 15.910+/-0.000 χ^2/NDF : 117677667926883955735463351812096.0/14
 Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24
 Right Out: 17.009+/-0.000 χ^2/NDF : 13521441142497224035401728.0/17
 Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

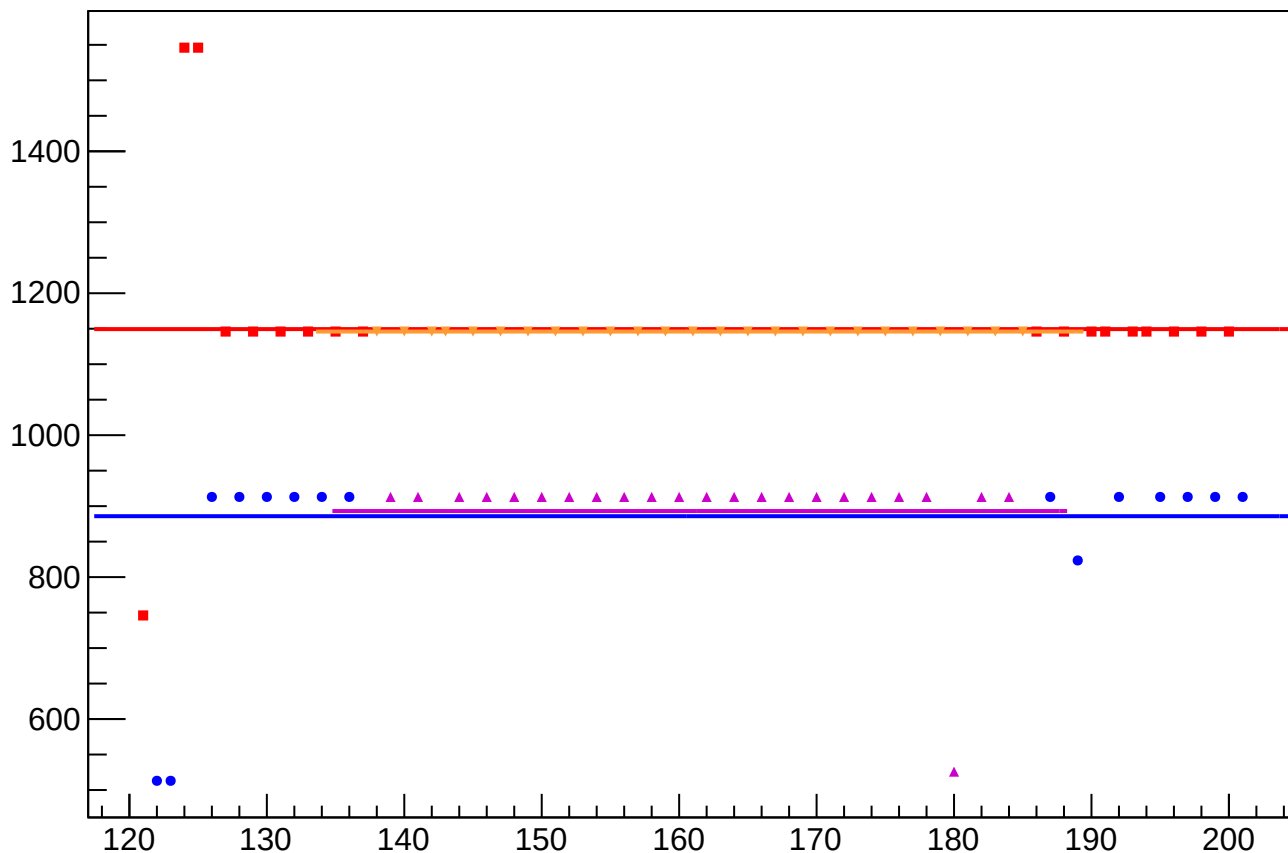
+ sign 16.666+/-0.000 χ^2/NDF : 7869904116395582
 All: 16.513+/-0.000 χ^2/NDF : 1499080462527
 - sign 16.361+/-0.000 χ^2/NDF : 5913647196175184

IGL1I00OD16_16_mean vs Slug



Right In: 16.907+/-0.000 χ^2/NDF : 133119023592343308984050444664832.0/14
 Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24 + sign 16.284+/-0.000 χ^2/NDF : 5979275665050650.0/14
 Right Out: 16.009+/-0.000 χ^2/NDF : 213951.7/17 All: 16.474+/-0.000 χ^2/NDF : 1402599728952.0/14
 Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22 - sign 16.665+/-0.000 χ^2/NDF : 6083304381272961.0/14

RTPAPOSUCNT_mean vs Slug



Right In: 885.840+/-0.000 χ^2/NDF : 6995959155520191606718079797324414976.0/14

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

Right Out: 1149.458+/-0.000 χ^2/NDF : 13749631748877392822591004728971231232.0/17

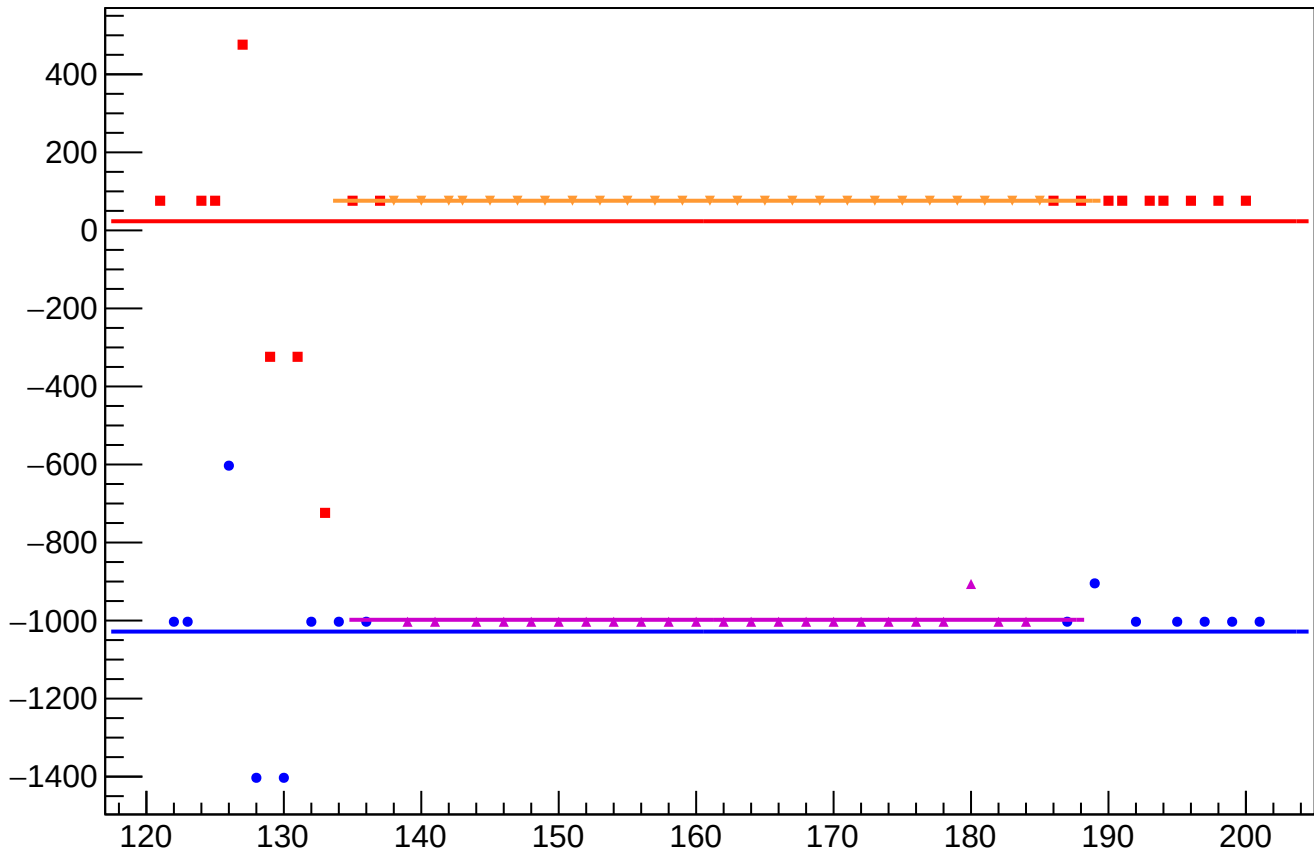
Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

+ sign 1067.134+/-0.000 χ^2/NDF : 46192029423382

All: 1023.567+/-0.000 χ^2/NDF : 12389009357

- sign 979.967+/-0.000 χ^2/NDF : 672887915503902

RTPAPOSVCNT_mean vs Slug



Right In: -1028.242 ± 0.000 χ^2/NDF : 23162847495419230756471442199711580160.0/14
 Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: 23.424 ± 0.000 χ^2/NDF : 44473523336961314133920913772251185152.0/17
 Left In: -998.020 ± 0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22
 All: -455.286 ± 0.000 χ^2/NDF : 16265228749
 + sign -258.770 ± 0.000 χ^2/NDF : 72925705996445
 - sign -651.945 ± 0.000 χ^2/NDF : 68548226607684