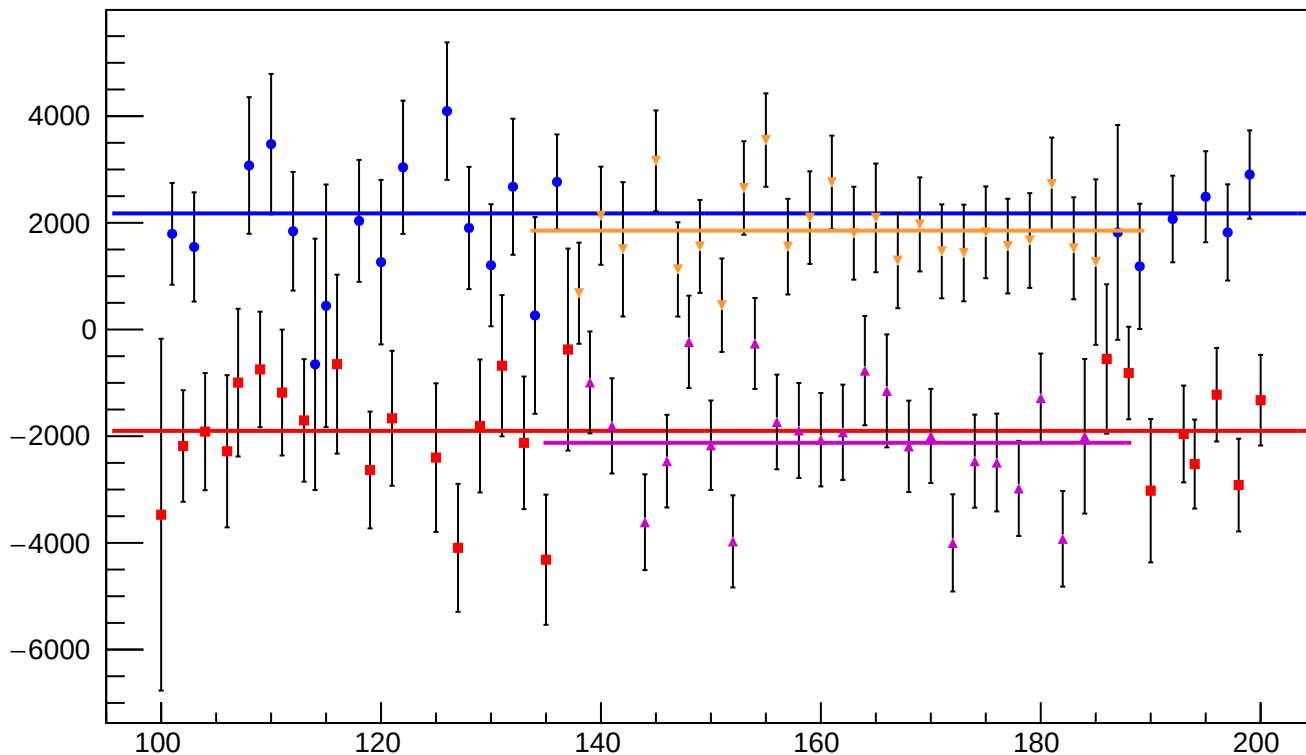


reg_asym_us_avg_mean vs Slug



Right In: 2176.994 $\pm$ 241.884

Left Out: 1854.267 $\pm$ 187.405

Right Out: -1899.786 $\pm$ 223.238

Left In: -2123.138 $\pm$ 188.684

χ^2 /NDF: 11.4/21

χ^2 /NDF: 15.1/23

χ^2 /NDF: 18.5/25

χ^2 /NDF: 32.0/22

+ sign 1975.324 $\pm$ 148.144

All: -82.712 $\pm$ 103.296

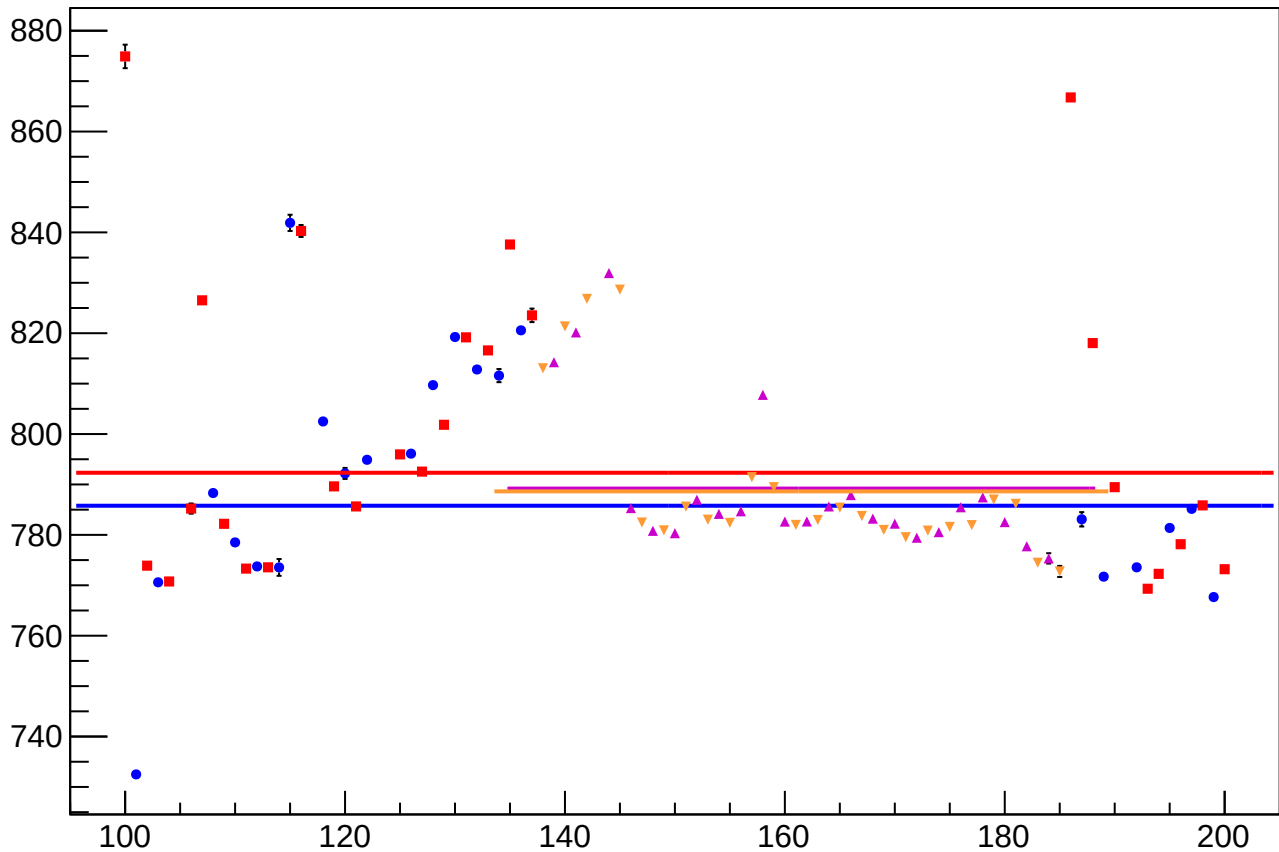
- sign -2030.067 $\pm$ 144.106

χ^2 /NDF: 27.7/45

χ^2 /NDF: 454.3/94

χ^2 /NDF: 51.1/48

reg_asym_us_avg_rms vs Slug



Right In: 785.781 $\pm$ 0.171 χ^2 /NDF: 17621.1/21

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

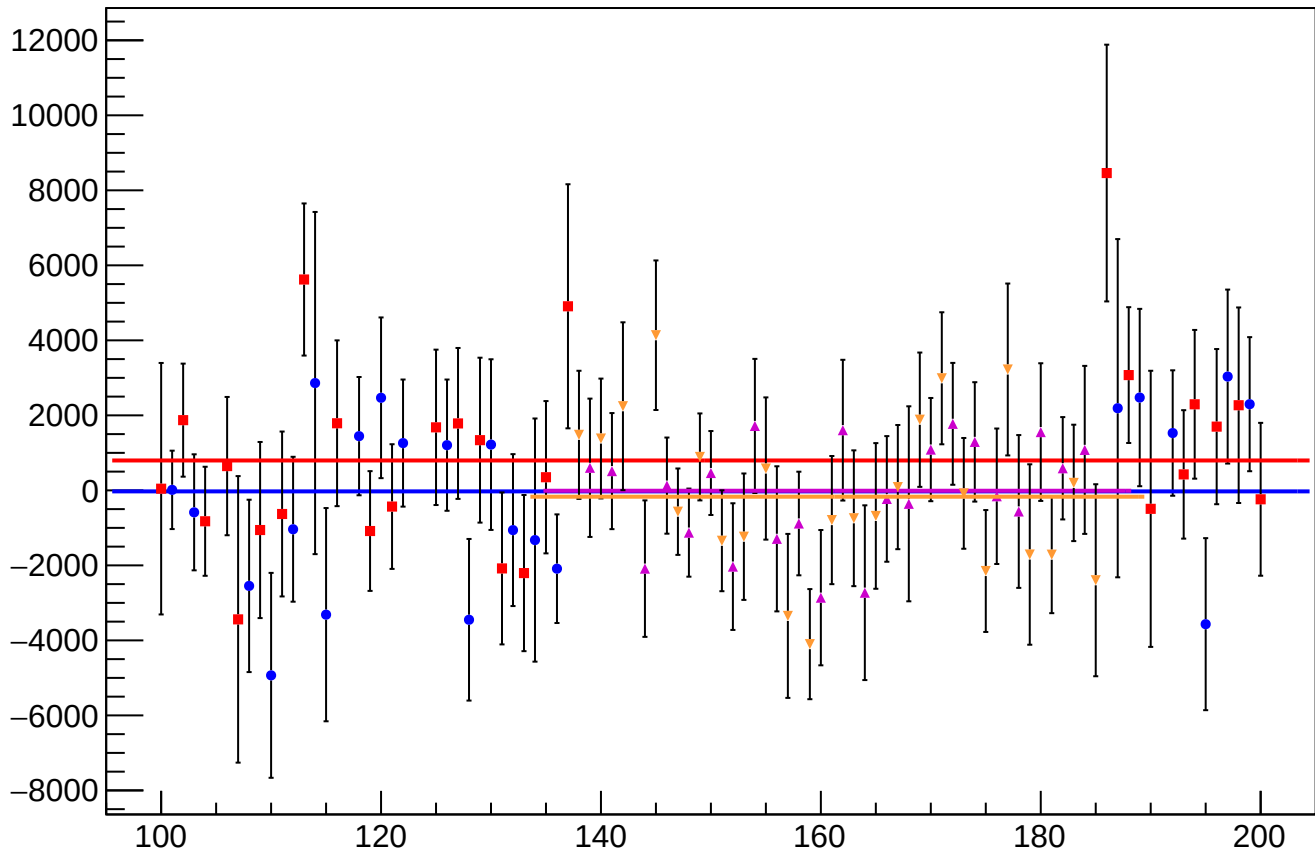
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 787.561 $\pm$ 0.105 χ^2 /NDF: 29272.5/45

All: 789.066 $\pm$ 0.073 χ^2 /NDF: 64615.2/94

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

asym_us_avg_correction_mean vs Slug



Right In: -27.040 $\pm$ 412.029 χ^2 /NDF: 23.2/21

Left Out: -169.172 $\pm$ 340.391 χ^2 /NDF:30.0/23

Right Out: 797.102 $\pm$ 403.727 χ^2 /NDF: 26.2/25

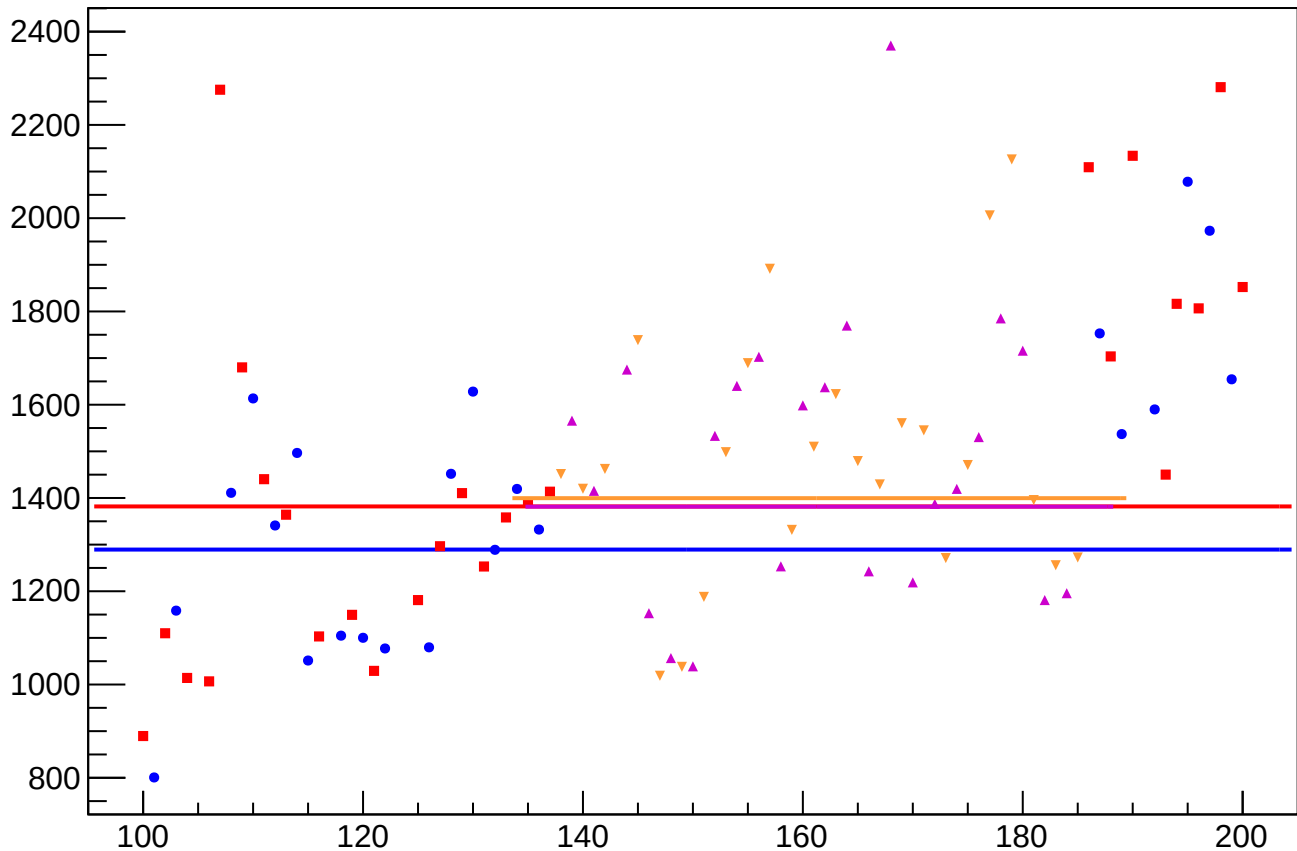
Left In: -10.093 $\pm$ 337.810 χ^2 /NDF:14.2/22

+ sign -111.517 $\pm$ 262.422 χ^2 /NDF: 53.3/45

All: 108.179 $\pm$ 184.367 χ^2 /NDF: 97.4/94

- sign 322.314 $\pm$ 259.080 χ^2 /NDF: 42.8/48

asym_us_avg_correction_rms vs Slug



Right In: 1289.375 $\pm$ 0.291 χ^2 /NDF: 1269969.3/21

Left Out: 1399.587 $\pm$ 0.241 χ^2 /NDF:1119125.1/23

+ sign 1354.880 $\pm$ 0.186 χ^2 /NDF: 2474144.8/45

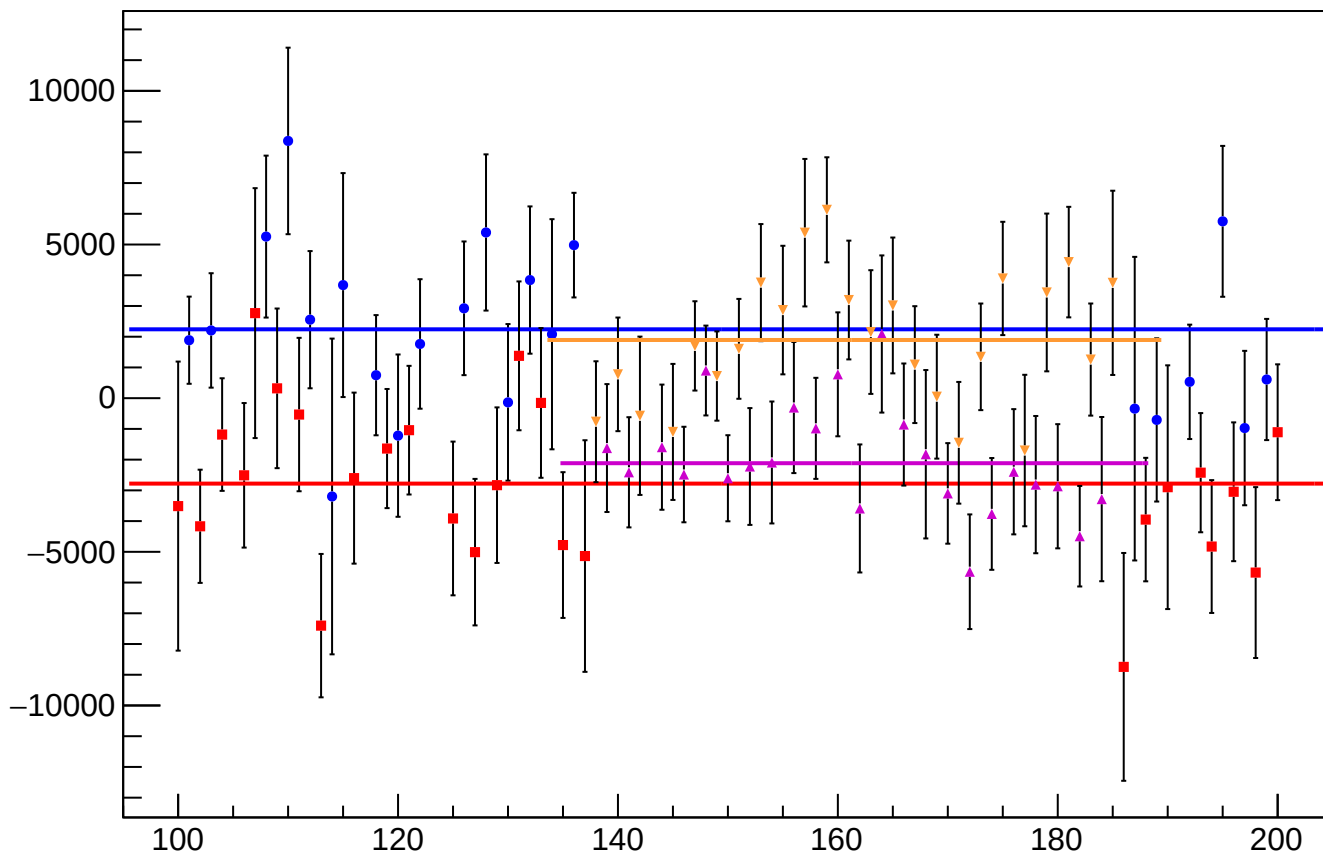
Right Out: 1381.874 $\pm$ 0.285 χ^2 /NDF: 1422693.0/25

All: 1368.396 $\pm$ 0.130 χ^2 /NDF: 5183805.6/94

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

- sign 1381.571 $\pm$ 0.183 χ^2 /NDF: 2699183.2/48

asym_us_avg_mean vs Slug



Right In: 2240.946 $\pm$ 491.109 χ^2 /NDF: 21.4/21

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

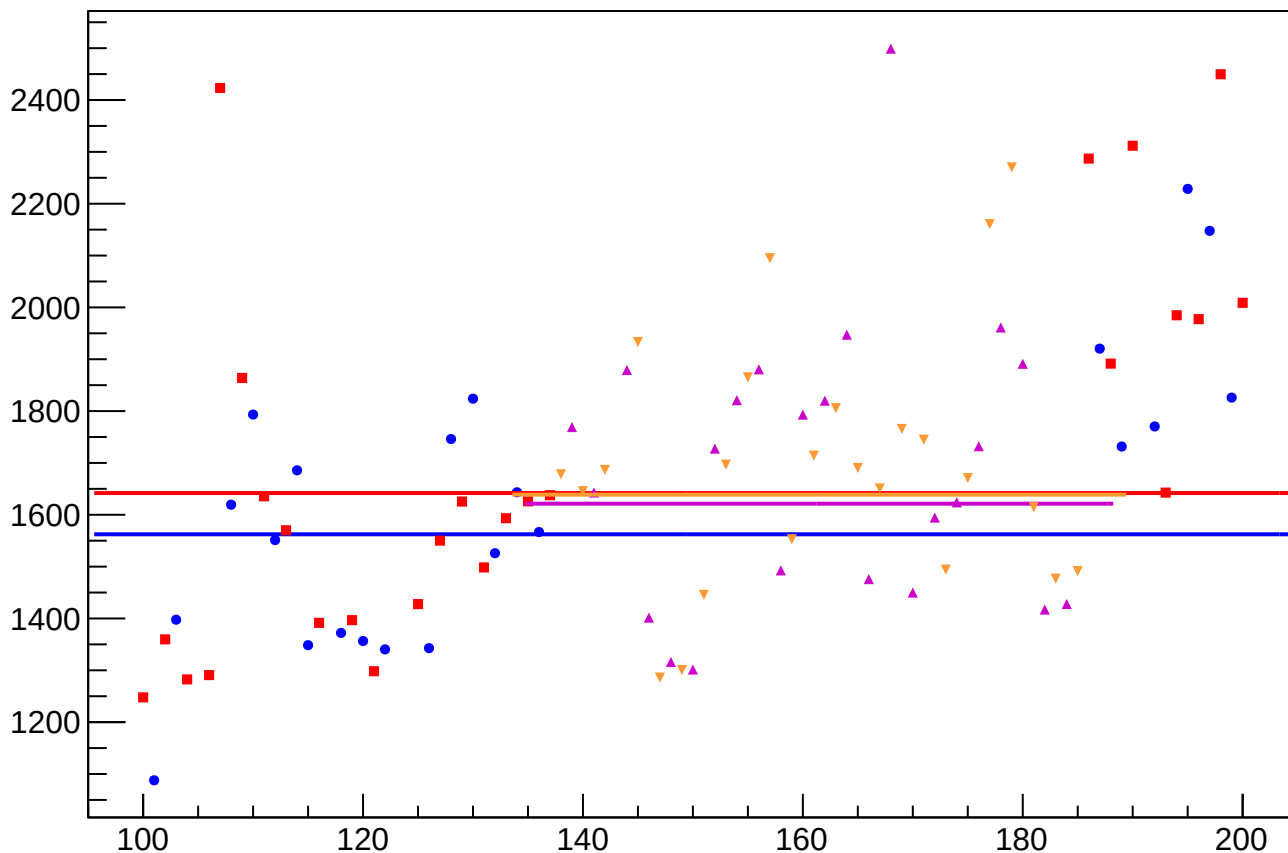
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 2029.906 $\pm$ 307.738 χ^2 /NDF: 47.6/45

All: -218.116 $\pm$ 215.651 χ^2 /NDF: 194.7/94

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

asym_us_avg_rms vs Slug



Right In: 1562.370+/-0.347 χ^2 /NDF: 701937.9/21

Left Out: 1638.806+/-0.279 χ^2 /NDF: 671906.6/23

Right Out: 1641.932+/-0.334 χ^2 /NDF: 867625.1/25

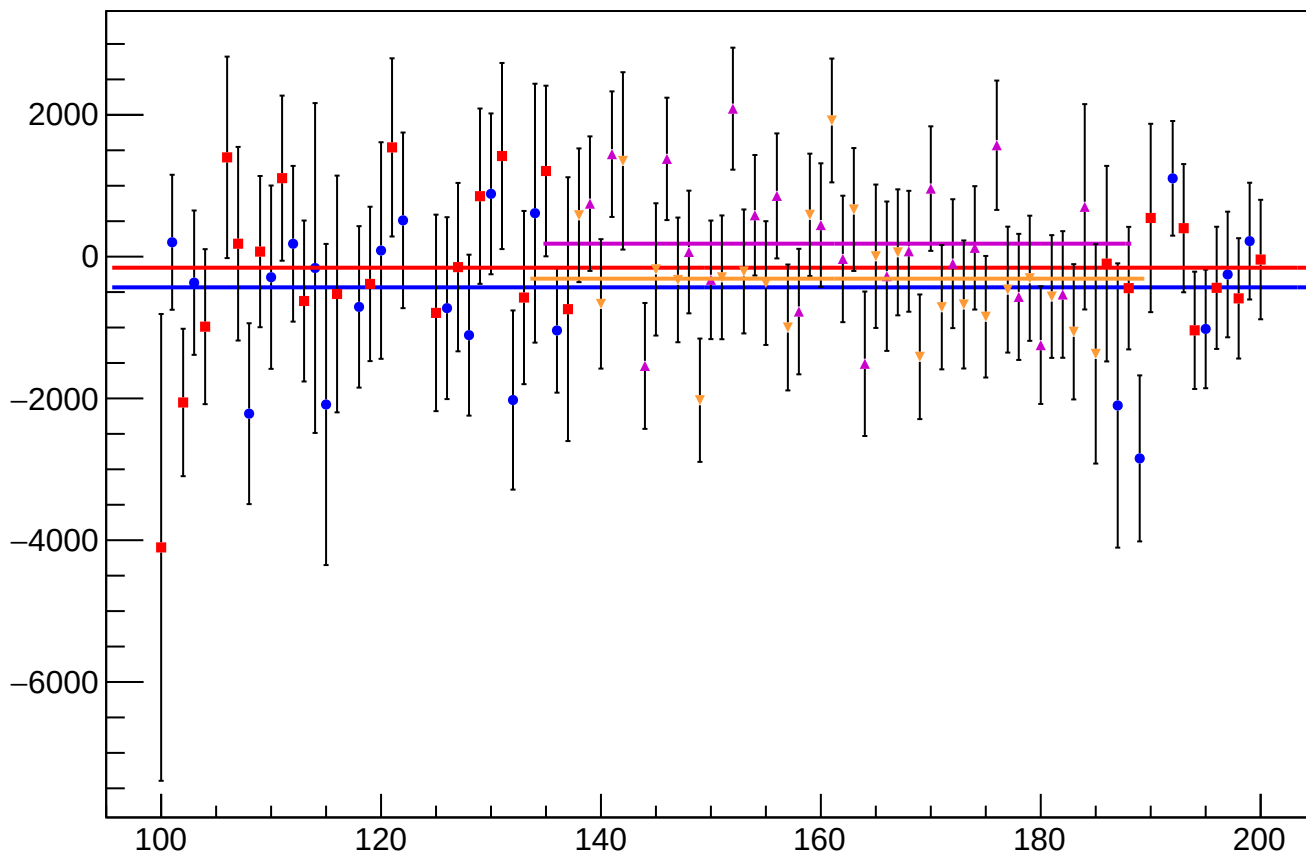
Left In: 1621.417+/-0.278 χ^2 /NDF: 775310.1/22

+ sign 1608.794+/-0.218 χ^2 /NDF: 1403269.2/45

All: 1619.481+/-0.152 χ^2 /NDF: 3053170.2/94

- sign 1629.794+/-0.214 χ^2 /NDF: 1645160.7/48

reg_asym_us_dd_mean vs Slug



Right In: -432.980 ± 239.660 χ^2/NDF : 17.9/21

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

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

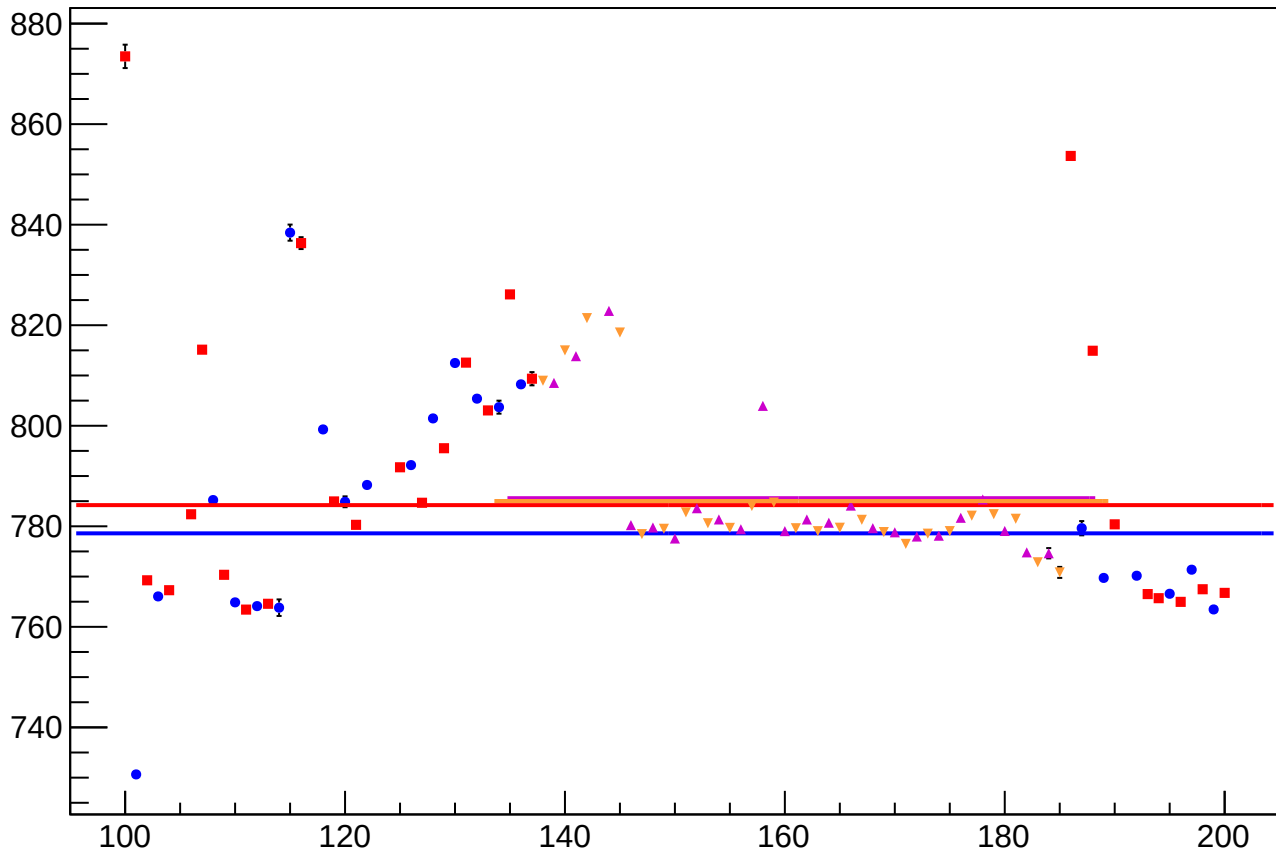
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -356.747 ± 147.204 χ^2/NDF : 38.1/45

All: -152.408 ± 102.607 χ^2/NDF : 85.4/94

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

reg_asym_us_dd_rms vs Slug



Right In: 778.598 $\pm$ 0.169 χ^2 /NDF: 16226.7/21

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

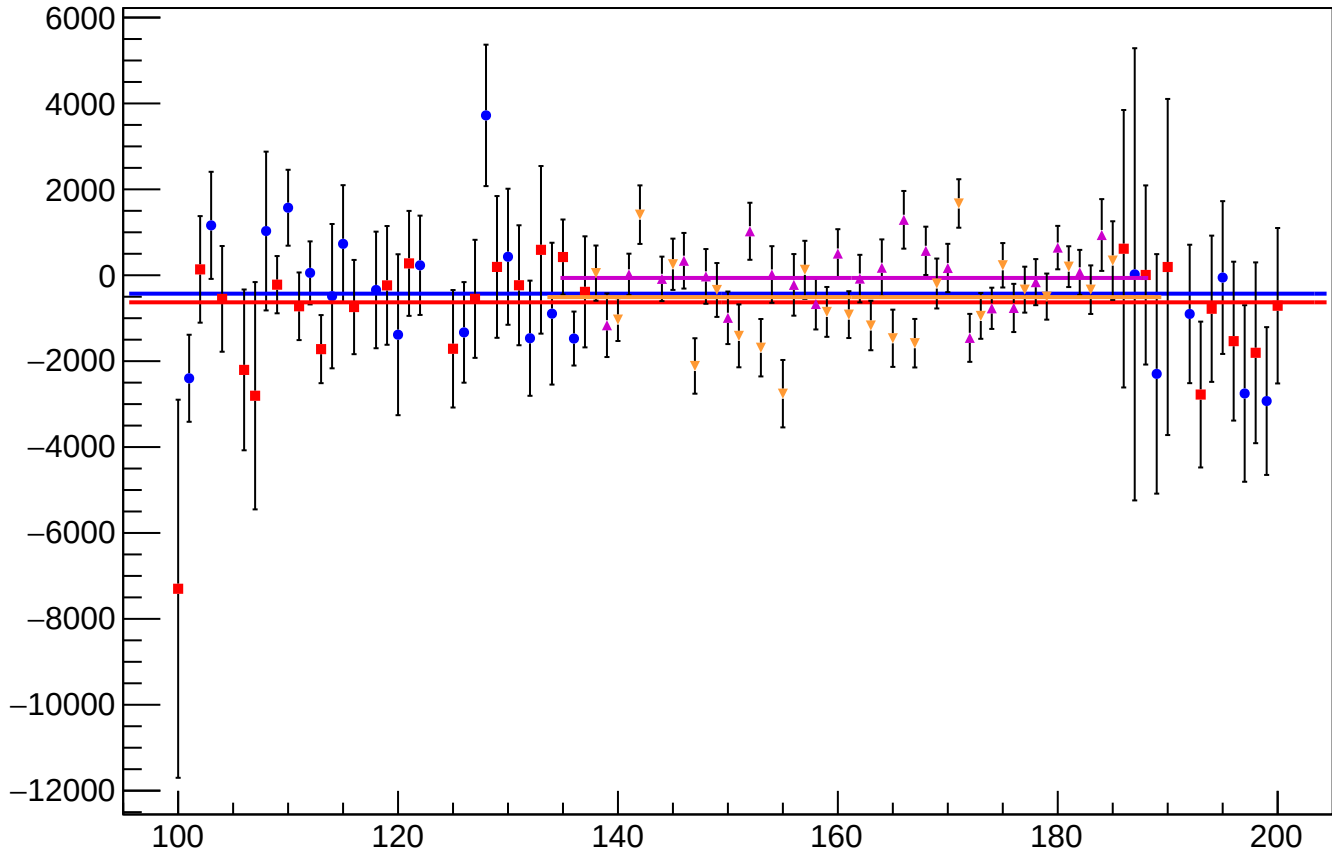
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 782.604 $\pm$ 0.104 χ^2 /NDF: 26491.8/45

All: 783.843 $\pm$ 0.073 χ^2 /NDF: 59563.0/94

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

asym_us_dd_correction_mean vs Slug



Right In: -428.644 ± 268.126 χ^2/NDF : 27.6/21

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

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

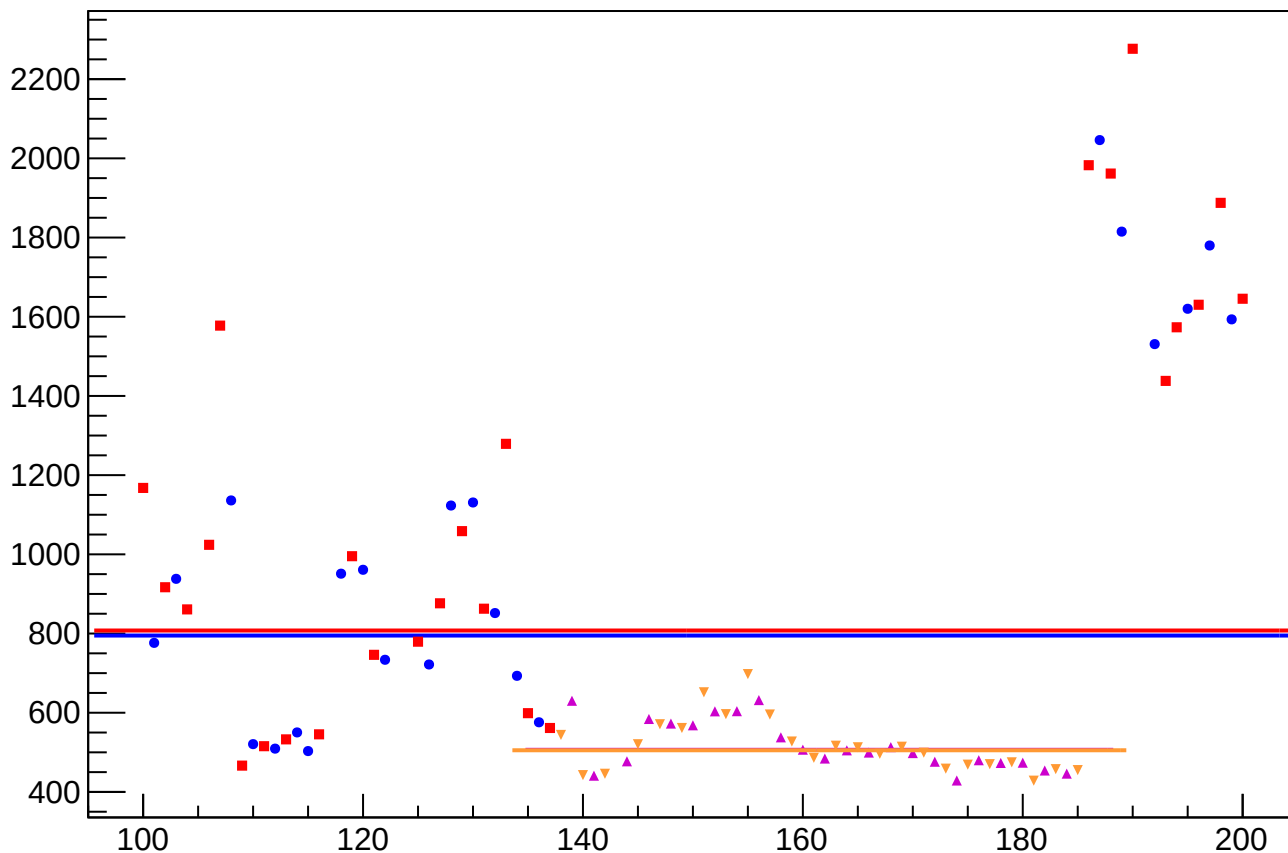
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -495.627 ± 110.434 χ^2/NDF : 88.2/45

All: -331.403 ± 77.986 χ^2/NDF : 137.7/94

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

asym_us_dd_correction_rms vs Slug



Right In: 794.924 $\pm$ 0.190 χ^2 /NDF: 3322428.7/21

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

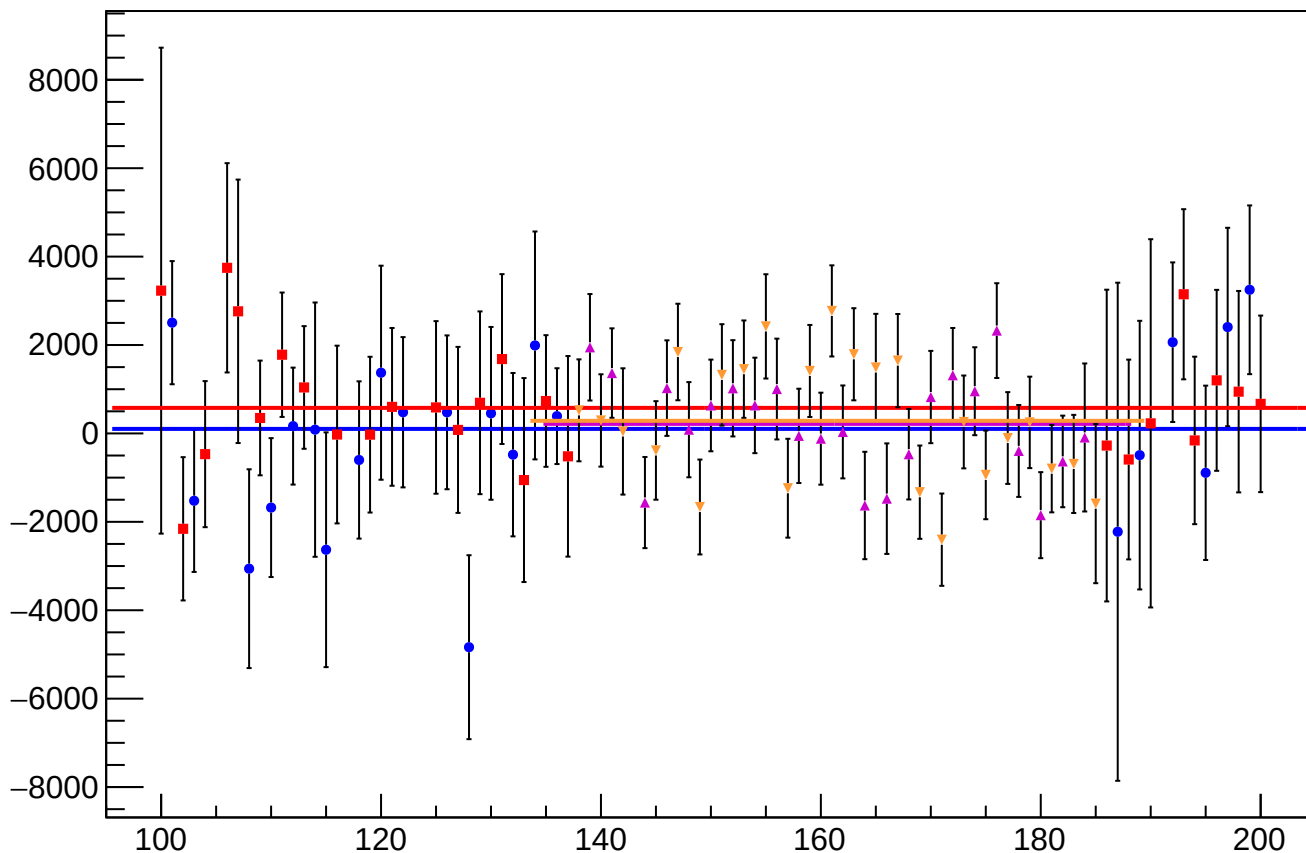
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF: 436294.4/22

+ sign 554.365 $\pm$ 0.078 χ^2 /NDF: 5746790.2/45

All: 558.330 $\pm$ 0.055 χ^2 /NDF: 13423386.2/94

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

asym_us_dd_mean vs Slug



Right In: 102.387 $\pm$ 393.300 χ^2 /NDF: 20.6/21

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

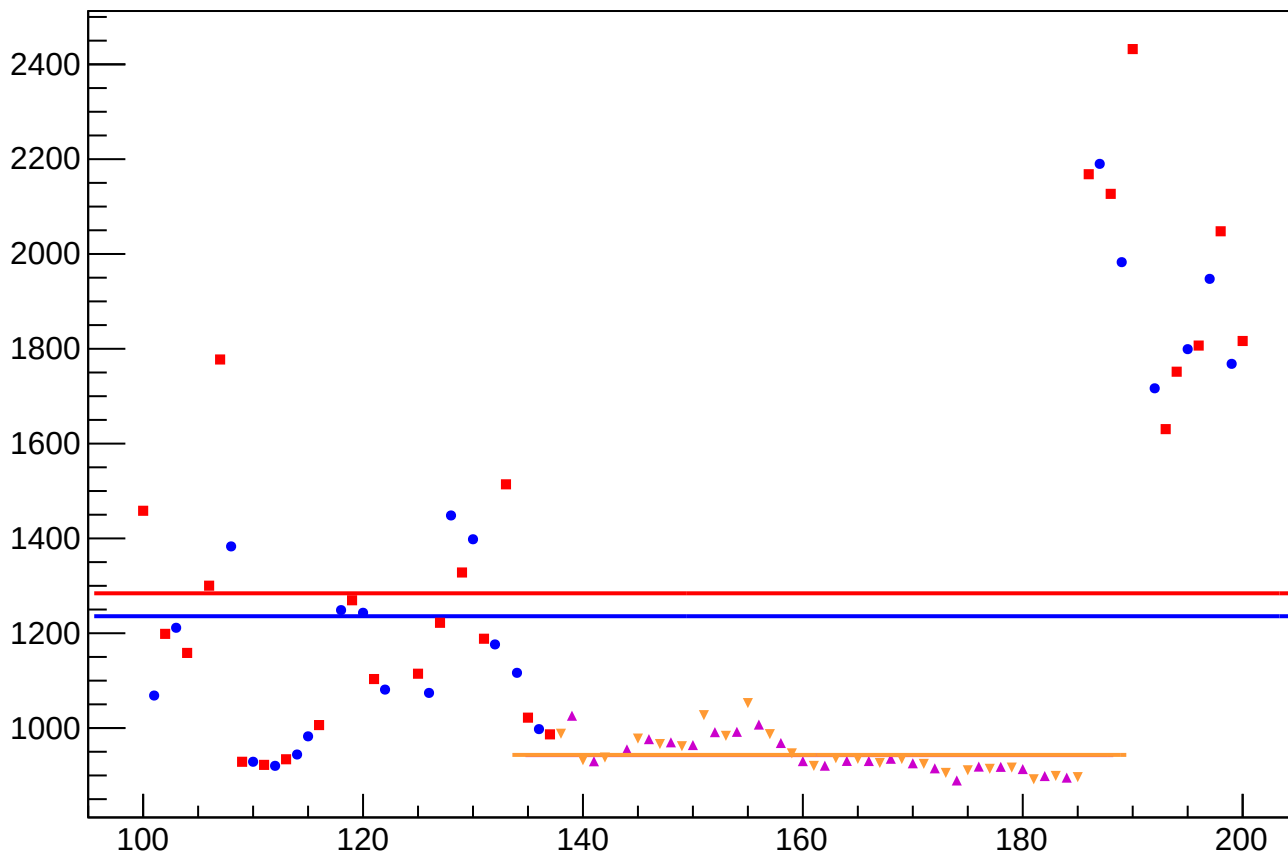
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 240.268 $\pm$ 194.892 χ^2 /NDF: 59.1/45

All: 276.072 $\pm$ 137.363 χ^2 /NDF: 94.6/94

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

asym_us_dd_rms vs Slug



Right In: 1235.896+/-0.278 χ^2/NDF : 1278081.9/21

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

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

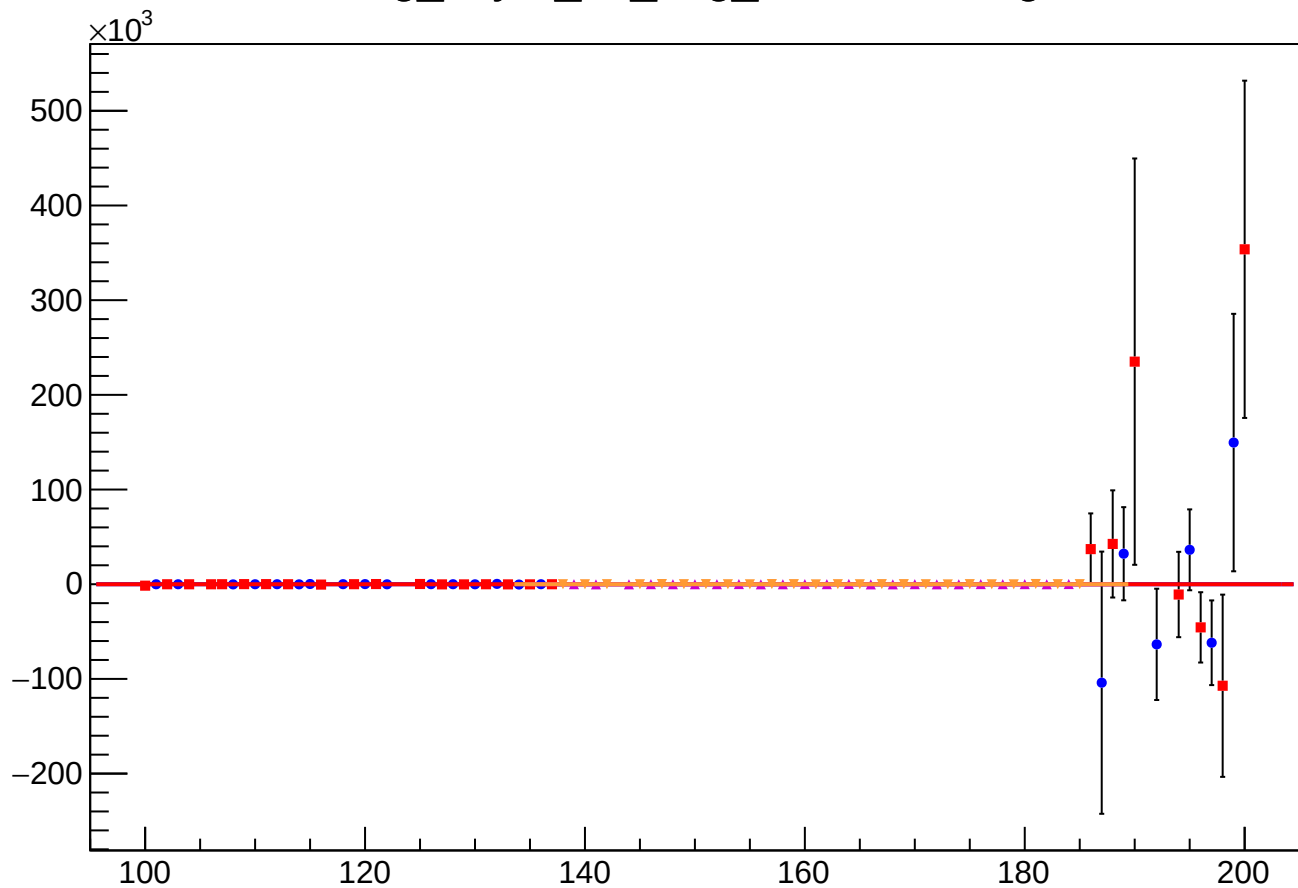
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1015.185+/-0.138 χ^2/NDF : 2173280.4/45

All: 1024.046+/-0.097 χ^2/NDF : 5356752.3/94

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

reg_asym_ds_avg_mean vs Slug



Right In: -15.563 ± 30.032 χ^2/NDF : 22.0/21

Left Out: 3.710 ± 21.467 χ^2/NDF : 22.4/23

Right Out: -31.749 ± 30.492 χ^2/NDF : 26.3/24

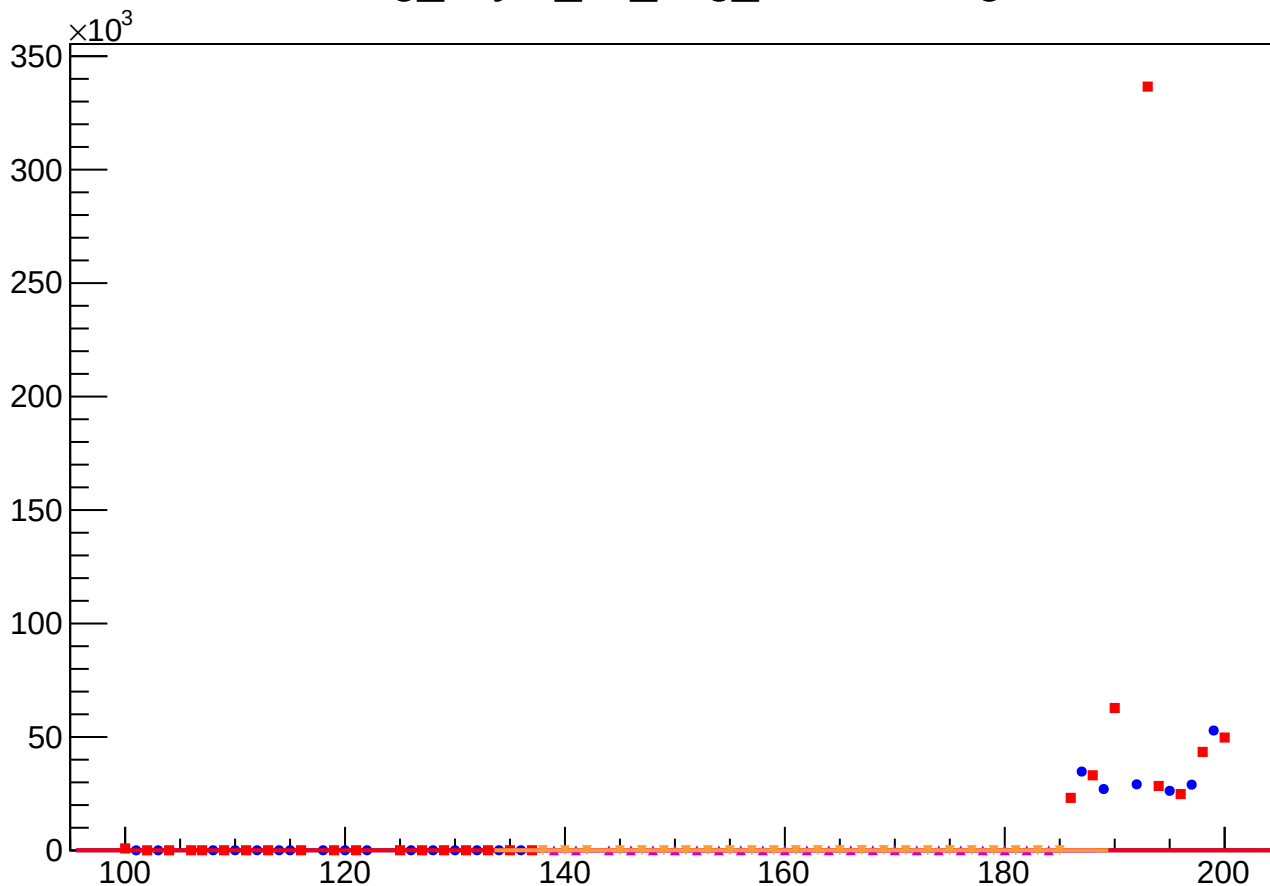
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.807 ± 17.464 χ^2/NDF : 44.7/45

All: 0.903 ± 12.403 χ^2/NDF : 95.7/93

- sign 4.678 ± 17.617 χ^2/NDF : 50.9/47

reg_asym_ds_avg_rms vs Slug



Right In: 76.102 $\pm$ 0.021 χ^2 /NDF: 3585589.6/21

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

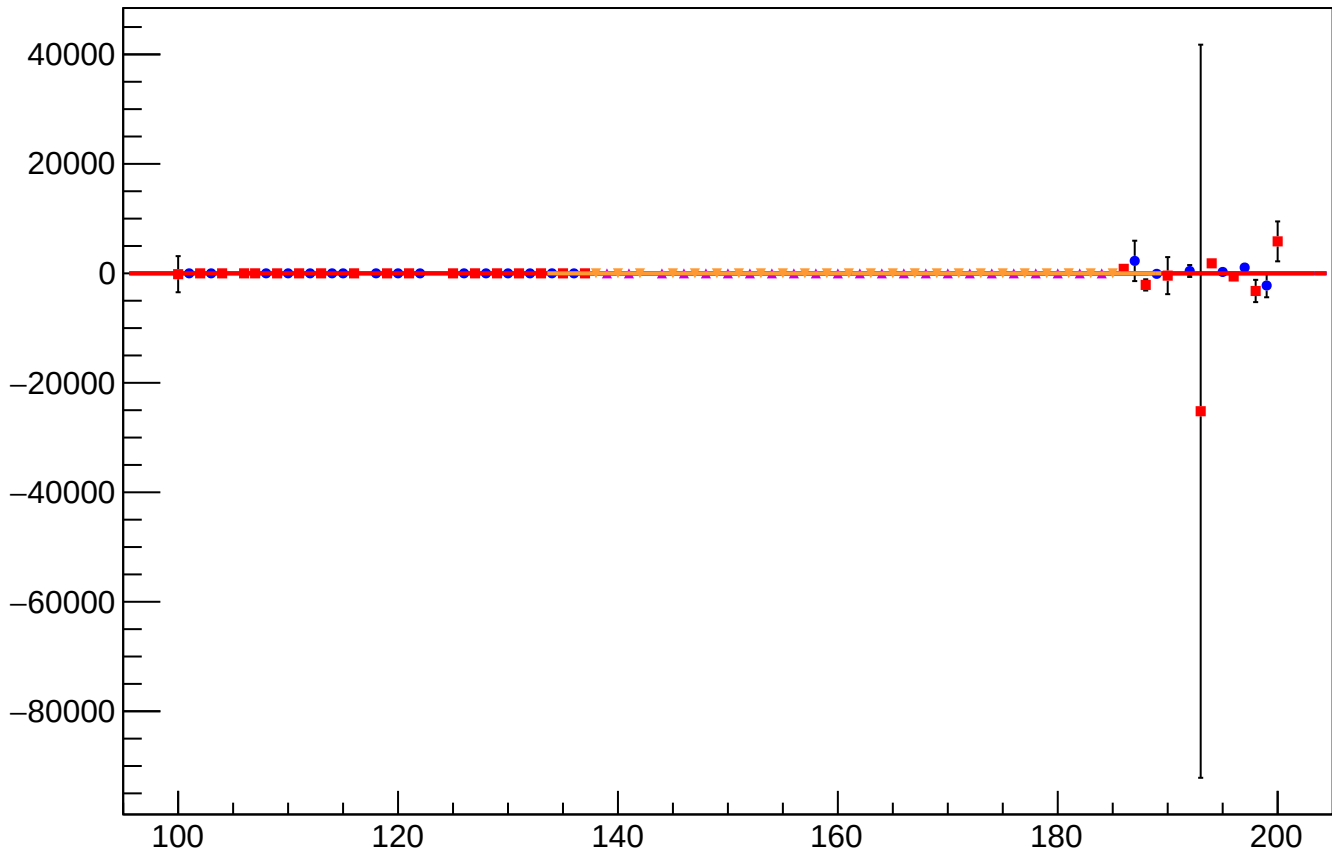
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.096 $\pm$ 0.012 χ^2 /NDF: 4322925.8/45

All: 85.645 $\pm$ 0.009 χ^2 /NDF: 9331794.5/94

- 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 : 24.0/21

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

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

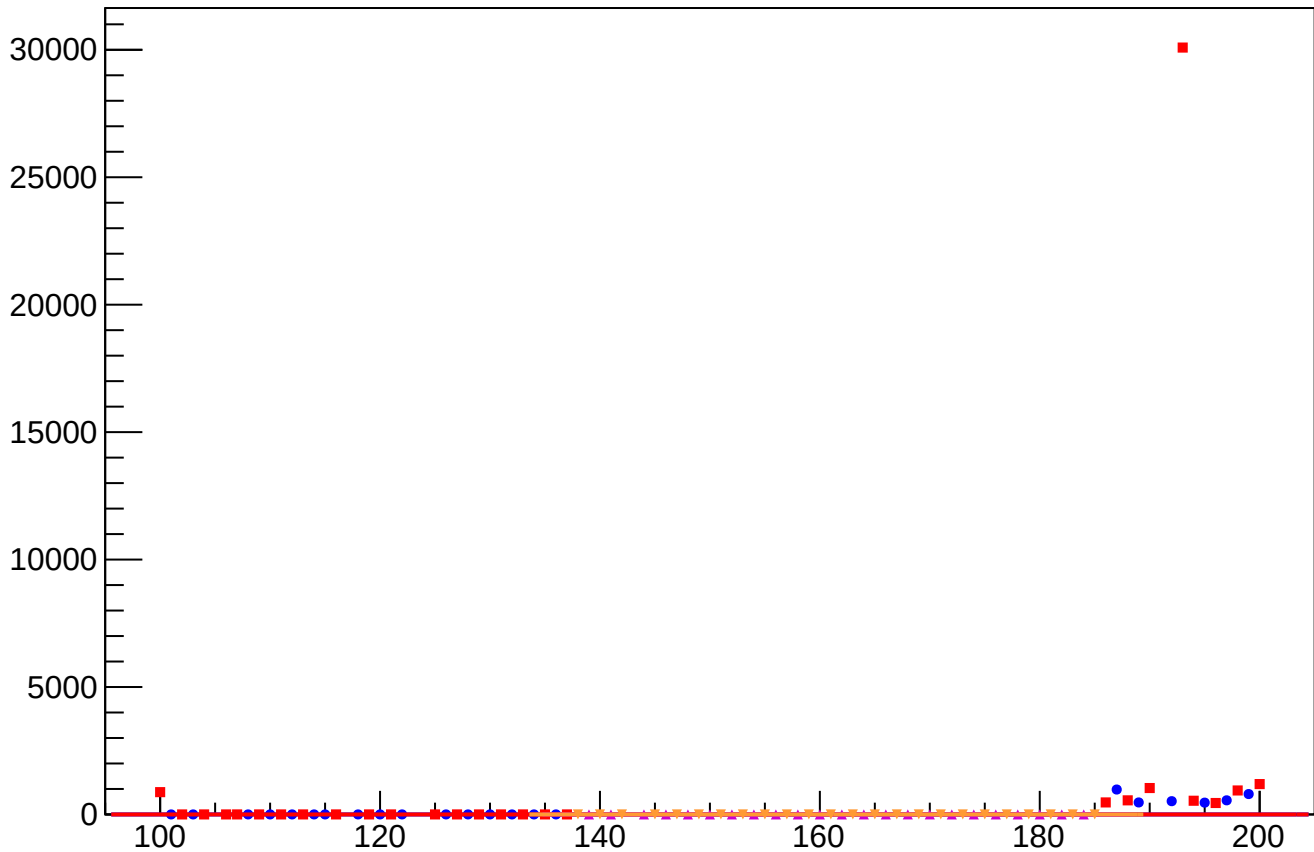
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 ± 0.301 χ^2/NDF : 45.8/45

All: 0.144 ± 0.217 χ^2/NDF : 98.9/94

- 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 : 3284761.5/21

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

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

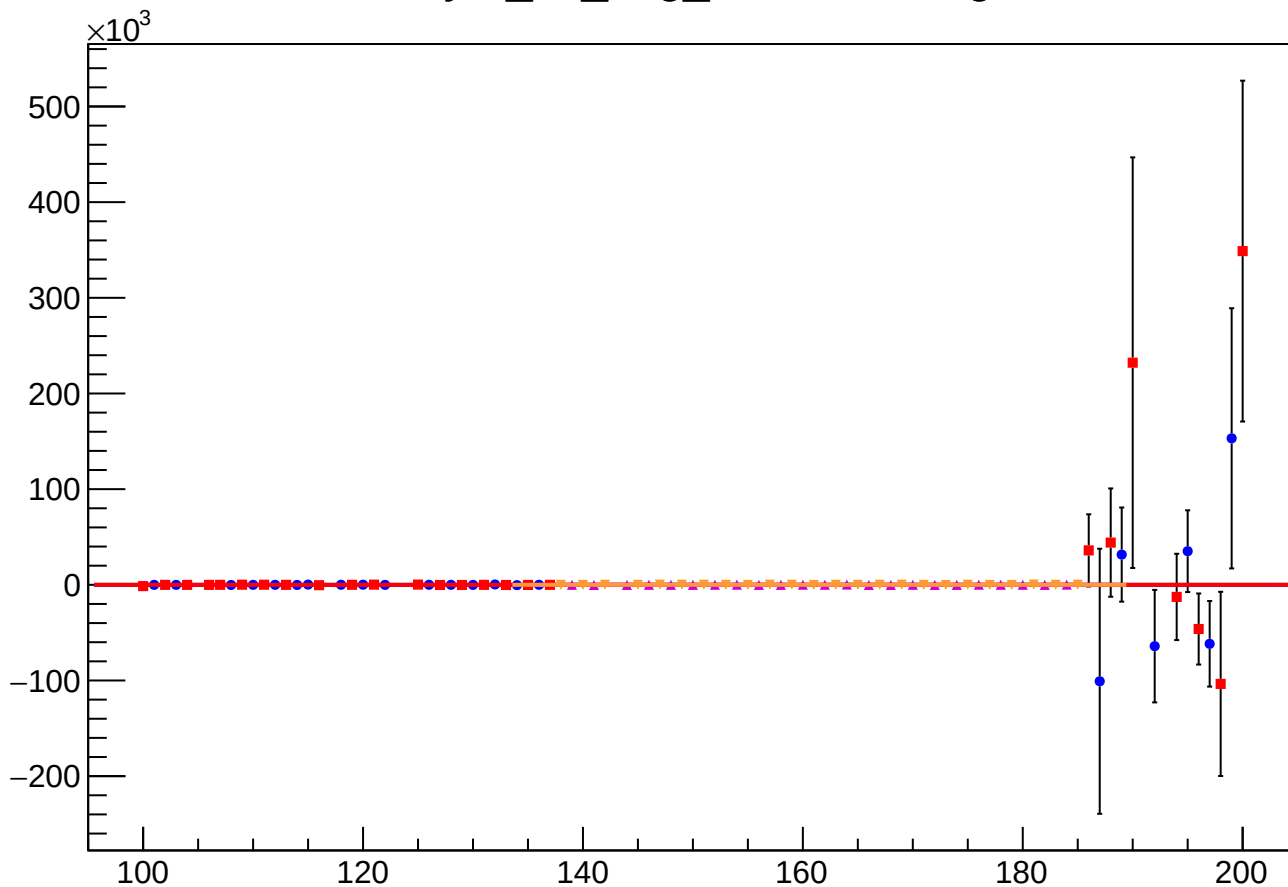
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 4604290.6/45

All: 1.350+/-0.000 χ^2/NDF : 10331160.4/94

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

asym_ds_avg_mean vs Slug



Right In: -14.500 ± 30.040 χ^2/NDF : 22.2/21

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

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

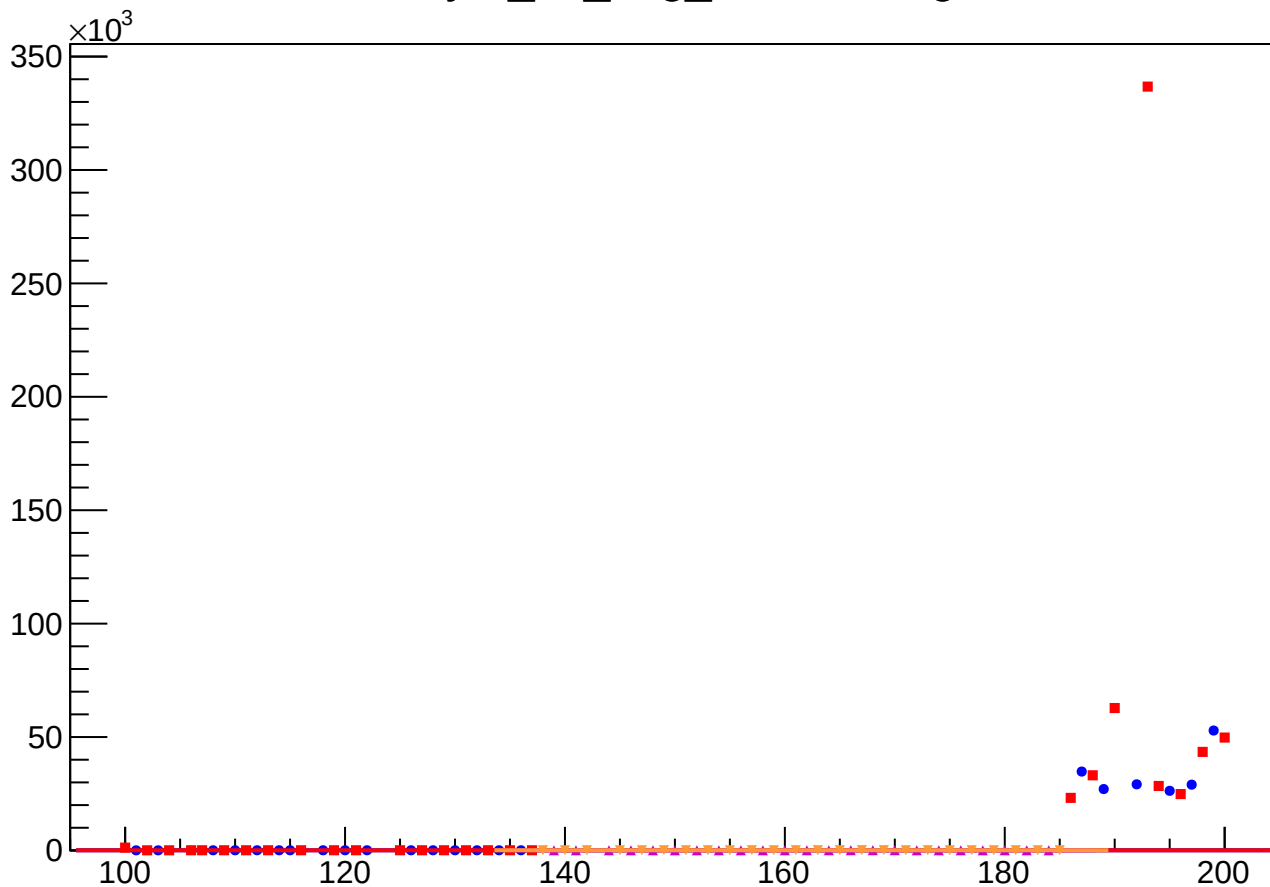
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -2.590 ± 17.470 χ^2/NDF : 44.5/45

All: 0.805 ± 12.407 χ^2/NDF : 95.2/93

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

asym_ds_avg_rms vs Slug



Right In: 76.122 $\pm$ 0.021 χ^2 /NDF: 3585646.1/21

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

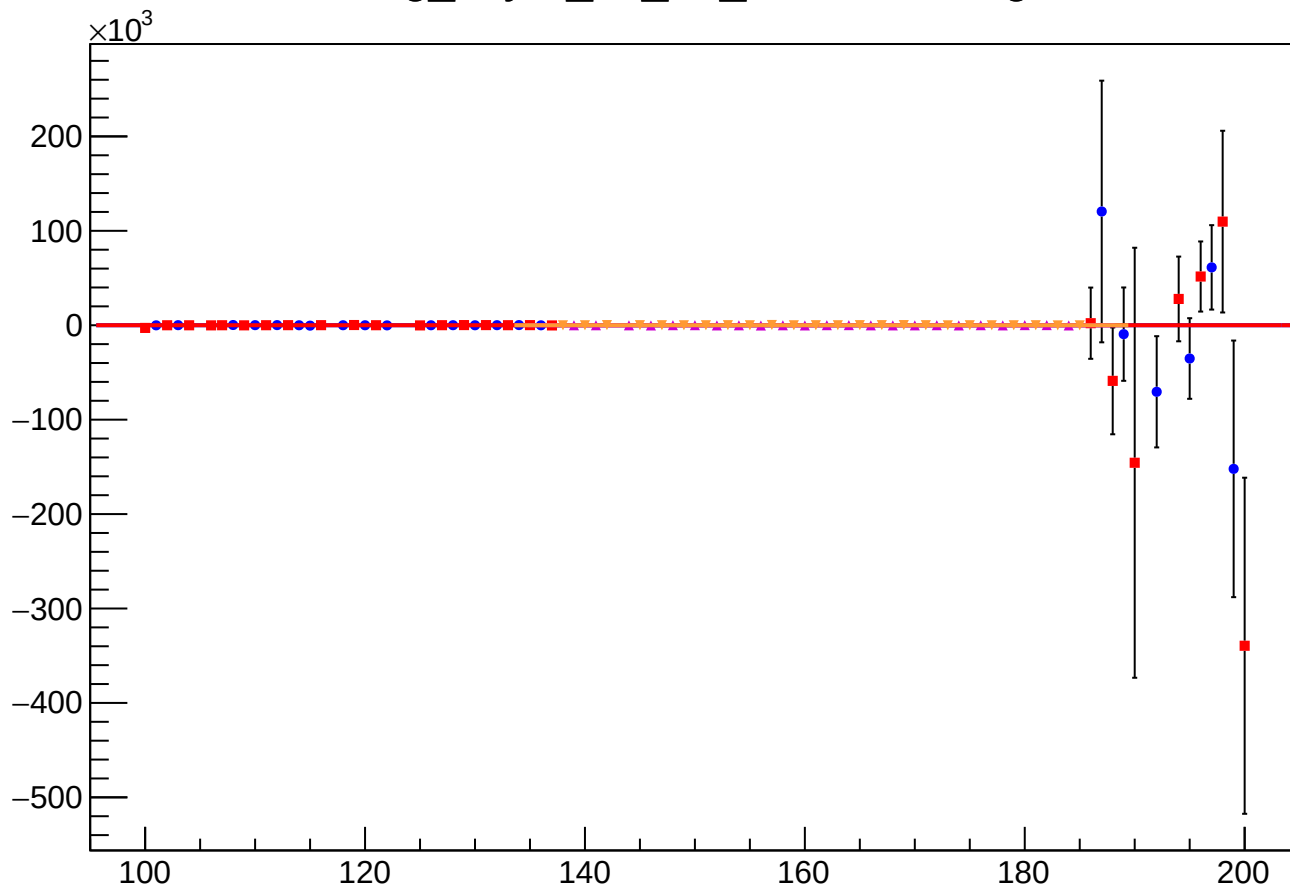
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF:509391.8/22

+ sign 85.120 $\pm$ 0.012 χ^2 /NDF: 4323852.1/45

All: 85.666 $\pm$ 0.009 χ^2 /NDF: 9340735.5/94

- 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 : 20.1/21

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

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

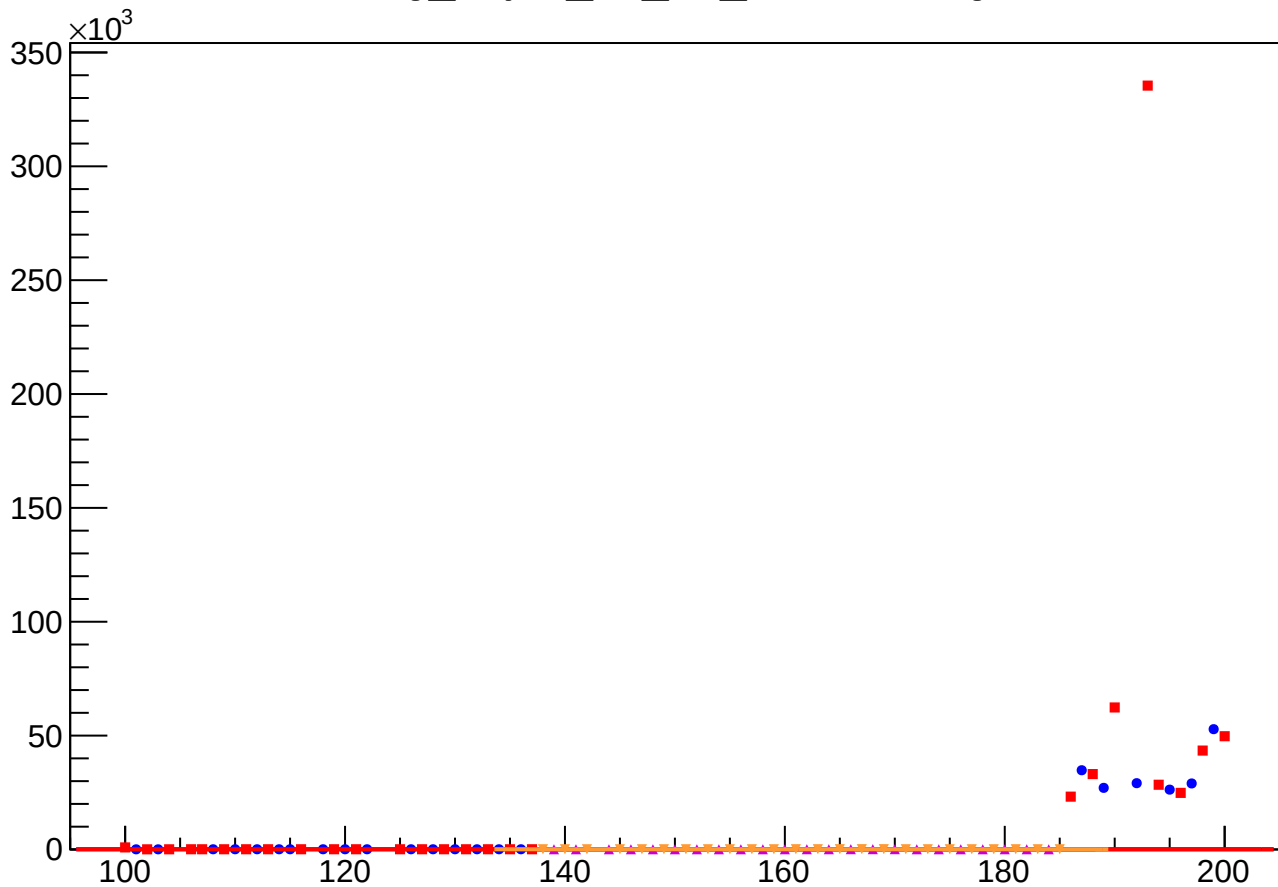
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.845 ± 17.463 χ^2/NDF : 37.3/45

All: -3.572 ± 12.403 χ^2/NDF : 95.5/93

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

reg_asym_ds_dd_rms vs Slug



Right In: 76.053 $\pm$ 0.021 χ^2 /NDF: 3584603.9/21

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

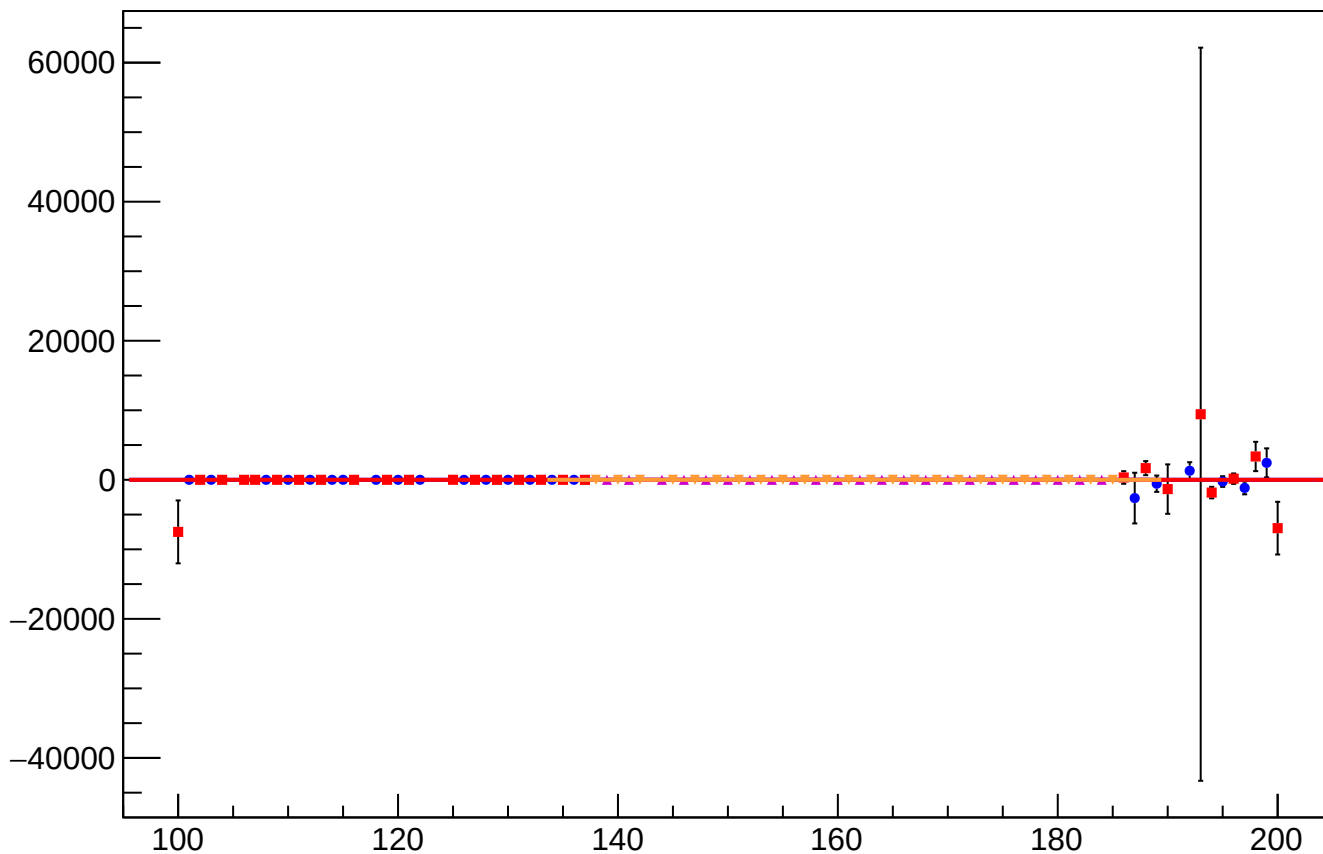
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.087 $\pm$ 0.012 χ^2 /NDF: 4323720.3/45

All: 85.641 $\pm$ 0.009 χ^2 /NDF: 9337044.7/94

- 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 : 16.9/21

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

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

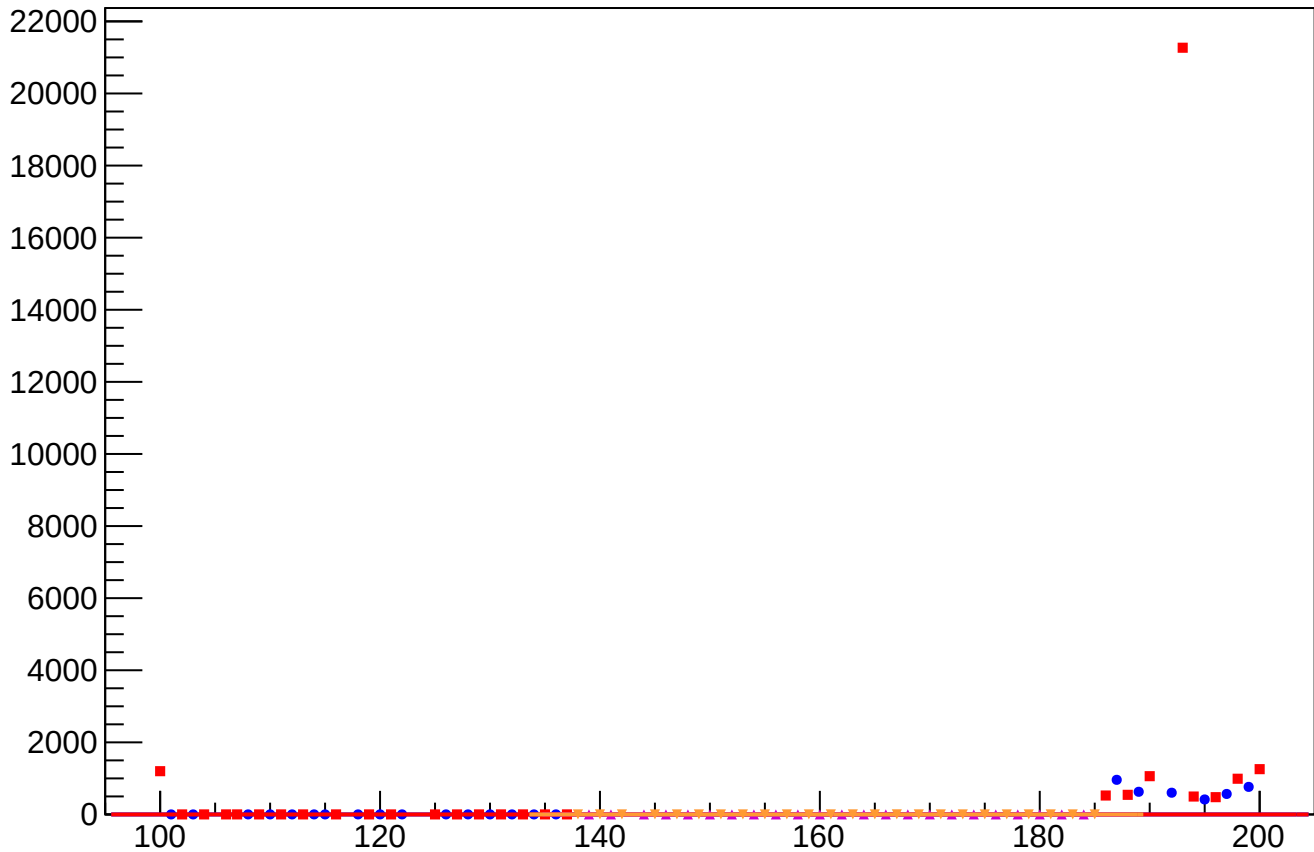
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 42.1/45

All: -0.045 ± 0.224 χ^2/NDF : 90.3/94

- 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 : 3427605.9/21

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

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

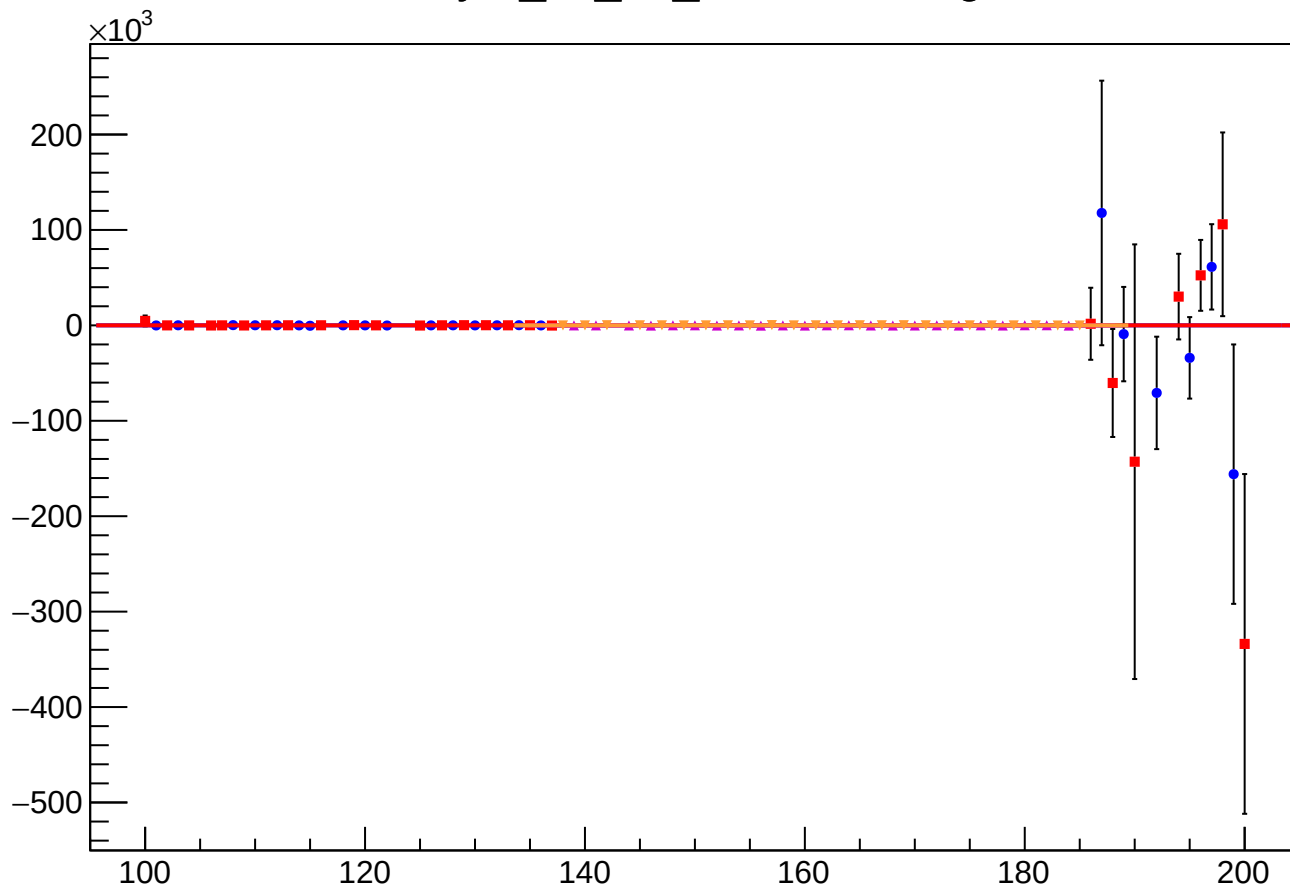
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 4839524.9/45

All: 1.400+/-0.000 χ^2/NDF : 10456056.6/94

- 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 : 19.9/21

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

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

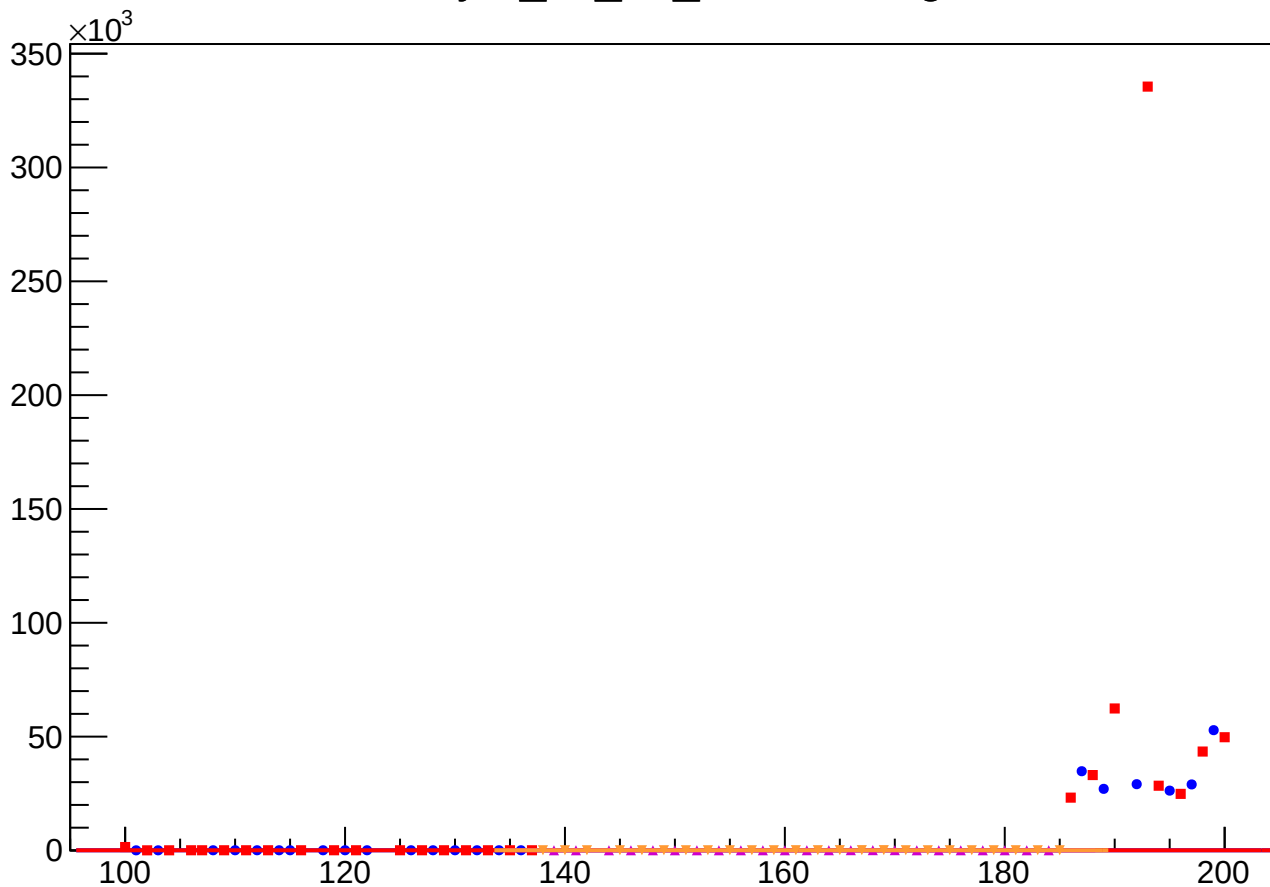
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.934 ± 17.468 χ^2/NDF : 37.0/45

All: -3.585 ± 12.407 χ^2/NDF : 95.2/93

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

asym_ds_dd_rms vs Slug



Right In: 76.073 $\pm$ 0.021 χ^2 /NDF: 3584697.0/21

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

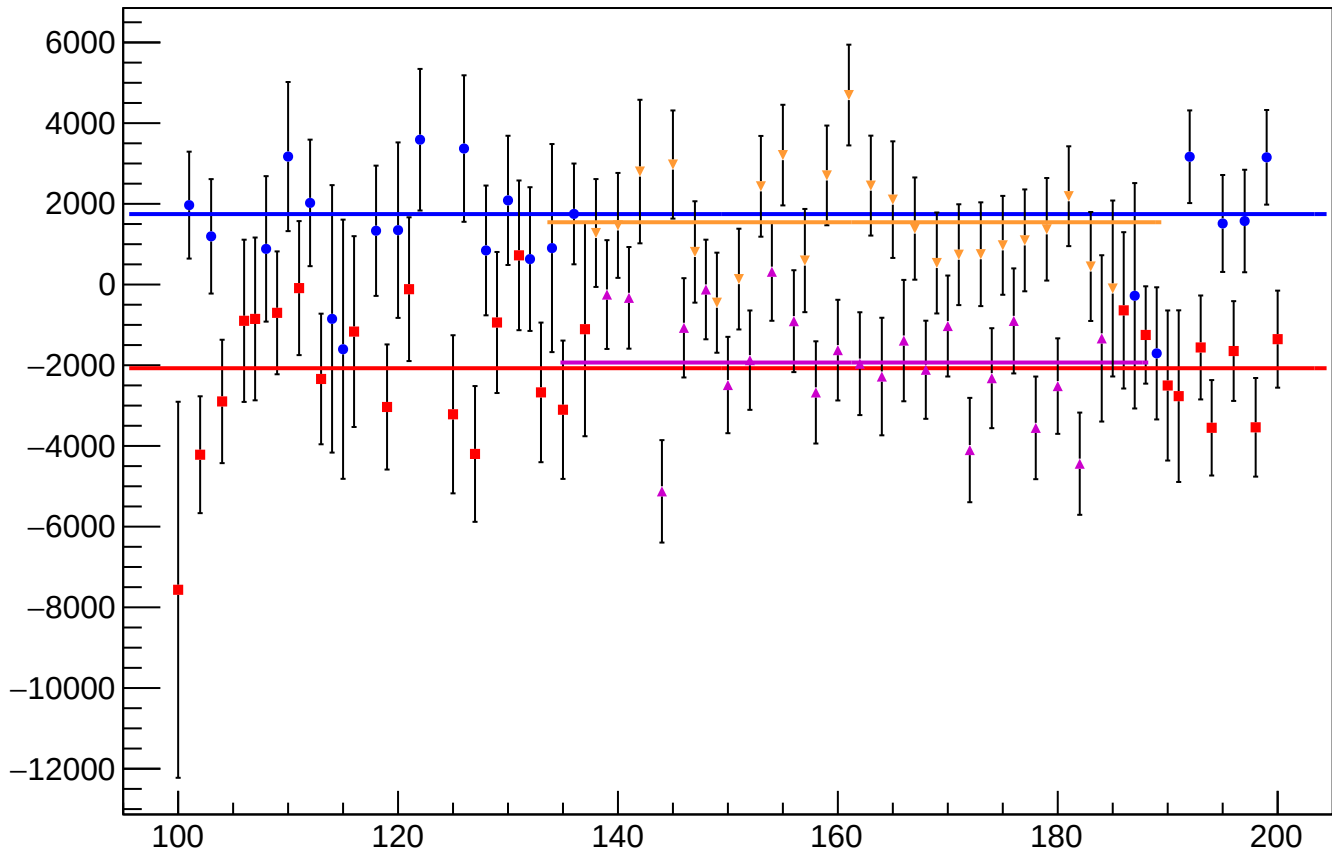
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.112 $\pm$ 0.012 χ^2 /NDF: 4324686.2/45

All: 85.661 $\pm$ 0.009 χ^2 /NDF: 9348849.8/94

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

reg_asym_usl_mean vs Slug



Right In: 1746.160+/-339.653 χ^2/NDF : 13.6/21

Left Out: 1544.102+/-266.270 χ^2/NDF : 20.0/23

Right Out: -2073.859+/-310.475 χ^2/NDF : 18.6/26

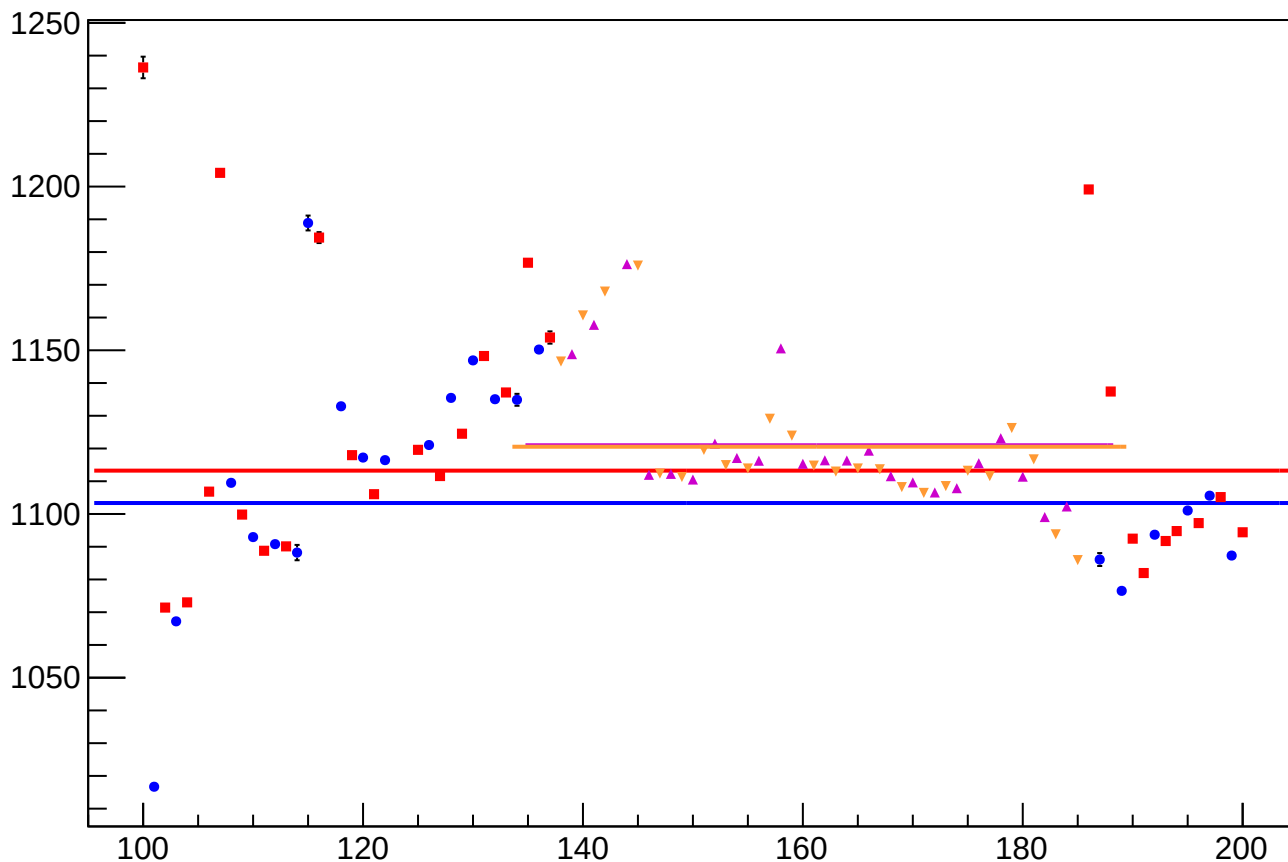
Left In: -1933.000+/-268.006 χ^2/NDF : 27.0/22

+ sign 1621.014+/-209.553 χ^2/NDF : 33.8/45

All: -244.561+/-145.758 χ^2/NDF : 233.1/95

- sign -1993.144+/-202.876 χ^2/NDF : 45.7/49

reg_asym_usl_rms vs Slug



Right In: 1103.351 $\pm$ 0.240 χ^2 /NDF: 19752.8/21

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

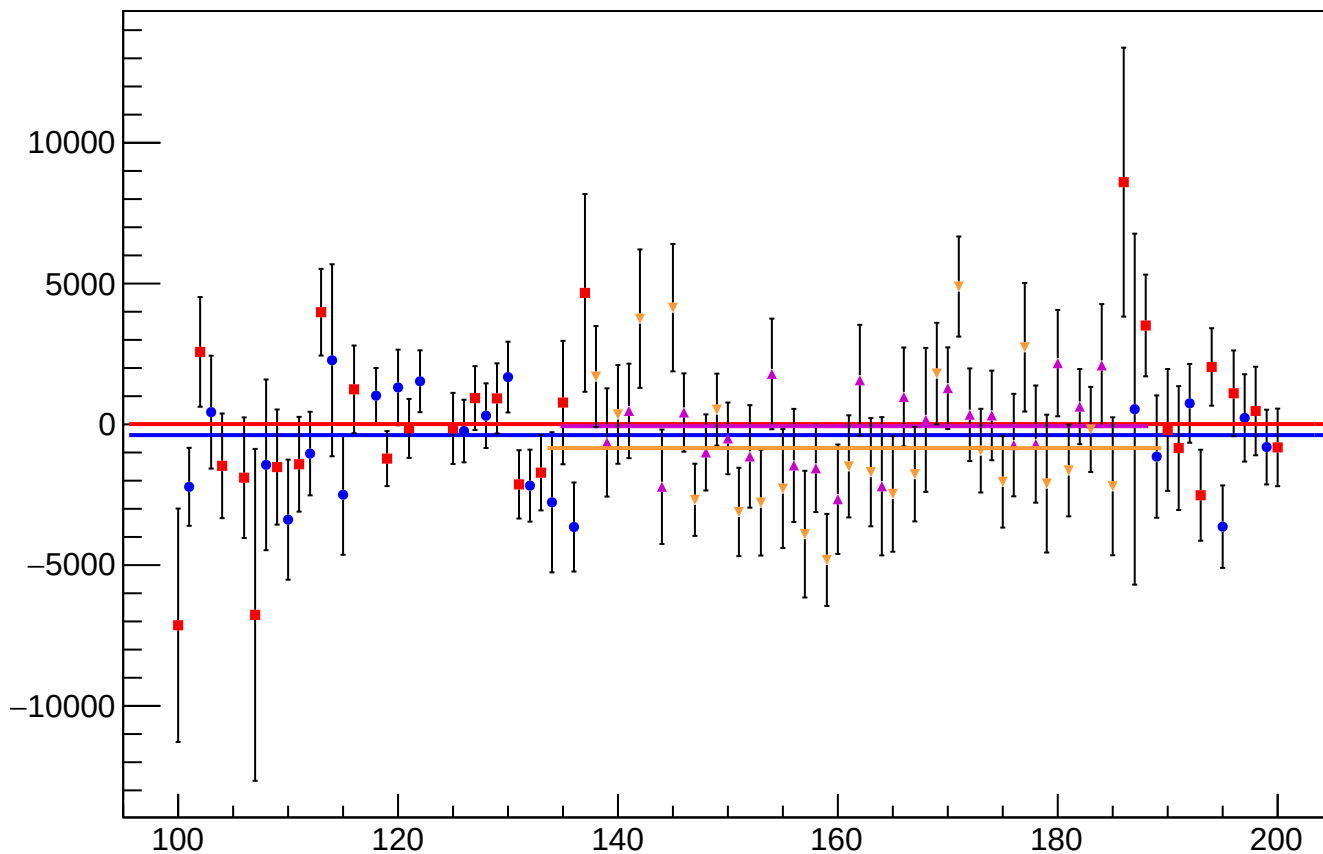
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF:9641.8/22

+ sign 1113.999 $\pm$ 0.148 χ^2 /NDF: 33179.0/45

All: 1115.901 $\pm$ 0.103 χ^2 /NDF: 67037.3/95

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

asym_usl_correction_mean vs Slug



Right In: -382.141 $\pm$ 318.619 χ^2/NDF : 28.7/21

Left Out: -845.009 $\pm$ 361.141 χ^2/NDF : 43.2/23

Right Out: 9.429 $\pm$ 303.348 χ^2/NDF : 38.2/26

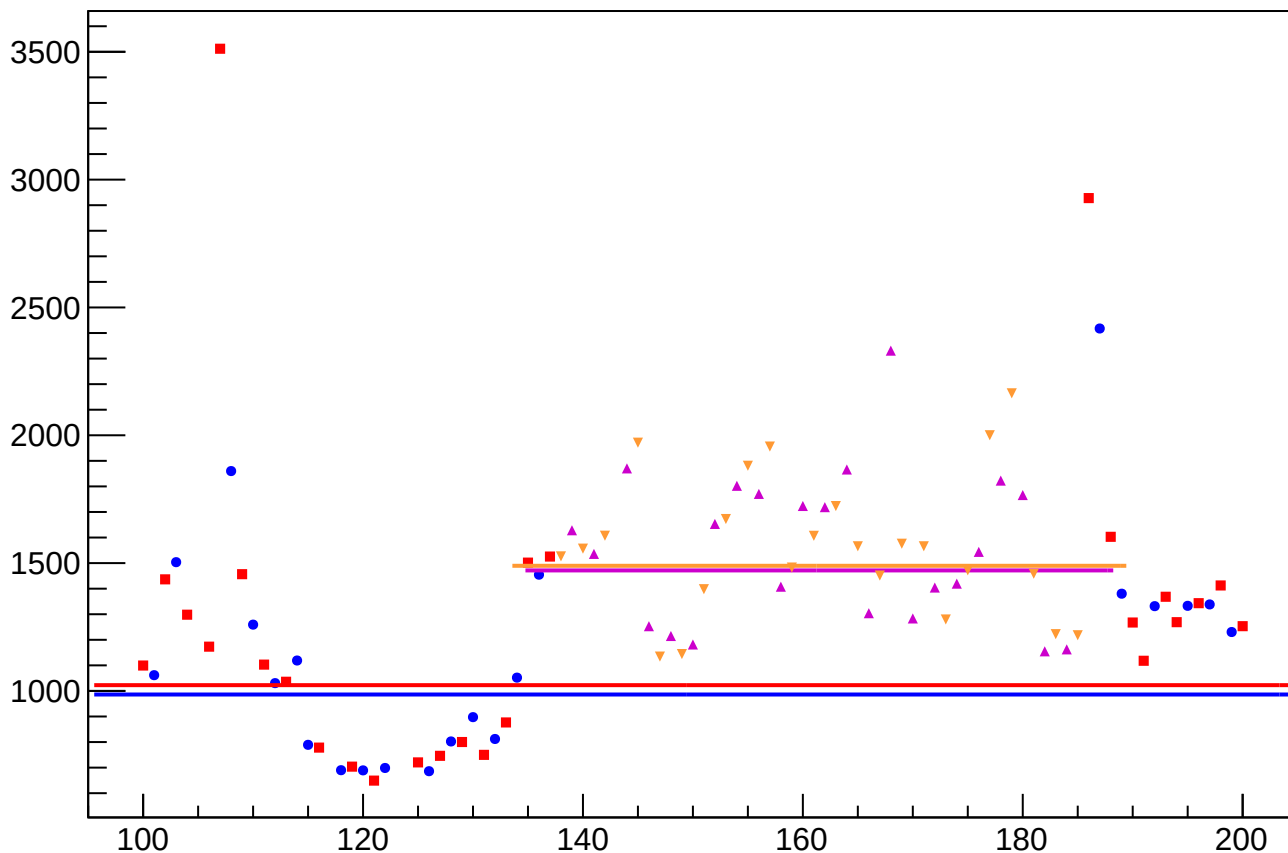
Left In: -65.738 $\pm$ 358.785 χ^2/NDF : 12.1/22

+ sign -584.733 $\pm$ 238.924 χ^2/NDF : 72.8/45

All: -294.618 $\pm$ 166.313 χ^2/NDF : 126.1/95

- sign -21.905 $\pm$ 231.648 χ^2/NDF : 50.4/49

asym_usl_correction_rms vs Slug



Right In: 986.006+/-0.225 χ^2/NDF : 1773896.3/21

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

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

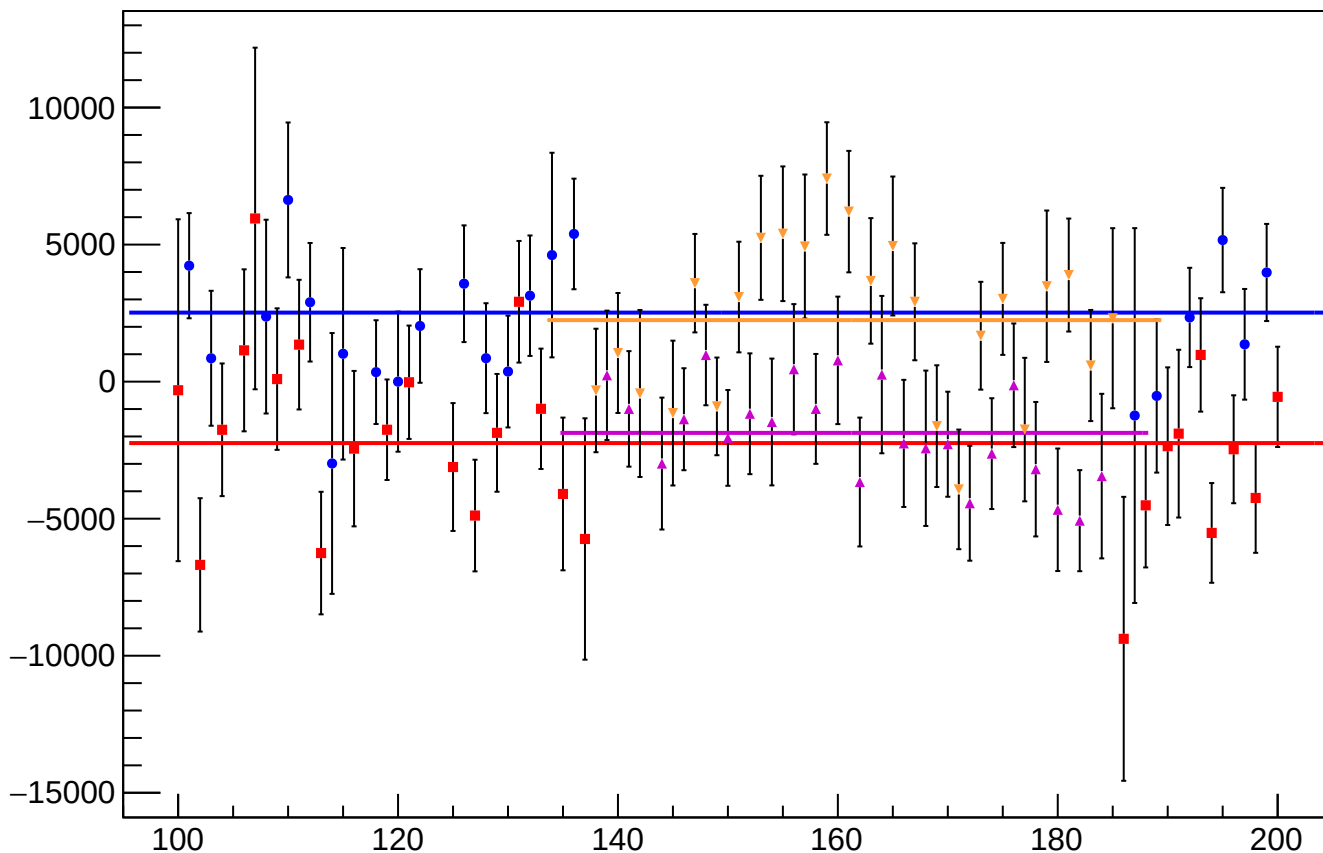
Left In: 1471.394+/-0.254 χ^2/NDF :1105310.5/22

+ sign 1206.383+/-0.169 χ^2/NDF : 4969141.7/45

All: 1208.080+/-0.118 χ^2/NDF : 10549335.7/9

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

asym_usl_mean vs Slug



Right In: 2518.775 $\pm$ 490.324 χ^2/NDF : 16.1/21

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

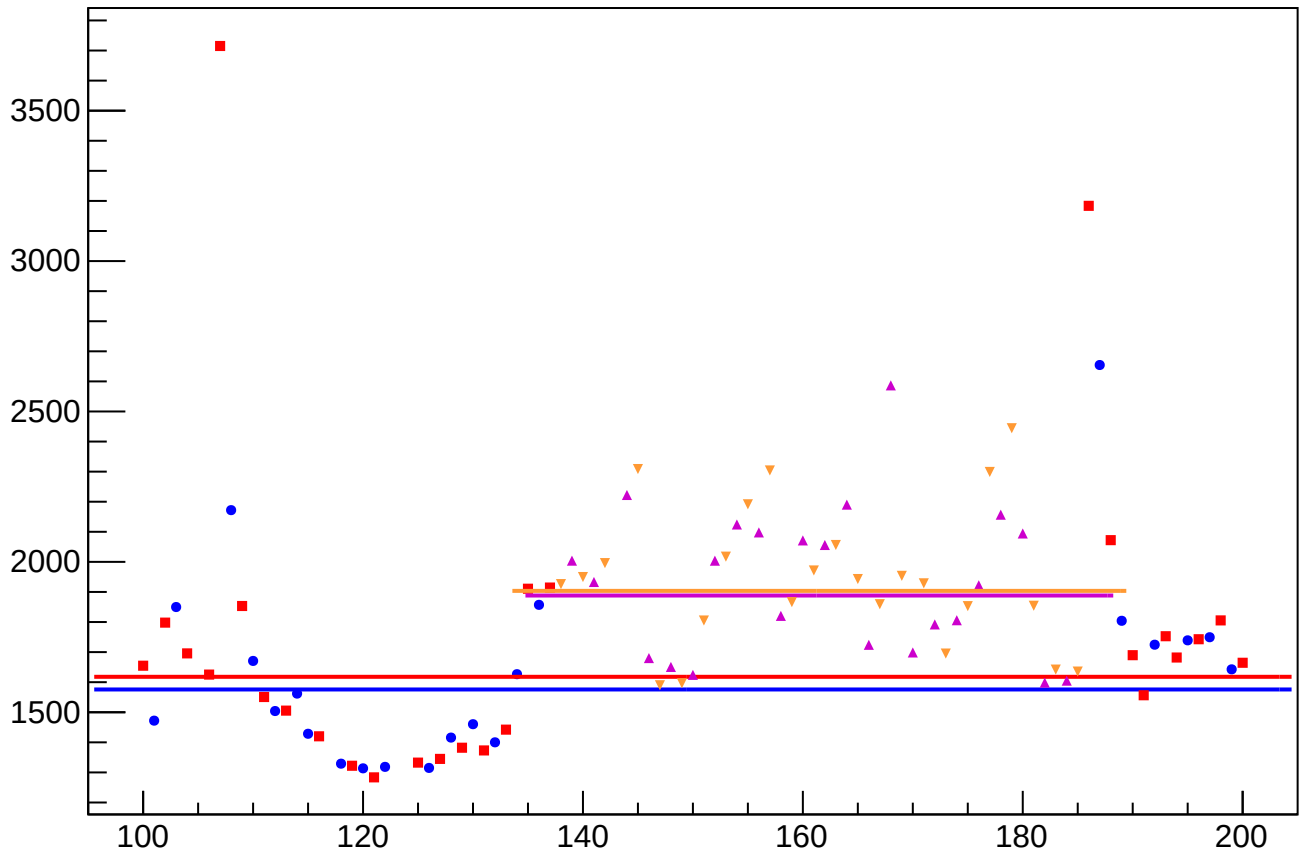
Left In: -1869.792 $\pm$ 455.465 χ^2/NDF : 14.9/22

+ sign 2371.799 $\pm$ 334.102 χ^2/NDF : 54.9/45

All: 88.933 $\pm$ 232.474 χ^2/NDF : 193.8/95

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

asym_usl_rms vs Slug



Right In: 1575.765 ± 0.347 χ^2/NDF : 390910.9/21

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

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

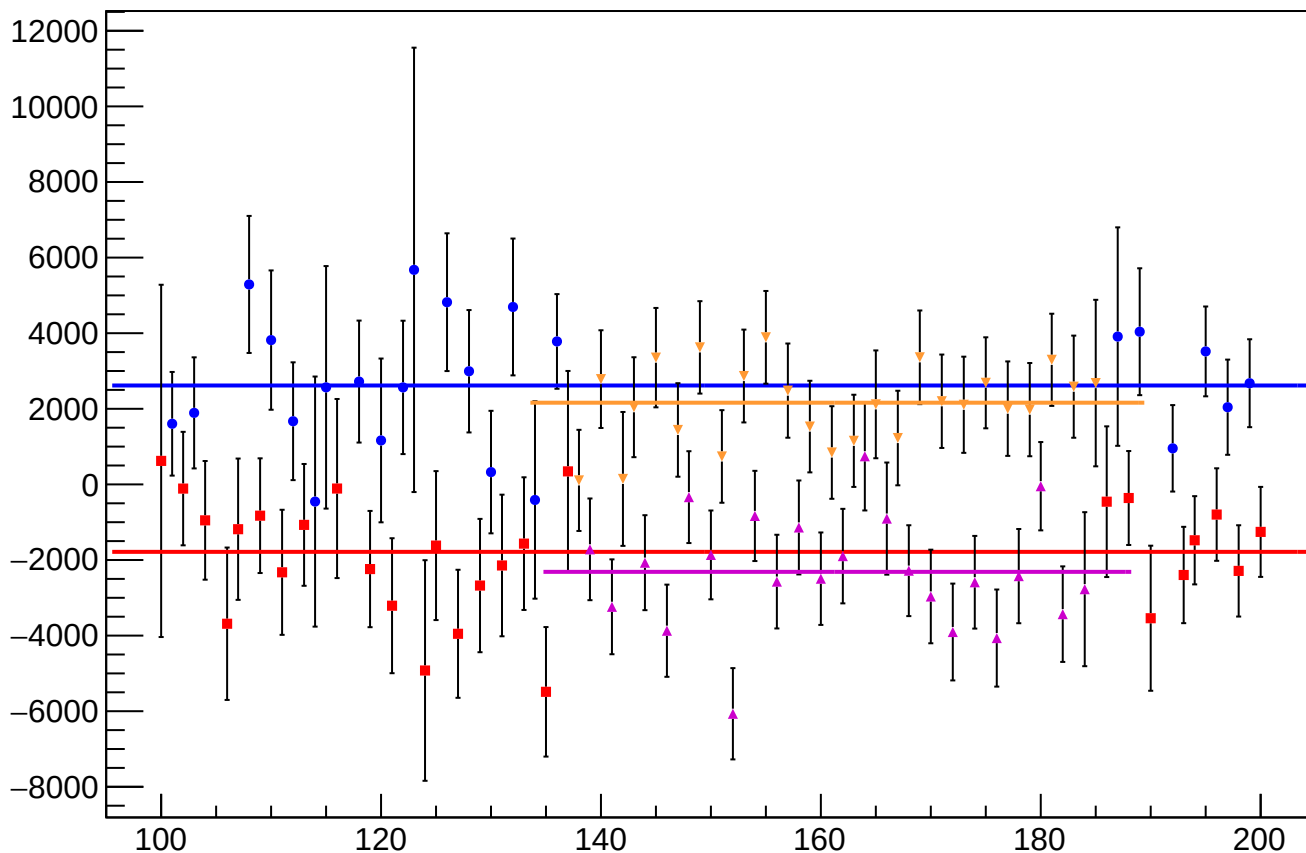
Left In: 1888.121 ± 0.322 χ^2/NDF : 504568.6/22

+ sign 1751.378 ± 0.236 χ^2/NDF : 1331606.3/45

All: 1752.921 ± 0.164 χ^2/NDF : 3022964.9/95

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

reg_asym_usr_mean vs Slug



Right In: 2616.588 $\pm$ 340.733 χ^2 /NDF: 16.2/22

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

Right Out: -1784.408 $\pm$ 312.429 χ^2 /NDF: 17.0/26

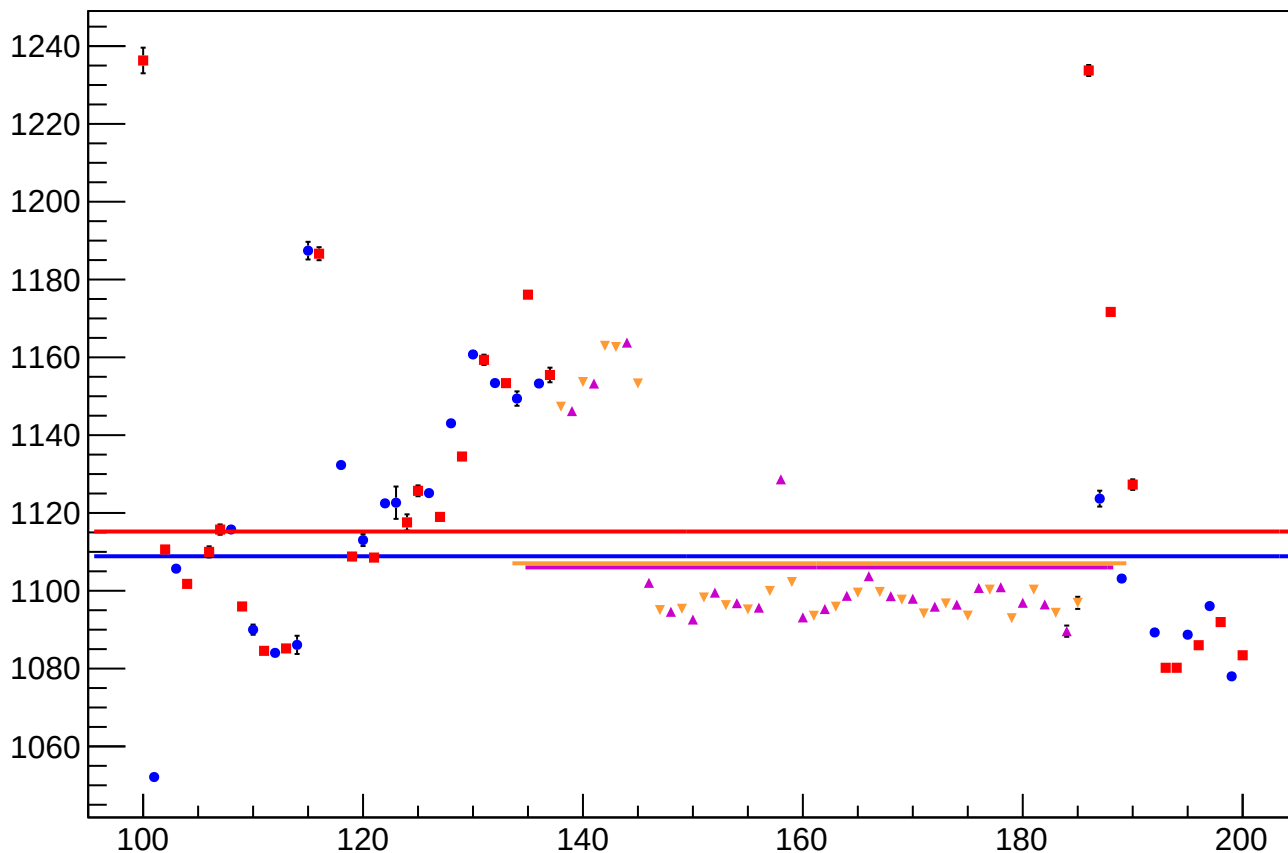
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2326.897 $\pm$ 205.443 χ^2 /NDF: 32.4/47

All: 78.017 $\pm$ 143.980 χ^2 /NDF: 317.9/97

- sign -2092.680 $\pm$ 201.840 χ^2 /NDF: 50.0/49

reg_asym_usr_rms vs Slug



Right In: 1108.868 $\pm$ 0.241 χ^2 /NDF: 16195.1/22

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

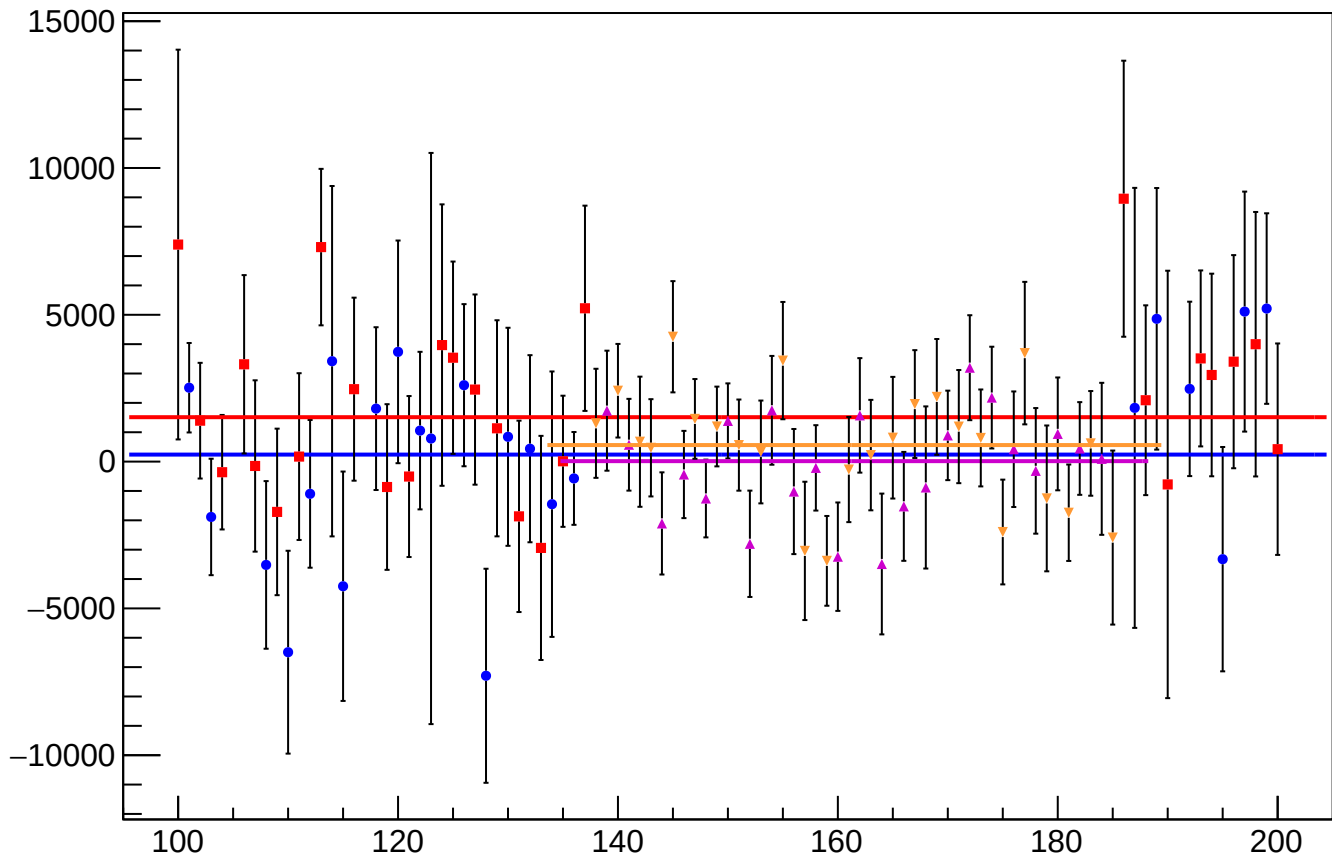
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

+ sign 1107.715 $\pm$ 0.145 χ^2 /NDF: 31406.6/47

All: 1108.802 $\pm$ 0.102 χ^2 /NDF: 72444.0/97

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

asym_usr_correction_mean vs Slug



Right In: 238.835 ± 605.871 χ^2/NDF : 23.8/22

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

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

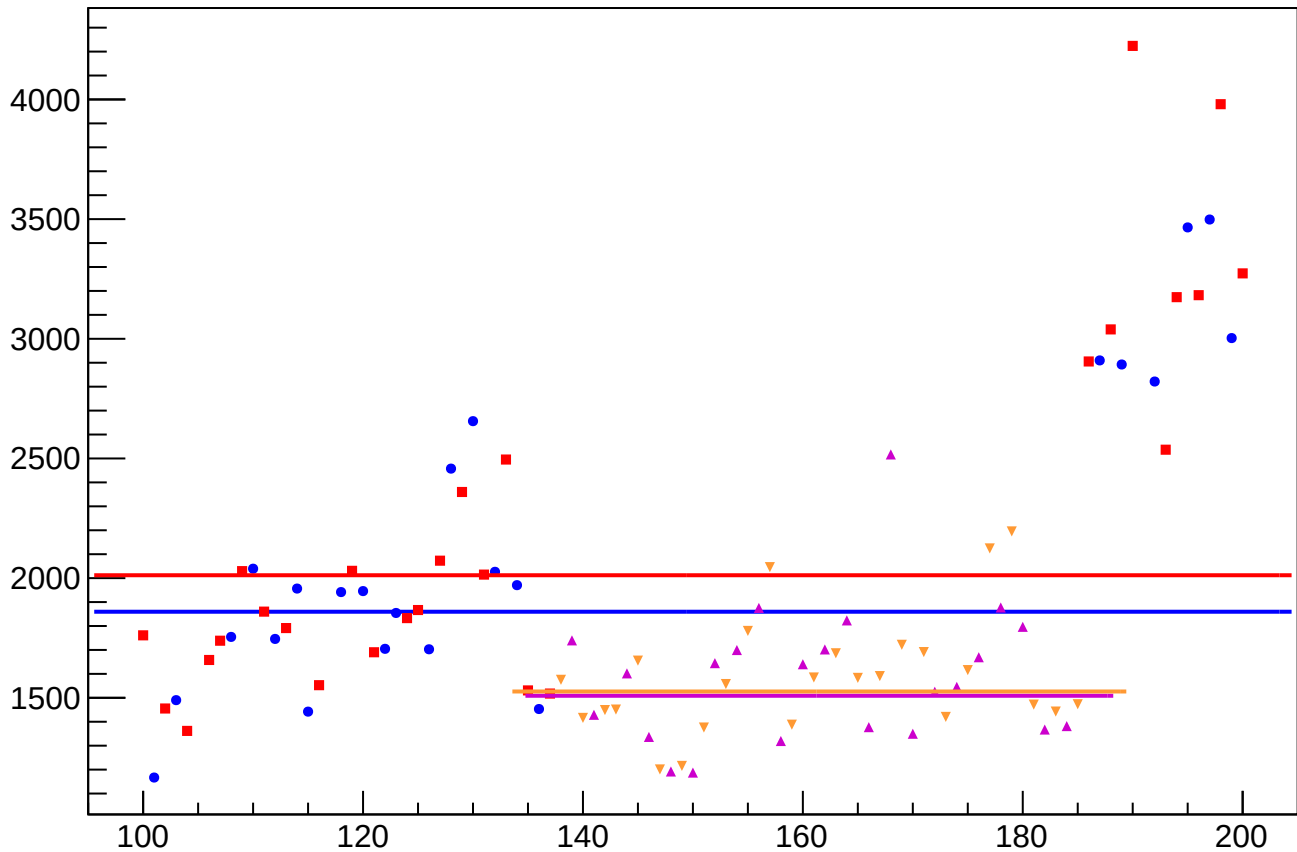
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 478.310 ± 310.061 χ^2/NDF : 50.8/47

All: 453.463 ± 220.002 χ^2/NDF : 94.2/97

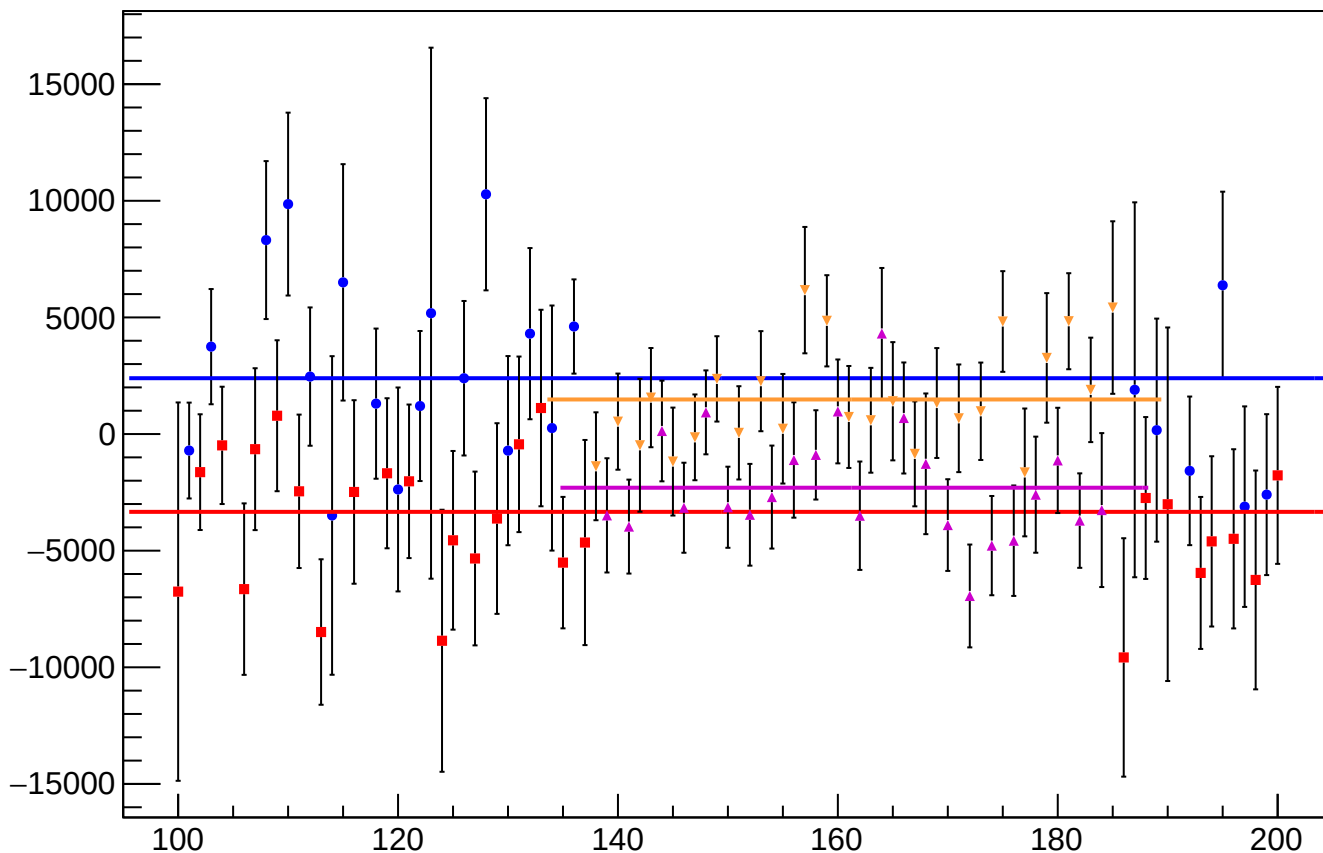
- sign 428.271 ± 312.210 χ^2/NDF : 43.4/49

asym_usr_correction_rms vs Slug



Right In: 1859.647 $\pm$ 0.428 χ^2 /NDF: 2098942.9/22 + sign 1613.670 $\pm$ 0.219 χ^2 /NDF: 3299281.1/47
 Left Out: 1526.391 $\pm$ 0.255 χ^2 /NDF: 753714.4/24 All: 1630.423 $\pm$ 0.156 χ^2 /NDF: 7574336.0/97
 Right Out: 2012.094 $\pm$ 0.420 χ^2 /NDF: 2292811.8/26 - sign 1647.409 $\pm$ 0.221 χ^2 /NDF: 4263296.2/49
 Left In: 1508.581 $\pm$ 0.259 χ^2 /NDF: 931684.8/22

asym_usr_mean vs Slug



Right In: 2393.860 ± 724.521 $\chi^2/\text{NDF}: 24.6/22$

Left Out: 1482.365 ± 449.983 $\chi^2/\text{NDF}: 20.9/24$

Right Out: -3335.613 ± 695.993 $\chi^2/\text{NDF}: 14.9/26$

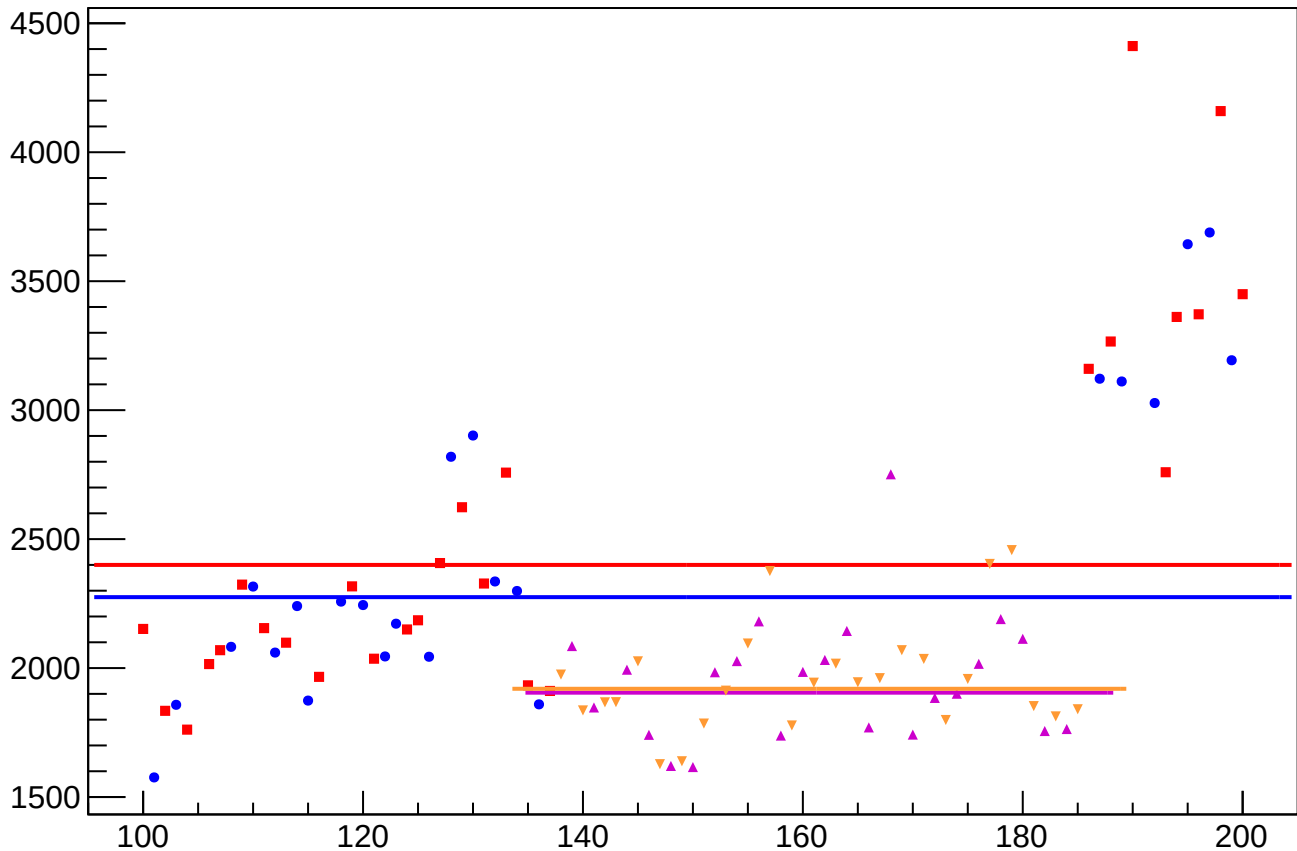
Left In: -2301.247 ± 459.040 $\chi^2/\text{NDF}: 24.8/22$

+ sign 1736.091 ± 382.257 $\chi^2/\text{NDF}: 46.6/47$

All: -434.004 ± 270.629 $\chi^2/\text{NDF}: 152.5/97$

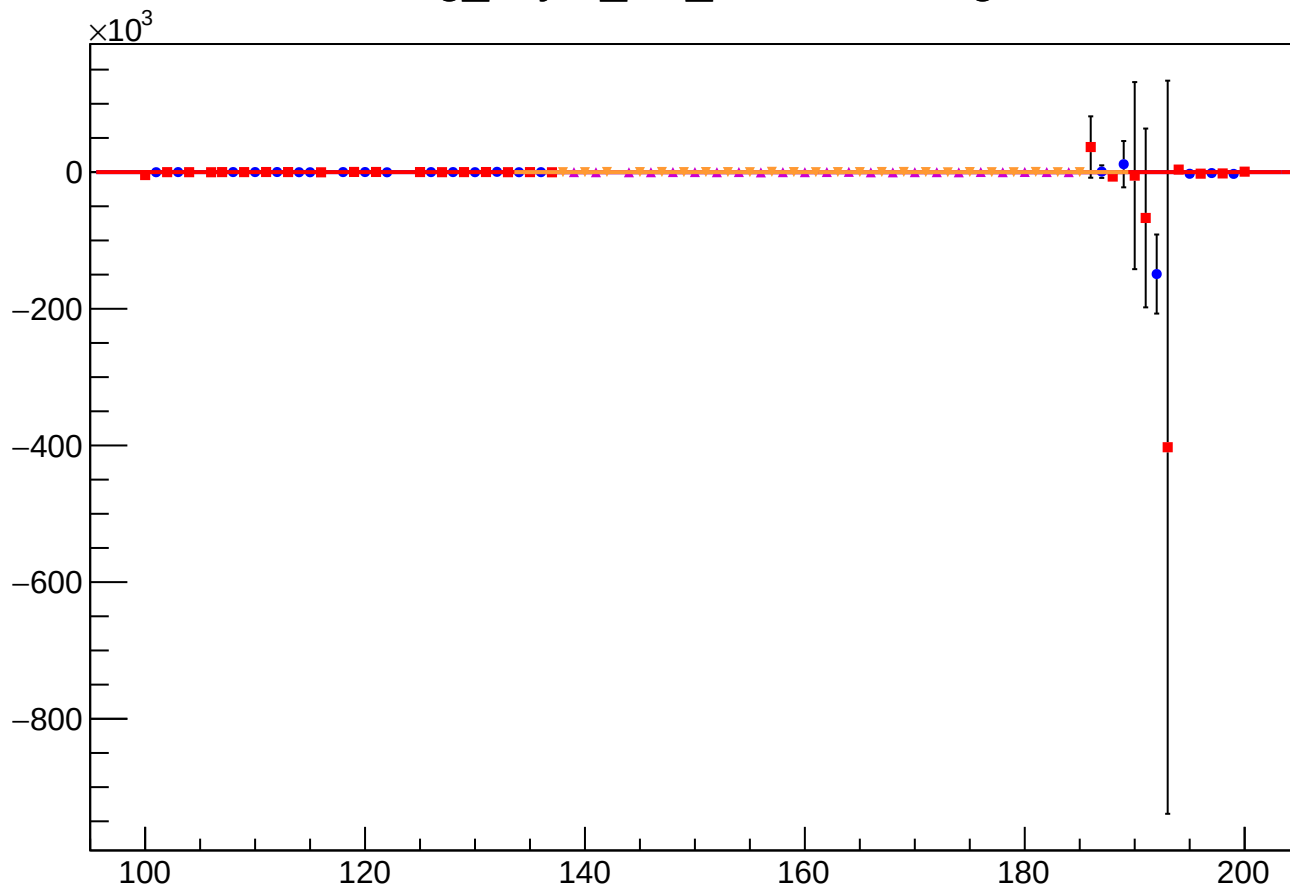
- sign -2614.801 ± 383.199 $\chi^2/\text{NDF}: 41.3/49$

asym_usr_rms vs Slug



Right In: 2275.028+/-0.512	χ^2/NDF : 1292423.3/22	+ sign 2018.633+/-0.270	χ^2/NDF : 2005721.2/47
Left Out: 1919.732+/-0.318	χ^2/NDF : 366218.1/24	All: 2036.663+/-0.191	χ^2/NDF : 4670244.8/97
Right Out: 2399.960+/-0.492	χ^2/NDF : 1502326.4/26	- sign 2054.782+/-0.271	χ^2/NDF : 2655602.7/49
Left In: 1904.629+/-0.325	χ^2/NDF : 447350.7/22		

reg_asym_dsl_mean vs Slug



Right In: -1.266 ± 36.767 χ^2/NDF : 24.1/21

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

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

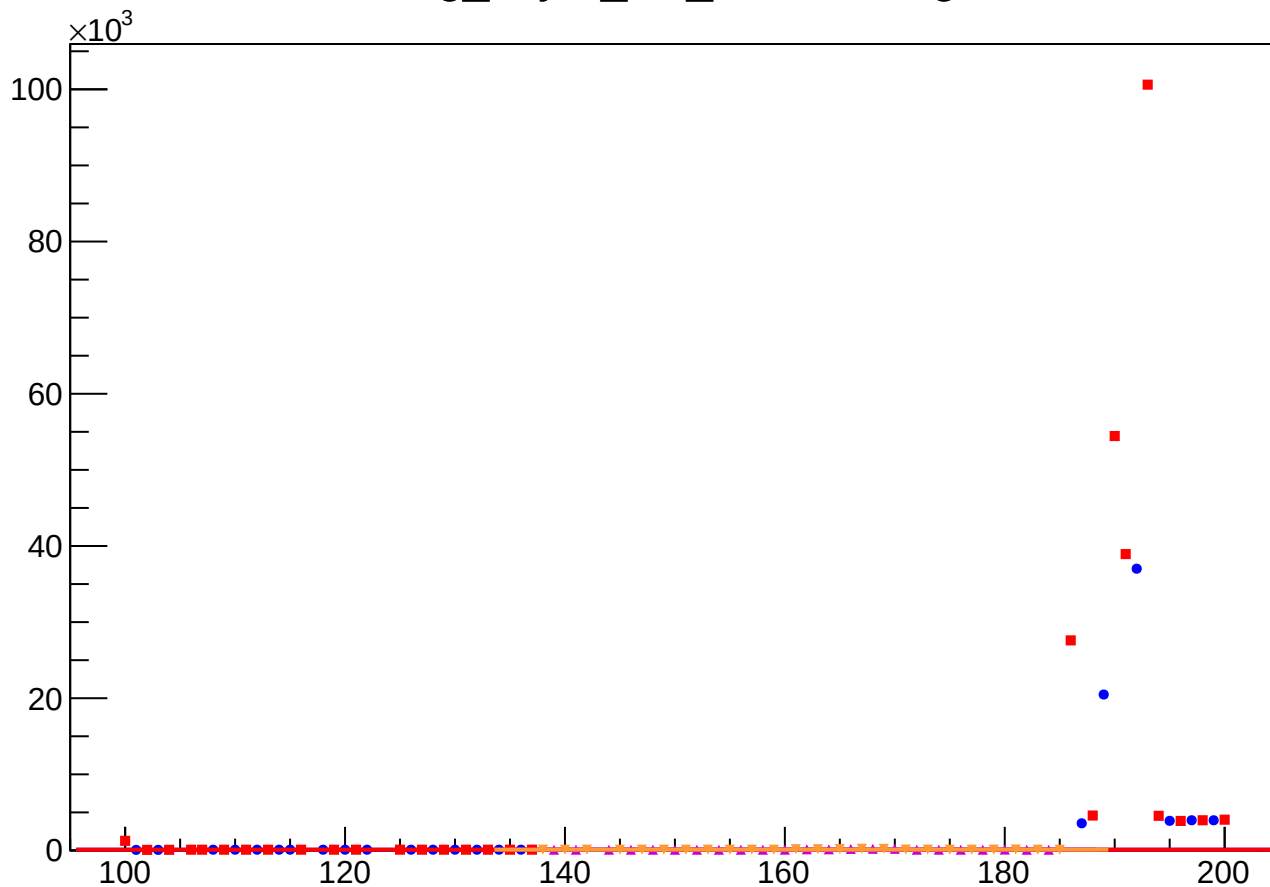
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.691 ± 21.369 χ^2/NDF : 60.0/45

All: -4.639 ± 15.125 χ^2/NDF : 114.8/95

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

reg_asym_dsl_rms vs Slug



Right In: 94.963 $\pm$ 0.026 χ^2 /NDF: 6664104.6/21

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

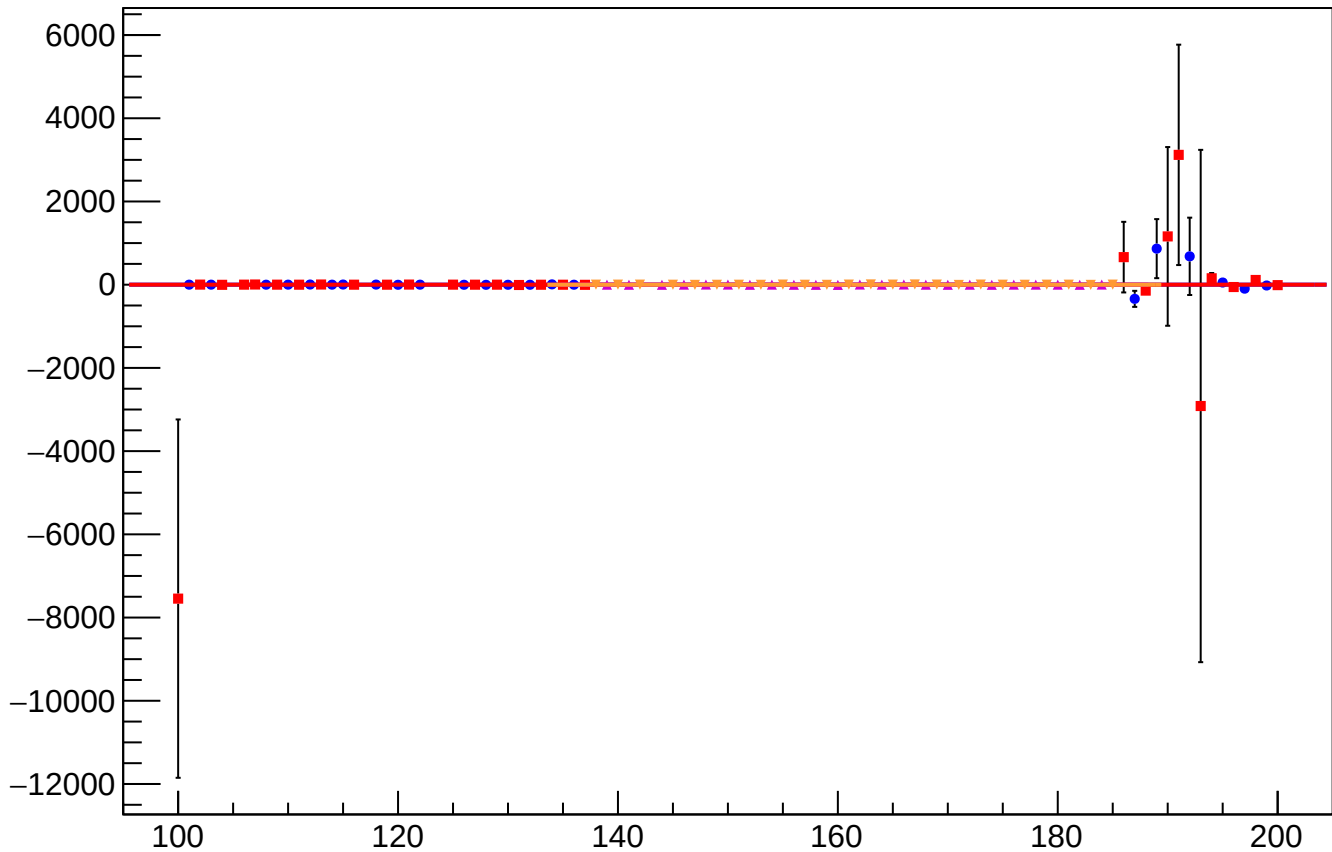
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.636 $\pm$ 0.015 χ^2 /NDF: 8267116.1/45

All: 103.929 $\pm$ 0.011 χ^2 /NDF: 18195670.8/95

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

asym_dsl_correction_mean vs Slug



Right In: 0.384 ± 0.617 χ^2/NDF : 17.6/21

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

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

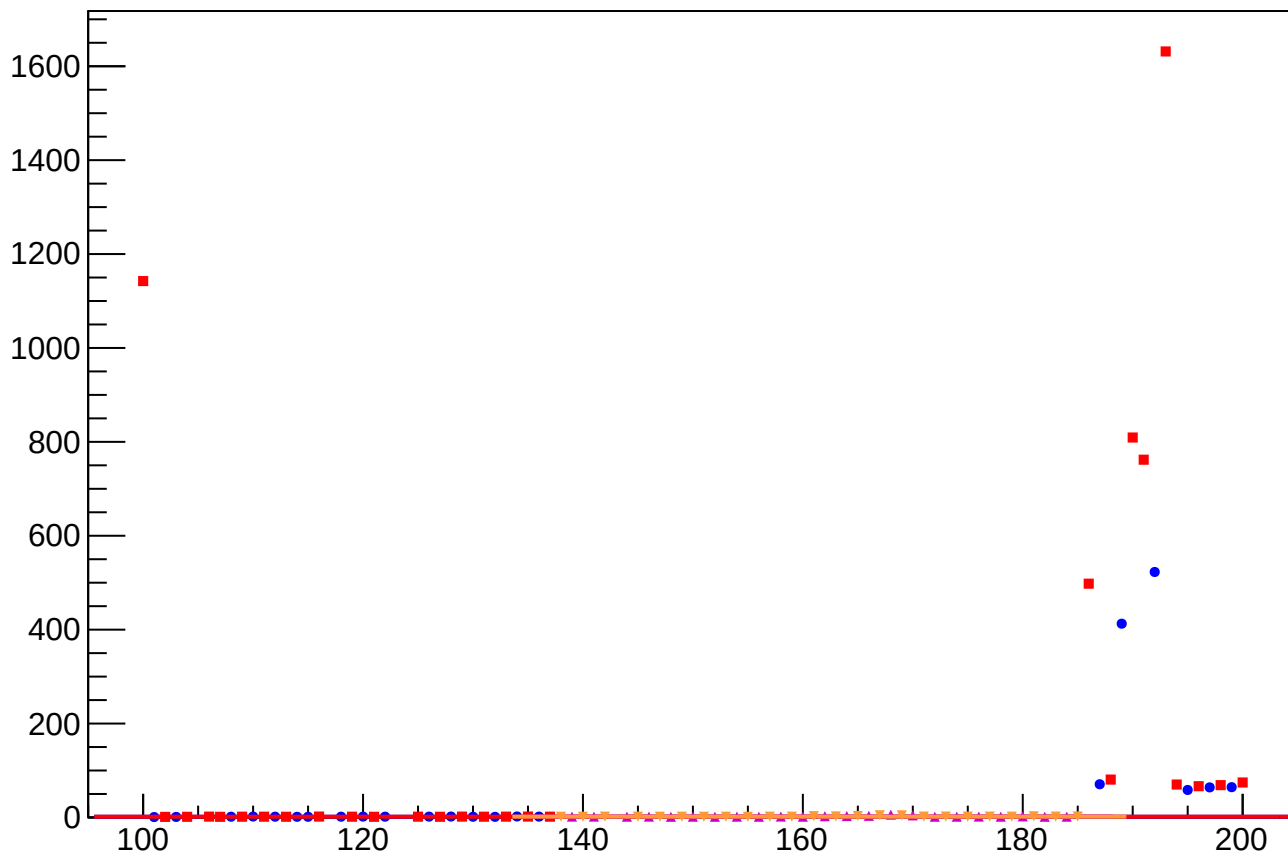
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.193 ± 0.376 χ^2/NDF : 49.5/45

All: -0.017 ± 0.270 χ^2/NDF : 104.5/95

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

asym_dsl_correction_rms vs Slug



Right In: 1.433+/-0.000 χ^2/NDF : 6195309.0/21

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

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

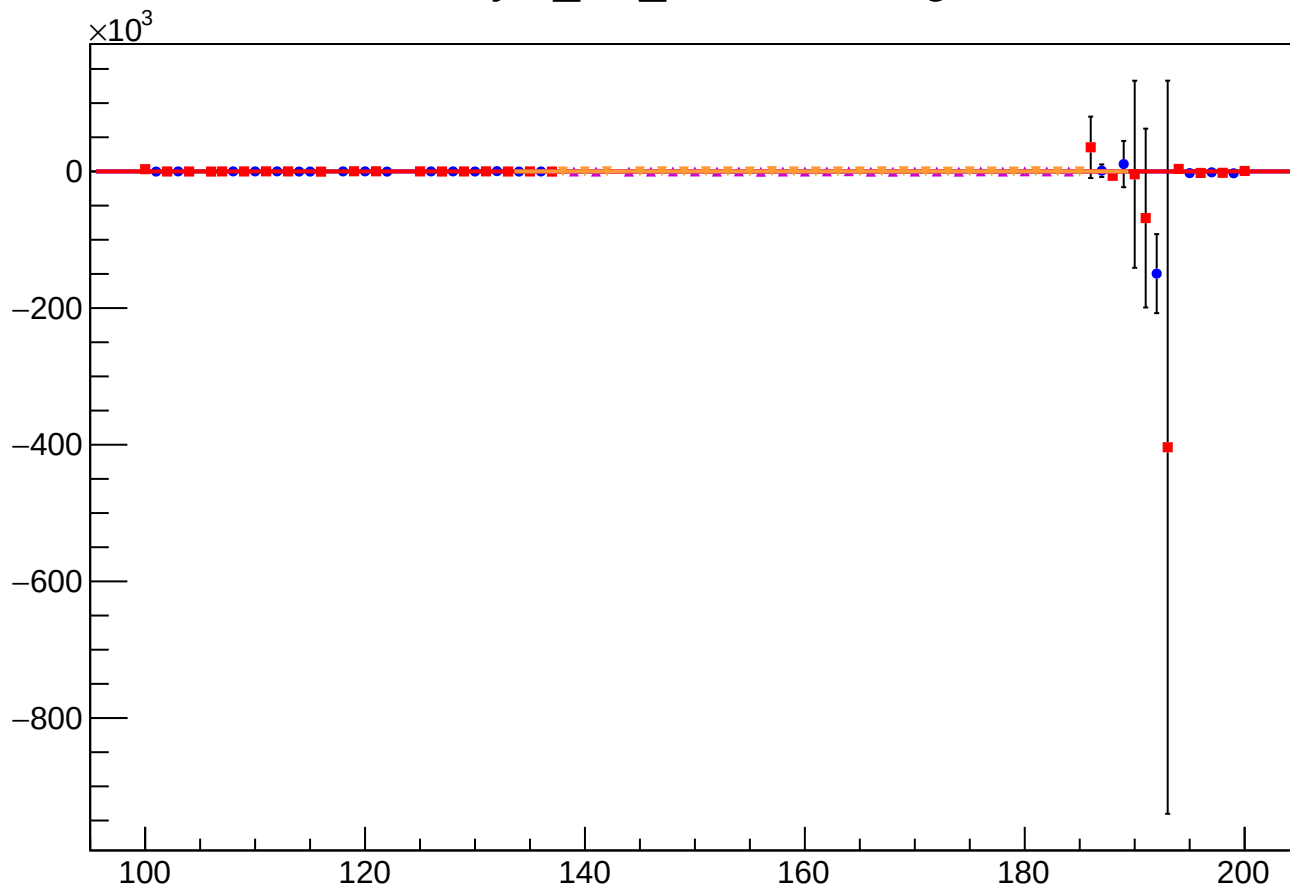
Left In: 1.802+/-0.000 χ^2/NDF :1921298.2/22

+ sign 1.646+/-0.000 χ^2/NDF : 8171241.8/45

All: 1.681+/-0.000 χ^2/NDF : 17732018.3/95

- sign 1.719 $\pm$ 0.000 χ^2 /NDF: 9523513.3/49

asym_dsl_mean vs Slug



Right In: -0.965 ± 36.777 χ^2/NDF : 24.3/21

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

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

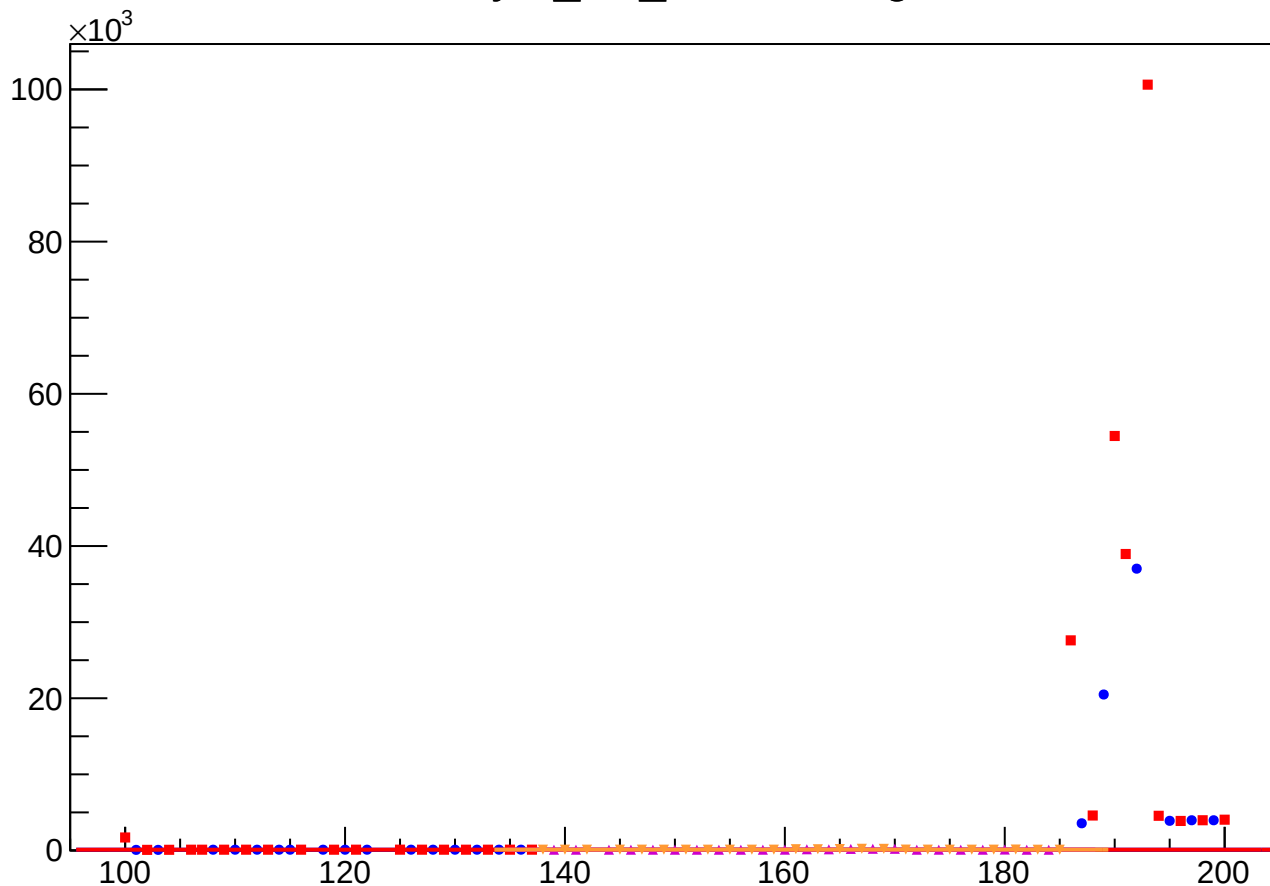
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 8.248 ± 21.375 χ^2/NDF : 60.1/45

All: -4.492 ± 15.129 χ^2/NDF : 113.7/95

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

asym_dsl_rms vs Slug



Right In: 94.988 $\pm$ 0.026 χ^2 /NDF: 6664100.5/21

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

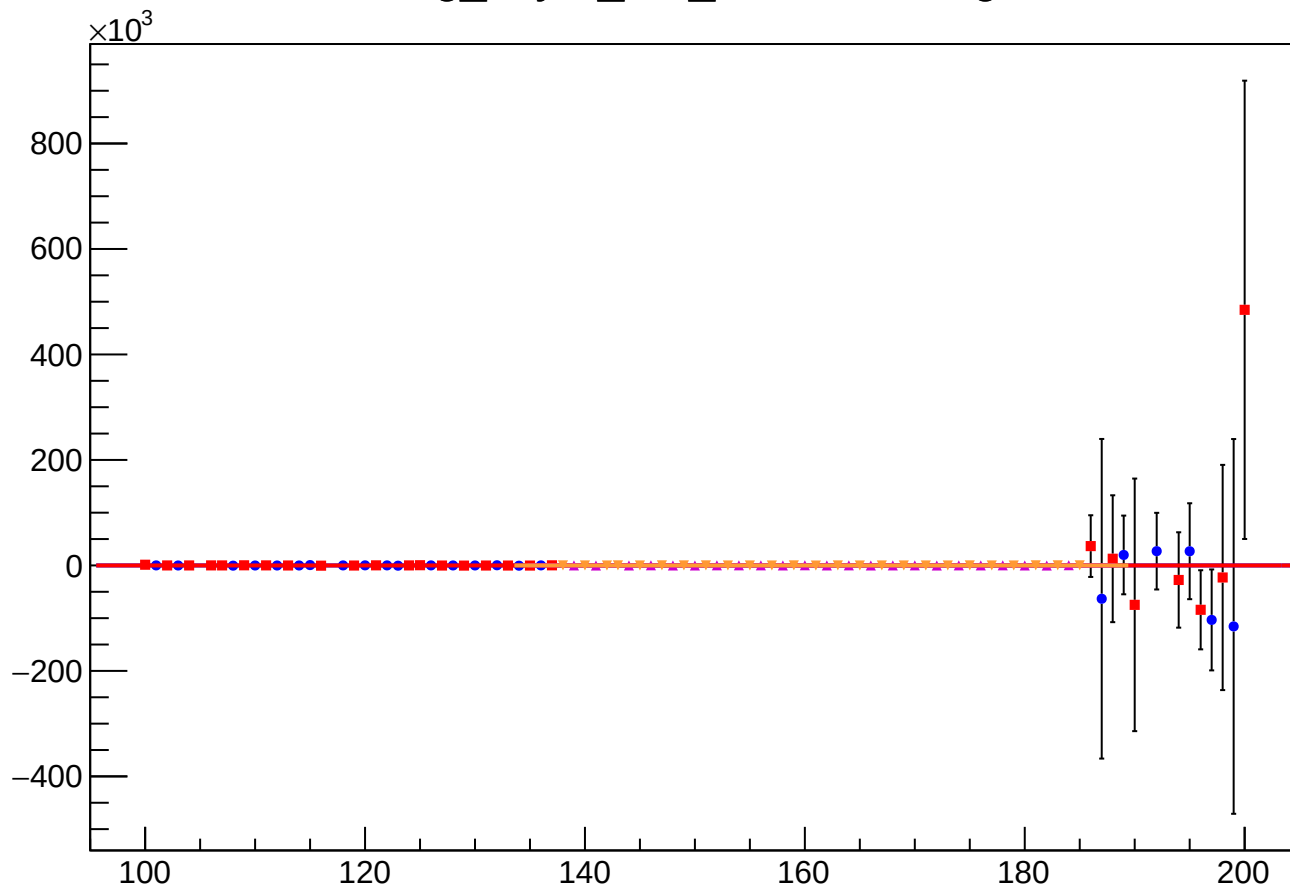
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.664 $\pm$ 0.015 χ^2 /NDF: 8268571.3/45

All: 103.955 $\pm$ 0.011 χ^2 /NDF: 18204020.9/95

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

reg_asym_dsr_mean vs Slug



Right In: -26.799 ± 46.841 χ^2/NDF : 16.0/22

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

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

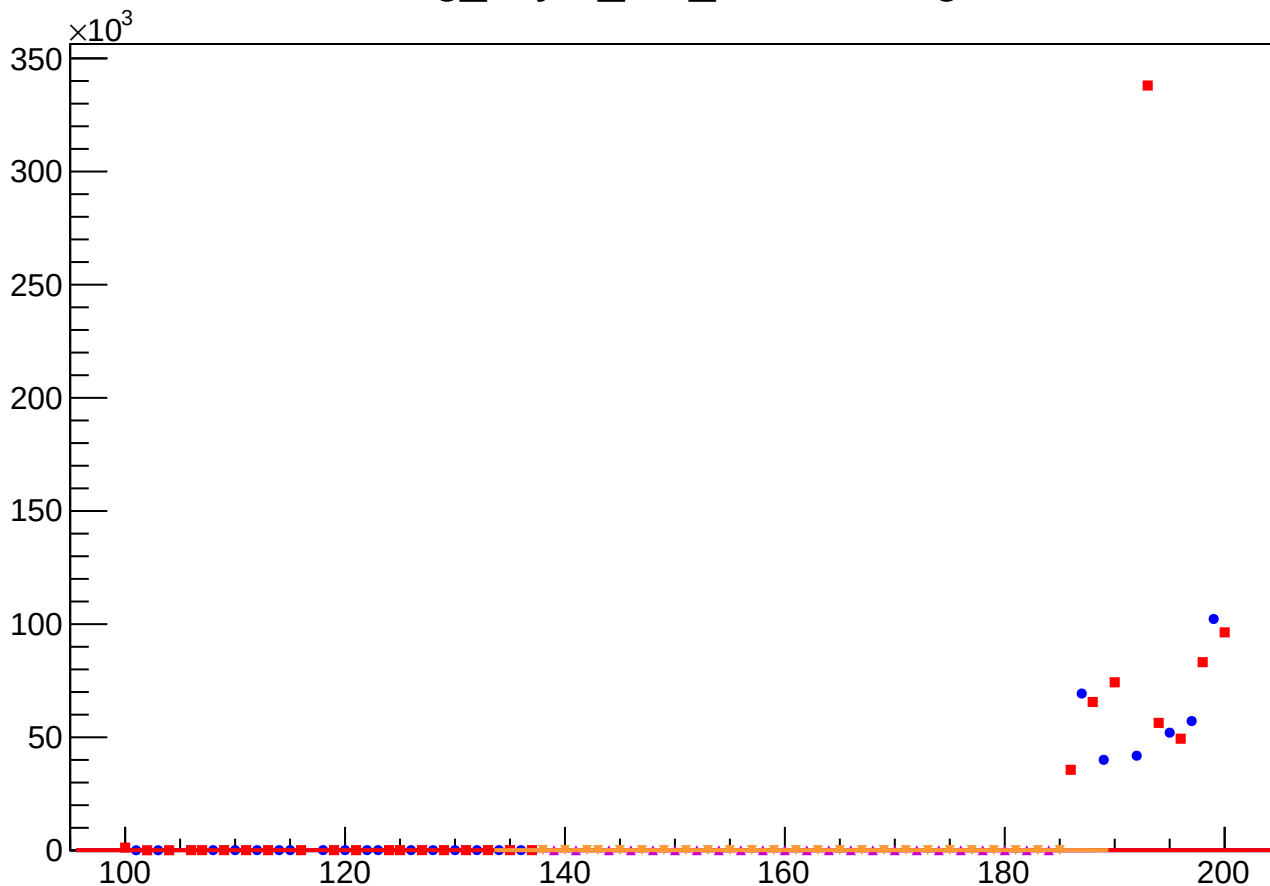
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.287 ± 26.458 χ^2/NDF : 28.1/47

All: 4.344 ± 18.939 χ^2/NDF : 71.5/96

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

reg_asym_dsr_rms vs Slug



Right In: 117.833 $\pm$ 0.033 χ^2 /NDF: 3971331.8/22

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

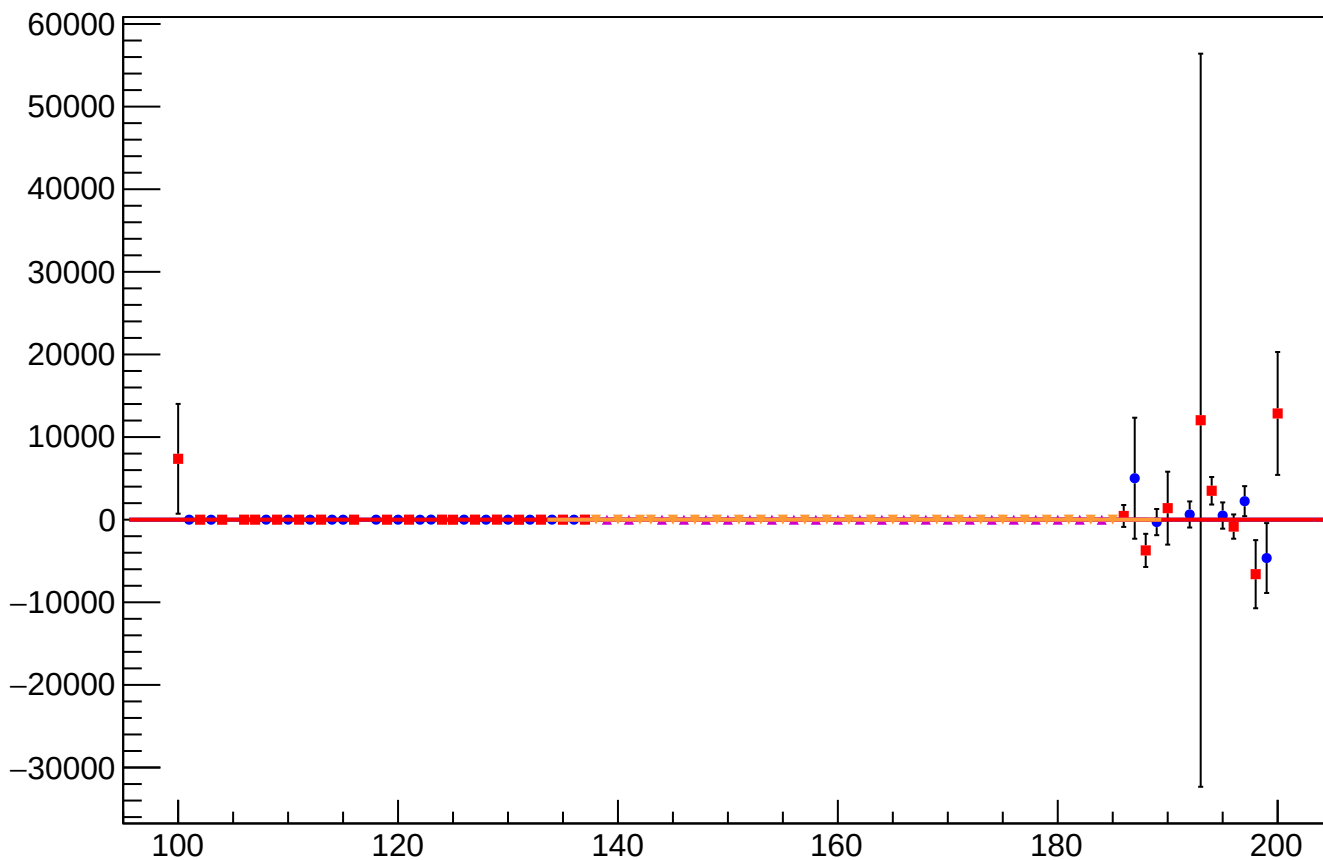
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.468 $\pm$ 0.019 χ^2 /NDF: 4220642.8/47

All: 132.516 $\pm$ 0.013 χ^2 /NDF: 8956735.4/97

- 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 : 15.7/22

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

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

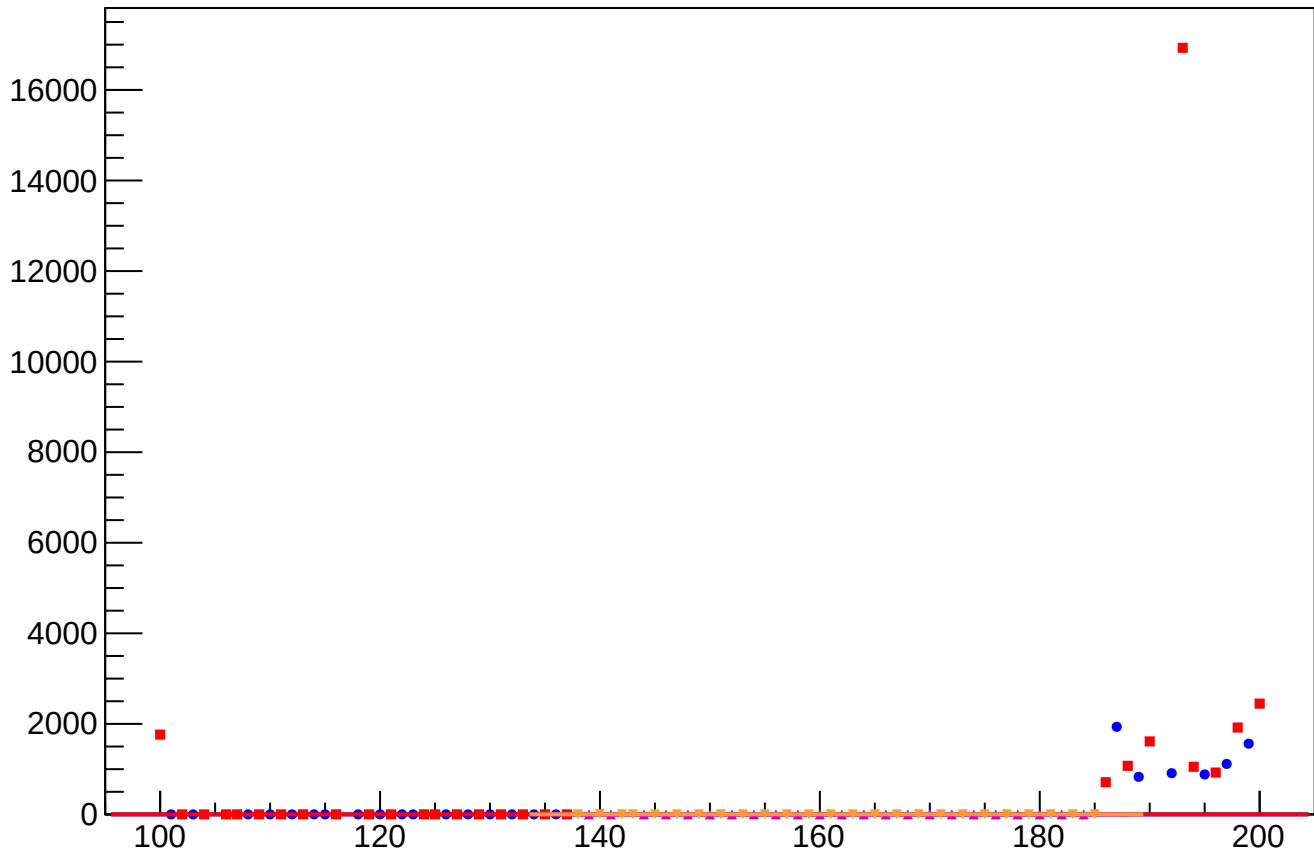
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 46.1/47

All: 0.046 ± 0.334 χ^2/NDF : 96.3/97

- 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: 3475716.2/22

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

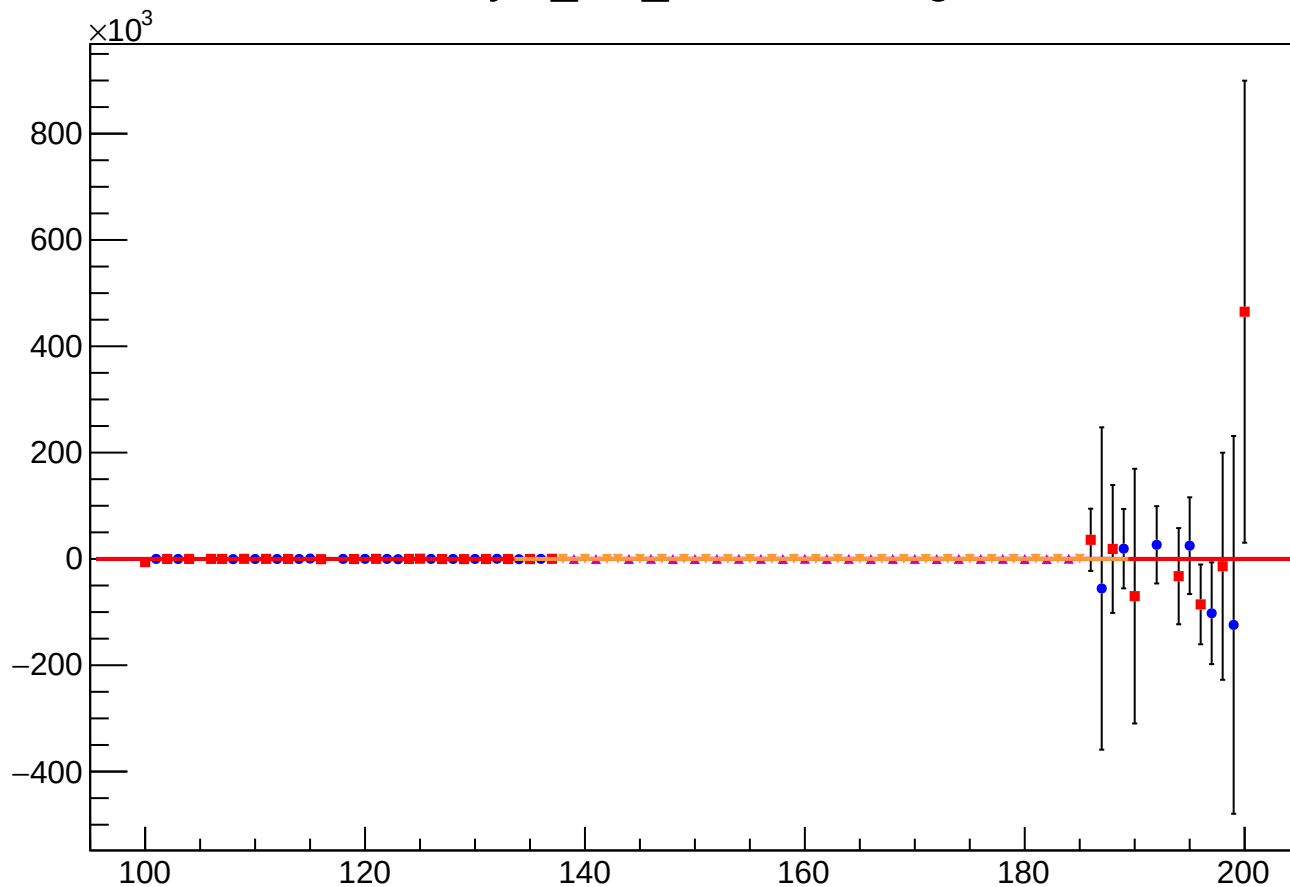
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 4169012.7/47

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 9174974.2/97

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

asym_dsr_mean vs Slug



Right In: -25.062 ± 46.854 χ^2/NDF : 16.1/22

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

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

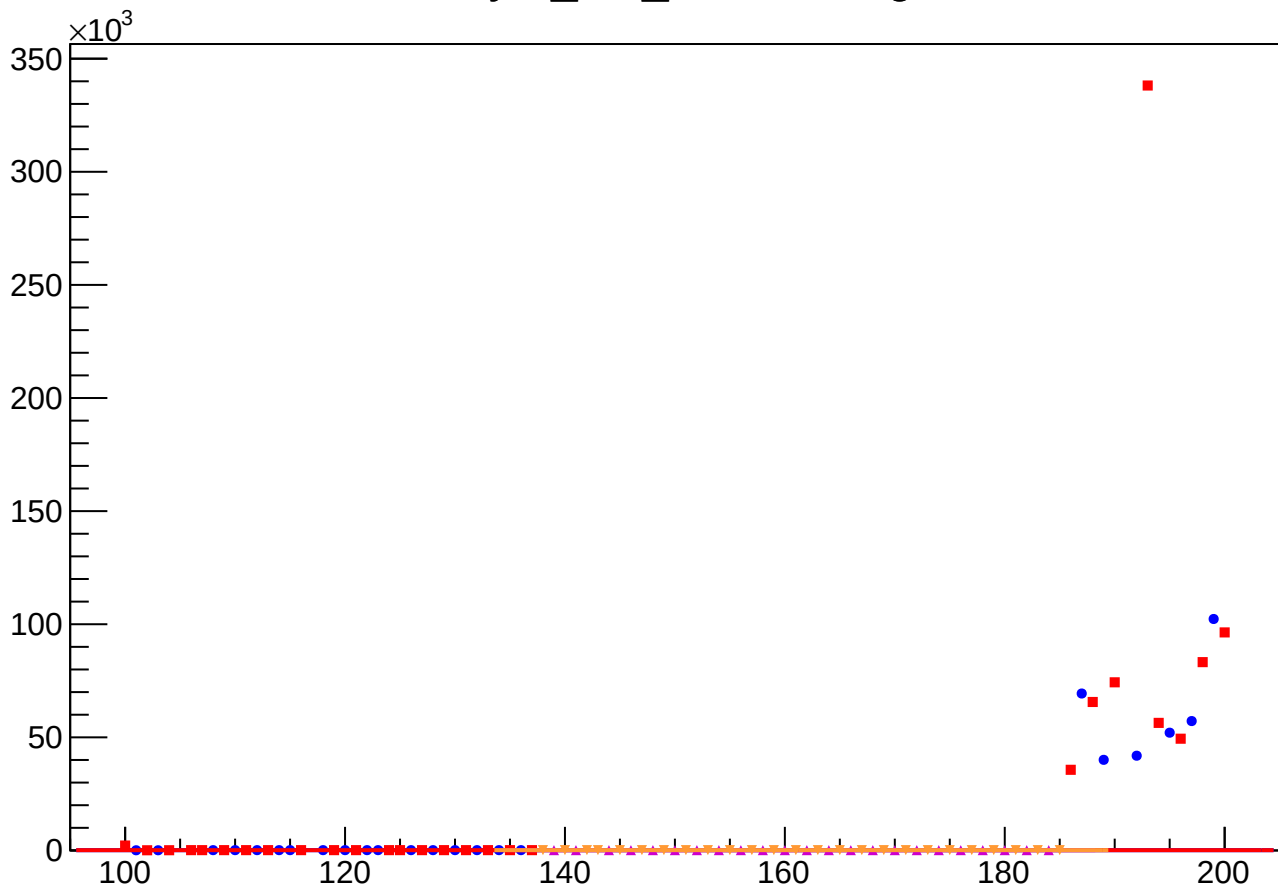
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.109 ± 26.465 χ^2/NDF : 27.9/47

All: 4.259 ± 18.944 χ^2/NDF : 72.0/96

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

asym_dsr_rms vs Slug



Right In: 117.865 $\pm$ 0.033 χ^2 /NDF: 3971410.5/22

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

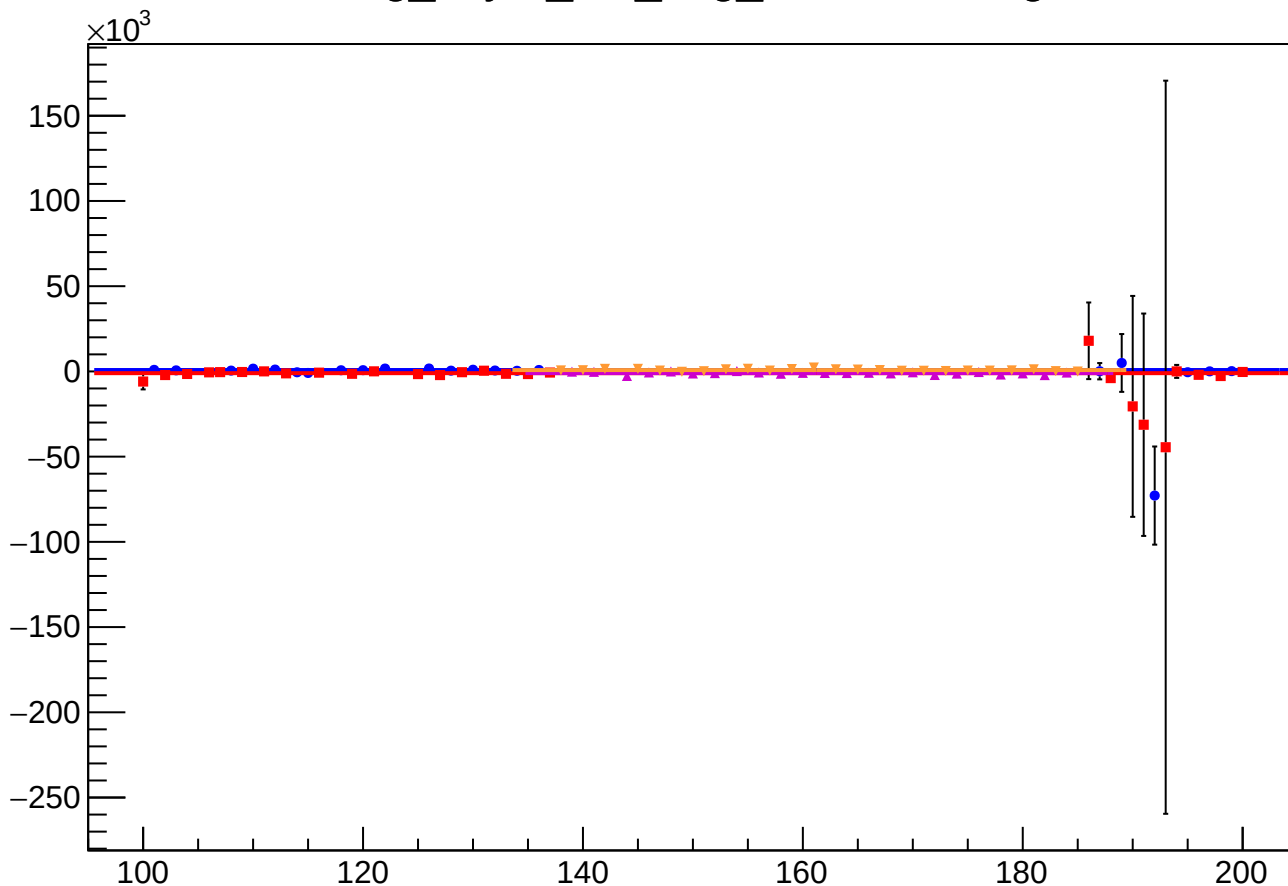
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF: 457.2/22

+ sign 131.504 $\pm$ 0.019 χ^2 /NDF: 4220752.8/47

All: 132.545 $\pm$ 0.013 χ^2 /NDF: 8968107.0/97

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

reg_asym_left_avg_mean vs Slug



Right In: 816.949 $\pm$ 213.507 χ^2 /NDF: 12.4/21

Left Out: 784.371 $\pm$ 134.054 χ^2 /NDF: 19.2/23

Right Out: -1026.459 $\pm$ 209.621 χ^2 /NDF: 17.1/26

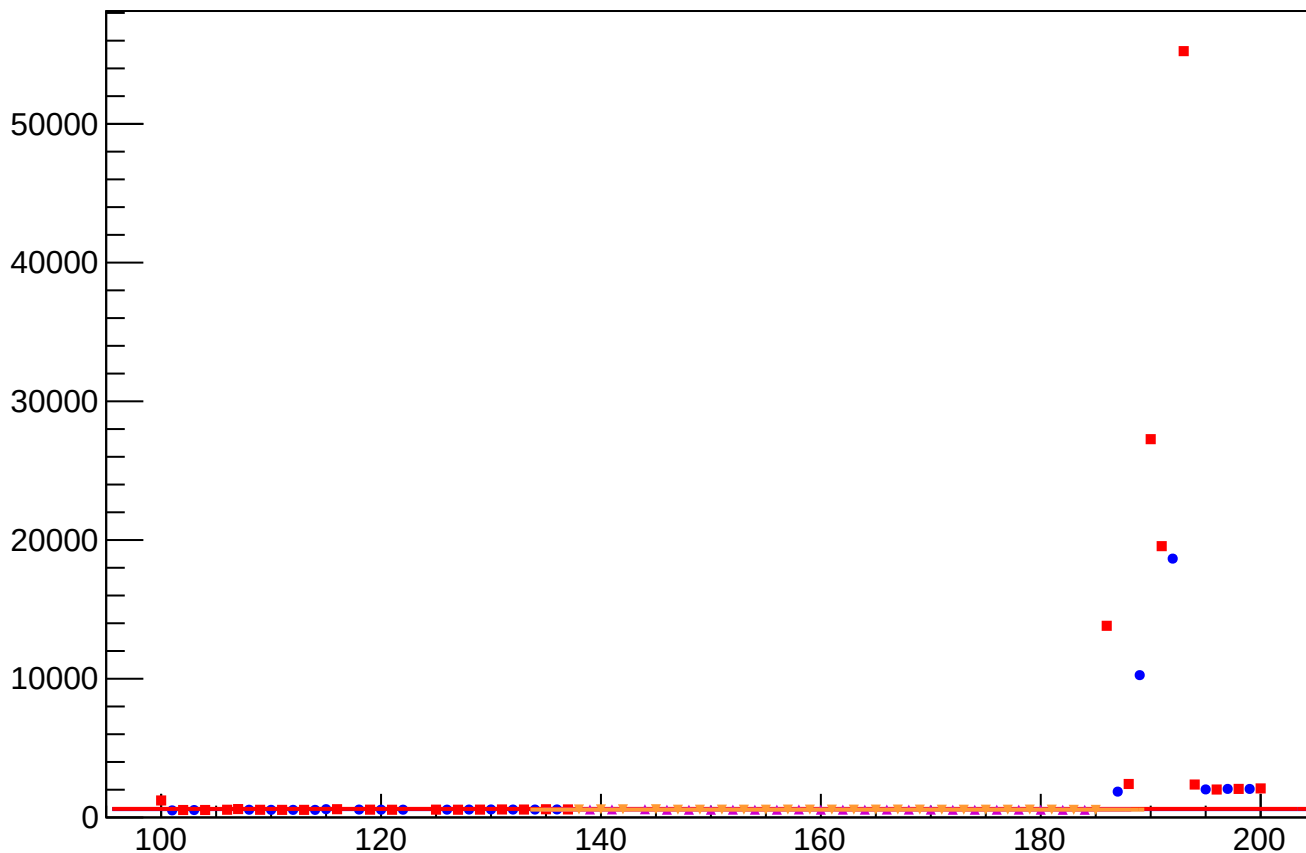
Left In: -974.402 $\pm$ 134.932 χ^2 /NDF: 27.4/22

+ sign 793.582 $\pm$ 113.531 χ^2 /NDF: 31.6/45

All: -98.604 $\pm$ 80.253 χ^2 /NDF: 199.6/95

- sign -989.652 $\pm$ 113.458 χ^2 /NDF: 44.5/49

reg_asym_left_avg_rms vs Slug



Right In: 601.805+/-0.151 χ^2/NDF : 4125950.1/21

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

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

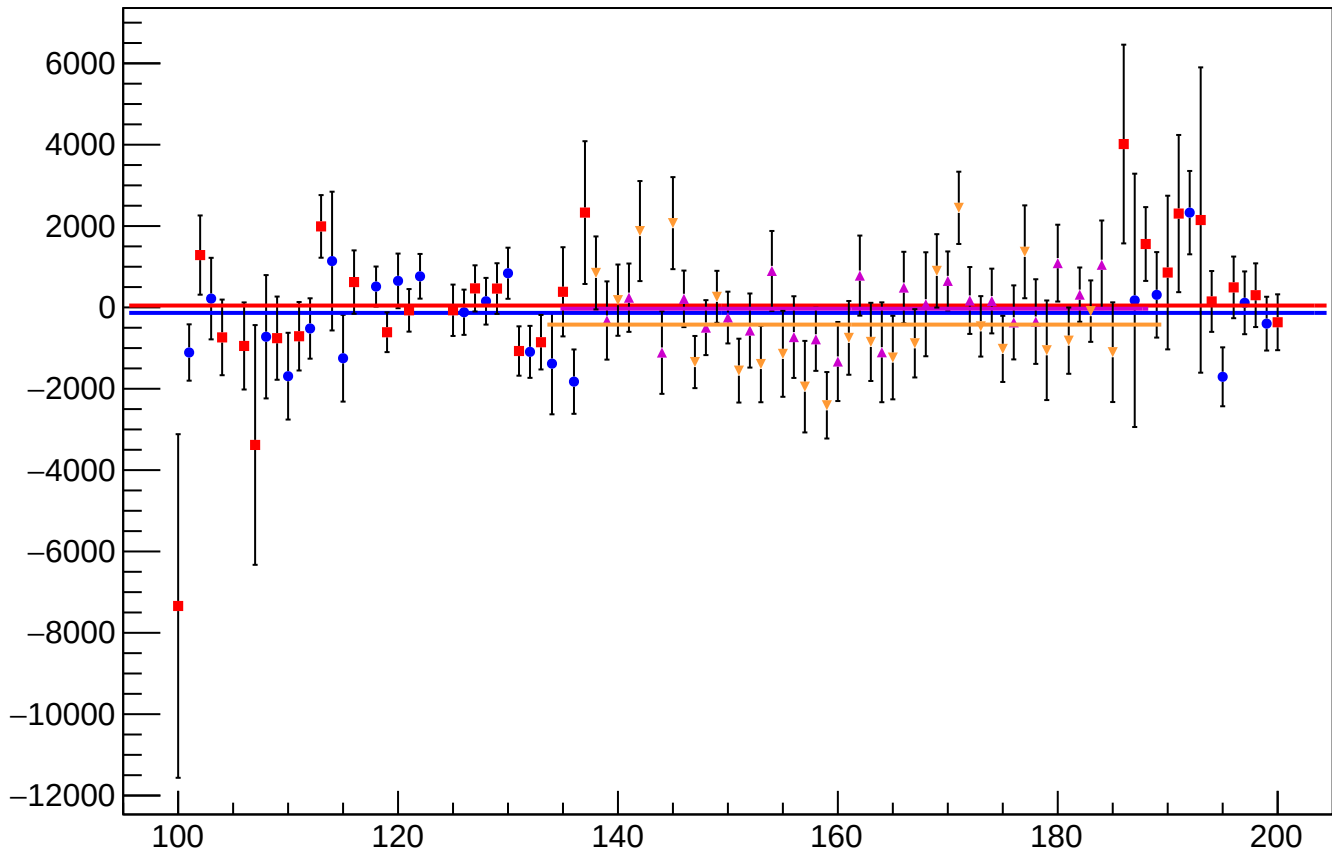
Left In: 564.383+/-0.095 χ^2/NDF :9209.5/22

+ sign 574.792+/-0.080 χ^2/NDF : 4180179.6/45

All: 577.365+/-0.057 χ^2/NDF : 9414136.2/95

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

asym_left_avg_correction_mean vs Slug



Right In: -134.865+/-161.314 χ^2/NDF : 33.5/21

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

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

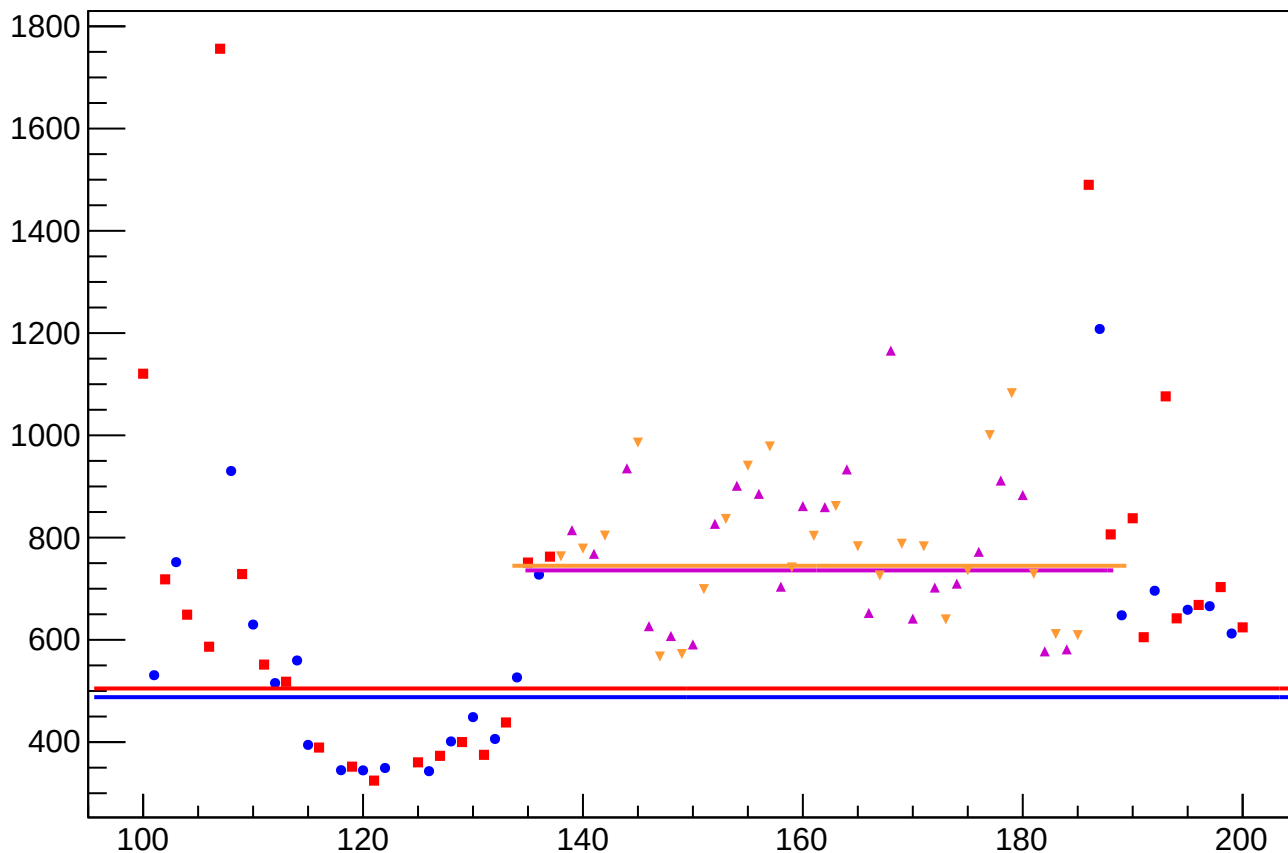
Left In: -32.411+/-179.430 χ^2/NDF : 12.2/22

+ sign -262.583+/-120.312 χ^2/NDF : 78.1/45

All: -123.066+/-84.358 χ^2/NDF : 127.0/95

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

asym_left_avg_correction_rms vs Slug



Right In: 487.878+/-0.114 χ^2/NDF : 1692386.3/21

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

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

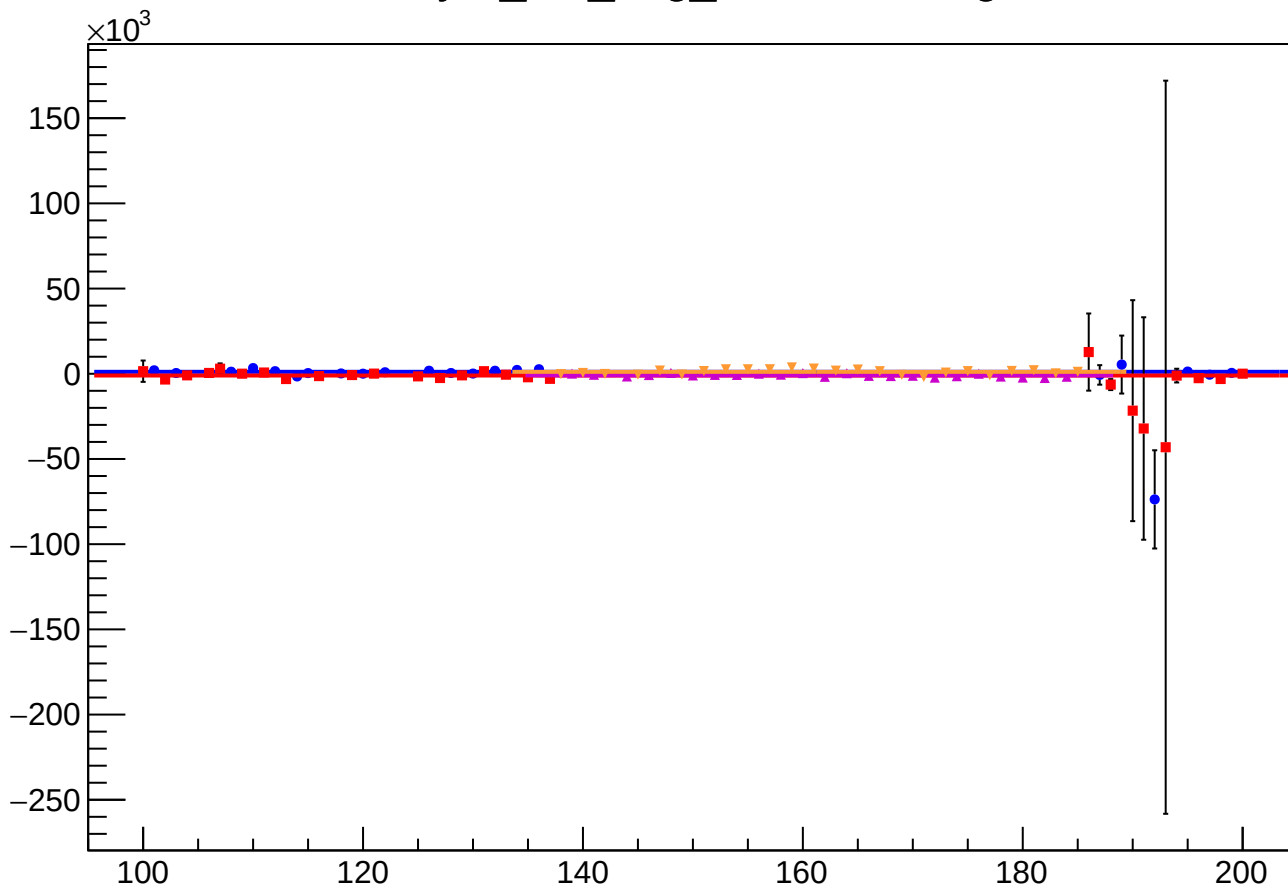
Left In: 735.850+/-0.127 χ^2/NDF :1105405.5/22

+ sign 601.935+/-0.085 χ^2/NDF : 4954391.7/45

All: 603.649+/-0.060 χ^2/NDF : 10605547.4/95

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

asym_left_avg_mean vs Slug



Right In: 1153.274 $\pm$ 289.026 χ^2 /NDF: 19.2/21

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

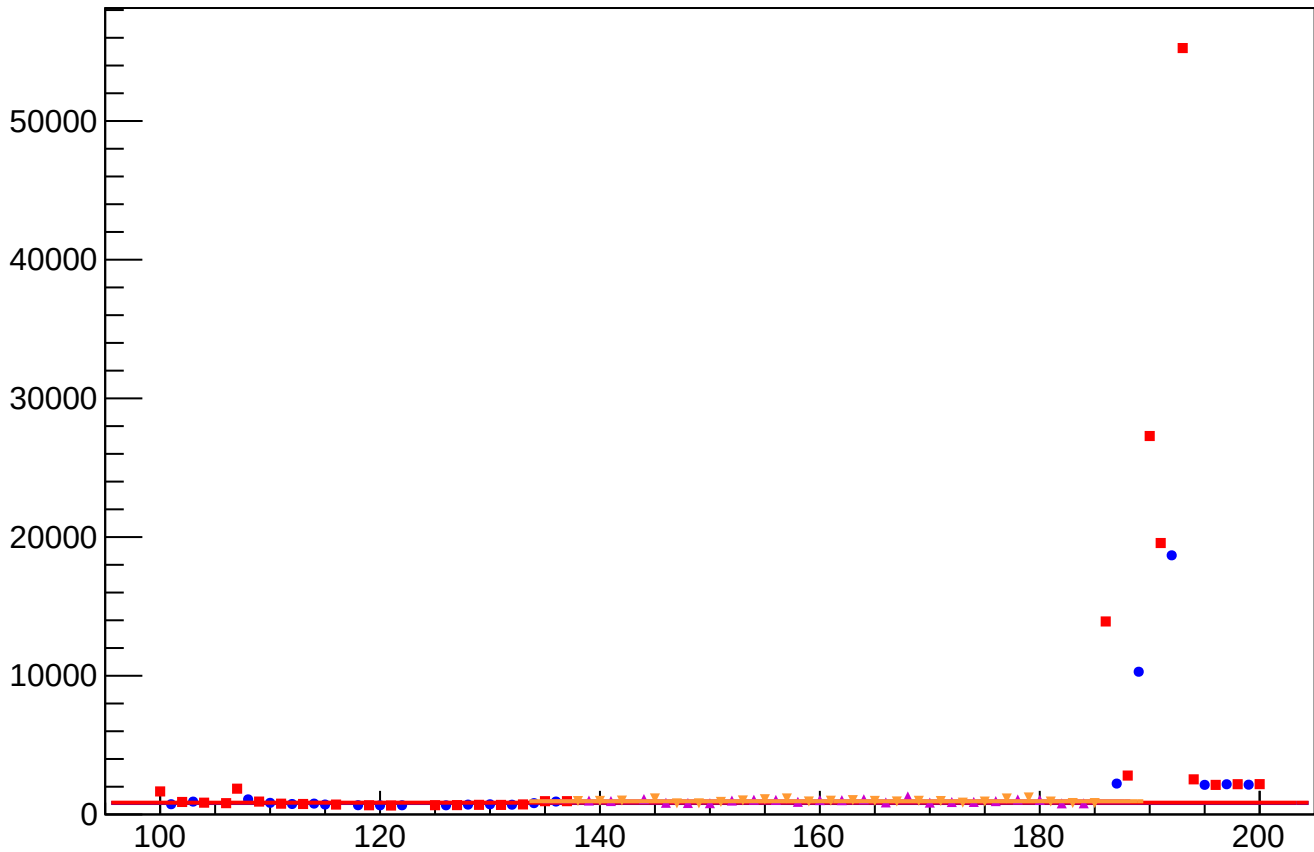
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF:14.8/22

+ sign 1143.846 $\pm$ 179.410 χ^2 /NDF: 58.1/45

All: 79.256 $\pm$ 126.512 χ^2 /NDF: 170.9/95

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

asym_left_avg_rms vs Slug



Right In: 824.013+/-0.204 χ^2/NDF : 3742569.1/21

Left Out: 954.333+/-0.162 χ^2/NDF : 460147.5/23

Right Out: 849.767+/-0.202 χ^2/NDF : 4871469.9/26

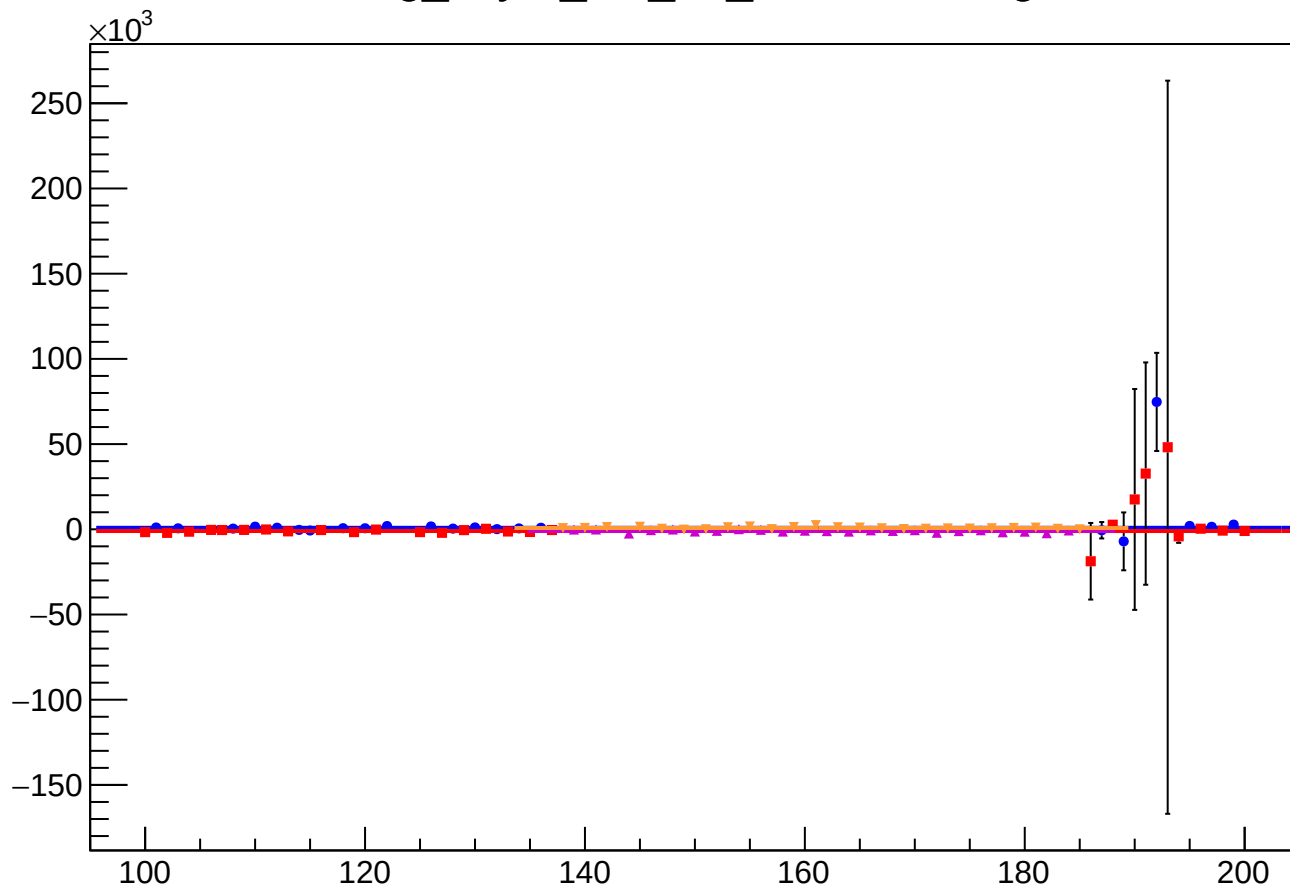
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 904.119+/-0.127 χ^2/NDF : 4452656.7/45

All: 906.514+/-0.089 χ^2/NDF : 9966174.3/95

- sign 908.884+/-0.126 χ^2/NDF : 5512808.3/49

reg_asym_left_dd_mean vs Slug



Right In: 878.554 ± 213.356 χ^2/NDF : 14.0/21

Left Out: 757.642 ± 133.942 χ^2/NDF : 21.0/23

Right Out: -999.992 ± 204.845 χ^2/NDF : 16.1/26

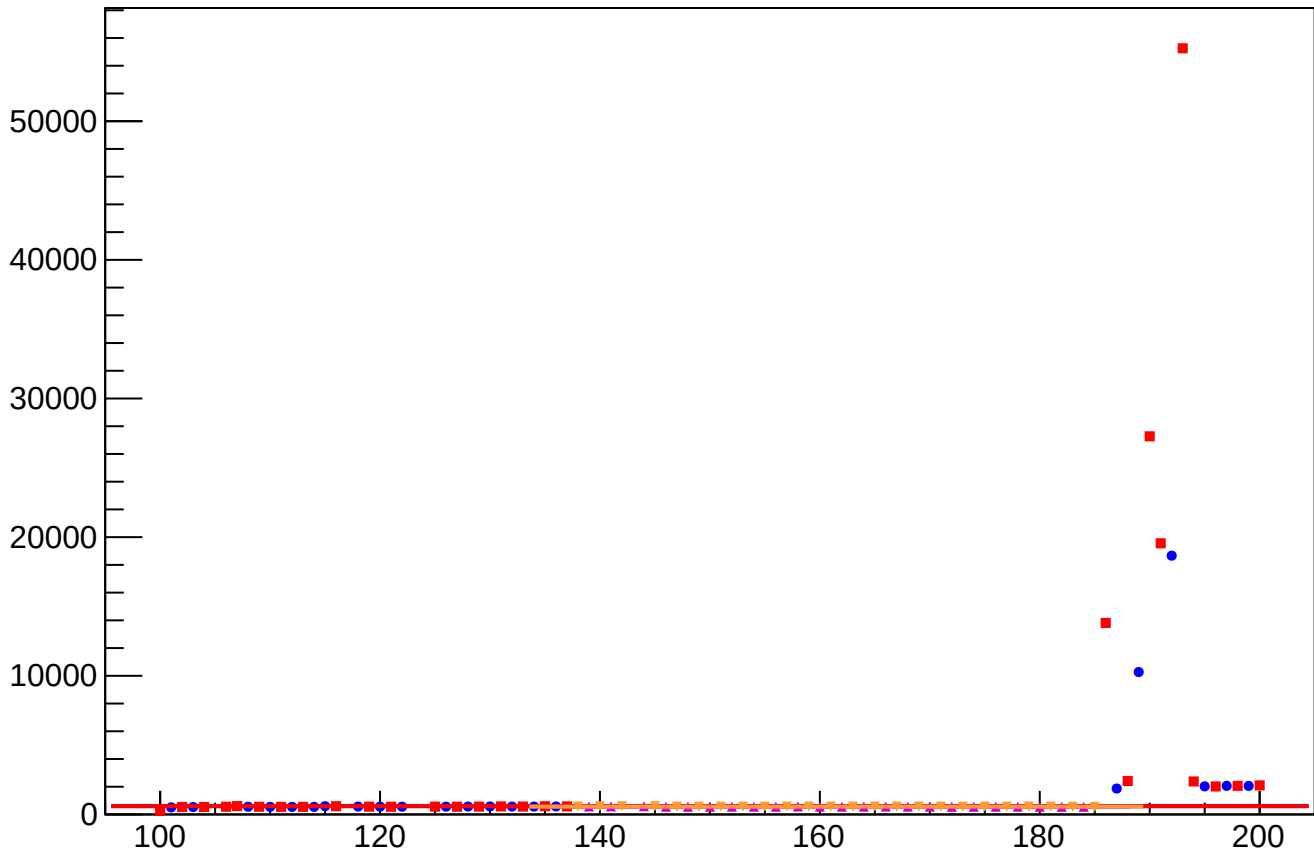
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 791.824 ± 113.440 χ^2/NDF : 35.3/45

All: -96.012 ± 79.923 χ^2/NDF : 199.9/95

- sign -971.053 ± 112.620 χ^2/NDF : 43.0/49

reg_asym_left_dd_rms vs Slug



Right In: 601.277 $\pm$ 0.151 χ^2 /NDF: 4131729.7/21

Left Out: 563.675 $\pm$ 0.095 χ^2 /NDF:9542.9/23

Right Out: 599.170 $\pm$ 0.145 χ^2 /NDF: 5375313.8/26

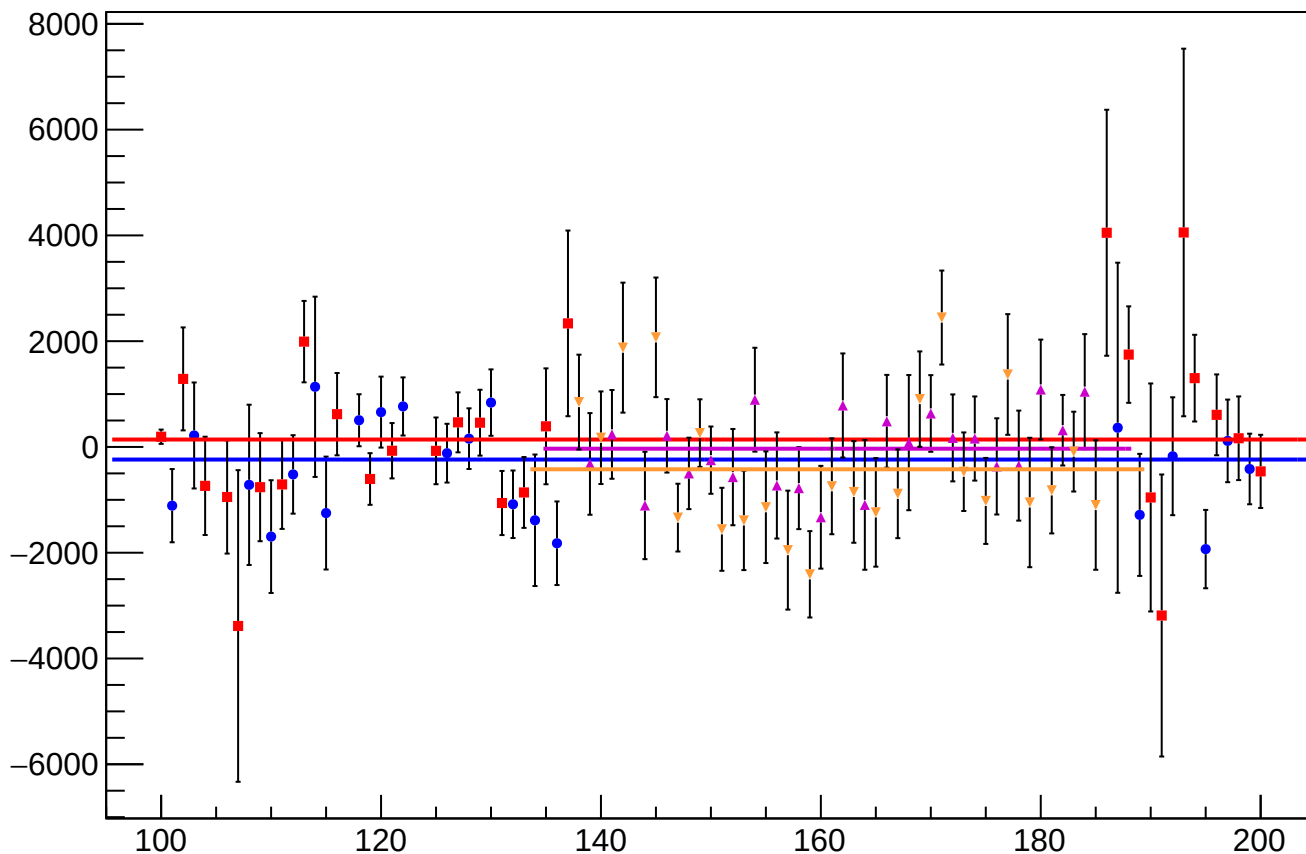
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF:9204.6/22

+ sign 574.305 $\pm$ 0.080 χ^2 /NDF: 4185833.8/45

All: 574.446 $\pm$ 0.057 χ^2 /NDF: 9611647.4/95

- sign 574.584 $\pm$ 0.080 χ^2 /NDF: 5425807.5/49

asym_left_dd_correction_mean vs Slug



Right In: -238.158 ± 162.238 χ^2/NDF : 29.3/21

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

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

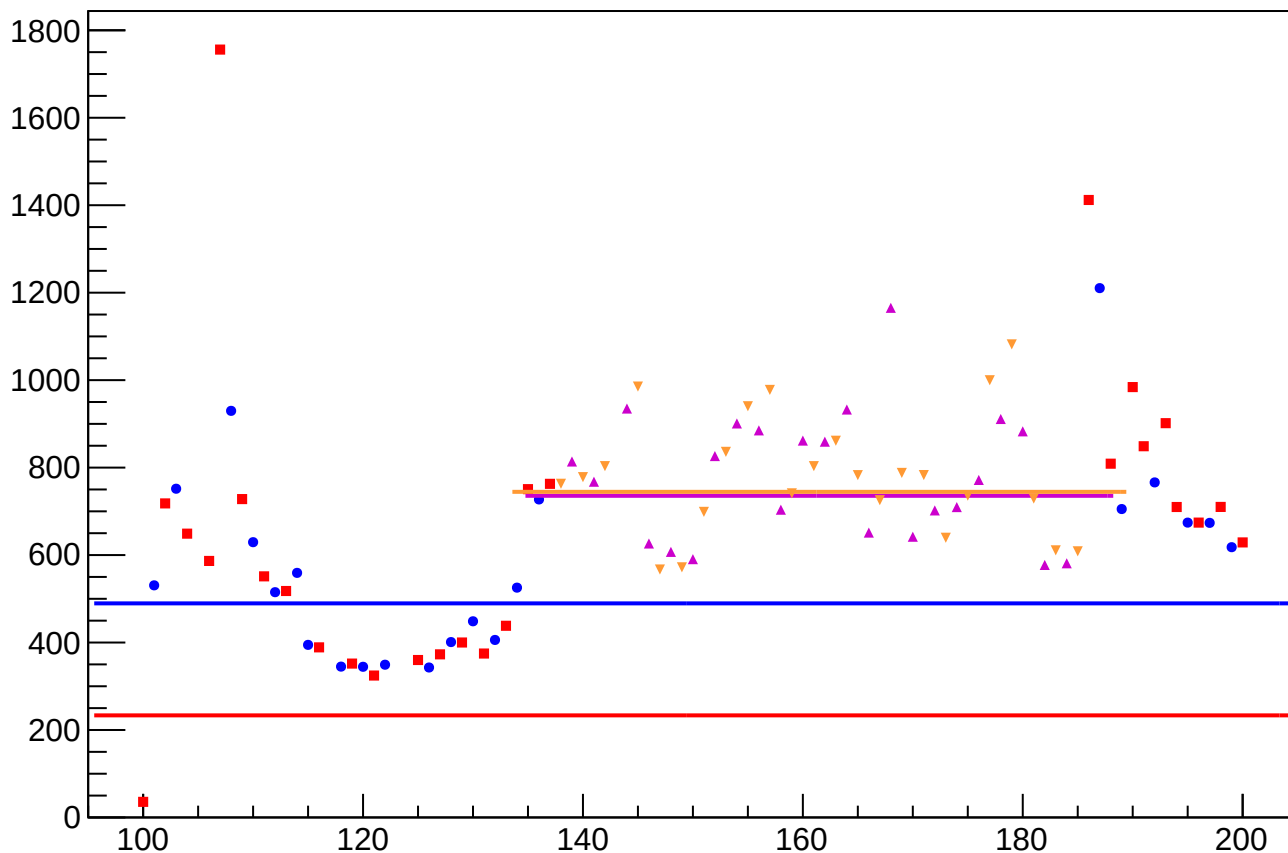
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -320.440 ± 120.671 χ^2/NDF : 73.2/45

All: -50.133 ± 71.714 χ^2/NDF : 129.7/95

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

asym_left_dd_correction_rms vs Slug



Right In: 489.540+/-0.115 χ^2/NDF : 1787264.0/21

Left Out: 744.597+/-0.128 χ^2/NDF : 1009604.0/23

Right Out: 233.438+/-0.073 χ^2/NDF : 12948406.3/26

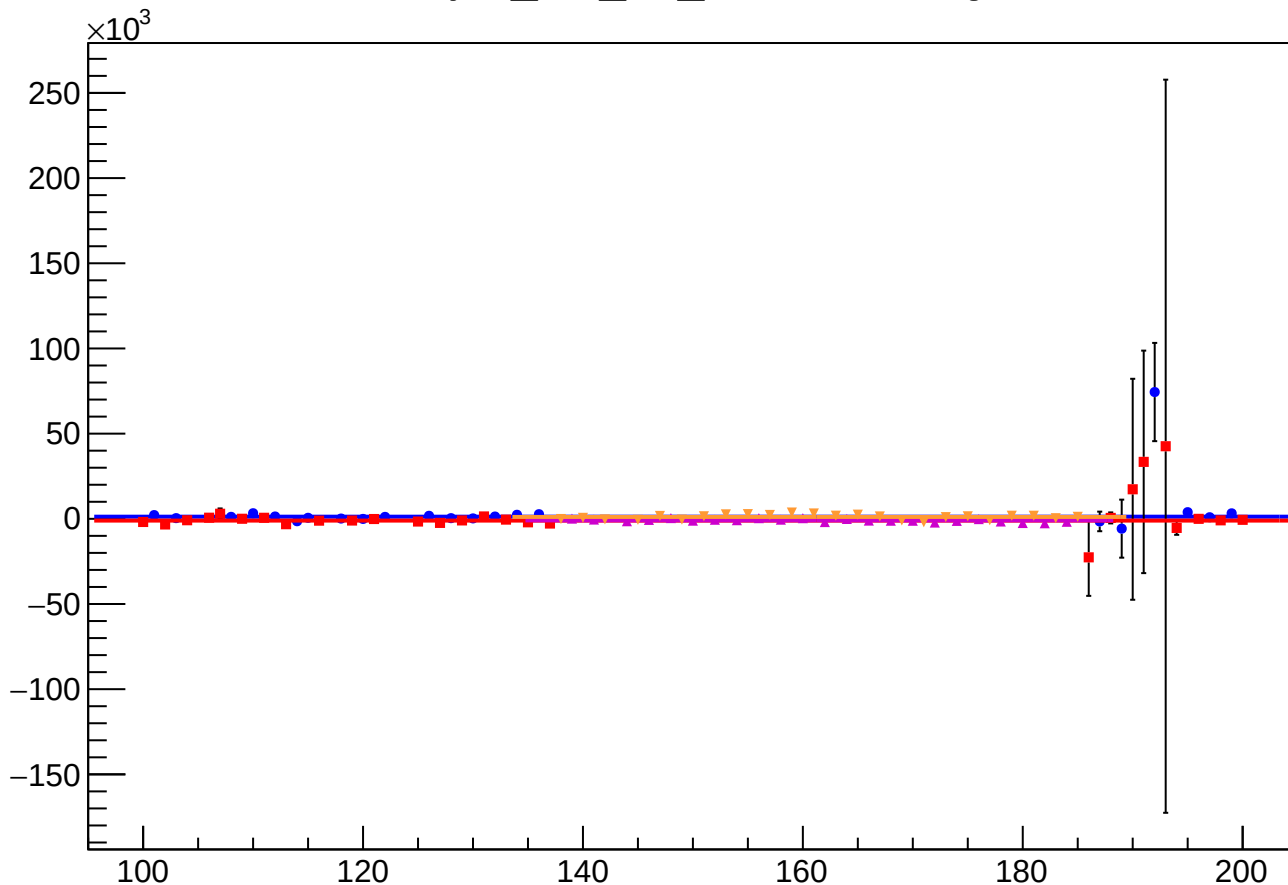
Left In: 735.543+/-0.127 χ^2/NDF : 1105222.3/22

+ sign 603.495+/-0.085 χ^2/NDF : 5005355.6/45

All: 444.412+/-0.051 χ^2/NDF : 36233050.7/95

- sign 357.546+/-0.063 χ^2/NDF : 25853707.7/49

asym_left_dd_mean vs Slug



Right In: 1254.893 $\pm$ 288.875 χ^2 /NDF: 20.5/21

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

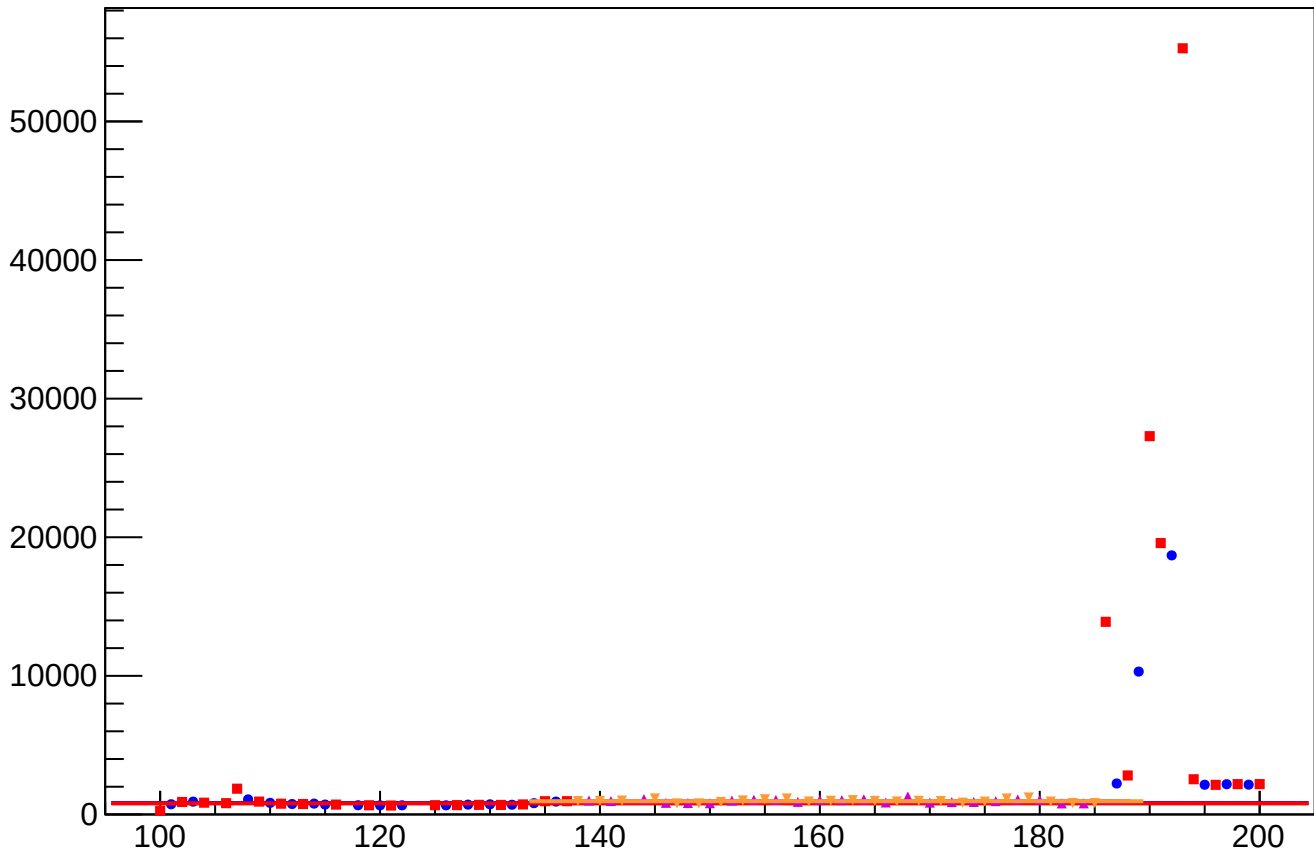
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1162.840 $\pm$ 179.309 χ^2 /NDF: 58.9/45

All: 72.496 $\pm$ 125.405 χ^2 /NDF: 171.9/95

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

asym_left_dd_rms vs Slug



Right In: 823.360+/-0.204 χ^2/NDF : 3751656.4/21

Left Out: 953.781+/-0.162 χ^2/NDF : 460211.0/23

Right Out: 800.046+/-0.194 χ^2/NDF : 5532787.4/26

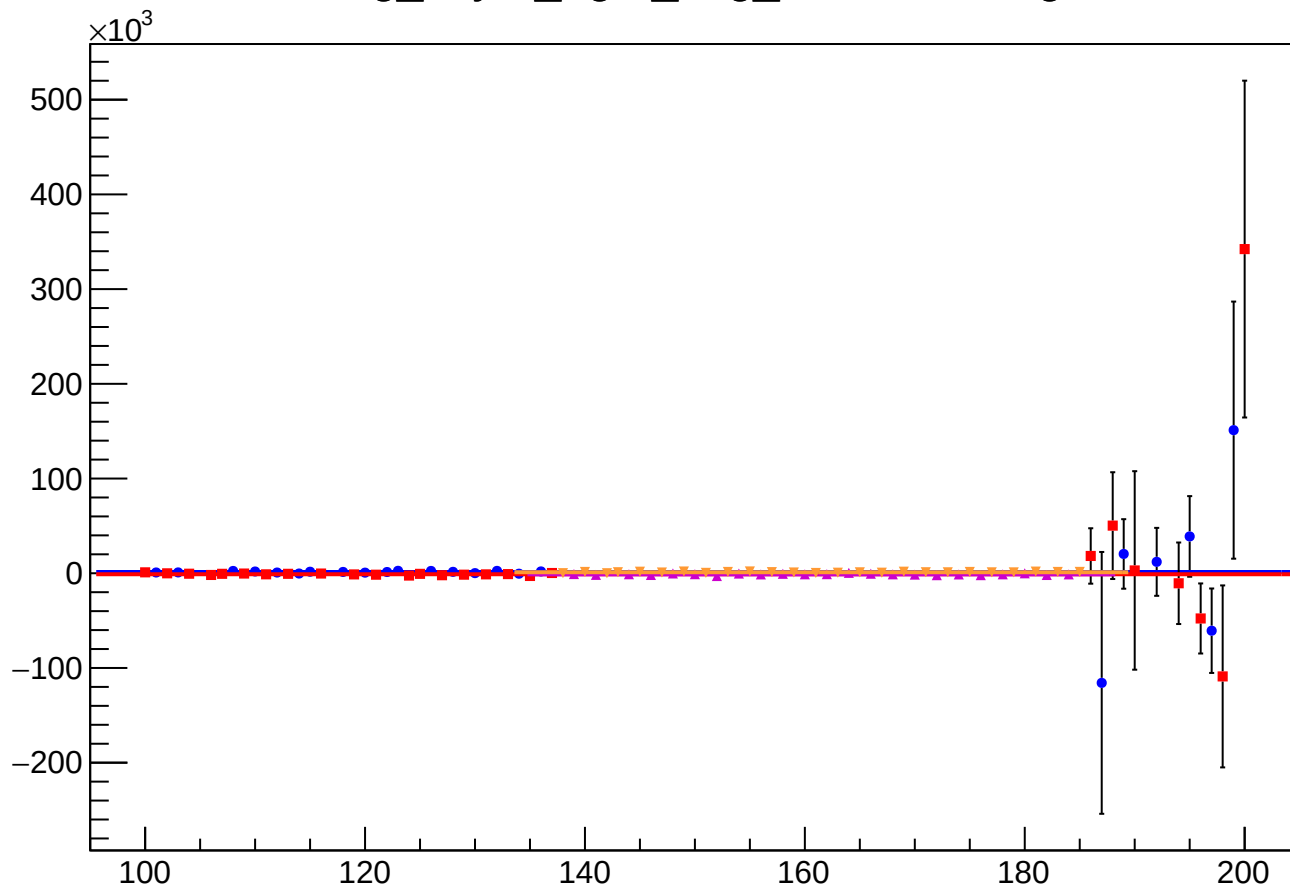
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 903.532+/-0.127 χ^2/NDF : 4462464.3/45

All: 894.755+/-0.089 χ^2/NDF : 10840767.4/95

- sign 886.351+/-0.124 χ^2/NDF : 6368923.4/49

reg_asym_right_avg_mean vs Slug



Right In: 1324.722 $\pm$ 218.586 χ^2 /NDF: 17.8/22

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

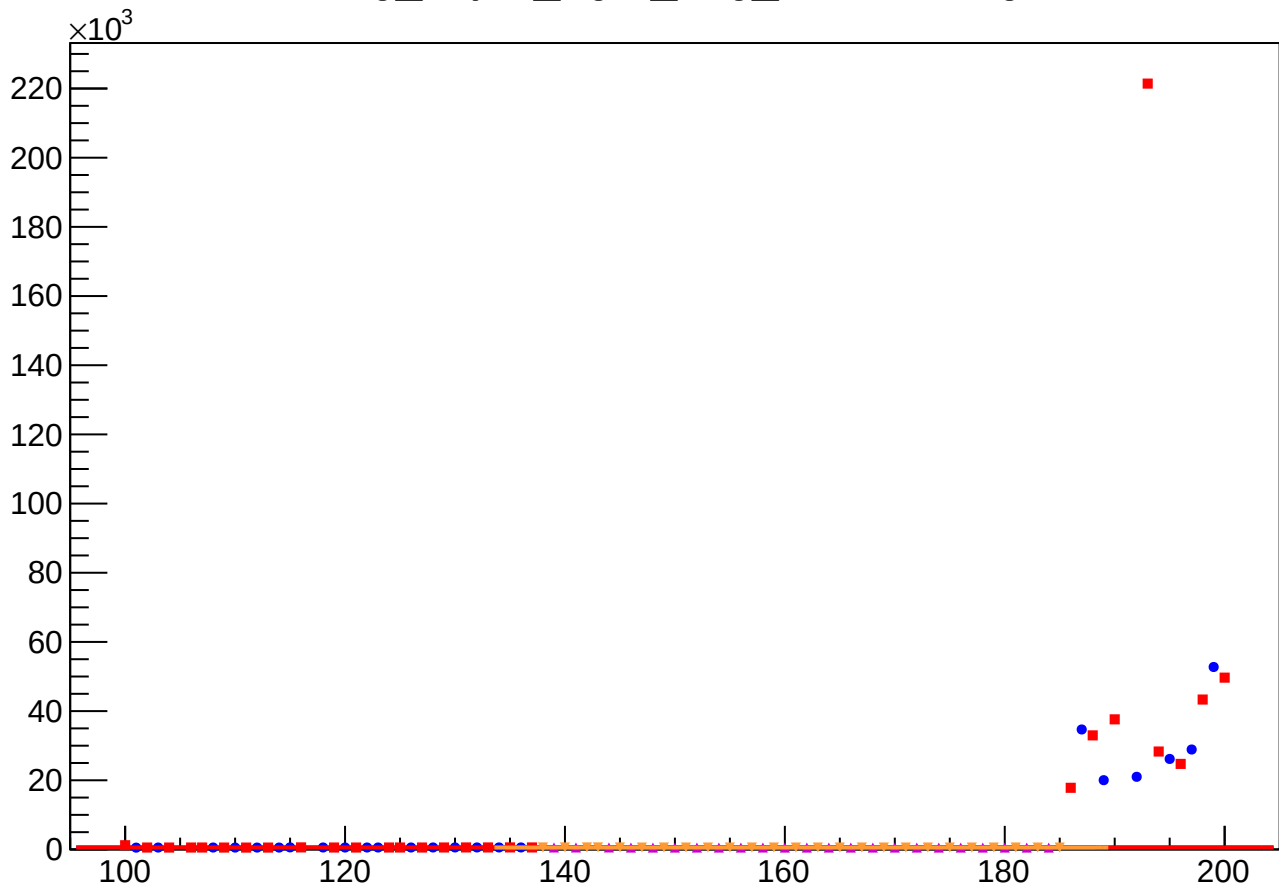
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

+ sign 1139.003 $\pm$ 111.536 χ^2 /NDF: 33.9/47

All: 31.706 $\pm$ 79.302 χ^2 /NDF: 284.7/96

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

reg_asym_right_avg_rms vs Slug



Right In: 566.588 $\pm$ 0.155 χ^2 /NDF: 3240069.6/22

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

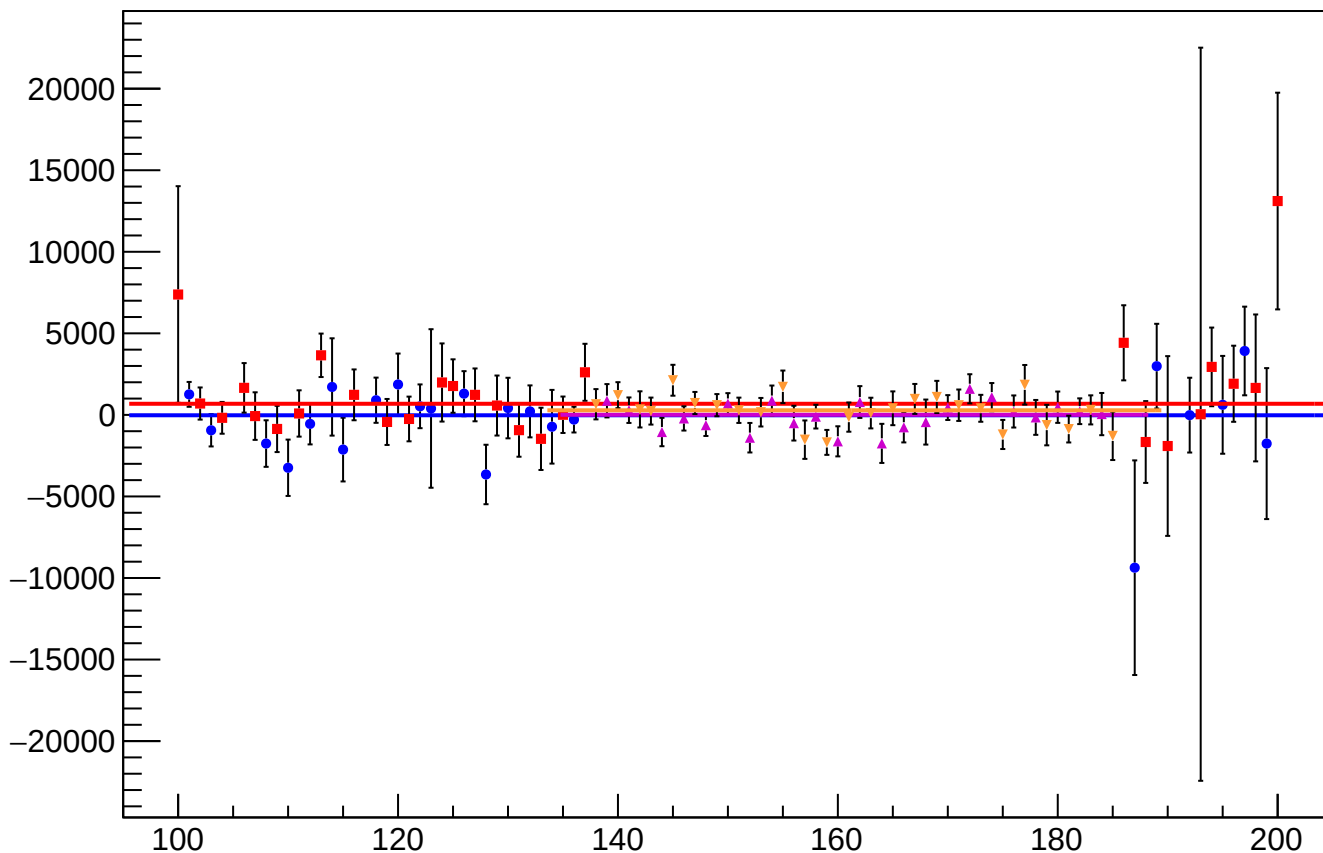
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

+ sign 559.892 $\pm$ 0.079 χ^2 /NDF: 3257360.4/47

All: 560.080 $\pm$ 0.056 χ^2 /NDF: 7356052.0/97

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

asym_right_avg_correction_mean vs Slug



Right In: -23.383 ± 317.265 χ^2/NDF : 22.8/22

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

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

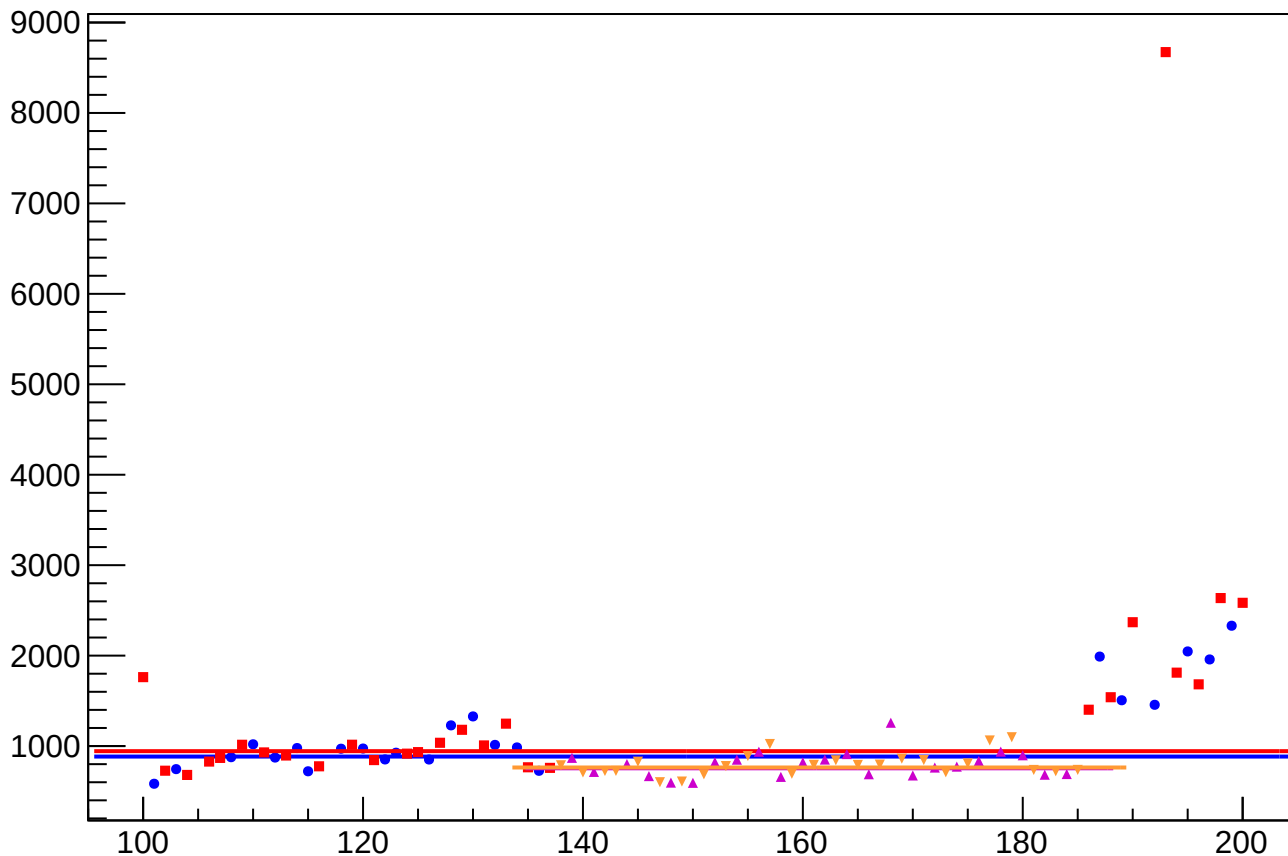
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 207.279 ± 156.836 χ^2/NDF : 50.2/47

All: 191.601 ± 111.650 χ^2/NDF : 96.9/97

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

asym_right_avg_correction_rms vs Slug



Right In: 883.964 ± 0.224 χ^2/NDF : 1780584.5/22

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

Right Out: 943.630 ± 0.226 χ^2/NDF : 1931360.4/26

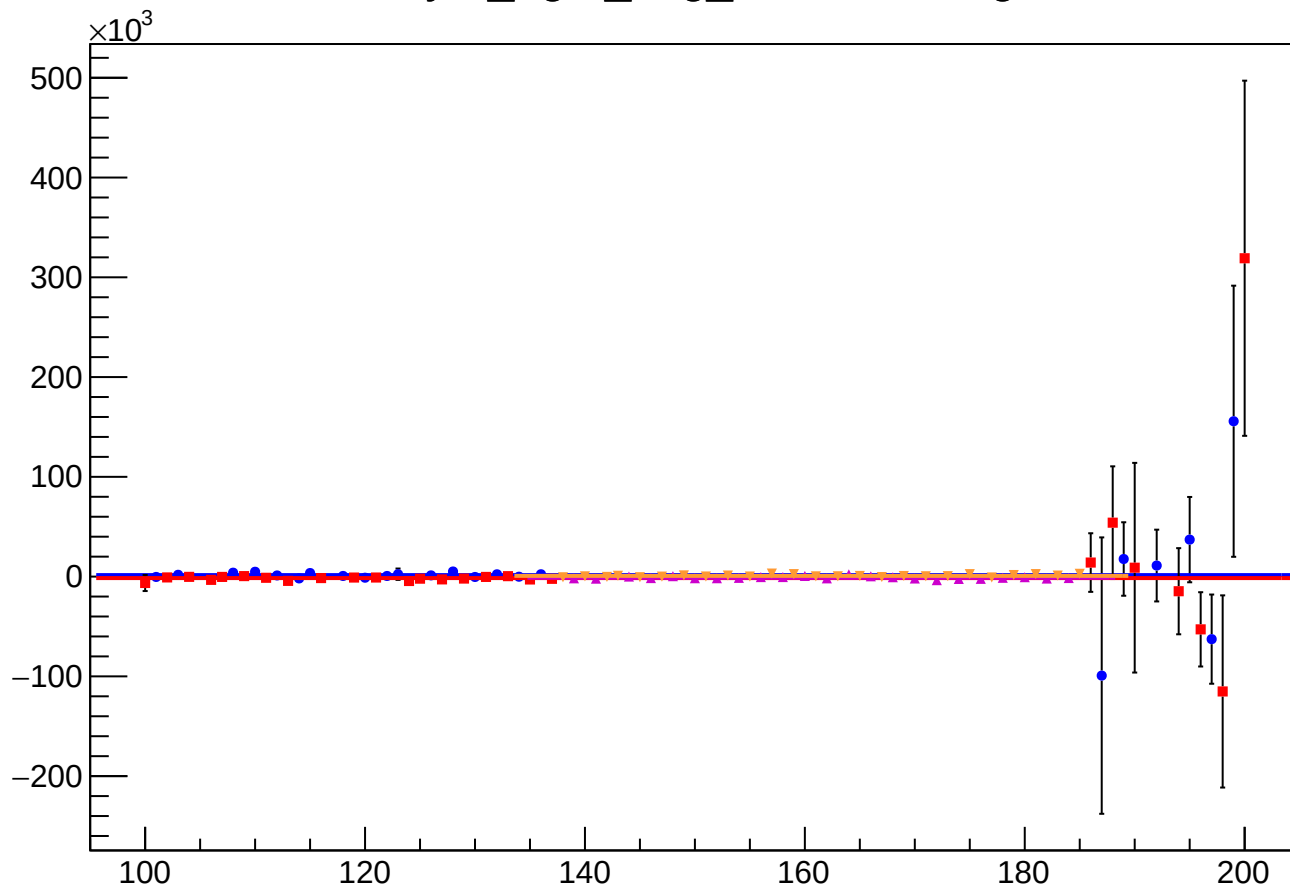
Left In: 754.099 ± 0.130 χ^2/NDF : 931829.3/22

+ sign 792.624 ± 0.111 χ^2/NDF : 2753665.6/47

All: 796.846 ± 0.079 χ^2/NDF : 6150546.0/97

- sign 801.185 ± 0.112 χ^2/NDF : 3393941.6/49

asym_right_avg_mean vs Slug



Right In: 1499.545 $\pm$ 402.580 χ^2 /NDF: 21.9/22

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

Right Out: -1489.340 $\pm$ 400.623 χ^2 /NDF: 19.9/25

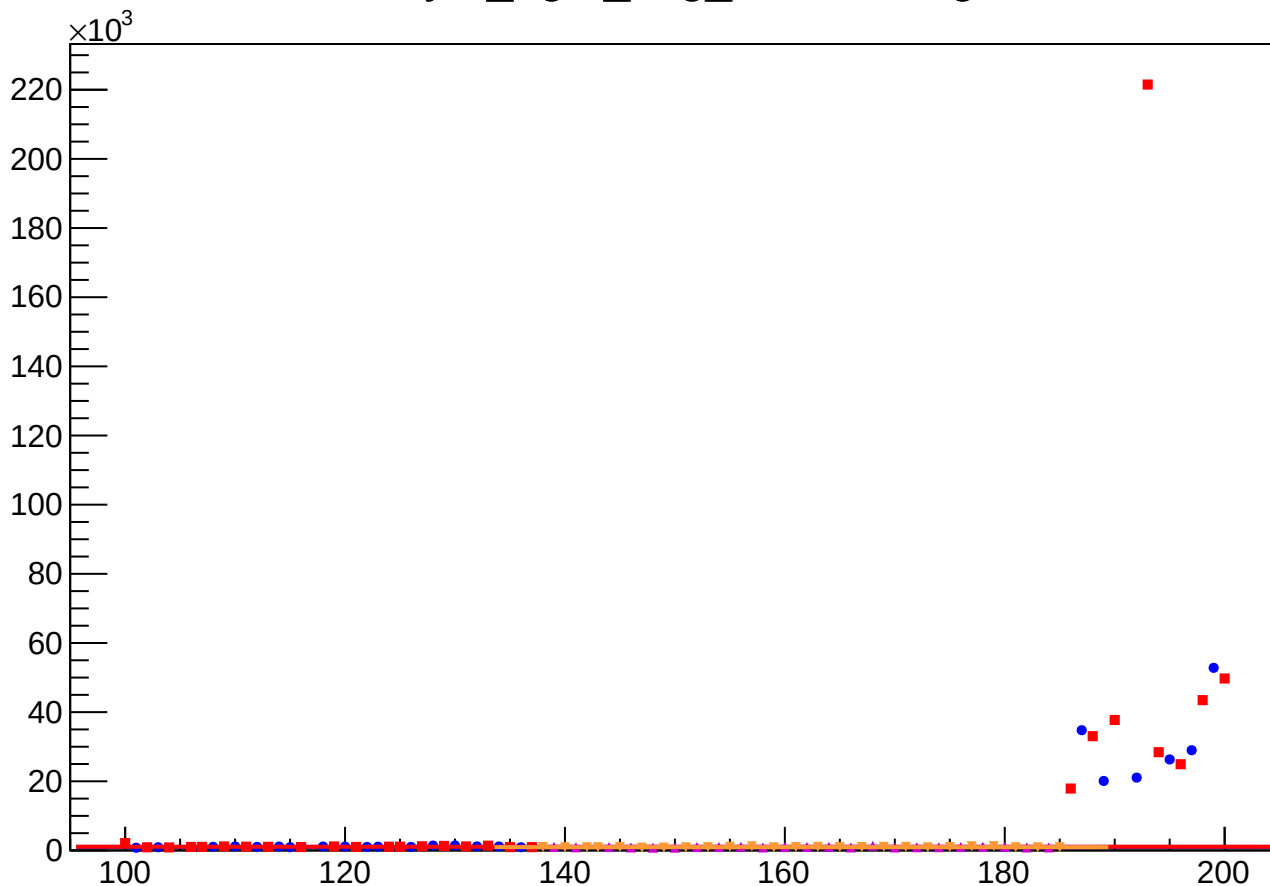
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 921.166 $\pm$ 196.762 χ^2 /NDF: 46.2/47

All: -132.137 $\pm$ 140.092 χ^2 /NDF: 150.2/96

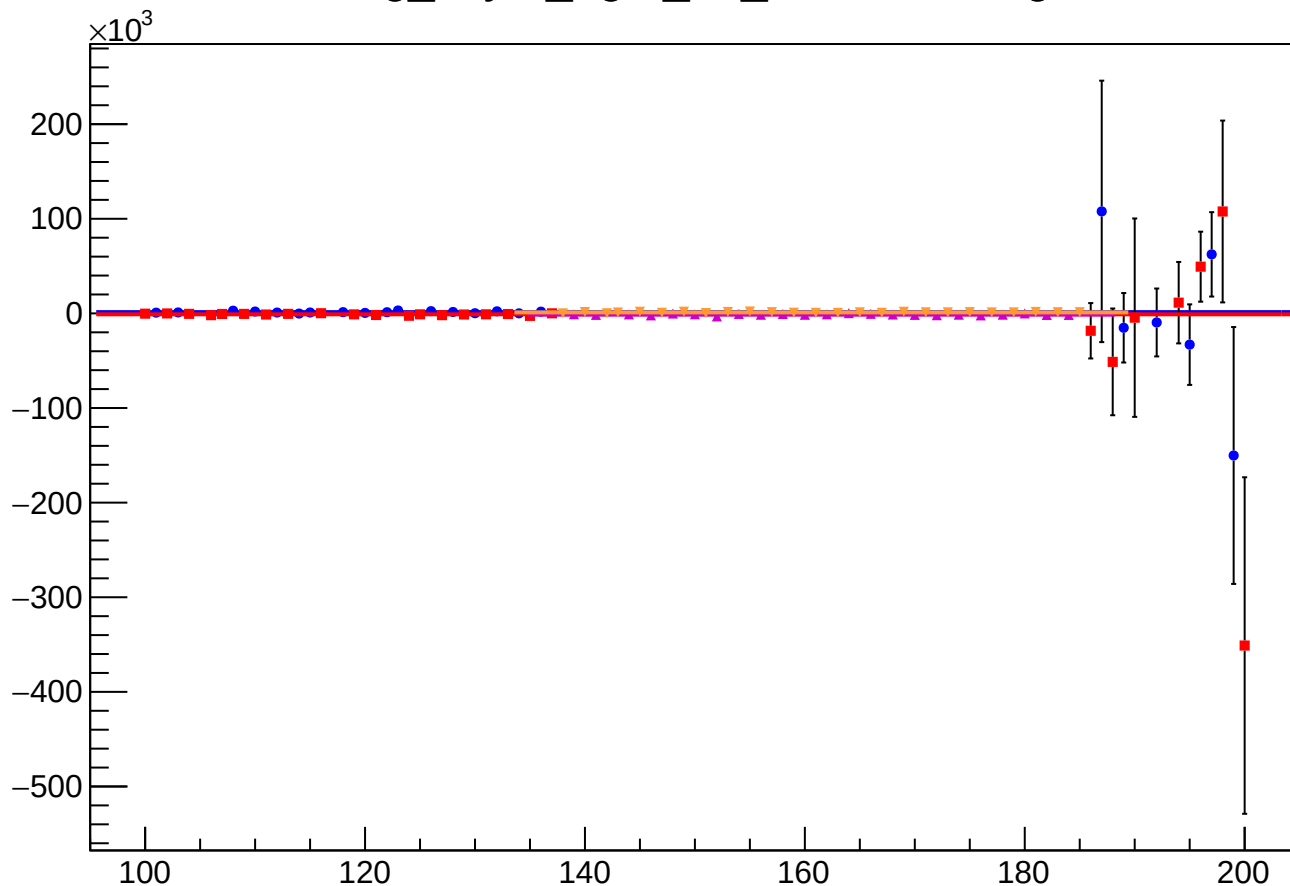
- sign -1215.045 $\pm$ 199.508 χ^2 /NDF: 45.9/48

asym_right_avg_rms vs Slug



Right In: 1032.184 $\pm$ 0.285 χ^2 /NDF: 3449727.4/22 + sign 978.960 $\pm$ 0.139 χ^2 /NDF: 3858594.0/47
Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF: 362937.6/24 All: 981.014 $\pm$ 0.099 χ^2 /NDF: 8553341.3/97
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: 1344.843 $\pm$ 218.841 χ^2 /NDF: 16.7/22

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

Right Out: -965.104 $\pm$ 208.600 χ^2 /NDF: 20.5/25

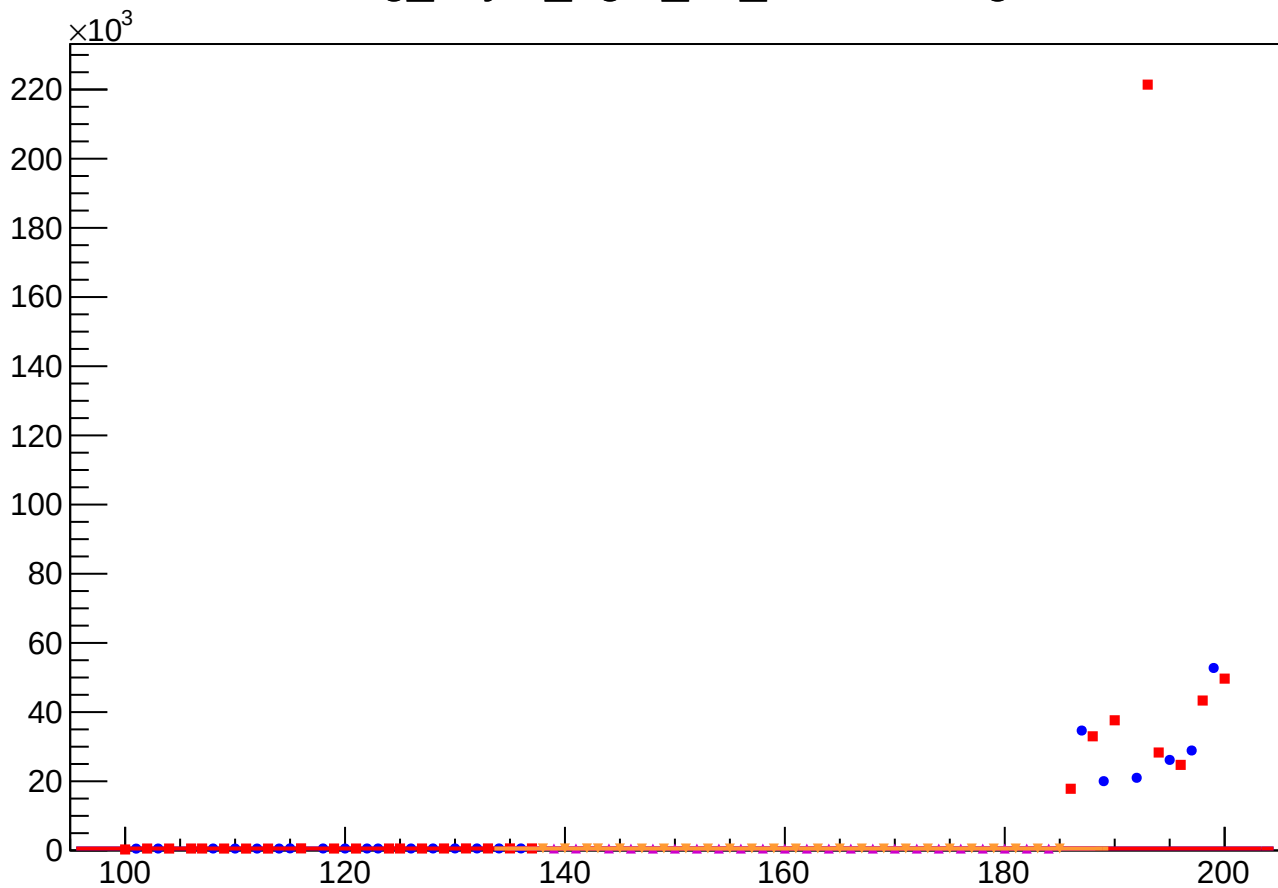
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.582 $\pm$ 111.653 χ^2 /NDF: 32.6/47

All: 21.996 $\pm$ 79.190 χ^2 /NDF: 293.1/96

- sign -1124.414 $\pm$ 112.333 χ^2 /NDF: 53.4/48

reg_asym_right_dd_rms vs Slug



Right In: 567.248 $\pm$ 0.155 χ^2 /NDF: 3240160.3/22

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

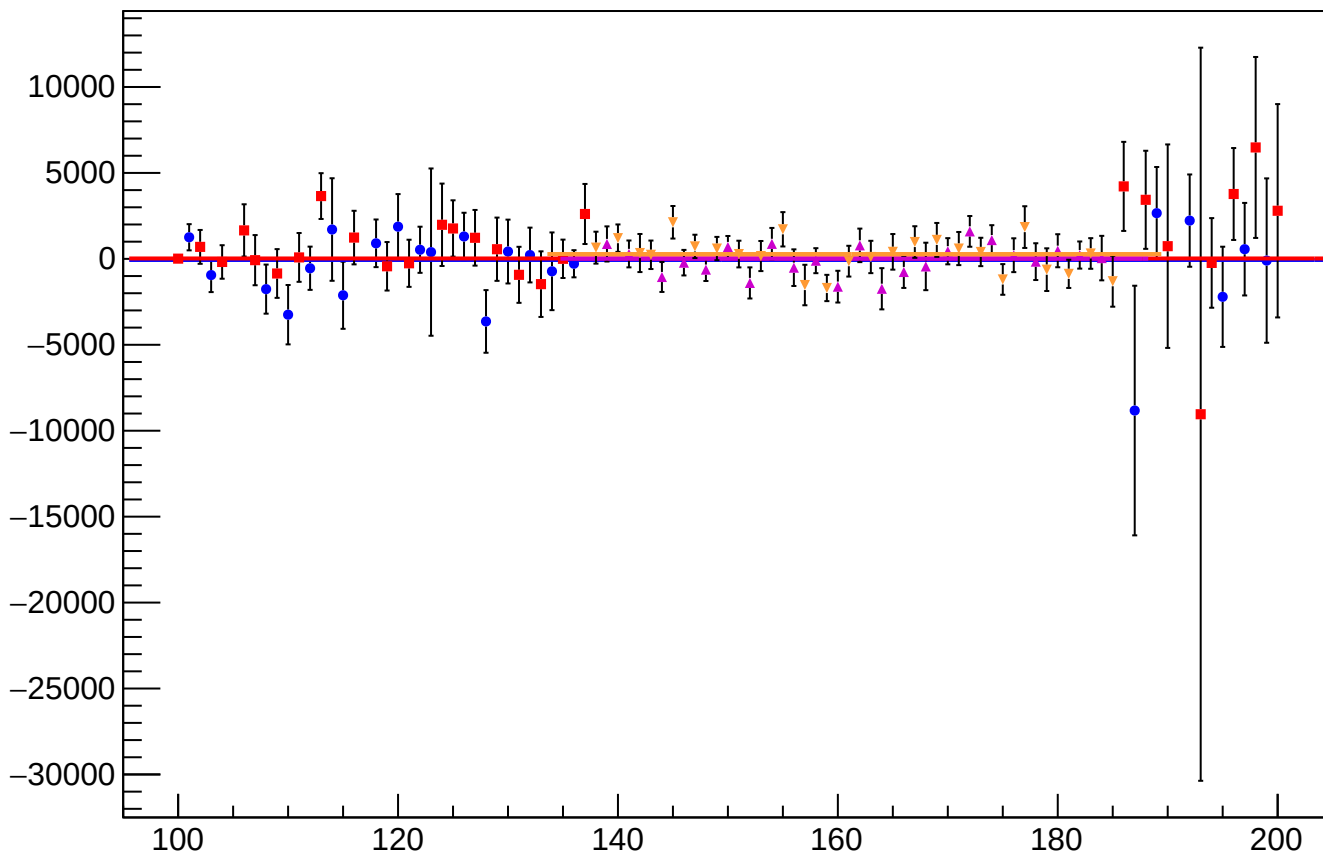
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

+ sign 560.480 $\pm$ 0.079 χ^2 /NDF: 3257530.8/47

All: 559.059 $\pm$ 0.056 χ^2 /NDF: 7439097.9/97

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

asym_right_dd_correction_mean vs Slug



Right In: -63.539 ± 318.302 χ^2/NDF : 20.8/22

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

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

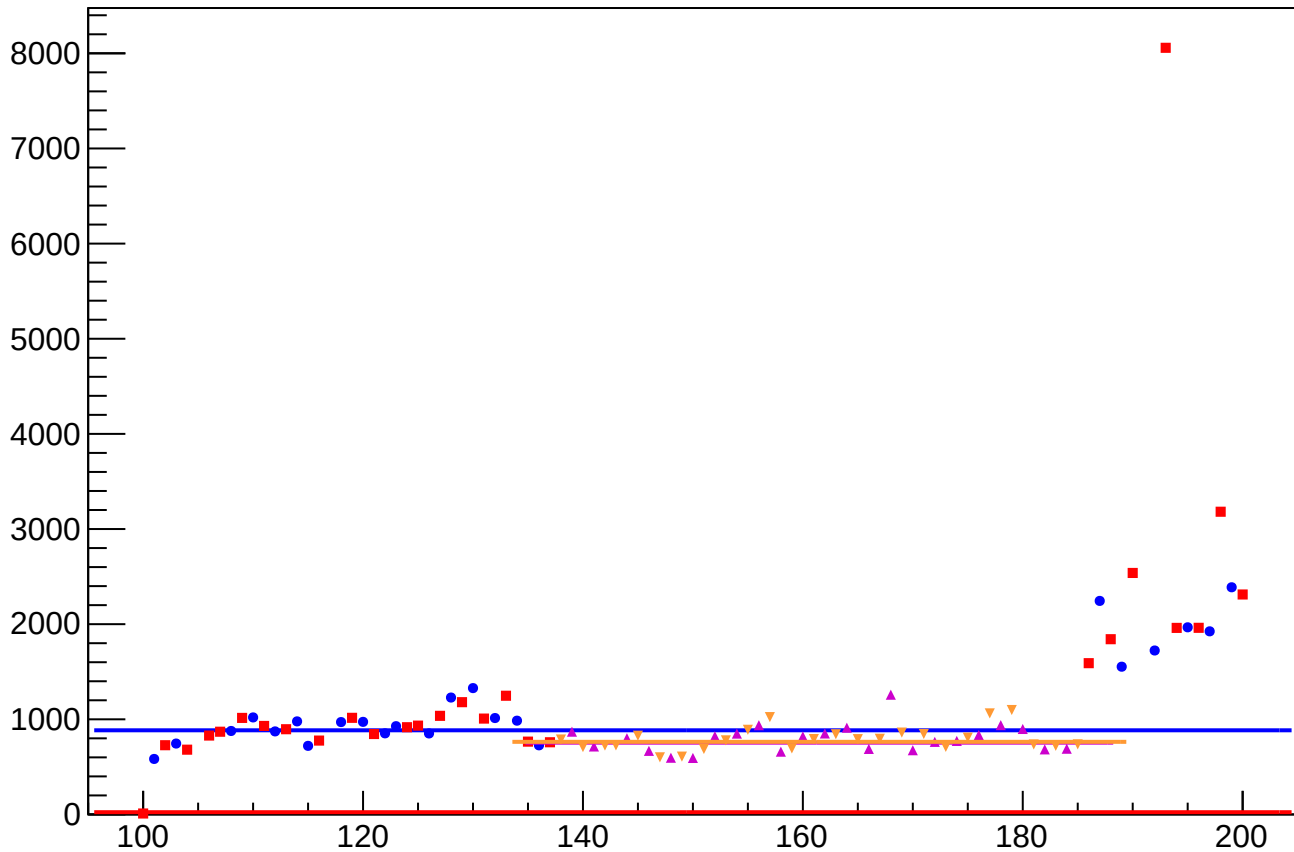
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 197.485 ± 156.997 χ^2/NDF : 48.5/47

All: 31.938 ± 37.014 χ^2/NDF : 93.7/97

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

asym_right_dd_correction_rms vs Slug



Right In: 884.538 ± 0.225 χ^2/NDF : 1838451.3/22

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

Right Out: 23.707 ± 0.028 χ^2/NDF : 18818958.8/26

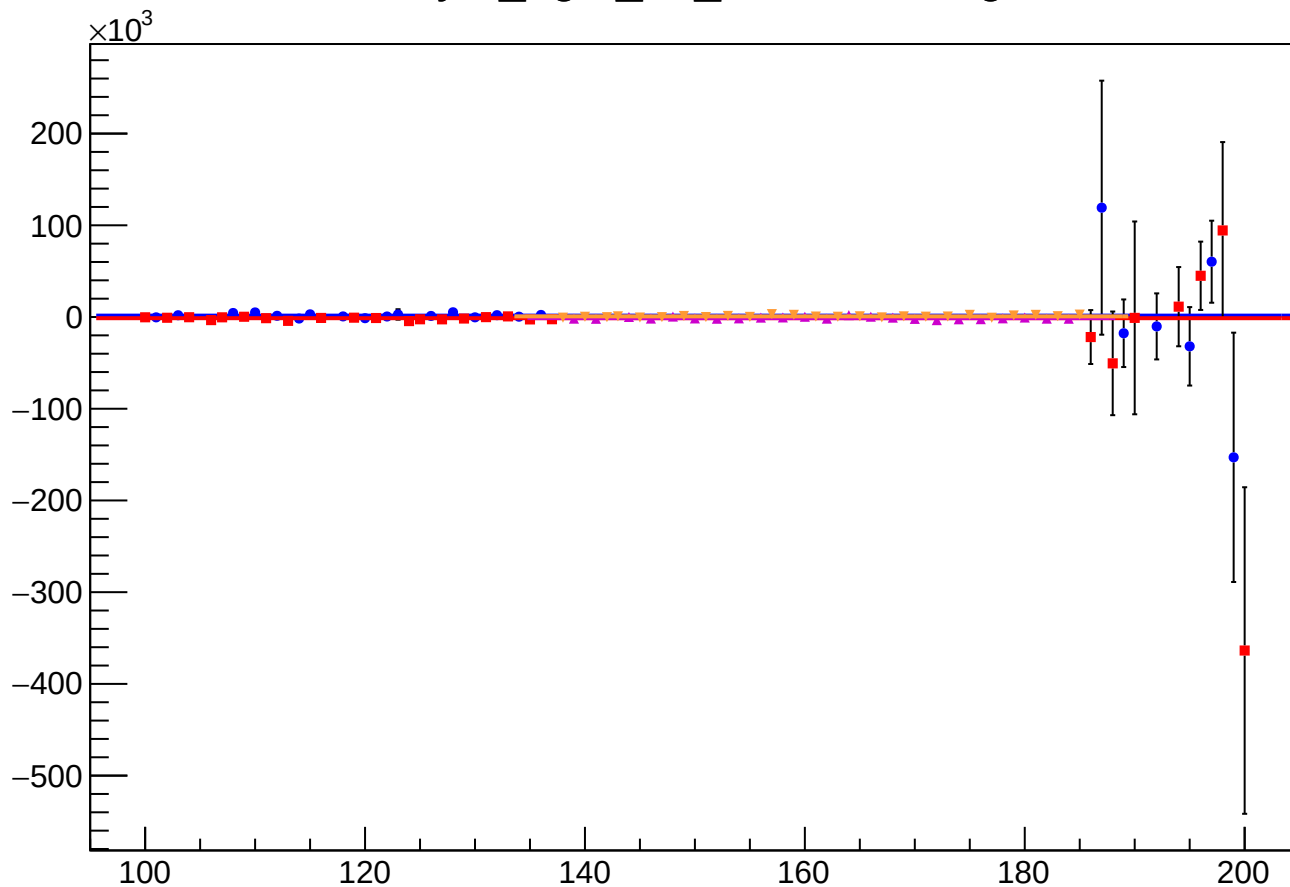
Left In: 754.483 ± 0.130 χ^2/NDF : 931536.8/22

+ sign 792.800 ± 0.111 χ^2/NDF : 2811723.4/47

All: 96.198 ± 0.026 χ^2/NDF : 94615657.9/97

- sign 55.199 ± 0.027 χ^2/NDF : 50111978.1/49

asym_right_dd_mean vs Slug



Right In: 1517.157 ± 402.803 χ^2/NDF : 22.5/22

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

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

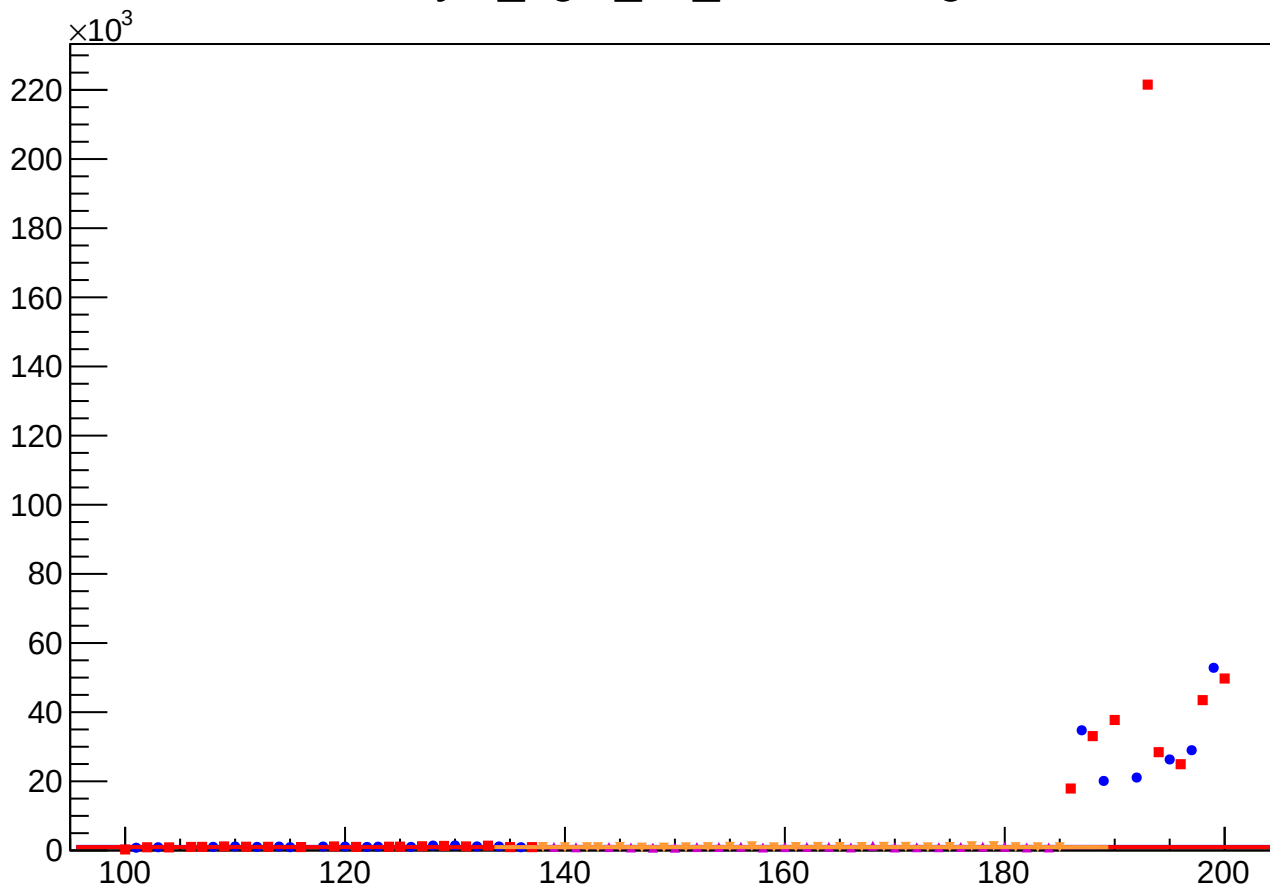
Left In: -1176.288 ± 230.229 χ^2/NDF : 24.2/22

+ sign 927.793 ± 196.870 χ^2/NDF : 45.6/47

All: -141.768 ± 139.052 χ^2/NDF : 149.1/96

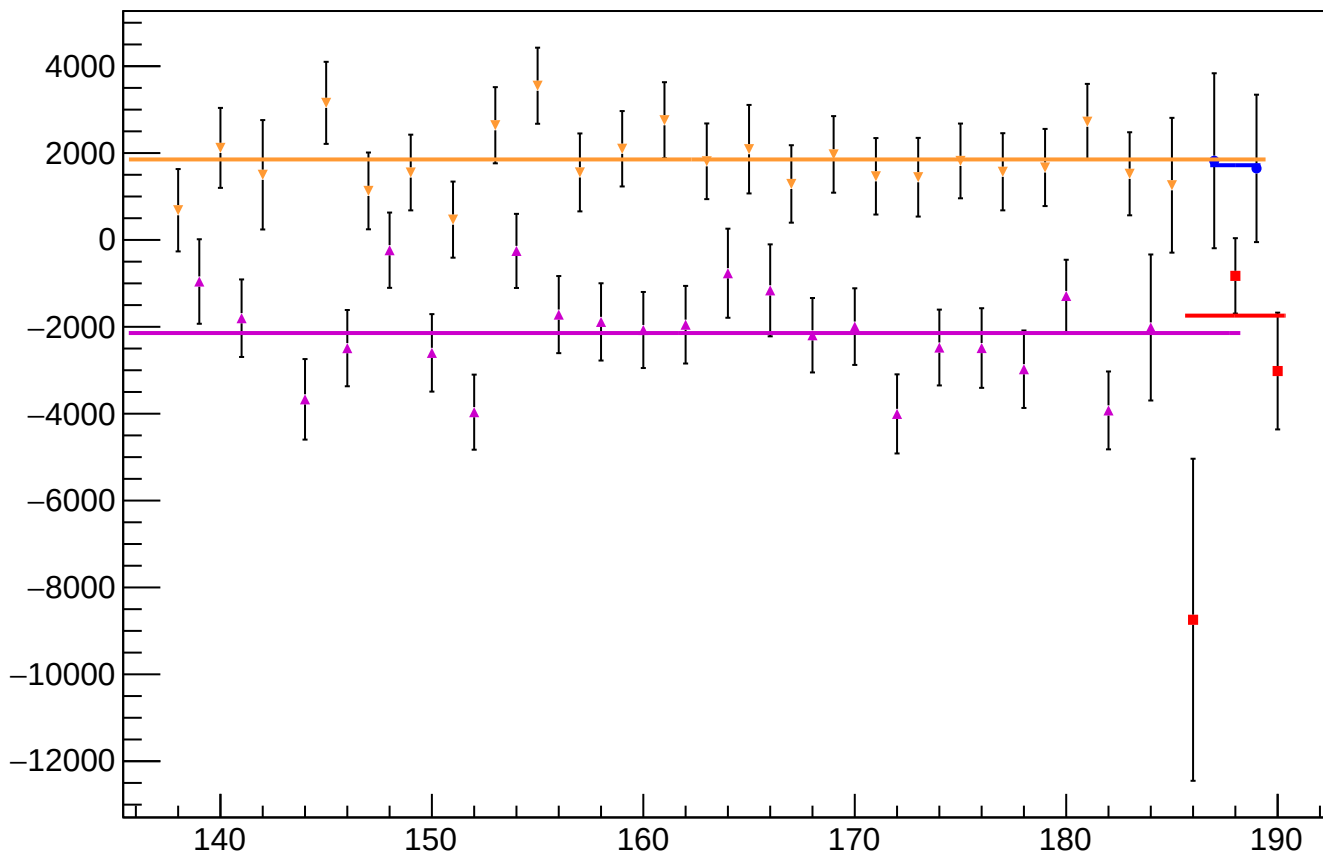
- sign -1206.562 ± 196.430 χ^2/NDF : 44.7/48

asym_right_dd_rms vs Slug



Right In: 1032.762 $\pm$ 0.285 χ^2 /NDF: 3449951.1/22 + sign 979.494 $\pm$ 0.139 χ^2 /NDF: 3858742.8/47
Left Out: 962.776 $\pm$ 0.160 χ^2 /NDF: 362837.8/24 All: 969.989 $\pm$ 0.098 χ^2 /NDF: 9305596.9/97
Right Out: 974.428 $\pm$ 0.266 χ^2 /NDF: 4990737.8/26 - sign 960.526 $\pm$ 0.139 χ^2 /NDF: 5437550.1/49
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF: 443068.5/22

cor_asym_us_avg_mean vs Slug



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

Left Out: 1852.926 $\pm$ 187.412 χ^2 /NDF:15.0/23

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

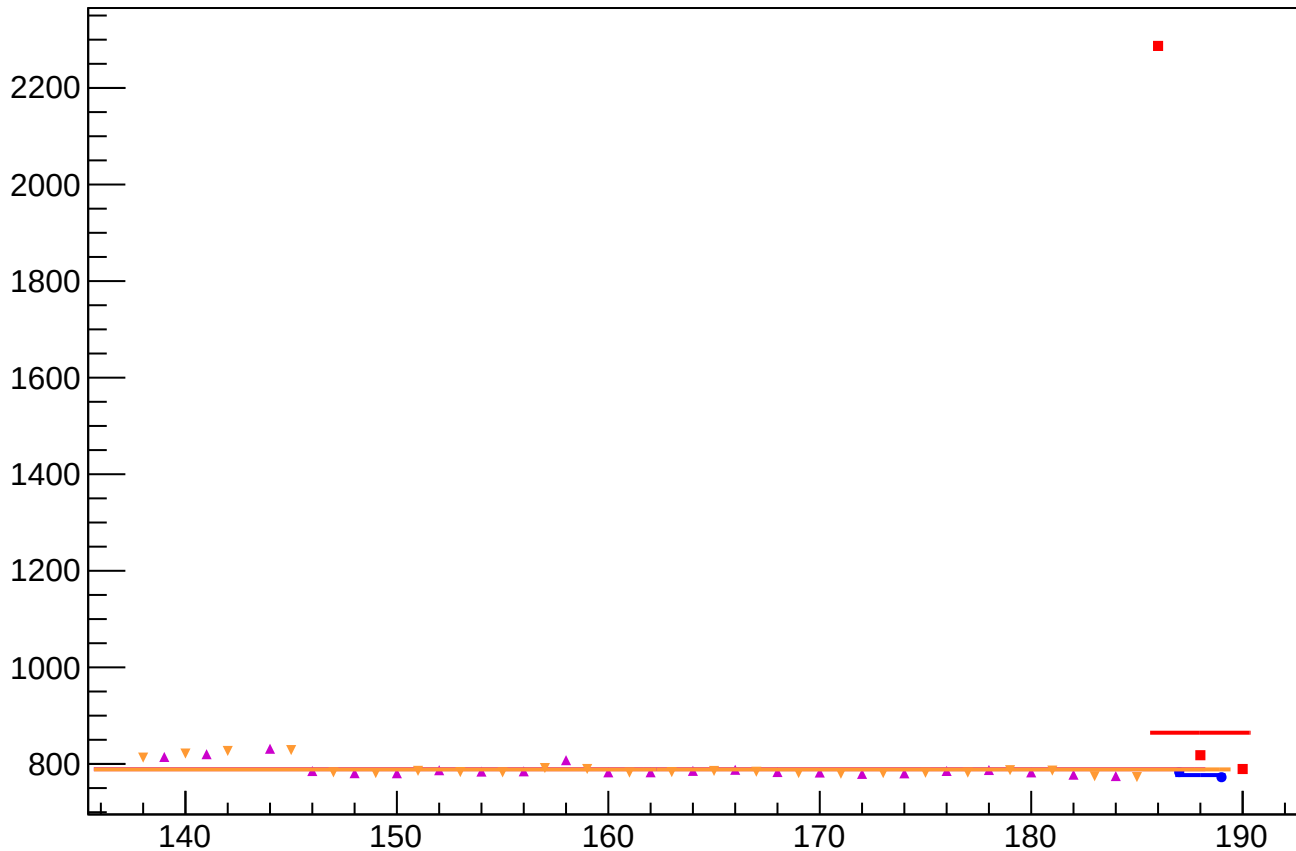
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ sign 1850.213 $\pm$ 185.488 χ^2 /NDF: 15.0/25

All: -151.835 $\pm$ 130.545 χ^2 /NDF: 284.1/51

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

cor_asym_us_avg_rms vs Slug



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

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

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

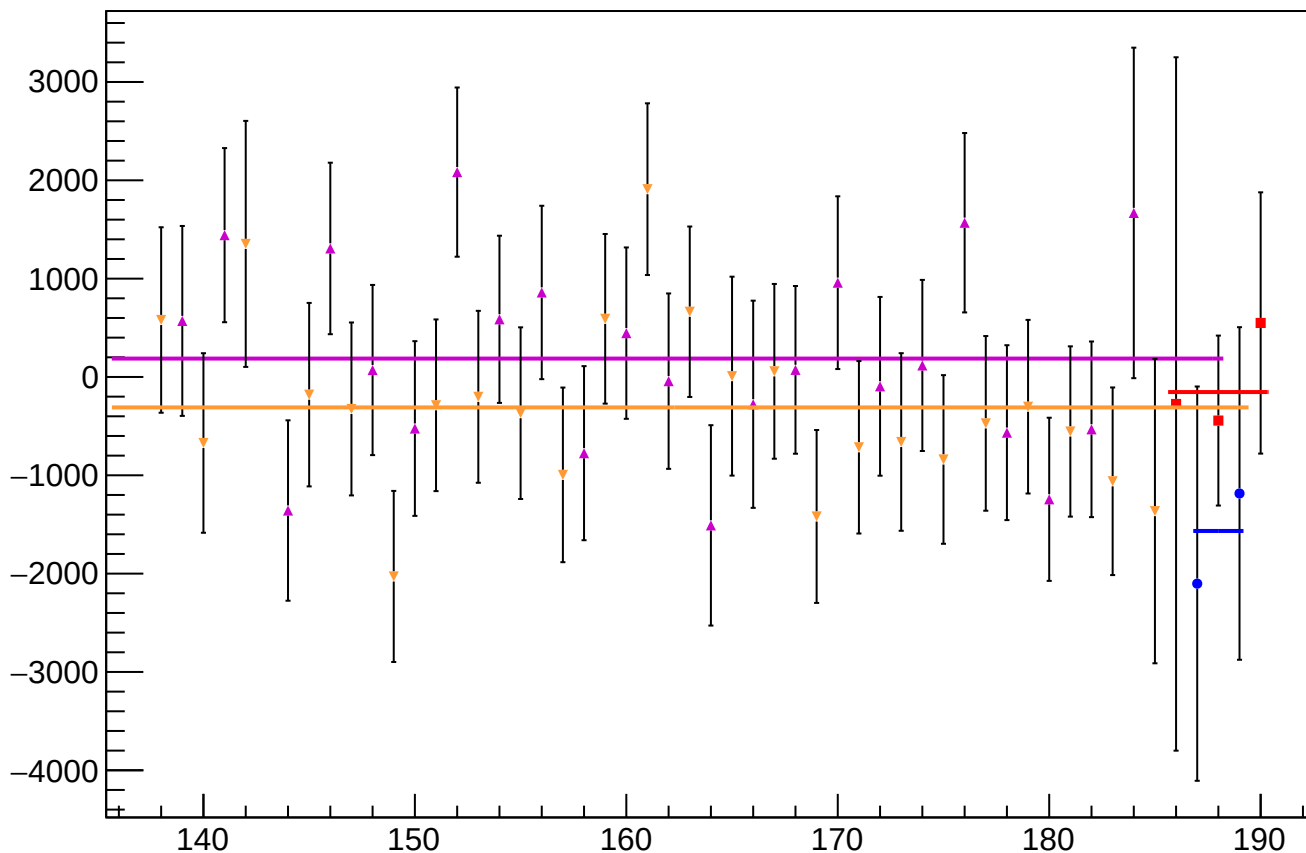
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

+ 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 $\pm$ 1292.689 χ^2 /NDF: 0.1/1

Left Out: -309.656 $\pm$ 186.542 χ^2 /NDF: 20.0/23

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

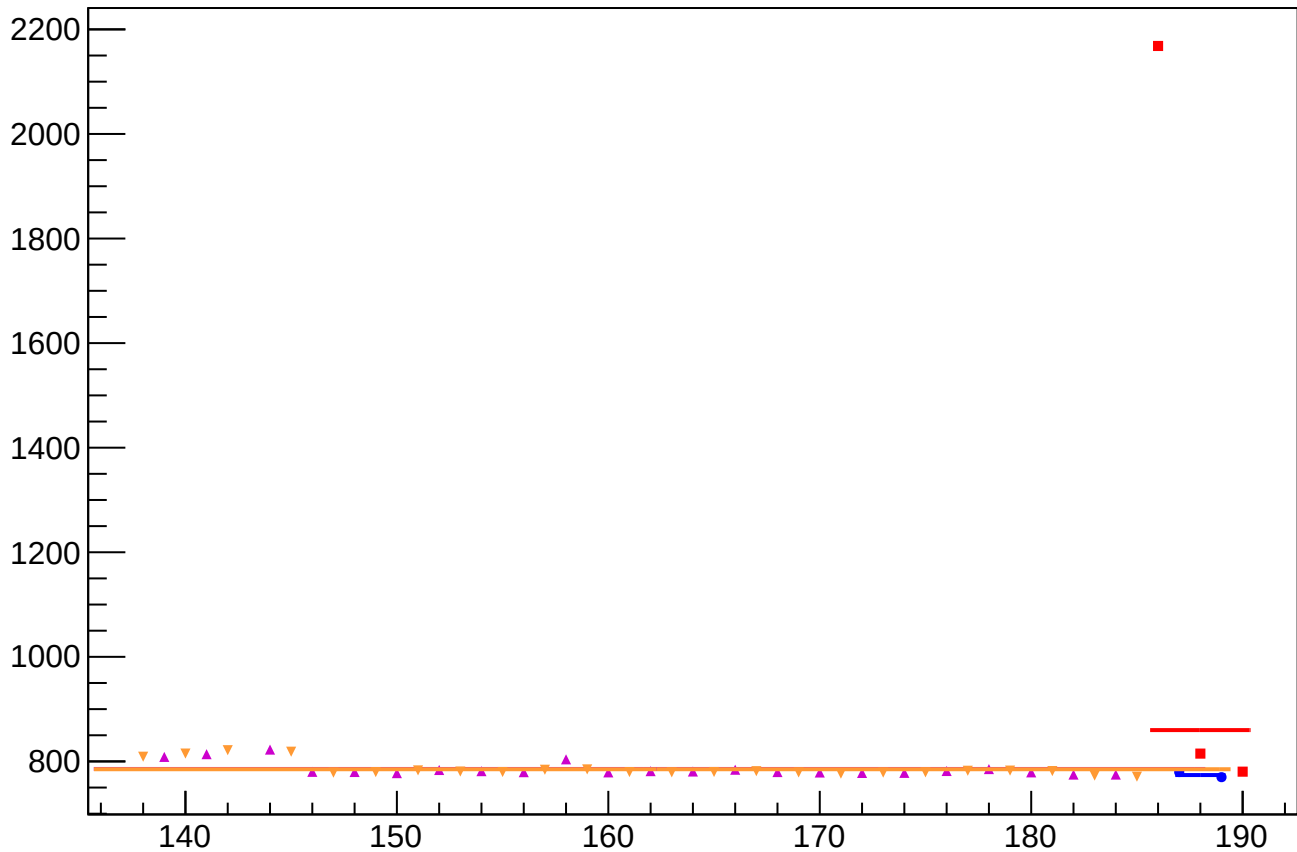
Left In: 187.105 $\pm$ 189.265 χ^2 /NDF: 25.6/22

+ sign -335.286 $\pm$ 184.630 χ^2 /NDF: 21.0/25

All: -83.007 $\pm$ 129.927 χ^2 /NDF: 50.9/51

- sign 164.494 $\pm$ 182.873 χ^2 /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

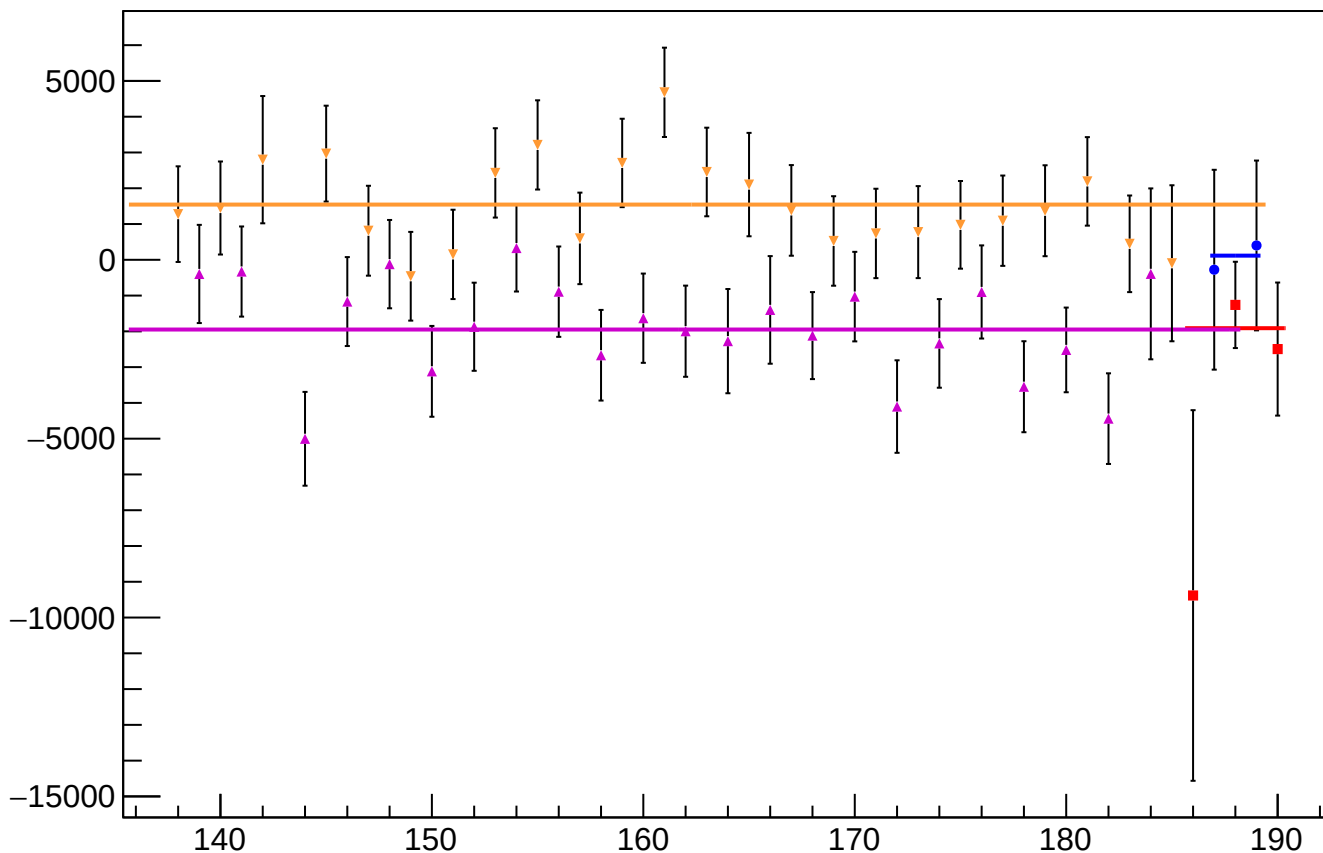
Left In: 785.562 ± 0.134 χ^2/NDF : 9033.0/22

+ 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

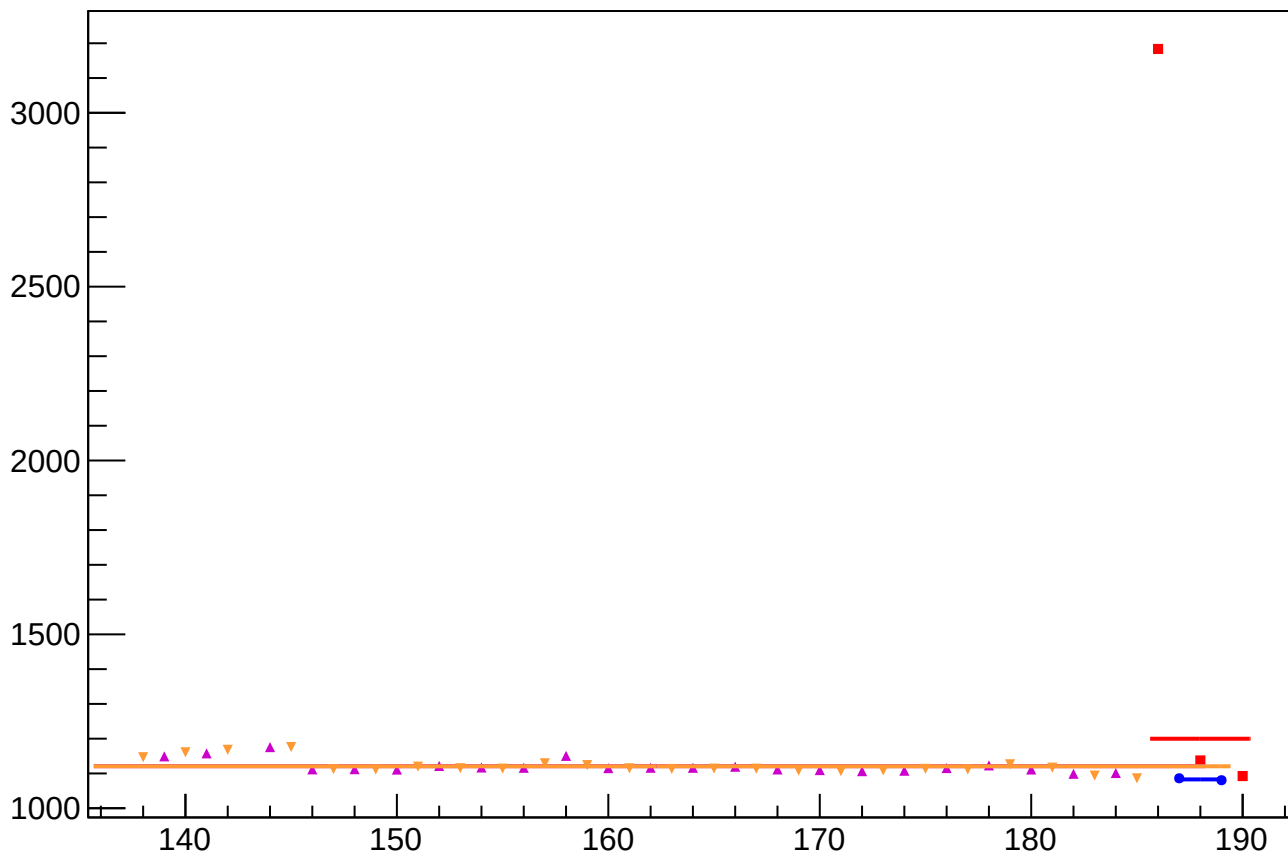
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ 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

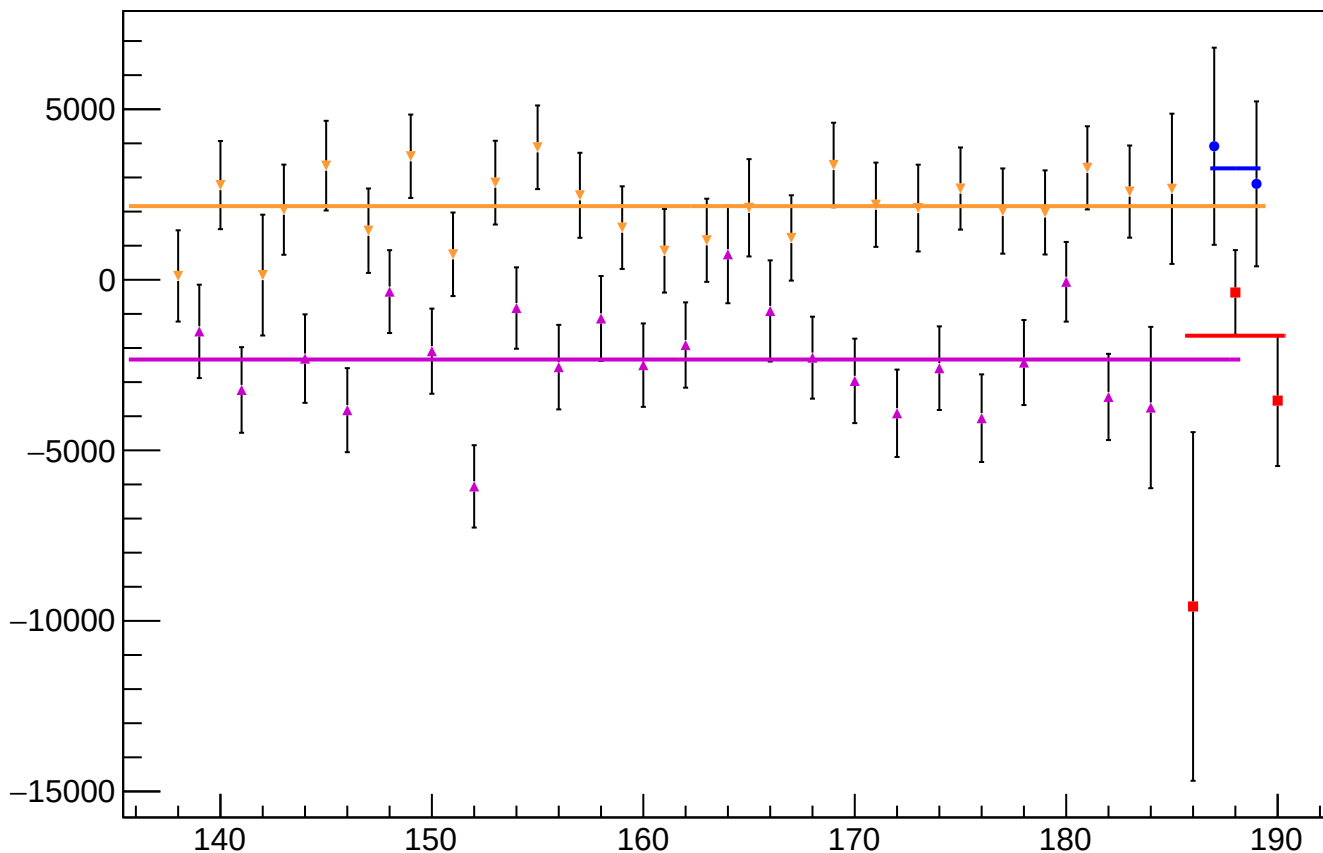
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

+ 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 ± 1854.338 χ^2/NDF : 0.1/1

Left Out: 2159.879 ± 257.526 χ^2/NDF : 15.0/24

Right Out: -1639.449 ± 1022.123 χ^2/NDF : 4.4/2

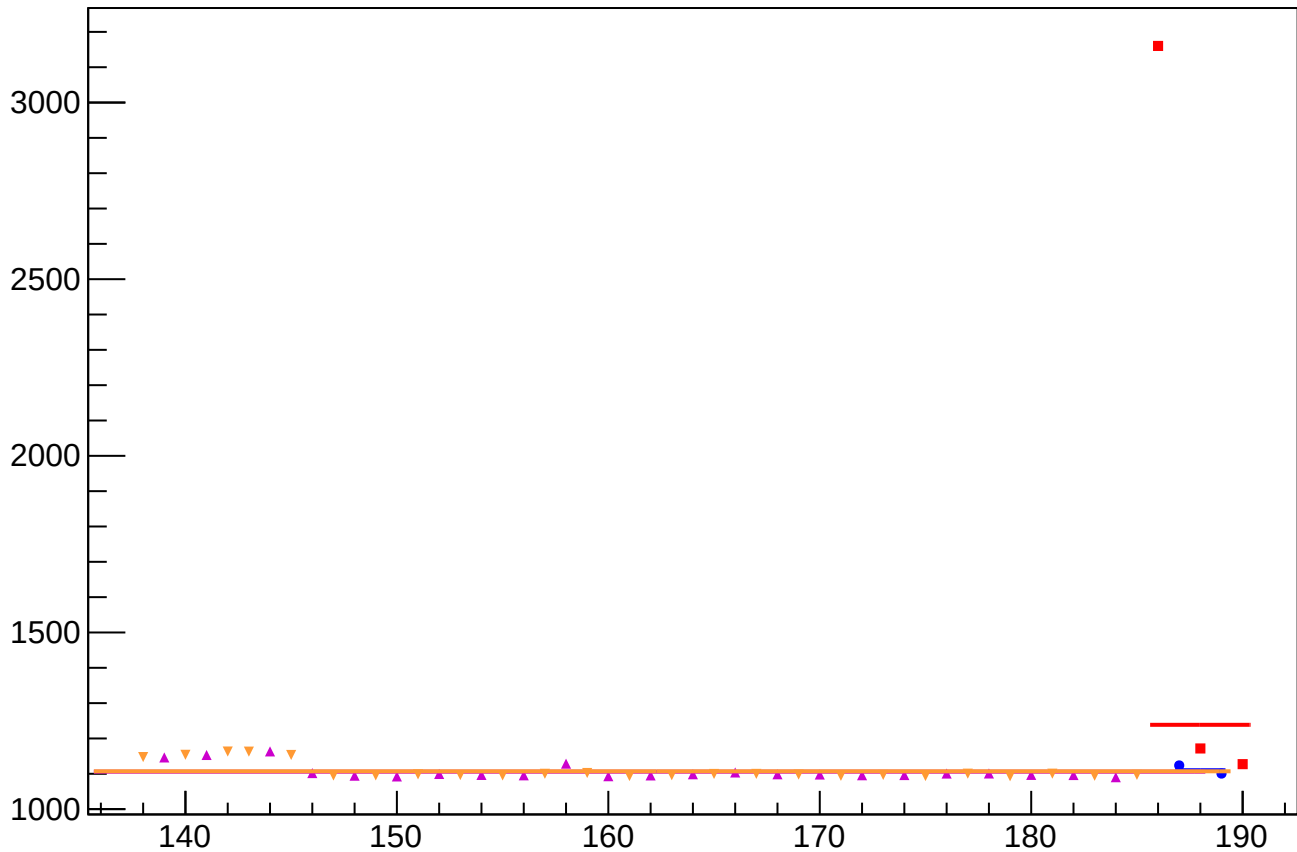
Left In: -2337.232 ± 266.468 χ^2/NDF : 31.3/22

+ sign 2180.827 ± 255.078 χ^2/NDF : 15.4/26

All: -31.822 ± 181.339 χ^2/NDF : 203.7/52

- sign -2292.825 ± 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

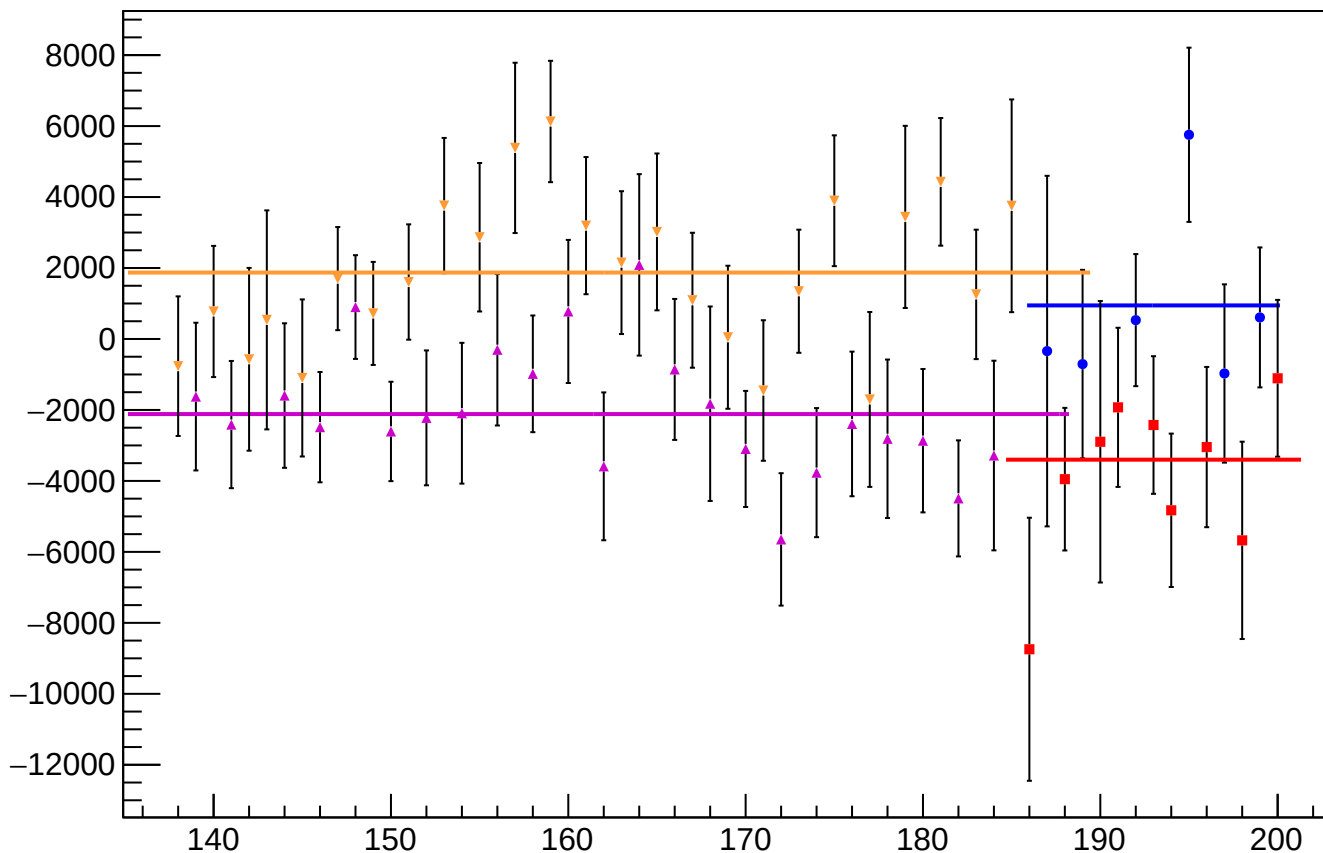
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

+ 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: 945.965 $\pm$ 974.473 χ^2 /NDF: 5.0/5

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

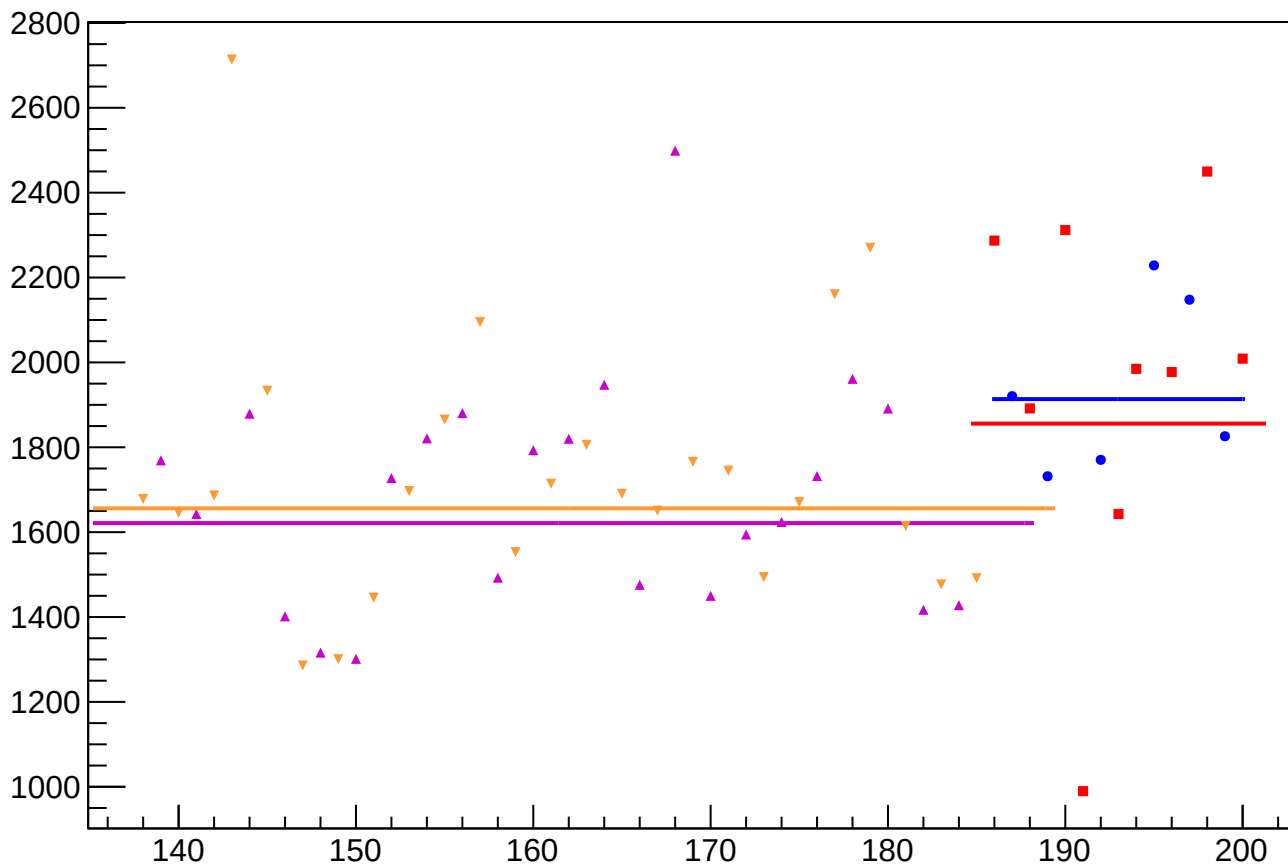
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1742.888 $\pm$ 363.425 χ^2 /NDF: 31.9/30

All: -378.813 $\pm$ 252.867 χ^2 /NDF: 123.9/62

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

asym_us_agg_avg_rms vs Slug



Right In: 1913.552+/-0.689 χ^2/NDF : 75464.1/5

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

Right Out: 1855.790+/-0.560 χ^2/NDF : 490400.8/8

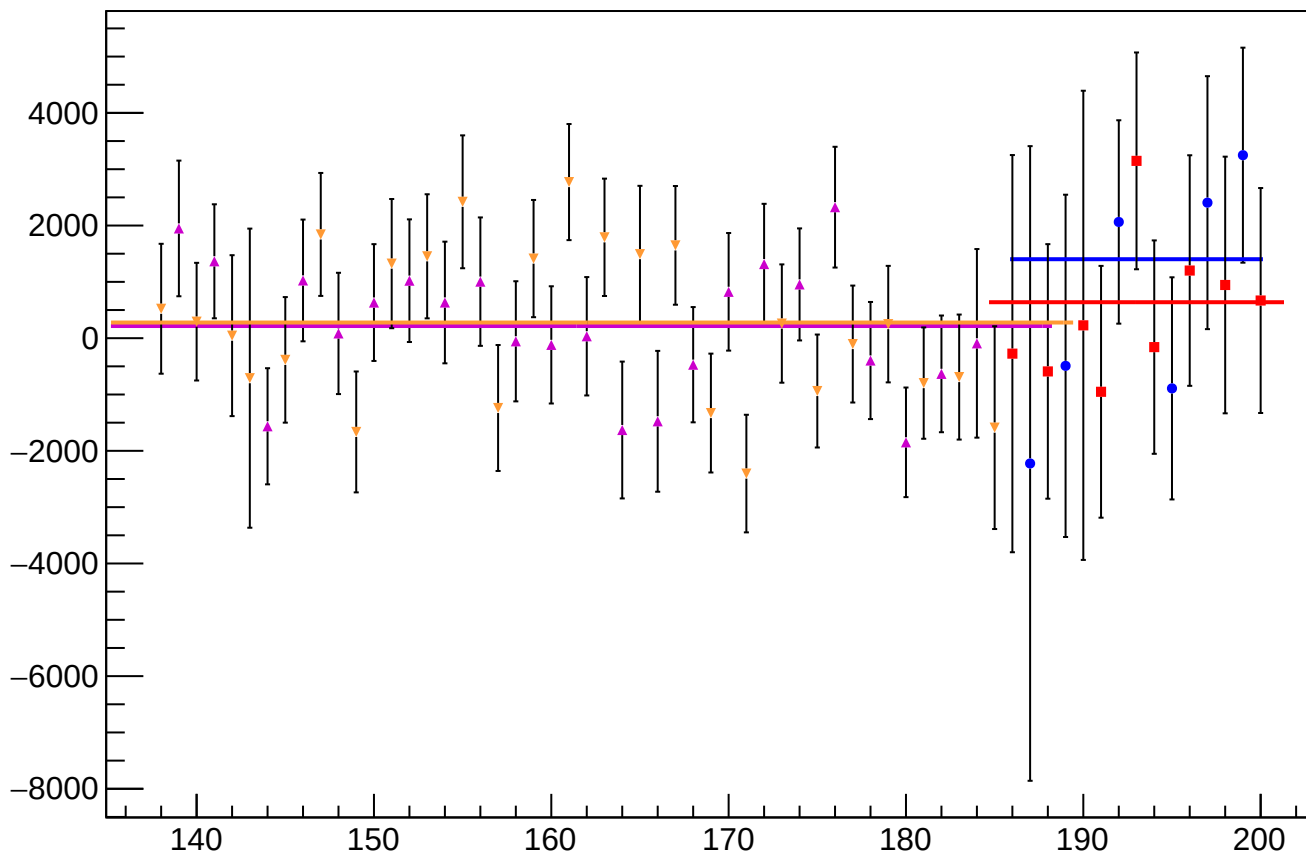
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1691.925+/-0.257 χ^2/NDF : 1106201.9/30

All: 1679.428+/-0.179 χ^2/NDF : 2516967.5/62

- sign 1667.700+/-0.249 χ^2/NDF : 1406181.4/31

asym_us_agg_dd_mean vs Slug



Right In: 1402.231 $\pm$ 921.933 χ^2 /NDF: 3.4/5

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

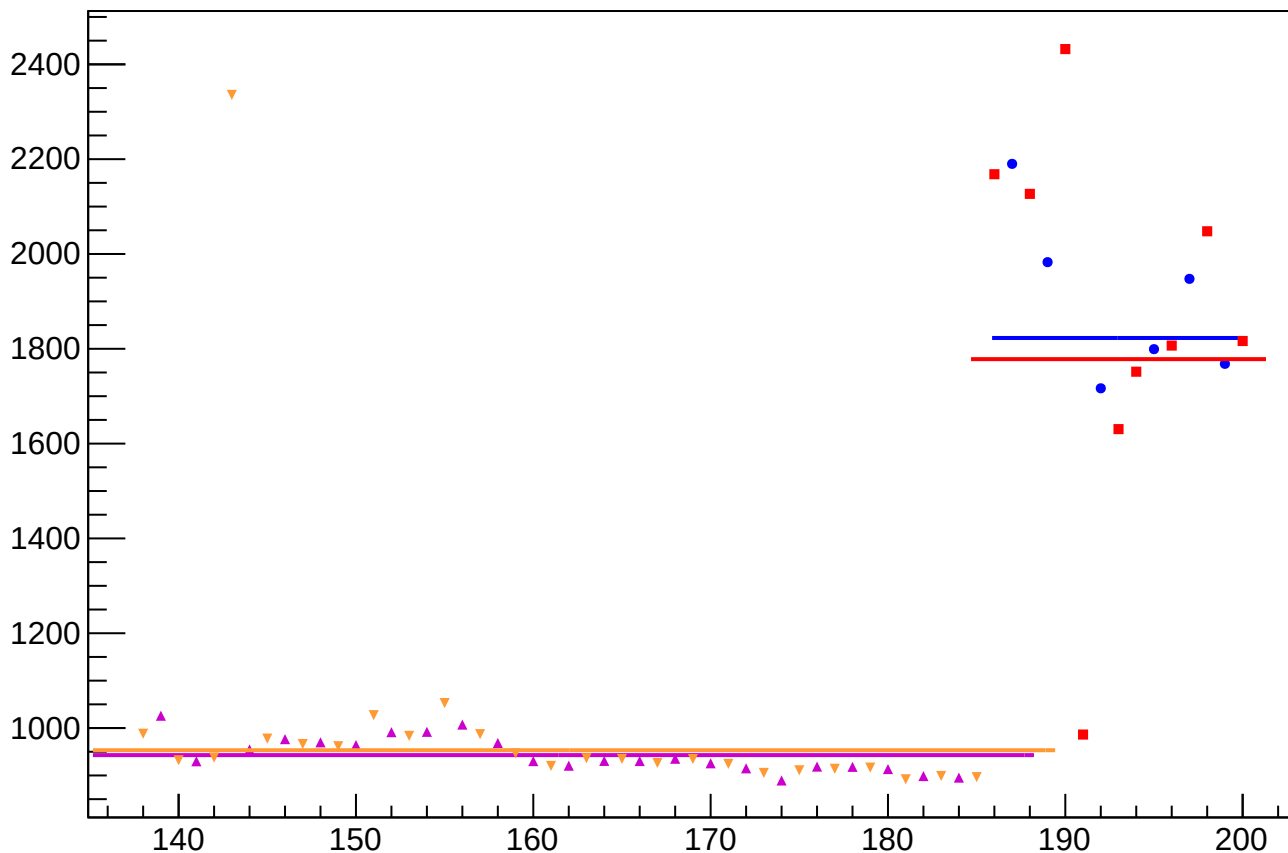
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 340.532 $\pm$ 217.283 χ^2 /NDF: 43.2/30

All: 295.497 $\pm$ 153.224 χ^2 /NDF: 70.9/62

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

asym_us_agg_dd_rms vs Slug



Right In: 1822.841+/-0.652 χ^2/NDF : 29041.2/5

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

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

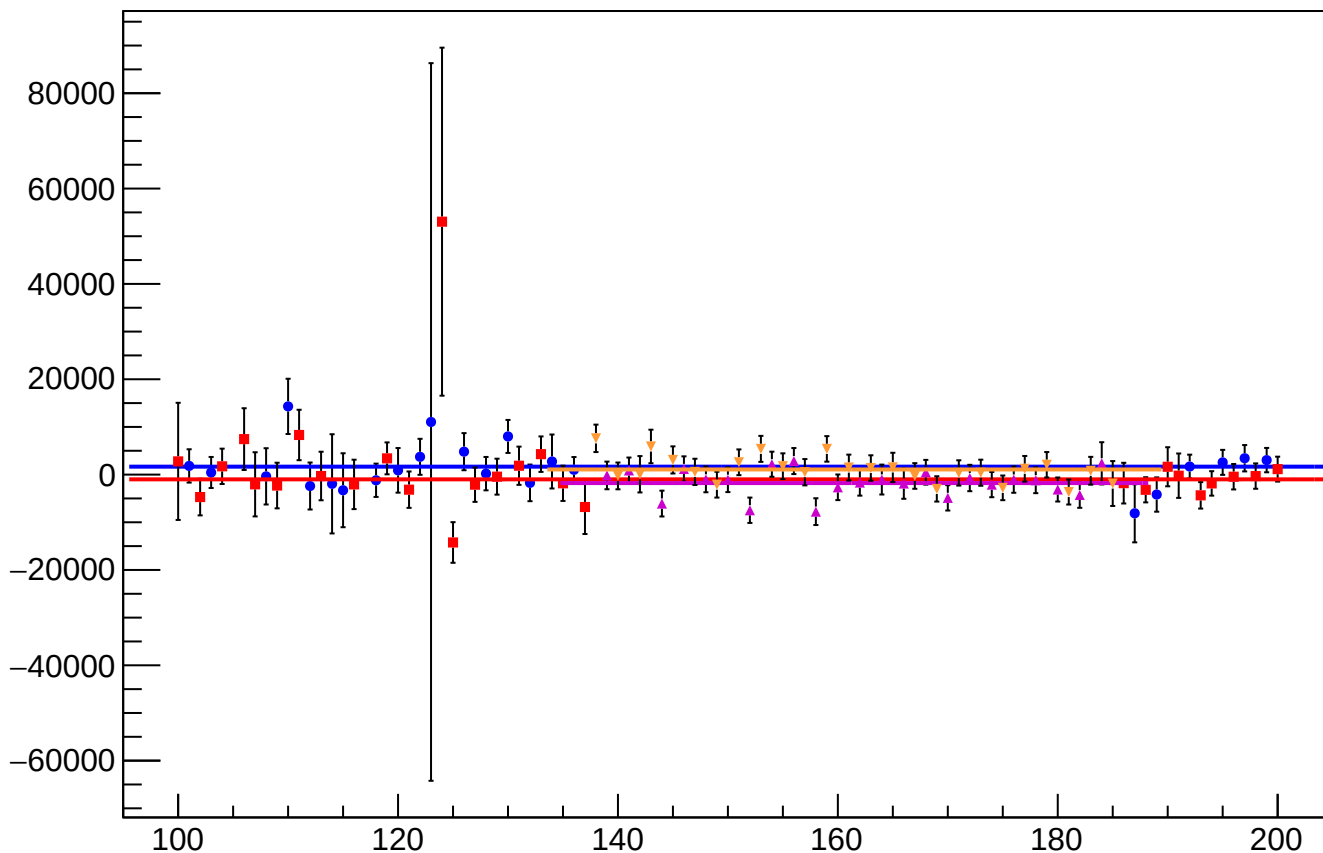
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1001.525+/-0.154 χ^2/NDF : 2315943.6/30

All: 1006.673+/-0.108 χ^2/NDF : 5039767.9/62

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

reg_asym_atl1_mean vs Slug



Right In: 1666.494 $\pm$ 775.139 χ^2 /NDF: 18.3/22

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

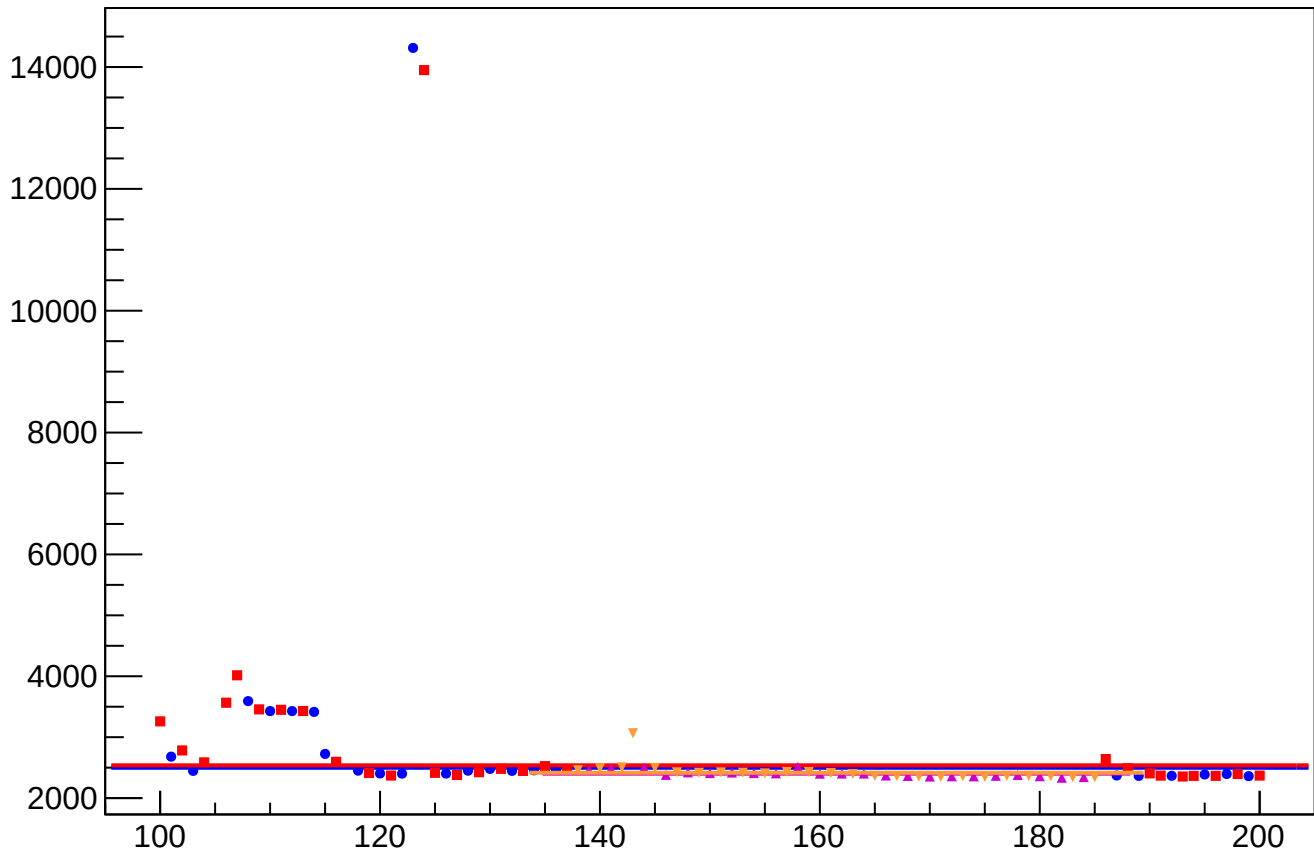
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1281.749 $\pm$ 456.056 χ^2 /NDF: 42.3/47

All: -117.390 $\pm$ 319.663 χ^2 /NDF: 113.3/98

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

reg_asym_atl1_rms vs Slug



Right In: 2498.135+/-0.548 χ^2/NDF : 290261.0/22

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

Right Out: 2538.266+/-0.505 χ^2/NDF : 615107.8/27

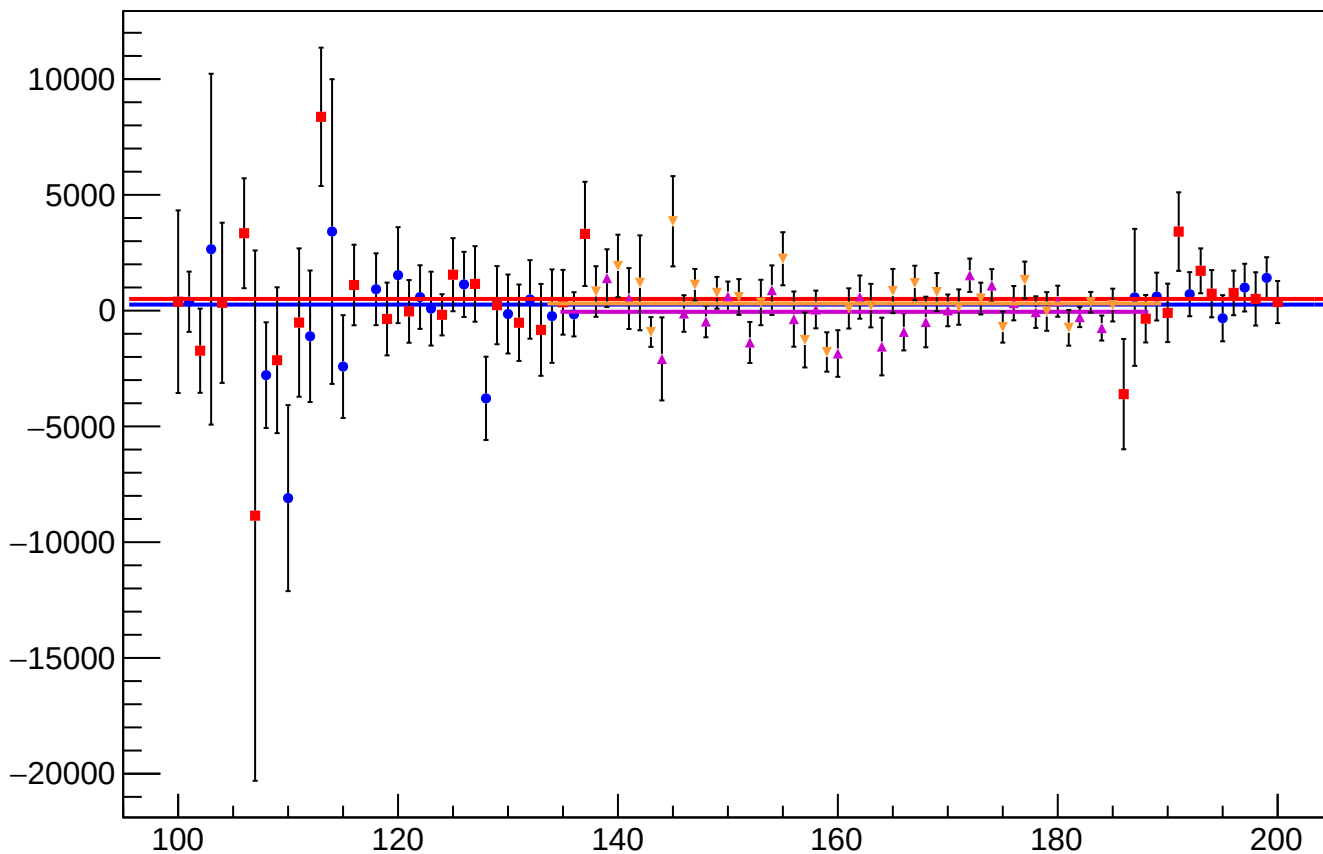
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2444.445+/-0.322 χ^2/NDF : 387572.6/47

All: 2450.009+/-0.226 χ^2/NDF : 1061543.1/98

- sign 2455.383+/-0.317 χ^2/NDF : 673385.2/50

asym_atl1_correction_mean vs Slug



Right In: 260.988 $\pm$ 301.565 χ^2 /NDF: 17.4/22

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

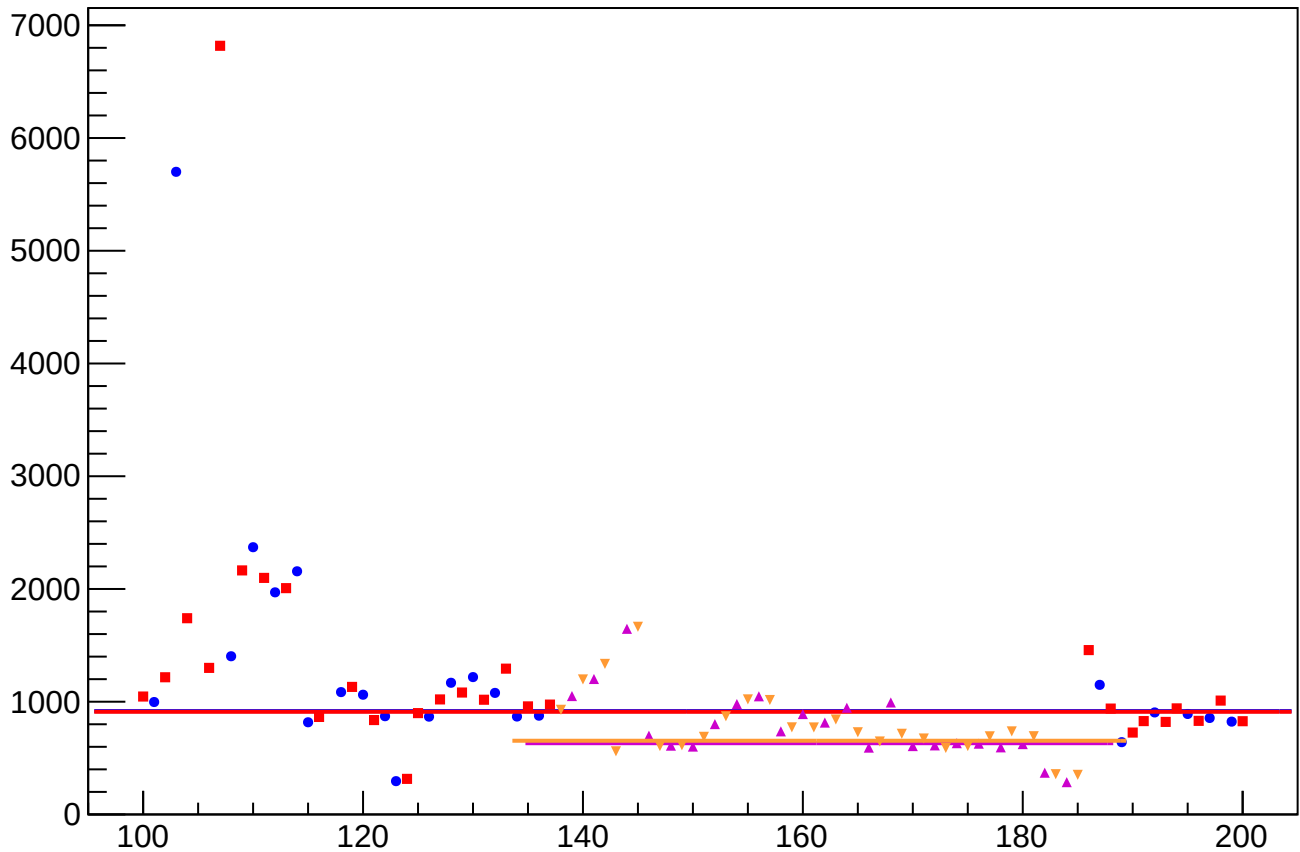
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF: 23.8/22

+ sign 299.845 $\pm$ 141.786 χ^2 /NDF: 47.2/47

All: 193.601 $\pm$ 99.463 χ^2 /NDF: 99.3/98

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

asym_atl1_correction_rms vs Slug



Right In: 916.748 $\pm$ 0.213 χ^2 /NDF: 2158900.3/22

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

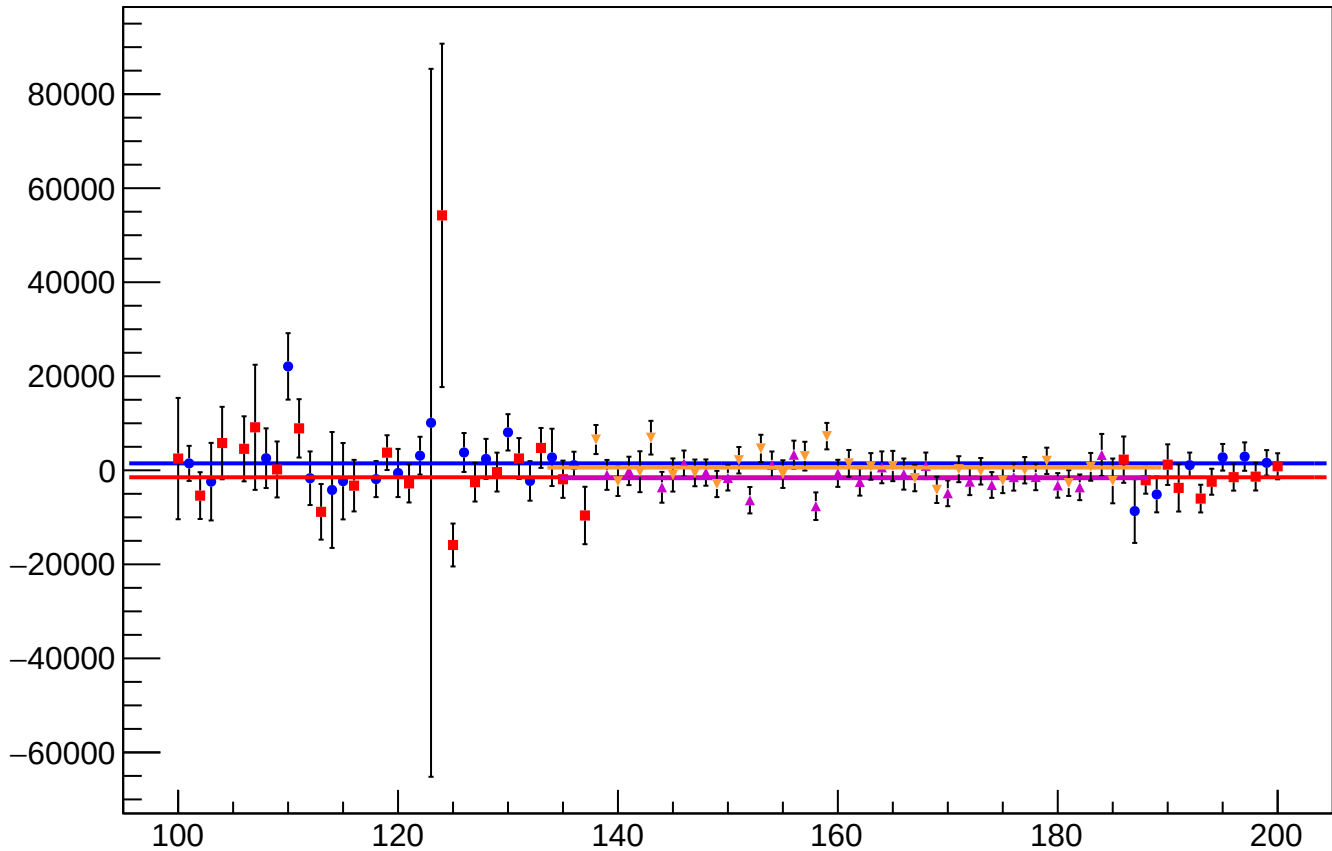
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 711.929 $\pm$ 0.100 χ^2 /NDF: 6598012.8/47

All: 707.527 $\pm$ 0.070 χ^2 /NDF: 14961433.1/98

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

asym_atl1_mean vs Slug



Right In: 1476.149 $\pm$ 863.972 χ^2 /NDF: 20.4/22

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

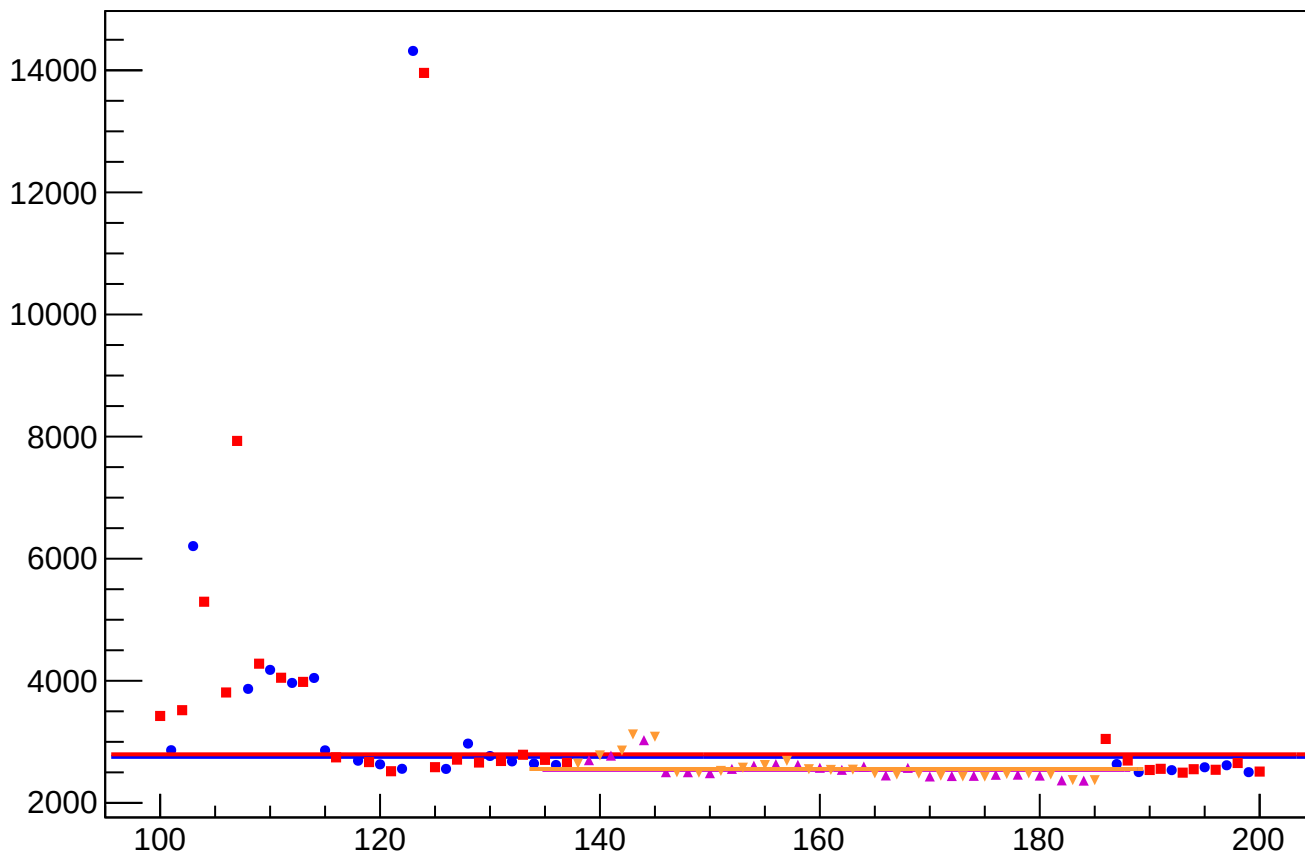
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 870.316 $\pm$ 491.247 χ^2 /NDF: 46.5/47

All: -385.413 $\pm$ 344.932 χ^2 /NDF: 108.9/98

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

asym_atl1_rms vs Slug



Right In: 2754.333 ± 0.611 $\chi^2/NDF: 727395.0/22$

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

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

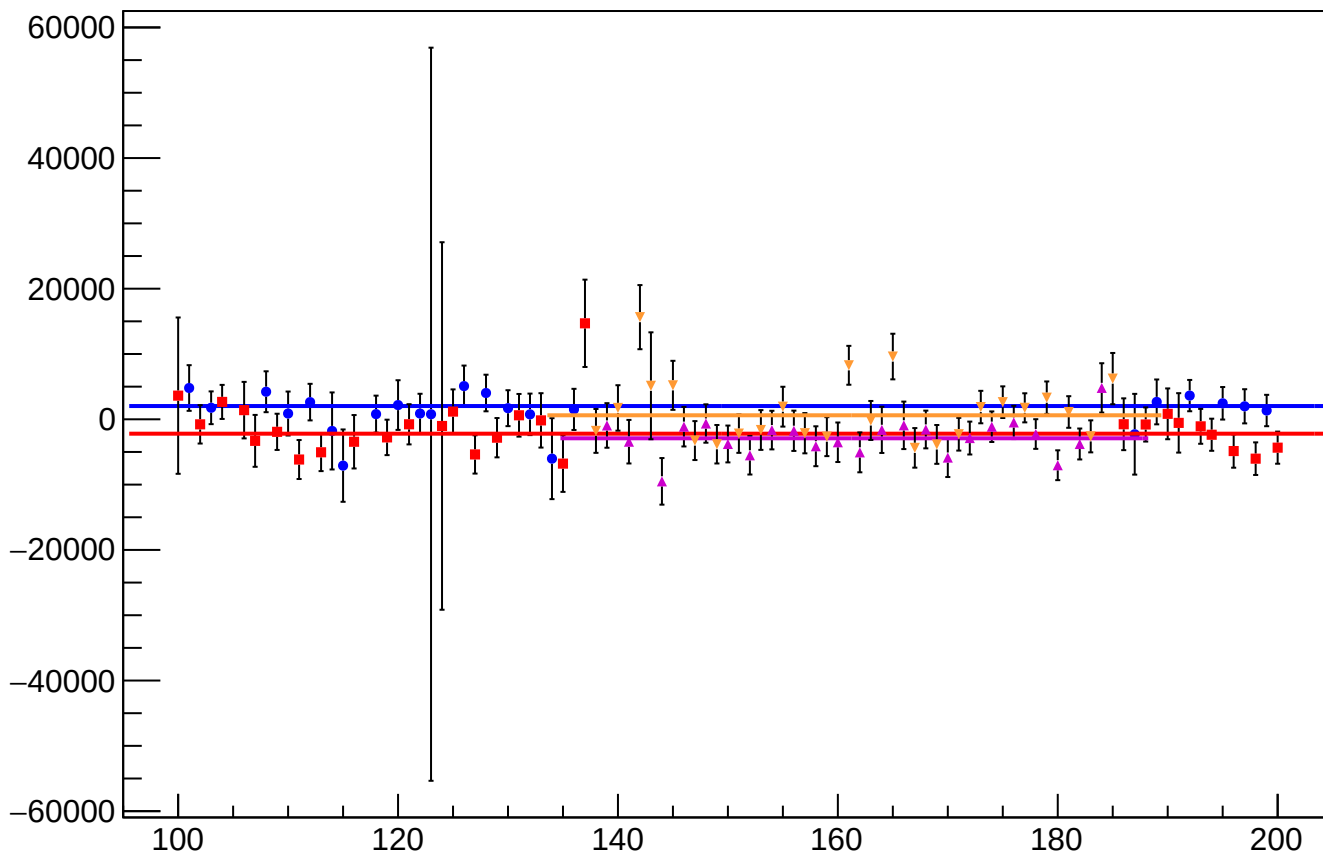
Left In: 2540.988 ± 0.431 $\chi^2/NDF: 94756.7/22$

+ sign 2619.632 ± 0.347 $\chi^2/NDF: 953979.2/47$

All: 2627.440 ± 0.244 $\chi^2/NDF: 2369000.4/98$

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

reg_asym_atl2_mean vs Slug



Right In: 2031.149 $\pm$ 662.776 χ^2 /NDF: 9.2/22

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

Right Out: -2202.262 $\pm$ 608.290 χ^2 /NDF: 24.1/27

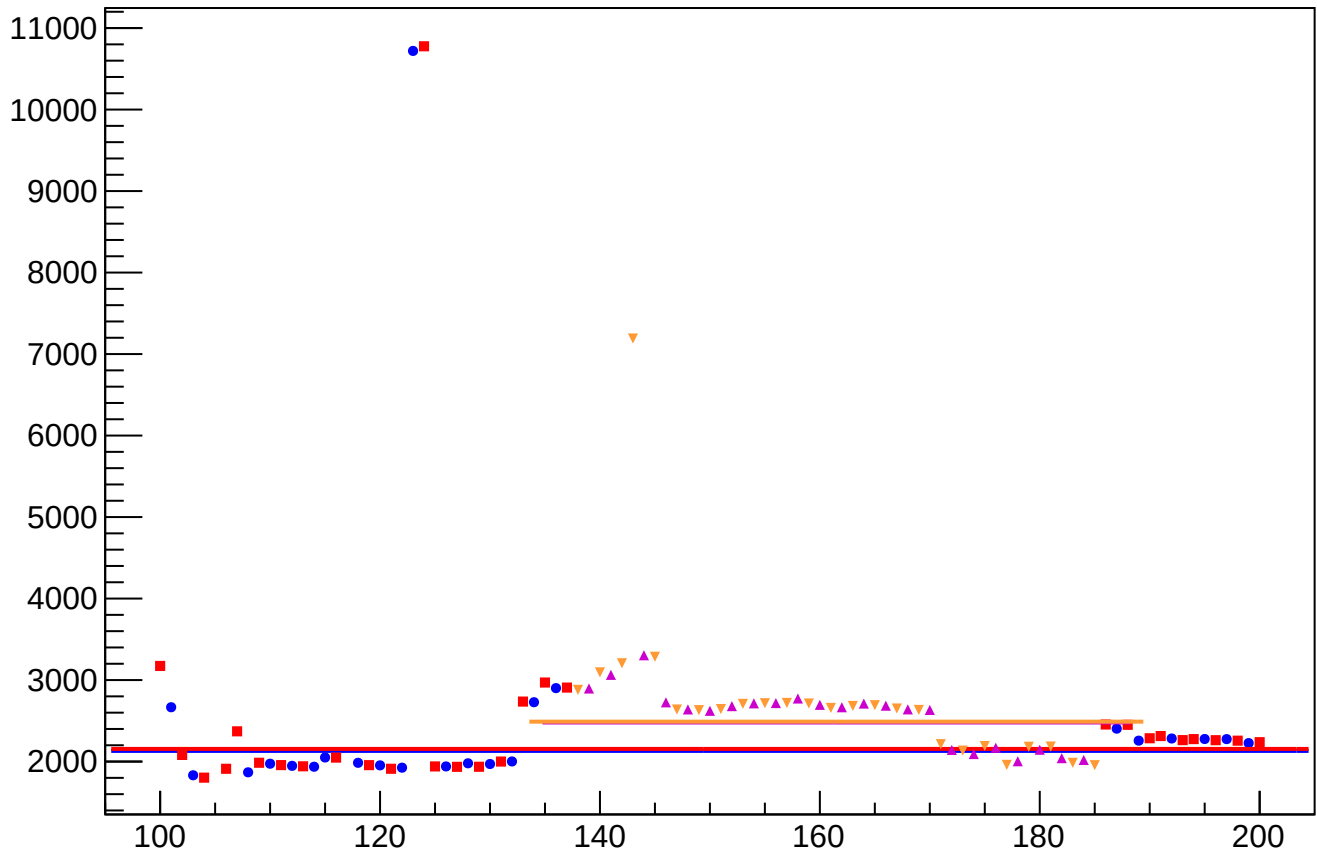
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF:17.4/22

+ sign 1242.368 $\pm$ 441.163 χ^2 /NDF: 56.9/47

All: -720.998 $\pm$ 306.837 χ^2 /NDF: 137.4/98

- sign -2560.727 $\pm$ 427.047 χ^2 /NDF: 42.1/50

reg_asym_atl2_rms vs Slug



Right In: 2130.691+/-0.469 χ^2/NDF : 363270.4/22

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

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

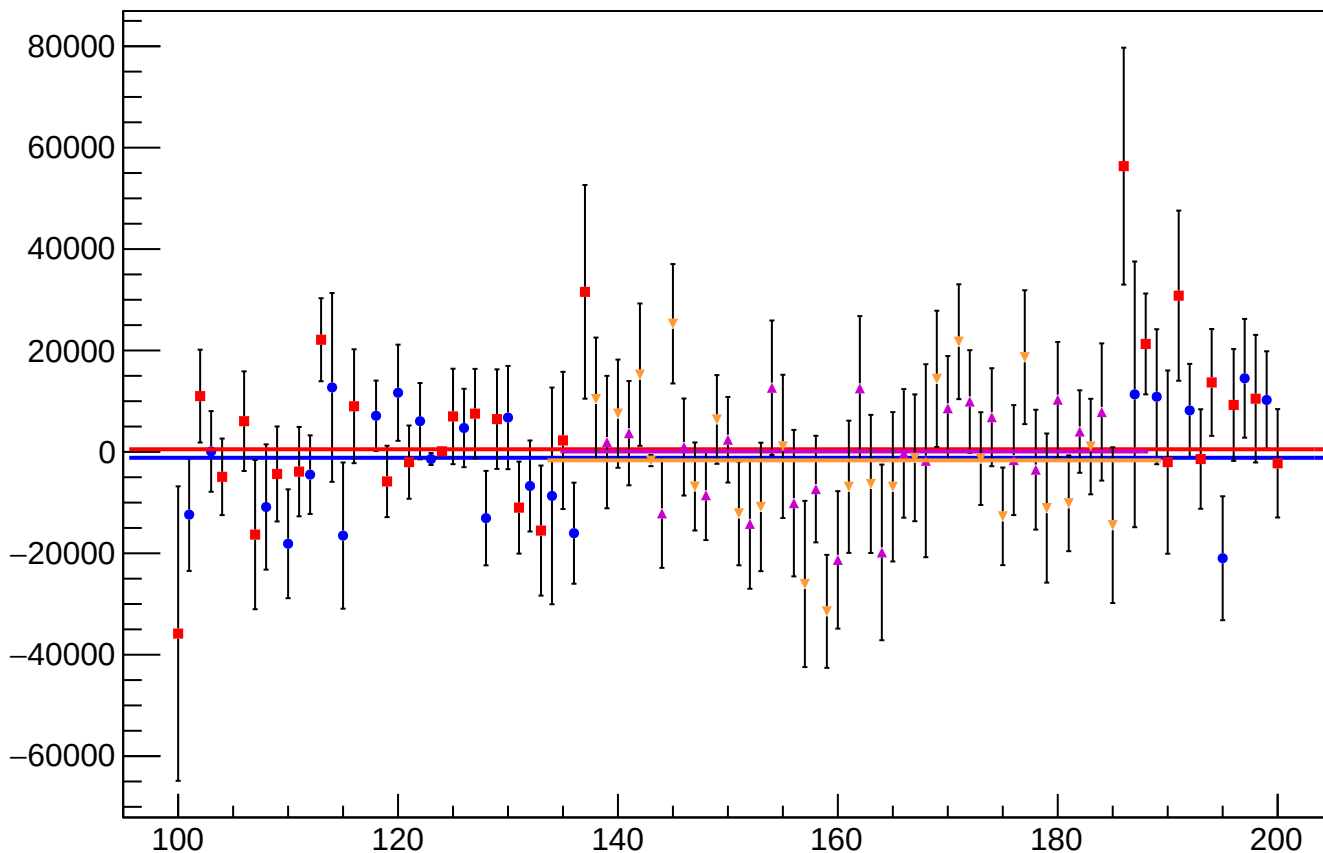
Left In: 2479.348+/-0.424 χ^2/NDF :668398.2/22

+ sign 2330.568+/-0.312 χ^2/NDF : 2054072.1/47

All: 2324.893+/-0.217 χ^2/NDF : 3543839.1/98

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

asym_atl2_correction_mean vs Slug



Right In: -1163.959 $\pm$ 1029.878 χ^2 /NDF: 23.7/22

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

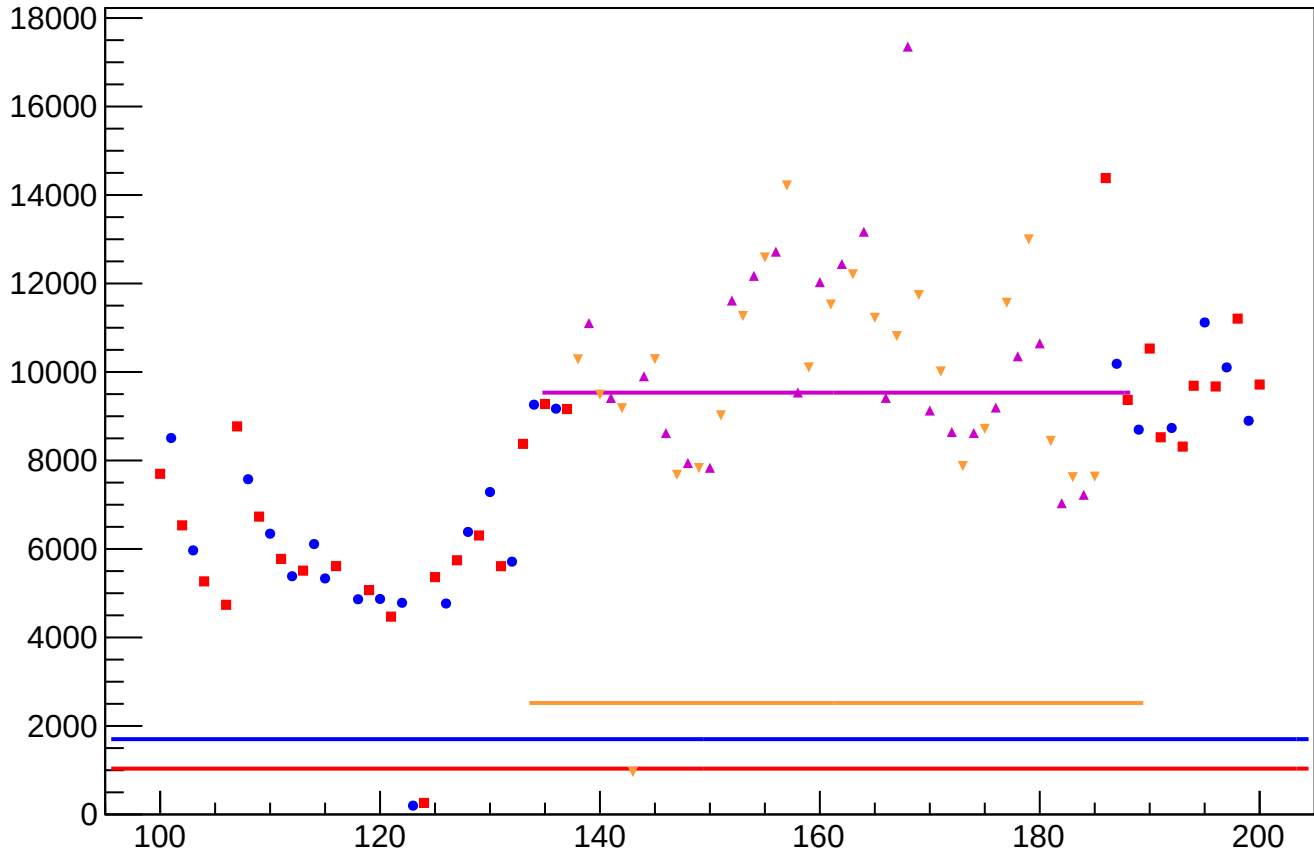
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1423.812 $\pm$ 714.861 χ^2 /NDF: 56.2/47

All: -389.454 $\pm$ 483.915 χ^2 /NDF: 111.3/98

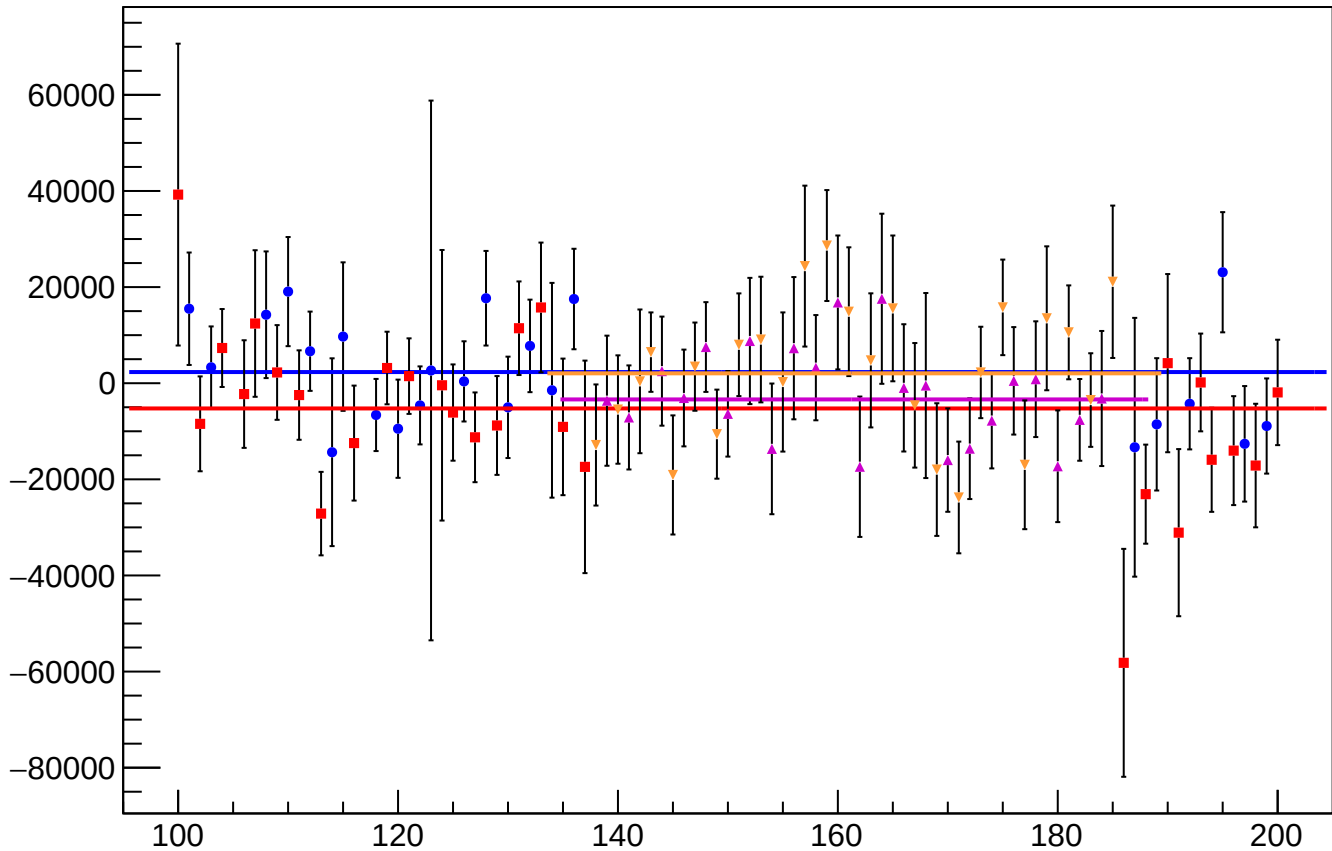
- sign 485.449 $\pm$ 657.455 χ^2 /NDF: 51.3/50

asym_atl2_correction_rms vs Slug



Right In: 1701.572+/-0.728	χ^2/NDF : 15556632.4/22	+ sign 2125.345+/-0.505	χ^2/NDF : 39852228.4/47
Left Out: 2519.359+/-0.702	χ^2/NDF : 23642118.3/24	All: 1901.093+/-0.342	χ^2/NDF : 86976414.4/50
Right Out: 1035.704+/-0.485	χ^2/NDF : 20988378.9/27	- sign 1711.413+/-0.465	χ^2/NDF : 46760898.6/50
Left In: 9533.563+/-1.649	χ^2/NDF : 1316640.0/22		

asym_atl2_mean vs Slug



Right In: 2322.976 $\pm$ 2259.372 χ^2/NDF : 21.5/22

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

Right Out: -5250.615 $\pm$ 2096.446 χ^2/NDF : 34.8/27

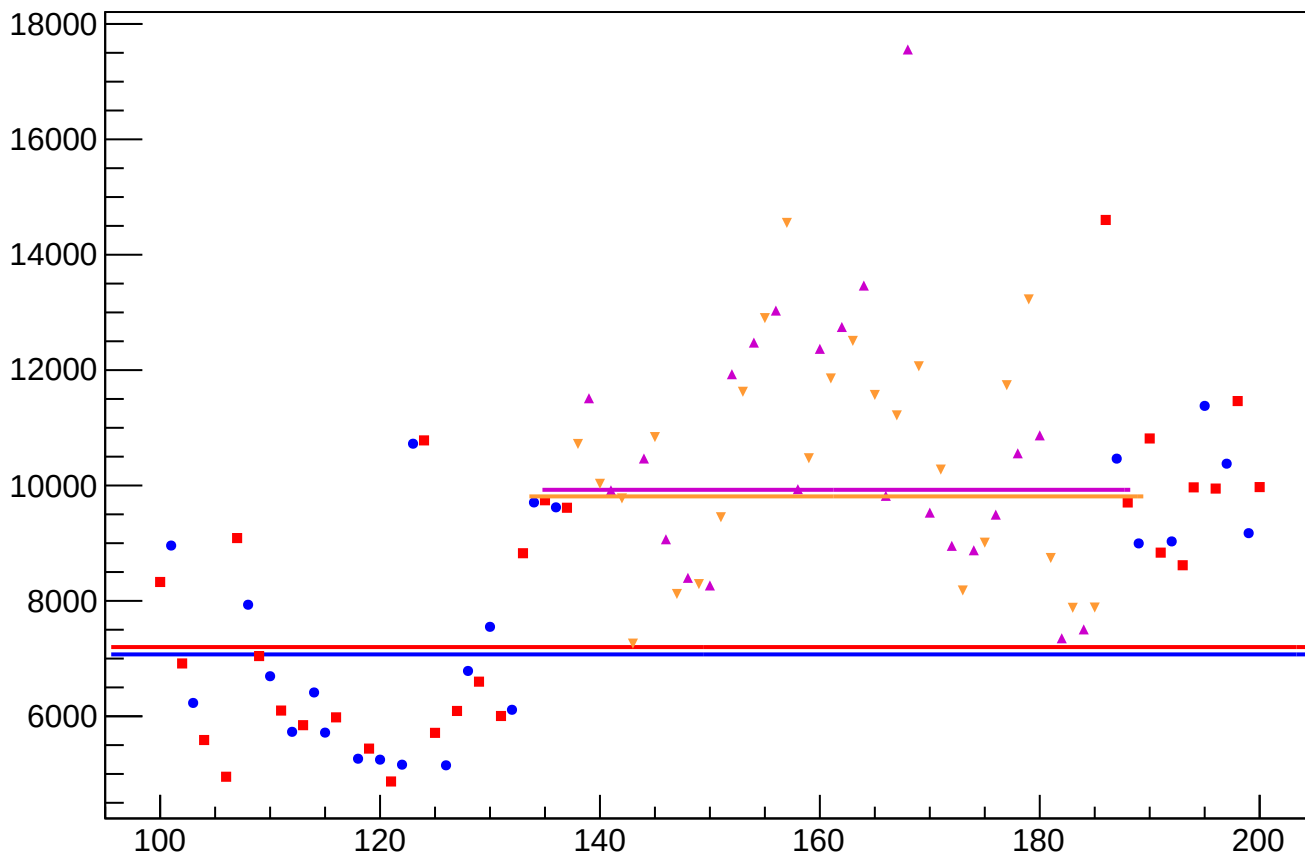
Left In: -3371.931 $\pm$ 2423.242 χ^2/NDF : 13.1/22

+ sign 2193.771 $\pm$ 1623.189 χ^2/NDF : 52.2/47

All: -1204.389 $\pm$ 1134.193 χ^2/NDF : 109.0/98

- sign -4446.404 $\pm$ 1585.458 χ^2/NDF : 48.3/50

asym_atl2_rms vs Slug



Right In: 7072.246+/-1.598 χ^2/NDF : 1365546.3/22

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

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

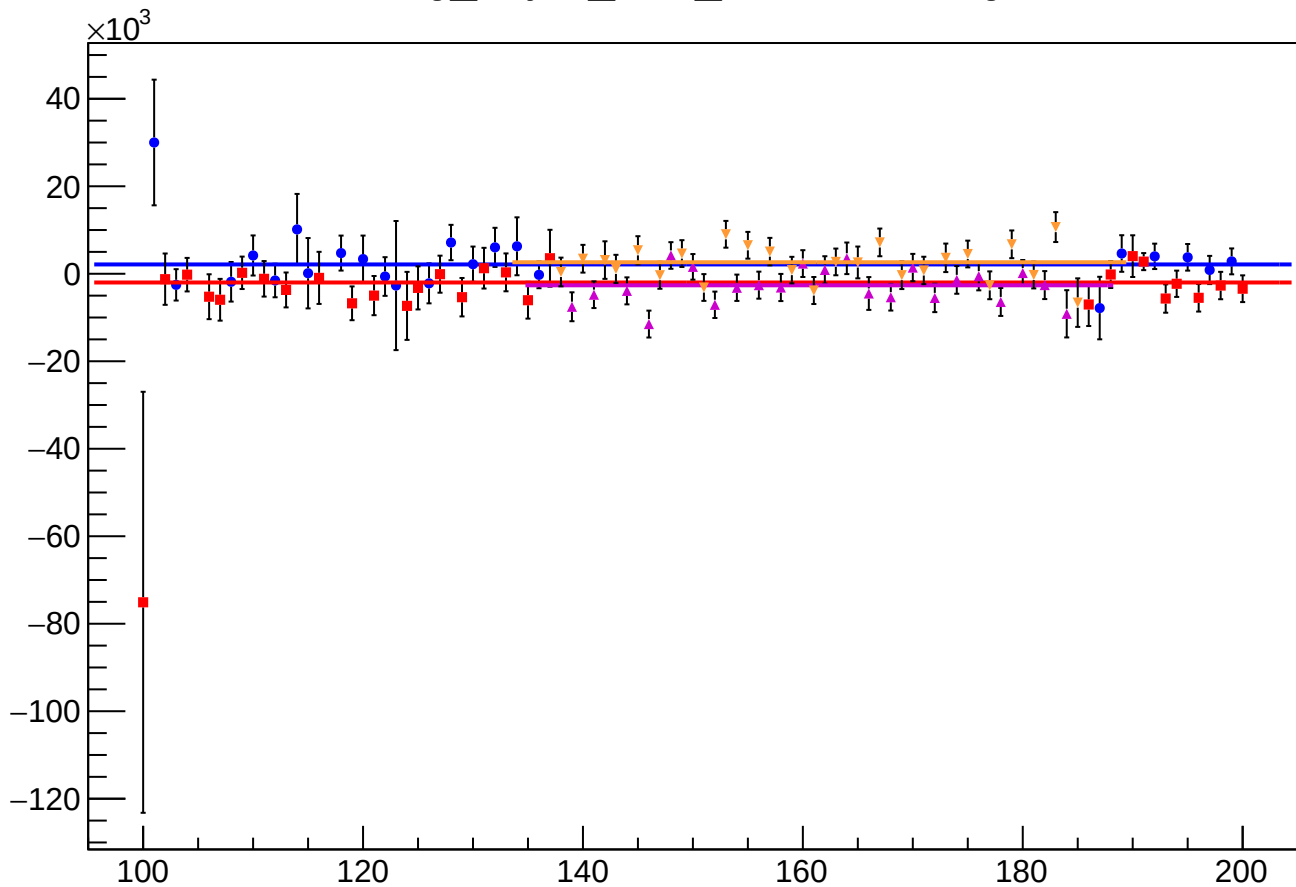
Left In: 9925.337+/-1.713 χ^2/NDF :1211554.7/22

+ sign 8397.456+/-1.148 χ^2/NDF : 4001389.8/47

All: 8381.487+/-0.802 χ^2/NDF : 8538145.7/98

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

reg_asym_atr1_mean vs Slug



Right In: 2131.587 $\pm$ 878.645 χ^2 /NDF: 16.8/22

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

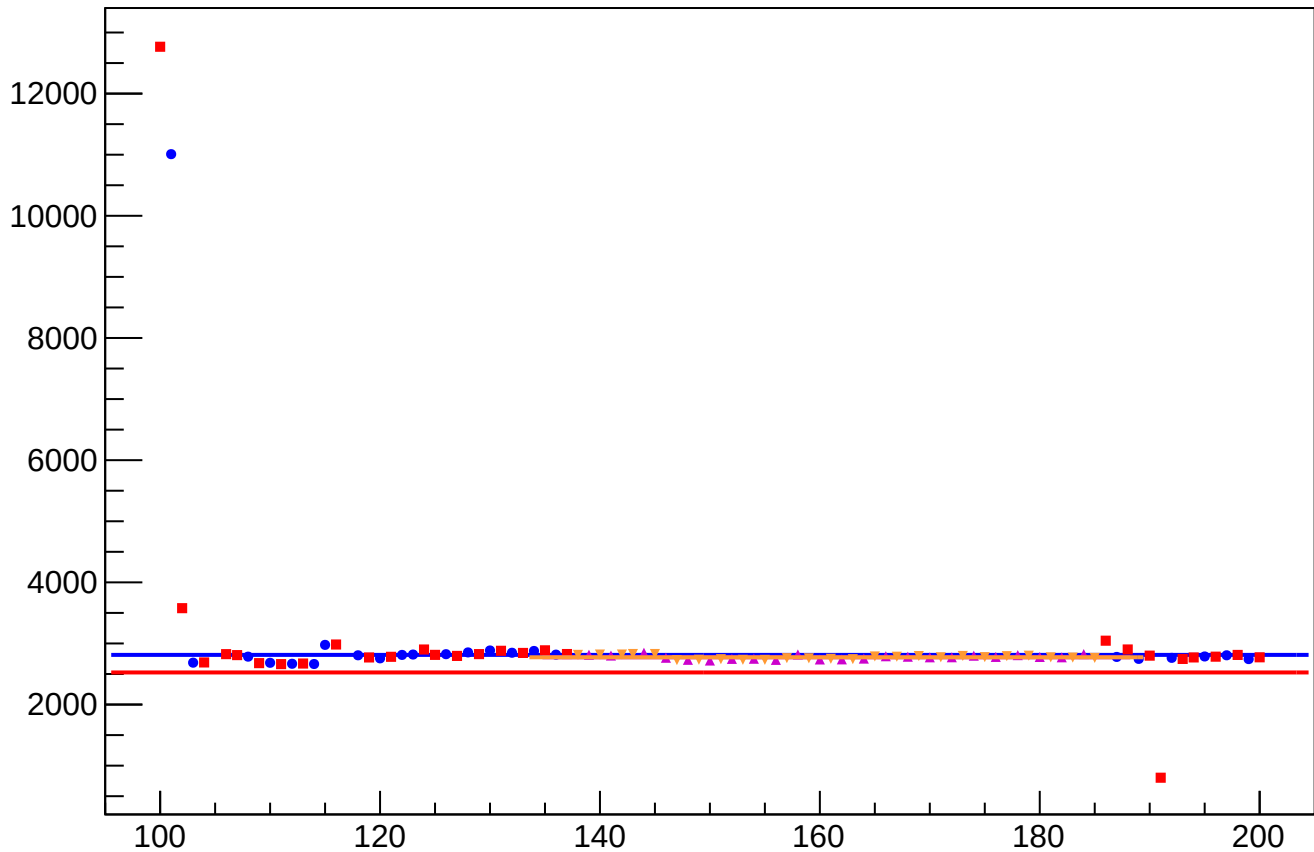
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF: 35.2/22

+ sign 2458.859 $\pm$ 520.531 χ^2 /NDF: 52.0/47

All: -72.285 $\pm$ 358.257 χ^2 /NDF: 154.4/98

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

reg_asym_atr1_rms vs Slug



Right In: 2812.893+/-0.621 χ^2/NDF : 663631.9/22

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

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

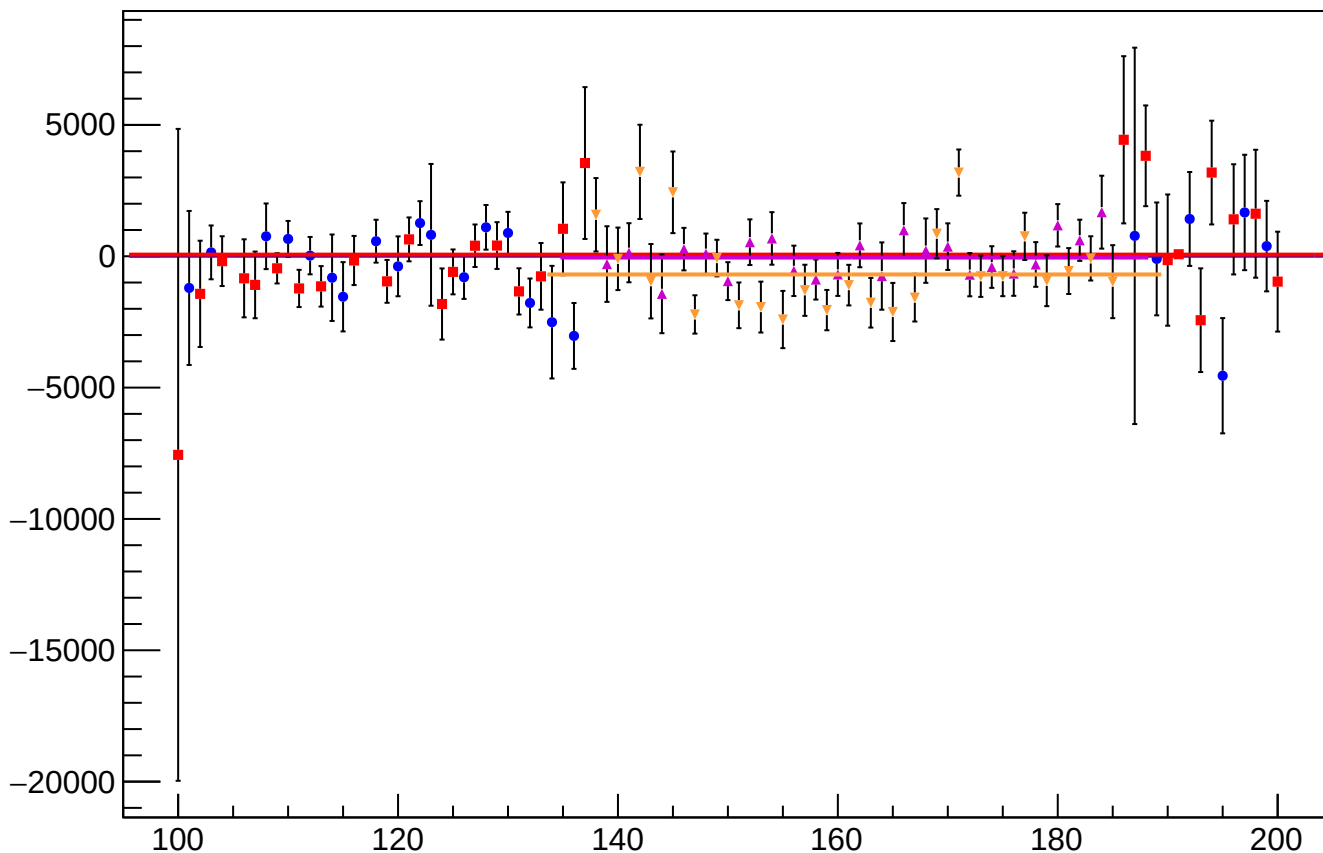
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2787.464+/-0.368 χ^2/NDF : 670829.3/47

All: 2721.784+/-0.253 χ^2/NDF : 2829235.8/98

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

asym_atr1_correction_mean vs Slug



Right In: 22.208 $\pm$ 233.682 χ^2 /NDF: 26.4/22

Left Out: -692.808 $\pm$ 187.297 χ^2 /NDF:56.0/24

Right Out: 62.488 $\pm$ 37.893 χ^2 /NDF: 29.5/27

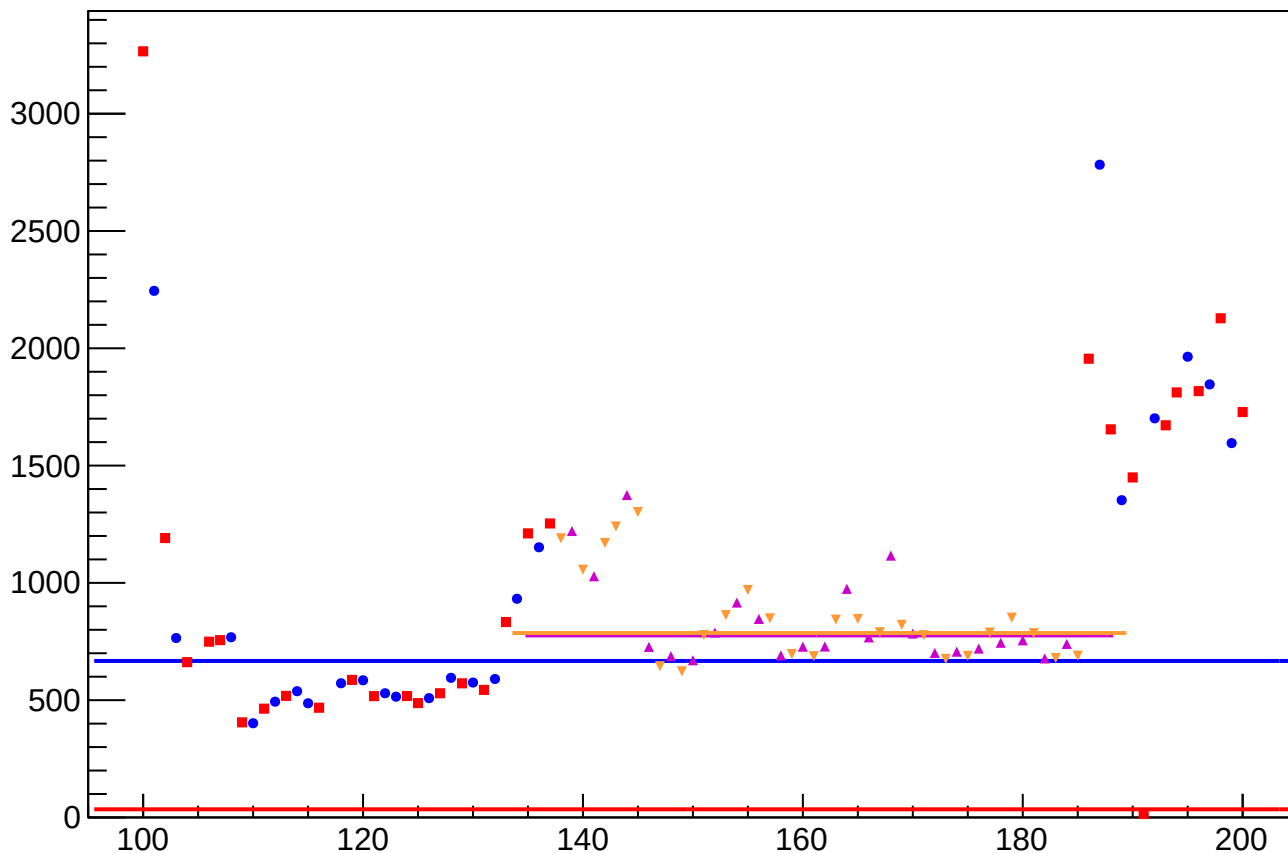
Left In: -49.244 $\pm$ 189.190 χ^2 /NDF:13.6/22

+ sign -413.138 $\pm$ 146.147 χ^2 /NDF: 88.0/47

All: 29.566 $\pm$ 36.010 χ^2 /NDF: 141.3/98

- sign 58.179 $\pm$ 37.155 χ^2 /NDF: 43.5/50

asym_atr1_correction_rms vs Slug



Right In: 667.165+/-0.165 χ^2/NDF : 4539015.7/22

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

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

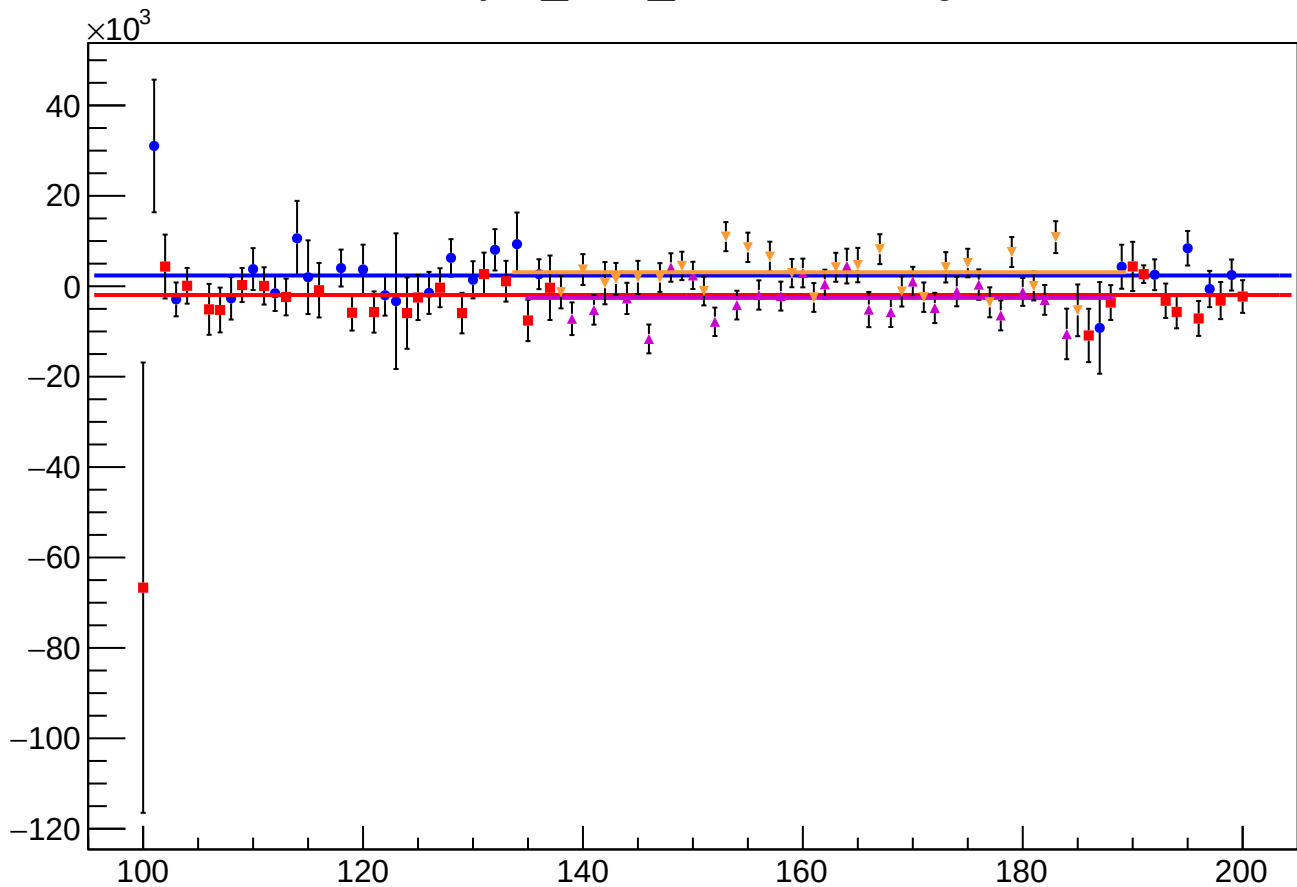
Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

+ sign 739.625+/-0.103 χ^2/NDF : 6104377.3/47

All: 104.365+/-0.025 χ^2/NDF : 99876047.3/98

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

asym_atr1_mean vs Slug



Right In: 2381.538 $\pm$ 958.930 χ^2 /NDF: 19.1/22

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

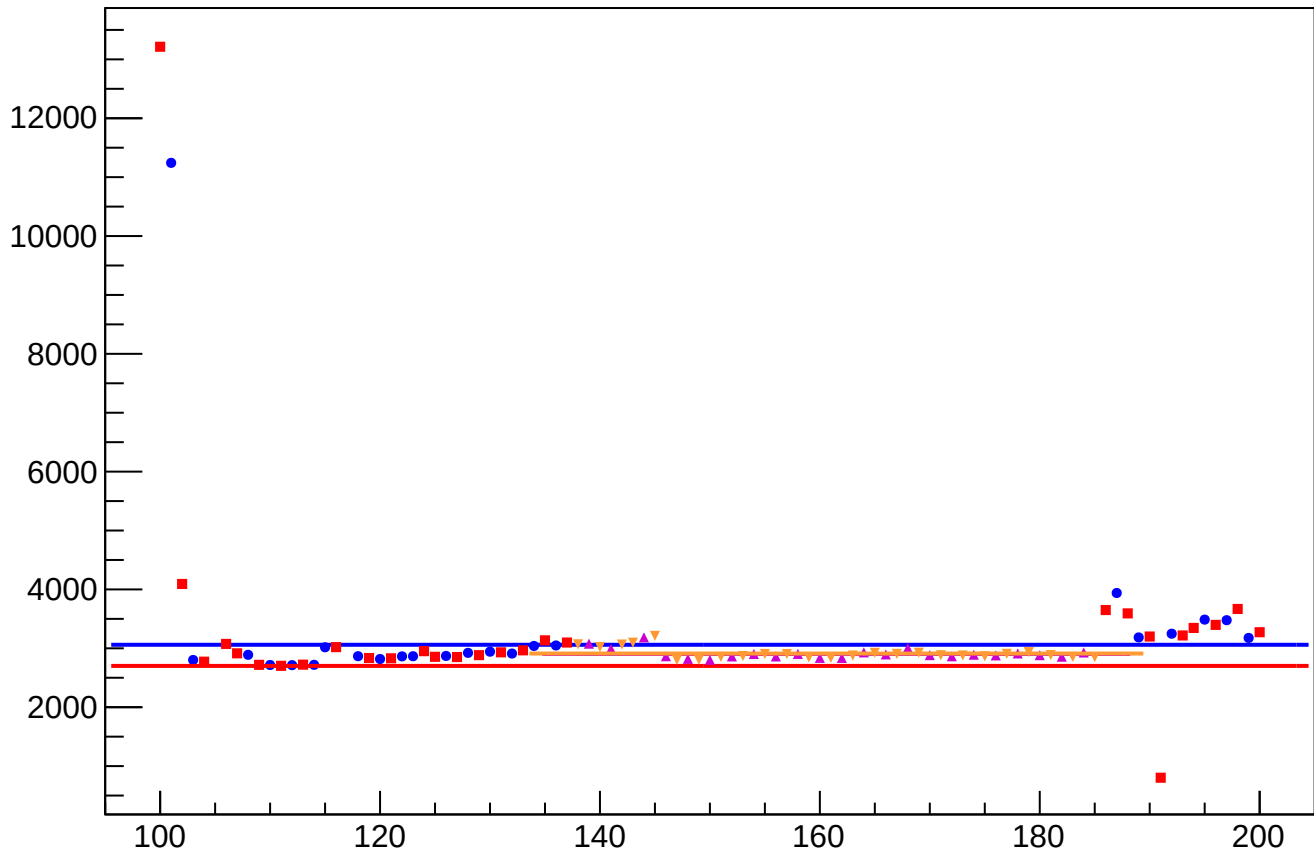
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2856.855 $\pm$ 553.880 χ^2 /NDF: 58.1/47

All: 145.023 $\pm$ 381.405 χ^2 /NDF: 162.2/98

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

asym_atr1_rms vs Slug



Right In: 3060.046+/-0.678 χ^2/NDF : 758078.1/22

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

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

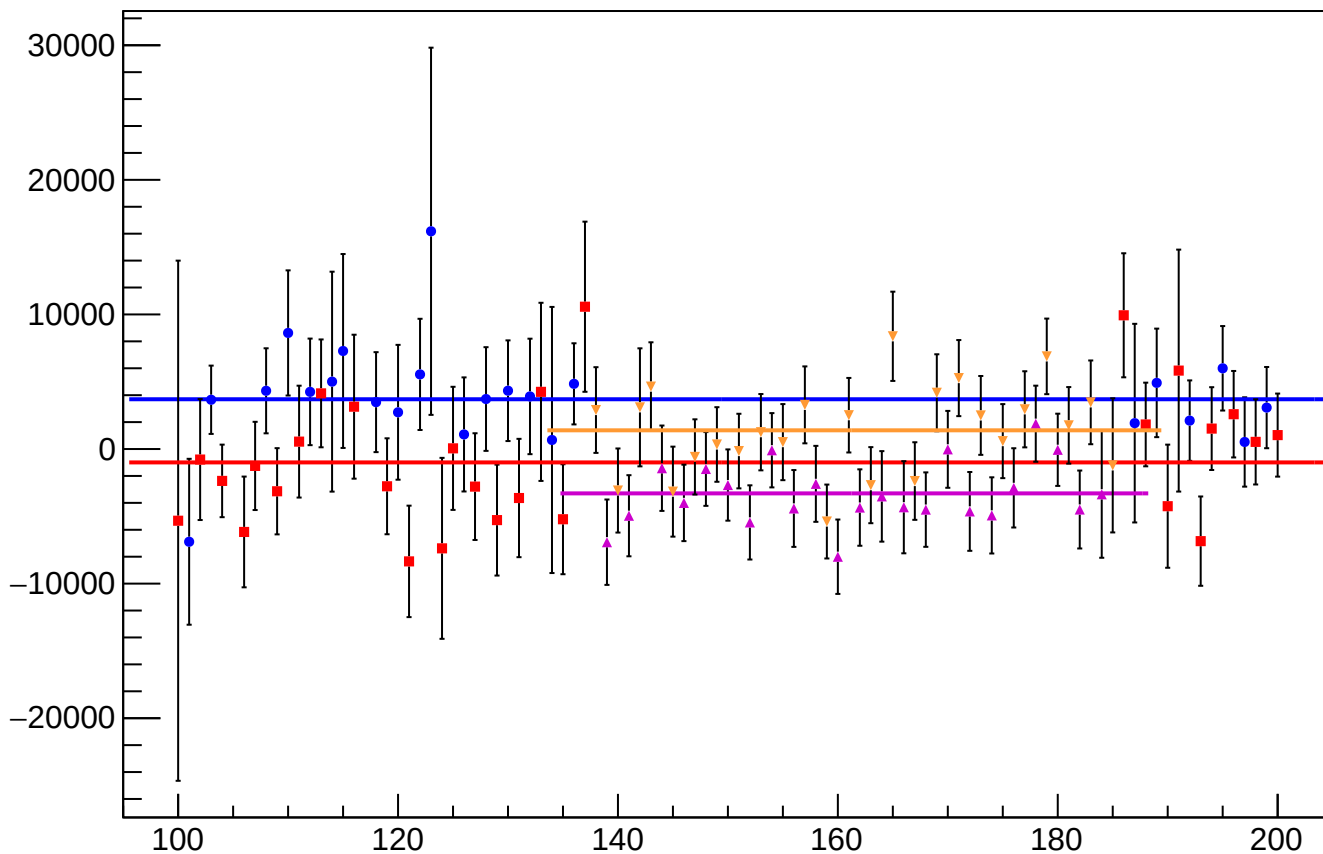
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2960.876+/-0.392 χ^2/NDF : 826821.7/47

All: 2885.096+/-0.270 χ^2/NDF : 3635097.4/98

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

reg_asym_atr2_mean vs Slug



Right In: 3698.181+/-825.985 χ^2/NDF : 8.1/22

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

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

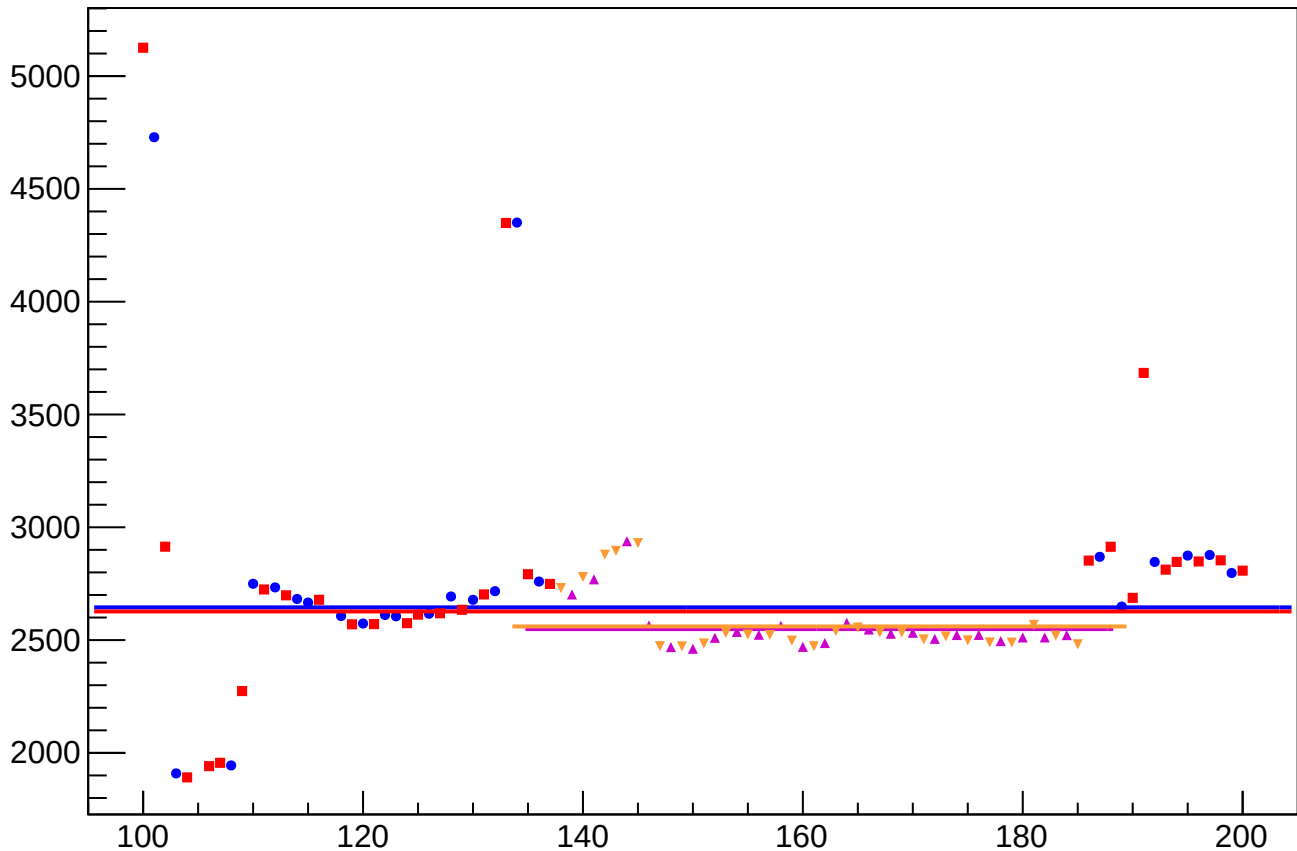
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2181.373+/-483.591 χ^2/NDF : 42.4/47

All: -149.828+/-337.938 χ^2/NDF : 137.3/98

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

reg_asym_atr2_rms vs Slug



Right In: 2645.063 $\pm$ 0.584 χ^2 /NDF: 598215.8/22

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

Right Out: 2626.995 $\pm$ 0.528 χ^2 /NDF: 590045.1/27

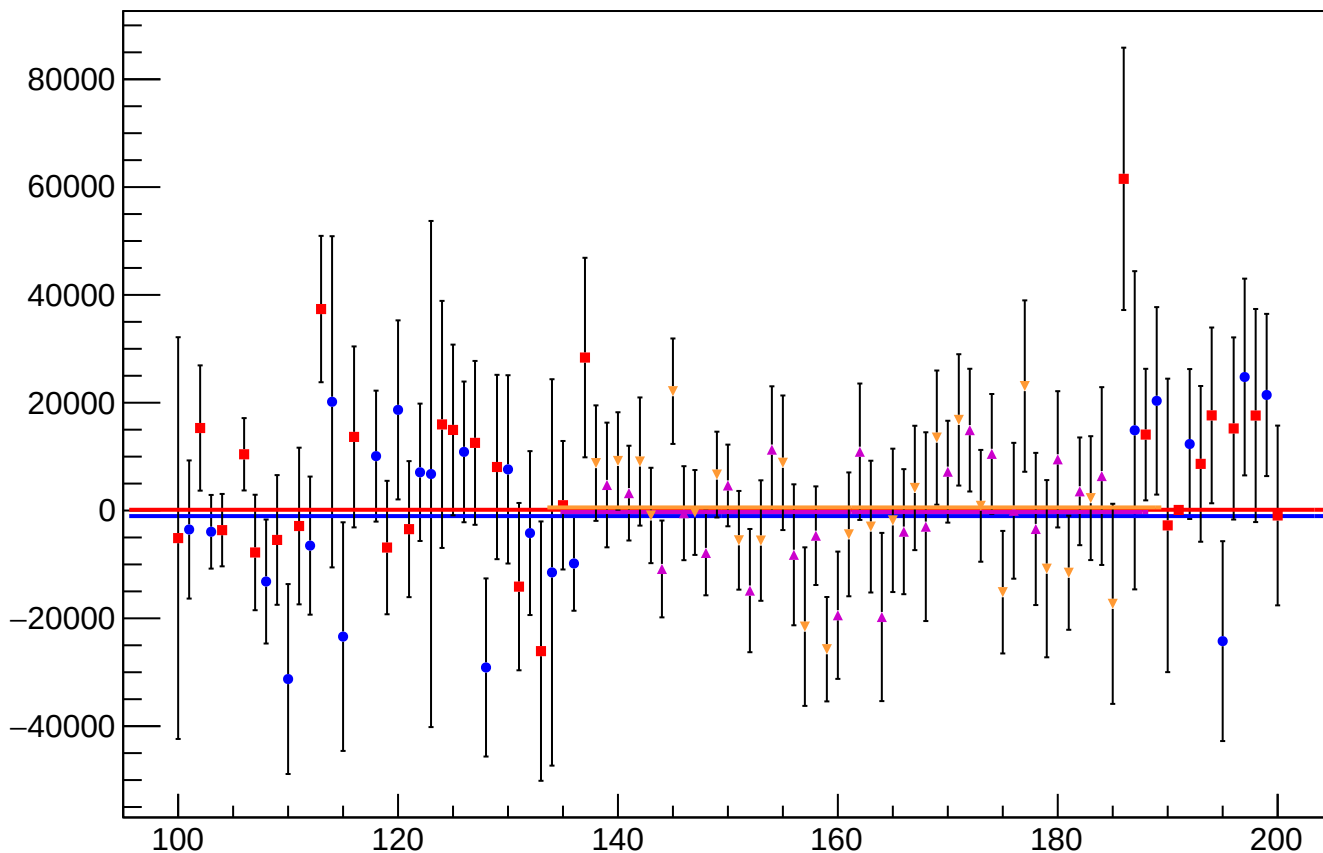
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2589.507 $\pm$ 0.342 χ^2 /NDF: 698754.2/47

All: 2584.710 $\pm$ 0.239 χ^2 /NDF: 1357577.9/98

- sign 2580.132 $\pm$ 0.334 χ^2 /NDF: 658439.1/50

asym_atr2_correction_mean vs Slug



Right In: -1033.695 ± 2941.690 χ^2/NDF : 22.3/22

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

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

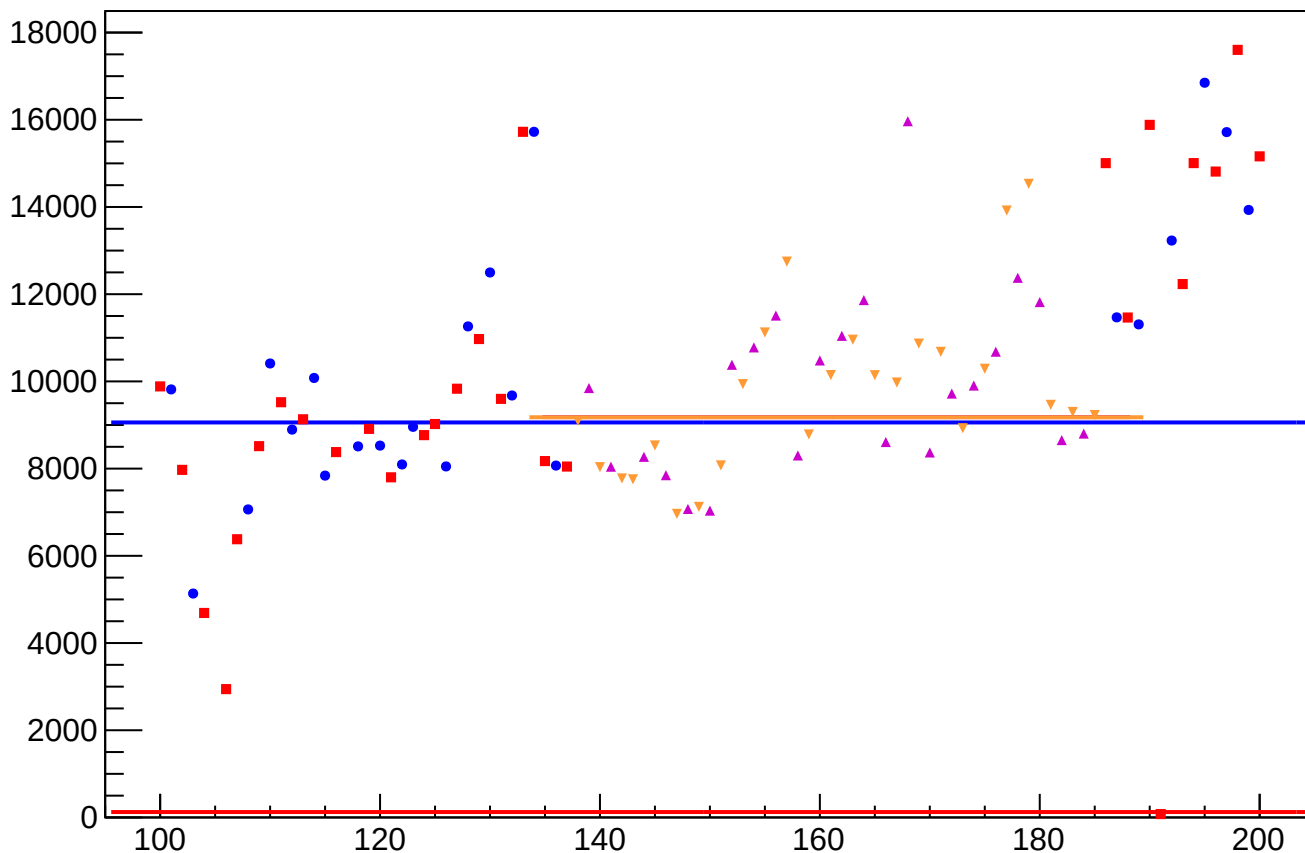
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign 1.615 ± 1753.745 χ^2/NDF : 50.8/47

All: 135.043 ± 193.077 χ^2/NDF : 97.7/98

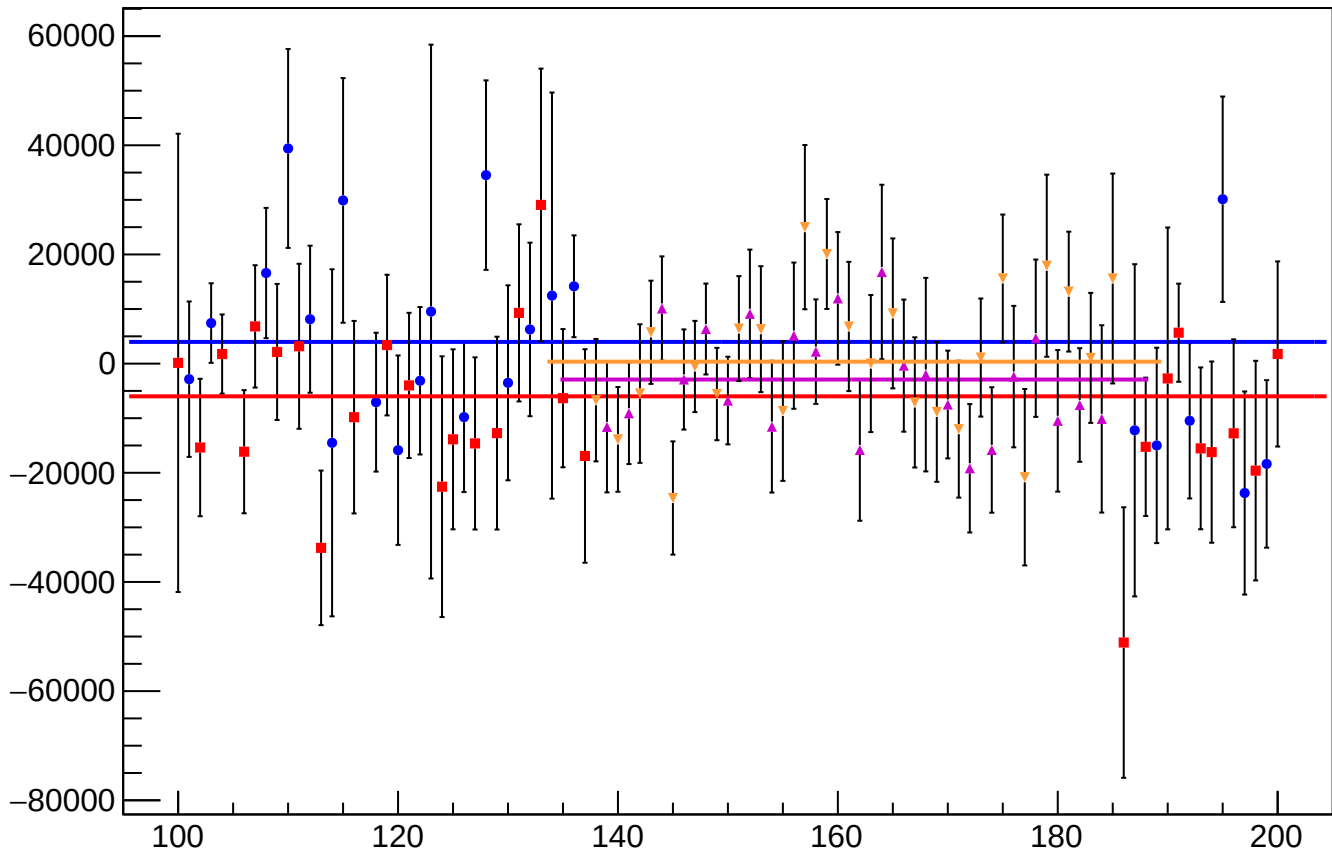
- sign 136.680 ± 194.258 χ^2/NDF : 46.9/50

asym_atr2_correction_rms vs Slug



Right In: 9058.590 $\pm$ 2.080	χ^2 /NDF: 2043988.5/22	+ sign 9135.358 $\pm$ 1.240	χ^2 /NDF: 3222297.5/47
Left Out: 9177.688 $\pm$ 1.545	χ^2 /NDF: 1176195.8/24	All: 300.570 $\pm$ 0.137	χ^2 /NDF: 112576273.7/50
Right Out: 124.229 $\pm$ 0.138	χ^2 /NDF: 24369058.8/27	- sign 192.172 $\pm$ 0.137	χ^2 /NDF: 57975016.2/50
Left In: 9181.254 $\pm$ 1.586	χ^2 /NDF: 1236469.7/22		

asym_atr2_mean vs Slug



Right In: 3976.794 $\pm$ 3090.260 χ^2 /NDF: 23.7/22

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

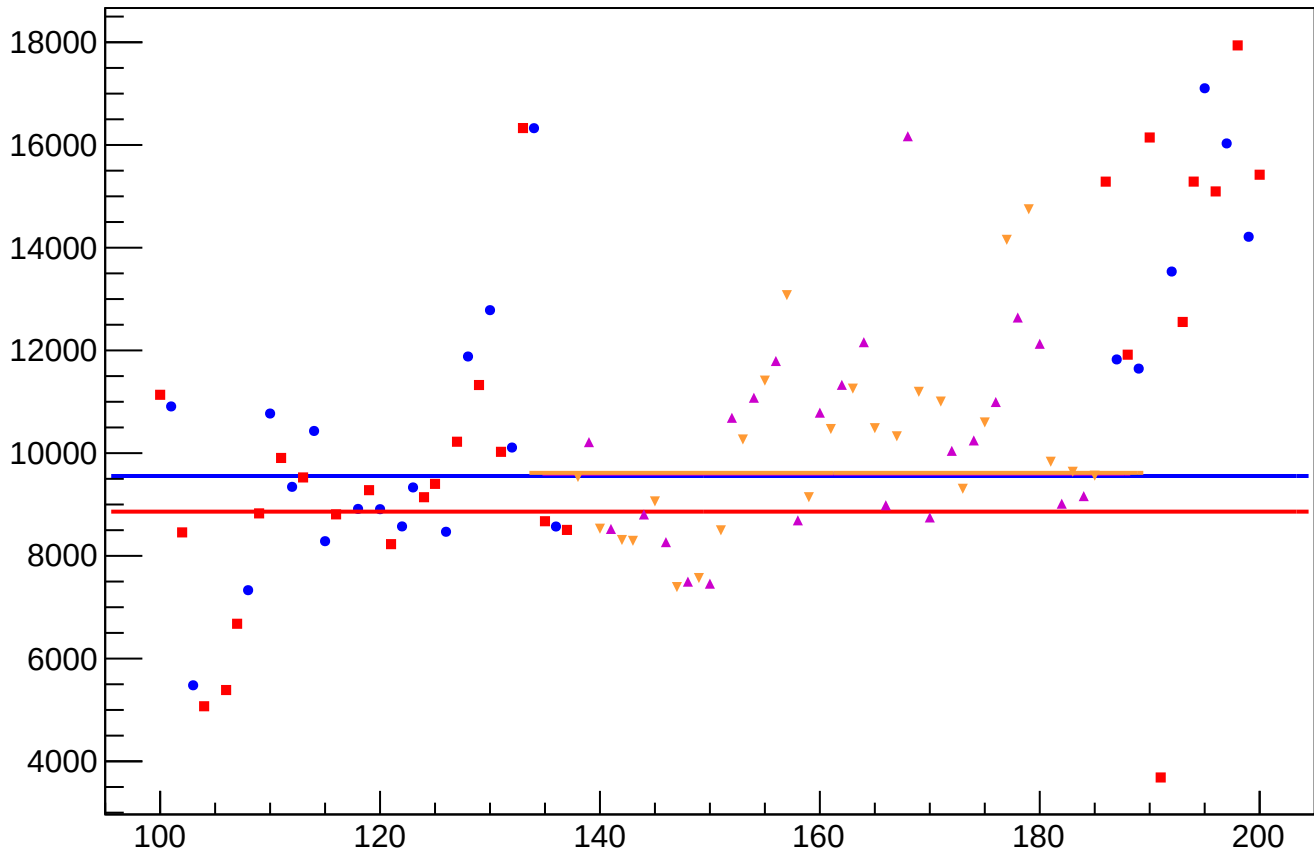
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1633.291 $\pm$ 1835.562 χ^2 /NDF: 50.9/47

All: -1420.473 $\pm$ 1272.045 χ^2 /NDF: 92.4/98

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

asym_atr2_rms vs Slug



Right In: 9555.092 $\pm$ 2.185 χ^2 /NDF: 1896196.7/22

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

Right Out: 8861.114 $\pm$ 1.901 χ^2 /NDF: 3531847.7/27

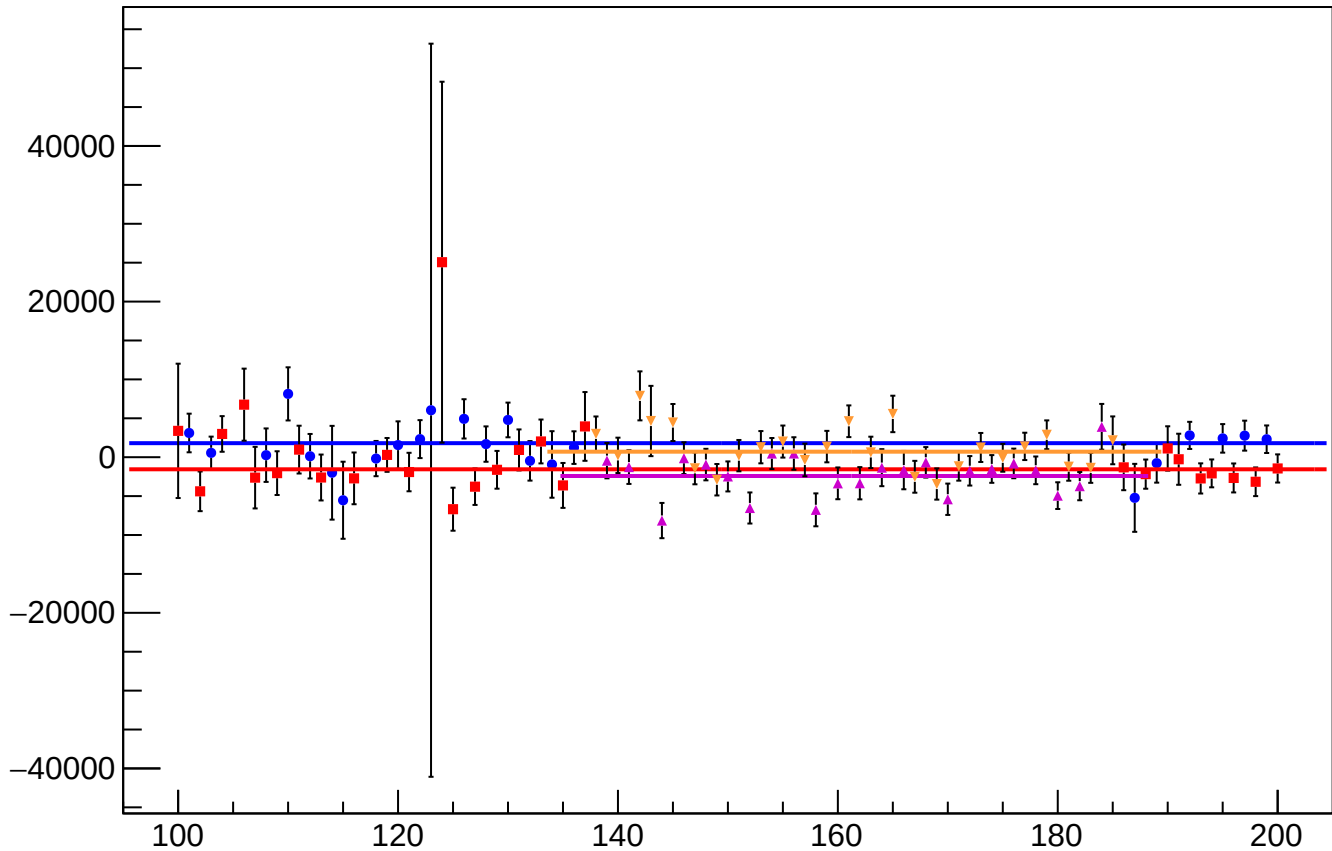
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF:1082171.6/22

+ sign 9594.669 $\pm$ 1.298 χ^2 /NDF: 2908369.2/47

All: 9431.596 $\pm$ 0.899 χ^2 /NDF: 7638419.4/98

- sign 9280.920 $\pm$ 1.248 χ^2 /NDF: 4699679.2/50

reg_asym_atl_avg_mean vs Slug



Right In: 1803.512 ± 524.070 χ^2/NDF : 17.1/22

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

Right Out: -1554.972 ± 482.819 χ^2/NDF : 23.5/27

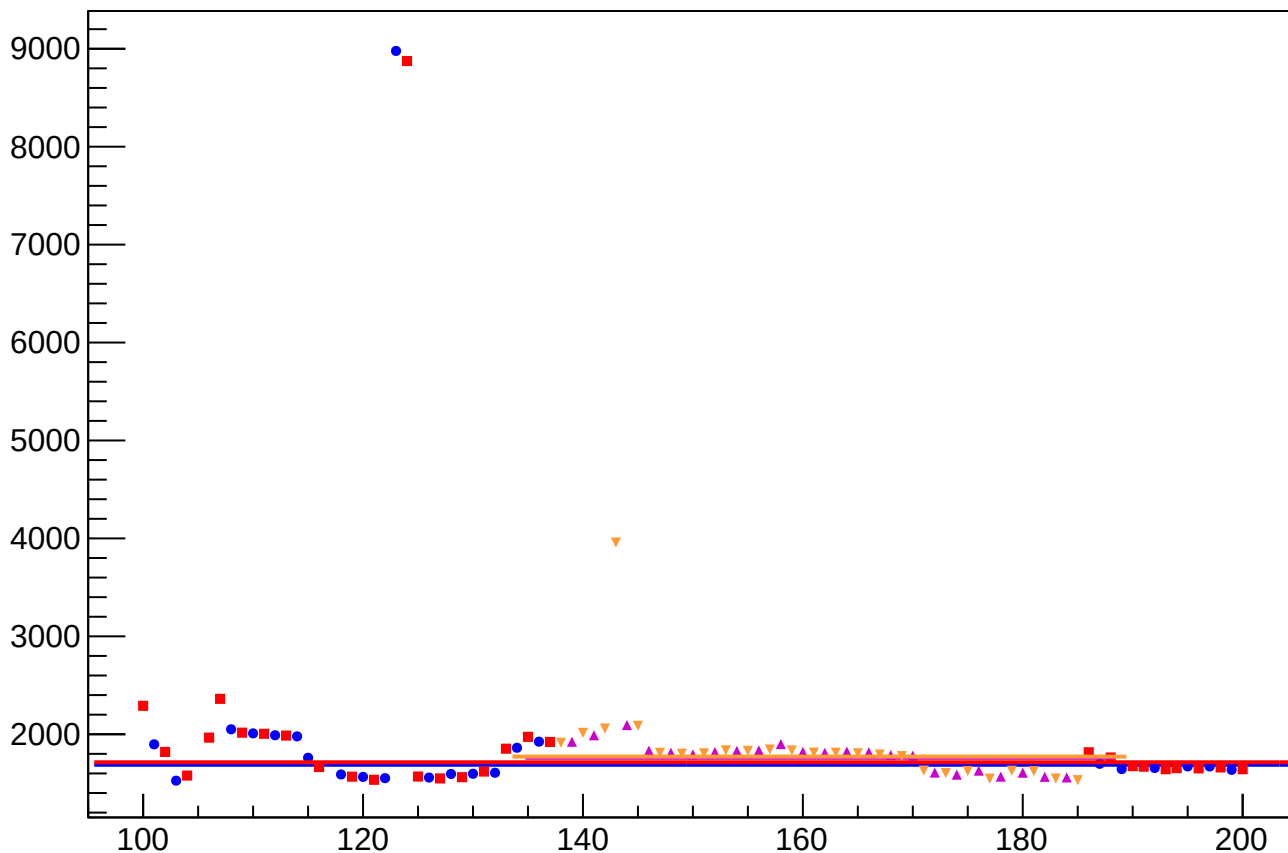
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 1134.231 ± 326.487 χ^2/NDF : 54.6/47

All: -493.325 ± 227.936 χ^2/NDF : 162.3/98

- sign -2040.922 ± 318.366 χ^2/NDF : 59.2/50

reg_asym_atl_avg_rms vs Slug



Right In: 1688.563 $\pm$ 0.371 χ^2 /NDF: 200869.4/22

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

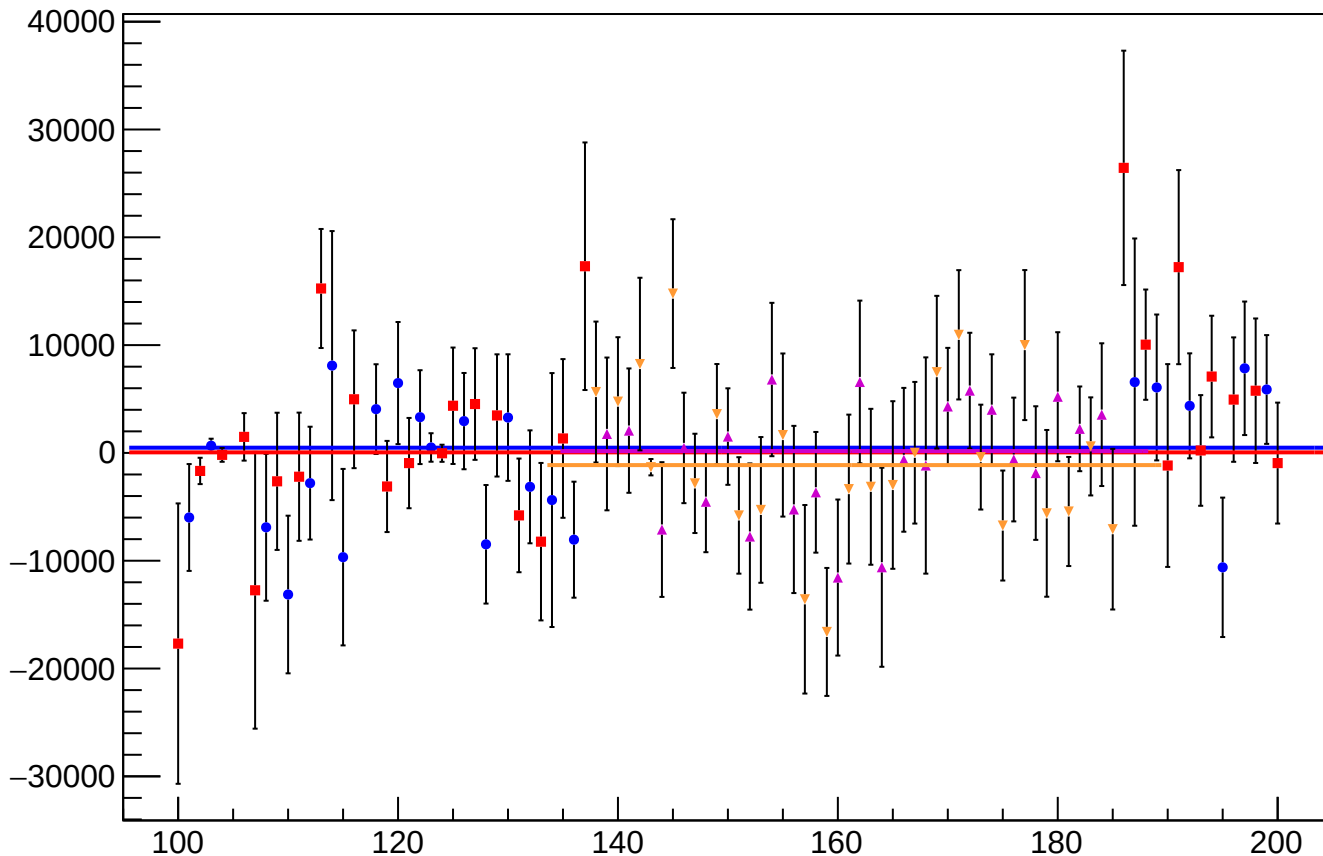
Left In: 1759.600 $\pm$ 0.299 χ^2 /NDF: 214891.5/22

+ sign 1739.645 $\pm$ 0.231 χ^2 /NDF: 934396.1/47

All: 1739.677 $\pm$ 0.161 χ^2 /NDF: 1577307.3/98

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

asym_atl_avg_correction_mean vs Slug



Right In: 484.753+/-528.526 χ^2/NDF : 24.4/22

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

Right Out: 51.379+/-424.824 χ^2/NDF : 37.5/27

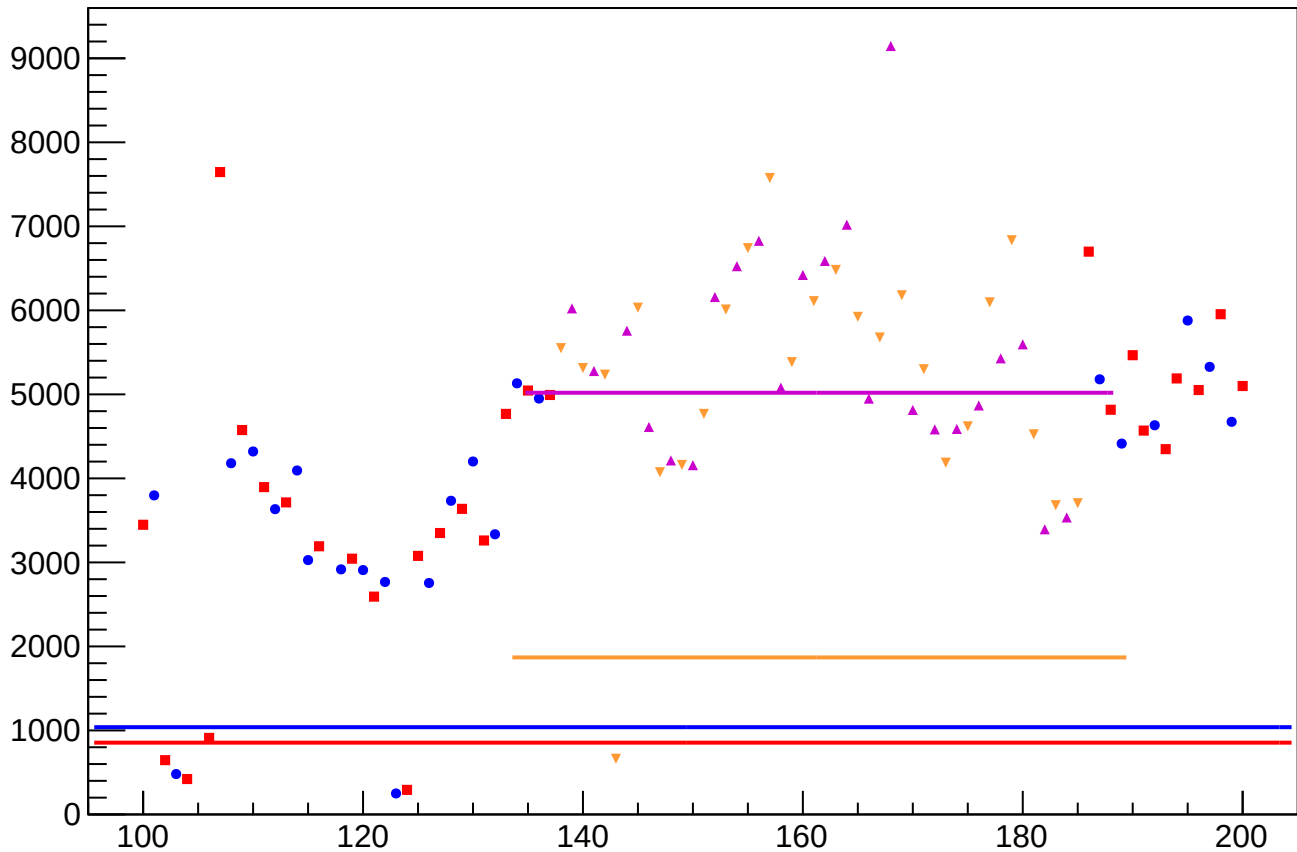
Left In: 168.182+/-1232.411 χ^2/NDF :14.2/22

+ sign -160.724+/-409.468 χ^2/NDF : 59.6/47

All: -46.301+/-286.727 χ^2/NDF : 111.4/98

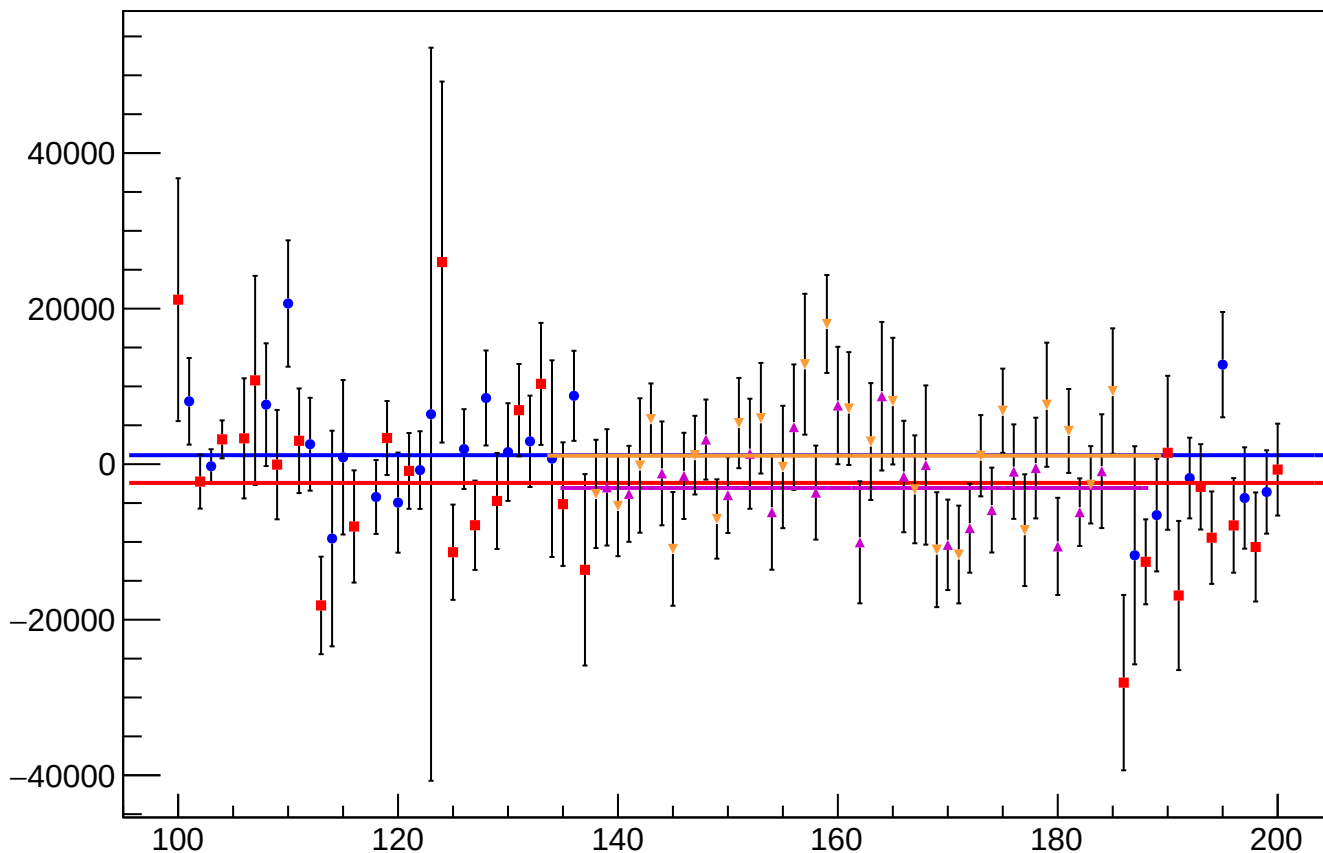
- sign 63.784+/-401.632 χ^2/NDF : 51.7/50

asym_atl_avg_correction_rms vs Slug



Right In: 1038.738 $\pm$ 0.374	χ^2 /NDF: 13248487.6/22	+ sign 1370.658 $\pm$ 0.290	χ^2 /NDF: 35073946.3/47
Left Out: 1868.983 $\pm$ 0.458	χ^2 /NDF: 19852416.6/24	All: 1333.057 $\pm$ 0.203	χ^2 /NDF: 73849036.2/50
Right Out: 854.589 $\pm$ 0.300	χ^2 /NDF: 16760875.4/27	- sign 1296.882 $\pm$ 0.284	χ^2 /NDF: 38742000.3/50
Left In: 5019.114 $\pm$ 0.871	χ^2 /NDF: 1569031.9/22		

asym_atl_avg_mean vs Slug



Right In: 1153.752 $\pm$ 1177.368 χ^2 /NDF: 21.5/22

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

Right Out: -2410.002 $\pm$ 1116.326 χ^2 /NDF: 43.8/27

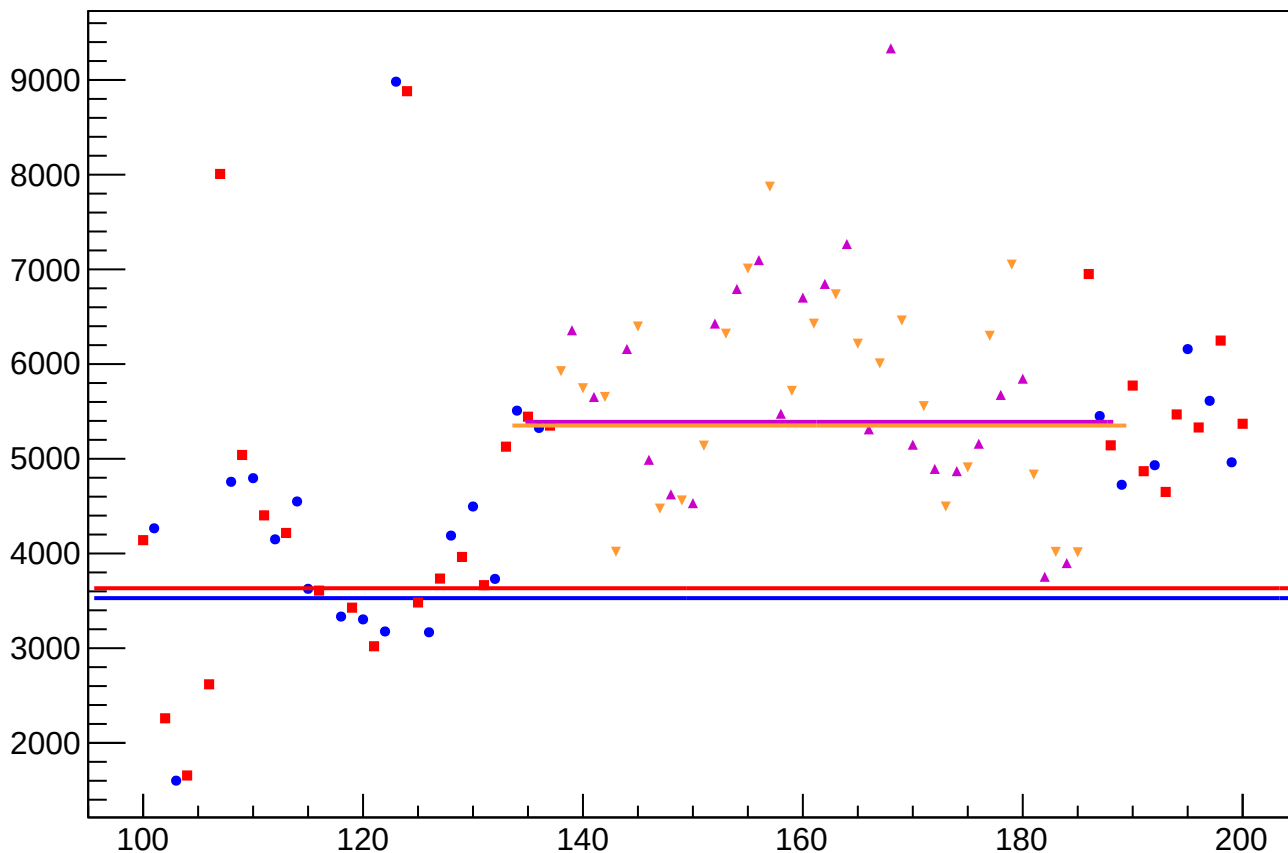
Left In: -3064.775 $\pm$ 1318.173 χ^2 /NDF:12.6/22

+ sign 1126.353 $\pm$ 864.394 χ^2 /NDF: 53.4/47

All: -806.323 $\pm$ 606.748 χ^2 /NDF: 119.8/98

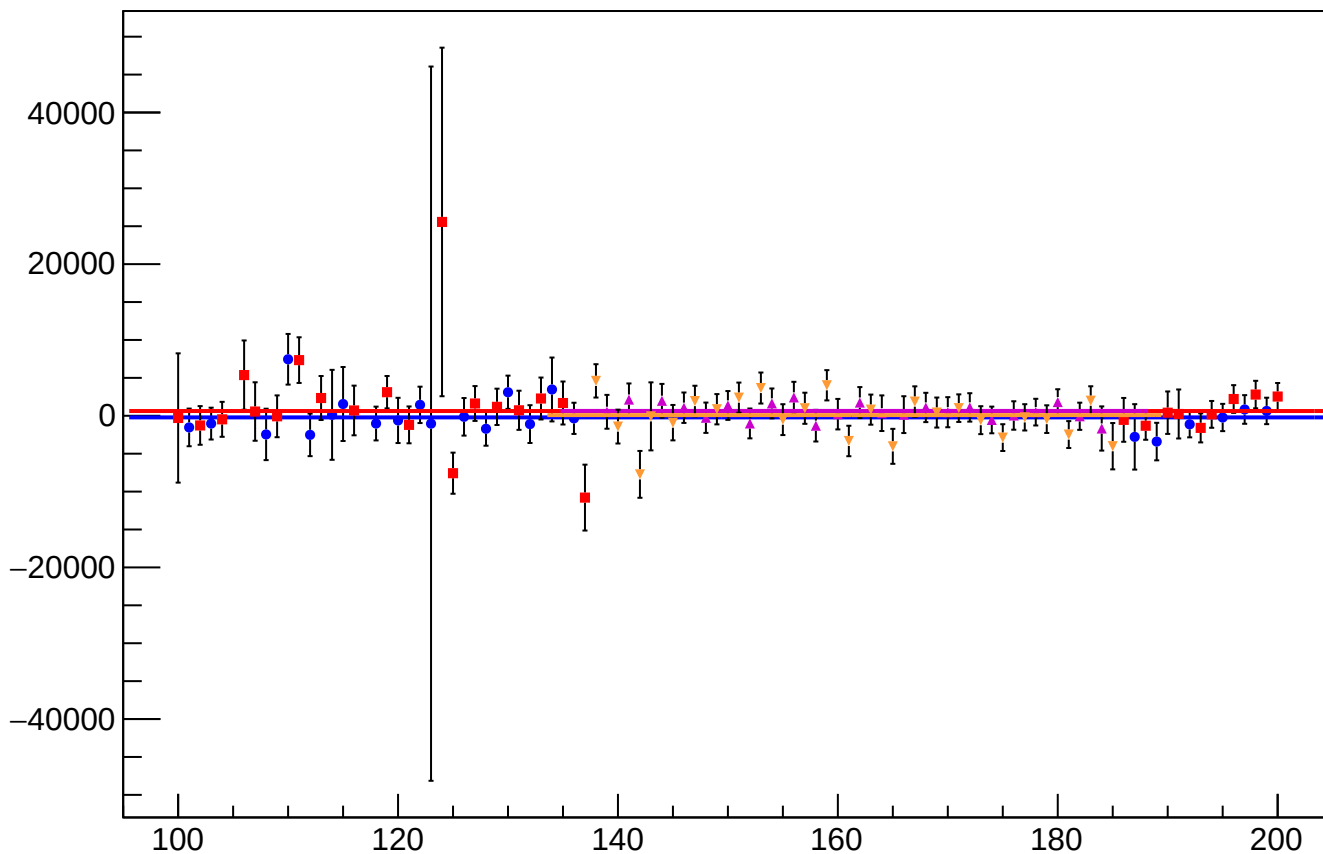
- sign -2683.471 $\pm$ 851.886 χ^2 /NDF: 56.5/50

asym_atl_avg_rms vs Slug



Right In: 3528.648+/-0.833	χ^2/NDF : 2971698.5/22	+ sign 4368.636+/-0.611	χ^2/NDF : 6421546.1/47
Left Out: 5350.804+/-0.900	χ^2/NDF : 1241497.9/24		
Right Out: 3633.118+/-0.781	χ^2/NDF : 3713427.3/27	All: 4362.885+/-0.428	χ^2/NDF : 13532323.1/50
Left In: 5389.724+/-0.932	χ^2/NDF : 1309863.0/22	- sign 4357.371+/-0.599	χ^2/NDF : 7110603.5/50

reg_asym_atl_dd_mean vs Slug



Right In: -213.006 ± 516.498 χ^2/NDF : 14.0/22

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

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

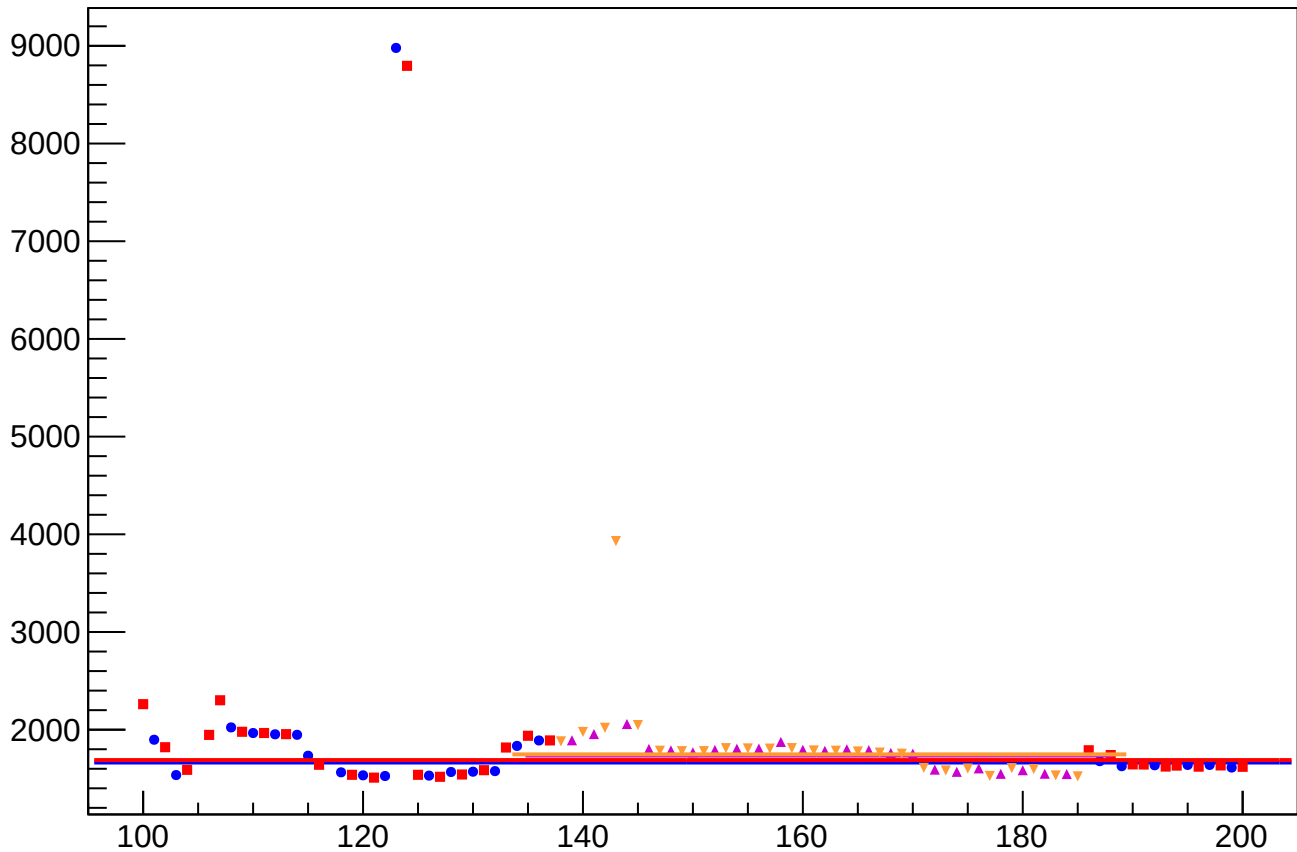
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -29.979 ± 321.858 χ^2/NDF : 50.3/47

All: 310.398 ± 224.707 χ^2/NDF : 91.8/98

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

reg_asym_atl_dd_rms vs Slug



Right In: 1664.205 $\pm$ 0.365 χ^2 /NDF: 199427.7/22

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

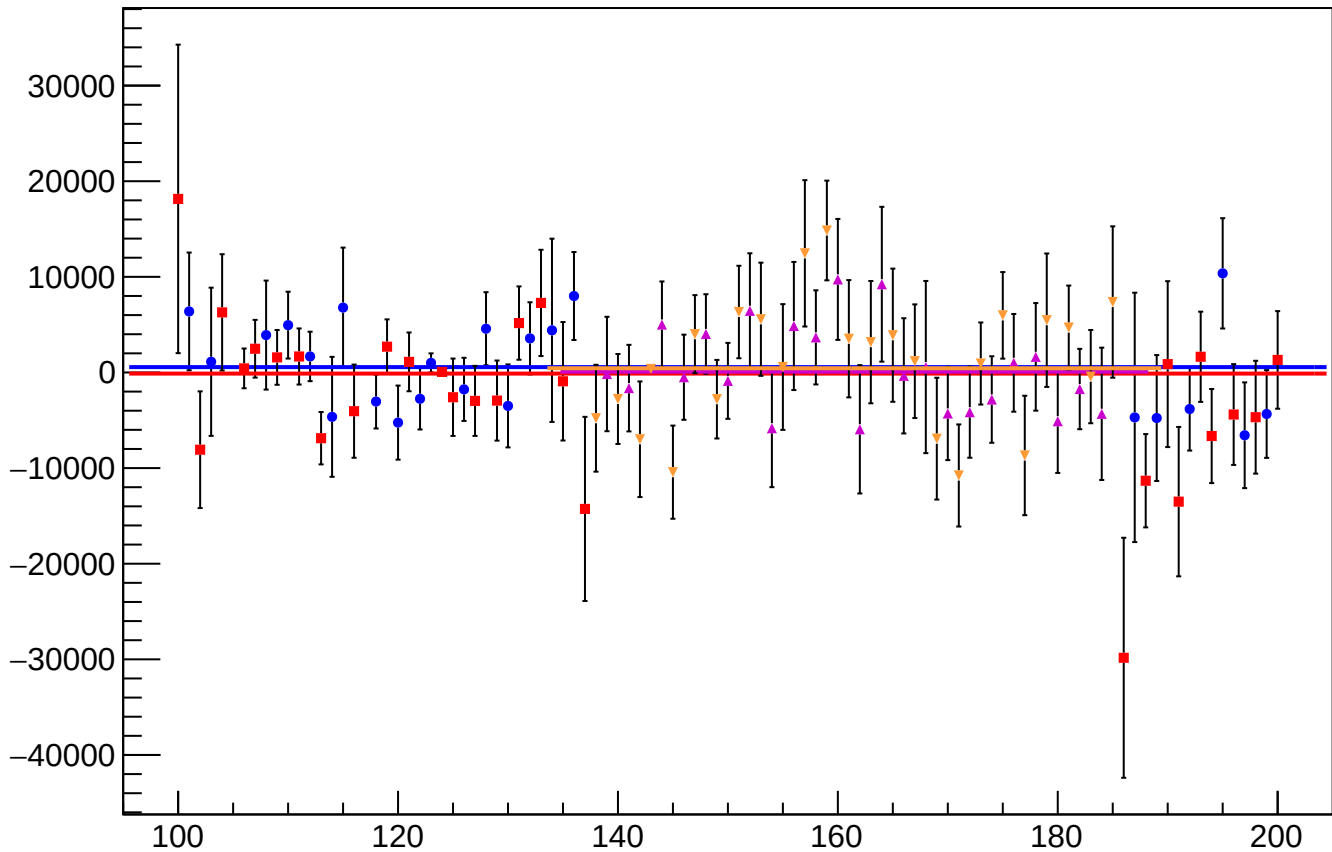
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1715.045 $\pm$ 0.228 χ^2 /NDF: 929299.5/47

All: 1715.172 $\pm$ 0.159 χ^2 /NDF: 1561472.7/98

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

asym_atl_dd_correction_mean vs Slug



Right In: 560.046 $\pm$ 675.169 χ^2 /NDF: 23.2/22

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

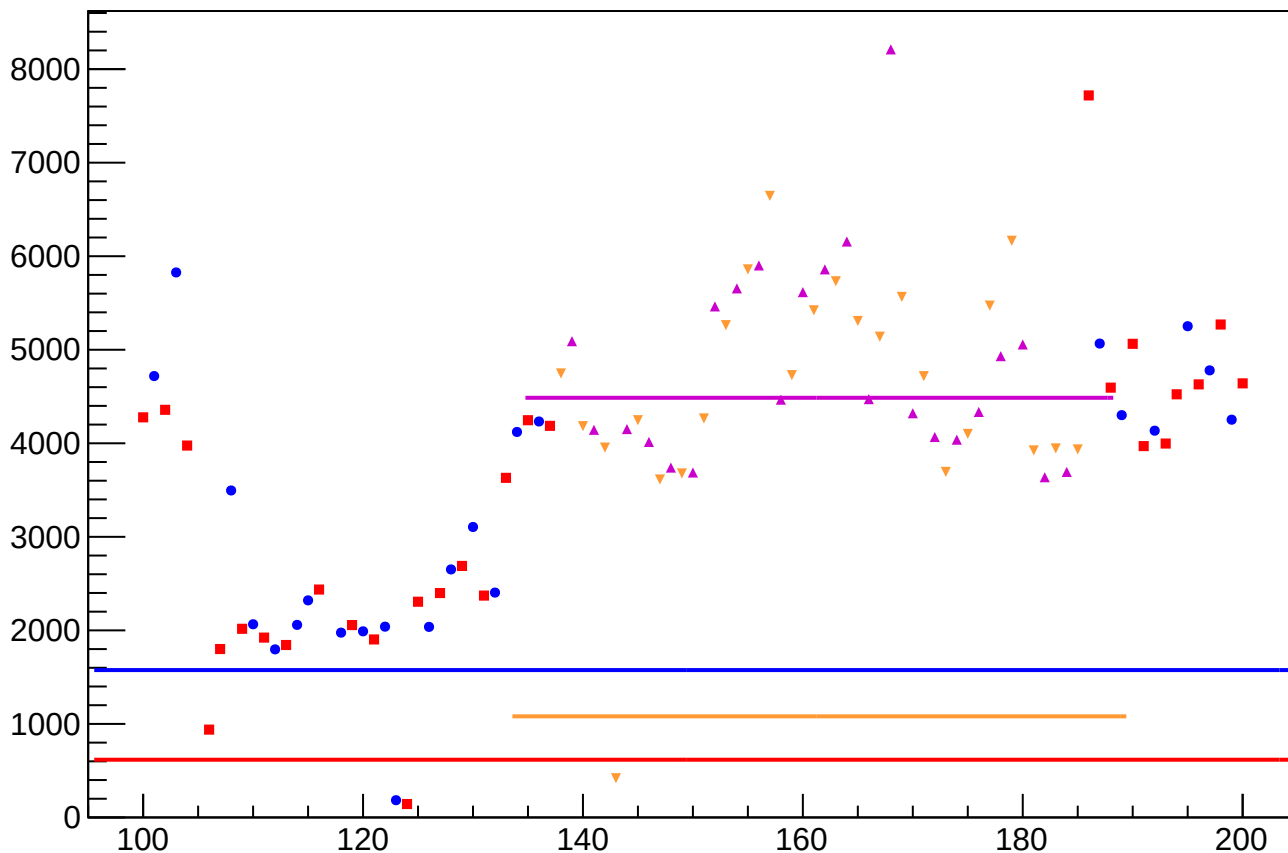
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 477.358 $\pm$ 368.827 χ^2 /NDF: 57.2/47

All: 161.936 $\pm$ 247.799 χ^2 /NDF: 110.0/98

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

asym_atl_dd_correction_rms vs Slug



Right In: 1575.531 $\pm$ 0.477 χ^2 /NDF: 10168807.4/22

Left Out: 1081.004 $\pm$ 0.311 χ^2 /NDF: 24456244.2/24

Right Out: 617.261 $\pm$ 0.248 χ^2 /NDF: 19206650.5/27

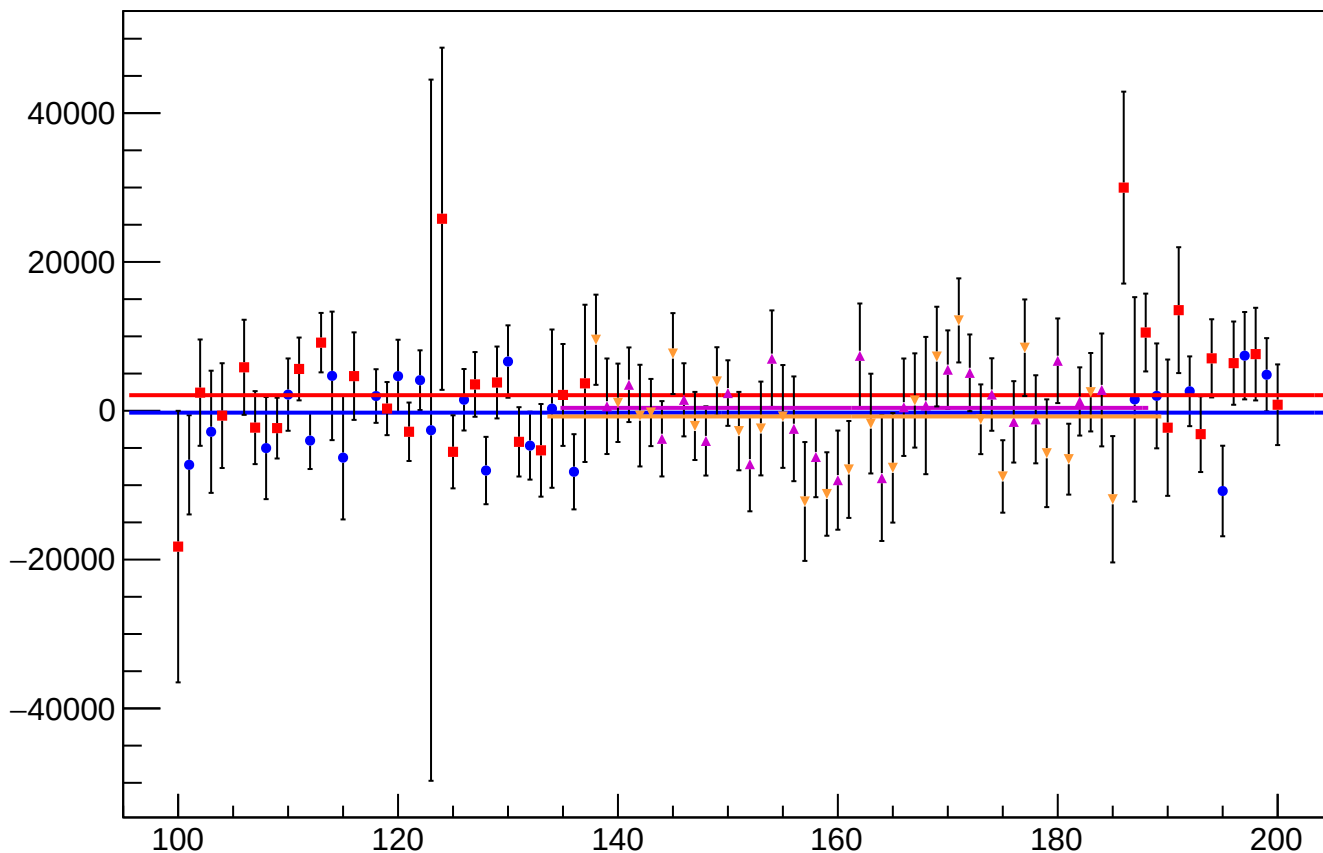
Left In: 4486.570 $\pm$ 0.774 χ^2 /NDF: 1181598.1/22

+ sign 1228.578 $\pm$ 0.261 χ^2 /NDF: 35377828.4/47

All: 1091.416 $\pm$ 0.175 χ^2 /NDF: 78917972.4/9

- sign 978.561 $\pm$ 0.237 χ^2 /NDF: 43035959.2/50

asym_atl_dd_mean vs Slug



Right In: -252.678 ± 1123.215 χ^2/NDF : 21.1/22

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

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

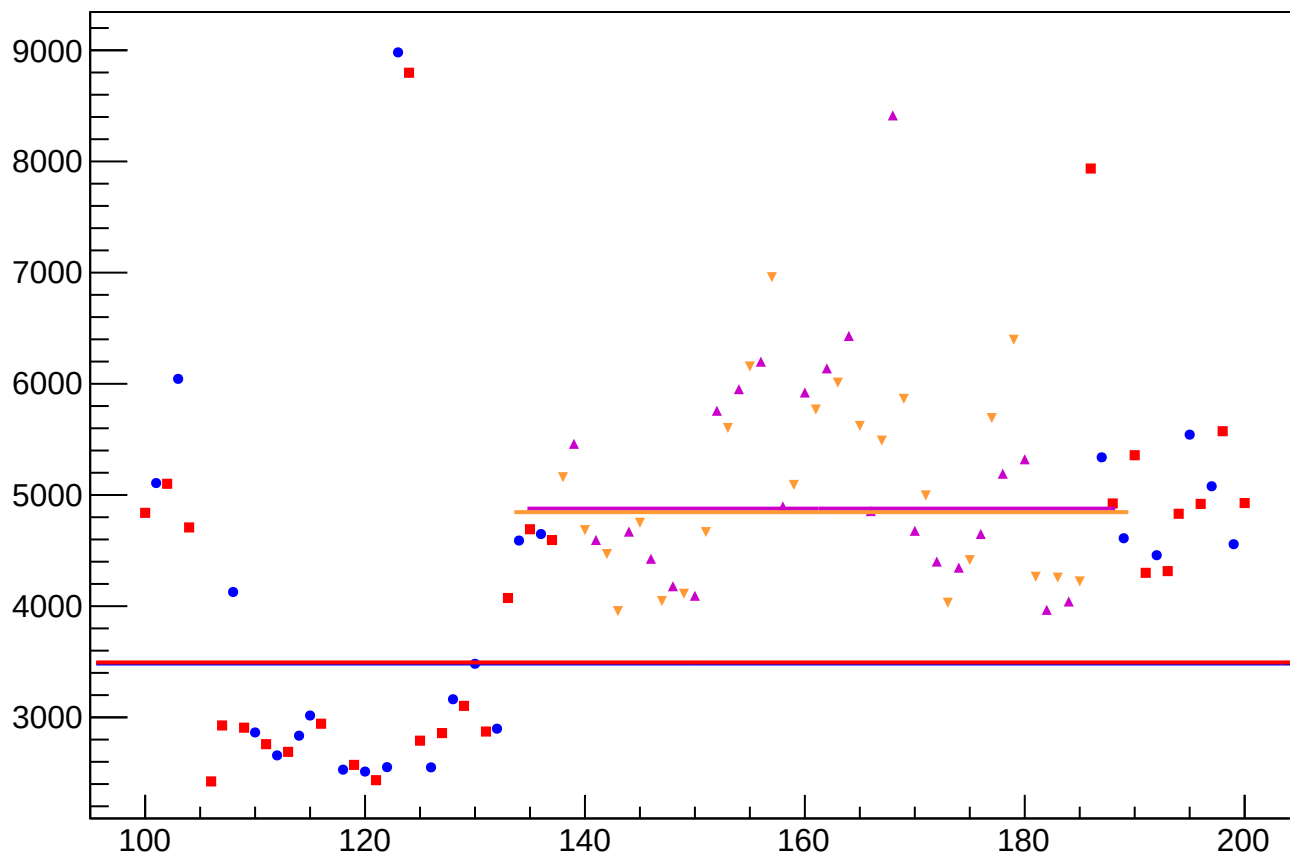
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -503.882 ± 802.637 χ^2/NDF : 51.2/47

All: 454.862 ± 559.093 χ^2/NDF : 98.5/98

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

asym_atl_dd_rms vs Slug



Right In: 3484.269+/-0.794 χ^2/NDF : 1747513.4/22

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

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

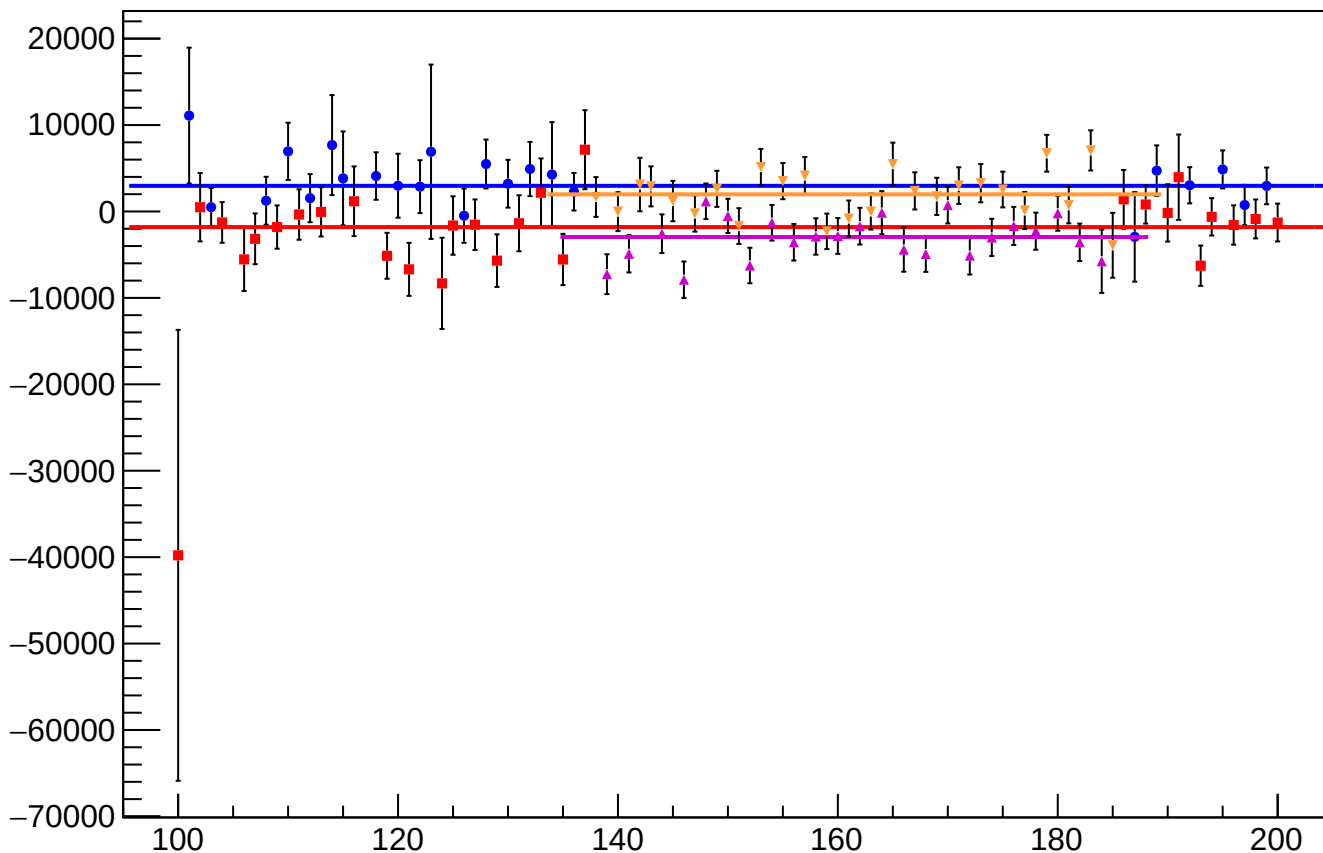
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4150.538+/-0.568 χ^2/NDF : 4094750.2/47

All: 4116.368+/-0.394 χ^2/NDF : 8895879.8/98

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

reg_asym_atr_avg_mean vs Slug



Right In: 2967.612 ± 614.613 χ^2/NDF : 11.3/22

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

Right Out: -1806.967 ± 555.887 χ^2/NDF : 26.8/27

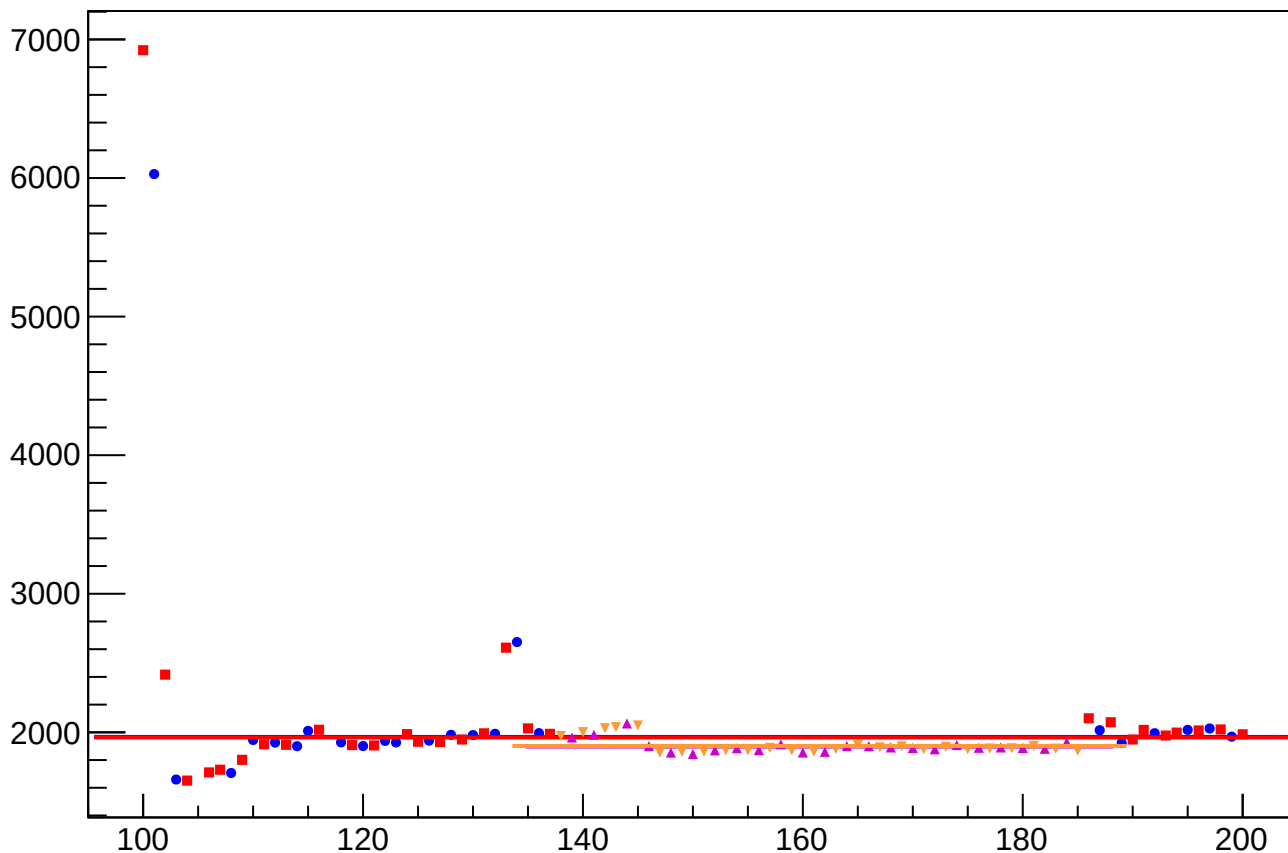
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2321.451 ± 359.478 χ^2/NDF : 45.4/47

All: -138.440 ± 251.462 χ^2/NDF : 194.9/98

- sign -2495.512 ± 351.885 χ^2/NDF : 57.8/50

reg_asym_atr_avg_rms vs Slug



Right In: 1967.016 $\pm$ 0.435 χ^2 /NDF: 621521.4/22

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

Right Out: 1963.125 $\pm$ 0.393 χ^2 /NDF: 234748.0/27

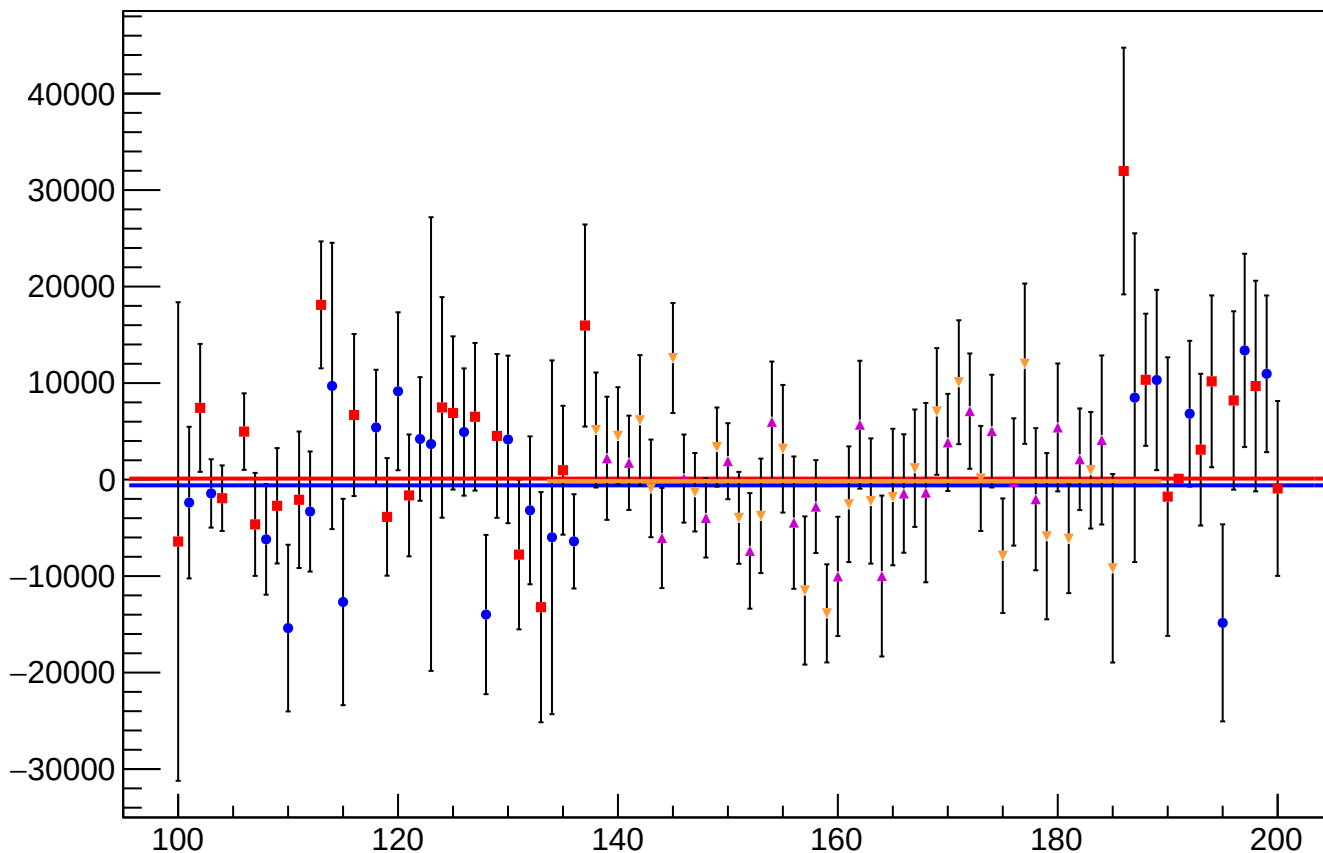
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF: 21180.1/22

+ sign 1924.165 $\pm$ 0.254 χ^2 /NDF: 666745.4/47

All: 1923.984 $\pm$ 0.178 χ^2 /NDF: 939427.6/98

- sign 1923.811 $\pm$ 0.249 χ^2 /NDF: 272681.2/50

asym_atr_avg_correction_mean vs Slug



Right In: -597.883 ± 1528.775 χ^2/NDF : 22.7/22

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

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

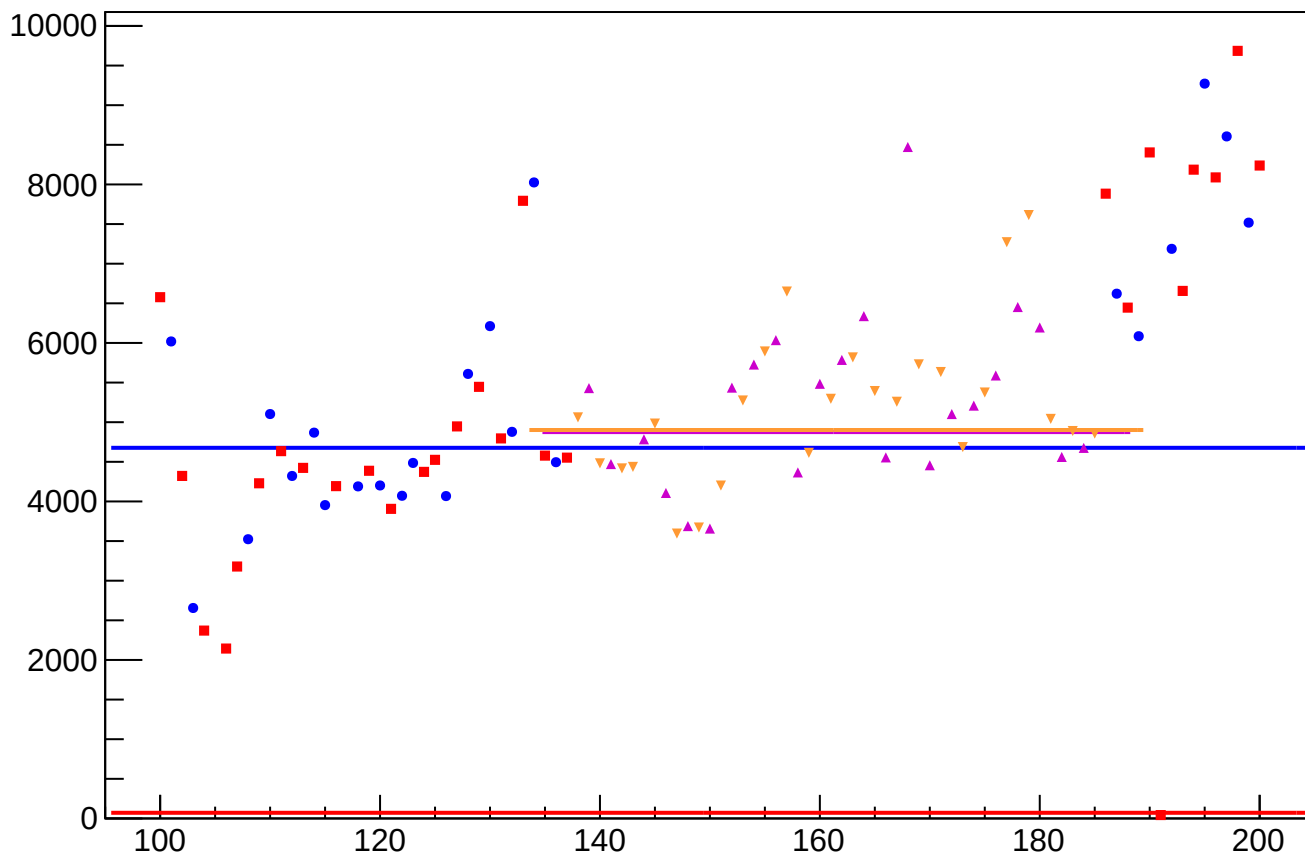
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -319.459 ± 927.039 χ^2/NDF : 52.3/47

All: 94.333 ± 108.375 χ^2/NDF : 98.3/98

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

asym_atr_avg_correction_rms vs Slug



Right In: 4676.790+/-1.081 χ^2/NDF : 2275257.0/22

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

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

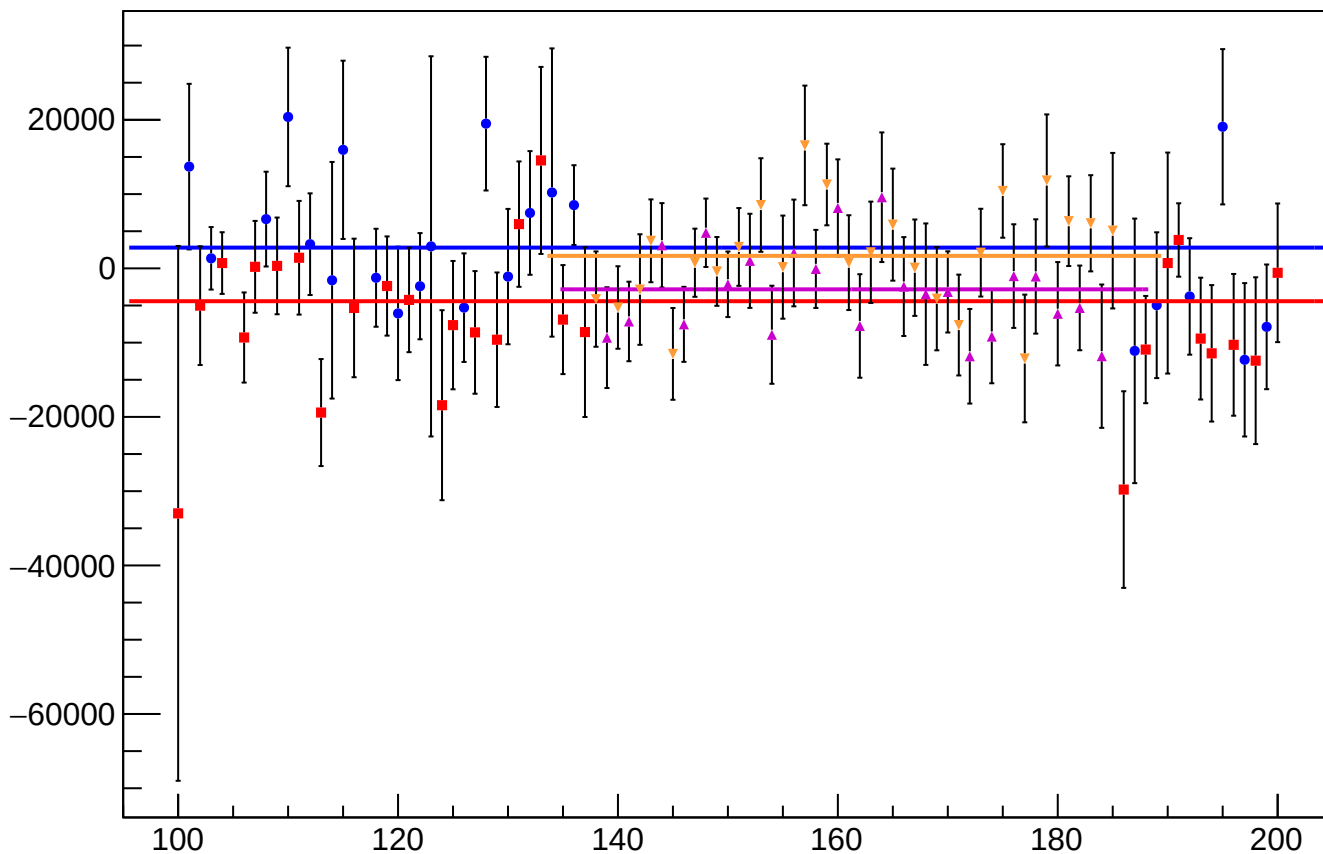
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4818.781+/-0.656 χ^2/NDF : 3439459.5/47

All: 176.170+/-0.077 χ^2/NDF : 112204811.5/50

- sign 111.841+/-0.077 χ^2/NDF : 57910166.7/50

asym_atr_avg_mean vs Slug



Right In: 2794.552 $\pm$ 1698.616 χ^2 /NDF: 22.7/22

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

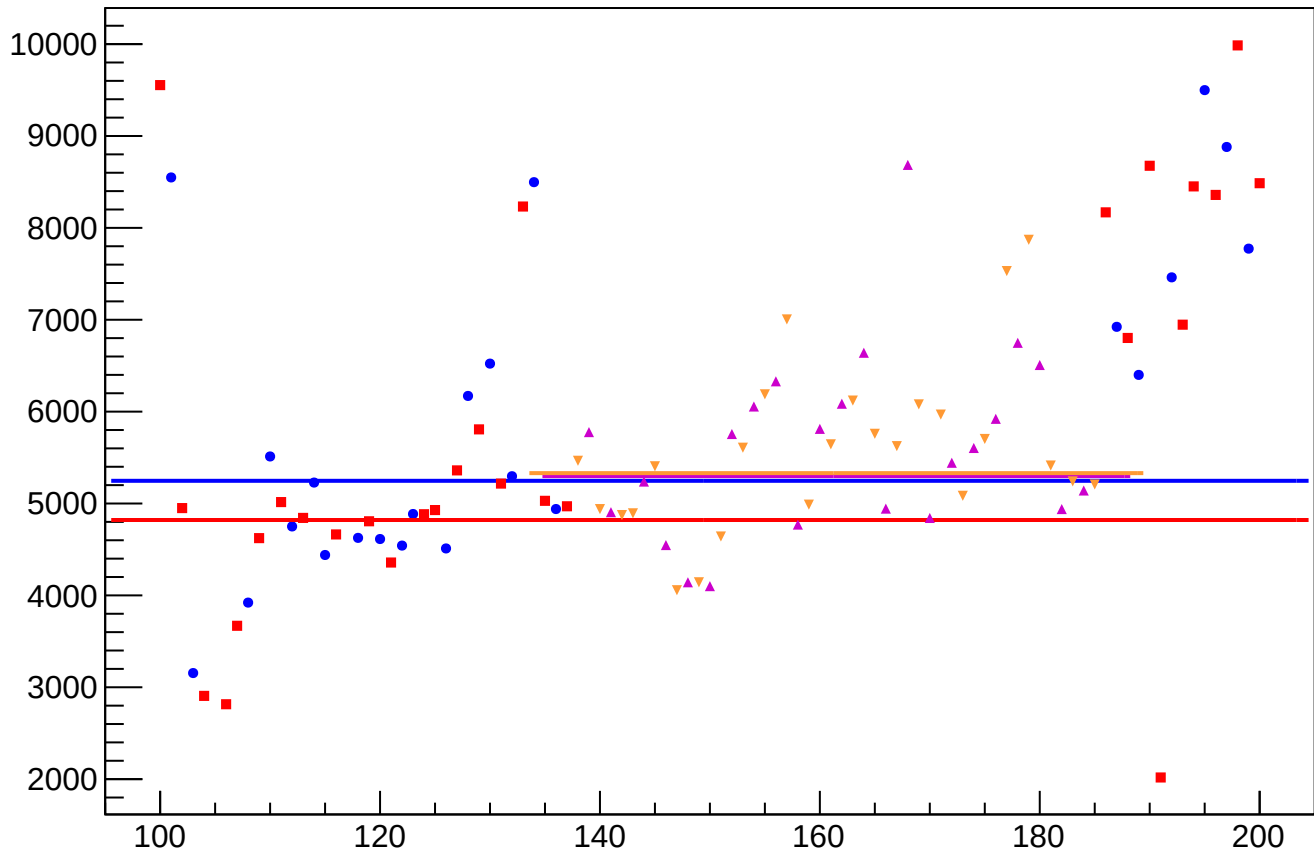
Left In: -2824.078 $\pm$ 1288.414 χ^2 /NDF:18.0/22

+ sign 2080.474 $\pm$ 1012.833 χ^2 /NDF: 48.4/47

All: -841.875 $\pm$ 700.236 χ^2 /NDF: 107.3/98

- sign -3517.723 $\pm$ 969.176 χ^2 /NDF: 43.0/50

asym_atr_avg_rms vs Slug



Right In: 5247.087+/-1.201 χ^2/NDF : 1932638.5/22

Left Out: 5330.725+/-0.892 χ^2/NDF : 868061.7/24

Right Out: 4820.487+/-1.036 χ^2/NDF : 3487378.5/27

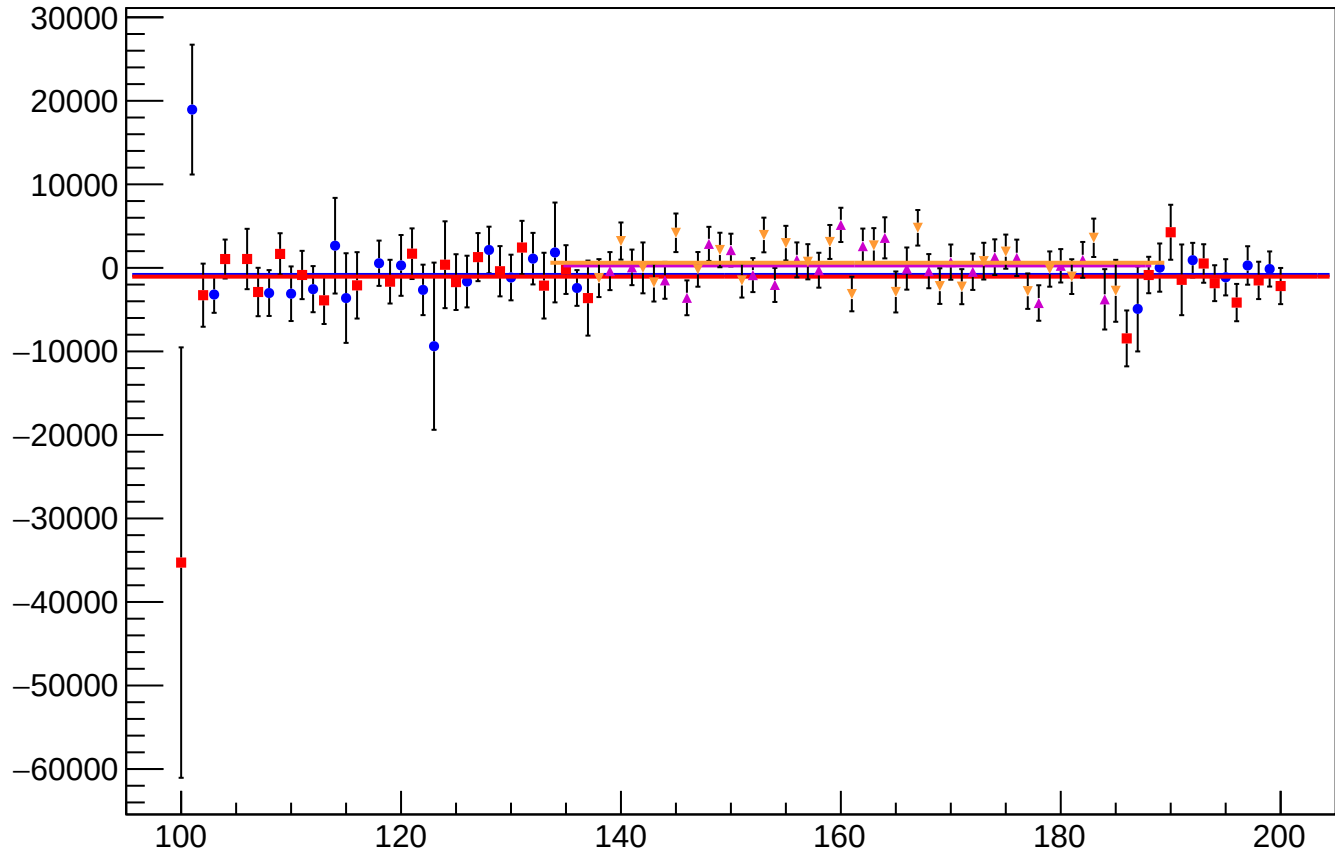
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5300.989+/-0.716 χ^2/NDF : 2803825.1/47

All: 5190.593+/-0.495 χ^2/NDF : 7412670.2/98

- sign 5089.879+/-0.684 χ^2/NDF : 4563407.4/50

reg_asym_atr_dd_mean vs Slug



Right In: -847.442 ± 606.704 χ^2/NDF : 15.4/22

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -1051.364 ± 547.989 χ^2/NDF : 19.7/27

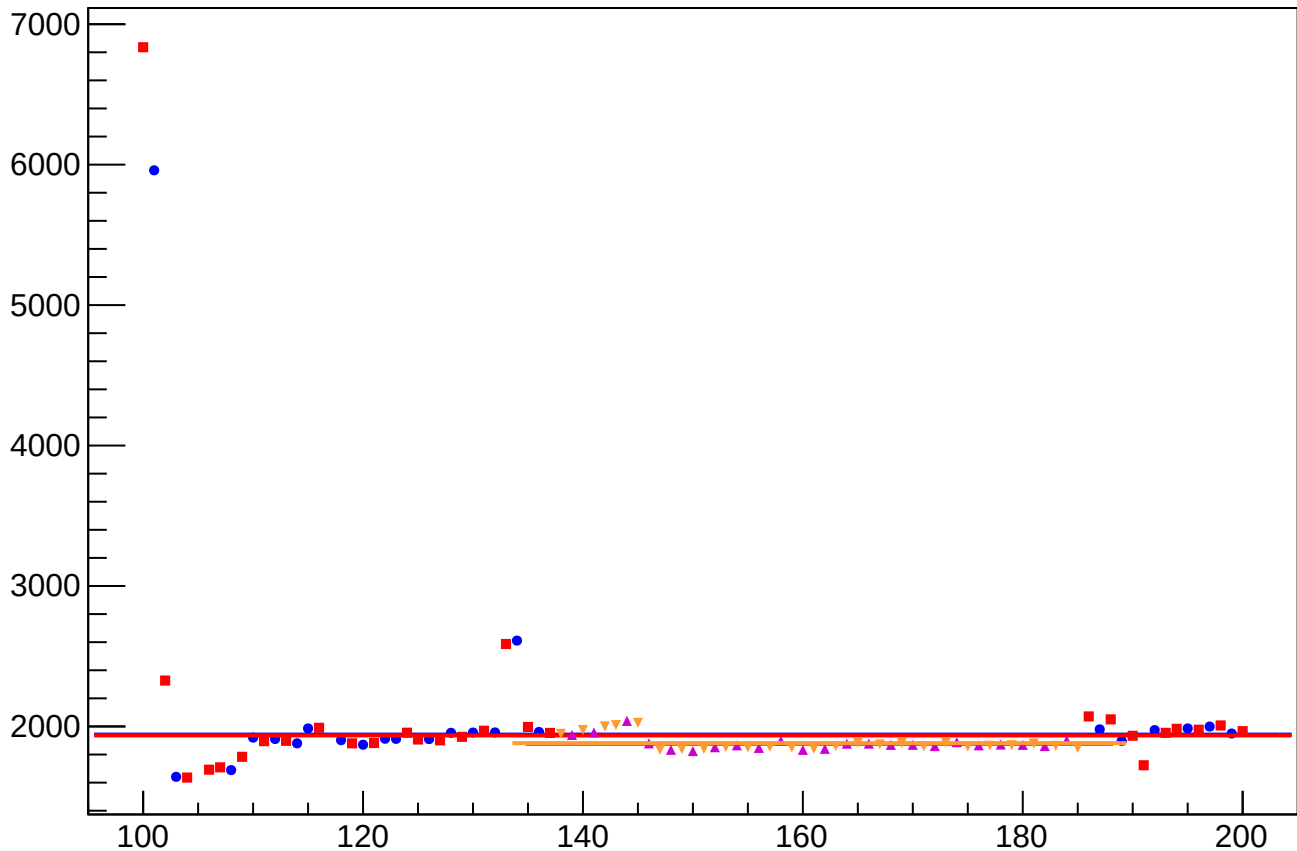
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign 111.778 ± 355.267 χ^2/NDF : 51.9/47

All: -71.962 ± 248.447 χ^2/NDF : 99.3/98

- sign -247.828 ± 347.572 χ^2/NDF : 46.9/50

reg_asym_atr_dd_rms vs Slug



Right In: 1941.799 $\pm$ 0.429 χ^2/NDF : 619853.2/22

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

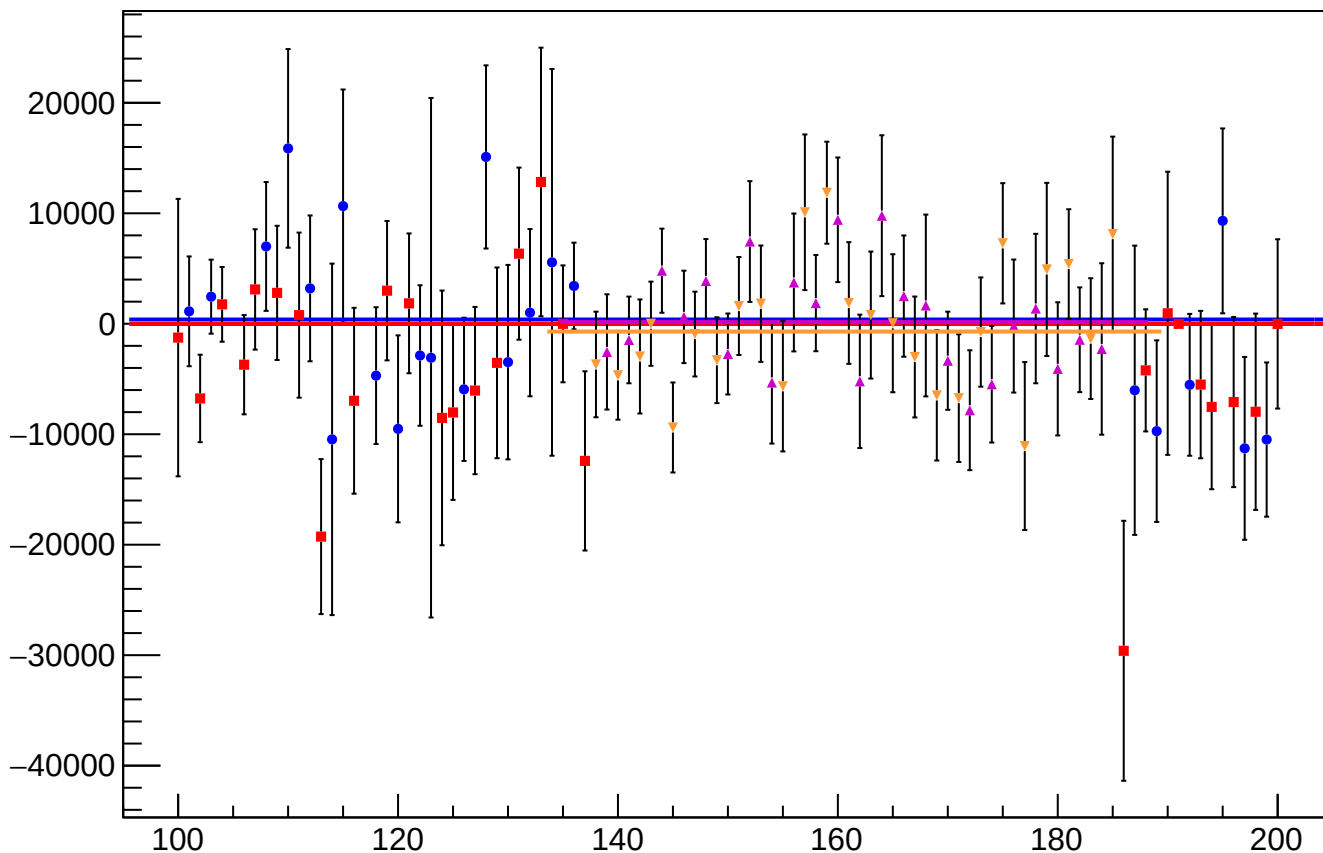
Left In: 1876.685 $\pm$ 0.318 χ^2/NDF : 20499.7/22

+ sign 1901.721 $\pm$ 0.251 χ^2/NDF : 661789.8/47

All: 1901.102 $\pm$ 0.176 χ^2/NDF : 930016.8/98

- sign 1900.511 $\pm$ 0.246 χ^2/NDF : 268215.1/50

asym_atr_dd_correction_mean vs Slug



Right In: 383.992 ± 1406.863 χ^2/NDF : 21.7/22

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

Right Out: -22.399 ± 85.814 χ^2/NDF : 29.7/27

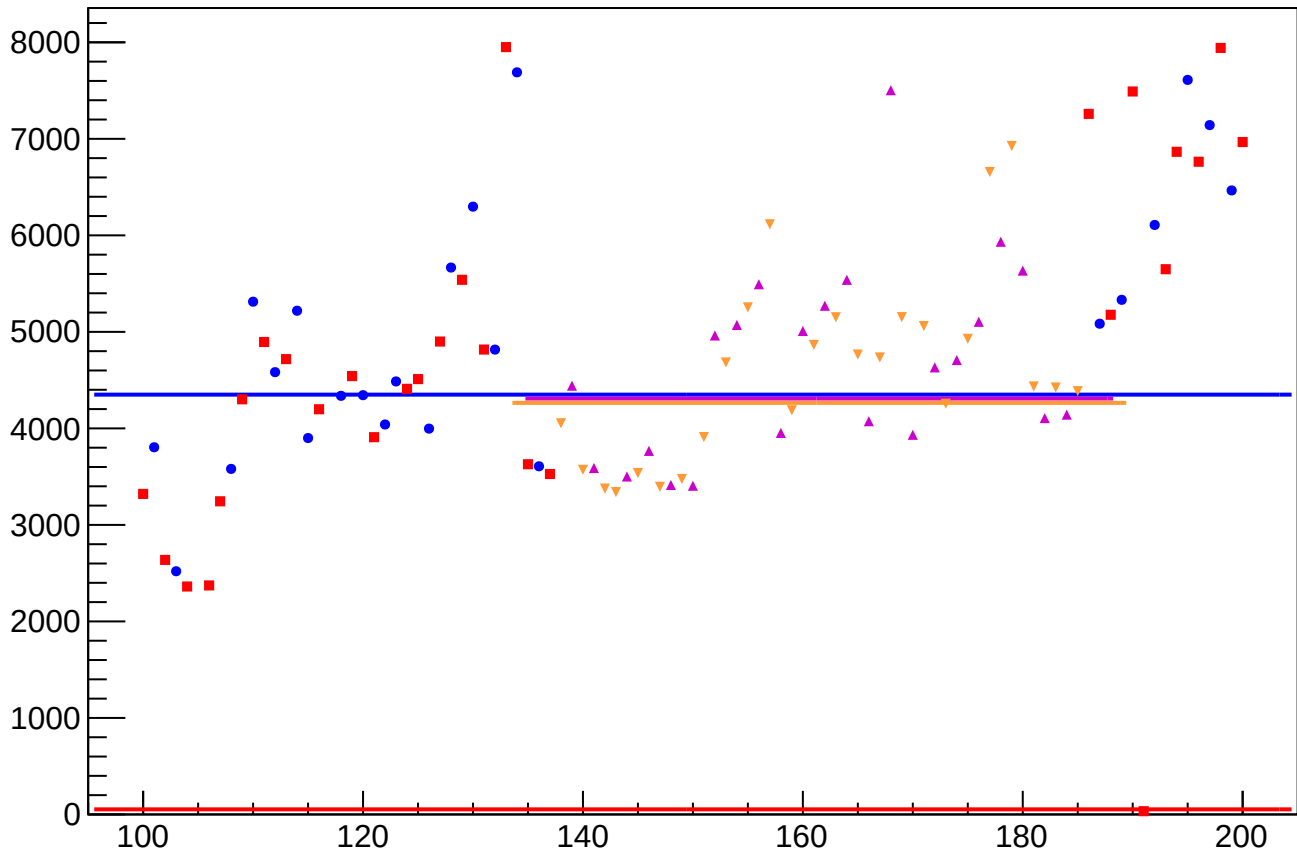
Left In: 150.495 ± 1053.655 χ^2/NDF : 16.9/22

+ sign -332.726 ± 824.584 χ^2/NDF : 49.2/47

All: -24.575 ± 85.074 χ^2/NDF : 96.0/98

- sign -21.260 ± 85.530 χ^2/NDF : 46.6/50

asym_atr_dd_correction_rms vs Slug



Right In: 4349.754+/-0.995 χ^2/NDF : 1901930.9/22

Left Out: 4264.433+/-0.720 χ^2/NDF :1354900.8/24

Right Out: 52.908+/-0.061 χ^2/NDF : 24551018.0/27

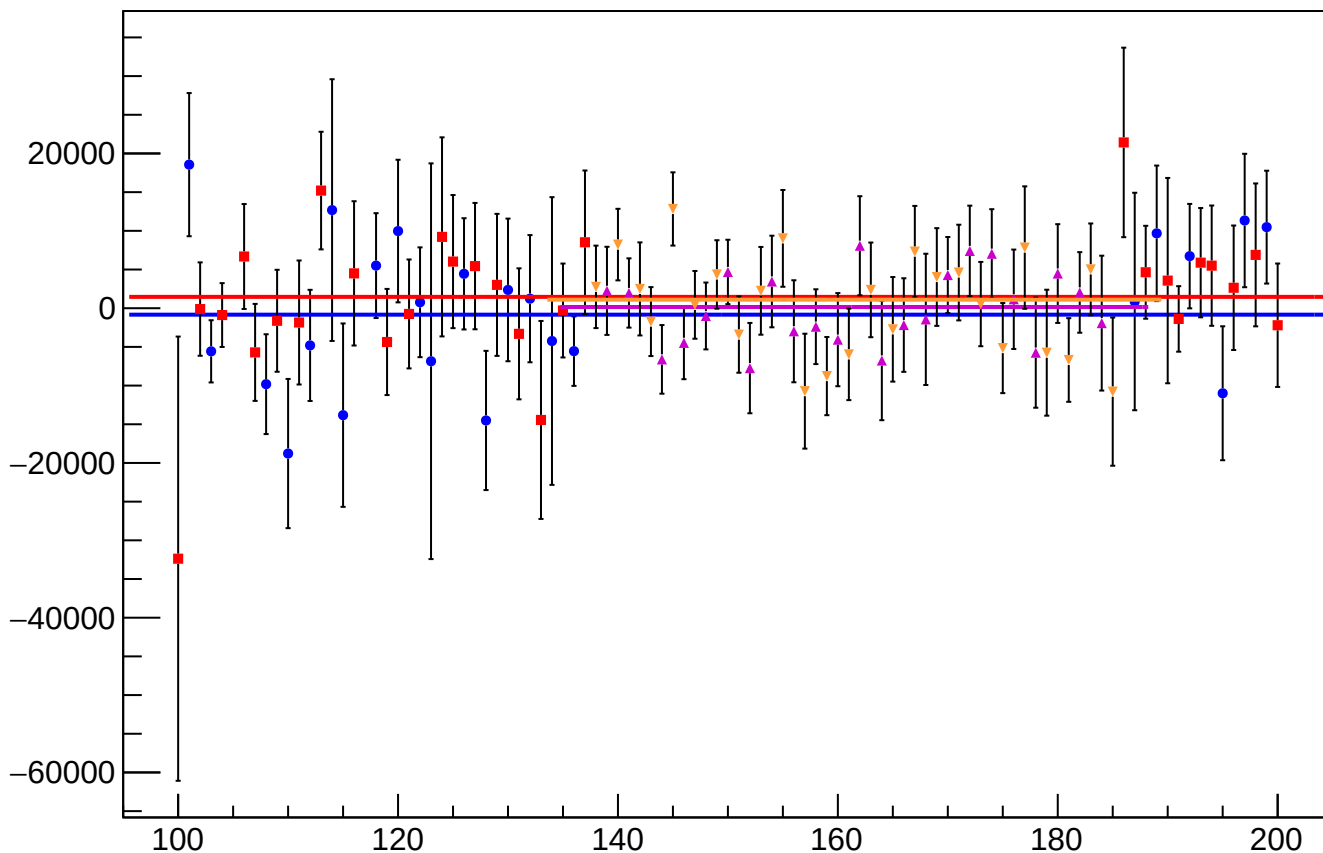
Left In: 4309.034+/-0.745 χ^2/NDF :1305133.3/22

+ sign 4293.743+/-0.583 χ^2/NDF : 3261660.7/47

All: 125.797+/-0.060 χ^2/NDF : 113183969.4/50

- sign 80.954+/-0.060 χ^2/NDF : 58274482.1/50

asym_atr_dd_mean vs Slug



Right In: -834.139 ± 1601.799 $\chi^2/\text{NDF}: 28.3/22$

Left Out: 1102.204 ± 1126.663 $\chi^2/\text{NDF}: 28.6/24$

Right Out: 1466.710 ± 1381.204 $\chi^2/\text{NDF}: 16.4/27$

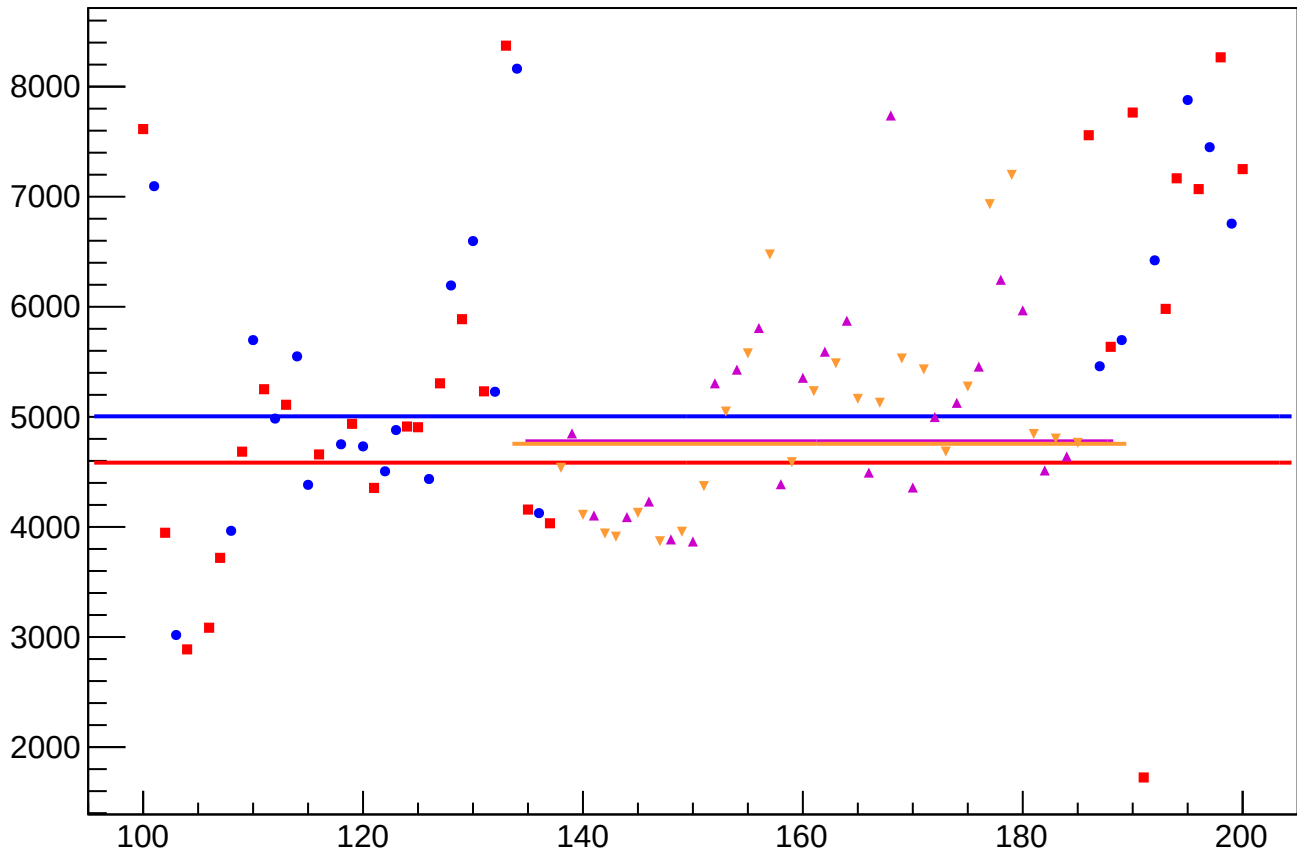
Left In: 158.683 ± 1161.507 $\chi^2/\text{NDF}: 15.5/22$

+ sign 461.304 ± 921.536 $\chi^2/\text{NDF}: 57.9/47$

All: 585.213 ± 639.796 $\chi^2/\text{NDF}: 90.3/98$

- sign 700.517 ± 888.961 $\chi^2/\text{NDF}: 32.4/50$

asym_atr_dd_rms vs Slug



Right In: 5004.834+/-1.133 χ^2/NDF : 1517217.0/22

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 4584.147+/-0.973 χ^2/NDF : 3070570.3/27

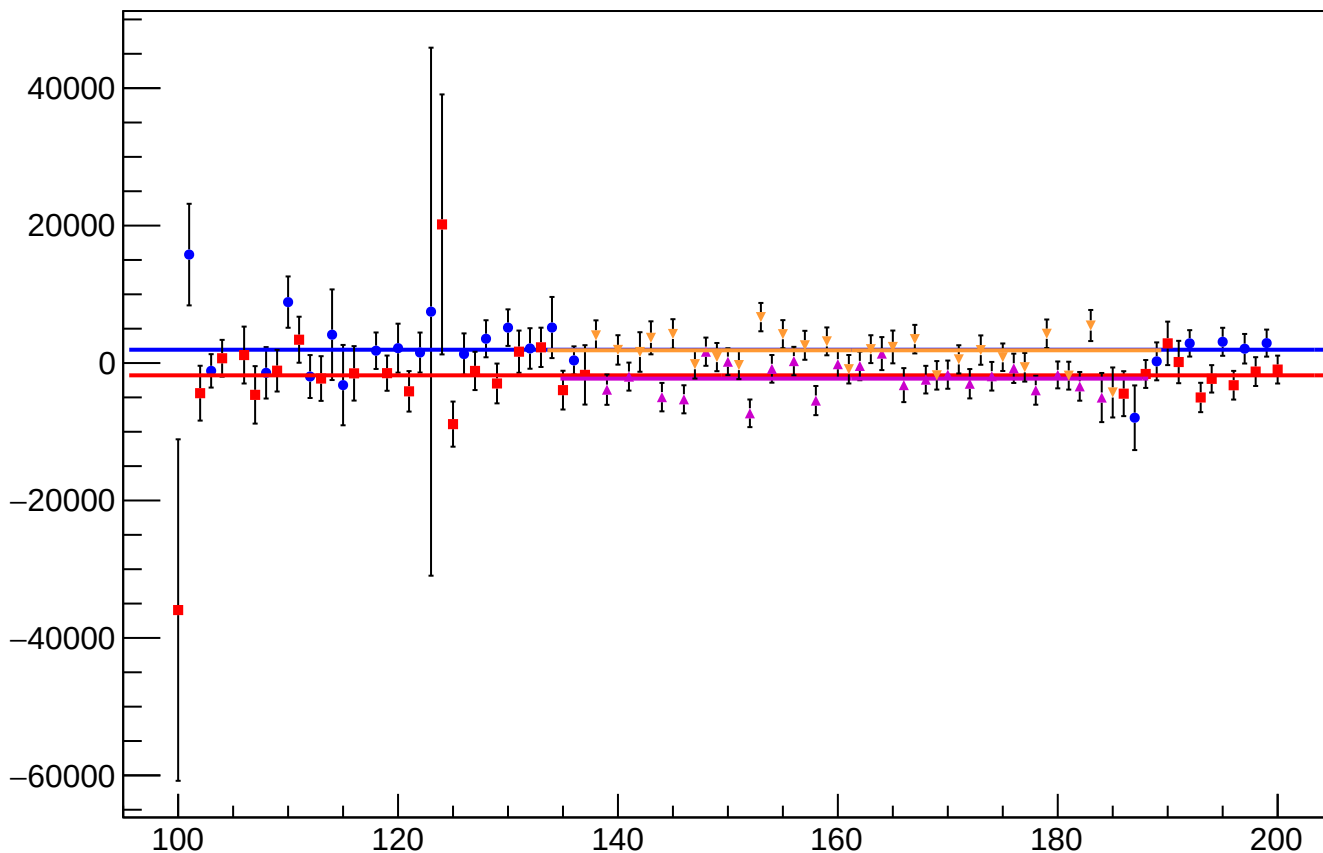
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4837.948+/-0.652 χ^2/NDF : 2502995.4/47

All: 4764.959+/-0.452 χ^2/NDF : 6571179.2/98

- sign 4697.250+/-0.628 χ^2/NDF : 4043998.9/50

reg_asym_at1_avg_mean vs Slug



Right In: 1937.266 ± 599.532 χ^2/NDF : 20.4/22

Left Out: 1856.570 ± 430.977 χ^2/NDF : 30.0/24

Right Out: -1789.226 ± 541.722 χ^2/NDF : 23.7/27

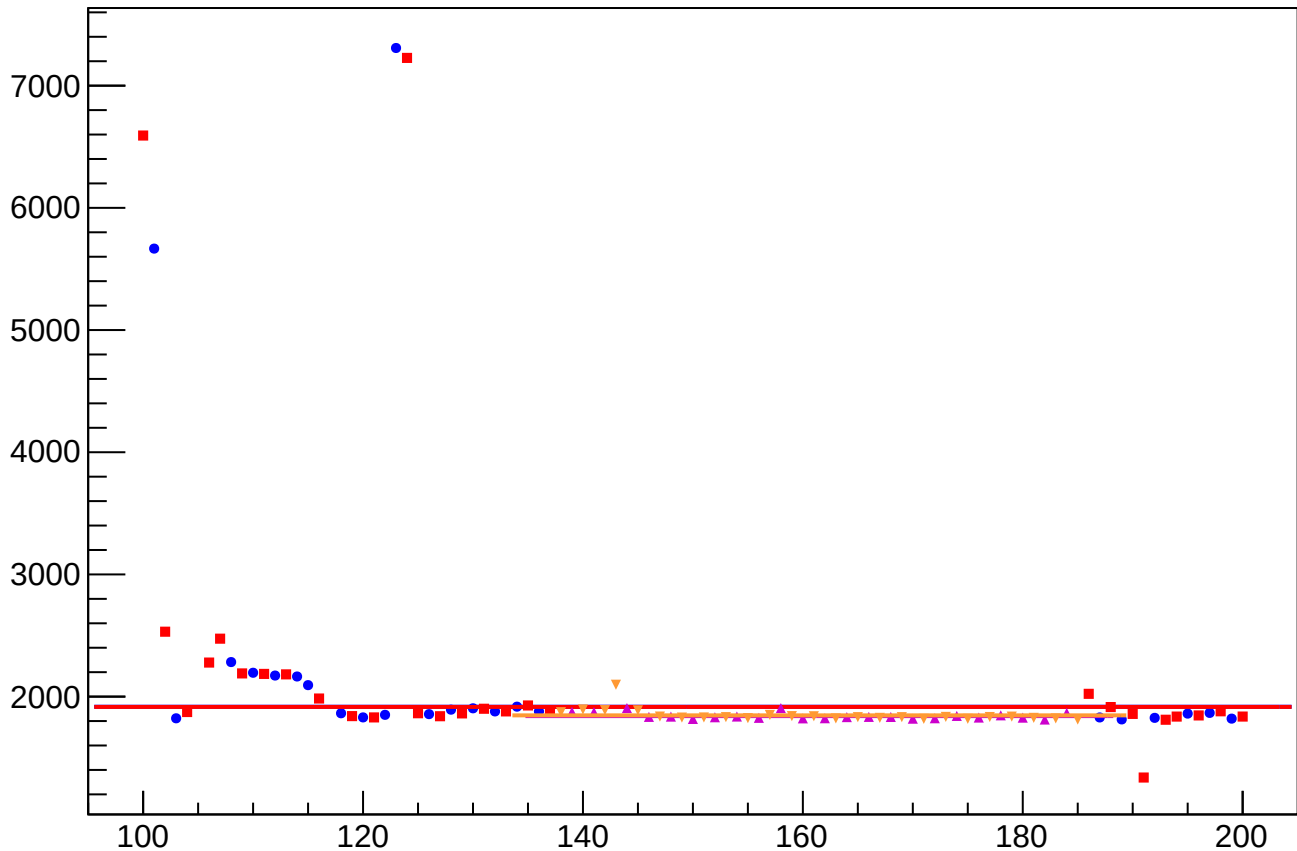
Left In: -2268.464 ± 441.710 χ^2/NDF : 26.9/22

+ sign 1884.063 ± 349.942 χ^2/NDF : 50.4/47

All: -140.036 ± 244.712 χ^2/NDF : 166.9/98

- sign -2077.083 ± 342.334 χ^2/NDF : 51.0/50

reg_asym_at1_avg_rms vs Slug



Right In: 1917.142 $\pm$ 0.424 χ^2 /NDF: 625788.0/22

Left Out: 1846.602 $\pm$ 0.305 χ^2 /NDF: 27302.8/24

Right Out: 1915.716 $\pm$ 0.383 χ^2 /NDF: 464626.7/27

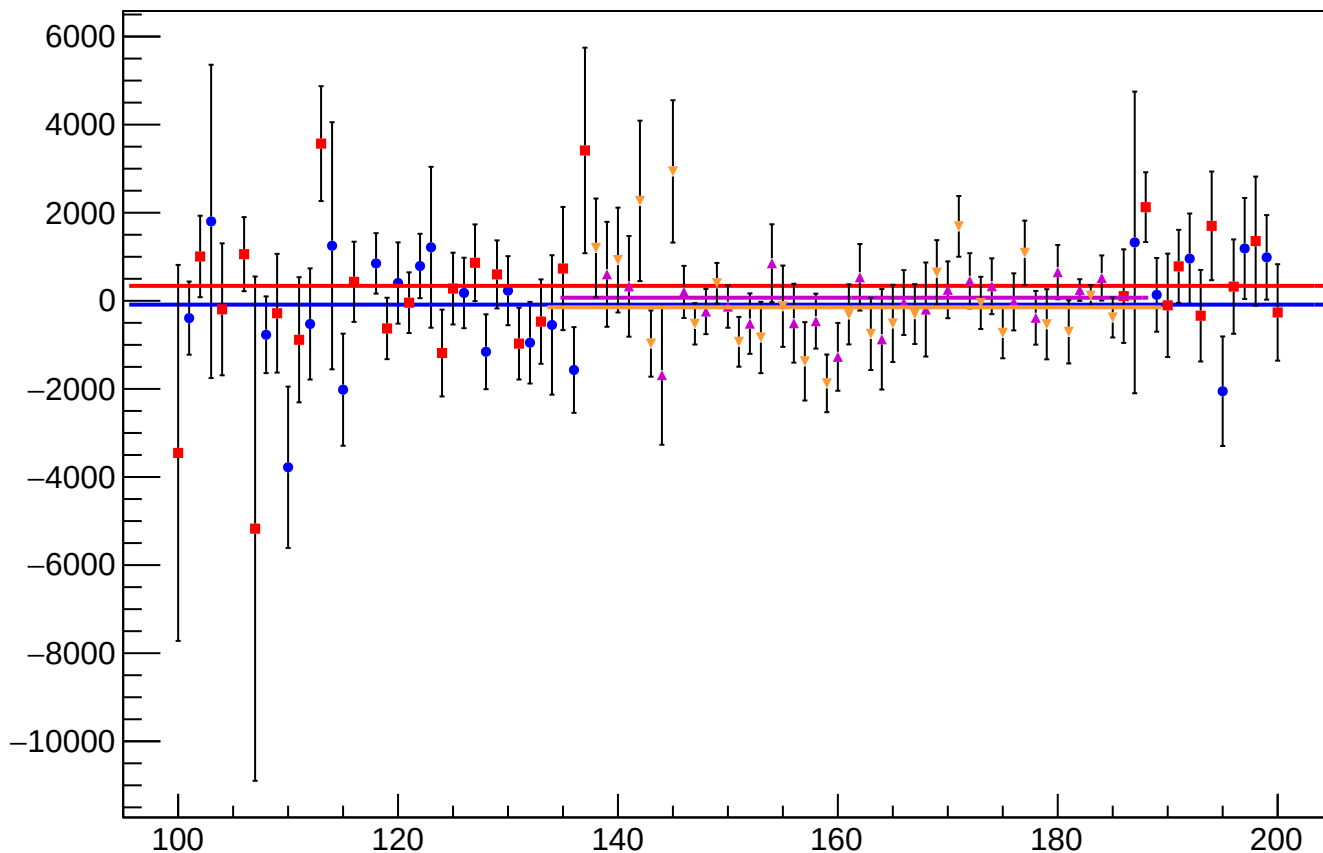
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1870.635 $\pm$ 0.247 χ^2 /NDF: 671345.1/47

All: 1870.598 $\pm$ 0.173 χ^2 /NDF: 1165845.4/98

- sign 1870.562 $\pm$ 0.242 χ^2 /NDF: 494500.3/50

asym_at1_avg_correction_mean vs Slug



Right In: -86.900 ± 212.485 χ^2/NDF : 23.3/22

Left Out: -146.999 ± 121.984 χ^2/NDF : 37.7/24

Right Out: 339.856 ± 191.185 χ^2/NDF : 28.4/27

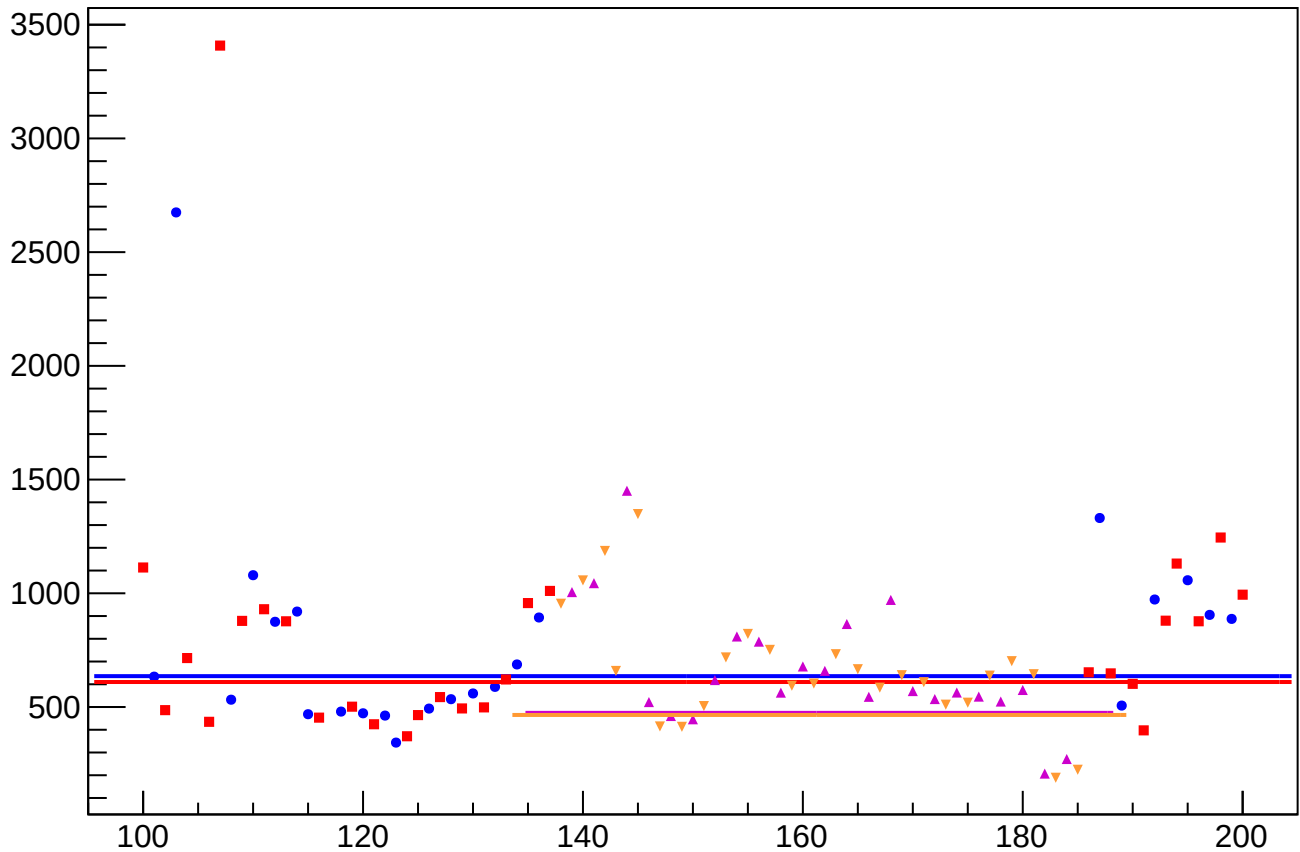
Left In: 70.340 ± 126.373 χ^2/NDF : 12.3/22

+ sign -132.102 ± 105.791 χ^2/NDF : 61.0/47

All: 10.588 ± 74.675 χ^2/NDF : 106.7/98

- sign 152.291 ± 105.424 χ^2/NDF : 42.1/50

asym_at1_avg_correction_rms vs Slug



Right In: 635.725 $\pm$ 0.150 χ^2 /NDF: 2343787.9/22

Left Out: 465.080 $\pm$ 0.086 χ^2 /NDF: 7086137.6/24

Right Out: 609.916 $\pm$ 0.135 χ^2 /NDF: 2990824.4/27

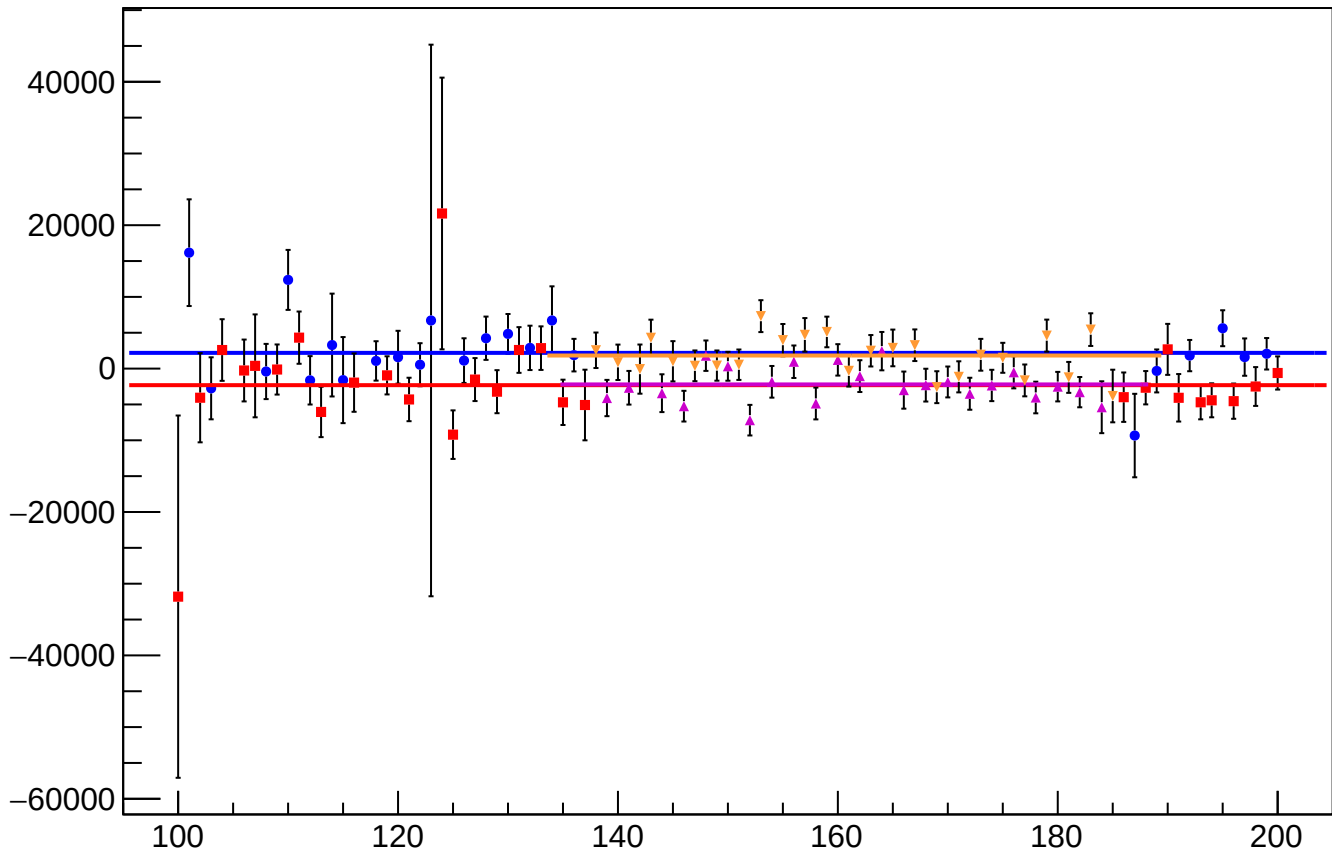
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 507.379 $\pm$ 0.075 χ^2 /NDF: 10400085.8/47

All: 511.459 $\pm$ 0.053 χ^2 /NDF: 20270671.3/98

- sign 515.510 $\pm$ 0.075 χ^2 /NDF: 9864657.3/50

asym_at1_avg_mean vs Slug



Right In: 2193.855 ± 674.228 χ^2/NDF : 22.5/22

Left Out: 1824.066 ± 462.694 χ^2/NDF : 32.1/24

Right Out: -2310.607 ± 614.576 χ^2/NDF : 26.4/27

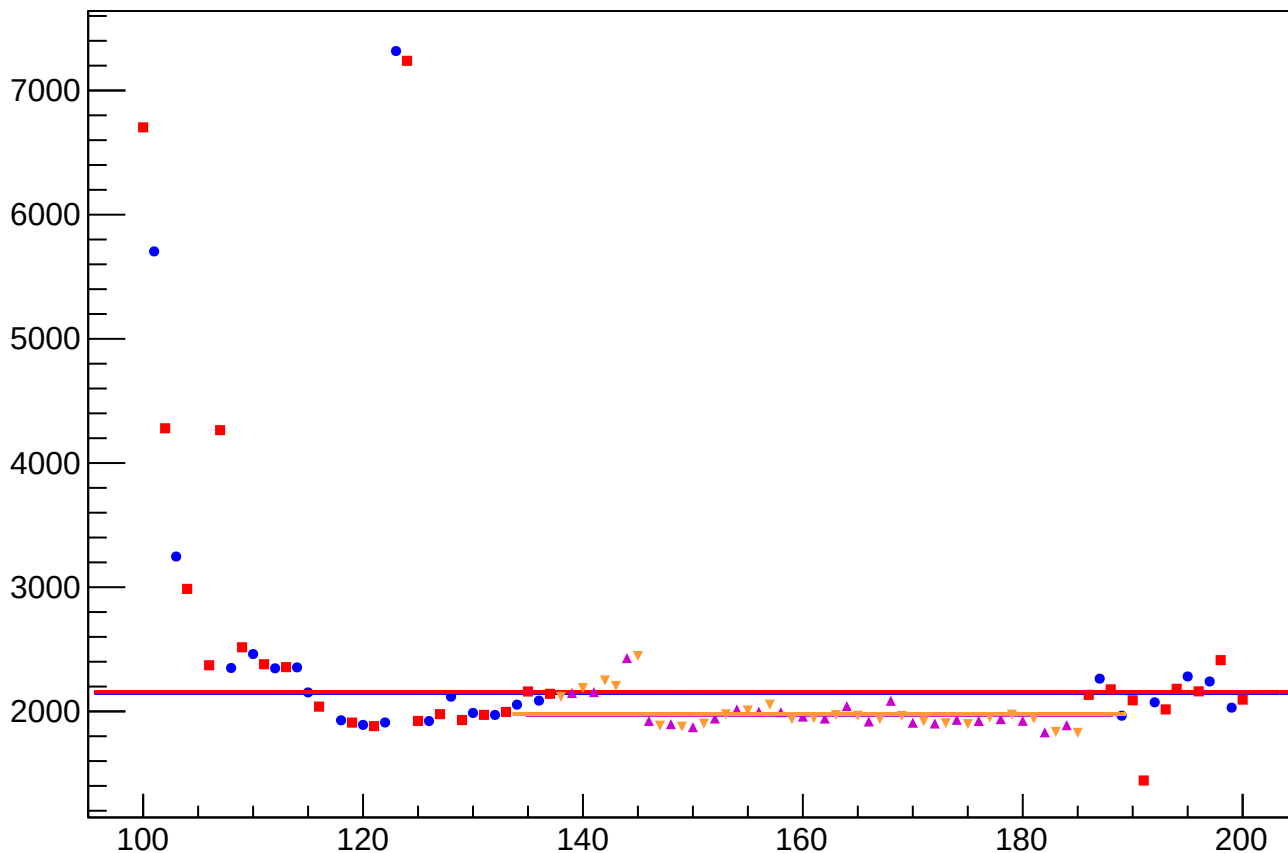
Left In: -2208.114 ± 474.050 χ^2/NDF : 25.3/22

+ sign 1942.460 ± 381.500 χ^2/NDF : 54.8/47

All: -185.927 ± 267.564 χ^2/NDF : 167.8/98

- sign -2246.347 ± 375.360 χ^2/NDF : 51.8/50

asym_at1_avg_rms vs Slug



Right In: 2148.519+/-0.477 χ^2/NDF : 733201.4/22

Left Out: 1978.997+/-0.327 χ^2/NDF :139299.8/24

Right Out: 2155.958+/-0.435 χ^2/NDF : 925104.6/27

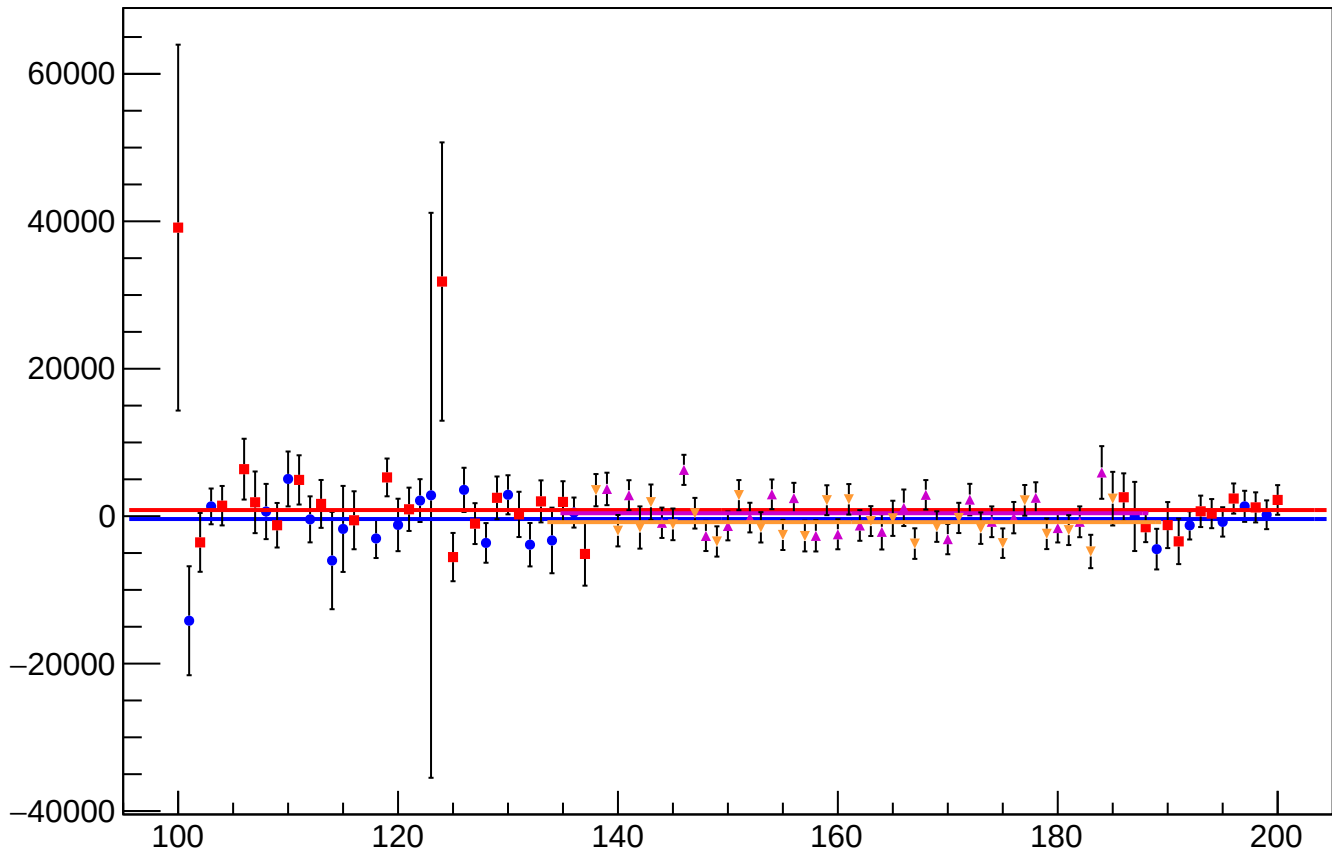
Left In: 1972.166+/-0.335 χ^2/NDF :116452.5/22

+ sign 2033.272+/-0.270 χ^2/NDF : 958455.6/47

All: 2037.060+/-0.189 χ^2/NDF : 2112545.2/98

- sign 2040.726+/-0.265 χ^2/NDF : 1153701.6/50

reg_asym_at1_dd_mean vs Slug



Right In: -388.665+/-596.010 χ^2/NDF : 18.7/22

Left Out: -808.436+/-430.304 χ^2/NDF : 27.9/24

Right Out: 830.324+/-538.253 χ^2/NDF : 25.3/27

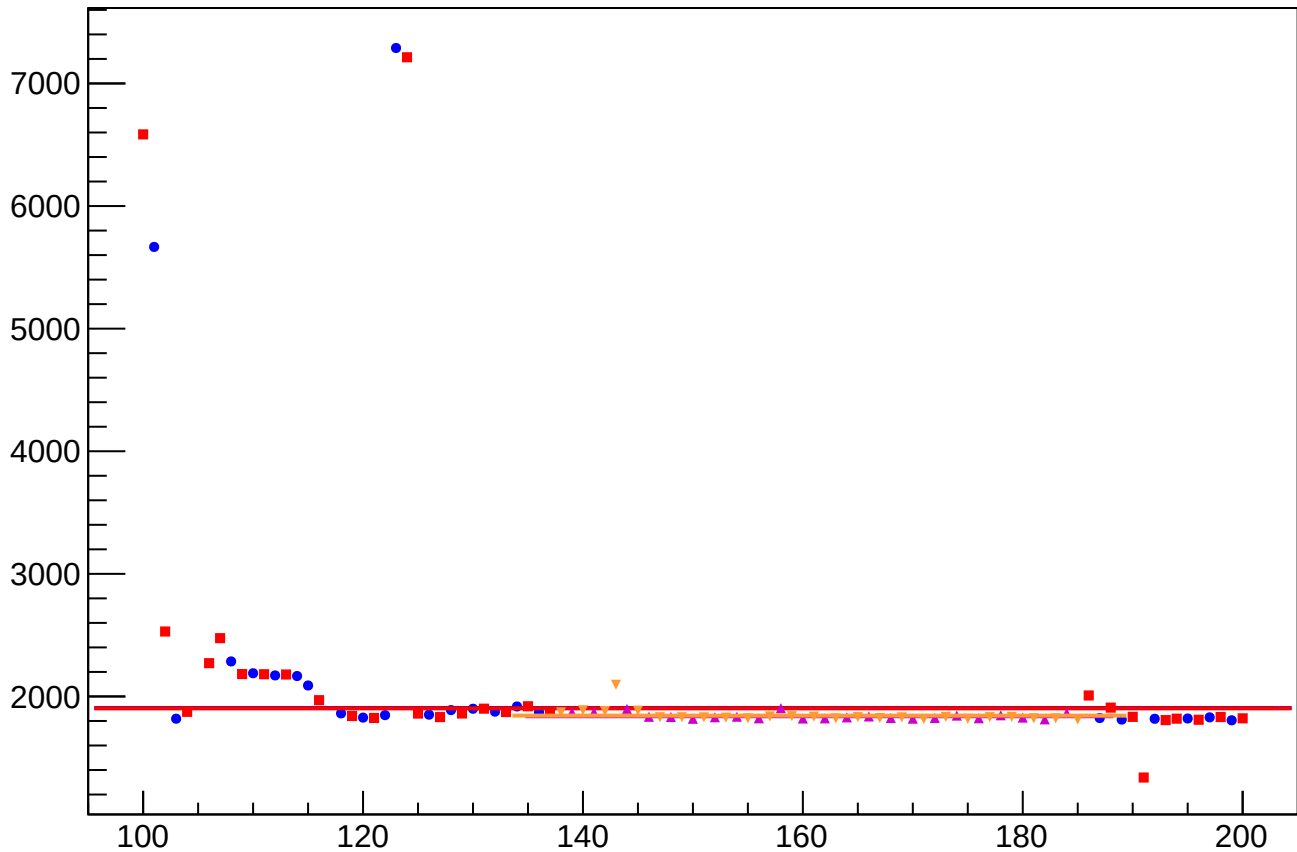
Left In: 398.797+/-441.246 χ^2/NDF : 34.4/22

+ sign -664.604+/-348.879 χ^2/NDF : 47.0/47

All: -32.492+/-243.949 χ^2/NDF : 113.4/98

- sign 572.238+/-341.239 χ^2/NDF : 60.0/50

reg_asym_at1_dd_rms vs Slug



Right In: 1905.500+/-0.421 χ^2/NDF : 634113.0/22

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1903.230+/-0.381 χ^2/NDF : 471132.0/27

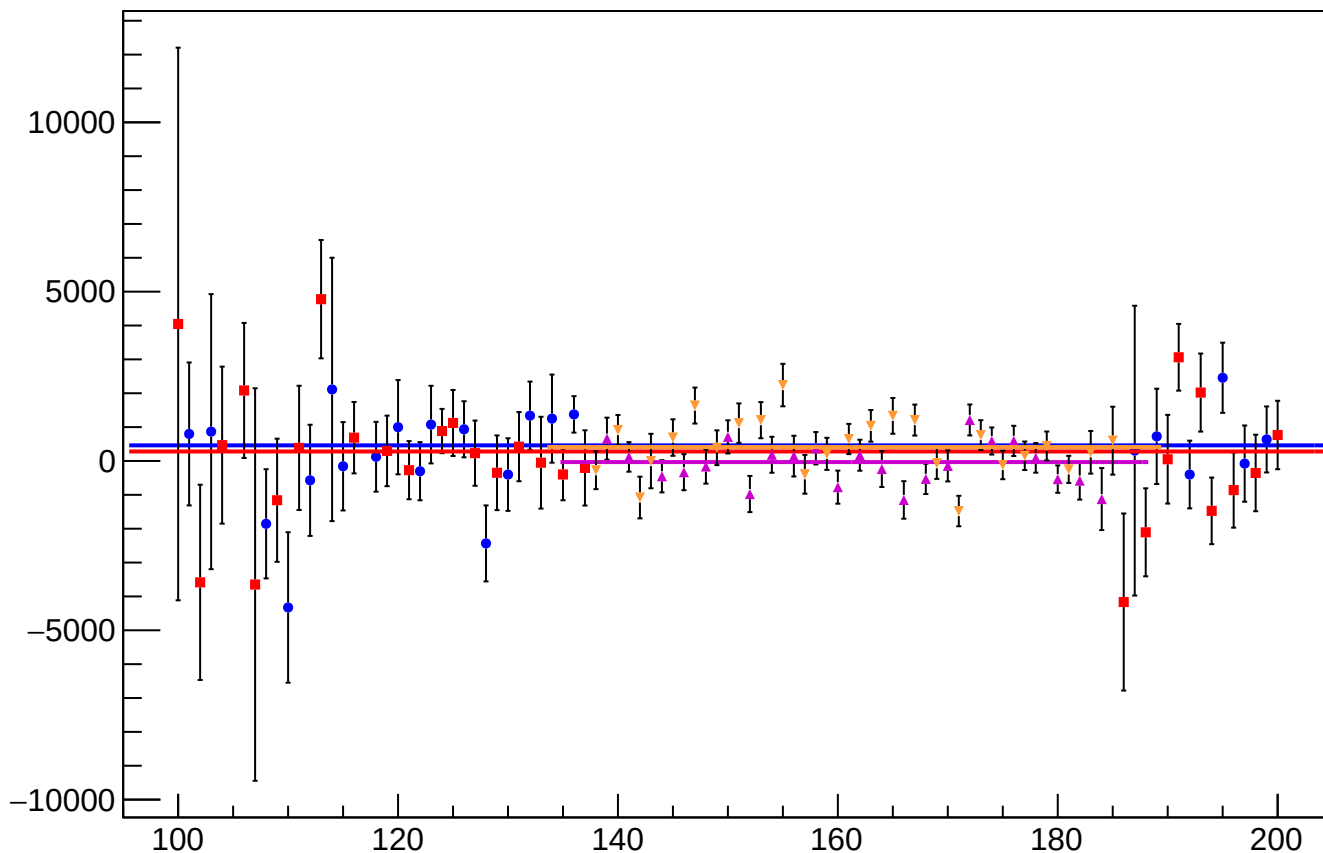
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1864.906+/-0.247 χ^2/NDF : 675094.3/47

All: 1864.741+/-0.172 χ^2/NDF : 1169801.8/98

- sign 1864.583+/-0.241 χ^2/NDF : 494706.6/50

asym_at1_dd_correction_mean vs Slug



Right In: 461.279 $\pm$ 235.993 χ^2 /NDF: 25.3/22

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

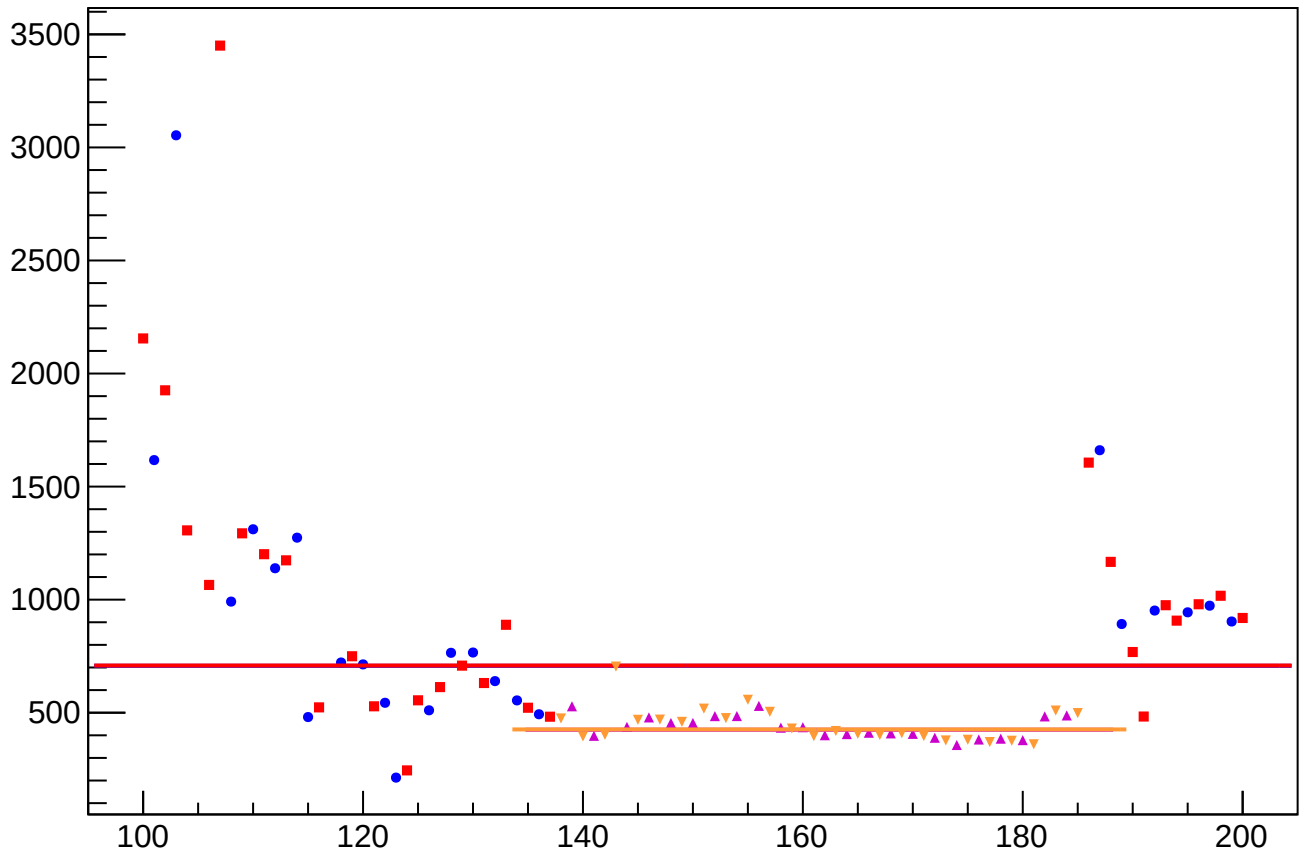
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 418.774 $\pm$ 92.430 χ^2 /NDF: 86.5/47

All: 221.918 $\pm$ 65.489 χ^2 /NDF: 165.4/98

- sign 23.478 $\pm$ 92.802 χ^2 /NDF: 69.8/50

asym_at1_dd_correction_rms vs Slug



Right In: 707.405 $\pm$ 0.167 χ^2 /NDF: 2962832.3/22

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

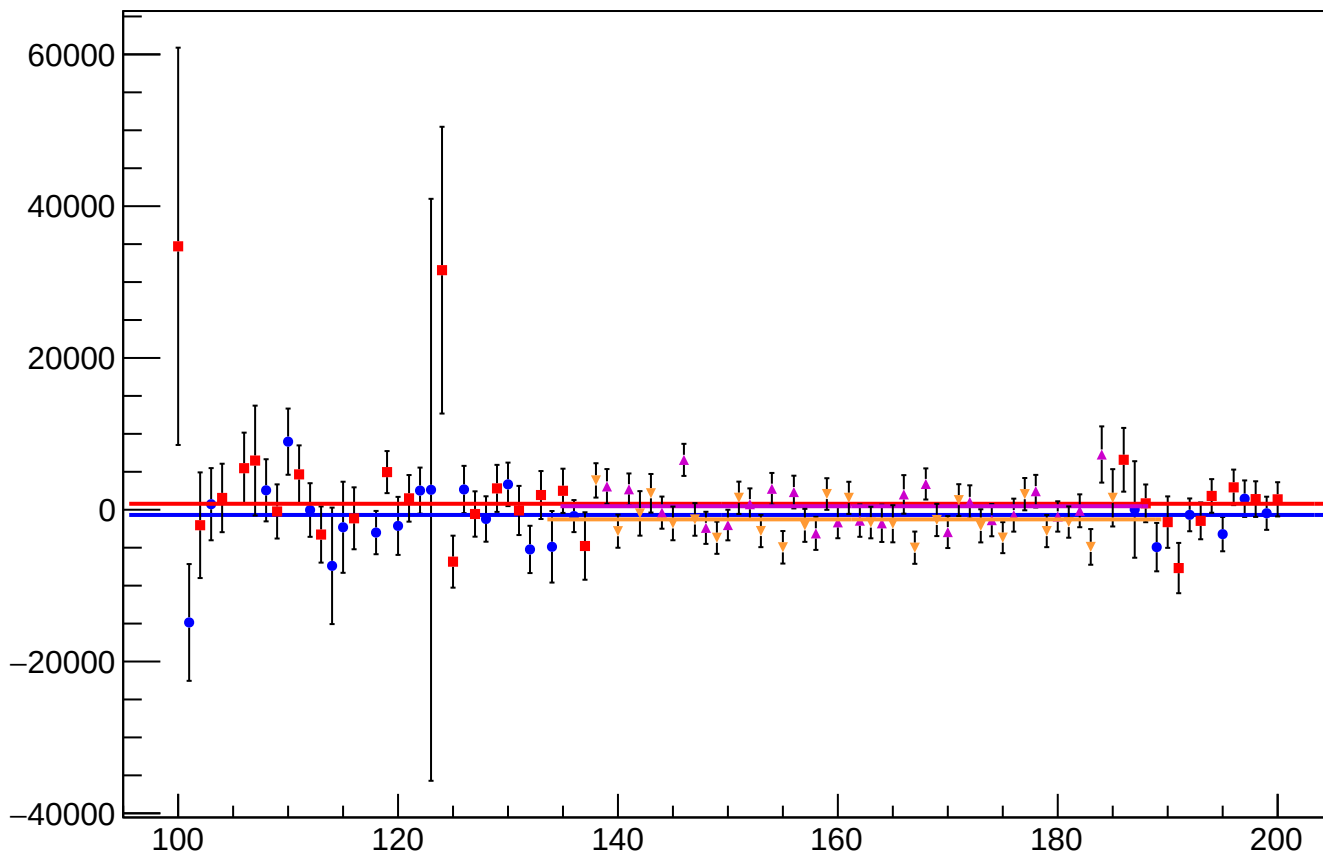
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 469.191 $\pm$ 0.065 χ^2 /NDF: 6102977.8/47

All: 472.283 $\pm$ 0.046 χ^2 /NDF: 13421330.9/98

- sign 475.400 $\pm$ 0.066 χ^2 /NDF: 7313859.9/50

asym_at1_dd_mean vs Slug



Right In: -686.354 ± 670.666 χ^2/NDF : 21.7/22

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 785.736 ± 614.171 χ^2/NDF : 29.7/27

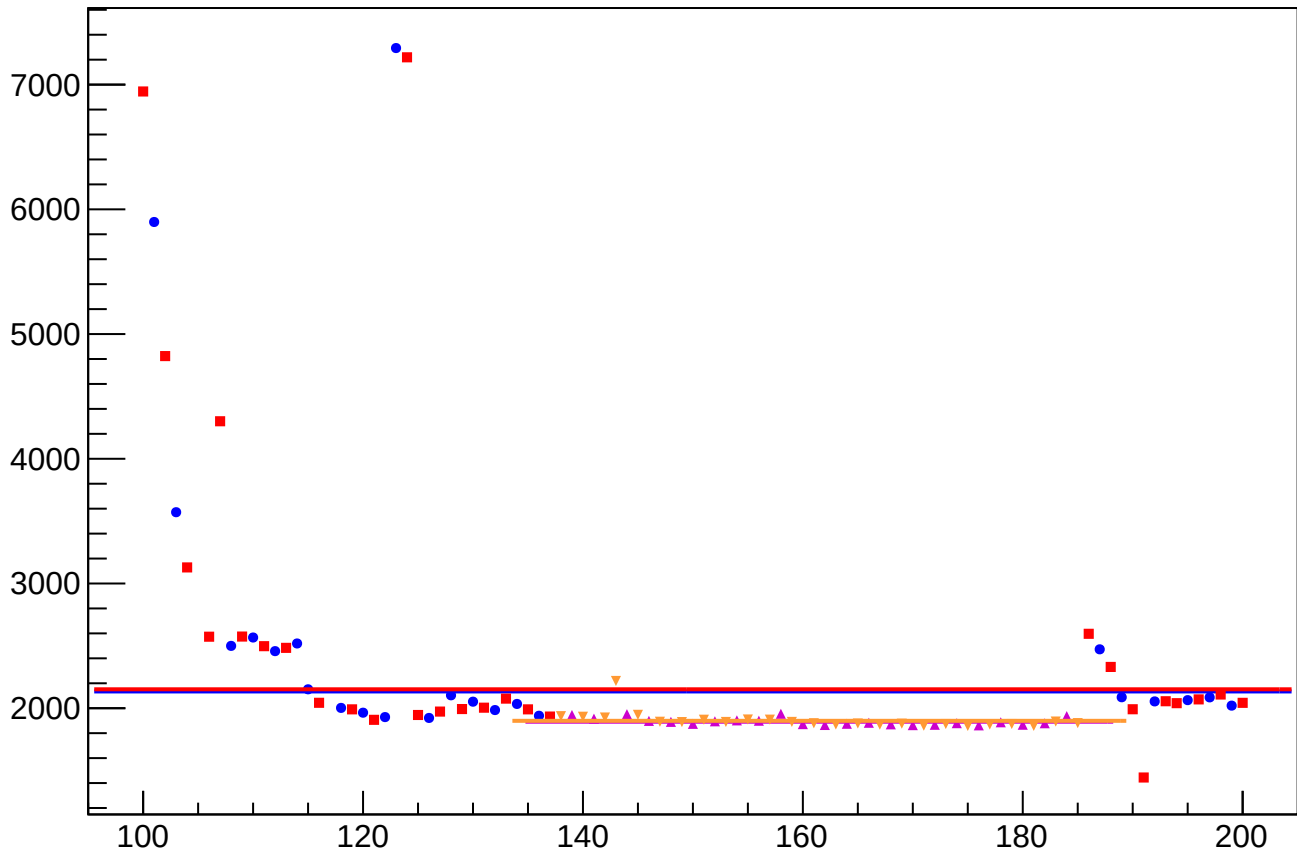
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1091.111 ± 369.768 χ^2/NDF : 53.1/47

All: -246.478 ± 259.783 χ^2/NDF : 125.8/98

- sign 576.762 ± 365.055 χ^2/NDF : 62.5/50

asym_at1_dd_rms vs Slug



Right In: 2134.440 $\pm$ 0.474 χ^2 /NDF: 823042.4/22

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

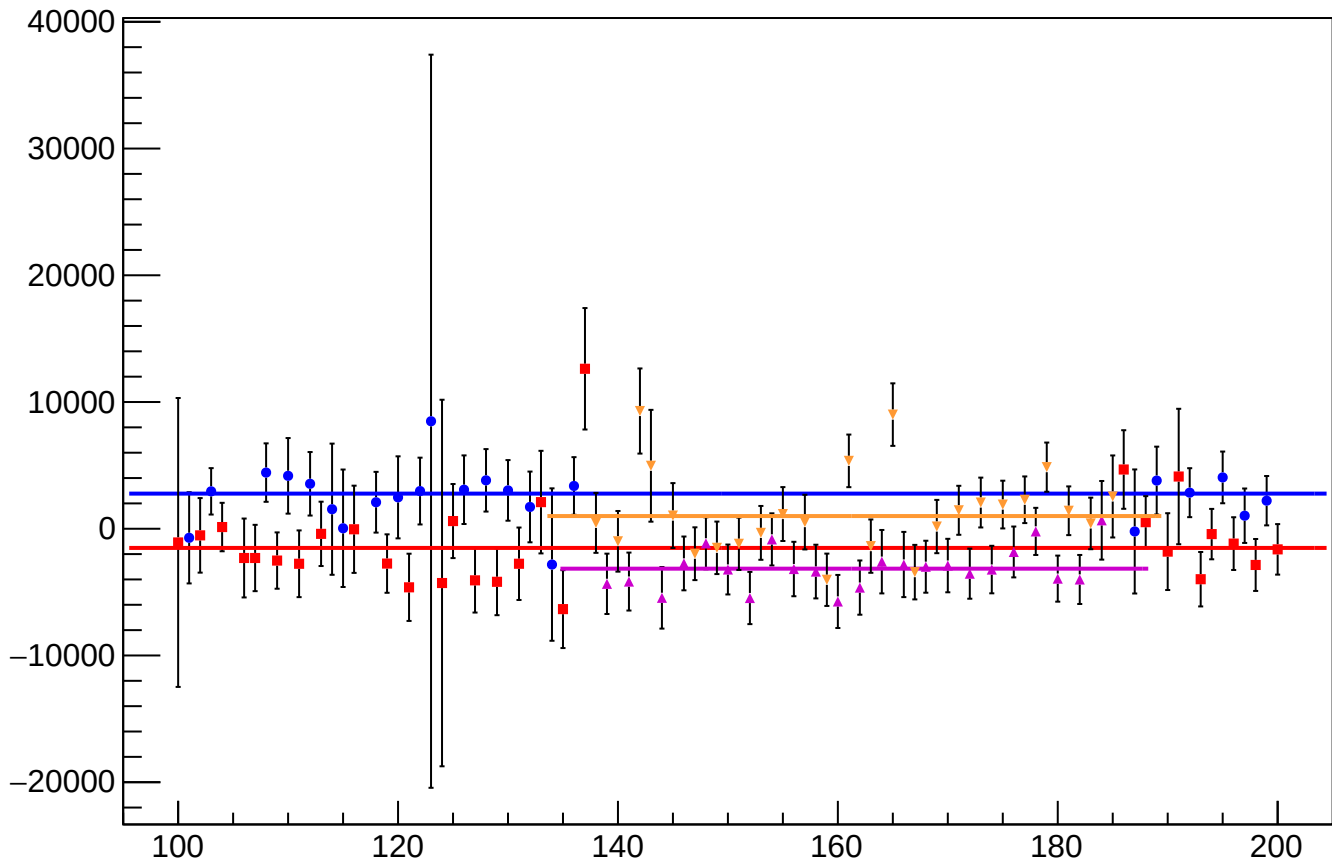
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1970.542 $\pm$ 0.261 χ^2 /NDF: 1033332.8/47

All: 1977.138 $\pm$ 0.184 χ^2 /NDF: 2327382.0/98

- sign 1983.566 $\pm$ 0.258 χ^2 /NDF: 1292792.8/50

reg_asym_at2_avg_mean vs Slug



Right In: 2772.153 ± 548.047 χ^2/NDF : 5.3/22

Left Out: 1001.263 ± 435.247 χ^2/NDF : 44.6/24

Right Out: -1513.607 ± 500.479 χ^2/NDF : 26.4/27

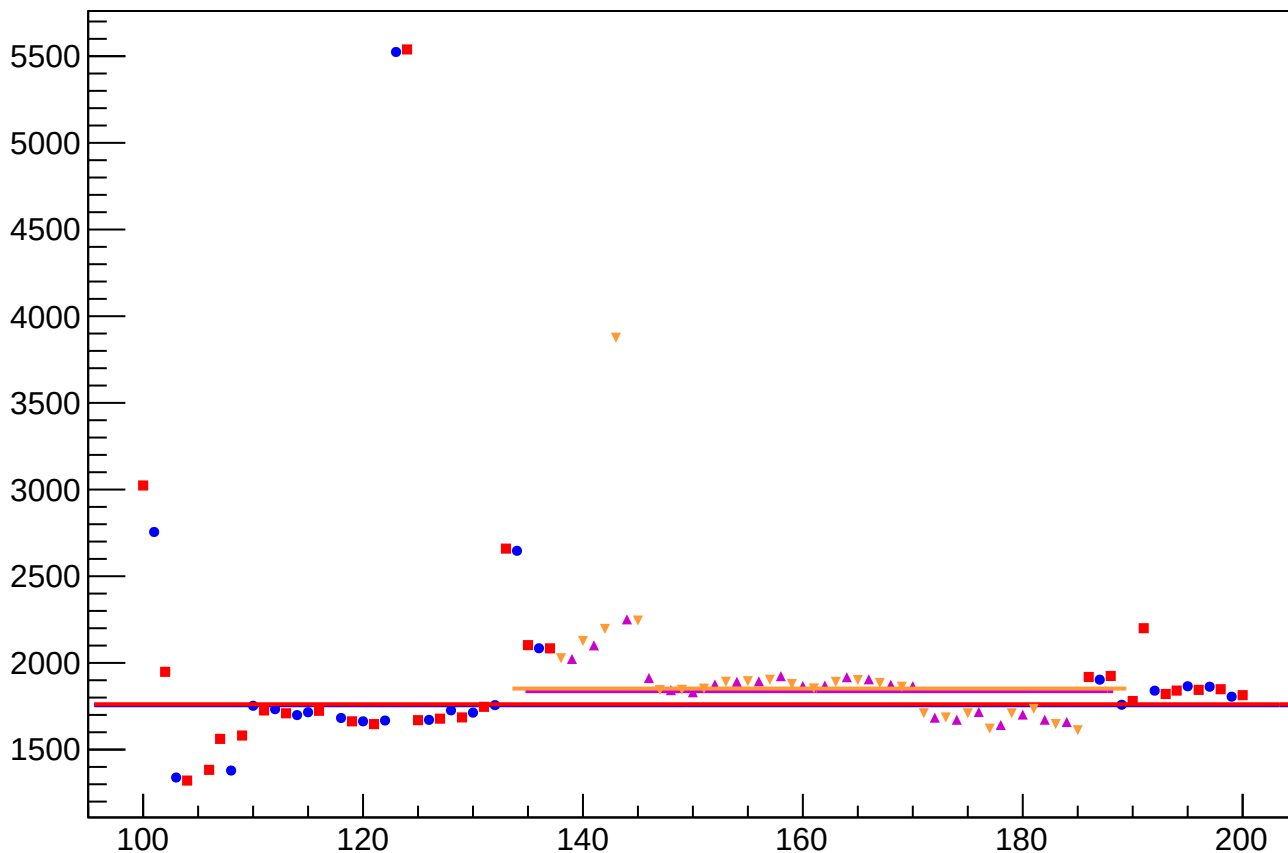
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1686.197 ± 340.837 χ^2/NDF : 56.3/47

All: -435.000 ± 237.430 χ^2/NDF : 175.8/98

- sign -2434.755 ± 330.936 χ^2/NDF : 44.3/50

reg_asym_at2_avg_rms vs Slug



Right In: 1755.926 $\pm$ 0.388 χ^2 /NDF: 457639.4/22

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

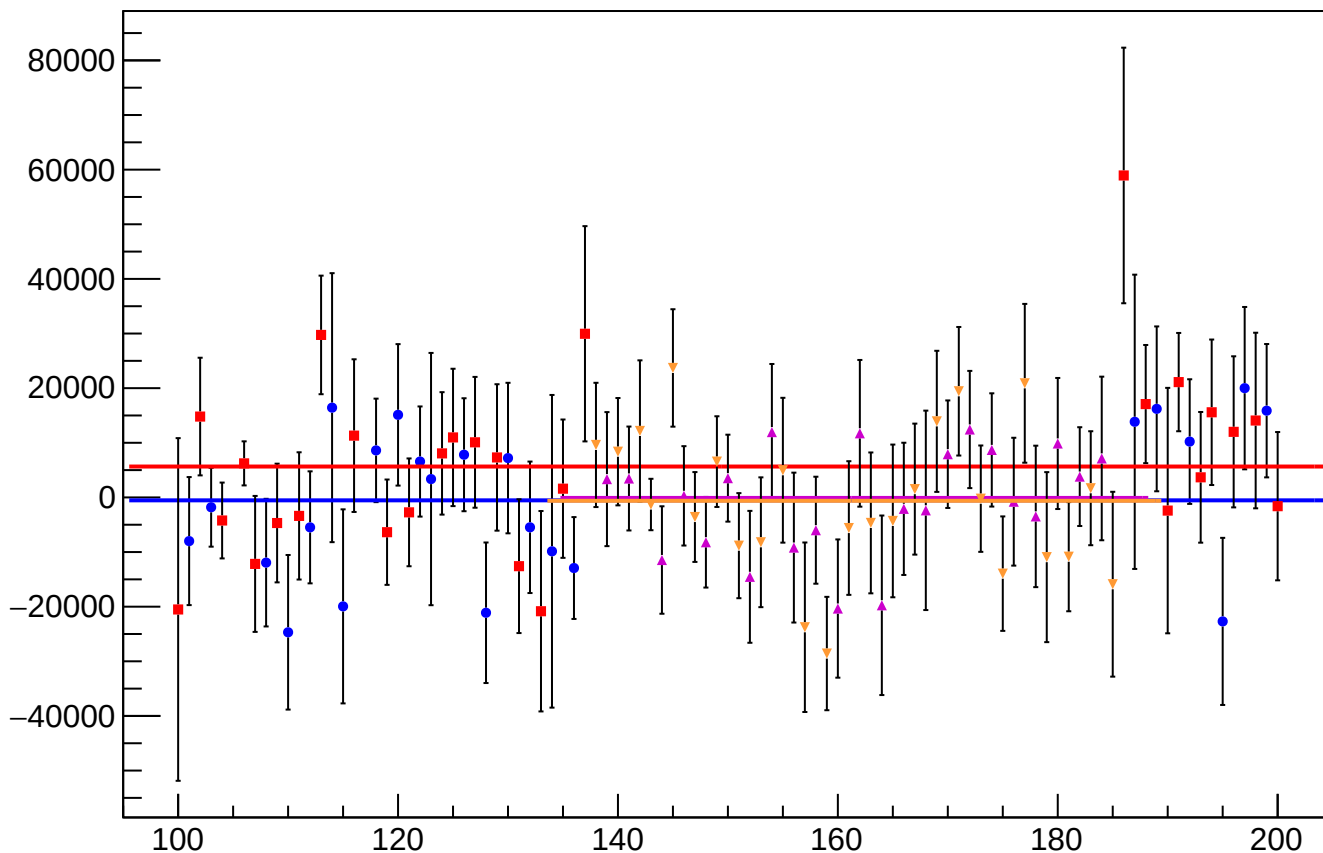
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1814.816 $\pm$ 0.241 χ^2 /NDF: 1144251.0/47

All: 1809.279 $\pm$ 0.168 χ^2 /NDF: 1892048.2/98

- sign 1804.058 $\pm$ 0.234 χ^2 /NDF: 746771.7/50

asym_at2_avg_correction_mean vs Slug



Right In: -534.710 ± 2571.368 χ^2/NDF : 22.9/22

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 5654.593 ± 2016.323 χ^2/NDF : 31.4/27

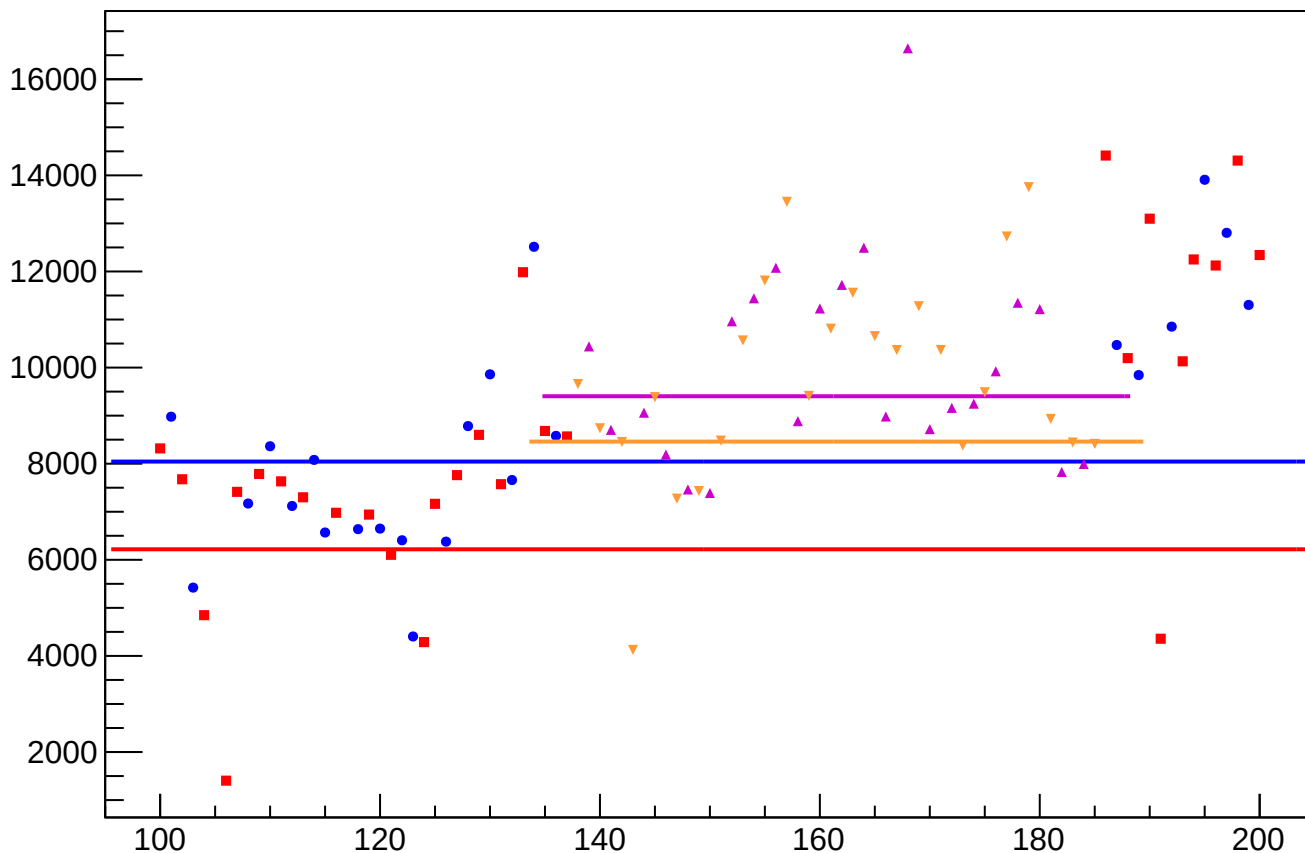
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -586.087 ± 1612.295 χ^2/NDF : 53.1/47

All: 1398.360 ± 1103.835 χ^2/NDF : 105.5/98

- sign 3149.175 ± 1514.415 χ^2/NDF : 49.6/50

asym_at2_avg_correction_rms vs Slug



Right In: 8044.343+/-1.818 χ^2/NDF : 1447339.6/22

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 6218.825+/-1.426 χ^2/NDF : 6285258.7/27

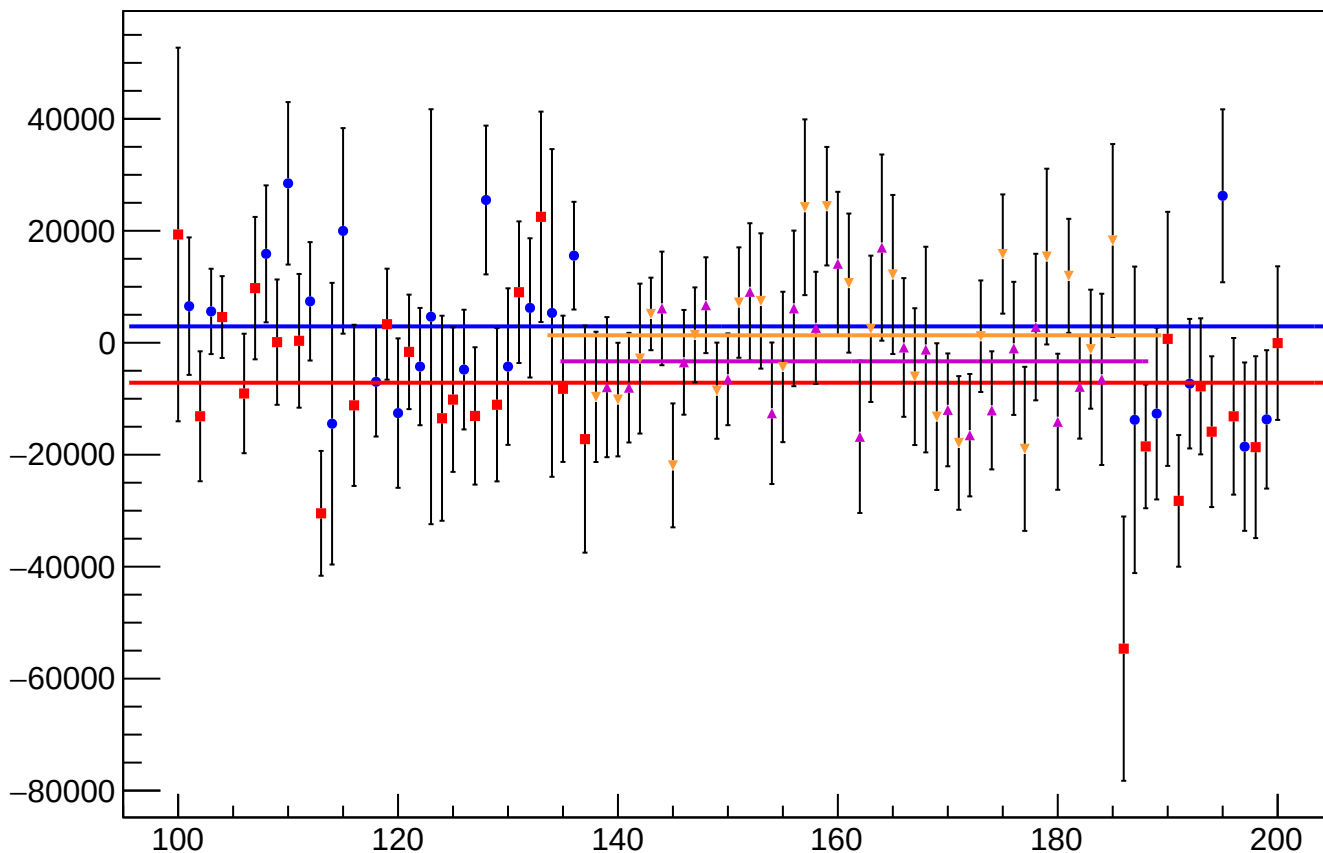
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8296.560+/-1.140 χ^2/NDF : 4566248.0/47

All: 7930.193+/-0.781 χ^2/NDF : 14363258.7/9

- sign 7606.960+/-1.071 χ^2/NDF : 9602629.6/50

asym_at2_avg_mean vs Slug



Right In: 2924.546 $\pm$ 2664.526 χ^2 /NDF: 22.6/22

Left Out: 1332.828 $\pm$ 2213.733 χ^2 /NDF: 28.0/24

Right Out: -7138.512 $\pm$ 2400.290 χ^2 /NDF: 26.6/27

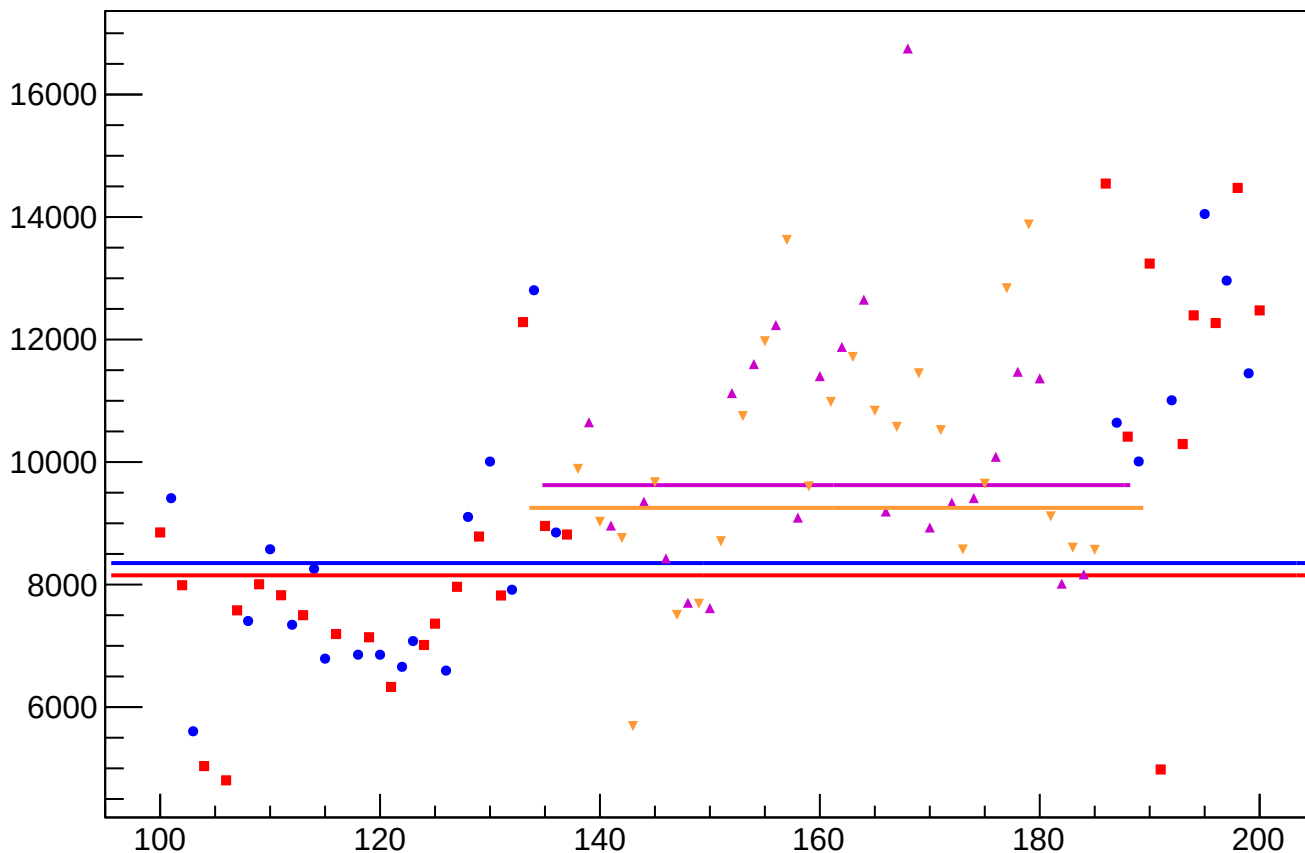
Left In: -3316.909 $\pm$ 2344.543 χ^2 /NDF: 13.7/22

+ sign 1982.844 $\pm$ 1702.742 χ^2 /NDF: 50.8/47

All: -1654.126 $\pm$ 1194.889 χ^2 /NDF: 101.5/98

- sign -5182.817 $\pm$ 1677.204 χ^2 /NDF: 41.7/50

asym_at2_avg_rms vs Slug



Right In: 8350.951 ± 1.884 $\chi^2/\text{NDF}: 1317444.8/22$

Left Out: 9252.712 ± 1.565 $\chi^2/\text{NDF}: 1597668.9/24$

Right Out: 8150.944 ± 1.697 $\chi^2/\text{NDF}: 2207681.1/27$

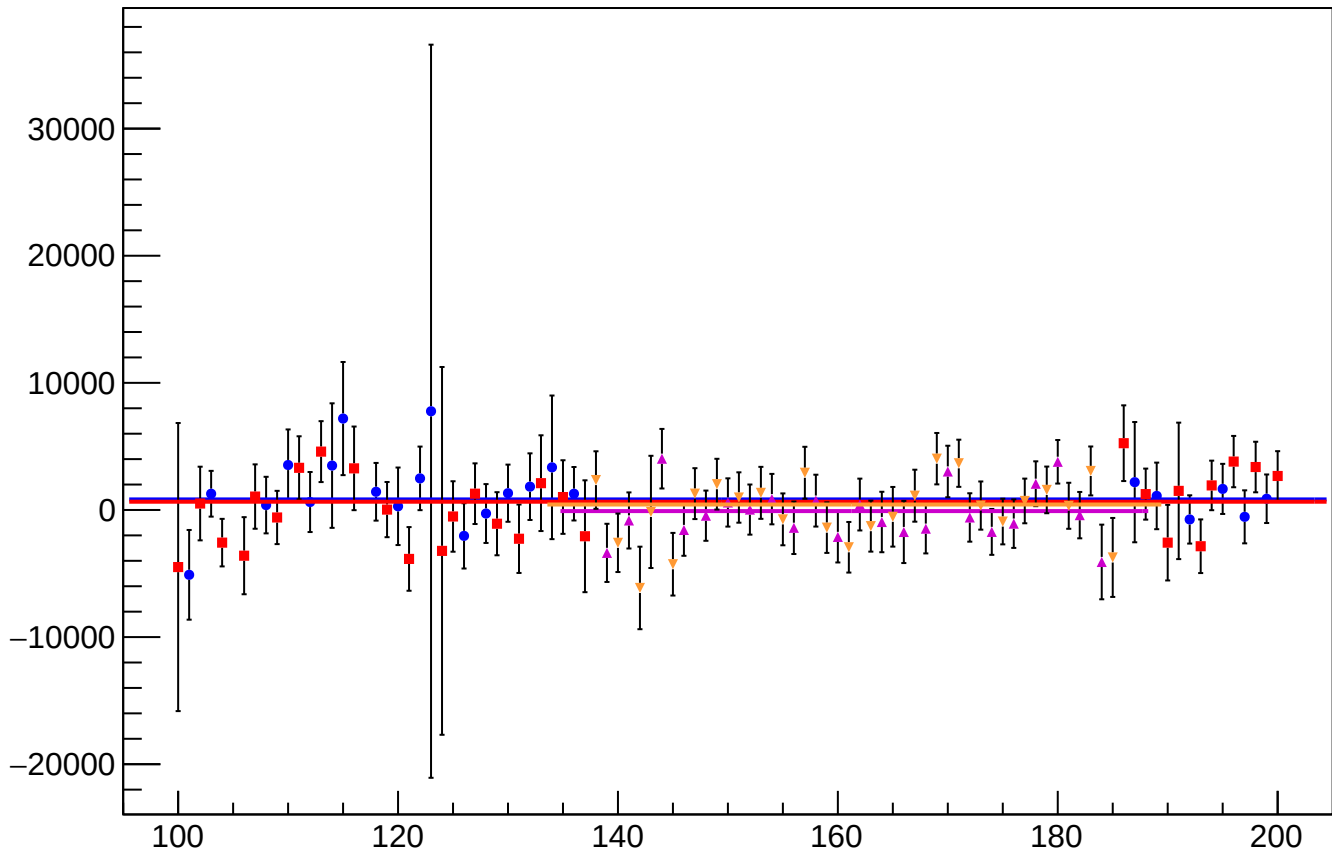
Left In: 9623.485 ± 1.658 $\chi^2/\text{NDF}: 1069924.0/22$

+ sign 8884.447 ± 1.204 $\chi^2/\text{NDF}: 3050642.4/47$

All: 8894.596 ± 0.845 $\chi^2/\text{NDF}: 6713631.9/98$

- sign 8904.442 ± 1.186 $\chi^2/\text{NDF}: 3662849.5/50$

reg_asym_at2_dd_mean vs Slug



Right In: 830.432 ± 525.478 χ^2/NDF : 10.1/22

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 649.163 ± 481.371 χ^2/NDF : 28.1/27

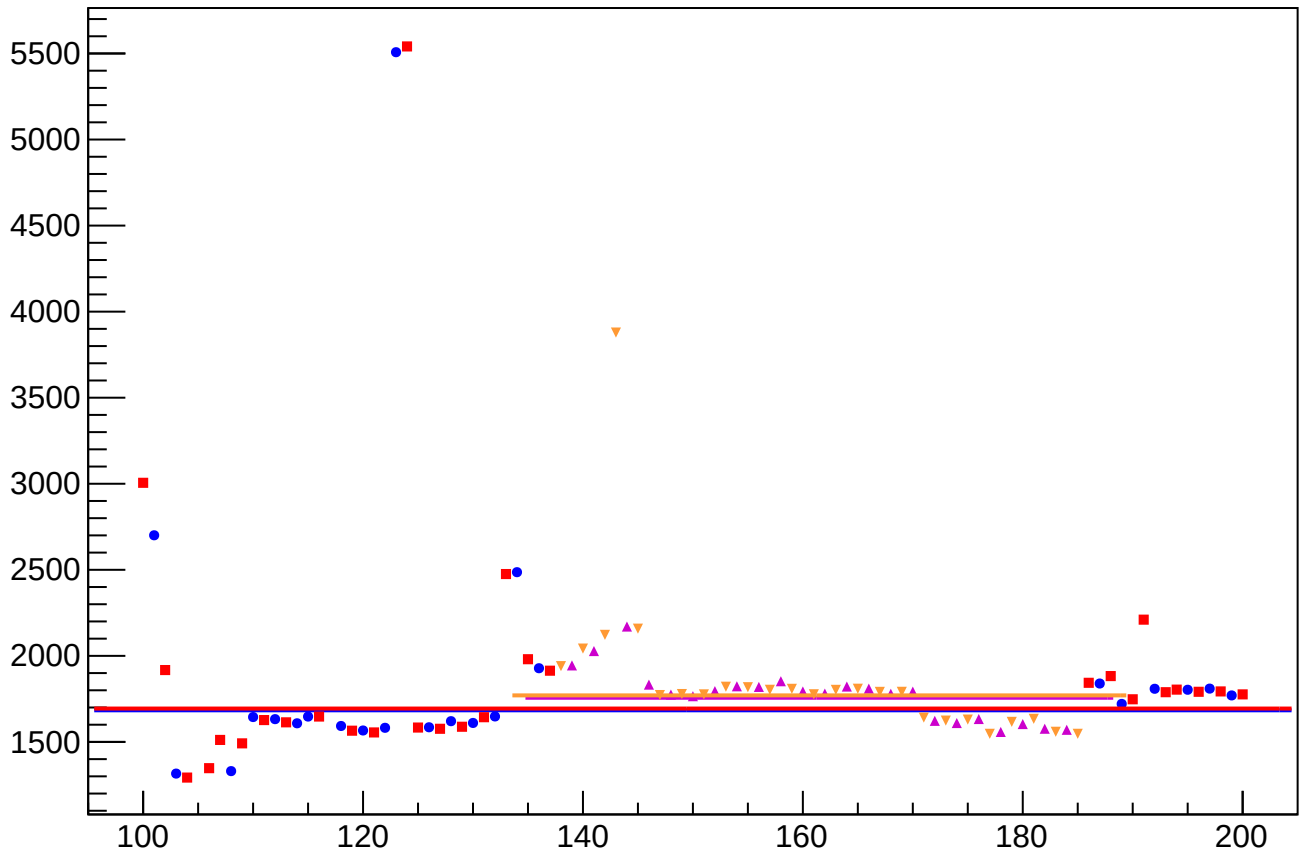
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 584.106 ± 326.346 χ^2/NDF : 39.2/47

All: 403.158 ± 227.499 χ^2/NDF : 90.2/98

- sign 232.094 ± 317.308 χ^2/NDF : 50.4/50

reg_asym_at2_dd_rms vs Slug



Right In: 1683.717 $\pm$ 0.372 χ^2 /NDF: 450933.5/22

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

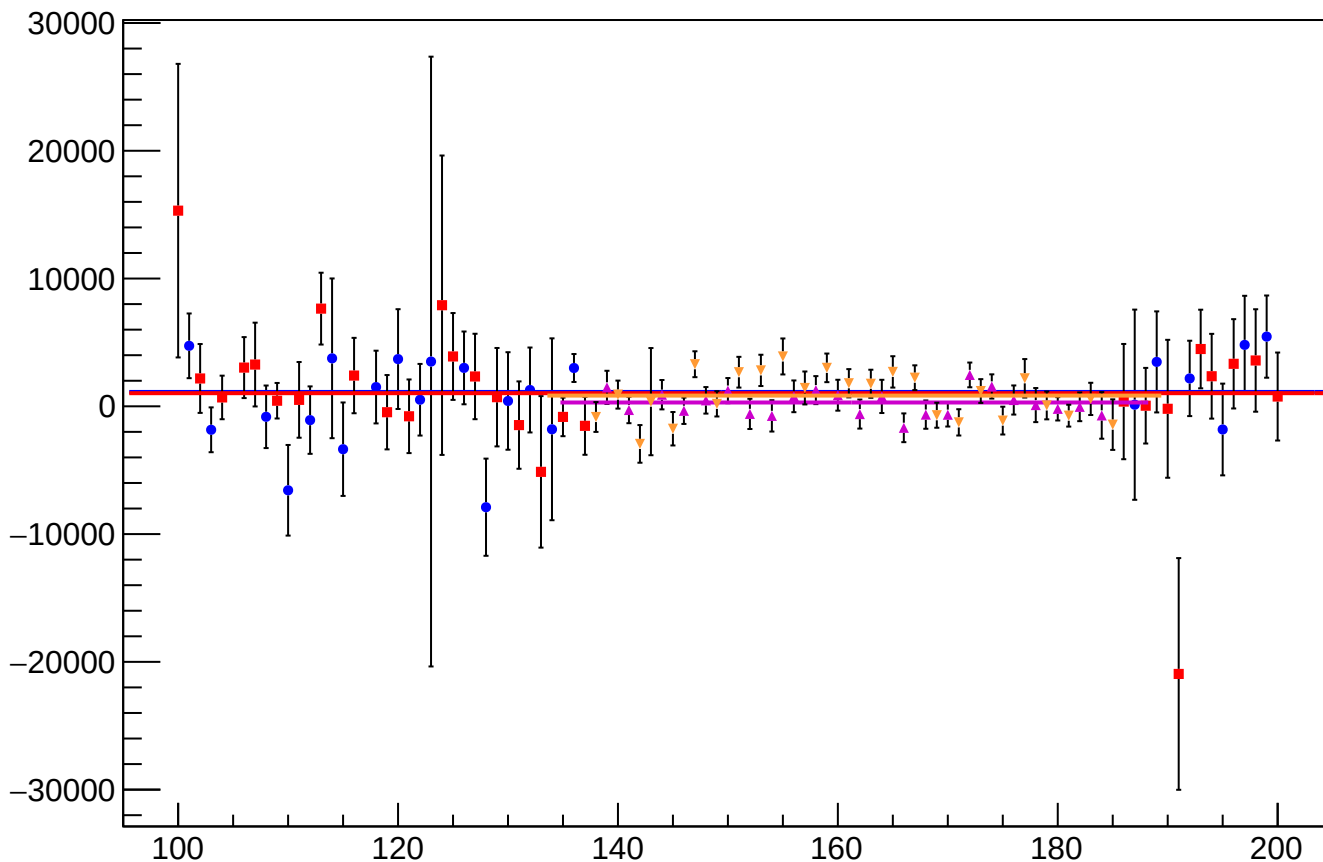
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1736.957 $\pm$ 0.231 χ^2 /NDF: 1183890.2/47

All: 1733.055 $\pm$ 0.161 χ^2 /NDF: 1959804.3/98

- sign 1729.367 $\pm$ 0.224 χ^2 /NDF: 775358.0/50

asym_at2_dd_correction_mean vs Slug



Right In: 1124.335 $\pm$ 583.571 χ^2 /NDF: 26.2/22

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

Right Out: 1027.683 $\pm$ 534.295 χ^2 /NDF: 23.5/27

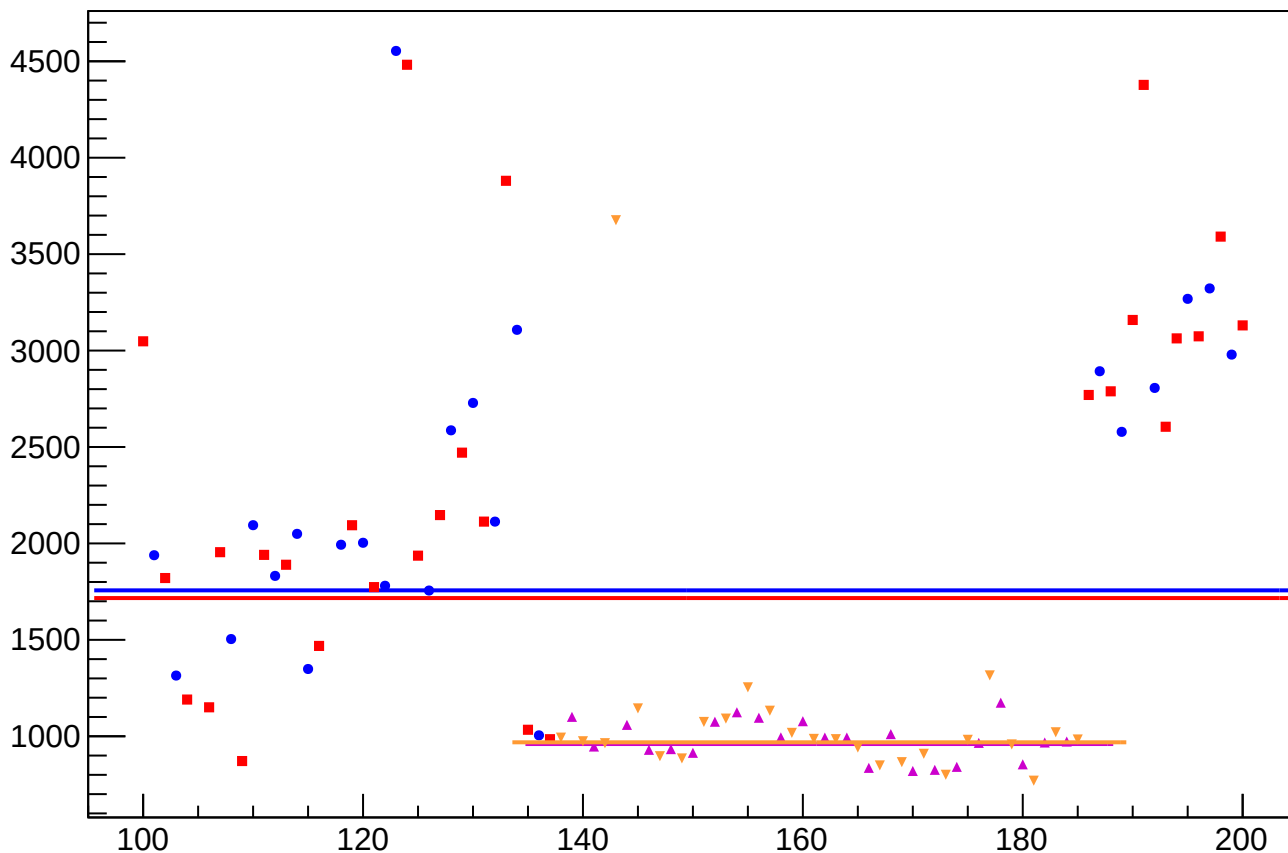
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 877.795 $\pm$ 214.355 χ^2 /NDF: 80.8/47

All: 643.670 $\pm$ 150.855 χ^2 /NDF: 126.6/98

- sign 413.924 $\pm$ 212.341 χ^2 /NDF: 43.4/50

asym_at2_dd_correction_rms vs Slug



Right In: 1756.610 $\pm$ 0.413 χ^2 /NDF: 2884588.2/22

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

Right Out: 1716.631 $\pm$ 0.378 χ^2 /NDF: 4550089.1/27

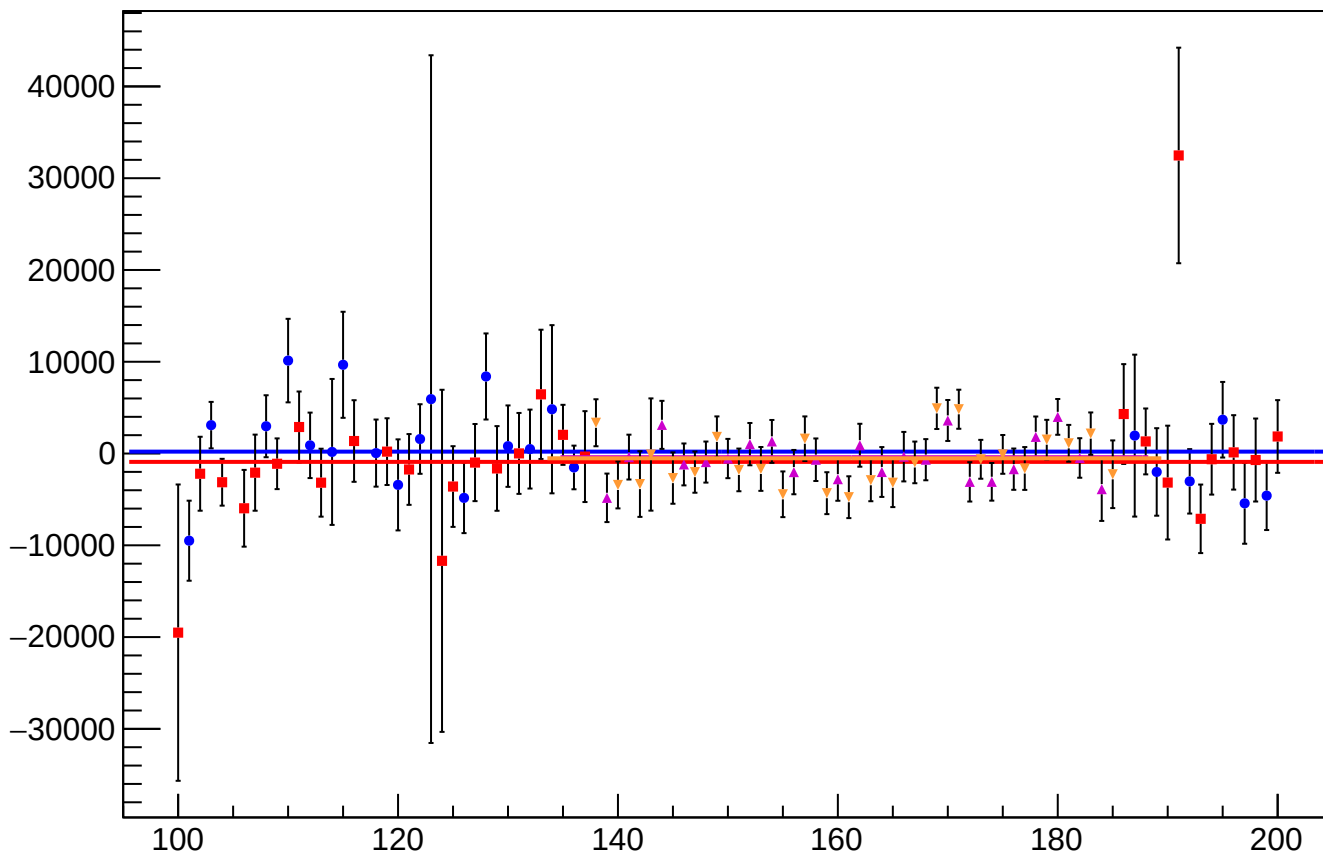
Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

+ sign 1075.016 $\pm$ 0.152 χ^2 /NDF: 7432119.8/47

All: 1077.199 $\pm$ 0.107 χ^2 /NDF: 15732927.6/95

- sign 1079.341 $\pm$ 0.150 χ^2 /NDF: 8300396.7/50

asym_at2_dd_mean vs Slug



Right In: 207.483+/-850.833 χ^2/NDF : 25.8/22

Left Out: -517.719+/-481.486 χ^2/NDF :34.0/24

Right Out: -909.713+/-785.587 χ^2/NDF : 21.0/27

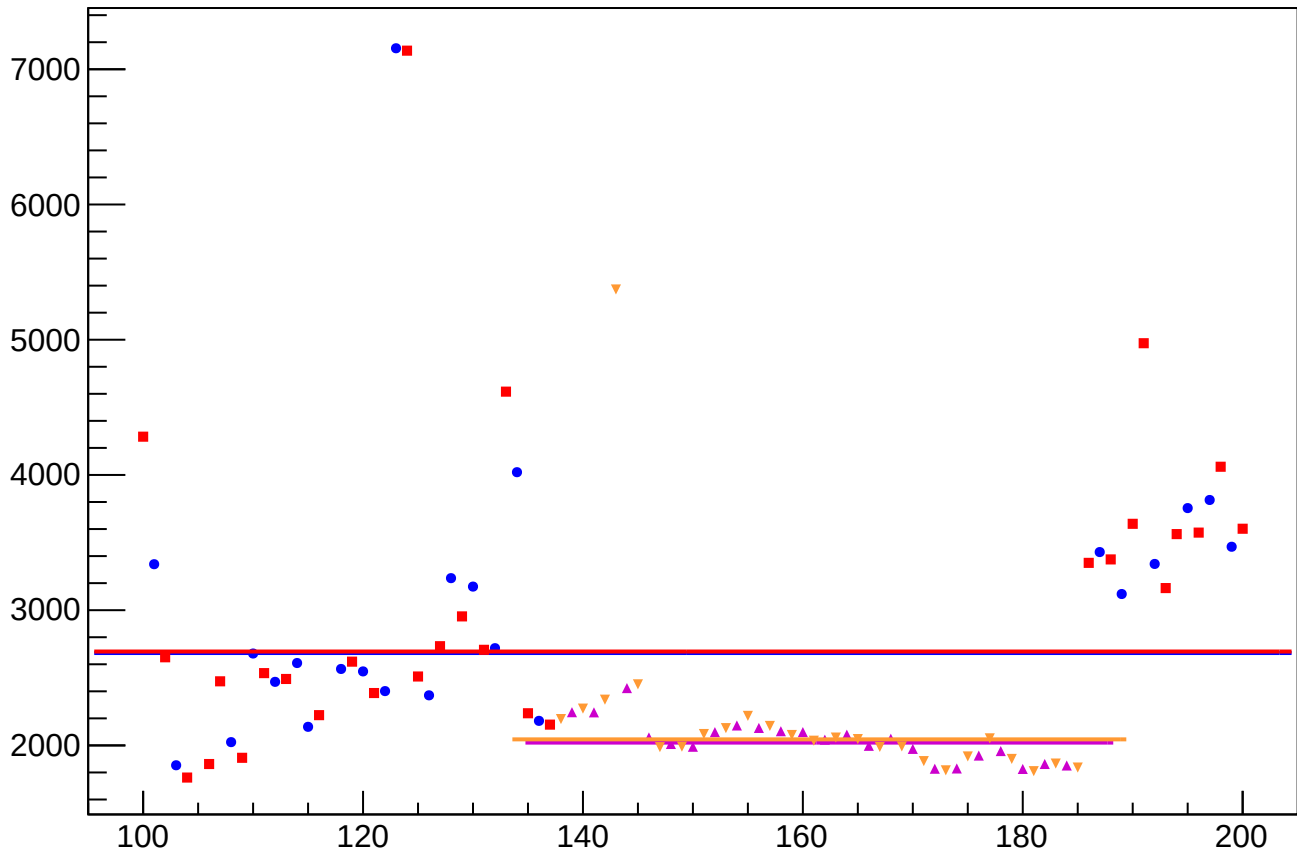
Left In: -397.398+/-485.048 χ^2/NDF :21.8/22

+ sign -341.812+/-419.041 χ^2/NDF : 60.3/47

All: -441.803+/-294.046 χ^2/NDF : 103.6/98

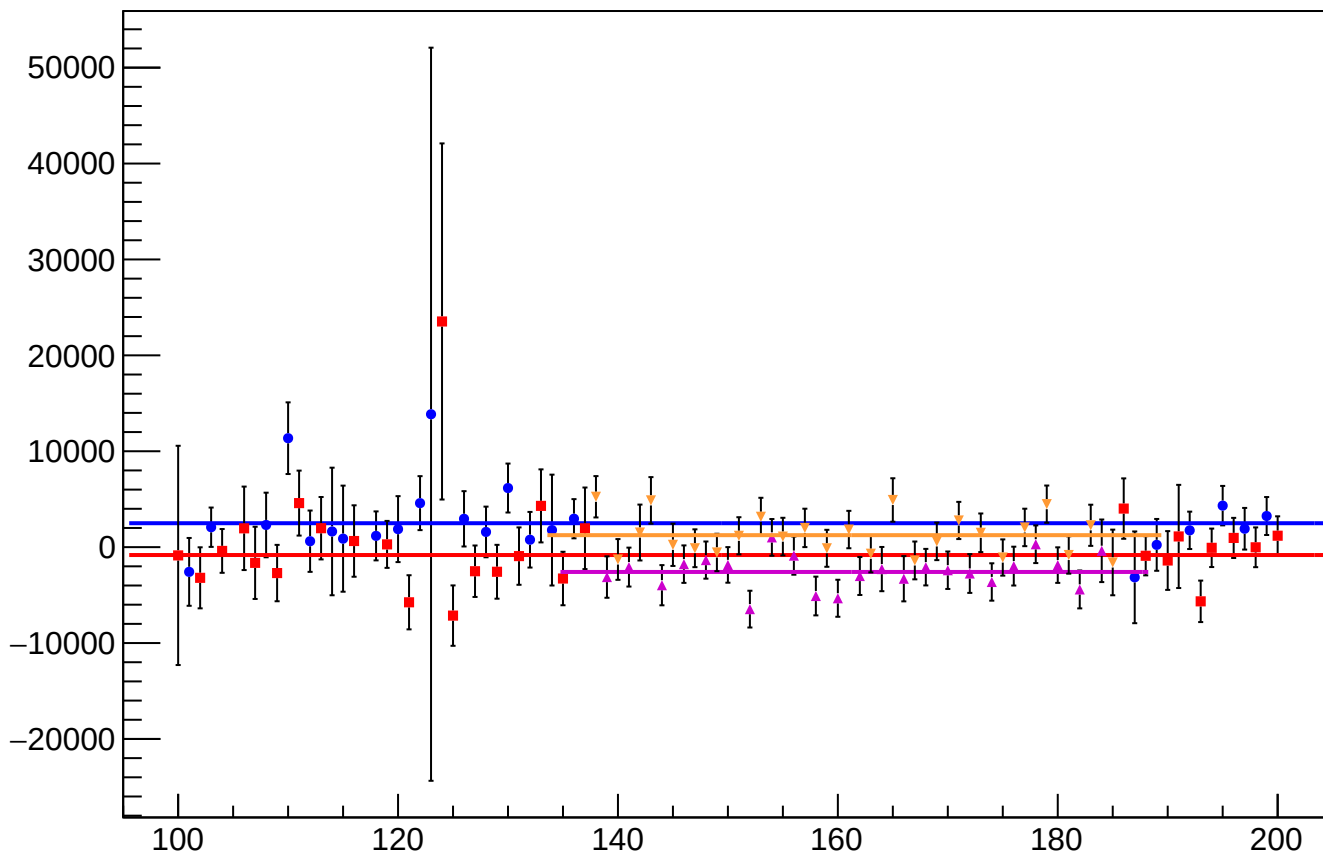
- sign -538.799+/-412.717 χ^2/NDF : 43.1/50

asym_at2_dd_rms vs Slug



Right In: 2683.191 $\pm$ 0.602	χ^2 /NDF: 1059126.9/22	+ sign 2199.592 $\pm$ 0.296	χ^2 /NDF: 2700868.2/47
Left Out: 2044.722 $\pm$ 0.340	χ^2 /NDF: 788703.5/24	All: 2203.204 $\pm$ 0.208	χ^2 /NDF: 5591161.0/98
Right Out: 2694.365 $\pm$ 0.555	χ^2 /NDF: 1652022.0/27	- sign 2206.709 $\pm$ 0.292	χ^2 /NDF: 2890000.0/50
Left In: 2020.802 $\pm$ 0.343	χ^2 /NDF: 173502.0/22		

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2495.557 ± 582.377 χ^2/NDF : 15.0/22

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

Right Out: -821.407 ± 537.062 χ^2/NDF : 27.2/27

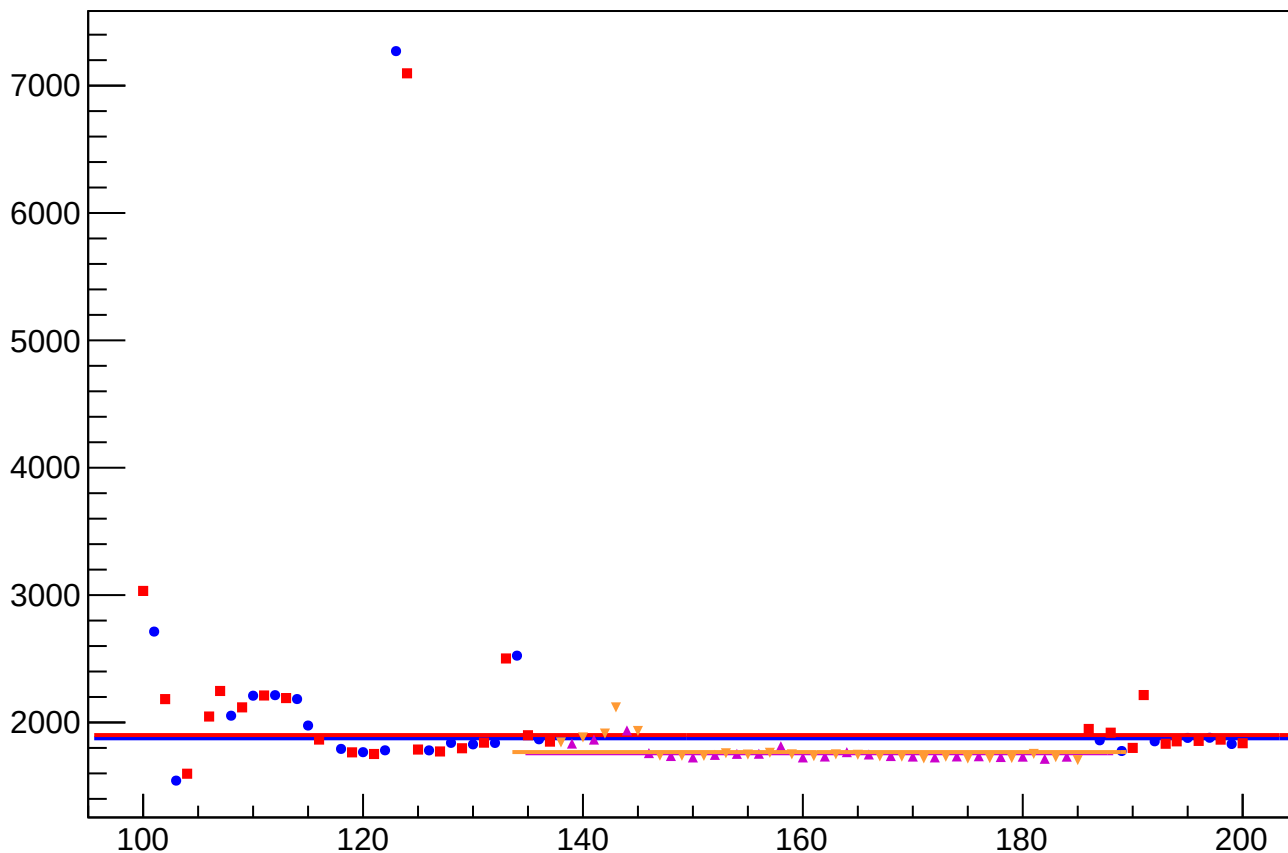
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1666.049 ± 336.607 χ^2/NDF : 41.0/47

All: -150.876 ± 236.220 χ^2/NDF : 149.8/98

- sign -1913.950 ± 331.581 χ^2/NDF : 51.4/50

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1875.558+/-0.412 χ^2/NDF : 292811.2/22

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1900.923+/-0.379 χ^2/NDF : 379551.6/27

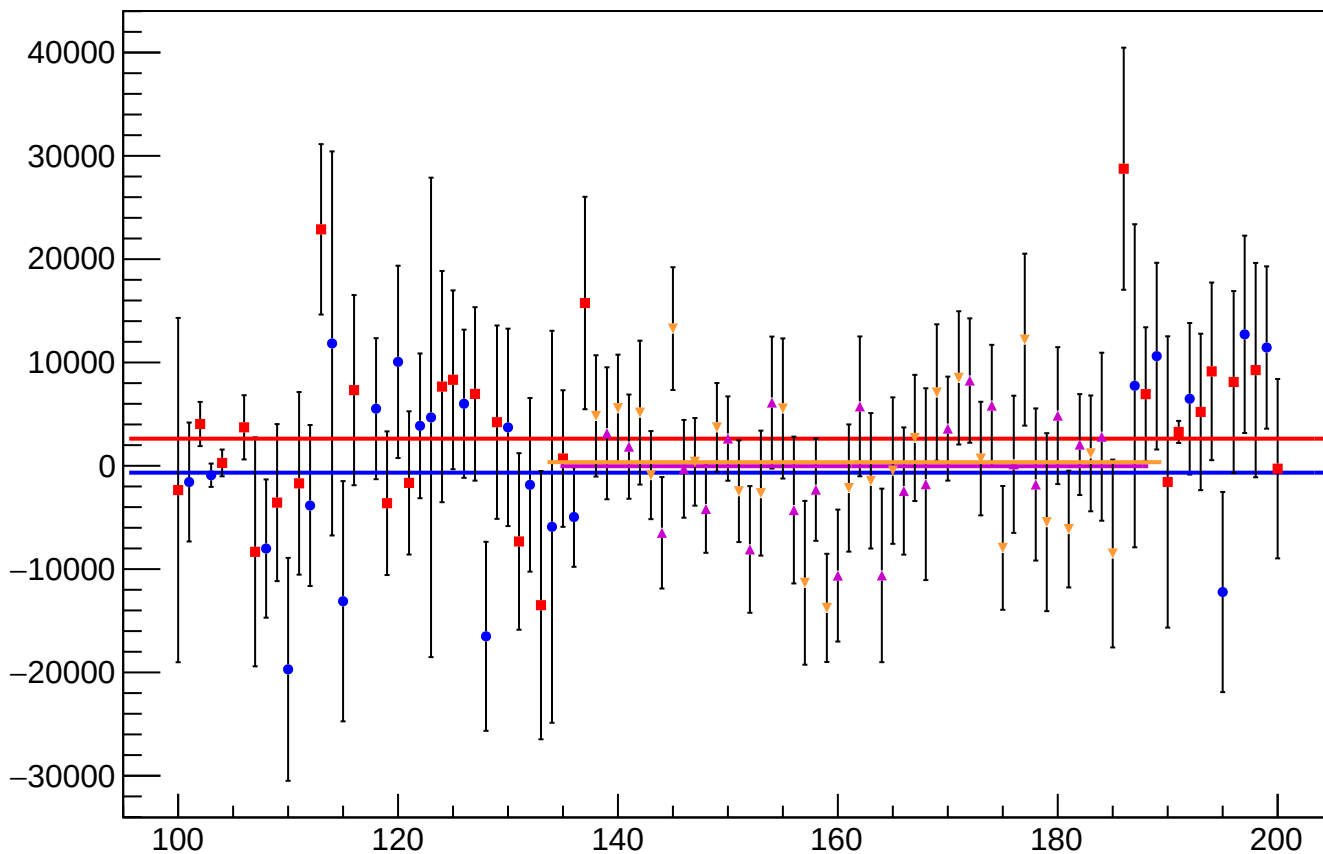
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1803.610+/-0.238 χ^2/NDF : 416324.6/47

All: 1808.165+/-0.167 χ^2/NDF : 914049.1/98

- sign 1812.582+/-0.234 χ^2/NDF : 497003.1/50

asym_atl1r2_avg_correction_mean vs Slug



Right In: -664.979 ± 952.204 χ^2/NDF : 22.3/22

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2625.918 ± 689.605 χ^2/NDF : 26.3/27

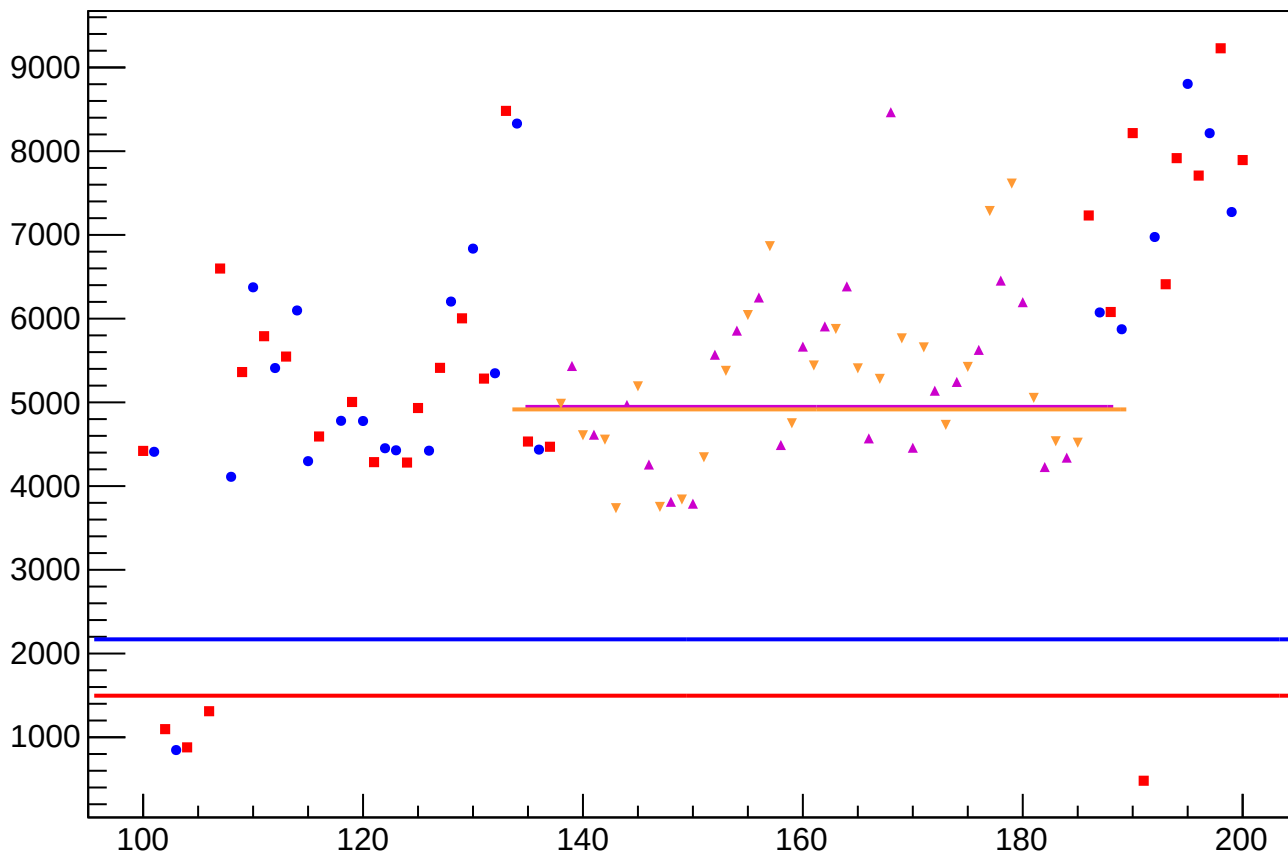
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -260.101 ± 738.544 χ^2/NDF : 50.6/47

All: 1085.474 ± 465.141 χ^2/NDF : 102.1/98

- sign 1970.099 ± 598.828 χ^2/NDF : 46.0/50

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2169.583 $\pm$ 0.673 χ^2 /NDF: 10607346.7/22

Left Out: 4915.865 $\pm$ 0.827 χ^2 /NDF:1186479.7/24

Right Out: 1496.566 $\pm$ 0.488 χ^2 /NDF: 15338076.1/27

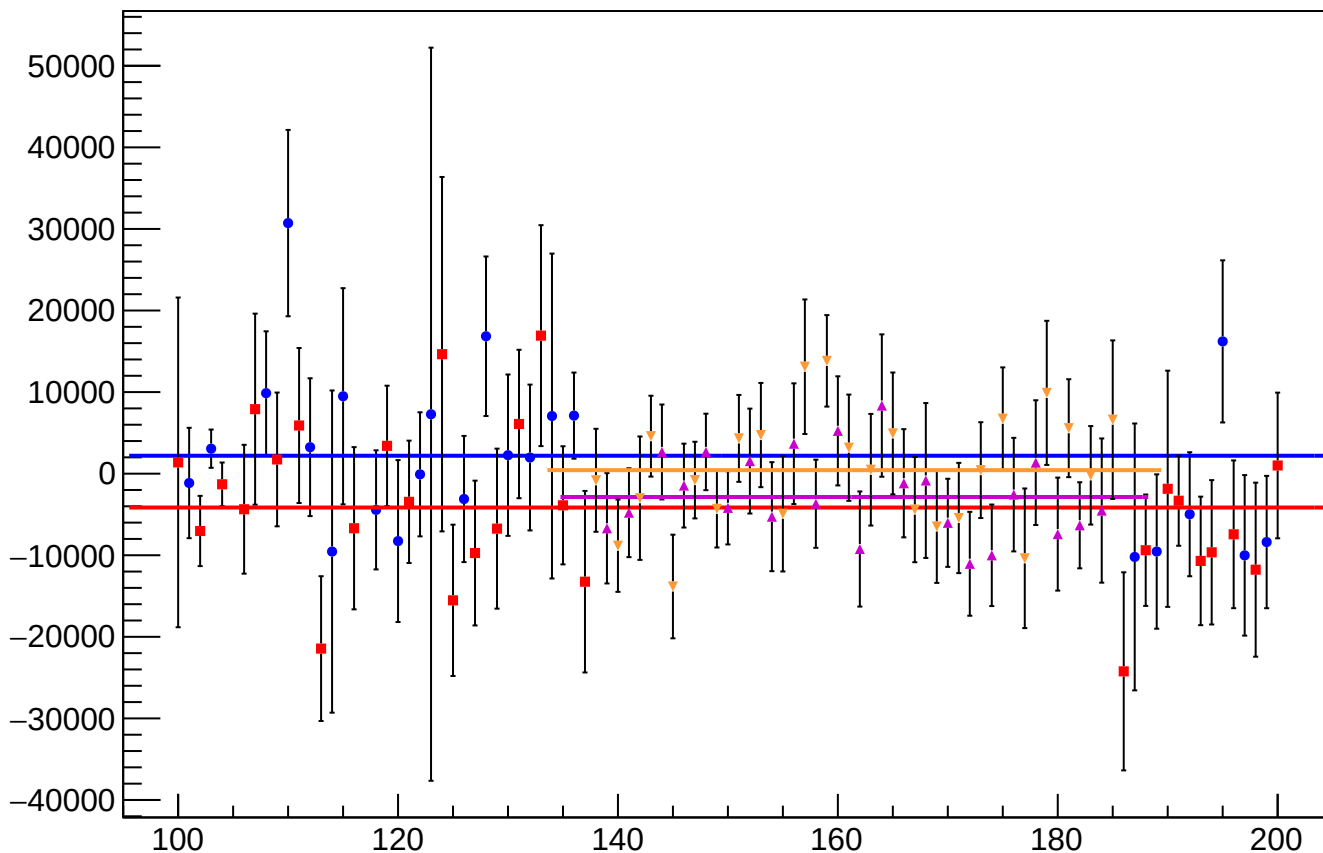
Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

+ sign 3263.761 $\pm$ 0.522 χ^2 /NDF: 18422134.8/47

All: 2709.367 $\pm$ 0.329 χ^2 /NDF: 49122332.5/50

- sign 2344.889 $\pm$ 0.423 χ^2 /NDF: 28832309.8/50

asym_atl1r2_avg_mean vs Slug



Right In: 2197.571 $\pm$ 1484.119 χ^2 /NDF: 22.2/22

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

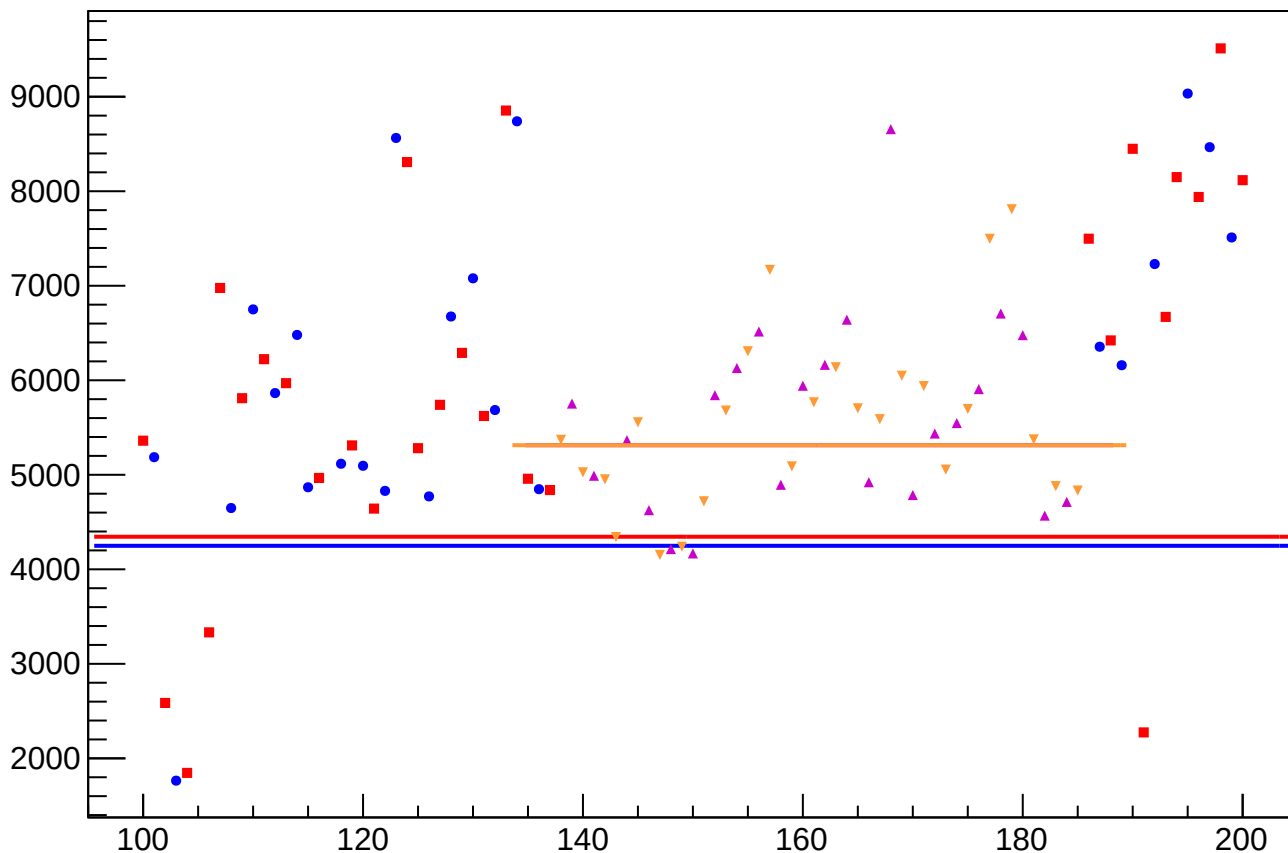
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1169.700 $\pm$ 959.757 χ^2 /NDF: 50.2/47

All: -1172.896 $\pm$ 674.298 χ^2 /NDF: 97.1/98

- sign -3456.345 $\pm$ 947.564 χ^2 /NDF: 35.1/50

asym_atl1r2_avg_rms vs Slug



Right In: 4248.774+/-1.049 χ^2/NDF : 4613473.9/22

Left Out: 5313.008+/-0.890 χ^2/NDF :894369.8/24

Right Out: 4344.644+/-0.980 χ^2/NDF : 5434695.5/27

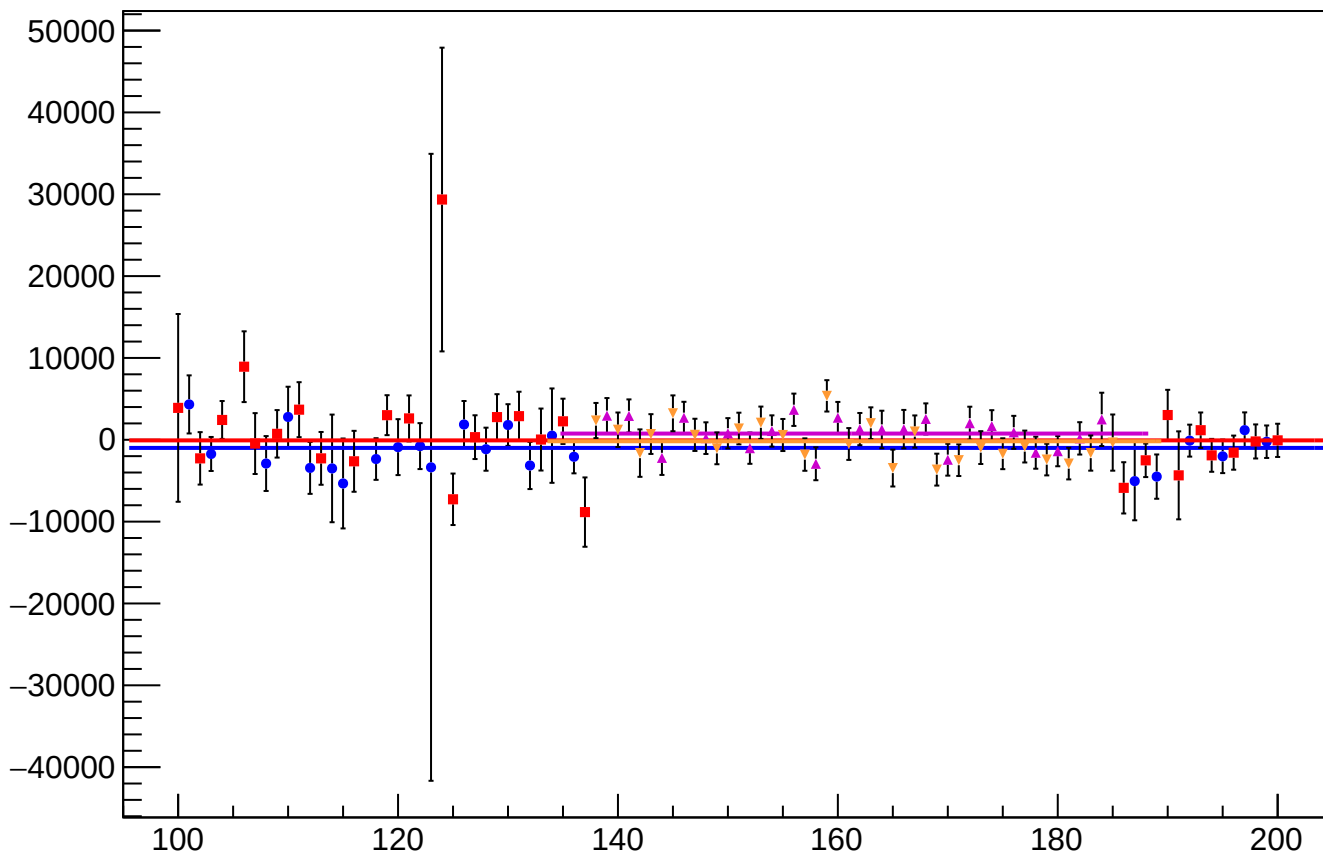
Left In: 5312.861+/-0.914 χ^2/NDF :957400.7/22

+ sign 4867.944+/-0.679 χ^2/NDF : 6106172.4/47

All: 4865.309+/-0.476 χ^2/NDF : 13020183.5/50

- sign 4862.752+/-0.668 χ^2/NDF : 6913981.4/50

reg_asym_atl1r2_dd_mean vs Slug



Right In: -992.530 ± 581.342 χ^2/NDF : 12.5/22

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

Right Out: -72.765 ± 536.566 χ^2/NDF : 33.8/27

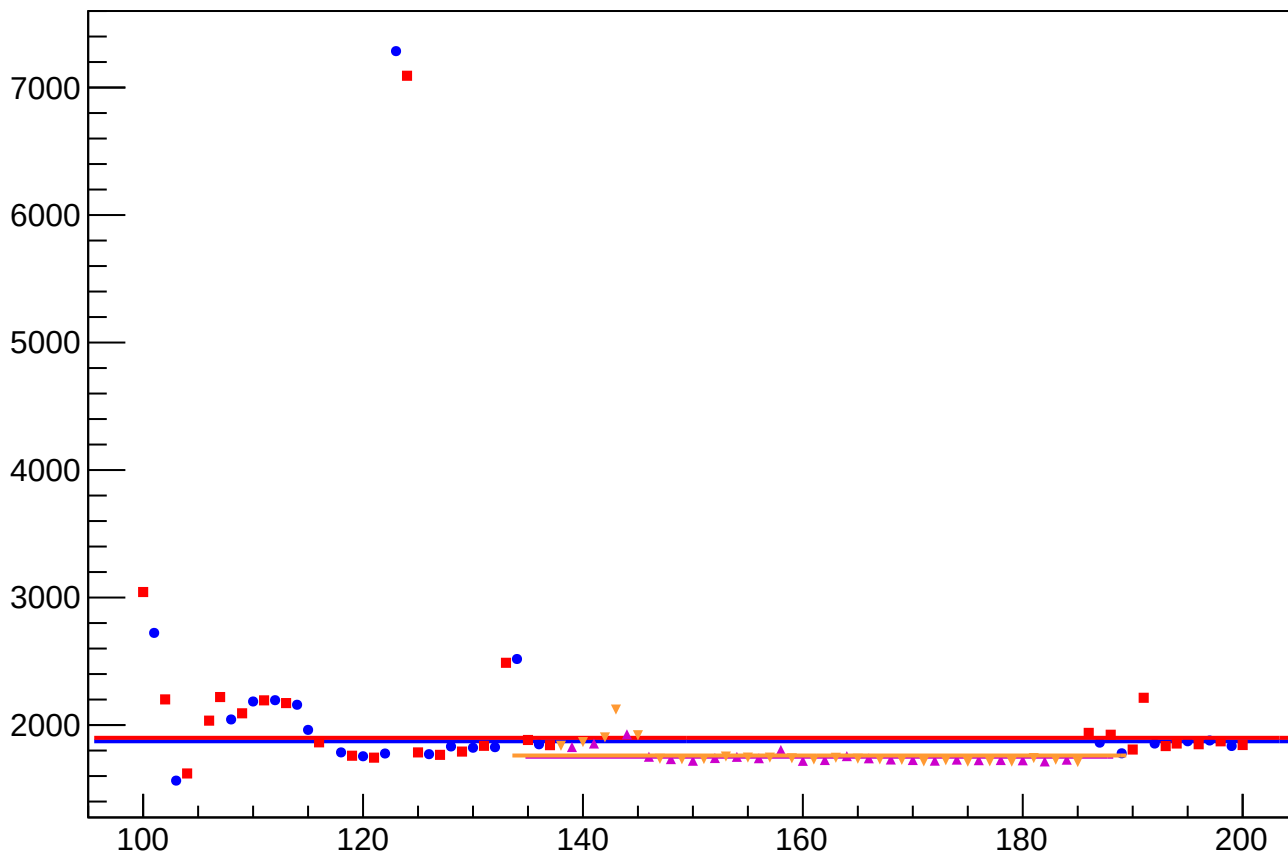
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -450.623 ± 335.586 χ^2/NDF : 43.1/47

All: 3.044 ± 235.542 χ^2/NDF : 102.3/98

- sign 443.549 ± 330.682 χ^2/NDF : 55.6/50

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1872.666+/-0.411 χ^2/NDF : 283230.0/22

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

Right Out: 1899.898+/-0.379 χ^2/NDF : 366870.5/27

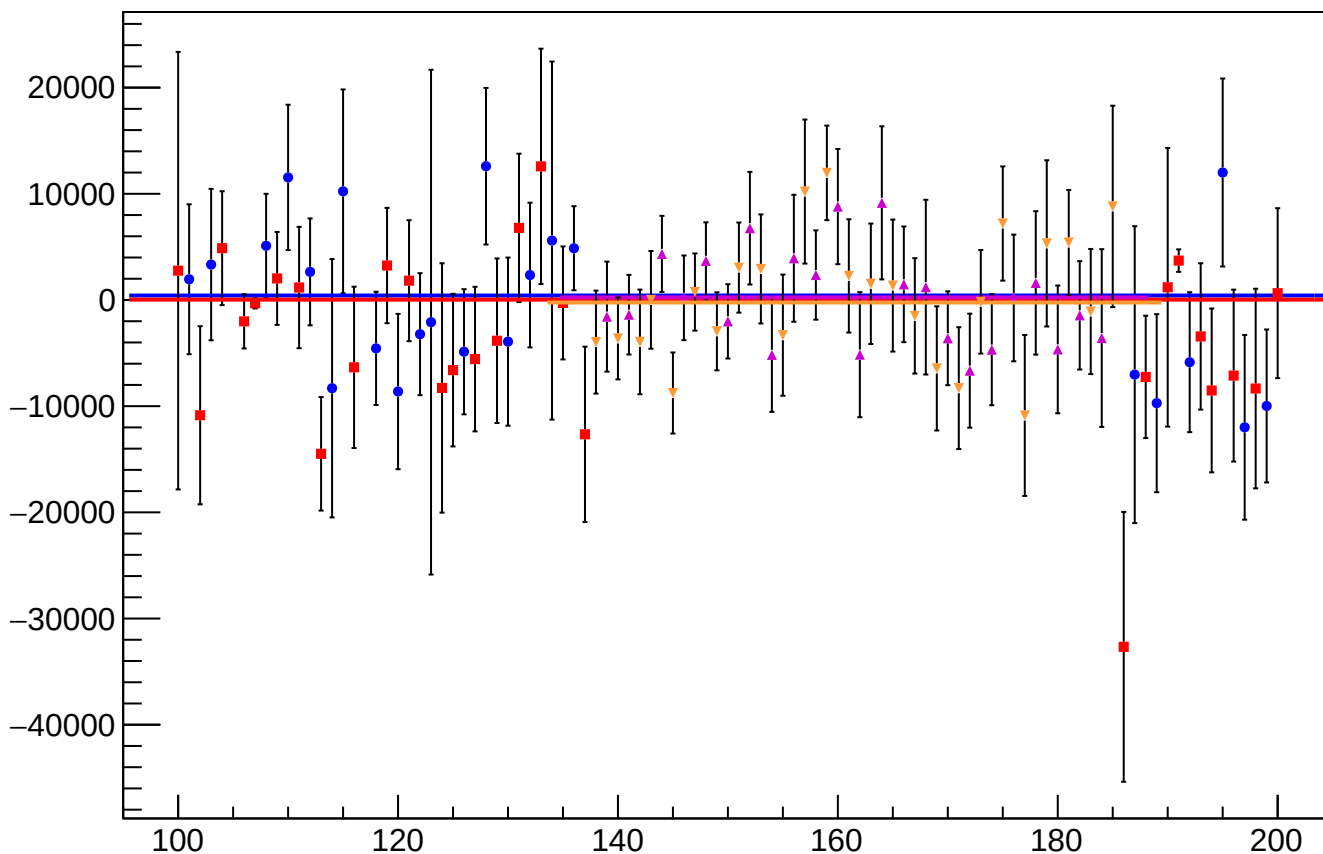
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1798.271+/-0.237 χ^2/NDF : 409821.1/47

All: 1803.143+/-0.167 χ^2/NDF : 901180.1/98

- sign 1807.871+/-0.234 χ^2/NDF : 490528.4/50

asym_atl1r2_dd_correction_mean vs Slug



Right In: 420.434 $\pm$ 1435.132 χ^2 /NDF: 22.1/22

Left Out: -235.806 $\pm$ 1005.144 χ^2 /NDF:28.9/24

Right Out: 33.919 $\pm$ 412.771 χ^2 /NDF: 42.6/27

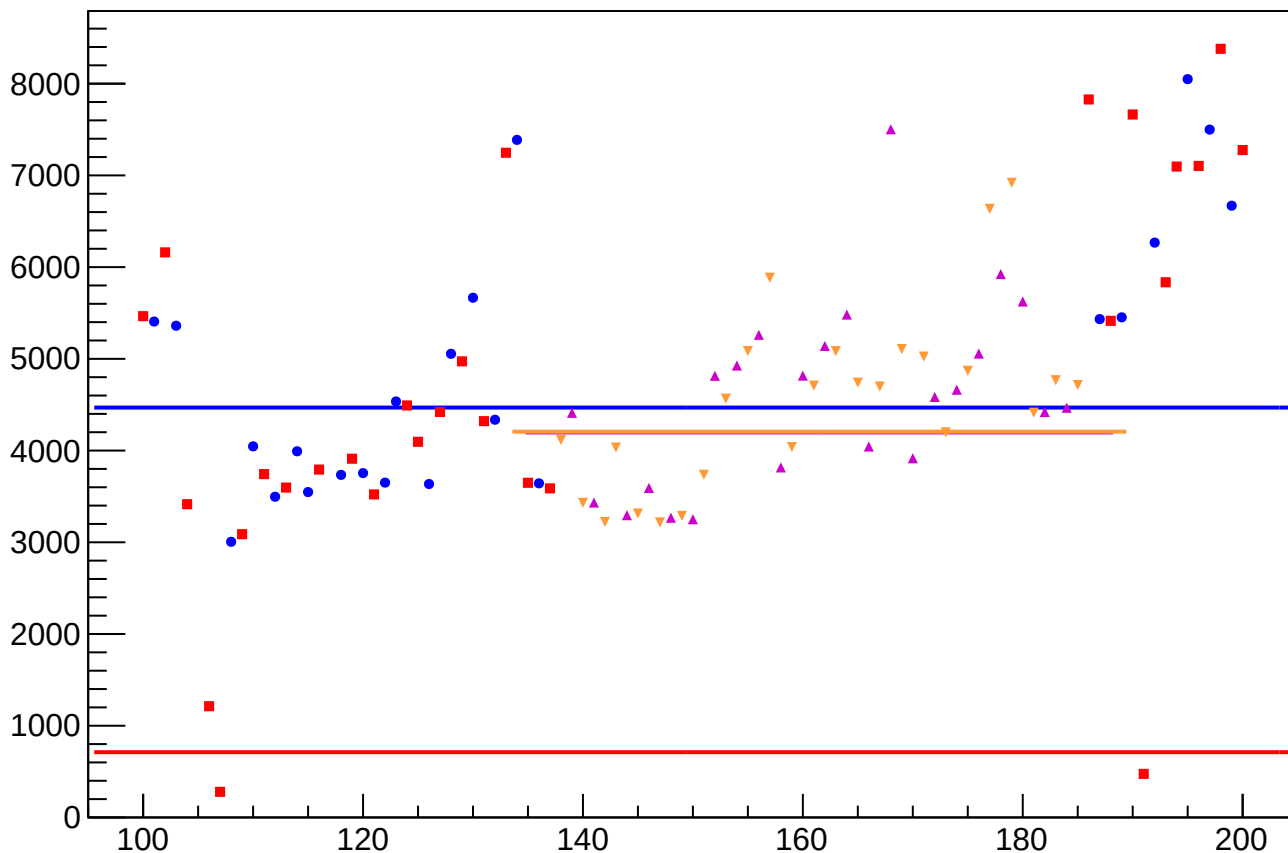
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF:15.3/22

+ sign -19.836 $\pm$ 823.297 χ^2 /NDF: 51.1/47

All: 47.748 $\pm$ 347.331 χ^2 /NDF: 109.1/98

- sign 62.382 $\pm$ 383.092 χ^2 /NDF: 58.0/50

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4468.738 $\pm$ 1.015 χ^2 /NDF: 1635790.2/22

Left Out: 4206.076 $\pm$ 0.711 χ^2 /NDF:1442269.3/24

Right Out: 711.248 $\pm$ 0.292 χ^2 /NDF: 19345027.4/27

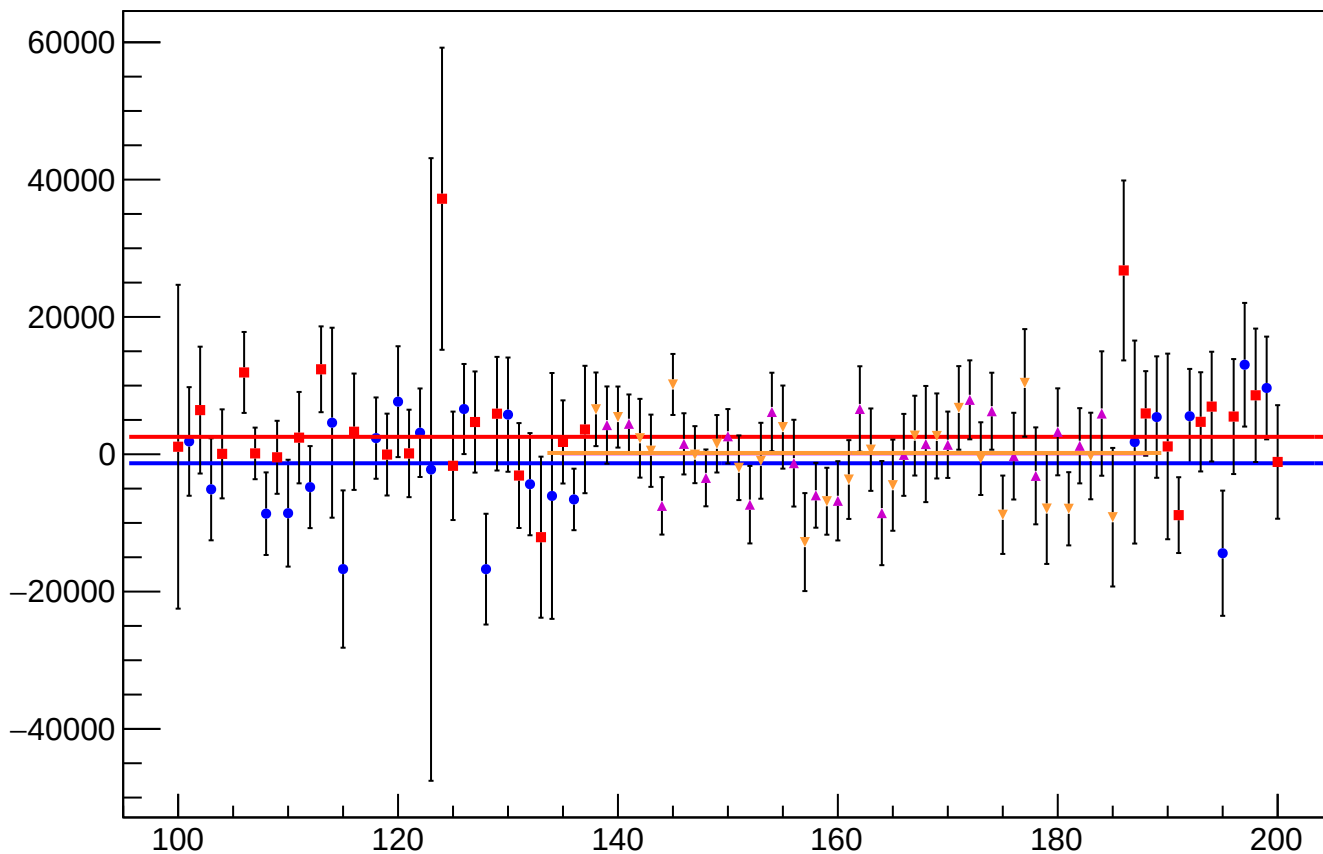
Left In: 4197.267 $\pm$ 0.728 χ^2 /NDF:1471012.9/22

+ sign 4292.519 $\pm$ 0.582 χ^2 /NDF: 3123006.2/47

All: 1745.916 $\pm$ 0.246 χ^2 /NDF: 66993960.3/50

- sign 1194.533 $\pm$ 0.271 χ^2 /NDF: 40592321.9/50

asym_atl1r2_dd_mean vs Slug



Right In: -1309.969 ± 1596.546 χ^2/NDF : 23.0/22

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

Right Out: 2537.643 ± 1352.853 χ^2/NDF : 20.7/27

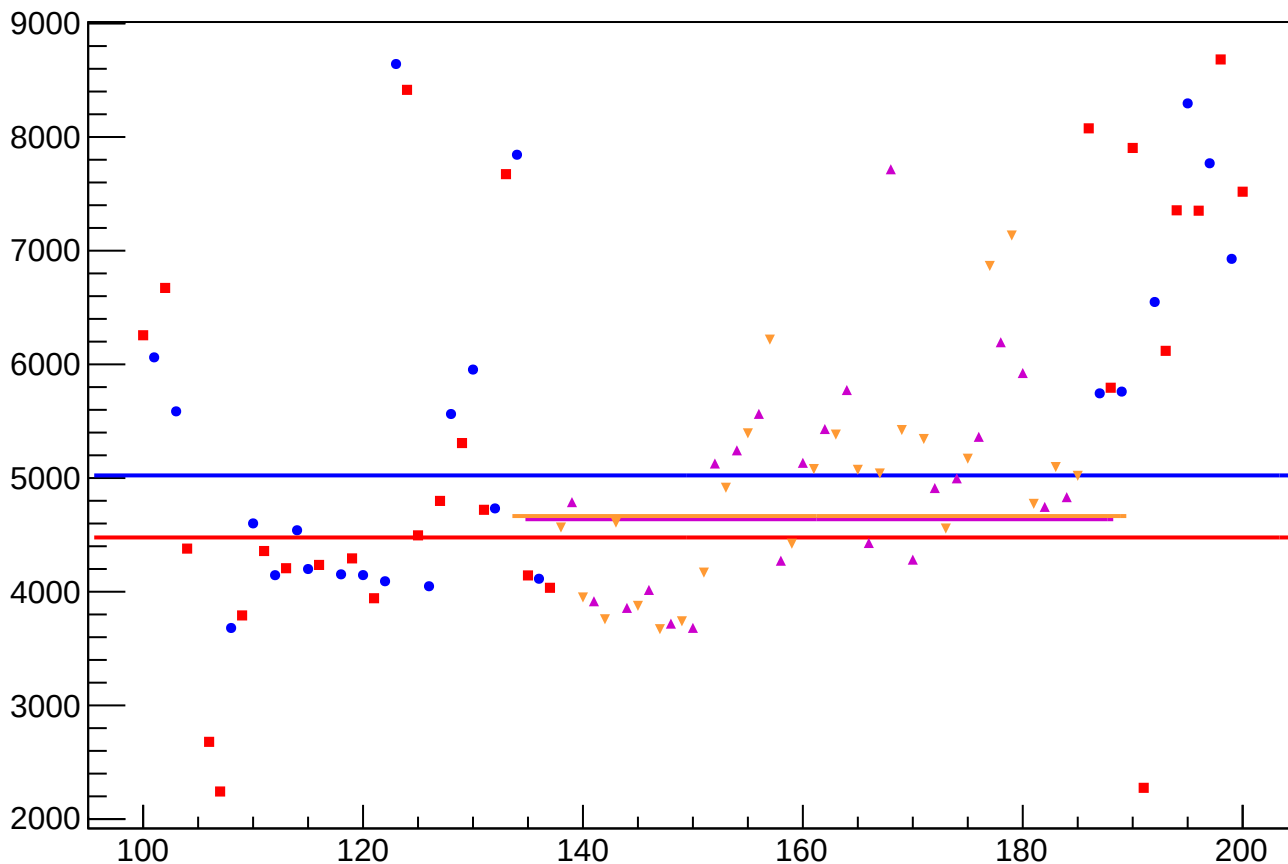
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -297.100 ± 909.631 χ^2/NDF : 48.6/47

All: 447.179 ± 627.632 χ^2/NDF : 91.0/98

- sign 1123.497 ± 867.107 χ^2/NDF : 41.1/50

asym_atl1r2_dd_rms vs Slug



Right In: 5023.108 ± 1.129 χ^2/NDF : 1232056.7/22

Left Out: 4665.620 ± 0.783 χ^2/NDF : 1017235.0/24

Right Out: 4477.309 ± 0.952 χ^2/NDF : 3288941.0/27

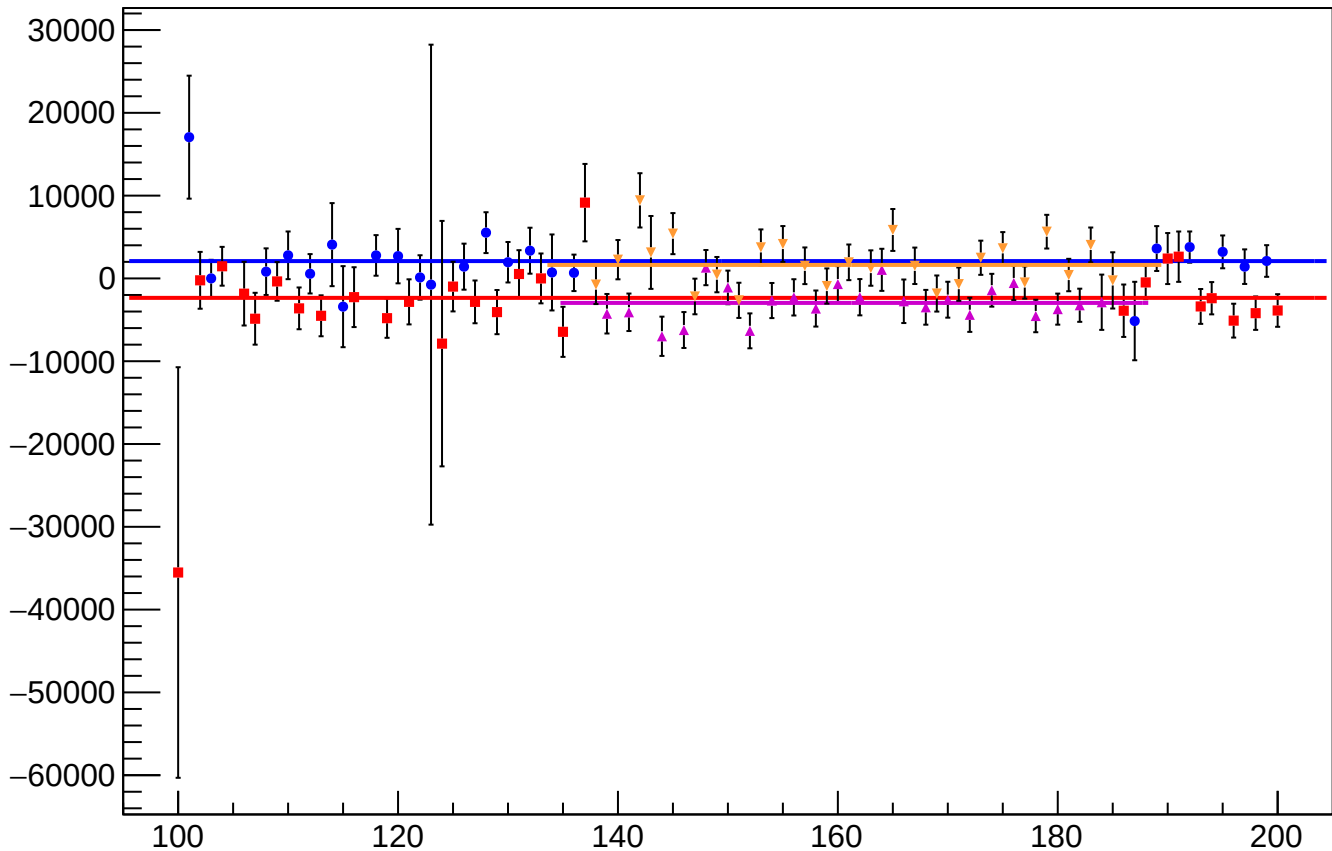
Left In: 4637.777 ± 0.799 χ^2/NDF : 1065217.2/22

+ sign 4781.666 ± 0.643 χ^2/NDF : 2317015.6/47

All: 4671.344 ± 0.443 χ^2/NDF : 6743892.1/98

- sign 4571.487 ± 0.612 χ^2/NDF : 4370829.9/50

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2093.387 ± 560.272 χ^2/NDF : 14.3/22

Left Out: 1630.035 ± 447.063 χ^2/NDF : 35.4/24

Right Out: -2348.794 ± 505.556 χ^2/NDF : 28.3/27

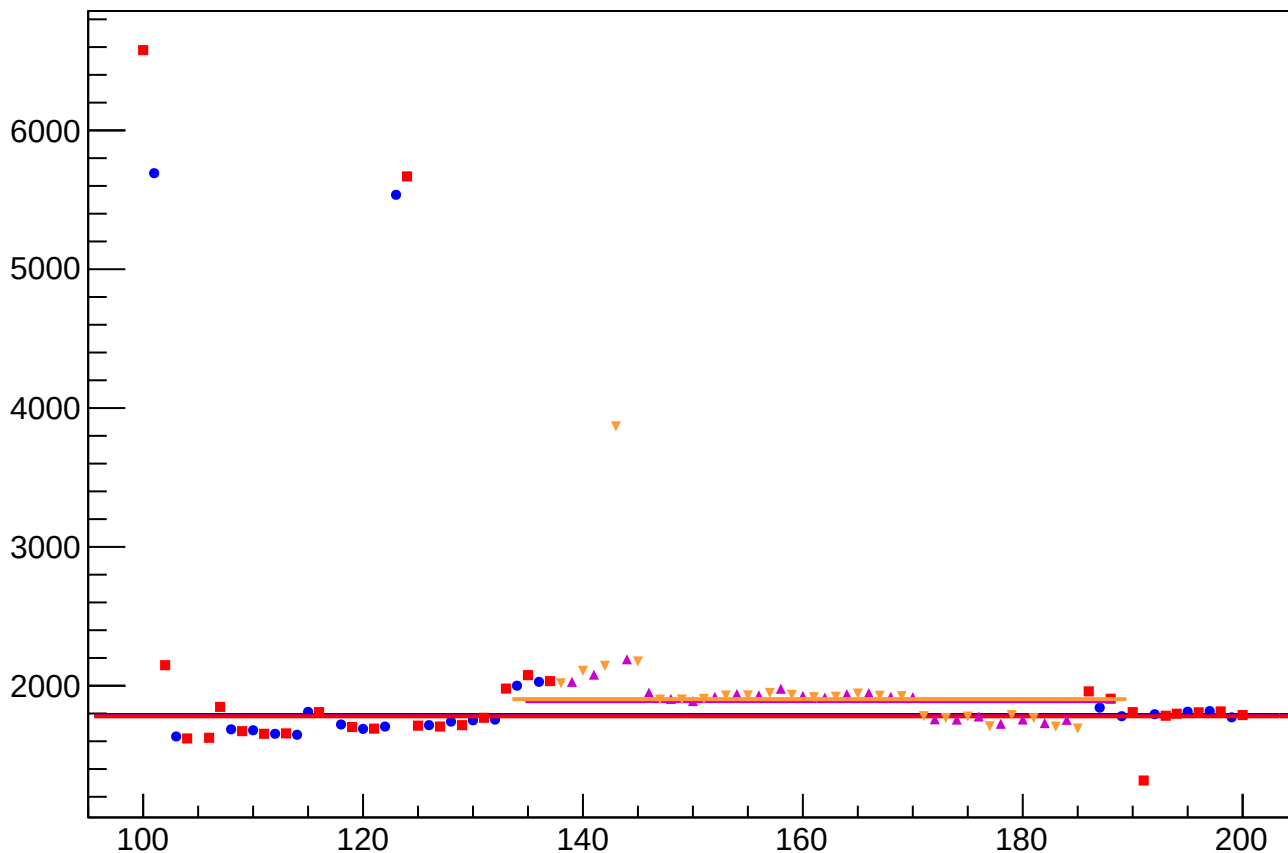
Left In: -2958.620 ± 453.688 χ^2/NDF : 20.4/22

+ sign 1810.287 ± 349.449 χ^2/NDF : 50.1/47

All: -515.286 ± 242.822 χ^2/NDF : 185.2/98

- sign -2686.585 ± 337.659 χ^2/NDF : 49.5/50

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1789.041 $\pm$ 0.396 χ^2 /NDF: 645851.5/22

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

Right Out: 1779.625 $\pm$ 0.356 χ^2 /NDF: 368597.6/27

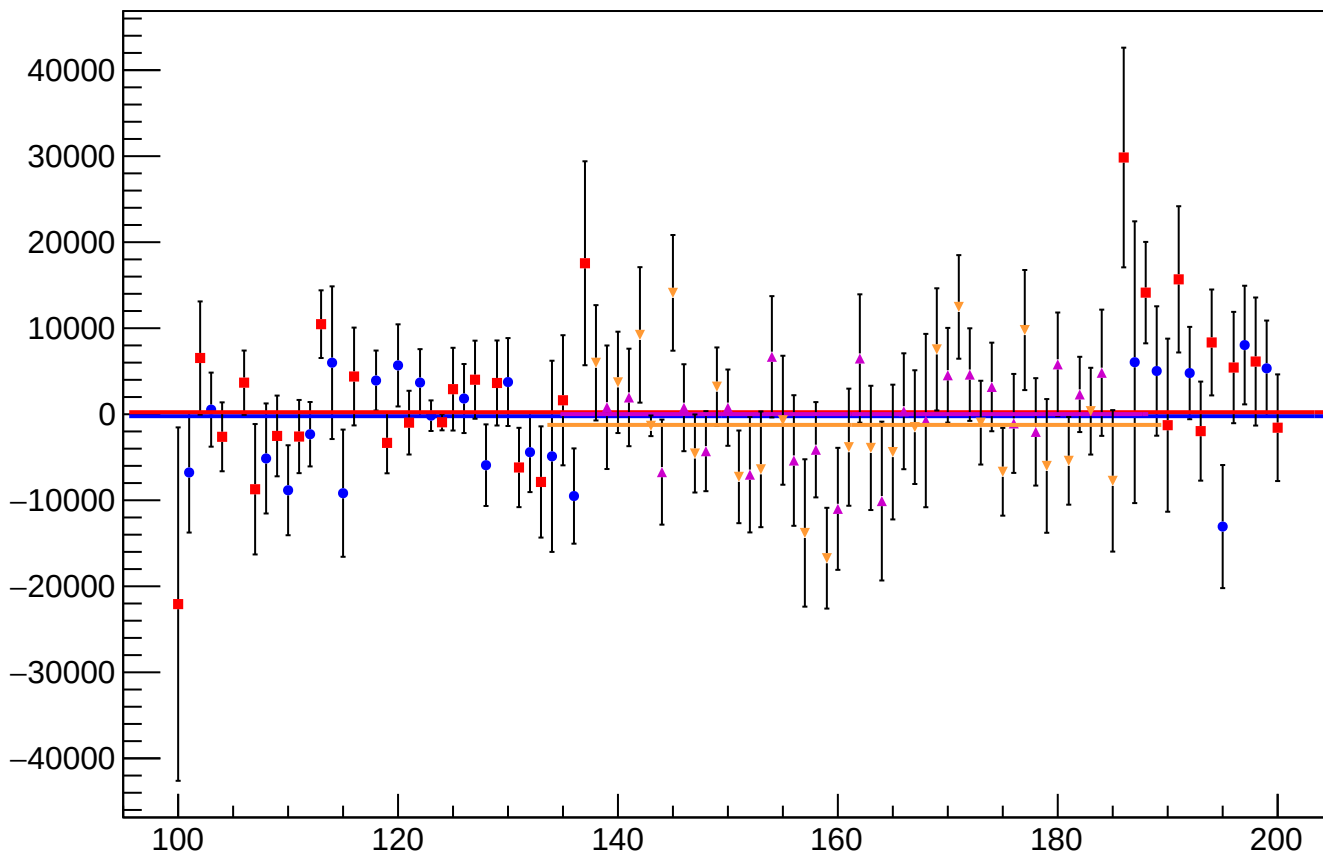
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1859.046 $\pm$ 0.247 χ^2 /NDF: 1238531.2/47

All: 1849.162 $\pm$ 0.172 χ^2 /NDF: 1788633.6/98

- sign 1839.966 $\pm$ 0.238 χ^2 /NDF: 547013.8/50

asym_atr1l2_avg_correction_mean vs Slug



Right In: -225.439 $\pm$ 950.219 χ^2 /NDF: 23.7/22

Left Out: -1239.833 $\pm$ 865.201 χ^2 /NDF: 33.9/24

Right Out: 237.728 $\pm$ 693.202 χ^2 /NDF: 40.3/27

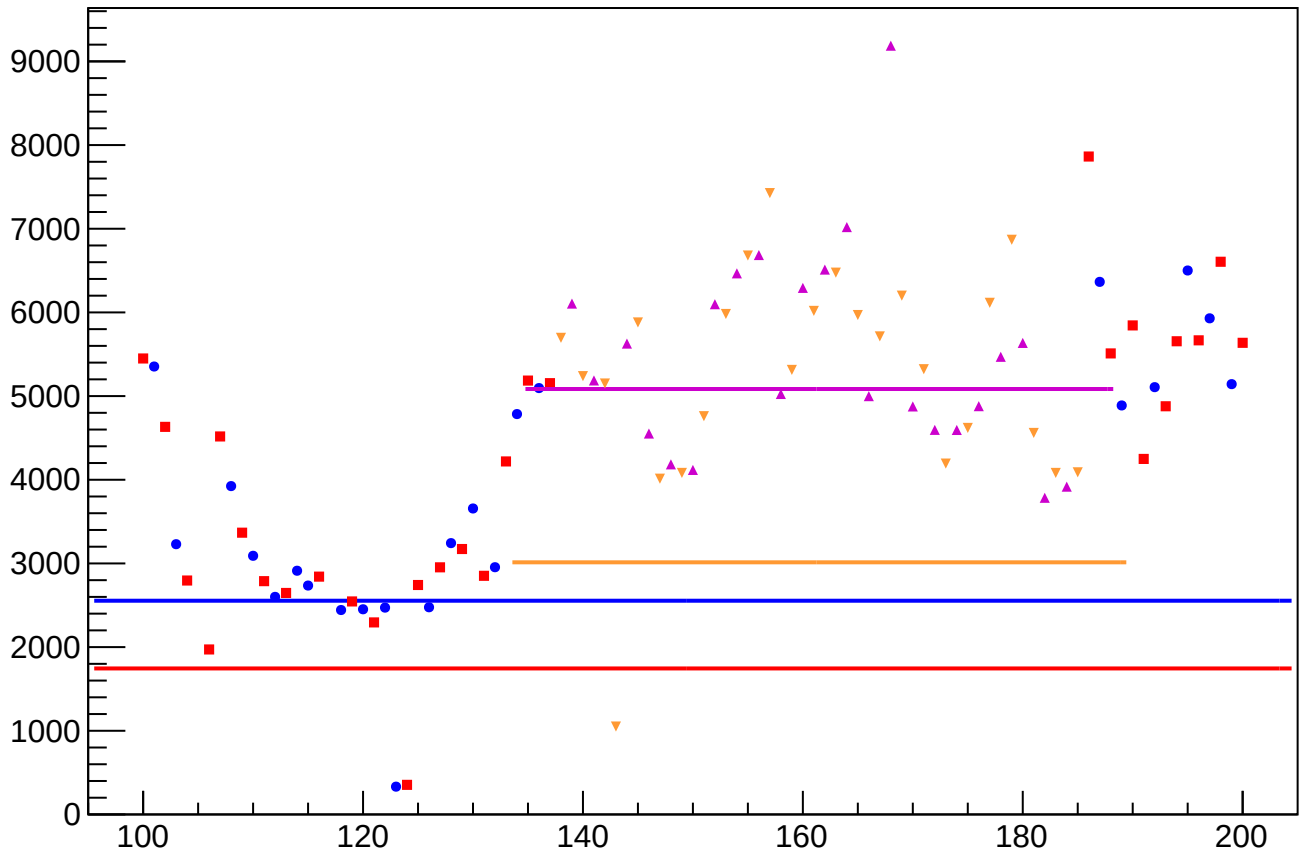
Left In: 15.863 $\pm$ 1243.317 χ^2 /NDF: 13.2/22

+ sign -780.037 $\pm$ 639.739 χ^2 /NDF: 58.2/47

All: -270.908 $\pm$ 439.743 χ^2 /NDF: 113.0/98

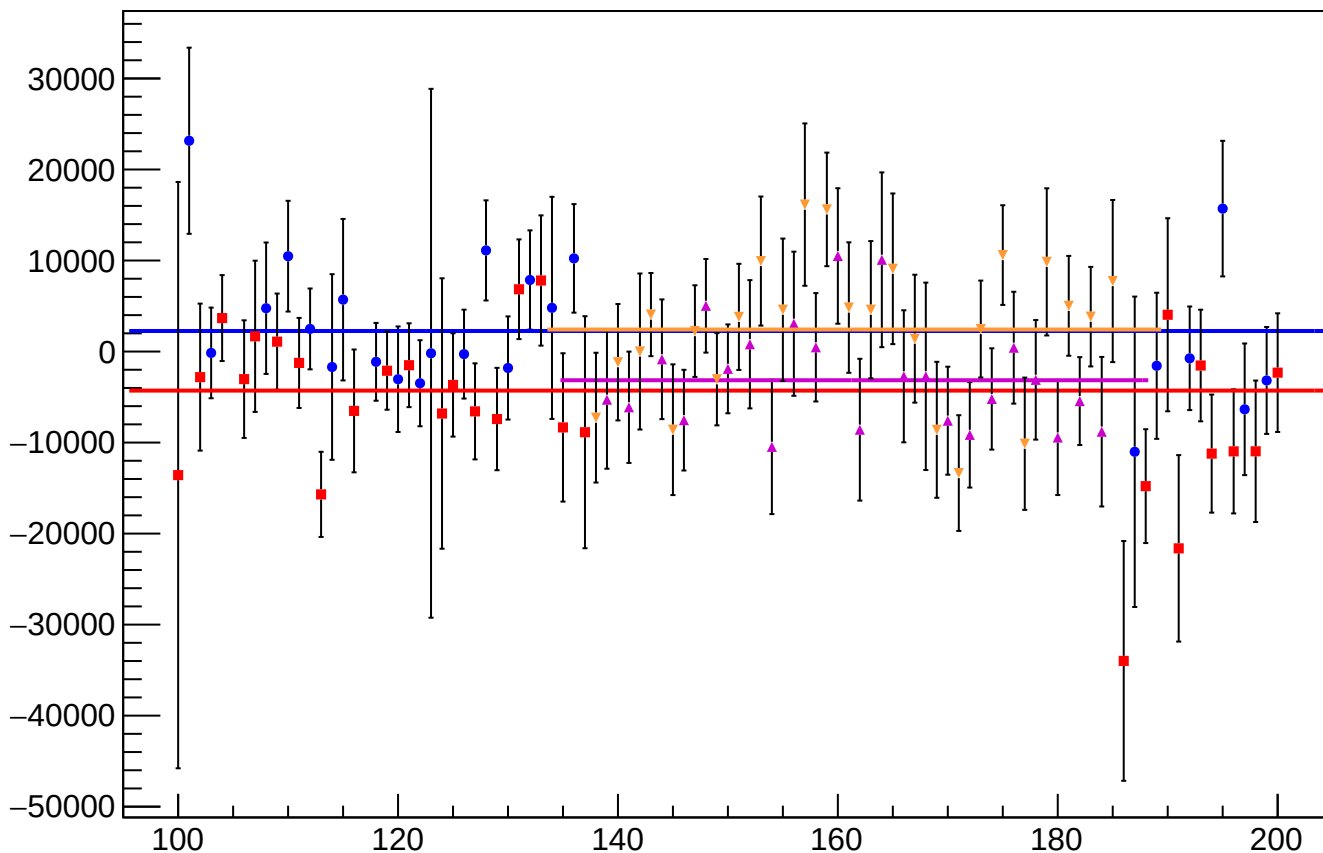
- sign 185.115 $\pm$ 605.456 χ^2 /NDF: 53.5/50

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2554.361+/-0.672	χ^2/NDF : 6542916.7/22	+ sign 2805.259+/-0.452	χ^2/NDF : 19068708.3/47
Left Out: 3013.268+/-0.612	χ^2/NDF : 12270753.9/24	All: 2663.696+/-0.311	χ^2/NDF : 44479185.0/9
Right Out: 1744.926+/-0.490	χ^2/NDF : 12912646.2/27	- sign 2536.900+/-0.428	χ^2/NDF : 25224829.8/50
Left In: 5084.645+/-0.879	χ^2/NDF : 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2257.604 $\pm$ 1301.671 χ^2 /NDF: 22.5/22

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

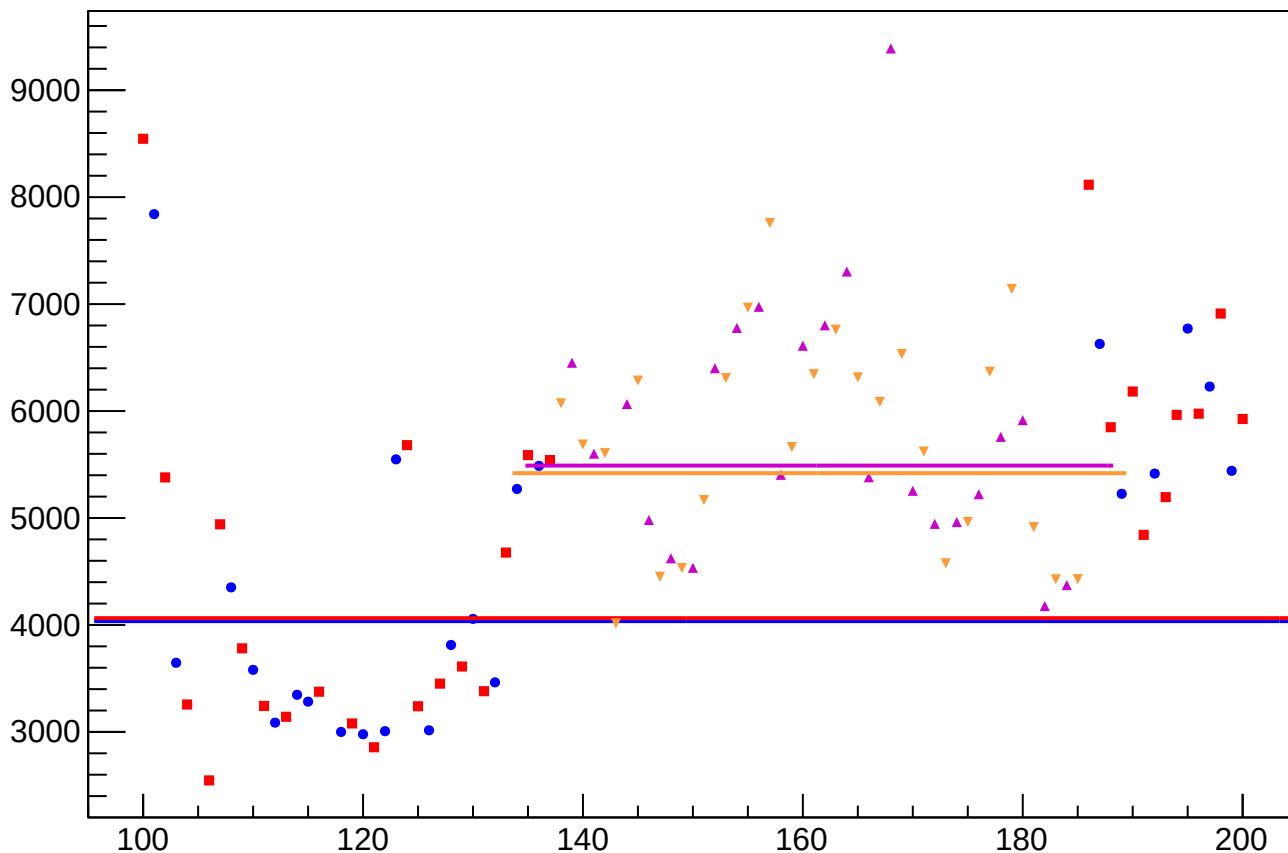
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

+ sign 2338.343 $\pm$ 915.003 χ^2 /NDF: 52.4/47

All: -782.109 $\pm$ 640.429 χ^2 /NDF: 125.1/98

- sign -3778.847 $\pm$ 896.682 χ^2 /NDF: 49.9/50

asym_atr1l2_avg_rms vs Slug



Right In: 4035.984 $\pm$ 0.920 χ^2 /NDF: 1731246.9/22

Left Out: 5419.305 $\pm$ 0.910 χ^2 /NDF: 1109972.1/24

Right Out: 4063.565 $\pm$ 0.845 χ^2 /NDF: 2275084.8/27

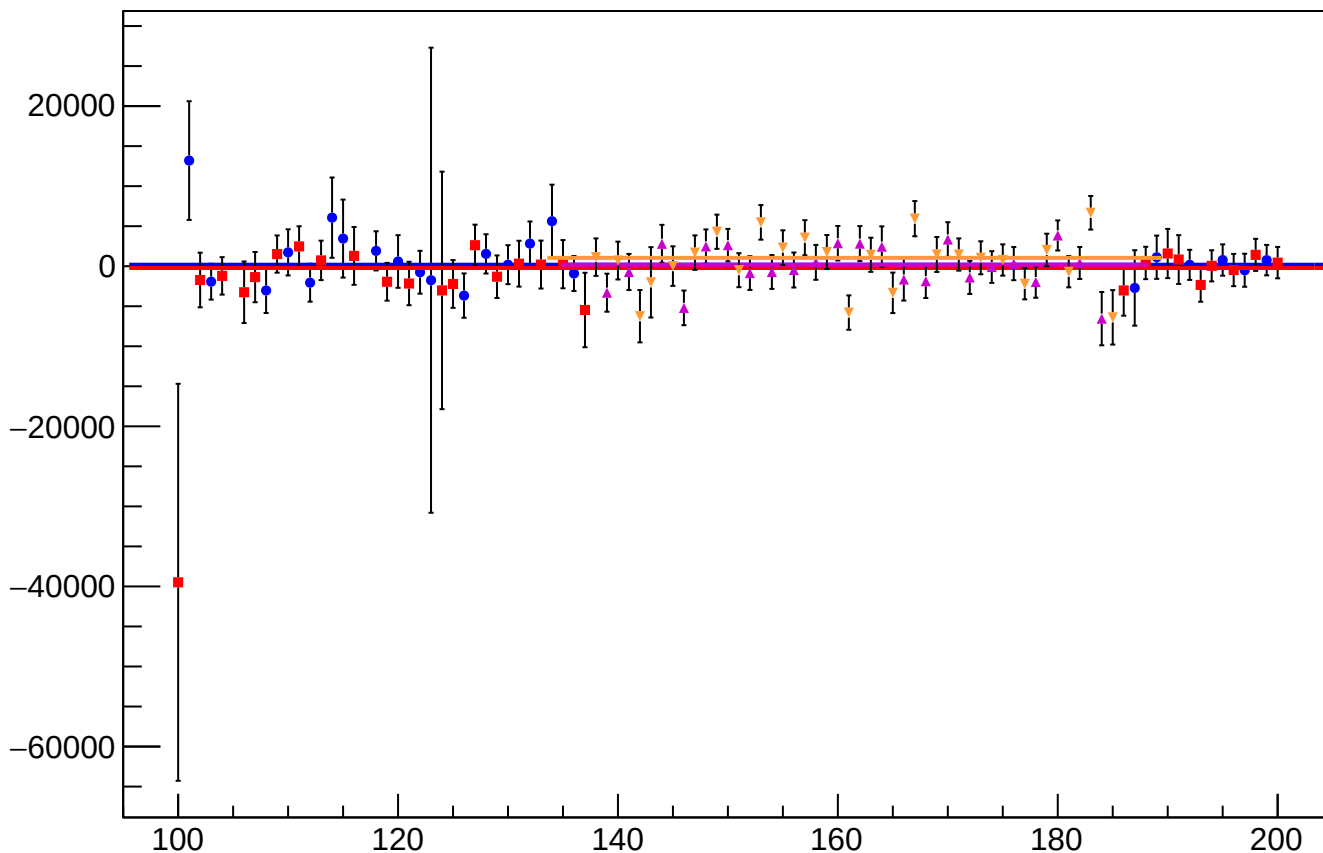
Left In: 5489.885 $\pm$ 0.946 χ^2 /NDF: 1064353.3/22

+ sign 4735.759 $\pm$ 0.647 χ^2 /NDF: 3983870.0/47

All: 4715.949 $\pm$ 0.451 χ^2 /NDF: 8589484.4/98

- sign 4697.150 $\pm$ 0.630 χ^2 /NDF: 4603787.3/50

reg_asym_atr1l2_dd_mean vs Slug



Right In: 187.588 $\pm$ 557.609 χ^2 /NDF: 14.5/22

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

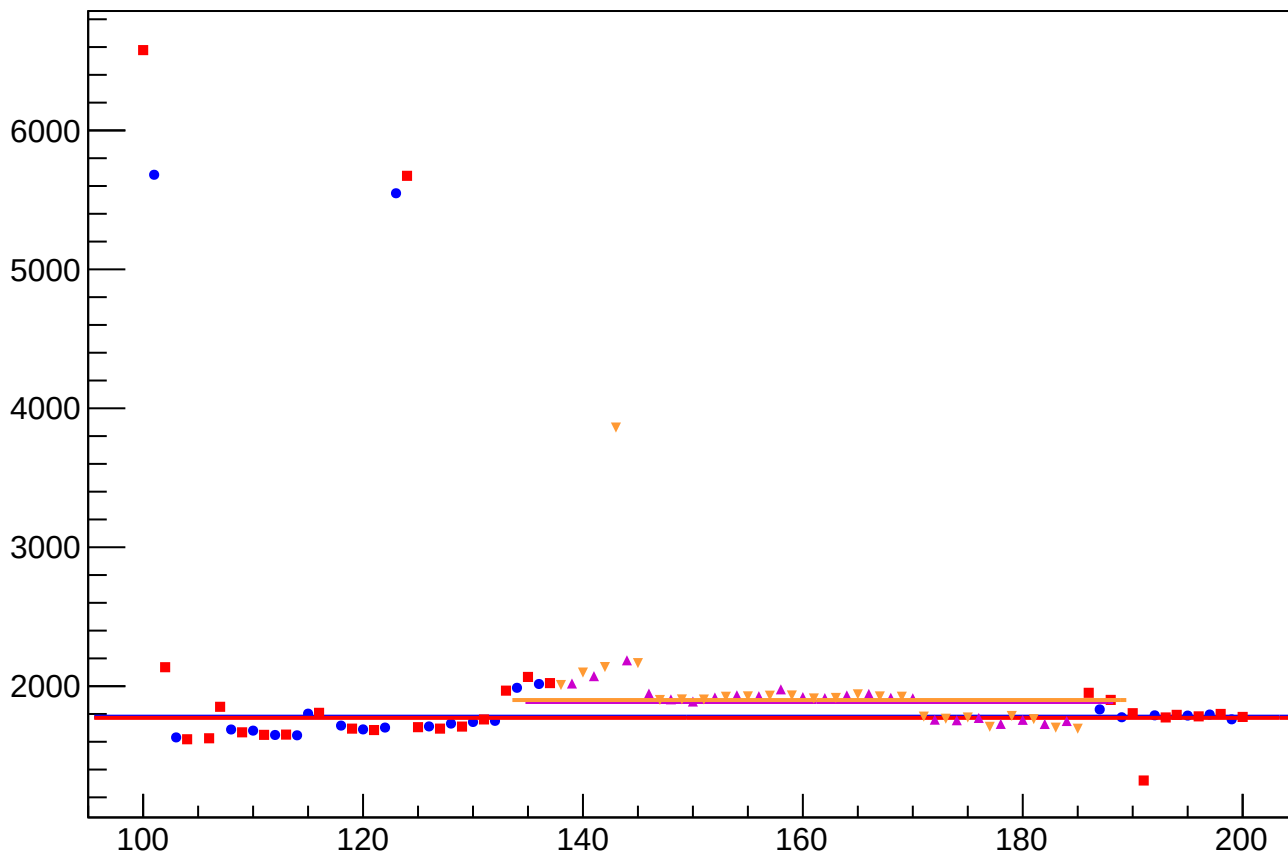
Left In: 191.966 $\pm$ 453.055 χ^2 /NDF:30.0/22

+ sign 707.973 $\pm$ 348.413 χ^2 /NDF: 64.5/47

All: 345.689 $\pm$ 242.131 χ^2 /NDF: 110.1/98

- sign 7.279 $\pm$ 336.737 χ^2 /NDF: 43.5/50

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1780.656 $\pm$ 0.394 χ^2 /NDF: 643656.4/22

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

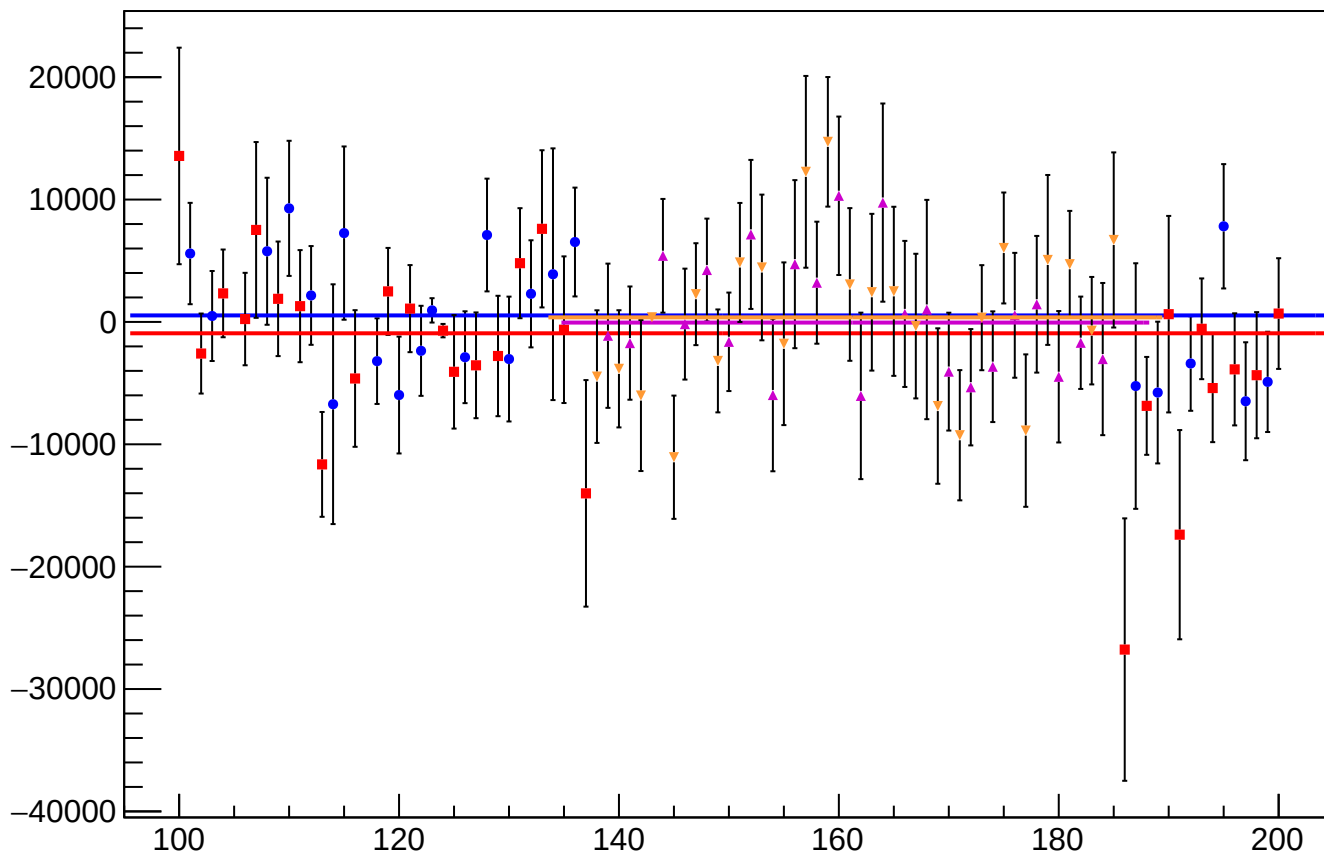
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1853.585 $\pm$ 0.246 χ^2 /NDF: 1237673.1/47

All: 1843.963 $\pm$ 0.171 χ^2 /NDF: 1786612.8/98

- sign 1835.005 $\pm$ 0.238 χ^2 /NDF: 545994.2/50

asym_atr1l2_dd_correction_mean vs Slug



Right In: 532.527 ± 705.312 χ^2/NDF : 24.1/22

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -928.478 ± 469.364 χ^2/NDF : 34.1/27

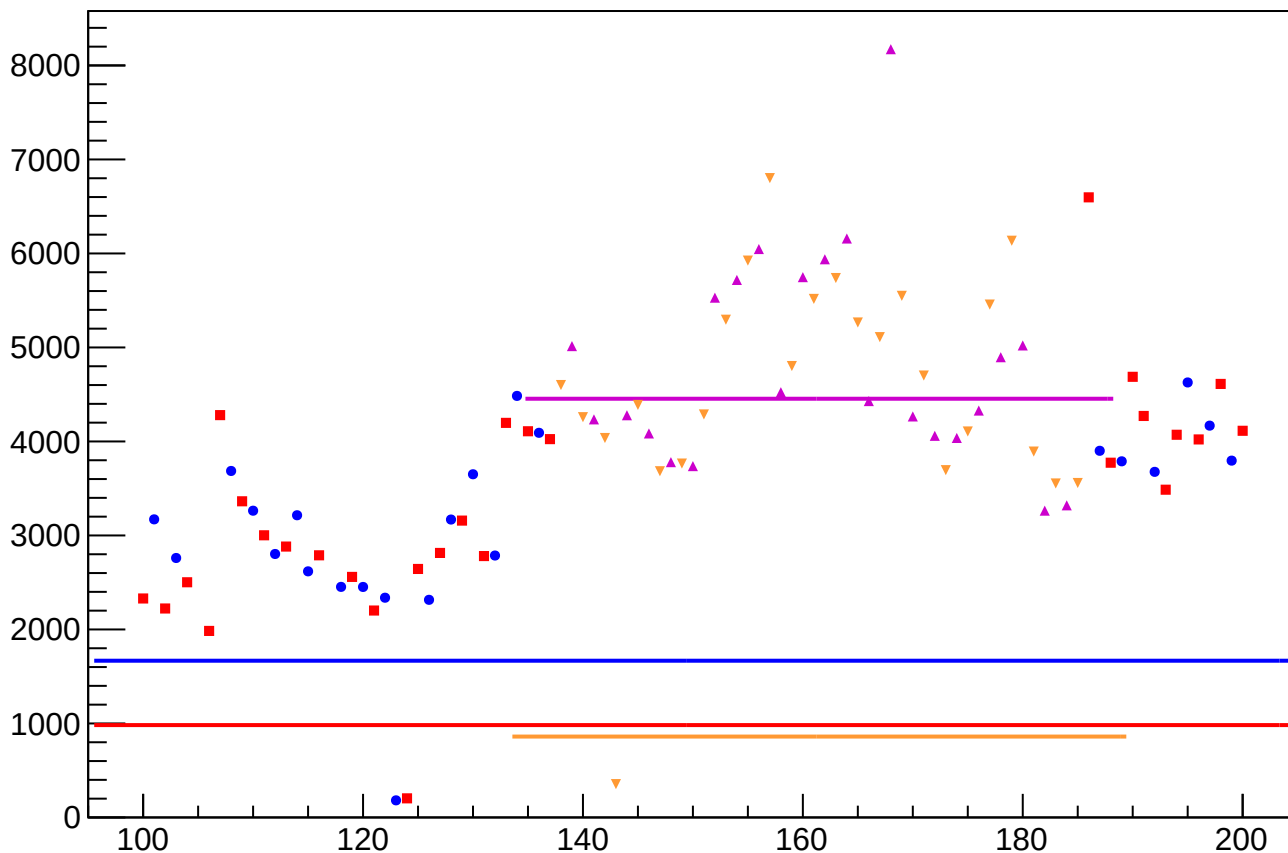
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 409.406 ± 335.947 χ^2/NDF : 54.9/47

All: -44.357 ± 264.985 χ^2/NDF : 108.9/98

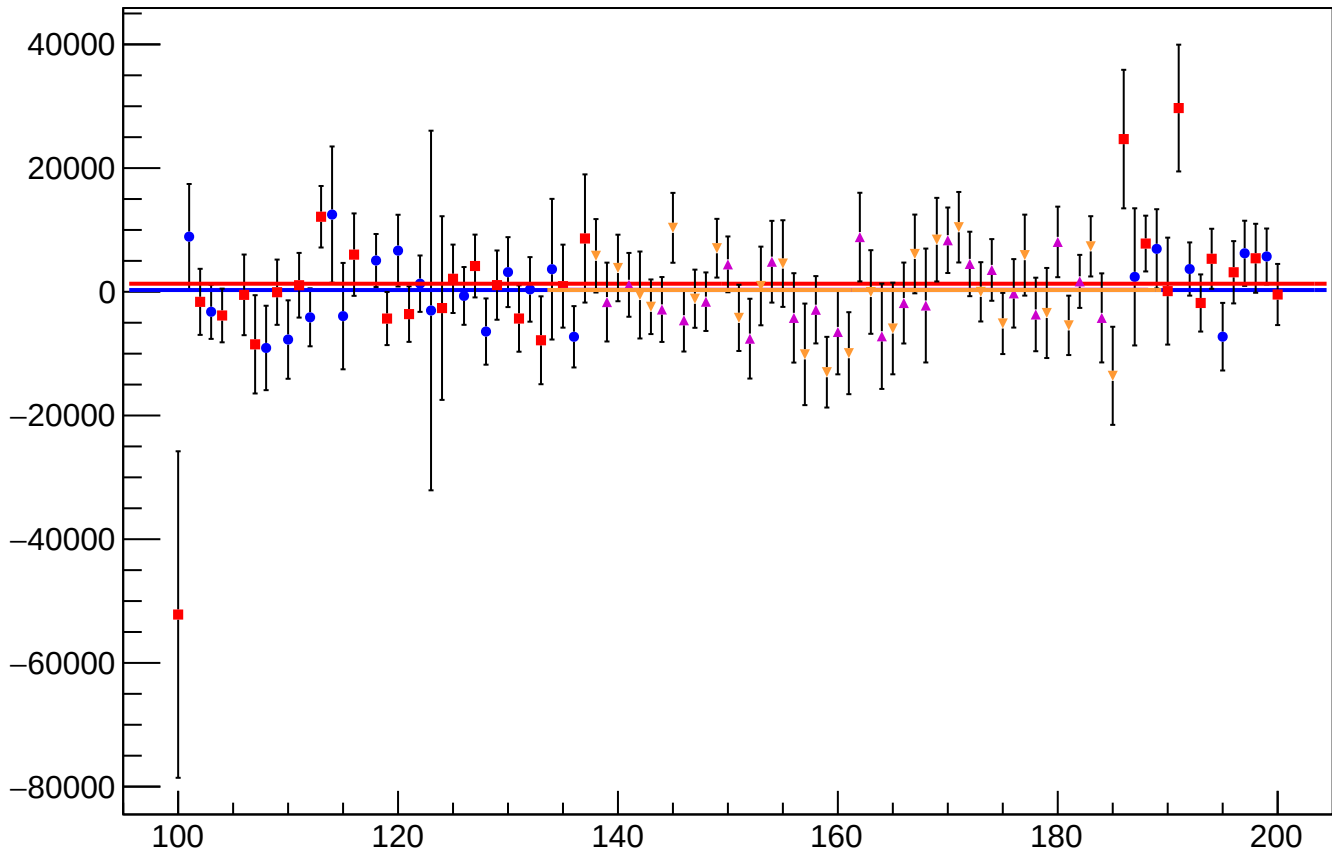
- sign -791.528 ± 431.088 χ^2/NDF : 49.1/50

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1667.436+/-0.499	χ^2/NDF : 9868391.2/22	+ sign 1043.605+/-0.238	χ^2/NDF : 38232211.4/47
Left Out: 860.545+/-0.270	χ^2/NDF : 26340106.5/24	All: 1225.786+/-0.187	χ^2/NDF : 75071612.8/50
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: 284.896 $\pm$ 1182.439 χ^2 /NDF: 20.7/22

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

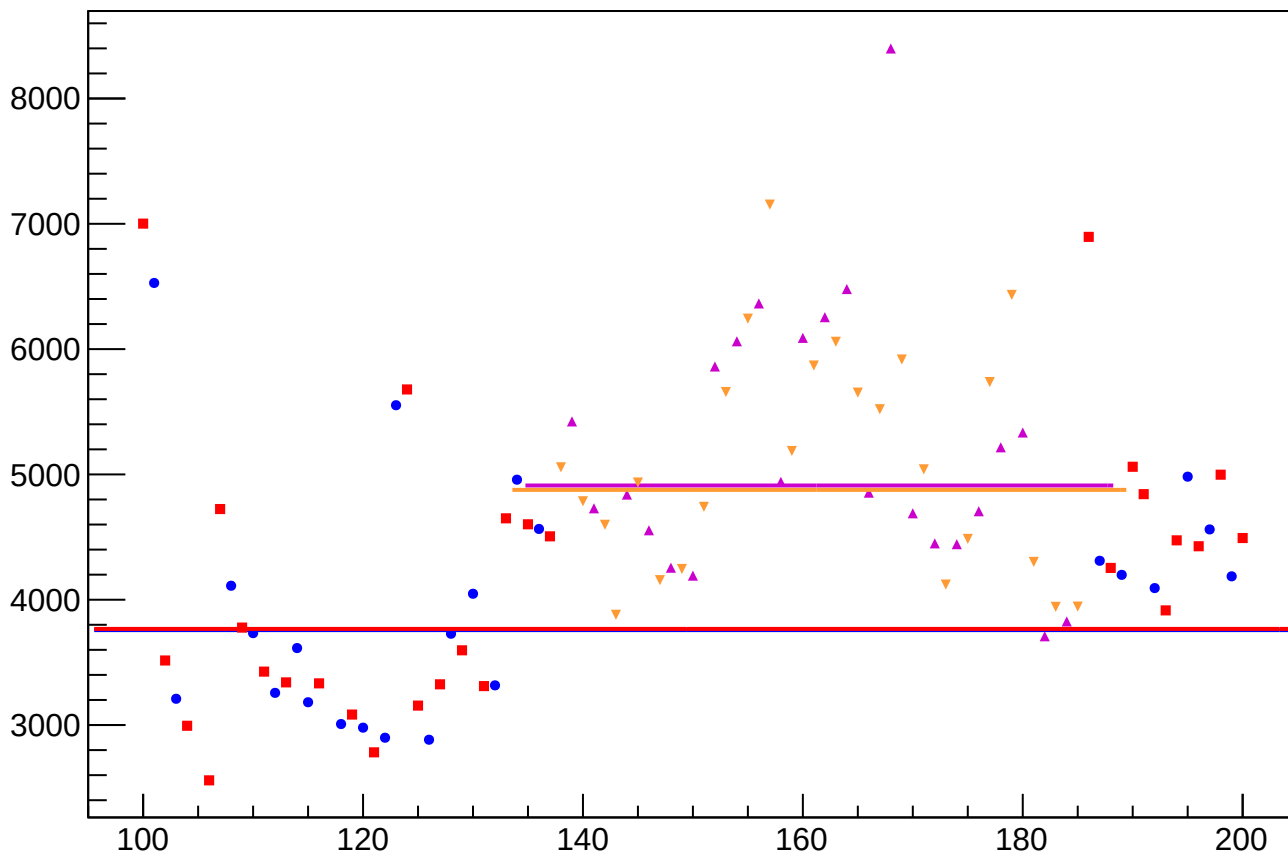
Left In: 332.488 $\pm$ 1196.011 χ^2 /NDF:14.7/22

+ sign 286.744 $\pm$ 826.392 χ^2 /NDF: 53.1/47

All: 583.599 $\pm$ 576.607 χ^2 /NDF: 103.7/98

- sign 865.232 $\pm$ 804.924 χ^2 /NDF: 50.4/50

asym_atr1l2_dd_rms vs Slug



Right In: 3757.518 $\pm$ 0.836 χ^2 /NDF: 813095.0/22

Left Out: 4876.564 $\pm$ 0.817 χ^2 /NDF: 972528.1/24

Right Out: 3767.102 $\pm$ 0.763 χ^2 /NDF: 1044749.5/27

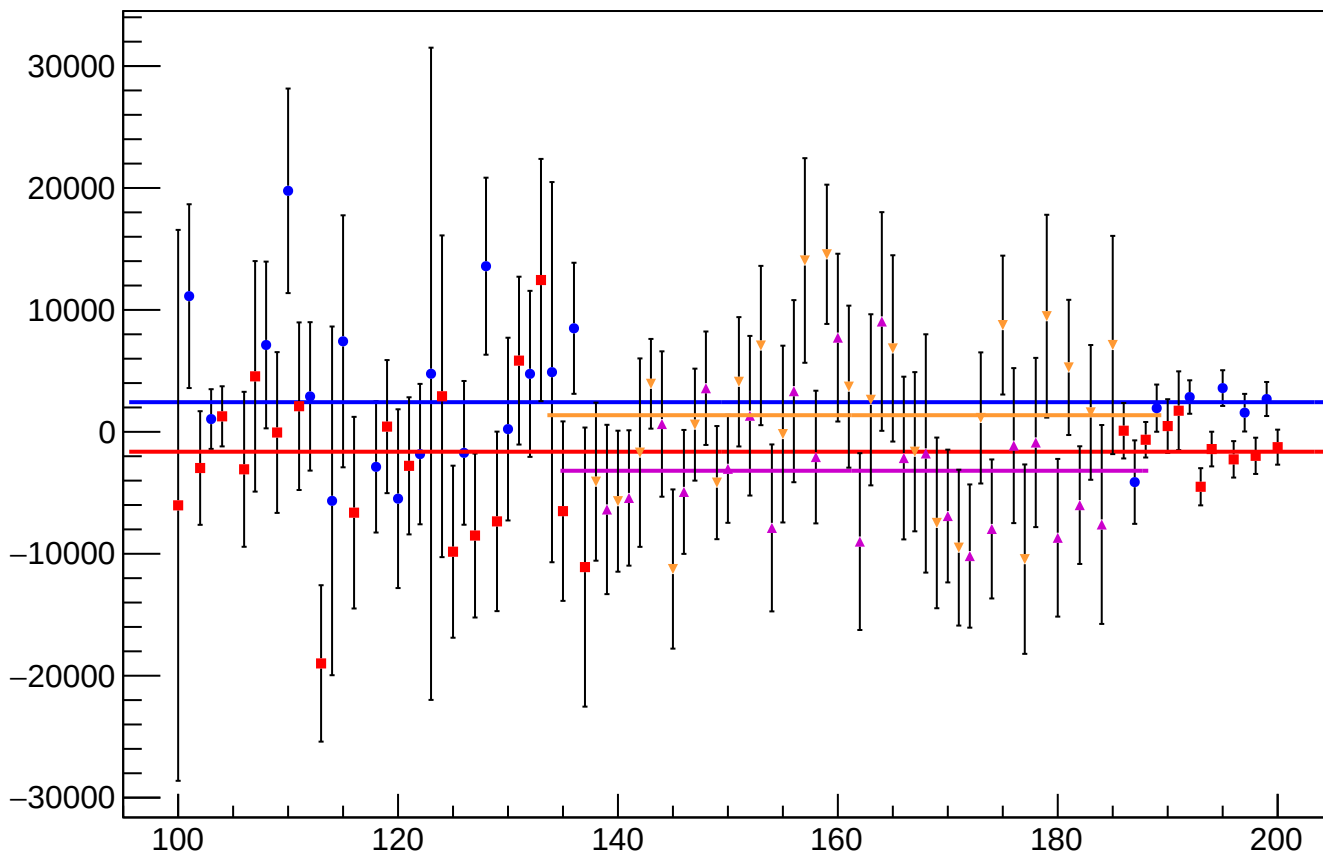
Left In: 4911.546 $\pm$ 0.846 χ^2 /NDF: 1043164.6/22

+ sign 4329.970 $\pm$ 0.584 χ^2 /NDF: 2701977.6/47

All: 4304.465 $\pm$ 0.407 χ^2 /NDF: 5803341.7/98

- sign 4280.499 $\pm$ 0.566 χ^2 /NDF: 3097668.9/50

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2433.641 $\pm$ 602.567 χ^2 /NDF: 18.8/22

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

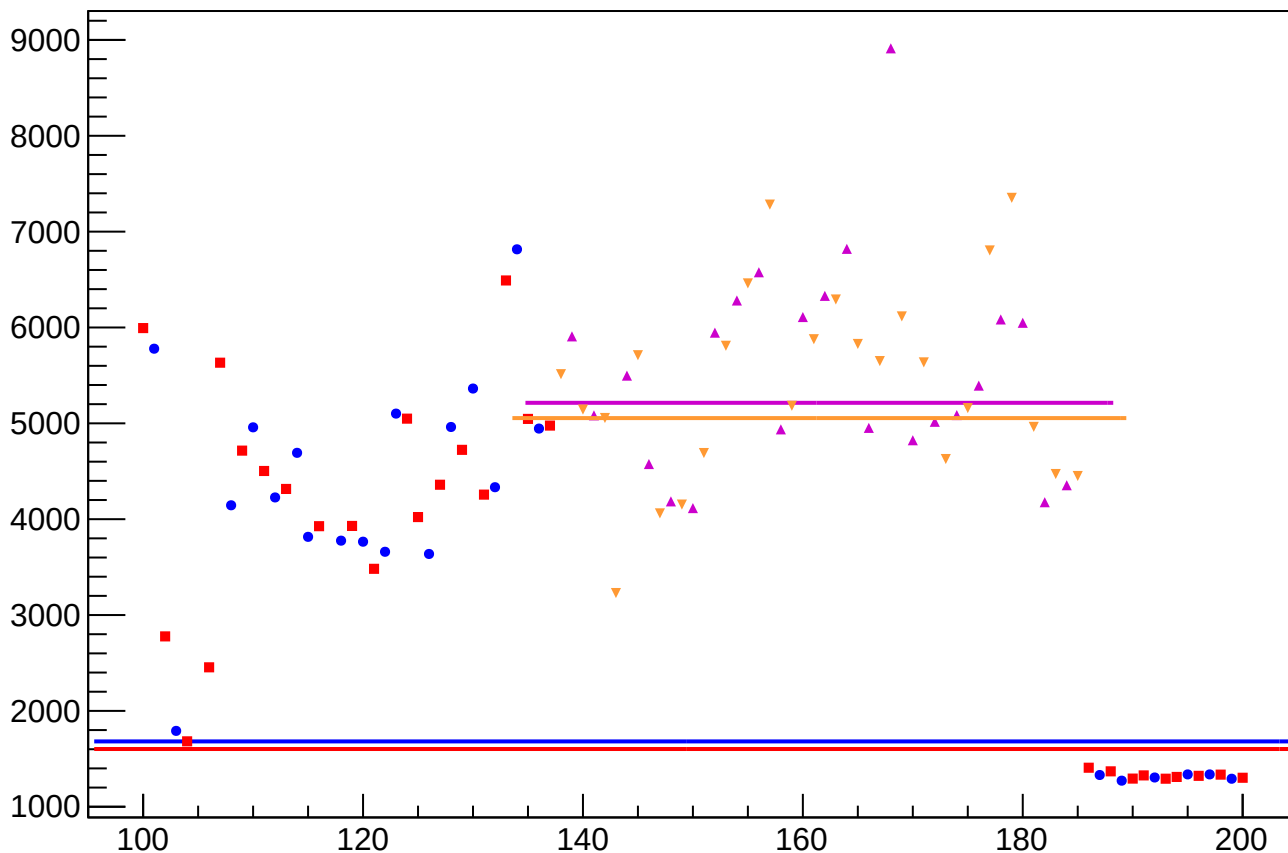
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 2220.250 $\pm$ 539.054 χ^2 /NDF: 47.4/47

All: -67.140 $\pm$ 356.690 χ^2 /NDF: 119.3/98

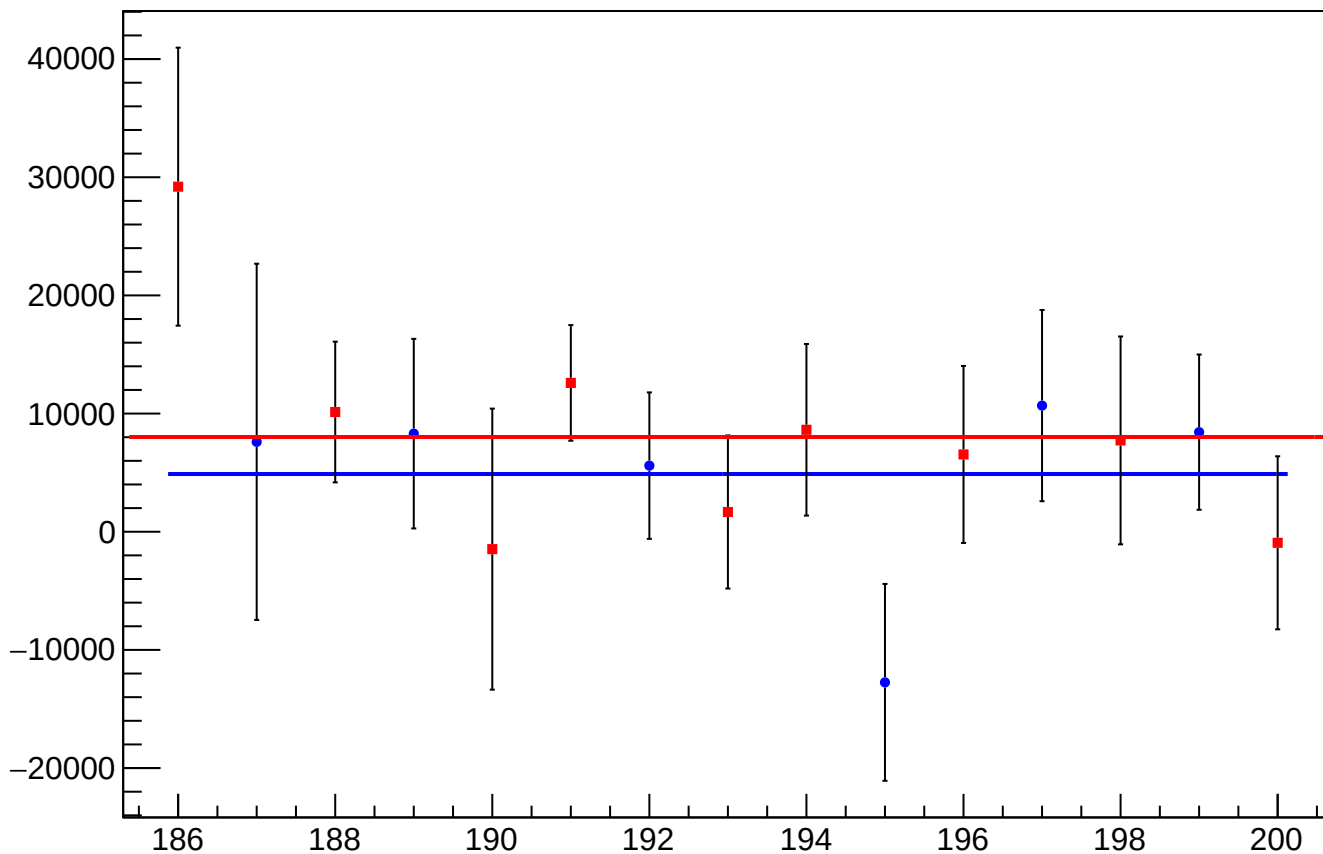
- sign -1848.707 $\pm$ 475.733 χ^2 /NDF: 39.9/50

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1681.637 $\pm$ 0.426	χ^2 /NDF: 5412445.0/22	+ sign 2355.232 $\pm$ 0.381	χ^2 /NDF: 19365179.0/47
Left Out: 5054.711 $\pm$ 0.853	χ^2 /NDF: 1437224.7/24	All: 2216.107 $\pm$ 0.252	χ^2 /NDF: 40075491.8/50
Right Out: 1602.304 $\pm$ 0.362	χ^2 /NDF: 5510189.9/27	- sign 2107.985 $\pm$ 0.336	χ^2 /NDF: 20473553.6/50
Left In: 5214.120 $\pm$ 0.898	χ^2 /NDF: 1052501.5/22		

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 4884.437+/-3180.730 χ^2/NDF : 5.5/5

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

Right Out: 8018.276+/-2380.622 χ^2/NDF : 7.4/8

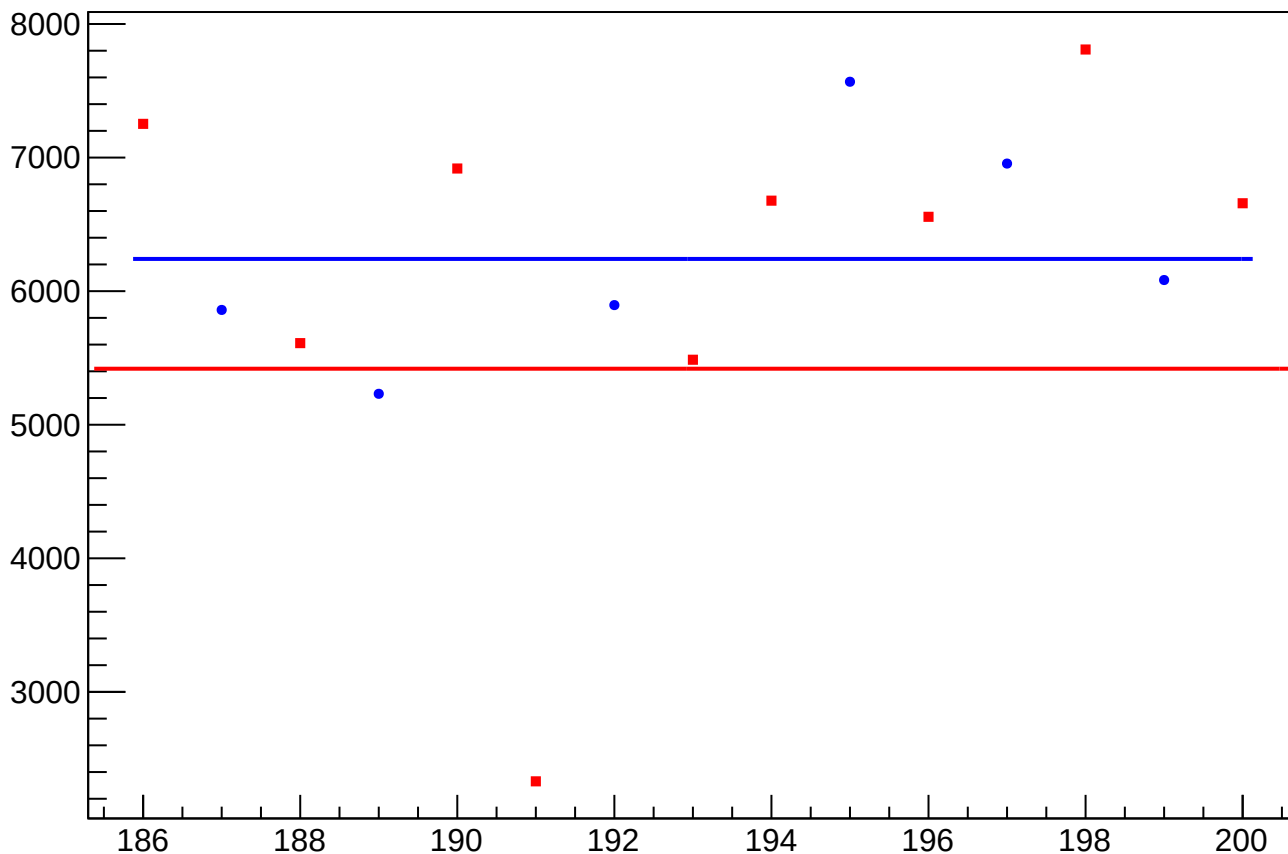
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 6893.077+/-1905.913 χ^2/NDF : 13.5/14

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 6241.237 $\pm$ 2.249 χ^2 /NDF: 106630.4/5

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 5419.413 $\pm$ 1.683 χ^2 /NDF: 1190402.7/8

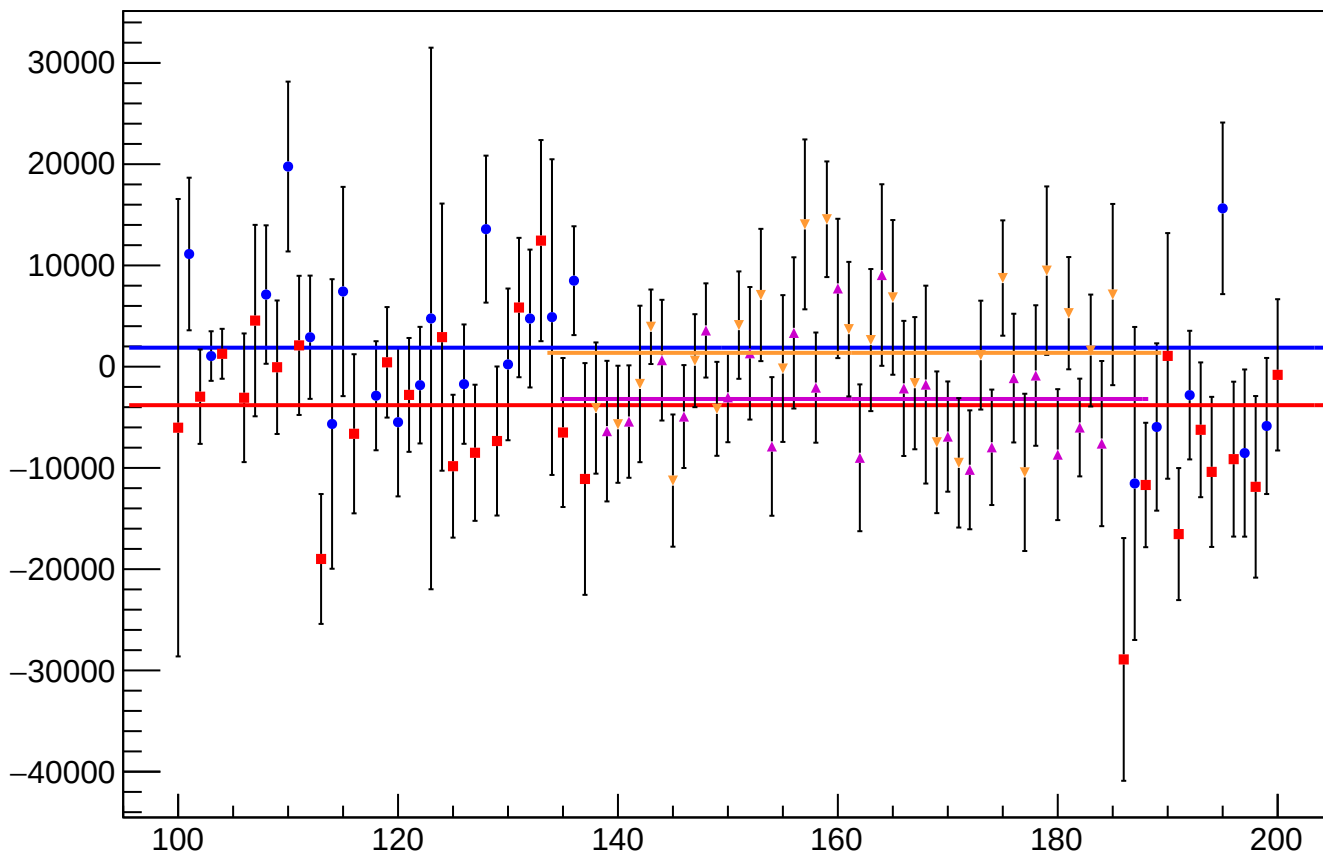
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 5714.487 $\pm$ 1.348 χ^2 /NDF: 1382610.5/14

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1876.274+/-1329.092 χ^2/NDF : 22.1/22

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -3803.068+/-1217.977 χ^2/NDF : 31.8/27

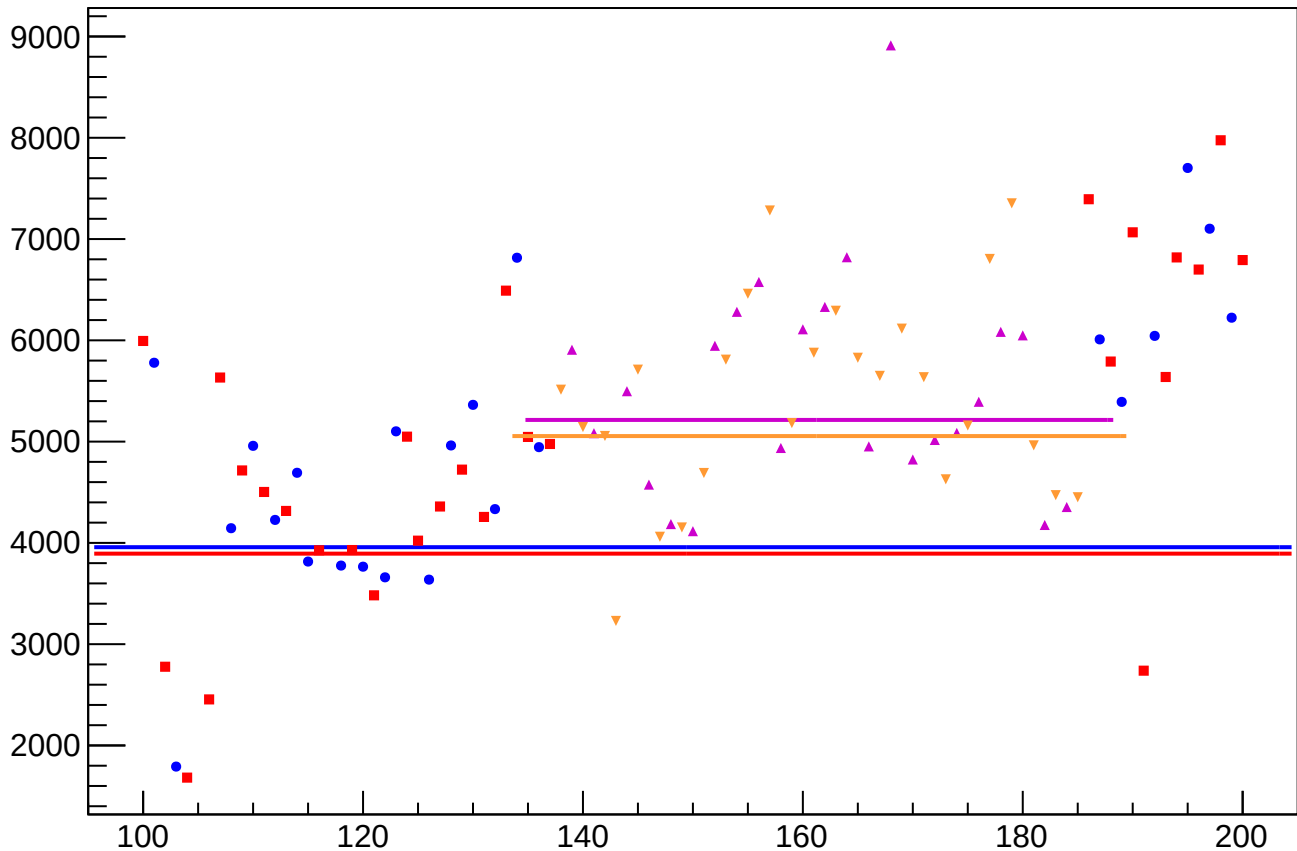
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 1595.971+/-893.234 χ^2/NDF : 50.1/47

All: -997.791+/-626.541 χ^2/NDF : 112.6/98

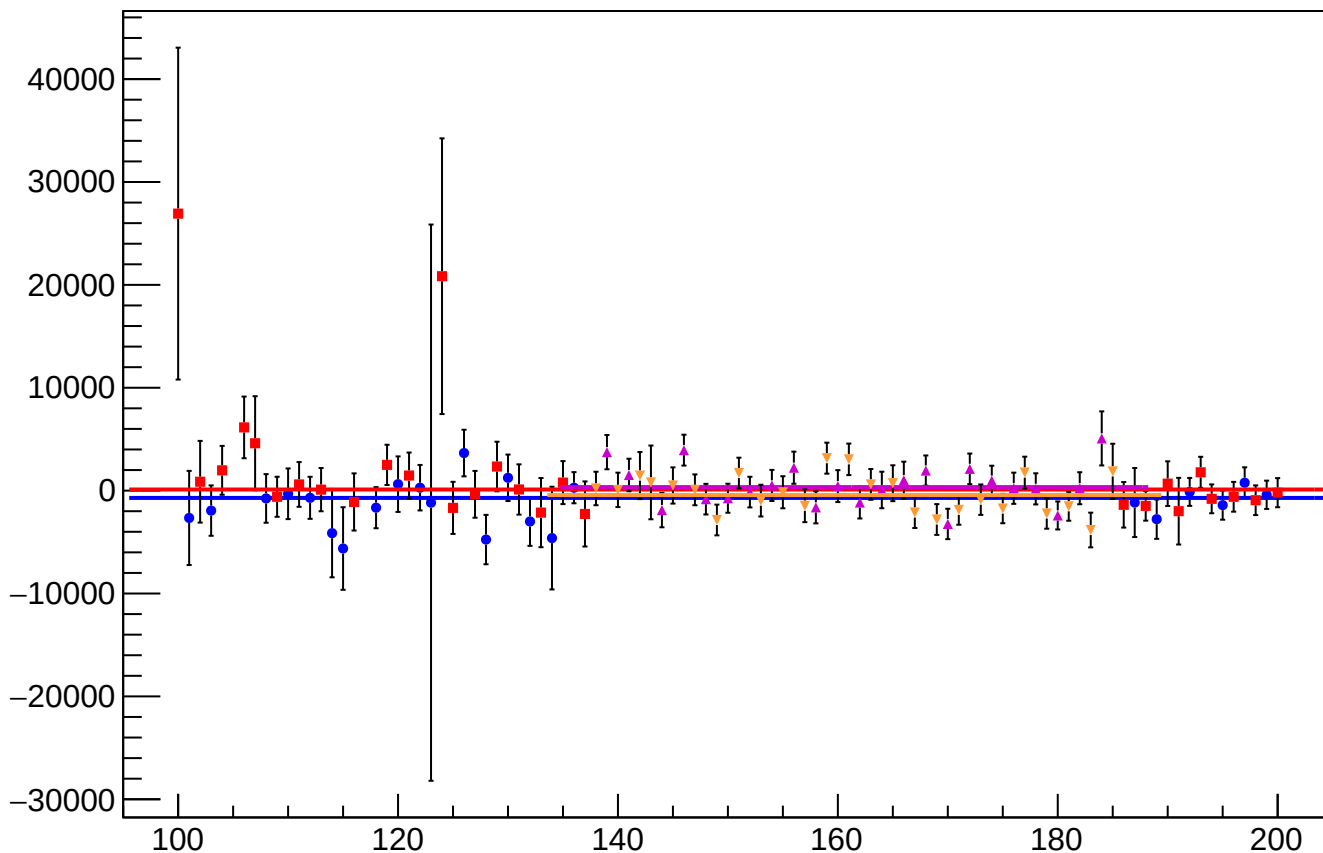
- sign -3509.908+/-879.063 χ^2/NDF : 45.9/50

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3957.647 $\pm$ 0.940	χ^2 /NDF: 3208937.7/22	+ sign 4559.191 $\pm$ 0.632	χ^2 /NDF: 5393361.7/47
Left Out: 5054.711 $\pm$ 0.853	χ^2 /NDF: 1437224.7/24	All: 4540.063 $\pm$ 0.442	χ^2 /NDF: 11853094.3/50
Right Out: 3893.859 $\pm$ 0.855	χ^2 /NDF: 4271850.4/27	- sign 4521.675 $\pm$ 0.619	χ^2 /NDF: 6457933.8/50
Left In: 5214.120 $\pm$ 0.898	χ^2 /NDF: 1052501.5/22		

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -707.862 $\pm$ 442.537 χ^2 /NDF: 15.2/22

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

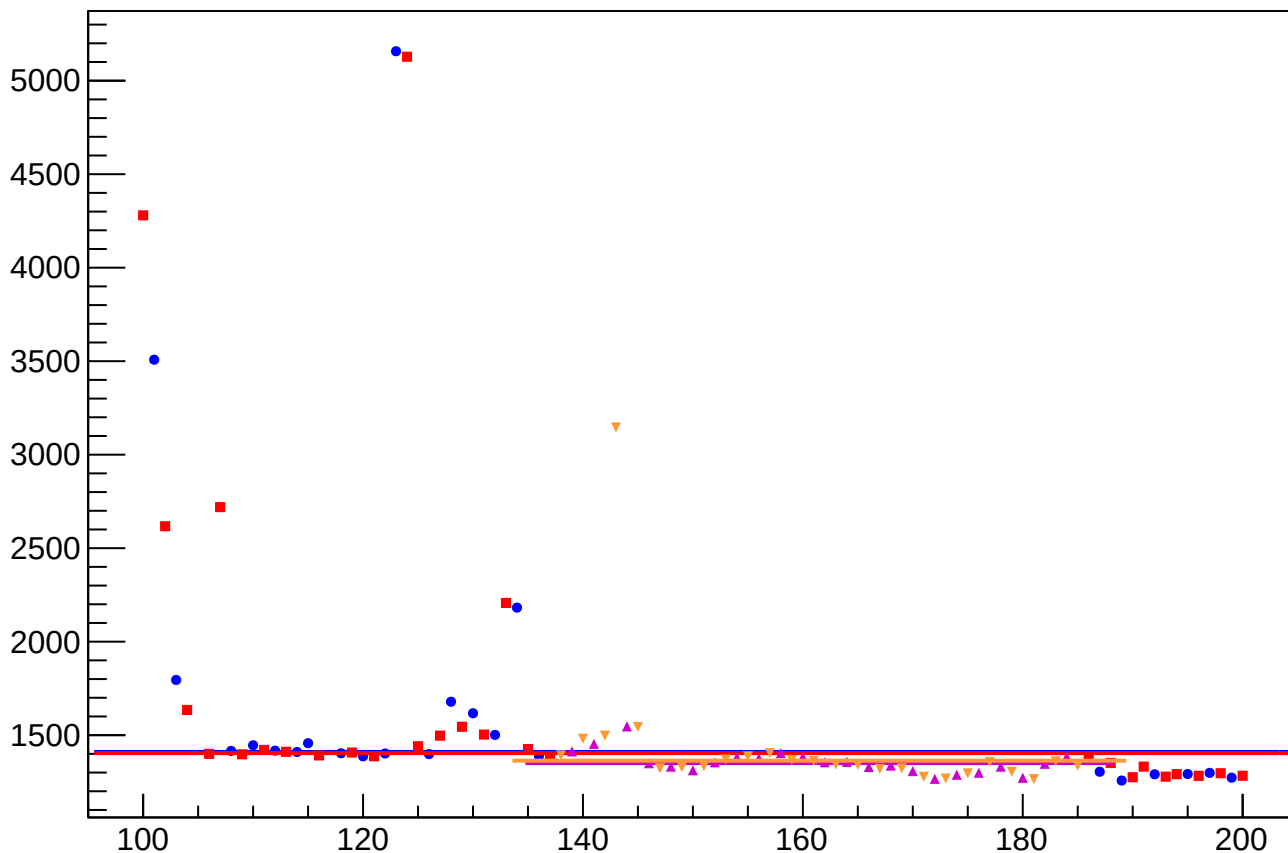
Left In: 343.737 $\pm$ 324.368 χ^2 /NDF:33.8/22

+ sign -526.740 $\pm$ 259.596 χ^2 /NDF: 48.5/47

All: -126.503 $\pm$ 180.912 χ^2 /NDF: 107.3/98

- sign 251.426 $\pm$ 252.258 χ^2 /NDF: 54.2/50

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1410.102+/-0.313 χ^2/NDF : 677788.3/22

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1404.027+/-0.284 χ^2/NDF : 796047.1/27

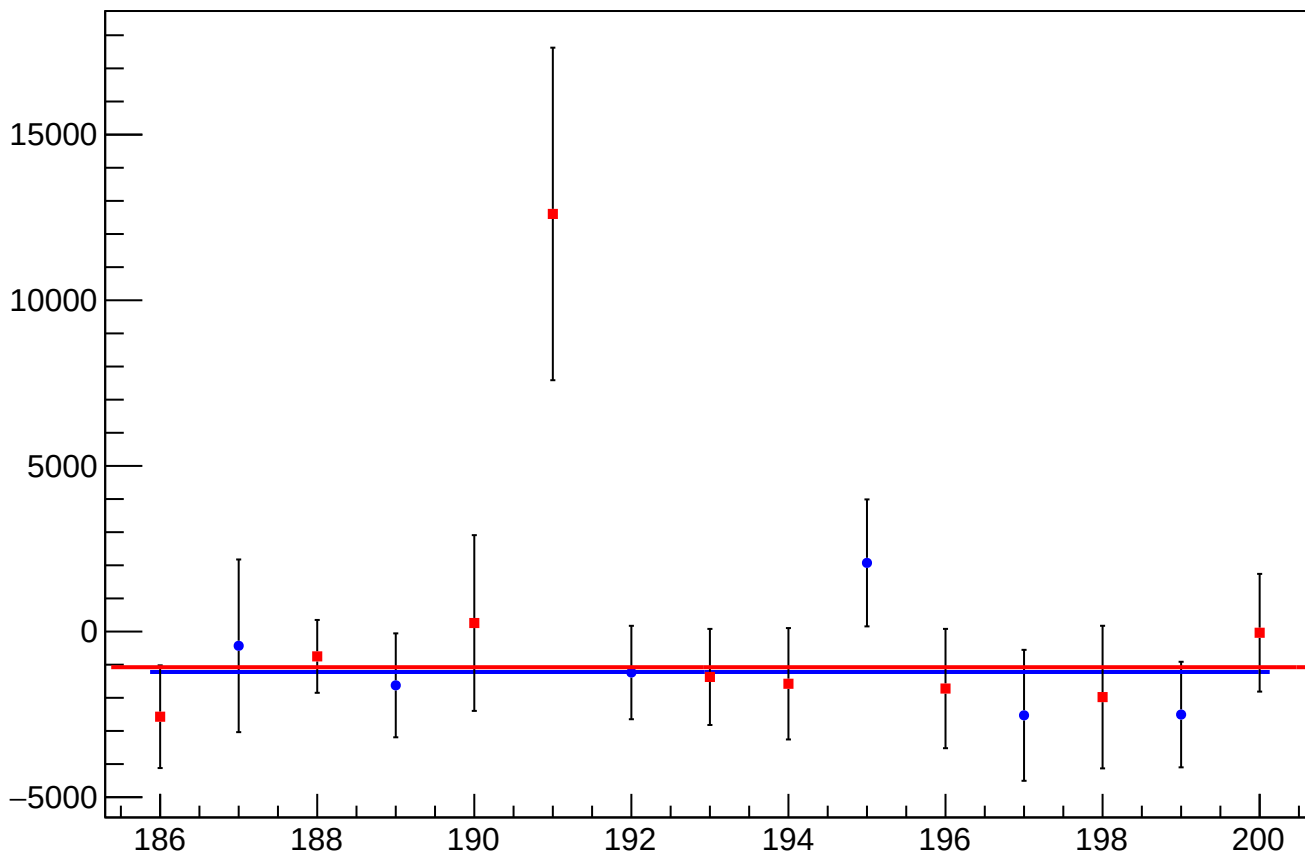
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1379.576+/-0.184 χ^2/NDF : 1267523.5/47

All: 1375.629+/-0.128 χ^2/NDF : 2152810.3/98

- sign 1371.901+/-0.178 χ^2/NDF : 884387.7/50

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -1220.470+/-710.840 χ^2/NDF : 4.2/5

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

Right Out: -1075.850+/-568.378 χ^2/NDF : 9.5/8

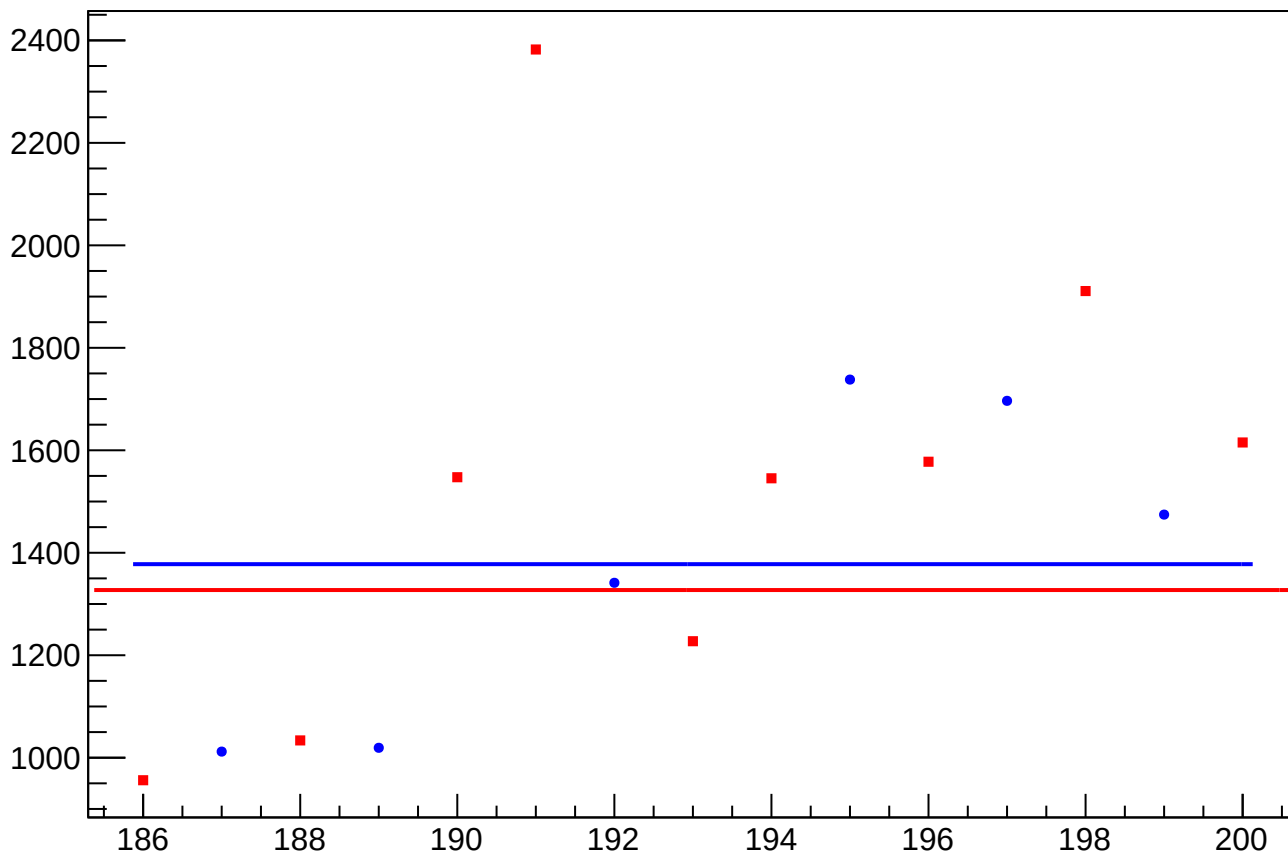
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1132.251+/-443.918 χ^2/NDF : 13.7/14

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1377.748 $\pm$ 0.503 χ^2 /NDF: 275213.9/5

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1327.248 $\pm$ 0.402 χ^2 /NDF: 640720.0/8

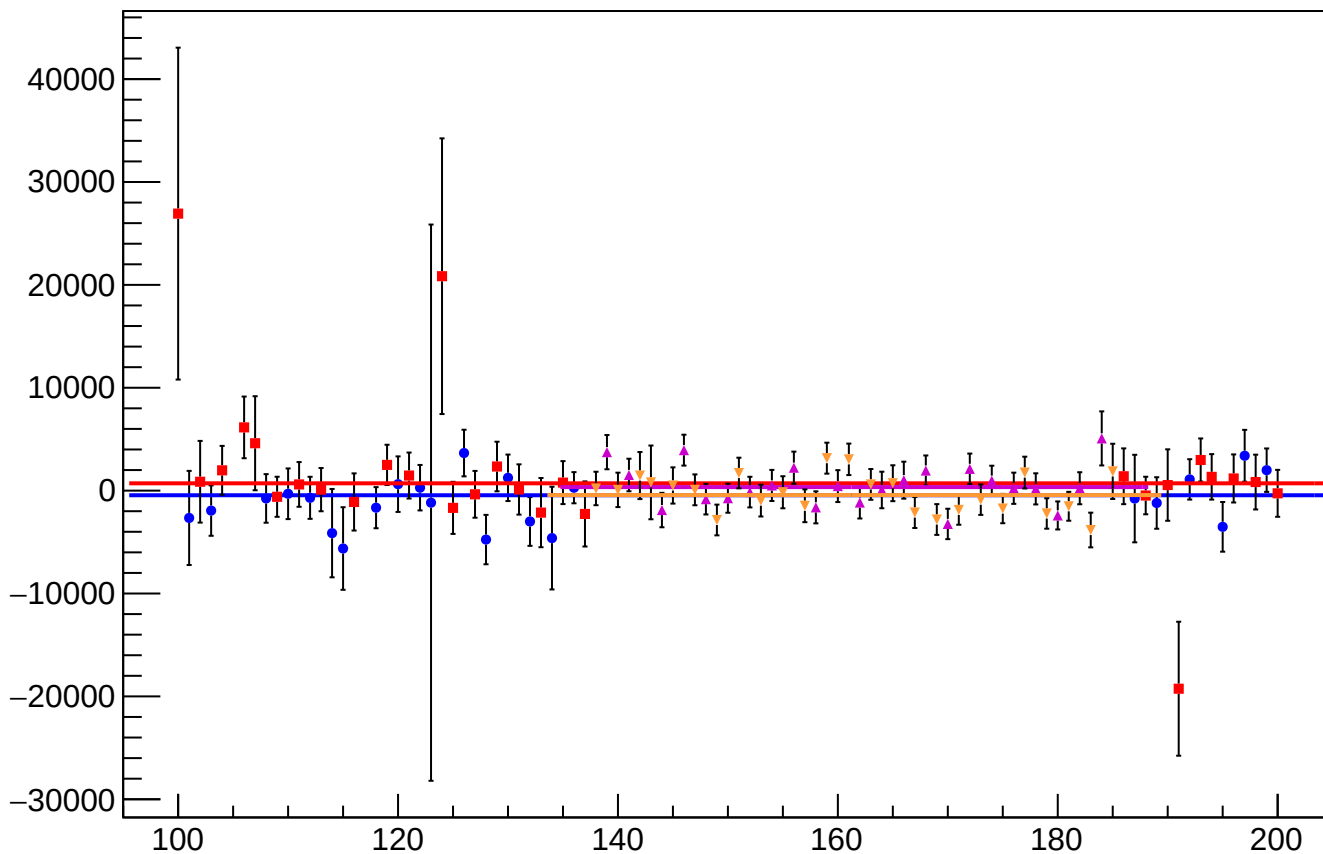
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1346.943 $\pm$ 0.314 χ^2 /NDF: 922091.4/14

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -448.908 ± 516.053 χ^2/NDF : 18.8/22

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 710.659 ± 482.195 χ^2/NDF : 25.7/27

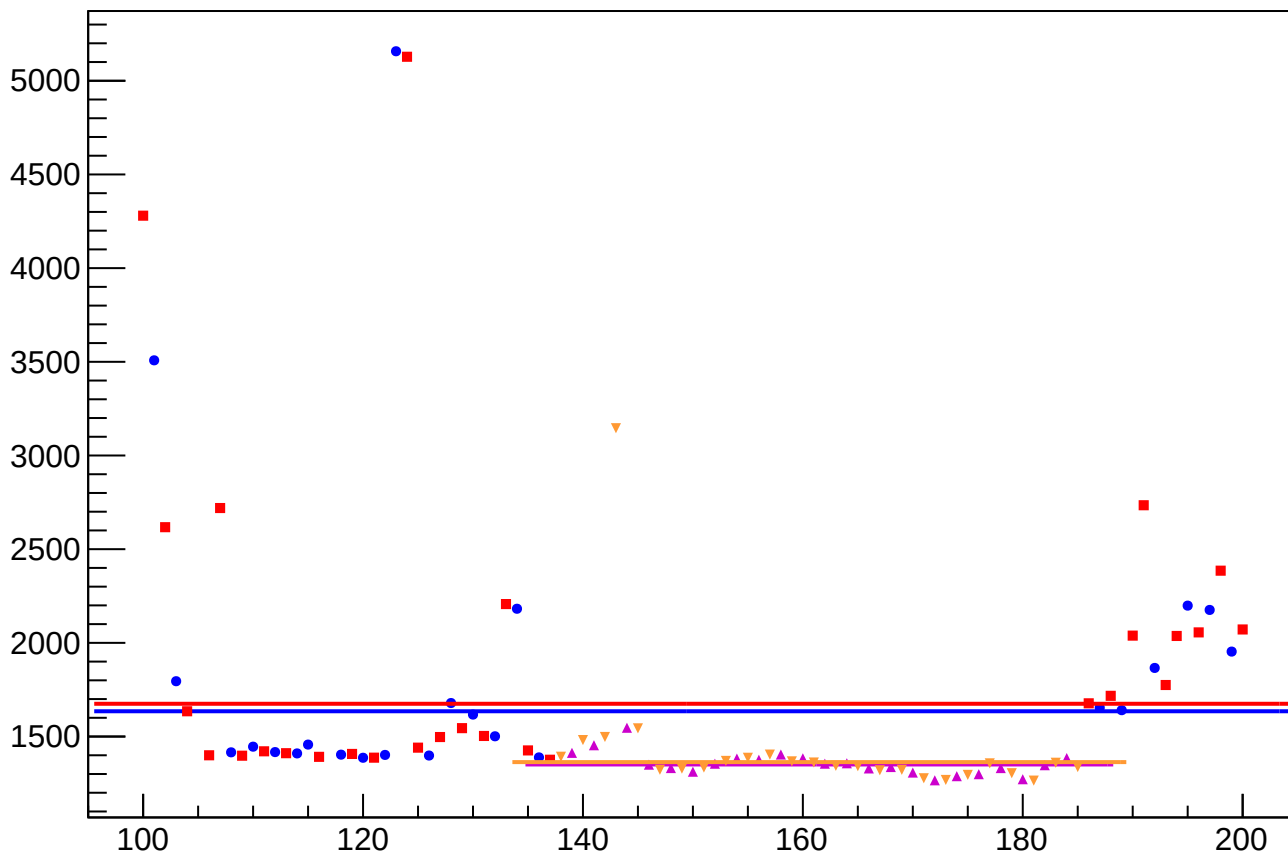
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -436.501 ± 272.289 χ^2/NDF : 51.9/47

All: 15.975 ± 191.414 χ^2/NDF : 117.2/98

- sign 458.047 ± 269.140 χ^2/NDF : 59.9/50

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1634.899+/-0.365 χ^2/NDF : 885399.4/22

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1674.874+/-0.341 χ^2/NDF : 1141730.4/27

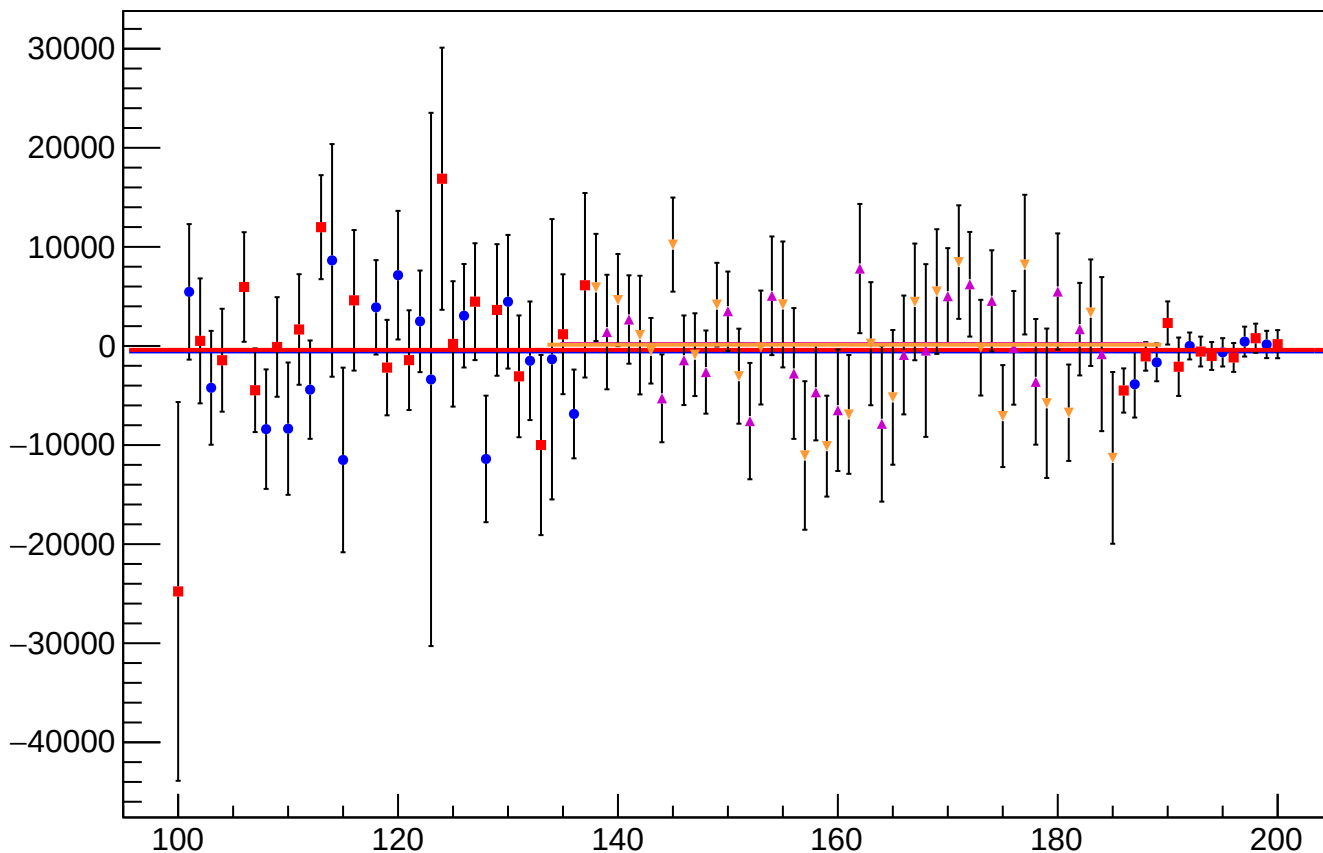
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1439.102+/-0.193 χ^2/NDF : 1859613.7/47

All: 1445.544+/-0.135 χ^2/NDF : 3692233.4/98

- sign 1451.837+/-0.190 χ^2/NDF : 1830406.9/50

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -550.891+/-598.307 χ^2/NDF : 17.6/22

Left Out: 132.142+/-1065.543 χ^2/NDF : 28.1/24

Right Out: -393.593+/-505.722 χ^2/NDF : 21.7/27

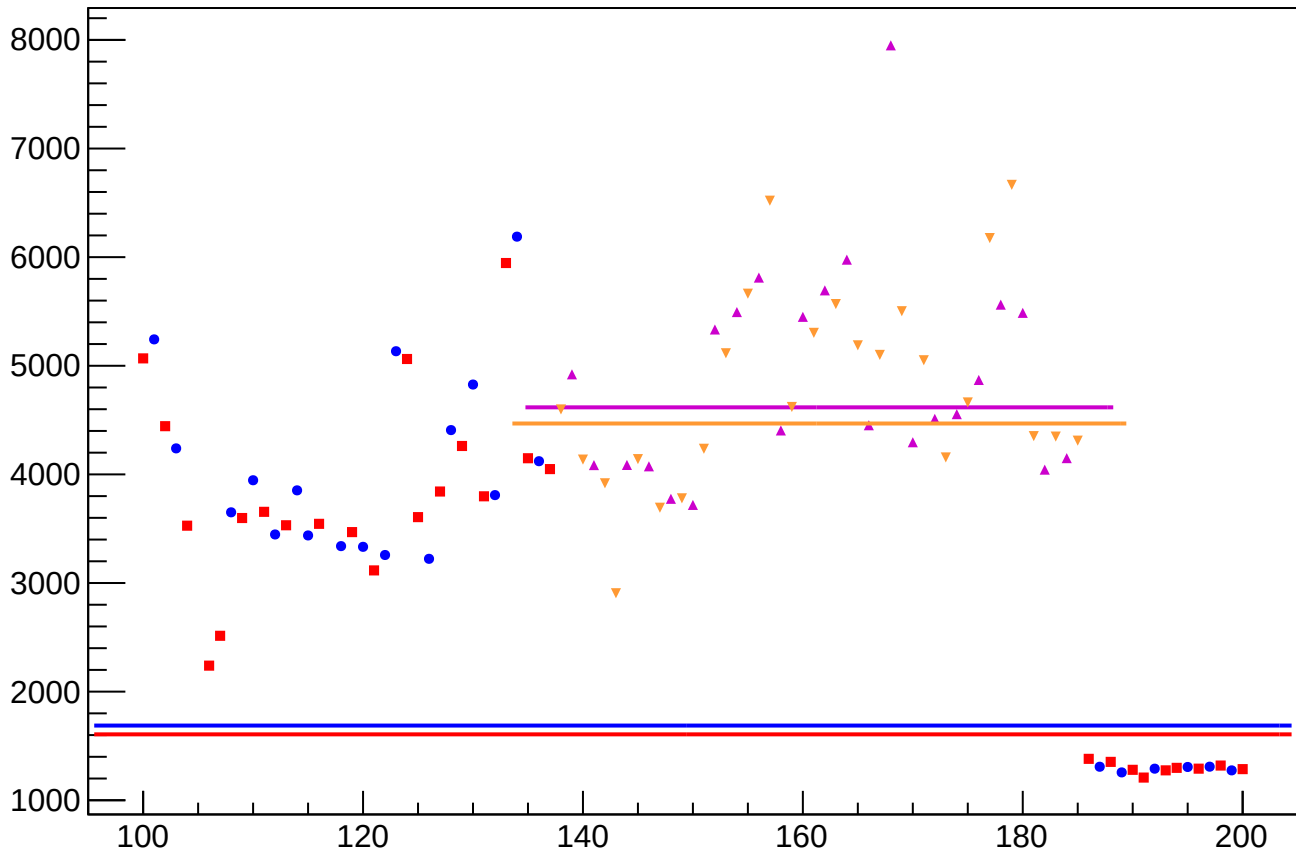
Left In: 200.182+/-1123.499 χ^2/NDF : 14.7/22

+ sign -387.161+/-521.691 χ^2/NDF : 46.0/47

All: -334.613+/-345.516 χ^2/NDF : 82.7/98

- sign -293.553+/-461.156 χ^2/NDF : 36.7/50

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1687.601+/-0.423 χ^2/NDF : 5114622.2/22

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 1606.667+/-0.357 χ^2/NDF : 5124235.1/27

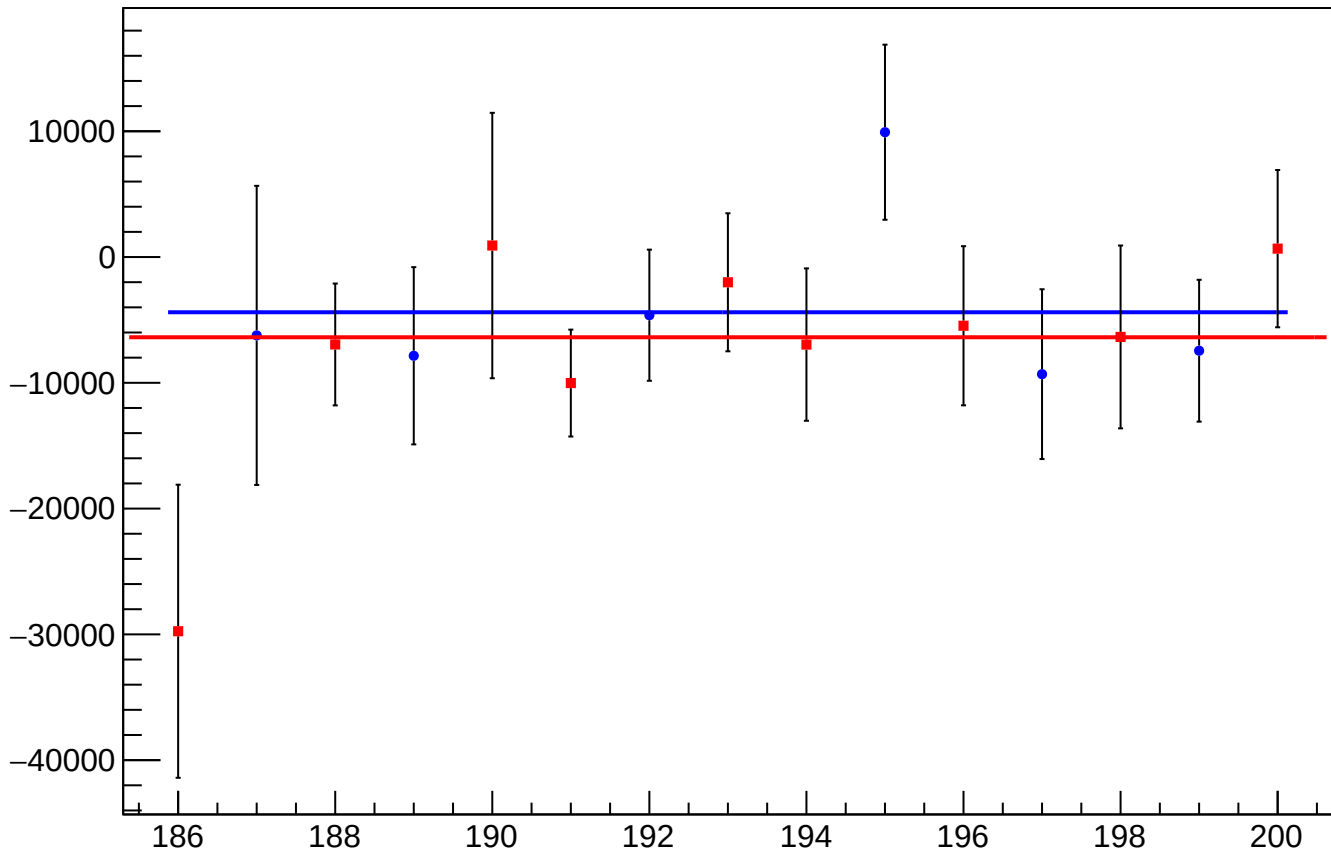
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 2354.210+/-0.369 χ^2/NDF : 16852486.5/47

All: 2218.602+/-0.244 χ^2/NDF : 35163629.3/50

- sign 2112.856+/-0.326 χ^2/NDF : 18070626.0/50

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -4390.263+/-2691.341 χ^2 /NDF: 5.3/5

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

Right Out: -6377.525+/-2023.126 χ^2 /NDF: 7.2/8

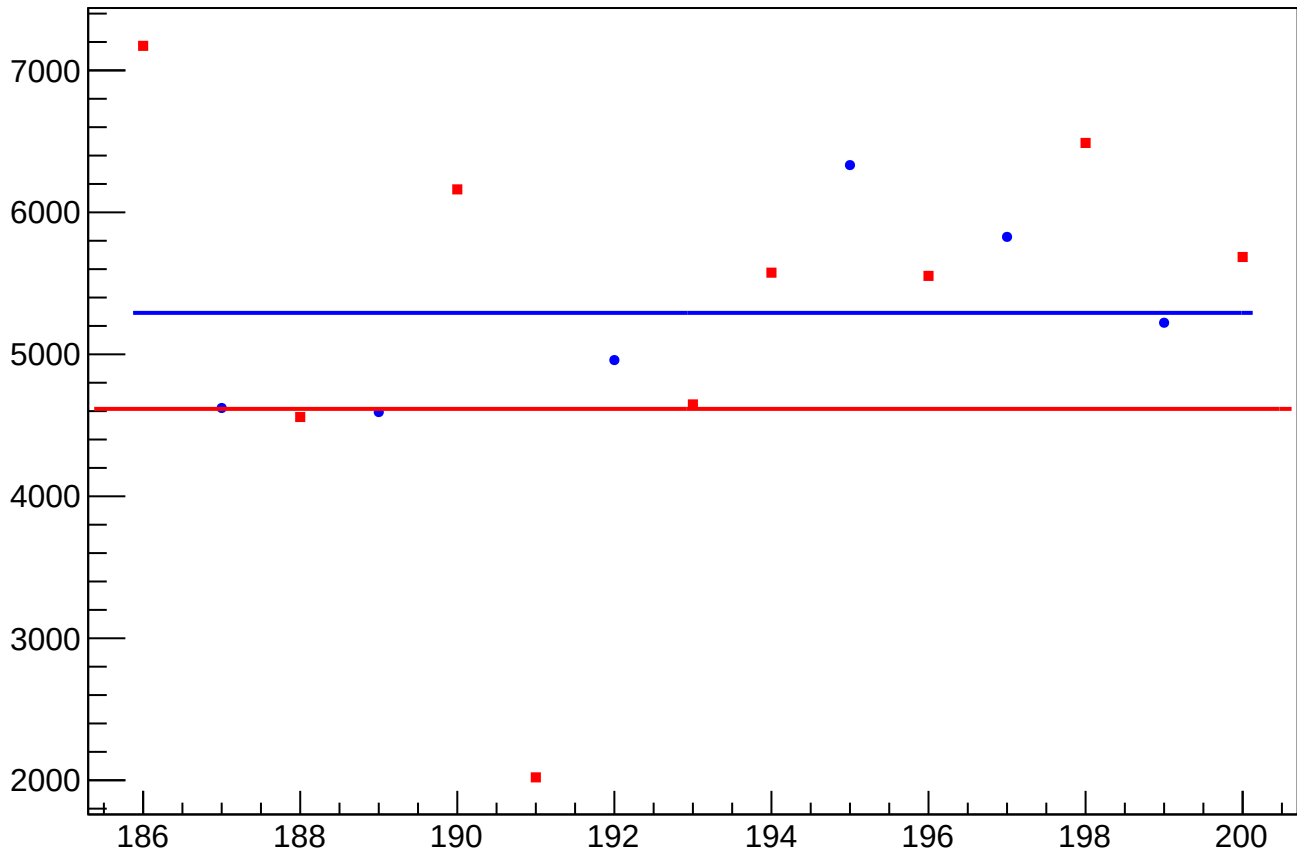
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -5660.016+/-1617.167 χ^2 /NDF: 12.9/14

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5292.100+/-1.903 χ^2/NDF : 91759.2/5

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

Right Out: 4615.807+/-1.431 χ^2/NDF : 1171000.8/8

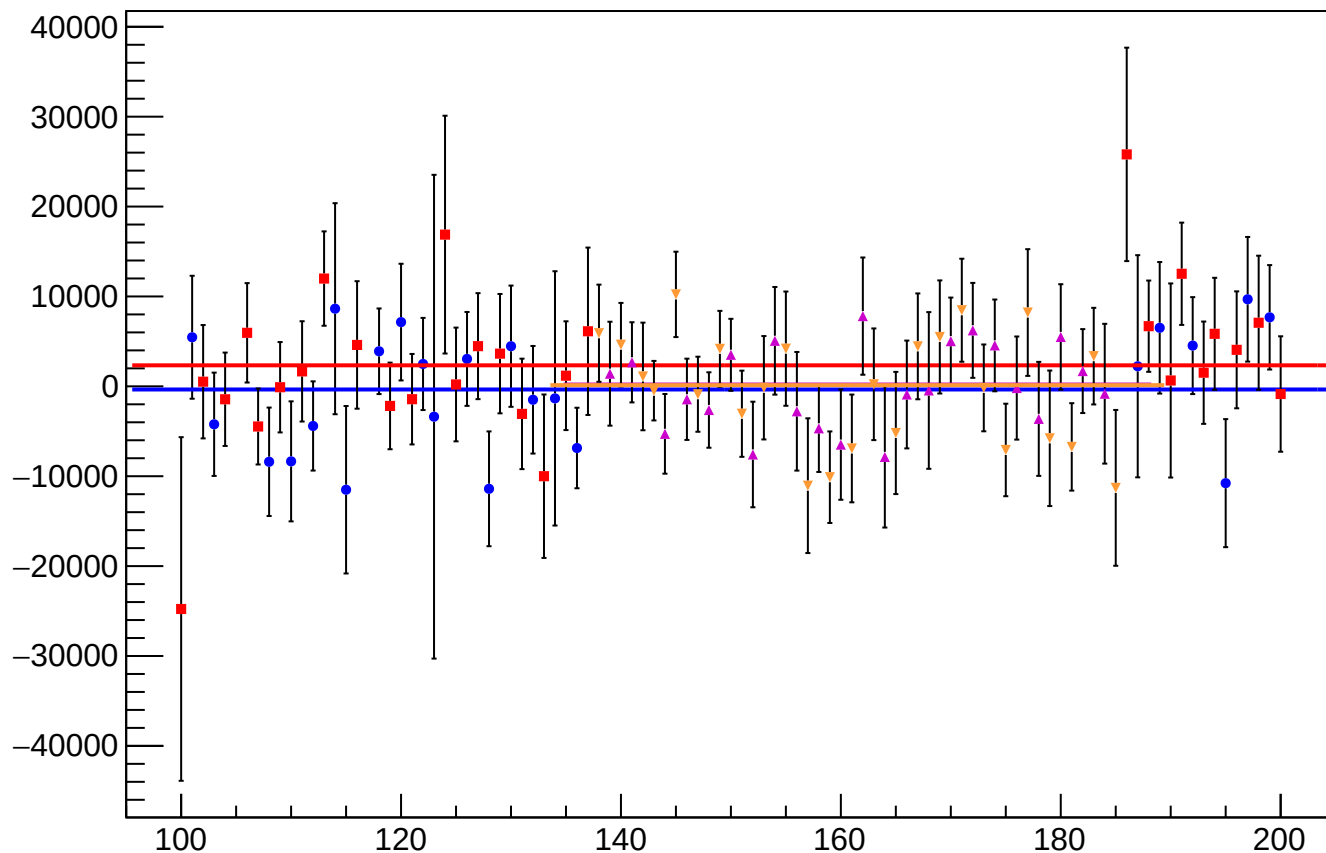
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4859.985+/-1.144 χ^2/NDF : 1343451.3/14

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -350.388+/-1331.669 χ^2/NDF : 23.5/22

Left Out: 132.142+/-1065.543 χ^2/NDF : 28.1/24

Right Out: 2337.795+/-1169.187 χ^2/NDF : 24.1/27

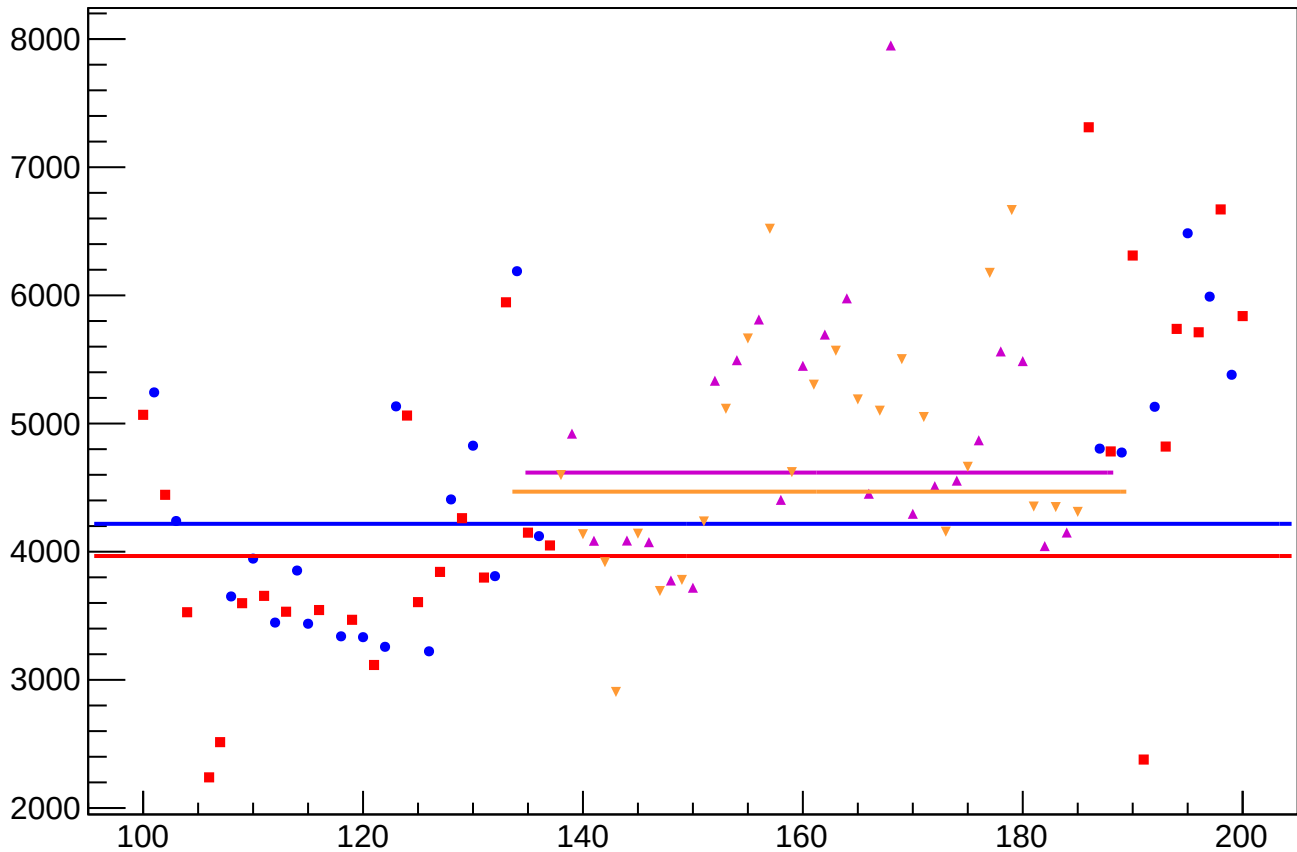
Left In: 200.182+/-1123.499 χ^2/NDF : 14.7/22

+ sign -56.207+/-831.986 χ^2/NDF : 51.7/47

All: 602.188+/-580.412 χ^2/NDF : 93.5/98

- sign 1226.408+/-810.104 χ^2/NDF : 40.5/50

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4217.506 $\pm$ 0.942 χ^2 /NDF: 934212.6/22

Left Out: 4468.520 $\pm$ 0.753 χ^2 /NDF:1380601.0/24

Right Out: 3966.359 $\pm$ 0.821 χ^2 /NDF: 2005305.9/27

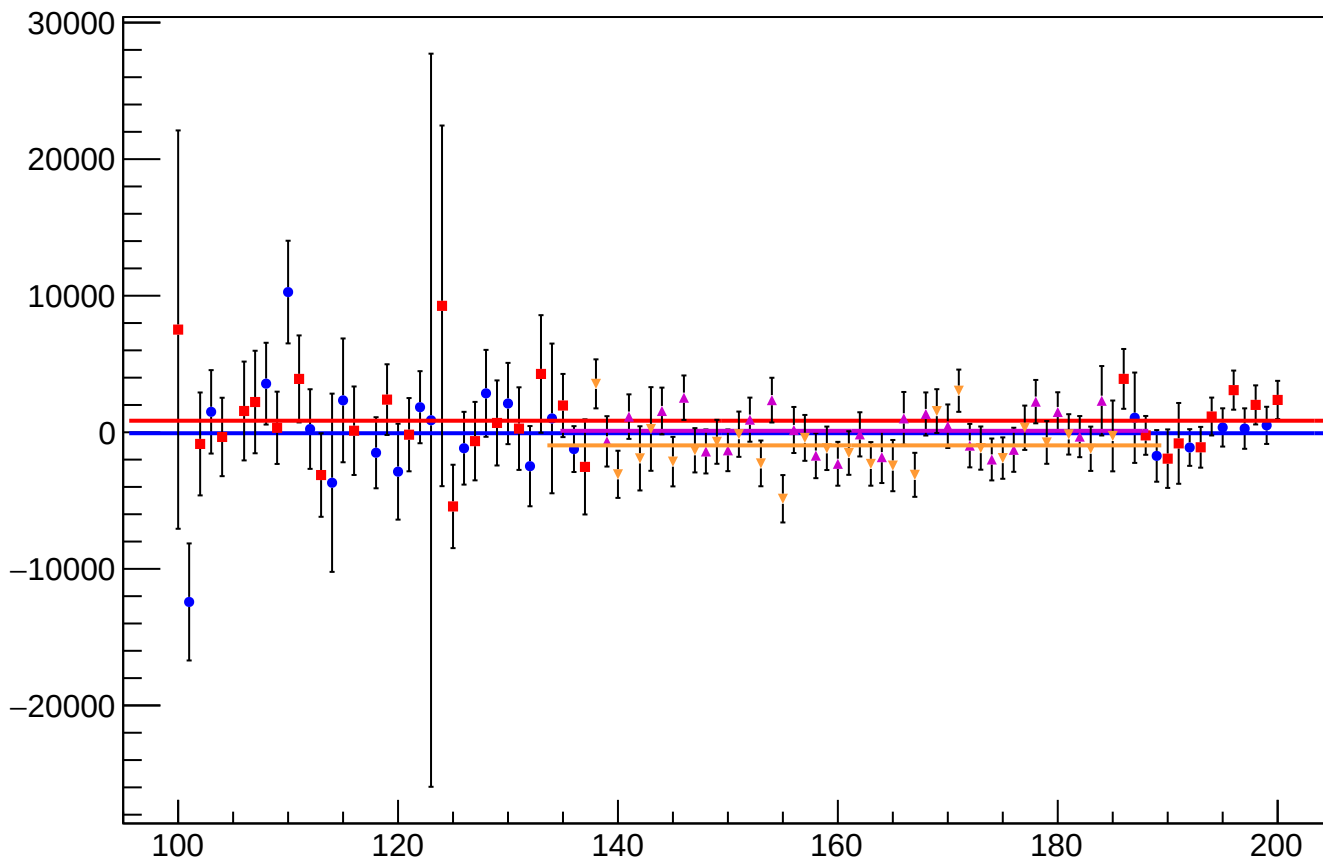
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 4370.537 $\pm$ 0.588 χ^2 /NDF: 2358138.0/47

All: 4335.584 $\pm$ 0.410 χ^2 /NDF: 5694414.9/98

- sign 4302.653 $\pm$ 0.571 χ^2 /NDF: 3329421.0/50

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -68.453+/-488.252 χ^2/NDF : 24.2/22

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 846.976+/-432.895 χ^2/NDF : 21.3/27

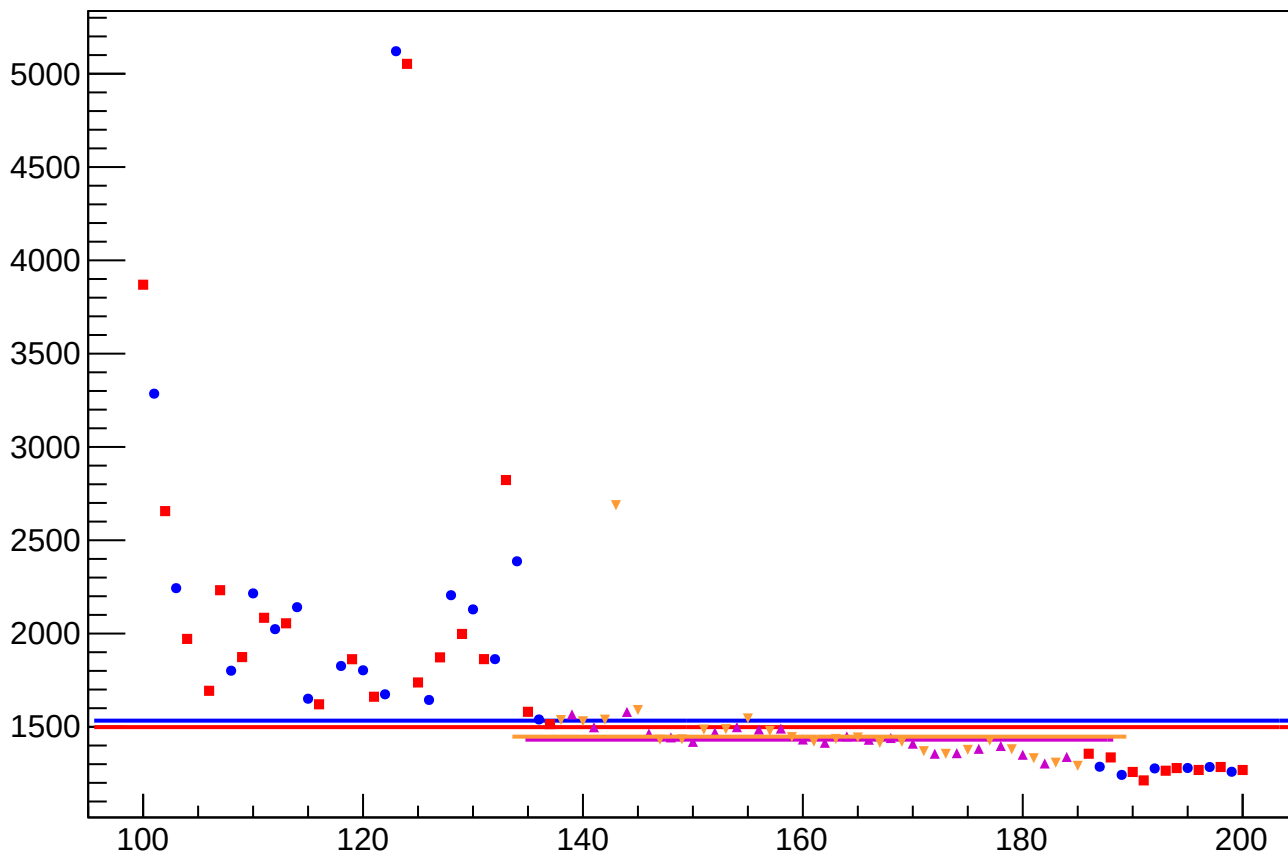
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -668.363+/-278.736 χ^2/NDF : 55.0/47

All: -118.936+/-193.621 χ^2/NDF : 105.0/98

- sign 393.381+/-269.158 χ^2/NDF : 42.5/50

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1533.290 ± 0.345 χ^2/NDF : 1258933.8/22

Left Out: 1447.554 ± 0.240 χ^2/NDF : 419254.7/24

Right Out: 1498.562 ± 0.306 χ^2/NDF : 1392654.9/27

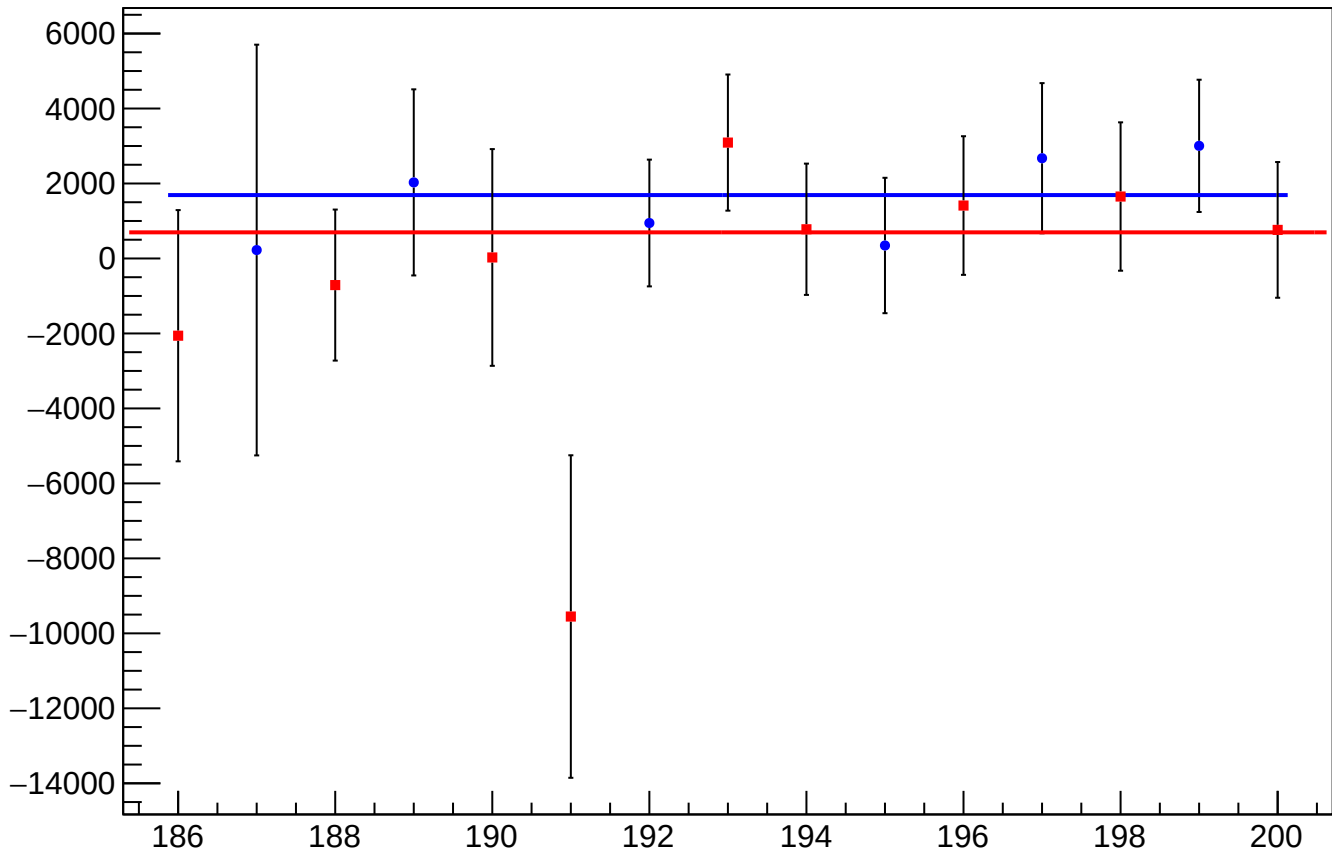
Left In: 1431.456 ± 0.243 χ^2/NDF : 75130.4/22

+ sign 1475.497 ± 0.197 χ^2/NDF : 1719758.4/47

All: 1466.131 ± 0.137 χ^2/NDF : 3221388.5/98

- sign 1457.398 ± 0.190 χ^2/NDF : 1497266.8/50

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1691.108 $\pm$ 838.333 χ^2 /NDF: 1.6/5

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

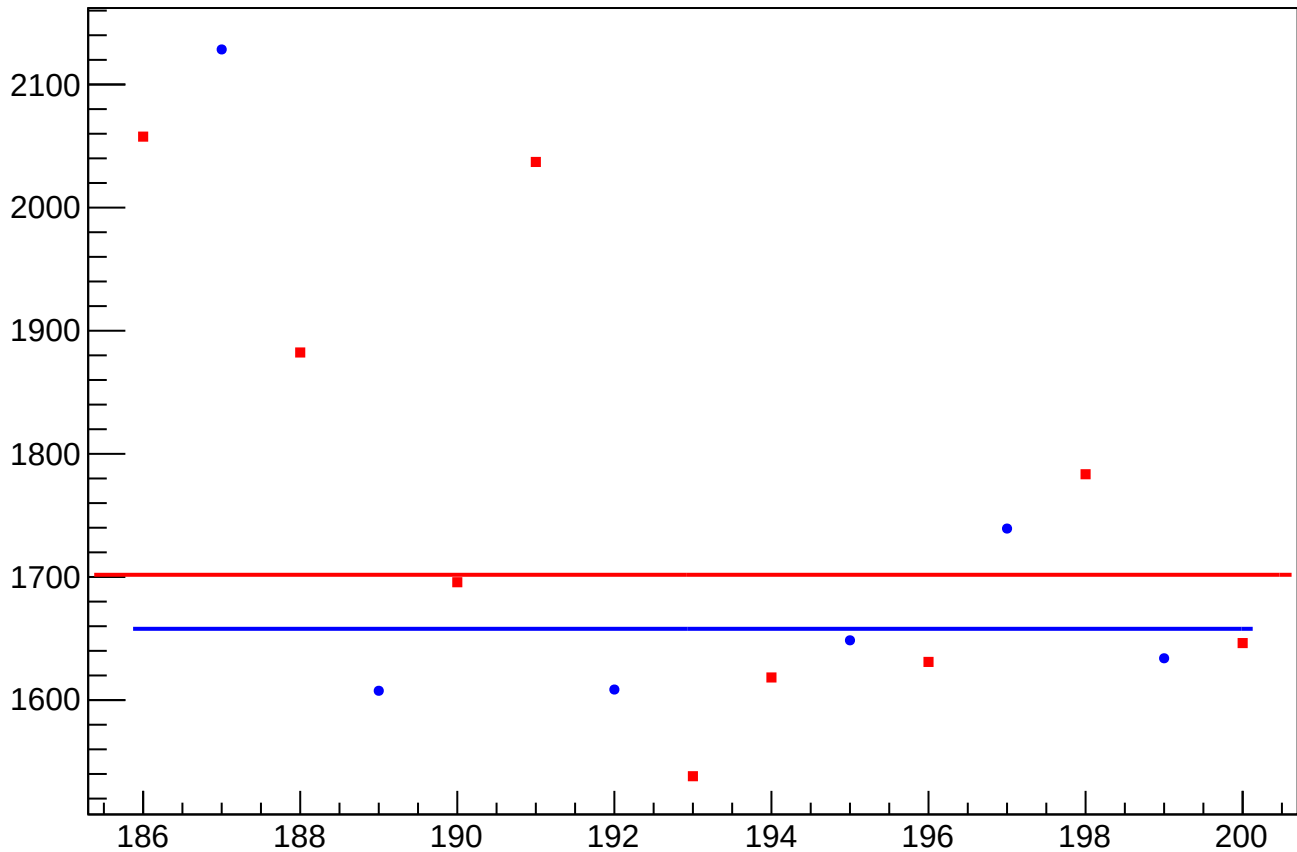
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1111.129 $\pm$ 541.179 χ^2 /NDF: 11.5/14

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1657.896 $\pm$ 0.593 χ^2 /NDF: 21008.4/5

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1701.775 $\pm$ 0.501 χ^2 /NDF: 79768.7/8

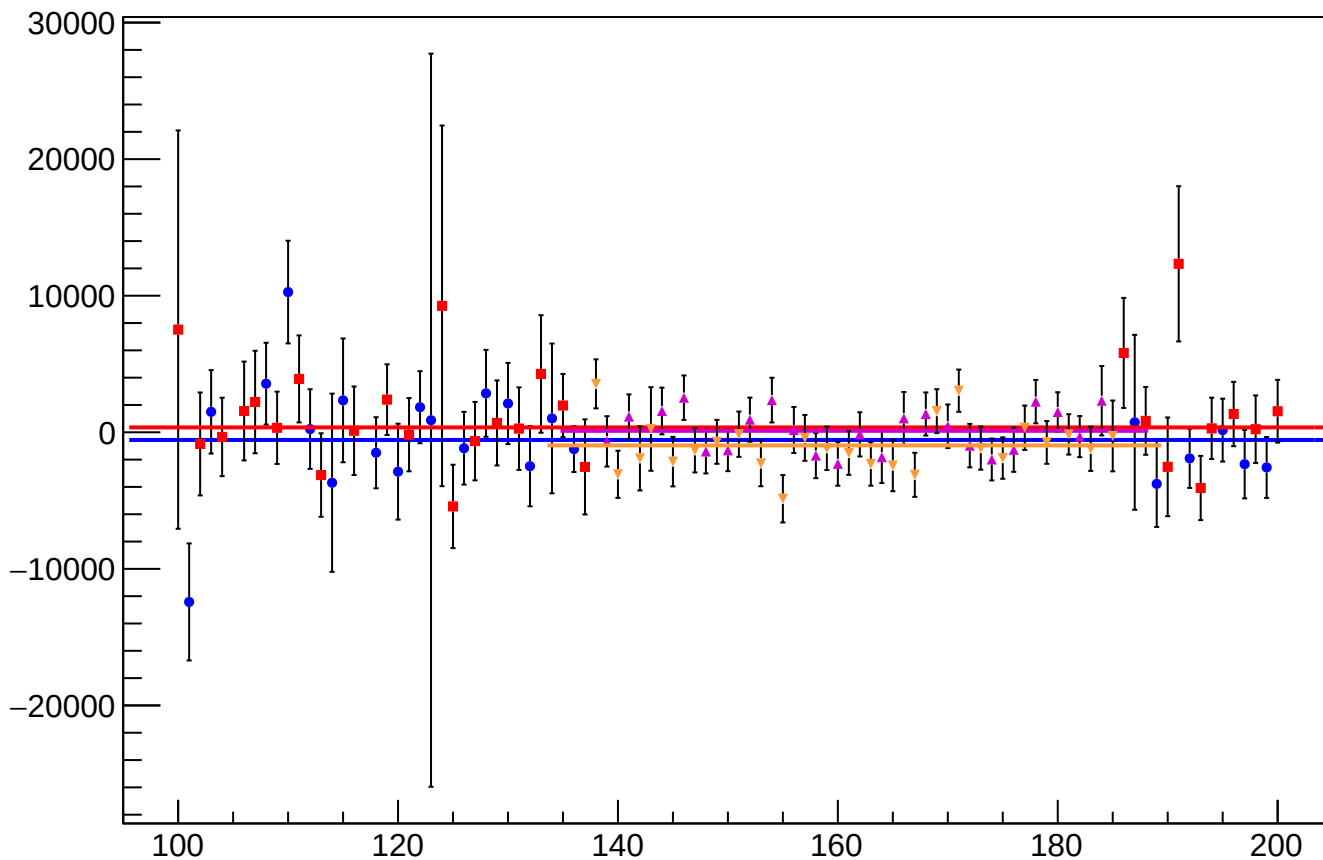
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1683.490 $\pm$ 0.383 χ^2 /NDF: 103973.0/14

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -561.234+/-614.193 χ^2/NDF : 26.0/22

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 357.129+/-568.862 χ^2/NDF : 21.1/27

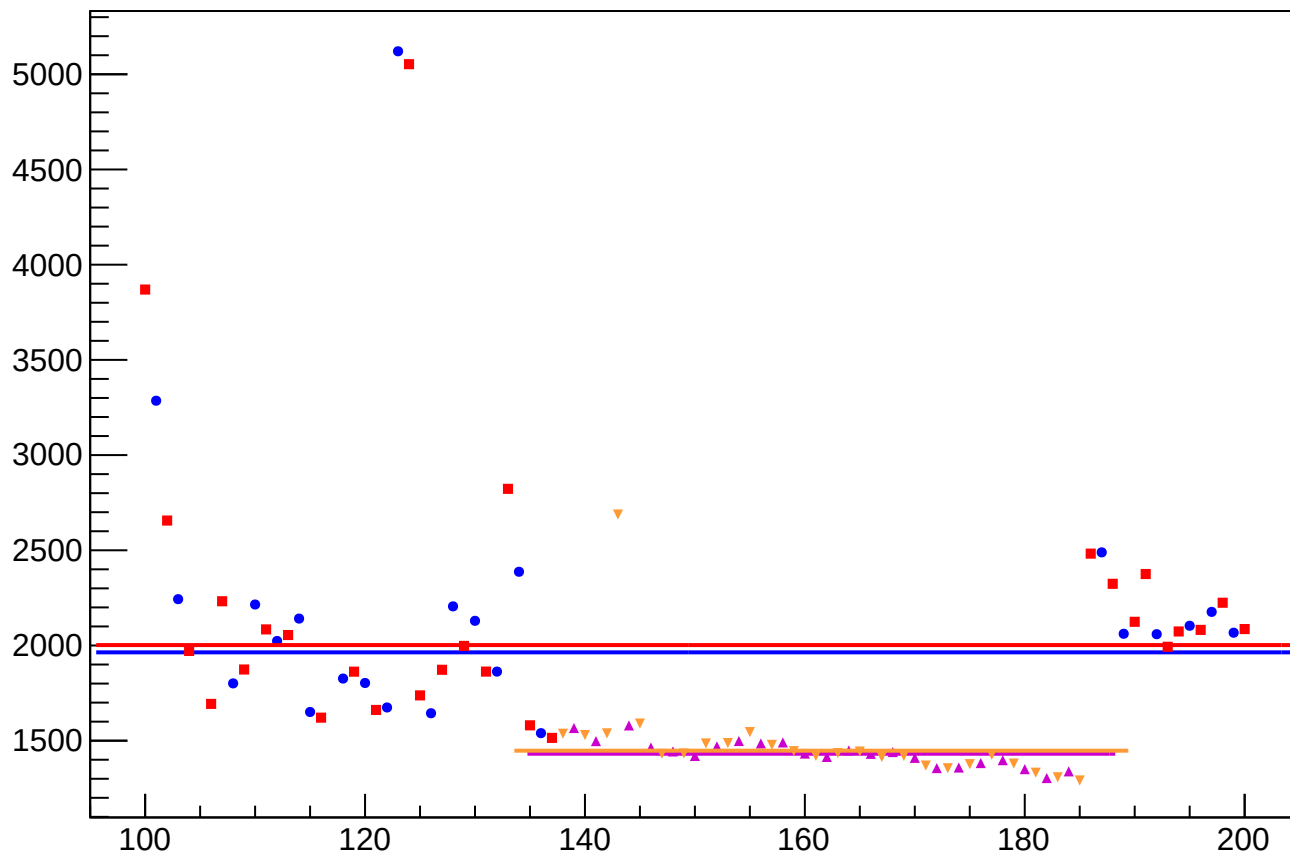
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -865.459+/-297.126 χ^2/NDF : 54.8/47

All: -340.372+/-209.040 χ^2/NDF : 101.7/98

- sign 174.255+/-294.152 χ^2/NDF : 40.7/50

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1963.974+/-0.434 χ^2/NDF : 529073.8/22

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 2002.165+/-0.402 χ^2/NDF : 592429.3/27

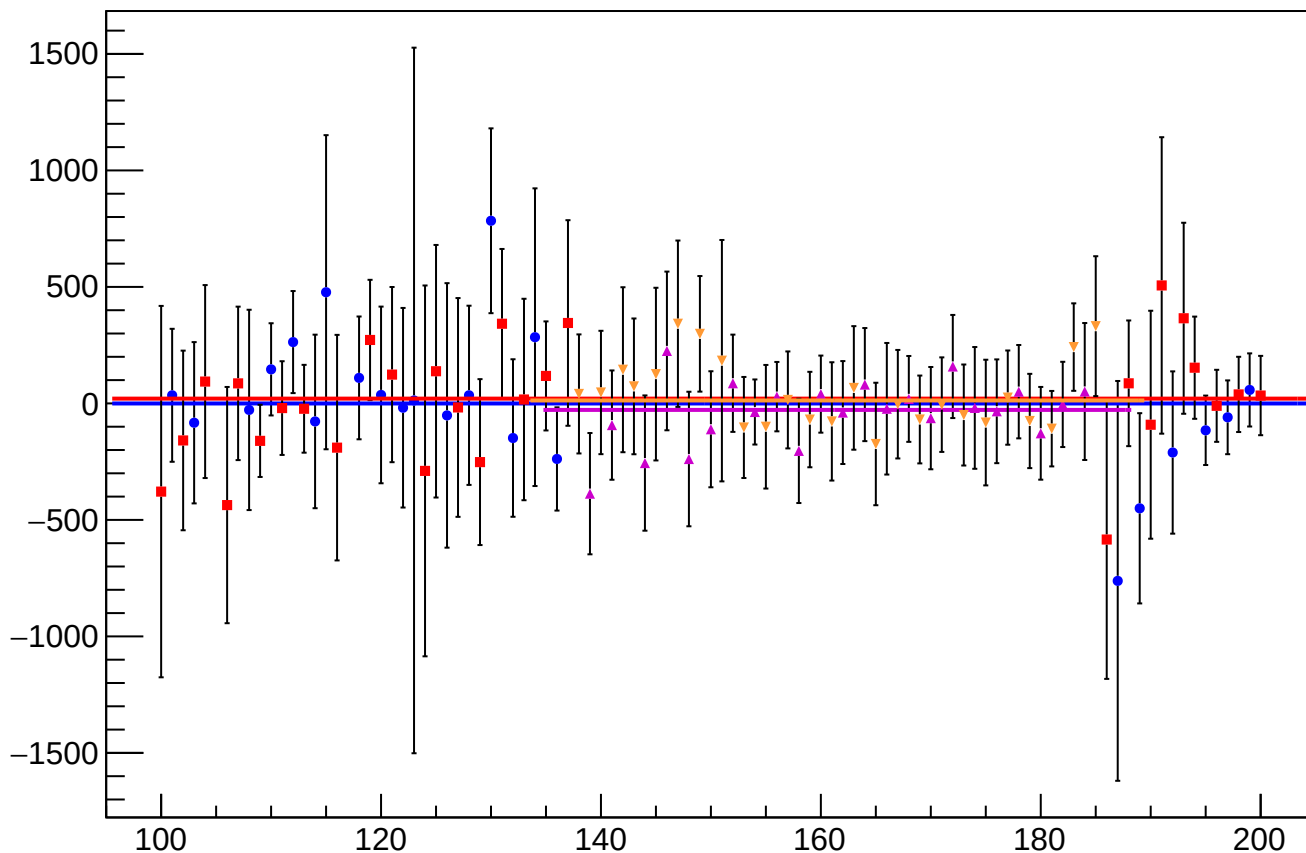
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1568.413+/-0.210 χ^2/NDF : 2031354.9/47

All: 1576.312+/-0.148 χ^2/NDF : 4176505.2/98

- sign 1584.054+/-0.208 χ^2/NDF : 2142351.2/50

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -0.246 ± 57.928 χ^2/NDF : 11.5/22

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 20.550 ± 52.087 χ^2/NDF : 9.4/27

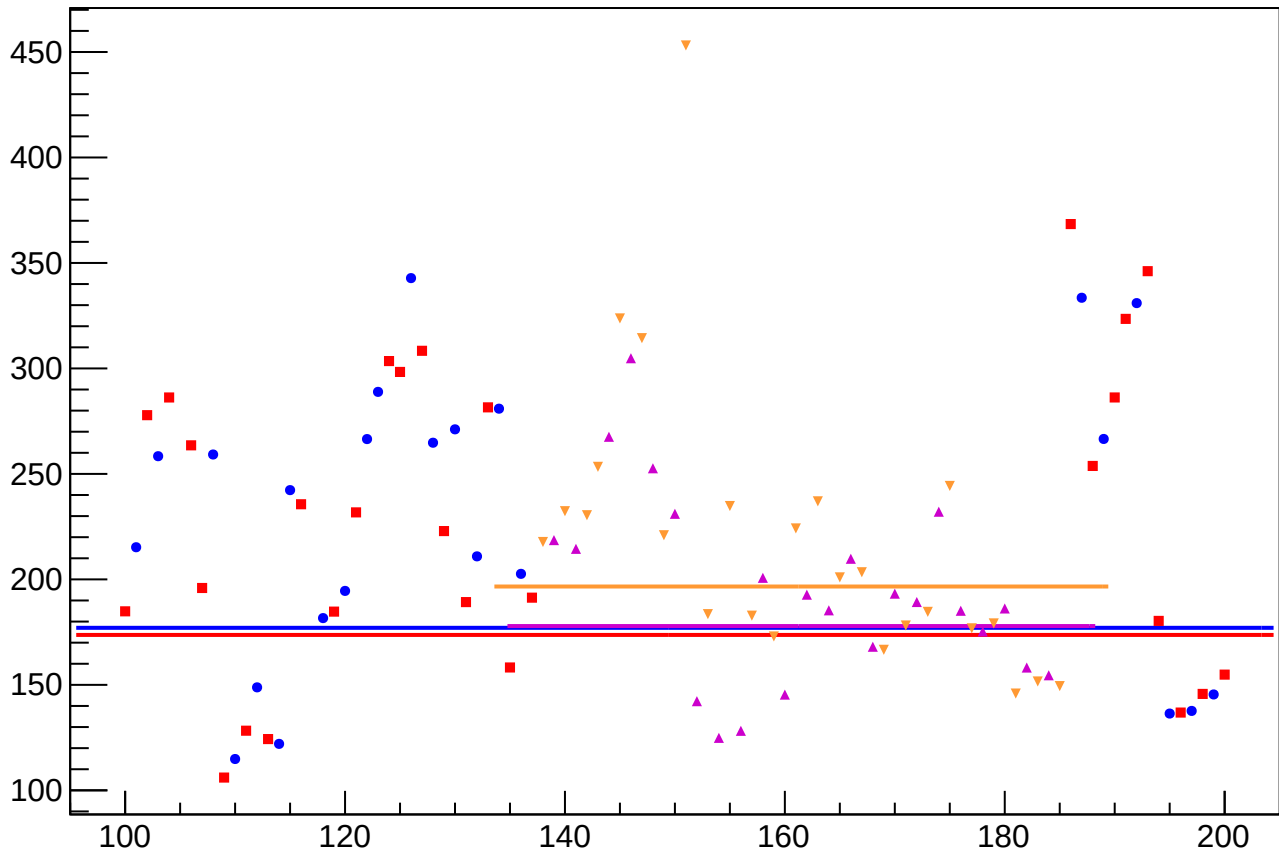
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign 7.448 ± 36.724 χ^2/NDF : 19.2/47

All: -0.612 ± 24.887 χ^2/NDF : 35.7/98

- 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: 177.042 $\pm$ 0.041 χ^2 /NDF: 2009542.1/22

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

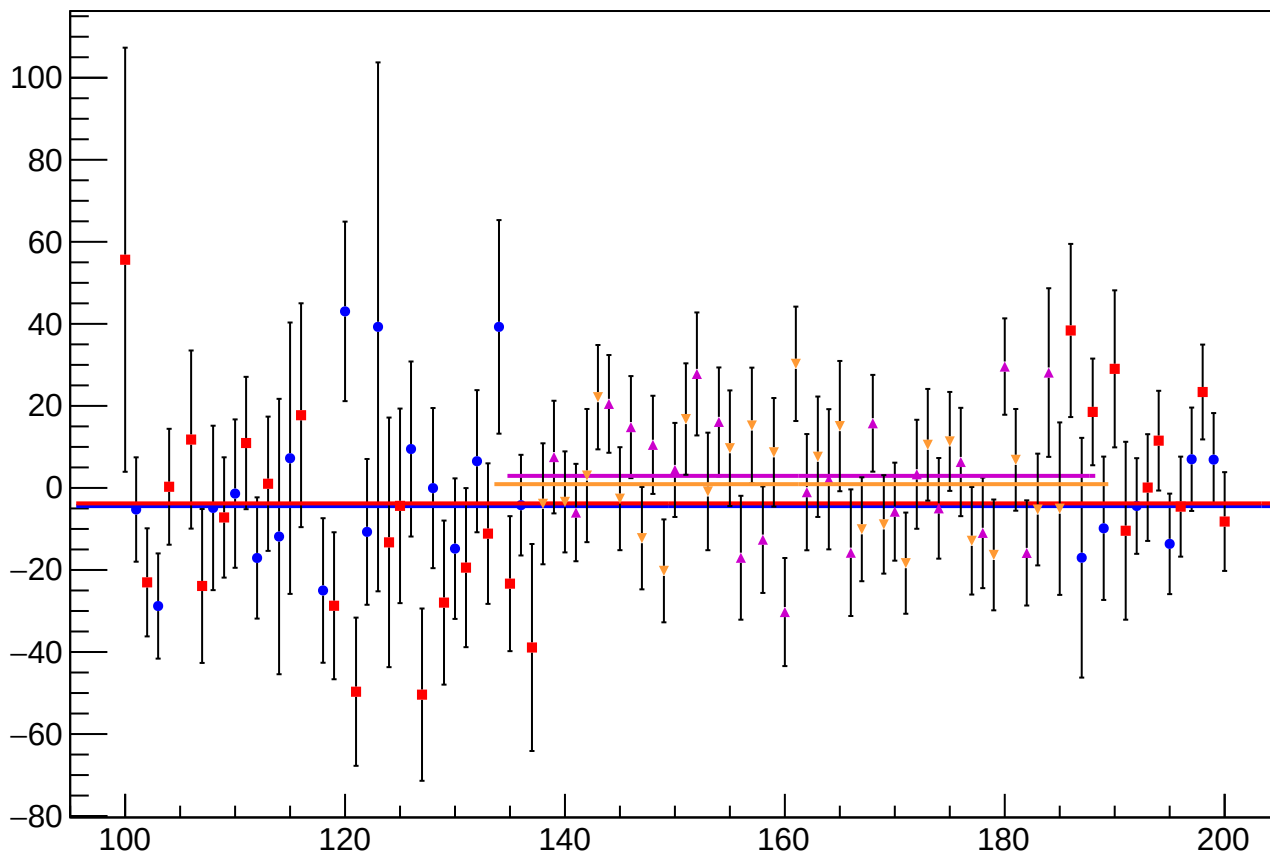
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 188.751 $\pm$ 0.026 χ^2 /NDF: 3939680.2/47

All: 181.910 $\pm$ 0.018 χ^2 /NDF: 8451517.6/98

- 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: -4.431 ± 3.428 χ^2/NDF : 17.9/22

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -3.768 ± 3.137 χ^2/NDF : 43.2/27

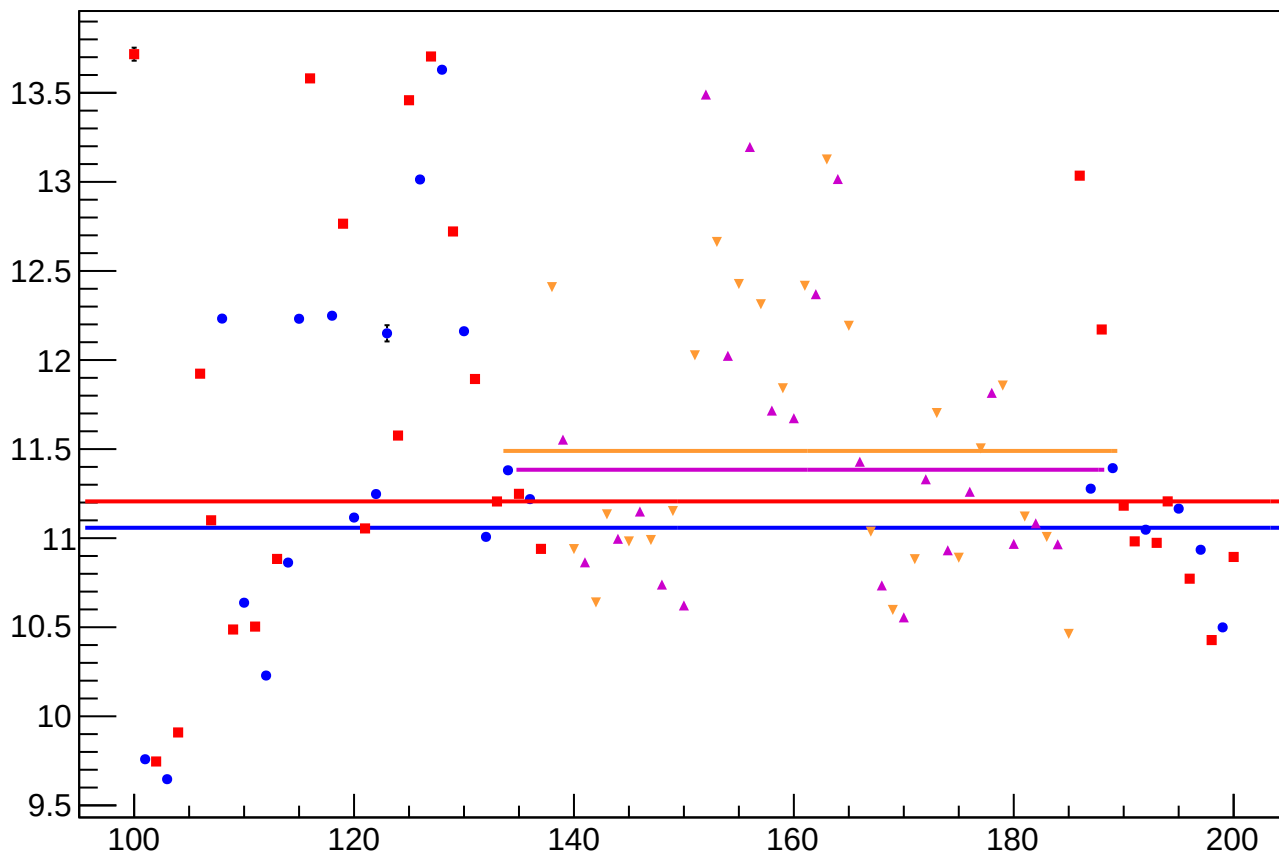
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign -1.125 ± 2.119 χ^2/NDF : 43.4/47

All: -0.532 ± 1.479 χ^2/NDF : 120.4/98

- sign 0.032 ± 2.066 χ^2/NDF : 76.8/50

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.058 $\pm$ 0.002 χ^2 /NDF: 138361.2/22

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

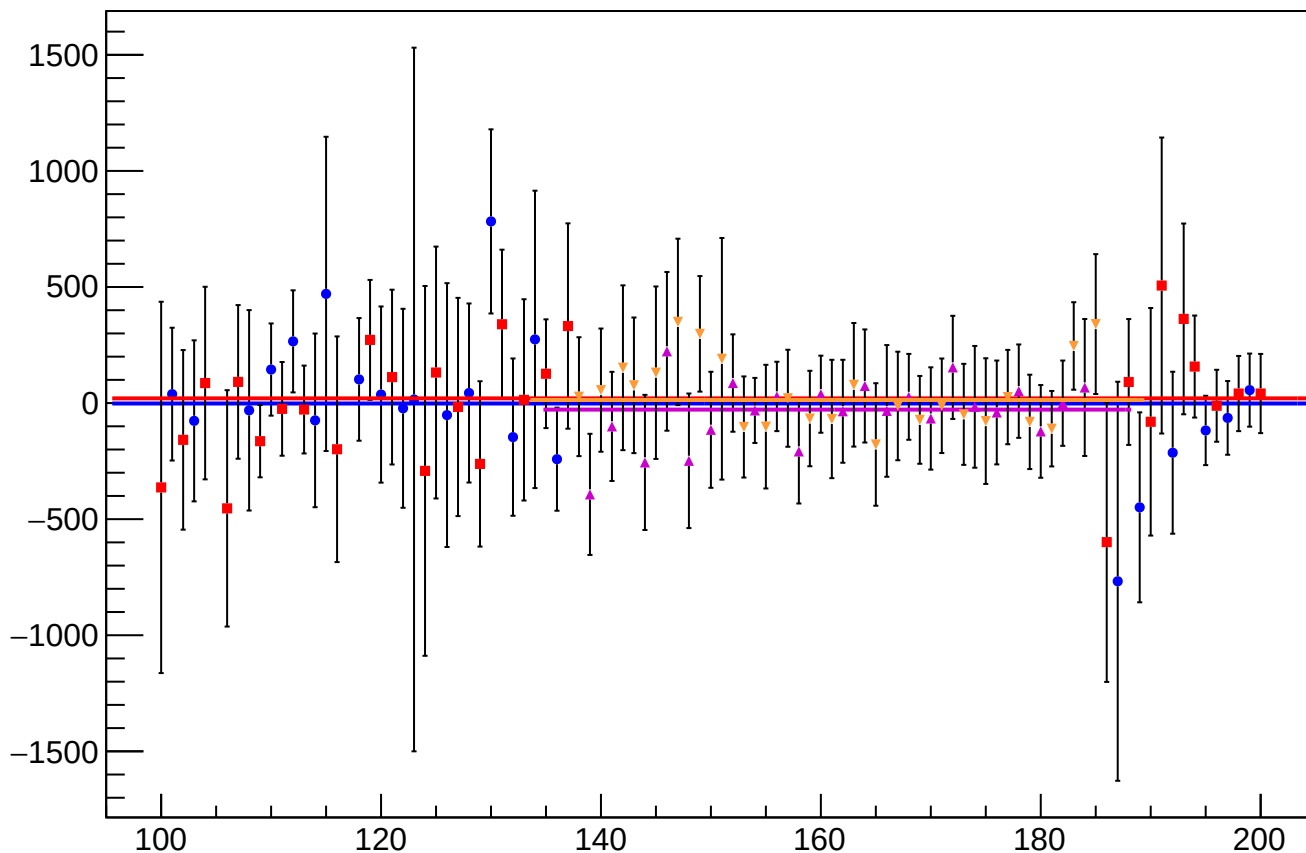
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.325 $\pm$ 0.001 χ^2 /NDF: 290328.6/47

All: 11.316 $\pm$ 0.001 χ^2 /NDF: 632685.0/98

- 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: -1.730 ± 58.078 χ^2/NDF : 11.5/22

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 20.321 ± 52.231 χ^2/NDF : 9.5/27

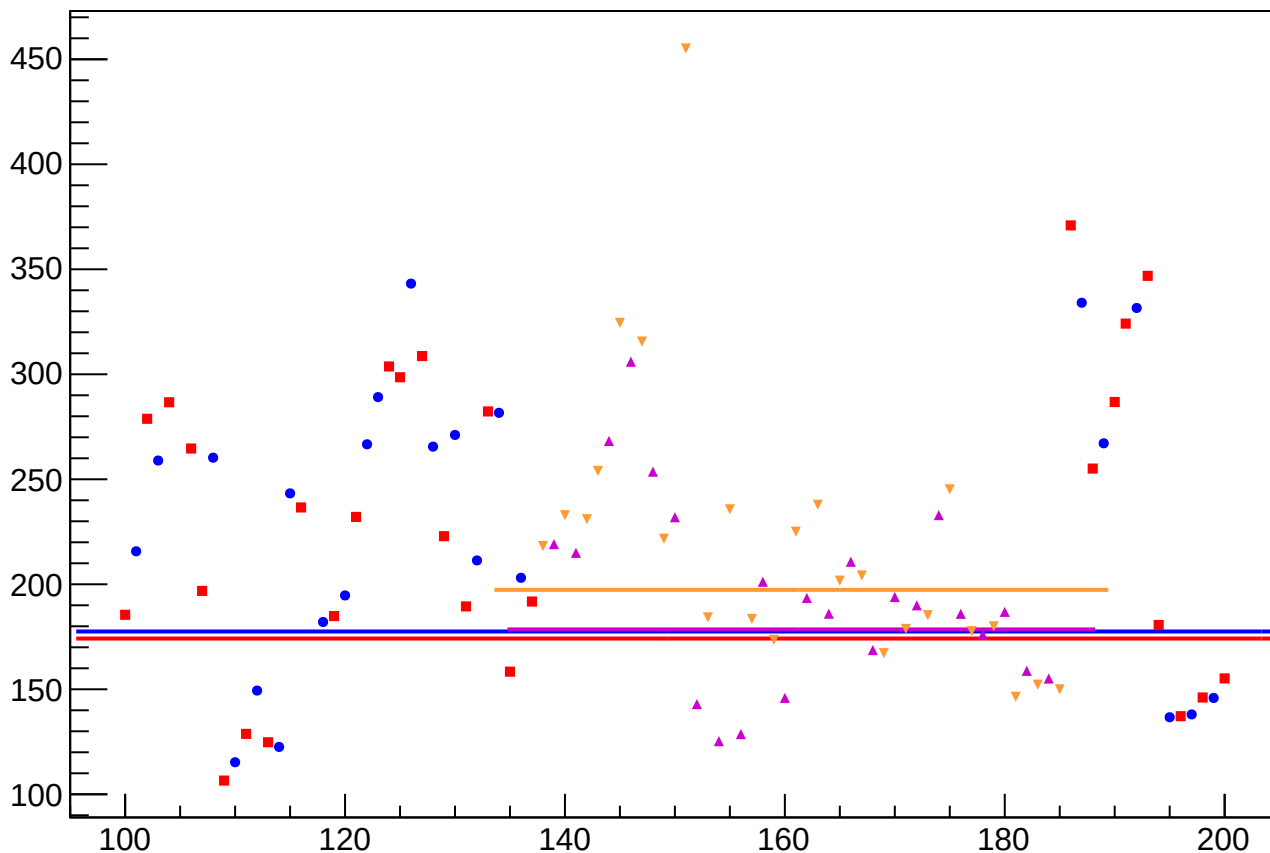
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign 7.265 ± 36.844 χ^2/NDF : 19.4/47

All: -0.779 ± 24.968 χ^2/NDF : 36.2/98

- 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: 177.525 $\pm$ 0.041 χ^2 /NDF: 2004094.0/22

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF: 1790824.5/24

Right Out: 174.165 $\pm$ 0.037 χ^2 /NDF: 2727711.3/27

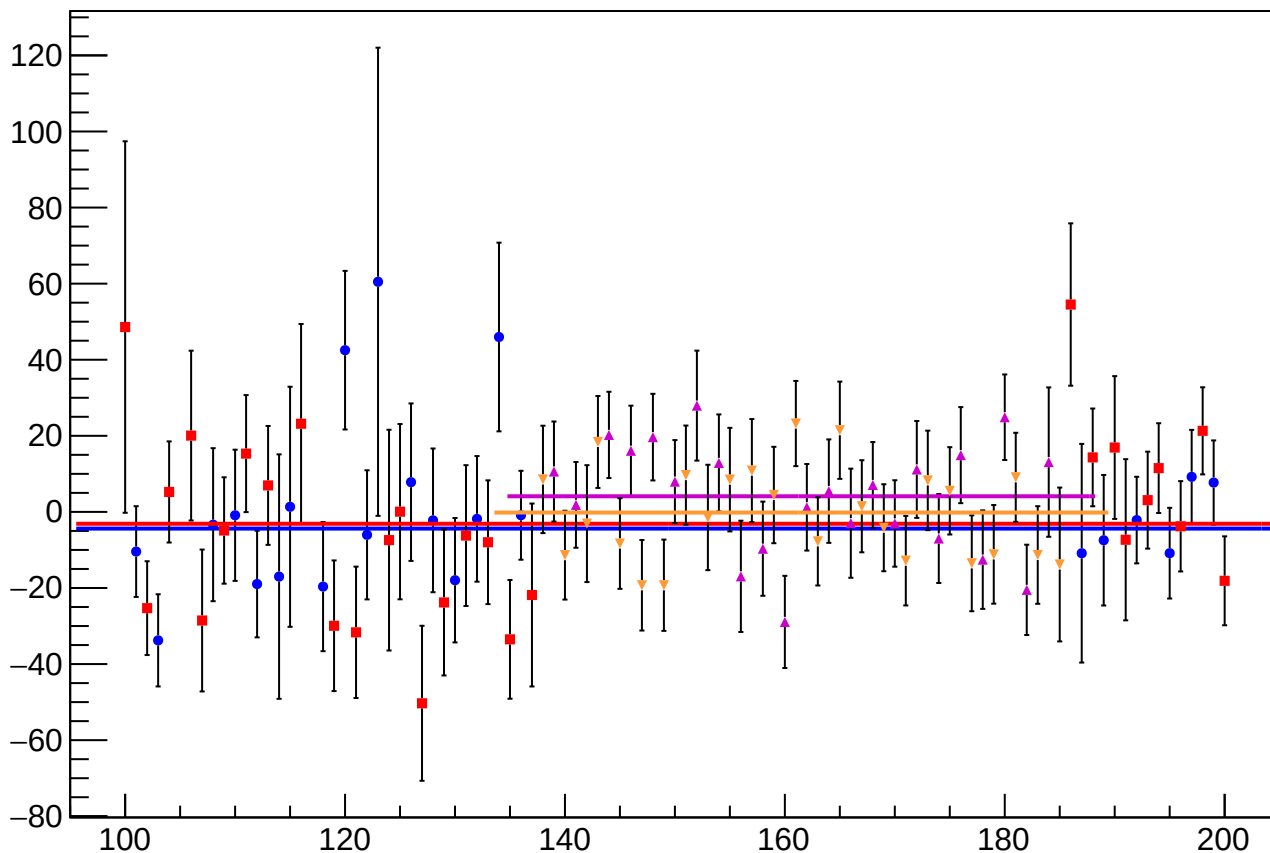
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF: 1642304.1/22

+ sign 189.375 $\pm$ 0.026 χ^2 /NDF: 3934251.9/47

All: 182.507 $\pm$ 0.018 χ^2 /NDF: 8440758.4/98

- sign 176.675 $\pm$ 0.024 χ^2 /NDF: 4378014.4/50

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -4.388 ± 3.300 $\chi^2/\text{NDF}: 22.5/22$

Left Out: -0.170 ± 2.520 $\chi^2/\text{NDF}: 24.4/24$

Right Out: -3.120 ± 3.034 $\chi^2/\text{NDF}: 45.1/27$

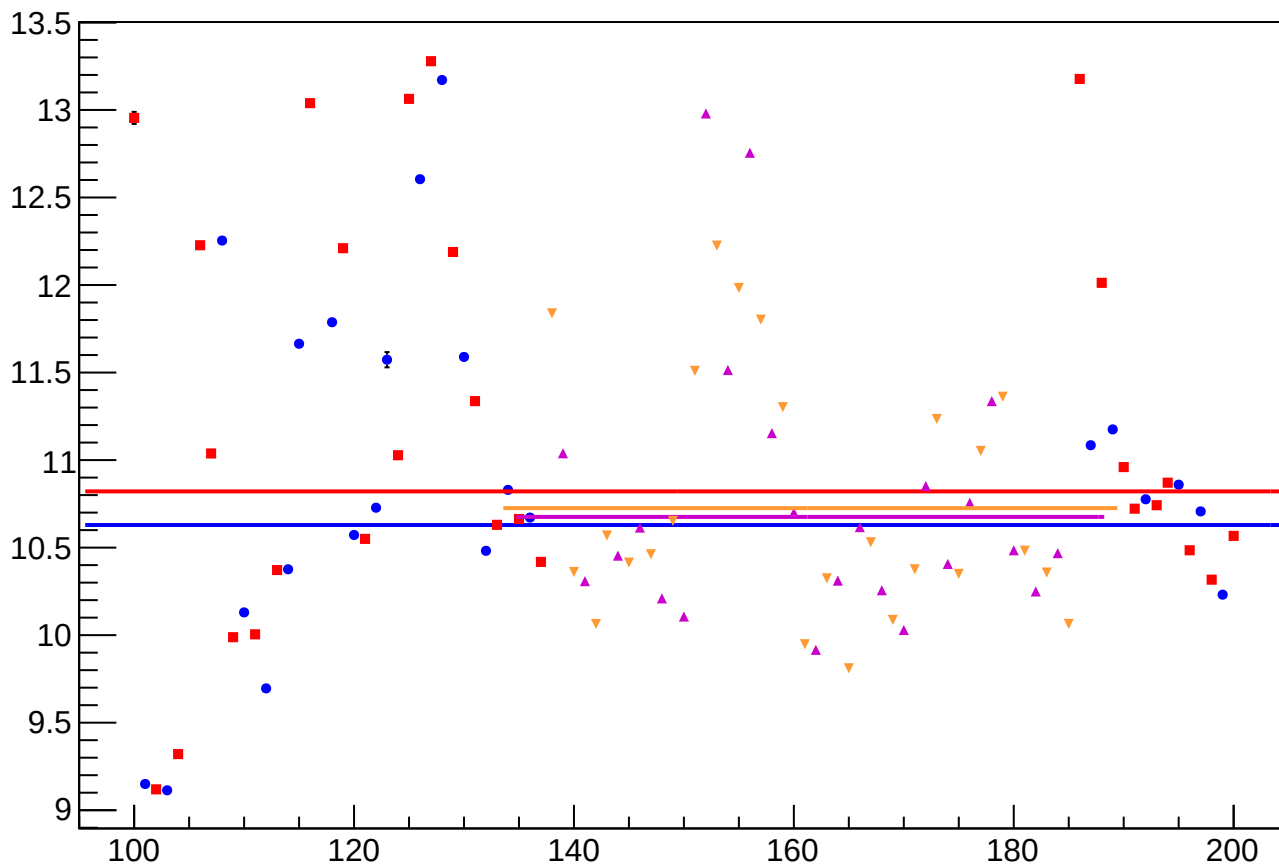
Left In: 4.107 ± 2.577 $\chi^2/\text{NDF}: 31.5/22$

+ sign -1.724 ± 2.003 $\chi^2/\text{NDF}: 47.9/47$

All: -0.296 ± 1.402 $\chi^2/\text{NDF}: 128.9/98$

- sign 1.078 ± 1.964 $\chi^2/\text{NDF}: 80.0/50$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.629 $\pm$ 0.002 χ^2 /NDF: 165699.6/22

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.821 $\pm$ 0.002 χ^2 /NDF: 227081.5/27

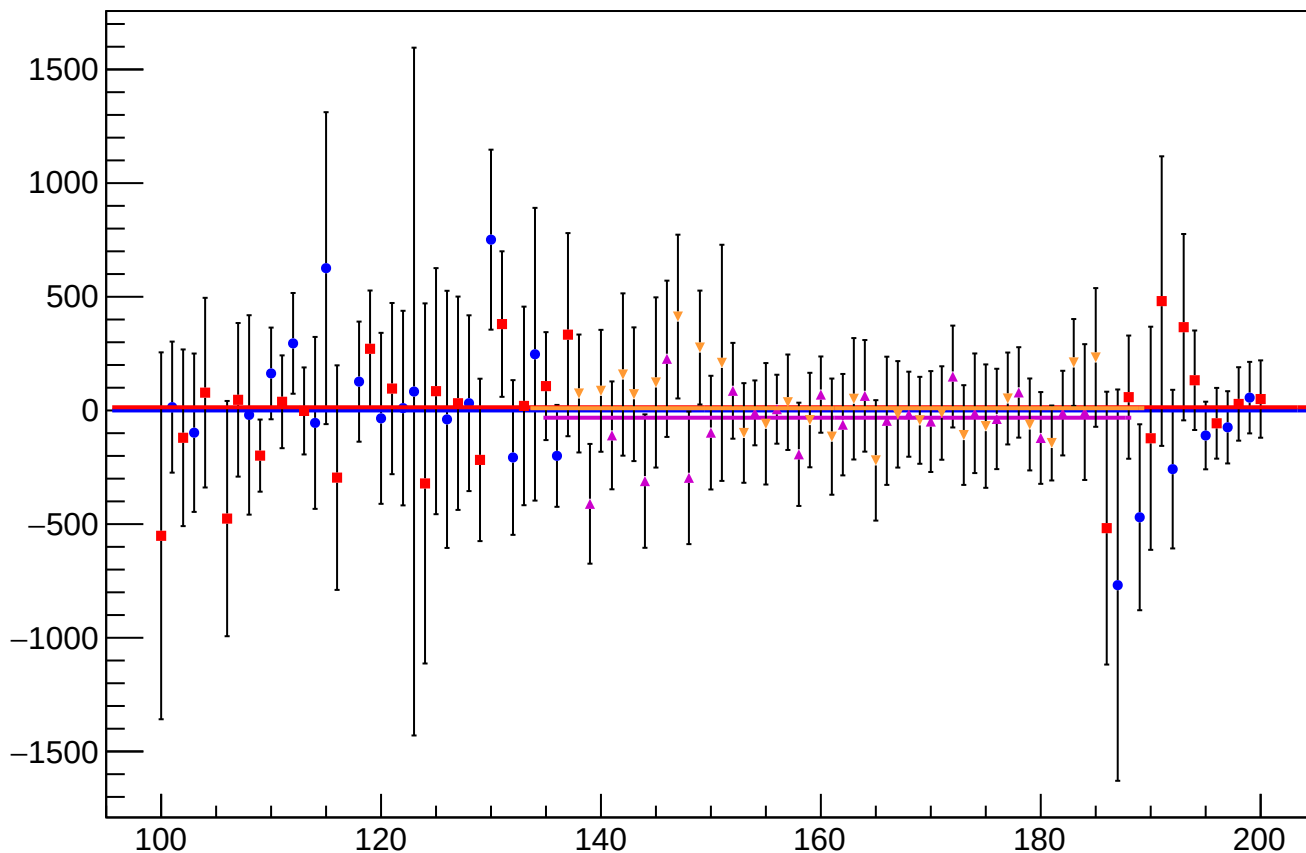
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.690 $\pm$ 0.001 χ^2 /NDF: 298946.6/47

All: 10.714 $\pm$ 0.001 χ^2 /NDF: 675200.5/98

- sign 10.737 $\pm$ 0.001 χ^2 /NDF: 375702.9/50

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -0.009 ± 58.245 $\chi^2/\text{NDF}: 12.1/22$

Left Out: 9.801 ± 47.979 $\chi^2/\text{NDF}: 7.5/24$

Right Out: 14.011 ± 52.487 $\chi^2/\text{NDF}: 10.1/27$

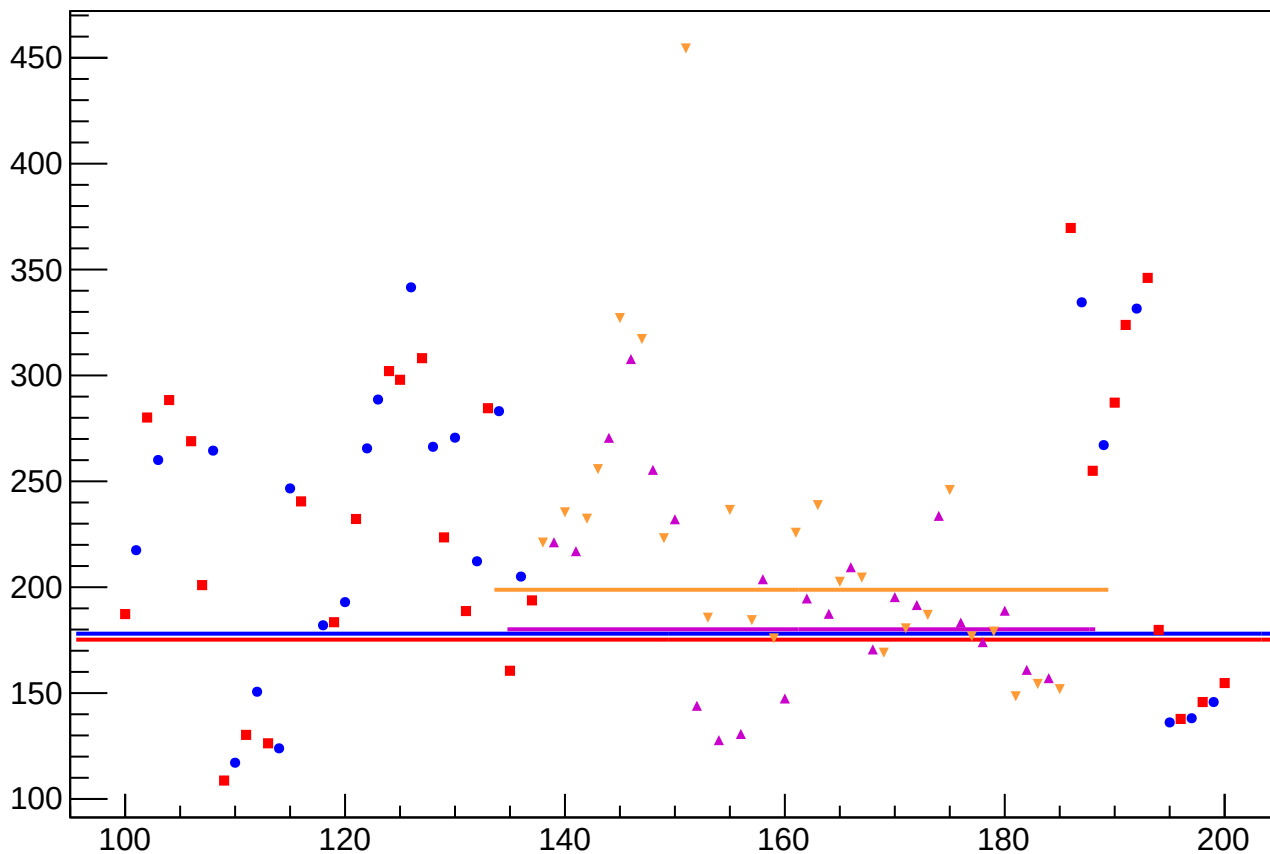
Left In: -31.989 ± 45.038 $\chi^2/\text{NDF}: 7.2/22$

+ sign 5.835 ± 37.032 $\chi^2/\text{NDF}: 19.6/47$

All: -4.056 ± 25.117 $\chi^2/\text{NDF}: 37.5/98$

- 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: 178.057 $\pm$ 0.041 χ^2 /NDF: 1998684.1/22

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

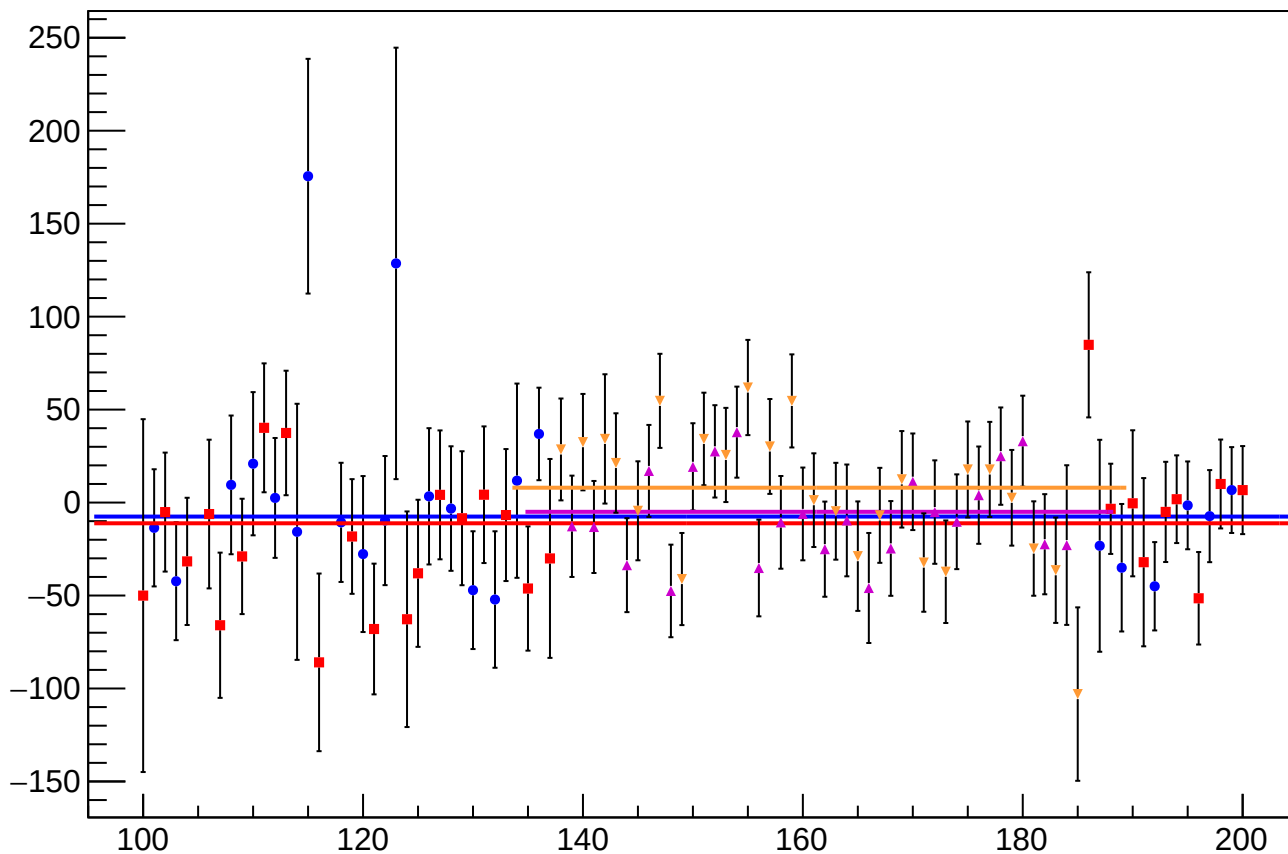
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF: 1593842.6/22

+ sign 190.415 $\pm$ 0.026 χ^2 /NDF: 3912924.4/47

All: 183.739 $\pm$ 0.018 χ^2 /NDF: 8317015.2/98

- 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: -7.536 ± 6.925 χ^2/NDF : 22.3/22

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -11.148 ± 6.272 χ^2/NDF : 25.9/27

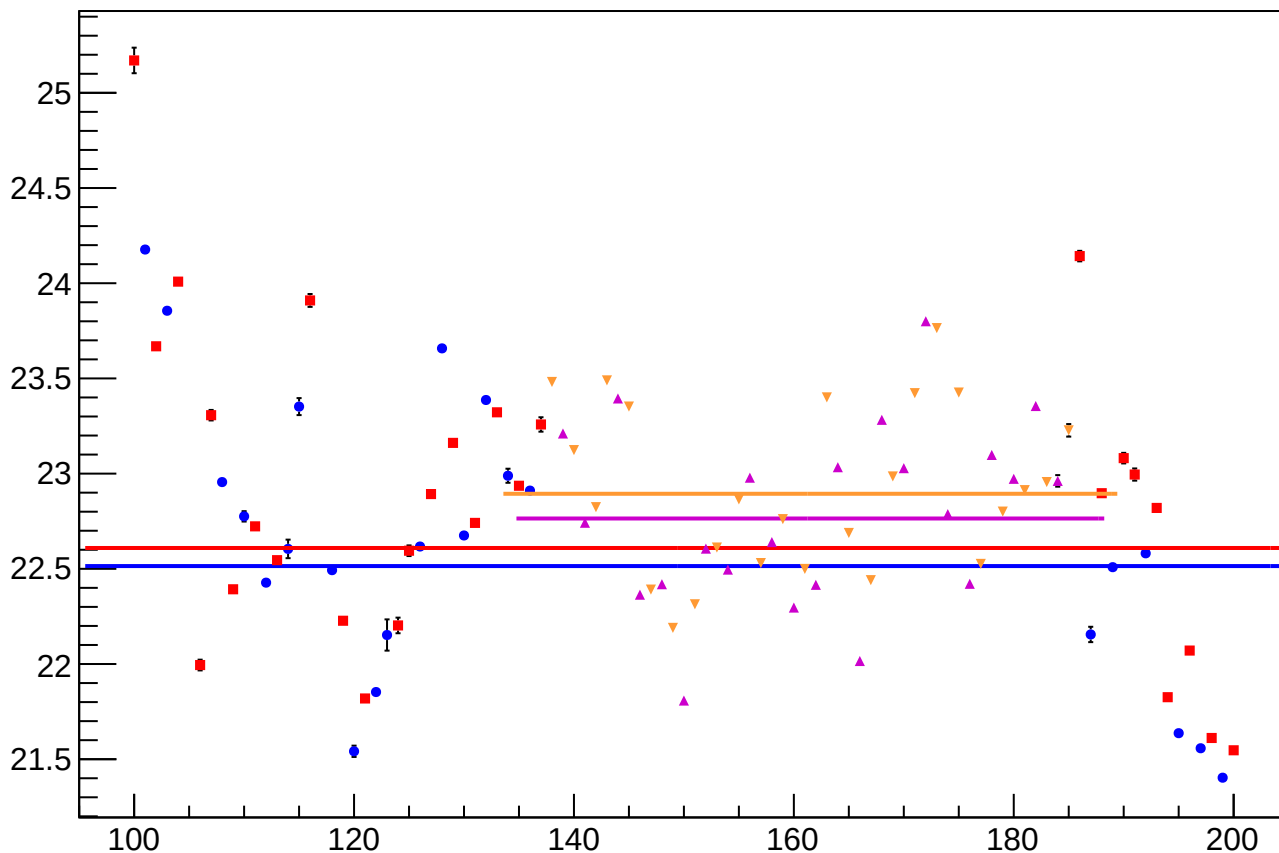
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 2.218 ± 4.222 χ^2/NDF : 62.9/47

All: -2.835 ± 2.946 χ^2/NDF : 112.6/98

- 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: 22.514 $\pm$ 0.005 χ^2 /NDF: 26389.2/22

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

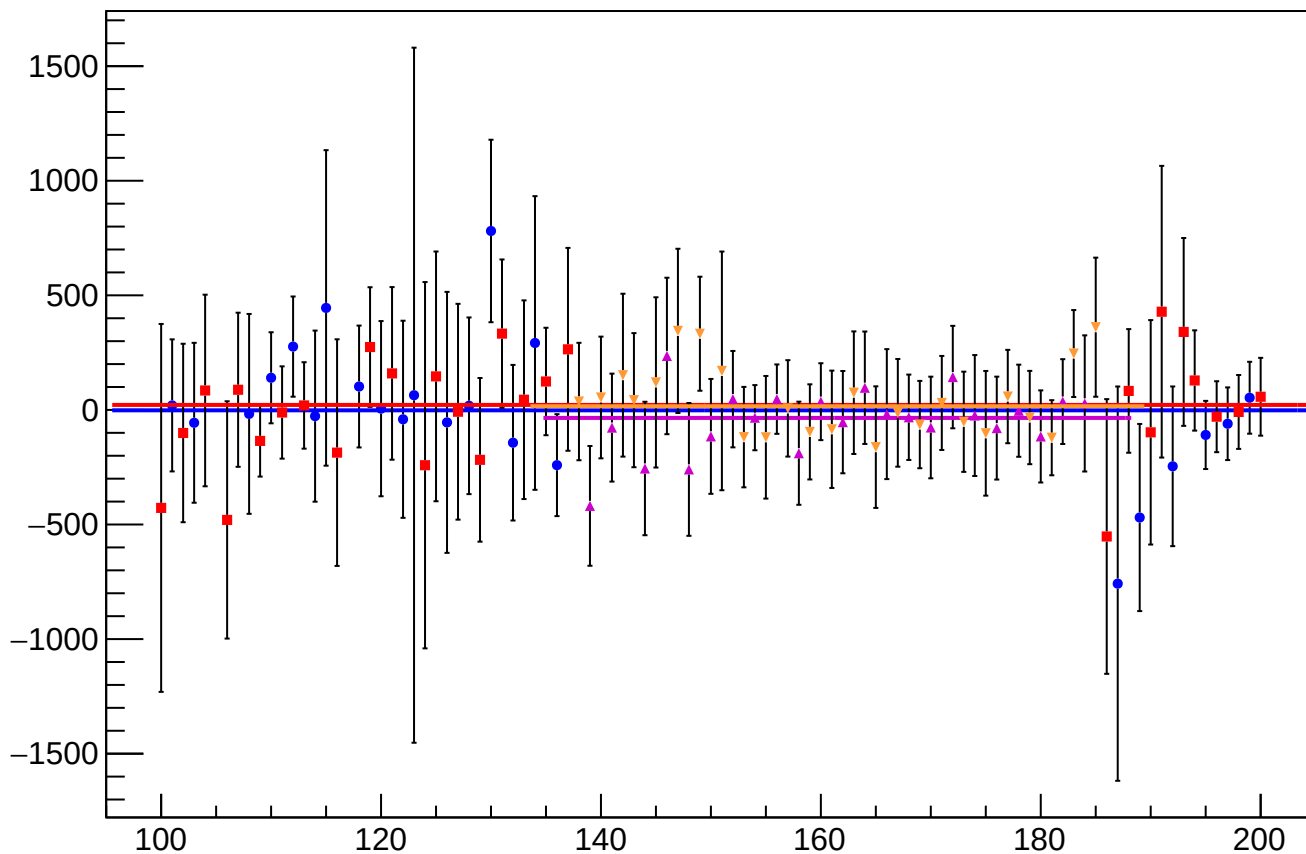
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.753 $\pm$ 0.003 χ^2 /NDF: 43236.6/47

All: 22.725 $\pm$ 0.002 χ^2 /NDF: 86402.7/98

- 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: -1.740 ± 58.065 χ^2/NDF : 11.5/22

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 21.812 ± 52.221 χ^2/NDF : 8.2/27

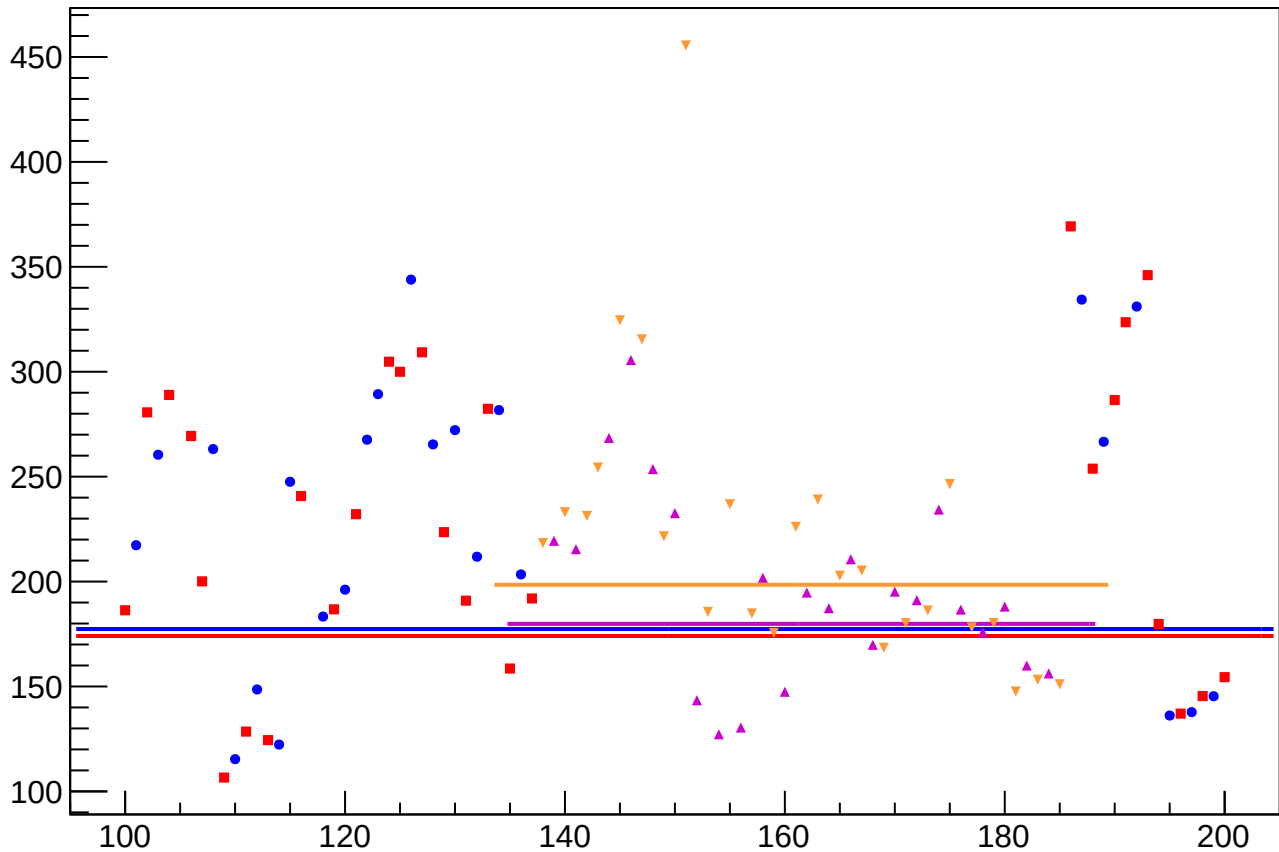
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign 8.759 ± 36.949 χ^2/NDF : 20.0/47

All: -1.790 ± 25.050 χ^2/NDF : 35.6/98

- 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: 177.377 $\pm$ 0.041 χ^2 /NDF: 2030769.4/22

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

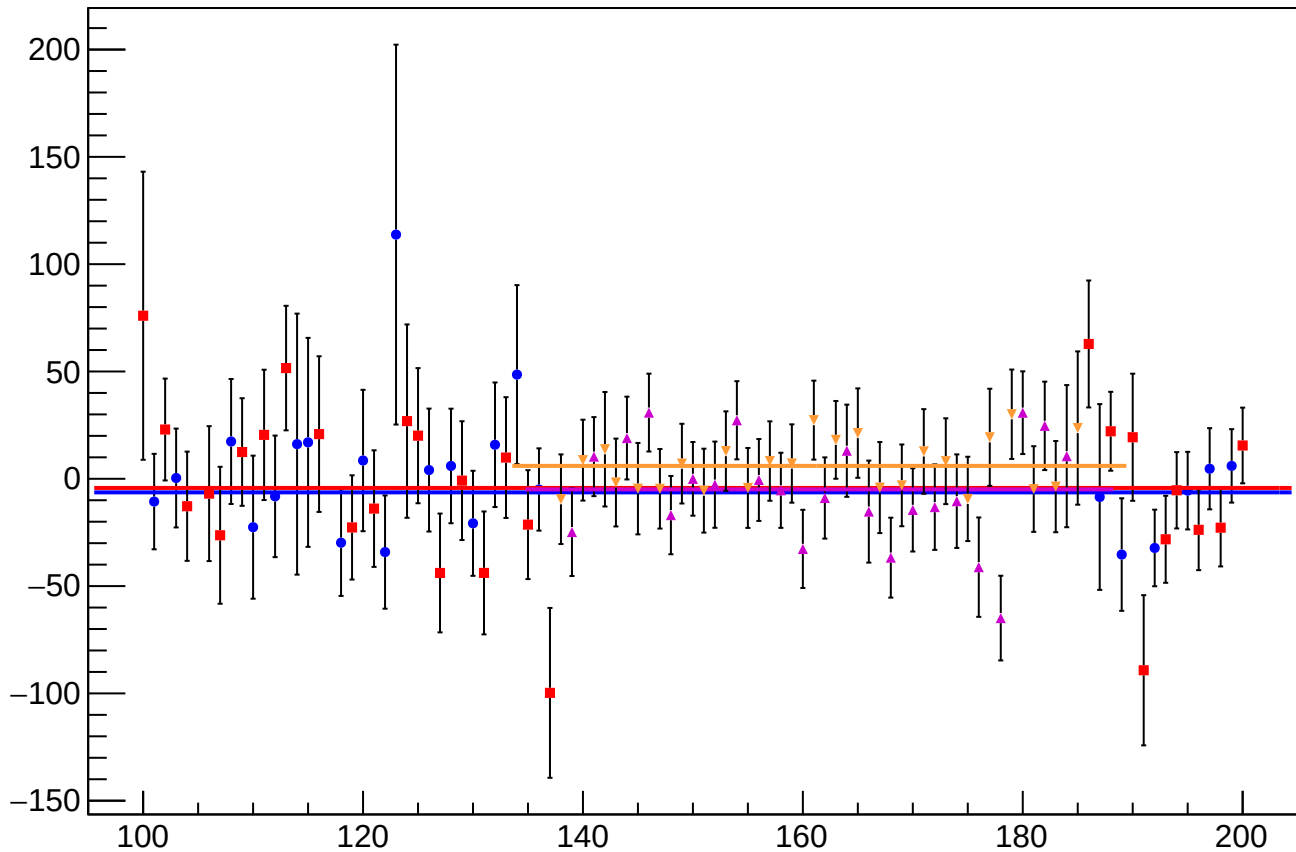
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF:1588834.3/22

+ sign 189.917 $\pm$ 0.026 χ^2 /NDF: 3948956.7/47

All: 183.140 $\pm$ 0.018 χ^2 /NDF: 8429151.0/98

- 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: -6.329 ± 5.329 χ^2/NDF : 12.6/22

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -4.259 ± 4.835 χ^2/NDF : 39.4/27

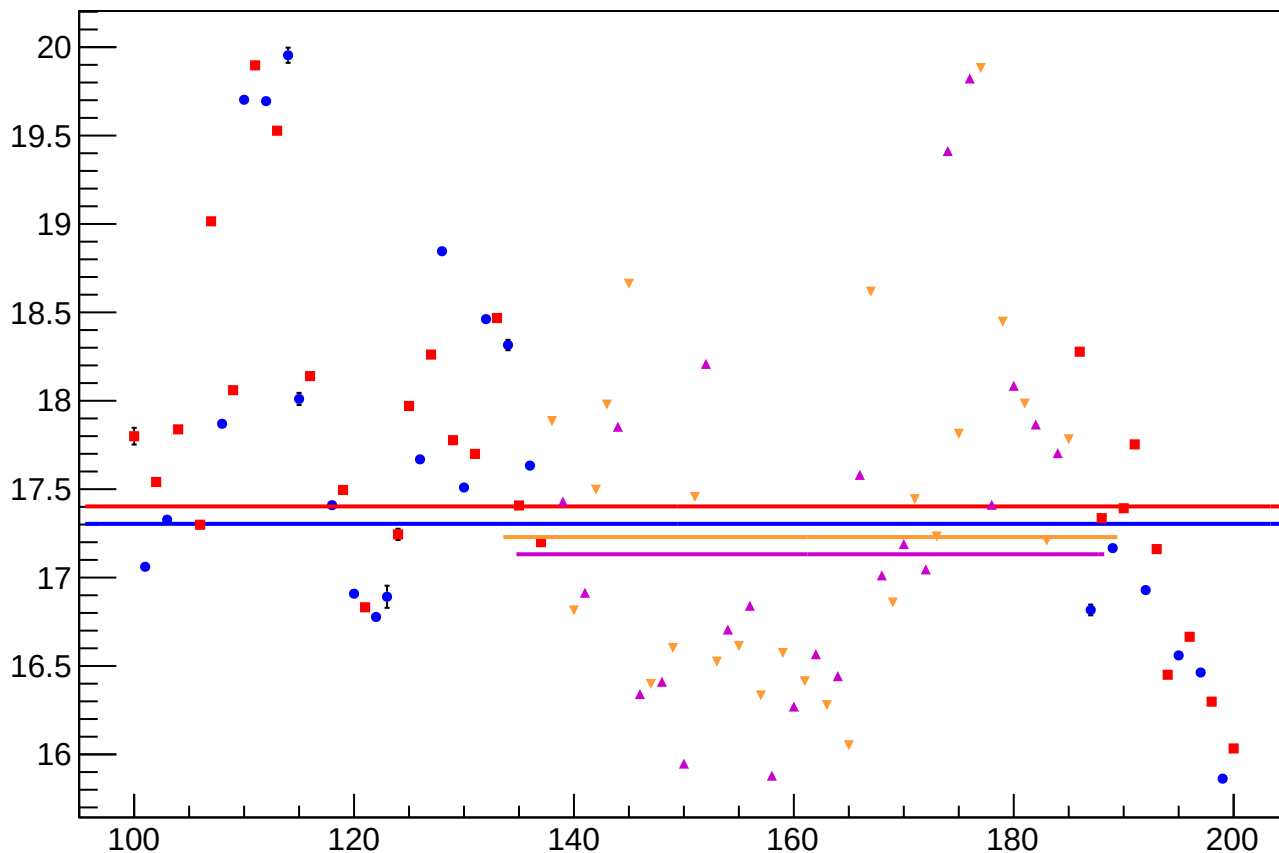
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.545 ± 3.208 χ^2/NDF : 24.2/47

All: -1.631 ± 2.240 χ^2/NDF : 100.4/98

- 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: 17.304 $\pm$ 0.004 χ^2 /NDF: 65790.7/22

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 17.402 $\pm$ 0.003 χ^2 /NDF: 69928.7/27

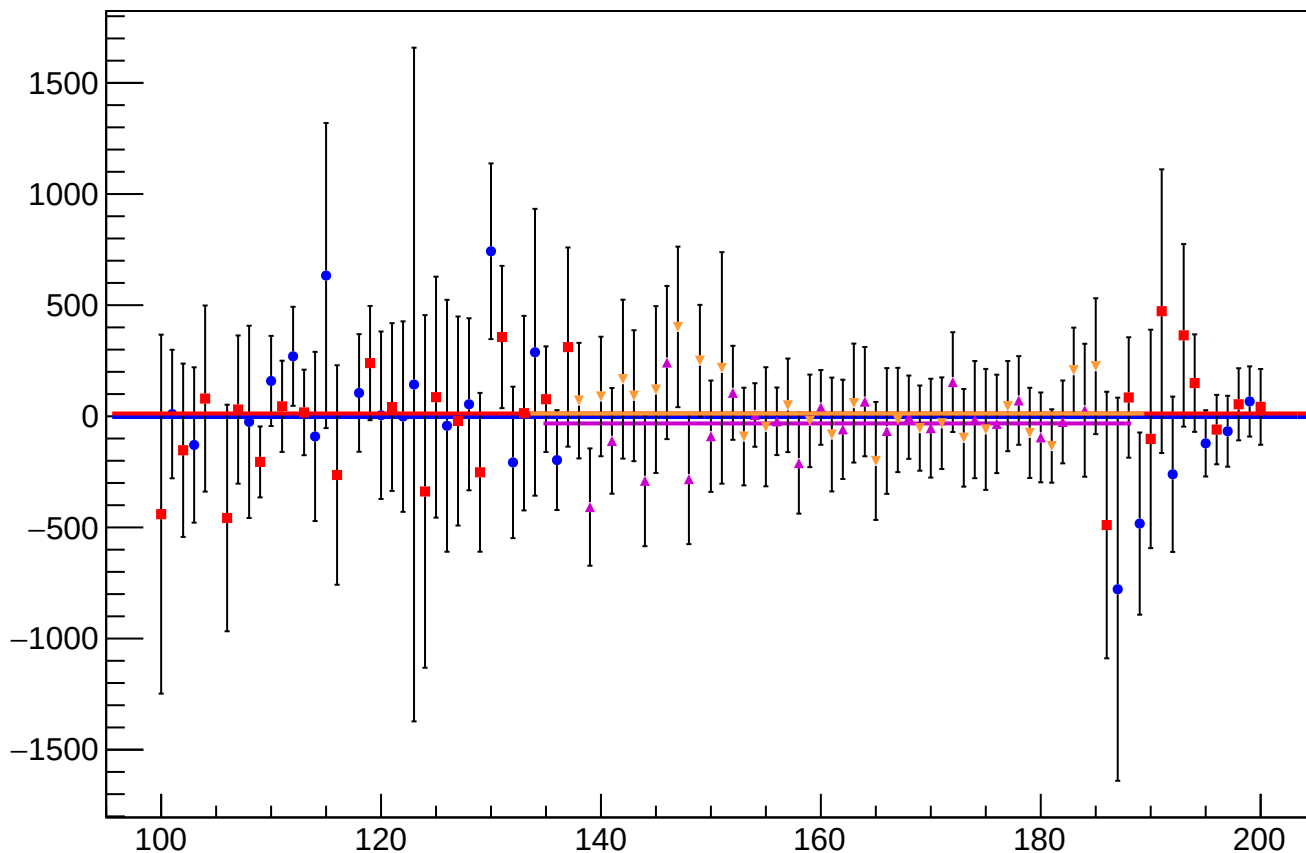
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 17.256 $\pm$ 0.002 χ^2 /NDF: 164666.6/47

All: 17.251 $\pm$ 0.002 χ^2 /NDF: 342243.7/98

- sign 17.245 $\pm$ 0.002 χ^2 /NDF: 177565.2/50

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -3.327 ± 58.413 χ^2/NDF : 12.0/22

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 12.724 ± 52.612 χ^2/NDF : 9.6/27

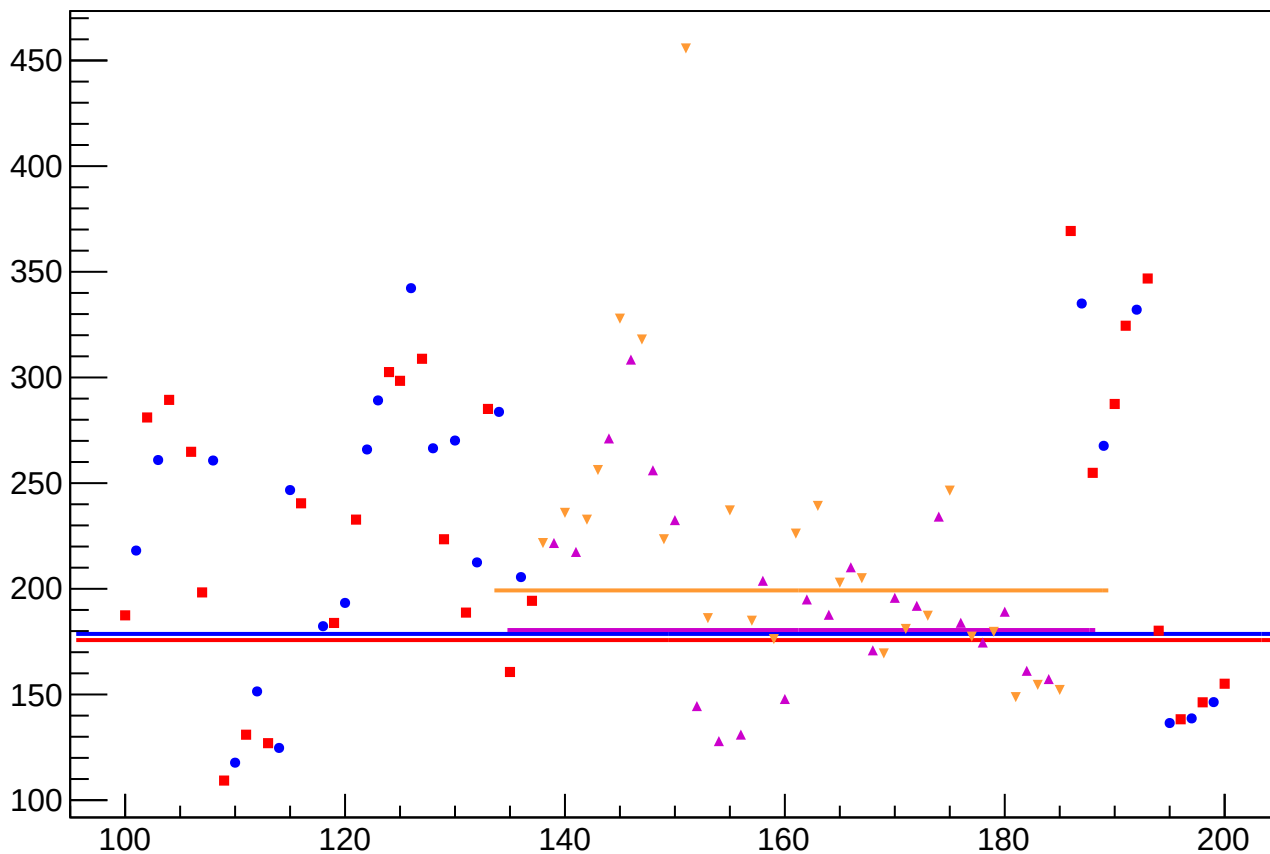
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign 6.092 ± 37.125 χ^2/NDF : 18.9/47

All: -4.292 ± 25.175 χ^2/NDF : 36.0/98

- 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: 178.655 $\pm$ 0.041 χ^2 /NDF: 1980475.1/22

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

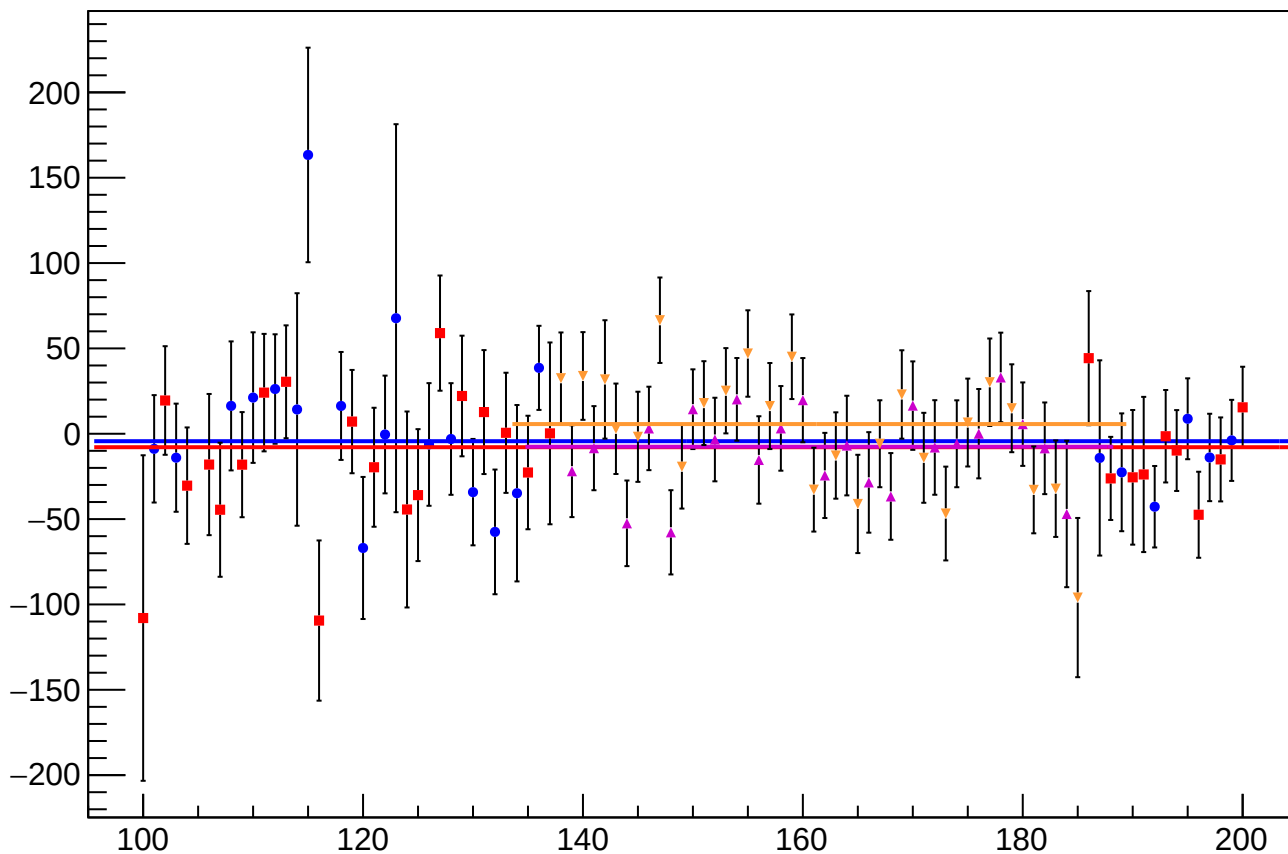
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF: 1593784.1/22

+ sign 190.926 $\pm$ 0.026 χ^2 /NDF: 3892632.7/47

All: 184.203 $\pm$ 0.018 χ^2 /NDF: 8273285.5/98

- 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: -4.361 ± 6.930 χ^2/NDF : 21.8/22

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: -7.884 ± 6.268 χ^2/NDF : 23.0/27

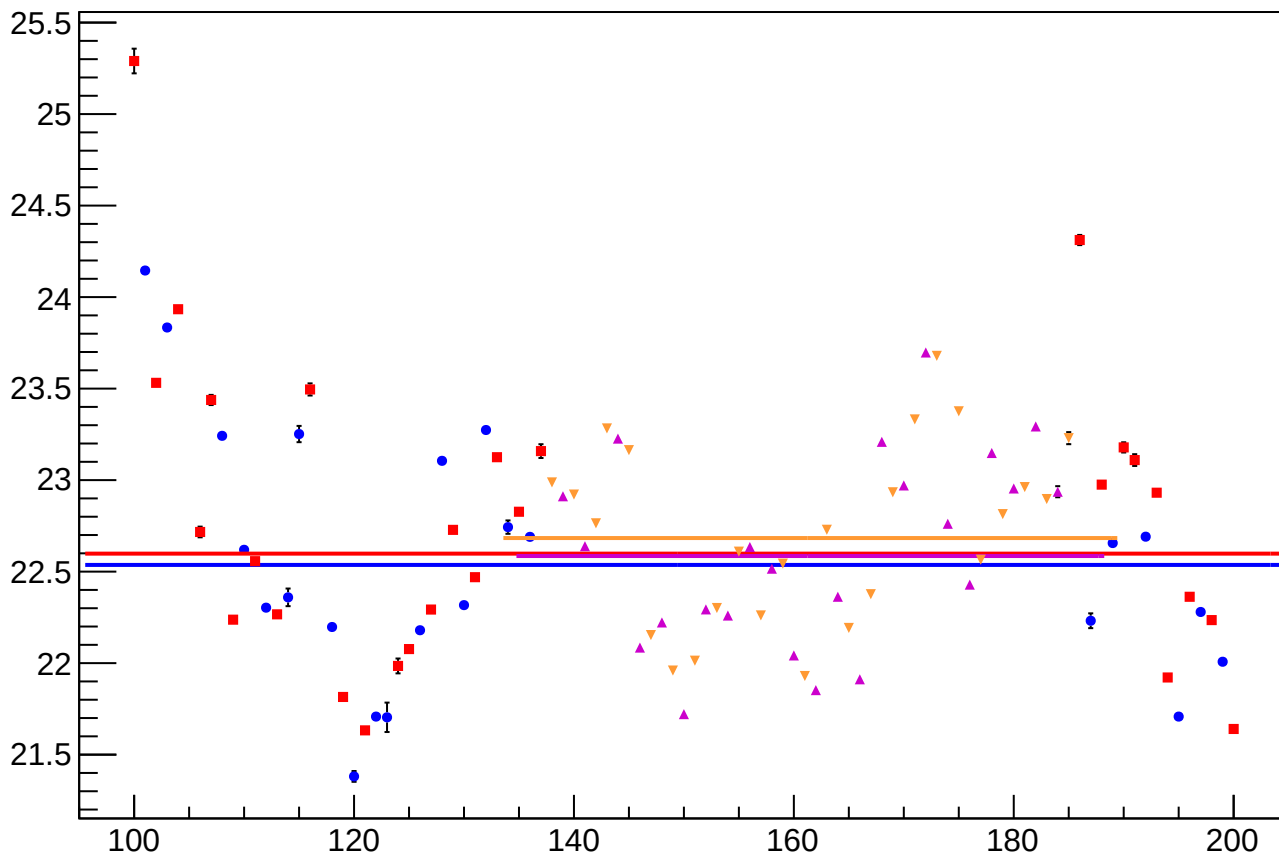
Left In: -7.594 ± 5.402 χ^2/NDF : 18.3/22

+ sign 1.990 ± 4.199 χ^2/NDF : 59.6/47

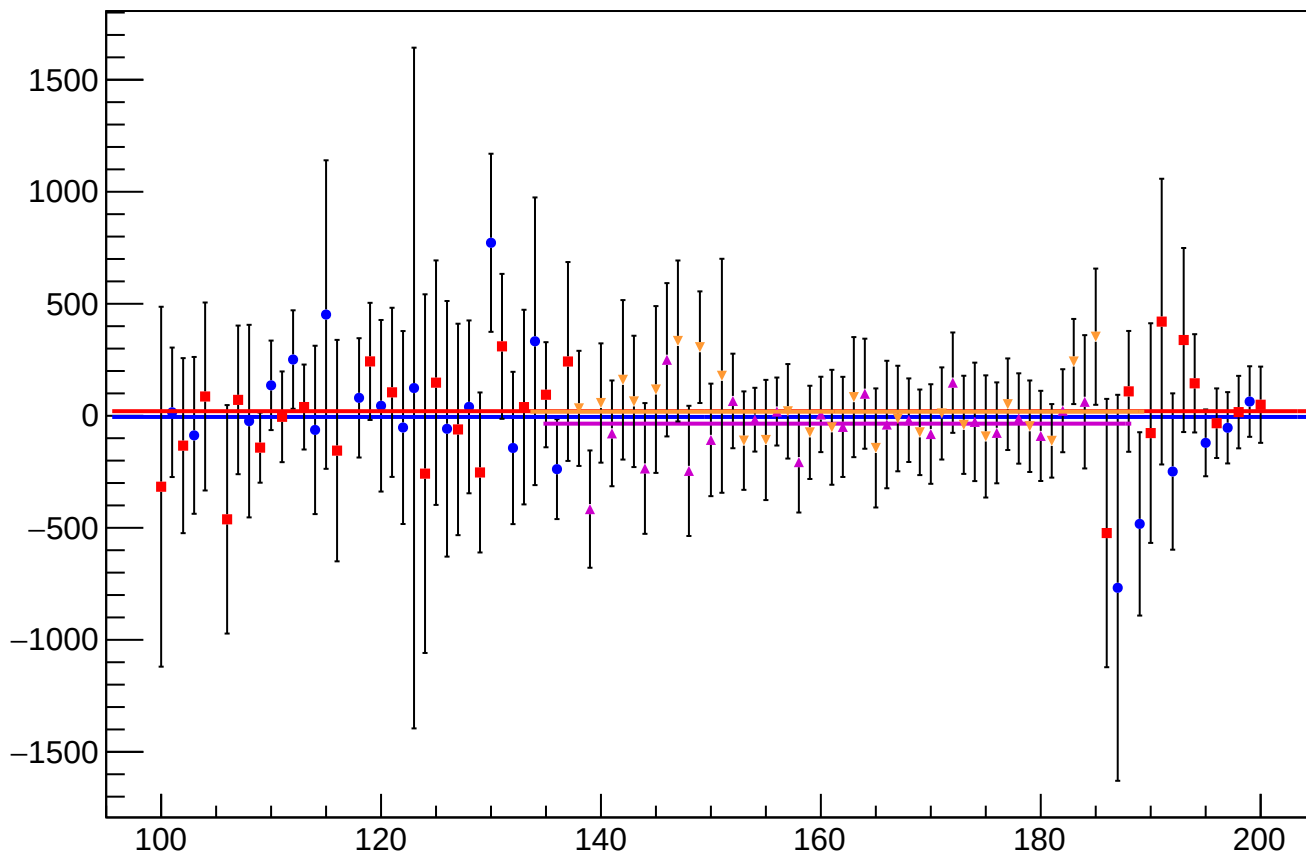
All: -2.989 ± 2.931 χ^2/NDF : 103.6/98

- sign -7.717 ± 4.092 χ^2/NDF : 41.3/50

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -5.150 ± 58.235 χ^2/NDF : 11.4/22

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 20.592 ± 52.347 χ^2/NDF : 7.7/27

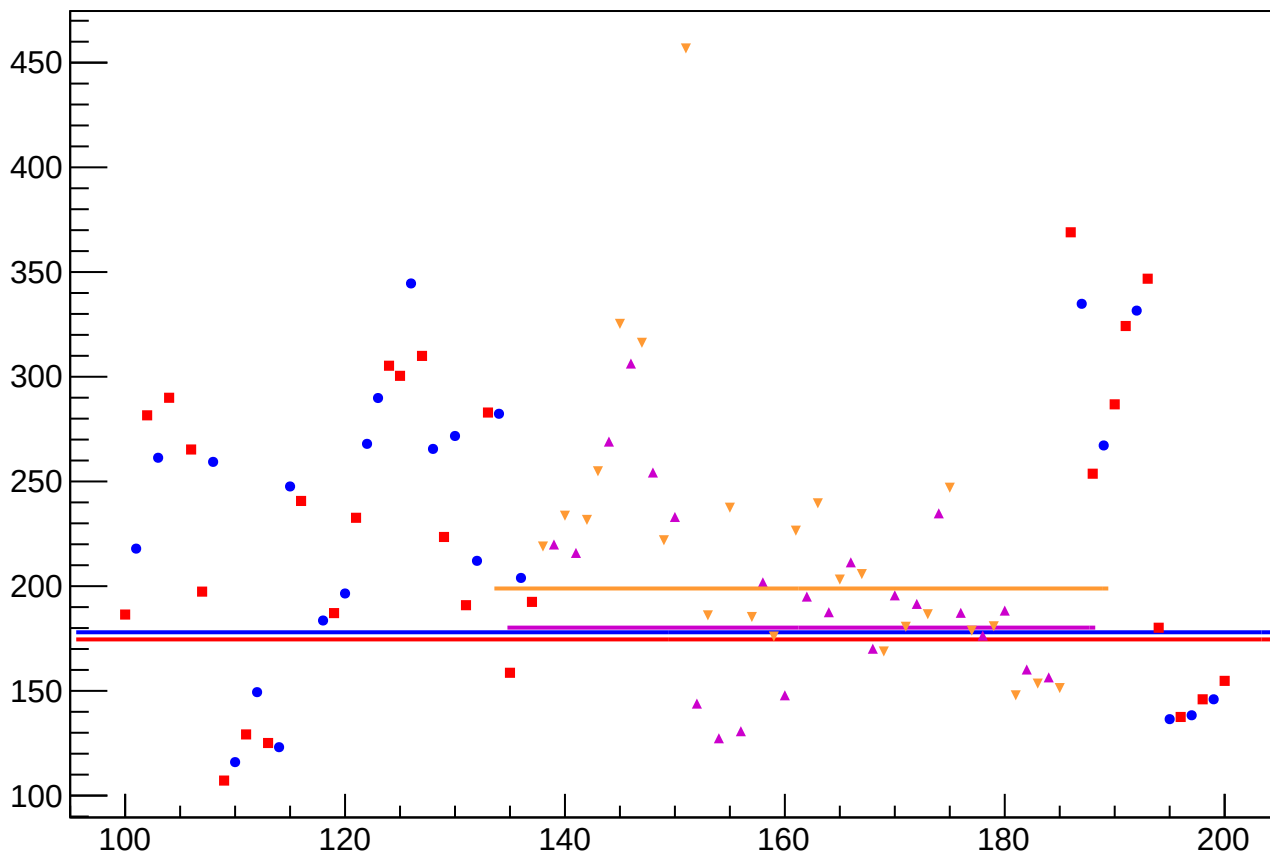
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign 9.010 ± 37.042 χ^2/NDF : 19.1/47

All: -2.003 ± 25.109 χ^2/NDF : 33.9/98

- 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: 177.983 $\pm$ 0.041 χ^2 /NDF: 2011927.1/22

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

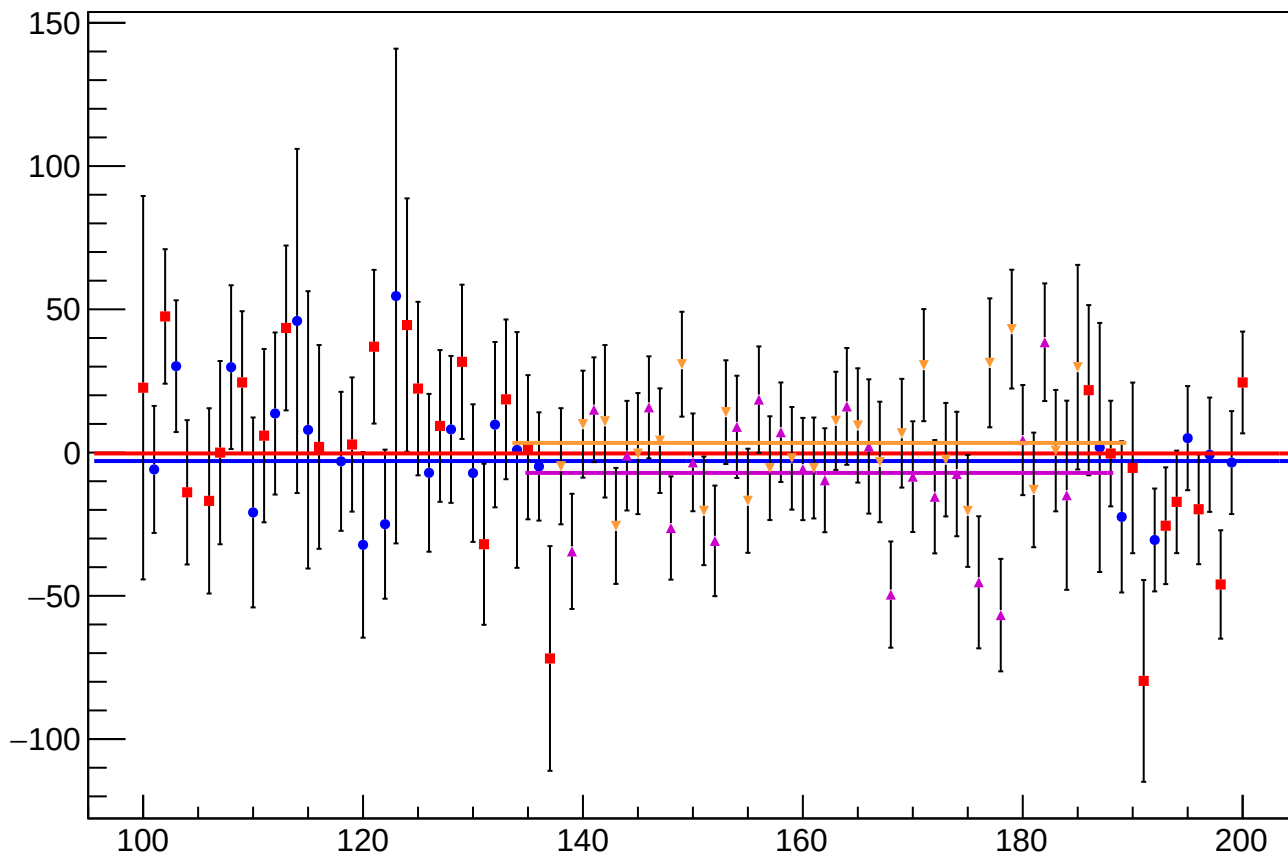
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 190.431 $\pm$ 0.026 χ^2 /NDF: 3927874.4/47

All: 183.608 $\pm$ 0.018 χ^2 /NDF: 8383677.4/98

- 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: -2.954 ± 5.334 χ^2/NDF : 10.3/22

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -0.300 ± 4.829 χ^2/NDF : 35.2/27

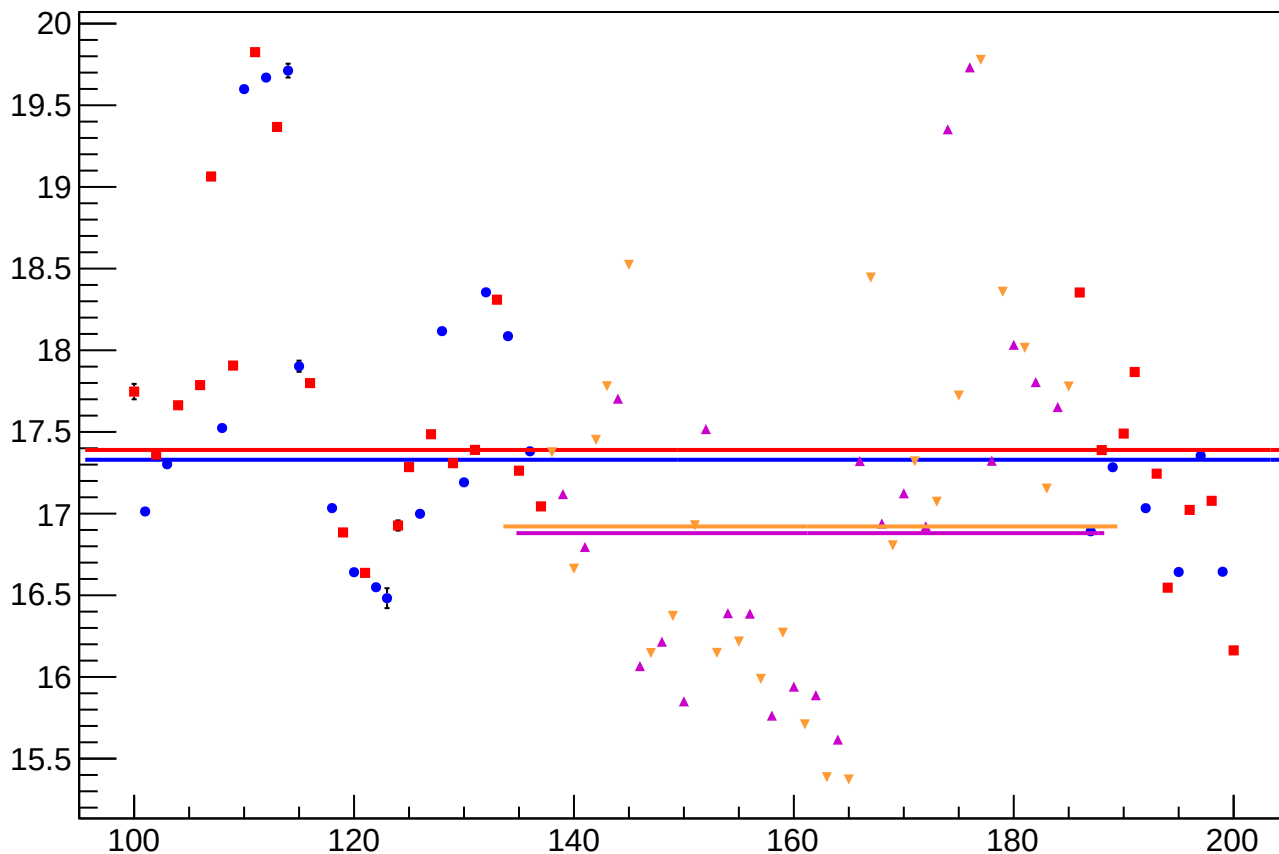
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 1.134 ± 3.173 χ^2/NDF : 30.0/47

All: -1.641 ± 2.218 χ^2/NDF : 100.4/98

- 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: 17.330 $\pm$ 0.004 χ^2 /NDF: 42166.9/22

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.390 $\pm$ 0.003 χ^2 /NDF: 52648.4/27

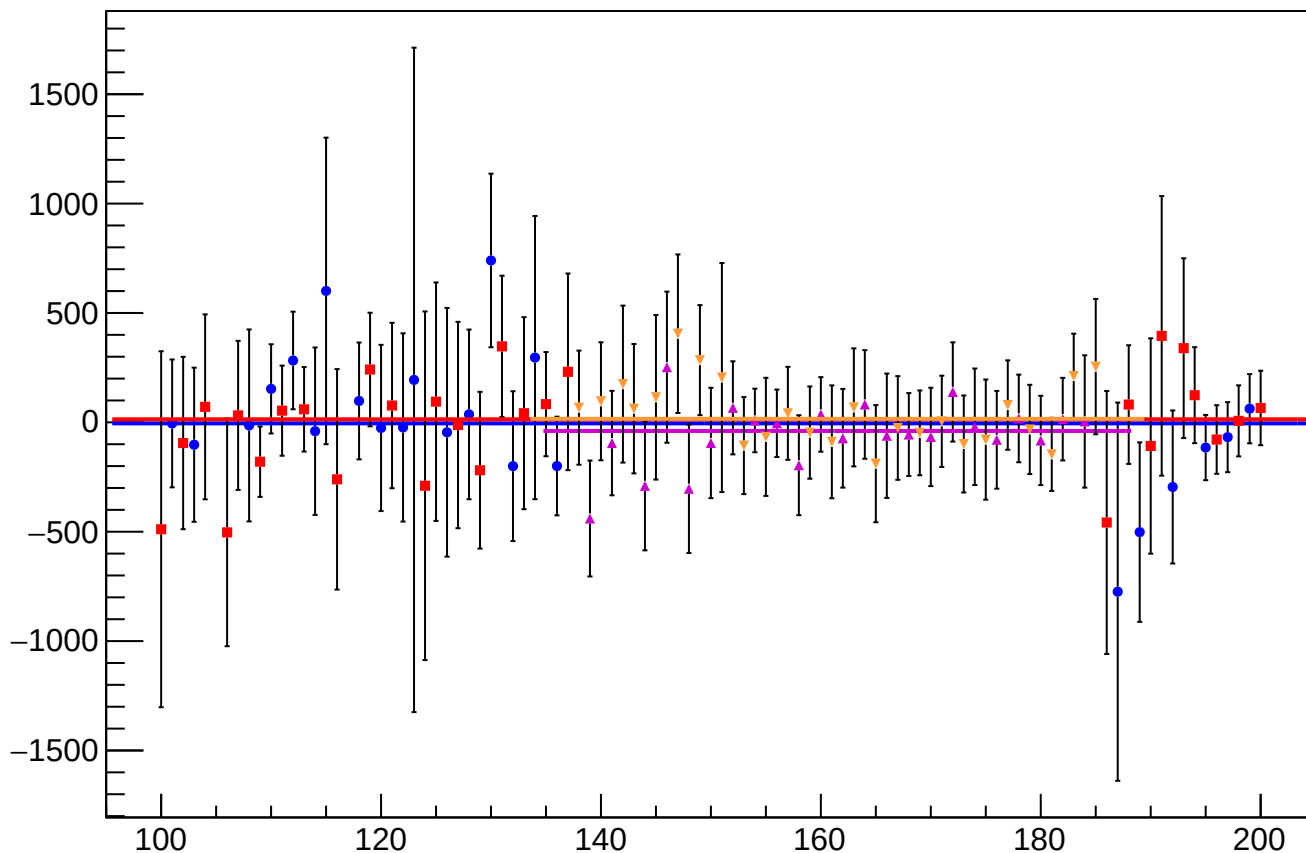
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 17.066 $\pm$ 0.002 χ^2 /NDF: 188726.7/47

All: 17.079 $\pm$ 0.002 χ^2 /NDF: 376243.5/98

- sign 17.091 $\pm$ 0.002 χ^2 /NDF: 187454.8/50

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -4.688 ± 58.640 χ^2/NDF : 11.9/22

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 13.920 ± 52.842 χ^2/NDF : 8.5/27

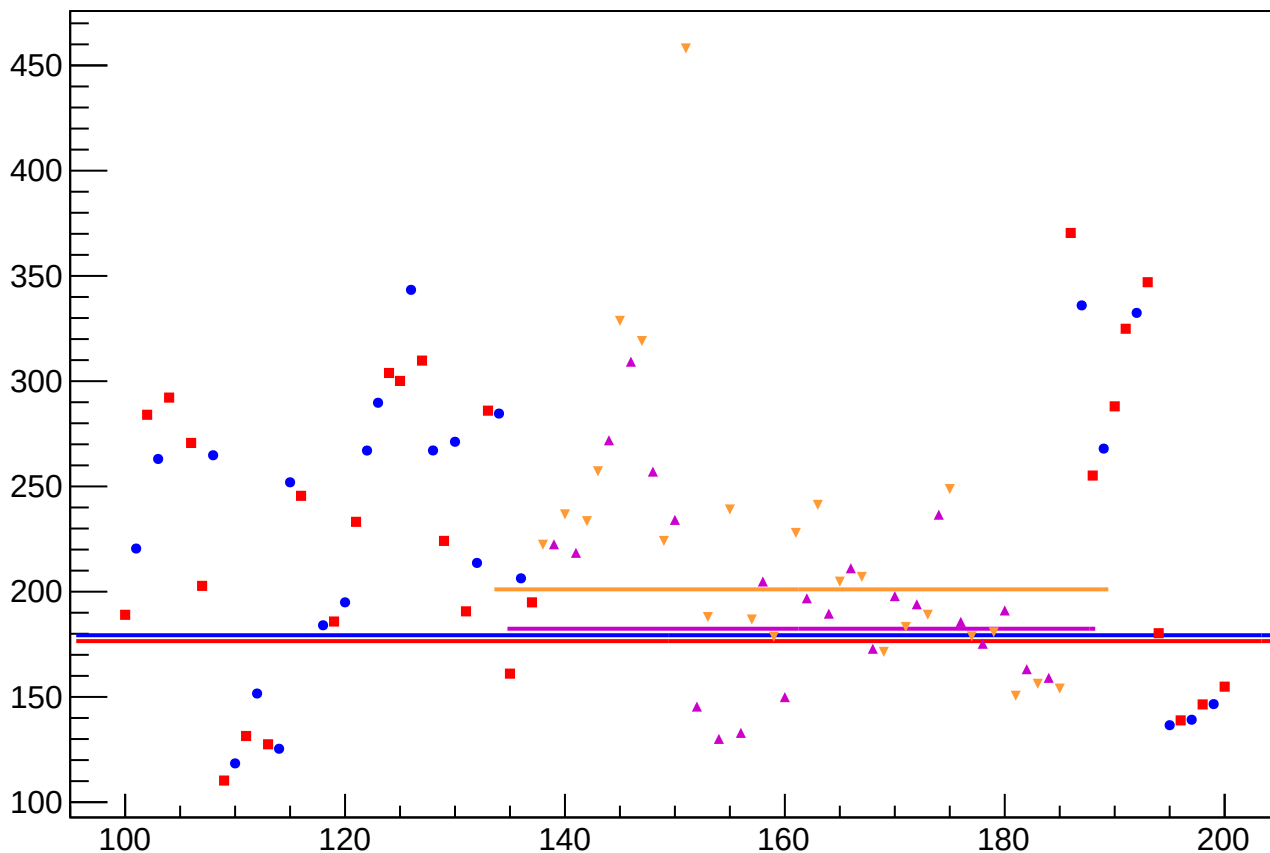
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign 7.578 ± 37.375 χ^2/NDF : 19.4/47

All: -5.497 ± 25.355 χ^2/NDF : 35.6/98

- 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: 179.309 $\pm$ 0.041 χ^2 /NDF: 1992702.7/22

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

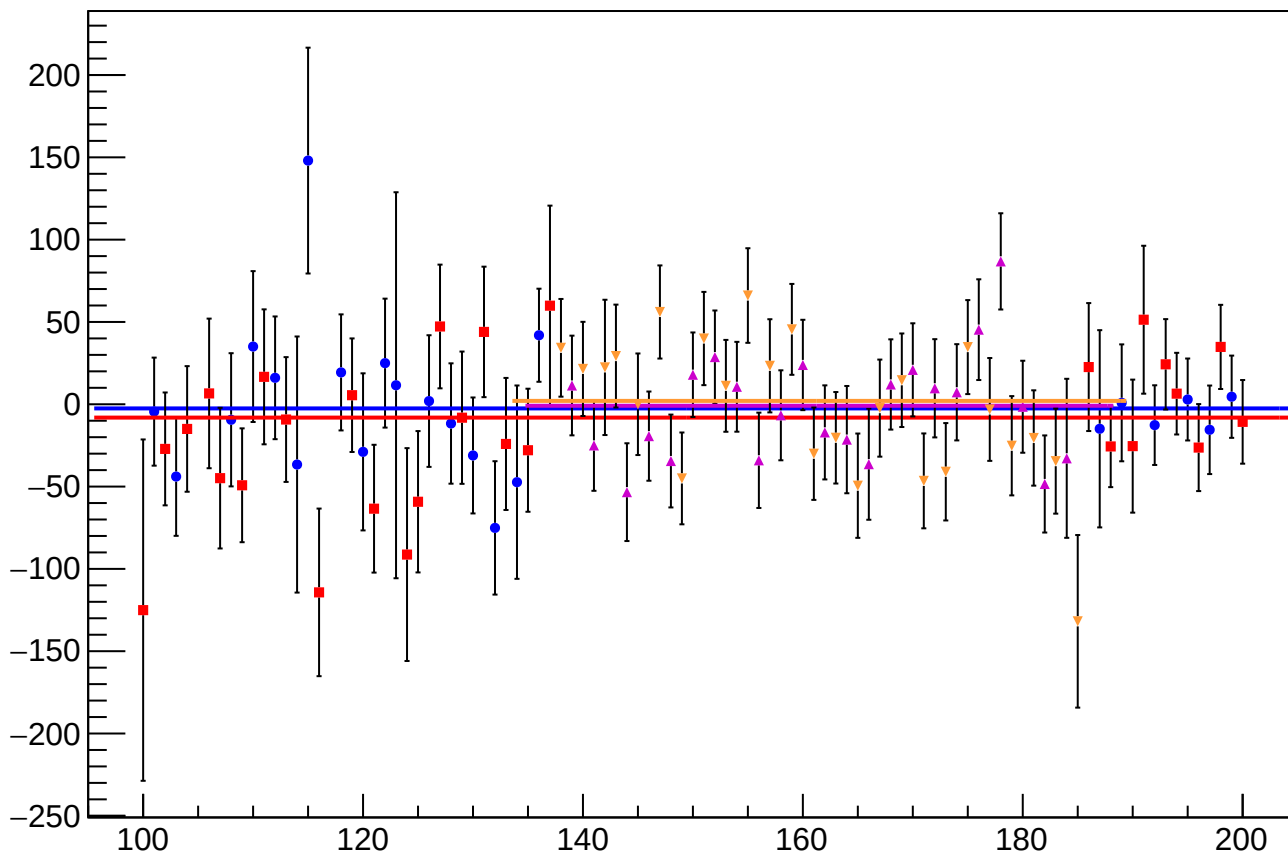
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF: 1548907.7/22

+ sign 192.243 $\pm$ 0.026 χ^2 /NDF: 3887621.1/47

All: 185.575 $\pm$ 0.018 χ^2 /NDF: 8231639.9/98

- 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: -2.517 ± 7.546 $\chi^2/\text{NDF}: 16.1/22$

Left Out: 2.054 ± 5.970 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -8.096 ± 6.757 $\chi^2/\text{NDF}: 27.5/27$

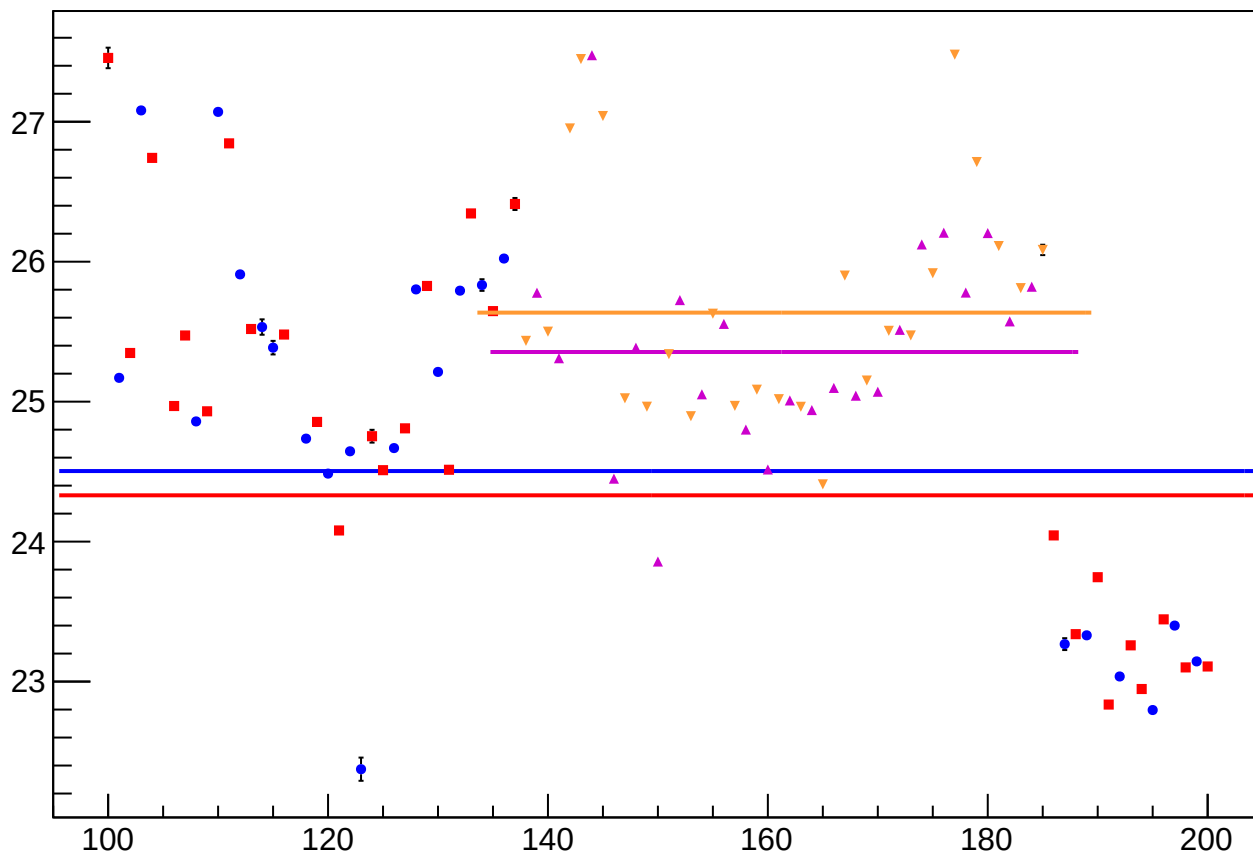
Left In: -0.900 ± 6.069 $\chi^2/\text{NDF}: 27.1/22$

+ sign 0.294 ± 4.682 $\chi^2/\text{NDF}: 55.7/47$

All: -1.990 ± 3.250 $\chi^2/\text{NDF}: 111.4/98$

- sign -4.114 ± 4.515 $\chi^2/\text{NDF}: 55.2/50$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.504 ± 0.005 χ^2/NDF : 63071.6/22

Left Out: 25.636 ± 0.004 χ^2/NDF : 35130.7/24

Right Out: 24.331 ± 0.005 χ^2/NDF : 64925.7/27

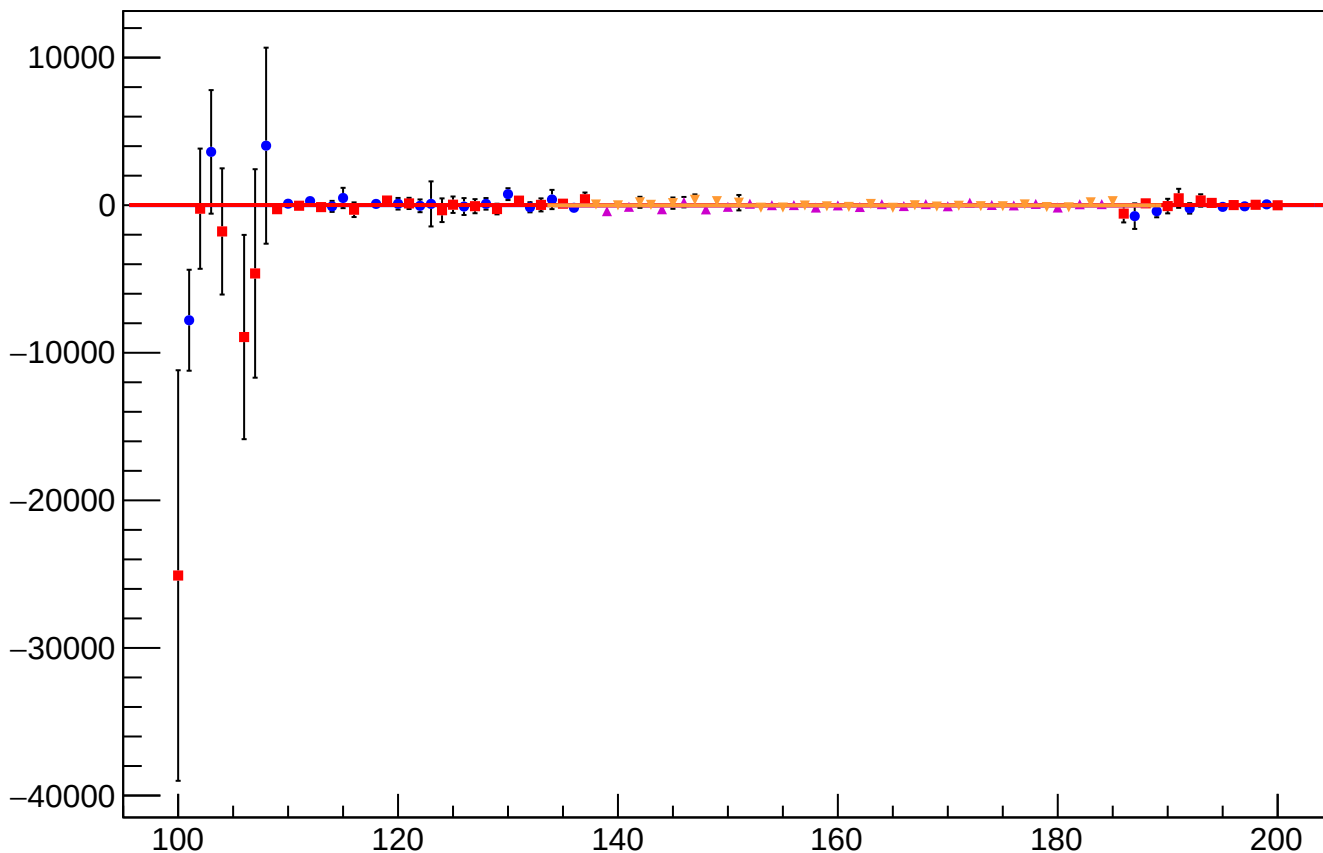
Left In: 25.355 ± 0.004 χ^2/NDF : 29766.2/22

+ sign 25.200 ± 0.003 χ^2/NDF : 125882.9/47

All: 25.043 ± 0.002 χ^2/NDF : 250333.4/98

- sign 24.897 ± 0.003 χ^2/NDF : 120114.4/50

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 2.378+/-62.280 χ^2/NDF : 16.5/22

Left Out: -12.820+/-48.216 χ^2/NDF : 7.9/24

Right Out: 12.634+/-57.077 χ^2/NDF : 14.7/27

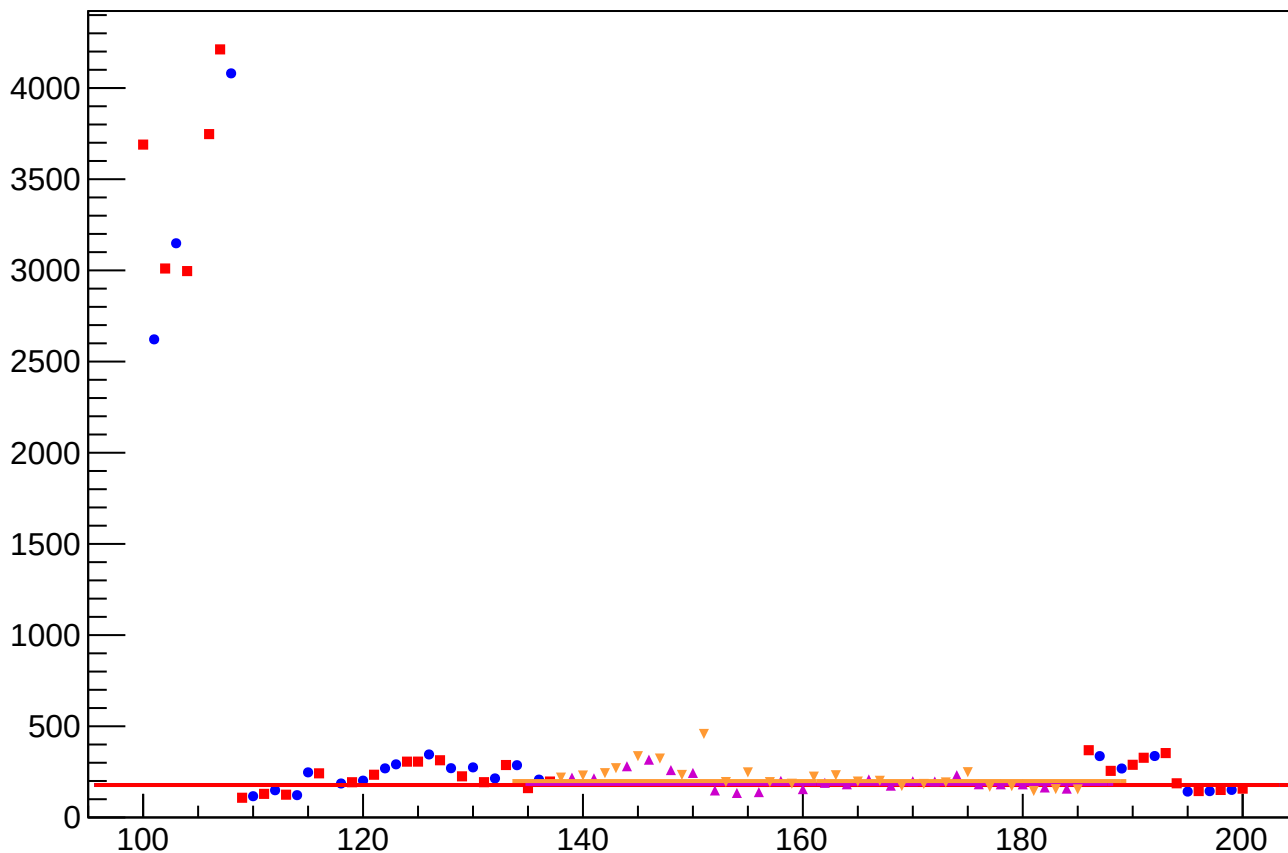
Left In: -26.836+/-45.876 χ^2/NDF : 7.5/22

+ sign -7.125+/-38.126 χ^2/NDF : 24.4/47

All: -9.370+/-26.081 χ^2/NDF : 46.9/98

- sign -11.345+/-35.757 χ^2/NDF : 22.5/50

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 178.039+/-0.044 χ^2/NDF : 4435520.5/22

Left Out: 199.536+/-0.034 χ^2/NDF :1880548.8/24

Right Out: 177.841+/-0.040 χ^2/NDF : 5299551.5/27

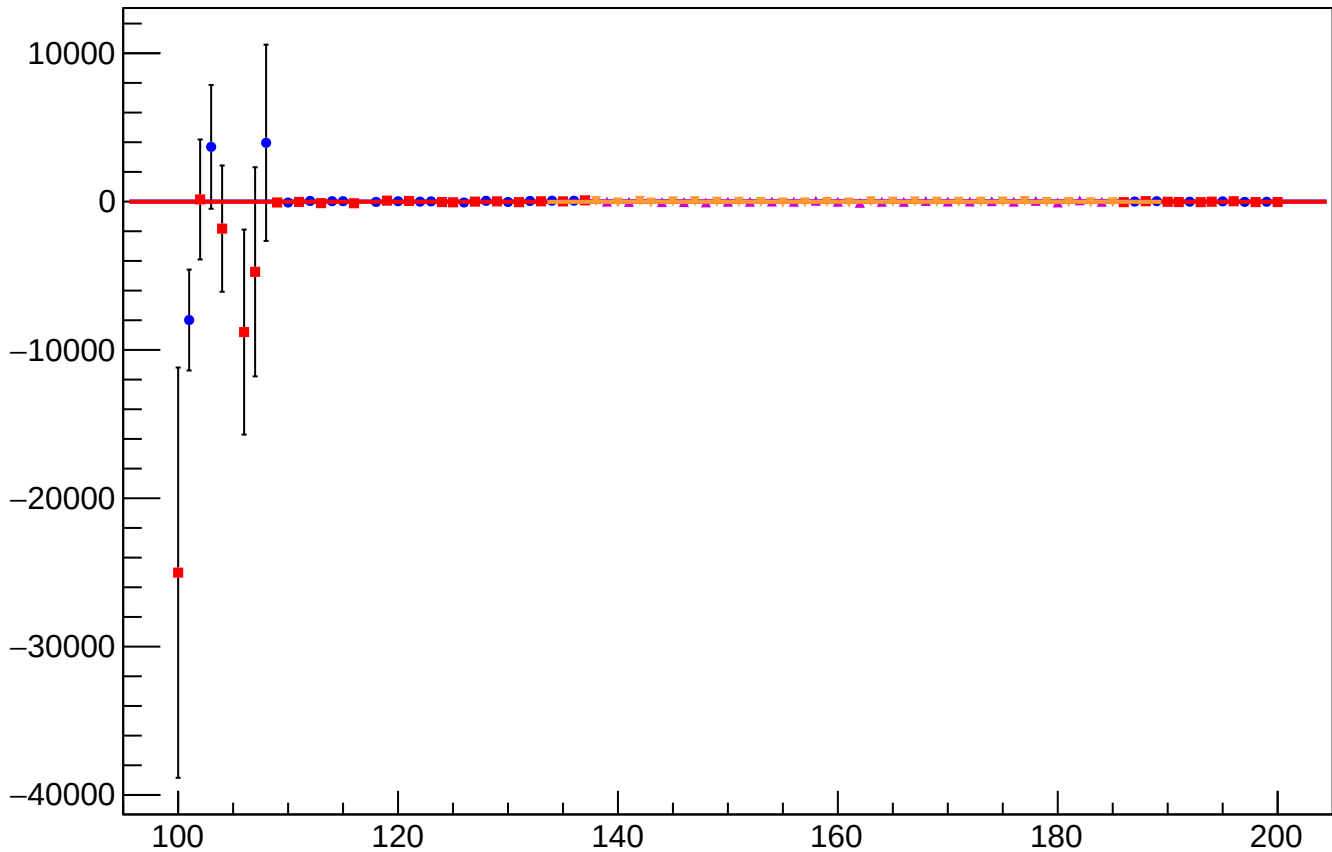
Left In: 184.031+/-0.032 χ^2/NDF :1423454.3/22

+ sign 191.479+/-0.027 χ^2/NDF : 6465053.8/47

All: 186.224+/-0.018 χ^2/NDF : 13273774.5/98

- sign 181.602+/-0.025 χ^2/NDF : 6737299.1/50

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 5.112+/-9.189 χ^2/NDF : 20.9/22

Left Out: -17.580+/-6.694 χ^2/NDF :22.3/24

Right Out: -12.586+/-8.365 χ^2/NDF : 29.0/27

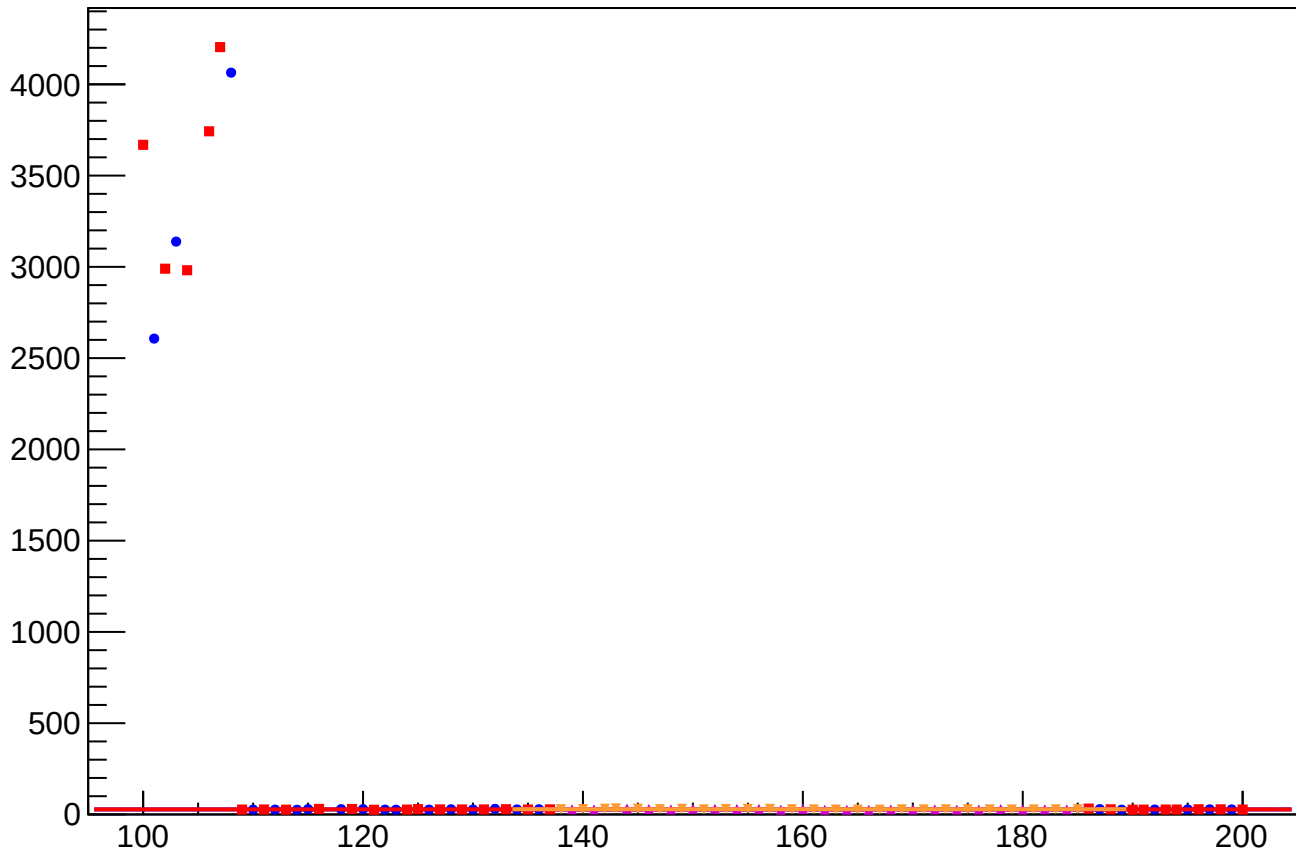
Left In: -1.038+/-6.880 χ^2/NDF :32.4/22

+ sign -9.713+/-5.410 χ^2/NDF : 47.2/47

All: -7.669+/-3.791 χ^2/NDF : 110.0/98

- sign -5.697+/-5.314 χ^2/NDF : 62.6/50

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.653 $\pm$ 0.006 χ^2 /NDF: 3034748.9/22

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

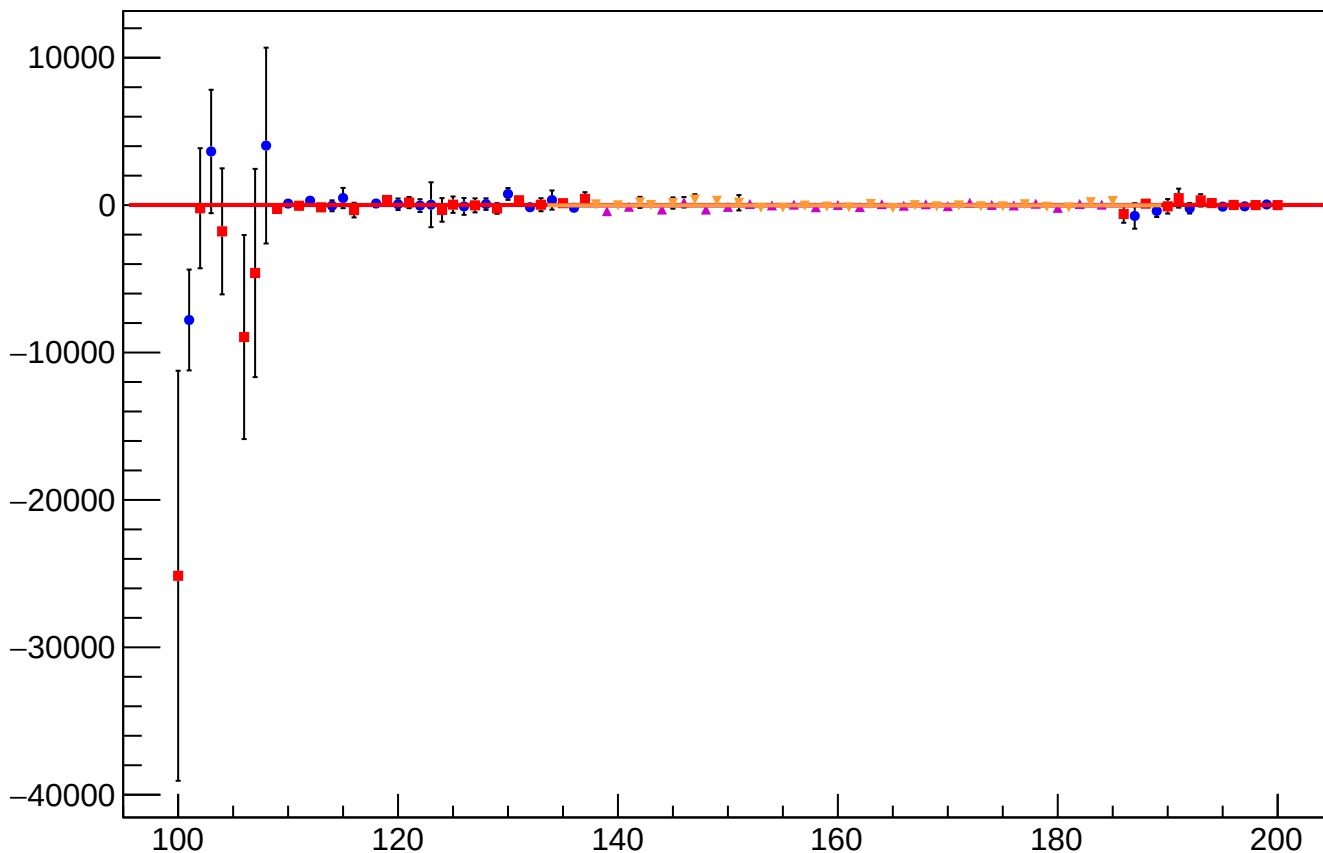
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.331 $\pm$ 0.004 χ^2 /NDF: 3161902.6/47

All: 28.300 $\pm$ 0.003 χ^2 /NDF: 6805956.7/98

- 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: 5.066+/-62.085 χ^2 /NDF: 16.6/22

Left Out: -15.483+/-48.109 χ^2 /NDF: 8.7/24

Right Out: 13.244+/-56.916 χ^2 /NDF: 15.4/27

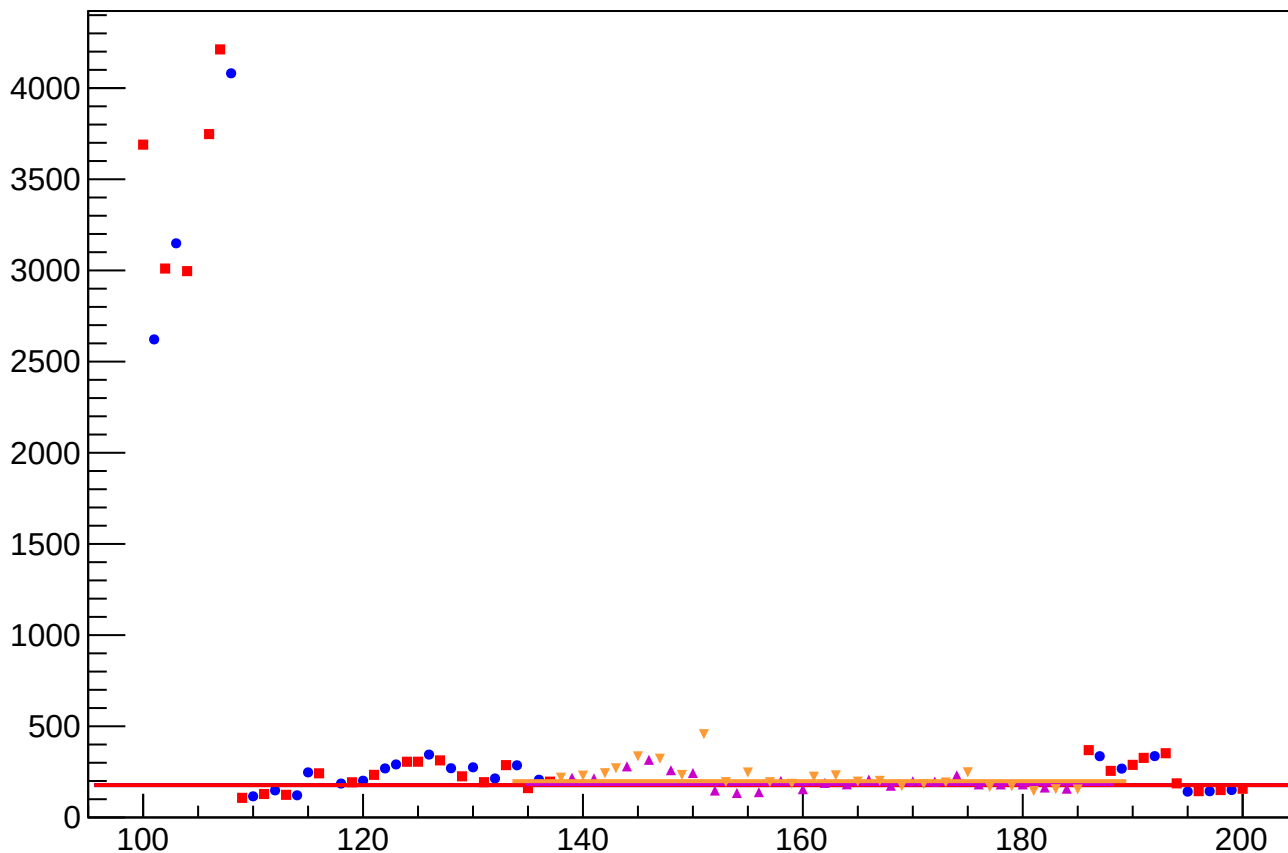
Left In: -27.009+/-45.785 χ^2 /NDF: 7.8/22

+ sign -7.773+/-38.028 χ^2 /NDF: 25.4/47

All: -9.593+/-26.018 χ^2 /NDF: 48.9/98

- sign -11.195+/-35.675 χ^2 /NDF: 23.5/50

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 177.410 $\pm$ 0.044 χ^2 /NDF: 4449129.9/22

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

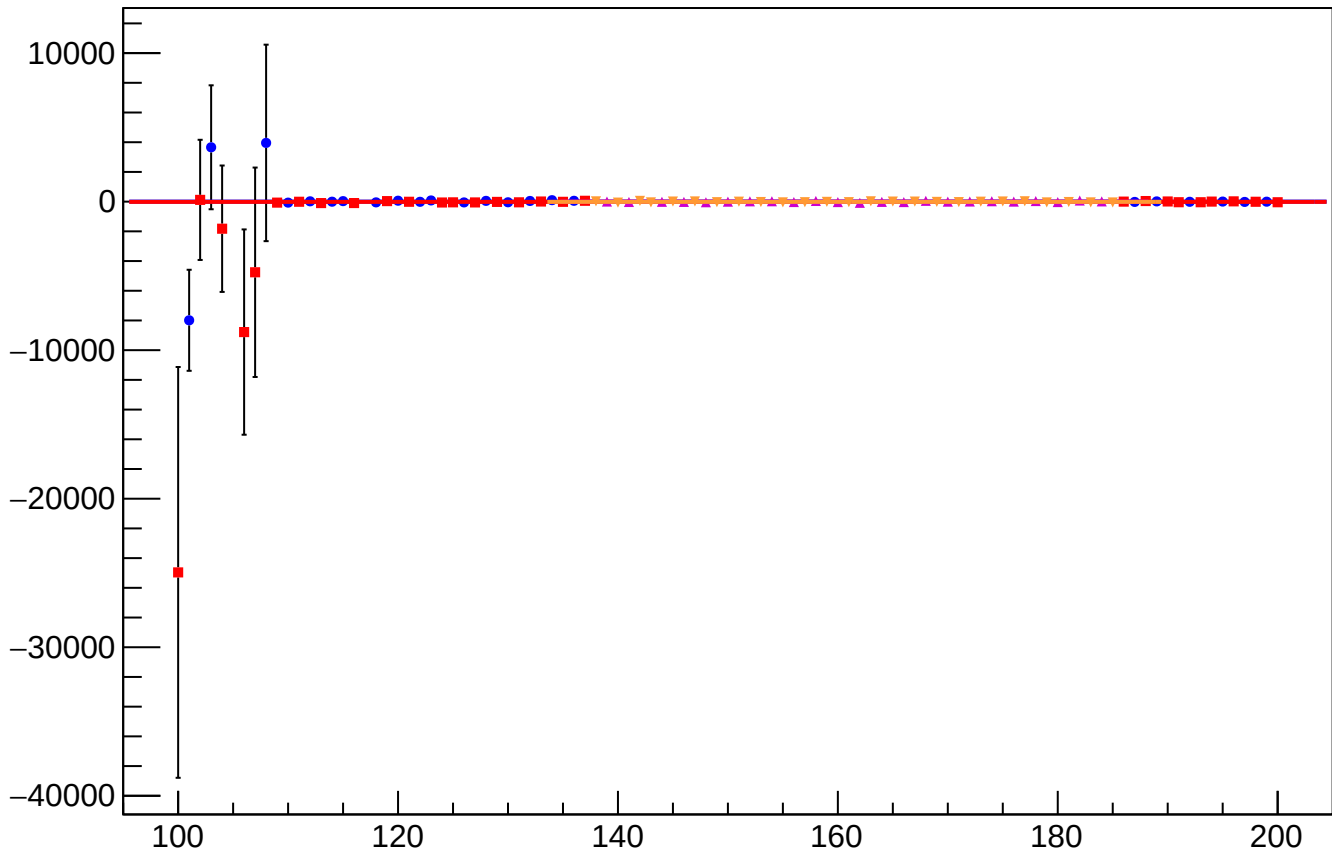
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 190.958 $\pm$ 0.027 χ^2 /NDF: 6481912.9/47

All: 185.743 $\pm$ 0.018 χ^2 /NDF: 13307959.8/90

- 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: 2.495 ± 9.193 χ^2/NDF : 23.9/22

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -15.598 ± 8.376 χ^2/NDF : 24.5/27

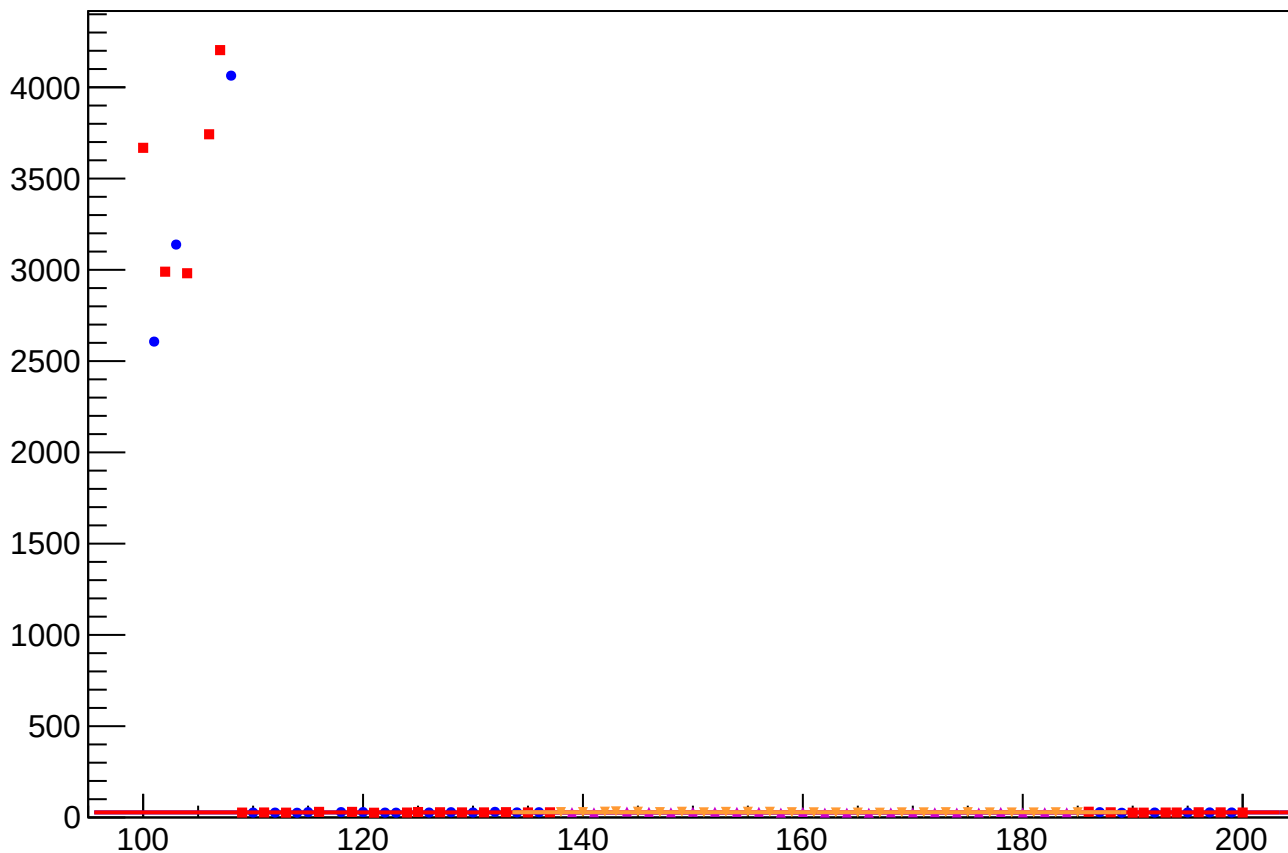
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -8.908 ± 5.427 χ^2/NDF : 43.8/47

All: -7.376 ± 3.803 χ^2/NDF : 97.1/98

- sign -5.898 ± 5.330 χ^2/NDF : 53.2/50

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.661 $\pm$ 0.007 χ^2 /NDF: 3037070.8/22

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

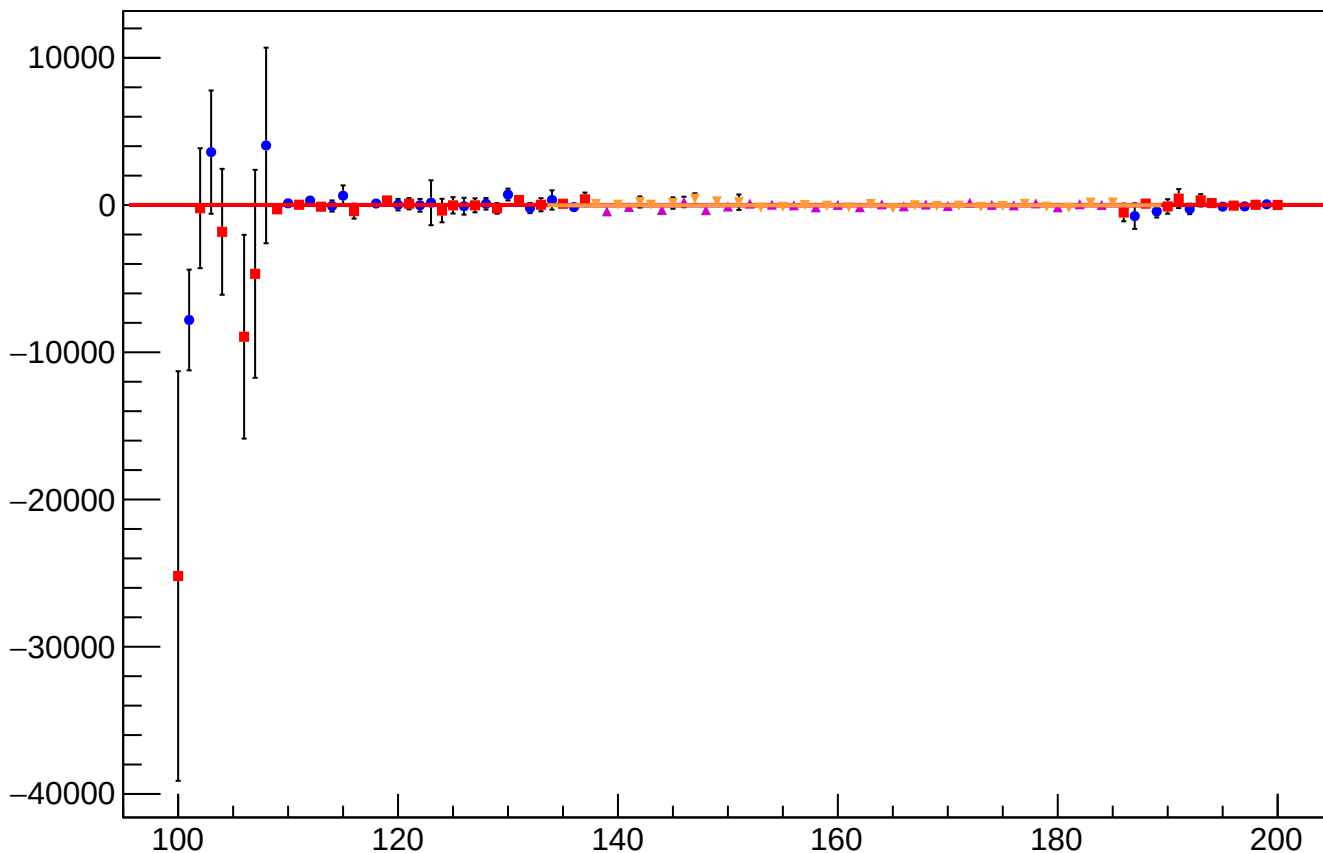
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.411 $\pm$ 0.004 χ^2 /NDF: 3179502.9/47

All: 28.382 $\pm$ 0.003 χ^2 /NDF: 6828696.9/98

- 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: 4.166+/-62.583 χ^2/NDF : 17.1/22

Left Out: -15.548+/-48.688 χ^2/NDF : 8.0/24

Right Out: 11.091+/-57.409 χ^2/NDF : 14.6/27

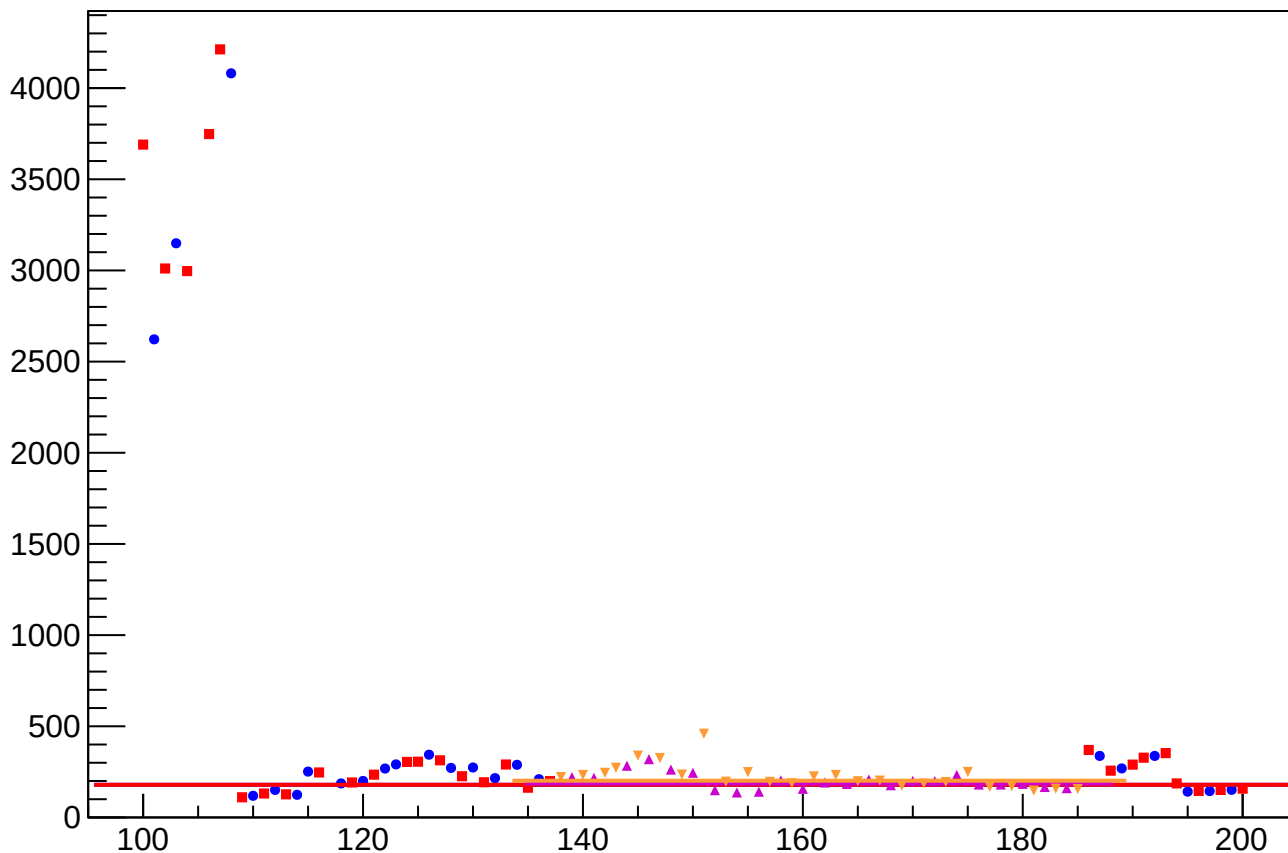
Left In: -31.170+/-46.359 χ^2/NDF : 8.2/22

+ sign -8.115+/-38.428 χ^2/NDF : 25.2/47

All: -11.504+/-26.299 χ^2/NDF : 48.3/98

- sign -14.490+/-36.068 χ^2/NDF : 23.1/50

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 179.015+/-0.044 χ^2/NDF : 4413916.2/22

Left Out: 201.600+/-0.034 χ^2/NDF :1857453.2/24

Right Out: 179.116+/-0.041 χ^2/NDF : 5253103.6/27

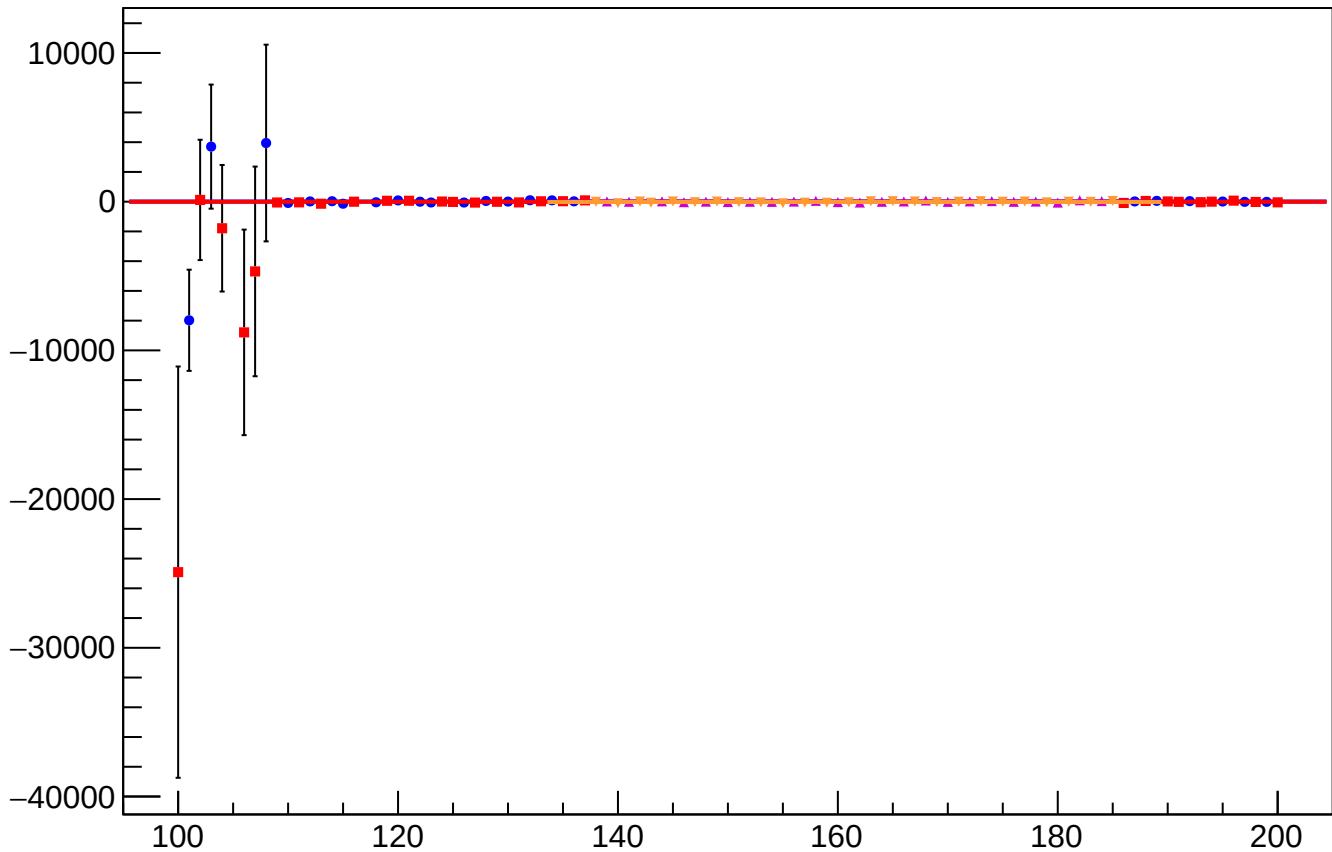
Left In: 186.107+/-0.033 χ^2/NDF :1391327.2/22

+ sign 193.085+/-0.027 χ^2/NDF : 6433629.8/47

All: 187.908+/-0.019 χ^2/NDF : 13164284.2/96

- sign 183.347+/-0.026 χ^2/NDF : 6662384.7/50

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 9.460 $\pm$ 11.209 χ^2 /NDF: 22.4/22

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

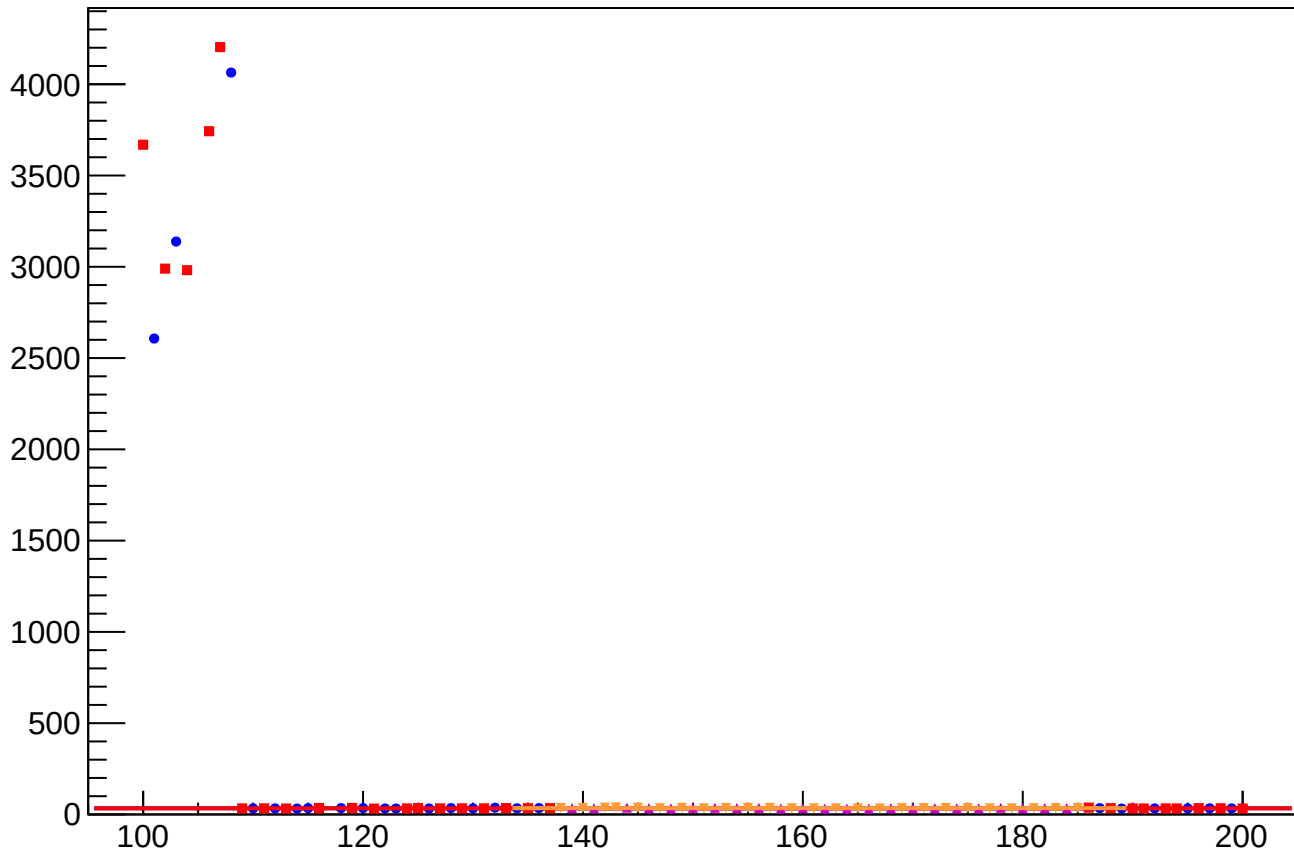
Left In: 6.001 $\pm$ 8.309 χ^2 /NDF:21.1/22

+ sign -12.166 $\pm$ 6.546 χ^2 /NDF: 53.8/47

All: -5.386 $\pm$ 4.591 χ^2 /NDF: 109.2/98

- 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: 33.755 $\pm$ 0.008 χ^2 /NDF: 3011653.6/22

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

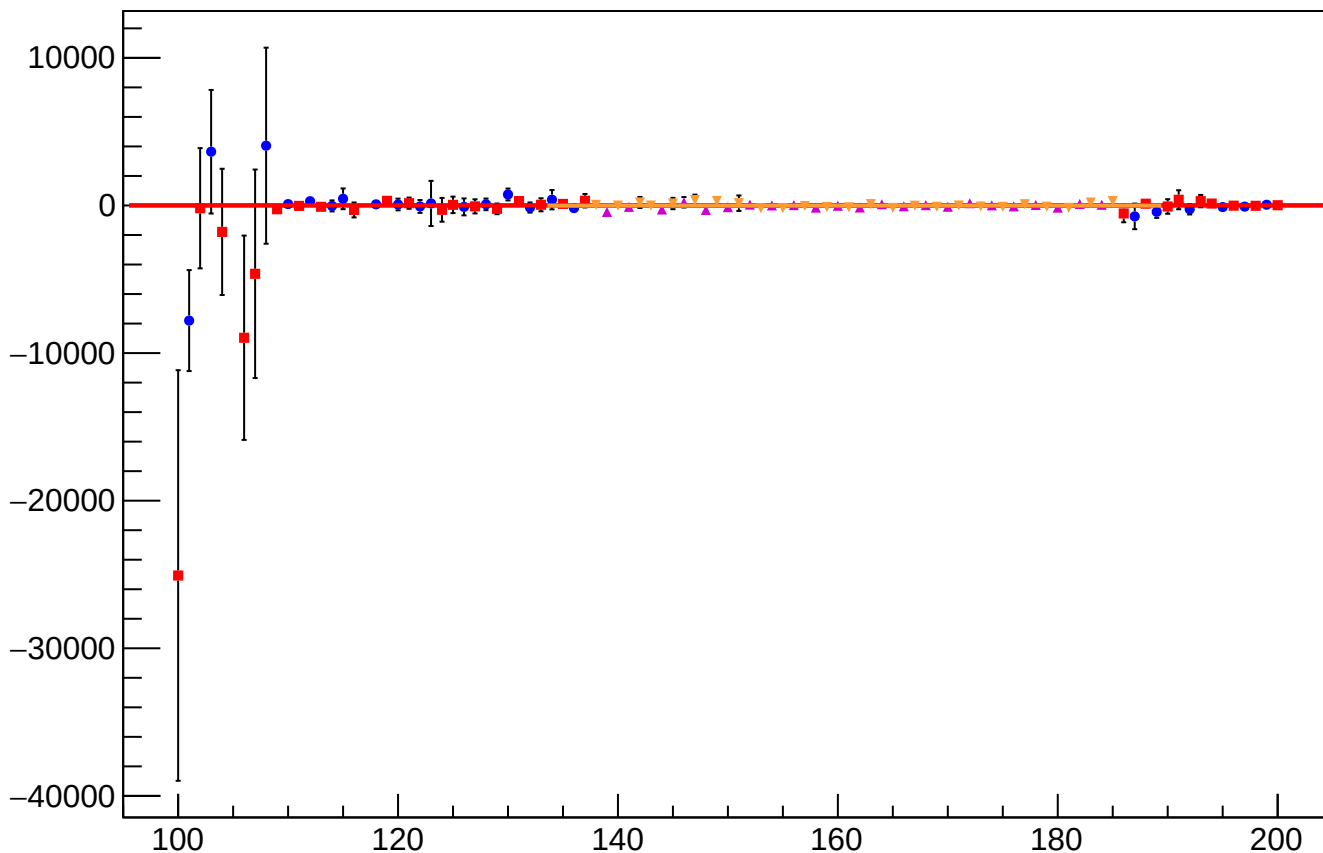
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.321 $\pm$ 0.005 χ^2 /NDF: 3077342.8/47

All: 34.322 $\pm$ 0.003 χ^2 /NDF: 6611963.2/98

- 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: 0.242 $\pm$ 62.378 χ^2 /NDF: 16.6/22

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: 12.080 $\pm$ 57.157 χ^2 /NDF: 13.3/27

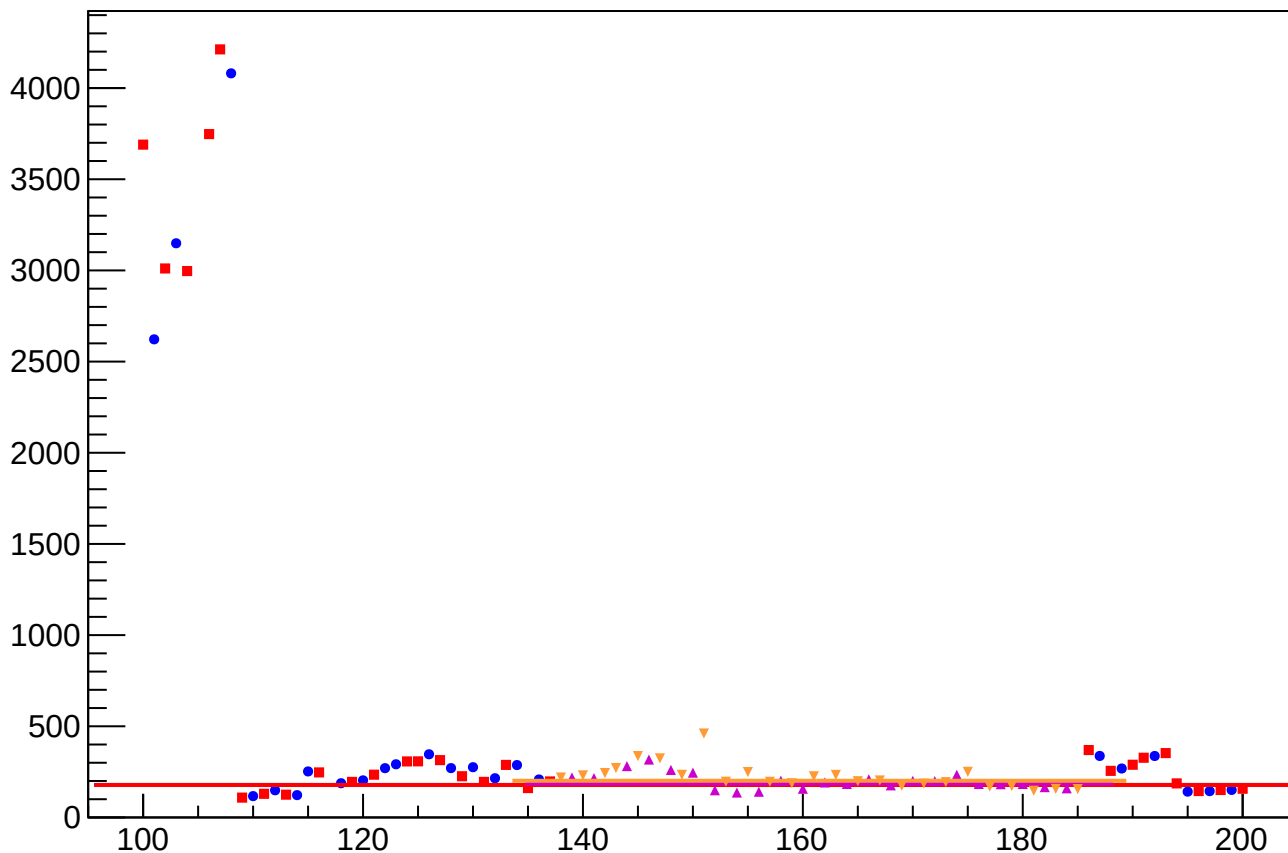
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign -5.456 $\pm$ 38.345 χ^2 /NDF: 25.2/47

All: -10.969 $\pm$ 26.236 χ^2 /NDF: 46.4/98

- sign -15.822 $\pm$ 35.976 χ^2 /NDF: 21.1/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 178.279 $\pm$ 0.044 χ^2/NDF : 4444626.4/22

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

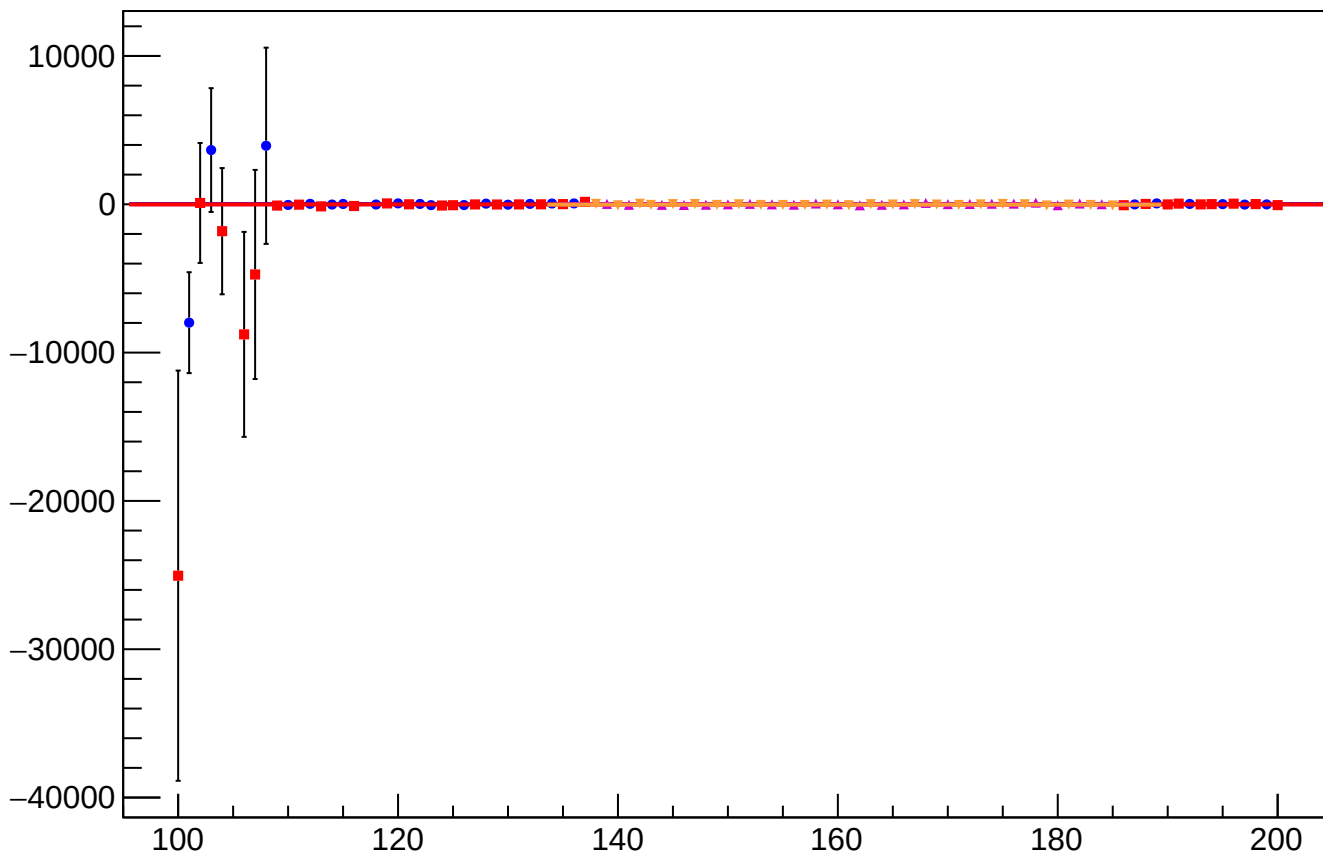
Left In: 185.854 $\pm$ 0.033 χ^2/NDF :1381771.9/22

+ sign 192.599 $\pm$ 0.027 χ^2/NDF : 6465174.3/47

All: 187.375 $\pm$ 0.019 χ^2/NDF : 13243447.2/98

- 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: 10.312+/-10.172 χ^2/NDF : 17.1/22

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -9.475+/-9.247 χ^2/NDF : 36.5/27

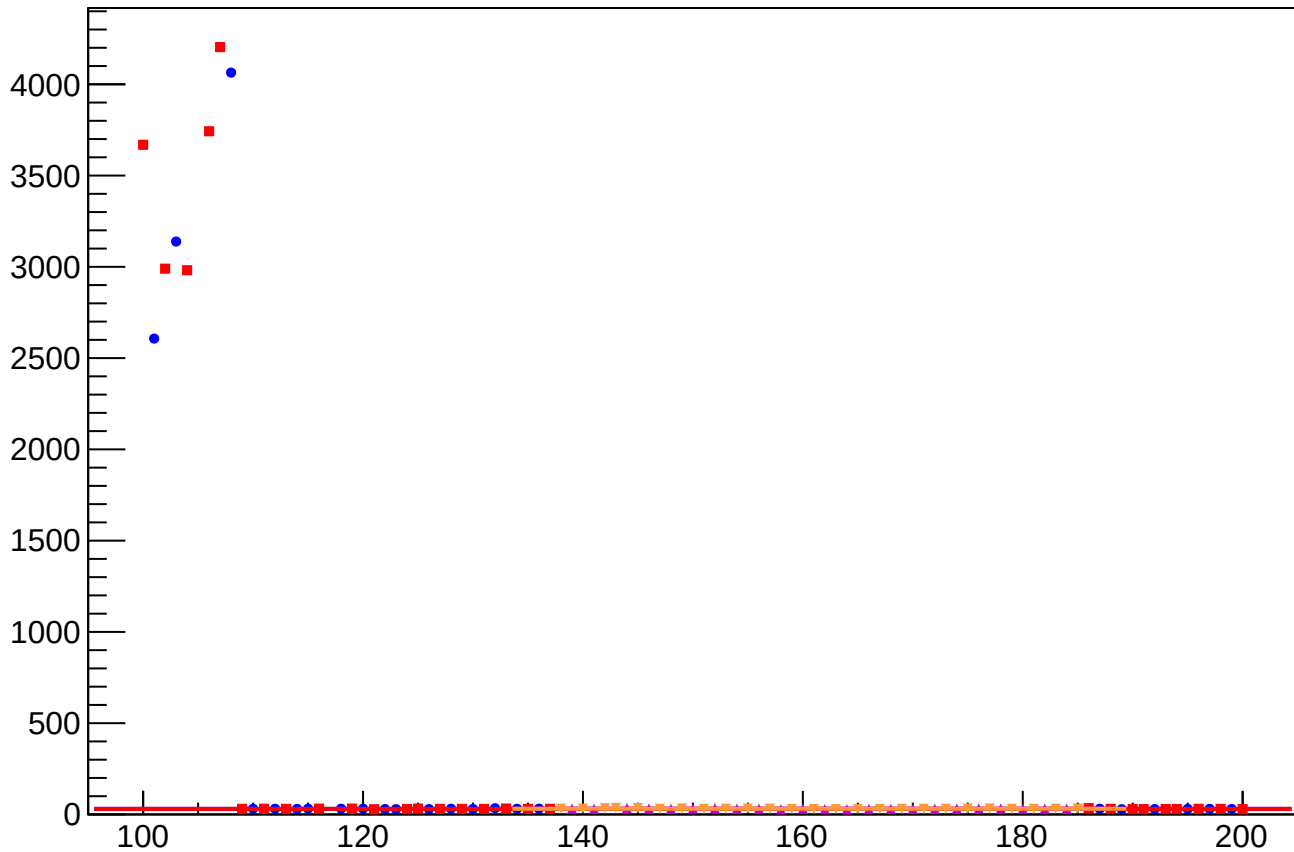
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -11.514+/-5.952 χ^2/NDF : 42.9/47

All: -5.769+/-4.172 χ^2/NDF : 121.3/98

- sign -0.224+/-5.848 χ^2/NDF : 76.6/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.623+/-0.007 χ^2/NDF : 3024880.3/22

Left Out: 31.482+/-0.005 χ^2/NDF : 82437.2/24

Right Out: 30.609+/-0.007 χ^2/NDF : 3479599.4/27

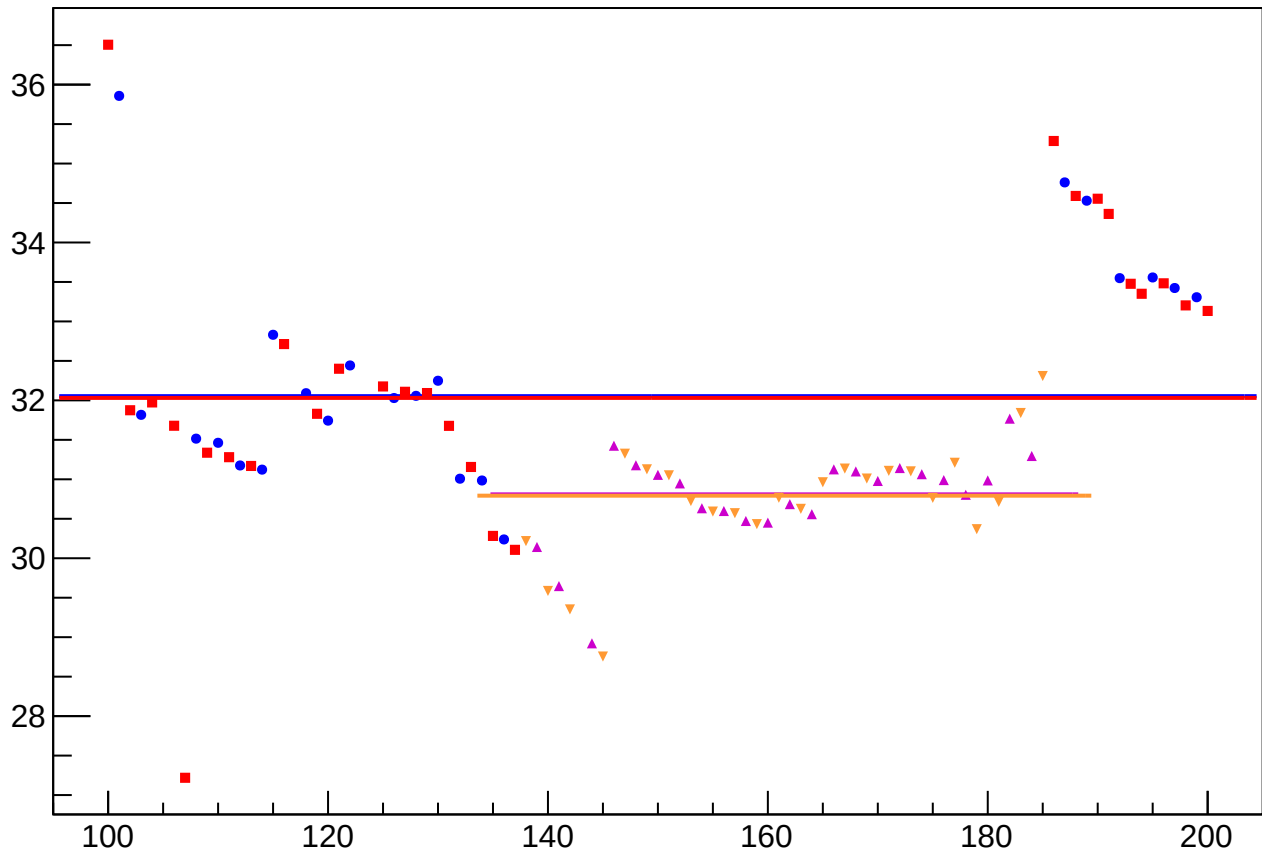
Left In: 31.484+/-0.005 χ^2/NDF : 87981.1/22

+ sign 31.188+/-0.004 χ^2/NDF : 3116679.9/47

All: 31.161+/-0.003 χ^2/NDF : 6695087.0/98

- sign 31.134+/-0.004 χ^2/NDF : 3578325.3/50

yield_usl_mean vs Slug



Right In: 32.053+/-0.000 χ^2 /NDF: 2095661088.6/21

Left Out: 30.793+/-0.000 χ^2 /NDF:1007261340.7/23

Right Out: 32.031+/-0.000 χ^2 /NDF: 1986782092.8/26

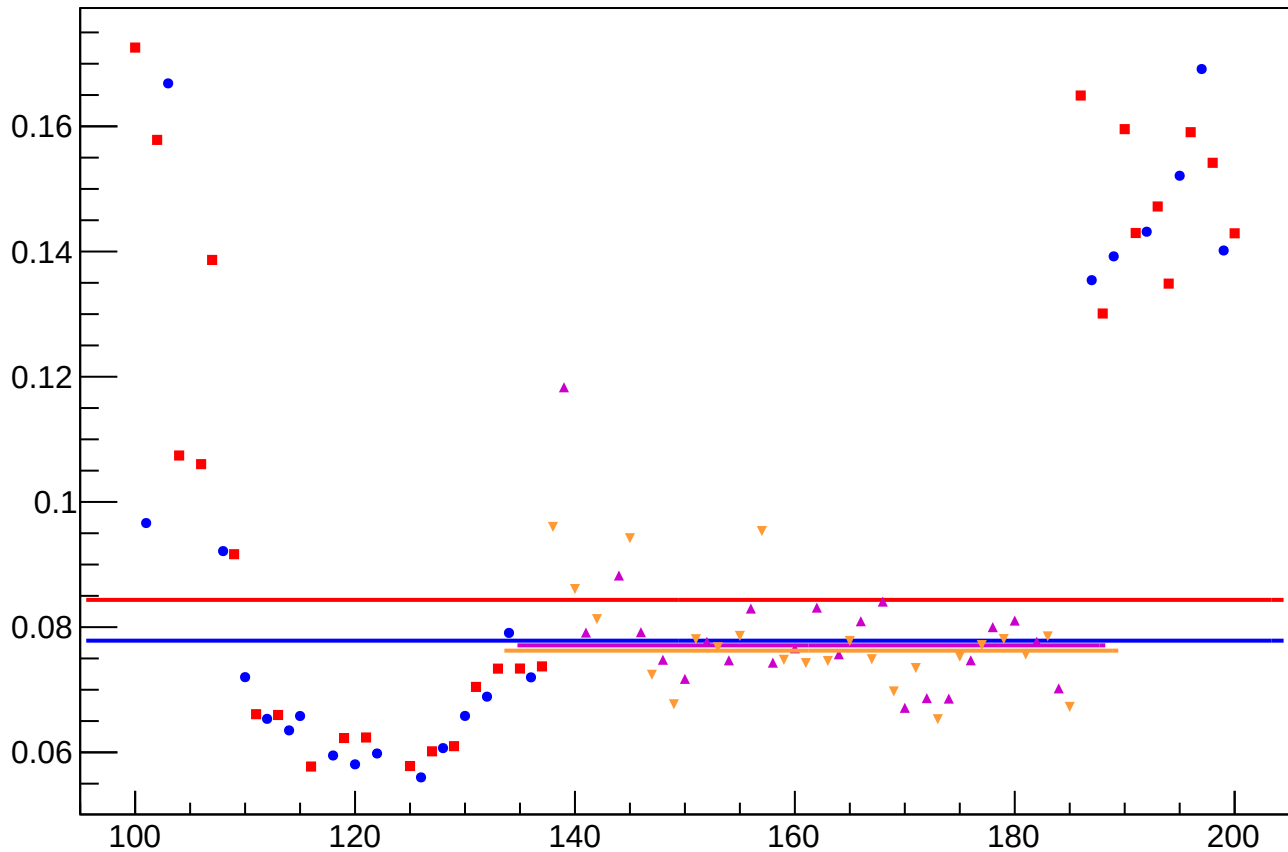
Left In: 30.809+/-0.000 χ^2 /NDF:821961762.3/22

+ sign 31.221+/-0.000 χ^2 /NDF: 4593023629.2/45

All: 31.231+/-0.000 χ^2 /NDF: 8810732341.2/9

- sign 31.241+/-0.000 χ^2 /NDF: 4216843876.5/49

yield_usl_rms vs Slug



Right In: 0.078+/-0.000 χ^2/NDF : 2596056.9/21

Left Out: 0.076+/-0.000 χ^2/NDF : 277876.5/23

Right Out: 0.084+/-0.000 χ^2/NDF : 3342731.9/26

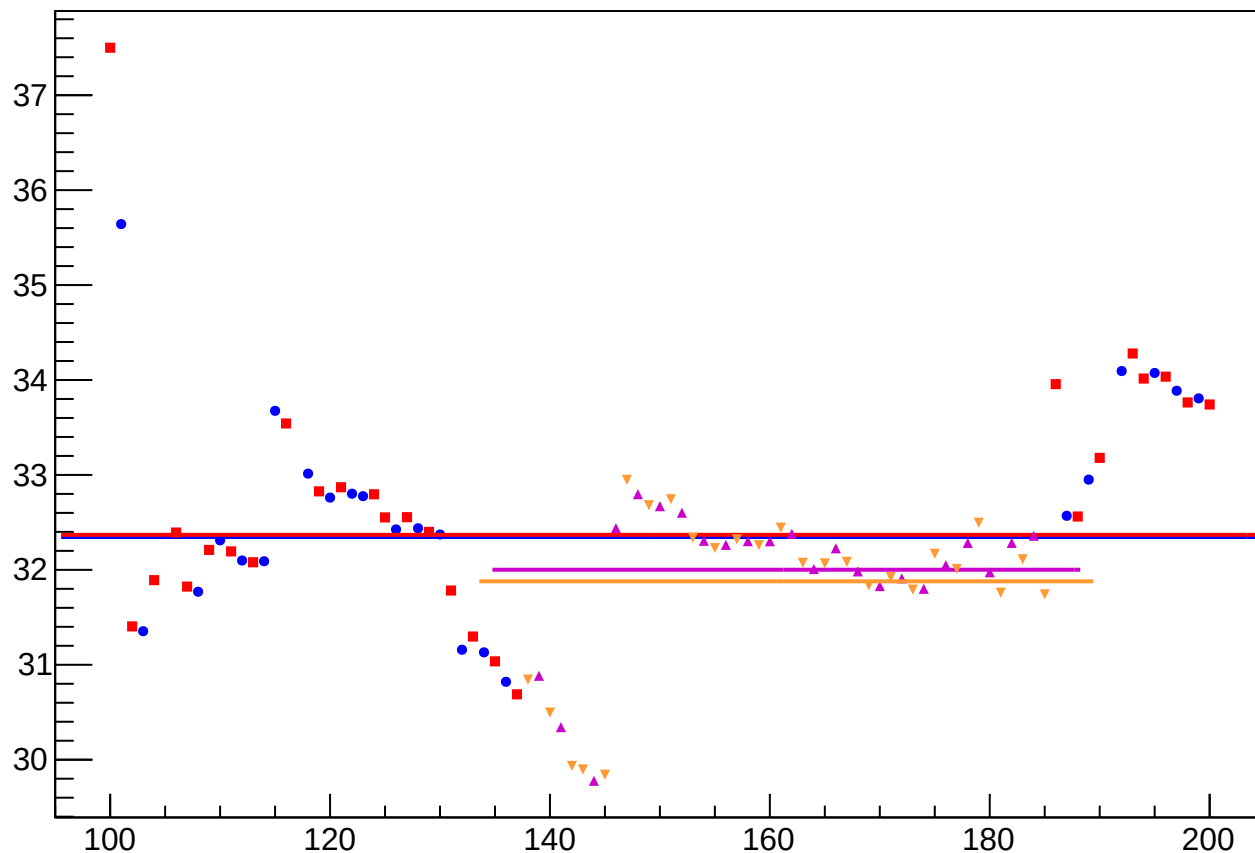
Left In: 0.077+/-0.000 χ^2/NDF : 325844.3/22

+ sign 0.077+/-0.000 χ^2/NDF : 2878685.3/45

All: 0.078+/-0.000 χ^2/NDF : 6681021.0/95

- sign 0.080+/-0.000 χ^2/NDF : 3768121.3/49

yield_usr_mean vs Slug



Right In: 32.346+/-0.000 χ^2 /NDF: 1203149053.6/22

Left Out: 31.879+/-0.000 χ^2 /NDF: 1976281391.1/24

Right Out: 32.369+/-0.000 χ^2 /NDF: 734887999.8/26

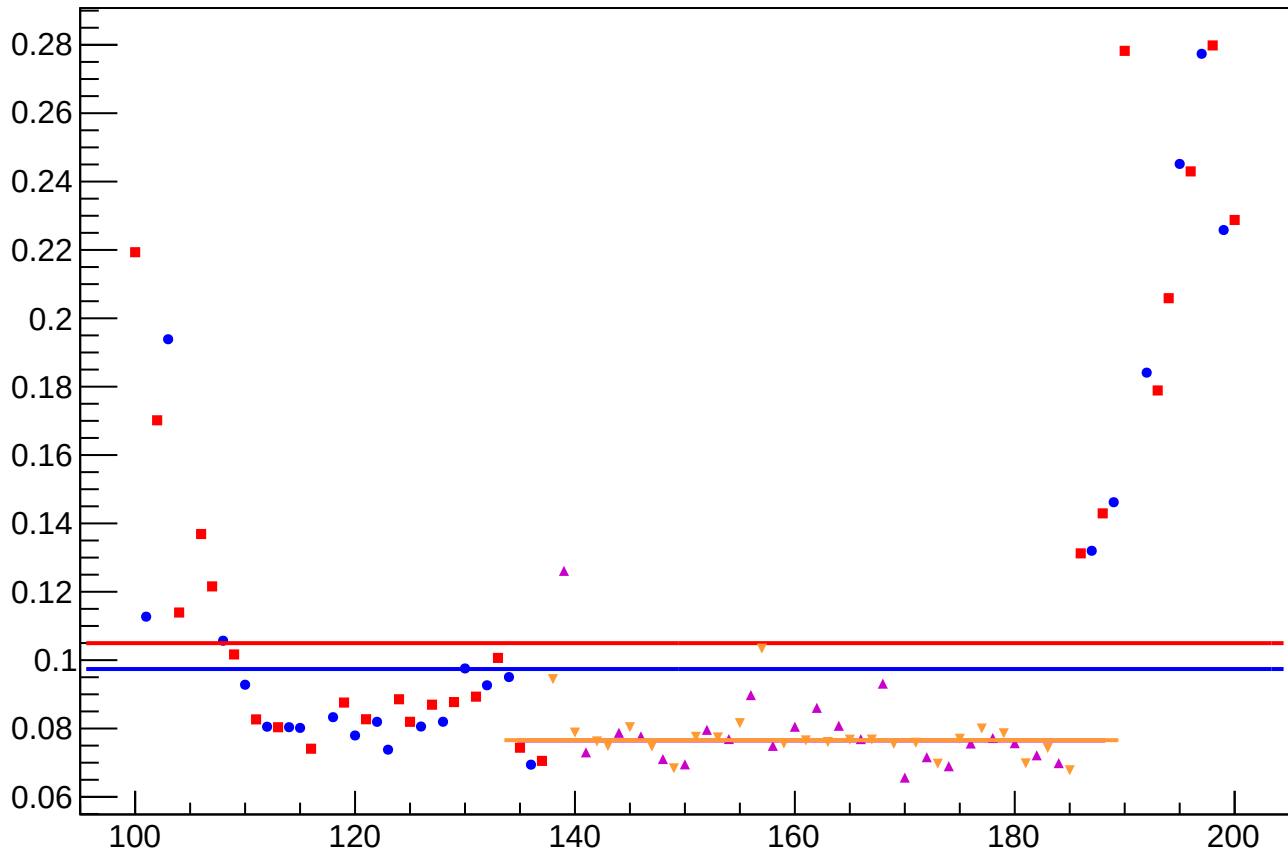
Left In: 32.001+/-0.000 χ^2 /NDF: 1411110671.9/22

+ sign 31.988+/-0.000 χ^2 /NDF: 3325765604.7/47

All: 32.040+/-0.000 χ^2 /NDF: 5584330148.6/9

- sign 32.093+/-0.000 χ^2 /NDF: 2238285077.4/49

yield_usr_rms vs Slug



Right In: 0.097 $\pm$ 0.000 χ^2 /NDF: 2971882.1/22

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

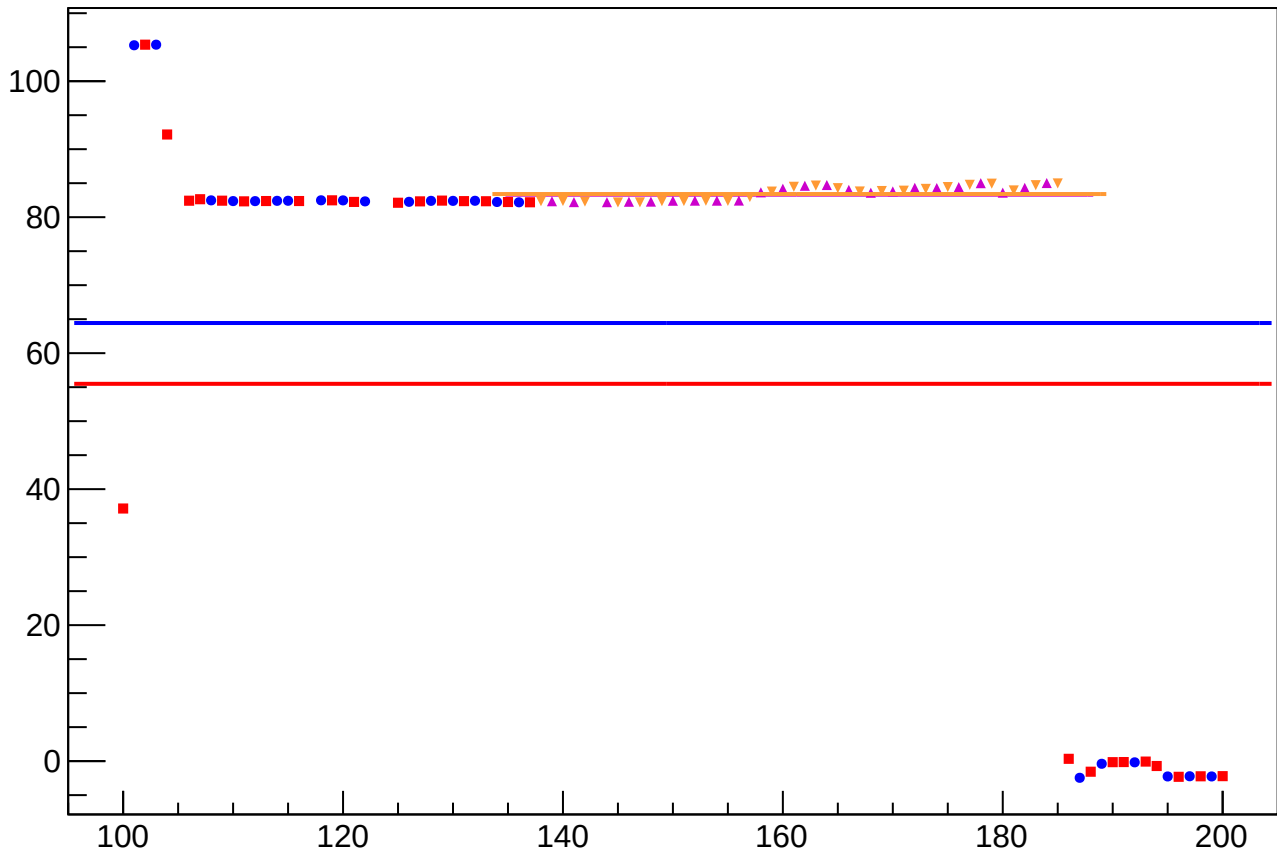
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.081 $\pm$ 0.000 χ^2 /NDF: 3762653.4/47

All: 0.082 $\pm$ 0.000 χ^2 /NDF: 8827267.2/97

- sign 0.084 $\pm$ 0.000 χ^2 /NDF: 5047765.4/49

yield_dsl_mean vs Slug



Right In: 64.435+/-0.000 χ^2/NDF : 7570838403263.8/21

Left Out: 83.402+/-0.000 χ^2/NDF : 8756634444.3/23

Right Out: 55.491+/-0.000 χ^2/NDF : 10028795306538.5/26

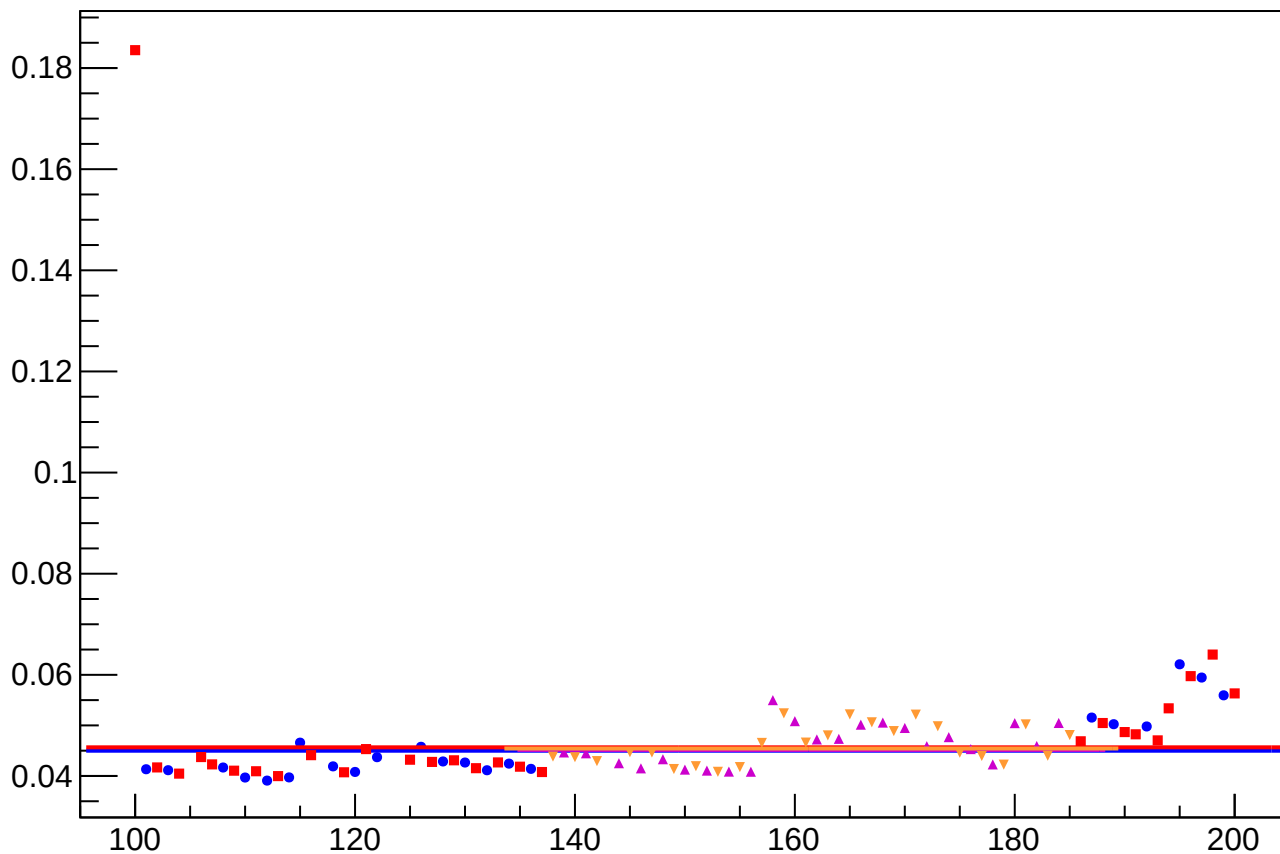
Left In: 83.309+/-0.000 χ^2/NDF : 8421247810.9/22

+ sign 76.250+/-0.000 χ^2/NDF : 8703752549959.8/4

All: 73.922+/-0.000 χ^2/NDF : 2155613851534

- sign 71.747+/-0.000 χ^2/NDF : 12712920926924.3/4

yield_dsl_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 400415.0/21

Left Out: 0.045+/-0.000 χ^2/NDF : 206685.9/23

Right Out: 0.046+/-0.000 χ^2/NDF : 525301.7/26

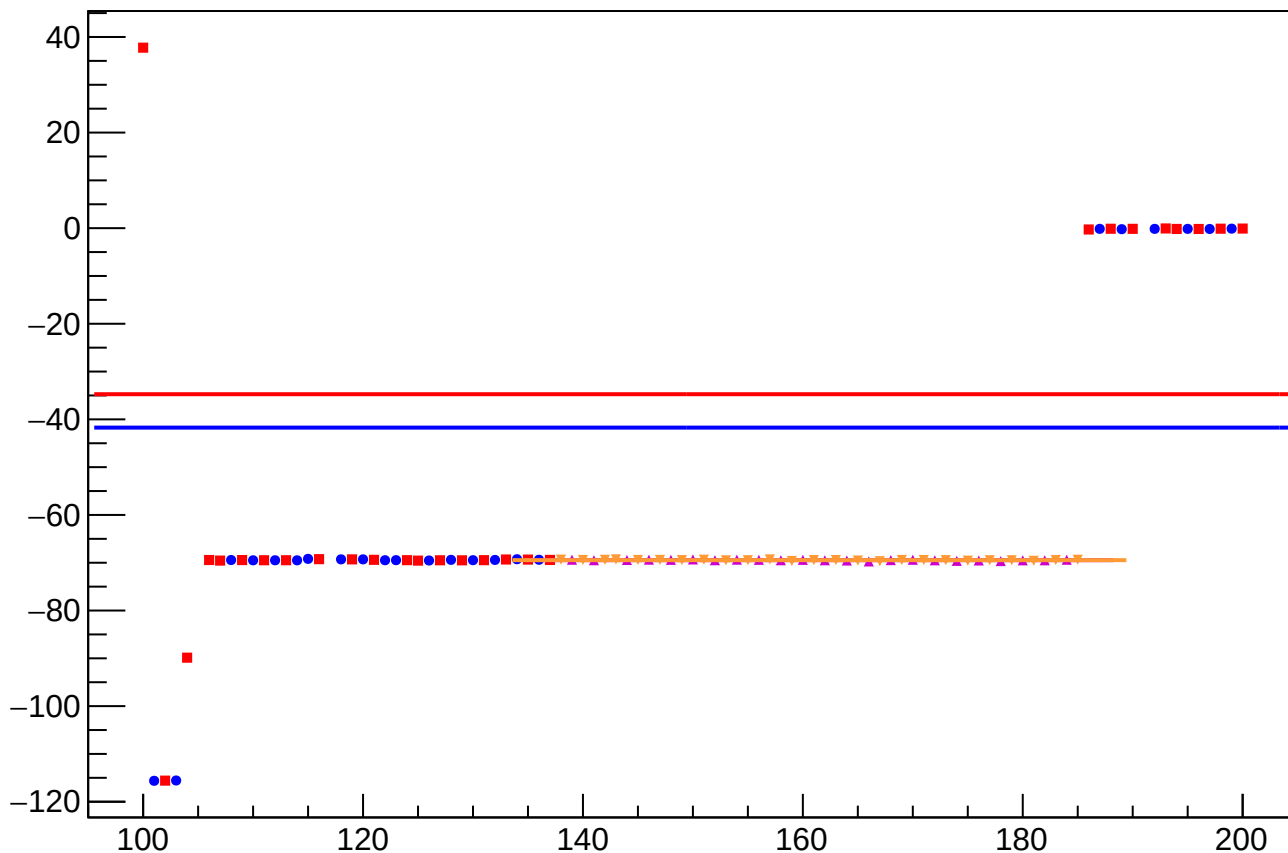
Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

+ sign 0.045+/-0.000 χ^2/NDF : 608296.0/45

All: 0.045+/-0.000 χ^2/NDF : 1378475.5/95

- sign 0.045+/-0.000 χ^2/NDF : 770059.4/49

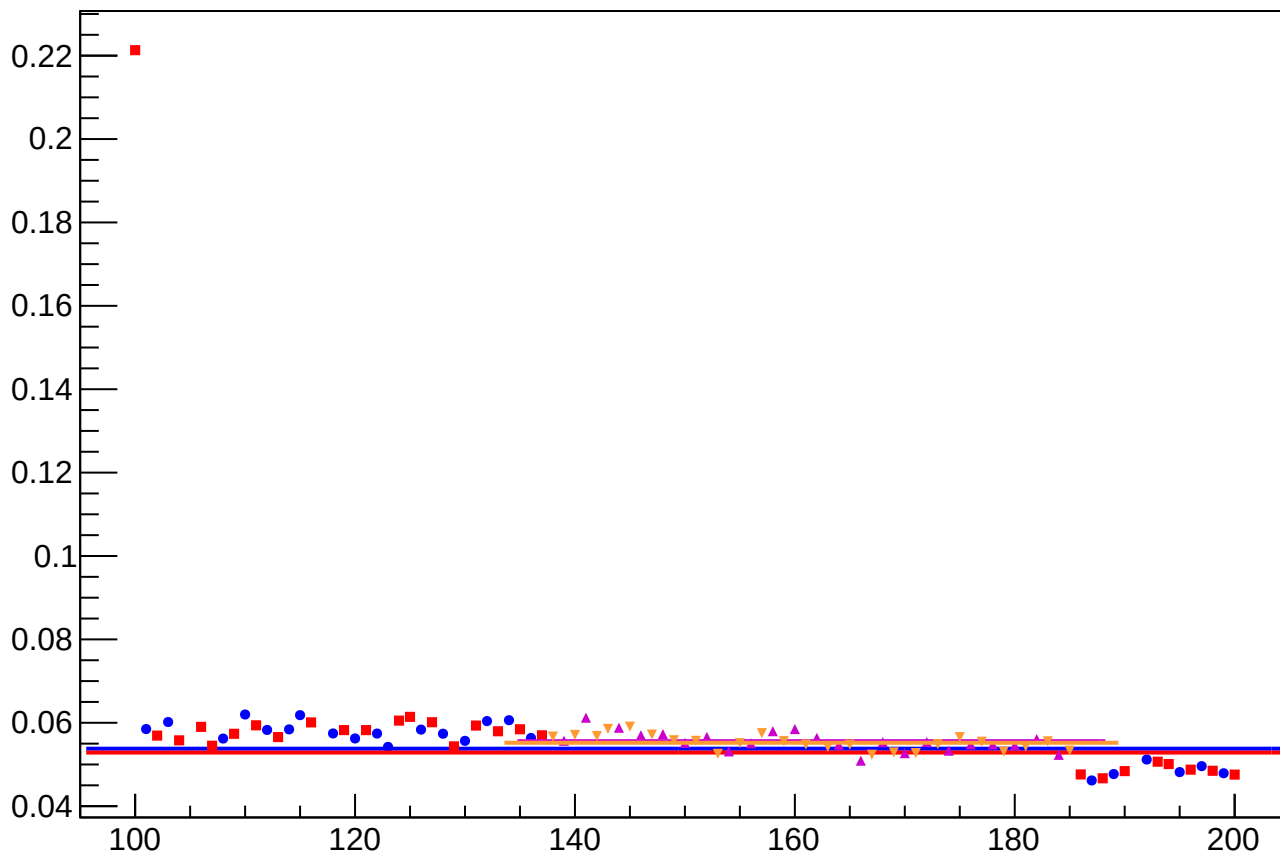
yield_dsr_mean vs Slug



Right In: -41.727 ± 0.000 $\chi^2/\text{NDF}: 5759955317293.6/22$
 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 -58.999 ± 0.000 $\chi^2/\text{NDF}: 7451812292522.0/22$
 All: -56.424 ± 0.000 $\chi^2/\text{NDF}: 169201919632.0/22$
 - sign -53.973 ± 0.000 $\chi^2/\text{NDF}: 9347250904562.1/22$

yield_dsr_rms vs Slug



Right In: 0.054+/-0.000 χ^2/NDF : 164262.8/22

Left Out: 0.055+/-0.000 χ^2/NDF : 38761.8/24

Right Out: 0.053+/-0.000 χ^2/NDF : 287490.2/26

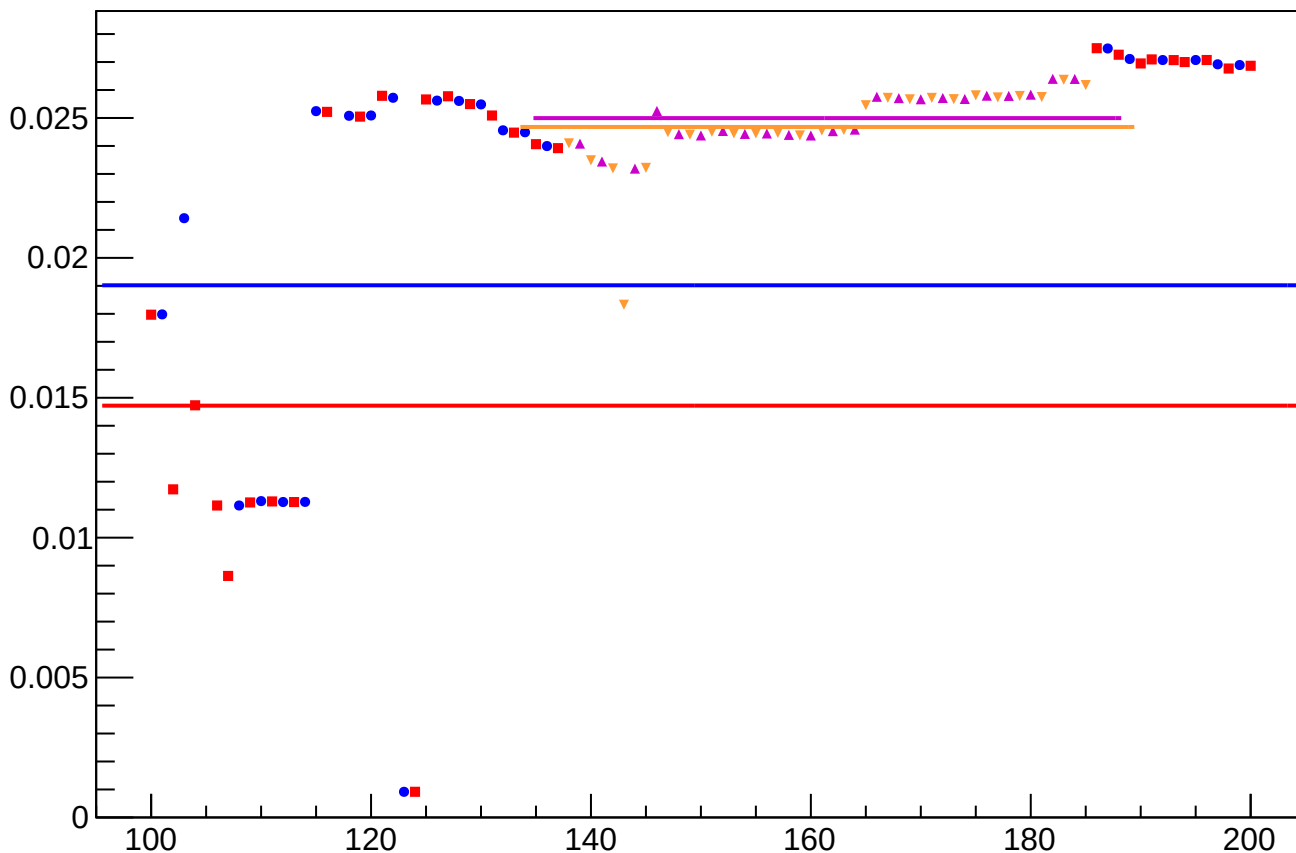
Left In: 0.056+/-0.000 χ^2/NDF : 52190.5/22

+ sign 0.055+/-0.000 χ^2/NDF : 211897.4/47

All: 0.055+/-0.000 χ^2/NDF : 588786.3/97

- 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: 161900350745.4/22

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

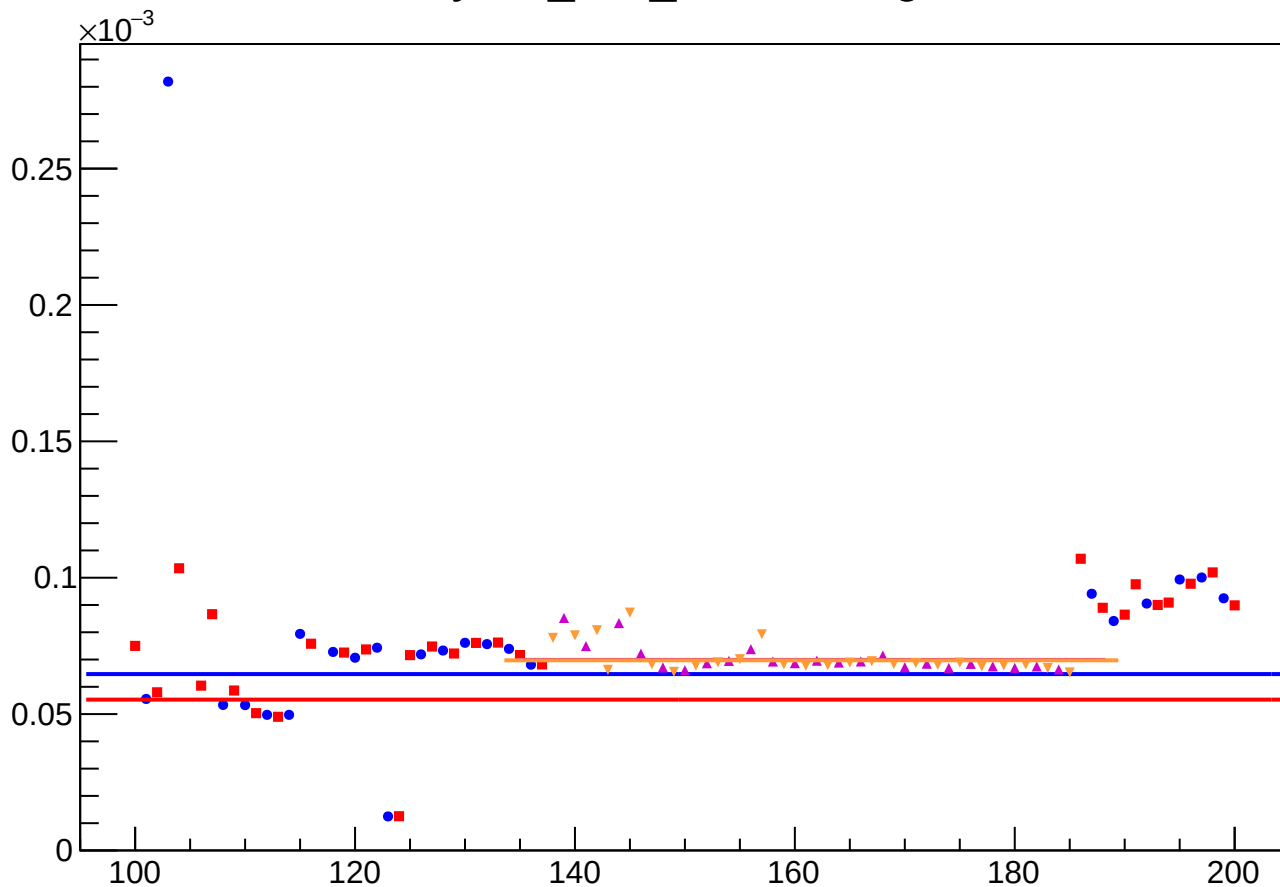
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 214762155369.9/47

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 770290157140.4

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 537629176880.7/50

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2951466.1/22

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:158125.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6063470.1/27

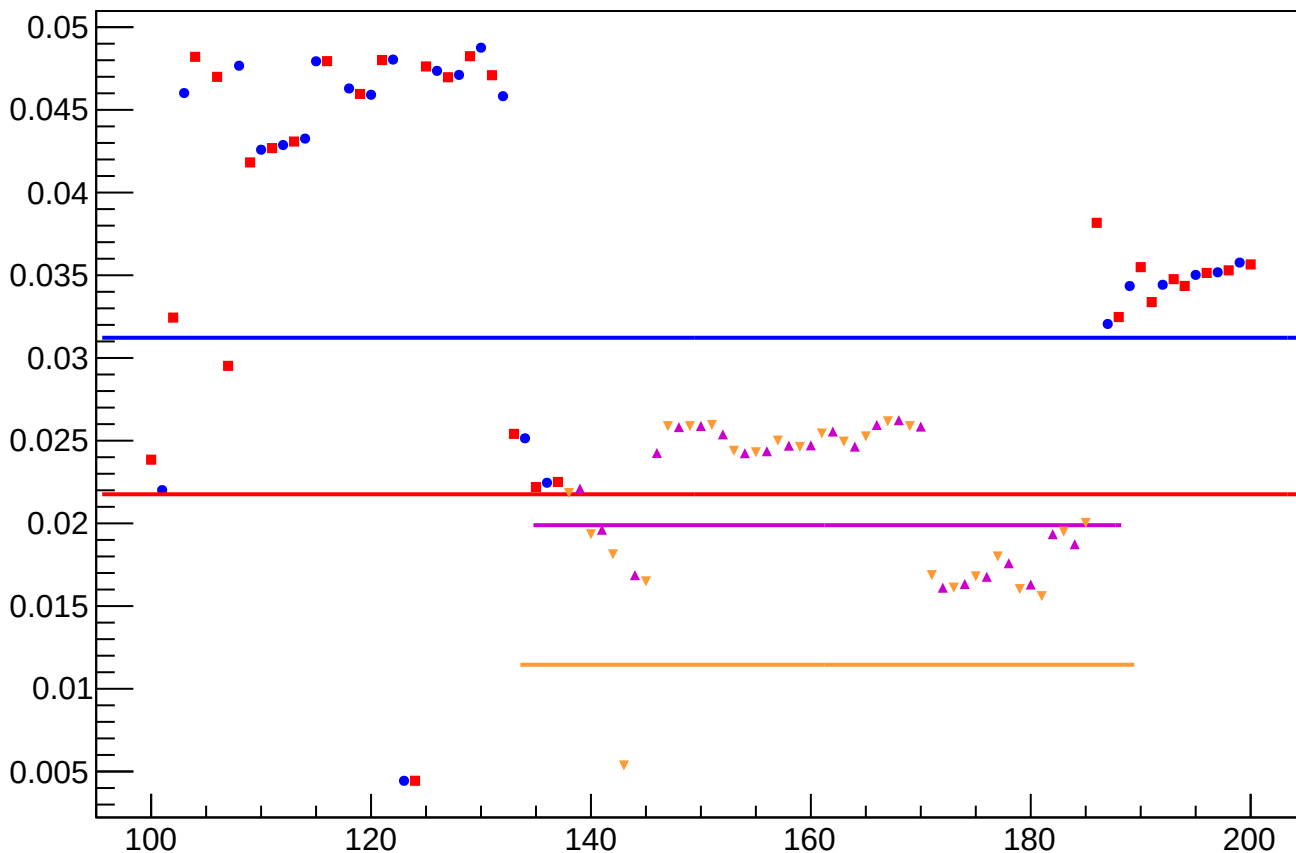
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:129289.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3178359.6/47

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10206211.8/98

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6885964.8/50

yield_atl2_mean vs Slug



Right In: 0.031 $\pm$ 0.000 χ^2 /NDF: 21232003145.4/22

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 40294472965.0/24

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 90038242889.5/47

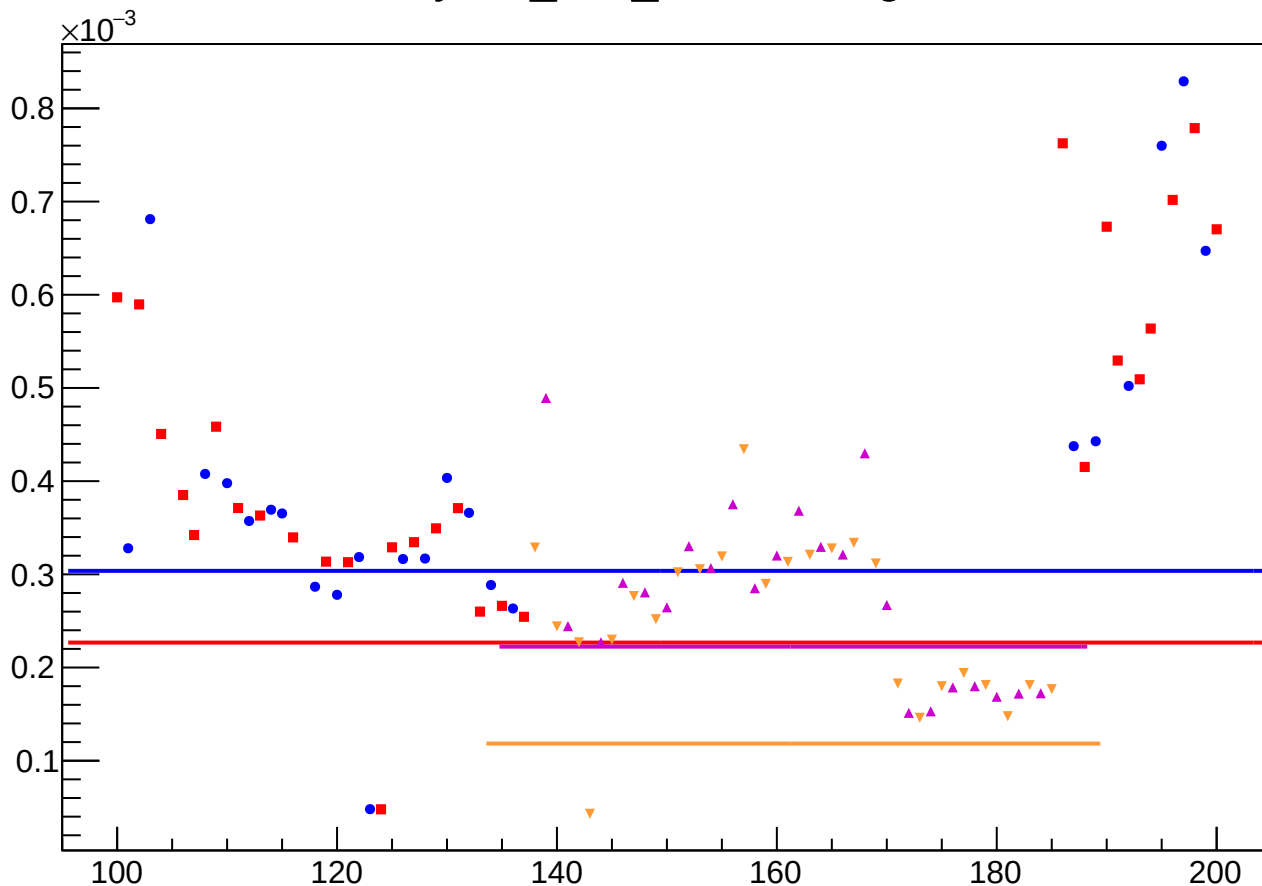
Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 42830470014.0/27

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 151293309595.3

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 47610052910.6/50

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4583431.9/22

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

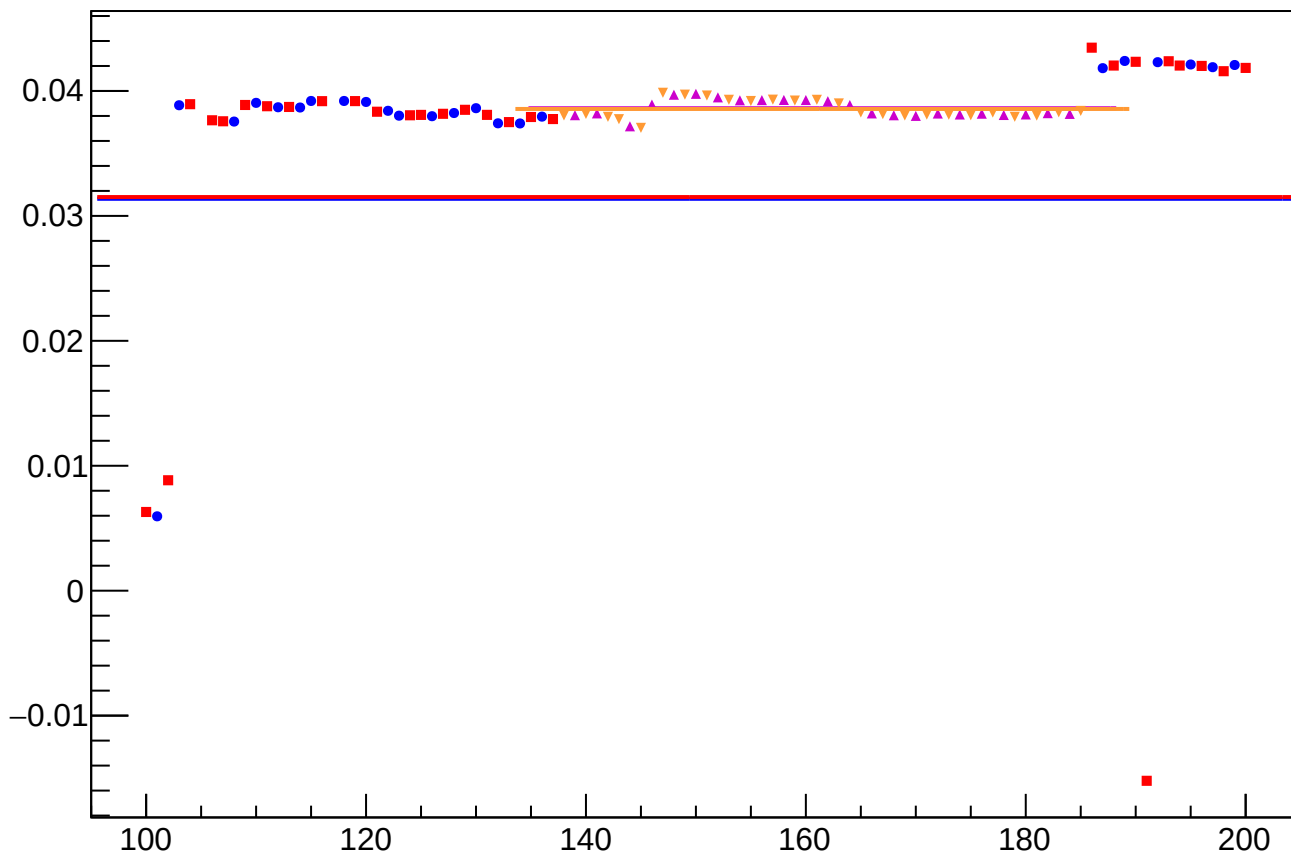
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3281119.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23158594.8/47

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40789436.3/98

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13474266.1/50

yield_atr1_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 106192521036.3/22

Left Out: 0.039+/-0.000 χ^2/NDF : 539468437.3/24

+ sign 0.036+/-0.000 χ^2/NDF : 125366808535.6/47

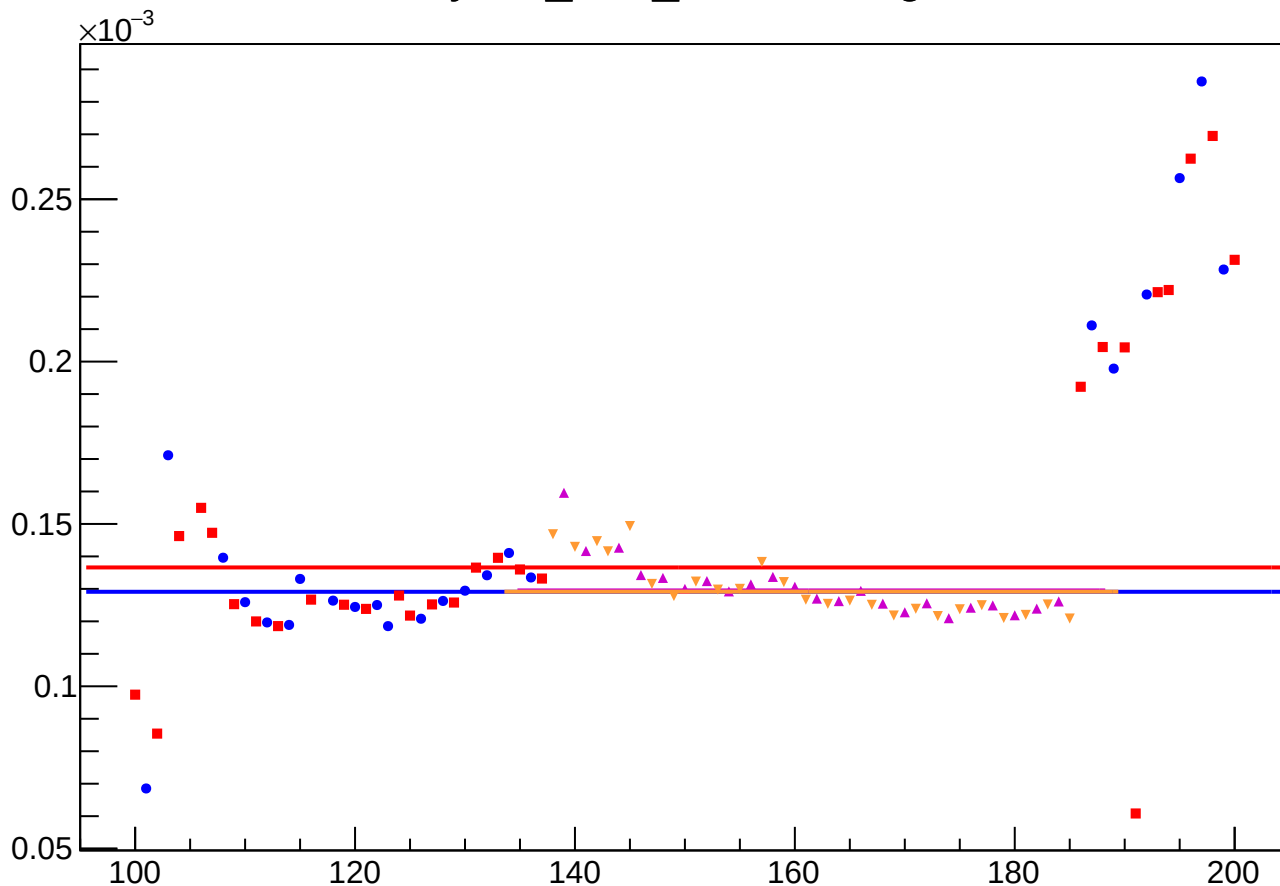
Right Out: 0.032+/-0.000 χ^2/NDF : 174408273689.1/27

All: 0.036+/-0.000 χ^2/NDF : 319169048246.1

Left In: 0.039+/-0.000 χ^2/NDF : 465745982.6/22

- sign 0.036+/-0.000 χ^2/NDF : 193782999730.2/50

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2595449.9/22

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2760267.9/27

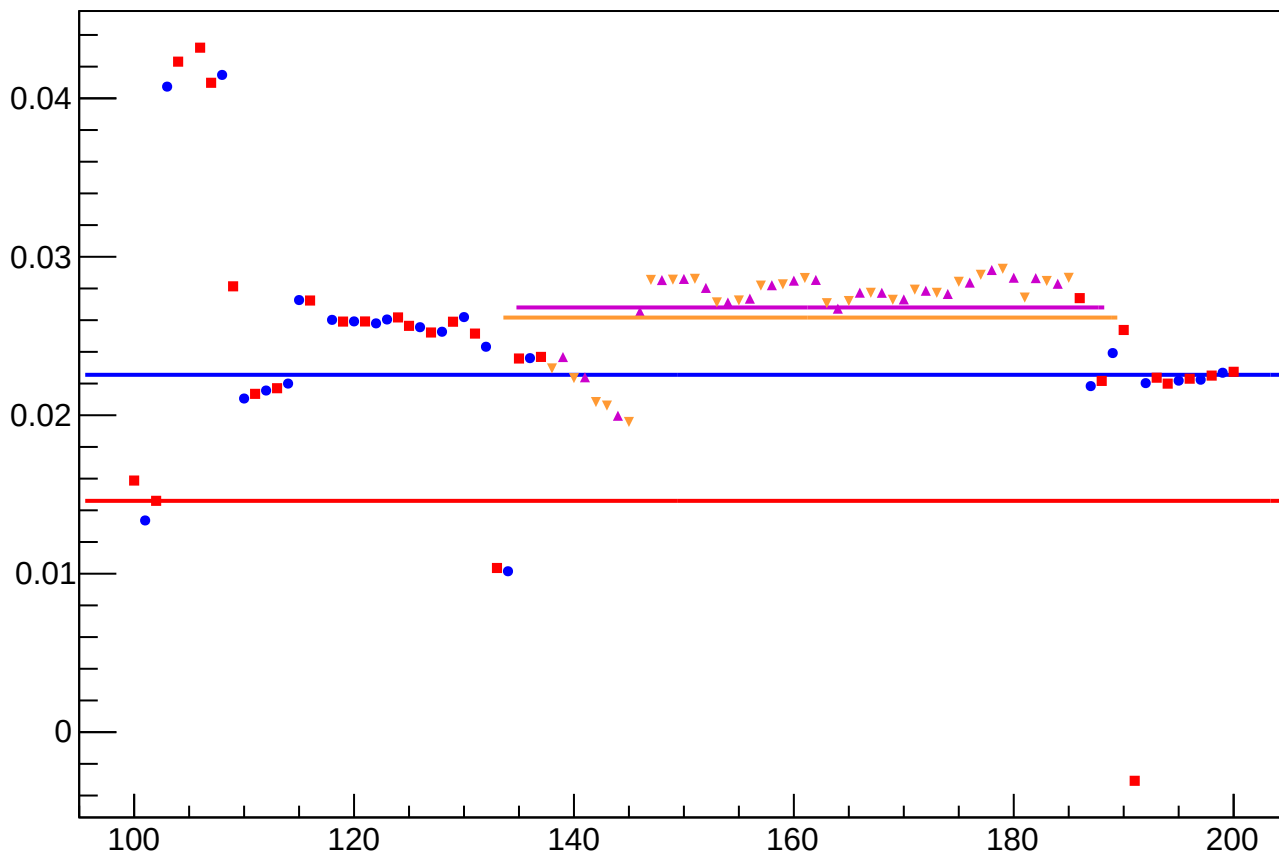
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2725772.8/47

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5652714.7/98

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2912473.9/50

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4244177566.4/22

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 30858893088.3/27

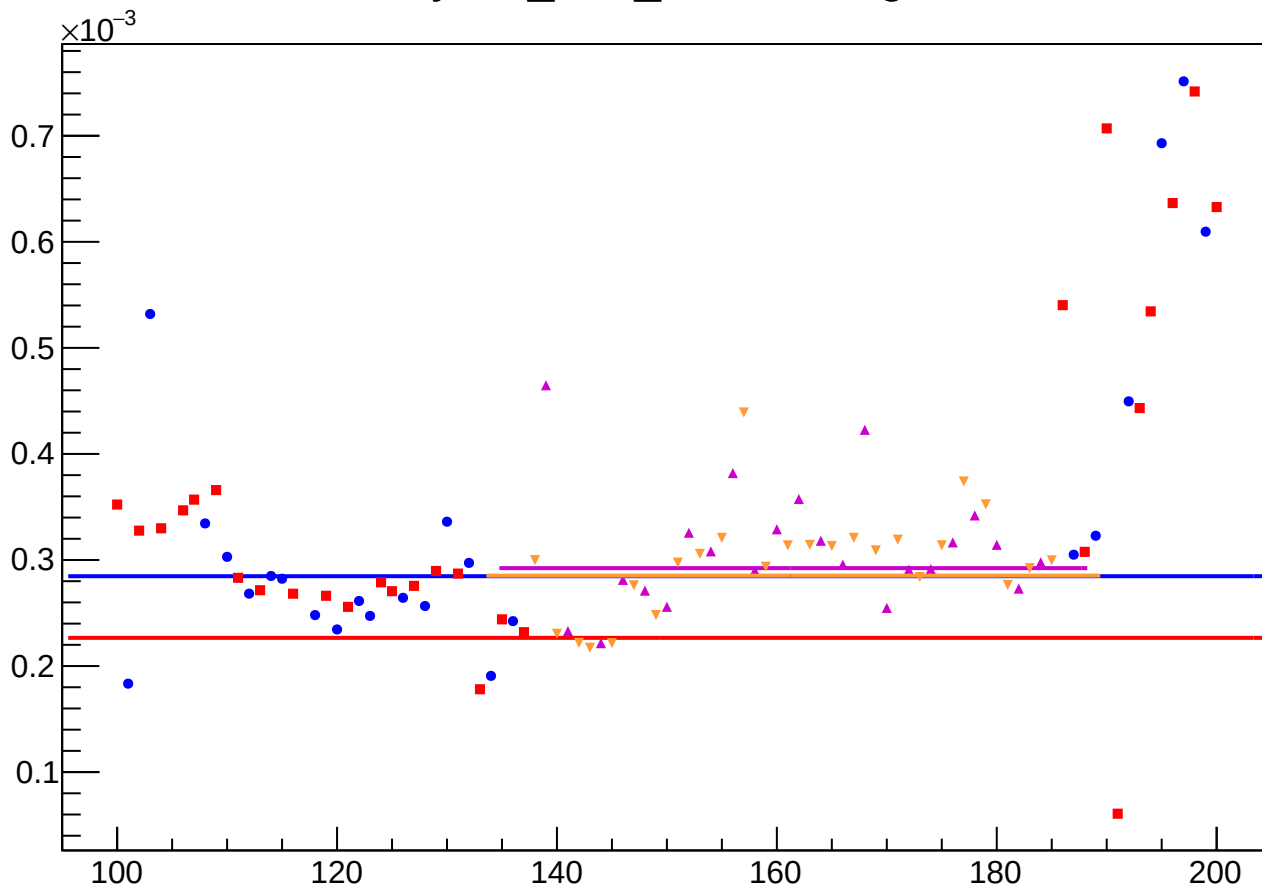
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7196867589.7/47

All: 0.023+/-0.000 χ^2/NDF : 54525923081.1/9

- 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: 2598012.5/22

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

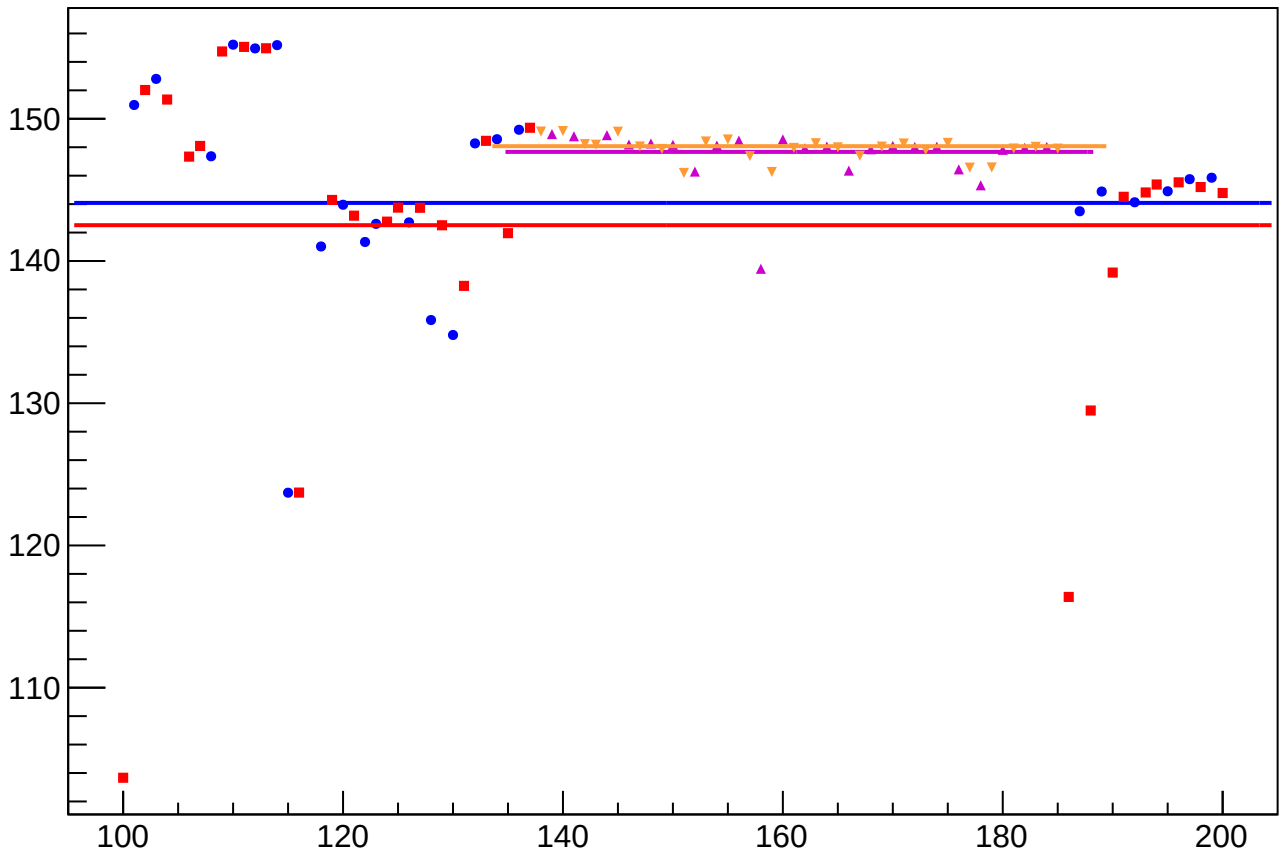
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3411518.6/47

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 12470472.3/98

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8882940.9/50

yield_bcm_an_ds_mean vs Slug



Right In: 144.085 $\pm$ 0.000 χ^2 /NDF: 3472798485.4/22

Left Out: 148.073 $\pm$ 0.000 χ^2 /NDF: 65614067.4/24

Right Out: 142.519 $\pm$ 0.000 χ^2 /NDF: 7365883090.5/27

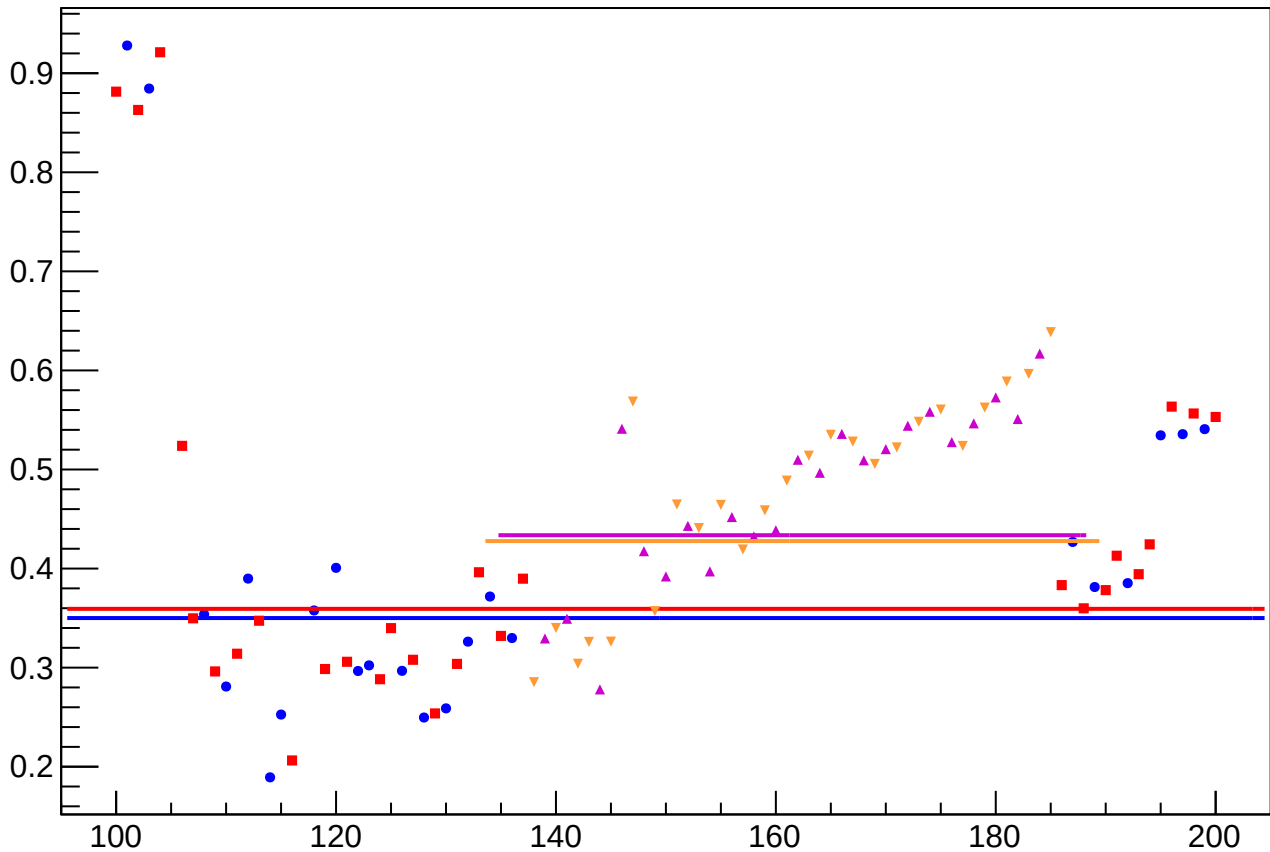
Left In: 147.670 $\pm$ 0.000 χ^2 /NDF: 345222604.4/22

+ sign 146.323 $\pm$ 0.000 χ^2 /NDF: 4185934517.7/47

All: 145.699 $\pm$ 0.000 χ^2 /NDF: 13167579392.

- sign 145.101 $\pm$ 0.000 χ^2 /NDF: 8855543200.3/50

yield_bcm_an_ds_rms vs Slug



Right In: 0.350 $\pm$ 0.000 χ^2 /NDF: 1965827.9/22

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

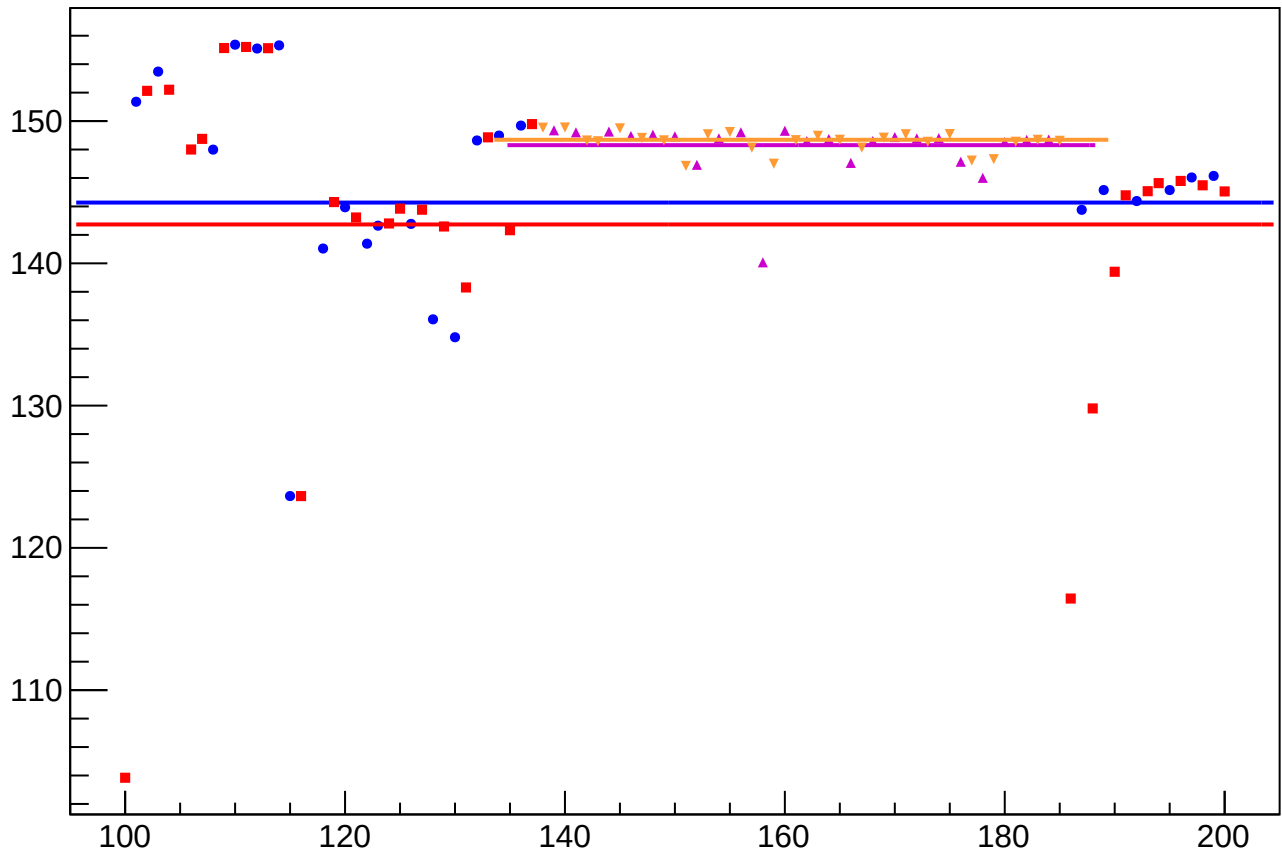
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.394 $\pm$ 0.000 χ^2 /NDF: 4354188.7/47

All: 0.395 $\pm$ 0.000 χ^2 /NDF: 8364430.6/98

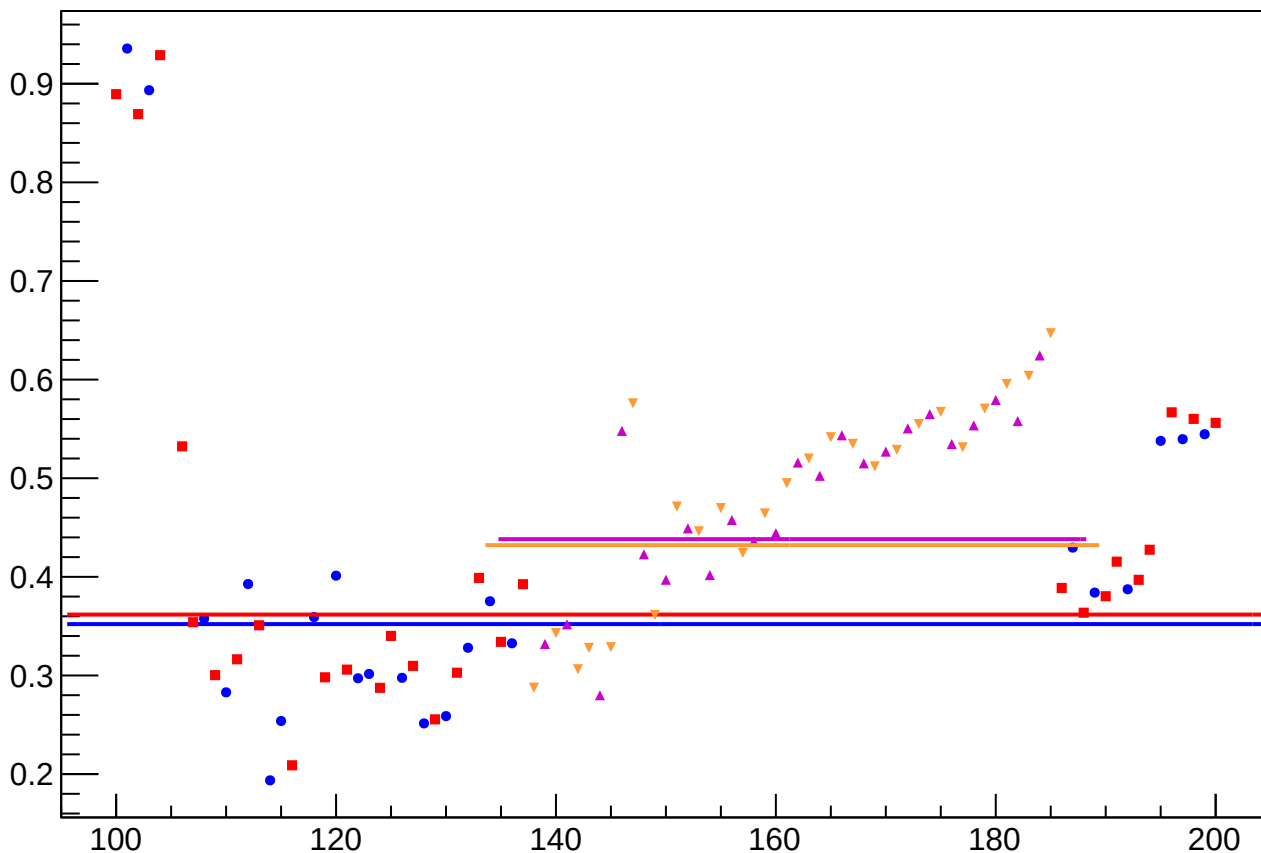
- sign 0.397 $\pm$ 0.000 χ^2 /NDF: 4008758.9/50

yield_bcm_an_ds3_mean vs Slug



Right In: 144.272 $\pm$ 0.000	χ^2 /NDF: 3519985805.1/22	+ sign 146.739 $\pm$ 0.000	χ^2 /NDF: 4353048202.5/47
Left Out: 148.686 $\pm$ 0.000	χ^2 /NDF: 52218185.1/24	All: 146.114 $\pm$ 0.000	χ^2 /NDF: 13440155633.
Right Out: 142.733 $\pm$ 0.000	χ^2 /NDF: 7312574166.8/27	- sign 145.516 $\pm$ 0.000	χ^2 /NDF: 8962946954.2/50
Left In: 148.307 $\pm$ 0.000	χ^2 /NDF: 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.352 $\pm$ 0.000 χ^2 /NDF: 1970178.4/22

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

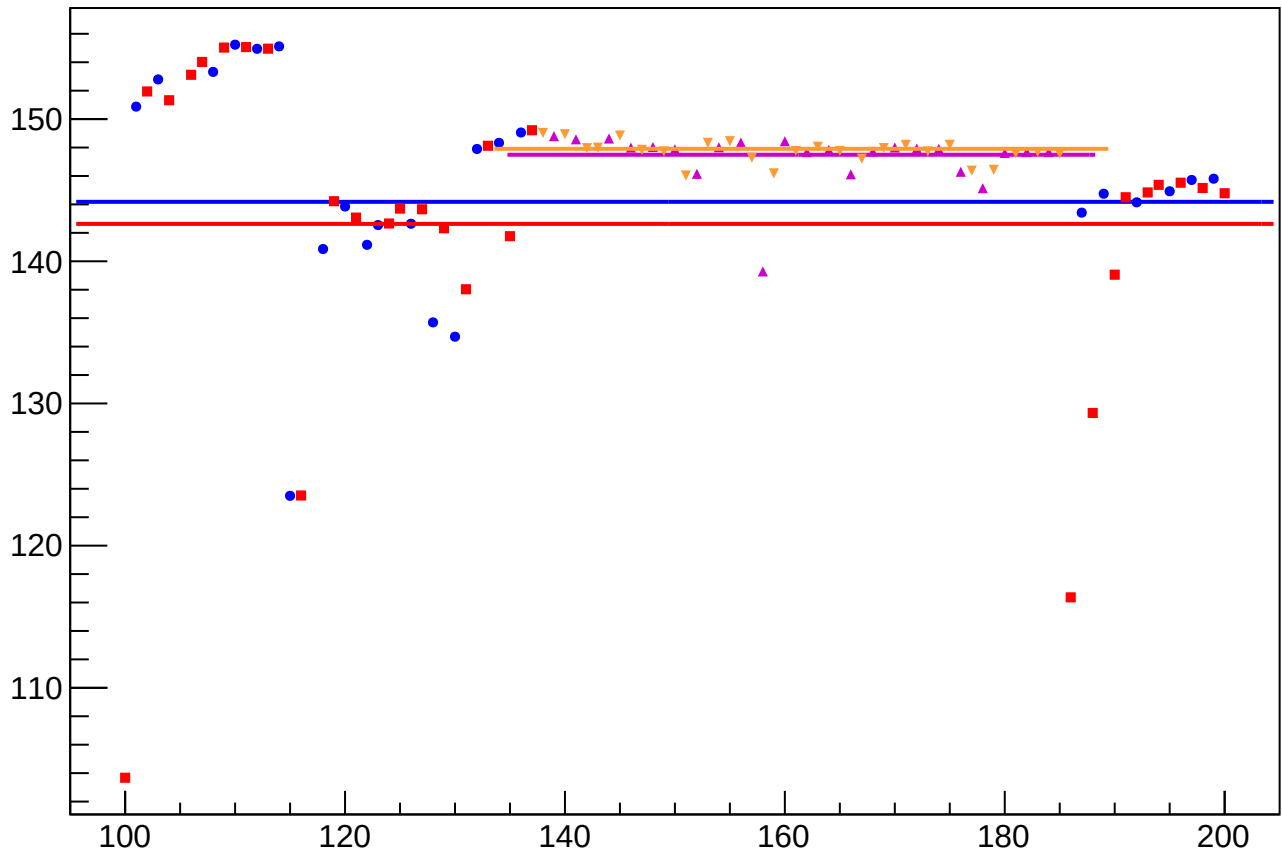
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.397 $\pm$ 0.000 χ^2 /NDF: 4412641.2/47

All: 0.398 $\pm$ 0.000 χ^2 /NDF: 8471571.0/98

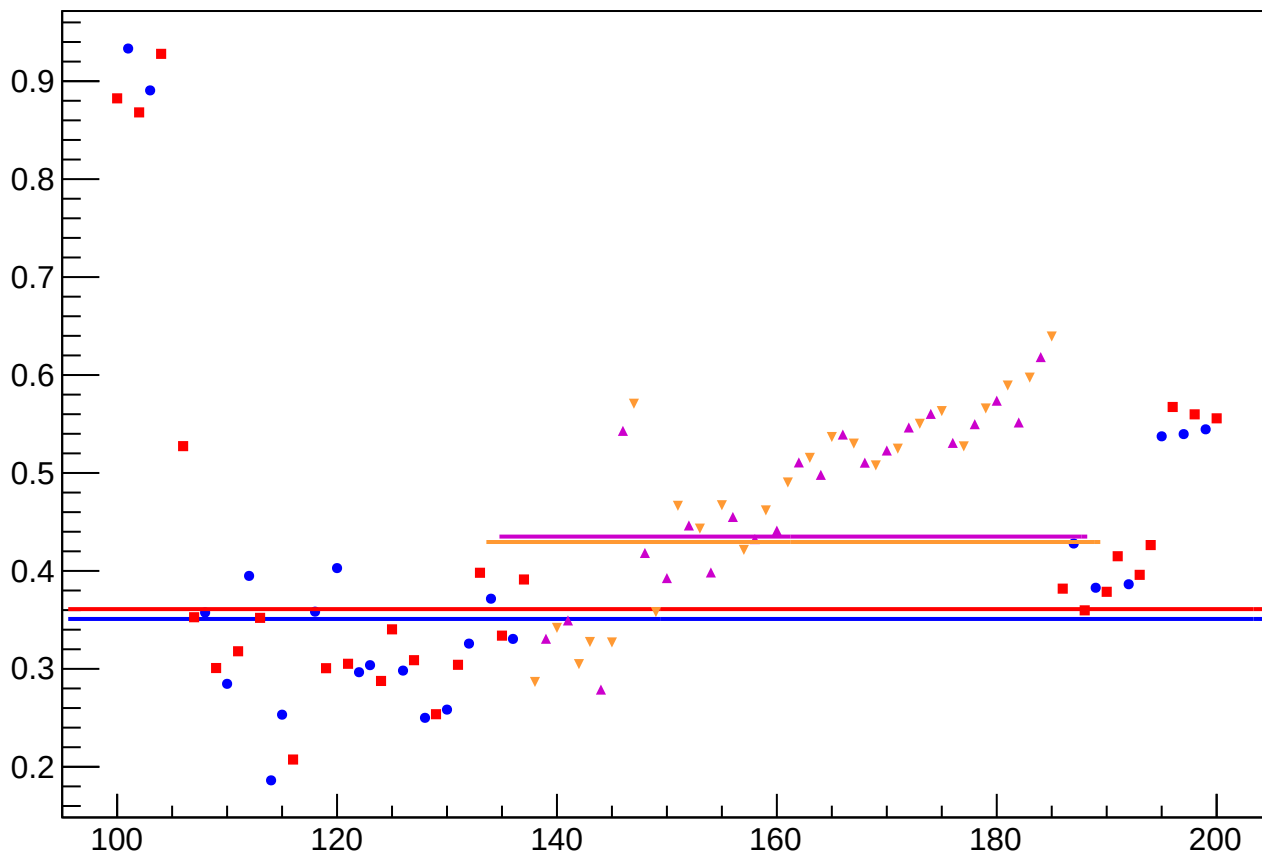
- sign 0.400 $\pm$ 0.000 χ^2 /NDF: 4057338.2/50

yield_bcm_an_us_mean vs Slug



Right In: 144.181+/-0.000	χ^2/NDF : 3681941982.7/22	+ sign 146.273+/-0.000	χ^2/NDF : 4308595842.8/47
Left Out: 147.911+/-0.000	χ^2/NDF : 64412407.9/24	All: 145.659+/-0.000	χ^2/NDF : 13534562531.
Right Out: 142.630+/-0.000	χ^2/NDF : 7748632712.4/27	- sign 145.071+/-0.000	χ^2/NDF : 9104835127.2/50
Left In: 147.493+/-0.000	χ^2/NDF : 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.351 ± 0.000 $\chi^2/\text{NDF}: 1990074.5/22$

Left Out: 0.430 ± 0.000 $\chi^2/\text{NDF}: 1895701.4/24$

Right Out: 0.361 ± 0.000 $\chi^2/\text{NDF}: 2040068.3/27$

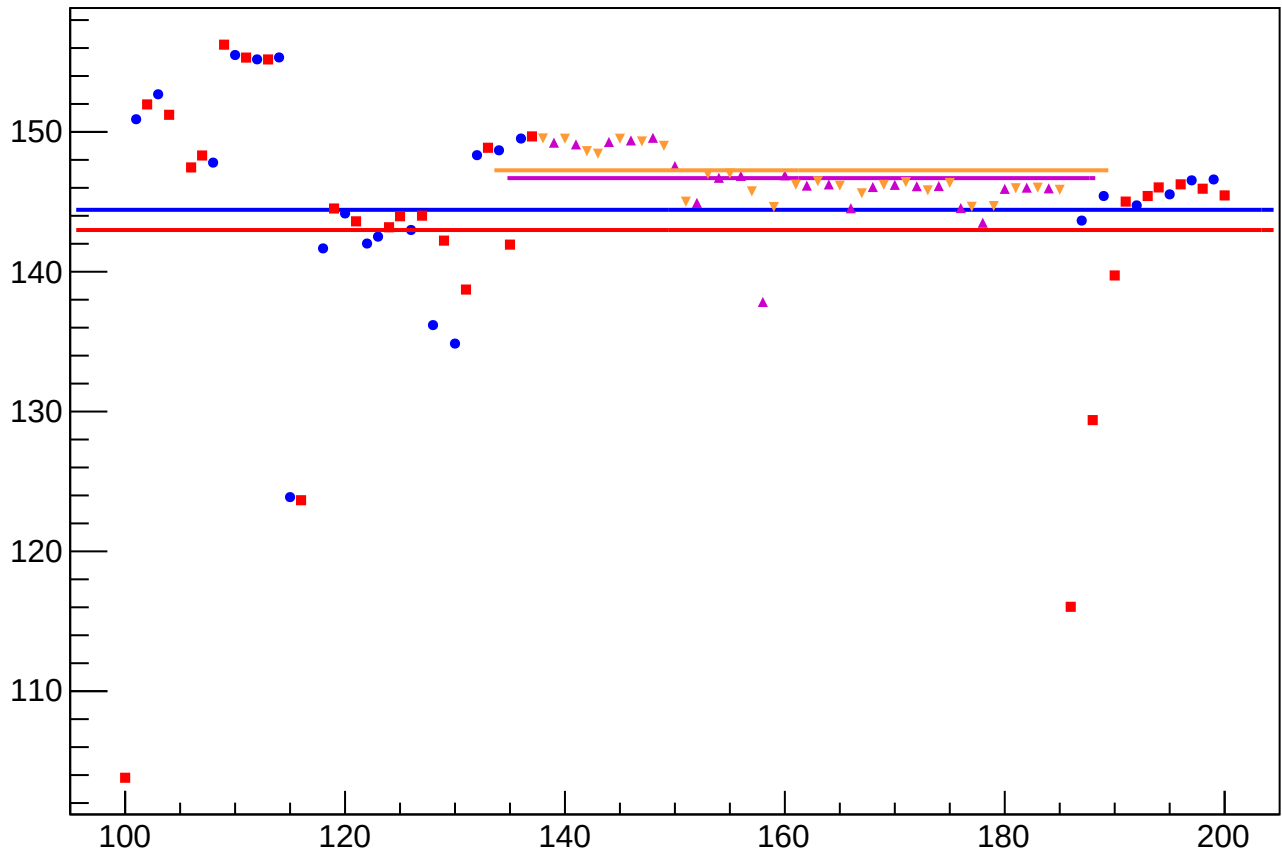
Left In: 0.435 ± 0.000 $\chi^2/\text{NDF}: 1502712.5/22$

+ sign 0.395 ± 0.000 $\chi^2/\text{NDF}: 4384688.7/47$

All: 0.397 ± 0.000 $\chi^2/\text{NDF}: 8398340.8/98$

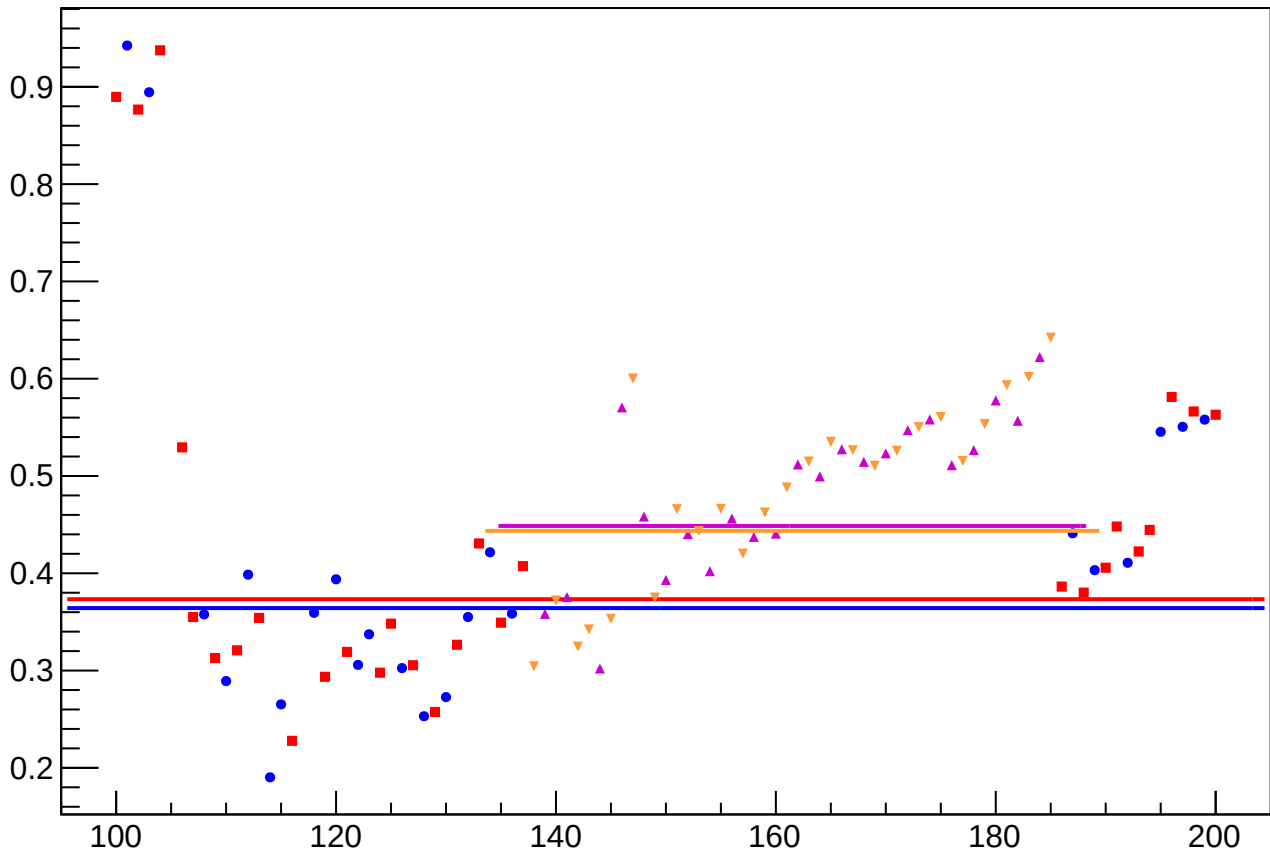
- sign 0.398 ± 0.000 $\chi^2/\text{NDF}: 4011984.9/50$

yield_bcm_dg_us_mean vs Slug



Right In: 144.429+/-0.000	χ^2/NDF : 3197063204.3/22	+ sign 146.028+/-0.000	χ^2/NDF : 3761133503.9/47
Left Out: 147.255+/-0.000	χ^2/NDF : 262138049.8/24	All: 145.432+/-0.000	χ^2/NDF : 12054690181.0
Right Out: 142.983+/-0.000	χ^2/NDF : 7073801222.9/27	- sign 144.863+/-0.000	χ^2/NDF : 8186732153.3/50
Left In: 146.695+/-0.000	χ^2/NDF : 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.364 $\pm$ 0.000 χ^2 /NDF: 1950464.9/22

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.373 $\pm$ 0.000 χ^2 /NDF: 1993651.8/27

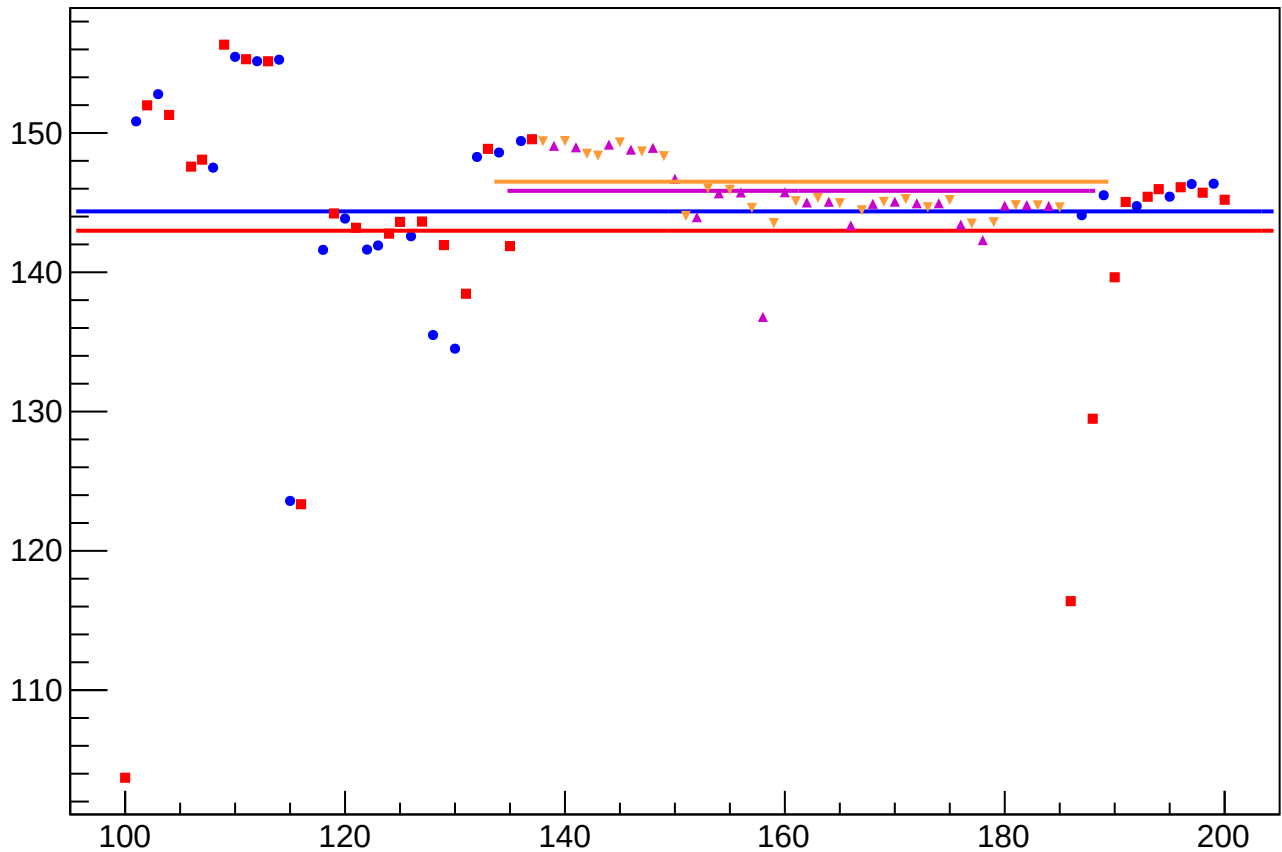
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.409 $\pm$ 0.000 χ^2 /NDF: 3910204.1/47

All: 0.410 $\pm$ 0.000 χ^2 /NDF: 7494119.0/98

- sign 0.411 $\pm$ 0.000 χ^2 /NDF: 3583054.5/50

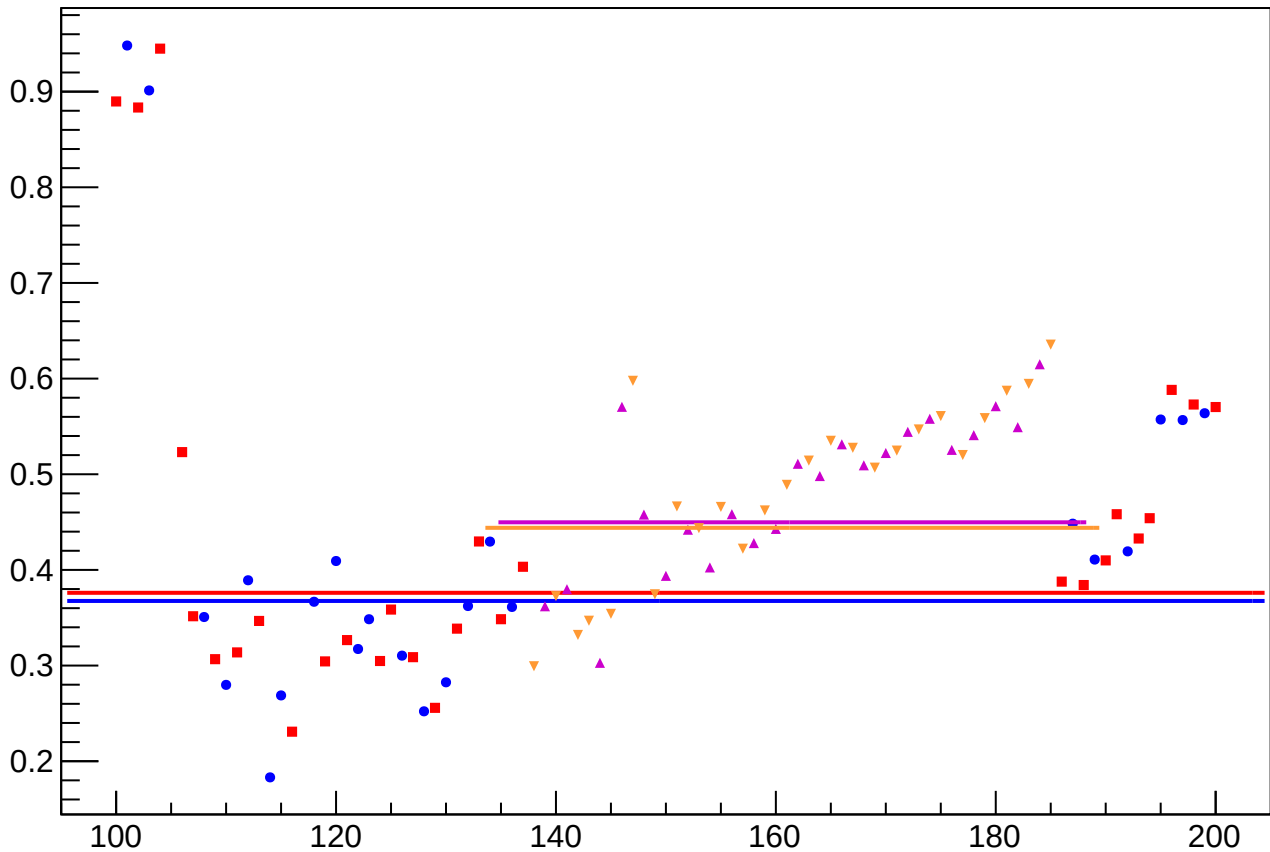
yield_bcm_dg_ds_mean vs Slug



Right In: 144.372 ± 0.000 χ^2/NDF : 3313050010.1/22
 Left Out: 146.505 ± 0.000 χ^2/NDF : 401688176.3/24
 Right Out: 142.984 ± 0.000 χ^2/NDF : 7037945155.1/27
 Left In: 145.847 ± 0.000 χ^2/NDF : 694764545.6/22

+ sign 145.590 ± 0.000 χ^2/NDF : 3884382333.8/47
 All: 145.003 ± 0.000 χ^2/NDF : 12045521413.
 - sign 144.443 ± 0.000 χ^2/NDF : 8058816980.8/50

yield_bcm_dg_ds_rms vs Slug



Right In: 0.368 ± 0.000 $\chi^2/\text{NDF}: 1987897.8/22$

Left Out: 0.444 ± 0.000 $\chi^2/\text{NDF}: 1463293.5/24$

Right Out: 0.376 ± 0.000 $\chi^2/\text{NDF}: 2013387.0/27$

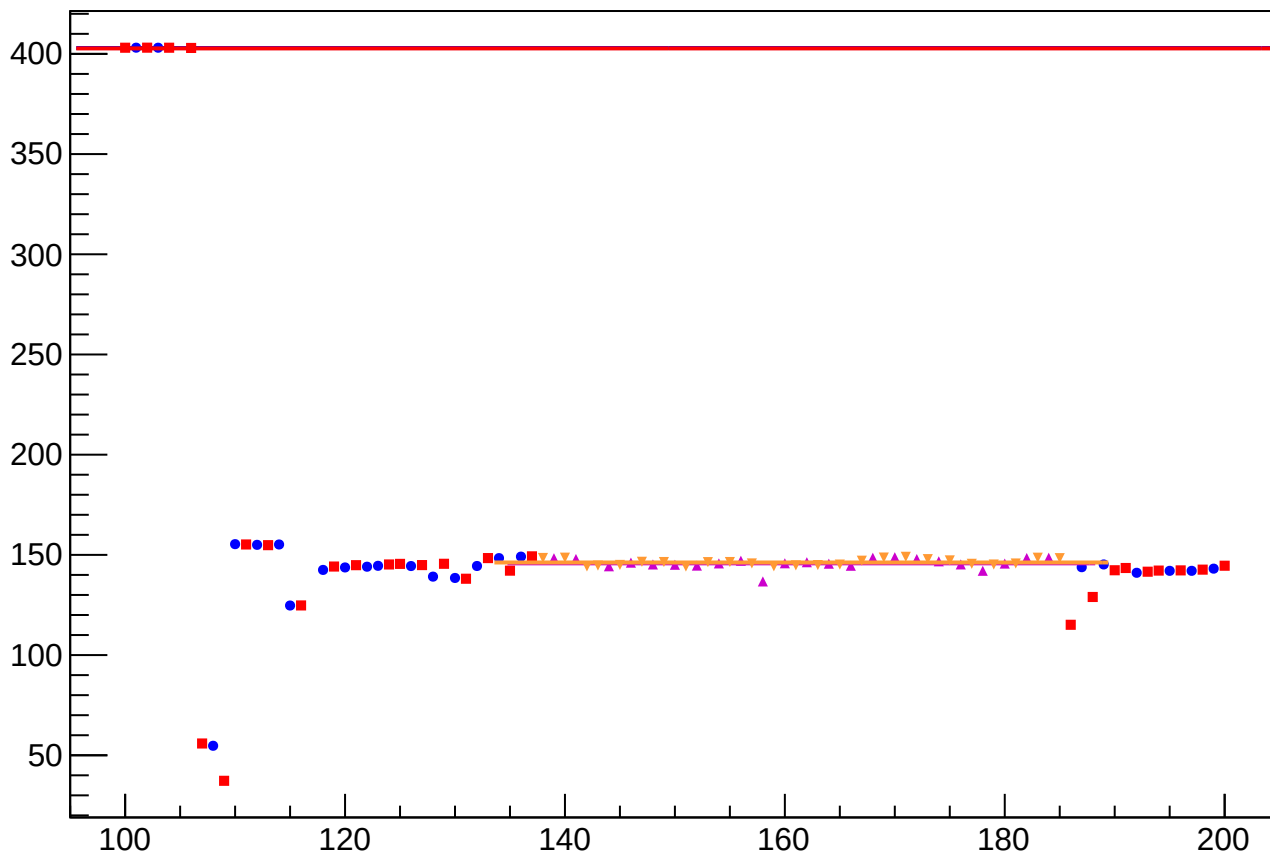
Left In: 0.450 ± 0.000 $\chi^2/\text{NDF}: 1105405.0/22$

+ sign 0.411 ± 0.000 $\chi^2/\text{NDF}: 3887040.6/47$

All: 0.412 ± 0.000 $\chi^2/\text{NDF}: 7439217.2/98$

- sign 0.414 ± 0.000 $\chi^2/\text{NDF}: 3551263.1/50$

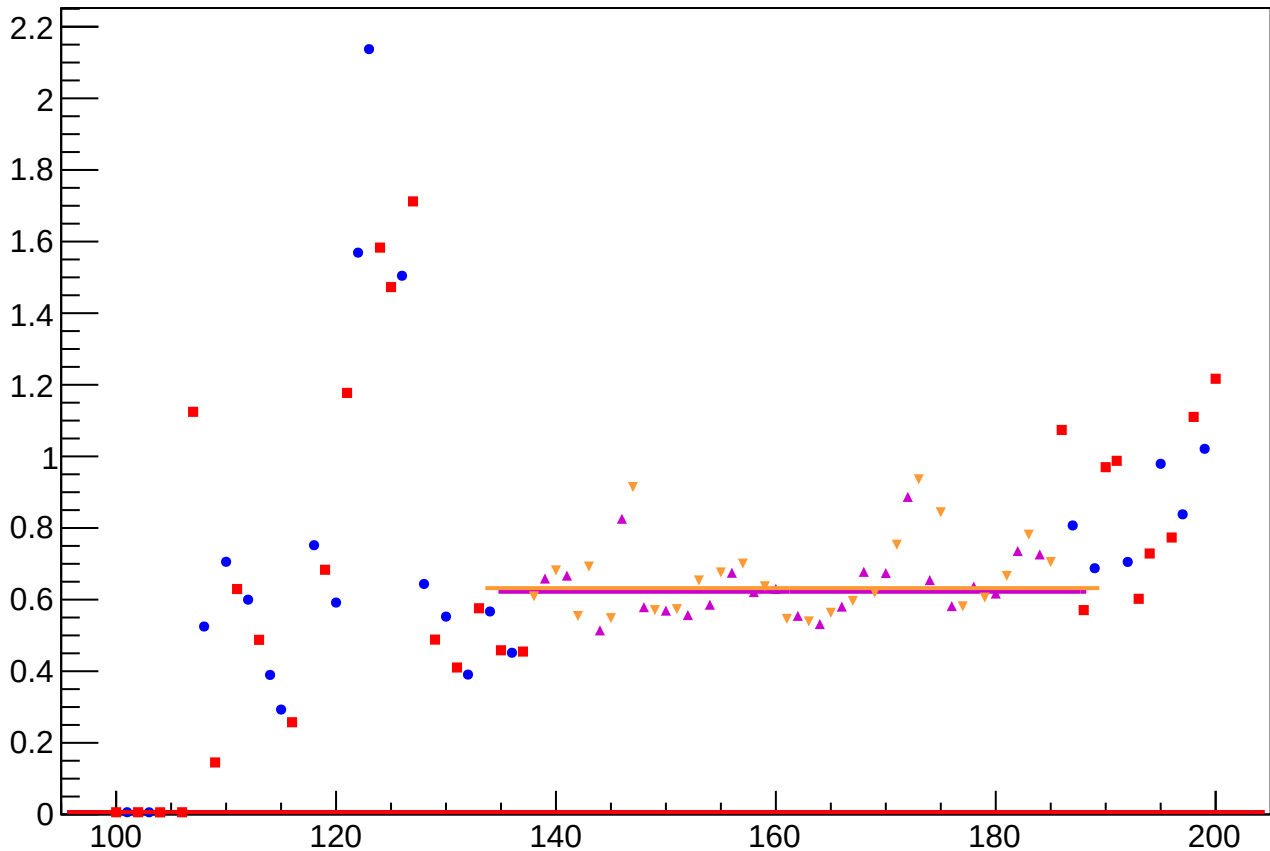
yield_cav4bQ_mean vs Slug



Right In: 402.921 $\pm$ 0.000 χ^2 /NDF: 1389424704569.5/22
 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

+ sign 402.625 $\pm$ 0.000 χ^2 /NDF: 3760748687919.0
 All: 402.547 $\pm$ 0.000 χ^2 /NDF: 978640906670
 - sign 402.478 $\pm$ 0.000 χ^2 /NDF: 6025305146281.5

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 14973560.7/22

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 18699170.0/27

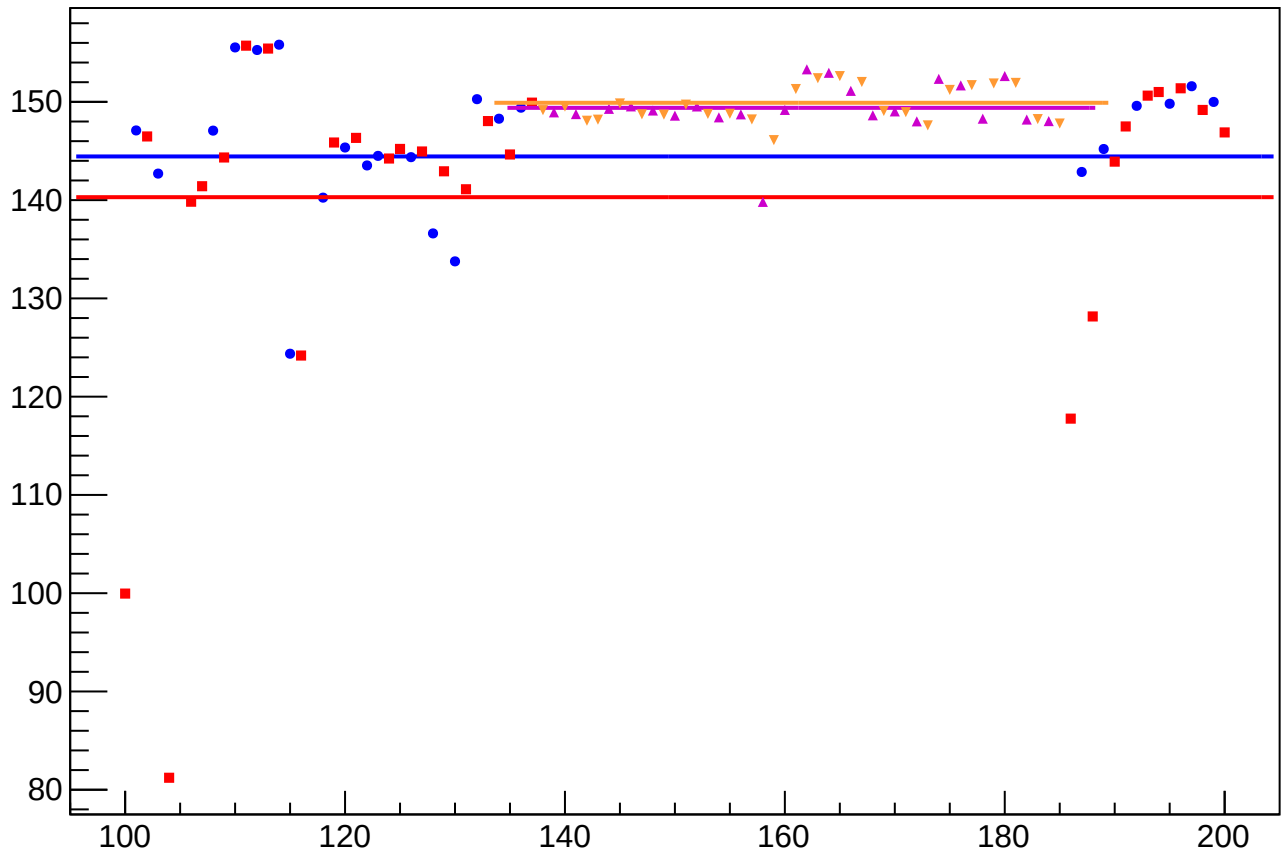
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 43757034.9/47

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 89776504.8/98

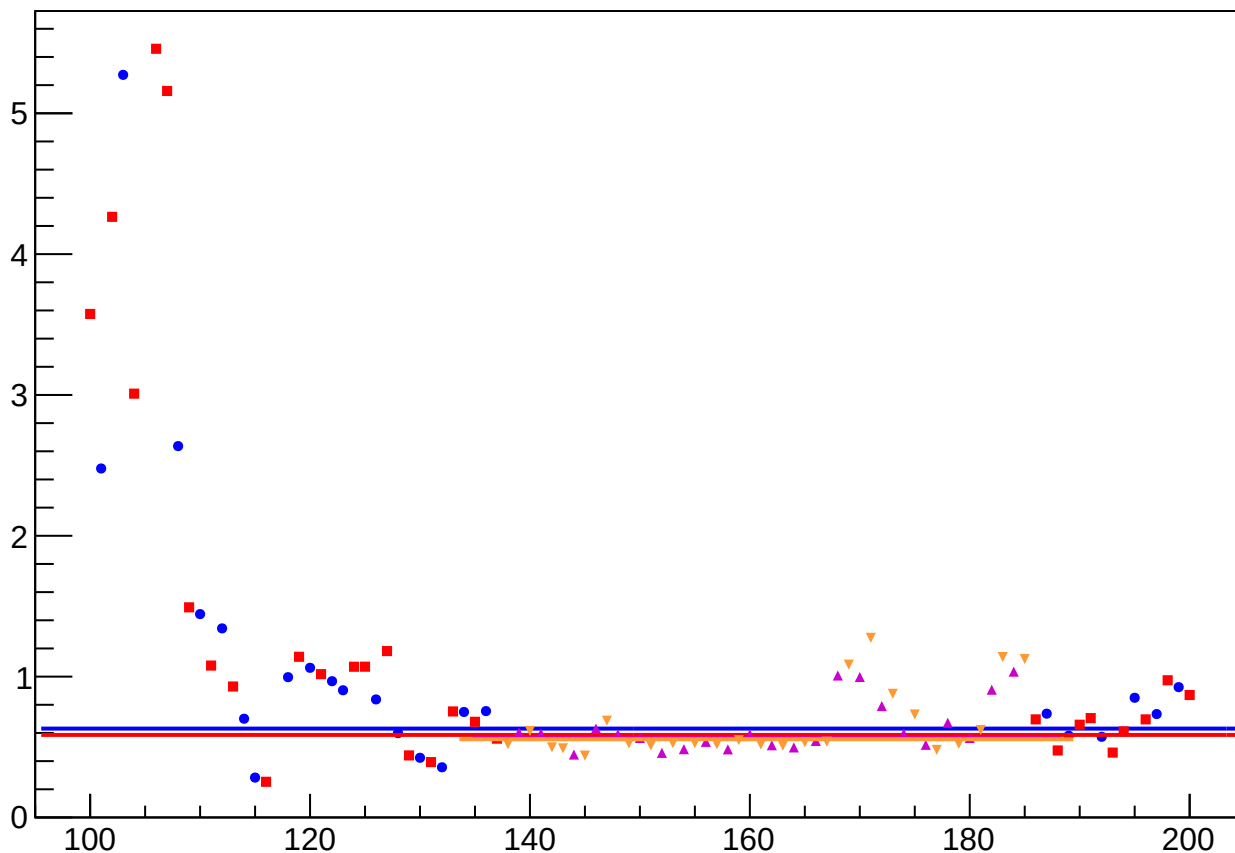
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 46019367.3/50

yield_cav4cQ_mean vs Slug



Right In: 144.445 $\pm$ 0.000	χ^2 /NDF: 1220248884.2/22	+ sign 148.583 $\pm$ 0.000	χ^2 /NDF: 1751473271.8/47
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.466 $\pm$ 0.000	χ^2 /NDF: 6671757704.8
Right Out: 140.300 $\pm$ 0.000	χ^2 /NDF: 3028830740.1/27	- sign 146.407 $\pm$ 0.000	χ^2 /NDF: 4756971838.7/50
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.631 ± 0.000 χ^2/NDF : 3798659.8/22

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.586 ± 0.000 χ^2/NDF : 5275129.4/27

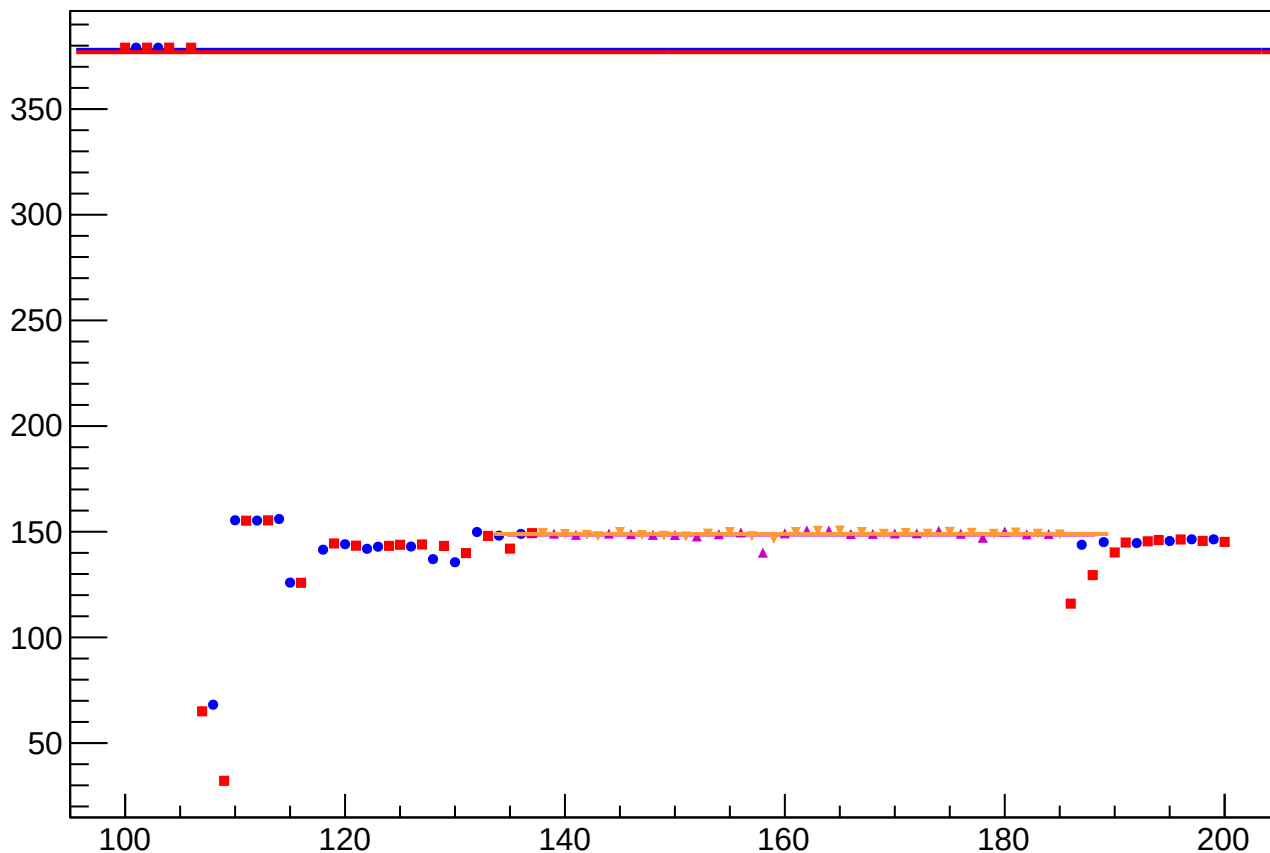
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.574 ± 0.000 χ^2/NDF : 5712834.6/47

All: 0.572 ± 0.000 χ^2/NDF : 12318083.2/98

- sign 0.570 ± 0.000 χ^2/NDF : 6604287.7/50

yield_cav4dQ_mean vs Slug



Right In: 378.035 ± 0.000 χ^2/NDF : 3276231114701.6/22

Left Out: 148.946 ± 0.000 χ^2/NDF : 63974844.7/24

Right Out: 376.911 ± 0.000 χ^2/NDF : 9645705616206.8/27

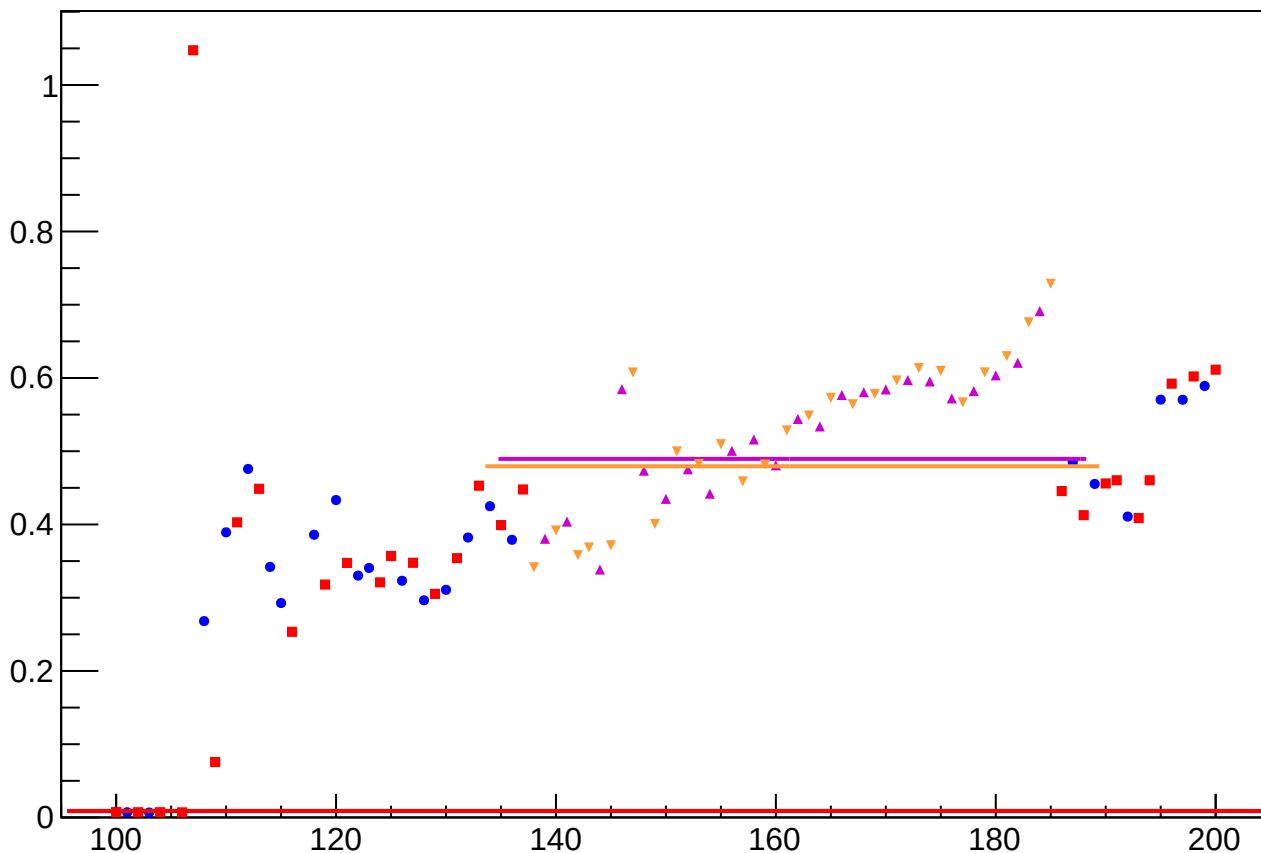
Left In: 148.683 ± 0.000 χ^2/NDF : 253848207.3/22

+ sign 376.755 ± 0.000 χ^2/NDF : 7183127472527.6

All: 376.290 ± 0.000 χ^2/NDF : 20407670666

- sign 375.881 ± 0.000 χ^2/NDF : 13219088522891.6

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 16920421.4/22

Left Out: 0.479+/-0.000 χ^2/NDF :1518765.9/24

Right Out: 0.009+/-0.000 χ^2/NDF : 20415446.0/27

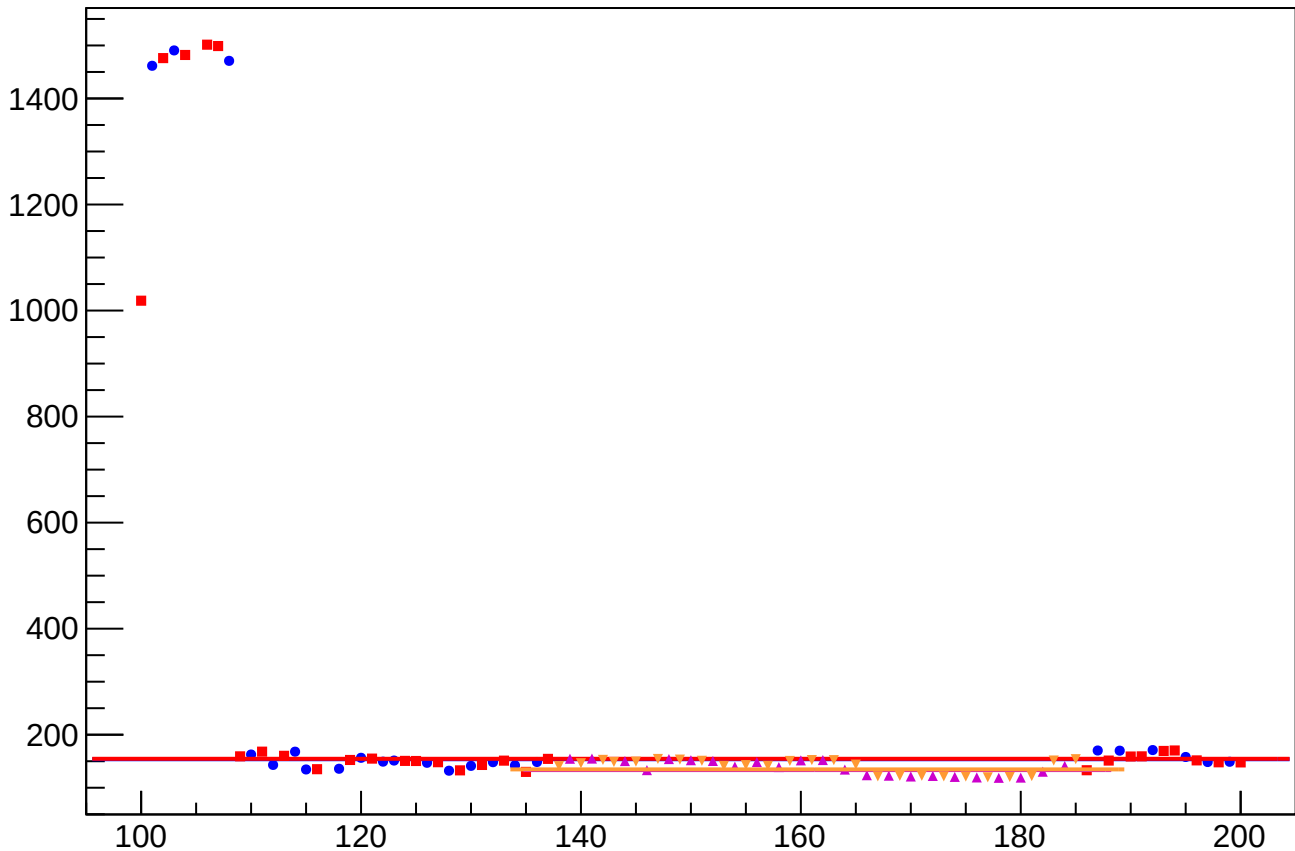
Left In: 0.490+/-0.000 χ^2/NDF :1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 51445465.2/47

All: 0.011+/-0.000 χ^2/NDF : 104644801.2/98

- sign 0.011+/-0.000 χ^2/NDF : 53198633.3/50

yield_bcm0l02_mean vs Slug



Right In: 153.745 $\pm$ 0.000 χ^2 /NDF: 25479408972.3/22

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

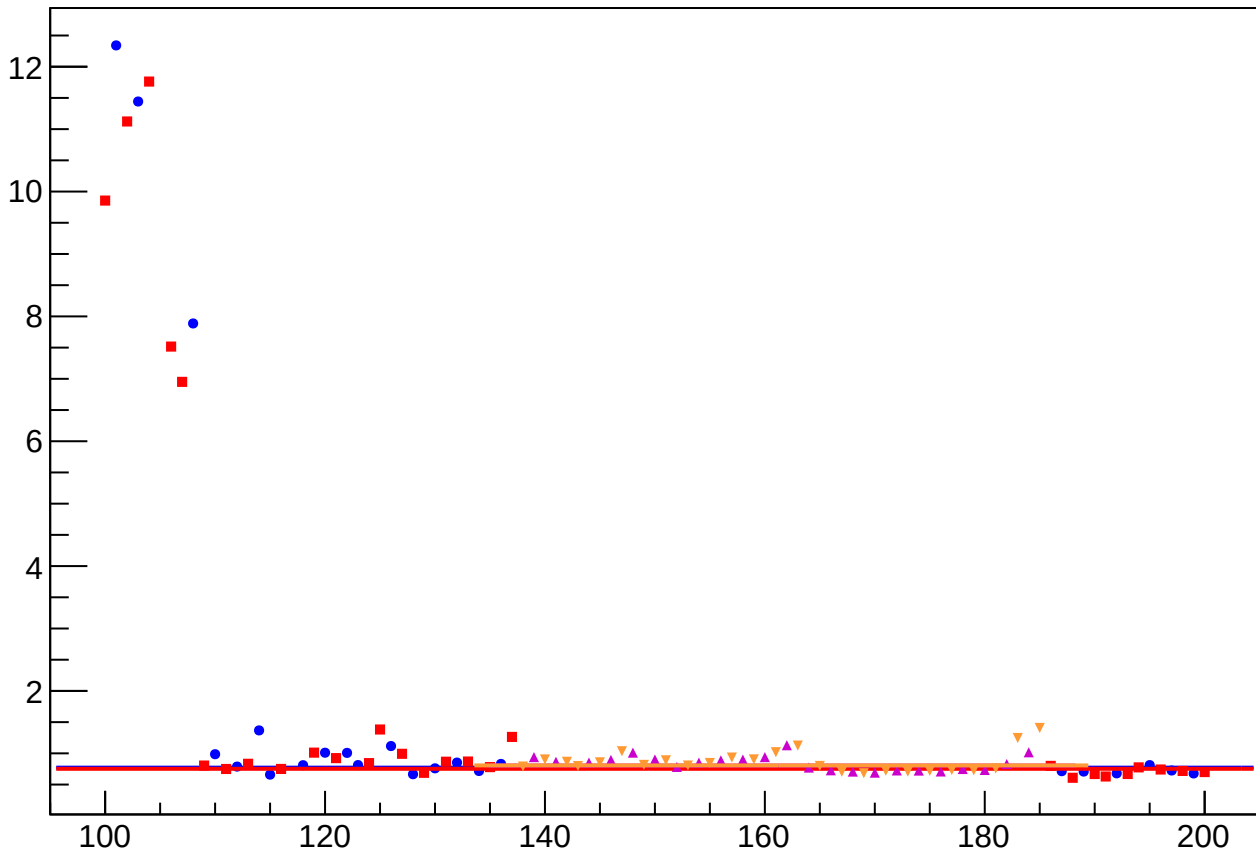
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 141.039 $\pm$ 0.000 χ^2 /NDF: 32802488187.4/47

All: 141.613 $\pm$ 0.000 χ^2 /NDF: 76315259069.0

- sign 142.137 $\pm$ 0.000 χ^2 /NDF: 43490178714.9/50

yield_bcm0l02_rms vs Slug



Right In: 0.771 $\pm$ 0.000 χ^2 /NDF: 2804860.9/22

Left Out: 0.807 $\pm$ 0.000 χ^2 /NDF: 704181.3/24

Right Out: 0.753 $\pm$ 0.000 χ^2 /NDF: 3140513.5/27

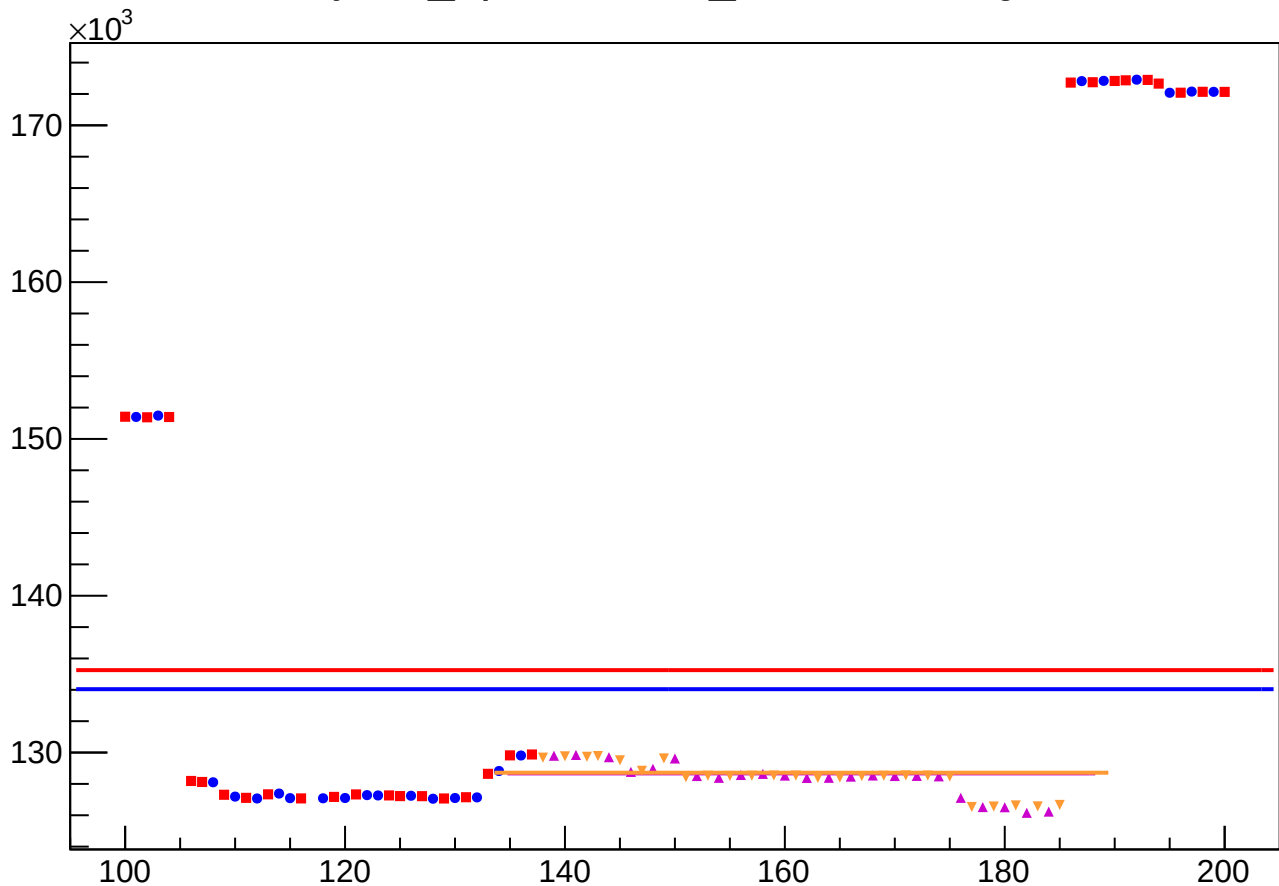
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF: 479689.4/22

+ sign 0.795 $\pm$ 0.000 χ^2 /NDF: 3529646.9/47

All: 0.789 $\pm$ 0.000 χ^2 /NDF: 7206188.7/98

- sign 0.783 $\pm$ 0.000 χ^2 /NDF: 3671518.8/50

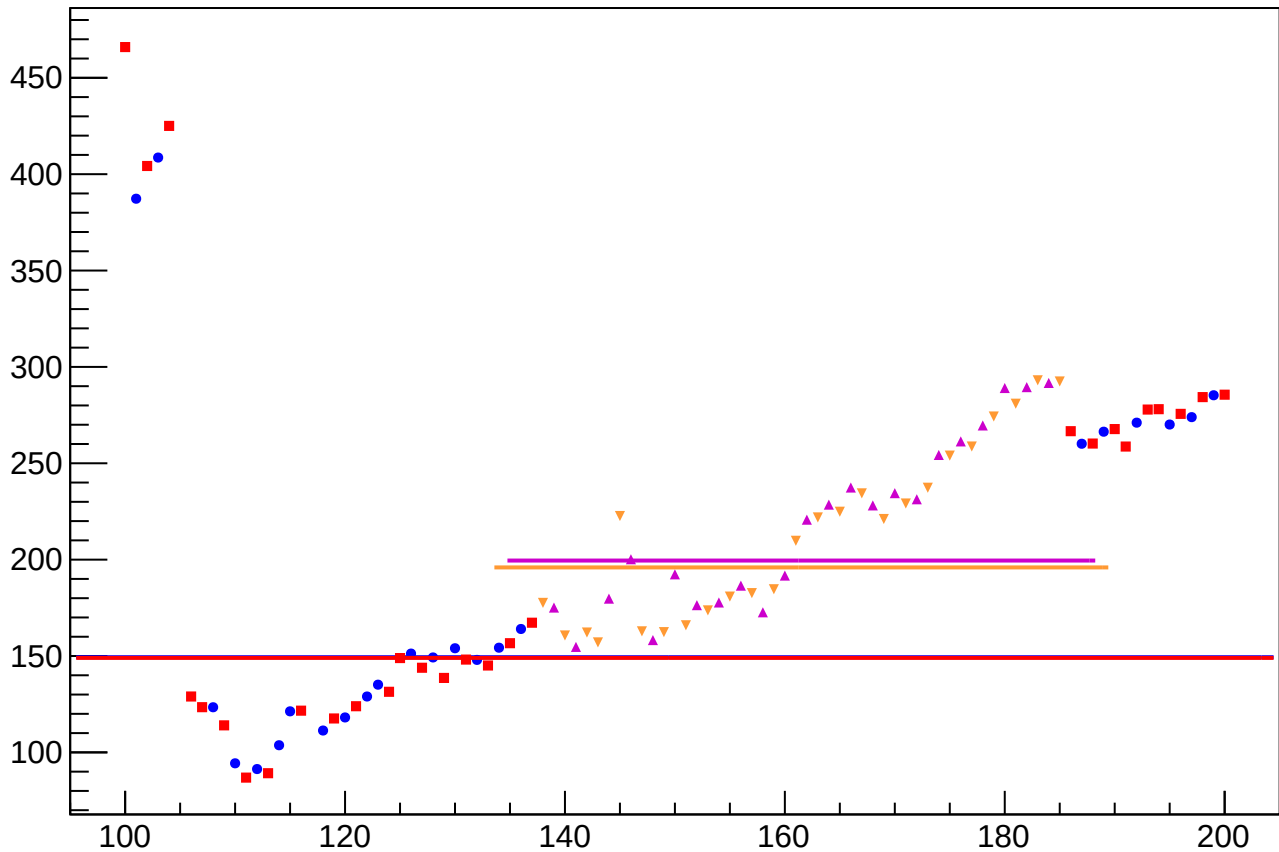
yield_bpm2i01WS_mean vs Slug



Right In: 134040.687 $\pm$ 0.051 χ^2 /NDF: 93777288429.4/22
 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 131151.050 $\pm$ 0.034 χ^2 /NDF: 100091006277
 All: 131665.938 $\pm$ 0.024 χ^2 /NDF: 242984943
 - sign 132155.556 $\pm$ 0.034 χ^2 /NDF: 142455848940

yield_bpm2i01WS_rms vs Slug



Right In: 149.373 $\pm$ 0.036 χ^2 /NDF: 3353499.1/22

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

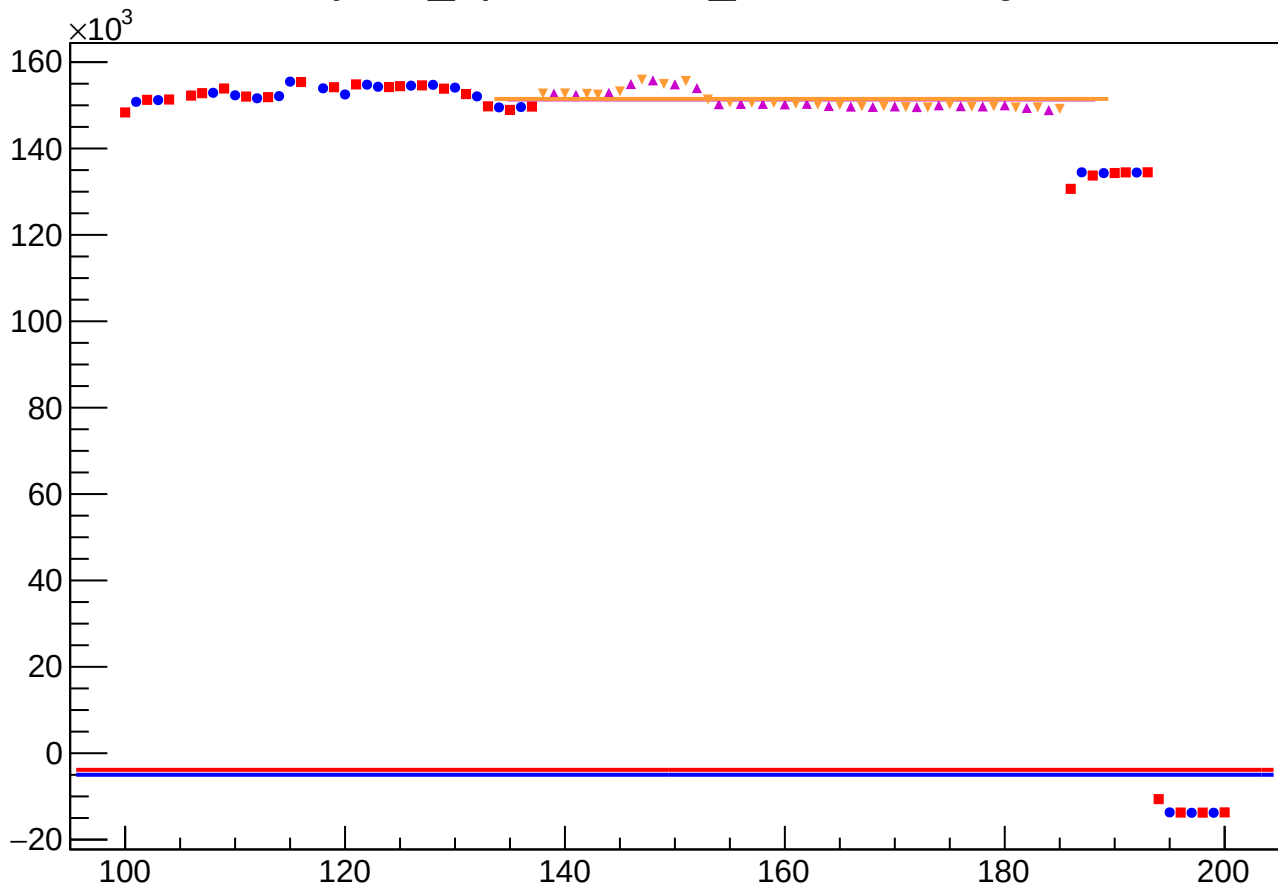
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 174.647 $\pm$ 0.024 χ^2 /NDF: 5582268.3/47

All: 173.702 $\pm$ 0.017 χ^2 /NDF: 12334960.5/98

- sign 172.804 $\pm$ 0.024 χ^2 /NDF: 6749743.5/50

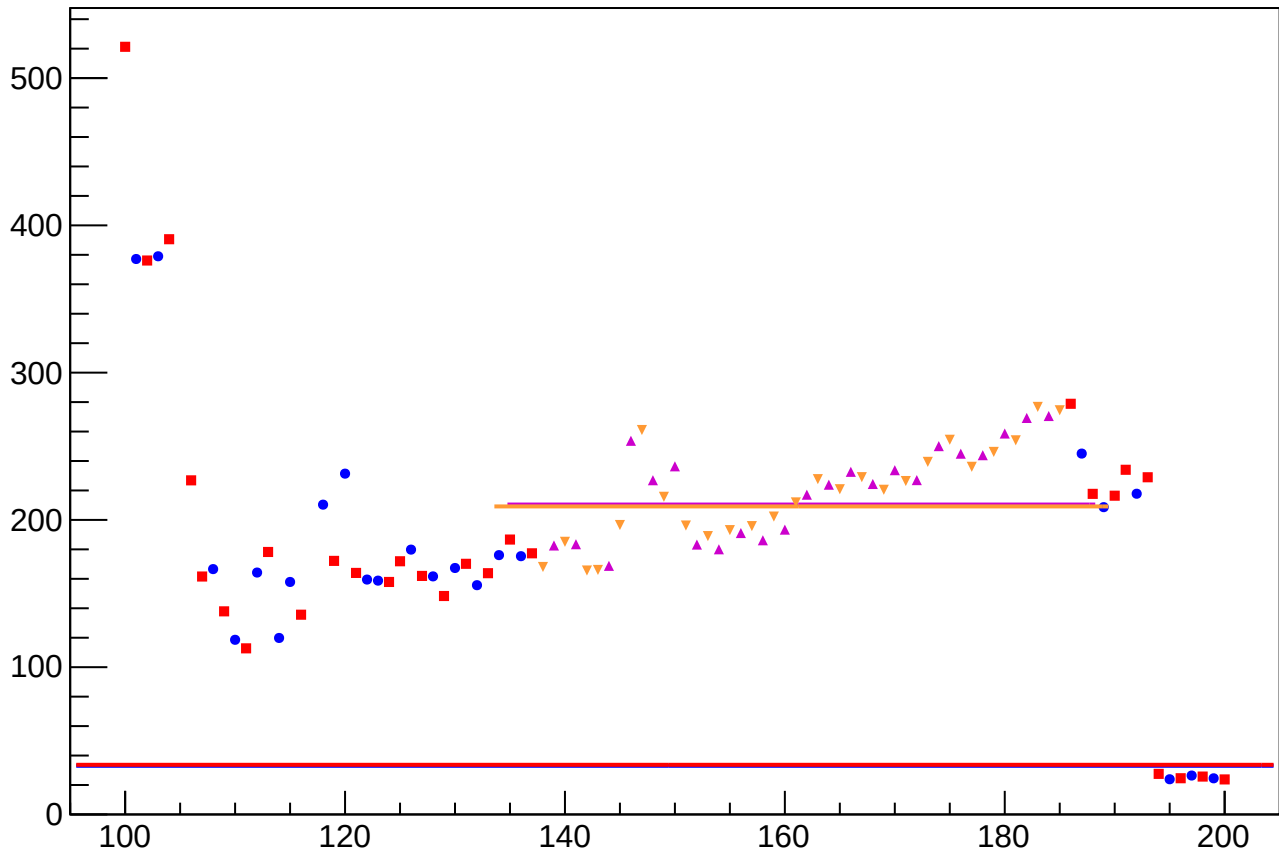
yield_bpm0i07WS_mean vs Slug



Right In: -4984.119 ± 0.016 $\chi^2/\text{NDF}: 5652617322861.4/22$
 Left Out: 151480.339 ± 0.049 $\chi^2/\text{NDF}: 1483692735.3/24$
 Right Out: -3843.254 ± 0.015 $\chi^2/\text{NDF}: 6932206772616.7/27$
 Left In: 151362.440 ± 0.051 $\chi^2/\text{NDF}: 1426782789.9/22$

+ sign 9035.112 ± 0.015 $\chi^2/\text{NDF}: 14760494782804$
 All: 8340.244 ± 0.010 $\chi^2/\text{NDF}: 30195030506$
 - sign 7720.782 ± 0.014 $\chi^2/\text{NDF}: 15430371052619$

yield_bpm0i07WS_rms vs Slug



Right In: 33.049 $\pm$ 0.011 χ^2 /NDF: 10990531.0/22

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

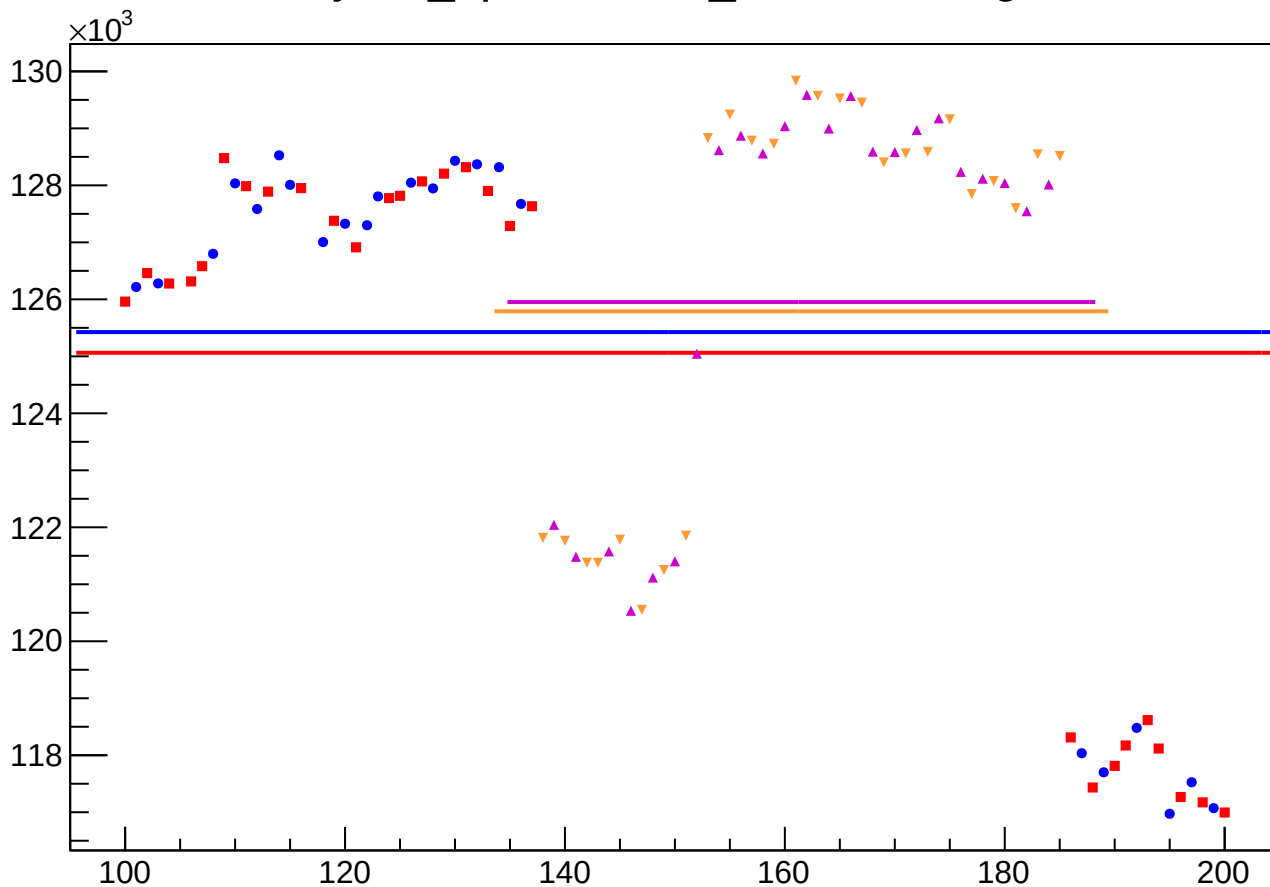
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 48.828 $\pm$ 0.010 χ^2 /NDF: 34773279.4/47

All: 47.800 $\pm$ 0.007 χ^2 /NDF: 70551476.5/98

- sign 46.884 $\pm$ 0.010 χ^2 /NDF: 35759971.7/50

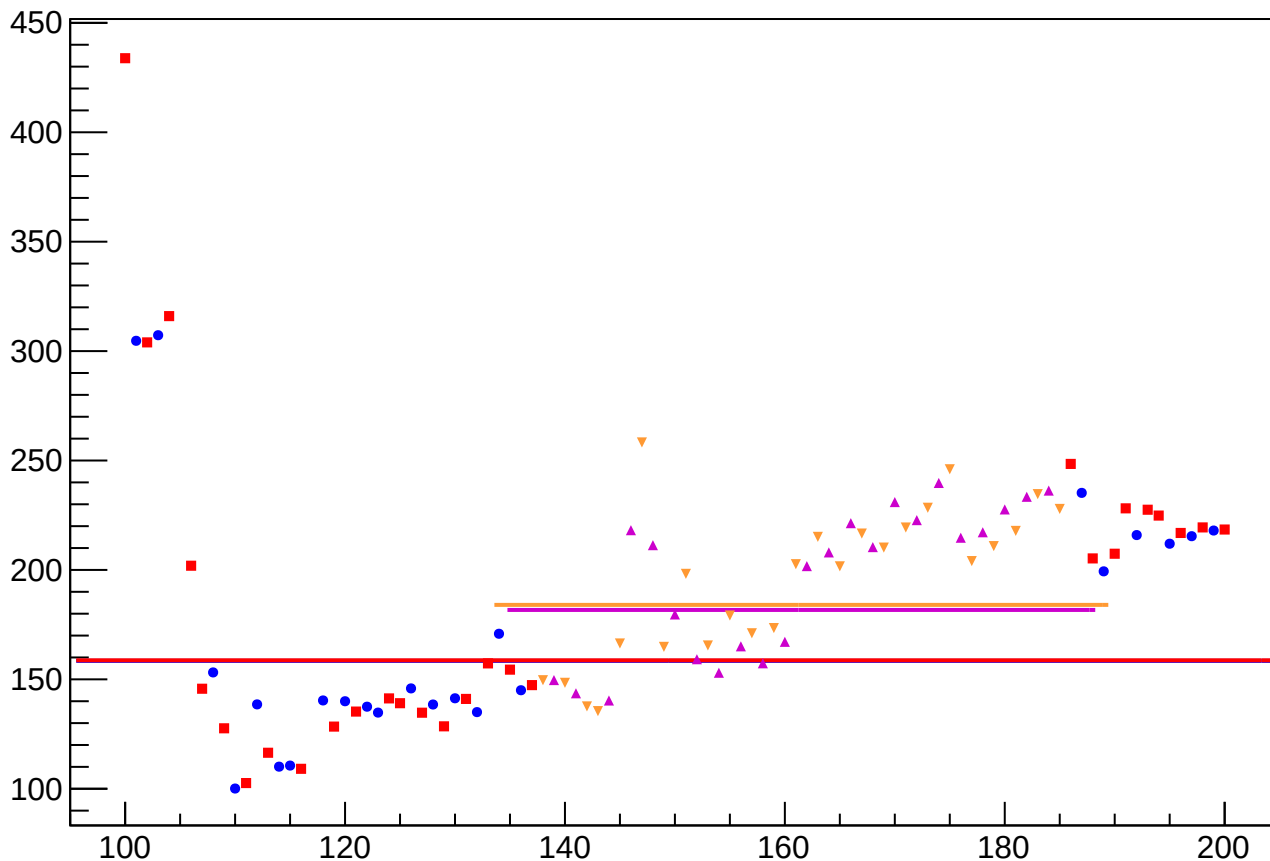
yield_bpm0l01WS_mean vs Slug



Right In: 125425.074 $\pm$ 0.051 χ^2 /NDF: 6939438503.3/22
 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 125635.896 $\pm$ 0.033 χ^2 /NDF: 13712881691.
 All: 125580.199 $\pm$ 0.023 χ^2 /NDF: 289210943.
 - sign 125528.106 $\pm$ 0.032 χ^2 /NDF: 15202833566.5

yield_bpm0l01WS_rms vs Slug



Right In: 158.448 $\pm$ 0.036 χ^2 /NDF: 1523161.1/22

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

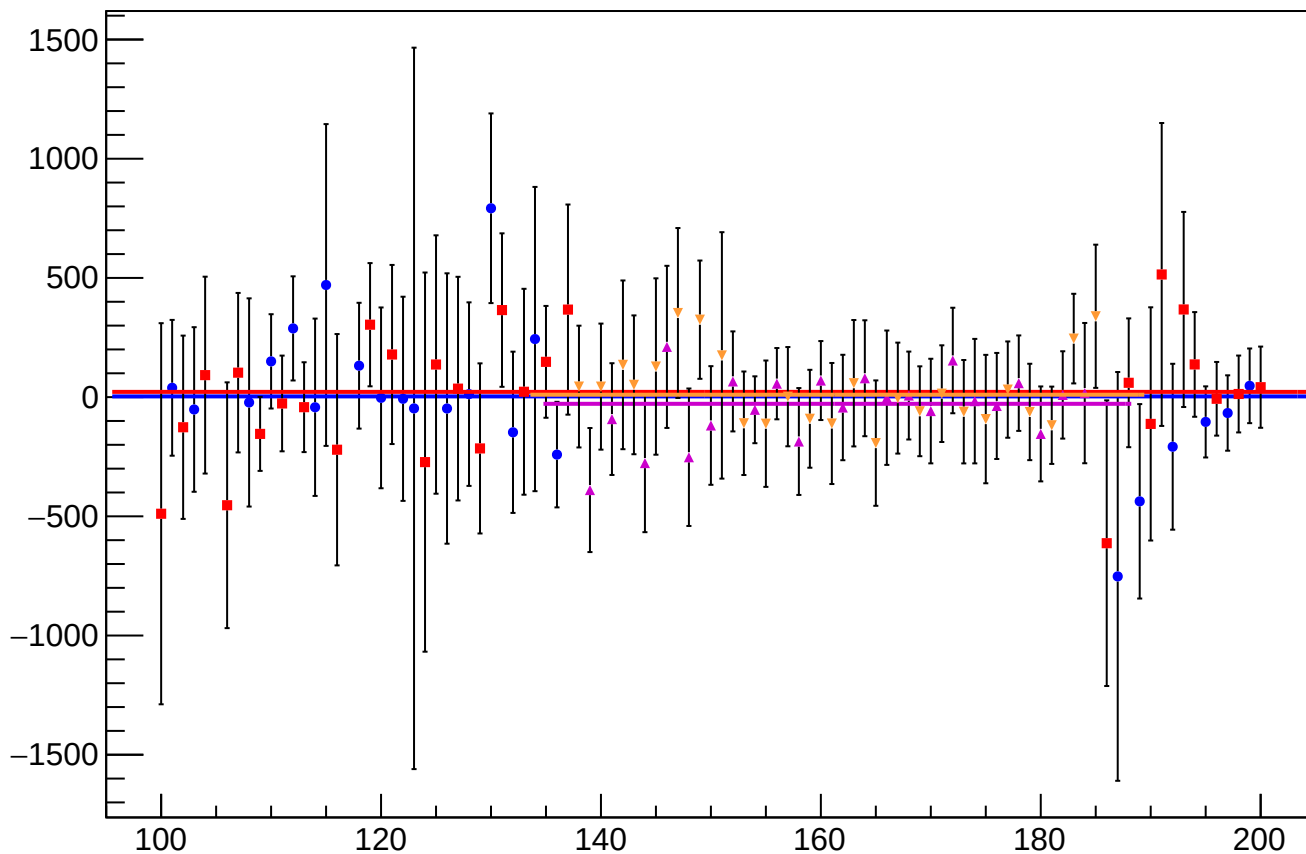
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 173.221 $\pm$ 0.024 χ^2 /NDF: 2935878.2/47

All: 171.940 $\pm$ 0.016 χ^2 /NDF: 6492385.7/98

- sign 170.742 $\pm$ 0.023 χ^2 /NDF: 3550814.2/50

asym_bcm_an_ds_mean vs Slug



Right In: 3.020 ± 57.901 χ^2/NDF : 11.6/22

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 22.020 ± 52.119 χ^2/NDF : 10.1/27

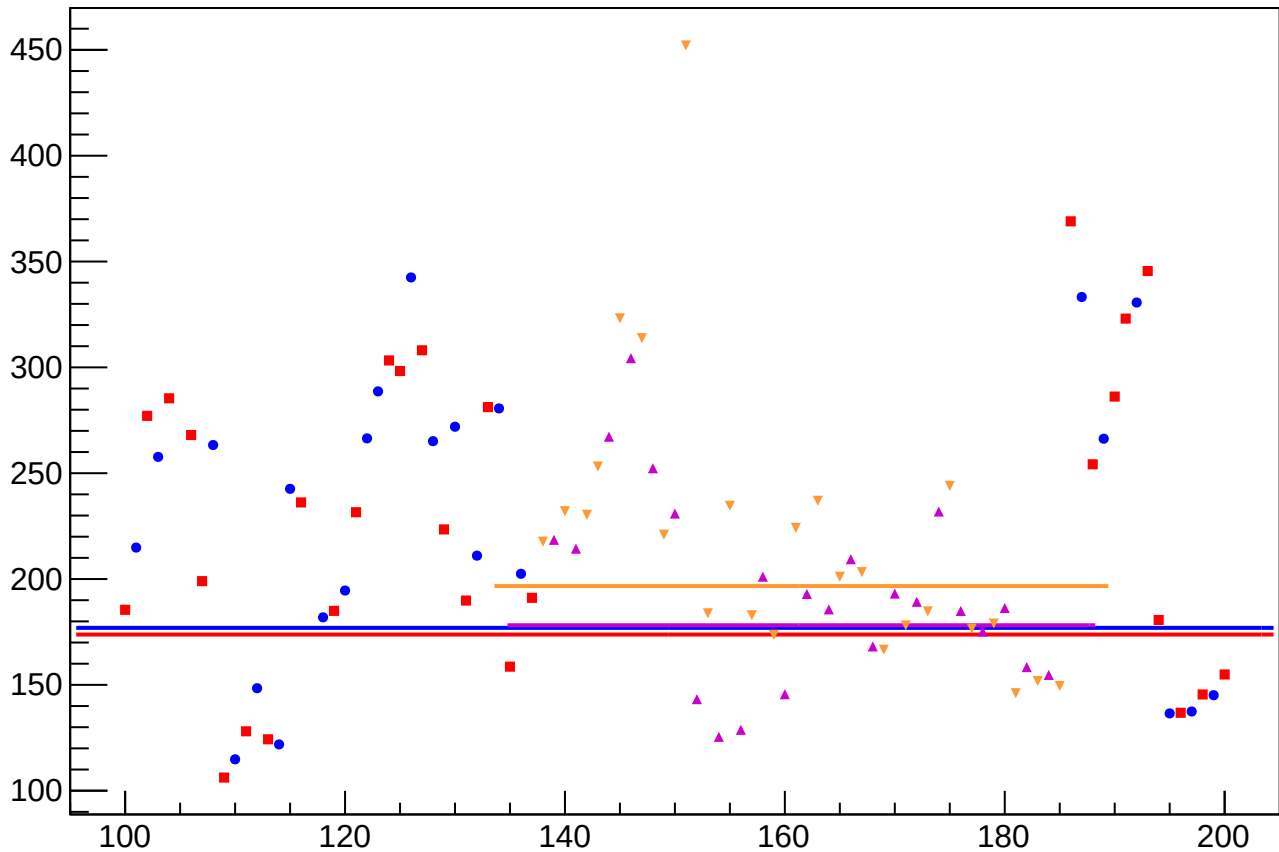
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign 7.240 ± 36.718 χ^2/NDF : 20.1/47

All: -0.398 ± 24.898 χ^2/NDF : 37.8/98

- sign -6.899 ± 33.874 χ^2/NDF : 17.6/50

asym_bcm_an_ds_rms vs Slug



Right In: 176.936 $\pm$ 0.041 χ^2 /NDF: 2017133.8/22

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 173.782 $\pm$ 0.037 χ^2 /NDF: 2736528.2/27

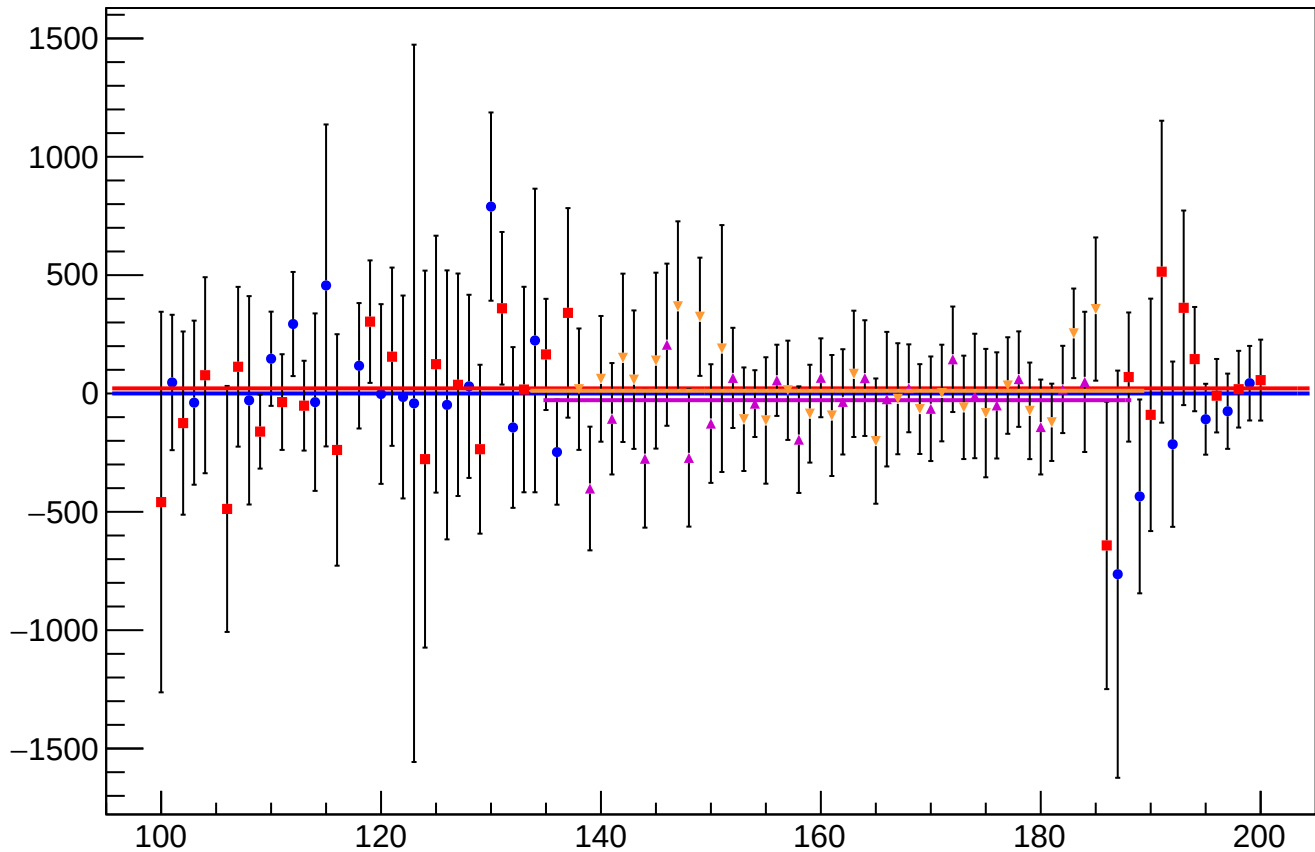
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 188.741 $\pm$ 0.026 χ^2 /NDF: 3938911.4/47

All: 182.027 $\pm$ 0.018 χ^2 /NDF: 8426335.6/98

- sign 176.314 $\pm$ 0.024 χ^2 /NDF: 4363668.3/50

asym_bcm_an_ds3_mean vs Slug



Right In: 0.091 ± 58.181 χ^2/NDF : 11.6/22

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 21.583 ± 52.386 χ^2/NDF : 10.4/27

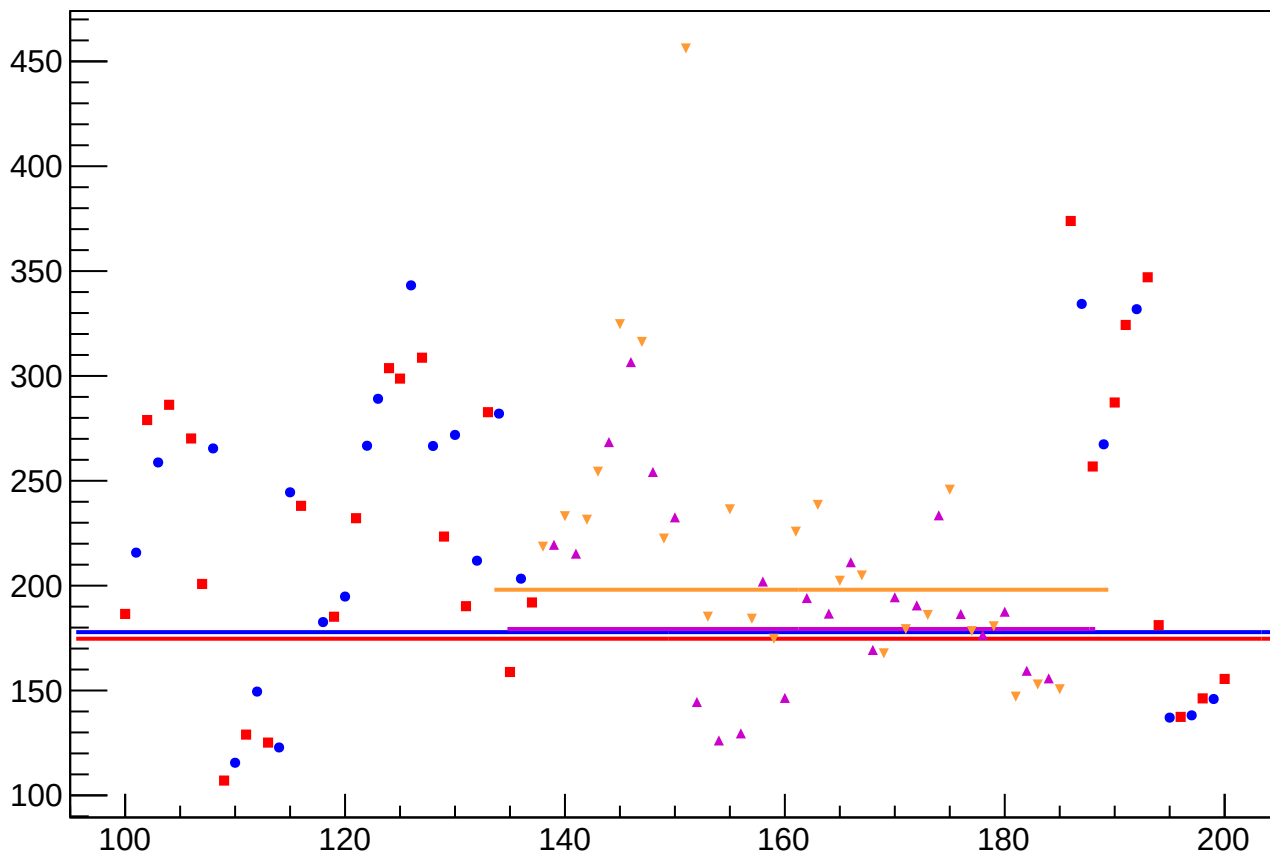
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign 6.888 ± 36.943 χ^2/NDF : 20.5/47

All: -0.715 ± 25.047 χ^2/NDF : 38.6/98

- sign -7.183 ± 34.075 χ^2/NDF : 18.0/50

asym_bcm_an_ds3_rms vs Slug



Right In: 177.835 $\pm$ 0.041 χ^2 /NDF: 2007594.4/22

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

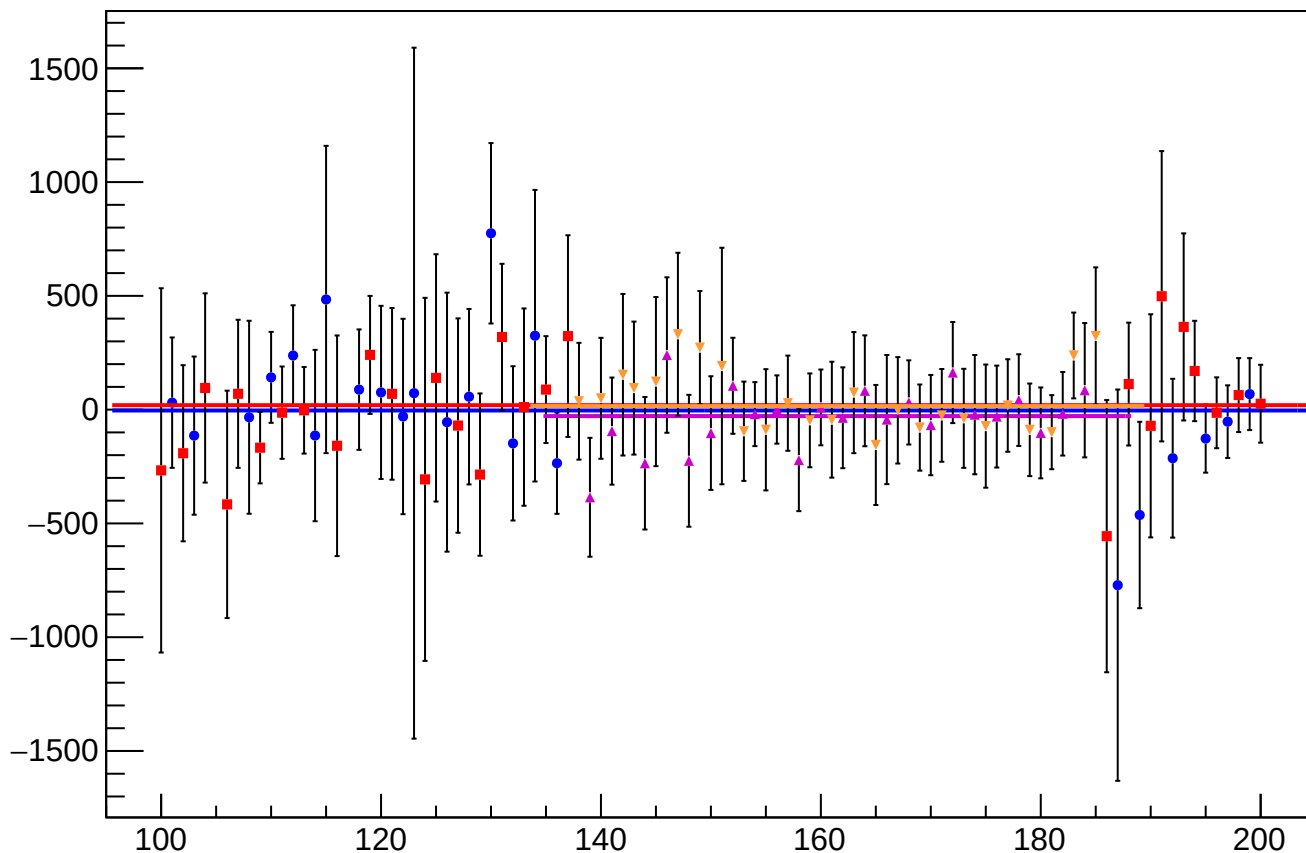
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 189.905 $\pm$ 0.026 χ^2 /NDF: 3930347.3/47

All: 183.129 $\pm$ 0.018 χ^2 /NDF: 8413218.4/98

- sign 177.364 $\pm$ 0.024 χ^2 /NDF: 4358338.1/50

asym_bcm_an_us_mean vs Slug



Right In: -3.668 ± 58.256 $\chi^2/\text{NDF}: 11.4/22$

Left Out: 15.437 ± 47.695 $\chi^2/\text{NDF}: 7.0/24$

Right Out: 19.601 ± 52.369 $\chi^2/\text{NDF}: 8.9/27$

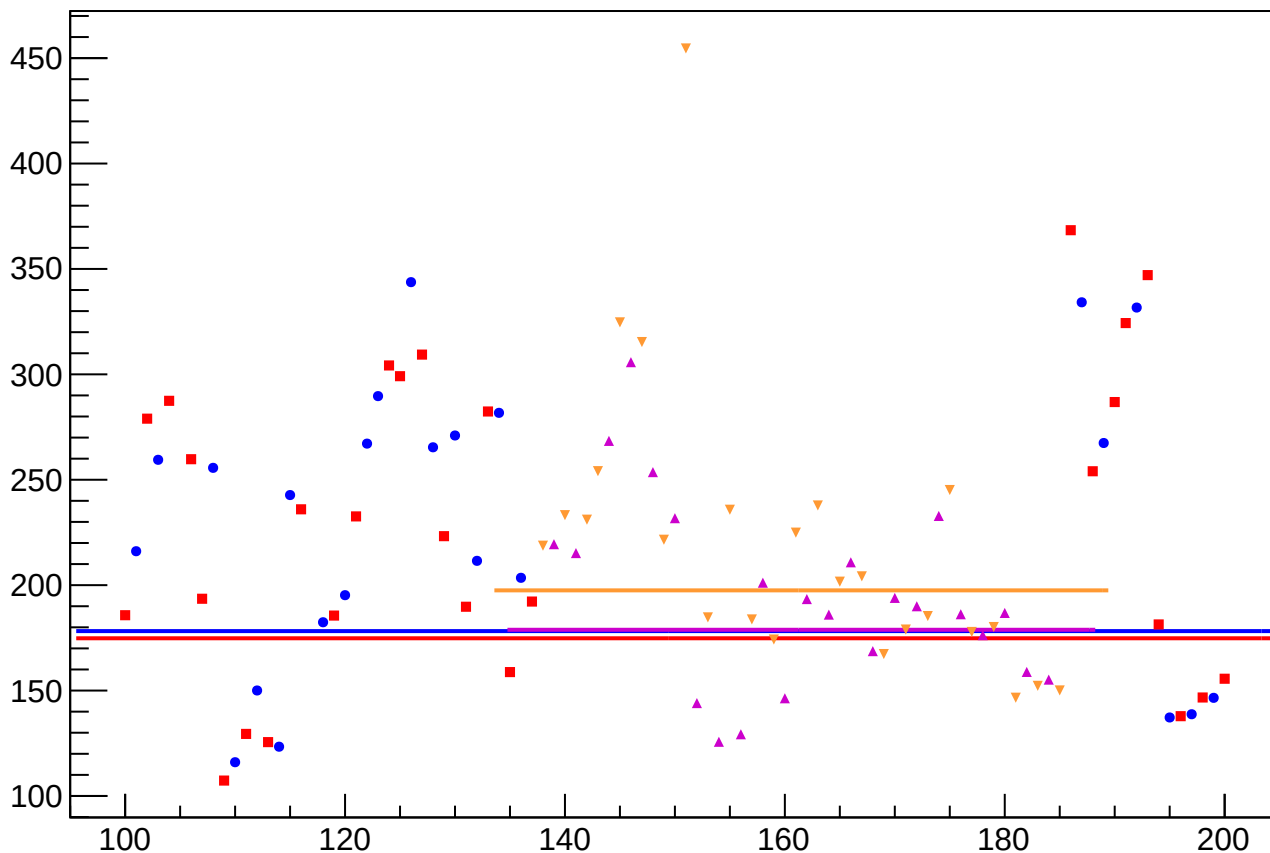
Left In: -28.277 ± 44.743 $\chi^2/\text{NDF}: 6.4/22$

+ sign 7.771 ± 36.904 $\chi^2/\text{NDF}: 18.5/47$

All: -0.796 ± 25.013 $\chi^2/\text{NDF}: 34.3/98$

- sign -8.074 ± 34.018 $\chi^2/\text{NDF}: 15.8/50$

asym_bcm_an_us_rms vs Slug



Right In: 178.208 $\pm$ 0.041 χ^2 /NDF: 1976711.6/22

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

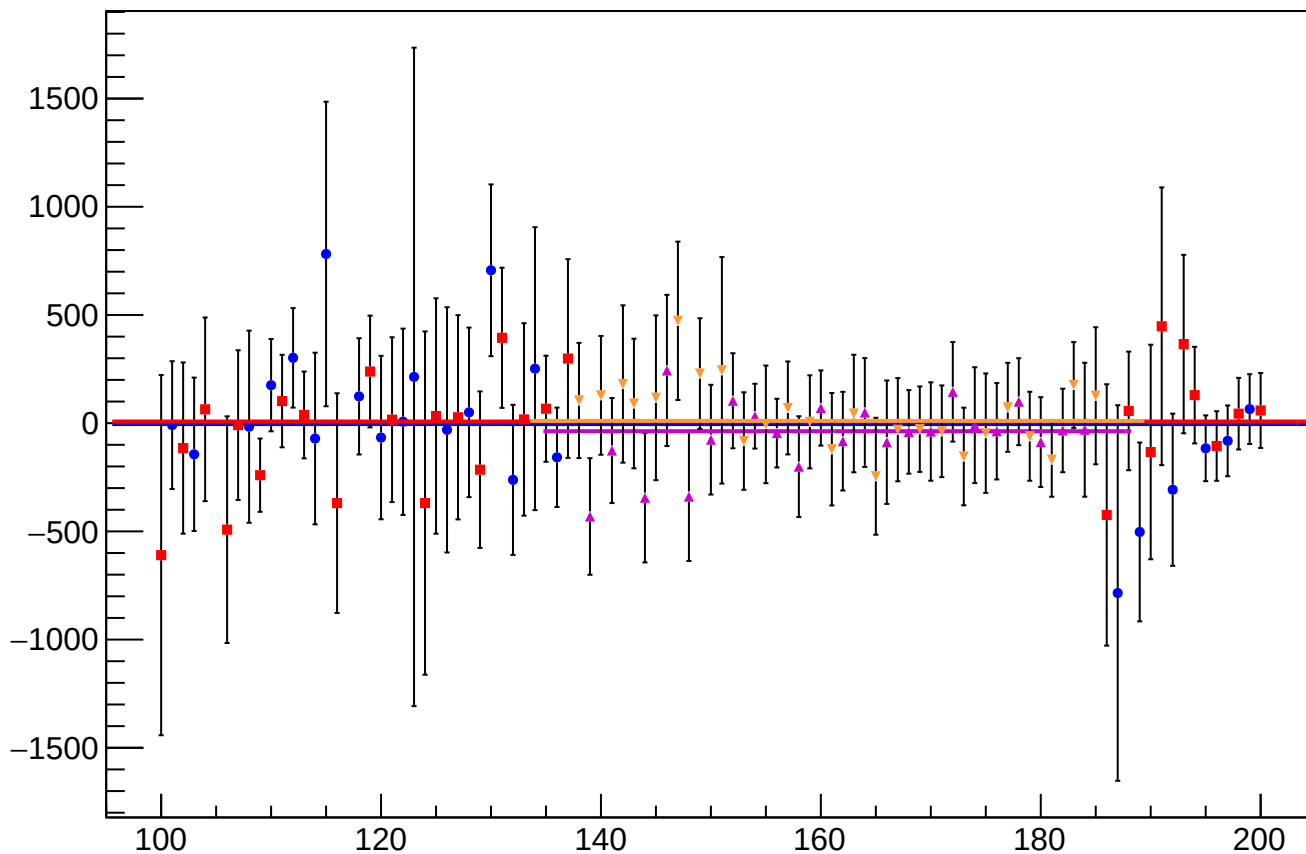
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF: 1622266.9/22

+ sign 189.775 $\pm$ 0.026 χ^2 /NDF: 3892621.6/47

All: 182.940 $\pm$ 0.018 χ^2 /NDF: 8336027.1/98

- sign 177.132 $\pm$ 0.024 χ^2 /NDF: 4316518.4/50

asym_bcm_dg_us_mean vs Slug



Right In: -4.109 ± 59.718 χ^2/NDF : 12.5/22

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 7.833 ± 53.997 χ^2/NDF : 10.6/27

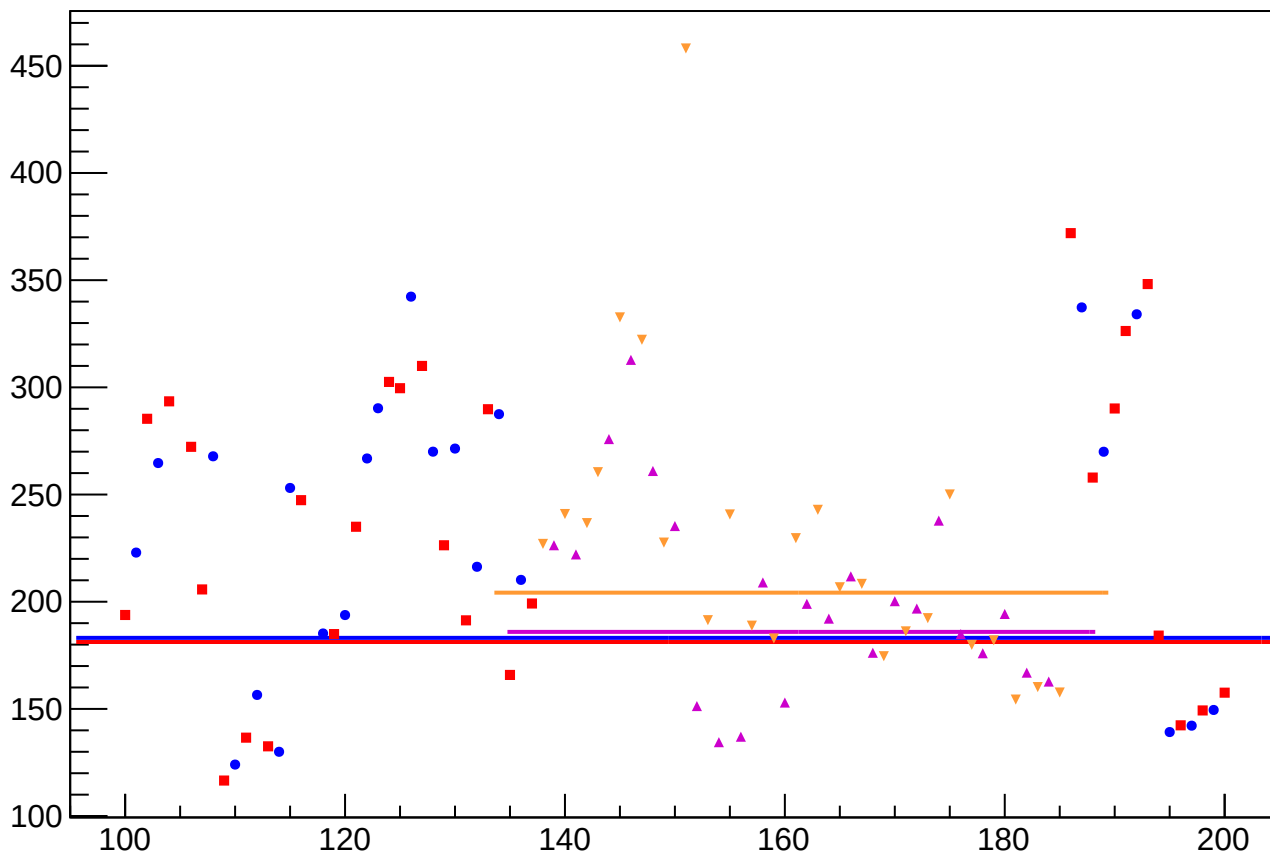
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign 4.614 ± 37.971 χ^2/NDF : 20.0/47

All: -7.544 ± 25.804 χ^2/NDF : 39.1/98

- sign -17.977 ± 35.173 χ^2/NDF : 18.8/50

asym_bcm_dg_us_rms vs Slug



Right In: 183.150 $\pm$ 0.042 χ^2 /NDF: 1889922.3/22

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

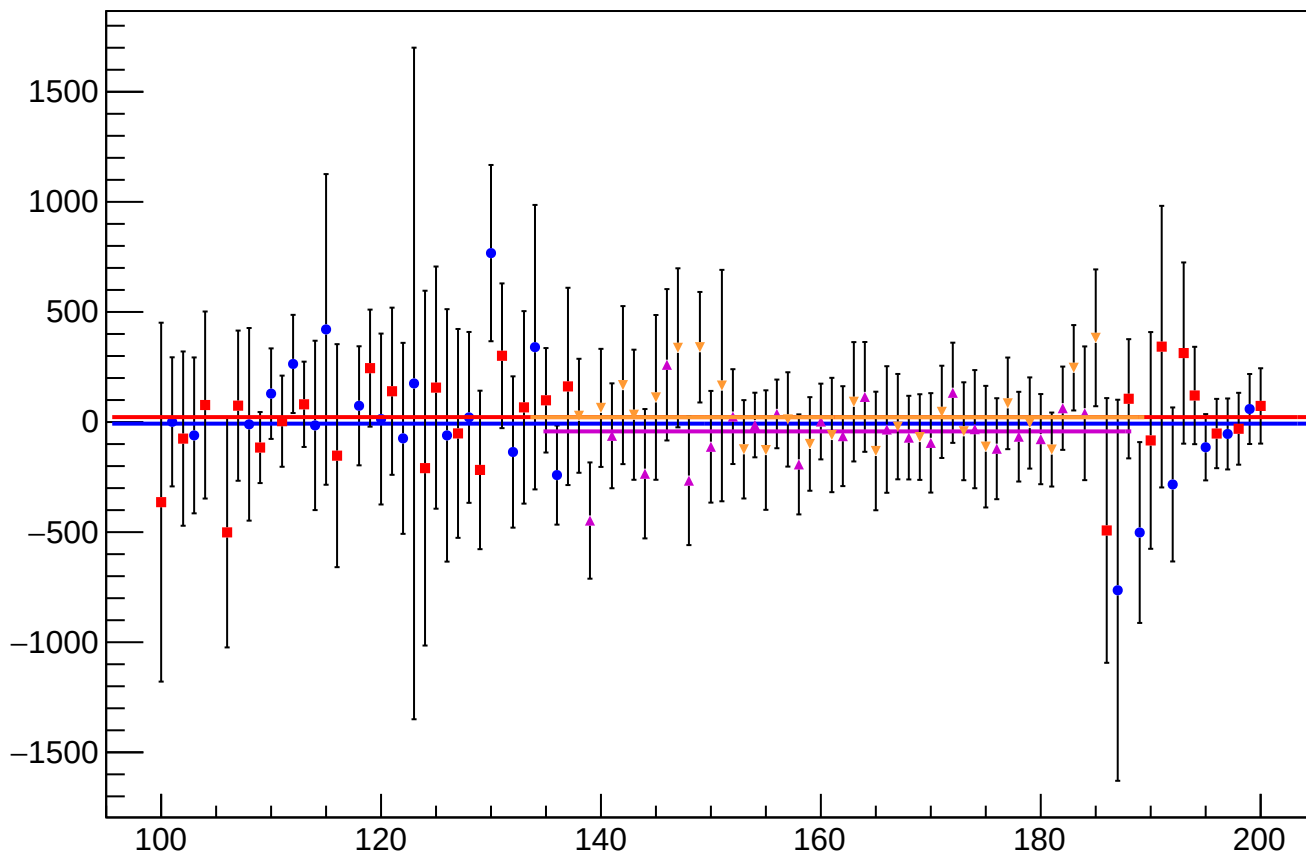
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 195.711 $\pm$ 0.027 χ^2 /NDF: 3714129.4/47

All: 189.371 $\pm$ 0.018 χ^2 /NDF: 7772276.2/98

- sign 183.931 $\pm$ 0.025 χ^2 /NDF: 3954547.1/50

asym_bcm_dg_ds_mean vs Slug



Right In: -7.246 ± 58.967 χ^2/NDF : 11.3/22

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 22.445 ± 53.090 χ^2/NDF : 6.9/27

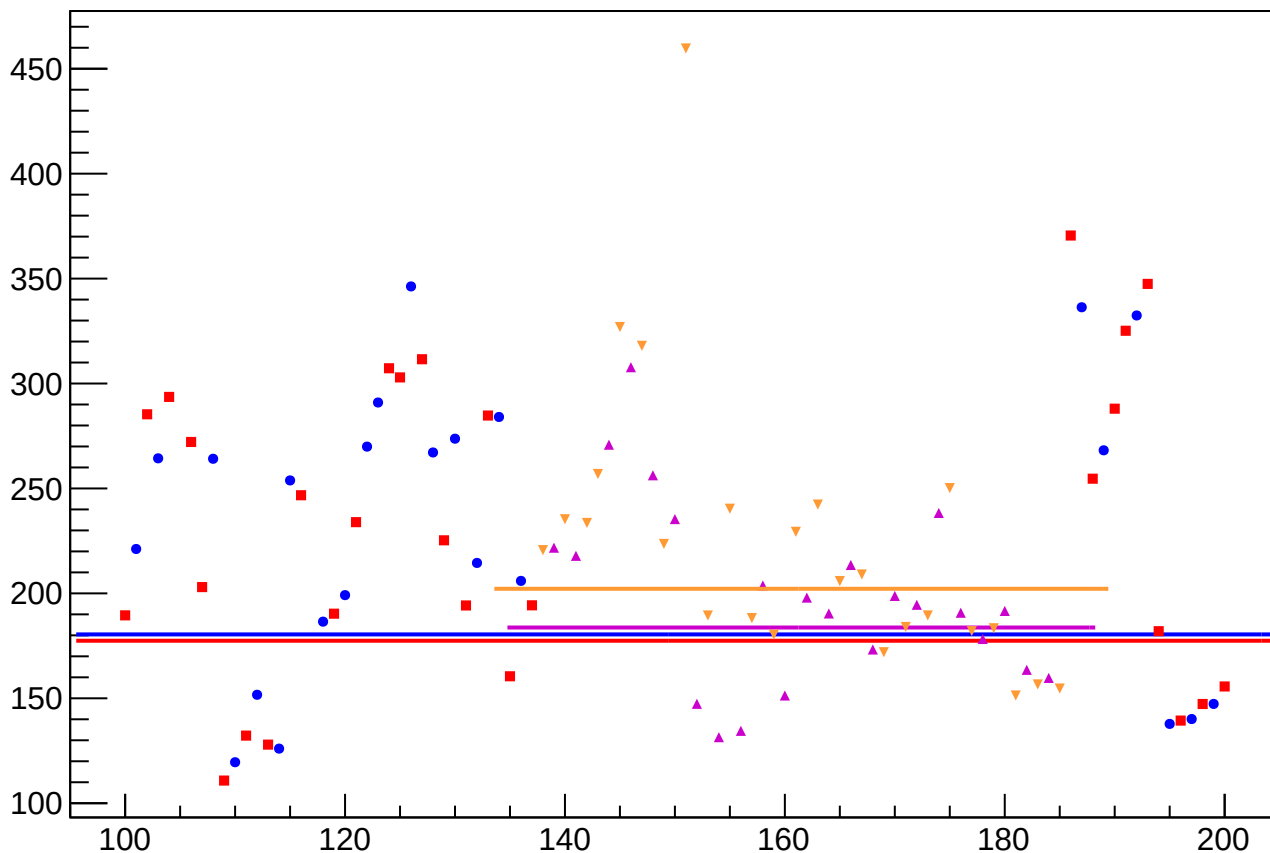
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign 10.242 ± 37.567 χ^2/NDF : 19.8/47

All: -3.224 ± 25.492 χ^2/NDF : 34.5/98

- sign -14.716 ± 34.705 χ^2/NDF : 14.5/50

asym_bcm_dg_ds_rms vs Slug



Right In: 180.446 $\pm$ 0.042 χ^2 /NDF: 1974636.6/22

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

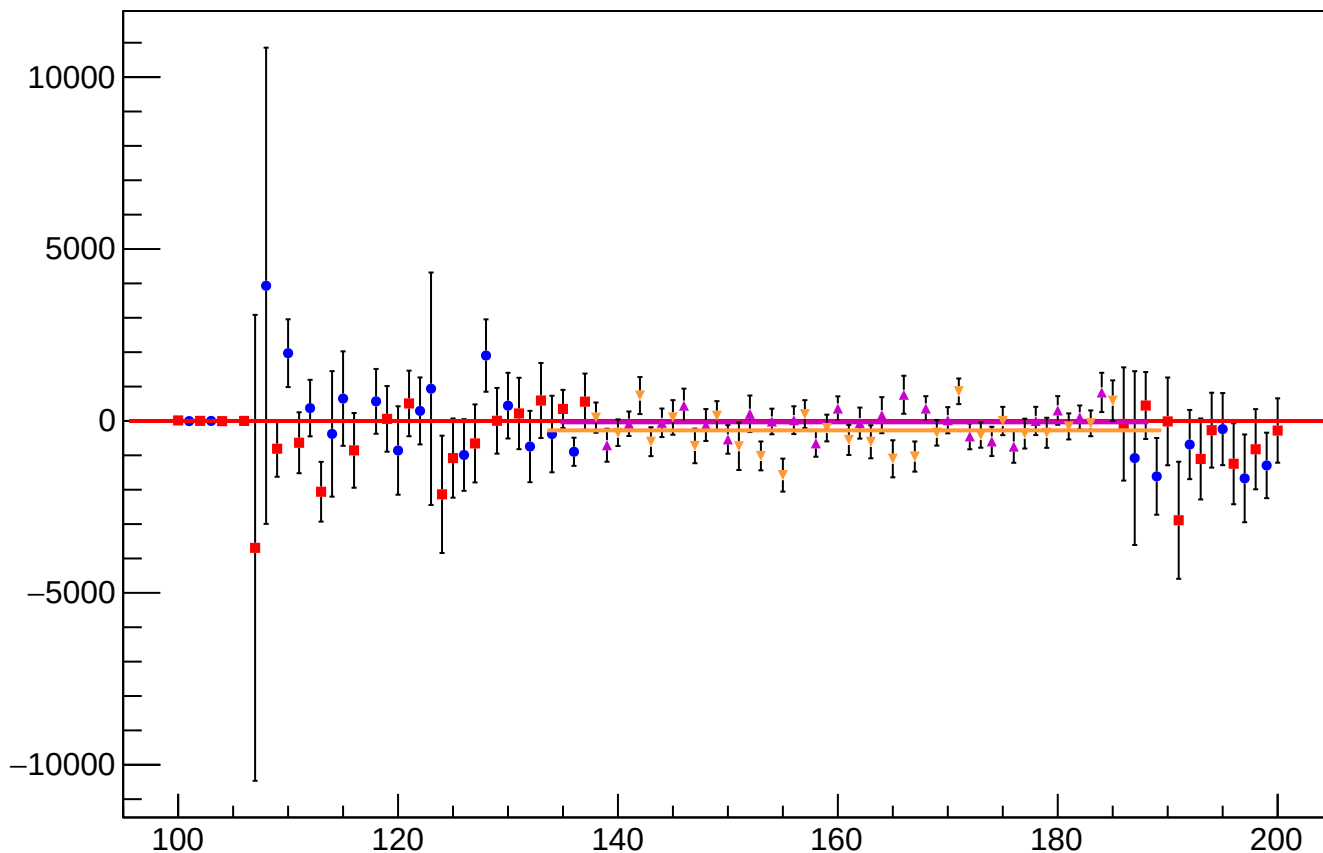
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF:1495930.4/22

+ sign 193.362 $\pm$ 0.027 χ^2 /NDF: 3832726.6/47

All: 186.714 $\pm$ 0.018 χ^2 /NDF: 8117185.7/98

- sign 181.039 $\pm$ 0.025 χ^2 /NDF: 4168354.3/50

asym_cav4bQ_mean vs Slug



Right In: -1.553 ± 2.251 χ^2/NDF : 23.2/22

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.746 ± 2.111 χ^2/NDF : 24.0/27

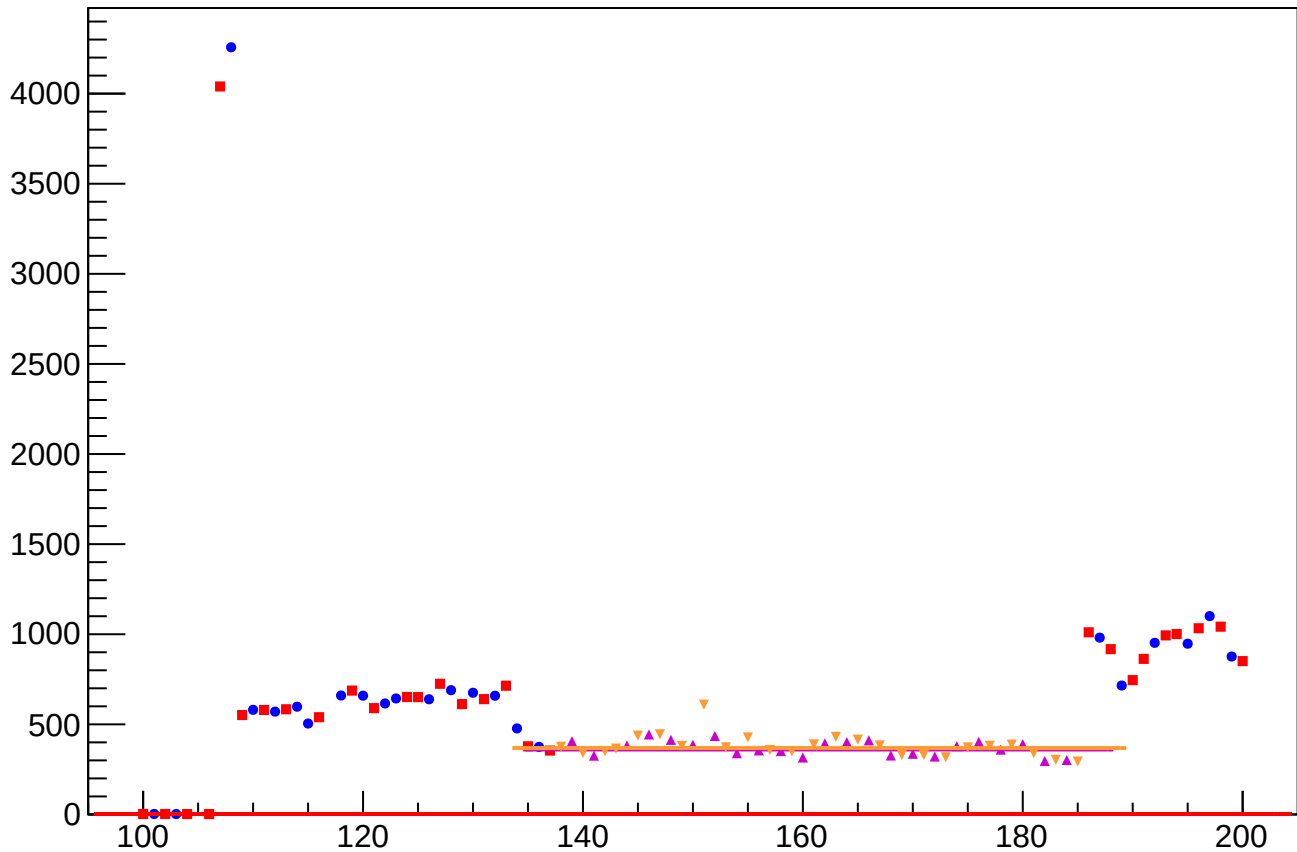
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.736 ± 2.251 χ^2/NDF : 71.4/47

All: -1.221 ± 1.540 χ^2/NDF : 115.8/98

- sign -0.769 ± 2.110 χ^2/NDF : 44.3/50

asym_cav4bQ_rms vs Slug



Right In: 2.477 $\pm$ 0.002 χ^2 /NDF: 18356247.7/22

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

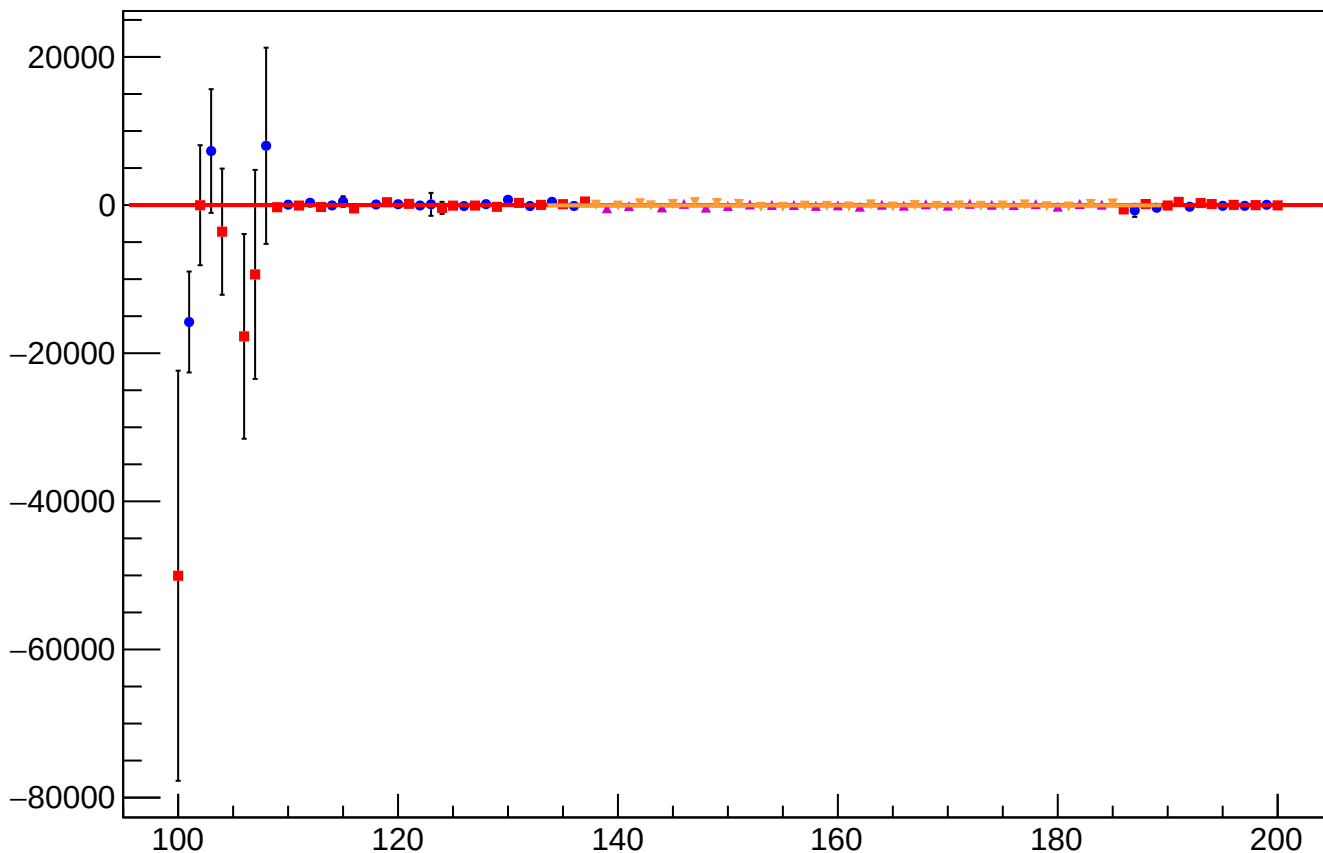
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.723 $\pm$ 0.002 χ^2 /NDF: 54462461.9/47

All: 2.696 $\pm$ 0.001 χ^2 /NDF: 111046060.1/98

- sign 2.672 $\pm$ 0.001 χ^2 /NDF: 56583064.2/50

asym_cav4cQ_mean vs Slug



Right In: 7.078+/-65.318 χ^2 /NDF: 15.7/22

Left Out: -39.036+/-49.576 χ^2 /NDF: 9.1/24

Right Out: -3.139+/-59.849 χ^2 /NDF: 16.8/27

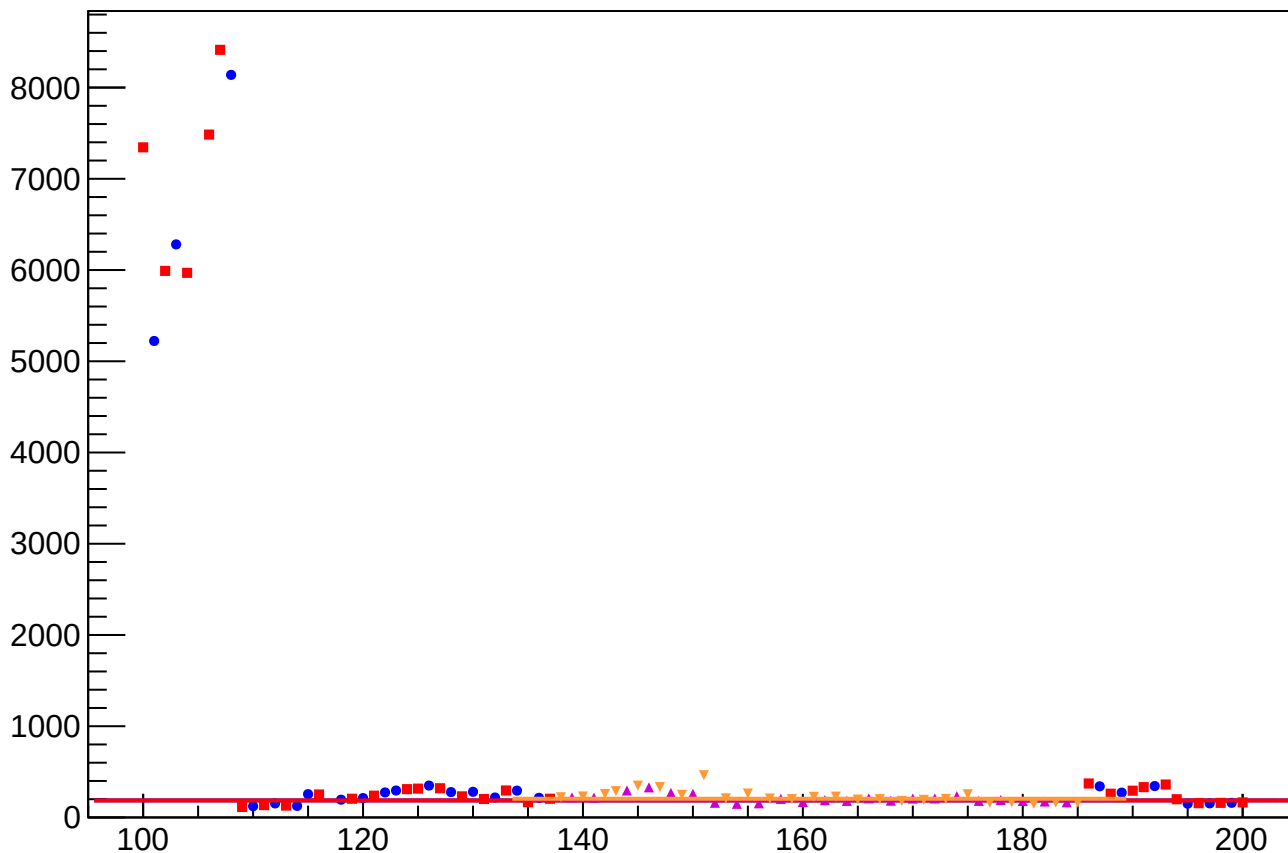
Left In: -28.062+/-48.032 χ^2 /NDF: 9.6/22

+ sign -22.180+/-39.490 χ^2 /NDF: 25.1/47

All: -20.137+/-27.177 χ^2 /NDF: 51.6/98

- sign -18.298+/-37.460 χ^2 /NDF: 26.5/50

asym_cav4cQ_rms vs Slug



Right In: 186.689 $\pm$ 0.046 χ^2 /NDF: 4455553.7/22

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF:1957484.4/24

Right Out: 186.568 $\pm$ 0.042 χ^2 /NDF: 5321402.2/27

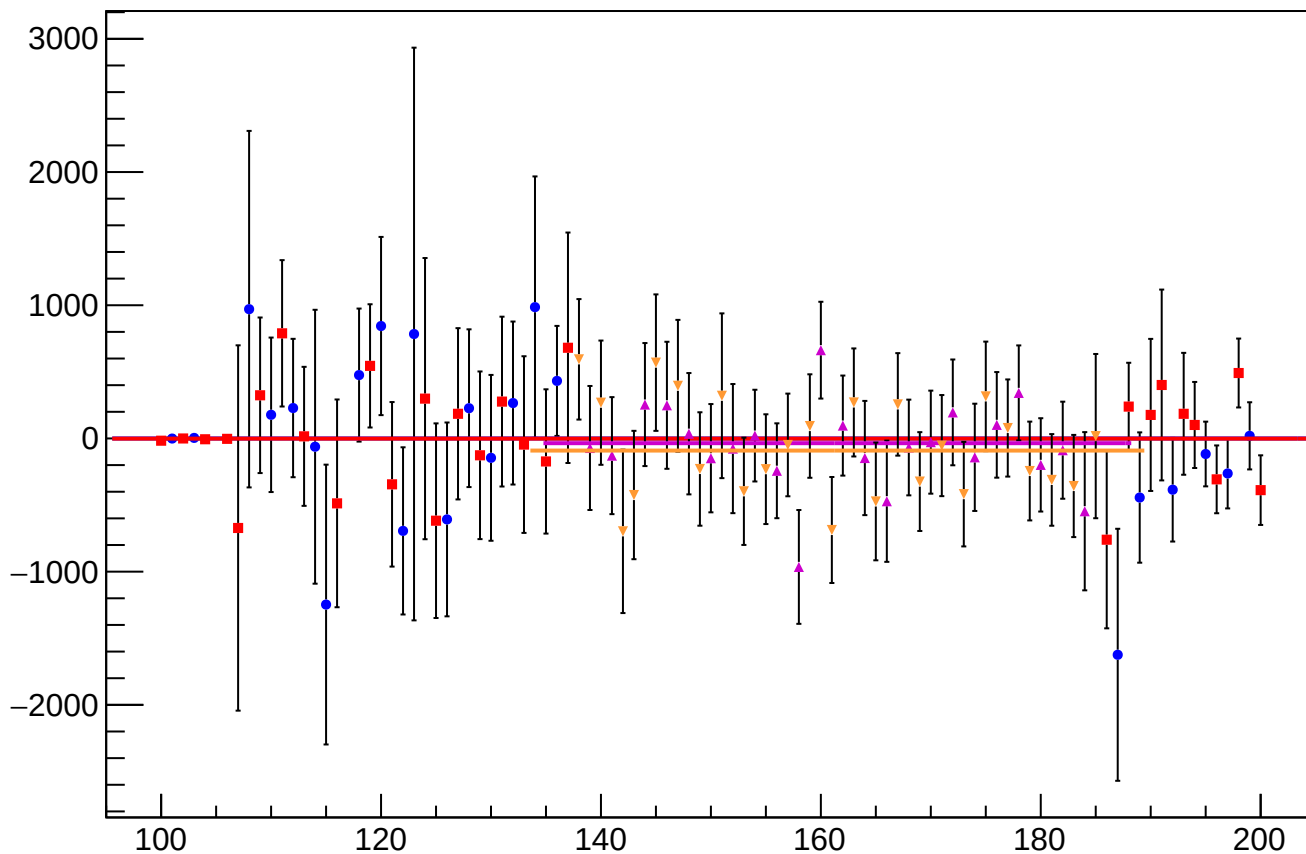
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 198.379 $\pm$ 0.028 χ^2 /NDF: 6514011.8/47

All: 194.419 $\pm$ 0.019 χ^2 /NDF: 13069971.0/98

- sign 190.855 $\pm$ 0.026 χ^2 /NDF: 6517742.3/50

asym_cav4dQ_mean vs Slug



Right In: -0.176 ± 1.736 χ^2/NDF : 16.1/22

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.321 ± 1.622 χ^2/NDF : 19.0/27

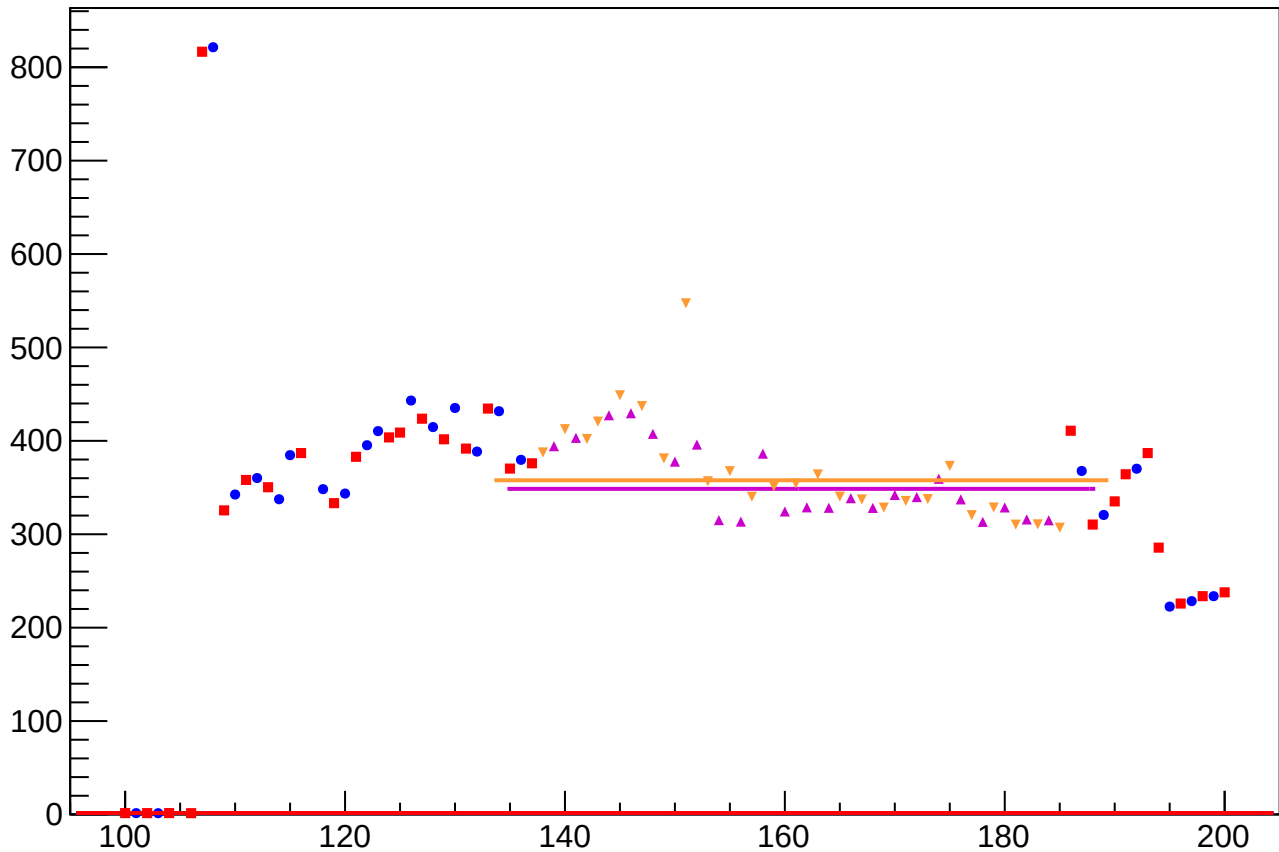
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.215 ± 1.736 χ^2/NDF : 33.7/47

All: -0.812 ± 1.185 χ^2/NDF : 66.6/98

- sign -1.334 ± 1.622 χ^2/NDF : 32.6/50

asym_cav4dQ_rms vs Slug



Right In: 1.497 $\pm$ 0.001 χ^2 /NDF: 18567307.9/22

Left Out: 357.804 $\pm$ 0.059 χ^2 /NDF: 547036.5/24

Right Out: 1.505 $\pm$ 0.001 χ^2 /NDF: 22317581.1/27

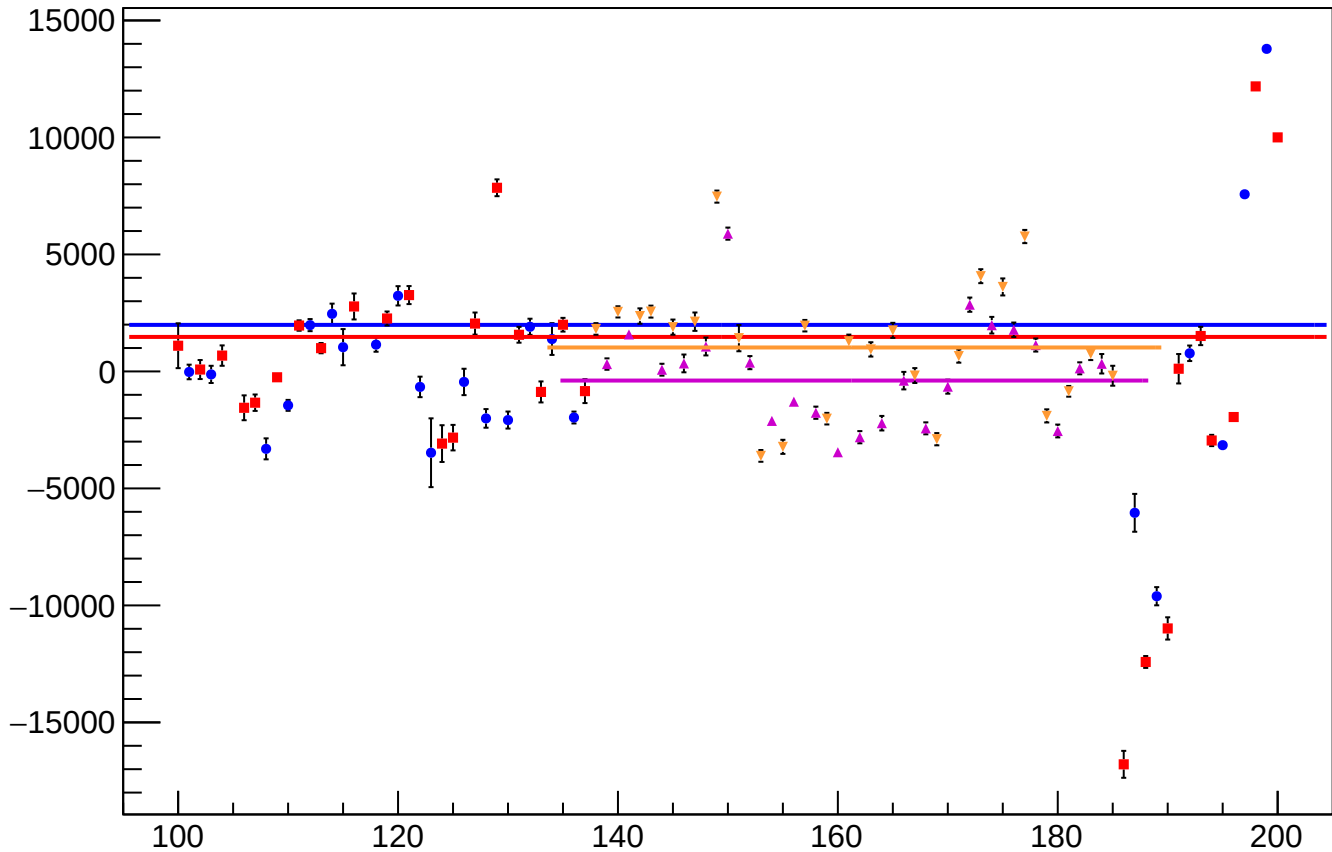
Left In: 348.611 $\pm$ 0.060 χ^2 /NDF: 362511.2/22

+ sign 1.649 $\pm$ 0.001 χ^2 /NDF: 55016767.8/47

All: 1.640 $\pm$ 0.001 χ^2 /NDF: 111526094.3/98

- sign 1.633 $\pm$ 0.001 χ^2 /NDF: 56509239.3/50

asym_bcm0l02_mean vs Slug



Right In: 1989.096 $\pm$ 64.857 χ^2 /NDF: 8092.9/22

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

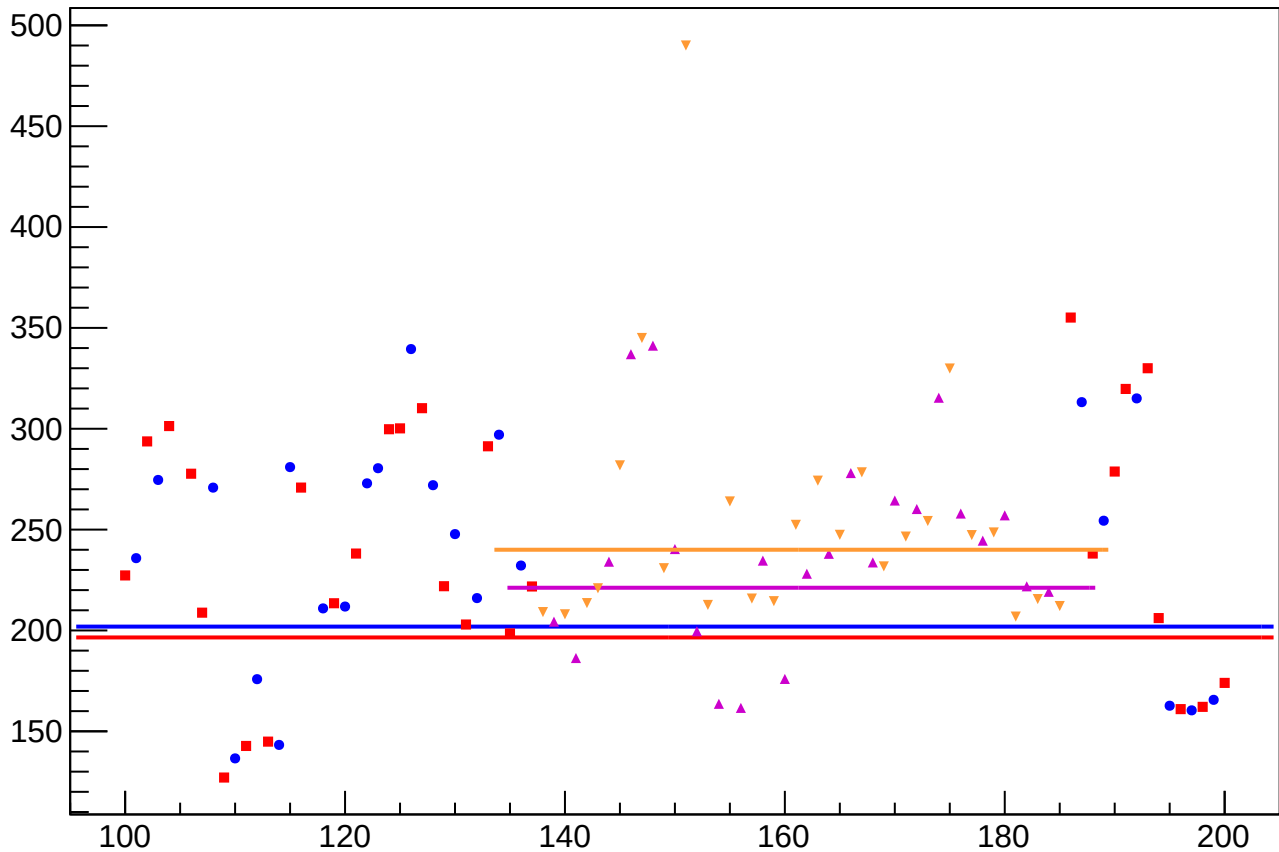
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF: 1584.9/22

+ sign 1447.071 $\pm$ 42.958 χ^2 /NDF: 10526.7/47

All: 935.187 $\pm$ 29.191 χ^2 /NDF: 24551.2/98

- sign 496.023 $\pm$ 39.790 χ^2 /NDF: 13760.8/50

asym_bcm0l02_rms vs Slug



Right In: 201.910 ± 0.046 $\chi^2/\text{NDF}: 1315734.1/22$

Left Out: 240.019 ± 0.041 $\chi^2/\text{NDF}: 1002427.9/24$

Right Out: 196.533 ± 0.041 $\chi^2/\text{NDF}: 1945583.1/27$

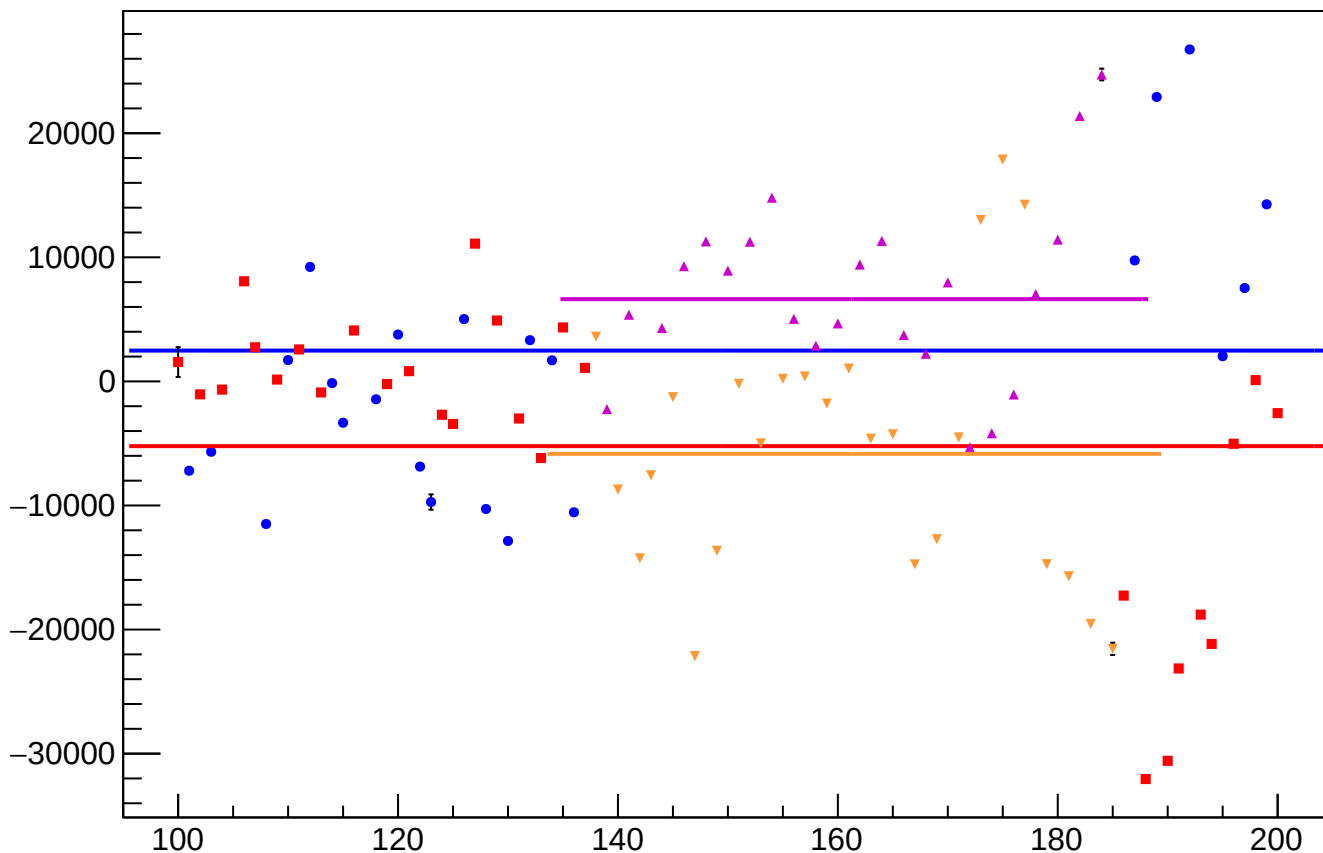
Left In: 221.173 ± 0.039 $\chi^2/\text{NDF}: 1342517.8/22$

+ sign 223.301 ± 0.030 $\chi^2/\text{NDF}: 2705754.0/47$

All: 215.852 ± 0.021 $\chi^2/\text{NDF}: 6296847.4/98$

- sign 209.461 ± 0.028 $\chi^2/\text{NDF}: 3479367.8/50$

asym_bpm2i01WS_mean vs Slug



Right In: 2483.982 ± 40.225 $\chi^2/\text{NDF}: 77136.7/22$

Left Out: -5841.615 ± 35.848 $\chi^2/\text{NDF}: 63397.3/24$

Right Out: -5218.959 ± 36.335 $\chi^2/\text{NDF}: 101288.4/27$

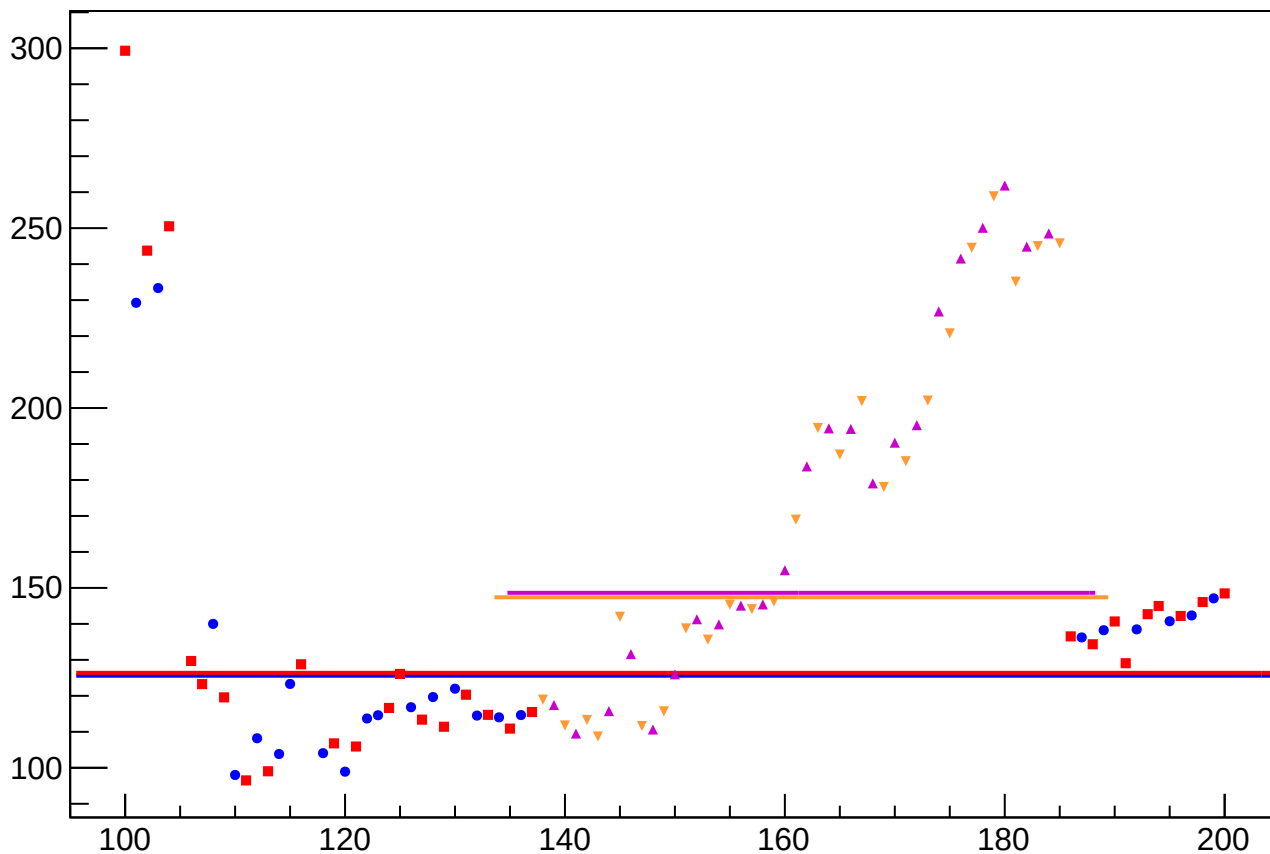
Left In: 6628.388 ± 37.160 $\chi^2/\text{NDF}: 21738.0/22$

+ sign -2156.288 ± 26.762 $\chi^2/\text{NDF}: 164410.5/47$

All: -751.827 ± 18.641 $\chi^2/\text{NDF}: 344750.5/98$

- sign 571.656 ± 25.979 $\chi^2/\text{NDF}: 174990.7/50$

asym_bpm2i01WS_rms vs Slug



Right In: 125.598 $\pm$ 0.028 χ^2 /NDF: 783626.0/22

Left Out: 147.396 $\pm$ 0.025 χ^2 /NDF: 2517097.1/24

Right Out: 126.403 $\pm$ 0.026 χ^2 /NDF: 922805.7/27

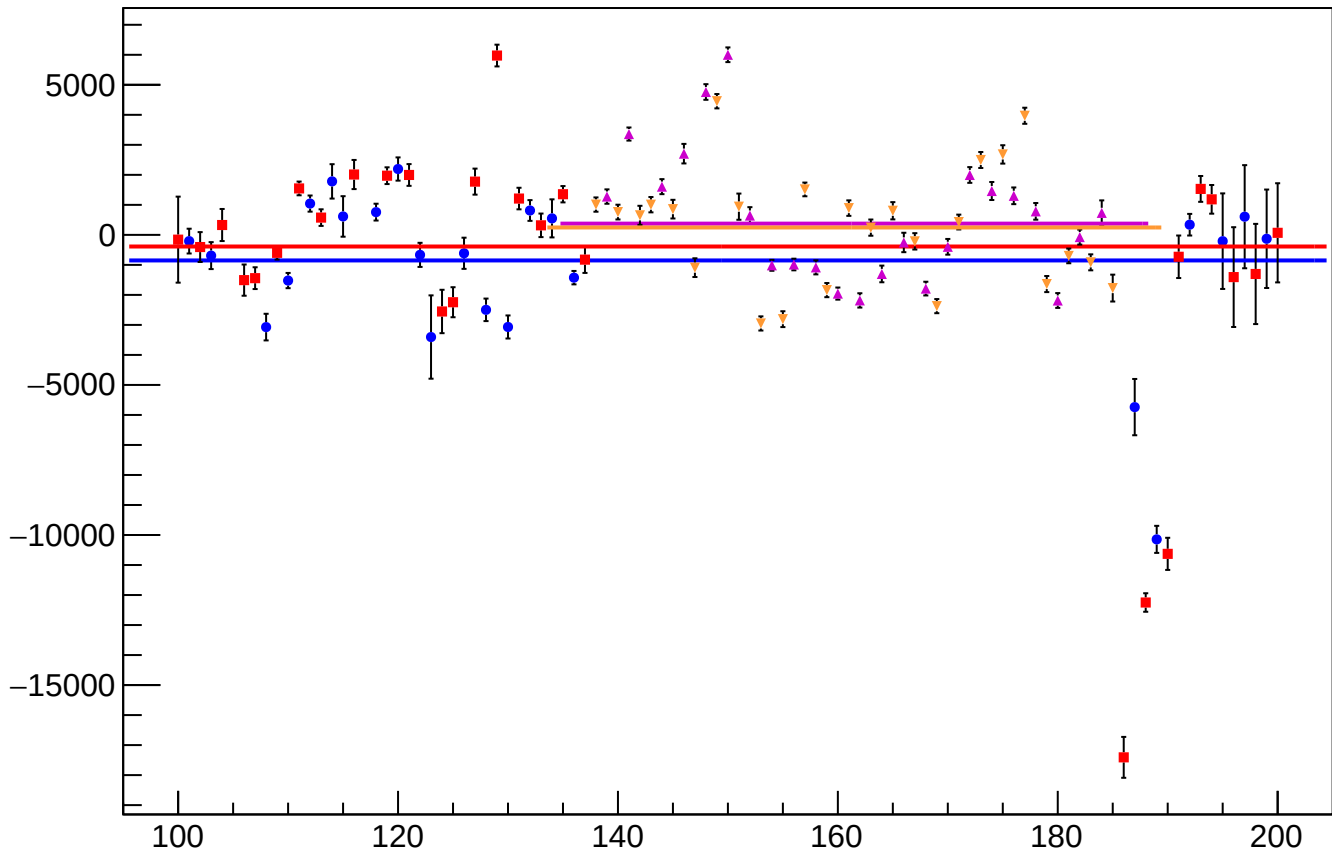
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF: 2415531.9/22

+ sign 137.747 $\pm$ 0.019 χ^2 /NDF: 3628068.7/47

All: 137.503 $\pm$ 0.013 χ^2 /NDF: 7332951.3/98

- sign 137.273 $\pm$ 0.018 χ^2 /NDF: 3704558.7/50

asym_bpm0i07WS_mean vs Slug



Right In: -851.814 ± 84.522 $\chi^2/\text{NDF}: 760.5/22$

Left Out: 246.120 ± 53.492 $\chi^2/\text{NDF}: 1354.8/24$

Right Out: -387.523 ± 75.208 $\chi^2/\text{NDF}: 3160.8/27$

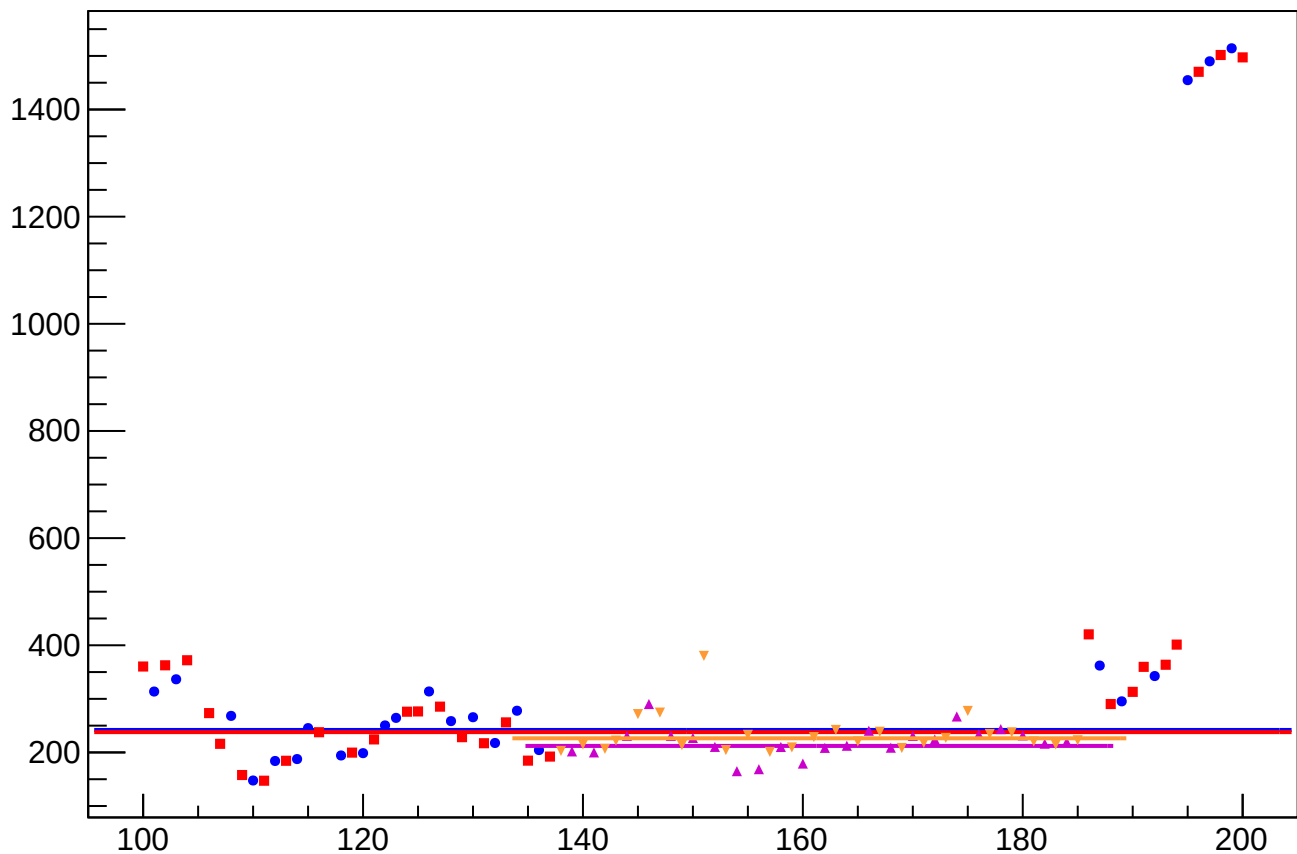
Left In: 374.465 ± 51.892 $\chi^2/\text{NDF}: 1798.3/22$

+ sign -67.873 ± 45.200 $\chi^2/\text{NDF}: 2235.8/47$

All: 35.974 ± 31.044 $\chi^2/\text{NDF}: 7274.4/98$

- sign 128.701 ± 42.712 $\chi^2/\text{NDF}: 5028.7/50$

asym_bpm0i07WS_rms vs Slug



Right In: 241.954 $\pm$ 0.060 χ^2 /NDF: 4386456.1/22

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

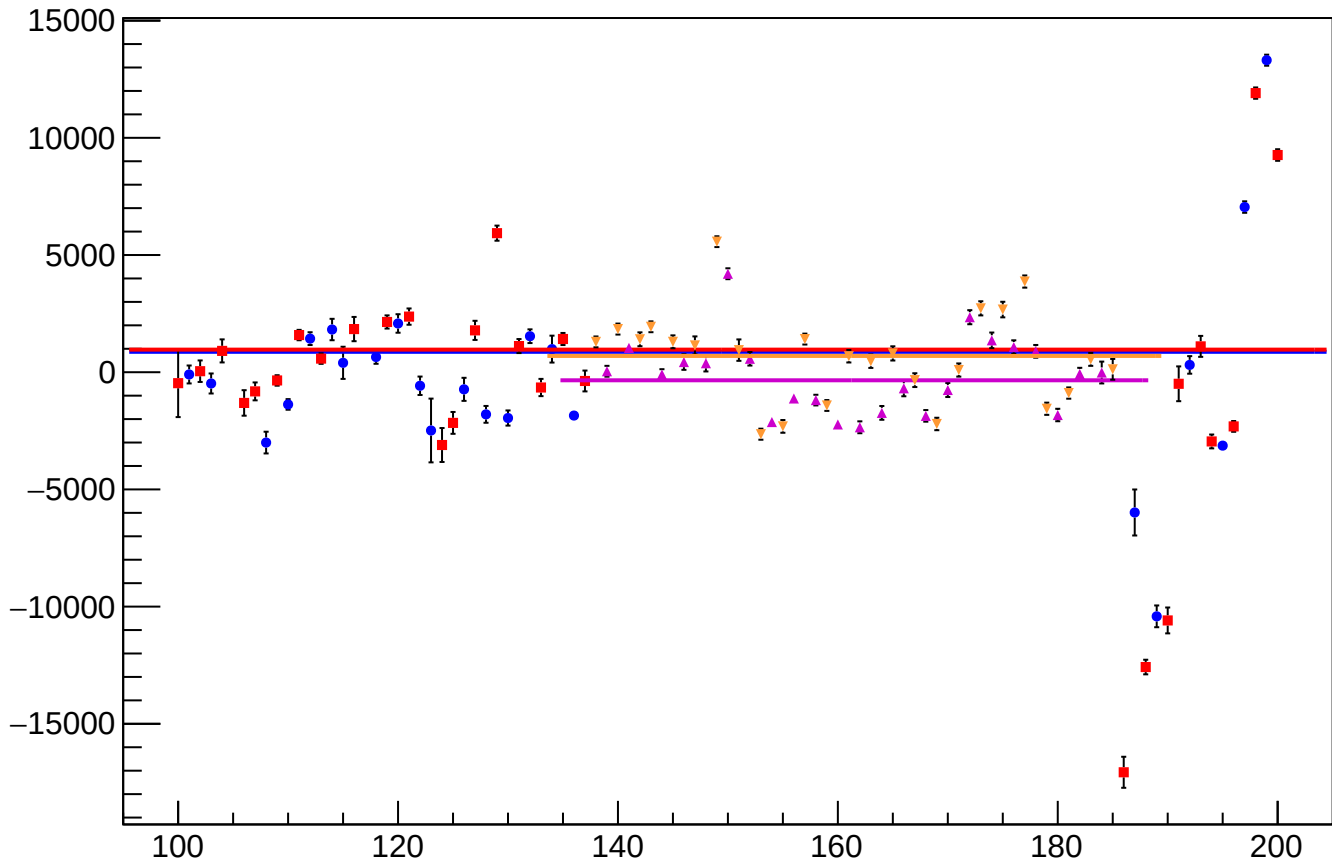
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 230.831 $\pm$ 0.032 χ^2 /NDF: 4956738.3/47

All: 225.349 $\pm$ 0.022 χ^2 /NDF: 10994684.7/98

- sign 220.454 $\pm$ 0.030 χ^2 /NDF: 5982264.8/50

asym_bpm0l01WS_mean vs Slug



Right In: 871.076 ± 69.056 χ^2/NDF : 4952.7/22

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: 963.655 ± 62.958 χ^2/NDF : 7111.4/27

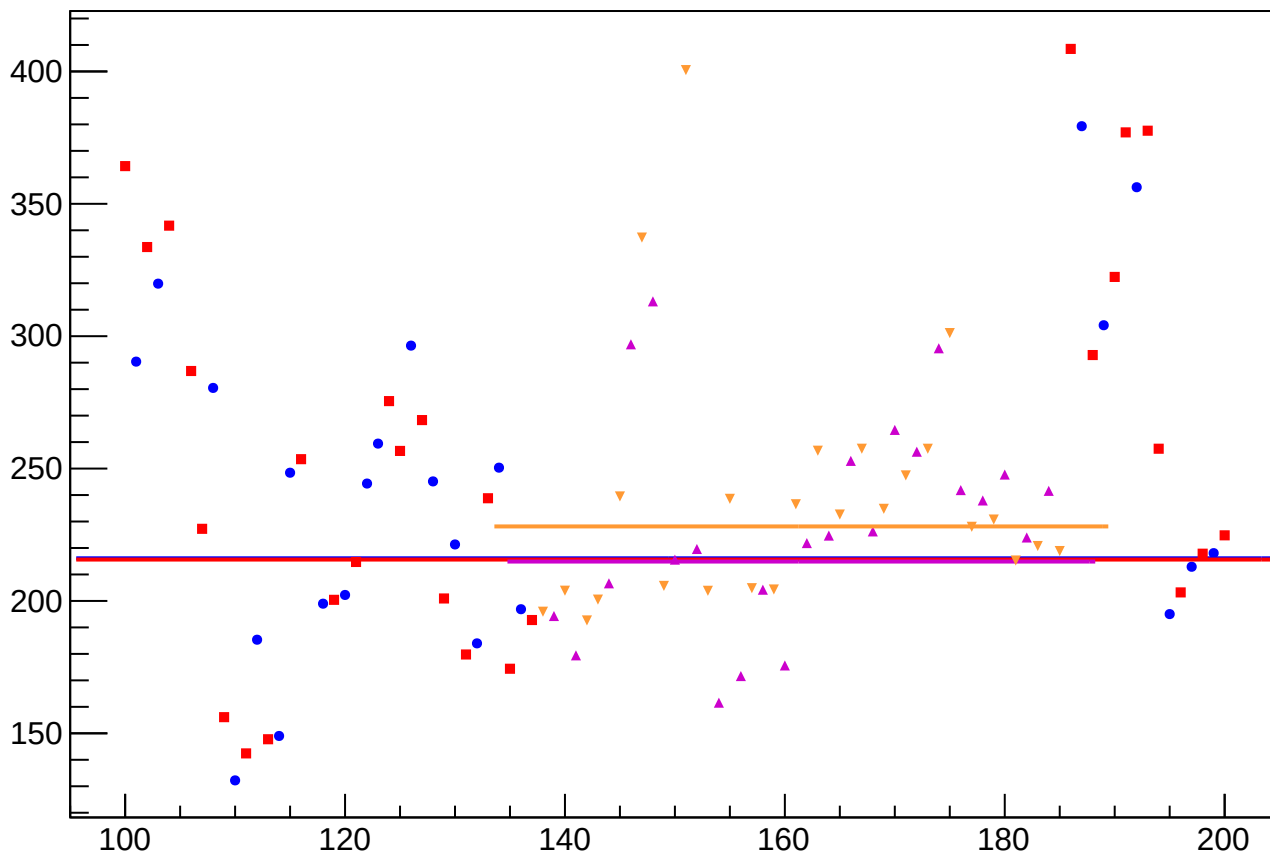
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 761.774 ± 42.659 χ^2/NDF : 6378.8/47

All: 465.157 ± 29.381 χ^2/NDF : 14820.1/98

- sign 197.469 ± 40.525 χ^2/NDF : 8349.3/50

asym_bpm0l01WS_rms vs Slug



Right In: 216.107 $\pm$ 0.049 χ^2 /NDF: 1142887.1/22

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

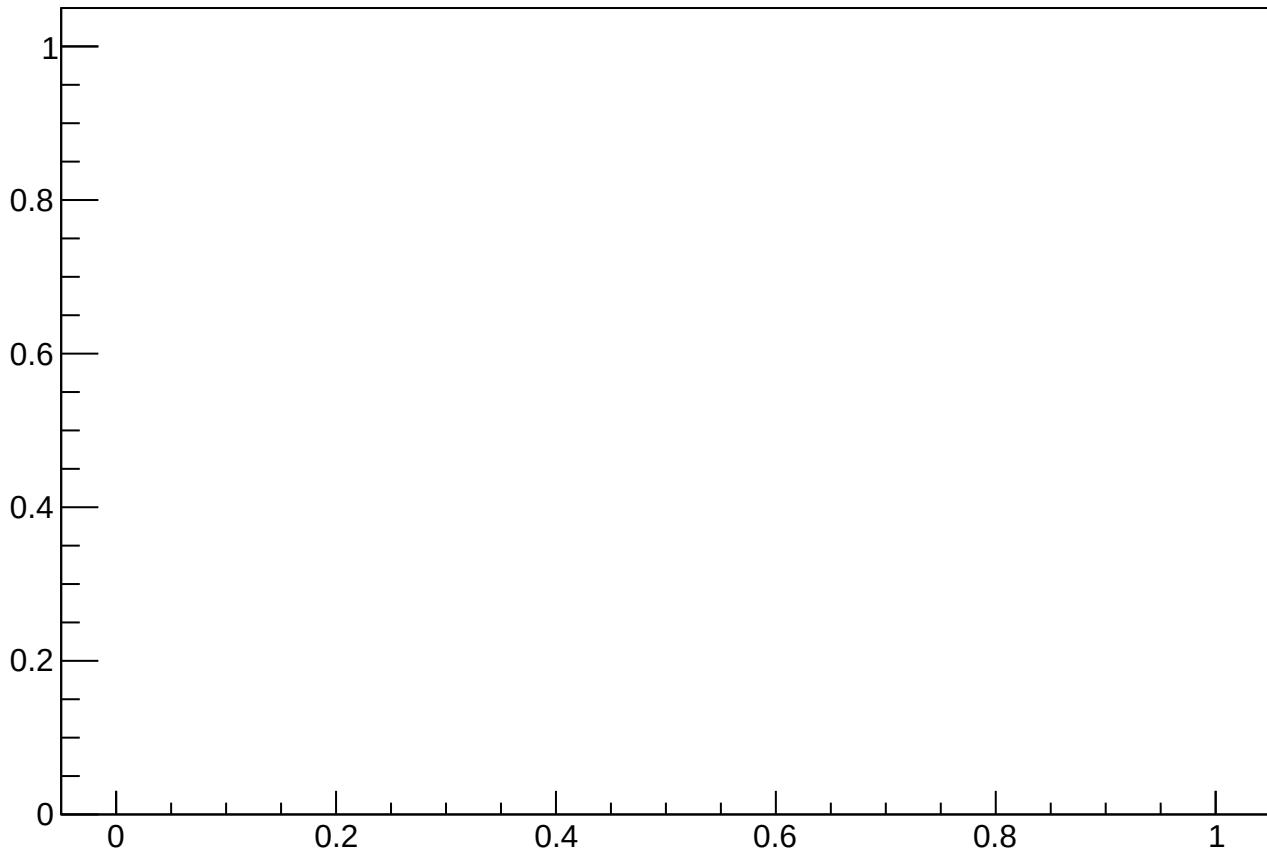
Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 223.550 $\pm$ 0.030 χ^2 /NDF: 2008863.8/47

All: 219.156 $\pm$ 0.021 χ^2 /NDF: 4903441.1/98

- 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

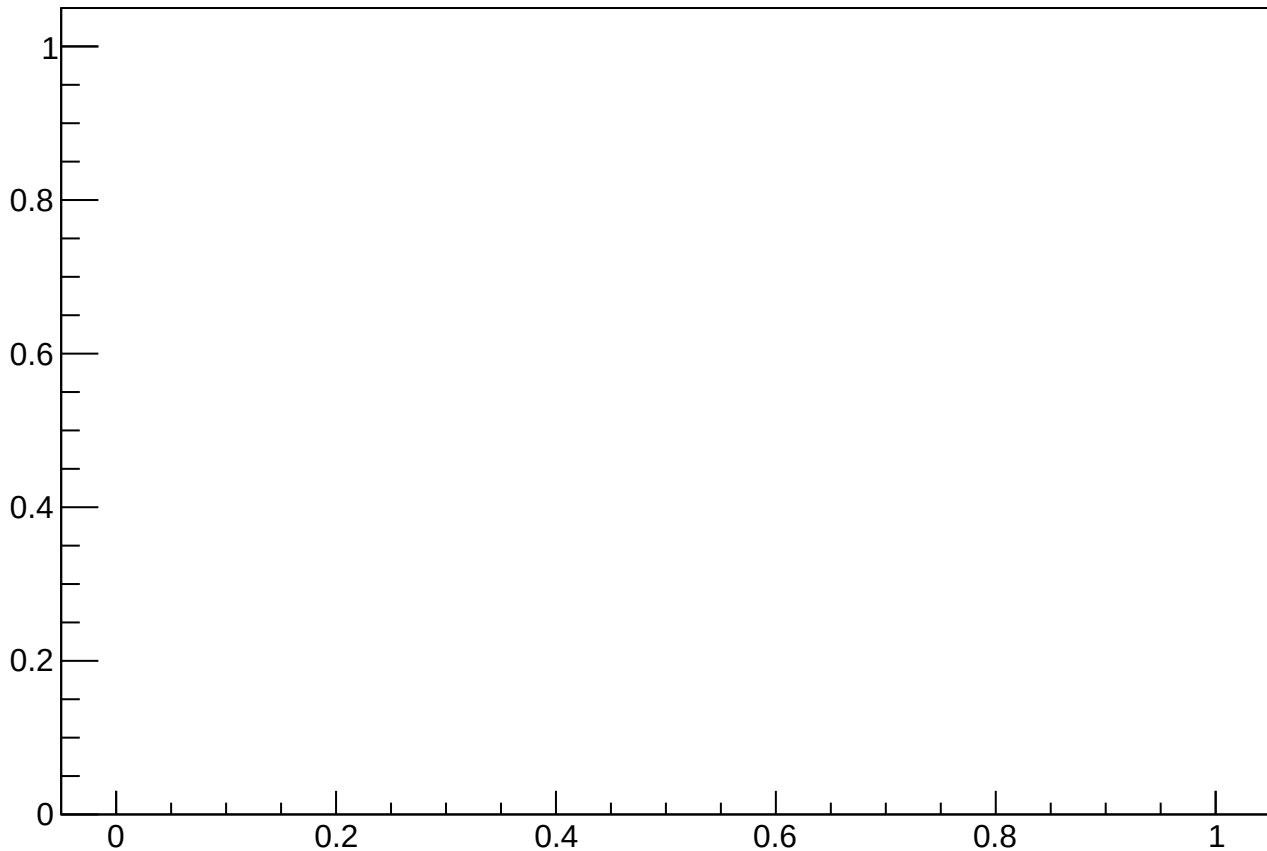
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

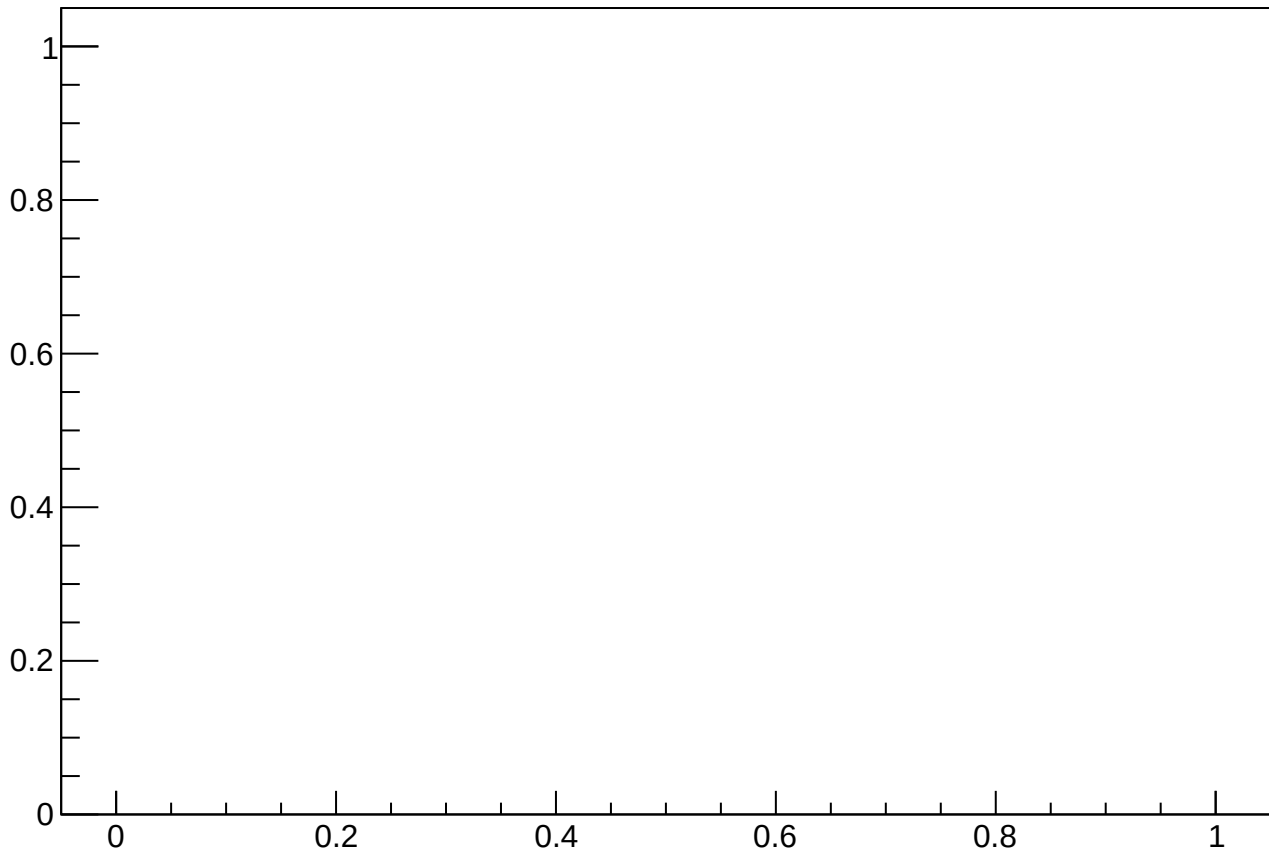
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

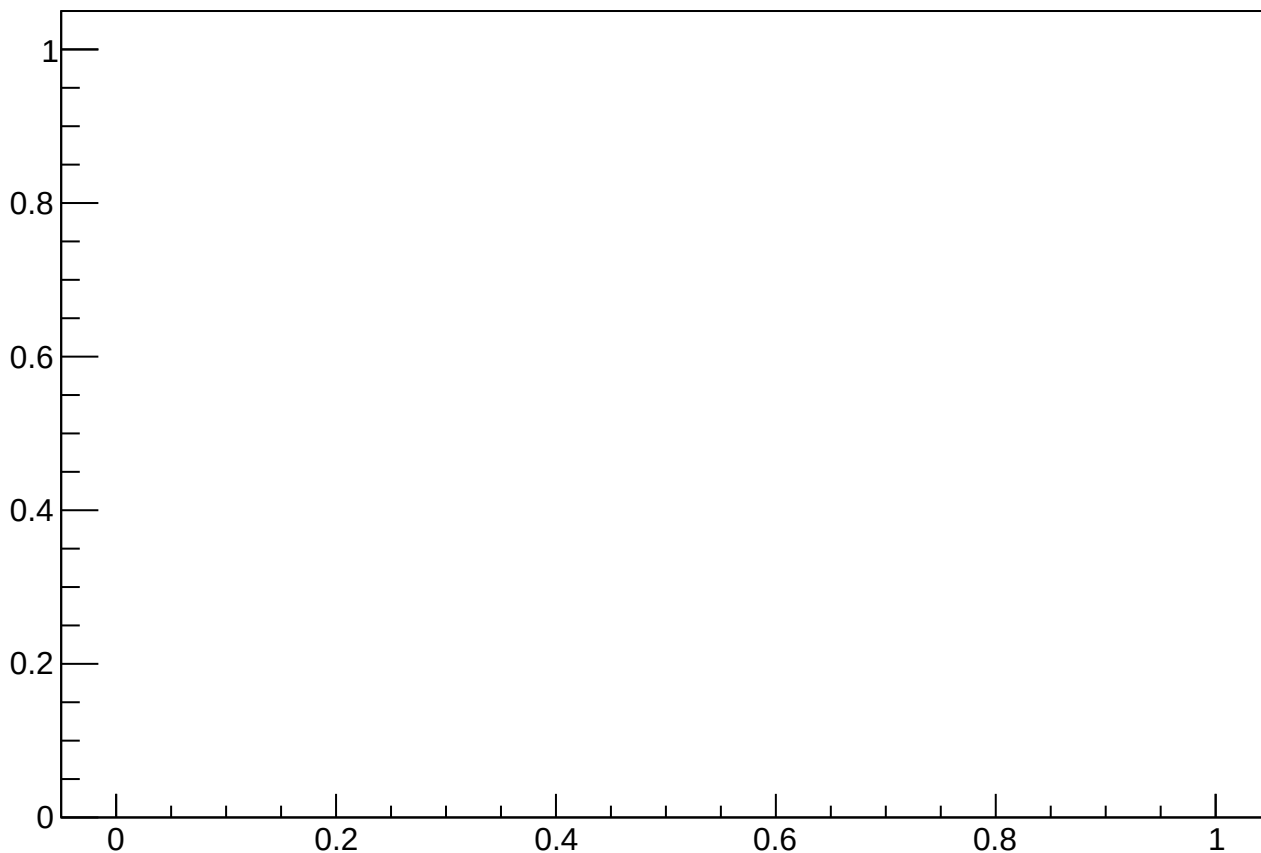
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

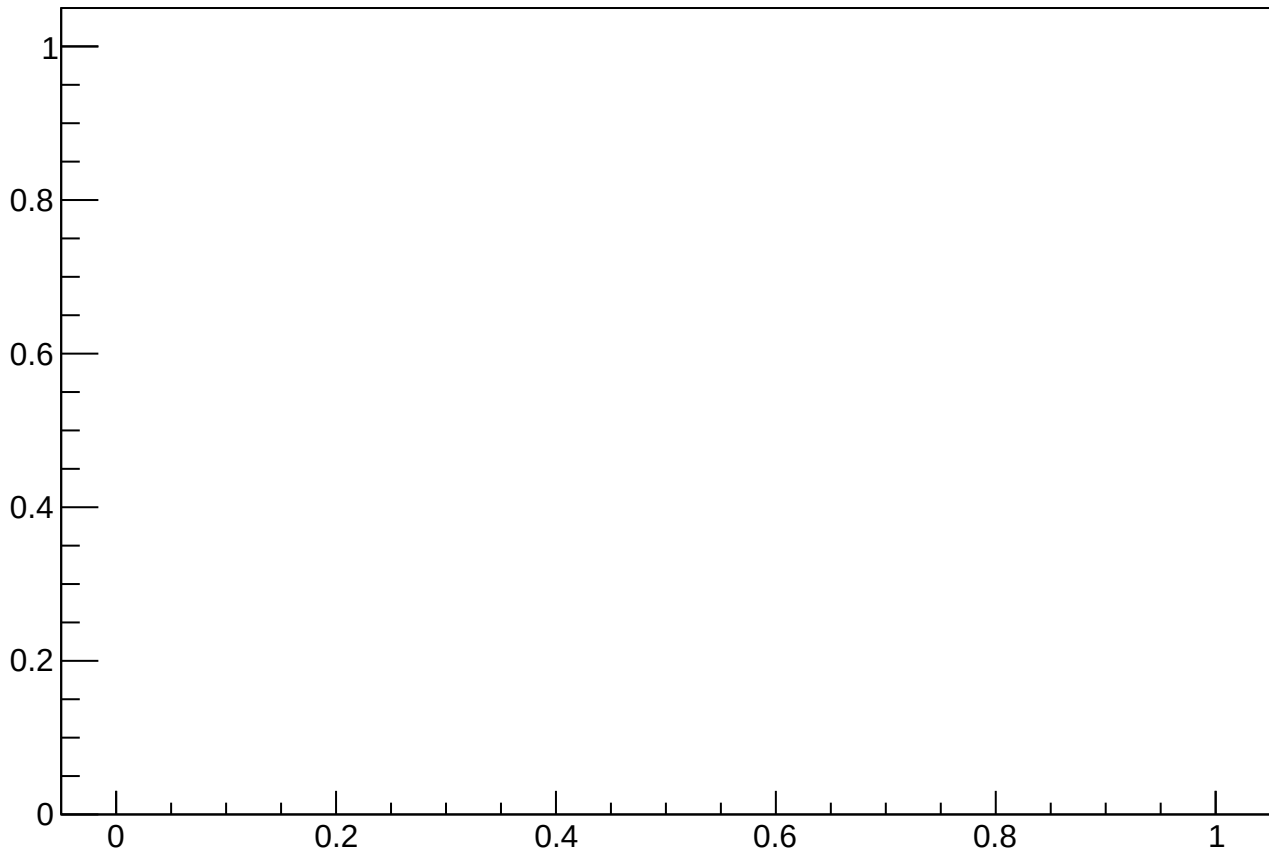
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

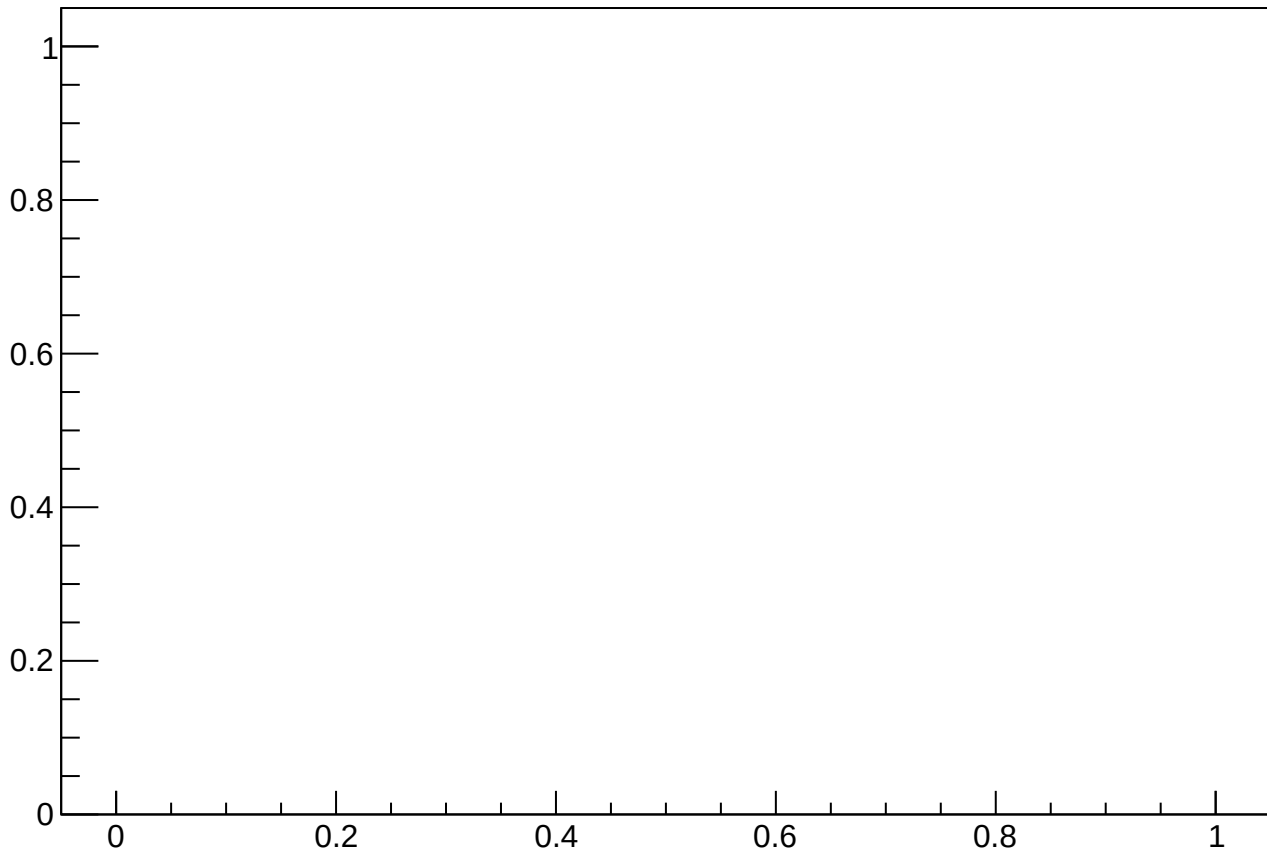
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

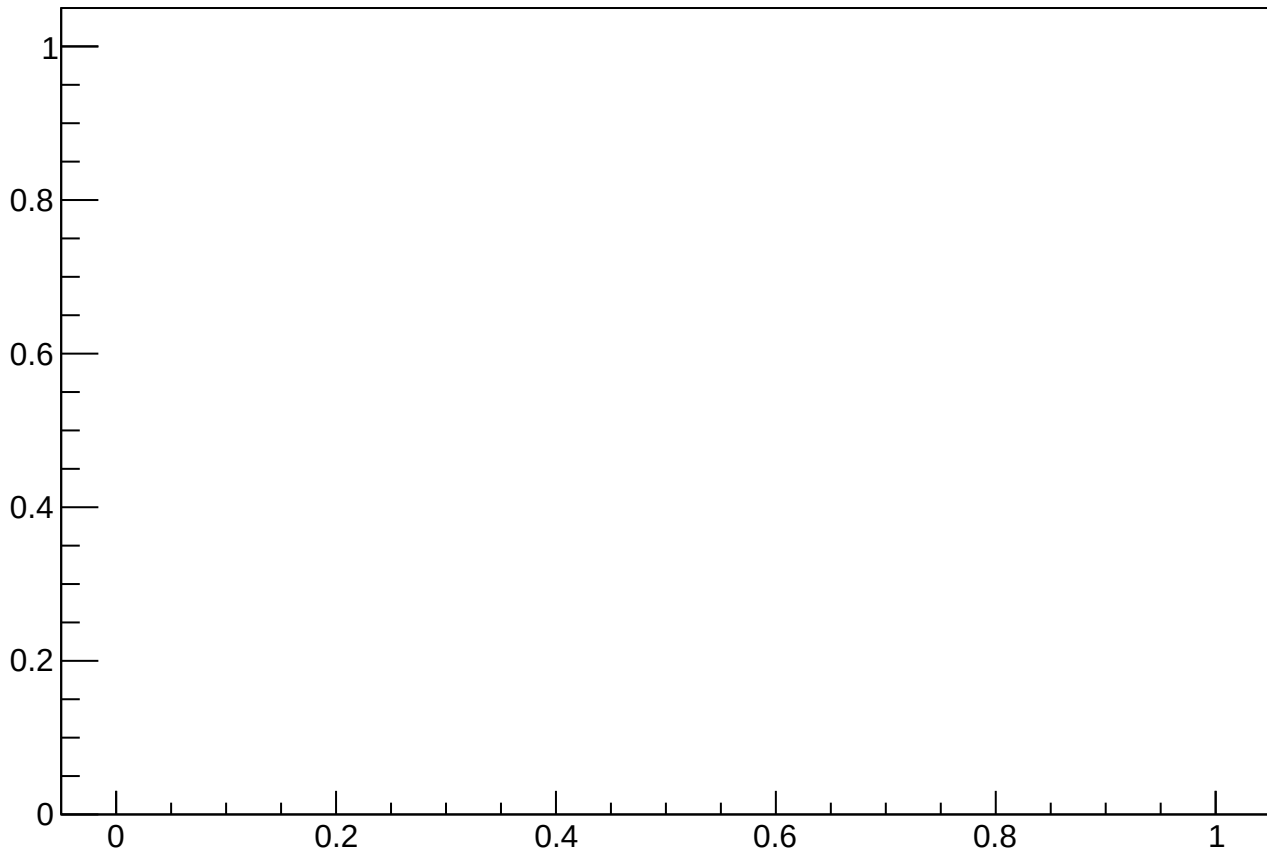
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

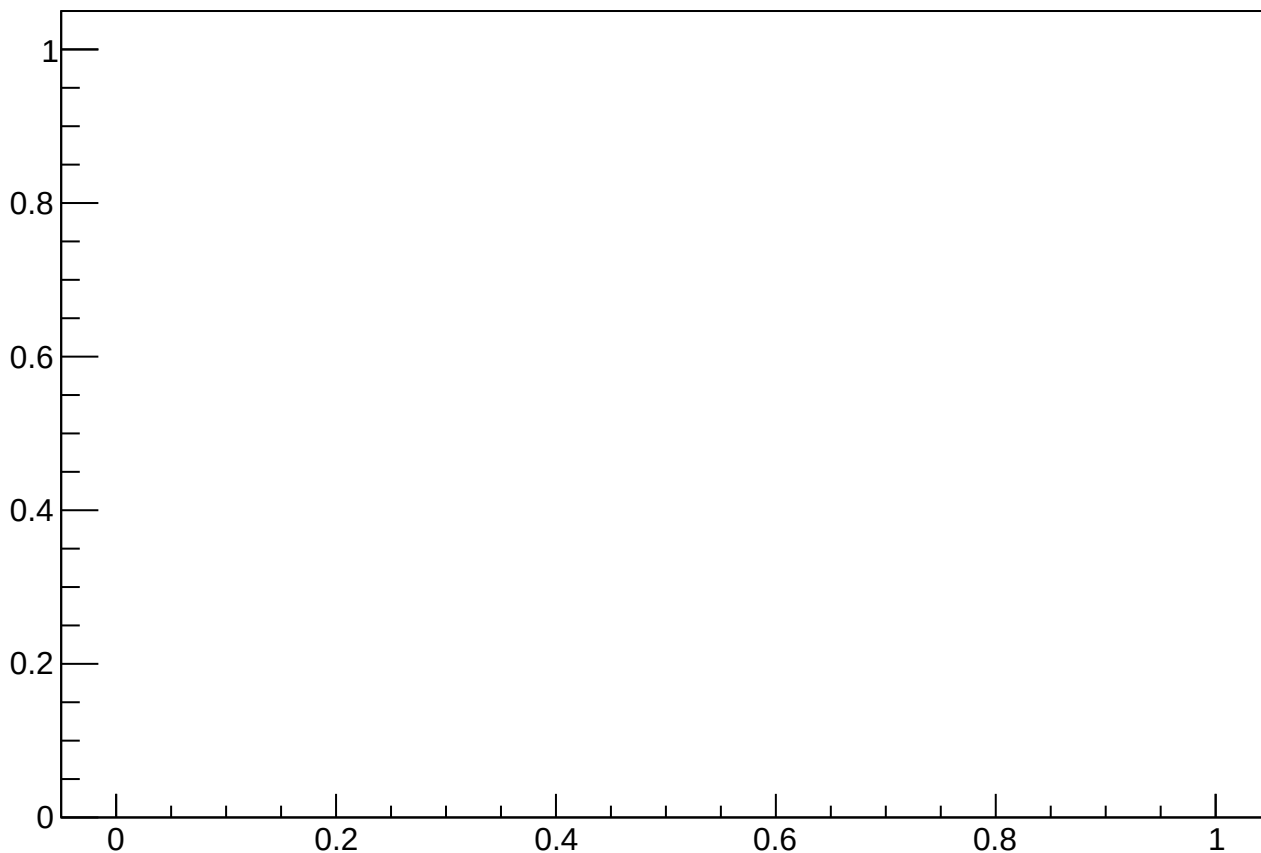
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

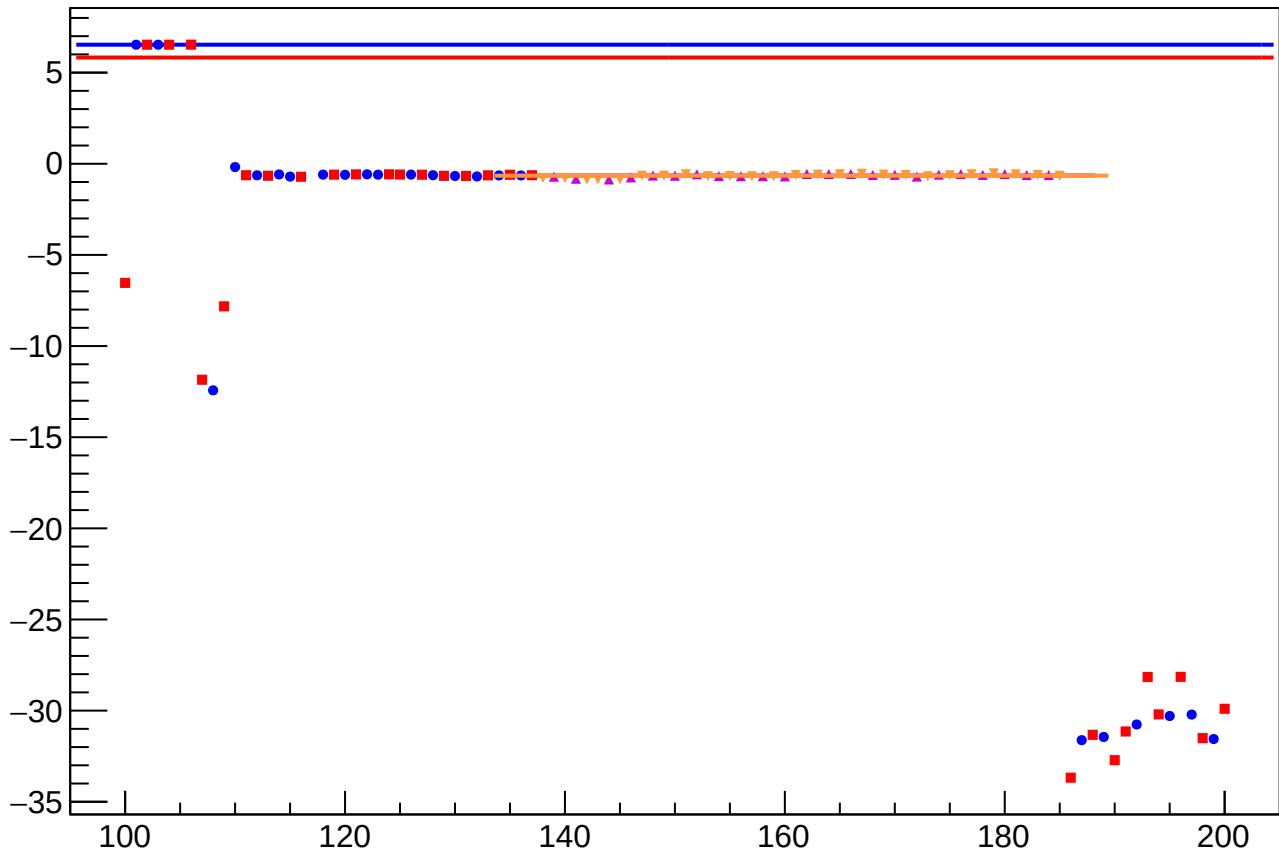
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 127859522584.1/22

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

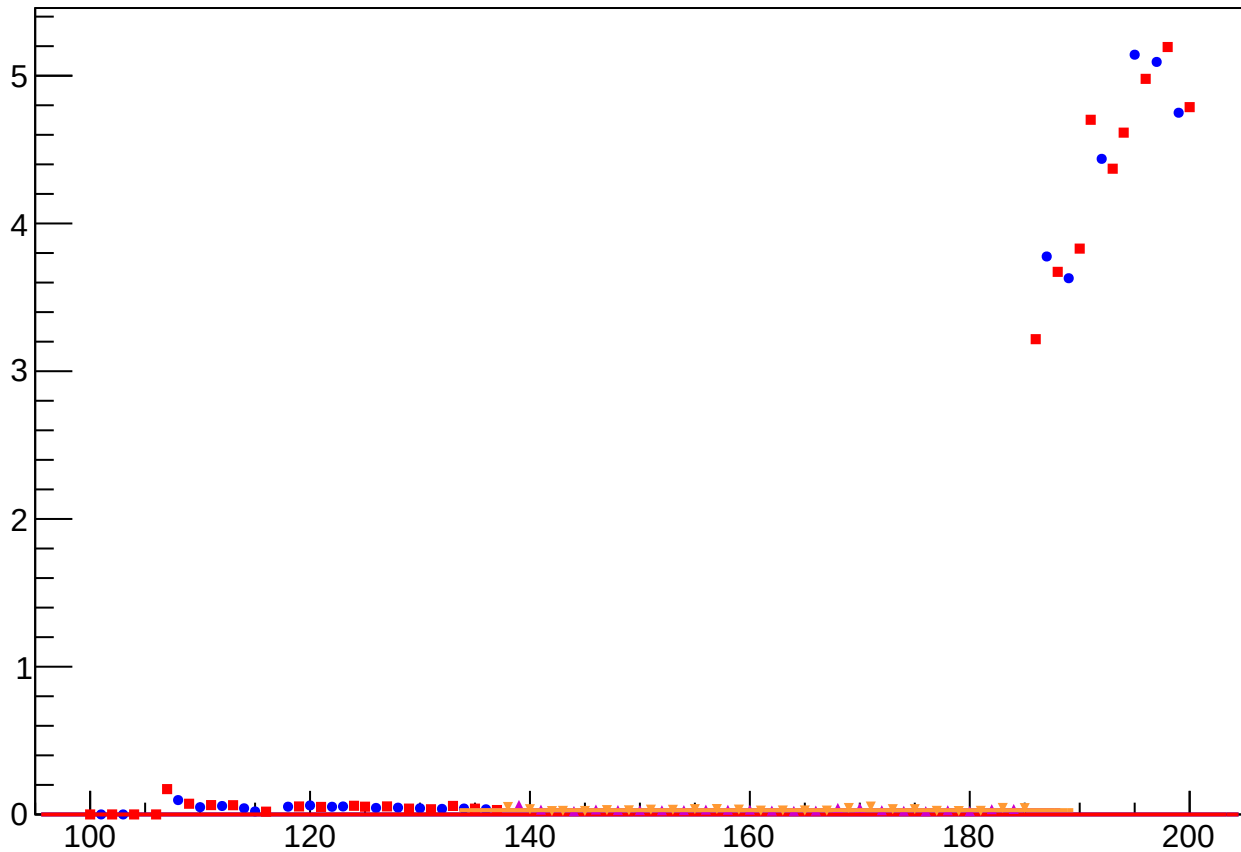
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001699024948.9/47

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762755375013

- 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 : 16555443.0/22

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20763011.0/27

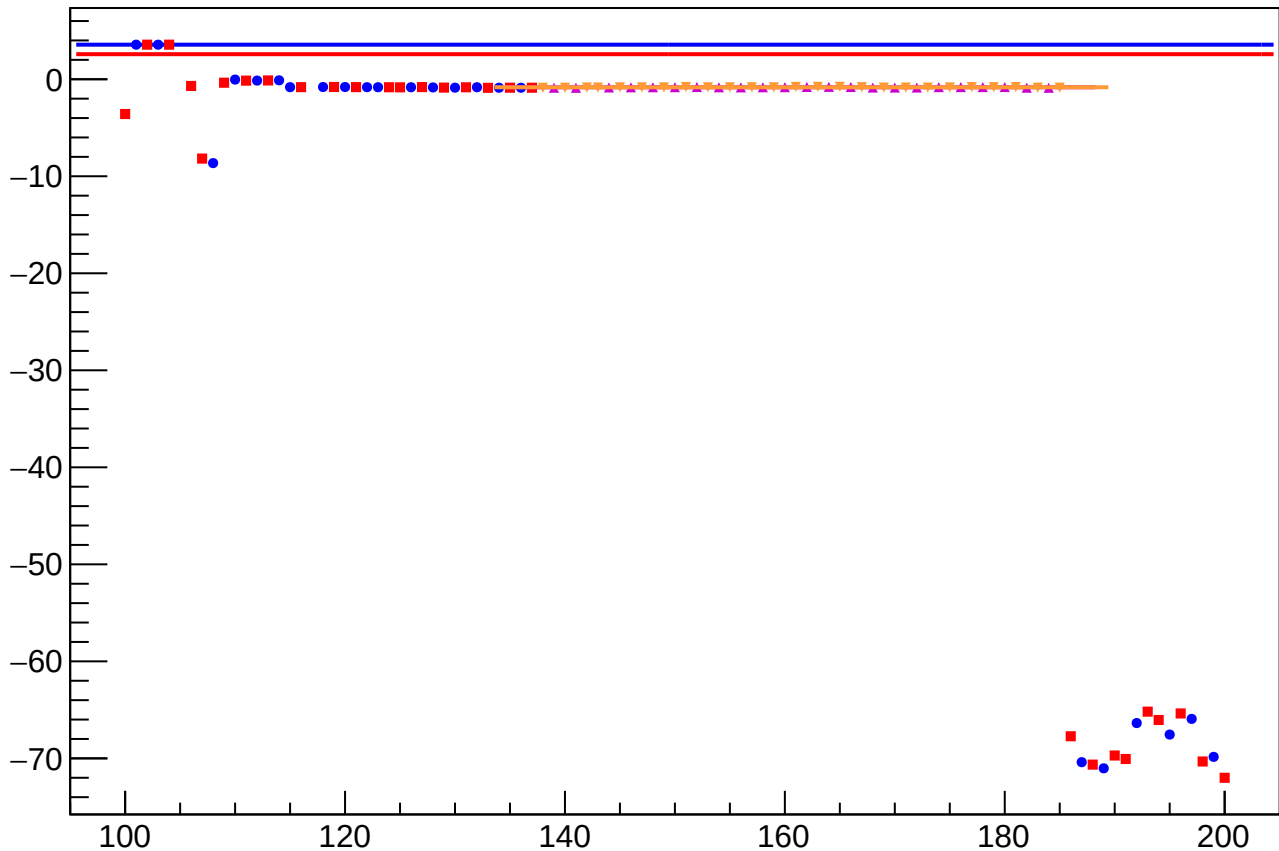
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 46519202.3/47

All: 0.000+/-0.000 χ^2/NDF : 95464719.9/98

- sign 0.000+/-0.000 χ^2/NDF : 48944850.2/50

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 494089380428.3/22

Left Out: -0.827 $\pm$ 0.000 χ^2 /NDF: 170052639.9/24

Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253522413605559.8/27

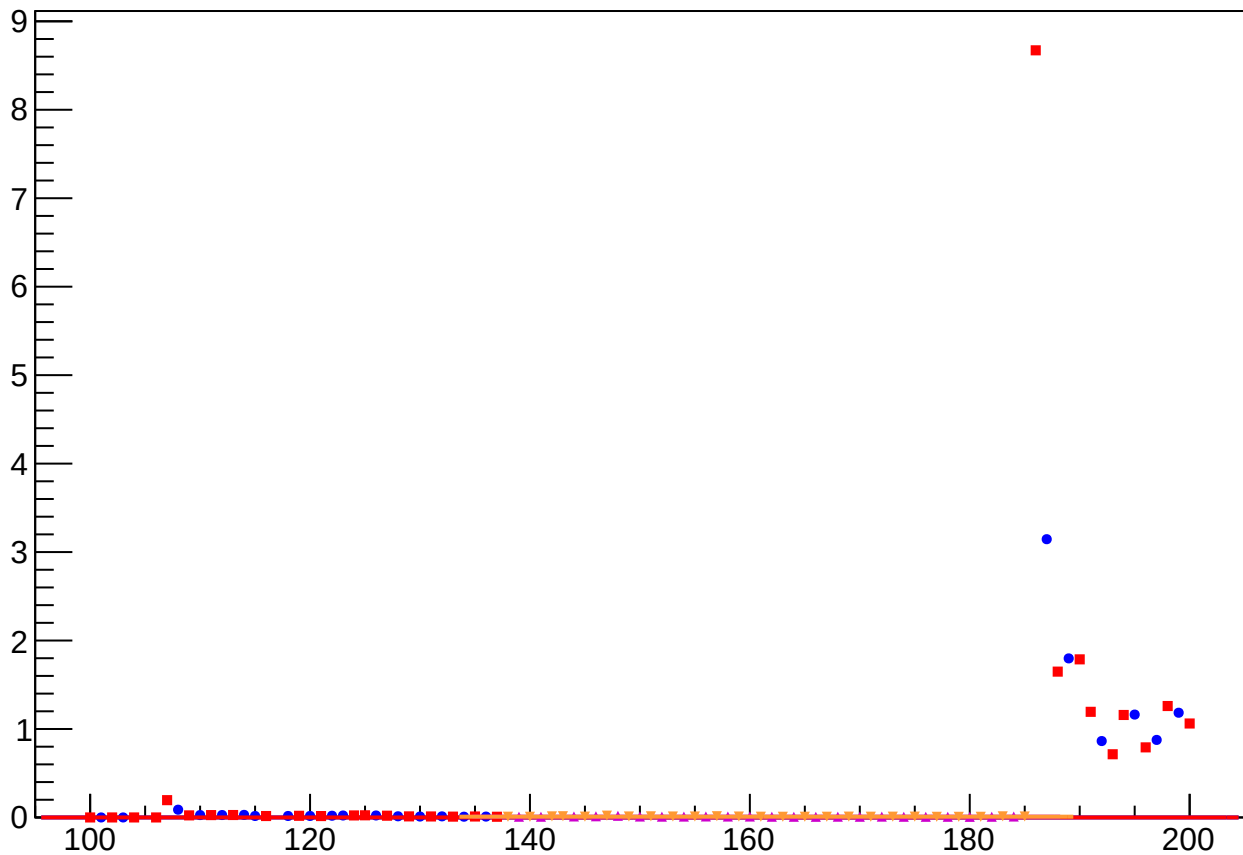
Left In: -0.827 $\pm$ 0.000 χ^2 /NDF: 174130375.4/22

+ sign 3.560 $\pm$ 0.000 χ^2 /NDF: 4190537228853.4/47

All: 3.038 $\pm$ 0.000 χ^2 /NDF: 13880122372982

- sign 2.581 $\pm$ 0.000 χ^2 /NDF: 1255743507534374.2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15951041.4/22

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19659270.1/27

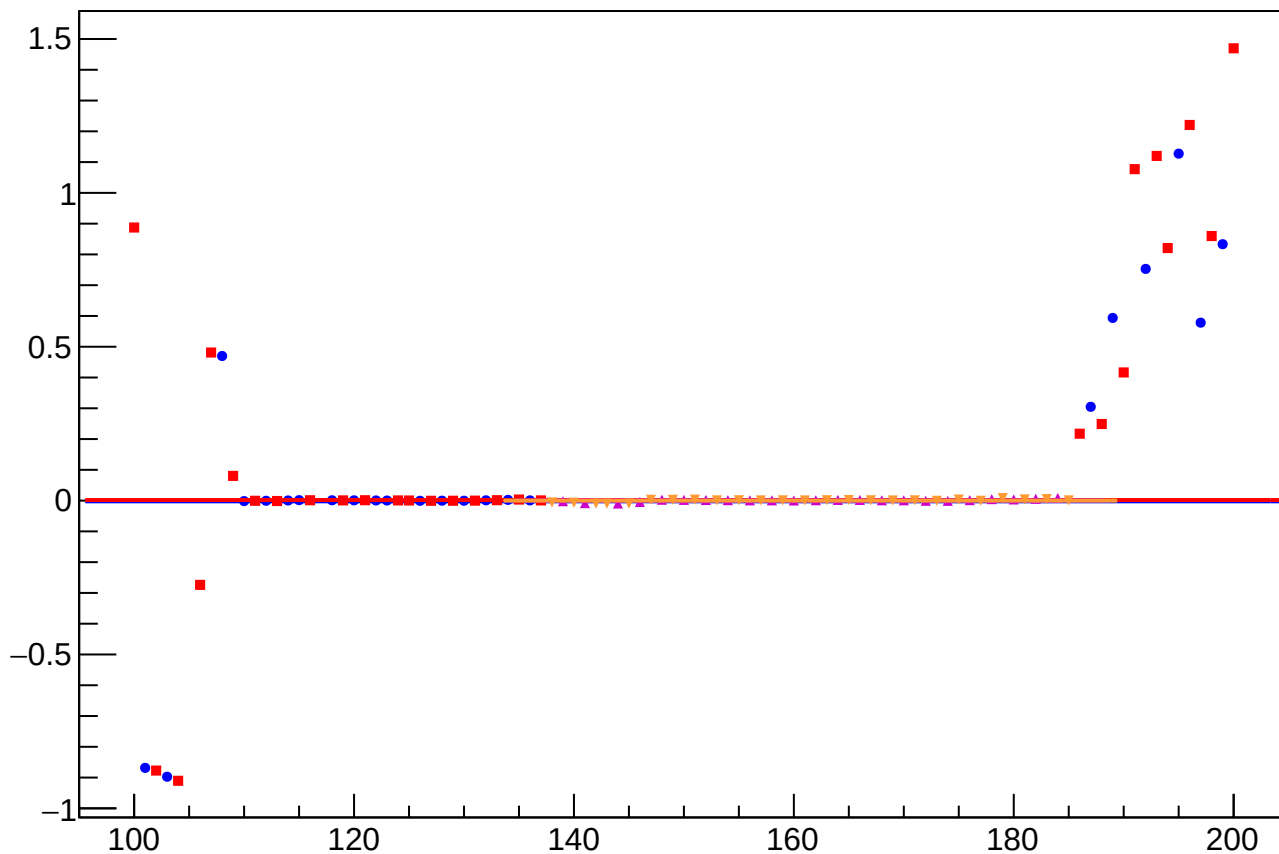
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 47459420.3/47

All: 0.000+/-0.000 χ^2/NDF : 96926395.2/98

- sign 0.000+/-0.000 χ^2/NDF : 49465899.6/50

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795703551.7/22

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3043015859.7/27

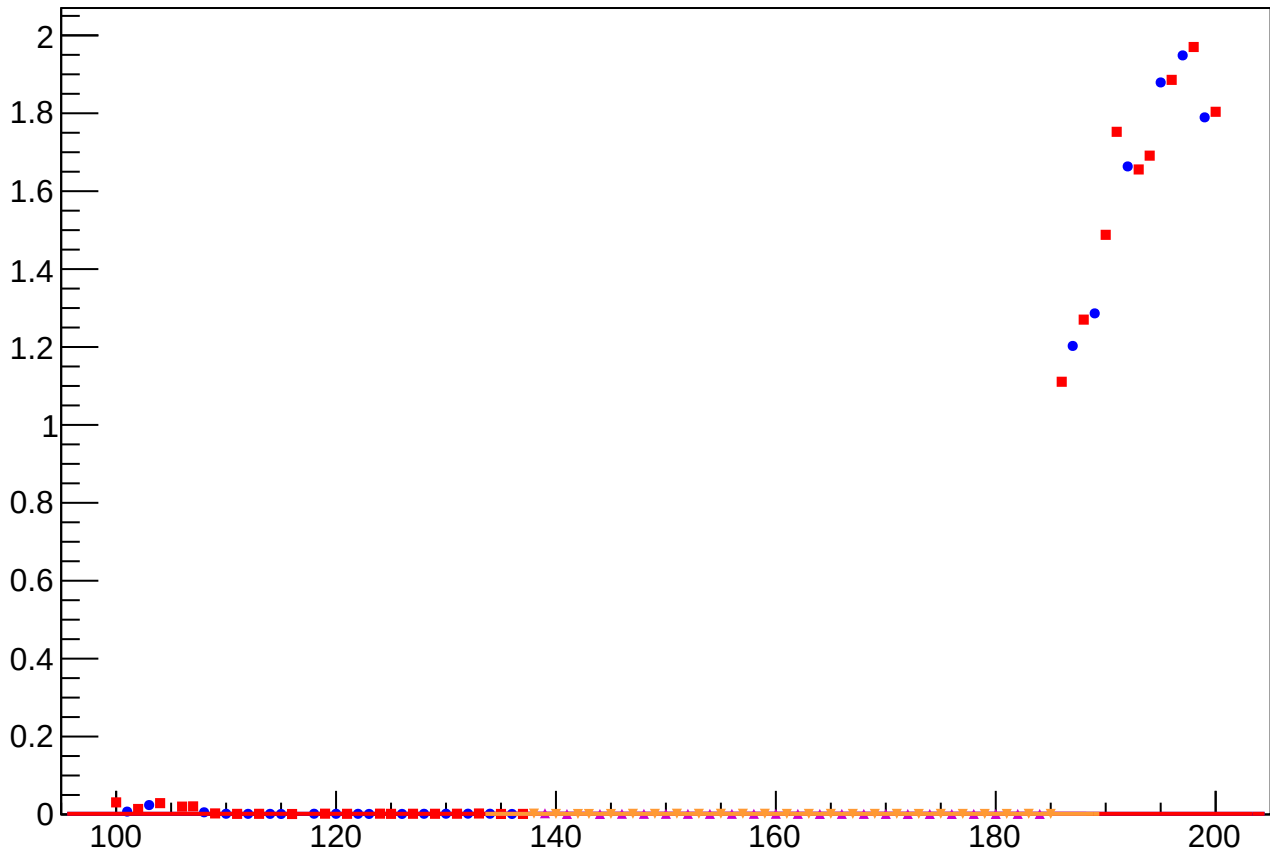
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9954224719.0/47

All: 0.000 ± 0.000 χ^2/NDF : 13108238391.9/9

- sign 0.001 ± 0.000 χ^2/NDF : 3146461858.1/50

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 9591461.3/22

Left Out: 0.001+/-0.000 χ^2/NDF : 539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 14437222.0/27

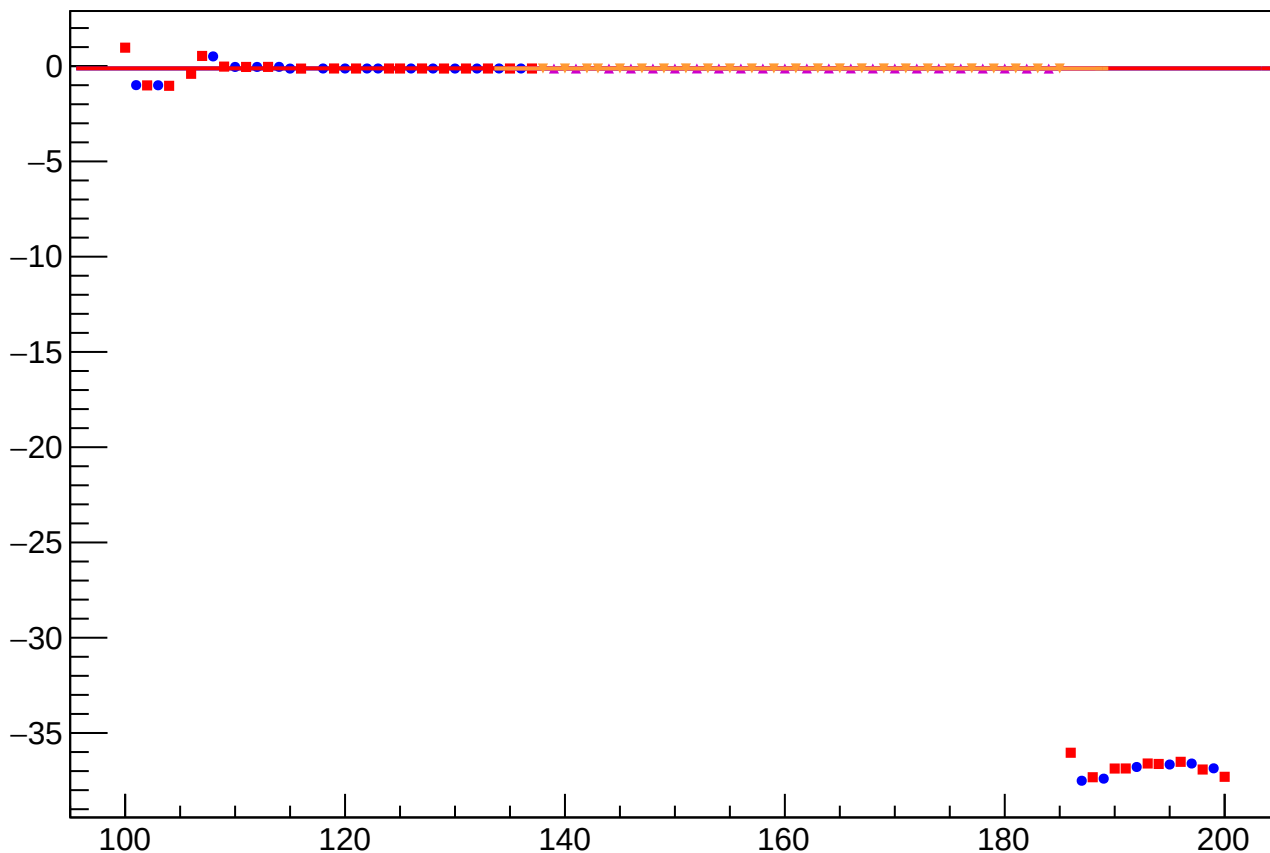
Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 10201026.1/47

All: 0.002+/-0.000 χ^2/NDF : 25415469.9/98

- sign 0.002+/-0.000 χ^2/NDF : 15206511.5/50

yield_cav4cY_mean vs Slug



Right In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 36080113005.6/22$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.116 ± 0.000 $\chi^2/\text{NDF}: 49659143423.7/27$

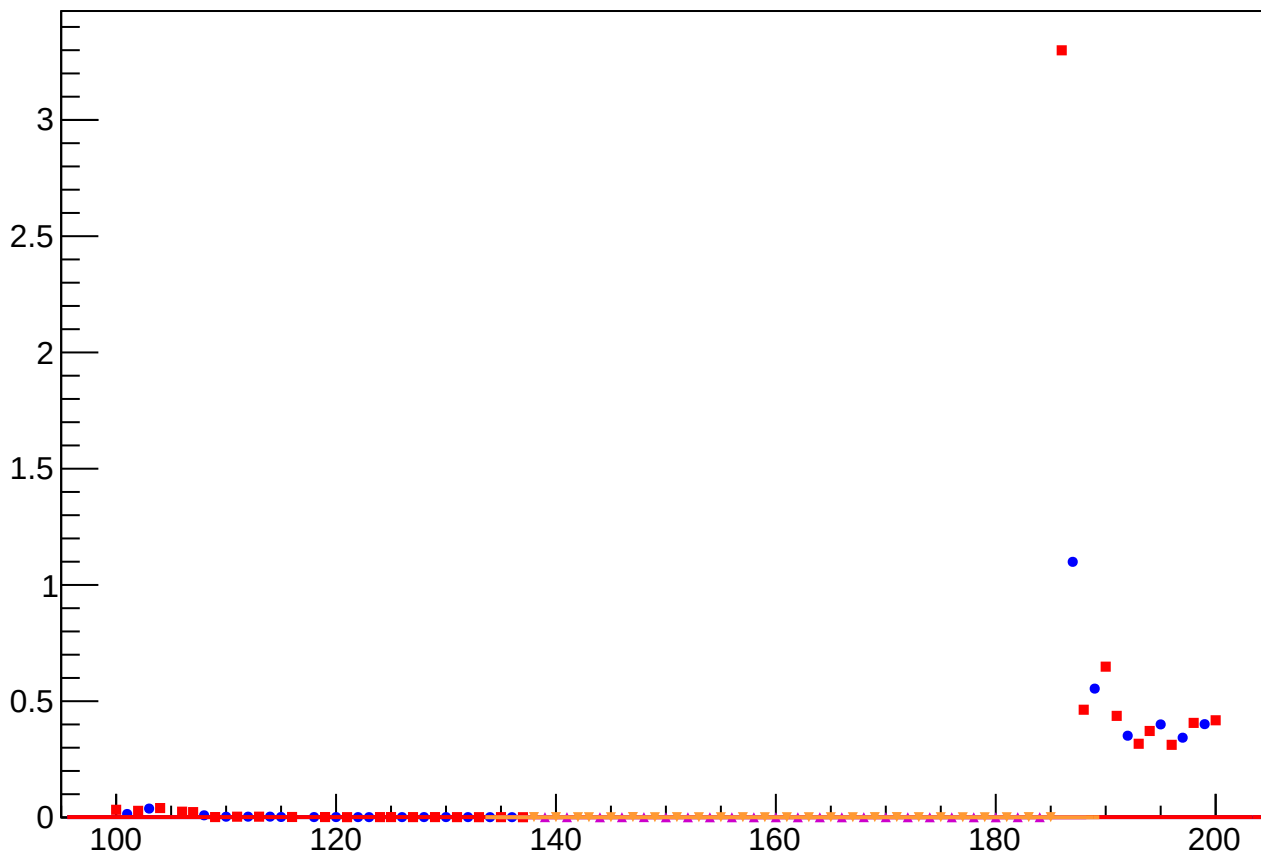
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.121 ± 0.000 $\chi^2/\text{NDF}: 36138597840.4/47$

All: -0.121 ± 0.000 $\chi^2/\text{NDF}: 85894498784.1/100$

- 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 : 10150353.7/22

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 14485812.0/27

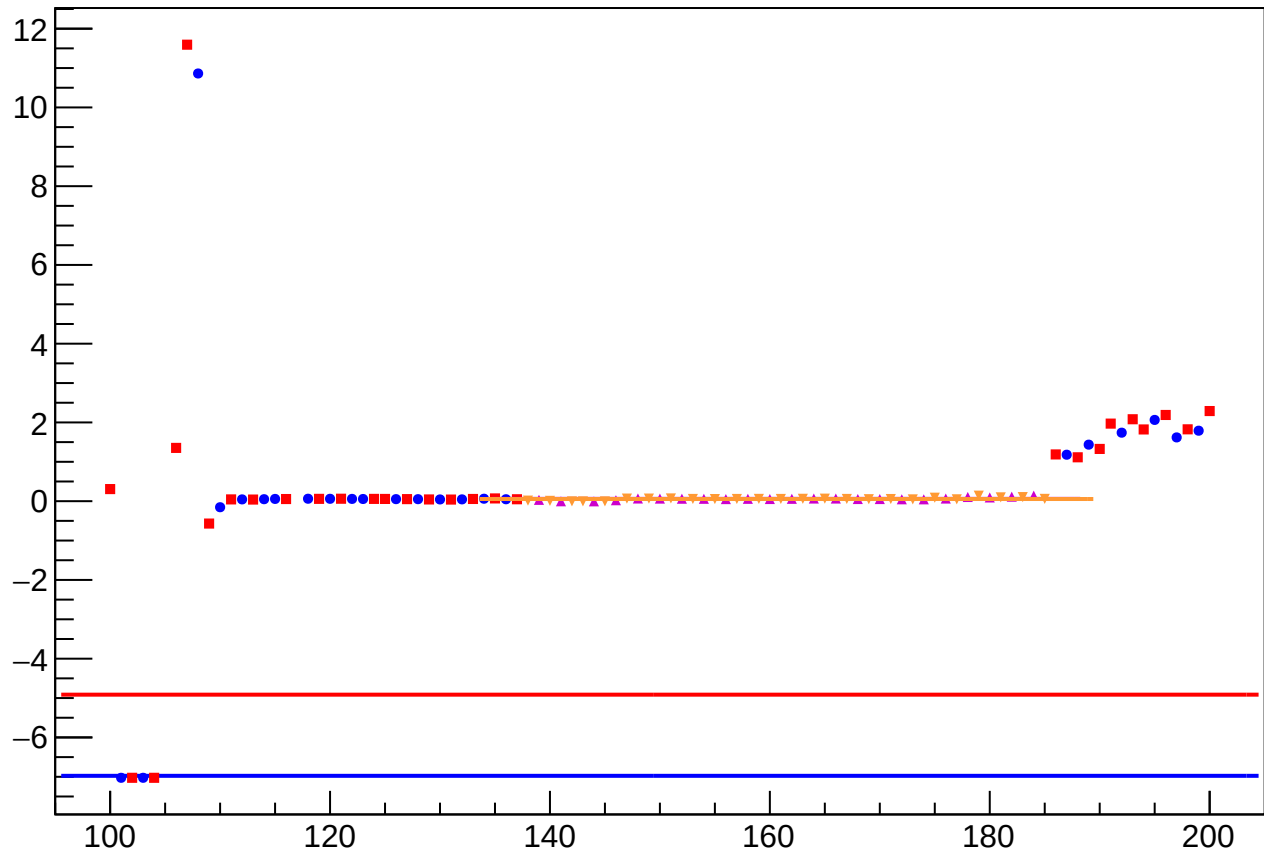
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 12688087.6/47

All: 0.001+/-0.000 χ^2/NDF : 29279365.9/98

- 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 : 8762578278365.0/22

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348658605721.0/27

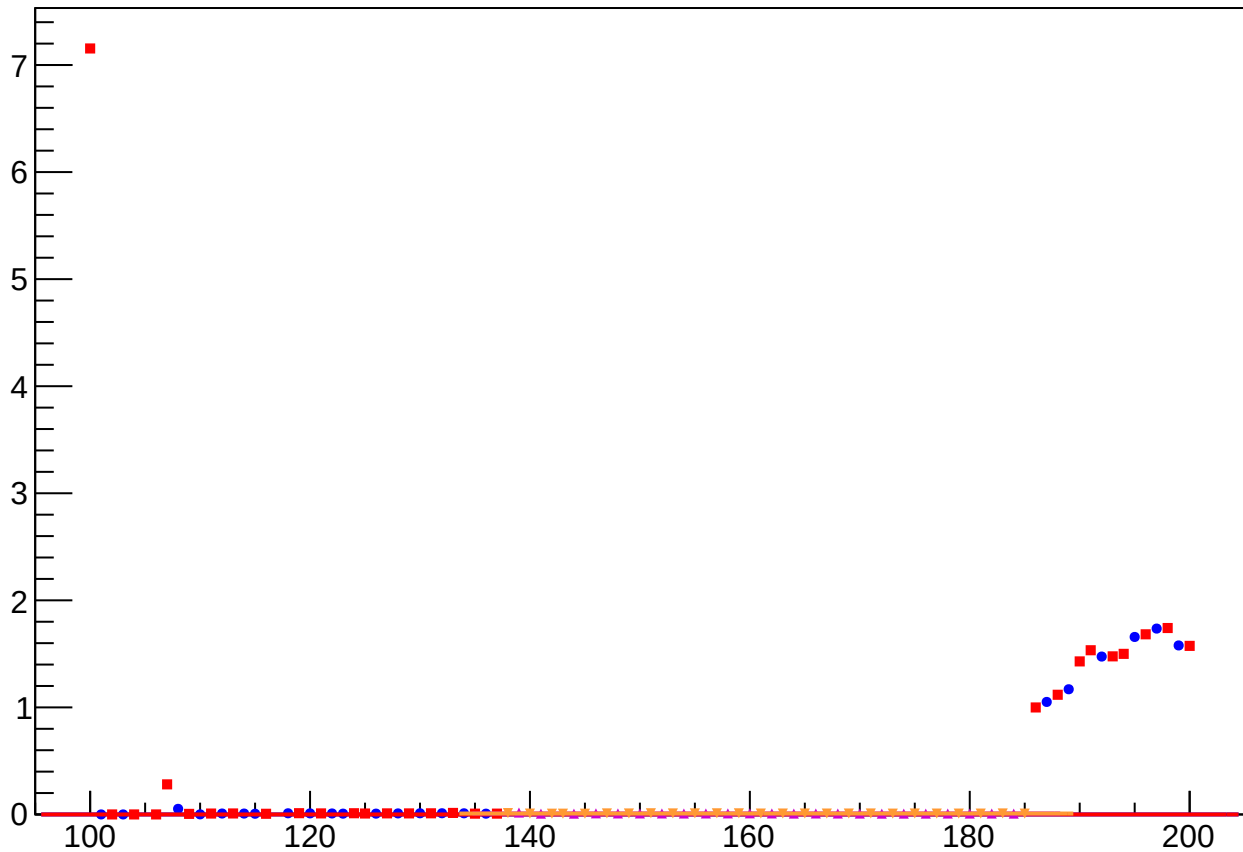
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417567418663.2/22

All: -5.858 ± 0.000 χ^2/NDF : 4435814194854.0/22

- sign -4.882 ± 0.000 χ^2/NDF : 369770949519401.9/22

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15912667.0/22

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20192737.8/27

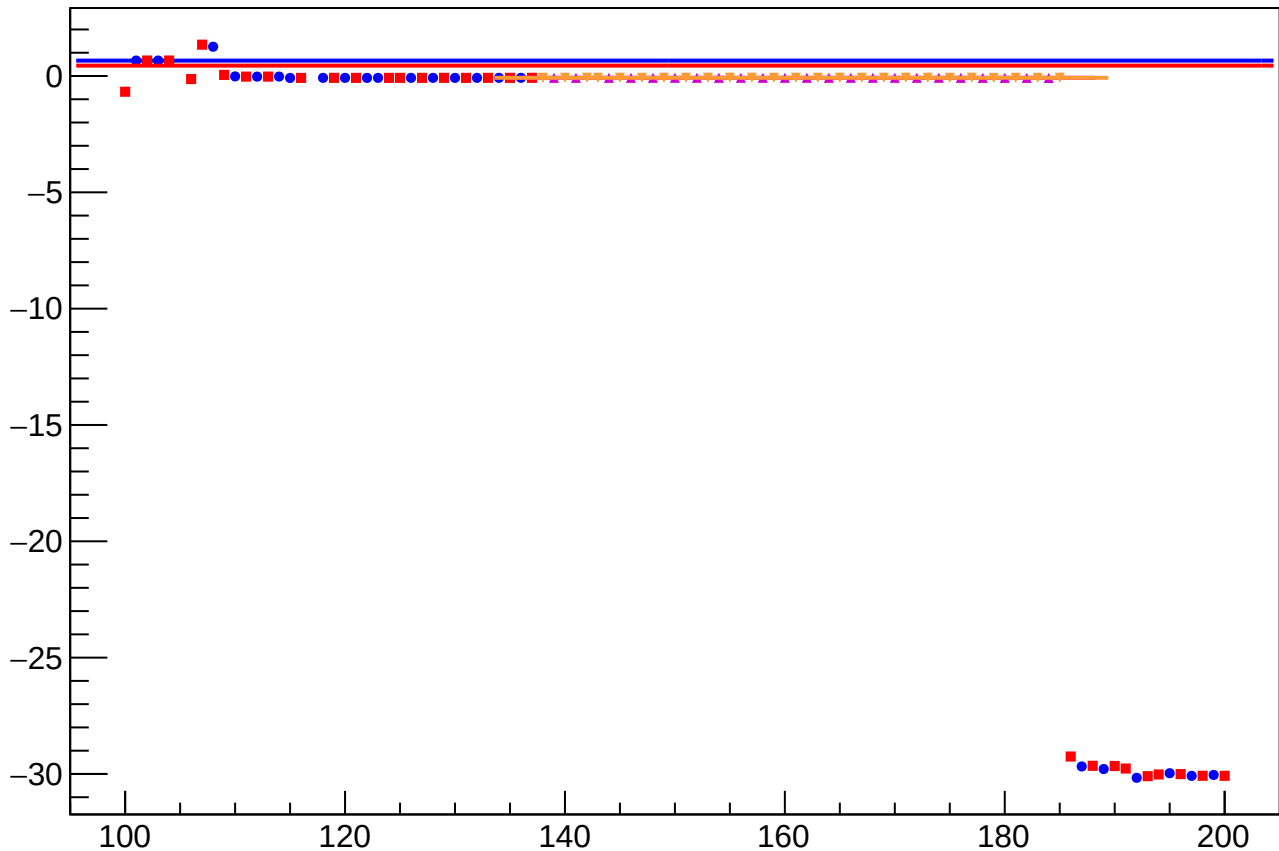
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 44900102.4/47

All: 0.000+/-0.000 χ^2/NDF : 92771046.9/98

- 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 : 5618028727560.1/22

Left Out: -0.078+/-0.000 χ^2/NDF : 156525648.0/24

Right Out: 0.446+/-0.000 χ^2/NDF : 405461320866089.2/27

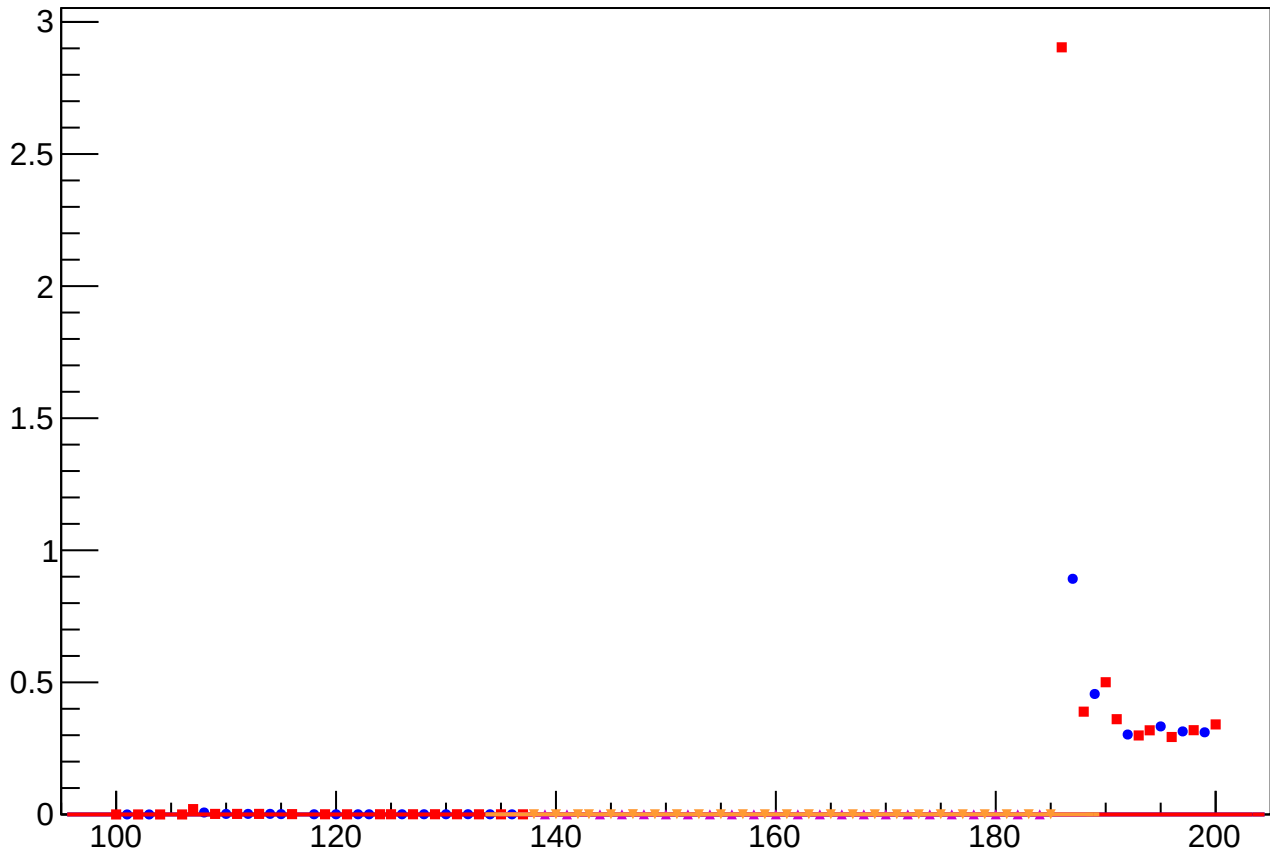
Left In: -0.077+/-0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646+/-0.000 χ^2/NDF : 35785509973503.1/4

All: 0.537+/-0.000 χ^2/NDF : 51605861883103

- sign 0.437+/-0.000 χ^2/NDF : 419692845874584.1/4

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 17388265.5/22

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20722085.1/27

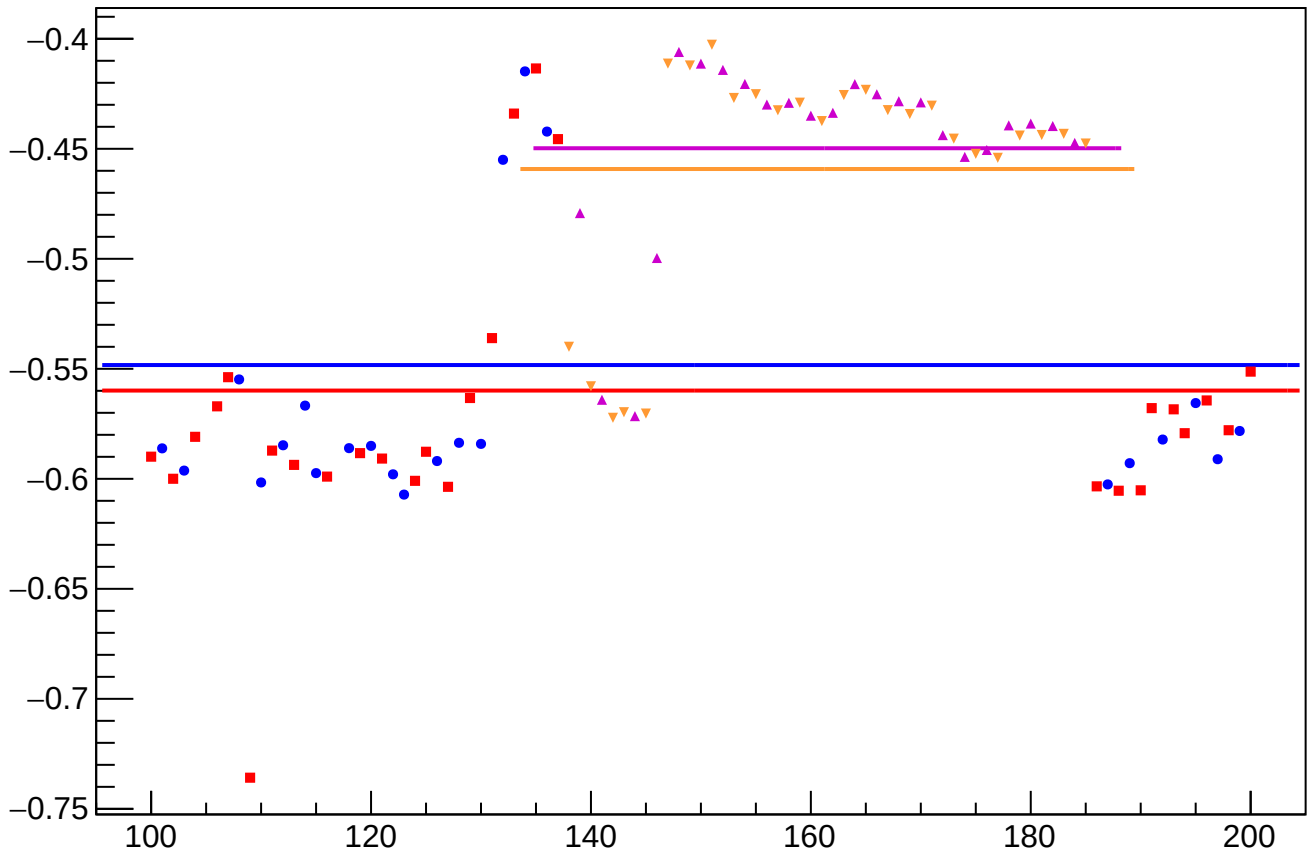
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 50037414.9/47

All: 0.000+/-0.000 χ^2/NDF : 101803234.1/98

- sign 0.000+/-0.000 χ^2/NDF : 51758682.0/50

yield_bpm4aX_mean vs Slug



Right In: -0.548 $\pm$ 0.000 χ^2 /NDF: 47586224.4/22

Left Out: -0.459 $\pm$ 0.000 χ^2 /NDF: 113808762.6/24

Right Out: -0.560 $\pm$ 0.000 χ^2 /NDF: 65297179.9/27

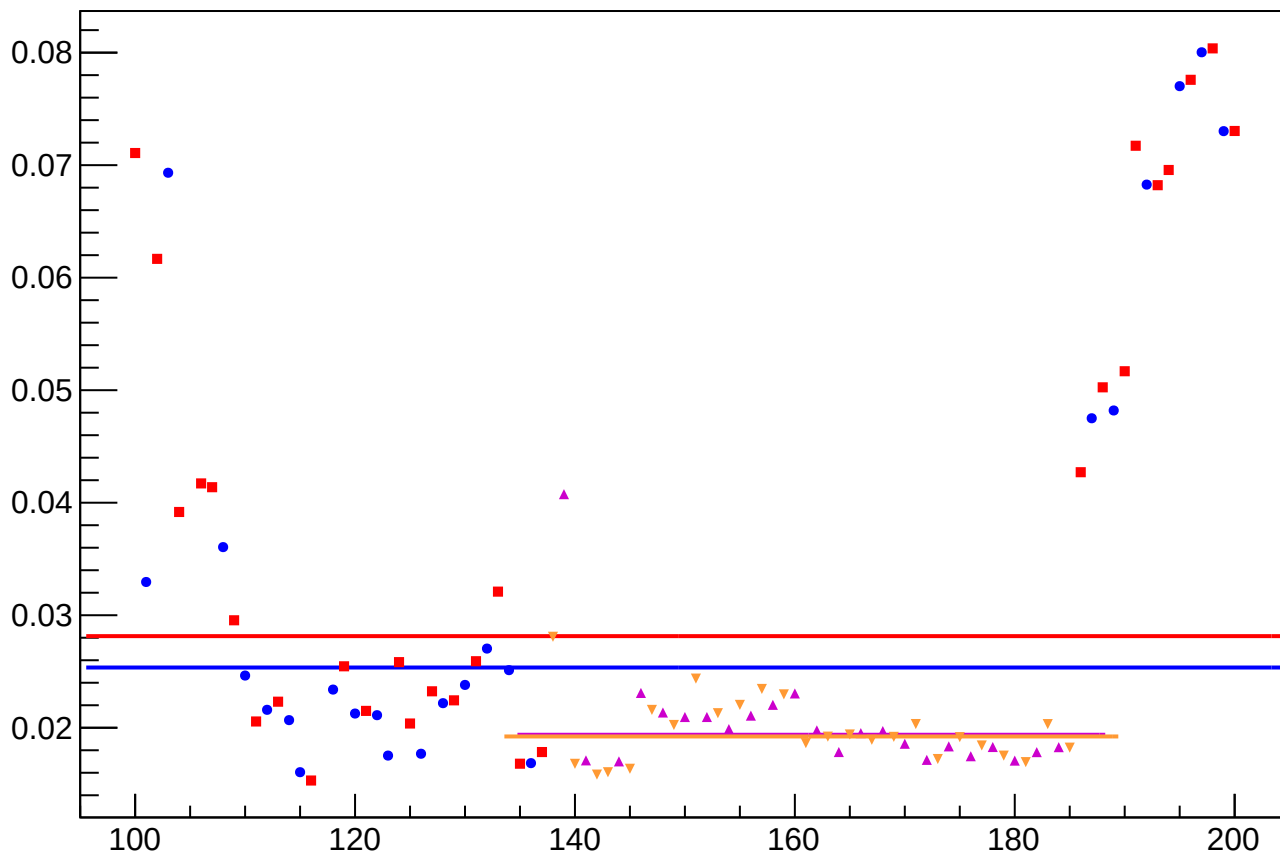
Left In: -0.450 $\pm$ 0.000 χ^2 /NDF: 76151485.7/22

+ sign -0.479 $\pm$ 0.000 χ^2 /NDF: 231040488.9/47

All: -0.477 $\pm$ 0.000 χ^2 /NDF: 477732508.6/98

- sign -0.475 $\pm$ 0.000 χ^2 /NDF: 246404862.6/50

yield_bpm4aX_rms vs Slug



Right In: 0.025 ± 0.000 χ^2/NDF : 4281274.3/22

Left Out: 0.019 ± 0.000 χ^2/NDF : 501253.7/24

Right Out: 0.028 ± 0.000 χ^2/NDF : 5357618.7/27

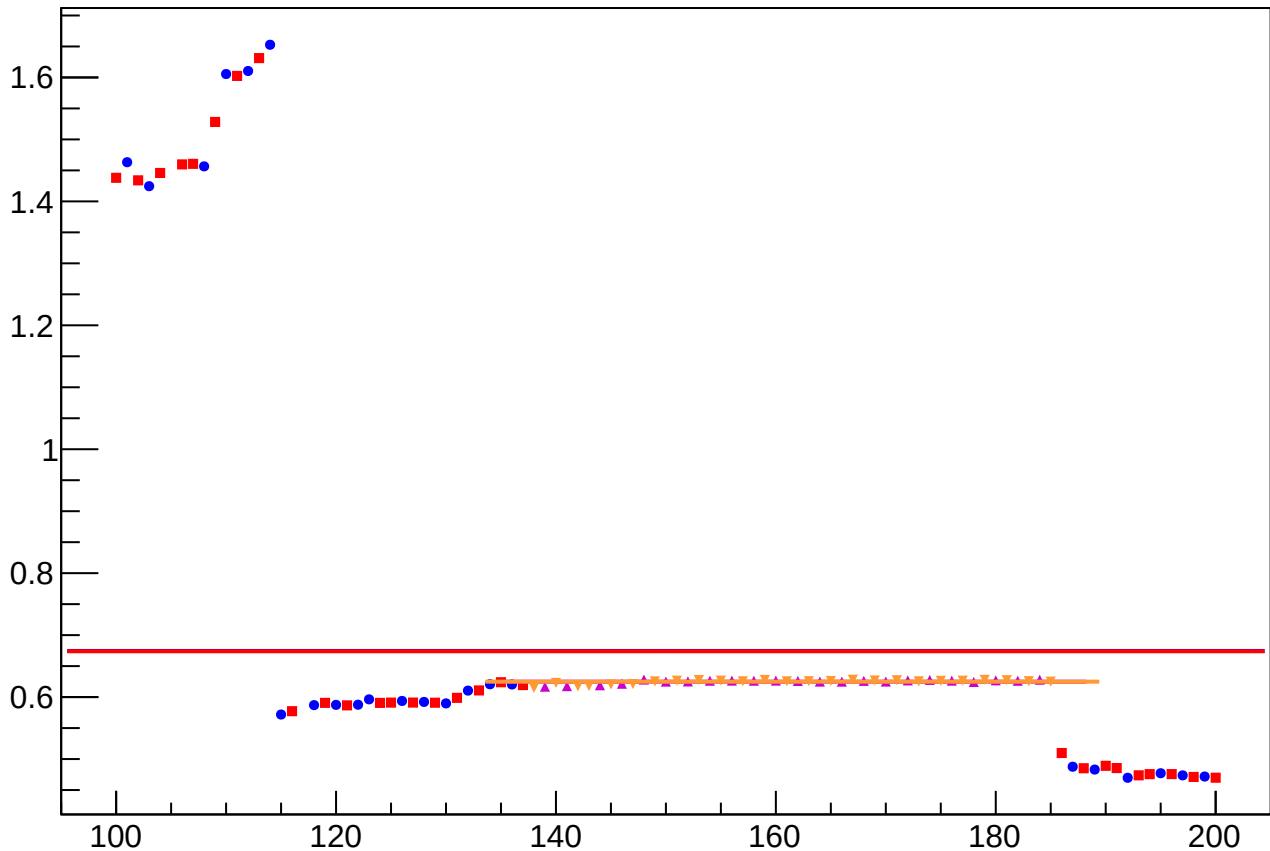
Left In: 0.019 ± 0.000 χ^2/NDF : 656155.9/22

+ sign 0.021 ± 0.000 χ^2/NDF : 5441482.5/47

All: 0.021 ± 0.000 χ^2/NDF : 12820418.0/98

- sign 0.021 ± 0.000 χ^2/NDF : 7343384.2/50

yield_bpm4aY_mean vs Slug



Right In: 0.674 $\pm$ 0.000 χ^2 /NDF: 4605362305.8/22

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.674 $\pm$ 0.000 χ^2 /NDF: 5753559449.5/27

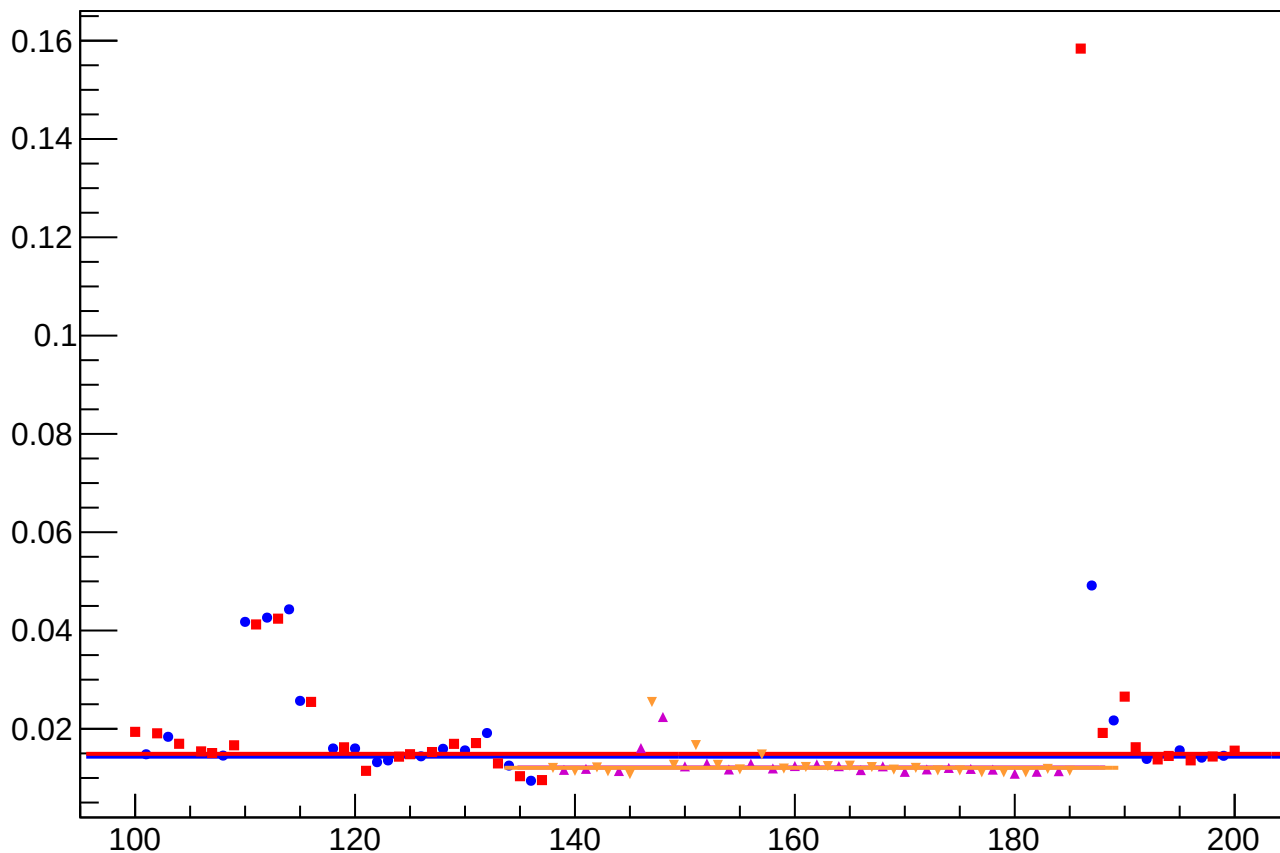
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.638 $\pm$ 0.000 χ^2 /NDF: 4687197948.3/47

All: 0.639 $\pm$ 0.000 χ^2 /NDF: 10526437111.1/50

- sign 0.640 $\pm$ 0.000 χ^2 /NDF: 5839033063.2/50

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1639772.1/22

Left Out: 0.012+/-0.000 χ^2/NDF : 657433.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2072027.0/27

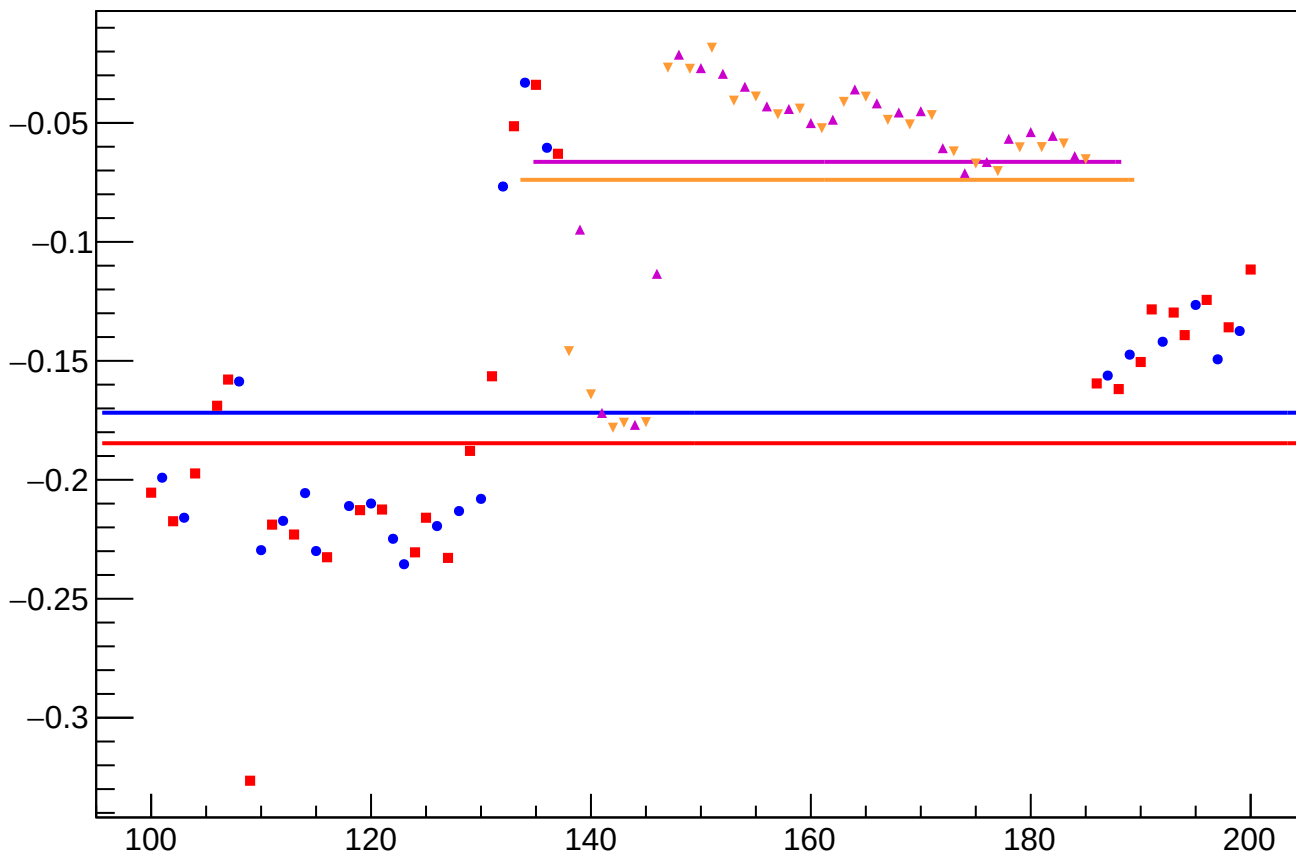
Left In: 0.012+/-0.000 χ^2/NDF : 488249.4/22

+ sign 0.013+/-0.000 χ^2/NDF : 2633456.5/47

All: 0.013+/-0.000 χ^2/NDF : 5746792.5/98

- sign 0.013+/-0.000 χ^2/NDF : 3098484.4/50

yield_bpm4eX_mean vs Slug



Right In: -0.172+/-0.000 χ^2/NDF : 67737193.5/22

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.185+/-0.000 χ^2/NDF : 84831379.9/27

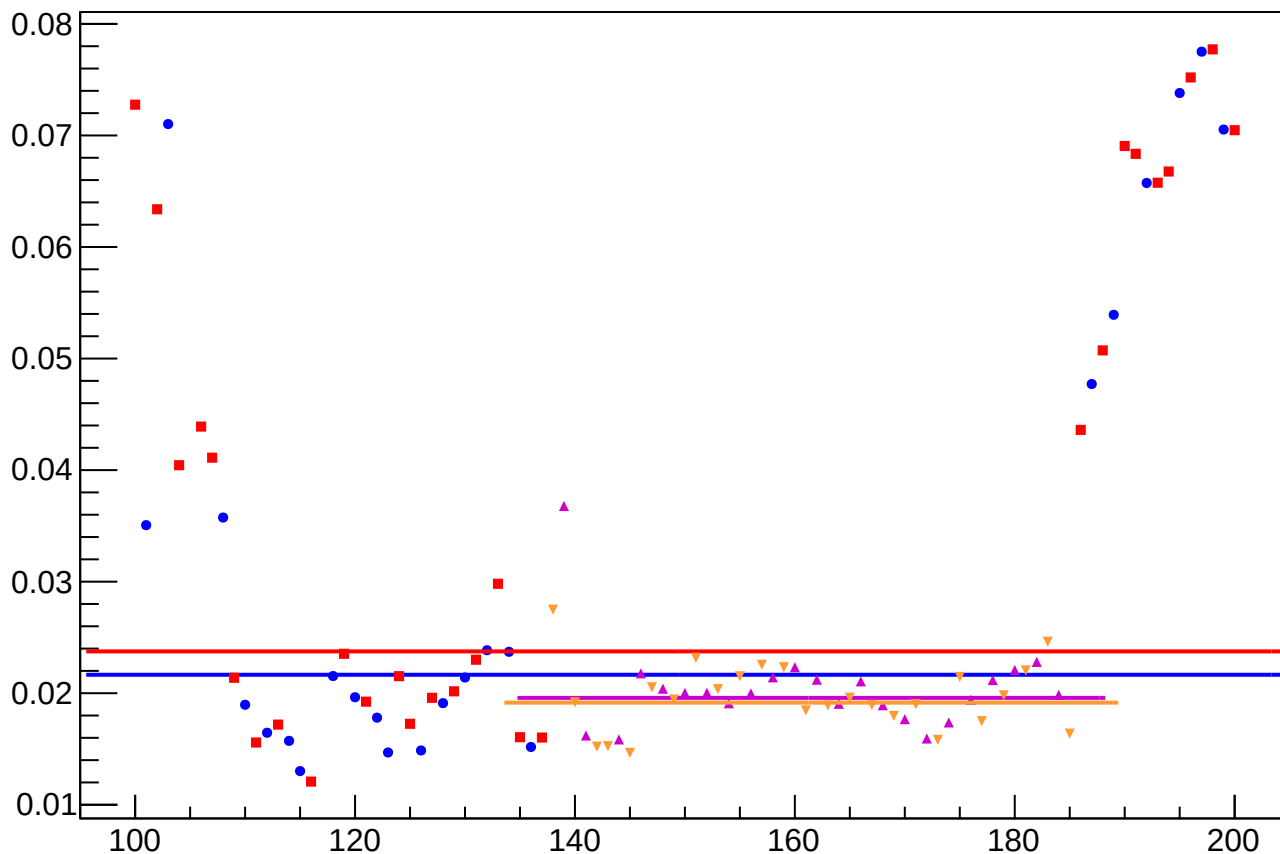
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.100+/-0.000 χ^2/NDF : 279347388.5/47

All: -0.100+/-0.000 χ^2/NDF : 588986945.6/98

- 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: 4999021.4/22

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

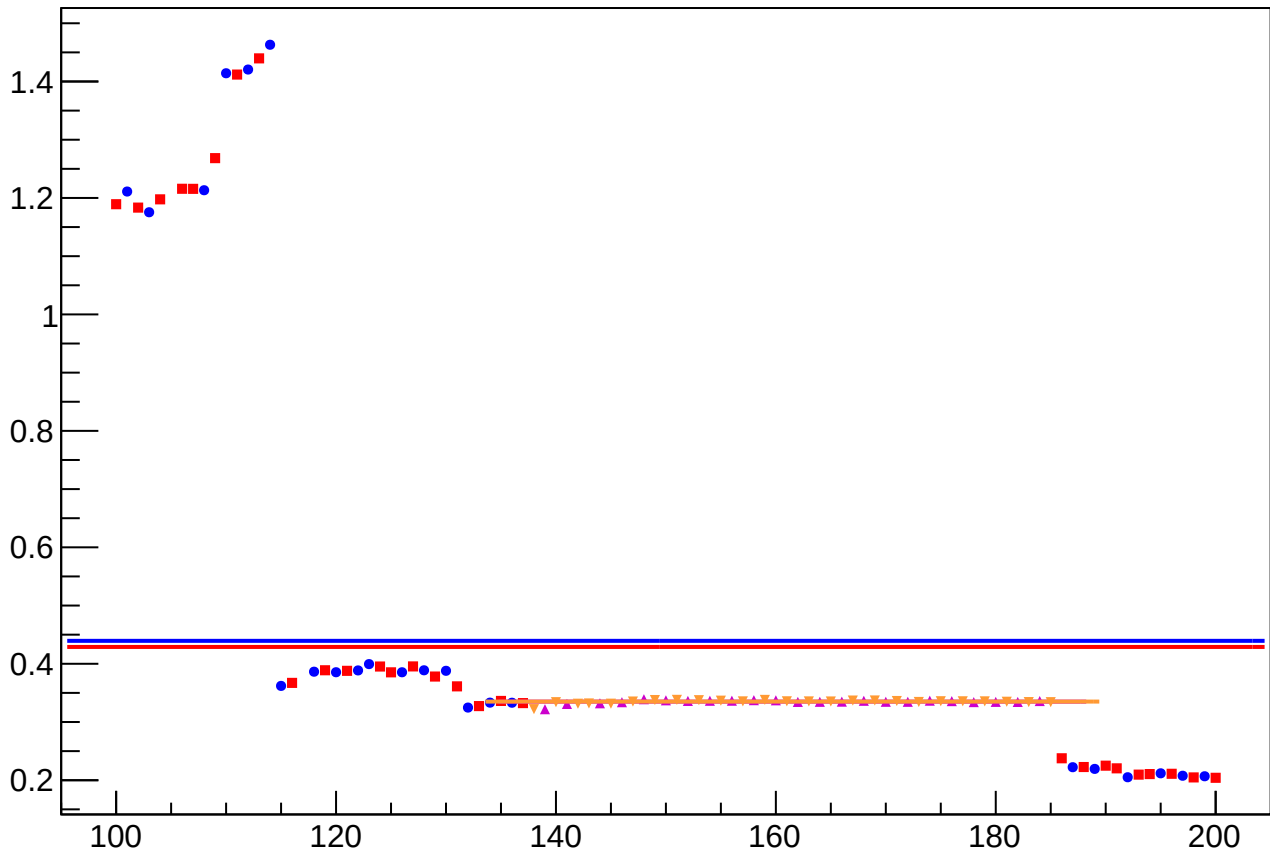
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 651328.7/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5775250.3/47

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 13365028.0/98

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7540960.4/50

yield_bpm4eY_mean vs Slug



Right In: 0.439+/-0.000 χ^2/NDF : 6745304397.0/22

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.429+/-0.000 χ^2/NDF : 8096430391.6/27

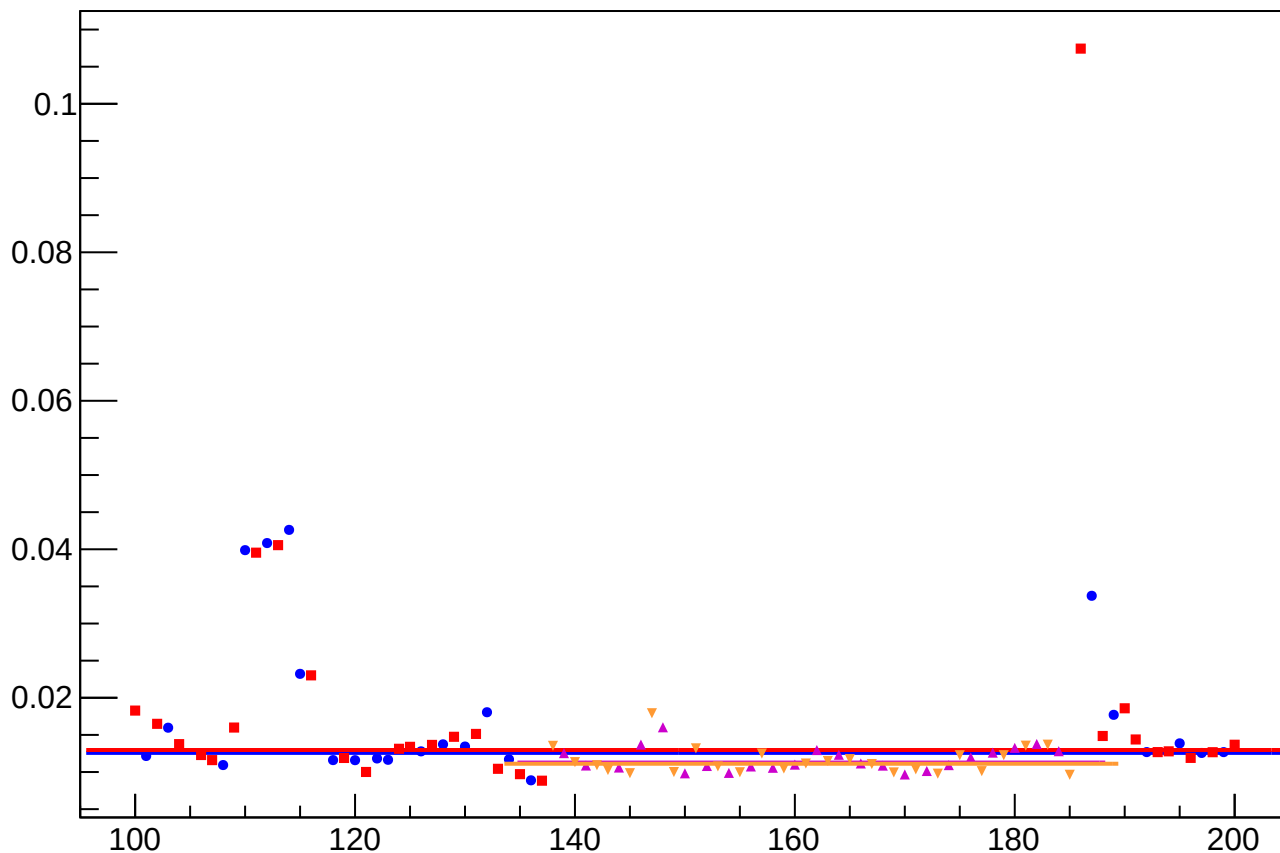
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.366+/-0.000 χ^2/NDF : 7197185334.5/47

All: 0.366+/-0.000 χ^2/NDF : 15683594512.6/9

- 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: 1508891.1/22

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

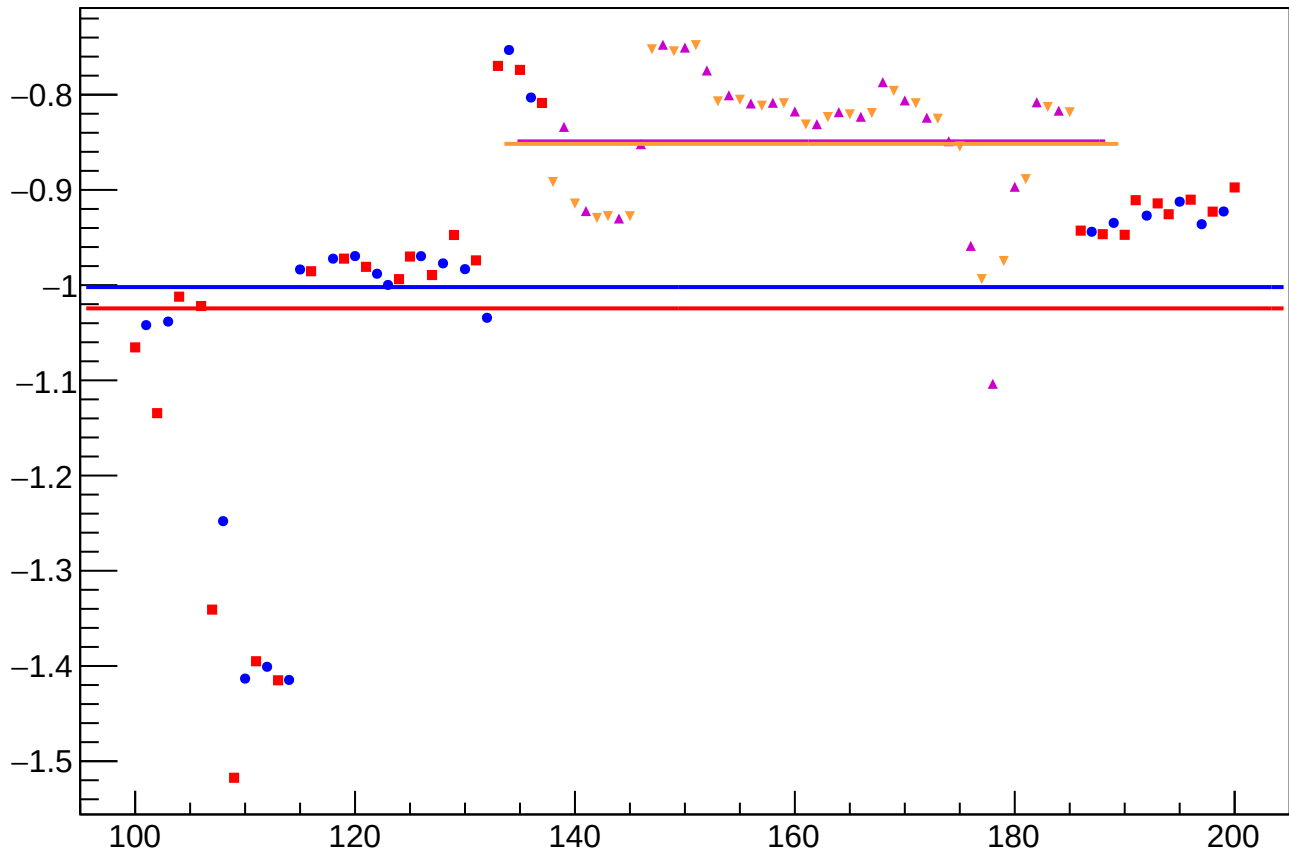
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2294433.4/47

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4999932.4/98

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2687590.1/50

yield_bpm4acX_mean vs Slug



Right In: -1.002 ± 0.000 χ^2/NDF : 398429052.8/22

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.024 ± 0.000 χ^2/NDF : 550920508.7/27

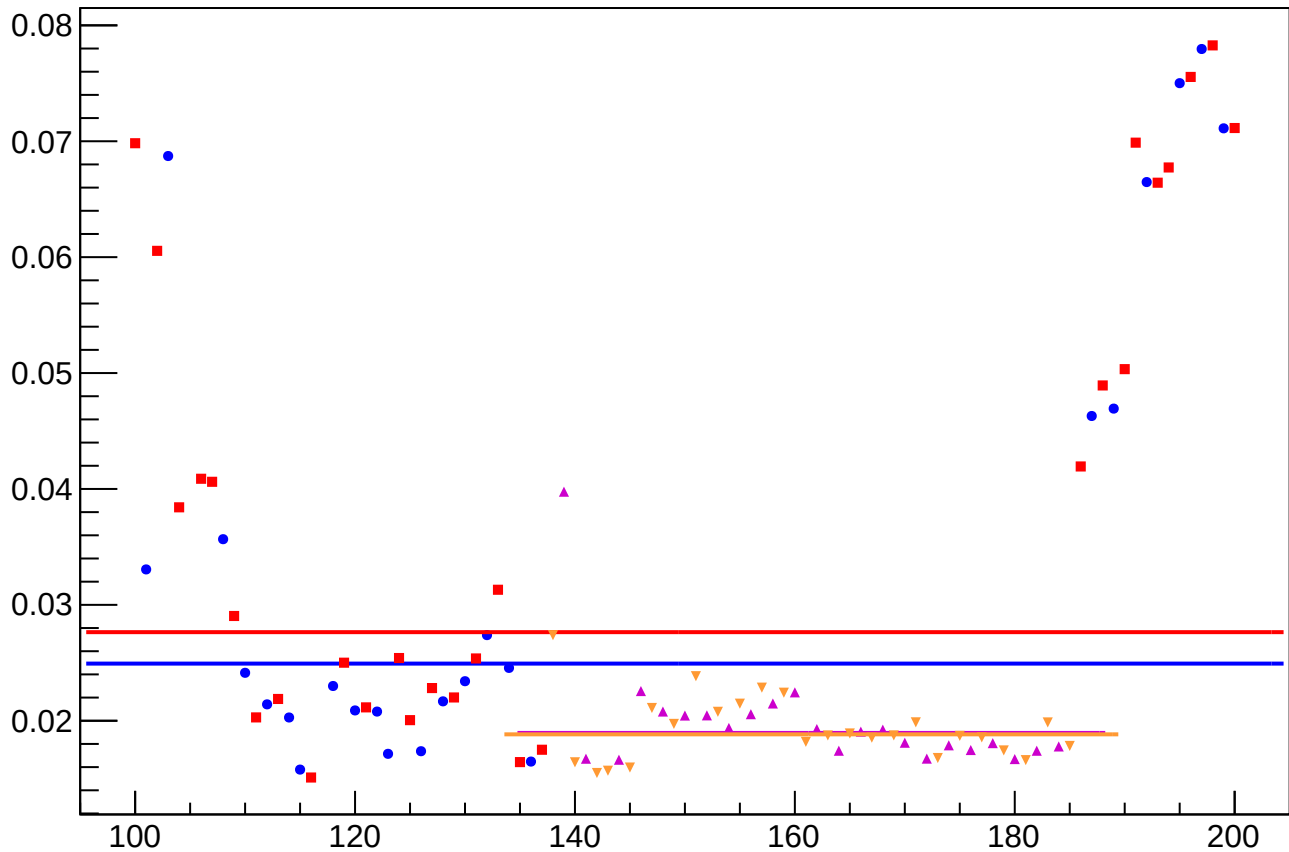
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884 ± 0.000 χ^2/NDF : 793467867.4/47

All: -0.887 ± 0.000 χ^2/NDF : 1878133809.5/9

- sign -0.889 ± 0.000 χ^2/NDF : 1083987840.4/50

yield_bpm4acX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 4274210.1/22

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

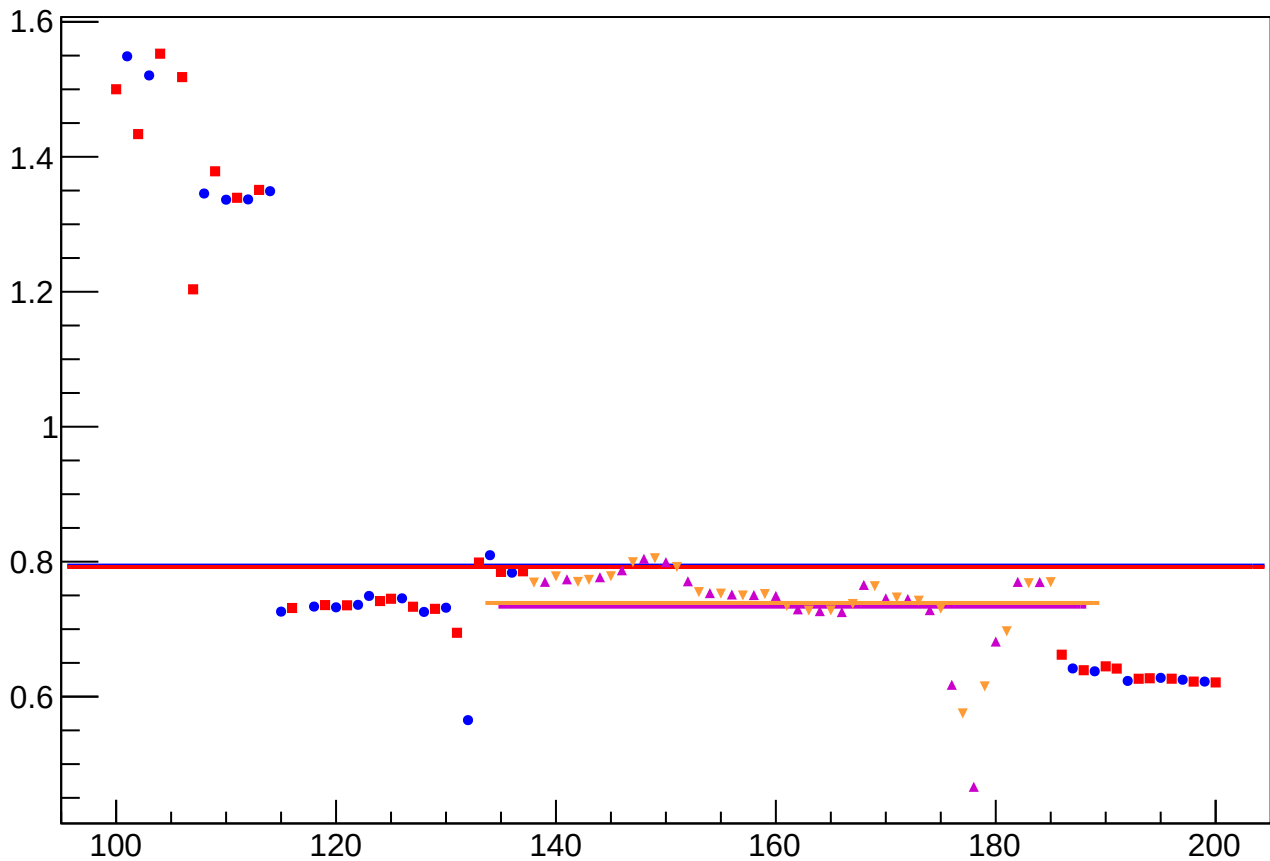
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 645048.1/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5441940.8/47

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 12791238.0/98

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7316226.7/50

yield_bpm4acY_mean vs Slug



Right In: 0.794 $\pm$ 0.000 χ^2 /NDF: 3146246558.9/22

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

+ sign 0.754 $\pm$ 0.000 χ^2 /NDF: 3577984585.9/47

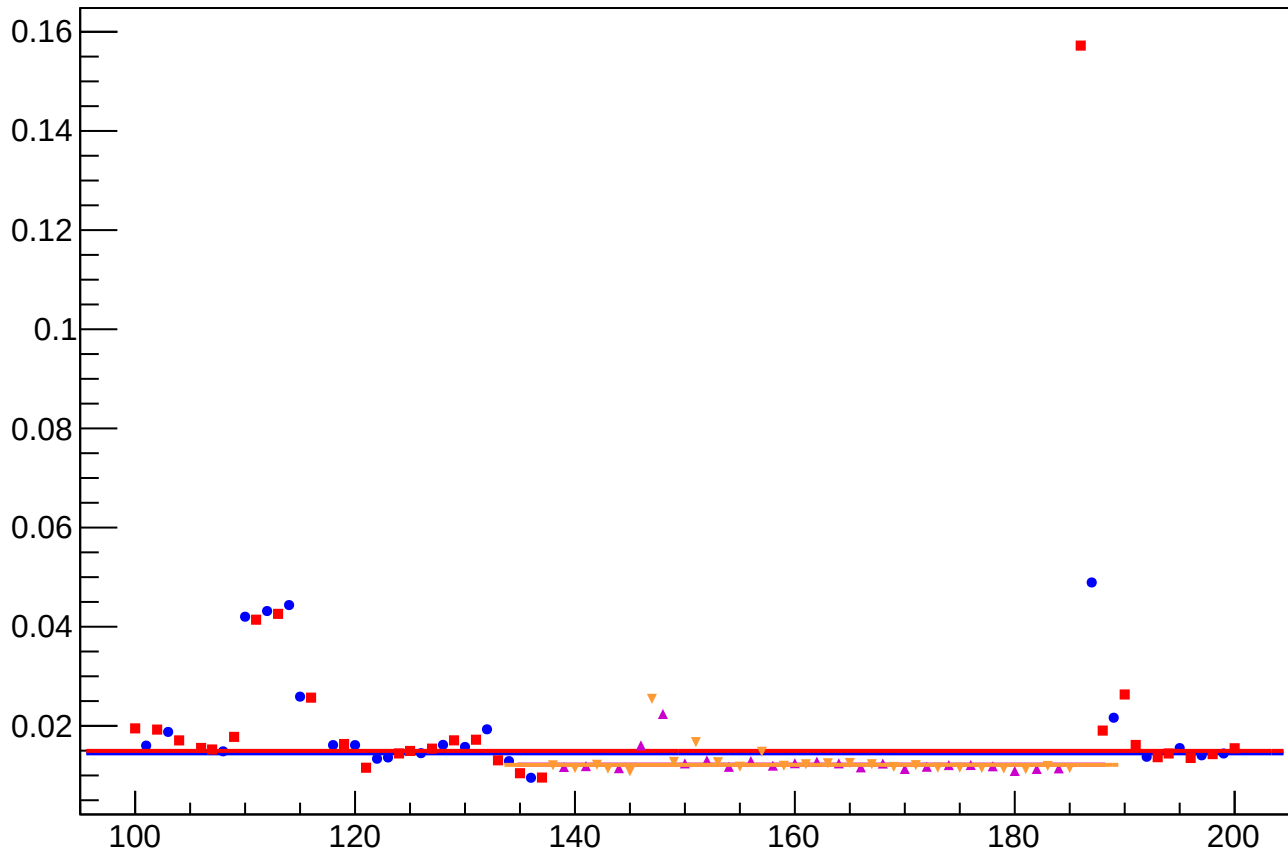
Right Out: 0.792 $\pm$ 0.000 χ^2 /NDF: 3554401602.6/27

All: 0.753 $\pm$ 0.000 χ^2 /NDF: 7822794383.2/98

- sign 0.751 $\pm$ 0.000 χ^2 /NDF: 4244352121.7/50

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1640987.3/22

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

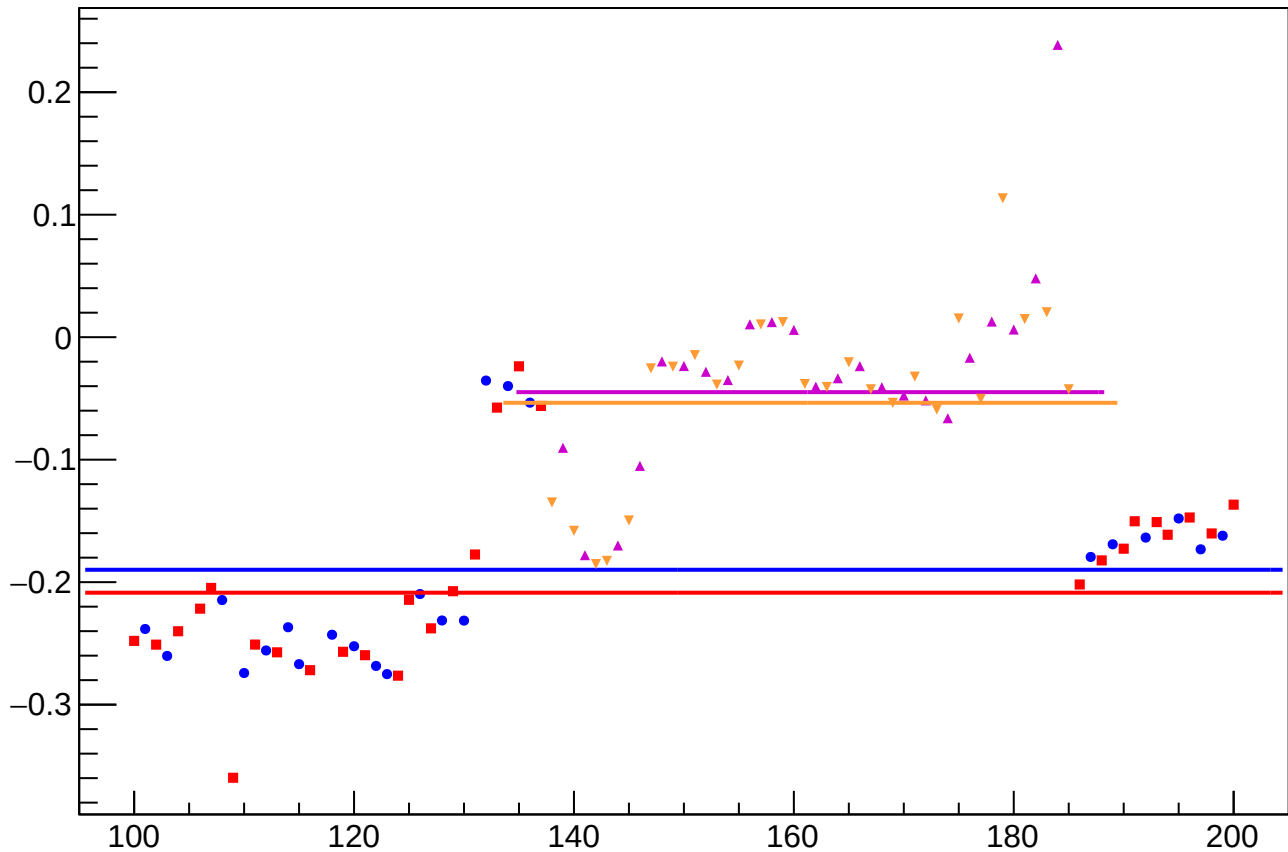
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2624907.6/47

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5724616.0/98

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3087514.0/50

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 χ^2/NDF : 106612354.4/22

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.209 ± 0.000 χ^2/NDF : 112959990.3/27

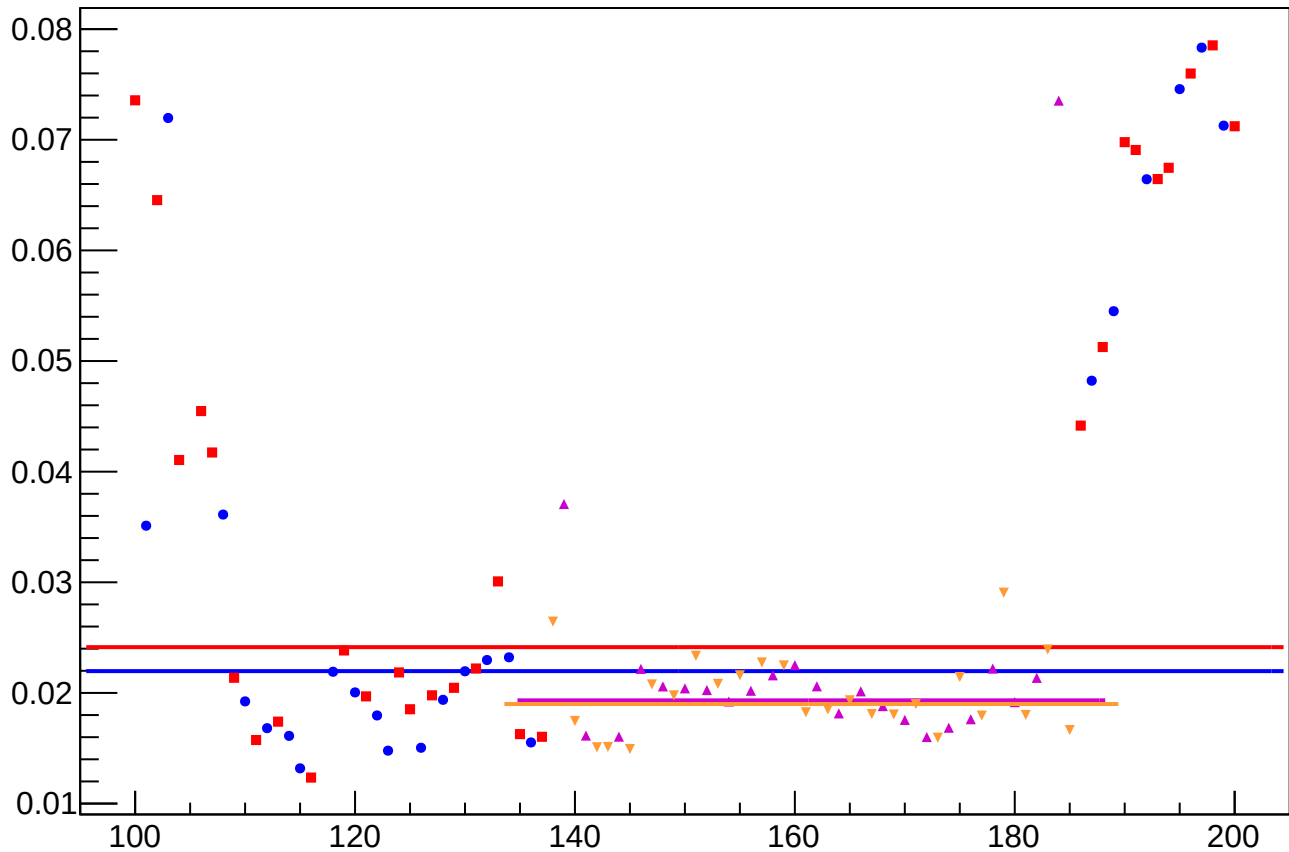
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.089 ± 0.000 χ^2/NDF : 470842667.5/47

All: -0.090 ± 0.000 χ^2/NDF : 989153992.9/98

- sign -0.090 ± 0.000 χ^2/NDF : 518267307.5/50

yield_bpm4ecX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 4957280.4/22

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

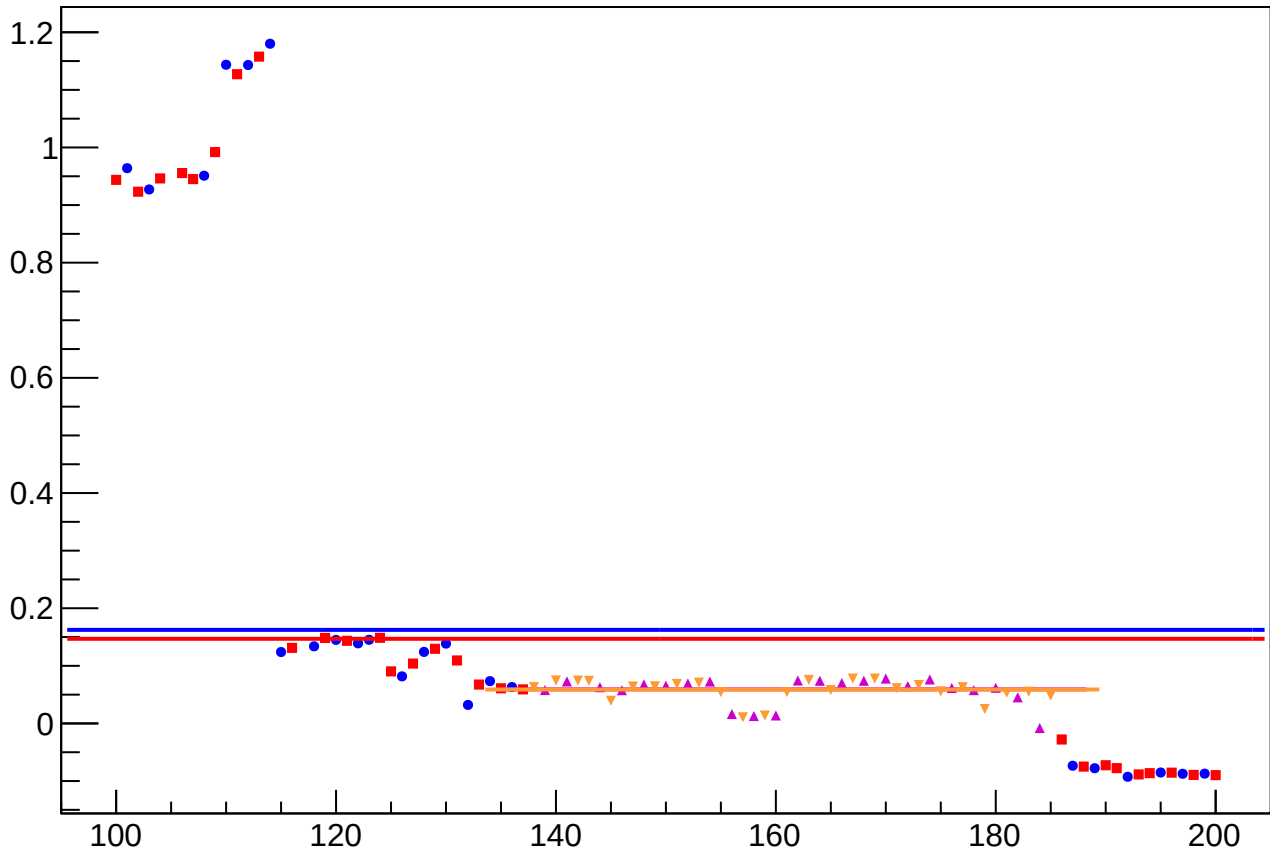
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 892810.7/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5843584.3/47

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 13742449.1/98

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7856262.9/50

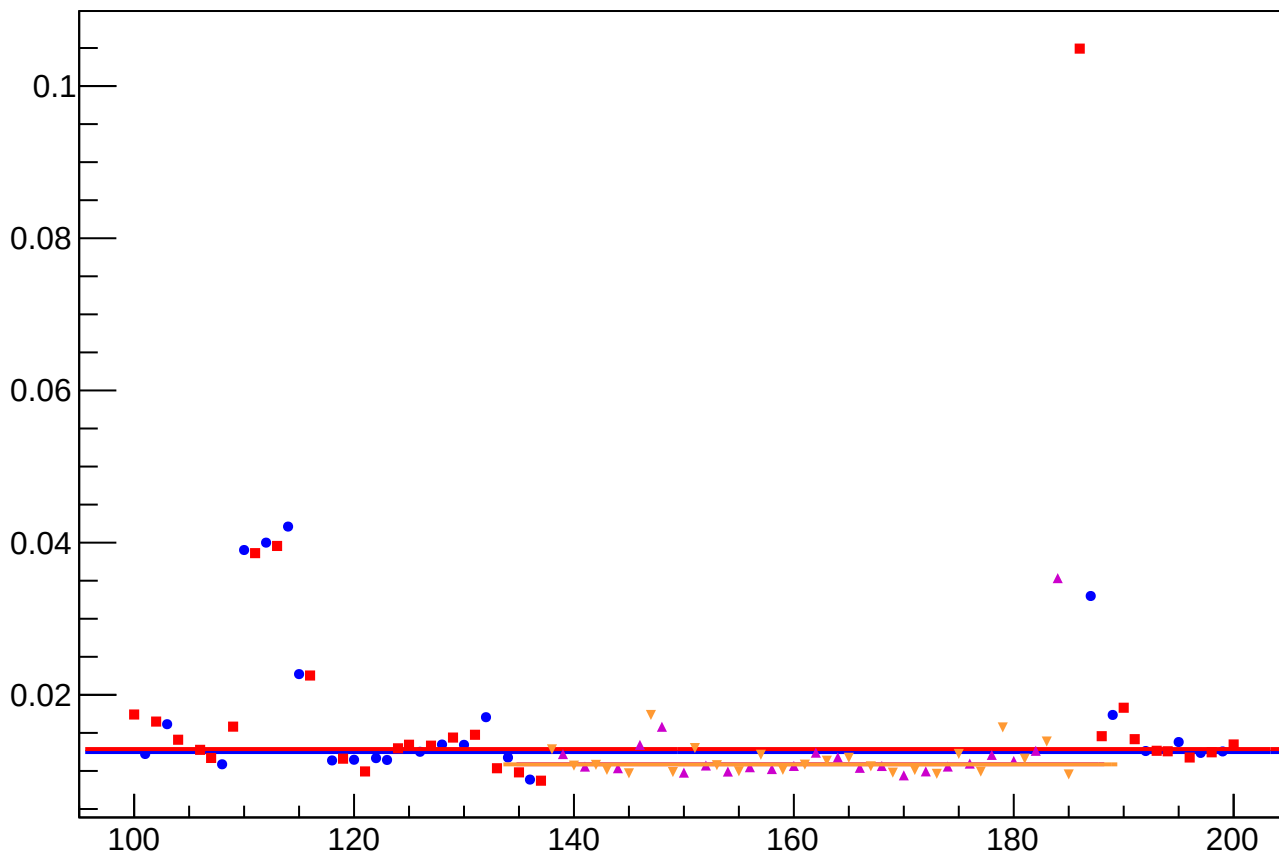
yield_bpm4ecY_mean vs Slug



Right In: 0.162 $\pm$ 0.000 χ^2 /NDF: 7225148107.1/22
 Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24
 Right Out: 0.147 $\pm$ 0.000 χ^2 /NDF: 8502412858.4/27
 Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.089 $\pm$ 0.000 χ^2 /NDF: 7723891658.4/47
 All: 0.089 $\pm$ 0.000 χ^2 /NDF: 16633371412.1/50
 - sign 0.088 $\pm$ 0.000 χ^2 /NDF: 8909380968.4/50

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1475984.5/22

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1891135.1/27

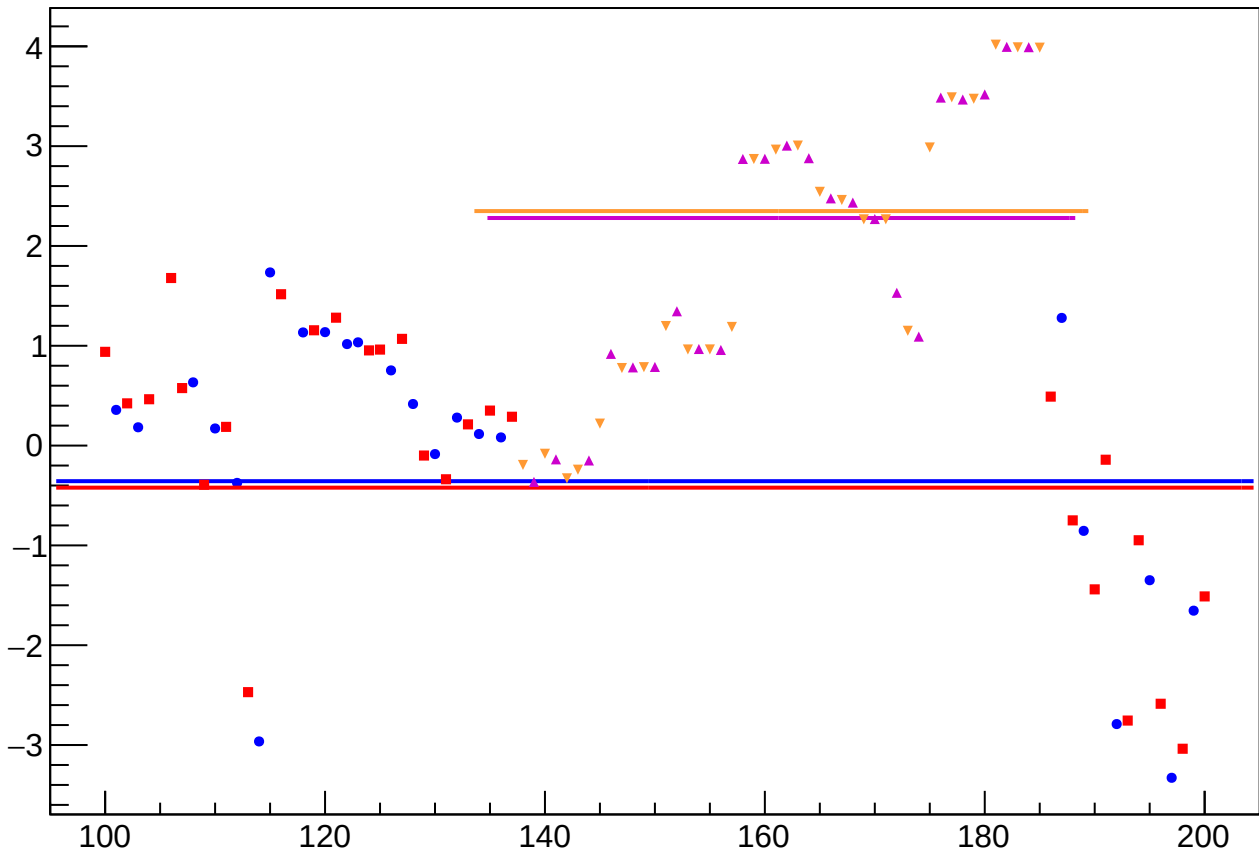
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 529867.3/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 2302345.8/47

All: 0.011 $\pm$ 0.000 χ^2/NDF : 5087694.8/98

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 2776438.5/50

yield_bpm1X_mean vs Slug



Right In: -0.357 ± 0.000 $\chi^2/\text{NDF}: 4383971815.2/22$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.421 ± 0.000 $\chi^2/\text{NDF}: 5554030692.3/27$

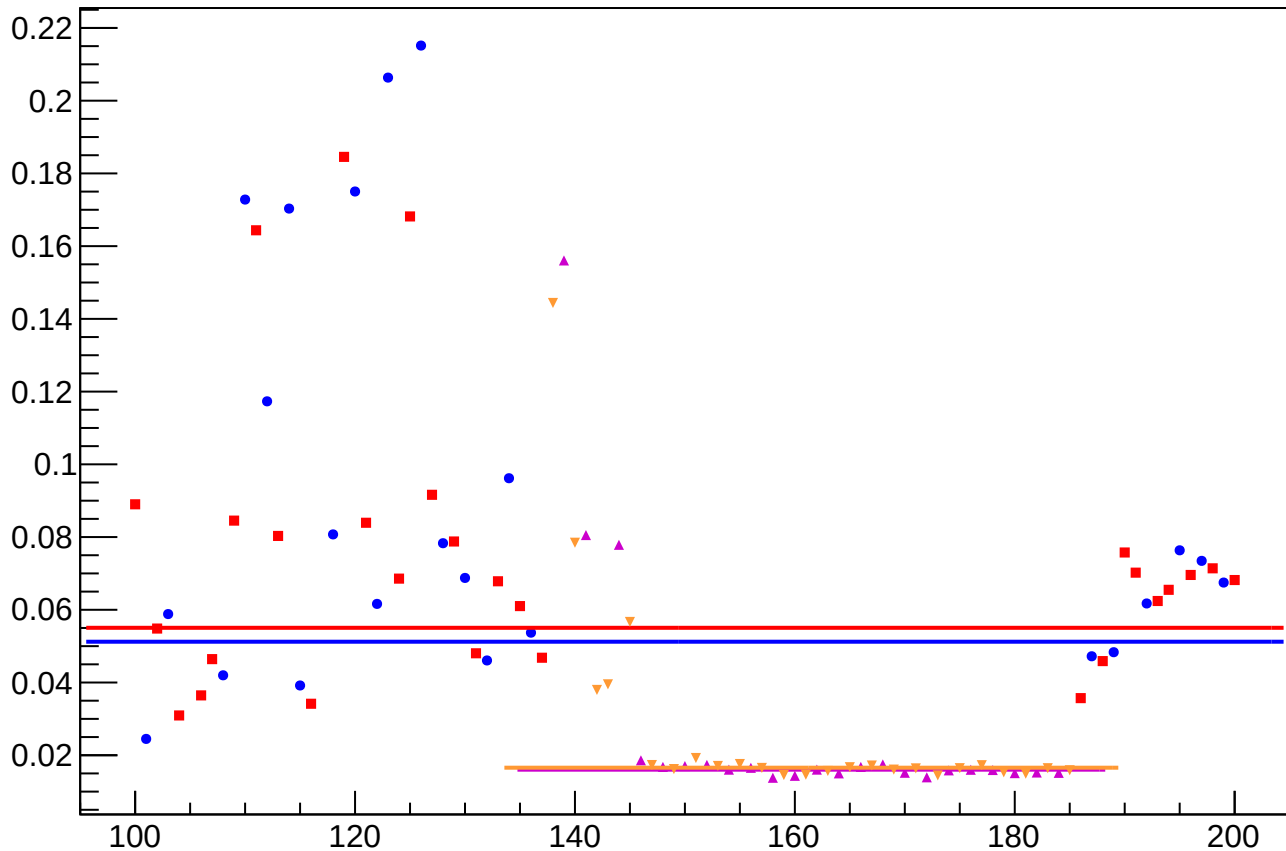
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.216 ± 0.000 $\chi^2/\text{NDF}: 86431433843.1/47$

All: 2.172 ± 0.000 $\chi^2/\text{NDF}: 174919188543.7$

- sign 2.129 ± 0.000 $\chi^2/\text{NDF}: 88281715920.8/50$

yield_bpm1X_rms vs Slug



Right In: 0.051+/-0.000 χ^2/NDF : 3369371.1/22

Left Out: 0.017+/-0.000 χ^2/NDF : 2623615.6/24

Right Out: 0.055+/-0.000 χ^2/NDF : 2794764.2/27

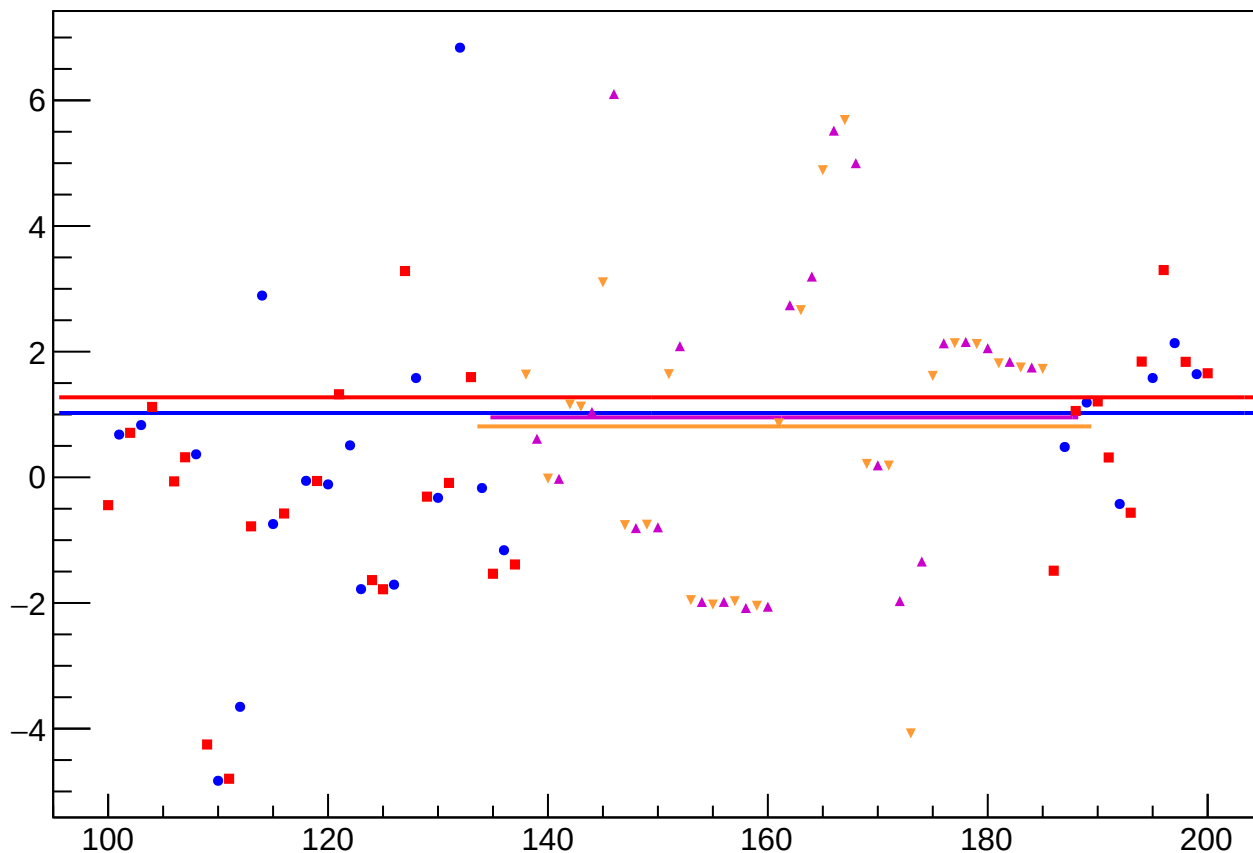
Left In: 0.016+/-0.000 χ^2/NDF : 2463853.3/22

+ sign 0.018+/-0.000 χ^2/NDF : 12040252.5/47

All: 0.018+/-0.000 χ^2/NDF : 26178219.5/98

- sign 0.018+/-0.000 χ^2/NDF : 14137674.0/50

yield_bpm1Y_mean vs Slug



Right In: 1.024 $\pm$ 0.000 χ^2 /NDF: 19443621255.5/22

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

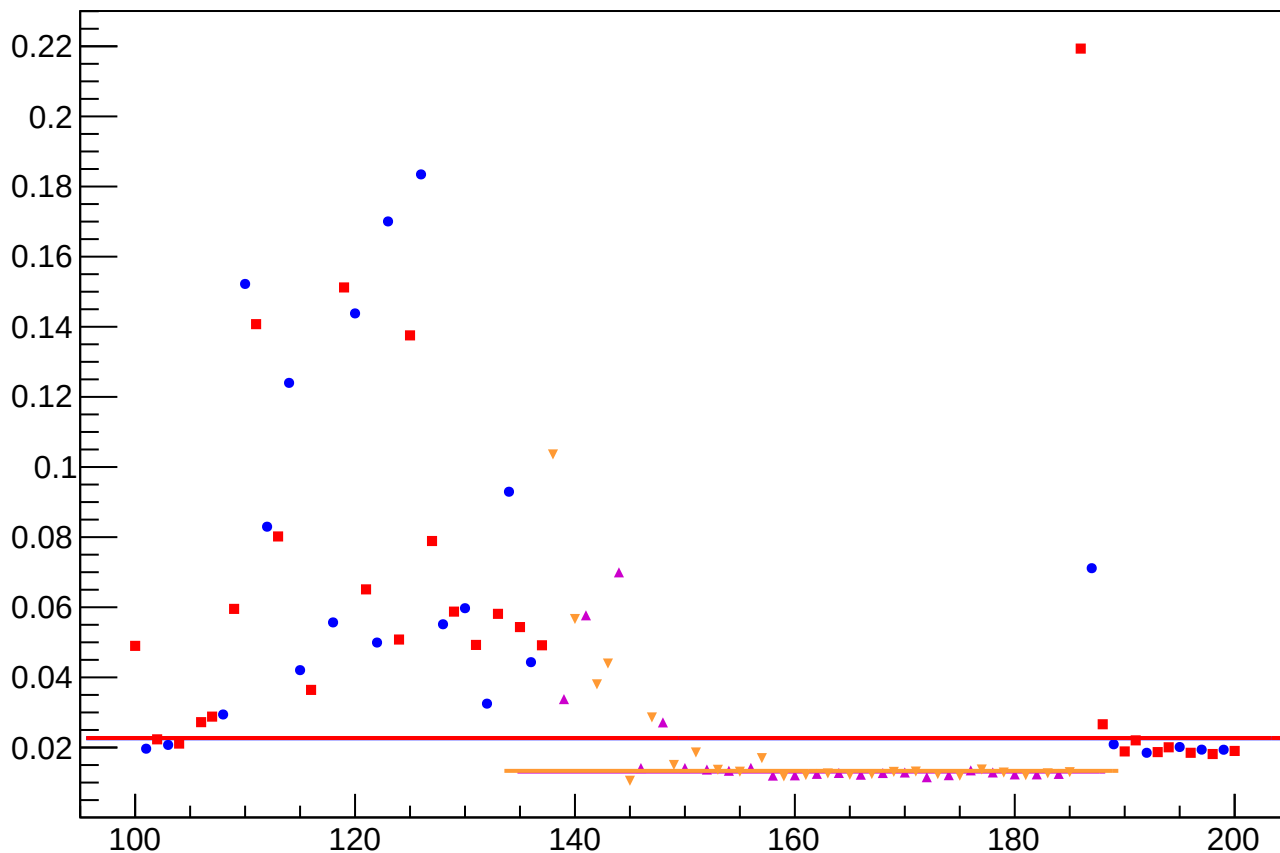
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 0.838 $\pm$ 0.000 χ^2 /NDF: 527526432009.7/47

All: 0.922 $\pm$ 0.000 χ^2 /NDF: 1128887894134.

- sign 1.004 $\pm$ 0.000 χ^2 /NDF: 599994286699.2/50

yield_bpm1Y_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 3634927.1/22

Left Out: 0.013+/-0.000 χ^2/NDF :2829070.5/24

Right Out: 0.023+/-0.000 χ^2/NDF : 4758452.4/27

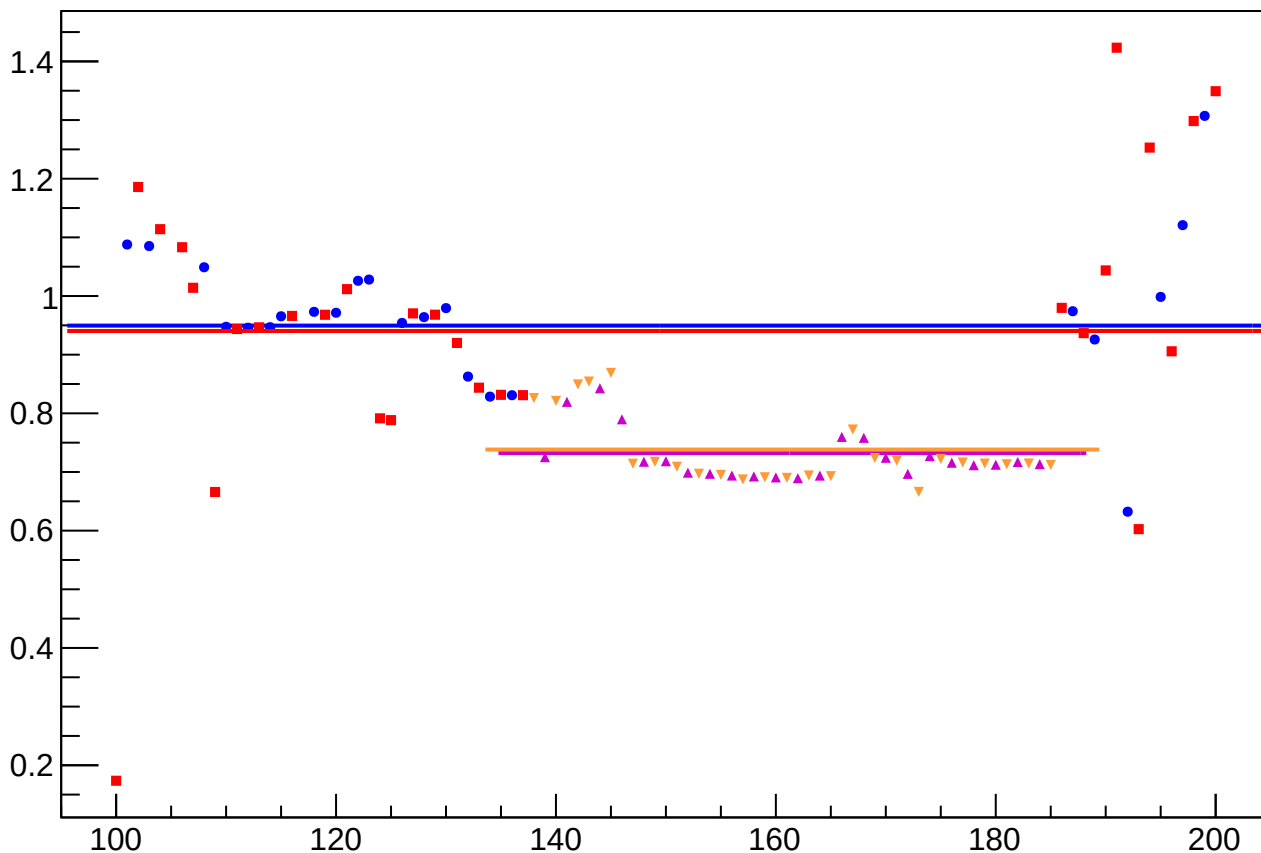
Left In: 0.013+/-0.000 χ^2/NDF :1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8357643.1/47

All: 0.015+/-0.000 χ^2/NDF : 17516827.8/98

- sign 0.015+/-0.000 χ^2/NDF : 9158564.7/50

yield_bpm11X_mean vs Slug



Right In: 0.950 ± 0.000 χ^2/NDF : 413599283.4/22

Left Out: 0.738 ± 0.000 χ^2/NDF : 310610047.7/24

Right Out: 0.940 ± 0.000 χ^2/NDF : 852605091.3/27

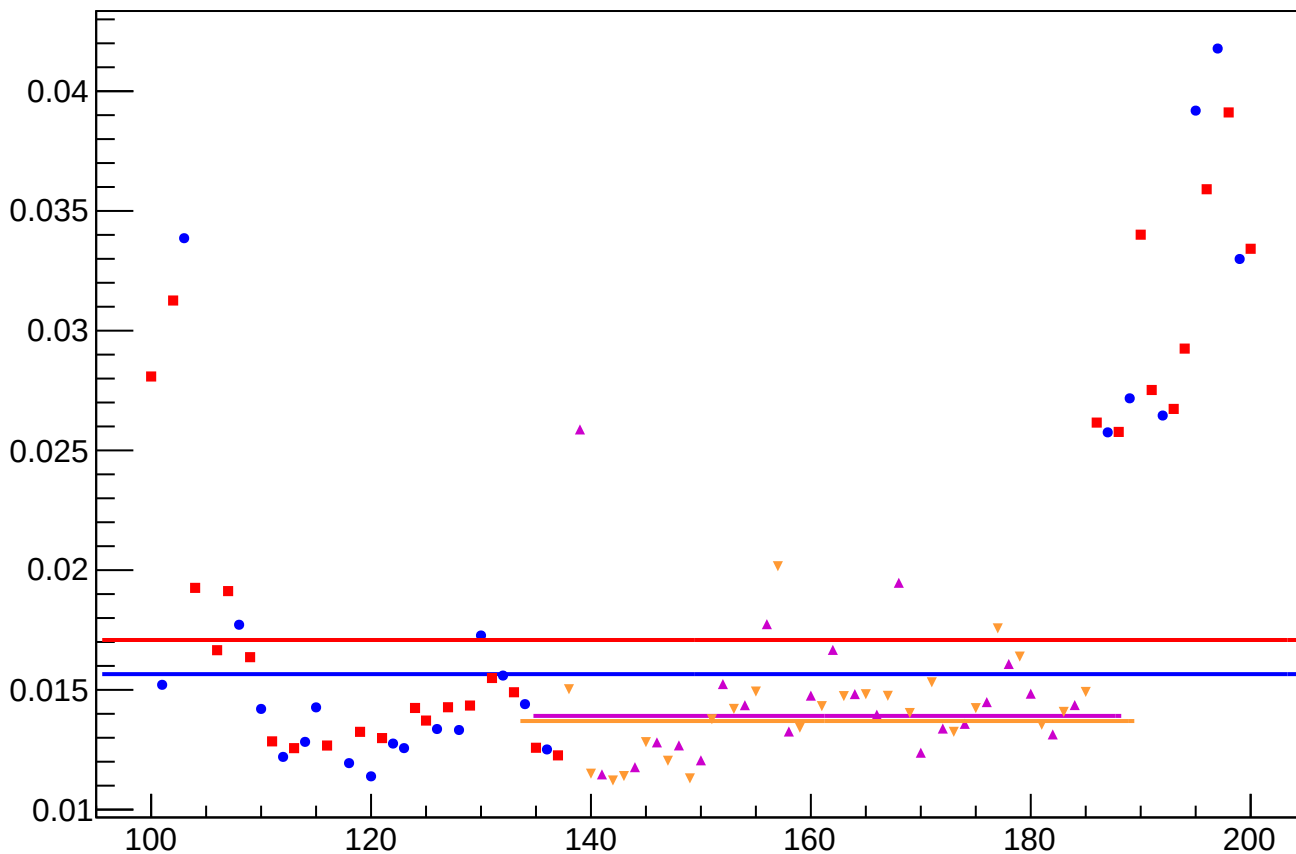
Left In: 0.732 ± 0.000 χ^2/NDF : 170806298.1/22

+ sign 0.798 ± 0.000 χ^2/NDF : 1813841426.5/47

All: 0.797 ± 0.000 χ^2/NDF : 3900554734.0/98

- sign 0.796 ± 0.000 χ^2/NDF : 2086490347.0/50

yield_bpm11X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 2787801.6/22

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 3172228.0/27

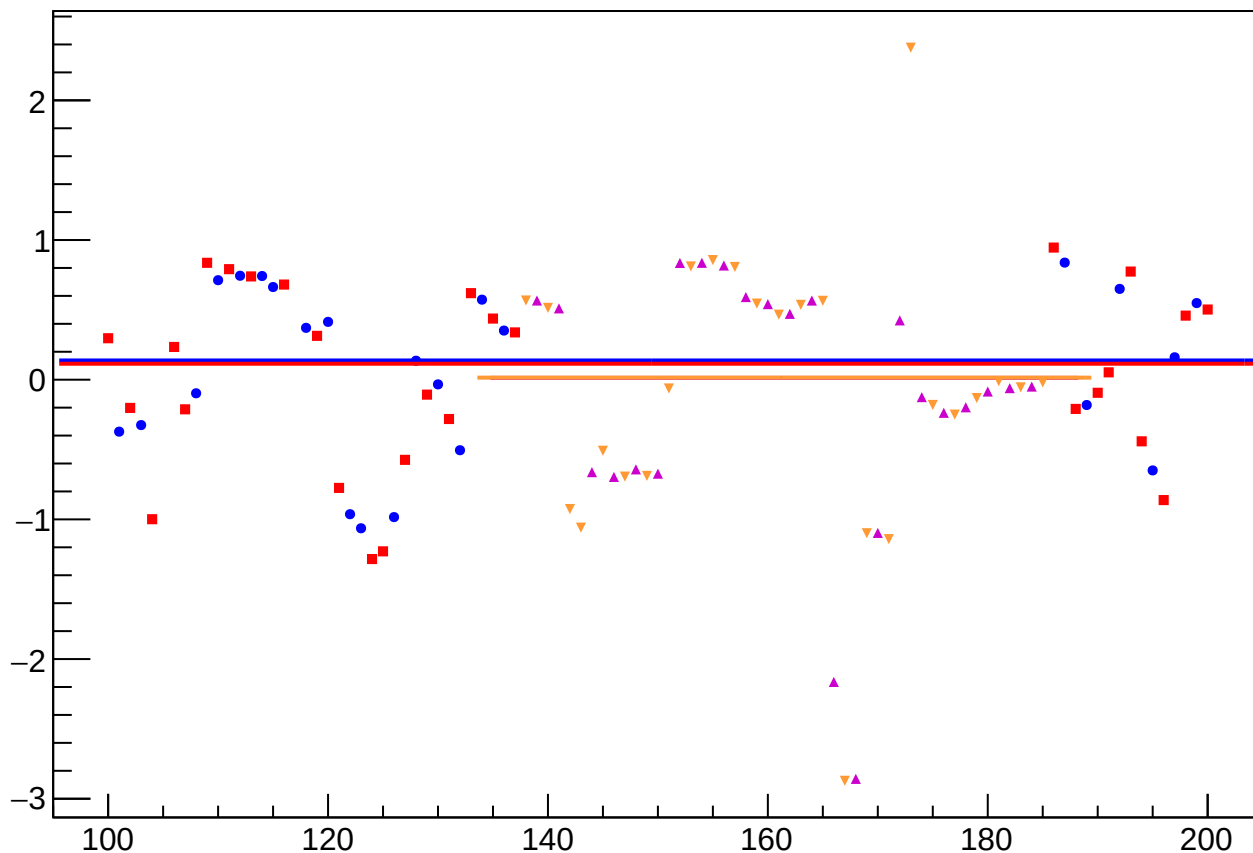
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 3505938.2/47

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 8013290.7/98

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 4460381.5/50

yield_bpm11Y_mean vs Slug



Right In: 0.138 $\pm$ 0.000 χ^2 /NDF: 13428326596.1/22

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

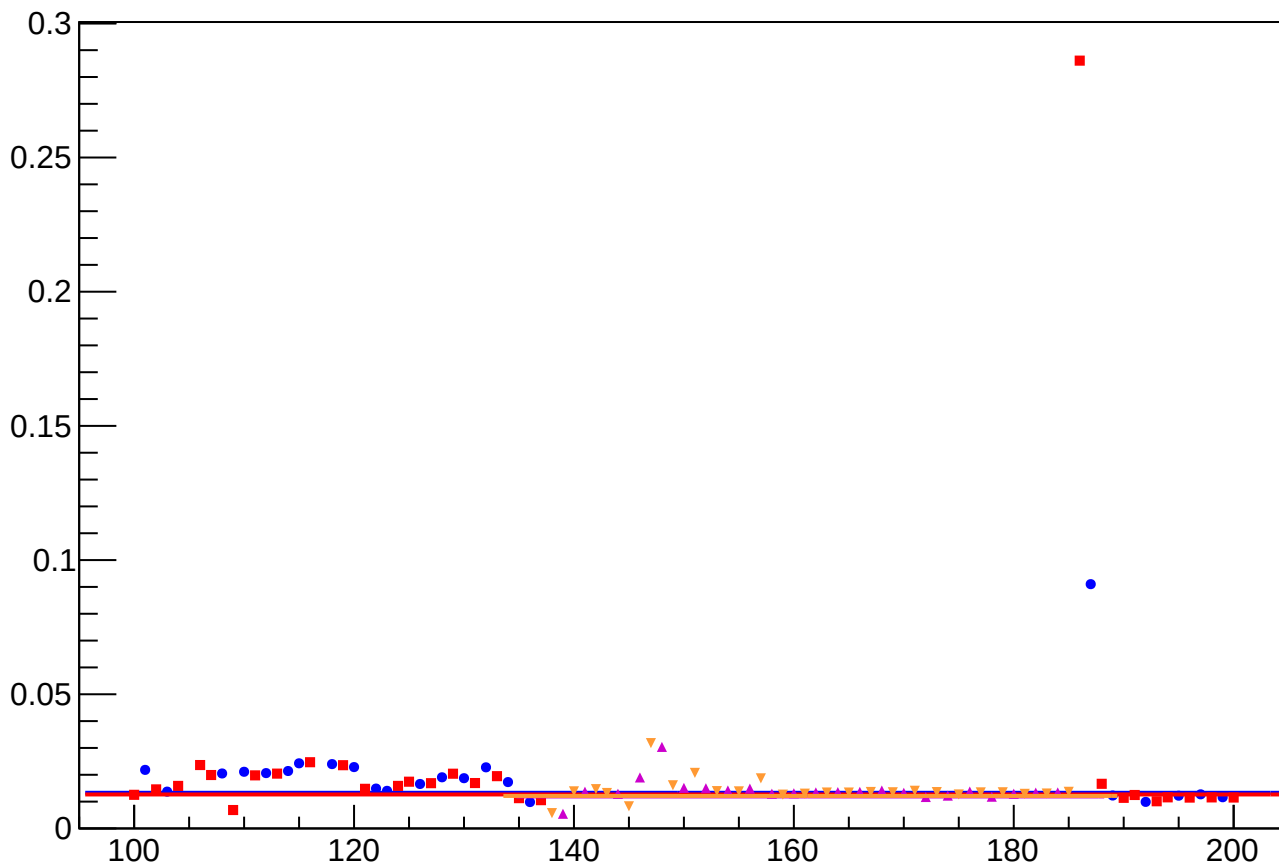
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.053 $\pm$ 0.000 χ^2 /NDF: 110033385110.2/47

All: 0.052 $\pm$ 0.000 χ^2 /NDF: 214503987182.0

- 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: 1816169.9/22

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

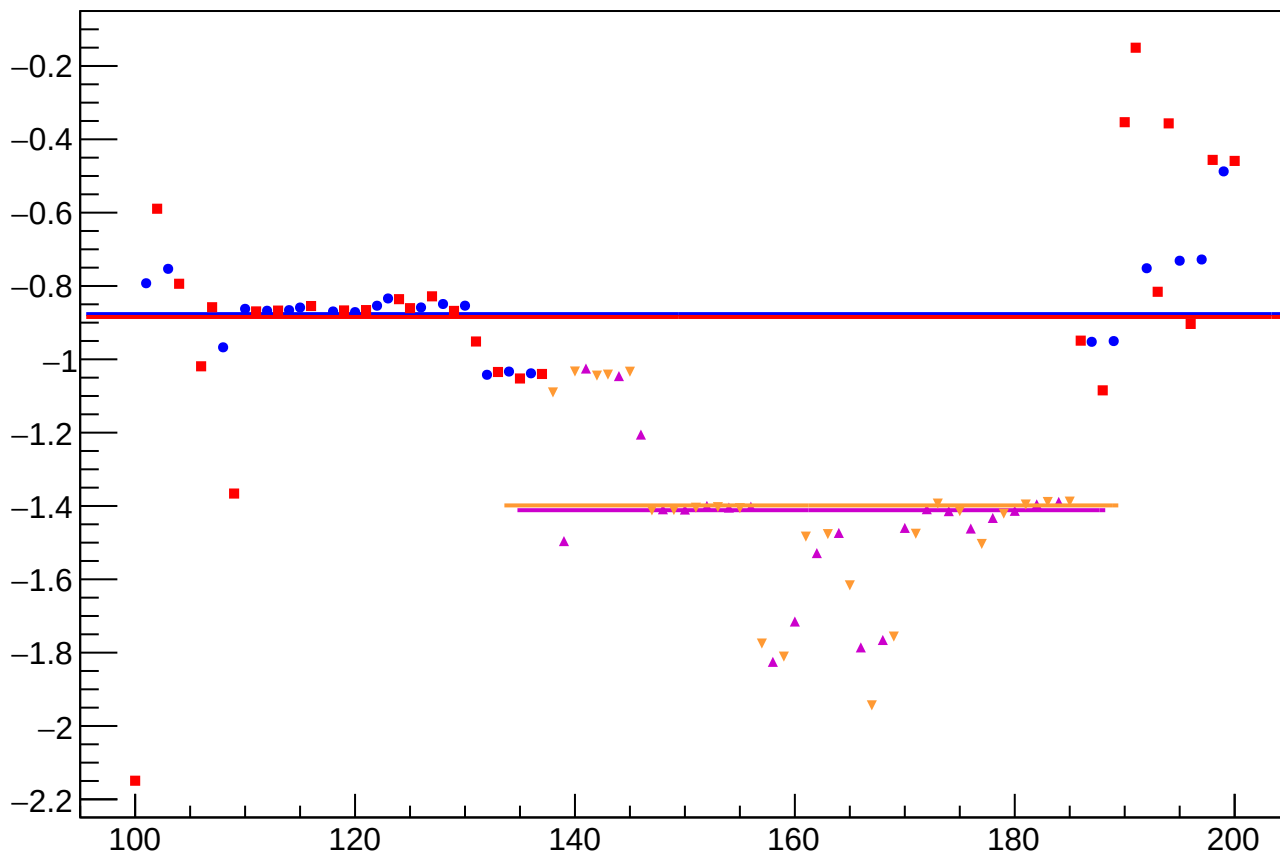
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5018568.4/47

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10700012.9/98

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5668976.6/50

yield_bpm12X_mean vs Slug



Right In: -0.877 ± 0.000 χ^2/NDF : 68710606.7/22

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.885 ± 0.000 χ^2/NDF : 281651903.5/27

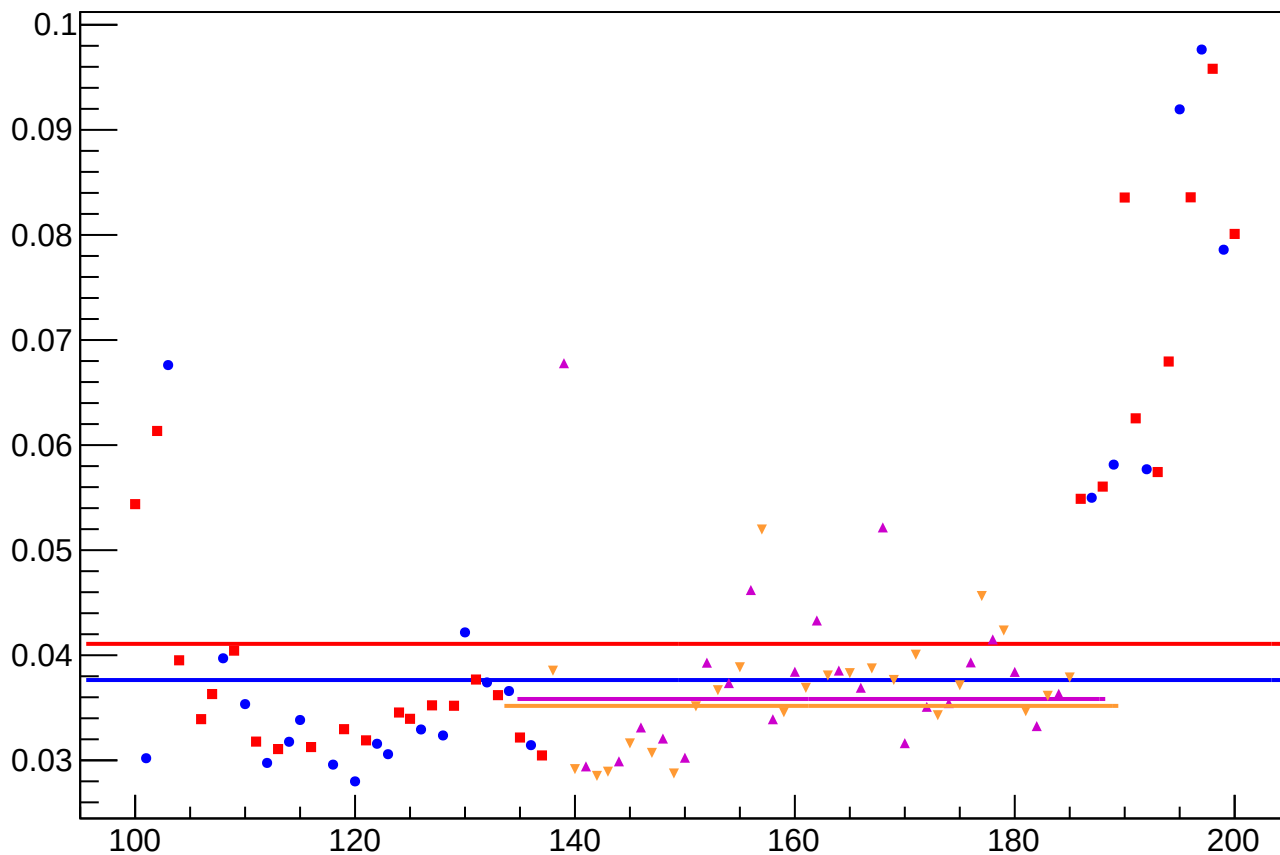
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.234 ± 0.000 χ^2/NDF : 1918421962.9/47

All: -1.233 ± 0.000 χ^2/NDF : 3851395862.5/9

- 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 : 2451321.6/22

Left Out: 0.035 ± 0.000 χ^2/NDF : 597886.0/24

Right Out: 0.041 ± 0.000 χ^2/NDF : 2676617.6/27

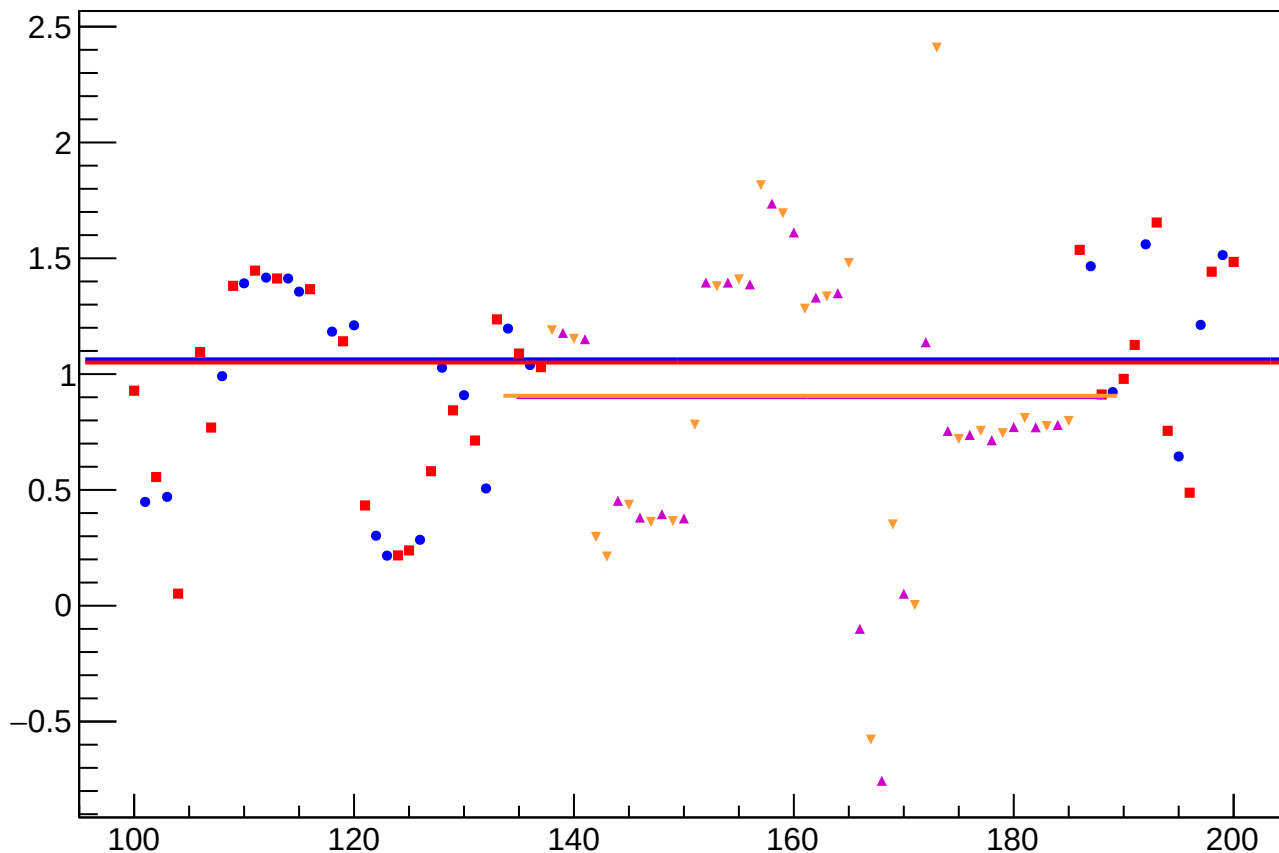
Left In: 0.036 ± 0.000 χ^2/NDF : 890993.5/22

+ sign 0.036 ± 0.000 χ^2/NDF : 3098799.0/47

All: 0.037 ± 0.000 χ^2/NDF : 6944282.0/98

- sign 0.038 ± 0.000 χ^2/NDF : 3793268.2/50

yield_bpm12Y_mean vs Slug



Right In: 1.064 $\pm$ 0.000 χ^2 /NDF: 17241216974.7/22

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

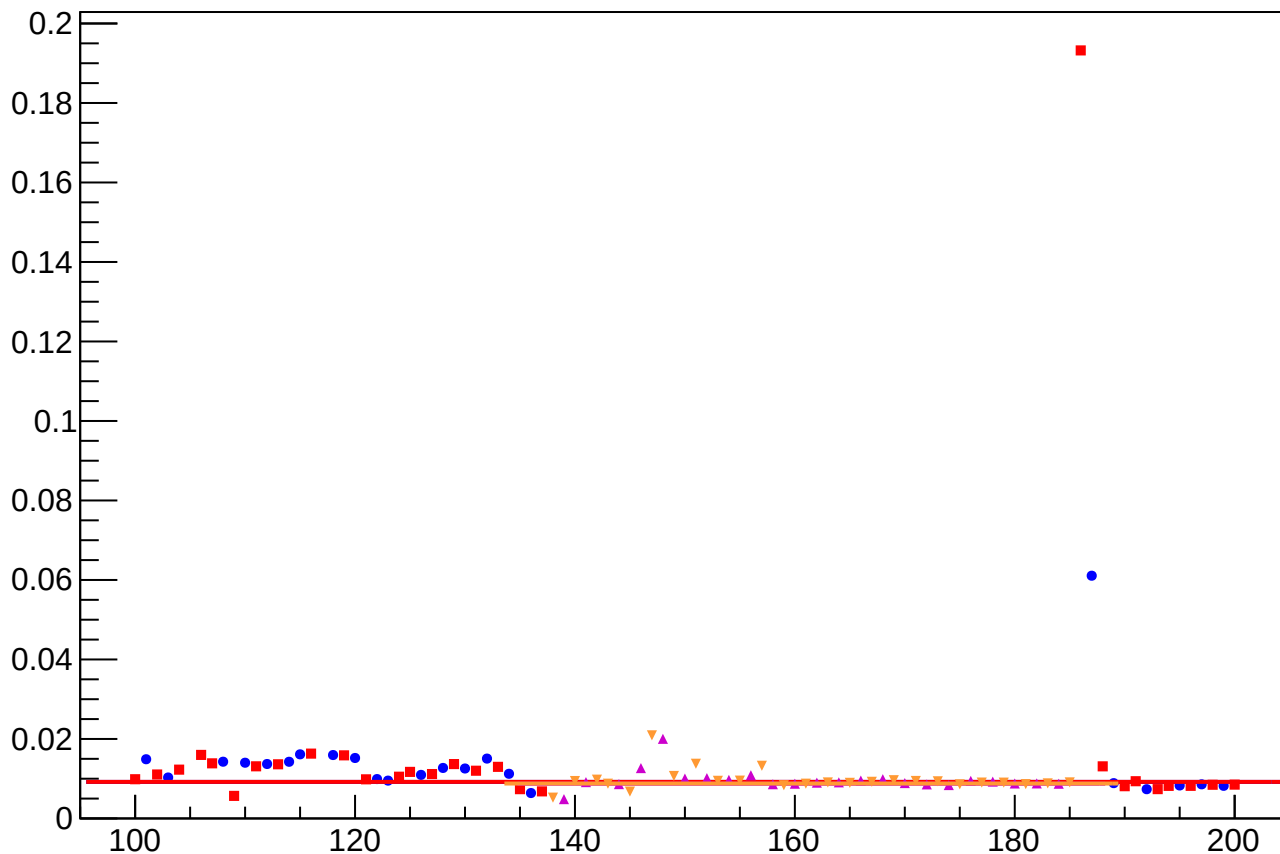
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.958 $\pm$ 0.000 χ^2 /NDF: 103116303068.2/47

All: 0.957 $\pm$ 0.000 χ^2 /NDF: 195697620520.7

- 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 : 1693434.2/22

Left Out: 0.009+/-0.000 χ^2/NDF :1698526.2/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2182379.2/27

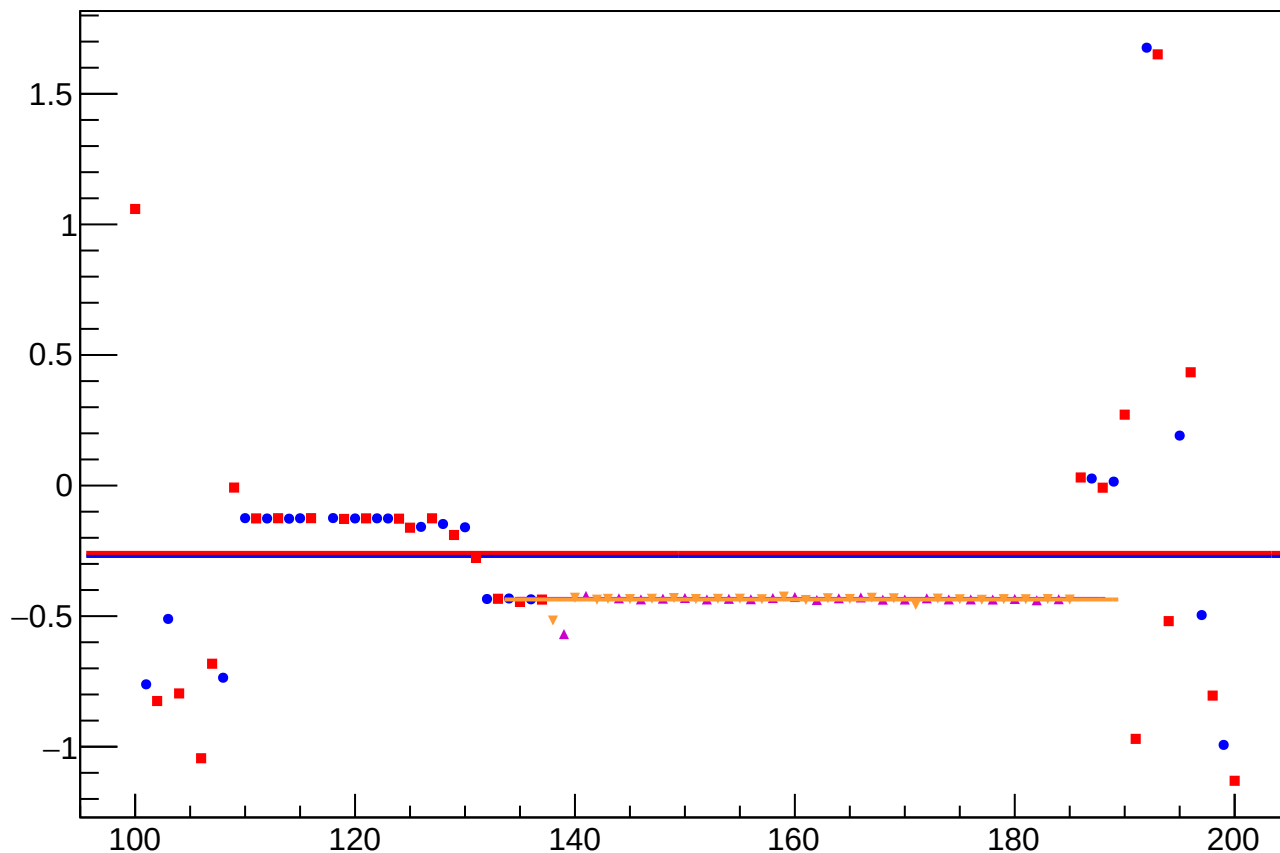
Left In: 0.009+/-0.000 χ^2/NDF :1669983.7/22

+ sign 0.009+/-0.000 χ^2/NDF : 3415154.8/47

All: 0.009+/-0.000 χ^2/NDF : 7301719.1/98

- sign 0.009+/-0.000 χ^2/NDF : 3886560.9/50

yield_bpm16X_mean vs Slug



Right In: -0.270 ± 0.000 $\chi^2/\text{NDF}: 1998292898.5/22$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28776503.9/24$

Right Out: -0.258 ± 0.000 $\chi^2/\text{NDF}: 2029417764.2/27$

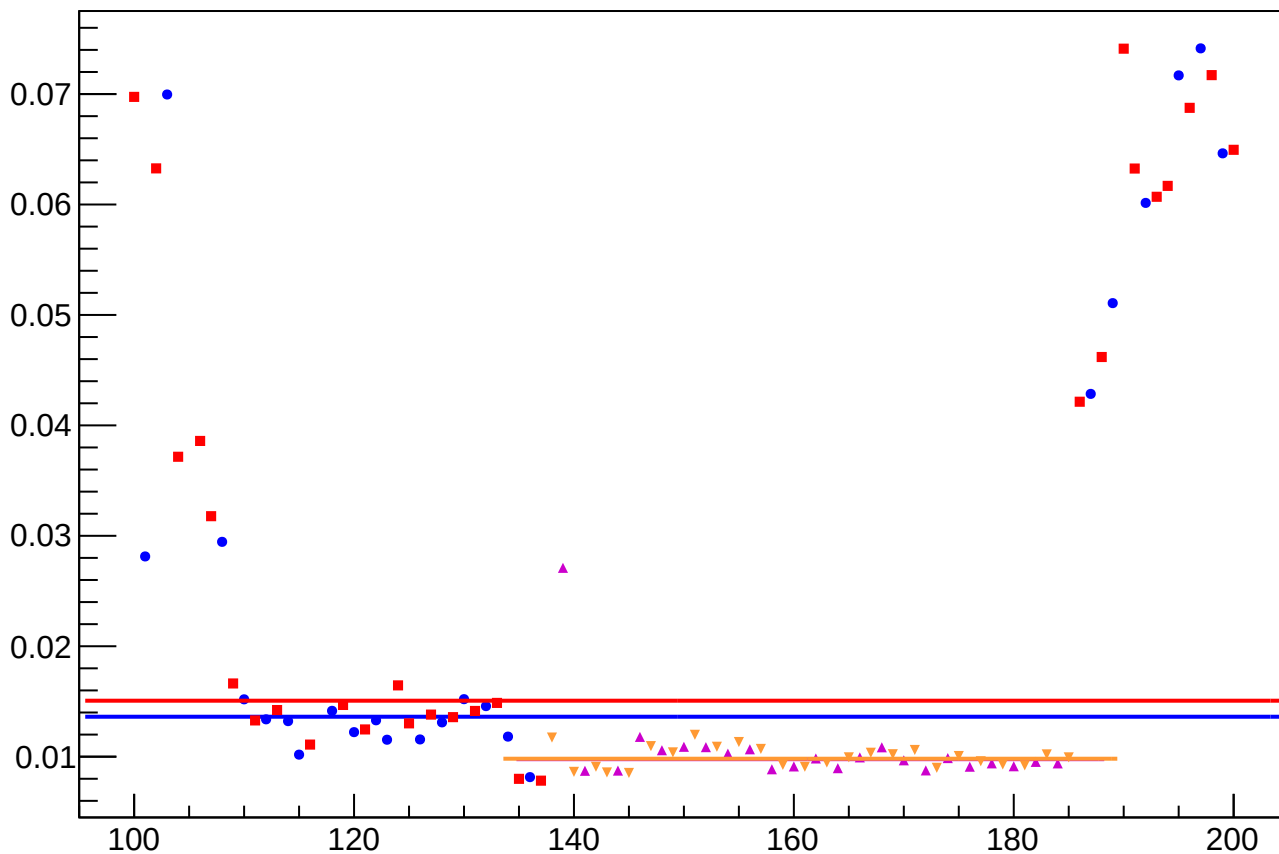
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20164730.3/22$

+ sign -0.408 ± 0.000 $\chi^2/\text{NDF}: 2778990542.7/47$

All: -0.406 ± 0.000 $\chi^2/\text{NDF}: 5640573511.0/9$

- 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 : 6528397.0/22

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

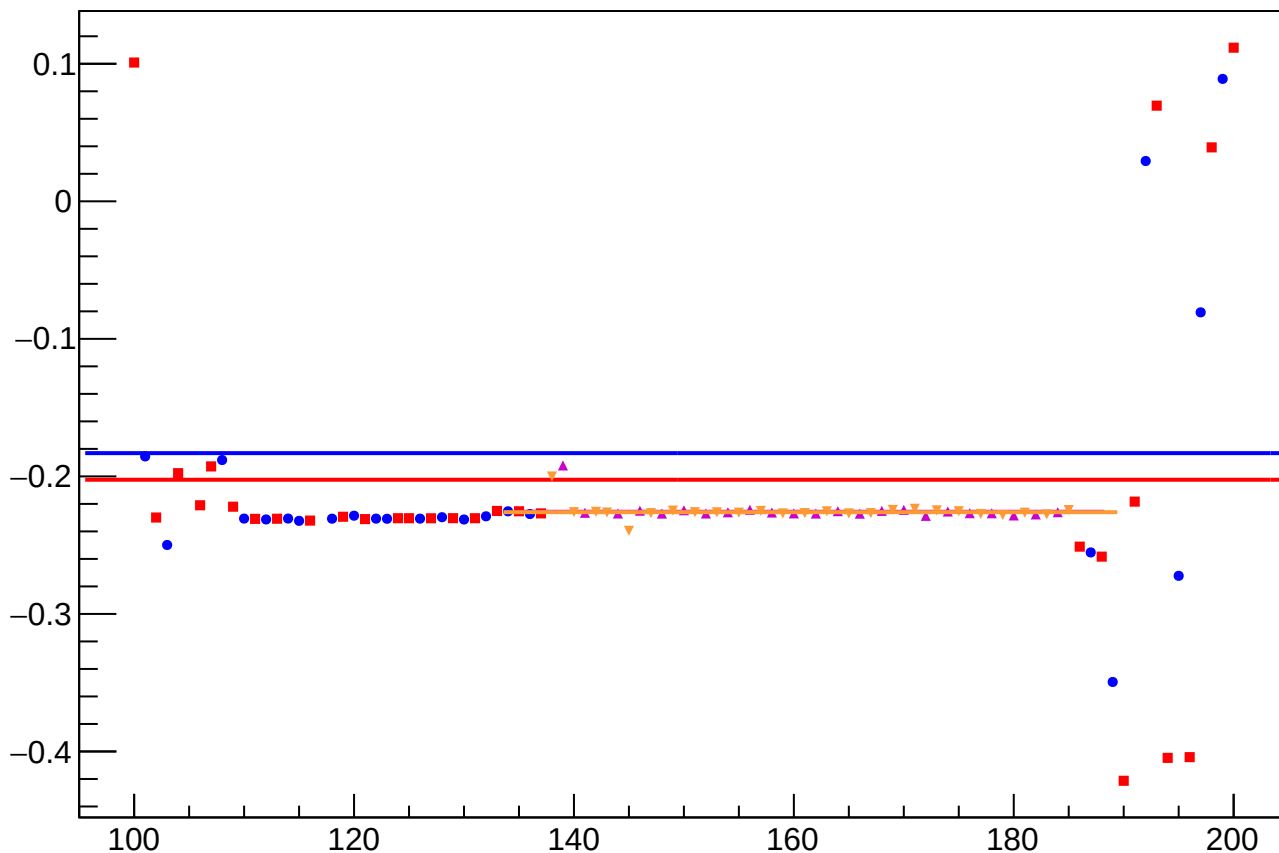
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 786577.8/22

+ sign 0.010 $\pm$ 0.000 χ^2/NDF : 7582139.1/47

All: 0.011 $\pm$ 0.000 χ^2/NDF : 18481022.2/98

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 10889361.2/50

yield_bpm16Y_mean vs Slug



Right In: -0.183 ± 0.000 $\chi^2/\text{NDF}: 4190348997.9/22$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21207366.3/24$

Right Out: -0.202 ± 0.000 $\chi^2/\text{NDF}: 7570913004.1/27$

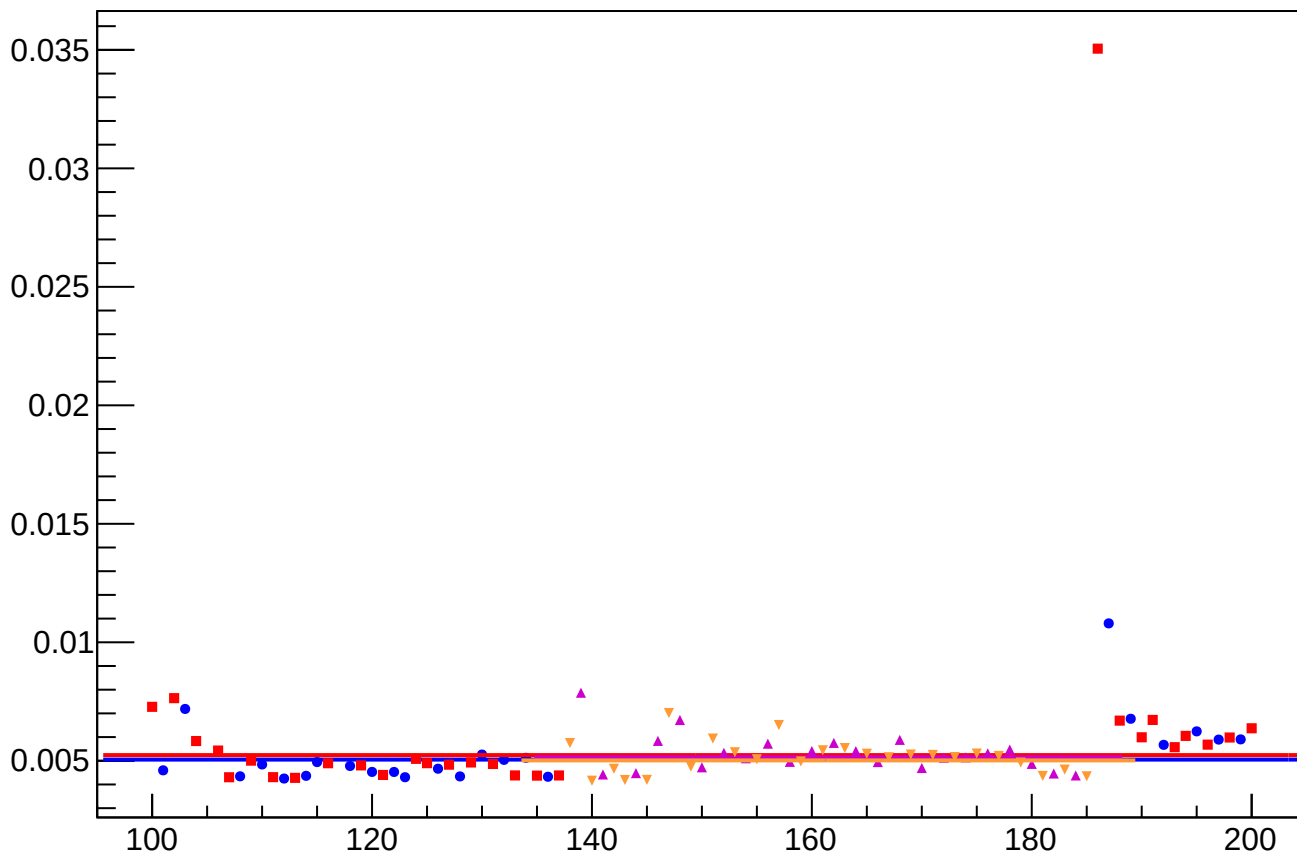
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 13717302.5/22$

+ sign -0.211 ± 0.000 $\chi^2/\text{NDF}: 4657564930.9/47$

All: -0.214 ± 0.000 $\chi^2/\text{NDF}: 12393562723.9/50$

- 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 : 528101.2/22

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1108850.1/27

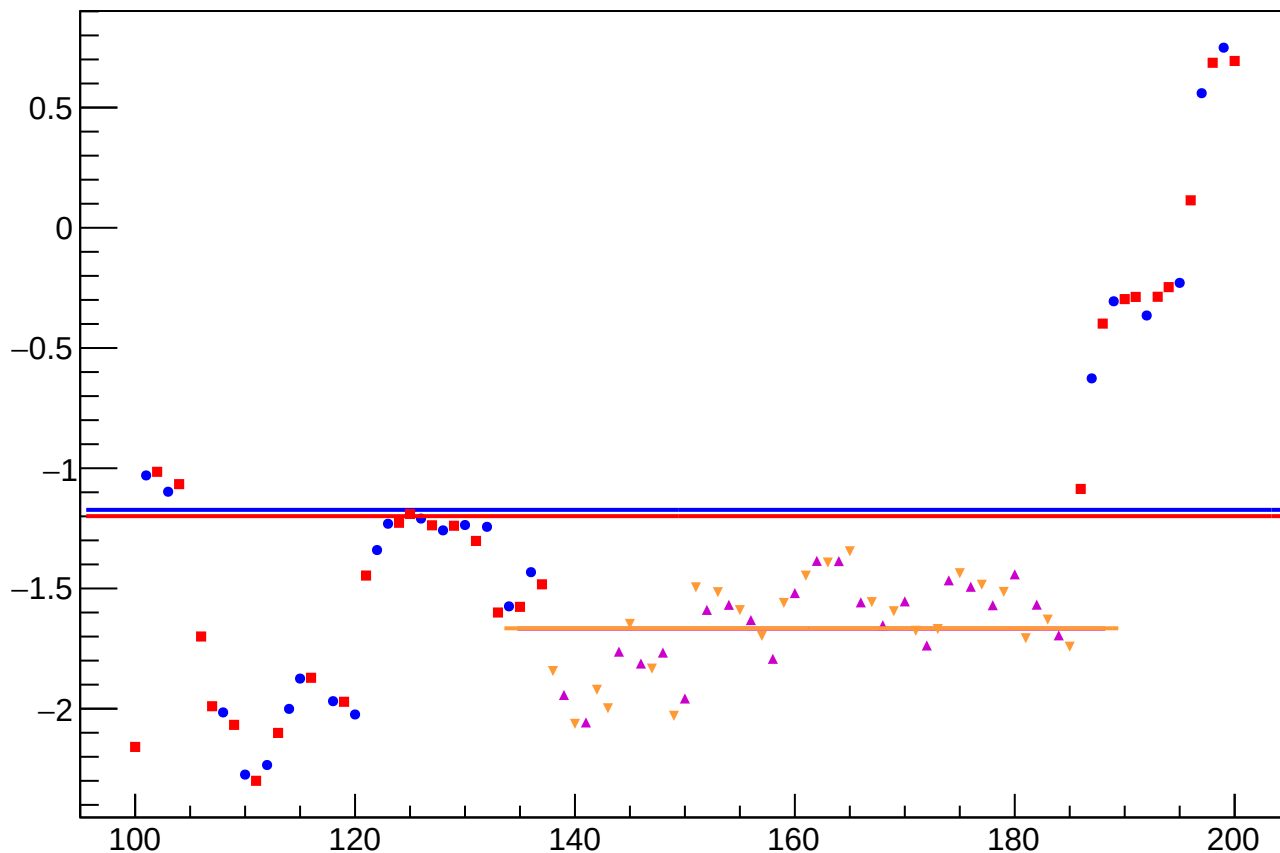
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1061282.8/47

All: 0.005+/-0.000 χ^2/NDF : 2704448.1/98

- sign 0.005+/-0.000 χ^2/NDF : 1616959.2/50

yield_bpm0l01X_mean vs Slug



Right In: -1.173+/-0.000 χ^2/NDF : 100403125078.5/22

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.199+/-0.000 χ^2/NDF : 147203529003.1/27

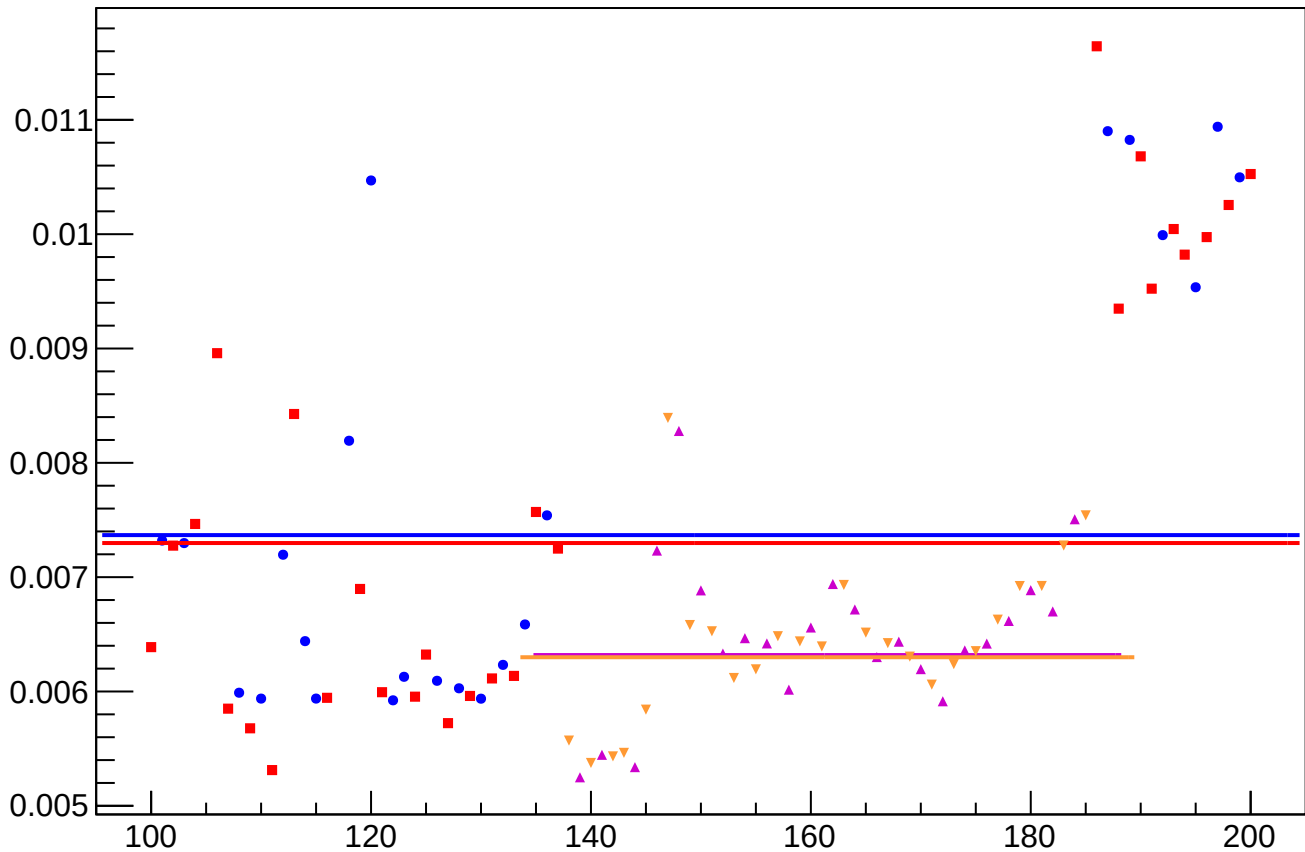
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.526+/-0.000 χ^2/NDF : 149109186270.8/47

All: -1.515+/-0.000 χ^2/NDF : 342474574894.8

- sign -1.505+/-0.000 χ^2/NDF : 193219847624.7/50

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 981293.8/22

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 1413255.5/27

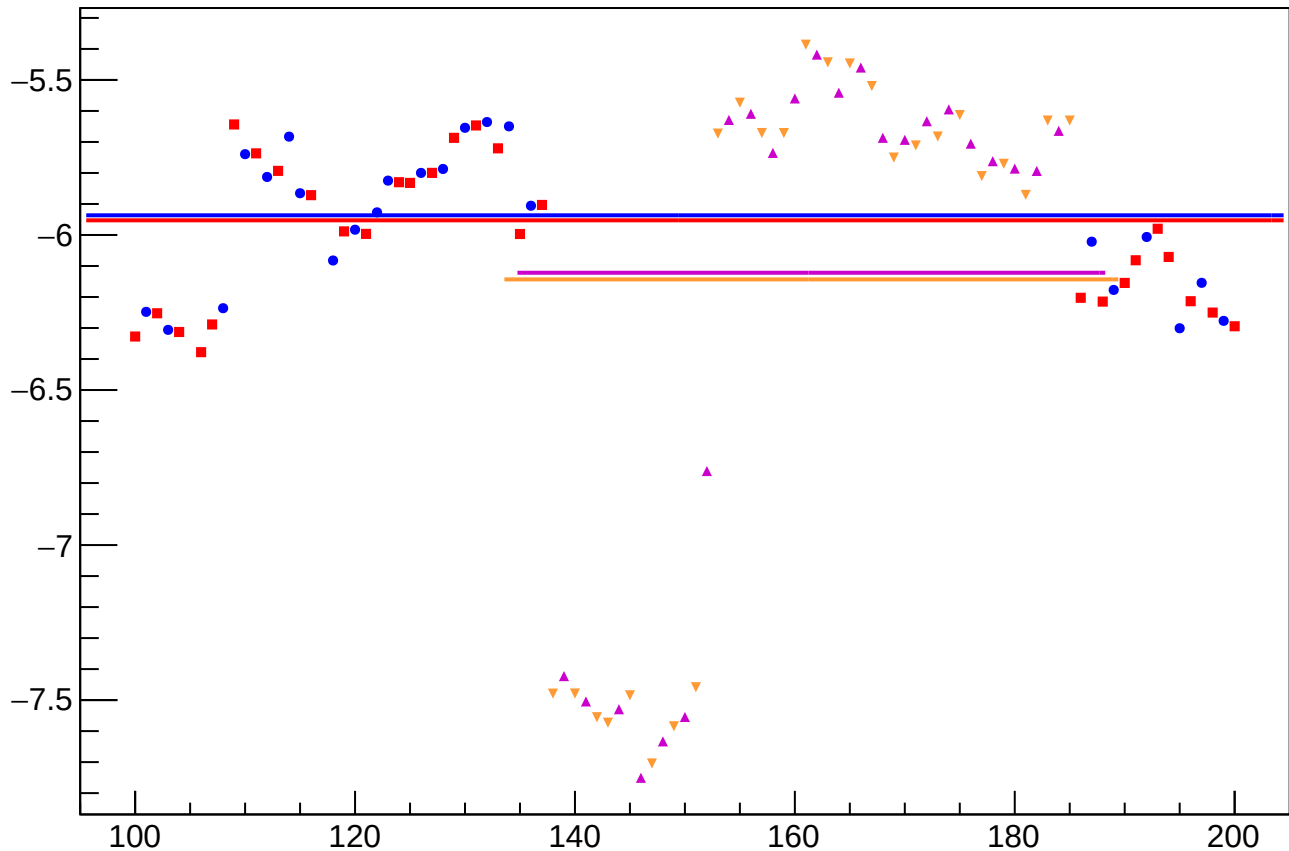
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 1579526.6/47

All: 0.007+/-0.000 χ^2/NDF : 3604720.1/98

- sign 0.007+/-0.000 χ^2/NDF : 2023177.1/50

yield_bpm0l01Y_mean vs Slug



Right In: -5.937+/-0.000 χ^2/NDF : 12820279679.4/22

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.953+/-0.000 χ^2/NDF : 14983031098.4/27

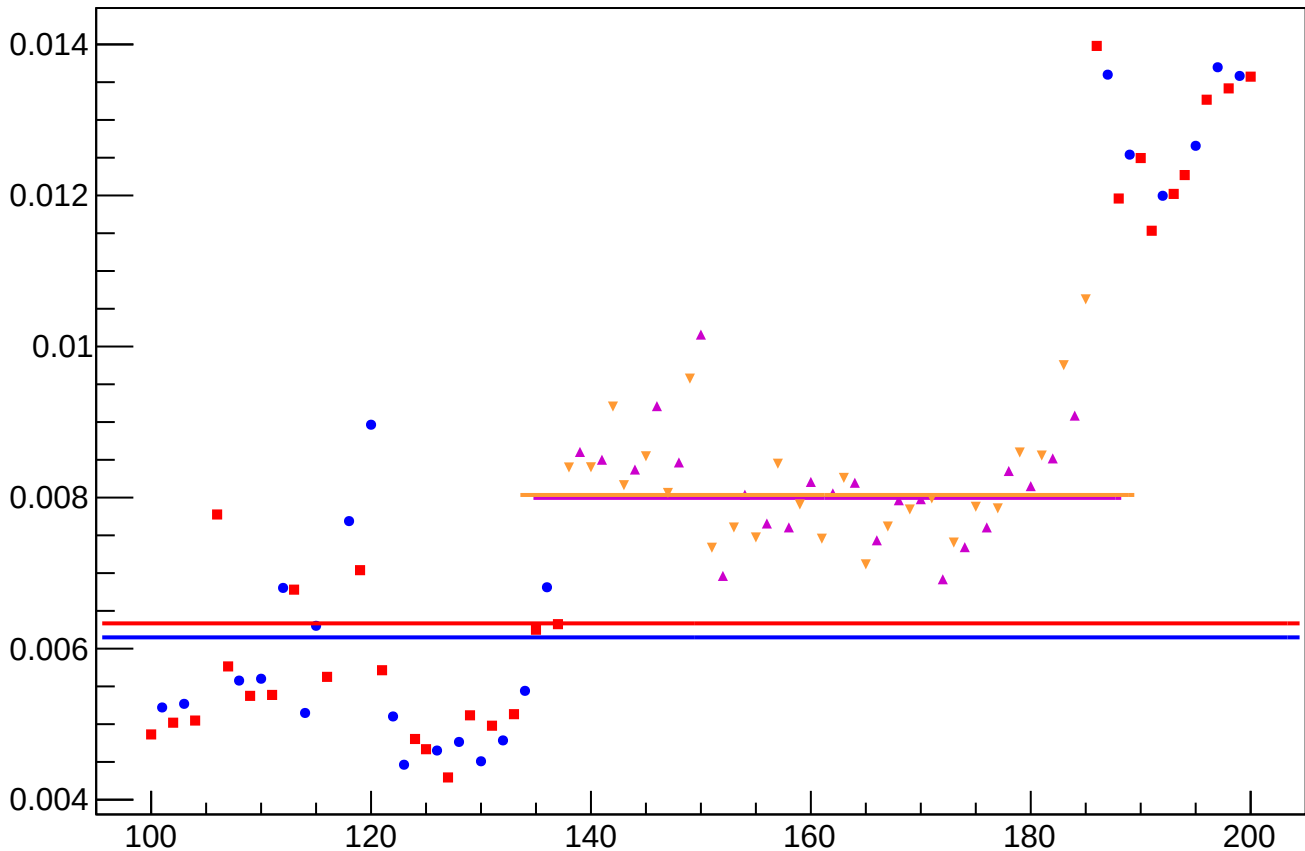
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.047+/-0.000 χ^2/NDF : 203665157787.3/47

All: -6.041+/-0.000 χ^2/NDF : 382209779794.6

- 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 : 2663061.2/22

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 3547915.0/27

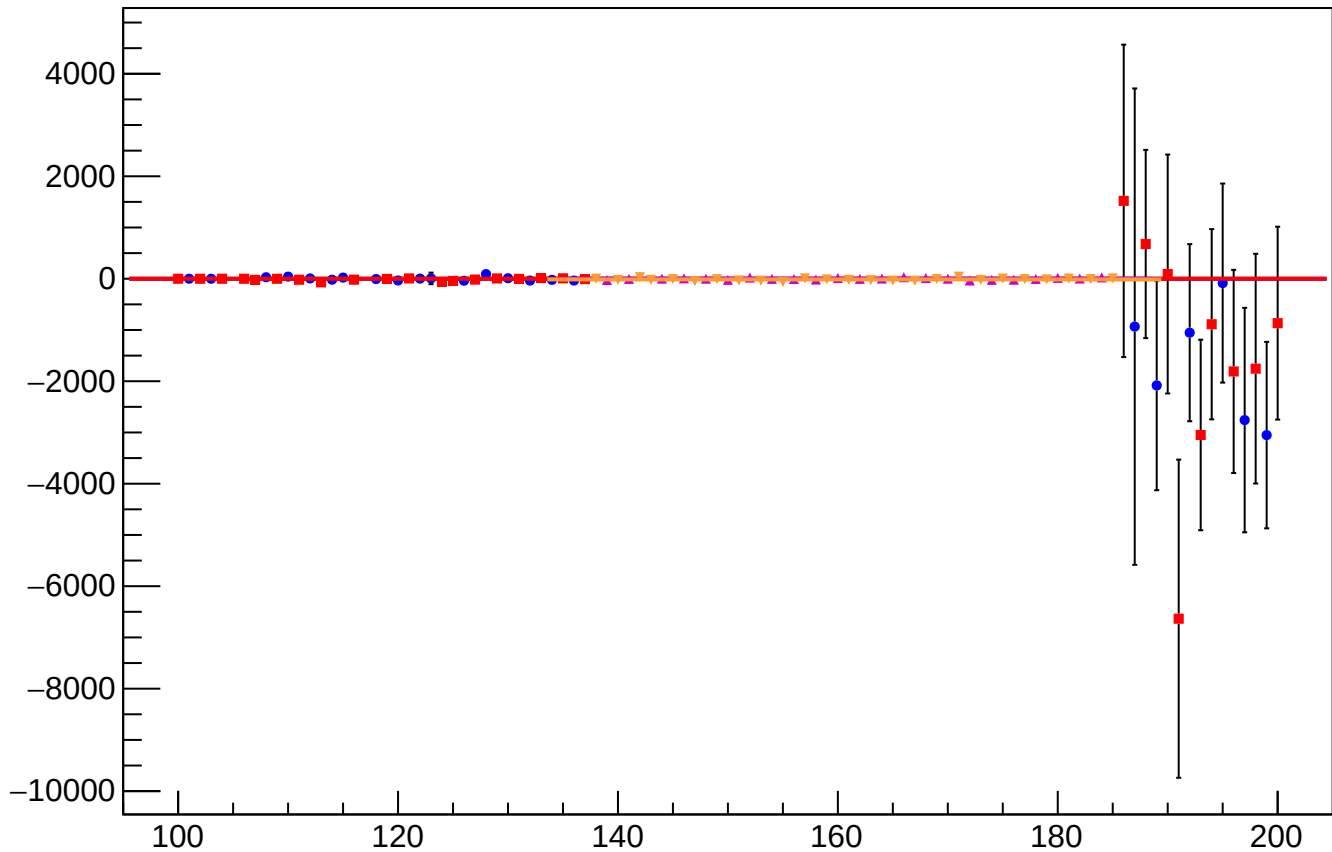
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 3721308.2/47

All: 0.007+/-0.000 χ^2/NDF : 8188830.1/98

- 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 : 22.1/22

Left Out: -13.472 ± 2.796 χ^2/NDF : 58.5/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 24.5/27

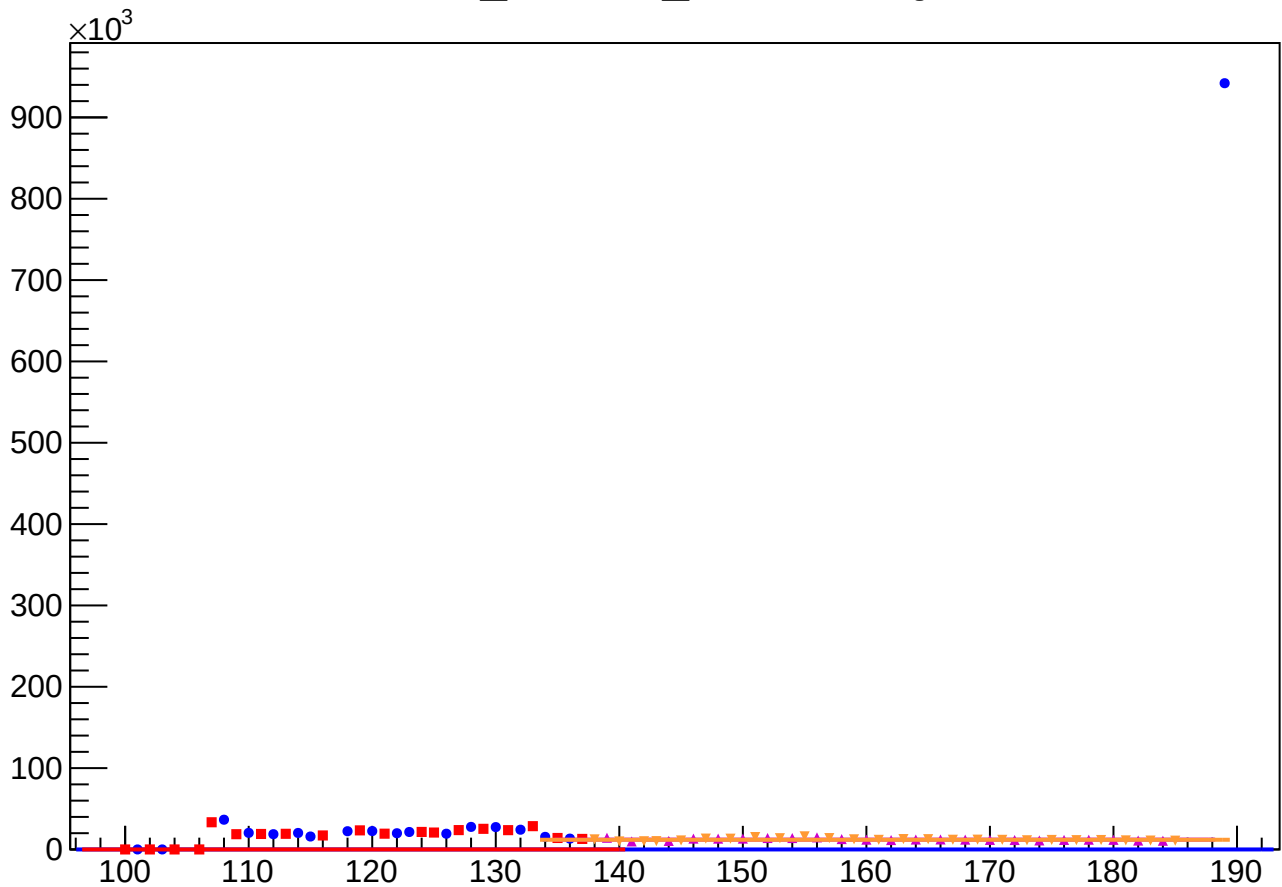
Left In: -0.489 ± 2.905 χ^2/NDF : 28.7/22

+ sign 0.013 ± 0.017 χ^2/NDF : 103.9/47

All: 0.008 ± 0.012 χ^2/NDF : 157.2/98

- 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

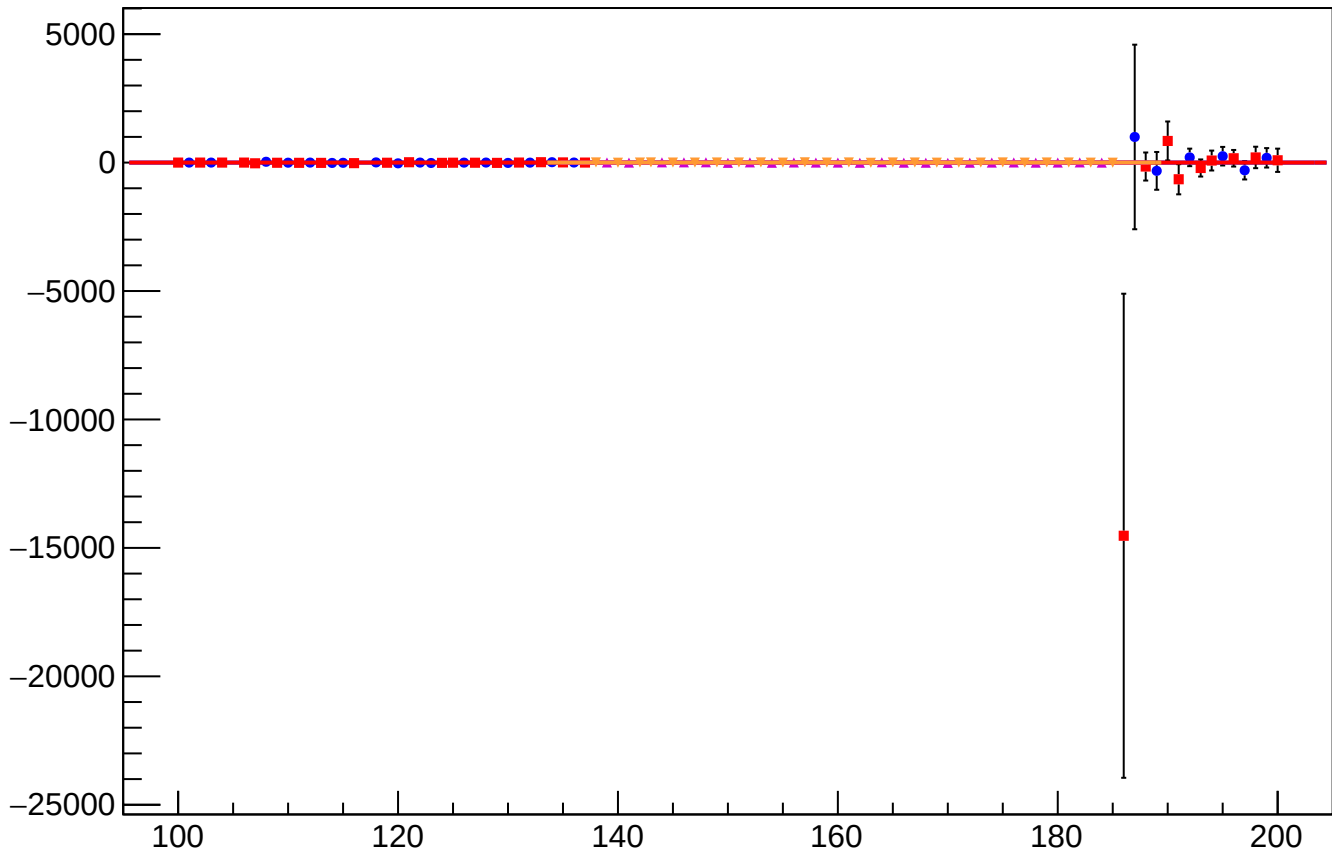
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ 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: 16.7/22

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

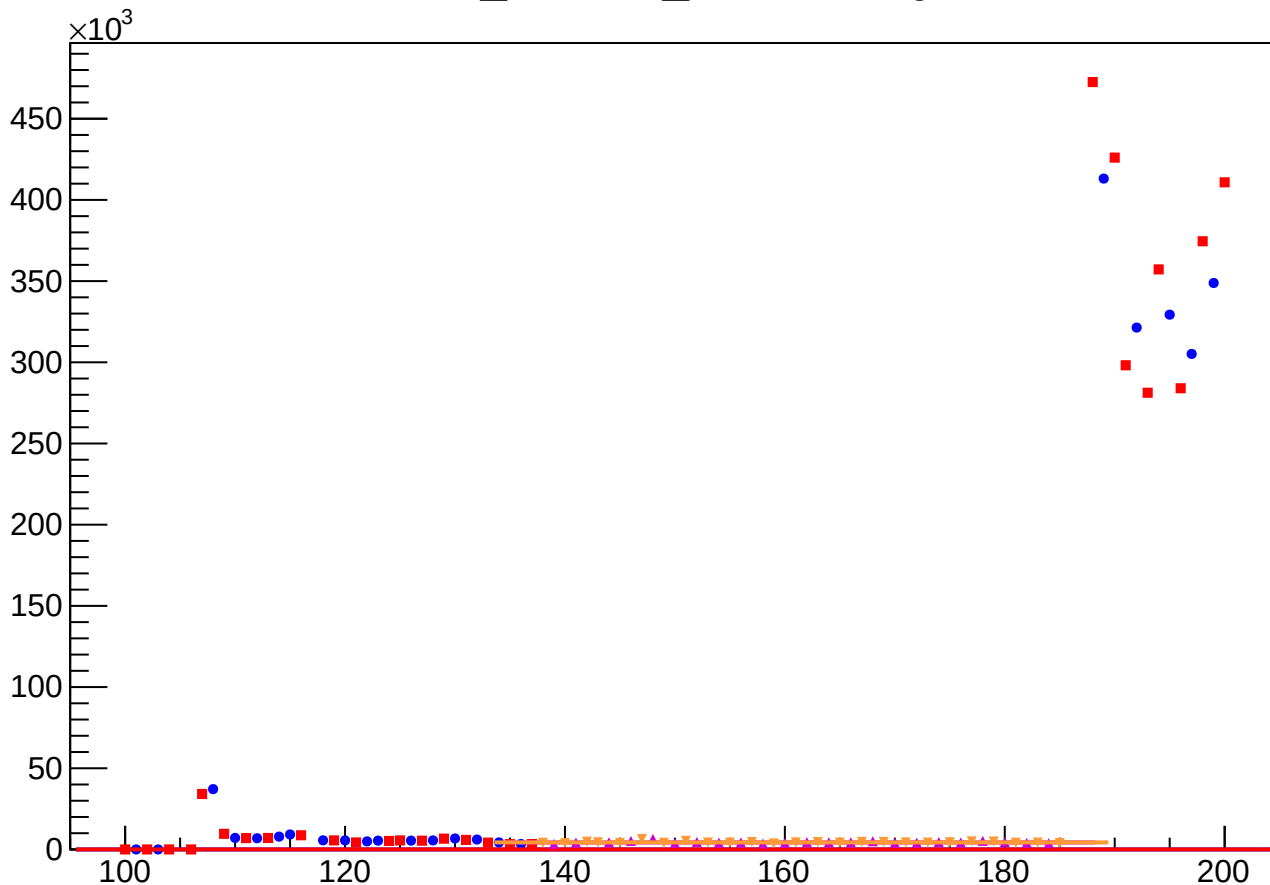
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 37.3/47

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 99.2/98

- 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 : 18129853.0/21

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 21653009.7/26

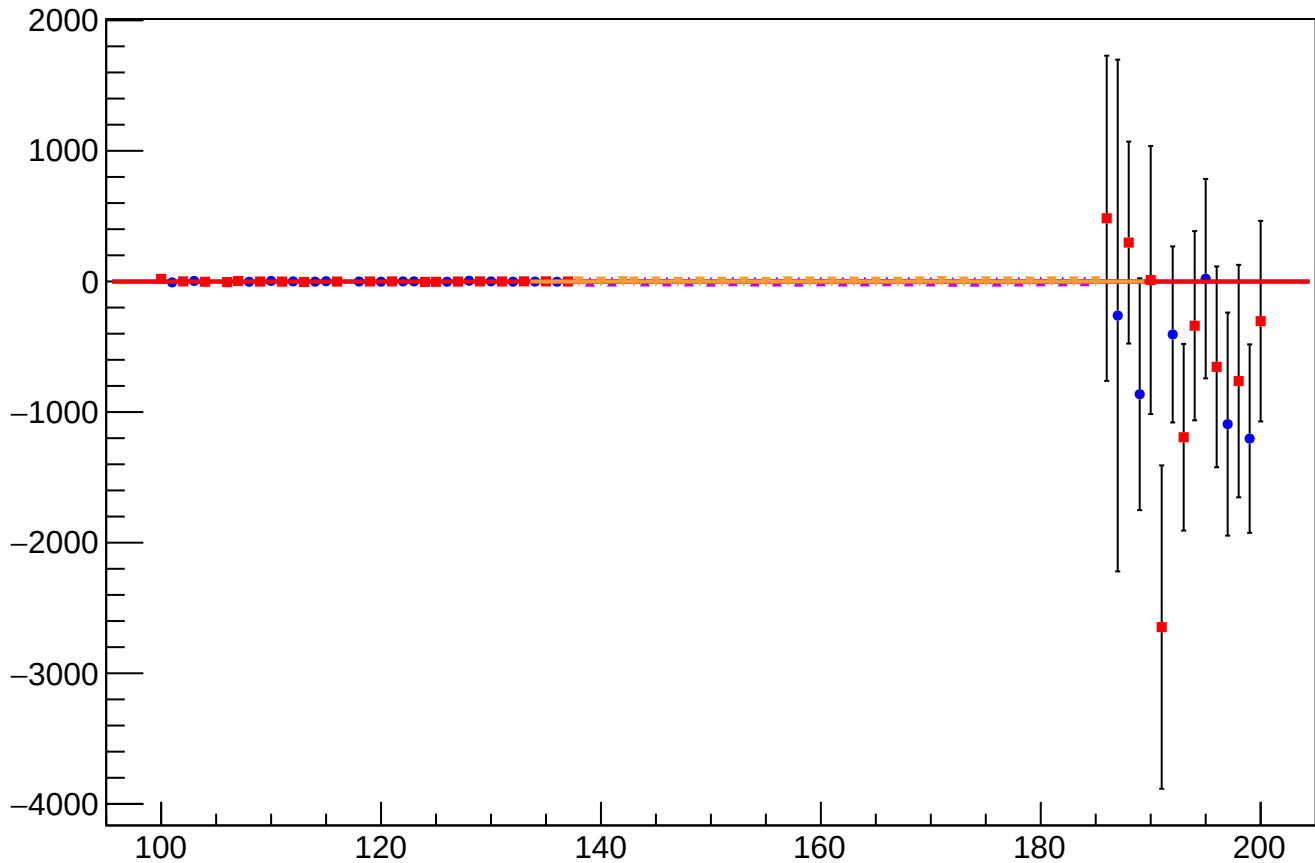
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.291 ± 0.007 χ^2/NDF : 54657834.9/46

All: 10.217 ± 0.004 χ^2/NDF : 110908738.7/96

- sign 10.151 ± 0.006 χ^2/NDF : 56250658.0/49

diff_cav4cX_mean vs Slug



Right In: -0.703 ± 0.485 χ^2/NDF : 28.2/22

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.762 ± 0.502 χ^2/NDF : 21.2/27

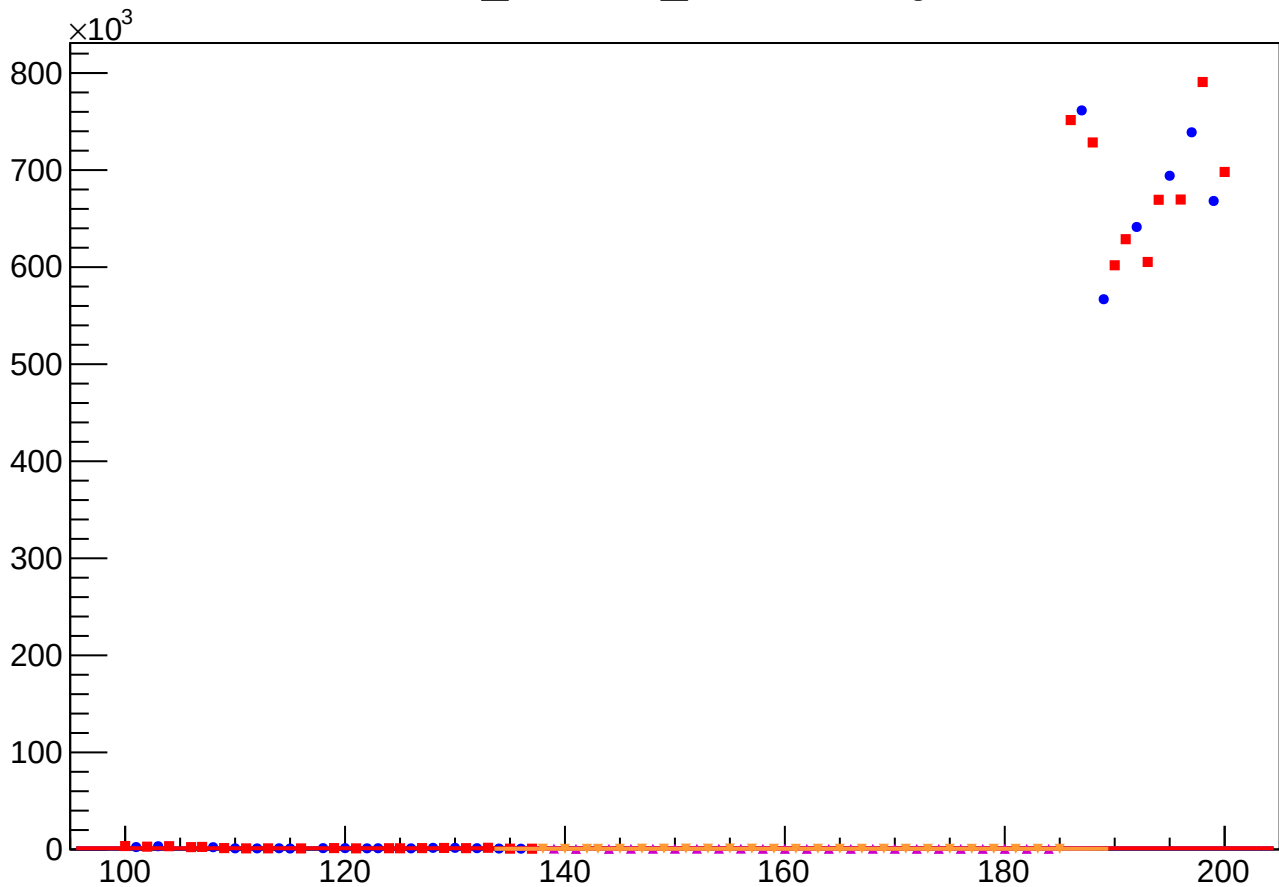
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 86.6/47

All: -0.444 ± 0.112 χ^2/NDF : 148.0/98

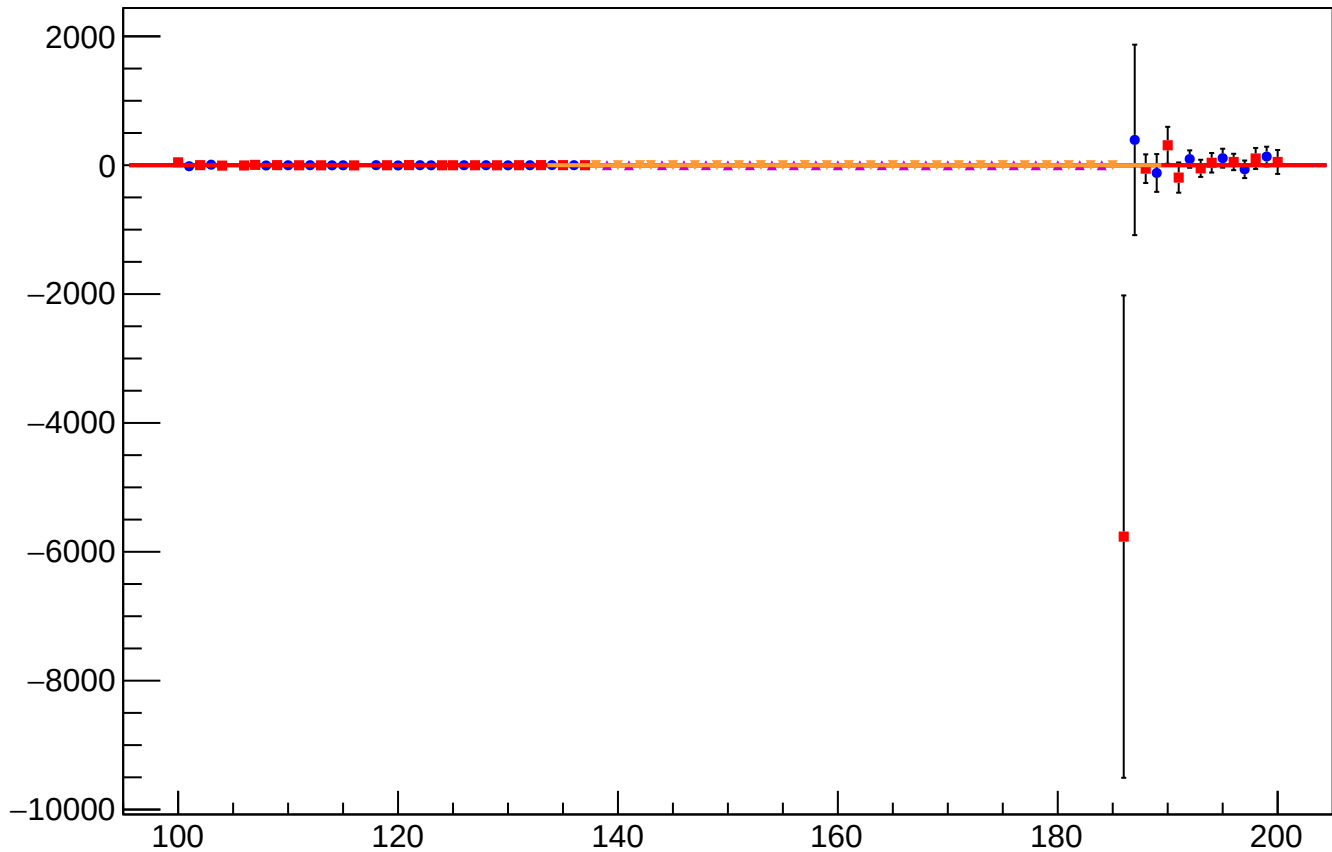
- sign -0.097 ± 0.161 χ^2/NDF : 52.4/50

diff_cav4cX_rms vs Slug



Right In: 1165.576 ± 0.343 $\chi^2/\text{NDF}: 9347478.2/22$ + sign 748.643 ± 0.110 $\chi^2/\text{NDF}: 11387544.7/47$
 Left Out: 700.797 ± 0.116 $\chi^2/\text{NDF}: 392521.4/24$ All: 755.579 ± 0.079 $\chi^2/\text{NDF}: 26957456.1/98$
 Right Out: 1251.386 ± 0.355 $\chi^2/\text{NDF}: 13114105.9/27$ - sign 763.016 ± 0.114 $\chi^2/\text{NDF}: 15561676.5/50$
 Left In: 706.950 ± 0.120 $\chi^2/\text{NDF}: 338177.1/22$

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.271 χ^2/NDF : 23.2/22

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 25.8/27

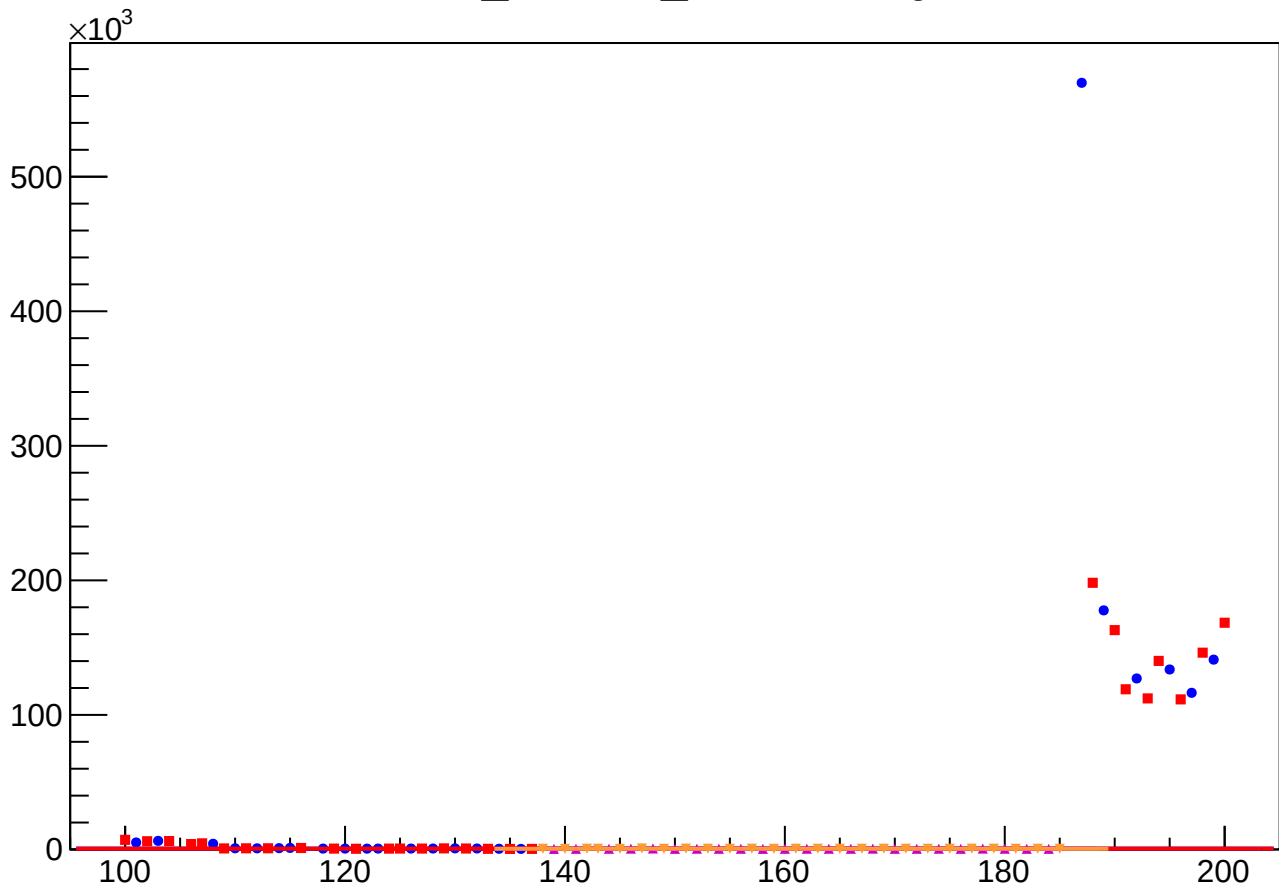
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 ± 0.112 χ^2/NDF : 41.8/47

All: 0.163 ± 0.080 χ^2/NDF : 102.8/98

- sign 0.139 ± 0.113 χ^2/NDF : 61.0/50

diff_cav4cY_rms vs Slug



Right In: 610.616 ± 0.191 $\chi^2/\text{NDF}: 10696289.1/22$

Left Out: 522.416 ± 0.087 $\chi^2/\text{NDF}: 331573.1/24$

Right Out: 602.361 ± 0.187 $\chi^2/\text{NDF}: 14136859.1/26$

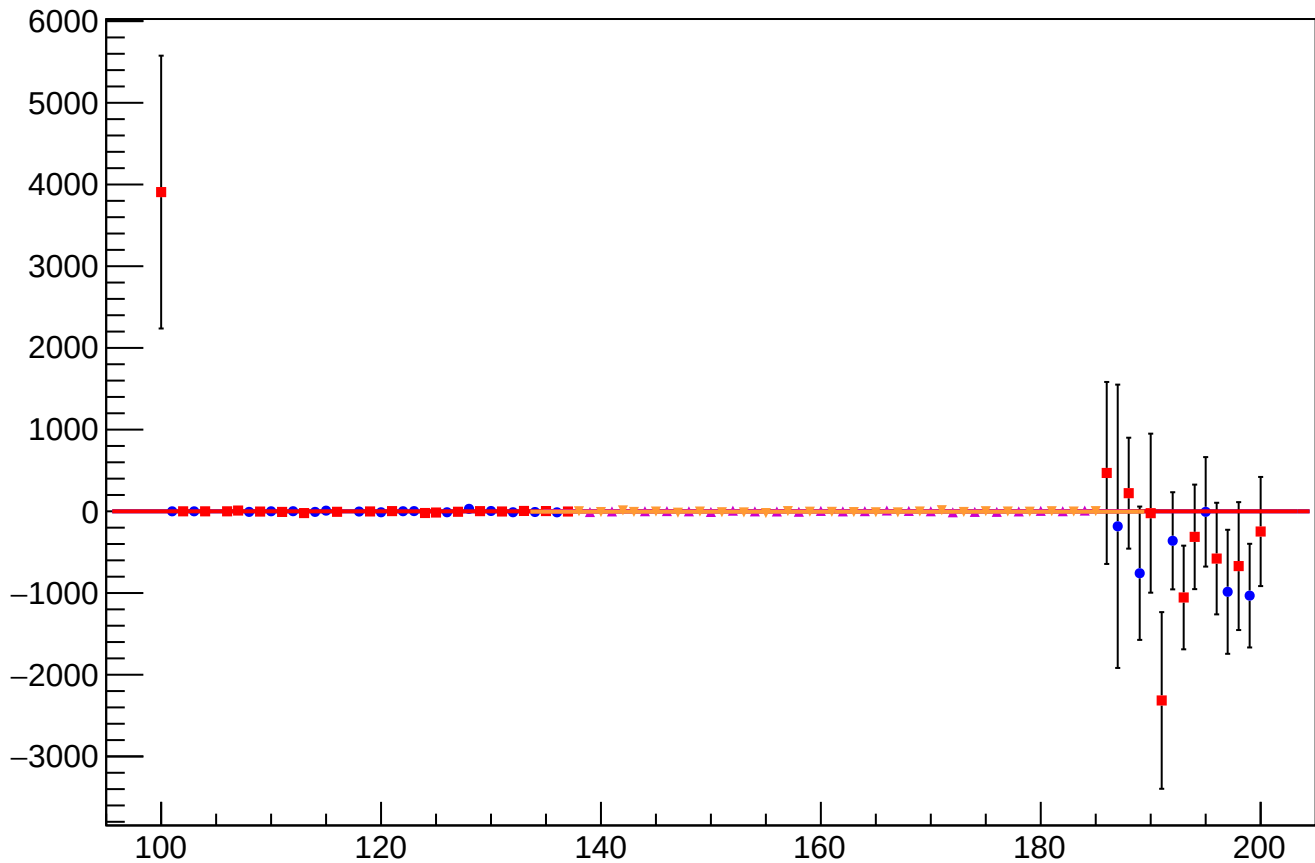
Left In: 519.909 ± 0.089 $\chi^2/\text{NDF}: 444746.3/22$

+ sign 537.417 ± 0.079 $\chi^2/\text{NDF}: 11204246.7/47$

All: 536.241 ± 0.056 $\chi^2/\text{NDF}: 25944604.3/97$

- sign 535.027 ± 0.080 $\chi^2/\text{NDF}: 14739906.4/49$

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 21.2/22

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 26.3/27

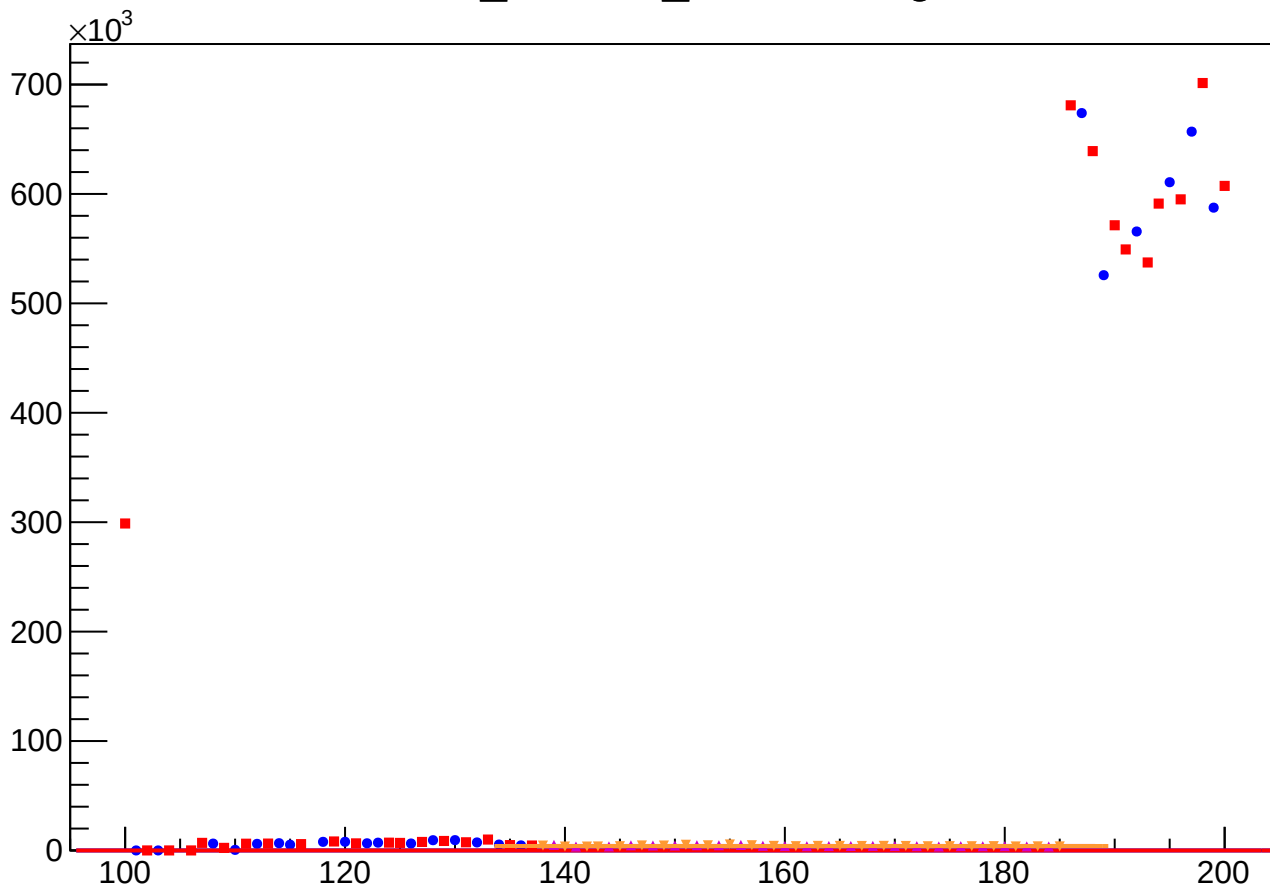
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 101.1/47

All: -0.025 ± 0.014 χ^2/NDF : 156.7/98

- sign -0.027 ± 0.020 χ^2/NDF : 55.5/50

diff_cav4dX_rms vs Slug



Right In: 17.338 ± 0.015 χ^2/NDF : 18133075.5/22

Left Out: 4074.257 ± 0.676 χ^2/NDF : 416916.0/24

Right Out: 17.271 ± 0.014 χ^2/NDF : 22383422.3/27

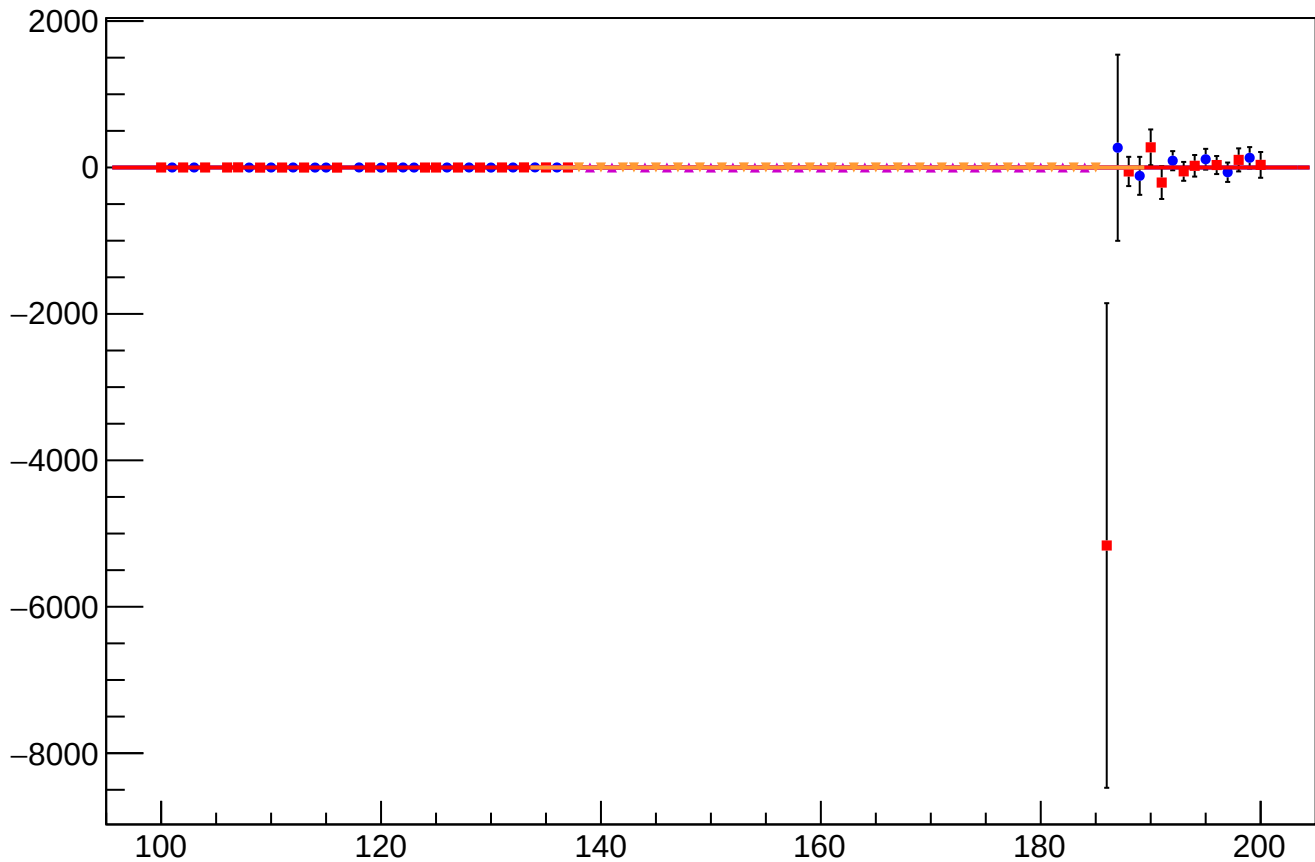
Left In: 4113.744 ± 0.700 χ^2/NDF : 354965.8/22

+ sign 19.258 ± 0.015 χ^2/NDF : 54583176.9/47

All: 19.072 ± 0.010 χ^2/NDF : 111538673.1/98

- 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: 17.8/22

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

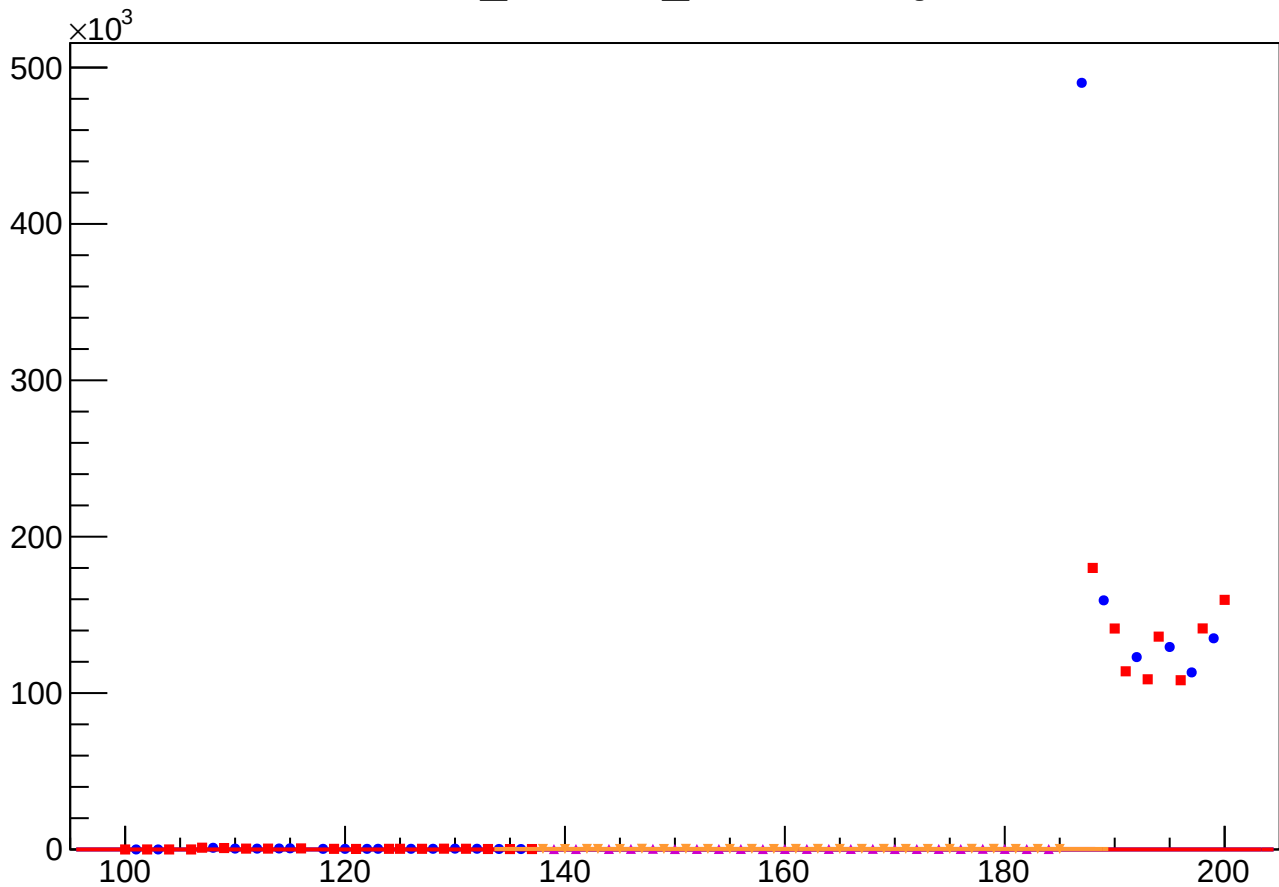
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 38.4/47

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 97.6/98

- 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 : 18518258.0/22

Left Out: 325.469 ± 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.728 ± 0.001 χ^2/NDF : 21428202.3/26

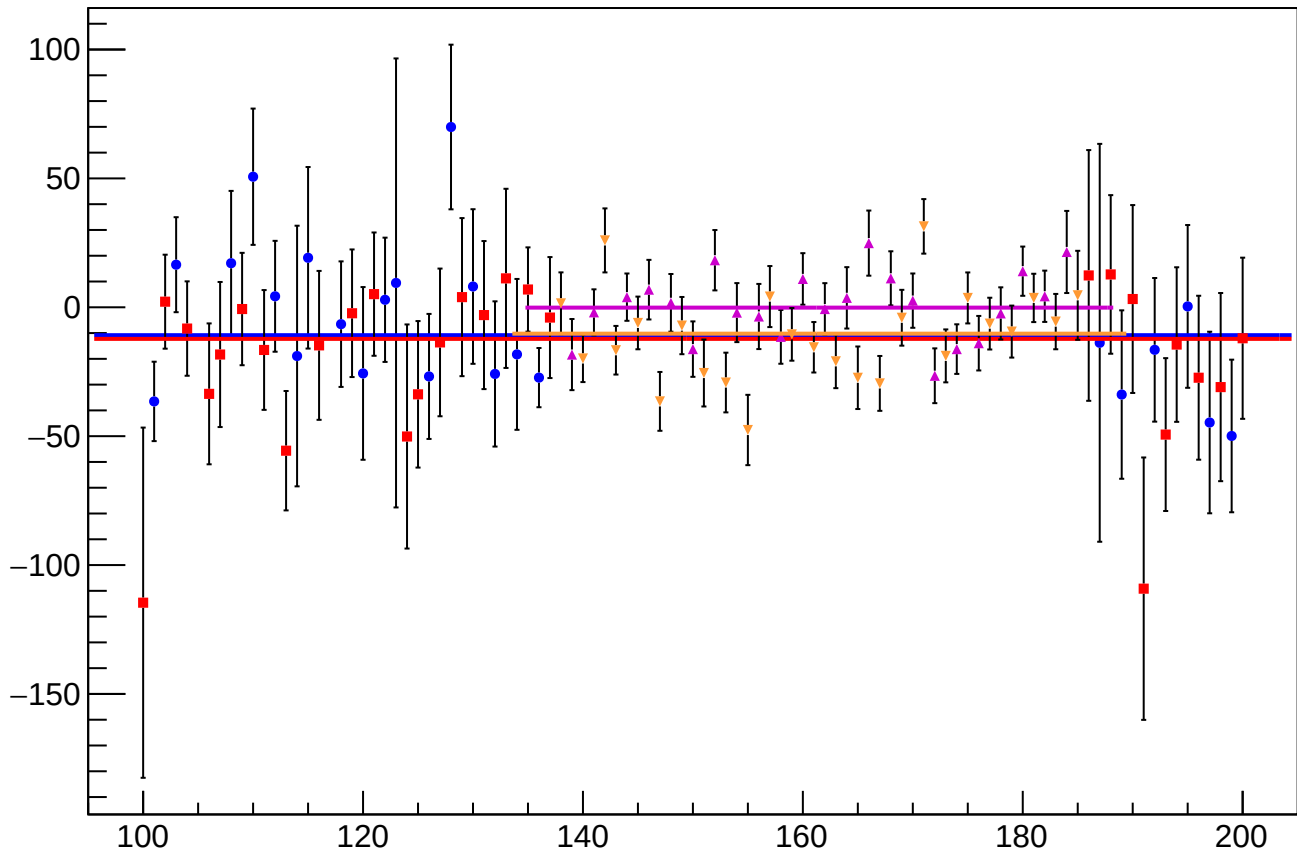
Left In: 325.201 ± 0.055 χ^2/NDF : 428069.7/22

+ sign 1.926 ± 0.001 χ^2/NDF : 54830608.9/47

All: 1.926 ± 0.001 χ^2/NDF : 110657859.8/97

- sign 1.926 ± 0.001 χ^2/NDF : 55827250.8/49

diff_bpm4aX_mean vs Slug



Right In: -10.819 ± 5.213 χ^2/NDF : 26.2/22

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -12.253 ± 5.097 χ^2/NDF : 18.6/27

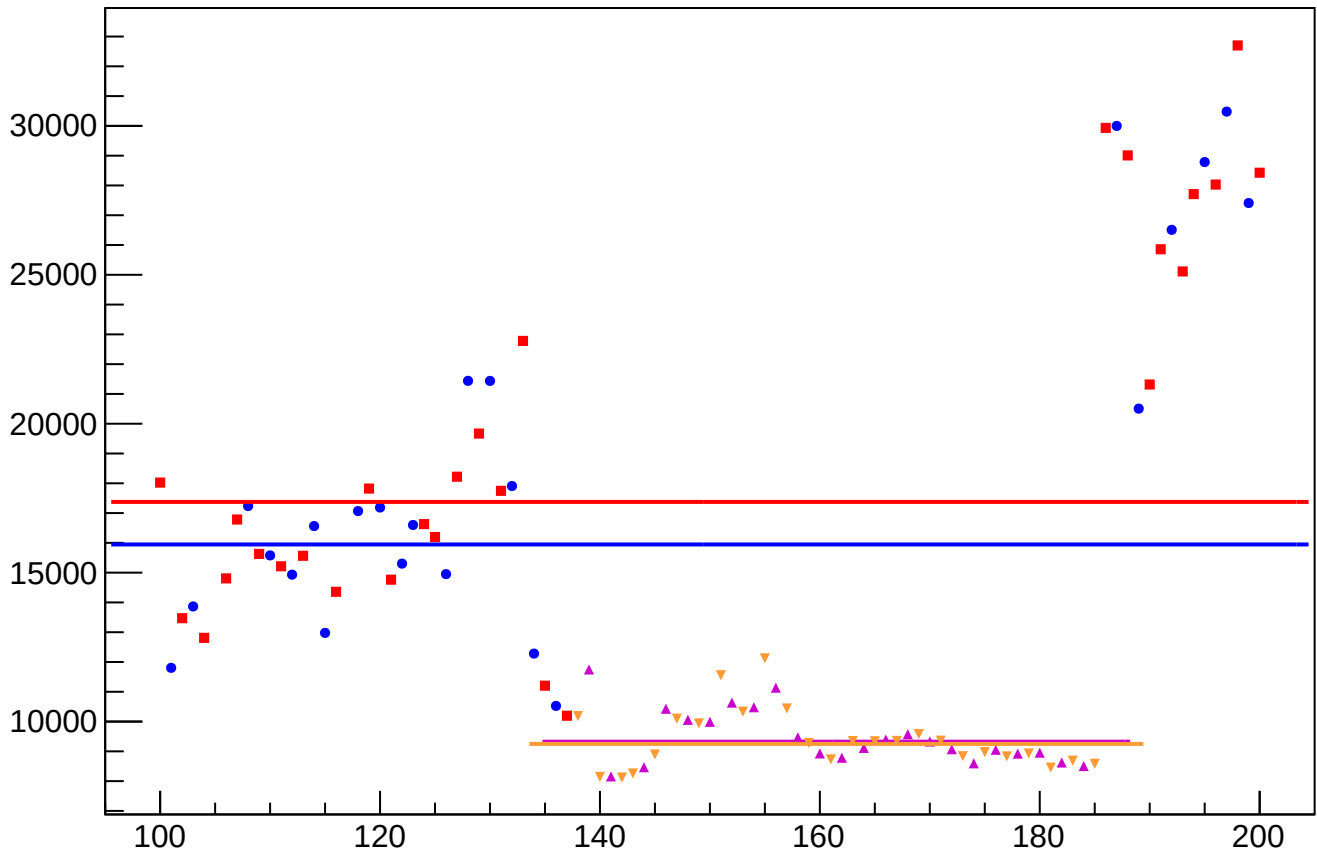
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.321 ± 2.001 χ^2/NDF : 84.2/47

All: -6.313 ± 1.433 χ^2/NDF : 145.6/98

- sign -2.096 ± 2.052 χ^2/NDF : 53.1/50

diff_bpm4aX_rms vs Slug



Right In: 15945.873+/-3.686 χ^2/NDF : 2182493.6/22

Left Out: 9249.358+/-1.532 χ^2/NDF :332003.4/24

Right Out: 17374.634+/-3.604 χ^2/NDF : 2560761.2/27

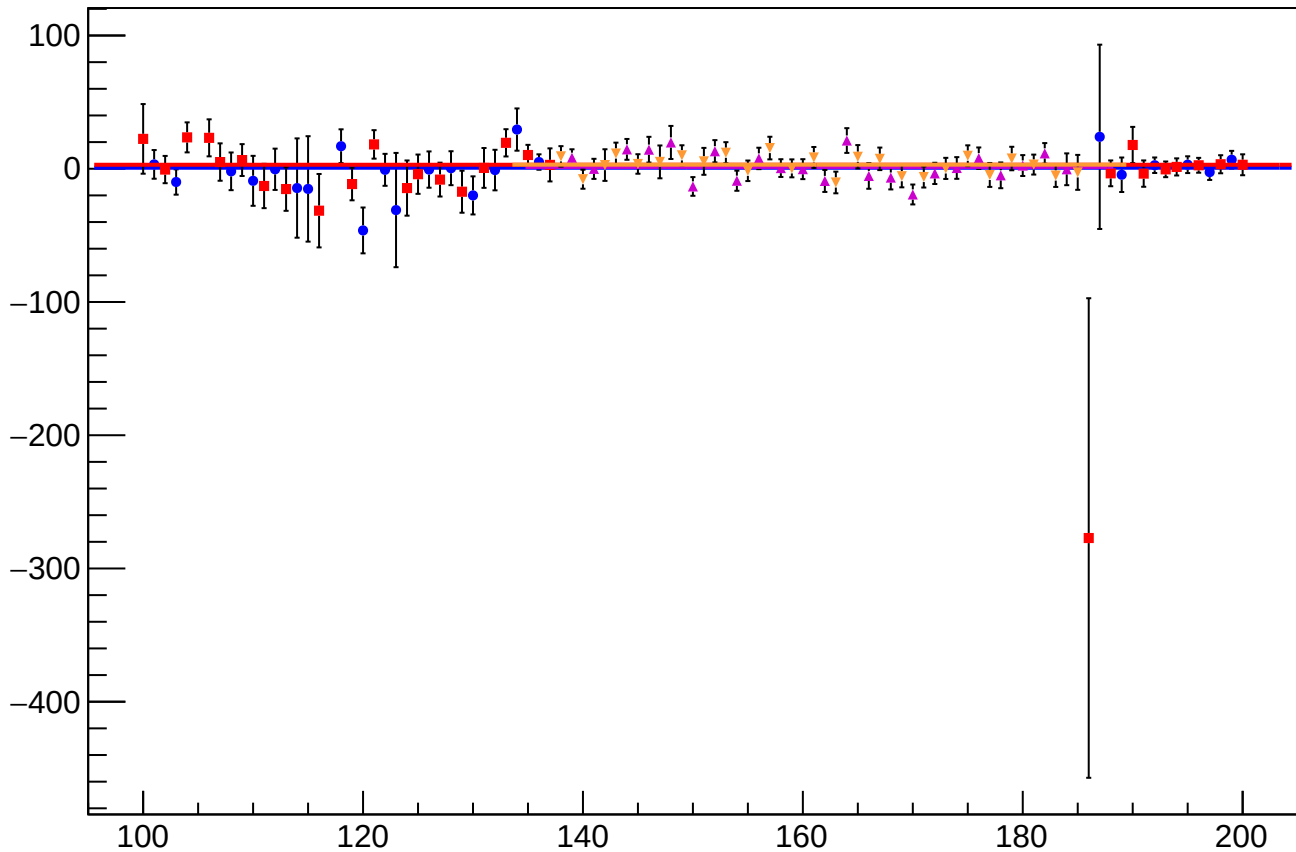
Left In: 9325.112+/-1.585 χ^2/NDF :280927.7/22

+ sign 10235.685+/-1.415 χ^2/NDF : 5328503.3/47

All: 10427.952+/-1.013 χ^2/NDF : 12387500.6

- sign 10630.278+/-1.451 χ^2/NDF : 7021091.2/50

diff_bpm4aY_mean vs Slug



Right In: 0.763 ± 2.145 χ^2/NDF : 19.2/22

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 3.003 ± 1.943 χ^2/NDF : 25.2/27

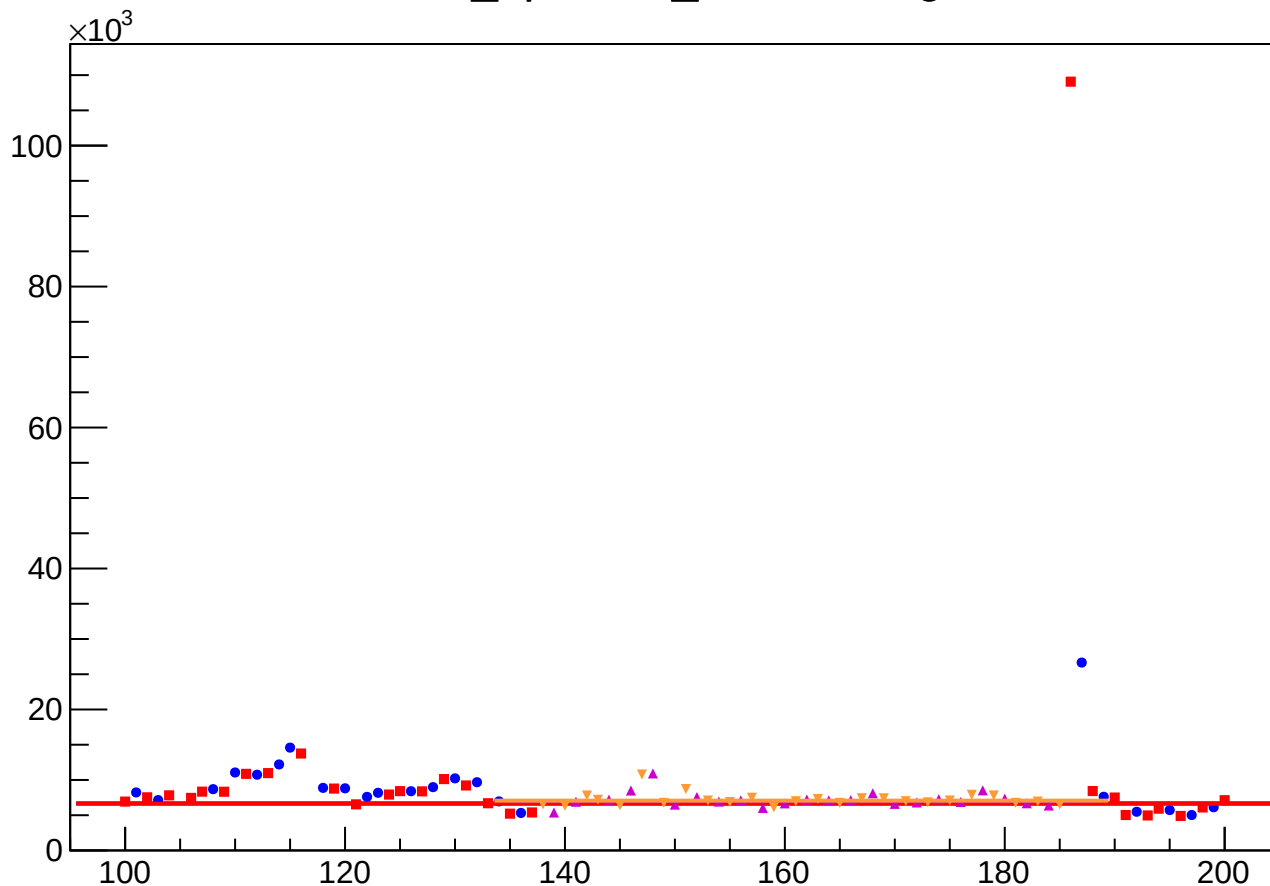
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.201 ± 1.312 χ^2/NDF : 38.2/47

All: 2.143 ± 0.915 χ^2/NDF : 99.2/98

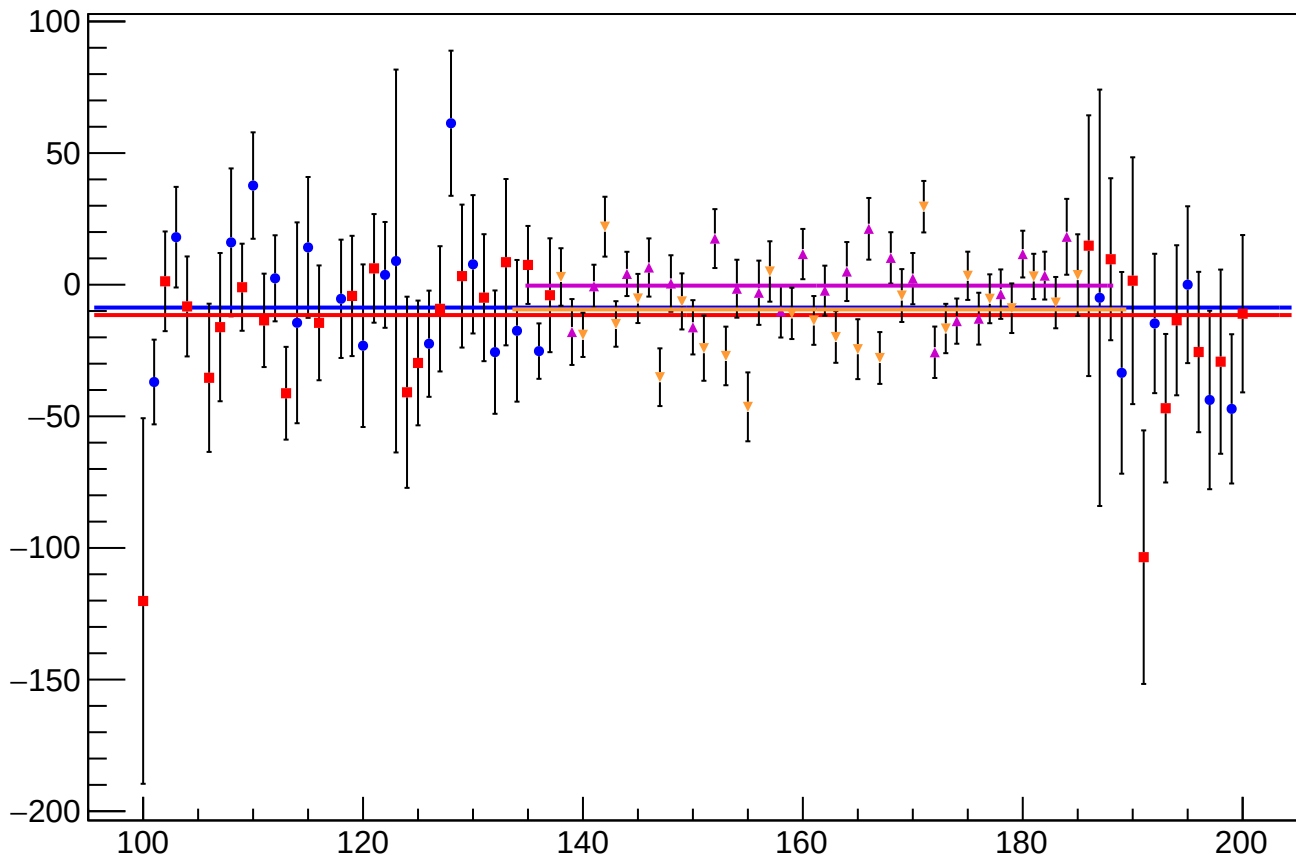
- sign 2.088 ± 1.277 χ^2/NDF : 61.0/50

diff_bpm4aY_rms vs Slug



Right In: 6680.264 ± 1.517 $\chi^2/\text{NDF}: 1450474.9/22$ + sign 6922.152 ± 0.928 $\chi^2/\text{NDF}: 1878572.0/47$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 6880.795 ± 0.647 $\chi^2/\text{NDF}: 4554035.5/98$
 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: -8.684 ± 4.725 χ^2/NDF : 26.9/22

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -11.536 ± 4.581 χ^2/NDF : 18.1/27

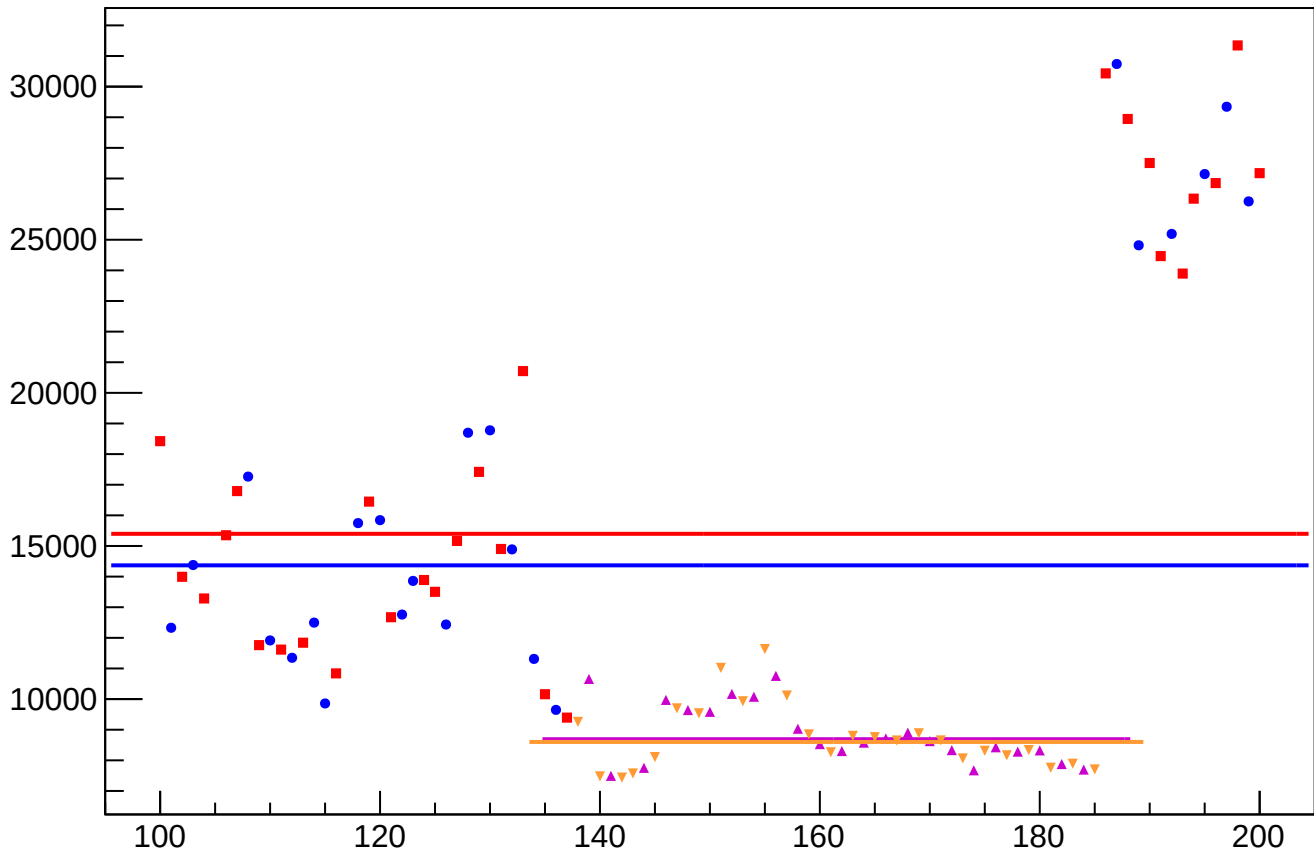
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.269 ± 1.856 χ^2/NDF : 85.3/47

All: -5.865 ± 1.329 χ^2/NDF : 144.9/98

- sign -2.283 ± 1.903 χ^2/NDF : 52.7/50

diff_bpm4eX_rms vs Slug



Right In: 14367.637+/-3.341 χ^2/NDF : 2469159.2/22

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 15397.137+/-3.239 χ^2/NDF : 3190598.0/27

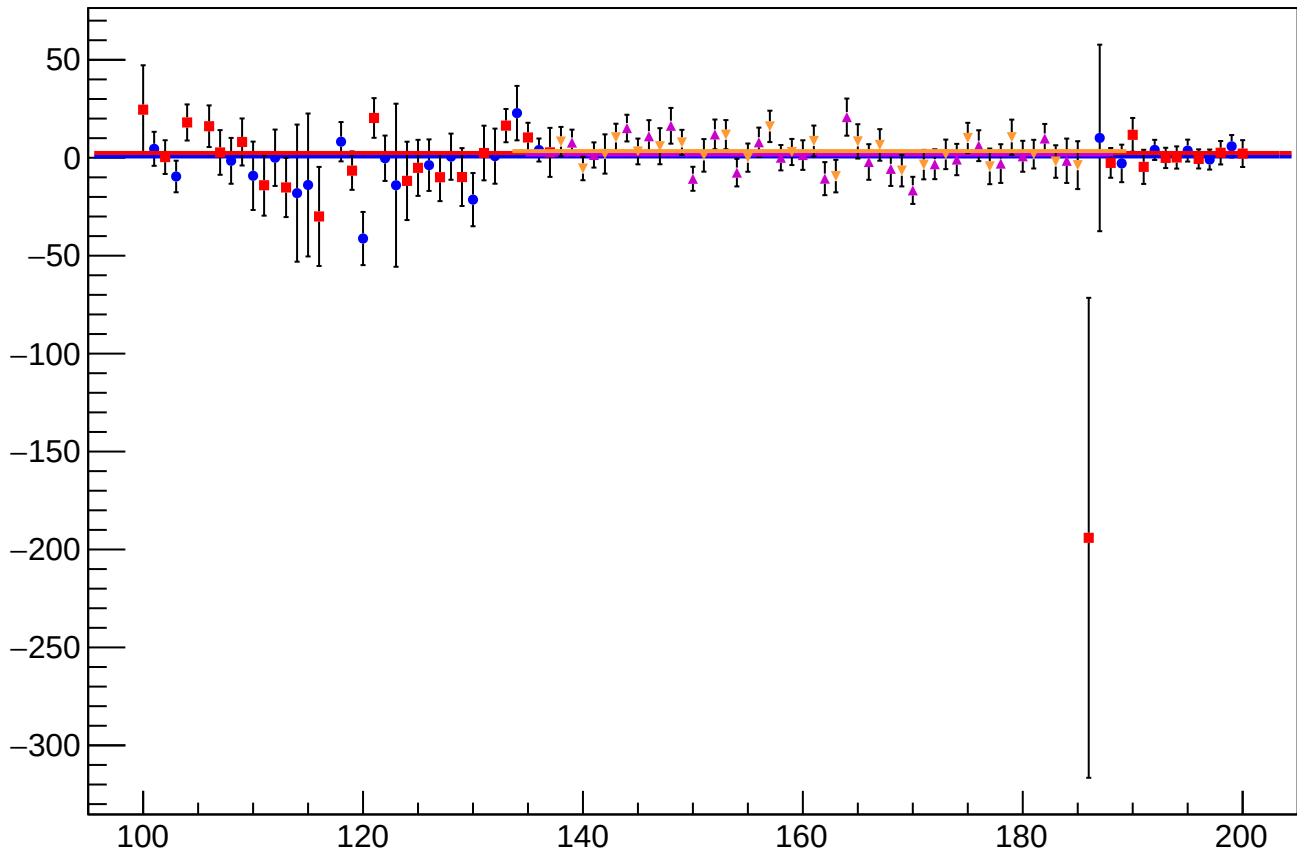
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 9490.029+/-1.312 χ^2/NDF : 5427611.4/47

All: 9664.306+/-0.939 χ^2/NDF : 12571972.7/9

- sign 9847.624+/-1.346 χ^2/NDF : 7108163.5/50

diff_bpm4eY_mean vs Slug



Right In: 0.651 $\pm$ 1.903 χ^2/NDF : 20.2/22

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

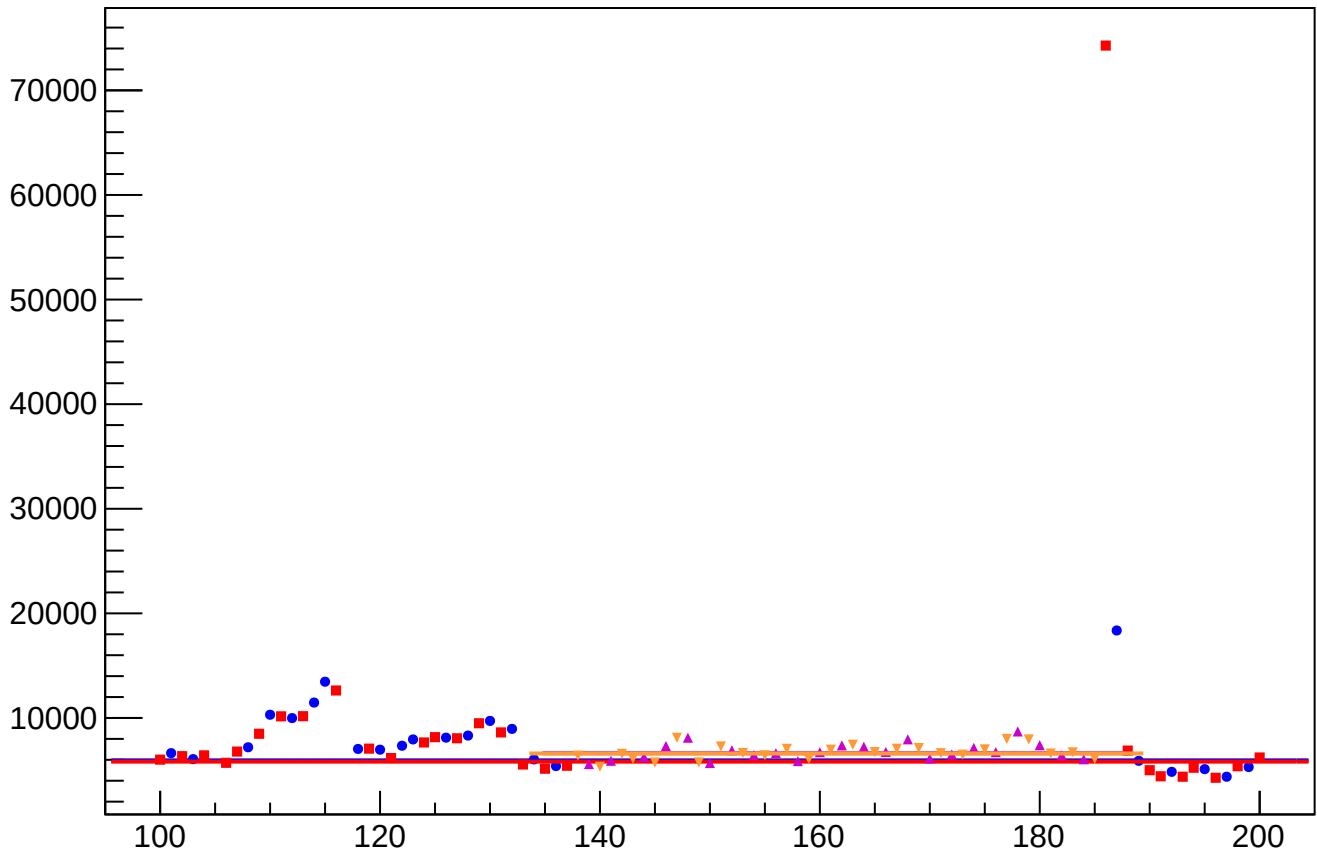
Left In: 1.627 $\pm$ 1.599 χ^2/NDF : 33.5/22

+ sign 2.307 $\pm$ 1.202 χ^2/NDF : 38.3/47

All: 2.155 $\pm$ 0.836 χ^2/NDF : 97.7/98

- sign 2.013 $\pm$ 1.165 χ^2/NDF : 59.4/50

diff_bpm4eY_rms vs Slug



Right In: 5946.427+/-1.346 χ^2/NDF : 1404110.4/22

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 5826.181+/-1.202 χ^2/NDF : 2114988.8/27

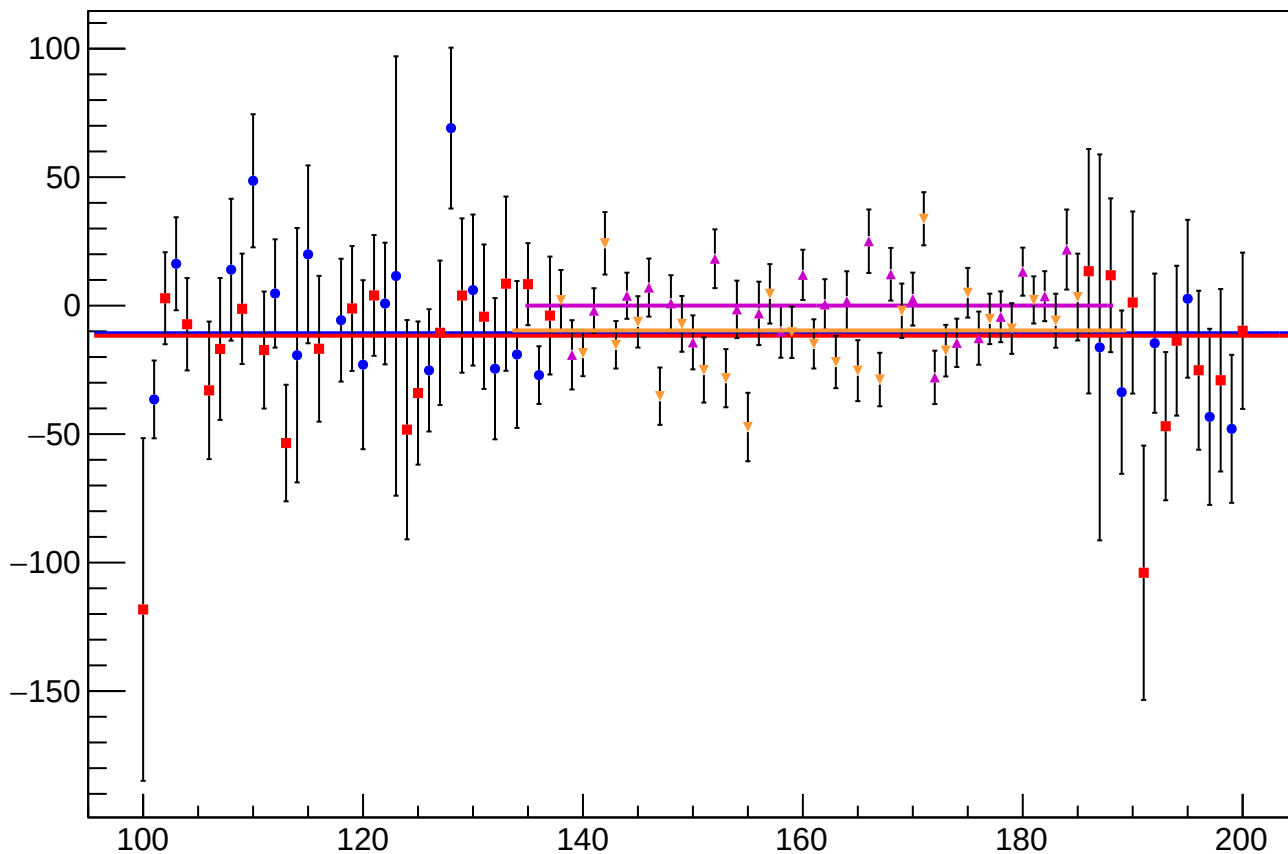
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6343.512+/-0.850 χ^2/NDF : 1947413.7/47

All: 6296.231+/-0.591 χ^2/NDF : 4735182.9/98

- sign 6251.843+/-0.824 χ^2/NDF : 2781769.4/50

diff_bpm4acX_mean vs Slug



Right In: -10.749 ± 5.104 χ^2/NDF : 26.0/22

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -11.706 ± 4.989 χ^2/NDF : 18.5/27

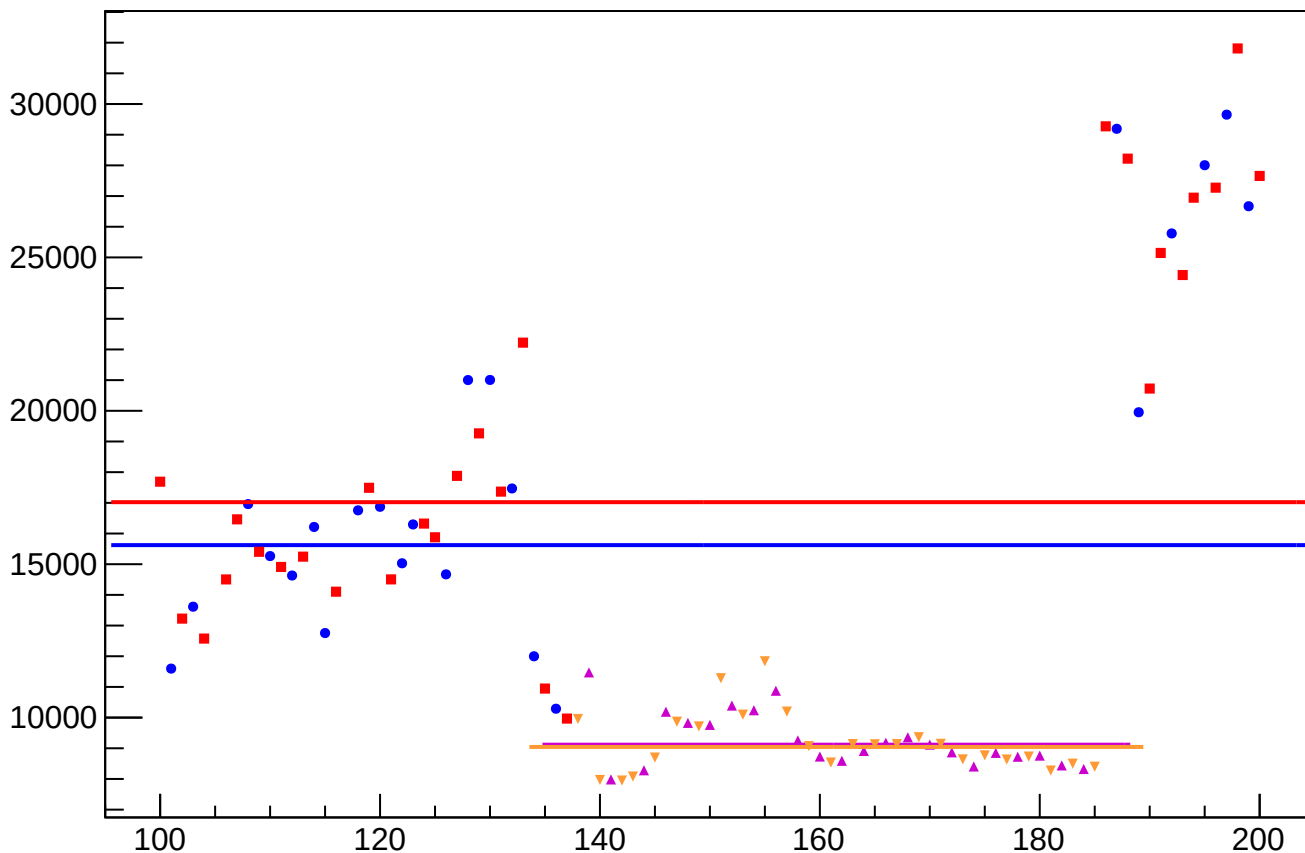
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.810 ± 1.956 χ^2/NDF : 85.8/47

All: -5.945 ± 1.401 χ^2/NDF : 147.6/98

- sign -1.878 ± 2.007 χ^2/NDF : 53.7/50

diff_bpm4acX_rms vs Slug



Right In: 15621.748 $\pm$ 3.609 χ^2 /NDF: 2158529.8/22

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

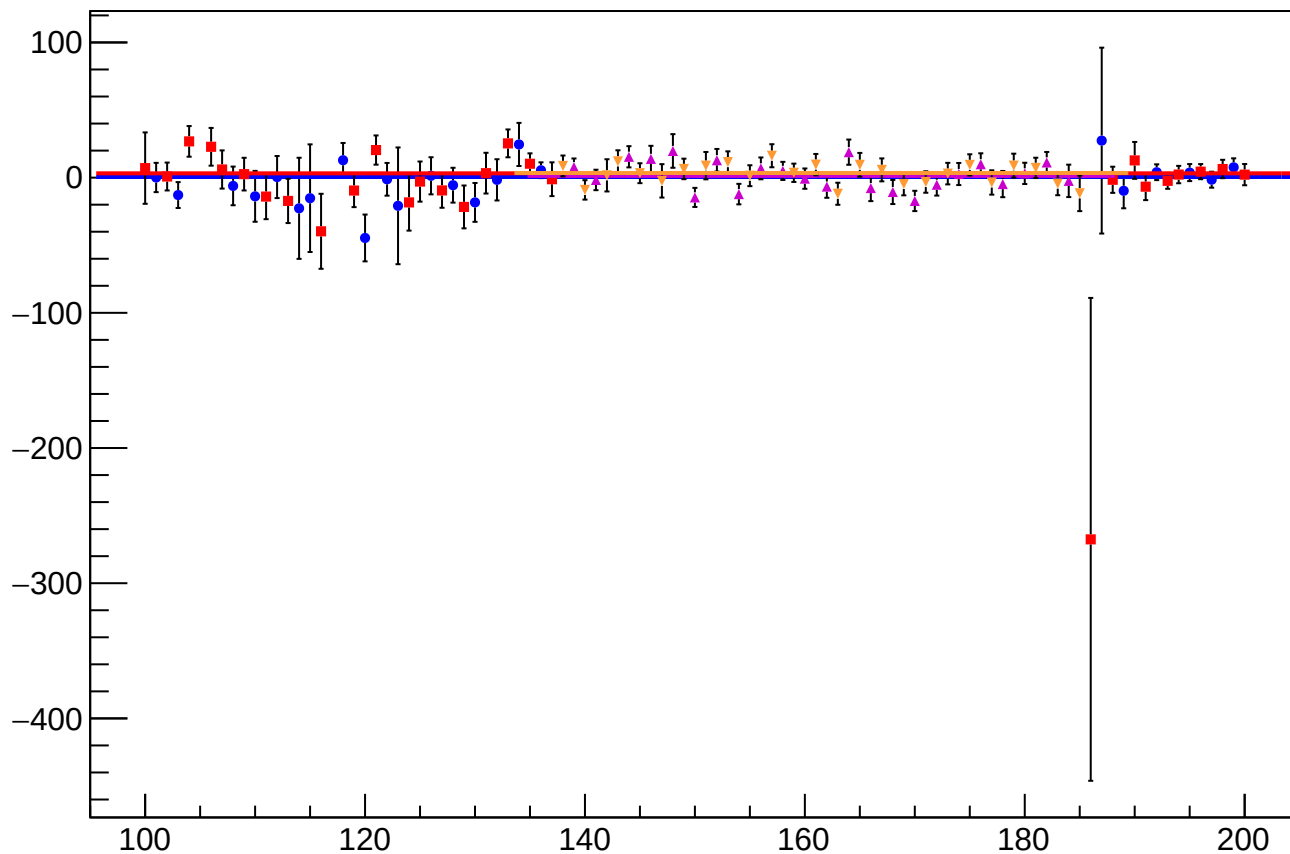
Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

+ sign 10010.049 $\pm$ 1.383 χ^2 /NDF: 5320892.5/47

All: 10198.033 $\pm$ 0.991 χ^2 /NDF: 12367337.8

- sign 10395.833 $\pm$ 1.419 χ^2 /NDF: 7008551.9/50

diff_bpm4acY_mean vs Slug



Right In: 0.477 ± 2.155 χ^2/NDF : 18.9/22

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 3.189 ± 1.952 χ^2/NDF : 30.5/27

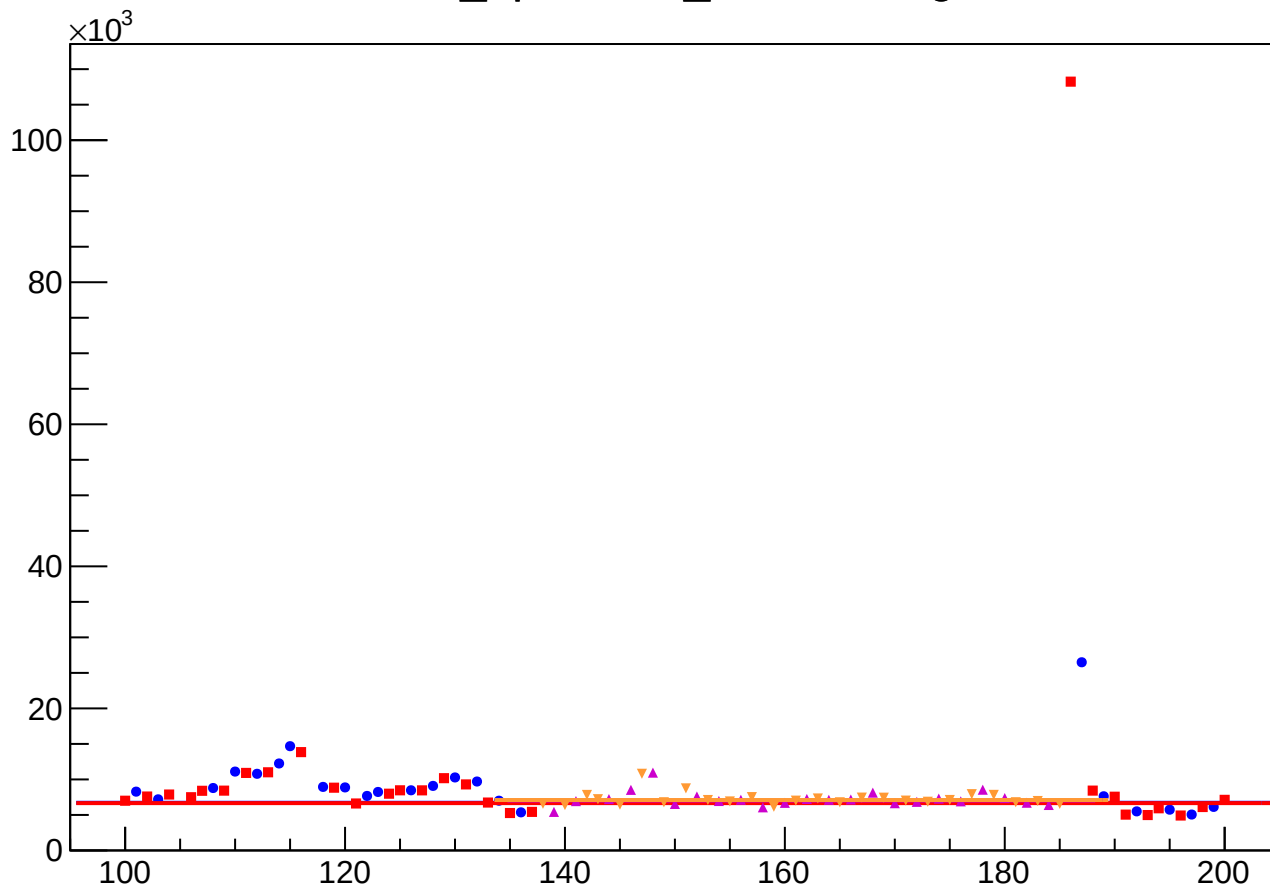
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.331 ± 1.318 χ^2/NDF : 39.0/47

All: 2.217 ± 0.919 χ^2/NDF : 106.6/98

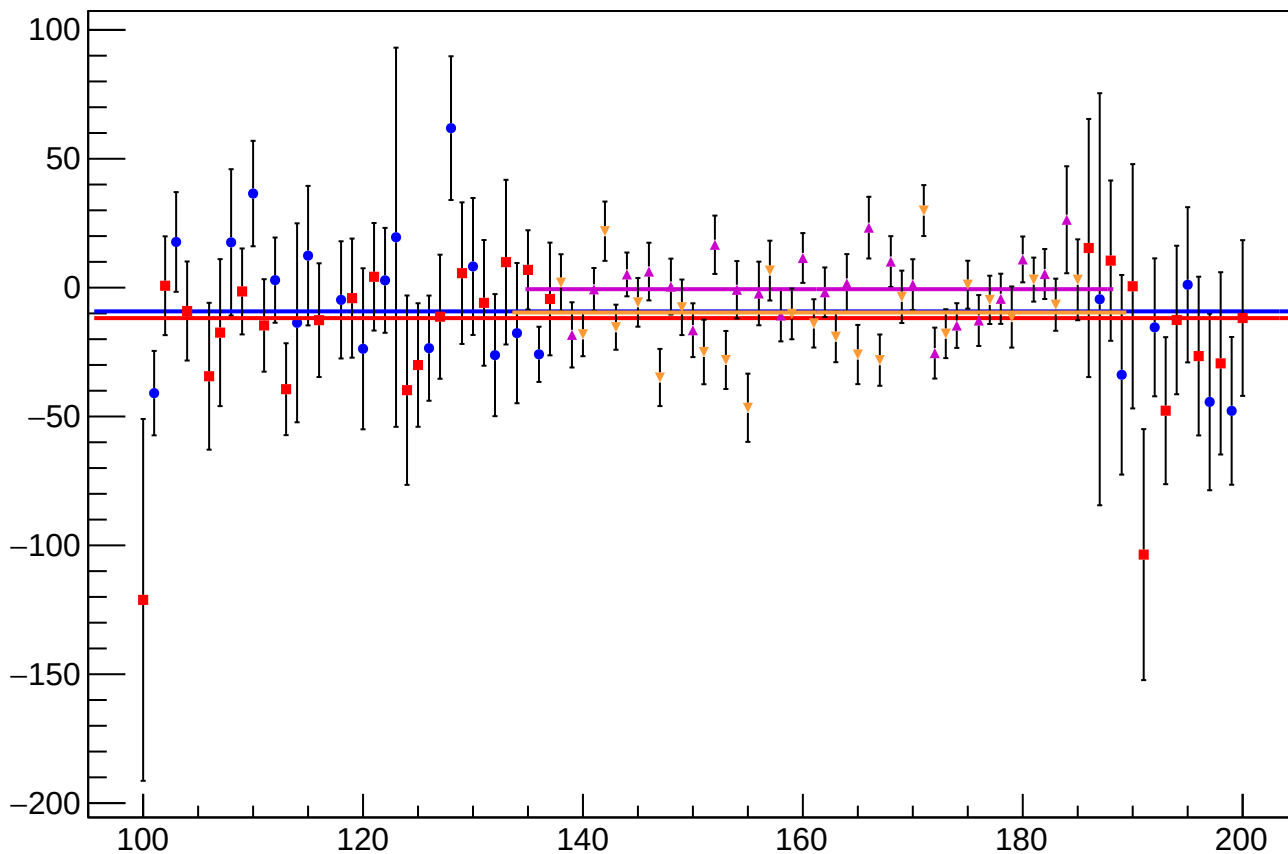
- sign 2.110 ± 1.282 χ^2/NDF : 67.6/50

diff_bpm4acY_rms vs Slug



Right In: 6711.620 ± 1.524 $\chi^2/\text{NDF}: 1457499.7/22$ + sign 6953.911 ± 0.932 $\chi^2/\text{NDF}: 1880440.6/47$
 Left Out: 7098.726 ± 1.178 $\chi^2/\text{NDF}: 382550.4/24$ All: 6913.077 ± 0.650 $\chi^2/\text{NDF}: 4550005.5/98$
 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: -9.205 ± 4.787 $\chi^2/\text{NDF}: 27.4/22$

Left Out: -9.640 ± 2.057 $\chi^2/\text{NDF}: 57.6/24$

Right Out: -11.831 ± 4.644 $\chi^2/\text{NDF}: 17.2/27$

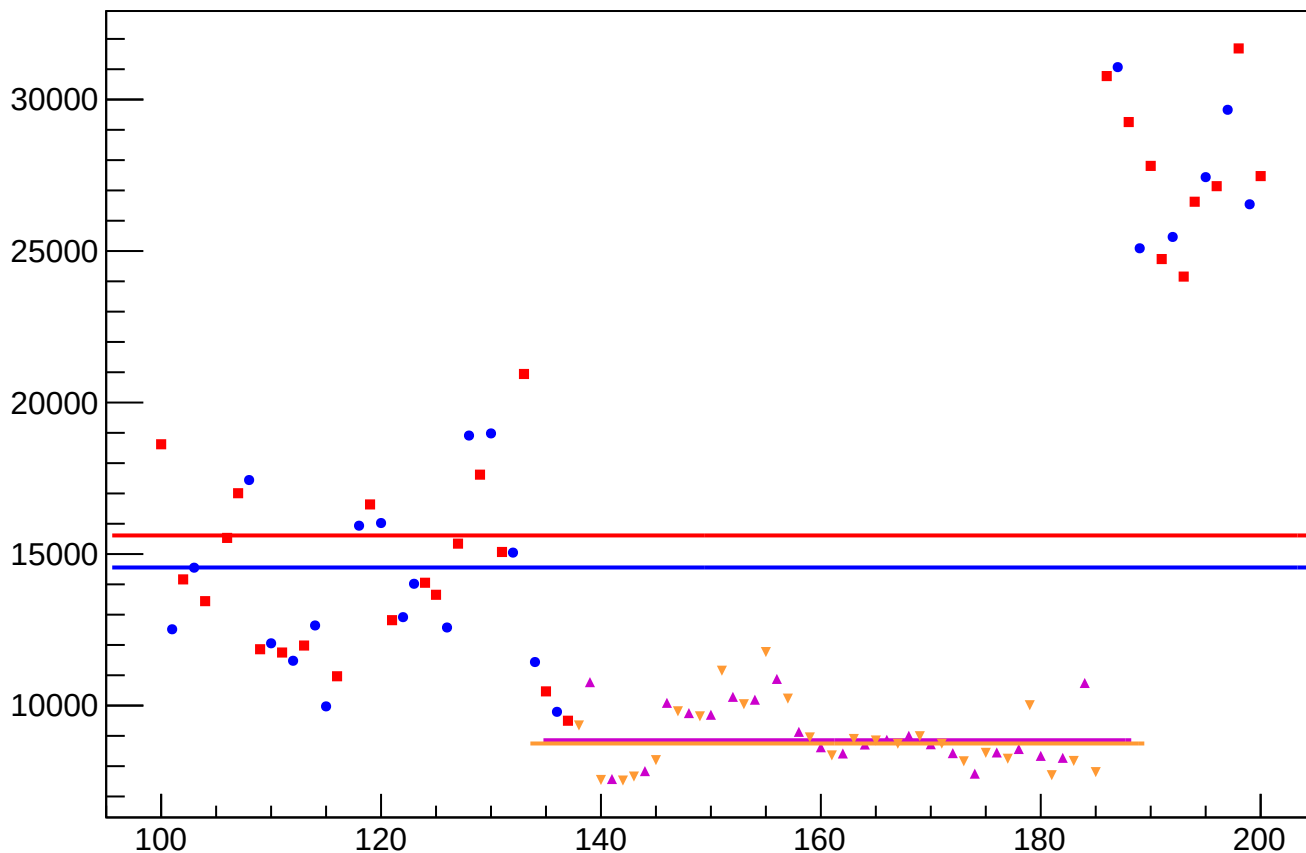
Left In: -0.599 ± 2.135 $\chi^2/\text{NDF}: 29.7/22$

+ sign -9.572 ± 1.890 $\chi^2/\text{NDF}: 85.1/47$

All: -6.157 ± 1.354 $\chi^2/\text{NDF}: 143.5/98$

- sign -2.559 ± 1.940 $\chi^2/\text{NDF}: 51.7/50$

diff_bpm4ecX_rms vs Slug



Right In: 14556.964 $\pm$ 3.385 χ^2 /NDF: 2454091.9/22

Left Out: 8748.407 $\pm$ 1.455 χ^2 /NDF:463394.1/24

Right Out: 15613.975 $\pm$ 3.284 χ^2 /NDF: 3160001.4/27

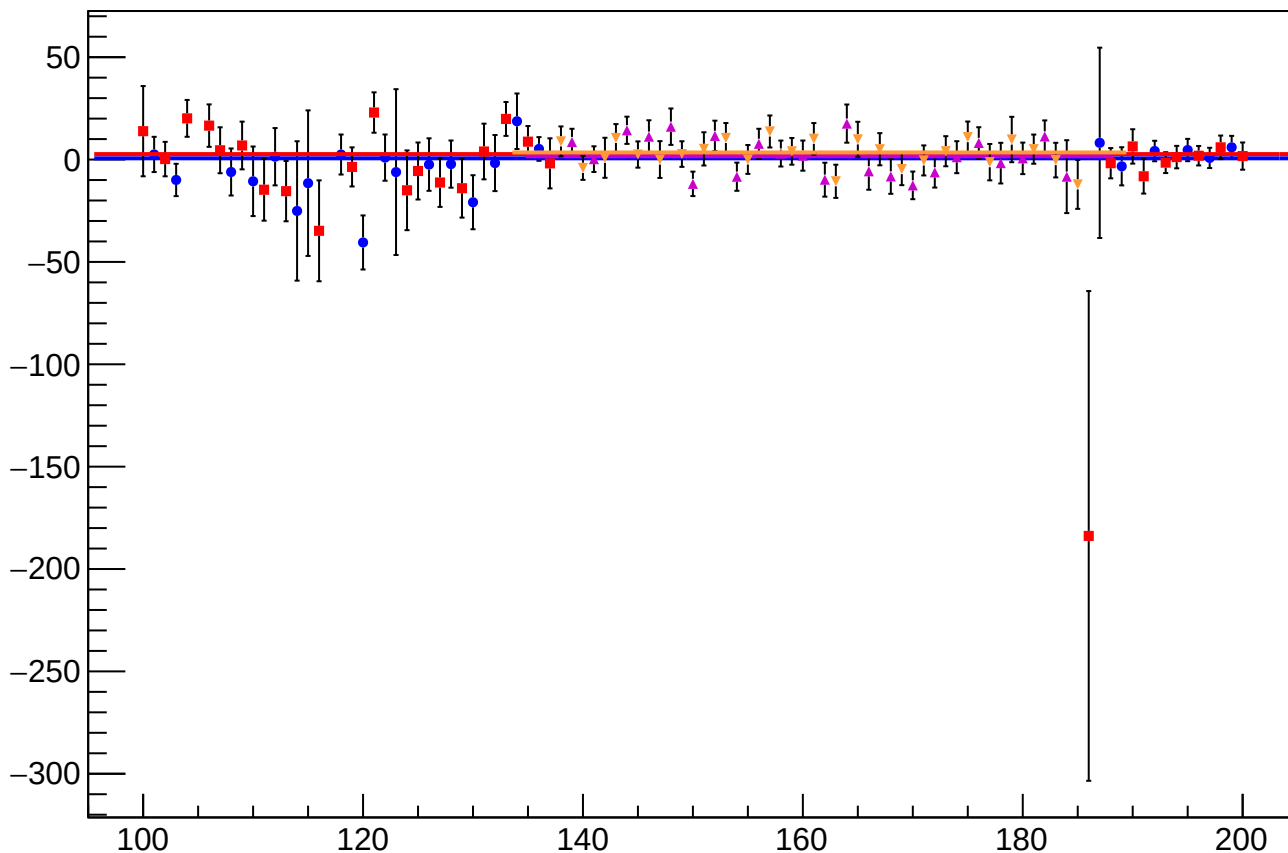
Left In: 8855.591 $\pm$ 1.510 χ^2 /NDF:367542.7/22

+ sign 9654.036 $\pm$ 1.336 χ^2 /NDF: 5403304.3/47

All: 9839.471 $\pm$ 0.957 χ^2 /NDF: 12467041.2/50

- sign 10034.798 $\pm$ 1.372 χ^2 /NDF: 7024208.7/50

diff_bpm4ecY_mean vs Slug



Right In: 0.598 ± 1.856 χ^2/NDF : 20.4/22

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 2.670 ± 1.657 χ^2/NDF : 30.6/27

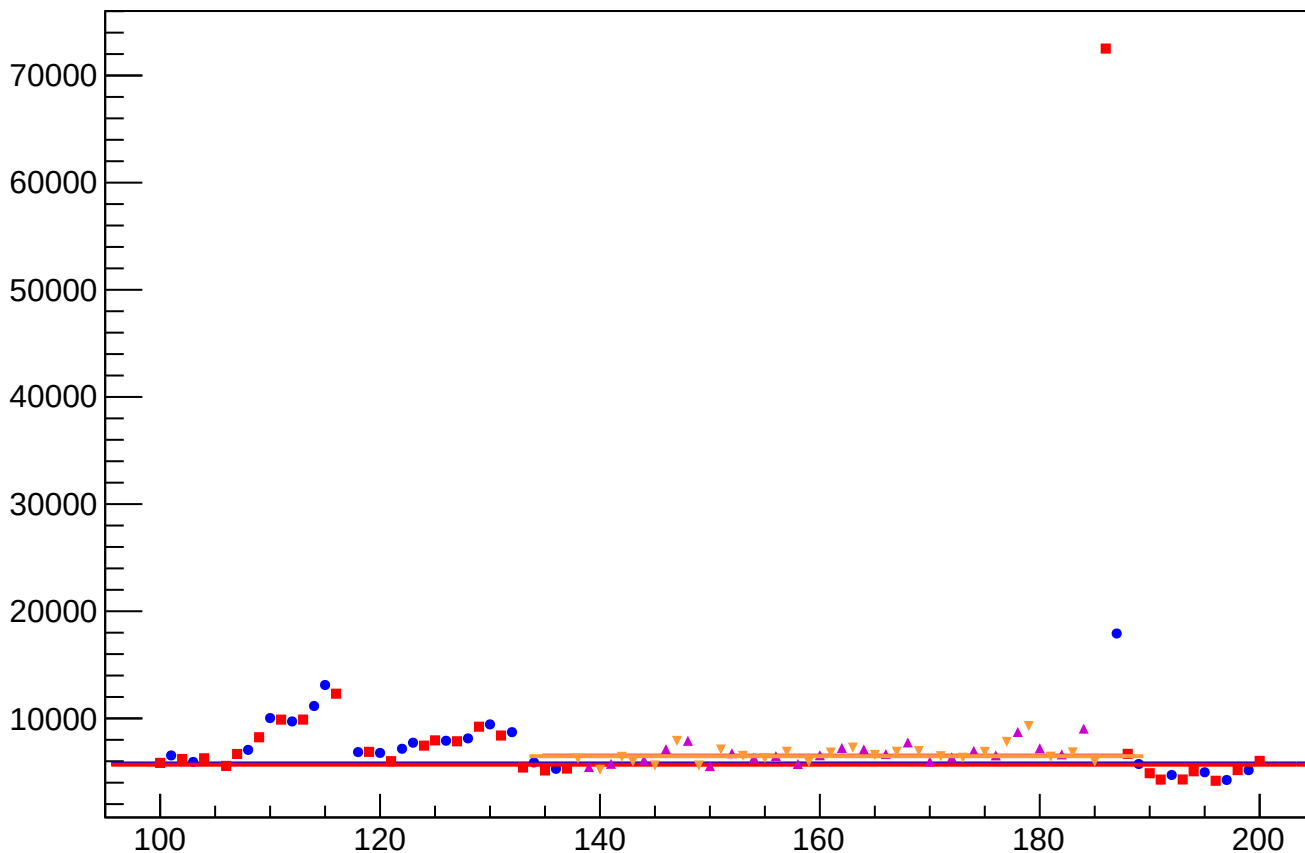
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.315 ± 1.178 χ^2/NDF : 37.6/47

All: 2.219 ± 0.820 χ^2/NDF : 102.2/98

- sign 2.129 ± 1.143 χ^2/NDF : 64.5/50

diff_bpm4ecY_rms vs Slug



Right In: 5794.548+/-1.312 χ^2/NDF : 1413489.9/22

Left Out: 6471.976+/-1.078 χ^2/NDF : 490282.9/24

Right Out: 5678.349+/-1.172 χ^2/NDF : 2105288.6/27

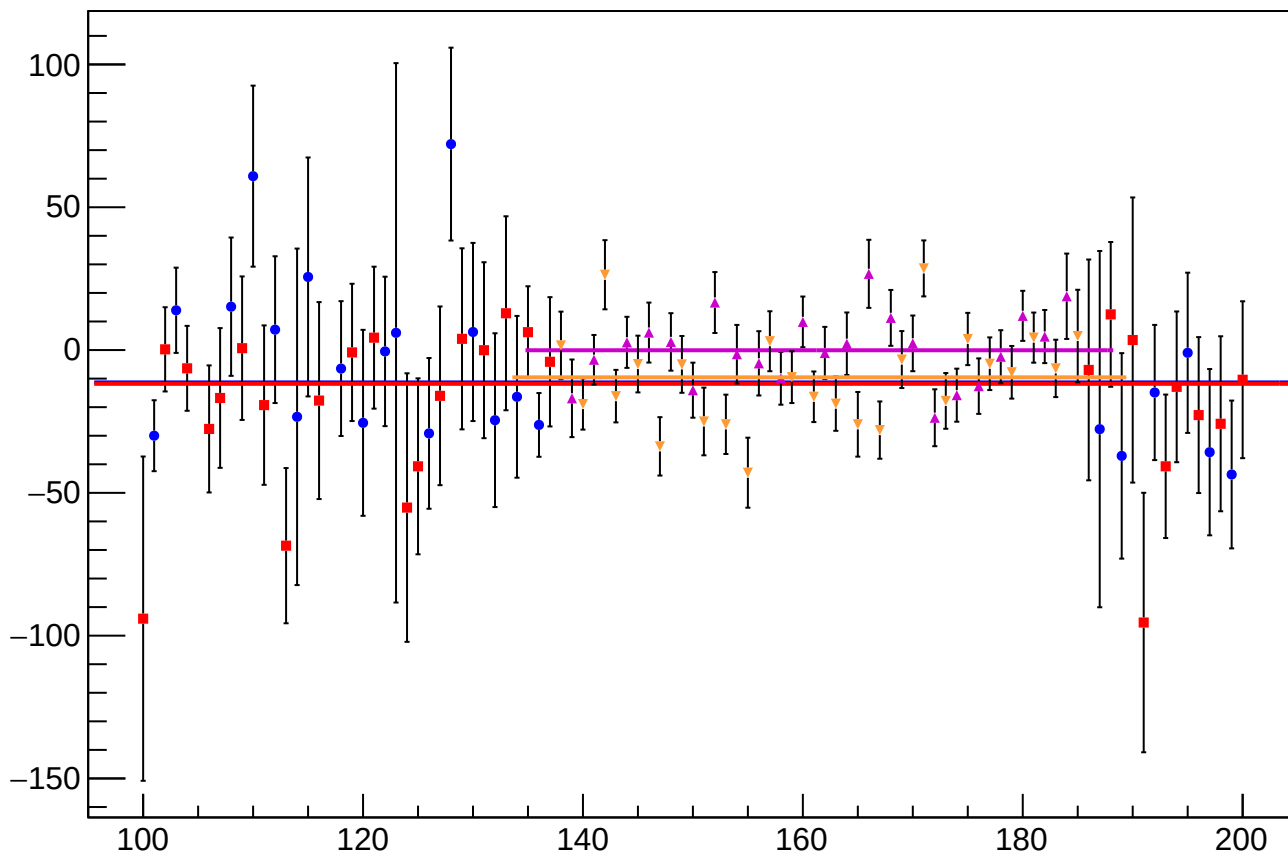
Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22

+ sign 6199.091+/-0.833 χ^2/NDF : 2062895.2/47

All: 6158.792+/-0.580 χ^2/NDF : 4924593.6/98

- sign 6120.863+/-0.808 χ^2/NDF : 2857154.2/50

diff_bpm1X_mean vs Slug



Right In: -11.336 ± 4.950 χ^2/NDF : 25.2/22

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -11.822 ± 4.841 χ^2/NDF : 18.9/27

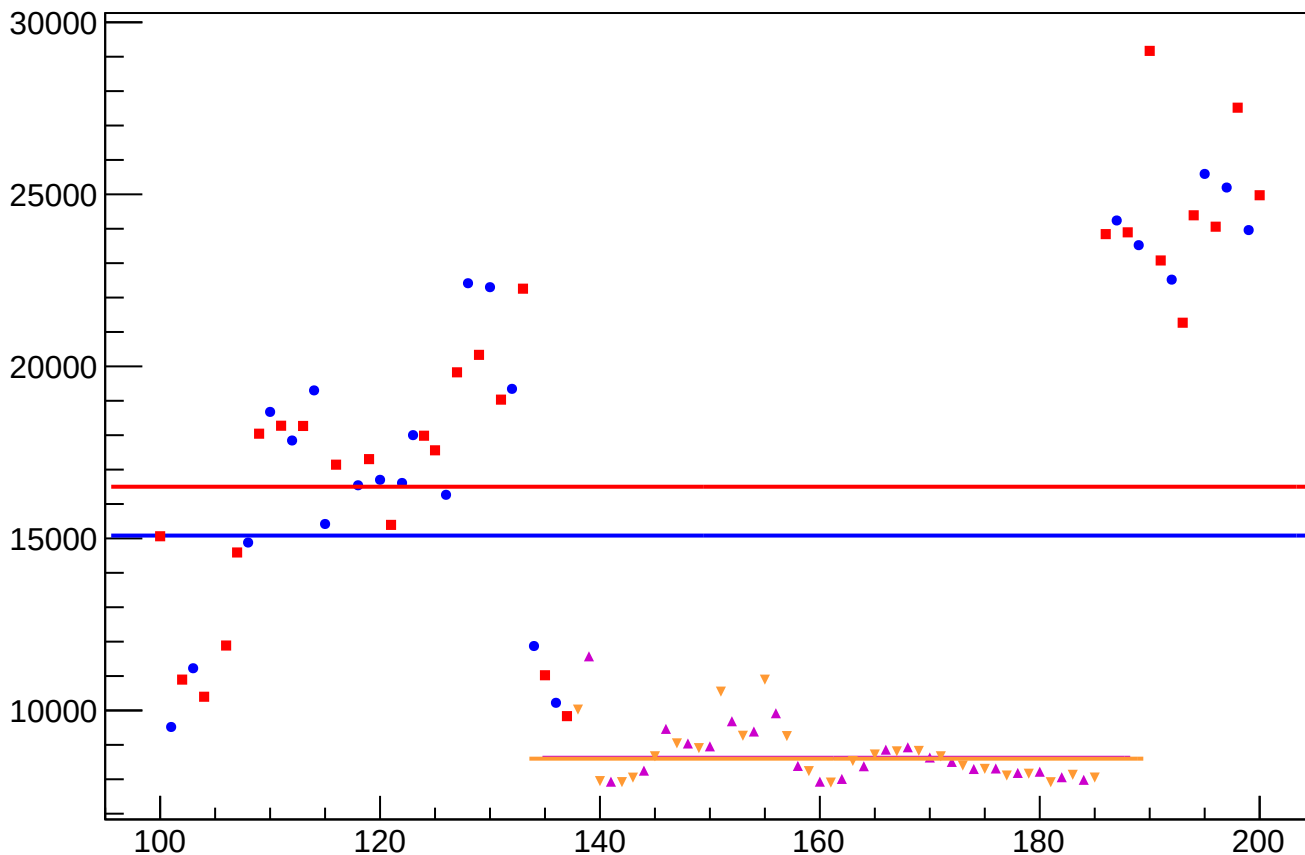
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.807 ± 1.864 χ^2/NDF : 84.8/47

All: -5.937 ± 1.332 χ^2/NDF : 147.4/98

- sign -1.892 ± 1.905 χ^2/NDF : 53.7/50

diff_bpm1X_rms vs Slug



Right In: 15082.928+/-3.500 χ^2/NDF : 2373765.3/22

Left Out: 8598.983+/-1.423 χ^2/NDF : 249070.5/24

Right Out: 16502.442+/-3.423 χ^2/NDF : 2555818.8/27

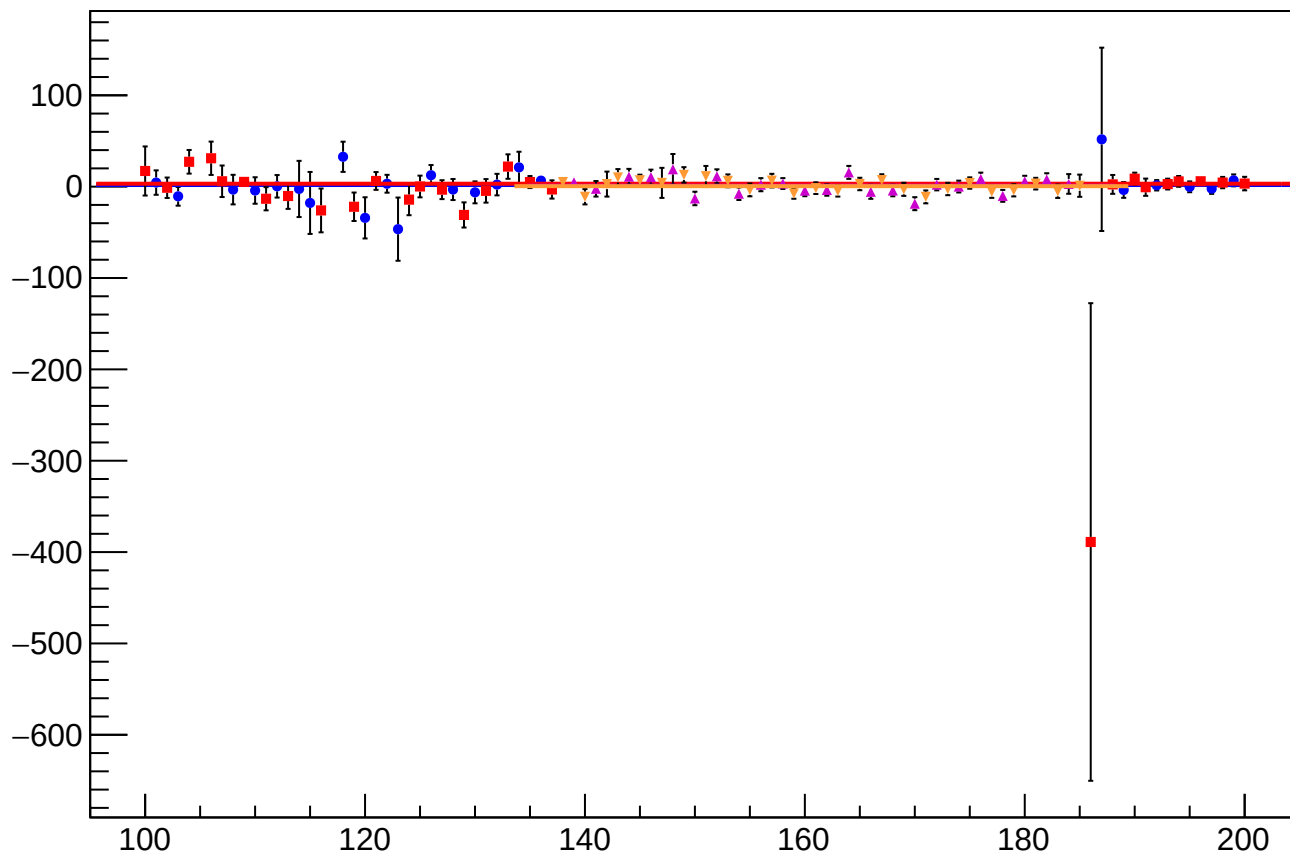
Left In: 8625.233+/-1.466 χ^2/NDF : 237310.9/22

+ sign 9518.230+/-1.318 χ^2/NDF : 5568266.4/47

All: 9678.329+/-0.942 χ^2/NDF : 12866990.3/50

- sign 9845.674+/-1.347 χ^2/NDF : 7268538.2/50

diff_bpm1Y_mean vs Slug



Right In: 1.788 $\pm$ 1.968 χ^2 /NDF: 16.0/22

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

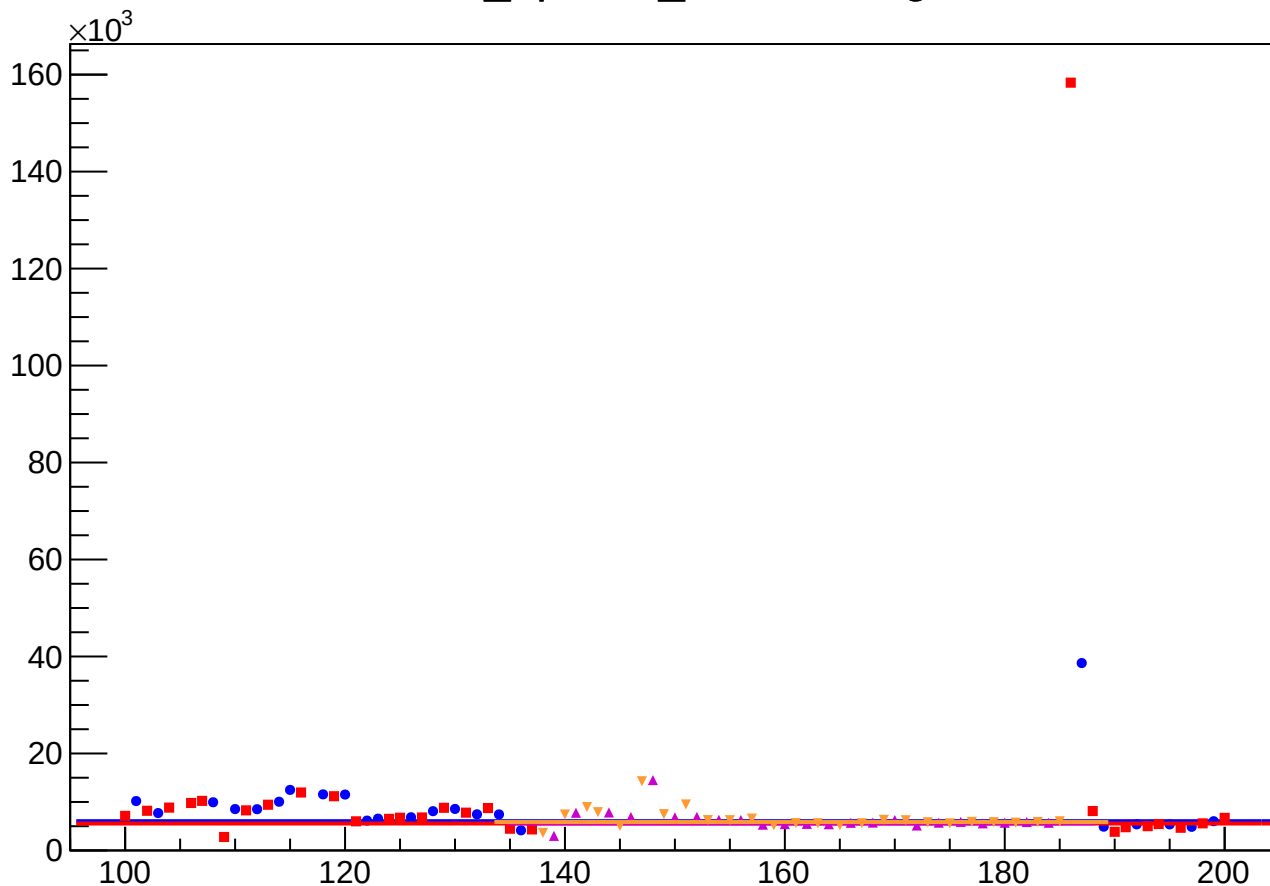
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.958 $\pm$ 1.150 χ^2 /NDF: 35.7/47

All: 1.471 $\pm$ 0.787 χ^2 /NDF: 96.8/98

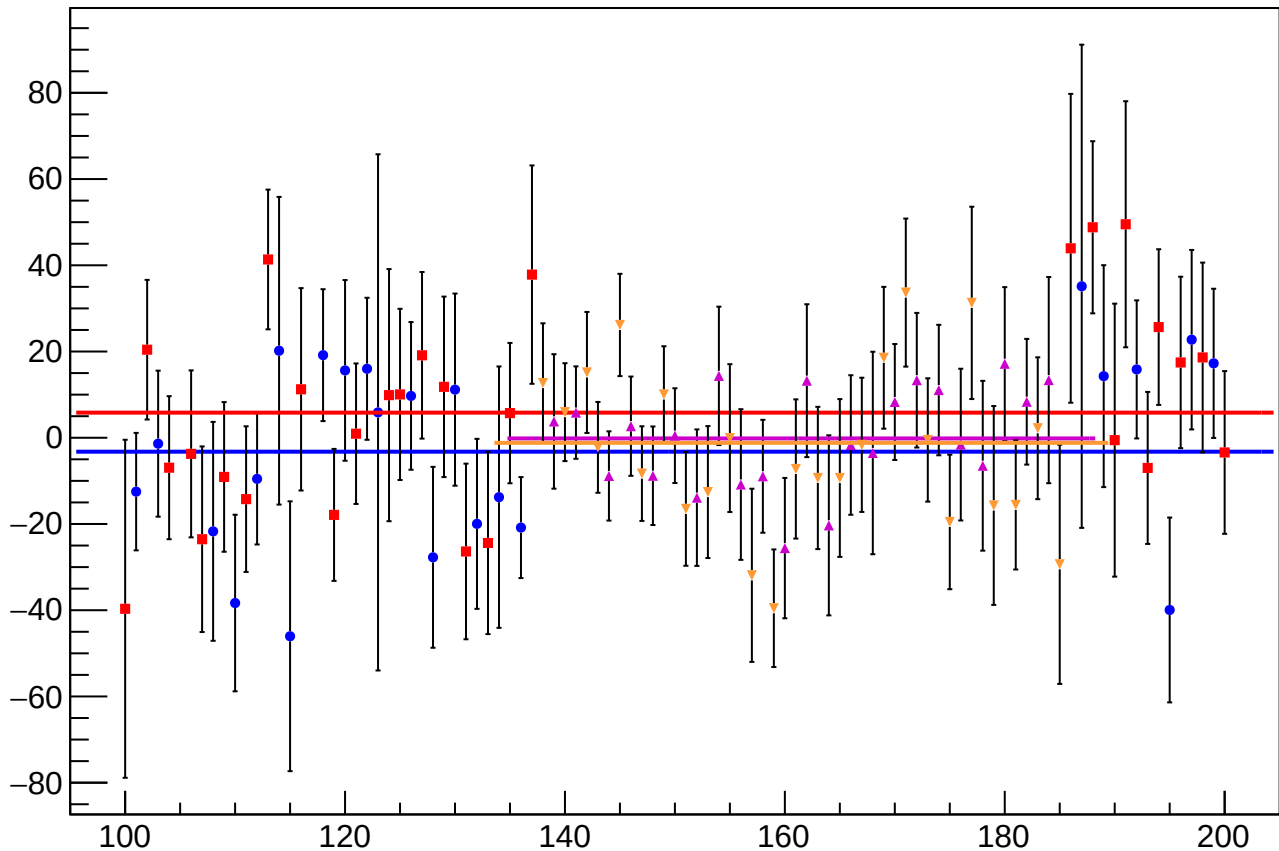
- sign 1.922 $\pm$ 1.078 χ^2 /NDF: 60.8/50

diff_bpm1Y_rms vs Slug



Right In: 6037.747 ± 1.392 $\chi^2/\text{NDF}: 1886274.9/22$ + sign 5921.114 ± 0.813 $\chi^2/\text{NDF}: 3586991.2/47$
 Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$ All: 5731.998 ± 0.556 $\chi^2/\text{NDF}: 9236744.4/98$
 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: -3.232 ± 4.027 $\chi^2/\text{NDF}: 24.5/22$

Left Out: -1.182 ± 2.939 $\chi^2/\text{NDF}: 33.7/24$

Right Out: 5.823 ± 3.746 $\chi^2/\text{NDF}: 31.9/27$

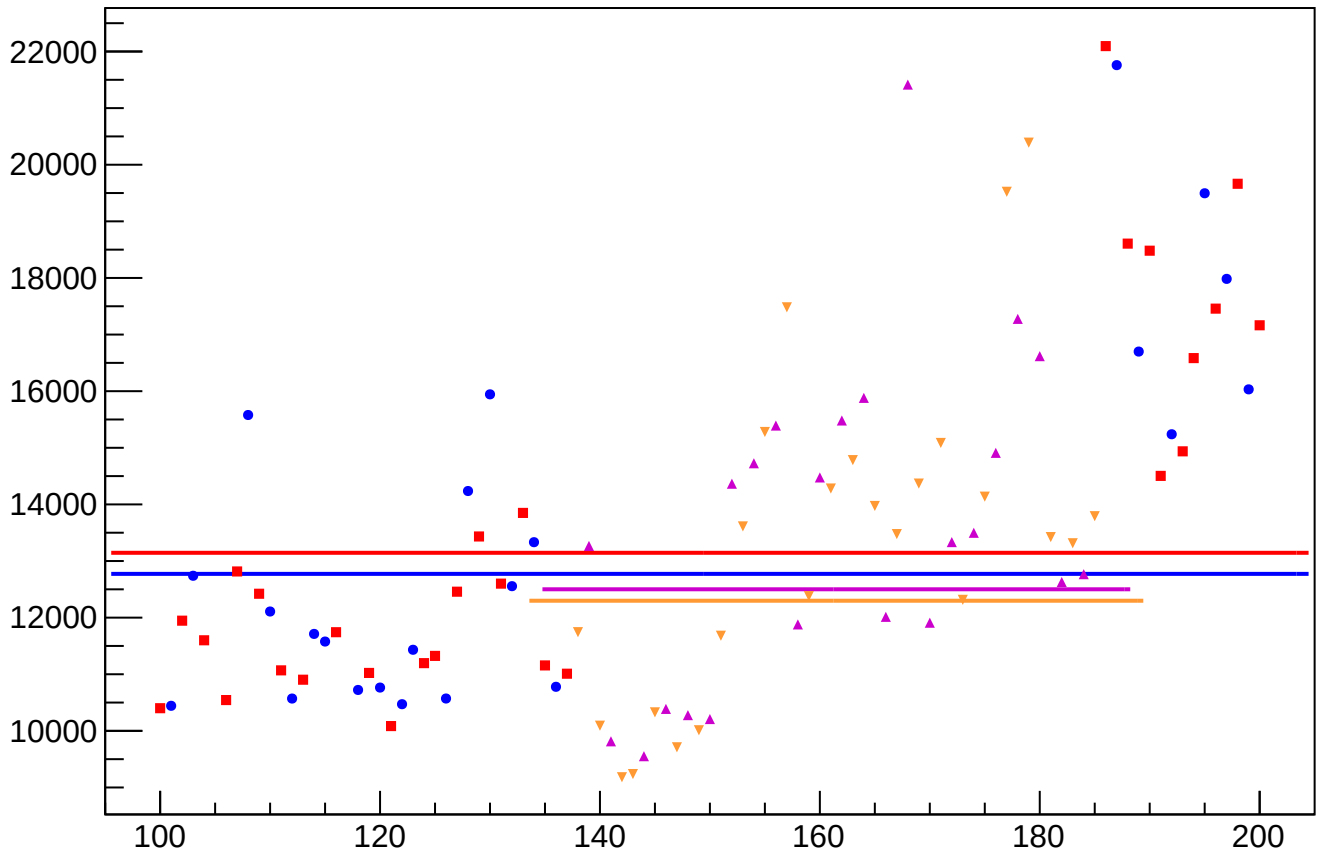
Left In: -0.157 ± 3.058 $\chi^2/\text{NDF}: 11.5/22$

+ sign -1.895 ± 2.374 $\chi^2/\text{NDF}: 58.3/47$

All: 0.175 ± 1.677 $\chi^2/\text{NDF}: 104.8/98$

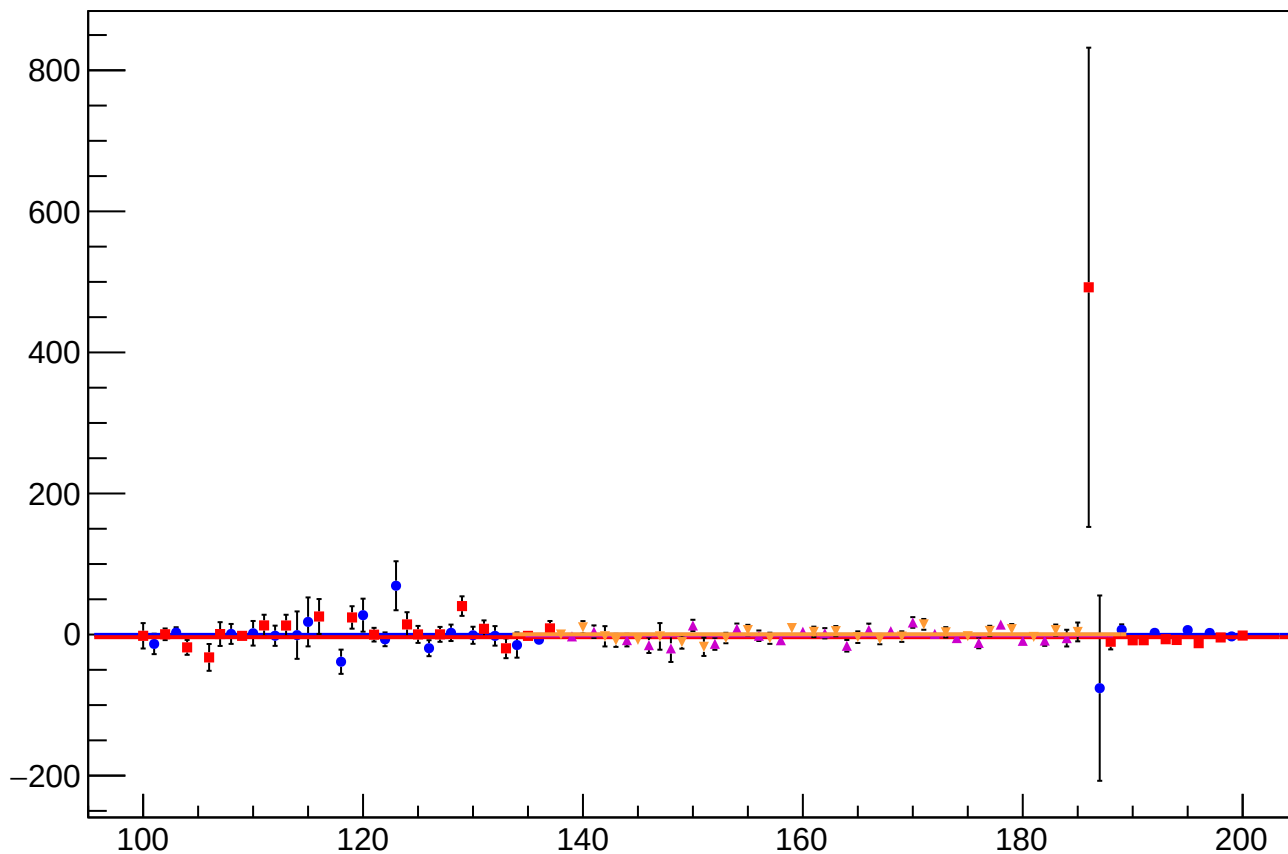
- sign 2.235 ± 2.369 $\chi^2/\text{NDF}: 45.0/50$

diff_bpm11X_rms vs Slug



Right In: 12773.082 $\pm$ 2.848	χ^2 /NDF: 906829.9/22	+ sign 12463.529 $\pm$ 1.679	χ^2 /NDF: 2430966.9/47
Left Out: 12298.676 $\pm$ 2.078	χ^2 /NDF: 1506026.8/24	All: 12611.367 $\pm$ 1.186	χ^2 /NDF: 4968712.9/50
Right Out: 13145.331 $\pm$ 2.649	χ^2 /NDF: 1128843.8/27	- sign 12758.572 $\pm$ 1.675	χ^2 /NDF: 2522266.4/50
Left In: 12500.795 $\pm$ 2.162	χ^2 /NDF: 1357889.1/22		

diff_bpm11Y_mean vs Slug



Right In: -0.439 ± 1.787 χ^2/NDF : 21.6/22

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -3.736 ± 1.539 χ^2/NDF : 34.2/27

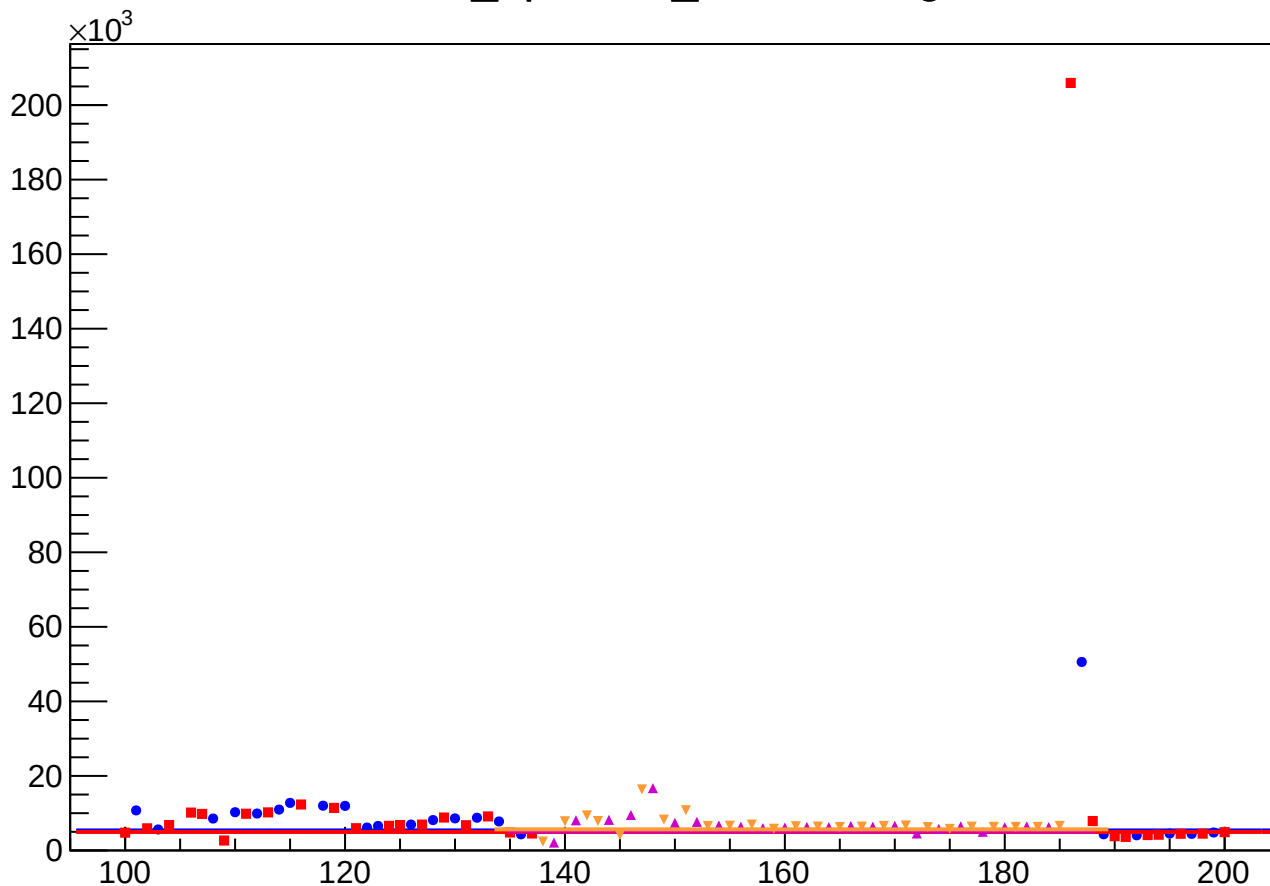
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.043 ± 1.118 χ^2/NDF : 40.9/47

All: -1.233 ± 0.755 χ^2/NDF : 112.6/98

- sign -2.303 ± 1.024 χ^2/NDF : 69.3/50

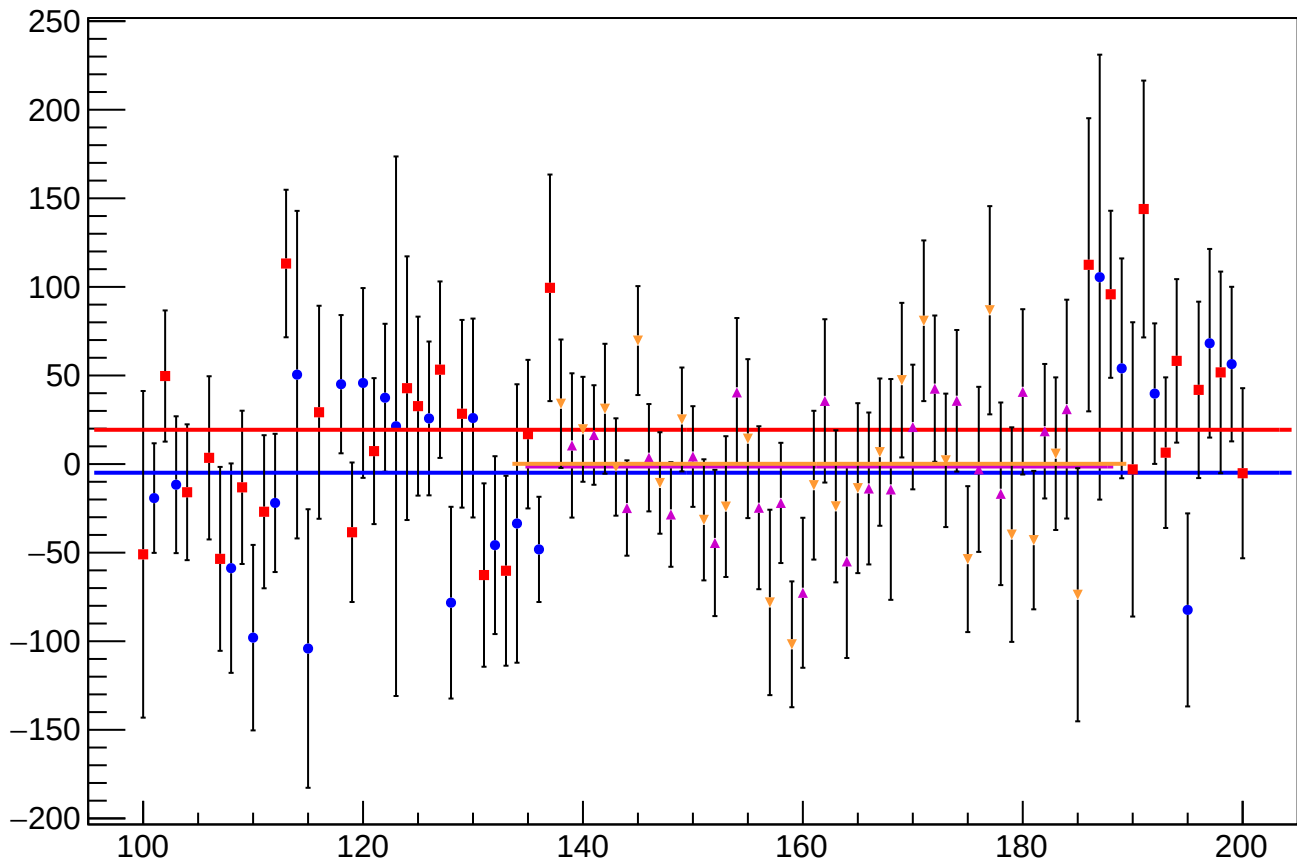
diff_bpm11Y_rms vs Slug



Right In: 5370.614 ± 1.263 χ^2/NDF : 2505589.8/22
 Left Out: 5659.441 ± 1.014 χ^2/NDF : 4128583.6/24
 Right Out: 4960.806 ± 1.089 χ^2/NDF : 3493366.9/27
 Left In: 5137.772 ± 0.970 χ^2/NDF : 5495609.7/22

+ sign 5546.327 ± 0.791 χ^2/NDF : 6665975.1/47
 All: 5281.576 ± 0.534 χ^2/NDF : 15875922.3/9
 - sign 5059.475 ± 0.724 χ^2/NDF : 9003711.4/50

diff_bpm12X_mean vs Slug



Right In: -4.892 ± 10.009 χ^2/NDF : 24.4/22

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 19.354 ± 9.327 χ^2/NDF : 28.7/27

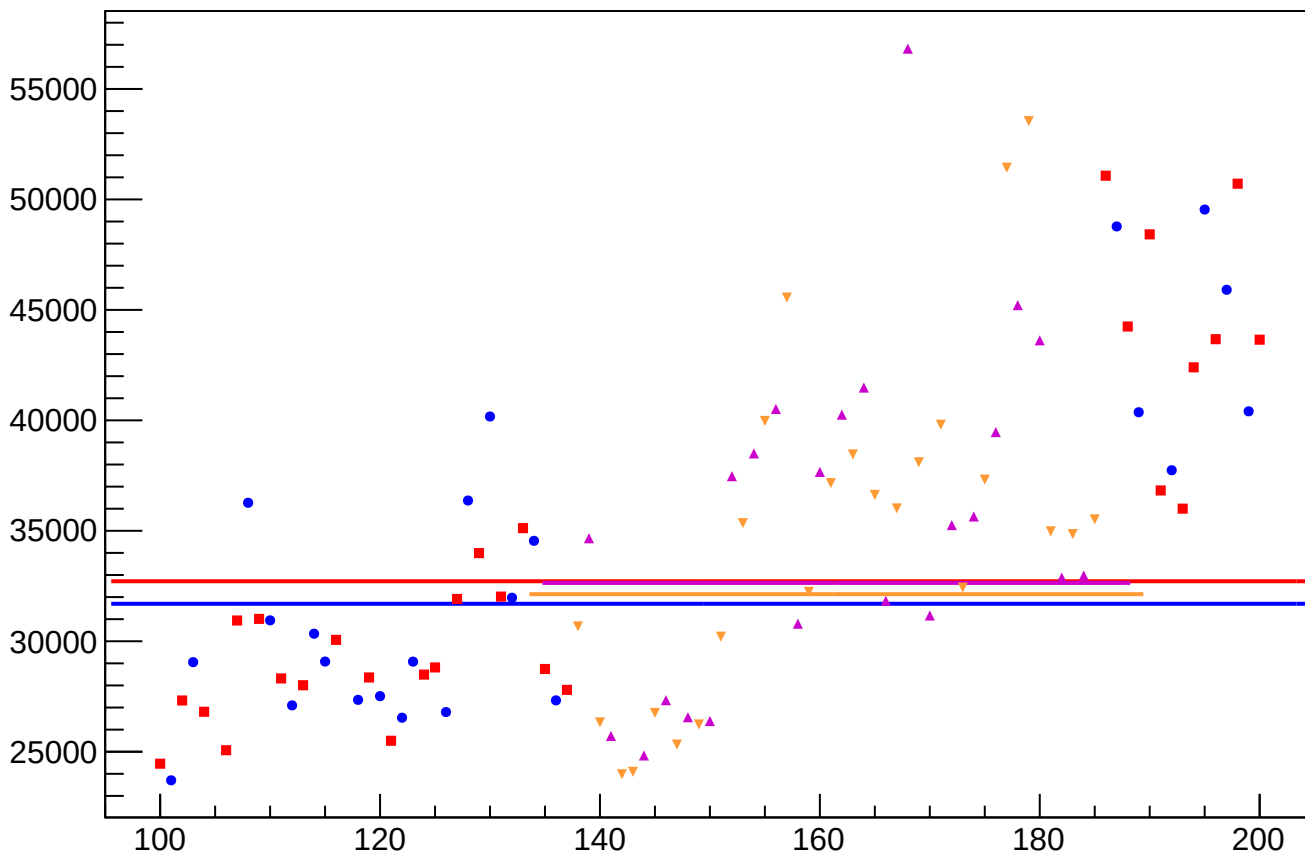
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -1.724 ± 6.095 χ^2/NDF : 55.8/47

All: 2.858 ± 4.300 χ^2/NDF : 101.8/98

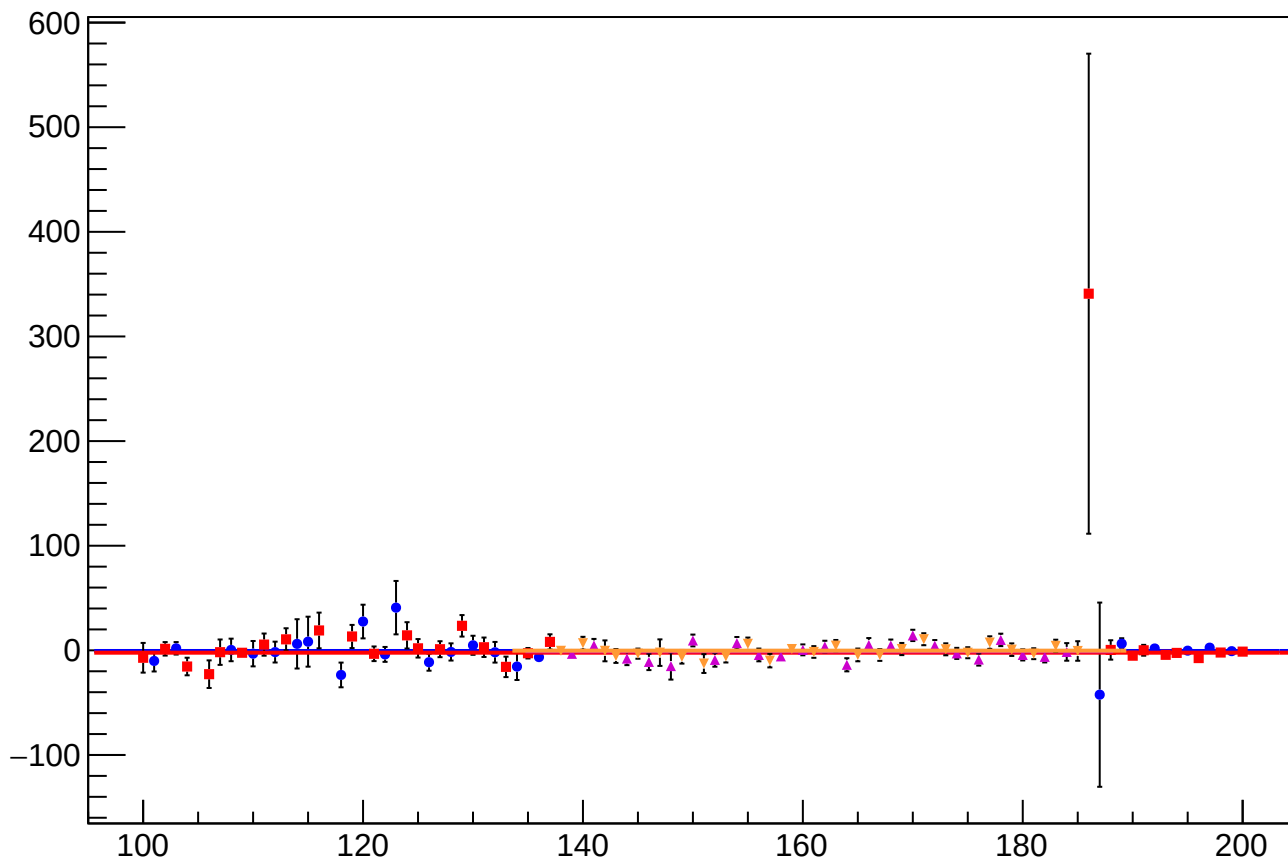
- sign 7.400 ± 6.068 χ^2/NDF : 44.9/50

diff_bpm12X_rms vs Slug



Right In: 31697.249+/-7.078	$\chi^2/\text{NDF}: 945306.7/22$	+ sign 31971.004+/-4.310	$\chi^2/\text{NDF}: 2487763.7/47$
Left Out: 32132.314+/-5.433	$\chi^2/\text{NDF}: 1540079.4/24$	All: 32323.580+/-3.041	$\chi^2/\text{NDF}: 5057131.0/9$
Right Out: 32716.537+/-6.595	$\chi^2/\text{NDF}: 1153801.7/27$	- sign 32673.067+/-4.291	$\chi^2/\text{NDF}: 2556039.5/50$
Left In: 32641.162+/-5.650	$\chi^2/\text{NDF}: 1402162.4/22$		

diff_bpm12Y_mean vs Slug



Right In: -0.614 ± 1.239 χ^2/NDF : 21.1/22

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -2.238 ± 1.112 χ^2/NDF : 29.6/27

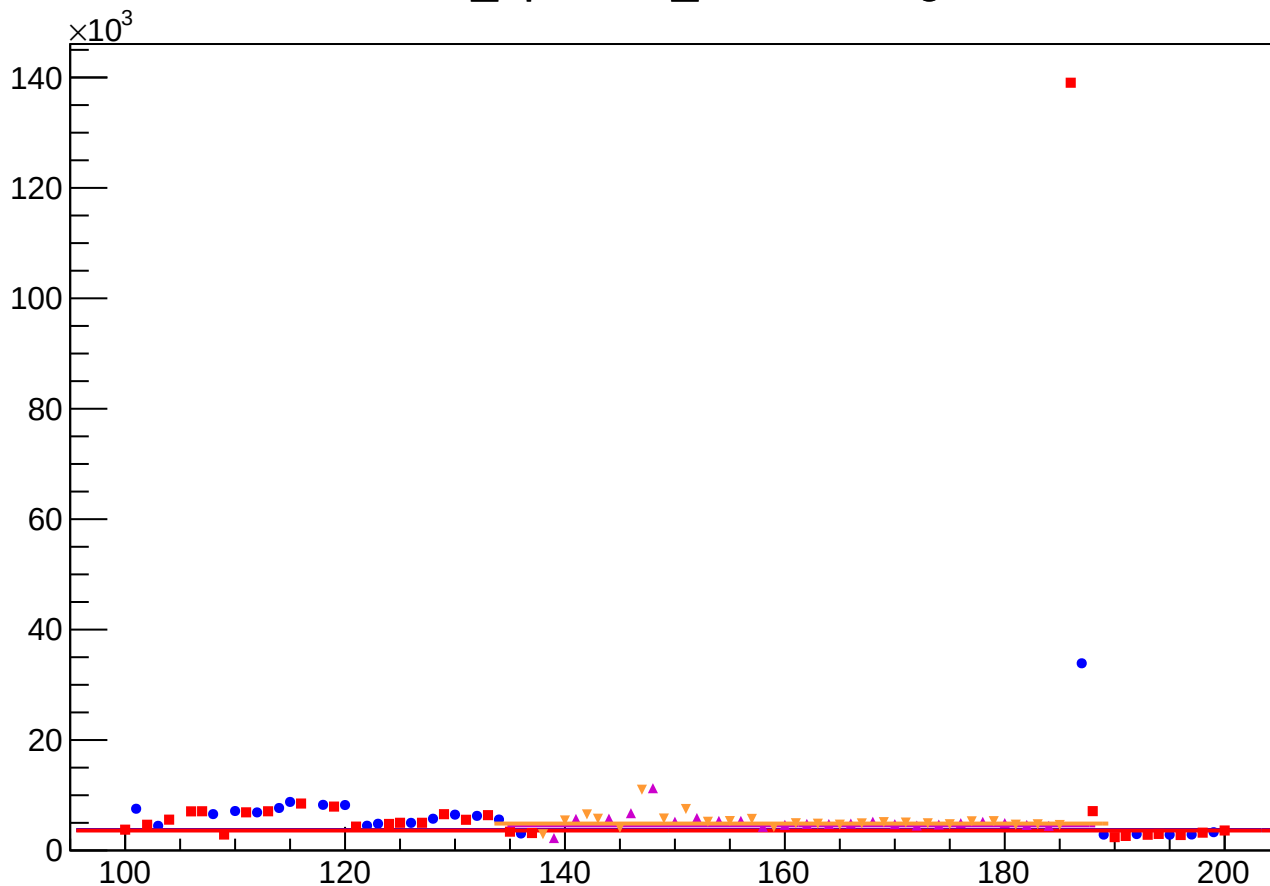
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.455 ± 0.851 χ^2/NDF : 38.8/47

All: -1.060 ± 0.582 χ^2/NDF : 106.1/98

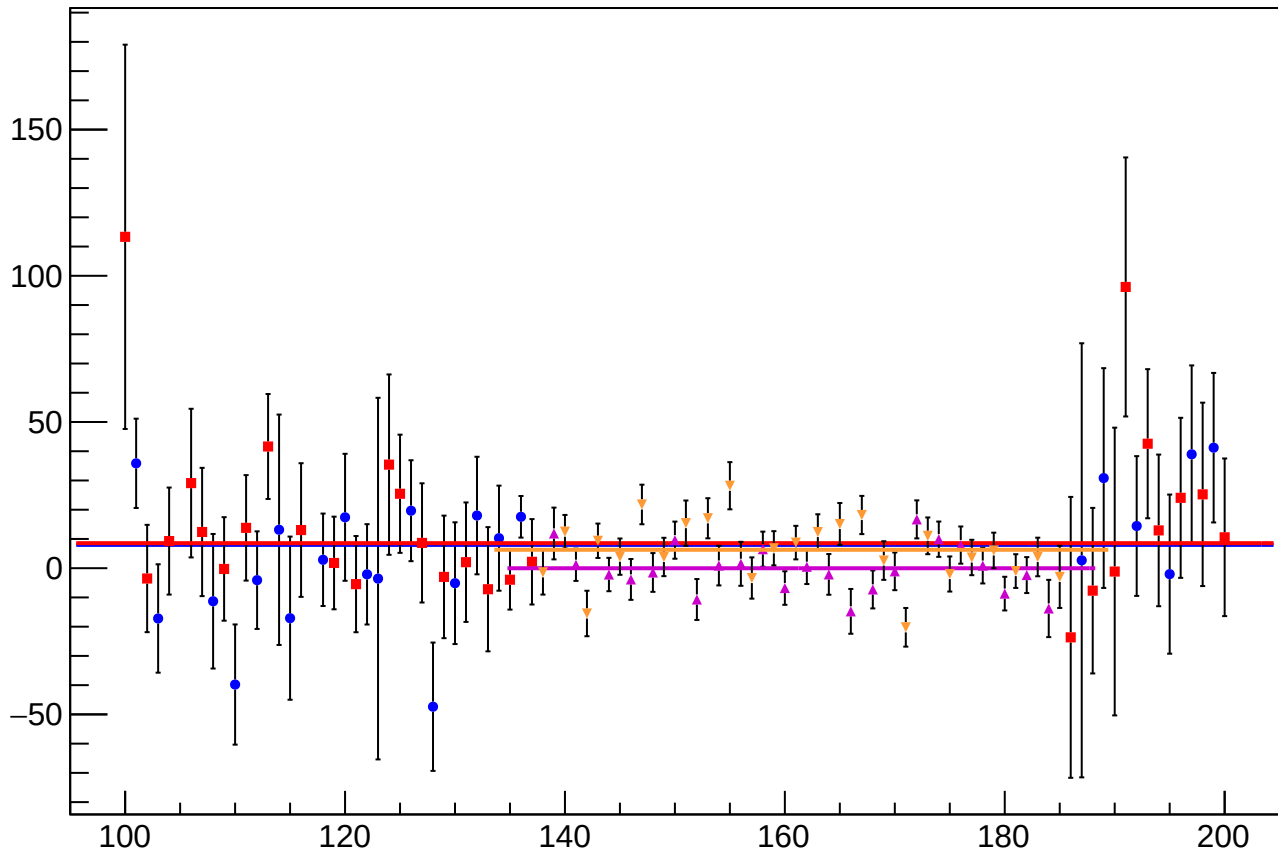
- sign -1.591 ± 0.797 χ^2/NDF : 66.4/50

diff_bpm12Y_rms vs Slug



Right In: 3701.125+/-0.876	χ^2/NDF : 2761586.9/22	+ sign 4317.273+/-0.602	χ^2/NDF : 5210367.3/47
Left Out: 4868.567+/-0.829	χ^2/NDF : 1511151.0/24	All: 4184.442+/-0.411	χ^2/NDF : 12146404.4/9
Right Out: 3616.415+/-0.786	χ^2/NDF : 3532778.9/27	- sign 4068.038+/-0.563	χ^2/NDF : 6844652.6/50
Left In: 4544.337+/-0.808	χ^2/NDF : 2634314.4/22		

diff_bpm16X_mean vs Slug



Right In: 7.976 ± 3.880 χ^2/NDF : 25.9/22

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 8.561 ± 3.917 χ^2/NDF : 19.6/27

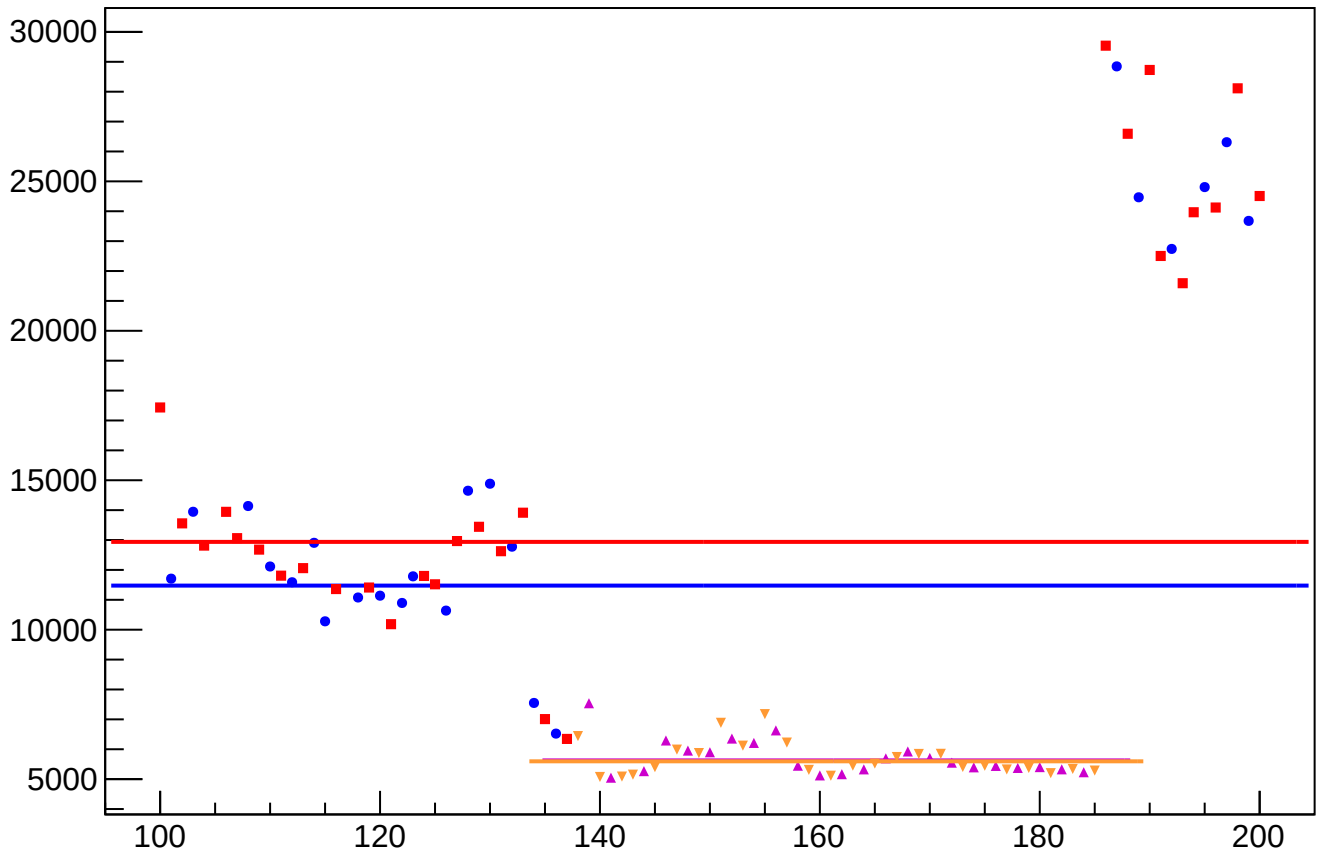
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.468 ± 1.241 χ^2/NDF : 82.6/47

All: 3.764 ± 0.891 χ^2/NDF : 146.2/98

- sign 0.895 ± 1.279 χ^2/NDF : 53.8/50

diff_bpm16X_rms vs Slug



Right In: 11475.318 ± 2.744 χ^2/NDF : 3453121.7/22

Left Out: 5596.370 ± 0.926 χ^2/NDF : 283998.1/24

Right Out: 12937.834 ± 2.770 χ^2/NDF : 3977495.6/27

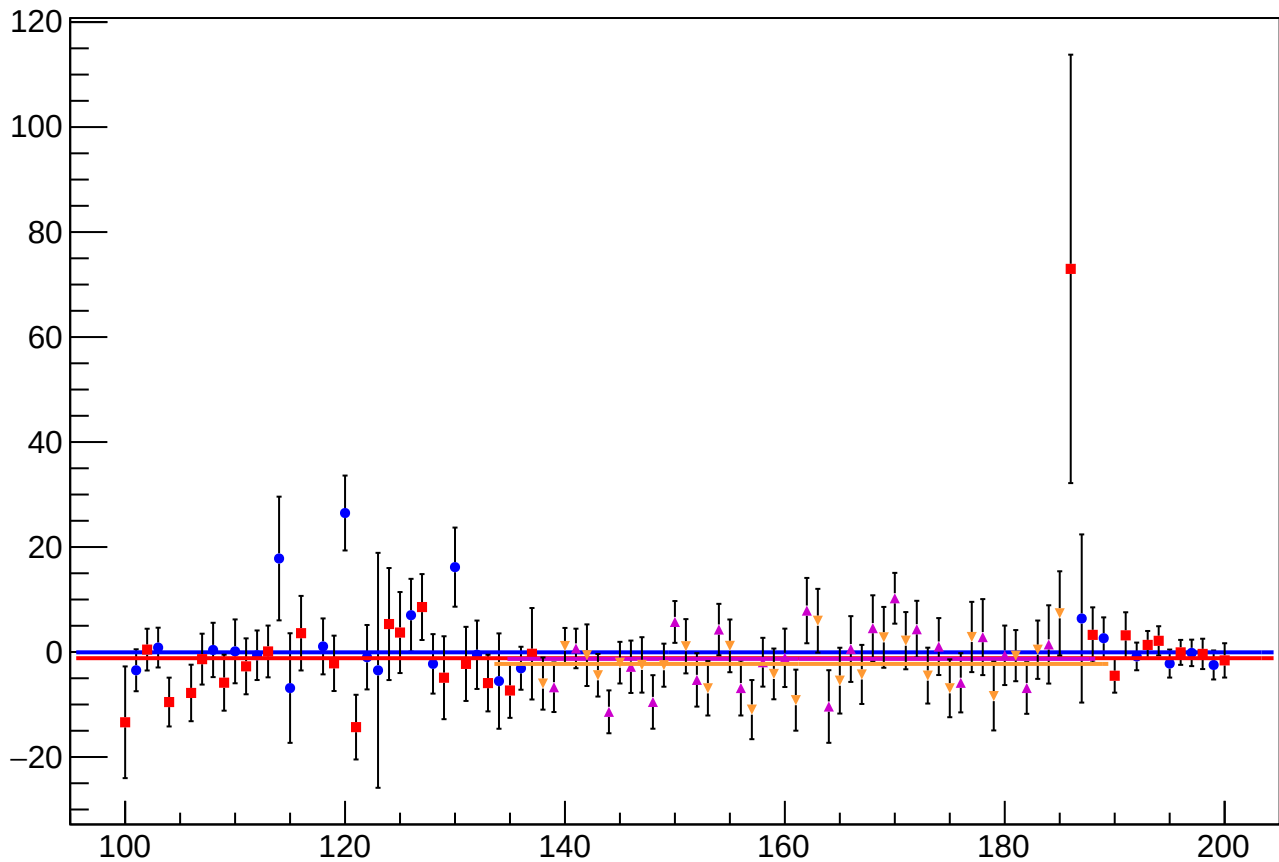
Left In: 5627.283 ± 0.957 χ^2/NDF : 279318.7/22

+ sign 6198.115 ± 0.878 χ^2/NDF : 7858838.1/47

All: 6299.311 ± 0.630 χ^2/NDF : 18367743.7/50

- sign 6406.729 ± 0.904 χ^2/NDF : 10481504.5/50

diff_bpm16Y_mean vs Slug



Right In: -0.059 ± 0.934 χ^2/NDF : 26.3/22

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.178 ± 0.843 χ^2/NDF : 26.5/27

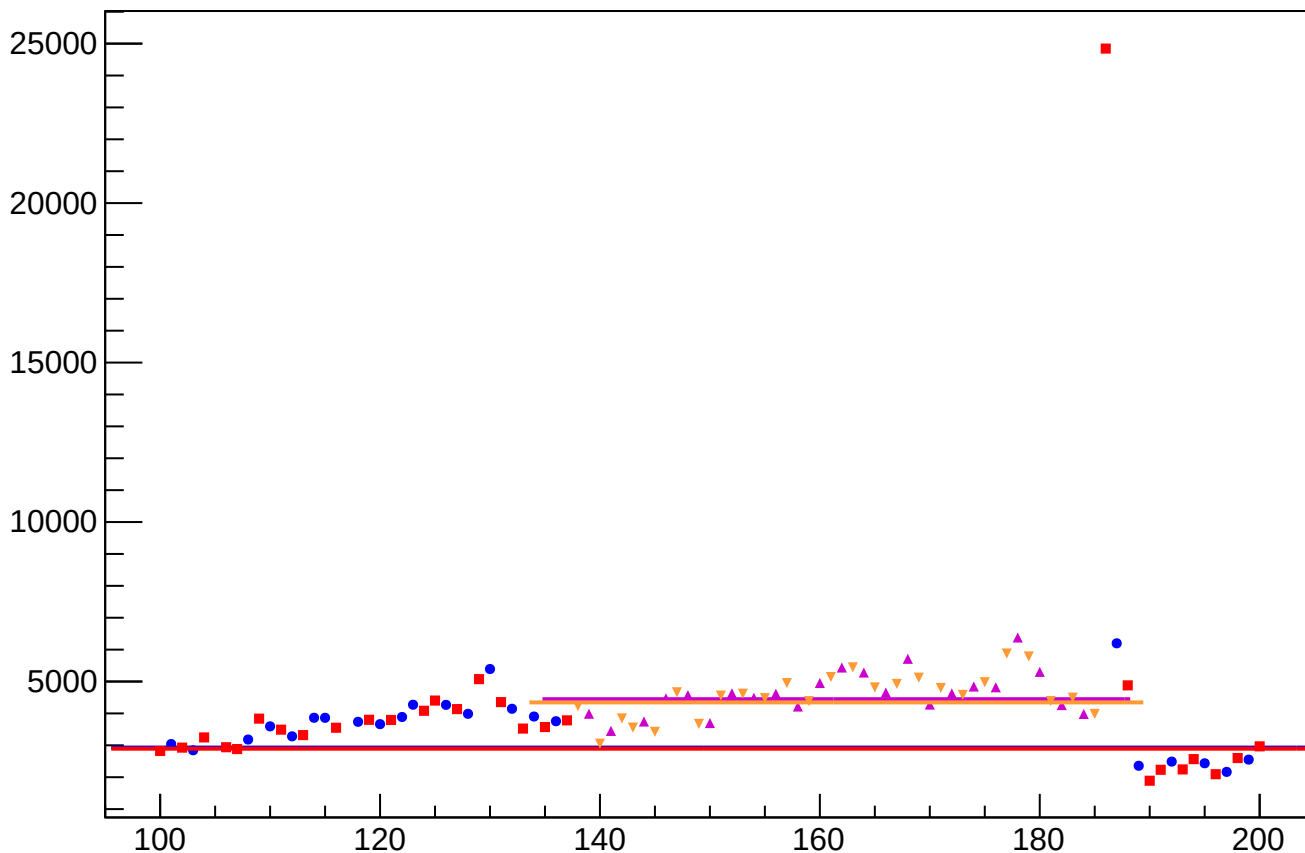
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.056 ± 0.692 χ^2/NDF : 44.2/47

All: -1.145 ± 0.479 χ^2/NDF : 101.6/98

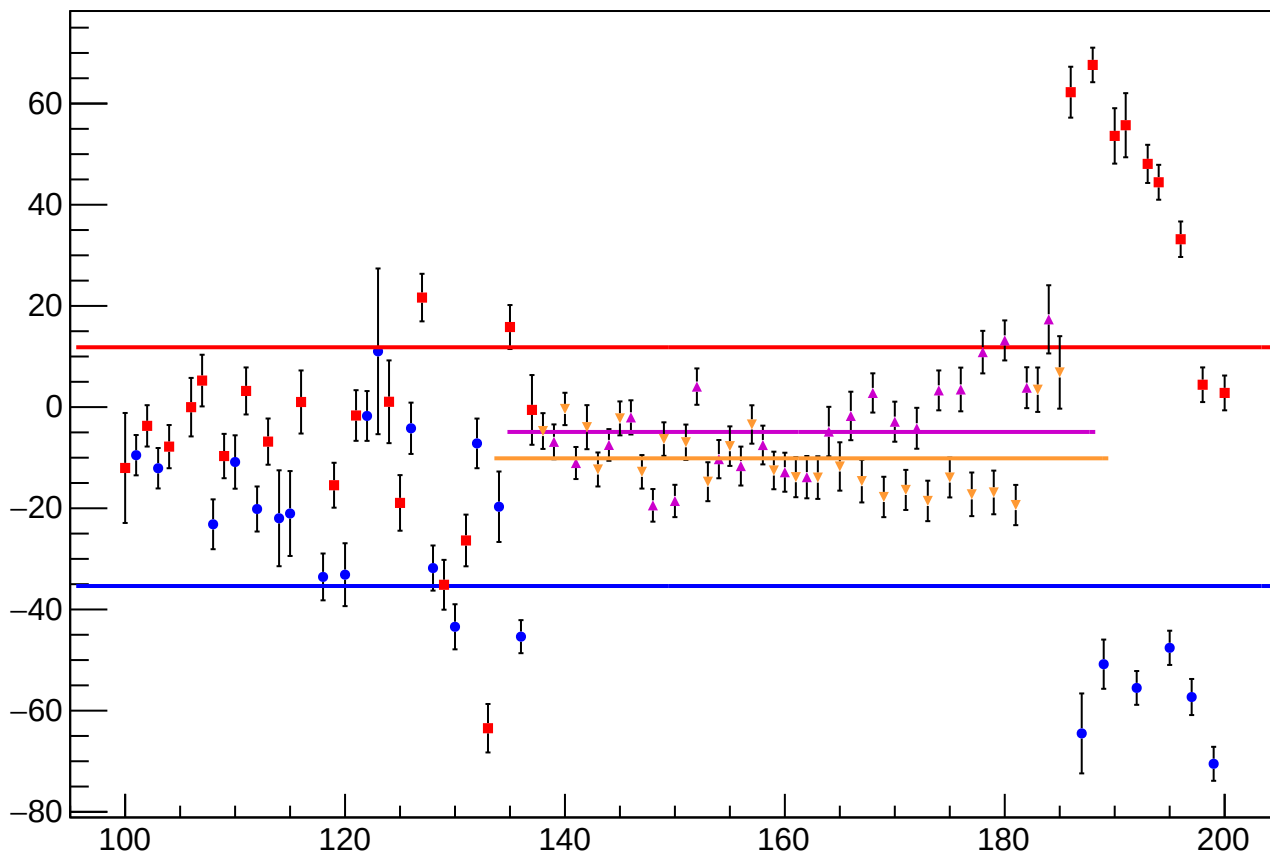
- sign -1.226 ± 0.664 χ^2/NDF : 57.3/50

diff_bpm16Y_rms vs Slug



Right In: 2928.359+/-0.660	χ^2/NDF : 1195379.6/22	+ sign 3568.063+/-0.489	χ^2/NDF : 4274782.1/47
Left Out: 4345.381+/-0.728	χ^2/NDF : 1000636.1/24	All: 3524.274+/-0.339	χ^2/NDF : 9800342.2/98
Right Out: 2894.225+/-0.596	χ^2/NDF : 2232681.3/27	- sign 3483.929+/-0.469	χ^2/NDF : 5510158.6/50
Left In: 4446.181+/-0.762	χ^2/NDF : 702797.6/22		

diff_bpm0l01X_mean vs Slug



Right In: -35.363 ± 0.956 χ^2/NDF : 484.9/22

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 11.828 ± 0.866 χ^2/NDF : 1278.0/27

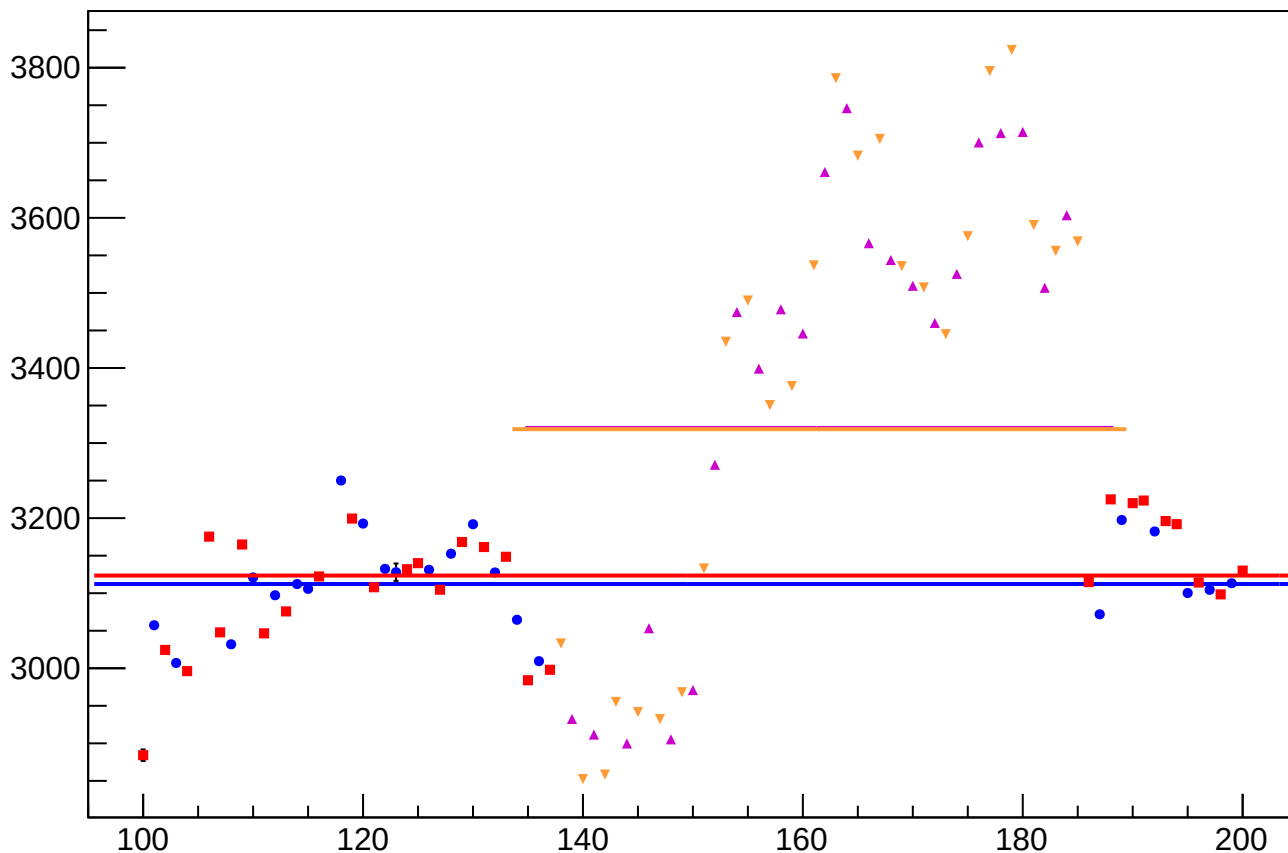
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -20.139 ± 0.602 χ^2/NDF : 973.1/47

All: -8.382 ± 0.420 χ^2/NDF : 3323.8/98

- sign 2.767 ± 0.586 χ^2/NDF : 1608.2/50

diff_bpm0l01X_rms vs Slug



Right In: 3112.244+/-0.676 χ^2/NDF : 8974.6/22

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3123.505+/-0.612 χ^2/NDF : 13727.1/27

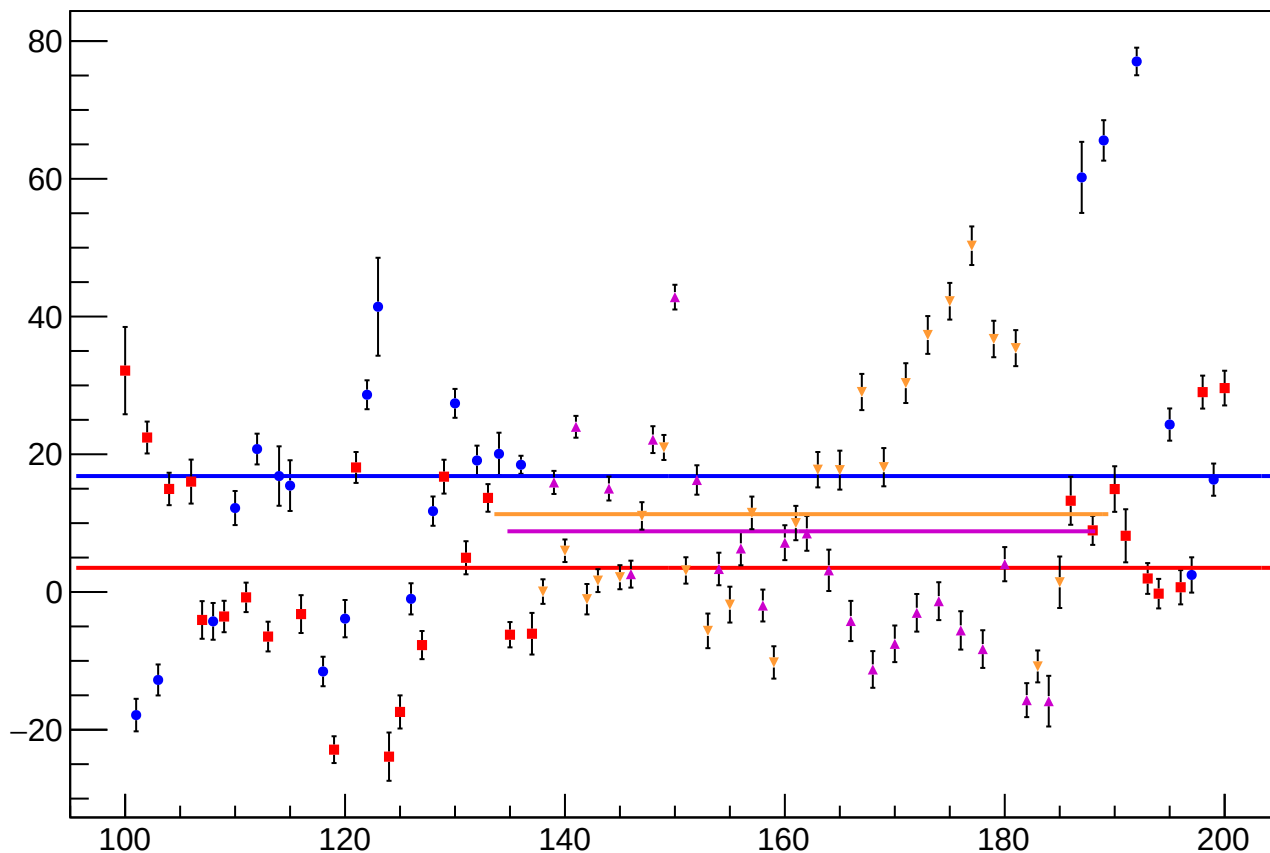
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3236.660+/-0.426 χ^2/NDF : 402815.8/47

All: 3233.224+/-0.297 χ^2/NDF : 760142.2/98

- sign 3229.966+/-0.415 χ^2/NDF : 357199.6/50

diff_bpm0l01Y_mean vs Slug



Right In: 16.837 ± 0.495 χ^2/NDF : 2123.7/22

Left Out: 11.305 ± 0.454 χ^2/NDF : 1144.3/24

Right Out: 3.508 ± 0.461 χ^2/NDF : 914.8/27

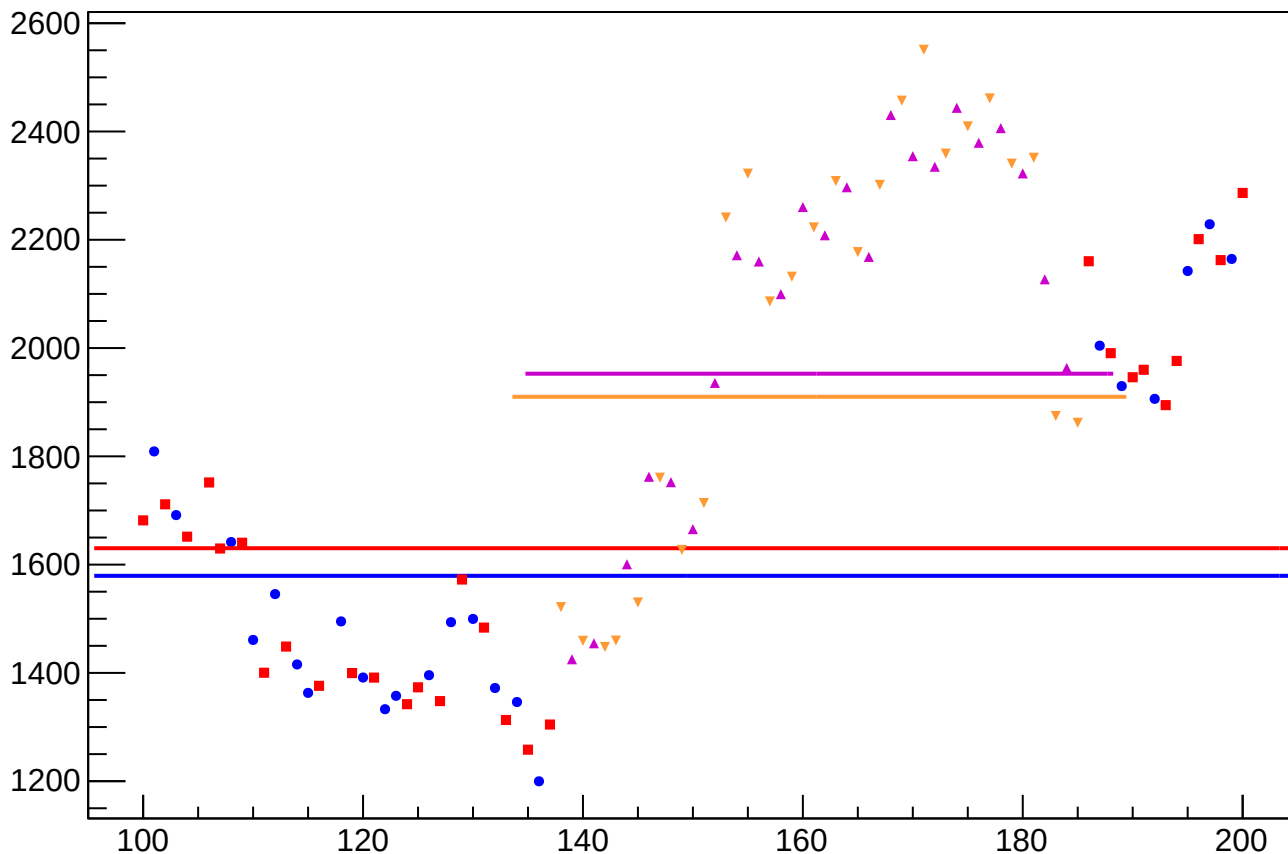
Left In: 8.815 ± 0.475 χ^2/NDF : 942.2/22

+ sign 13.831 ± 0.335 χ^2/NDF : 3335.9/47

All: 9.912 ± 0.235 χ^2/NDF : 5528.4/98

- sign 6.080 ± 0.331 χ^2/NDF : 1921.2/50

diff_bpm0l01Y_rms vs Slug



Right In: 1579.304 $\pm$ 0.350 χ^2 /NDF: 764684.7/22

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

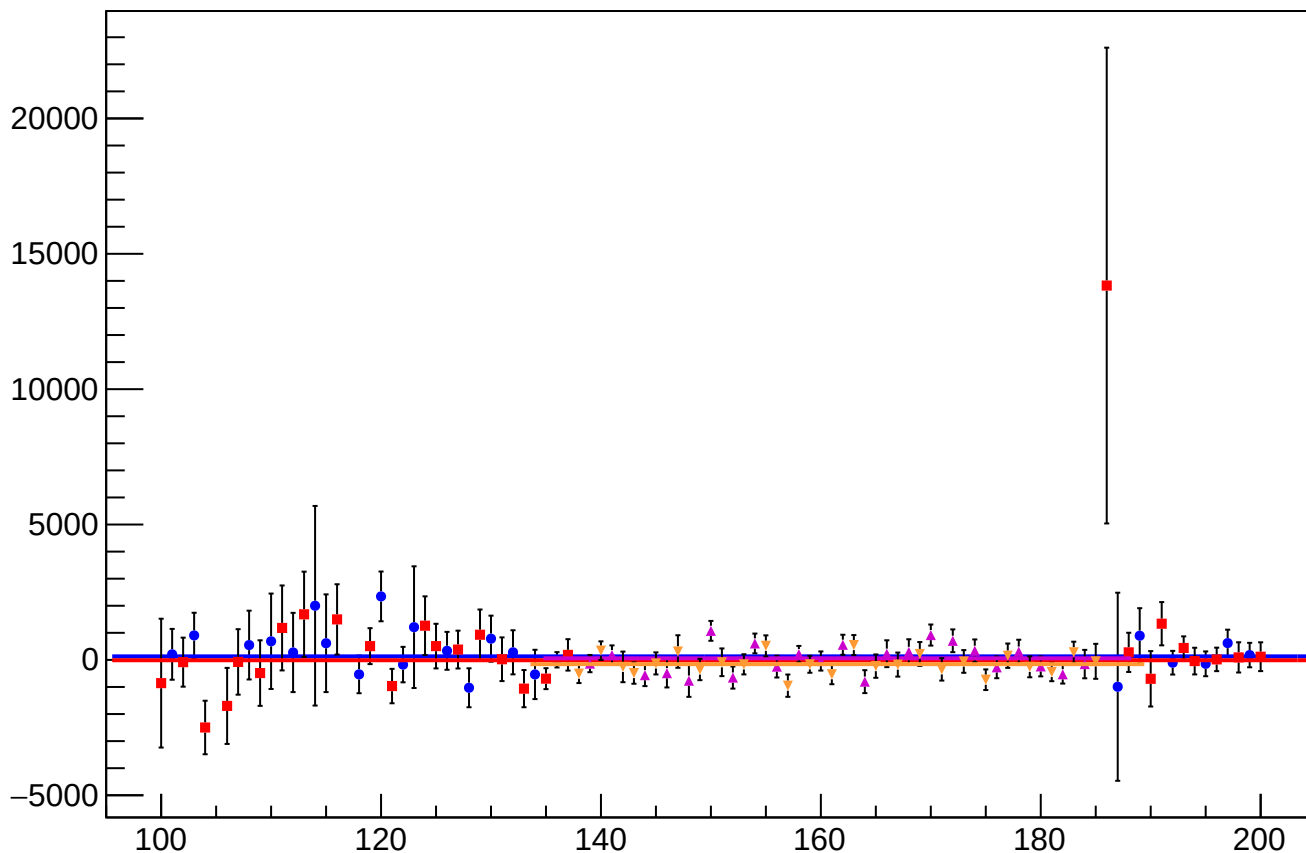
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1758.984 $\pm$ 0.237 χ^2 /NDF: 2648888.0/47

All: 1772.882 $\pm$ 0.166 χ^2 /NDF: 5101559.8/98

- sign 1786.477 $\pm$ 0.234 χ^2 /NDF: 2445844.1/50

asym_sam1_mean vs Slug



Right In: 130.396+/-140.469 χ^2/NDF : 14.9/22

Left Out: -157.242+/-80.796 χ^2/NDF :22.0/24

Right Out: -12.613+/-134.393 χ^2/NDF : 29.9/27

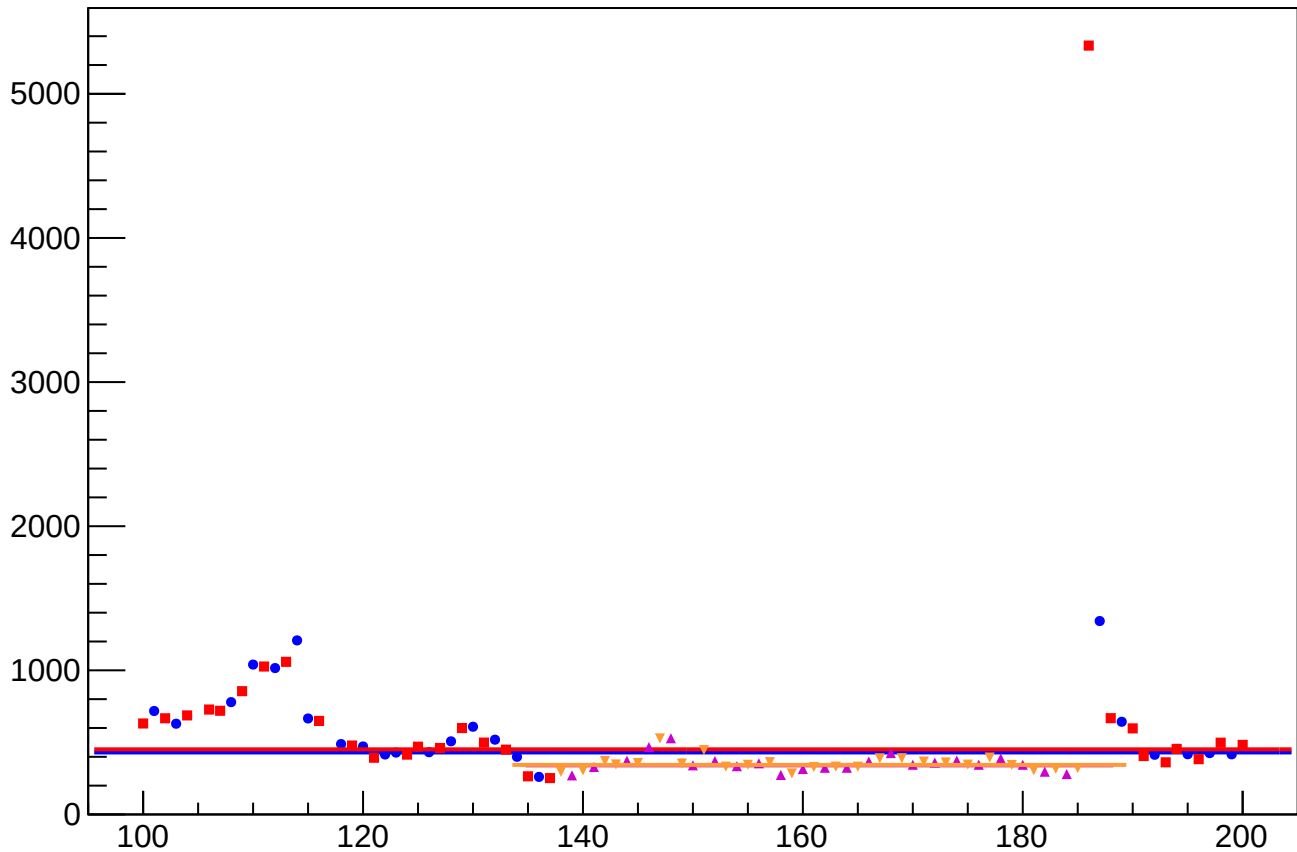
Left In: 58.934+/-82.584 χ^2/NDF :38.5/22

+ sign -85.736+/-70.037 χ^2/NDF : 40.1/47

All: -23.496+/-49.638 χ^2/NDF : 110.3/98

- sign 39.323+/-70.361 χ^2/NDF : 68.6/50

asym_sam1_rms vs Slug



Right In: 430.205+/-0.099 χ^2/NDF : 2238638.3/22

Left Out: 343.807+/-0.057 χ^2/NDF : 539431.0/24

Right Out: 451.953+/-0.095 χ^2/NDF : 3034243.9/27

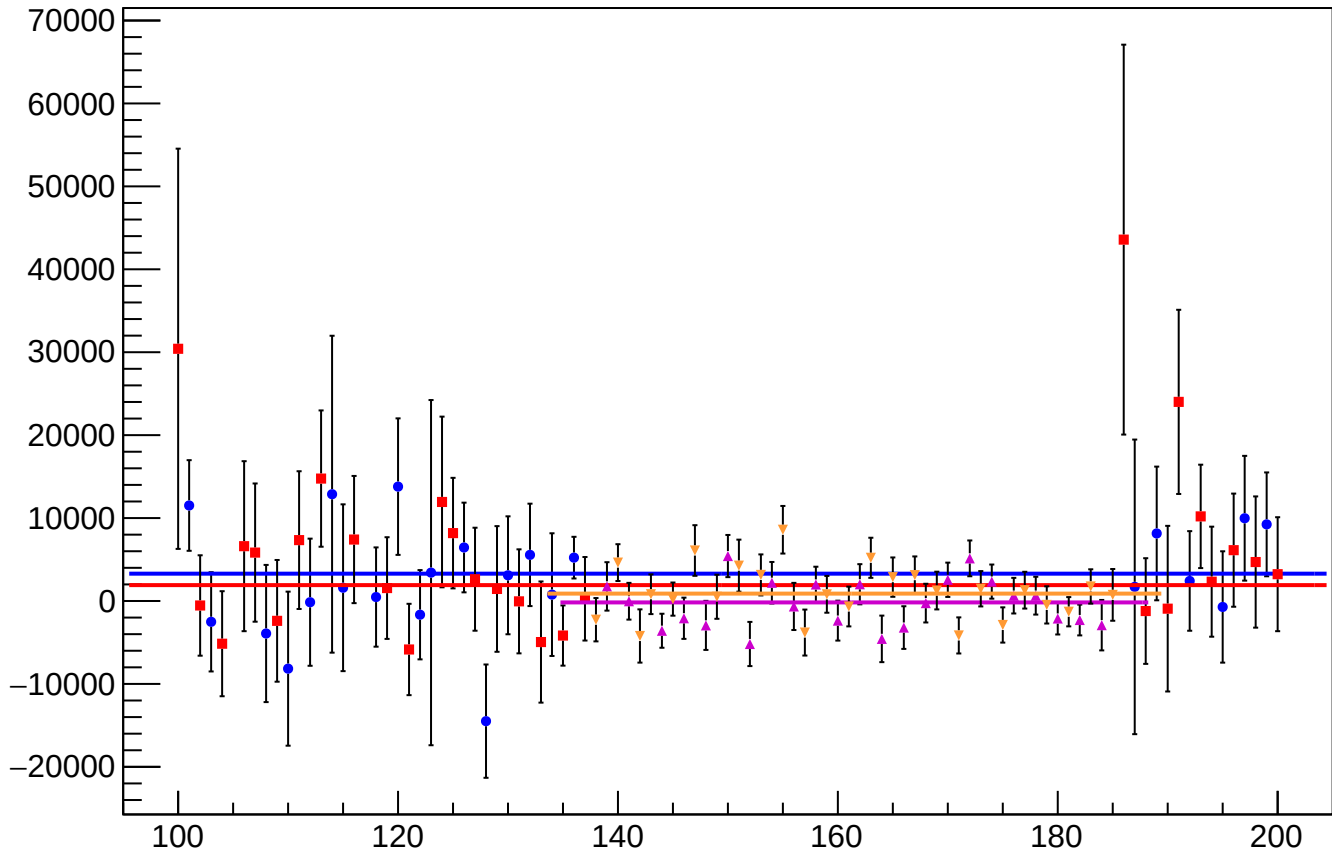
Left In: 340.876+/-0.058 χ^2/NDF : 724672.0/22

+ sign 365.285+/-0.050 χ^2/NDF : 3346603.4/47

All: 368.290+/-0.035 χ^2/NDF : 8104651.4/98

- sign 371.323+/-0.050 χ^2/NDF : 4750650.1/50

asym_sam2_mean vs Slug



Right In: 3295.215 ± 1305.481 χ^2/NDF : 19.1/22

Left Out: 890.395 ± 473.262 χ^2/NDF : 38.0/24

Right Out: 1914.938 ± 1303.304 χ^2/NDF : 24.4/27

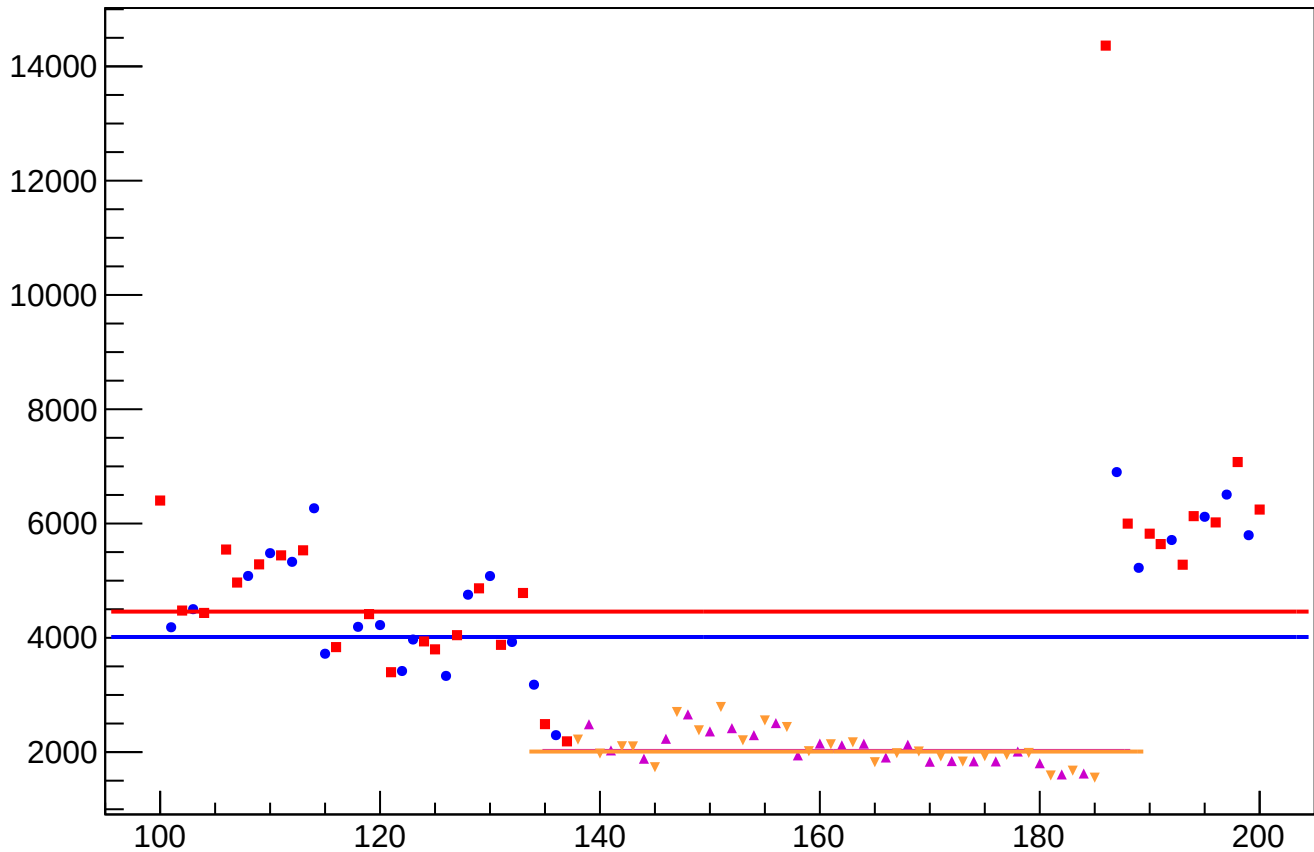
Left In: -172.391 ± 488.067 χ^2/NDF : 33.2/22

+ sign 1169.727 ± 444.928 χ^2/NDF : 60.0/47

All: 641.636 ± 318.817 χ^2/NDF : 122.8/98

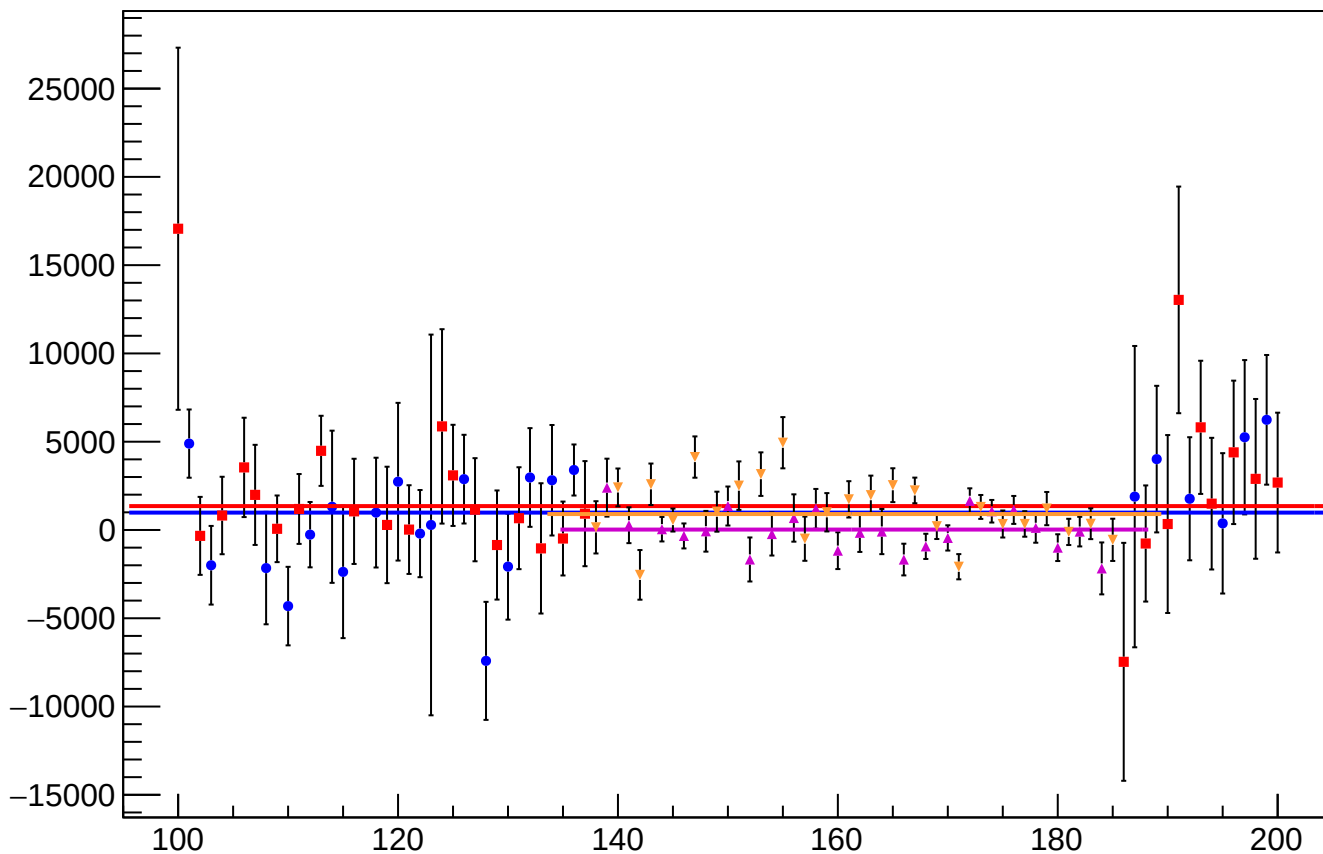
- sign 84.331 ± 457.069 χ^2/NDF : 59.9/50

asym_sam2_rms vs Slug



Right In: 4014.284 ± 0.923 $\chi^2/\text{NDF}: 2110765.8/22$ + sign 2242.482 ± 0.315 $\chi^2/\text{NDF}: 6988892.9/47$
 Left Out: 2009.631 ± 0.335 $\chi^2/\text{NDF}: 709977.6/24$ All: 2280.327 ± 0.225 $\chi^2/\text{NDF}: 16157218.9/9$
 Right Out: 4458.764 ± 0.922 $\chi^2/\text{NDF}: 2425327.5/27$ - sign 2320.266 ± 0.323 $\chi^2/\text{NDF}: 9138585.3/50$
 Left In: 2020.365 ± 0.345 $\chi^2/\text{NDF}: 573483.0/22$

asym_sam3_mean vs Slug



Right In: 984.098 $\pm$ 584.768 χ^2/NDF : 29.4/22

Left Out: 902.091 $\pm$ 185.850 χ^2/NDF : 63.5/24

Right Out: 1352.977 $\pm$ 556.281 χ^2/NDF : 17.5/27

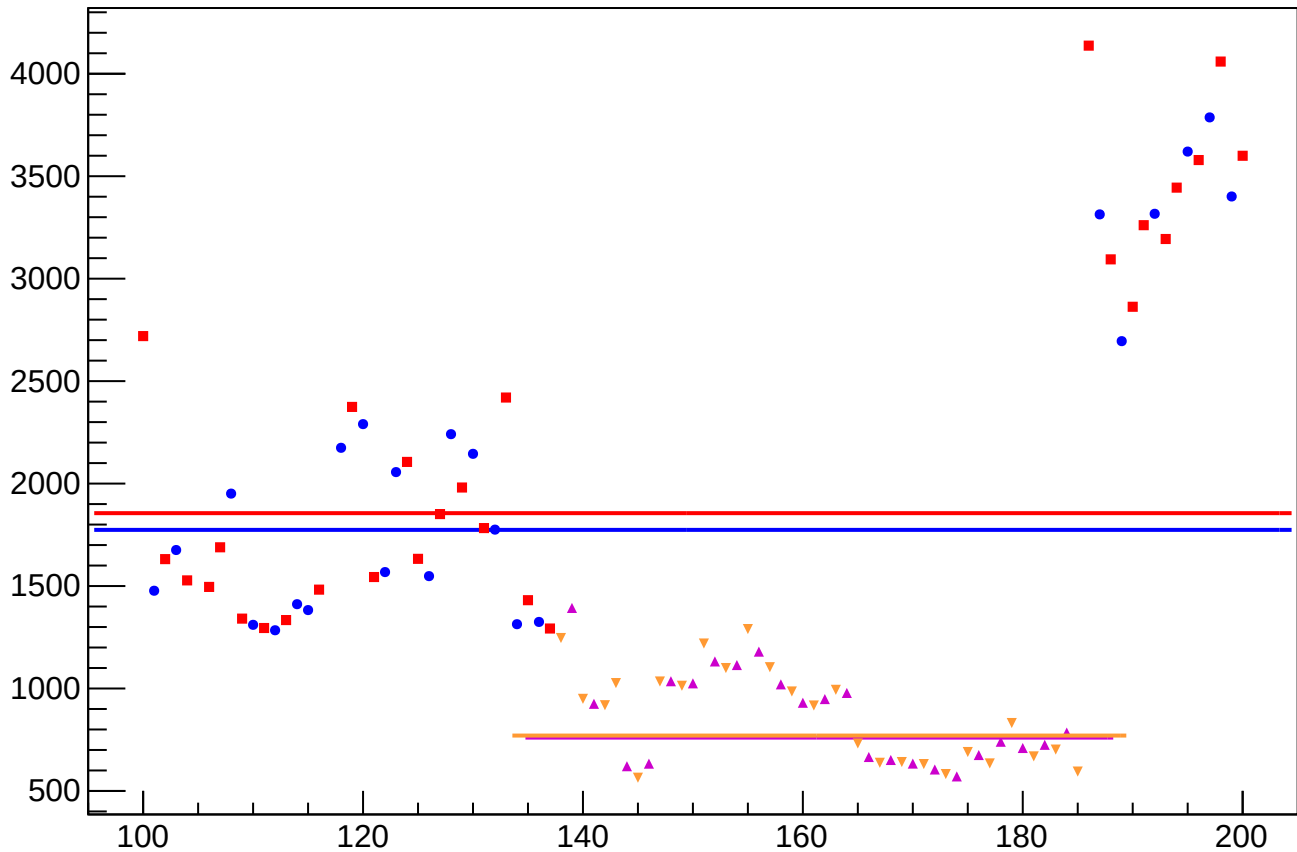
Left In: 23.529 $\pm$ 188.137 χ^2/NDF : 28.2/22

+ sign 909.615 $\pm$ 177.120 χ^2/NDF : 92.9/47

All: 537.121 $\pm$ 125.630 χ^2/NDF : 152.6/98

- sign 159.986 $\pm$ 178.220 χ^2/NDF : 50.8/50

asym_sam3_rms vs Slug



Right In: 1774.078+/-0.413 χ^2/NDF : 2520952.9/22

Left Out: 770.320+/-0.131 χ^2/NDF : 2287655.1/24

Right Out: 1855.678+/-0.393 χ^2/NDF : 3425798.5/27

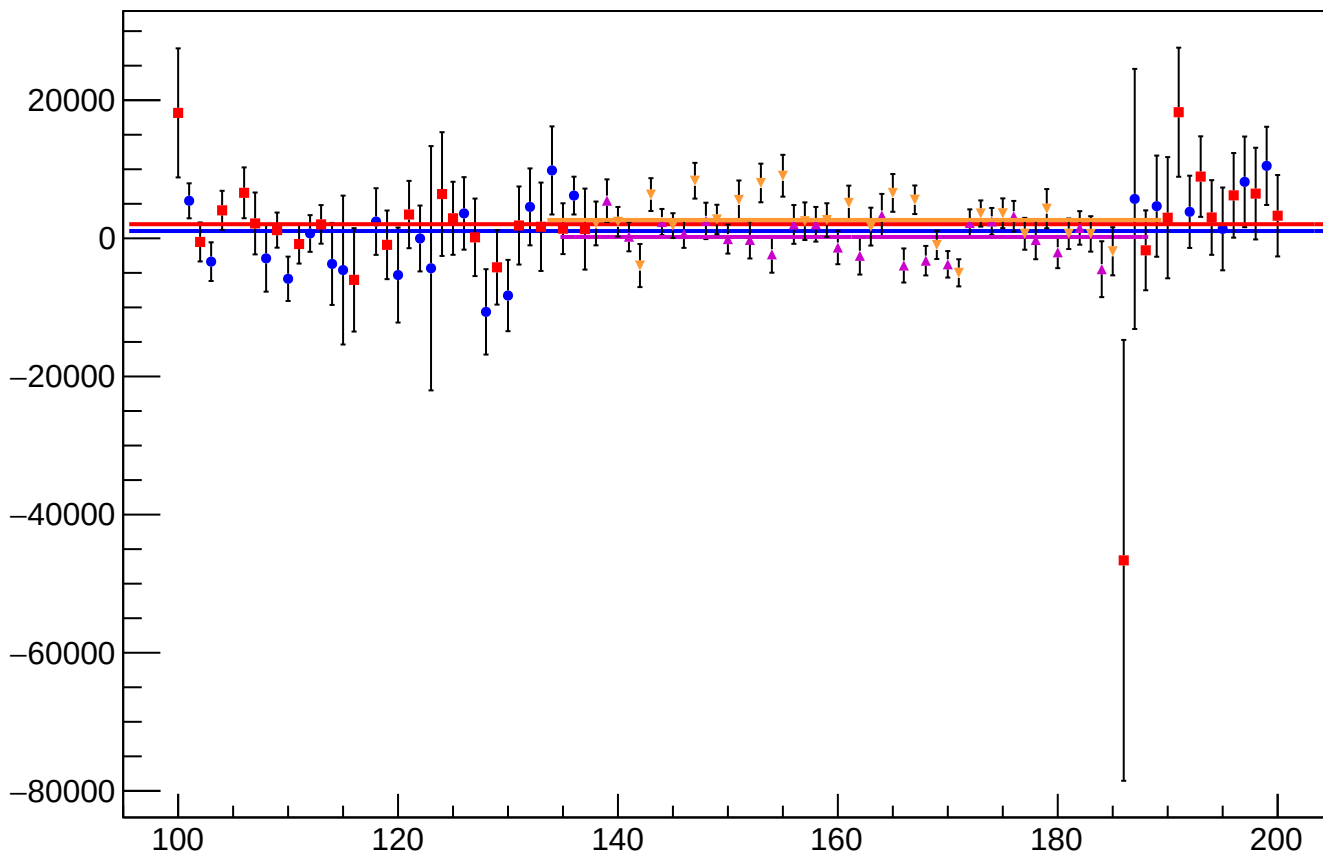
Left In: 760.352+/-0.133 χ^2/NDF : 1986749.8/22

+ sign 862.407+/-0.125 χ^2/NDF : 10160775.7/47

All: 867.560+/-0.089 χ^2/NDF : 22534891.9/98

- sign 872.778+/-0.126 χ^2/NDF : 12370708.5/50

asym_sam4_mean vs Slug



Right In: 1058.560 $\pm$ 934.865 χ^2/NDF : 30.3/22

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

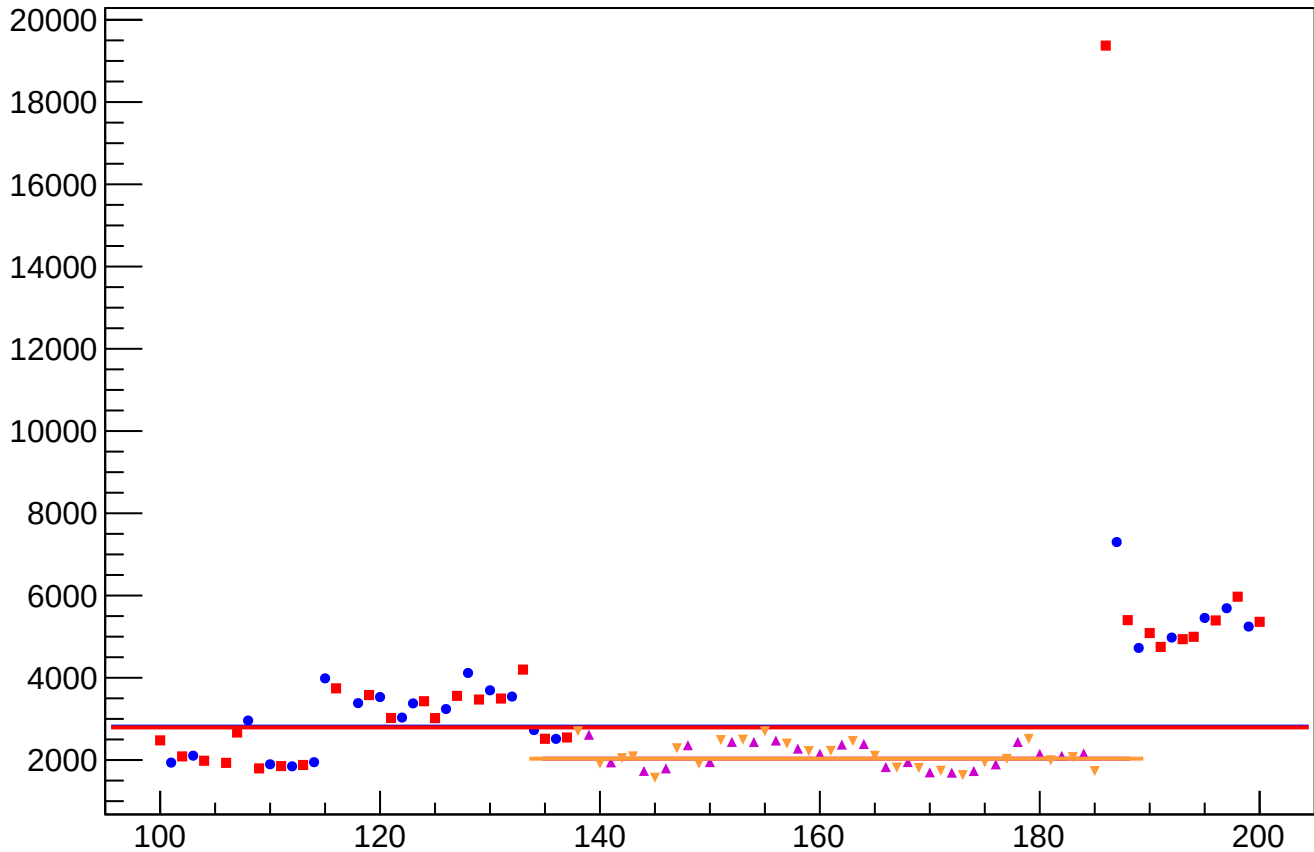
Left In: 199.371 $\pm$ 492.082 χ^2/NDF : 25.8/22

+ sign 2330.571 $\pm$ 426.845 χ^2/NDF : 81.8/47

All: 1493.942 $\pm$ 301.755 χ^2/NDF : 137.3/98

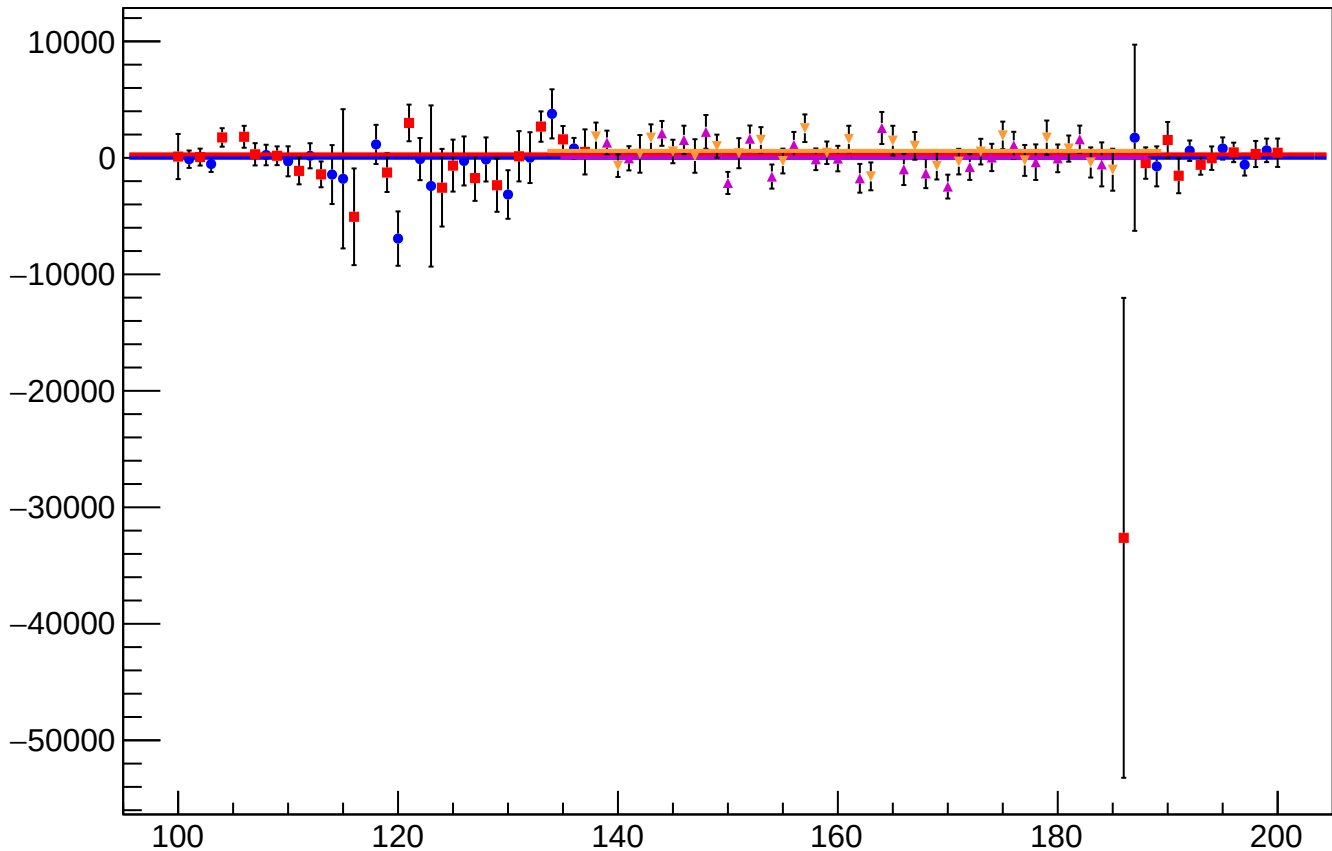
- sign 658.080 $\pm$ 426.649 χ^2/NDF : 47.8/50

asym_sam4_rms vs Slug



Right In: 2811.816 $\pm$ 0.661	χ^2 /NDF: 2872864.1/22	+ sign 2195.626 $\pm$ 0.302	χ^2 /NDF: 4794654.4/47
Left Out: 2033.337 $\pm$ 0.339	χ^2 /NDF: 824062.2/24	All: 2208.500 $\pm$ 0.213	χ^2 /NDF: 11065191.4/9
Right Out: 2792.768 $\pm$ 0.605	χ^2 /NDF: 4429395.1/27	- sign 2221.363 $\pm$ 0.302	χ^2 /NDF: 6266899.9/50
Left In: 2032.655 $\pm$ 0.348	χ^2 /NDF: 652763.7/22		

asym_sam5_mean vs Slug



Right In: 9.894 ± 257.716 χ^2/NDF : 19.2/22

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 301.066 ± 228.509 χ^2/NDF : 29.7/27

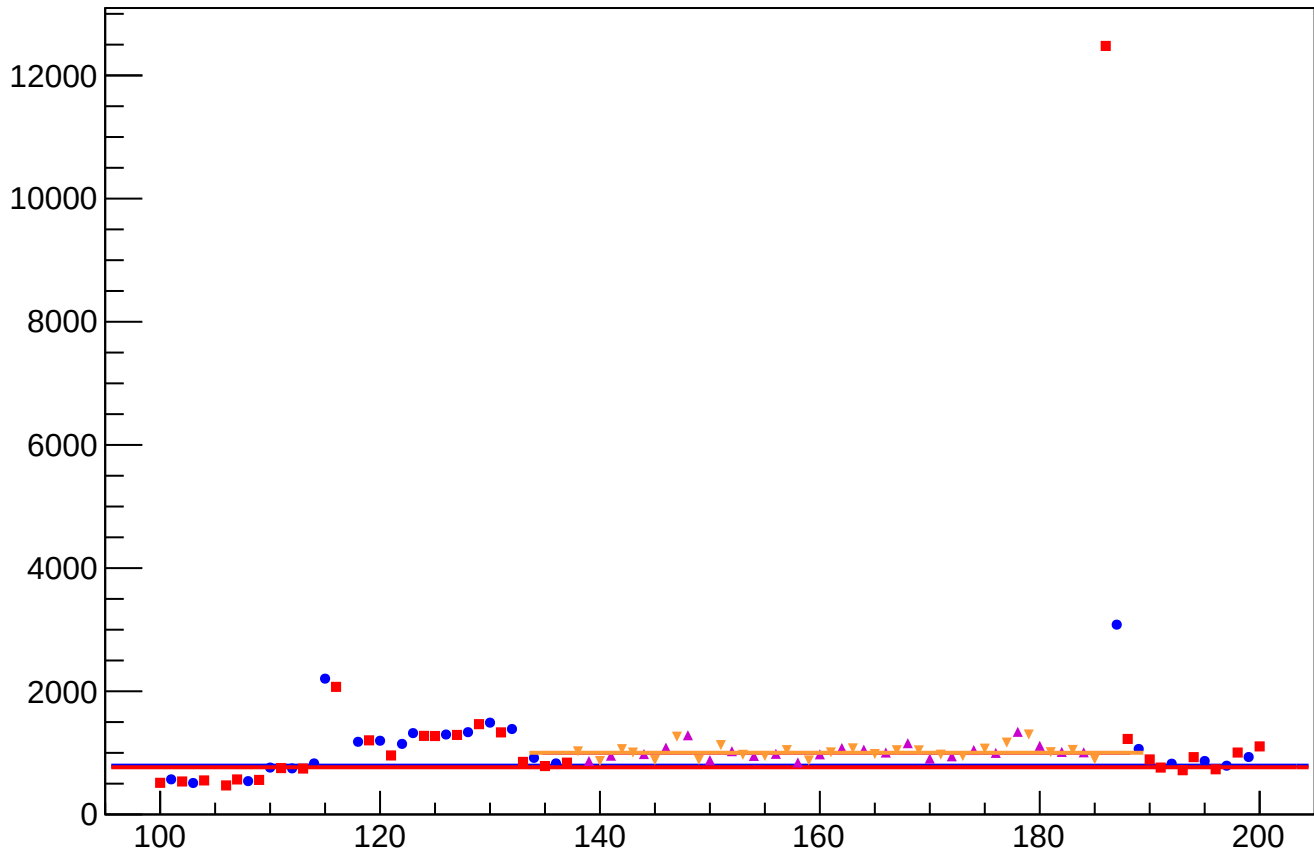
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 332.138 ± 173.634 χ^2/NDF : 40.5/47

All: 251.551 ± 119.896 χ^2/NDF : 107.6/98

- sign 178.108 ± 165.758 χ^2/NDF : 66.7/50

asym_sam5_rms vs Slug



Right In: 792.469+/-0.182 χ^2/NDF : 1986592.3/22

Left Out: 1001.472+/-0.166 χ^2/NDF : 370299.3/24

Right Out: 766.119+/-0.162 χ^2/NDF : 2992405.0/27

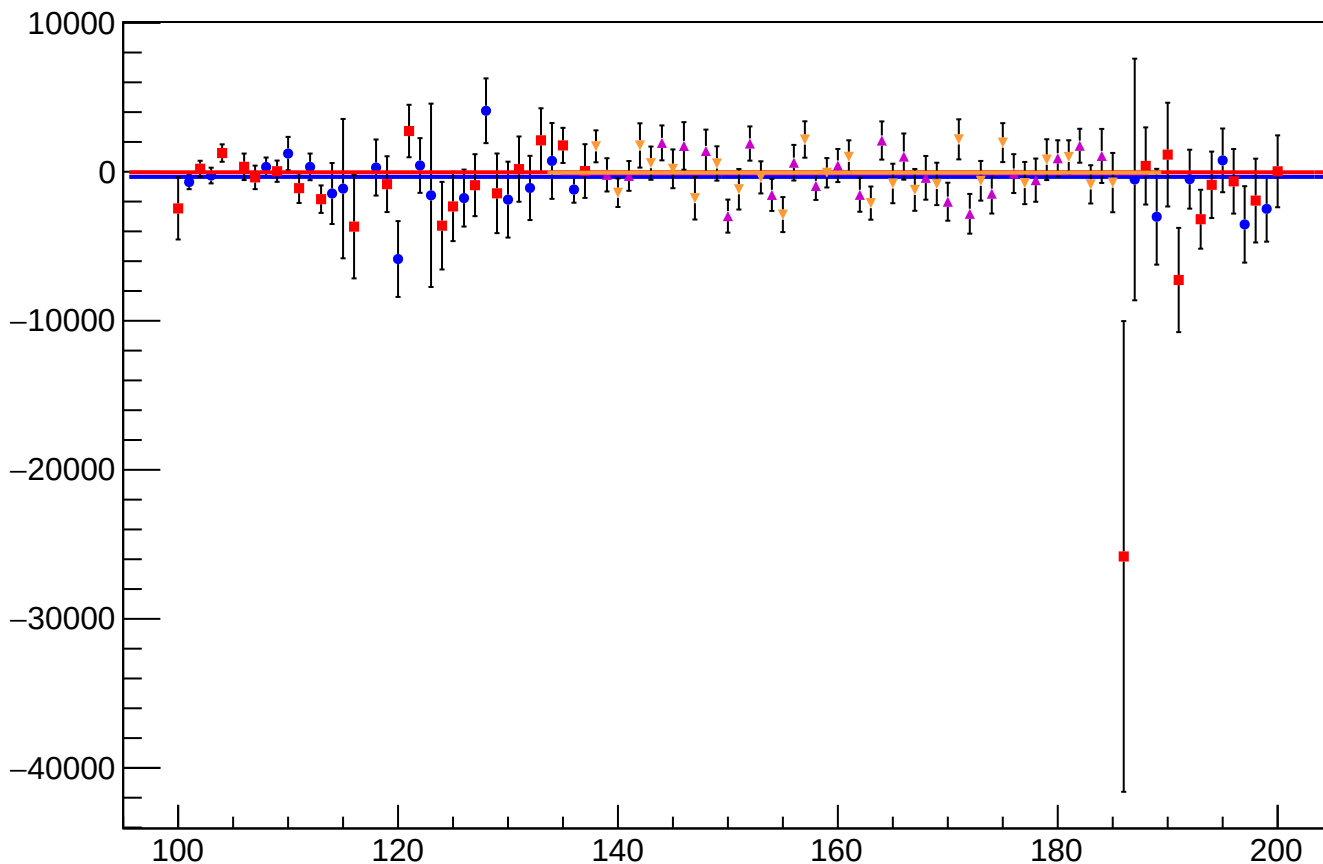
Left In: 998.050+/-0.170 χ^2/NDF : 404656.2/22

+ sign 906.600+/-0.123 χ^2/NDF : 3075185.8/47

All: 890.596+/-0.085 χ^2/NDF : 7480946.5/98

- sign 876.011+/-0.117 χ^2/NDF : 4373285.5/50

asym_sam6_mean vs Slug



Right In: -345.097 ± 243.554 χ^2/NDF : 19.3/22

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -35.503 ± 237.141 χ^2/NDF : 32.1/27

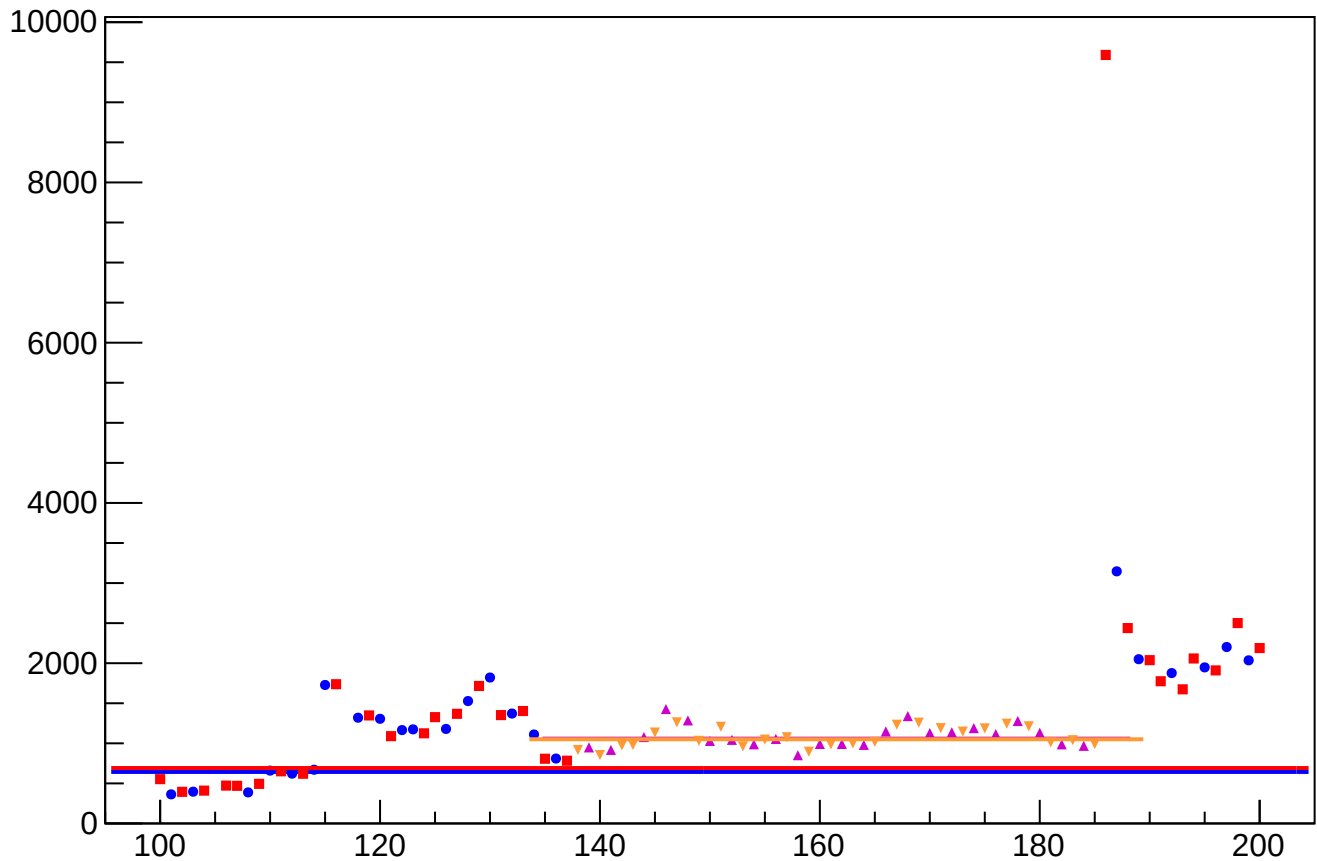
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -204.179 ± 173.252 χ^2/NDF : 51.0/47

All: -137.845 ± 122.695 χ^2/NDF : 118.2/98

- sign -71.103 ± 173.784 χ^2/NDF : 67.0/50

asym_sam6_rms vs Slug



Right In: 643.012+/-0.172 χ^2/NDF : 7061605.3/22

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 691.548+/-0.168 χ^2/NDF : 8708274.6/27

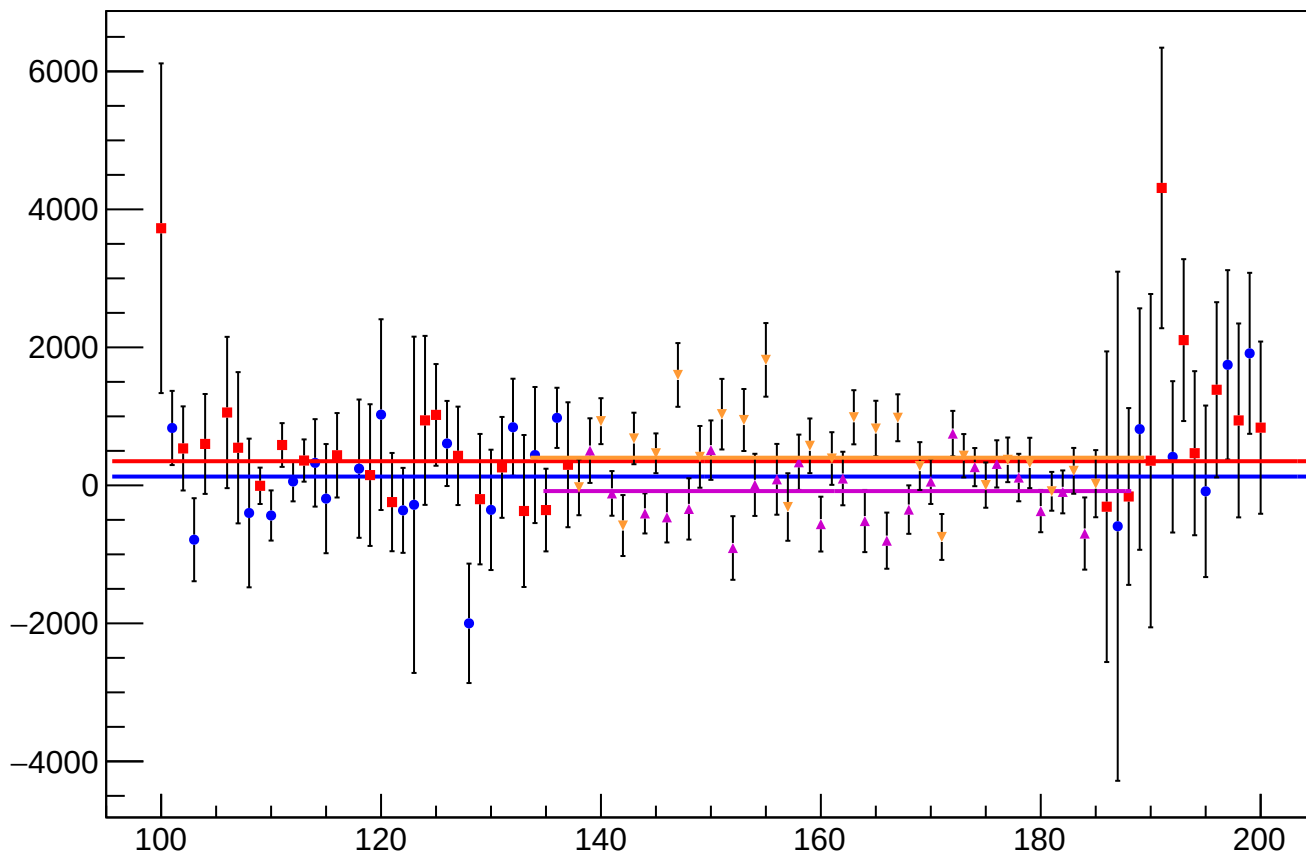
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 844.378+/-0.123 χ^2/NDF : 10312309.2/47

All: 852.786+/-0.087 χ^2/NDF : 21770817.4/98

- sign 861.246+/-0.123 χ^2/NDF : 11449057.9/50

asym_sam7_mean vs Slug



Right In: 127.563 $\pm$ 138.859 χ^2 /NDF: 24.0/22

Left Out: 400.988 $\pm$ 74.546 χ^2 /NDF: 52.1/24

Right Out: 349.963 $\pm$ 125.231 χ^2 /NDF: 16.3/27

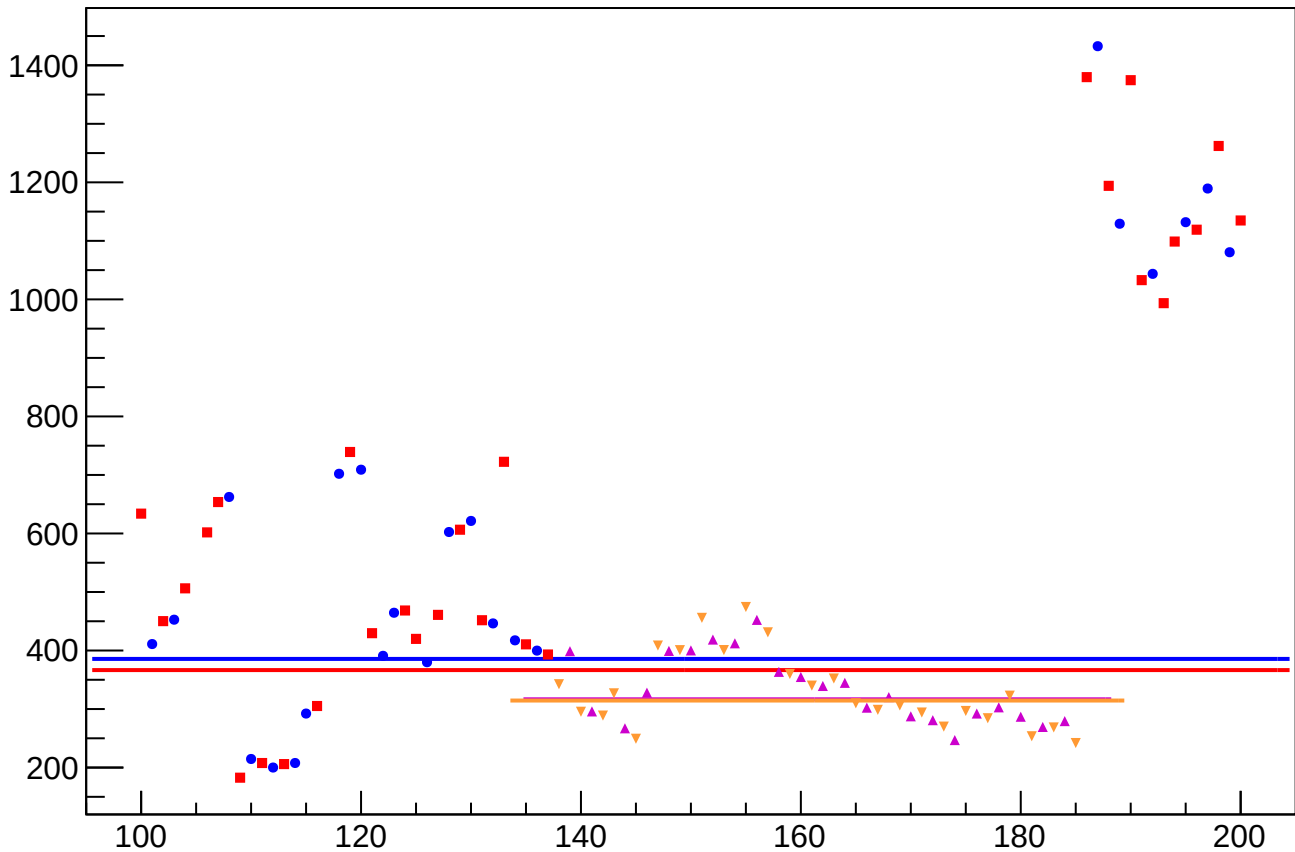
Left In: -82.890 $\pm$ 76.904 χ^2 /NDF: 29.0/22

+ sign 339.815 $\pm$ 65.680 χ^2 /NDF: 79.1/47

All: 187.390 $\pm$ 46.391 χ^2 /NDF: 143.8/98

- sign 35.645 $\pm$ 65.533 χ^2 /NDF: 54.0/50

asym_sam7_rms vs Slug



Right In: 385.652 ± 0.098 $\chi^2/\text{NDF}: 5580962.2/22$

Left Out: 314.538 ± 0.053 $\chi^2/\text{NDF}: 1112445.6/24$

Right Out: 366.559 ± 0.089 $\chi^2/\text{NDF}: 8533919.5/27$

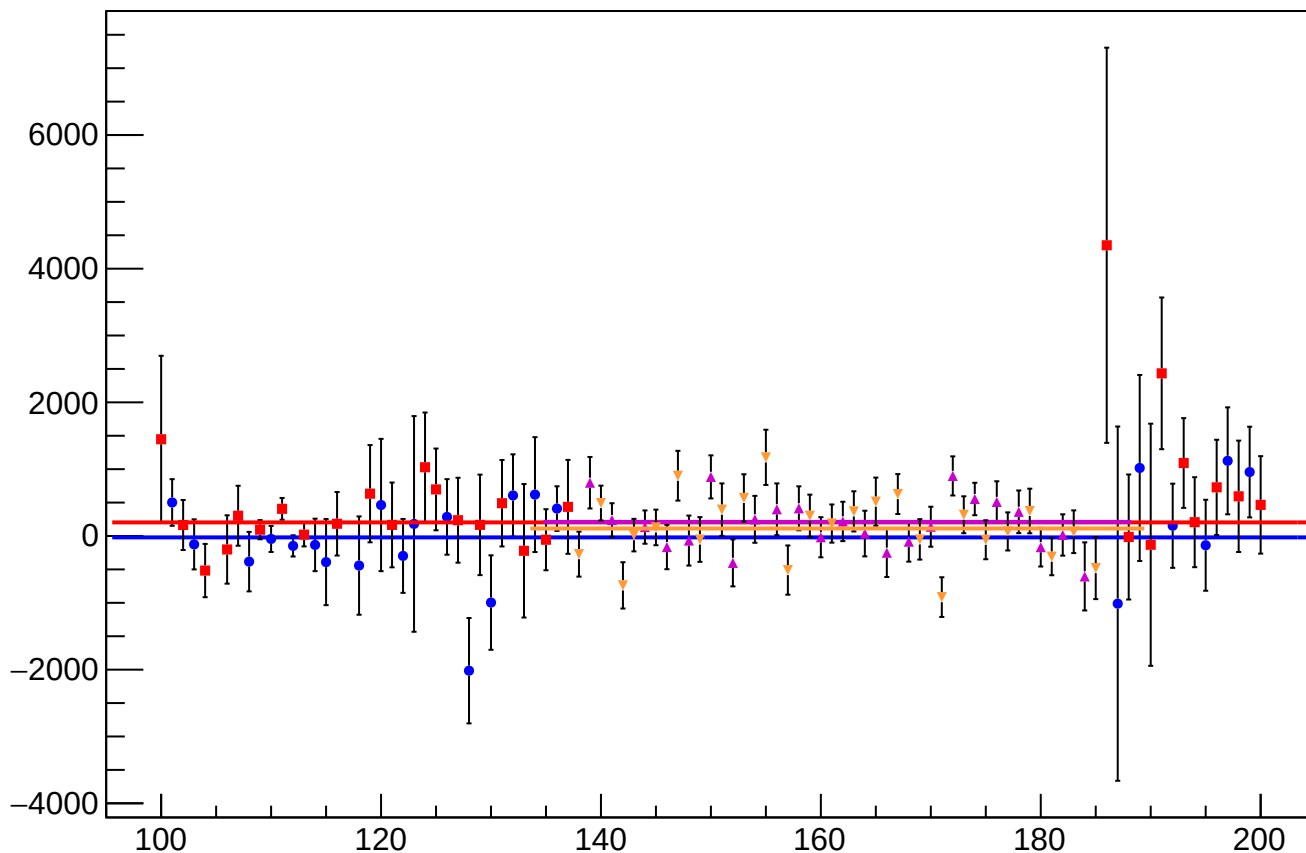
Left In: 316.647 ± 0.054 $\chi^2/\text{NDF}: 920874.0/22$

+ sign 330.448 ± 0.046 $\chi^2/\text{NDF}: 7100601.5/47$

All: 330.381 ± 0.033 $\chi^2/\text{NDF}: 16786098.8/98$

- sign 330.315 ± 0.046 $\chi^2/\text{NDF}: 9685493.1/50$

asym_sam8_mean vs Slug



Right In: -20.891 ± 87.489 χ^2/NDF : 21.7/22

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 203.401 ± 74.358 χ^2/NDF : 19.6/27

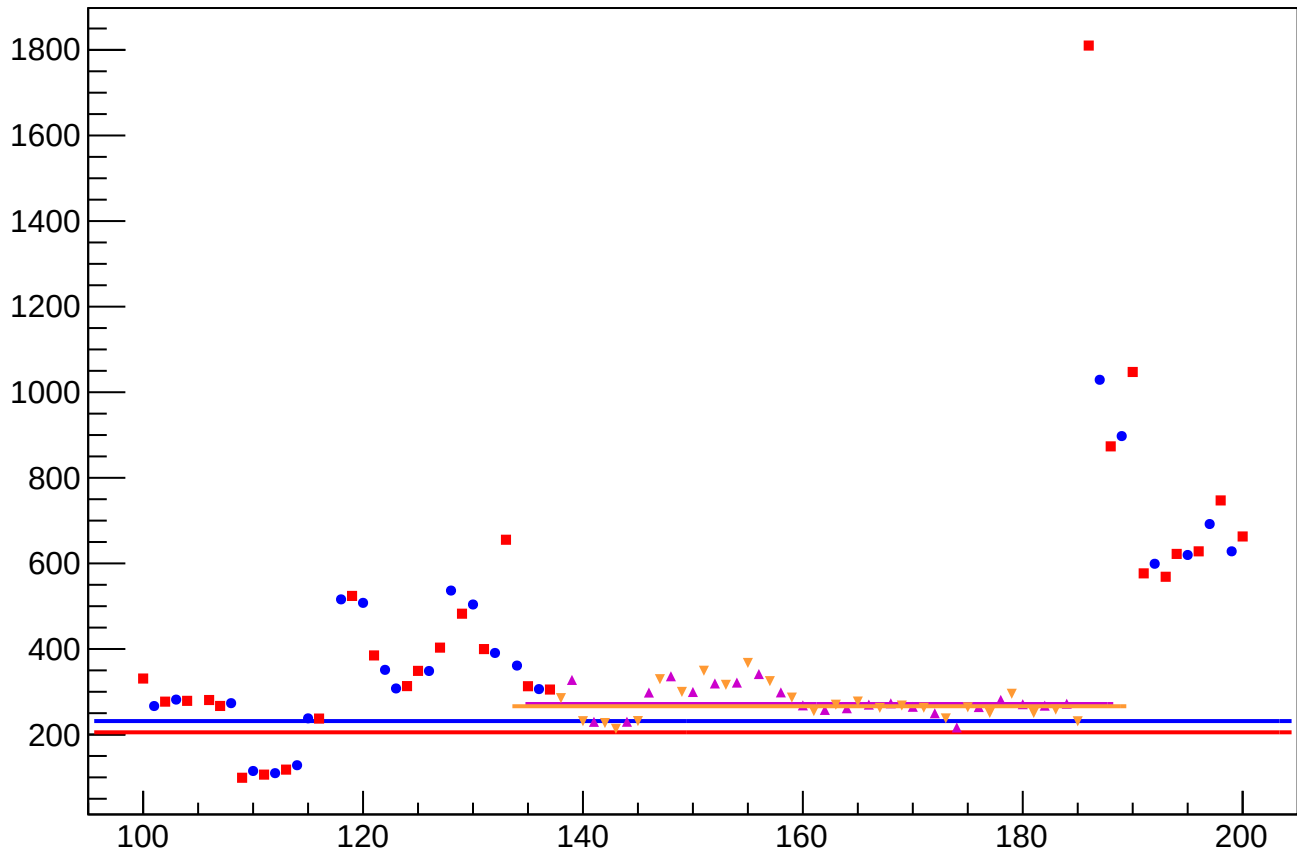
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 67.121 ± 50.933 χ^2/NDF : 72.4/47

All: 139.737 ± 35.370 χ^2/NDF : 125.0/98

- sign 207.371 ± 49.155 χ^2/NDF : 48.7/50

asym_sam8_rms vs Slug



Right In: 231.562 $\pm$ 0.062 χ^2 /NDF: 6936359.6/22

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 205.272 $\pm$ 0.053 χ^2 /NDF: 10415238.8/27

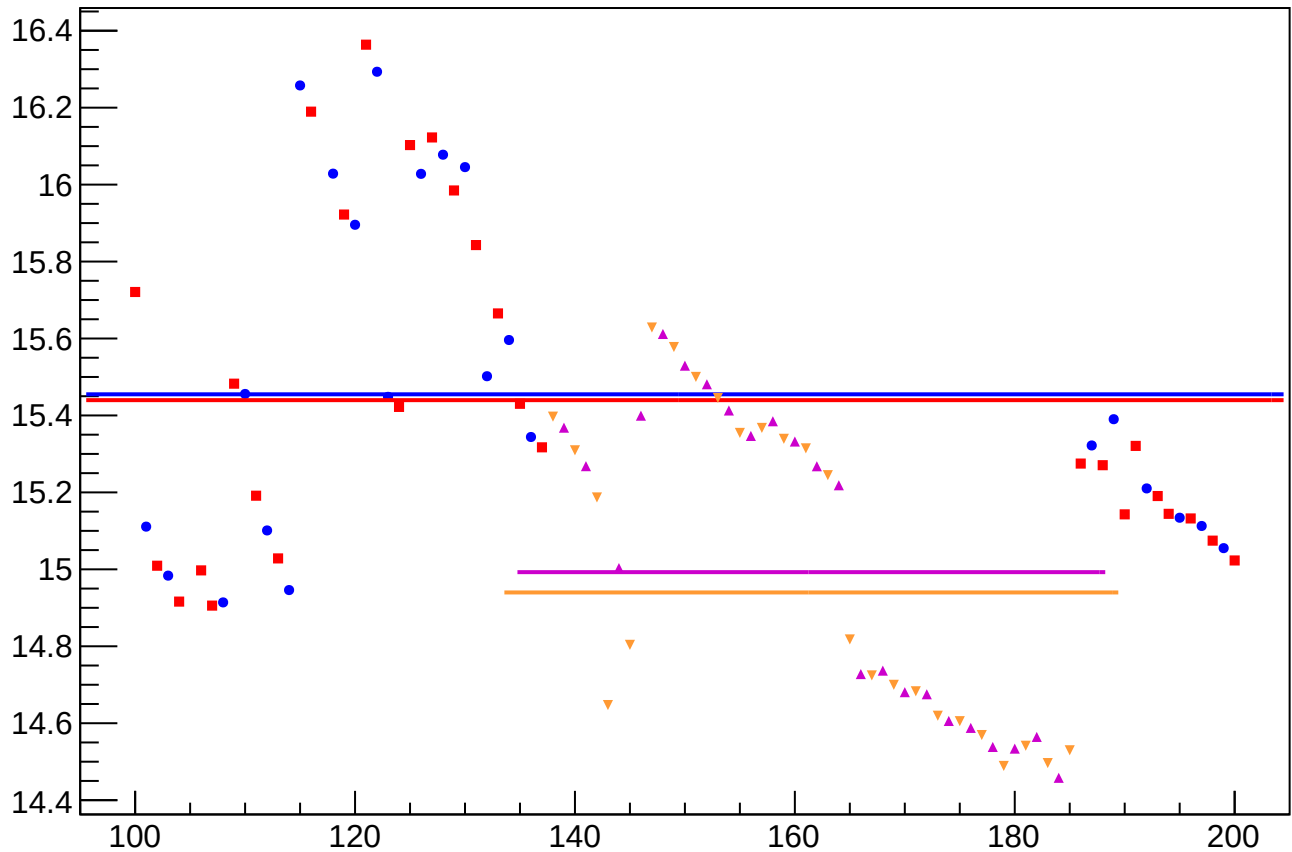
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 254.465 $\pm$ 0.036 χ^2 /NDF: 7793318.8/47

All: 248.276 $\pm$ 0.025 χ^2 /NDF: 19678413.2/98

- sign 242.511 $\pm$ 0.035 χ^2 /NDF: 11828052.1/50

yield_sam1_mean vs Slug



Right In: 15.455+/-0.000 χ^2 /NDF: 8781140311.7/22

Left Out: 14.940+/-0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.440+/-0.000 χ^2 /NDF: 9519988903.9/27

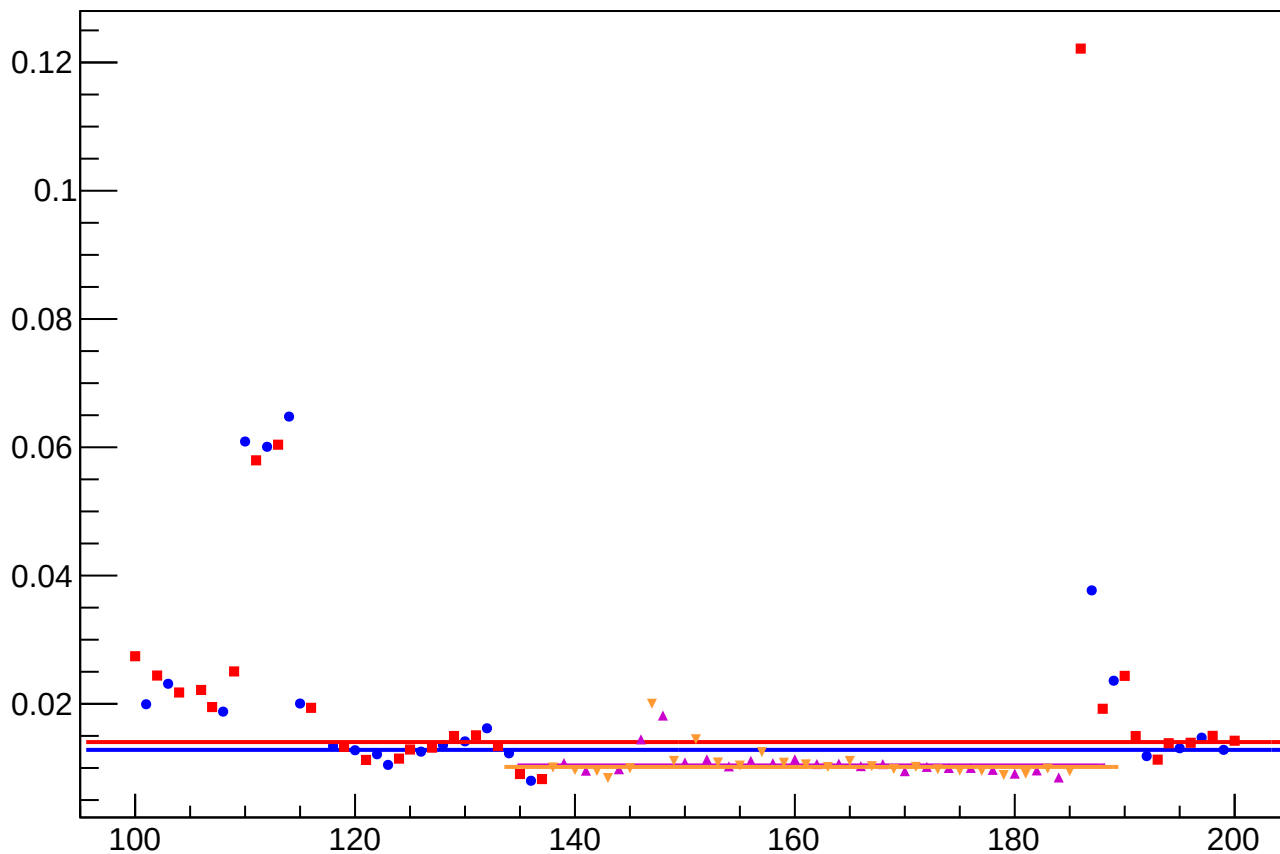
Left In: 14.993+/-0.000 χ^2 /NDF: 22023159634.7/22

+ sign 15.065+/-0.000 χ^2 /NDF: 43754614923.9/47

All: 15.087+/-0.000 χ^2 /NDF: 83509222864.2

- sign 15.110+/-0.000 χ^2 /NDF: 39536368444.5/50

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2483916.6/22

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2981135.2/27

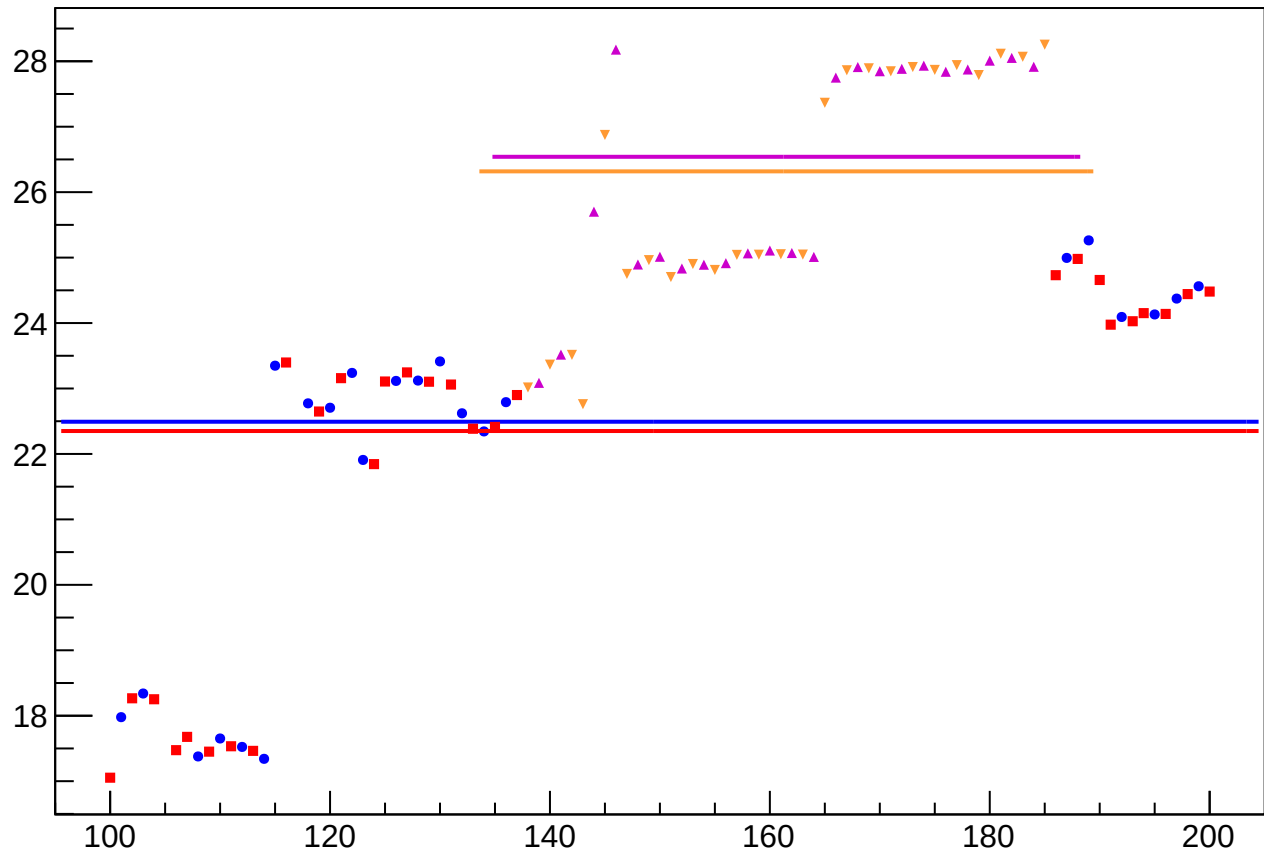
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3775239.0/47

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8425124.4/98

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4586329.4/50

yield_sam2_mean vs Slug



Right In: 22.492+/-0.000 χ^2 /NDF: 1076317284.5/22

Left Out: 26.318+/-0.000 χ^2 /NDF: 4715403741.0/24

Right Out: 22.350+/-0.000 χ^2 /NDF: 1312979156.0/27

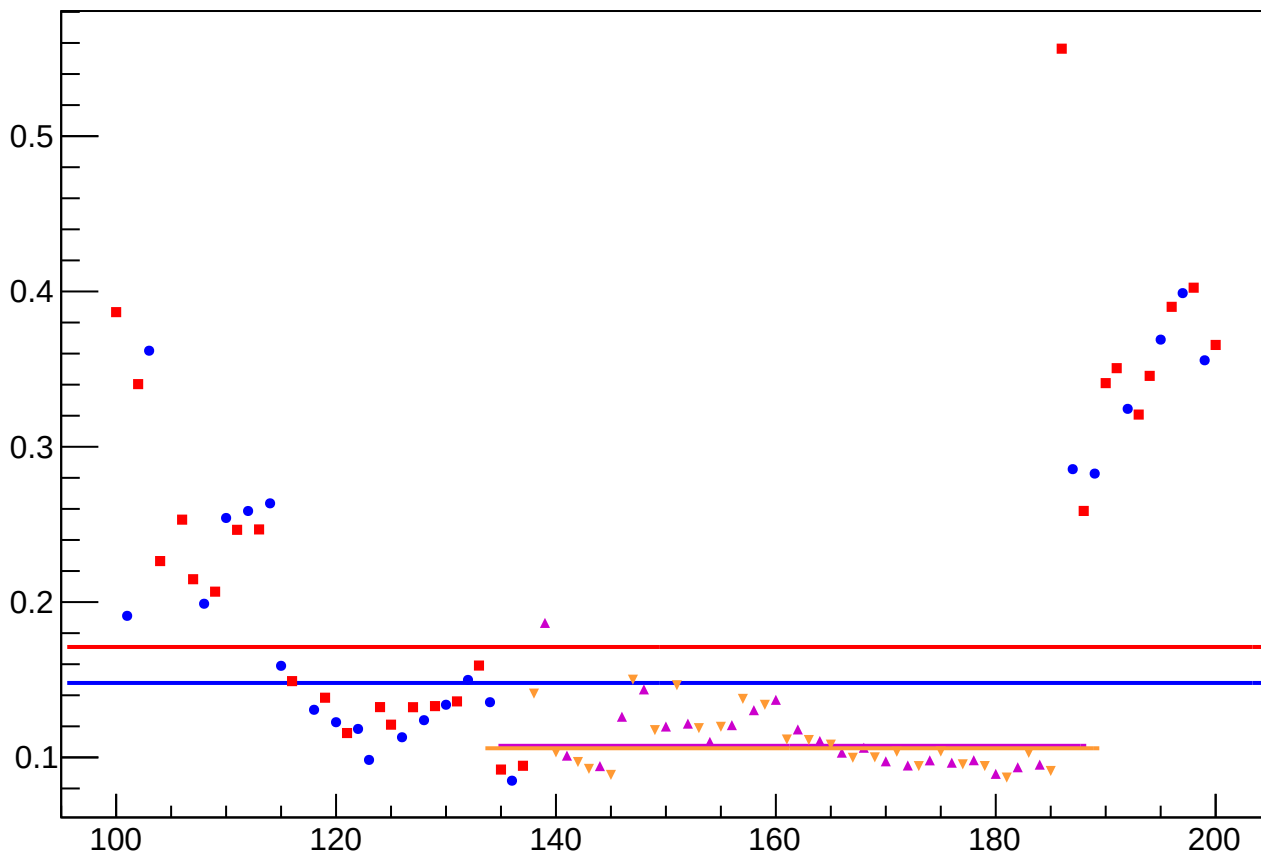
Left In: 26.540+/-0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.569+/-0.000 χ^2 /NDF: 9831460464.1/47

All: 25.633+/-0.000 χ^2 /NDF: 19014967411.7

- sign 25.703+/-0.000 χ^2 /NDF: 9168407986.6/50

yield_sam2_rms vs Slug



Right In: 0.148 $\pm$ 0.000 χ^2 /NDF: 4288053.8/22

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF:732883.8/24

Right Out: 0.171 $\pm$ 0.000 χ^2 /NDF: 4999073.4/27

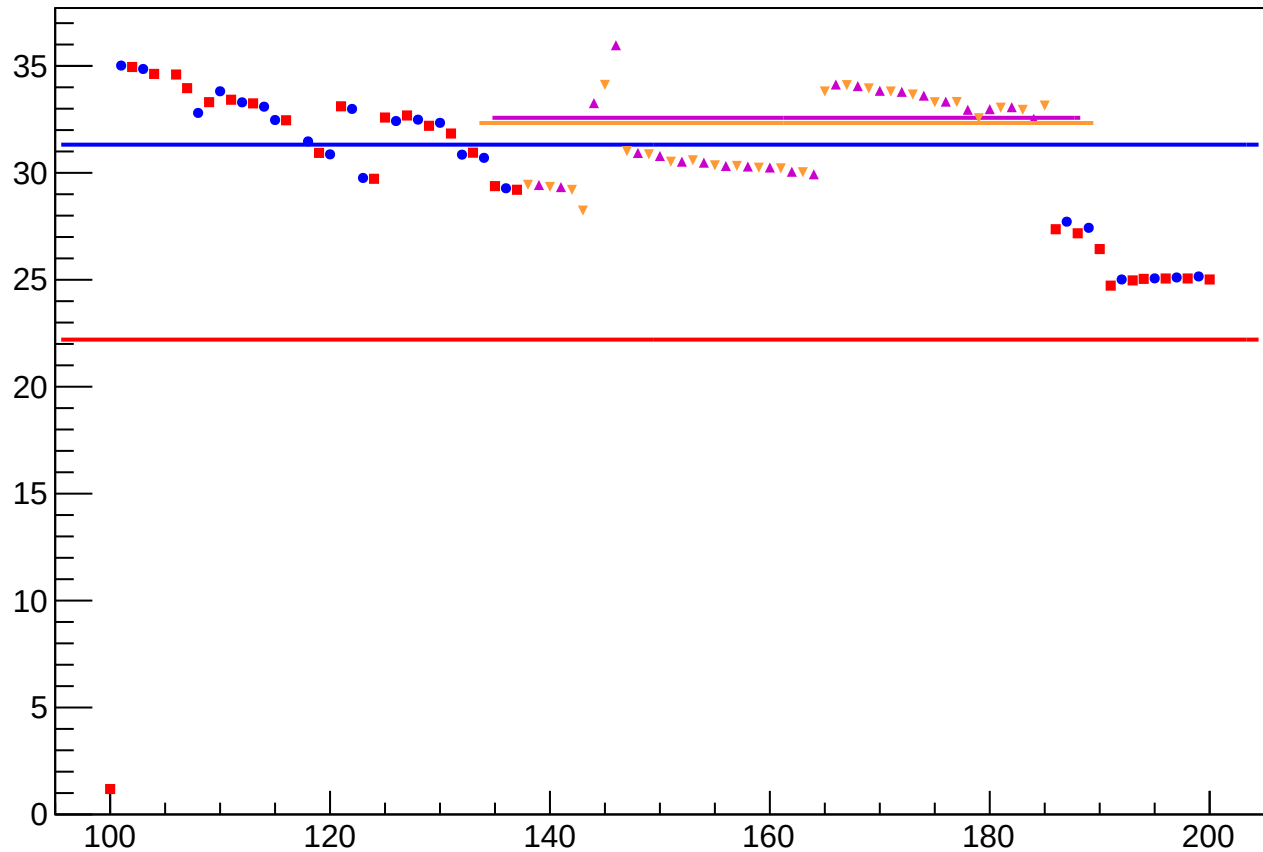
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF:771132.0/22

+ sign 0.114 $\pm$ 0.000 χ^2 /NDF: 5997666.7/47

All: 0.117 $\pm$ 0.000 χ^2 /NDF: 13926937.5/98

- sign 0.120 $\pm$ 0.000 χ^2 /NDF: 7867182.9/50

yield_sam3_mean vs Slug



Right In: 31.319+/-0.000 χ^2/NDF : 4365985847.0/22

Left Out: 32.331+/-0.000 χ^2/NDF : 12850475096.2/24

Right Out: 22.203+/-0.000 χ^2/NDF : 230855155410.8/27

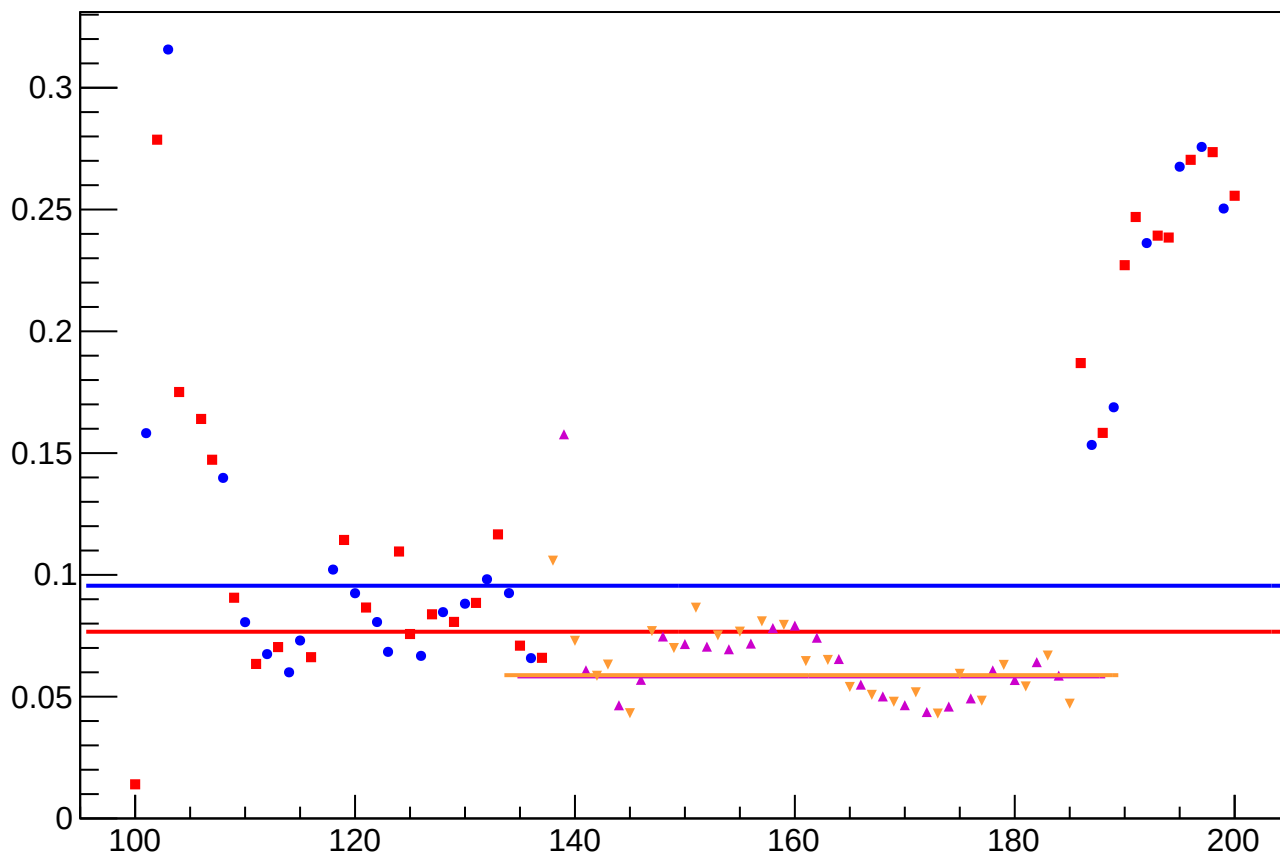
Left In: 32.574+/-0.000 χ^2/NDF : 11797772603.7/22

+ sign 32.168+/-0.000 χ^2/NDF : 17894359071.8/47

All: 31.154+/-0.000 χ^2/NDF : 367658852379.

- sign 30.181+/-0.000 χ^2/NDF : 339923753562.3/50

yield_sam3_rms vs Slug



Right In: 0.096 $\pm$ 0.000 χ^2 /NDF: 4194983.2/22

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

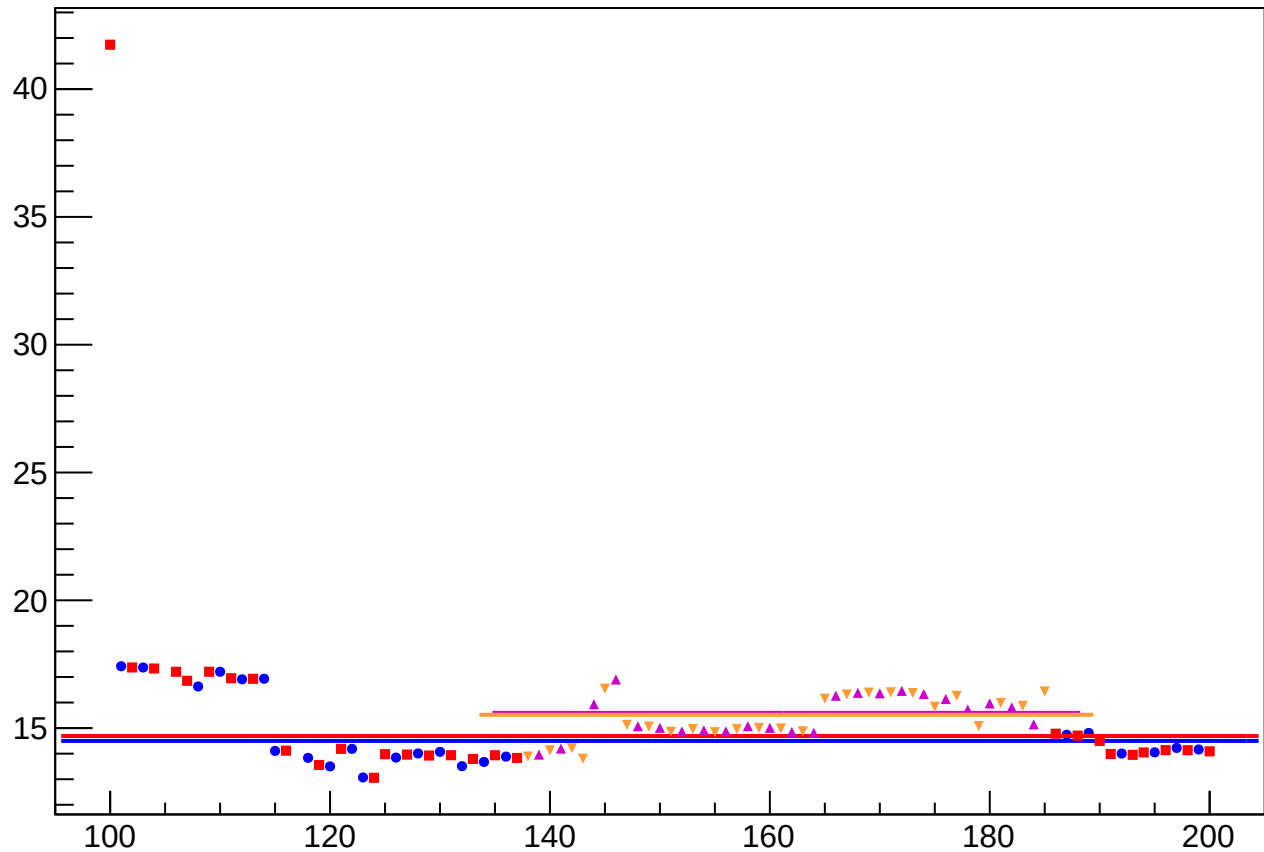
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.065 $\pm$ 0.000 χ^2 /NDF: 7380268.7/47

All: 0.064 $\pm$ 0.000 χ^2 /NDF: 18713368.9/98

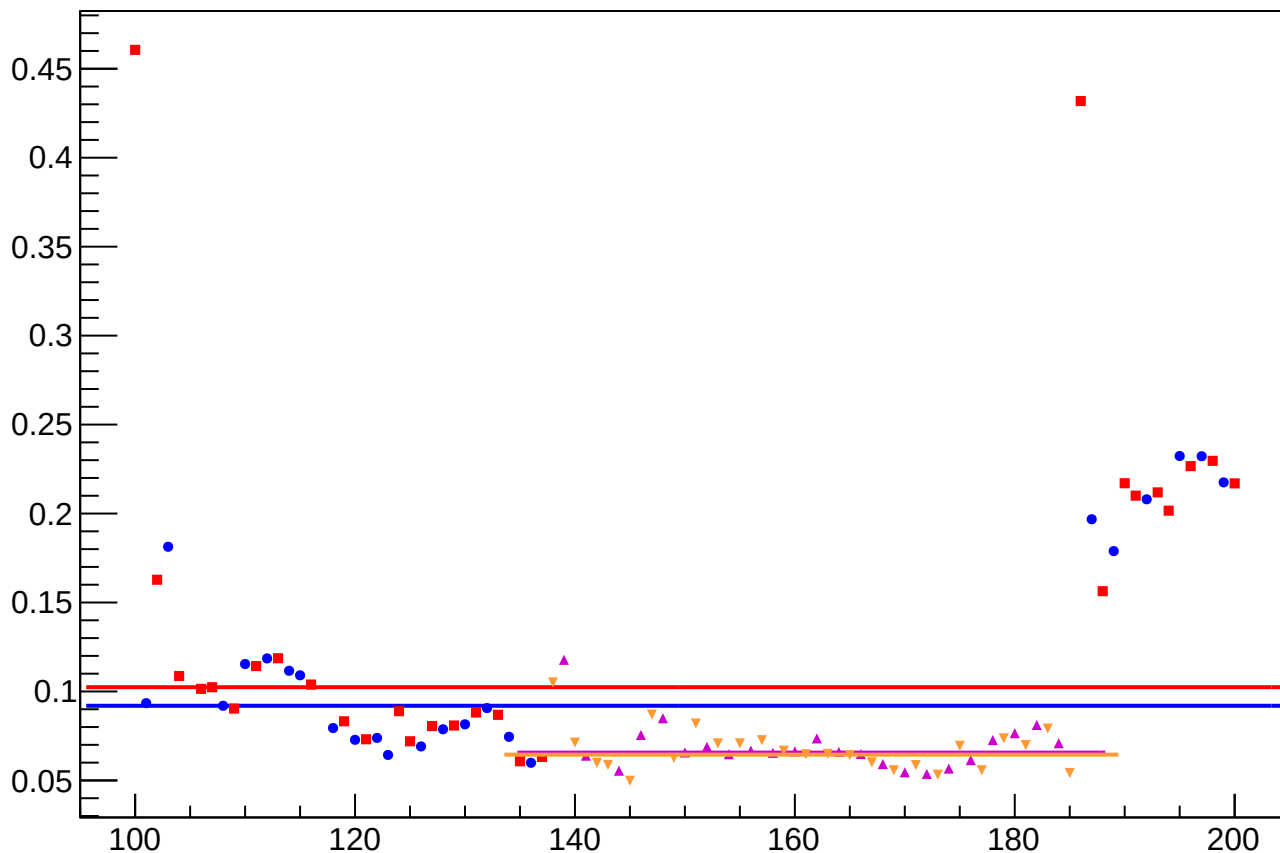
- sign 0.063 $\pm$ 0.000 χ^2 /NDF: 11308802.3/50

yield_sam4_mean vs Slug



Right In: 14.499+/-0.000	χ^2/NDF : 1498618781.1/22	+ sign 15.316+/-0.000	χ^2/NDF : 4876561408.6/47
Left Out: 15.521+/-0.000	χ^2/NDF : 2591377740.5/24	All: 15.357+/-0.000	χ^2/NDF : 9345067161.0/50
Right Out: 14.691+/-0.000	χ^2/NDF : 1942620198.7/27	- sign 15.402+/-0.000	χ^2/NDF : 4451619090.5/50
Left In: 15.595+/-0.000	χ^2/NDF : 1908733580.5/22		

yield_sam4_rms vs Slug



Right In: 0.092 $\pm$ 0.000 χ^2 /NDF: 3537783.1/22

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

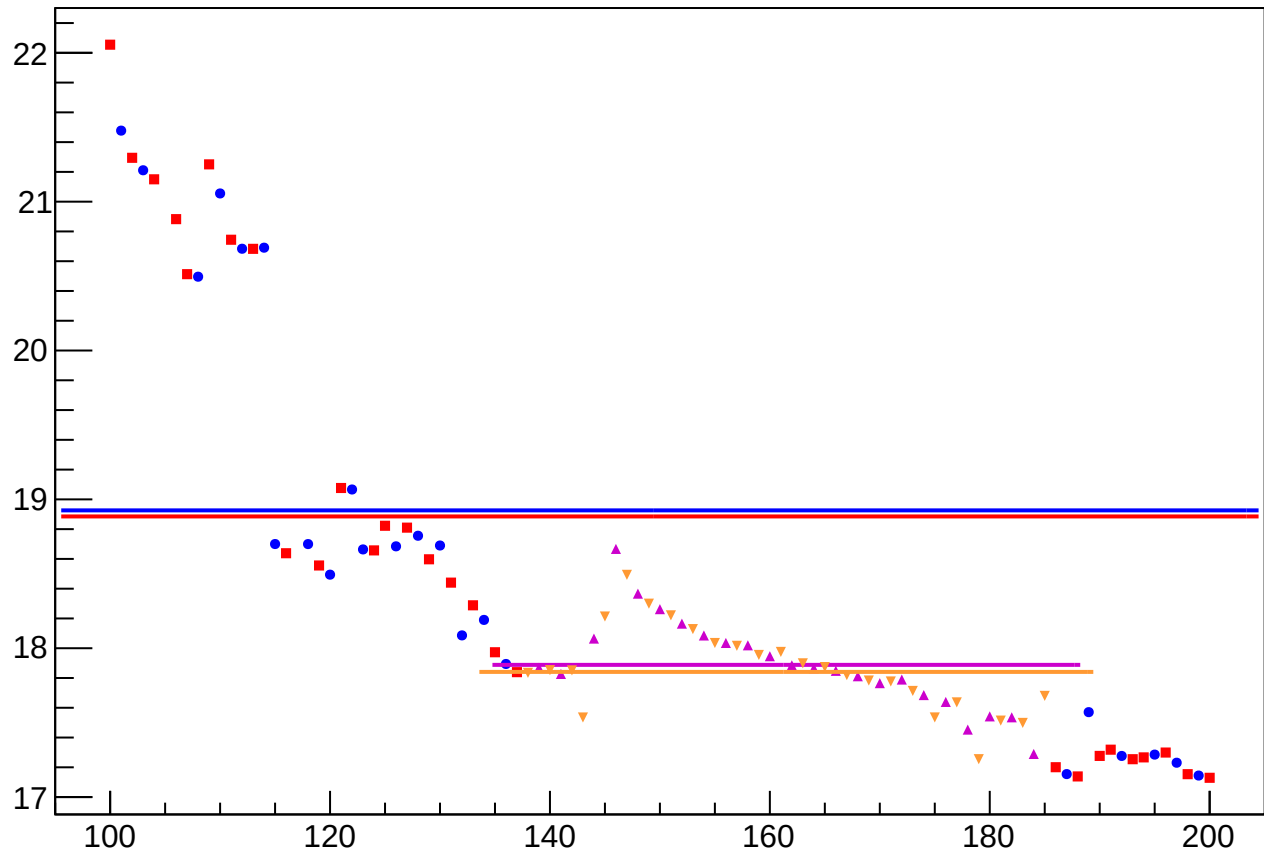
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.070 $\pm$ 0.000 χ^2 /NDF: 5435256.6/47

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 12510741.2/98

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 7020469.5/50

yield_sam5_mean vs Slug



Right In: 18.926 +/- 0.000 χ^2/NDF : 23473391948.5/22

Left Out: 17.841 +/- 0.000 χ^2/NDF : 1283287989.7/24

Right Out: 18.885 +/- 0.000 χ^2/NDF : 27795281441.2/27

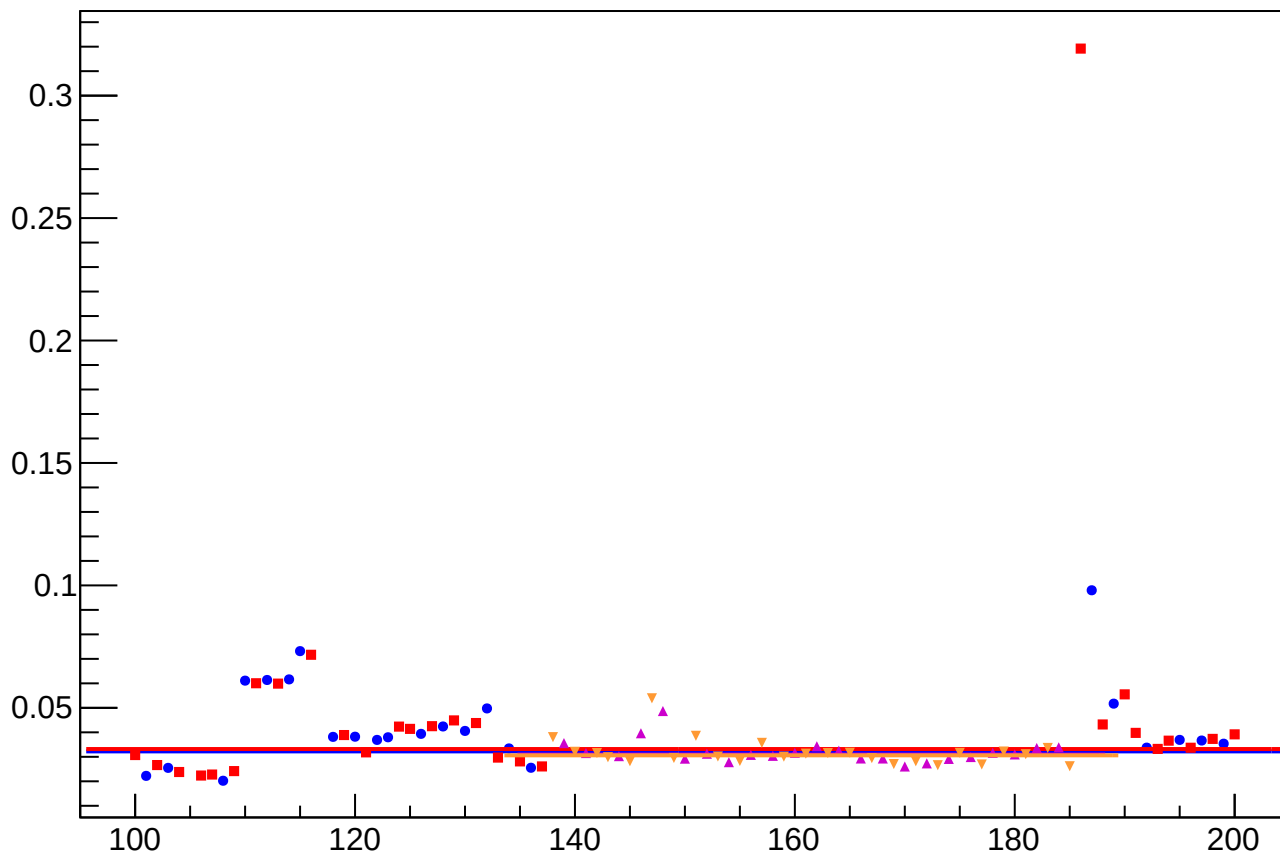
Left In: 17.888 +/- 0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.190 +/- 0.000 χ^2/NDF : 31816040845.1/47

All: 18.222 +/- 0.000 χ^2/NDF : 67192270955.0

- 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: 1673659.1/22

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

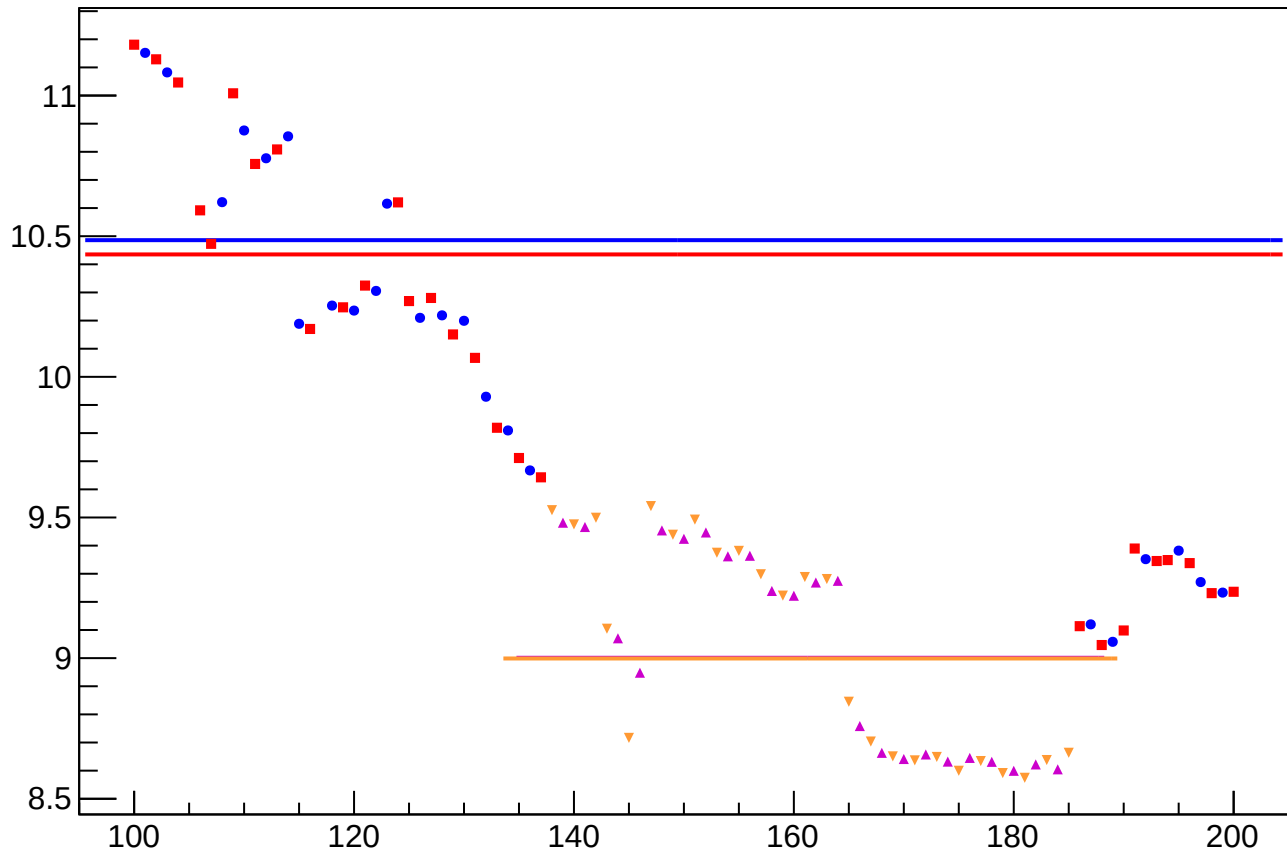
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2295272.9/47

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 4946991.0/98

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2641485.3/50

yield_sam6_mean vs Slug



Right In: 10.486 $\pm$ 0.000 χ^2 /NDF: 10763328778.0/22

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.435 $\pm$ 0.000 χ^2 /NDF: 10621320025.2/27

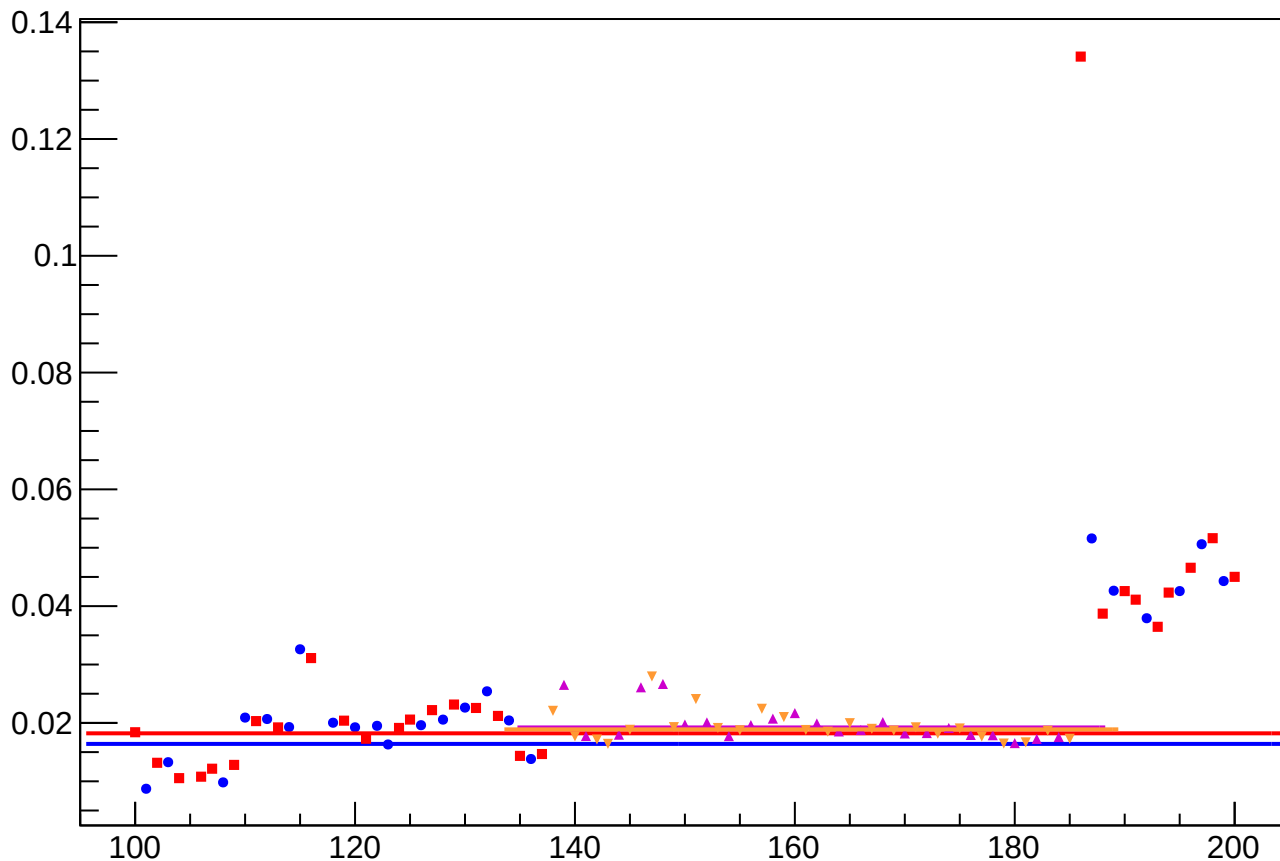
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.555 $\pm$ 0.000 χ^2 /NDF: 56050996403.9/47

All: 9.563 $\pm$ 0.000 χ^2 /NDF: 106980530430.7

- sign 9.571 $\pm$ 0.000 χ^2 /NDF: 50920489133.2/50

yield_sam6_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 4628008.0/22

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.018+/-0.000 χ^2/NDF : 5556119.3/27

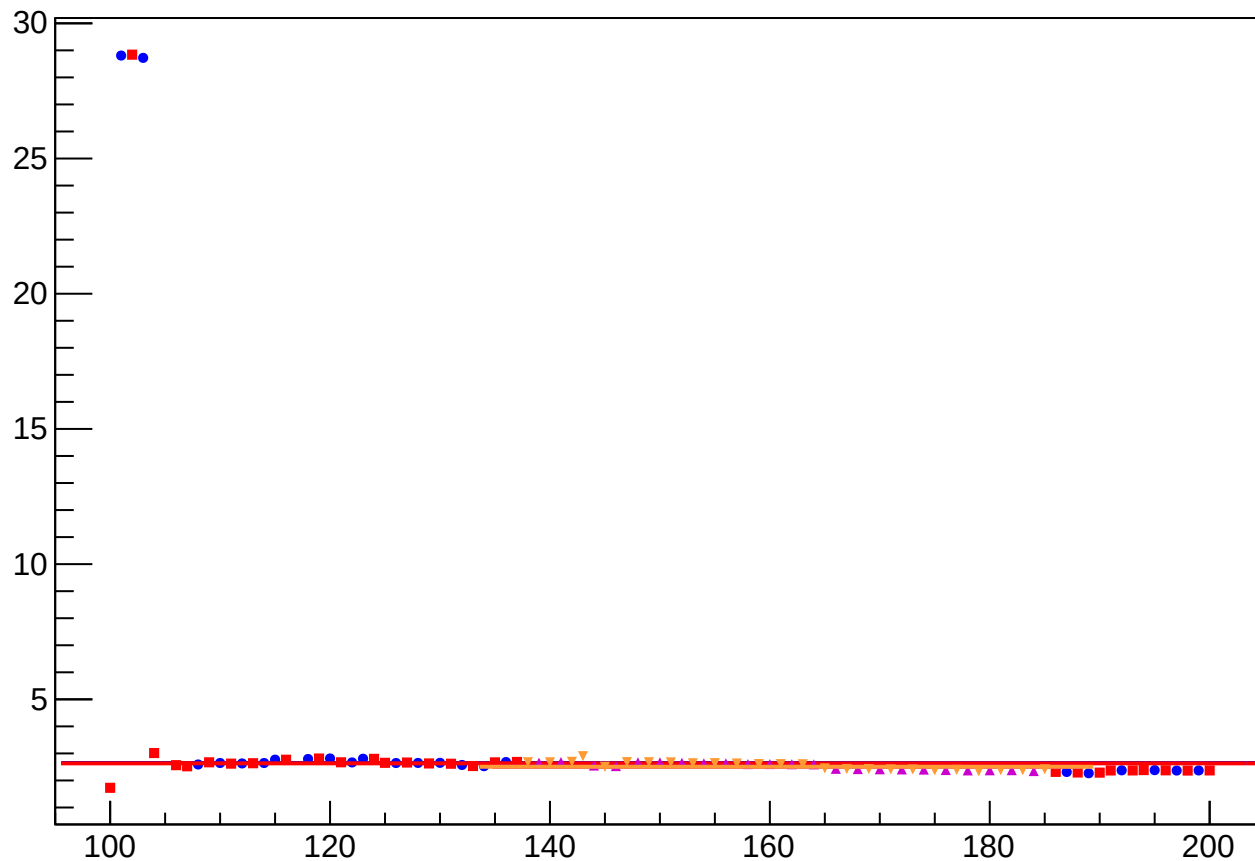
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.018+/-0.000 χ^2/NDF : 5274679.0/47

All: 0.018+/-0.000 χ^2/NDF : 11401188.4/98

- sign 0.019+/-0.000 χ^2/NDF : 6072537.9/50

yield_sam7_mean vs Slug



Right In: 2.646 $\pm$ 0.000 χ^2 /NDF: 170837250331.3/22

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

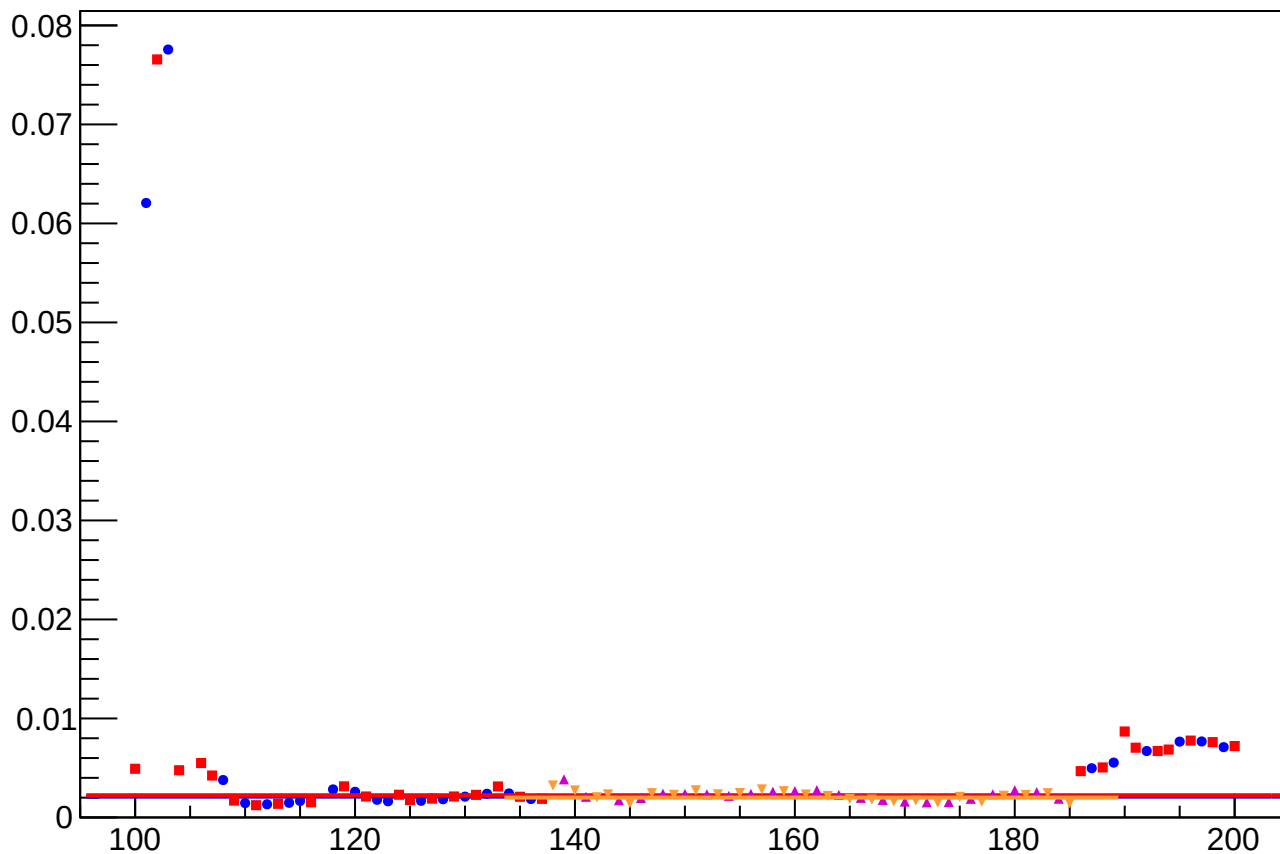
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.546 $\pm$ 0.000 χ^2 /NDF: 255029368568.3/47

All: 2.546 $\pm$ 0.000 χ^2 /NDF: 398096437583.8

- 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: 6604704.7/22

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

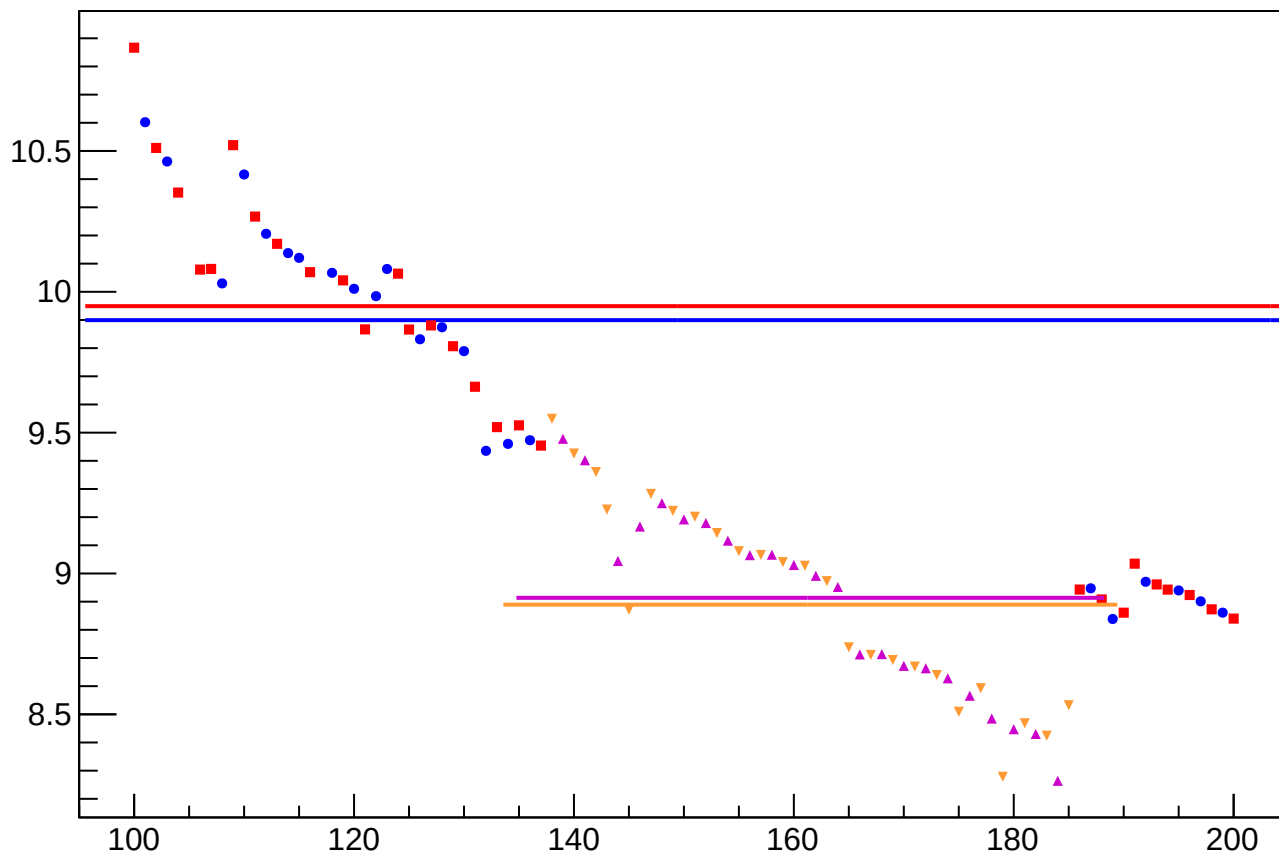
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8092865.2/47

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 17321722.2/98

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 9193164.0/50

yield_sam8_mean vs Slug



Right In: 9.899 $\pm$ 0.000 χ^2 /NDF: 36408551497.0/22

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

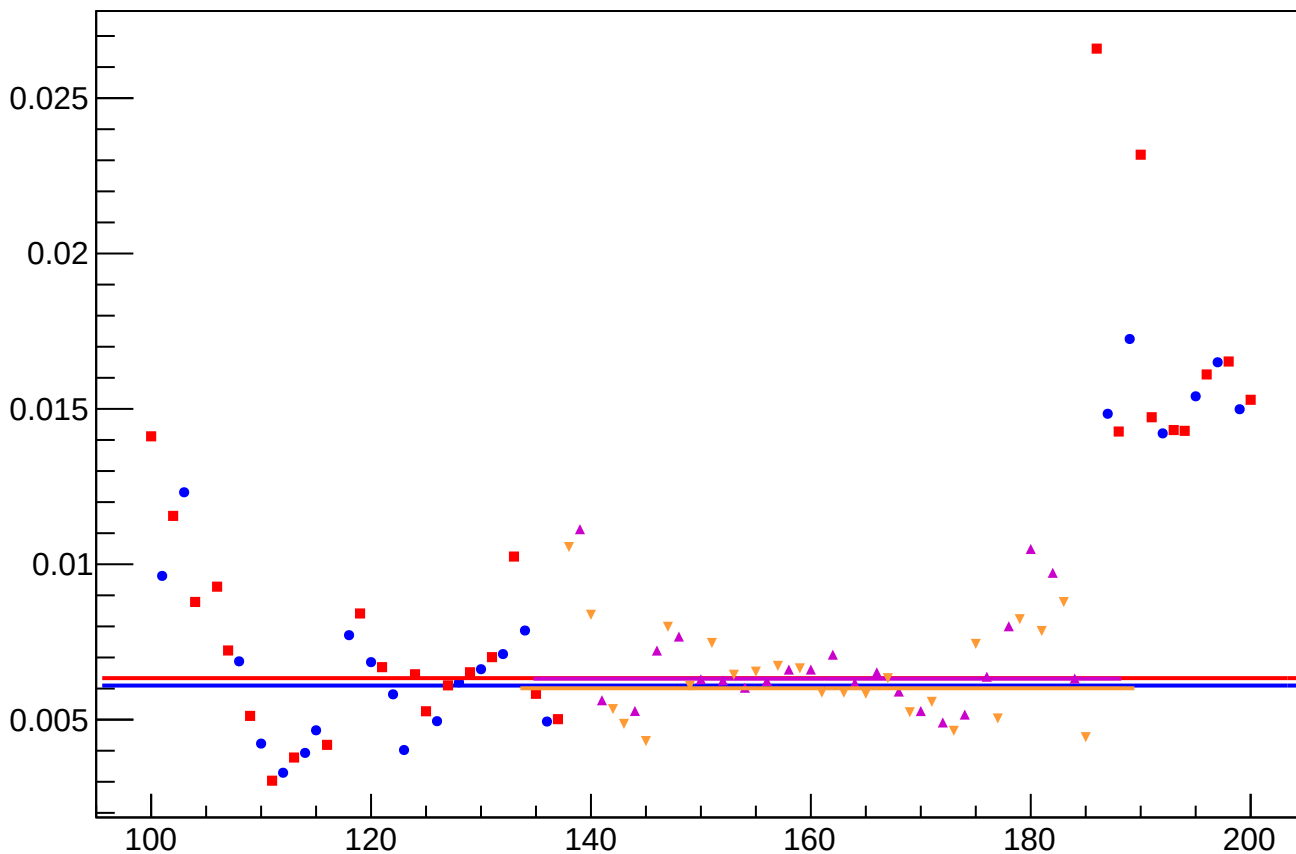
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.222 $\pm$ 0.000 χ^2 /NDF: 206299249605.4/47

All: 9.264 $\pm$ 0.000 χ^2 /NDF: 423780374105.1

- 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 : 4306836.3/22

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

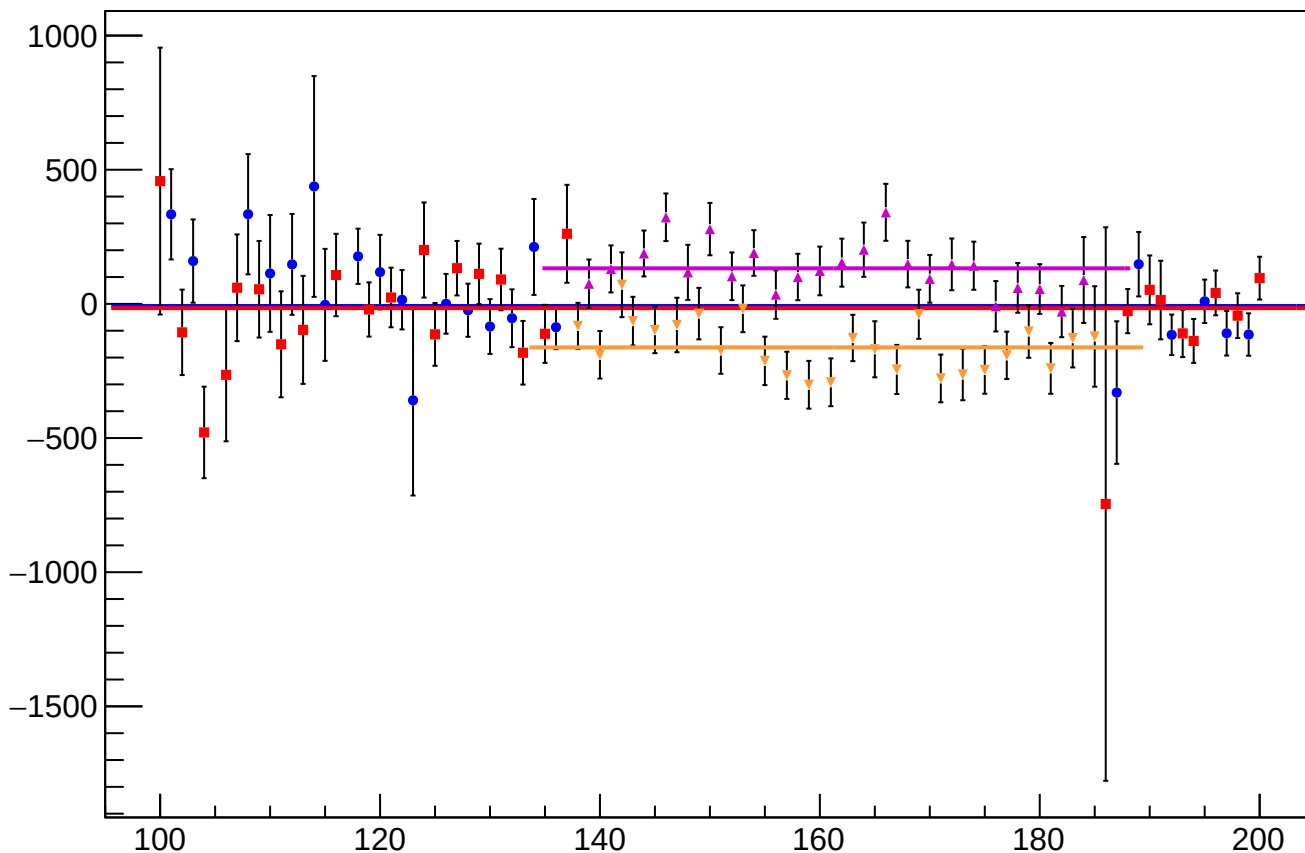
Left In: 0.006 $\pm$ 0.000 χ^2/NDF :1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2/NDF : 5621395.0/47

All: 0.006 $\pm$ 0.000 χ^2/NDF : 13070006.7/98

- sign 0.006 $\pm$ 0.000 χ^2/NDF : 7400833.9/50

reg_asym_sam1_mean vs Slug



Right In: -7.999 ± 24.447 χ^2/NDF : 26.6/22

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -15.661 ± 22.685 χ^2/NDF : 29.6/27

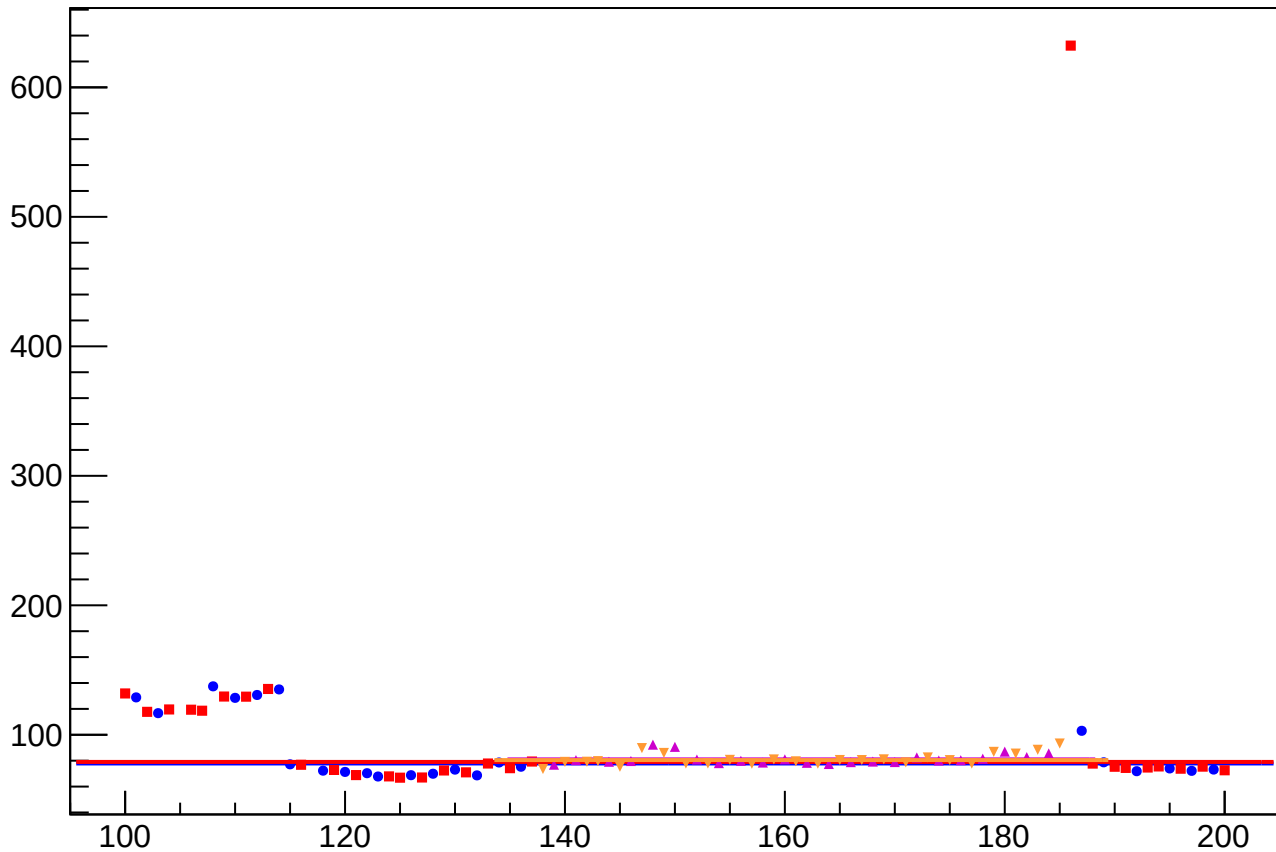
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -105.083 ± 14.875 χ^2/NDF : 77.4/47

All: -16.806 ± 10.472 χ^2/NDF : 222.2/98

- sign 69.936 ± 14.745 χ^2/NDF : 75.0/50

reg_asym_sam1_rms vs Slug



Right In: 77.856+/-0.017 χ^2/NDF : 875808.6/22

Left Out: 80.459+/-0.013 χ^2/NDF : 89942.2/24

Right Out: 79.043+/-0.016 χ^2/NDF : 1546111.8/27

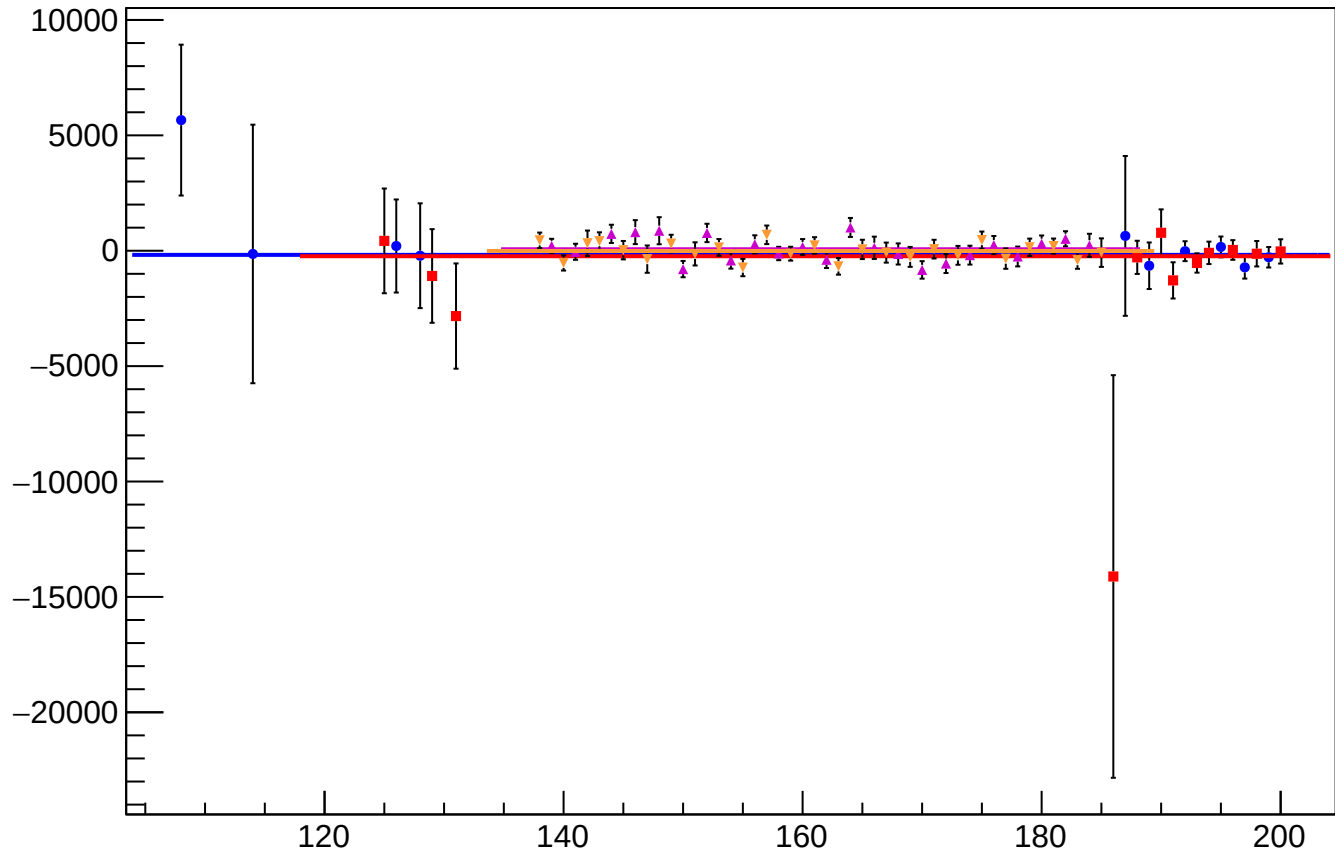
Left In: 81.014+/-0.014 χ^2/NDF : 72250.2/22

+ sign 79.495+/-0.011 χ^2/NDF : 980027.4/47

All: 79.841+/-0.007 χ^2/NDF : 2609251.3/98

- sign 80.181+/-0.010 χ^2/NDF : 1627076.9/50

asym_sam1_correction_mean vs Slug



Right In: -178.459 ± 217.064 χ^2/NDF : 5.5/9

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -238.059 ± 190.487 χ^2/NDF : 8.1/11

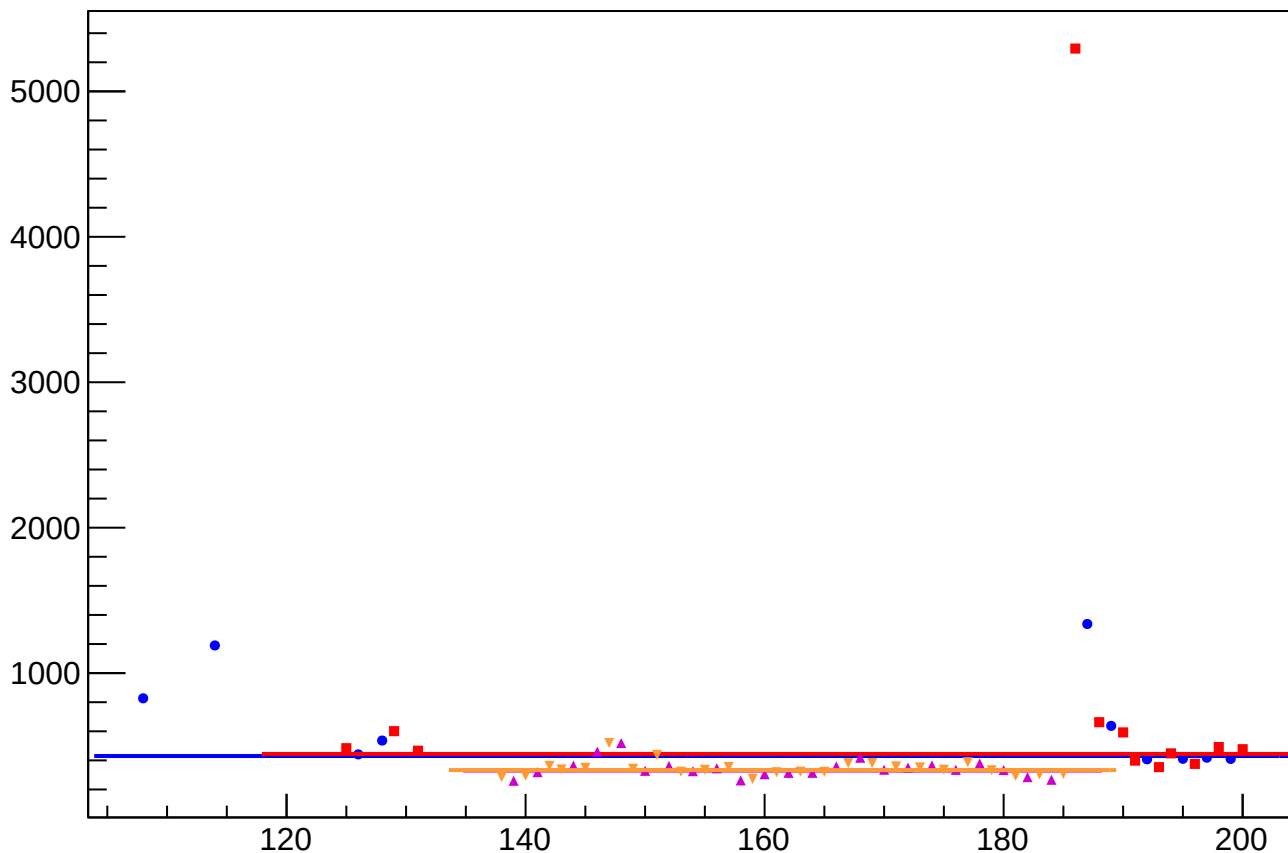
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -29.866 ± 73.730 χ^2/NDF : 28.6/34

All: -5.371 ± 52.158 χ^2/NDF : 76.4/69

- sign 19.168 ± 73.796 χ^2/NDF : 47.6/34

asym_sam1_correction_rms vs Slug



Right In: 430.018 $\pm$ 0.153 χ^2 /NDF: 306866.8/9

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 444.304 $\pm$ 0.135 χ^2 /NDF: 1033142.7/11

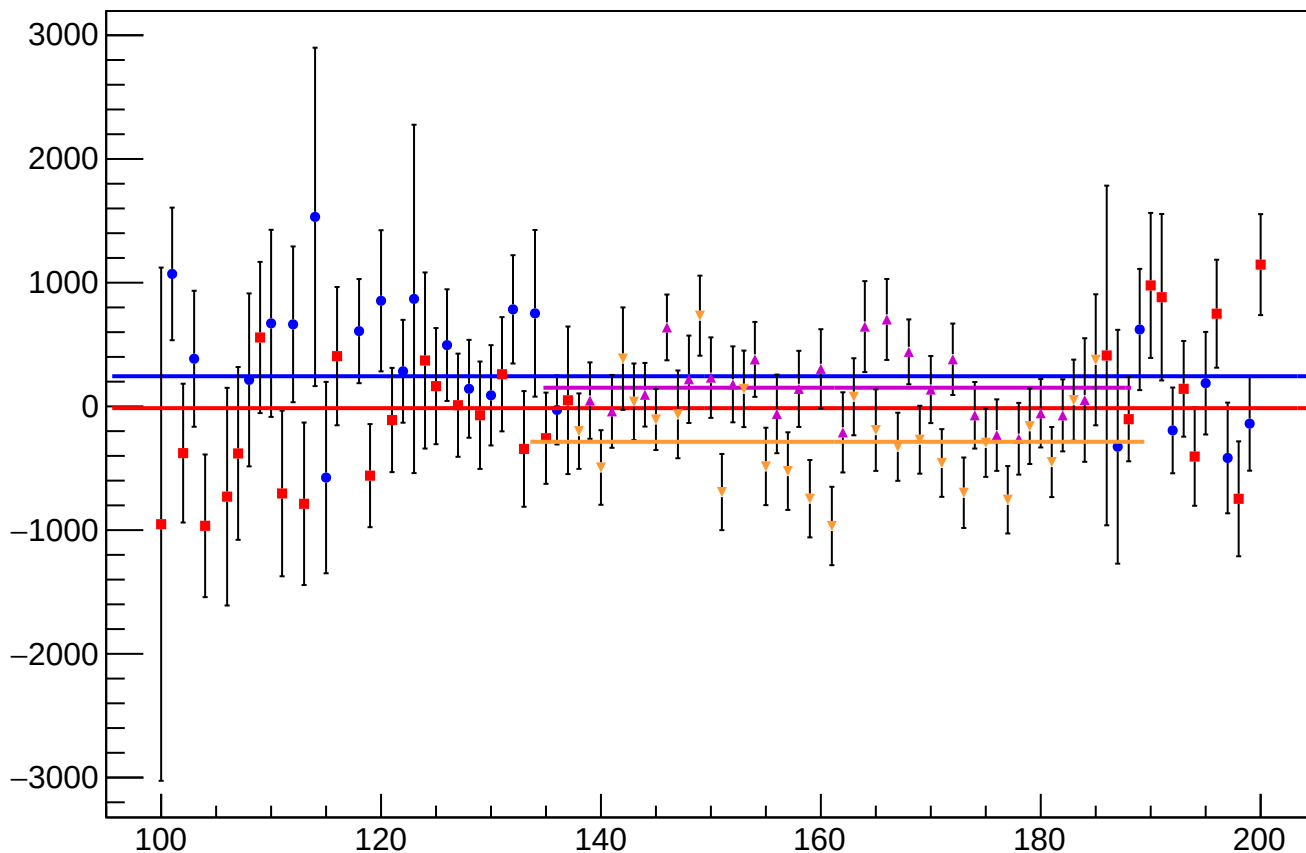
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 344.400 $\pm$ 0.052 χ^2 /NDF: 1250736.8/34

All: 345.770 $\pm$ 0.037 χ^2 /NDF: 3693454.9/69

- sign 347.143 $\pm$ 0.052 χ^2 /NDF: 2441335.4/34

reg_asym_sam2_mean vs Slug



Right In: 243.784 $\pm$ 100.340 χ^2 /NDF: 16.7/22

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

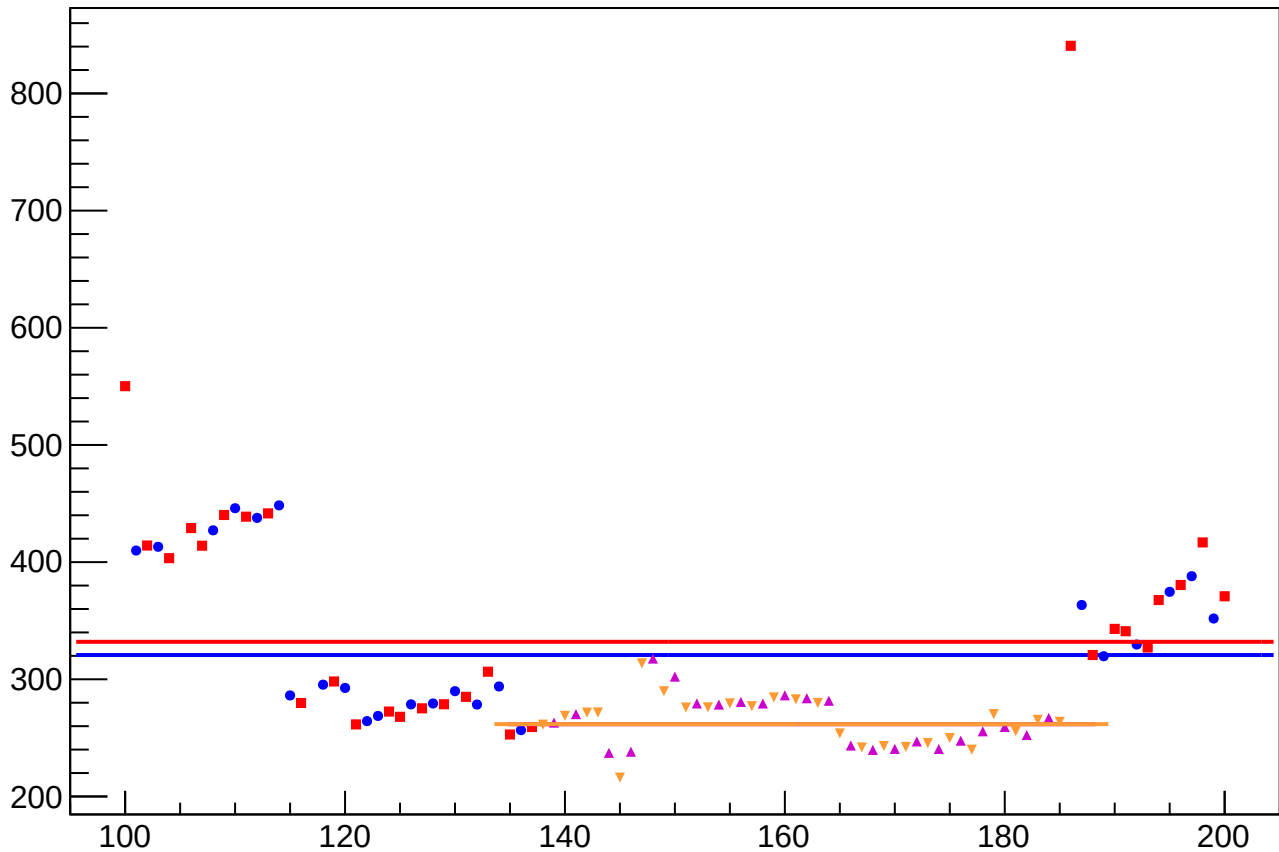
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -142.735 $\pm$ 52.183 χ^2 /NDF: 73.6/47

All: -21.512 $\pm$ 36.950 χ^2 /NDF: 136.5/98

- sign 100.391 $\pm$ 52.329 χ^2 /NDF: 52.1/50

reg_asym_sam2_rms vs Slug



Right In: 320.716 $\pm$ 0.071 χ^2 /NDF: 631548.2/22

Left Out: 261.722 $\pm$ 0.043 χ^2 /NDF: 233222.6/24

Right Out: 331.996 $\pm$ 0.067 χ^2 /NDF: 1074465.6/27

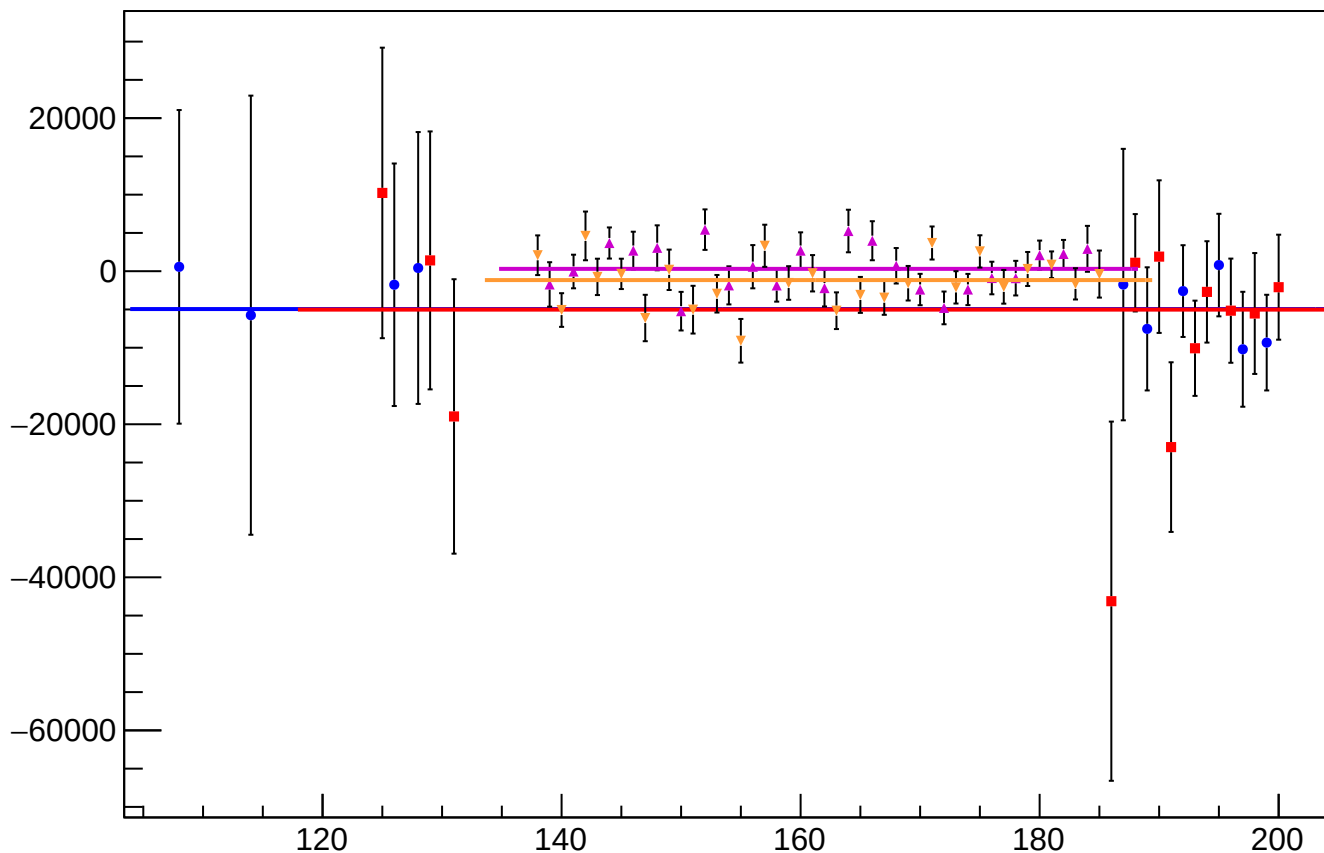
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 277.677 $\pm$ 0.037 χ^2 /NDF: 1369141.0/47

All: 280.417 $\pm$ 0.026 χ^2 /NDF: 3450840.2/98

- sign 283.171 $\pm$ 0.037 χ^2 /NDF: 2070645.9/50

asym_sam2_correction_mean vs Slug



Right In: -4947.745 ± 2853.498 $\chi^2/\text{NDF}: 2.2/9$

Left Out: -1161.443 ± 469.036 $\chi^2/\text{NDF}: 38.8/24$

Right Out: -5017.472 ± 2487.317 $\chi^2/\text{NDF}: 9.0/11$

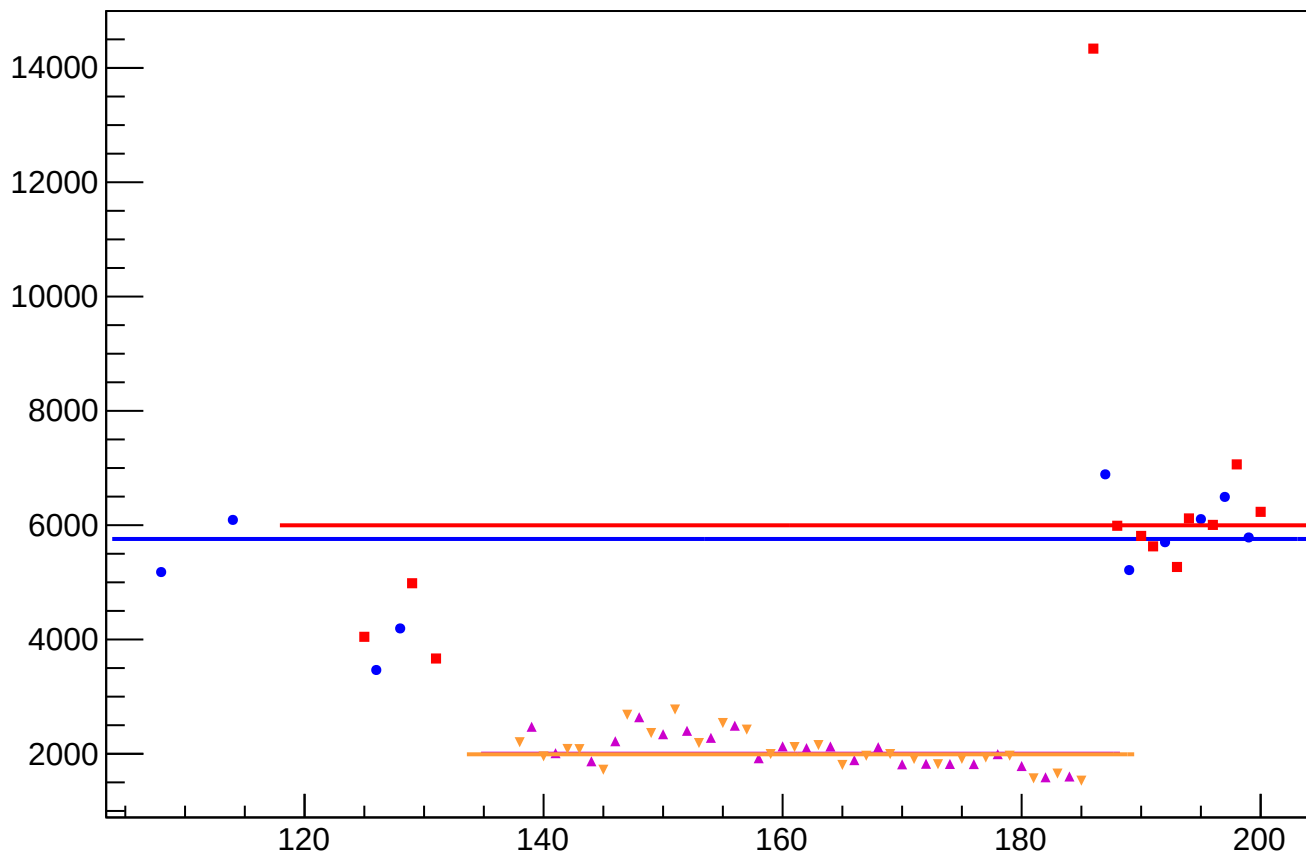
Left In: 304.366 ± 483.778 $\chi^2/\text{NDF}: 35.4/22$

+ sign -1261.051 ± 462.826 $\chi^2/\text{NDF}: 42.7/34$

All: -592.961 ± 331.447 $\chi^2/\text{NDF}: 95.8/69$

- sign 110.382 ± 474.880 $\chi^2/\text{NDF}: 48.8/34$

asym_sam2_correction_rms vs Slug



Right In: 5758.703+/-2.018 χ^2/NDF : 101337.0/9

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5997.789+/-1.759 χ^2/NDF : 384559.2/11

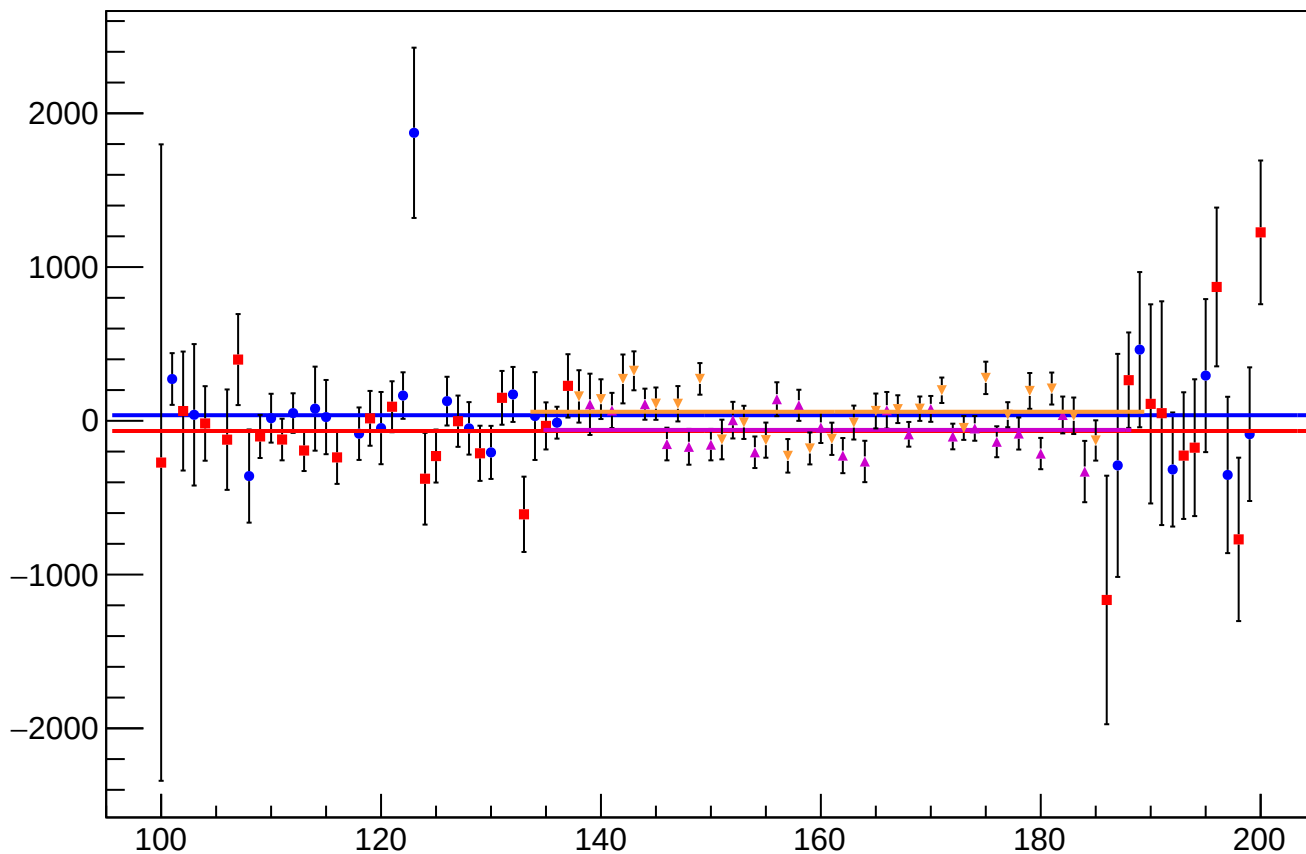
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2090.221+/-0.327 χ^2/NDF : 4222538.9/34

All: 2118.269+/-0.234 χ^2/NDF : 10181064.6/6

- sign 2147.797+/-0.336 χ^2/NDF : 5943447.8/34

reg_asym_sam3_mean vs Slug



Right In: 36.442 ± 42.580 χ^2/NDF : 22.2/22

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -66.185 ± 41.720 χ^2/NDF : 33.2/27

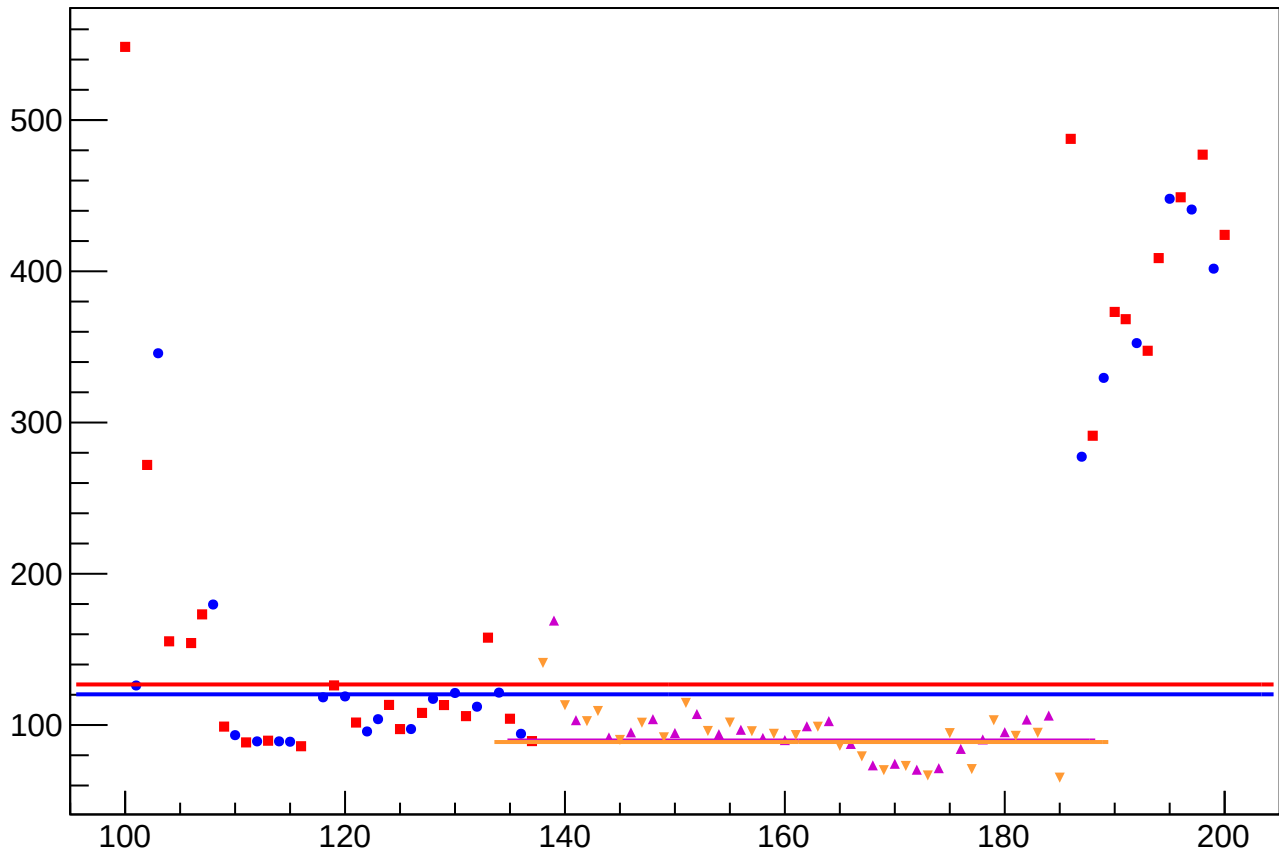
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 54.526 ± 18.933 χ^2/NDF : 69.3/47

All: -1.686 ± 13.552 χ^2/NDF : 149.9/98

- sign -60.738 ± 19.405 χ^2/NDF : 62.6/50

reg_asym_sam3_rms vs Slug



Right In: 120.290 $\pm$ 0.030 χ^2 /NDF: 4744130.2/22

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

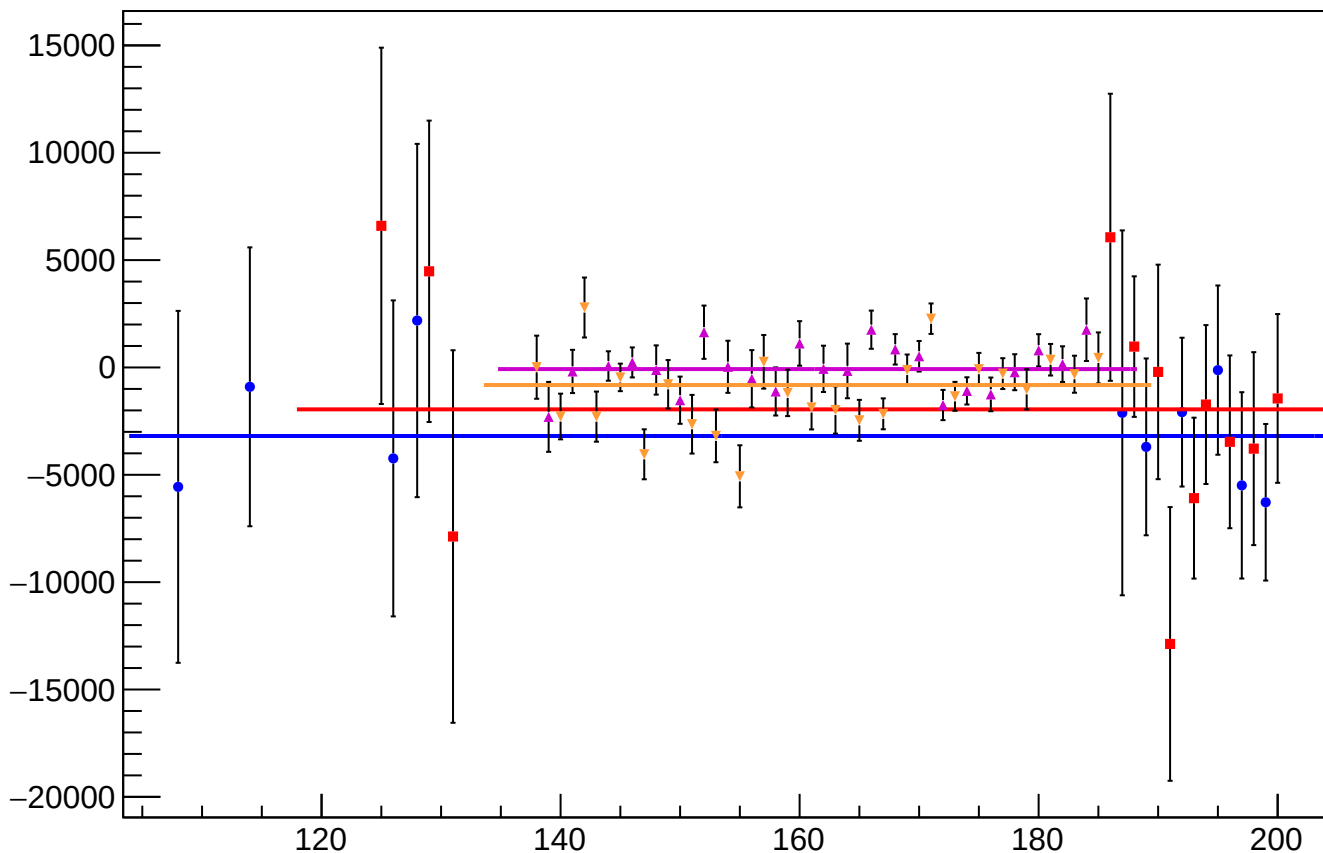
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 94.984 $\pm$ 0.013 χ^2 /NDF: 6703962.6/47

All: 96.349 $\pm$ 0.010 χ^2 /NDF: 15429736.7/98

- sign 97.782 $\pm$ 0.014 χ^2 /NDF: 8704476.5/50

asym_sam3_correction_mean vs Slug



Right In: -3192.313 ± 1541.931 χ^2/NDF : 2.4/9

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: -1951.777 ± 1349.925 χ^2/NDF : 9.2/11

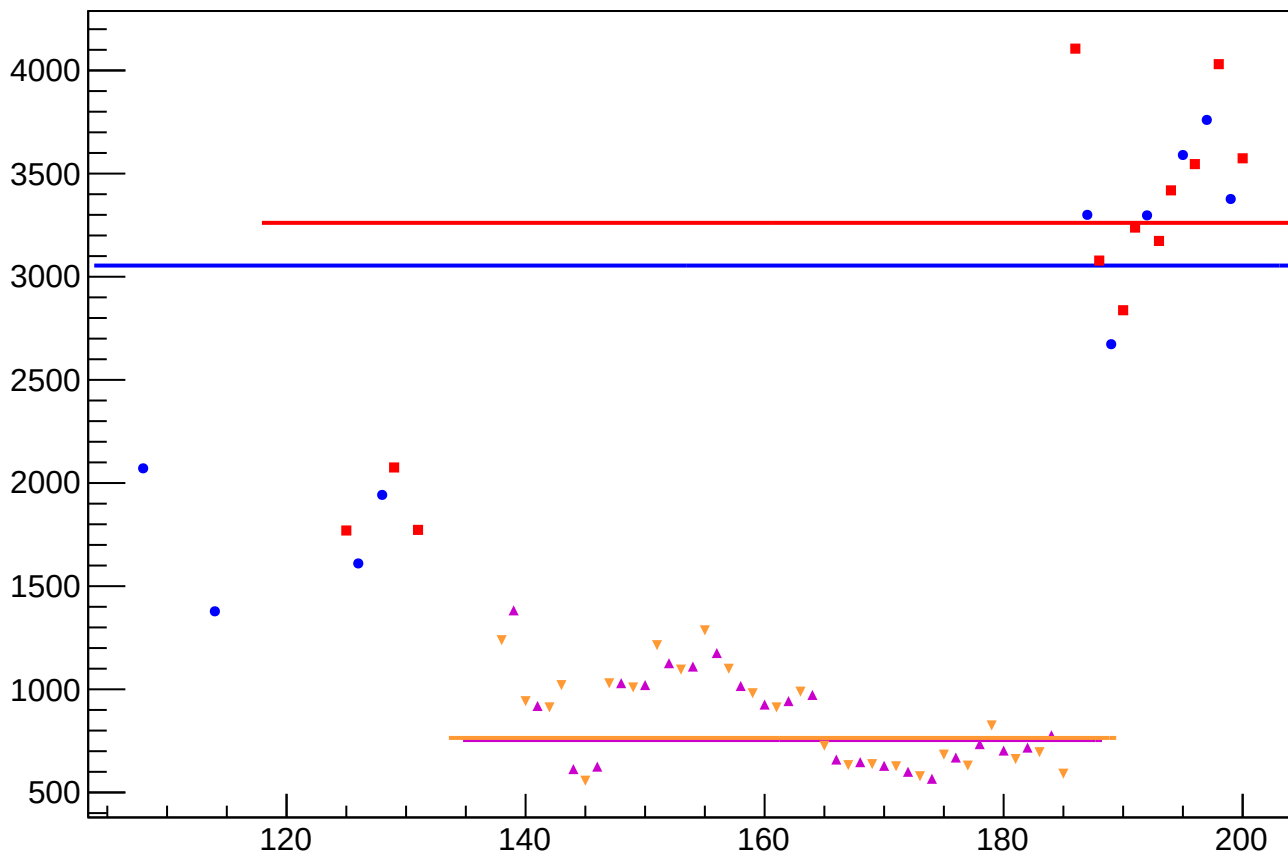
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -852.365 ± 183.158 χ^2/NDF : 72.9/34

All: -485.367 ± 130.121 χ^2/NDF : 120.4/69

- sign -111.389 ± 184.892 χ^2/NDF : 39.4/34

asym_sam3_correction_rms vs Slug



Right In: 3054.169+/-1.090 χ^2/NDF : 409738.9/9

Left Out: 764.280+/-0.130 χ^2/NDF : 2315985.8/24

Right Out: 3261.229+/-0.955 χ^2/NDF : 319129.3/11

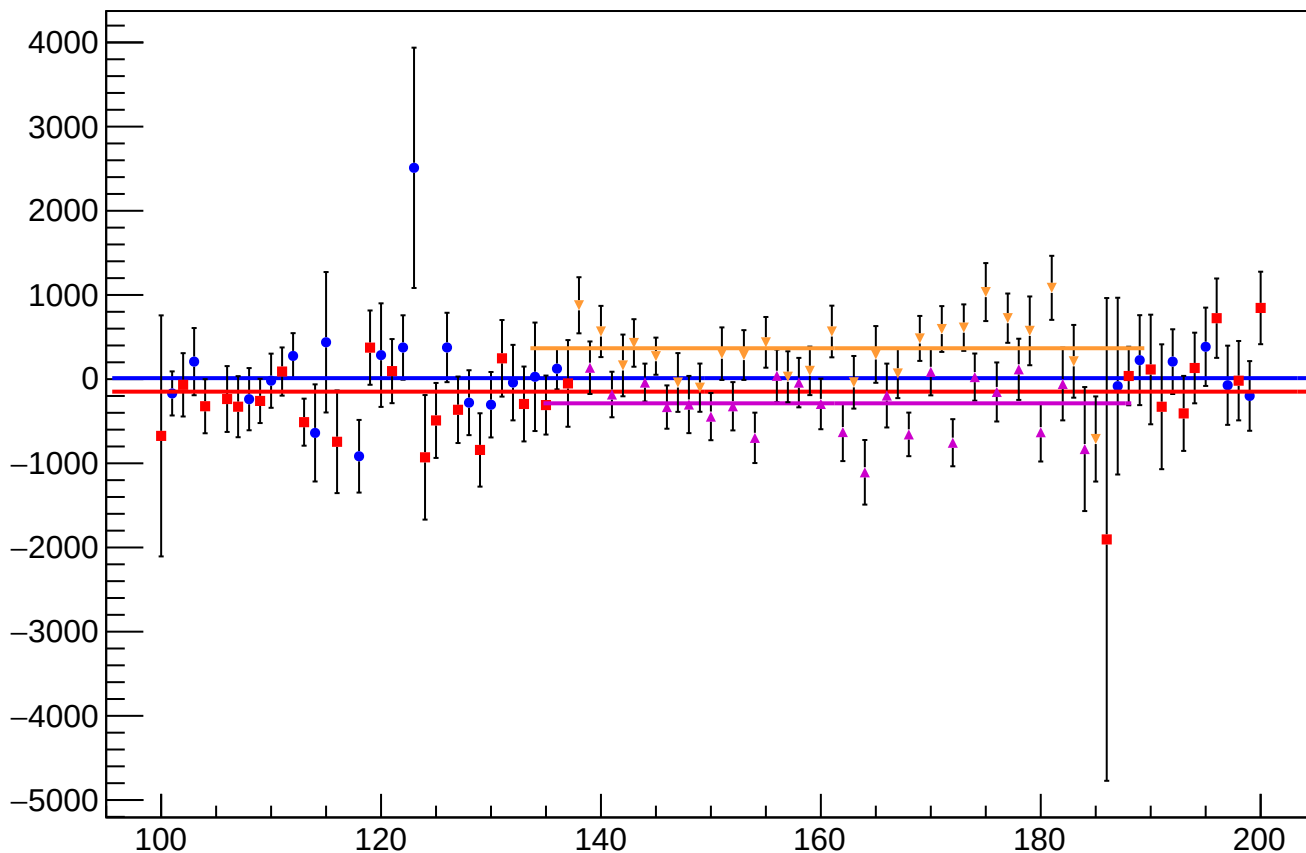
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 796.590+/-0.130 χ^2/NDF : 7074407.6/34

All: 798.804+/-0.092 χ^2/NDF : 16177145.0/69

- sign 801.060+/-0.131 χ^2/NDF : 9102147.3/34

reg_asym_sam4_mean vs Slug



Right In: 11.804 ± 84.325 χ^2/NDF : 16.1/22

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -148.661 ± 78.180 χ^2/NDF : 22.2/27

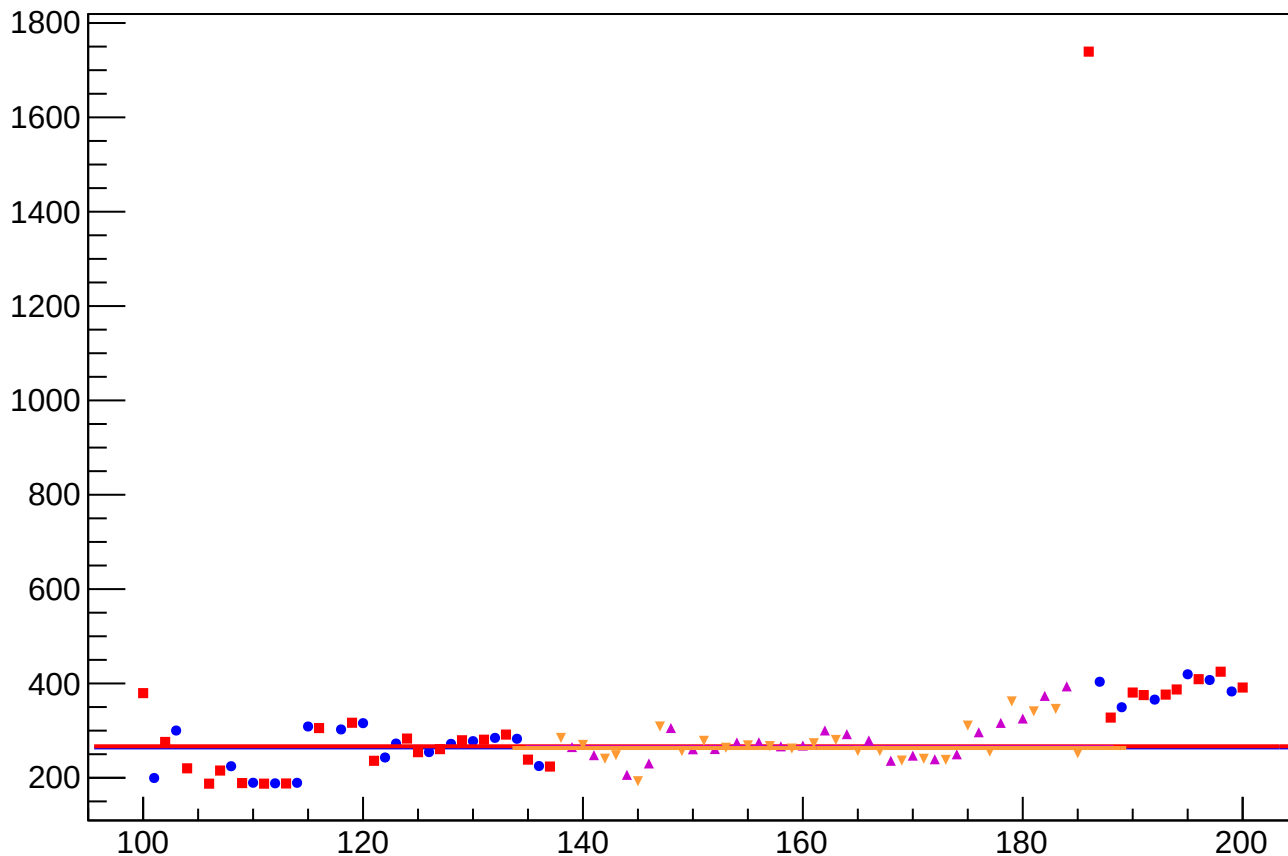
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 242.529 ± 49.922 χ^2/NDF : 55.8/47

All: 3.926 ± 35.181 χ^2/NDF : 149.2/98

- sign -231.493 ± 49.587 χ^2/NDF : 48.0/50

reg_asym_sam4_rms vs Slug



Right In: 264.398 $\pm$ 0.060 χ^2 /NDF: 1361167.3/22

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

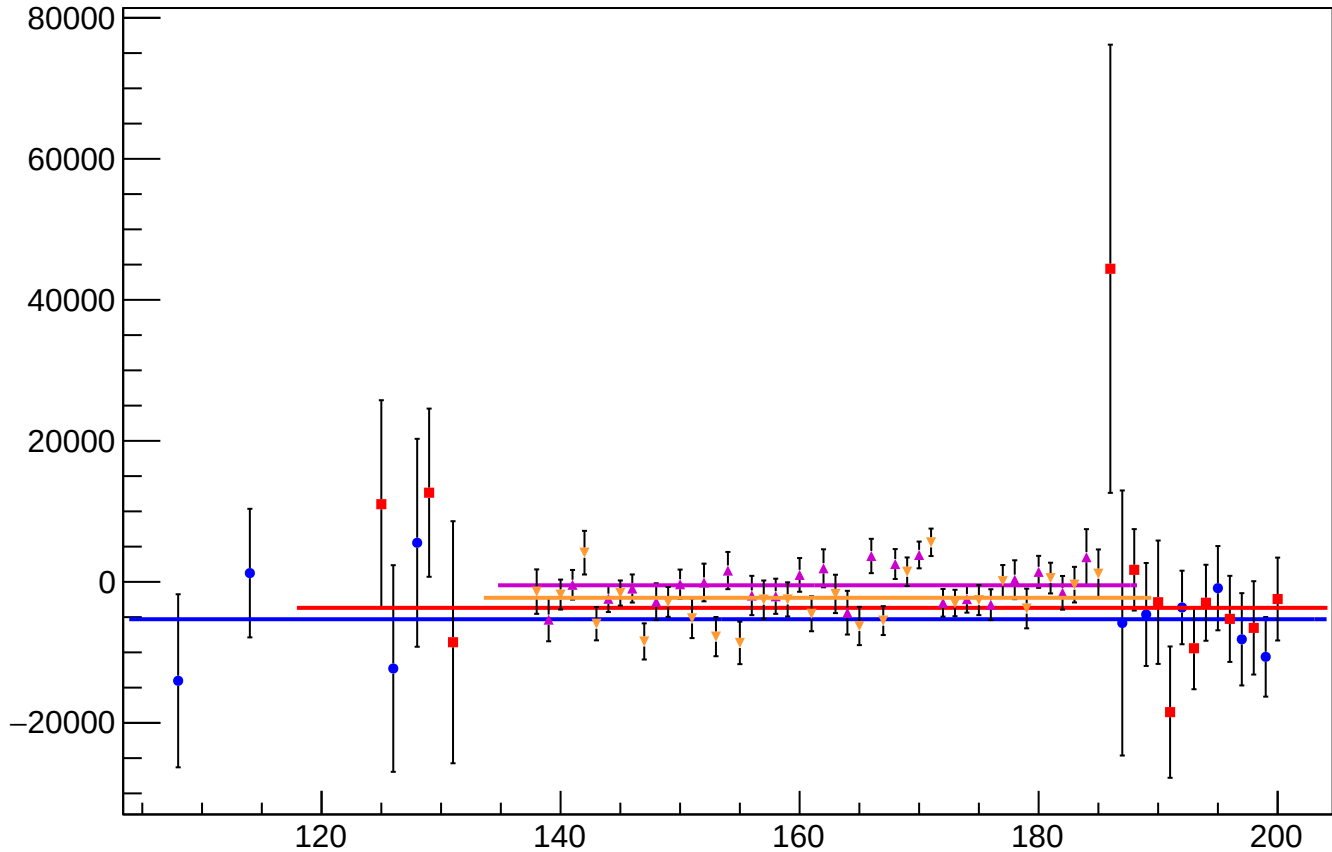
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 263.557 $\pm$ 0.035 χ^2 /NDF: 2003699.5/47

All: 264.631 $\pm$ 0.025 χ^2 /NDF: 4920712.1/98

- sign 265.692 $\pm$ 0.035 χ^2 /NDF: 2915170.9/50

asym_sam4_correction_mean vs Slug



Right In: -5298.053 ± 2432.498 χ^2/NDF : 3.5/9

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -3684.091 ± 2165.474 χ^2/NDF : 9.9/11

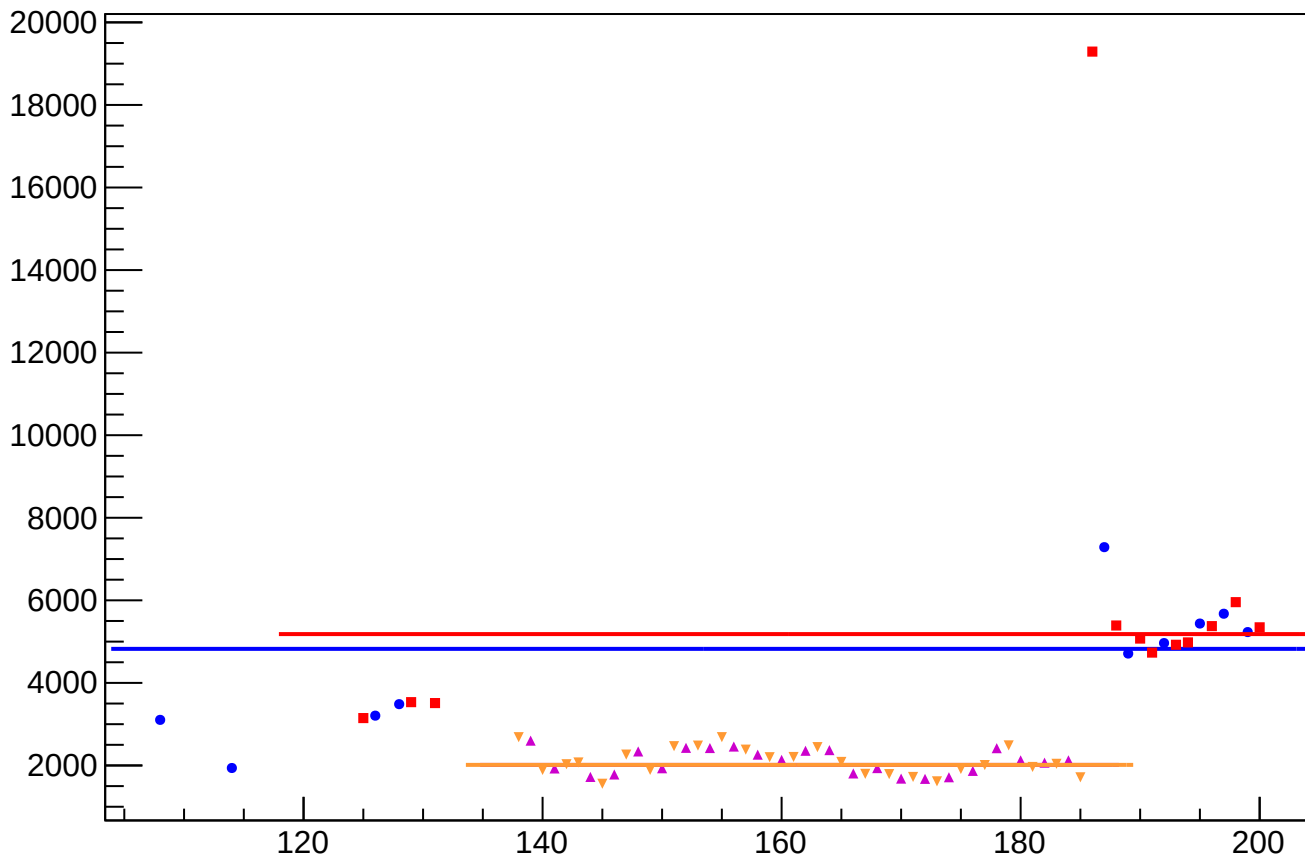
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2371.931 ± 466.512 χ^2/NDF : 57.4/34

All: -1522.535 ± 333.028 χ^2/NDF : 100.9/69

- sign -639.852 ± 475.565 χ^2/NDF : 36.8/34

asym_sam4_correction_rms vs Slug



Right In: 4824.467+/-1.720 χ^2/NDF : 382047.5/9

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 5182.292+/-1.531 χ^2/NDF : 534567.2/11

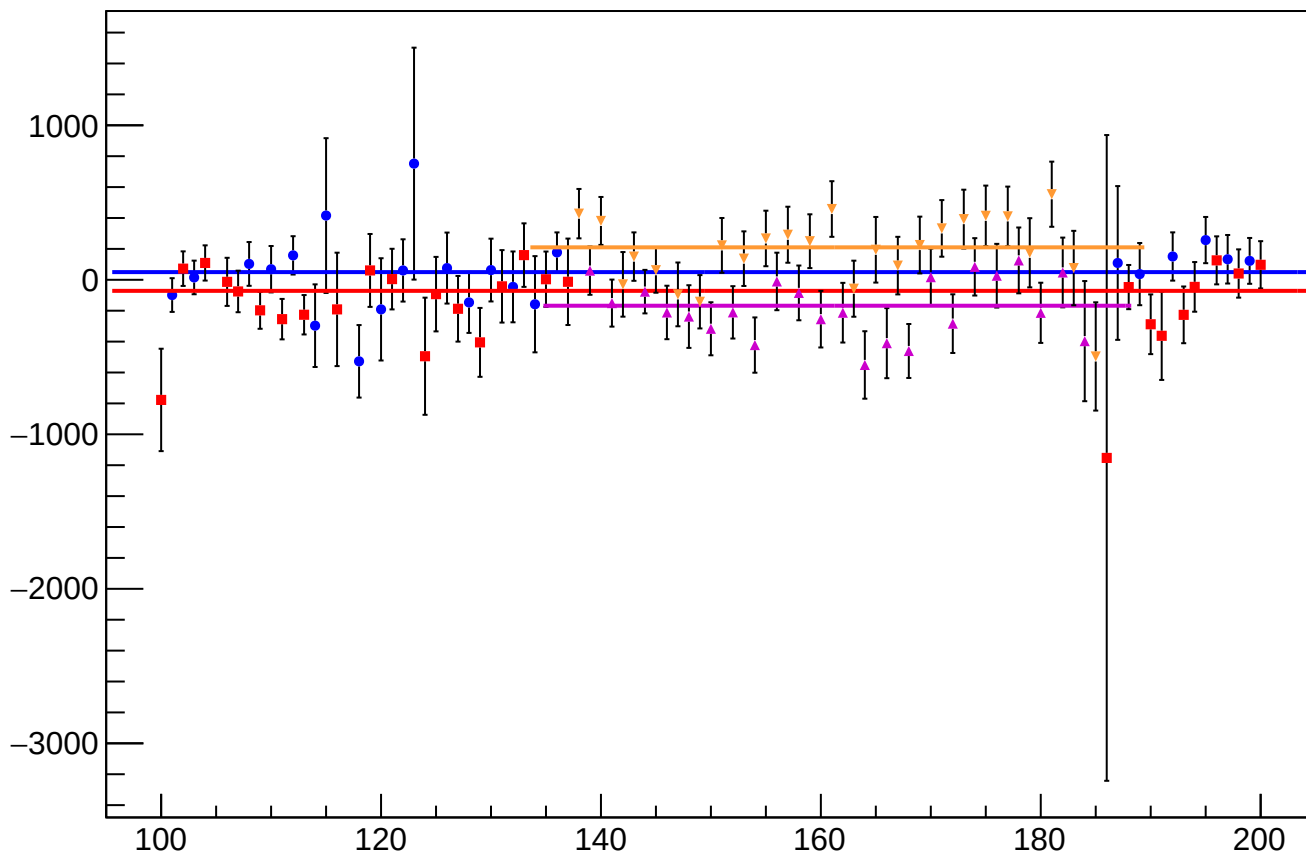
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2117.473+/-0.330 χ^2/NDF : 3789131.6/34

All: 2141.313+/-0.235 χ^2/NDF : 9073170.8/69

- sign 2166.087+/-0.336 χ^2/NDF : 5273388.6/34

reg_asym_sam5_mean vs Slug



Right In: 49.757 ± 36.332 χ^2/NDF : 18.0/22

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -71.532 ± 32.654 χ^2/NDF : 25.9/27

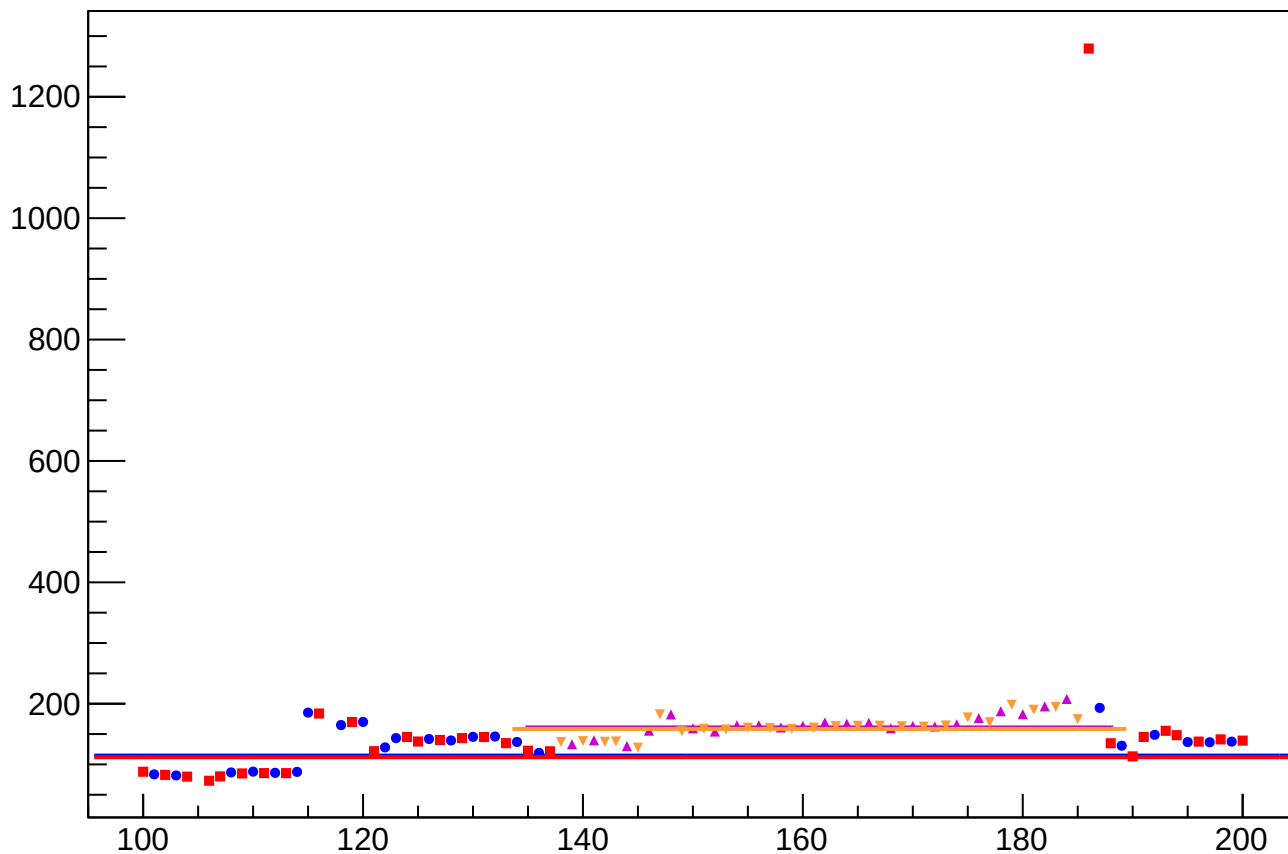
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 128.258 ± 25.955 χ^2/NDF : 55.1/47

All: 3.672 ± 17.992 χ^2/NDF : 150.1/98

- sign -111.554 ± 24.961 χ^2/NDF : 50.7/50

reg_asym_sam5_rms vs Slug



Right In: 114.536 $\pm$ 0.026 χ^2 /NDF: 1252247.0/22

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

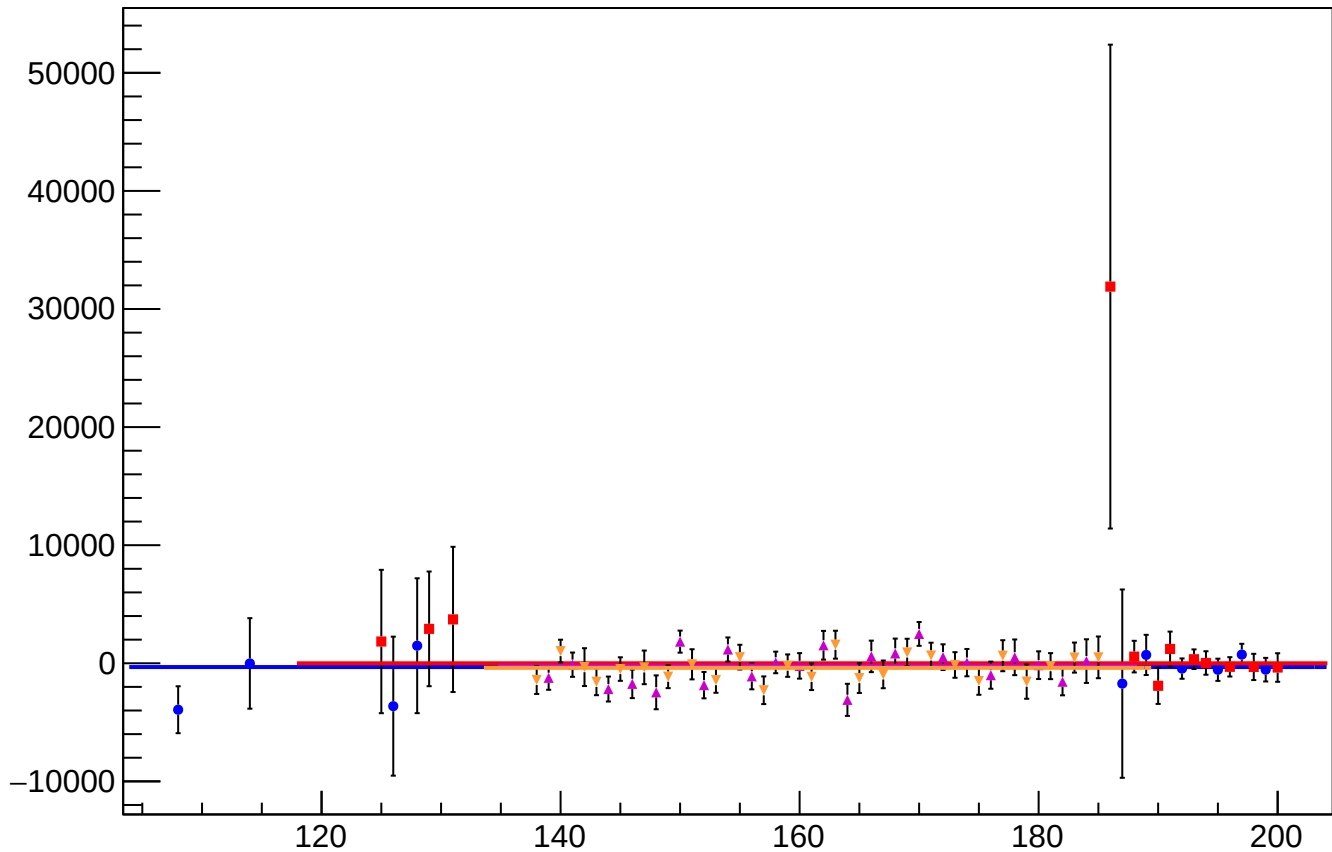
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 136.033 $\pm$ 0.018 χ^2 /NDF: 3116532.8/47

All: 134.072 $\pm$ 0.013 χ^2 /NDF: 7700284.7/98

- sign 132.259 $\pm$ 0.018 χ^2 /NDF: 4561782.5/50

asym_sam5_correction_mean vs Slug



Right In: -319.537 ± 429.447 χ^2/NDF : 5.6/9

Left Out: -385.018 ± 231.833 χ^2/NDF : 18.1/24

Right Out: -1.848 ± 378.257 χ^2/NDF : 6.1/11

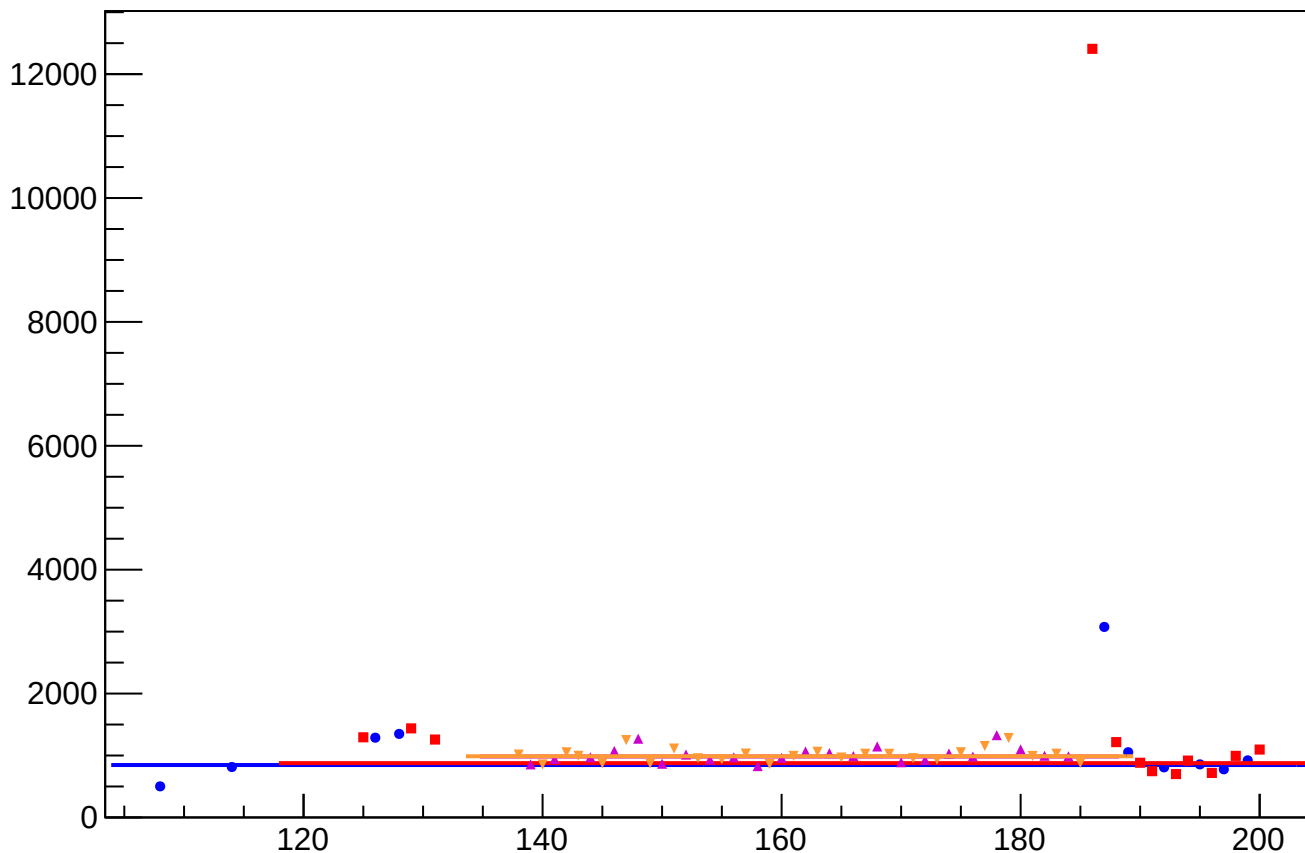
Left In: -202.234 ± 237.460 χ^2/NDF : 35.5/22

+ sign -370.242 ± 204.005 χ^2/NDF : 23.7/34

All: -256.311 ± 143.220 χ^2/NDF : 66.1/69

- sign -145.587 ± 201.114 χ^2/NDF : 41.8/34

asym_sam5_correction_rms vs Slug



Right In: 846.285 $\pm$ 0.304 χ^2 /NDF: 299604.5/9

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

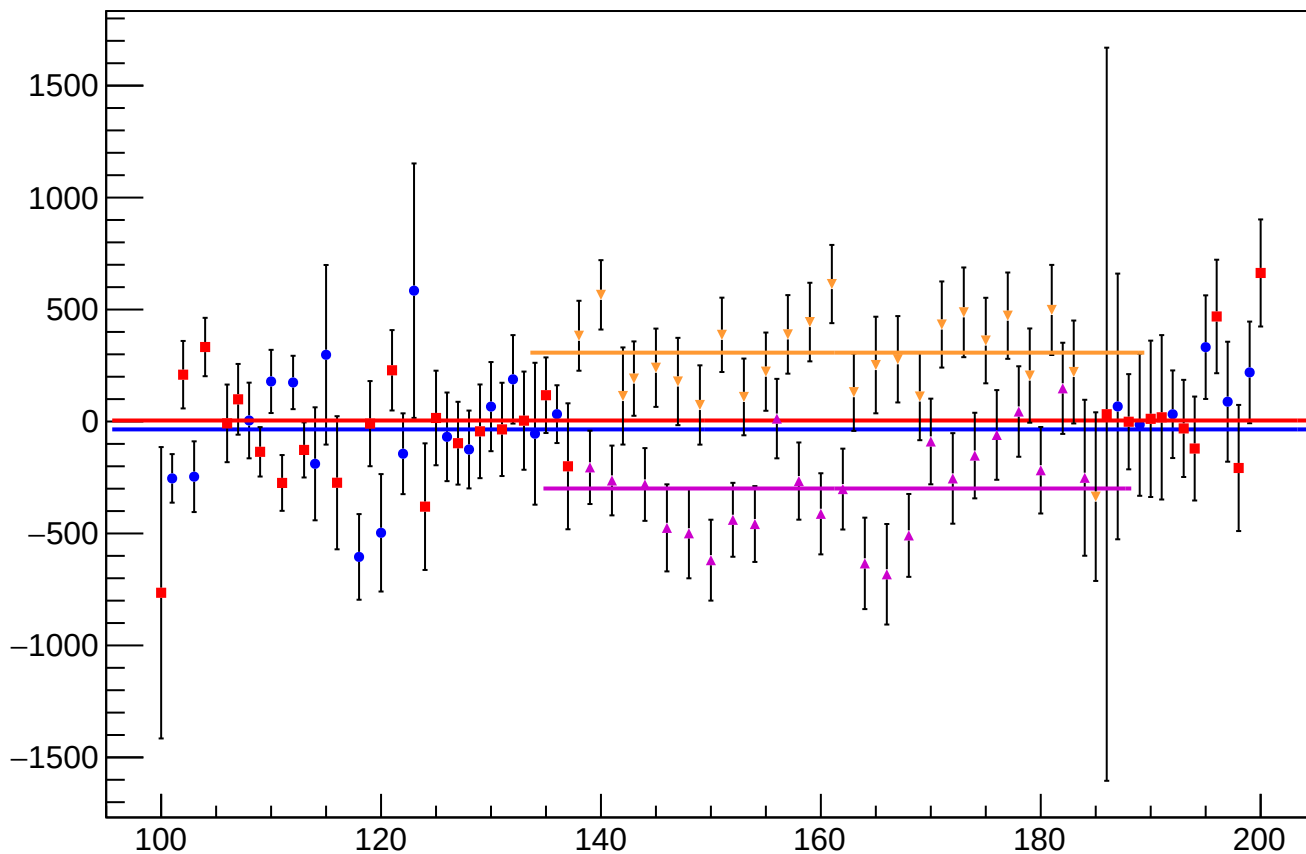
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 955.918 $\pm$ 0.144 χ^2 /NDF: 844896.8/34

All: 954.769 $\pm$ 0.101 χ^2 /NDF: 2454119.6/69

- sign 953.652 $\pm$ 0.142 χ^2 /NDF: 1609097.7/34

reg_asym_sam6_mean vs Slug



Right In: -35.307 ± 39.259 χ^2/NDF : 32.2/22

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: 4.544 ± 36.191 χ^2/NDF : 35.2/27

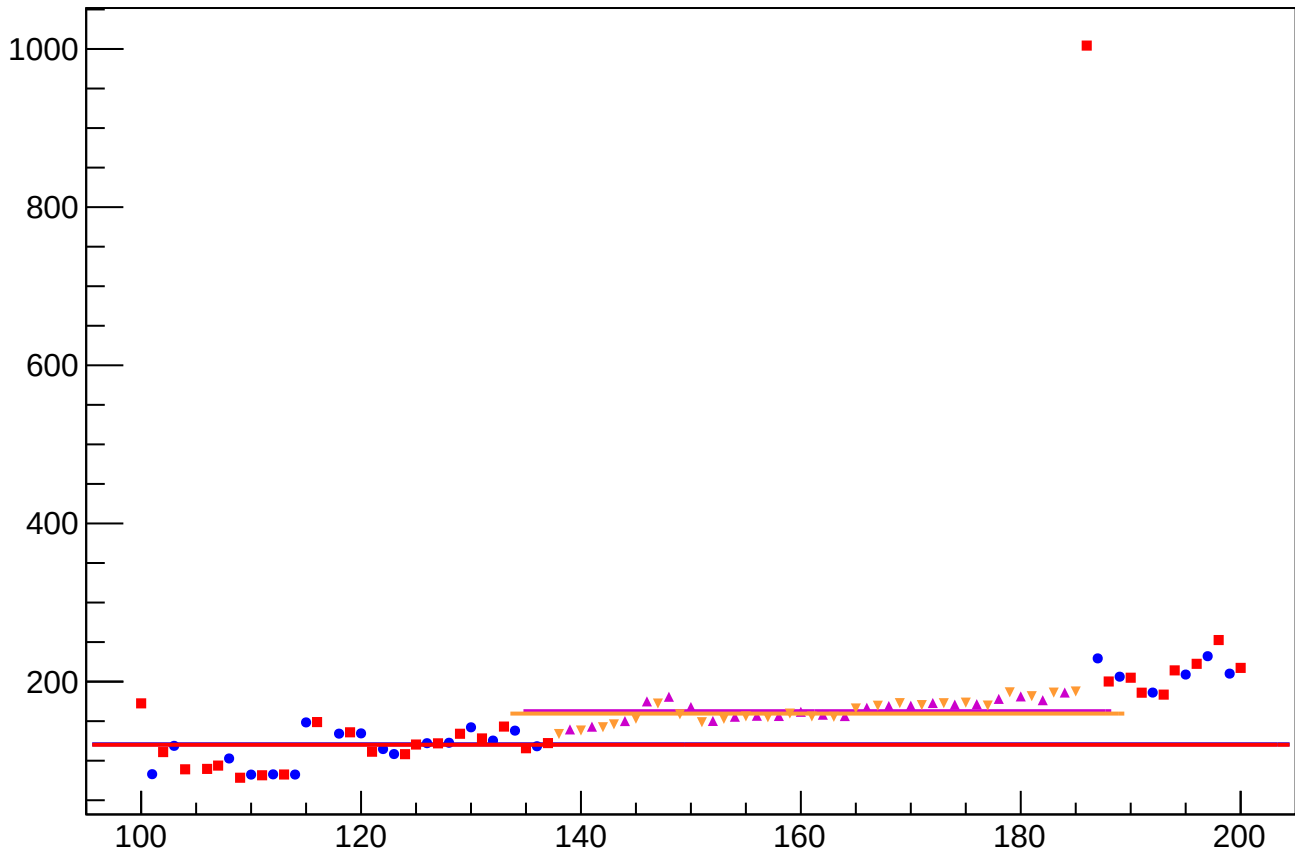
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 144.957 ± 27.033 χ^2/NDF : 92.9/47

All: 1.871 ± 18.935 χ^2/NDF : 244.3/98

- sign -135.957 ± 26.531 χ^2/NDF : 96.3/50

reg_asym_sam6_rms vs Slug



Right In: 120.716+/-0.028 χ^2/NDF : 2104108.6/22

Left Out: 159.568+/-0.026 χ^2/NDF : 287744.2/24

Right Out: 120.170+/-0.026 χ^2/NDF : 3639071.1/27

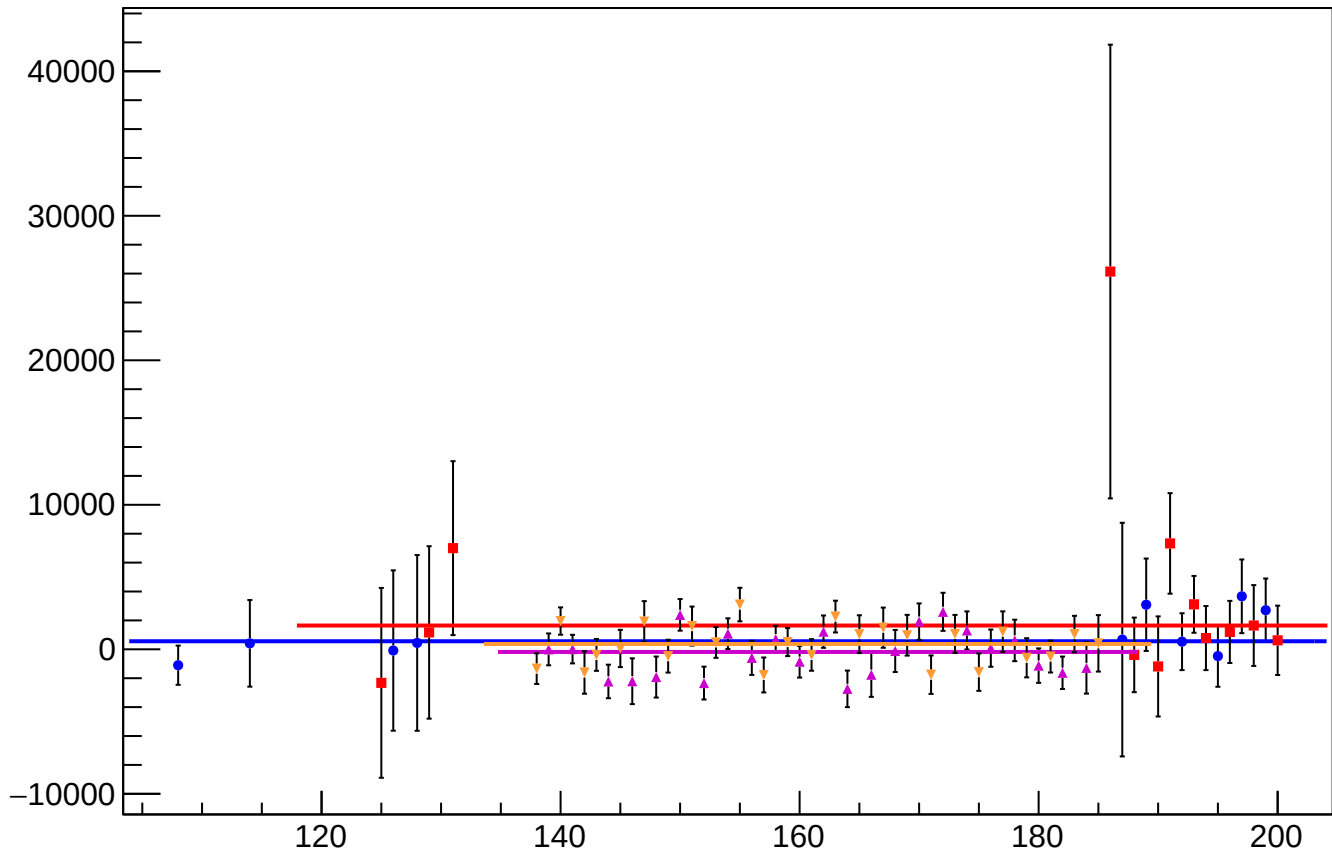
Left In: 162.606+/-0.028 χ^2/NDF : 199542.3/22

+ sign 141.147+/-0.019 χ^2/NDF : 3421923.5/47

All: 140.461+/-0.013 χ^2/NDF : 8535062.8/98

- sign 139.800+/-0.019 χ^2/NDF : 5110610.1/50

asym_sam6_correction_mean vs Slug



Right In: 557.633+/-773.895 χ^2/NDF : 4.8/9

Left Out: 370.001+/-243.521 χ^2/NDF :30.5/24

Right Out: 1645.060+/-851.415 χ^2/NDF : 8.5/11

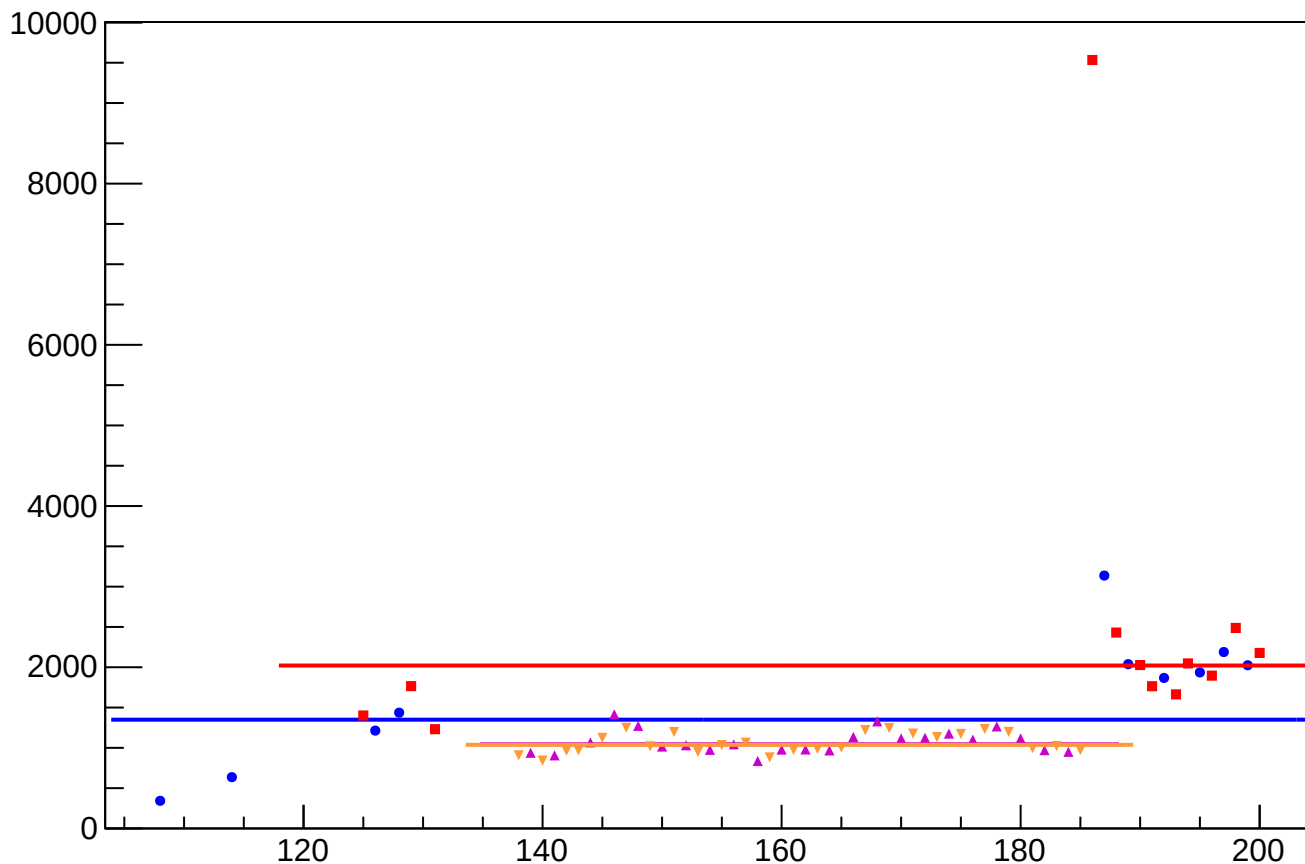
Left In: -183.107+/-252.258 χ^2/NDF :36.5/22

+ sign 386.906+/-232.292 χ^2/NDF : 35.4/34

All: 184.192+/-167.537 χ^2/NDF : 86.1/69

- sign -35.576+/-241.866 χ^2/NDF : 49.2/34

asym_sam6_correction_rms vs Slug



Right In: 1349.680+/-0.547 χ^2/NDF : 2104386.0/9

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 2021.397+/-0.602 χ^2/NDF : 712482.0/11

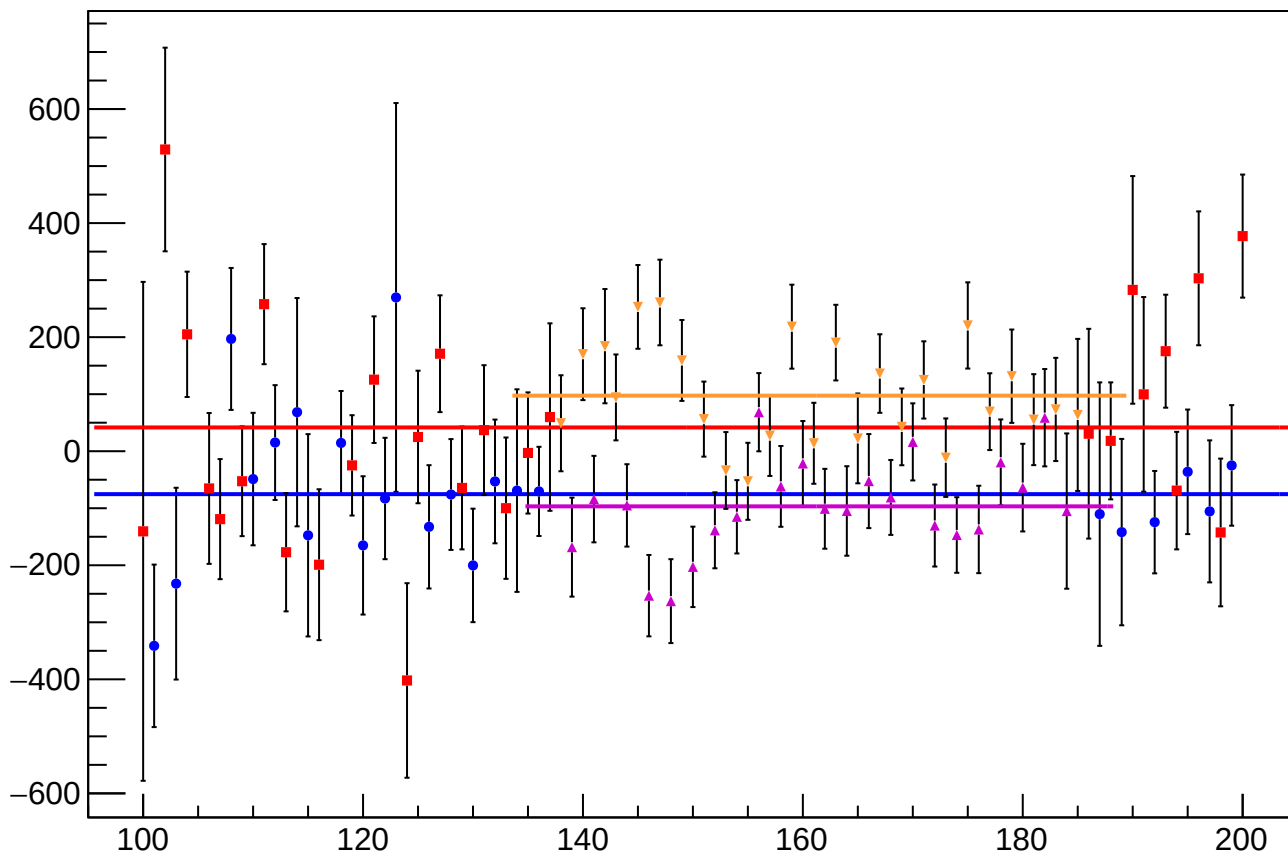
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1065.798+/-0.164 χ^2/NDF : 2895131.4/34

All: 1093.513+/-0.118 χ^2/NDF : 6629539.2/69

- sign 1123.560+/-0.171 χ^2/NDF : 3675071.2/34

reg_asym_sam7_mean vs Slug



Right In: -75.291 ± 24.582 $\chi^2/\text{NDF}: 16.0/22$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 41.685 ± 22.466 $\chi^2/\text{NDF}: 59.0/27$

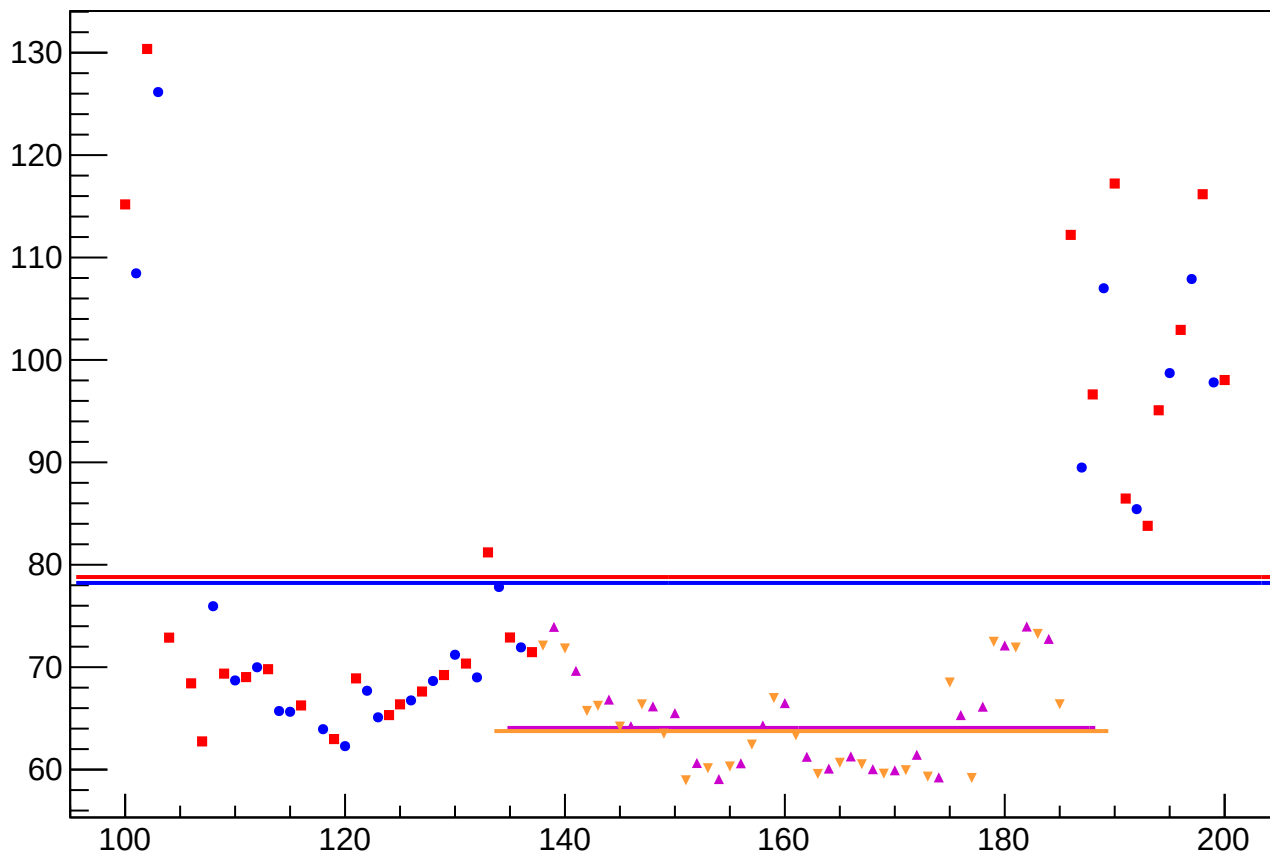
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 51.125 ± 12.729 $\chi^2/\text{NDF}: 88.2/47$

All: -0.911 ± 8.985 $\chi^2/\text{NDF}: 235.6/98$

- sign -52.585 ± 12.685 $\chi^2/\text{NDF}: 114.1/50$

reg_asym_sam7_rms vs Slug



Right In: 78.224 $\pm$ 0.017 χ^2 /NDF: 815669.2/22

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

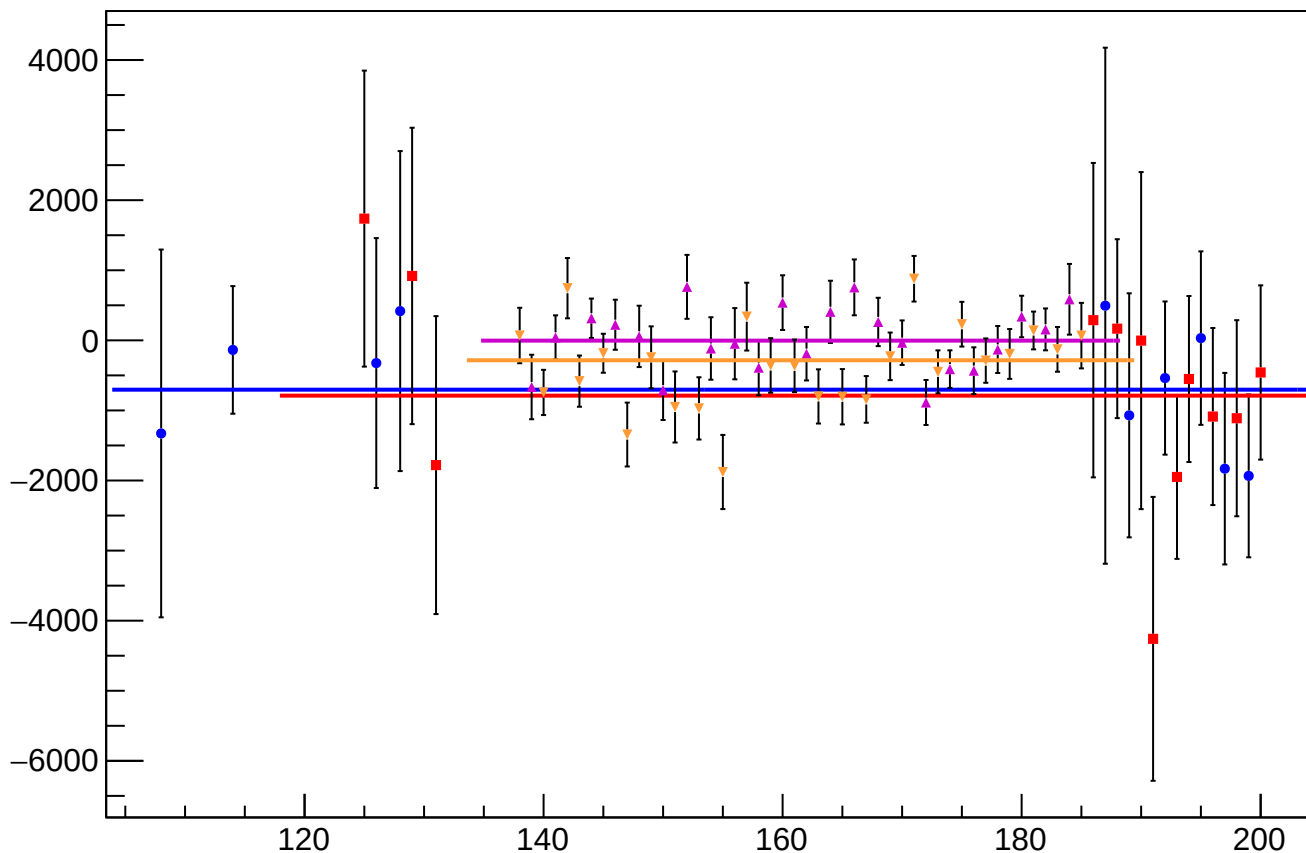
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 67.639 $\pm$ 0.009 χ^2 /NDF: 1515178.4/47

All: 68.204 $\pm$ 0.006 χ^2 /NDF: 3340060.9/98

- sign 68.765 $\pm$ 0.009 χ^2 /NDF: 1817030.6/50

asym_sam7_correction_mean vs Slug



Right In: -703.828 ± 445.996 χ^2/NDF : 3.1/9

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -788.654 ± 441.618 χ^2/NDF : 7.3/11

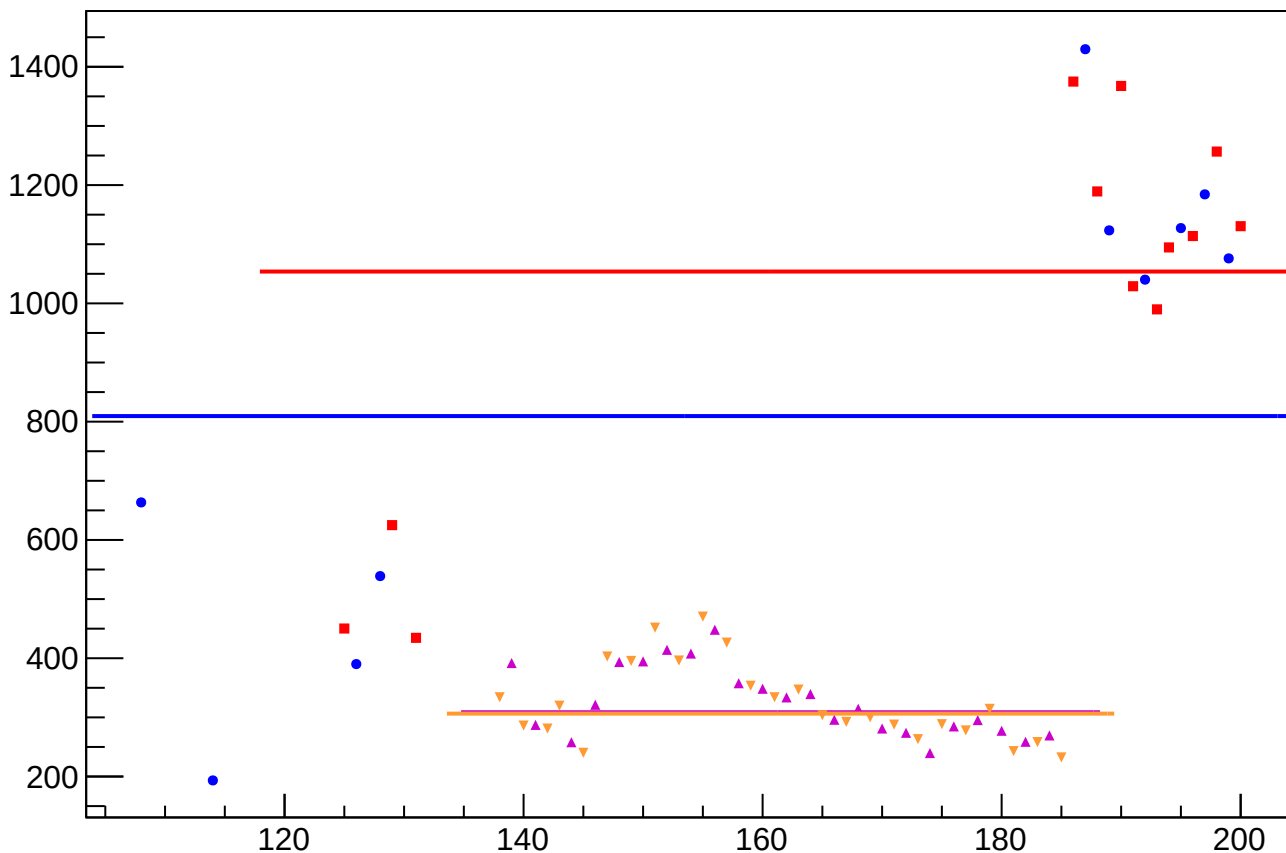
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -295.172 ± 71.784 χ^2/NDF : 59.0/34

All: -164.755 ± 51.532 χ^2/NDF : 108.6/69

- sign -26.081 ± 74.022 χ^2/NDF : 42.8/34

asym_sam7_correction_rms vs Slug



Right In: 809.451+/-0.315 χ^2/NDF : 1658914.9/9

Left Out: 306.363+/-0.051 χ^2/NDF : 1215669.9/24

Right Out: 1053.823+/-0.312 χ^2/NDF : 575775.1/11

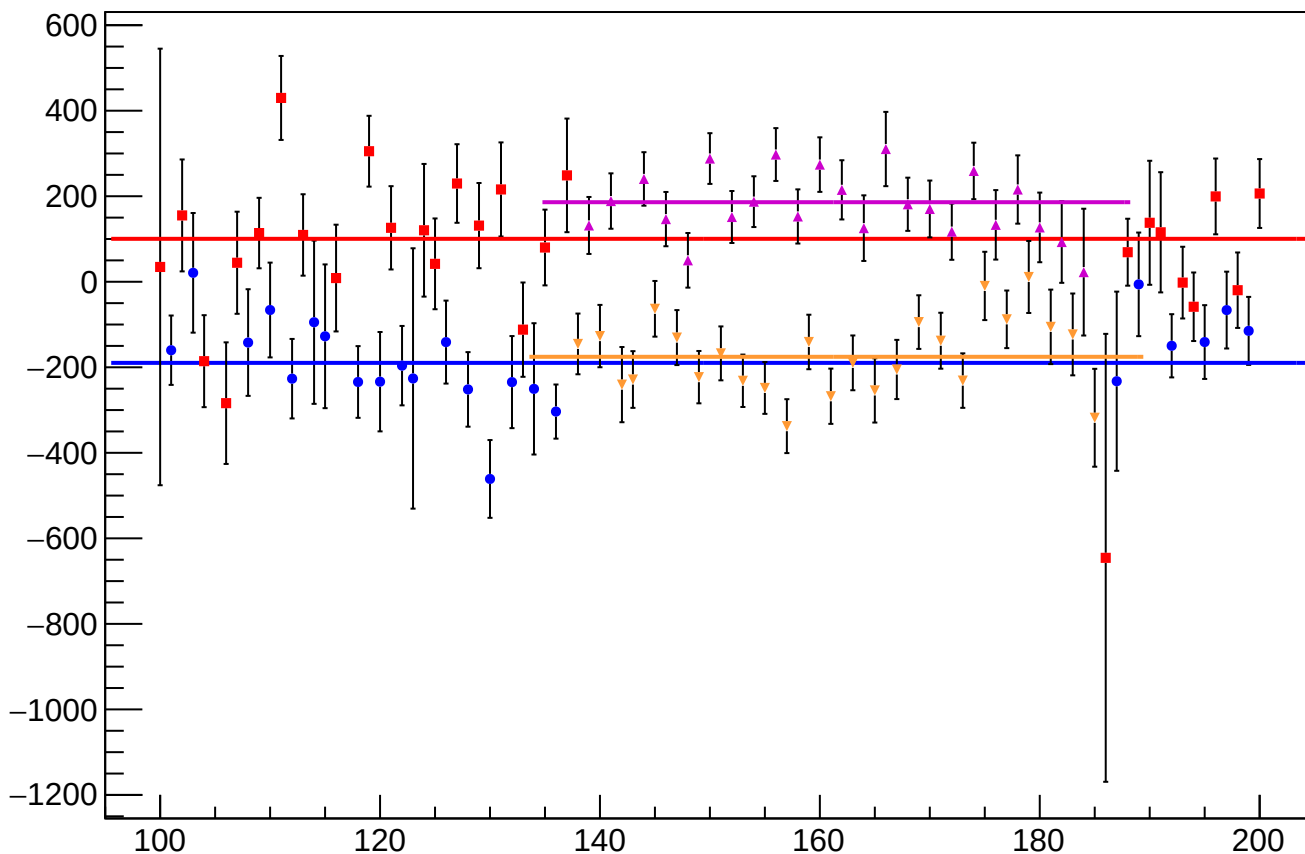
Left In: 308.727+/-0.053 χ^2/NDF : 1002947.4/22

+ sign 319.396+/-0.051 χ^2/NDF : 5353474.7/34

All: 324.370+/-0.036 χ^2/NDF : 12485331.3/69

- sign 329.660+/-0.052 χ^2/NDF : 7112038.2/34

reg_asym_sam8_mean vs Slug



Right In: -189.670+/-20.860 χ^2/NDF : 23.7/22

Left Out: -175.471+/-13.846 χ^2/NDF : 34.6/24

Right Out: 100.421+/-19.549 χ^2/NDF : 53.8/27

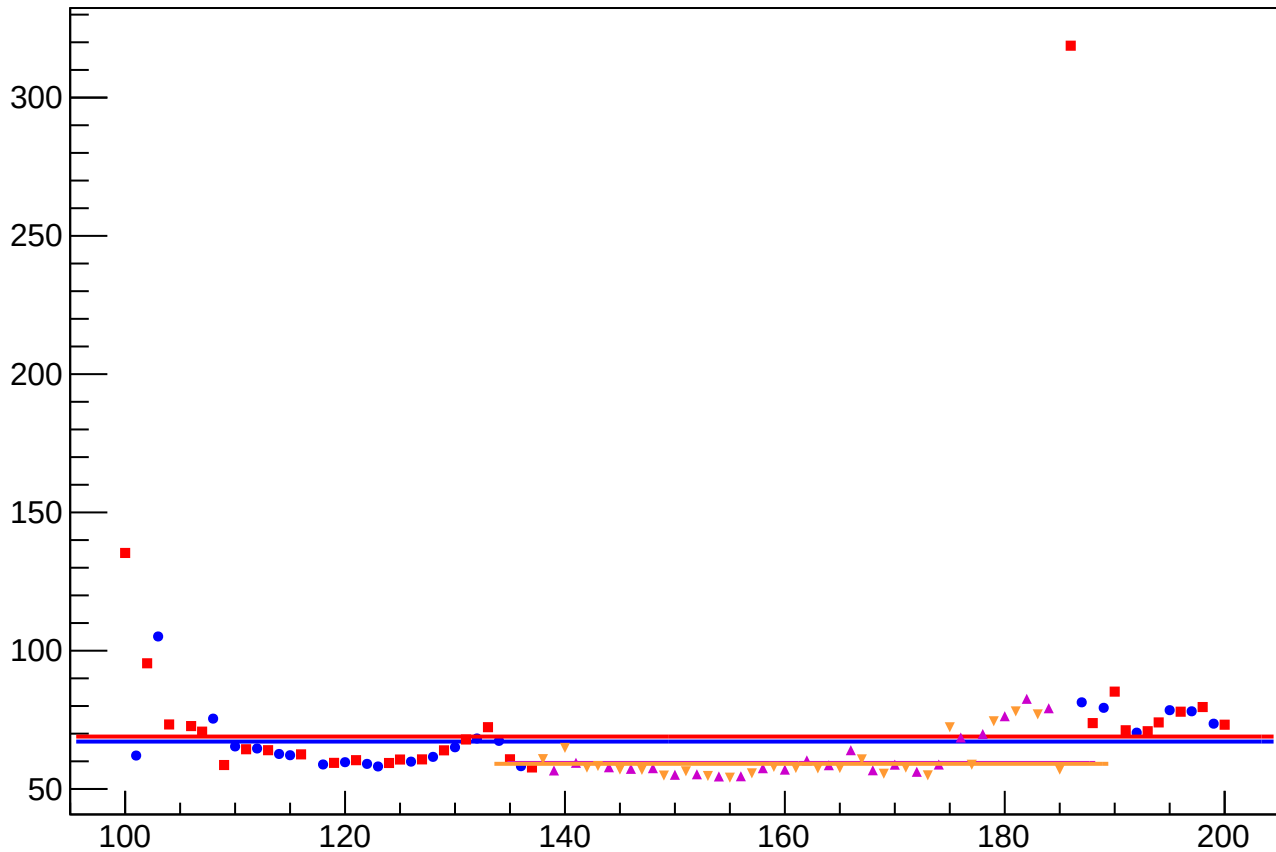
Left In: 186.047+/-14.315 χ^2/NDF : 23.6/22

+ sign -179.813+/-11.536 χ^2/NDF : 58.7/47

All: -12.031+/-8.162 χ^2/NDF : 572.2/98

- sign 156.159+/-11.550 χ^2/NDF : 89.9/50

reg_asym_sam8_rms vs Slug



Right In: 67.144 $\pm$ 0.015 χ^2 /NDF: 384465.2/22

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 68.951 $\pm$ 0.014 χ^2 /NDF: 836603.1/27

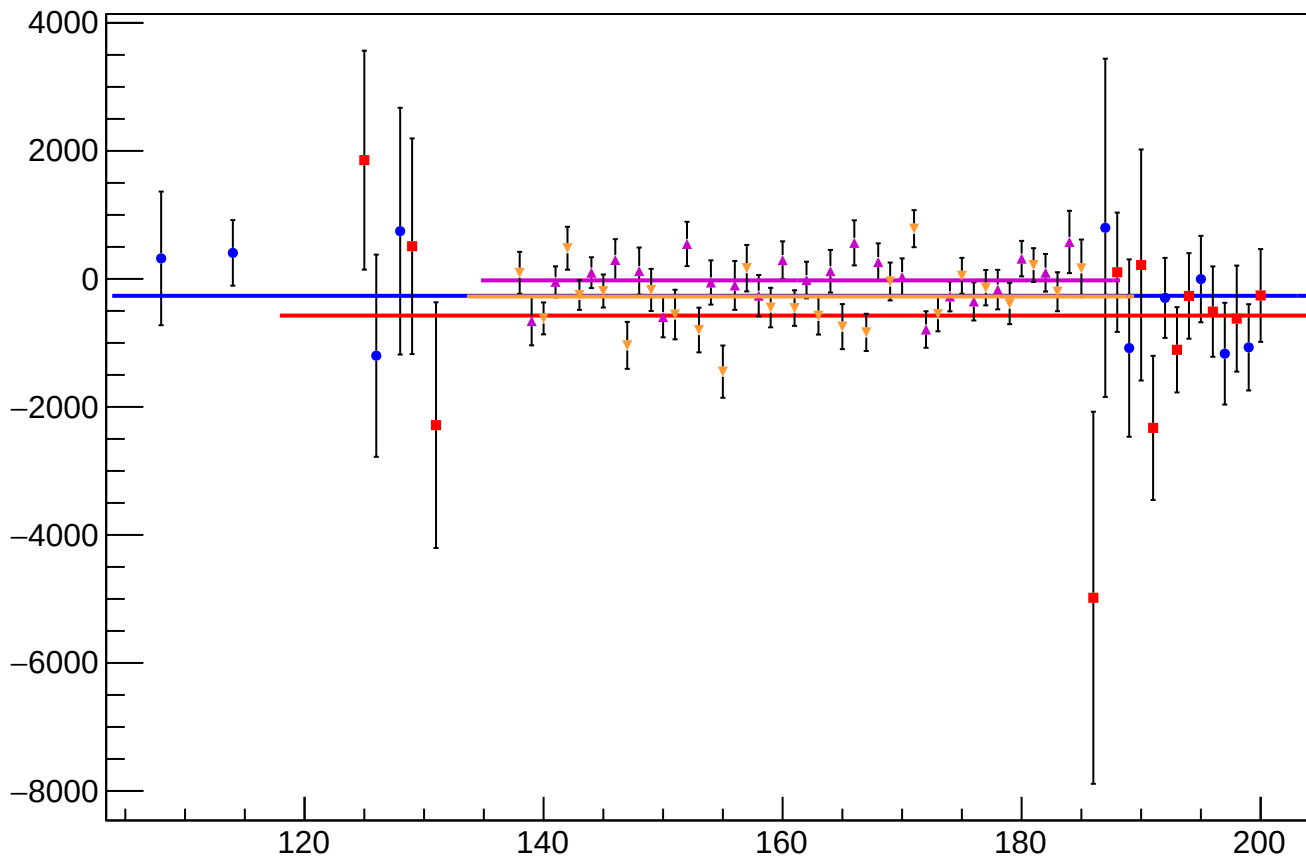
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 61.560 $\pm$ 0.008 χ^2 /NDF: 960729.7/47

All: 62.149 $\pm$ 0.006 χ^2 /NDF: 2490974.2/98

- sign 62.741 $\pm$ 0.008 χ^2 /NDF: 1519772.5/50

asym_sam8_correction_mean vs Slug



Right In: -263.806+/-261.726 χ^2 /NDF: 6.0/9

Left Out: -274.091+/-60.799 χ^2 /NDF:53.9/24

Right Out: -572.852+/-275.339 χ^2 /NDF: 9.7/11

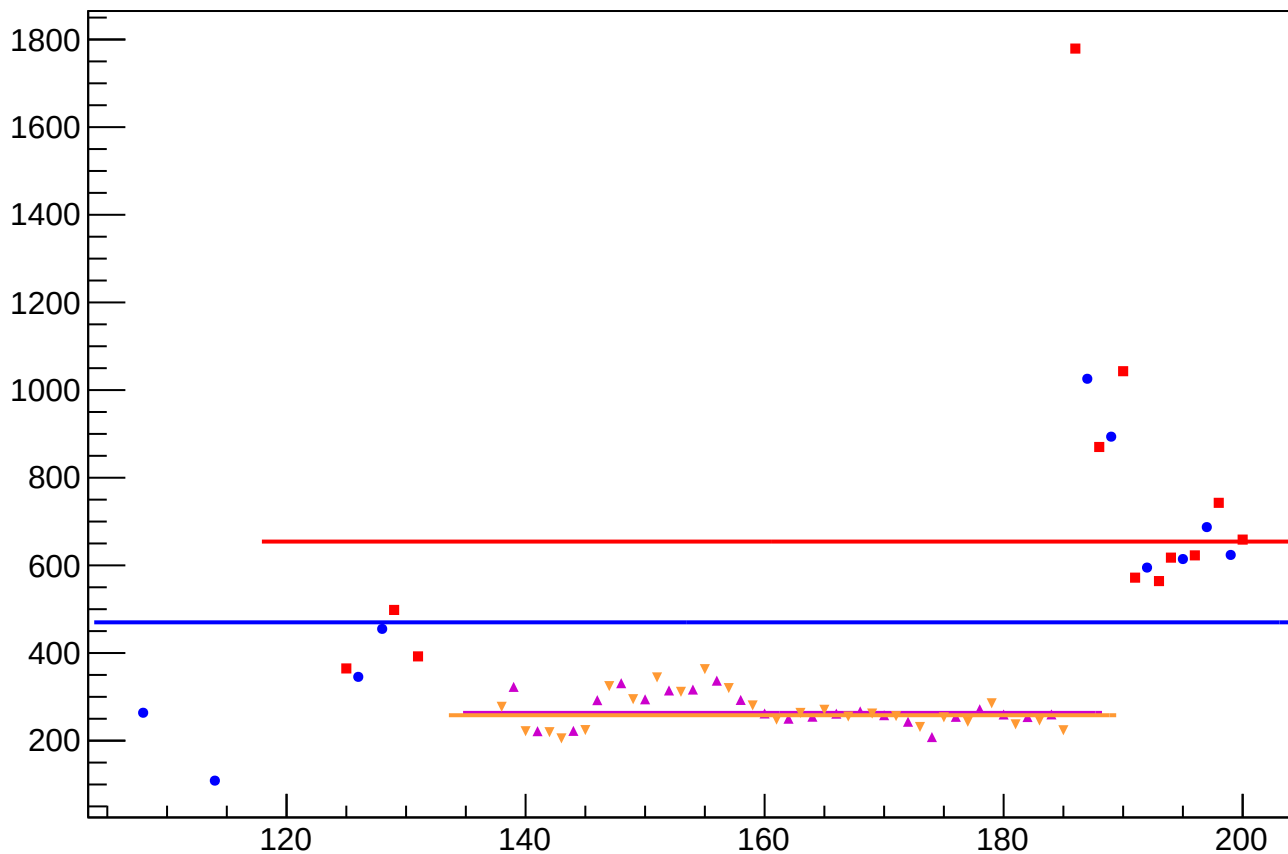
Left In: -22.631+/-63.643 χ^2 /NDF:28.9/22

+ sign -273.564+/-59.222 χ^2 /NDF: 59.9/34

All: -167.173+/-42.827 χ^2 /NDF: 109.1/69

- sign -50.537+/-62.008 χ^2 /NDF: 42.4/34

asym_sam8_correction_rms vs Slug



Right In: 470.020 $\pm$ 0.185 χ^2 /NDF: 1785475.0/9

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

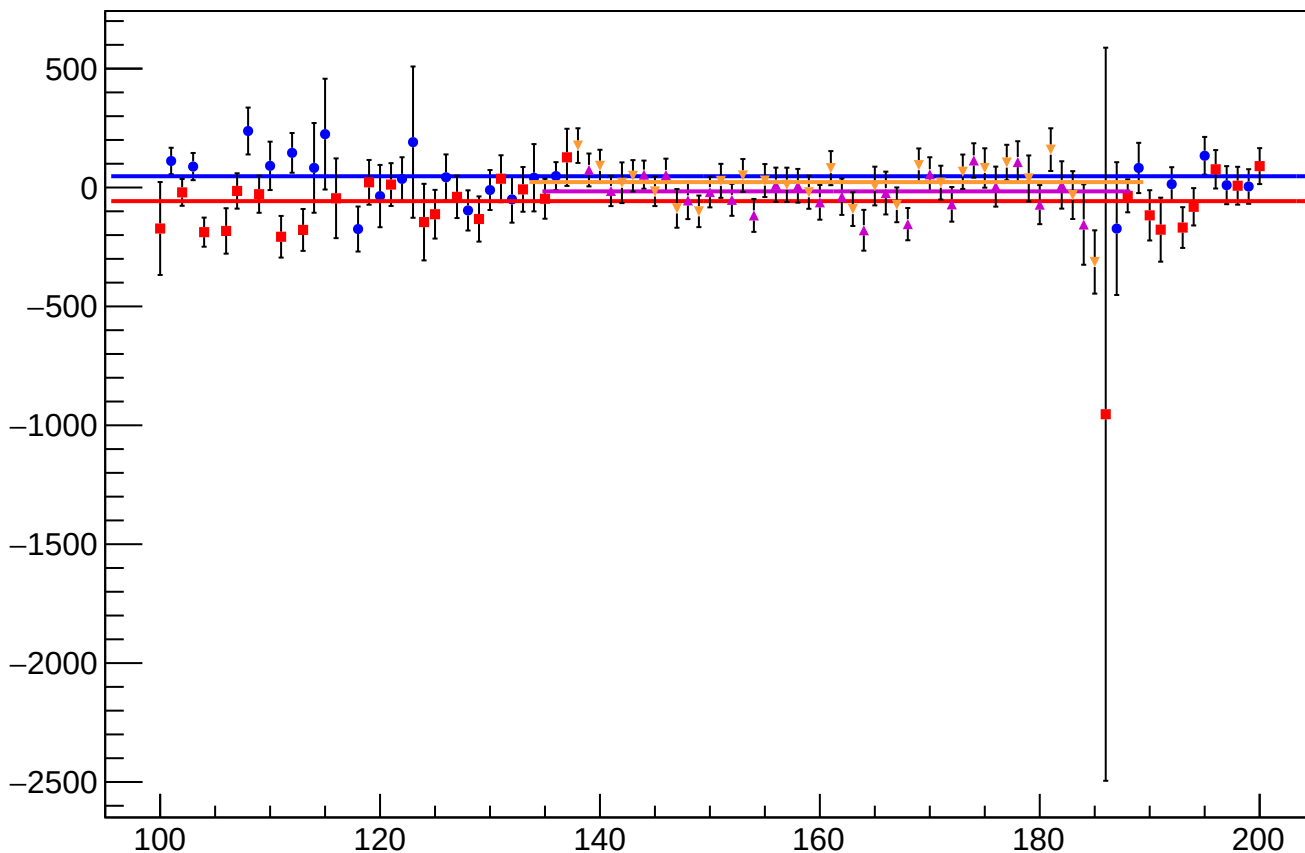
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 268.894 $\pm$ 0.042 χ^2 /NDF: 3755094.7/34

All: 275.729 $\pm$ 0.030 χ^2 /NDF: 8915012.6/69

- sign 283.223 $\pm$ 0.044 χ^2 /NDF: 5104064.1/34

reg_asym_sam_15_avg_mean vs Slug



Right In: 47.410 ± 18.387 χ^2/NDF : 20.9/22

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -57.269 ± 16.833 χ^2/NDF : 29.0/27

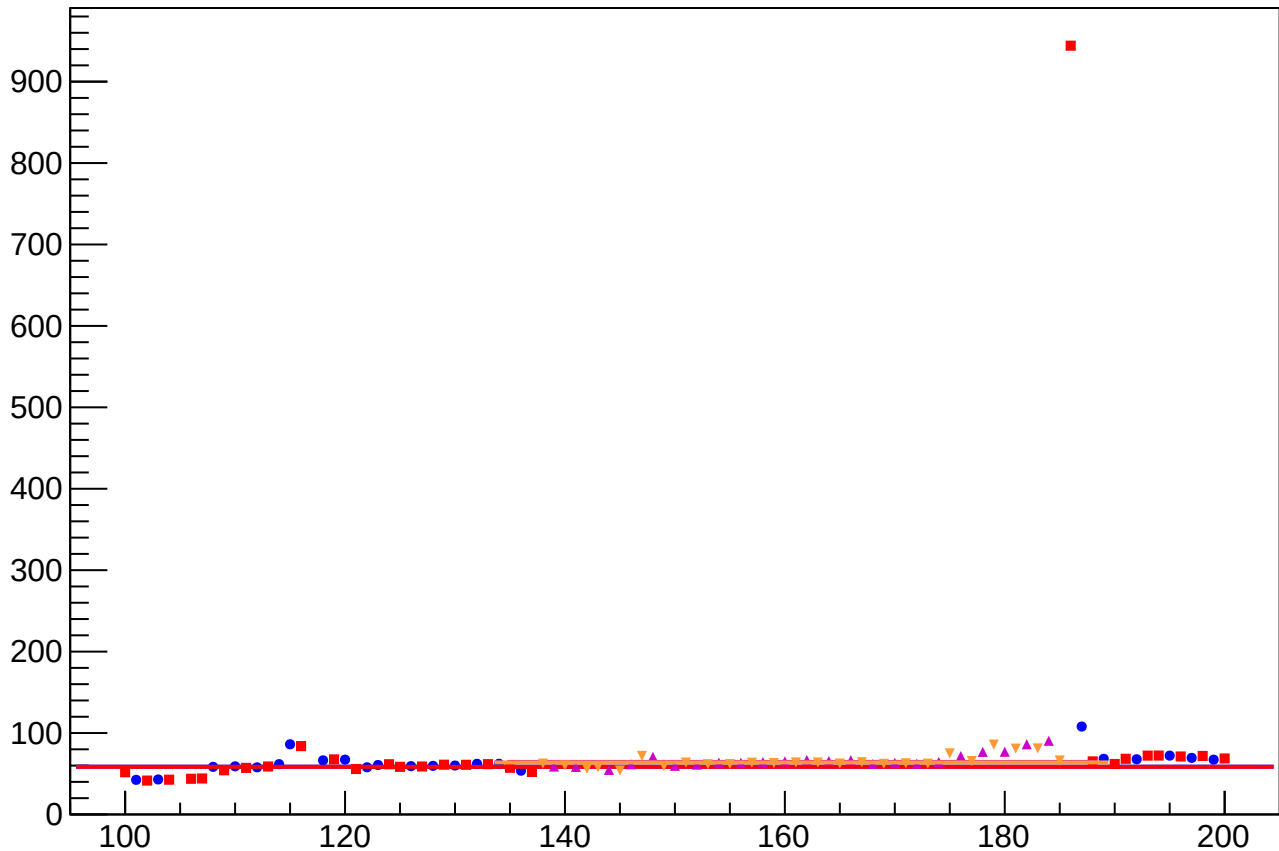
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 32.651 ± 11.608 χ^2/NDF : 51.0/47

All: -1.786 ± 8.139 χ^2/NDF : 123.8/98

- sign -35.084 ± 11.414 χ^2/NDF : 55.5/50

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.706 $\pm$ 0.013 χ^2 /NDF: 624470.2/22

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

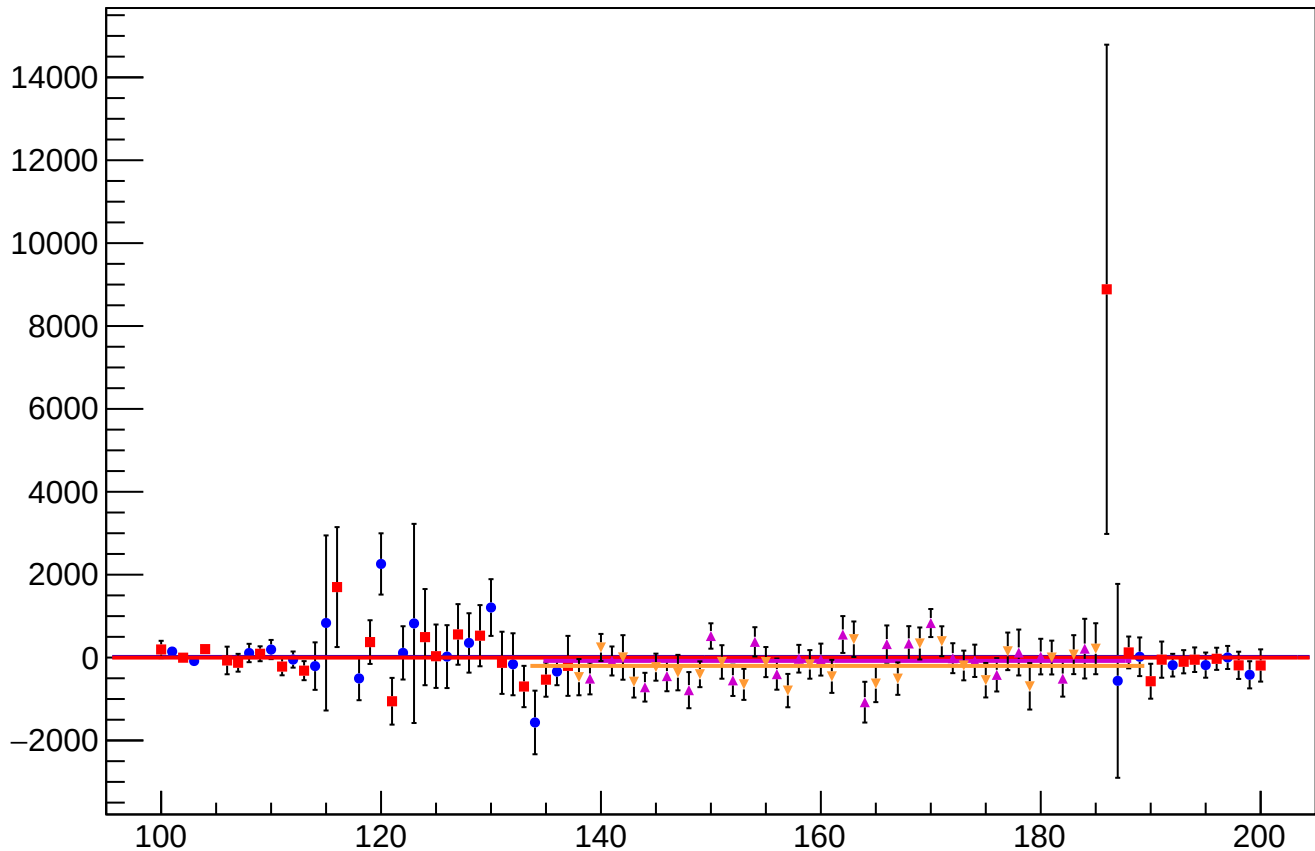
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.842 $\pm$ 0.008 χ^2 /NDF: 1116602.4/47

All: 61.791 $\pm$ 0.006 χ^2 /NDF: 3094784.3/98

- sign 61.741 $\pm$ 0.008 χ^2 /NDF: 1978105.5/50

asym_sam_15_avg_correction_mean vs Slug



Right In: 14.959 $\pm$ 48.374 χ^2 /NDF: 26.8/22

Left Out: -201.082 $\pm$ 79.549 χ^2 /NDF:19.7/24

Right Out: -0.313 $\pm$ 48.572 χ^2 /NDF: 23.9/27

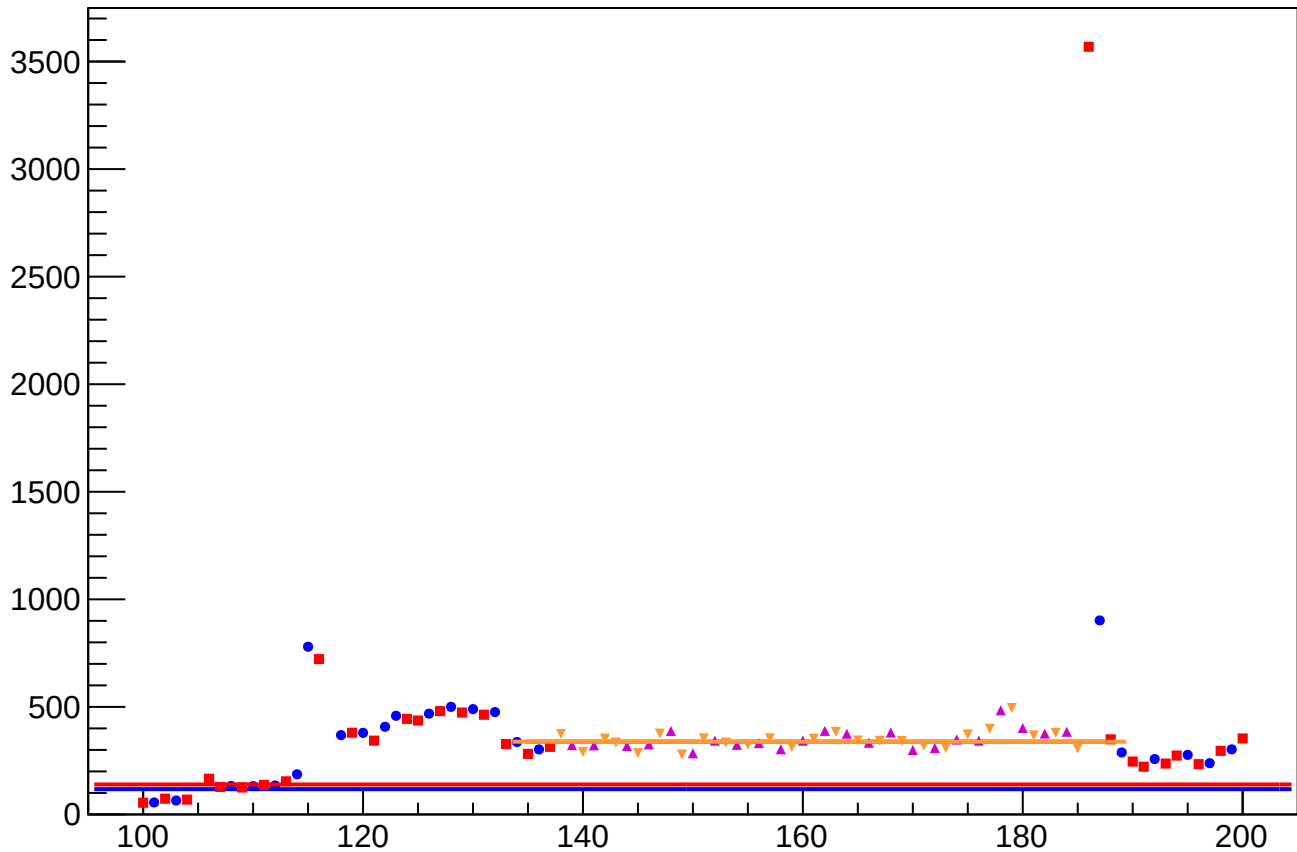
Left In: -79.985 $\pm$ 81.781 χ^2 /NDF:33.4/22

+ sign -43.364 $\pm$ 41.332 χ^2 /NDF: 51.8/47

All: -32.342 $\pm$ 29.377 χ^2 /NDF: 110.0/98

- sign -21.089 $\pm$ 41.762 χ^2 /NDF: 58.0/50

asym_sam_15_avg_correction_rms vs Slug



Right In: 117.645 $\pm$ 0.034 χ^2 /NDF: 8702548.8/22

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

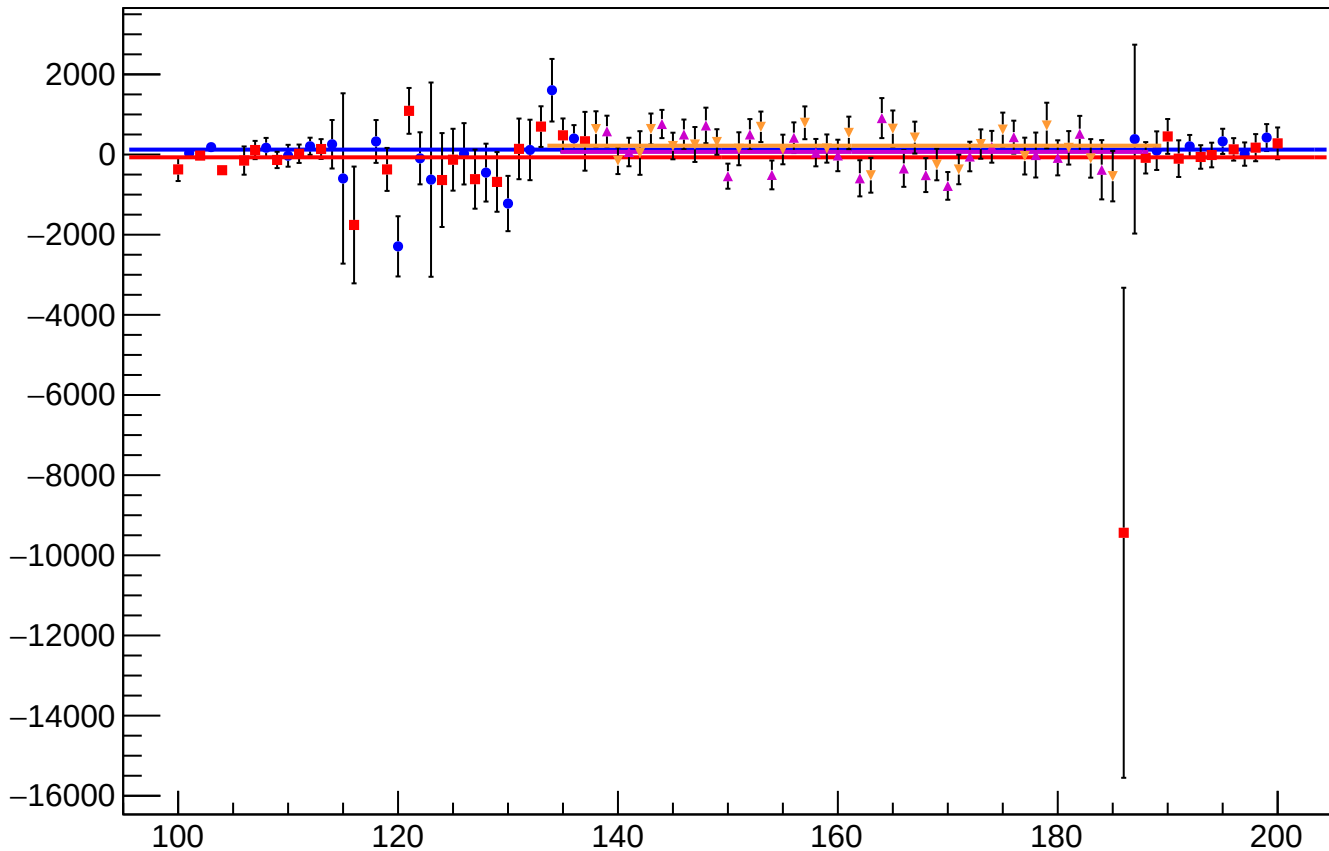
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 177.167 $\pm$ 0.029 χ^2 /NDF: 20417918.2/47

All: 184.212 $\pm$ 0.021 χ^2 /NDF: 38687159.6/98

- sign 191.404 $\pm$ 0.030 χ^2 /NDF: 18151824.6/50

asym_sam_15_avg_mean vs Slug



Right In: 123.144 $\pm$ 57.909 χ^2 /NDF: 22.6/22

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

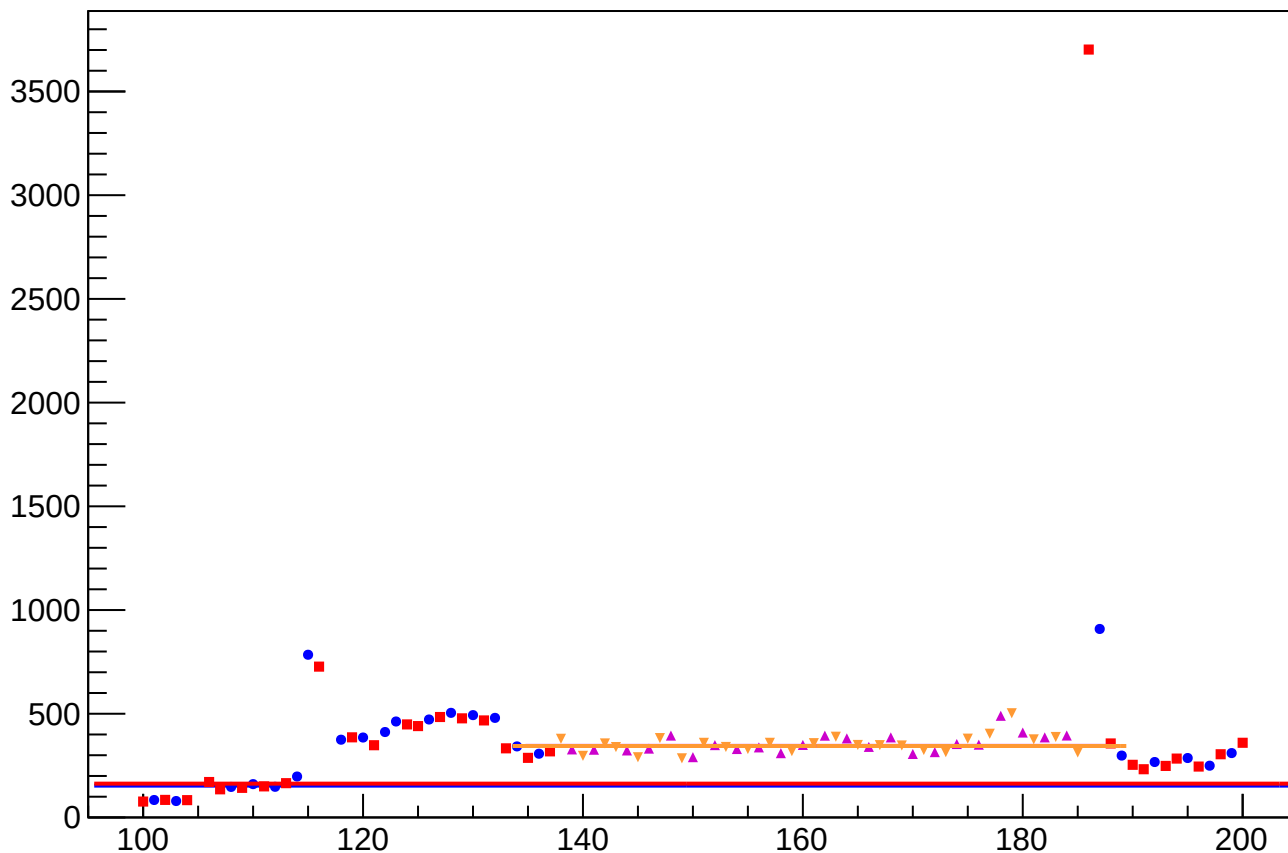
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF: 34.0/22

+ sign 156.260 $\pm$ 47.112 χ^2 /NDF: 43.2/47

All: 60.706 $\pm$ 32.773 χ^2 /NDF: 114.2/98

- sign -28.891 $\pm$ 45.619 χ^2 /NDF: 63.0/50

asym_sam_15_avg_rms vs Slug



Right In: 153.520 $\pm$ 0.041 χ^2 /NDF: 6771004.4/22

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

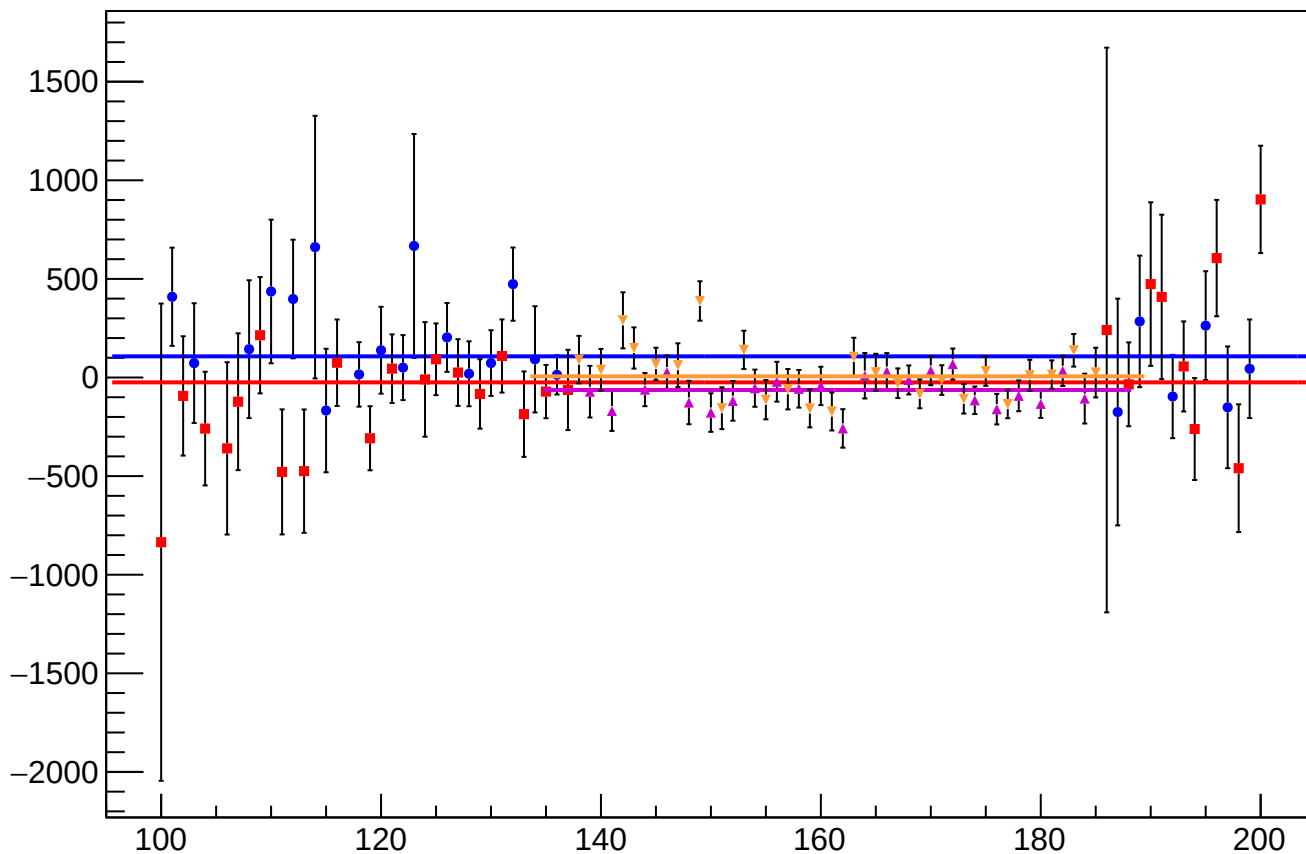
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 218.099 $\pm$ 0.033 χ^2 /NDF: 14615194.5/47

All: 217.832 $\pm$ 0.023 χ^2 /NDF: 29337698.2/98

- sign 217.581 $\pm$ 0.032 χ^2 /NDF: 14722378.9/50

reg_asym_sam_26_avg_mean vs Slug



Right In: 107.257 $\pm$ 45.304 χ^2 /NDF: 14.1/22

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF:46.0/24

Right Out: -24.625 $\pm$ 44.631 χ^2 /NDF: 33.4/27

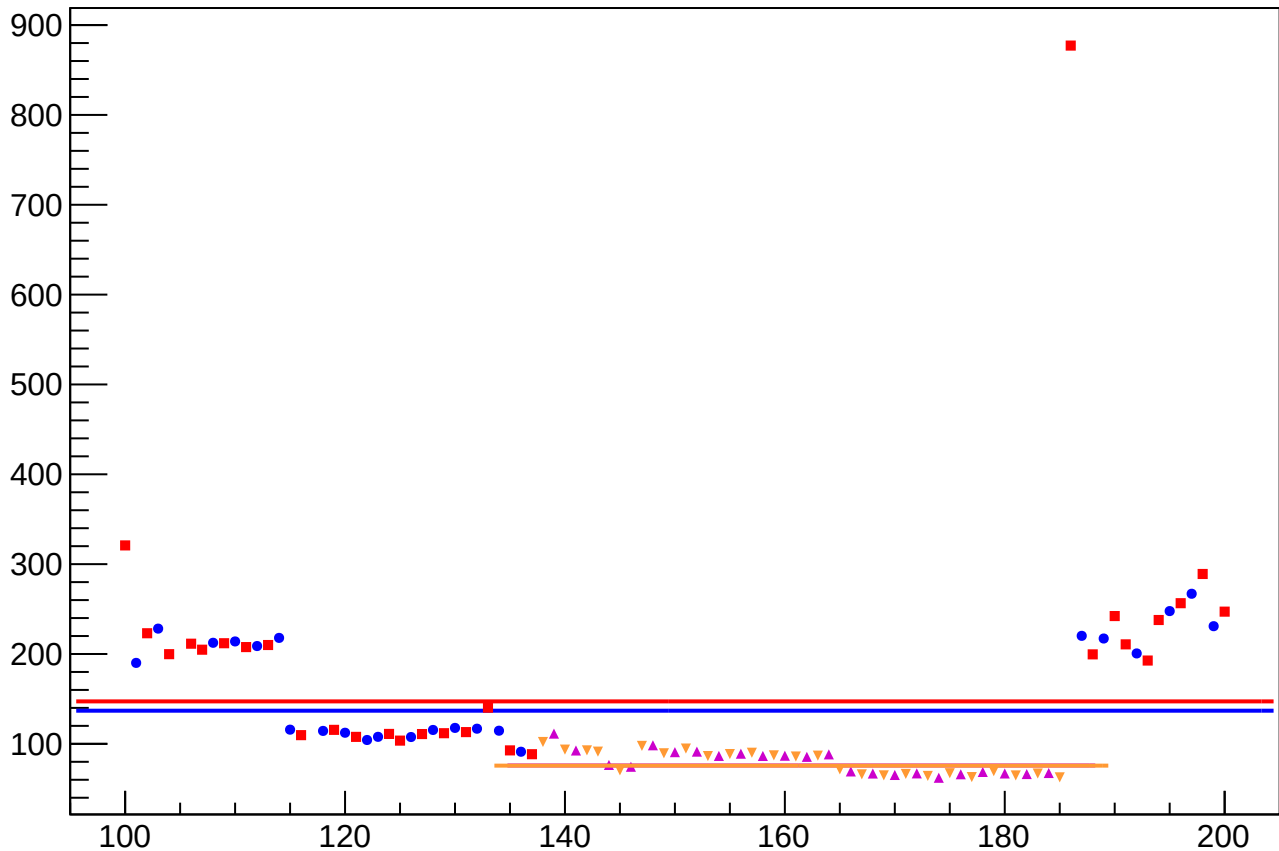
Left In: -63.279 $\pm$ 18.447 χ^2 /NDF:19.8/22

+ sign 19.703 $\pm$ 16.656 χ^2 /NDF: 64.4/47

All: -18.068 $\pm$ 11.914 χ^2 /NDF: 128.8/98

- sign -57.639 $\pm$ 17.048 χ^2 /NDF: 53.8/50

reg_asym_sam_26_avg_rms vs Slug



Right In: 136.880 $\pm$ 0.032 χ^2 /NDF: 2629795.2/22

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

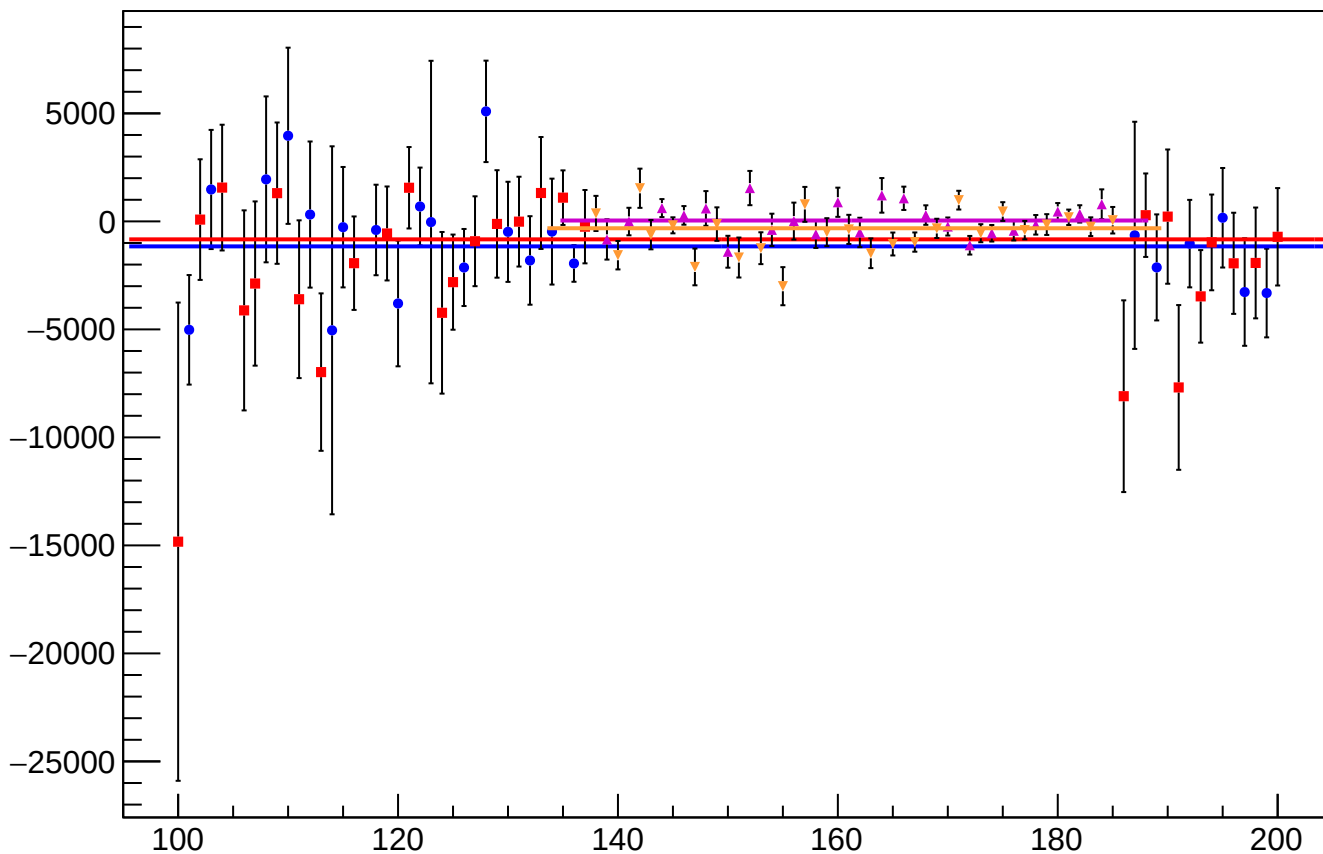
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF: 831366.4/22

+ sign 84.006 $\pm$ 0.012 χ^2 /NDF: 6717588.9/47

All: 85.135 $\pm$ 0.008 χ^2 /NDF: 15677773.9/98

- sign 86.318 $\pm$ 0.012 χ^2 /NDF: 8941367.6/50

asym_sam_26_avg_correction_mean vs Slug



Right In: -1157.294 ± 455.166 χ^2/NDF : 18.8/22

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -831.850 ± 456.995 χ^2/NDF : 22.2/27

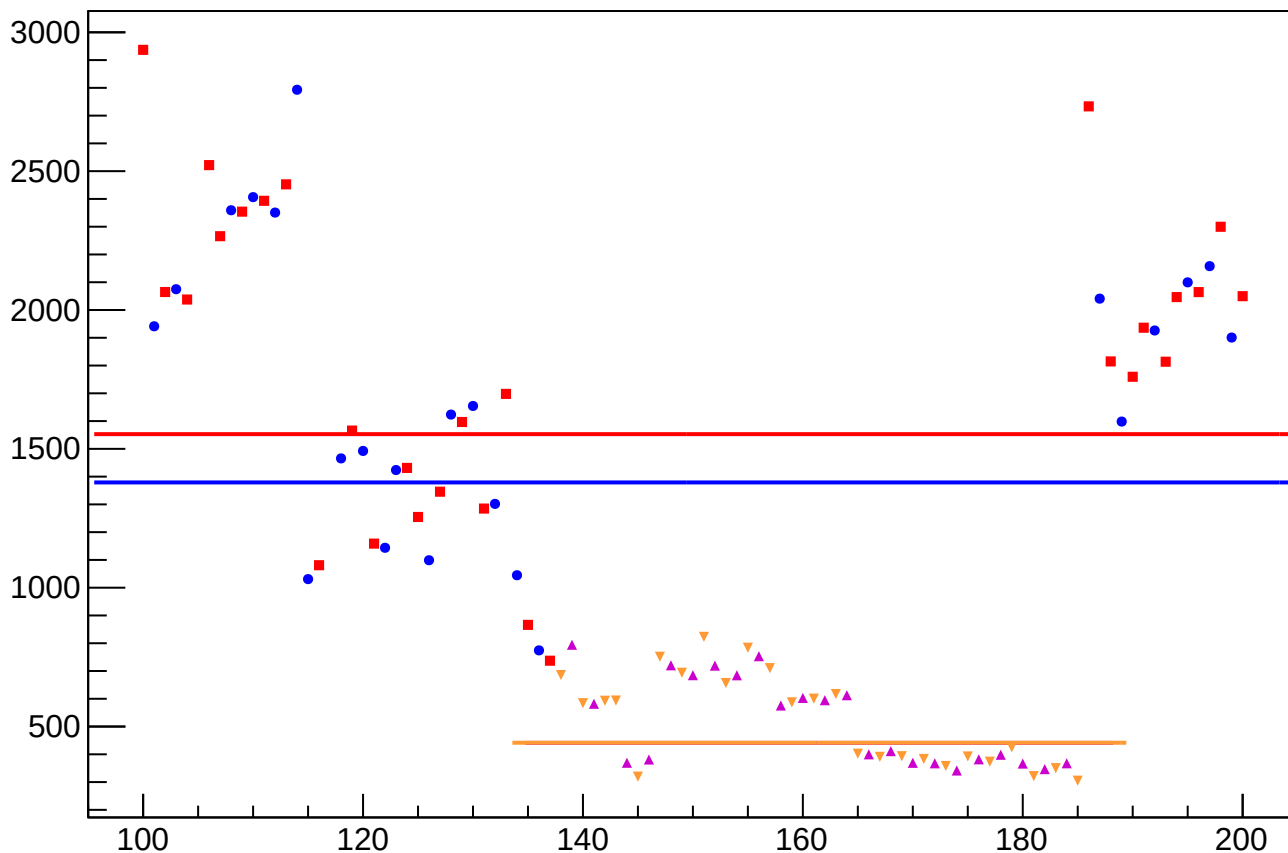
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -362.805 ± 105.095 χ^2/NDF : 72.1/47

All: -188.641 ± 75.039 χ^2/NDF : 138.1/98

- sign -7.507 ± 107.177 χ^2/NDF : 60.4/50

asym_sam_26_avg_correction_rms vs Slug



Right In: 1379.038 $\pm$ 0.322 χ^2 /NDF: 2645489.7/22

Left Out: 441.685 $\pm$ 0.076 χ^2 /NDF: 3169140.9/24

Right Out: 1552.953 $\pm$ 0.323 χ^2 /NDF: 2692490.5/27

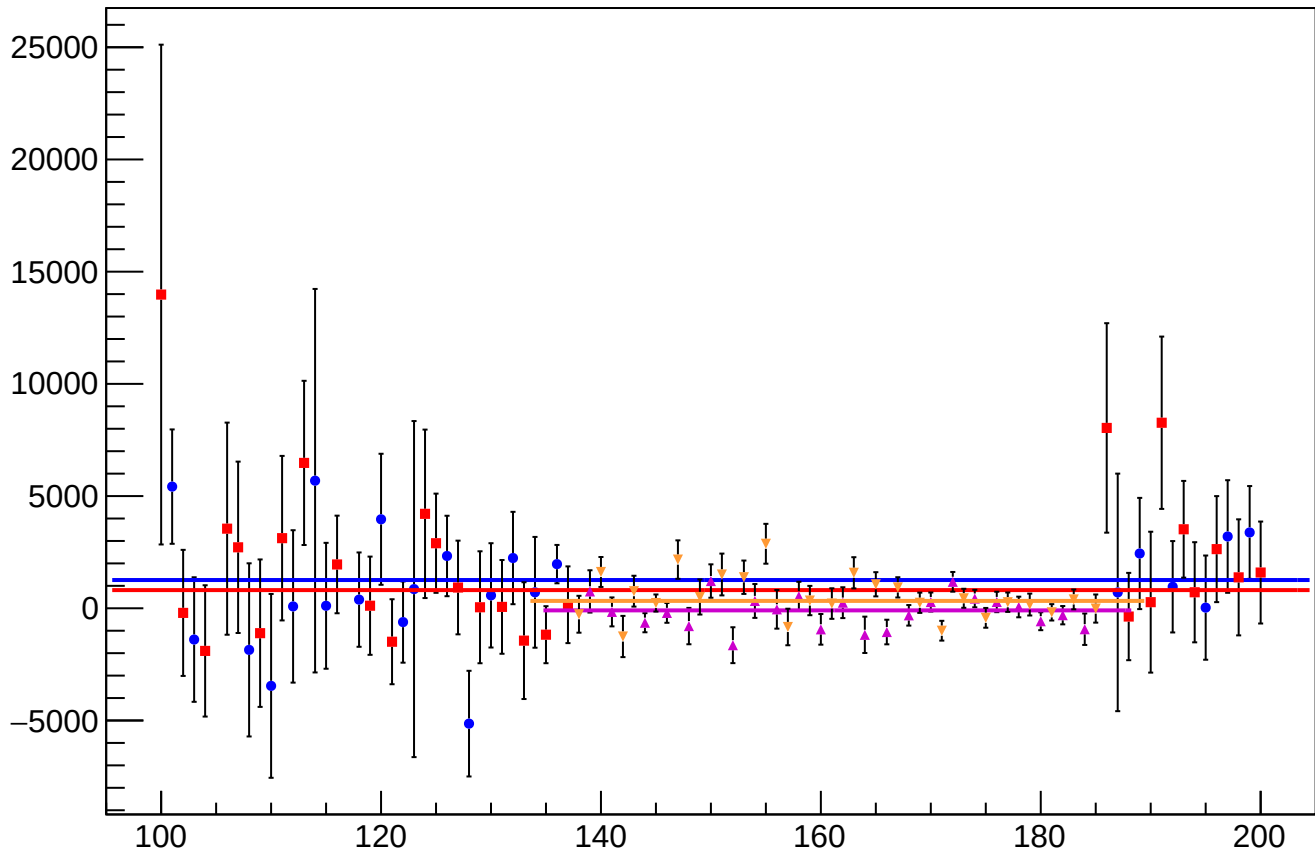
Left In: 441.009 $\pm$ 0.078 χ^2 /NDF: 2597018.1/22

+ sign 491.657 $\pm$ 0.074 χ^2 /NDF: 13844403.4/47

All: 496.809 $\pm$ 0.053 χ^2 /NDF: 30333051.9/98

- sign 502.169 $\pm$ 0.076 χ^2 /NDF: 16478840.1/50

asym_sam_26_avg_mean vs Slug



Right In: 1259.088 ± 457.932 $\chi^2/\text{NDF}: 19.2/22$

Left Out: 328.599 ± 109.668 $\chi^2/\text{NDF}: 47.7/24$

Right Out: 810.317 ± 459.873 $\chi^2/\text{NDF}: 22.2/27$

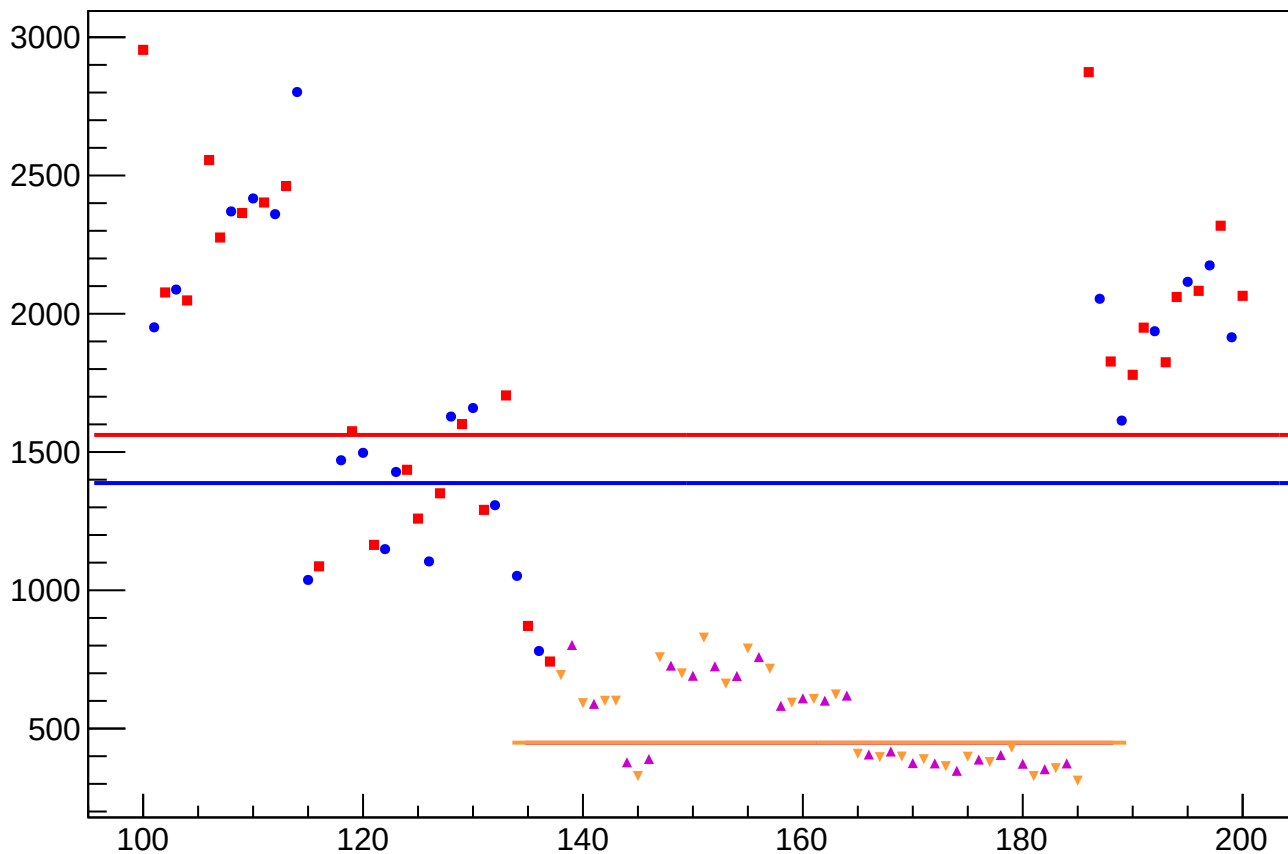
Left In: -93.310 ± 111.960 $\chi^2/\text{NDF}: 33.3/22$

+ sign 379.071 ± 106.652 $\chi^2/\text{NDF}: 70.8/47$

All: 172.332 ± 76.156 $\chi^2/\text{NDF}: 137.6/98$

- sign -42.748 ± 108.782 $\chi^2/\text{NDF}: 59.1/50$

asym_sam_26_avg_rms vs Slug



Right In: 1387.788 $\pm$ 0.324 χ^2 /NDF: 2636108.1/22

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

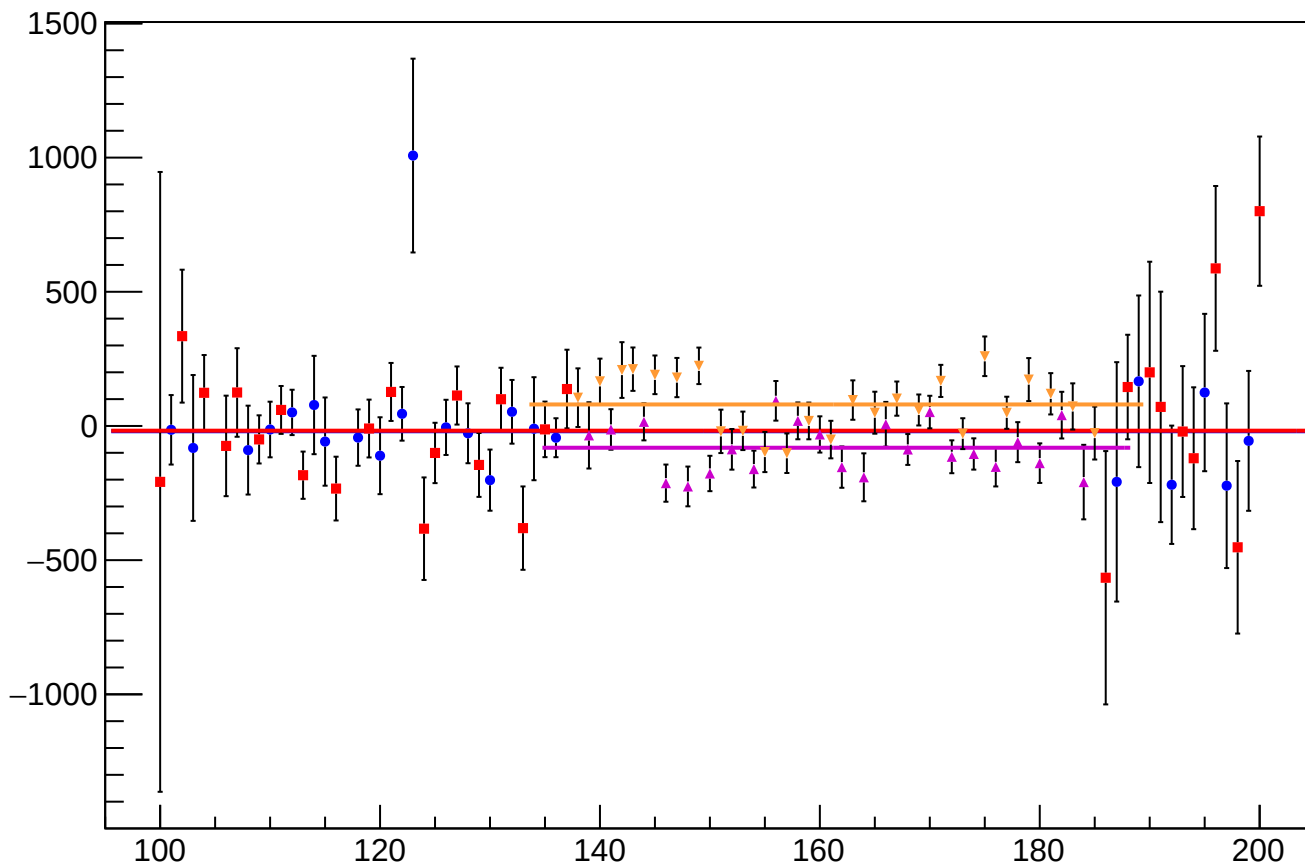
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF: 2537376.0/22

+ sign 499.938 $\pm$ 0.075 χ^2 /NDF: 13675866.8/47

All: 505.169 $\pm$ 0.054 χ^2 /NDF: 30005767.0/98

- sign 510.611 $\pm$ 0.077 χ^2 /NDF: 16320082.9/50

reg_asym_sam_37_avg_mean vs Slug



Right In: -19.741 ± 28.070 $\chi^2/\text{NDF}: 15.3/22$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -17.592 ± 26.943 $\chi^2/\text{NDF}: 44.7/27$

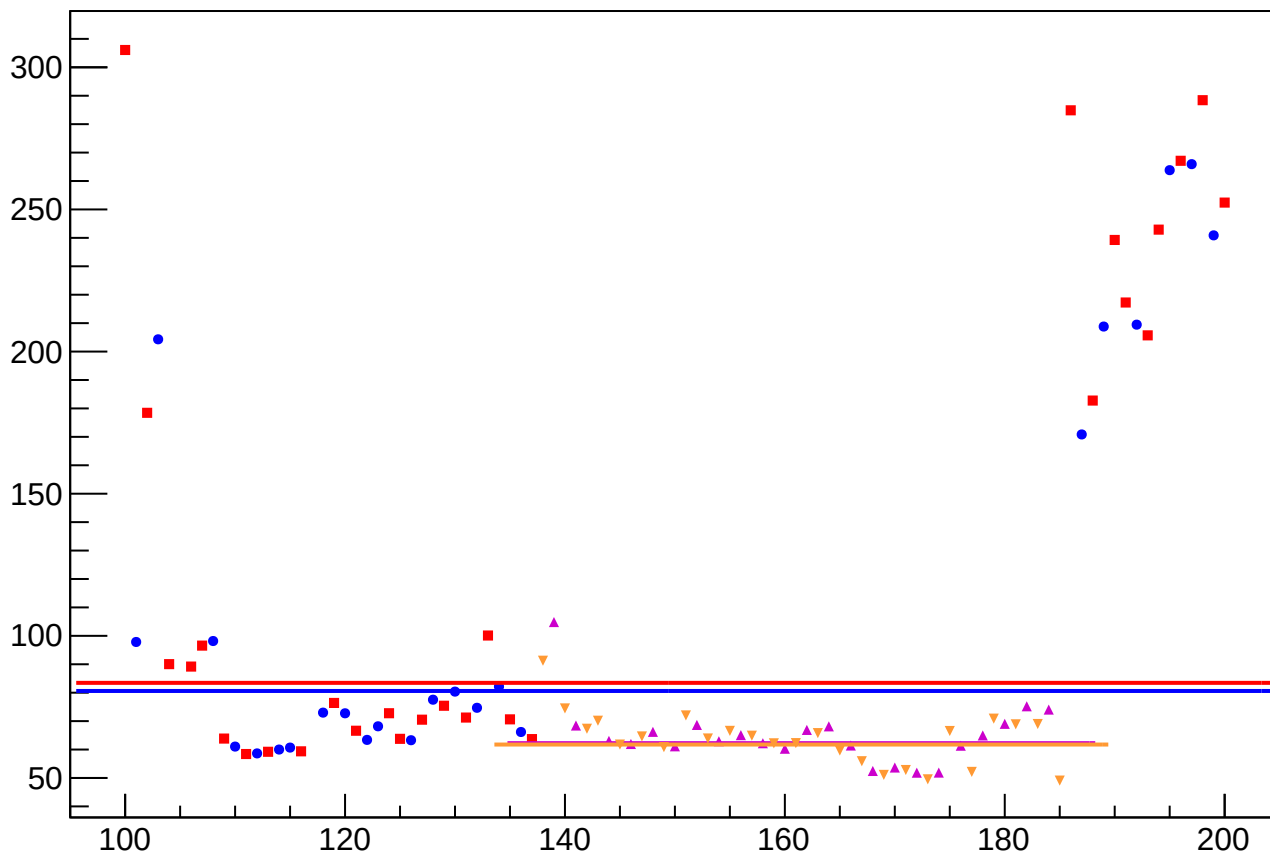
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 58.914 ± 12.947 $\chi^2/\text{NDF}: 73.9/47$

All: -2.427 ± 9.235 $\chi^2/\text{NDF}: 203.8/98$

- sign -65.955 ± 13.176 $\chi^2/\text{NDF}: 84.2/50$

reg_asym_sam_37_avg_rms vs Slug



Right In: 80.606 ± 0.020 $\chi^2/\text{NDF}: 4308097.0/22$

Left Out: 61.761 ± 0.010 $\chi^2/\text{NDF}: 645535.0/24$

Right Out: 83.462 ± 0.019 $\chi^2/\text{NDF}: 6010401.3/27$

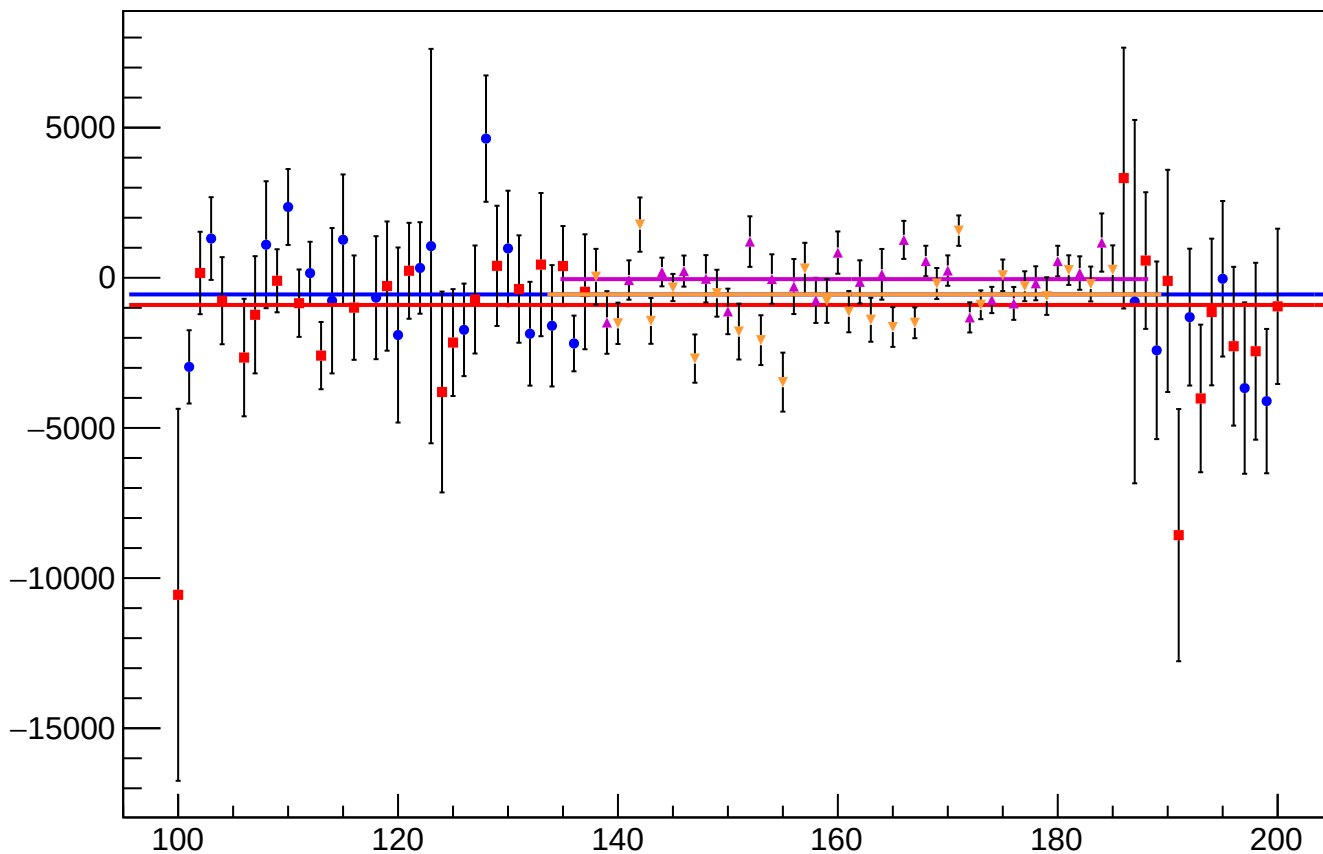
Left In: 62.250 ± 0.011 $\chi^2/\text{NDF}: 591085.1/22$

+ sign 65.770 ± 0.009 $\chi^2/\text{NDF}: 5663311.2/47$

All: 66.533 ± 0.007 $\chi^2/\text{NDF}: 13222131.1/98$

- sign 67.323 ± 0.009 $\chi^2/\text{NDF}: 7544694.3/50$

asym_sam_37_avg_correction_mean vs Slug



Right In: -554.204 $\pm$ 362.805 χ^2 /NDF: 28.6/22

Left Out: -552.511 $\pm$ 126.981 χ^2 /NDF:65.3/24

Right Out: -904.872 $\pm$ 345.031 χ^2 /NDF: 17.3/27

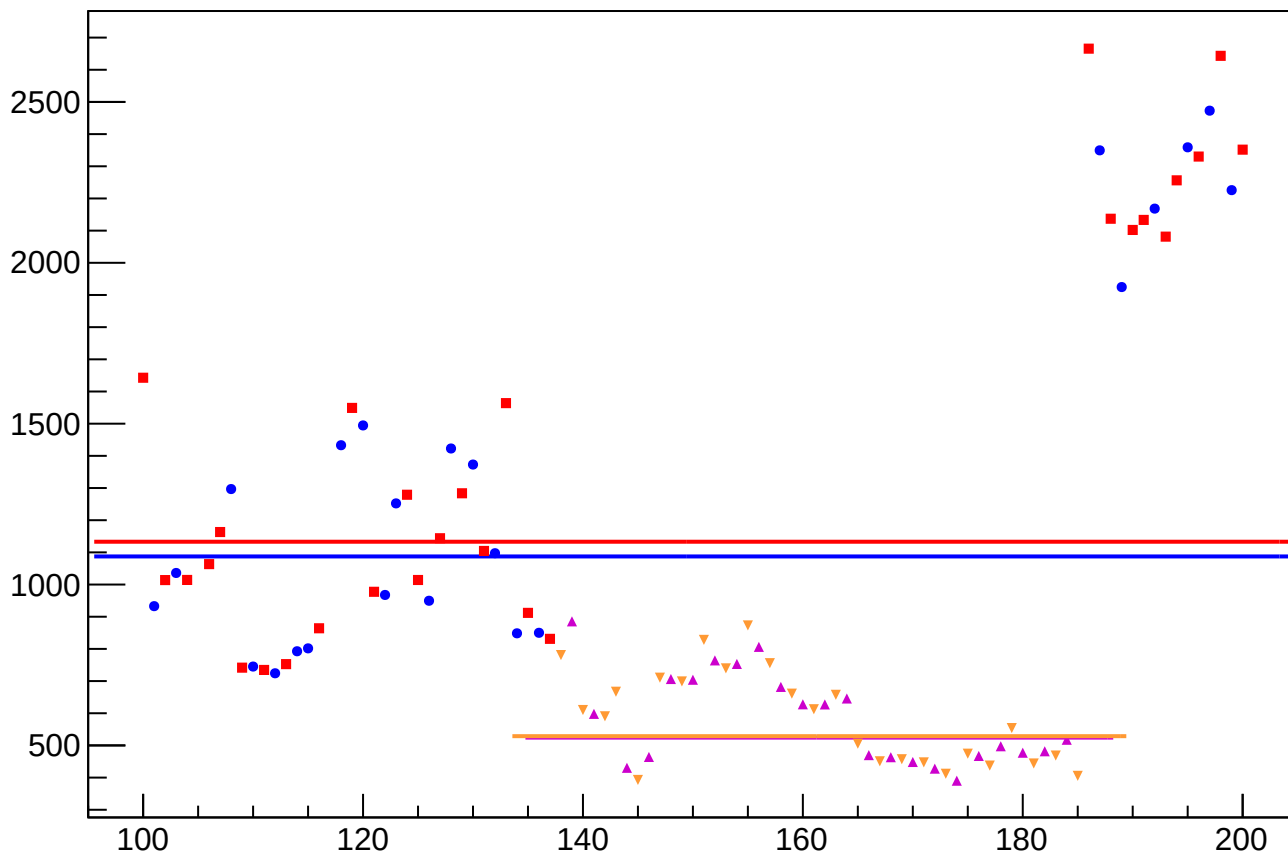
Left In: -44.578 $\pm$ 129.095 χ^2 /NDF:29.6/22

+ sign -552.695 $\pm$ 119.852 χ^2 /NDF: 93.9/47

All: -353.225 $\pm$ 85.119 χ^2 /NDF: 151.8/98

- sign -150.222 $\pm$ 120.909 χ^2 /NDF: 52.3/50

asym_sam_37_avg_correction_rms vs Slug



Right In: 1087.355+/-0.257 χ^2/NDF : 2986766.1/22

Left Out: 528.736+/-0.090 χ^2/NDF :1983697.7/24

Right Out: 1133.102+/-0.244 χ^2/NDF : 4132216.6/27

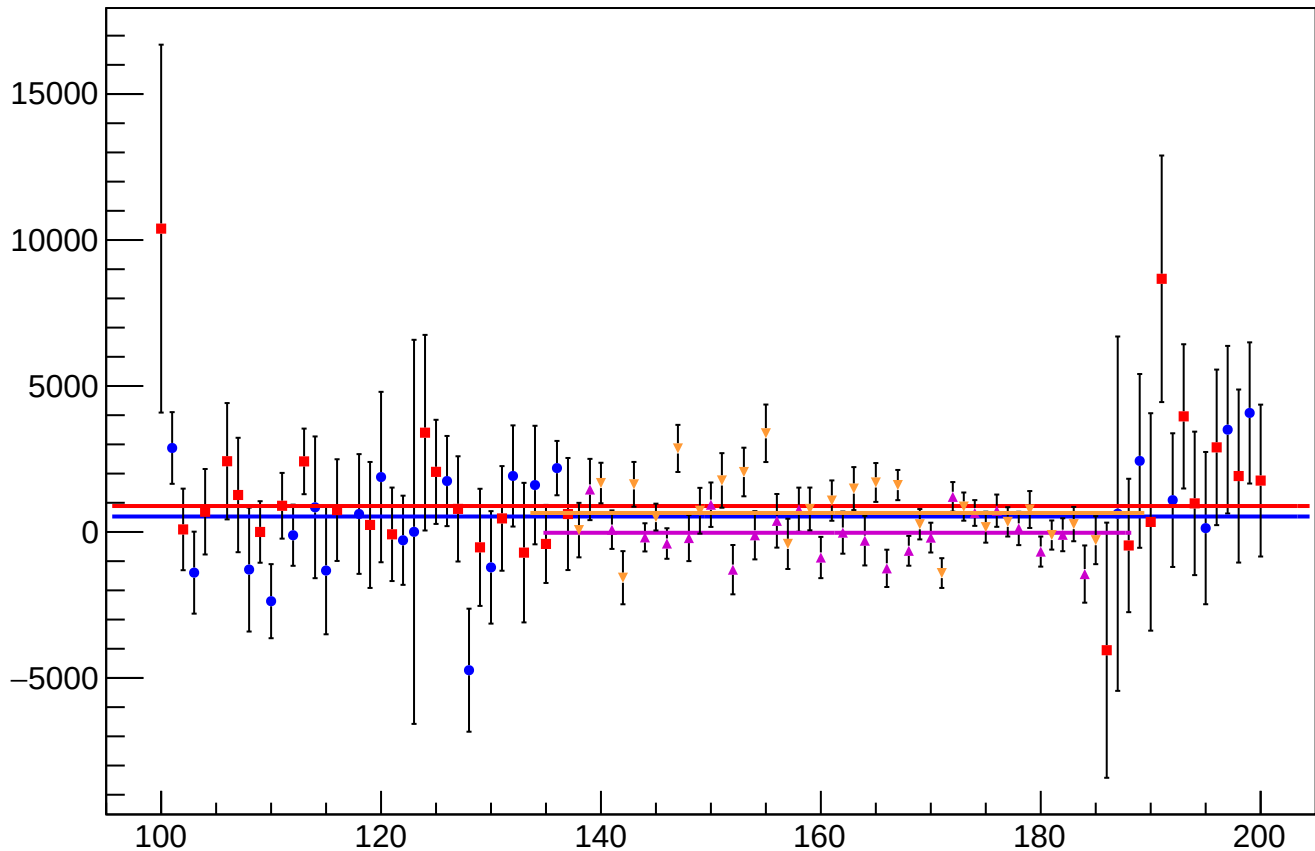
Left In: 524.268+/-0.091 χ^2/NDF :1716257.3/22

+ sign 589.698+/-0.085 χ^2/NDF : 9194515.9/47

All: 594.325+/-0.060 χ^2/NDF : 20511726.7/98

- sign 599.033+/-0.085 χ^2/NDF : 11311197.9/50

asym_sam_37_avg_mean vs Slug



Right In: 529.803 ± 364.498 χ^2/NDF : 28.6/22

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 888.951 ± 346.810 χ^2/NDF : 16.6/27

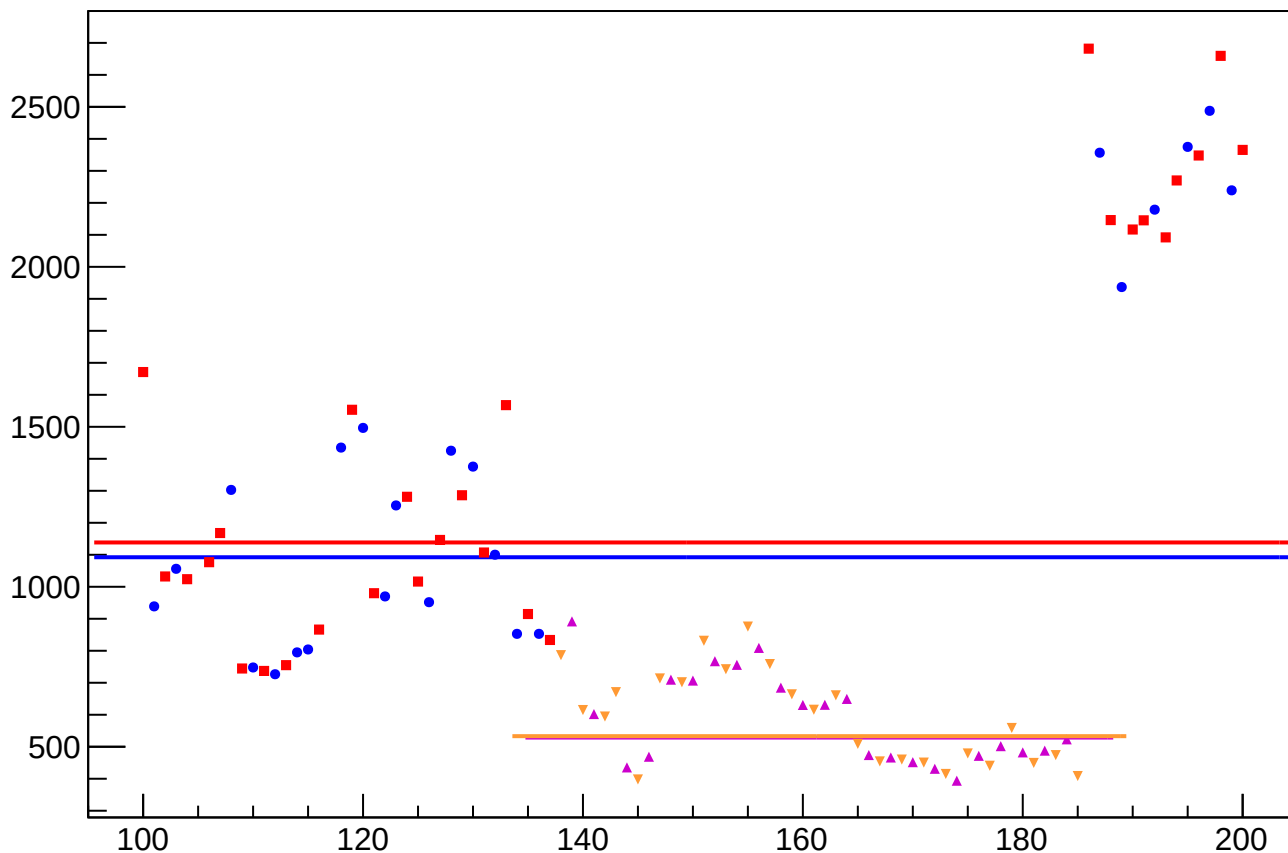
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 638.200 ± 120.737 χ^2/NDF : 89.8/47

All: 364.403 ± 85.759 χ^2/NDF : 151.4/98

- sign 85.613 ± 121.833 χ^2/NDF : 51.2/50

asym_sam_37_avg_rms vs Slug



Right In: 1092.293+/-0.258 χ^2/NDF : 2991573.8/22

Left Out: 533.060+/-0.090 χ^2/NDF : 1951536.4/24

Right Out: 1138.509+/-0.245 χ^2/NDF : 4141701.3/27

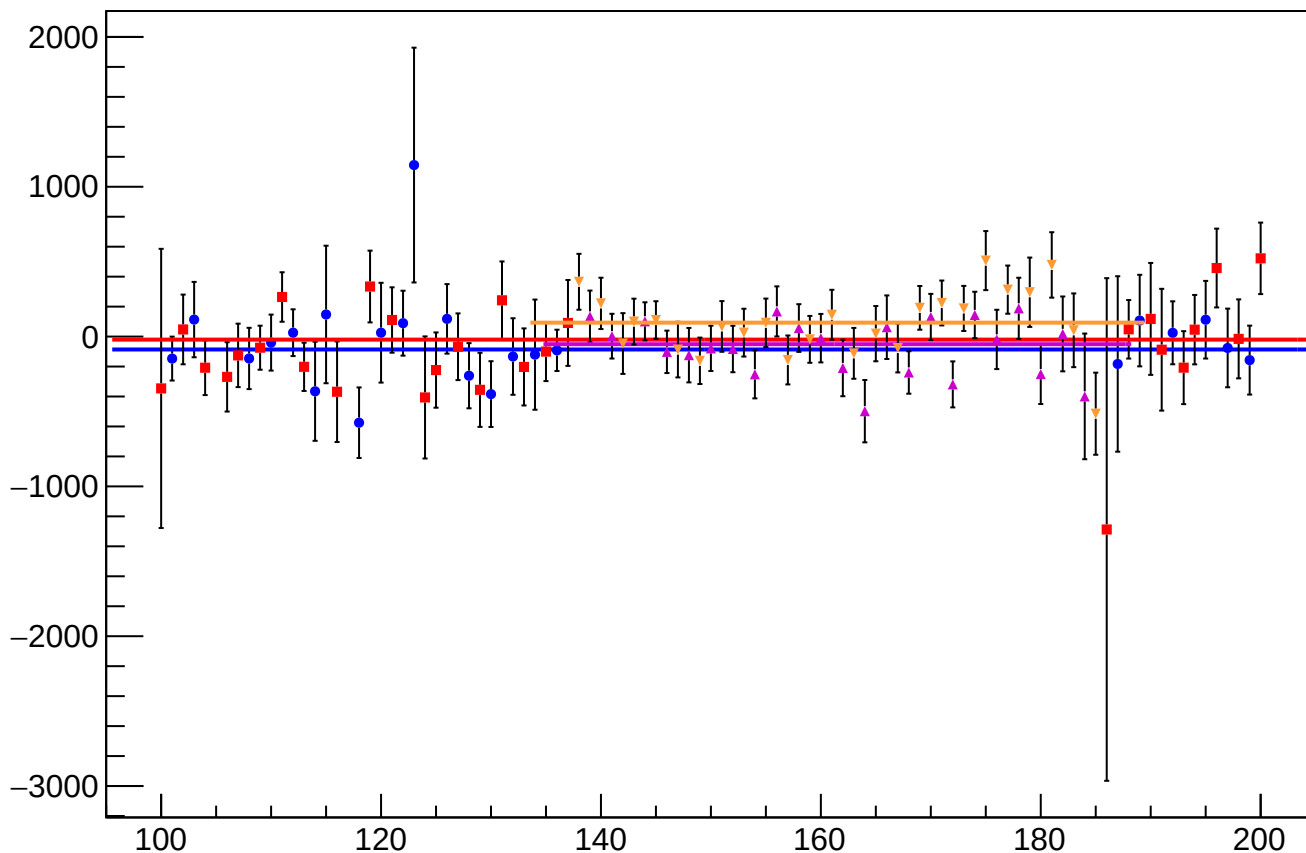
Left In: 528.694+/-0.092 χ^2/NDF : 1688511.2/22

+ sign 594.420+/-0.085 χ^2/NDF : 9134435.6/47

All: 599.142+/-0.061 χ^2/NDF : 20391329.1/98

- sign 603.951+/-0.086 χ^2/NDF : 11250718.7/50

reg_asym_sam_48_avg_mean vs Slug



Right In: -86.116 ± 47.659 $\chi^2/\text{NDF}: 14.7/22$

Left Out: 92.994 ± 34.054 $\chi^2/\text{NDF}: 29.4/24$

Right Out: -20.246 ± 44.397 $\chi^2/\text{NDF}: 25.9/27$

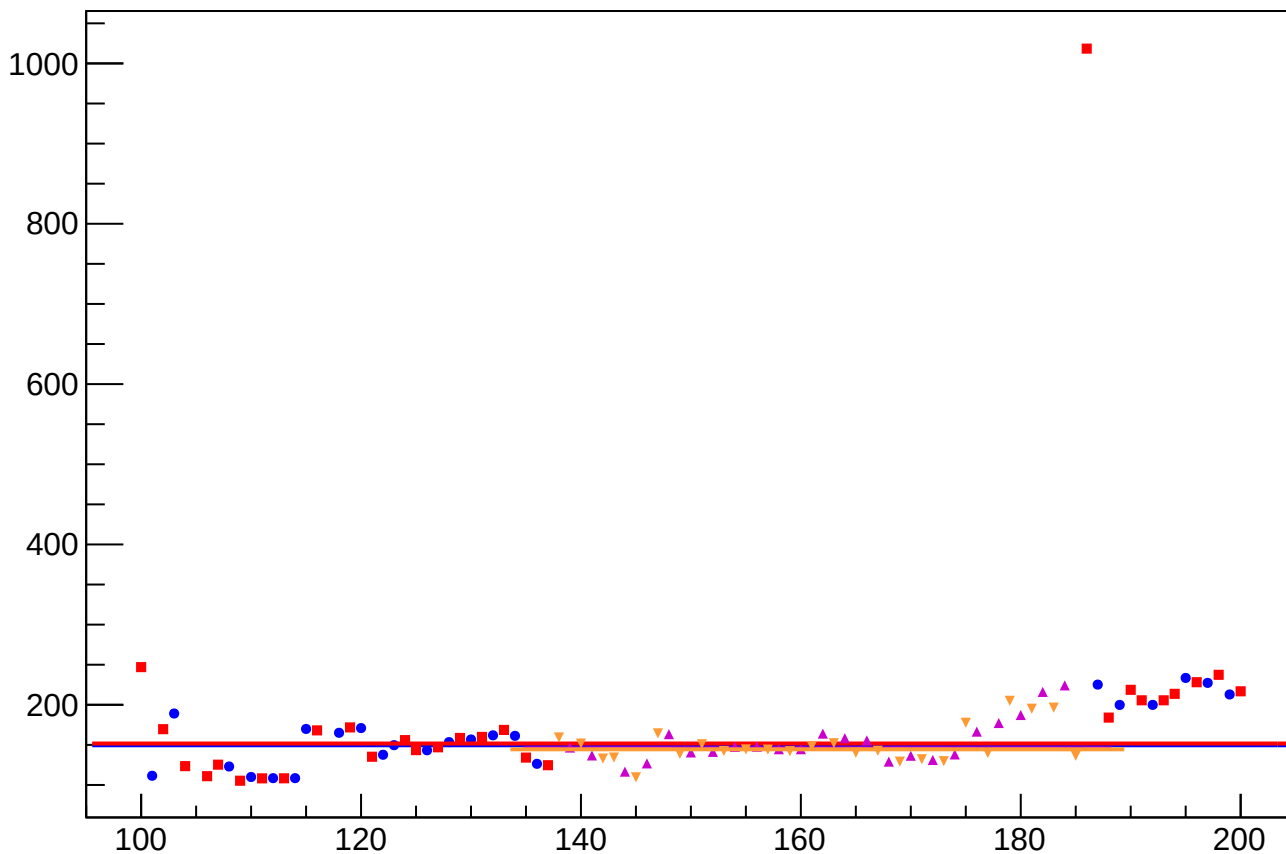
Left In: -50.896 ± 35.280 $\chi^2/\text{NDF}: 23.5/22$

+ sign 32.456 ± 27.707 $\chi^2/\text{NDF}: 53.5/47$

All: -3.400 ± 19.561 $\chi^2/\text{NDF}: 106.5/98$

- sign -39.033 ± 27.621 $\chi^2/\text{NDF}: 49.7/50$

reg_asym_sam_48_avg_rms vs Slug



Right In: 149.521+/-0.034 χ^2/NDF : 1311284.3/22

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 151.707+/-0.031 χ^2/NDF : 2194632.7/27

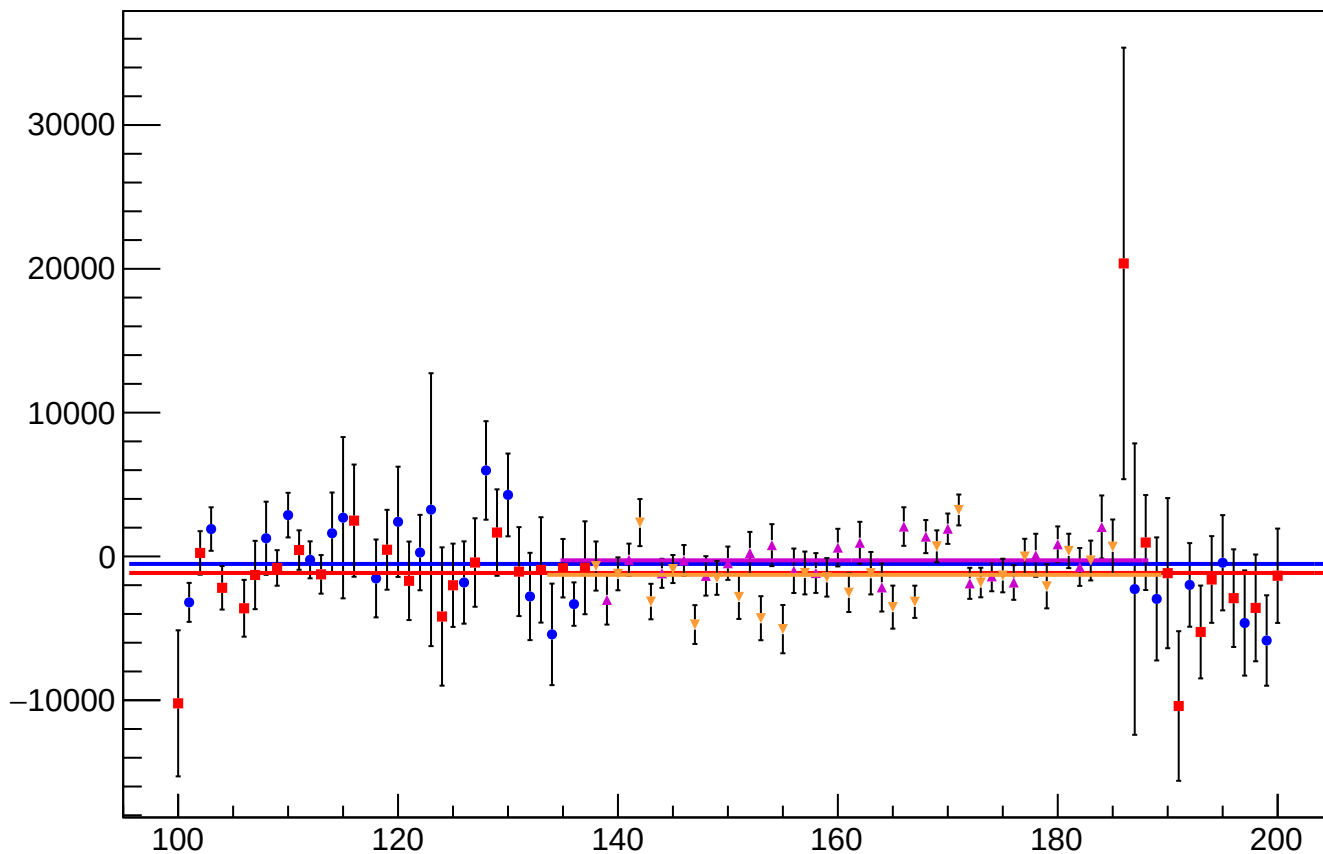
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 146.181+/-0.020 χ^2/NDF : 1996615.9/47

All: 147.055+/-0.014 χ^2/NDF : 4862439.9/98

- sign 147.924+/-0.020 χ^2/NDF : 2861855.0/50

asym_sam_48_avg_correction_mean vs Slug



Right In: -521.433 ± 495.117 χ^2/NDF : 30.9/22

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1149.318 ± 449.925 χ^2/NDF : 18.2/27

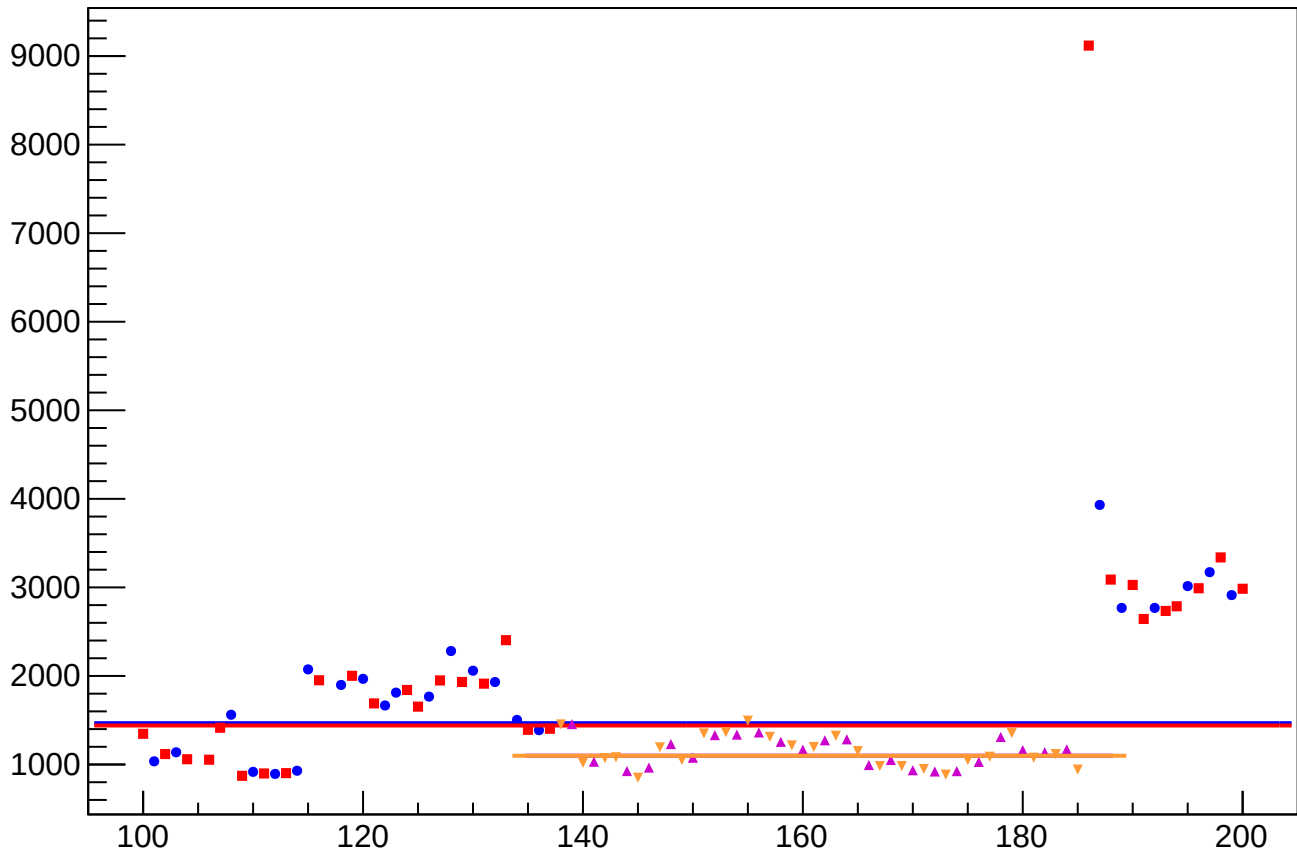
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1116.198 ± 229.704 χ^2/NDF : 88.7/47

All: -806.339 ± 162.223 χ^2/NDF : 137.6/98

- sign -498.020 ± 229.133 χ^2/NDF : 45.3/50

asym_sam_48_avg_correction_rms vs Slug



Right In: 1466.774 ± 0.350 $\chi^2/\text{NDF}: 3413193.7/22$

Left Out: 1098.909 ± 0.183 $\chi^2/\text{NDF}: 824328.7/24$

Right Out: 1440.475 ± 0.318 $\chi^2/\text{NDF}: 5218852.3/27$

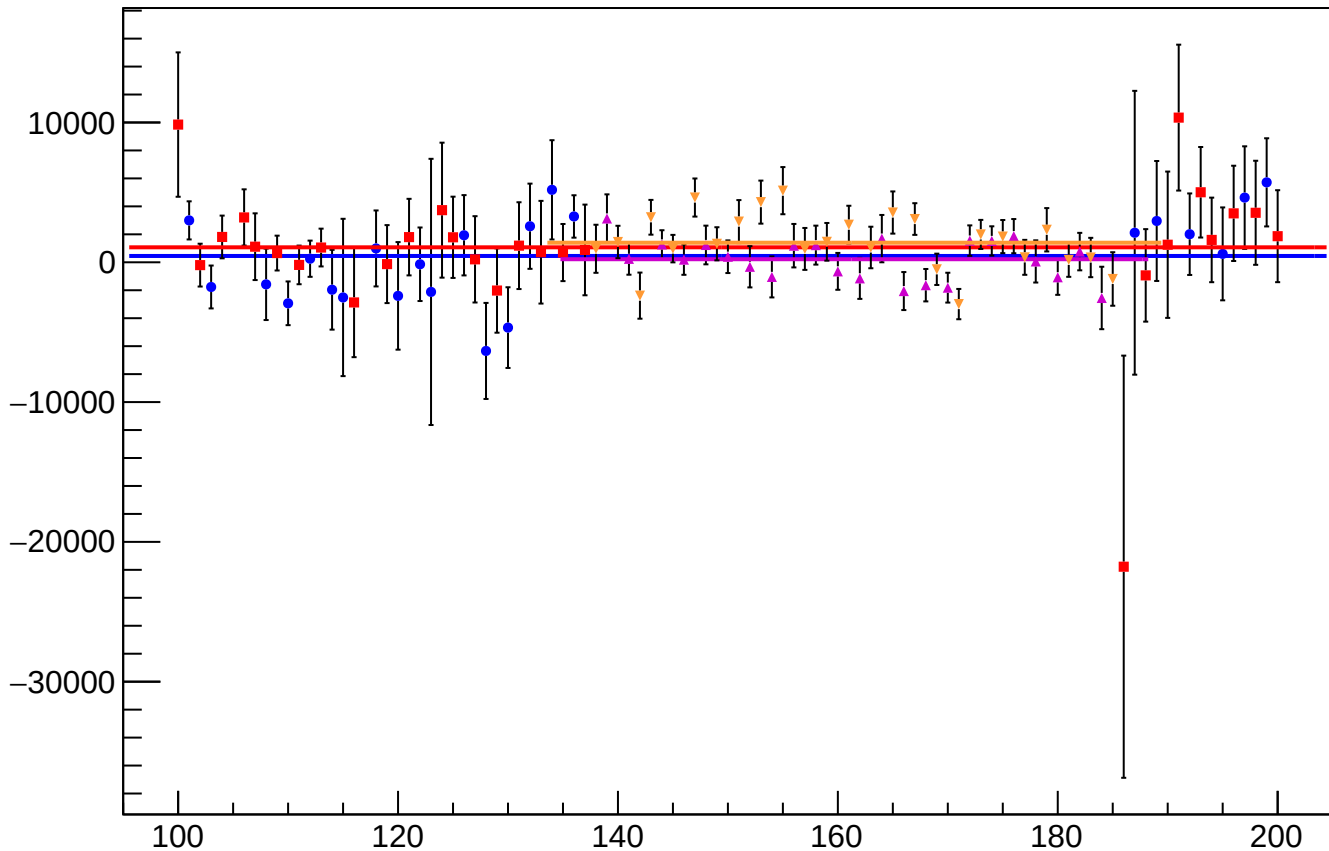
Left In: 1099.585 ± 0.188 $\chi^2/\text{NDF}: 679896.1/22$

+ sign 1178.088 ± 0.162 $\chi^2/\text{NDF}: 5103943.8/47$

All: 1183.055 ± 0.115 $\chi^2/\text{NDF}: 11854891.7/9$

- sign 1187.997 ± 0.162 $\chi^2/\text{NDF}: 6749082.8/50$

asym_sam_48_avg_mean vs Slug



Right In: 452.012 $\pm$ 498.136 χ^2 /NDF: 30.4/22

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF: 52.2/24

Right Out: 1070.750 $\pm$ 453.094 χ^2 /NDF: 17.0/27

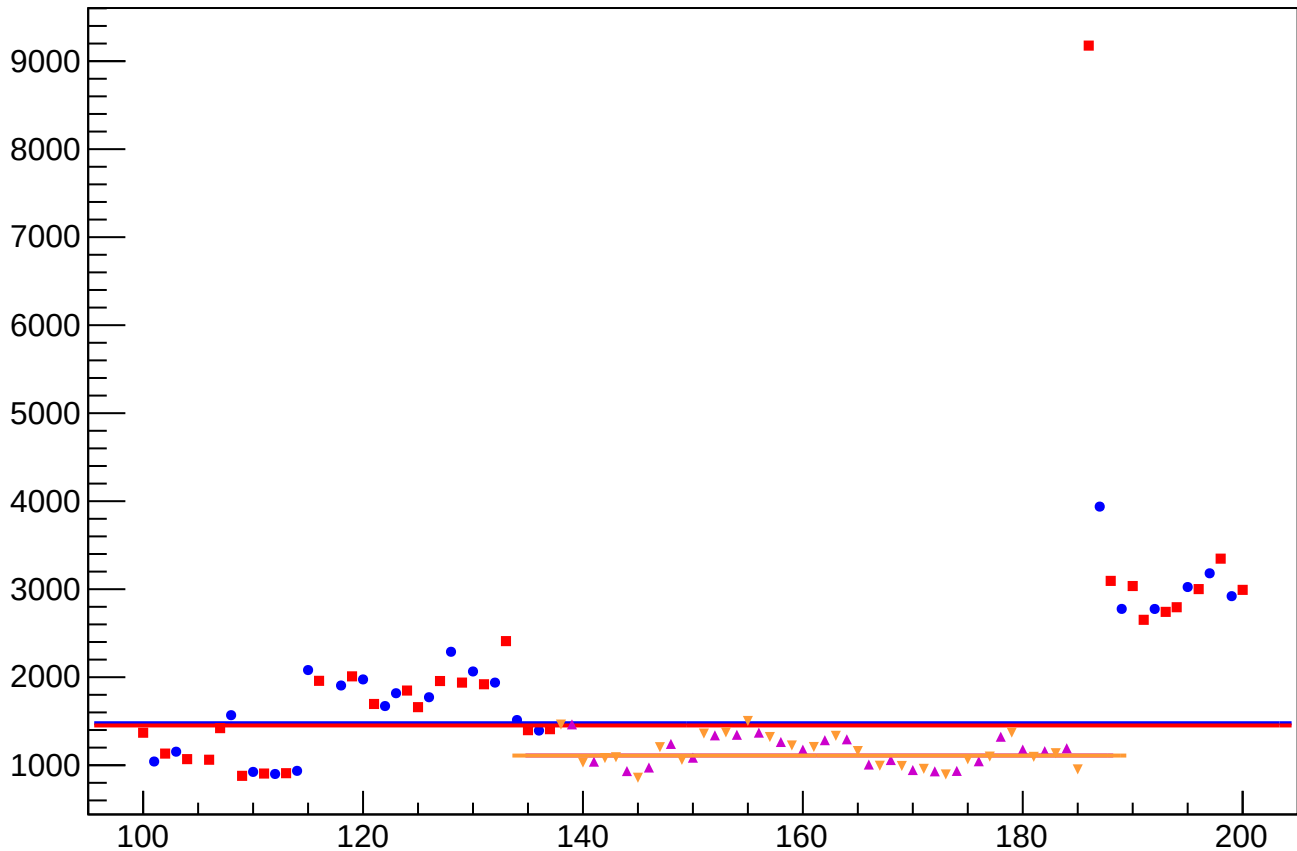
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1195.179 $\pm$ 231.746 χ^2 /NDF: 85.5/47

All: 817.264 $\pm$ 163.680 χ^2 /NDF: 135.5/98

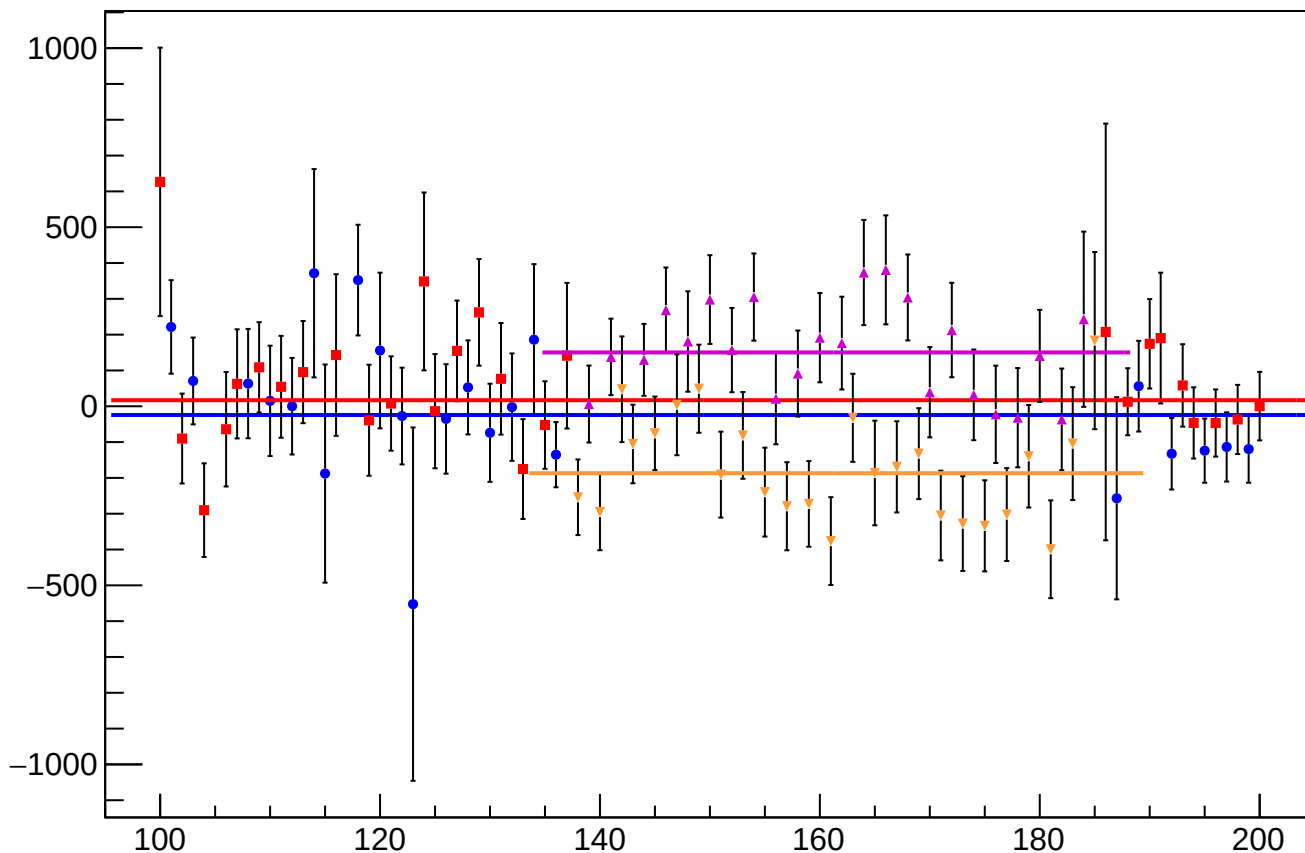
- sign 441.089 $\pm$ 231.212 χ^2 /NDF: 44.6/50

asym_sam_48_avg_rms vs Slug



Right In: 1476.997+/-0.352	χ^2/NDF : 3383924.5/22	+ sign 1189.245+/-0.164	χ^2/NDF : 5047821.2/47
Left Out: 1109.761+/-0.185	χ^2/NDF : 812174.9/24	All: 1194.335+/-0.116	χ^2/NDF : 11735267.0/9
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: -24.352 ± 28.024 χ^2/NDF : 22.9/22

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: 16.887 ± 25.441 χ^2/NDF : 22.8/27

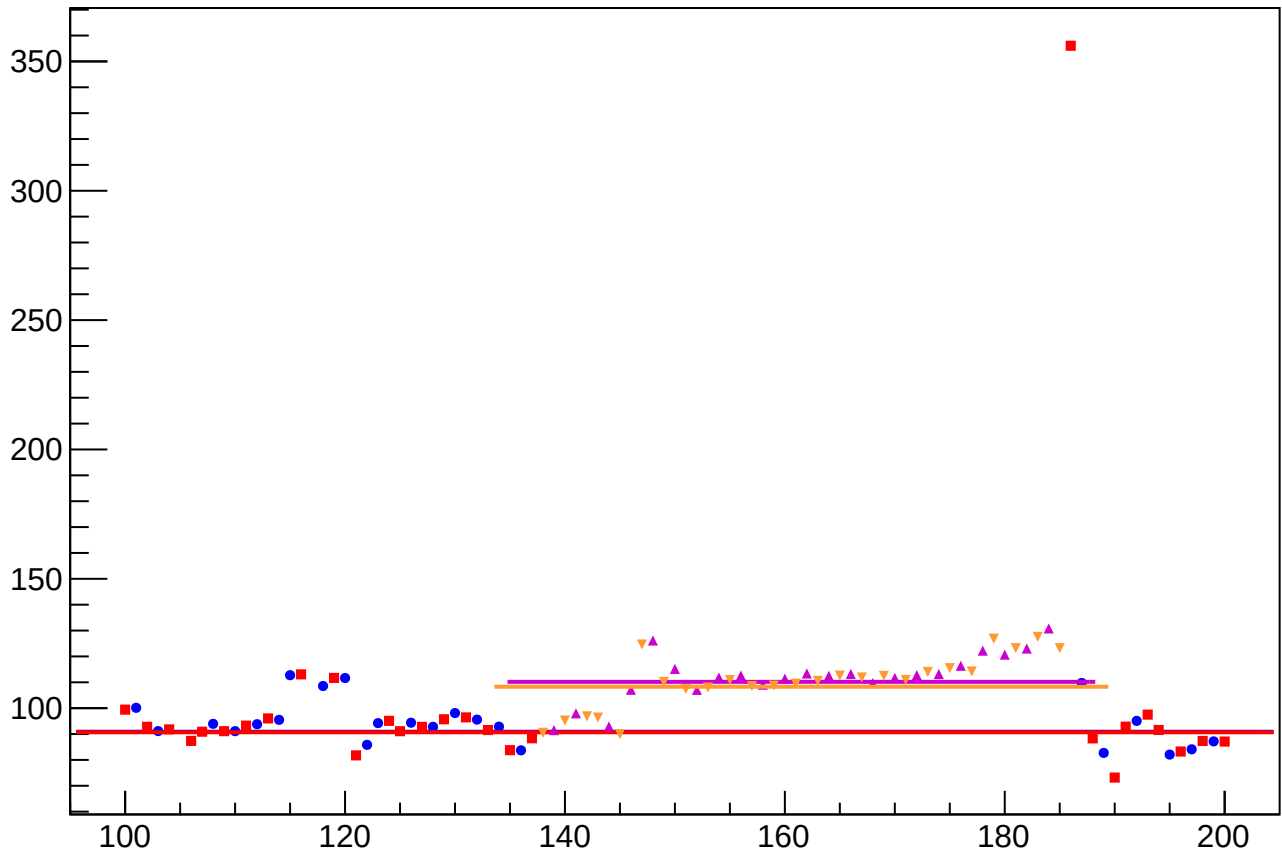
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -113.847 ± 18.782 χ^2/NDF : 68.0/47

All: -14.060 ± 13.120 χ^2/NDF : 179.8/98

- sign 81.020 ± 18.334 χ^2/NDF : 56.7/50

reg_asym_sam_15_dd_rms vs Slug



Right In: 90.882 $\pm$ 0.020 χ^2 /NDF: 144799.6/22

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

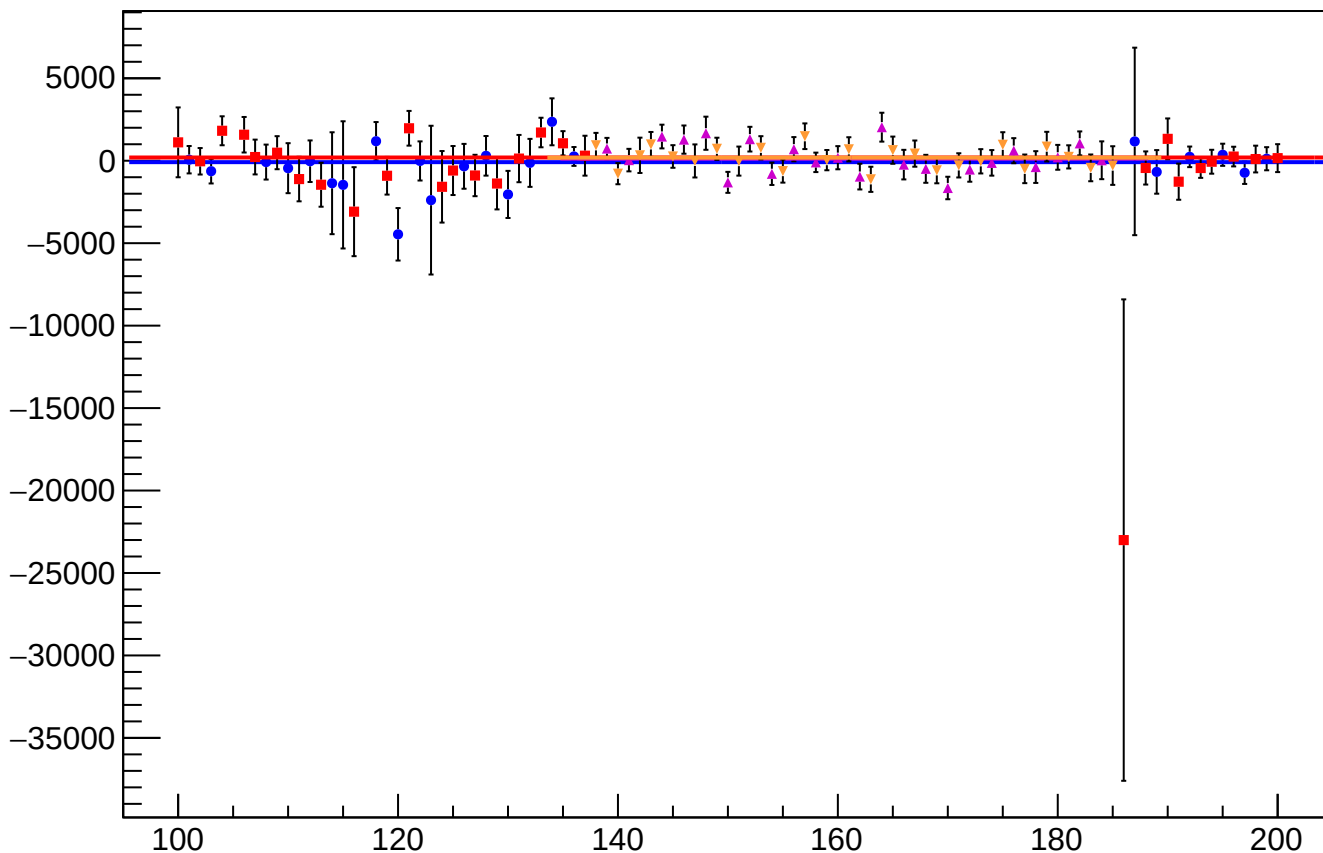
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 100.469 $\pm$ 0.013 χ^2 /NDF: 900417.5/47

All: 100.256 $\pm$ 0.009 χ^2 /NDF: 2278547.0/98

- sign 100.052 $\pm$ 0.013 χ^2 /NDF: 1377626.1/50

asym_sam_15_dd_correction_mean vs Slug



Right In: -86.266 ± 210.195 χ^2/NDF : 17.2/22

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 196.232 ± 190.168 χ^2/NDF : 27.0/27

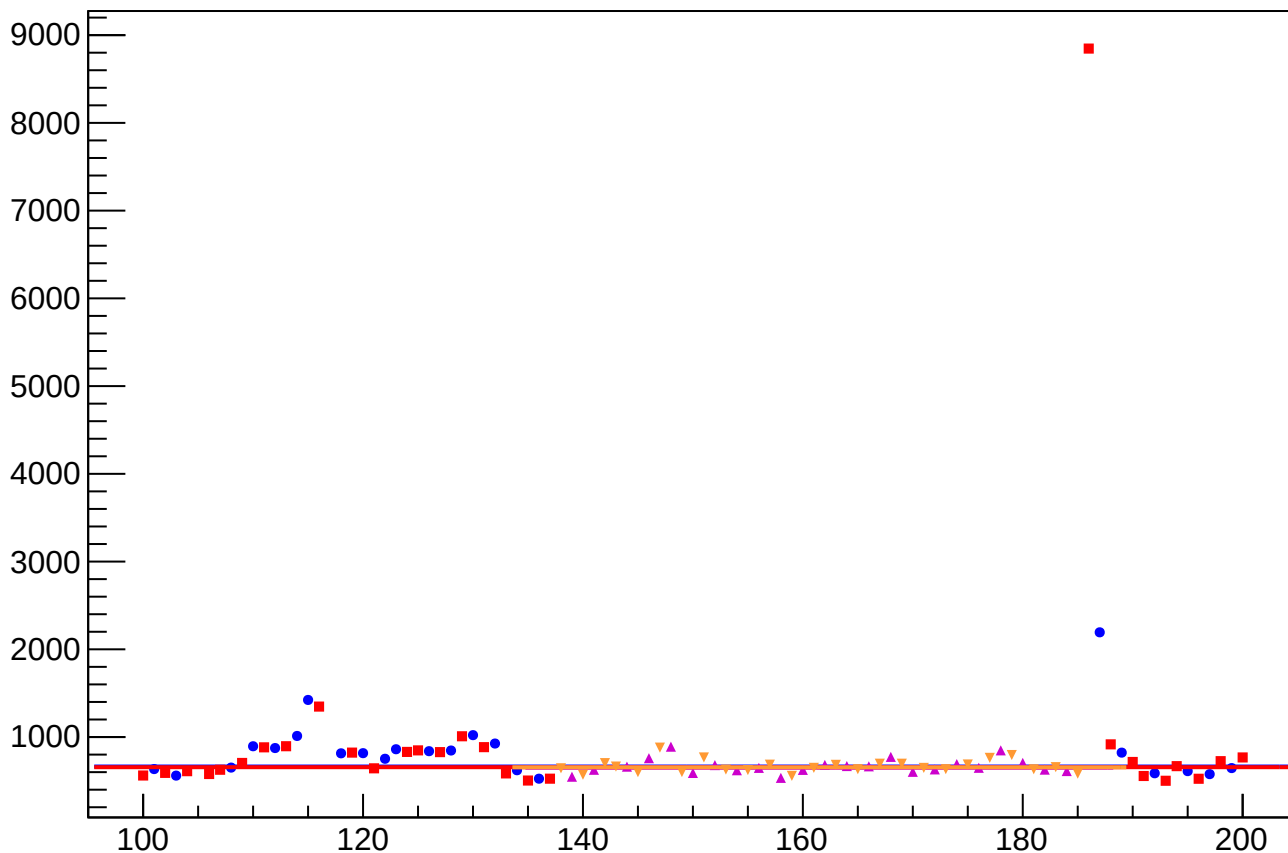
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 90.759 ± 124.060 χ^2/NDF : 36.7/47

All: 124.234 ± 86.674 χ^2/NDF : 100.1/98

- sign 156.153 ± 121.142 χ^2/NDF : 63.2/50

asym_sam_15_dd_correction_rms vs Slug



Right In: 664.053+/-0.149 χ^2/NDF : 952479.1/22

Left Out: 655.155+/-0.109 χ^2/NDF : 367349.8/24

Right Out: 656.404+/-0.134 χ^2/NDF : 1757190.2/27

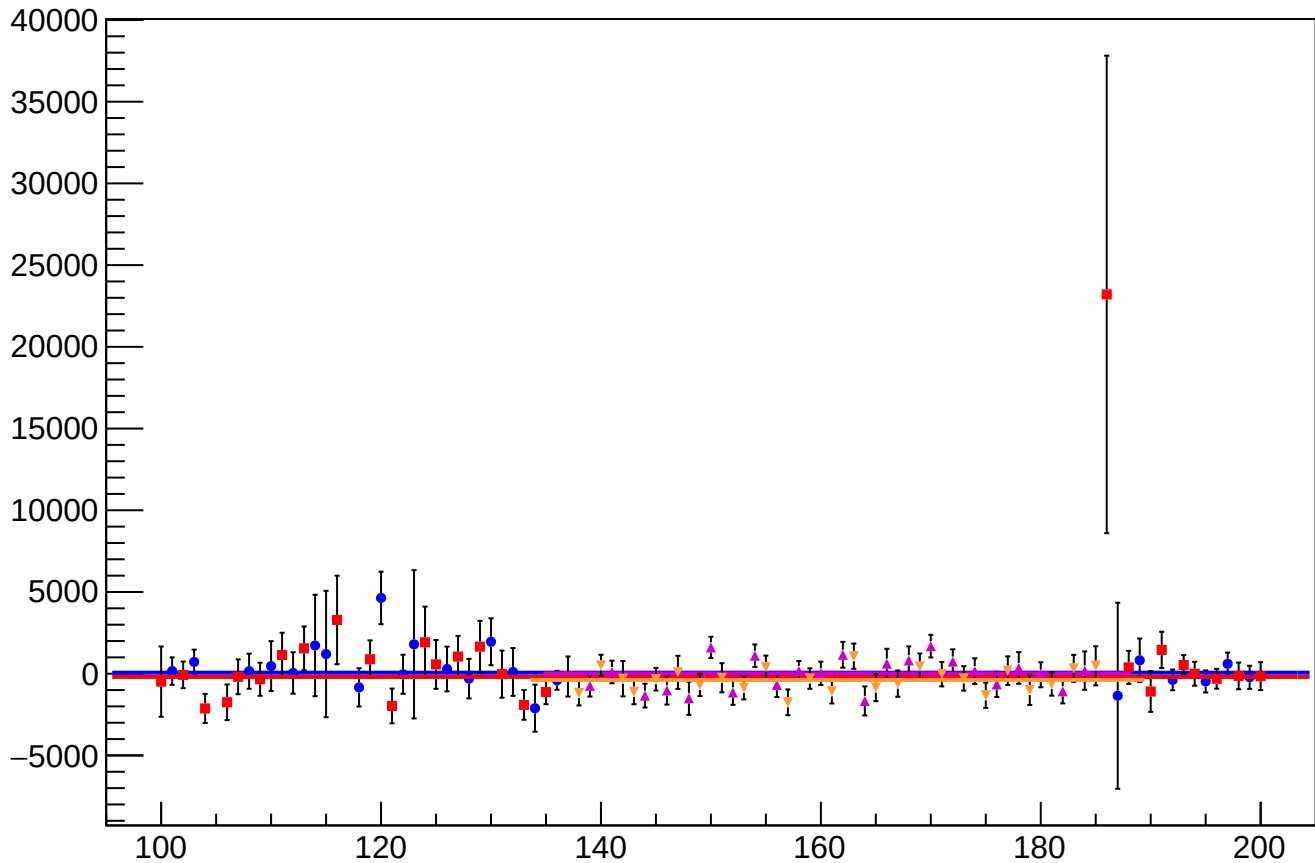
Left In: 650.883+/-0.111 χ^2/NDF : 466116.8/22

+ sign 658.255+/-0.088 χ^2/NDF : 1322164.4/47

All: 655.628+/-0.061 χ^2/NDF : 3548224.6/98

- sign 653.124+/-0.086 χ^2/NDF : 2224308.7/50

asym_sam_15_dd_mean vs Slug



Right In: 62.567 ± 212.370 χ^2/NDF : 17.1/22

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -197.615 ± 192.263 χ^2/NDF : 30.7/27

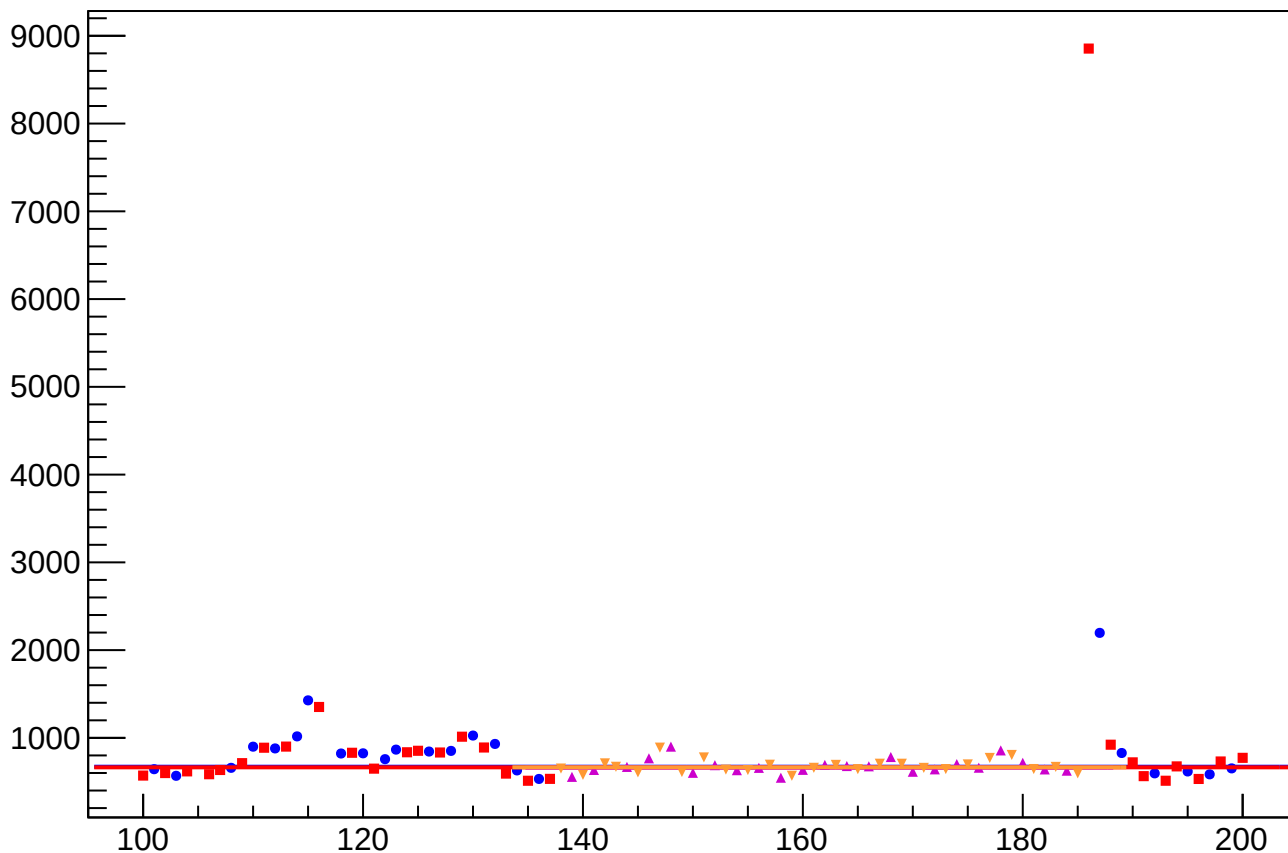
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -224.686 ± 125.669 χ^2/NDF : 38.8/47

All: -146.466 ± 87.816 χ^2/NDF : 108.1/98

- sign -71.821 ± 122.763 χ^2/NDF : 68.6/50

asym_sam_15_dd_rms vs Slug



Right In: 671.417 $\pm$ 0.150 χ^2 /NDF: 931064.2/22

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

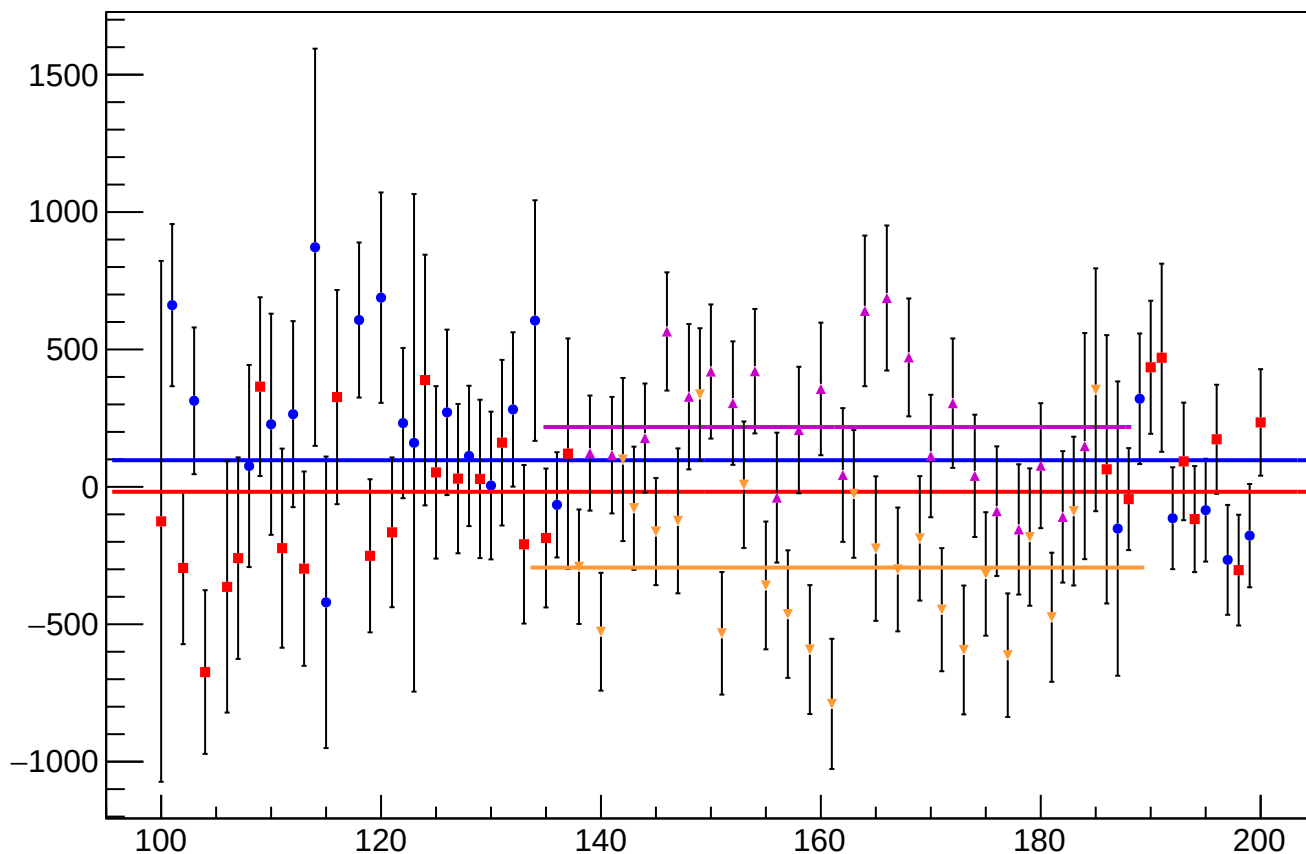
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 667.099 $\pm$ 0.089 χ^2 /NDF: 1289390.4/47

All: 664.635 $\pm$ 0.062 χ^2 /NDF: 3461000.3/98

- sign 662.283 $\pm$ 0.087 χ^2 /NDF: 2170106.5/50

reg_asym_sam_26_dd_mean vs Slug



Right In: 96.891 $\pm$ 57.274 χ^2 /NDF: 24.4/22

Left Out: -293.590 $\pm$ 47.203 χ^2 /NDF:30.3/24

Right Out: -17.901 $\pm$ 52.363 χ^2 /NDF: 24.0/27

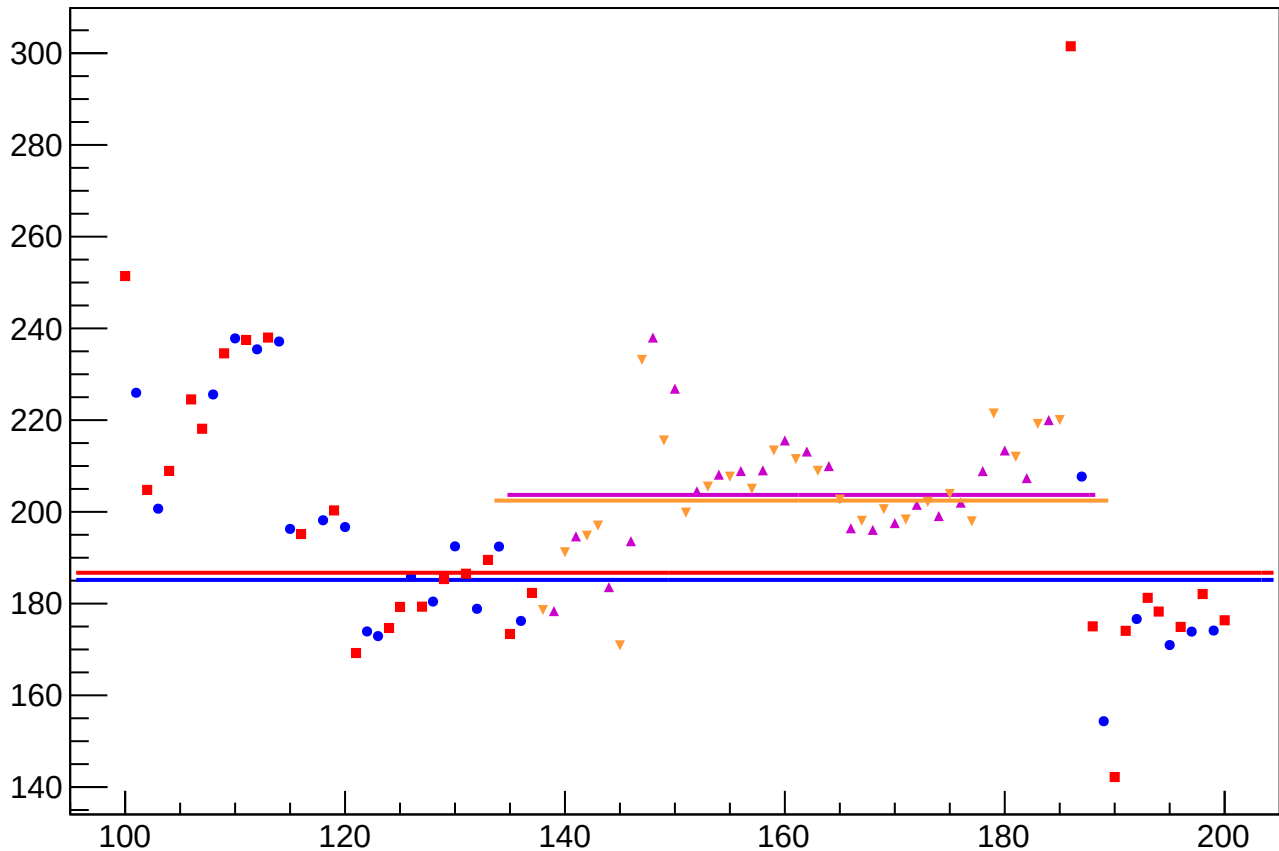
Left In: 217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

+ sign -135.643 $\pm$ 36.426 χ^2 /NDF: 82.4/47

All: -11.251 $\pm$ 25.499 χ^2 /NDF: 161.4/98

- sign 108.283 $\pm$ 35.707 χ^2 /NDF: 56.1/50

reg_asym_sam_26_dd_rms vs Slug



Right In: 185.166 $\pm$ 0.040 χ^2 /NDF: 242853.2/22

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

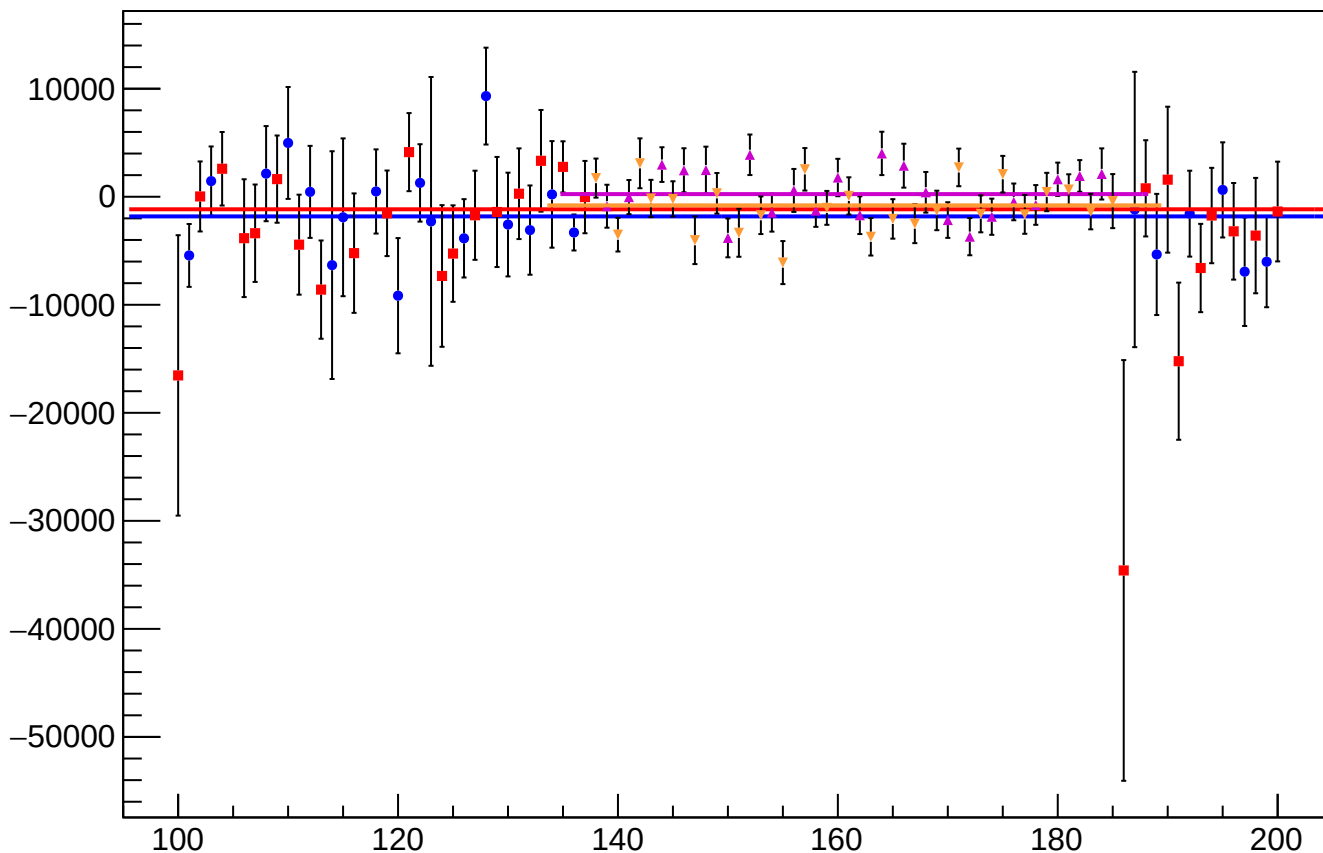
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 195.464 $\pm$ 0.026 χ^2 /NDF: 510014.5/47

All: 195.638 $\pm$ 0.018 χ^2 /NDF: 1172353.5/98

- sign 195.806 $\pm$ 0.025 χ^2 /NDF: 662248.7/50

asym_sam_26_dd_correction_mean vs Slug



Right In: -1818.405 ± 830.548 χ^2/NDF : 18.9/22

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1160.097 ± 822.773 χ^2/NDF : 24.5/27

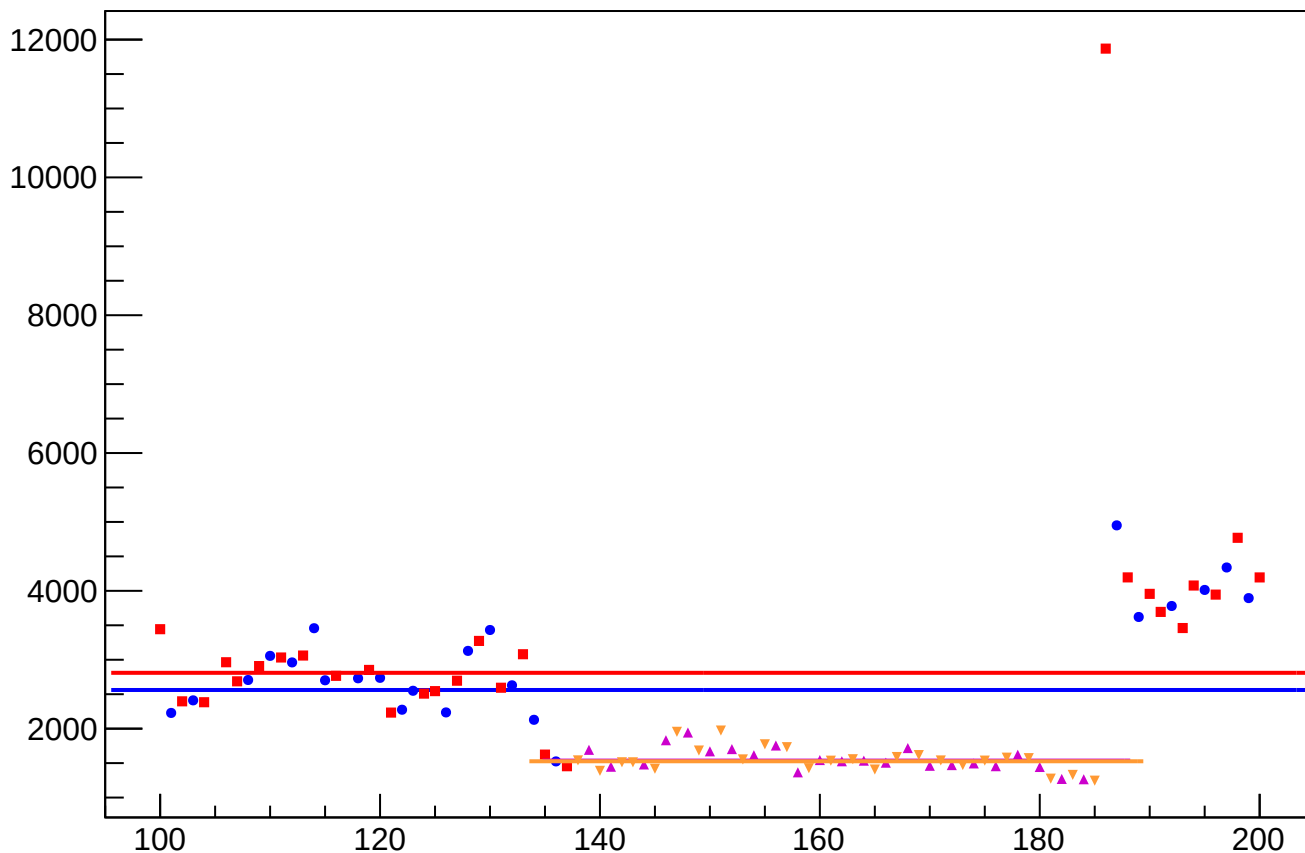
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -956.528 ± 328.644 χ^2/NDF : 55.9/47

All: -486.410 ± 235.398 χ^2/NDF : 122.7/98

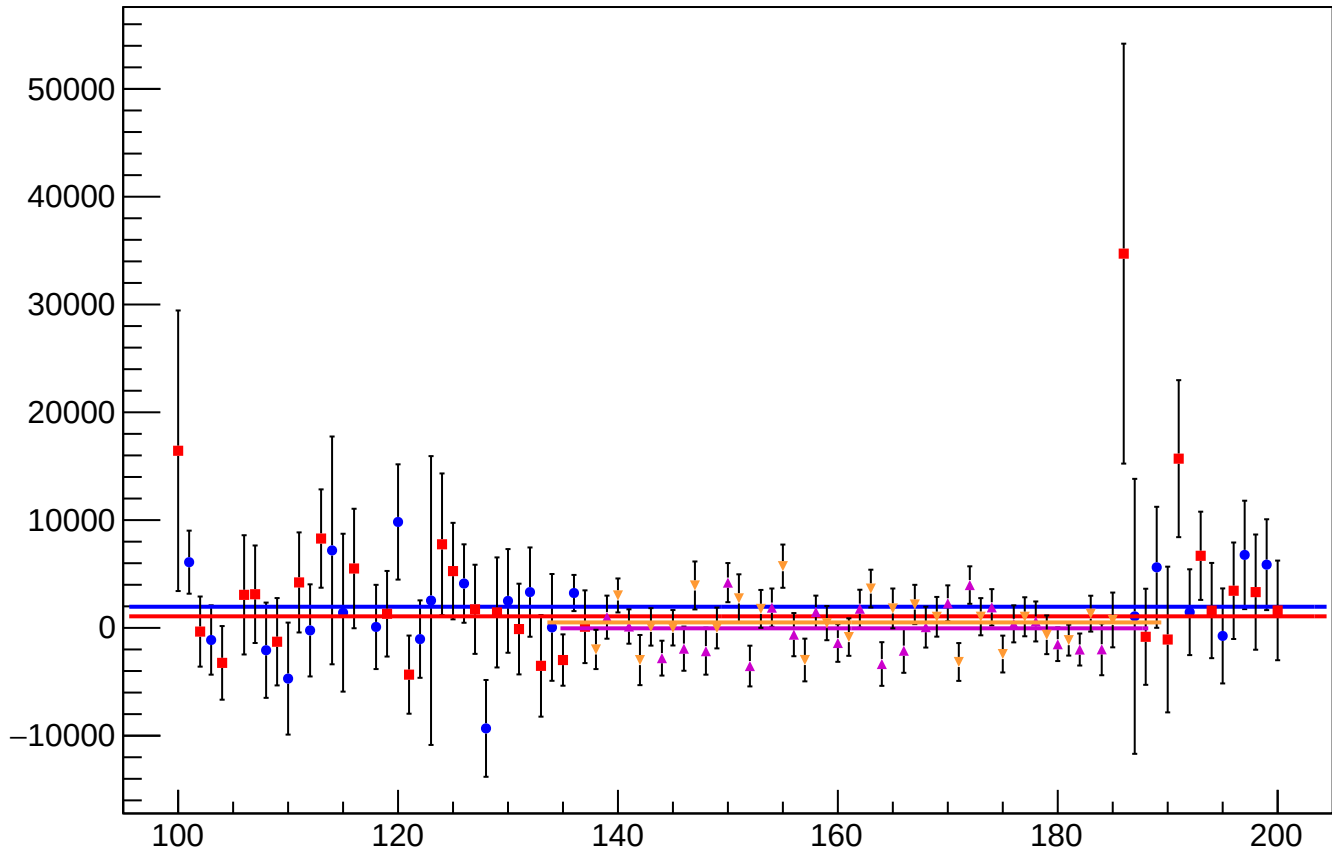
- sign 8.895 ± 337.332 χ^2/NDF : 62.6/50

asym_sam_26_dd_correction_rms vs Slug



Right In: 2561.190+/-0.587 χ^2/NDF : 2004860.5/22 + sign 1688.685+/-0.232 χ^2/NDF : 5016668.8/47
 Left Out: 1526.712+/-0.253 χ^2/NDF : 394892.7/24 All: 1718.863+/-0.166 χ^2/NDF : 11903329.2/50
 Right Out: 2810.342+/-0.582 χ^2/NDF : 2513712.1/27 - sign 1750.658+/-0.239 χ^2/NDF : 6852027.8/50
 Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22

asym_sam_26_dd_mean vs Slug



Right In: 1962.149 $\pm$ 833.726 χ^2 /NDF: 19.1/22

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 1072.840 $\pm$ 825.552 χ^2 /NDF: 25.3/27

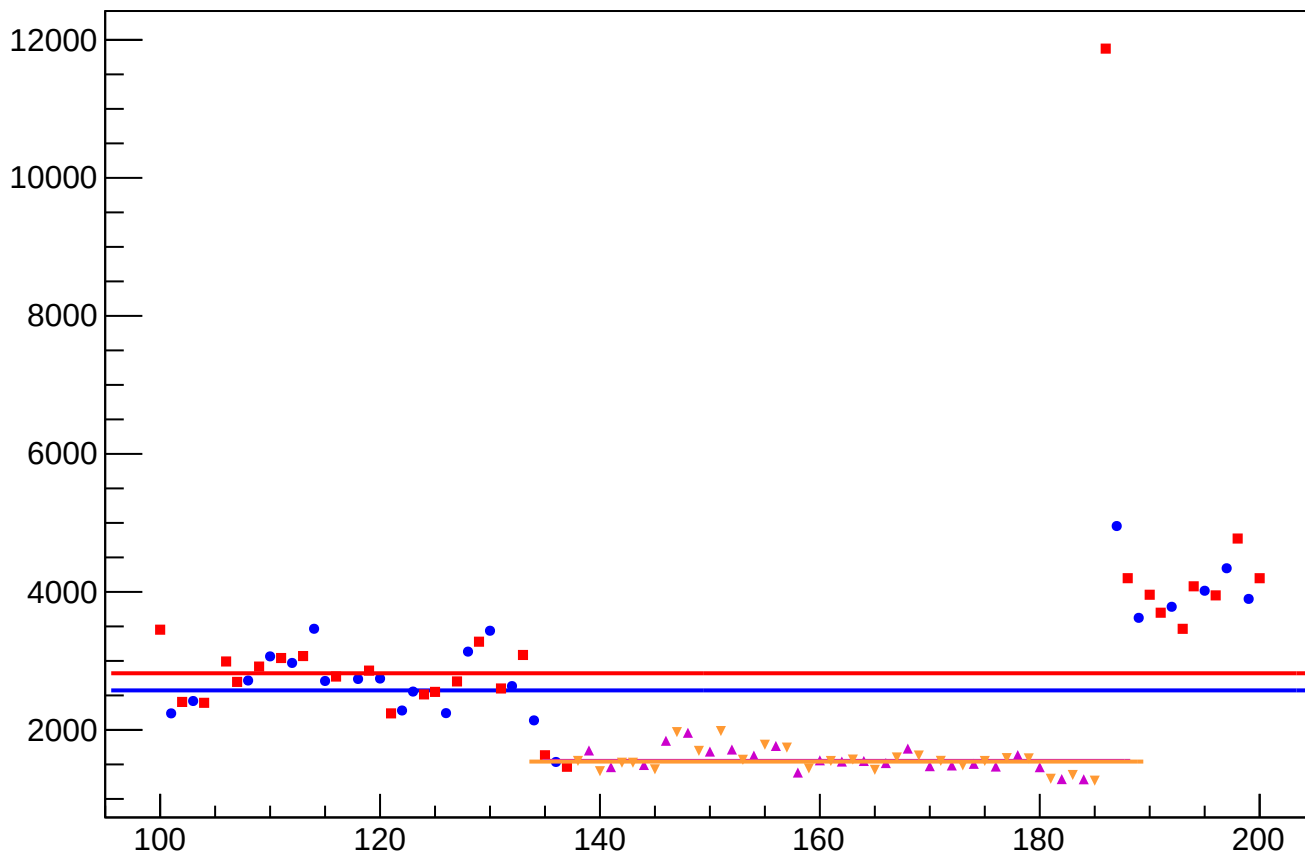
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 737.757 $\pm$ 331.412 χ^2 /NDF: 57.0/47

All: 450.916 $\pm$ 237.360 χ^2 /NDF: 119.0/98

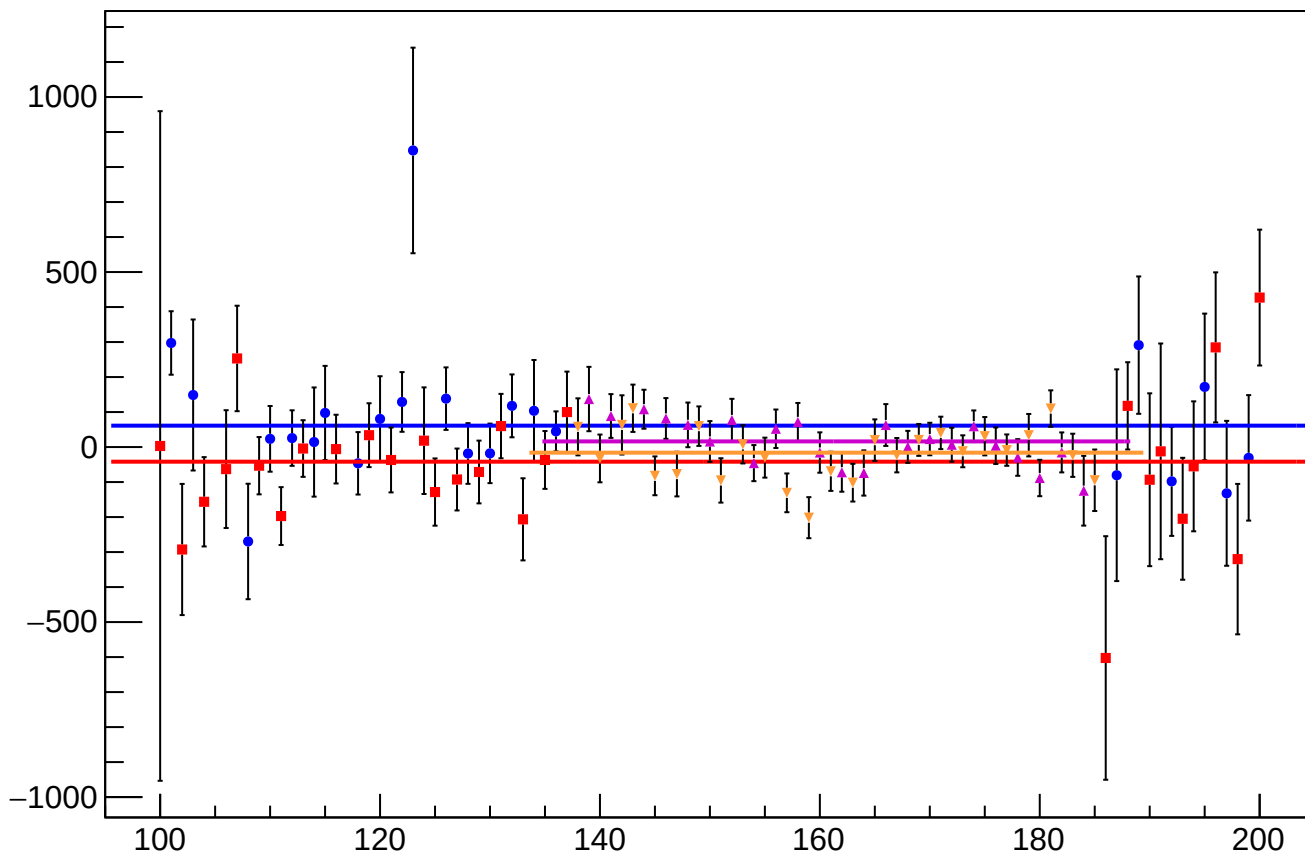
- sign 148.815 $\pm$ 340.113 χ^2 /NDF: 60.4/50

asym_sam_26_dd_rms vs Slug



Right In: 2572.806+/-0.590	χ^2/NDF : 1979395.9/22	+ sign 1704.255+/-0.234	χ^2/NDF : 4939353.4/47
Left Out: 1541.258+/-0.255	χ^2/NDF : 382045.4/24	All: 1734.621+/-0.168	χ^2/NDF : 11732150.9/9
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: 61.132 ± 22.812 χ^2/NDF : 27.8/22

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -41.792 ± 22.321 χ^2/NDF : 32.2/27

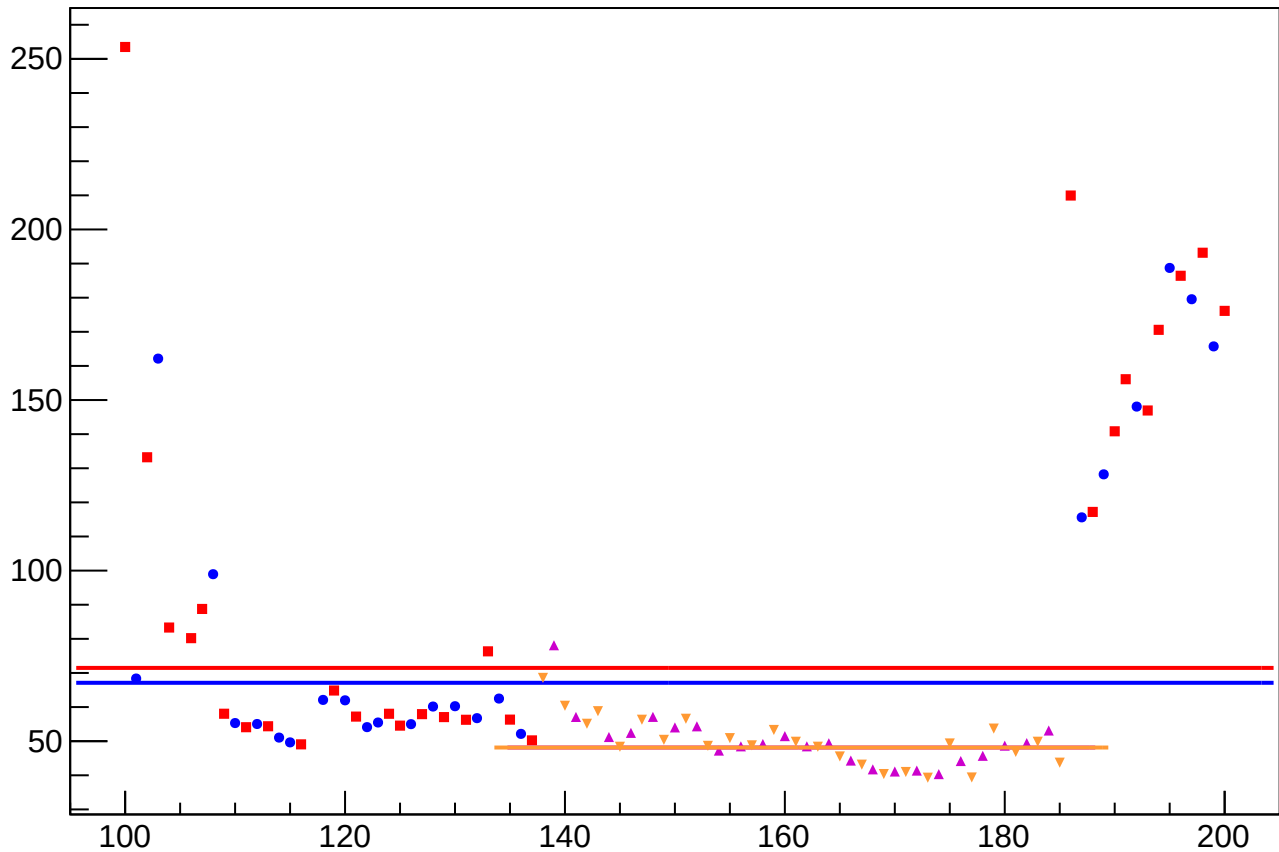
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -0.756 ± 10.154 χ^2/NDF : 76.7/47

All: 1.462 ± 7.241 χ^2/NDF : 139.5/98

- sign 3.755 ± 10.328 χ^2/NDF : 62.7/50

reg_asym_sam_37_dd_rms vs Slug



Right In: 67.115+/-0.016 χ^2/NDF : 3539617.8/22

Left Out: 48.141+/-0.008 χ^2/NDF : 655250.3/24

Right Out: 71.480+/-0.016 χ^2/NDF : 4740055.1/27

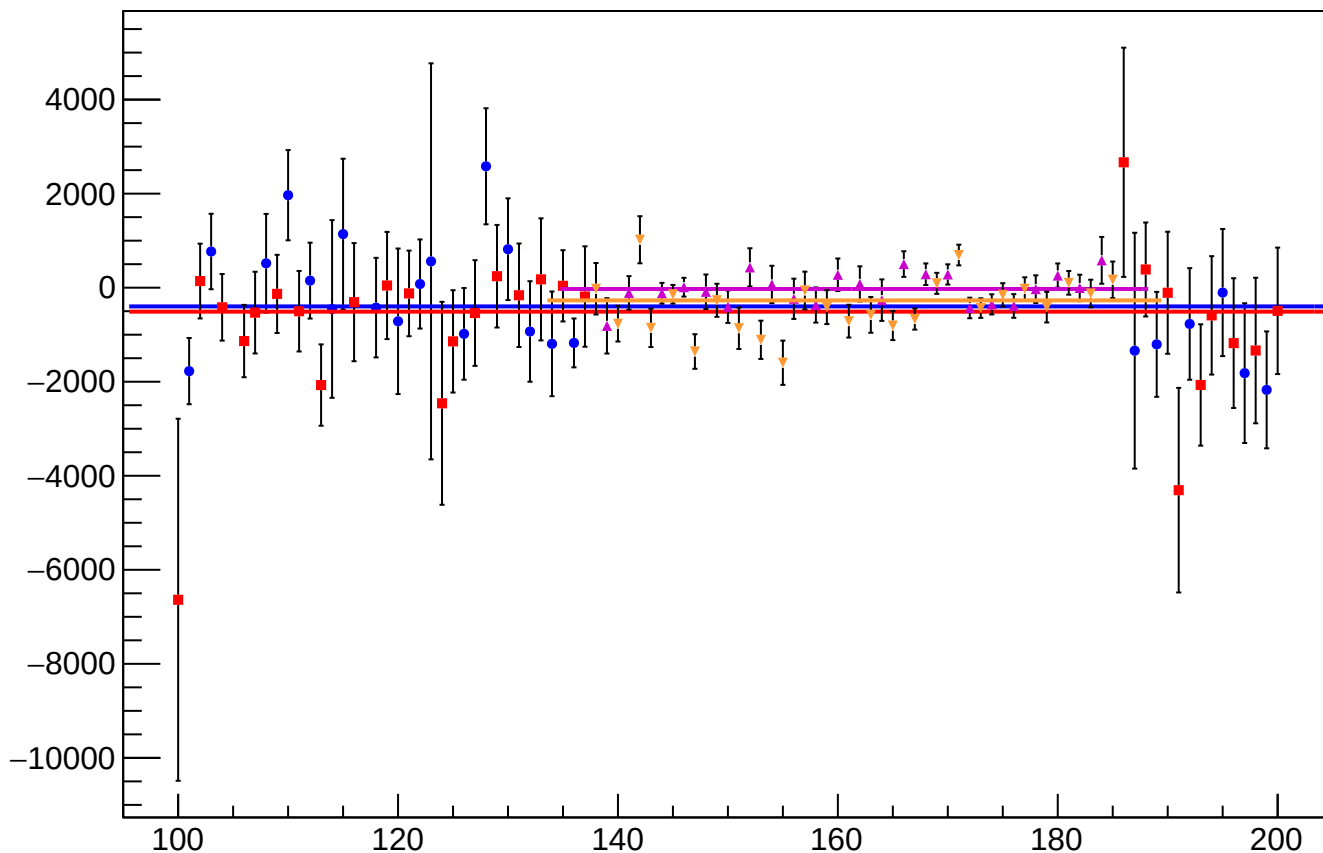
Left In: 48.139+/-0.008 χ^2/NDF : 575025.5/22

+ sign 51.900+/-0.007 χ^2/NDF : 5304356.0/47

All: 52.508+/-0.005 χ^2/NDF : 12352788.3/98

- sign 53.136+/-0.007 χ^2/NDF : 7033878.5/50

asym_sam_37_dd_correction_mean vs Slug



Right In: -398.223 ± 215.622 $\chi^2/\text{NDF}: 28.7/22$

Left Out: -270.214 ± 60.177 $\chi^2/\text{NDF}: 70.1/24$

Right Out: -509.629 ± 200.615 $\chi^2/\text{NDF}: 18.0/27$

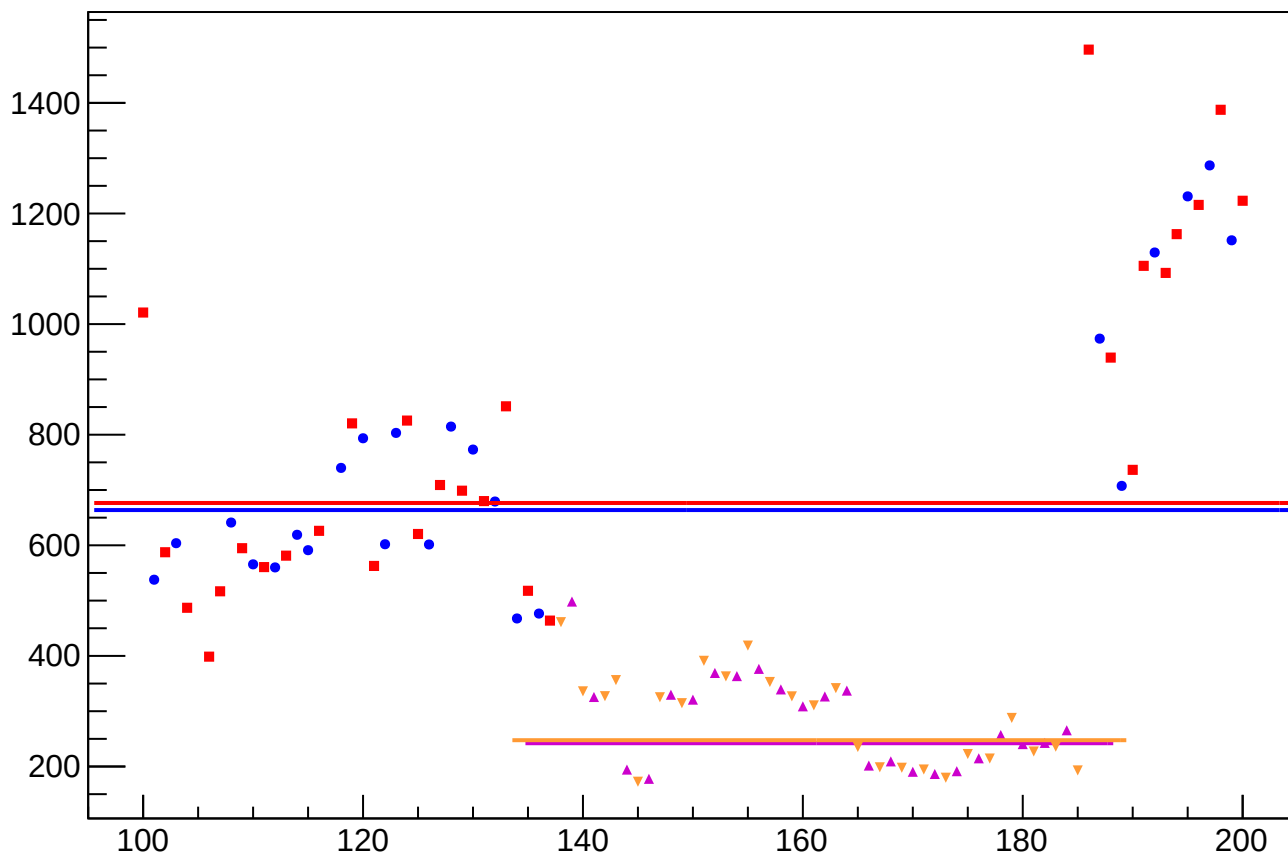
Left In: -27.271 ± 60.430 $\chi^2/\text{NDF}: 25.1/22$

+ sign -279.464 ± 57.962 $\chi^2/\text{NDF}: 99.1/47$

All: -173.247 ± 40.950 $\chi^2/\text{NDF}: 154.2/98$

- sign -67.398 ± 57.862 $\chi^2/\text{NDF}: 48.4/50$

asym_sam_37_dd_correction_rms vs Slug



Right In: 663.731 $\pm$ 0.152 χ^2 /NDF: 1903792.9/22

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 676.530 $\pm$ 0.142 χ^2 /NDF: 2890323.4/27

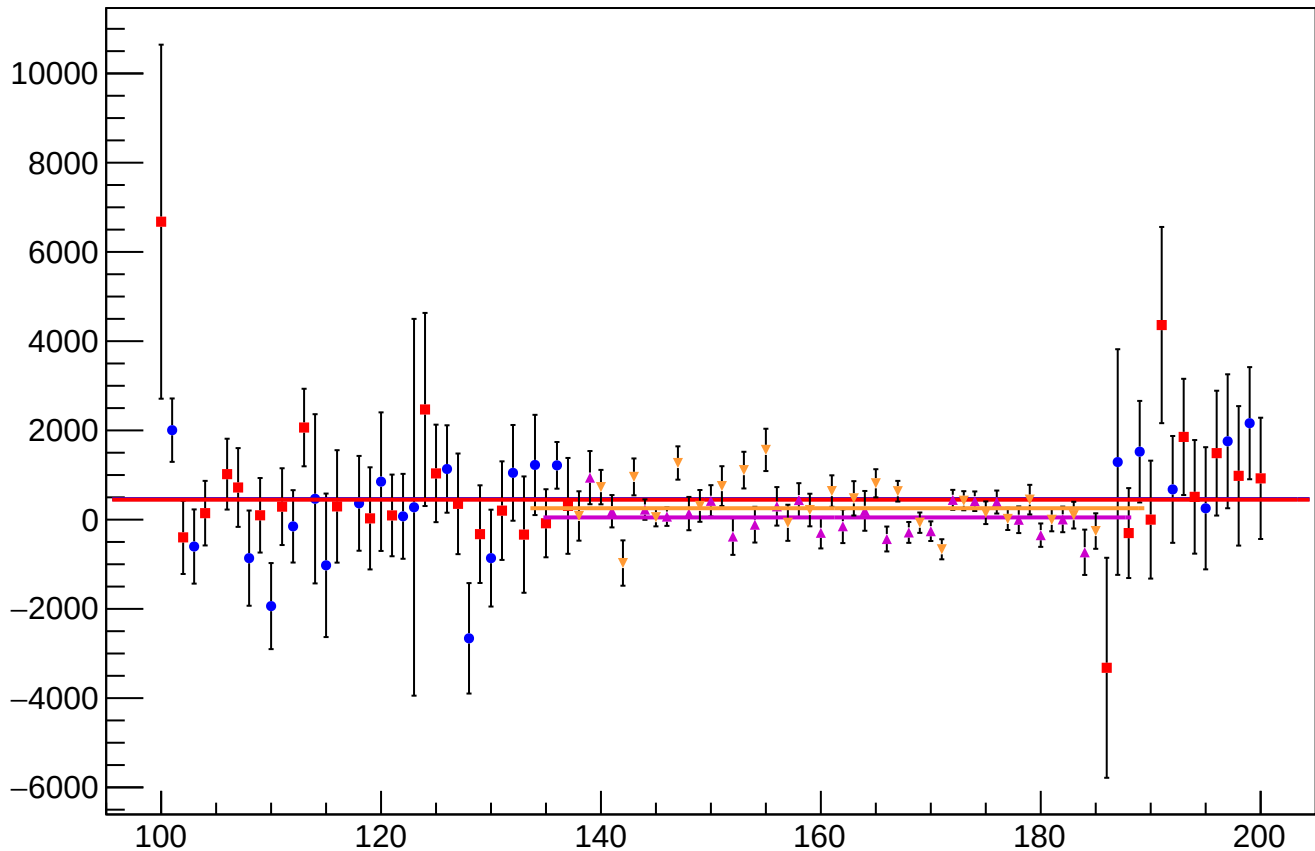
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 277.643 $\pm$ 0.041 χ^2 /NDF: 11596571.3/47

All: 277.949 $\pm$ 0.029 χ^2 /NDF: 25550925.8/98

- sign 278.255 $\pm$ 0.041 χ^2 /NDF: 13954242.9/50

asym_sam_37_dd_mean vs Slug



Right In: 460.301 $\pm$ 217.577 χ^2 /NDF: 30.5/22

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

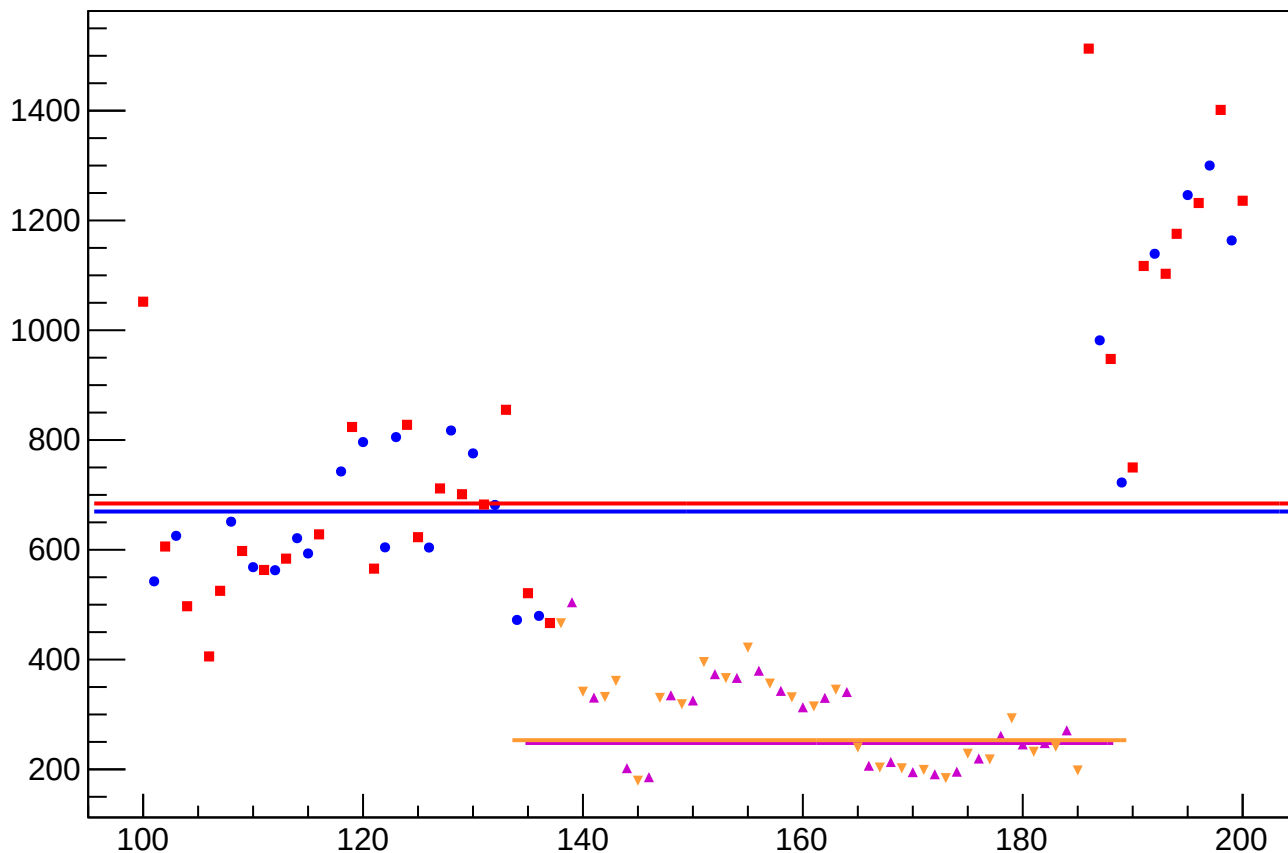
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF:27.5/22

+ sign 271.073 $\pm$ 59.109 χ^2 /NDF: 94.9/47

All: 177.325 $\pm$ 41.794 χ^2 /NDF: 150.0/98

- sign 83.596 $\pm$ 59.102 χ^2 /NDF: 50.0/50

asym_sam_37_dd_rms vs Slug



Right In: 669.738 $\pm$ 0.154 χ^2 /NDF: 1908720.1/22

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

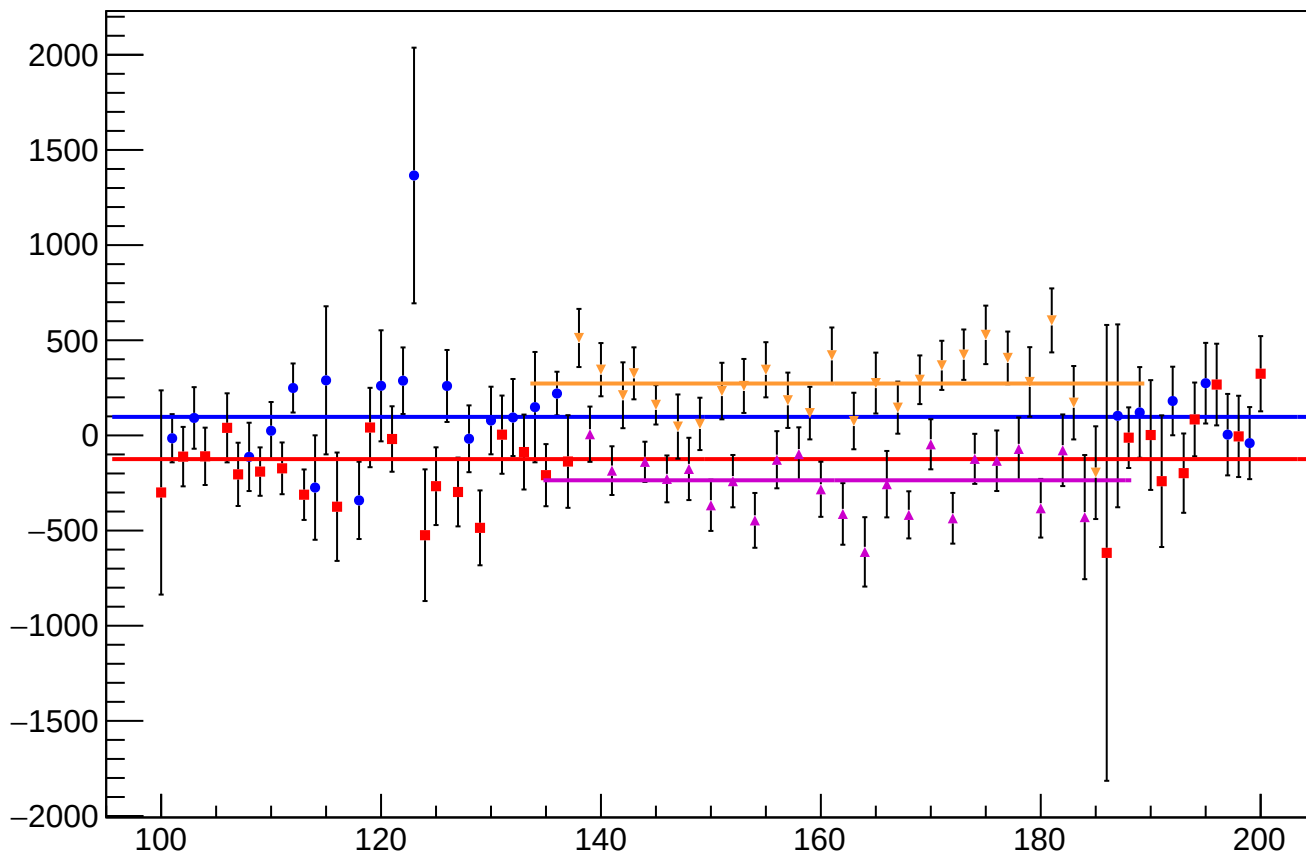
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 283.883 $\pm$ 0.042 χ^2 /NDF: 11365901.6/47

All: 284.484 $\pm$ 0.030 χ^2 /NDF: 25038772.5/98

- sign 285.085 $\pm$ 0.042 χ^2 /NDF: 13672457.5/50

reg_asym_sam_48_dd_mean vs Slug



Right In: 97.342 ± 39.051 χ^2/NDF : 19.6/22

Left Out: 272.684 ± 29.221 χ^2/NDF : 27.4/24

Right Out: -124.491 ± 36.060 χ^2/NDF : 23.2/27

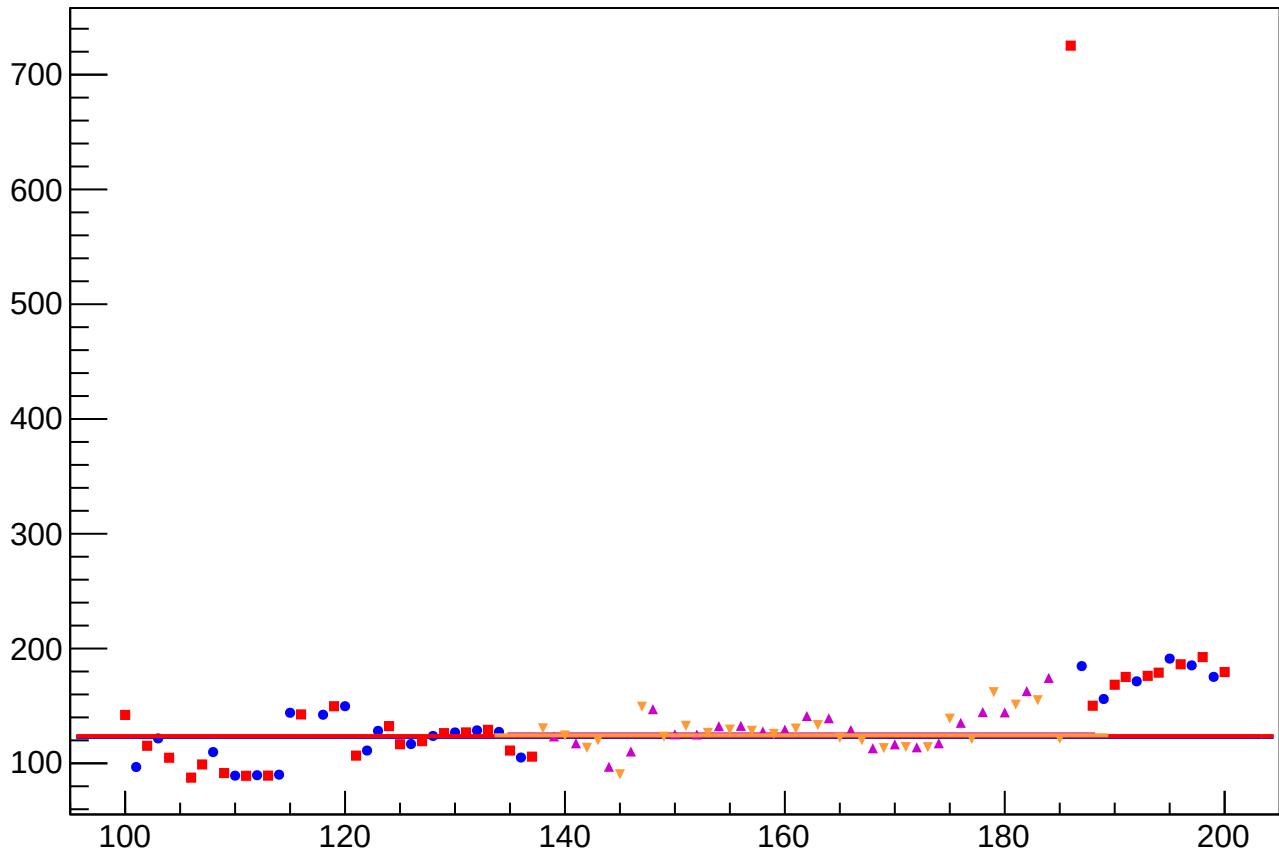
Left In: -235.801 ± 30.232 χ^2/NDF : 24.6/22

+ sign 209.747 ± 23.396 χ^2/NDF : 59.9/47

All: 7.977 ± 16.462 χ^2/NDF : 260.6/98

- sign -189.858 ± 23.167 χ^2/NDF : 53.4/50

reg_asym_sam_48_dd_rms vs Slug



Right In: 123.020+/-0.028 χ^2/NDF : 1209588.6/22

Left Out: 124.429+/-0.021 χ^2/NDF : 539731.8/24

Right Out: 123.739+/-0.025 χ^2/NDF : 2124948.6/27

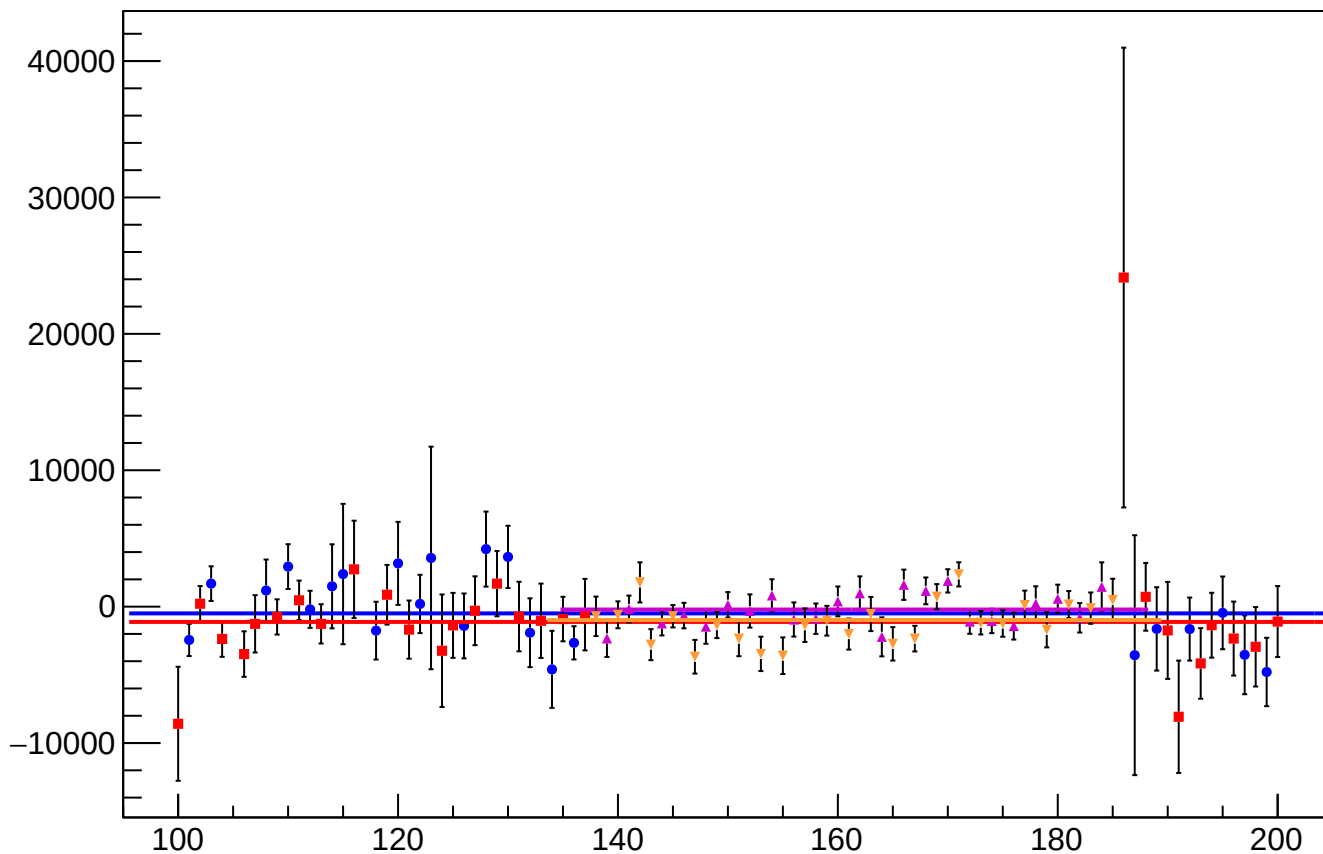
Left In: 125.205+/-0.021 χ^2/NDF : 501388.2/22

+ sign 123.923+/-0.017 χ^2/NDF : 1750989.5/47

All: 124.265+/-0.012 χ^2/NDF : 4380113.2/98

- sign 124.600+/-0.016 χ^2/NDF : 2628278.3/50

asym_sam_48_dd_correction_mean vs Slug



Right In: -494.618 ± 432.861 χ^2/NDF : 30.0/22

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1119.648 ± 398.515 χ^2/NDF : 20.0/27

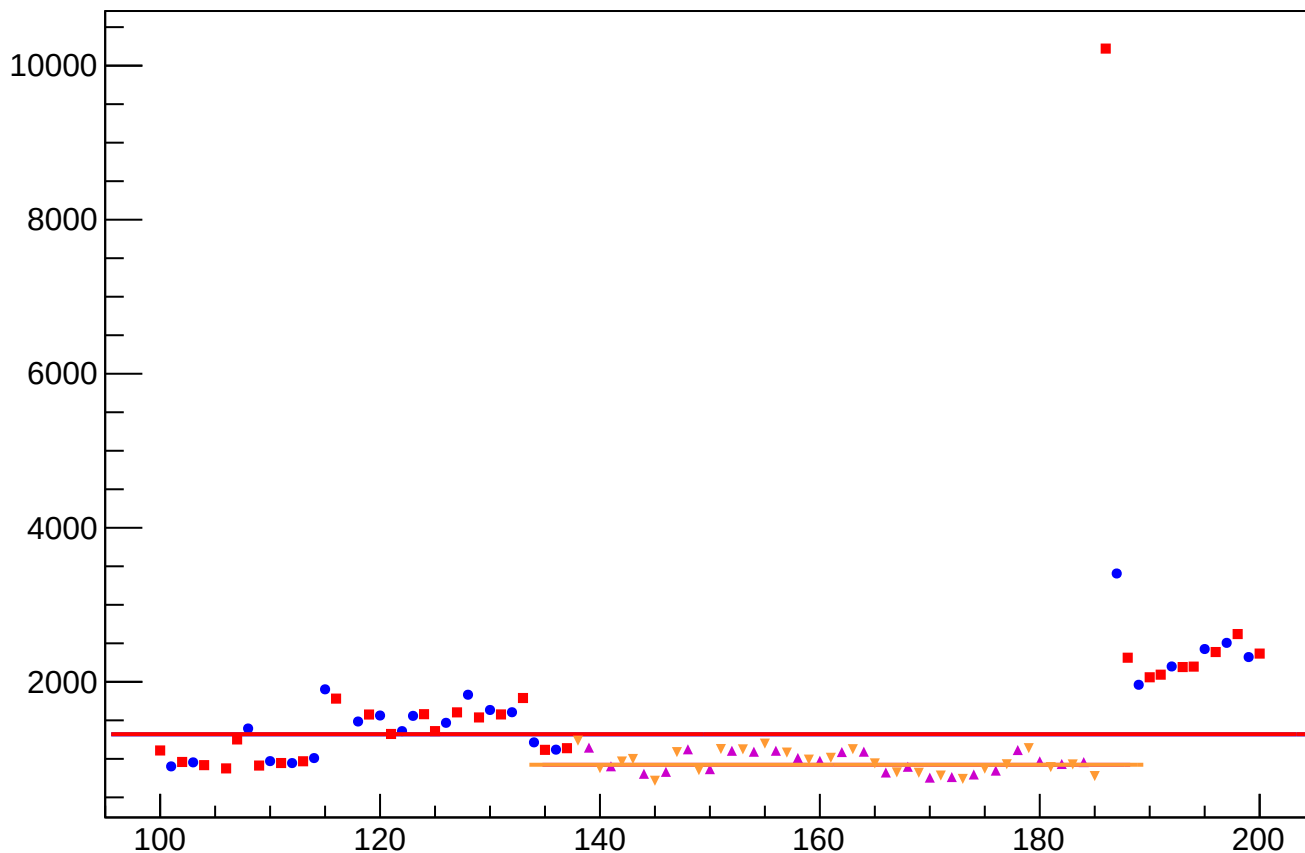
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -884.046 ± 194.717 χ^2/NDF : 78.2/47

All: -656.338 ± 137.715 χ^2/NDF : 130.6/98

- sign -428.434 ± 194.801 χ^2/NDF : 49.6/50

asym_sam_48_dd_correction_rms vs Slug



Right In: 1317.821+/-0.306 χ^2/NDF : 2423766.3/22

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

+ sign 1003.361+/-0.138 χ^2/NDF : 4589809.8/47

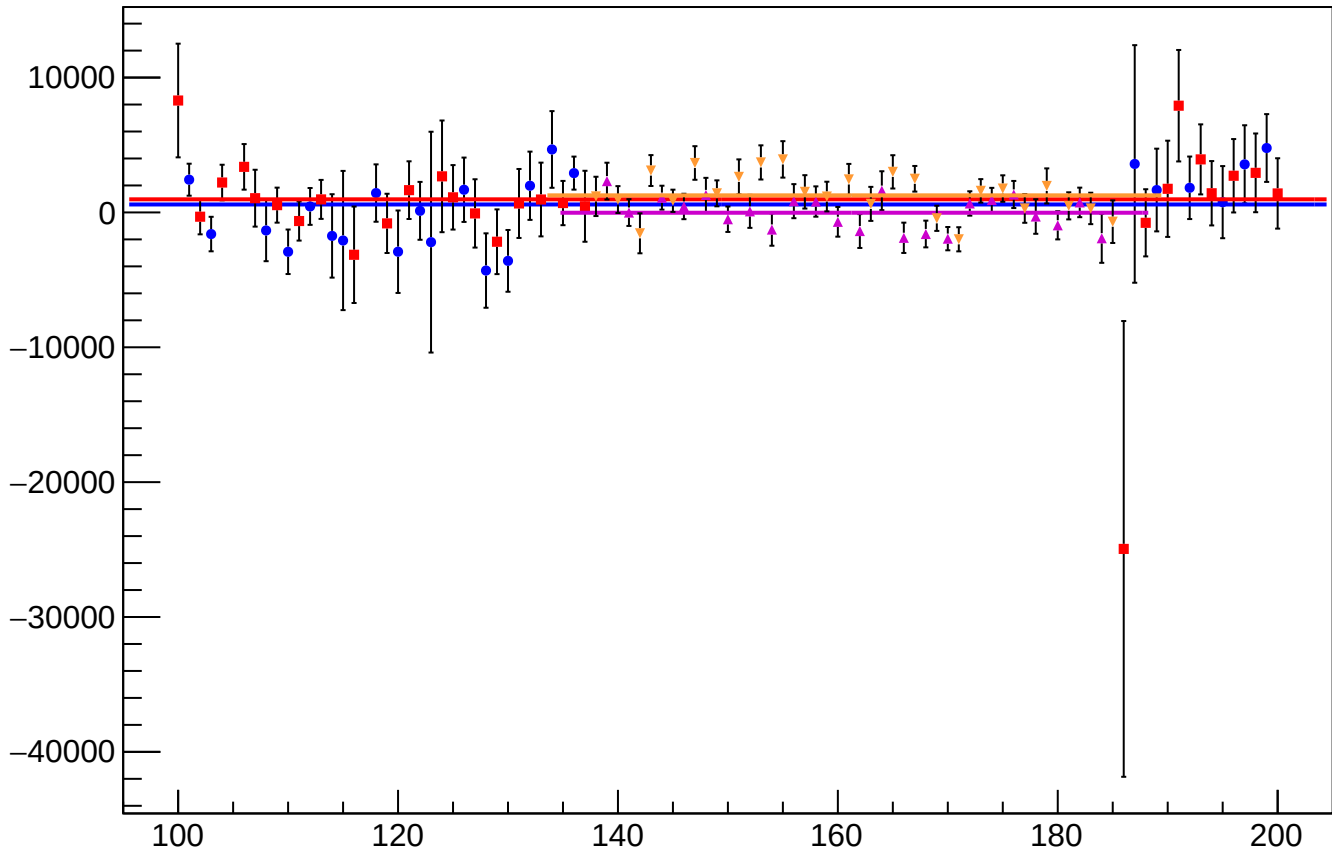
Right Out: 1320.461+/-0.282 χ^2/NDF : 3740806.8/27

All: 1010.375+/-0.097 χ^2/NDF : 10490354.6/9

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: 589.872 ± 434.878 χ^2/NDF : 30.1/22

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 972.232 ± 400.541 χ^2/NDF : 20.4/27

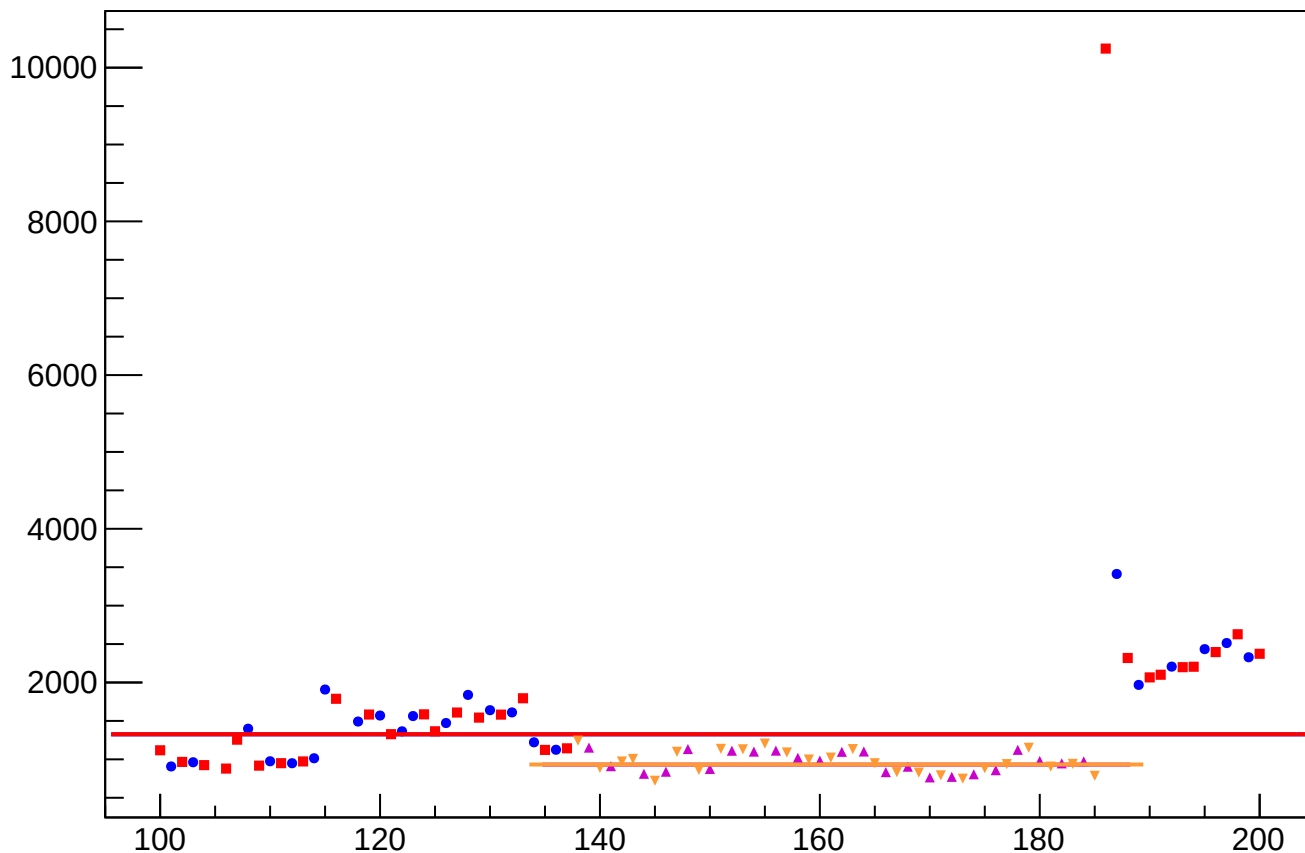
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1129.160 ± 196.404 χ^2/NDF : 76.9/47

All: 672.860 ± 138.910 χ^2/NDF : 140.0/98

- sign 216.148 ± 196.493 χ^2/NDF : 52.3/50

asym_sam_48_dd_rms vs Slug



Right In: 1324.486 $\pm$ 0.308 χ^2 /NDF: 2410326.1/22

Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24

Right Out: 1327.512 $\pm$ 0.283 χ^2 /NDF: 3722156.5/27

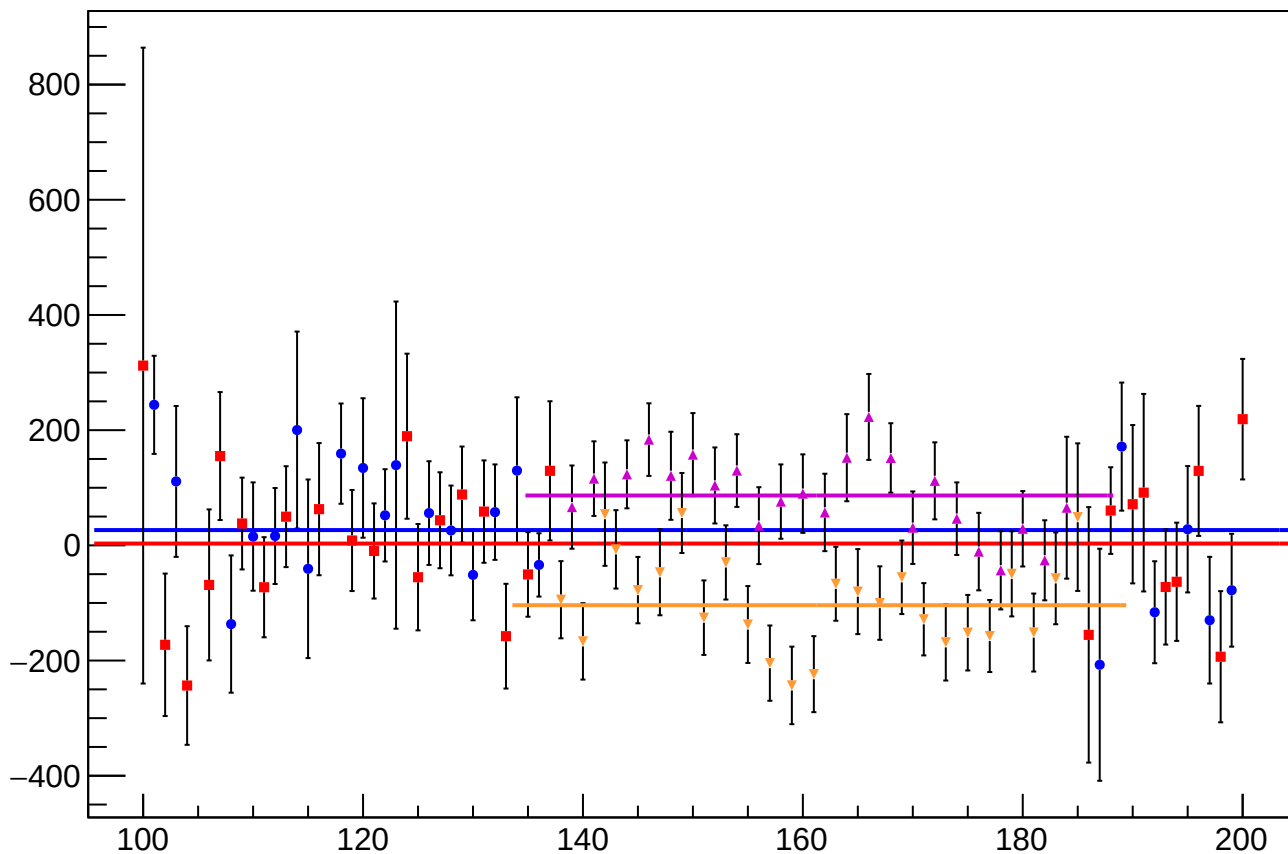
Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

+ sign 1012.663 $\pm$ 0.139 χ^2 /NDF: 4531876.3/47

All: 1019.727 $\pm$ 0.098 χ^2 /NDF: 10368241.3/50

- sign 1026.798 $\pm$ 0.139 χ^2 /NDF: 5831188.1/50

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 26.540 $\pm$ 20.168 χ^2 /NDF: 25.3/22

Left Out: -103.899 $\pm$ 13.642 χ^2 /NDF:30.0/24

Right Out: 3.117 $\pm$ 19.048 χ^2 /NDF: 31.4/27

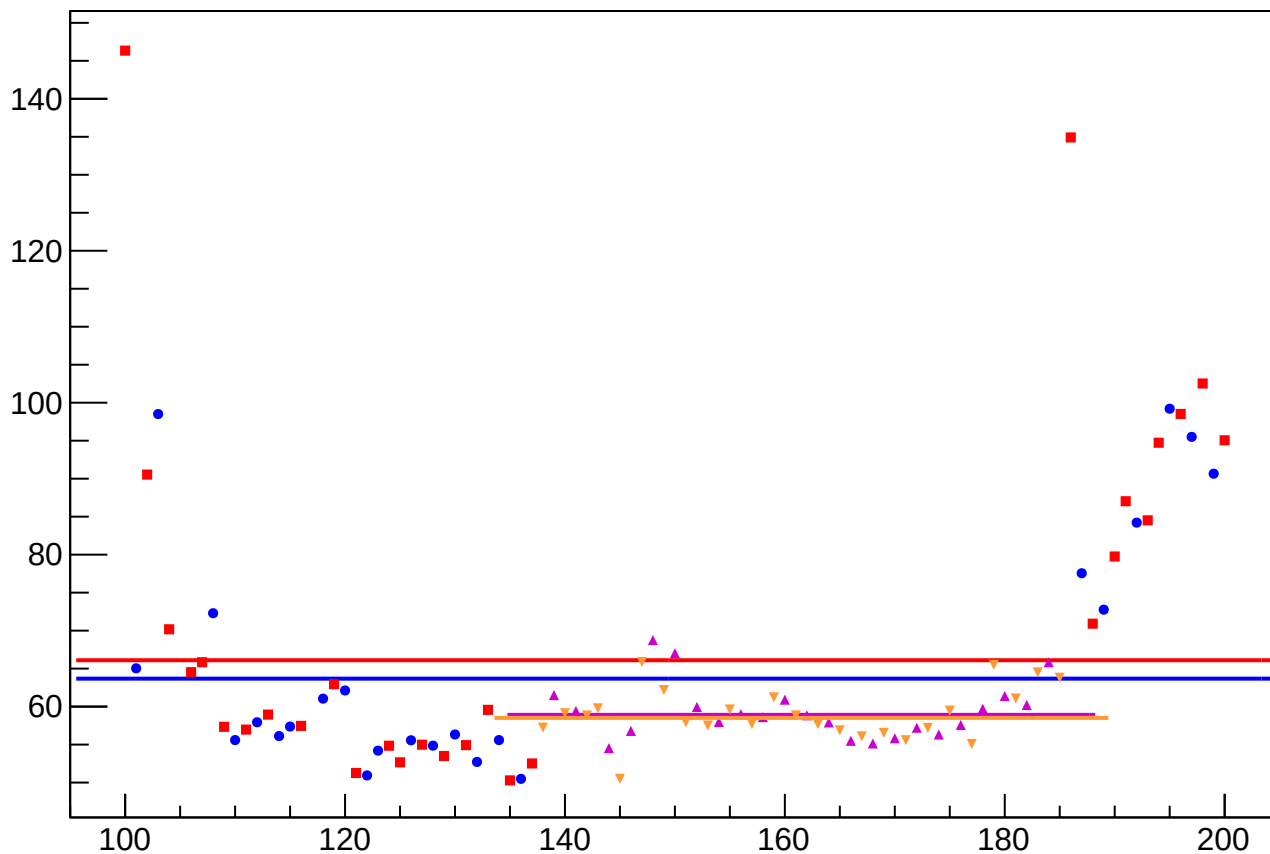
Left In: 86.542 $\pm$ 14.120 χ^2 /NDF:21.4/22

+ sign -62.952 $\pm$ 11.300 χ^2 /NDF: 84.0/47

All: -3.228 $\pm$ 8.006 χ^2 /NDF: 205.2/98

- sign 56.957 $\pm$ 11.343 χ^2 /NDF: 65.1/50

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 63.679+/-0.014 χ^2/NDF : 1115627.8/22

Left Out: 58.513+/-0.010 χ^2/NDF :123221.6/24

Right Out: 66.103+/-0.013 χ^2/NDF : 1554290.9/27

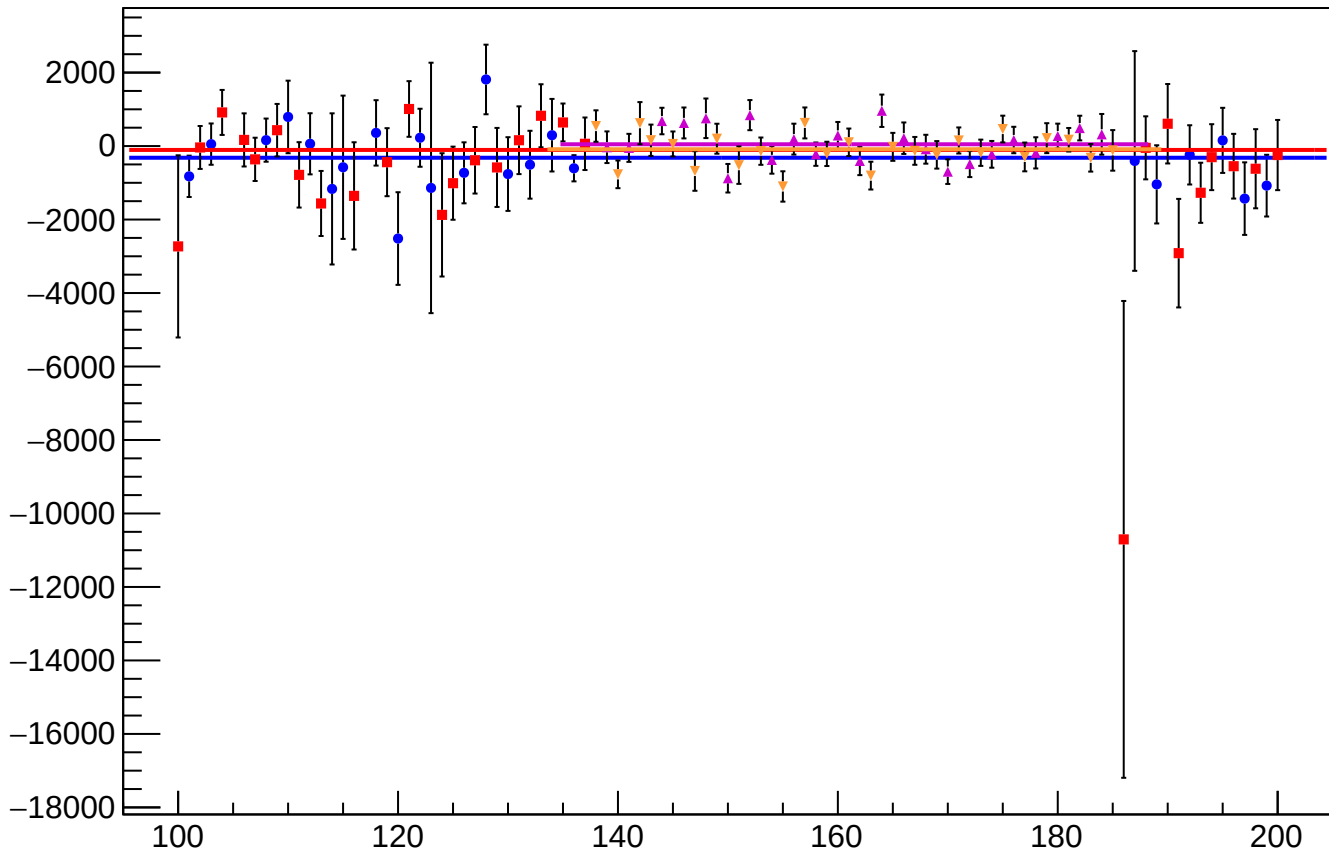
Left In: 58.913+/-0.010 χ^2/NDF :109968.0/22

+ sign 60.135+/-0.008 χ^2/NDF : 1328875.5/47

All: 60.796+/-0.006 χ^2/NDF : 3190808.7/98

- sign 61.463+/-0.008 χ^2/NDF : 1848162.5/50

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -318.038 ± 167.468 χ^2/NDF : 17.1/22

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -105.635 ± 160.498 χ^2/NDF : 26.1/27

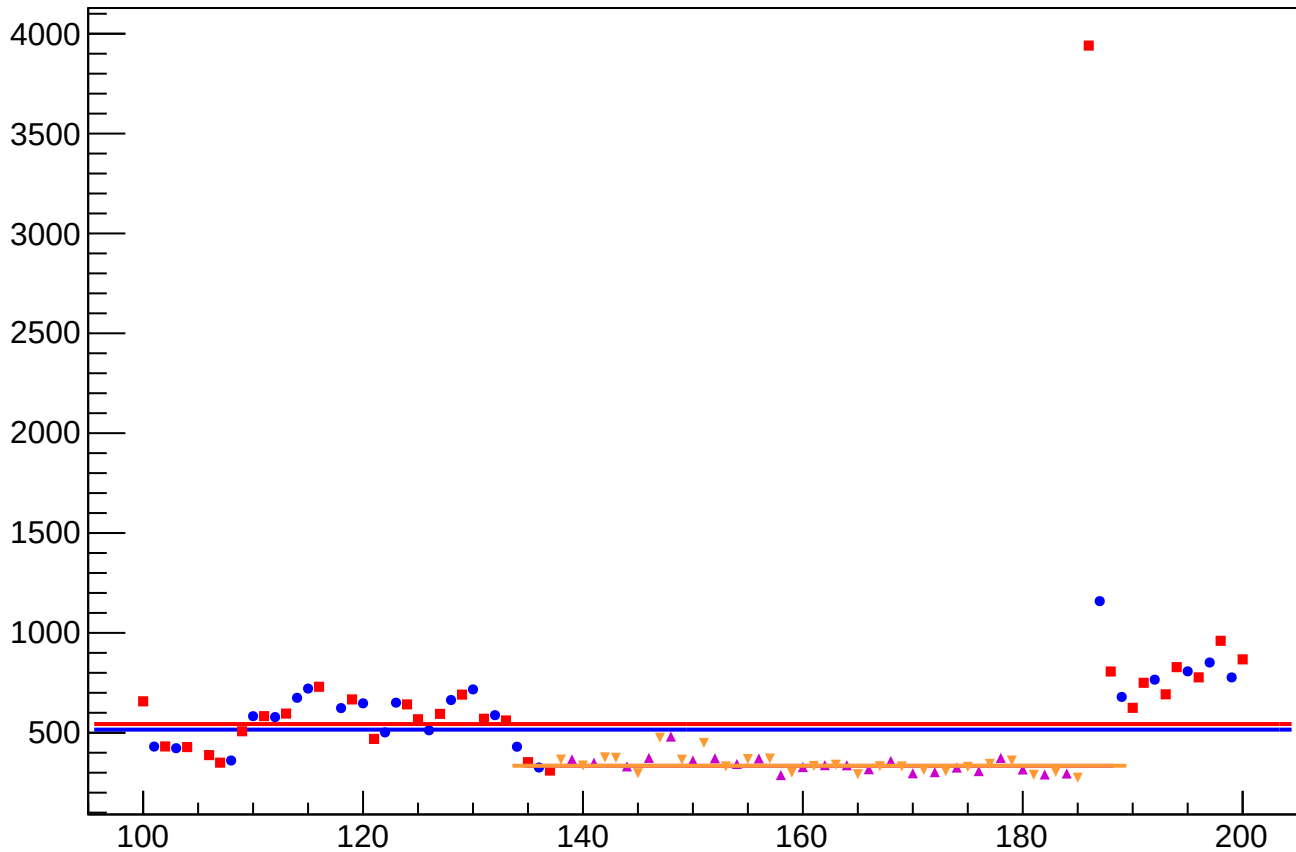
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -129.045 ± 71.121 χ^2/NDF : 46.4/47

All: -56.573 ± 50.595 χ^2/NDF : 110.7/98

- sign 17.682 ± 71.990 χ^2/NDF : 62.1/50

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 515.645 $\pm$ 0.118 χ^2 /NDF: 2047890.9/22

Left Out: 334.749 $\pm$ 0.056 χ^2 /NDF: 491370.4/24

Right Out: 543.567 $\pm$ 0.113 χ^2 /NDF: 2826833.2/27

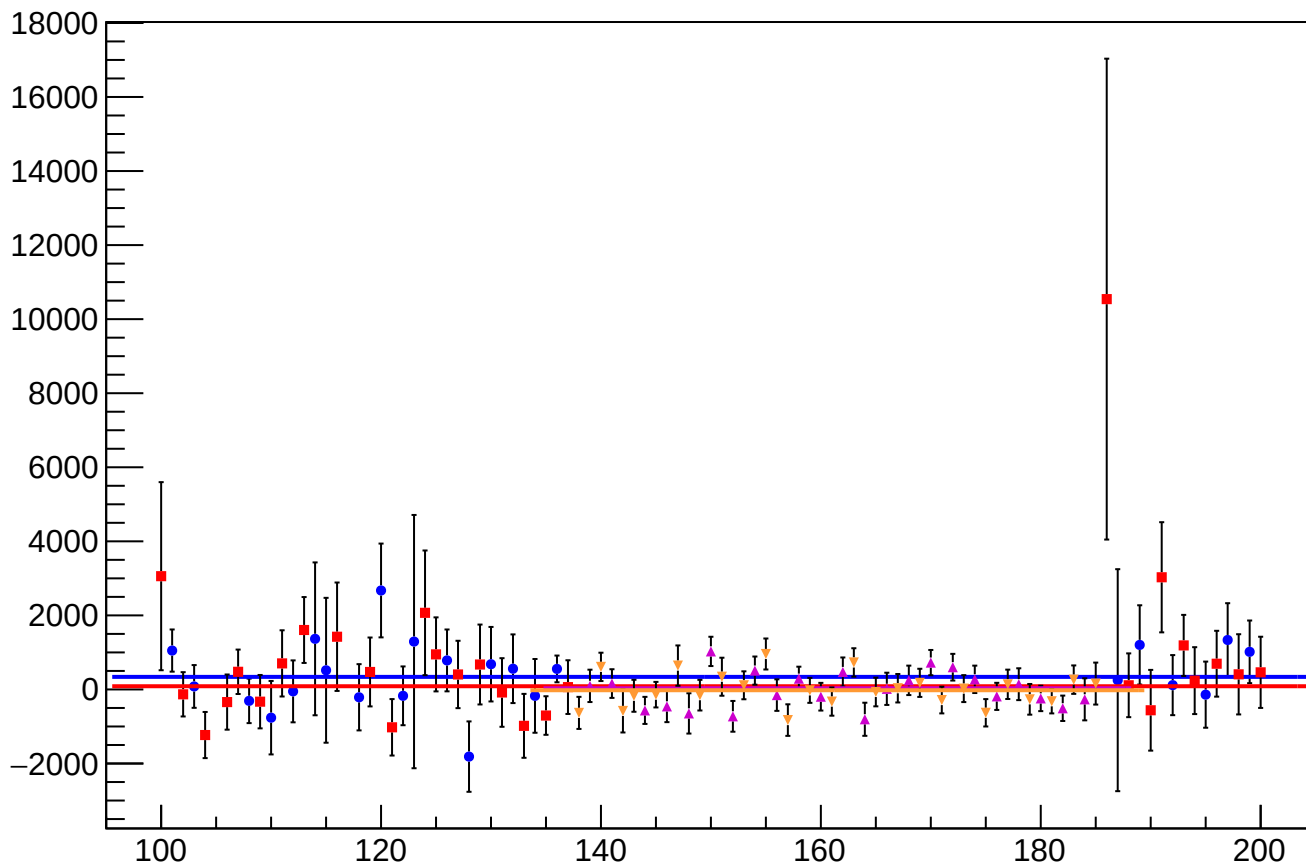
Left In: 334.147 $\pm$ 0.057 χ^2 /NDF: 397200.6/22

+ sign 367.374 $\pm$ 0.050 χ^2 /NDF: 4451982.7/47

All: 371.773 $\pm$ 0.036 χ^2 /NDF: 10411534.6/98

- sign 376.280 $\pm$ 0.051 χ^2 /NDF: 5944060.2/50

asym_sam_13_57_dd_mean vs Slug



Right In: 339.627 ± 169.296 χ^2/NDF : 17.8/22

Left Out: -20.895 ± 79.812 χ^2/NDF : 27.2/24

Right Out: 86.751 ± 162.280 χ^2/NDF : 29.4/27

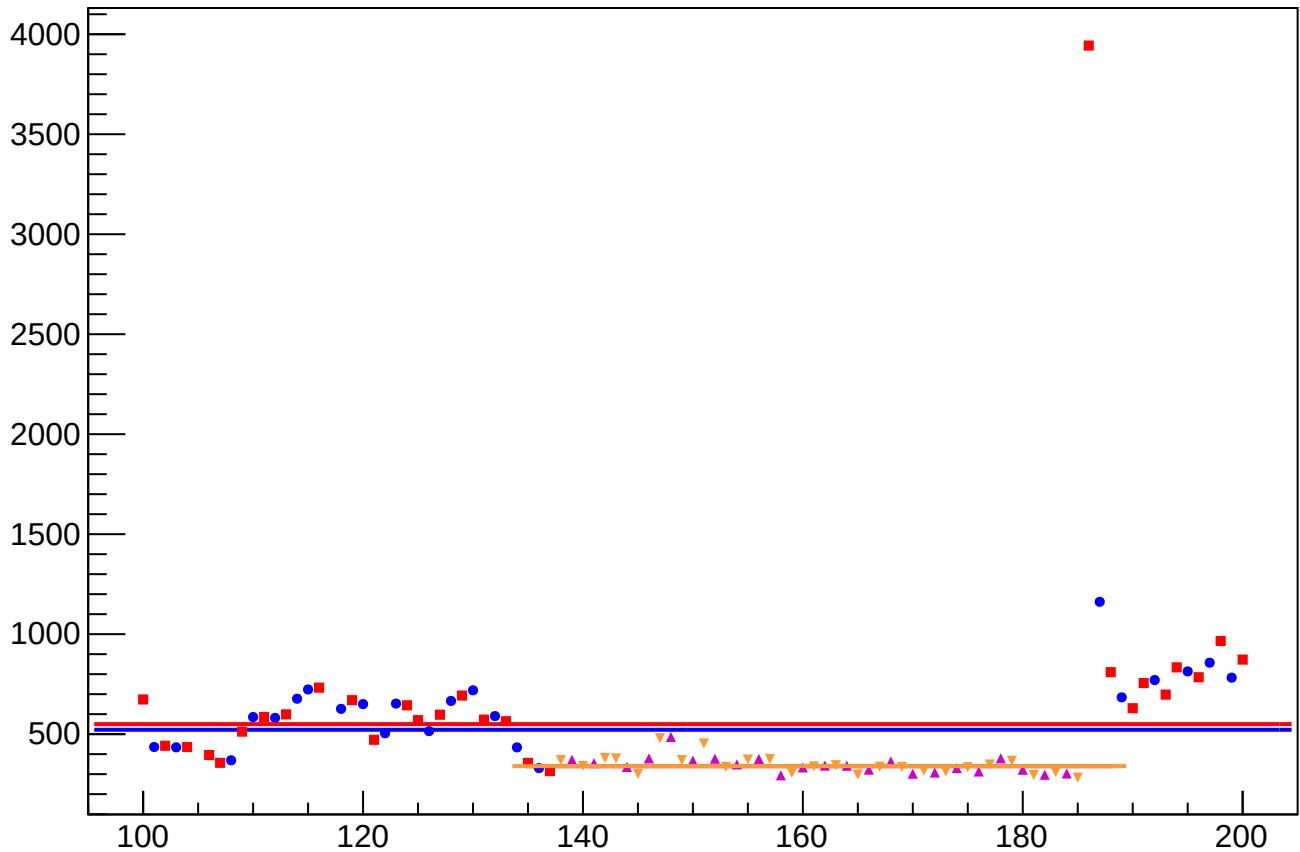
Left In: 31.800 ± 81.839 χ^2/NDF : 34.0/22

+ sign 44.661 ± 72.192 χ^2/NDF : 48.7/47

All: 43.812 ± 51.356 χ^2/NDF : 112.2/98

- sign 42.942 ± 73.073 χ^2/NDF : 63.5/50

asym_sam_13_57_dd_rms vs Slug



Right In: 522.035+/-0.120 χ^2/NDF : 1995245.8/22

Left Out: 340.238+/-0.056 χ^2/NDF : 468863.6/24

Right Out: 550.233+/-0.115 χ^2/NDF : 2766528.7/27

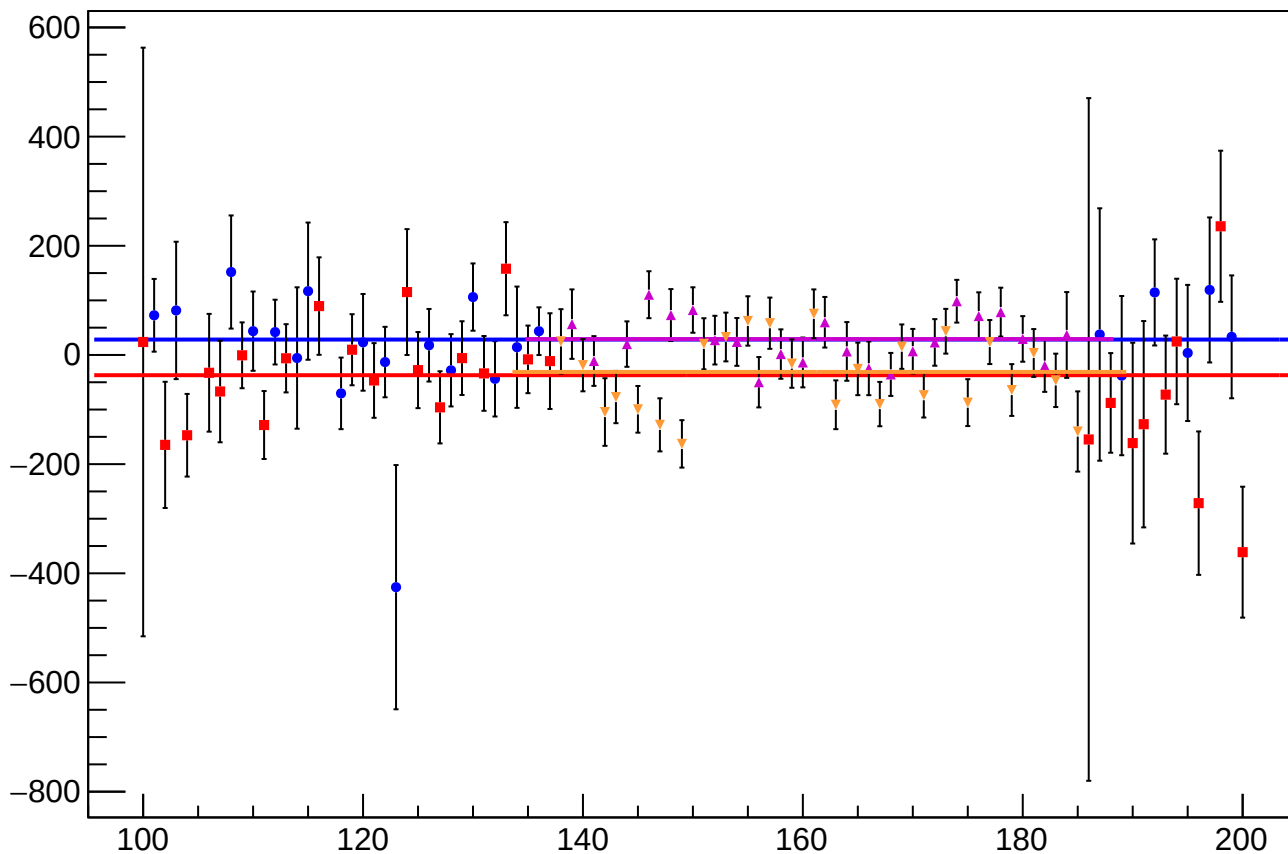
Left In: 339.621+/-0.058 χ^2/NDF : 379808.1/22

+ sign 373.295+/-0.051 χ^2/NDF : 4351028.4/47

All: 377.755+/-0.036 χ^2/NDF : 10198513.4/98

- sign 382.325+/-0.052 χ^2/NDF : 5832029.3/50

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 28.224 ± 16.897 $\chi^2/\text{NDF}: 14.6/22$

Left Out: -31.063 ± 9.170 $\chi^2/\text{NDF}: 52.6/24$

Right Out: -37.079 ± 16.200 $\chi^2/\text{NDF}: 32.9/27$

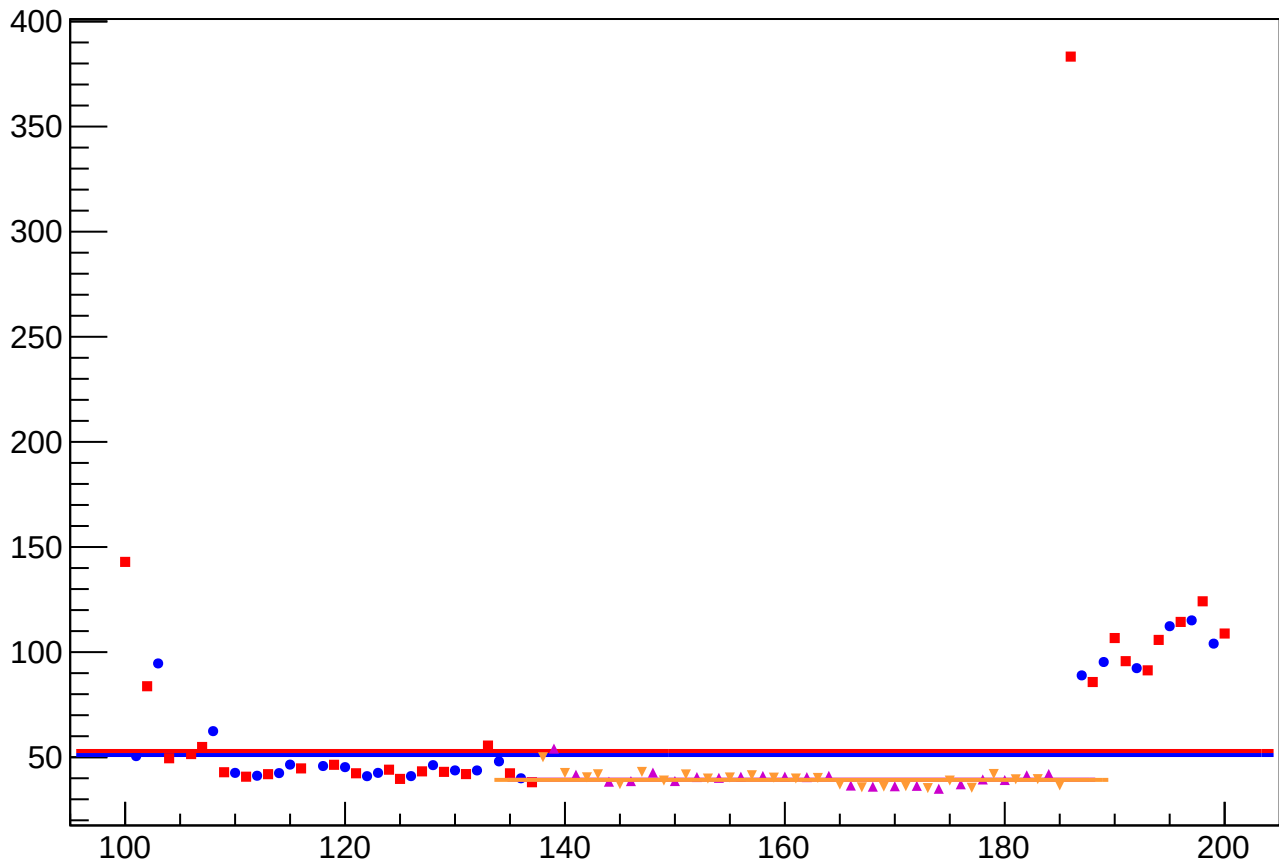
Left In: 29.055 ± 9.449 $\chi^2/\text{NDF}: 22.4/22$

+ sign -17.575 ± 8.059 $\chi^2/\text{NDF}: 76.7/47$

All: -2.844 ± 5.735 $\chi^2/\text{NDF}: 151.2/98$

- sign 12.267 ± 8.162 $\chi^2/\text{NDF}: 67.7/50$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 51.053+/-0.012 χ^2/NDF : 2658015.0/22

Left Out: 39.235+/-0.006 χ^2/NDF : 201960.7/24

Right Out: 52.975+/-0.011 χ^2/NDF : 3988212.1/27

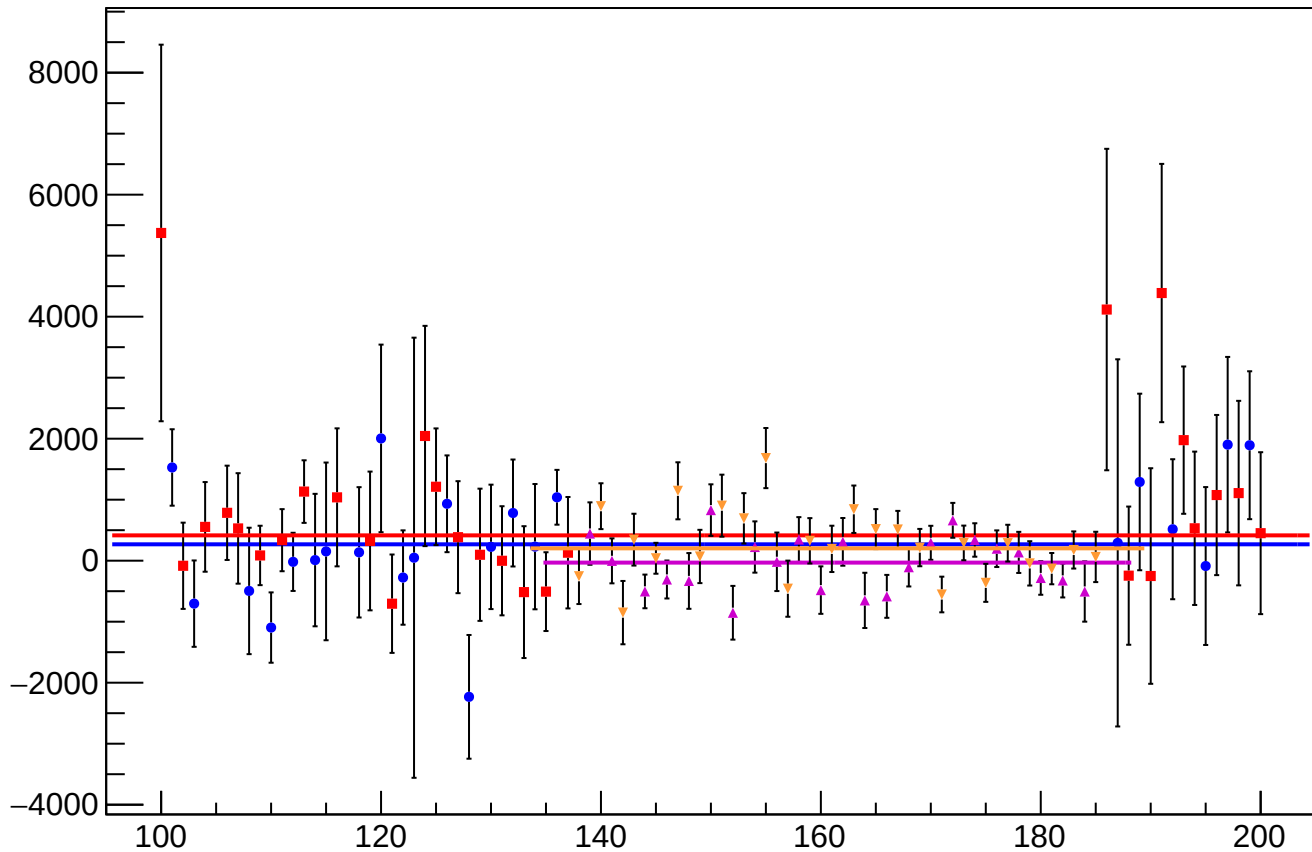
Left In: 39.338+/-0.007 χ^2/NDF : 215671.3/22

+ sign 41.924+/-0.006 χ^2/NDF : 3615716.4/47

All: 42.356+/-0.004 χ^2/NDF : 8888684.0/98

- sign 42.800+/-0.006 χ^2/NDF : 5261288.4/50

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 268.445 ± 179.344 χ^2/NDF : 28.1/22

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 415.132 ± 168.213 χ^2/NDF : 20.9/27

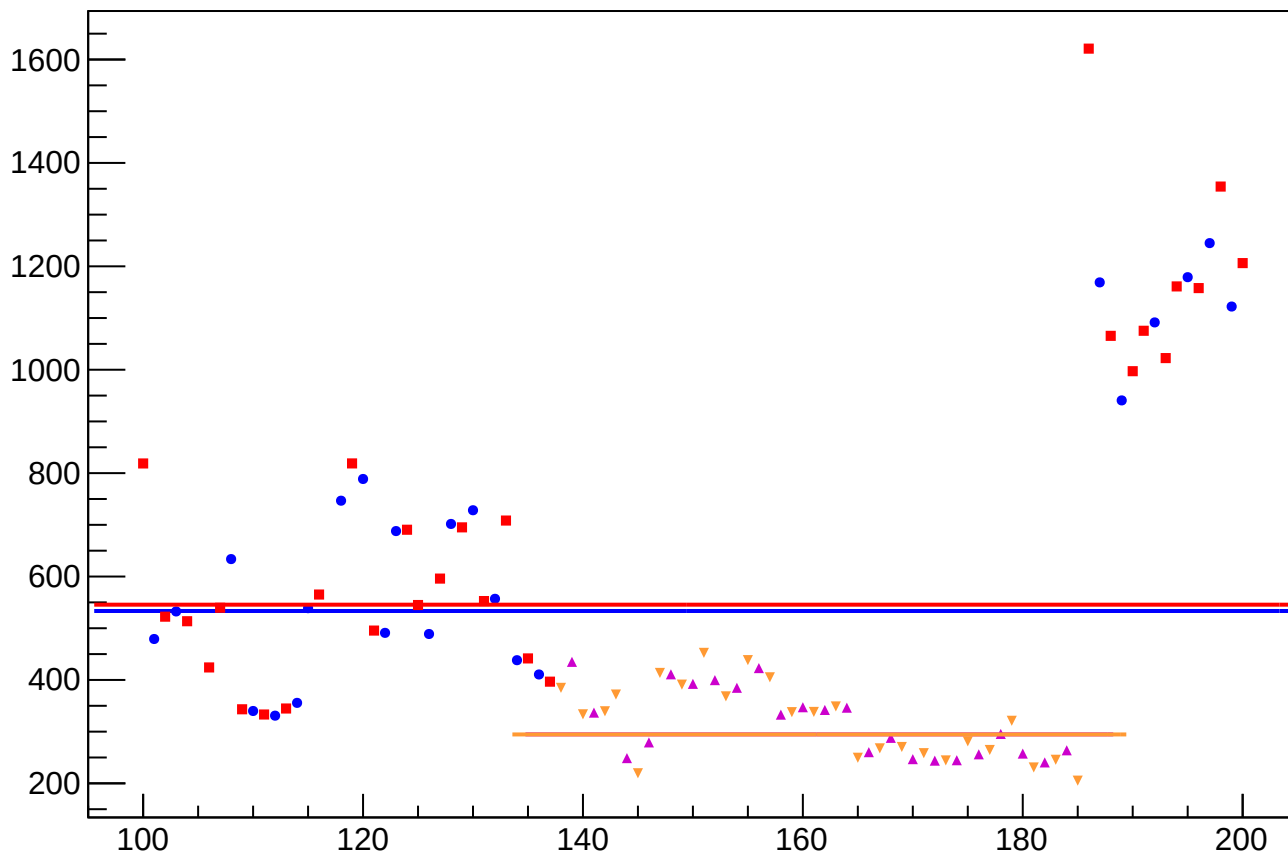
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 211.197 ± 65.553 χ^2/NDF : 73.0/47

All: 125.430 ± 46.604 χ^2/NDF : 136.6/98

- sign 37.778 ± 66.269 χ^2/NDF : 60.2/50

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 533.367 ± 0.127 $\chi^2/\text{NDF}: 3300151.1/22$

Left Out: 294.591 ± 0.050 $\chi^2/\text{NDF}: 1680474.5/24$

Right Out: 545.570 ± 0.119 $\chi^2/\text{NDF}: 4707769.4/27$

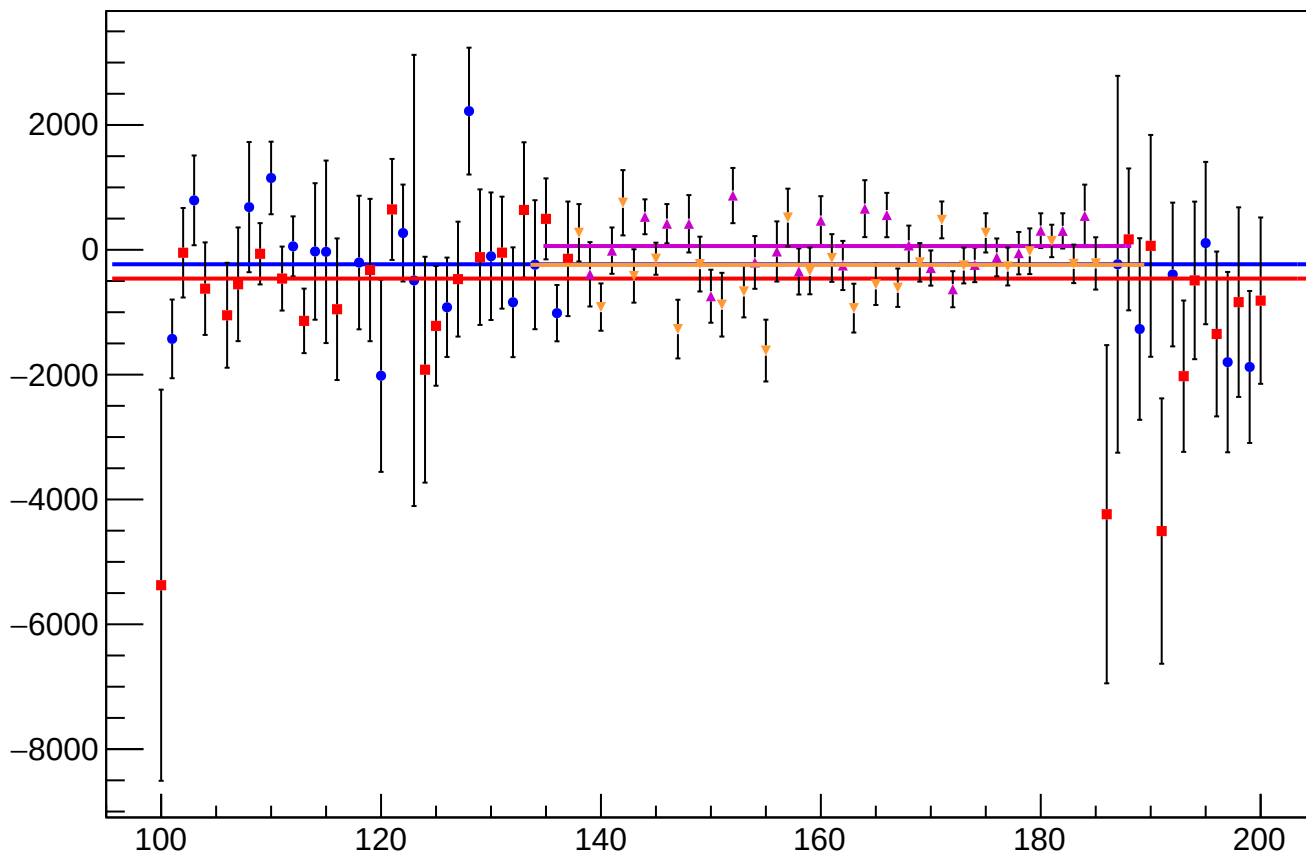
Left In: 294.722 ± 0.051 $\chi^2/\text{NDF}: 1297310.3/22$

+ sign 326.492 ± 0.046 $\chi^2/\text{NDF}: 8052145.4/47$

All: 330.034 ± 0.033 $\chi^2/\text{NDF}: 17826416.1/98$

- sign 333.655 ± 0.047 $\chi^2/\text{NDF}: 9762461.6/50$

asym_sam_15_37_dd_mean vs Slug



Right In: -231.764 ± 180.425 χ^2/NDF : 27.9/22

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -461.110 ± 169.866 χ^2/NDF : 20.9/27

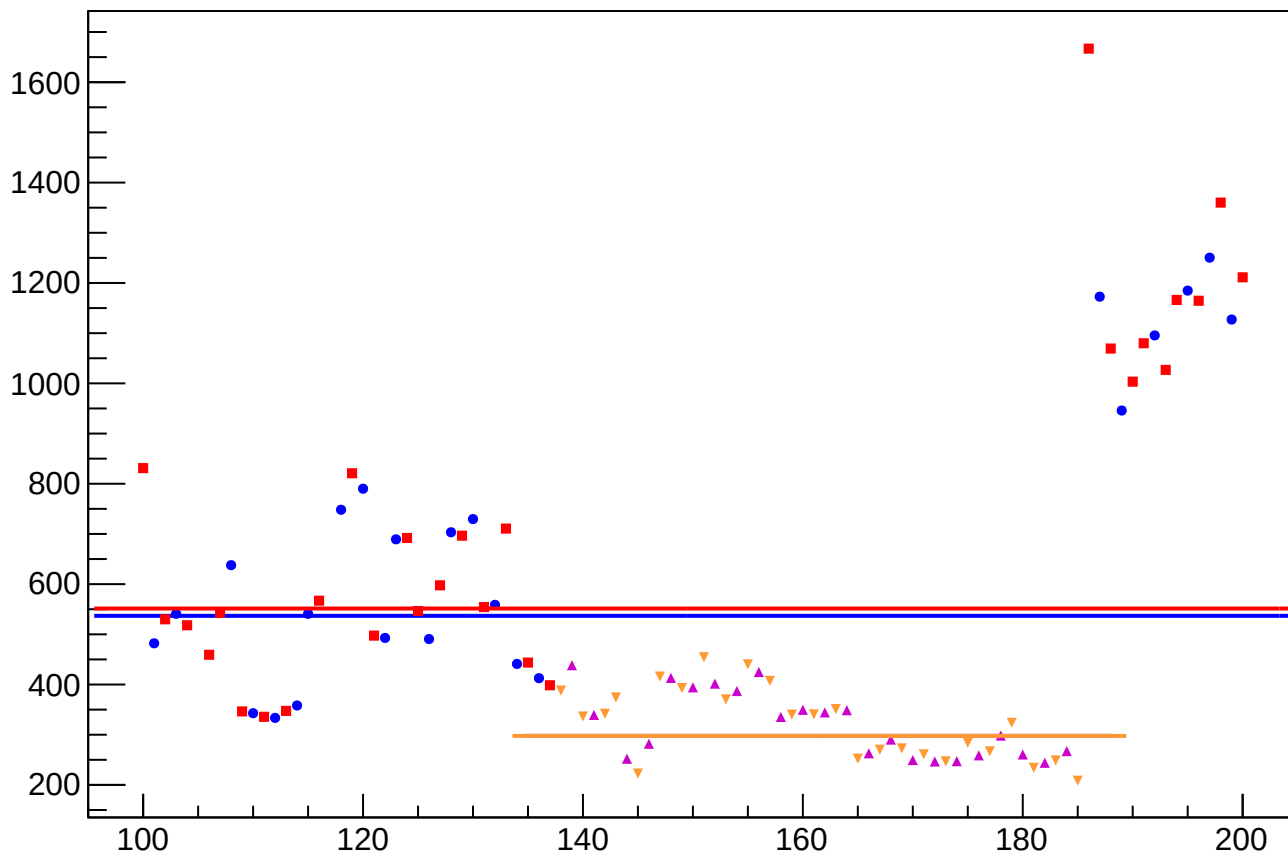
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -239.202 ± 66.149 χ^2/NDF : 70.9/47

All: -131.123 ± 47.039 χ^2/NDF : 136.0/98

- sign -20.562 ± 66.905 χ^2/NDF : 59.8/50

asym_sam_15_37_dd_rms vs Slug



Right In: 536.848 $\pm$ 0.128 χ^2 /NDF: 3283445.6/22

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

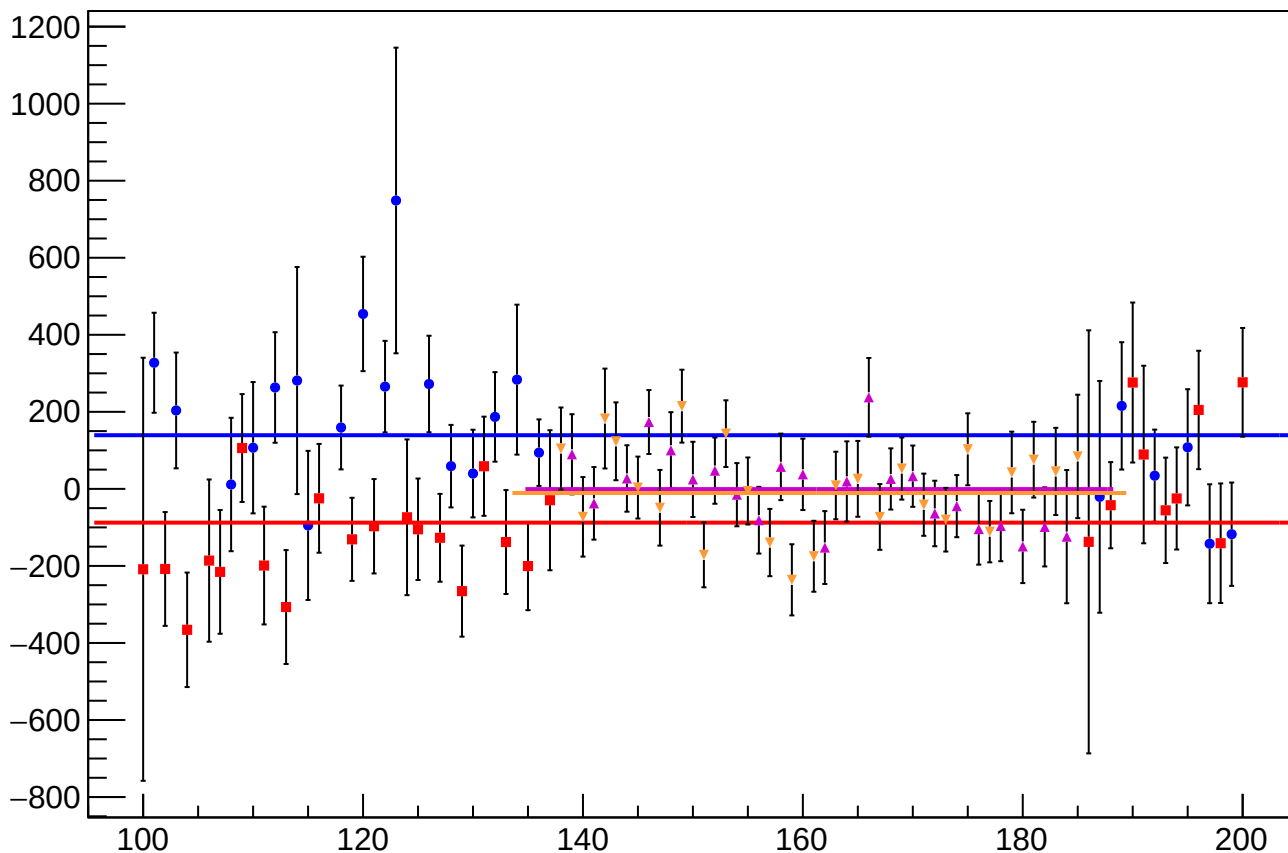
Left In: 297.699 $\pm$ 0.051 χ^2 /NDF:1266306.2/22

+ sign 329.770 $\pm$ 0.047 χ^2 /NDF: 7964861.7/47

All: 333.375 $\pm$ 0.033 χ^2 /NDF: 17678926.9/98

- sign 337.062 $\pm$ 0.047 χ^2 /NDF: 9702054.1/50

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 139.316 ± 29.029 χ^2/NDF : 25.1/22

Left Out: -10.667 ± 18.610 χ^2/NDF : 36.3/24

Right Out: -87.641 ± 27.524 χ^2/NDF : 29.5/27

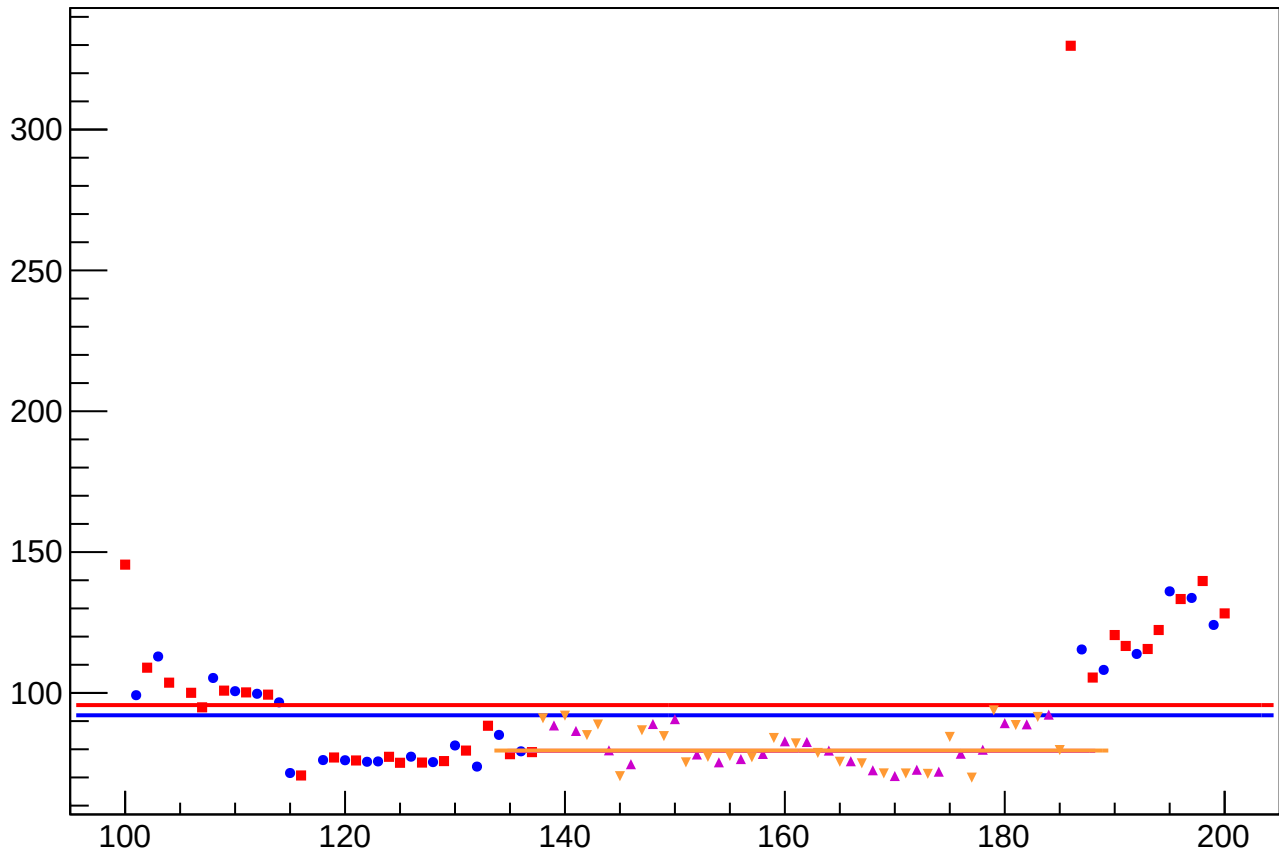
Left In: -0.575 ± 19.091 χ^2/NDF : 23.8/22

+ sign 33.018 ± 15.667 χ^2/NDF : 80.3/47

All: 2.121 ± 11.085 χ^2/NDF : 148.1/98

- sign -28.857 ± 15.687 χ^2/NDF : 60.0/50

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 92.068 ± 0.021 $\chi^2/\text{NDF}: 914253.3/22$

Left Out: 79.551 ± 0.013 $\chi^2/\text{NDF}: 309075.2/24$

Right Out: 95.686 ± 0.019 $\chi^2/\text{NDF}: 1439142.3/27$

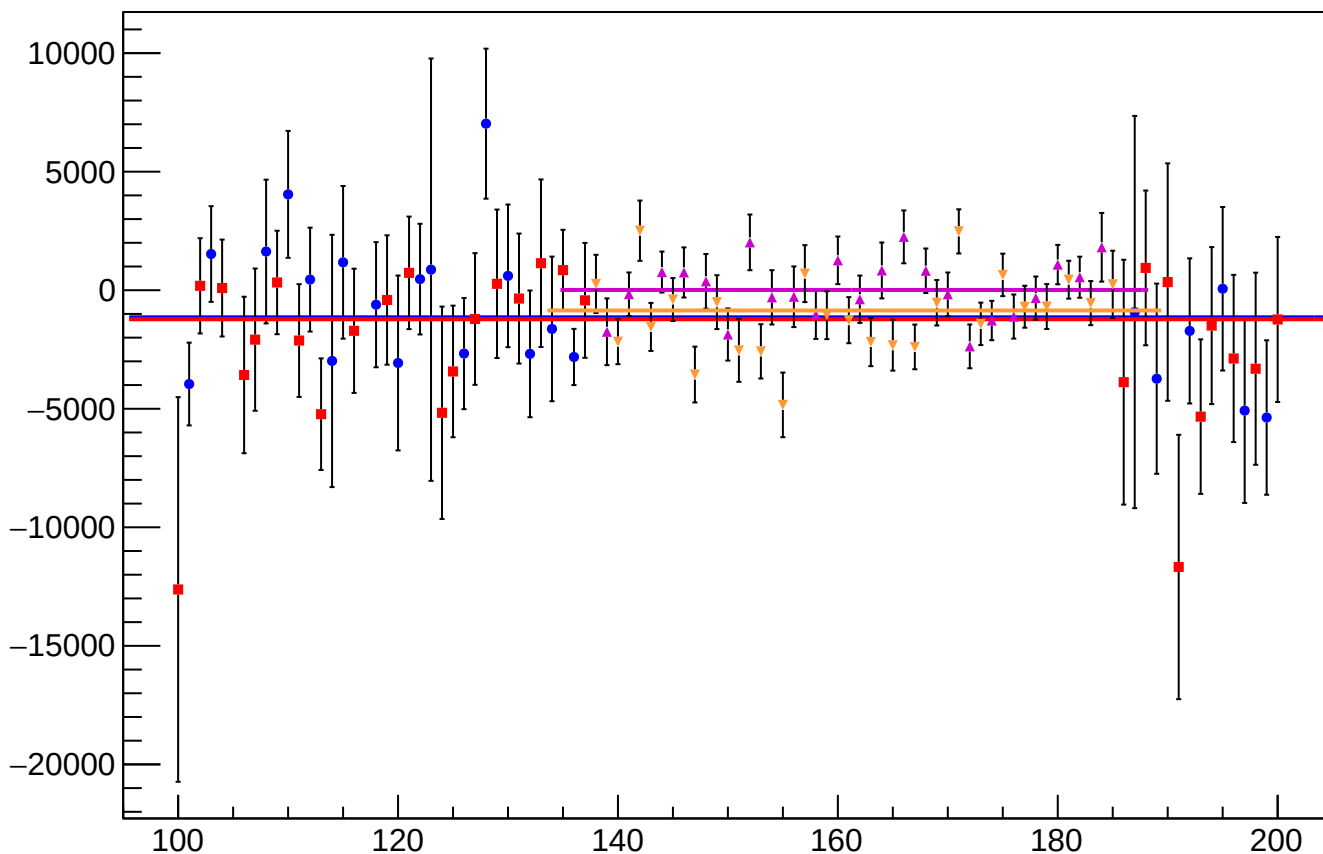
Left In: 79.436 ± 0.013 $\chi^2/\text{NDF}: 212440.1/22$

+ sign 83.197 ± 0.011 $\chi^2/\text{NDF}: 1486869.4/47$

All: 83.955 ± 0.008 $\chi^2/\text{NDF}: 3618496.8/98$

- sign 84.715 ± 0.011 $\chi^2/\text{NDF}: 2122250.1/50$

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1142.728 ± 545.965 χ^2/NDF : 24.0/22

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1225.253 ± 535.776 χ^2/NDF : 18.0/27

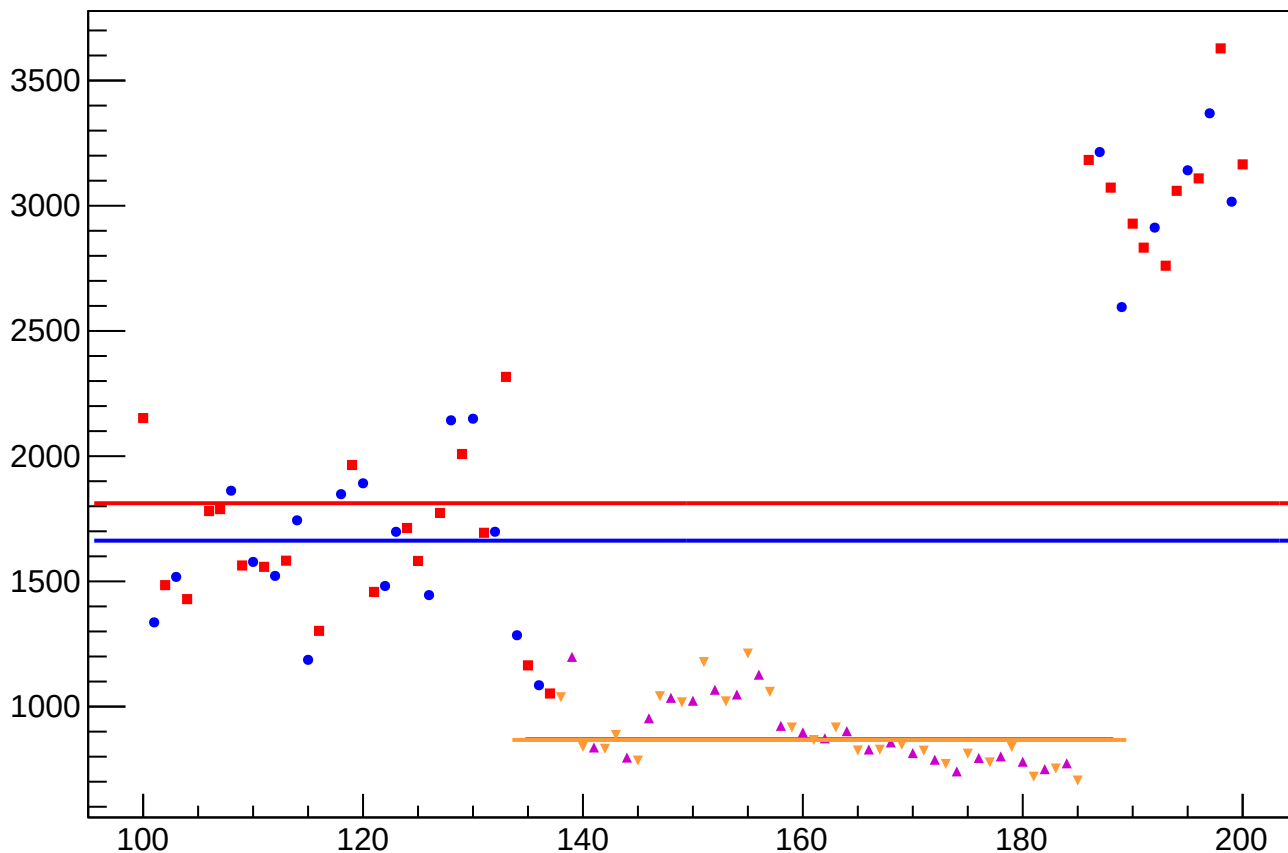
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -889.513 ± 191.170 χ^2/NDF : 80.2/47

All: -529.714 ± 136.709 χ^2/NDF : 141.3/98

- sign -153.135 ± 195.577 χ^2/NDF : 53.8/50

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1662.601 +/- 0.386 χ^2/NDF : 2403761.8/22

Left Out: 866.893 +/- 0.144 χ^2/NDF : 661712.5/24

Right Out: 1812.103 +/- 0.379 χ^2/NDF : 2909395.8/27

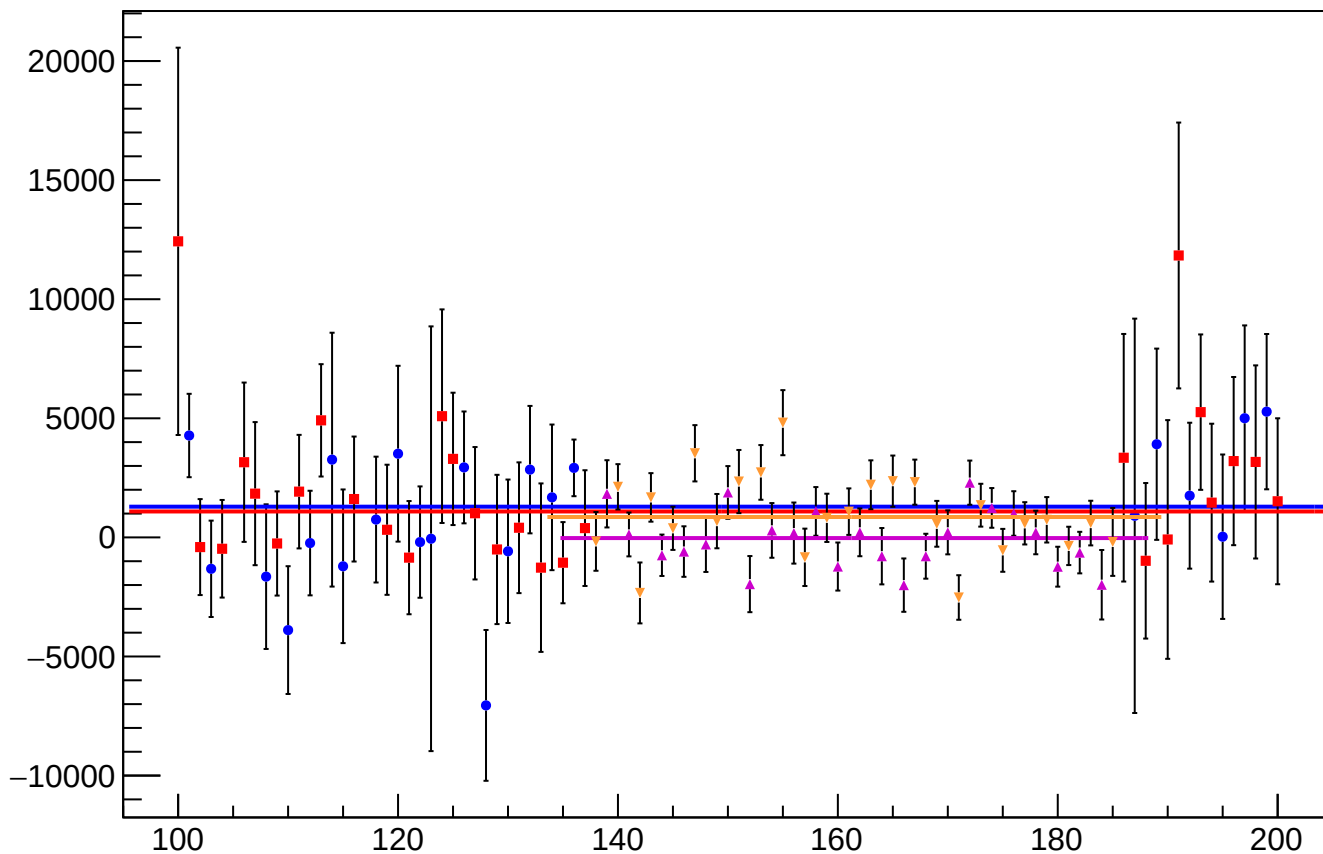
Left In: 869.569 +/- 0.149 χ^2/NDF : 582301.2/22

+ sign 964.451 +/- 0.135 χ^2/NDF : 6792851.4/47

All: 979.457 +/- 0.097 χ^2/NDF : 15674543.3/98

- sign 995.162 +/- 0.138 χ^2/NDF : 8856473.3/50

asym_sam_24_68_dd_mean vs Slug



Right In: 1289.624 ± 547.013 $\chi^2/\text{NDF}: 24.3/22$

Left Out: 855.664 ± 205.047 $\chi^2/\text{NDF}: 54.1/24$

Right Out: 1088.562 ± 536.878 $\chi^2/\text{NDF}: 17.9/27$

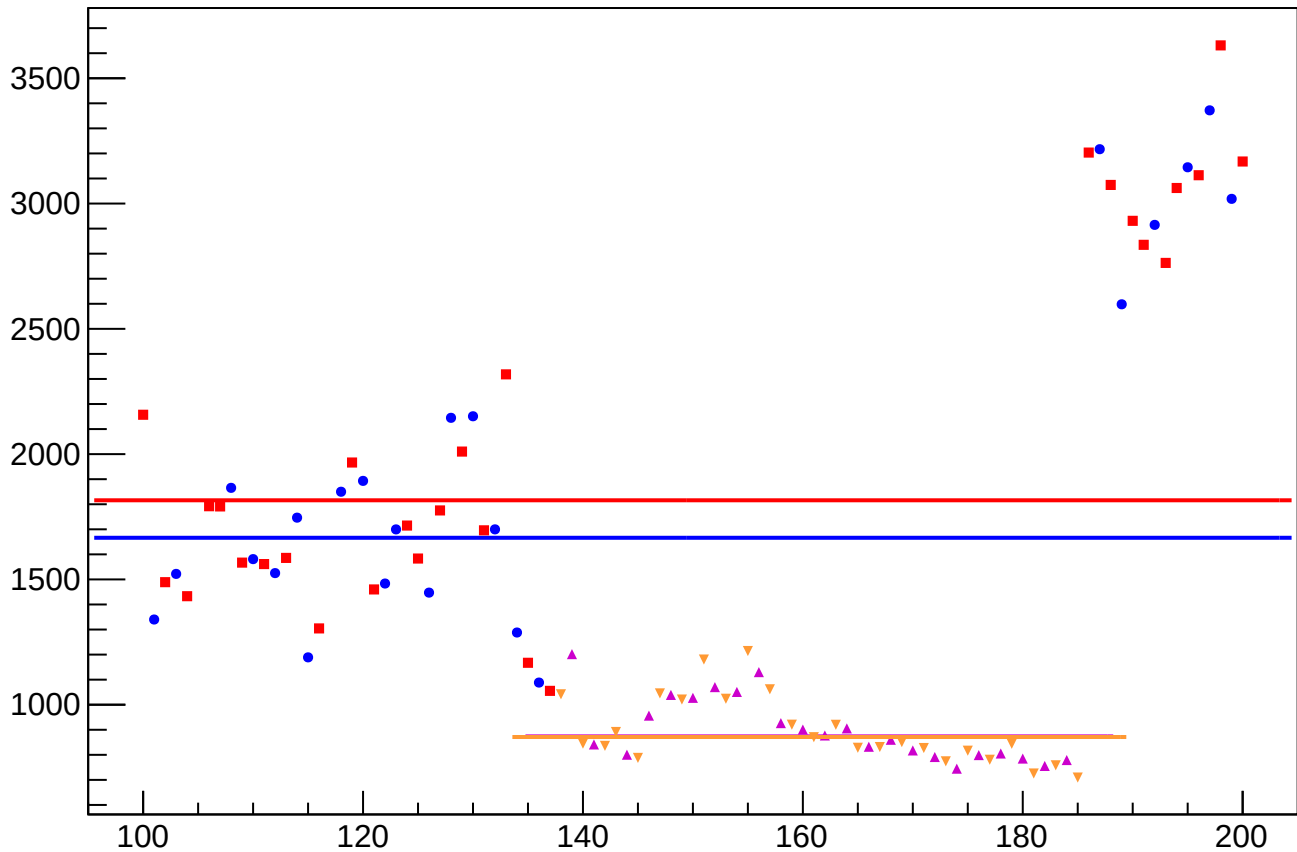
Left In: -28.553 ± 211.034 $\chi^2/\text{NDF}: 29.7/22$

+ sign 909.128 ± 192.001 $\chi^2/\text{NDF}: 79.0/47$

All: 523.976 ± 137.296 $\chi^2/\text{NDF}: 138.6/98$

- sign -120.951 ± 196.405 $\chi^2/\text{NDF}: 51.4/50$

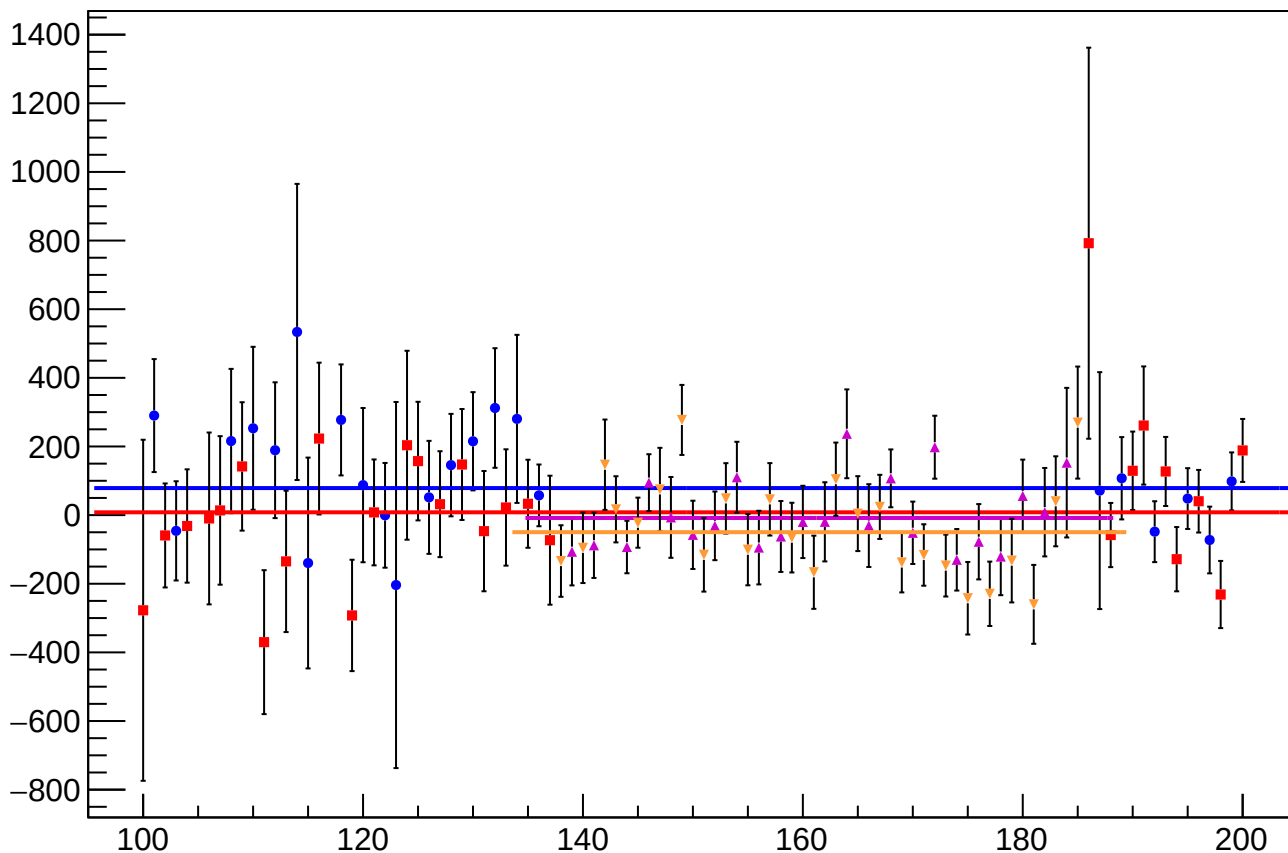
asym_sam_24_68_dd_rms vs Slug



Right In: 1666.209 +/- 0.387 χ^2/NDF : 2395191.3/22
 Left Out: 871.109 +/- 0.145 χ^2/NDF : 651751.1/24
 Right Out: 1815.792 +/- 0.380 χ^2/NDF : 2902794.4/27
 Left In: 873.675 +/- 0.149 χ^2/NDF : 573822.5/22

+ sign 969.065 +/- 0.136 χ^2/NDF : 6751854.1/47
 All: 984.064 +/- 0.097 χ^2/NDF : 15587911.0/98
 - sign 999.759 +/- 0.139 χ^2/NDF : 8811080.4/50

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 78.790 ± 29.445 $\chi^2/\text{NDF}: 15.7/22$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: 8.155 ± 27.075 $\chi^2/\text{NDF}: 30.7/27$

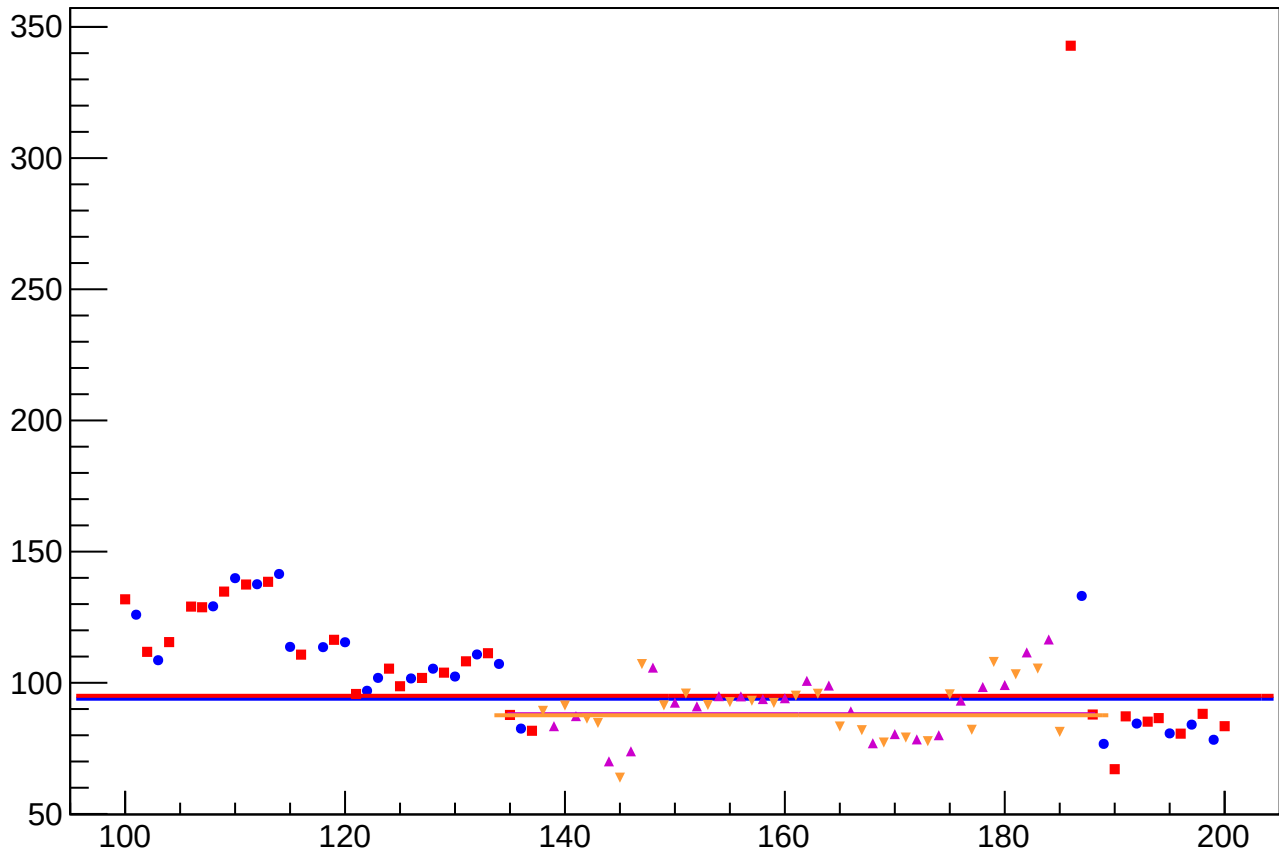
Left In: -8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

+ sign -7.544 ± 16.868 $\chi^2/\text{NDF}: 67.9/47$

All: -4.772 ± 11.877 $\chi^2/\text{NDF}: 120.9/98$

- sign -2.047 ± 16.727 $\chi^2/\text{NDF}: 53.0/50$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 93.930 $\pm$ 0.021 χ^2 /NDF: 709760.8/22

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 95.045 $\pm$ 0.019 χ^2 /NDF: 1158349.5/27

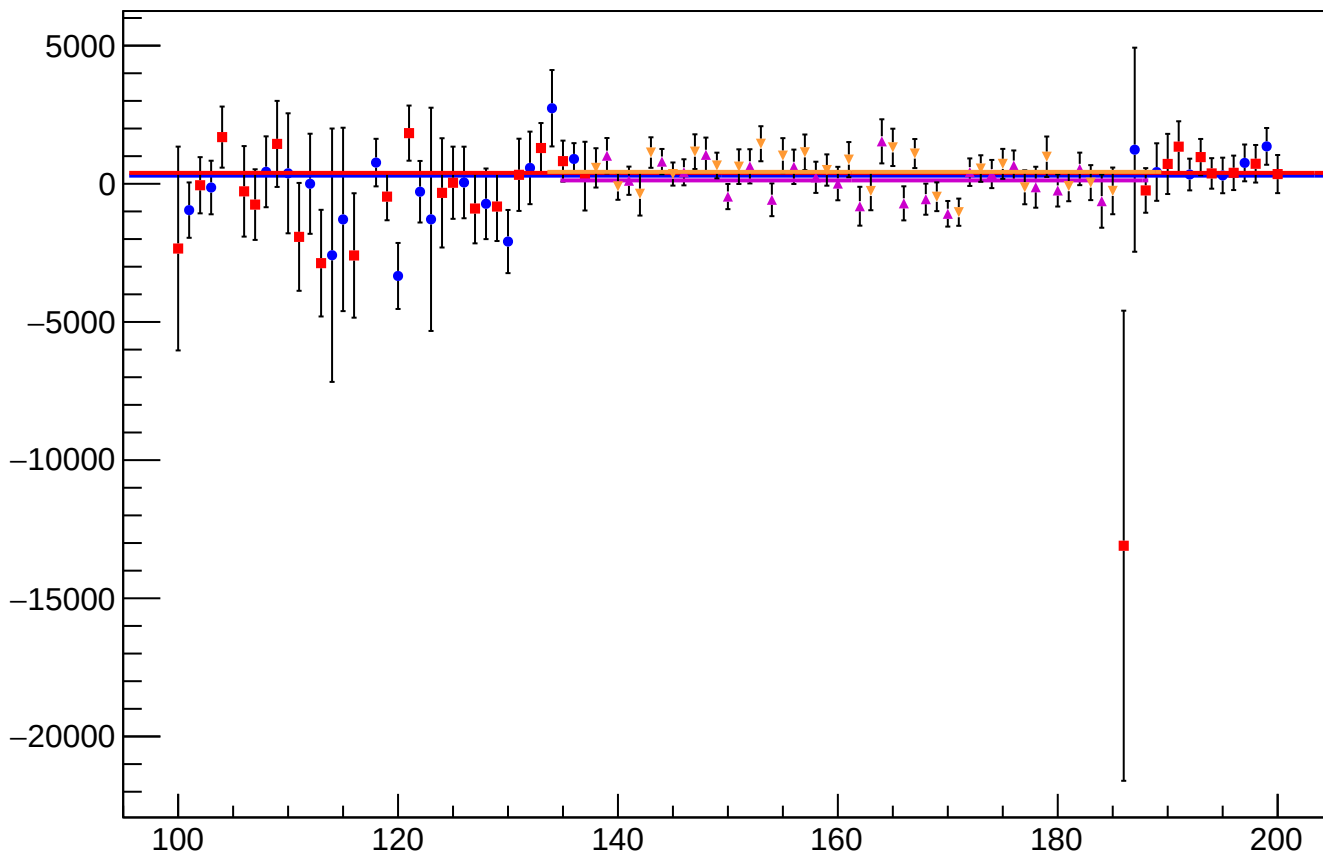
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 89.694 $\pm$ 0.012 χ^2 /NDF: 1326047.6/47

All: 90.206 $\pm$ 0.008 χ^2 /NDF: 3094723.2/98

- sign 90.709 $\pm$ 0.012 χ^2 /NDF: 1765030.3/50

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 295.329 $\pm$ 206.992 χ^2 /NDF: 24.8/22

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

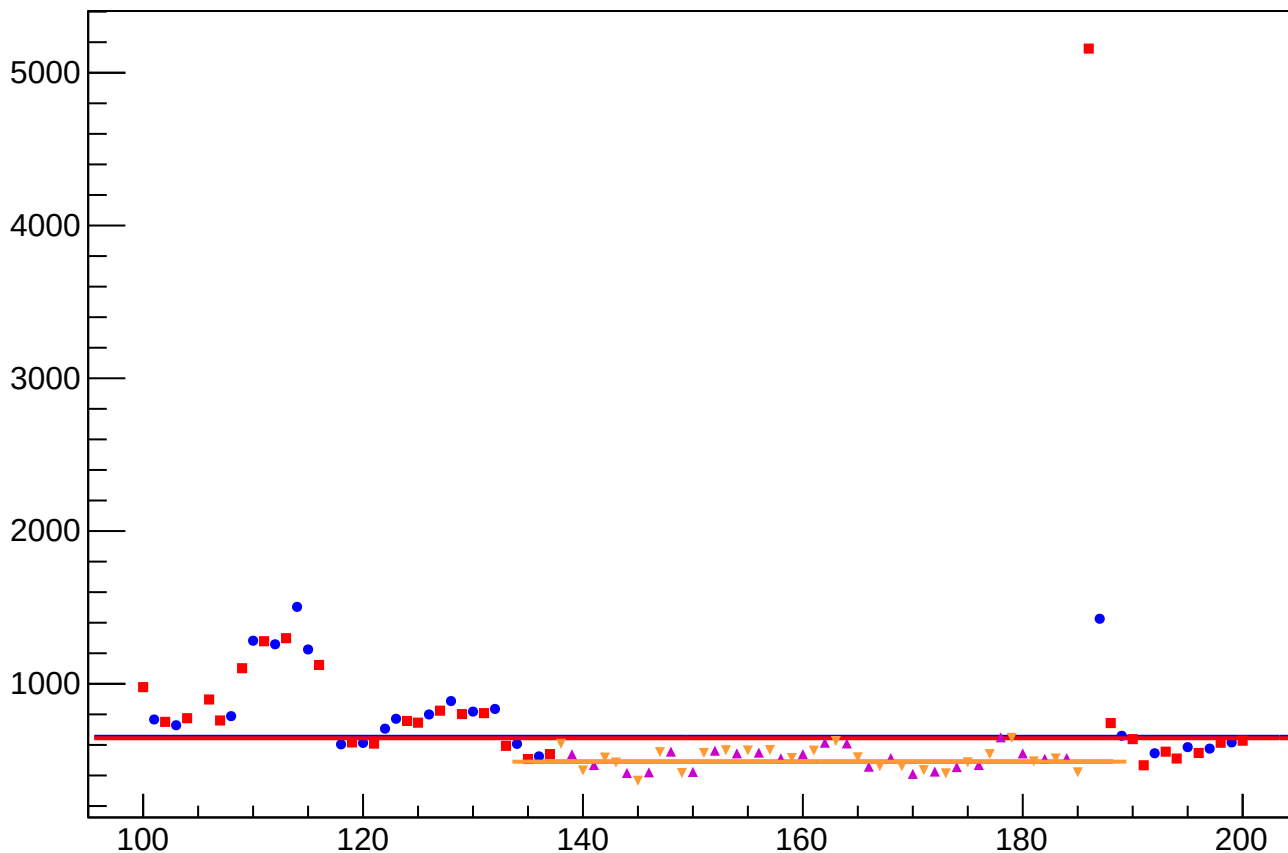
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF:29.3/22

+ sign 399.201 $\pm$ 100.998 χ^2 /NDF: 55.6/47

All: 299.615 $\pm$ 71.141 χ^2 /NDF: 109.7/98

- sign 201.549 $\pm$ 100.224 χ^2 /NDF: 52.3/50

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 653.325 $\pm$ 0.146 χ^2 /NDF: 1083415.7/22

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 643.611 $\pm$ 0.132 χ^2 /NDF: 1924640.7/27

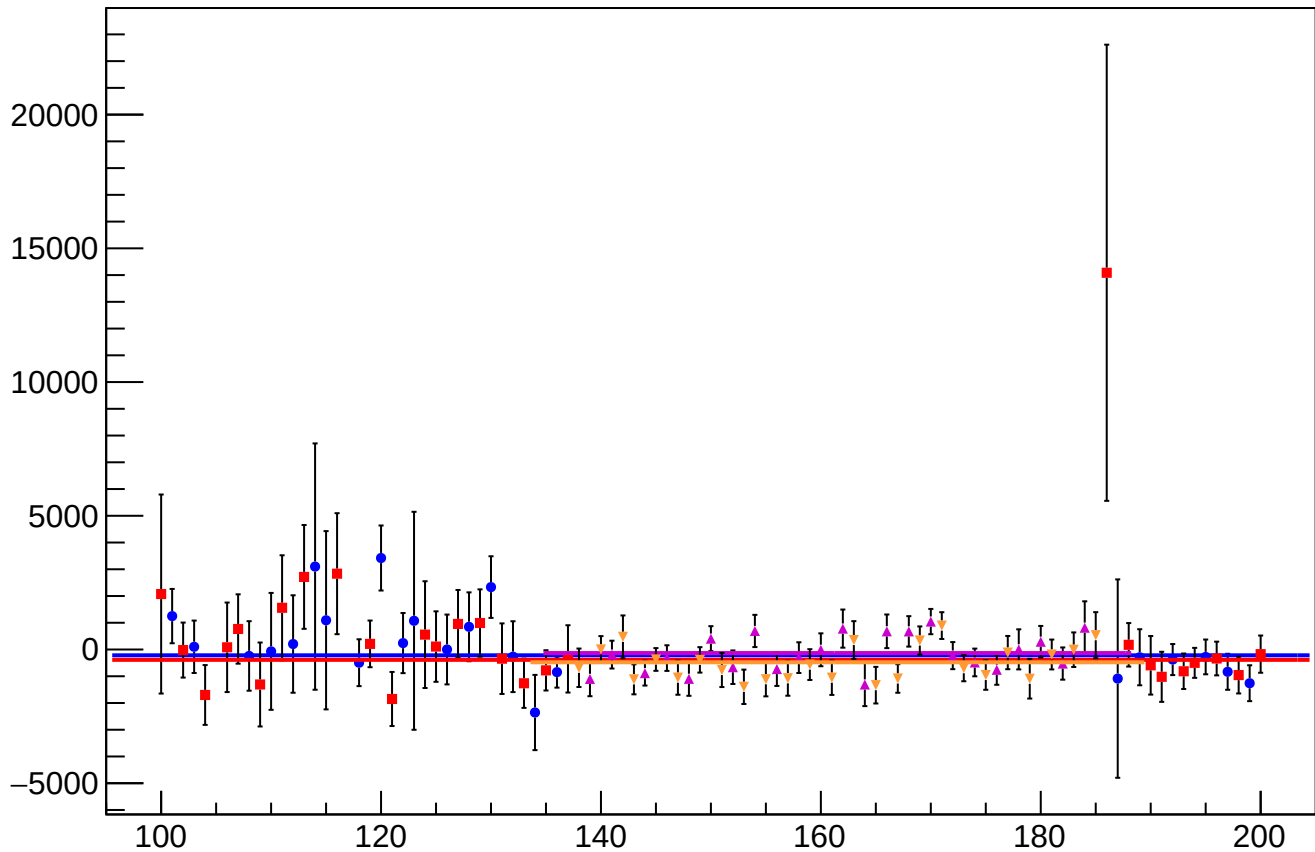
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 529.087 $\pm$ 0.071 χ^2 /NDF: 2779317.2/47

All: 532.077 $\pm$ 0.050 χ^2 /NDF: 6250407.9/98

- sign 535.021 $\pm$ 0.071 χ^2 /NDF: 3467612.5/50

asym_sam_26_48_dd_mean vs Slug



Right In: -217.069 ± 209.322 χ^2/NDF : 24.8/22

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -386.919 ± 188.742 χ^2/NDF : 20.2/27

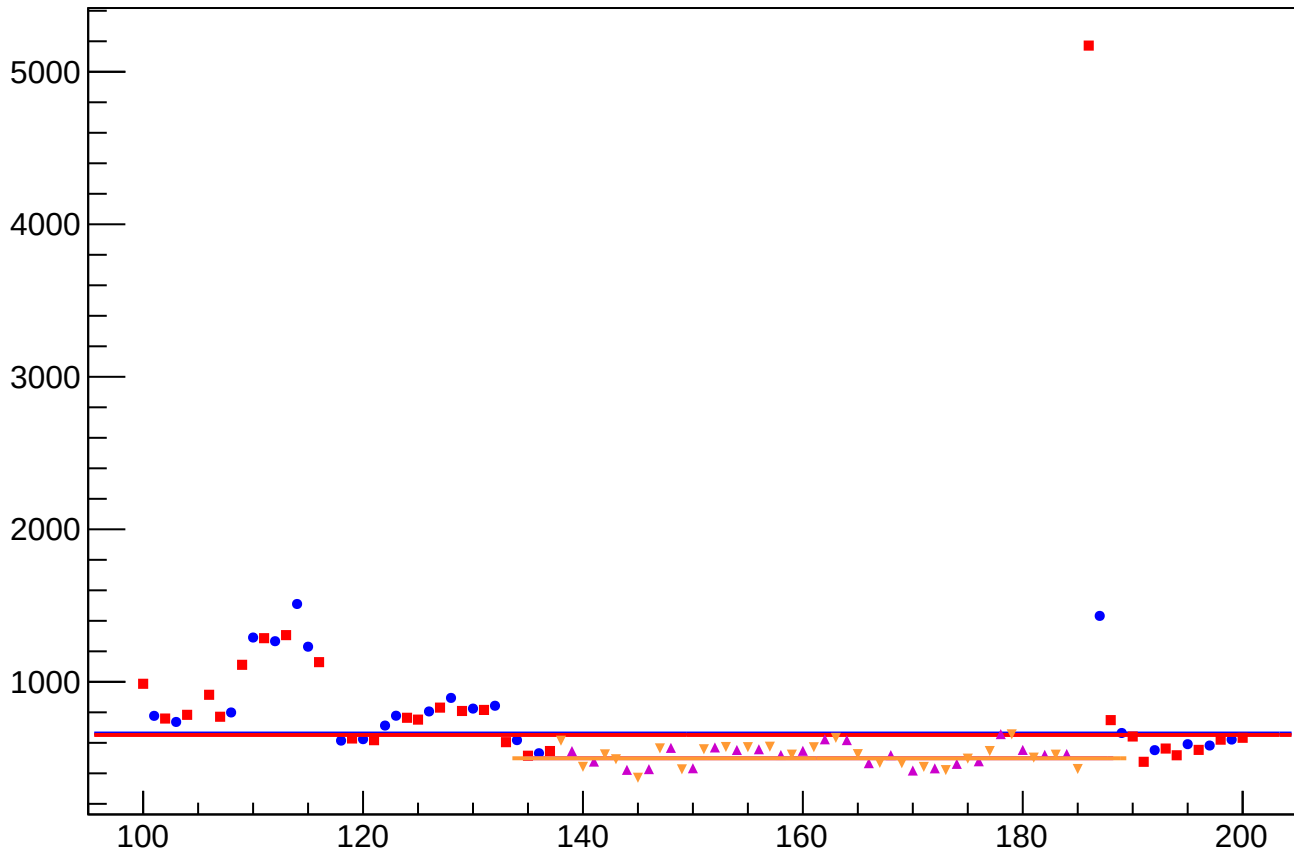
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -415.502 ± 102.566 χ^2/NDF : 53.7/47

All: -310.212 ± 72.247 χ^2/NDF : 106.9/98

- sign -206.521 ± 101.785 χ^2/NDF : 51.1/50

asym_sam_26_48_dd_rms vs Slug



Right In: 660.940 $\pm$ 0.148 χ^2 /NDF: 1071043.6/22

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

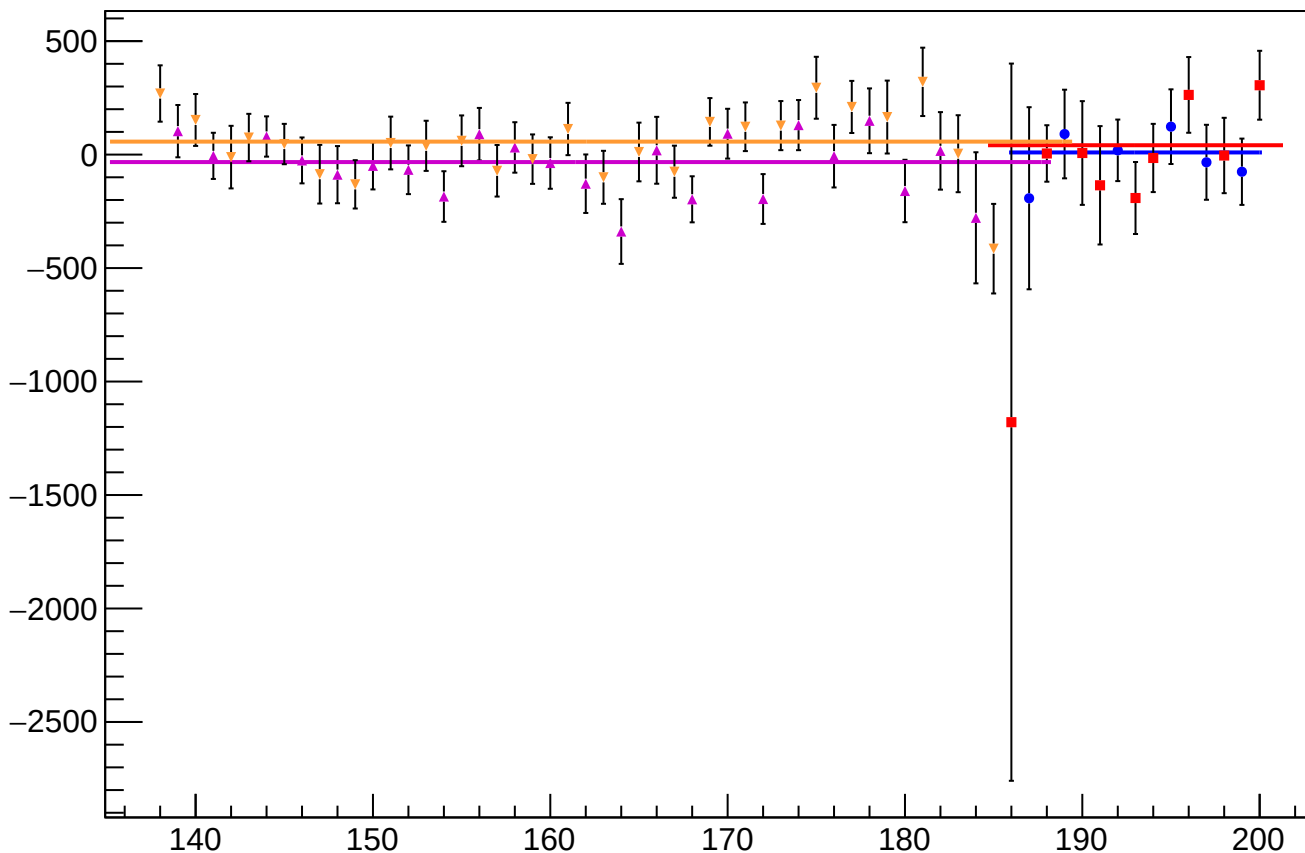
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 537.694 $\pm$ 0.073 χ^2 /NDF: 2717750.4/47

All: 540.726 $\pm$ 0.051 χ^2 /NDF: 6124611.5/98

- sign 543.711 $\pm$ 0.072 χ^2 /NDF: 3403393.5/50

reg_asym_sam_1548_avg_mean vs Slug



Right In: 9.497 ± 69.451 $\chi^2/\text{NDF}: 1.3/5$

Left Out: 57.211 ± 23.714 $\chi^2/\text{NDF}: 29.2/24$

Right Out: 41.241 ± 57.884 $\chi^2/\text{NDF}: 8.3/8$

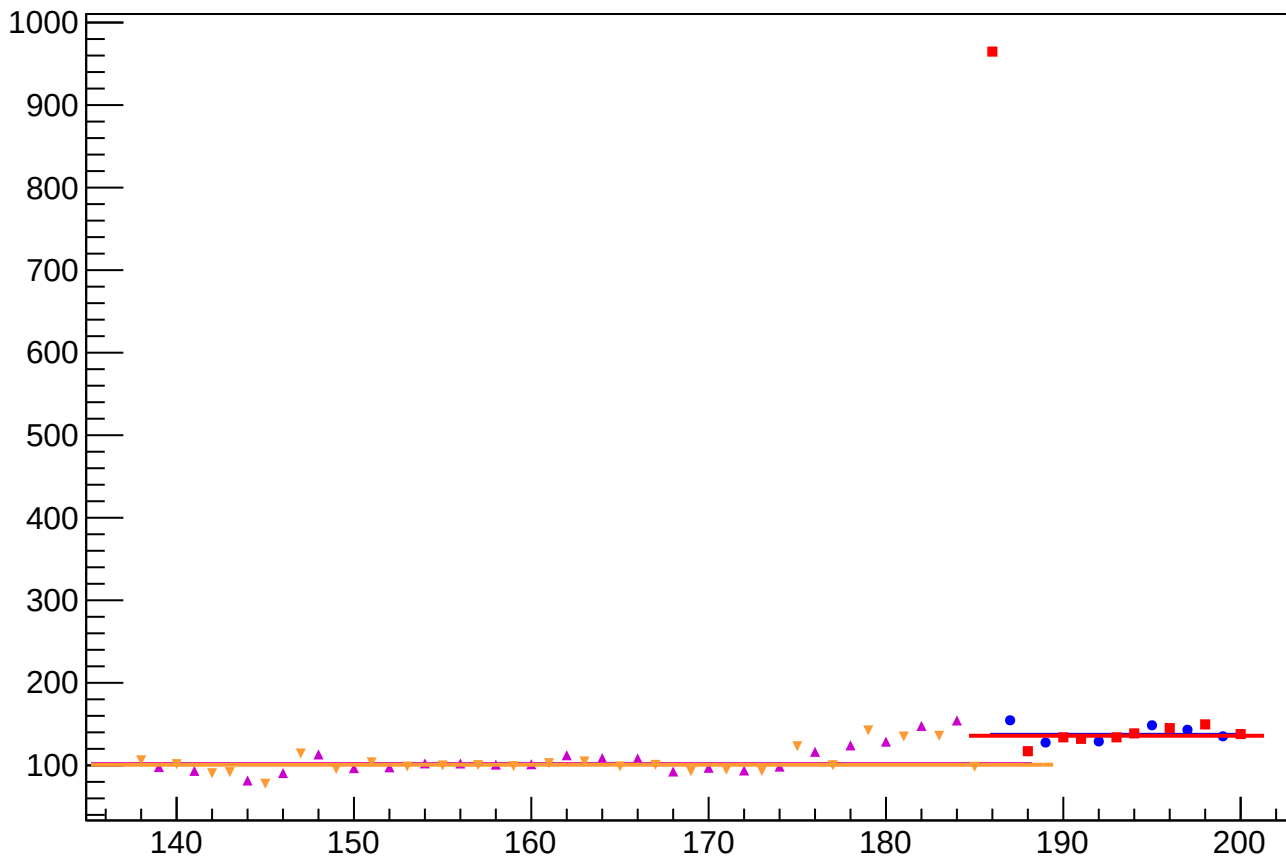
Left In: -32.948 ± 24.587 $\chi^2/\text{NDF}: 23.6/22$

+ sign 52.229 ± 22.442 $\chi^2/\text{NDF}: 30.9/30$

All: 15.619 ± 15.935 $\chi^2/\text{NDF}: 69.6/62$

- sign -21.608 ± 22.630 $\chi^2/\text{NDF}: 33.3/31$

reg_asym_sam_1548_avg_rms vs Slug



Right In: 136.991 $\pm$ 0.049 χ^2 /NDF: 28341.8/5

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

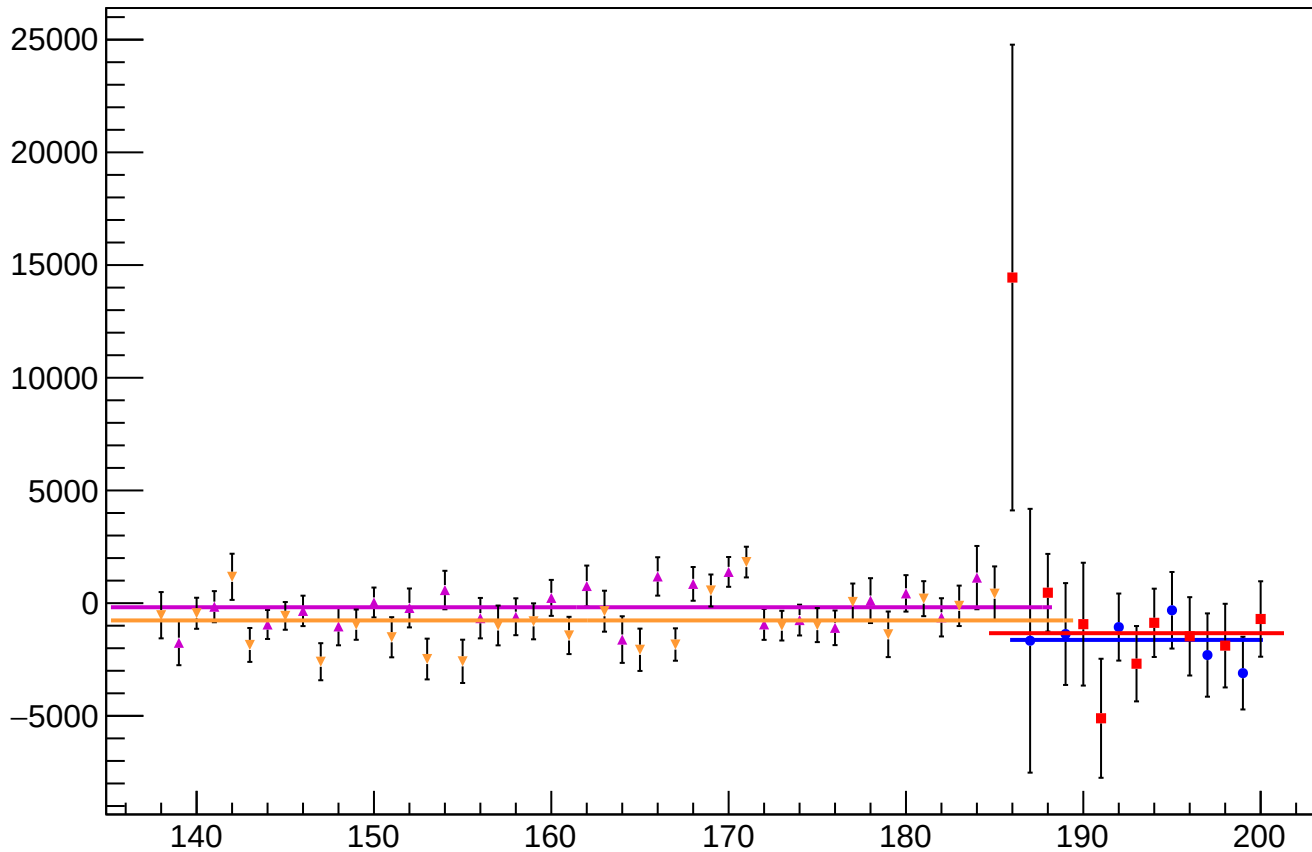
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 104.579 $\pm$ 0.016 χ^2 /NDF: 1115209.5/30

All: 105.710 $\pm$ 0.011 χ^2 /NDF: 2919227.0/62

- sign 106.861 $\pm$ 0.016 χ^2 /NDF: 1793768.9/31

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1630.751 ± 766.703 χ^2/NDF : 1.7/5

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1332.520 ± 645.976 χ^2/NDF : 6.5/8

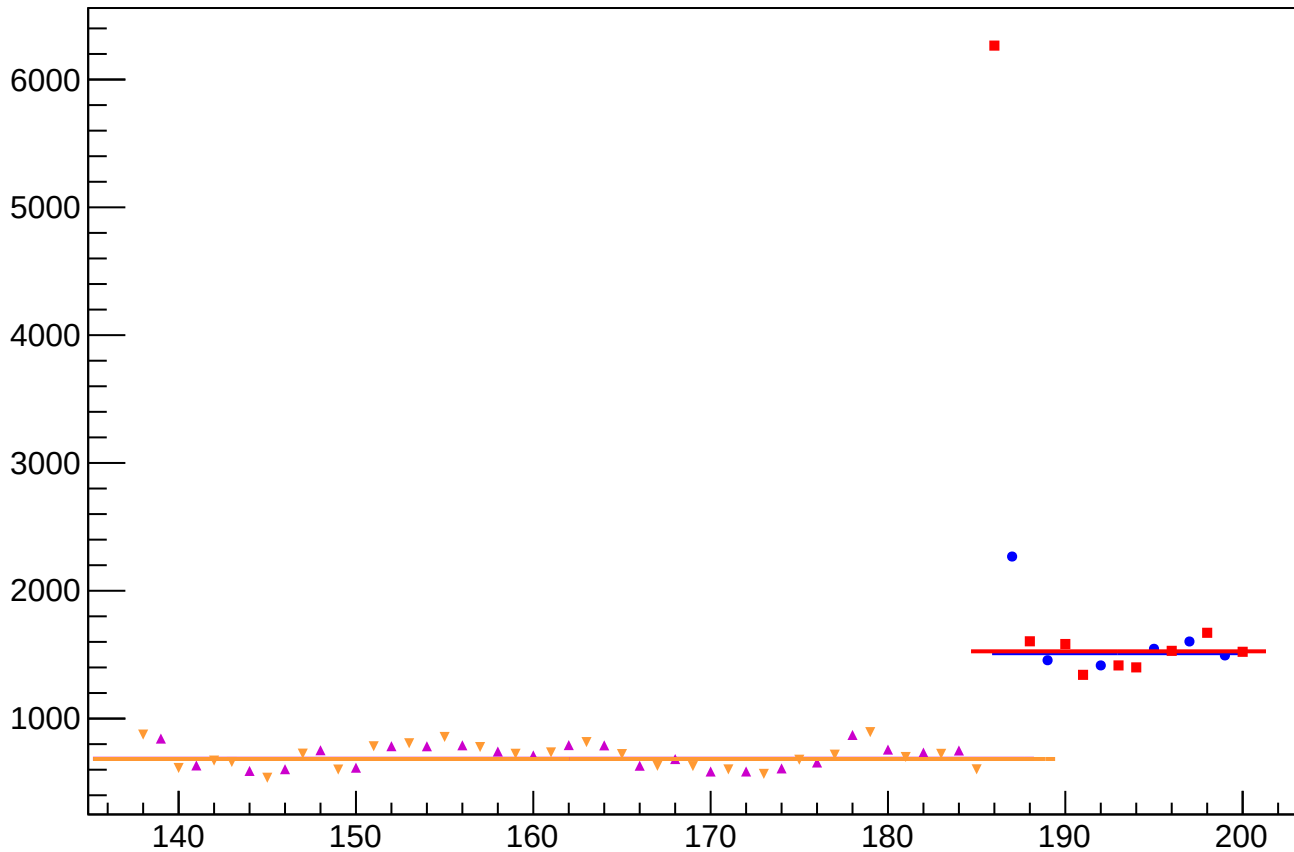
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -802.893 ± 157.626 χ^2/NDF : 49.5/30

All: -532.686 ± 112.453 χ^2/NDF : 89.9/62

- sign -252.614 ± 160.477 χ^2/NDF : 34.4/31

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1511.611+/-0.542 χ^2/NDF : 48827.3/5

Left Out: 683.884+/-0.114 χ^2/NDF : 667158.2/24

Right Out: 1526.219+/-0.457 χ^2/NDF : 470251.8/8

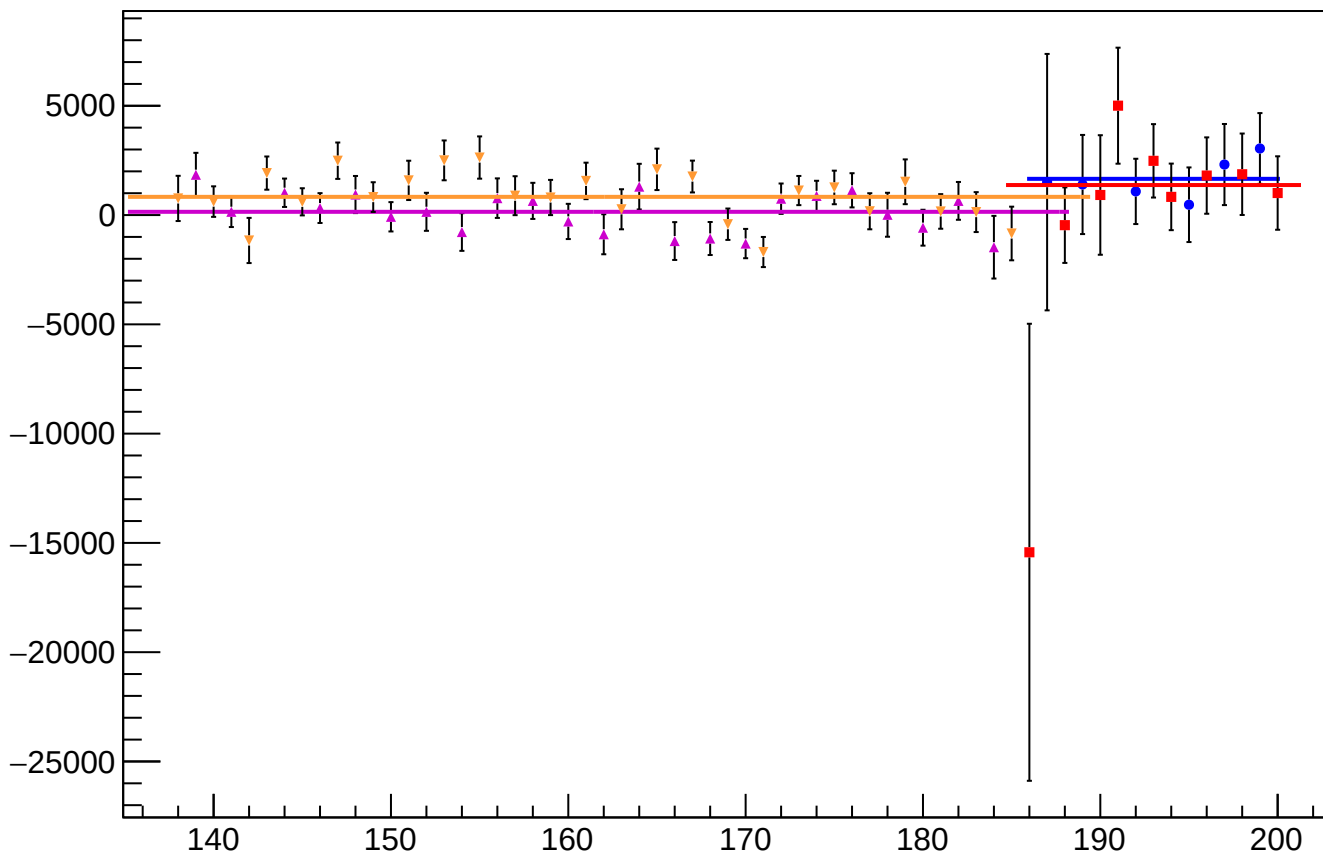
Left In: 685.593+/-0.117 χ^2/NDF : 529353.6/22

+ sign 718.870+/-0.111 χ^2/NDF : 2948496.6/30

All: 728.004+/-0.080 χ^2/NDF : 7139664.4/62

- sign 737.472+/-0.113 χ^2/NDF : 4177489.2/31

asym_sam_1548_avg_mean vs Slug



Right In: 1658.022 $\pm$ 769.982 χ^2 /NDF: 1.5/5

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF: 43.2/24

Right Out: 1373.685 $\pm$ 648.830 χ^2 /NDF: 6.4/8

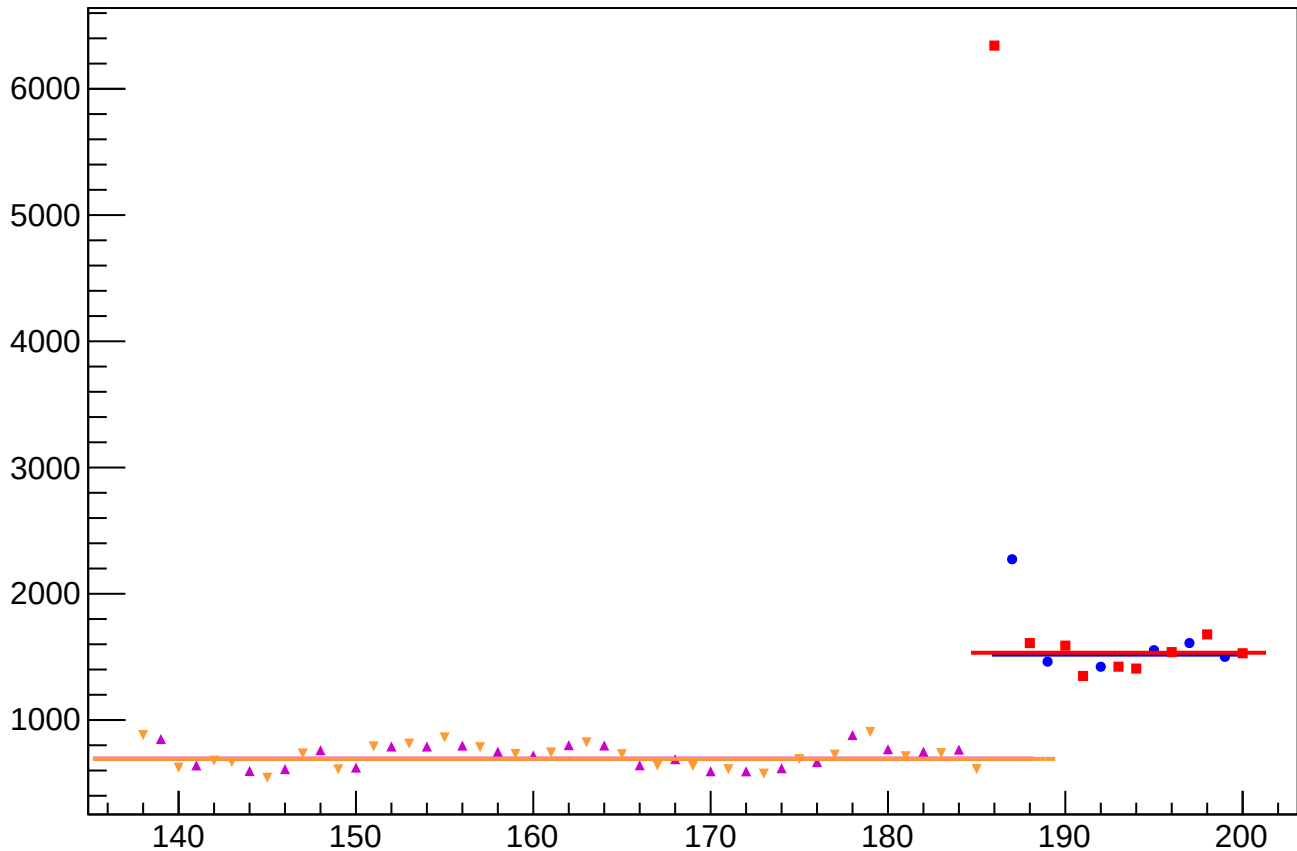
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF: 26.0/22

+ sign 868.750 $\pm$ 159.433 χ^2 /NDF: 45.8/30

All: 552.868 $\pm$ 113.741 χ^2 /NDF: 89.5/62

- sign 225.469 $\pm$ 162.314 χ^2 /NDF: 35.7/31

asym_sam_1548_avg_rms vs Slug



Right In: 1518.114+/-0.544 χ^2/NDF : 48657.2/5

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1532.924+/-0.459 χ^2/NDF : 471926.1/8

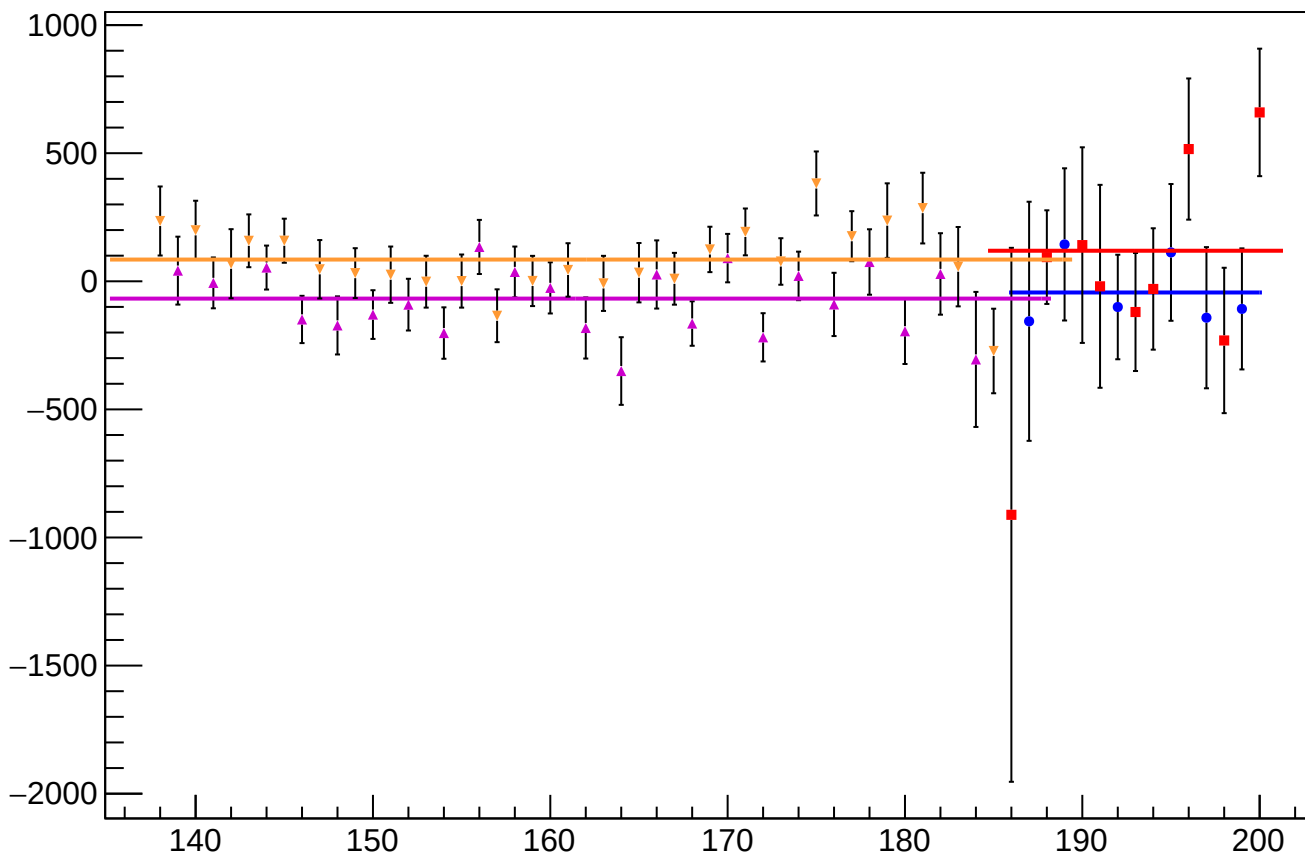
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 727.512+/-0.113 χ^2/NDF : 2908925.5/30

All: 736.775+/-0.080 χ^2/NDF : 7051997.9/62

- sign 746.377+/-0.115 χ^2/NDF : 4129321.9/31

reg_asym_sam_3748_avg_mean vs Slug



Right In: -43.677 ± 108.414 χ^2/NDF : 1.1/5

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 119.262 ± 90.346 χ^2/NDF : 10.9/8

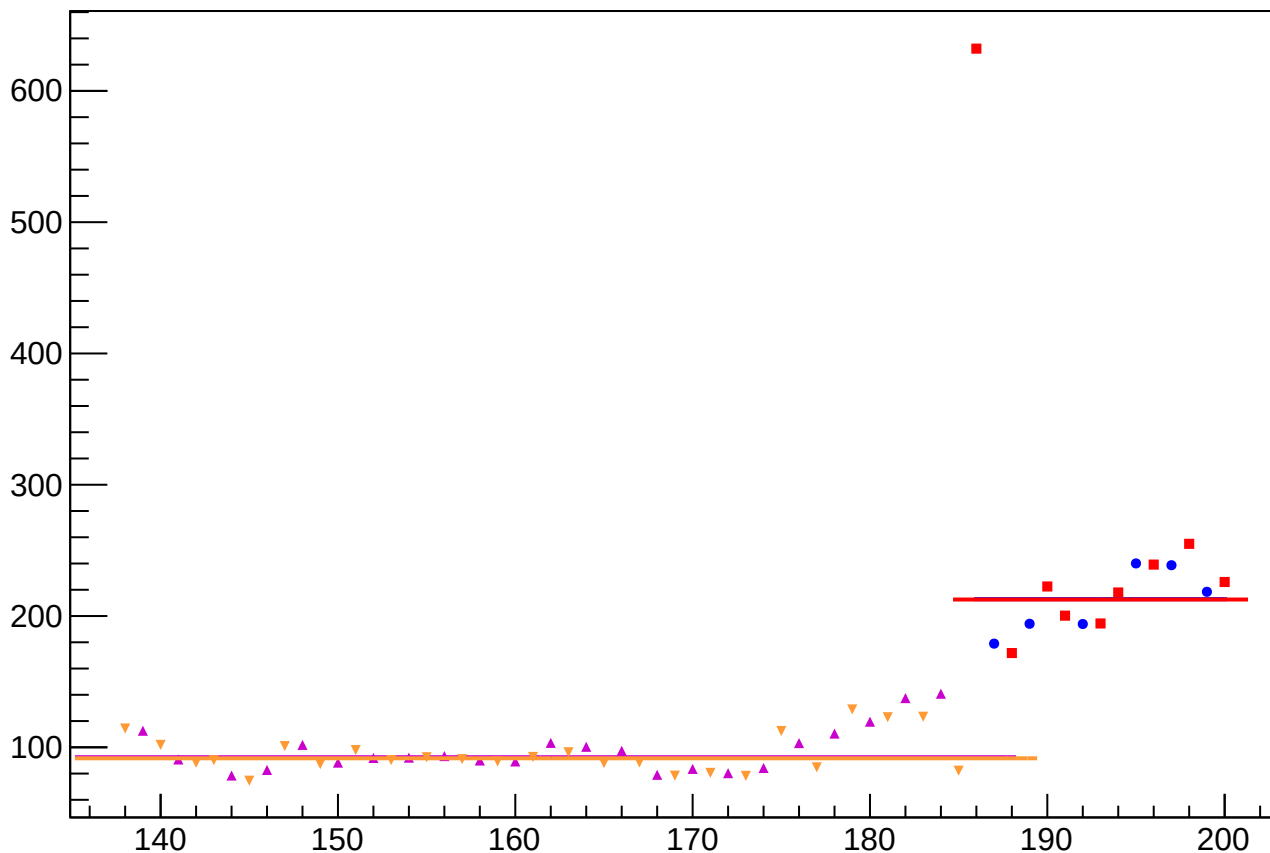
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 79.933 ± 21.224 χ^2/NDF : 30.9/30

All: 13.409 ± 15.203 χ^2/NDF : 94.9/62

- sign -56.689 ± 21.787 χ^2/NDF : 43.8/31

reg_asym_sam_3748_avg_rms vs Slug



Right In: 212.846 $\pm$ 0.077 χ^2 /NDF: 75283.4/5

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

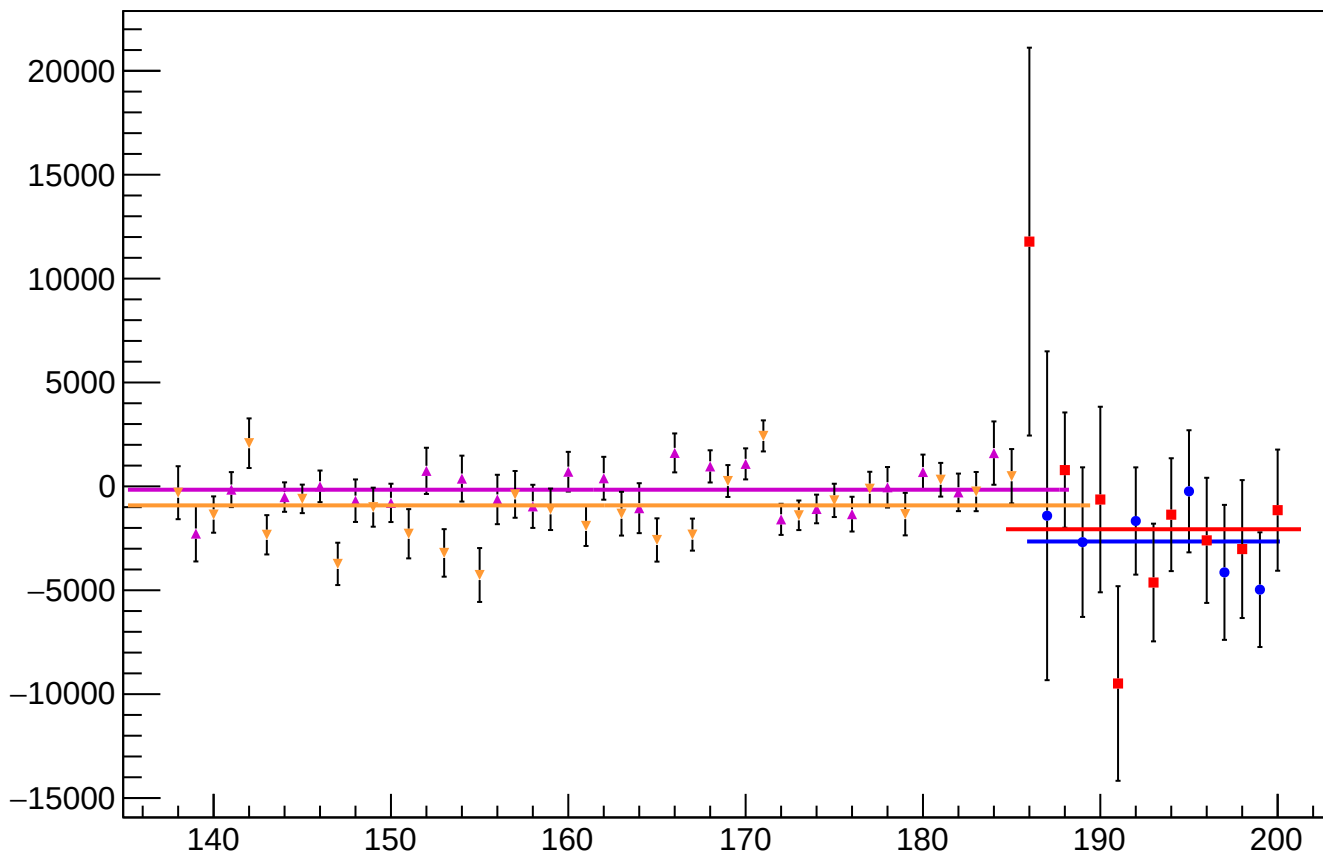
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 96.278 $\pm$ 0.015 χ^2 /NDF: 3172713.8/30

All: 97.823 $\pm$ 0.011 χ^2 /NDF: 7689261.2/62

- sign 99.451 $\pm$ 0.015 χ^2 /NDF: 4494791.5/31

asym_sam_3748_avg_correction_mean vs Slug



Right In: -2652.154 ± 1307.555 χ^2/NDF : 1.8/5

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -2063.236 ± 1106.995 χ^2/NDF : 7.0/8

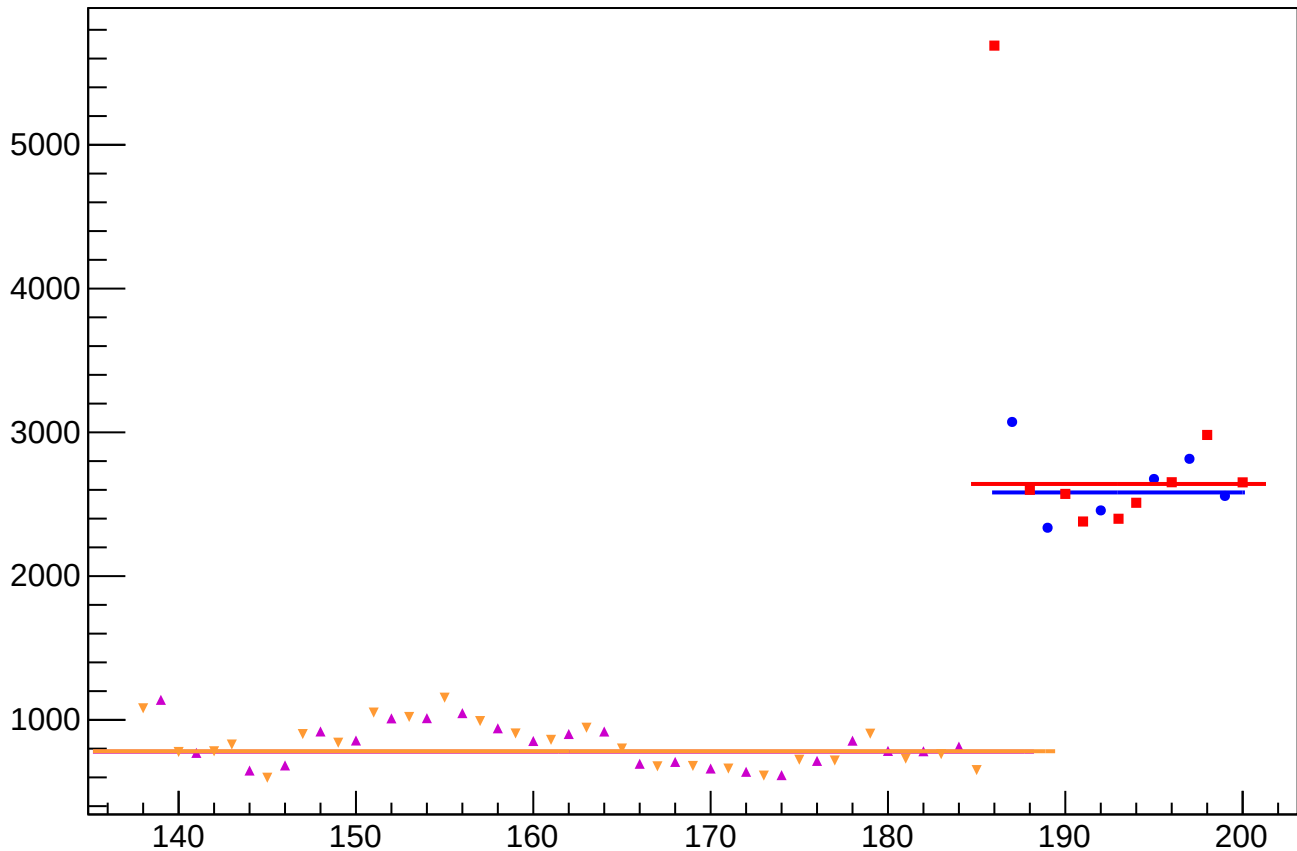
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -948.940 ± 183.506 χ^2/NDF : 67.7/30

All: -588.557 ± 130.899 χ^2/NDF : 110.4/62

- sign -215.225 ± 186.774 χ^2/NDF : 34.9/31

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2582.044 $\pm$ 0.925 χ^2 /NDF: 34221.1/5

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2641.031 $\pm$ 0.783 χ^2 /NDF: 260932.8/8

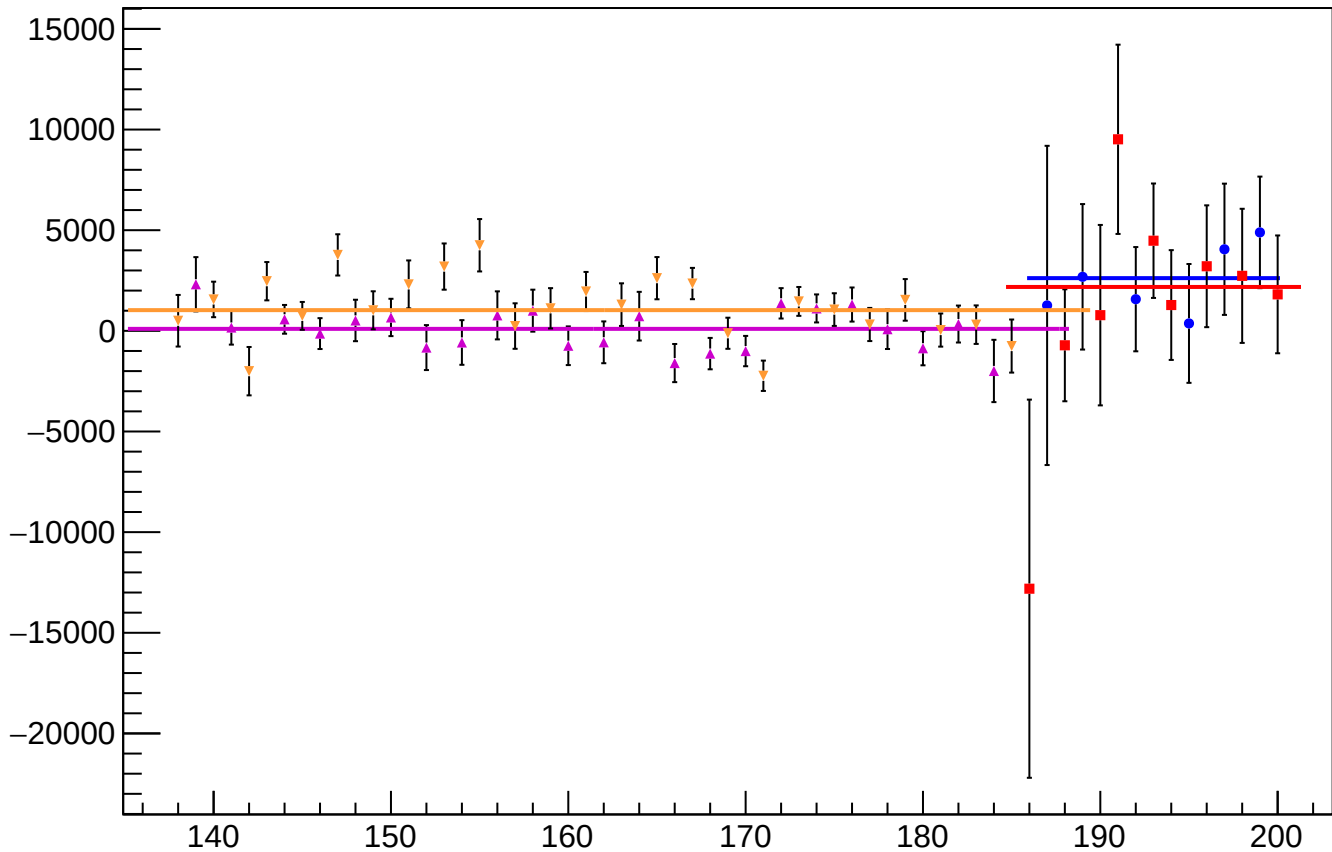
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 817.495 $\pm$ 0.130 χ^2 /NDF: 4880702.7/30

All: 824.620 $\pm$ 0.093 χ^2 /NDF: 11625611.2/62

- sign 832.001 $\pm$ 0.132 χ^2 /NDF: 6738769.9/31

asym_sam_3748_avg_mean vs Slug



Right In: 2618.895 ± 1312.347 χ^2/NDF : 1.6/5

Left Out: 1028.864 ± 186.810 χ^2/NDF : 60.2/24

Right Out: 2180.724 ± 1111.119 χ^2/NDF : 7.1/8

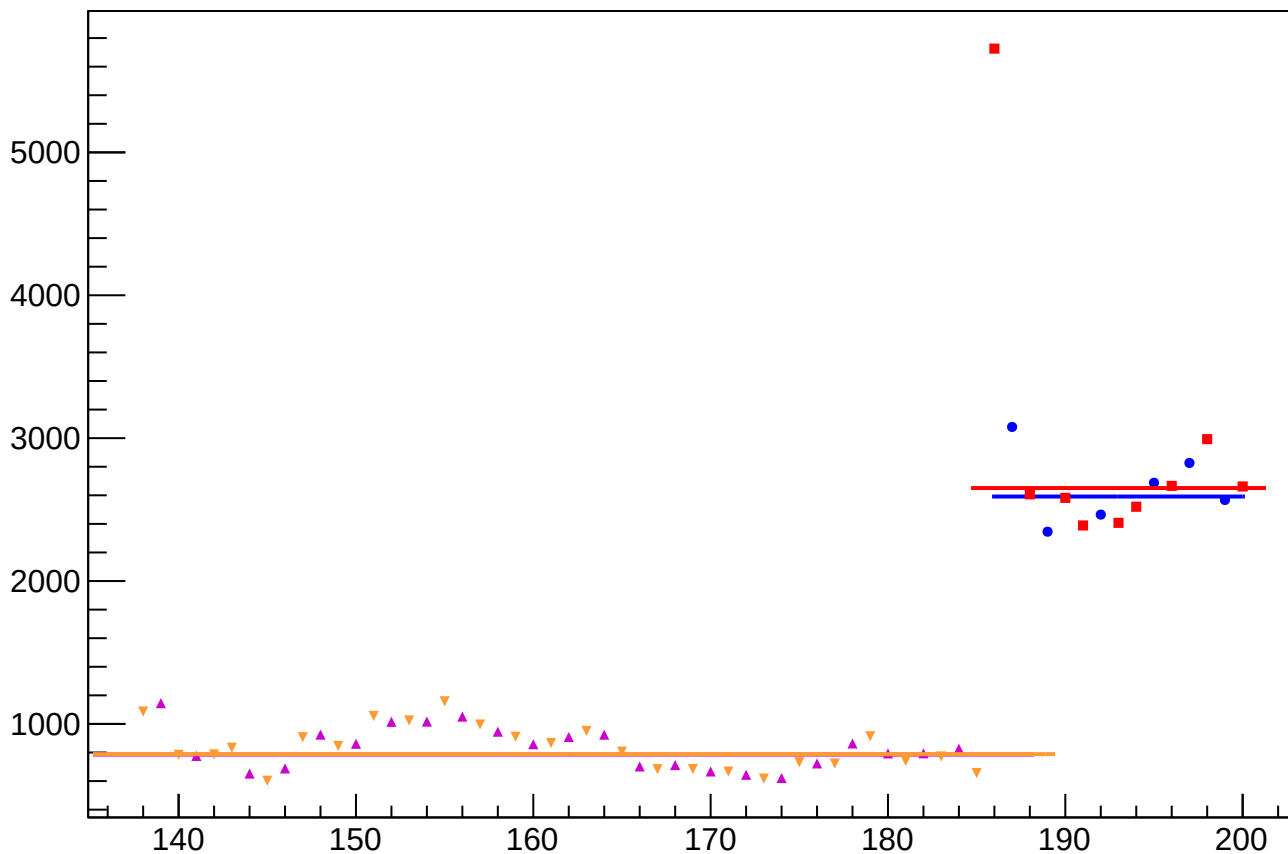
Left In: 98.691 ± 191.027 χ^2/NDF : 25.4/22

+ sign 1060.443 ± 184.946 χ^2/NDF : 63.2/30

All: 617.474 ± 131.934 χ^2/NDF : 110.8/62

- sign 158.464 ± 188.265 χ^2/NDF : 35.9/31

asym_sam_3748_avg_rms vs Slug



Right In: 2591.509+/-0.928 χ^2/NDF : 34265.2/5

Left Out: 788.442+/-0.132 χ^2/NDF : 1113741.6/24

Right Out: 2650.791+/-0.786 χ^2/NDF : 262000.1/8

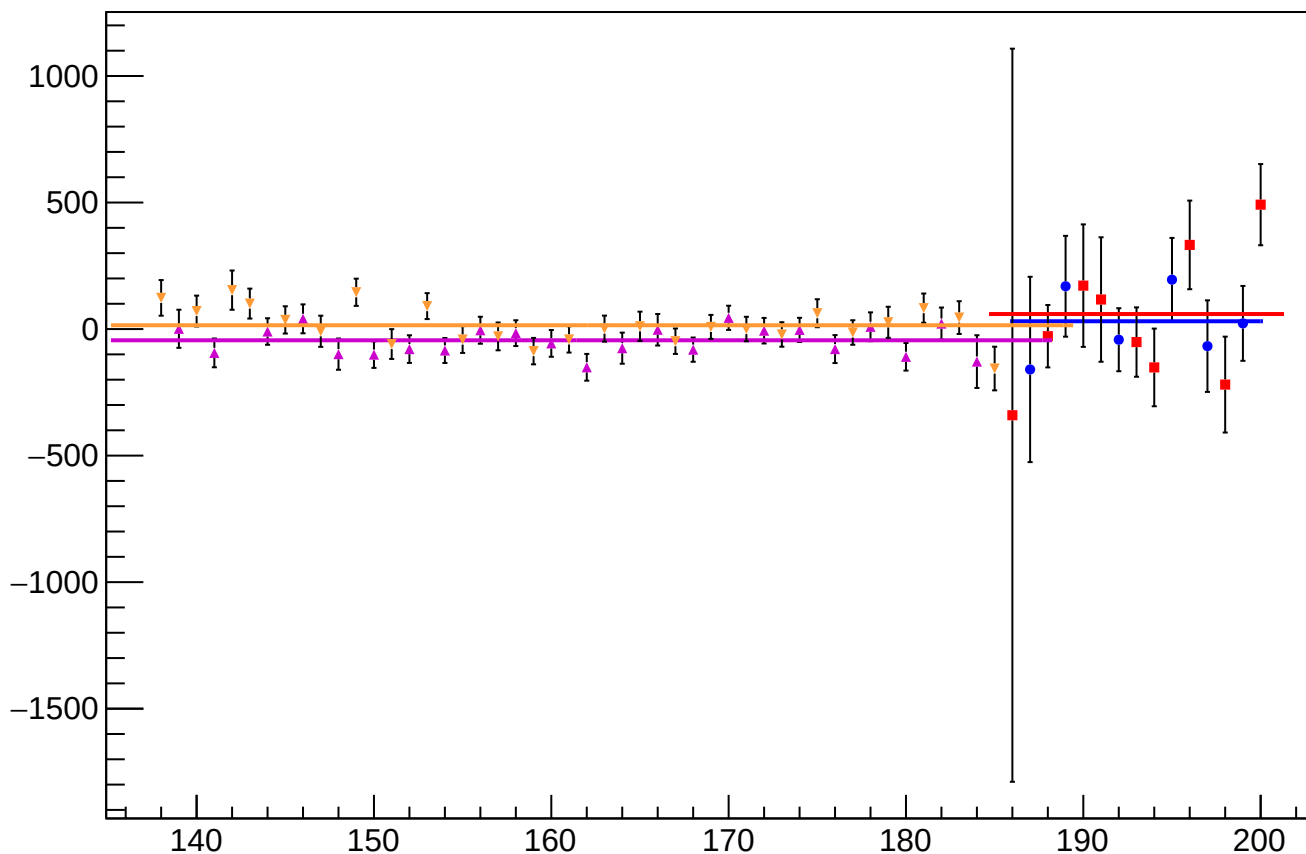
Left In: 785.490+/-0.135 χ^2/NDF : 965338.9/22

+ sign 824.252+/-0.131 χ^2/NDF : 4848370.3/30

All: 831.515+/-0.093 χ^2/NDF : 11556634.9/62

- sign 839.041+/-0.133 χ^2/NDF : 6701983.8/31

reg_asym_sam_1526_avg_mean vs Slug



Right In: 30.894 $\pm$ 68.980 χ^2 /NDF: 2.4/5

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

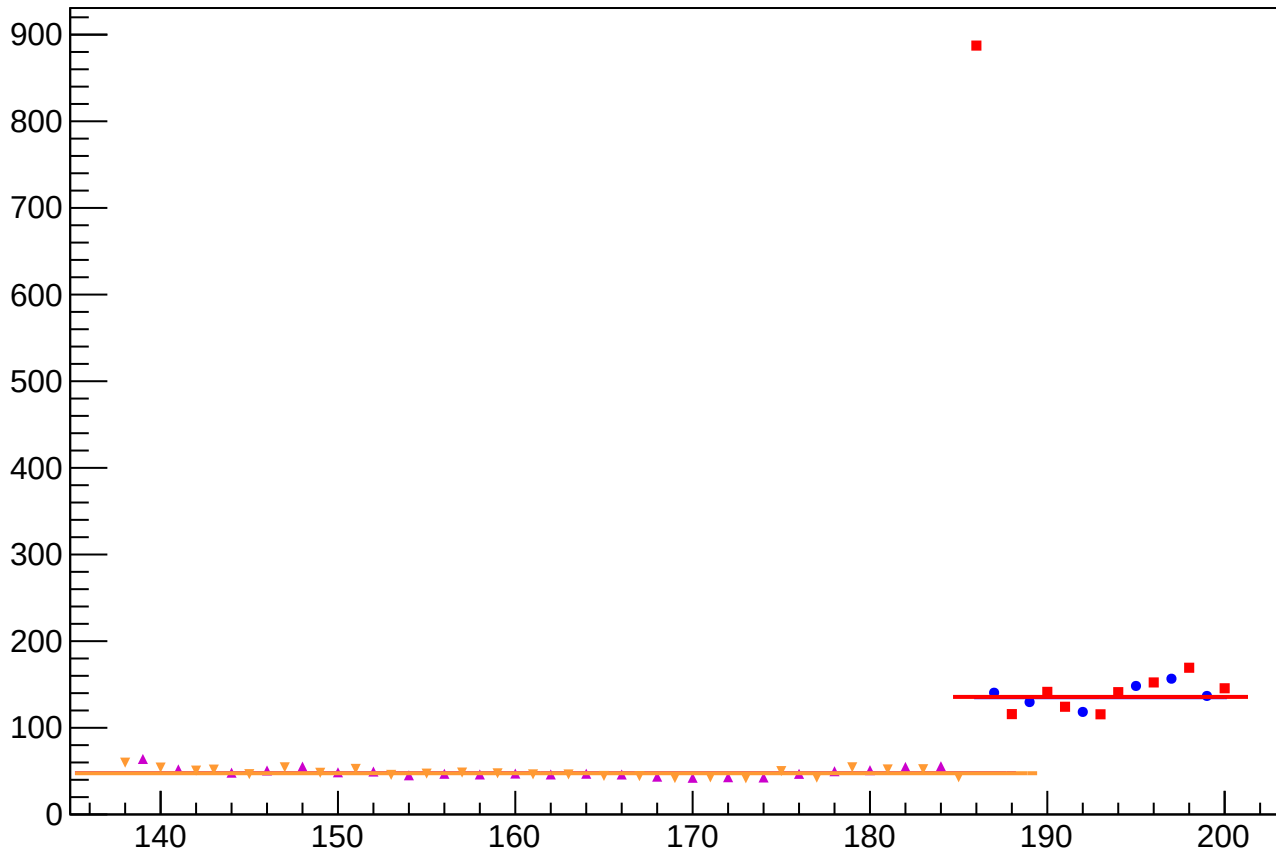
Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 15.502 $\pm$ 11.011 χ^2 /NDF: 36.6/30

All: -11.693 $\pm$ 7.890 χ^2 /NDF: 89.8/62

- sign -40.383 $\pm$ 11.310 χ^2 /NDF: 40.6/31

reg_asym_sam_1526_avg_rms vs Slug



Right In: 135.310 $\pm$ 0.049 χ^2 /NDF: 79670.6/5

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

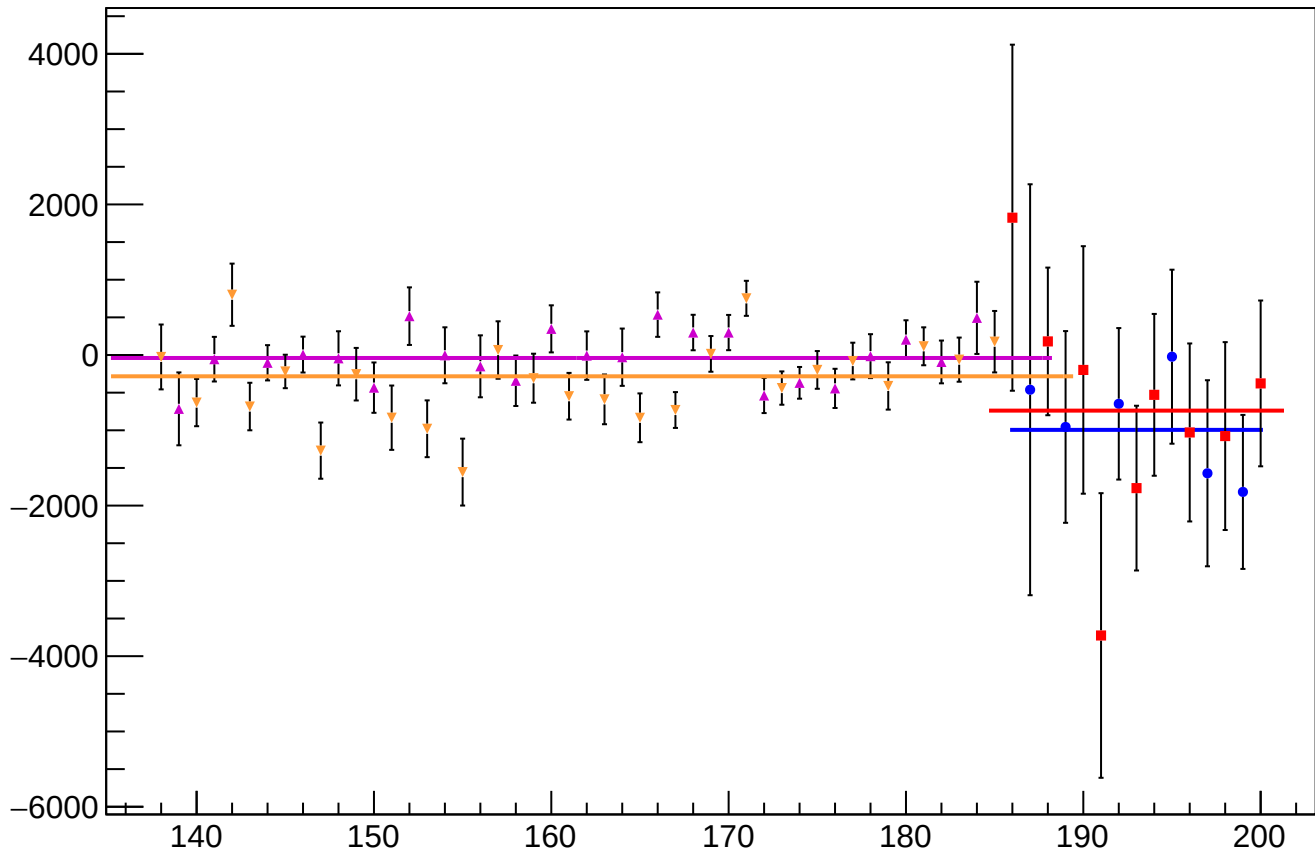
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 49.822 $\pm$ 0.008 χ^2 /NDF: 3544700.7/30

All: 50.473 $\pm$ 0.006 χ^2 /NDF: 8948501.1/62

- sign 51.159 $\pm$ 0.008 χ^2 /NDF: 5389436.9/31

asym_sam_1526_avg_correction_mean vs Slug



Right In: -994.293+/-493.944 χ^2/NDF : 1.7/5

Left Out: -282.798+/-59.690 χ^2/NDF : 66.5/24

Right Out: -738.533+/-416.535 χ^2/NDF : 5.9/8

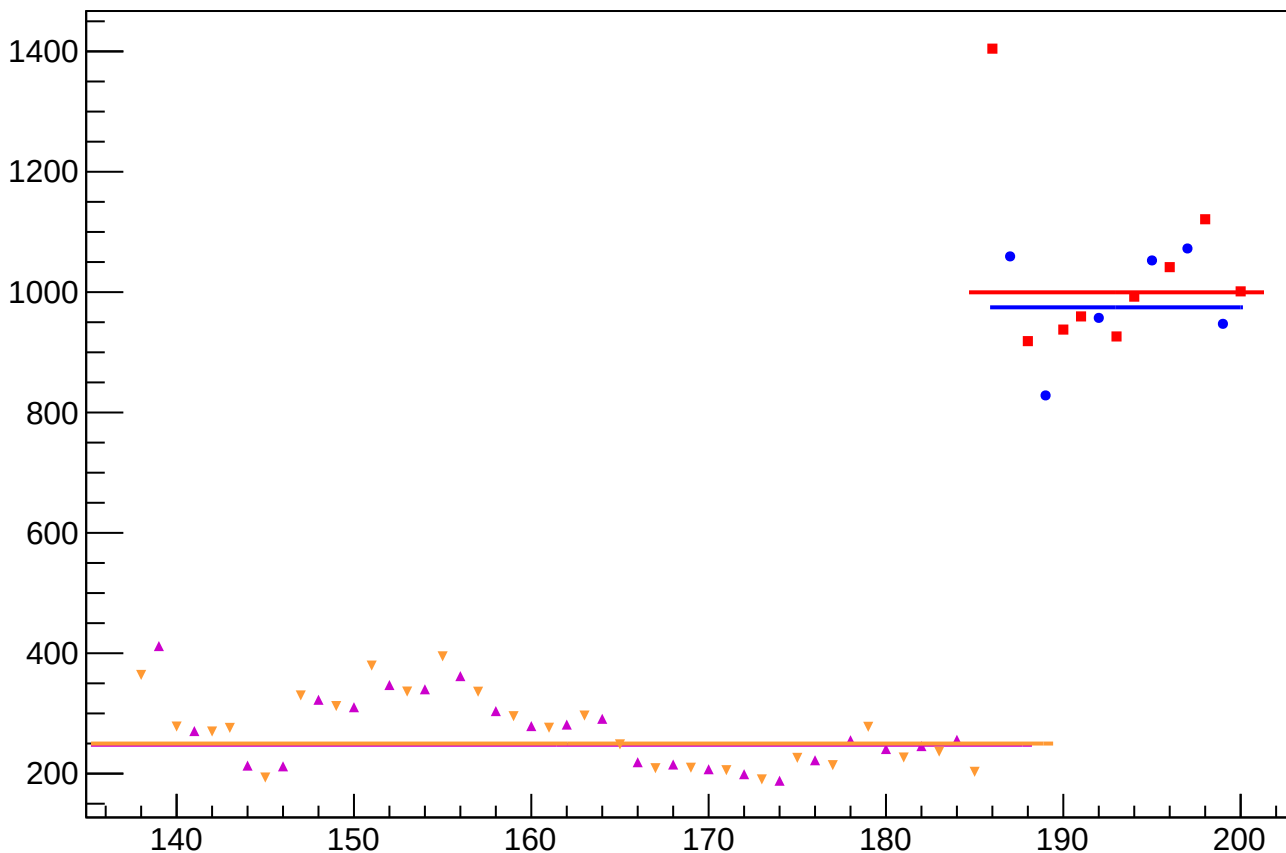
Left In: -39.432+/-60.759 χ^2/NDF : 27.5/22

+ sign -293.039+/-59.259 χ^2/NDF : 70.3/30

All: -175.247+/-42.204 χ^2/NDF : 114.5/62

- sign -53.997+/-60.123 χ^2/NDF : 36.2/31

asym_sam_1526_avg_correction_rms vs Slug



Right In: 974.749 $\pm$ 0.349 χ^2 /NDF: 52013.4/5

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF: 1614205.9/24

Right Out: 999.686 $\pm$ 0.295 χ^2 /NDF: 110006.8/8

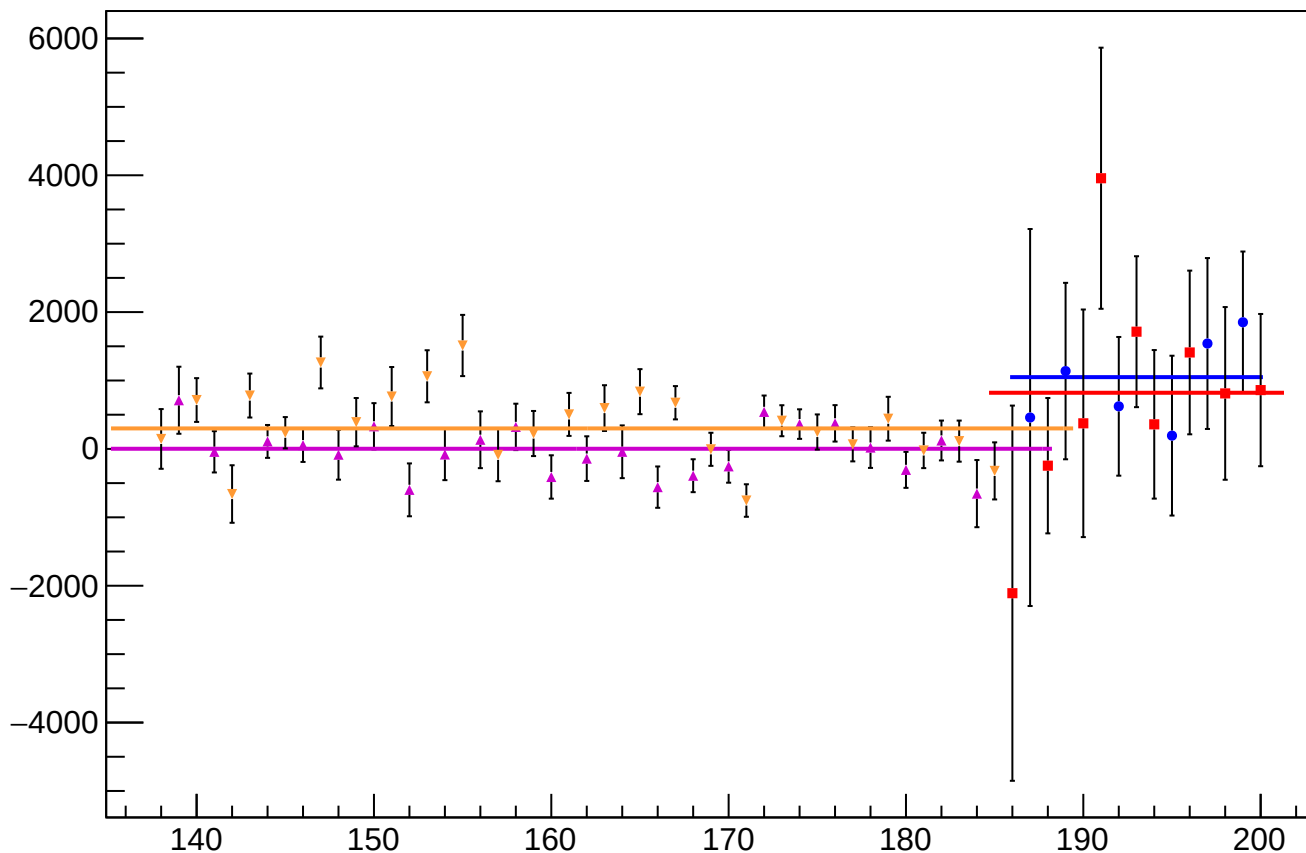
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF: 1410847.5/22

+ sign 260.388 $\pm$ 0.042 χ^2 /NDF: 5910511.8/30

All: 261.961 $\pm$ 0.030 χ^2 /NDF: 13813217.3/62

- sign 263.579 $\pm$ 0.043 χ^2 /NDF: 7899847.9/31

asym_sam_1526_avg_mean vs Slug



Right In: 1049.298 $\pm$ 499.018 χ^2 /NDF: 1.5/5

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF:62.5/24

Right Out: 820.815 $\pm$ 422.787 χ^2 /NDF: 6.2/8

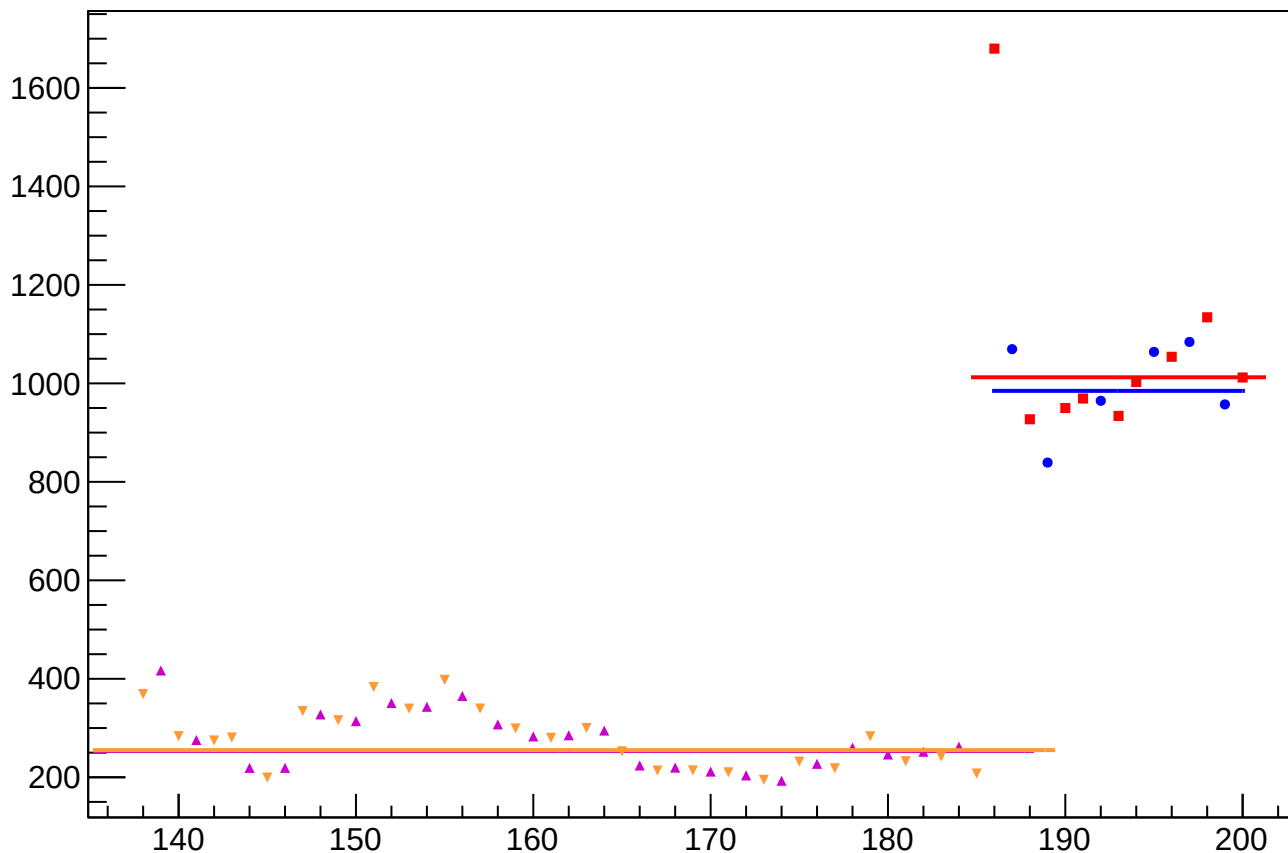
Left In: 2.185 $\pm$ 62.005 χ^2 /NDF:29.2/22

+ sign 310.550 $\pm$ 60.412 χ^2 /NDF: 66.2/30

All: 167.225 $\pm$ 43.045 χ^2 /NDF: 116.6/62

- sign 19.422 $\pm$ 61.348 χ^2 /NDF: 39.0/31

asym_sam_1526_avg_rms vs Slug



Right In: 984.768 ± 0.353 $\chi^2/\text{NDF}: 51456.8/5$

Left Out: 255.135 ± 0.043 $\chi^2/\text{NDF}: 1542039.5/24$

Right Out: 1012.340 ± 0.299 $\chi^2/\text{NDF}: 168494.4/8$

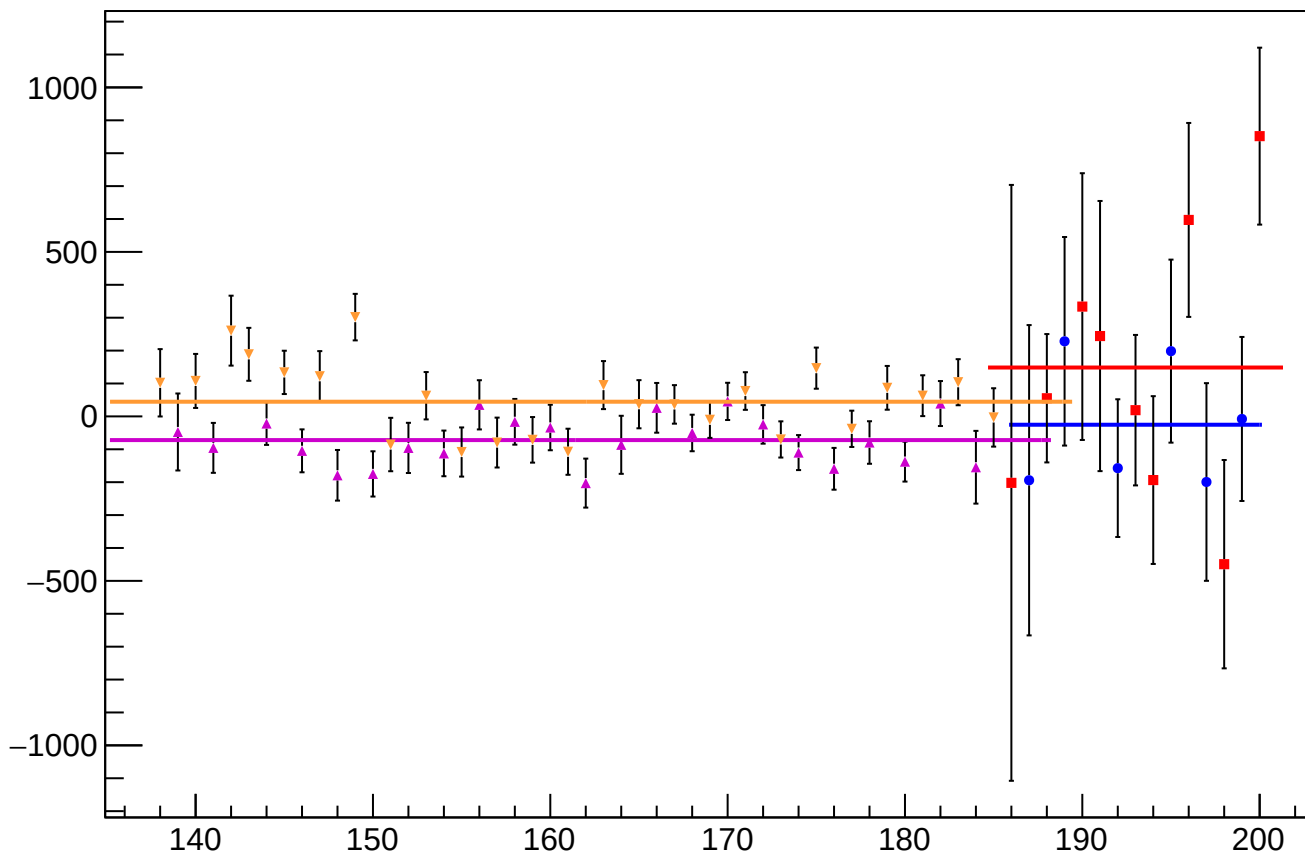
Left In: 253.287 ± 0.044 $\chi^2/\text{NDF}: 1341662.3/22$

+ sign 265.829 ± 0.043 $\chi^2/\text{NDF}: 5806517.9/30$

All: 267.523 ± 0.030 $\chi^2/\text{NDF}: 13630734.0/62$

- sign 269.270 ± 0.043 $\chi^2/\text{NDF}: 7821022.1/31$

reg_asym_sam_3726_avg_mean vs Slug



Right In: -25.367 ± 113.696 χ^2/NDF : 2.2/5

Left Out: 44.602 ± 13.824 χ^2/NDF : 53.9/24

Right Out: 148.551 ± 95.648 χ^2/NDF : 15.5/8

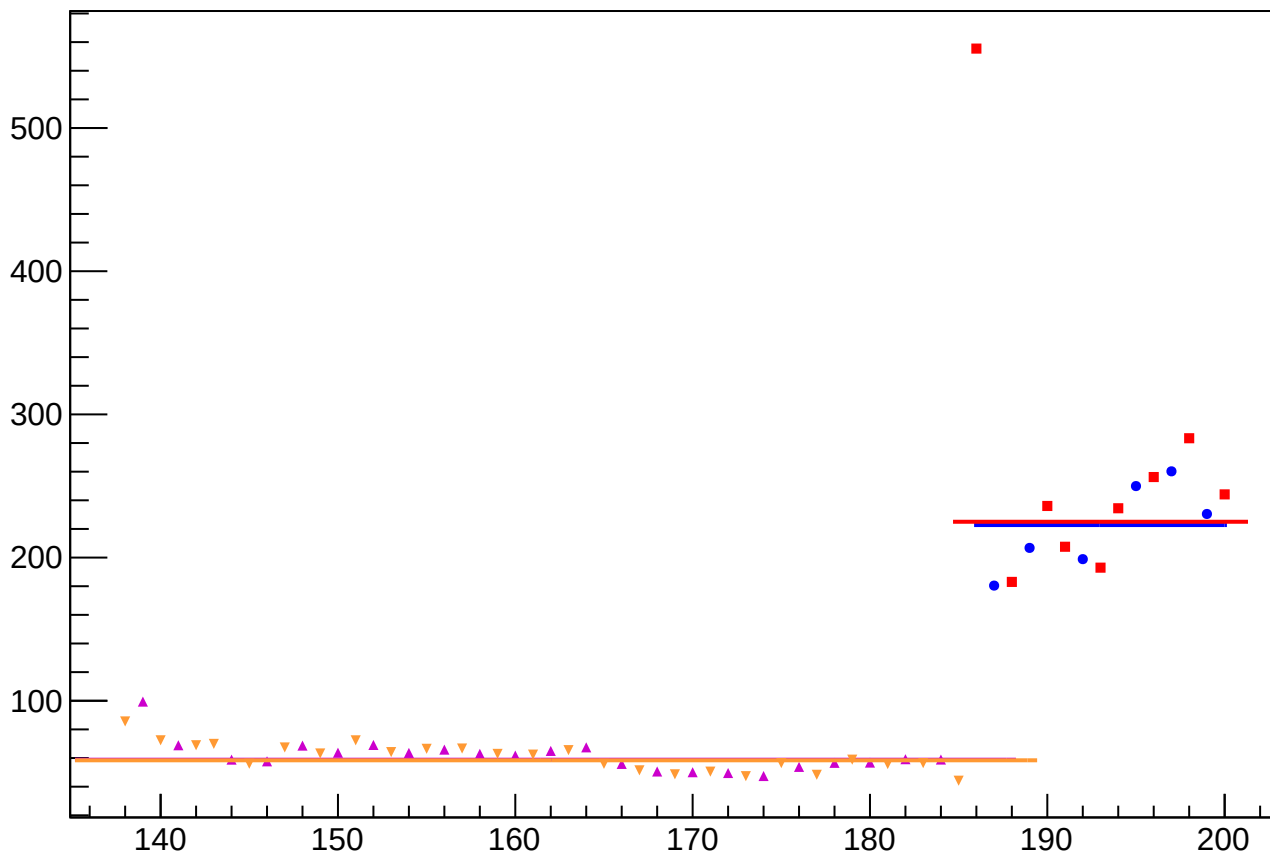
Left In: -72.037 ± 14.296 χ^2/NDF : 25.3/22

+ sign 43.583 ± 13.723 χ^2/NDF : 56.4/30

All: -10.163 ± 9.848 χ^2/NDF : 134.0/62

- sign -67.217 ± 14.139 χ^2/NDF : 46.0/31

reg_asym_sam_3726_avg_rms vs Slug



Right In: 222.719 ± 0.080 χ^2/NDF : 99277.7/5

Left Out: 58.423 ± 0.010 χ^2/NDF : 790091.3/24

Right Out: 225.021 ± 0.068 χ^2/NDF : 506528.1/8

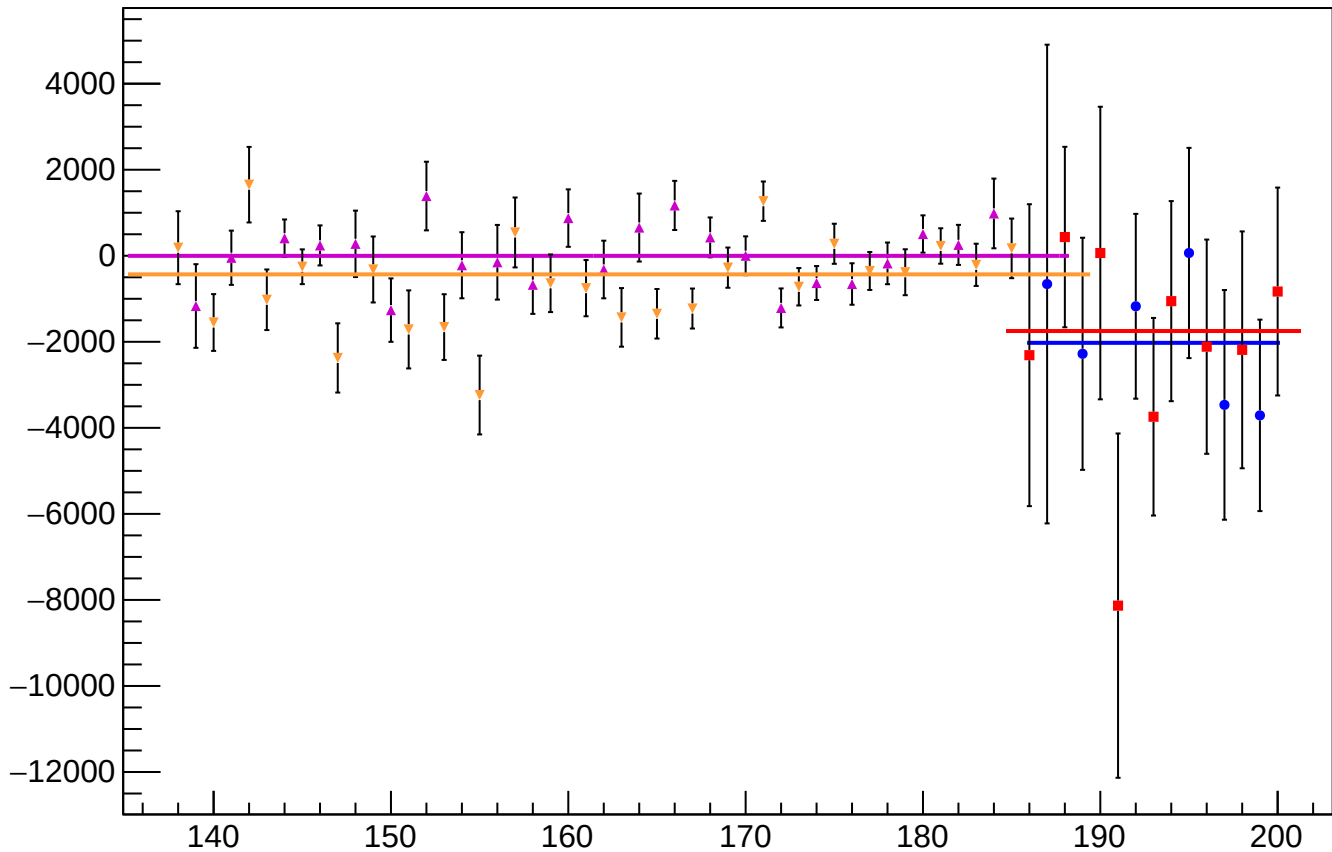
Left In: 58.840 ± 0.010 χ^2/NDF : 679925.7/22

+ sign 60.816 ± 0.010 χ^2/NDF : 5004841.4/30

All: 61.619 ± 0.007 χ^2/NDF : 12110818.4/62

- sign 62.471 ± 0.010 χ^2/NDF : 7091869.5/31

asym_sam_3726_avg_correction_mean vs Slug



Right In: -2023.772+/-1056.372 χ^2/NDF : 1.8/5

Left Out: -432.330+/-114.408 χ^2/NDF : 59.4/24

Right Out: -1749.068+/-878.315 χ^2/NDF : 5.0/8

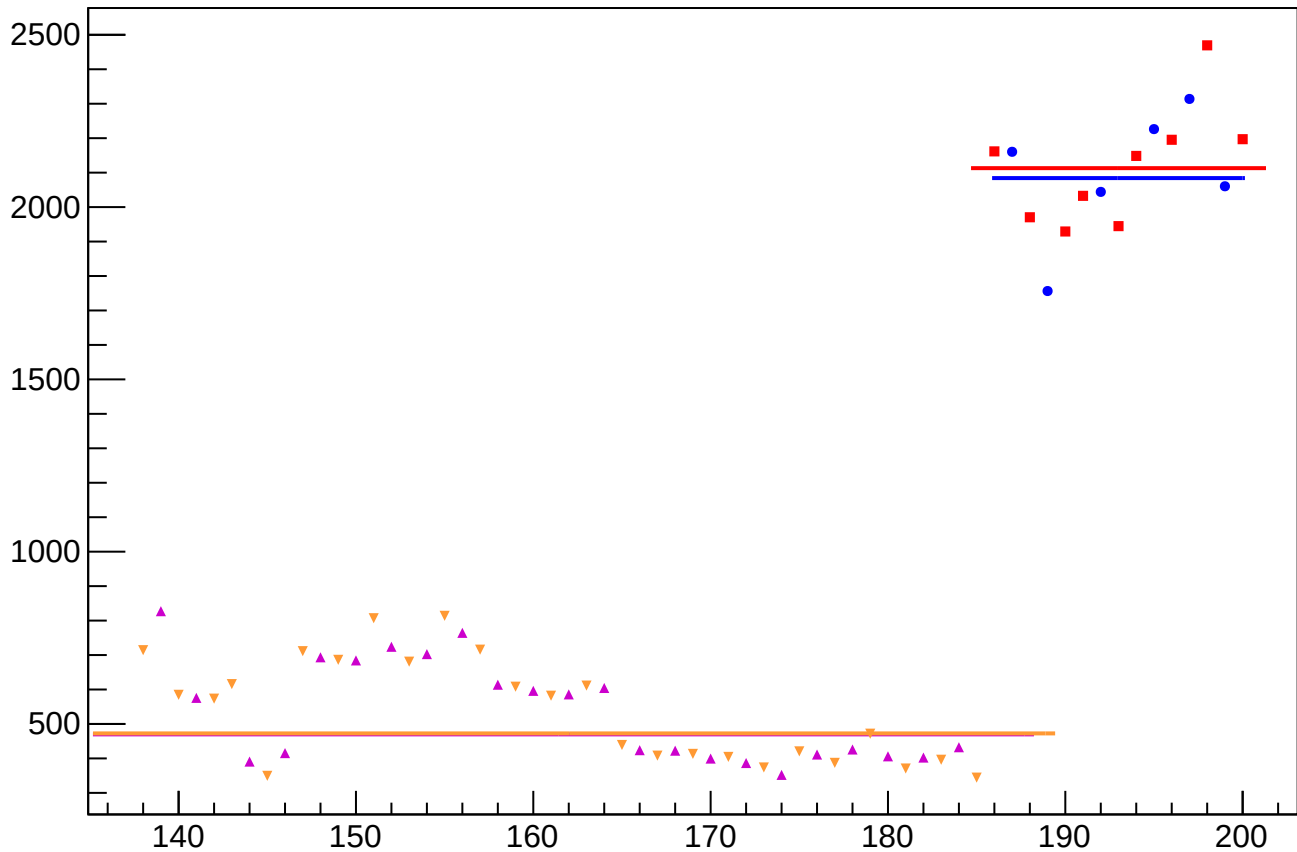
Left In: -1.825+/-116.459 χ^2/NDF : 32.3/22

+ sign -450.780+/-113.743 χ^2/NDF : 63.5/30

All: -244.513+/-81.025 χ^2/NDF : 111.3/62

- sign -32.013+/-115.448 χ^2/NDF : 41.2/31

asym_sam_3726_avg_correction_rms vs Slug



Right In: 2084.192+/-0.747 χ^2/NDF : 52400.2/5

Left Out: 472.569+/-0.081 χ^2/NDF : 2508168.9/24

Right Out: 2113.024+/-0.621 χ^2/NDF : 65599.0/8

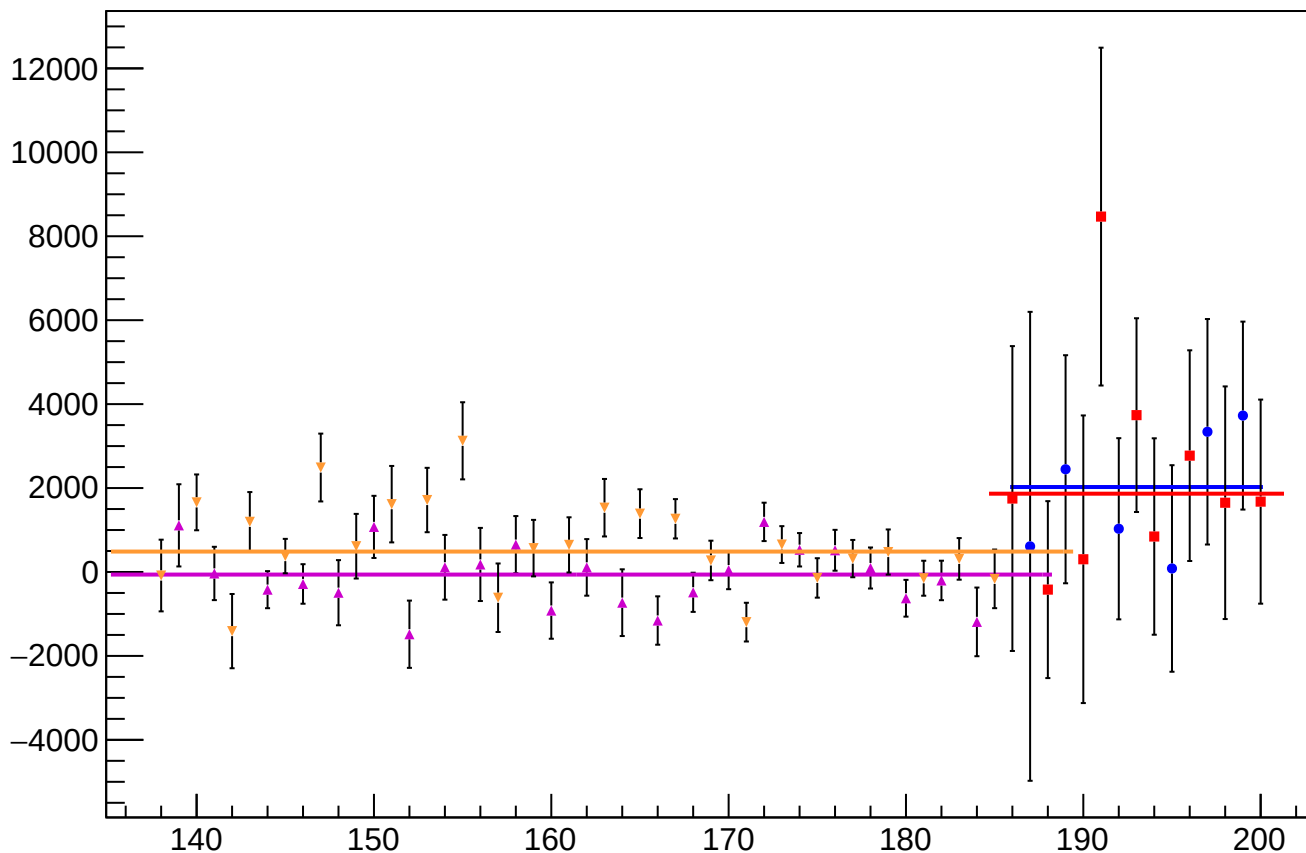
Left In: 469.761+/-0.082 χ^2/NDF : 2116885.7/22

+ sign 491.253+/-0.080 χ^2/NDF : 7161633.0/30

All: 494.651+/-0.057 χ^2/NDF : 16227527.1/62

- sign 498.152+/-0.082 χ^2/NDF : 9062269.7/31

asym_sam_3726_avg_mean vs Slug



Right In: 2024.412 ± 1062.885 $\chi^2/\text{NDF}: 1.7/5$

Left Out: 486.645 ± 115.346 $\chi^2/\text{NDF}: 56.0/24$

Right Out: 1865.671 ± 885.282 $\chi^2/\text{NDF}: 5.1/8$

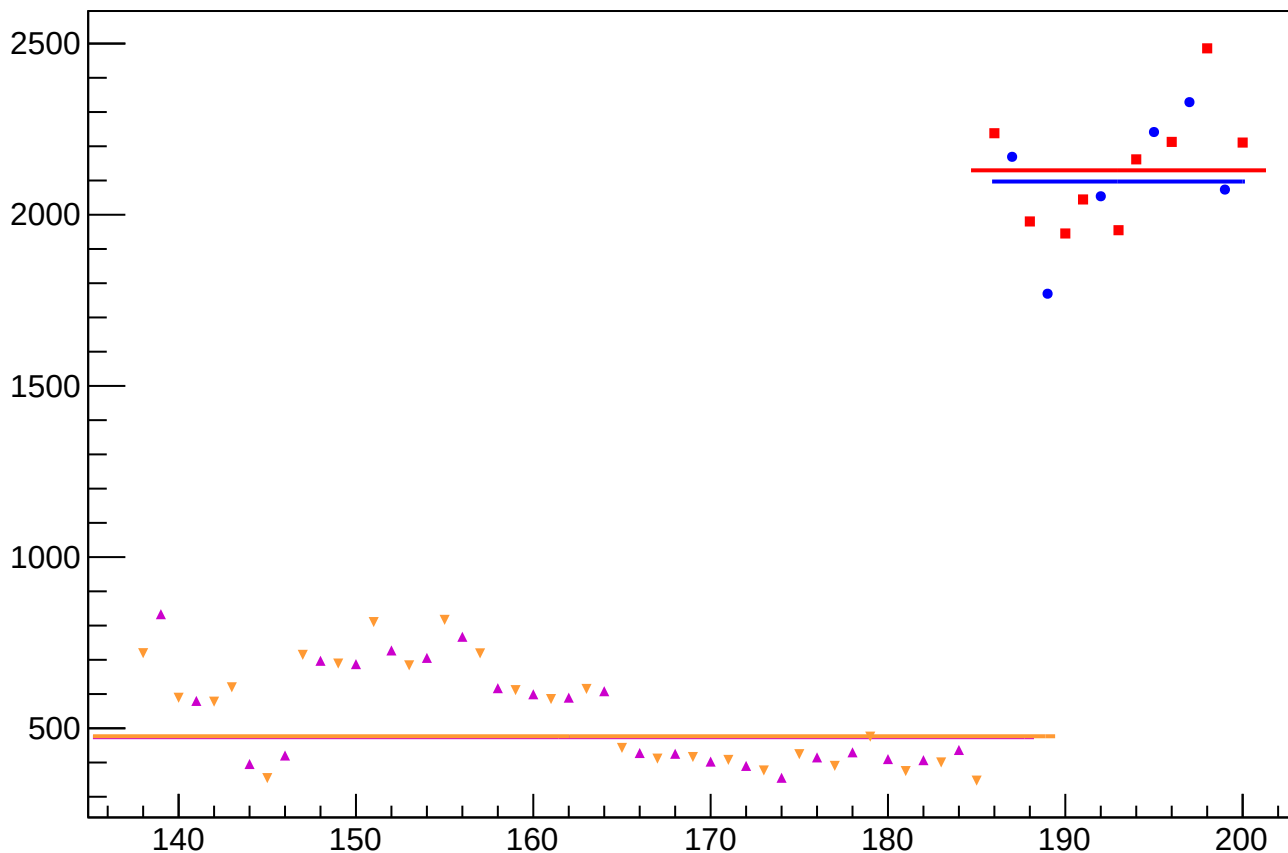
Left In: -61.775 ± 117.449 $\chi^2/\text{NDF}: 31.2/22$

+ sign 504.545 ± 114.673 $\chi^2/\text{NDF}: 59.8/30$

All: 242.103 ± 81.700 $\chi^2/\text{NDF}: 111.3/62$

- sign -28.437 ± 116.429 $\chi^2/\text{NDF}: 40.9/31$

asym_sam_3726_avg_rms vs Slug



Right In: 2097.037 $\pm$ 0.752 χ^2 /NDF: 52238.8/5

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF: 2472737.6/24

Right Out: 2129.708 $\pm$ 0.626 χ^2 /NDF: 67824.8/8

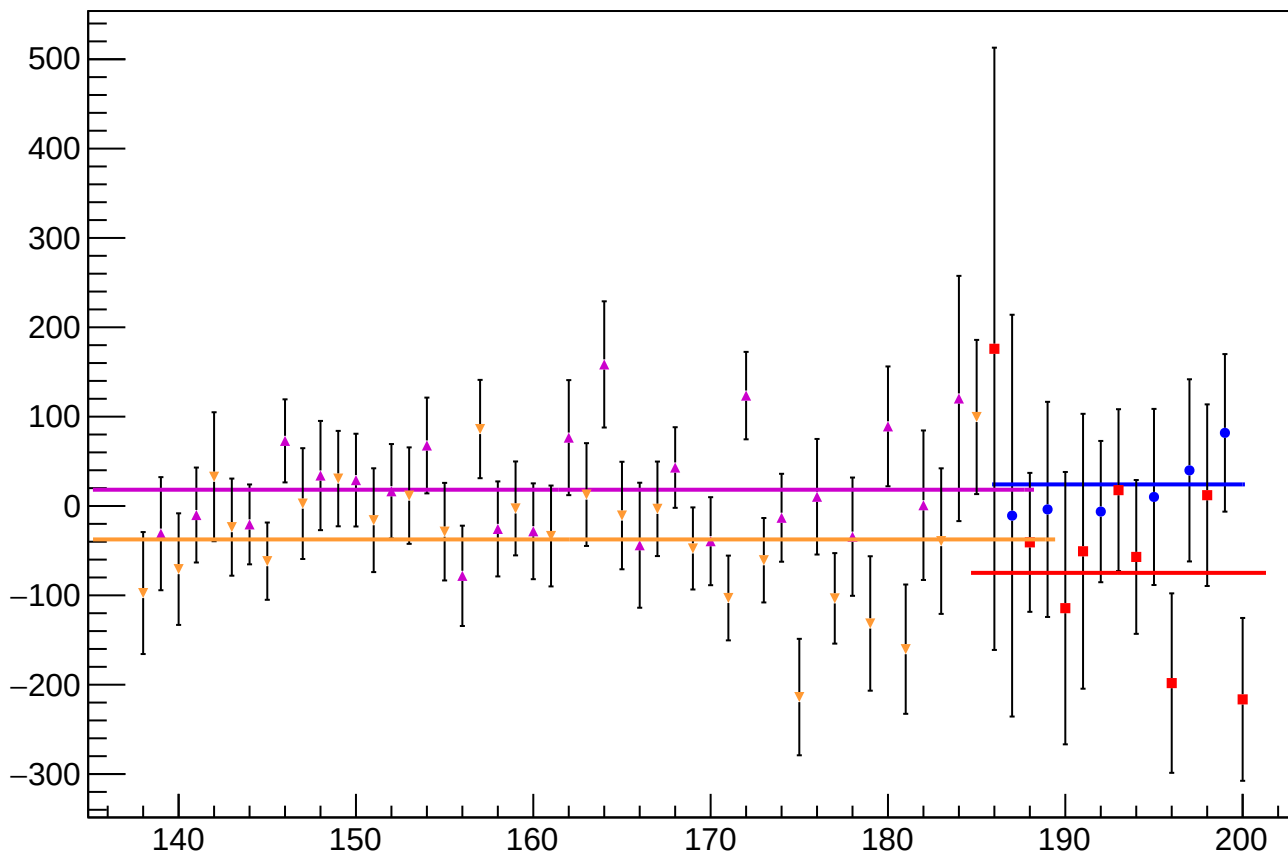
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF: 2087113.7/22

+ sign 495.551 $\pm$ 0.081 χ^2 /NDF: 7118950.7/30

All: 499.032 $\pm$ 0.058 χ^2 /NDF: 16152523.1/62

- sign 502.622 $\pm$ 0.082 χ^2 /NDF: 9029828.0/31

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 24.164 $\pm$ 41.645 χ^2 /NDF: 0.7/5

Left Out: -37.413 $\pm$ 11.390 χ^2 /NDF:30.5/24

Right Out: -74.837 $\pm$ 34.654 χ^2 /NDF: 6.6/8

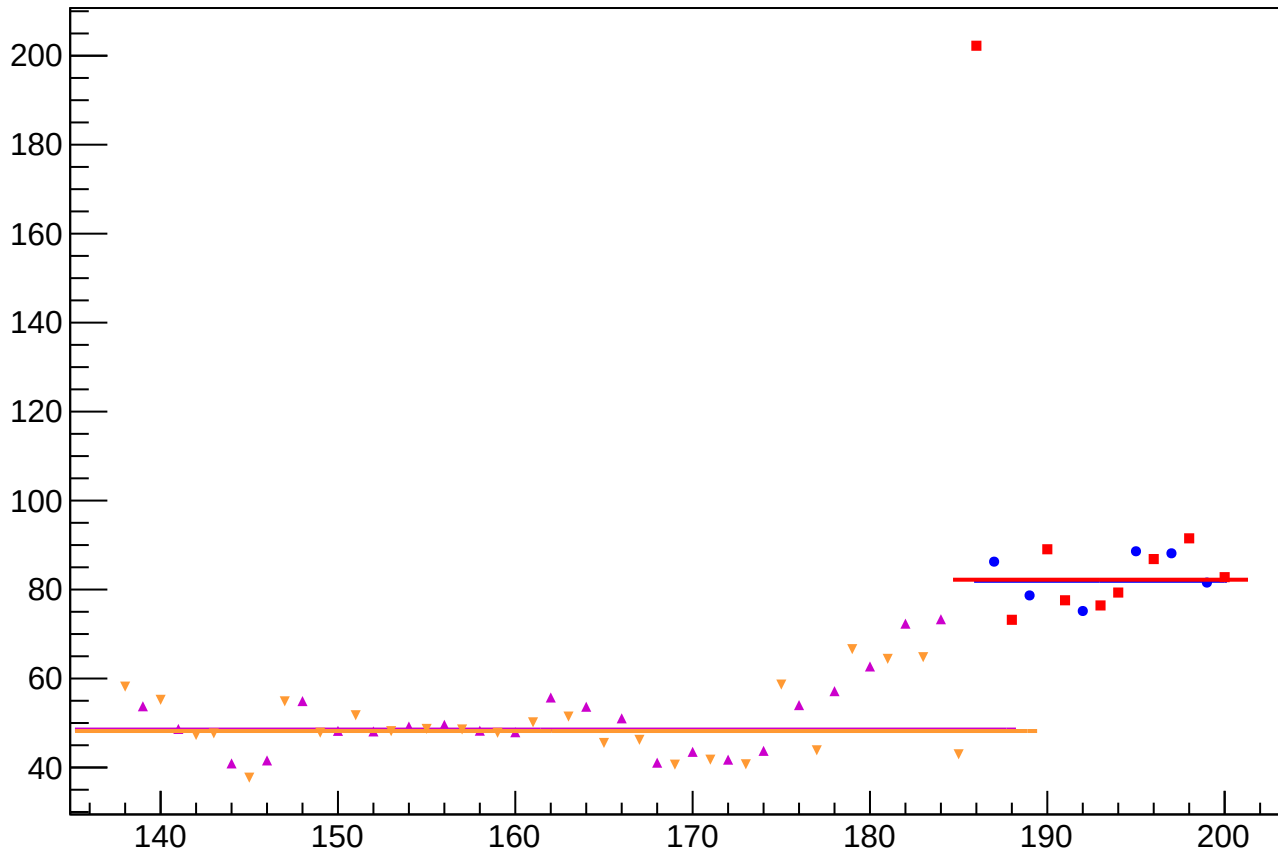
Left In: 18.210 $\pm$ 11.788 χ^2 /NDF:23.0/22

+ sign -33.127 $\pm$ 10.986 χ^2 /NDF: 33.2/30

All: -12.610 $\pm$ 7.829 χ^2 /NDF: 76.3/62

- sign 8.561 $\pm$ 11.160 χ^2 /NDF: 36.0/31

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 81.965+/-0.029 χ^2/NDF : 33439.4/5

Left Out: 48.200+/-0.008 χ^2/NDF : 750196.2/24

Right Out: 82.212+/-0.025 χ^2/NDF : 317897.0/8

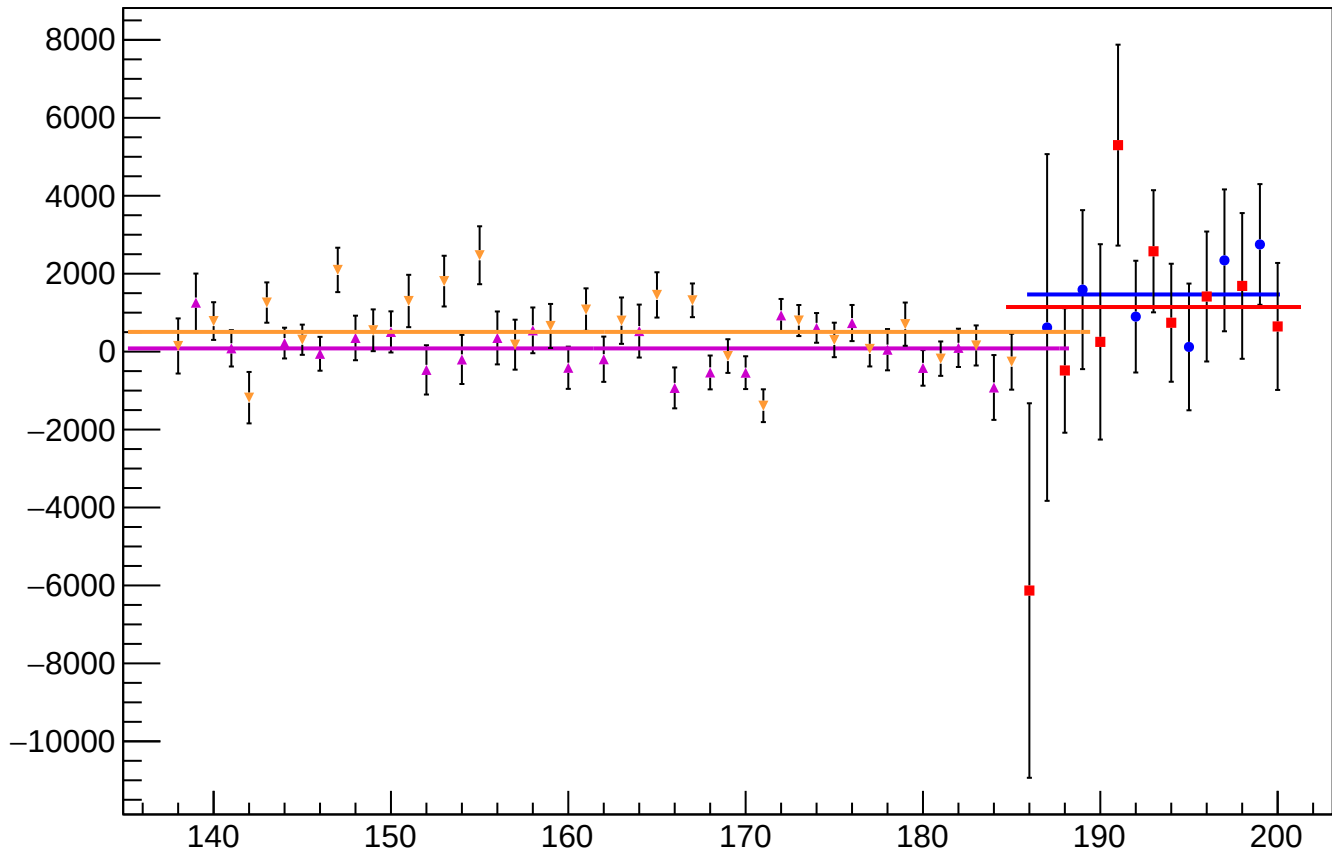
Left In: 48.527+/-0.008 χ^2/NDF : 675340.8/22

+ sign 50.549+/-0.008 χ^2/NDF : 2006866.6/30

All: 51.273+/-0.006 χ^2/NDF : 4711475.2/62

- sign 52.020+/-0.008 χ^2/NDF : 2686971.5/31

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1467.144+/-730.417 χ^2/NDF : 1.8/5

Left Out: 506.205+/-103.468 χ^2/NDF : 65.7/24

Right Out: 1144.663+/-618.925 χ^2/NDF : 7.2/8

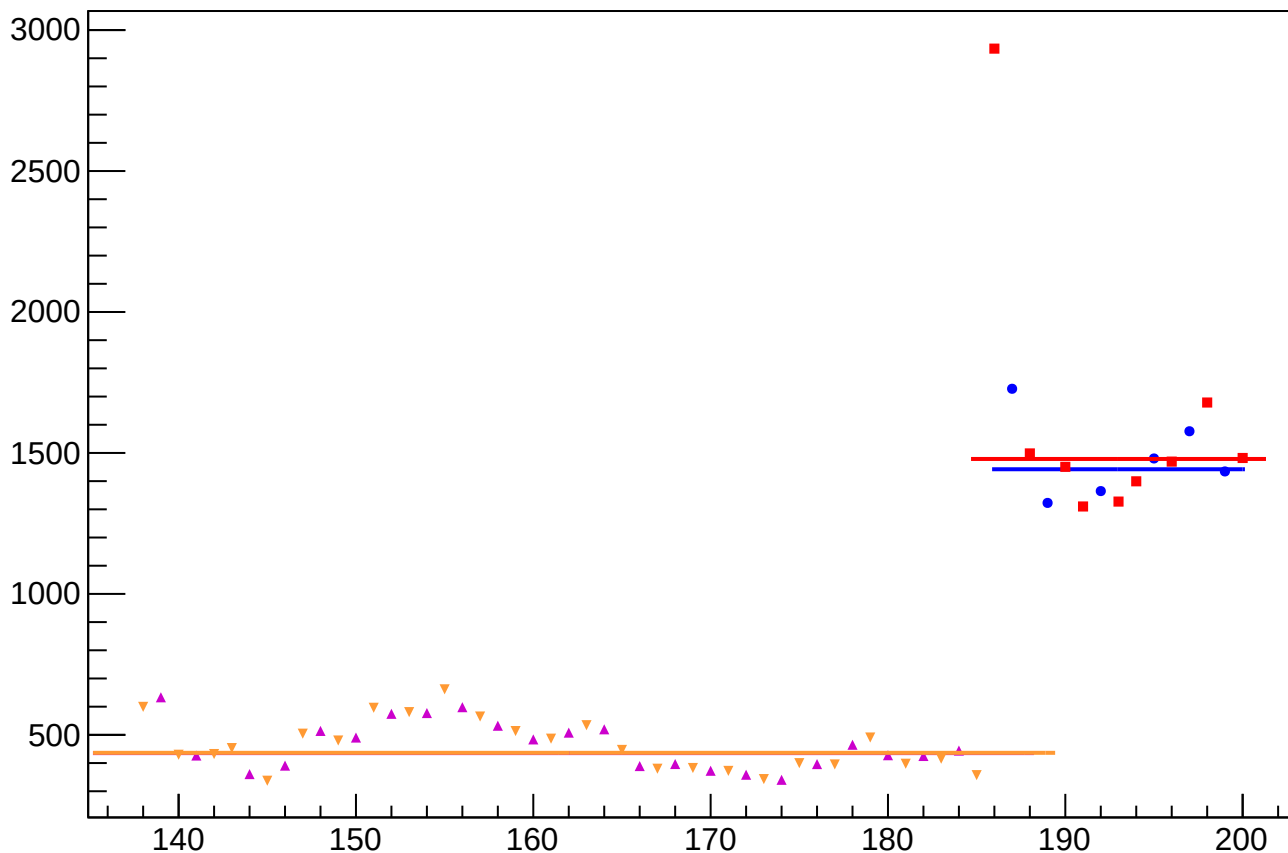
Left In: 82.421+/-105.935 χ^2/NDF : 25.3/22

+ sign 525.108+/-102.445 χ^2/NDF : 69.2/30

All: 322.813+/-73.127 χ^2/NDF : 112.5/62

- sign 112.654+/-104.417 χ^2/NDF : 35.4/31

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1442.160 $\pm$ 0.516 χ^2 /NDF: 33048.3/5

Left Out: 436.301 $\pm$ 0.073 χ^2 /NDF: 1179348.4/24

Right Out: 1478.665 $\pm$ 0.438 χ^2 /NDF: 239673.7/8

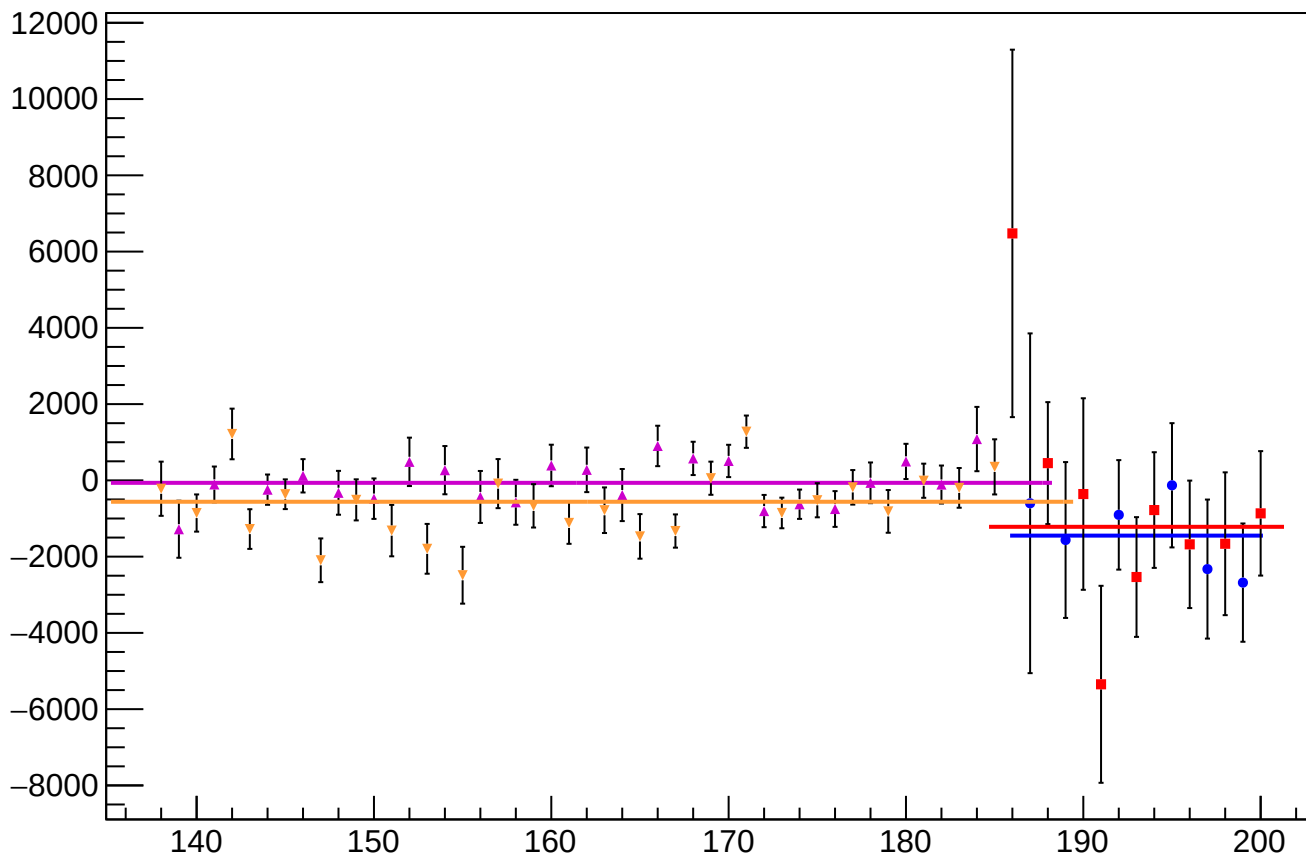
Left In: 435.275 $\pm$ 0.075 χ^2 /NDF: 1027713.1/22

+ sign 456.088 $\pm$ 0.072 χ^2 /NDF: 4930605.2/30

All: 460.445 $\pm$ 0.052 χ^2 /NDF: 11727510.0/62

- sign 464.972 $\pm$ 0.074 χ^2 /NDF: 6789528.4/31

asym_sam_15_48_dd_mean vs Slug



Right In: -1448.821 ± 731.679 χ^2/NDF : 1.7/5

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -1217.925 ± 620.004 χ^2/NDF : 7.3/8

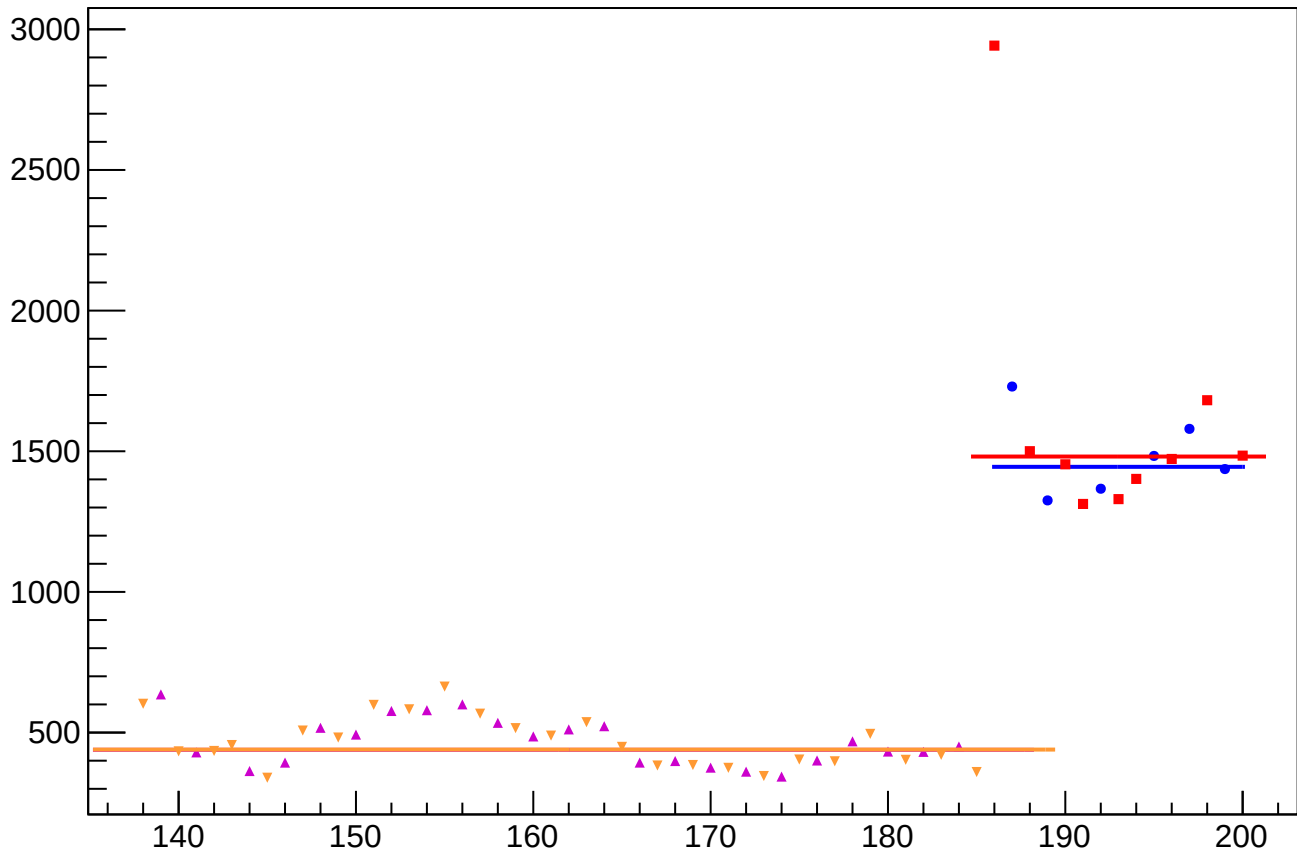
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -578.341 ± 103.166 χ^2/NDF : 64.9/30

All: -342.660 ± 73.645 χ^2/NDF : 111.4/62

- sign -97.774 ± 105.161 χ^2/NDF : 35.8/31

asym_sam_15_48_dd_rms vs Slug



Right In: 1444.655+/-0.517 χ^2/NDF : 33057.4/5

Left Out: 439.527+/-0.074 χ^2/NDF : 1163352.8/24

Right Out: 1481.240+/-0.438 χ^2/NDF : 239841.8/8

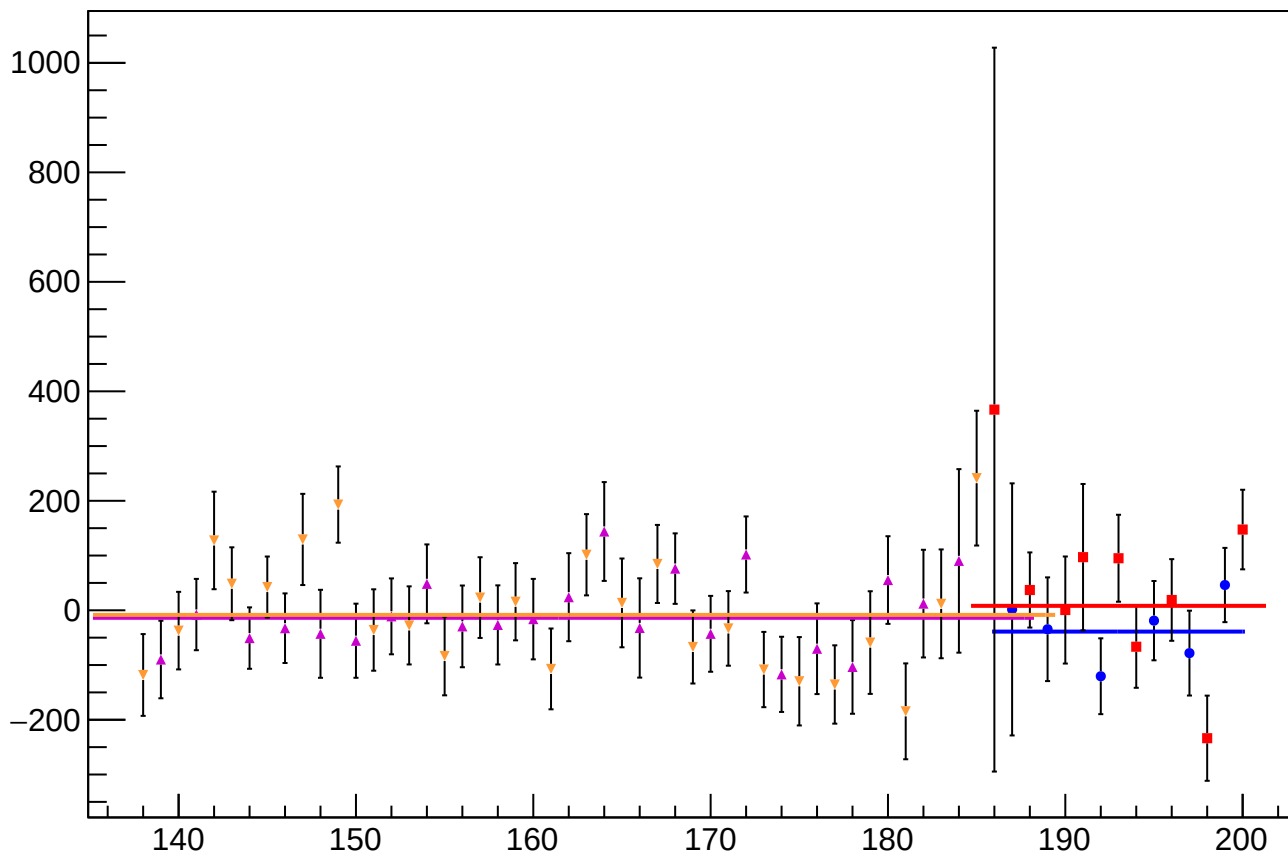
Left In: 438.548+/-0.075 χ^2/NDF : 1013071.4/22

+ sign 459.510+/-0.073 χ^2/NDF : 4895633.2/30

All: 463.941+/-0.052 χ^2/NDF : 11649915.9/62

- sign 468.545+/-0.074 χ^2/NDF : 6746759.5/31

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -38.918 ± 33.093 χ^2/NDF : 3.3/5

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 8.132 ± 28.338 χ^2/NDF : 16.5/8

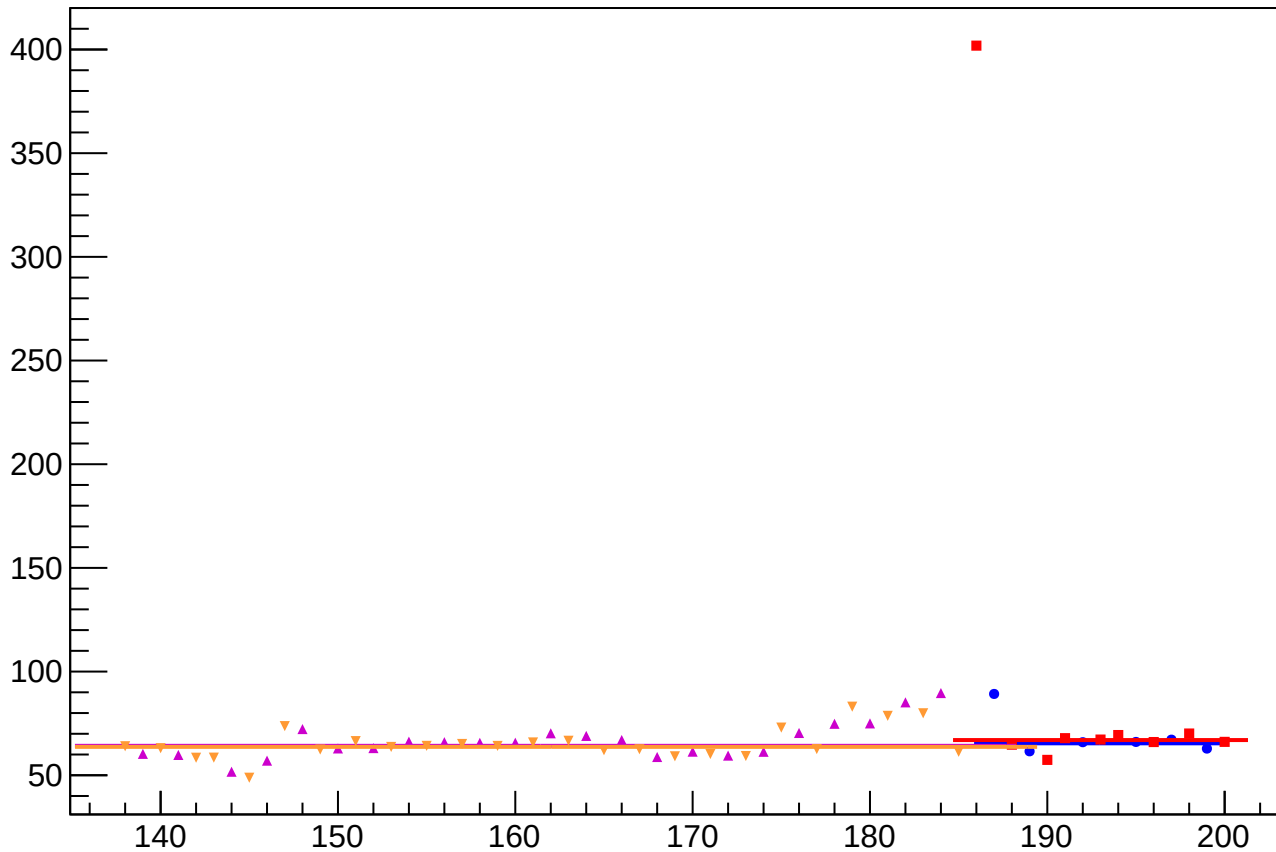
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -13.577 ± 13.613 χ^2/NDF : 45.6/30

All: -11.134 ± 9.615 χ^2/NDF : 78.9/62

- sign -8.701 ± 13.584 χ^2/NDF : 33.2/31

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 65.401 $\pm$ 0.023 χ^2 /NDF: 28836.0/5

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

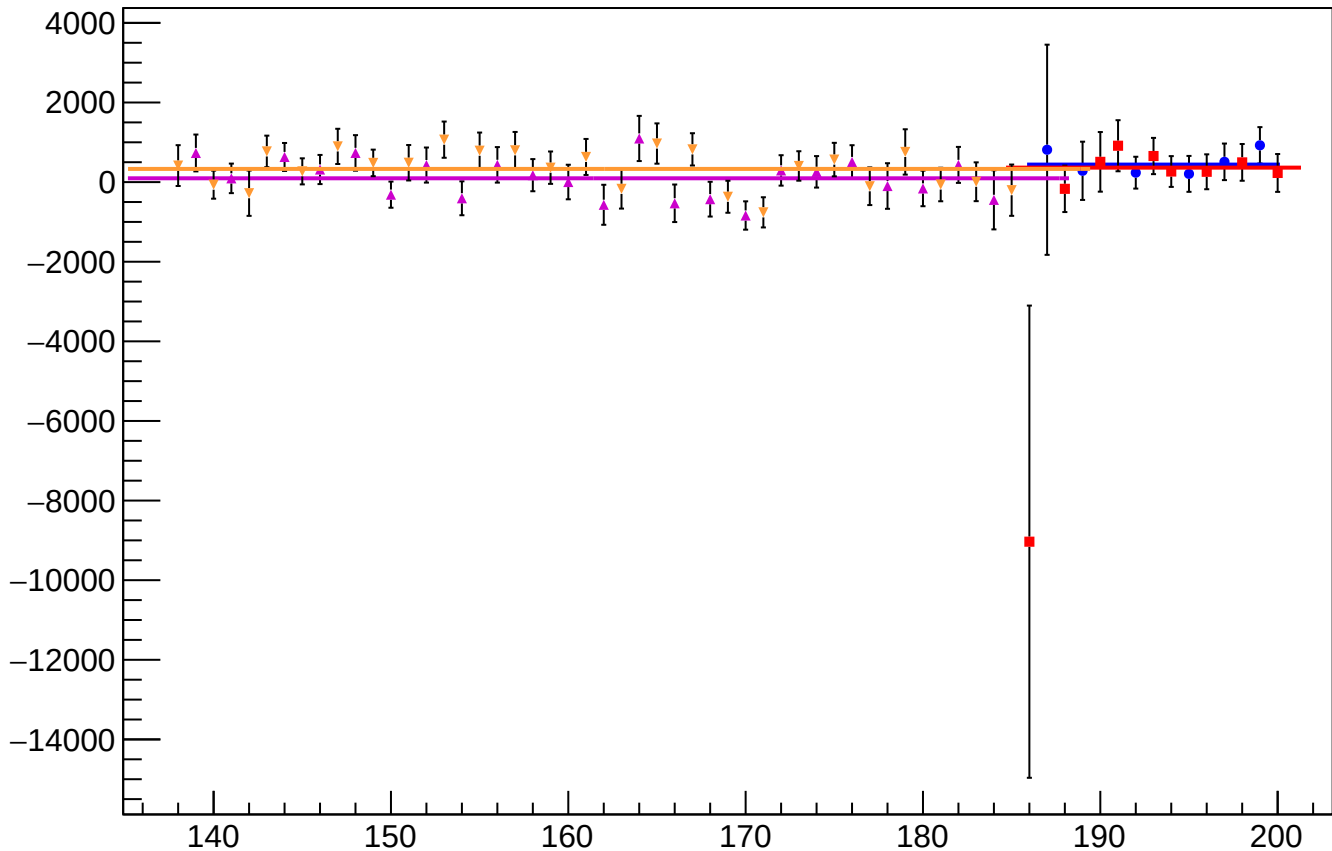
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.985 $\pm$ 0.010 χ^2 /NDF: 481687.1/30

All: 64.407 $\pm$ 0.007 χ^2 /NDF: 1470403.3/62

- sign 64.828 $\pm$ 0.010 χ^2 /NDF: 984866.9/31

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 440.105 $\pm$ 209.800 χ^2 /NDF: 1.7/5

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

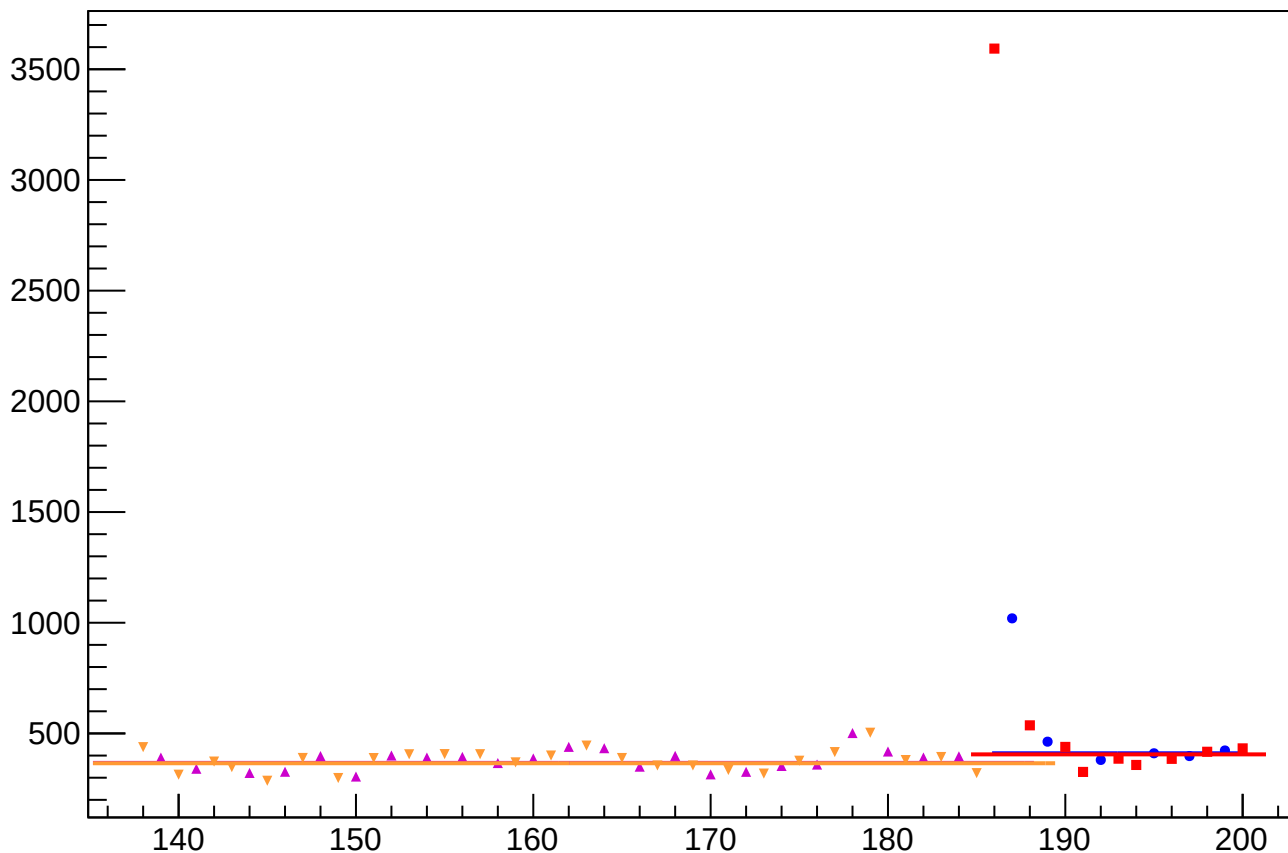
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF: 28.7/22

+ sign 347.350 $\pm$ 79.630 χ^2 /NDF: 31.9/30

All: 248.445 $\pm$ 56.082 χ^2 /NDF: 70.3/62

- sign 151.105 $\pm$ 78.998 χ^2 /NDF: 35.4/31

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 410.277 $\pm$ 0.148 χ^2 /NDF: 131203.1/5

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

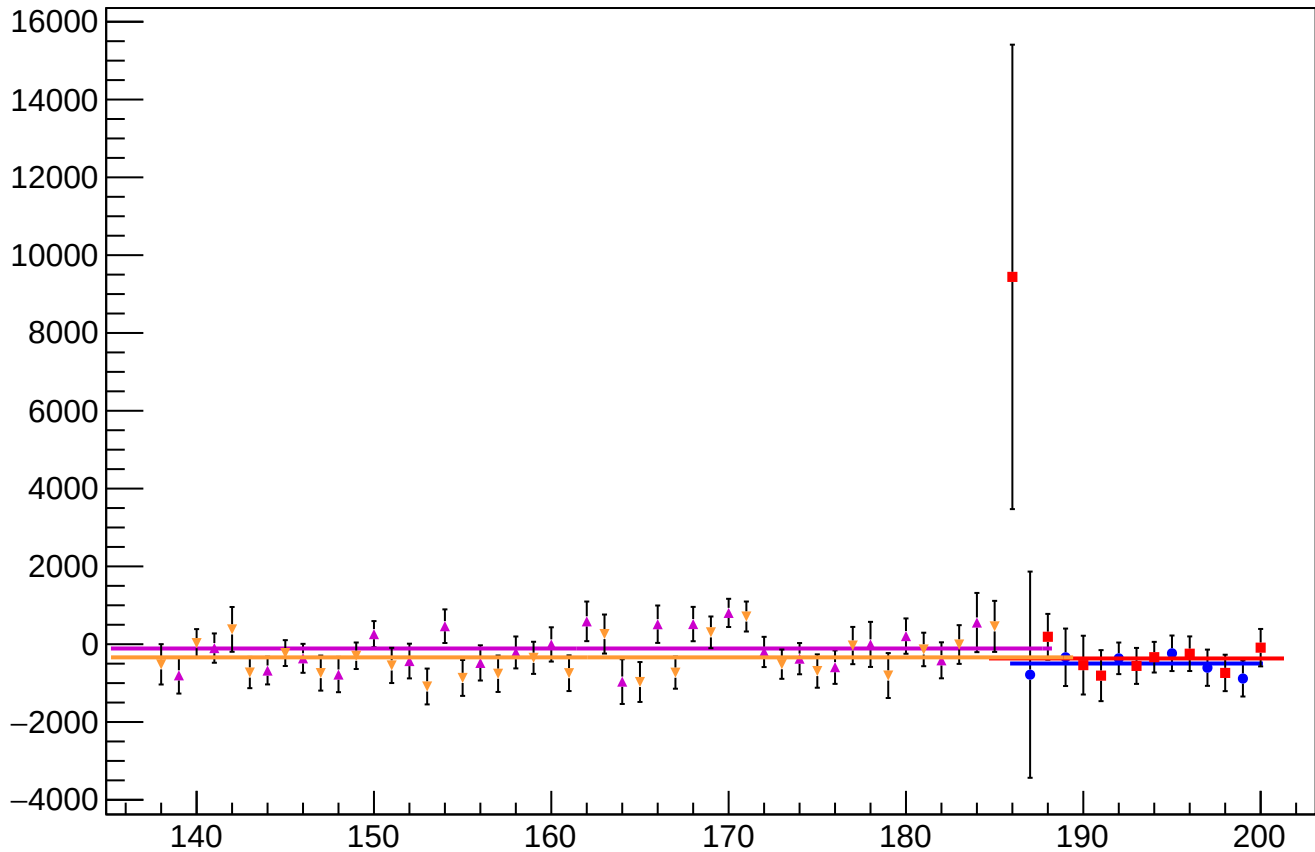
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 371.827 $\pm$ 0.056 χ^2 /NDF: 828138.0/30

All: 373.353 $\pm$ 0.040 χ^2 /NDF: 2145139.7/62

- sign 374.856 $\pm$ 0.056 χ^2 /NDF: 1315542.6/31

asym_sam_37_48_dd_mean vs Slug



Right In: -496.194 $\pm$ 212.565 χ^2 /NDF: 1.3/5

Left Out: -338.528 $\pm$ 87.450 χ^2 /NDF:28.2/24

Right Out: -366.660 $\pm$ 176.630 χ^2 /NDF: 5.3/8

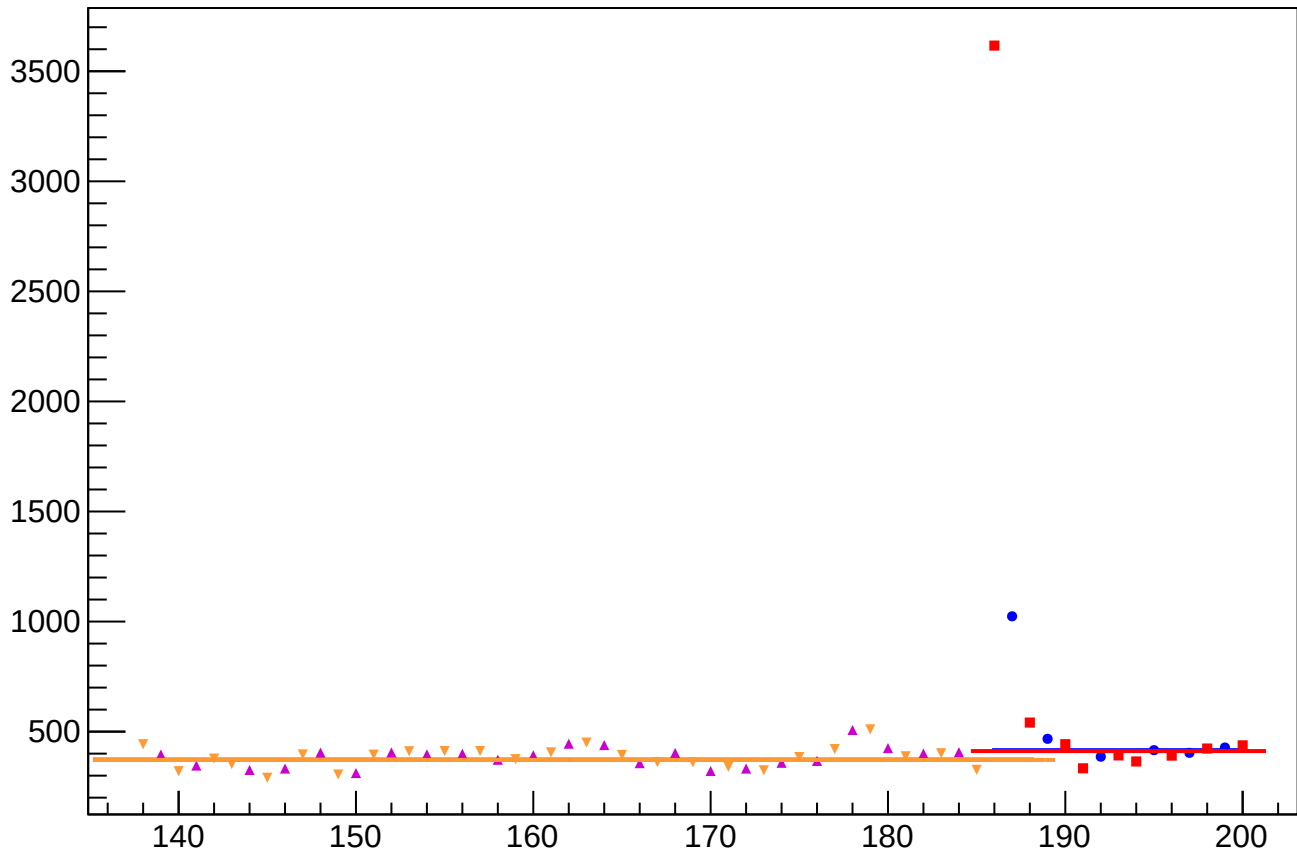
Left In: -110.341 $\pm$ 90.084 χ^2 /NDF:29.2/22

+ sign -361.351 $\pm$ 80.874 χ^2 /NDF: 29.9/30

All: -261.533 $\pm$ 56.964 χ^2 /NDF: 69.2/62

- sign -163.250 $\pm$ 80.249 χ^2 /NDF: 36.2/31

asym_sam_37_48_dd_rms vs Slug



Right In: 415.808 $\pm$ 0.150 χ^2 /NDF: 128408.1/5

Left Out: 371.356 $\pm$ 0.062 χ^2 /NDF: 604070.6/24

Right Out: 411.691 $\pm$ 0.125 χ^2 /NDF: 749391.4/8

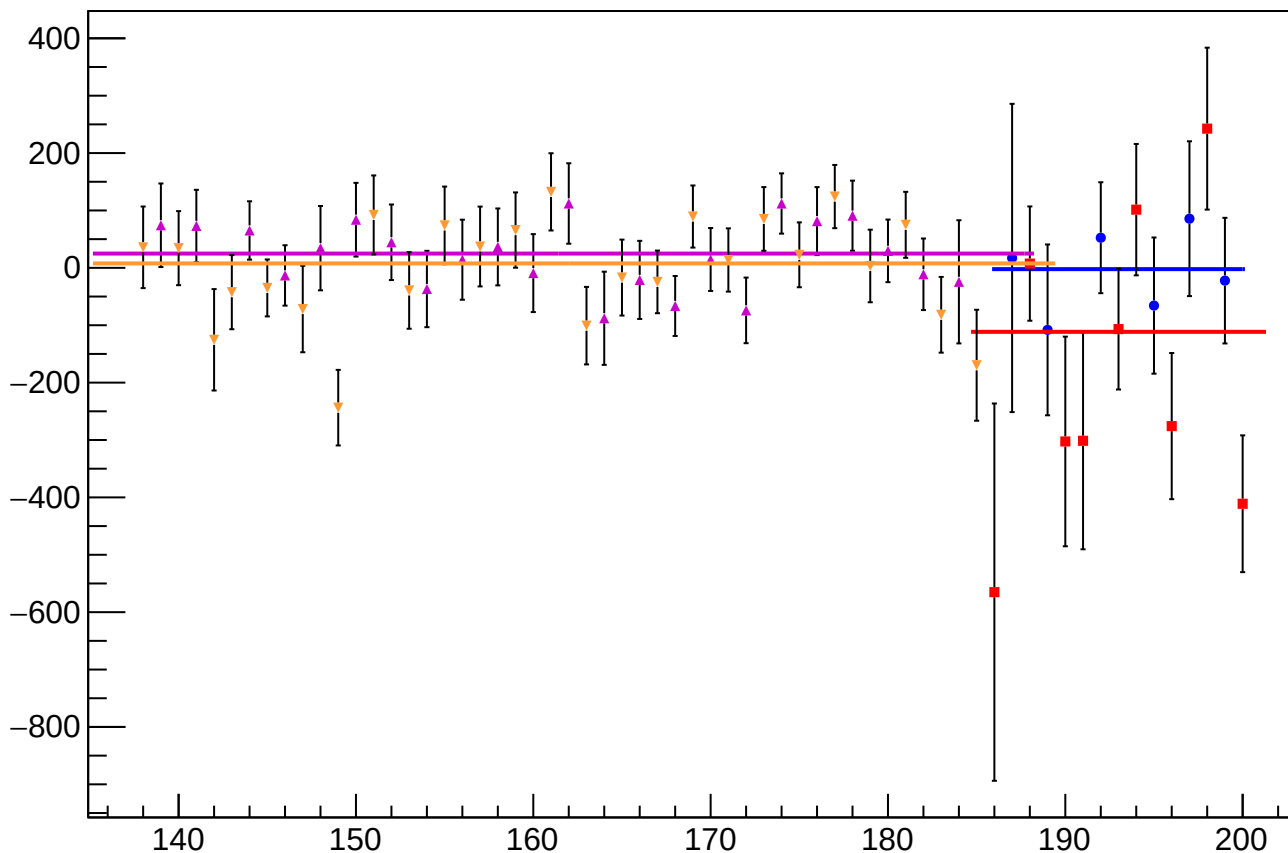
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

+ sign 377.791 $\pm$ 0.057 χ^2 /NDF: 807283.4/30

All: 379.376 $\pm$ 0.040 χ^2 /NDF: 2101942.3/62

- sign 380.937 $\pm$ 0.057 χ^2 /NDF: 1293133.4/31

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -2.256 ± 51.607 χ^2/NDF : 1.6/5

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -111.495 ± 43.985 χ^2/NDF : 23.2/8

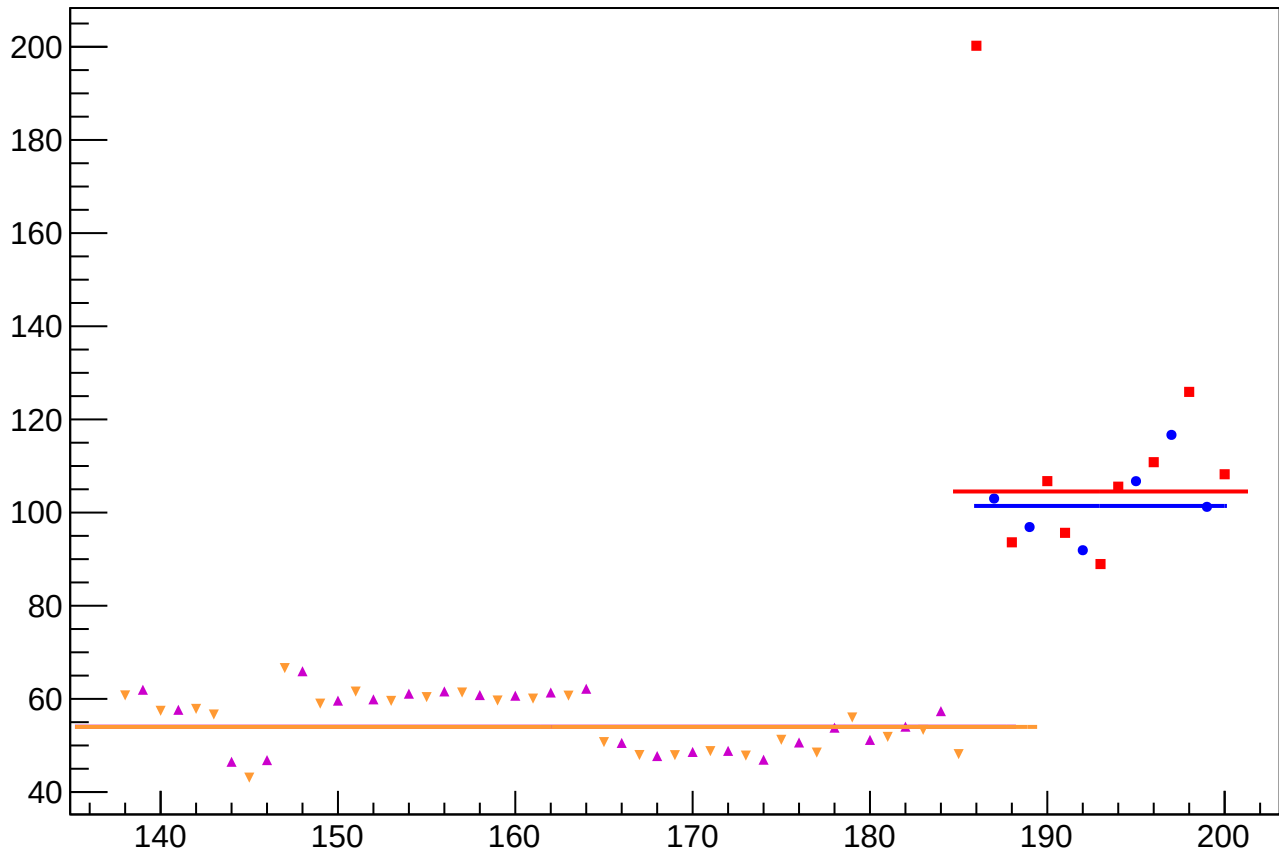
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 7.157 ± 12.291 χ^2/NDF : 47.0/30

All: 10.468 ± 8.761 χ^2/NDF : 98.9/62

- sign 13.887 ± 12.492 χ^2/NDF : 51.7/31

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 101.425+/-0.036 χ^2/NDF : 50869.2/5

Left Out: 53.984+/-0.009 χ^2/NDF : 458972.1/24

Right Out: 104.528+/-0.031 χ^2/NDF : 294916.6/8

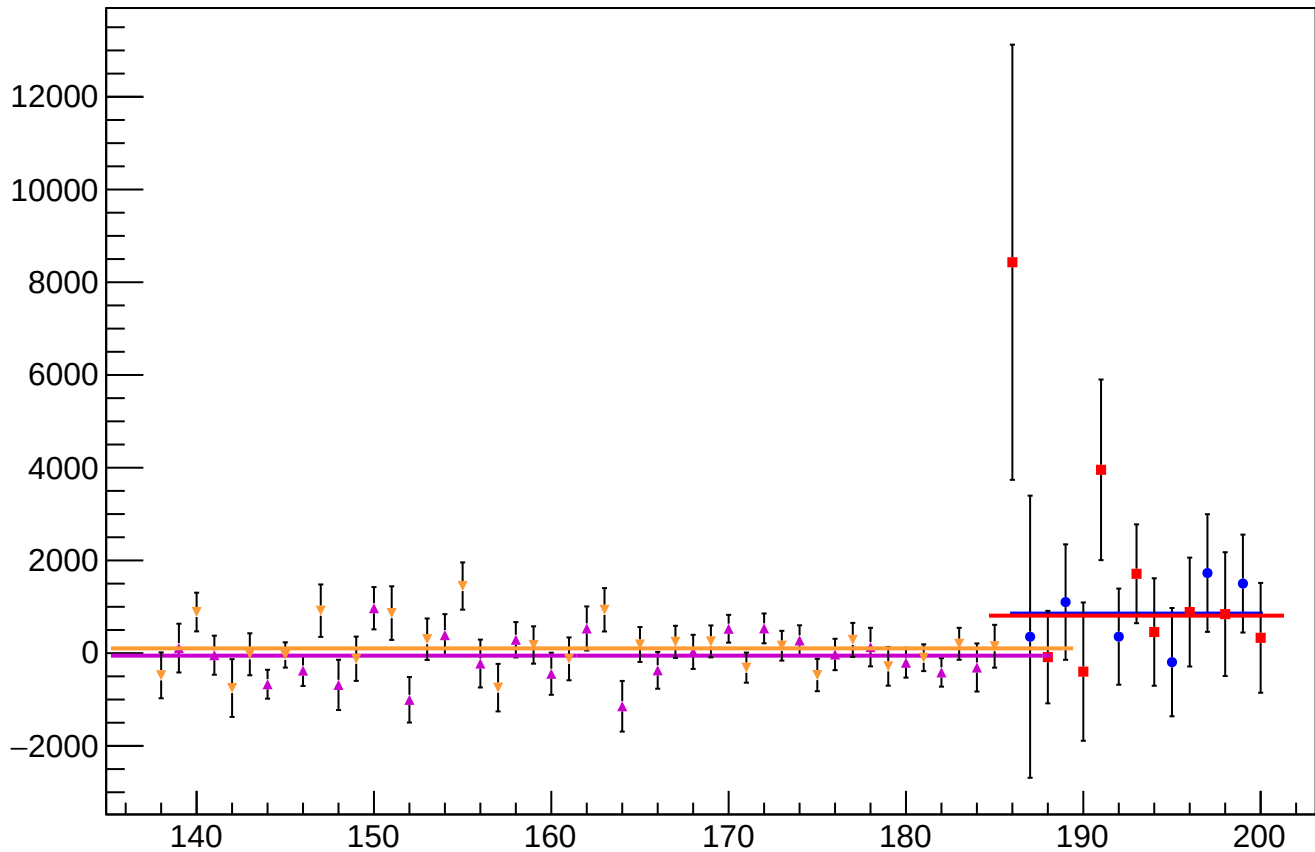
Left In: 54.028+/-0.009 χ^2/NDF : 443819.5/22

+ sign 56.675+/-0.009 χ^2/NDF : 2104142.1/30

All: 57.376+/-0.006 χ^2/NDF : 5279780.1/62

- sign 58.101+/-0.009 χ^2/NDF : 3162393.9/31

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 853.614 $\pm$ 504.123 χ^2 /NDF: 2.0/5

Left Out: 103.768 $\pm$ 79.344 χ^2 /NDF:31.0/24

Right Out: 809.212 $\pm$ 430.850 χ^2 /NDF: 7.7/8

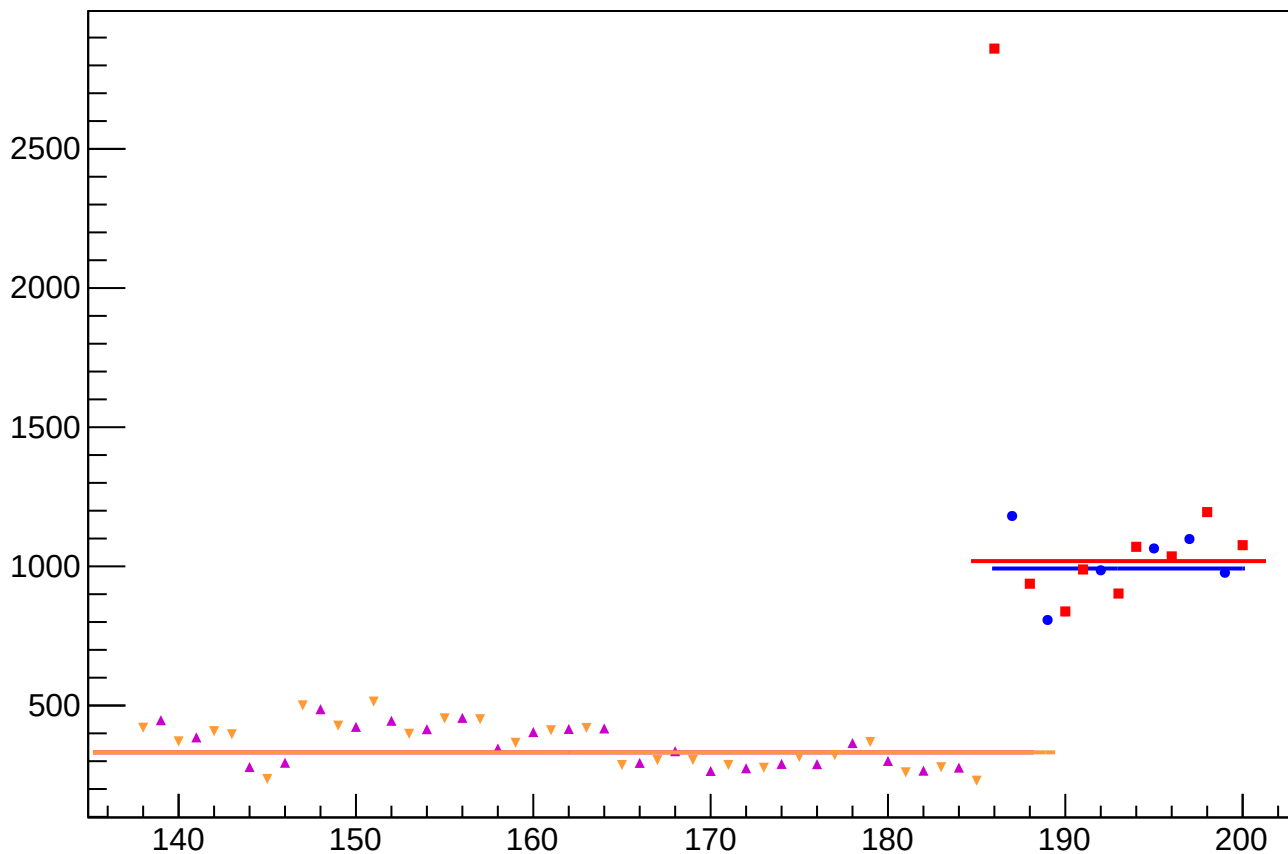
Left In: -53.493 $\pm$ 81.201 χ^2 /NDF:34.1/22

+ sign 121.894 $\pm$ 78.379 χ^2 /NDF: 35.1/30

All: 50.302 $\pm$ 55.917 χ^2 /NDF: 82.4/62

- sign -23.901 $\pm$ 79.796 χ^2 /NDF: 45.7/31

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 992.301 $\pm$ 0.356 χ^2/NDF : 73879.8/5

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

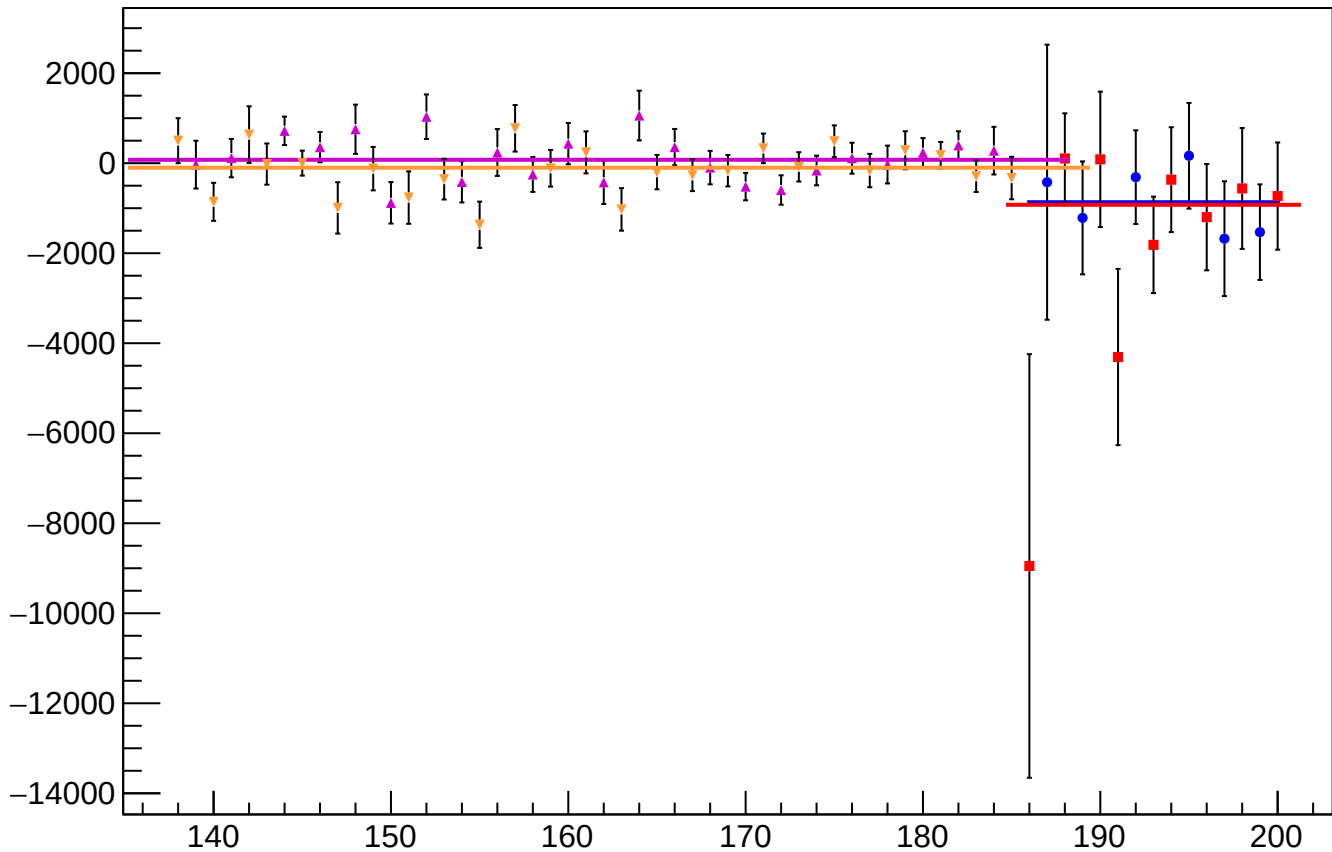
Left In: 331.666 $\pm$ 0.057 χ^2/NDF : 1303192.2/22

+ sign 347.737 $\pm$ 0.055 χ^2/NDF : 5136155.4/30

All: 351.422 $\pm$ 0.040 χ^2/NDF : 11781758.0/62

- sign 355.241 $\pm$ 0.056 χ^2/NDF : 6636602.7/31

asym_sam_15_26_dd_mean vs Slug



Right In: -866.887 ± 506.928 χ^2/NDF : 2.0/5

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -924.177 ± 433.319 χ^2/NDF : 8.5/8

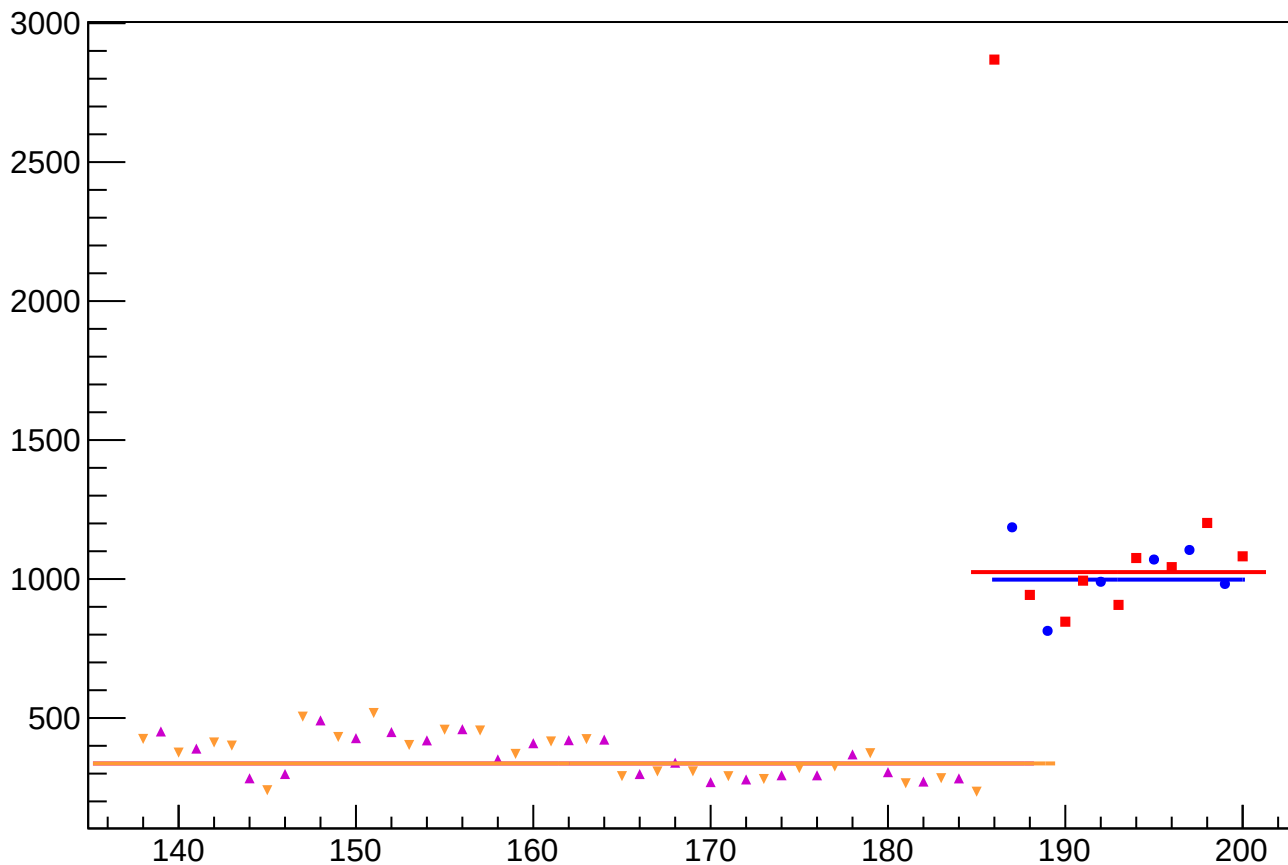
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -118.621 ± 79.434 χ^2/NDF : 34.8/30

All: -40.362 ± 56.670 χ^2/NDF : 82.5/62

- sign 40.755 ± 80.872 χ^2/NDF : 45.7/31

asym_sam_15_26_dd_rms vs Slug



Right In: 997.886 $\pm$ 0.358 χ^2 /NDF: 72882.3/5

Left Out: 336.557 $\pm$ 0.057 χ^2 /NDF: 1665919.4/24

Right Out: 1024.969 $\pm$ 0.306 χ^2 /NDF: 416710.5/8

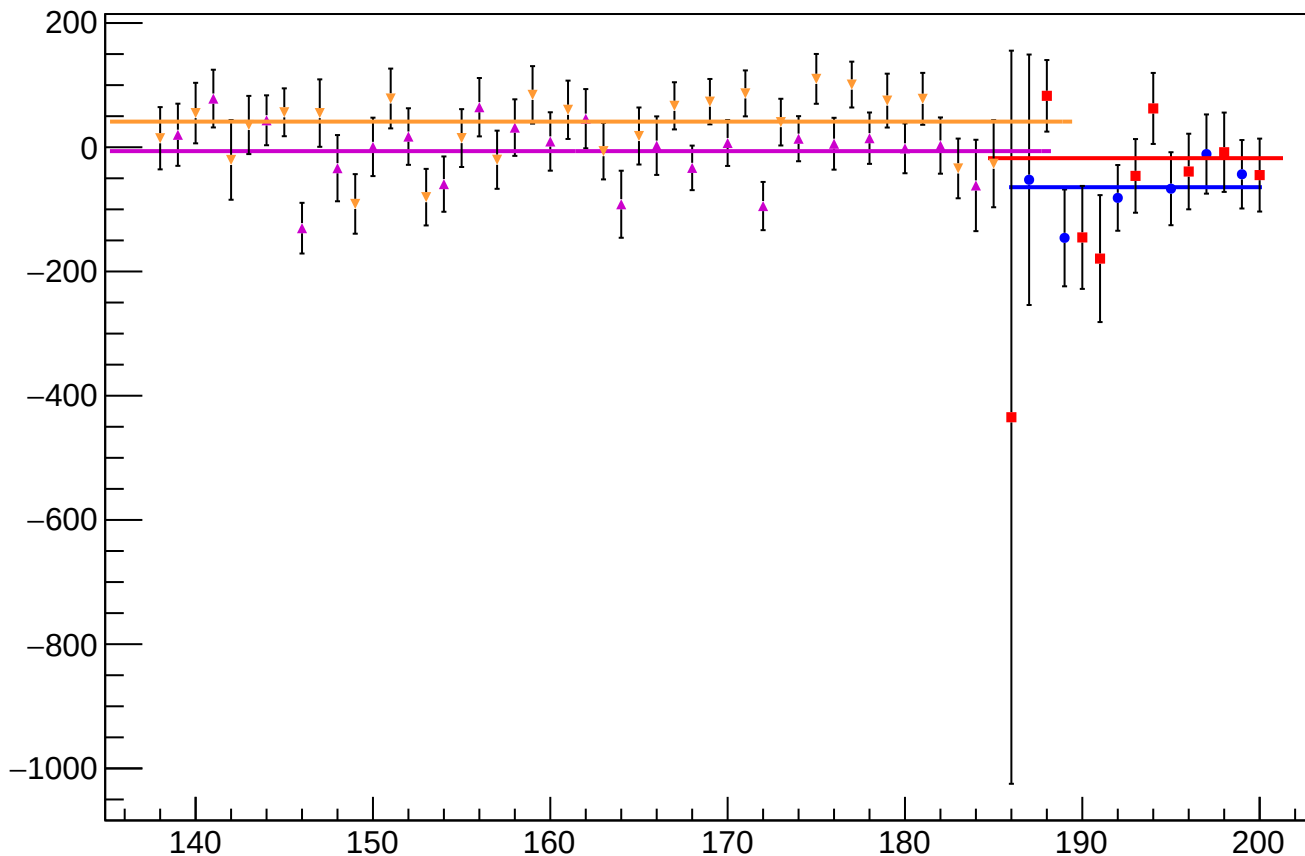
Left In: 336.439 $\pm$ 0.058 χ^2 /NDF: 1269066.3/22

+ sign 352.796 $\pm$ 0.056 χ^2 /NDF: 5059085.0/30

All: 356.541 $\pm$ 0.040 χ^2 /NDF: 11627640.4/62

- sign 360.423 $\pm$ 0.057 χ^2 /NDF: 6559502.3/31

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -64.313 ± 26.619 $\chi^2/\text{NDF}: 2.0/5$

Left Out: 41.283 ± 8.889 $\chi^2/\text{NDF}: 34.4/24$

Right Out: -17.585 ± 22.697 $\chi^2/\text{NDF}: 11.0/8$

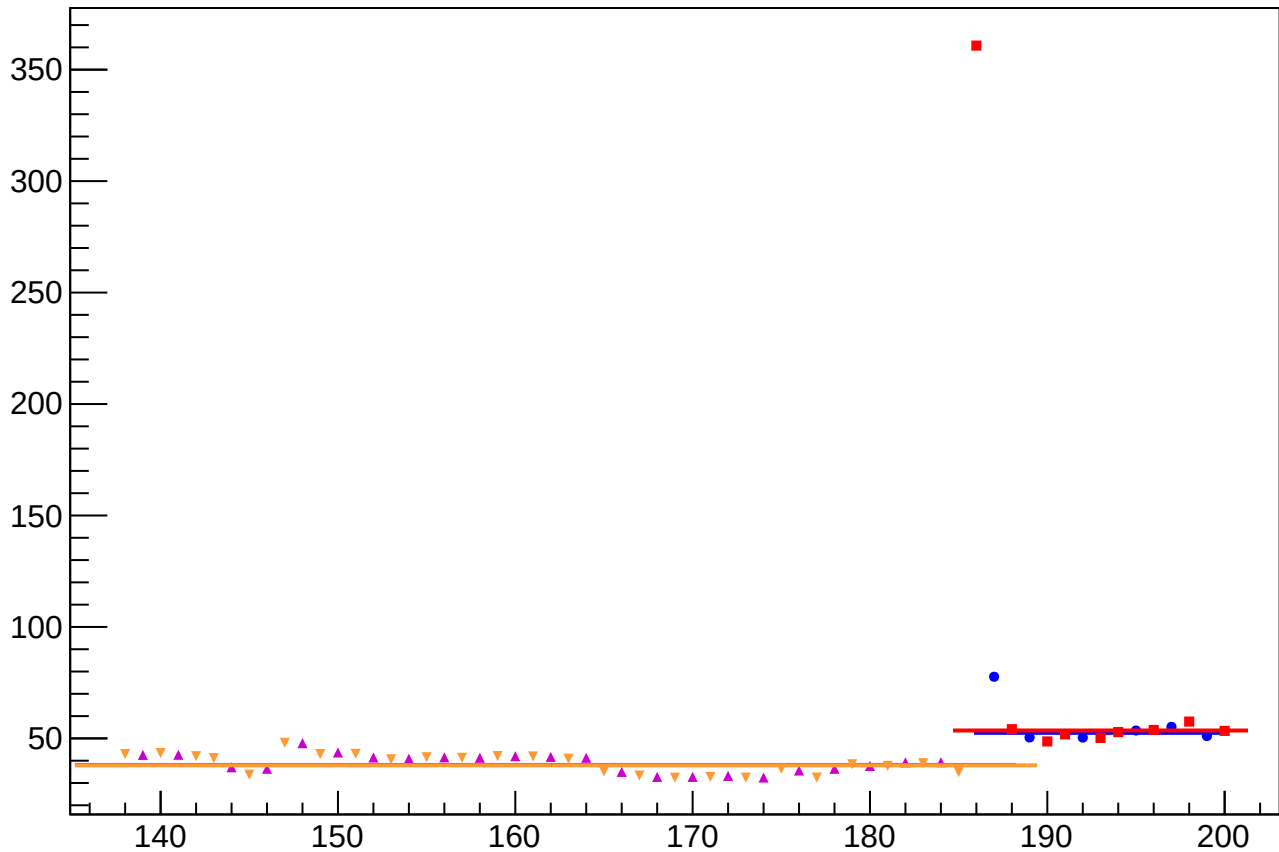
Left In: -6.254 ± 9.175 $\chi^2/\text{NDF}: 30.3/22$

+ sign 30.689 ± 8.432 $\chi^2/\text{NDF}: 50.6/30$

All: 11.591 ± 5.988 $\chi^2/\text{NDF}: 102.4/62$

- sign -7.845 ± 8.506 $\chi^2/\text{NDF}: 41.5/31$

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 52.499+/-0.019 χ^2/NDF : 41296.3/5

Left Out: 37.925+/-0.006 χ^2/NDF : 487085.3/24

Right Out: 53.552+/-0.016 χ^2/NDF : 564441.7/8

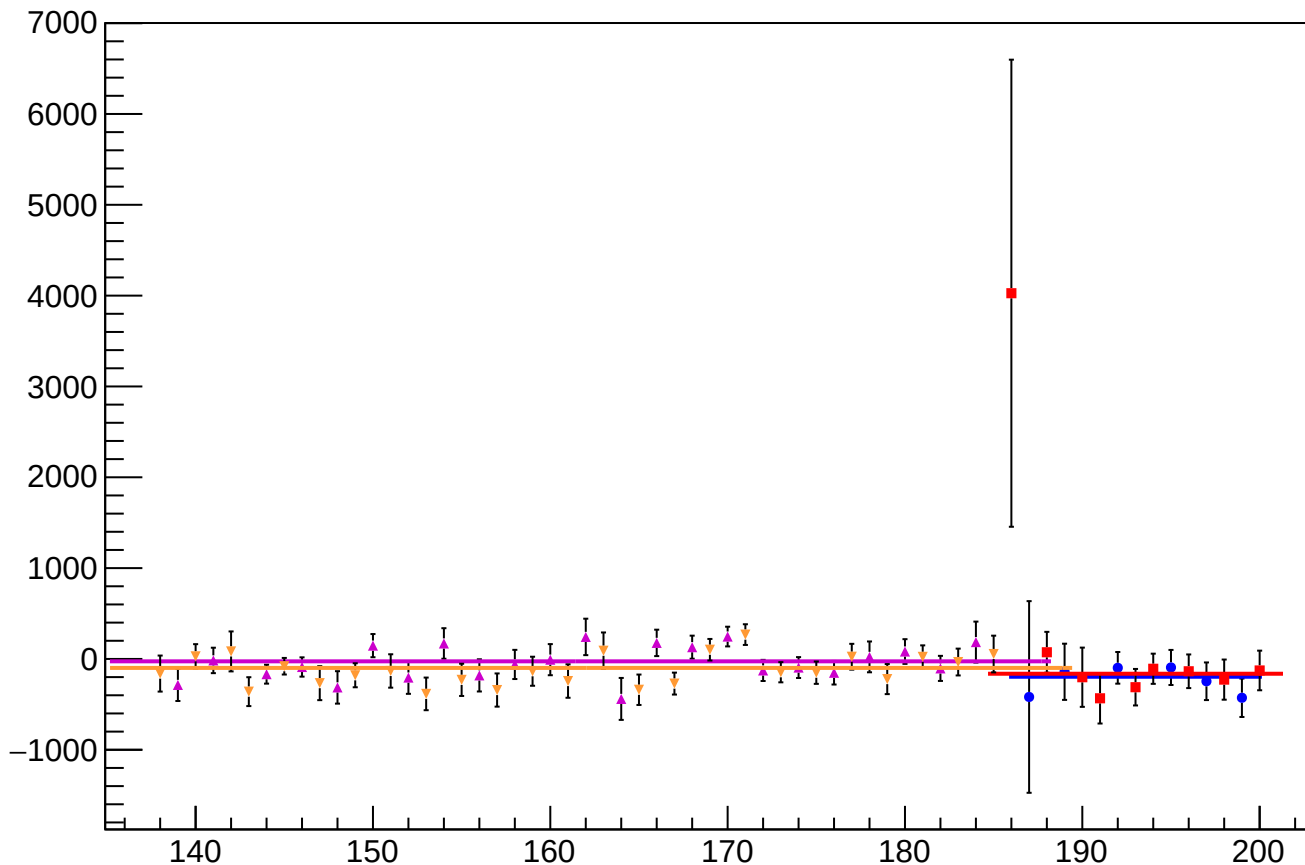
Left In: 38.087+/-0.006 χ^2/NDF : 396334.5/22

+ sign 39.387+/-0.006 χ^2/NDF : 1067711.1/30

All: 39.819+/-0.004 χ^2/NDF : 2837226.8/62

- sign 40.259+/-0.006 χ^2/NDF : 1758910.6/31

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -195.886 ± 92.528 χ^2/NDF : 1.9/5

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -162.866 ± 75.813 χ^2/NDF : 5.5/8

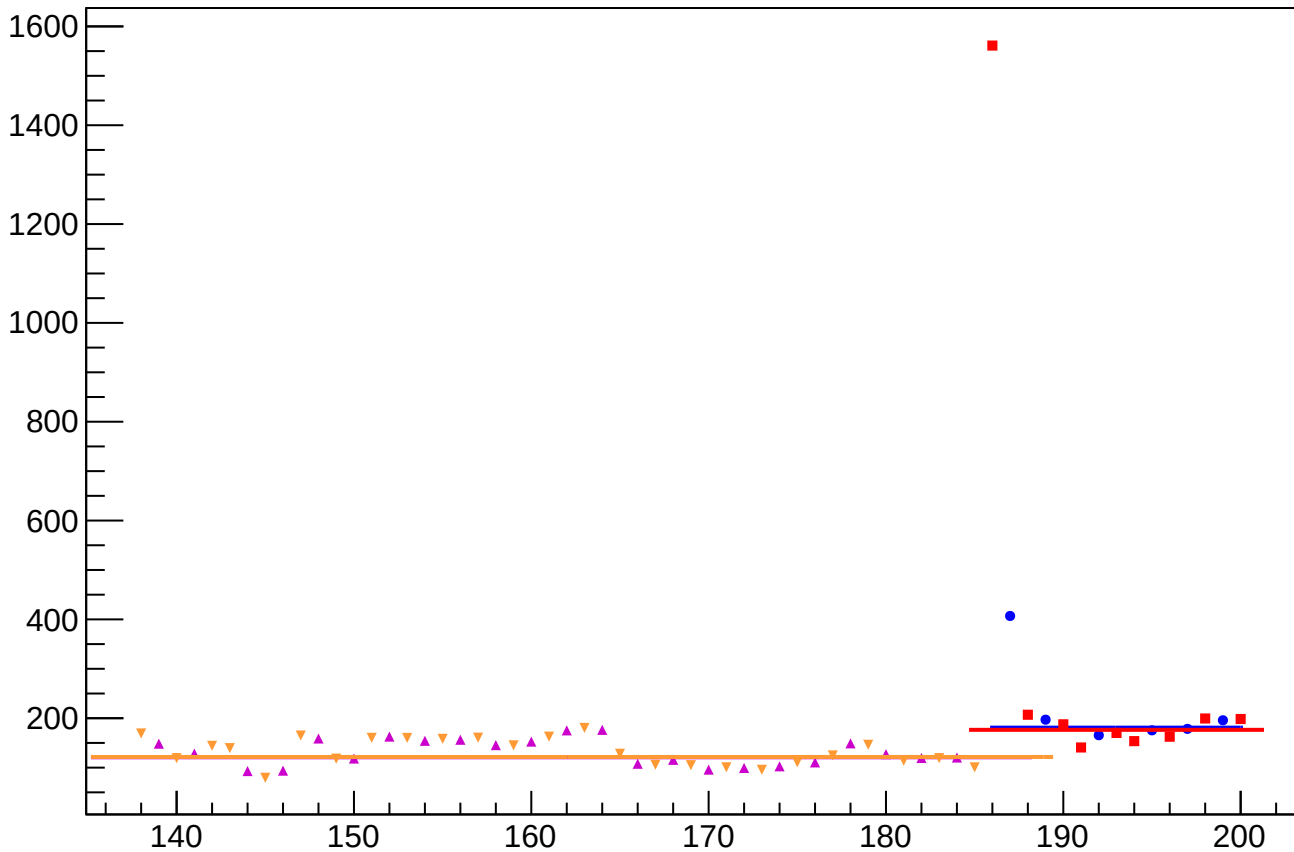
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -107.482 ± 27.755 χ^2/NDF : 35.7/30

All: -75.791 ± 19.583 χ^2/NDF : 77.3/62

- sign -44.377 ± 27.634 χ^2/NDF : 39.0/31

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 180.909 ± 0.065 χ^2/NDF : 124522.6/5

Left Out: 121.592 ± 0.021 χ^2/NDF : 1711423.9/24

Right Out: 176.482 ± 0.054 χ^2/NDF : 745363.2/8

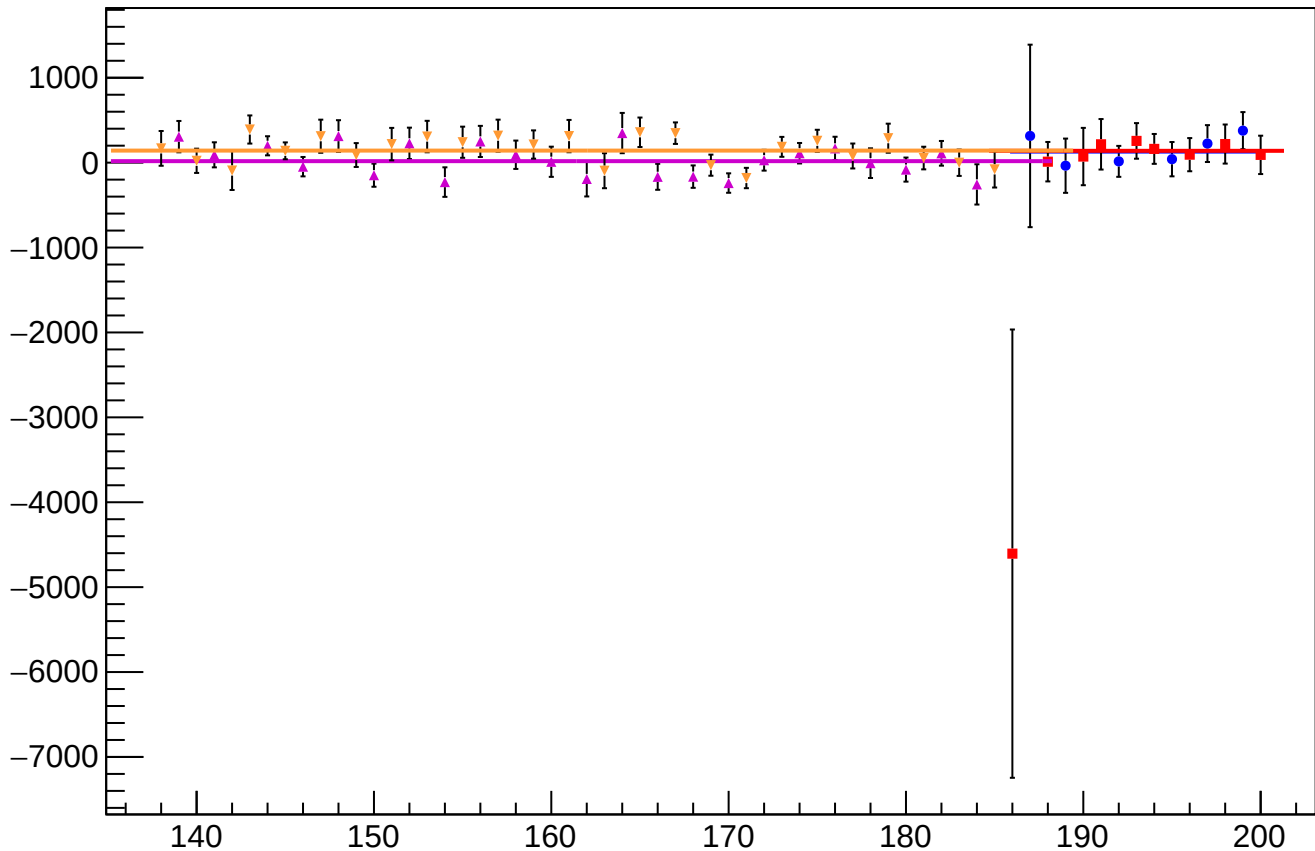
Left In: 120.927 ± 0.021 χ^2/NDF : 1382861.4/22

+ sign 126.929 ± 0.020 χ^2/NDF : 2583919.1/30

All: 127.622 ± 0.014 χ^2/NDF : 5645904.5/62

- sign 128.308 ± 0.020 χ^2/NDF : 3059507.1/31

asym_sam_37_26_dd_mean vs Slug



Right In: 130.643 $\pm$ 96.498 χ^2 /NDF: 2.4/5

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

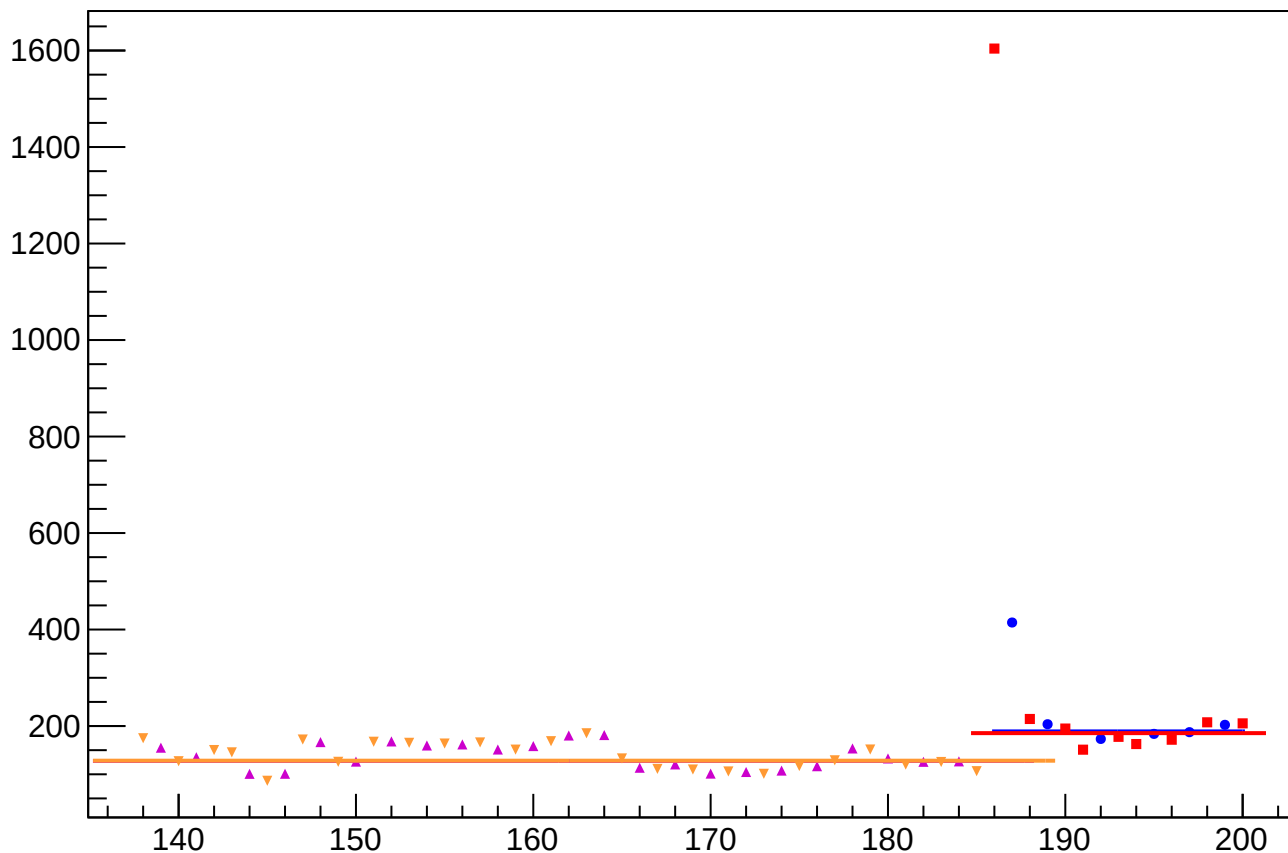
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 140.977 $\pm$ 29.146 χ^2 /NDF: 29.2/30

All: 87.277 $\pm$ 20.575 χ^2 /NDF: 72.4/62

- sign 33.940 $\pm$ 29.048 χ^2 /NDF: 36.4/31

asym_sam_37_26_dd_rms vs Slug



Right In: 188.857+/-0.068 χ^2/NDF : 116329.3/5

Left Out: 128.175+/-0.022 χ^2/NDF : 1532922.0/24

Right Out: 185.309+/-0.056 χ^2/NDF : 717992.5/8

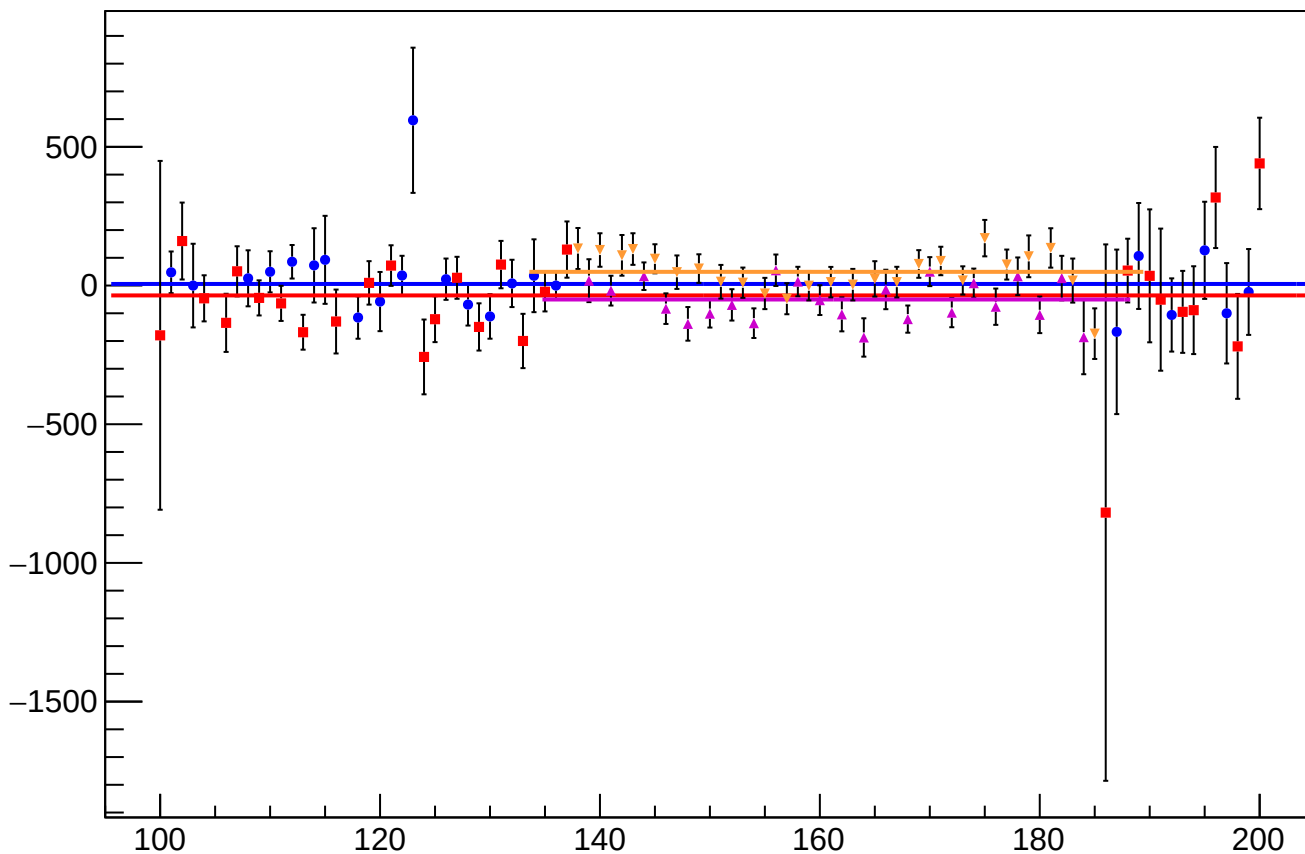
Left In: 127.544+/-0.022 χ^2/NDF : 1235705.3/22

+ sign 133.711+/-0.021 χ^2/NDF : 2367986.2/30

All: 134.491+/-0.015 χ^2/NDF : 5240538.1/62

- sign 135.266+/-0.021 χ^2/NDF : 2869695.9/31

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.695 ± 19.406 χ^2/NDF : 16.5/22

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -35.631 ± 18.471 χ^2/NDF : 39.9/27

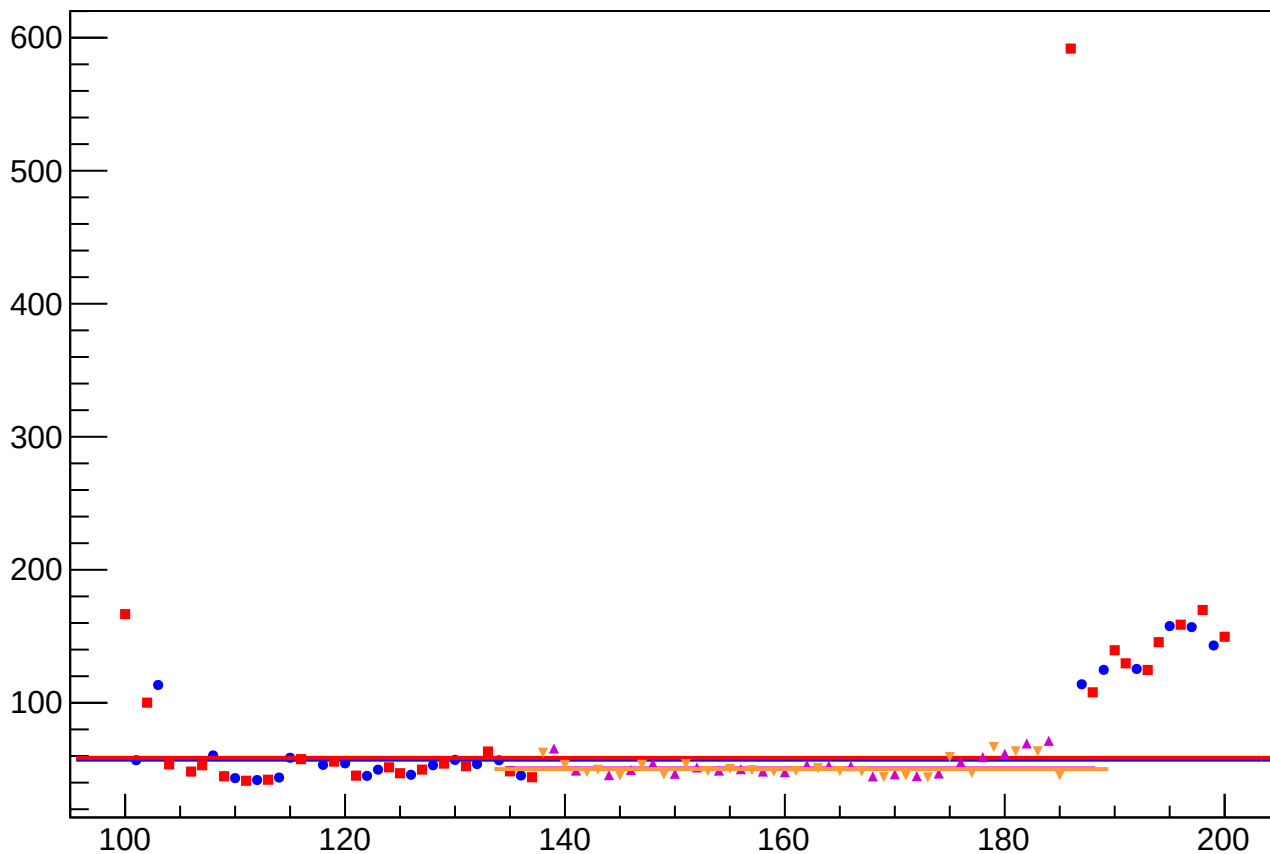
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 37.596 ± 10.086 χ^2/NDF : 48.3/47

All: -3.608 ± 7.176 χ^2/NDF : 154.6/98

- sign -45.839 ± 10.211 χ^2/NDF : 72.5/50

reg_asym_sam_1357_avg_rms vs Slug



Right In: 57.282+/-0.014 χ^2/NDF : 3472415.8/22

Left Out: 50.189+/-0.008 χ^2/NDF : 467679.2/24

Right Out: 58.599+/-0.013 χ^2/NDF : 5161273.5/27

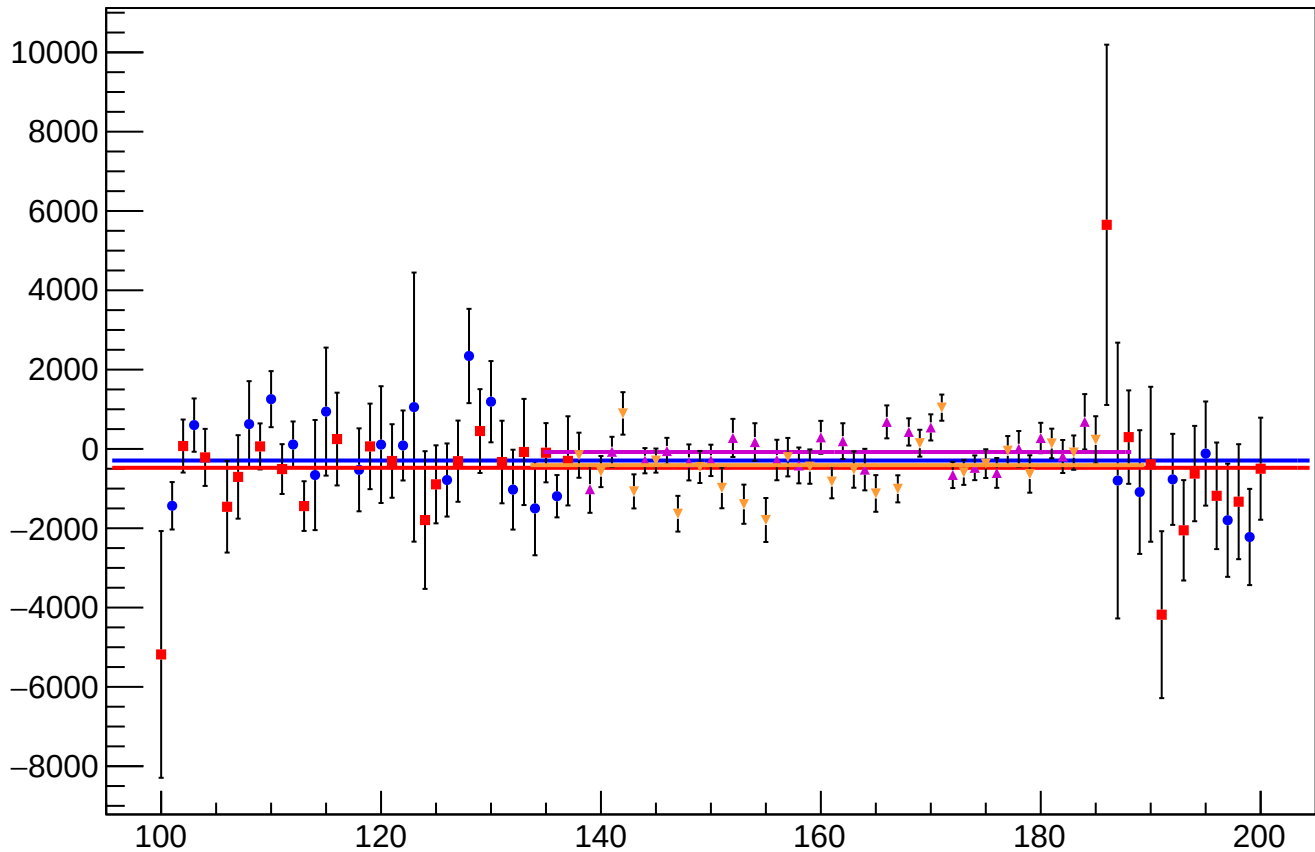
Left In: 50.683+/-0.009 χ^2/NDF : 469292.3/22

+ sign 52.105+/-0.007 χ^2/NDF : 4135075.4/47

All: 52.598+/-0.005 χ^2/NDF : 10030398.7/98

- sign 53.102+/-0.007 χ^2/NDF : 5885669.6/50

asym_sam_1357_avg_correction_mean vs Slug



Right In: -292.119 ± 197.898 $\chi^2/\text{NDF}: 28.4/22$

Left Out: -409.164 ± 82.348 $\chi^2/\text{NDF}: 61.7/24$

Right Out: -475.842 ± 188.225 $\chi^2/\text{NDF}: 17.3/27$

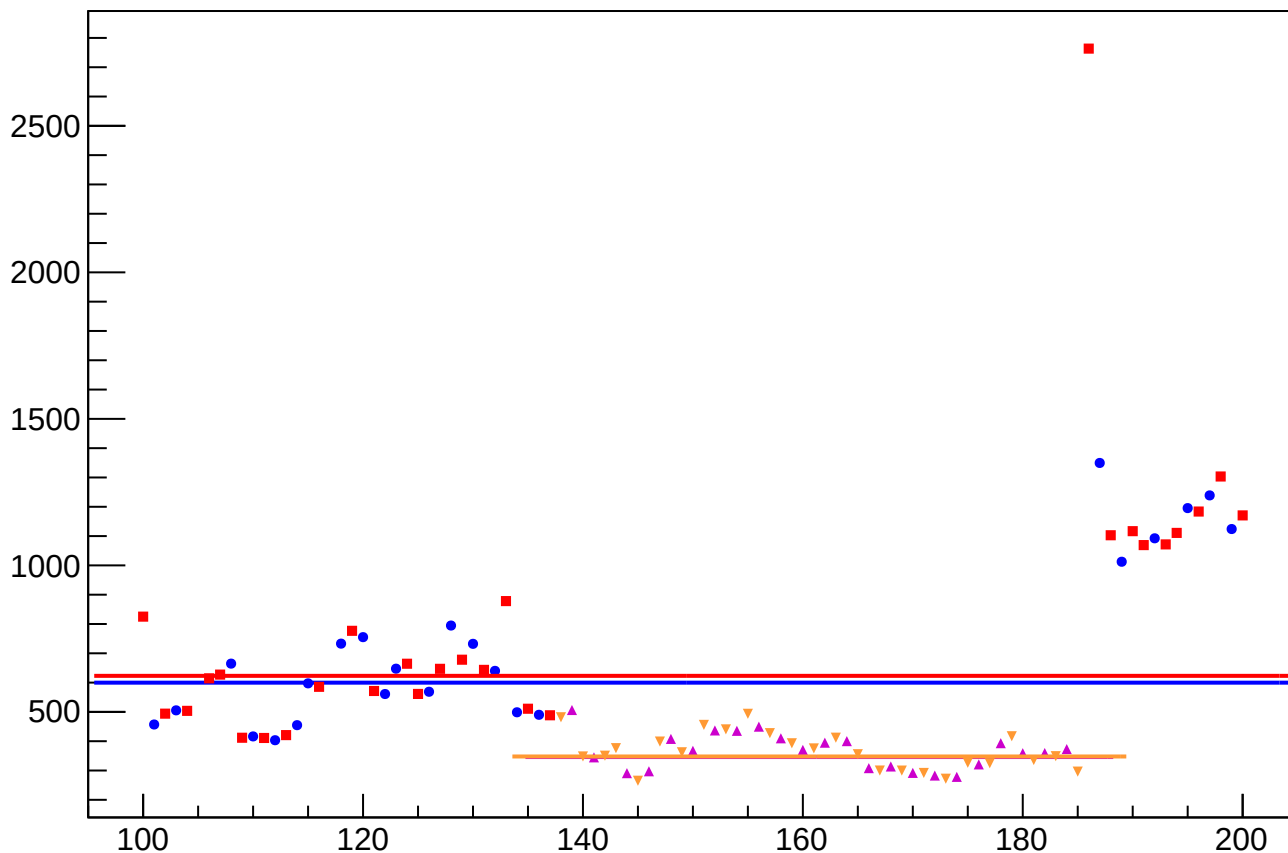
Left In: -77.872 ± 84.072 $\chi^2/\text{NDF}: 24.8/22$

+ sign -391.889 ± 76.029 $\chi^2/\text{NDF}: 90.3/47$

All: -269.167 ± 54.018 $\chi^2/\text{NDF}: 141.4/98$

- sign -144.063 ± 76.763 $\chi^2/\text{NDF}: 45.8/50$

asym_sam_1357_avg_correction_rms vs Slug



Right In: 599.795 ± 0.140 $\chi^2/\text{NDF}: 2583531.1/22$

Left Out: 347.875 ± 0.058 $\chi^2/\text{NDF}: 1044096.7/24$

Right Out: 623.057 ± 0.133 $\chi^2/\text{NDF}: 3776212.6/27$

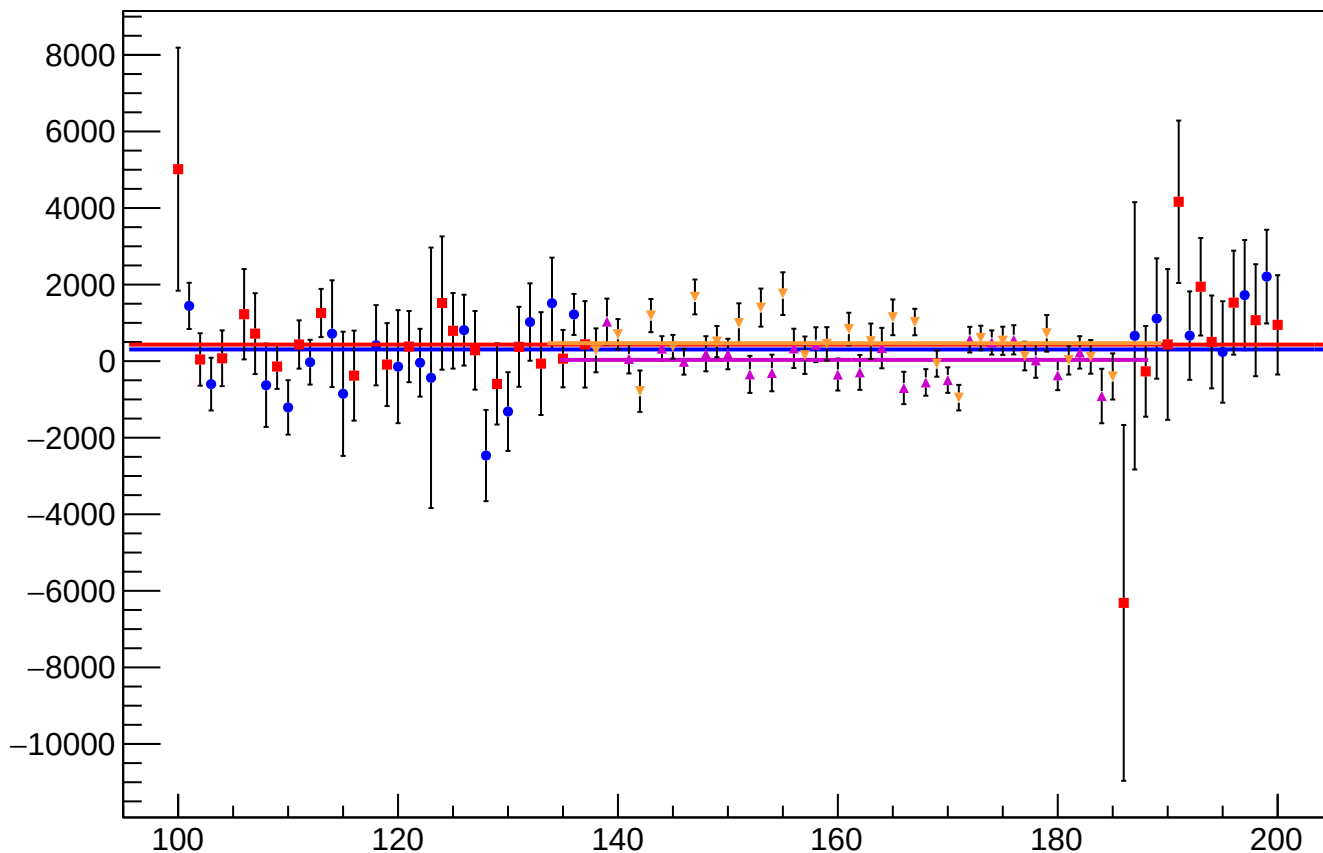
Left In: 345.954 ± 0.059 $\chi^2/\text{NDF}: 900847.0/22$

+ sign 385.058 ± 0.054 $\chi^2/\text{NDF}: 6390235.5/47$

All: 388.517 ± 0.038 $\chi^2/\text{NDF}: 14689403.8/90$

- sign 392.043 ± 0.054 $\chi^2/\text{NDF}: 8290808.5/50$

asym_sam_1357_avg_mean vs Slug



Right In: 305.538 ± 199.312 χ^2/NDF : 28.2/22

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 431.987 ± 189.691 χ^2/NDF : 16.4/27

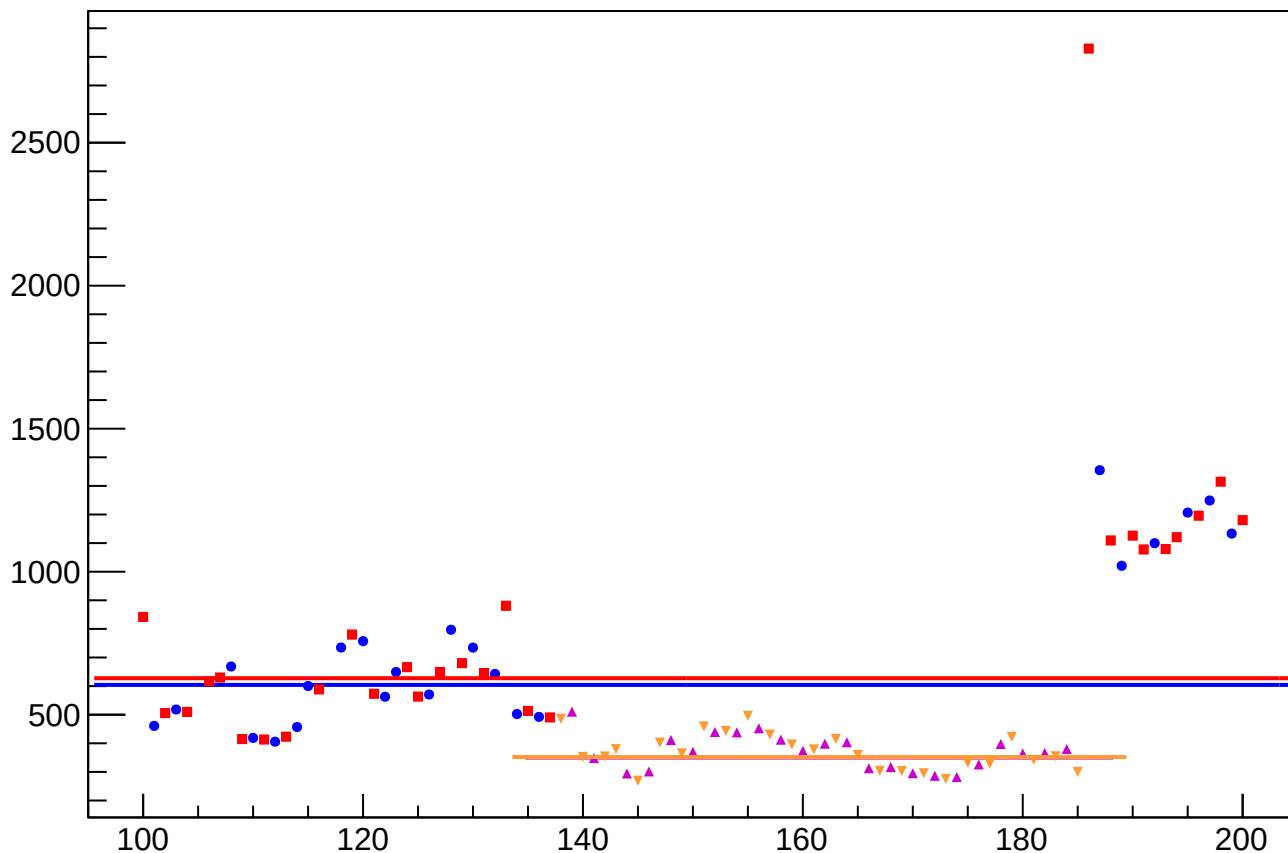
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 444.579 ± 76.854 χ^2/NDF : 86.3/47

All: 273.810 ± 54.612 χ^2/NDF : 142.0/98

- sign 99.634 ± 77.617 χ^2/NDF : 45.7/50

asym_sam_1357_avg_rms vs Slug



Right In: 604.182 $\pm$ 0.141 χ^2 /NDF: 2578371.6/22

Left Out: 352.015 $\pm$ 0.059 χ^2 /NDF:1017195.6/24

Right Out: 627.616 $\pm$ 0.134 χ^2 /NDF: 3777831.2/27

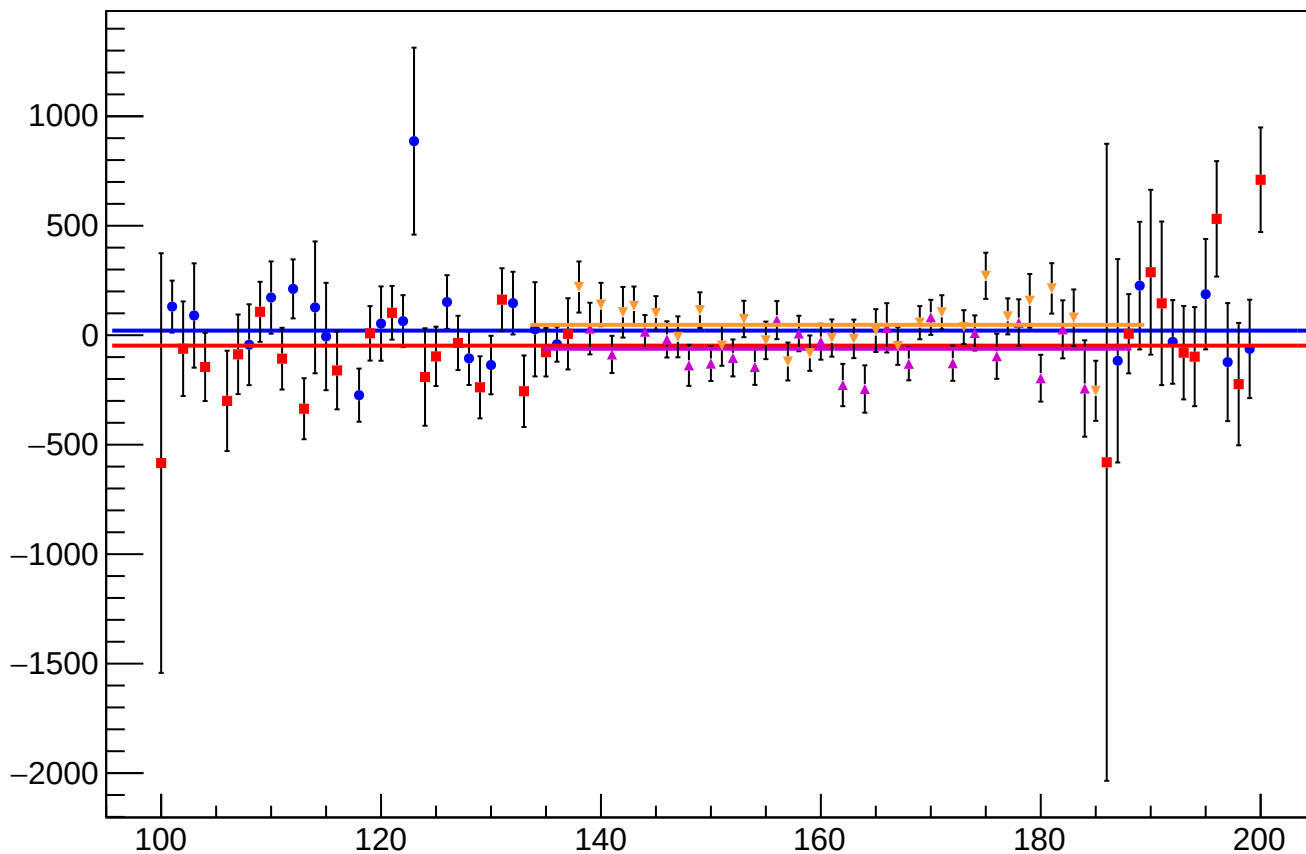
Left In: 350.160 $\pm$ 0.060 χ^2 /NDF:878380.0/22

+ sign 389.508 $\pm$ 0.054 χ^2 /NDF: 6320965.1/47

All: 393.025 $\pm$ 0.039 χ^2 /NDF: 14548074.0/98

- sign 396.613 $\pm$ 0.055 χ^2 /NDF: 8218646.6/50

reg_asym_sam_2468_avg_mean vs Slug



Right In: 21.047 $\pm$ 32.851 χ^2 /NDF: 20.7/22

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

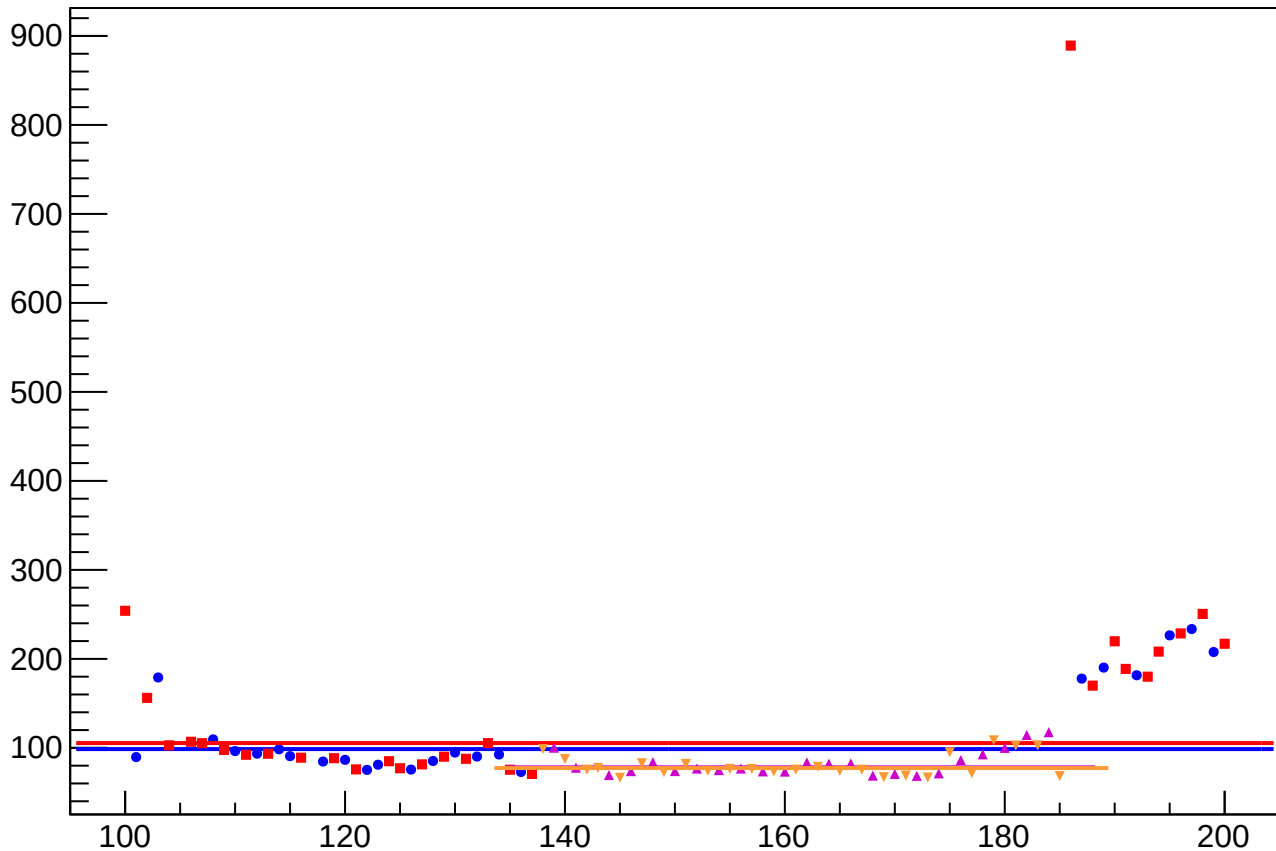
Left In: -61.830 $\pm$ 18.958 χ^2 /NDF: 24.0/22

+ sign 41.203 $\pm$ 15.955 χ^2 /NDF: 50.6/47

All: -7.266 $\pm$ 11.420 χ^2 /NDF: 126.4/98

- sign -58.179 $\pm$ 16.353 χ^2 /NDF: 56.9/50

reg_asym_sam_2468_avg_rms vs Slug



Right In: 98.642+/-0.023 χ^2/NDF : 2800415.8/22

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 105.390+/-0.023 χ^2/NDF : 4025836.5/27

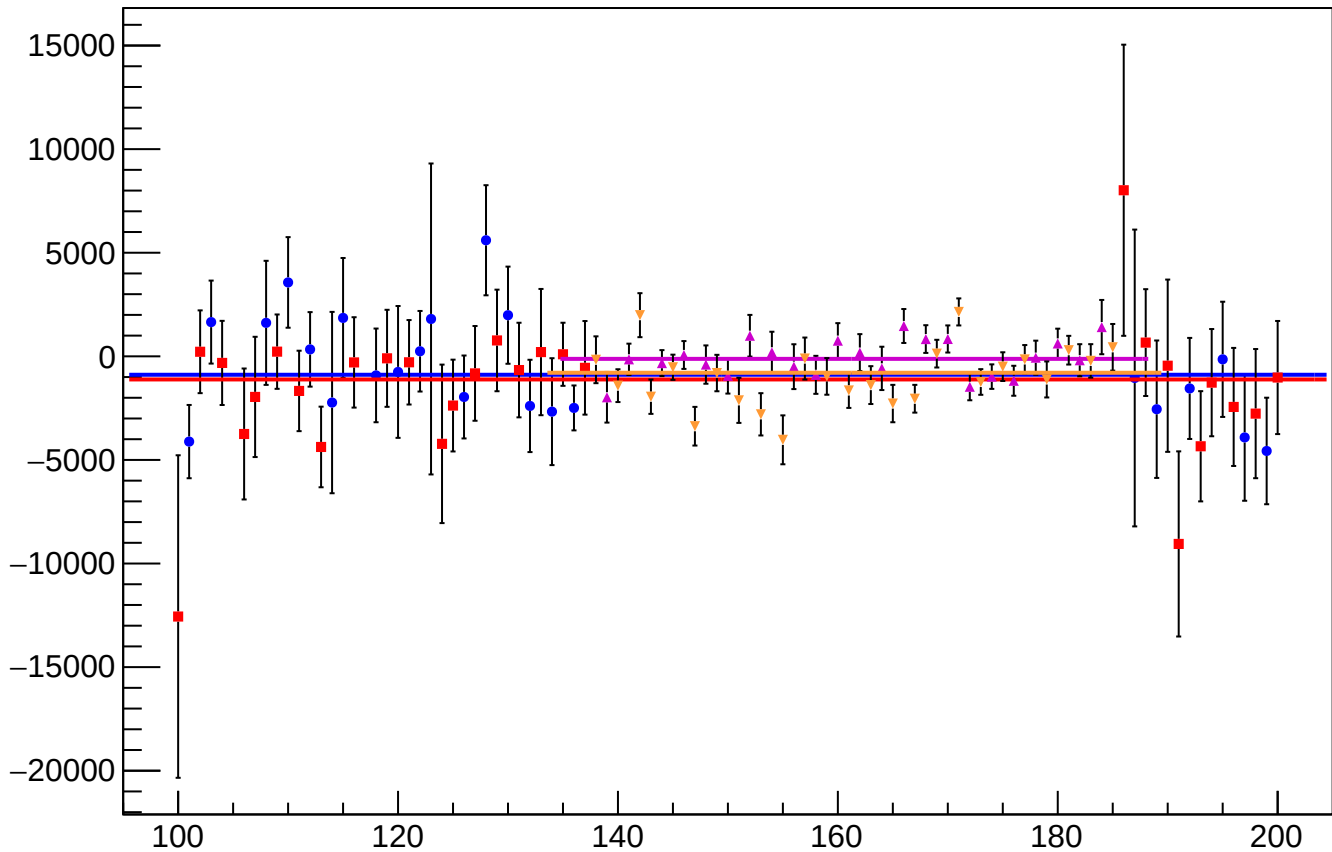
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 82.347+/-0.011 χ^2/NDF : 4080060.2/47

All: 83.696+/-0.008 χ^2/NDF : 9775163.4/98

- sign 85.114+/-0.012 χ^2/NDF : 5665764.8/50

asym_sam_2468_avg_correction_mean vs Slug



Right In: -889.410 ± 477.278 χ^2/NDF : 26.0/22

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1115.773 ± 461.819 χ^2/NDF : 17.3/27

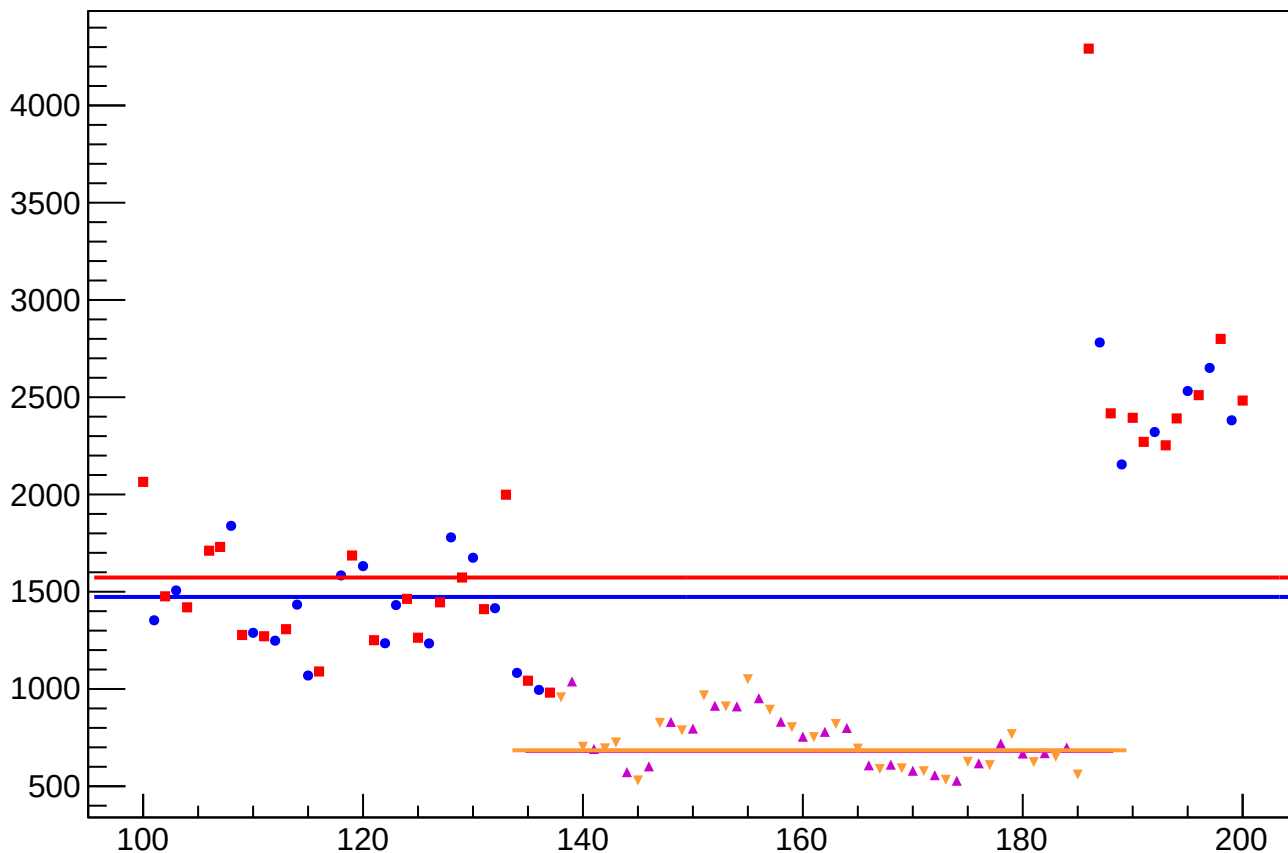
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -802.832 ± 153.963 χ^2/NDF : 92.7/47

All: -523.880 ± 109.711 χ^2/NDF : 146.7/98

- sign -236.117 ± 156.376 χ^2/NDF : 47.4/50

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1473.112 $\pm$ 0.337 χ^2 /NDF: 1898838.3/22

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF: 1280146.2/24

Right Out: 1573.044 $\pm$ 0.327 χ^2 /NDF: 2522377.7/27

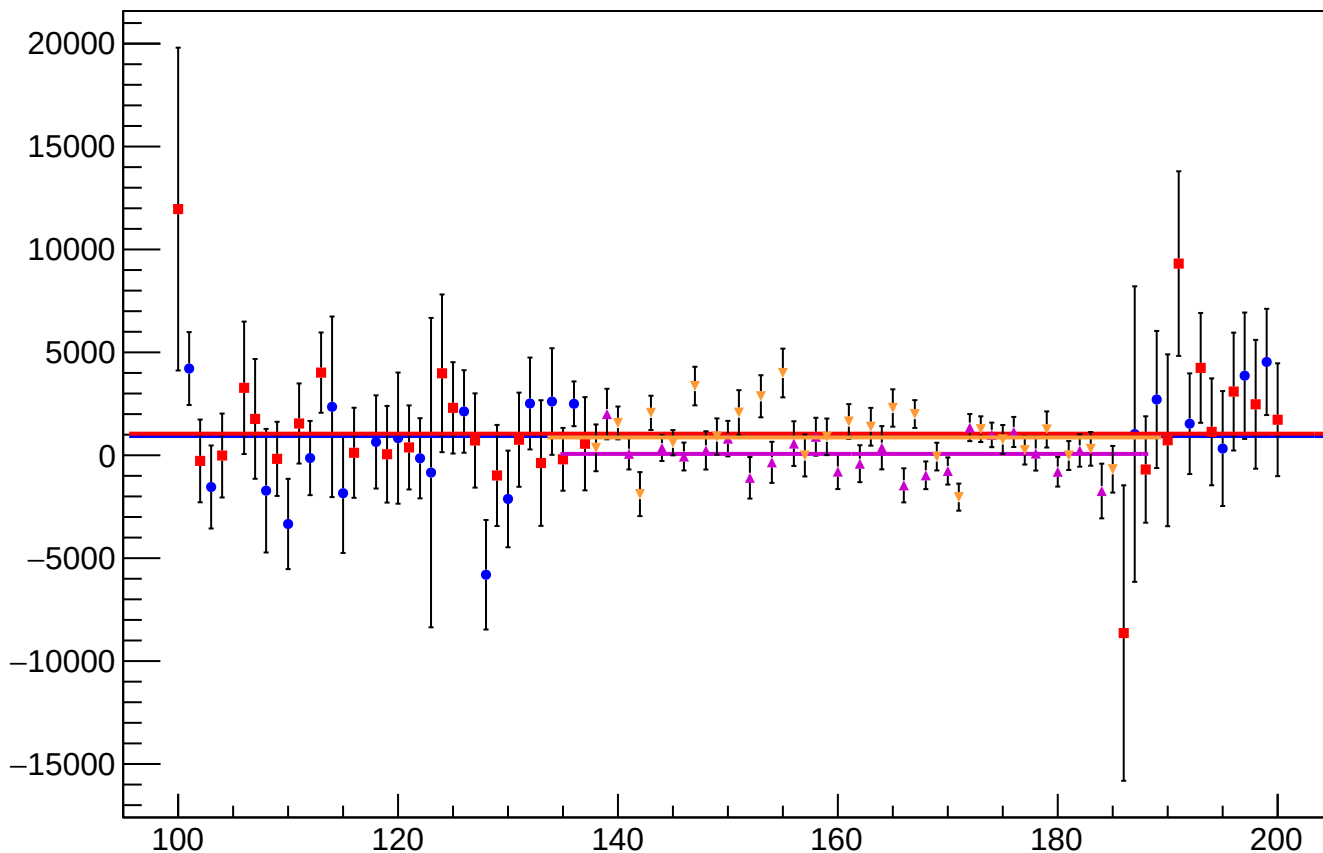
Left In: 681.712 $\pm$ 0.118 χ^2 /NDF: 1119637.0/22

+ sign 766.819 $\pm$ 0.109 χ^2 /NDF: 8067511.5/47

All: 775.231 $\pm$ 0.078 χ^2 /NDF: 18317599.6/98

- sign 783.908 $\pm$ 0.111 χ^2 /NDF: 10237960.0/50

asym_sam_2468_avg_mean vs Slug



Right In: 935.322 $\pm$ 478.706 χ^2/NDF : 26.0/22

Left Out: 865.597 $\pm$ 163.885 χ^2/NDF : 62.8/24

Right Out: 1049.009 $\pm$ 463.434 χ^2/NDF : 16.9/27

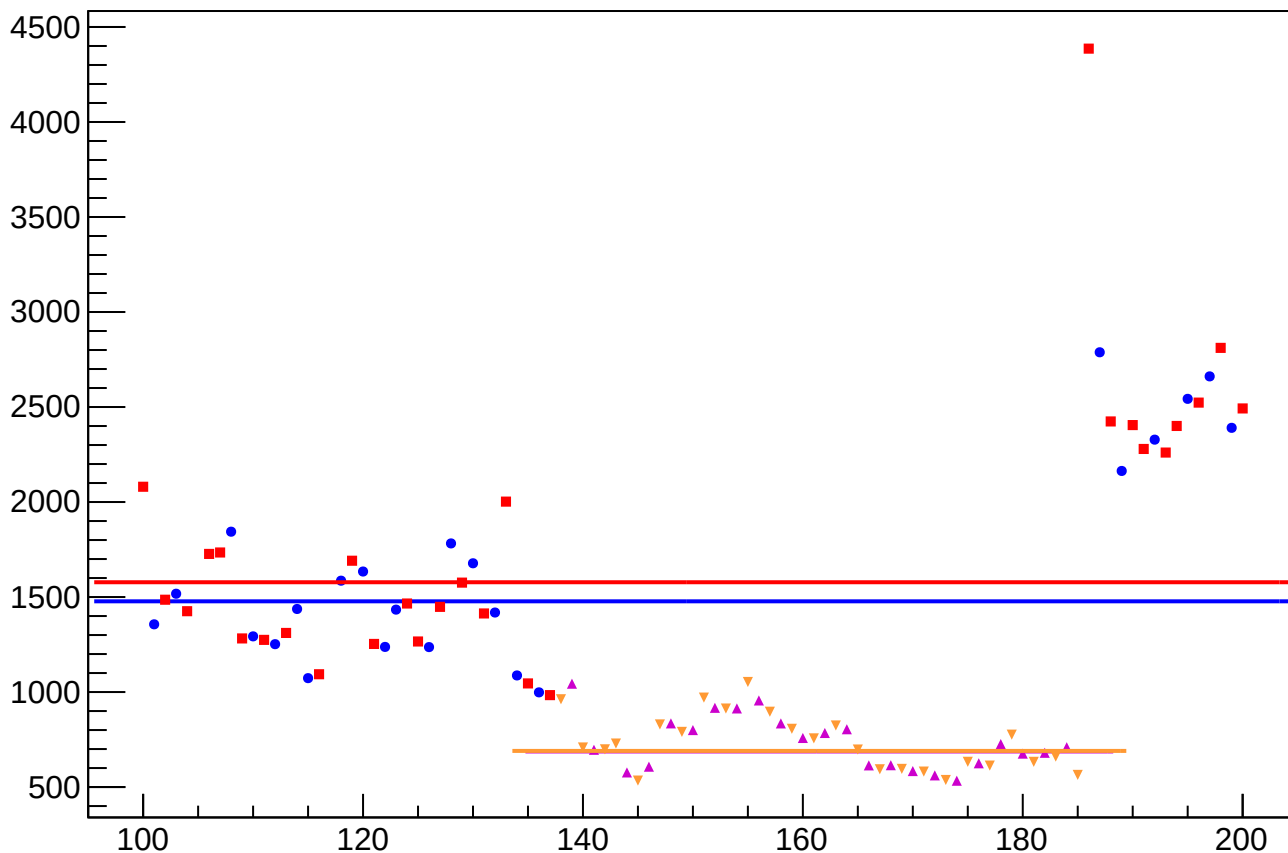
Left In: 65.924 $\pm$ 167.485 χ^2/NDF : 26.4/22

+ sign 872.912 $\pm$ 155.051 χ^2/NDF : 88.8/47

All: 531.665 $\pm$ 110.498 χ^2/NDF : 146.0/98

- sign 179.491 $\pm$ 157.514 χ^2/NDF : 47.3/50

asym_sam_2468_avg_rms vs Slug



Right In: 1477.433 $\pm$ 0.338 χ^2 /NDF: 1901342.8/22

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

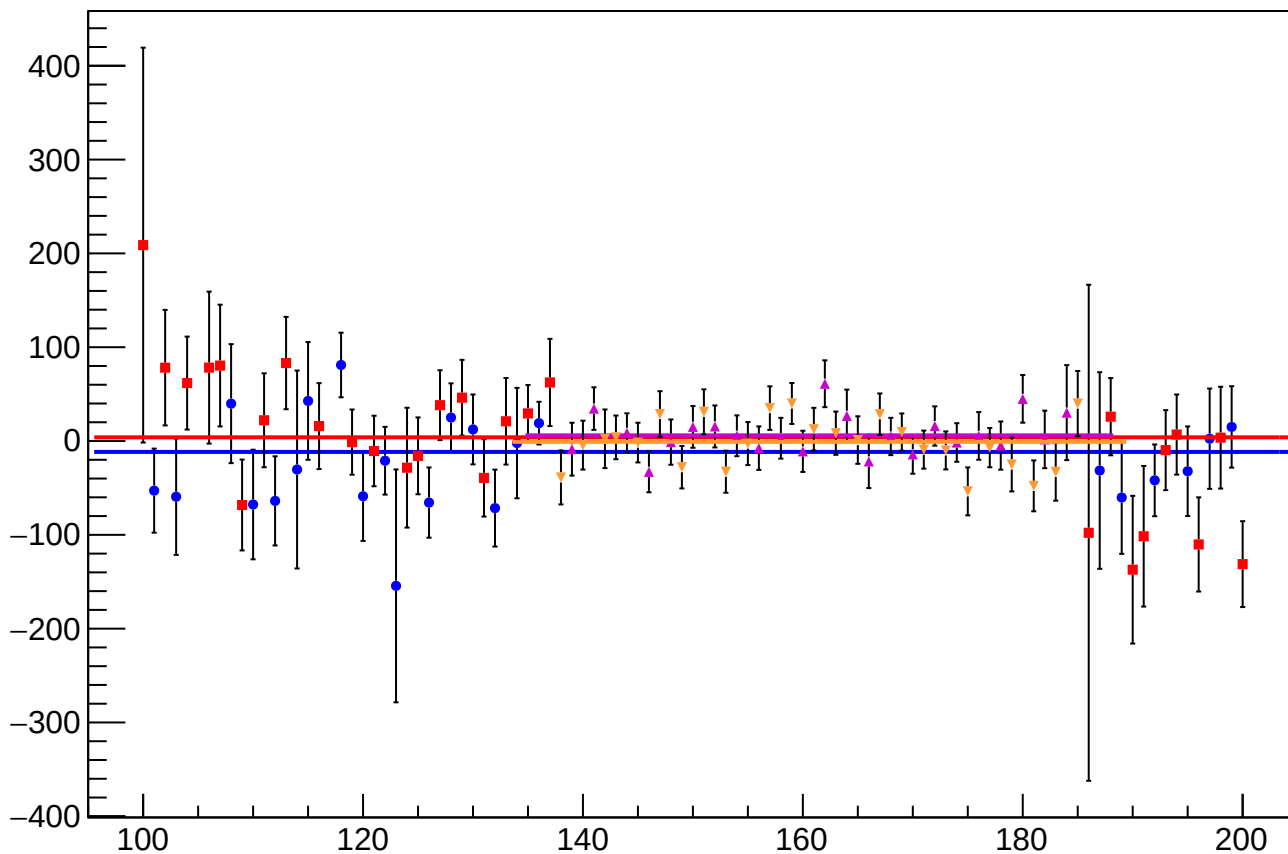
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF:1099706.1/22

+ sign 772.757 $\pm$ 0.110 χ^2 /NDF: 8001265.8/47

All: 781.291 $\pm$ 0.078 χ^2 /NDF: 18180701.0/98

- sign 790.099 $\pm$ 0.111 χ^2 /NDF: 10167123.2/50

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -11.606 ± 9.294 χ^2/NDF : 24.1/22

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 3.955 ± 8.987 χ^2/NDF : 36.8/27

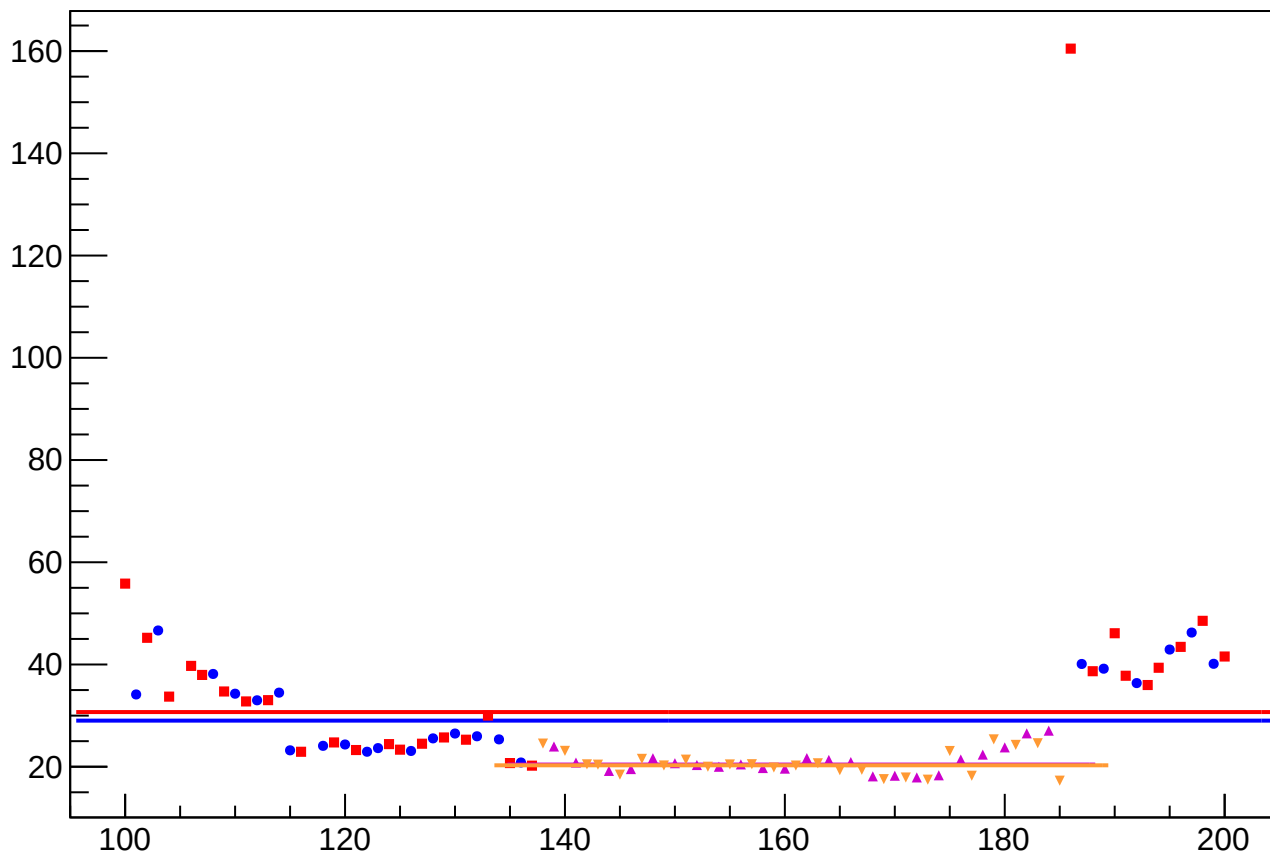
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.094 ± 4.237 χ^2/NDF : 53.0/47

All: 1.150 ± 3.025 χ^2/NDF : 108.8/98

- sign 5.560 ± 4.319 χ^2/NDF : 53.7/50

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.019+/-0.007 χ^2/NDF : 1420361.5/22

Left Out: 20.279+/-0.003 χ^2/NDF : 407056.4/24

Right Out: 30.695+/-0.006 χ^2/NDF : 2159583.6/27

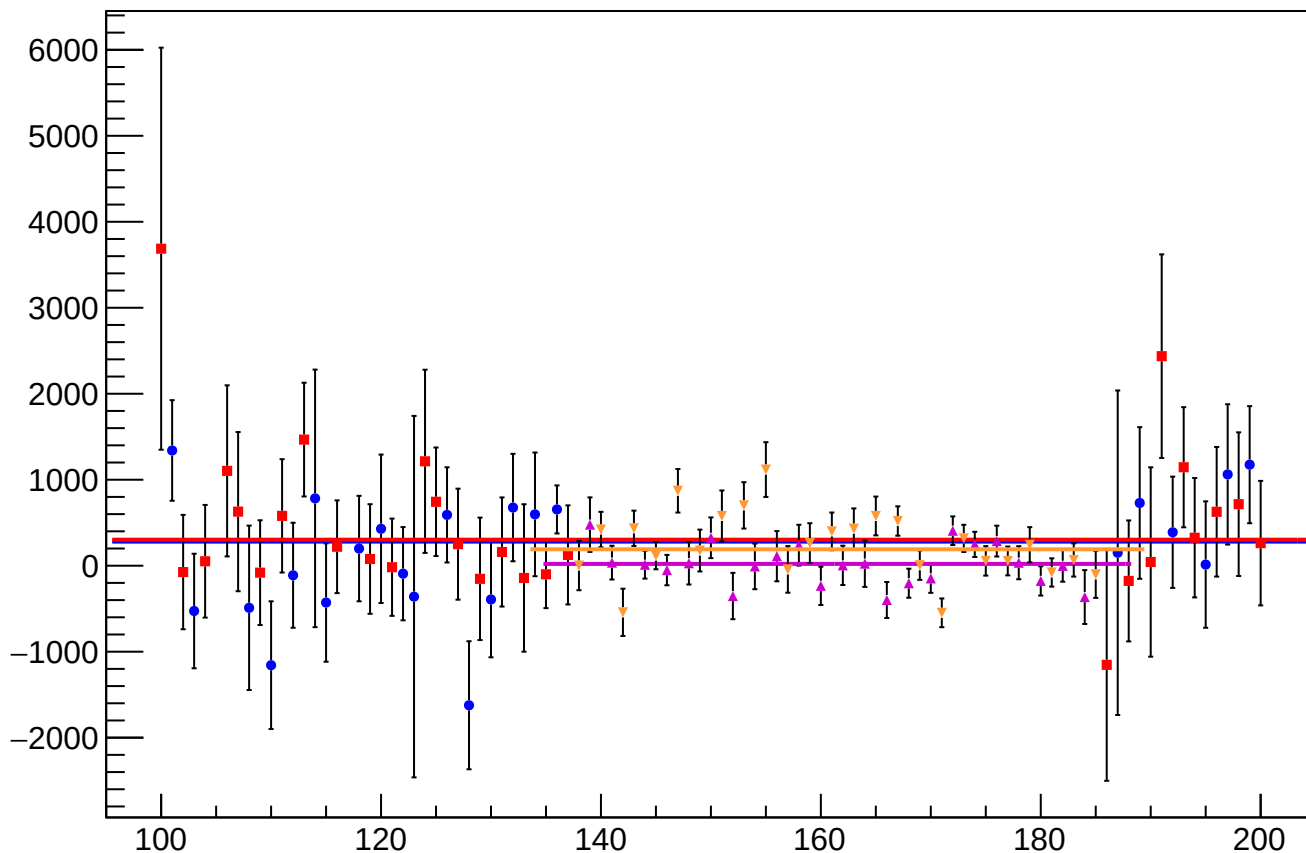
Left In: 20.424+/-0.003 χ^2/NDF : 323427.4/22

+ sign 22.096+/-0.003 χ^2/NDF : 3228563.7/47

All: 22.439+/-0.002 χ^2/NDF : 7747356.7/98

- sign 22.796+/-0.003 χ^2/NDF : 4491987.3/50

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 280.502 ± 134.841 χ^2/NDF : 24.6/22

Left Out: 190.867 ± 41.314 χ^2/NDF : 67.9/24

Right Out: 302.491 ± 131.687 χ^2/NDF : 17.4/27

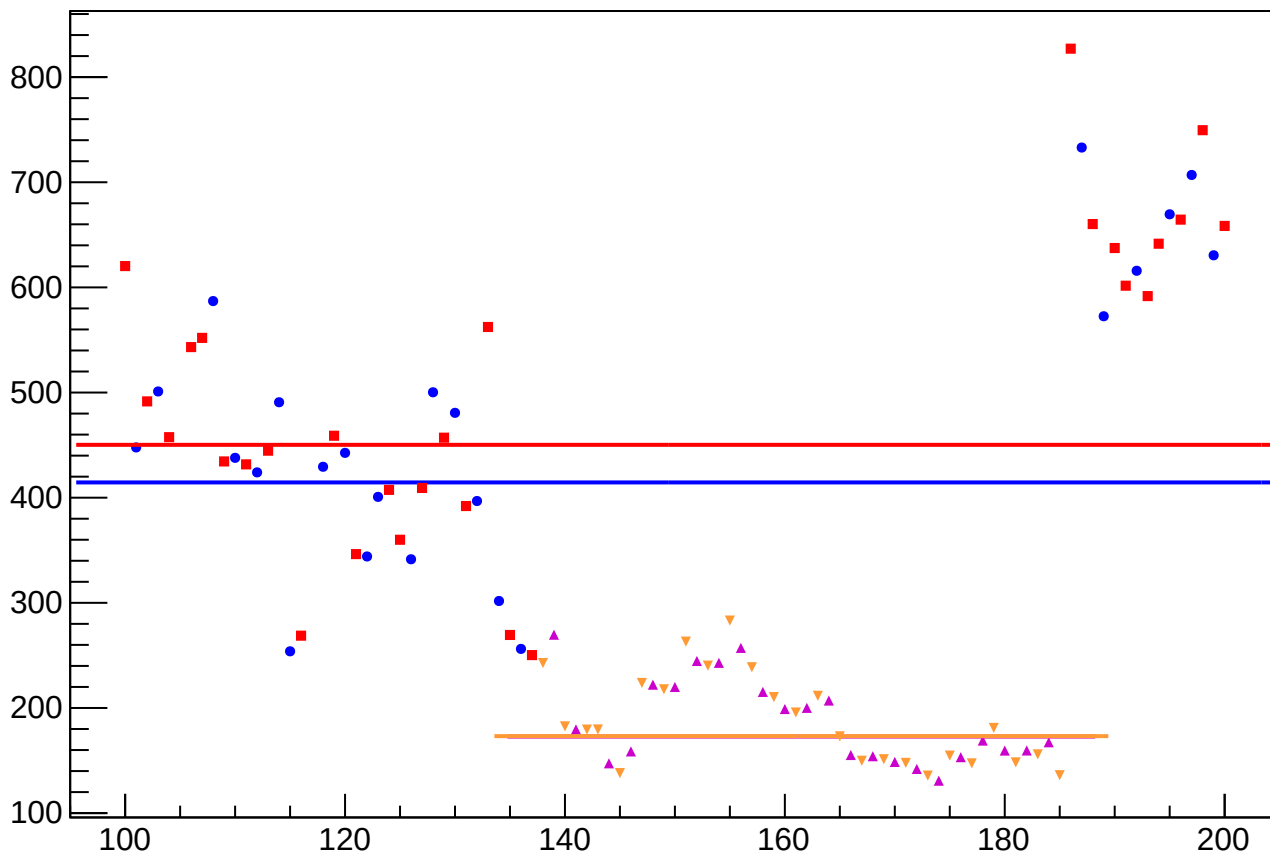
Left In: 20.998 ± 42.291 χ^2/NDF : 27.7/22

+ sign 198.559 ± 39.501 χ^2/NDF : 92.9/47

All: 124.386 ± 28.198 χ^2/NDF : 149.4/98

- sign 47.316 ± 40.265 χ^2/NDF : 49.3/50

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 414.512 ± 0.095 χ^2/NDF : 2046717.0/22

Left Out: 173.210 ± 0.029 χ^2/NDF : 1561250.6/24

Right Out: 450.266 ± 0.093 χ^2/NDF : 2366629.7/27

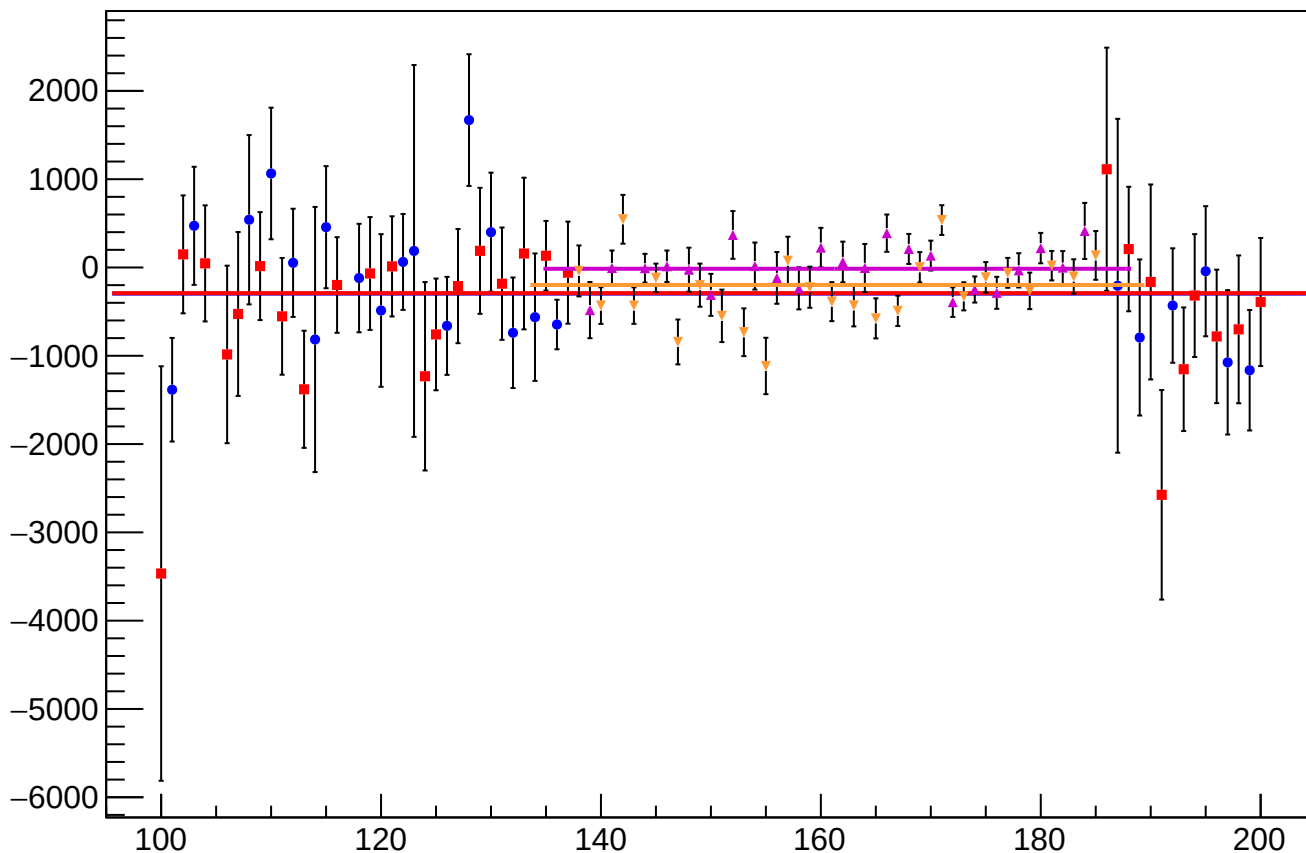
Left In: 172.828 ± 0.030 χ^2/NDF : 1372131.7/22

+ sign 193.918 ± 0.028 χ^2/NDF : 9463196.3/47

All: 196.296 ± 0.020 χ^2/NDF : 21264013.3/98

- sign 198.766 ± 0.028 χ^2/NDF : 11786043.2/50

asym_sam_1357_2468_dd_mean vs Slug



Right In: -295.701 ± 135.215 χ^2/NDF : 24.7/22

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -290.914 ± 132.080 χ^2/NDF : 17.5/27

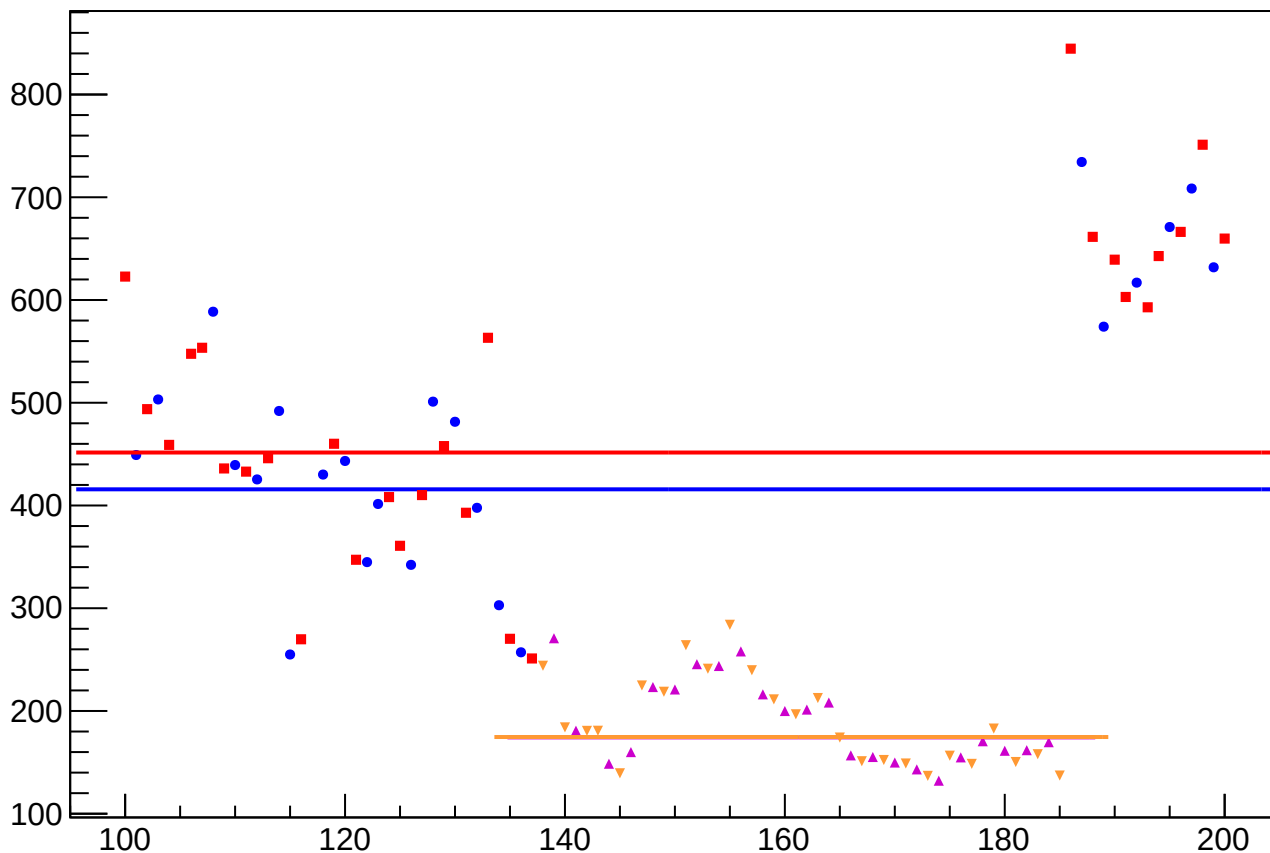
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -206.387 ± 39.794 χ^2/NDF : 89.5/47

All: -125.132 ± 28.409 χ^2/NDF : 147.1/98

- sign -40.683 ± 40.569 χ^2/NDF : 49.1/50

asym_sam_1357_2468_dd_rms vs Slug



Right In: 415.736 $\pm$ 0.096 χ^2 /NDF: 2040777.4/22

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

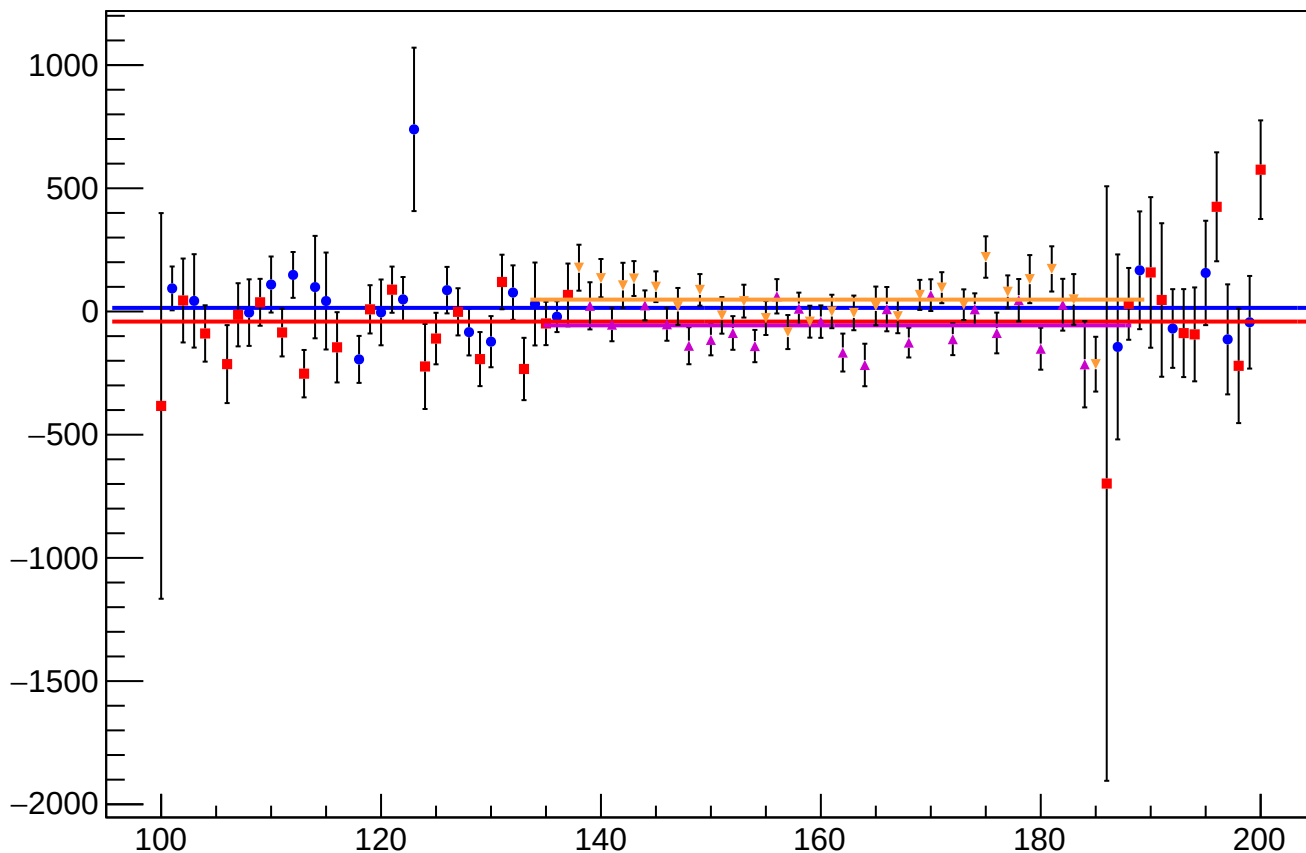
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF:1344779.5/22

+ sign 195.529 $\pm$ 0.028 χ^2 /NDF: 9380200.4/47

All: 197.941 $\pm$ 0.020 χ^2 /NDF: 21092264.3/98

- sign 200.447 $\pm$ 0.029 χ^2 /NDF: 11697088.6/50

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.622 ± 25.223 χ^2/NDF : 19.3/22

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: -40.914 ± 24.627 χ^2/NDF : 34.8/27

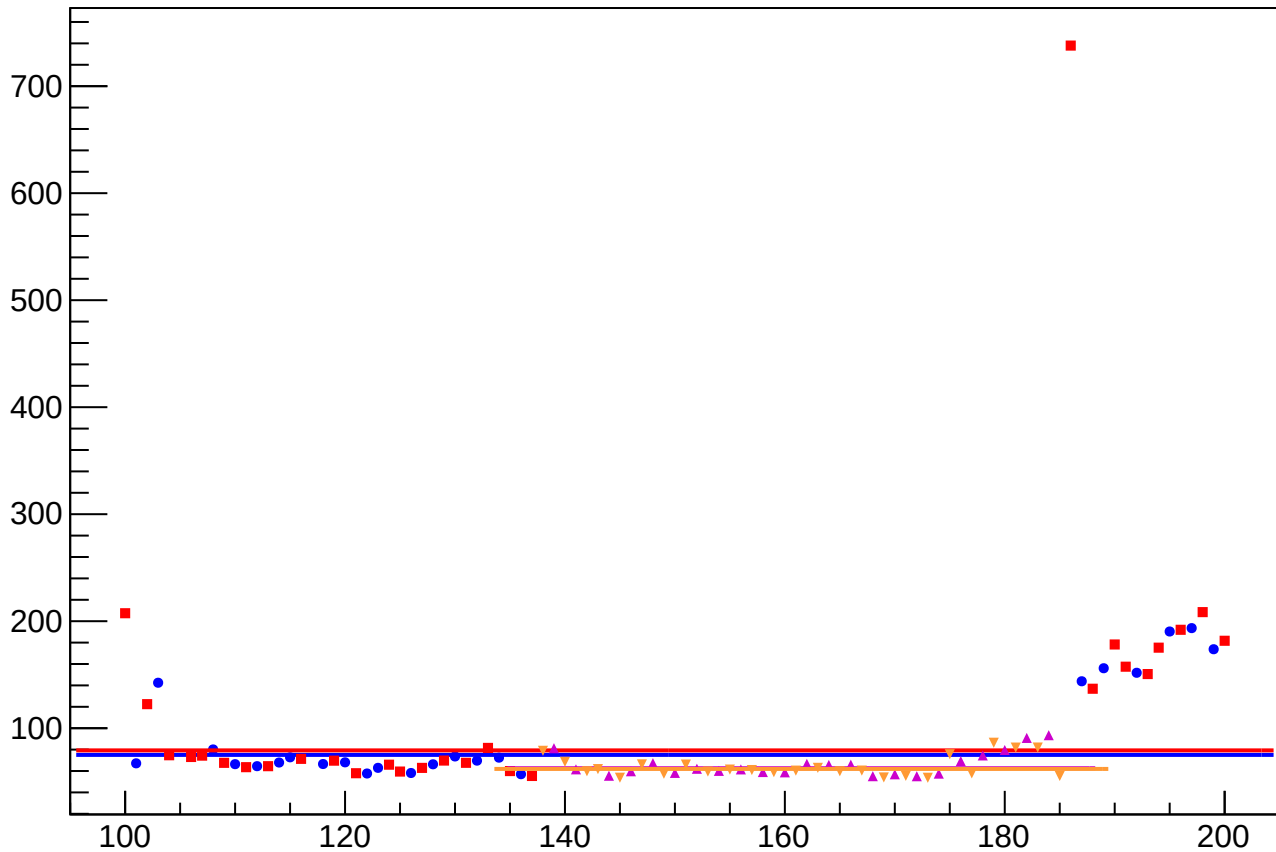
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 39.784 ± 12.646 χ^2/NDF : 49.9/47

All: -5.179 ± 9.039 χ^2/NDF : 138.3/98

- sign -52.138 ± 12.924 χ^2/NDF : 62.5/50

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 75.058 ± 0.018 χ^2/NDF : 3129187.9/22

Left Out: 61.946 ± 0.010 χ^2/NDF : 604989.2/24

Right Out: 79.274 ± 0.017 χ^2/NDF : 4529946.6/27

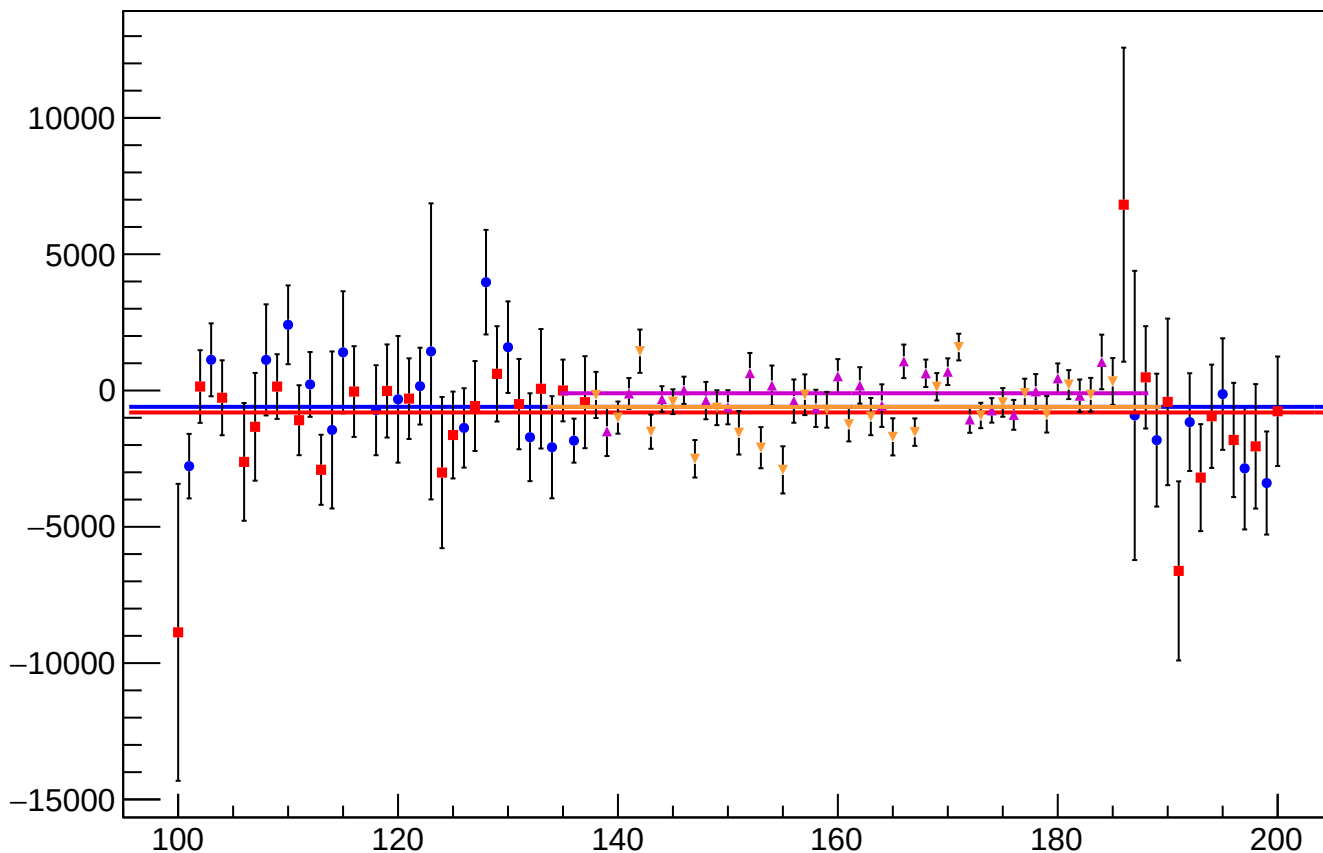
Left In: 62.607 ± 0.011 χ^2/NDF : 575516.1/22

+ sign 65.242 ± 0.009 χ^2/NDF : 4138766.9/47

All: 66.198 ± 0.006 χ^2/NDF : 9931382.6/98

- sign 67.197 ± 0.009 χ^2/NDF : 5769241.5/50

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -599.252 ± 340.108 $\chi^2/\text{NDF}: 26.6/22$

Left Out: -601.486 ± 122.119 $\chi^2/\text{NDF}: 65.4/24$

Right Out: -804.547 ± 327.529 $\chi^2/\text{NDF}: 17.3/27$

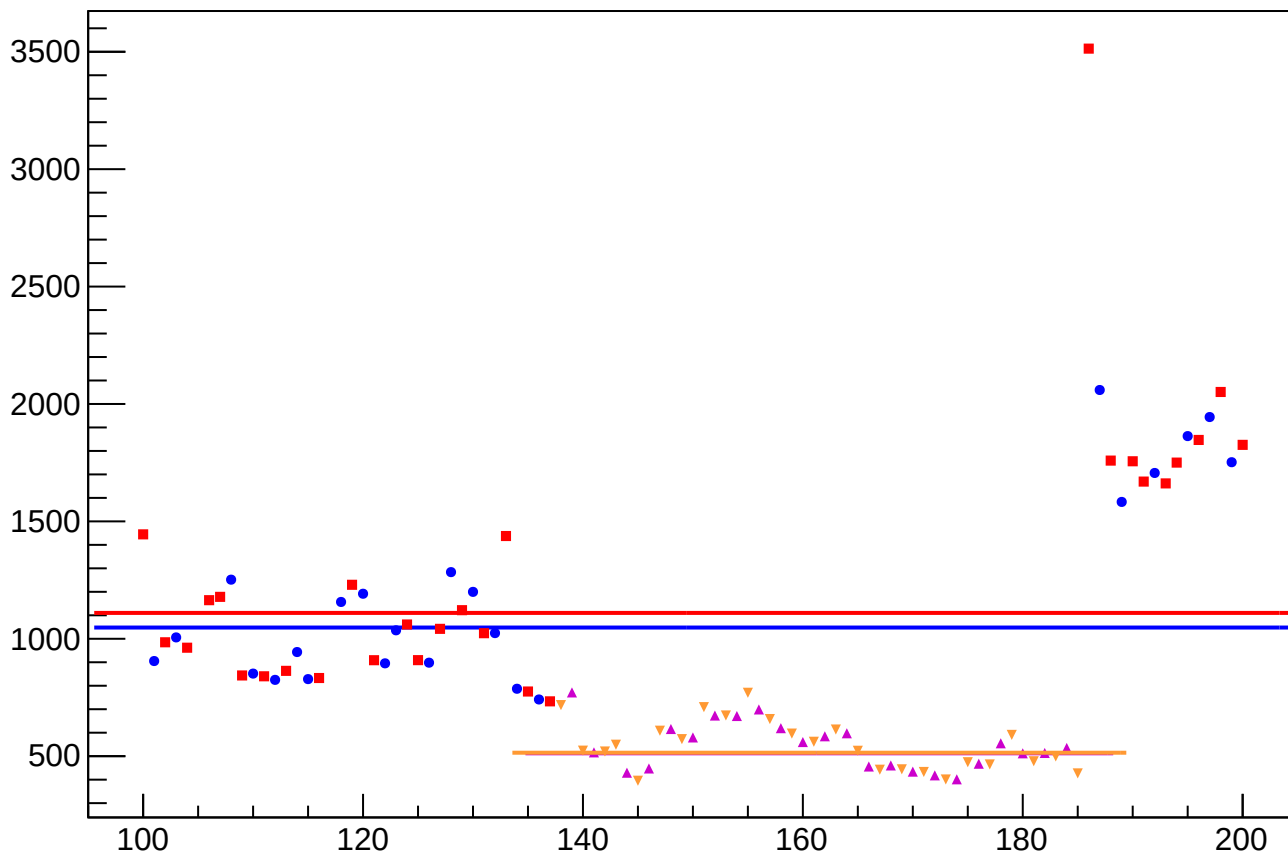
Left In: -100.548 ± 124.725 $\chi^2/\text{NDF}: 25.5/22$

+ sign -601.231 ± 114.934 $\chi^2/\text{NDF}: 92.0/47$

All: -398.358 ± 81.839 $\chi^2/\text{NDF}: 145.1/98$

- sign -189.707 ± 116.559 $\chi^2/\text{NDF}: 46.8/50$

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1047.870+/-0.240 χ^2/NDF : 1968227.5/22

Left Out: 514.758+/-0.086 χ^2/NDF :1194945.9/24

Right Out: 1110.142+/-0.232 χ^2/NDF : 2739841.7/27

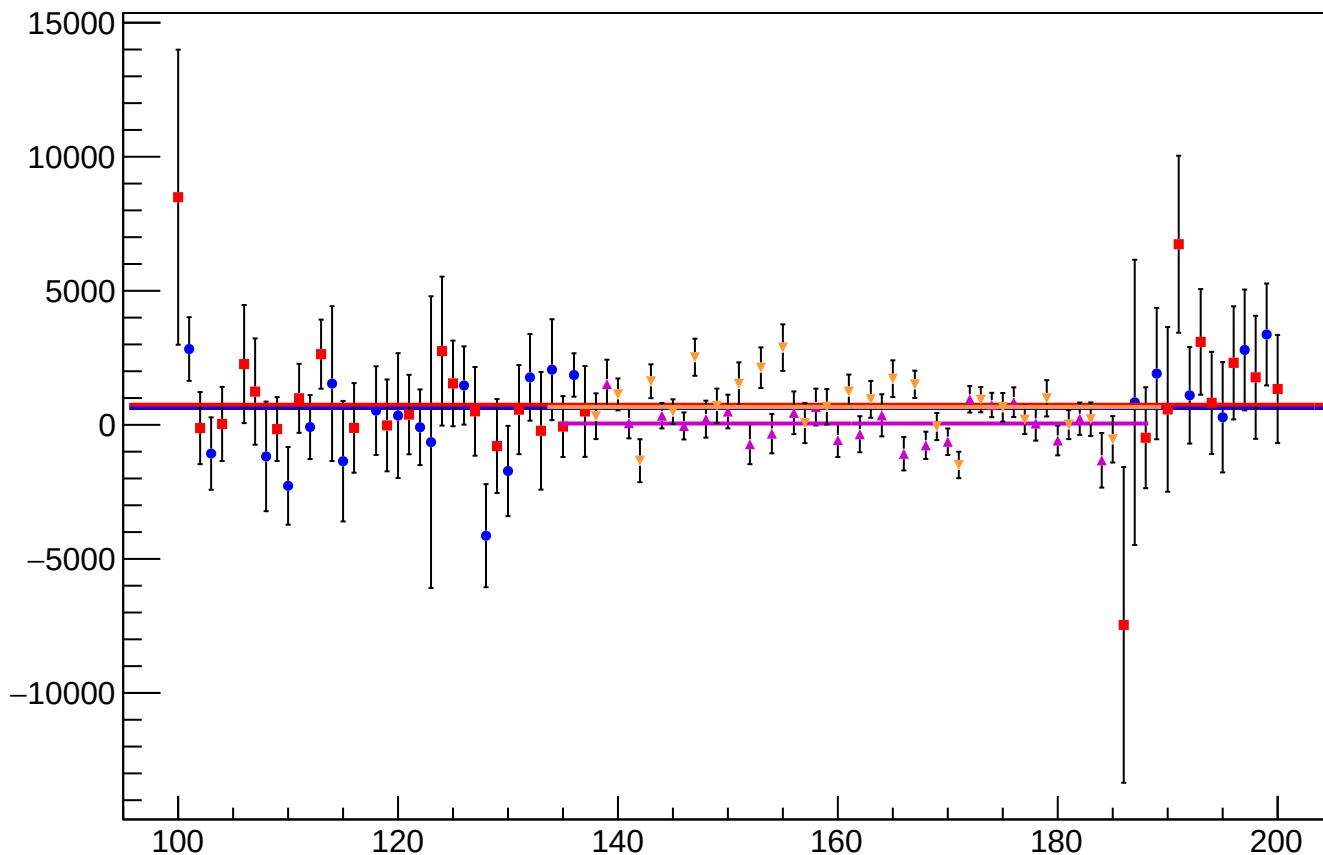
Left In: 512.199+/-0.088 χ^2/NDF :1041302.8/22

+ sign 575.639+/-0.081 χ^2/NDF : 7515973.1/47

All: 581.697+/-0.058 χ^2/NDF : 17129947.9/98

- sign 587.927+/-0.082 χ^2/NDF : 9602704.9/50

asym_sam_12345678_avg_mean vs Slug



Right In: 629.098 $\pm$ 341.339 χ^2 /NDF: 26.6/22

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

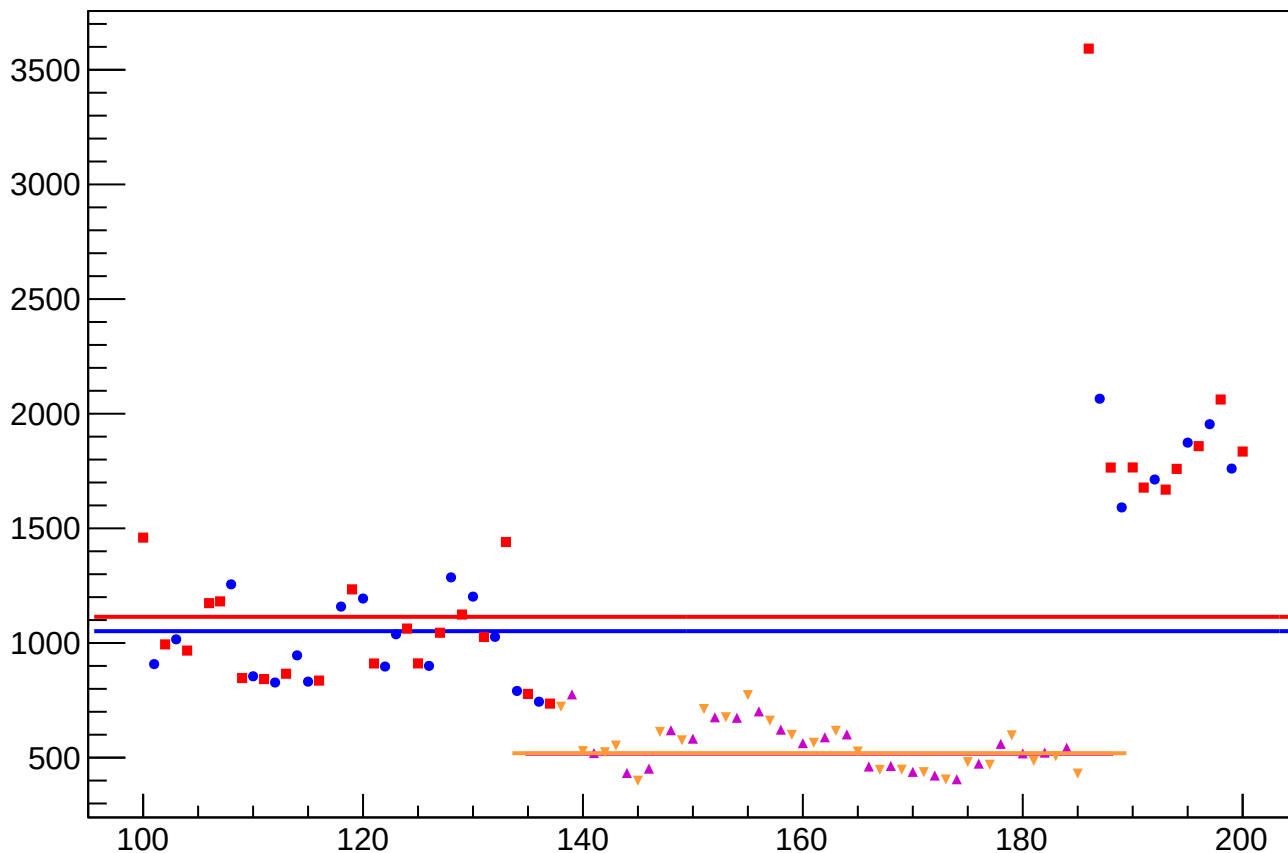
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF:26.1/22

+ sign 663.188 $\pm$ 115.838 χ^2 /NDF: 88.1/47

All: 404.993 $\pm$ 82.492 χ^2 /NDF: 144.9/98

- sign 139.323 $\pm$ 117.503 χ^2 /NDF: 46.7/50

asym_sam_12345678_avg_rms vs Slug



Right In: 1051.551+/-0.241 χ^2/NDF : 1972637.1/22

Left Out: 519.254+/-0.087 χ^2/NDF : 1172411.1/24

Right Out: 1114.176+/-0.233 χ^2/NDF : 2753673.0/27

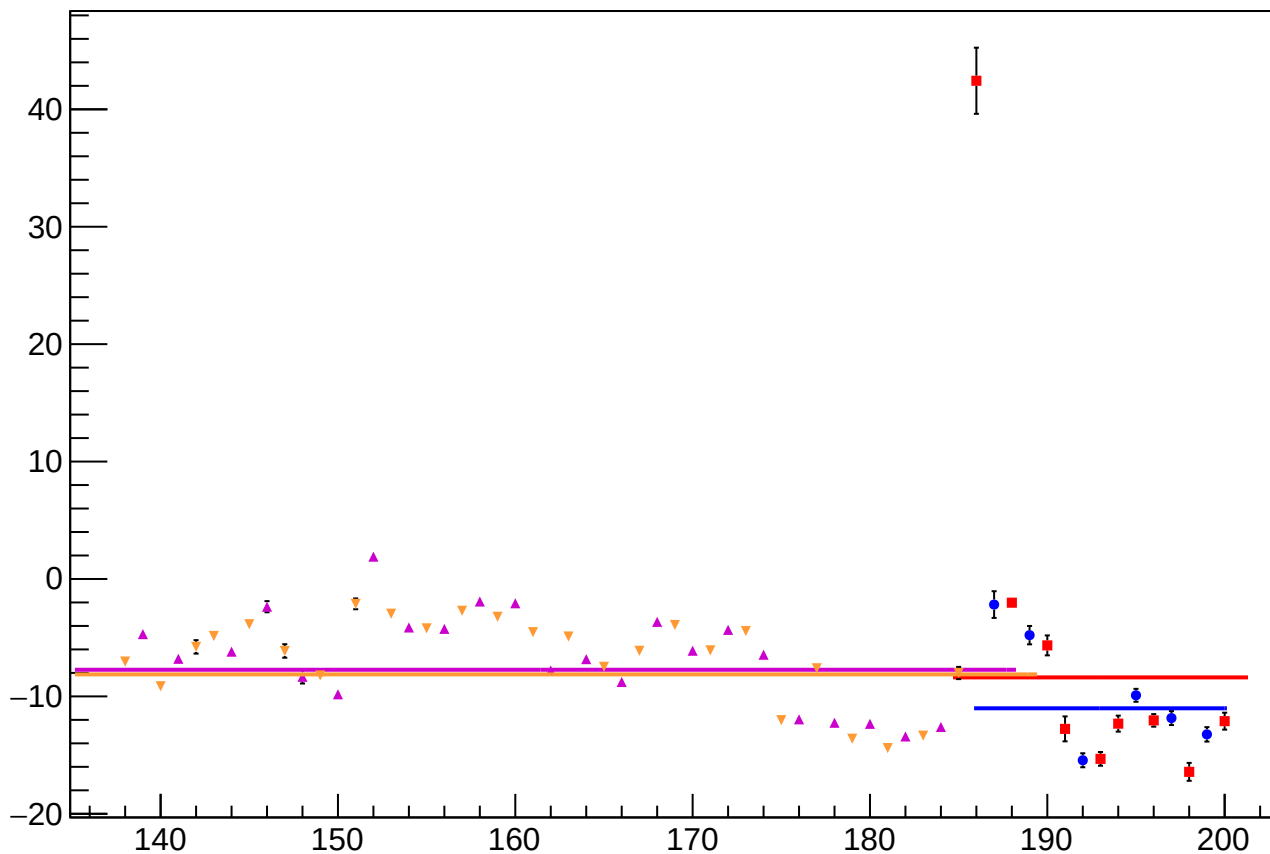
Left In: 516.792+/-0.089 χ^2/NDF : 1021374.1/22

+ sign 580.557+/-0.082 χ^2/NDF : 7448595.8/47

All: 586.707+/-0.058 χ^2/NDF : 16990640.0/98

- sign 593.035+/-0.083 χ^2/NDF : 9530606.3/50

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -11.015 ± 0.267 χ^2/NDF : 198.0/5

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -8.383 ± 0.206 χ^2/NDF : 1070.7/8

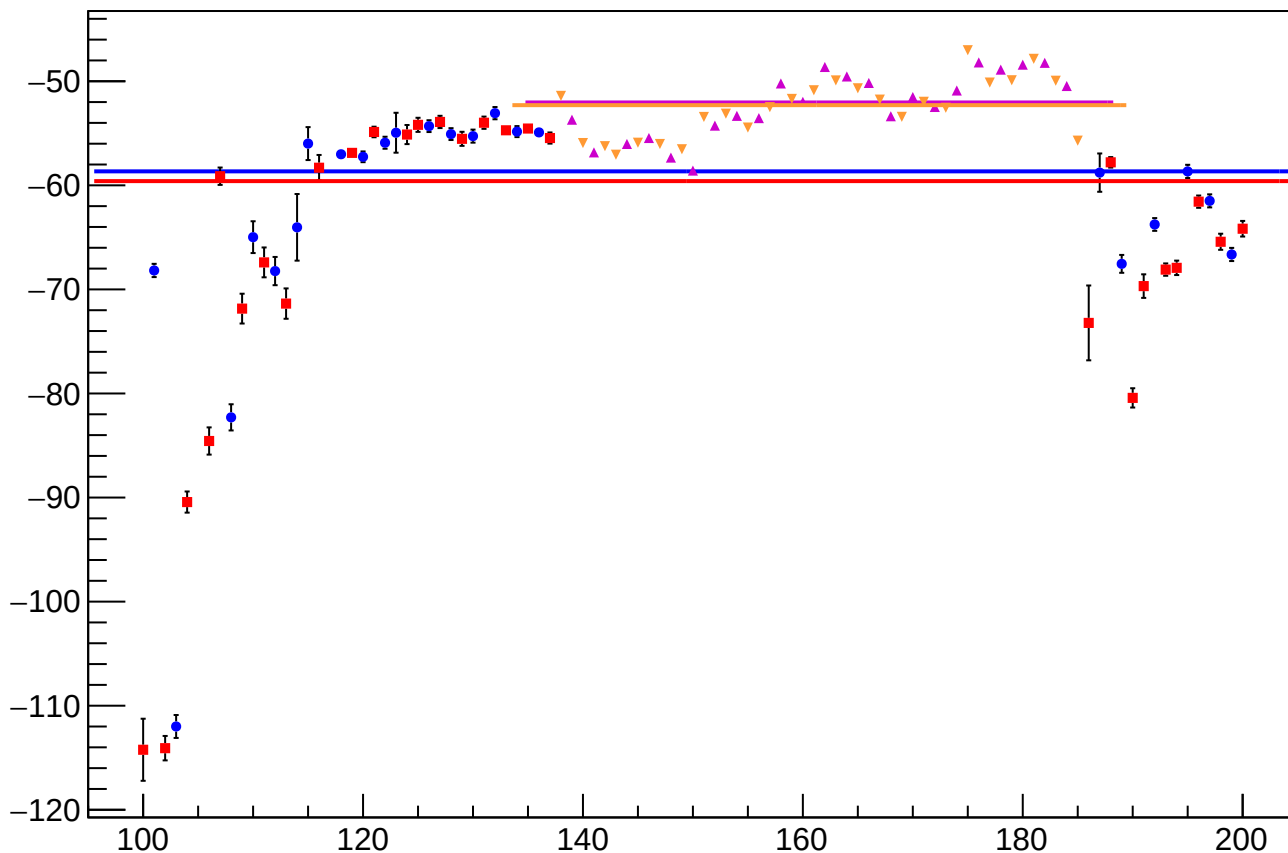
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -8.300 ± 0.065 χ^2/NDF : 3943.3/30

All: -8.048 ± 0.046 χ^2/NDF : 8771.6/62

- sign -7.797 ± 0.065 χ^2/NDF : 4798.7/31

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.657 ± 0.128 $\chi^2/\text{NDF}: 3871.5/22$

Left Out: -52.297 ± 0.055 $\chi^2/\text{NDF}: 2657.5/24$

Right Out: -59.595 ± 0.123 $\chi^2/\text{NDF}: 5937.4/27$

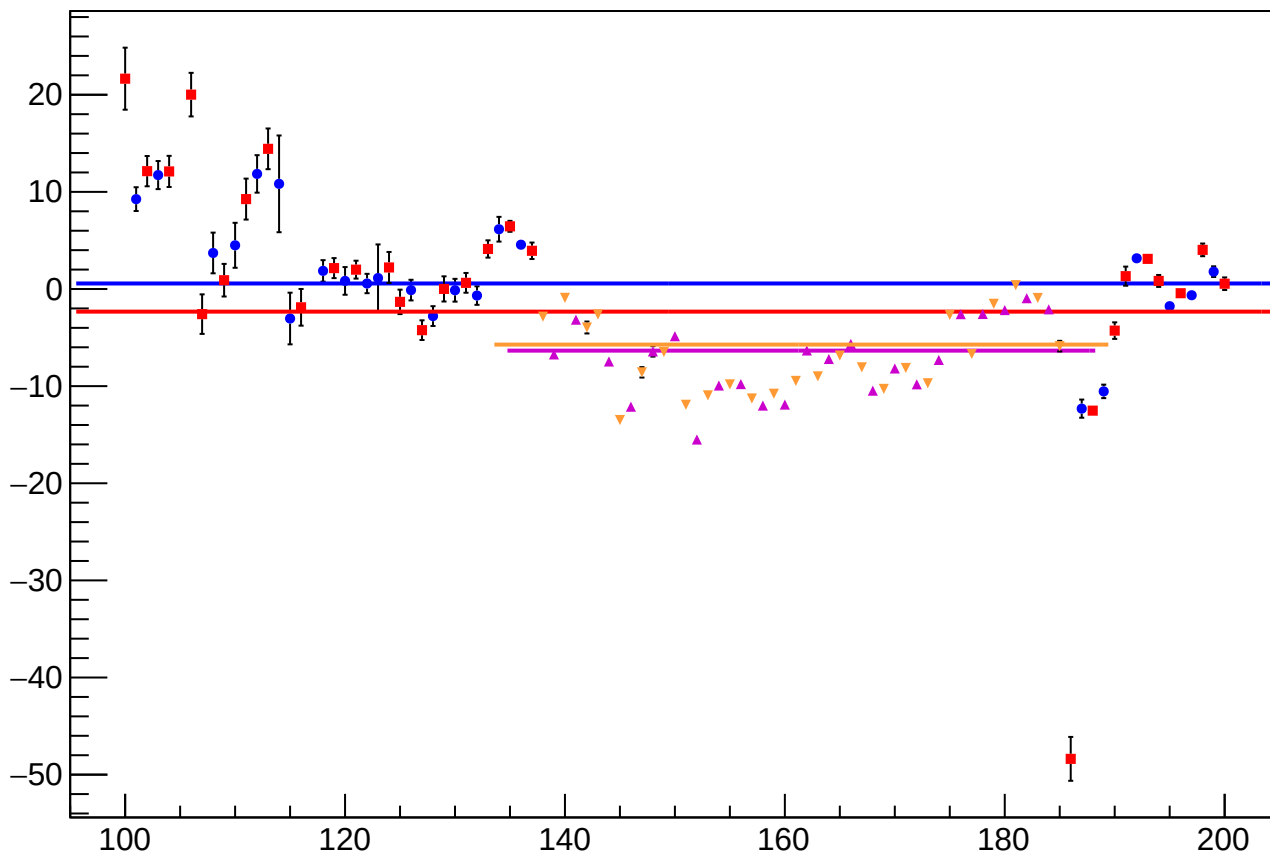
Left In: -52.038 ± 0.057 $\chi^2/\text{NDF}: 3180.4/22$

+ sign -53.284 ± 0.051 $\chi^2/\text{NDF}: 8599.8/47$

All: -53.330 ± 0.036 $\chi^2/\text{NDF}: 20819.5/98$

- sign -53.378 ± 0.052 $\chi^2/\text{NDF}: 12218.0/50$

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 0.570 ± 0.173 χ^2/NDF : 792.6/22

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -2.330 ± 0.147 χ^2/NDF : 2944.3/27

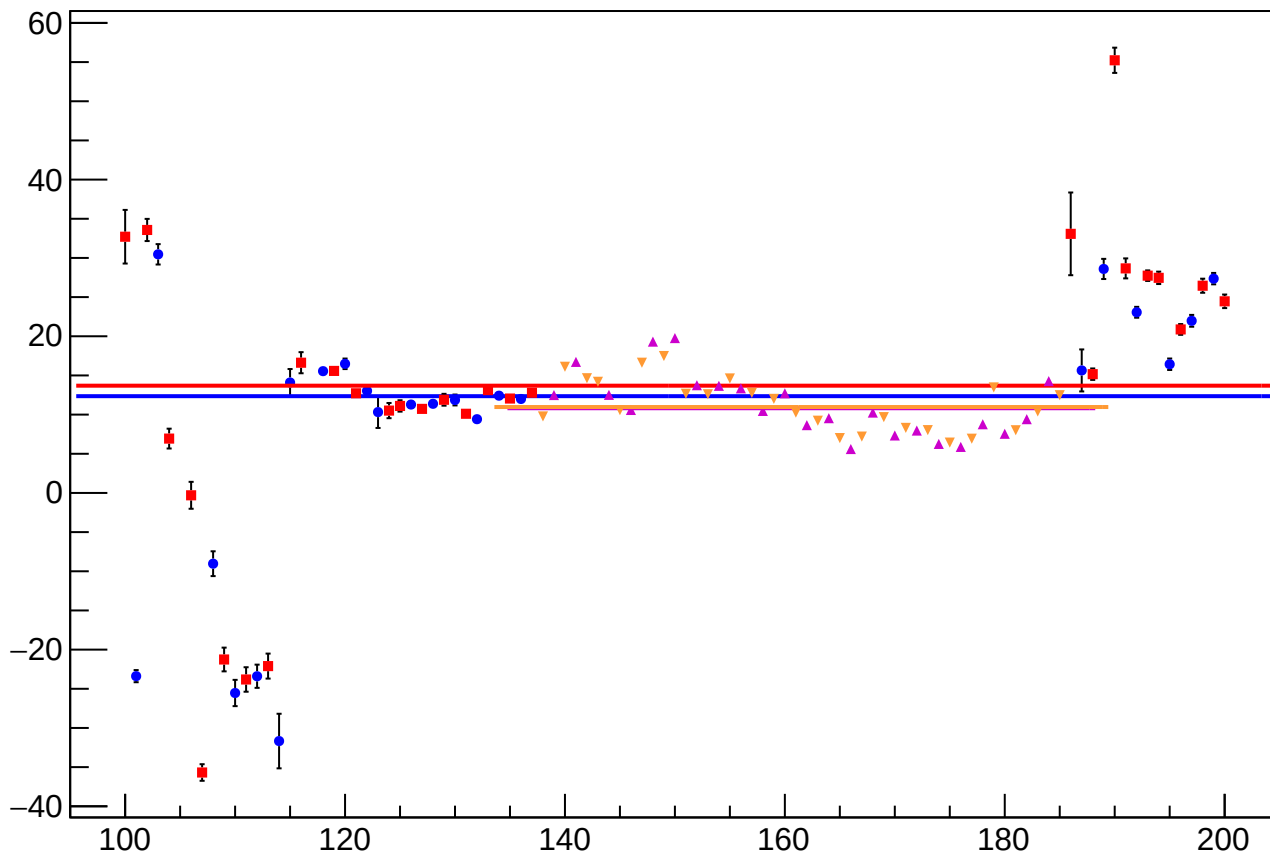
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.885 ± 0.063 χ^2/NDF : 5928.5/47

All: -5.260 ± 0.044 χ^2/NDF : 12937.9/98

- sign -5.627 ± 0.062 χ^2/NDF : 6939.1/50

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.353+/-0.144 χ^2/NDF : 4881.2/22

Left Out: 10.967+/-0.061 χ^2/NDF : 2637.7/24

Right Out: 13.692+/-0.141 χ^2/NDF : 6269.5/27

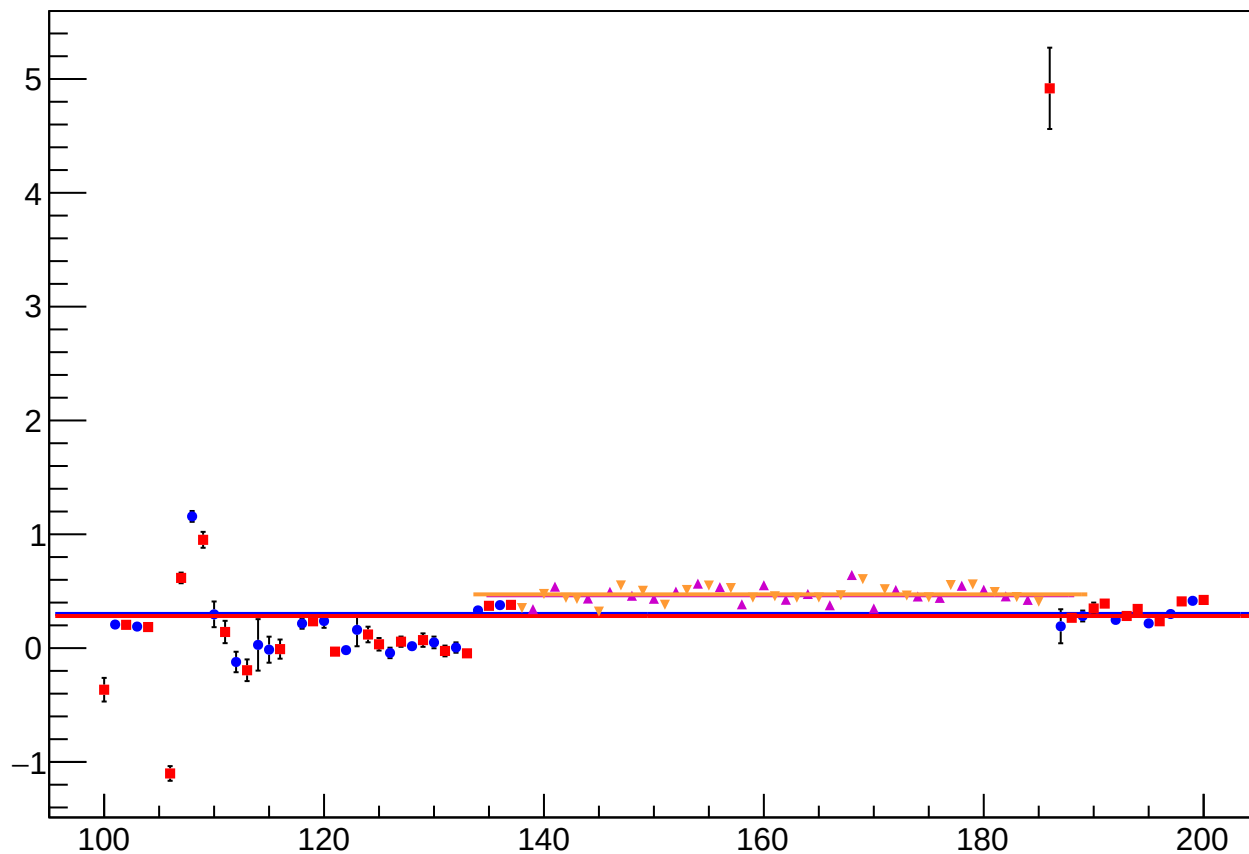
Left In: 10.813+/-0.063 χ^2/NDF : 3546.8/22

+ sign 11.180+/-0.056 χ^2/NDF : 7597.3/47

All: 11.236+/-0.040 χ^2/NDF : 17763.2/98

- sign 11.295+/-0.058 χ^2/NDF : 10163.9/50

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.300 ± 0.007 χ^2/NDF : 698.4/22

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.282 ± 0.006 χ^2/NDF : 1255.7/27

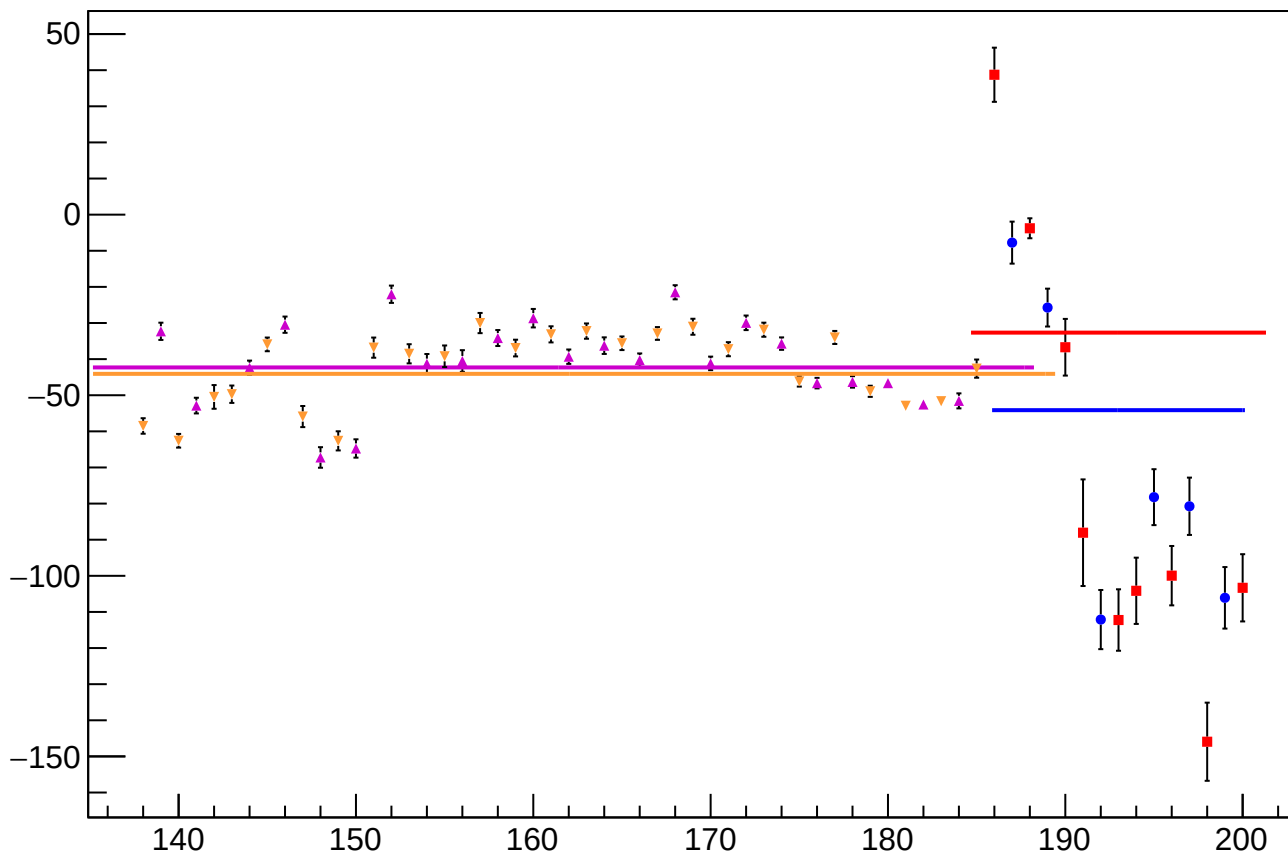
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.446 ± 0.003 χ^2/NDF : 1805.8/47

All: 0.440 ± 0.002 χ^2/NDF : 4509.0/98

- sign 0.434 ± 0.003 χ^2/NDF : 2692.4/50

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -54.134 ± 2.804 χ^2/NDF : 201.2/5

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -32.663 ± 2.085 χ^2/NDF : 596.6/8

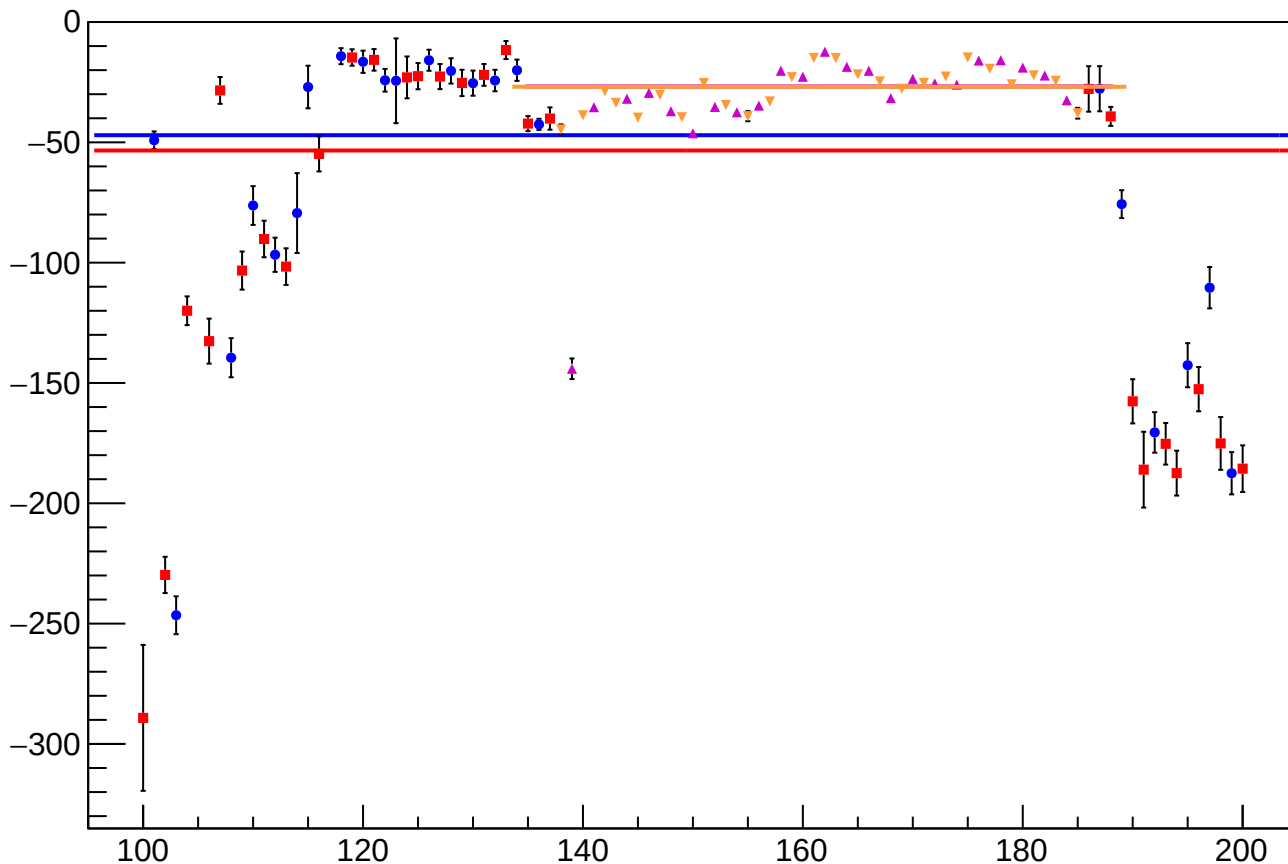
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -44.267 ± 0.385 χ^2/NDF : 846.4/30

All: -43.136 ± 0.275 χ^2/NDF : 2121.8/62

- sign -41.963 ± 0.392 χ^2/NDF : 1257.8/31

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.033 ± 1.085 $\chi^2/\text{NDF}: 1835.0/22$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -53.393 ± 1.099 $\chi^2/\text{NDF}: 2475.8/27$

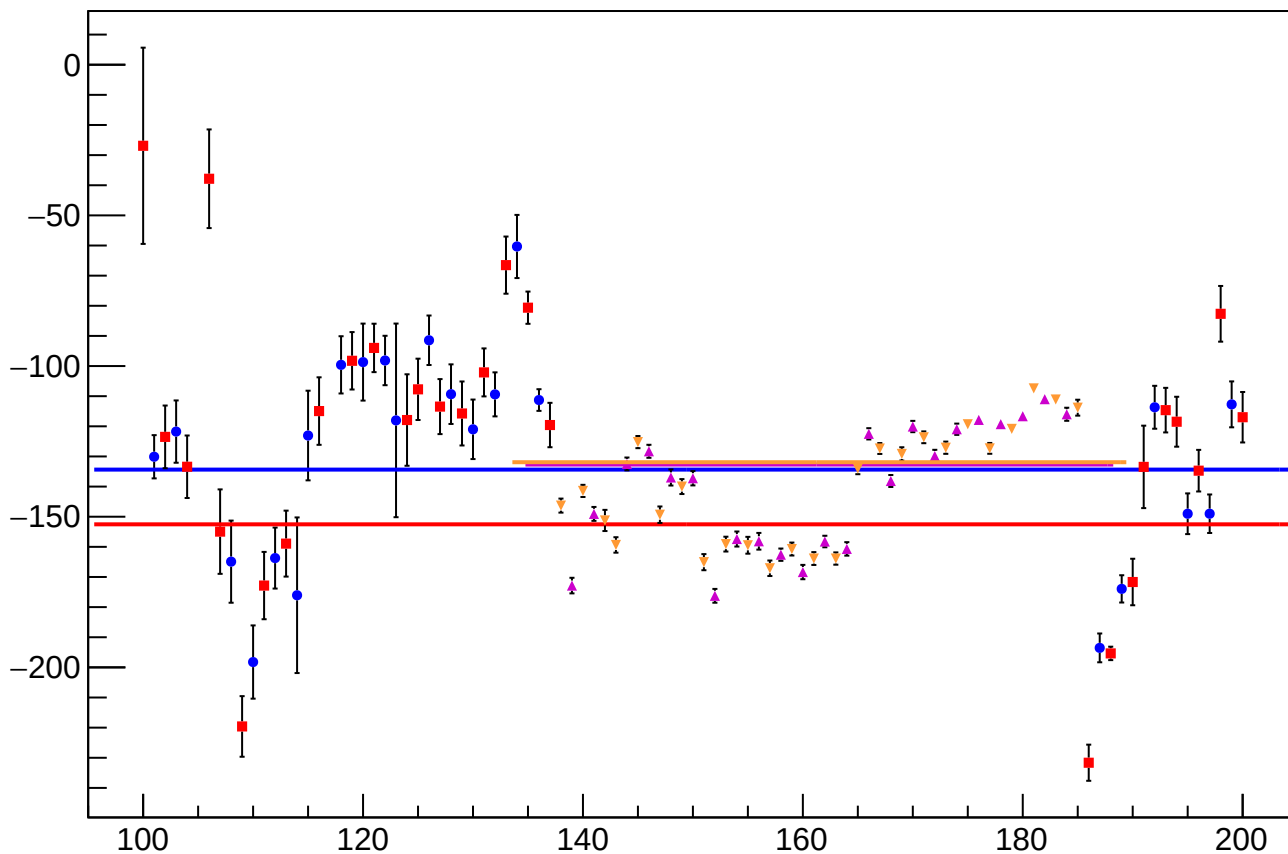
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -28.480 ± 0.304 $\chi^2/\text{NDF}: 2783.5/47$

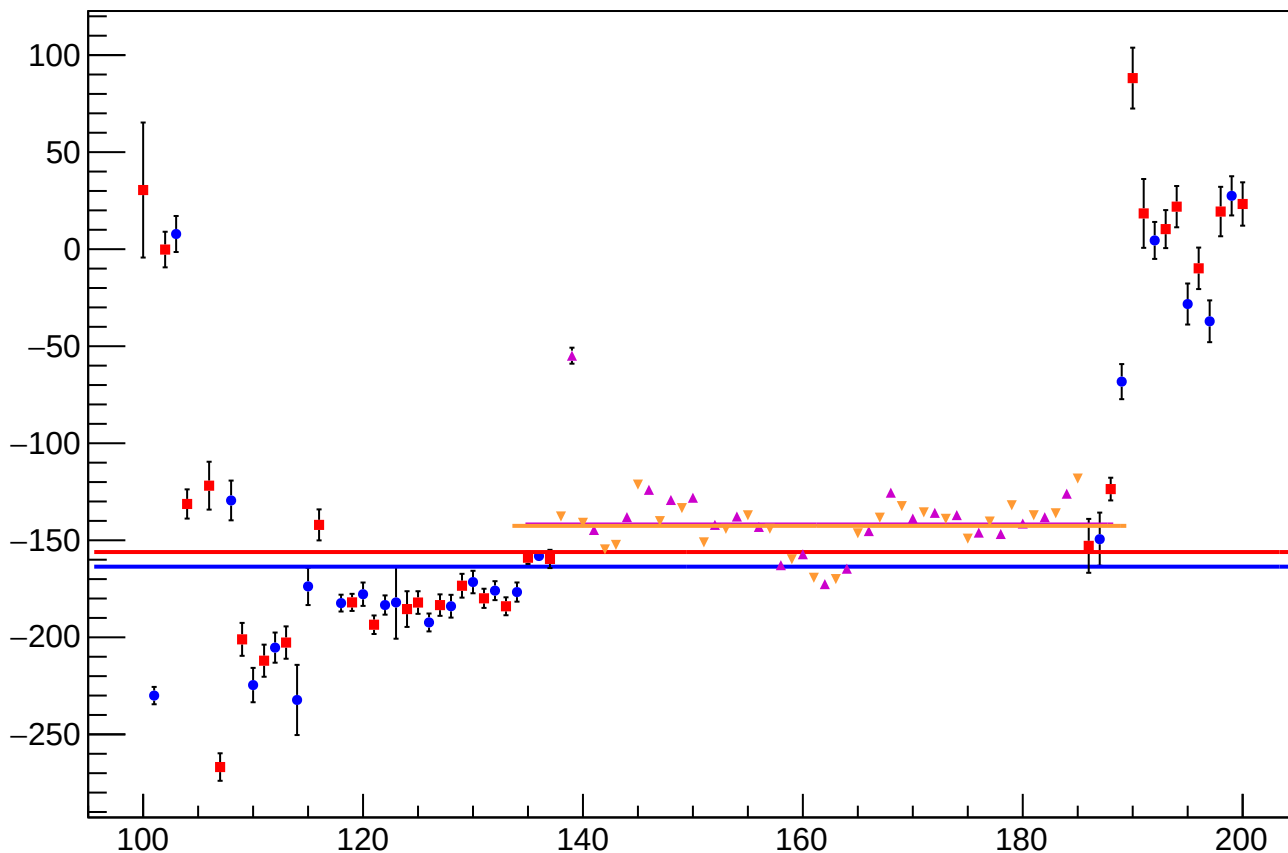
All: -28.698 ± 0.218 $\chi^2/\text{NDF}: 7194.1/98$

- sign -28.930 ± 0.313 $\chi^2/\text{NDF}: 4409.5/50$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -163.588 ± 1.224 $\chi^2/\text{NDF}: 1861.1/22$

Left Out: -142.564 ± 0.354 $\chi^2/\text{NDF}: 1147.7/24$

Right Out: -156.051 ± 1.264 $\chi^2/\text{NDF}: 2482.0/27$

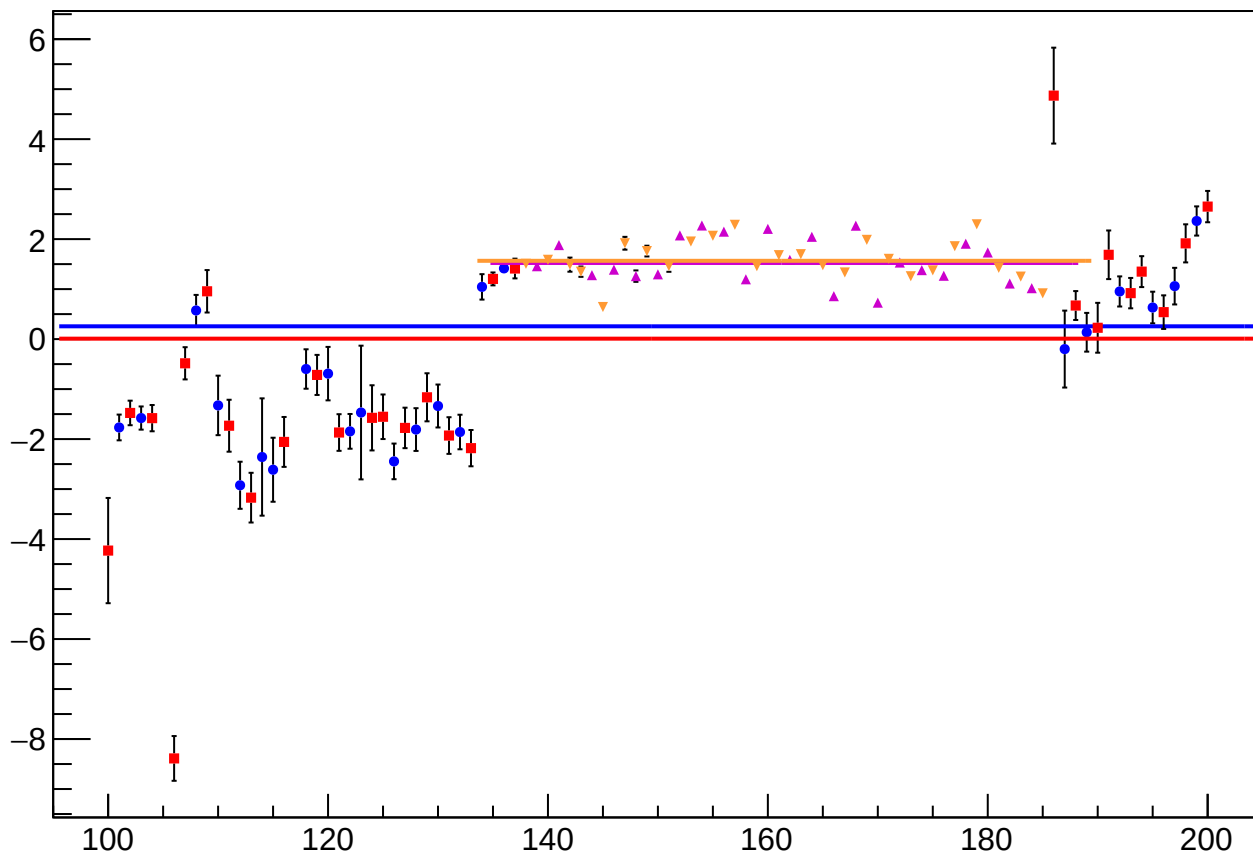
Left In: -141.856 ± 0.364 $\chi^2/\text{NDF}: 1544.3/22$

+ sign -144.187 ± 0.340 $\chi^2/\text{NDF}: 3281.0/47$

All: -143.581 ± 0.244 $\chi^2/\text{NDF}: 7430.2/98$

- sign -142.941 ± 0.350 $\chi^2/\text{NDF}: 4142.6/50$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.256 ± 0.061 χ^2/NDF : 596.7/22

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.009 ± 0.061 χ^2/NDF : 961.2/27

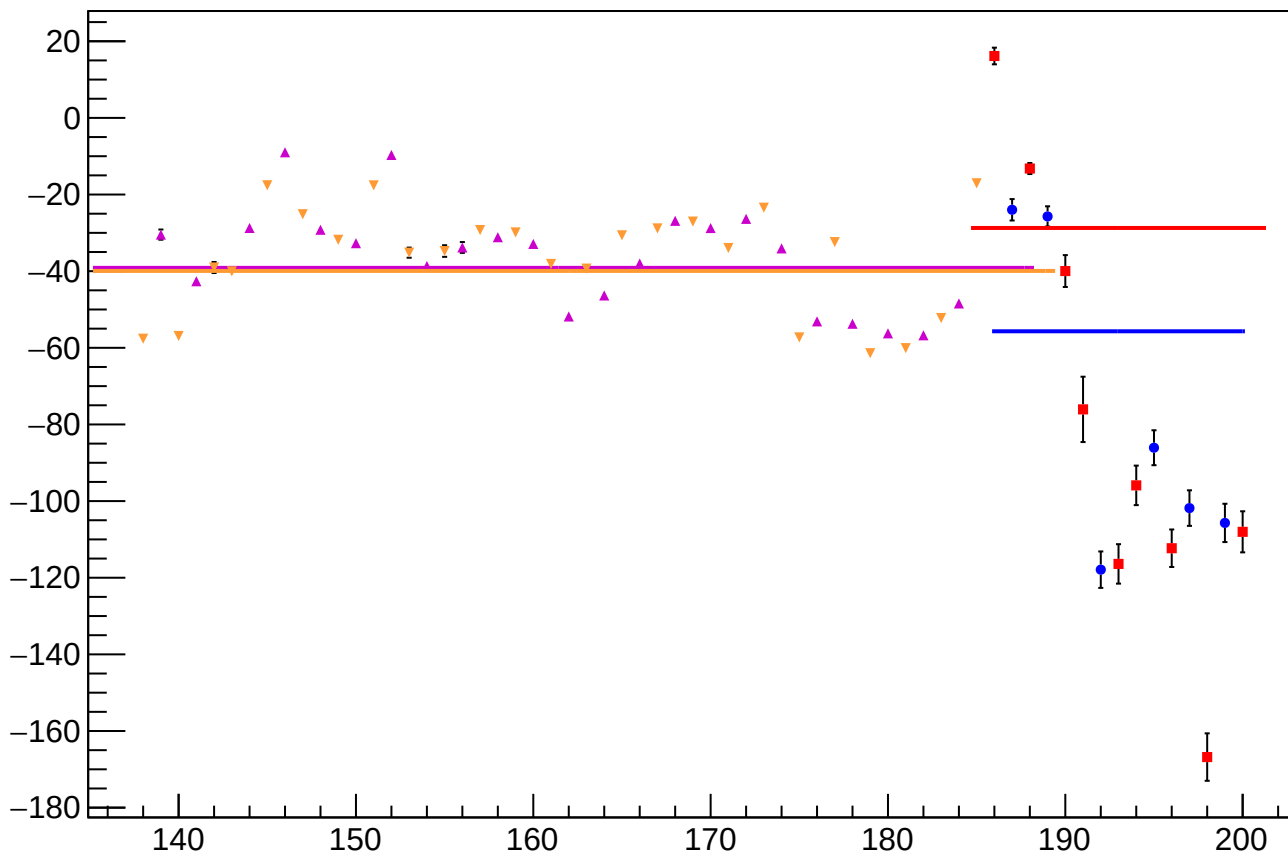
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.480 ± 0.016 χ^2/NDF : 1572.5/47

All: 1.451 ± 0.011 χ^2/NDF : 3845.0/98

- sign 1.421 ± 0.016 χ^2/NDF : 2265.7/50

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -55.687 ± 1.490 χ^2/NDF : 672.4/5

Left Out: -39.935 ± 0.153 χ^2/NDF : 9806.5/24

Right Out: -28.724 ± 1.029 χ^2/NDF : 2049.2/8

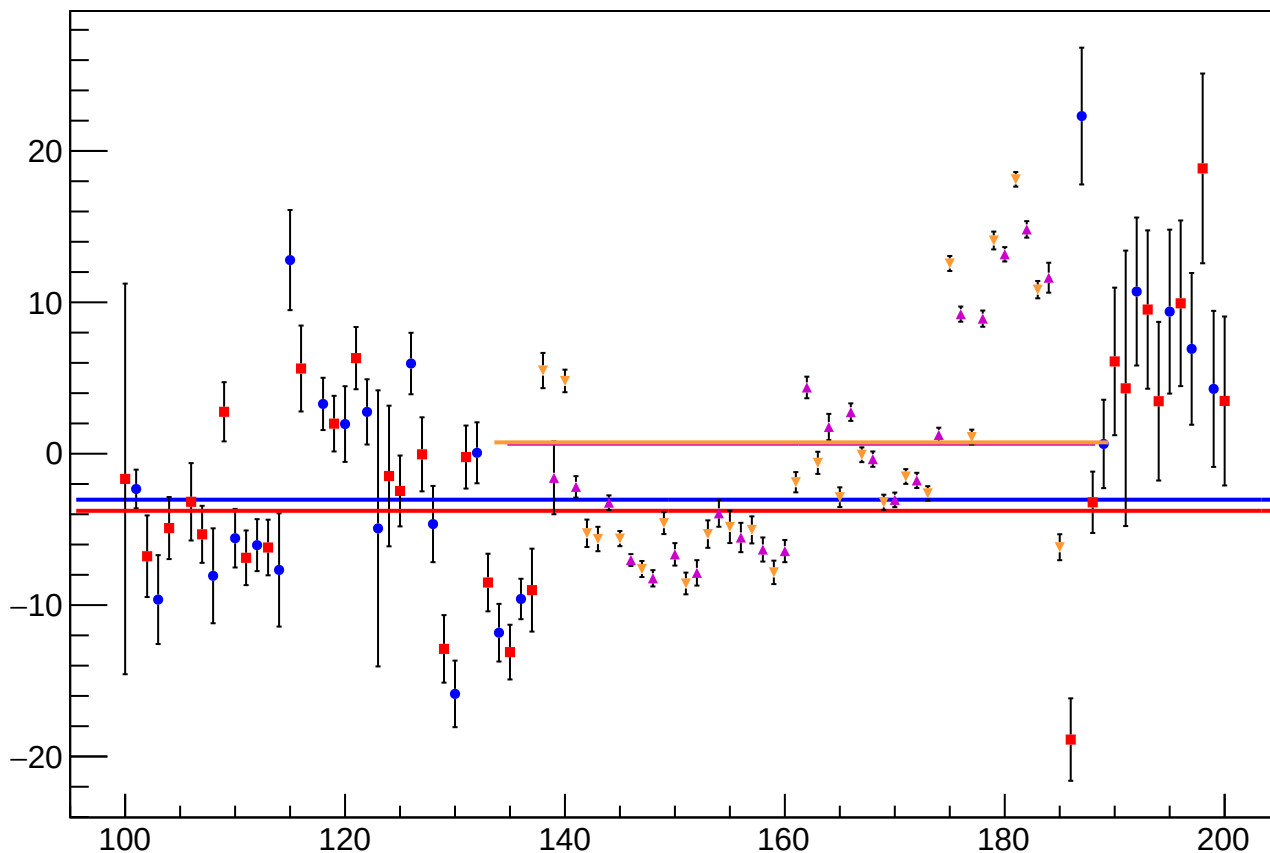
Left In: -39.137 ± 0.155 χ^2/NDF : 8534.5/22

+ sign -40.100 ± 0.152 χ^2/NDF : 10589.5/30

All: -39.506 ± 0.108 χ^2/NDF : 21303.9/62

- sign -38.907 ± 0.153 χ^2/NDF : 10683.9/31

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.038 ± 0.480 $\chi^2/\text{NDF}: 216.0/22$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.771 ± 0.473 $\chi^2/\text{NDF}: 187.3/27$

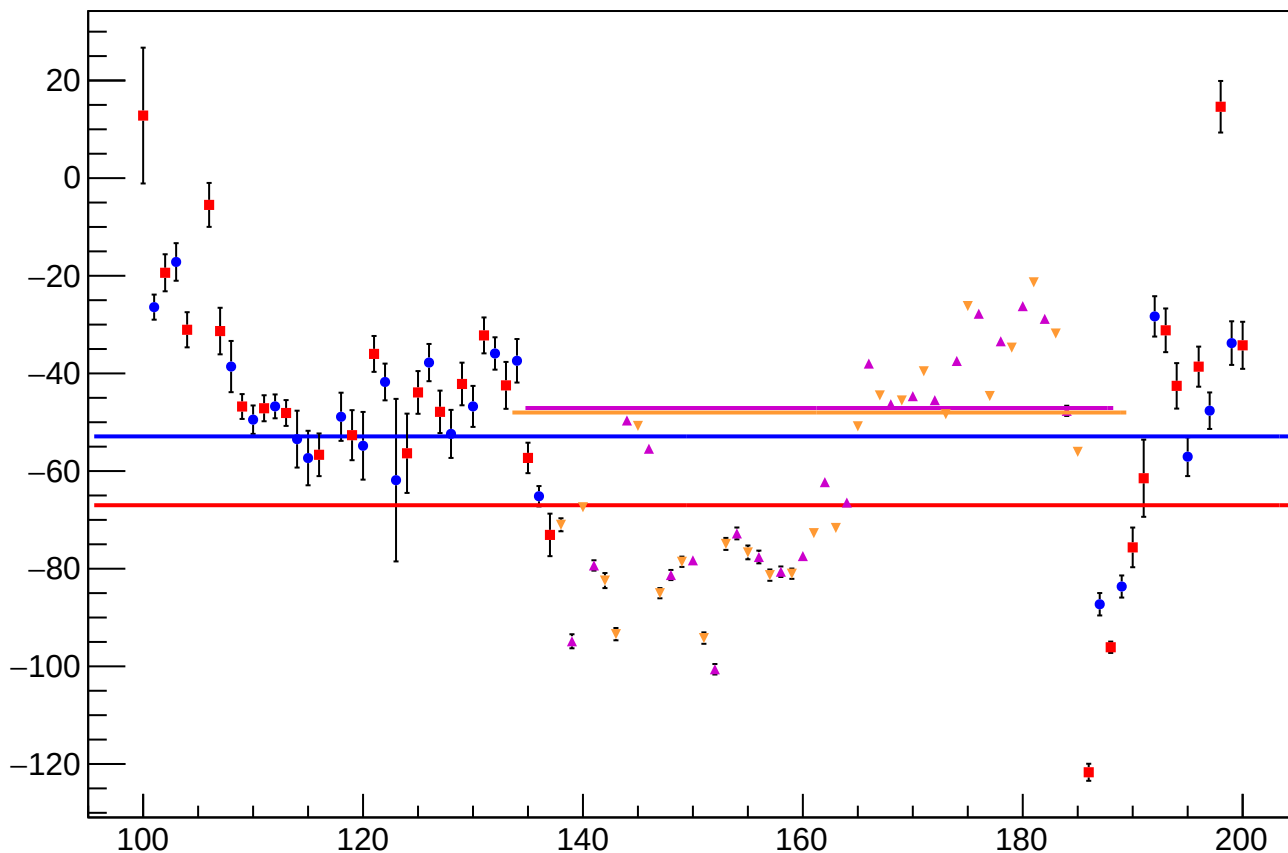
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.512 ± 0.120 $\chi^2/\text{NDF}: 4245.0/47$

All: 0.443 ± 0.085 $\chi^2/\text{NDF}: 7853.0/98$

- sign 0.373 ± 0.120 $\chi^2/\text{NDF}: 3607.3/50$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -52.900 ± 0.725 χ^2/NDF : 774.1/22

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -66.998 ± 0.611 χ^2/NDF : 3037.4/27

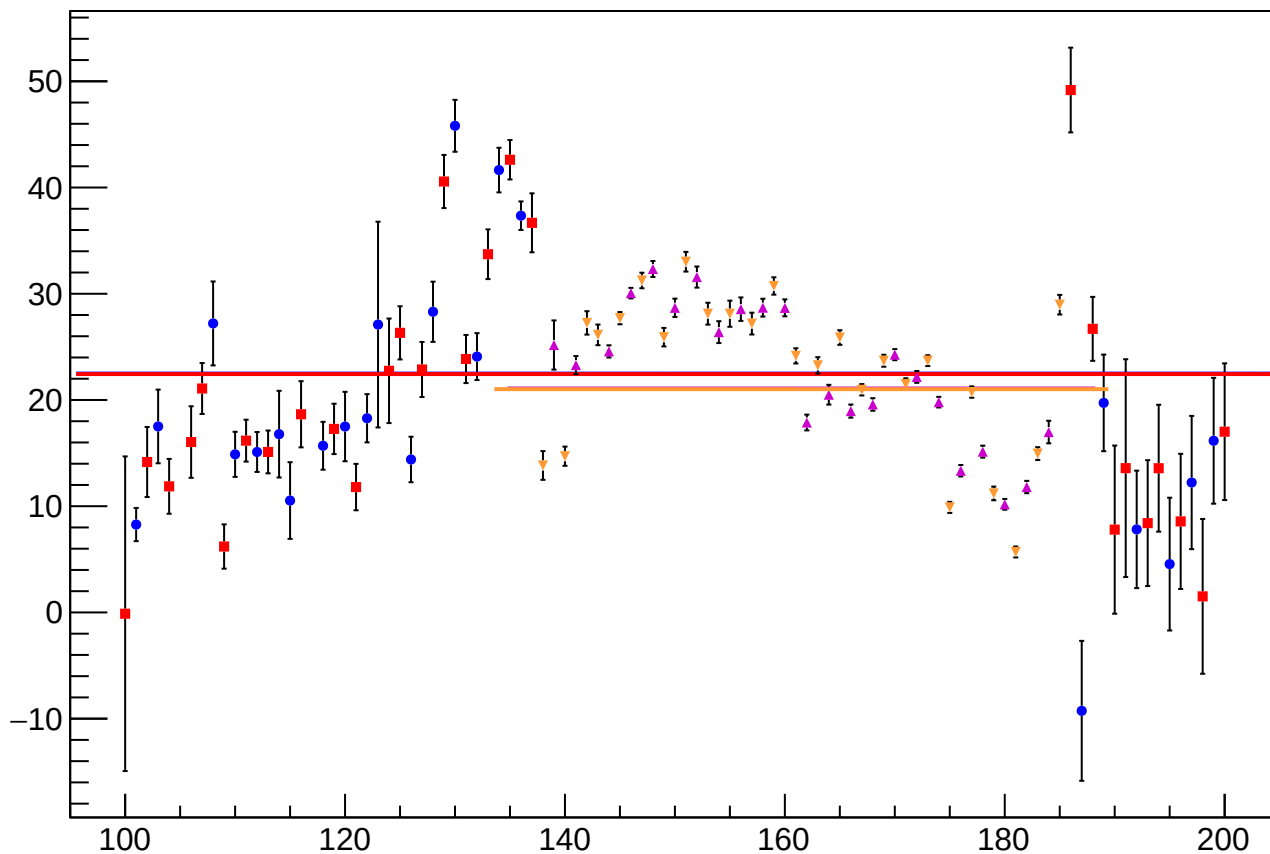
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.221 ± 0.151 χ^2/NDF : 17767.7/47

All: -48.257 ± 0.107 χ^2/NDF : 37317.3/98

- sign -48.293 ± 0.151 χ^2/NDF : 19549.5/50

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.482 $\pm$ 0.544 χ^2 /NDF: 501.2/22

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF: 2799.3/24

Right Out: 22.441 $\pm$ 0.545 χ^2 /NDF: 439.0/27

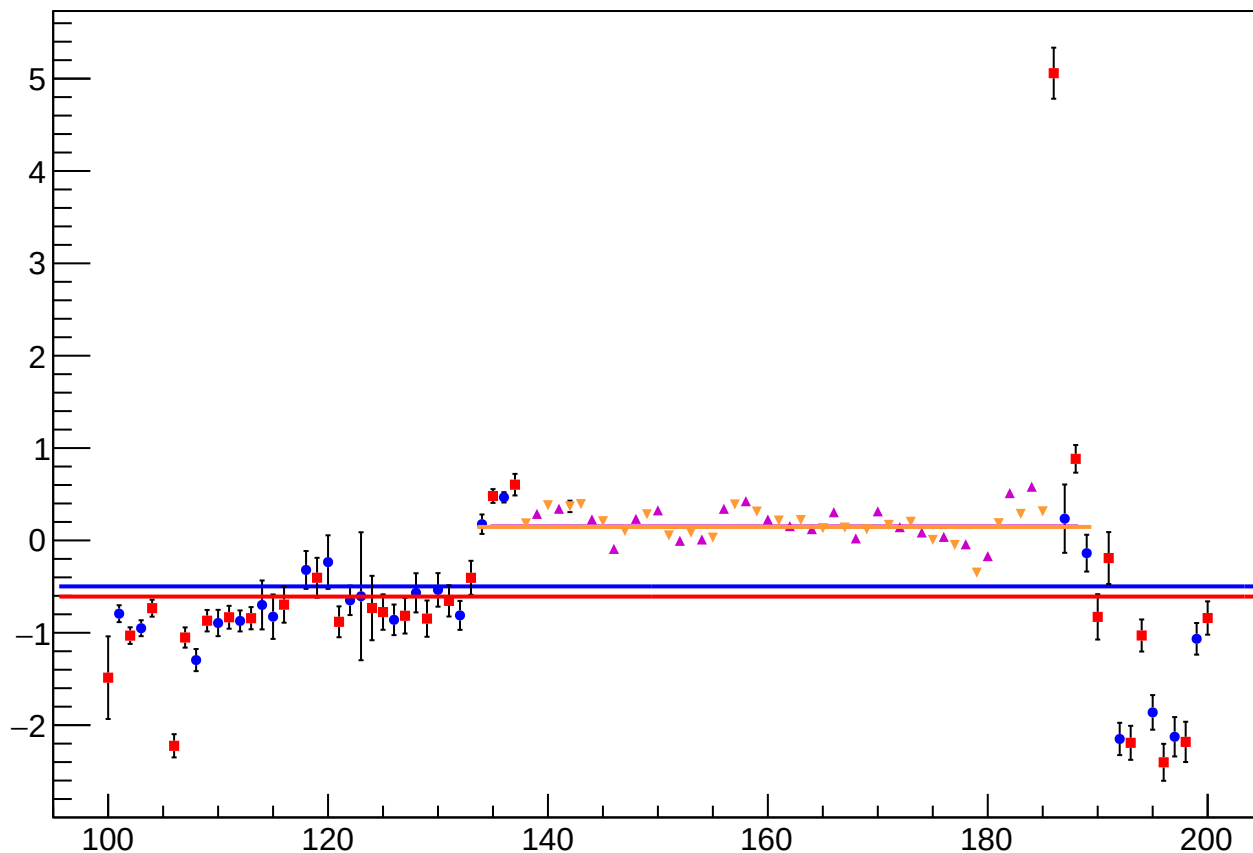
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF: 2173.2/22

+ sign 21.109 $\pm$ 0.135 χ^2 /NDF: 3307.2/47

All: 21.136 $\pm$ 0.095 χ^2 /NDF: 5925.4/98

- sign 21.163 $\pm$ 0.135 χ^2 /NDF: 2618.1/50

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.028 $\chi^2/\text{NDF}: 672.6/22$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.608 ± 0.028 $\chi^2/\text{NDF}: 1288.1/27$

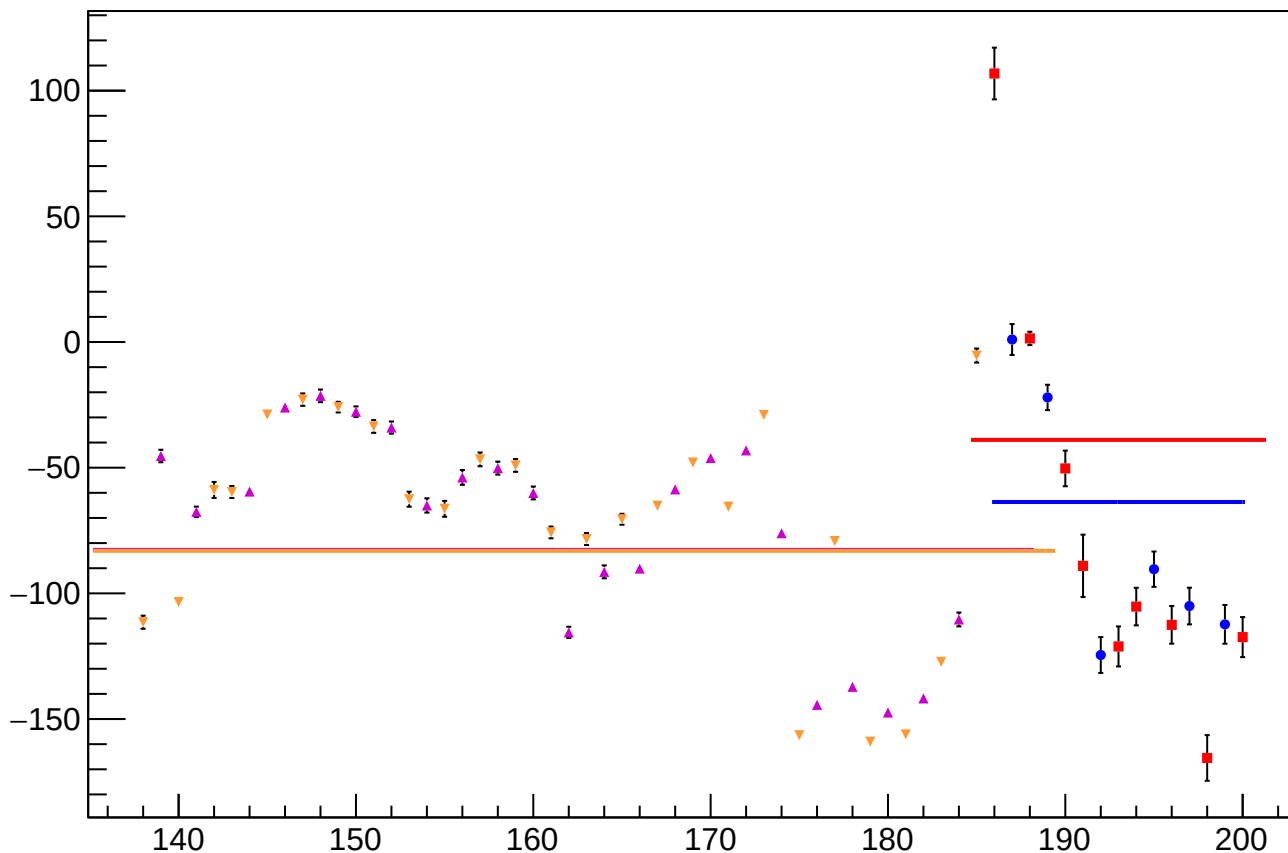
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.115 ± 0.006 $\chi^2/\text{NDF}: 1776.4/47$

All: 0.114 ± 0.004 $\chi^2/\text{NDF}: 4655.4/98$

- sign 0.112 ± 0.006 $\chi^2/\text{NDF}: 2878.9/50$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -63.648 ± 2.661 χ^2/NDF : 337.5/5

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -38.940 ± 1.971 χ^2/NDF : 1024.0/8

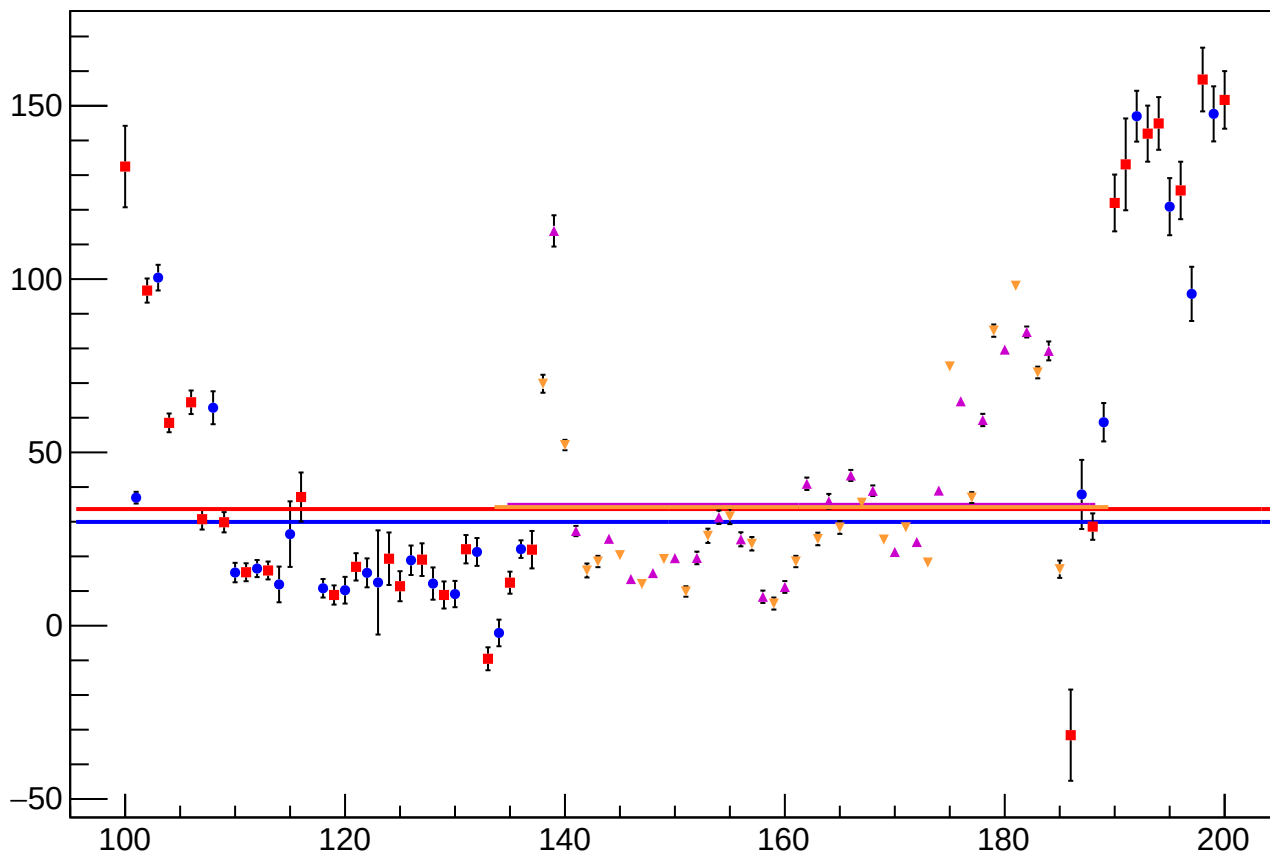
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -82.626 ± 0.402 χ^2/NDF : 14206.9/30

All: -81.749 ± 0.286 χ^2/NDF : 26553.9/62

- sign -80.852 ± 0.406 χ^2/NDF : 12337.4/31

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.938+/-0.780 χ^2/NDF : 1417.5/22

Left Out: 34.219+/-0.320 χ^2/NDF : 6192.6/24

Right Out: 33.652+/-0.769 χ^2/NDF : 2169.2/27

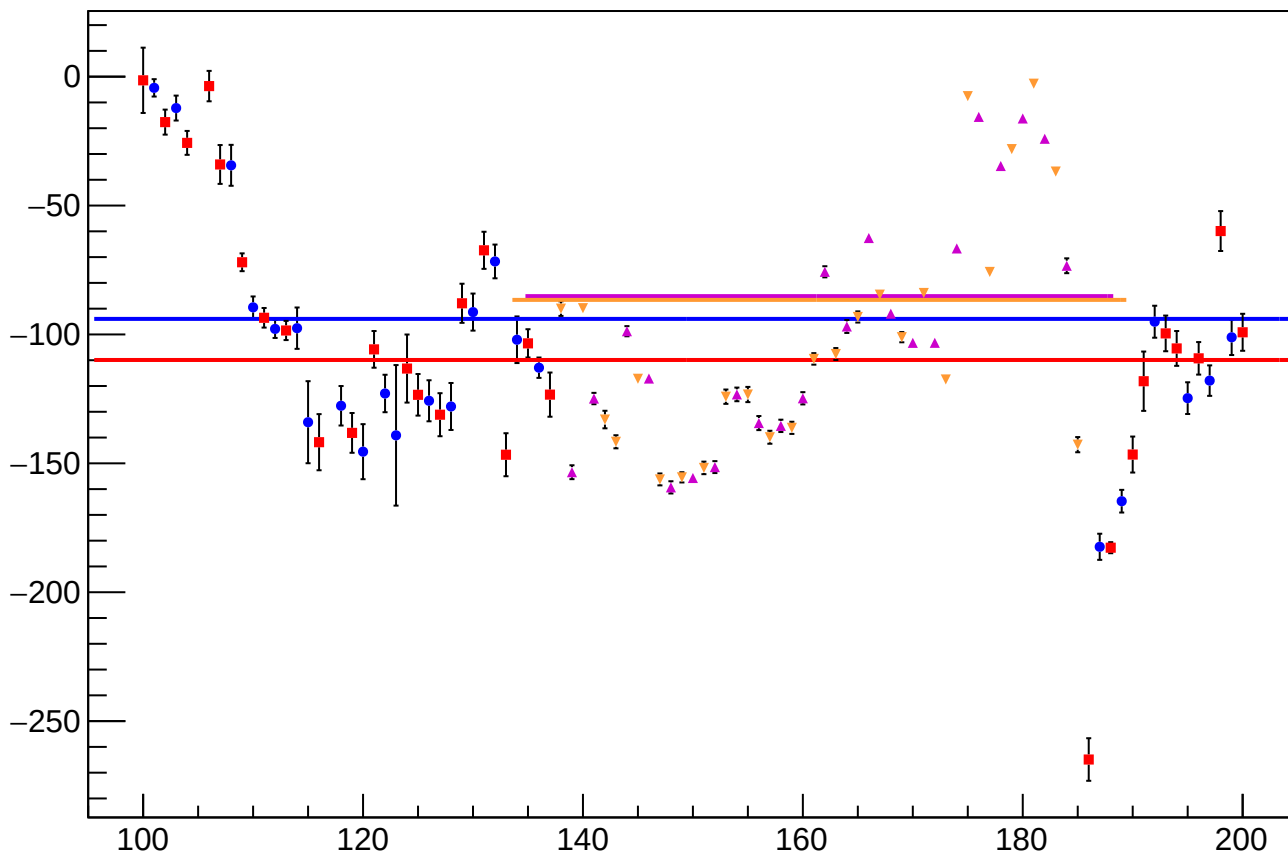
Left In: 34.870+/-0.329 χ^2/NDF : 4716.1/22

+ sign 33.602+/-0.296 χ^2/NDF : 7635.9/47

All: 34.130+/-0.212 χ^2/NDF : 14529.8/98

- sign 34.681+/-0.303 χ^2/NDF : 6887.4/50

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -93.969 ± 1.204 $\chi^2/\text{NDF}: 1791.3/22$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -109.905 ± 1.048 $\chi^2/\text{NDF}: 3017.9/27$

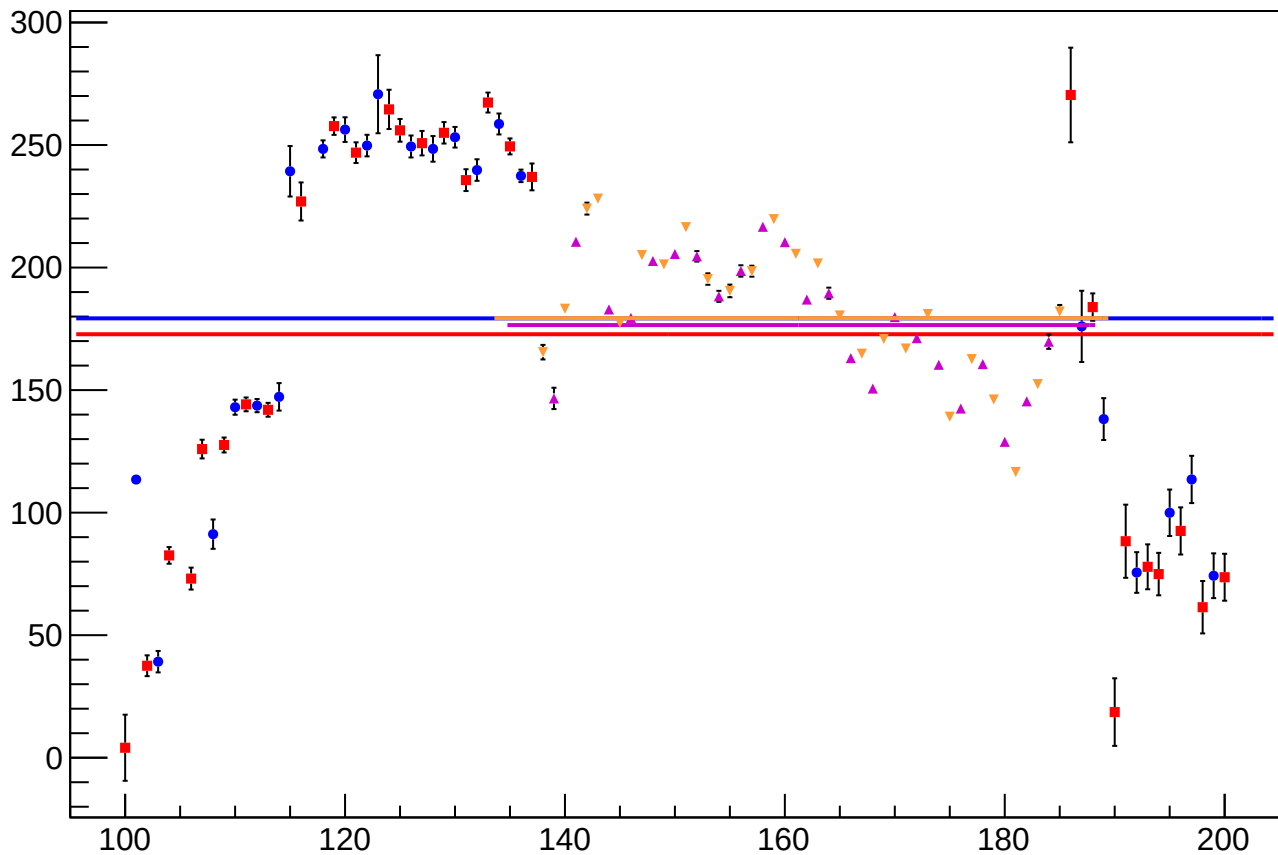
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -87.356 ± 0.387 $\chi^2/\text{NDF}: 16340.6/47$

All: -87.924 ± 0.273 $\chi^2/\text{NDF}: 32686.7/98$

- sign -88.490 ± 0.386 $\chi^2/\text{NDF}: 16341.8/50$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 179.270 ± 0.895 $\chi^2/\text{NDF}: 5767.0/22$

Left Out: 179.359 ± 0.362 $\chi^2/\text{NDF}: 5982.2/24$

Right Out: 172.791 ± 0.888 $\chi^2/\text{NDF}: 7073.6/27$

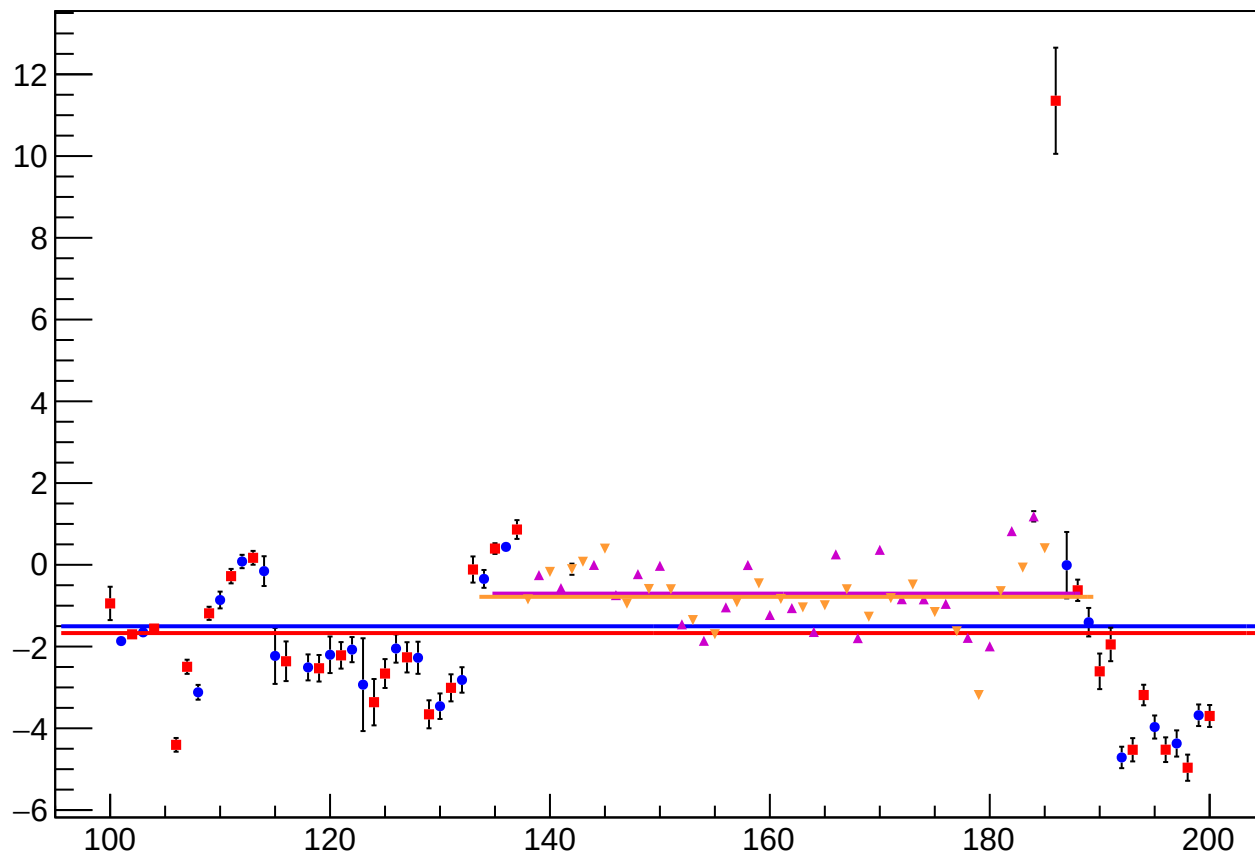
Left In: 176.531 ± 0.371 $\chi^2/\text{NDF}: 4426.0/22$

+ sign 179.347 ± 0.335 $\chi^2/\text{NDF}: 11749.2/47$

All: 177.695 ± 0.240 $\chi^2/\text{NDF}: 23313.4/98$

- sign 175.976 ± 0.342 $\chi^2/\text{NDF}: 11514.7/50$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.504 ± 0.045 χ^2/NDF : 1038.9/22

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.670 ± 0.042 χ^2/NDF : 1468.2/27

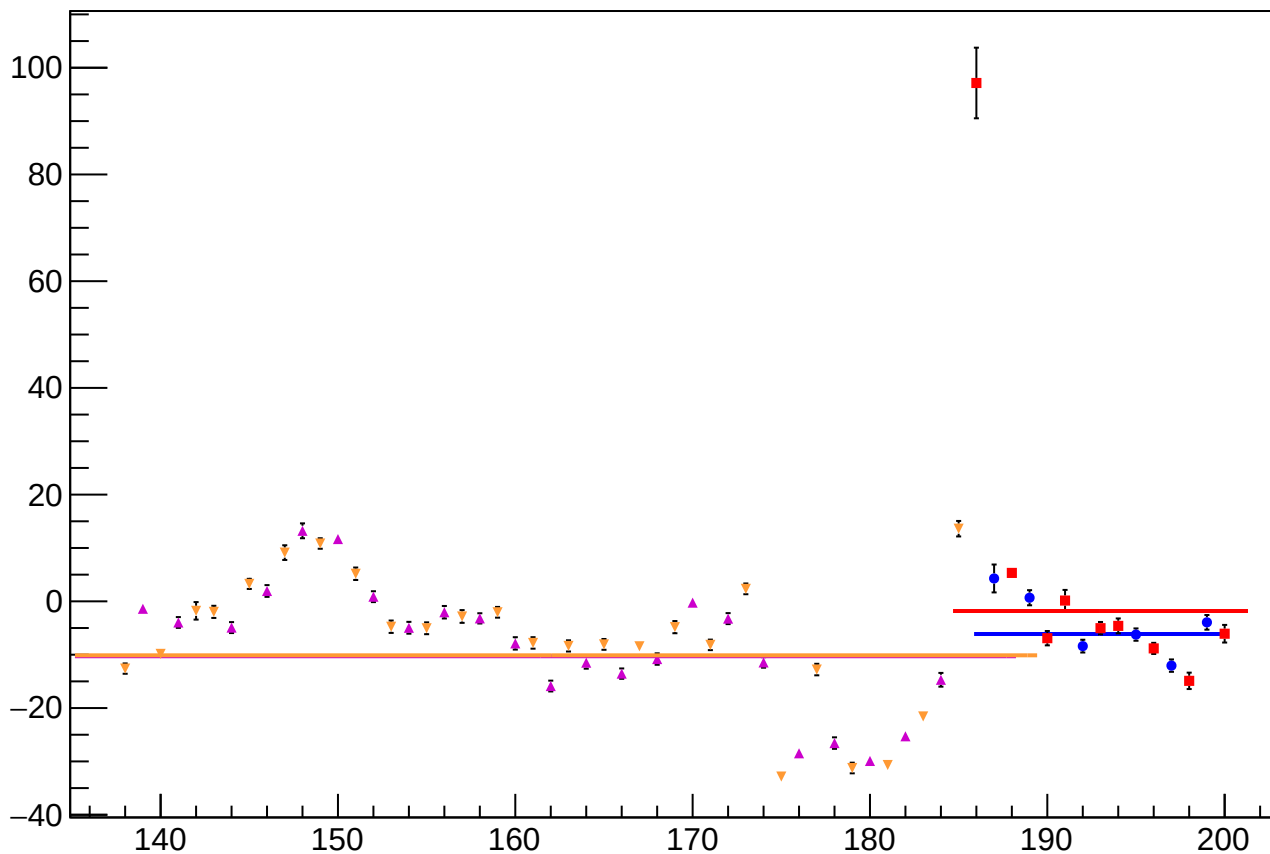
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.869 ± 0.016 χ^2/NDF : 3035.0/47

All: -0.854 ± 0.011 χ^2/NDF : 7365.7/98

- sign -0.839 ± 0.016 χ^2/NDF : 4328.9/50

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -6.123 ± 0.546 χ^2/NDF : 71.0/5

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.812 ± 0.400 χ^2/NDF : 499.4/8

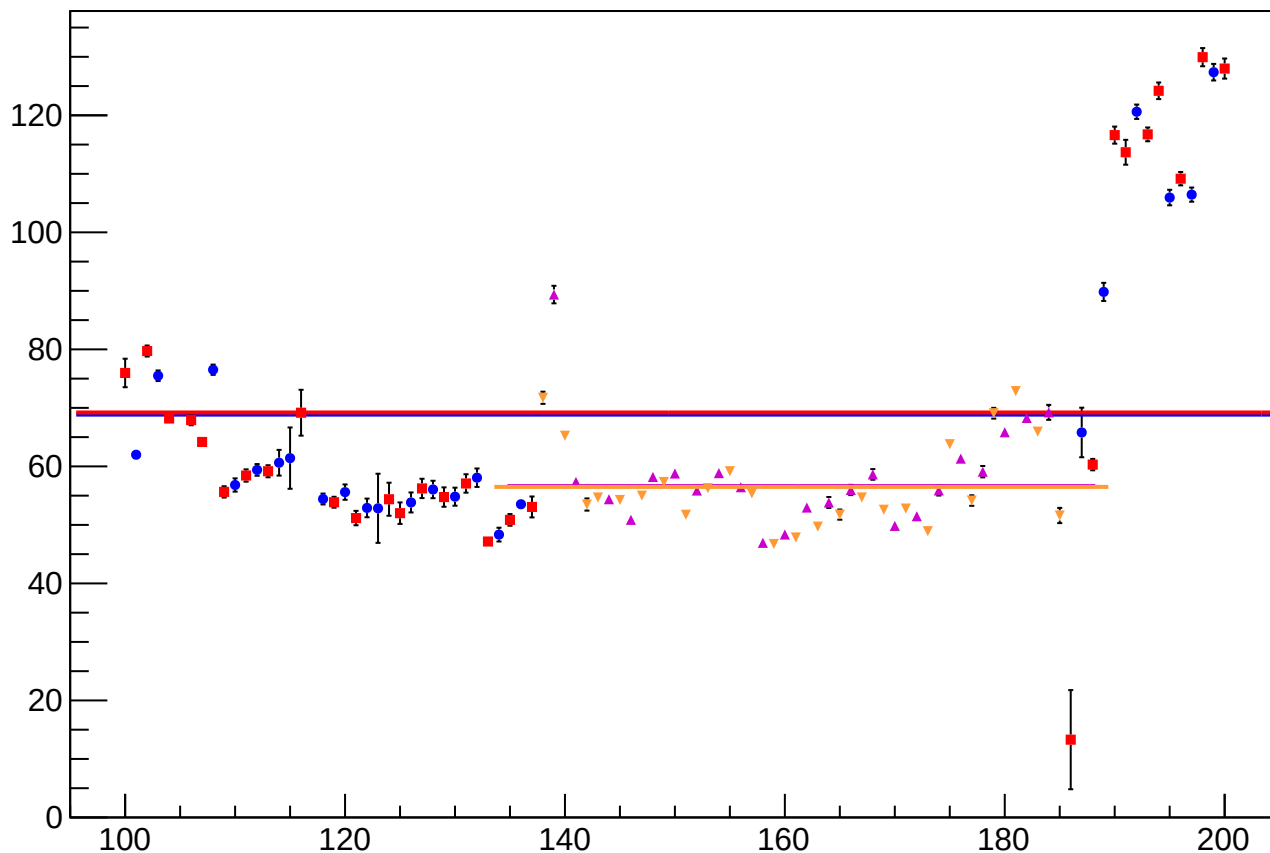
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -9.638 ± 0.189 χ^2/NDF : 4256.3/30

All: -9.063 ± 0.131 χ^2/NDF : 8579.5/62

- sign -8.524 ± 0.183 χ^2/NDF : 4305.2/31

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 68.850 $\pm$ 0.240 χ^2 /NDF: 7307.2/22

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

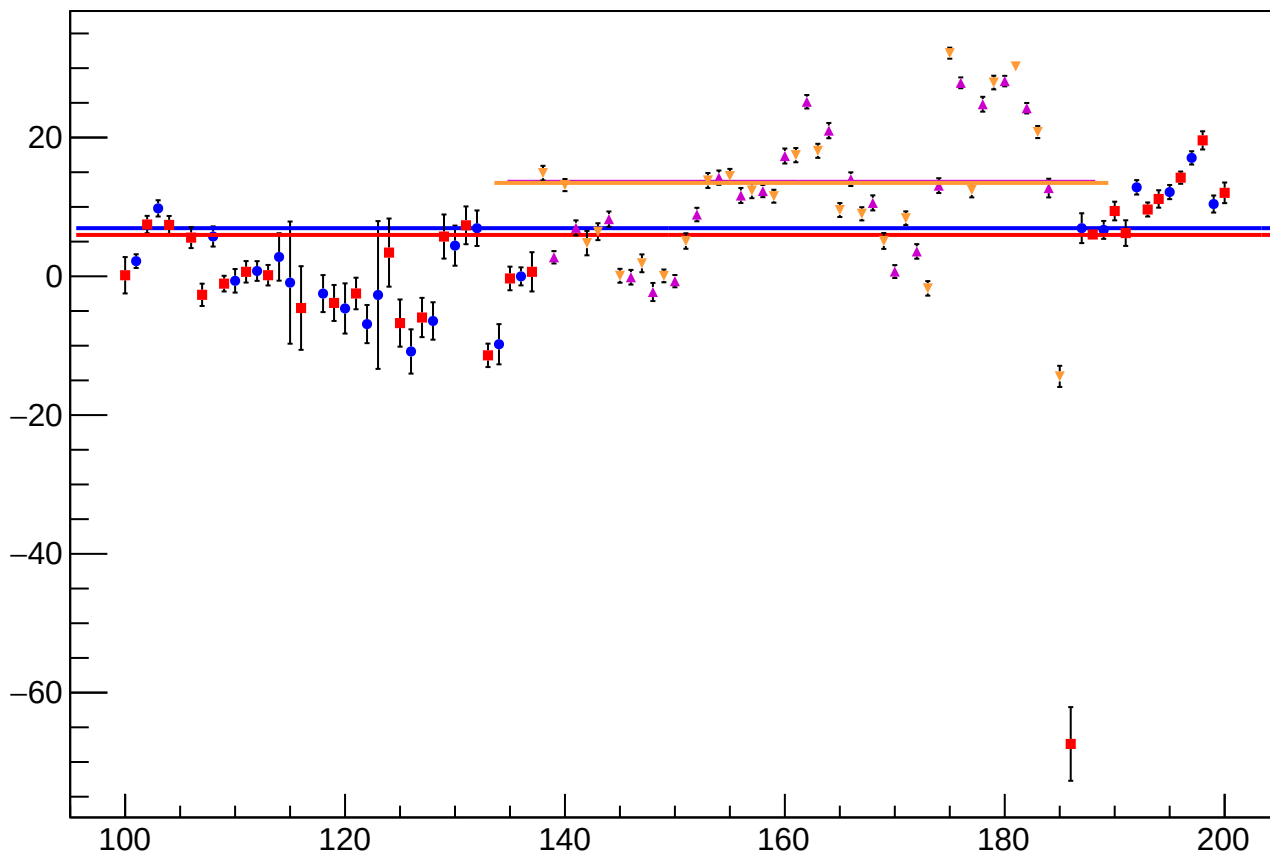
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 60.252 $\pm$ 0.133 χ^2 /NDF: 11113.4/47

All: 60.718 $\pm$ 0.094 χ^2 /NDF: 26389.8/98

- sign 61.181 $\pm$ 0.132 χ^2 /NDF: 15251.8/50

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.938 ± 0.330 χ^2/NDF : 415.9/22

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 5.964 ± 0.267 χ^2/NDF : 728.0/27

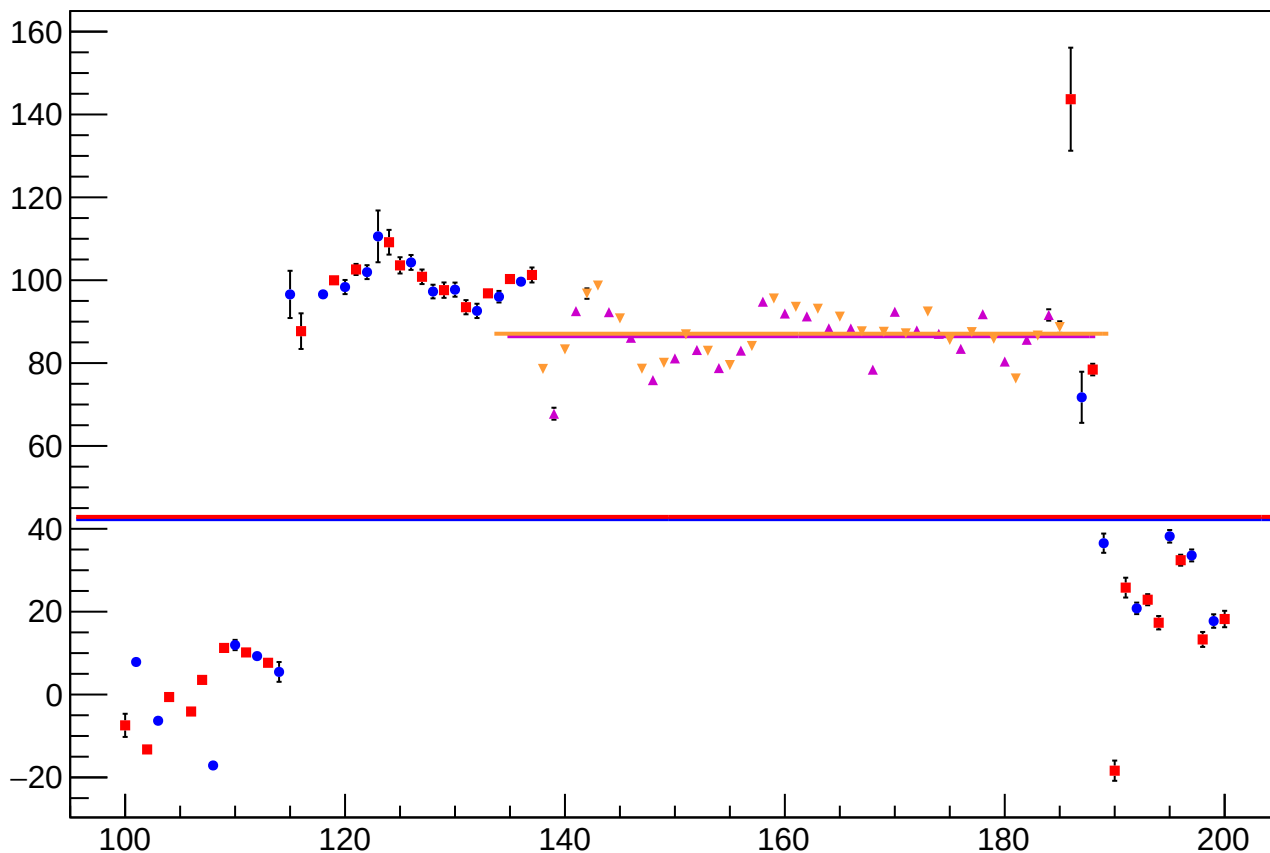
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.690 ± 0.172 χ^2/NDF : 3437.0/47

All: 11.212 ± 0.118 χ^2/NDF : 7013.8/98

- sign 10.787 ± 0.162 χ^2/NDF : 3562.2/50

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 42.330 $\pm$ 0.280 χ^2 /NDF: 25308.0/22

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

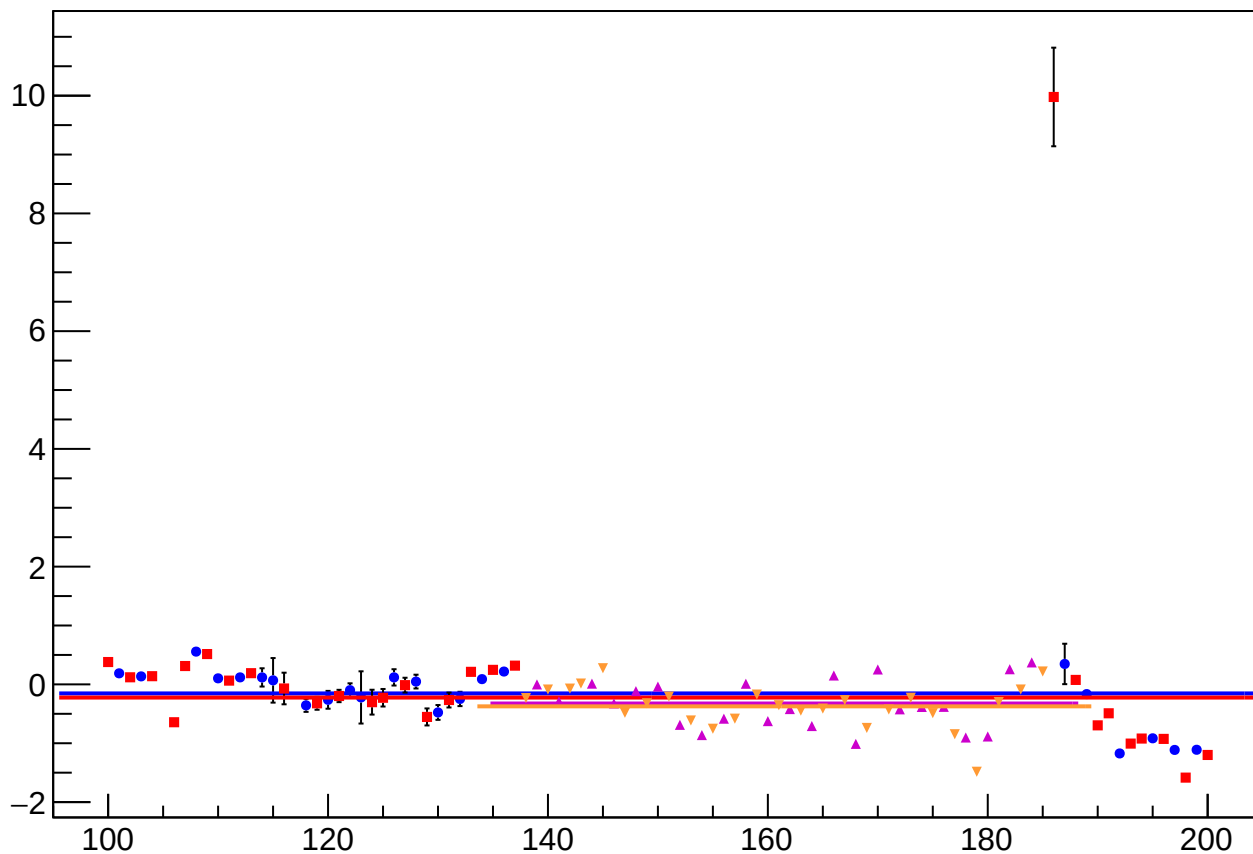
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 74.083 $\pm$ 0.151 χ^2 /NDF: 44542.1/47

All: 72.953 $\pm$ 0.107 χ^2 /NDF: 95083.7/98

- sign 71.830 $\pm$ 0.150 χ^2 /NDF: 50429.7/50

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.154 ± 0.012 χ^2/NDF : 2546.5/22

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.224 ± 0.011 χ^2/NDF : 3218.5/27

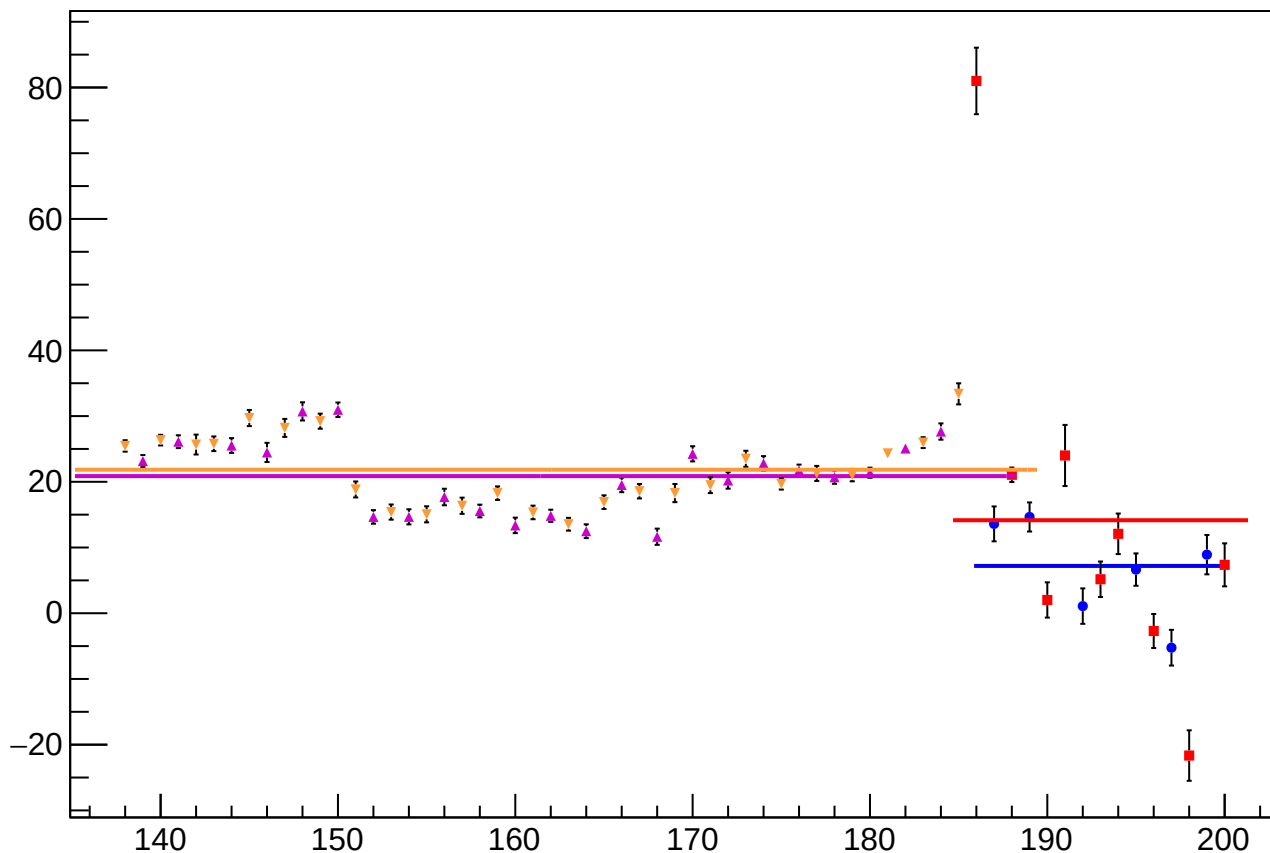
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.303 ± 0.007 χ^2/NDF : 4449.5/47

All: -0.295 ± 0.005 χ^2/NDF : 10011.6/98

- sign -0.287 ± 0.006 χ^2/NDF : 5559.3/50

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 7.199 ± 1.057 χ^2/NDF : 43.6/5

Left Out: 21.836 ± 0.210 χ^2/NDF : 524.3/24

Right Out: 14.153 ± 0.792 χ^2/NDF : 383.4/8

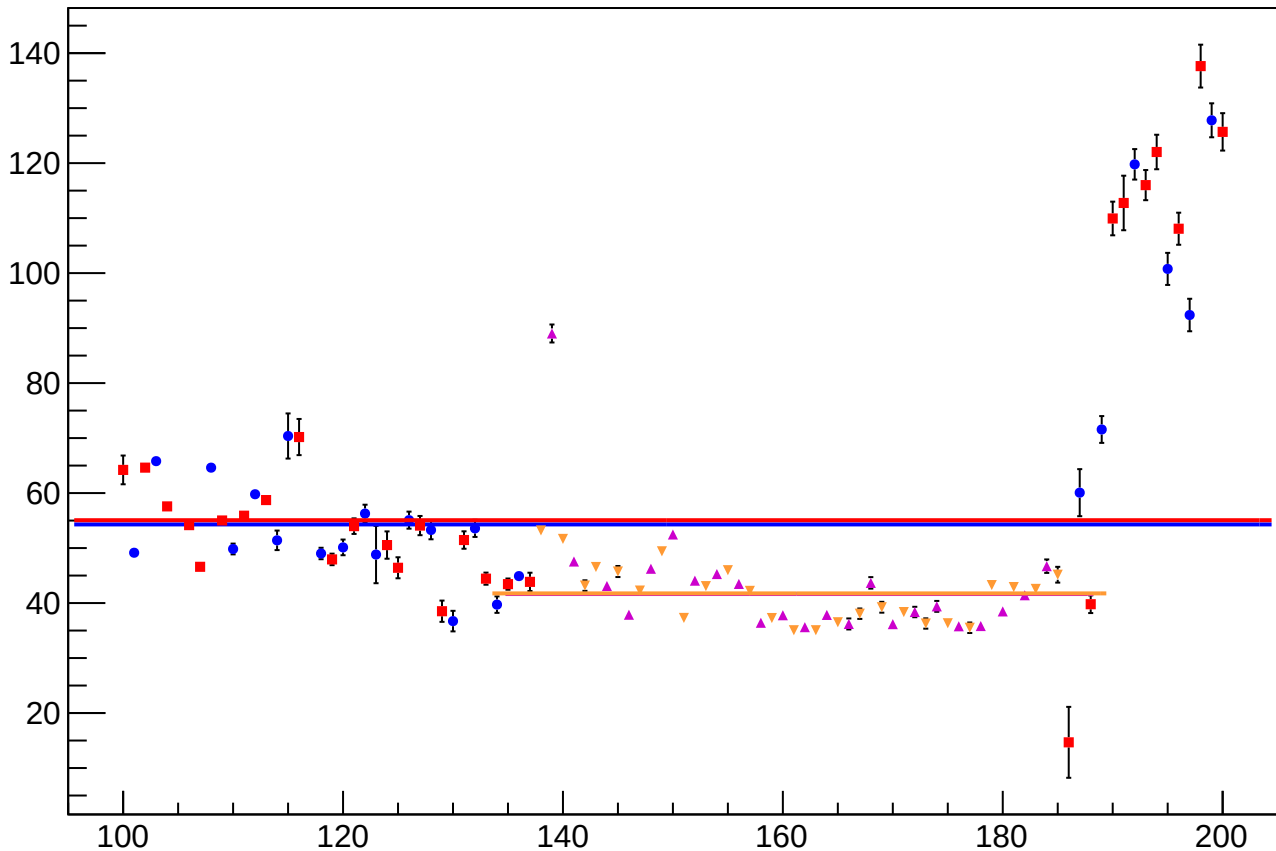
Left In: 20.866 ± 0.217 χ^2/NDF : 576.9/22

+ sign 21.281 ± 0.206 χ^2/NDF : 752.5/30

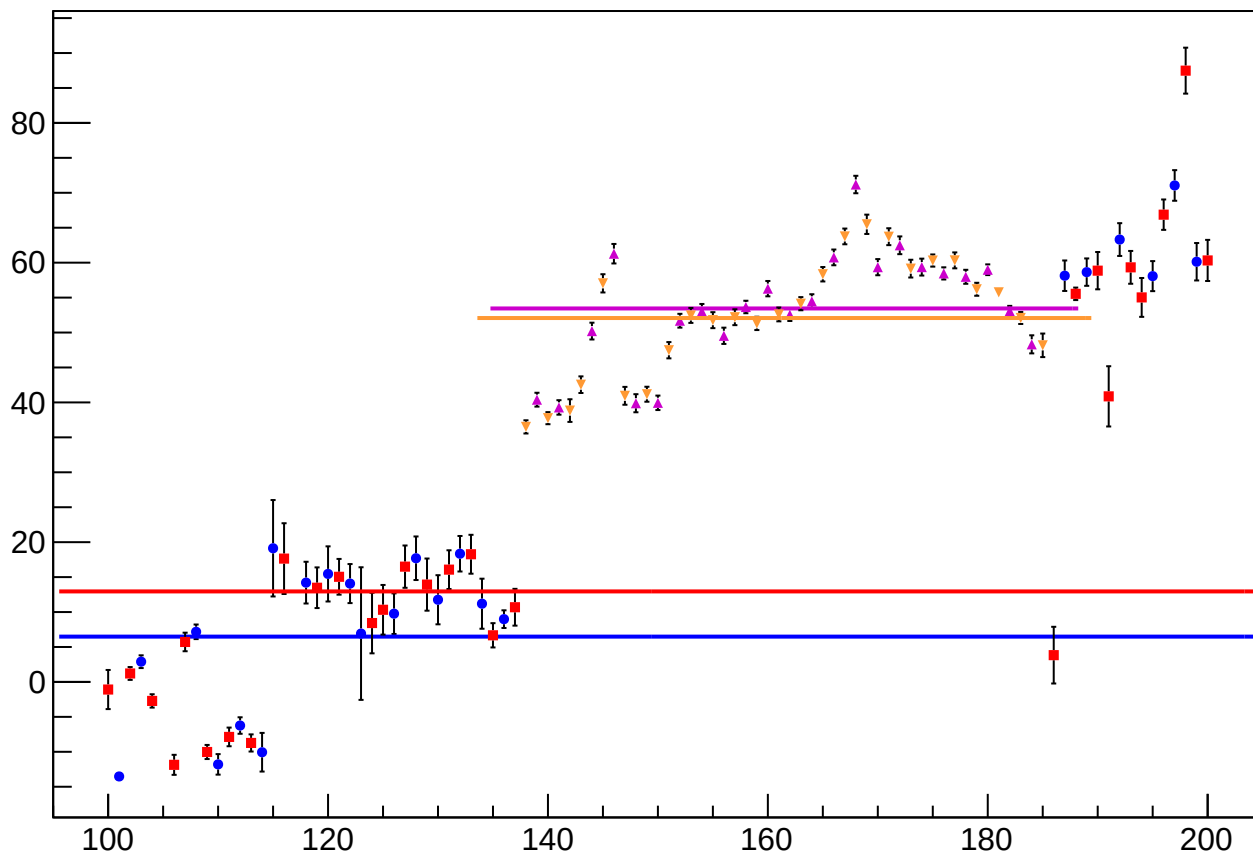
All: 20.847 ± 0.147 χ^2/NDF : 1788.7/62

- sign 20.399 ± 0.209 χ^2/NDF : 1027.1/31

reg_asym_sam6_diff_bpm4aY_slope vs Slug



reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 6.484 ± 0.338 $\chi^2/\text{NDF}: 5128.0/22$

Left Out: 52.076 ± 0.210 $\chi^2/\text{NDF}: 1450.9/24$

Right Out: 12.952 ± 0.328 $\chi^2/\text{NDF}: 6509.4/27$

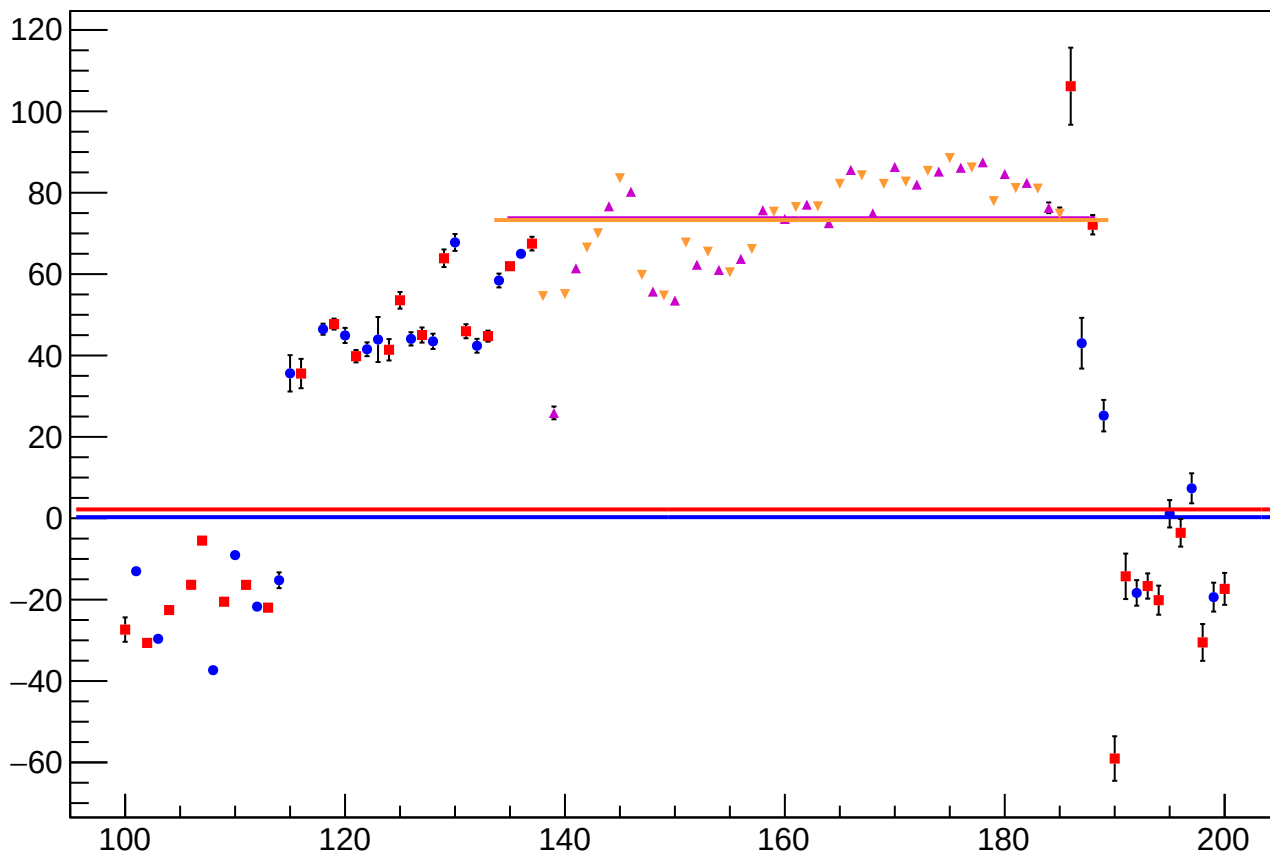
Left In: 53.447 ± 0.215 $\chi^2/\text{NDF}: 1169.0/22$

+ sign 39.394 ± 0.178 $\chi^2/\text{NDF}: 19688.8/47$

All: 40.326 ± 0.127 $\chi^2/\text{NDF}: 38050.9/98$

- sign 41.275 ± 0.180 $\chi^2/\text{NDF}: 18307.1/50$

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.269 $\pm$ 0.244 χ^2 /NDF: 18378.3/22

Left Out: 73.284 $\pm$ 0.187 χ^2 /NDF:3144.2/24

Right Out: 2.171 $\pm$ 0.261 χ^2 /NDF: 16686.0/27

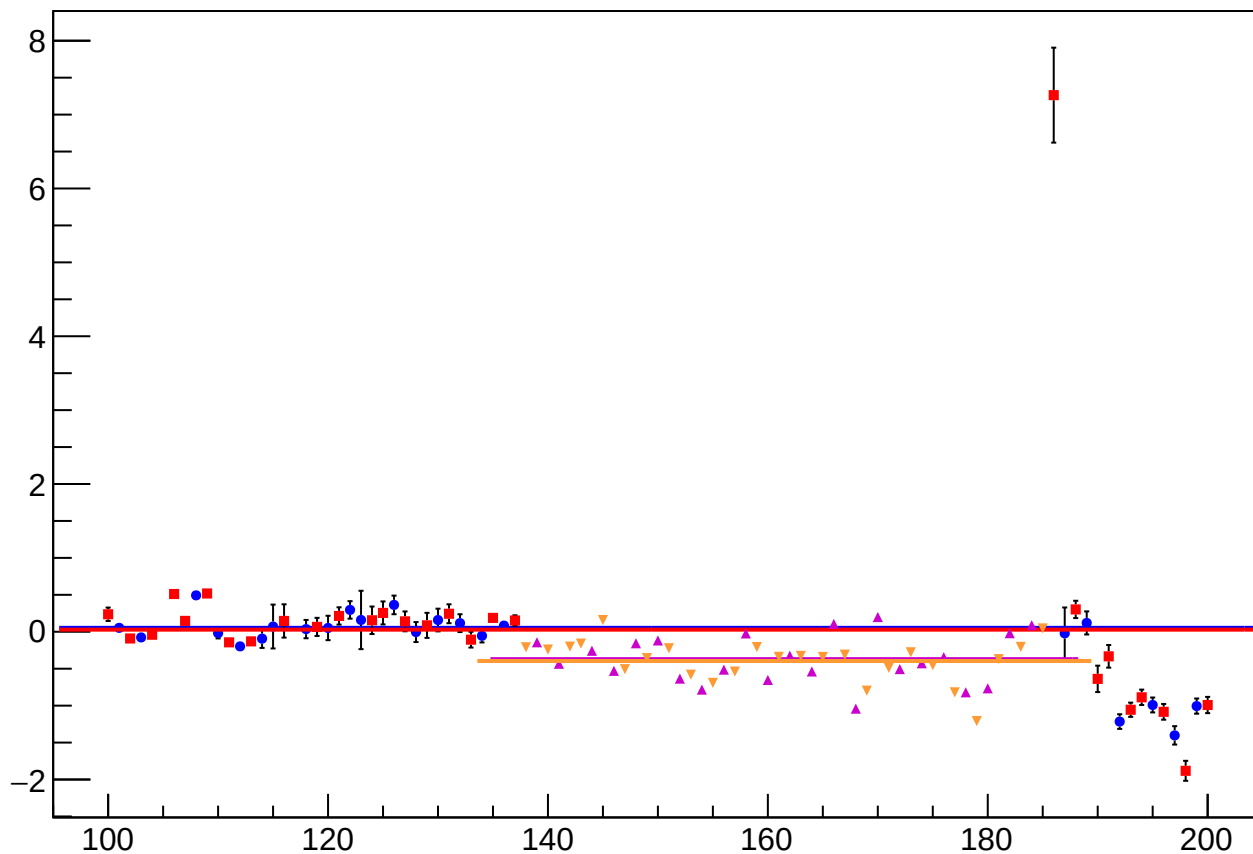
Left In: 73.730 $\pm$ 0.194 χ^2 /NDF:3775.8/22

+ sign 46.351 $\pm$ 0.148 χ^2 /NDF: 77850.8/47

All: 47.231 $\pm$ 0.107 χ^2 /NDF: 146758.5/98

- sign 48.201 $\pm$ 0.156 χ^2 /NDF: 68833.9/50

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.053 ± 0.011 χ^2/NDF : 937.0/22

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.029 ± 0.011 χ^2/NDF : 1170.1/27

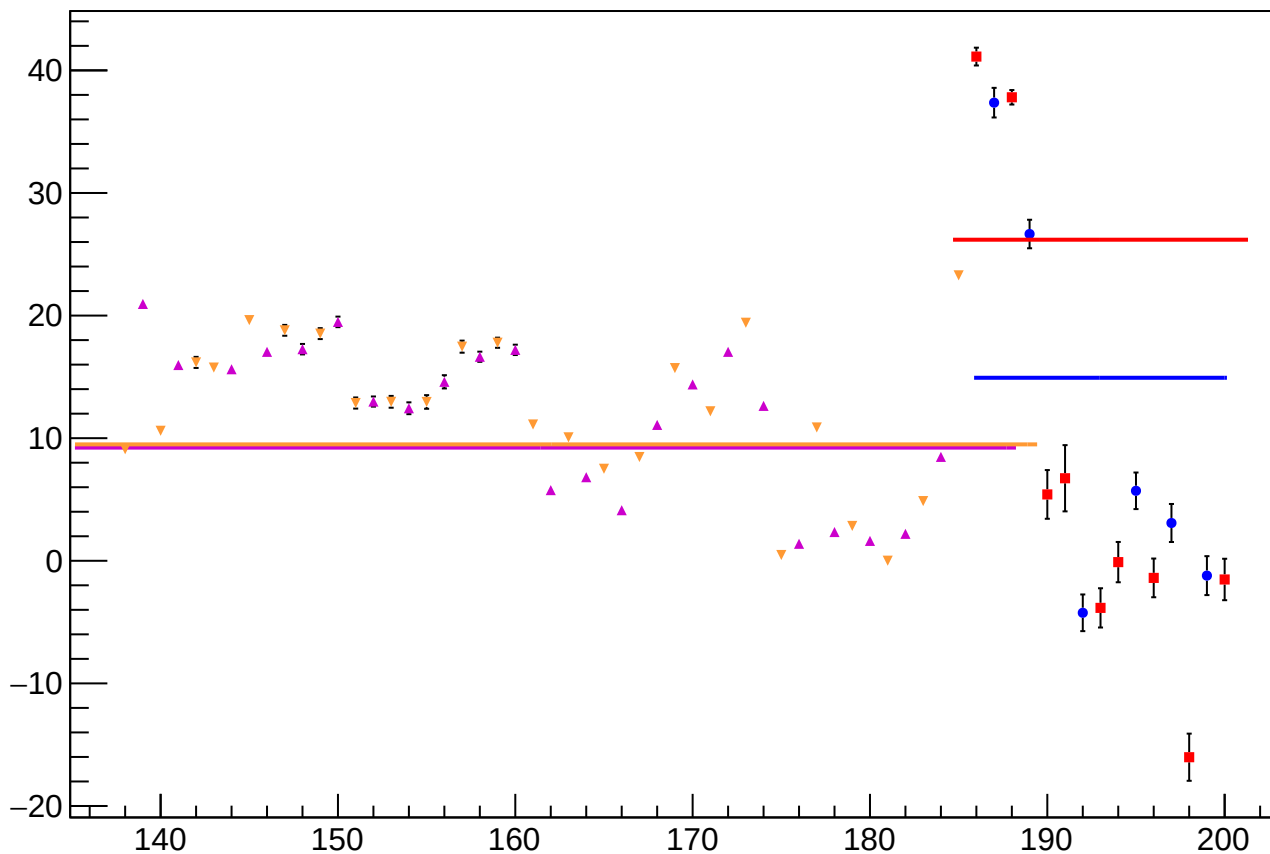
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.222 ± 0.007 χ^2/NDF : 2951.1/47

All: -0.217 ± 0.005 χ^2/NDF : 6278.8/98

- sign -0.211 ± 0.007 χ^2/NDF : 3326.2/50

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 14.928+/-0.565 χ^2/NDF : 810.7/5

Left Out: 9.495+/-0.061 χ^2/NDF : 12609.1/24

Right Out: 26.189+/-0.380 χ^2/NDF : 2633.5/8

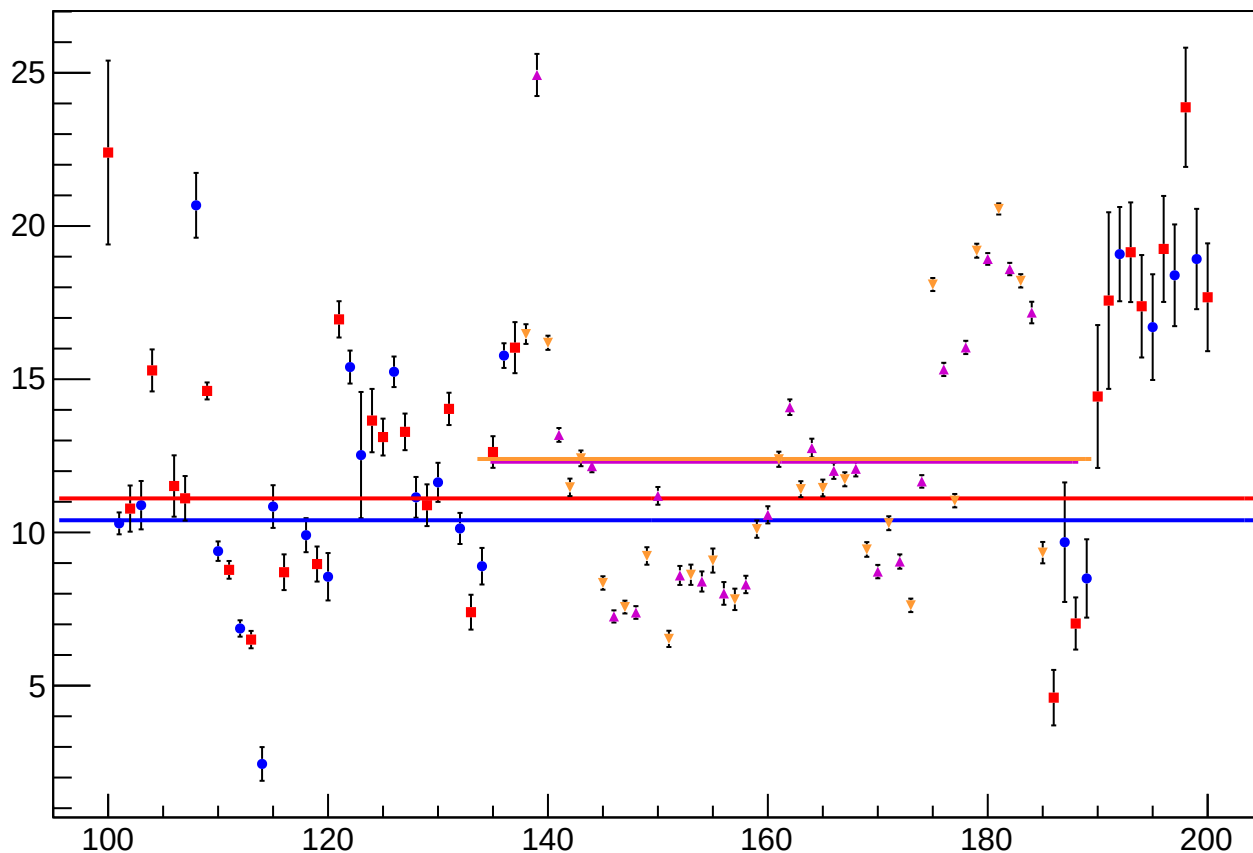
Left In: 9.231+/-0.063 χ^2/NDF : 10736.2/22

+ sign 9.558+/-0.061 χ^2/NDF : 13511.3/30

All: 9.620+/-0.044 χ^2/NDF : 28822.2/62

- sign 9.685+/-0.062 χ^2/NDF : 15308.8/31

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.397 ± 0.118 $\chi^2/\text{NDF}: 965.6/22$

Left Out: 12.397 ± 0.050 $\chi^2/\text{NDF}: 7542.8/24$

Right Out: 11.110 ± 0.113 $\chi^2/\text{NDF}: 1015.9/27$

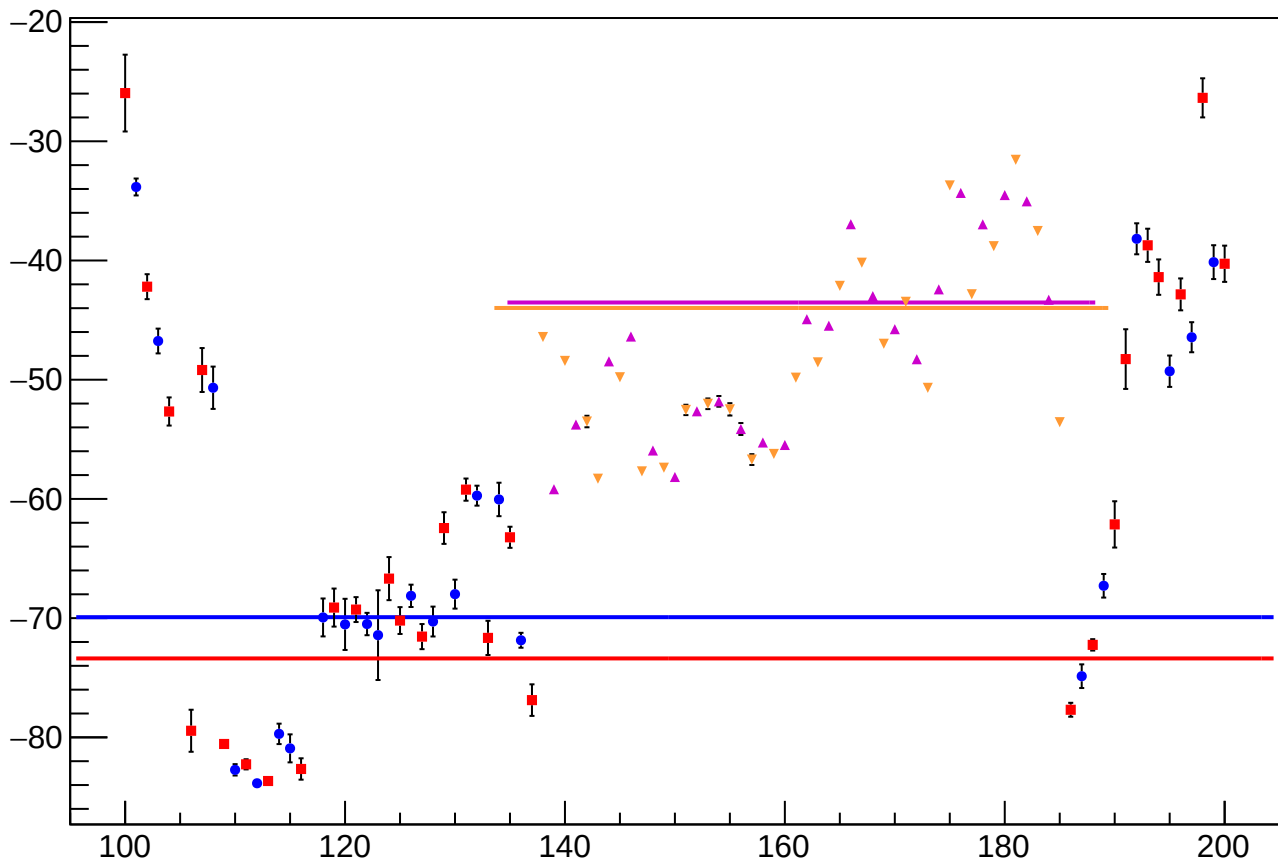
Left In: 12.307 ± 0.051 $\chi^2/\text{NDF}: 5601.8/22$

+ sign 12.094 ± 0.046 $\chi^2/\text{NDF}: 8753.6/47$

All: 12.099 ± 0.033 $\chi^2/\text{NDF}: 15464.3/98$

- sign 12.103 ± 0.047 $\chi^2/\text{NDF}: 6710.7/50$

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -69.919 ± 0.183 $\chi^2/\text{NDF}: 7355.9/22$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -73.380 ± 0.157 $\chi^2/\text{NDF}: 6767.5/27$

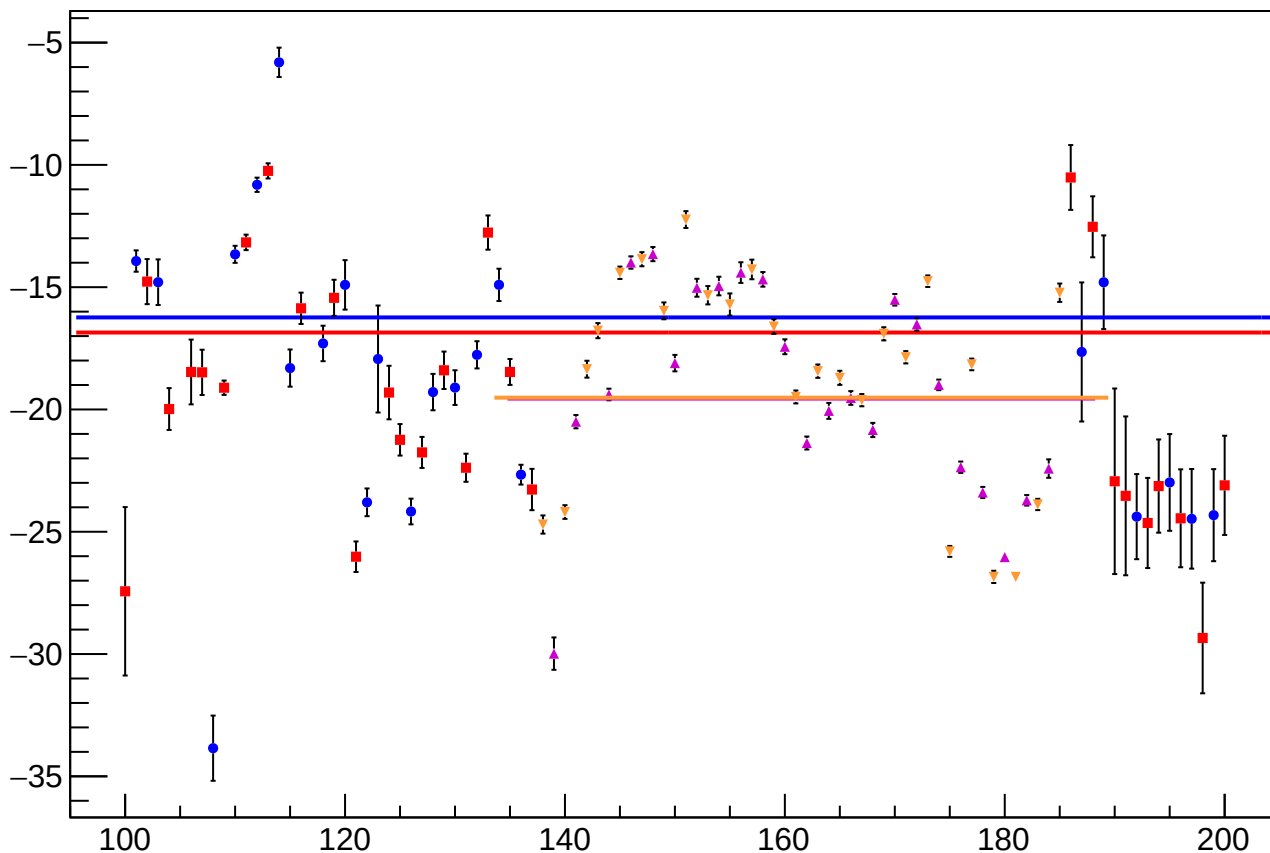
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -46.637 ± 0.059 $\chi^2/\text{NDF}: 43043.8/47$

All: -47.167 ± 0.042 $\chi^2/\text{NDF}: 96328.5/98$

- sign -47.698 ± 0.059 $\chi^2/\text{NDF}: 53121.3/50$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.237 ± 0.131 χ^2/NDF : 1691.1/22

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.854 ± 0.126 χ^2/NDF : 1336.4/27

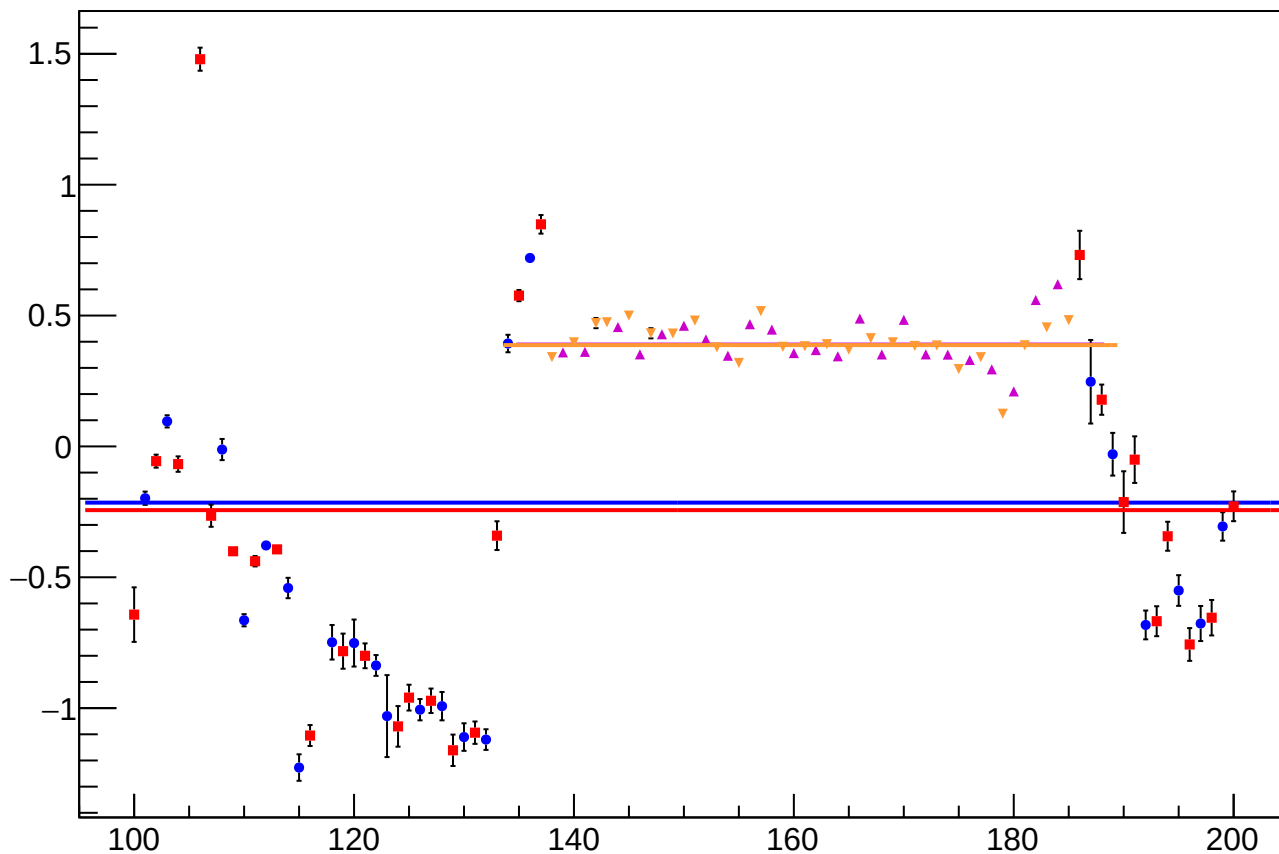
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.015 ± 0.051 χ^2/NDF : 8739.7/47

All: -19.051 ± 0.037 χ^2/NDF : 14770.7/98

- sign -19.089 ± 0.052 χ^2/NDF : 6029.9/50

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.215 ± 0.007 χ^2/NDF : 6491.8/22

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.243 ± 0.007 χ^2/NDF : 6509.2/27

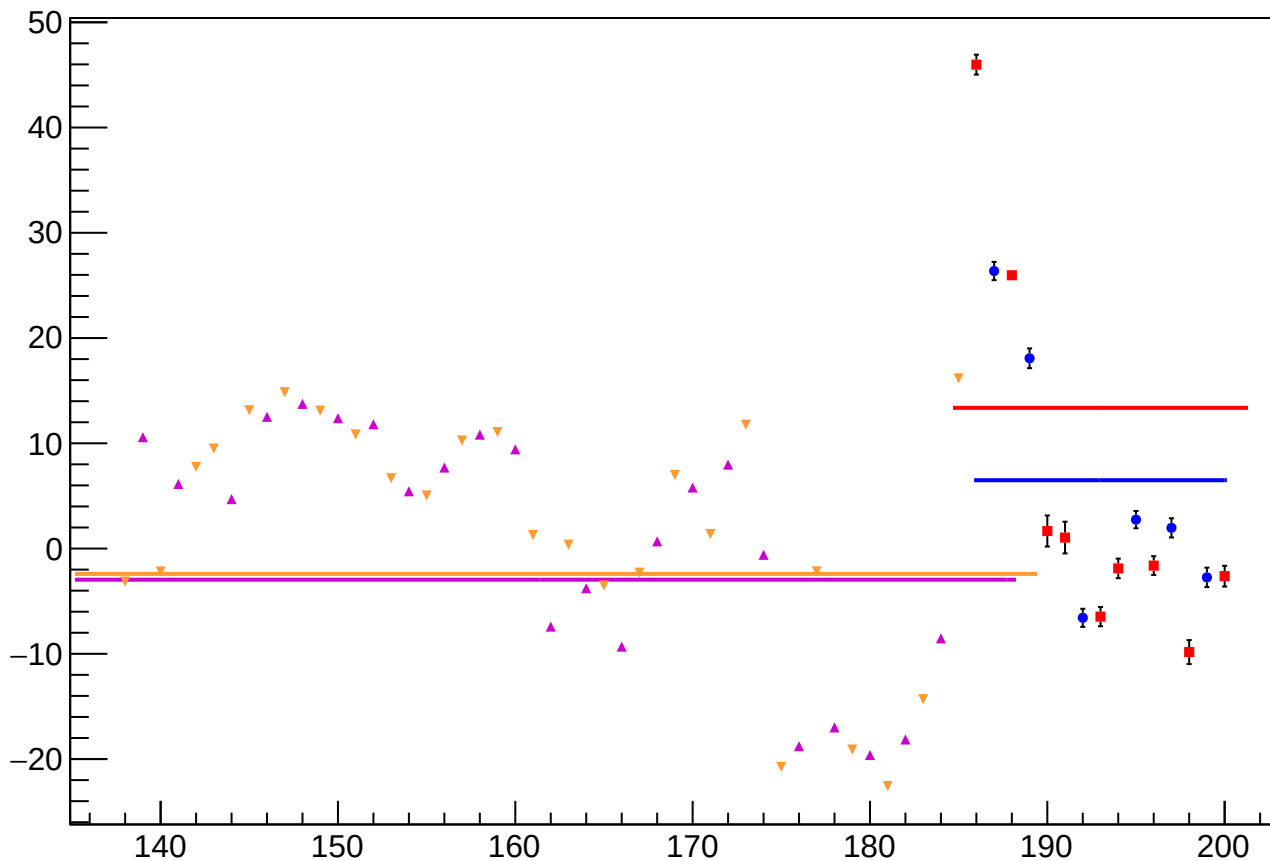
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.321 ± 0.002 χ^2/NDF : 13575.2/47

All: 0.315 ± 0.002 χ^2/NDF : 28823.6/98

- sign 0.308 ± 0.002 χ^2/NDF : 15234.5/50

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 6.493 ± 0.361 χ^2/NDF : 1052.9/5

Left Out: -2.407 ± 0.053 χ^2/NDF : 56368.5/24

Right Out: 13.369 ± 0.279 χ^2/NDF : 3878.3/8

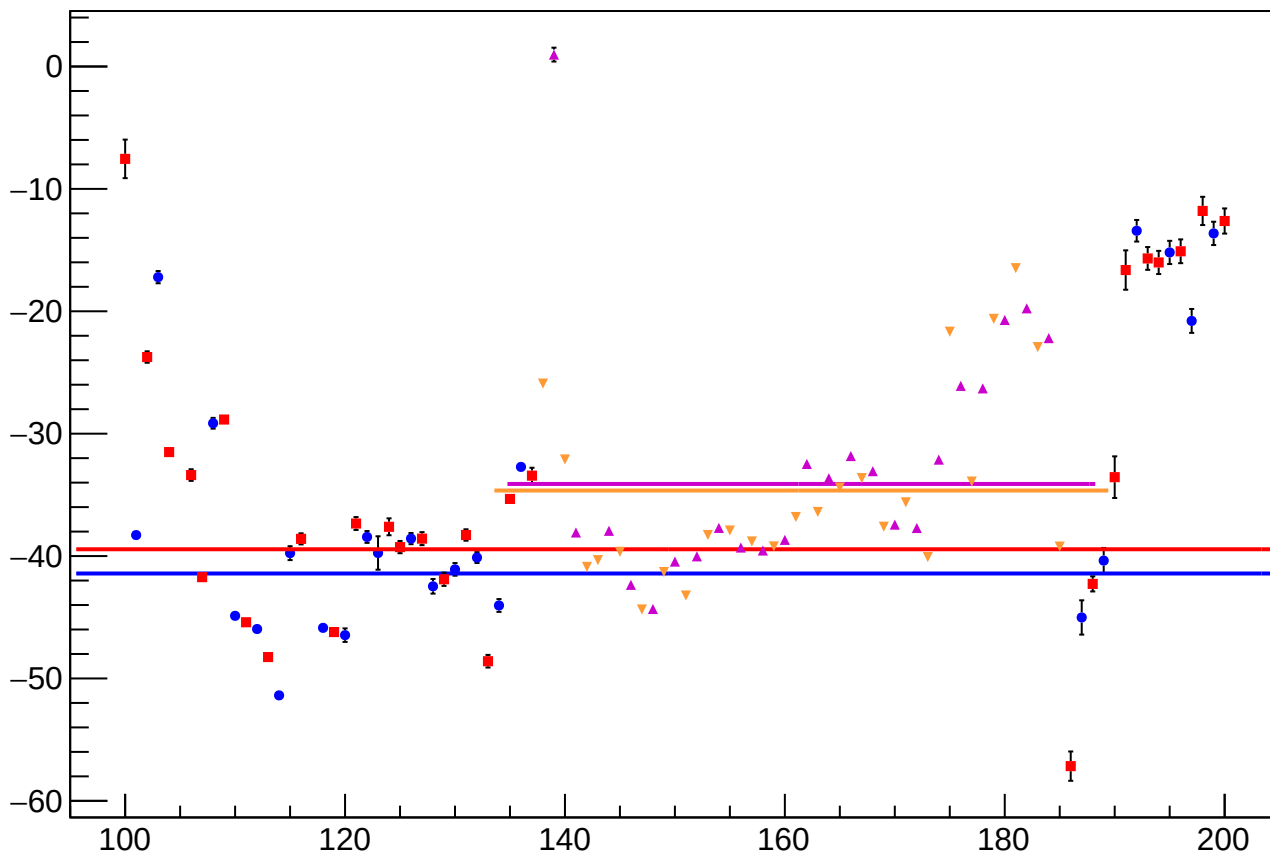
Left In: -2.959 ± 0.055 χ^2/NDF : 45922.6/22

+ sign -2.221 ± 0.052 χ^2/NDF : 58015.3/30

All: -2.284 ± 0.037 χ^2/NDF : 111125.2/62

- sign -2.350 ± 0.054 χ^2/NDF : 53106.9/31

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -41.424 ± 0.077 χ^2/NDF : 9713.0/22

Left Out: -34.646 ± 0.042 χ^2/NDF : 34674.7/24

Right Out: -39.444 ± 0.071 χ^2/NDF : 14990.4/27

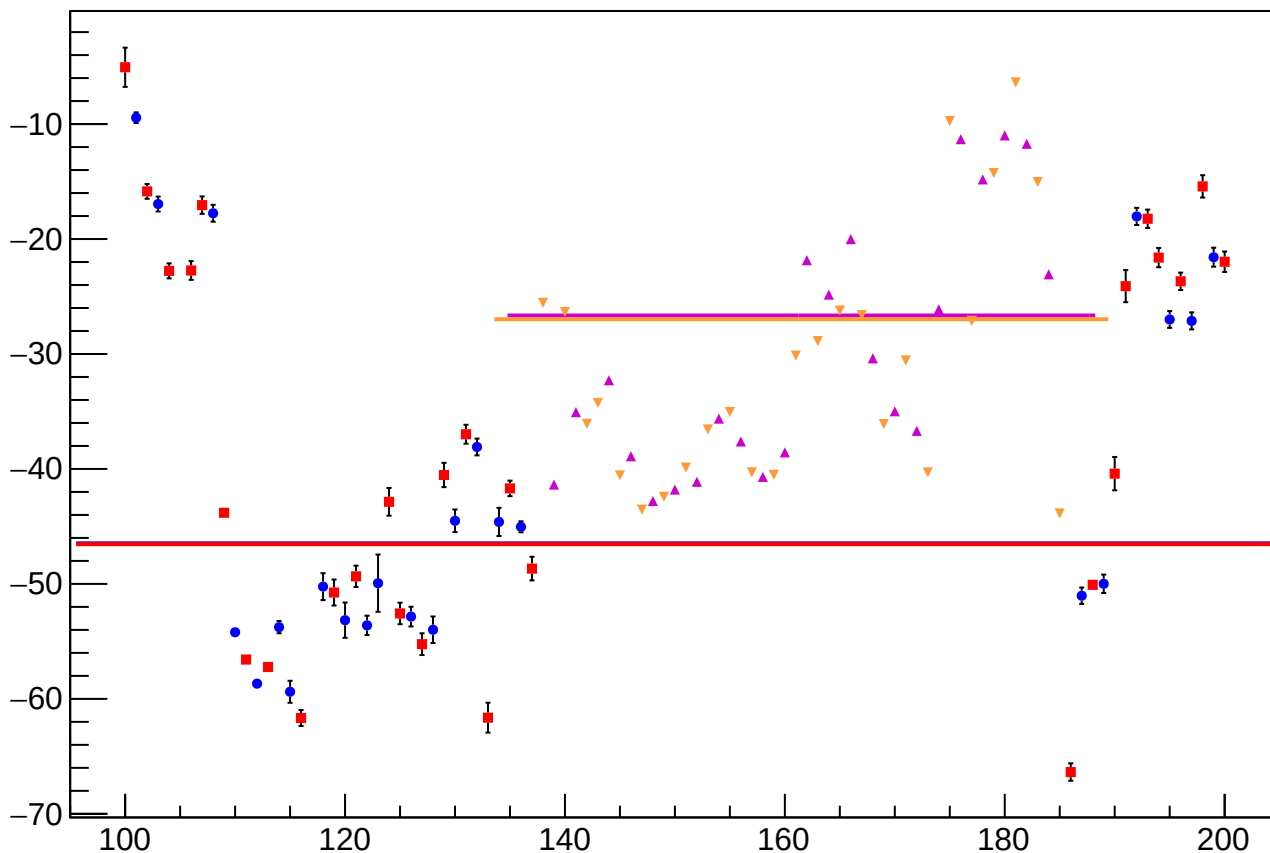
Left In: -34.108 ± 0.044 χ^2/NDF : 29052.8/22

+ sign -36.194 ± 0.037 χ^2/NDF : 50401.2/47

All: -35.895 ± 0.026 χ^2/NDF : 98653.8/98

- sign -35.583 ± 0.037 χ^2/NDF : 48116.7/50

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -46.473 ± 0.116 $\chi^2/\text{NDF}: 18796.3/22$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -46.543 ± 0.098 $\chi^2/\text{NDF}: 17846.4/27$

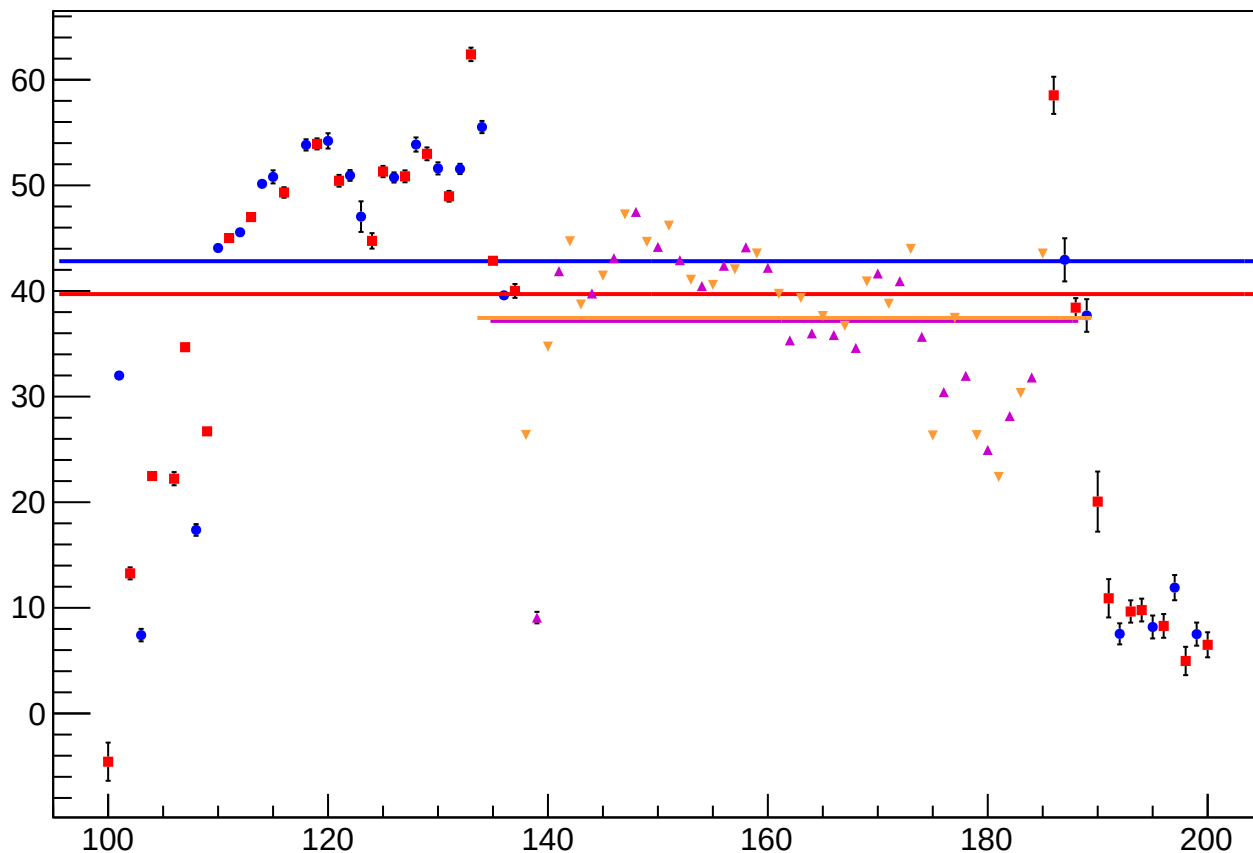
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.377 ± 0.048 $\chi^2/\text{NDF}: 91582.4/47$

All: -30.914 ± 0.034 $\chi^2/\text{NDF}: 183330.3/98$

- sign -31.441 ± 0.048 $\chi^2/\text{NDF}: 91503.2/50$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.822 $\pm$ 0.086 χ^2 /NDF: 14658.5/22

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

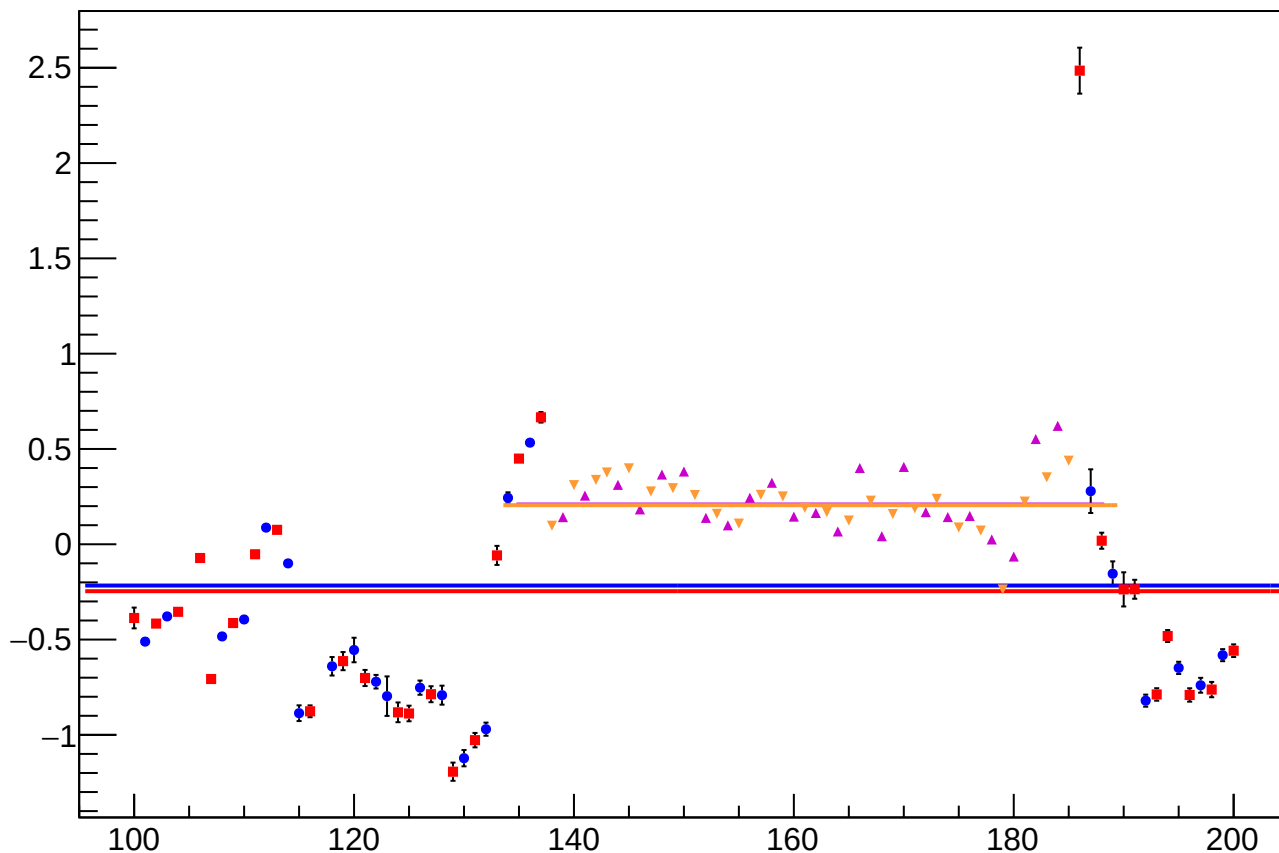
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.695 $\pm$ 0.041 χ^2 /NDF: 39247.3/47

All: 38.293 $\pm$ 0.029 χ^2 /NDF: 79336.0/98

- sign 37.882 $\pm$ 0.042 χ^2 /NDF: 39897.2/50

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.217 ± 0.005 $\chi^2/\text{NDF}: 8298.7/22$

Left Out: 0.205 ± 0.002 $\chi^2/\text{NDF}: 3826.2/24$

Right Out: -0.246 ± 0.004 $\chi^2/\text{NDF}: 8832.4/27$

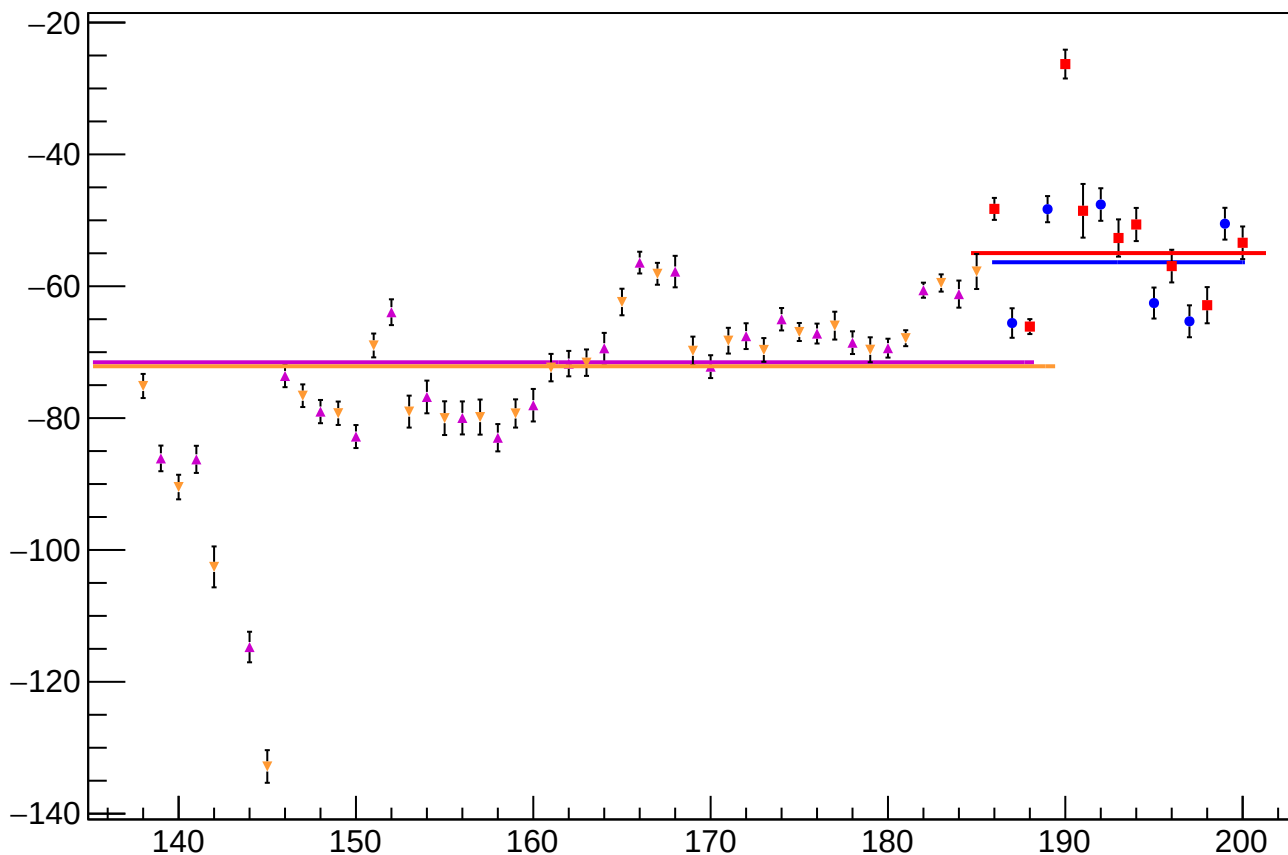
Left In: 0.208 ± 0.002 $\chi^2/\text{NDF}: 5094.6/22$

+ sign 0.129 ± 0.002 $\chi^2/\text{NDF}: 18900.8/47$

All: 0.116 ± 0.001 $\chi^2/\text{NDF}: 42361.9/98$

- sign 0.104 ± 0.002 $\chi^2/\text{NDF}: 23377.5/50$

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -56.358 ± 0.936 $\chi^2/\text{NDF}: 72.5/5$

Left Out: -72.138 ± 0.383 $\chi^2/\text{NDF}: 1121.3/23$

Right Out: -54.969 ± 0.682 $\chi^2/\text{NDF}: 300.2/8$

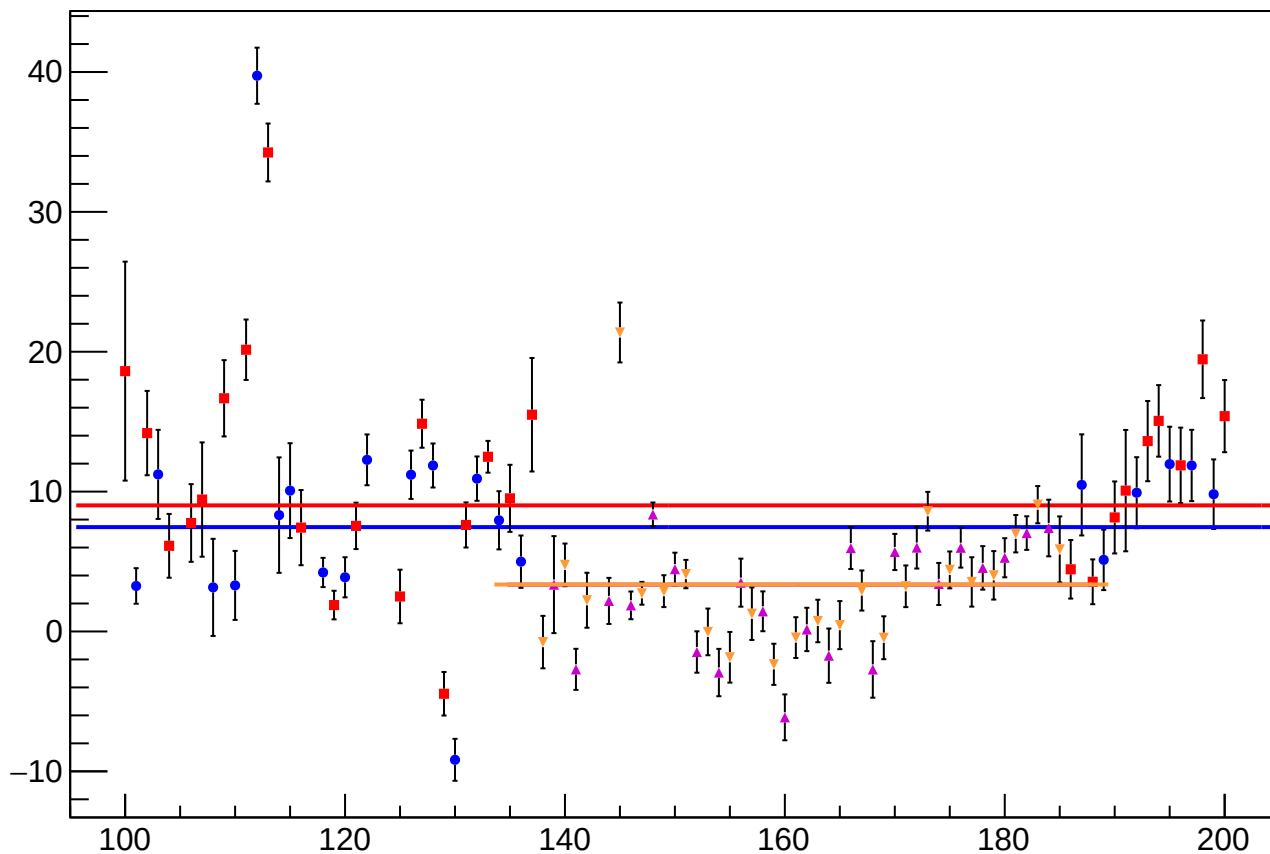
Left In: -71.534 ± 0.382 $\chi^2/\text{NDF}: 851.4/22$

+ sign -69.877 ± 0.354 $\chi^2/\text{NDF}: 1437.1/29$

All: -68.660 ± 0.243 $\chi^2/\text{NDF}: 3060.1/61$

- sign -67.584 ± 0.333 $\chi^2/\text{NDF}: 1600.7/31$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.461 ± 0.406 χ^2/NDF : 450.6/21

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 9.015 ± 0.393 χ^2/NDF : 396.0/26

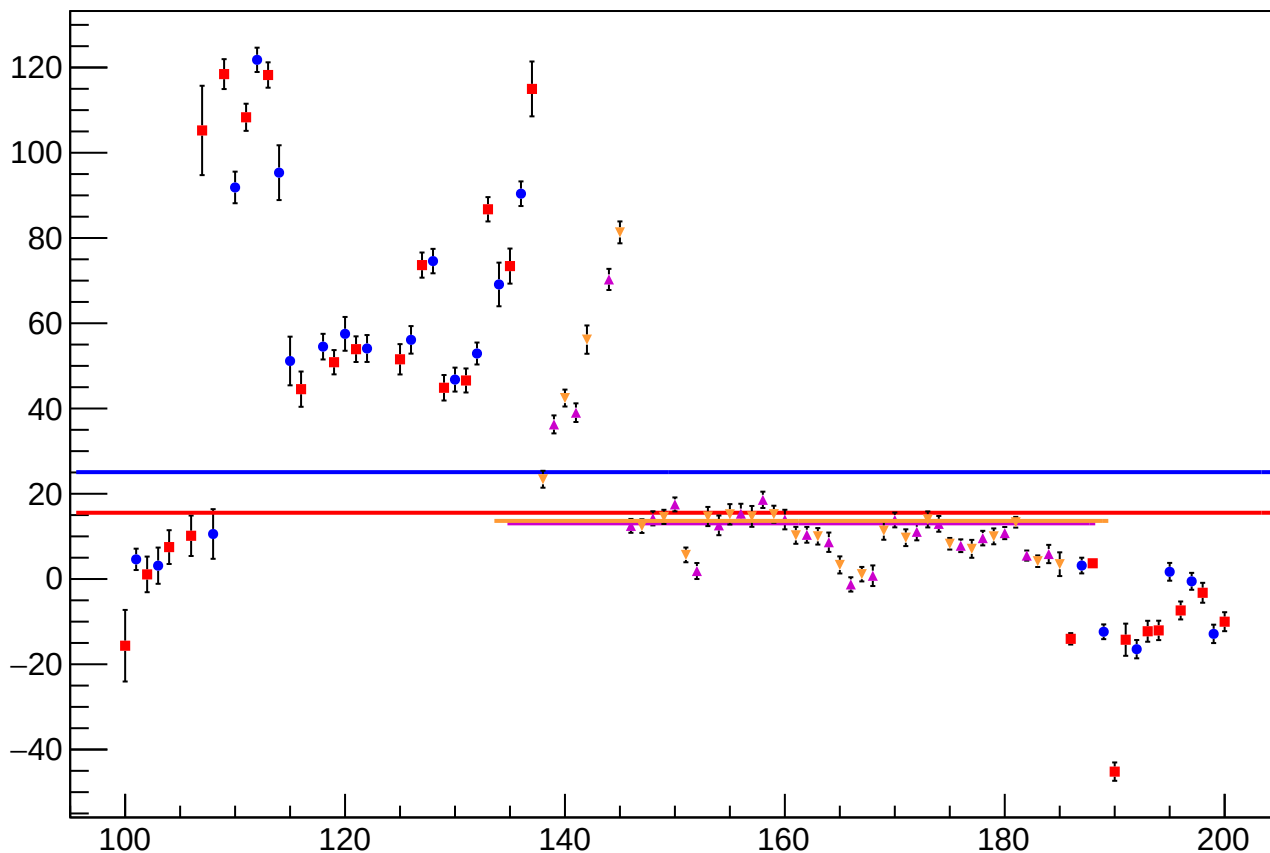
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.773 ± 0.239 χ^2/NDF : 685.2/45

All: 5.098 ± 0.168 χ^2/NDF : 1380.4/95

- sign 5.421 ± 0.238 χ^2/NDF : 691.5/49

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 25.072 $\pm$ 0.581 χ^2 /NDF: 4696.9/21

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

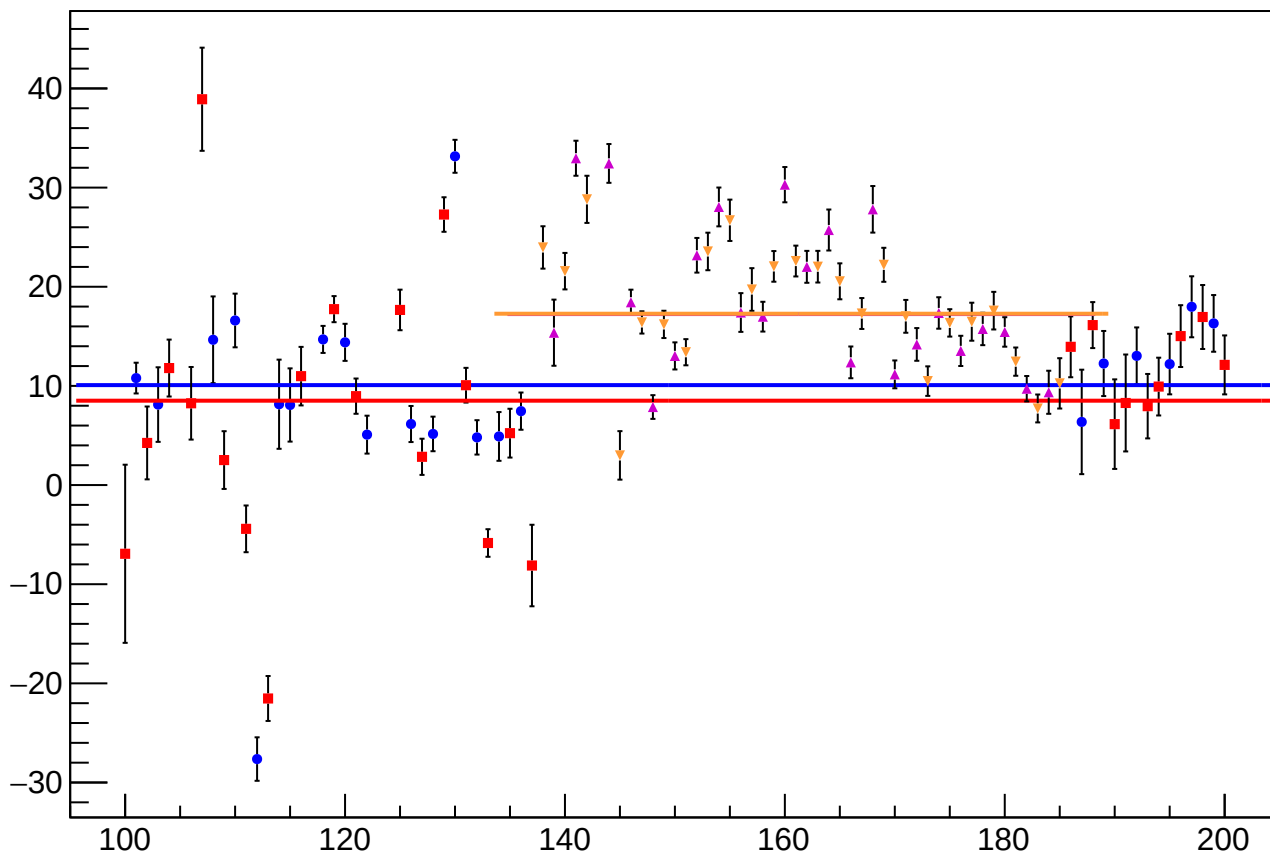
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 17.086 $\pm$ 0.319 χ^2 /NDF: 6268.0/45

All: 15.446 $\pm$ 0.217 χ^2 /NDF: 14599.7/95

- sign 14.024 $\pm$ 0.297 χ^2 /NDF: 8282.4/49

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.079 ± 0.473 $\chi^2/\text{NDF}: 562.3/21$

Left Out: 17.280 ± 0.337 $\chi^2/\text{NDF}: 243.9/23$

Right Out: 8.508 ± 0.463 $\chi^2/\text{NDF}: 598.1/26$

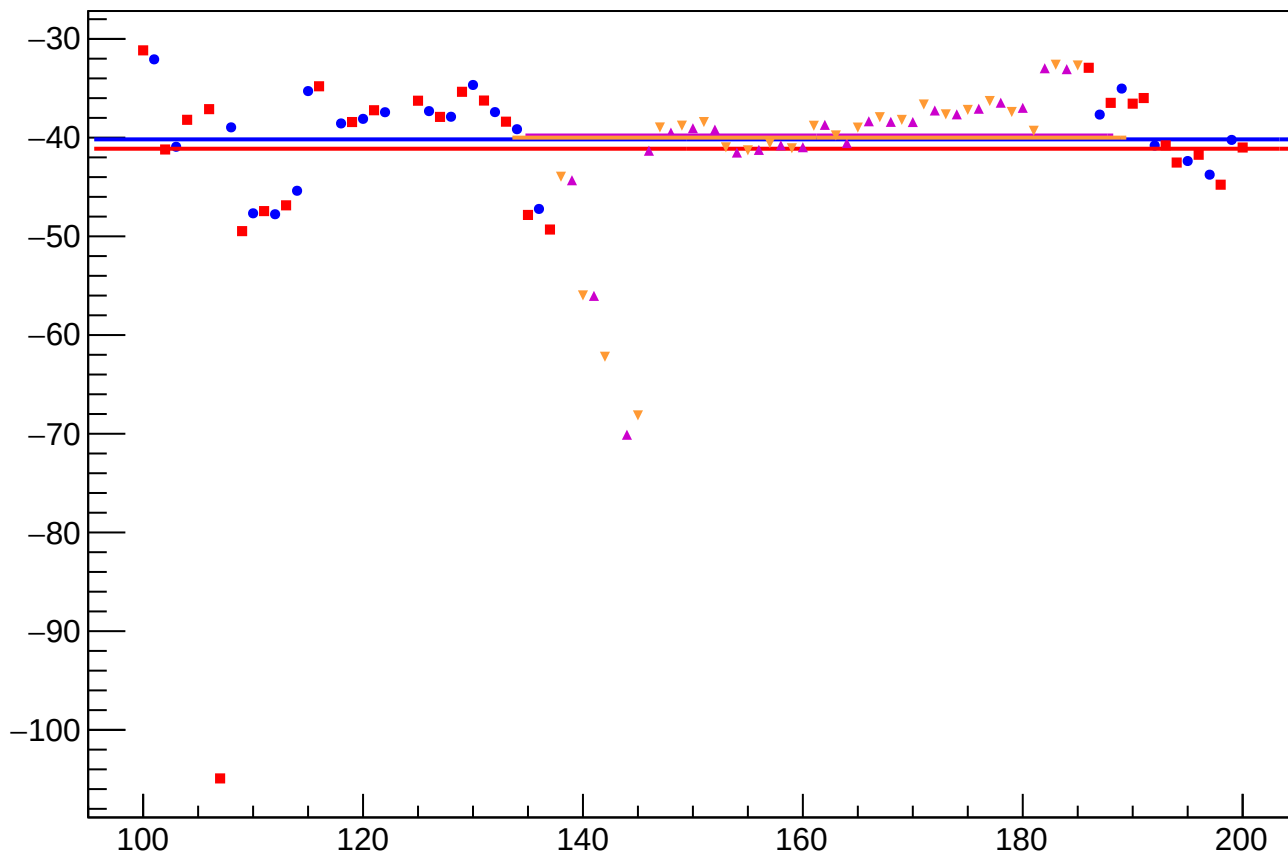
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.856 ± 0.275 $\chi^2/\text{NDF}: 959.8/45$

All: 14.523 ± 0.194 $\chi^2/\text{NDF}: 2233.2/95$

- sign 14.191 ± 0.274 $\chi^2/\text{NDF}: 1270.4/49$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.176 ± 0.025 χ^2/NDF : 29794.5/21

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -41.125 ± 0.023 χ^2/NDF : 102438.1/26

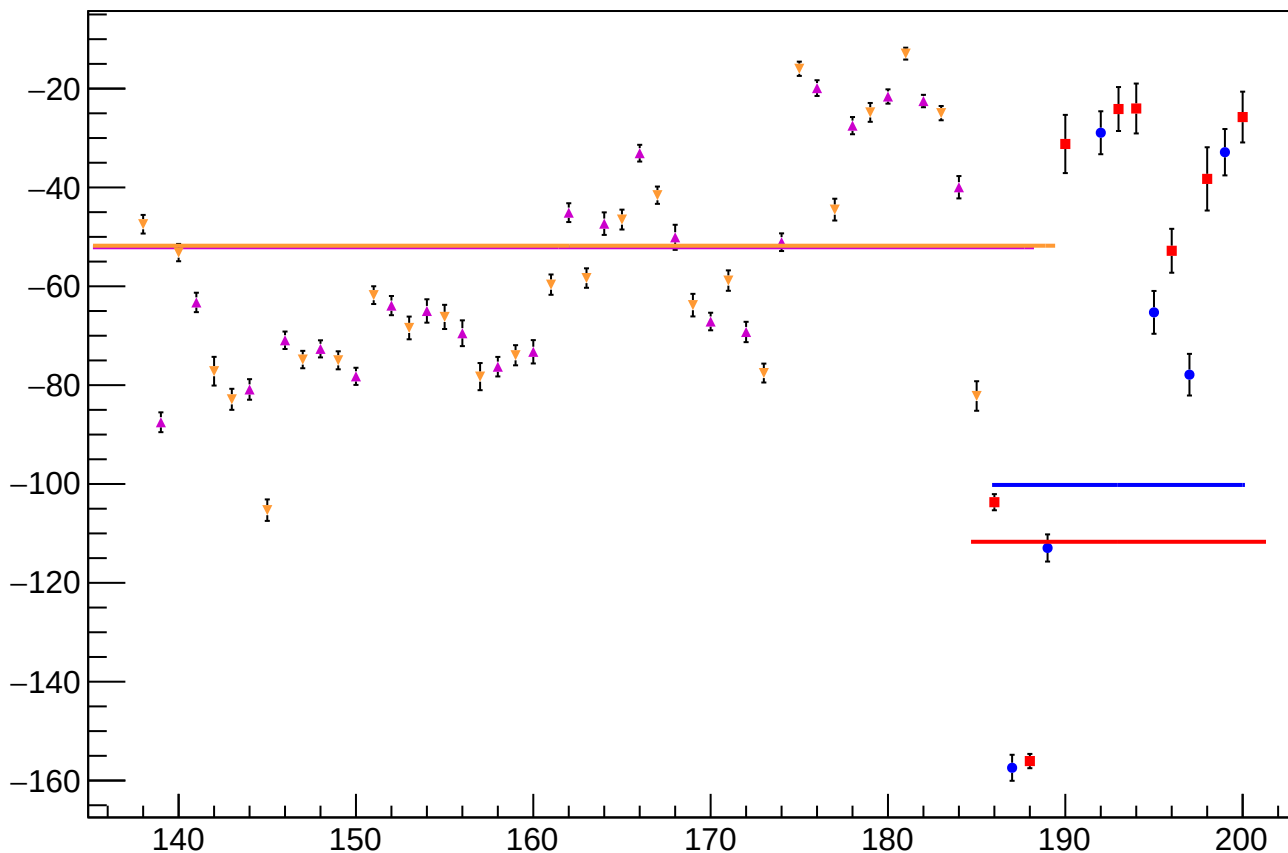
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -40.049 ± 0.013 χ^2/NDF : 202093.6/45

All: -40.127 ± 0.009 χ^2/NDF : 451371.2/95

- sign -40.201 ± 0.013 χ^2/NDF : 249211.2/49

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -100.192 ± 1.436 χ^2/NDF : 1062.3/5

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -111.693 ± 0.960 χ^2/NDF : 2429.2/7

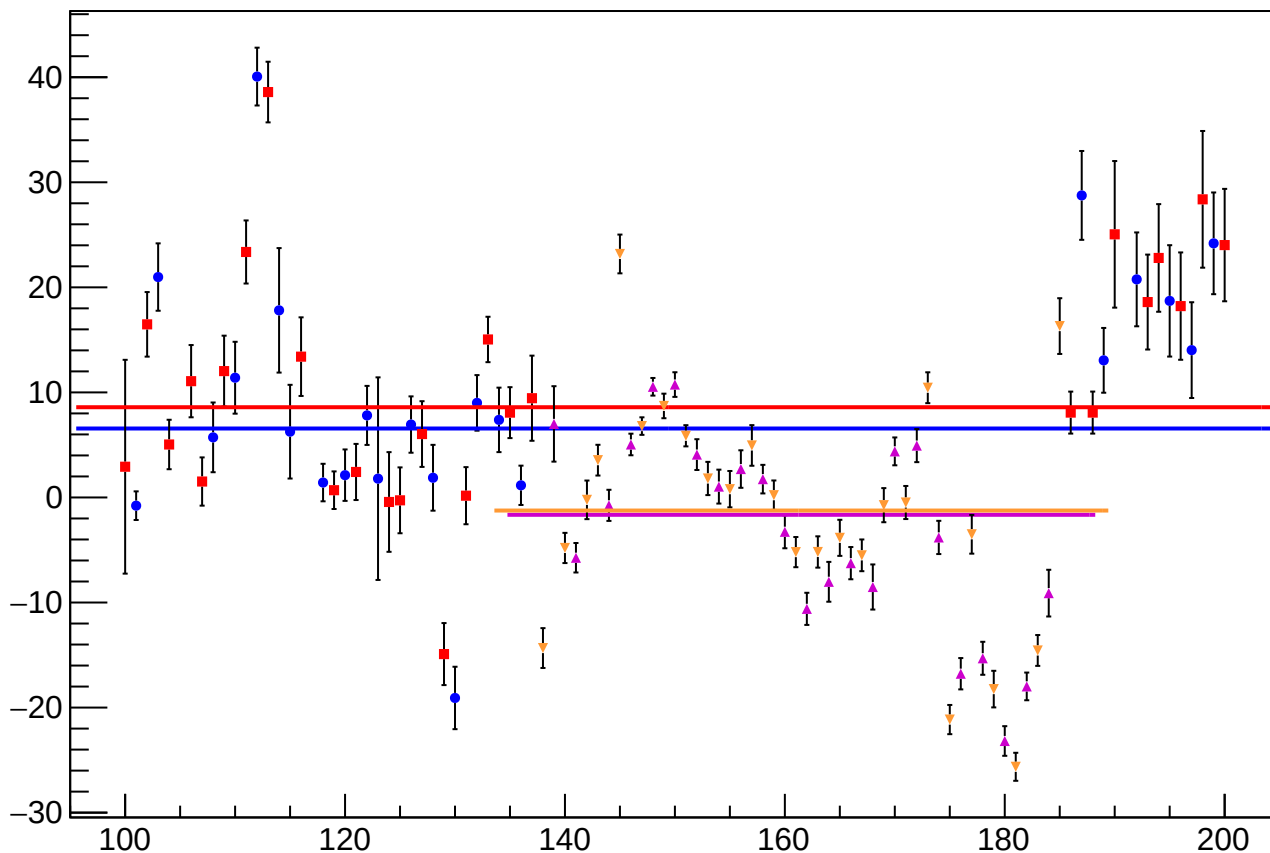
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -54.994 ± 0.370 χ^2/NDF : 6287.5/30

All: -57.819 ± 0.258 χ^2/NDF : 15422.7/61

- sign -60.500 ± 0.360 χ^2/NDF : 9021.5/30

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 6.563 ± 0.590 χ^2/NDF : 364.5/22

Left Out: -1.245 ± 0.292 χ^2/NDF : 1322.6/24

Right Out: 8.589 ± 0.571 χ^2/NDF : 312.6/26

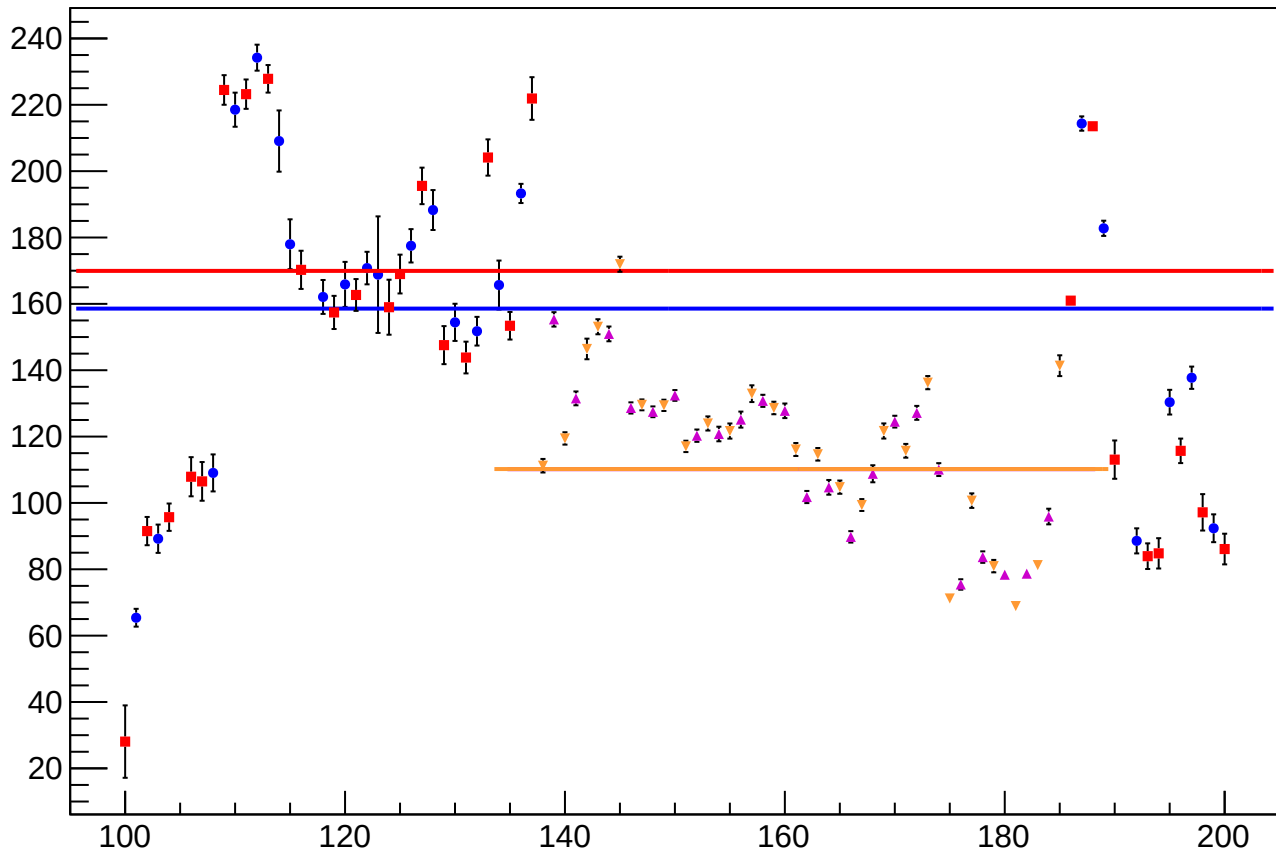
Left In: -1.650 ± 0.300 χ^2/NDF : 1092.2/22

+ sign 0.287 ± 0.262 χ^2/NDF : 1827.7/47

All: 0.423 ± 0.186 χ^2/NDF : 3484.7/97

- sign -0.564 ± 0.266 χ^2/NDF : 1656.4/49

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 158.573 ± 0.832 $\chi^2/\text{NDF}: 3753.1/22$

Left Out: 110.213 ± 0.382 $\chi^2/\text{NDF}: 4593.7/24$

Right Out: 169.939 ± 0.653 $\chi^2/\text{NDF}: 4864.5/26$

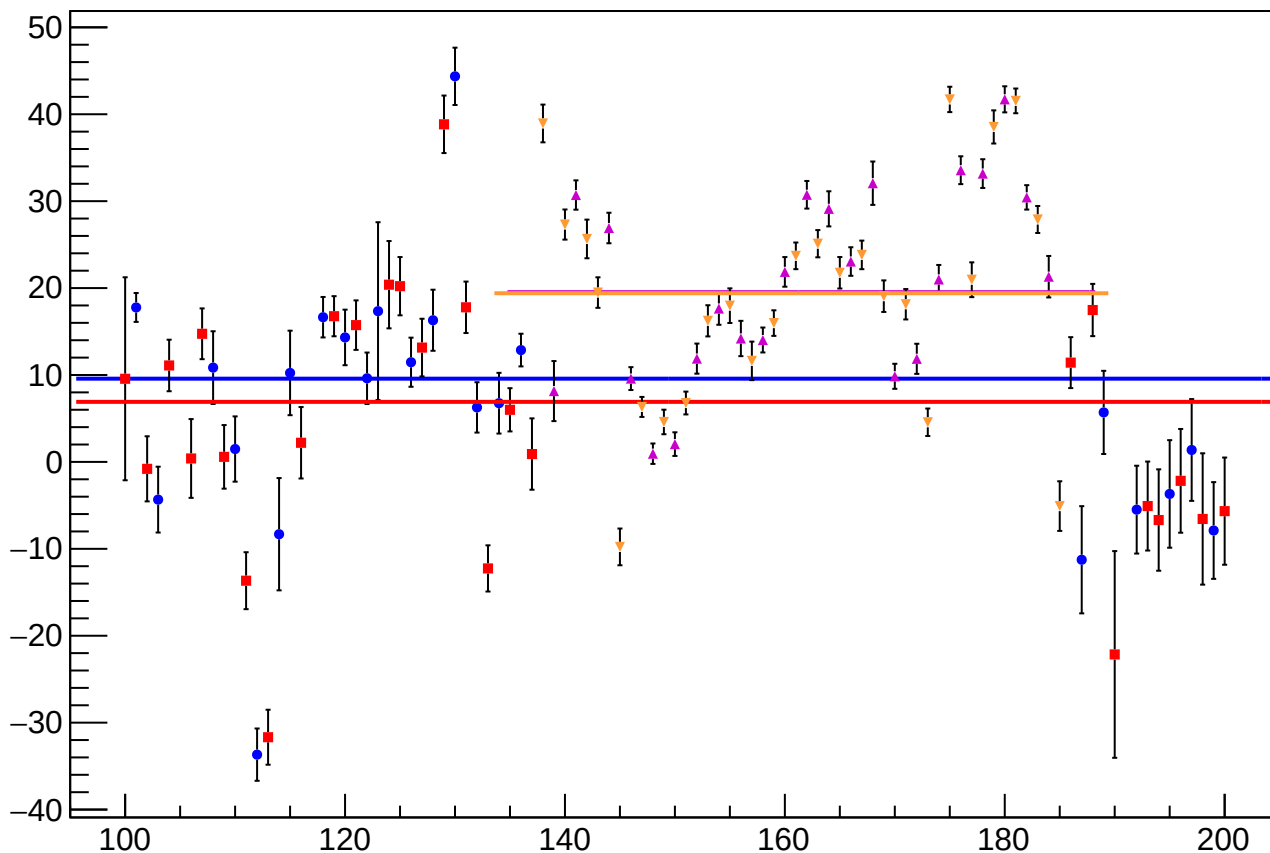
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 118.638 ± 0.347 $\chi^2/\text{NDF}: 11138.3/47$

All: 122.303 ± 0.240 $\chi^2/\text{NDF}: 26132.7/97$

- sign 125.660 ± 0.332 $\chi^2/\text{NDF}: 14780.8/49$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 9.577 $\pm$ 0.686 χ^2/NDF : 426.8/22

Left Out: 19.405 $\pm$ 0.335 χ^2/NDF :1453.4/24

Right Out: 6.910 $\pm$ 0.681 χ^2/NDF : 464.6/26

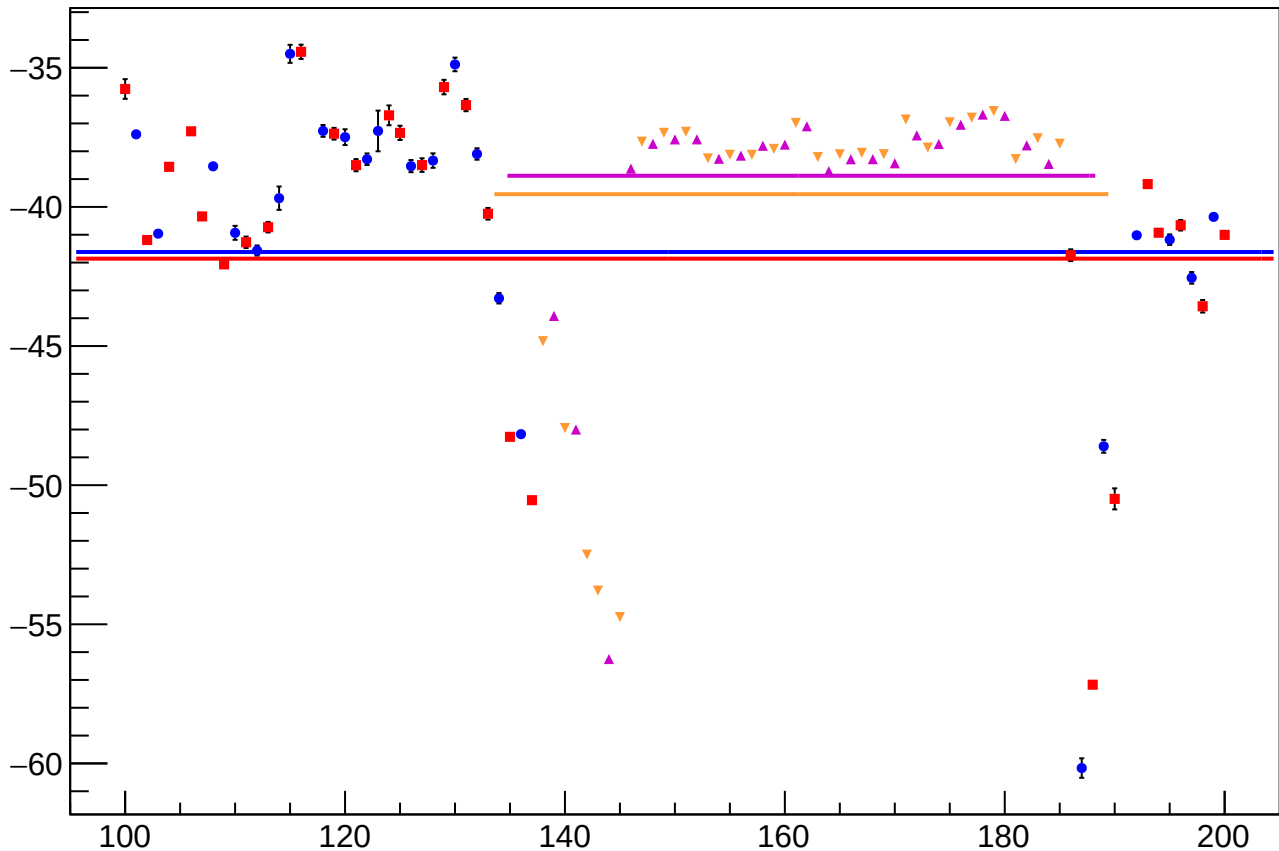
Left In: 19.530 $\pm$ 0.342 χ^2/NDF :1181.3/22

+ sign 17.517 $\pm$ 0.301 χ^2/NDF : 2045.9/47

All: 17.254 $\pm$ 0.215 χ^2/NDF : 3967.6/97

- sign 16.981 $\pm$ 0.306 χ^2/NDF : 1920.2/49

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.620 ± 0.035 $\chi^2/\text{NDF}: 16398.6/22$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.859 ± 0.033 $\chi^2/\text{NDF}: 22640.4/26$

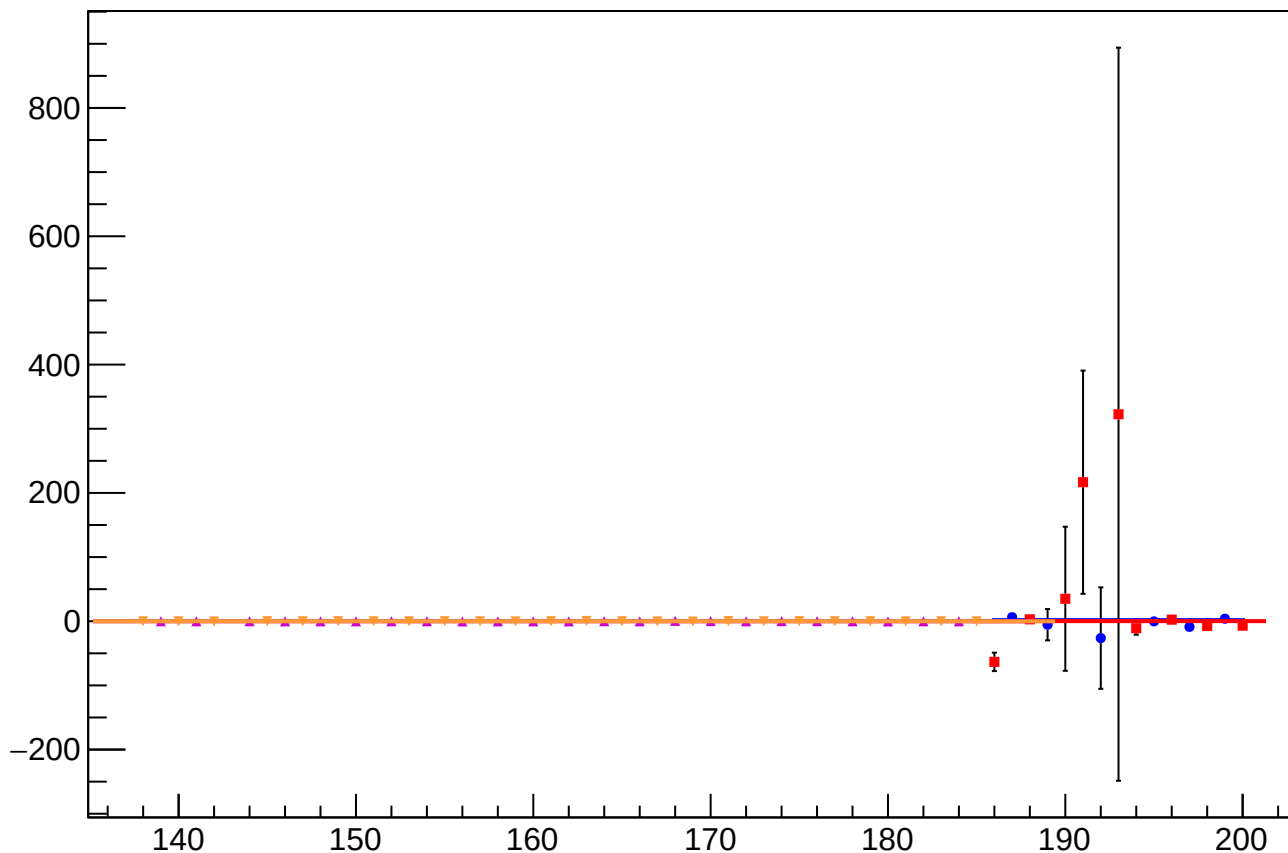
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.894 ± 0.014 $\chi^2/\text{NDF}: 111383.1/47$

All: -39.660 ± 0.010 $\chi^2/\text{NDF}: 194434.2/97$

- sign -39.426 ± 0.014 $\chi^2/\text{NDF}: 82517.6/49$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.723+/-2.090 χ^2/NDF : 7.8/5

Left Out: -0.089+/-0.022 χ^2/NDF : 39.7/23

Right Out: 0.191+/-1.650 χ^2/NDF : 28.0/8

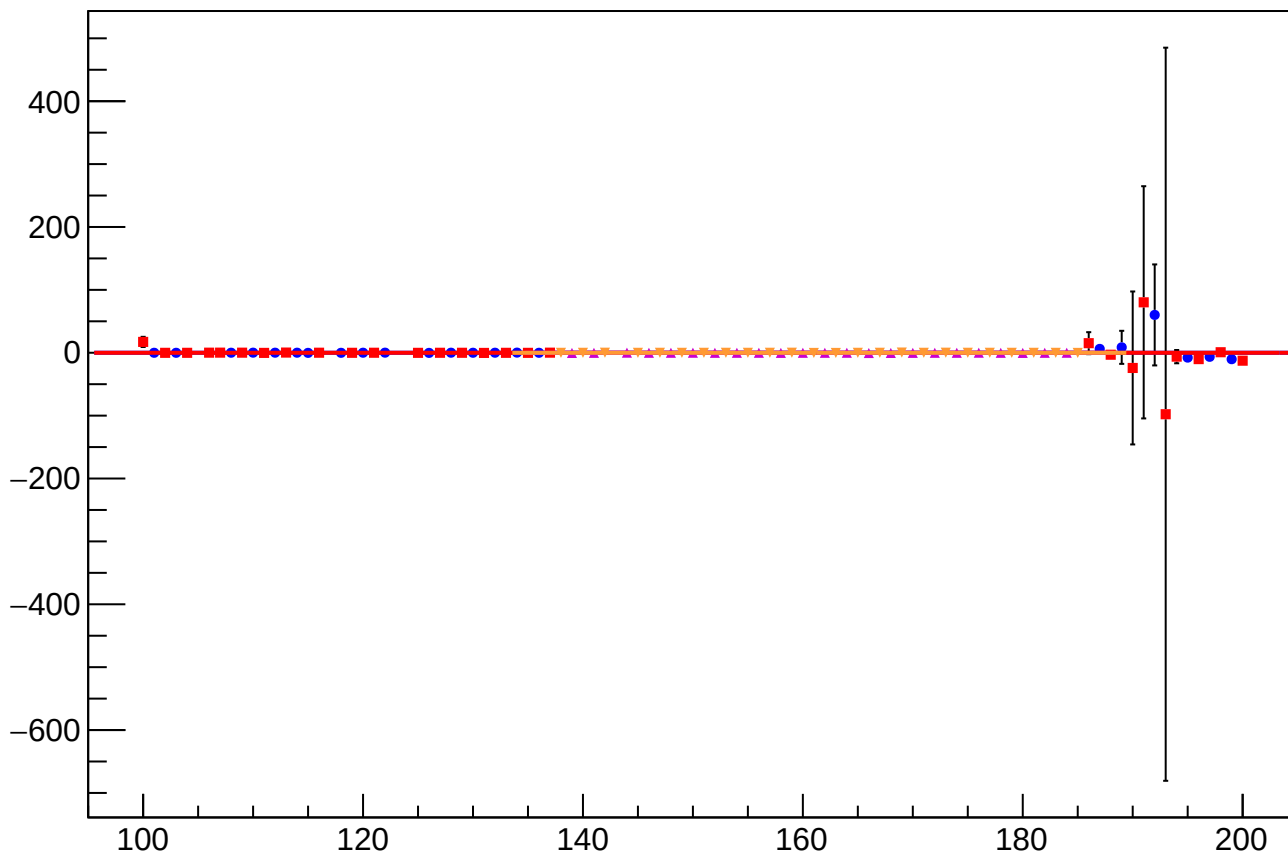
Left In: -0.026+/-0.022 χ^2/NDF : 33.3/22

+ sign -0.088+/-0.022 χ^2/NDF : 48.3/29

All: -0.057+/-0.016 χ^2/NDF : 113.6/61

- sign -0.025+/-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 : 21.2/21

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.051 ± 0.029 χ^2/NDF : 34.8/26

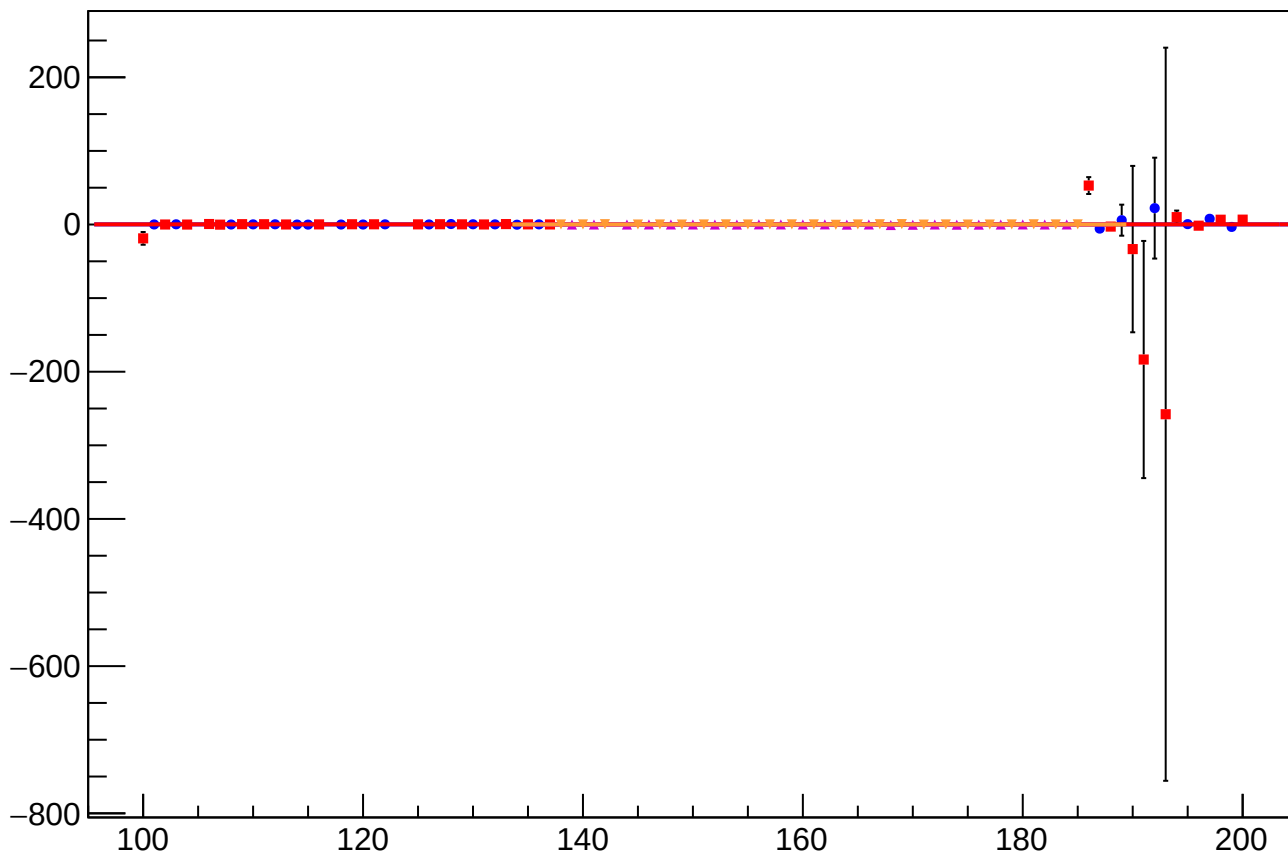
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 52.6/45

All: -0.056 ± 0.011 χ^2/NDF : 119.3/95

- 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 : 22.5/21

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.235 ± 0.054 χ^2/NDF : 52.3/26

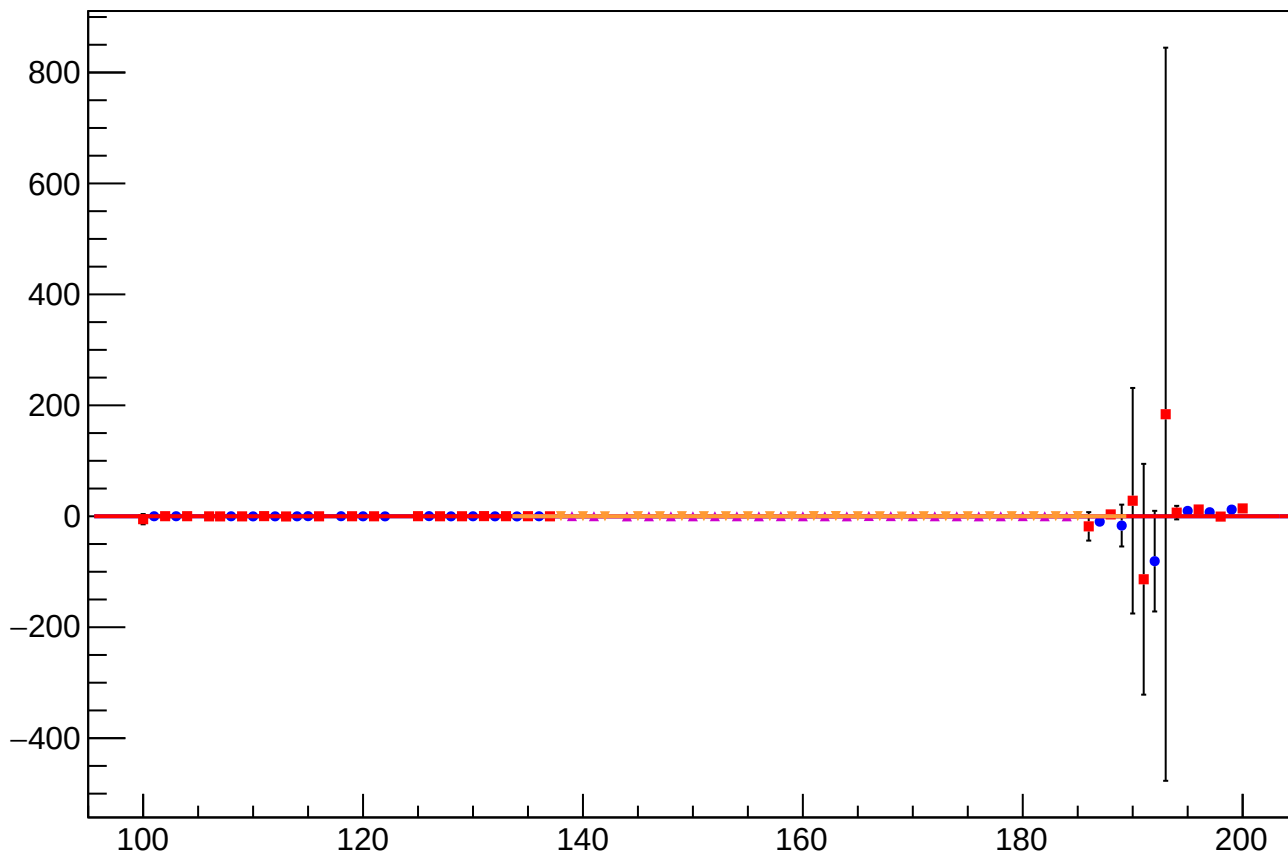
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 63.4/45

All: 0.073 ± 0.014 χ^2/NDF : 167.2/95

- 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 : 23.4/21

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.058 ± 0.034 χ^2/NDF : 29.0/26

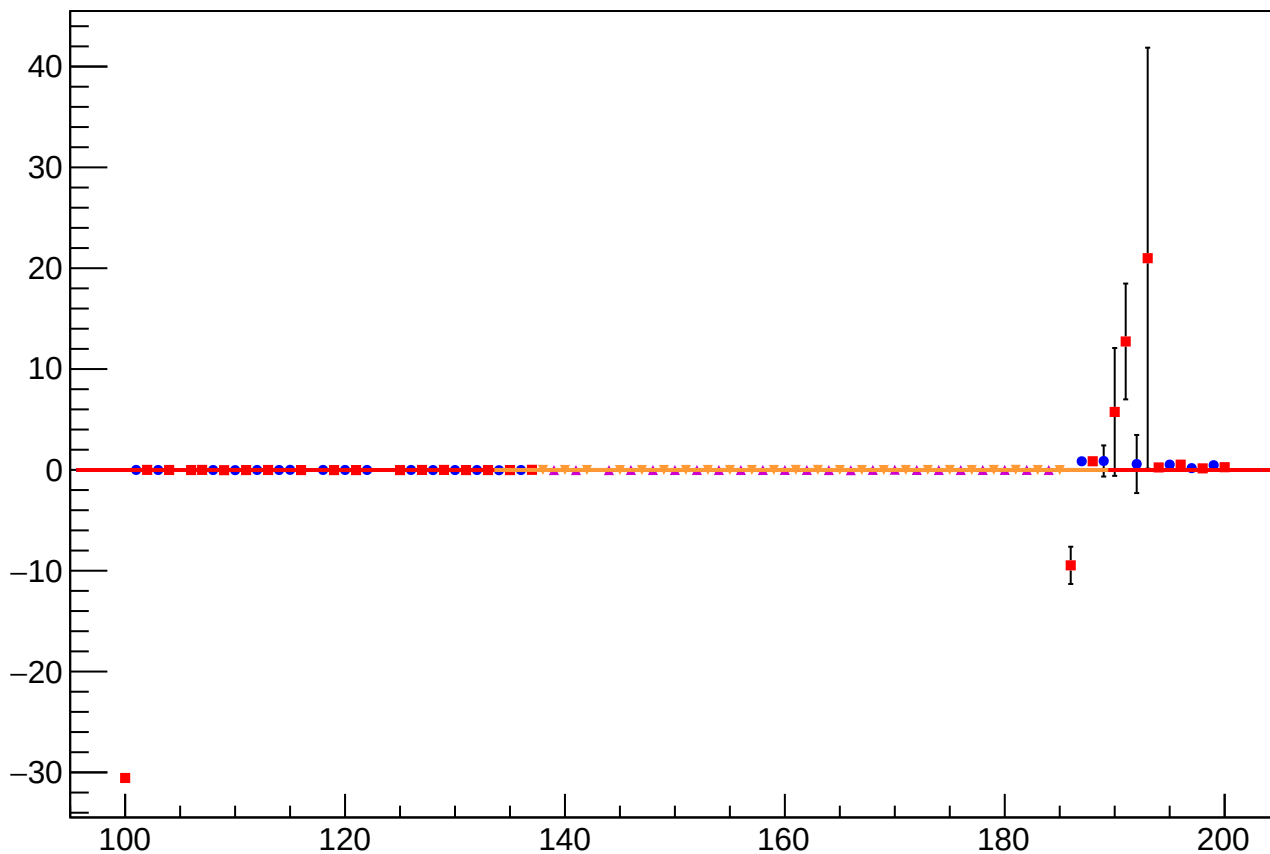
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 61.3/45

All: 0.071 ± 0.012 χ^2/NDF : 121.9/95

- 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 : 31.2/21

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11945.7/26

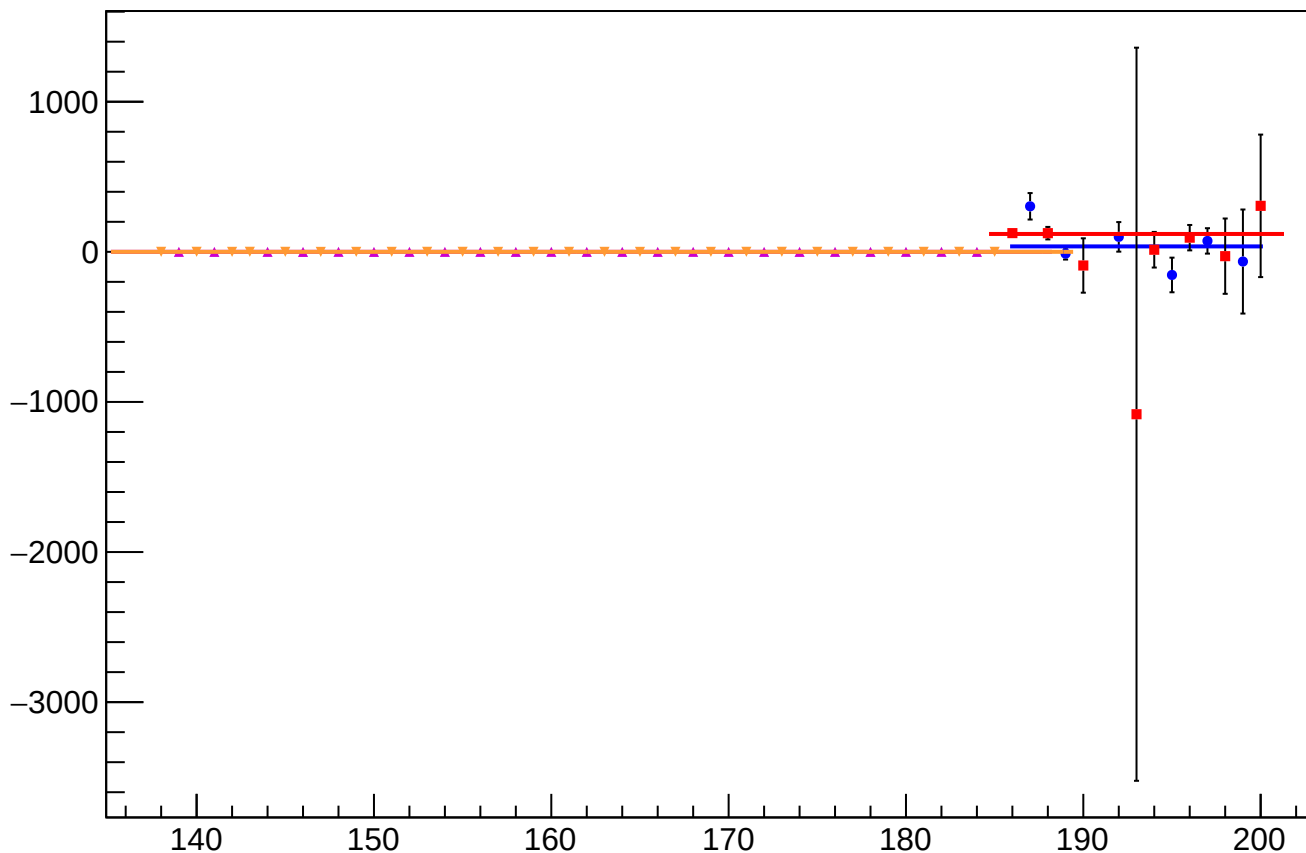
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 64.9/45

All: -0.009 ± 0.001 χ^2/NDF : 12054.3/95

- sign -0.009 ± 0.001 χ^2/NDF : 11989.0/49

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 36.202 $\pm$ 30.197 χ^2/NDF : 14.1/5

Left Out: 0.017 $\pm$ 0.027 χ^2/NDF :30.9/24

Right Out: 119.057 $\pm$ 16.526 χ^2/NDF : 3.1/7

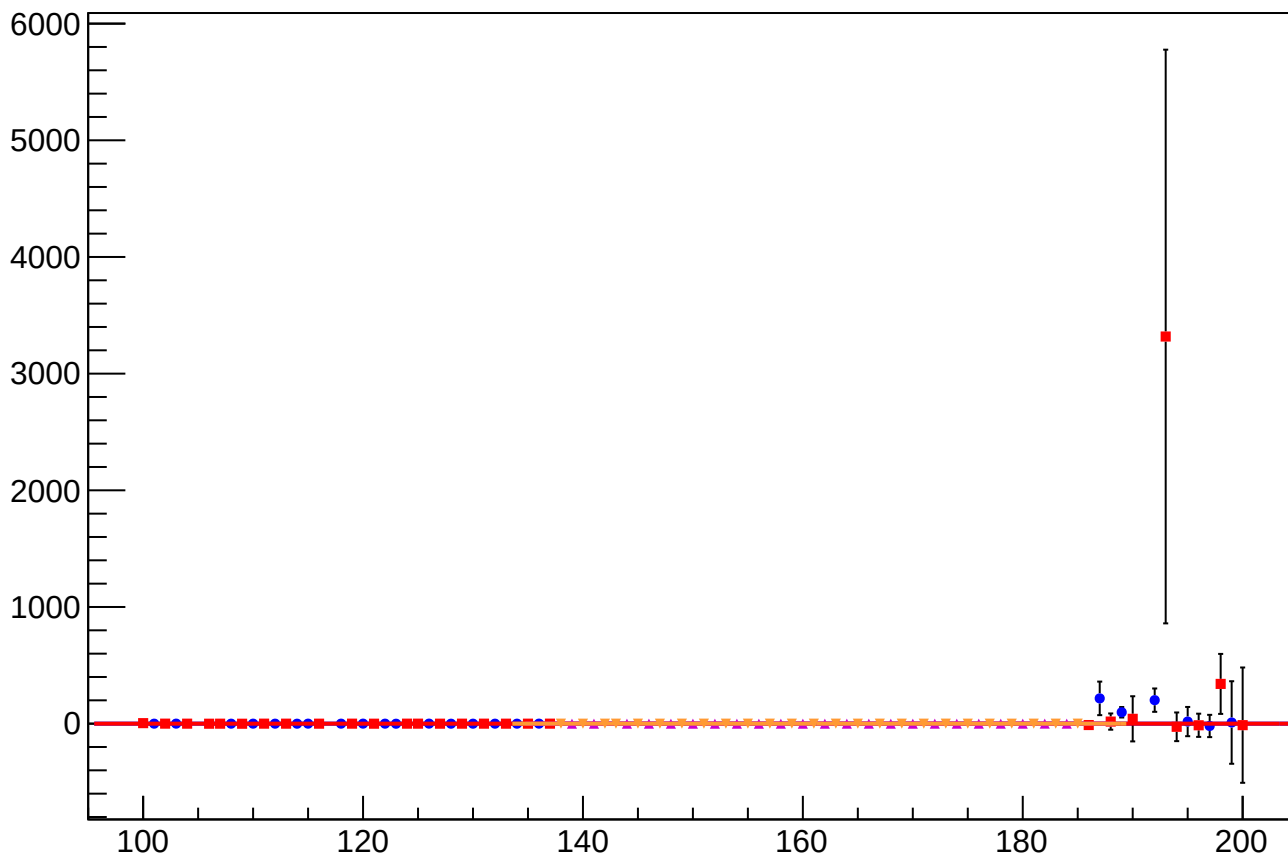
Left In: 0.002 $\pm$ 0.028 χ^2/NDF :29.0/22

+ sign 0.018 $\pm$ 0.027 χ^2/NDF : 46.5/30

All: 0.010 $\pm$ 0.019 χ^2/NDF : 130.6/61

- sign 0.003 $\pm$ 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 : 34.1/22

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 22.5/26

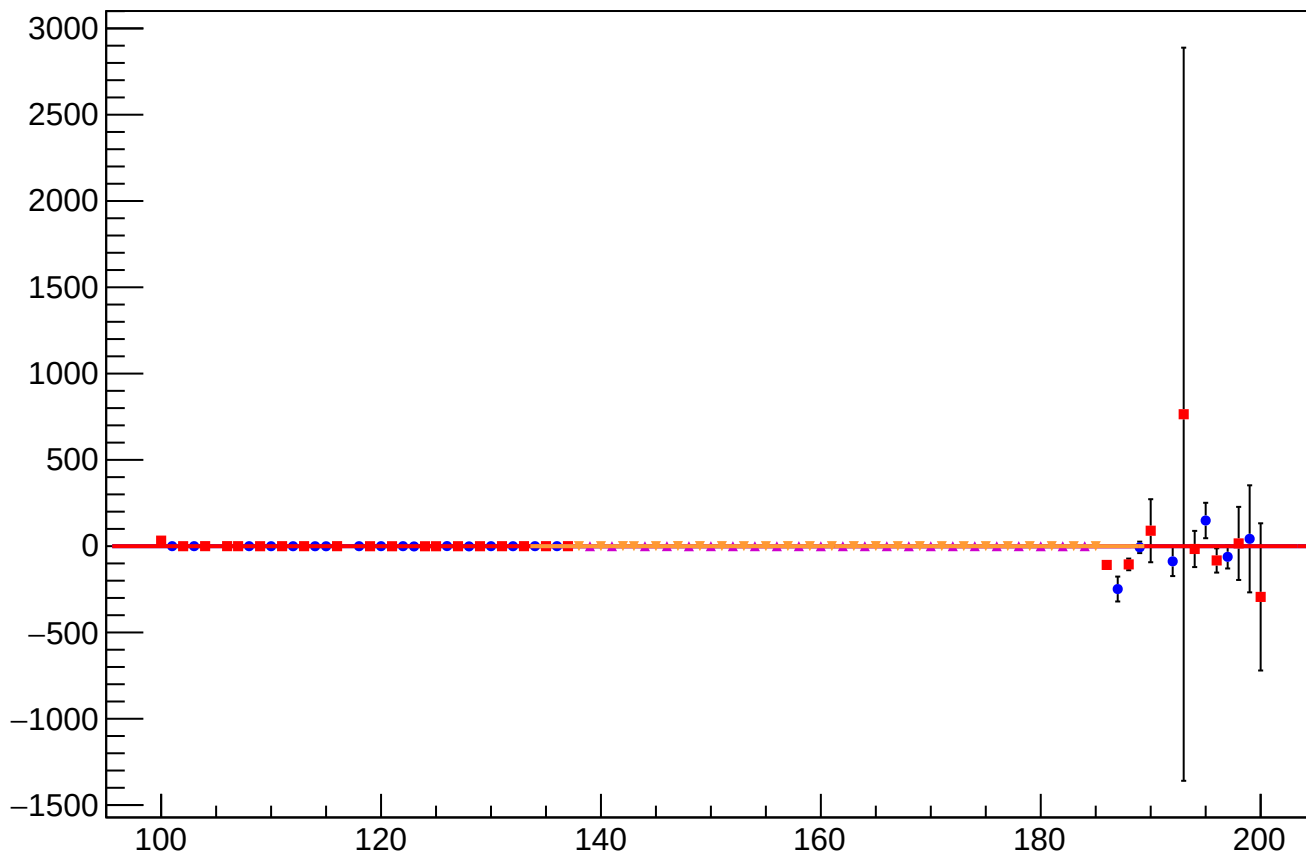
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 59.5/47

All: -0.066 ± 0.013 χ^2/NDF : 133.7/97

- 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 : 40.6/22

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 78.1/26

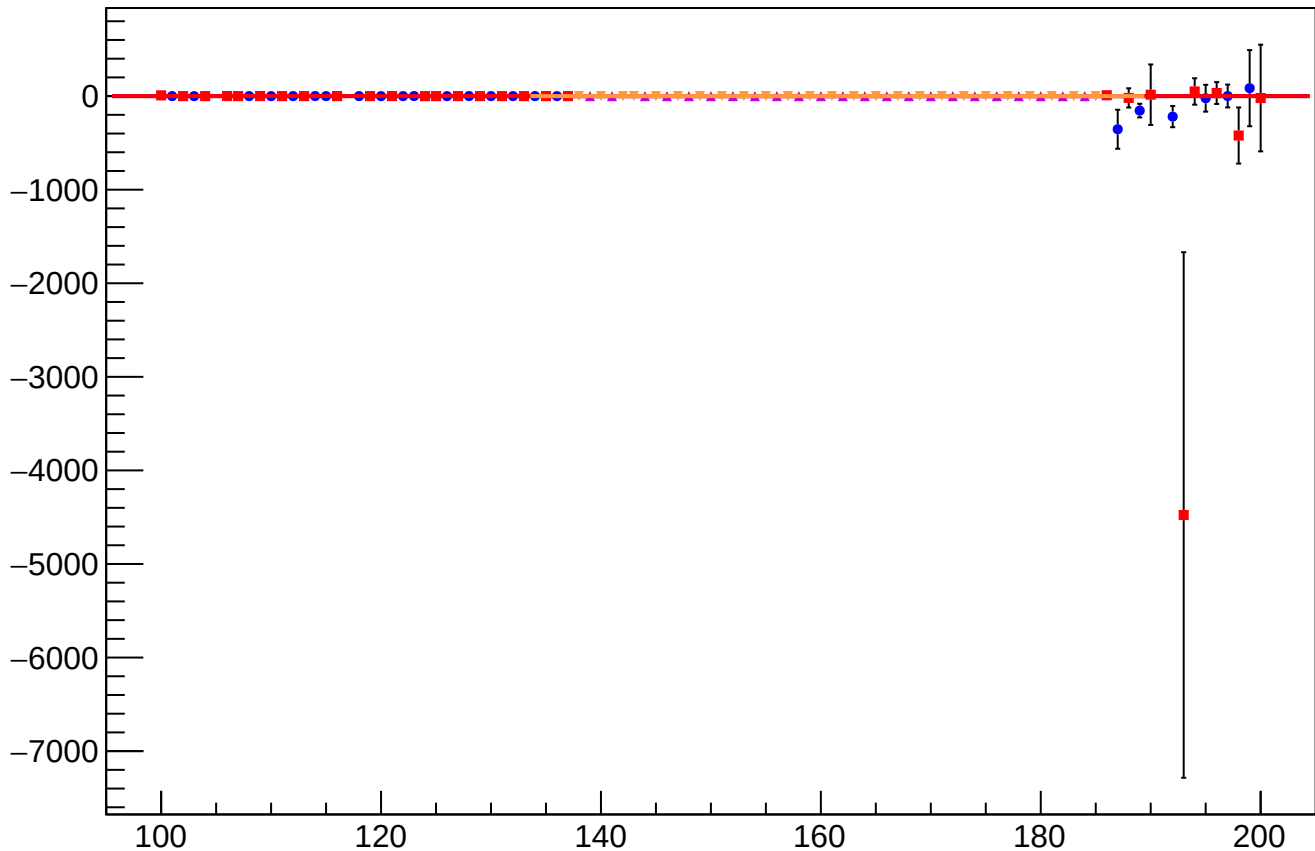
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 72.3/47

All: -0.042 ± 0.018 χ^2/NDF : 182.1/97

- 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 : 32.8/22

Left Out: 0.063 ± 0.024 χ^2/NDF : 24.6/24

Right Out: 0.144 ± 0.045 χ^2/NDF : 21.6/26

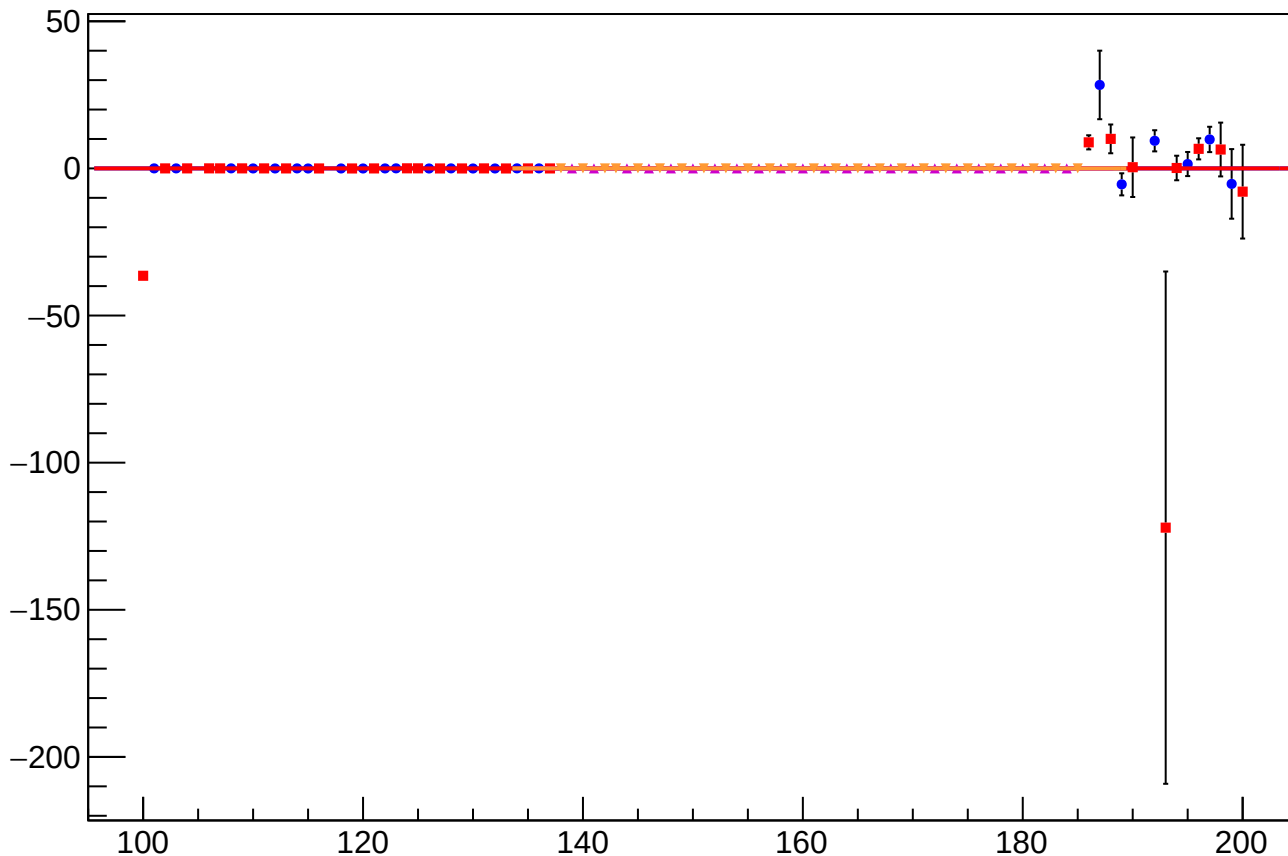
Left In: 0.069 ± 0.025 χ^2/NDF : 51.8/22

+ sign 0.052 ± 0.021 χ^2/NDF : 58.3/47

All: 0.069 ± 0.015 χ^2/NDF : 135.1/97

- sign 0.086 ± 0.022 χ^2/NDF : 75.6/49

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 50.9/22

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF: 26.3/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10473.1/26

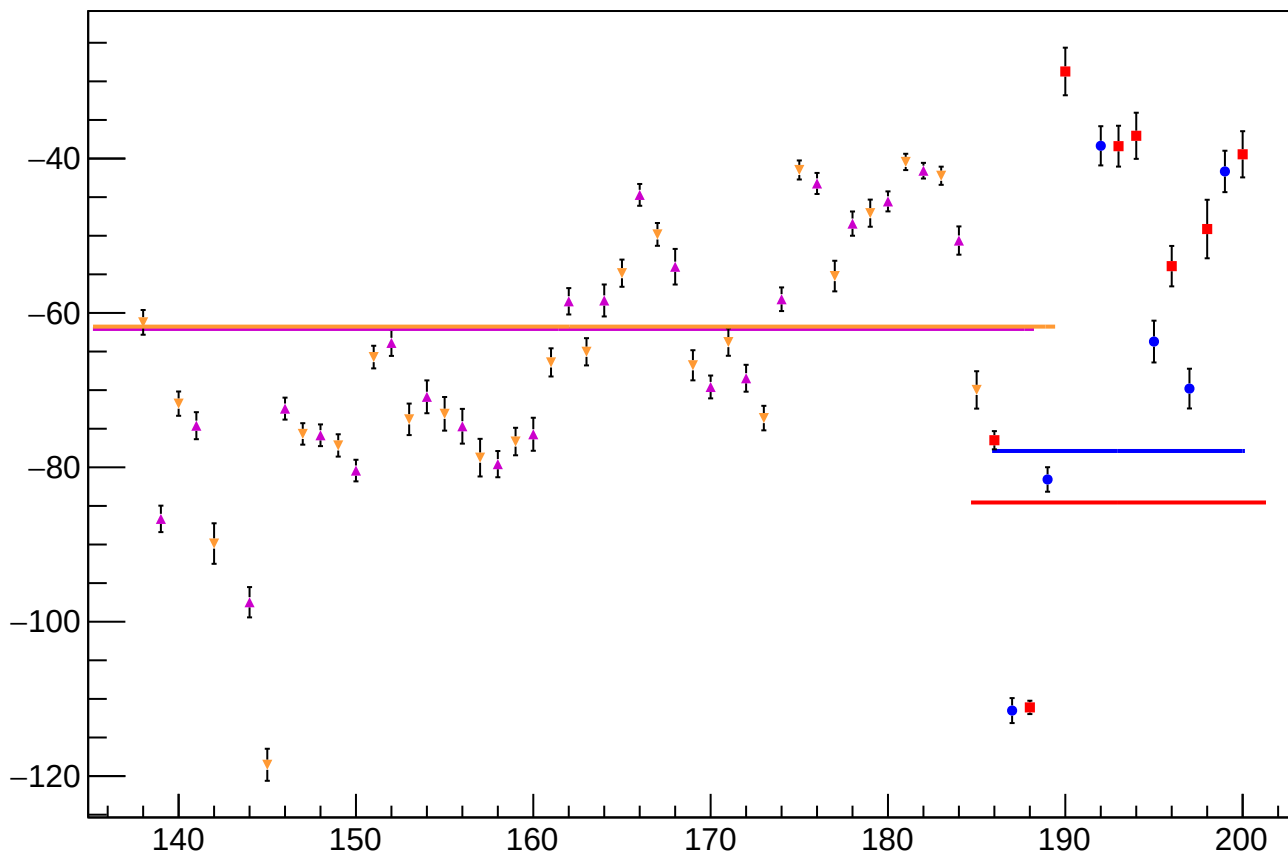
Left In: 0.009 $\pm$ 0.001 χ^2 /NDF: 15.0/22

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 85.2/47

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10583.8/97

- sign 0.007 $\pm$ 0.001 χ^2 /NDF: 10498.4/49

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -77.883 ± 0.857 χ^2/NDF : 899.6/5

Left Out: -61.771 ± 0.334 χ^2/NDF : 2504.9/23

Right Out: -84.555 ± 0.603 χ^2/NDF : 2326.9/7

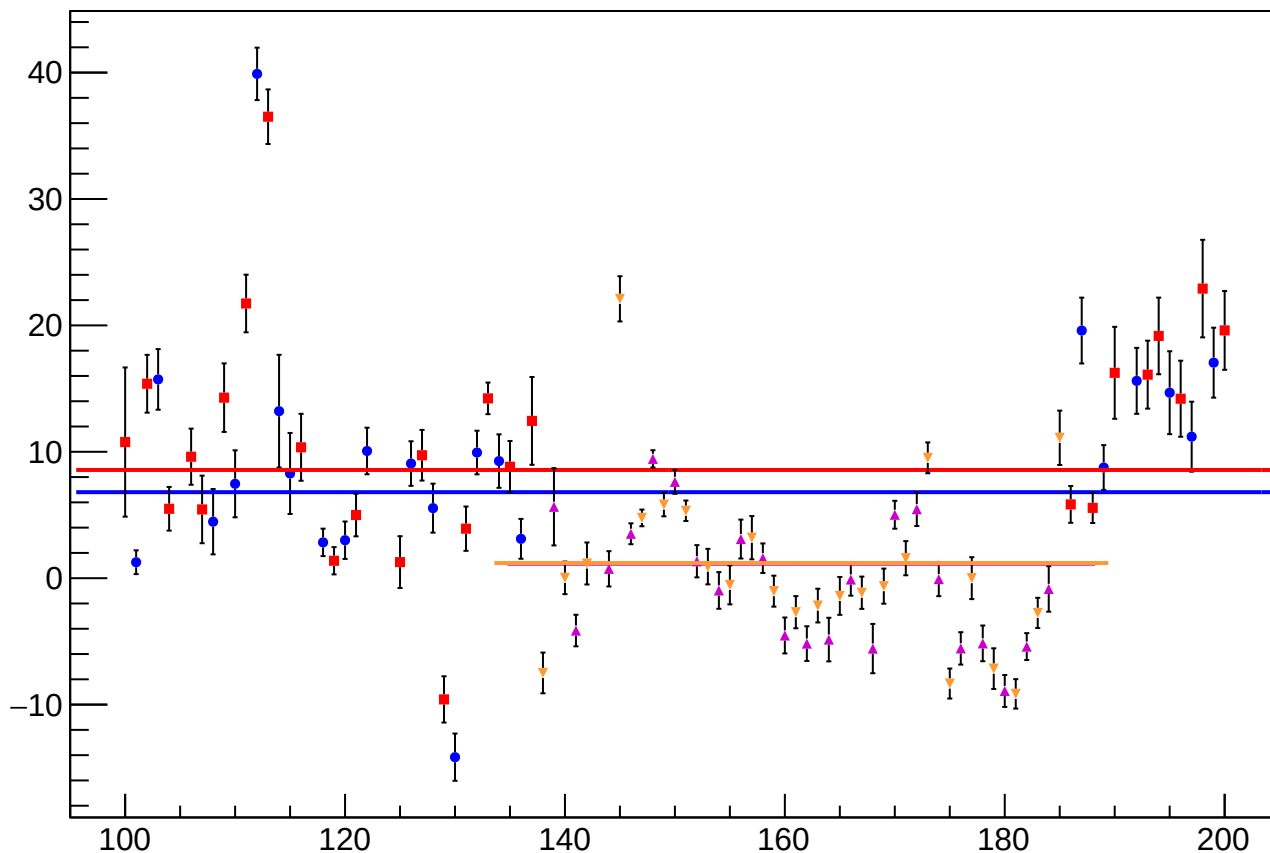
Left In: -62.073 ± 0.332 χ^2/NDF : 2192.0/22

+ sign -63.893 ± 0.311 χ^2/NDF : 3711.2/29

All: -65.713 ± 0.213 χ^2/NDF : 9359.4/60

- sign -67.306 ± 0.291 χ^2/NDF : 5584.0/30

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 6.805 $\pm$ 0.396 χ^2/NDF : 526.4/21

Left Out: 1.198 $\pm$ 0.253 χ^2/NDF : 526.3/23

Right Out: 8.563 $\pm$ 0.388 χ^2/NDF : 472.8/25

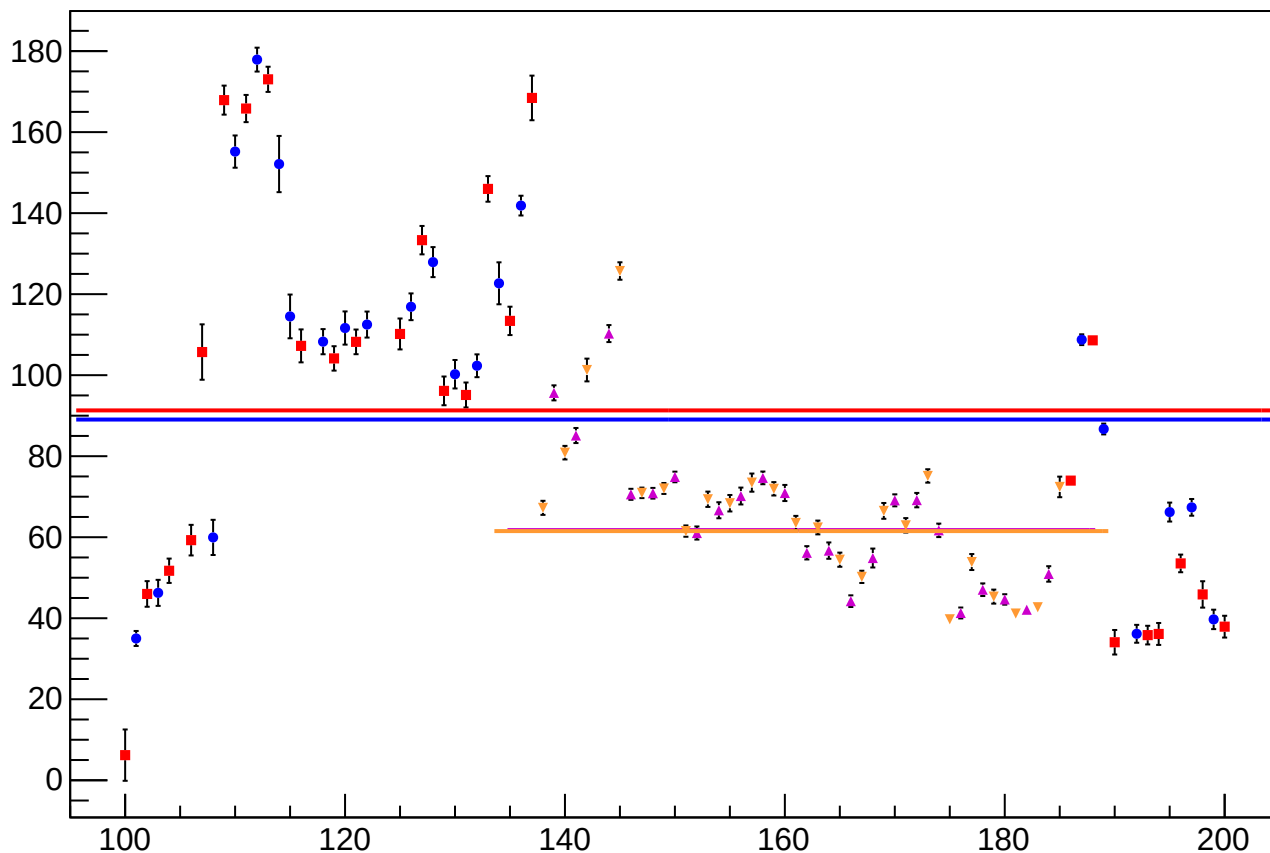
Left In: 1.146 $\pm$ 0.255 χ^2/NDF : 462.9/22

+ sign 2.820 $\pm$ 0.213 χ^2/NDF : 1195.3/45

All: 3.104 $\pm$ 0.151 χ^2/NDF : 2389.7/94

- sign 3.388 $\pm$ 0.213 χ^2/NDF : 1190.8/48

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 89.048 $\pm$ 0.539 χ^2 /NDF: 4633.7/21

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

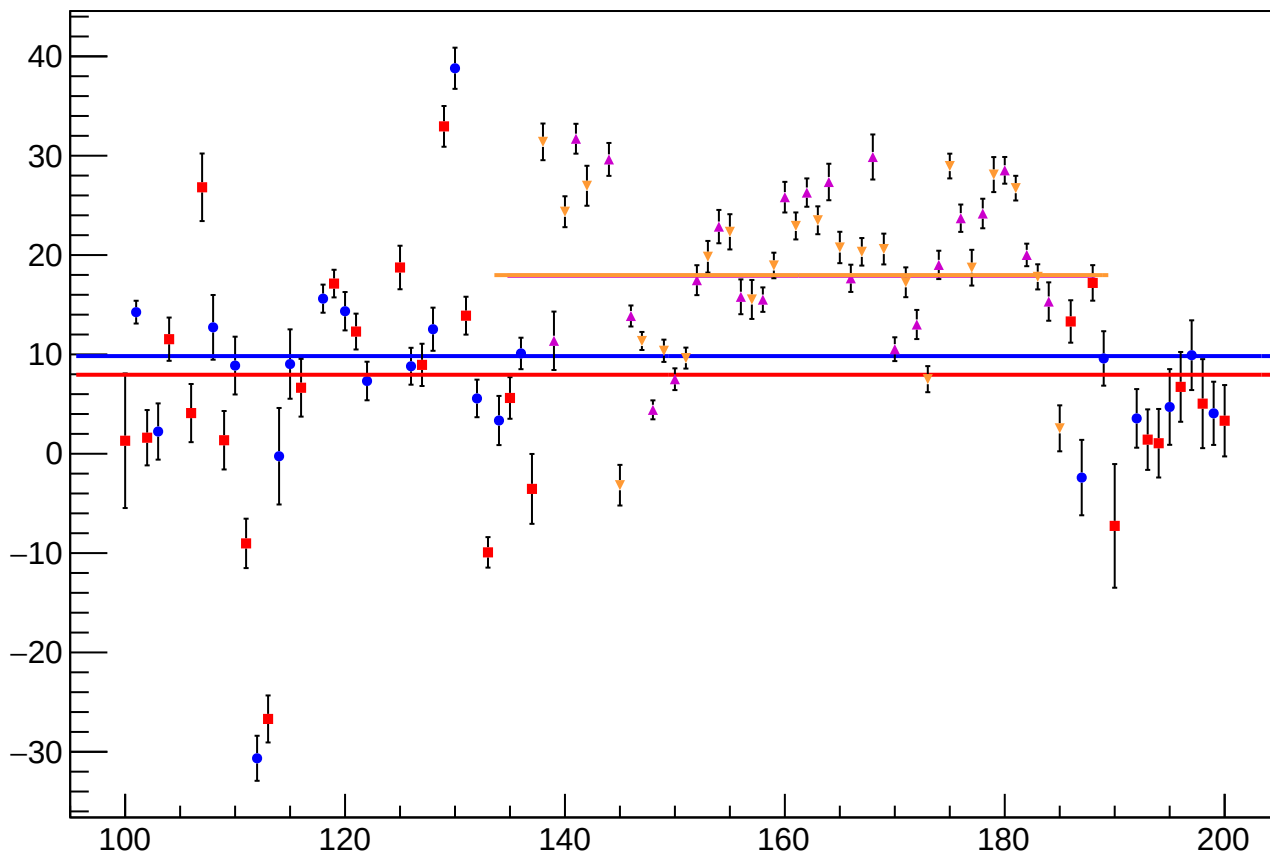
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 69.089 $\pm$ 0.283 χ^2 /NDF: 9128.8/45

All: 71.113 $\pm$ 0.192 χ^2 /NDF: 20896.3/94

- sign 72.834 $\pm$ 0.261 χ^2 /NDF: 11672.7/48

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 9.831 ± 0.467 χ^2/NDF : 599.5/21

Left Out: 17.980 ± 0.291 χ^2/NDF : 674.4/23

Right Out: 7.951 ± 0.466 χ^2/NDF : 737.2/25

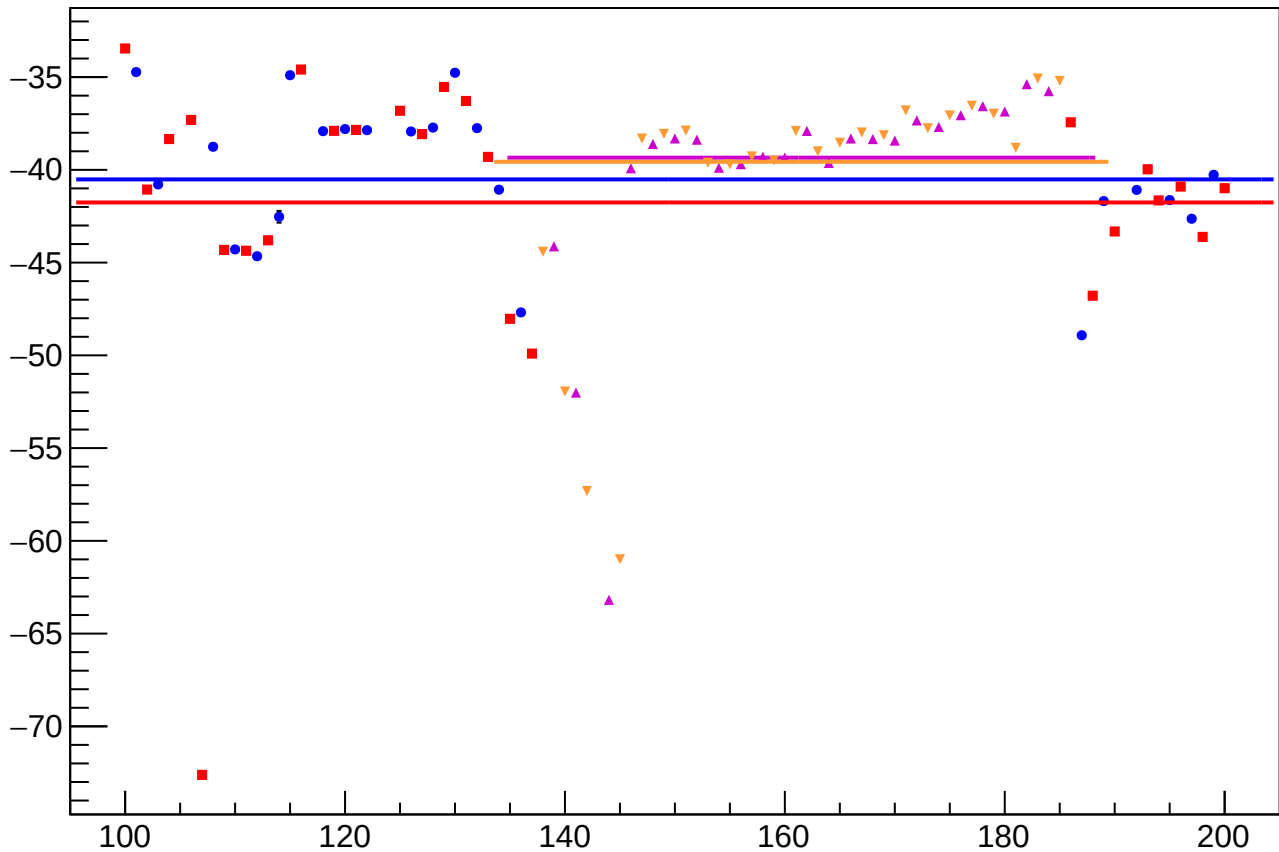
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 15.699 ± 0.247 χ^2/NDF : 1493.6/45

All: 15.403 ± 0.175 χ^2/NDF : 3287.9/94

- sign 15.105 ± 0.248 χ^2/NDF : 1791.4/48

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.515 ± 0.024 χ^2/NDF : 27331.0/21

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.758 ± 0.023 χ^2/NDF : 66232.5/25

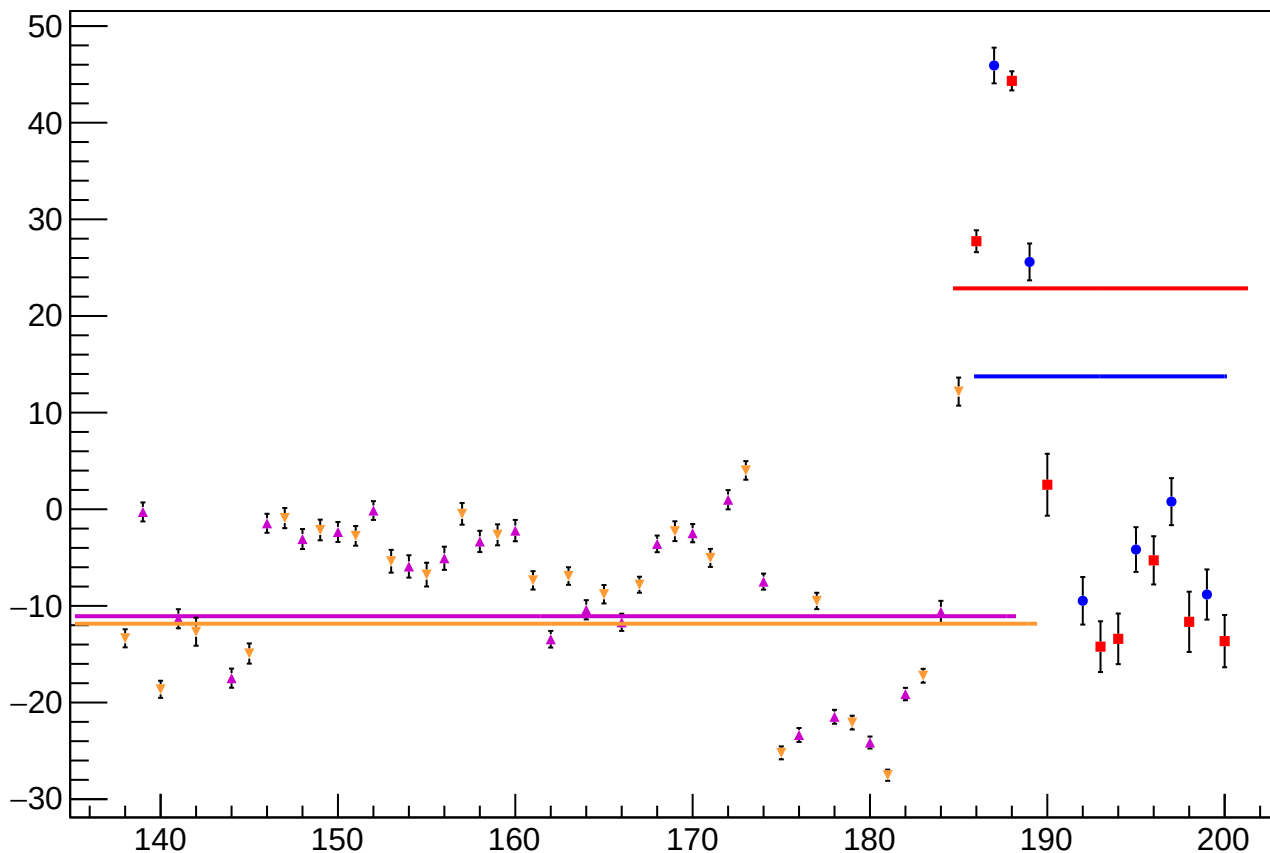
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.797 ± 0.012 χ^2/NDF : 169689.5/45

All: -39.880 ± 0.008 χ^2/NDF : 360682.6/94

- sign -39.960 ± 0.012 χ^2/NDF : 190897.7/48

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 13.750 ± 0.899 χ^2/NDF : 595.5/5

Left Out: -11.842 ± 0.187 χ^2/NDF : 2739.8/23

Right Out: 22.858 ± 0.622 χ^2/NDF : 1351.7/7

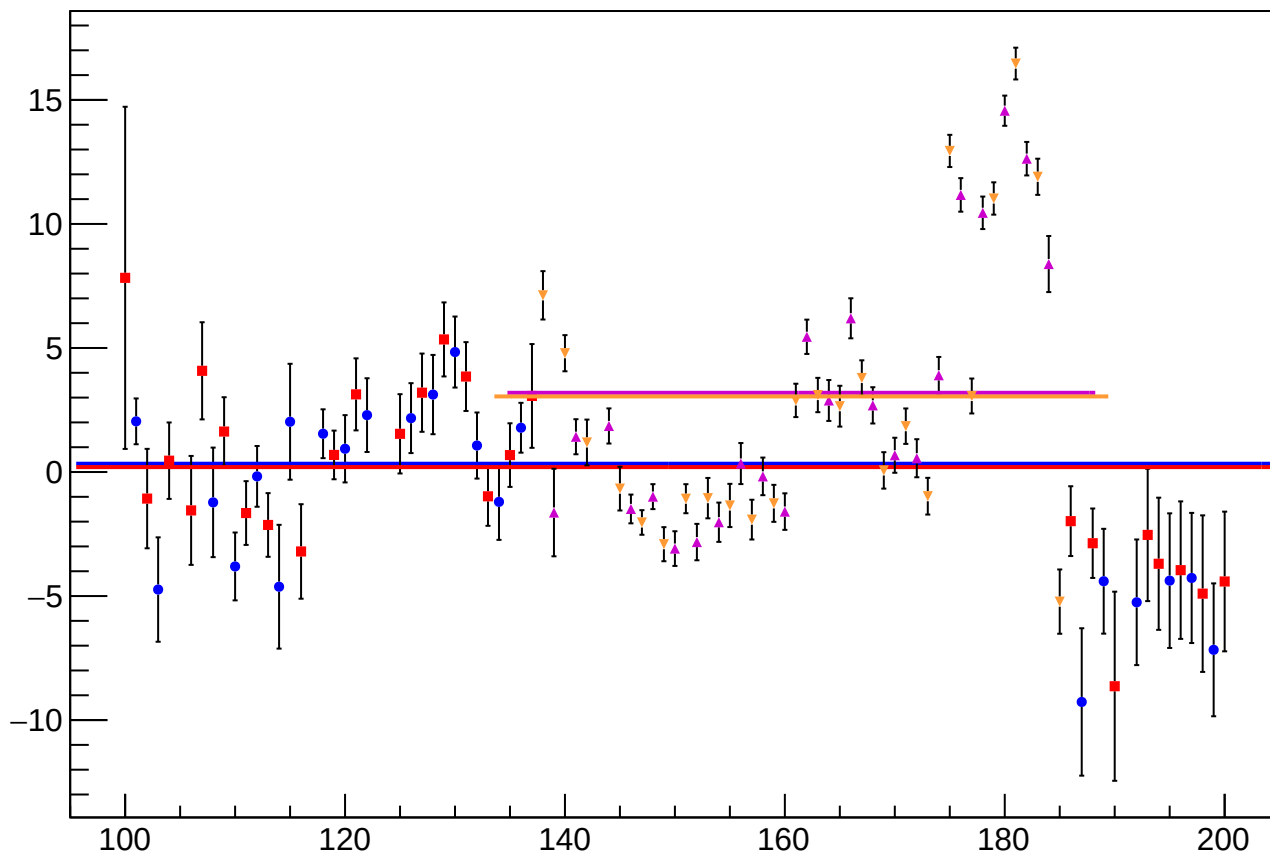
Left In: -11.067 ± 0.188 χ^2/NDF : 2104.8/22

+ sign -10.782 ± 0.183 χ^2/NDF : 4112.6/29

All: -9.484 ± 0.128 χ^2/NDF : 10394.2/60

- sign -8.228 ± 0.180 χ^2/NDF : 6182.5/30

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.334 ± 0.325 χ^2/NDF : 79.3/21

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: 0.198 ± 0.321 χ^2/NDF : 69.6/25

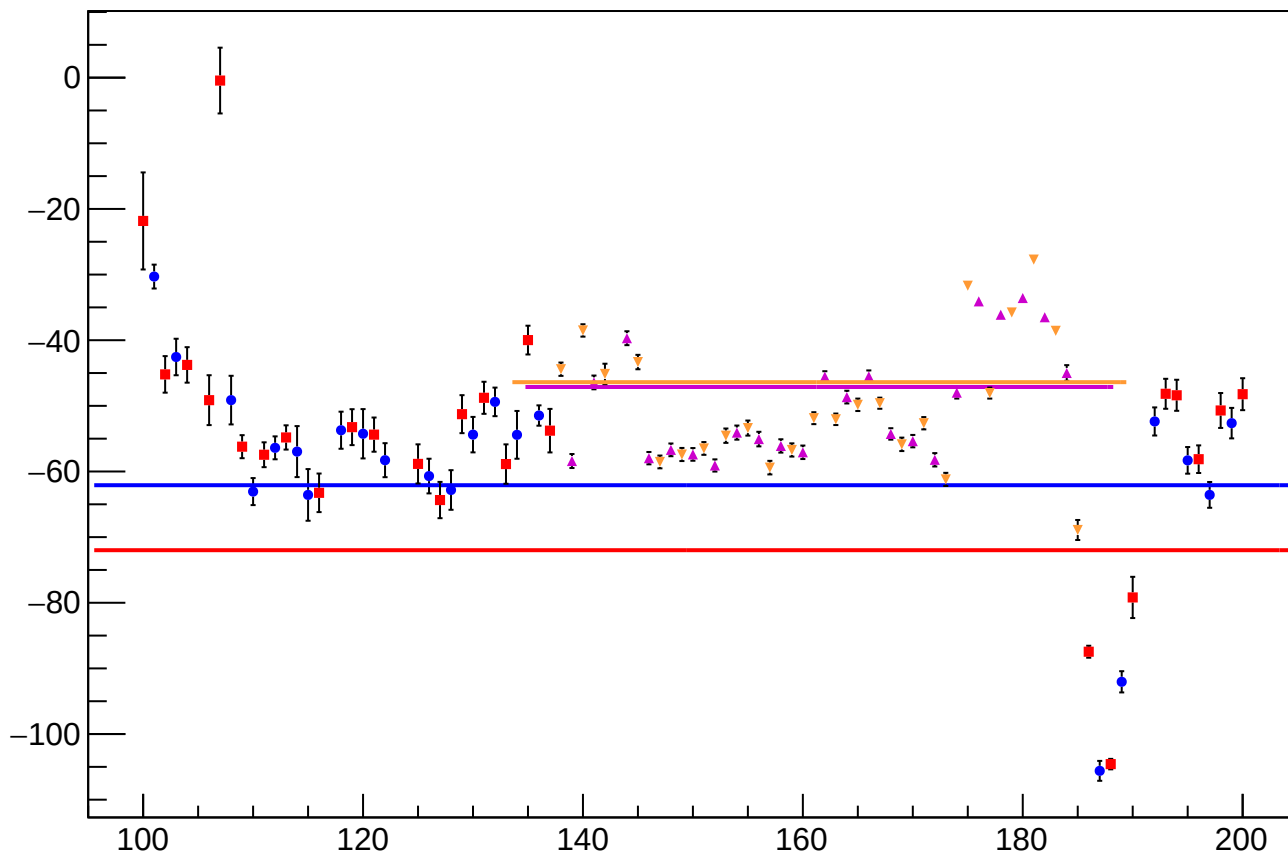
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.582 ± 0.135 χ^2/NDF : 1594.2/45

All: 2.619 ± 0.096 χ^2/NDF : 3030.5/94

- sign 2.657 ± 0.136 χ^2/NDF : 1436.2/48

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -62.091 ± 0.479 χ^2/NDF : 1697.5/21

Left Out: -46.392 ± 0.187 χ^2/NDF : 3286.7/23

Right Out: -71.992 ± 0.395 χ^2/NDF : 3620.3/25

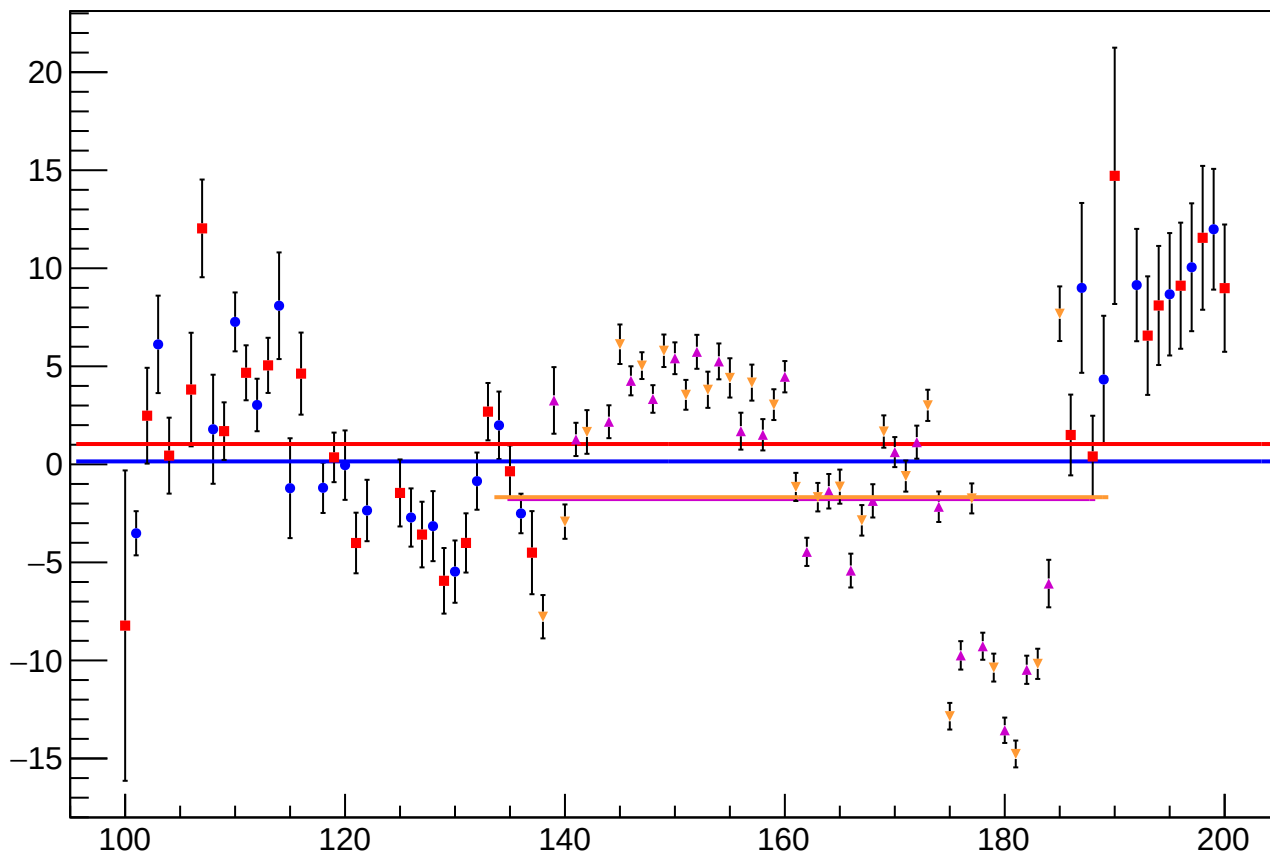
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -48.461 ± 0.174 χ^2/NDF : 5917.4/45

All: -50.119 ± 0.121 χ^2/NDF : 15467.5/94

- sign -51.689 ± 0.169 χ^2/NDF : 9373.0/48

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 0.151 ± 0.372 χ^2/NDF : 131.6/21

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 1.037 ± 0.372 χ^2/NDF : 132.5/25

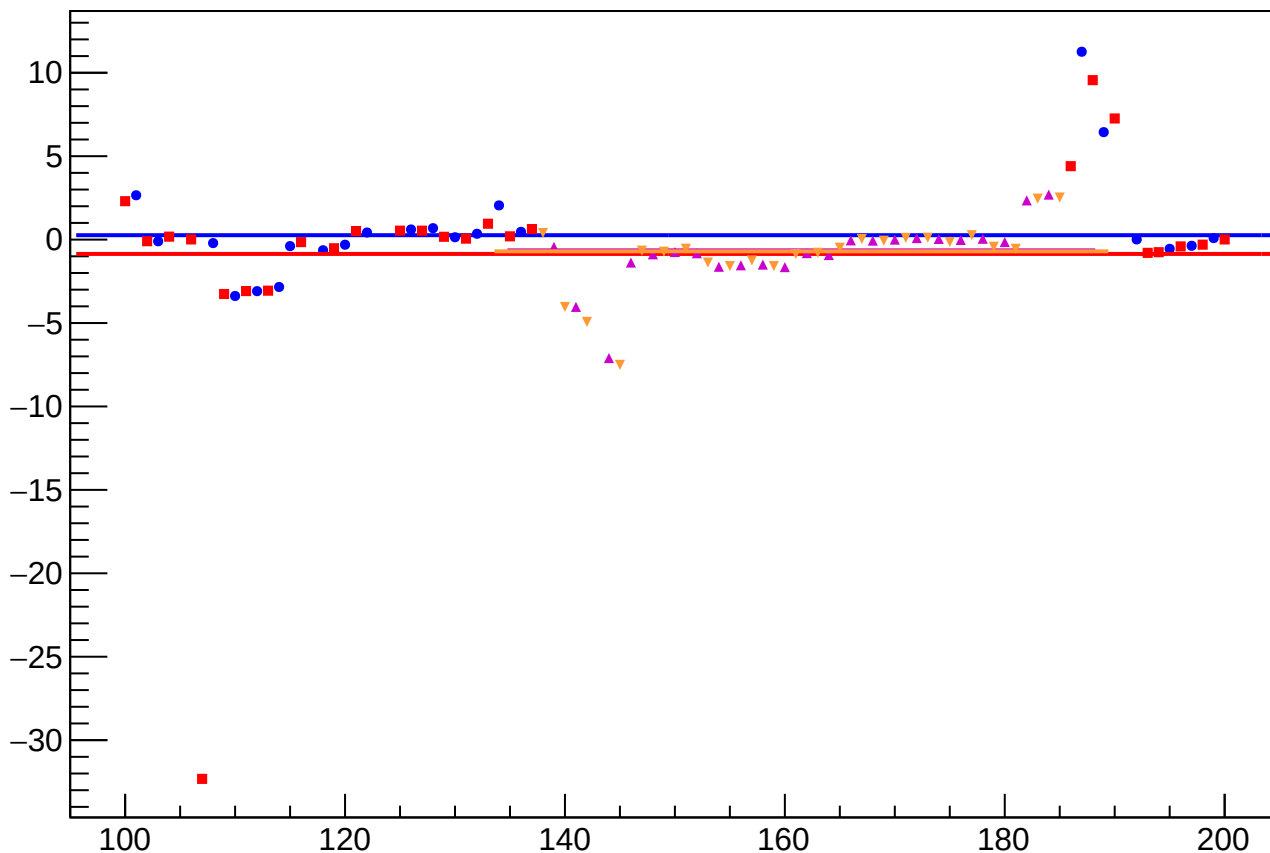
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.369 ± 0.152 χ^2/NDF : 1635.4/45

All: -1.330 ± 0.108 χ^2/NDF : 3066.5/94

- sign -1.291 ± 0.154 χ^2/NDF : 1430.9/48

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.265 ± 0.019 χ^2/NDF : 9231.8/21

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.858 ± 0.019 χ^2/NDF : 92388.3/25

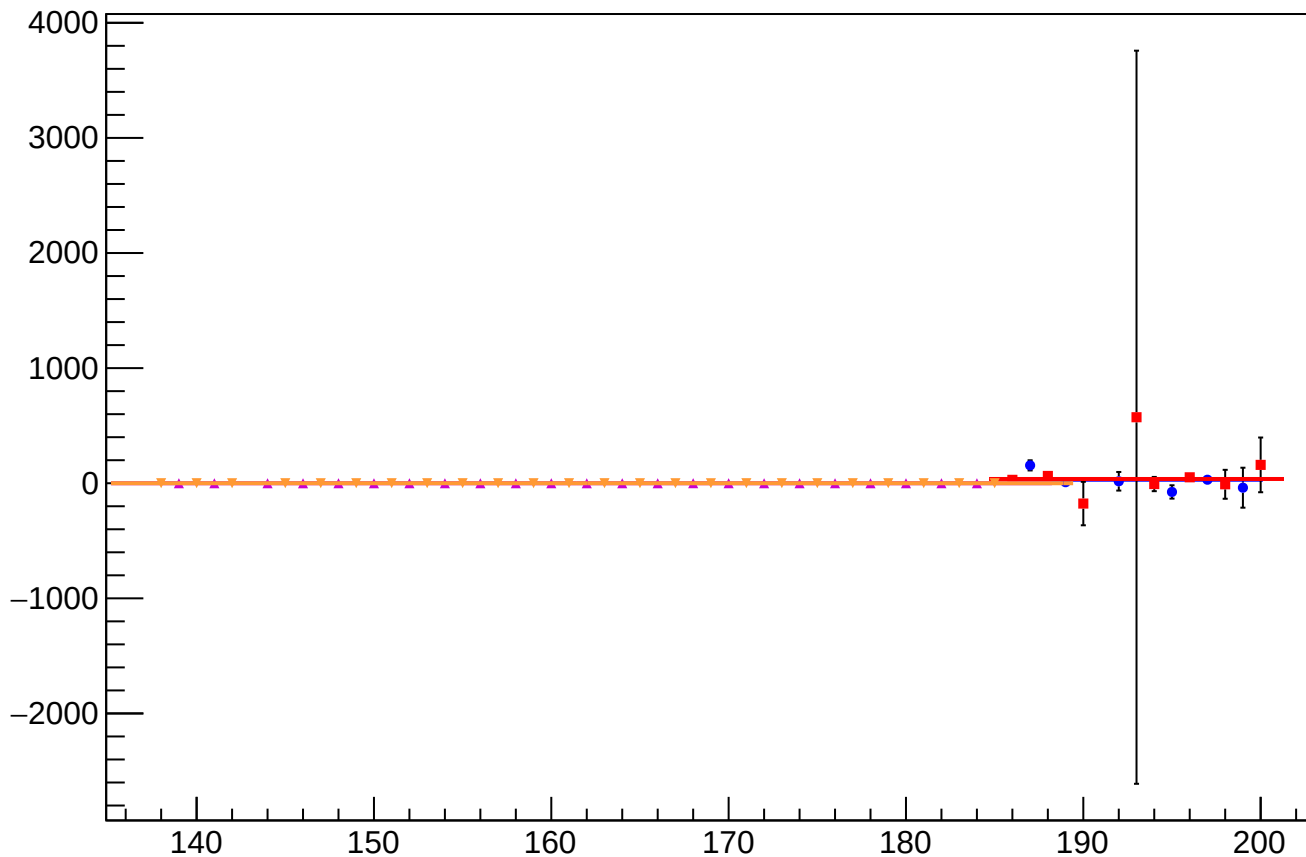
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.572 ± 0.007 χ^2/NDF : 65215.3/45

All: -0.623 ± 0.005 χ^2/NDF : 201986.5/94

- sign -0.674 ± 0.007 χ^2/NDF : 136667.6/48

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 30.644+/-18.822 χ^2/NDF : 12.1/5

Left Out: -0.037+/-0.018 χ^2/NDF : 35.4/23

Right Out: 36.946+/-9.970 χ^2/NDF : 4.3/7

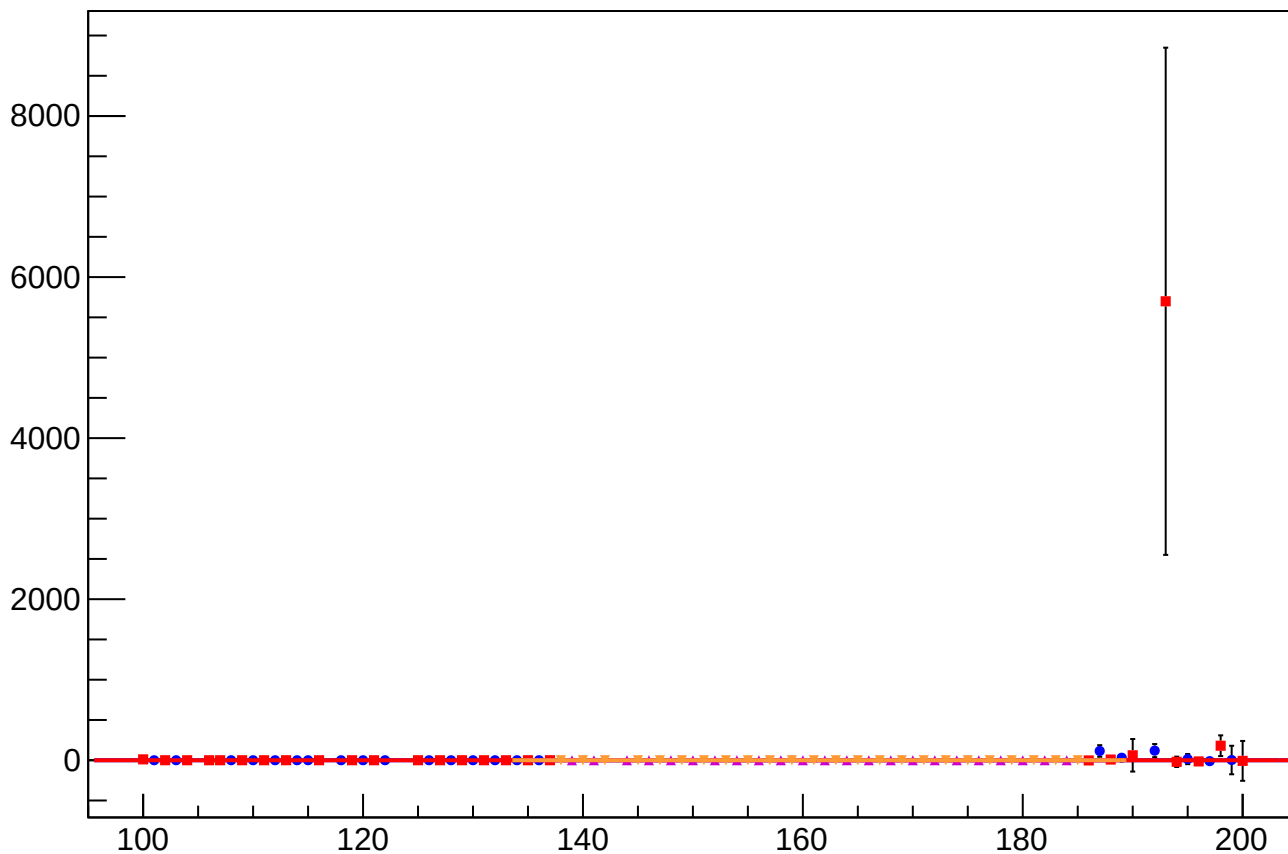
Left In: -0.010+/-0.018 χ^2/NDF : 35.1/22

+ sign -0.037+/-0.018 χ^2/NDF : 50.2/29

All: -0.024+/-0.013 χ^2/NDF : 104.5/60

- 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 : 17.8/21

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 18.5/25

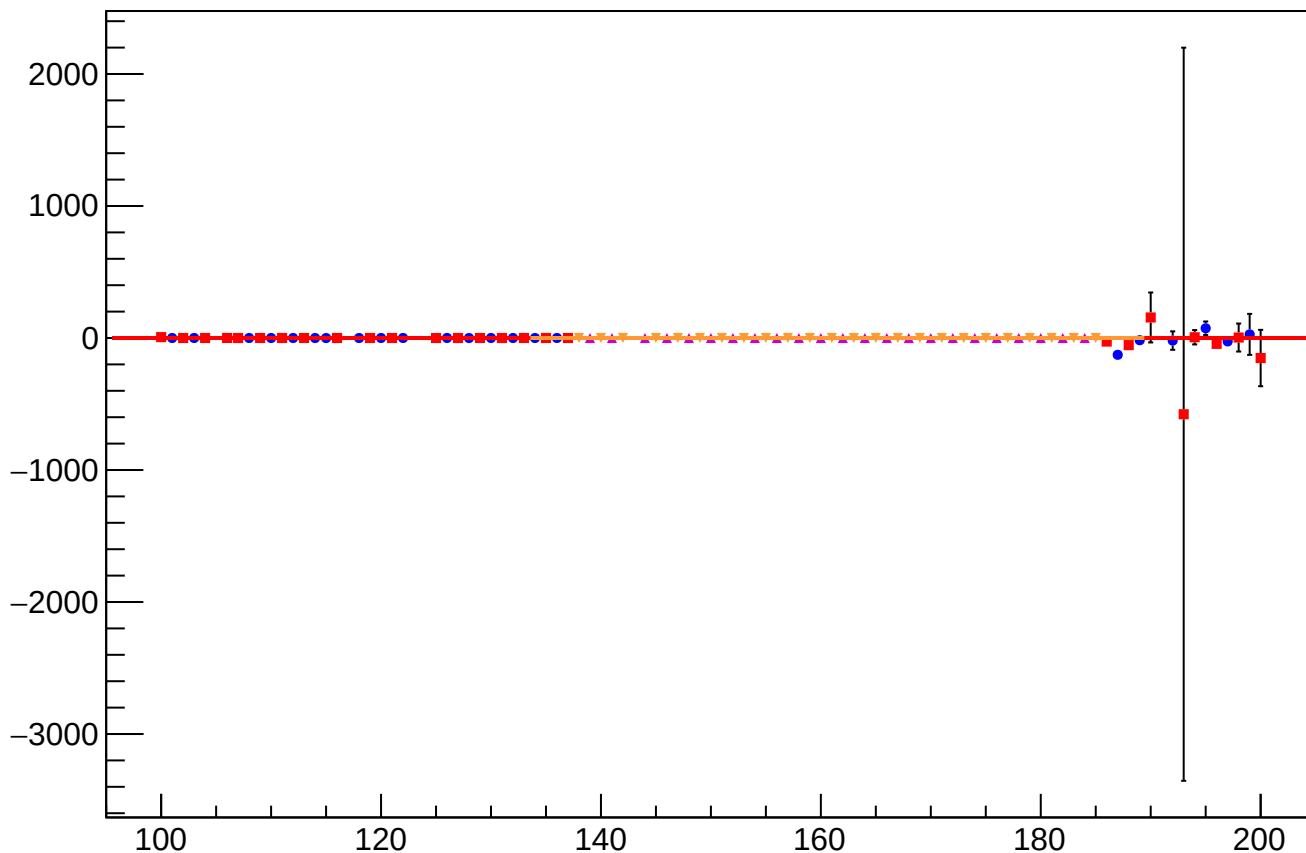
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 50.3/45

All: -0.063 ± 0.009 χ^2/NDF : 111.1/94

- 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: 24.7/21

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

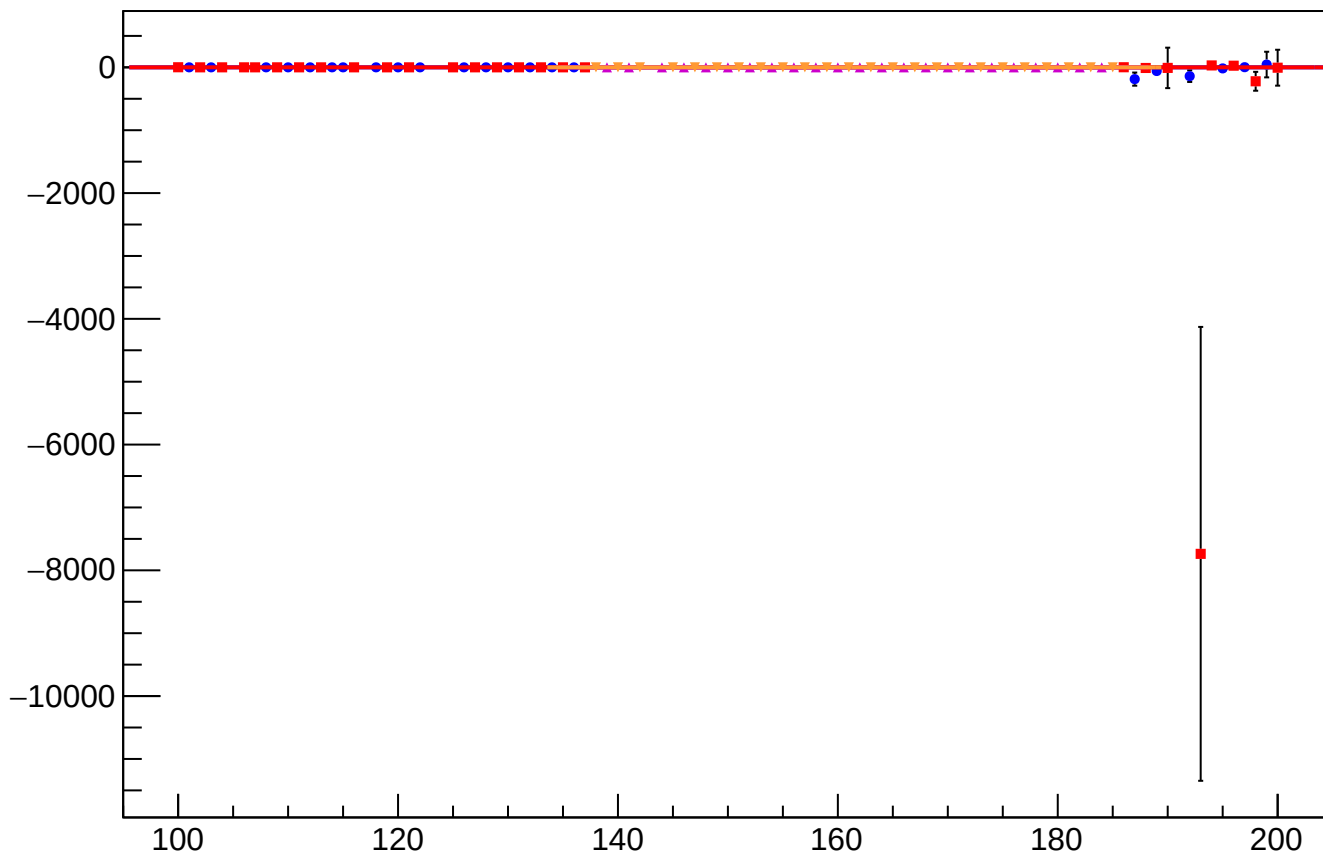
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 57.1/45

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 126.7/94

- 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 : 18.6/21

Left Out: 0.086 ± 0.016 χ^2/NDF : 27.7/23

Right Out: 0.105 ± 0.029 χ^2/NDF : 15.3/25

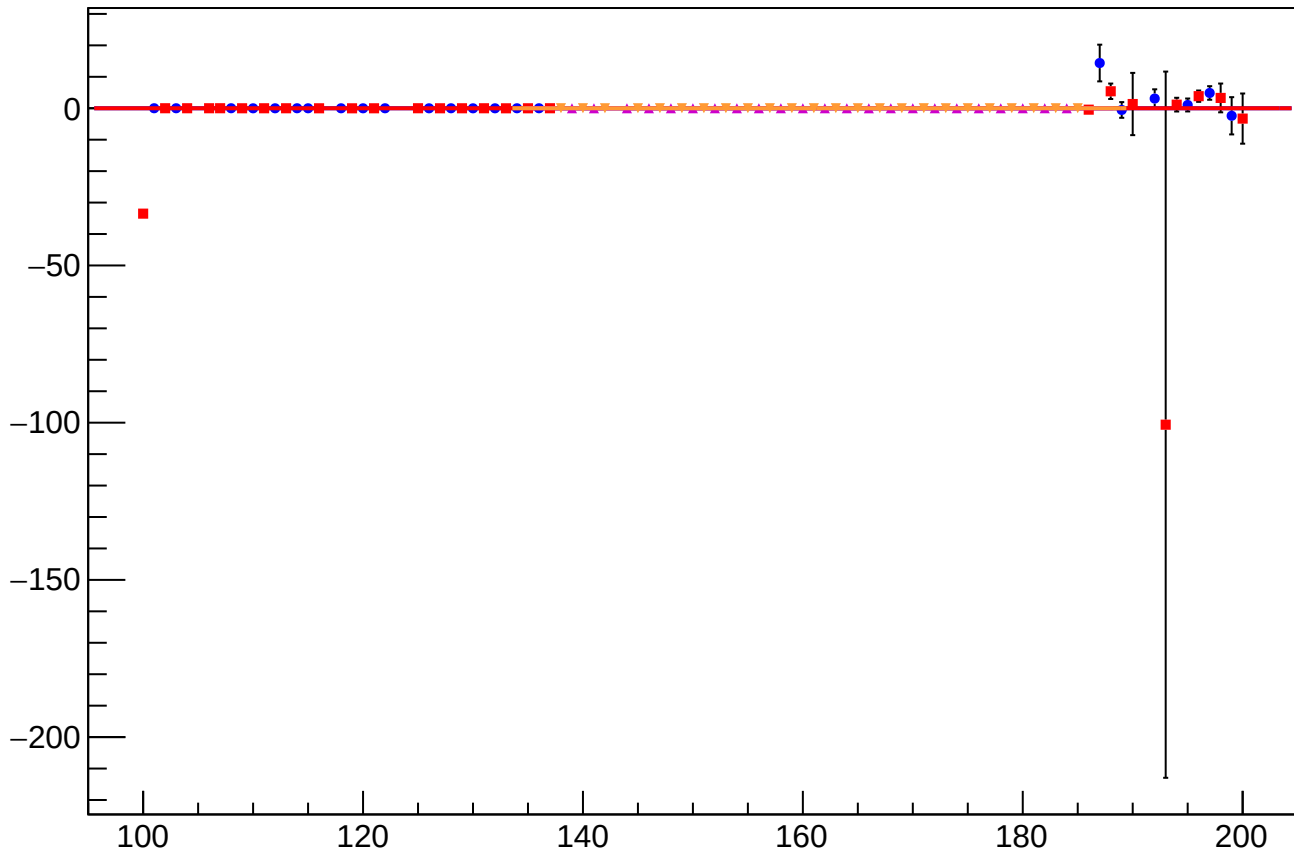
Left In: 0.070 ± 0.016 χ^2/NDF : 44.8/22

+ sign 0.066 ± 0.014 χ^2/NDF : 52.4/45

All: 0.072 ± 0.010 χ^2/NDF : 114.1/94

- 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 : 34.2/21

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26520.2/25

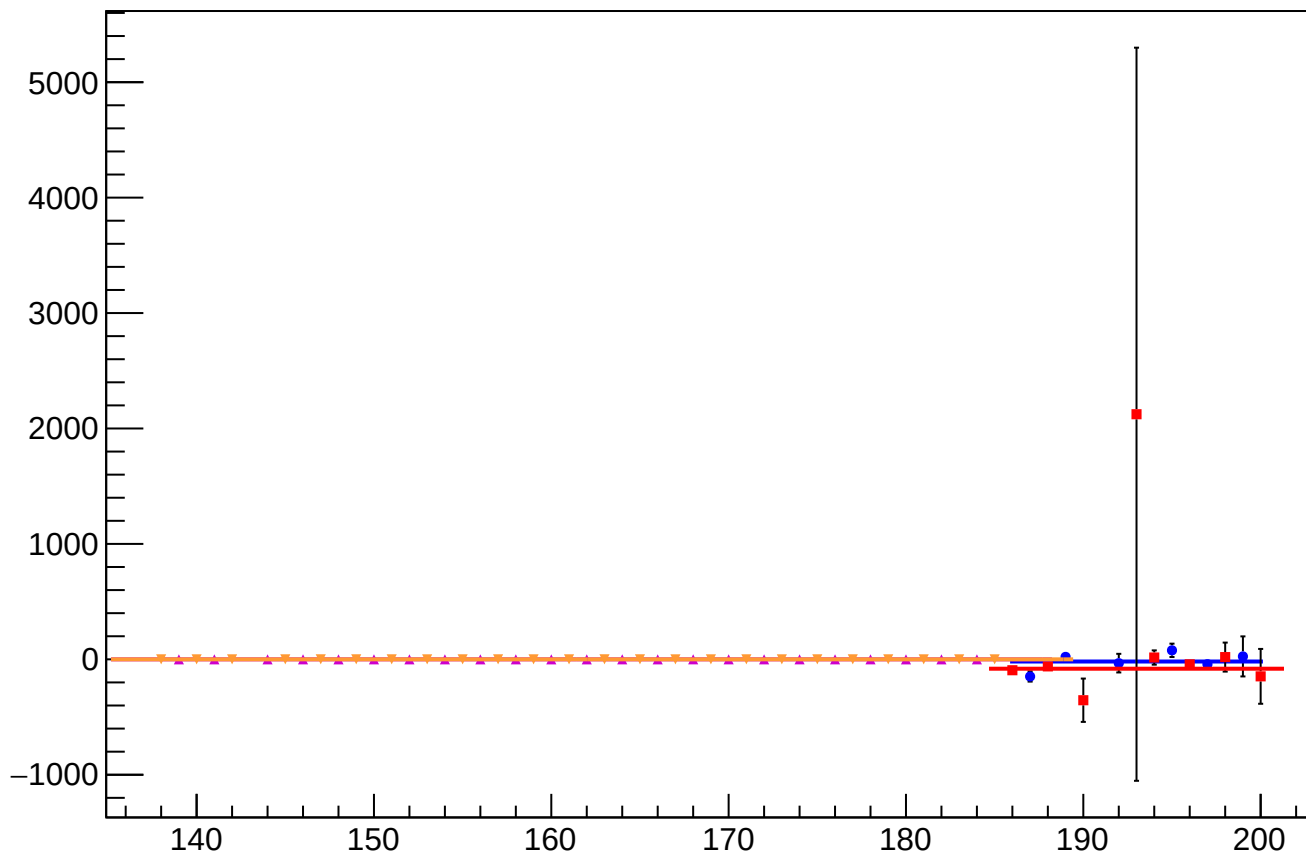
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 70.6/45

All: -0.001 ± 0.000 χ^2/NDF : 26627.2/94

- sign -0.001 ± 0.001 χ^2/NDF : 26556.4/48

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -18.805 ± 18.812 χ^2/NDF : 13.9/5

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -81.254 ± 9.973 χ^2/NDF : 8.7/7

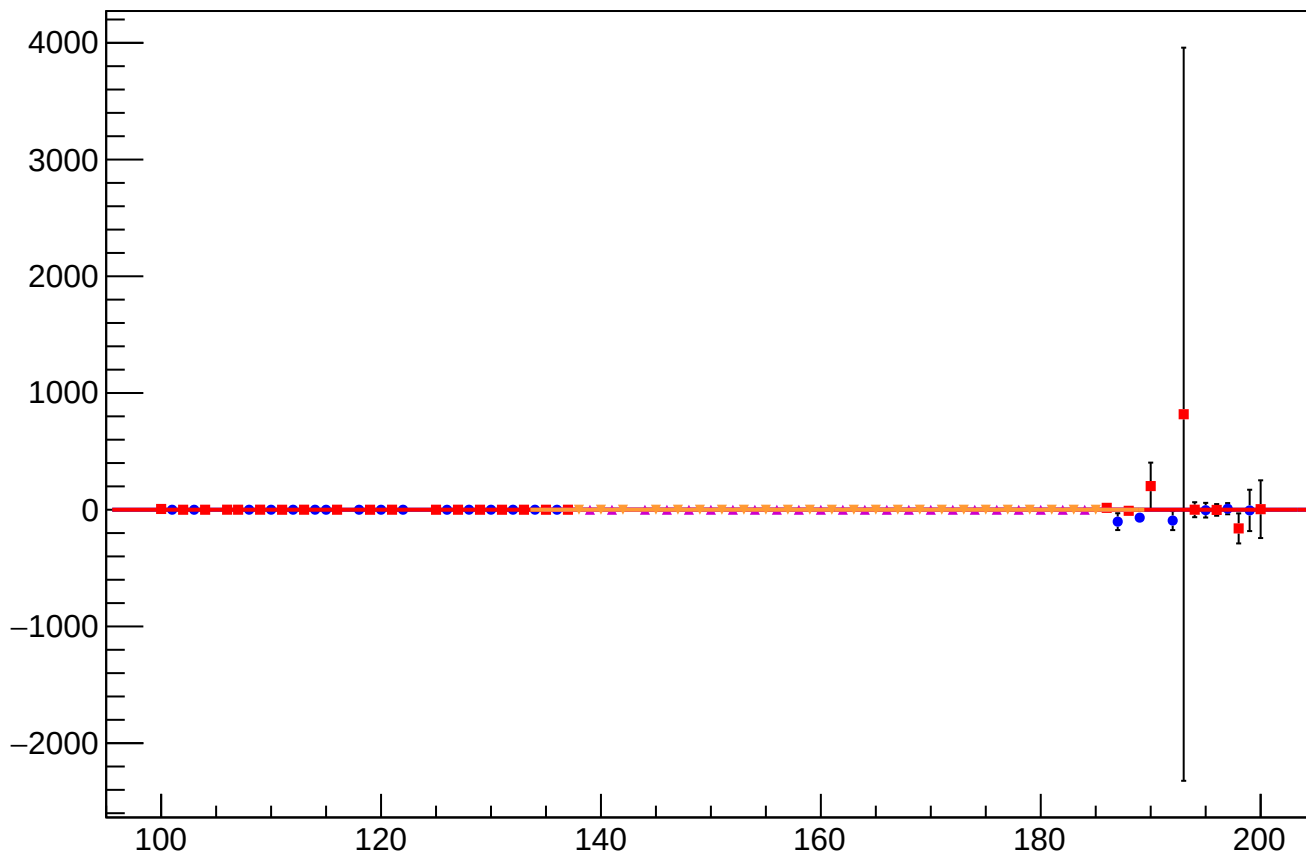
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 52.2/29

All: -0.031 ± 0.013 χ^2/NDF : 165.2/60

- sign -0.009 ± 0.018 χ^2/NDF : 110.2/30

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 $\pm$ 0.023 χ^2/NDF : 33.0/21

Left Out: -0.011 $\pm$ 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 $\pm$ 0.025 χ^2/NDF : 32.6/25

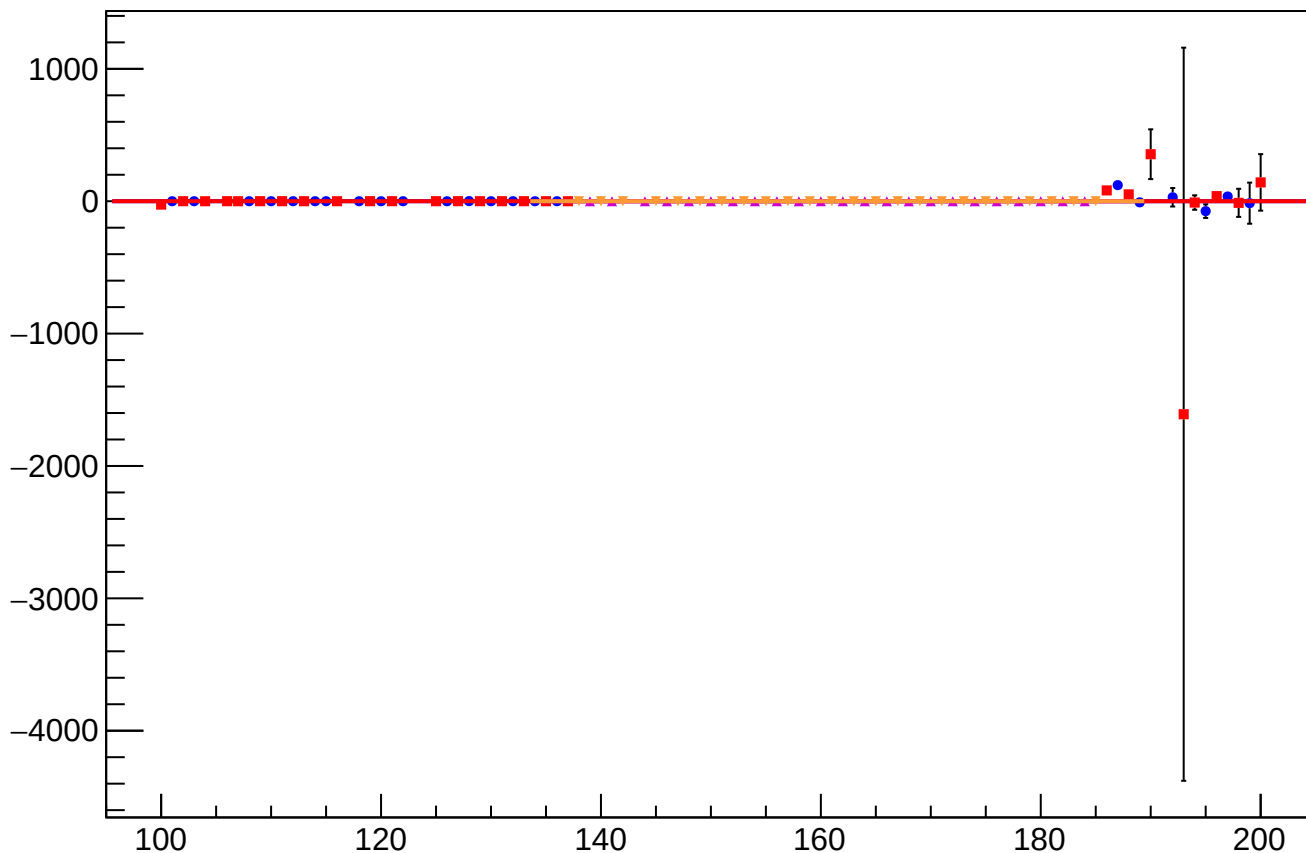
Left In: 0.005 $\pm$ 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 $\pm$ 0.012 χ^2/NDF : 63.1/45

All: 0.003 $\pm$ 0.009 χ^2/NDF : 147.6/94

- sign 0.013 $\pm$ 0.012 χ^2/NDF : 83.4/48

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 ± 0.043 χ^2/NDF : 44.5/21

Left Out: 0.048 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 0.197 ± 0.045 χ^2/NDF : 107.5/25

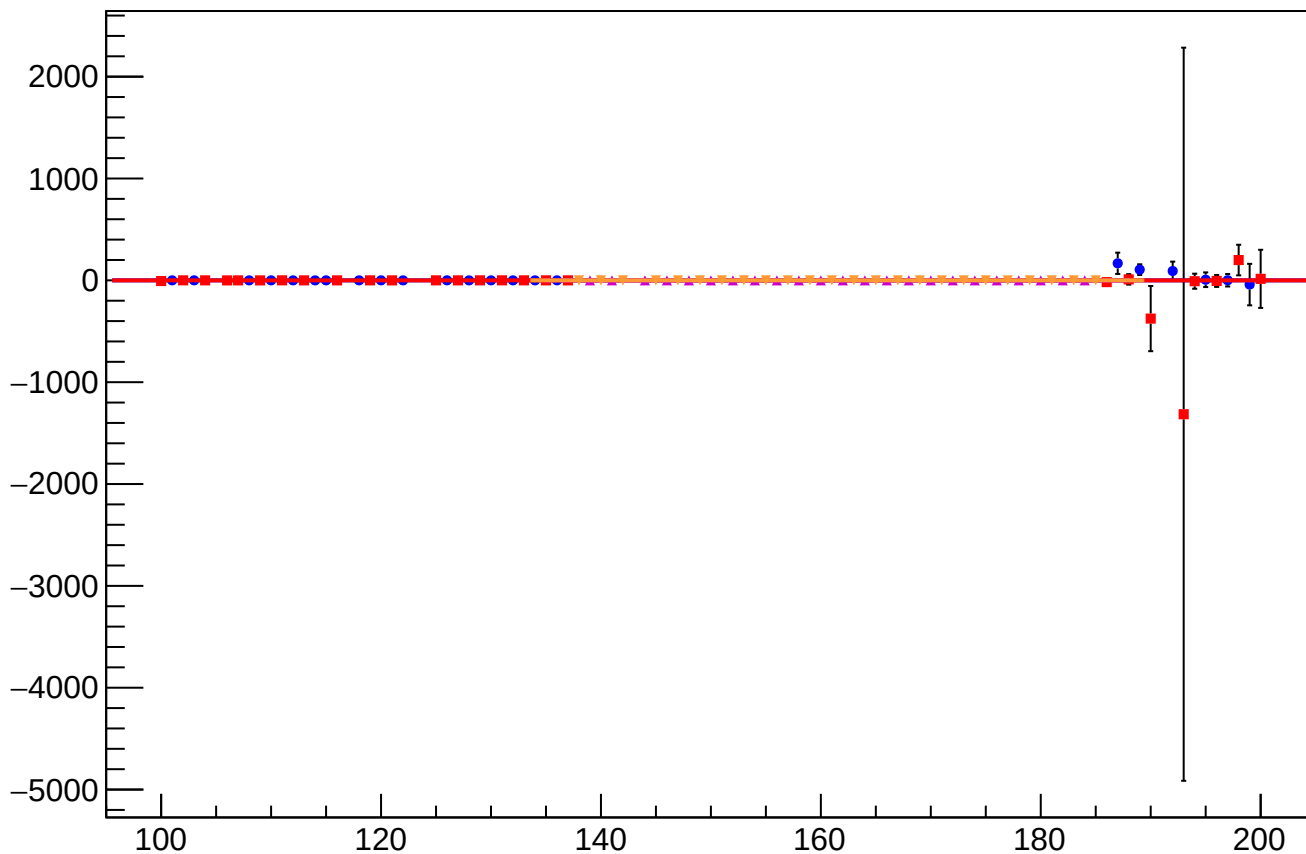
Left In: 0.020 ± 0.018 χ^2/NDF : 35.8/22

+ sign 0.064 ± 0.017 χ^2/NDF : 85.4/45

All: 0.054 ± 0.012 χ^2/NDF : 242.8/94

- sign 0.044 ± 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 : 32.3/21

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 30.2/25

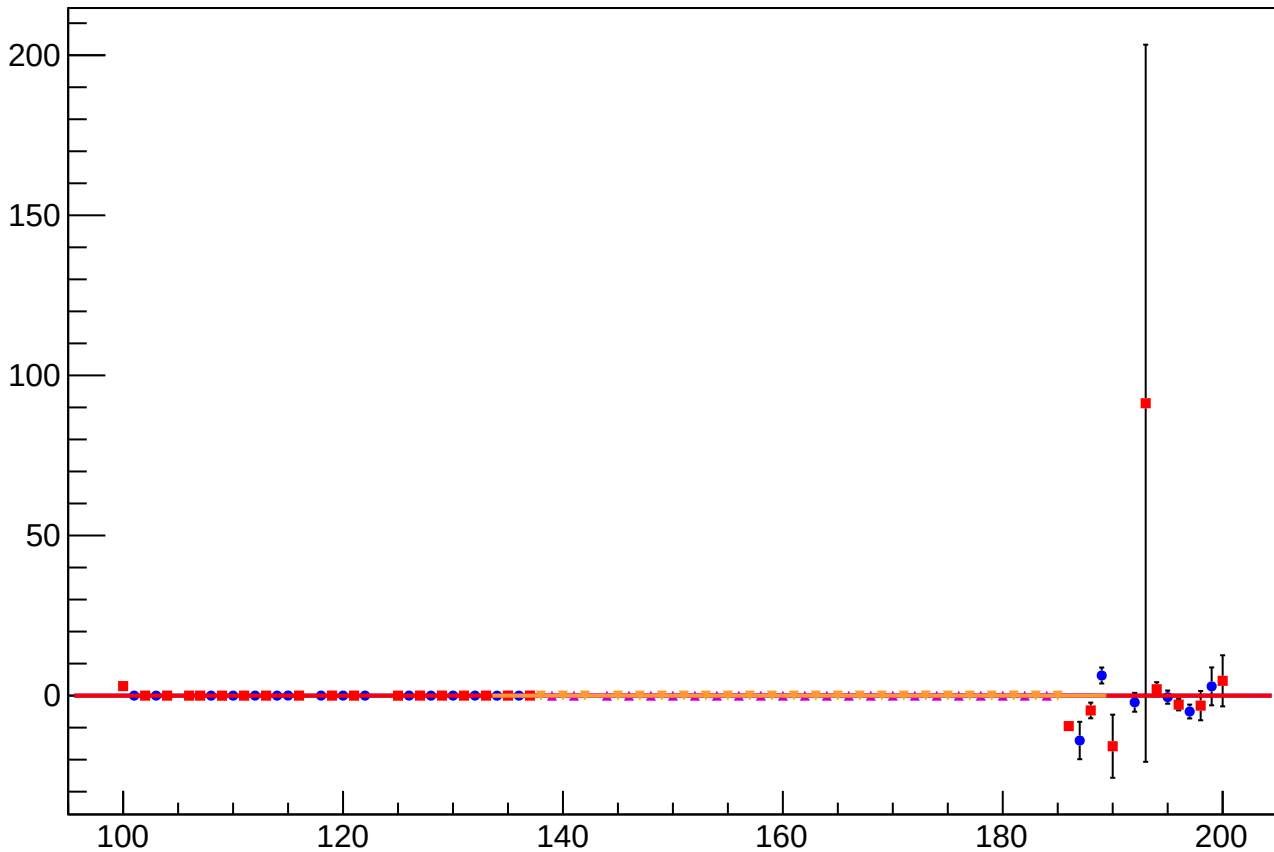
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 66.6/45

All: 0.004 ± 0.010 χ^2/NDF : 150.5/94

- 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 : 45.6/21

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 213.7/25

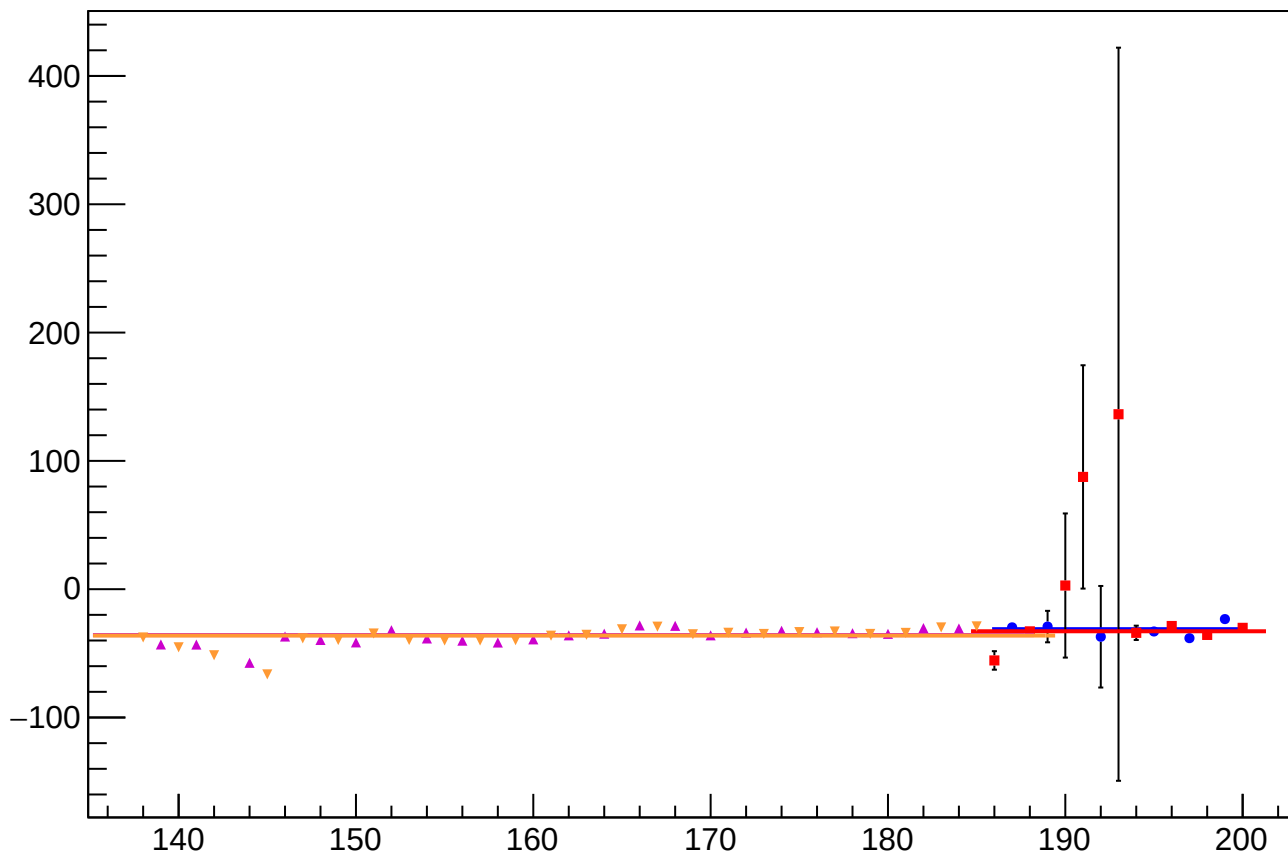
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 79.3/45

All: -0.008 ± 0.000 χ^2/NDF : 333.4/94

- sign -0.008 ± 0.001 χ^2/NDF : 253.9/48

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.156 ± 1.228 $\chi^2/\text{NDF}: 14.0/5$

Left Out: -36.120 ± 0.192 $\chi^2/\text{NDF}: 1114.9/23$

Right Out: -32.795 ± 0.963 $\chi^2/\text{NDF}: 16.1/8$

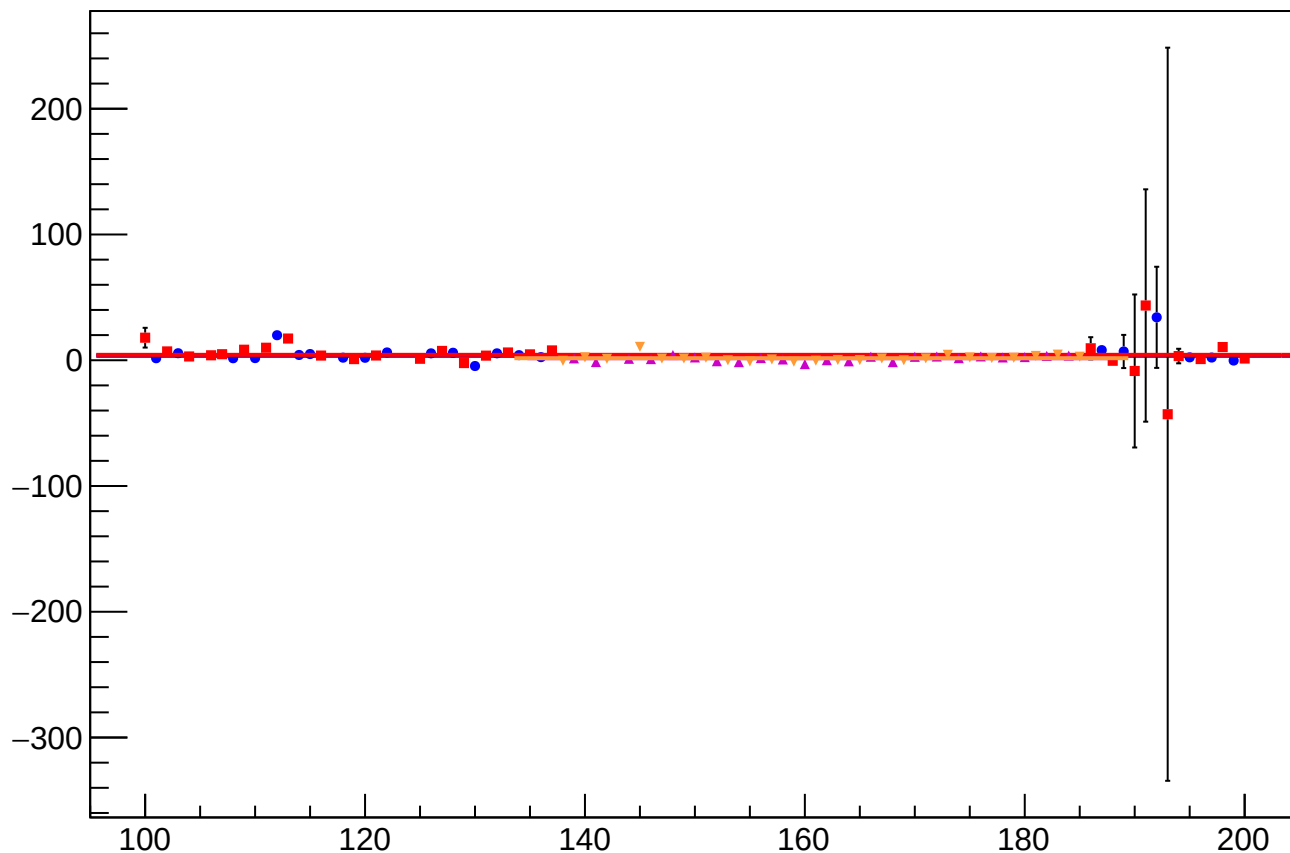
Left In: -35.779 ± 0.191 $\chi^2/\text{NDF}: 854.1/22$

+ sign -36.002 ± 0.190 $\chi^2/\text{NDF}: 1144.8/29$

All: -35.832 ± 0.133 $\chi^2/\text{NDF}: 2025.8/61$

- sign -35.666 ± 0.188 $\chi^2/\text{NDF}: 879.4/31$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.546 $\pm$ 0.218 χ^2 /NDF: 444.5/21

Left Out: 1.634 $\pm$ 0.148 χ^2 /NDF: 166.5/23

Right Out: 4.308 $\pm$ 0.222 χ^2 /NDF: 365.4/26

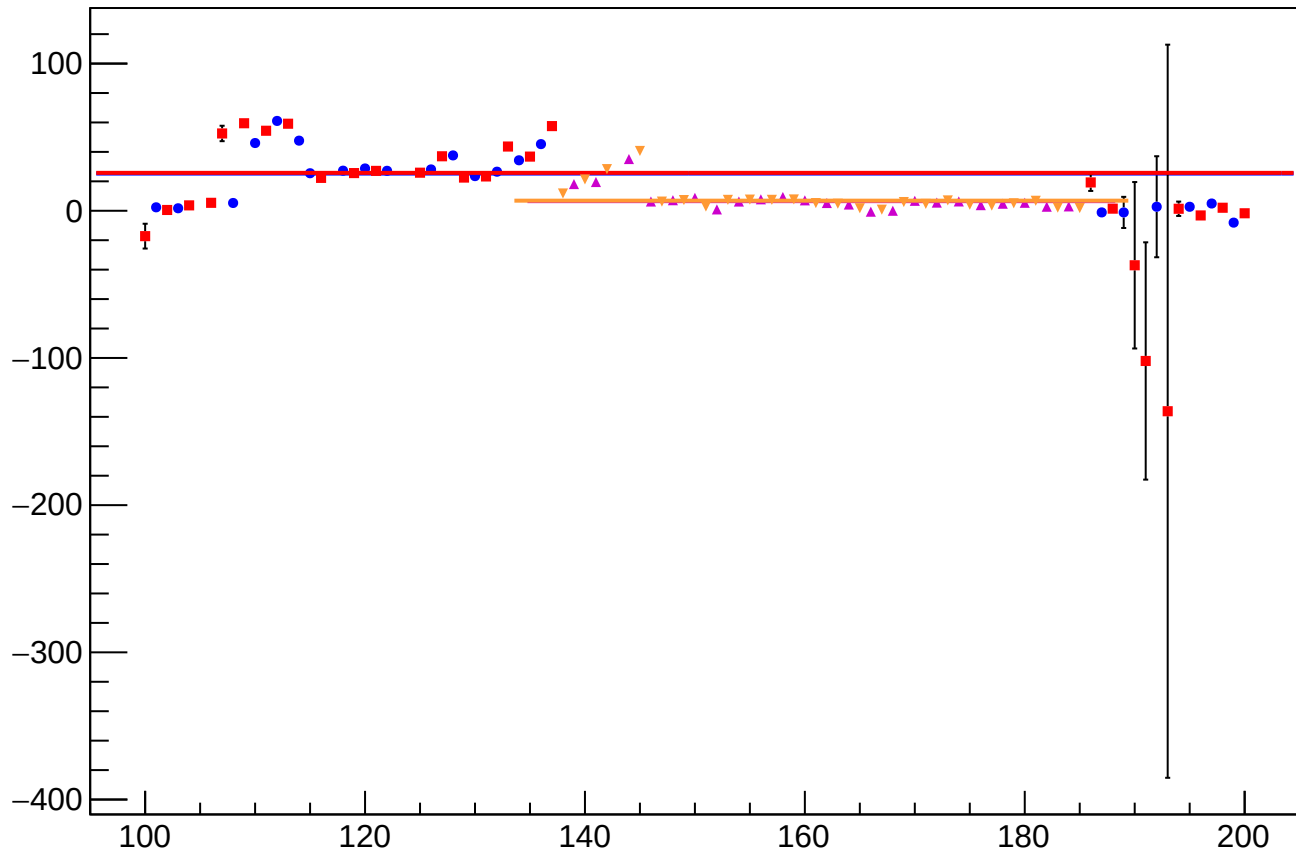
Left In: 1.641 $\pm$ 0.150 χ^2 /NDF: 163.2/22

+ sign 2.235 $\pm$ 0.122 χ^2 /NDF: 663.6/45

All: 2.353 $\pm$ 0.087 χ^2 /NDF: 1293.5/95

- sign 2.474 $\pm$ 0.124 χ^2 /NDF: 628.0/49

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 25.287 ± 0.389 χ^2/NDF : 2206.2/21

Left Out: 6.866 ± 0.191 χ^2/NDF : 1295.7/23

Right Out: 25.757 ± 0.374 χ^2/NDF : 2920.5/26

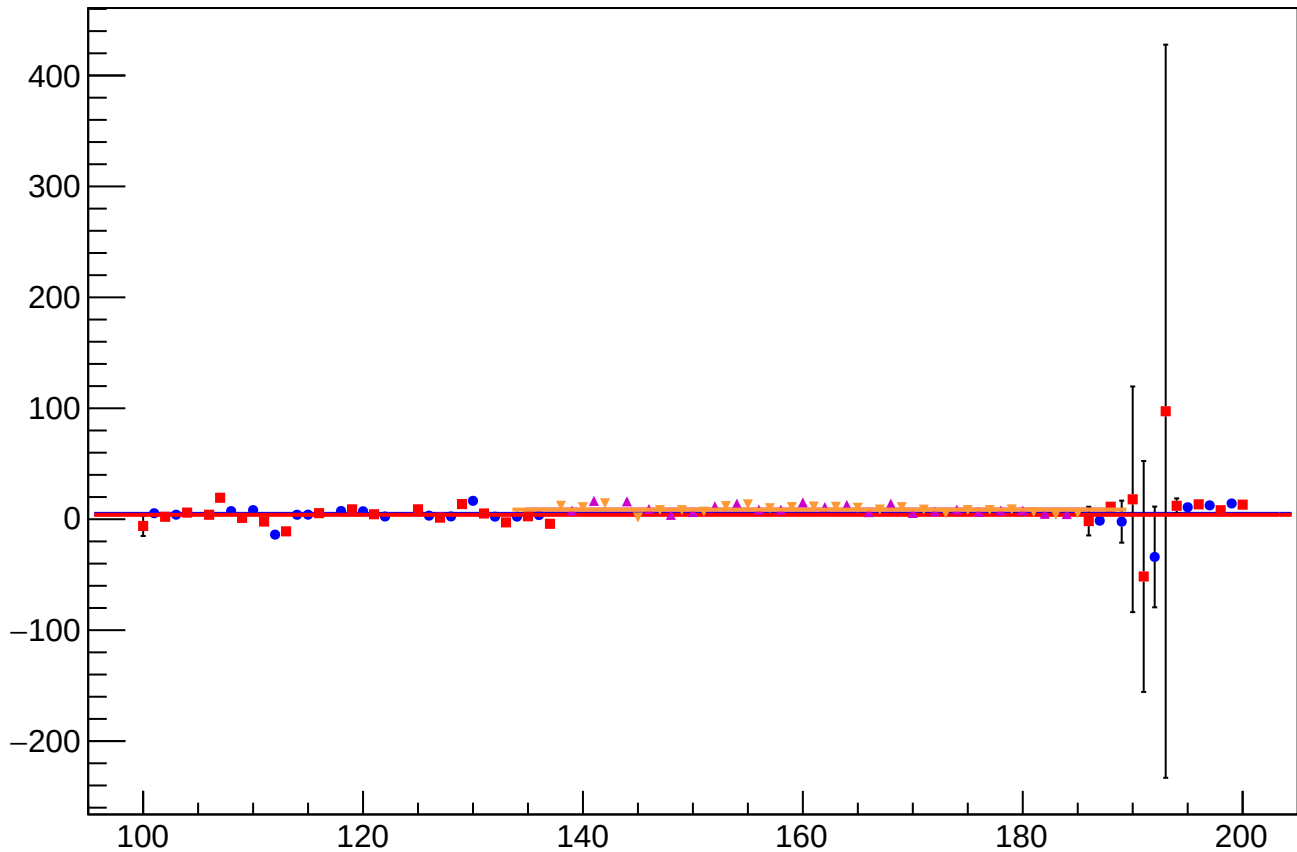
Left In: 6.537 ± 0.190 χ^2/NDF : 1025.1/22

+ sign 10.453 ± 0.172 χ^2/NDF : 5306.0/45

All: 10.475 ± 0.121 χ^2/NDF : 11352.0/95

- sign 10.497 ± 0.170 χ^2/NDF : 6045.9/49

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.837 ± 0.252 χ^2/NDF : 562.8/21

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.965 ± 0.256 χ^2/NDF : 587.1/26

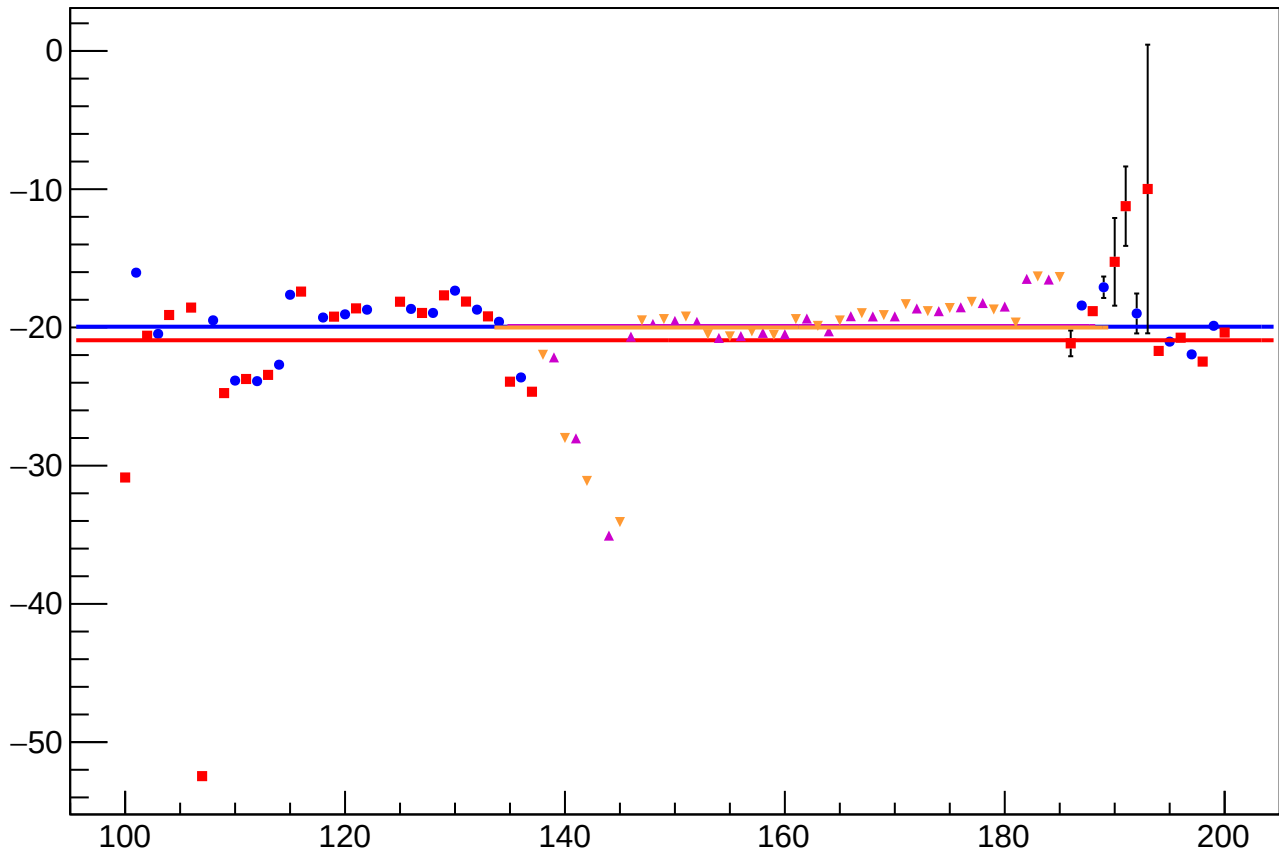
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.500 ± 0.140 χ^2/NDF : 965.2/45

All: 7.364 ± 0.100 χ^2/NDF : 2225.1/95

- sign 7.226 ± 0.142 χ^2/NDF : 1258.0/49

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.947 ± 0.015 χ^2/NDF : 26443.6/21

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.928 ± 0.015 χ^2/NDF : 94437.3/26

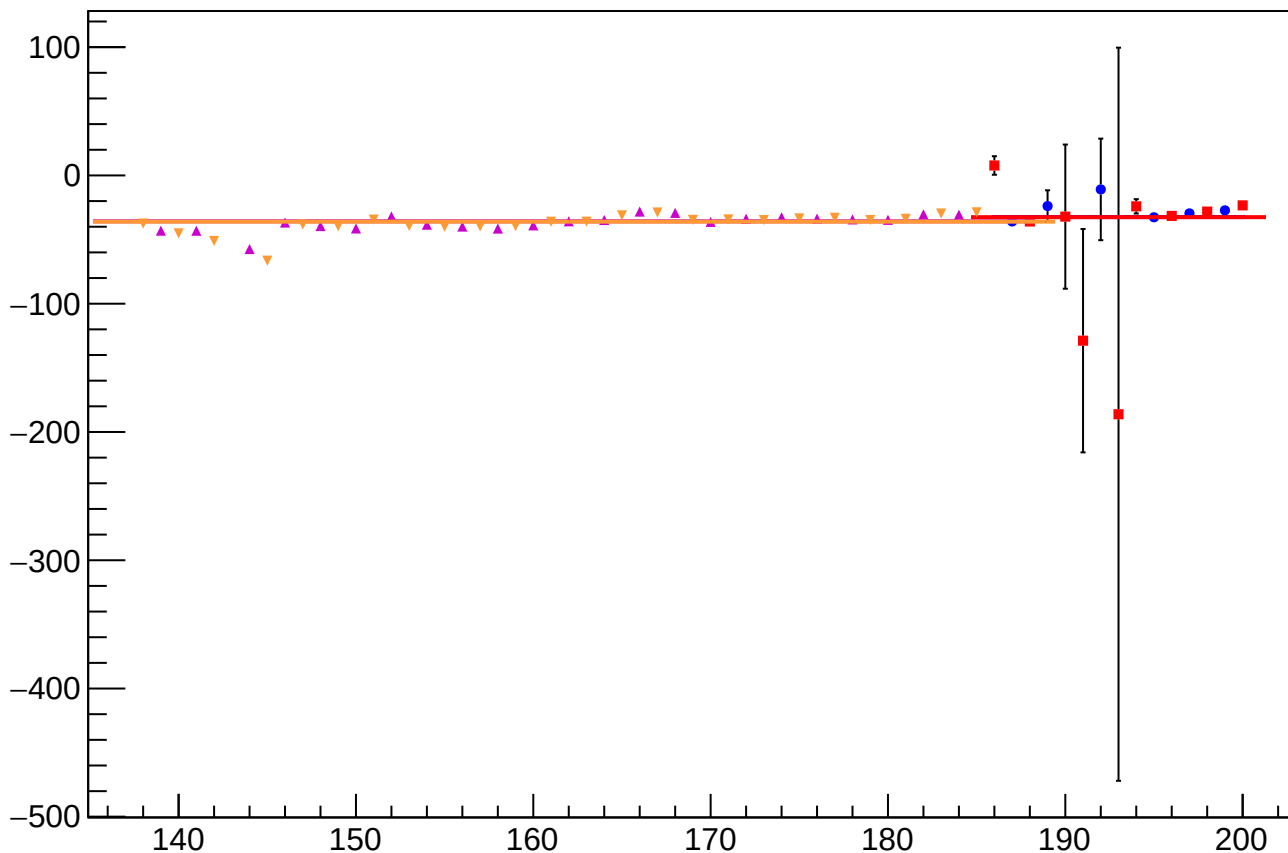
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.993 ± 0.007 χ^2/NDF : 198219.0/45

All: -20.054 ± 0.005 χ^2/NDF : 440635.7/95

- sign -20.115 ± 0.007 χ^2/NDF : 242264.9/49

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.472 ± 1.232 χ^2/NDF : 8.0/5

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -32.536 ± 0.966 χ^2/NDF : 52.9/8

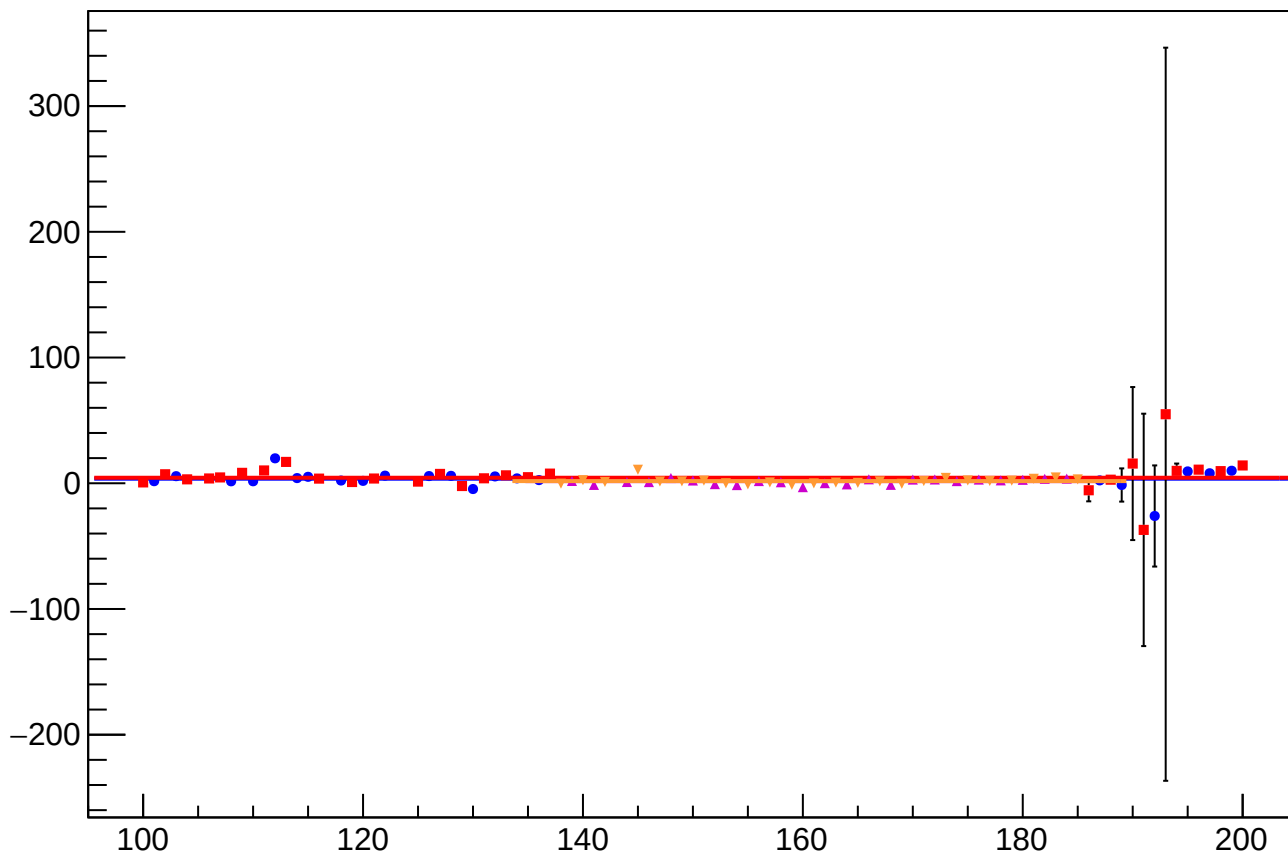
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.946 ± 0.190 χ^2/NDF : 1137.4/29

All: -35.794 ± 0.133 χ^2/NDF : 2045.0/61

- sign -35.645 ± 0.188 χ^2/NDF : 906.3/31

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.631 ± 0.218 χ^2/NDF : 447.4/21

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.382 ± 0.218 χ^2/NDF : 370.0/26

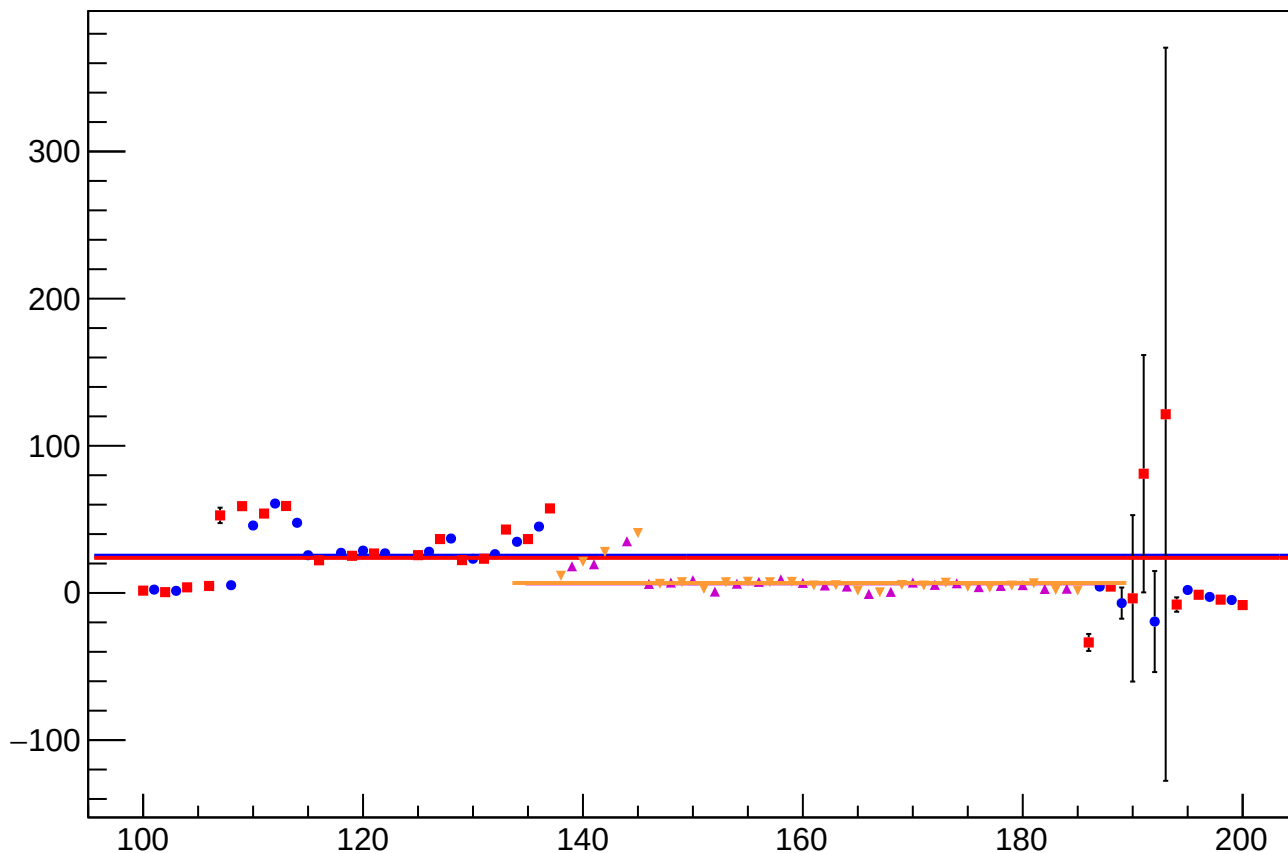
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.322 ± 0.122 χ^2/NDF : 667.9/45

All: 2.440 ± 0.087 χ^2/NDF : 1305.2/95

- sign 2.559 ± 0.123 χ^2/NDF : 635.4/49

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 25.303 $\pm$ 0.389 χ^2 /NDF: 2141.3/21

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

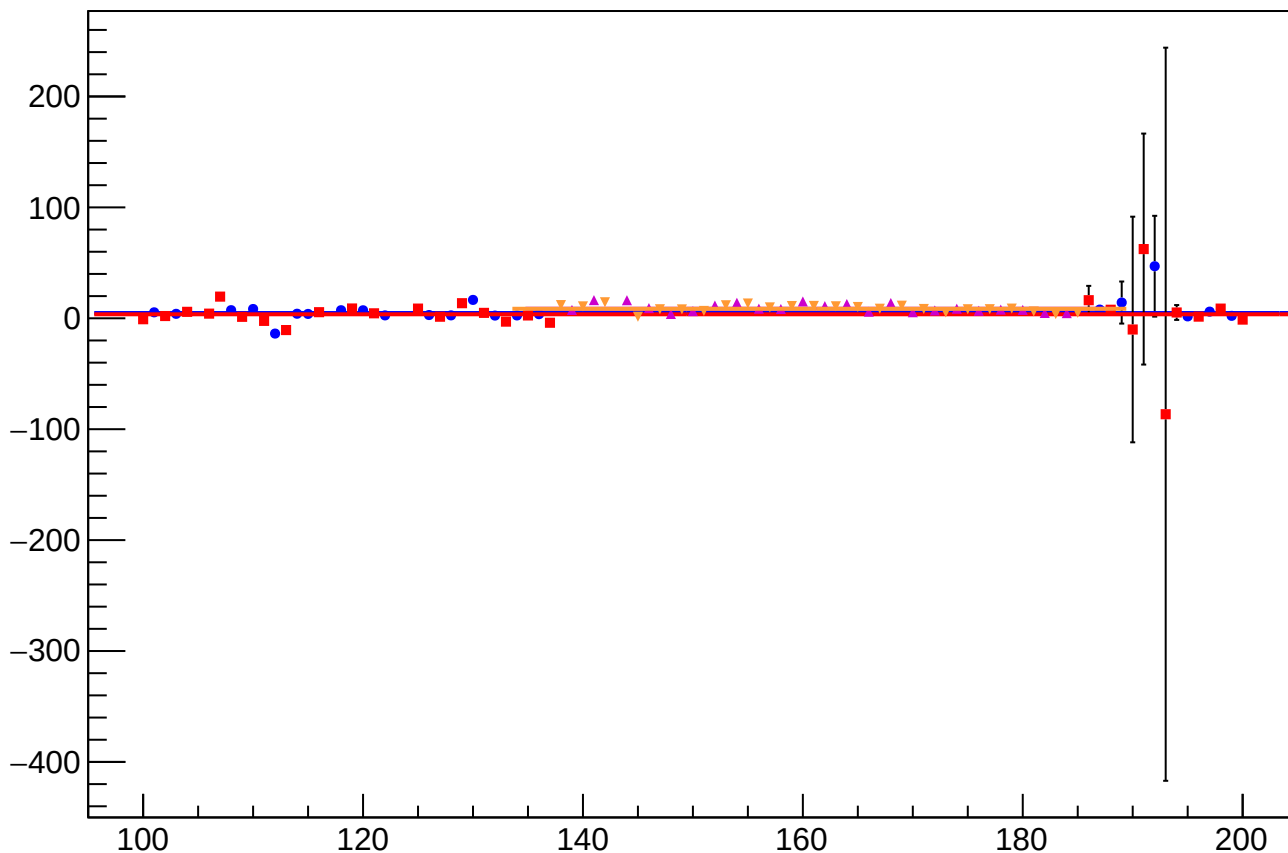
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.384 $\pm$ 0.172 χ^2 /NDF: 5264.0/45

All: 10.351 $\pm$ 0.120 χ^2 /NDF: 11320.7/95

- sign 10.319 $\pm$ 0.168 χ^2 /NDF: 6056.6/49

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.743 $\pm$ 0.252 χ^2 /NDF: 545.9/21

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

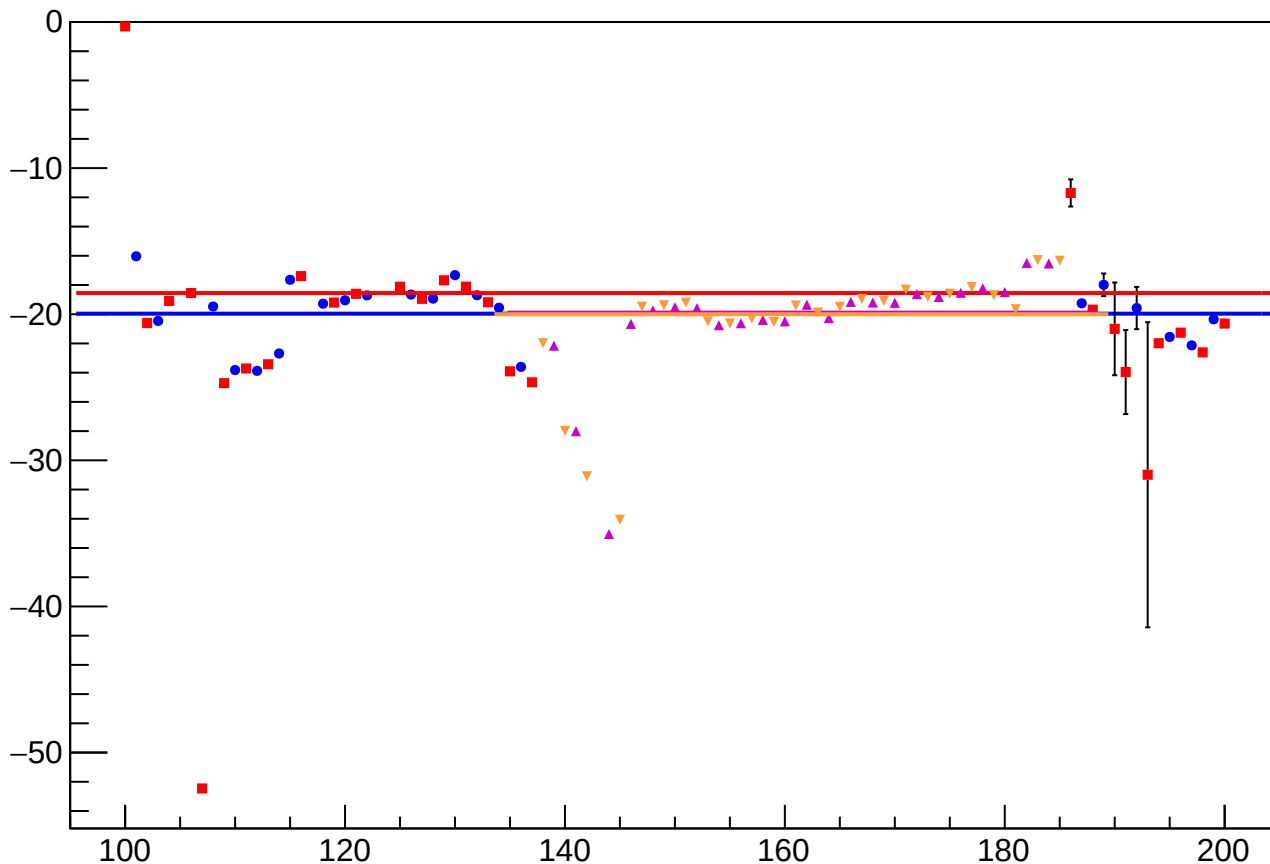
Left In: 8.585 $\pm$ 0.170 χ^2 /NDF: 441.8/22

+ sign 7.395 $\pm$ 0.140 χ^2 /NDF: 951.7/45

All: 7.211 $\pm$ 0.099 χ^2 /NDF: 2243.1/95

- sign 7.024 $\pm$ 0.141 χ^2 /NDF: 1287.9/49

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.961 ± 0.015 $\chi^2/\text{NDF}: 26576.2/21$

Left Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 171944.6/23$

Right Out: -18.552 ± 0.014 $\chi^2/\text{NDF}: 303646.0/26$

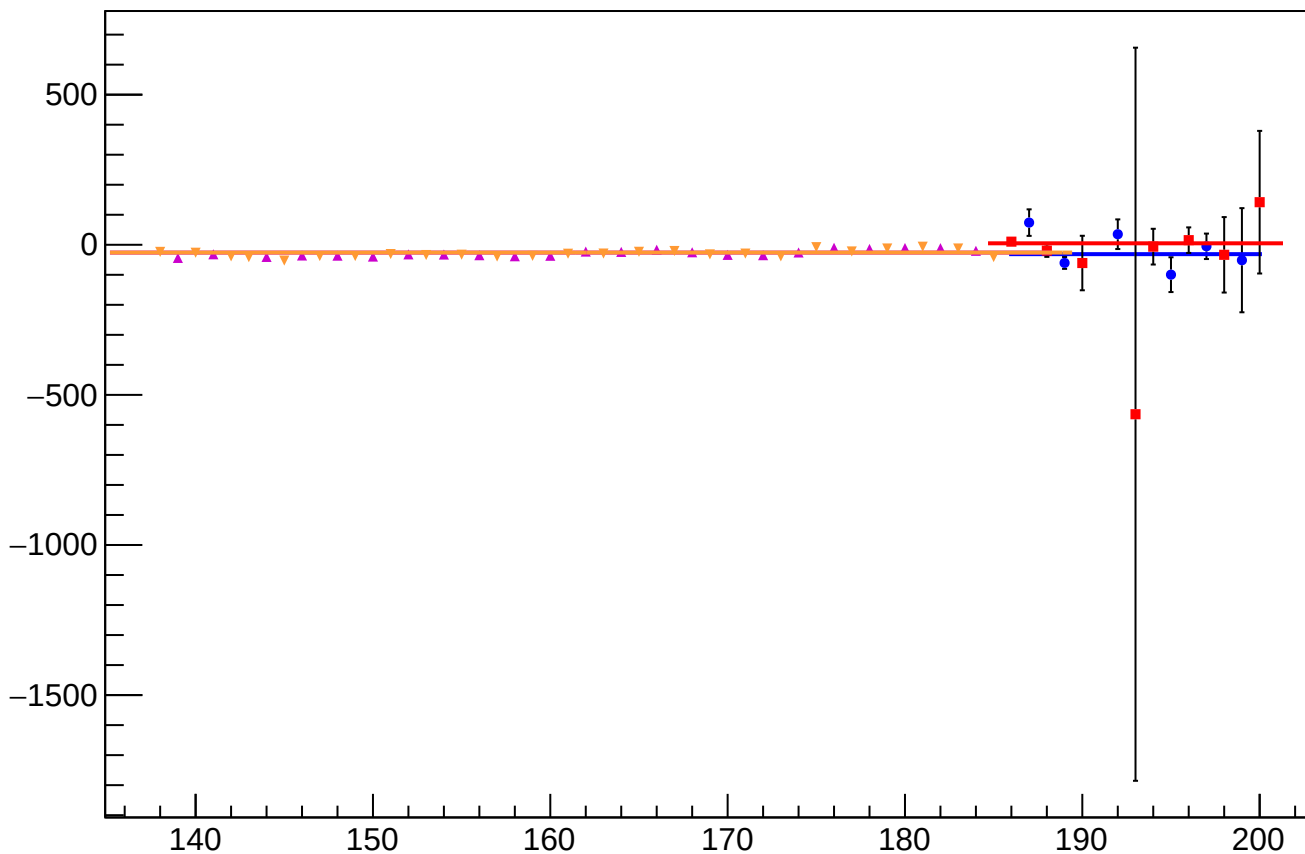
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.990 ± 0.007 $\chi^2/\text{NDF}: 198525.5/45$

All: -19.782 ± 0.005 $\chi^2/\text{NDF}: 654701.8/95$

- sign -19.581 ± 0.007 $\chi^2/\text{NDF}: 454439.1/49$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -31.202 ± 15.140 χ^2/NDF : 11.4/5

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 4.902 ± 8.292 χ^2/NDF : 3.0/7

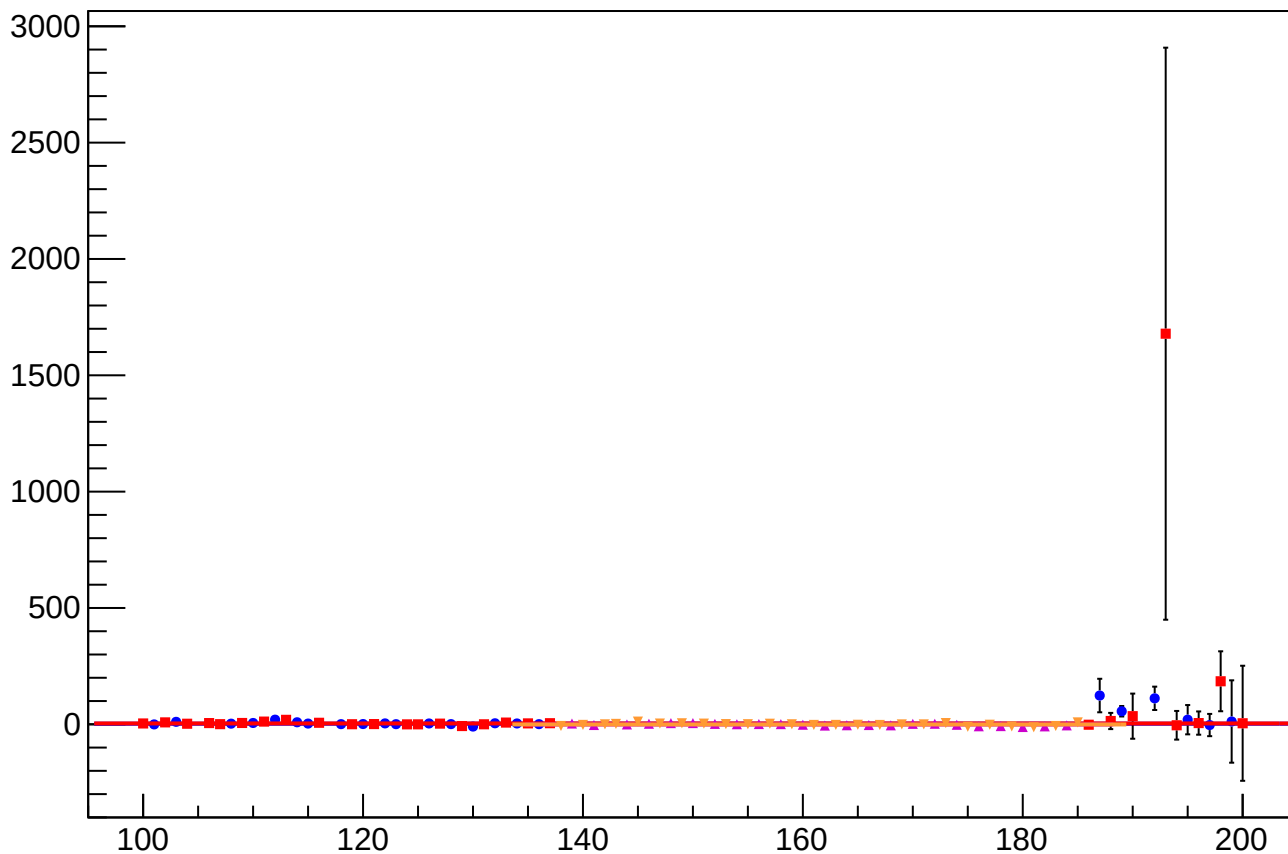
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.885 ± 0.192 χ^2/NDF : 4169.5/30

All: -25.959 ± 0.137 χ^2/NDF : 7466.2/61

- 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 : 307.7/22

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.712 ± 0.327 χ^2/NDF : 273.4/26

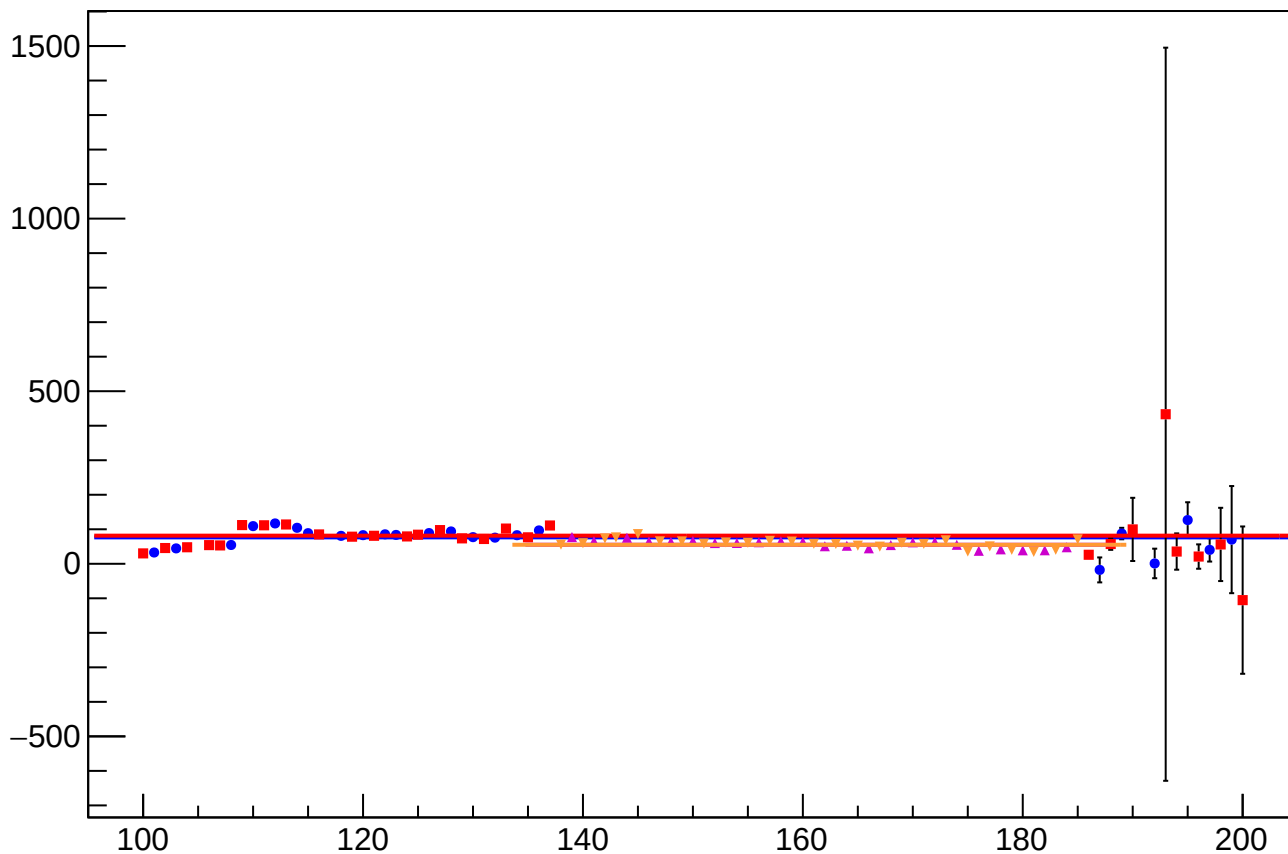
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.100 ± 0.133 χ^2/NDF : 1709.6/47

All: -0.082 ± 0.095 χ^2/NDF : 3211.4/97

- sign -0.062 ± 0.137 χ^2/NDF : 1501.8/49

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.526 $\pm$ 0.576 χ^2 /NDF: 2265.2/22

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

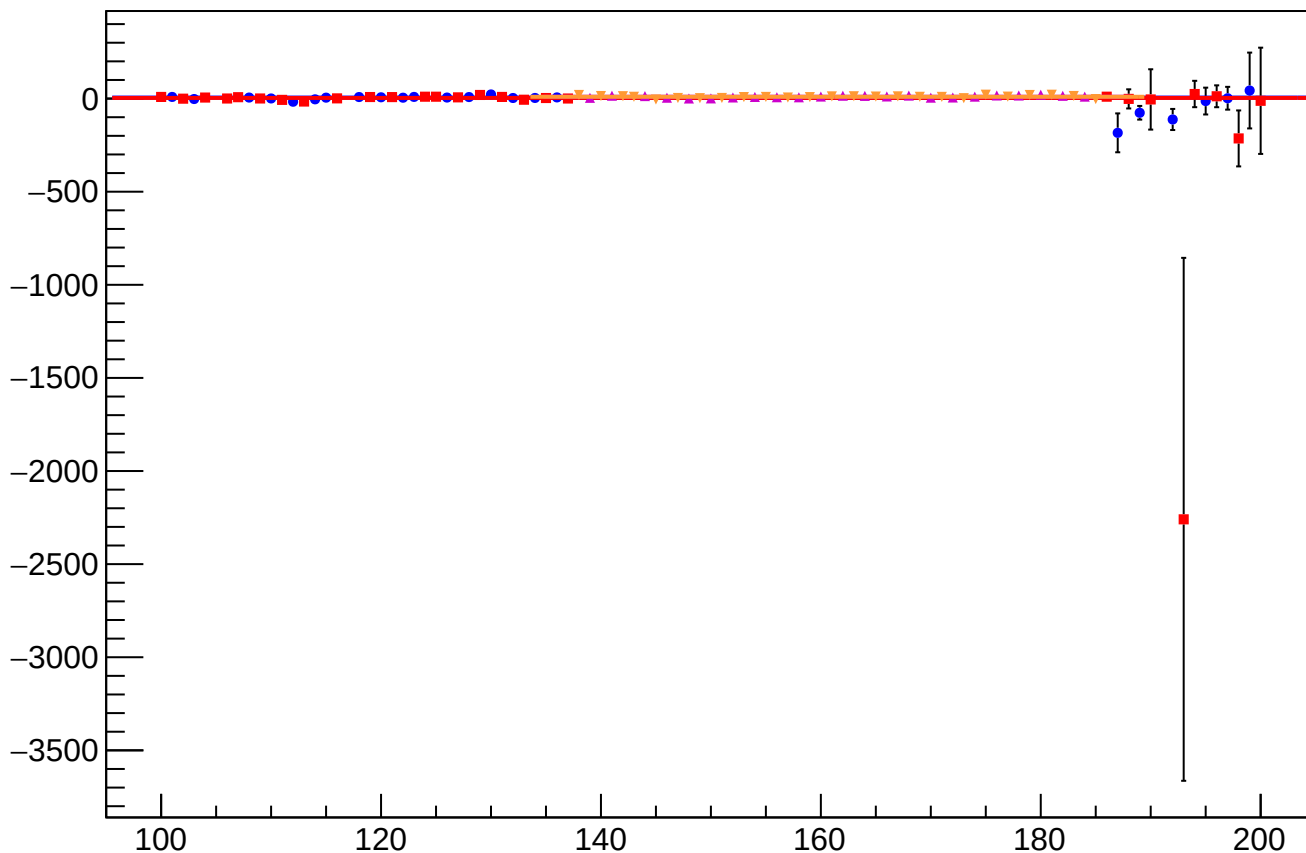
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.228 $\pm$ 0.182 χ^2 /NDF: 8089.5/47

All: 57.427 $\pm$ 0.129 χ^2 /NDF: 15233.8/97

- sign 57.631 $\pm$ 0.184 χ^2 /NDF: 7141.9/49

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.413 ± 0.361 χ^2/NDF : 398.3/22

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.584 ± 0.375 χ^2/NDF : 426.6/26

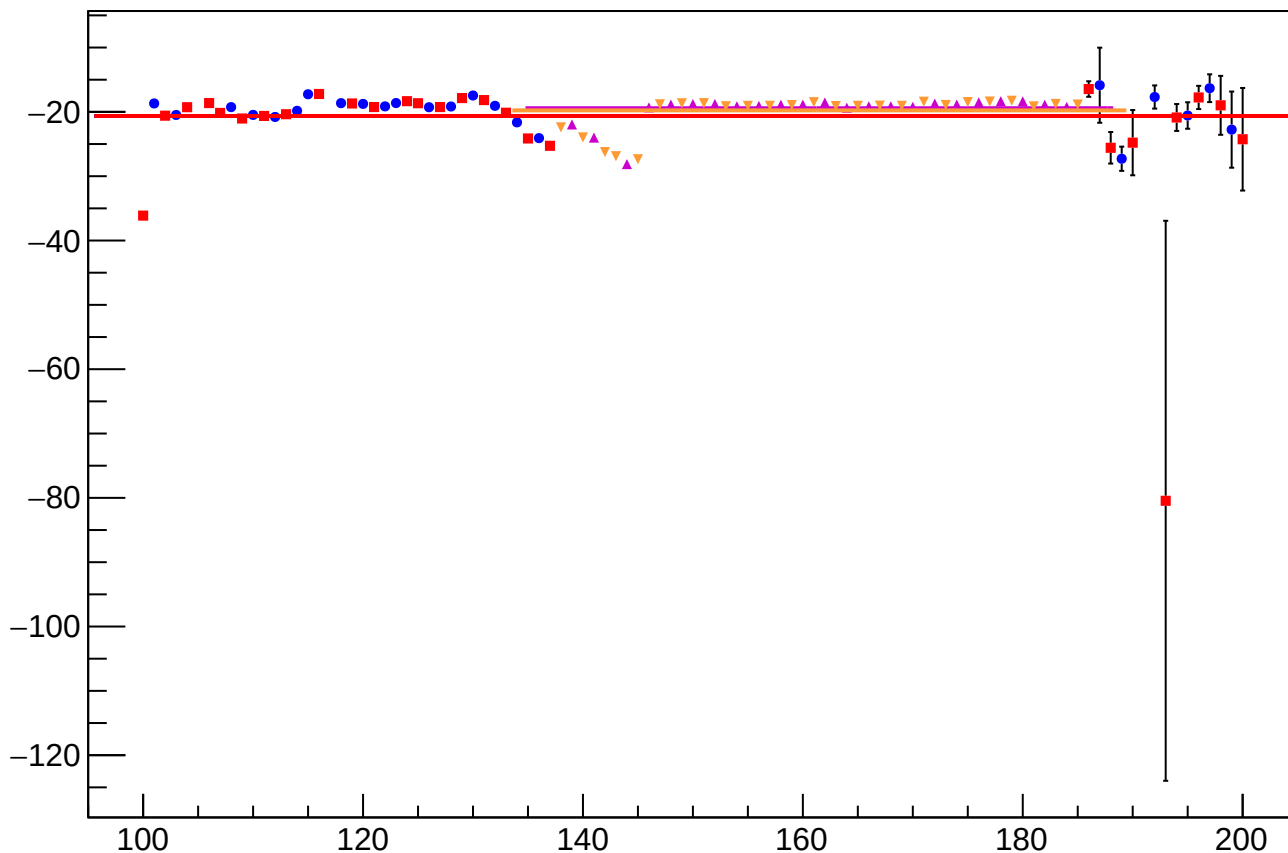
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 ± 0.152 χ^2/NDF : 1966.6/47

All: 8.851 ± 0.109 χ^2/NDF : 3780.1/97

- sign 8.728 ± 0.156 χ^2/NDF : 1812.3/49

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12444.1/22$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.639 ± 0.019 $\chi^2/\text{NDF}: 13807.4/26$

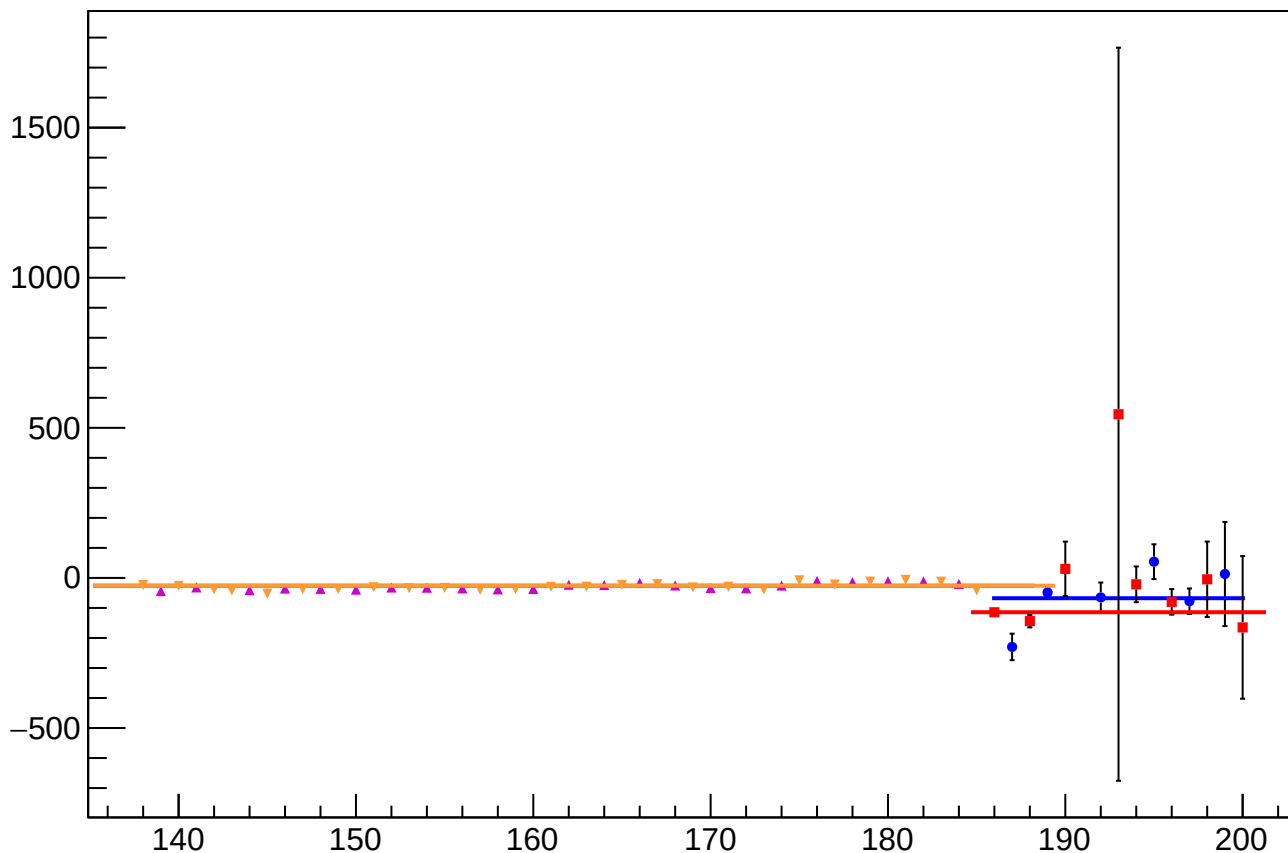
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105823.0/47$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176829.3/97$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70253.9/49$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -67.606 ± 15.152 χ^2/NDF : 19.1/5

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -114.235 ± 8.298 χ^2/NDF : 8.7/7

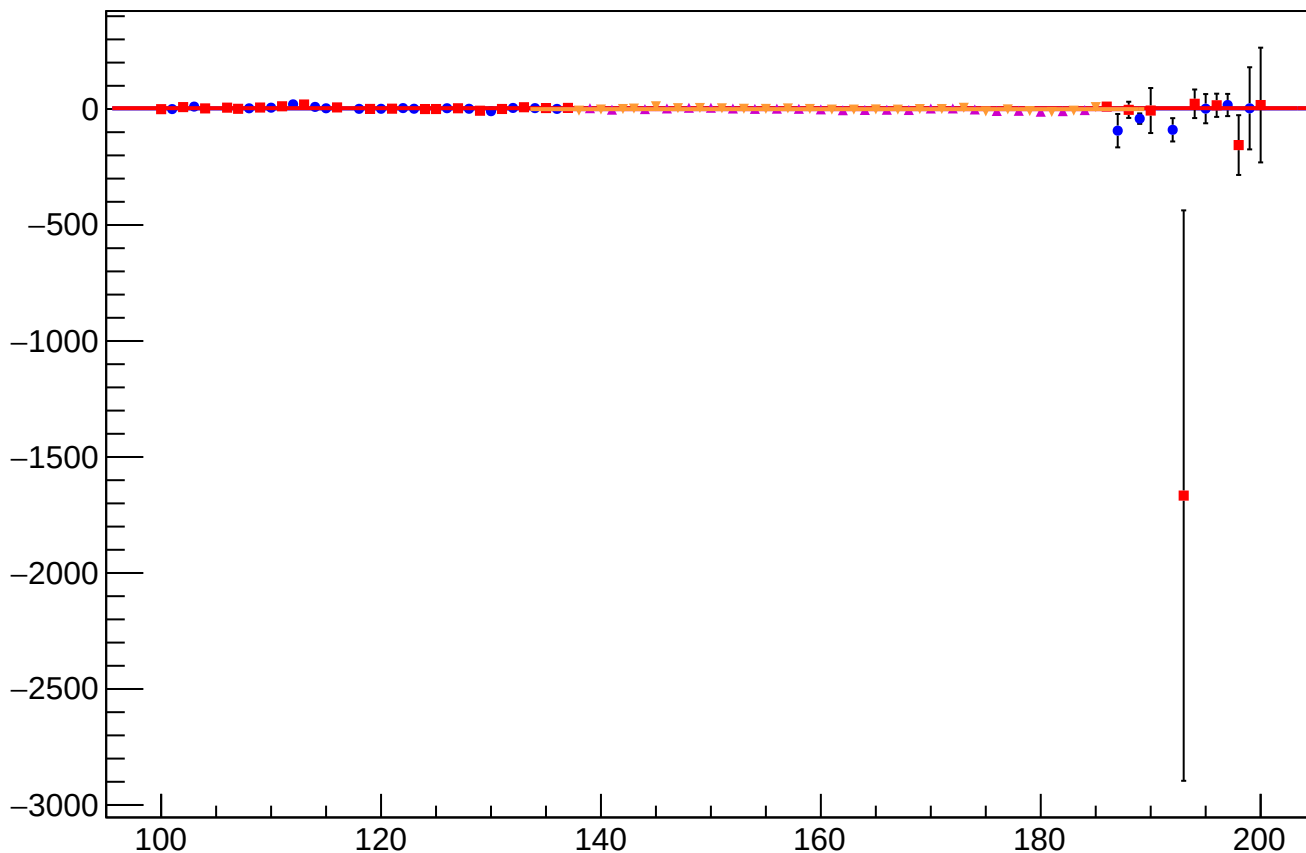
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.906 ± 0.192 χ^2/NDF : 4154.2/30

All: -25.999 ± 0.137 χ^2/NDF : 7523.1/61

- 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 : 301.4/22

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.596 ± 0.318 χ^2/NDF : 284.0/26

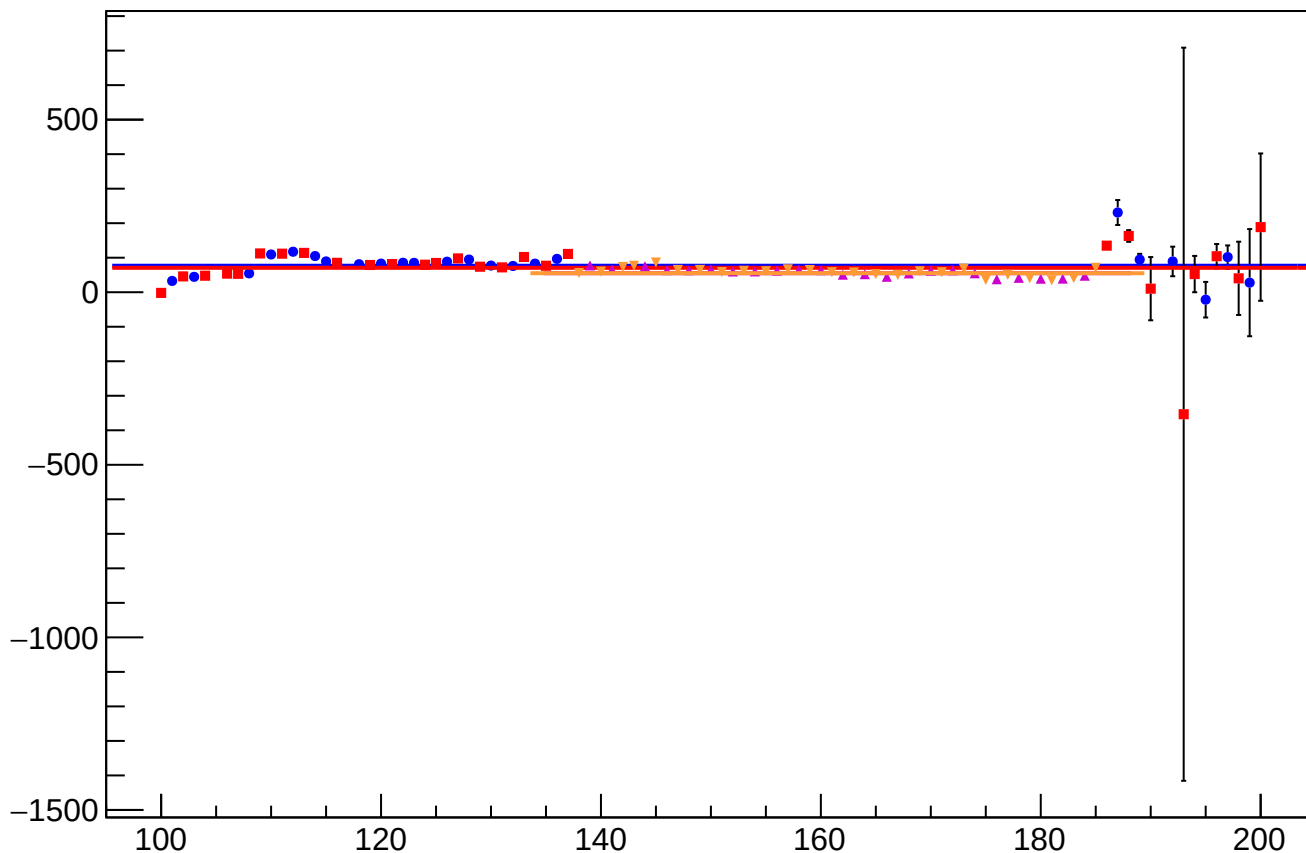
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1688.6/47

All: -0.025 ± 0.095 χ^2/NDF : 3234.8/97

- sign 0.009 ± 0.136 χ^2/NDF : 1546.0/49

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.732 $\pm$ 0.577 χ^2 /NDF: 2288.6/22

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

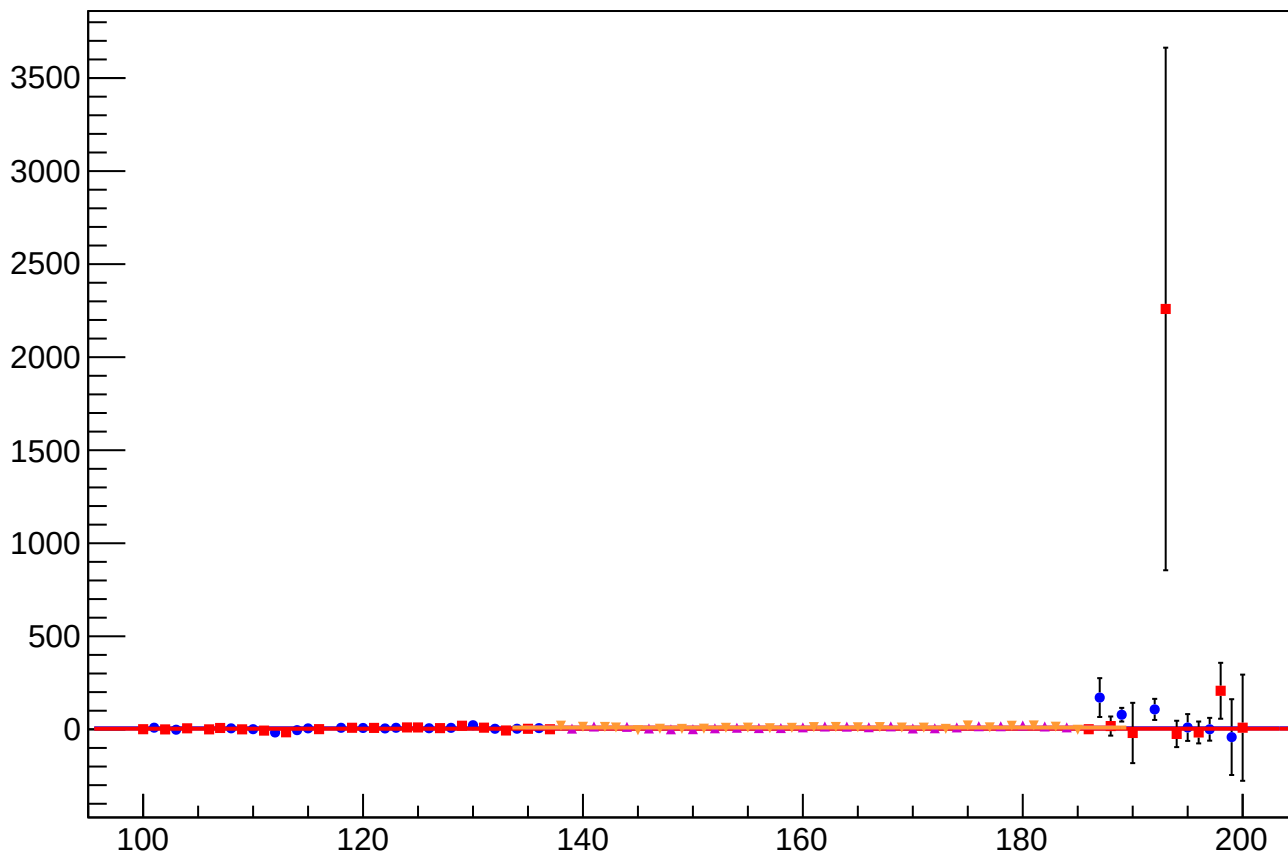
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.261 $\pm$ 0.182 χ^2 /NDF: 8114.9/47

All: 57.045 $\pm$ 0.129 χ^2 /NDF: 16998.0/97

- 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 : 393.9/22

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.279 ± 0.365 χ^2/NDF : 429.9/26

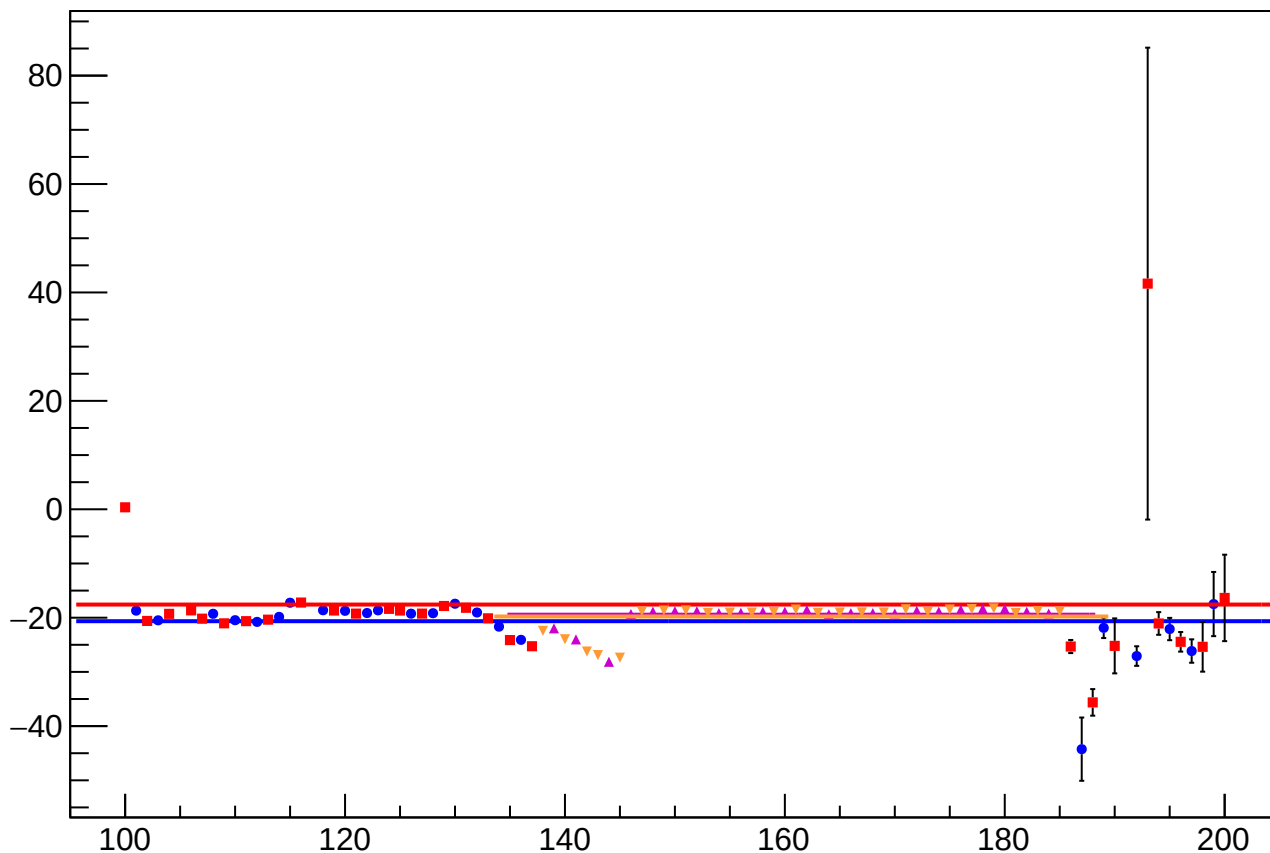
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1948.4/47

All: 8.750 ± 0.109 χ^2/NDF : 3827.8/97

- 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 $\chi^2/\text{NDF}: 12499.5/22$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.575 ± 0.018 $\chi^2/\text{NDF}: 178437.7/26$

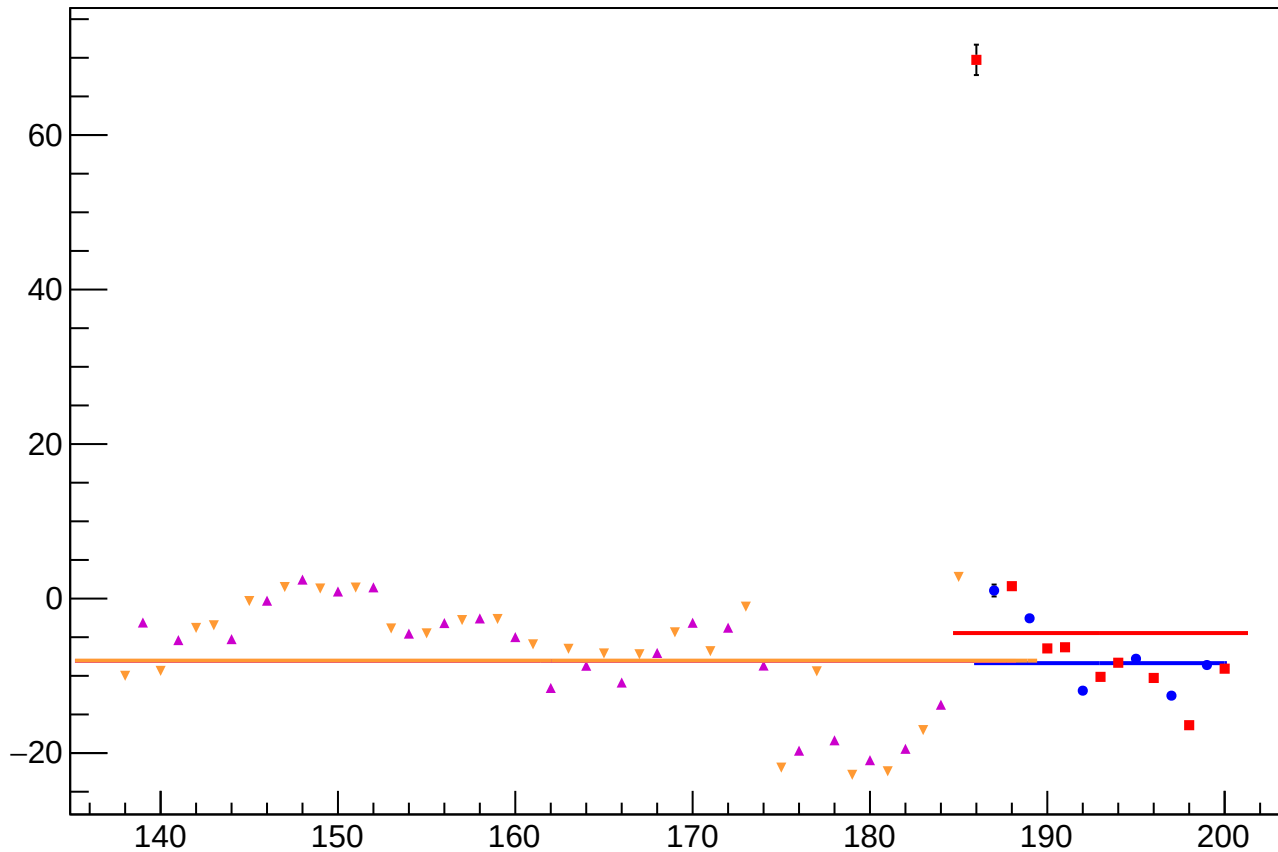
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ sign -19.899 ± 0.007 $\chi^2/\text{NDF}: 105749.0/47$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351713.0/97$

- sign -19.140 ± 0.007 $\chi^2/\text{NDF}: 240552.2/49$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -8.358 ± 0.171 χ^2/NDF : 583.6/5

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -4.464 ± 0.121 χ^2/NDF : 3827.3/8

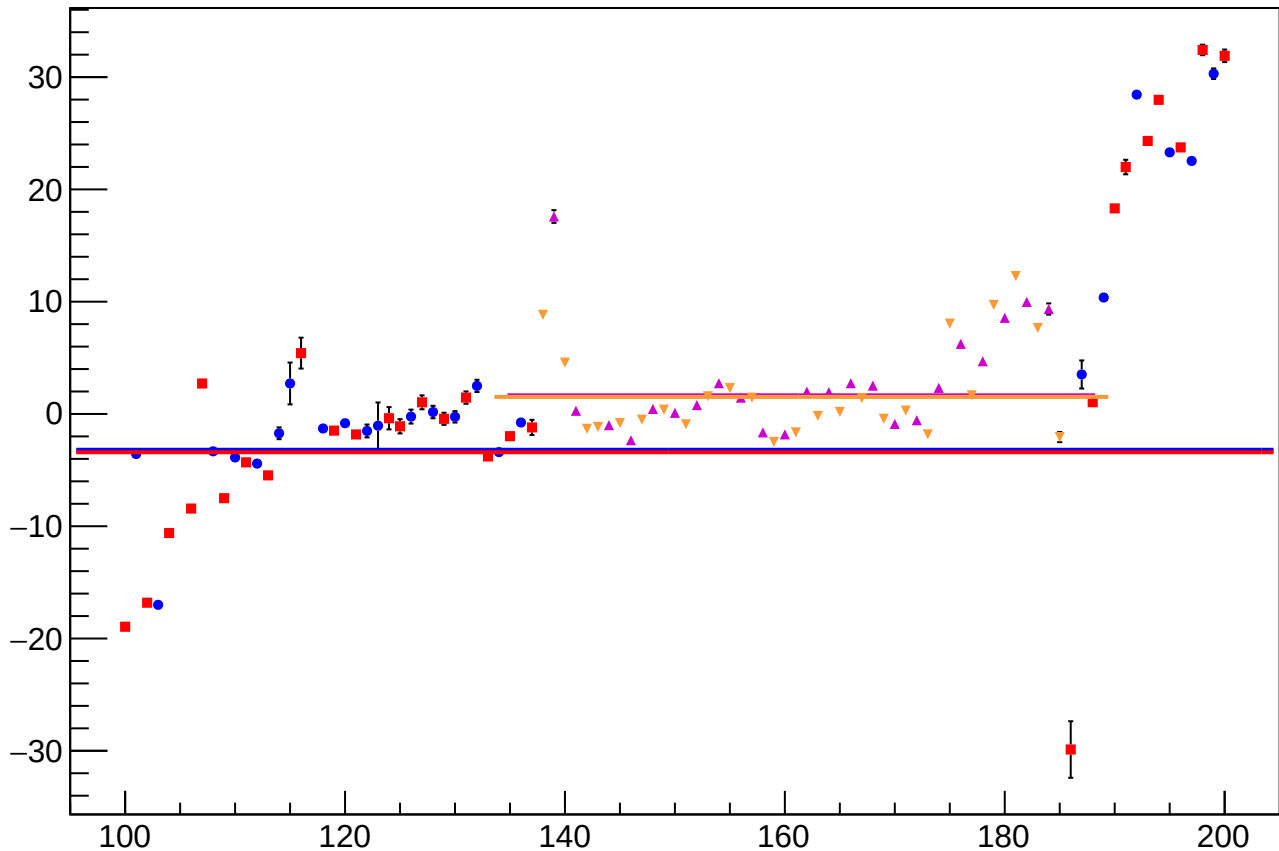
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -8.081 ± 0.065 χ^2/NDF : 13154.7/30

All: -7.587 ± 0.045 χ^2/NDF : 28288.9/62

- sign -7.140 ± 0.062 χ^2/NDF : 15024.4/31

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -3.190 ± 0.053 χ^2/NDF : 31571.5/22

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -3.412 ± 0.055 χ^2/NDF : 45871.2/27

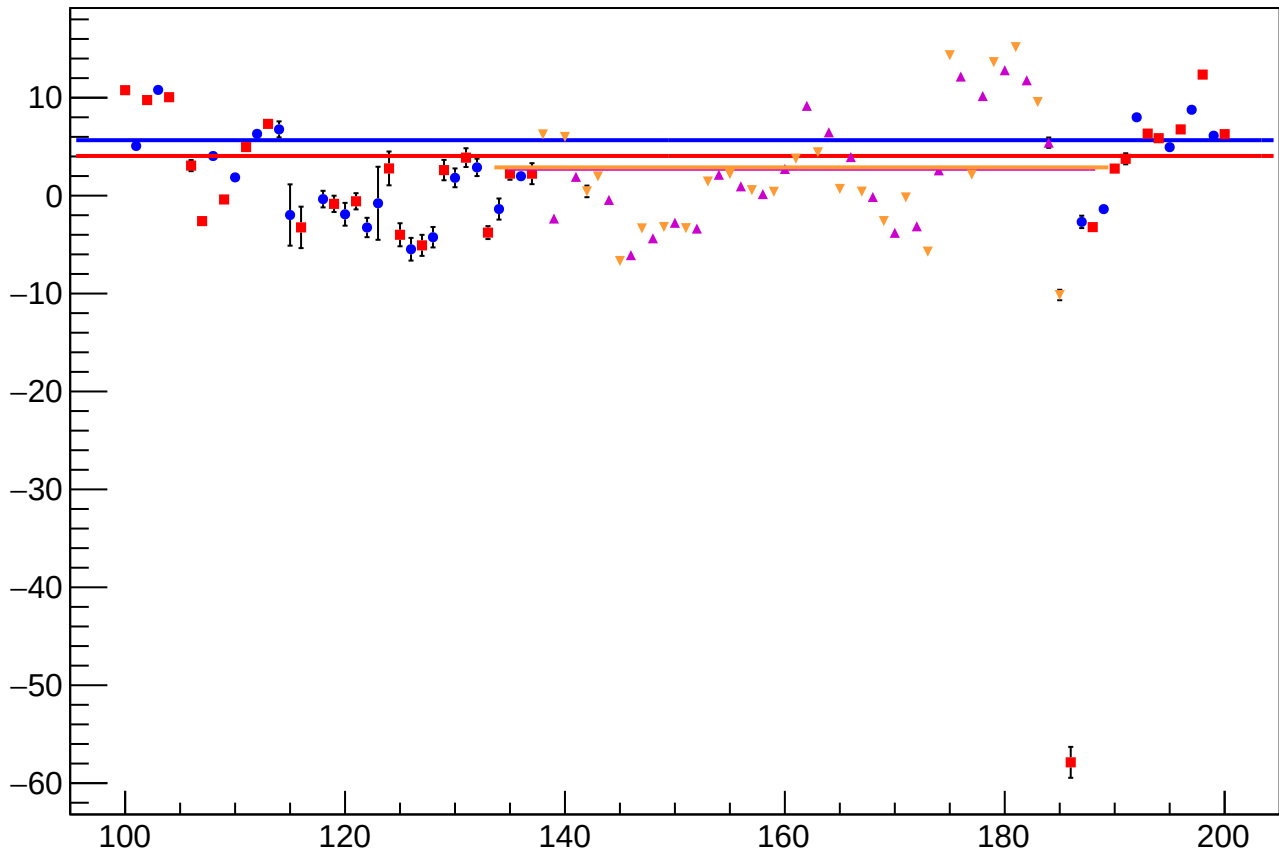
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -0.912 ± 0.038 χ^2/NDF : 40290.2/47

All: -0.935 ± 0.027 χ^2/NDF : 94354.7/98

- sign -0.961 ± 0.039 χ^2/NDF : 54063.7/50

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.662 ± 0.077 χ^2/NDF : 2148.2/22

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 4.052 ± 0.069 χ^2/NDF : 7622.8/27

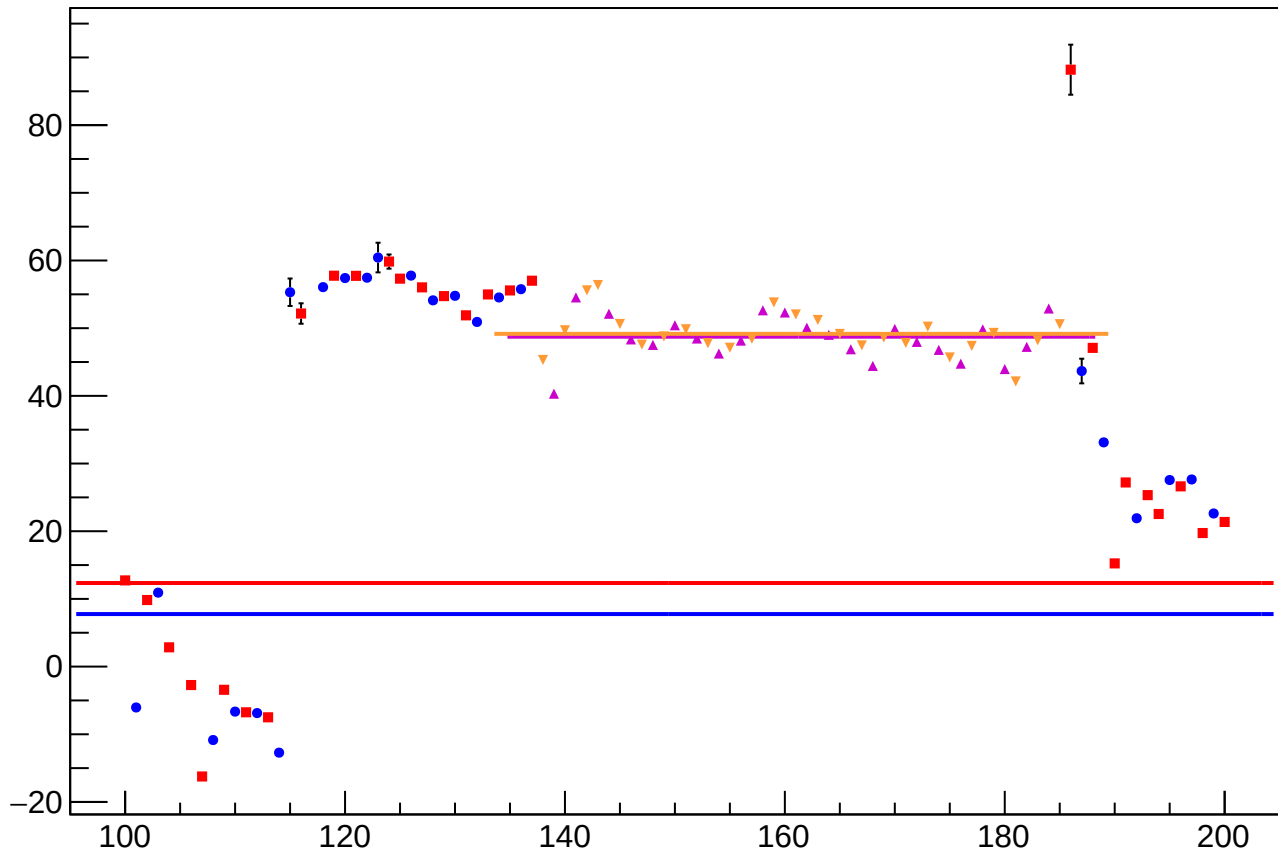
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 4.149 ± 0.052 χ^2/NDF : 11752.9/47

All: 3.768 ± 0.036 χ^2/NDF : 26834.3/98

- sign 3.417 ± 0.050 χ^2/NDF : 14977.8/50

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 7.761 ± 0.062 χ^2/NDF : 128297.1/22

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 12.348 ± 0.065 χ^2/NDF : 133687.7/27

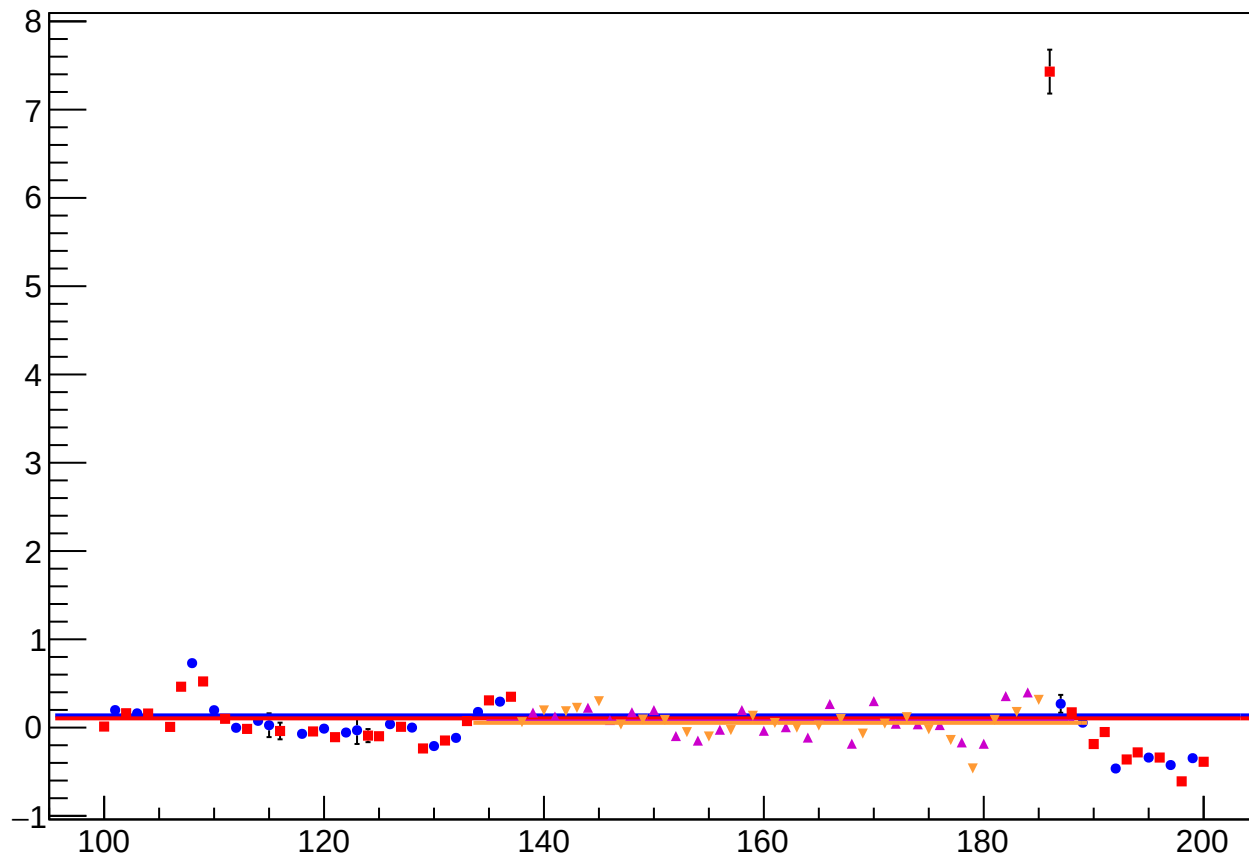
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.651 ± 0.044 χ^2/NDF : 353347.4/47

All: 29.754 ± 0.032 χ^2/NDF : 649754.4/98

- sign 30.946 ± 0.046 χ^2/NDF : 295090.7/50

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.138+/-0.003 χ^2/NDF : 10067.3/22

Left Out: 0.054+/-0.003 χ^2/NDF : 2379.8/24

Right Out: 0.104+/-0.002 χ^2/NDF : 10211.8/27

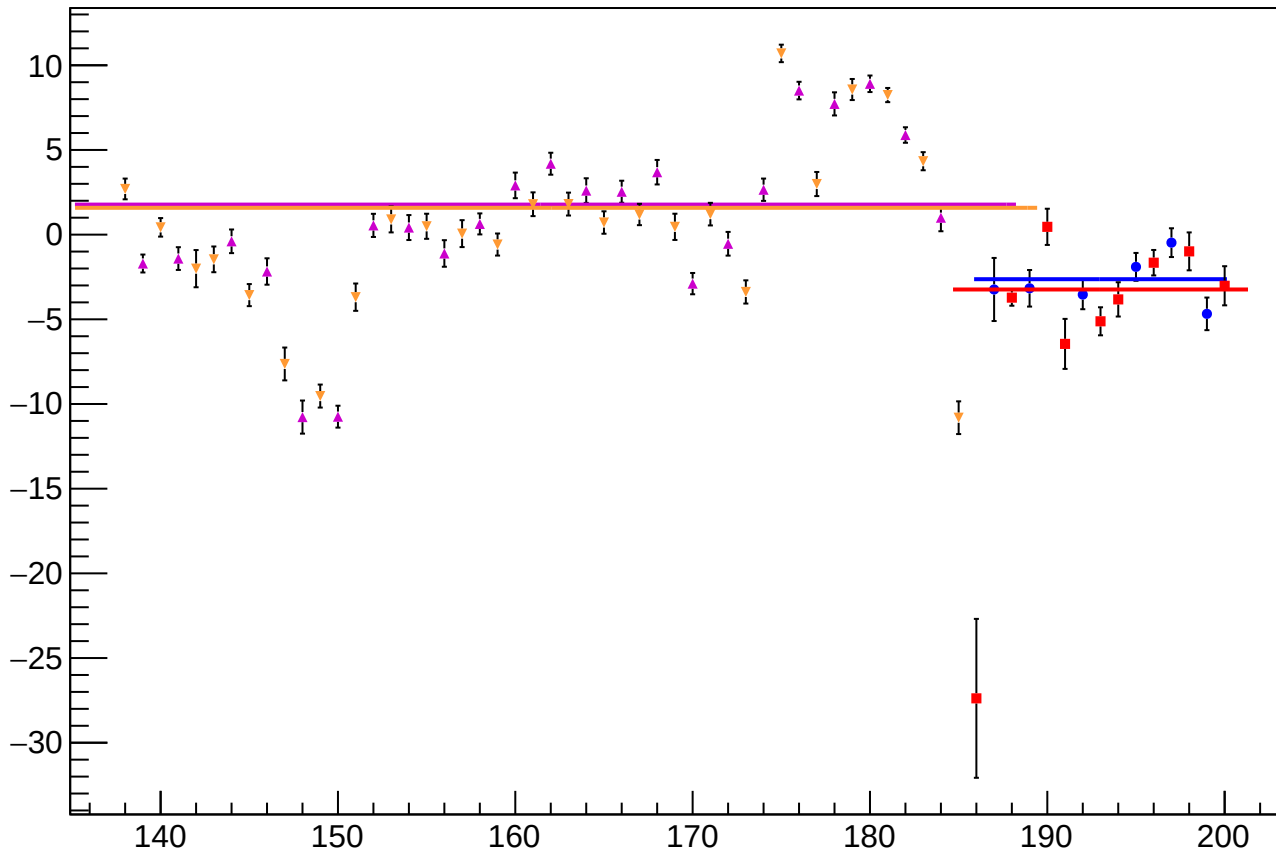
Left In: 0.070+/-0.003 χ^2/NDF : 3233.8/22

+ sign 0.100+/-0.002 χ^2/NDF : 12931.3/47

All: 0.095+/-0.001 χ^2/NDF : 26472.6/98

- sign 0.090+/-0.002 χ^2/NDF : 13527.5/50

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.631 ± 0.394 χ^2/NDF : 13.2/5

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.239 ± 0.295 χ^2/NDF : 58.2/8

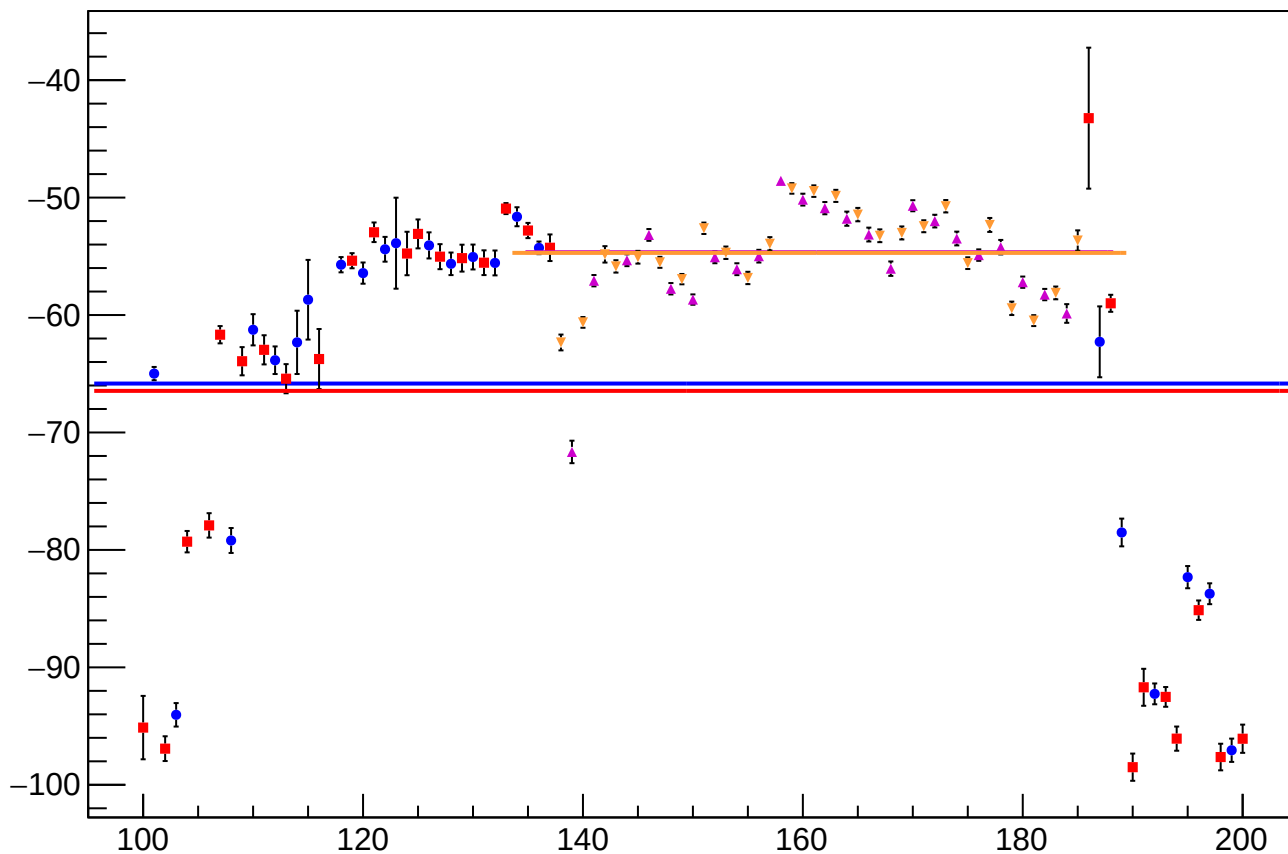
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 1.155 ± 0.126 χ^2/NDF : 1574.7/30

All: 1.025 ± 0.088 χ^2/NDF : 3171.5/62

- sign 0.901 ± 0.123 χ^2/NDF : 1594.7/31

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -65.834 ± 0.199 $\chi^2/\text{NDF}: 5352.5/22$

Left Out: -54.707 ± 0.106 $\chi^2/\text{NDF}: 1126.0/24$

Right Out: -66.458 ± 0.181 $\chi^2/\text{NDF}: 8822.5/27$

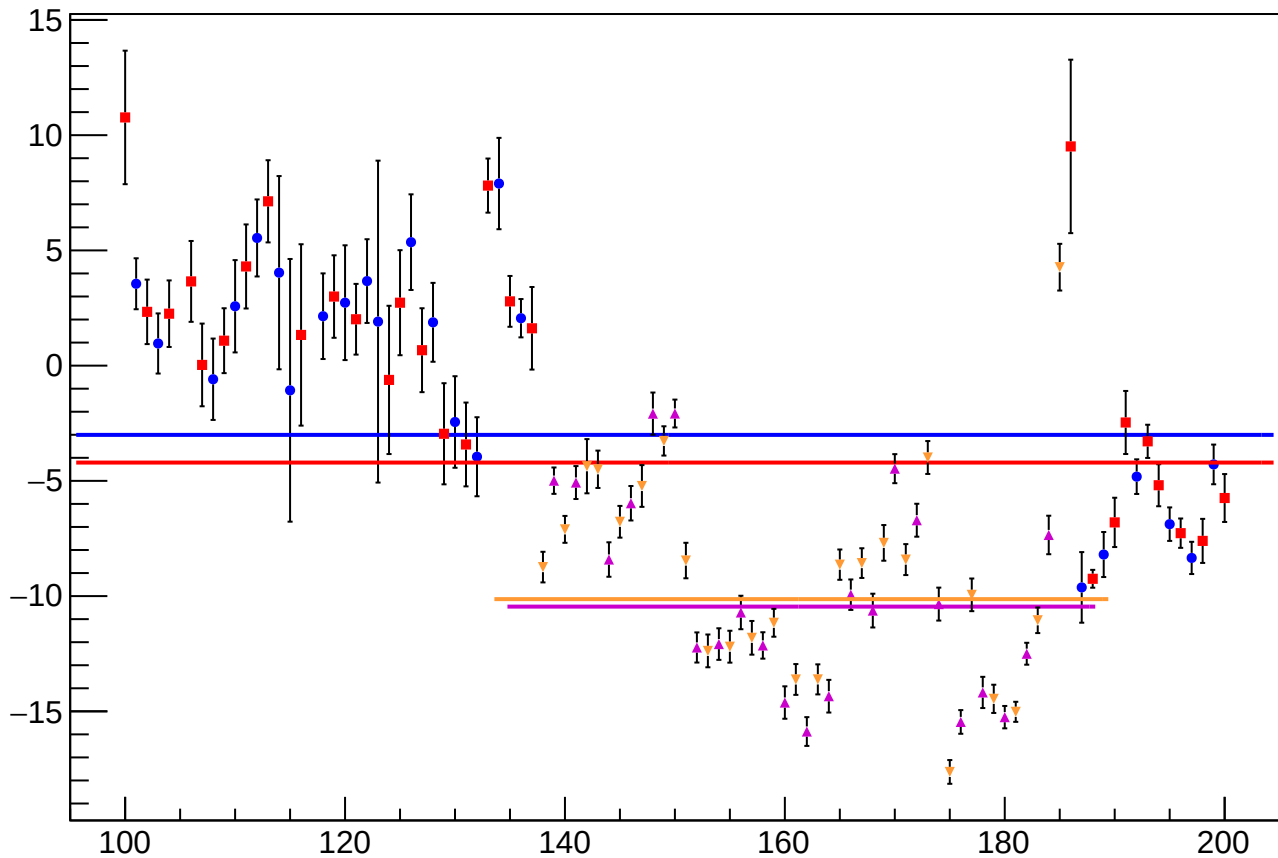
Left In: -54.650 ± 0.110 $\chi^2/\text{NDF}: 1077.1/22$

+ sign -57.153 ± 0.093 $\chi^2/\text{NDF}: 8914.9/47$

All: -57.490 ± 0.066 $\chi^2/\text{NDF}: 21957.2/98$

- sign -57.831 ± 0.094 $\chi^2/\text{NDF}: 13016.1/50$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -3.005 $\pm$ 0.262 χ^2/NDF : 343.8/22

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

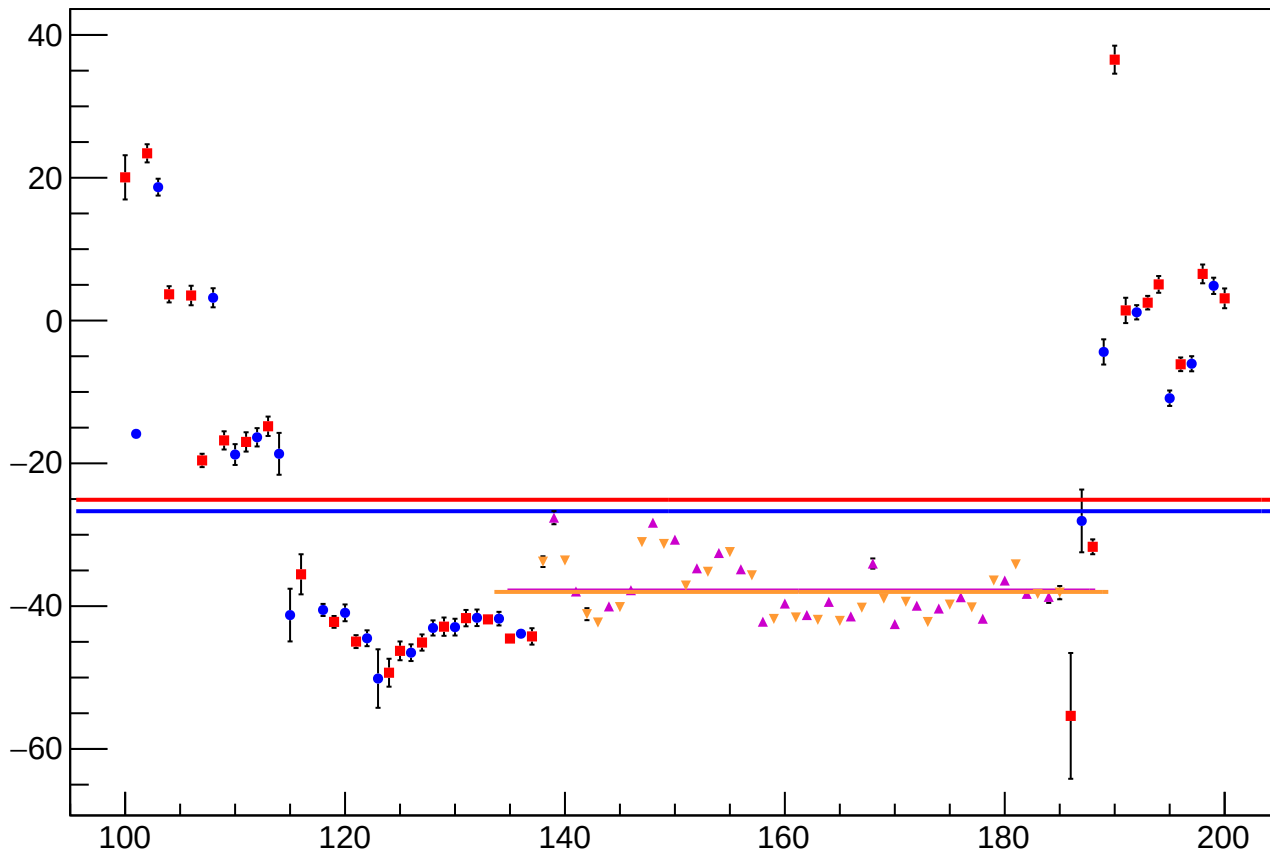
Left In: -10.456 $\pm$ 0.135 χ^2/NDF :1002.7/22

+ sign -8.672 $\pm$ 0.118 χ^2/NDF : 1988.8/47

All: -8.662 $\pm$ 0.082 χ^2/NDF : 4223.4/98

- sign -8.652 $\pm$ 0.114 χ^2/NDF : 2234.6/50

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -26.702 $\pm$ 0.229 χ^2/NDF : 7478.9/22

Left Out: -38.006 $\pm$ 0.119 χ^2/NDF : 946.0/24

Right Out: -25.099 $\pm$ 0.212 χ^2/NDF : 11109.5/27

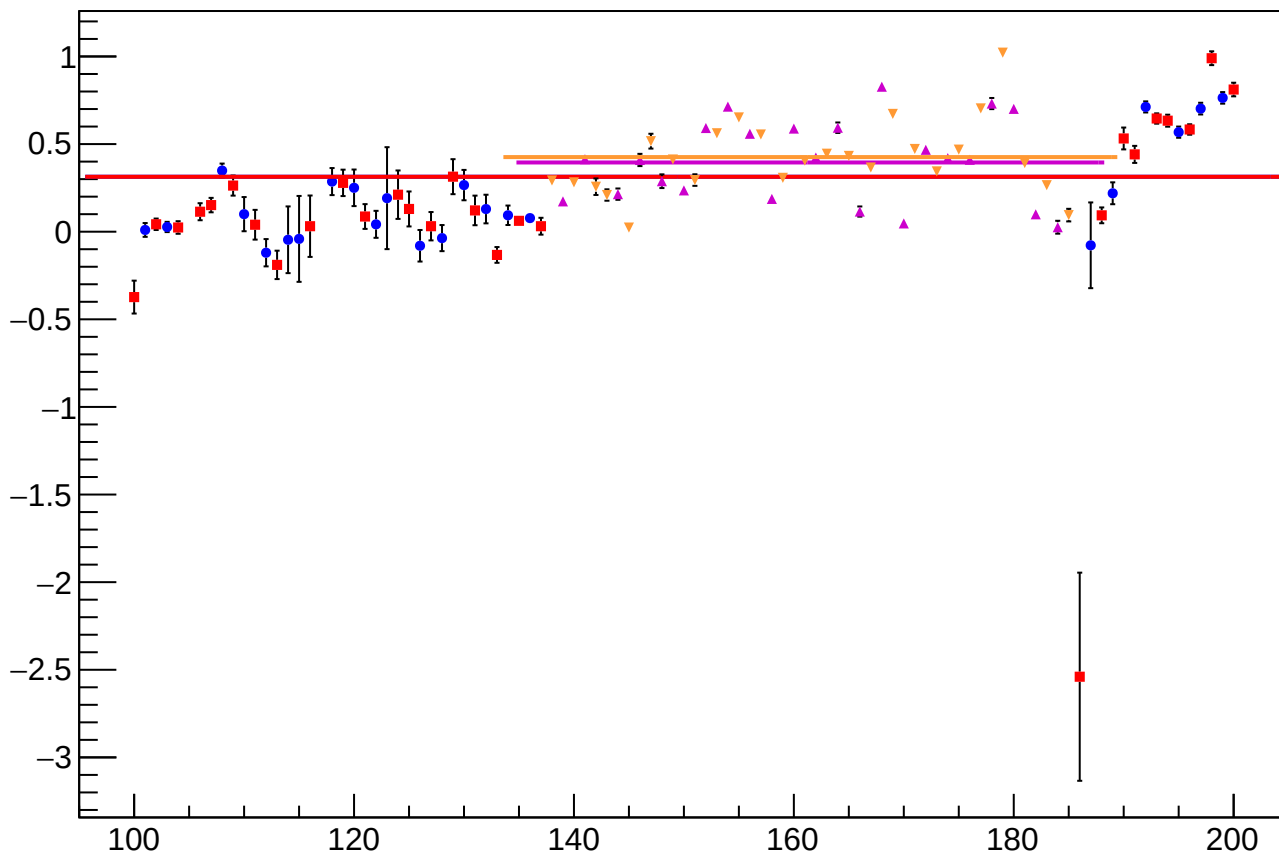
Left In: -37.809 $\pm$ 0.122 χ^2/NDF : 1039.9/22

+ sign -35.605 $\pm$ 0.105 χ^2/NDF : 10350.4/47

All: -35.121 $\pm$ 0.075 χ^2/NDF : 25242.2/98

- sign -34.632 $\pm$ 0.106 χ^2/NDF : 14849.4/50

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.314 ± 0.010 $\chi^2/\text{NDF}: 934.5/22$

Left Out: 0.426 ± 0.005 $\chi^2/\text{NDF}: 1303.7/24$

Right Out: 0.313 ± 0.009 $\chi^2/\text{NDF}: 1349.0/27$

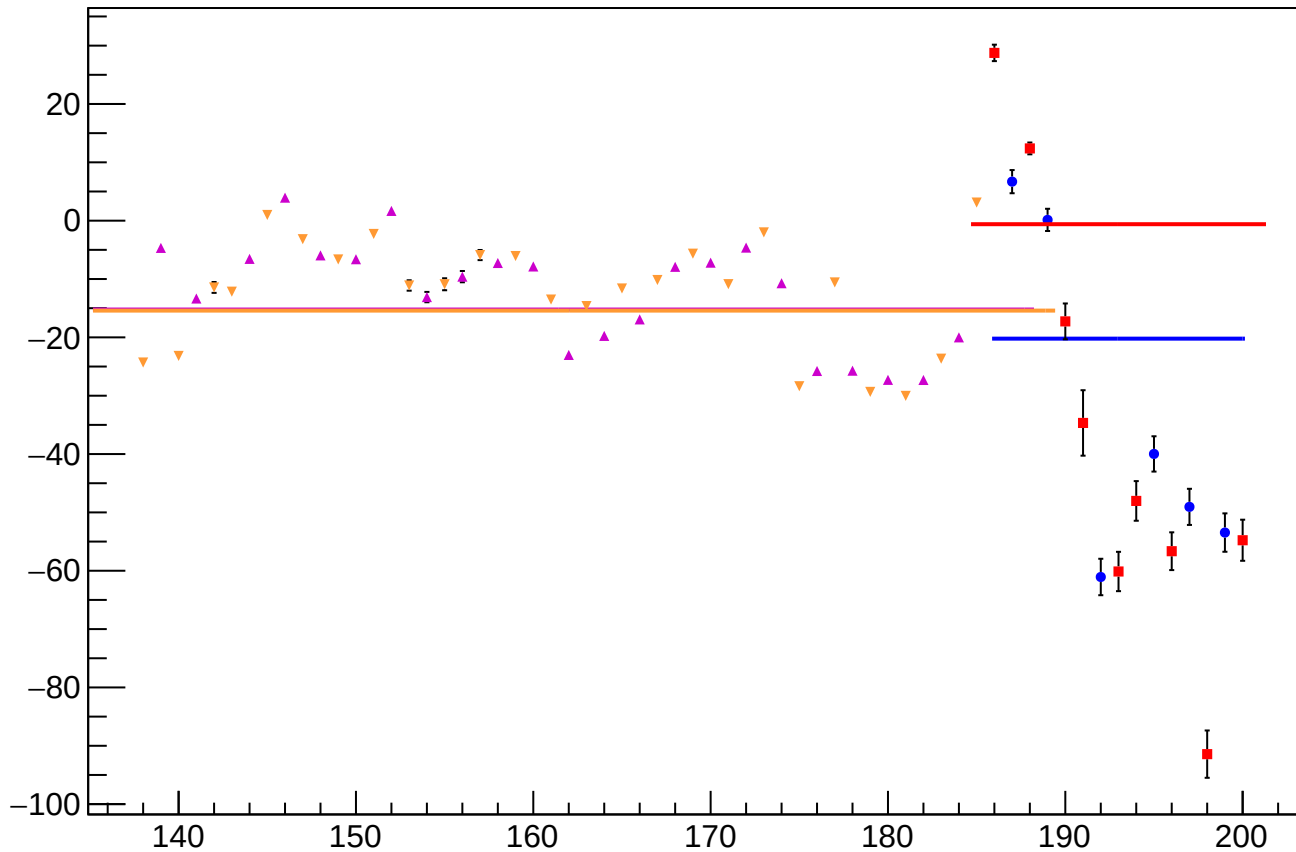
Left In: 0.395 ± 0.005 $\chi^2/\text{NDF}: 1798.2/22$

+ sign 0.400 ± 0.005 $\chi^2/\text{NDF}: 2337.5/47$

All: 0.387 ± 0.003 $\chi^2/\text{NDF}: 5561.8/98$

- sign 0.373 ± 0.005 $\chi^2/\text{NDF}: 3207.7/50$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -20.220 ± 1.033 χ^2/NDF : 700.2/5

Left Out: -15.413 ± 0.105 χ^2/NDF : 10509.1/24

Right Out: -0.604 ± 0.702 χ^2/NDF : 2209.5/8

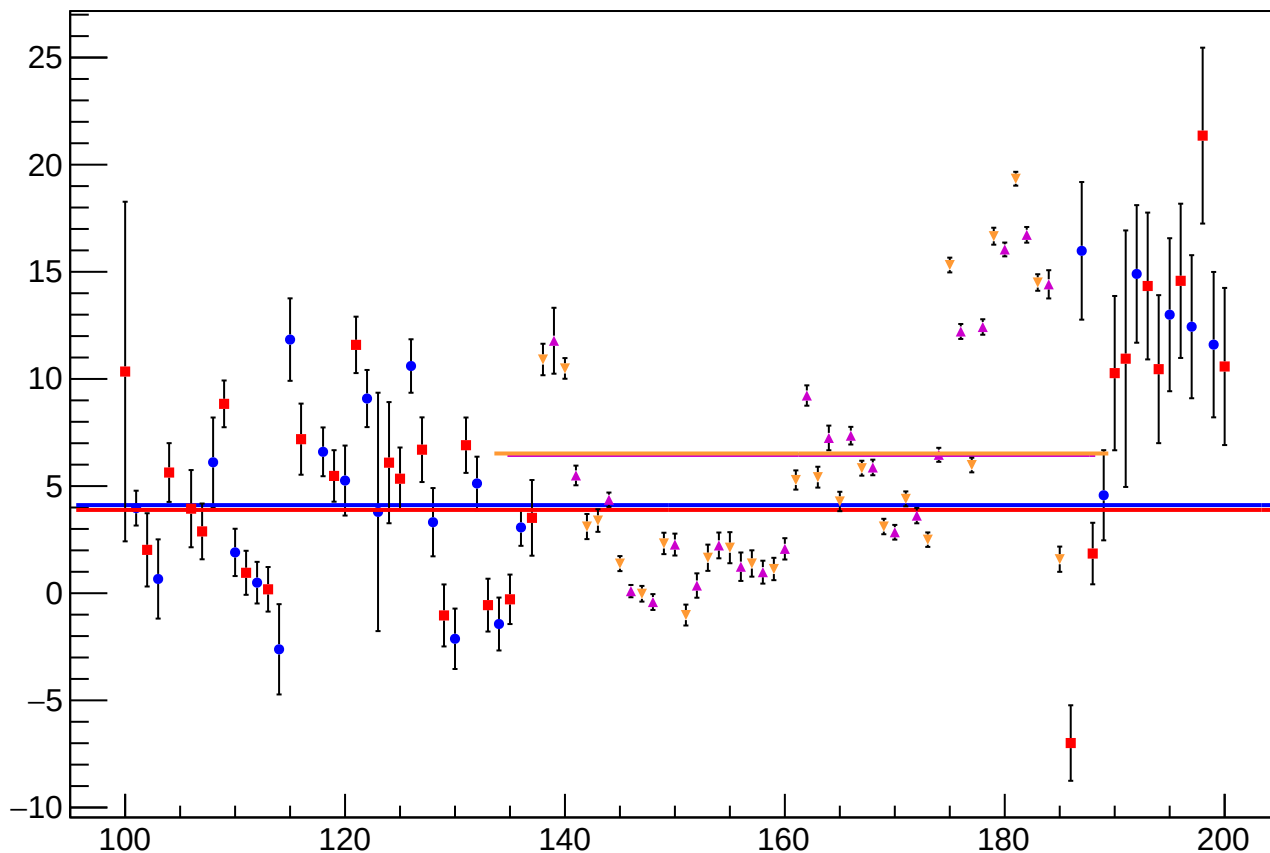
Left In: -15.229 ± 0.107 χ^2/NDF : 8657.3/22

+ sign -15.462 ± 0.105 χ^2/NDF : 11230.7/30

All: -15.183 ± 0.074 χ^2/NDF : 22535.8/62

- sign -14.899 ± 0.105 χ^2/NDF : 11290.7/31

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.112 ± 0.301 $\chi^2/\text{NDF}: 179.3/22$

Left Out: 6.521 ± 0.085 $\chi^2/\text{NDF}: 4985.2/24$

Right Out: 3.887 ± 0.298 $\chi^2/\text{NDF}: 221.5/27$

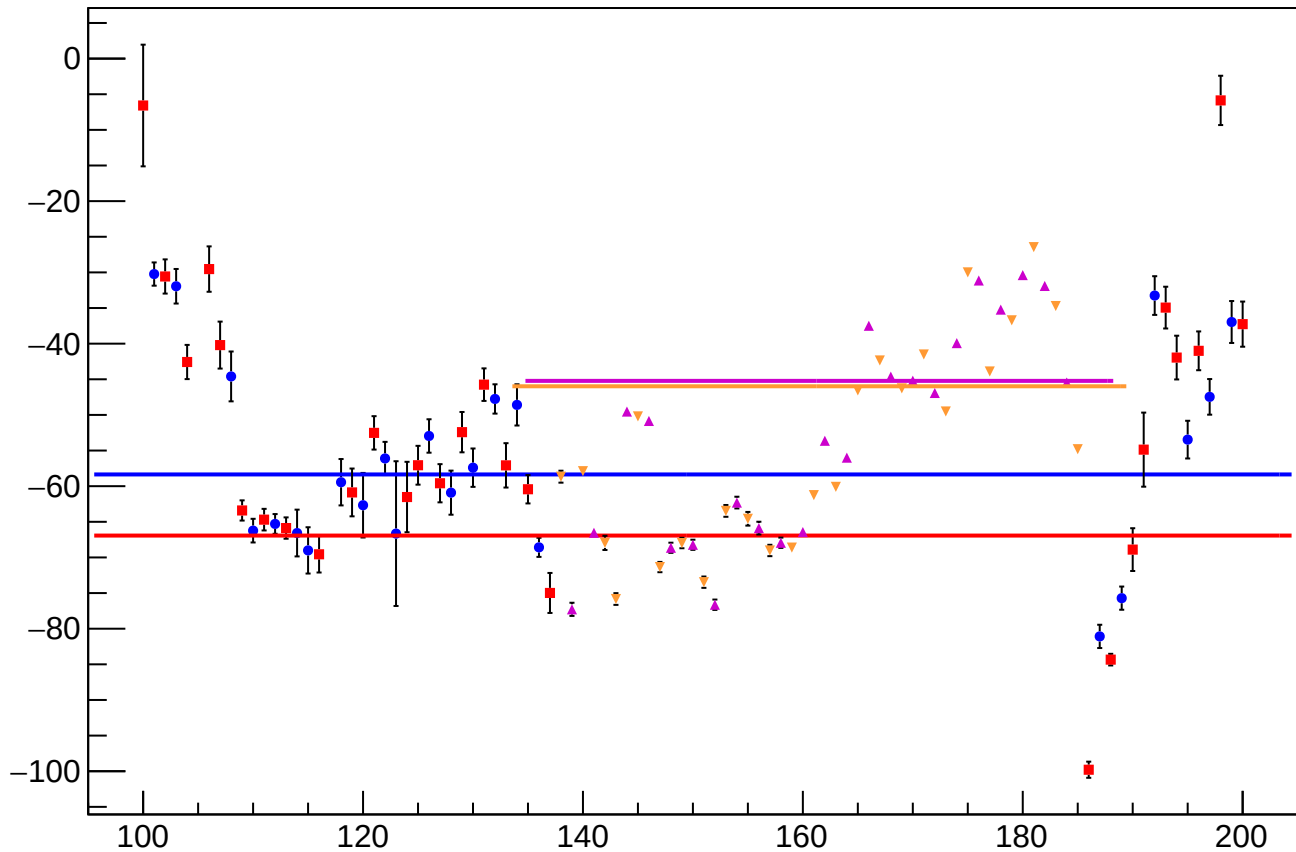
Left In: 6.452 ± 0.086 $\chi^2/\text{NDF}: 3948.0/22$

+ sign 6.342 ± 0.082 $\chi^2/\text{NDF}: 5223.6/47$

All: 6.298 ± 0.058 $\chi^2/\text{NDF}: 9462.1/98$

- sign 6.254 ± 0.083 $\chi^2/\text{NDF}: 4237.9/50$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -58.353 ± 0.462 $\chi^2/\text{NDF}: 1069.2/22$

Left Out: -45.982 ± 0.106 $\chi^2/\text{NDF}: 17360.1/24$

Right Out: -66.930 ± 0.394 $\chi^2/\text{NDF}: 2778.0/27$

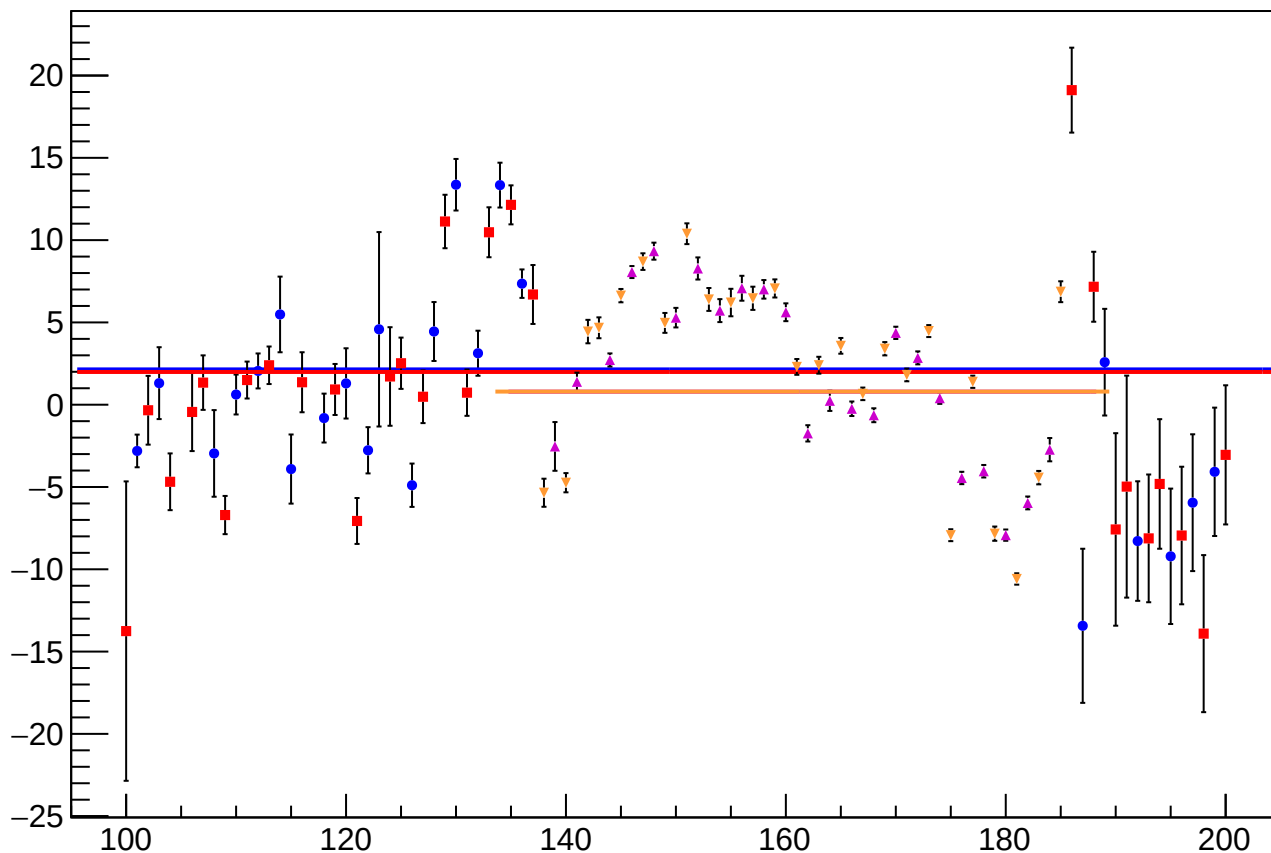
Left In: -45.222 ± 0.107 $\chi^2/\text{NDF}: 15600.2/22$

+ sign -46.603 ± 0.104 $\chi^2/\text{NDF}: 19110.0/47$

All: -46.660 ± 0.073 $\chi^2/\text{NDF}: 40313.3/98$

- sign -46.717 ± 0.103 $\chi^2/\text{NDF}: 21202.7/50$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.145 ± 0.340 χ^2/NDF : 276.6/22

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 1.990 ± 0.341 χ^2/NDF : 346.3/27

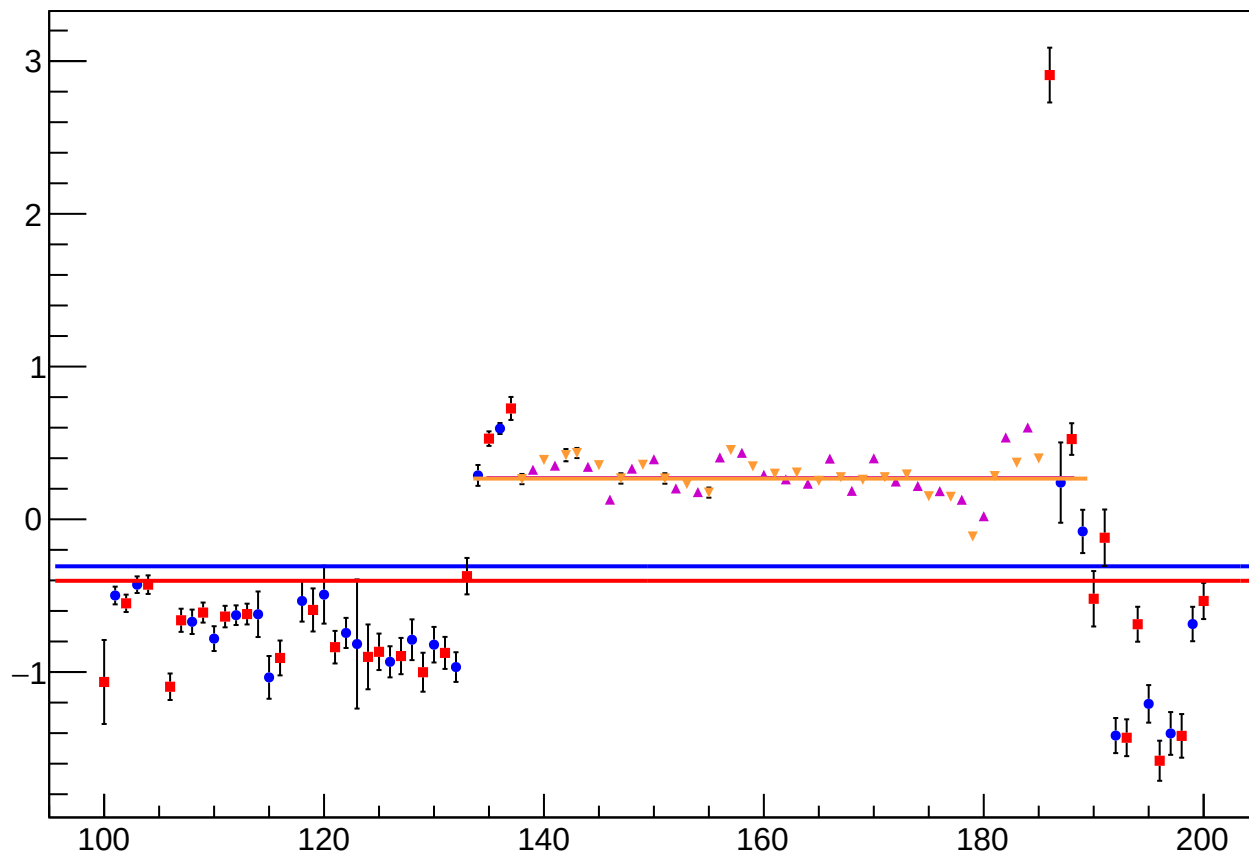
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.896 ± 0.092 χ^2/NDF : 4051.2/47

All: 0.889 ± 0.065 χ^2/NDF : 7101.4/98

- sign 0.881 ± 0.093 χ^2/NDF : 3050.2/50

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.308 ± 0.018 $\chi^2/\text{NDF}: 1198.8/22$

Left Out: 0.267 ± 0.004 $\chi^2/\text{NDF}: 699.8/24$

Right Out: -0.403 ± 0.017 $\chi^2/\text{NDF}: 1479.8/27$

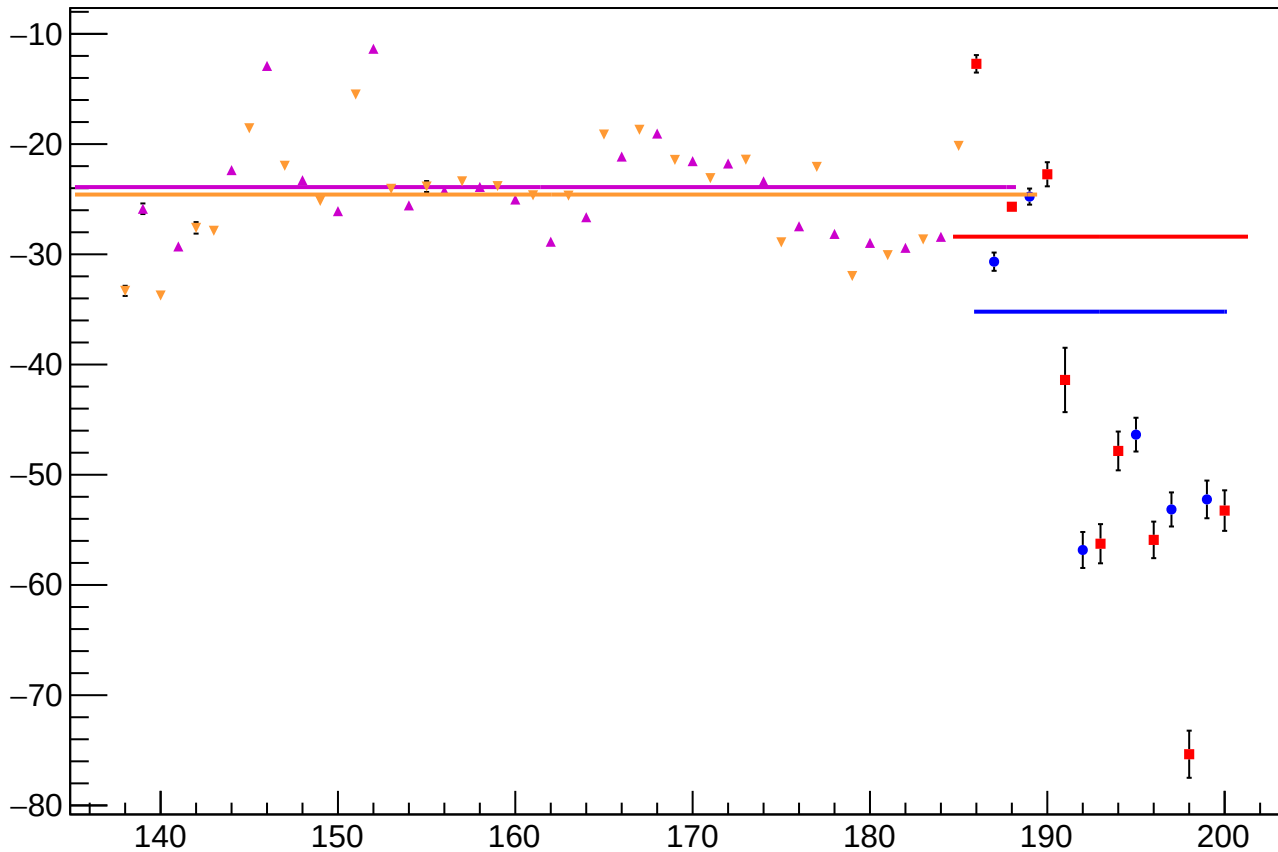
Left In: 0.270 ± 0.004 $\chi^2/\text{NDF}: 969.9/22$

+ sign 0.234 ± 0.004 $\chi^2/\text{NDF}: 2872.6/47$

All: 0.232 ± 0.003 $\chi^2/\text{NDF}: 6716.9/98$

- sign 0.230 ± 0.004 $\chi^2/\text{NDF}: 3843.8/50$

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -35.204 ± 0.452 χ^2/NDF : 696.5/5

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -28.398 ± 0.325 χ^2/NDF : 1784.6/8

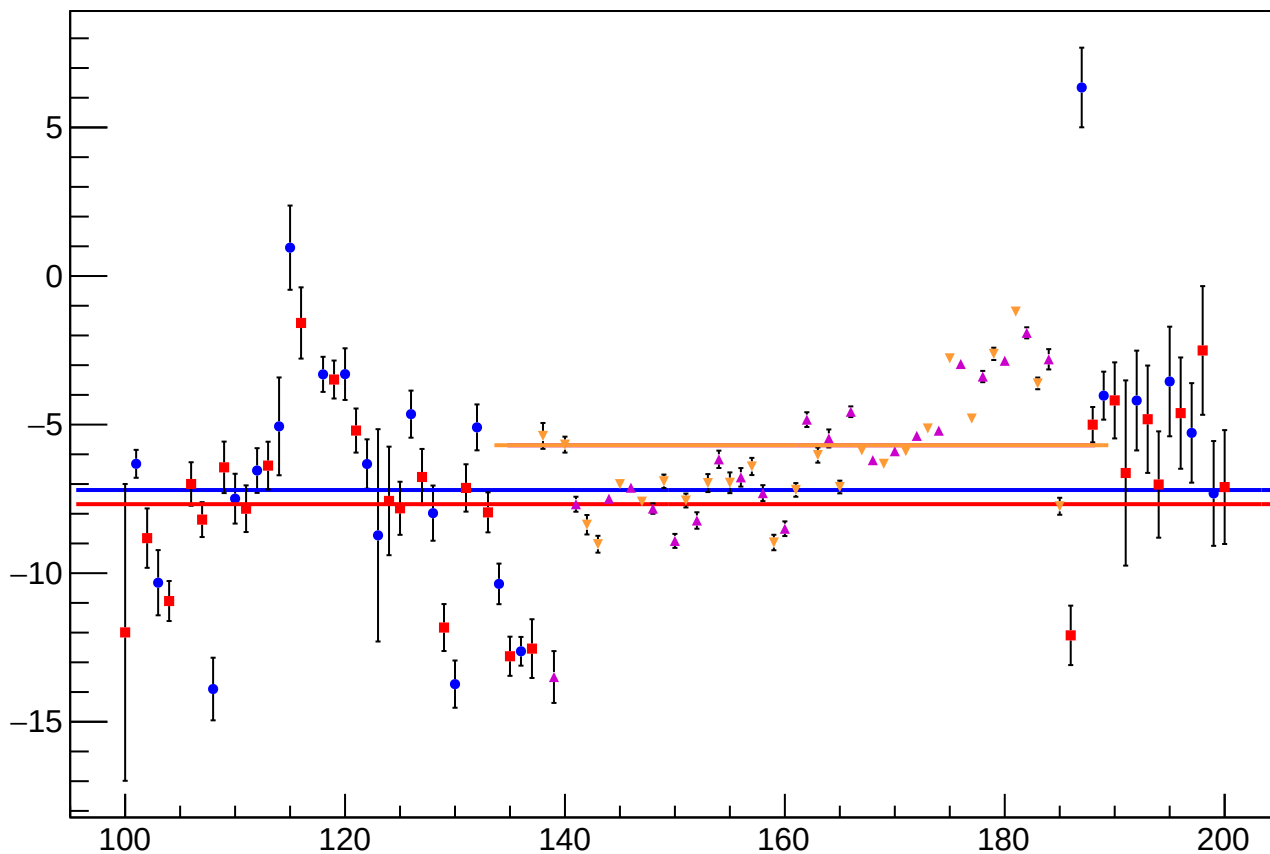
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.711 ± 0.051 χ^2/NDF : 9832.9/30

All: -24.359 ± 0.036 χ^2/NDF : 21055.1/62

- sign -24.009 ± 0.050 χ^2/NDF : 11126.0/31

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.202 ± 0.177 χ^2/NDF : 512.3/22

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.677 ± 0.170 χ^2/NDF : 284.1/27

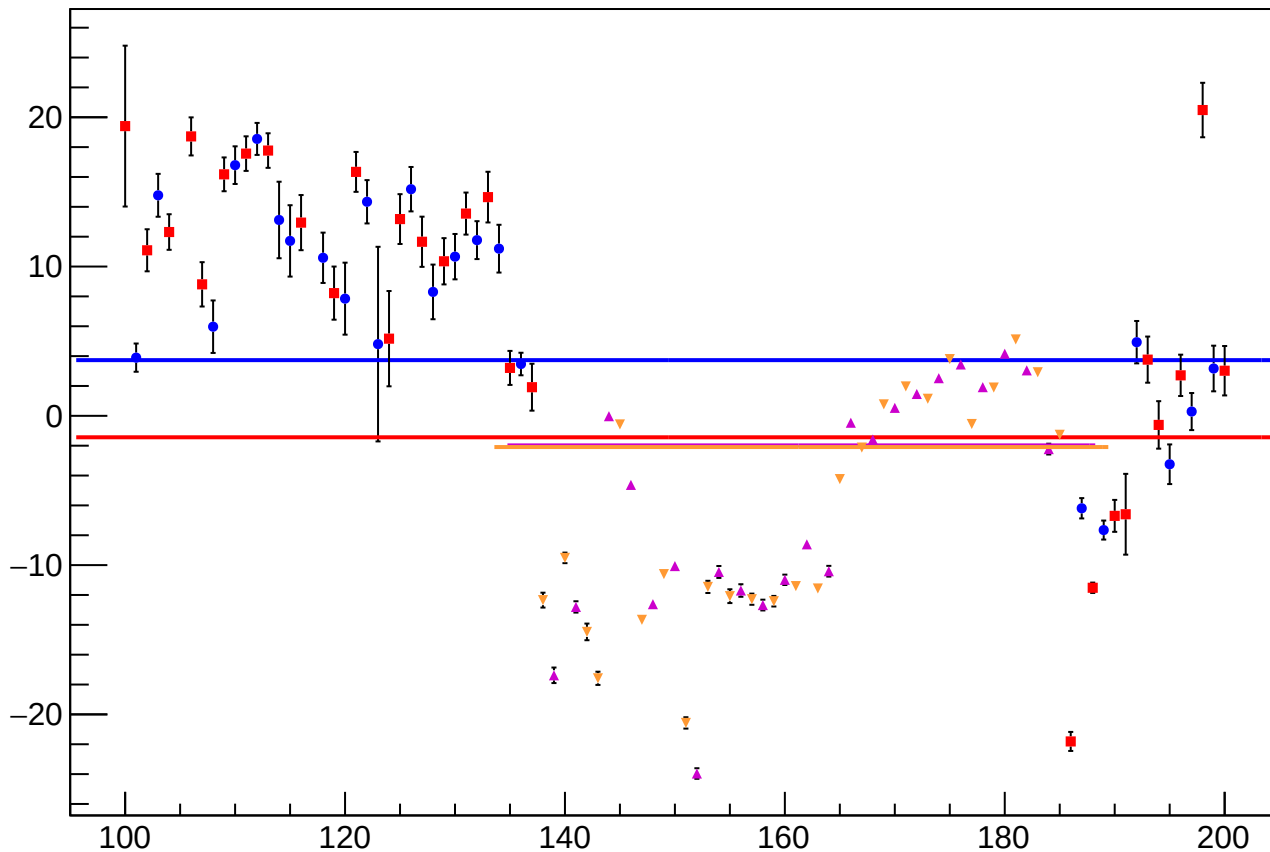
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.771 ± 0.040 χ^2/NDF : 2839.4/47

All: -5.788 ± 0.028 χ^2/NDF : 5562.8/98

- sign -5.805 ± 0.040 χ^2/NDF : 2723.0/50

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 3.730 ± 0.254 $\chi^2/\text{NDF}: 1174.0/22$

Left Out: -2.092 ± 0.051 $\chi^2/\text{NDF}: 16305.3/24$

Right Out: -1.438 ± 0.209 $\chi^2/\text{NDF}: 4073.0/27$

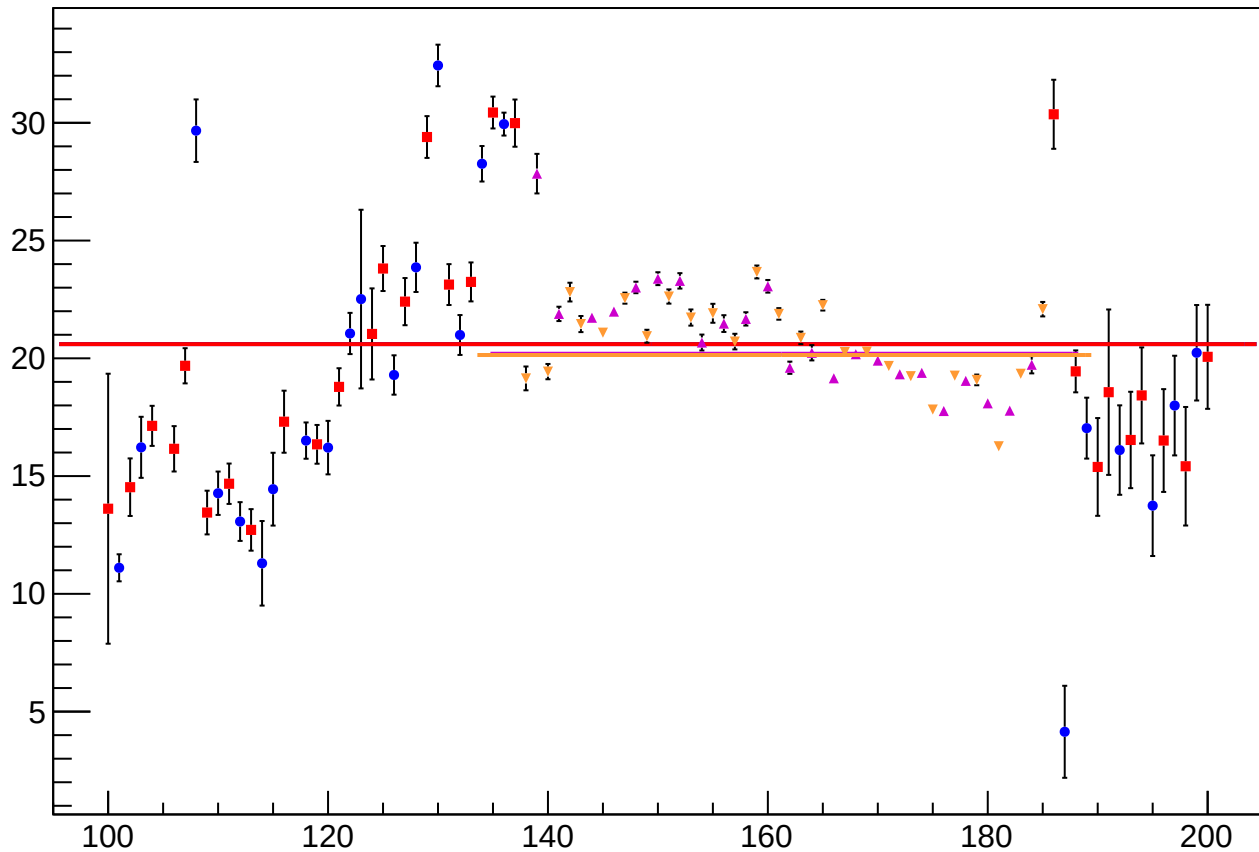
Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

+ sign -1.863 ± 0.050 $\chi^2/\text{NDF}: 17984.0/47$

All: -1.907 ± 0.035 $\chi^2/\text{NDF}: 37447.1/98$

- sign -1.950 ± 0.050 $\chi^2/\text{NDF}: 19461.6/50$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.605 $\pm$ 0.203 χ^2 /NDF: 1309.8/22

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

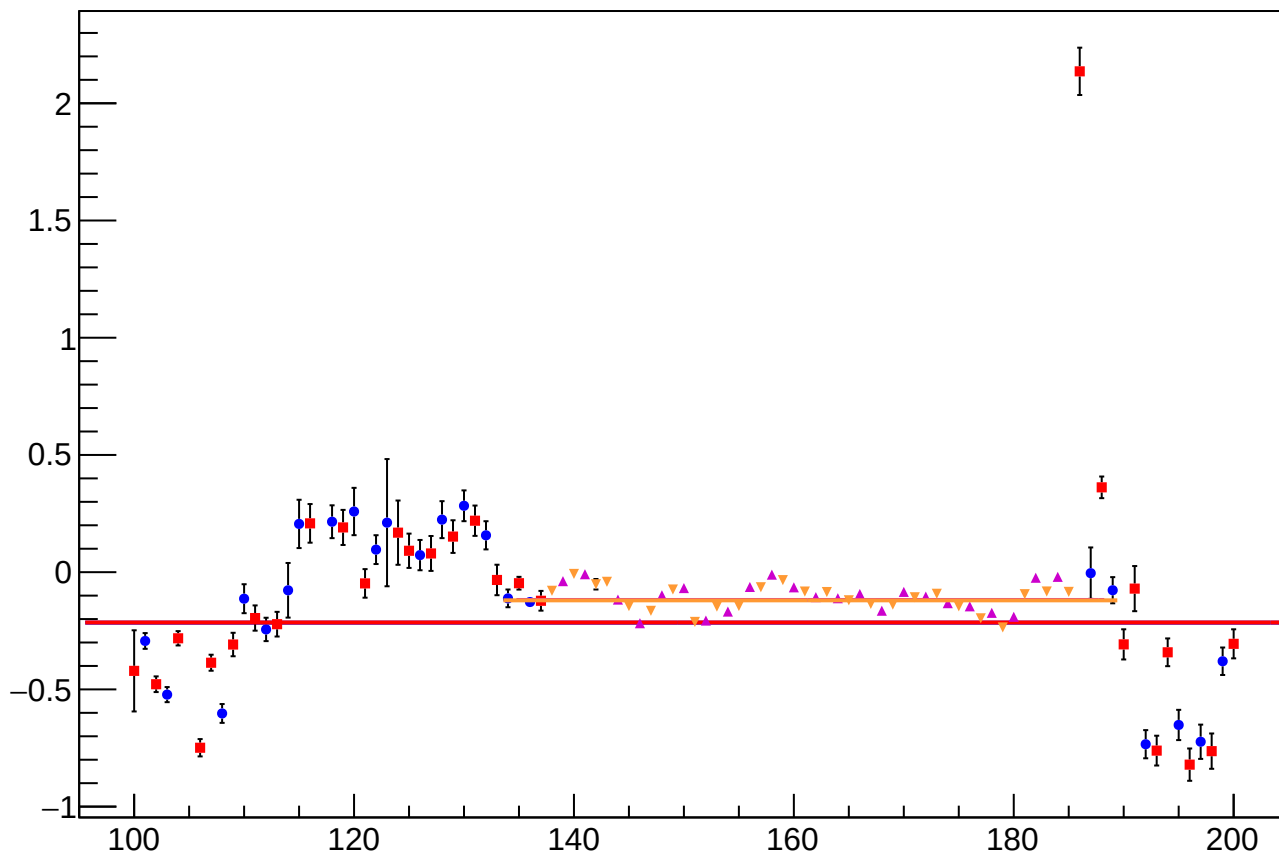
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.163 $\pm$ 0.045 χ^2 /NDF: 2733.9/47

All: 20.189 $\pm$ 0.032 χ^2 /NDF: 4973.2/98

- sign 20.215 $\pm$ 0.045 χ^2 /NDF: 2238.7/50

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.215 ± 0.010 χ^2/NDF : 658.1/22

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.215 ± 0.010 χ^2/NDF : 1447.5/27

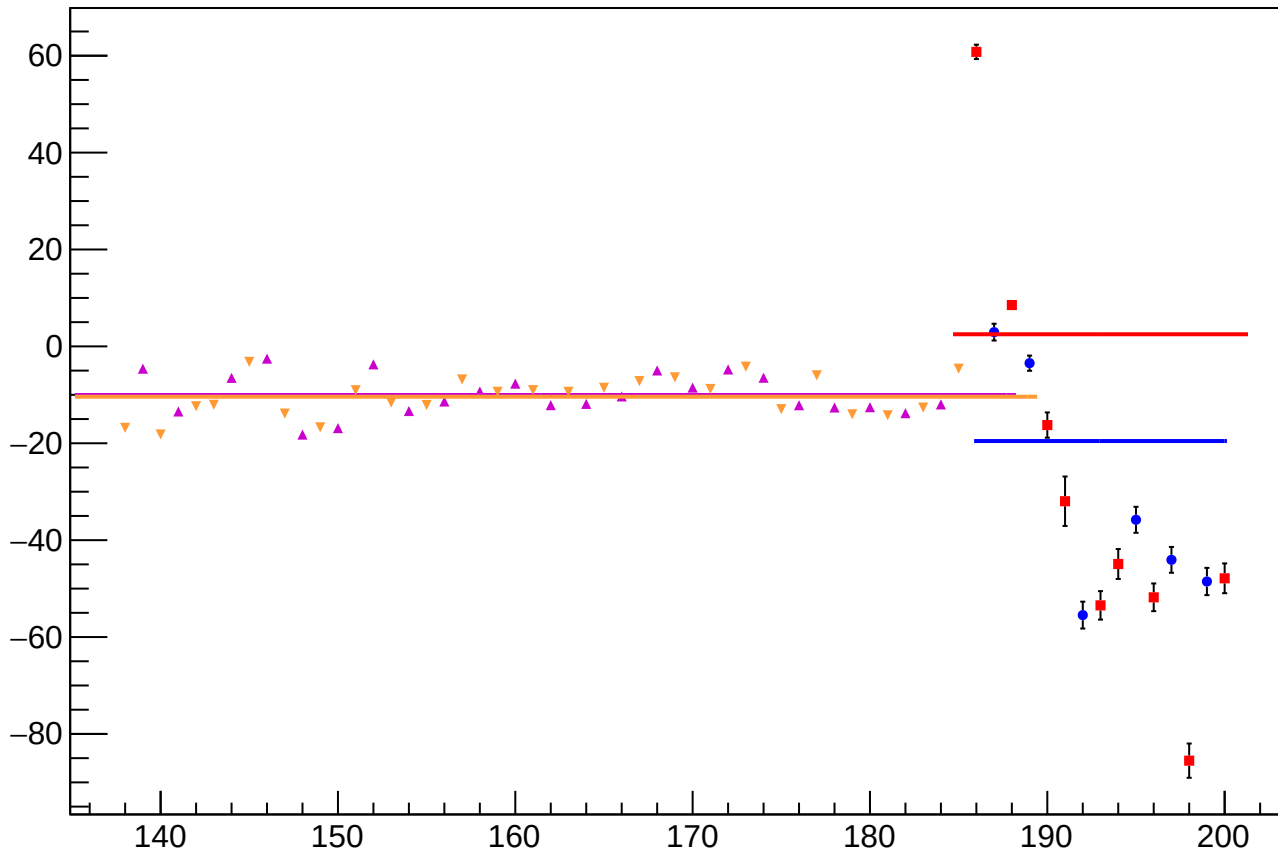
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.124 ± 0.002 χ^2/NDF : 1270.0/47

All: -0.123 ± 0.001 χ^2/NDF : 3530.9/98

- sign -0.123 ± 0.002 χ^2/NDF : 2260.8/50

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -19.541 ± 0.885 $\chi^2/\text{NDF}: 668.4/5$

Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$

Right Out: 2.502 ± 0.630 $\chi^2/\text{NDF}: 3530.8/8$

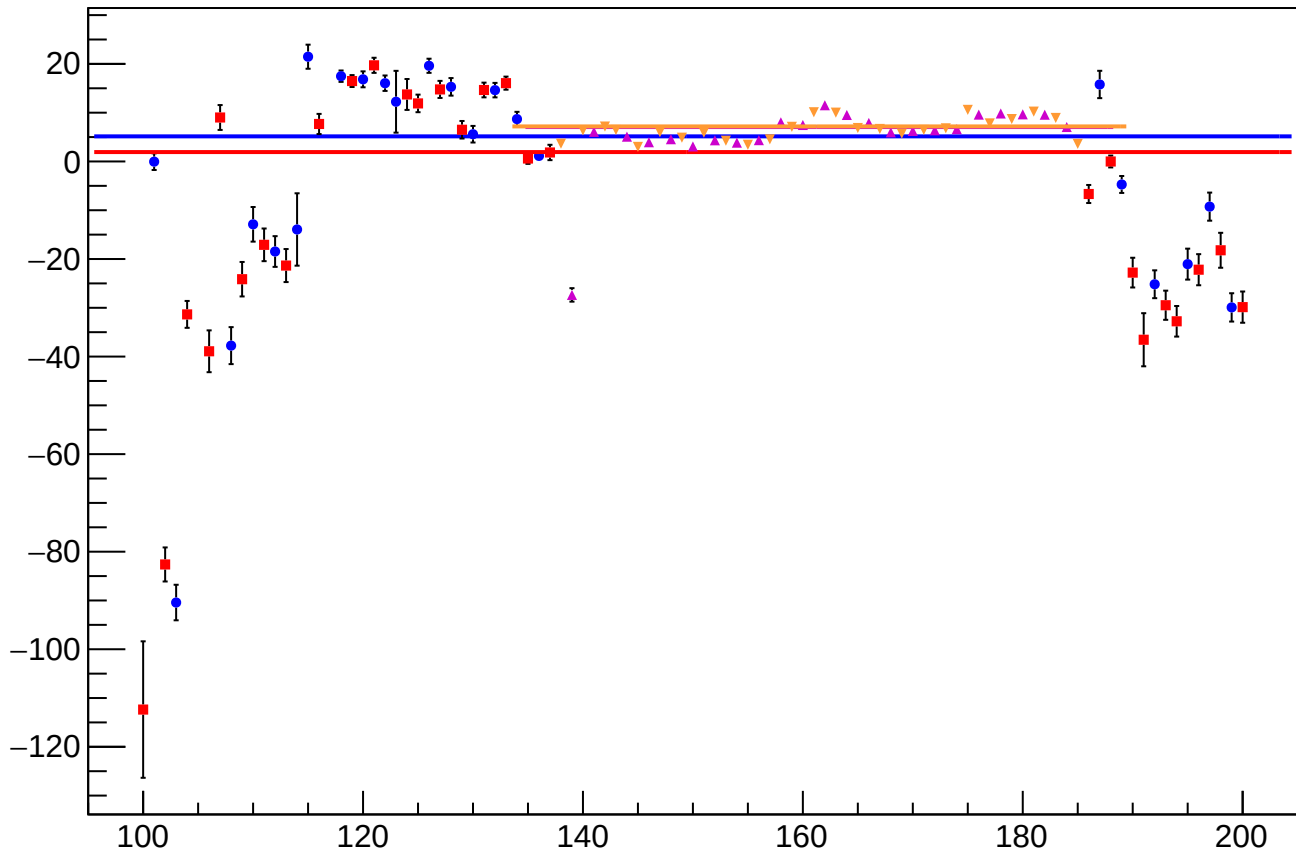
Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

+ sign -10.480 ± 0.087 $\chi^2/\text{NDF}: 2885.7/30$

All: -10.138 ± 0.062 $\chi^2/\text{NDF}: 8594.8/62$

- sign -9.787 ± 0.089 $\chi^2/\text{NDF}: 5678.1/31$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 5.145 ± 0.379 χ^2/NDF : 1772.3/22

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 1.924 ± 0.381 χ^2/NDF : 2162.4/27

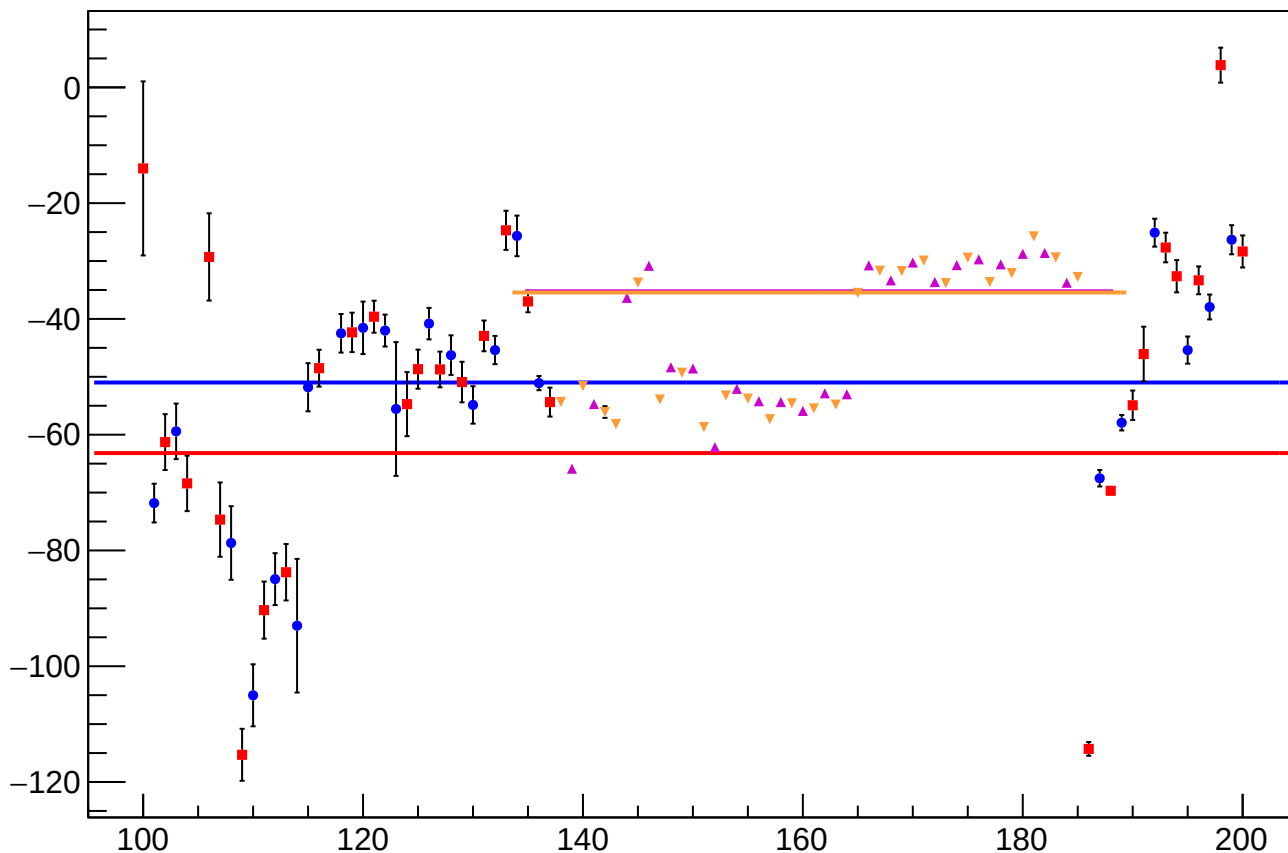
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.110 ± 0.072 χ^2/NDF : 2717.6/47

All: 6.989 ± 0.051 χ^2/NDF : 6595.9/98

- sign 6.865 ± 0.073 χ^2/NDF : 3872.7/50

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -50.986 ± 0.527 χ^2/NDF : 745.3/22

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -63.175 ± 0.436 χ^2/NDF : 3881.4/27

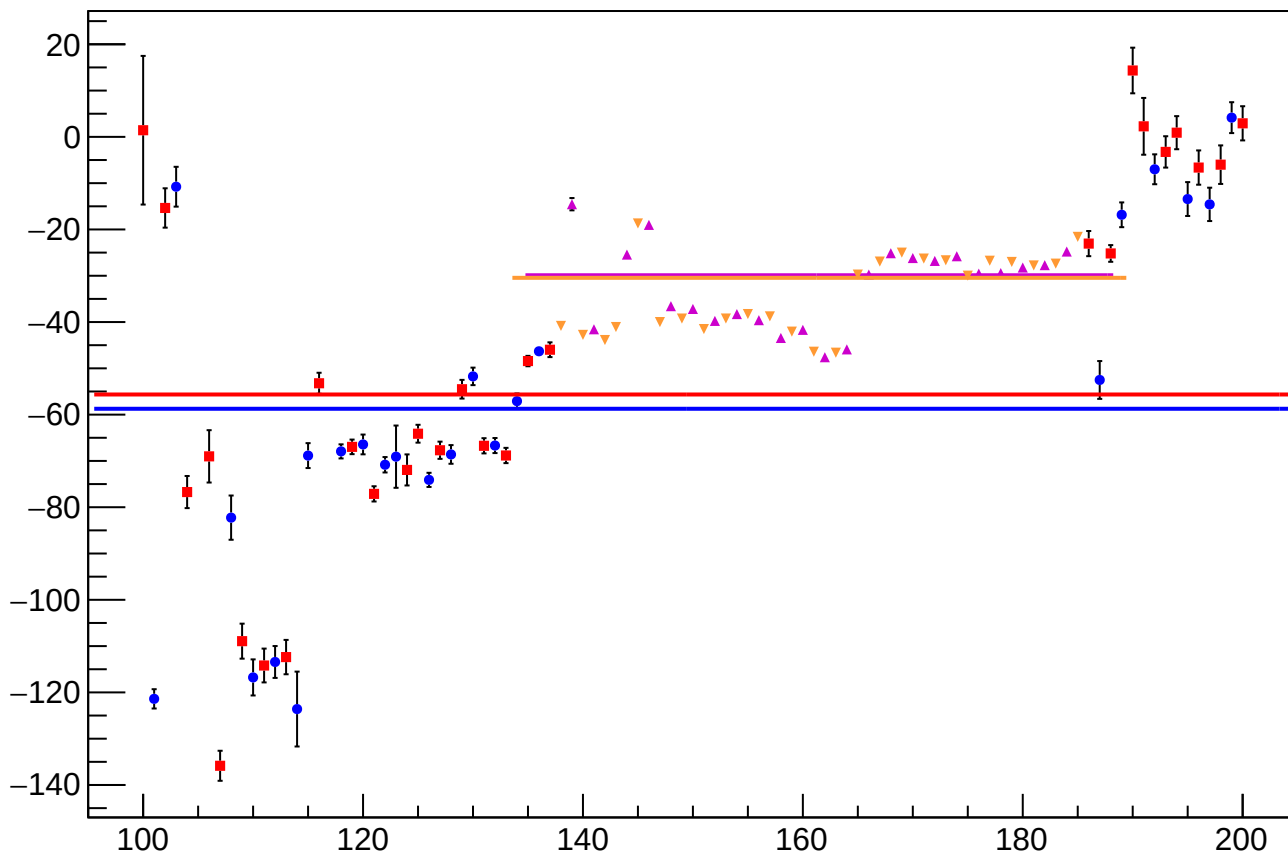
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.865 ± 0.088 χ^2/NDF : 14374.3/47

All: -36.117 ± 0.062 χ^2/NDF : 33808.0/98

- sign -36.371 ± 0.088 χ^2/NDF : 19417.2/50

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -58.733 ± 0.427 $\chi^2/\text{NDF}: 3282.2/22$

Left Out: -30.448 ± 0.082 $\chi^2/\text{NDF}: 8167.7/24$

Right Out: -55.649 ± 0.441 $\chi^2/\text{NDF}: 3721.0/27$

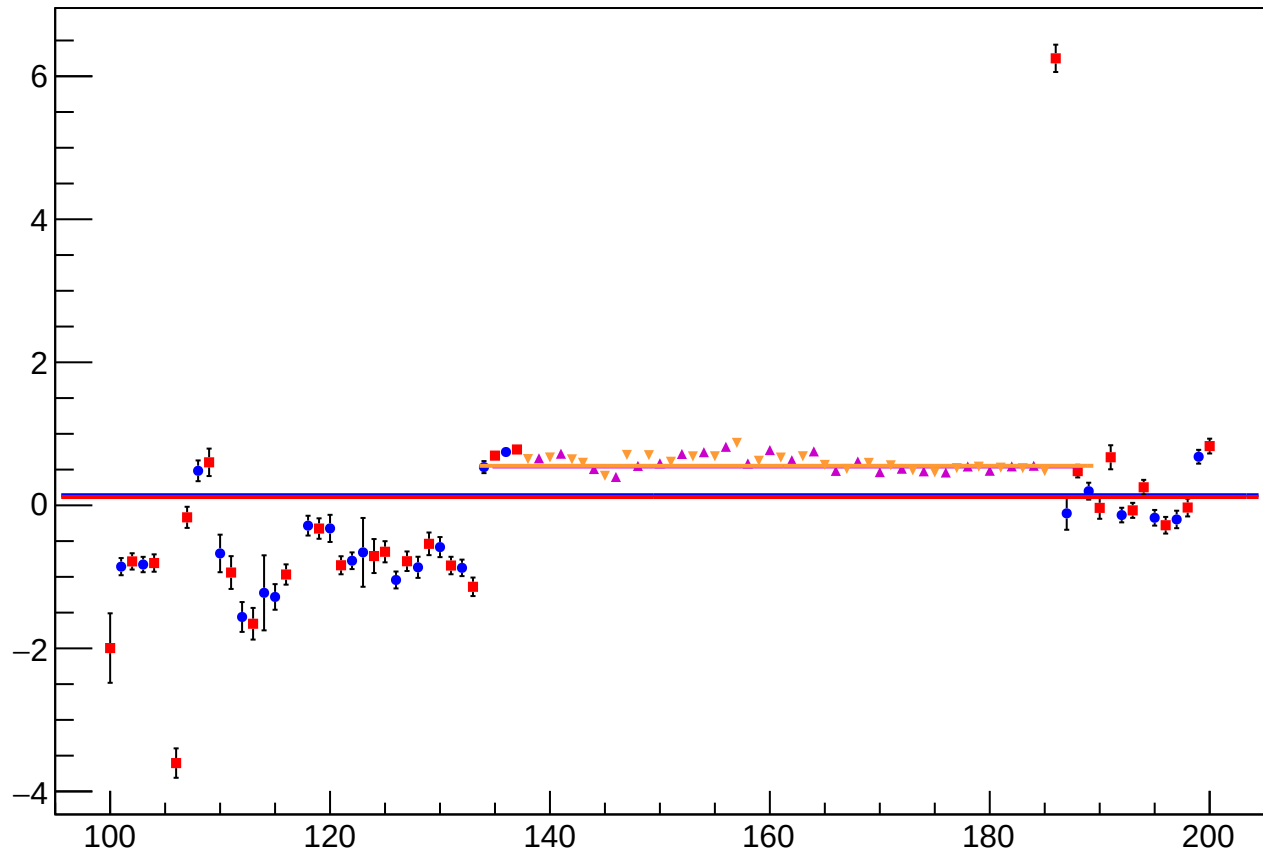
Left In: -29.892 ± 0.083 $\chi^2/\text{NDF}: 7115.0/22$

+ sign -31.444 ± 0.080 $\chi^2/\text{NDF}: 15689.4/47$

All: -31.110 ± 0.057 $\chi^2/\text{NDF}: 29862.9/98$

- sign -30.766 ± 0.081 $\chi^2/\text{NDF}: 14138.1/50$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.021 $\chi^2/\text{NDF}: 1043.5/22$

Left Out: 0.553 ± 0.004 $\chi^2/\text{NDF}: 542.1/24$

Right Out: 0.116 ± 0.022 $\chi^2/\text{NDF}: 2327.4/27$

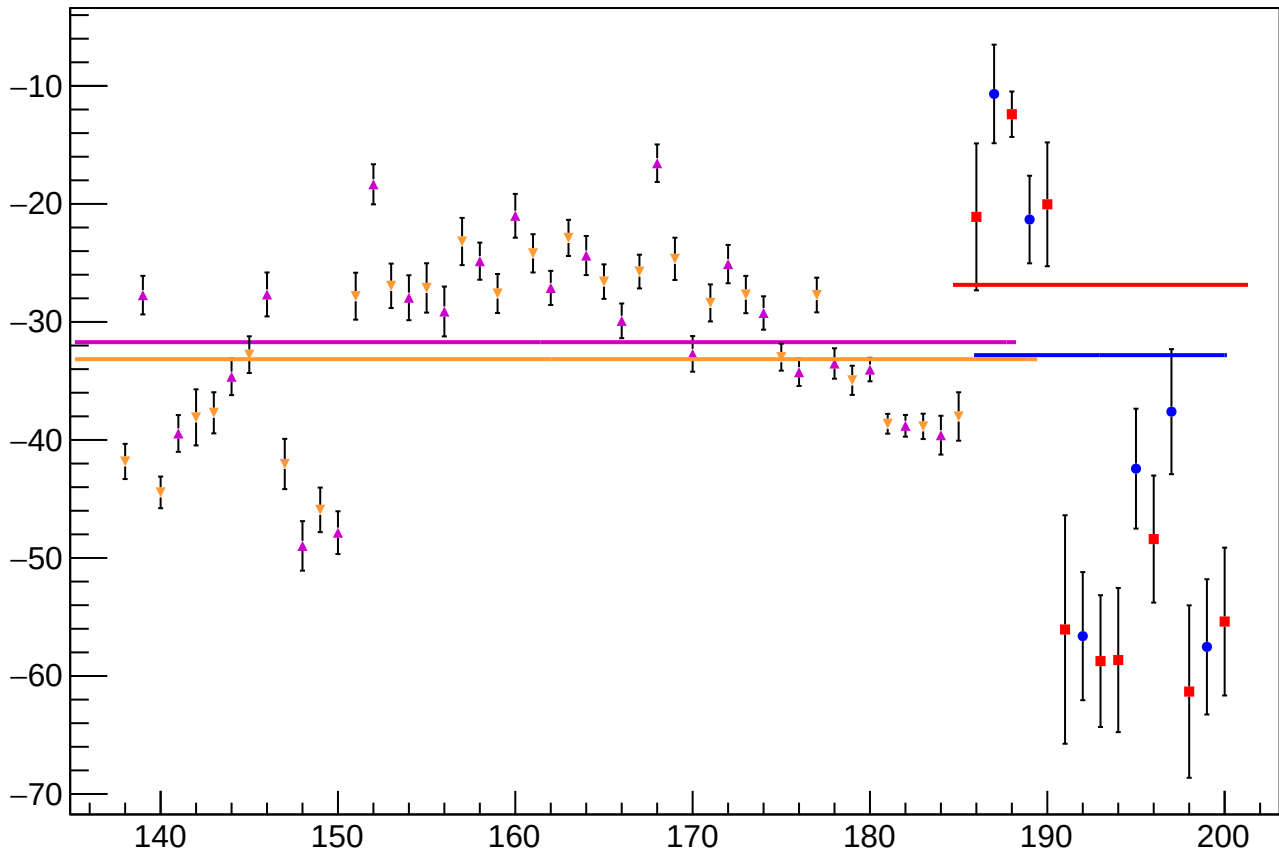
Left In: 0.544 ± 0.004 $\chi^2/\text{NDF}: 655.9/22$

+ sign 0.541 ± 0.004 $\chi^2/\text{NDF}: 1942.3/47$

All: 0.536 ± 0.003 $\chi^2/\text{NDF}: 5300.2/98$

- sign 0.531 ± 0.004 $\chi^2/\text{NDF}: 3354.5/50$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -32.813 ± 1.929 $\chi^2/\text{NDF}: 79.9/5$

Left Out: -33.157 ± 0.300 $\chi^2/\text{NDF}: 500.1/24$

Right Out: -26.858 ± 1.443 $\chi^2/\text{NDF}: 186.8/8$

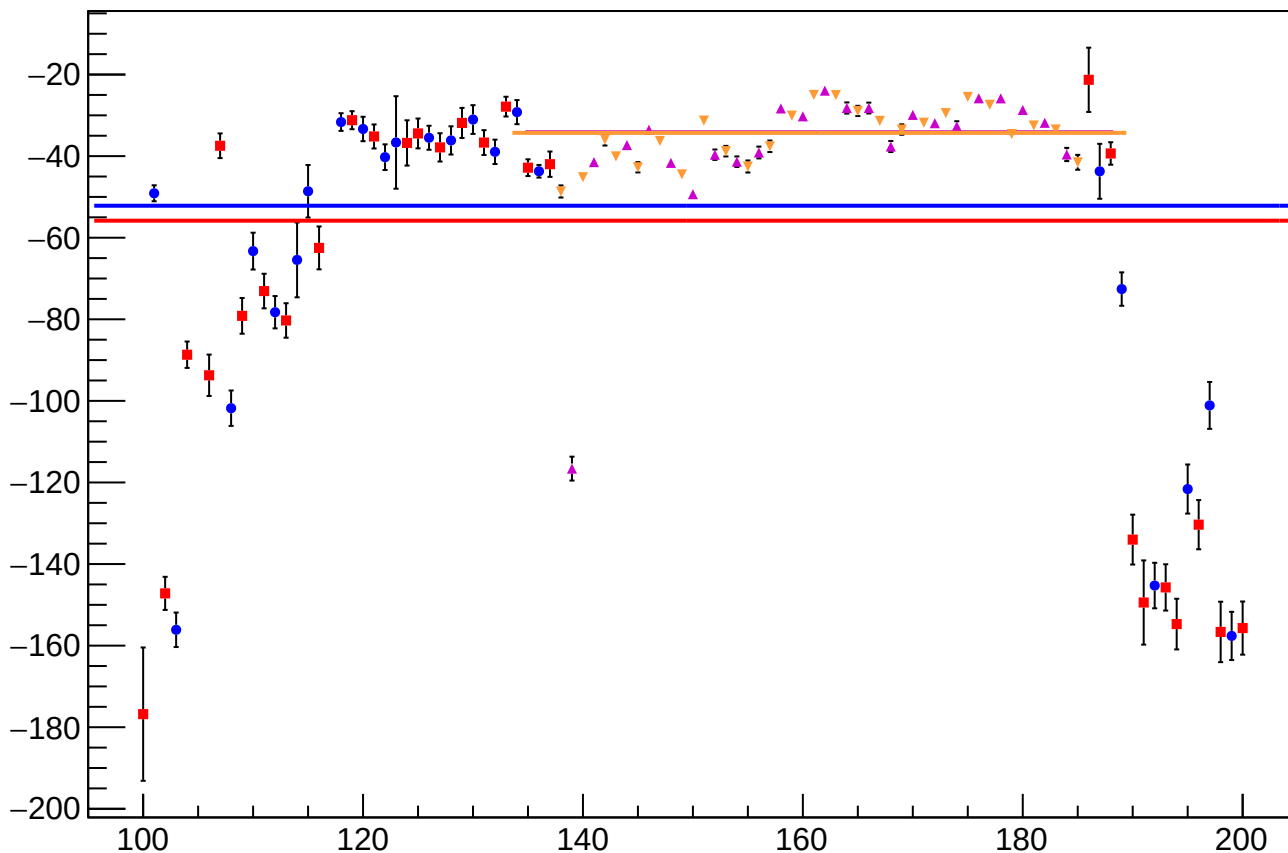
Left In: -31.714 ± 0.309 $\chi^2/\text{NDF}: 542.3/22$

+ sign -33.149 ± 0.297 $\chi^2/\text{NDF}: 580.0/30$

All: -32.340 ± 0.212 $\chi^2/\text{NDF}: 1335.1/62$

- sign -31.501 ± 0.302 $\chi^2/\text{NDF}: 739.9/31$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.158 ± 0.694 χ^2/NDF : 1963.2/22

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -55.822 ± 0.703 χ^2/NDF : 2737.7/27

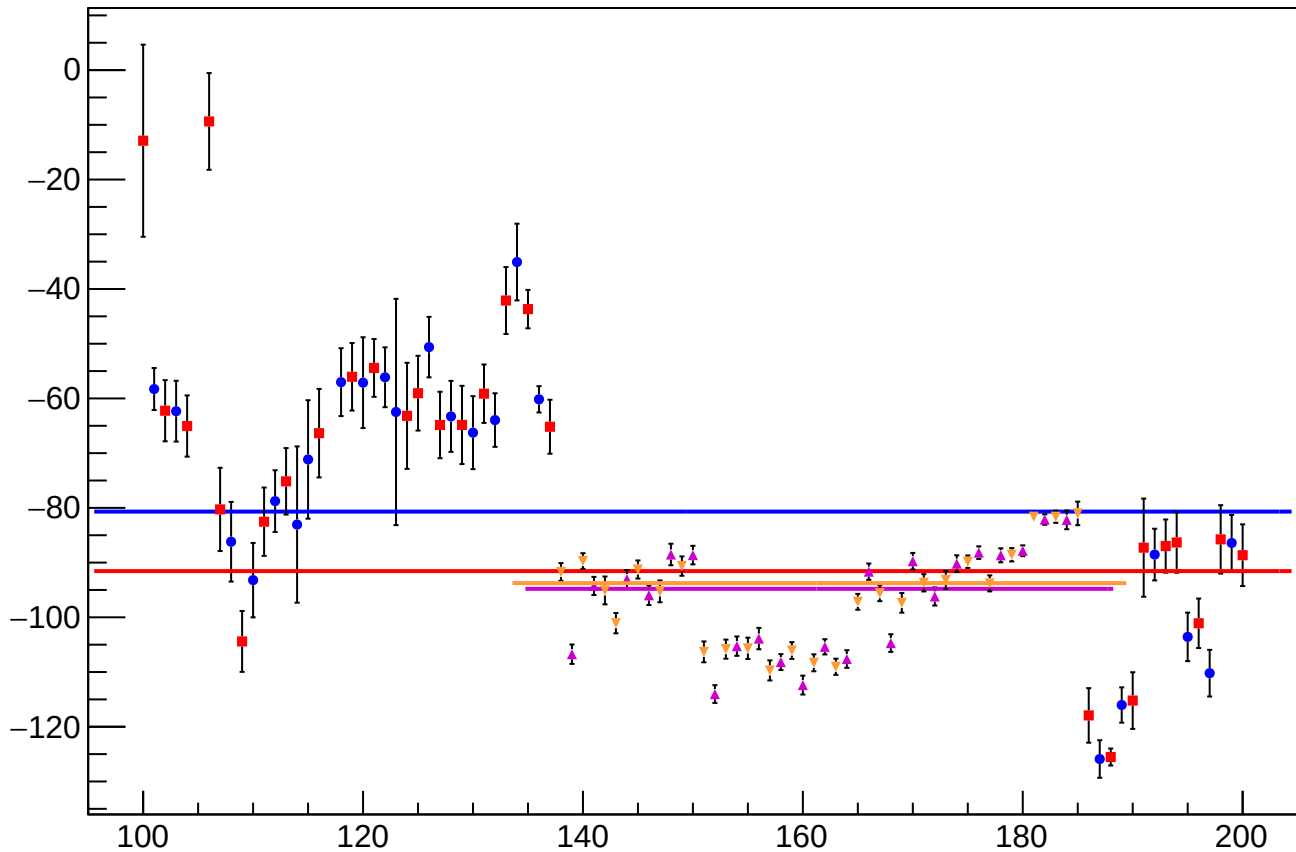
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -36.215 ± 0.228 χ^2/NDF : 3249.5/47

All: -36.396 ± 0.164 χ^2/NDF : 8283.7/98

- sign -36.590 ± 0.236 χ^2/NDF : 5032.9/50

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -80.680 ± 1.028 χ^2/NDF : 634.3/22

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -91.553 ± 0.909 χ^2/NDF : 1183.7/27

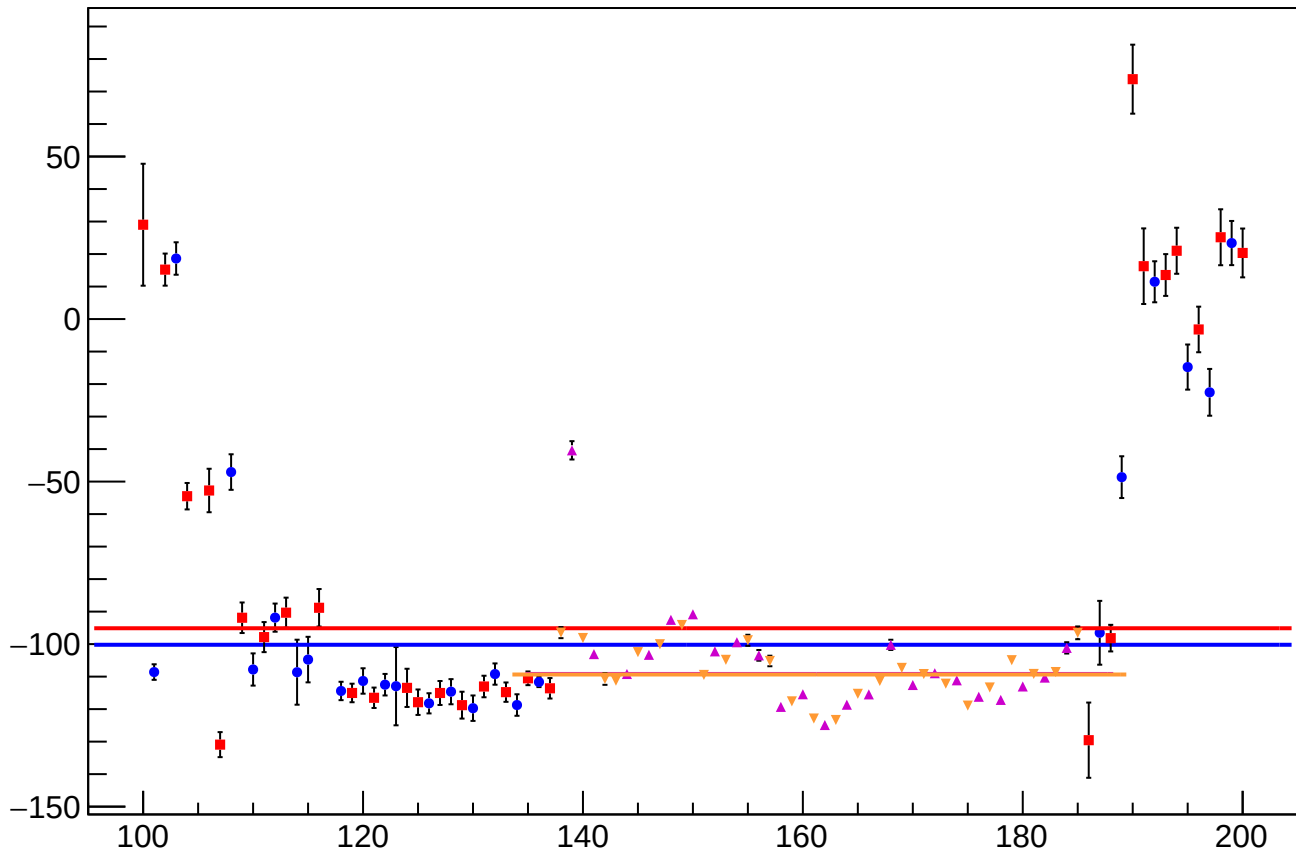
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.717 ± 0.290 χ^2/NDF : 1666.3/47

All: -93.581 ± 0.206 χ^2/NDF : 3854.1/98

- sign -94.461 ± 0.292 χ^2/NDF : 2169.9/50

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -100.204 ± 0.787 χ^2/NDF : 1870.6/22

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -95.121 ± 0.810 χ^2/NDF : 2646.8/27

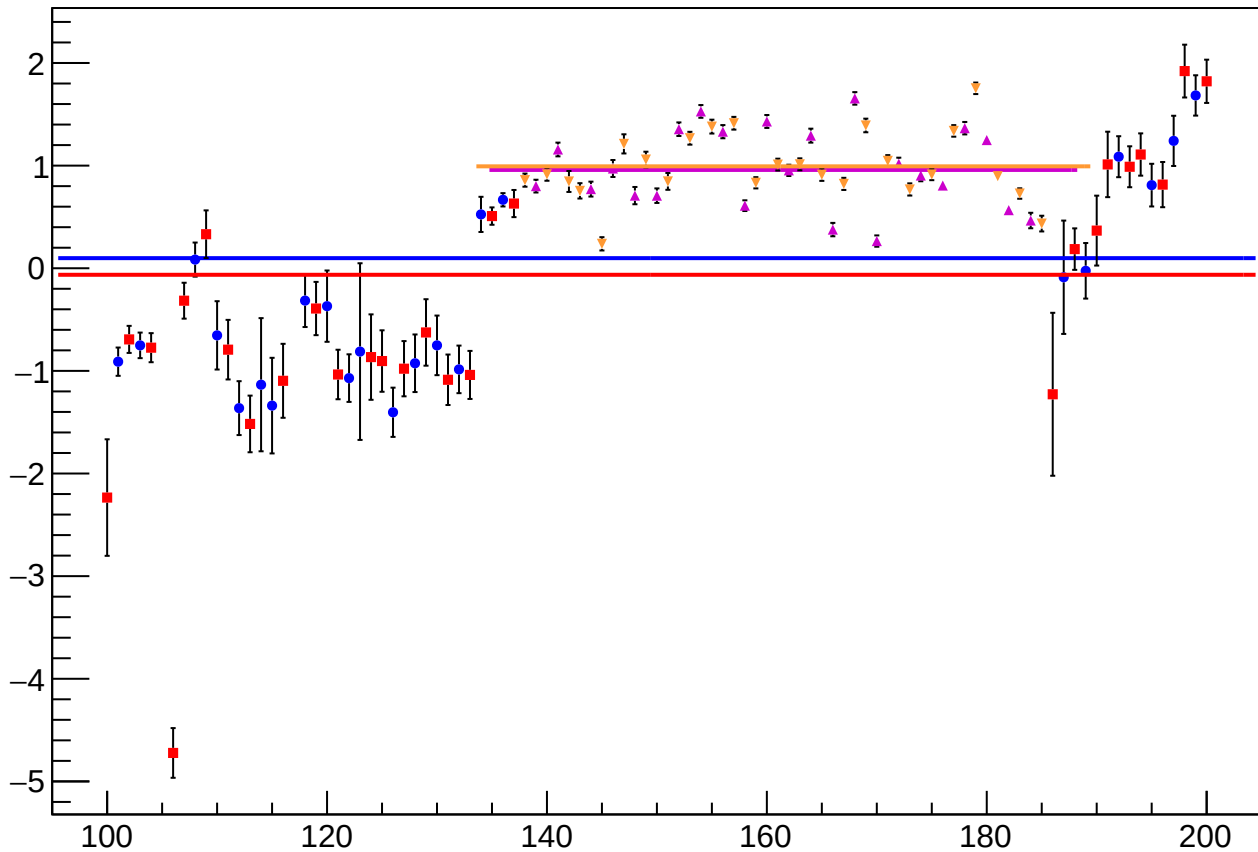
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -108.380 ± 0.256 χ^2/NDF : 2818.2/47

All: -108.043 ± 0.184 χ^2/NDF : 7238.8/98

- sign -107.685 ± 0.265 χ^2/NDF : 4417.0/50

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.098 $\pm$ 0.039 χ^2 /NDF: 469.6/22

Left Out: 0.993 $\pm$ 0.012 χ^2 /NDF: 638.6/24

Right Out: -0.064 $\pm$ 0.039 χ^2 /NDF: 864.1/27

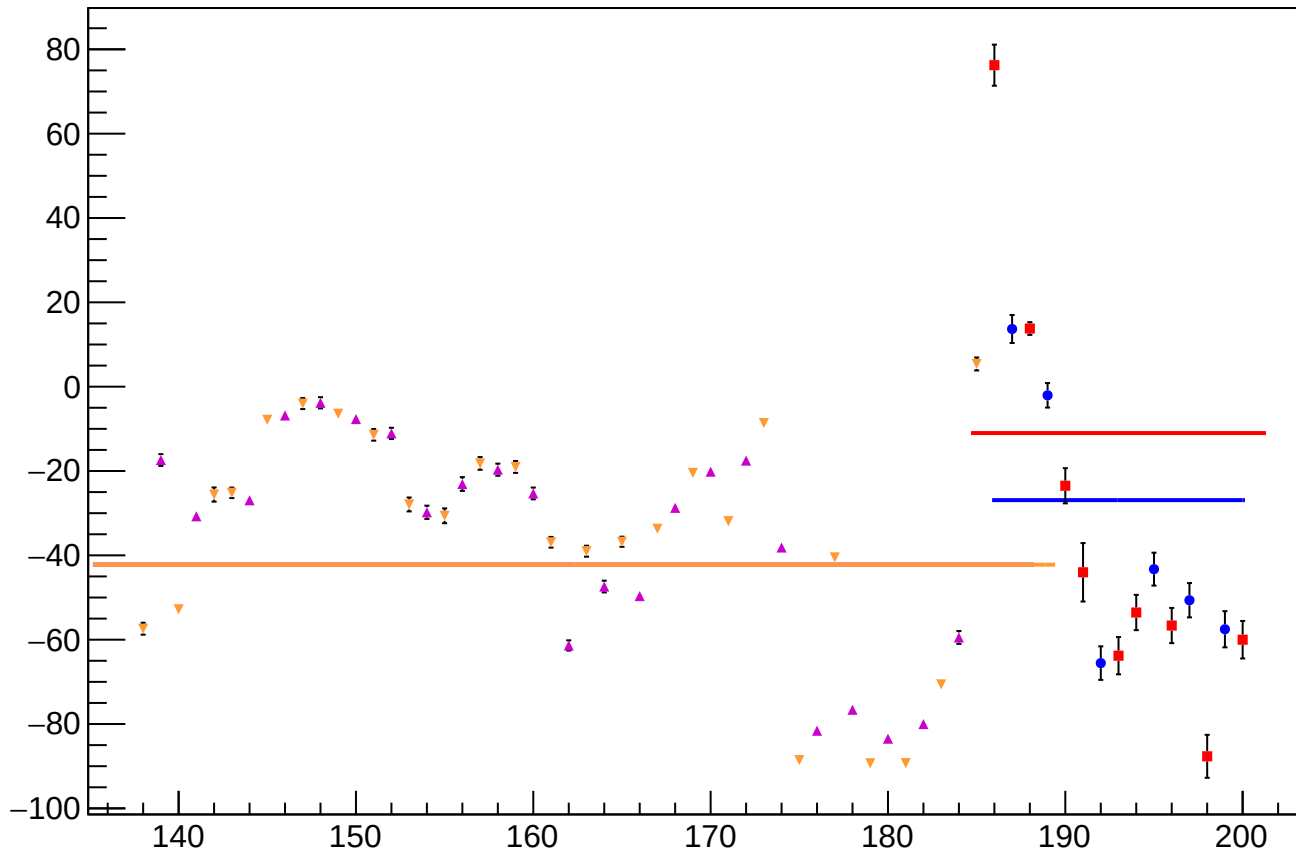
Left In: 0.958 $\pm$ 0.013 χ^2 /NDF: 894.5/22

+ sign 0.910 $\pm$ 0.012 χ^2 /NDF: 1592.1/47

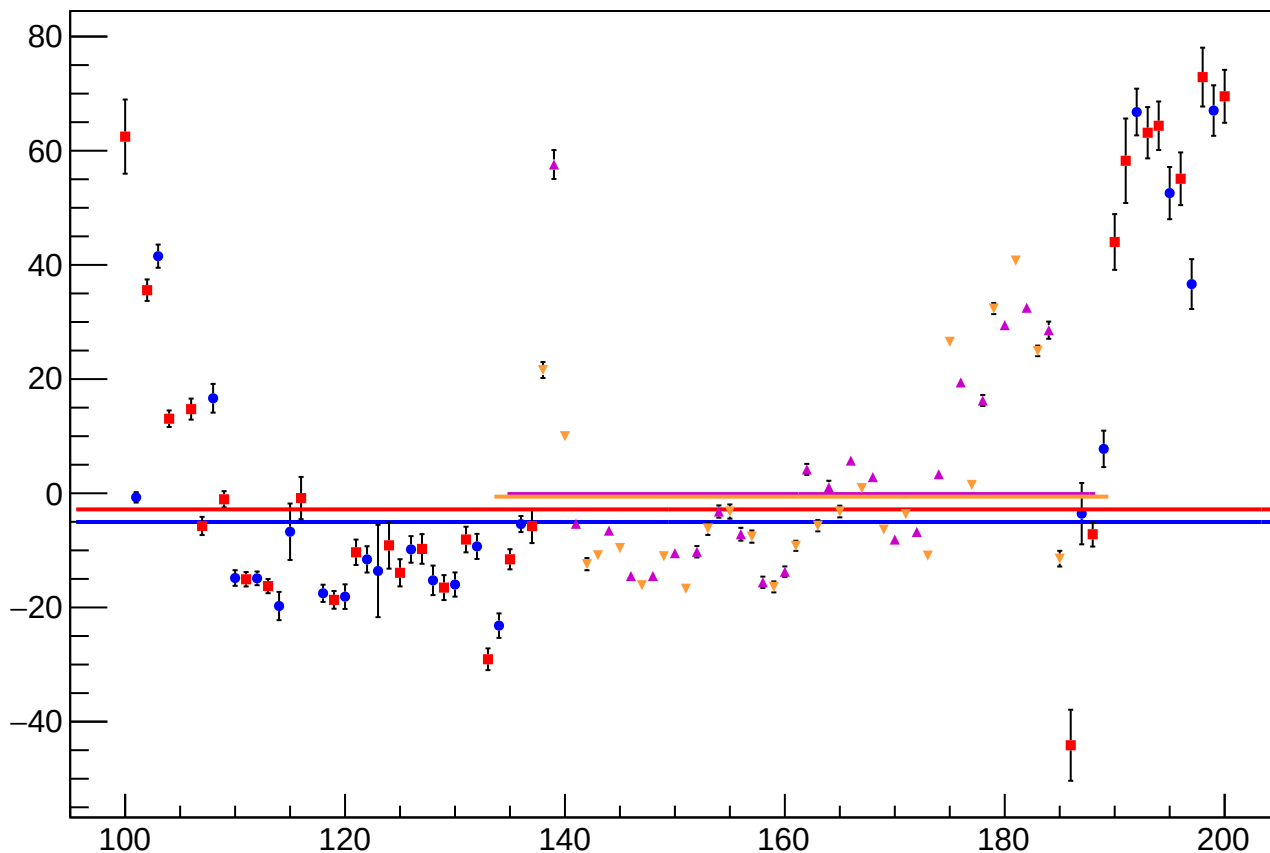
All: 0.885 $\pm$ 0.008 χ^2 /NDF: 3988.4/98

- sign 0.859 $\pm$ 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: -5.030 ± 0.418 $\chi^2/\text{NDF}: 1853.0/22$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: -2.820 ± 0.410 $\chi^2/\text{NDF}: 2642.4/27$

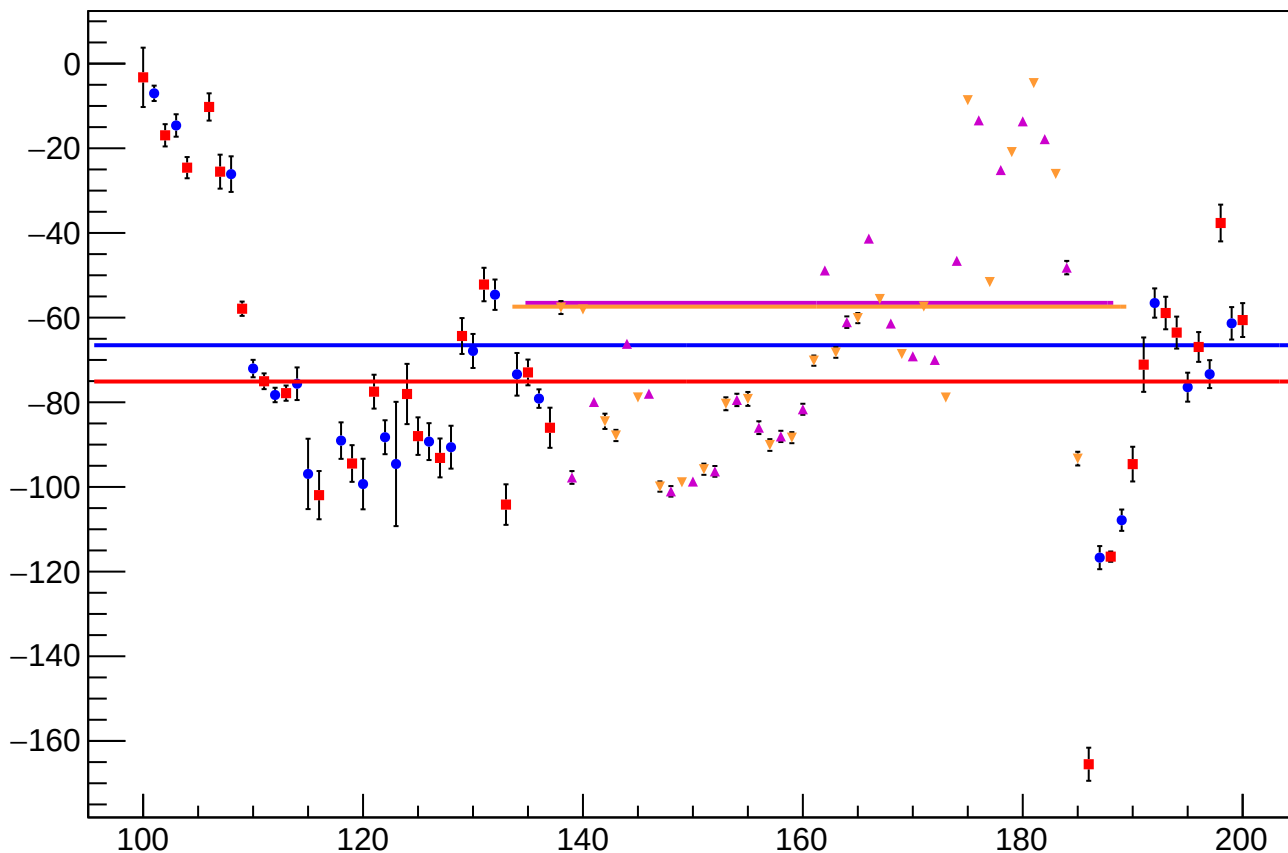
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -1.248 ± 0.161 $\chi^2/\text{NDF}: 10700.2/47$

All: -0.917 ± 0.115 $\chi^2/\text{NDF}: 20249.7/98$

- sign -0.572 ± 0.164 $\chi^2/\text{NDF}: 9540.8/50$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.524 ± 0.644 χ^2/NDF : 2438.9/22

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -75.096 ± 0.562 χ^2/NDF : 3645.3/27

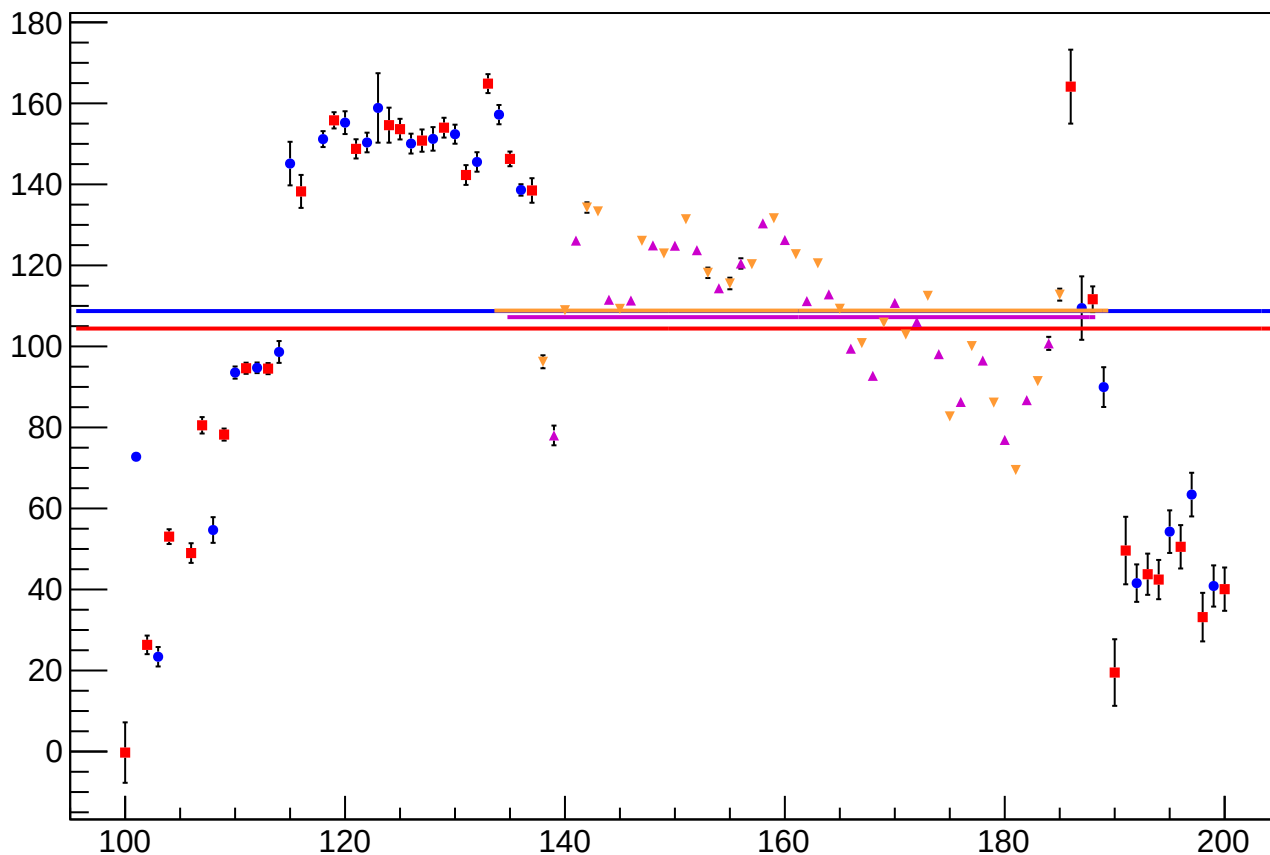
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.391 ± 0.211 χ^2/NDF : 21221.7/47

All: -58.760 ± 0.149 χ^2/NDF : 42165.8/98

- sign -59.128 ± 0.211 χ^2/NDF : 20937.9/50

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 108.725 $\pm$ 0.478 χ^2 /NDF: 6469.2/22

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

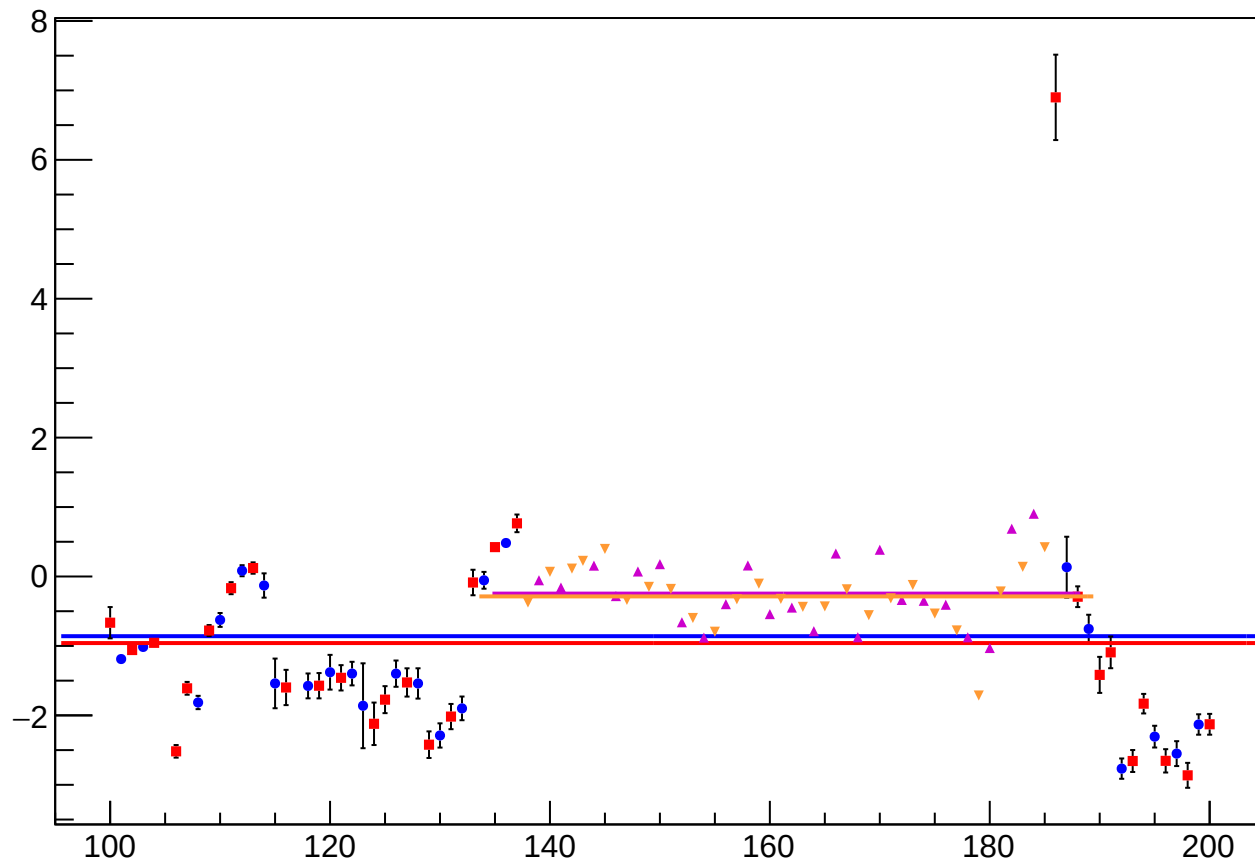
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.828 $\pm$ 0.182 χ^2 /NDF: 13869.5/47

All: 107.827 $\pm$ 0.130 χ^2 /NDF: 27493.0/98

- sign 106.786 $\pm$ 0.186 χ^2 /NDF: 13562.0/50

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.860 ± 0.024 χ^2/NDF : 1455.7/22

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.959 ± 0.023 χ^2/NDF : 1953.5/27

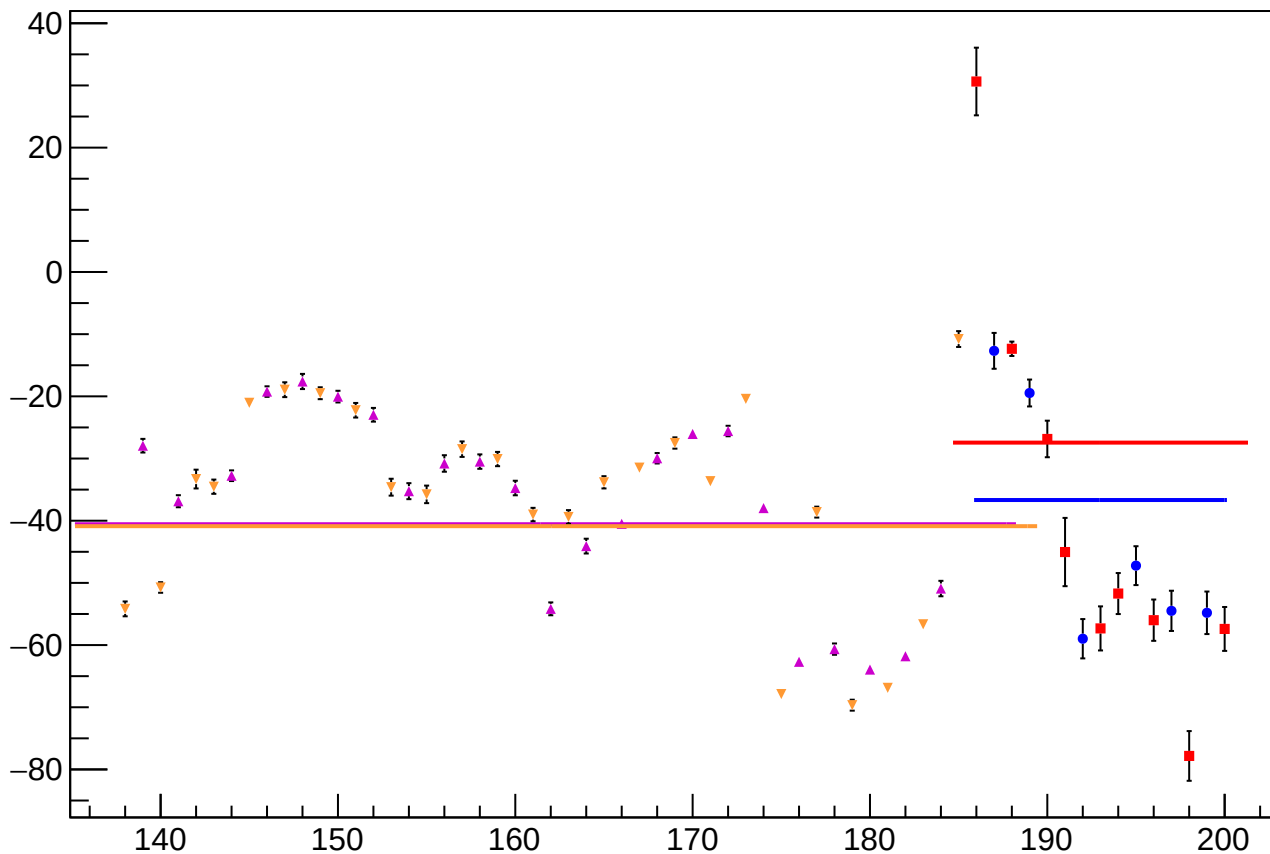
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.357 ± 0.009 χ^2/NDF : 3995.6/47

All: -0.353 ± 0.006 χ^2/NDF : 9595.2/98

- sign -0.349 ± 0.009 χ^2/NDF : 5599.2/50

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -36.673 ± 1.180 χ^2/NDF : 252.3/5

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -27.440 ± 0.865 χ^2/NDF : 725.0/8

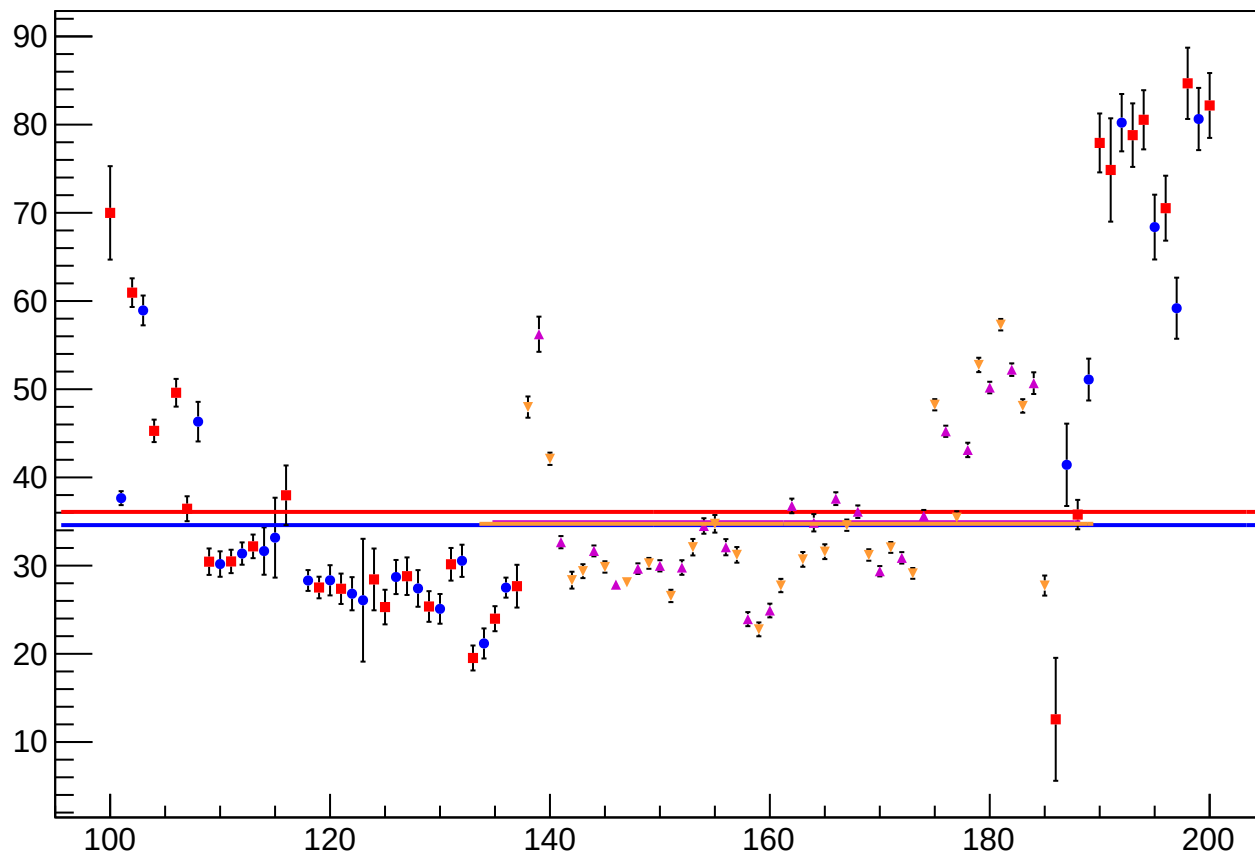
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.778 ± 0.184 χ^2/NDF : 9387.9/30

All: -40.374 ± 0.131 χ^2/NDF : 17297.2/62

- sign -39.963 ± 0.185 χ^2/NDF : 7899.6/31

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 34.593+/-0.362 χ^2/NDF : 1039.0/22

Left Out: 34.741+/-0.147 χ^2/NDF : 3693.2/24

Right Out: 36.089+/-0.357 χ^2/NDF : 1751.0/27

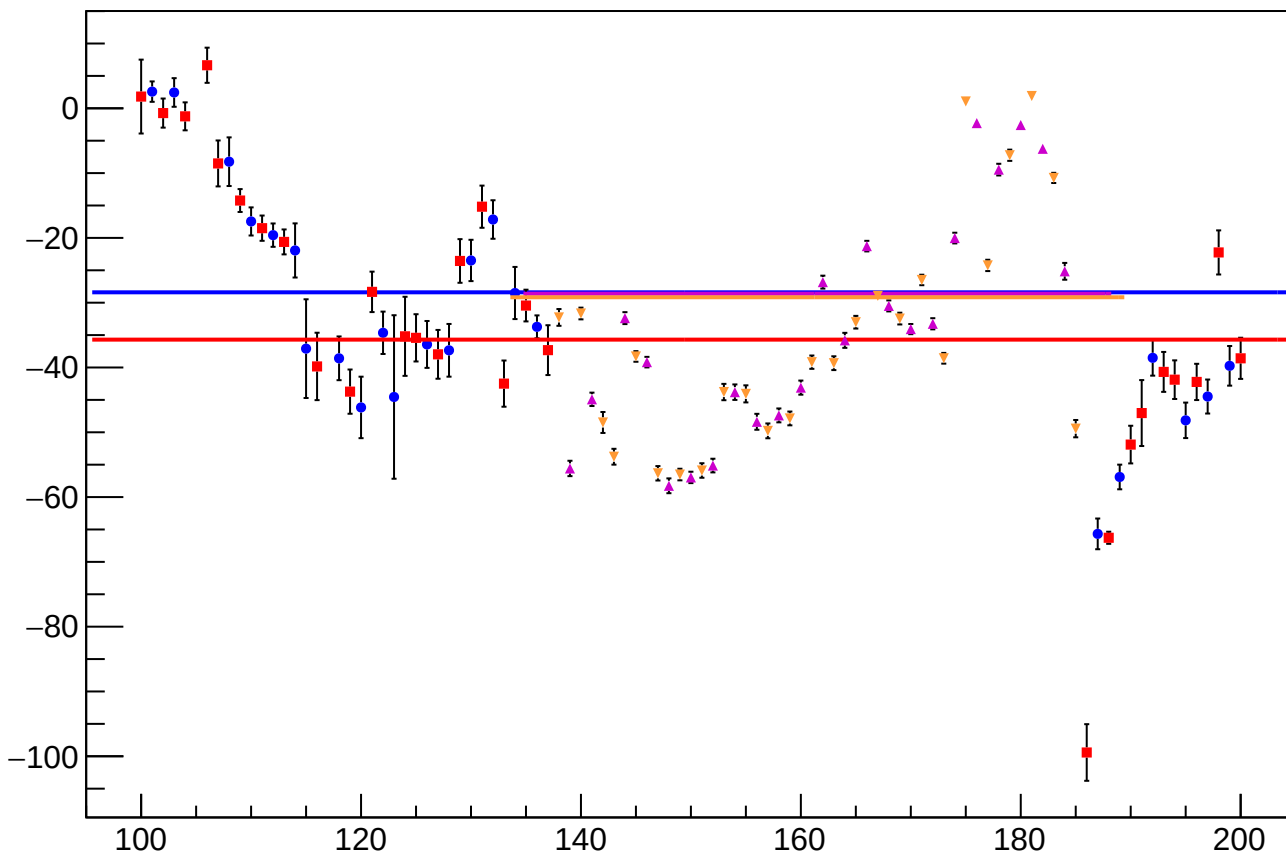
Left In: 34.922+/-0.152 χ^2/NDF : 2672.9/22

+ sign 34.720+/-0.137 χ^2/NDF : 4732.3/47

All: 34.906+/-0.098 χ^2/NDF : 9169.0/98

- sign 35.100+/-0.140 χ^2/NDF : 4433.0/50

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -28.399 ± 0.558 χ^2/NDF : 1316.8/22

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -35.700 ± 0.483 χ^2/NDF : 2552.5/27

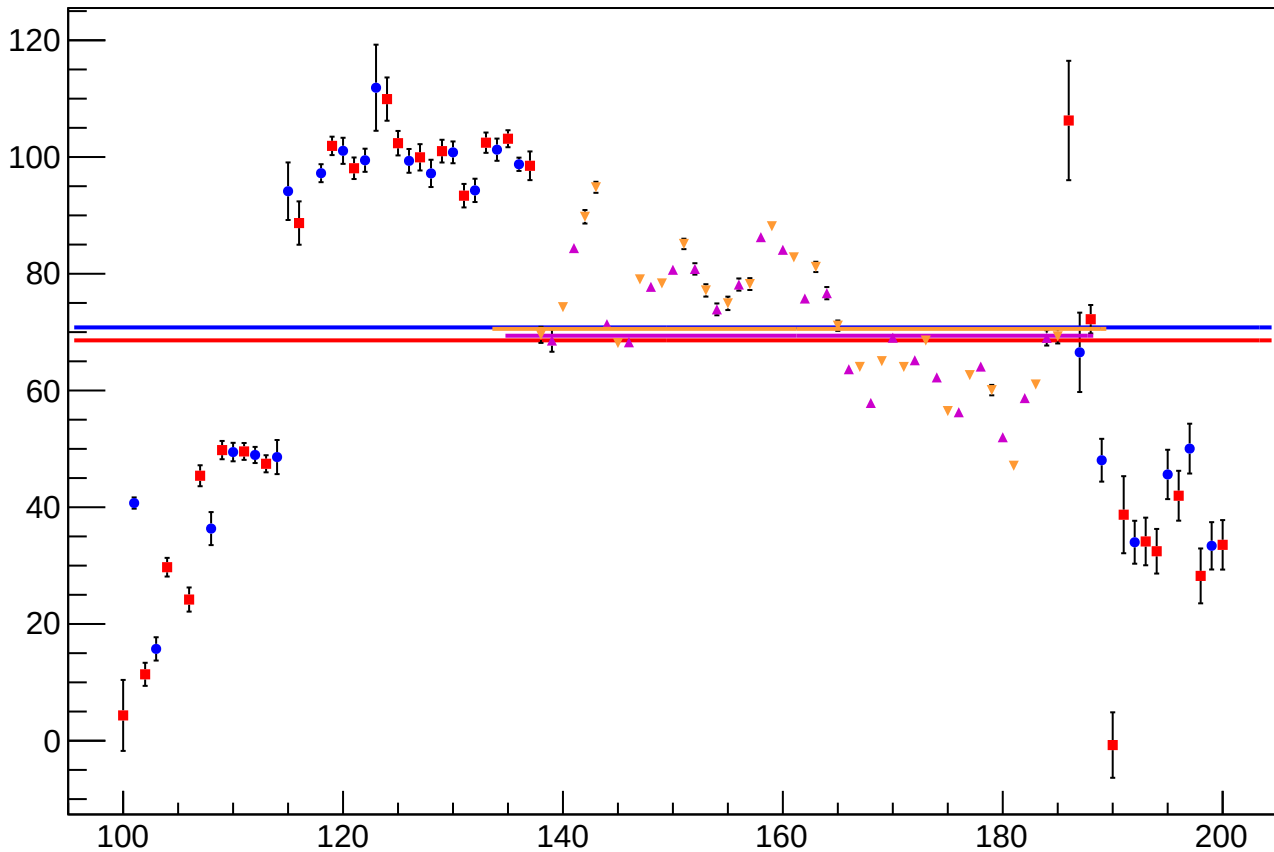
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -29.086 ± 0.177 χ^2/NDF : 11444.6/47

All: -29.327 ± 0.125 χ^2/NDF : 23228.2/98

- sign -29.565 ± 0.177 χ^2/NDF : 11780.0/50

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 70.810 $\pm$ 0.416 χ^2 /NDF: 4971.7/22

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

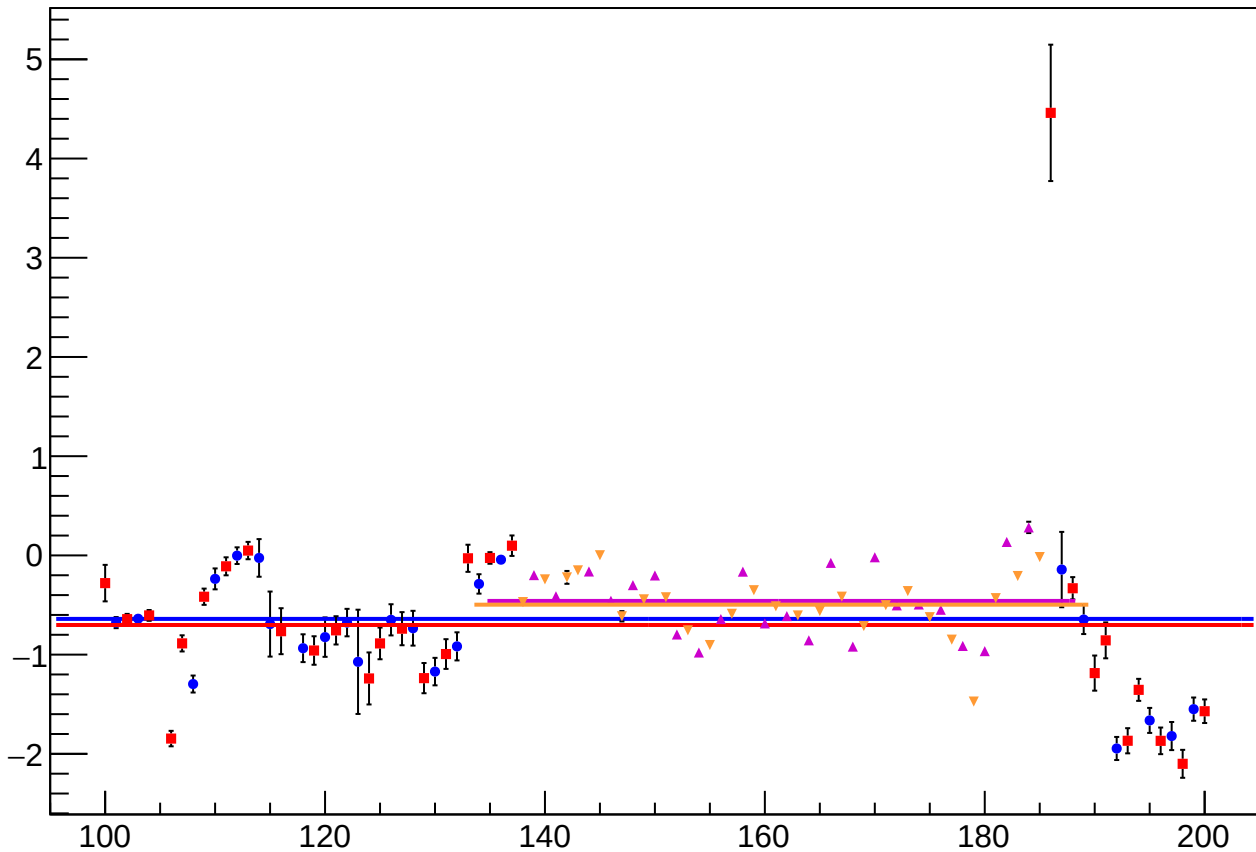
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF:3321.8/22

+ sign 70.597 $\pm$ 0.154 χ^2 /NDF: 9561.2/47

All: 69.947 $\pm$ 0.110 χ^2 /NDF: 18973.1/98

- sign 69.272 $\pm$ 0.157 χ^2 /NDF: 9375.8/50

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.640 ± 0.021 χ^2/NDF : 665.6/22

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.701 ± 0.019 χ^2/NDF : 1025.1/27

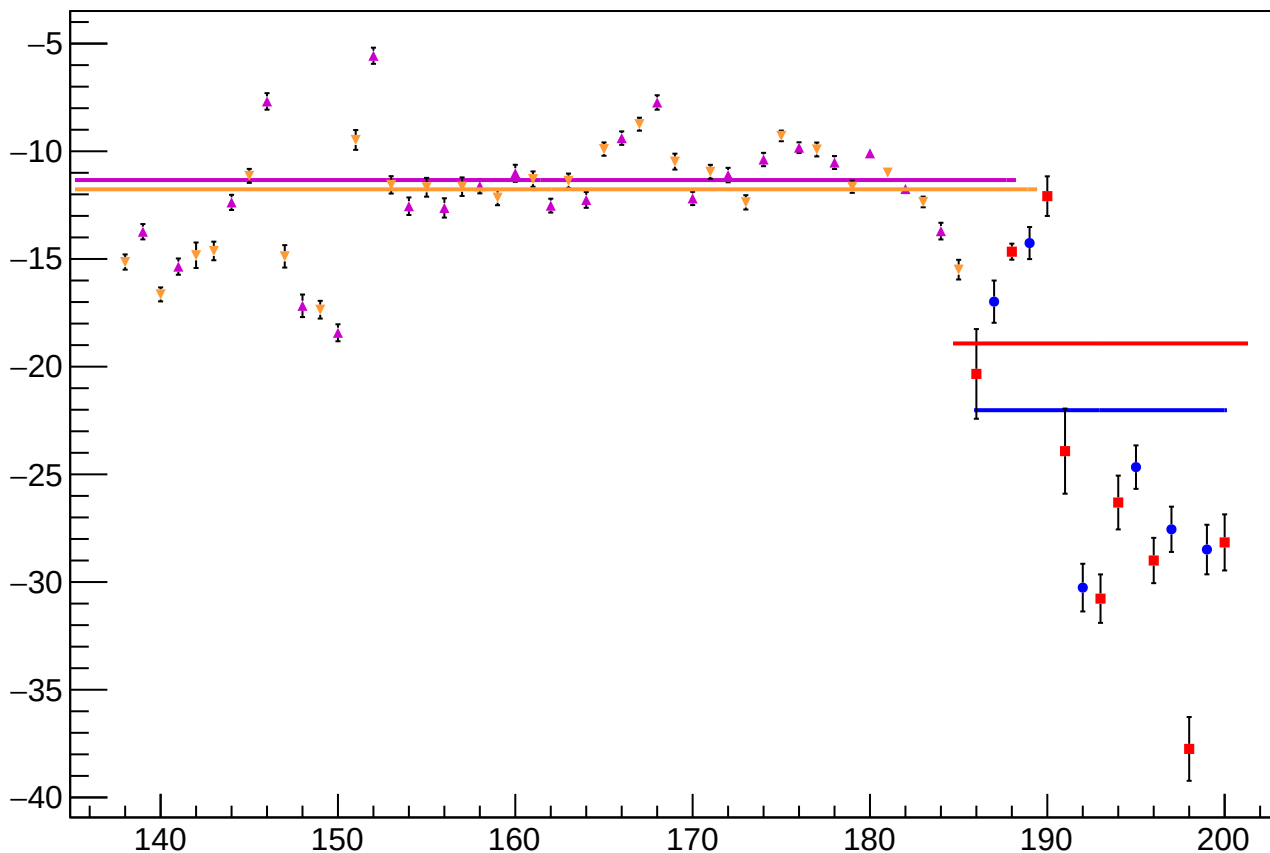
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.514 ± 0.007 χ^2/NDF : 2156.8/47

All: -0.503 ± 0.005 χ^2/NDF : 5279.0/98

- sign -0.492 ± 0.007 χ^2/NDF : 3117.6/50

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -22.021 ± 0.398 χ^2/NDF : 256.4/5

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -18.923 ± 0.286 χ^2/NDF : 642.8/8

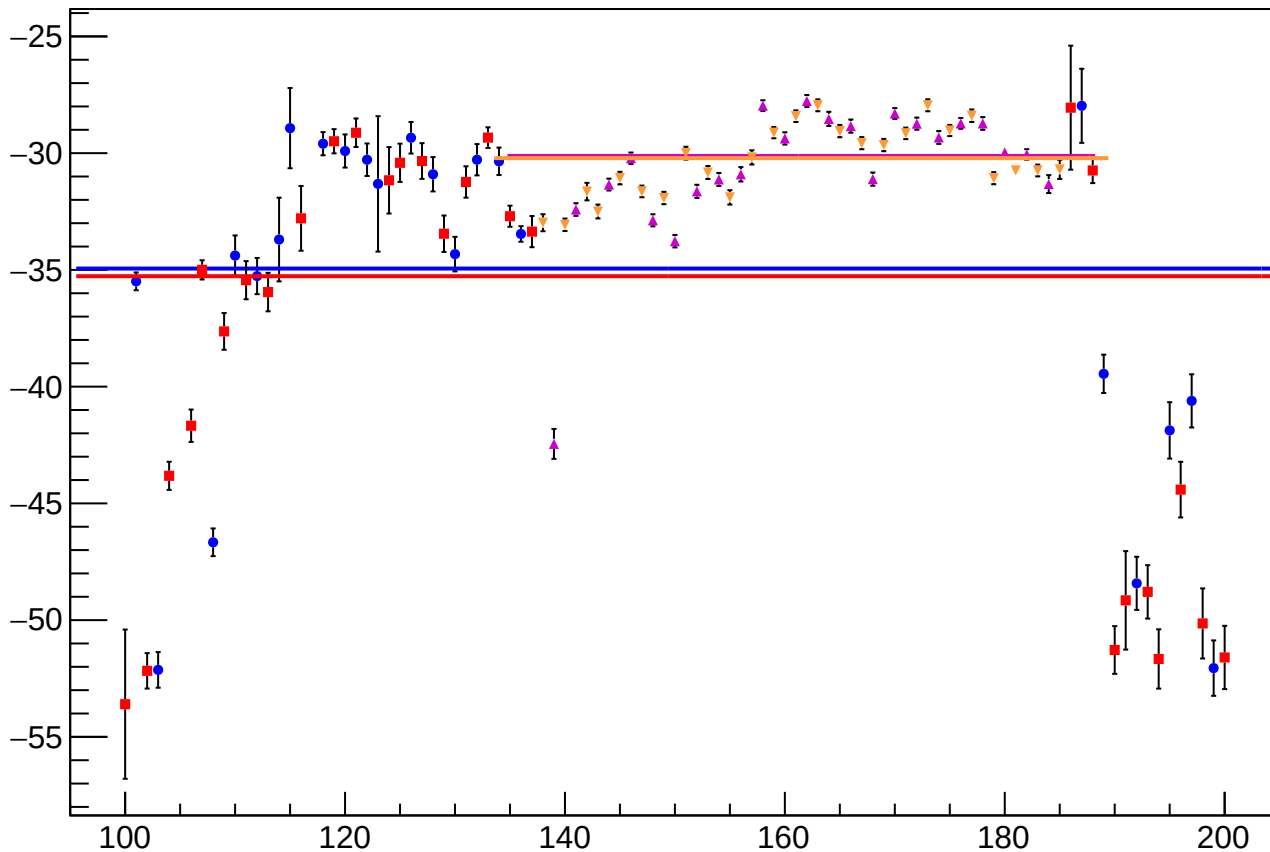
Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -12.046 ± 0.066 χ^2/NDF : 1921.7/30

All: -11.896 ± 0.047 χ^2/NDF : 4512.6/62

- sign -11.744 ± 0.066 χ^2/NDF : 2580.4/31

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.942 ± 0.144 $\chi^2/\text{NDF}: 1809.2/22$

Left Out: -30.212 ± 0.054 $\chi^2/\text{NDF}: 734.0/24$

Right Out: -35.270 ± 0.139 $\chi^2/\text{NDF}: 2376.1/27$

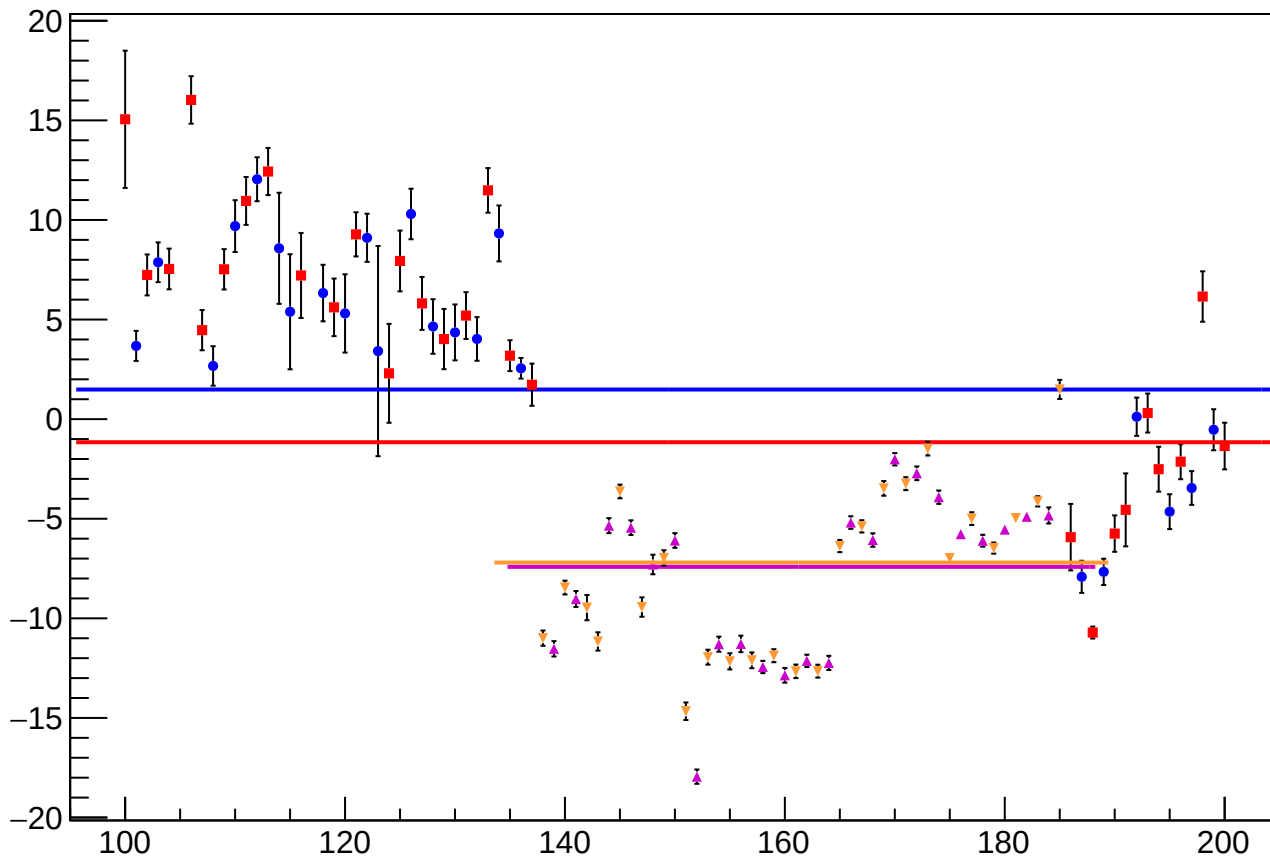
Left In: -30.124 ± 0.056 $\chi^2/\text{NDF}: 1226.2/22$

+ sign -30.791 ± 0.050 $\chi^2/\text{NDF}: 3488.2/47$

All: -30.811 ± 0.036 $\chi^2/\text{NDF}: 8271.5/98$

- sign -30.831 ± 0.052 $\chi^2/\text{NDF}: 4783.1/50$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 1.487 ± 0.212 $\chi^2/\text{NDF}: 761.9/22$

Left Out: -7.199 ± 0.067 $\chi^2/\text{NDF}: 3037.3/24$

Right Out: -1.159 ± 0.181 $\chi^2/\text{NDF}: 2193.3/27$

Left In: -7.415 ± 0.068 $\chi^2/\text{NDF}: 3123.3/22$

+ sign -6.414 ± 0.064 $\chi^2/\text{NDF}: 5323.1/47$

All: -6.528 ± 0.045 $\chi^2/\text{NDF}: 11697.6/98$

- sign -6.641 ± 0.064 $\chi^2/\text{NDF}: 6368.2/50$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.640 ± 0.164 χ^2/NDF : 2485.6/22

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -3.709 ± 0.163 χ^2/NDF : 2867.2/27

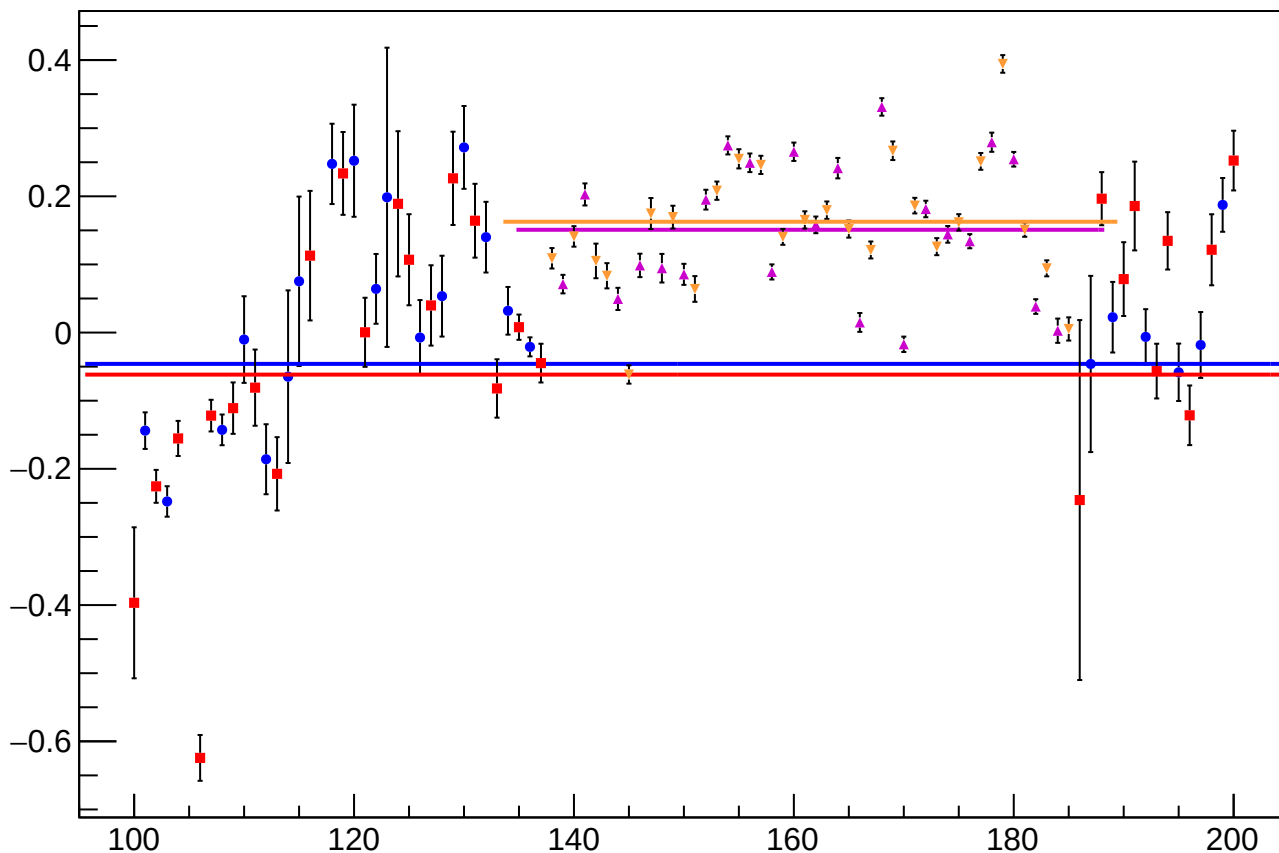
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.457 ± 0.056 χ^2/NDF : 3977.7/47

All: -8.355 ± 0.040 χ^2/NDF : 9276.7/98

- sign -8.248 ± 0.058 χ^2/NDF : 5292.2/50

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.046 ± 0.008 χ^2/NDF : 255.6/22

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.062 ± 0.007 χ^2/NDF : 610.5/27

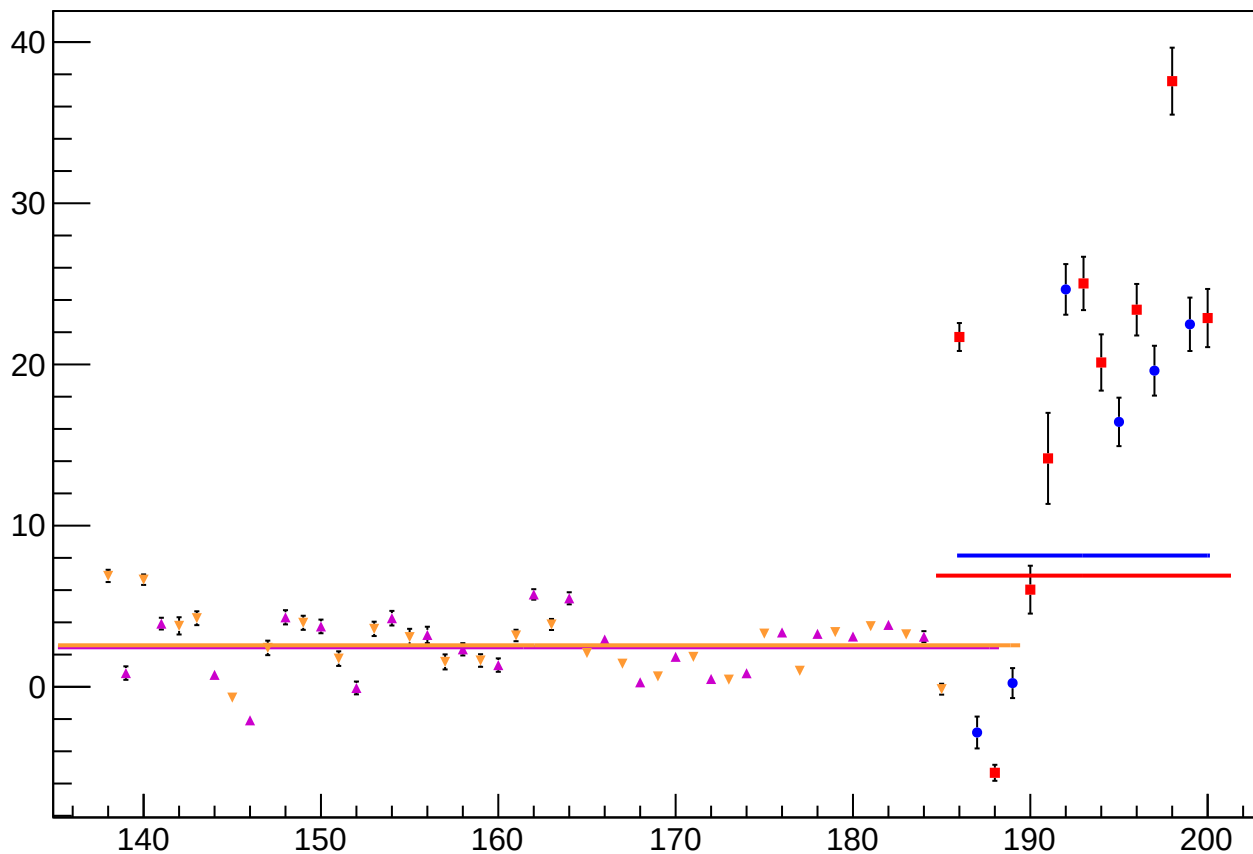
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.140 ± 0.003 χ^2/NDF : 1924.5/47

All: 0.132 ± 0.002 χ^2/NDF : 4547.1/98

- sign 0.125 ± 0.003 χ^2/NDF : 2607.6/50

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 8.145 ± 0.512 $\chi^2/\text{NDF}: 466.7/5$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 6.899 ± 0.363 $\chi^2/\text{NDF}: 1486.7/8$

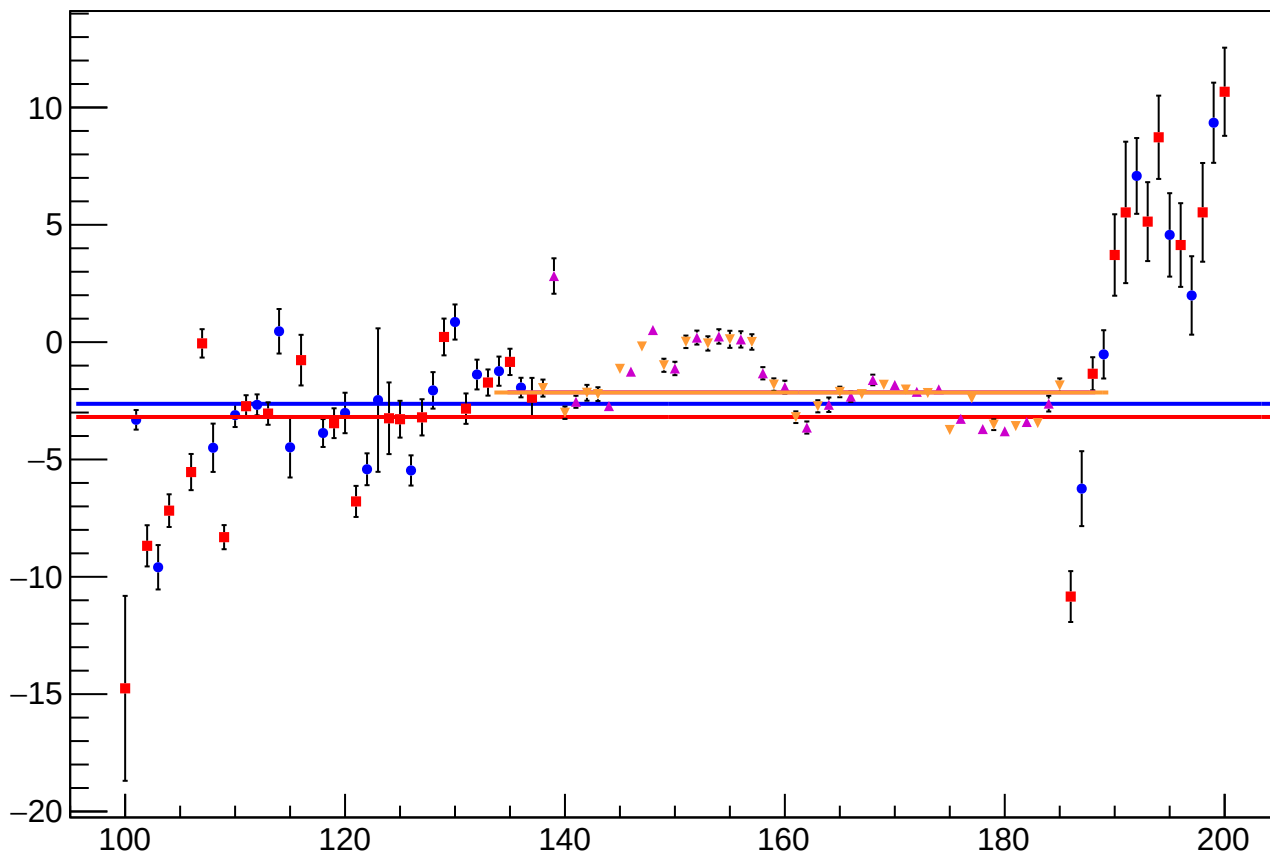
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.648 ± 0.058 $\chi^2/\text{NDF}: 1450.8/30$

All: 2.608 ± 0.041 $\chi^2/\text{NDF}: 3955.9/62$

- sign 2.568 ± 0.059 $\chi^2/\text{NDF}: 2504.2/31$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.628 ± 0.150 χ^2/NDF : 267.3/22

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -3.189 ± 0.147 χ^2/NDF : 535.4/27

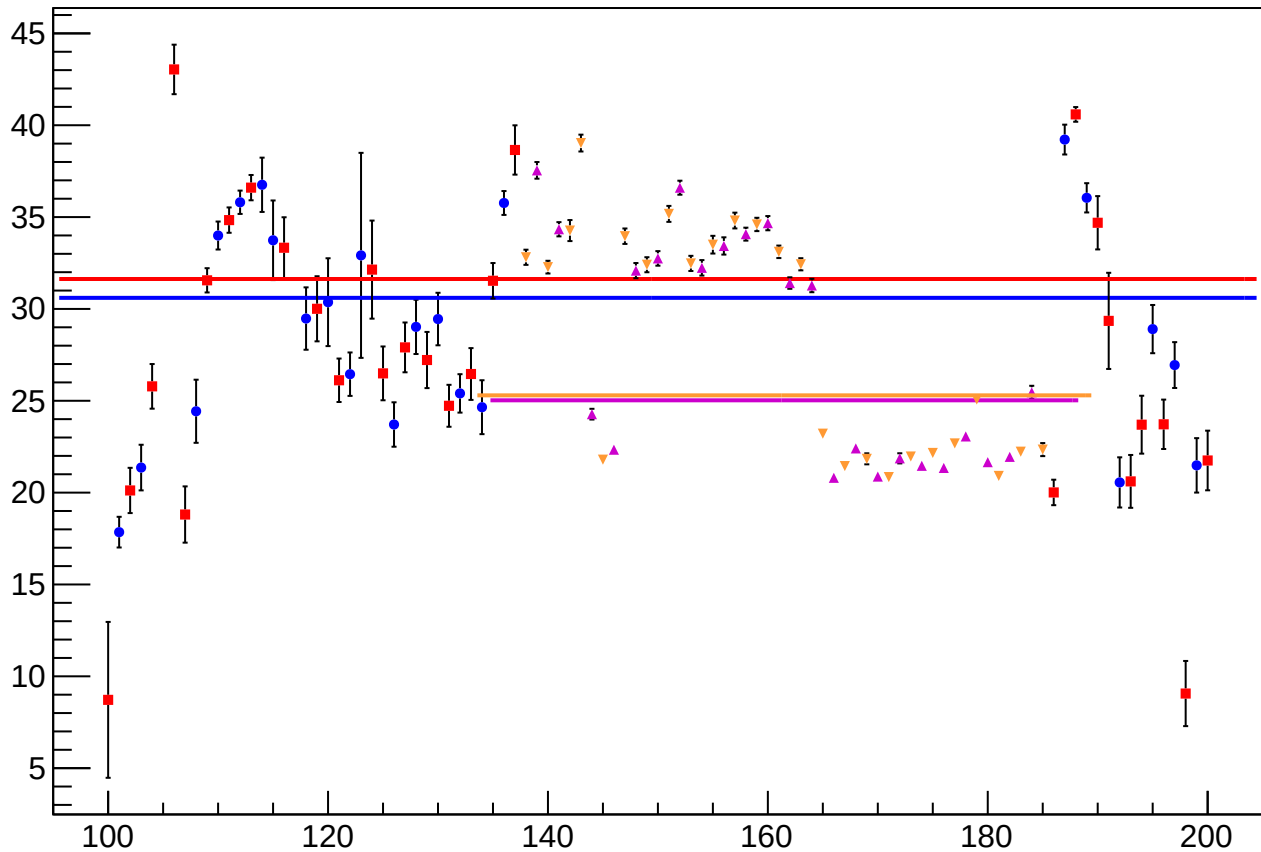
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.190 ± 0.045 χ^2/NDF : 850.0/47

All: -2.215 ± 0.032 χ^2/NDF : 2123.8/98

- sign -2.240 ± 0.046 χ^2/NDF : 1273.2/50

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 30.604 $\pm$ 0.228 χ^2 /NDF: 821.1/22

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

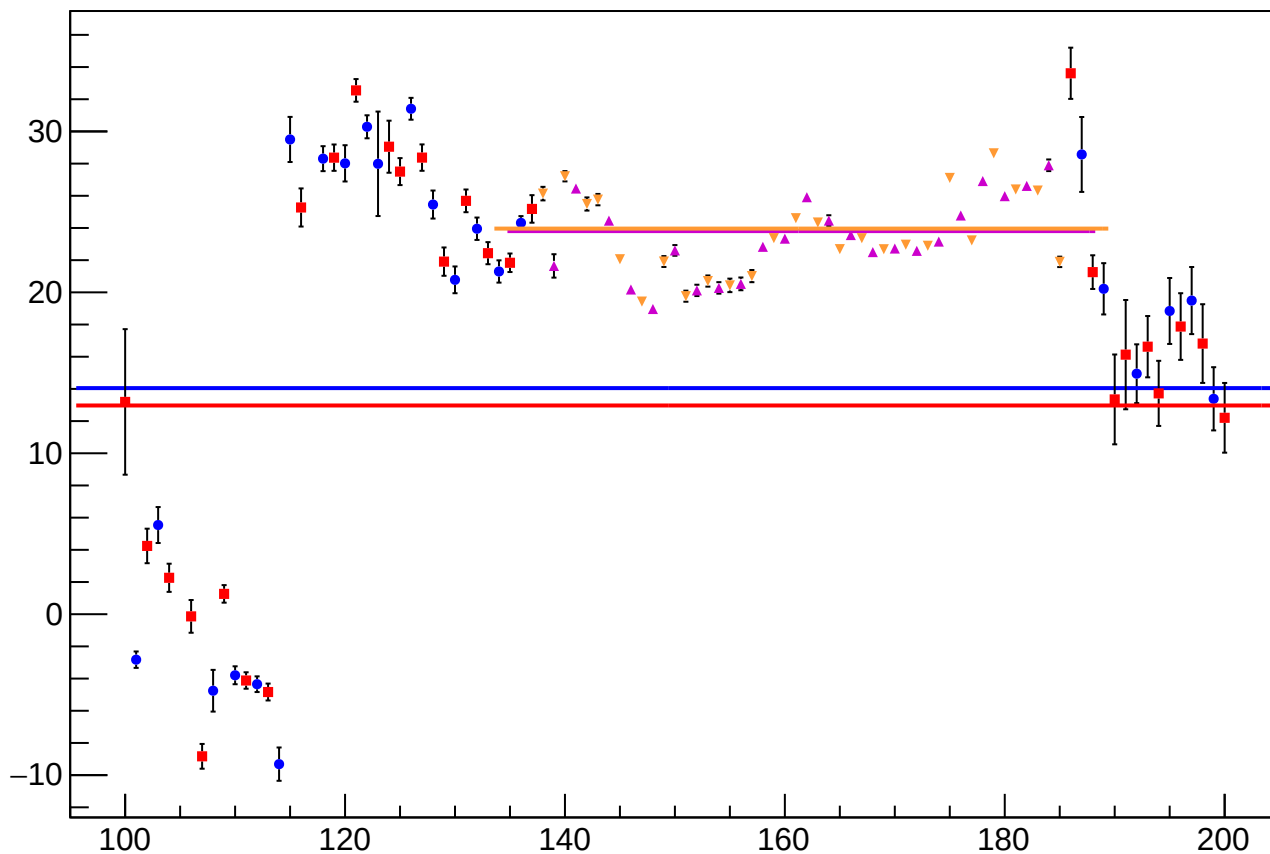
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.627 $\pm$ 0.057 χ^2 /NDF: 9601.9/47

All: 25.604 $\pm$ 0.040 χ^2 /NDF: 19834.1/98

- 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: 14.049 ± 0.169 χ^2/NDF : 7343.0/22

Left Out: 23.962 ± 0.053 χ^2/NDF : 1922.4/24

Right Out: 12.970 ± 0.167 χ^2/NDF : 7207.5/27

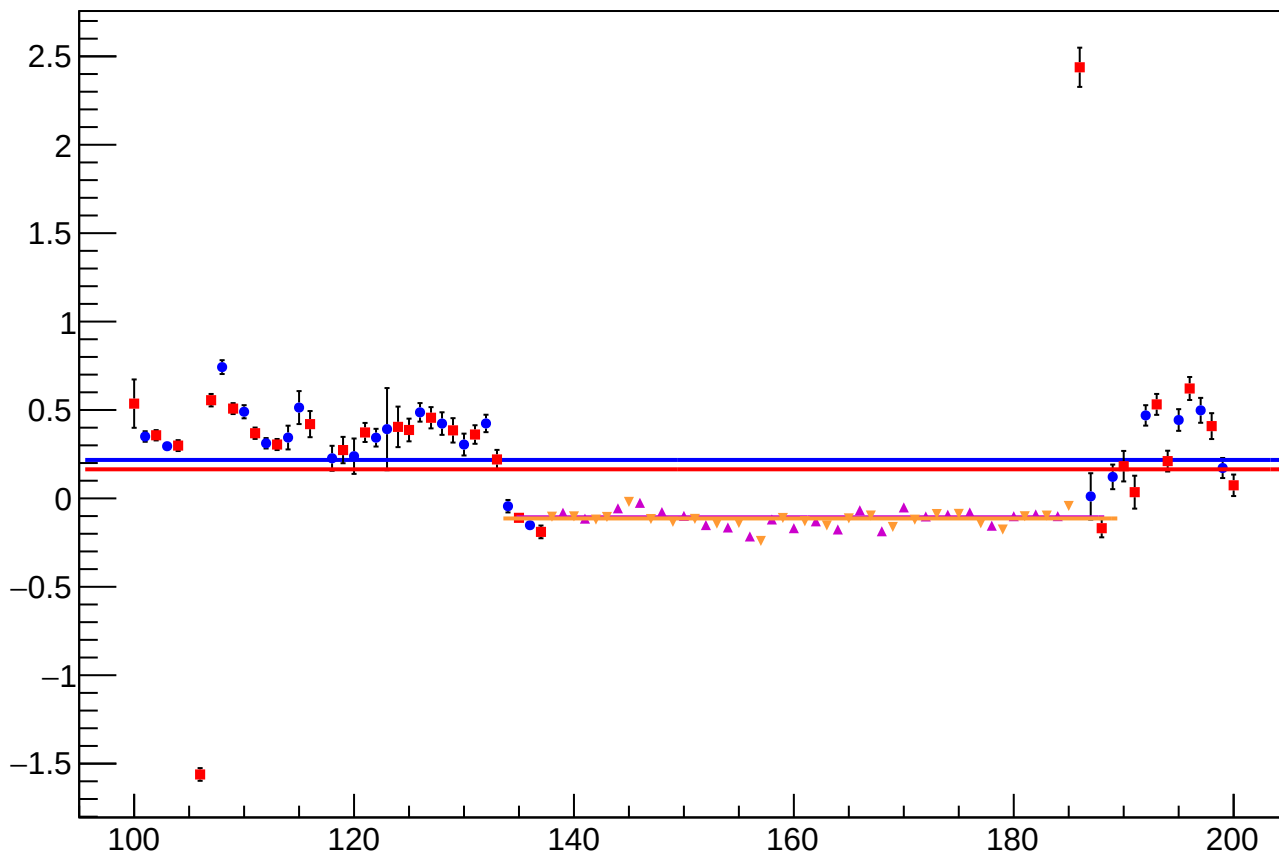
Left In: 23.805 ± 0.054 χ^2/NDF : 1761.3/22

+ sign 23.070 ± 0.051 χ^2/NDF : 12395.8/47

All: 22.928 ± 0.036 χ^2/NDF : 25174.9/98

- sign 22.782 ± 0.051 χ^2/NDF : 12763.3/50

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.217+/-0.009 χ^2/NDF : 901.8/22

Left Out: -0.113+/-0.002 χ^2/NDF : 291.0/24

Right Out: 0.164+/-0.009 χ^2/NDF : 3586.6/27

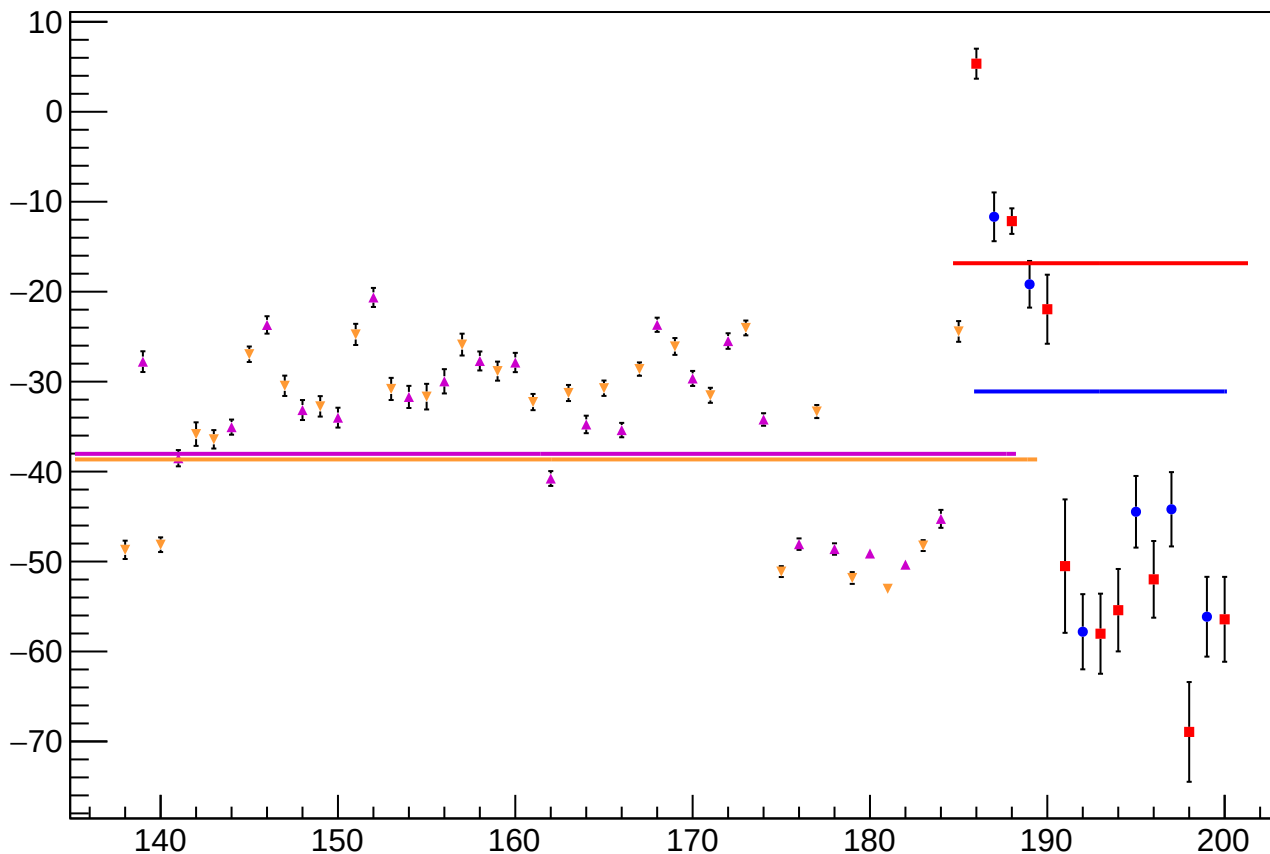
Left In: -0.107+/-0.002 χ^2/NDF : 321.8/22

+ sign -0.091+/-0.002 χ^2/NDF : 2487.0/47

All: -0.088+/-0.002 χ^2/NDF : 7330.1/98

- sign -0.086+/-0.002 χ^2/NDF : 4841.1/50

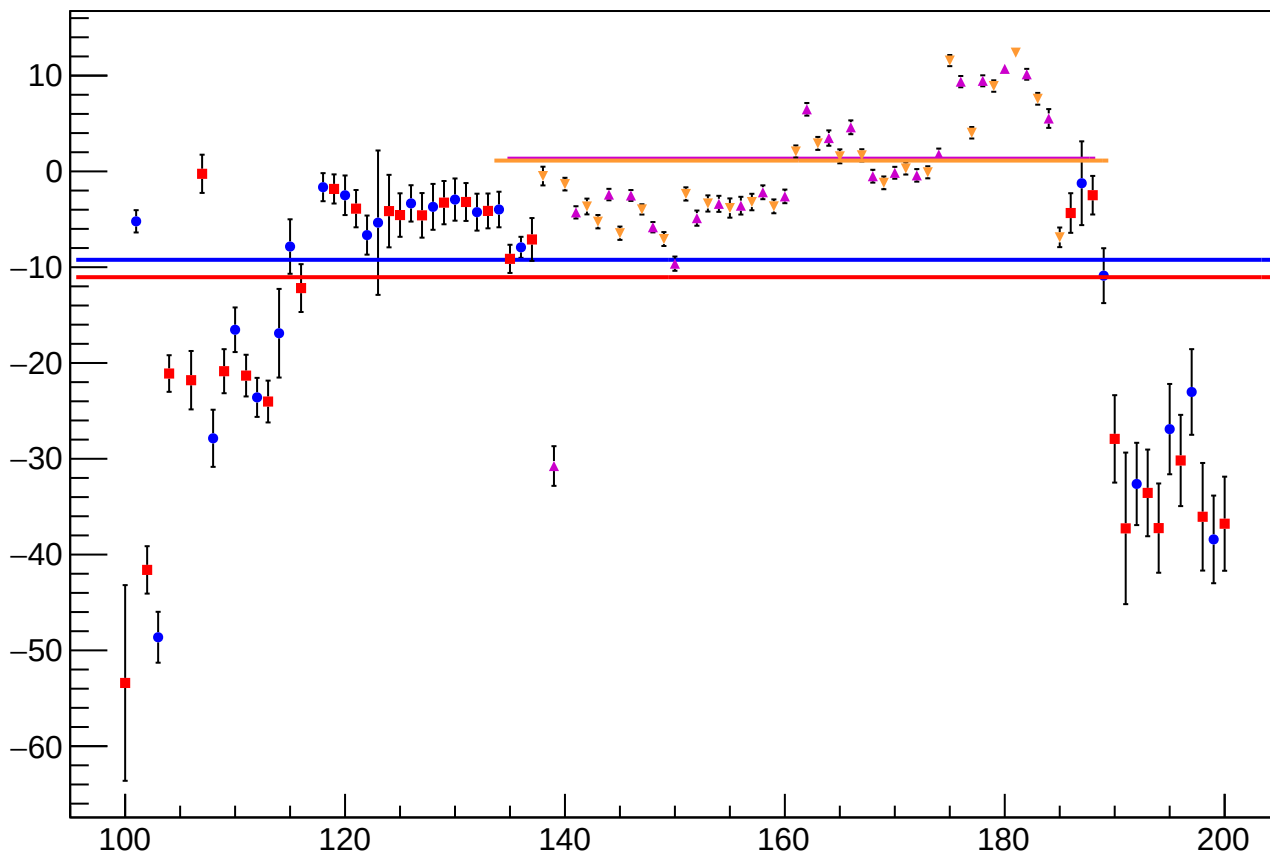
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -31.093 ± 1.394 $\chi^2/\text{NDF}: 166.5/5$
 Left Out: -38.650 ± 0.169 $\chi^2/\text{NDF}: 4077.2/24$
 Right Out: -16.837 ± 0.924 $\chi^2/\text{NDF}: 593.0/8$
 Left In: -38.027 ± 0.173 $\chi^2/\text{NDF}: 3091.9/22$

+ sign -38.540 ± 0.168 $\chi^2/\text{NDF}: 4272.7/30$
 All: -37.933 ± 0.120 $\chi^2/\text{NDF}: 8491.9/62$
 - sign -37.308 ± 0.170 $\chi^2/\text{NDF}: 4192.7/31$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -9.229 ± 0.449 $\chi^2/\text{NDF}: 509.5/22$

Left Out: 1.130 ± 0.136 $\chi^2/\text{NDF}: 1799.3/24$

Right Out: -11.043 ± 0.452 $\chi^2/\text{NDF}: 604.4/27$

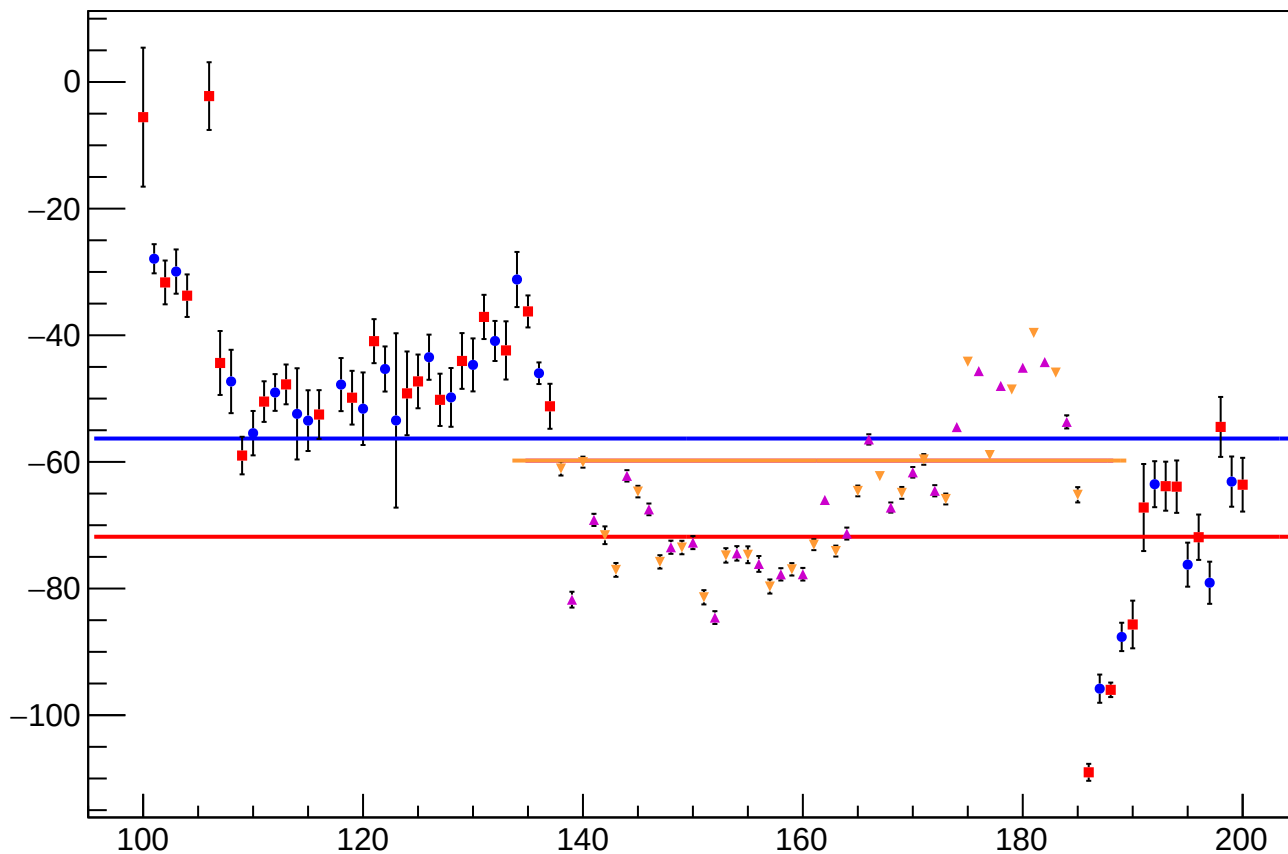
Left In: 1.329 ± 0.140 $\chi^2/\text{NDF}: 2048.0/22$

+ sign 0.259 ± 0.130 $\chi^2/\text{NDF}: 2796.8/47$

All: 0.254 ± 0.093 $\chi^2/\text{NDF}: 6132.9/98$

- sign 0.249 ± 0.134 $\chi^2/\text{NDF}: 3336.1/50$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -56.308 ± 0.684 χ^2/NDF : 946.7/22

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -71.820 ± 0.573 χ^2/NDF : 2492.2/27

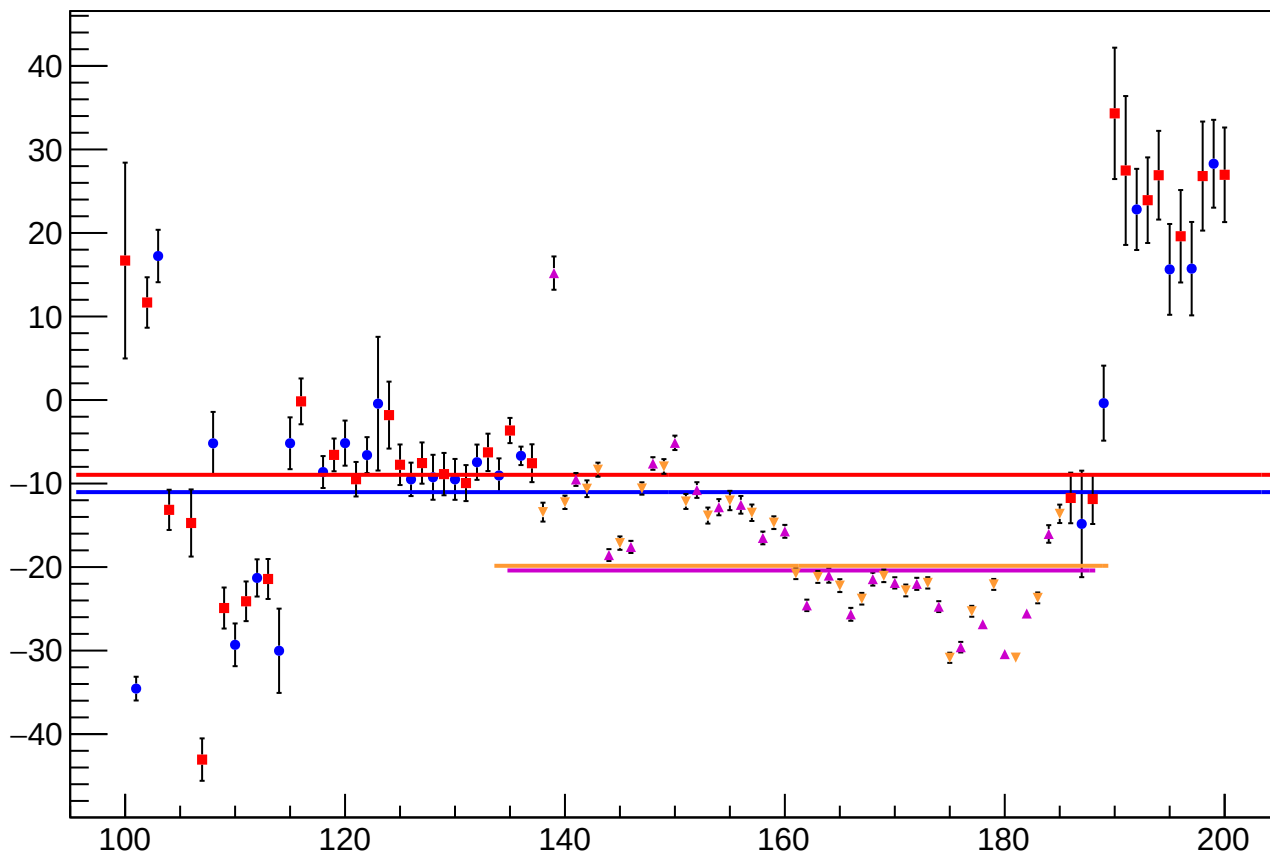
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.586 ± 0.165 χ^2/NDF : 6808.7/47

All: -60.194 ± 0.117 χ^2/NDF : 14948.3/98

- sign -60.808 ± 0.166 χ^2/NDF : 8112.3/50

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -11.028 ± 0.509 χ^2/NDF : 637.8/22

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -8.956 ± 0.523 χ^2/NDF : 609.2/27

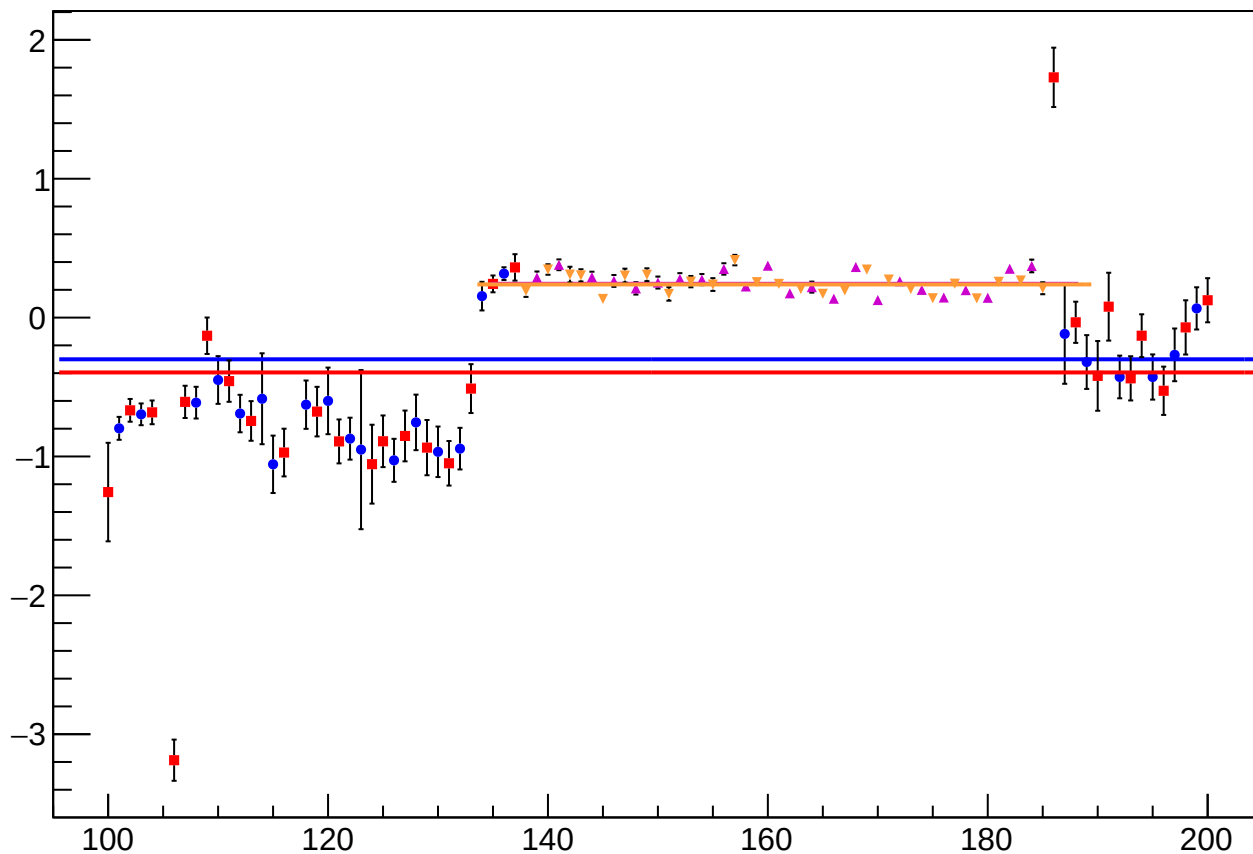
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.118 ± 0.146 χ^2/NDF : 2844.8/47

All: -19.287 ± 0.105 χ^2/NDF : 6199.5/98

- sign -19.466 ± 0.150 χ^2/NDF : 3351.9/50

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.300 ± 0.026 $\chi^2/\text{NDF}: 379.1/22$

Left Out: 0.239 ± 0.007 $\chi^2/\text{NDF}: 93.0/24$

Right Out: -0.395 ± 0.026 $\chi^2/\text{NDF}: 762.3/27$

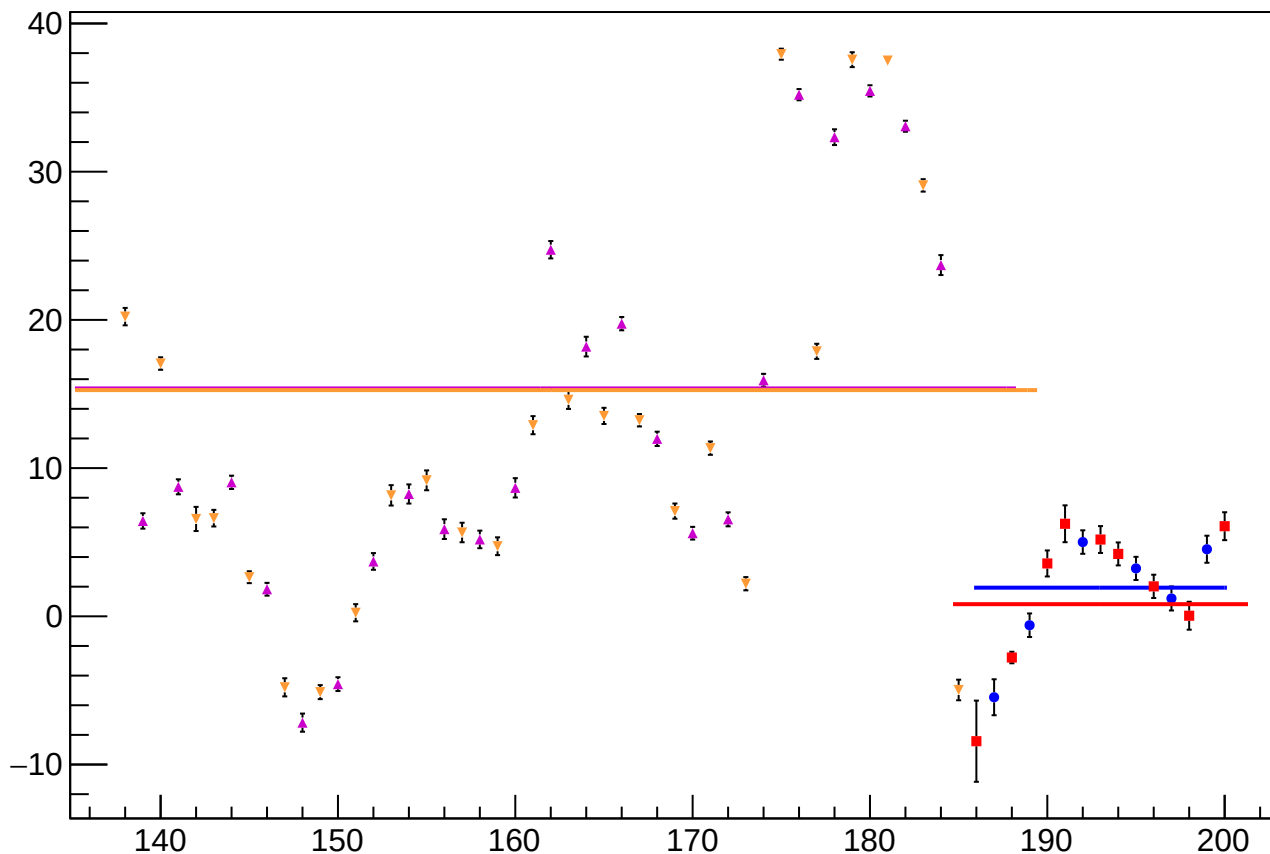
Left In: 0.243 ± 0.007 $\chi^2/\text{NDF}: 138.3/22$

+ sign 0.202 ± 0.007 $\chi^2/\text{NDF}: 877.9/47$

All: 0.200 ± 0.005 $\chi^2/\text{NDF}: 2346.3/98$

- sign -0.198 ± 0.007 $\chi^2/\text{NDF}: 1468.3/50$

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.933 ± 0.349 $\chi^2/\text{NDF}: 74.0/5$

Left Out: 15.263 ± 0.100 $\chi^2/\text{NDF}: 19175.2/24$

Right Out: 0.819 ± 0.254 $\chi^2/\text{NDF}: 202.4/8$

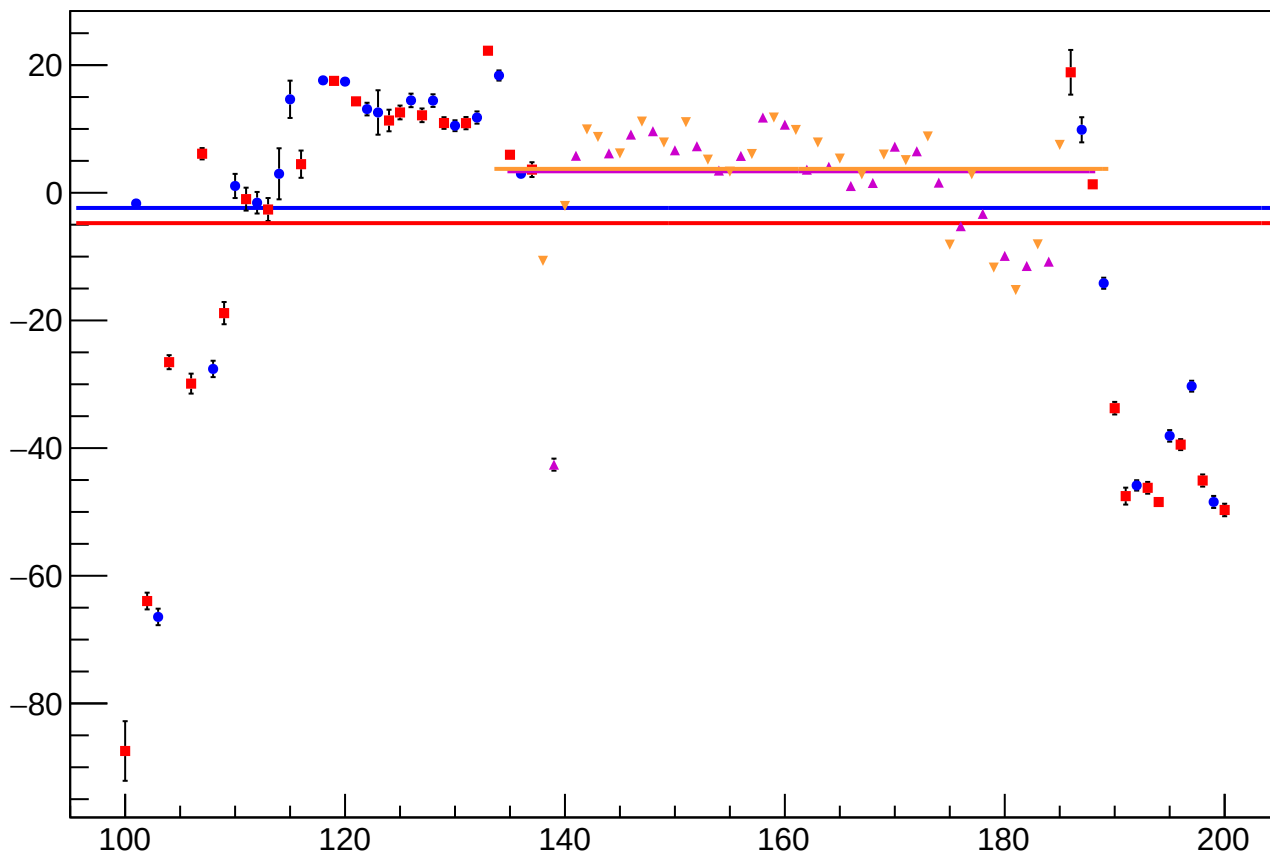
Left In: 15.377 ± 0.103 $\chi^2/\text{NDF}: 16268.9/22$

+ sign 14.242 ± 0.097 $\chi^2/\text{NDF}: 20596.6/30$

All: 13.783 ± 0.068 $\chi^2/\text{NDF}: 39926.3/62$

- sign 13.336 ± 0.095 $\chi^2/\text{NDF}: 19285.1/31$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -2.376 ± 0.190 $\chi^2/\text{NDF}: 15549.0/22$

Left Out: 3.746 ± 0.079 $\chi^2/\text{NDF}: 9247.4/24$

Right Out: -4.756 ± 0.174 $\chi^2/\text{NDF}: 23276.0/27$

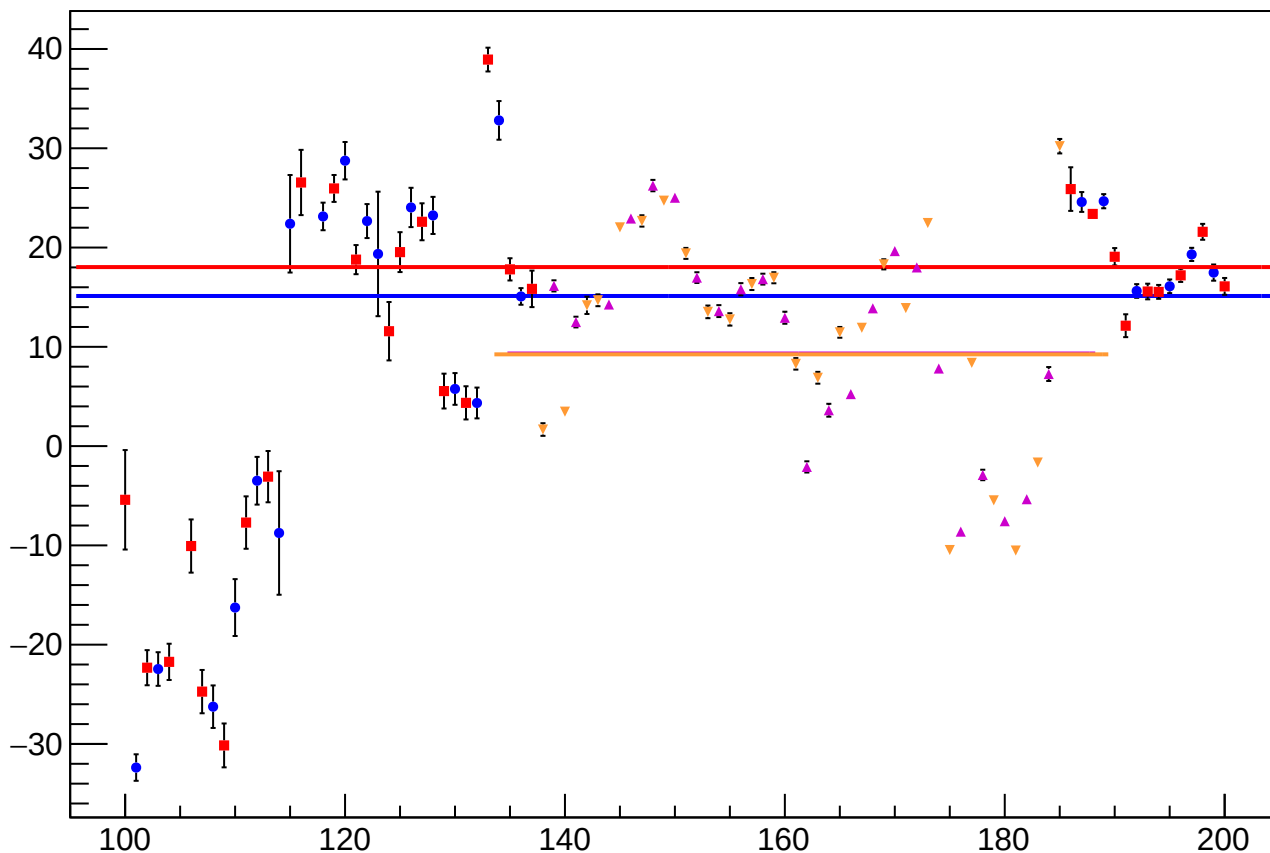
Left In: 3.365 ± 0.081 $\chi^2/\text{NDF}: 8527.0/22$

+ sign 2.845 ± 0.073 $\chi^2/\text{NDF}: 25685.2/47$

All: 2.385 ± 0.052 $\chi^2/\text{NDF}: 59354.6/98$

- sign 1.914 ± 0.074 $\chi^2/\text{NDF}: 33588.4/50$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 15.121 $\pm$ 0.245 χ^2 /NDF: 2958.0/22

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 18.032 $\pm$ 0.193 χ^2 /NDF: 3002.0/27

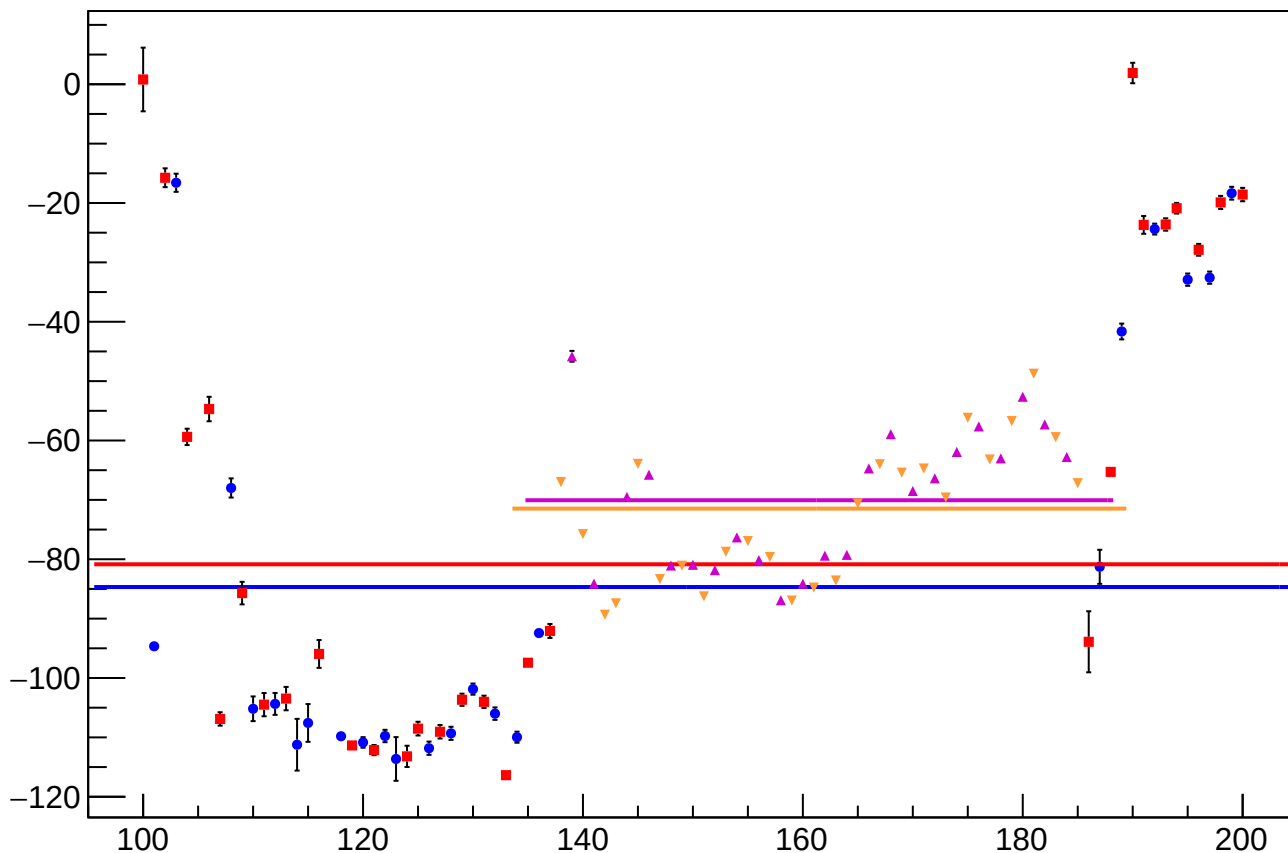
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.094 $\pm$ 0.093 χ^2 /NDF: 17083.0/47

All: 10.689 $\pm$ 0.065 χ^2 /NDF: 33721.8/98

- sign 11.249 $\pm$ 0.091 χ^2 /NDF: 16559.9/50

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -84.677 ± 0.221 χ^2/NDF : 22565.5/22

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -80.847 ± 0.206 χ^2/NDF : 34248.5/27

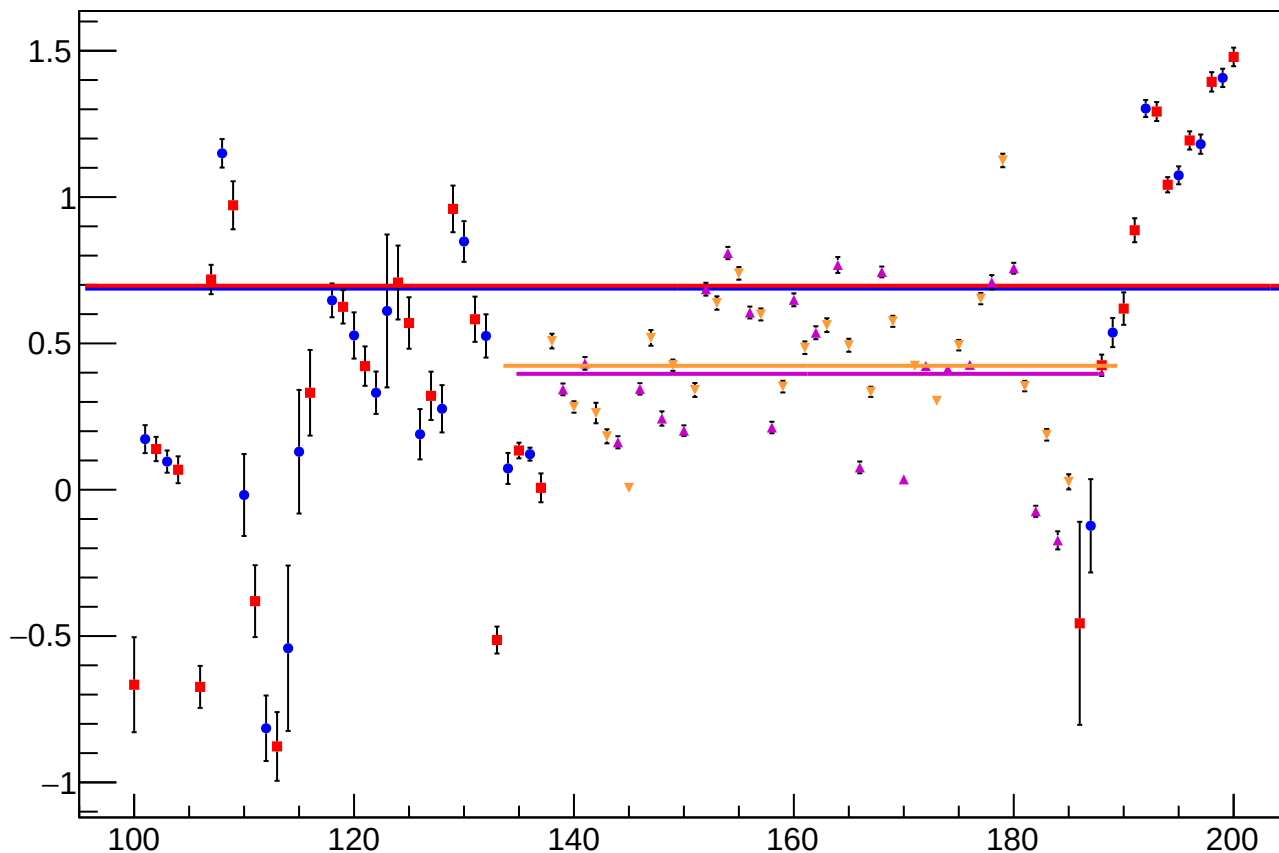
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -73.319 ± 0.083 χ^2/NDF : 42046.6/47

All: -72.589 ± 0.059 χ^2/NDF : 91792.8/98

- sign -71.841 ± 0.084 χ^2/NDF : 49588.8/50

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.687 $\pm$ 0.010 χ^2 /NDF: 2962.6/22

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

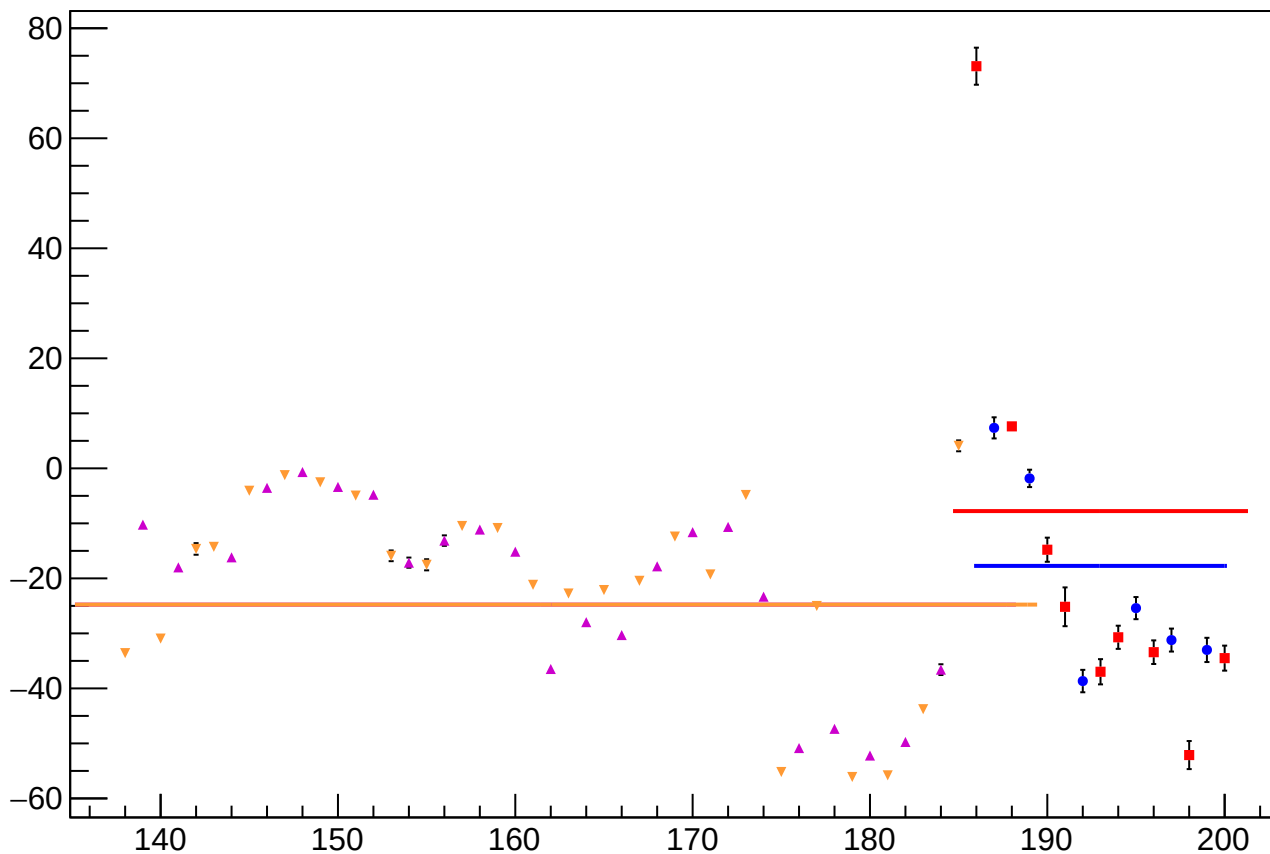
Left In: 0.396 $\pm$ 0.004 χ^2 /NDF:4051.5/22

+ sign 0.462 $\pm$ 0.004 χ^2 /NDF: 6448.1/47

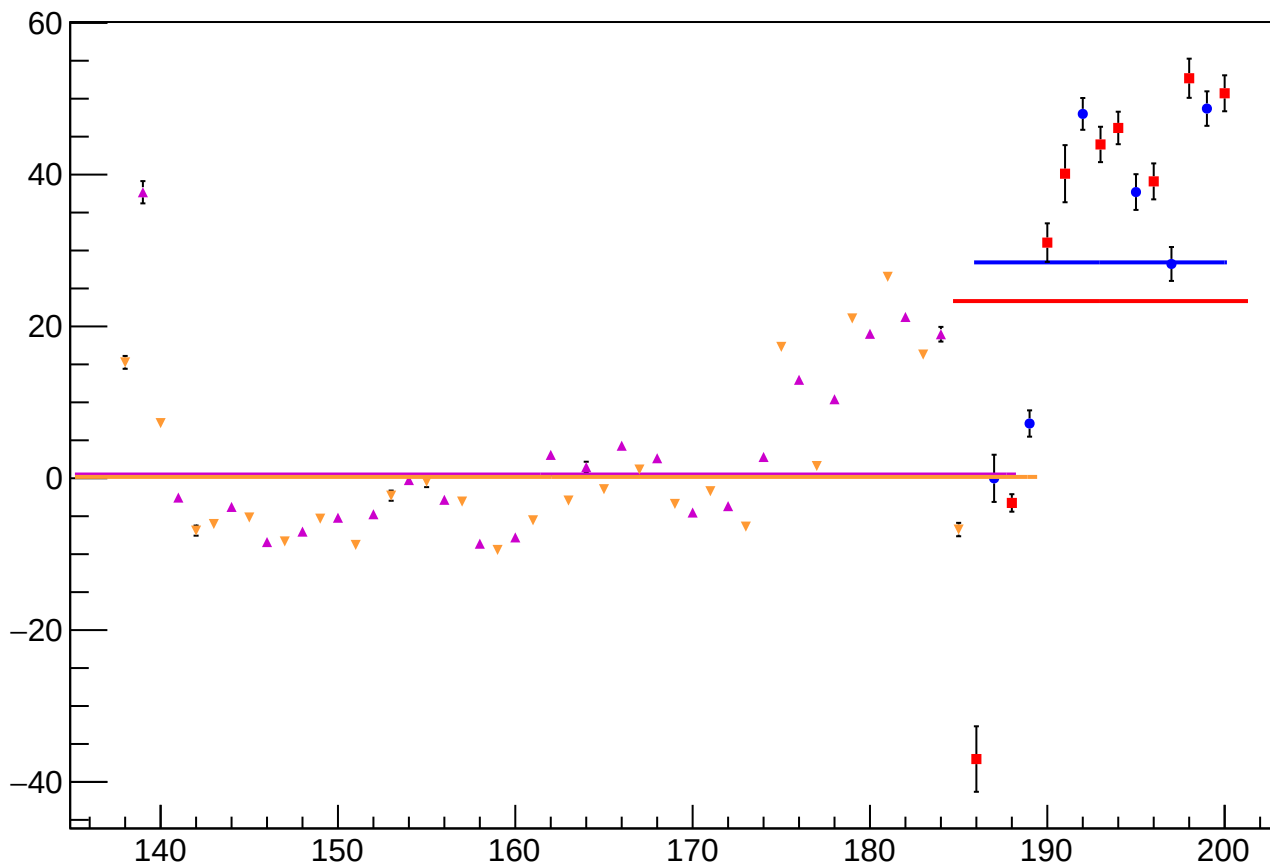
All: 0.456 $\pm$ 0.003 χ^2 /NDF: 15807.9/98

- sign 0.450 $\pm$ 0.004 χ^2 /NDF: 9354.9/50

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 28.436 +/- 0.898 χ^2/NDF : 416.0/5

Left Out: 0.177 +/- 0.109 χ^2/NDF : 8295.6/24

Right Out: 23.339 +/- 0.718 χ^2/NDF : 1256.1/8

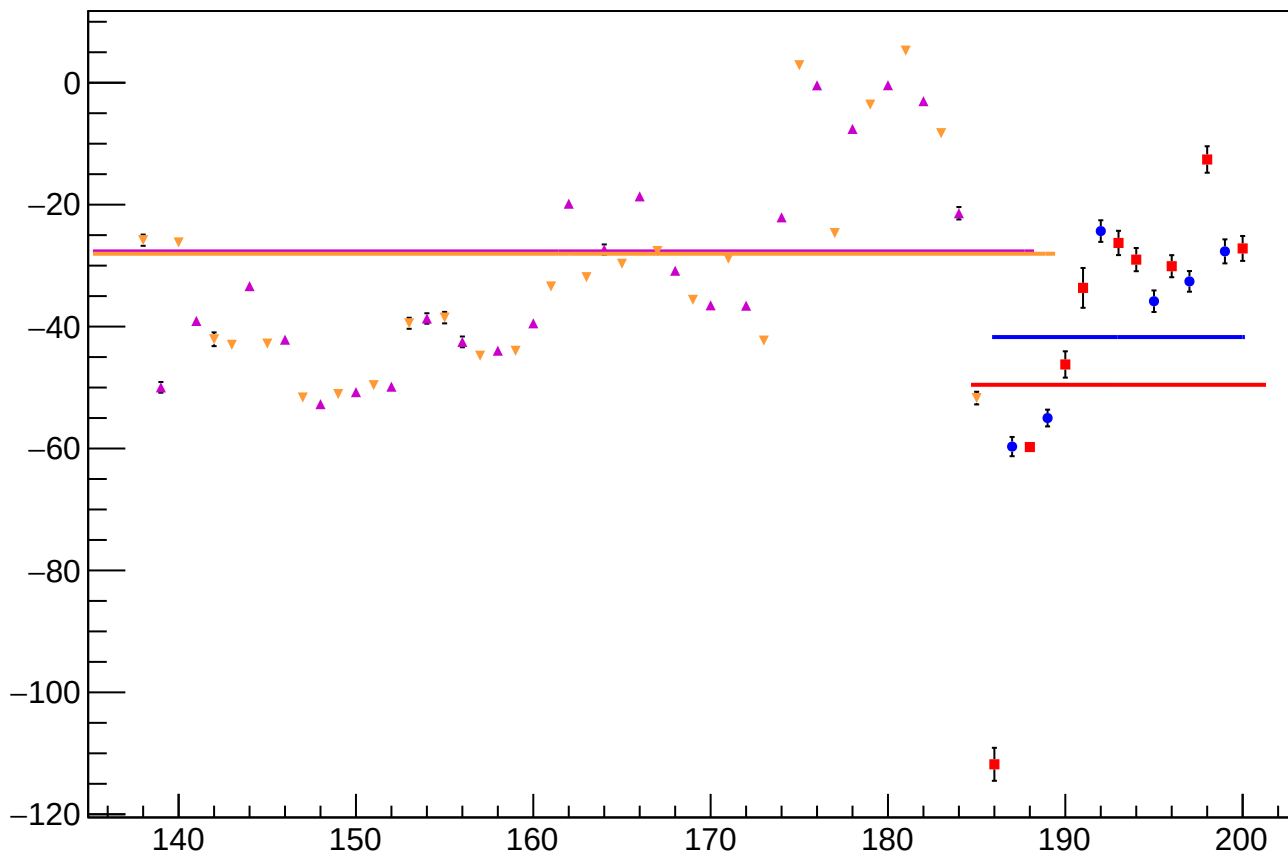
Left In: 0.493 +/- 0.112 χ^2/NDF : 6555.4/22

+ sign 0.584 +/- 0.108 χ^2/NDF : 9687.0/30

All: 0.804 +/- 0.077 χ^2/NDF : 18496.3/62

- sign 1.037 +/- 0.111 χ^2/NDF : 8800.6/31

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -41.718 ± 0.678 $\chi^2/\text{NDF}: 409.9/5$

Left Out: -28.050 ± 0.140 $\chi^2/\text{NDF}: 17144.5/24$

Right Out: -49.550 ± 0.493 $\chi^2/\text{NDF}: 1581.6/8$

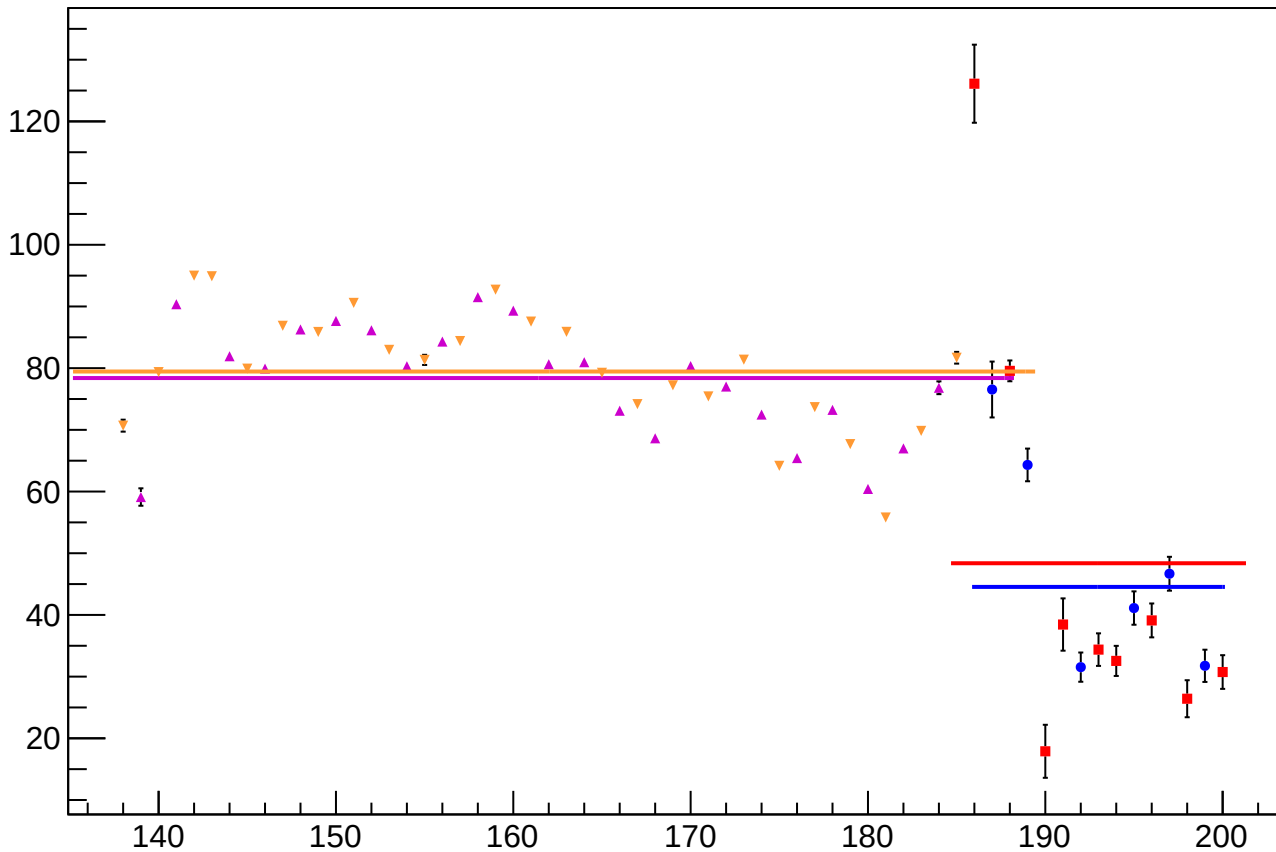
Left In: -27.666 ± 0.142 $\chi^2/\text{NDF}: 15003.2/22$

+ sign -28.607 ± 0.137 $\chi^2/\text{NDF}: 17944.0/30$

All: -28.980 ± 0.097 $\chi^2/\text{NDF}: 36362.0/62$

- sign -29.352 ± 0.137 $\chi^2/\text{NDF}: 18403.2/31$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 44.542 ± 1.128 χ^2/NDF : 161.9/5

Left Out: 79.456 ± 0.123 χ^2/NDF : 6077.1/24

Right Out: 48.377 ± 0.922 χ^2/NDF : 725.6/8

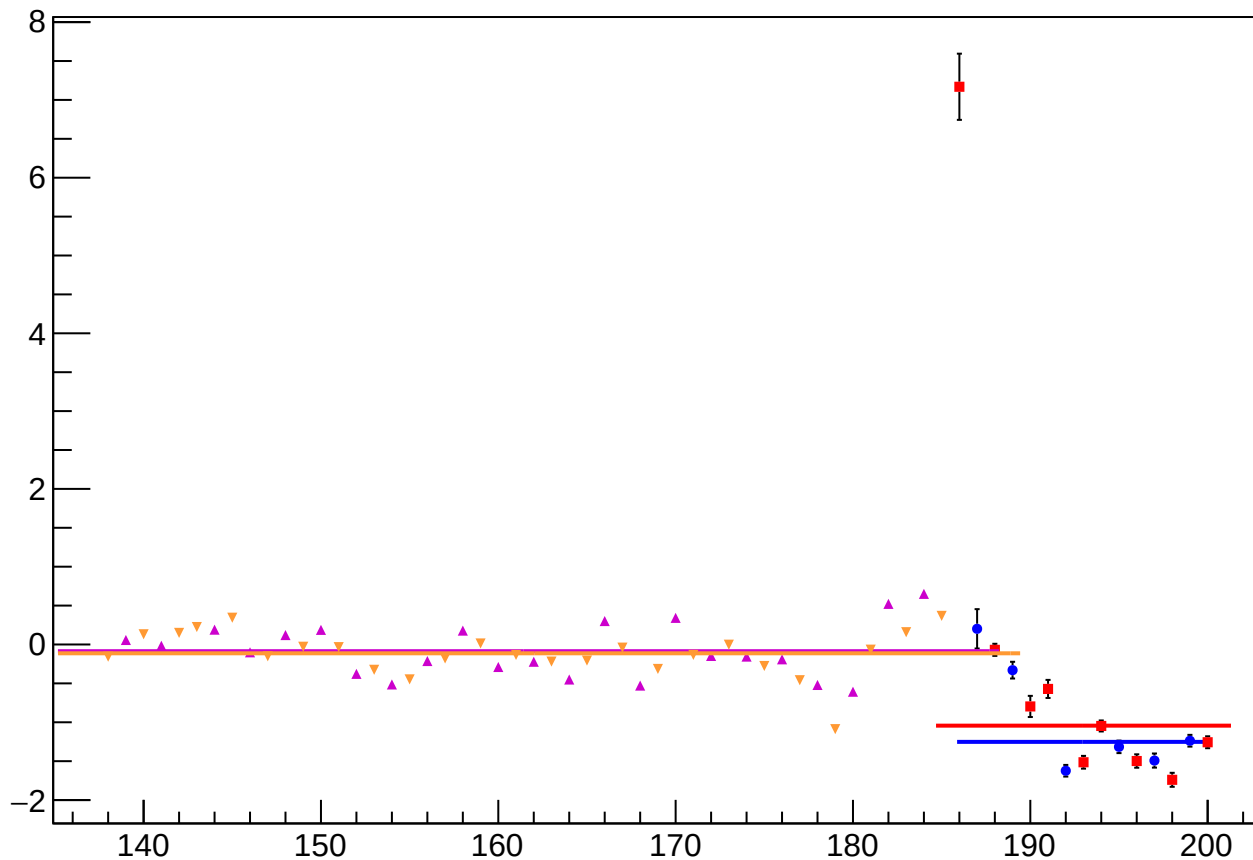
Left In: 78.396 ± 0.127 χ^2/NDF : 4707.3/22

+ sign 79.045 ± 0.122 χ^2/NDF : 7185.2/30

All: 78.457 ± 0.088 χ^2/NDF : 13705.4/62

- sign 77.840 ± 0.126 χ^2/NDF : 6473.0/31

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -1.252 ± 0.037 χ^2/NDF : 138.8/5

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -1.043 ± 0.030 χ^2/NDF : 677.7/8

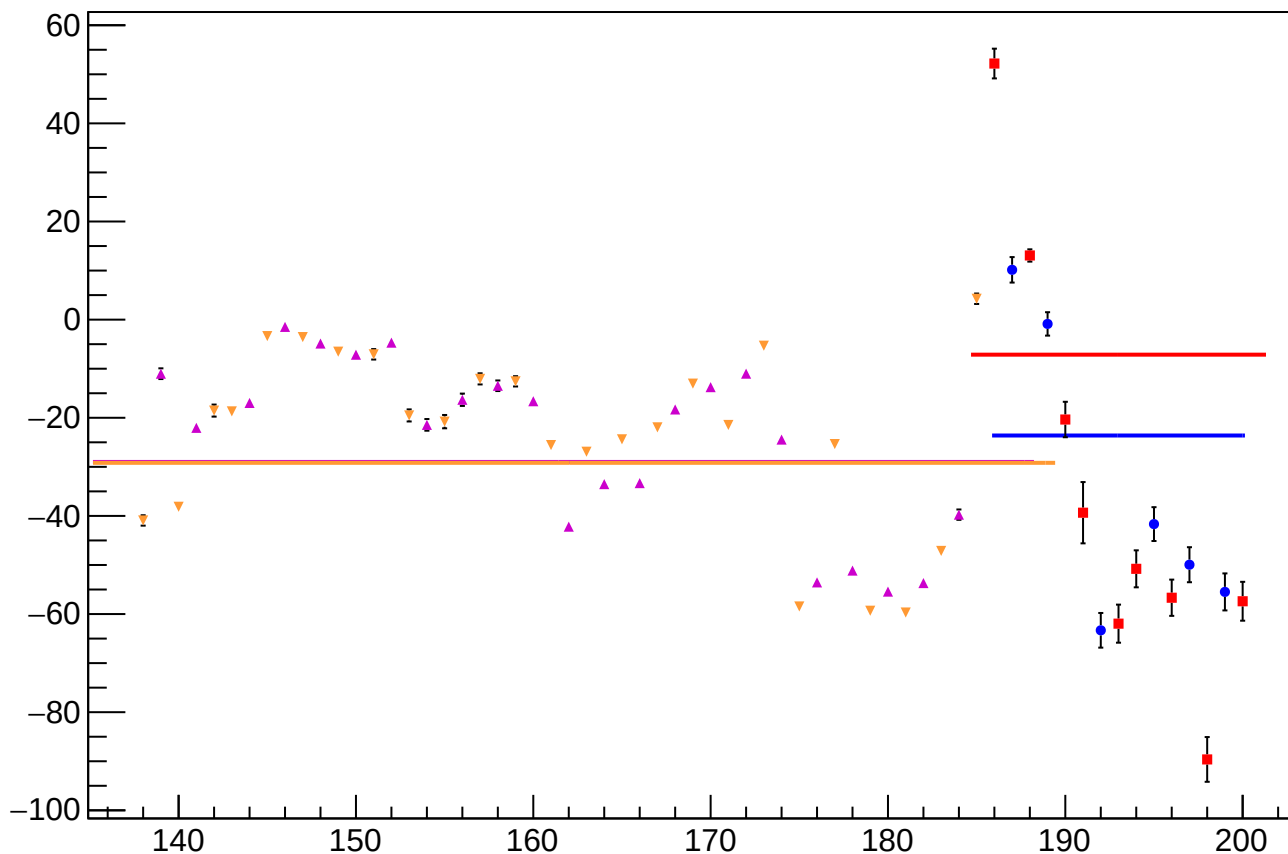
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.140 ± 0.006 χ^2/NDF : 3368.3/30

All: -0.130 ± 0.004 χ^2/NDF : 8135.5/62

- sign -0.120 ± 0.006 χ^2/NDF : 4760.9/31

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -23.614 ± 1.253 $\chi^2/\text{NDF}: 539.7/5$

Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$

Right Out: -7.138 ± 0.924 $\chi^2/\text{NDF}: 1685.8/8$

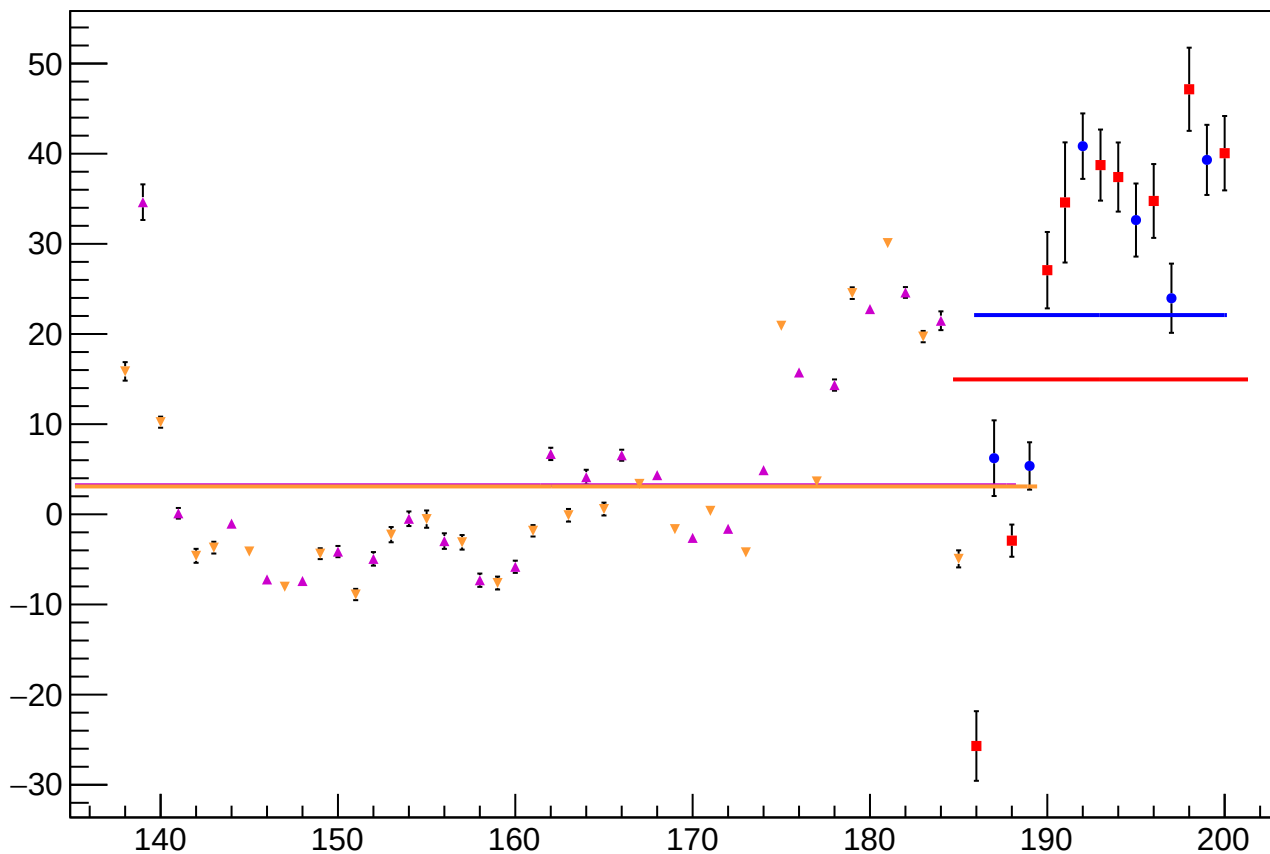
Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -29.094 ± 0.156 $\chi^2/\text{NDF}: 17471.3/30$

All: -28.736 ± 0.111 $\chi^2/\text{NDF}: 33128.3/62$

- sign -28.368 ± 0.157 $\chi^2/\text{NDF}: 15646.1/31$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 22.100 ± 1.455 $\chi^2/\text{NDF}: 108.1/5$

Left Out: 3.091 ± 0.124 $\chi^2/\text{NDF}: 8084.1/24$

Right Out: 14.962 ± 1.149 $\chi^2/\text{NDF}: 407.9/8$

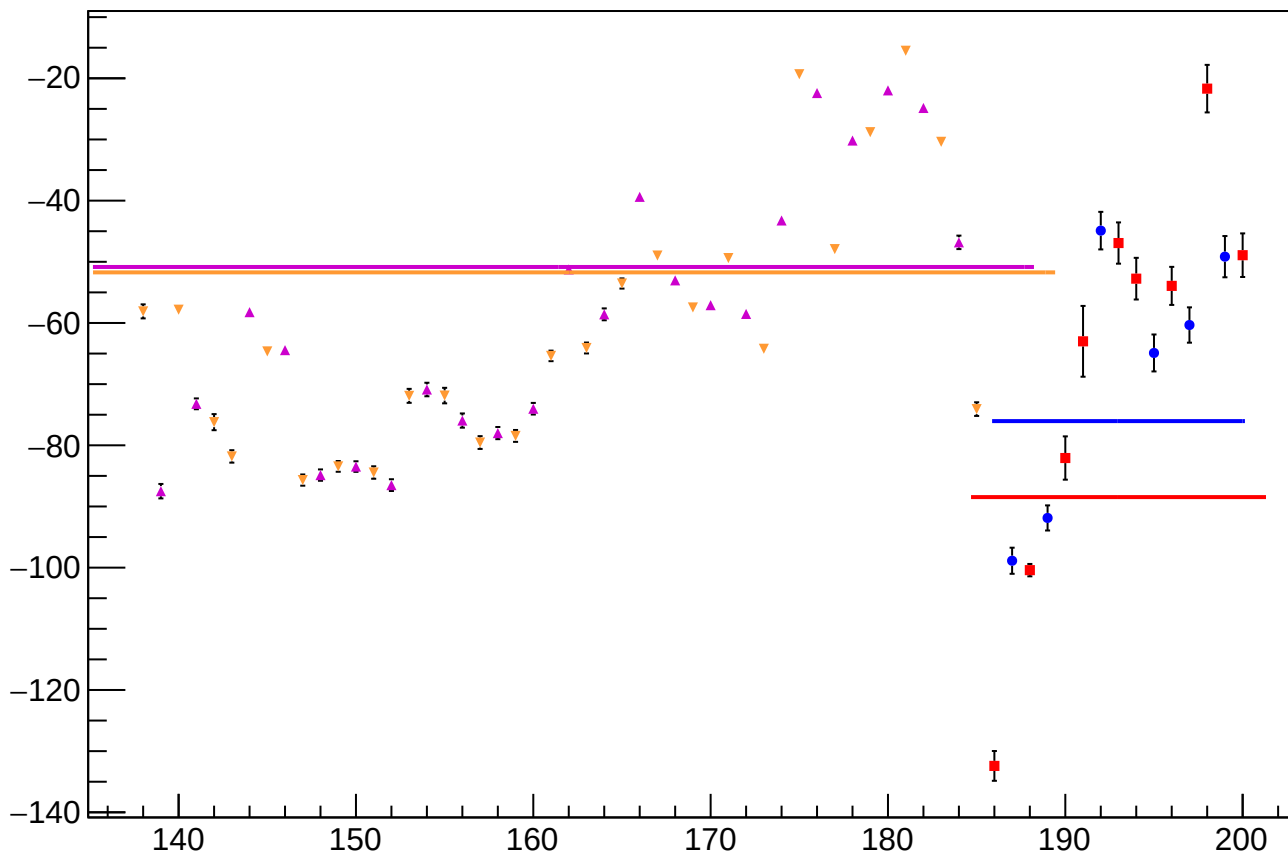
Left In: 3.221 ± 0.127 $\chi^2/\text{NDF}: 6237.6/22$

+ sign 3.229 ± 0.124 $\chi^2/\text{NDF}: 8361.6/30$

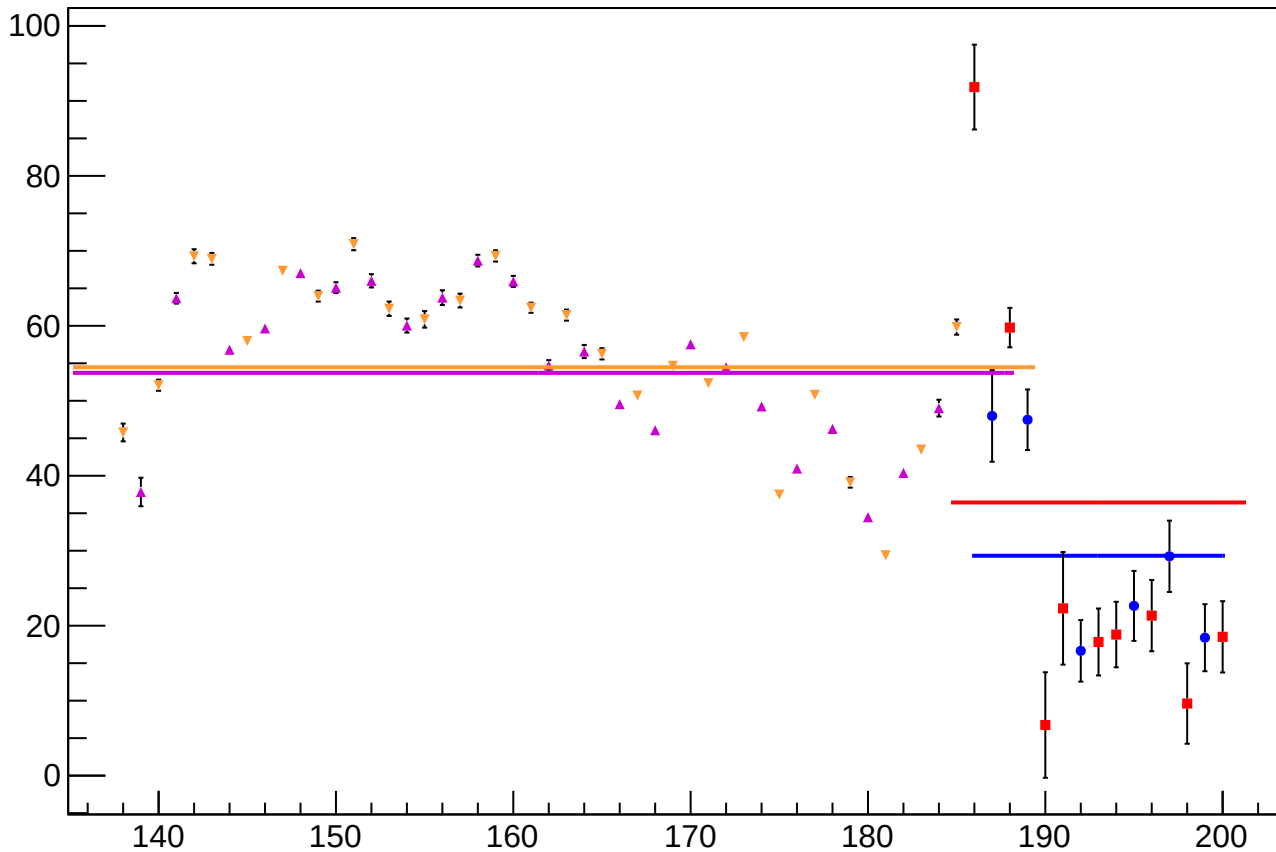
All: 3.294 ± 0.088 $\chi^2/\text{NDF}: 15110.7/62$

- sign 3.363 ± 0.126 $\chi^2/\text{NDF}: 6748.6/31$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 29.331 $\pm$ 1.865 χ^2 /NDF: 47.0/5

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

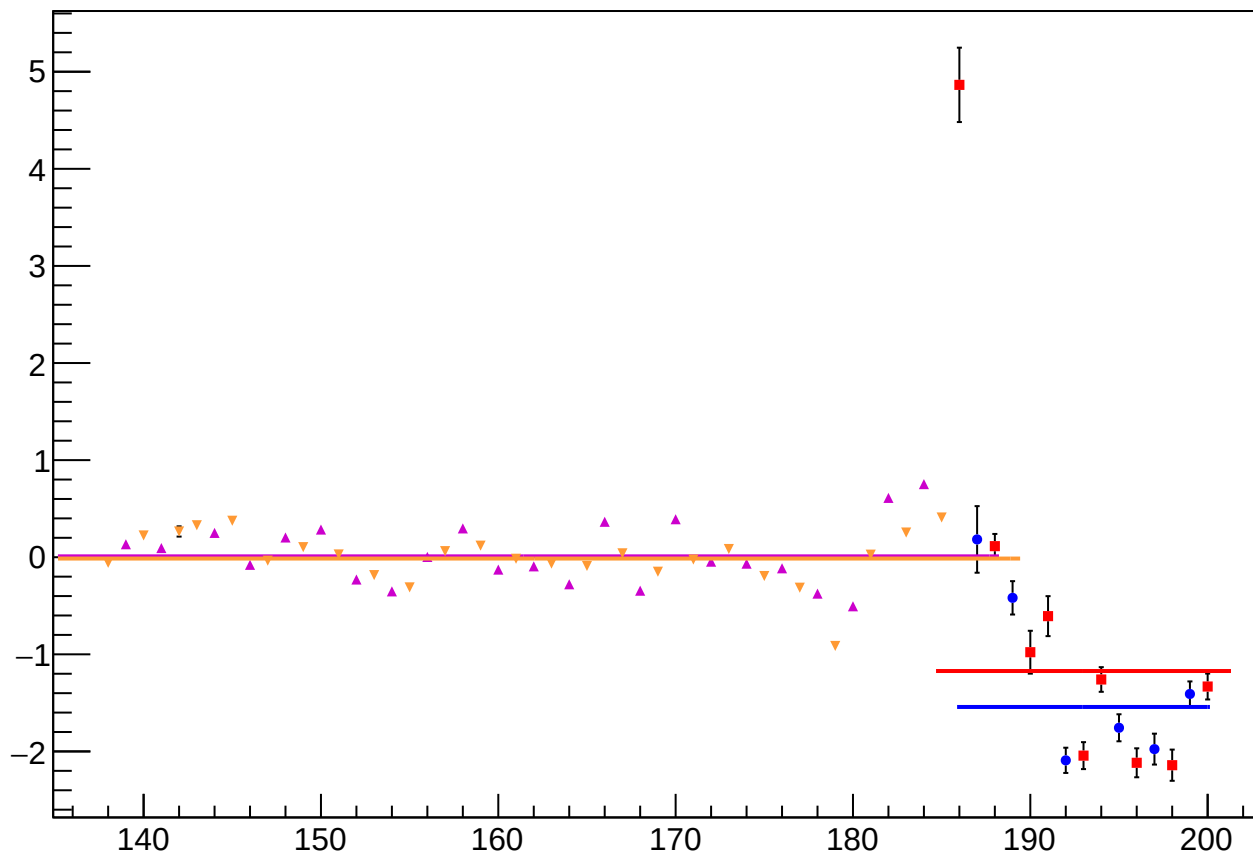
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 54.335 $\pm$ 0.140 χ^2 /NDF: 6494.6/30

All: 53.959 $\pm$ 0.100 χ^2 /NDF: 11503.8/62

- sign 53.569 $\pm$ 0.142 χ^2 /NDF: 4994.5/31

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.542 ± 0.063 χ^2/NDF : 96.9/5

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -1.172 ± 0.052 χ^2/NDF : 479.2/8

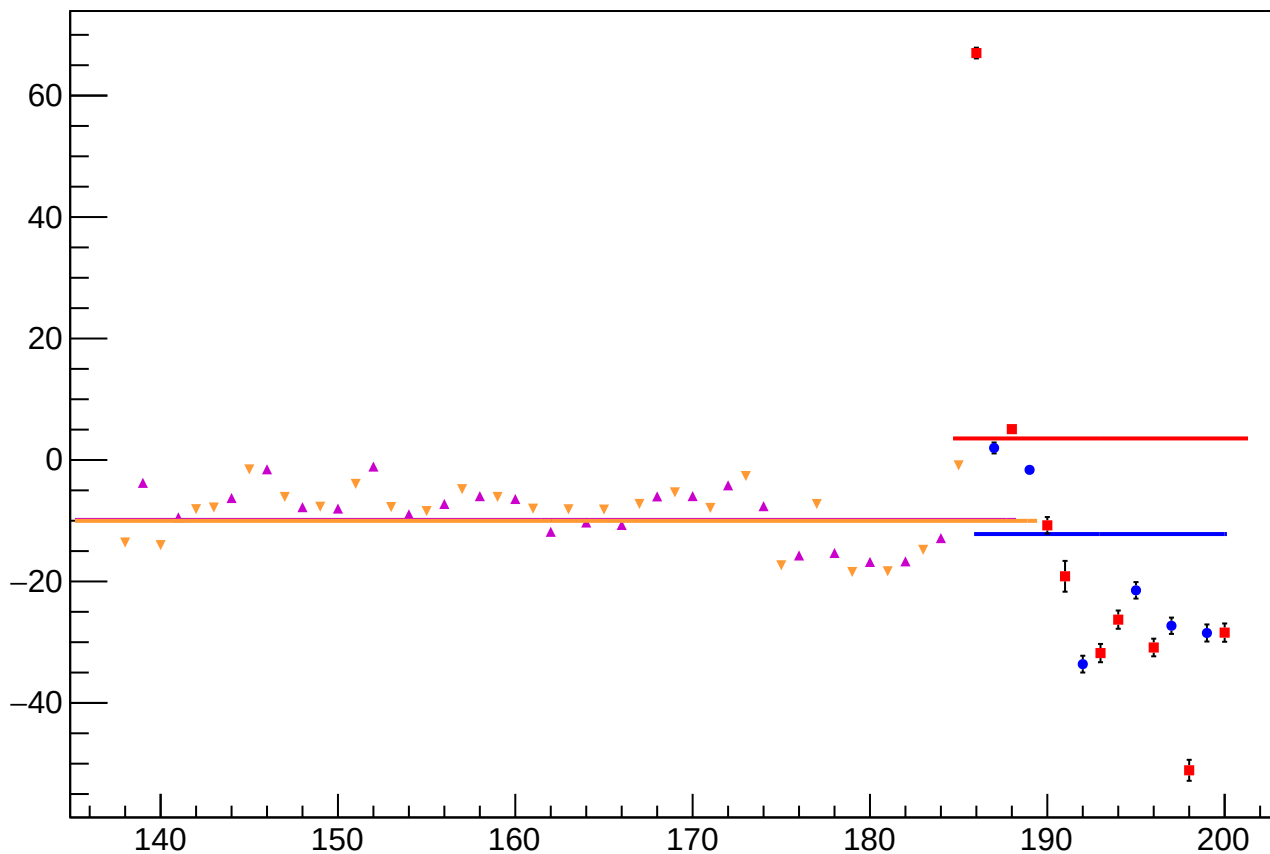
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.029 ± 0.006 χ^2/NDF : 2335.6/30

All: -0.020 ± 0.005 χ^2/NDF : 5545.5/62

- sign -0.009 ± 0.007 χ^2/NDF : 3205.1/31

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -12.193 ± 0.456 χ^2/NDF : 956.7/5

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: 3.547 ± 0.331 χ^2/NDF : 8302.9/8

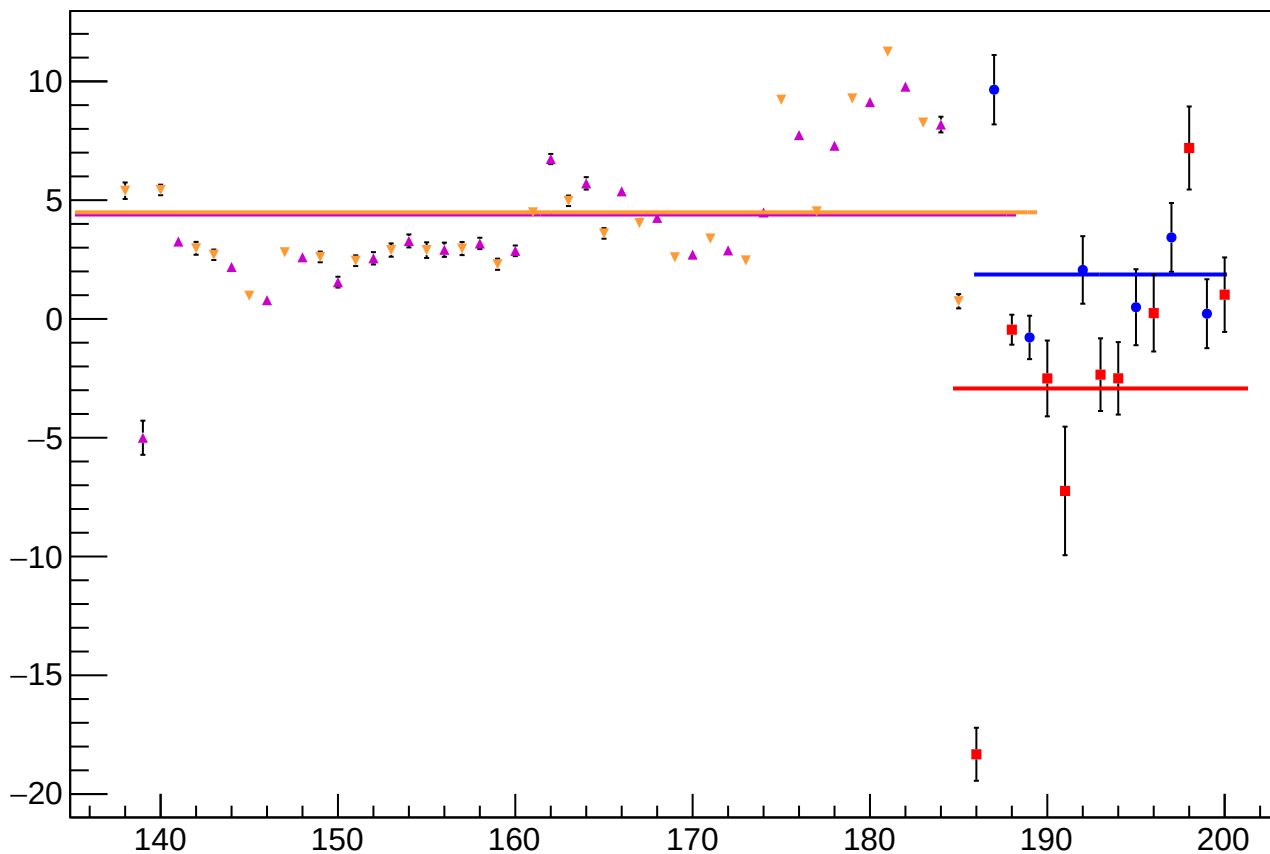
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -10.043 ± 0.050 χ^2/NDF : 13532.0/30

All: -9.798 ± 0.036 χ^2/NDF : 32833.8/62

- sign -9.549 ± 0.051 χ^2/NDF : 19254.0/31

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.871 ± 0.534 $\chi^2/\text{NDF}: 40.0/5$

Left Out: 4.489 ± 0.041 $\chi^2/\text{NDF}: 4832.3/24$

Right Out: -2.927 ± 0.415 $\chi^2/\text{NDF}: 252.3/8$

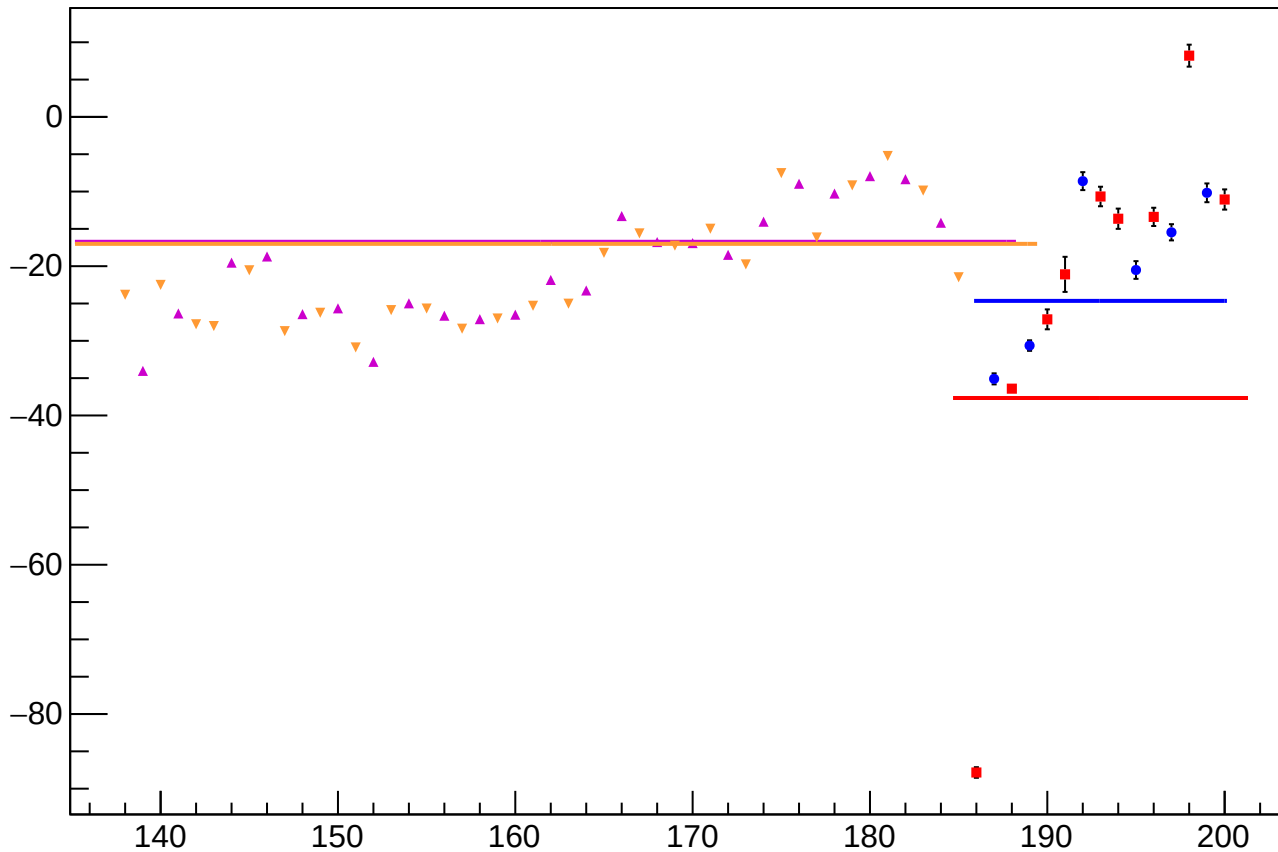
Left In: 4.396 ± 0.041 $\chi^2/\text{NDF}: 4230.4/22$

+ sign 4.474 ± 0.041 $\chi^2/\text{NDF}: 4896.2/30$

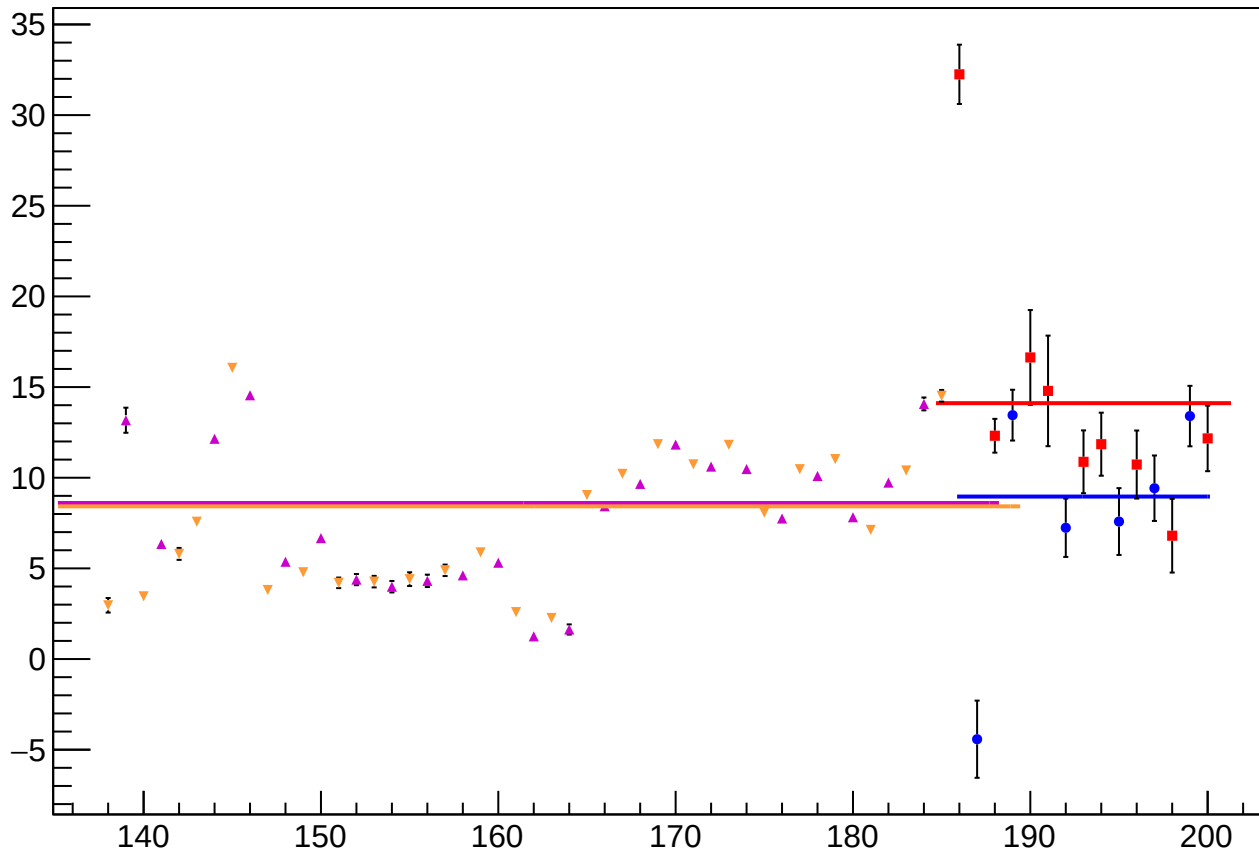
All: 4.400 ± 0.029 $\chi^2/\text{NDF}: 9694.5/62$

- sign 4.324 ± 0.041 $\chi^2/\text{NDF}: 4791.6/31$

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 8.962 $\pm$ 0.694 χ^2/NDF : 58.7/5

Left Out: 8.422 $\pm$ 0.046 χ^2/NDF : 6470.1/24

Right Out: 14.113 $\pm$ 0.552 χ^2/NDF : 150.3/8

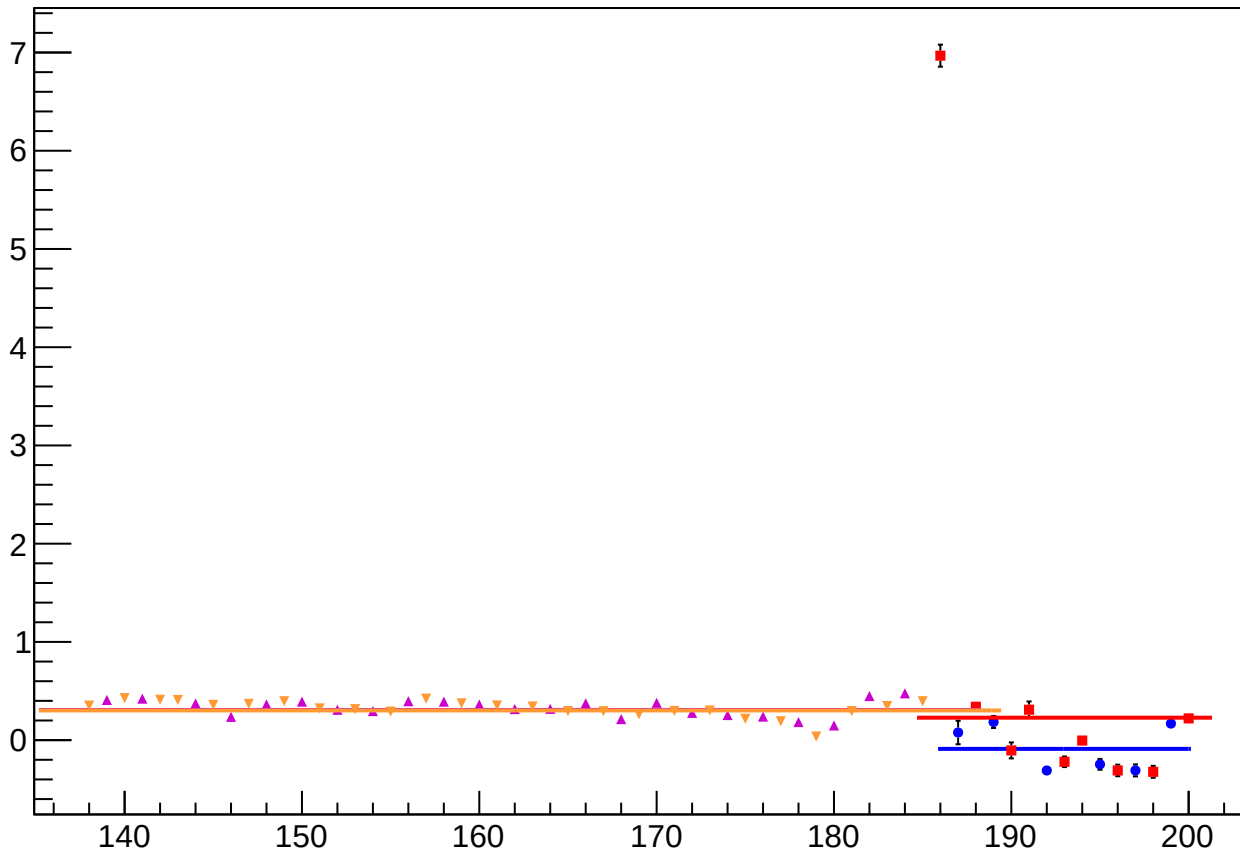
Left In: 8.606 $\pm$ 0.046 χ^2/NDF : 5504.2/22

+ sign 8.424 $\pm$ 0.045 χ^2/NDF : 6529.4/30

All: 8.533 $\pm$ 0.032 χ^2/NDF : 12294.2/62

- sign 8.645 $\pm$ 0.046 χ^2/NDF : 5753.2/31

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: -0.089±/-0.024 χ^2/NDF : 90.4/5

Left Out: 0.302±/-0.002 χ^2/NDF :1590.9/24

Right Out: 0.229±/-0.020 χ^2/NDF : 3887.7/8

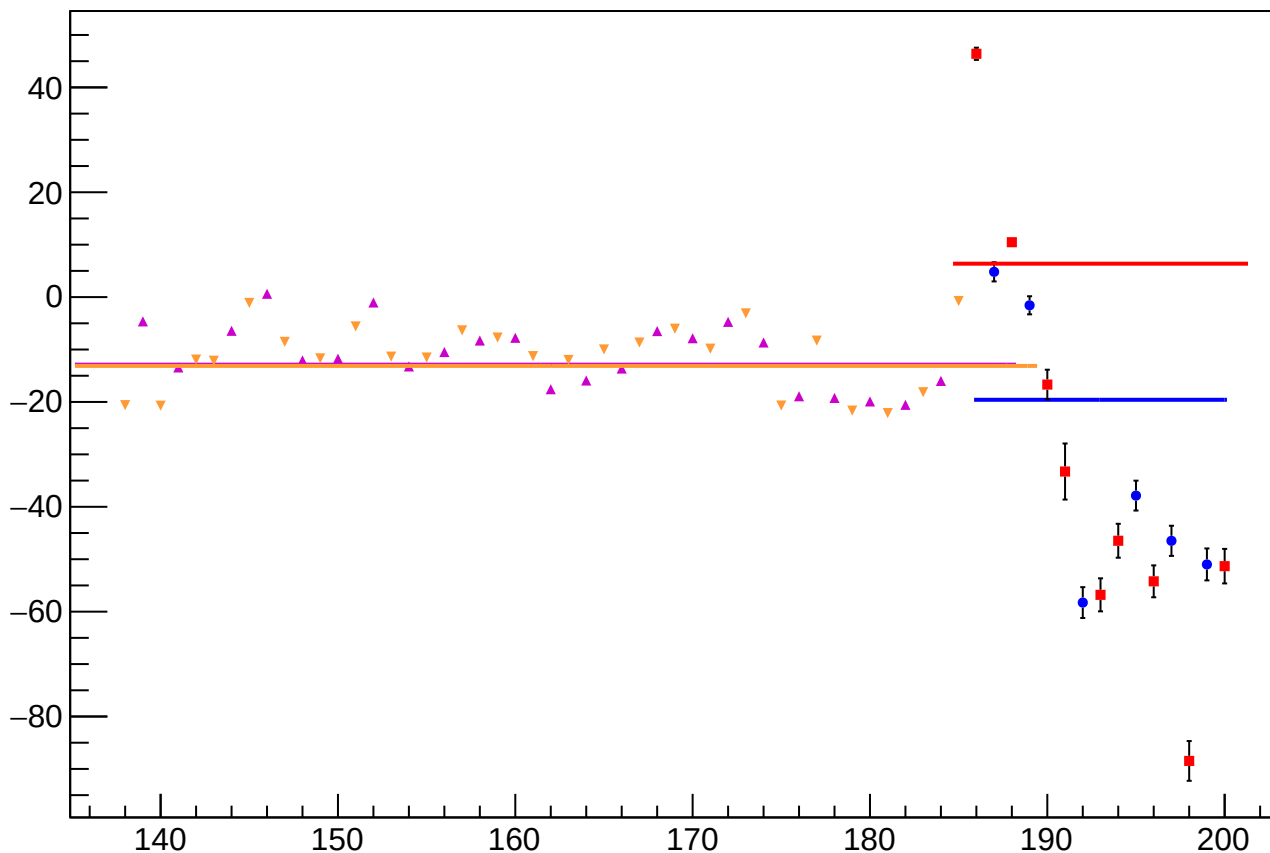
Left In: 0.307±/-0.002 χ^2/NDF :1699.5/22

+ sign 0.300±/-0.002 χ^2/NDF : 1947.8/30

All: 0.303±/-0.001 χ^2/NDF : 7555.9/62

- sign 0.306±/-0.002 χ^2/NDF : 5602.8/31

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -19.587 ± 0.953 χ^2/NDF : 694.7/5

Left Out: -13.125 ± 0.094 χ^2/NDF : 5977.6/24

Right Out: 6.375 ± 0.631 χ^2/NDF : 3316.5/8

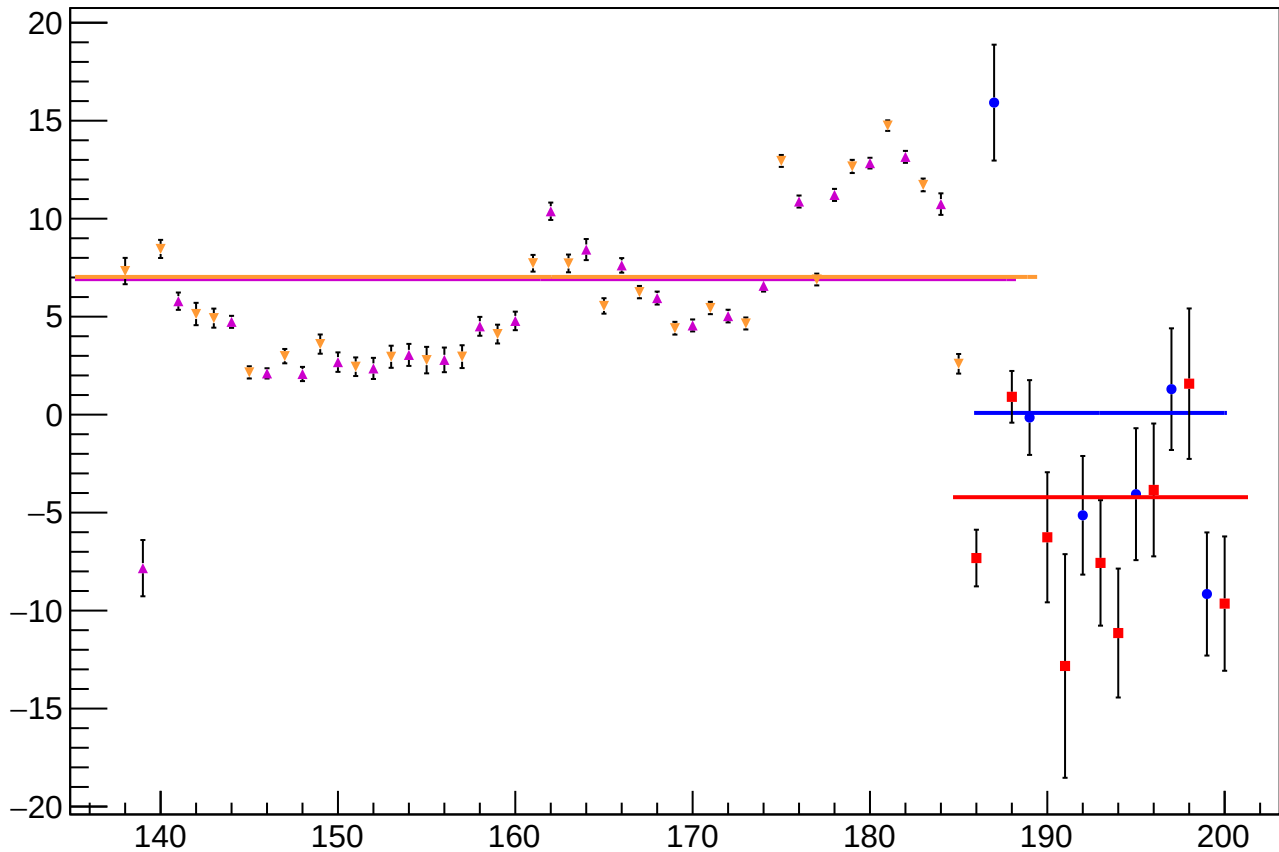
Left In: -12.885 ± 0.095 χ^2/NDF : 4776.2/22

+ sign -13.187 ± 0.093 χ^2/NDF : 6717.9/30

All: -12.825 ± 0.066 χ^2/NDF : 15751.8/62

- sign -12.458 ± 0.094 χ^2/NDF : 9003.6/31

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.088 $\pm$ 1.124 χ^2 /NDF: 42.0/5

Left Out: 7.028 $\pm$ 0.077 χ^2 /NDF:2665.3/24

Right Out: -4.213 $\pm$ 0.790 χ^2 /NDF: 32.7/8

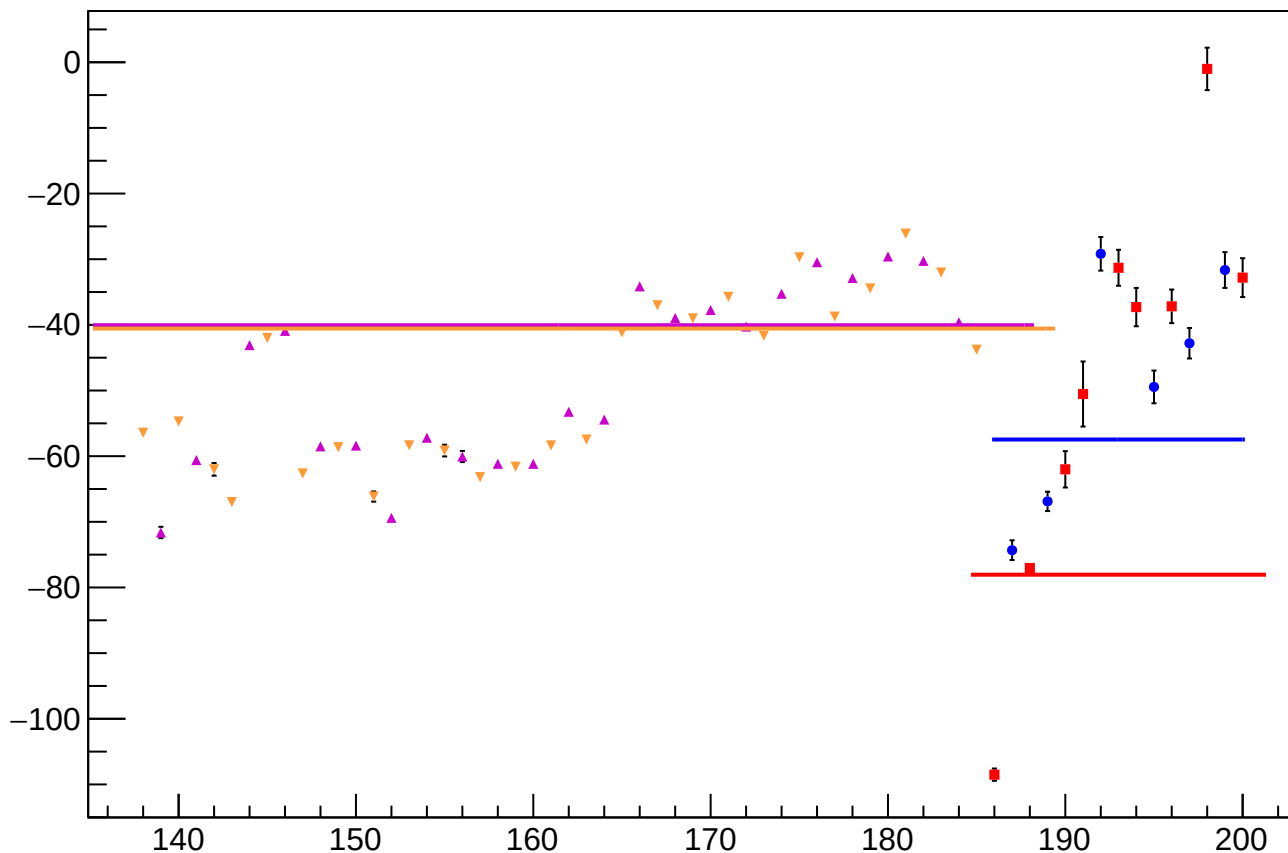
Left In: 6.914 $\pm$ 0.078 χ^2 /NDF:2428.2/22

+ sign 6.995 $\pm$ 0.077 χ^2 /NDF: 2745.2/30

All: 6.902 $\pm$ 0.055 χ^2 /NDF: 5405.8/62

- sign 6.807 $\pm$ 0.077 χ^2 /NDF: 2657.6/31

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -57.462 ± 0.806 χ^2/NDF : 428.9/5

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -78.055 ± 0.520 χ^2/NDF : 2667.2/8

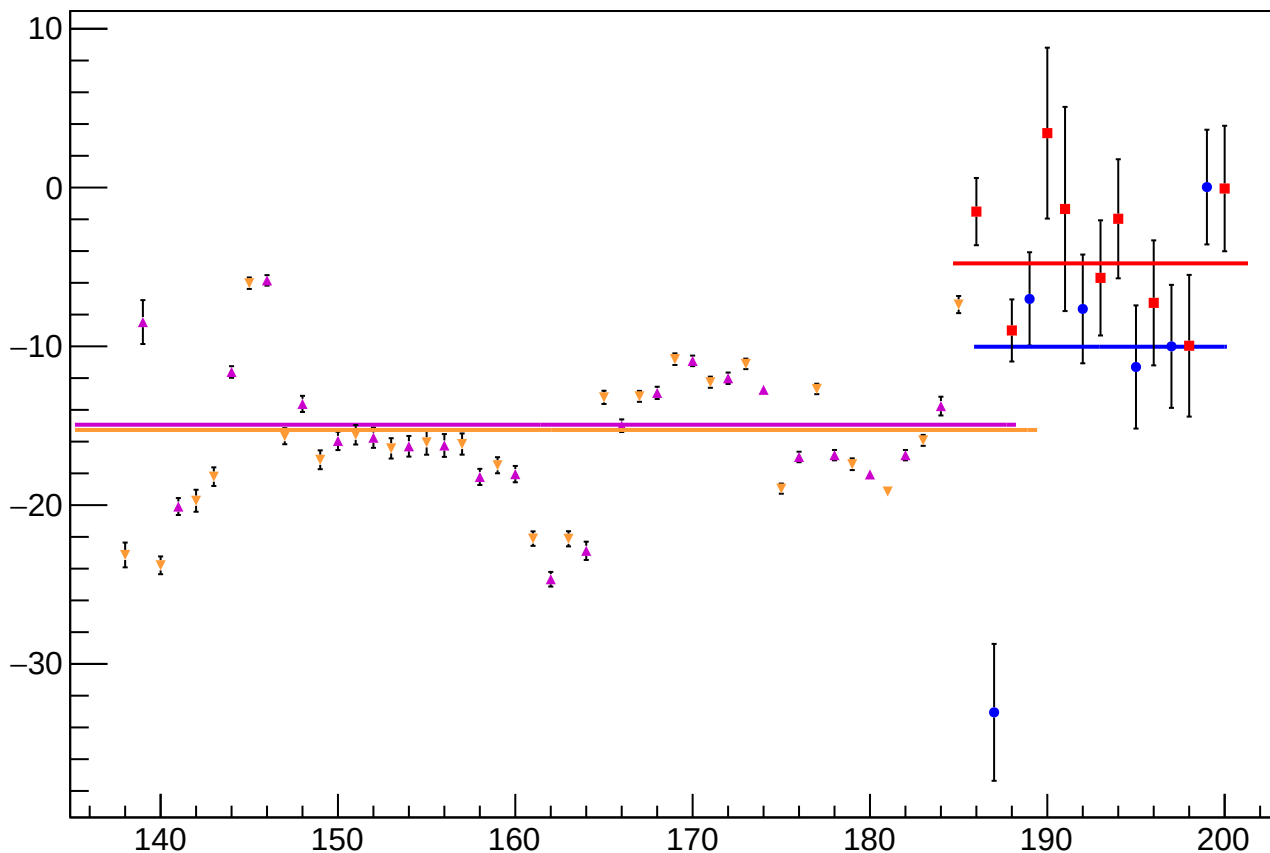
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -40.793 ± 0.094 χ^2/NDF : 16499.9/30

All: -41.045 ± 0.067 χ^2/NDF : 38272.5/62

- sign -41.297 ± 0.094 χ^2/NDF : 21758.3/31

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -10.025 ± 1.467 $\chi^2/\text{NDF}: 37.9/5$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -4.776 ± 1.073 $\chi^2/\text{NDF}: 13.4/8$

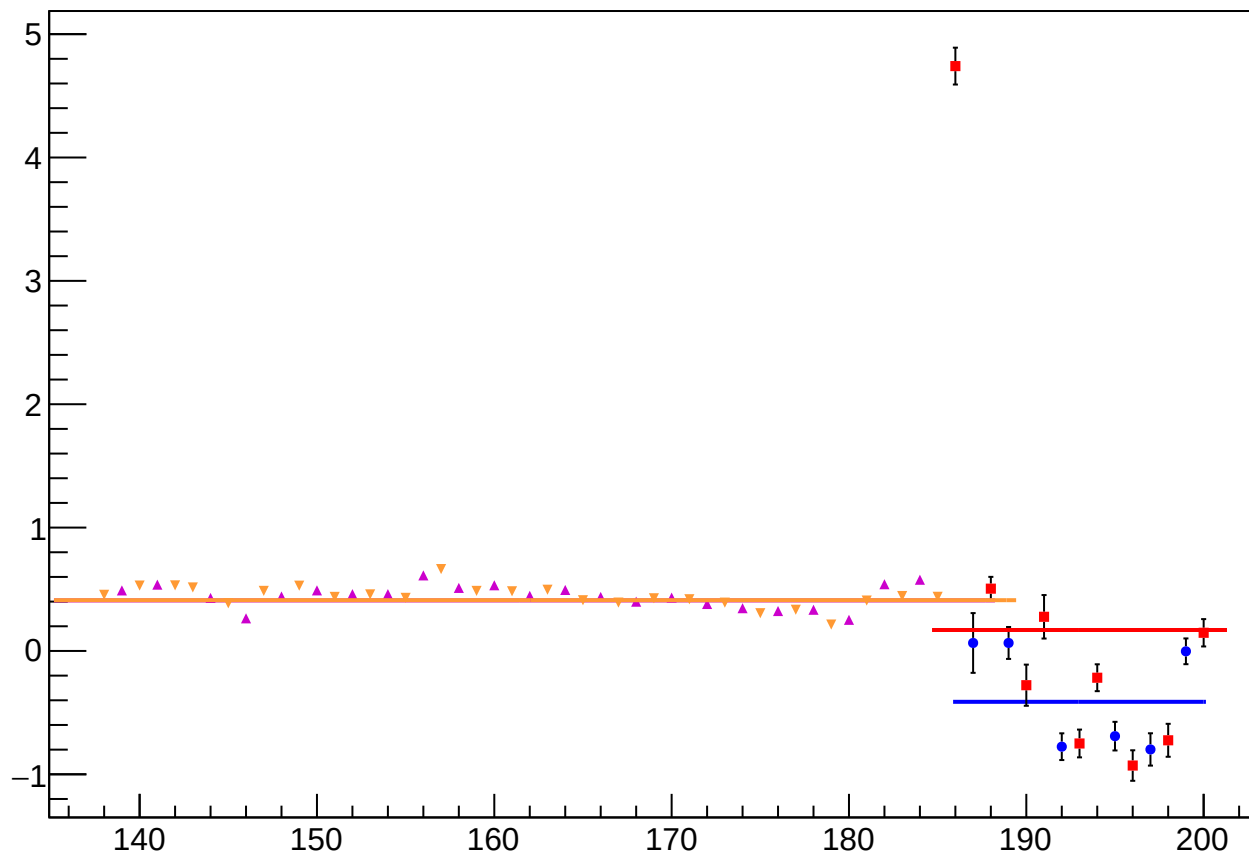
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.248 ± 0.086 $\chi^2/\text{NDF}: 2646.1/30$

All: -15.061 ± 0.061 $\chi^2/\text{NDF}: 4958.0/62$

- sign -14.870 ± 0.087 $\chi^2/\text{NDF}: 2302.3/31$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: -0.412 $\pm$ 0.051 χ^2 /NDF: 58.6/5

Left Out: 0.411 $\pm$ 0.004 χ^2 /NDF: 428.7/24

Right Out: 0.170 $\pm$ 0.041 χ^2 /NDF: 1159.4/8

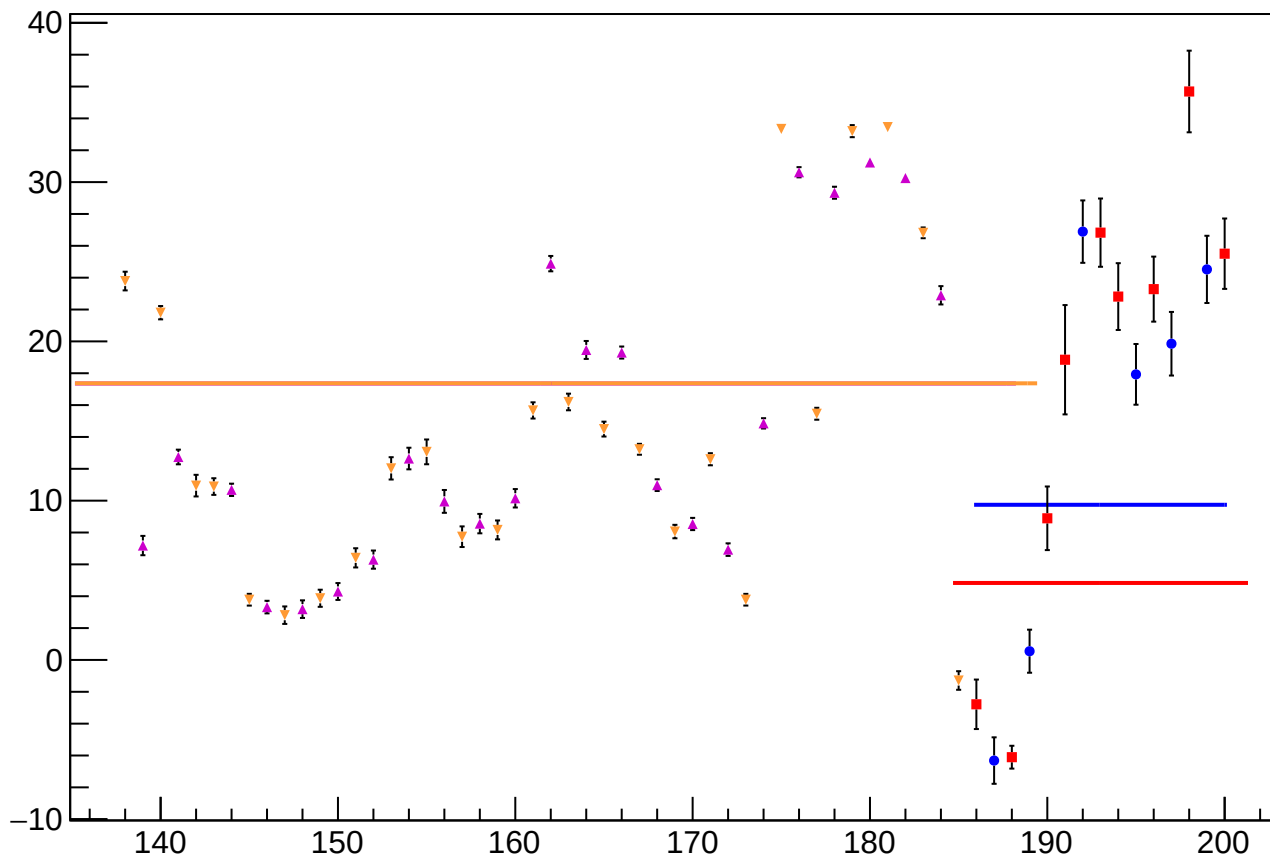
Left In: 0.409 $\pm$ 0.004 χ^2 /NDF: 557.8/22

+ sign 0.407 $\pm$ 0.004 χ^2 /NDF: 747.8/30

All: 0.407 $\pm$ 0.003 χ^2 /NDF: 2498.5/62

- sign 0.407 $\pm$ 0.004 χ^2 /NDF: 1750.7/31

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 9.741 ± 0.702 χ^2/NDF : 337.2/5

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: 4.833 ± 0.517 χ^2/NDF : 770.8/8

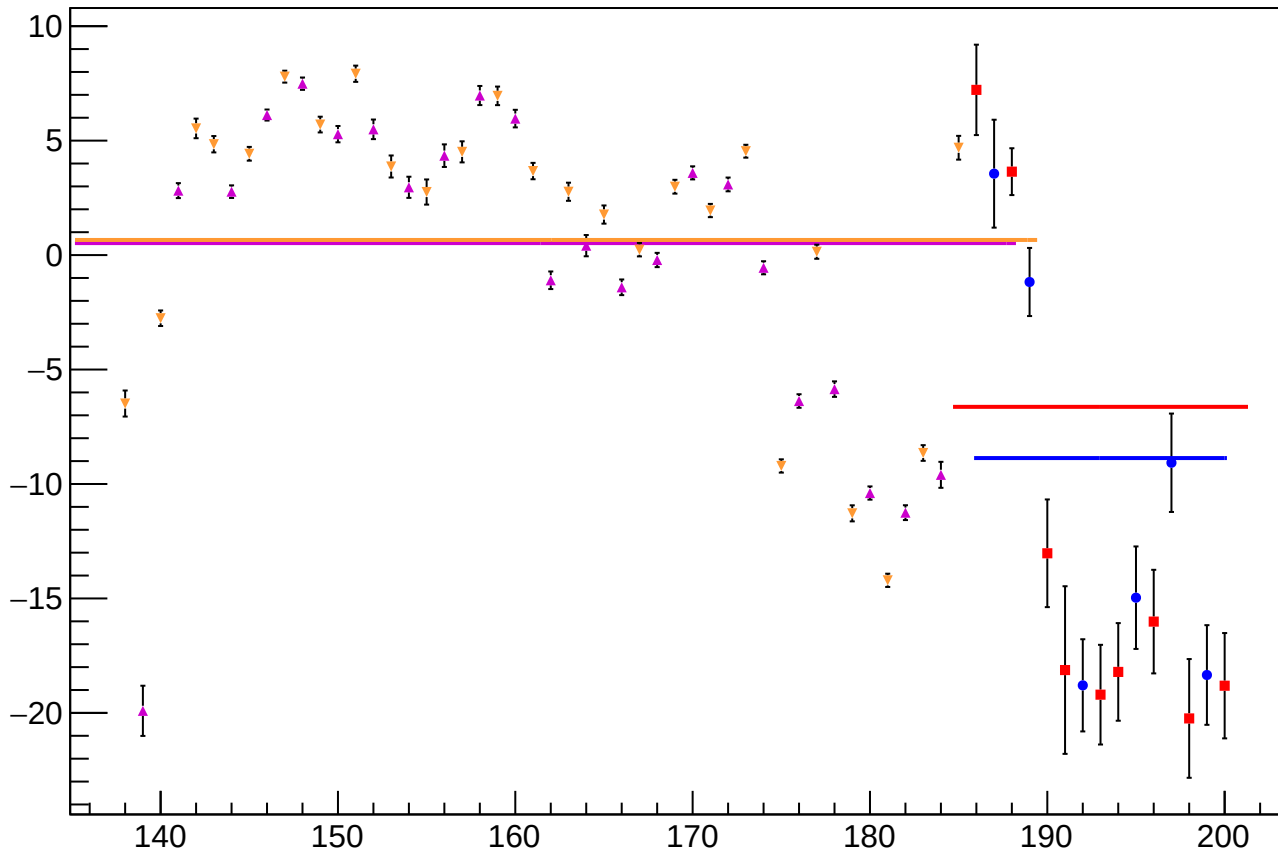
Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

+ sign 17.252 ± 0.086 χ^2/NDF : 16791.1/30

All: 17.125 ± 0.062 χ^2/NDF : 30880.7/62

- sign 16.996 ± 0.088 χ^2/NDF : 14085.3/31

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -8.867 ± 0.815 $\chi^2/\text{NDF}: 105.2/5$

Left Out: 0.661 ± 0.069 $\chi^2/\text{NDF}: 8553.9/24$

Right Out: -6.630 ± 0.641 $\chi^2/\text{NDF}: 302.9/8$

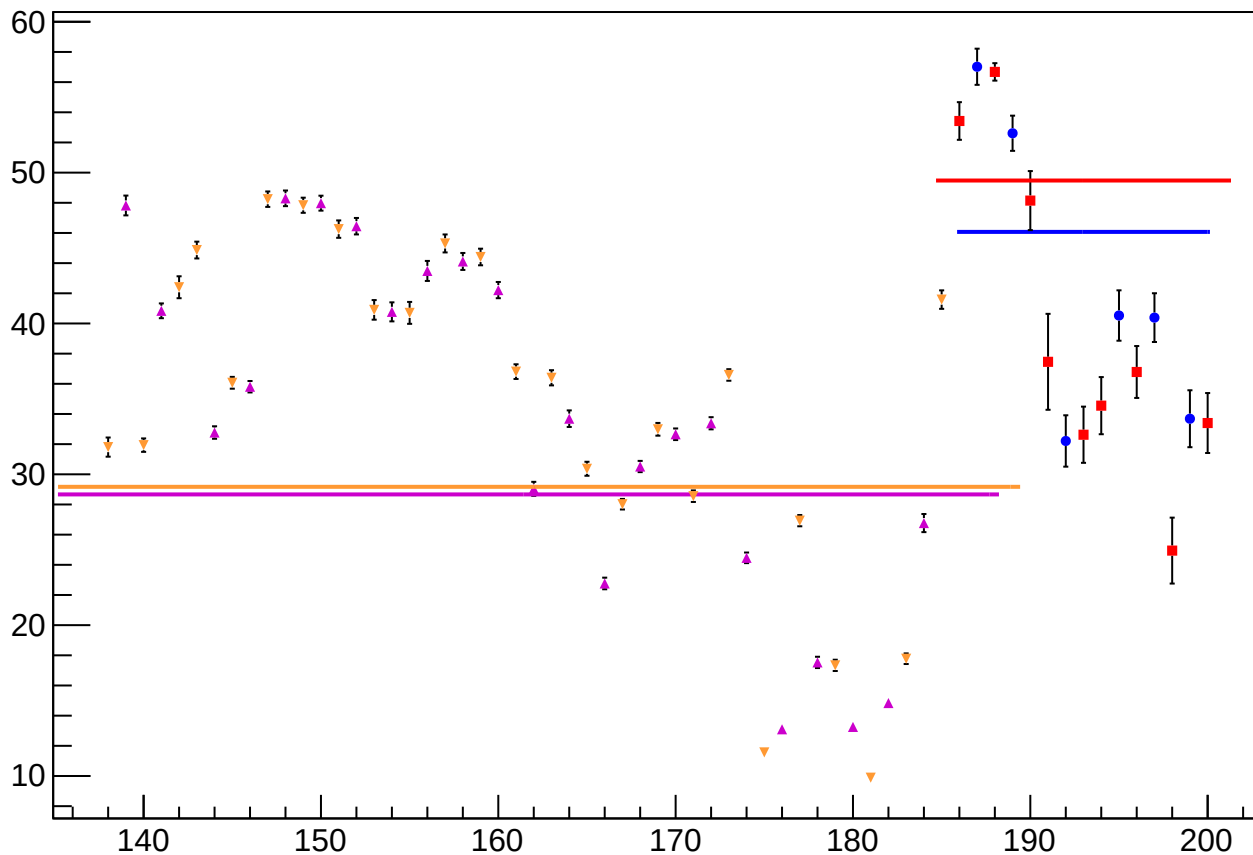
Left In: 0.524 ± 0.071 $\chi^2/\text{NDF}: 6729.7/22$

+ sign 0.592 ± 0.069 $\chi^2/\text{NDF}: 8794.7/30$

All: 0.516 ± 0.049 $\chi^2/\text{NDF}: 15952.7/62$

- sign 0.438 ± 0.070 $\chi^2/\text{NDF}: 7155.5/31$

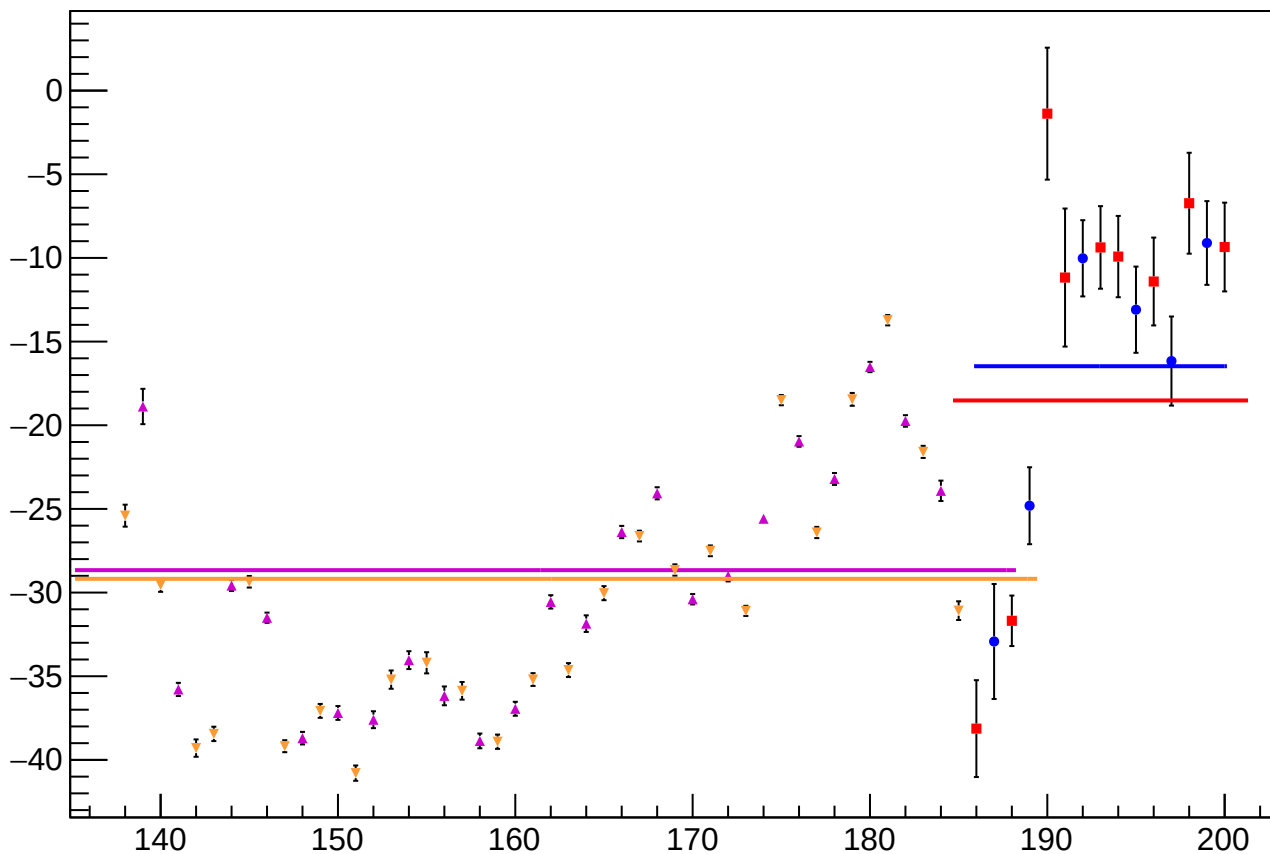
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 46.071 $\pm$ 0.598 χ^2 /NDF: 247.5/5
 Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24
 Right Out: 49.477 $\pm$ 0.432 χ^2 /NDF: 569.5/8
 Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 29.528 $\pm$ 0.087 χ^2 /NDF: 20004.3/30
 All: 29.522 $\pm$ 0.062 χ^2 /NDF: 39646.0/62
 - sign 29.516 $\pm$ 0.087 χ^2 /NDF: 19641.7/31

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -16.473 ± 1.044 $\chi^2/\text{NDF}: 54.5/5$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -18.518 ± 0.841 $\chi^2/\text{NDF}: 204.9/8$

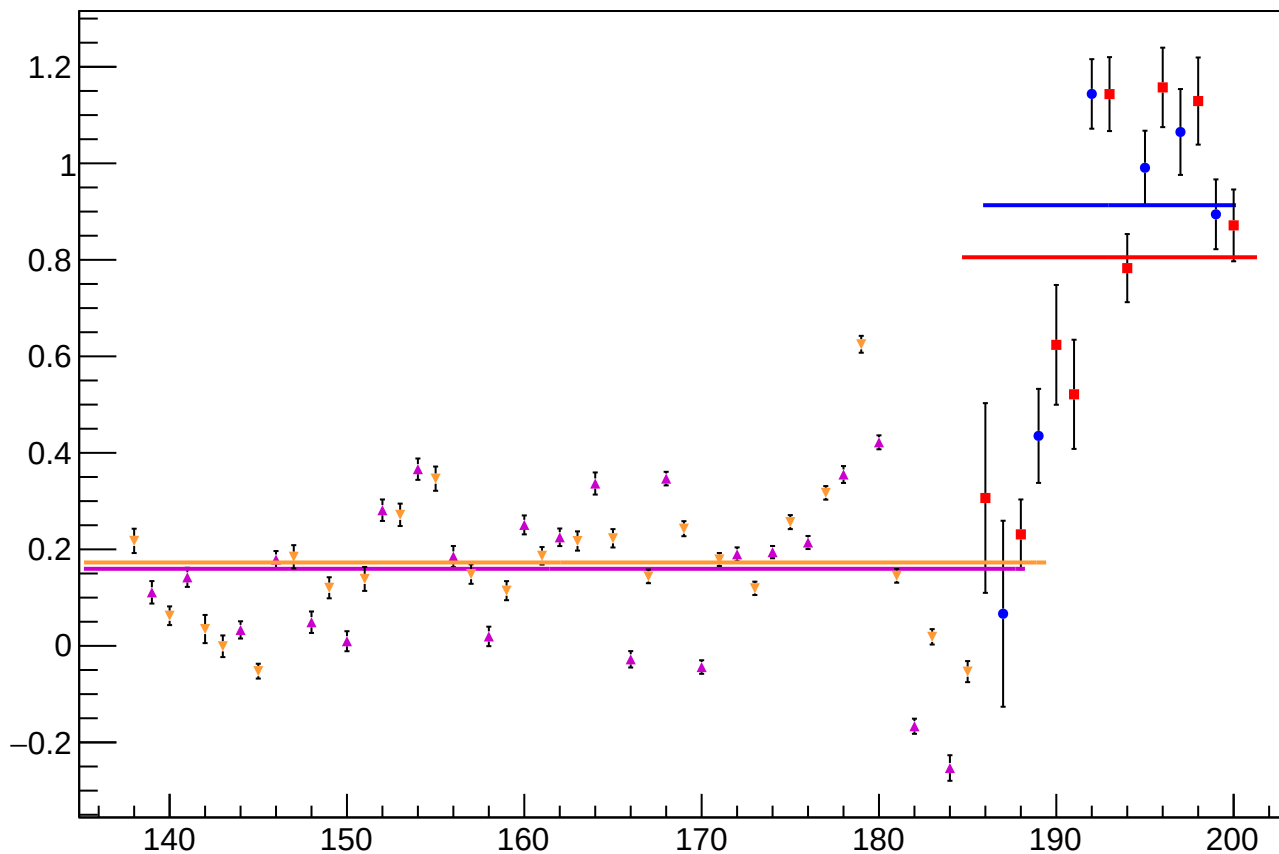
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -29.107 ± 0.078 $\chi^2/\text{NDF}: 9283.3/30$

All: -28.844 ± 0.056 $\chi^2/\text{NDF}: 16325.6/62$

- sign -28.570 ± 0.079 $\chi^2/\text{NDF}: 7019.0/31$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.913 ± 0.035 $\chi^2/\text{NDF}: 57.6/5$

Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1478.5/24$

Right Out: 0.805 ± 0.029 $\chi^2/\text{NDF}: 129.4/8$

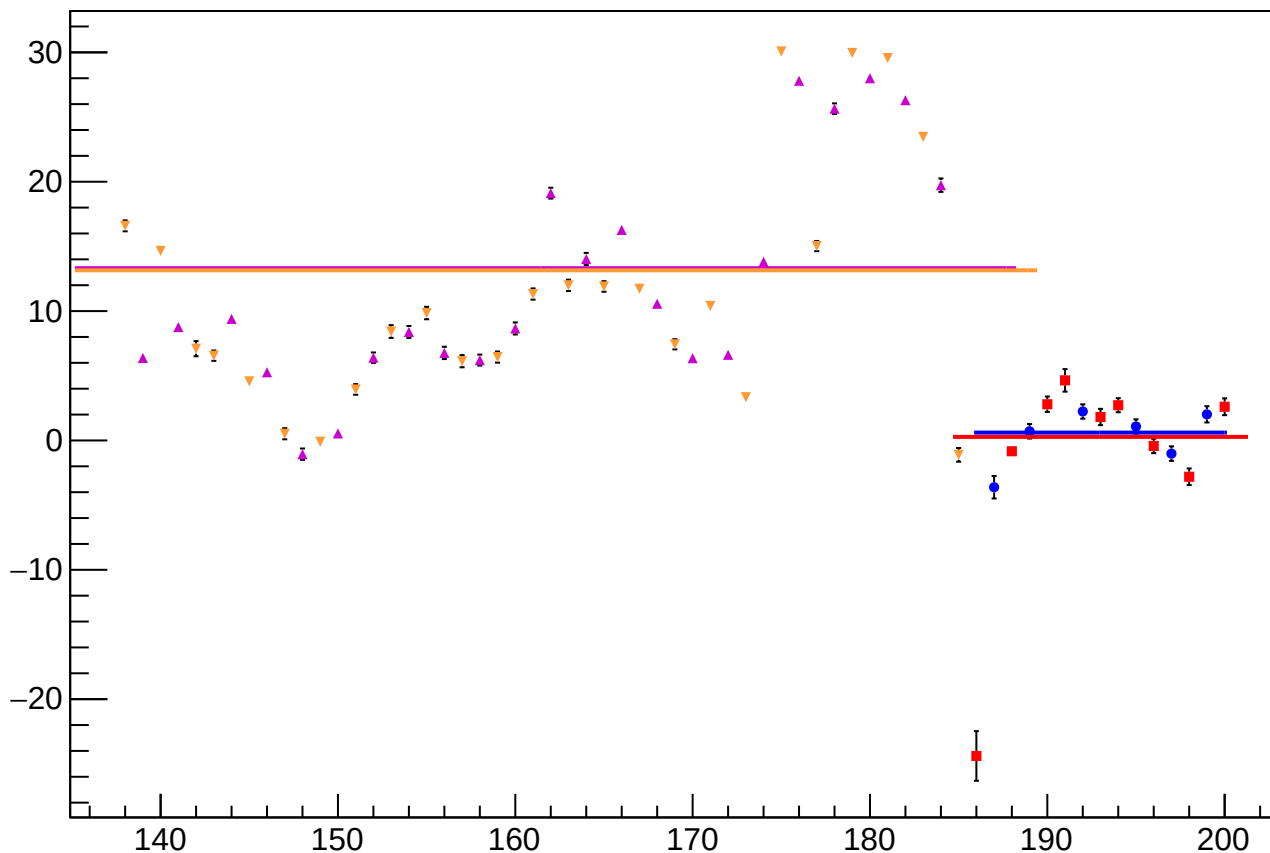
Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2057.9/22$

+ sign 0.180 ± 0.004 $\chi^2/\text{NDF}: 1976.5/30$

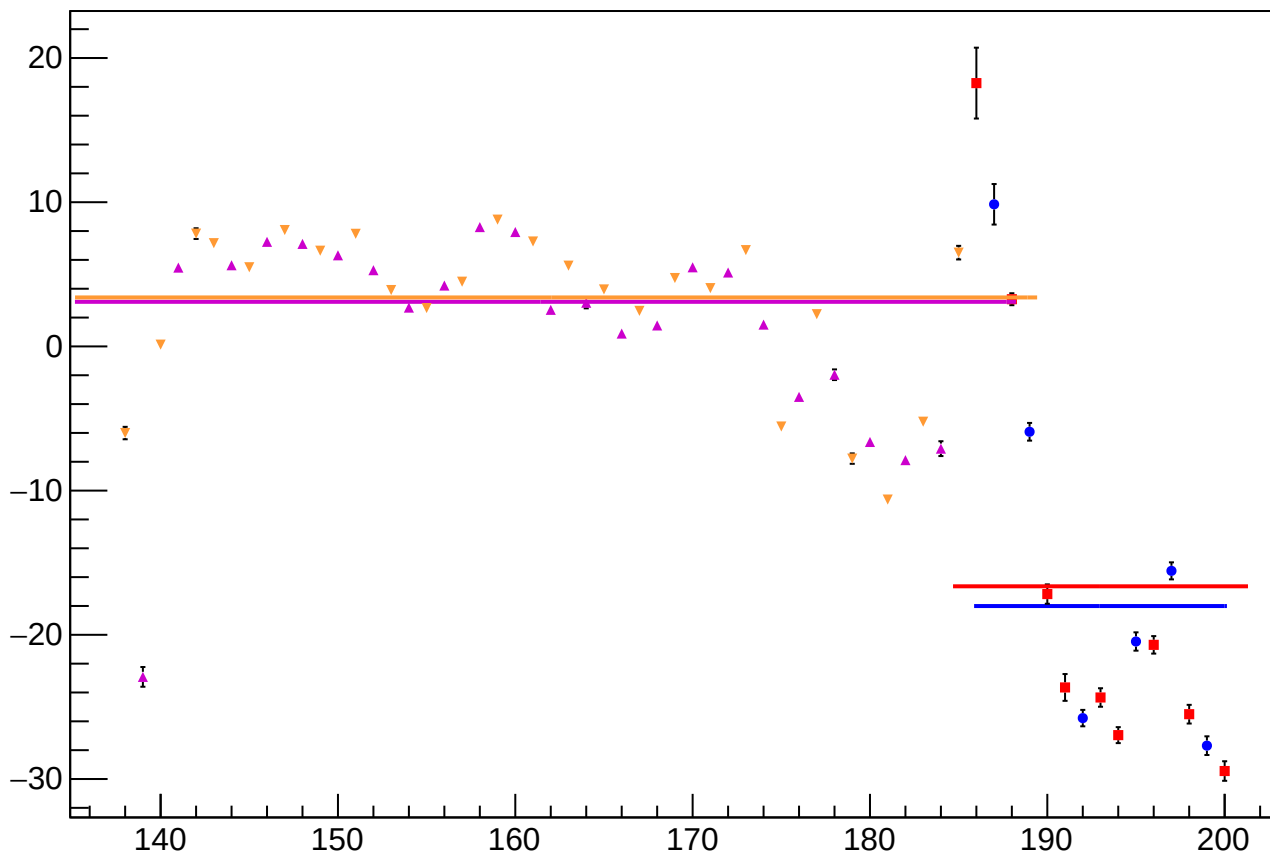
All: 0.175 ± 0.003 $\chi^2/\text{NDF}: 4653.2/62$

- sign 0.170 ± 0.004 $\chi^2/\text{NDF}: 2672.2/31$

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -18.006 ± 0.268 χ^2/NDF : 1222.3/5

Left Out: 3.396 ± 0.058 χ^2/NDF : 8101.5/24

Right Out: -16.637 ± 0.212 χ^2/NDF : 3647.9/8

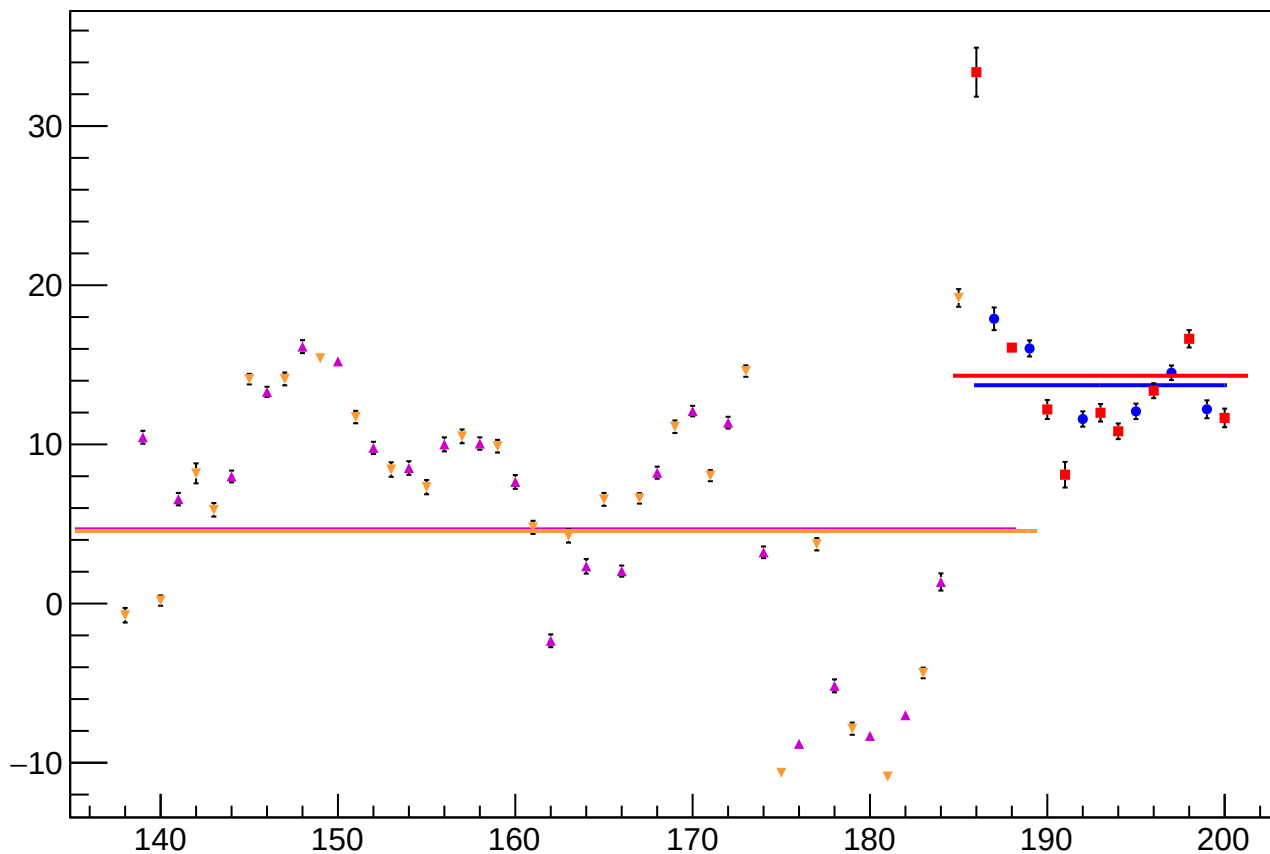
Left In: 3.092 ± 0.061 χ^2/NDF : 7104.4/22

+ sign 2.423 ± 0.057 χ^2/NDF : 15433.4/30

All: 2.019 ± 0.041 χ^2/NDF : 34322.1/62

- sign 1.598 ± 0.058 χ^2/NDF : 18786.3/31

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.717 $\pm$ 0.212 χ^2 /NDF: 95.9/5

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 14.314 $\pm$ 0.154 χ^2 /NDF: 395.9/8

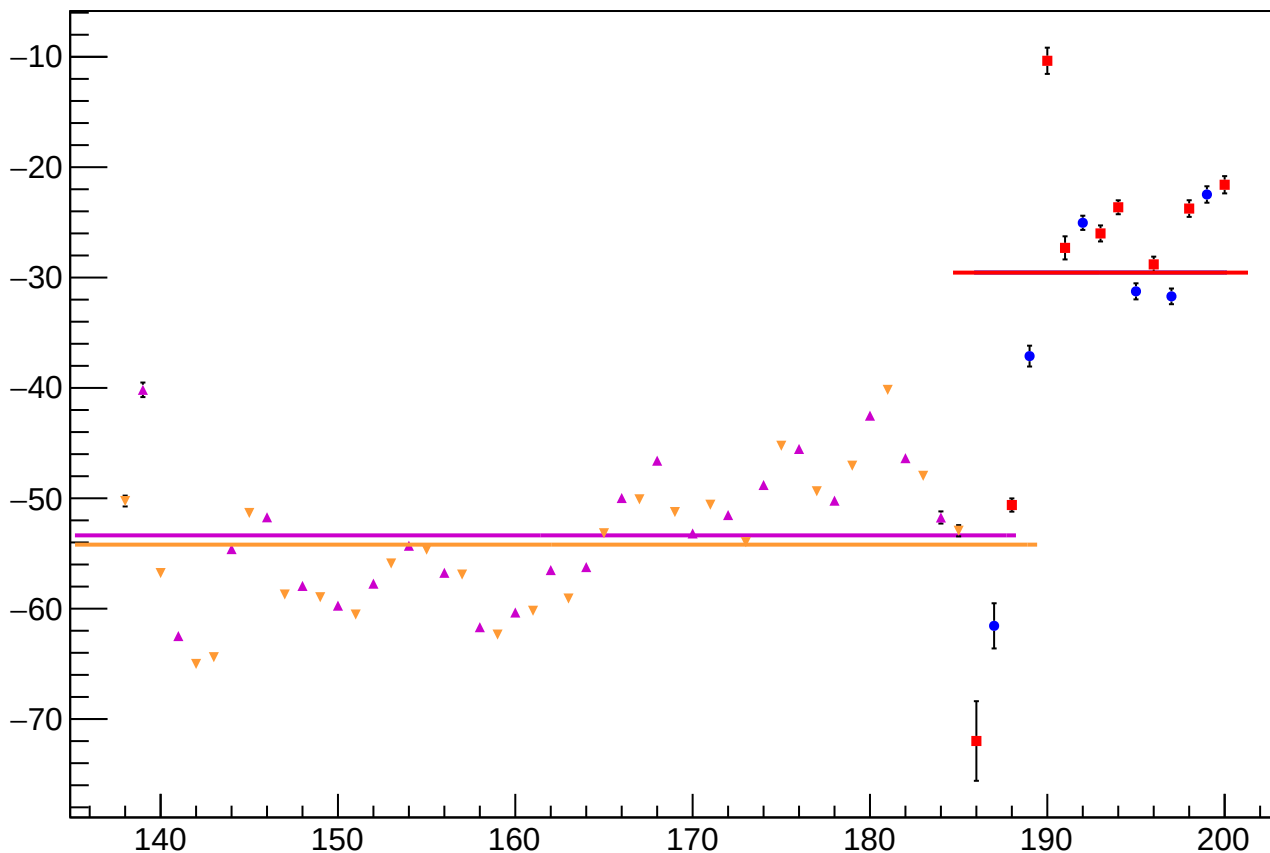
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 5.591 $\pm$ 0.071 χ^2 /NDF: 15347.6/30

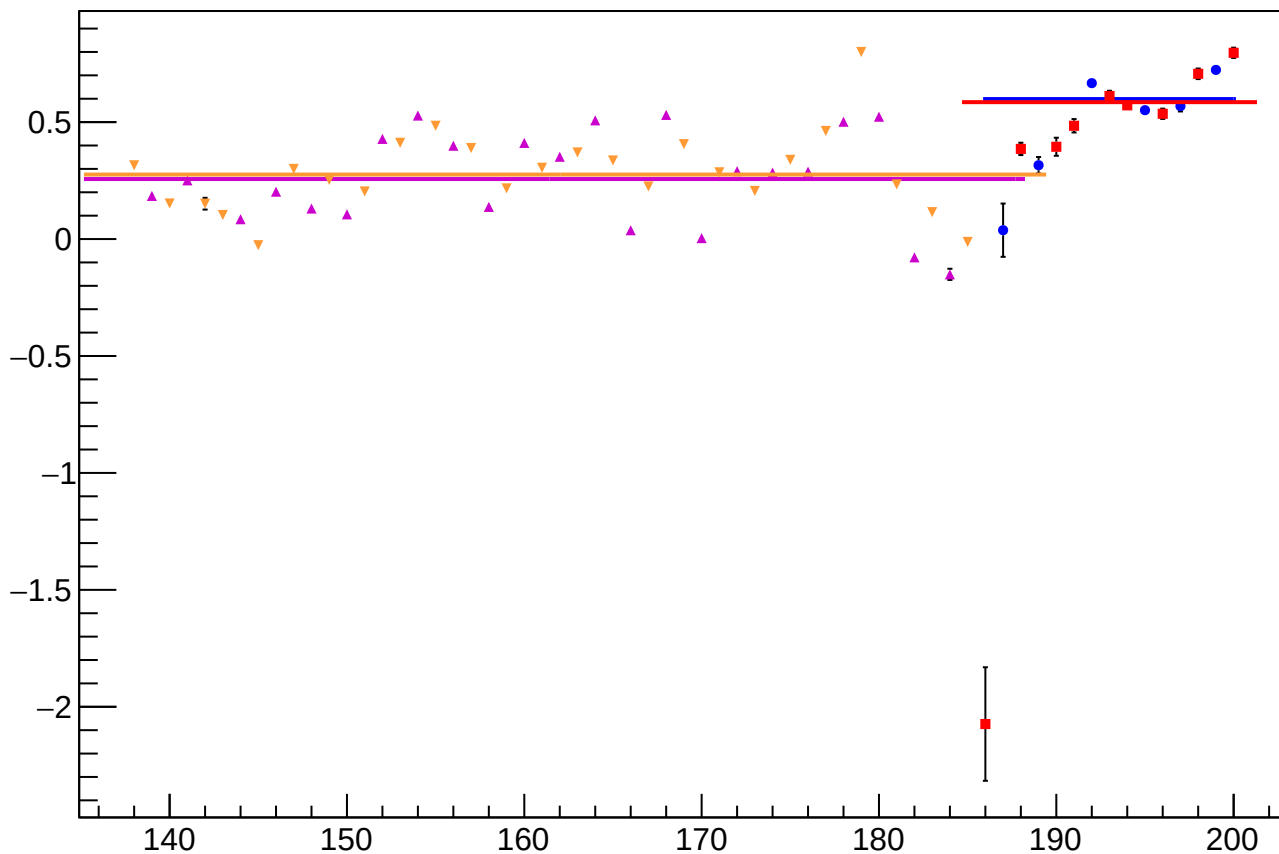
All: 6.104 $\pm$ 0.049 χ^2 /NDF: 30270.1/62

- sign 6.584 $\pm$ 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: 0.599 ± 0.010 χ^2/NDF : 140.4/5

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.585 ± 0.008 χ^2/NDF : 342.8/8

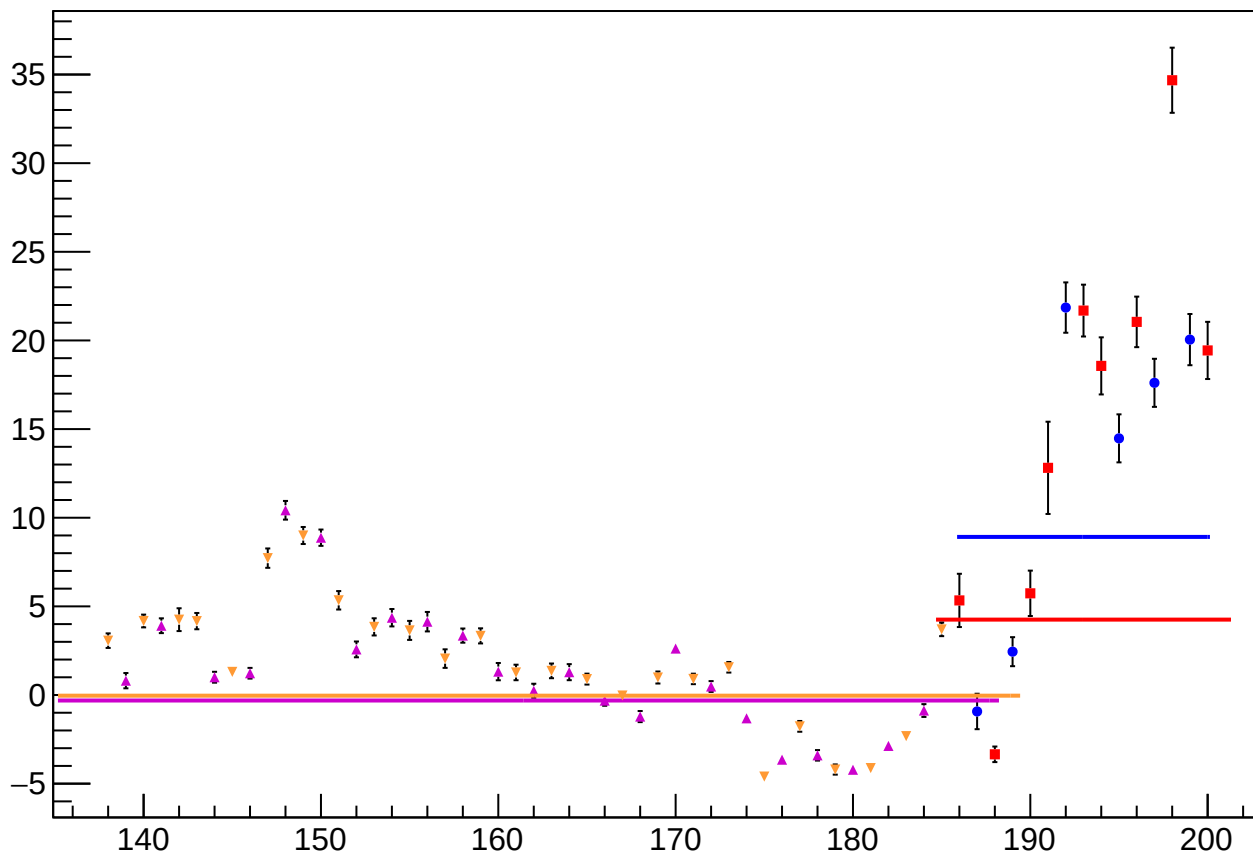
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.302 ± 0.003 χ^2/NDF : 3675.5/30

All: 0.299 ± 0.002 χ^2/NDF : 9009.4/62

- sign 0.297 ± 0.003 χ^2/NDF : 5332.1/31

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 8.918 ± 0.468 χ^2/NDF : 359.8/5

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: 4.253 ± 0.345 χ^2/NDF : 1035.2/8

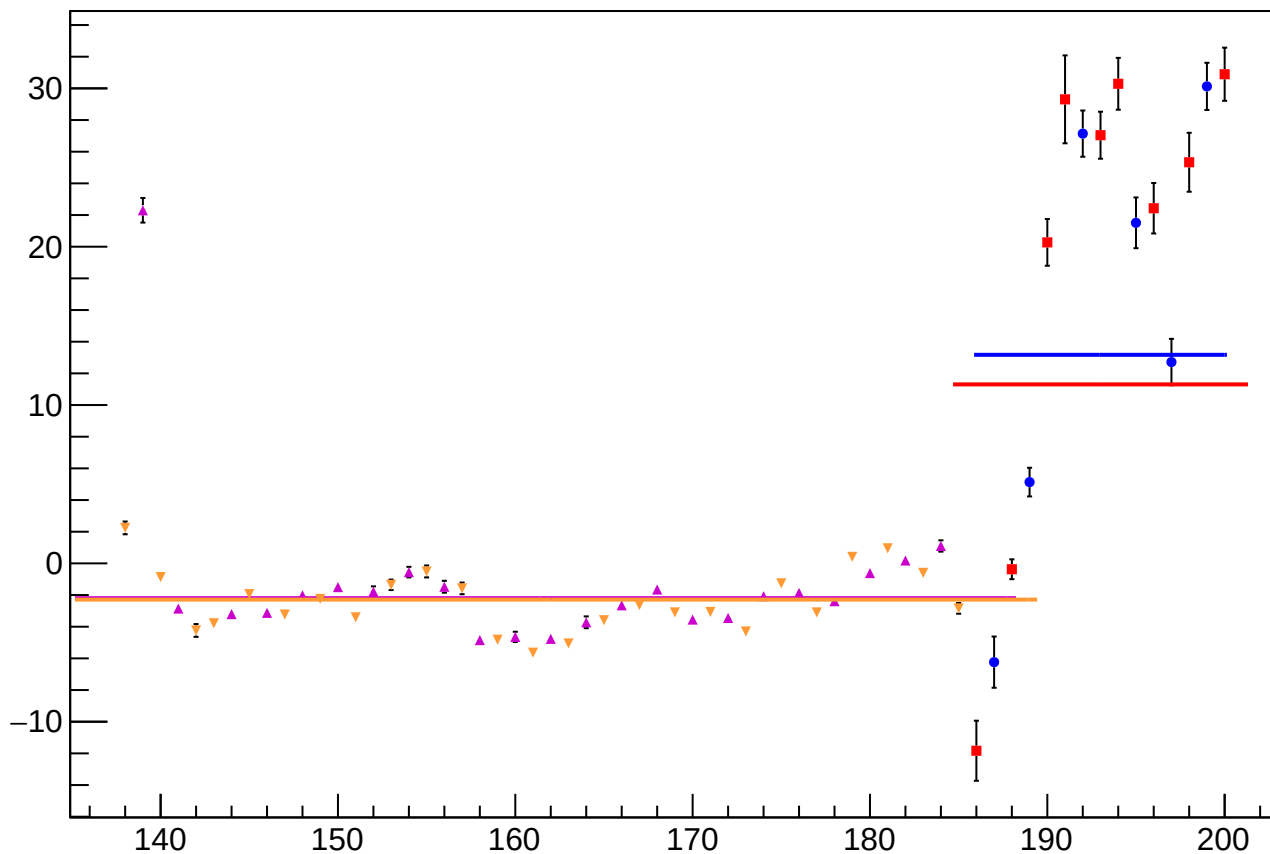
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign 0.137 ± 0.065 χ^2/NDF : 3355.8/30

All: -0.001 ± 0.046 χ^2/NDF : 6819.4/62

- sign -0.142 ± 0.066 χ^2/NDF : 3454.5/31

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 13.172 ± 0.544 $\chi^2/\text{NDF}: 471.1/5$

Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$

Right Out: 11.304 ± 0.436 $\chi^2/\text{NDF}: 1061.8/8$

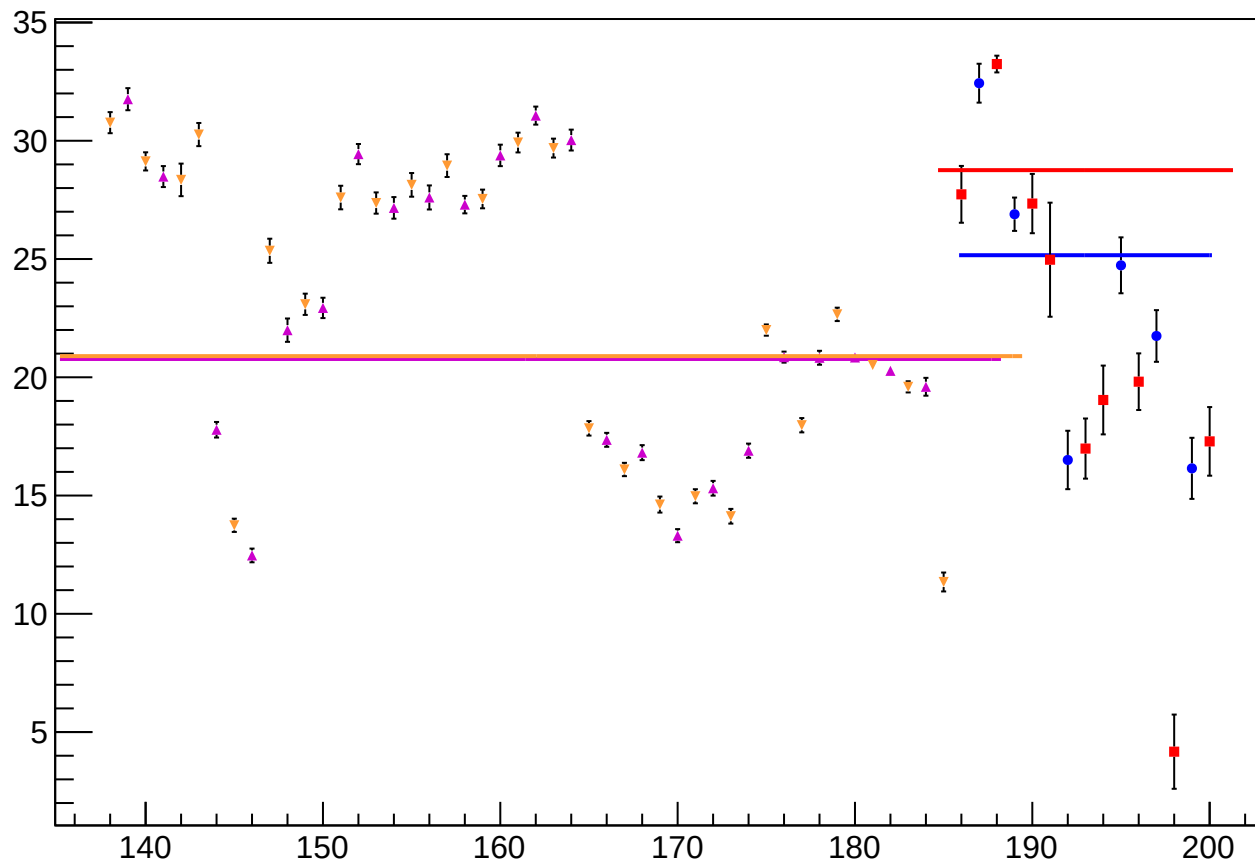
Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -2.137 ± 0.054 $\chi^2/\text{NDF}: 2407.9/30$

All: -2.062 ± 0.038 $\chi^2/\text{NDF}: 6092.5/62$

- sign -1.985 ± 0.055 $\chi^2/\text{NDF}: 3680.7/31$

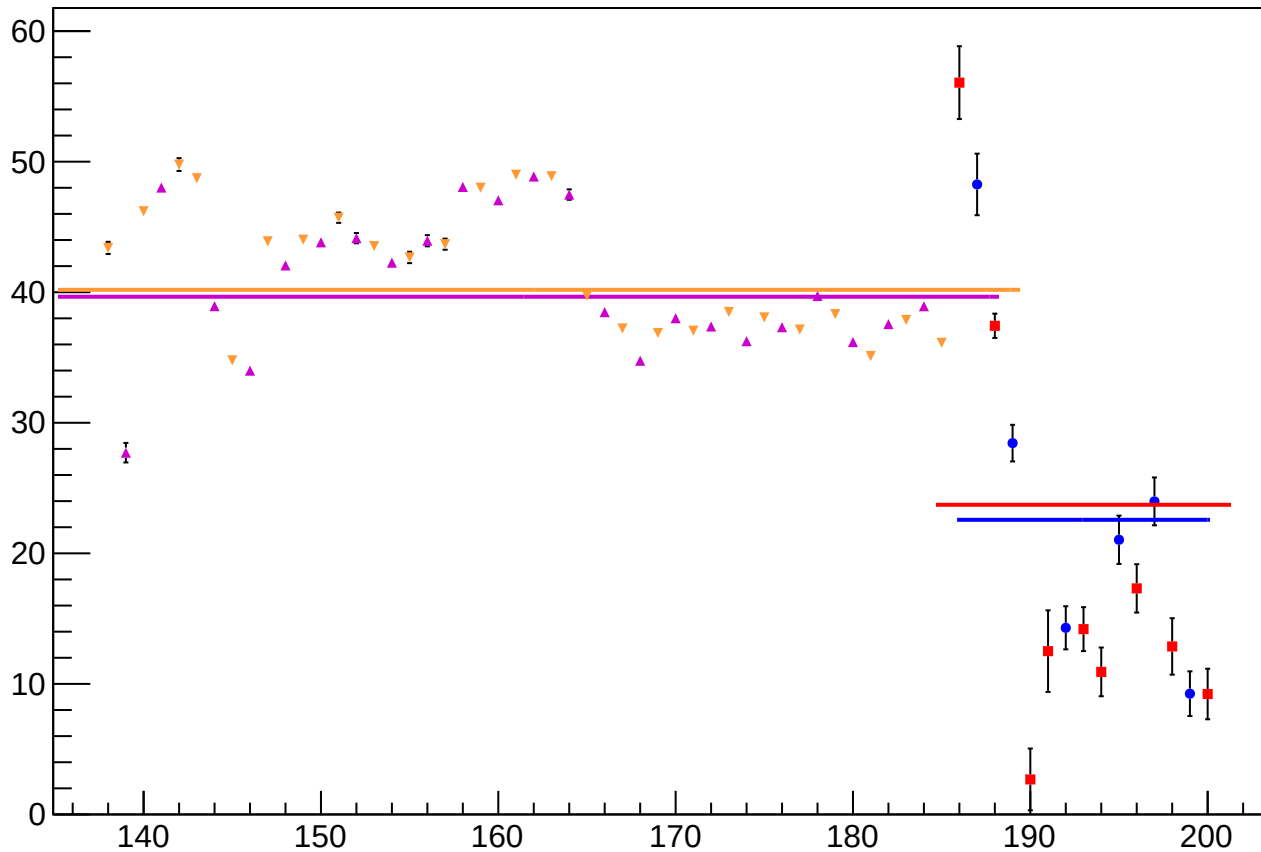
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 25.161 ± 0.398 $\chi^2/\text{NDF}: 192.1/5$
 Left Out: 20.894 ± 0.067 $\chi^2/\text{NDF}: 6655.4/24$
 Right Out: 28.758 ± 0.287 $\chi^2/\text{NDF}: 659.2/8$
 Left In: 20.774 ± 0.068 $\chi^2/\text{NDF}: 5927.9/22$

+ sign 21.010 ± 0.066 $\chi^2/\text{NDF}: 6959.0/30$
 All: 21.102 ± 0.046 $\chi^2/\text{NDF}: 14283.8/62$
 - sign 21.194 ± 0.066 $\chi^2/\text{NDF}: 7320.9/31$

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 22.570 ± 0.710 χ^2/NDF : 223.1/5

Left Out: 40.186 ± 0.060 χ^2/NDF : 5932.7/24

Right Out: 23.720 ± 0.579 χ^2/NDF : 616.0/8

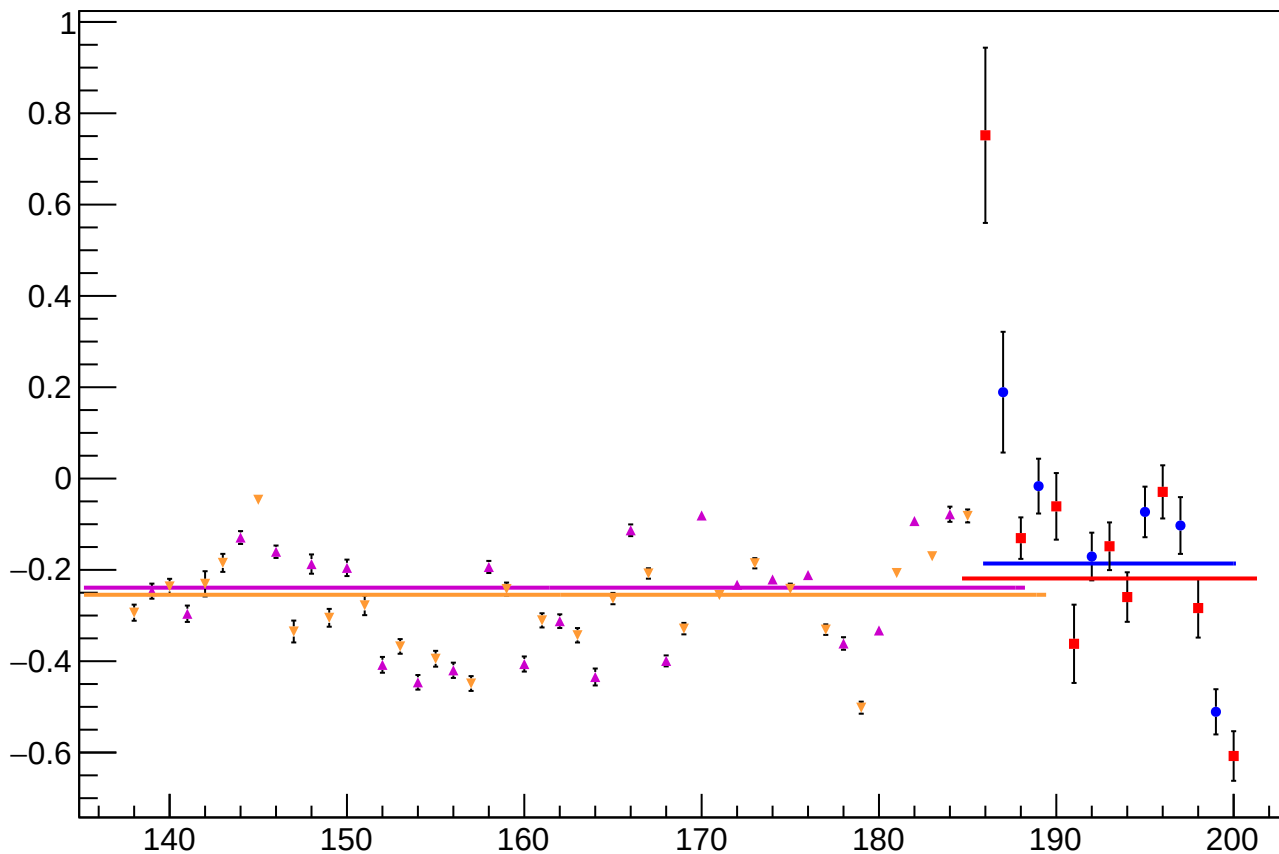
Left In: 39.655 ± 0.061 χ^2/NDF : 5298.6/22

+ sign 40.059 ± 0.060 χ^2/NDF : 6767.7/30

All: 39.773 ± 0.043 χ^2/NDF : 13476.2/62

- sign 39.478 ± 0.061 χ^2/NDF : 6662.5/31

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.186 ± 0.024 χ^2/NDF : 65.1/5

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.219 ± 0.020 χ^2/NDF : 102.1/8

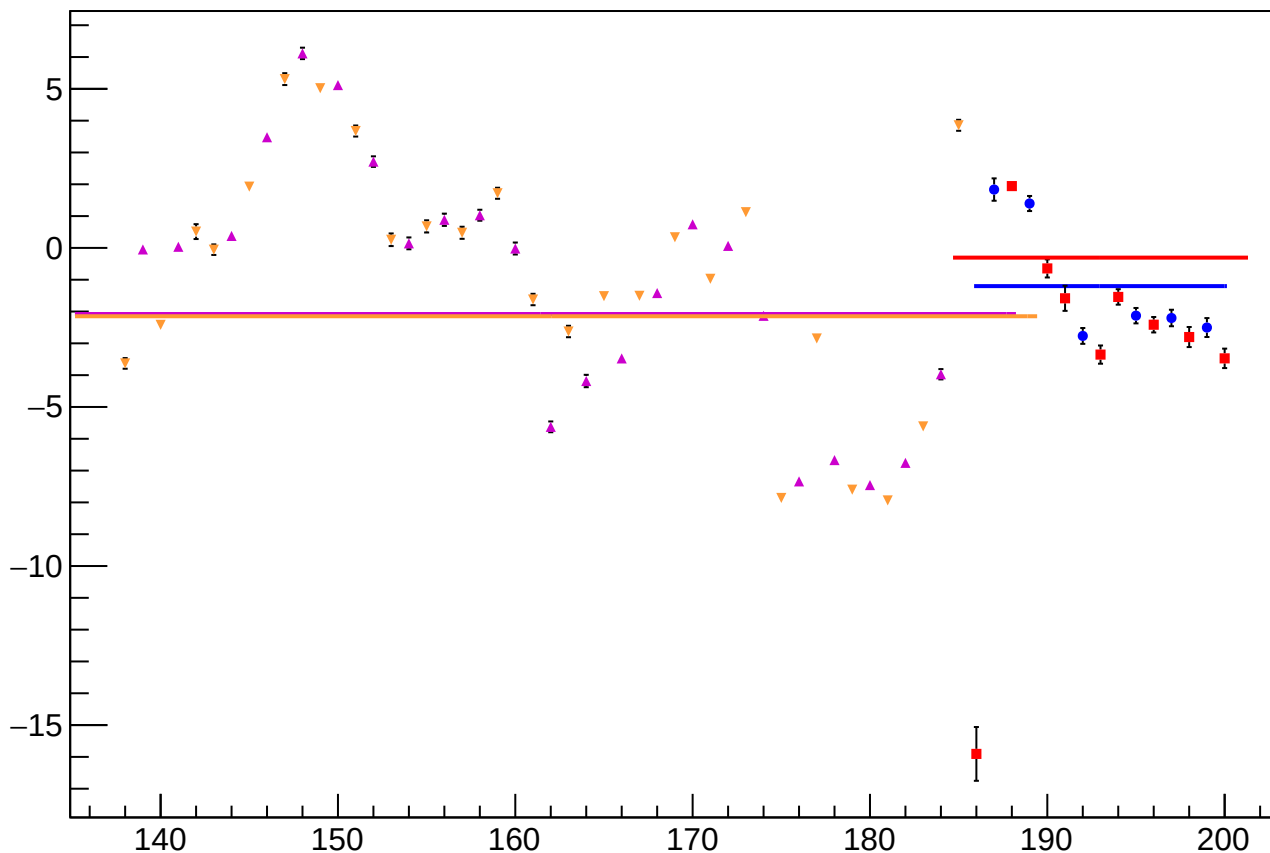
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.254 ± 0.003 χ^2/NDF : 1493.4/30

All: -0.246 ± 0.002 χ^2/NDF : 3362.0/62

- sign -0.239 ± 0.003 χ^2/NDF : 1853.5/31

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.201 ± 0.108 χ^2/NDF : 282.9/5

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.305 ± 0.077 χ^2/NDF : 1157.2/8

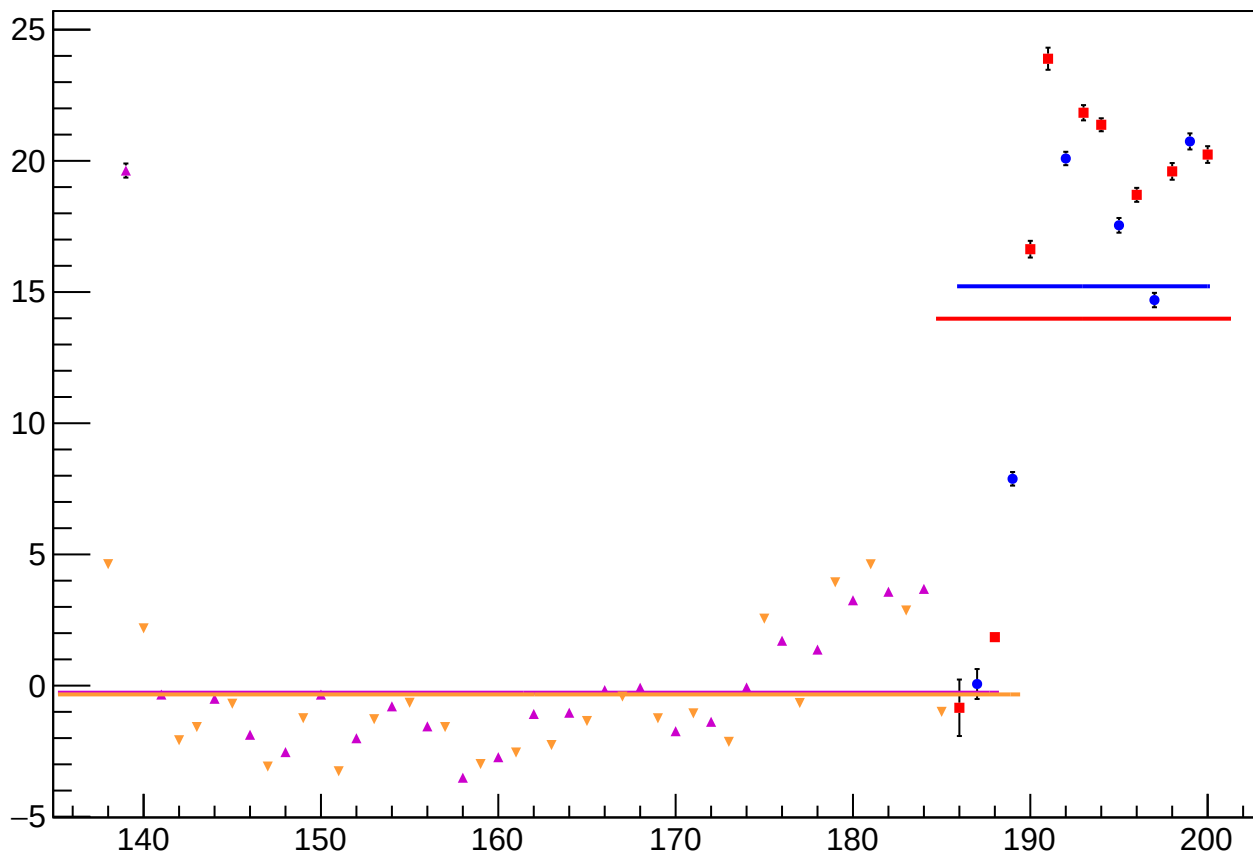
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.098 ± 0.025 χ^2/NDF : 24891.7/30

All: -1.995 ± 0.018 χ^2/NDF : 49807.5/62

- sign -1.894 ± 0.025 χ^2/NDF : 24882.1/31

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 15.219+/-0.120 χ^2/NDF : 2266.5/5

Left Out: -0.335+/-0.021 χ^2/NDF : 12596.1/24

Right Out: 13.985+/-0.093 χ^2/NDF : 9095.5/8

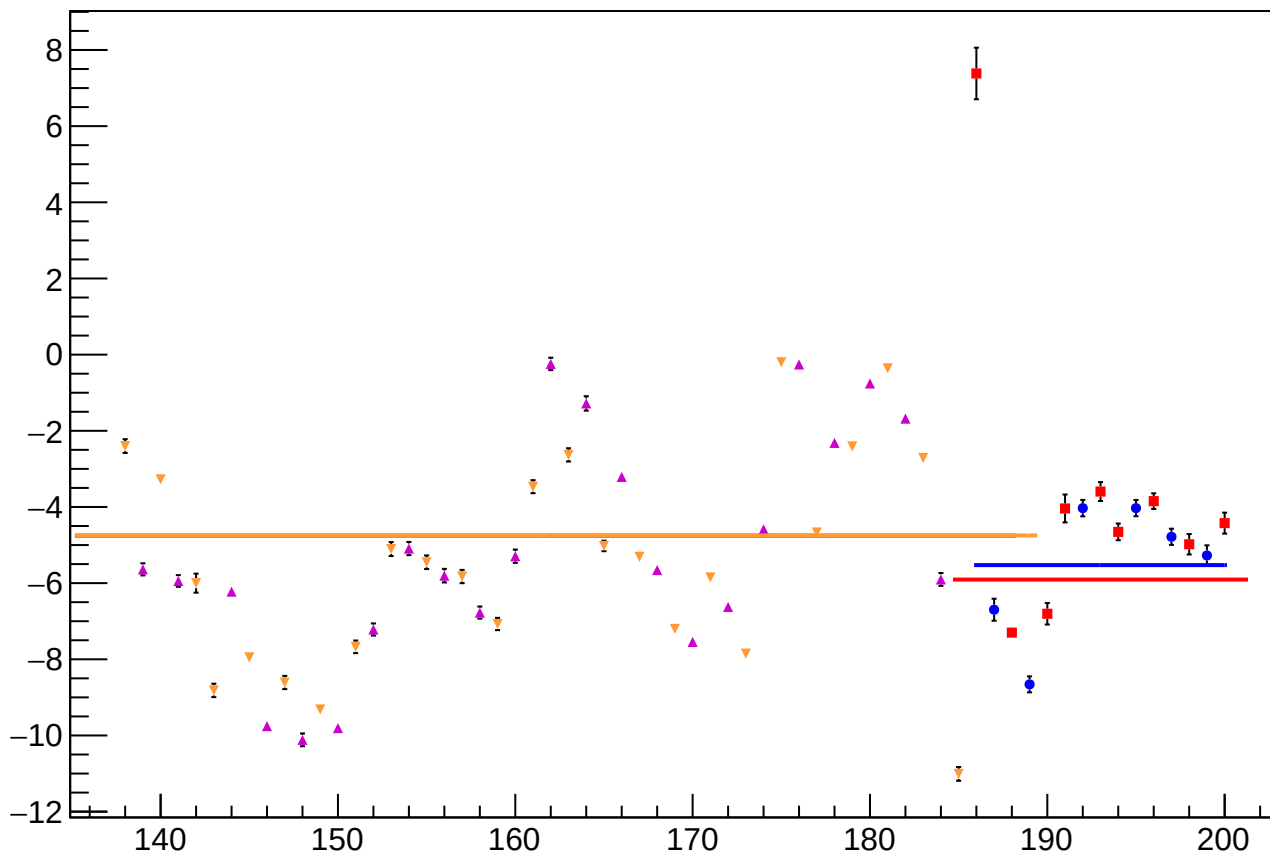
Left In: -0.269+/-0.021 χ^2/NDF : 13323.1/22

+ sign 0.112+/-0.020 χ^2/NDF : 31283.7/30

All: 0.267+/-0.014 χ^2/NDF : 76374.2/62

- sign 0.425+/-0.020 χ^2/NDF : 44972.5/31

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.526 ± 0.094 χ^2/NDF : 348.3/5

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -5.907 ± 0.065 χ^2/NDF : 927.1/8

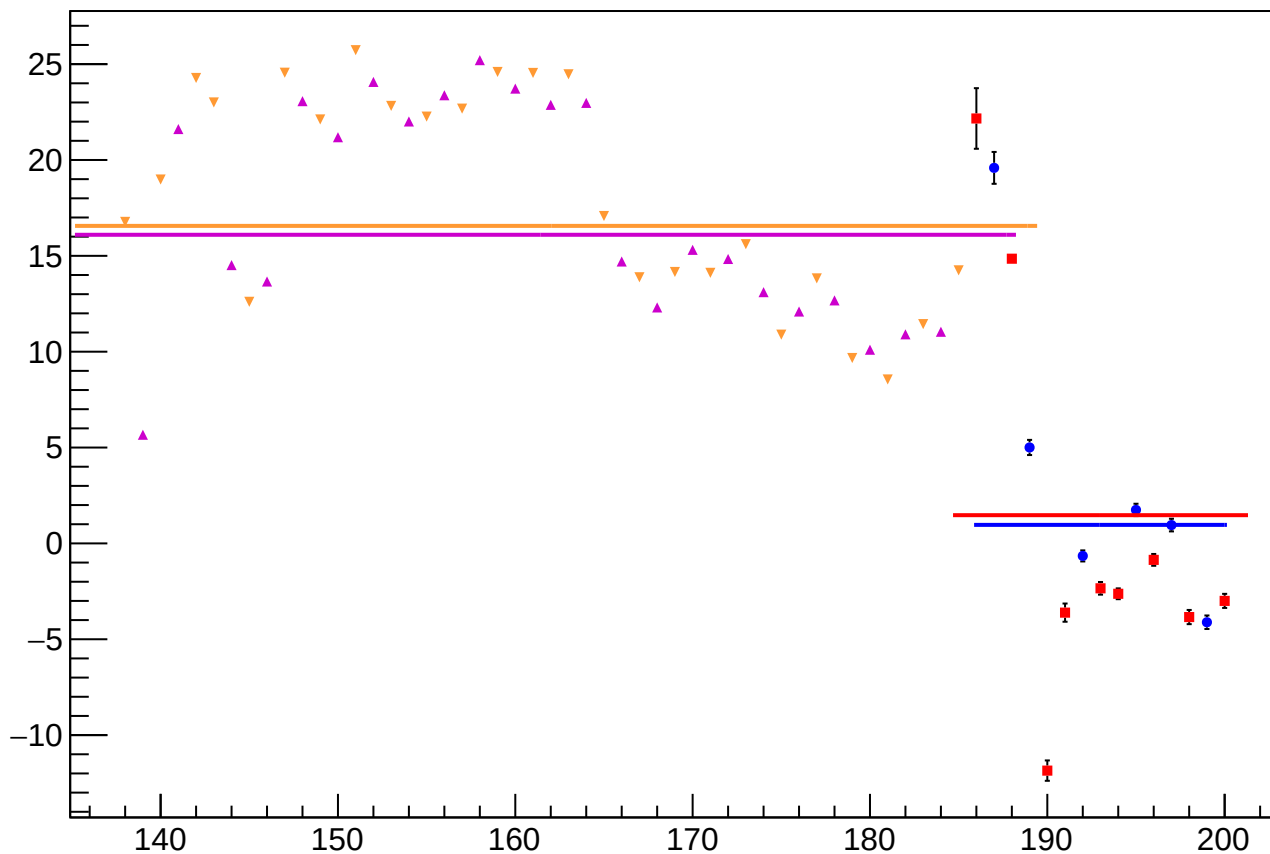
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.803 ± 0.025 χ^2/NDF : 13702.3/30

All: -4.860 ± 0.017 χ^2/NDF : 29029.7/62

- sign -4.914 ± 0.024 χ^2/NDF : 15317.3/31

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.966 ± 0.146 $\chi^2/\text{NDF}: 850.8/5$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 1.472 ± 0.117 $\chi^2/\text{NDF}: 4941.6/8$

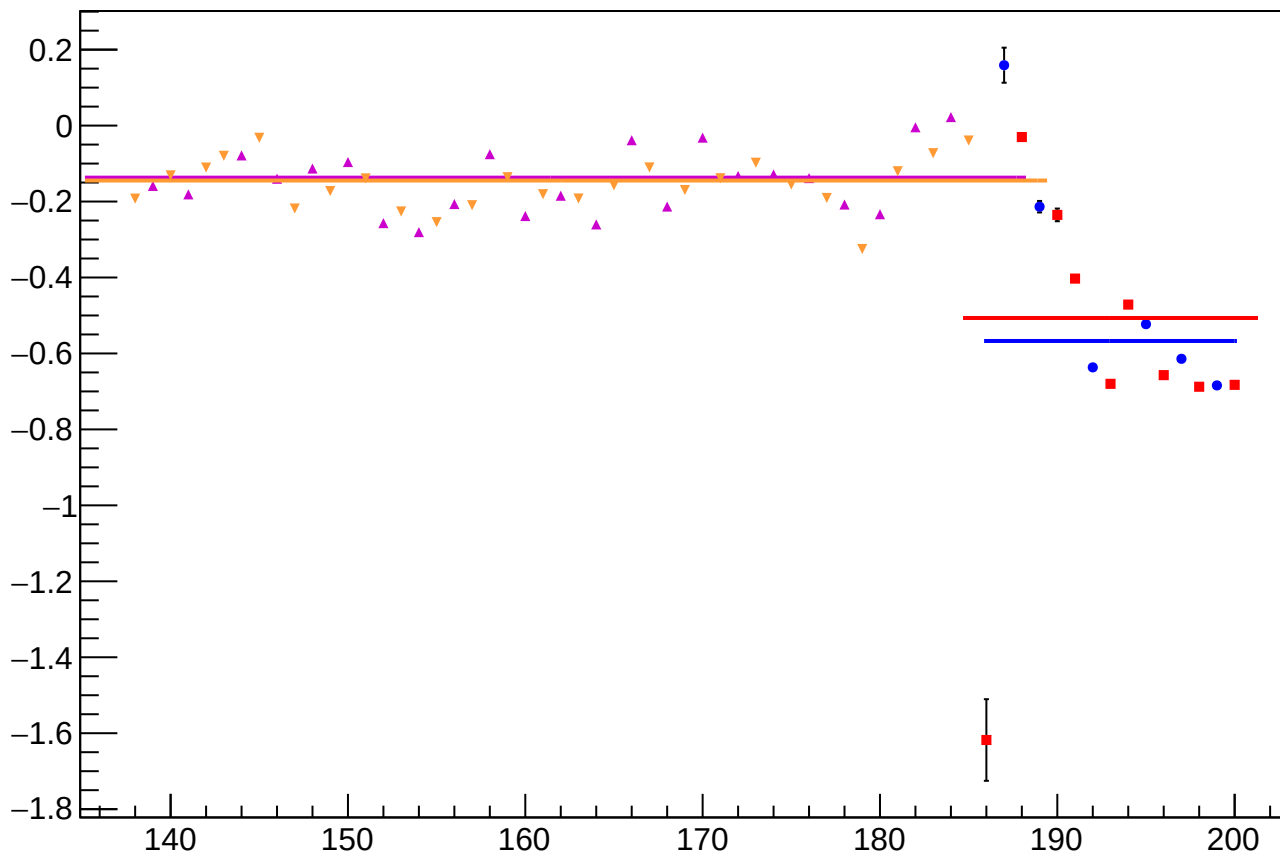
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 16.182 ± 0.023 $\chi^2/\text{NDF}: 65782.5/30$

All: 15.856 ± 0.016 $\chi^2/\text{NDF}: 128614.9/62$

- 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: -0.567 ± 0.005 $\chi^2/\text{NDF}: 1024.4/5$

Left Out: -0.145 ± 0.001 $\chi^2/\text{NDF}: 3769.7/24$

Right Out: -0.507 ± 0.004 $\chi^2/\text{NDF}: 3633.4/8$

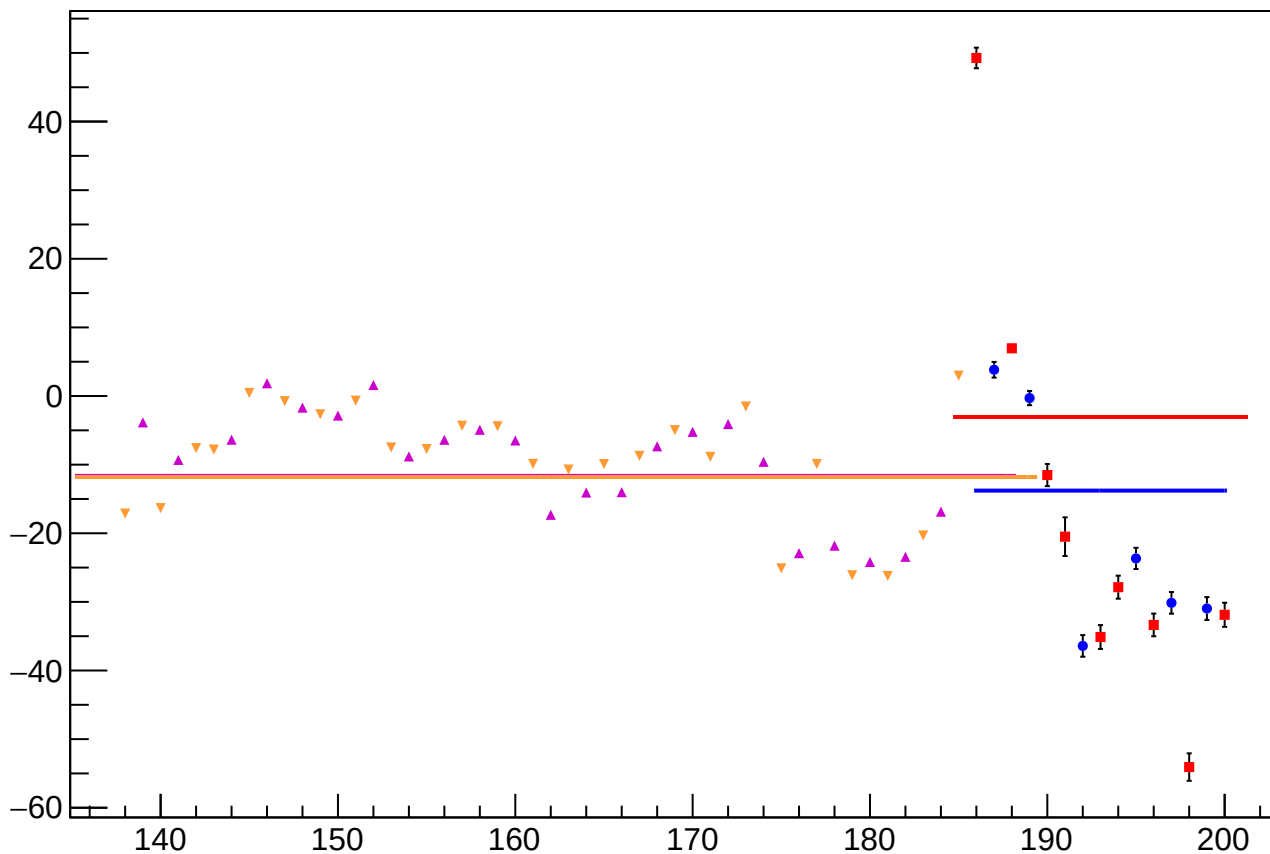
Left In: -0.137 ± 0.001 $\chi^2/\text{NDF}: 5392.6/22$

+ sign -0.165 ± 0.001 $\chi^2/\text{NDF}: 12658.4/30$

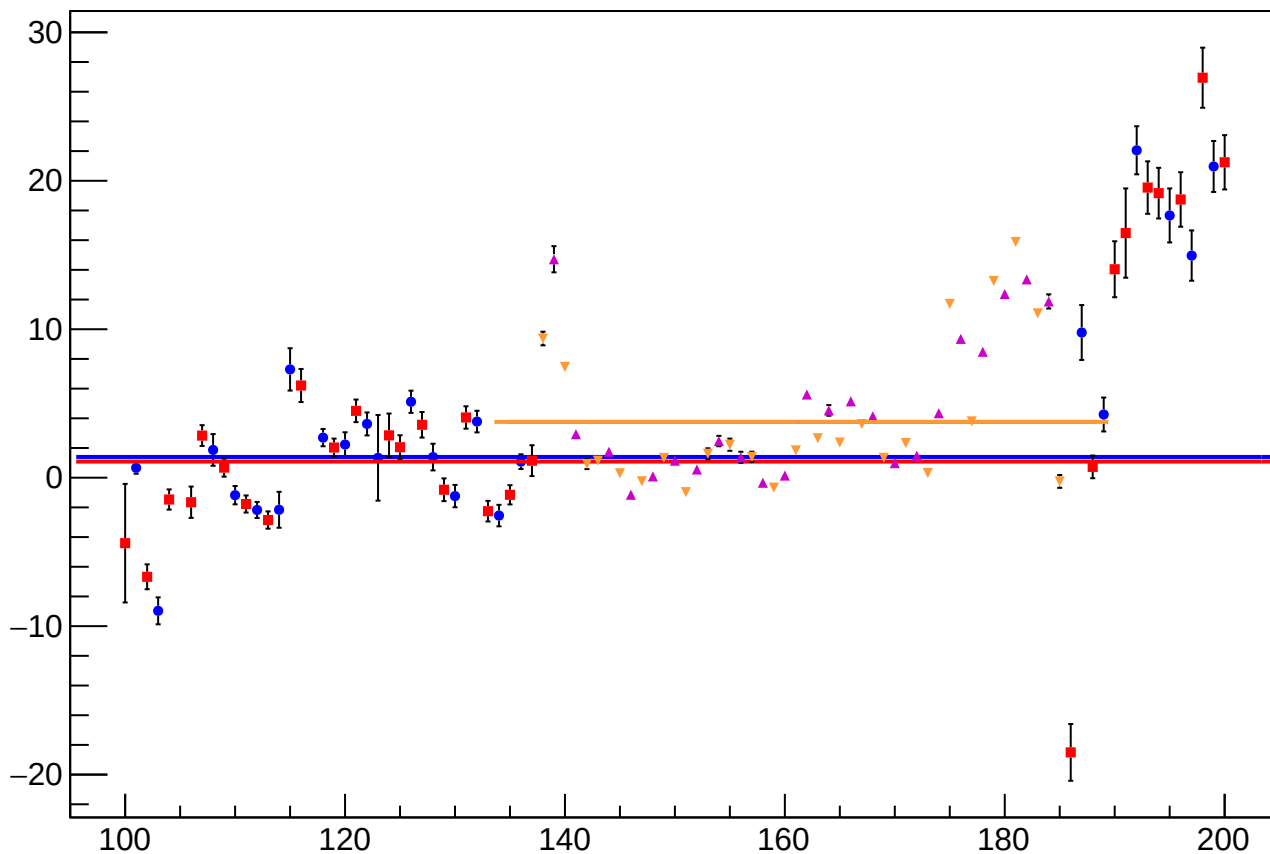
All: -0.165 ± 0.001 $\chi^2/\text{NDF}: 30706.1/62$

- sign -0.165 ± 0.001 $\chi^2/\text{NDF}: 18047.6/31$

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.397 $\pm$ 0.165 χ^2/NDF : 776.1/22

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

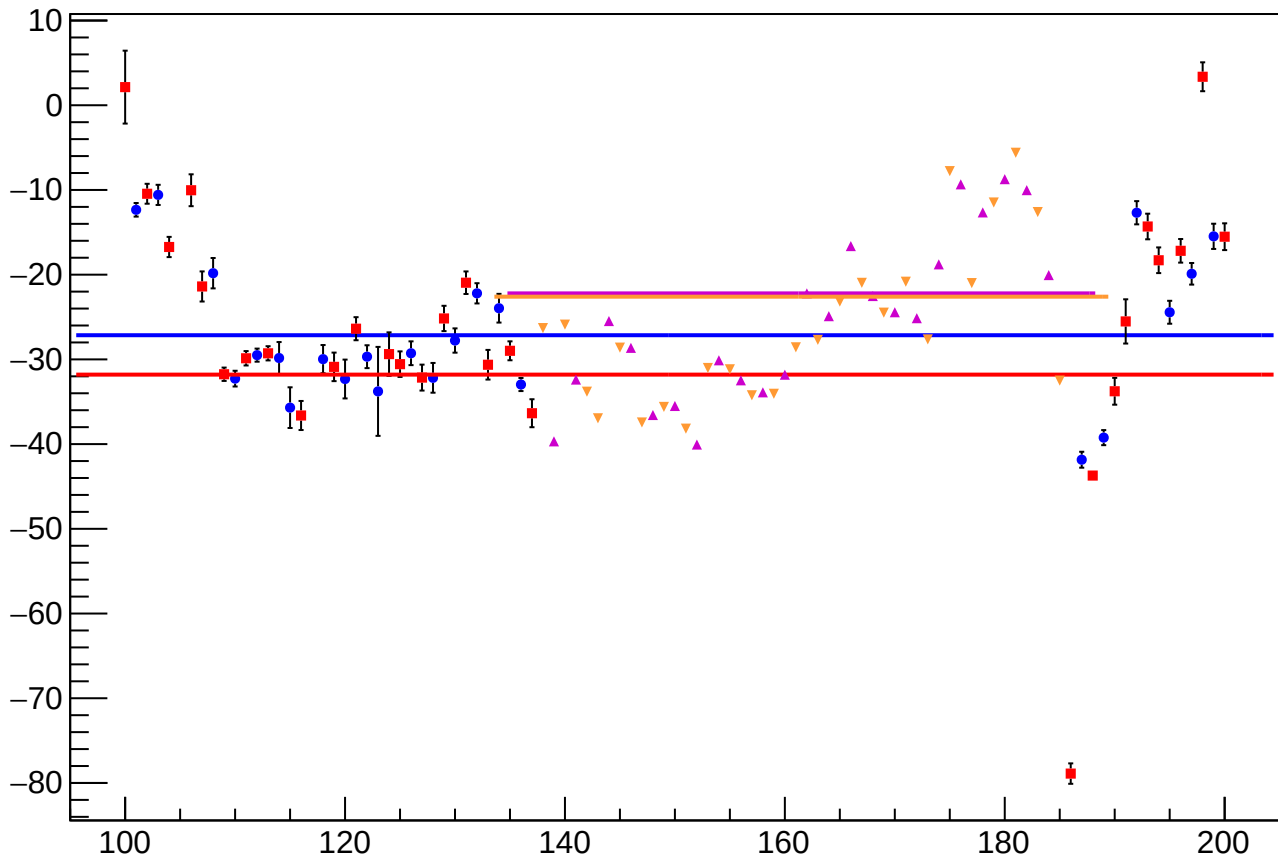
Left In: 3.757 $\pm$ 0.057 χ^2/NDF : 5629.4/22

+ sign 3.516 $\pm$ 0.053 χ^2/NDF : 8411.0/47

All: 3.497 $\pm$ 0.038 χ^2/NDF : 15348.3/98

- sign 3.477 $\pm$ 0.054 χ^2/NDF : 6937.1/50

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -27.147 ± 0.253 χ^2/NDF : 1345.0/22

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -31.798 ± 0.224 χ^2/NDF : 4004.4/27

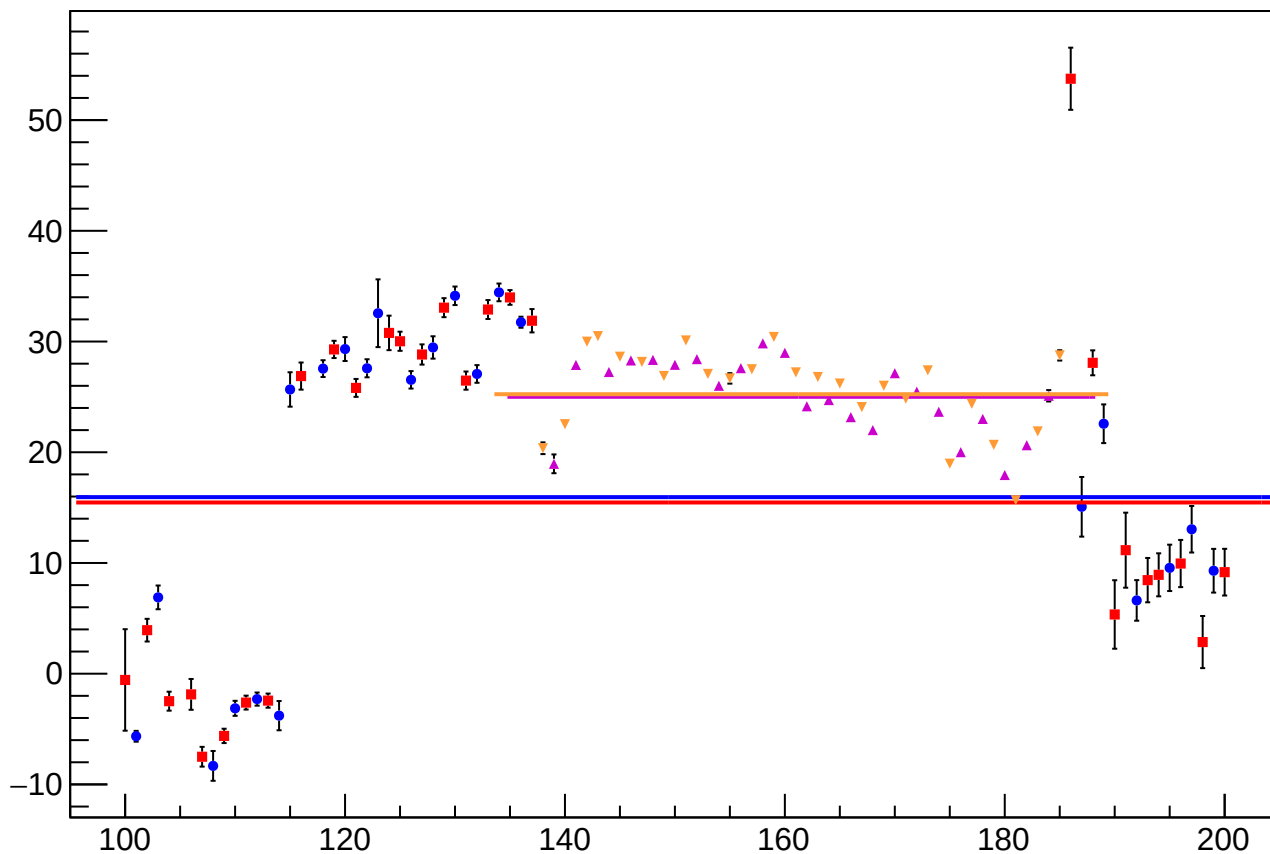
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -22.926 ± 0.068 χ^2/NDF : 21577.6/47

All: -23.012 ± 0.048 χ^2/NDF : 44876.3/98

- sign -23.098 ± 0.068 χ^2/NDF : 23295.6/50

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.946 $\pm$ 0.187 χ^2 /NDF: 7605.8/22

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.463 $\pm$ 0.189 χ^2 /NDF: 7654.3/27

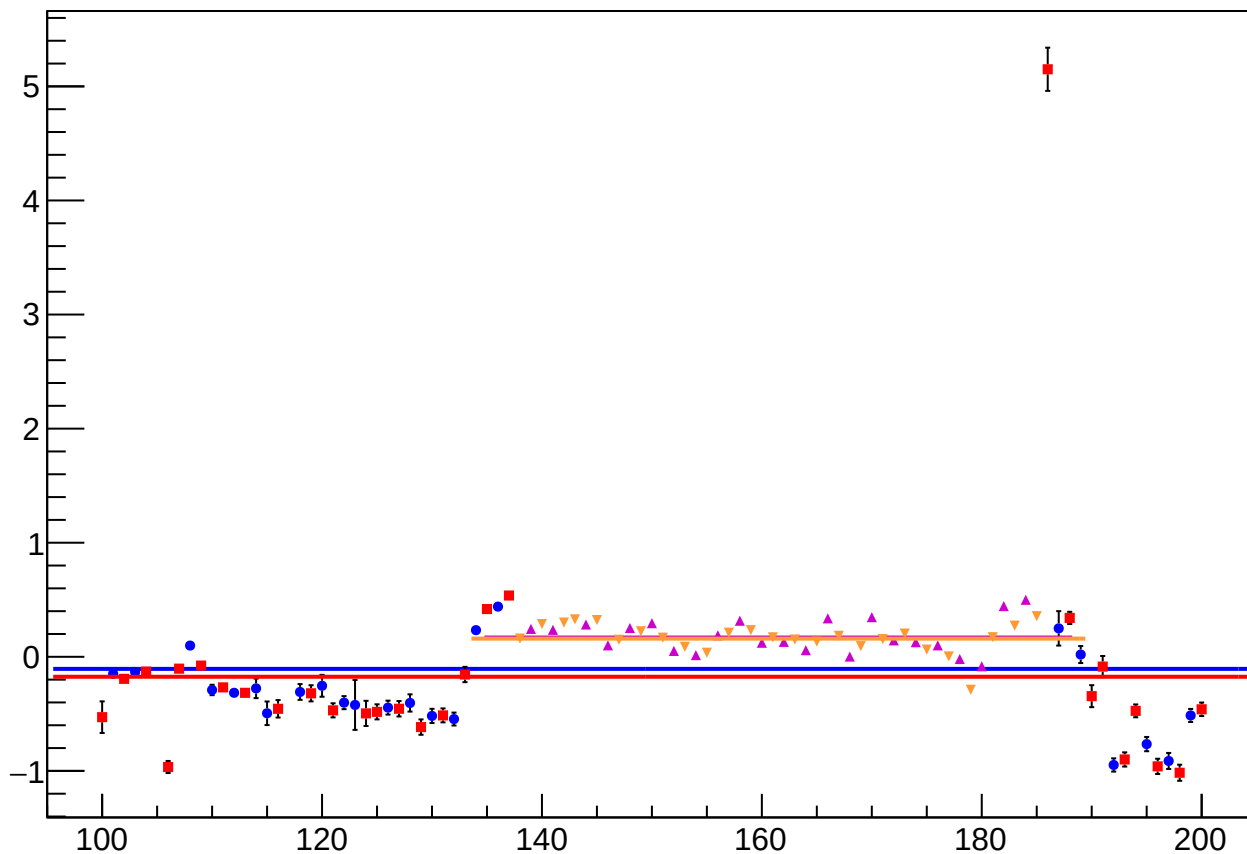
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.308 $\pm$ 0.059 χ^2 /NDF: 13606.3/47

All: 24.173 $\pm$ 0.042 χ^2 /NDF: 26277.3/98

- sign 24.034 $\pm$ 0.061 χ^2 /NDF: 12660.5/50

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.106 ± 0.010 χ^2/NDF : 1573.0/22

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.175 ± 0.009 χ^2/NDF : 2530.9/27

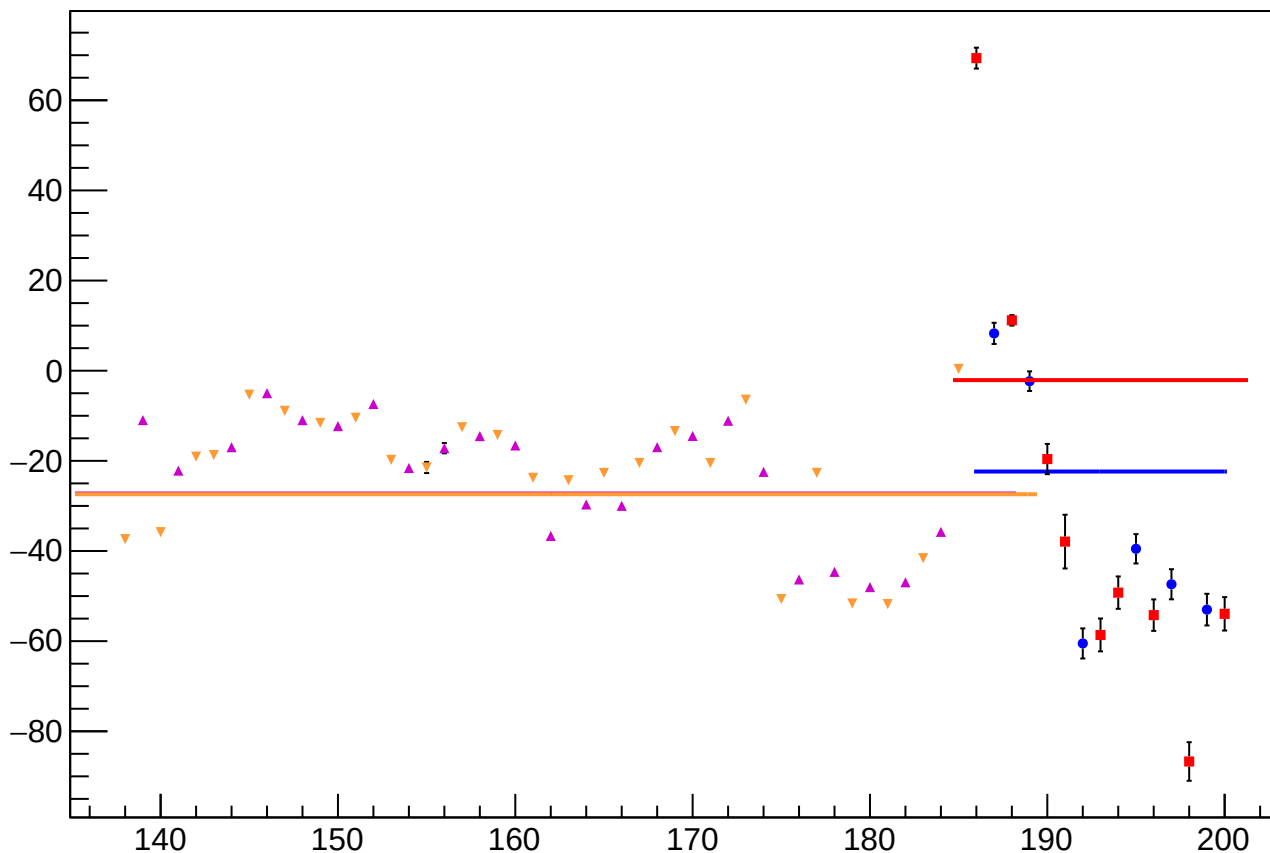
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.138 ± 0.003 χ^2/NDF : 4125.4/47

All: 0.139 ± 0.002 χ^2/NDF : 10279.5/98

- sign 0.139 ± 0.003 χ^2/NDF : 6154.0/50

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -22.369 ± 1.157 $\chi^2/\text{NDF}: 545.4/5$

Left Out: -27.408 ± 0.137 $\chi^2/\text{NDF}: 14850.5/24$

Right Out: -2.086 ± 0.843 $\chi^2/\text{NDF}: 2366.2/8$

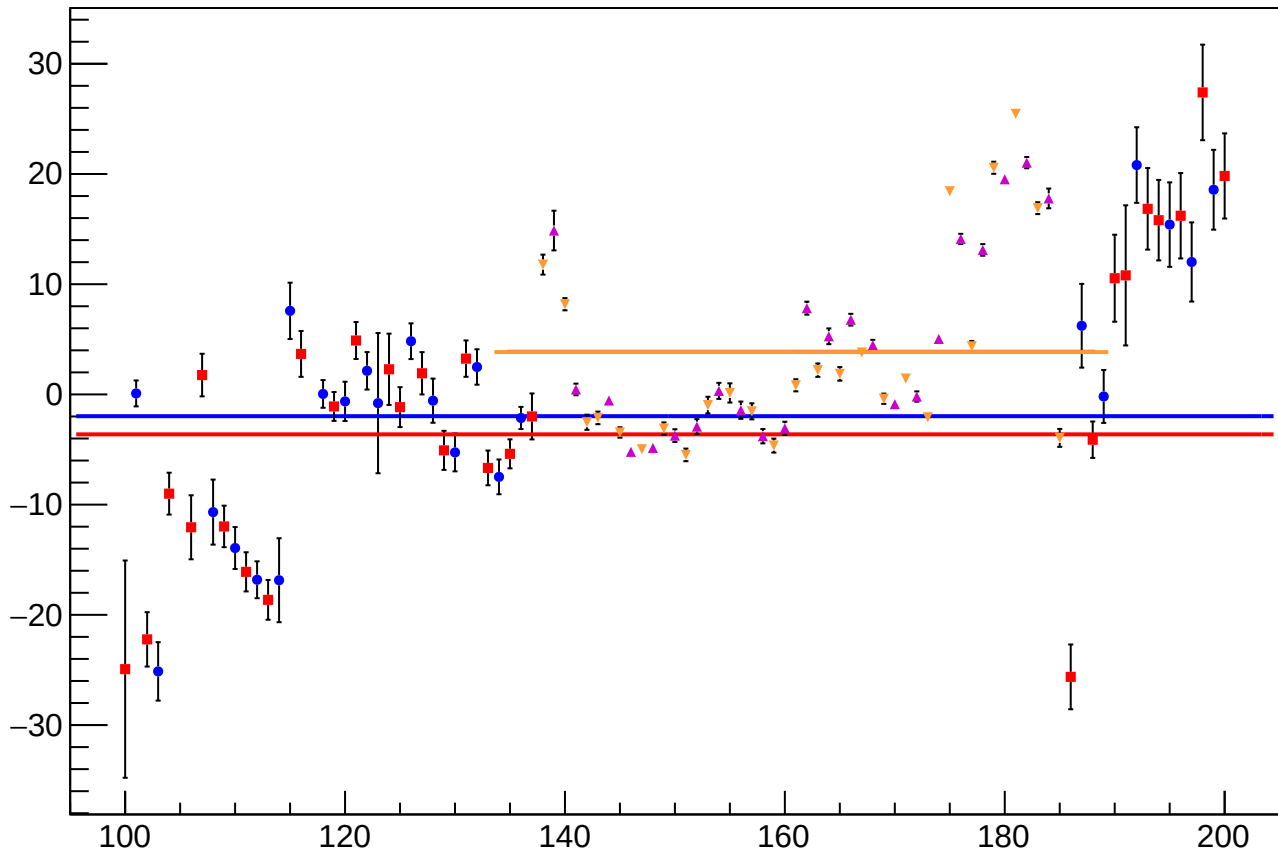
Left In: -27.243 ± 0.139 $\chi^2/\text{NDF}: 11305.2/22$

+ sign -27.338 ± 0.136 $\chi^2/\text{NDF}: 15414.6/30$

All: -26.961 ± 0.097 $\chi^2/\text{NDF}: 29968.4/62$

- sign -26.574 ± 0.137 $\chi^2/\text{NDF}: 14538.2/31$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -1.974 ± 0.394 $\chi^2/\text{NDF}: 403.6/22$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -3.623 ± 0.396 $\chi^2/\text{NDF}: 550.7/27$

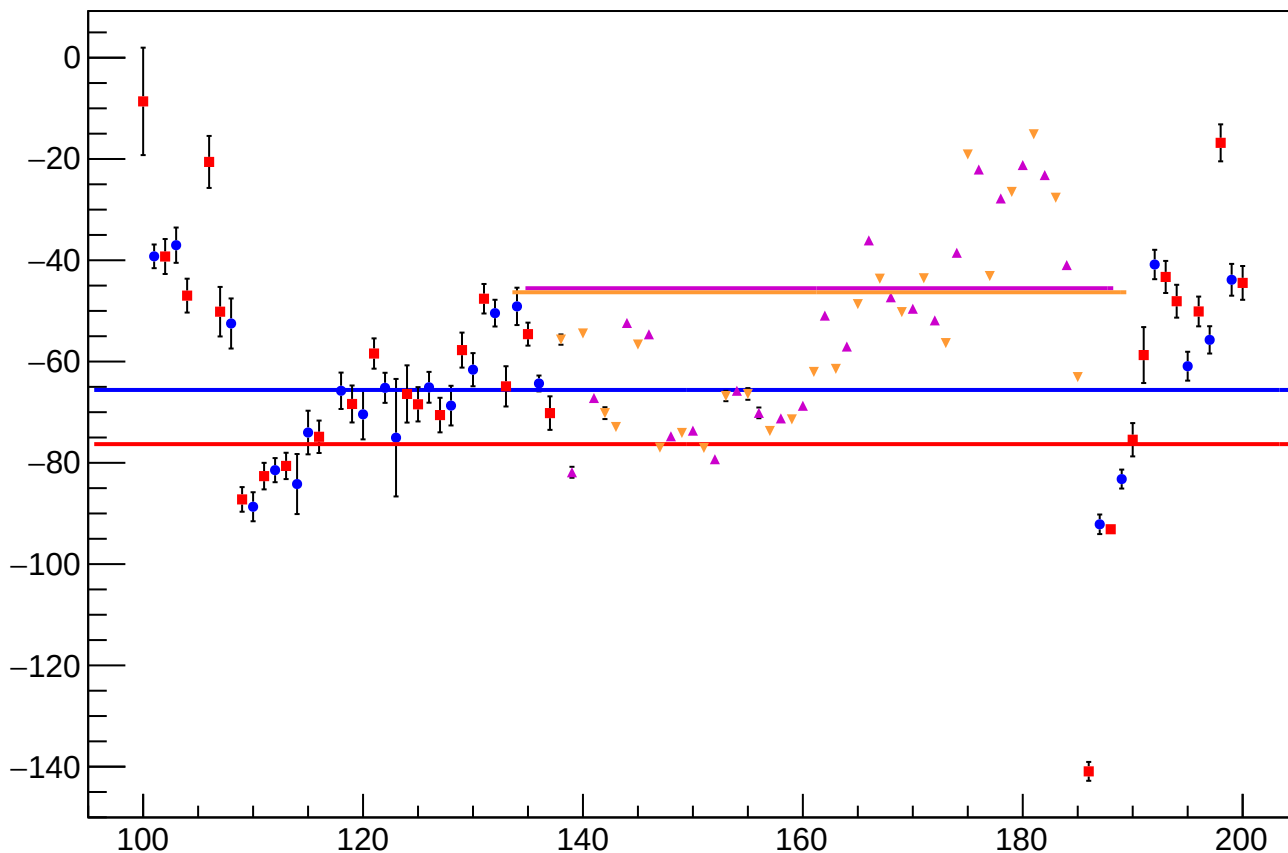
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.426 ± 0.105 $\chi^2/\text{NDF}: 7545.4/47$

All: 3.373 ± 0.075 $\chi^2/\text{NDF}: 13852.8/98$

- sign 3.318 ± 0.107 $\chi^2/\text{NDF}: 6306.8/50$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -65.609 ± 0.592 χ^2/NDF : 795.9/22

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -76.307 ± 0.514 χ^2/NDF : 2844.9/27

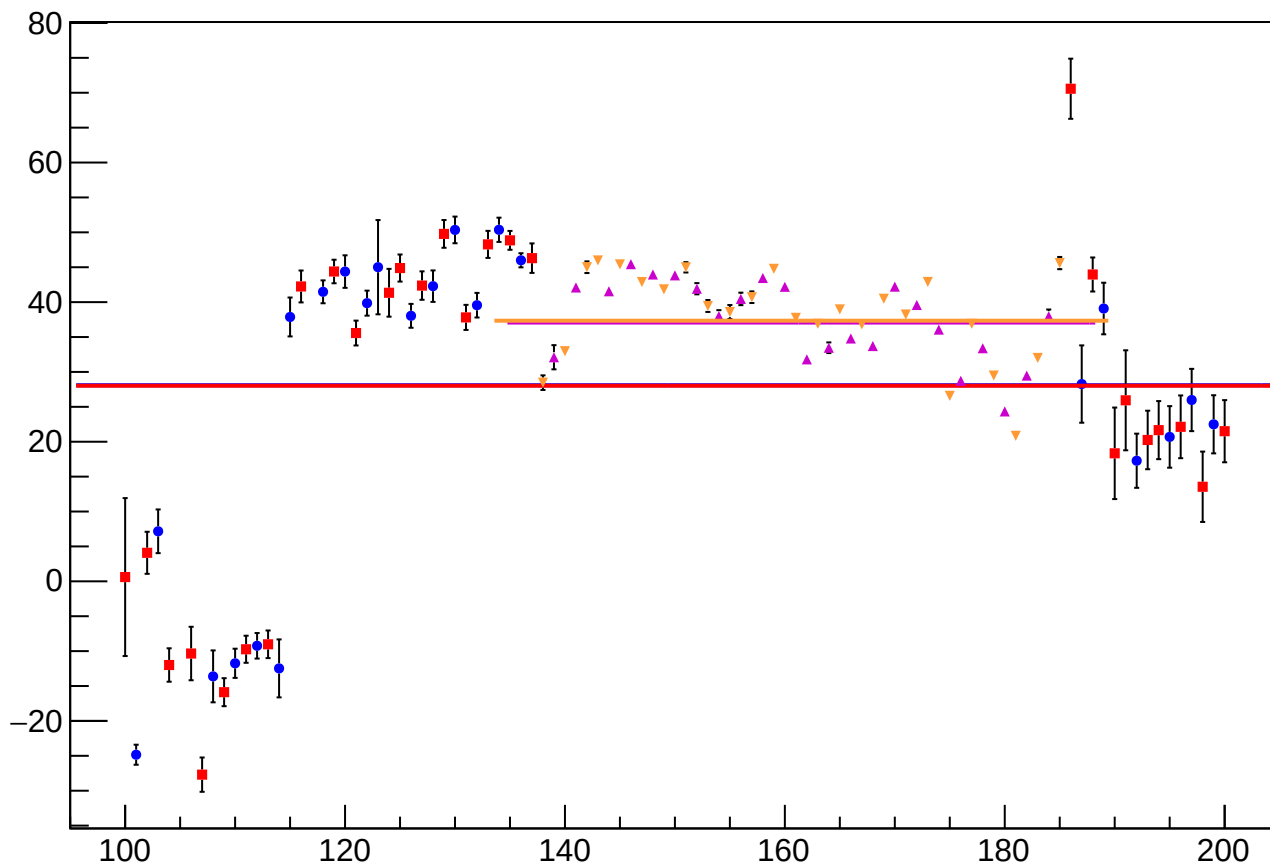
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -47.311 ± 0.134 χ^2/NDF : 21937.1/47

All: -47.477 ± 0.095 χ^2/NDF : 45656.1/98

- sign -47.644 ± 0.135 χ^2/NDF : 23715.9/50

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.095 $\pm$ 0.445 χ^2 /NDF: 3332.5/22

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

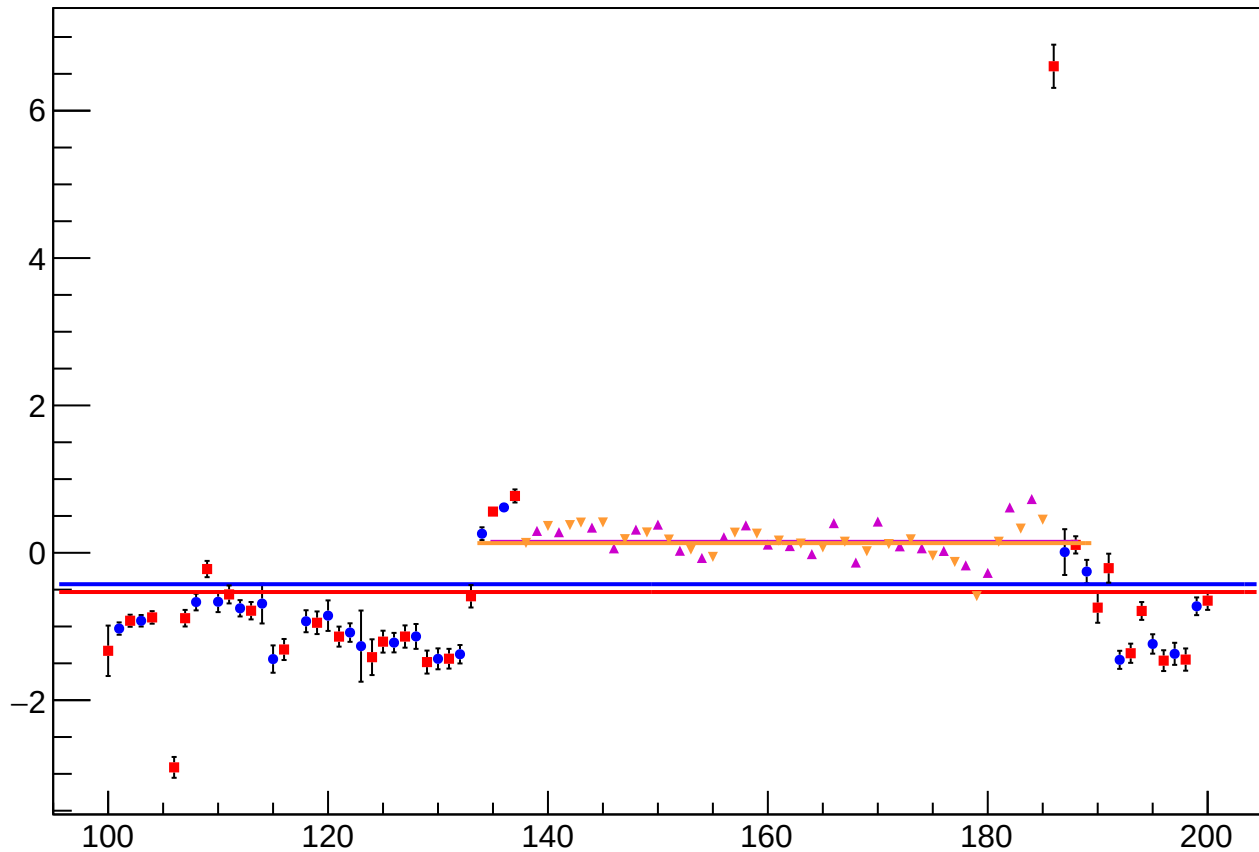
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.686 $\pm$ 0.118 χ^2 /NDF: 6881.9/47

All: 36.562 $\pm$ 0.085 χ^2 /NDF: 12845.4/98

- sign 36.433 $\pm$ 0.121 χ^2 /NDF: 5961.3/50

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.426 ± 0.023 χ^2/NDF : 1184.3/22

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.532 ± 0.023 χ^2/NDF : 1912.1/27

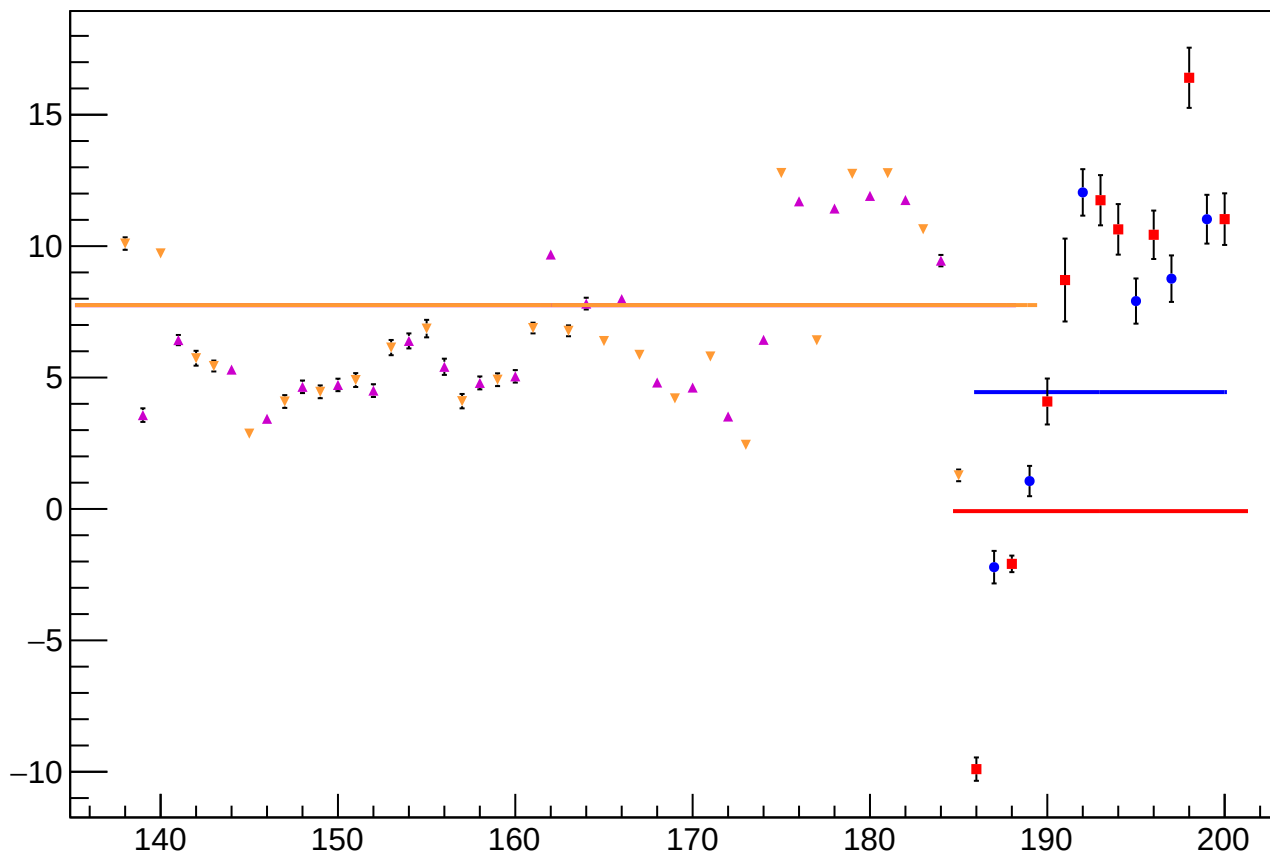
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.100 ± 0.005 χ^2/NDF : 3165.0/47

All: 0.104 ± 0.004 χ^2/NDF : 7720.9/98

- sign 0.108 ± 0.006 χ^2/NDF : 4554.7/50

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 4.446 ± 0.306 $\chi^2/\text{NDF}: 314.4/5$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: -0.082 ± 0.213 $\chi^2/\text{NDF}: 1325.9/8$

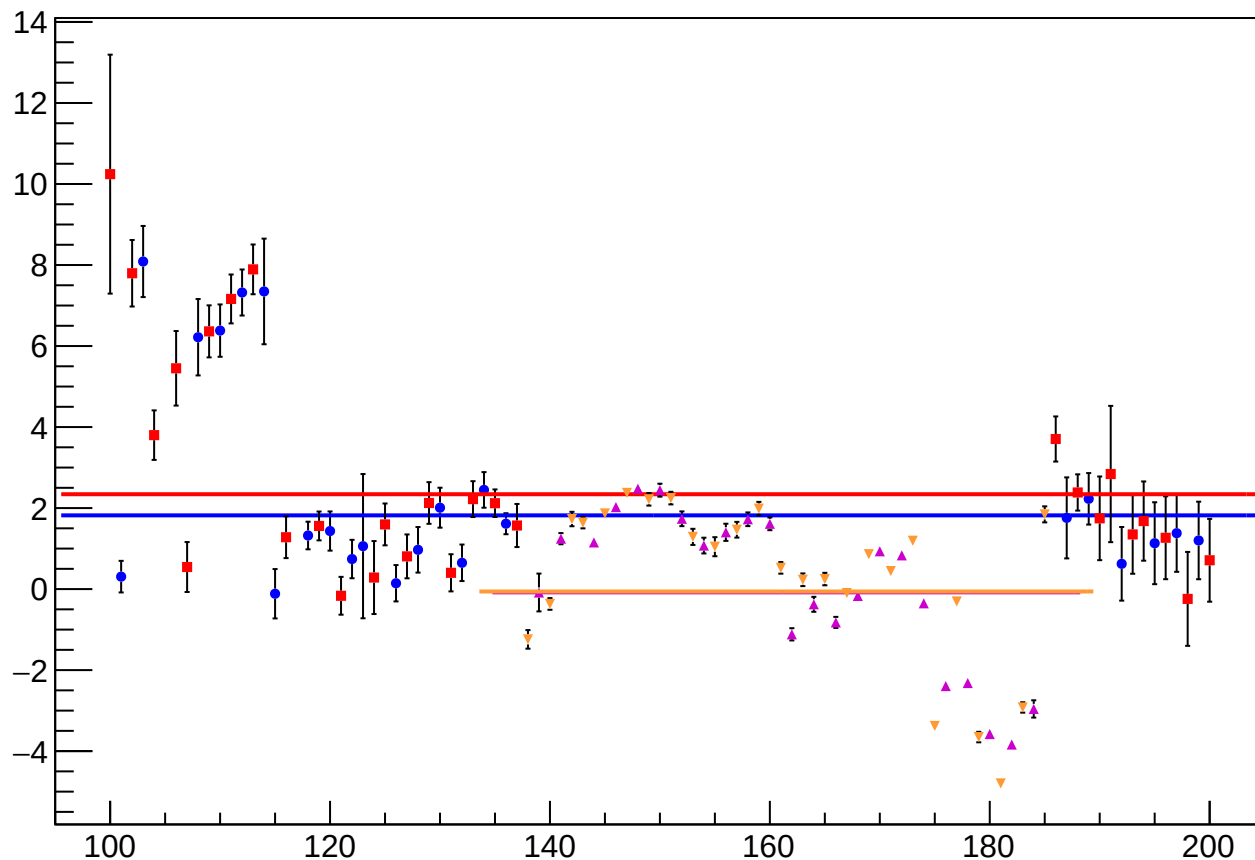
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.716 ± 0.034 $\chi^2/\text{NDF}: 12158.7/30$

All: 7.632 ± 0.024 $\chi^2/\text{NDF}: 23159.0/62$

- sign 7.546 ± 0.035 $\chi^2/\text{NDF}: 10988.1/31$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.820 ± 0.111 χ^2/NDF : 296.6/22

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.342 ± 0.111 χ^2/NDF : 352.1/27

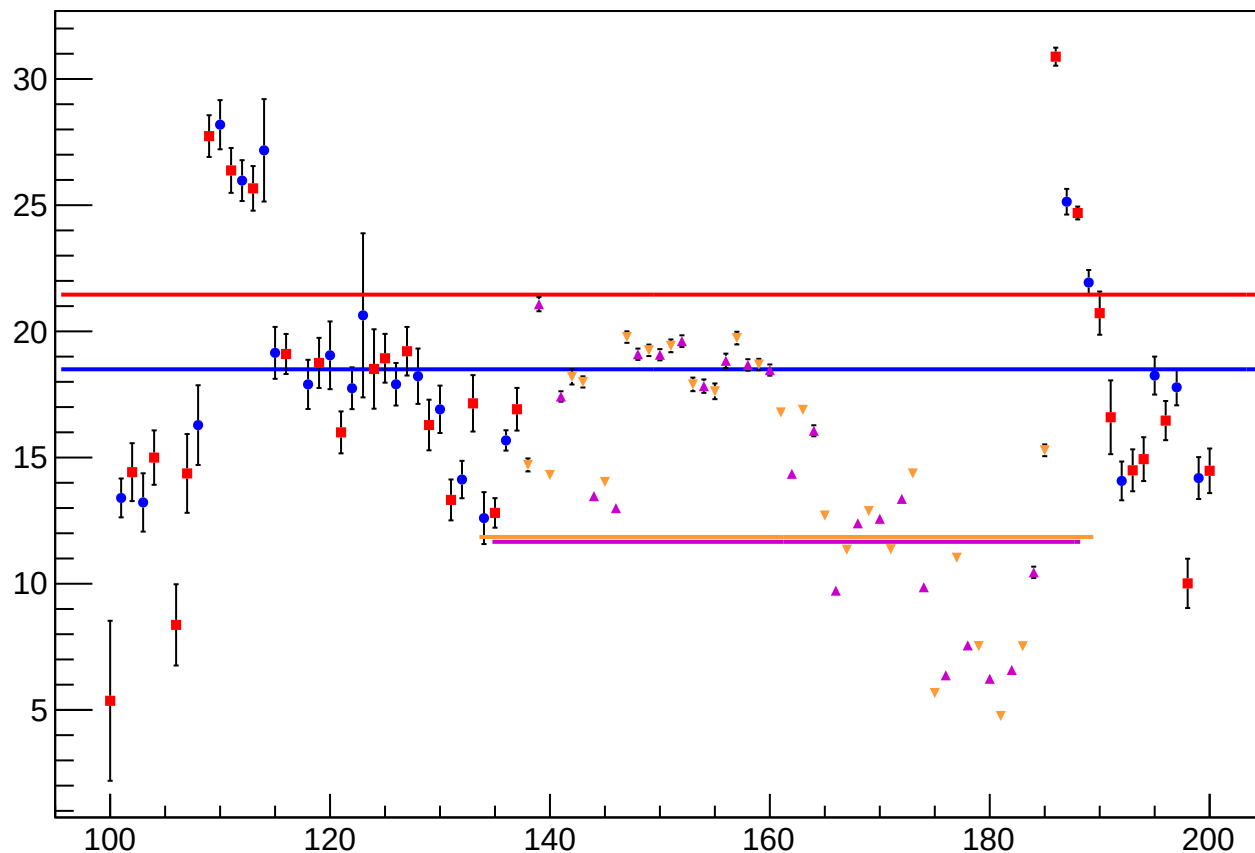
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.050 ± 0.027 χ^2/NDF : 6633.2/47

All: 0.058 ± 0.019 χ^2/NDF : 12409.4/98

- sign 0.066 ± 0.027 χ^2/NDF : 5776.1/50

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.497 ± 0.165 χ^2/NDF : 671.0/22

Left Out: 11.853 ± 0.035 χ^2/NDF : 19149.4/24

Right Out: 21.456 ± 0.138 χ^2/NDF : 2000.6/27

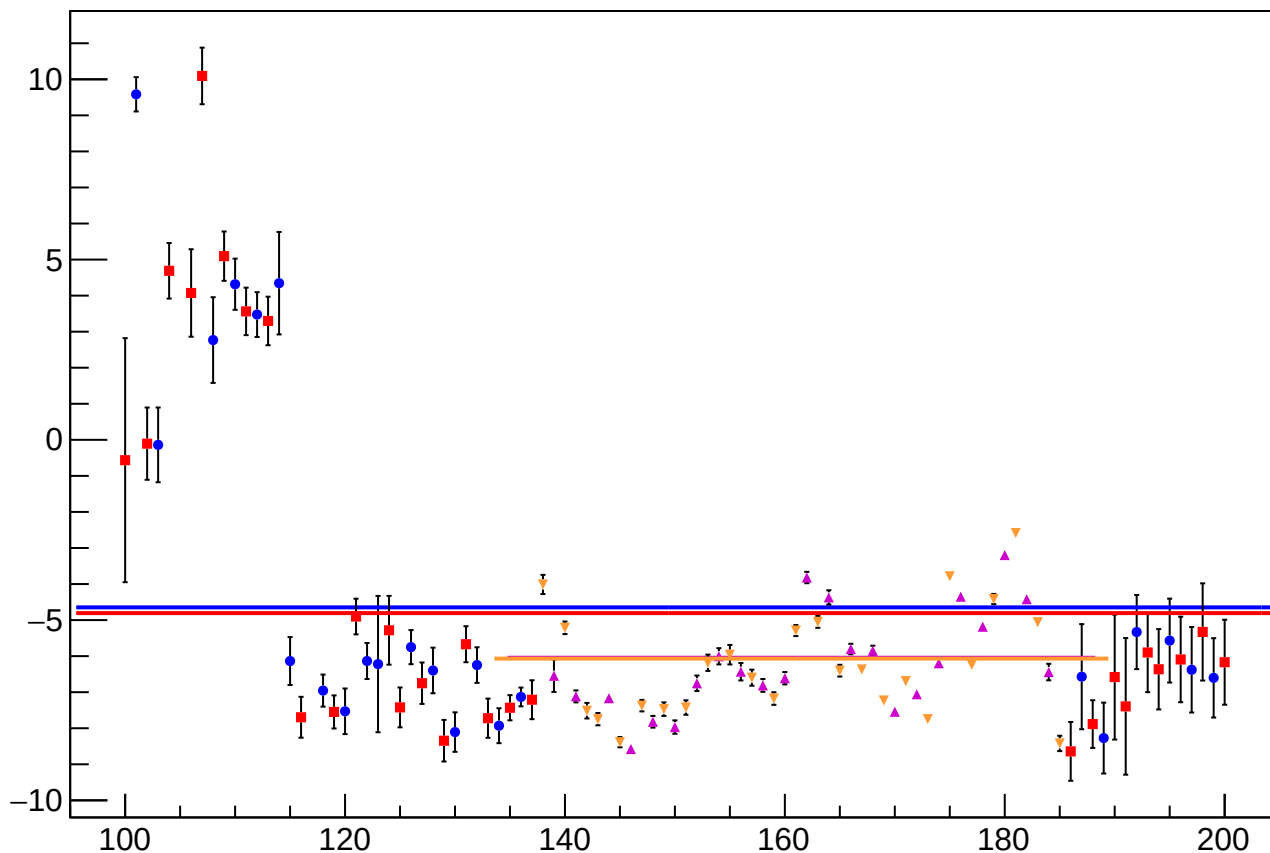
Left In: 11.660 ± 0.035 χ^2/NDF : 16710.2/22

+ sign 12.135 ± 0.034 χ^2/NDF : 21378.4/47

All: 12.197 ± 0.024 χ^2/NDF : 44845.9/98

- sign 12.260 ± 0.034 χ^2/NDF : 23460.6/50

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.647 ± 0.126 χ^2/NDF : 1605.9/22

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.806 ± 0.128 χ^2/NDF : 1399.2/27

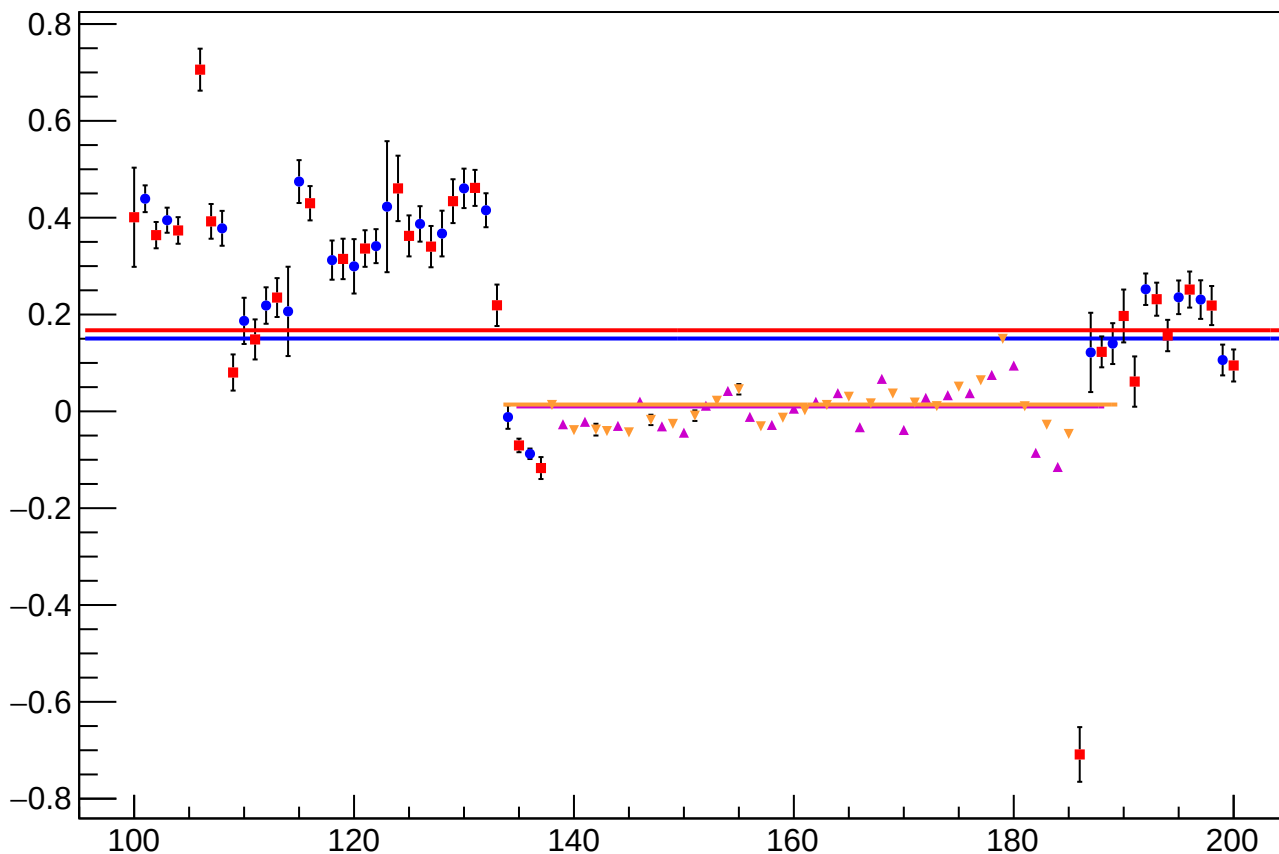
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.986 ± 0.030 χ^2/NDF : 4398.2/47

All: -5.980 ± 0.022 χ^2/NDF : 8179.6/98

- sign -5.973 ± 0.031 χ^2/NDF : 3781.3/50

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.150 ± 0.006 χ^2/NDF : 1081.1/22

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.167 ± 0.006 χ^2/NDF : 1265.6/27

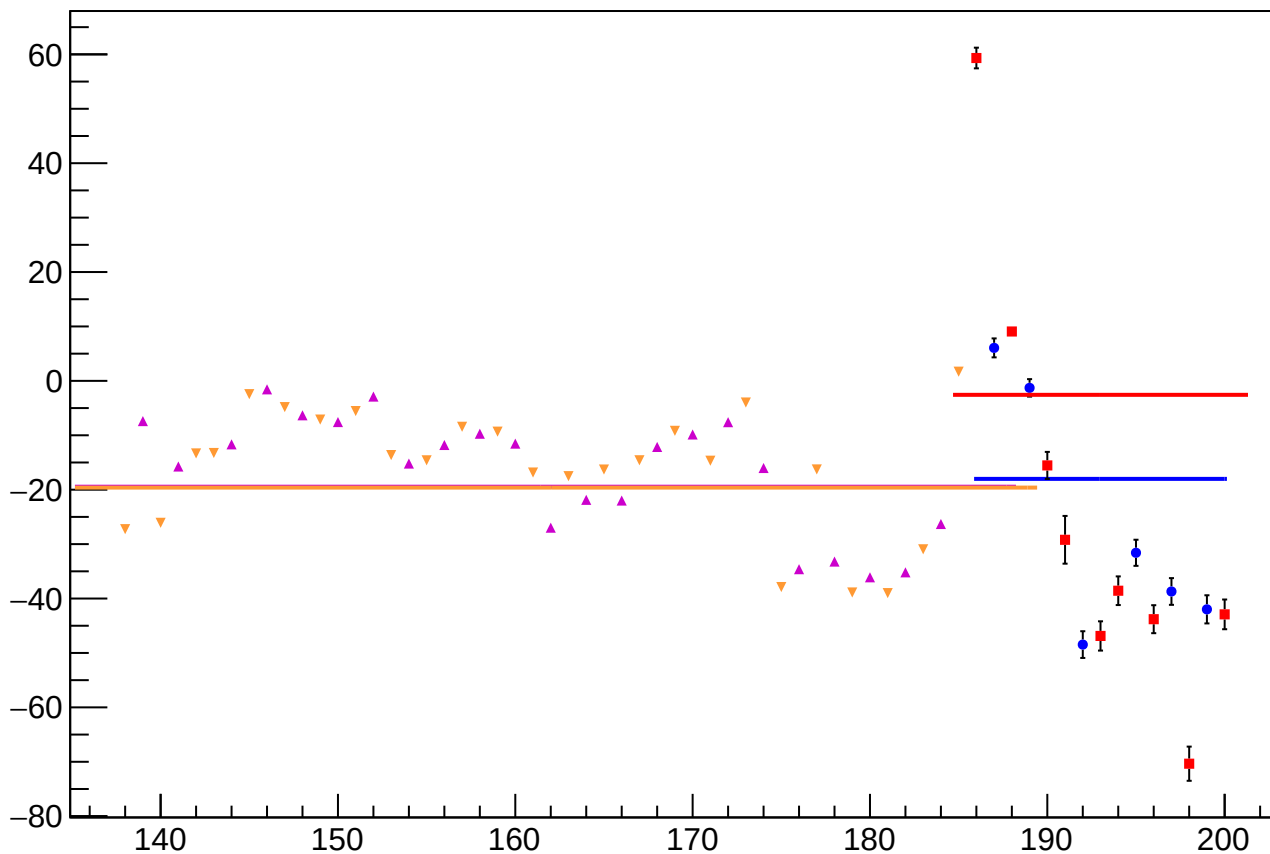
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.020 ± 0.001 χ^2/NDF : 2464.1/47

All: 0.019 ± 0.001 χ^2/NDF : 5518.9/98

- sign 0.018 ± 0.001 χ^2/NDF : 3053.1/50

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -18.011 $\pm$ 0.853 χ^2 /NDF: 642.5/5

Left Out: -19.612 $\pm$ 0.103 χ^2 /NDF:15761.3/24

Right Out: -2.567 $\pm$ 0.626 χ^2 /NDF: 2712.6/8

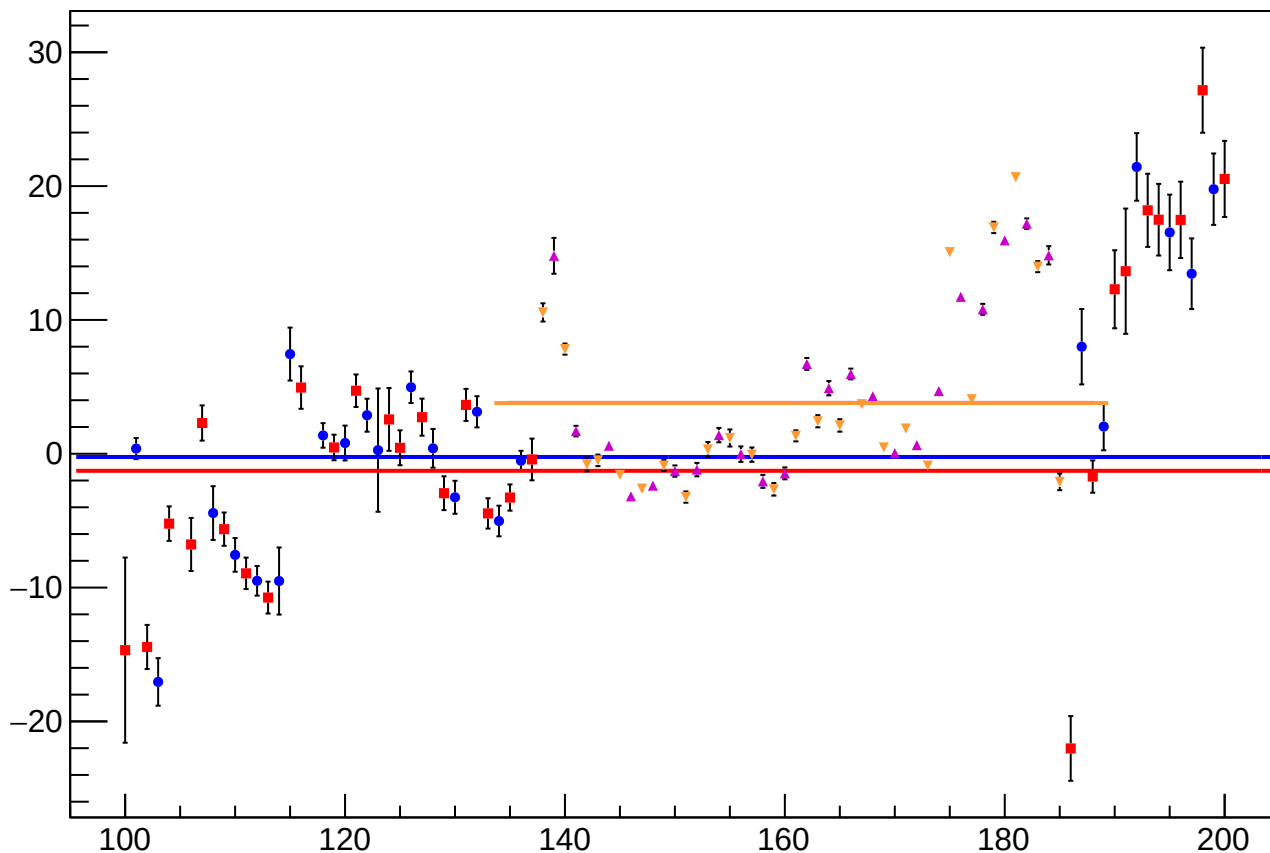
Left In: -19.450 $\pm$ 0.105 χ^2 /NDF:12283.1/22

+ sign -19.589 $\pm$ 0.102 χ^2 /NDF: 16407.2/30

All: -19.292 $\pm$ 0.073 χ^2 /NDF: 32127.1/62

- sign -18.988 $\pm$ 0.104 χ^2 /NDF: 15702.8/31

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.241 ± 0.281 χ^2/NDF : 491.4/22

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -1.273 ± 0.282 χ^2/NDF : 684.0/27

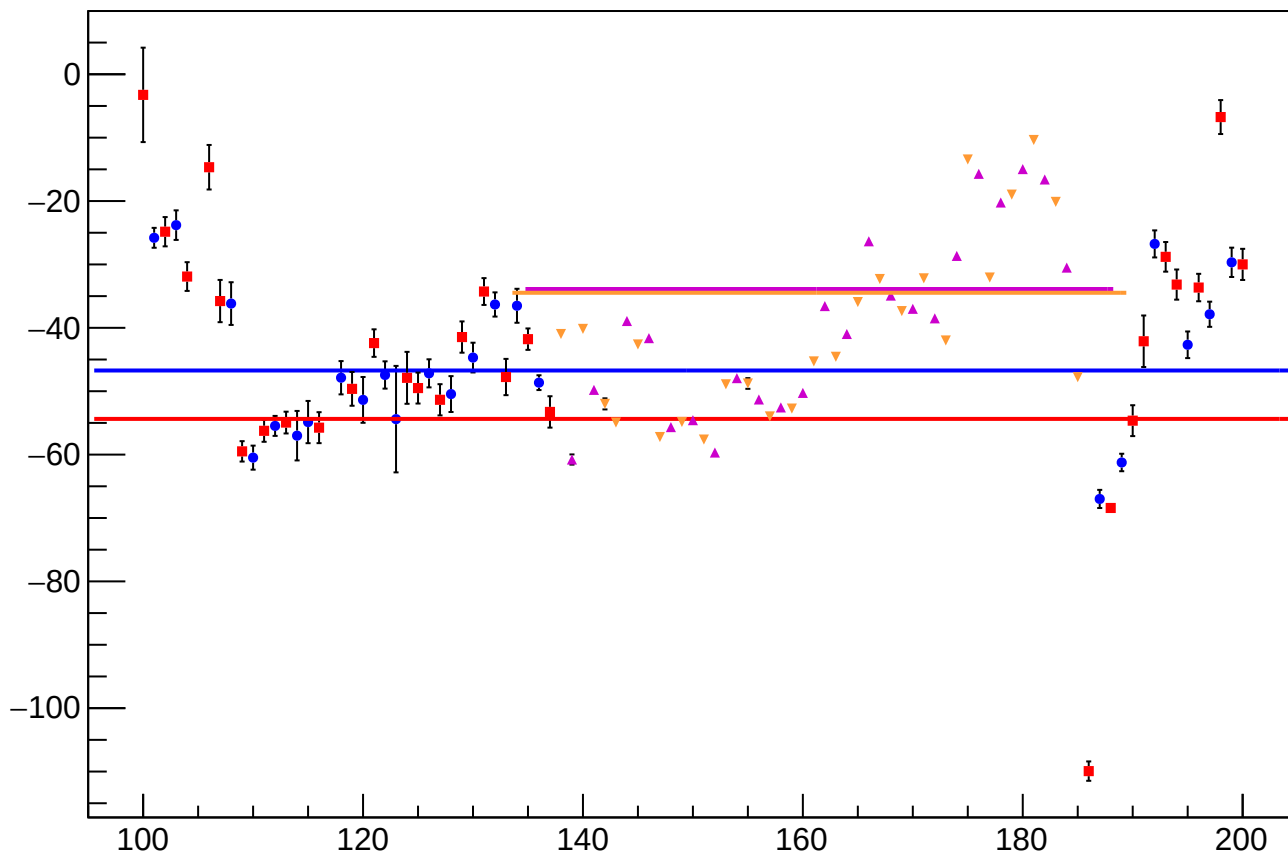
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.471 ± 0.079 χ^2/NDF : 7831.5/47

All: 3.431 ± 0.056 χ^2/NDF : 14329.8/98

- sign 3.390 ± 0.080 χ^2/NDF : 6497.8/50

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -46.731 ± 0.425 $\chi^2/\text{NDF}: 909.9/22$

Left Out: -34.471 ± 0.104 $\chi^2/\text{NDF}: 20196.3/24$

Right Out: -54.368 ± 0.372 $\chi^2/\text{NDF}: 3158.2/27$

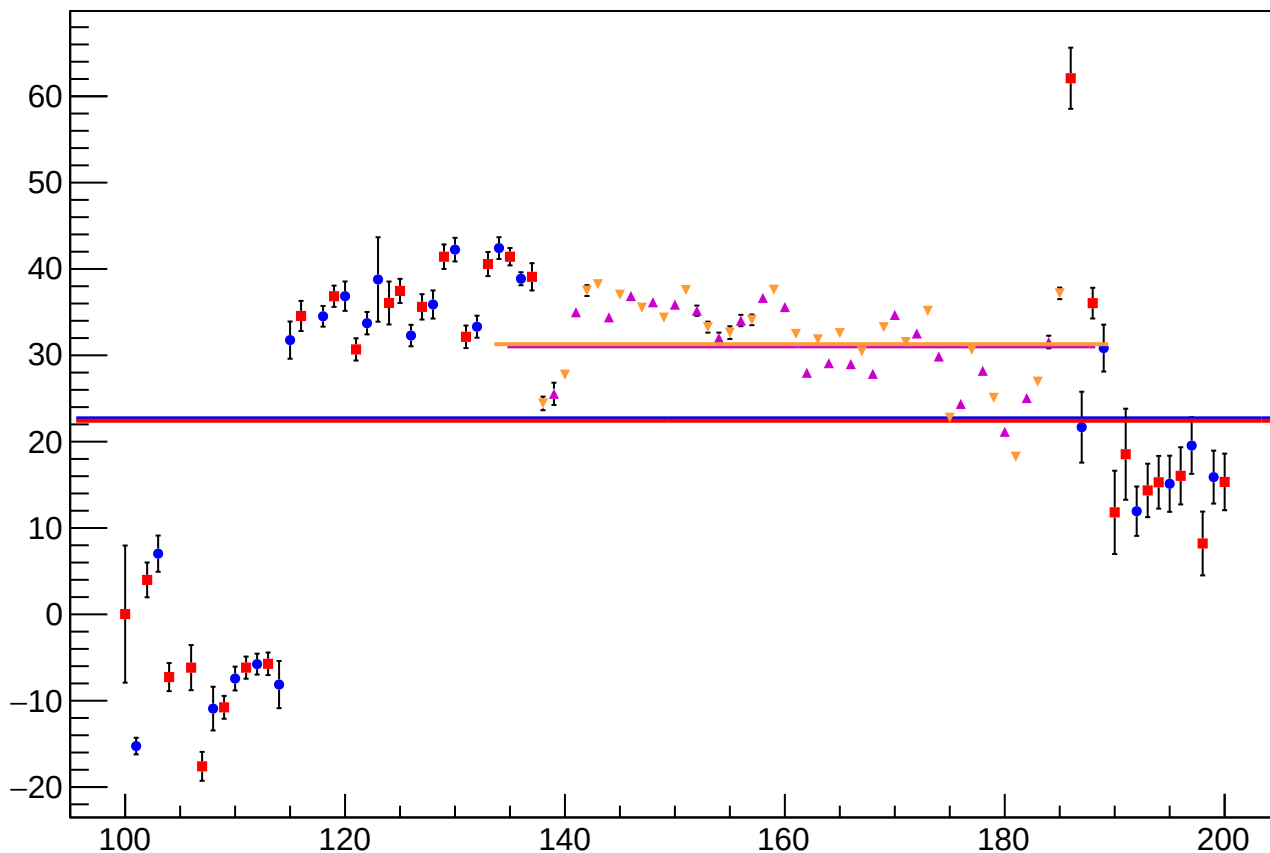
Left In: -33.875 ± 0.105 $\chi^2/\text{NDF}: 17638.7/22$

+ sign -35.162 ± 0.101 $\chi^2/\text{NDF}: 21890.1/47$

All: -35.279 ± 0.072 $\chi^2/\text{NDF}: 45503.7/98$

- sign -35.397 ± 0.101 $\chi^2/\text{NDF}: 23610.9/50$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.700 $\pm$ 0.318 χ^2 /NDF: 4352.1/22

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.423 $\pm$ 0.323 χ^2 /NDF: 4255.7/27

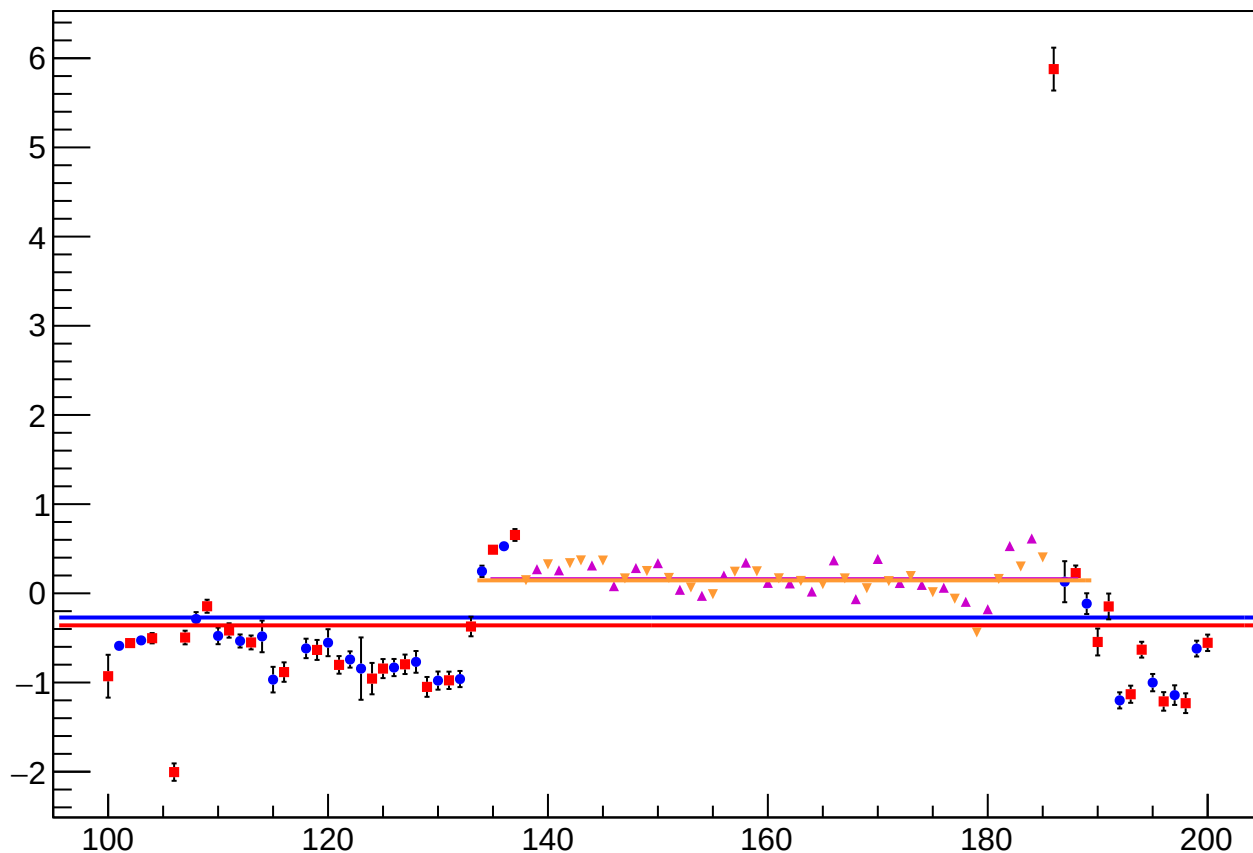
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.619 $\pm$ 0.089 χ^2 /NDF: 8369.0/47

All: 30.494 $\pm$ 0.063 χ^2 /NDF: 15763.3/98

- sign 30.365 $\pm$ 0.090 χ^2 /NDF: 7390.2/50

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.271 ± 0.016 χ^2/NDF : 1266.9/22

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.359 ± 0.016 χ^2/NDF : 2110.2/27

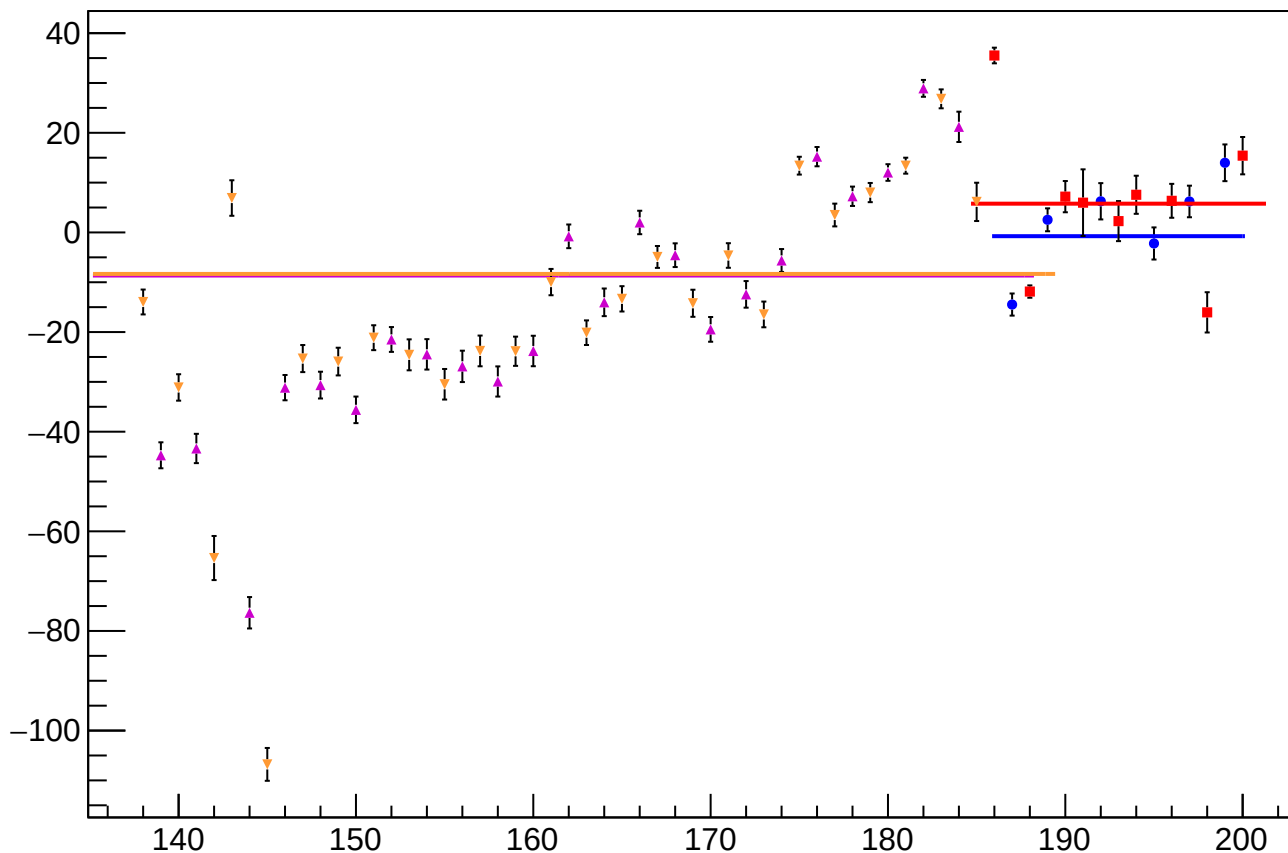
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.120 ± 0.004 χ^2/NDF : 3447.5/47

All: 0.122 ± 0.003 χ^2/NDF : 8518.2/98

- sign 0.125 ± 0.004 χ^2/NDF : 5069.9/50

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -0.753 ± 1.165 χ^2/NDF : 65.0/5

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 5.773 ± 0.809 χ^2/NDF : 598.2/8

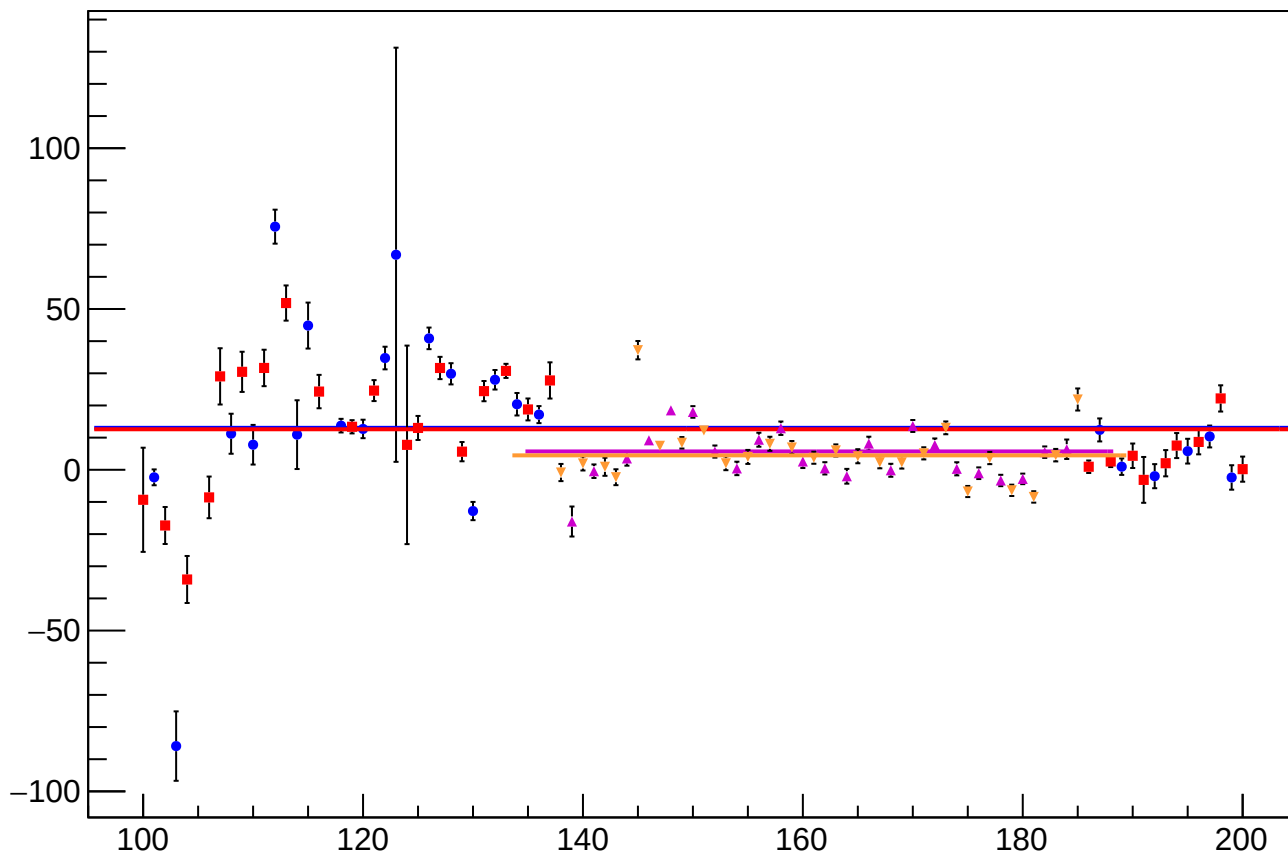
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -7.155 ± 0.459 χ^2/NDF : 2326.9/30

All: -5.781 ± 0.314 χ^2/NDF : 5394.1/62

- sign -4.578 ± 0.430 χ^2/NDF : 3050.4/31

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 13.044 ± 0.730 $\chi^2/\text{NDF}: 590.7/22$

Left Out: 4.484 ± 0.392 $\chi^2/\text{NDF}: 371.9/24$

Right Out: 12.598 ± 0.667 $\chi^2/\text{NDF}: 407.0/27$

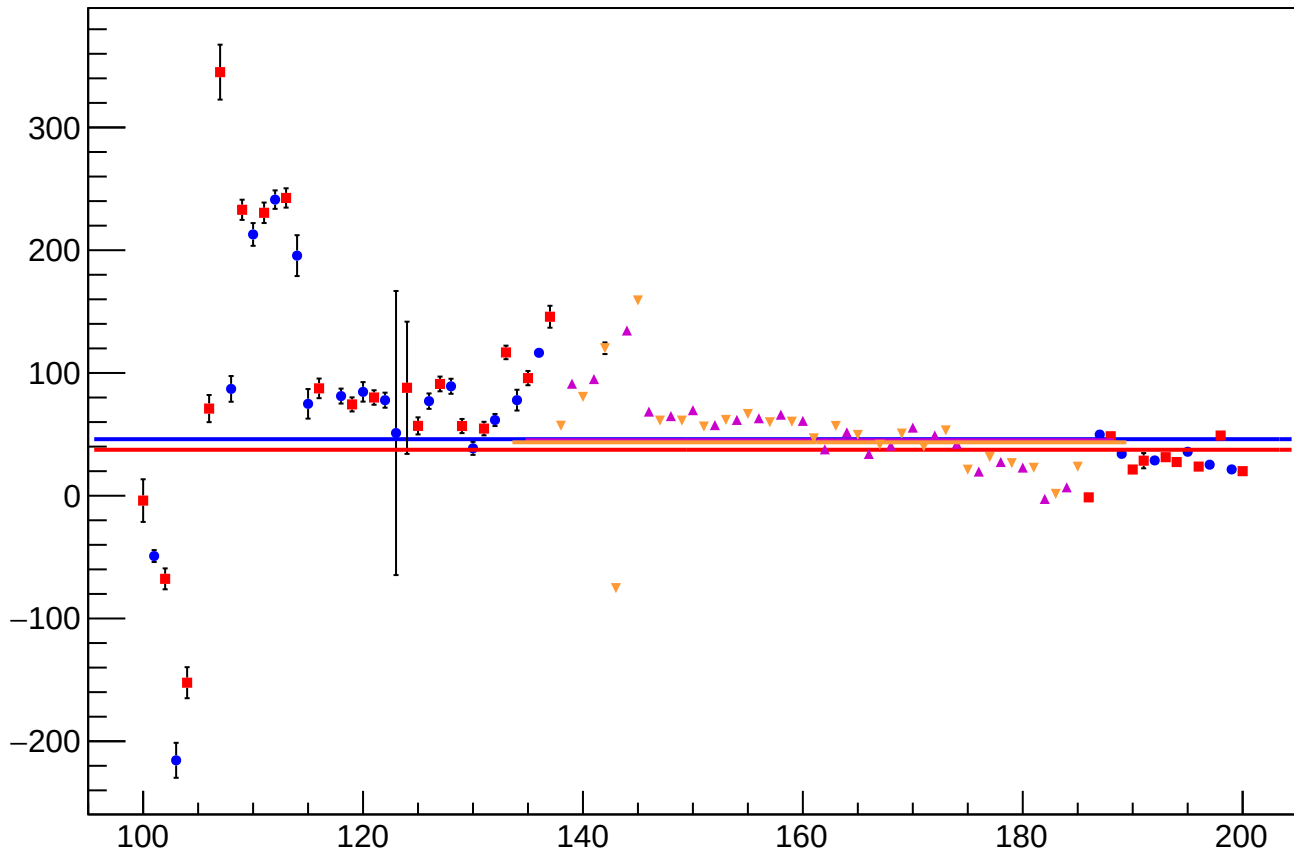
Left In: 5.705 ± 0.404 $\chi^2/\text{NDF}: 324.1/22$

+ sign 6.402 ± 0.345 $\chi^2/\text{NDF}: 1069.3/47$

All: 6.978 ± 0.244 $\chi^2/\text{NDF}: 1884.0/98$

- sign 7.556 ± 0.346 $\chi^2/\text{NDF}: 809.1/50$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 46.071 ± 0.843 χ^2/NDF : 2506.1/22

Left Out: 43.524 ± 0.498 χ^2/NDF : 3830.7/24

Right Out: 37.440 ± 0.623 χ^2/NDF : 4233.4/27

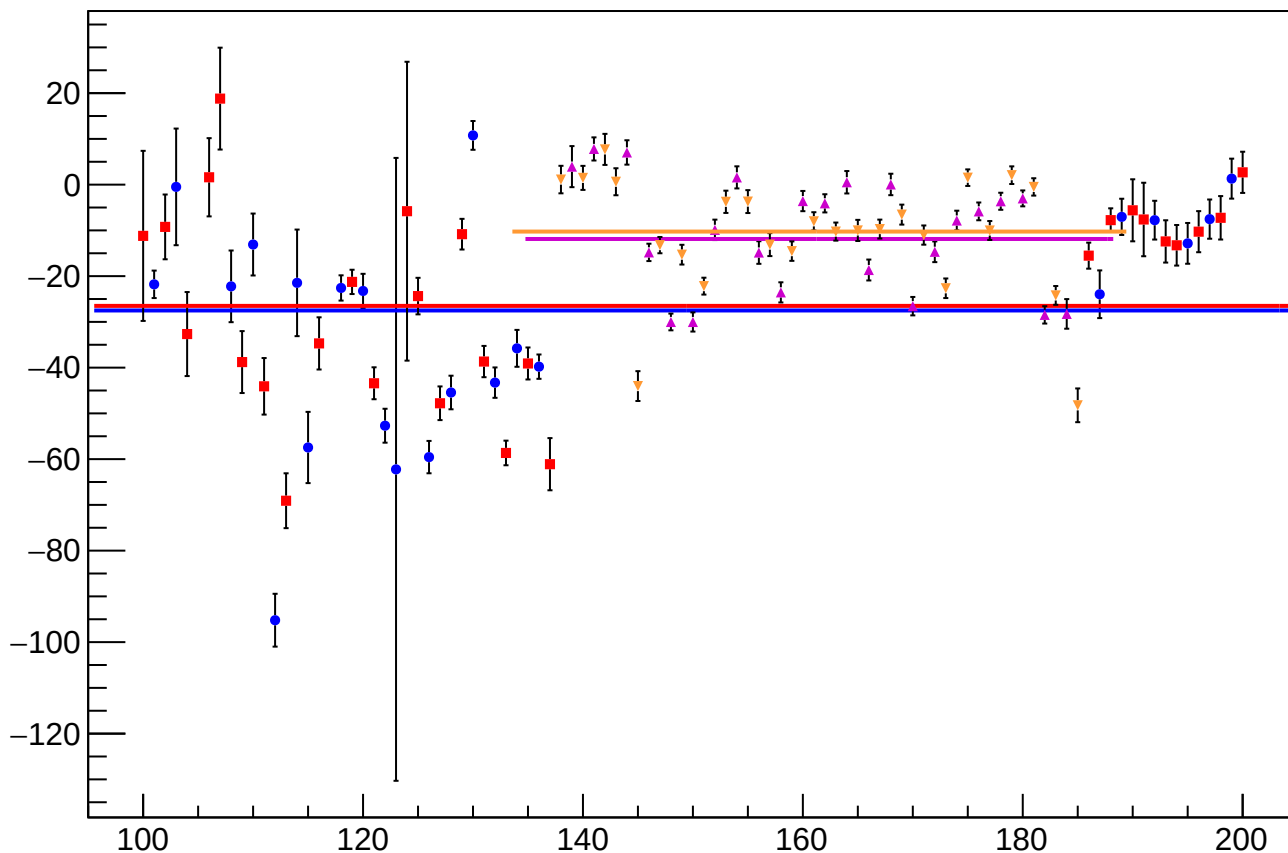
Left In: 45.211 ± 0.504 χ^2/NDF : 3048.5/22

+ sign 44.184 ± 0.429 χ^2/NDF : 6343.5/47

All: 43.069 ± 0.289 χ^2/NDF : 13731.7/98

- sign 42.138 ± 0.392 χ^2/NDF : 7375.8/50

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -27.504 ± 0.862 χ^2/NDF : 643.6/22

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -26.502 ± 0.816 χ^2/NDF : 559.3/27

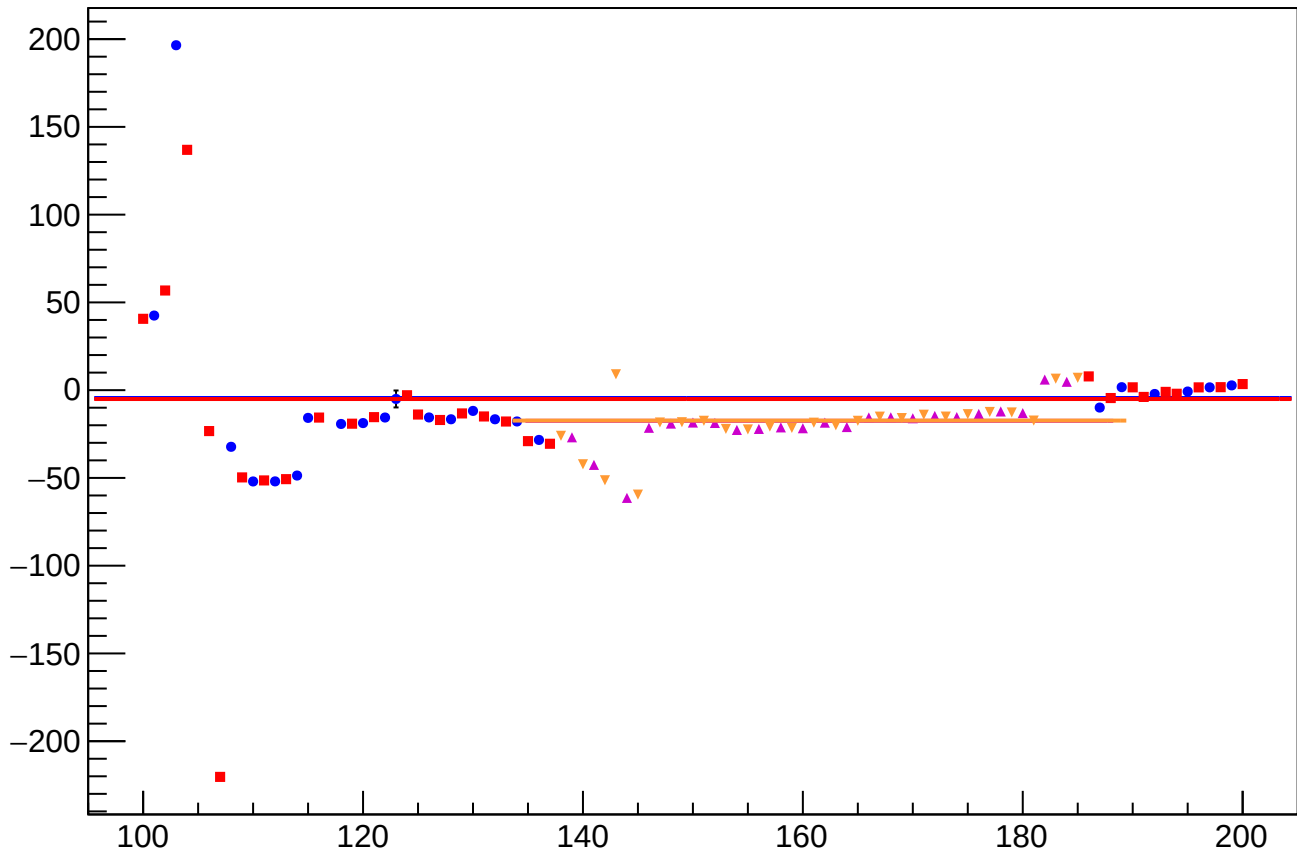
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.879 ± 0.395 χ^2/NDF : 1512.6/47

All: -14.612 ± 0.280 χ^2/NDF : 2989.8/98

- sign -15.357 ± 0.398 χ^2/NDF : 1470.3/50

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -4.478 ± 0.043 $\chi^2/\text{NDF}: 587969.9/22$

Left Out: -17.333 ± 0.020 $\chi^2/\text{NDF}: 325197.2/24$

Right Out: -5.049 ± 0.039 $\chi^2/\text{NDF}: 590457.9/27$

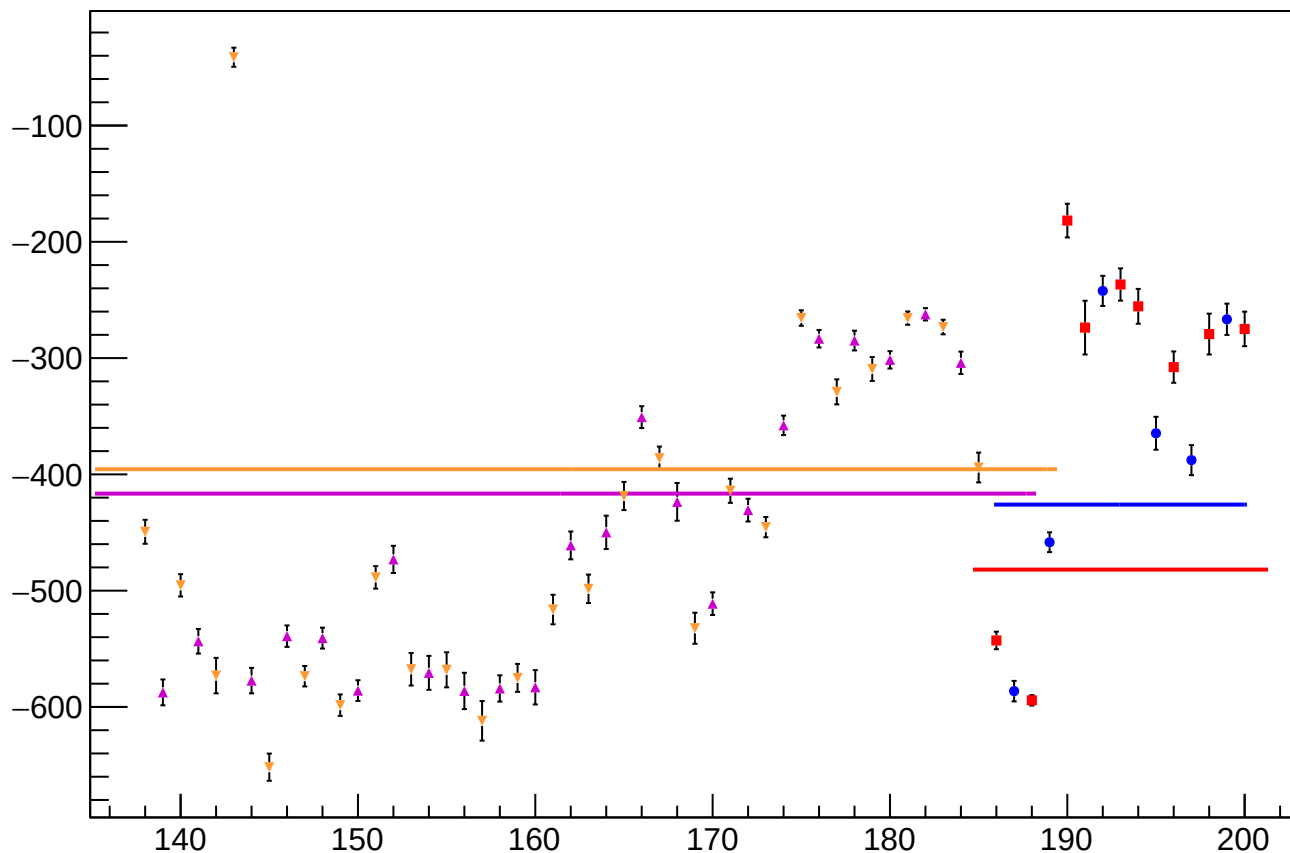
Left In: -17.491 ± 0.021 $\chi^2/\text{NDF}: 259215.8/22$

+ sign -14.948 ± 0.018 $\chi^2/\text{NDF}: 986841.5/47$

All: -14.855 ± 0.013 $\chi^2/\text{NDF}: 1915928.7/98$

- sign -14.764 ± 0.018 $\chi^2/\text{NDF}: 929037.2/50$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -425.975+/-4.514 χ^2/NDF : 714.3/5

Left Out: -395.547+/-1.953 χ^2/NDF : 5946.5/24

Right Out: -481.875+/-3.214 χ^2/NDF : 2239.2/8

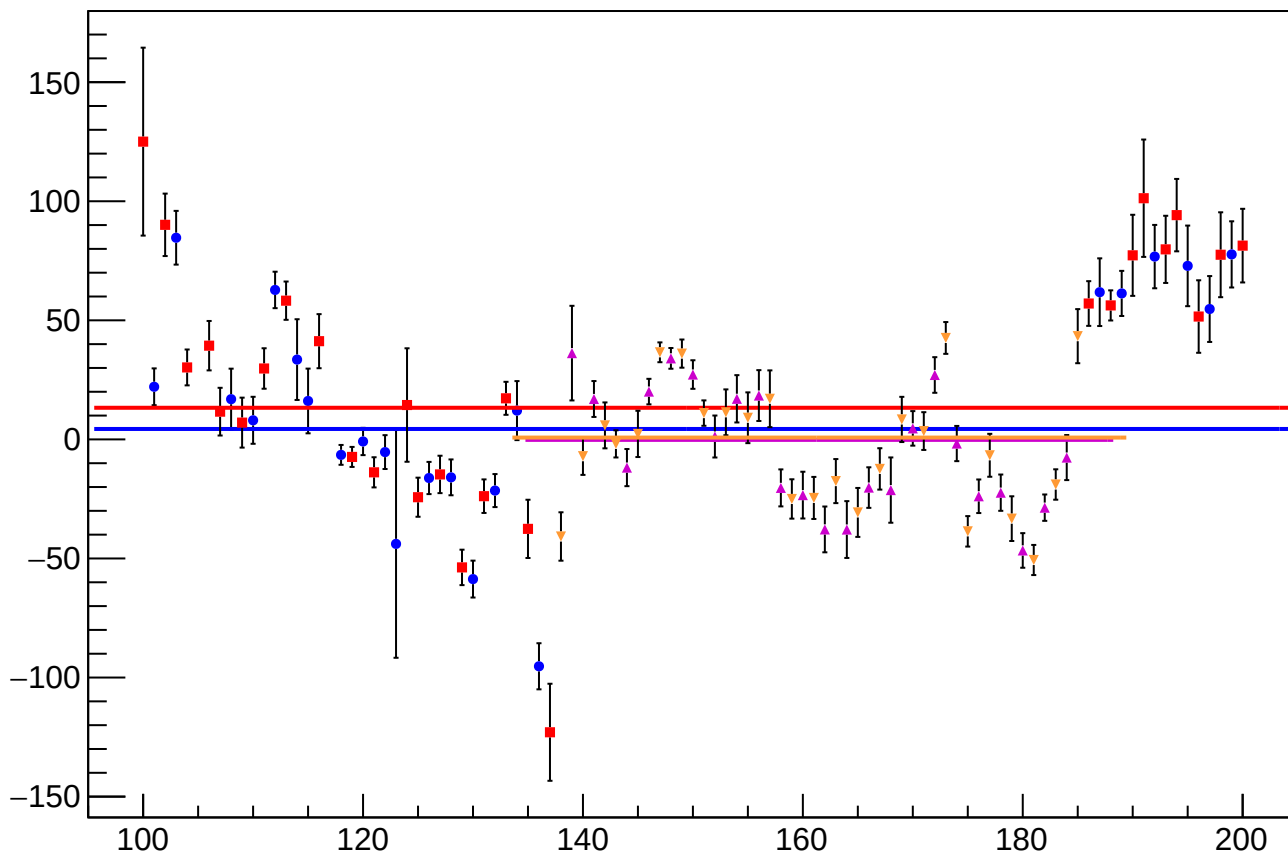
Left In: -416.521+/-2.005 χ^2/NDF : 3917.0/22

+ sign -400.347+/-1.793 χ^2/NDF : 6699.1/30

All: -418.493+/-1.234 χ^2/NDF : 13347.7/62

- sign -434.829+/-1.701 χ^2/NDF : 6453.9/31

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 4.380 ± 1.811 χ^2/NDF : 472.0/22

Left Out: 0.767 ± 1.503 χ^2/NDF : 350.1/24

Right Out: 13.282 ± 1.729 χ^2/NDF : 526.8/27

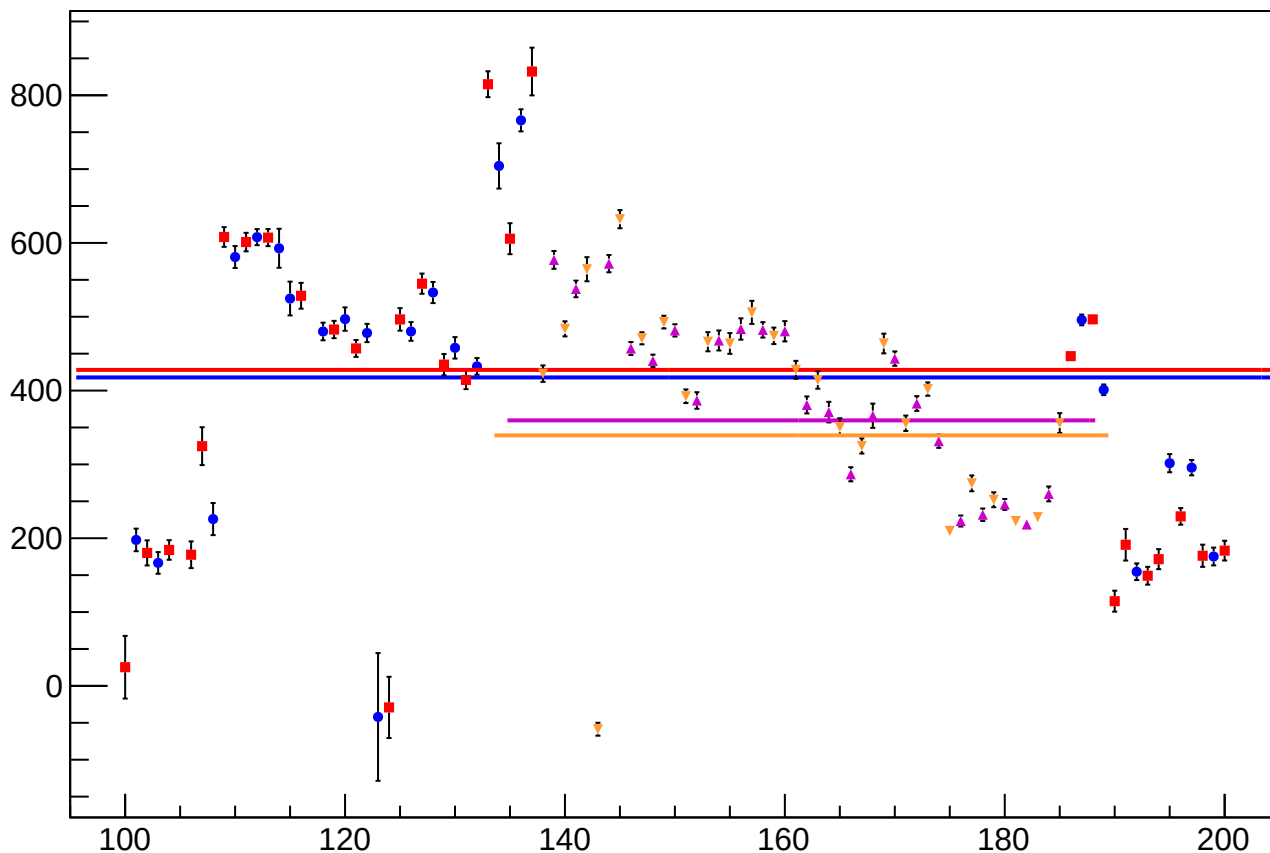
Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

+ sign 2.241 ± 1.156 χ^2/NDF : 824.4/47

All: 4.065 ± 0.820 χ^2/NDF : 1650.2/98

- sign 5.914 ± 1.164 χ^2/NDF : 820.8/50

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 417.785 ± 2.643 $\chi^2/\text{NDF}: 3197.0/22$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 428.014 ± 2.126 $\chi^2/\text{NDF}: 5246.6/27$

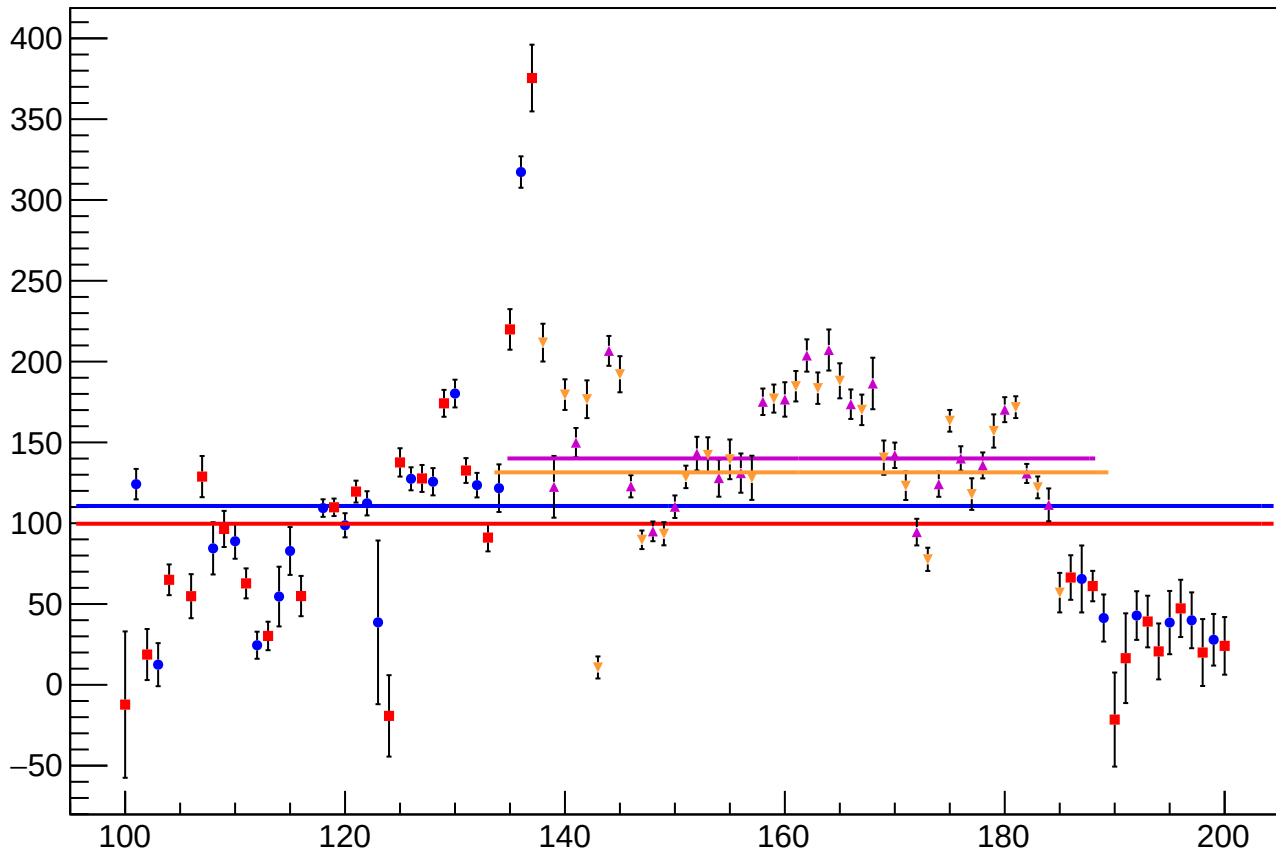
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 367.232 ± 1.576 $\chi^2/\text{NDF}: 9267.1/47$

All: 380.456 ± 1.070 $\chi^2/\text{NDF}: 18591.5/98$

- sign 391.773 ± 1.458 $\chi^2/\text{NDF}: 9193.7/50$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 110.668 ± 2.121 χ^2/NDF : 820.9/22

Left Out: 131.464 ± 1.728 χ^2/NDF : 809.3/24

Right Out: 99.674 ± 2.042 χ^2/NDF : 712.4/27

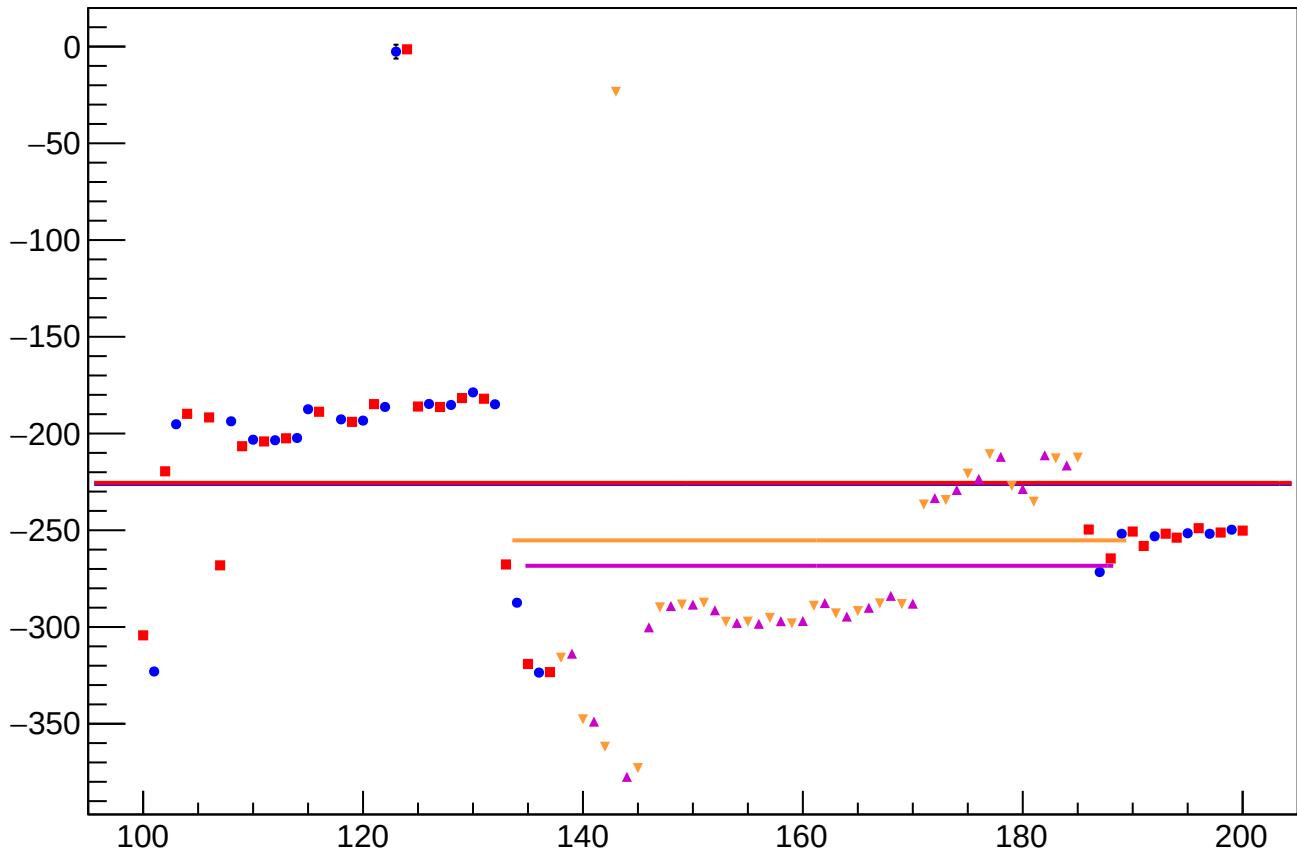
Left In: 140.069 ± 1.795 χ^2/NDF : 316.5/22

+ sign 123.169 ± 1.339 χ^2/NDF : 1688.0/47

All: 122.816 ± 0.950 χ^2/NDF : 2937.9/98

- sign 122.459 ± 1.348 χ^2/NDF : 1249.7/50

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -226.037 ± 0.118 $\chi^2/\text{NDF}: 163357.1/22$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -225.503 ± 0.108 $\chi^2/\text{NDF}: 147089.2/27$

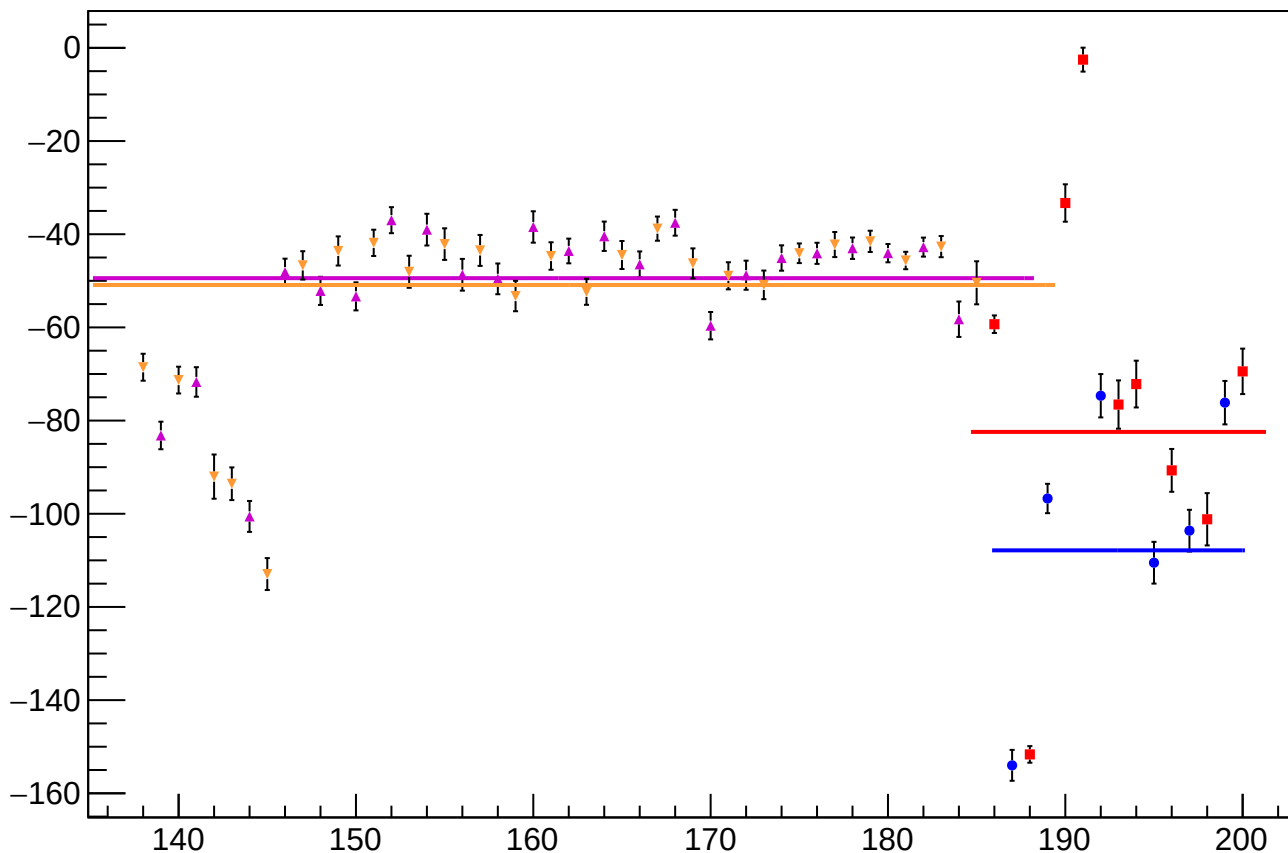
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.768 ± 0.067 $\chi^2/\text{NDF}: 932501.5/47$

All: -249.119 ± 0.047 $\chi^2/\text{NDF}: 1444972.9/98$

- sign -252.353 ± 0.066 $\chi^2/\text{NDF}: 507612.4/50$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -107.853 ± 1.615 χ^2/NDF : 304.3/5

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -82.430 ± 0.996 χ^2/NDF : 2806.5/8

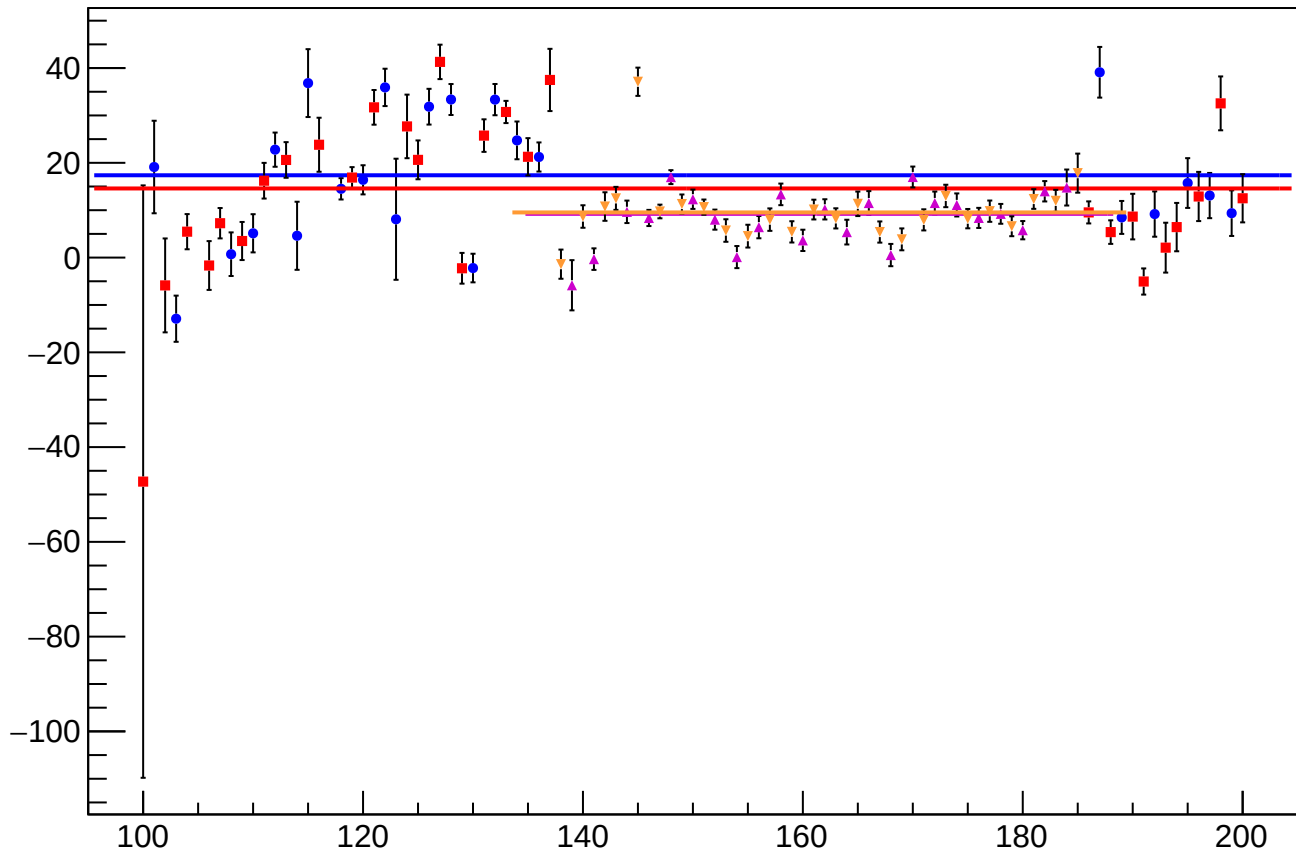
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -57.261 ± 0.540 χ^2/NDF : 2170.2/30

All: -57.589 ± 0.368 χ^2/NDF : 6337.9/62

- sign -57.874 ± 0.504 χ^2/NDF : 4167.0/31

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 17.374 $\pm$ 0.825 χ^2 /NDF: 237.0/22

Left Out: 9.530 $\pm$ 0.446 χ^2 /NDF:134.4/24

Right Out: 14.587 $\pm$ 0.700 χ^2 /NDF: 311.4/27

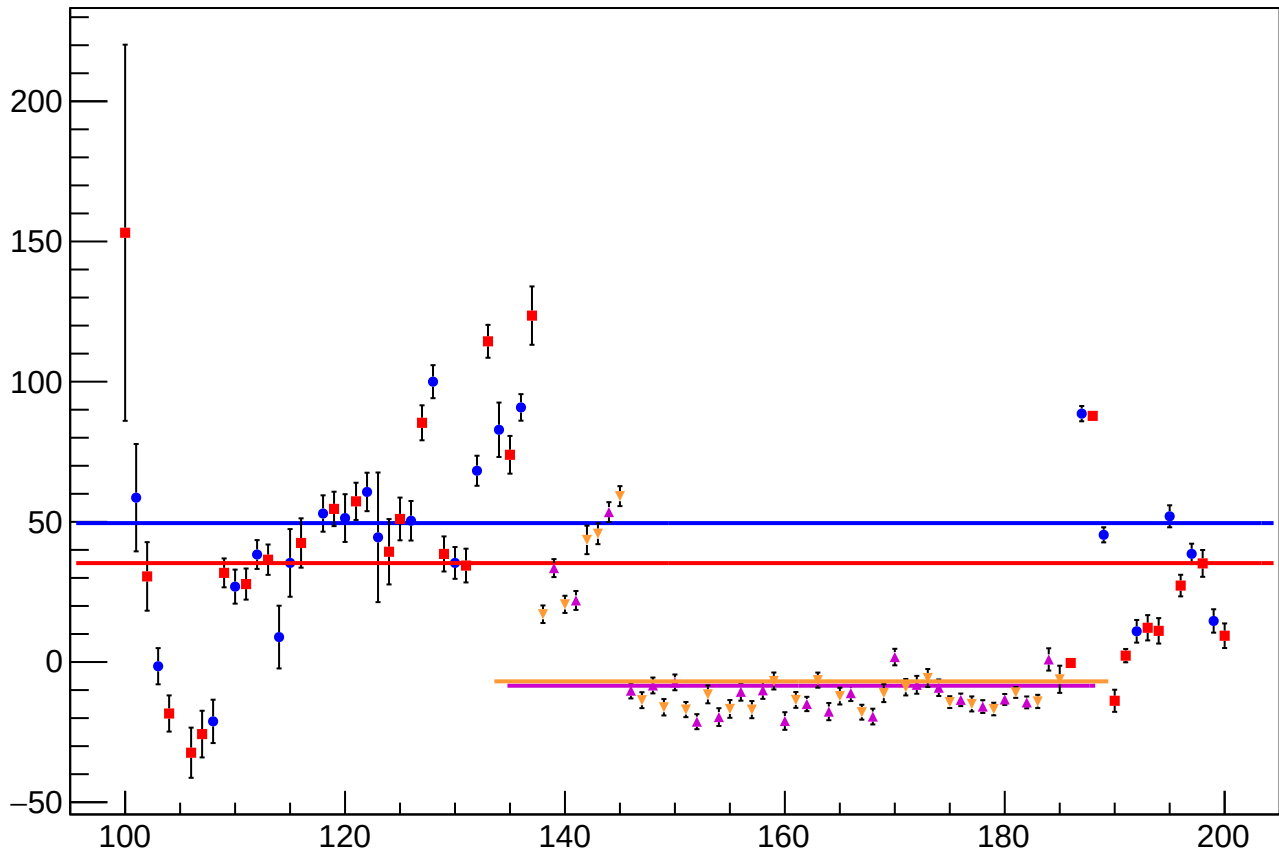
Left In: 9.231 $\pm$ 0.462 χ^2 /NDF:124.0/22

+ sign 11.304 $\pm$ 0.392 χ^2 /NDF: 441.3/47

All: 11.076 $\pm$ 0.275 χ^2 /NDF: 918.2/98

- sign 10.856 $\pm$ 0.385 χ^2 /NDF: 476.2/50

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 49.553+/-1.062 χ^2/NDF : 740.2/22

Left Out: -6.888+/-0.571 χ^2/NDF : 914.2/24

Right Out: 35.286+/-0.743 χ^2/NDF : 2897.3/27

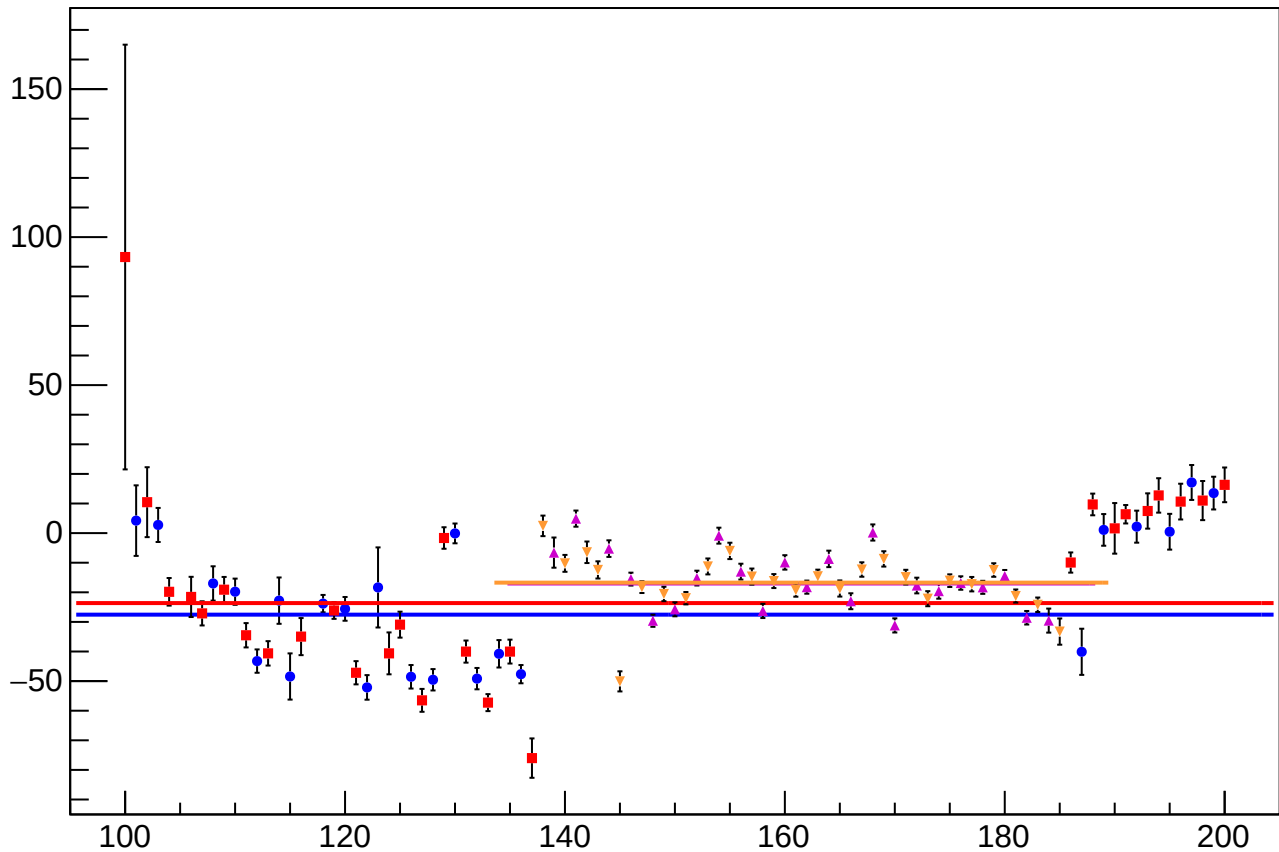
Left In: -8.451+/-0.580 χ^2/NDF : 688.9/22

+ sign 5.759+/-0.503 χ^2/NDF : 3844.0/47

All: 7.049+/-0.338 χ^2/NDF : 9597.2/98

- sign 8.114+/-0.457 χ^2/NDF : 5741.2/50

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -27.549 ± 0.958 χ^2/NDF : 516.4/22

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -23.638 ± 0.837 χ^2/NDF : 803.1/27

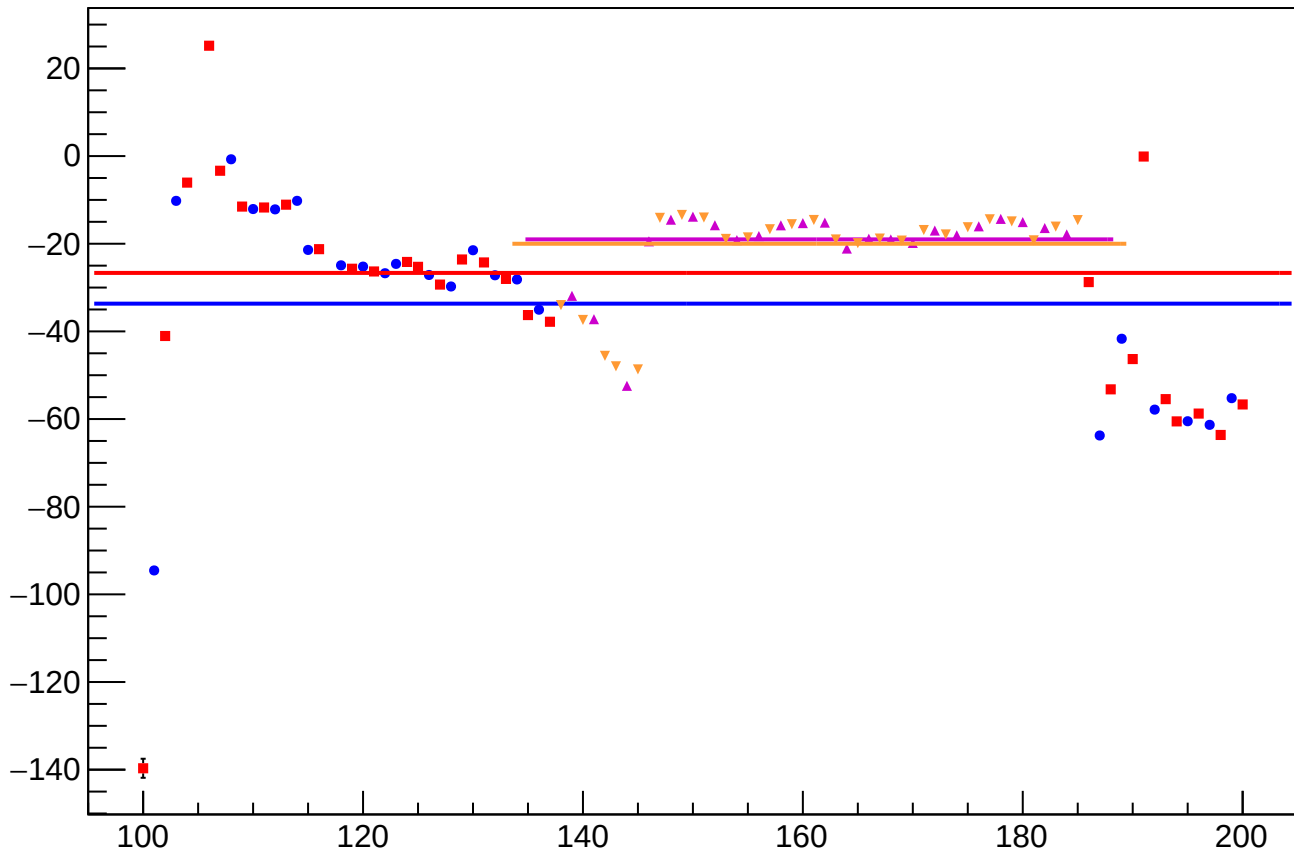
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.097 ± 0.448 χ^2/NDF : 839.3/47

All: -18.985 ± 0.315 χ^2/NDF : 2015.2/98

- sign -18.876 ± 0.443 χ^2/NDF : 1175.7/50

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -33.671 ± 0.048 χ^2/NDF : 177957.5/22

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -26.659 ± 0.039 χ^2/NDF : 387613.7/27

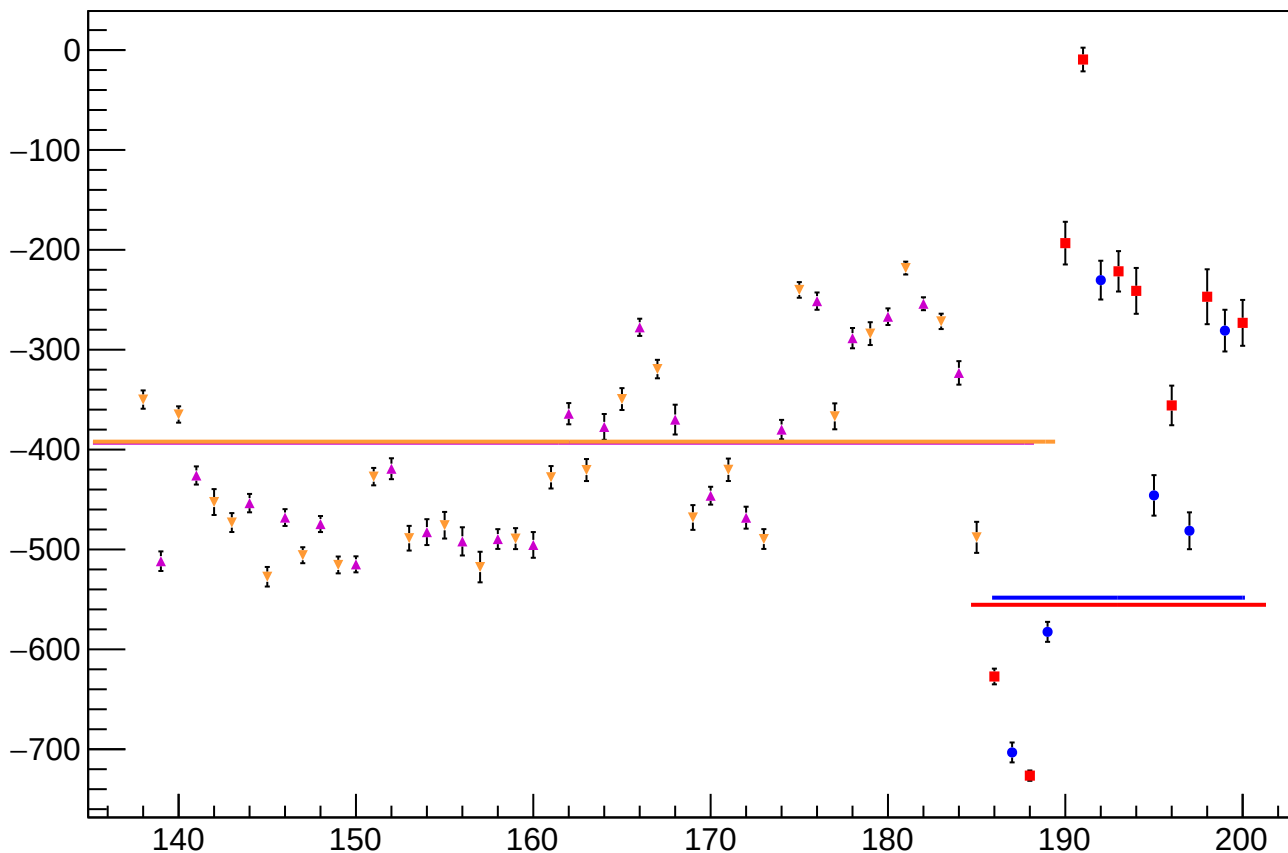
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -22.646 ± 0.021 χ^2/NDF : 390067.3/47

All: -21.831 ± 0.015 χ^2/NDF : 899635.4/98

- sign -21.069 ± 0.020 χ^2/NDF : 506630.5/50

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -548.253 ± 5.737 χ^2/NDF : 724.4/5

Left Out: -392.054 ± 1.967 χ^2/NDF : 2717.2/24

Right Out: -555.389 ± 3.704 χ^2/NDF : 4419.5/8

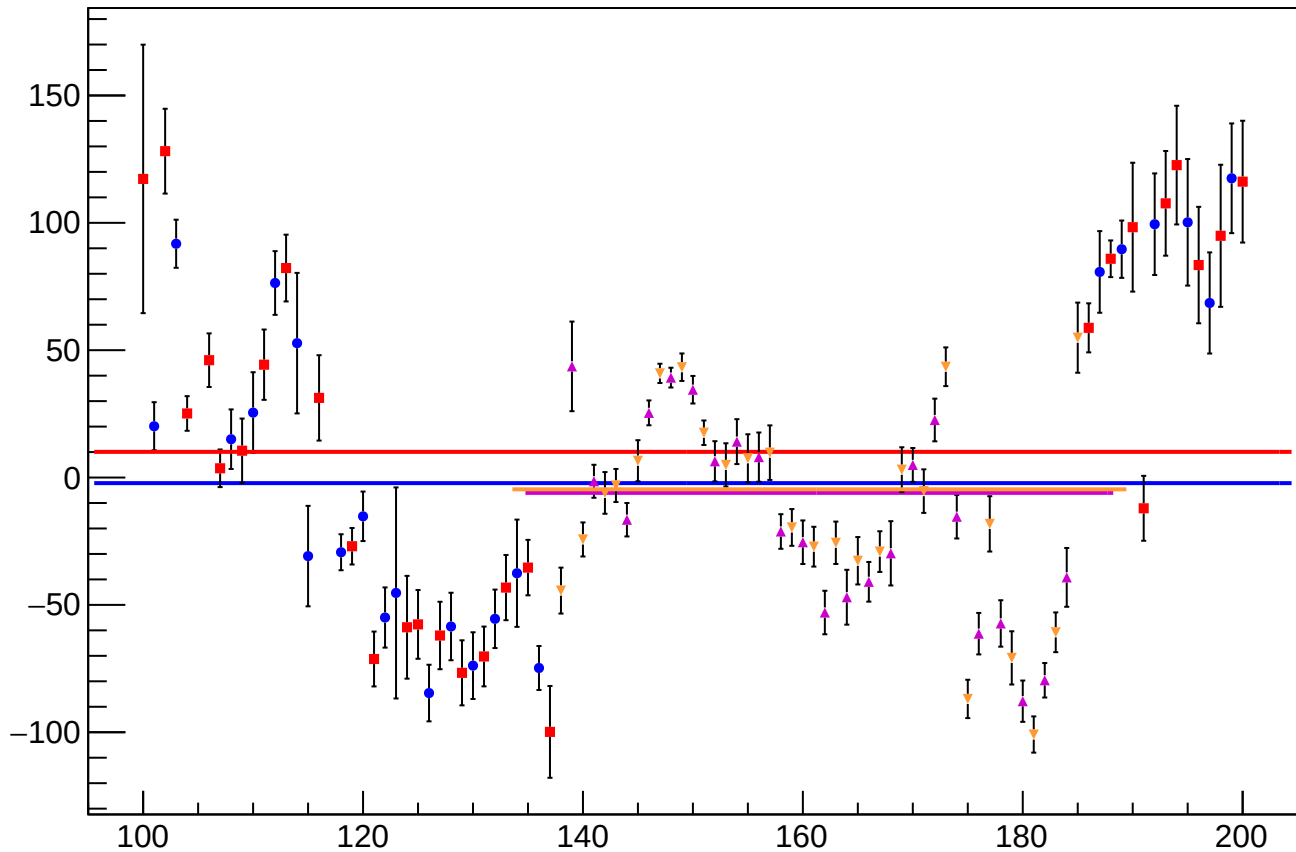
Left In: -393.113 ± 2.006 χ^2/NDF : 2253.3/22

+ sign -408.479 ± 1.860 χ^2/NDF : 4104.9/30

All: -419.759 ± 1.280 χ^2/NDF : 12331.6/62

- sign -429.898 ± 1.764 χ^2/NDF : 8156.9/31

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -2.193 ± 2.618 $\chi^2/\text{NDF}: 571.0/22$

Left Out: -4.624 ± 1.462 $\chi^2/\text{NDF}: 772.9/24$

Right Out: 10.084 ± 2.273 $\chi^2/\text{NDF}: 661.8/27$

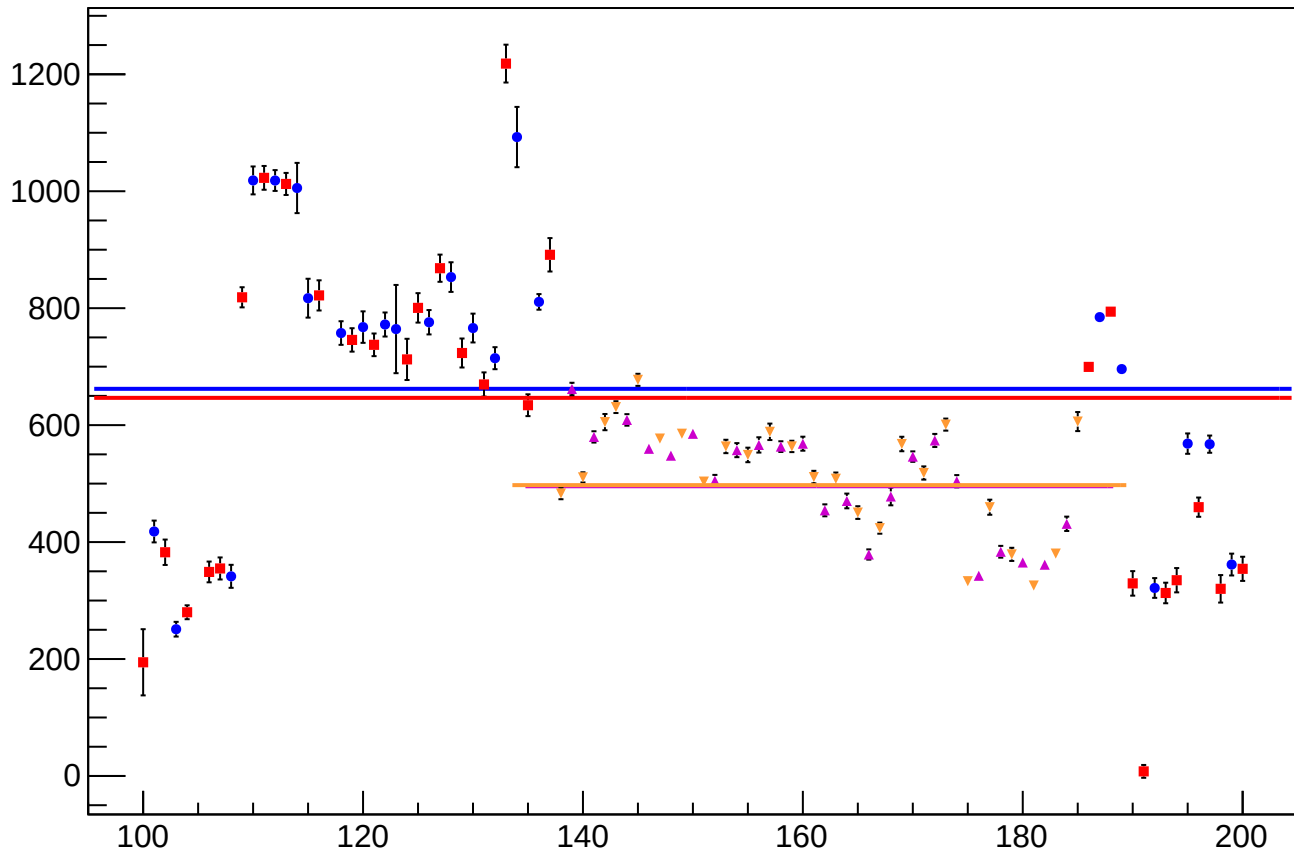
Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

+ sign -4.046 ± 1.277 $\chi^2/\text{NDF}: 1344.6/47$

All: -2.535 ± 0.897 $\chi^2/\text{NDF}: 2697.9/98$

- sign -1.059 ± 1.261 $\chi^2/\text{NDF}: 1350.6/50$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 662.090 ± 3.481 $\chi^2/\text{NDF}: 3564.2/22$

Left Out: 497.381 ± 1.966 $\chi^2/\text{NDF}: 2614.6/24$

Right Out: 646.652 ± 2.571 $\chi^2/\text{NDF}: 9169.4/27$

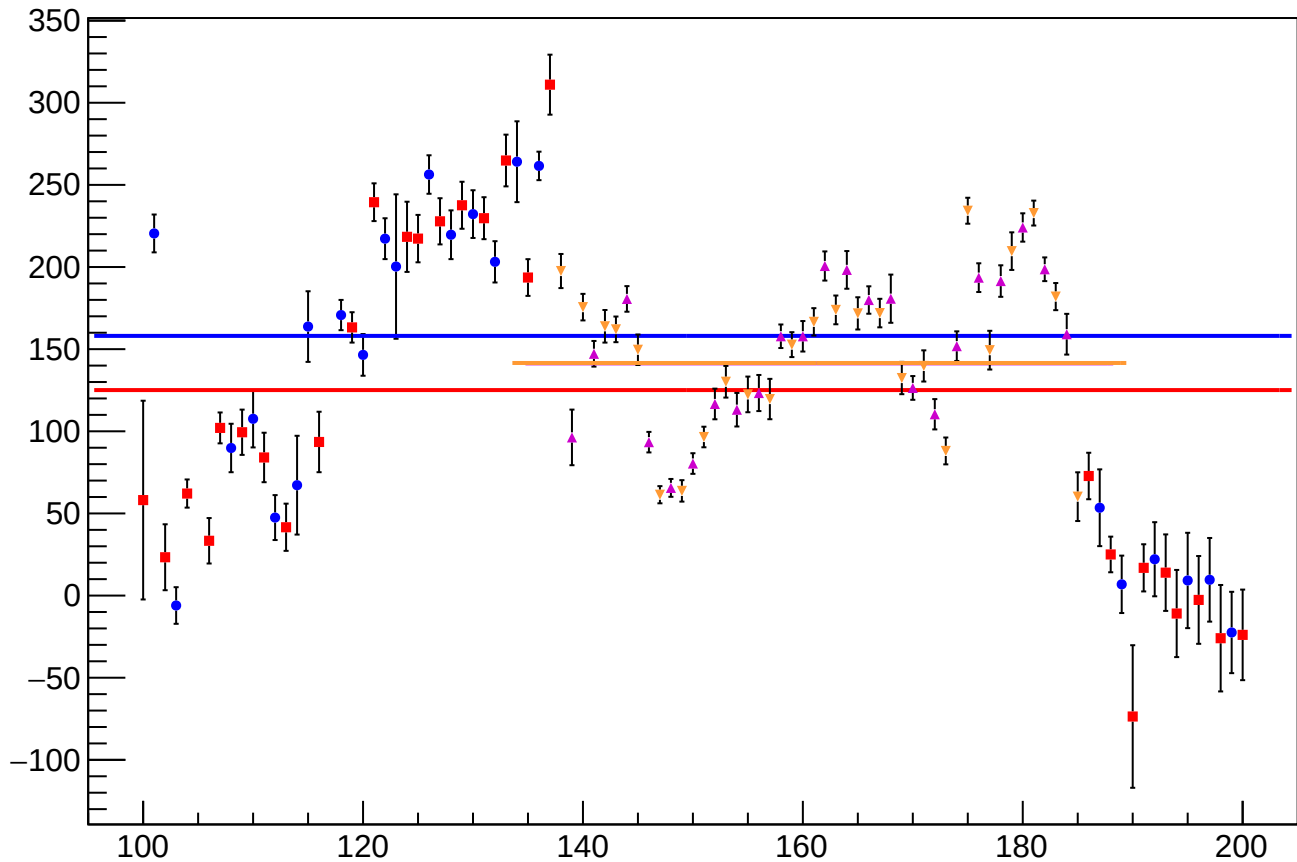
Left In: 495.454 ± 1.992 $\chi^2/\text{NDF}: 2253.8/22$

+ sign 537.218 ± 1.712 $\chi^2/\text{NDF}: 7876.6/47$

All: 545.320 ± 1.159 $\chi^2/\text{NDF}: 21502.2/98$

- sign 552.178 ± 1.575 $\chi^2/\text{NDF}: 13584.2/50$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 158.081 ± 3.066 $\chi^2/\text{NDF}: 909.1/22$

Left Out: 141.588 ± 1.698 $\chi^2/\text{NDF}: 959.6/24$

Right Out: 125.092 ± 2.736 $\chi^2/\text{NDF}: 1056.3/27$

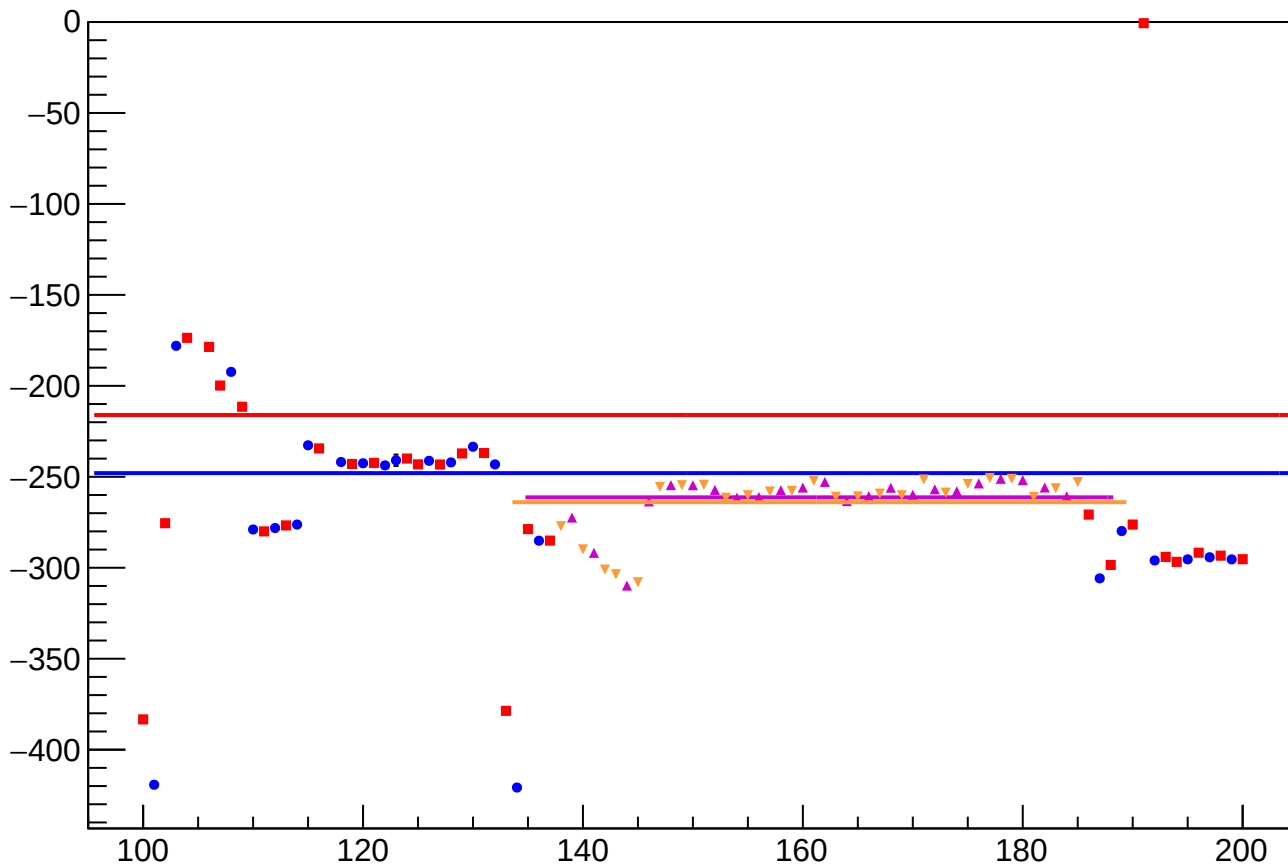
Left In: 141.360 ± 1.748 $\chi^2/\text{NDF}: 741.2/22$

+ sign 145.461 ± 1.486 $\chi^2/\text{NDF}: 1890.8/47$

All: 141.015 ± 1.046 $\chi^2/\text{NDF}: 3731.2/98$

- sign 136.645 ± 1.473 $\chi^2/\text{NDF}: 1822.7/50$

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -247.974 ± 0.146 χ^2/NDF : 188452.6/22

Left Out: -263.943 ± 0.081 χ^2/NDF : 39085.0/24

+ sign -260.157 ± 0.071 χ^2/NDF : 236698.2/47

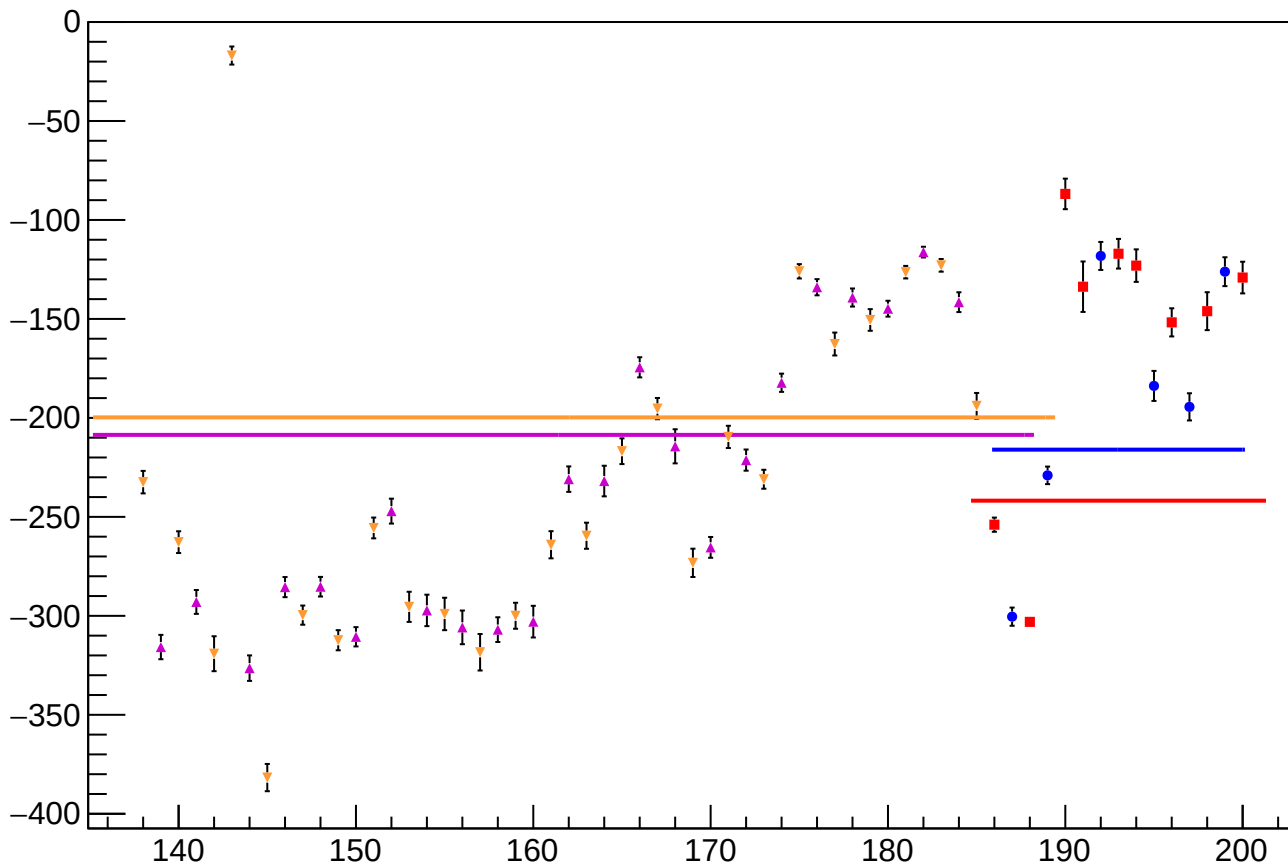
Right Out: -216.041 ± 0.127 χ^2/NDF : 479518.2/27

All: -253.859 ± 0.049 χ^2/NDF : 844740.1/98

Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

- sign -247.936 ± 0.069 χ^2/NDF : 592759.1/50

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -216.039 ± 2.386 χ^2/NDF : 717.5/5

Left Out: -199.741 ± 1.061 χ^2/NDF : 6361.5/24

Right Out: -241.812 ± 1.672 χ^2/NDF : 2099.4/8

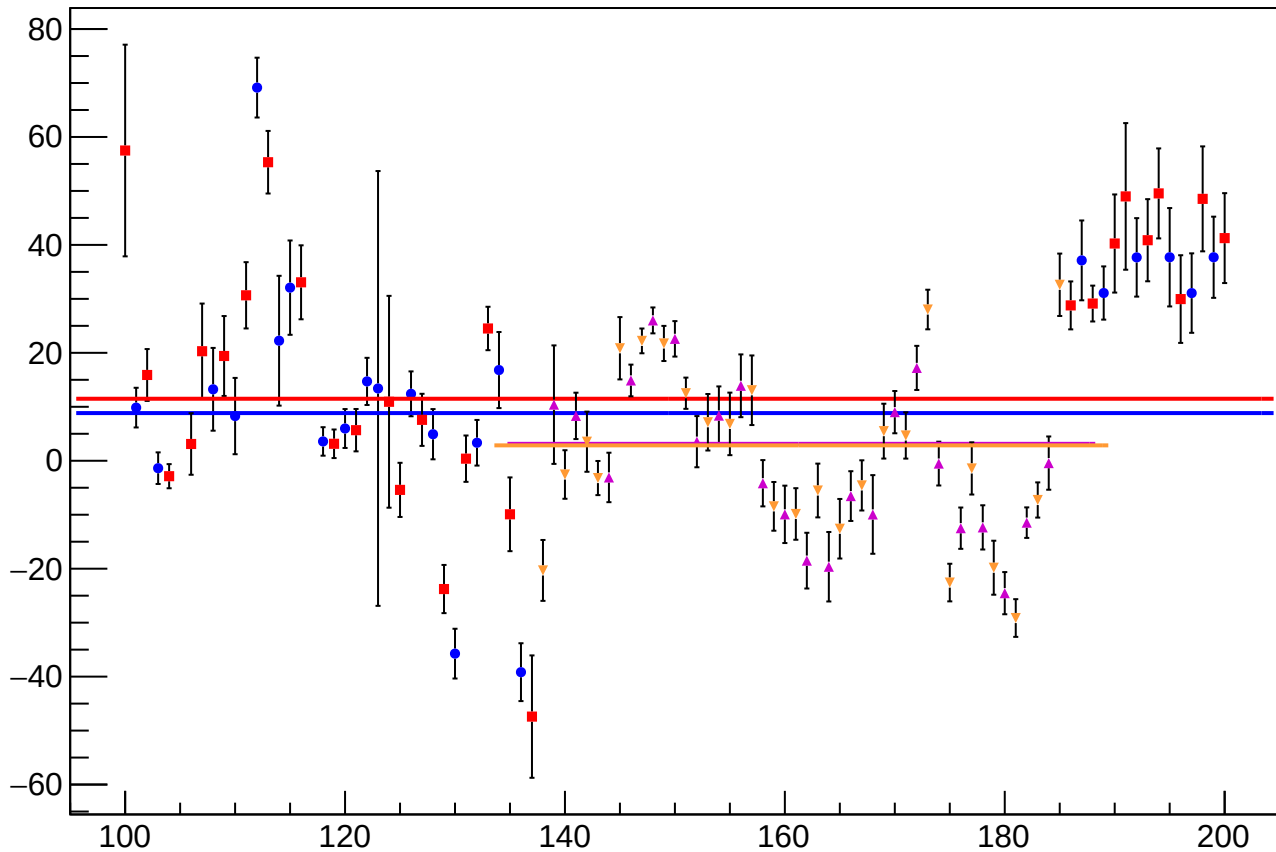
Left In: -208.579 ± 1.082 χ^2/NDF : 4805.1/22

+ sign -202.433 ± 0.970 χ^2/NDF : 7118.0/30

All: -210.927 ± 0.663 χ^2/NDF : 14444.9/62

- sign -218.388 ± 0.909 χ^2/NDF : 7182.8/31

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 8.835 ± 1.030 χ^2/NDF : 408.5/22

Left Out: 2.853 ± 0.820 χ^2/NDF : 419.8/24

Right Out: 11.491 ± 0.952 χ^2/NDF : 398.2/27

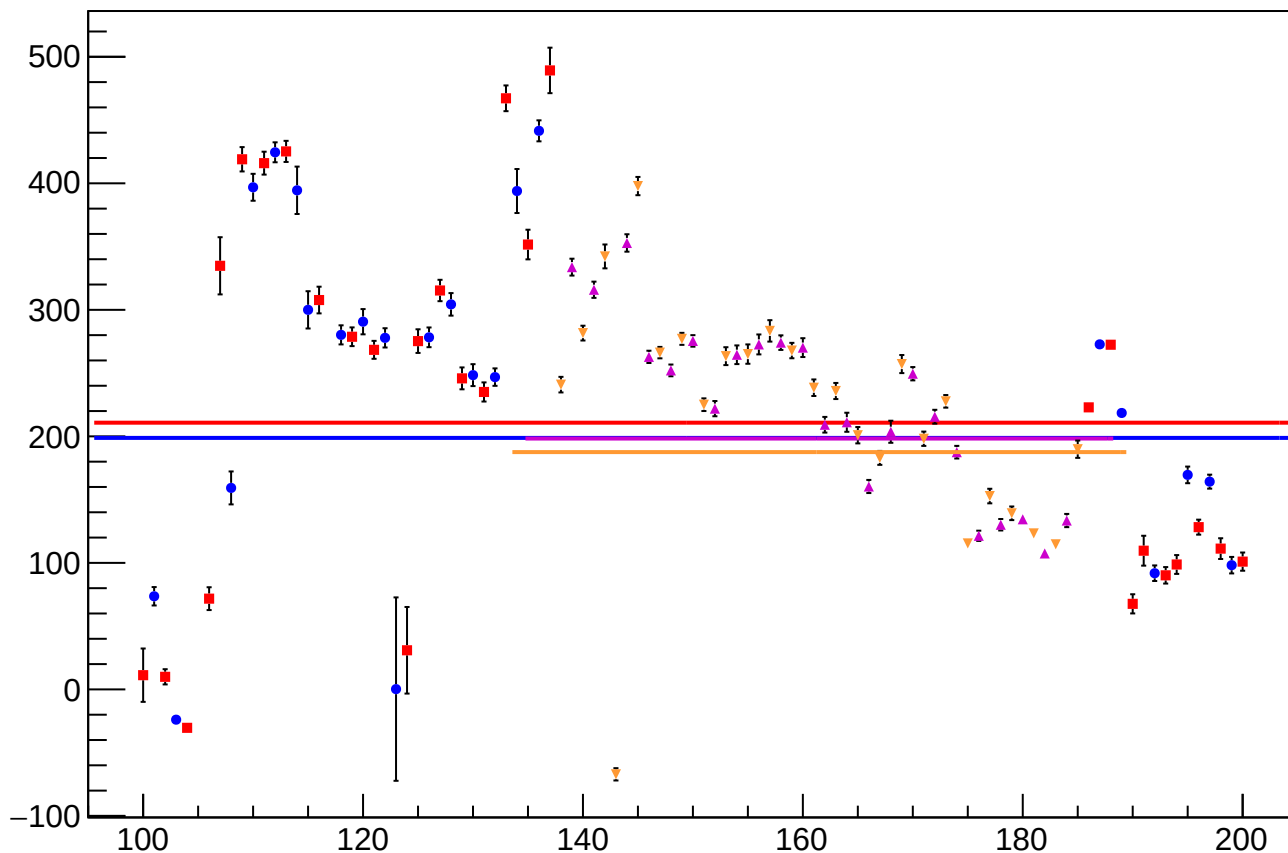
Left In: 3.136 ± 0.857 χ^2/NDF : 319.8/22

+ sign 5.173 ± 0.642 χ^2/NDF : 849.0/47

All: 6.030 ± 0.452 χ^2/NDF : 1613.1/98

- sign 6.875 ± 0.637 χ^2/NDF : 760.6/50

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 198.784 ± 1.413 $\chi^2/\text{NDF}: 7729.2/22$

Left Out: 187.565 ± 1.066 $\chi^2/\text{NDF}: 7082.0/24$

Right Out: 210.808 ± 1.122 $\chi^2/\text{NDF}: 10948.6/27$

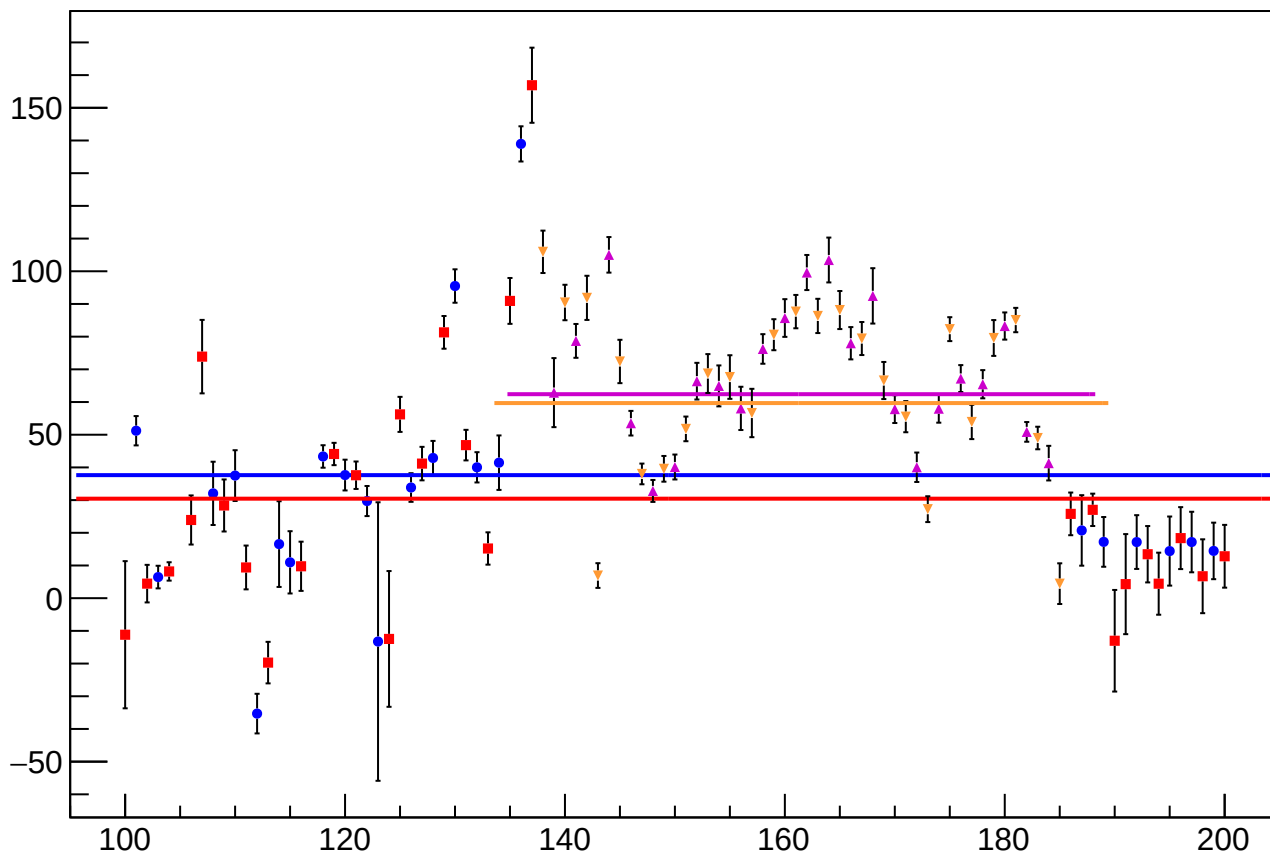
Left In: 198.269 ± 1.082 $\chi^2/\text{NDF}: 4515.8/22$

+ sign 191.634 ± 0.851 $\chi^2/\text{NDF}: 14851.5/47$

All: 198.532 ± 0.574 $\chi^2/\text{NDF}: 30501.3/98$

- sign 204.309 ± 0.779 $\chi^2/\text{NDF}: 15529.1/50$

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 37.639 ± 1.213 $\chi^2/\text{NDF}: 770.7/22$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 30.437 ± 1.144 $\chi^2/\text{NDF}: 586.2/27$

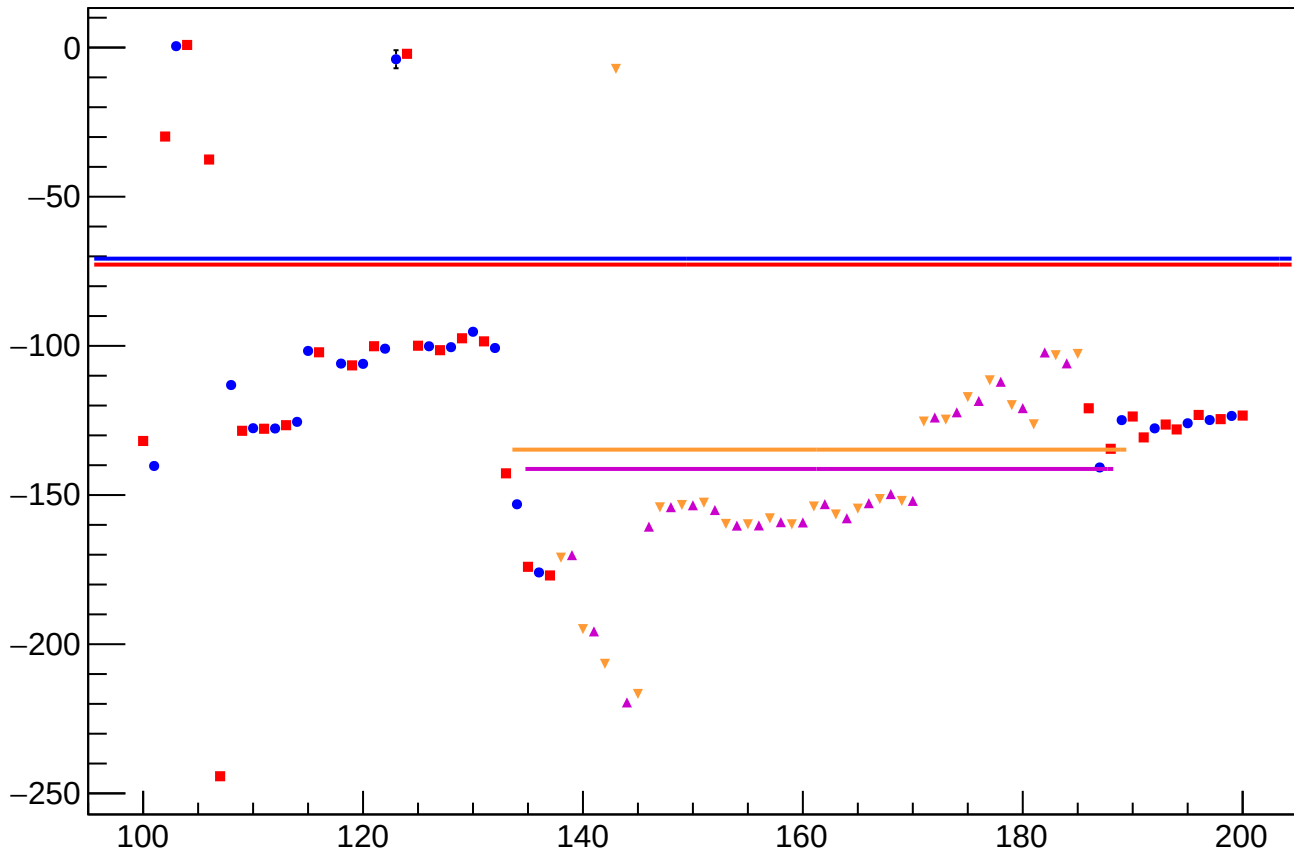
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 51.403 ± 0.743 $\chi^2/\text{NDF}: 1734.5/47$

All: 50.179 ± 0.525 $\chi^2/\text{NDF}: 3185.1/98$

- sign 48.960 ± 0.742 $\chi^2/\text{NDF}: 1445.1/50$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -70.765 ± 0.056 $\chi^2/\text{NDF}: 1333590.1/22$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -72.756 ± 0.052 $\chi^2/\text{NDF}: 1358656.8/27$

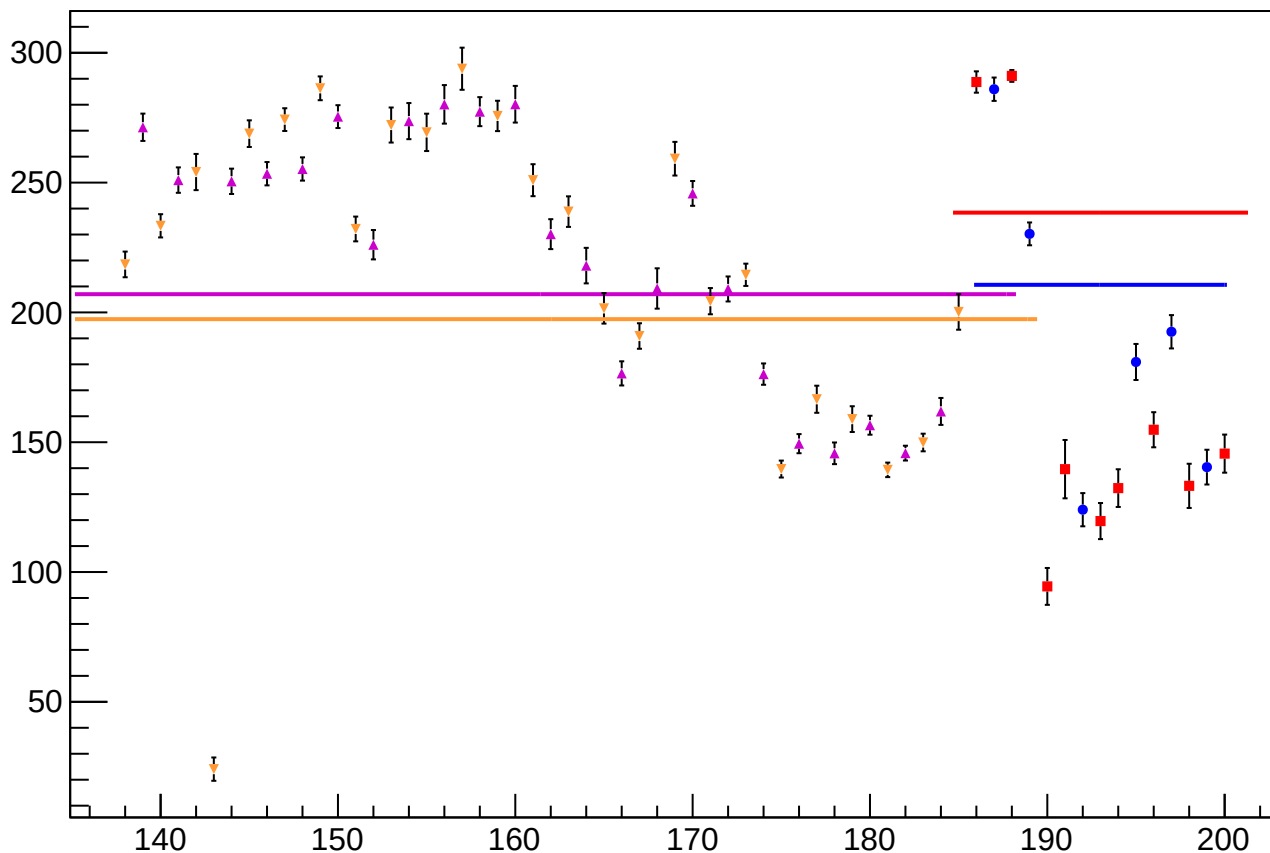
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -109.800 ± 0.035 $\chi^2/\text{NDF}: 2945757.4/47$

All: -110.840 ± 0.024 $\chi^2/\text{NDF}: 5635418.0/98$

- sign -111.848 ± 0.034 $\chi^2/\text{NDF}: 2687896.7/50$

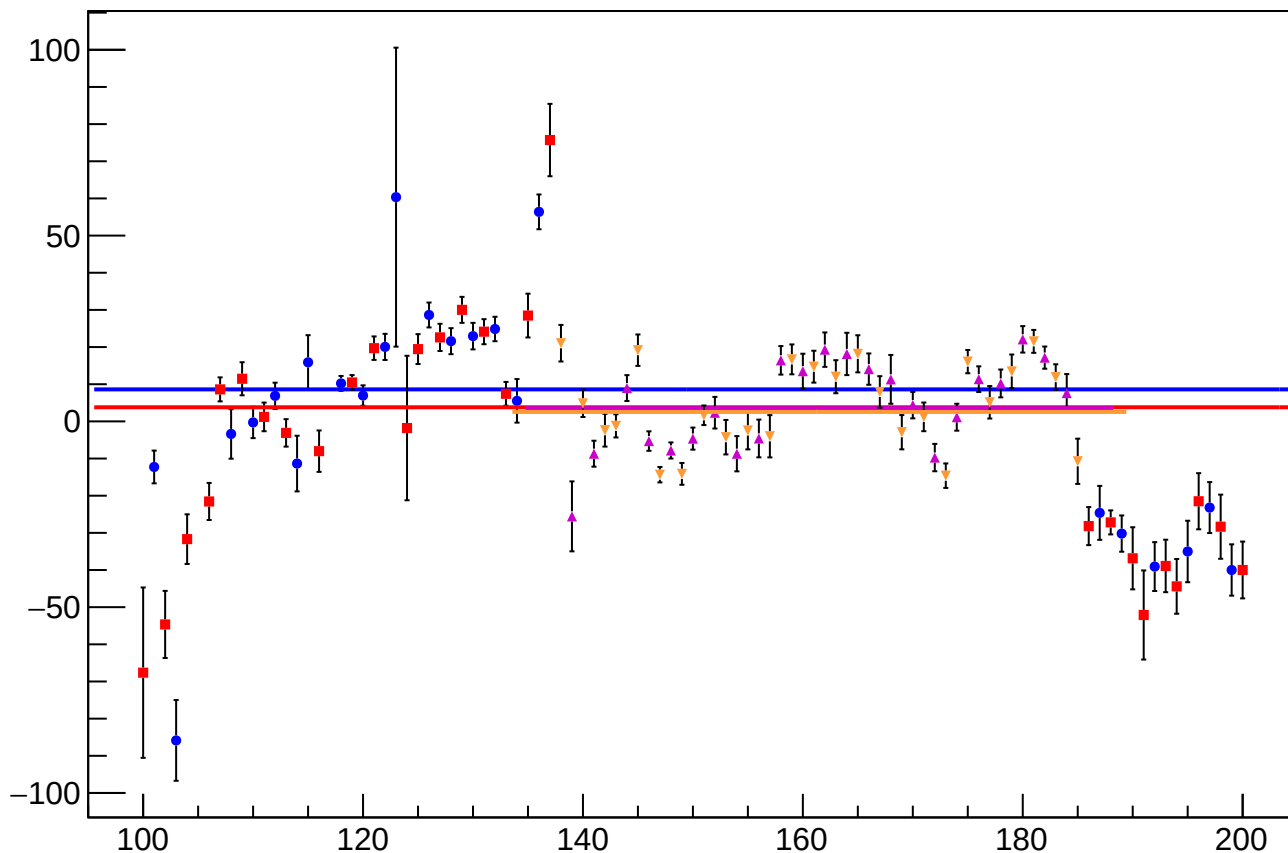
reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 210.630 $\pm$ 2.277 χ^2/NDF : 620.1/5
 Left Out: 197.408 $\pm$ 0.963 χ^2/NDF : 4384.2/24
 Right Out: 238.435 $\pm$ 1.637 χ^2/NDF : 2143.6/8
 Left In: 207.014 $\pm$ 0.990 χ^2/NDF : 2611.5/22

+ sign 199.414 $\pm$ 0.887 χ^2/NDF : 5032.9/30
 All: 207.790 $\pm$ 0.613 χ^2/NDF : 10228.5/62
 - sign 215.435 $\pm$ 0.847 χ^2/NDF : 5024.9/31

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 8.611 ± 0.885 $\chi^2/\text{NDF}: 557.6/22$

Left Out: 2.548 ± 0.741 $\chi^2/\text{NDF}: 275.4/24$

Right Out: 3.797 ± 0.834 $\chi^2/\text{NDF}: 677.0/27$

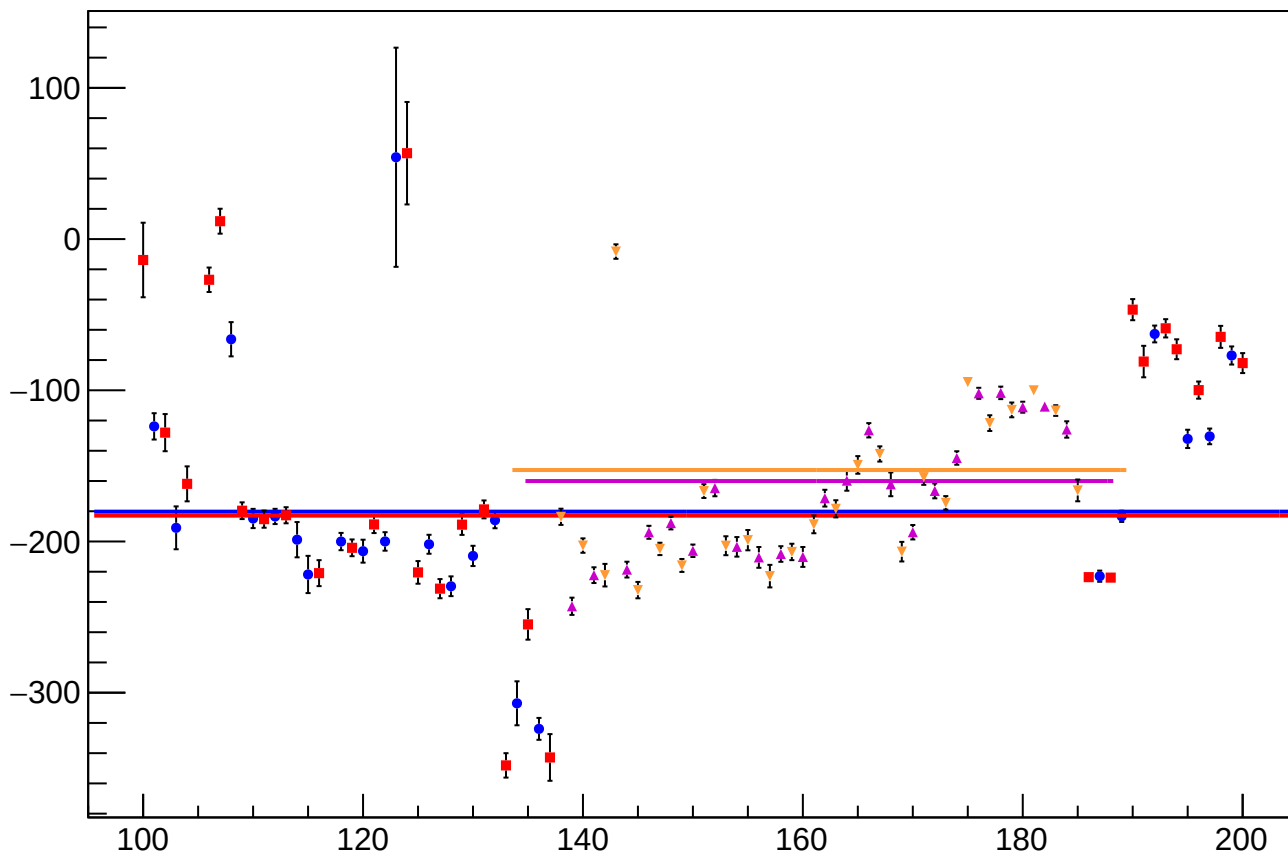
Left In: 3.559 ± 0.774 $\chi^2/\text{NDF}: 192.0/22$

+ sign 5.047 ± 0.568 $\chi^2/\text{NDF}: 860.6/47$

All: 4.357 ± 0.401 $\chi^2/\text{NDF}: 1732.6/98$

- sign 3.669 ± 0.567 $\chi^2/\text{NDF}: 869.1/50$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -180.264 ± 1.314 $\chi^2/\text{NDF}: 1795.1/22$

Left Out: -152.738 ± 0.967 $\chi^2/\text{NDF}: 3077.8/24$

Right Out: -182.910 ± 1.062 $\chi^2/\text{NDF}: 4286.5/27$

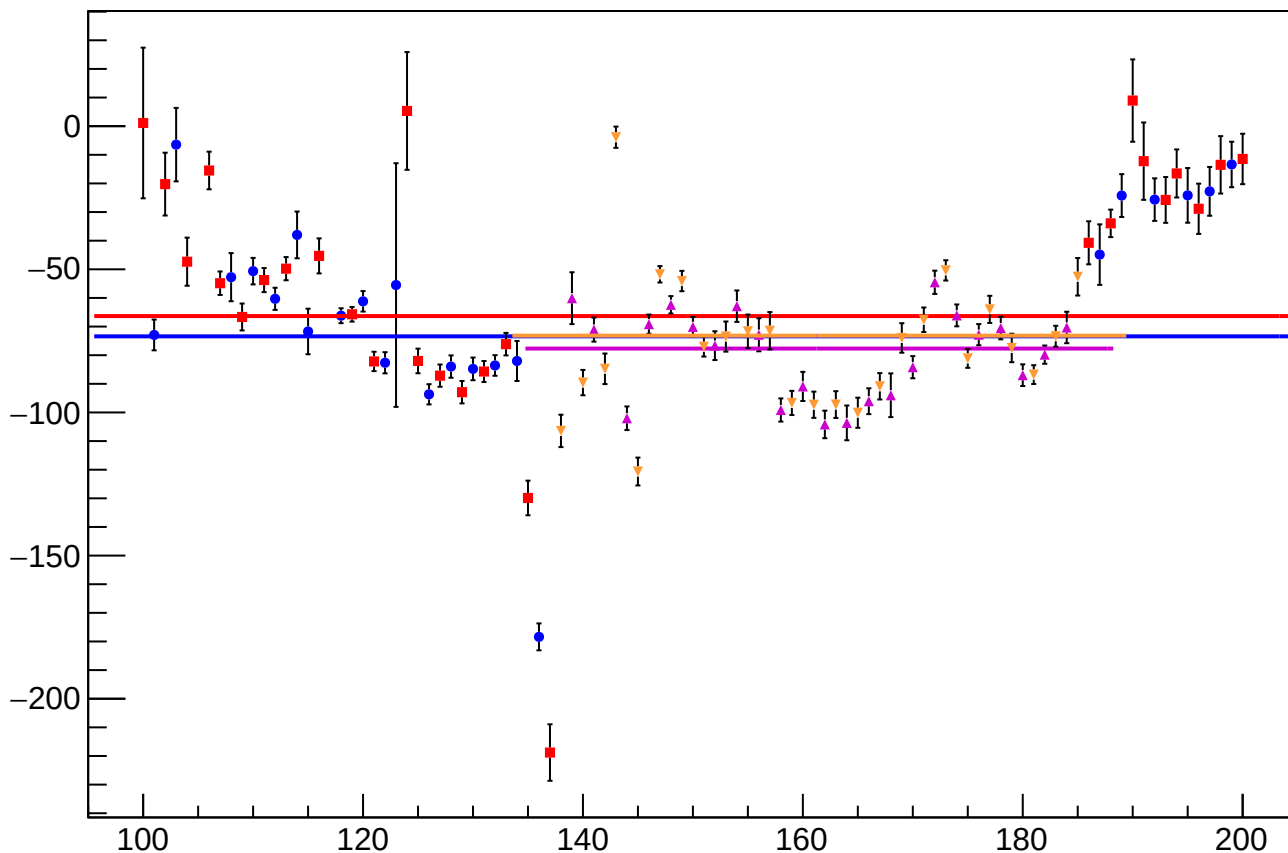
Left In: -160.021 ± 0.989 $\chi^2/\text{NDF}: 2024.4/22$

+ sign -162.407 ± 0.779 $\chi^2/\text{NDF}: 5157.6/47$

All: -166.832 ± 0.530 $\chi^2/\text{NDF}: 11777.5/98$

- sign -170.651 ± 0.724 $\chi^2/\text{NDF}: 6559.8/50$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -73.414 ± 1.033 χ^2/NDF : 881.4/22

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -66.335 ± 0.982 χ^2/NDF : 886.4/27

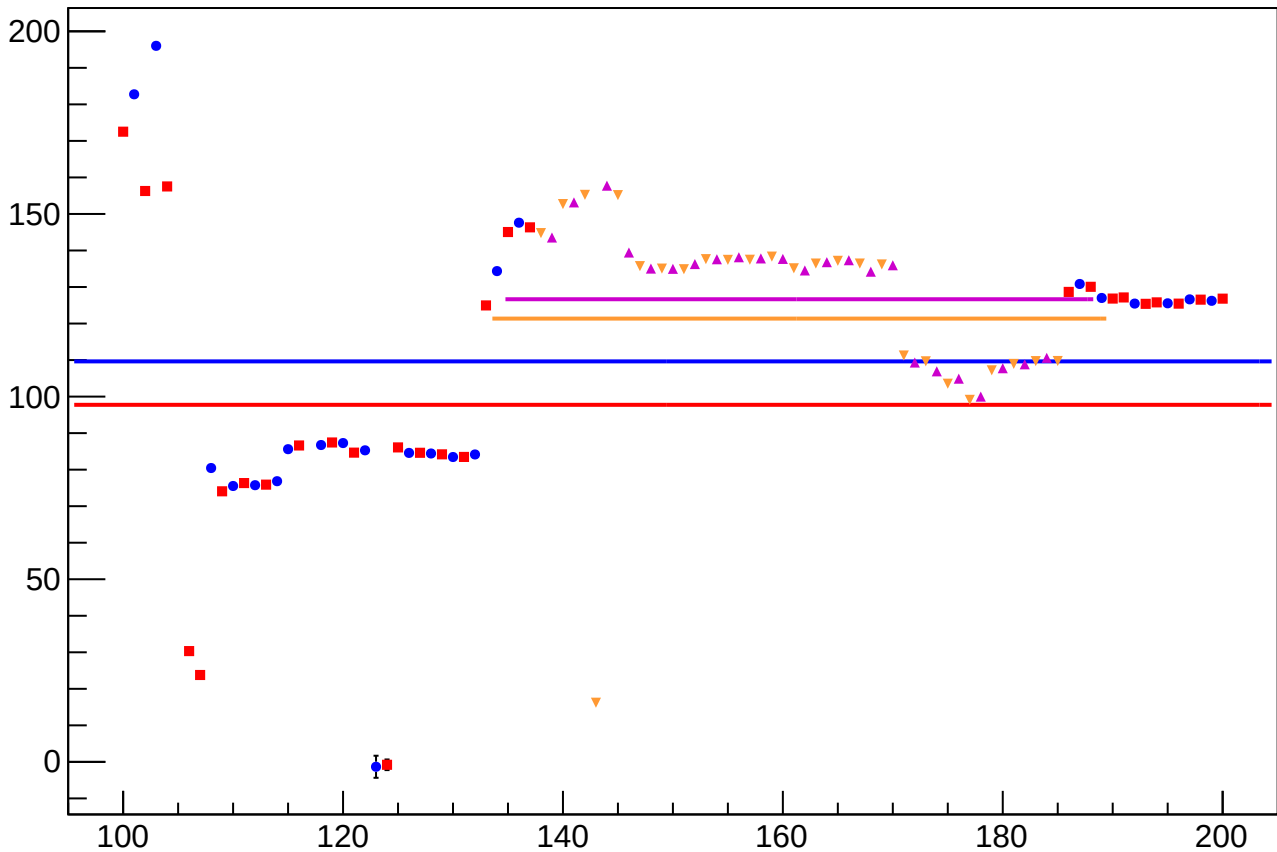
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -73.266 ± 0.657 χ^2/NDF : 1670.0/47

All: -72.935 ± 0.464 χ^2/NDF : 2879.0/98

- sign -72.606 ± 0.656 χ^2/NDF : 1208.5/50

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 109.641 $\pm$ 0.061 χ^2 /NDF: 300249.9/22

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 97.749 $\pm$ 0.053 χ^2 /NDF: 553131.0/27

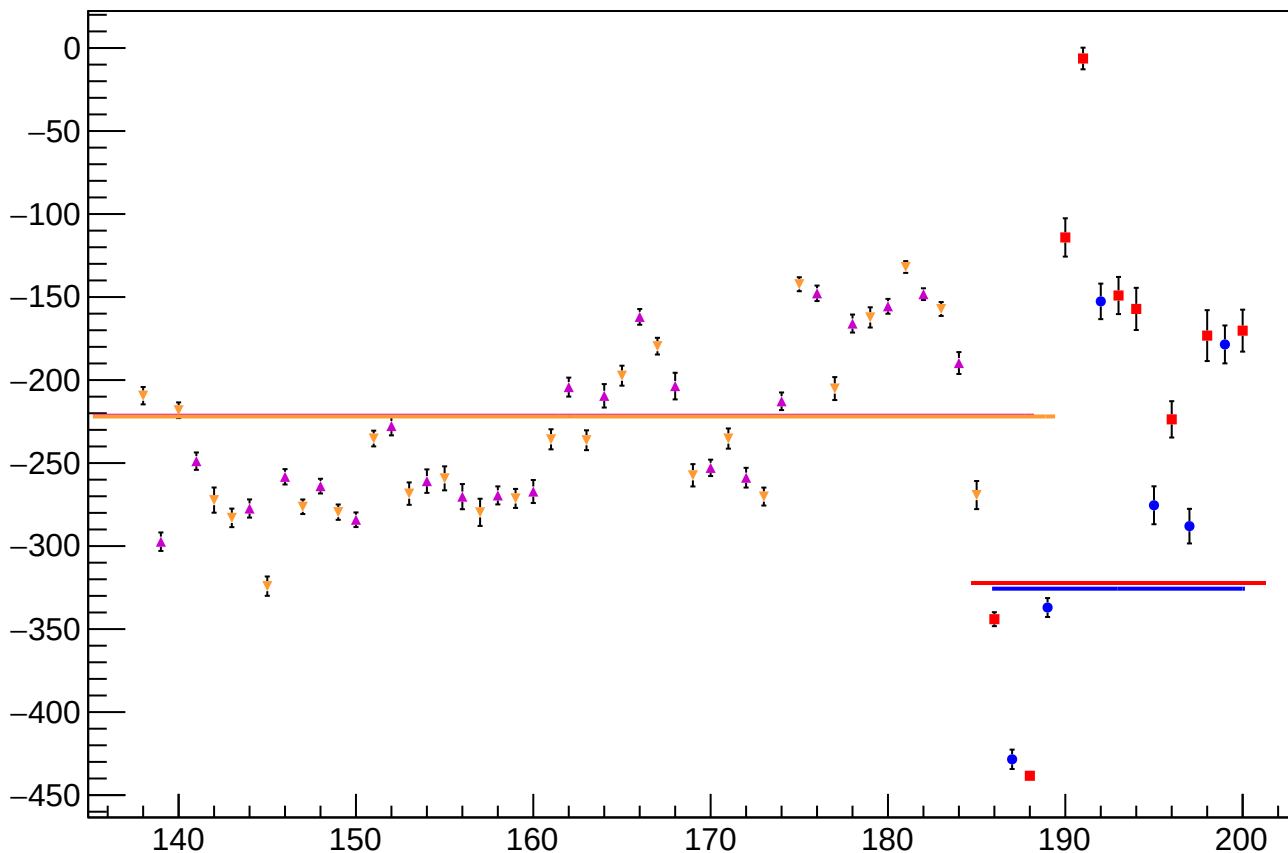
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 117.771 $\pm$ 0.034 χ^2 /NDF: 808083.6/47

All: 116.791 $\pm$ 0.023 χ^2 /NDF: 1710597.6/98

- sign 115.872 $\pm$ 0.033 χ^2 /NDF: 900864.2/50

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -325.665 ± 3.270 χ^2/NDF : 774.5/5

Left Out: -221.934 ± 1.084 χ^2/NDF : 2578.4/24

Right Out: -322.247 ± 2.089 χ^2/NDF : 4892.3/8

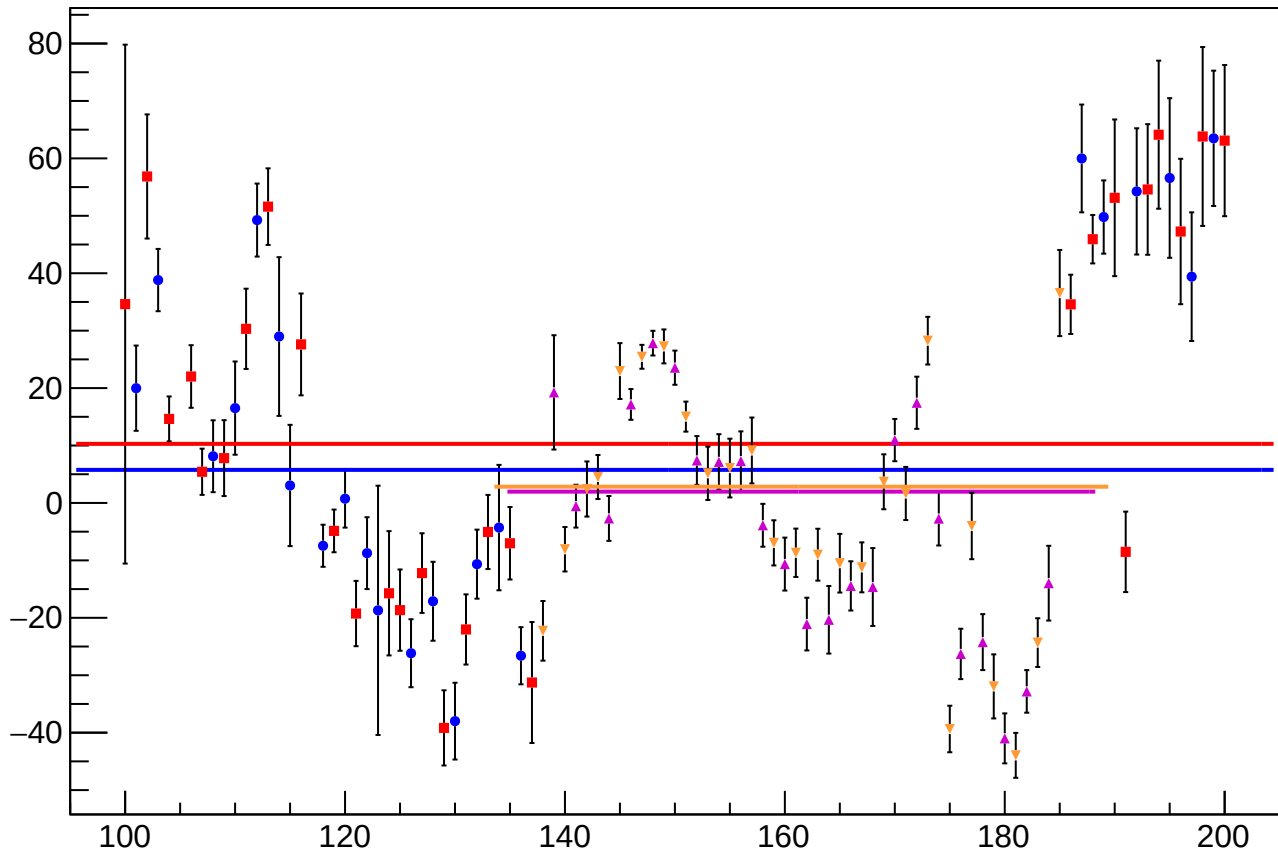
Left In: -221.483 ± 1.102 χ^2/NDF : 2149.8/22

+ sign -232.212 ± 1.029 χ^2/NDF : 4259.4/30

All: -238.120 ± 0.708 χ^2/NDF : 13183.5/62

- sign -243.420 ± 0.975 χ^2/NDF : 8861.6/31

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 5.761 ± 1.434 χ^2/NDF : 393.7/22

Left Out: 2.832 ± 0.807 χ^2/NDF : 686.9/24

Right Out: 10.289 ± 1.232 χ^2/NDF : 447.0/27

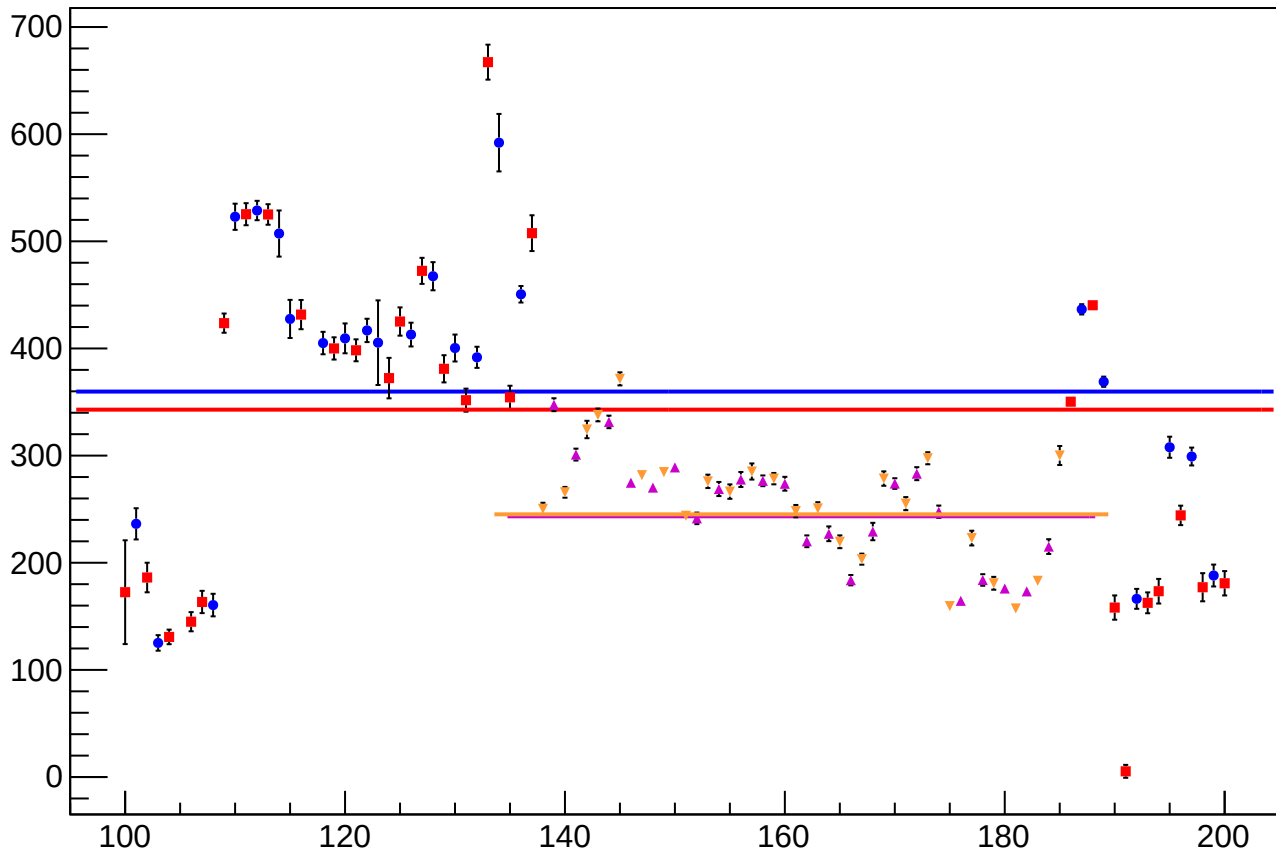
Left In: 1.969 ± 0.835 χ^2/NDF : 589.1/22

+ sign 3.537 ± 0.703 χ^2/NDF : 1083.8/47

All: 4.071 ± 0.493 χ^2/NDF : 2152.2/98

- sign 4.587 ± 0.691 χ^2/NDF : 1067.3/50

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 359.763 ± 1.951 $\chi^2/\text{NDF}: 3504.5/22$

Left Out: 245.179 ± 1.082 $\chi^2/\text{NDF}: 2597.4/24$

Right Out: 342.899 ± 1.432 $\chi^2/\text{NDF}: 9447.8/27$

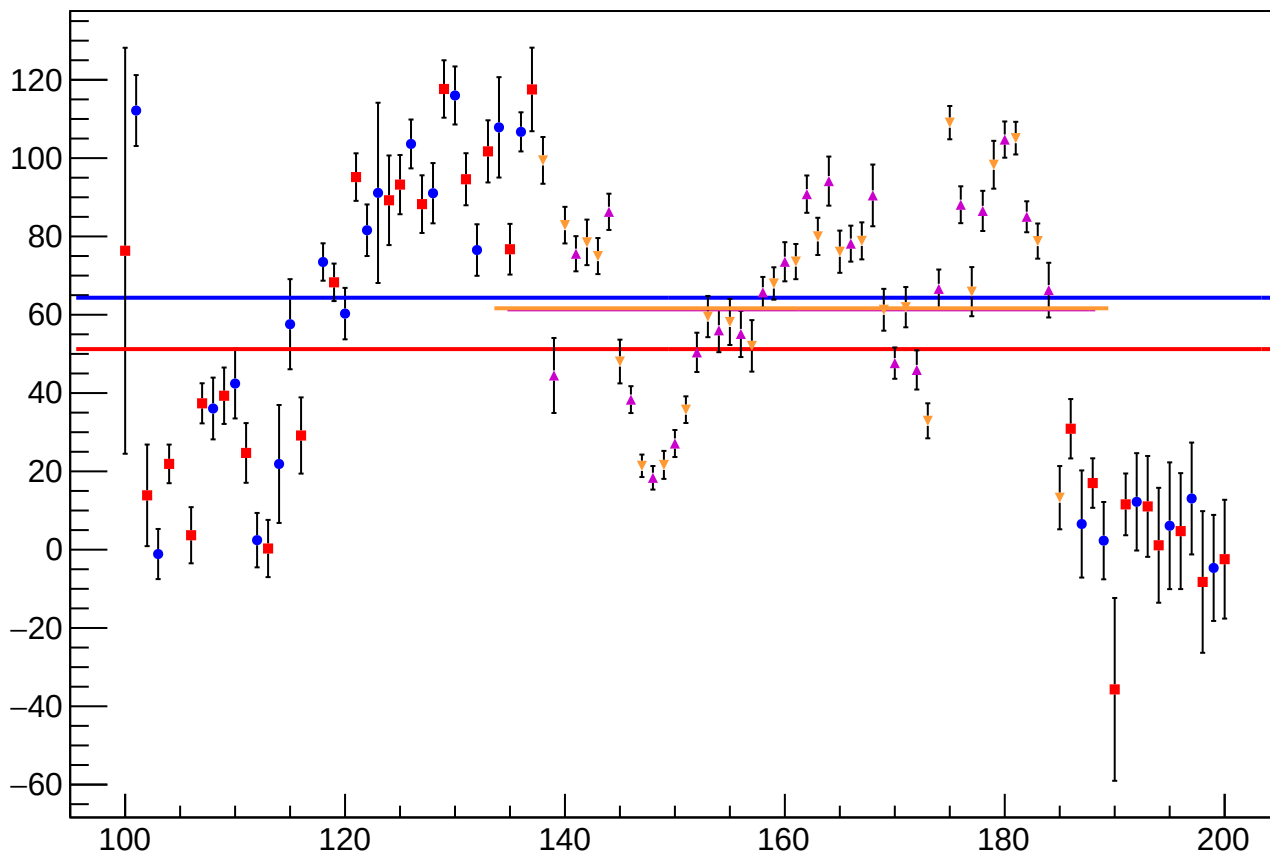
Left In: 243.366 ± 1.094 $\chi^2/\text{NDF}: 2236.7/22$

+ sign 272.139 ± 0.946 $\chi^2/\text{NDF}: 8740.5/47$

All: 276.425 ± 0.640 $\chi^2/\text{NDF}: 23514.9/98$

- sign 280.041 ± 0.869 $\chi^2/\text{NDF}: 14736.6/50$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 64.345 $\pm$ 1.676 χ^2/NDF : 565.0/22

Left Out: 61.647 $\pm$ 0.936 χ^2/NDF : 871.5/24

Right Out: 51.226 $\pm$ 1.478 χ^2/NDF : 645.3/27

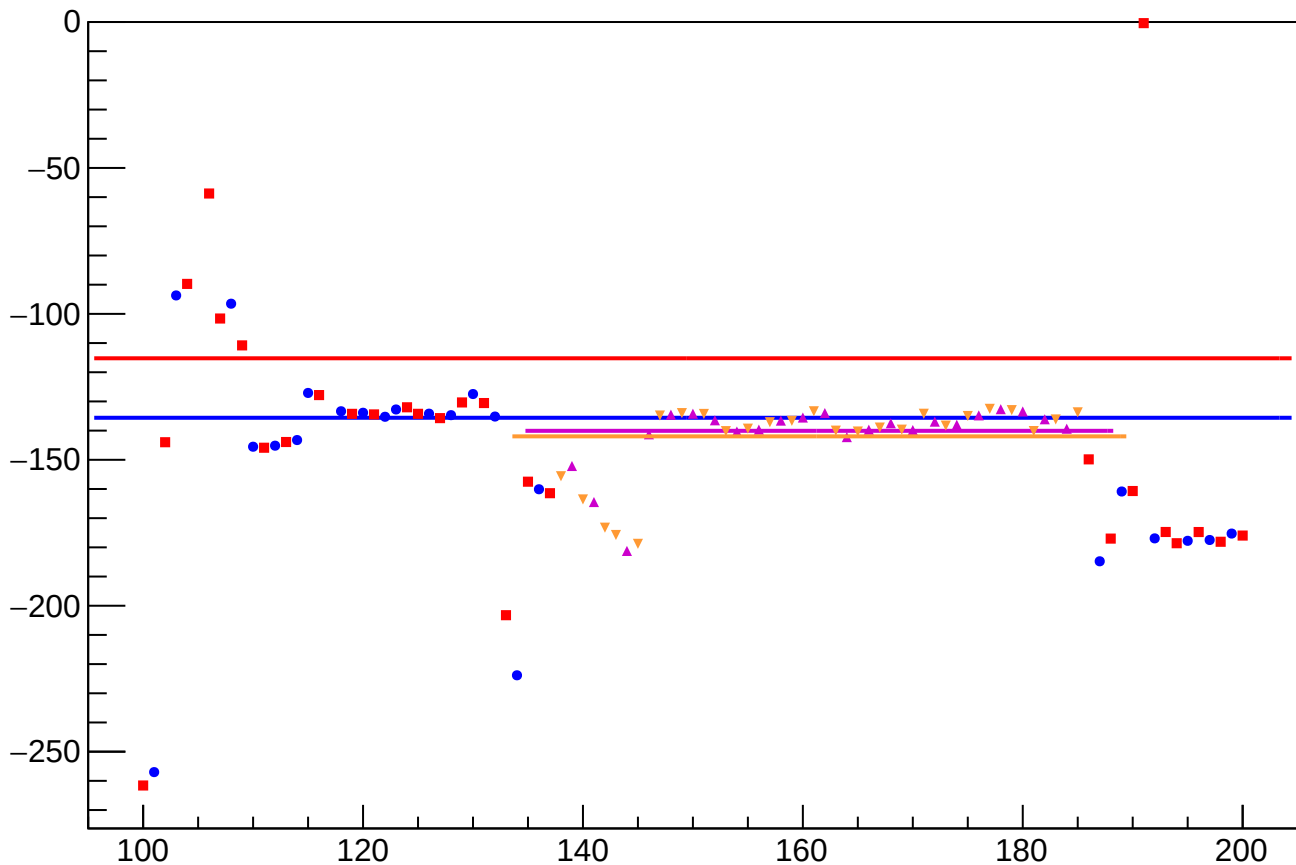
Left In: 61.375 $\pm$ 0.961 χ^2/NDF : 699.7/22

+ sign 62.289 $\pm$ 0.817 χ^2/NDF : 1438.5/47

All: 60.296 $\pm$ 0.574 χ^2/NDF : 2828.4/98

- sign 58.359 $\pm$ 0.806 χ^2/NDF : 1378.1/50

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -135.598 ± 0.081 χ^2/NDF : 218566.9/22

Left Out: -141.969 ± 0.045 χ^2/NDF : 80252.6/24

Right Out: -115.218 ± 0.070 χ^2/NDF : 586281.3/27

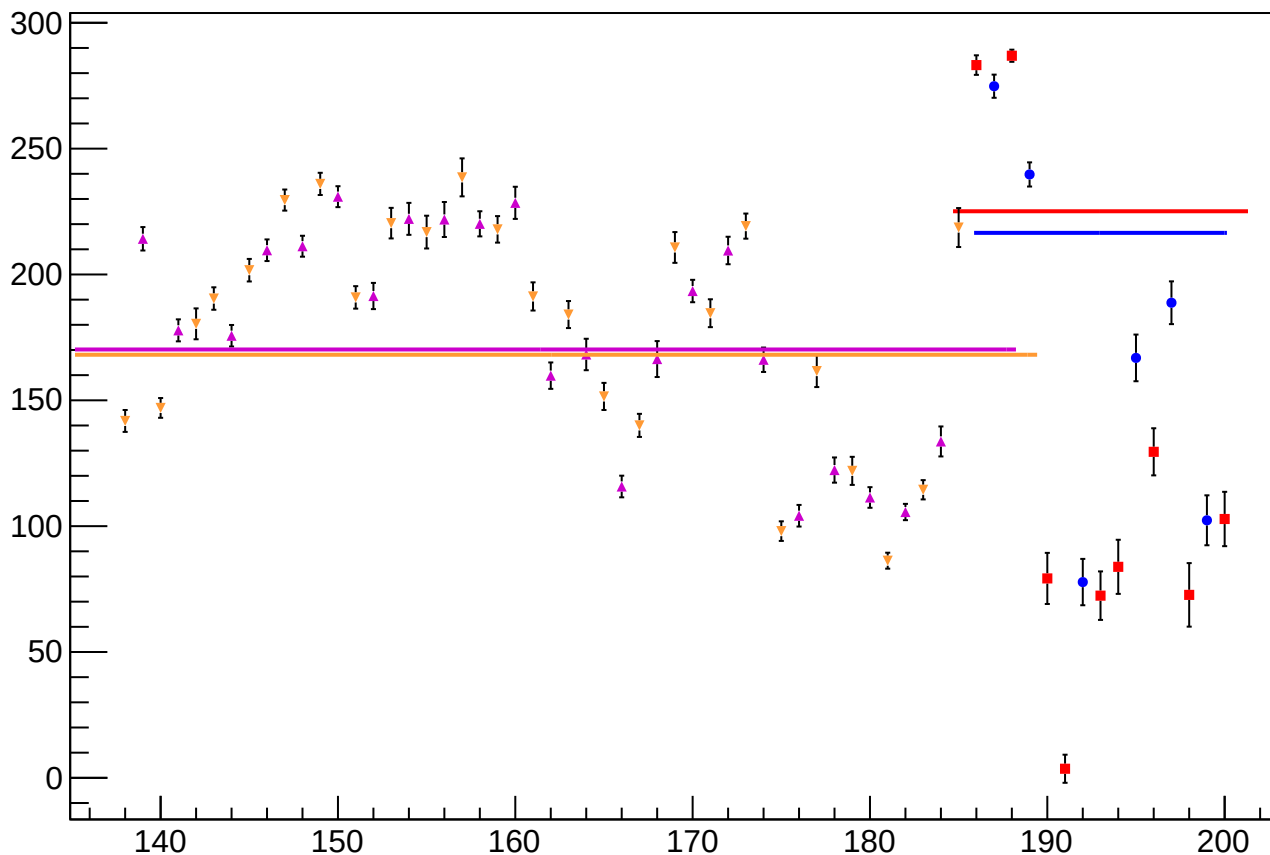
Left In: -140.068 ± 0.045 χ^2/NDF : 48030.7/22

+ sign -140.492 ± 0.039 χ^2/NDF : 303529.6/47

All: -136.484 ± 0.027 χ^2/NDF : 1047803.1/98

- sign -132.753 ± 0.038 χ^2/NDF : 724069.0/50

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 216.536 $\pm$ 2.691 χ^2/NDF : 582.6/5

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

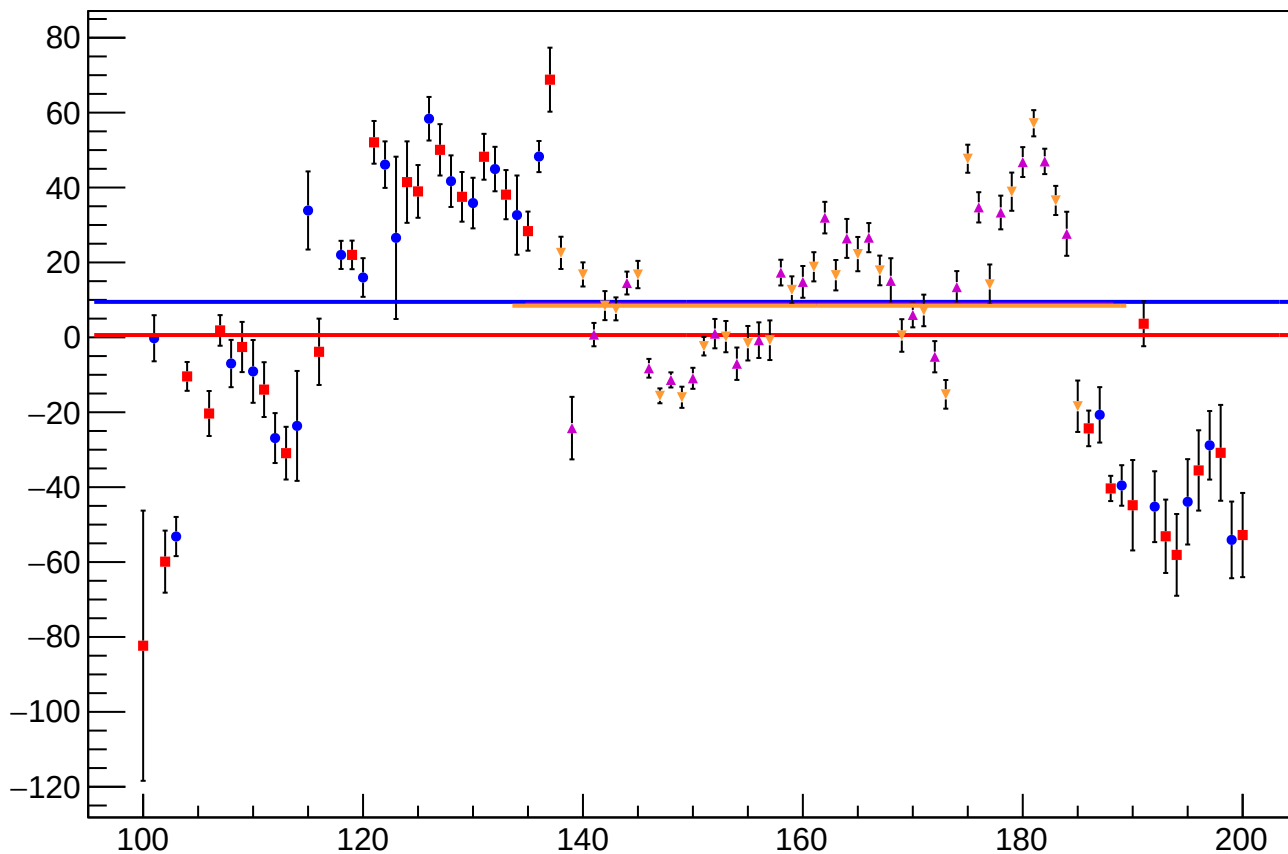
Left In: 170.198 $\pm$ 0.995 χ^2/NDF : 2024.5/22

+ sign 173.676 $\pm$ 0.913 χ^2/NDF : 3338.0/30

All: 178.901 $\pm$ 0.628 χ^2/NDF : 9630.1/62

- sign 183.599 $\pm$ 0.865 χ^2/NDF : 6229.9/31

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 9.471 ± 1.367 χ^2/NDF : 691.5/22

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: 0.617 ± 1.174 χ^2/NDF : 816.8/27

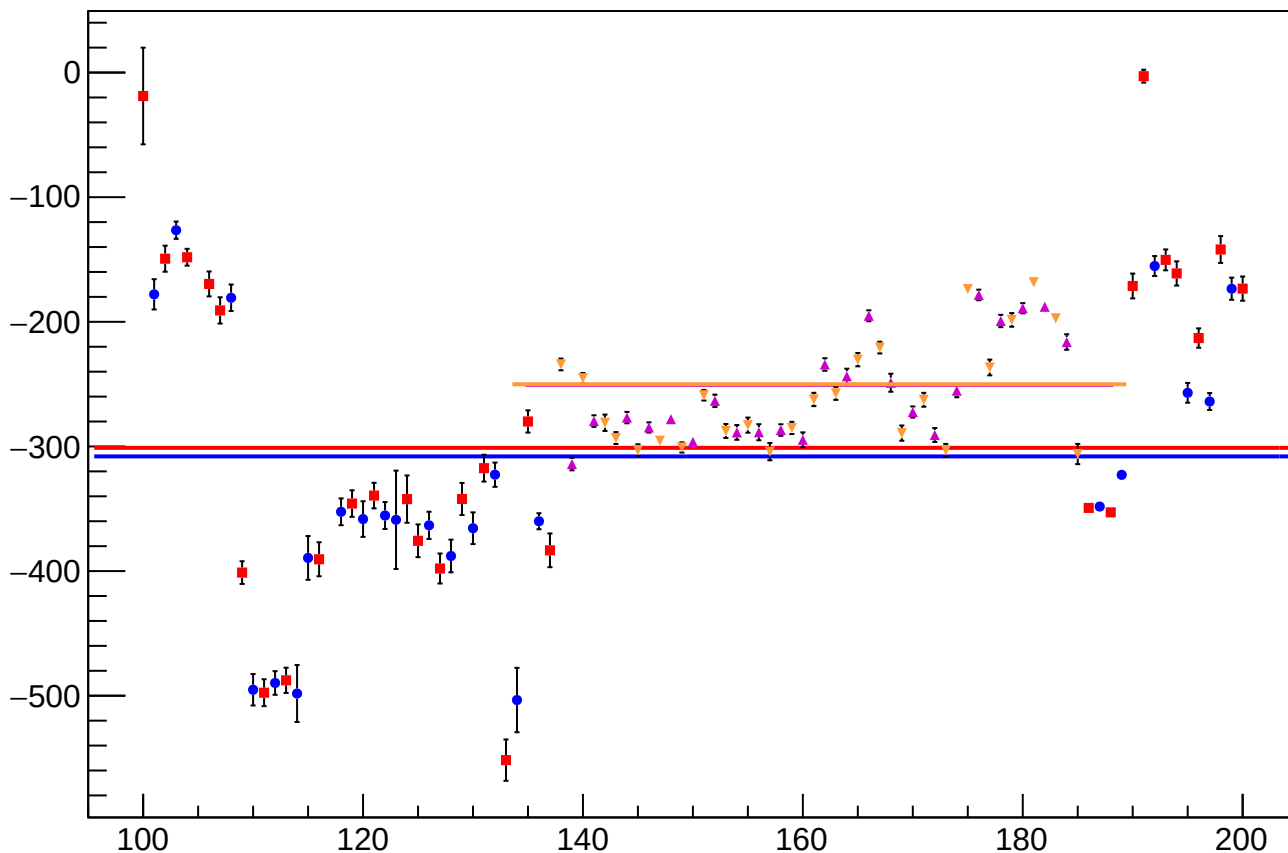
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 8.665 ± 0.643 χ^2/NDF : 1444.0/47

All: 7.508 ± 0.452 χ^2/NDF : 2928.1/98

- sign 6.370 ± 0.637 χ^2/NDF : 1477.6/50

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -307.995 ± 1.721 χ^2/NDF : 2683.6/22

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -301.115 ± 1.254 χ^2/NDF : 7813.3/27

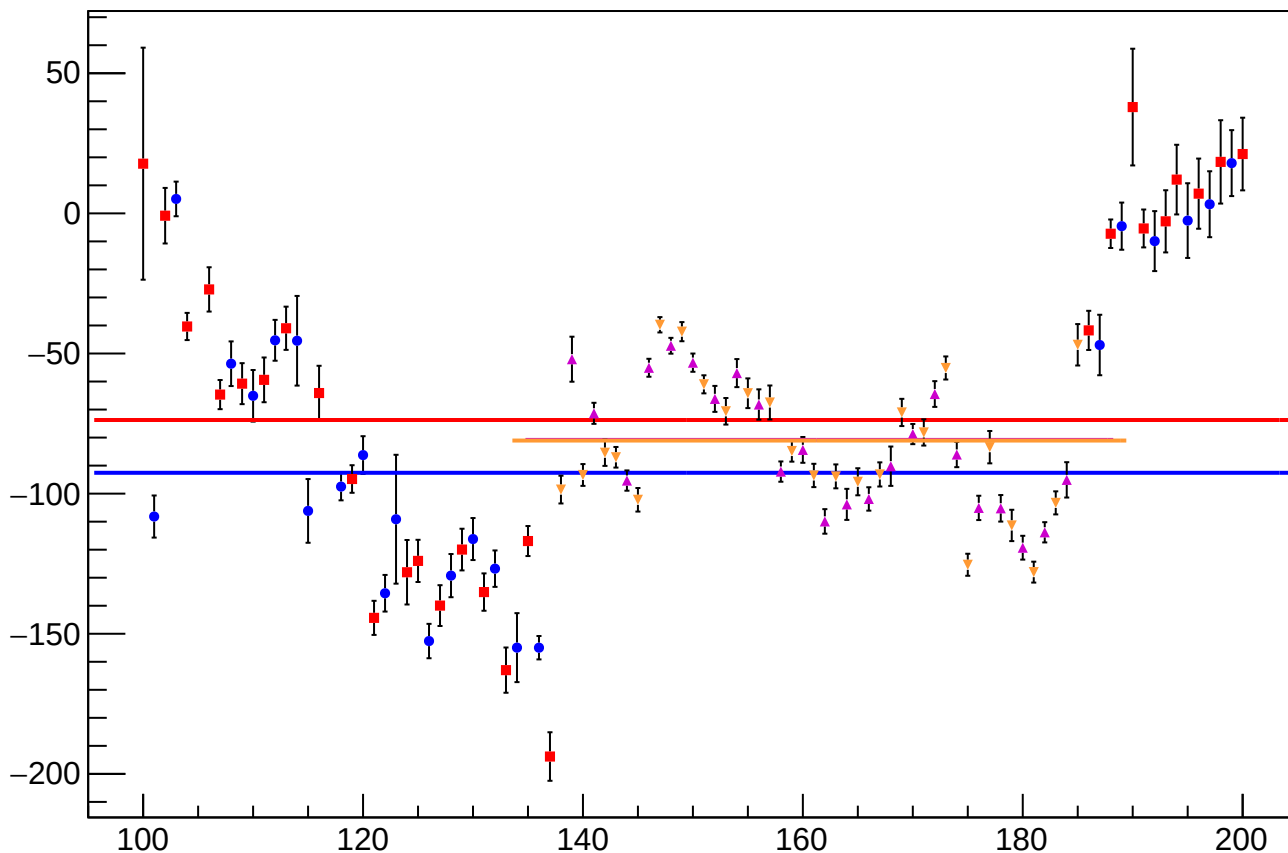
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.124 ± 0.847 χ^2/NDF : 5788.0/47

All: -267.325 ± 0.573 χ^2/NDF : 16563.0/98

- sign -270.023 ± 0.777 χ^2/NDF : 10748.7/50

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -92.563 ± 1.599 $\chi^2/\text{NDF}: 1177.6/22$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -73.727 ± 1.415 $\chi^2/\text{NDF}: 1520.1/27$

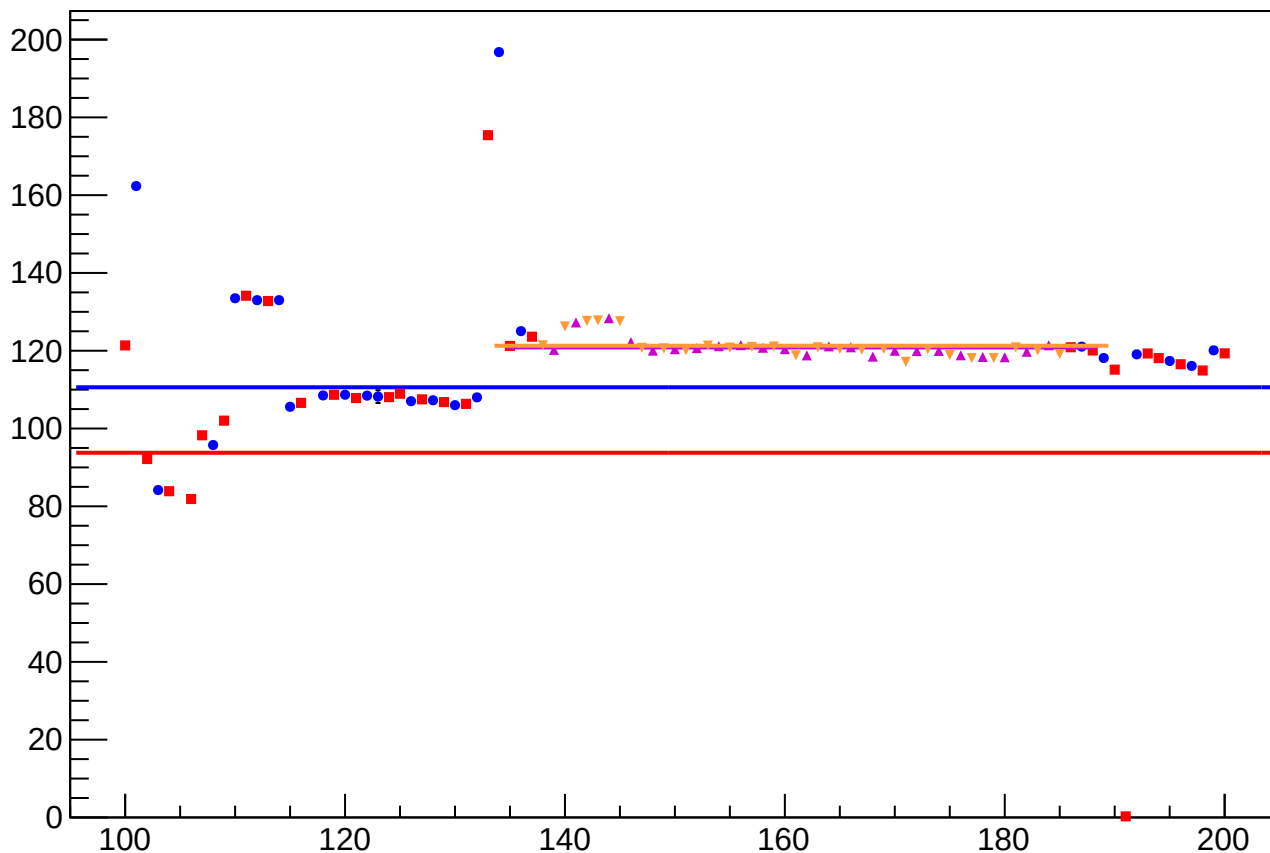
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -83.560 ± 0.746 $\chi^2/\text{NDF}: 2131.1/47$

All: -81.209 ± 0.526 $\chi^2/\text{NDF}: 4382.4/98$

- sign -78.878 ± 0.742 $\chi^2/\text{NDF}: 2231.5/50$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.604 $\pm$ 0.075 χ^2 /NDF: 76361.8/22

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

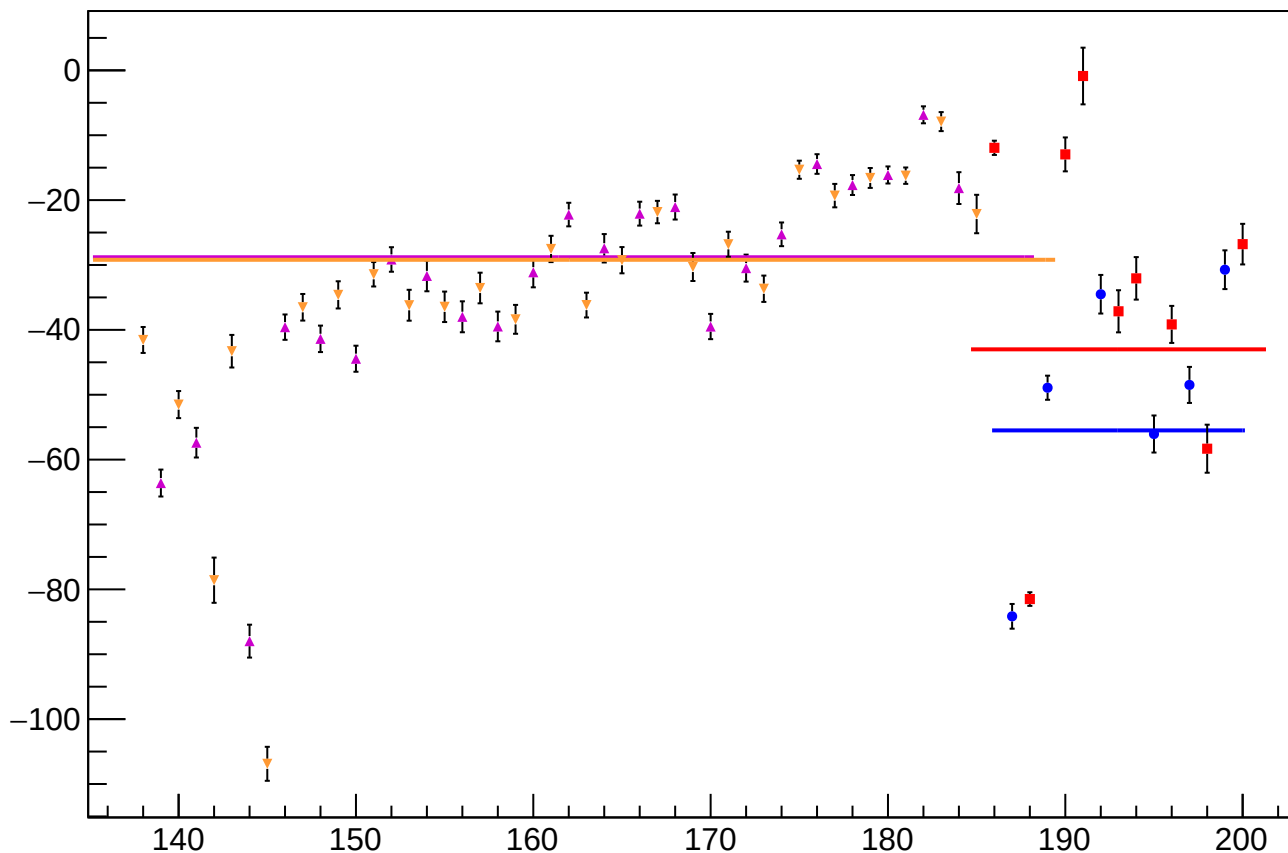
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.933 $\pm$ 0.035 χ^2 /NDF: 96906.5/47

All: 115.938 $\pm$ 0.025 χ^2 /NDF: 593979.8/98

- sign 113.112 $\pm$ 0.034 χ^2 /NDF: 483173.5/50

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -55.498 ± 0.980 χ^2/NDF : 363.6/5

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -43.003 ± 0.643 χ^2/NDF : 2431.2/8

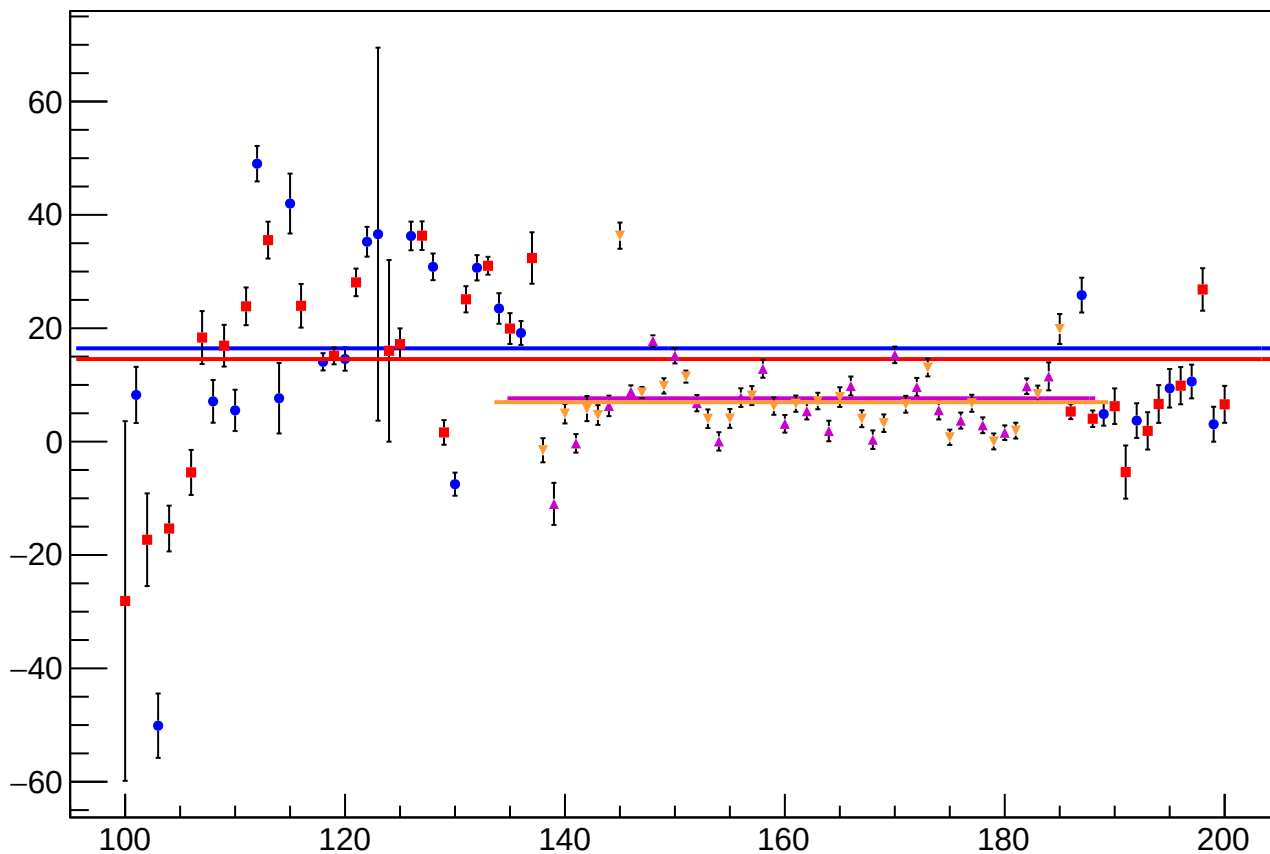
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -32.773 ± 0.361 χ^2/NDF : 2867.6/30

All: -32.738 ± 0.246 χ^2/NDF : 7416.7/62

- sign -32.707 ± 0.337 χ^2/NDF : 4549.0/31

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 16.455 ± 0.569 χ^2/NDF : 715.7/22

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 14.559 ± 0.498 χ^2/NDF : 609.5/27

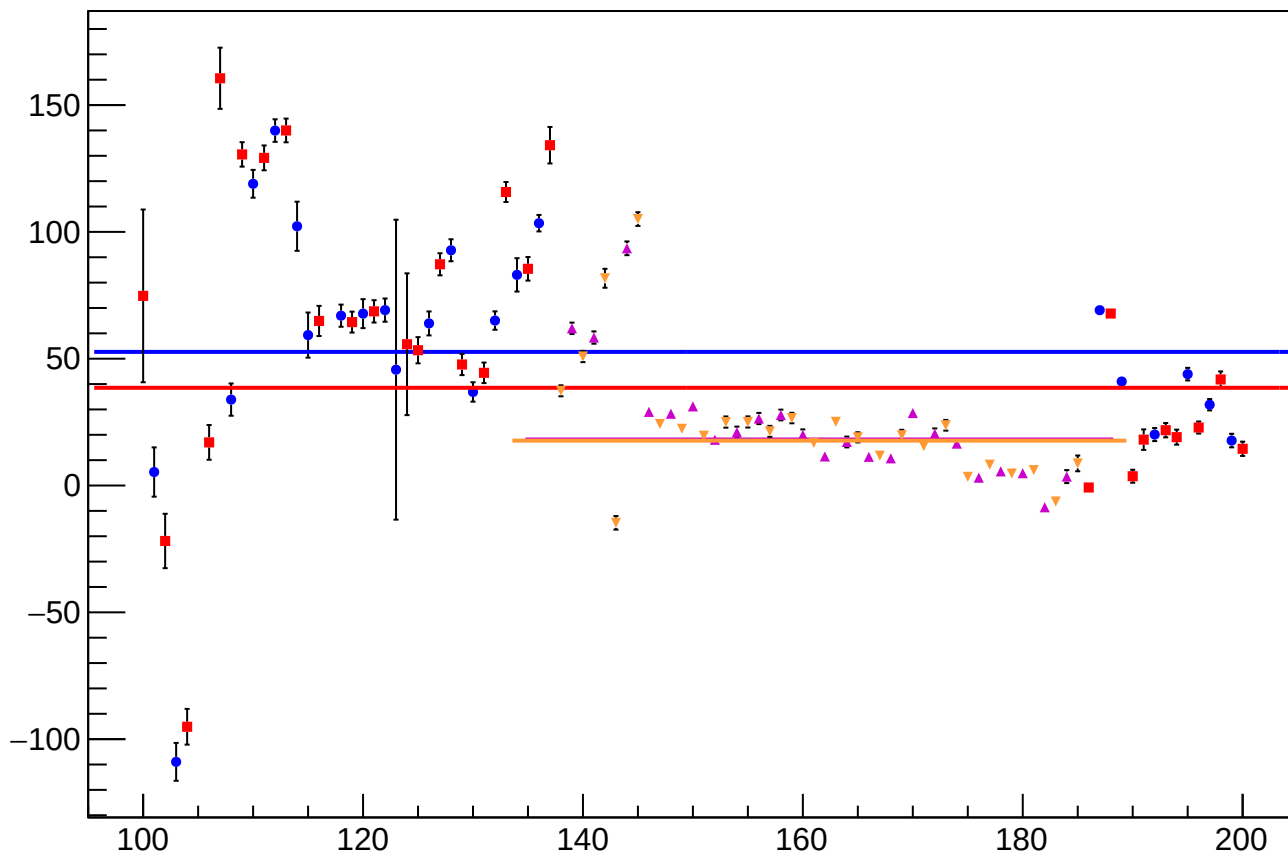
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 9.058 ± 0.267 χ^2/NDF : 1254.1/47

All: 9.332 ± 0.188 χ^2/NDF : 2341.5/98

- sign 9.600 ± 0.265 χ^2/NDF : 1085.3/50

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.688+/-0.688 χ^2 /NDF: 2068.1/22

Left Out: 17.705+/-0.387 χ^2 /NDF:2432.2/24

Right Out: 38.537+/-0.487 χ^2 /NDF: 6203.2/27

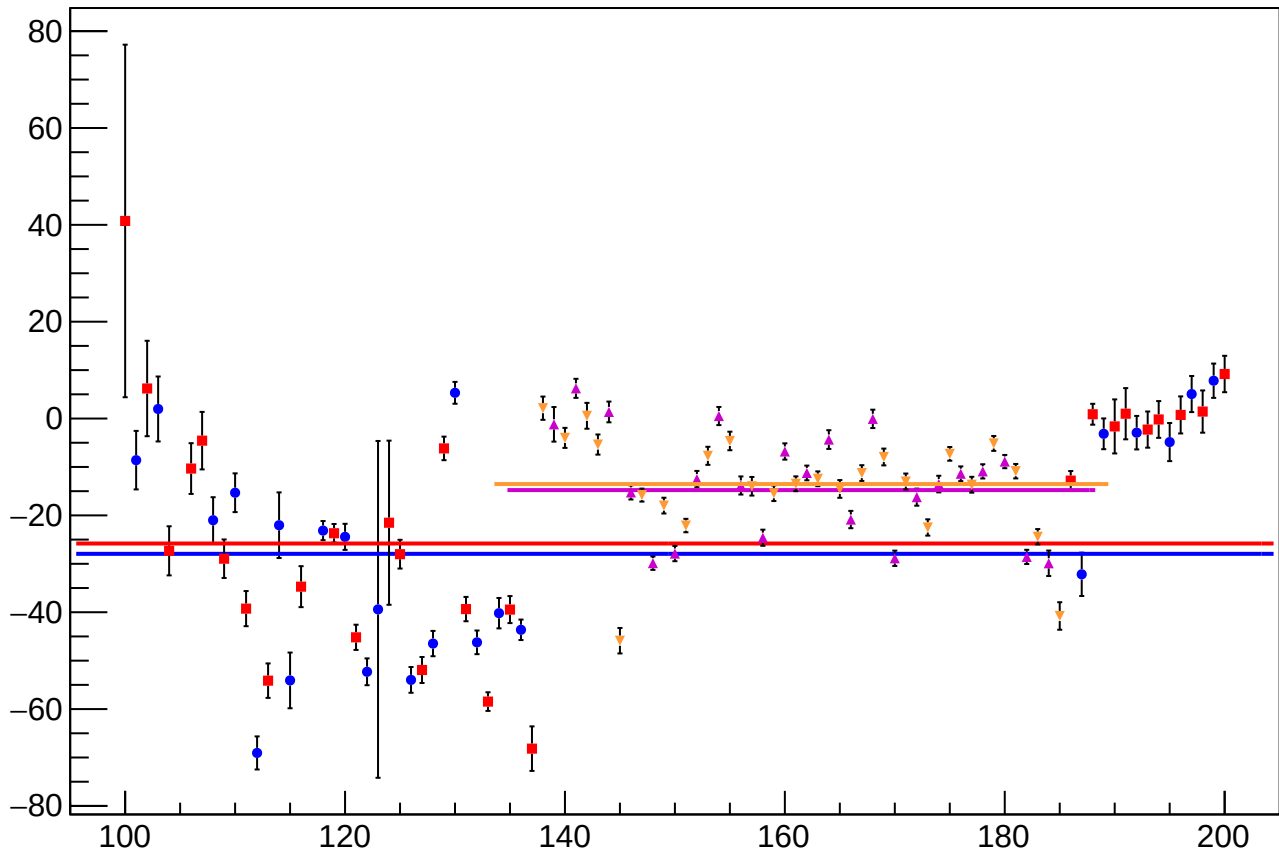
Left In: 18.150+/-0.393 χ^2 /NDF:2339.4/22

+ sign 26.127+/-0.337 χ^2 /NDF: 6465.3/47

All: 26.158+/-0.227 χ^2 /NDF: 16070.7/98

- sign 26.184+/-0.306 χ^2 /NDF: 9605.3/50

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -27.941 ± 0.667 $\chi^2/\text{NDF}: 1111.8/22$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -25.808 ± 0.607 $\chi^2/\text{NDF}: 1259.9/27$

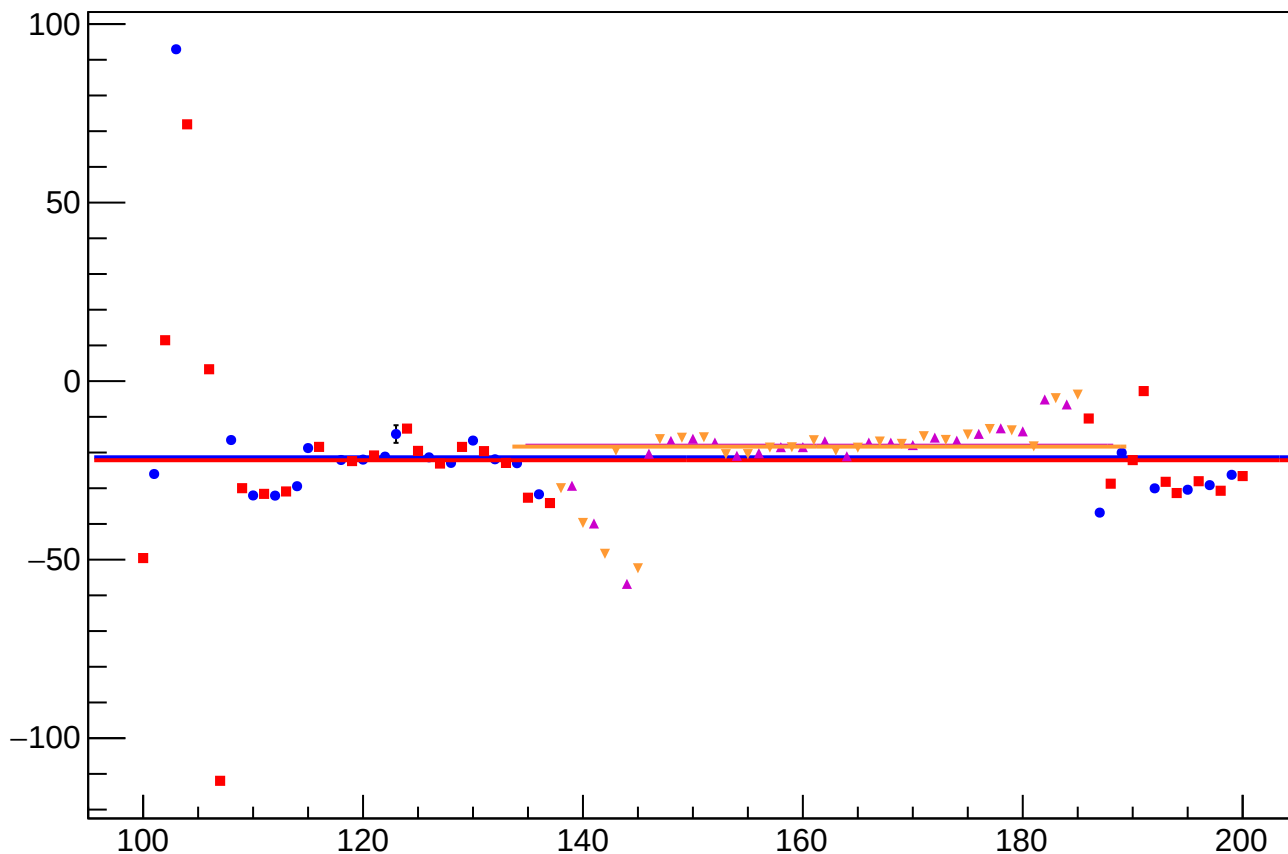
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -16.556 ± 0.306 $\chi^2/\text{NDF}: 2052.8/47$

All: -17.066 ± 0.216 $\chi^2/\text{NDF}: 4402.5/98$

- sign -17.576 ± 0.306 $\chi^2/\text{NDF}: 2344.1/50$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.333 ± 0.034 χ^2/NDF : 508738.1/22

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -22.155 ± 0.030 χ^2/NDF : 485643.1/27

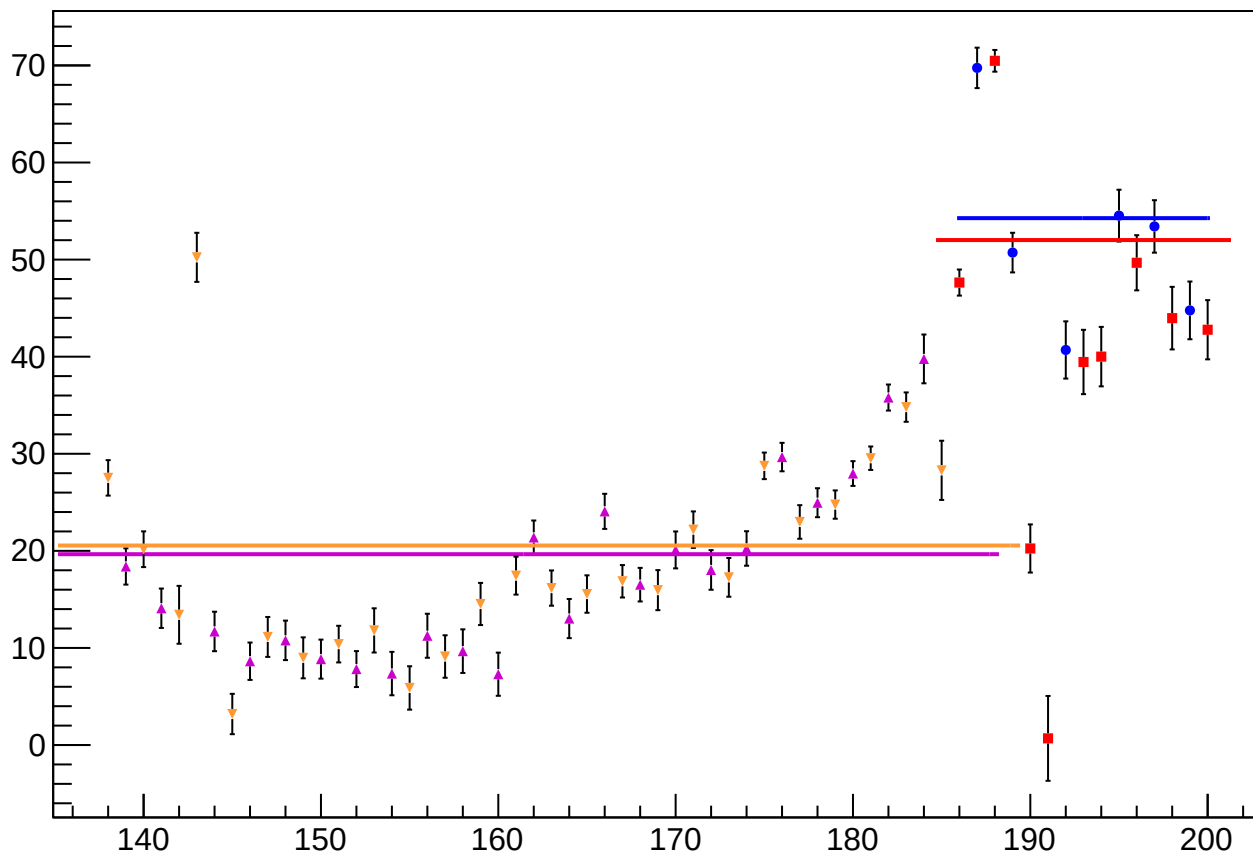
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.875 ± 0.014 χ^2/NDF : 799359.4/47

All: -18.924 ± 0.010 χ^2/NDF : 1540944.6/98

- sign -18.971 ± 0.014 χ^2/NDF : 741562.7/50

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 54.270 $\pm$ 1.012 χ^2 /NDF: 89.8/5

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

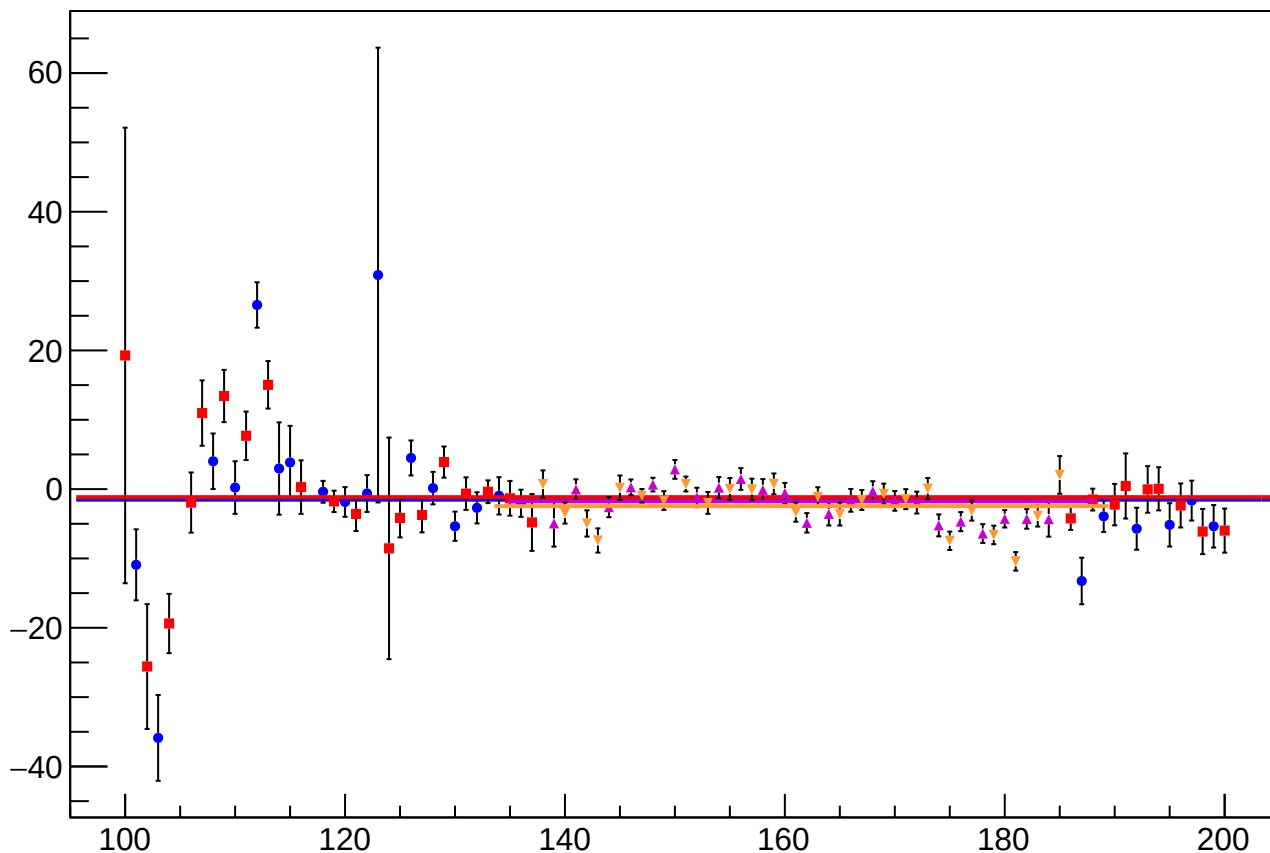
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 24.583 $\pm$ 0.350 χ^2 /NDF: 1693.2/30

All: 25.946 $\pm$ 0.241 χ^2 /NDF: 4607.7/62

- sign 27.181 $\pm$ 0.333 χ^2 /NDF: 2885.6/31

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.525 ± 0.578 χ^2/NDF : 141.1/22

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.161 ± 0.518 χ^2/NDF : 94.9/27

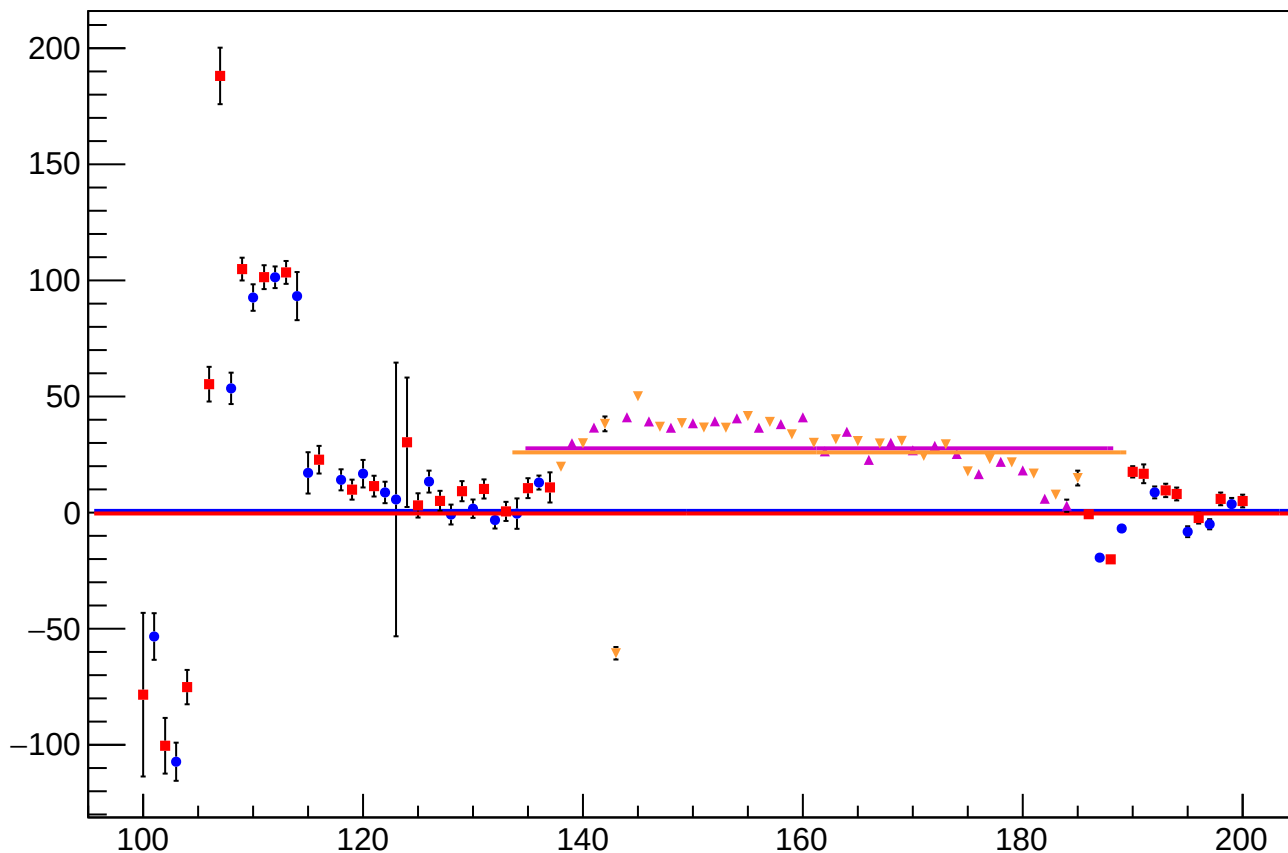
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.265 ± 0.261 χ^2/NDF : 249.1/47

All: -1.936 ± 0.184 χ^2/NDF : 415.6/98

- sign -1.607 ± 0.261 χ^2/NDF : 163.3/50

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 0.741 ± 0.708 χ^2/NDF : 1304.4/22

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -0.376 ± 0.523 χ^2/NDF : 2403.2/27

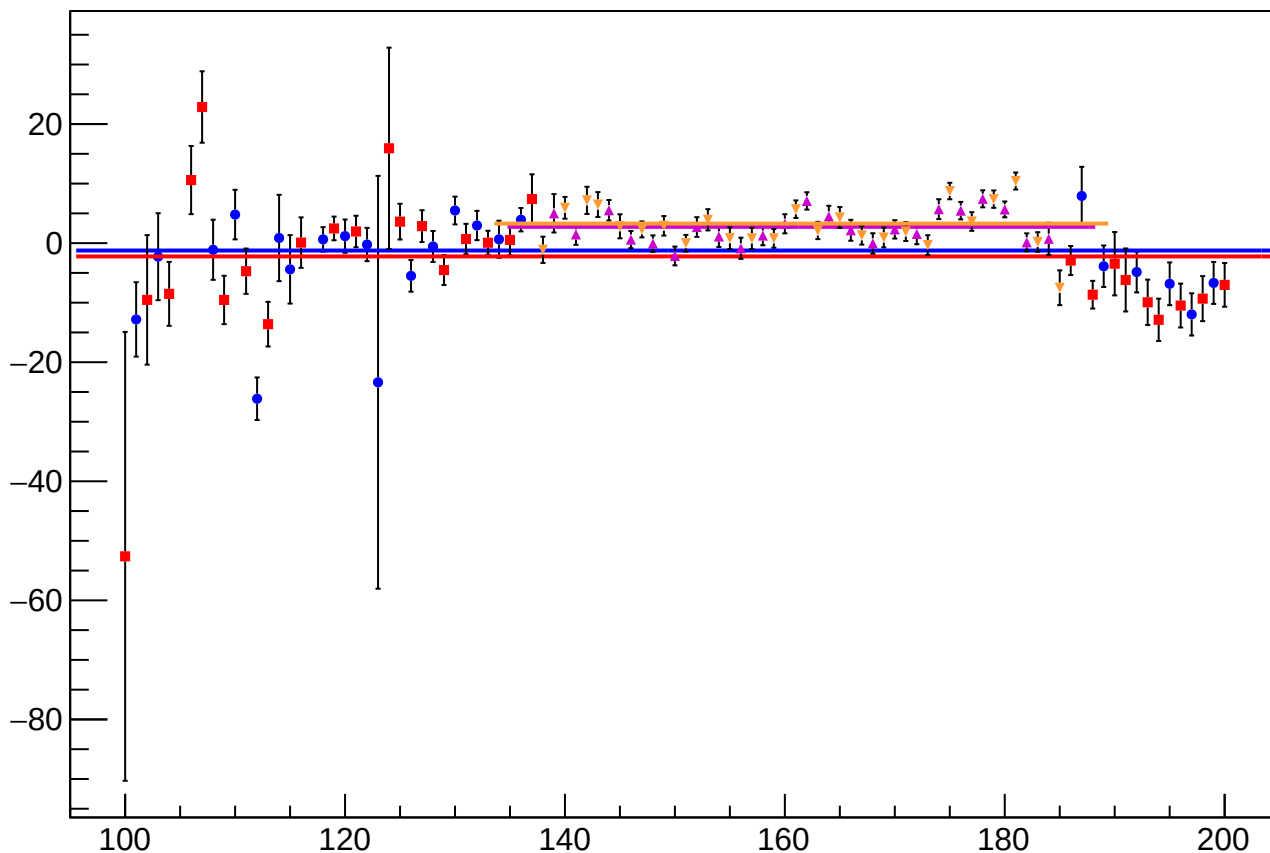
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 20.477 ± 0.330 χ^2/NDF : 4008.6/47

All: 19.168 ± 0.224 χ^2/NDF : 9135.8/98

- sign 18.035 ± 0.306 χ^2/NDF : 5097.8/50

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.241 ± 0.673 χ^2/NDF : 96.8/22

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.230 ± 0.624 χ^2/NDF : 97.6/27

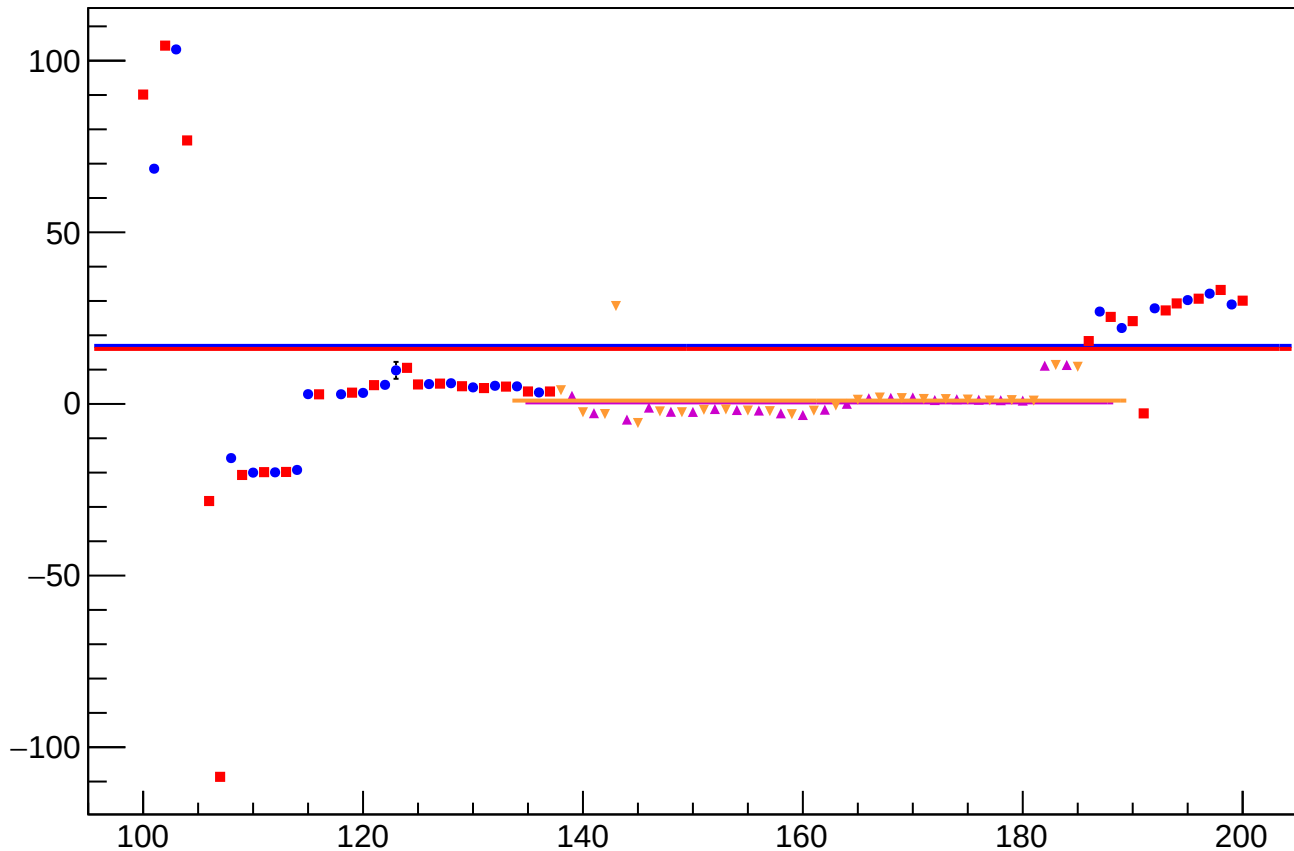
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.399 ± 0.297 χ^2/NDF : 235.5/47

All: 2.000 ± 0.211 χ^2/NDF : 450.0/98

- sign 1.595 ± 0.299 χ^2/NDF : 210.9/50

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 16.917 $\pm$ 0.033 χ^2 /NDF: 459113.5/22

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

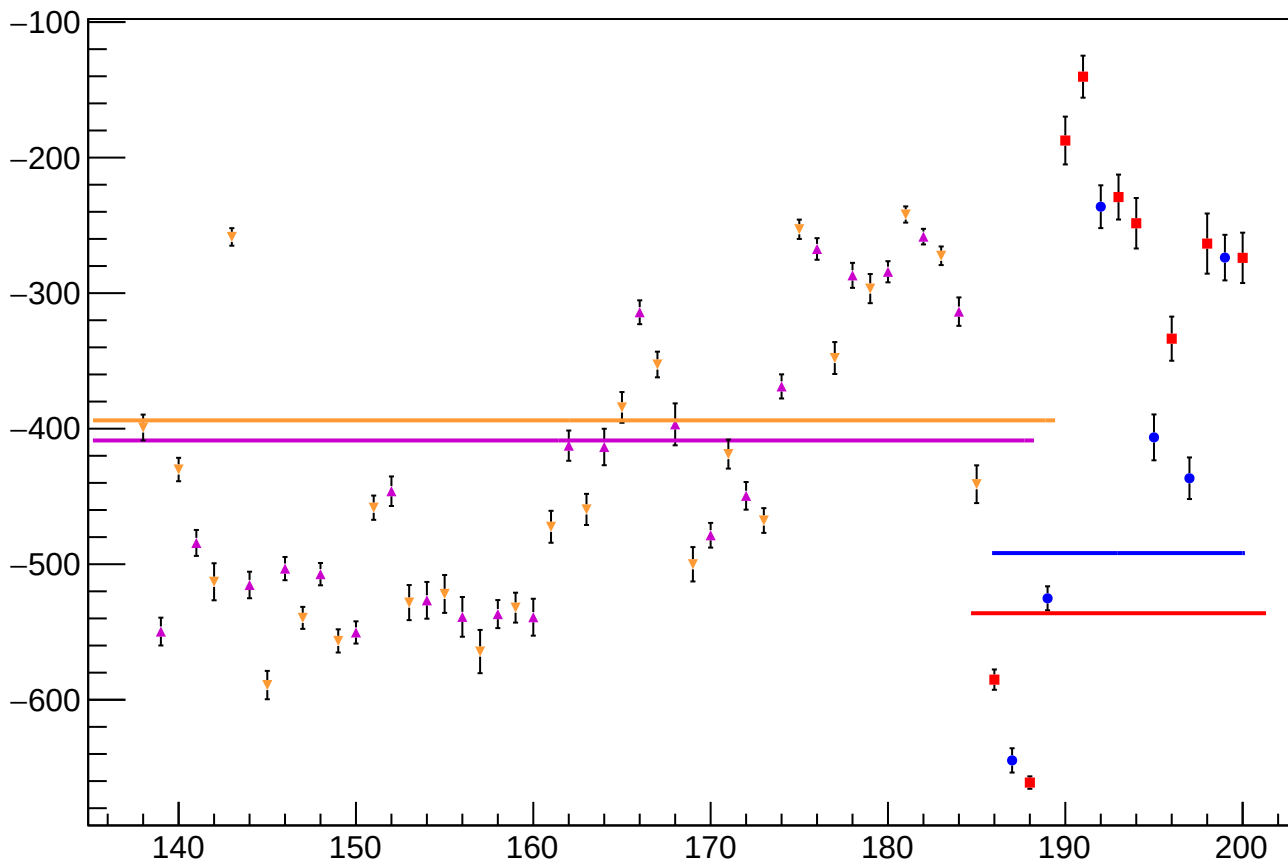
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 3.715 $\pm$ 0.014 χ^2 /NDF: 765496.9/47

All: 3.684 $\pm$ 0.010 χ^2 /NDF: 1720852.4/98

- sign 3.653 $\pm$ 0.014 χ^2 /NDF: 955345.2/50

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -491.785+/-4.972 χ^2/NDF : 773.7/5

Left Out: -393.871+/-1.897 χ^2/NDF : 3772.8/24

Right Out: -536.154+/-3.375 χ^2/NDF : 2911.7/8

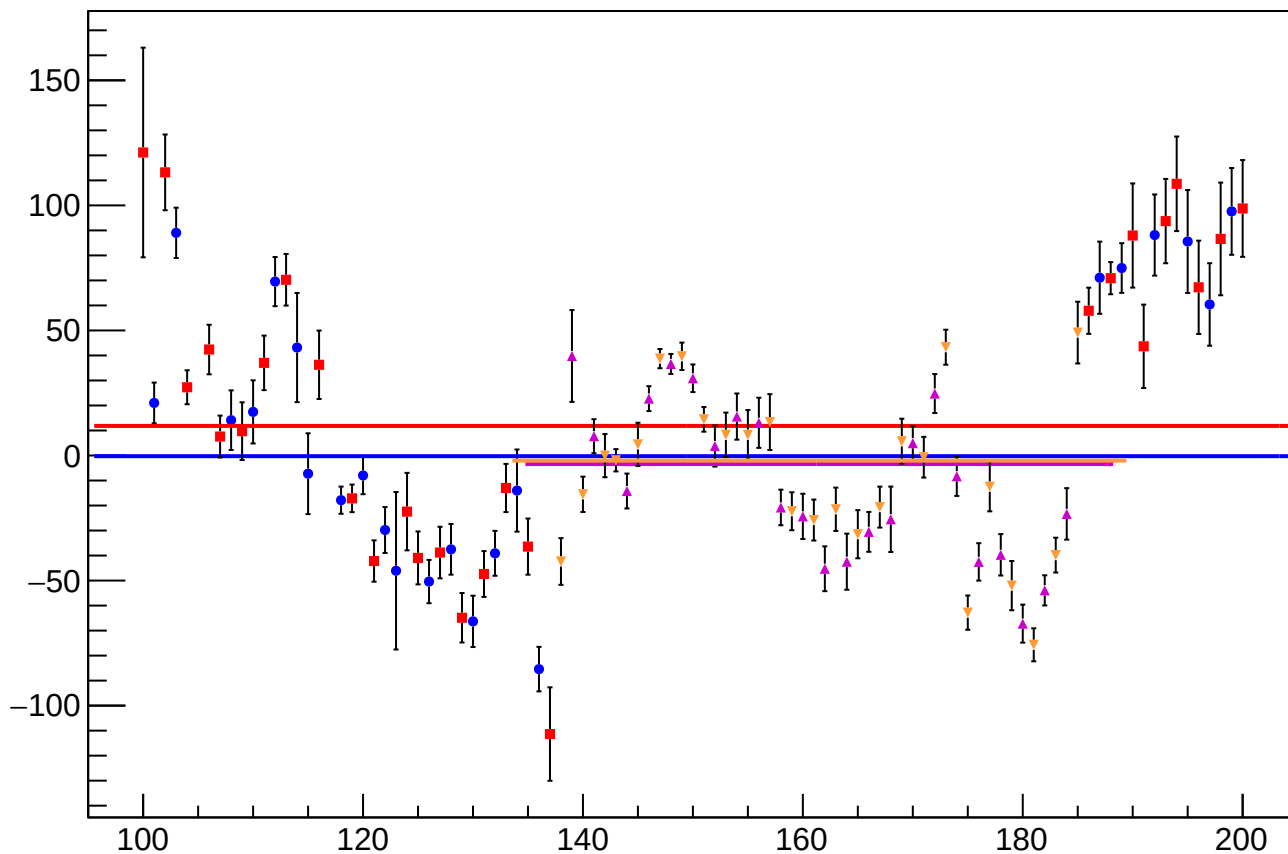
Left In: -408.696+/-1.979 χ^2/NDF : 3062.9/22

+ sign -406.315+/-1.772 χ^2/NDF : 4885.1/30

All: -424.463+/-1.230 χ^2/NDF : 12123.0/62

- sign -441.301+/-1.707 χ^2/NDF : 7035.8/31

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -0.269 ± 2.189 $\chi^2/\text{NDF}: 541.5/22$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 11.831 ± 1.995 $\chi^2/\text{NDF}: 618.2/27$

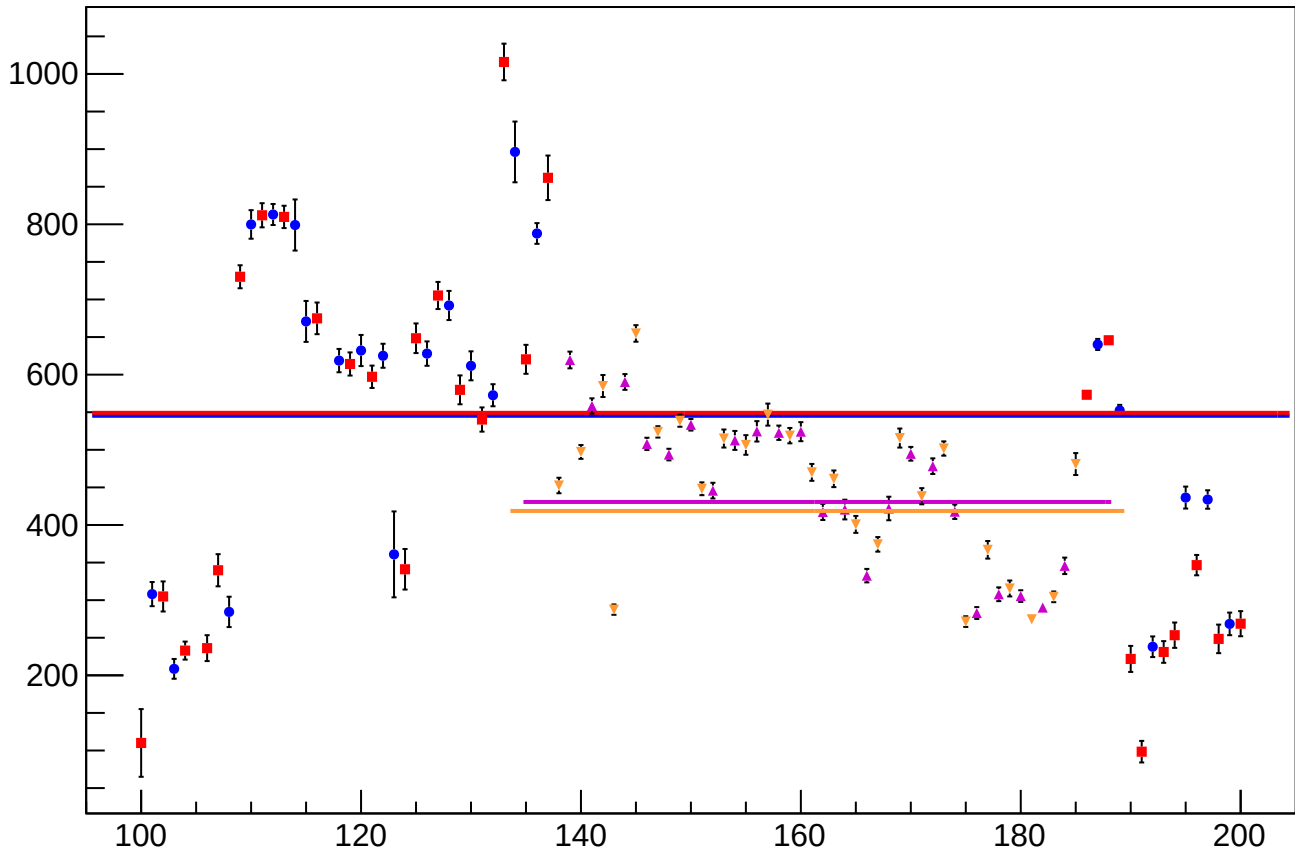
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign -1.511 ± 1.194 $\chi^2/\text{NDF}: 1105.7/47$

All: 0.312 ± 0.849 $\chi^2/\text{NDF}: 2216.6/98$

- sign 2.182 ± 1.209 $\chi^2/\text{NDF}: 1106.2/50$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 545.306 $\pm$ 3.010 χ^2 /NDF: 3365.9/22

Left Out: 418.680 $\pm$ 1.905 χ^2 /NDF:3296.5/24

Right Out: 549.204 $\pm$ 2.307 χ^2 /NDF: 6395.7/27

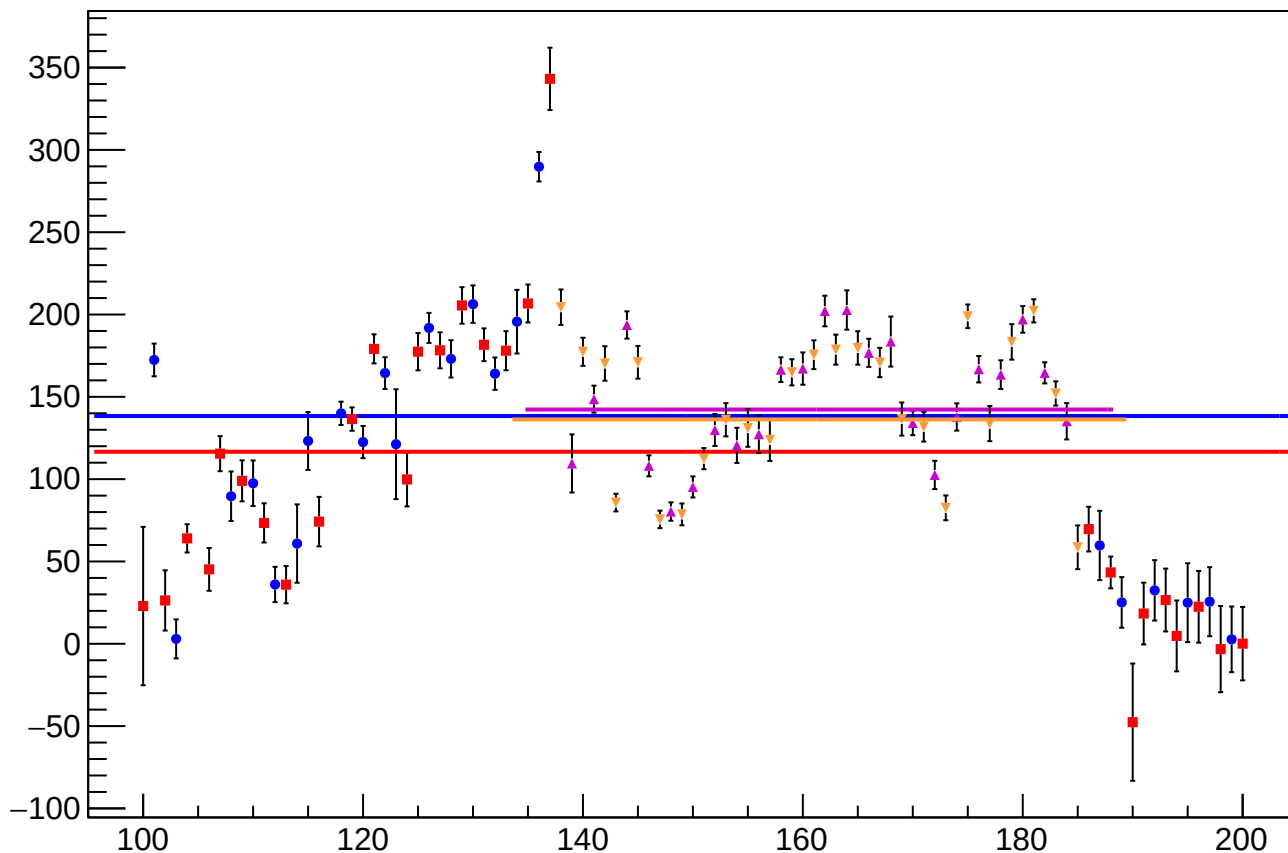
Left In: 430.640 $\pm$ 1.971 χ^2 /NDF:2850.6/22

+ sign 454.885 $\pm$ 1.610 χ^2 /NDF: 7925.8/47

All: 468.696 $\pm$ 1.097 χ^2 /NDF: 18836.6/98

- sign 480.664 $\pm$ 1.498 χ^2 /NDF: 10773.4/50

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 138.336 $\pm$ 2.568 χ^2 /NDF: 854.3/22

Left Out: 136.258 $\pm$ 1.651 χ^2 /NDF: 758.3/24

Right Out: 116.647 $\pm$ 2.384 χ^2 /NDF: 862.4/27

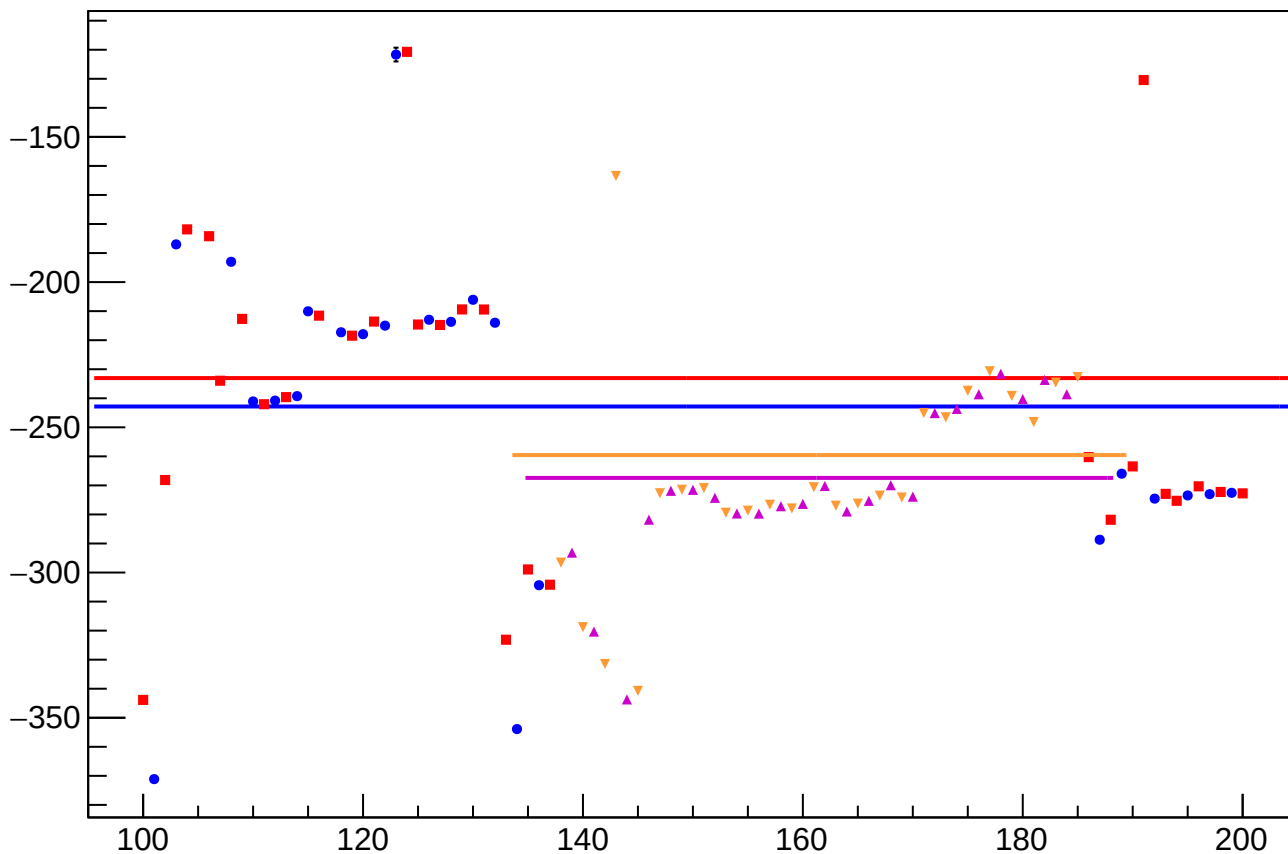
Left In: 142.296 $\pm$ 1.745 χ^2 /NDF: 459.8/22

+ sign 136.866 $\pm$ 1.389 χ^2 /NDF: 1613.1/47

All: 135.131 $\pm$ 0.989 χ^2 /NDF: 3013.8/98

- sign 133.348 $\pm$ 1.408 χ^2 /NDF: 1397.6/50

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -242.830 ± 0.132 $\chi^2/\text{NDF}: 159697.2/22$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -233.046 ± 0.119 $\chi^2/\text{NDF}: 170145.0/27$

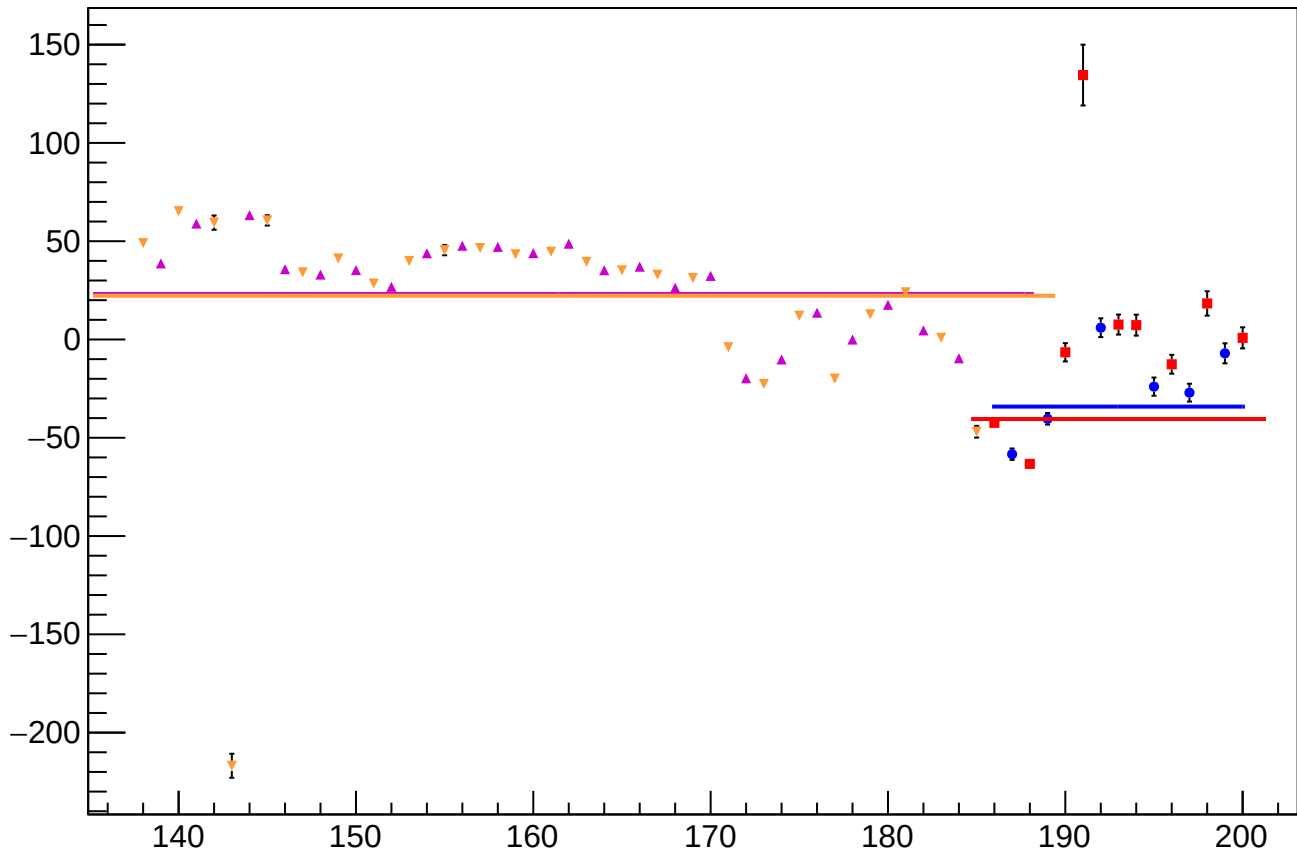
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -255.149 ± 0.068 $\chi^2/\text{NDF}: 409718.4/47$

All: -255.758 ± 0.048 $\chi^2/\text{NDF}: 735059.7/98$

- sign -256.355 ± 0.067 $\chi^2/\text{NDF}: 325182.0/50$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -34.139 ± 1.559 $\chi^2/\text{NDF}: 180.4/5$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -40.461 ± 1.017 $\chi^2/\text{NDF}: 748.7/8$

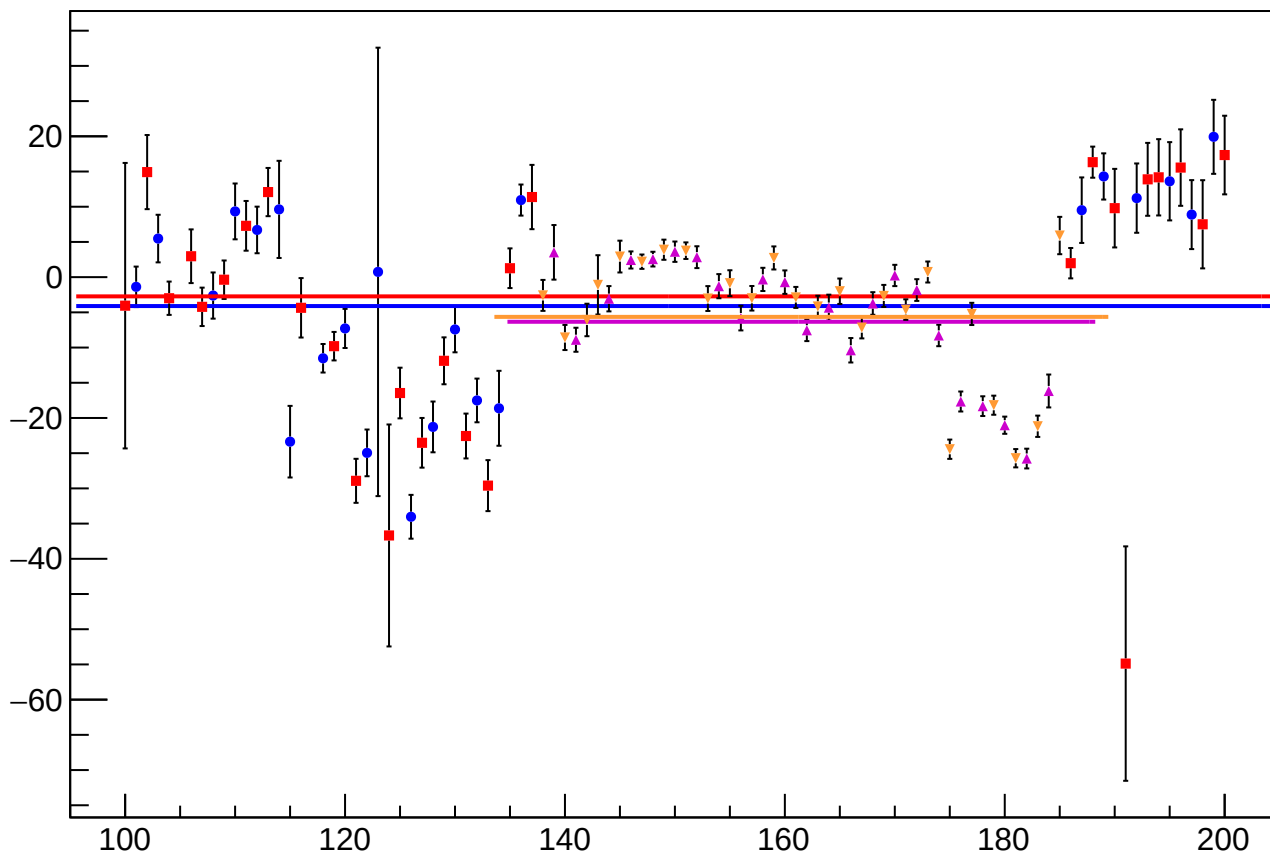
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 18.813 ± 0.386 $\chi^2/\text{NDF}: 6581.3/30$

All: 16.614 ± 0.268 $\chi^2/\text{NDF}: 13521.8/62$

- sign 14.560 ± 0.373 $\chi^2/\text{NDF}: 6877.8/31$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.106 ± 0.727 $\chi^2/\text{NDF}: 380.7/22$

Left Out: -5.642 ± 0.316 $\chi^2/\text{NDF}: 893.7/24$

Right Out: -2.731 ± 0.653 $\chi^2/\text{NDF}: 431.9/27$

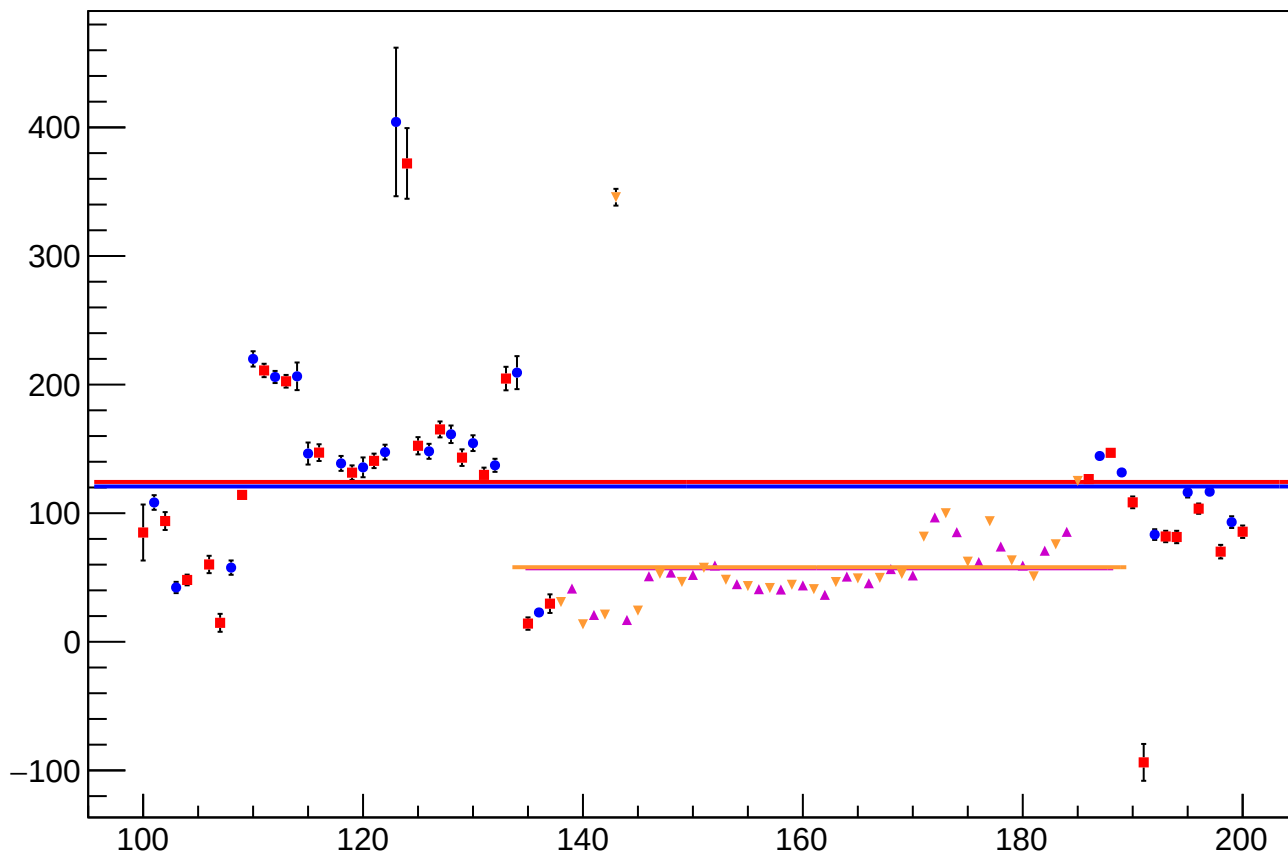
Left In: -6.337 ± 0.321 $\chi^2/\text{NDF}: 783.0/22$

+ sign -5.399 ± 0.289 $\chi^2/\text{NDF}: 1278.1/47$

All: -5.517 ± 0.204 $\chi^2/\text{NDF}: 2517.9/98$

- sign -5.635 ± 0.288 $\chi^2/\text{NDF}: 1239.4/50$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 120.789 $\pm$ 0.964 χ^2 /NDF: 2404.8/22

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 124.305 $\pm$ 0.713 χ^2 /NDF: 3115.3/27

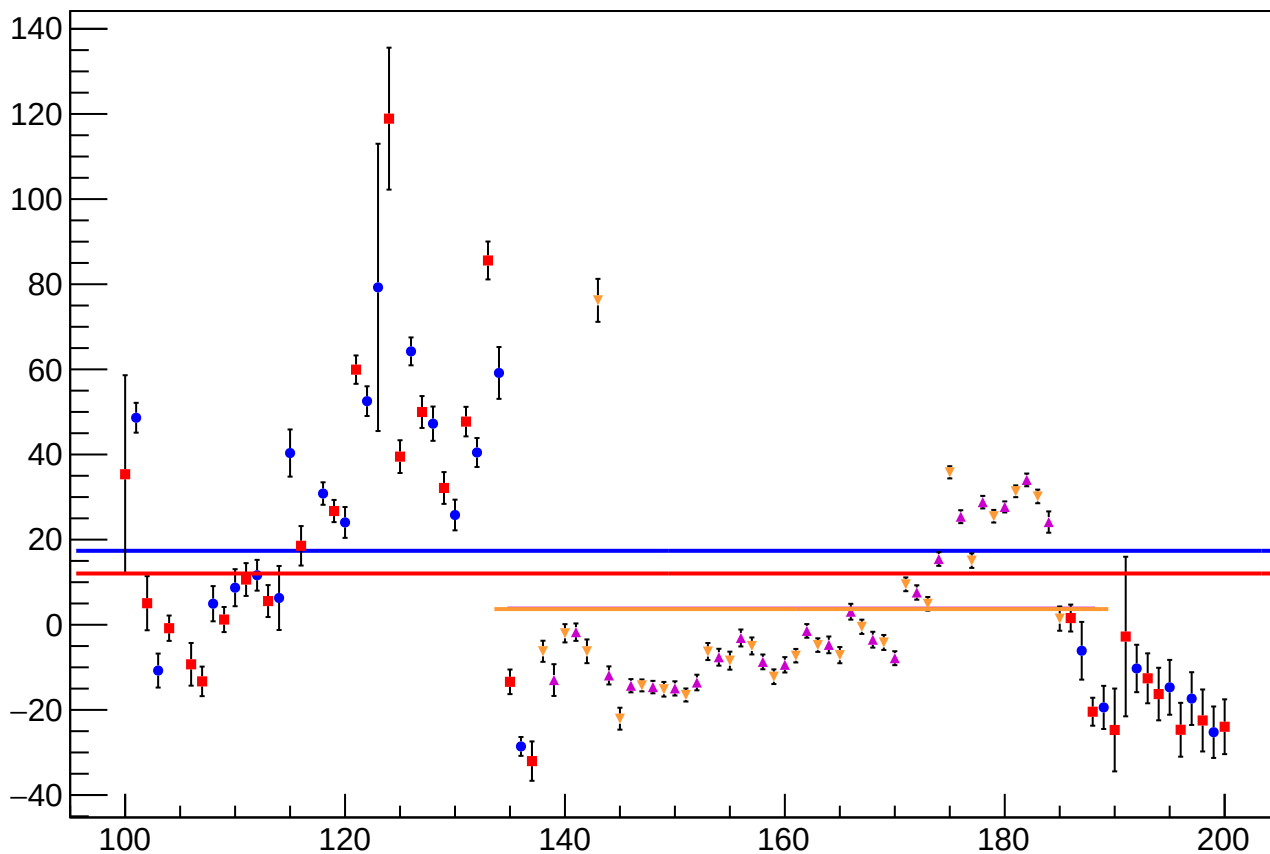
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 67.140 $\pm$ 0.368 χ^2 /NDF: 10668.9/47

All: 70.334 $\pm$ 0.253 χ^2 /NDF: 22489.4/98

- sign 73.203 $\pm$ 0.349 χ^2 /NDF: 11677.3/50

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 17.376 $\pm$ 0.844 χ^2 /NDF: 1282.8/22

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

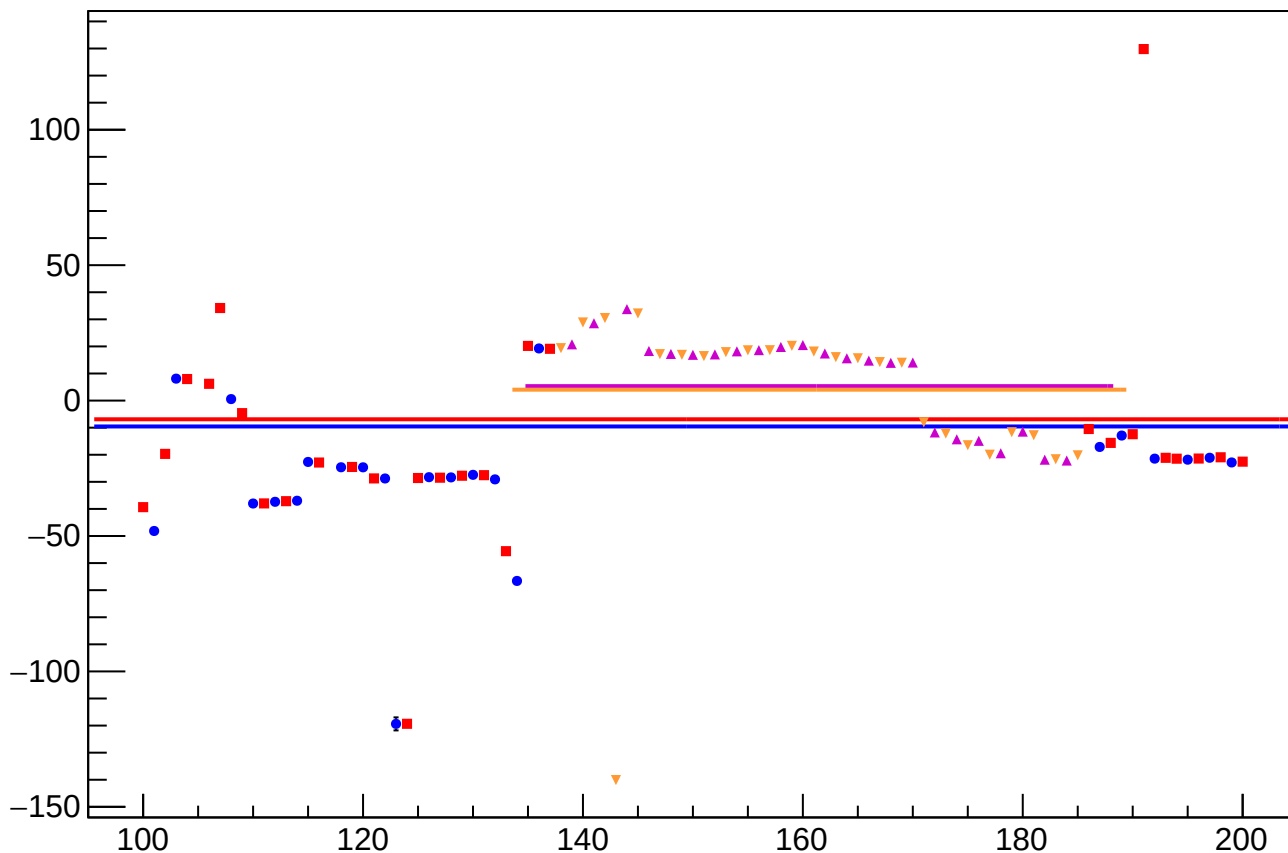
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 5.760 $\pm$ 0.329 χ^2 /NDF: 4047.8/47

All: 5.504 $\pm$ 0.232 χ^2 /NDF: 7709.5/98

- sign 5.247 $\pm$ 0.328 χ^2 /NDF: 3660.5/50

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -9.553 ± 0.041 χ^2/NDF : 286842.9/22

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -6.903 ± 0.038 χ^2/NDF : 376809.5/27

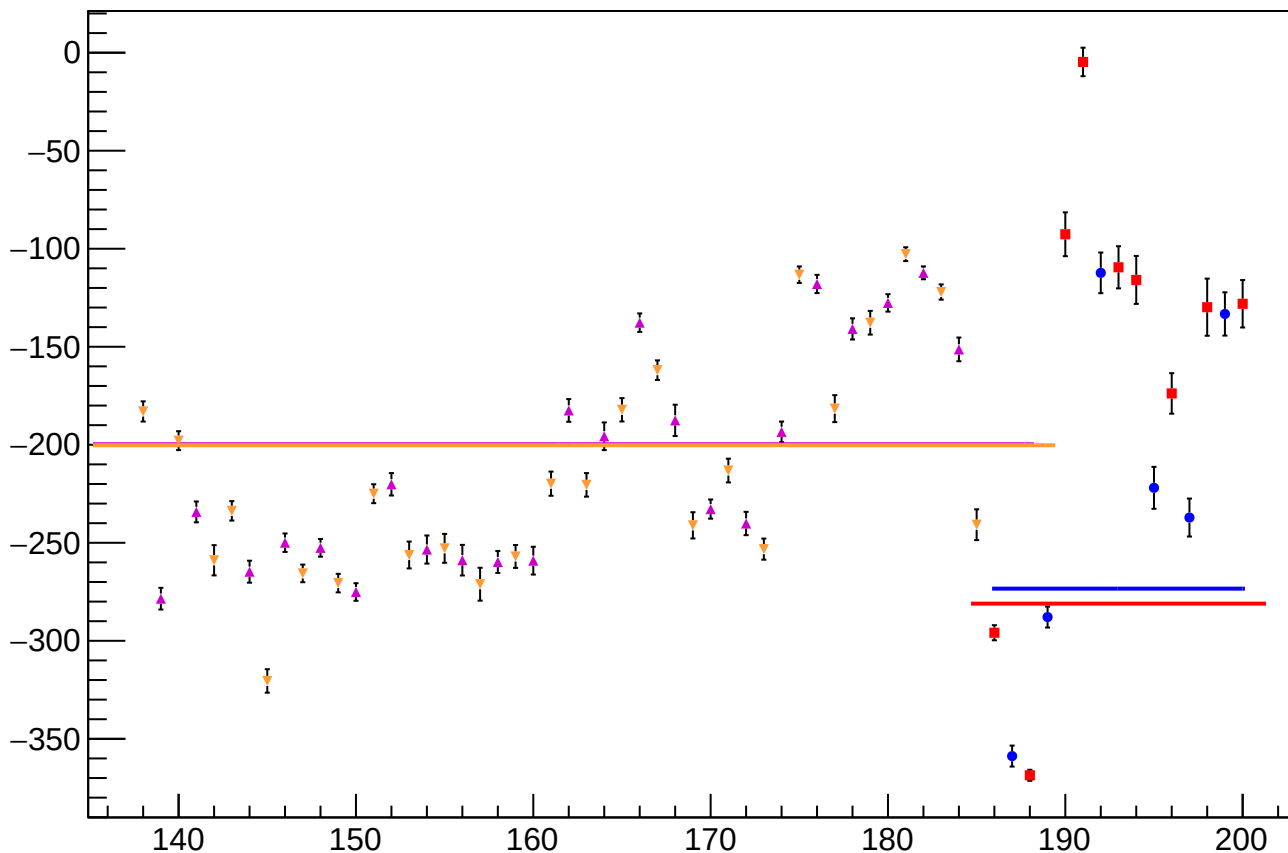
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 2.134 ± 0.015 χ^2/NDF : 1765918.2/47

All: 2.782 ± 0.011 χ^2/NDF : 3310950.2/98

- sign 3.422 ± 0.015 χ^2/NDF : 1541407.2/50

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -273.389 ± 3.062 $\chi^2/\text{NDF}: 701.3/5$

Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$

Right Out: -281.030 ± 1.973 $\chi^2/\text{NDF}: 3521.5/8$

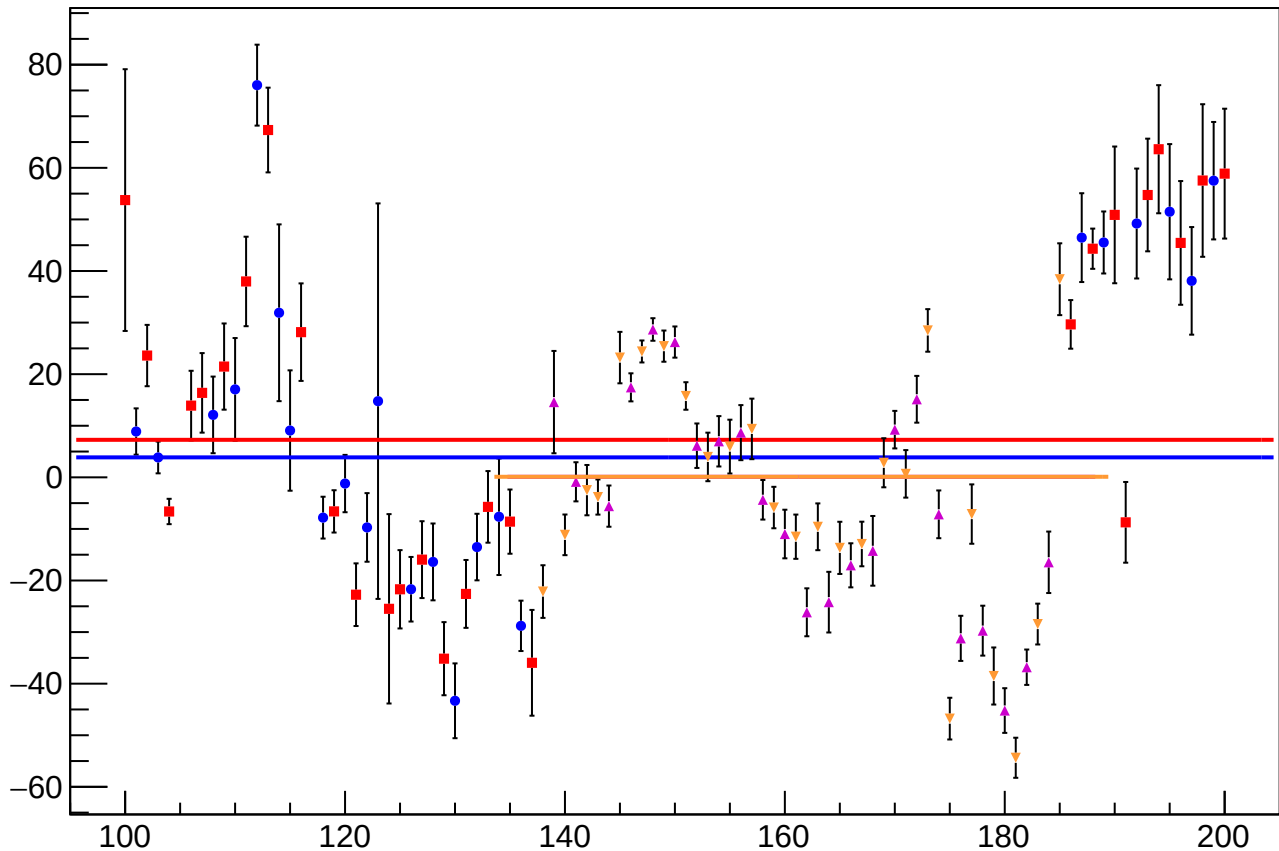
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -208.296 ± 1.017 $\chi^2/\text{NDF}: 4434.4/30$

All: -213.930 ± 0.698 $\chi^2/\text{NDF}: 12278.2/62$

- sign -218.943 ± 0.959 $\chi^2/\text{NDF}: 7785.8/31$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 3.871 ± 1.366 $\chi^2/\text{NDF}: 361.4/22$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 7.273 ± 1.215 $\chi^2/\text{NDF}: 472.4/27$

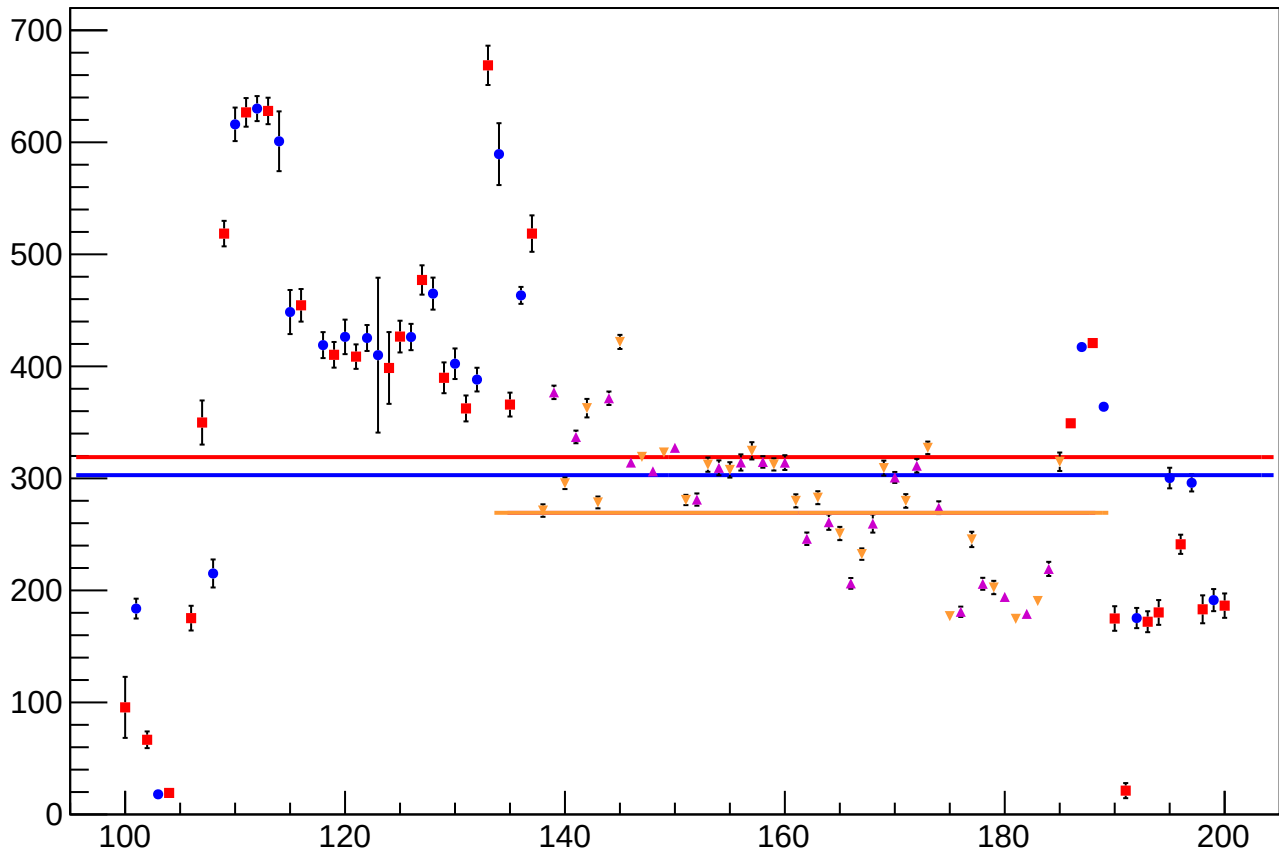
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 1.082 ± 0.695 $\chi^2/\text{NDF}: 1198.2/47$

All: 1.751 ± 0.490 $\chi^2/\text{NDF}: 2411.6/98$

- sign 2.410 ± 0.690 $\chi^2/\text{NDF}: 1211.5/50$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 302.885 $\pm$ 1.783 χ^2 /NDF: 9039.6/22

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

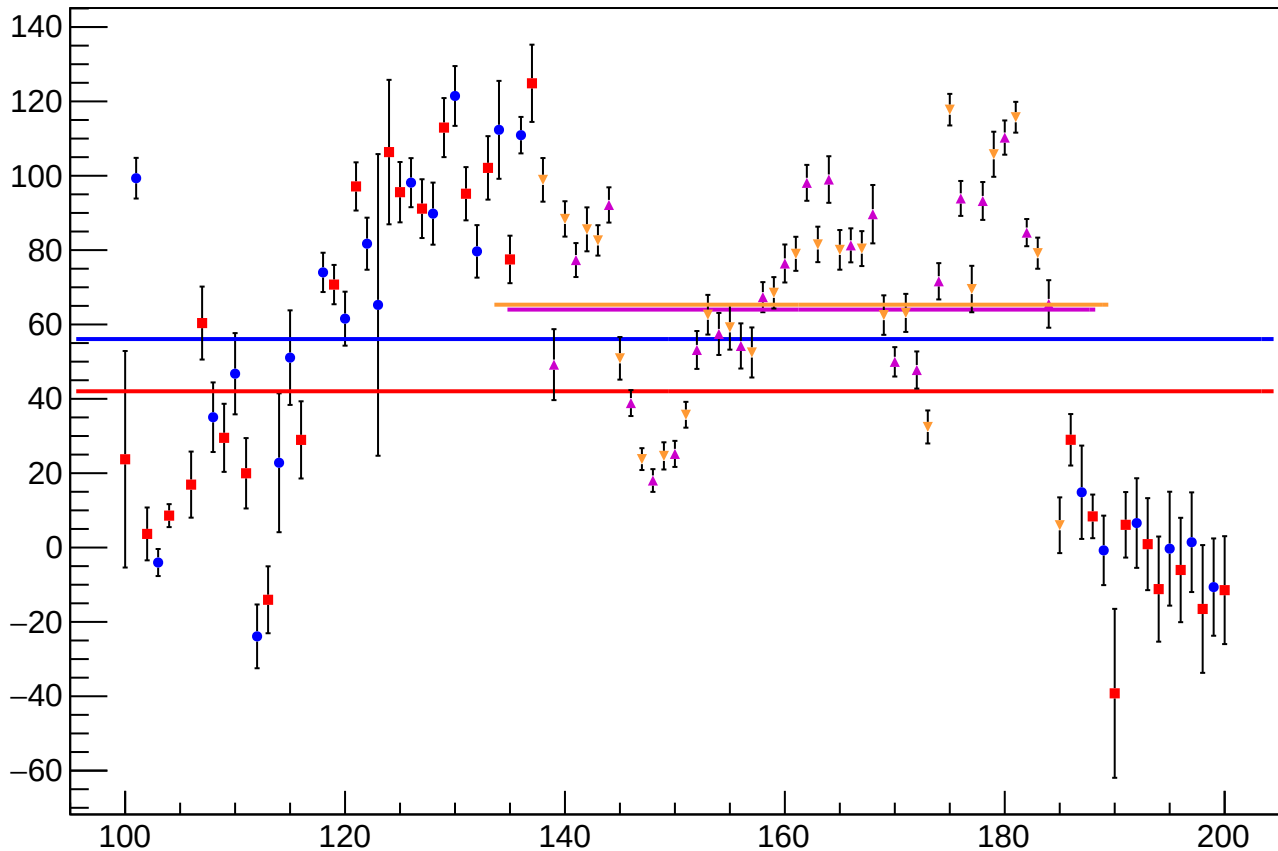
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 278.268 $\pm$ 0.922 χ^2 /NDF: 12446.5/47

All: 283.959 $\pm$ 0.625 χ^2 /NDF: 30263.8/98

- sign 288.786 $\pm$ 0.849 χ^2 /NDF: 17746.9/50

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 56.077 ± 1.606 χ^2/NDF : 855.4/22

Left Out: 65.323 ± 0.935 χ^2/NDF : 1007.1/24

Right Out: 42.033 ± 1.475 χ^2/NDF : 807.8/27

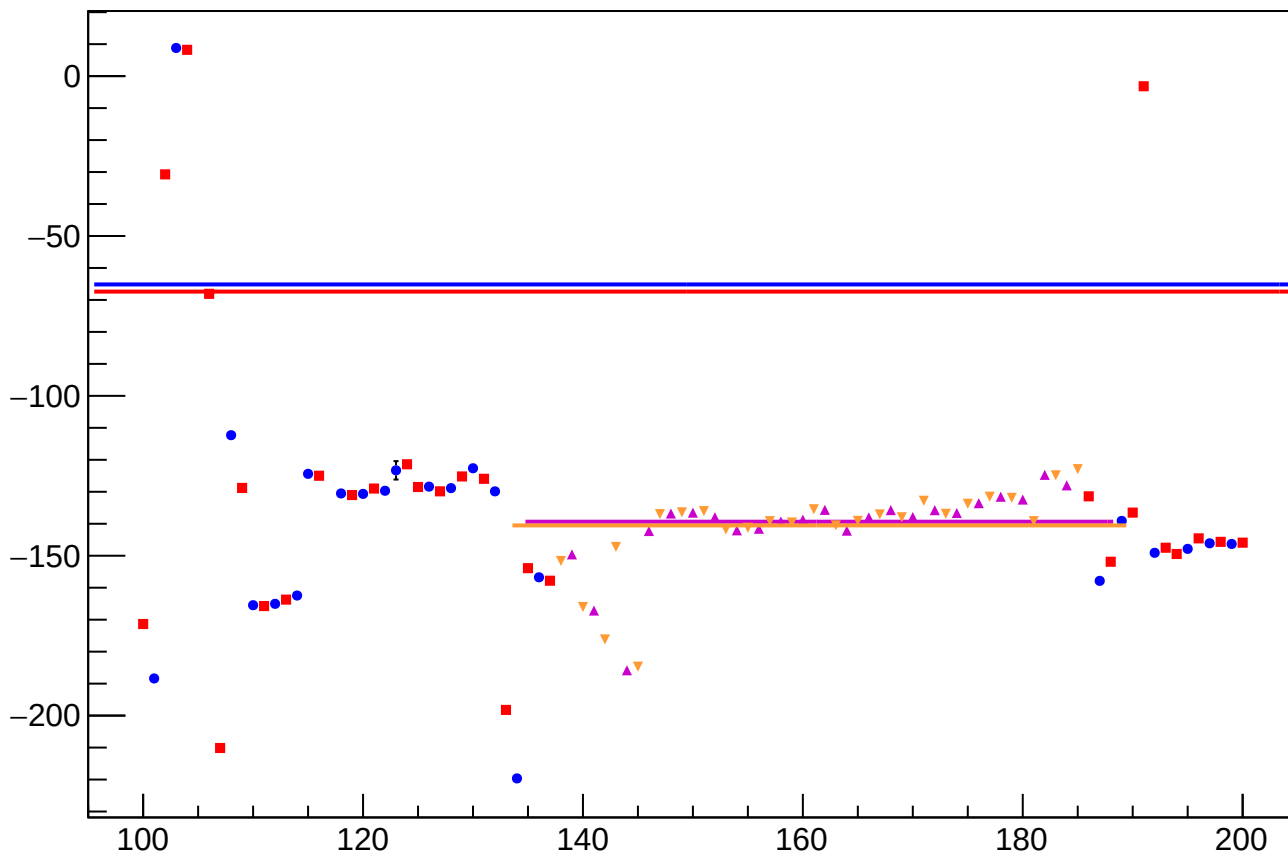
Left In: 63.999 ± 0.963 χ^2/NDF : 799.5/22

+ sign 62.983 ± 0.808 χ^2/NDF : 1887.3/47

All: 60.205 ± 0.571 χ^2/NDF : 3673.6/98

- sign 57.438 ± 0.806 χ^2/NDF : 1762.7/50

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -65.151 ± 0.066 $\chi^2/\text{NDF}: 1450375.0/22$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -67.391 ± 0.063 $\chi^2/\text{NDF}: 1336734.6/27$

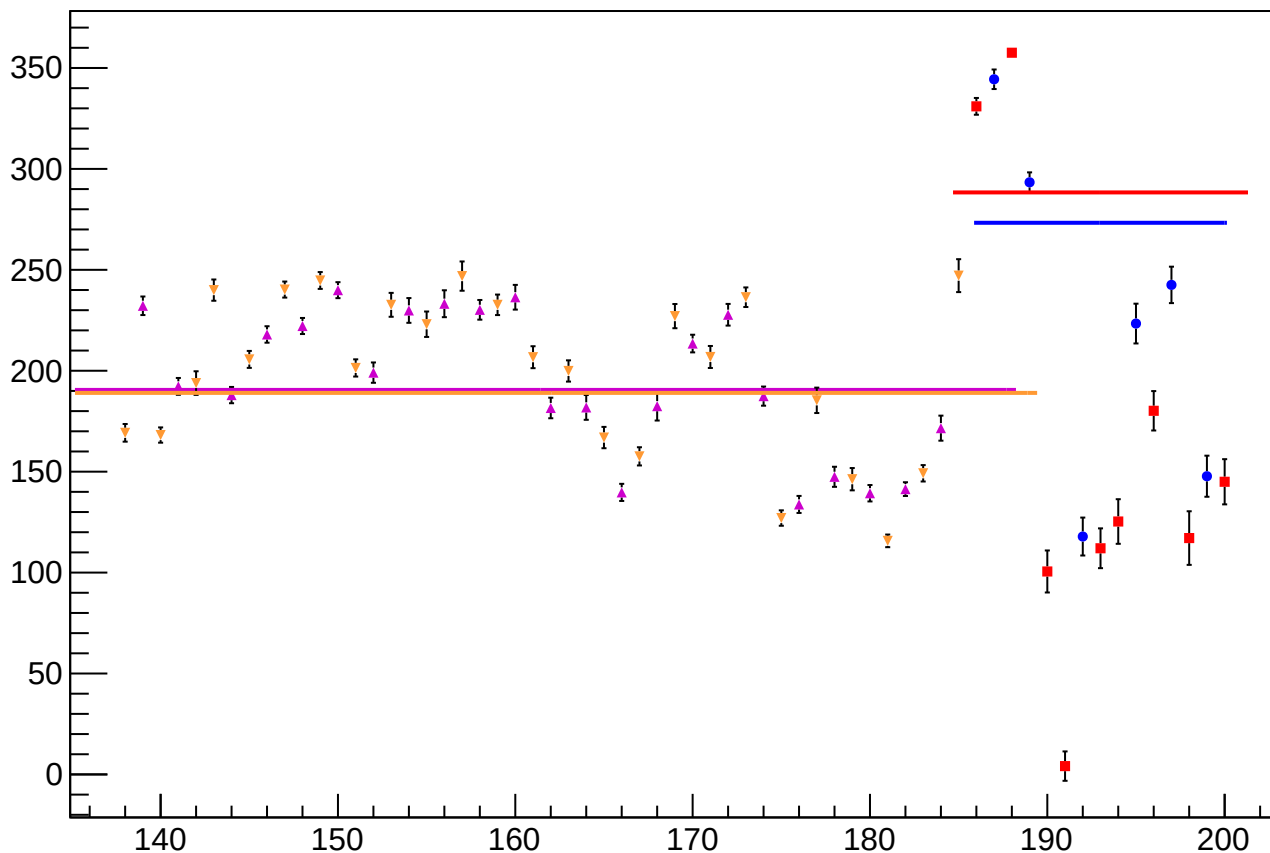
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -116.821 ± 0.037 $\chi^2/\text{NDF}: 2427642.6/47$

All: -115.864 ± 0.026 $\chi^2/\text{NDF}: 4696256.9/98$

- sign -114.924 ± 0.037 $\chi^2/\text{NDF}: 2267280.0/50$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 273.308 $\pm$ 2.799 χ^2 /NDF: 695.8/5

Left Out: 189.030 $\pm$ 0.956 χ^2 /NDF:1980.9/24

Right Out: 288.349 $\pm$ 1.863 χ^2 /NDF: 3709.3/8

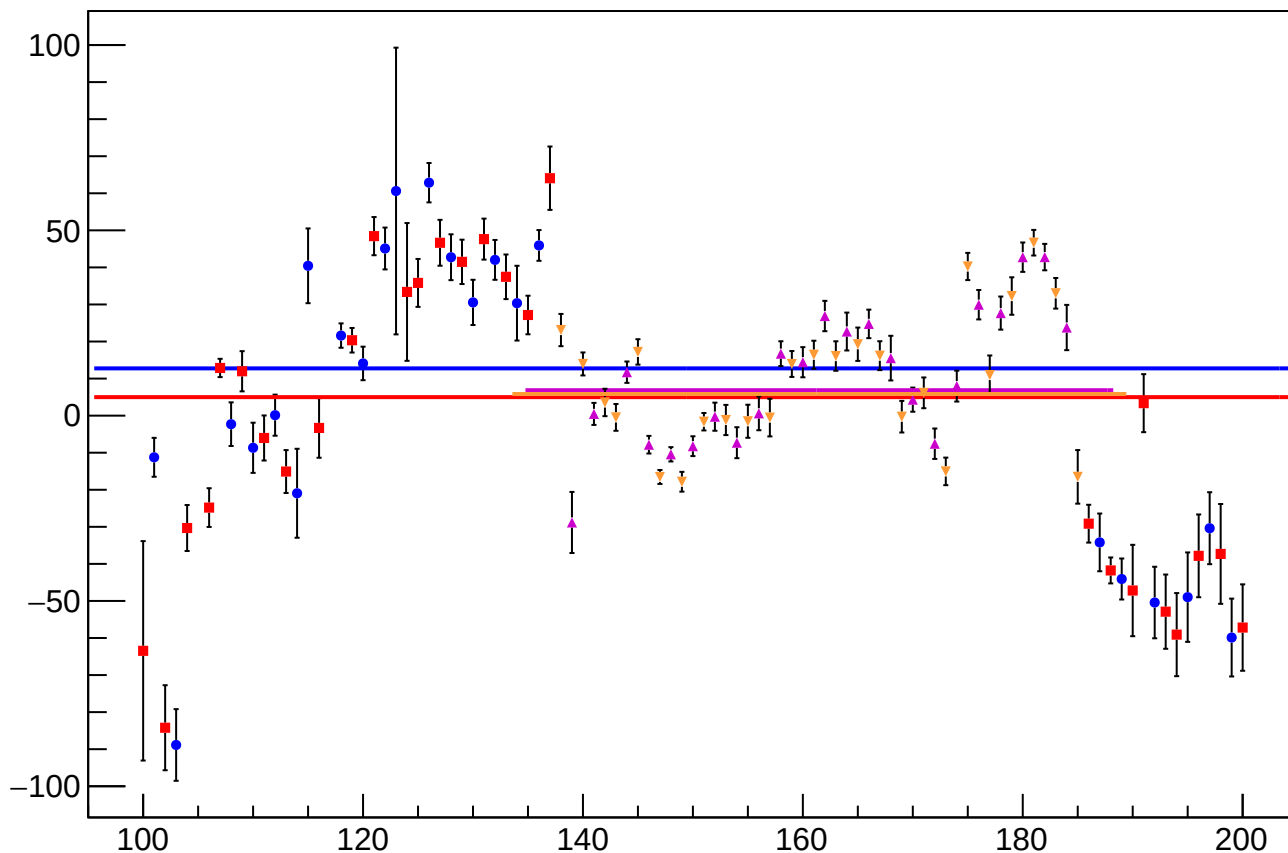
Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

+ sign 197.833 $\pm$ 0.905 χ^2 /NDF: 3488.7/30

All: 205.000 $\pm$ 0.625 χ^2 /NDF: 10895.0/62

- sign 211.537 $\pm$ 0.864 χ^2 /NDF: 7286.3/31

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.752 $\pm$ 1.293 χ^2 /NDF: 706.5/22

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

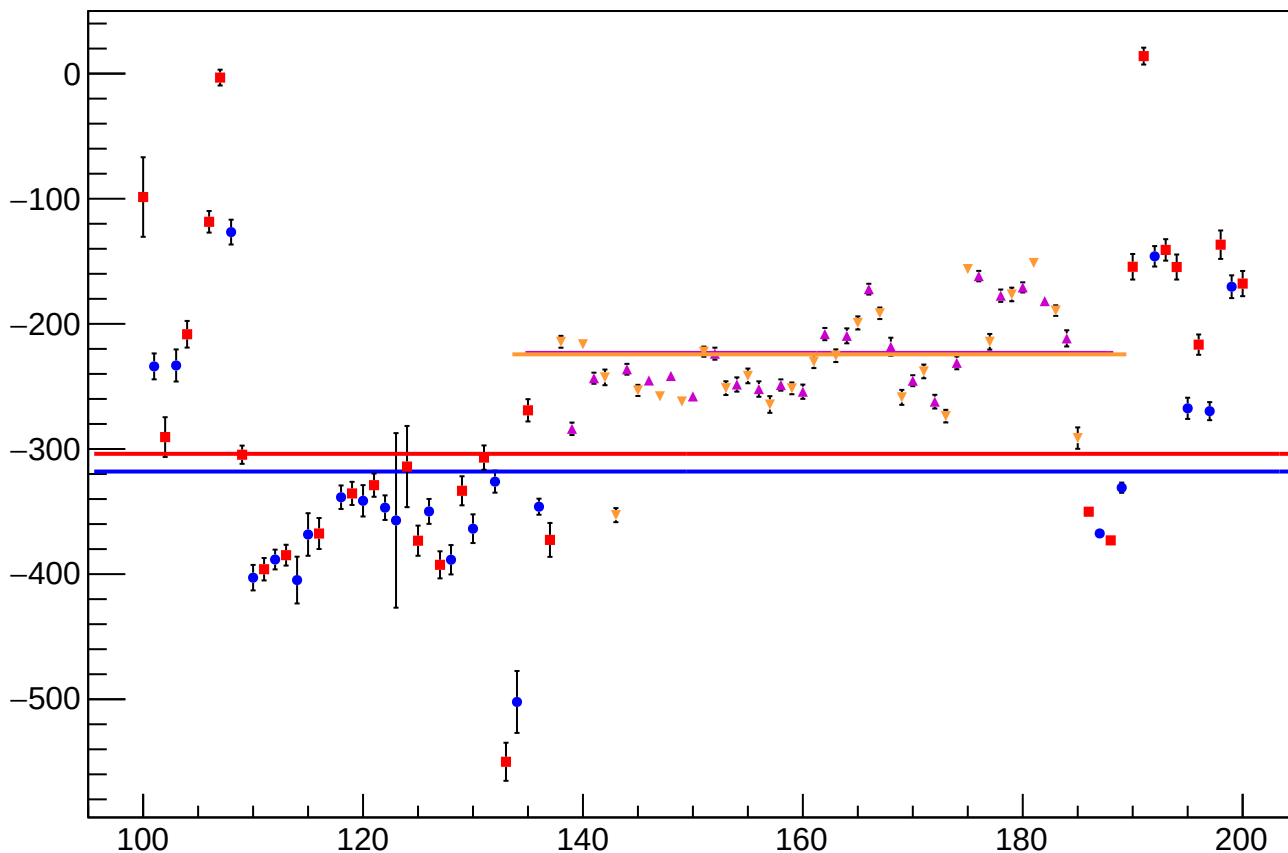
Left In: 6.862 $\pm$ 0.736 χ^2 /NDF: 522.7/22

+ sign 7.446 $\pm$ 0.624 χ^2 /NDF: 1380.7/47

All: 6.847 $\pm$ 0.436 χ^2 /NDF: 2781.1/98

- sign 6.275 $\pm$ 0.610 χ^2 /NDF: 1398.6/50

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -318.015 ± 1.732 χ^2/NDF : 1767.0/22

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -303.857 ± 1.280 χ^2/NDF : 8419.2/27

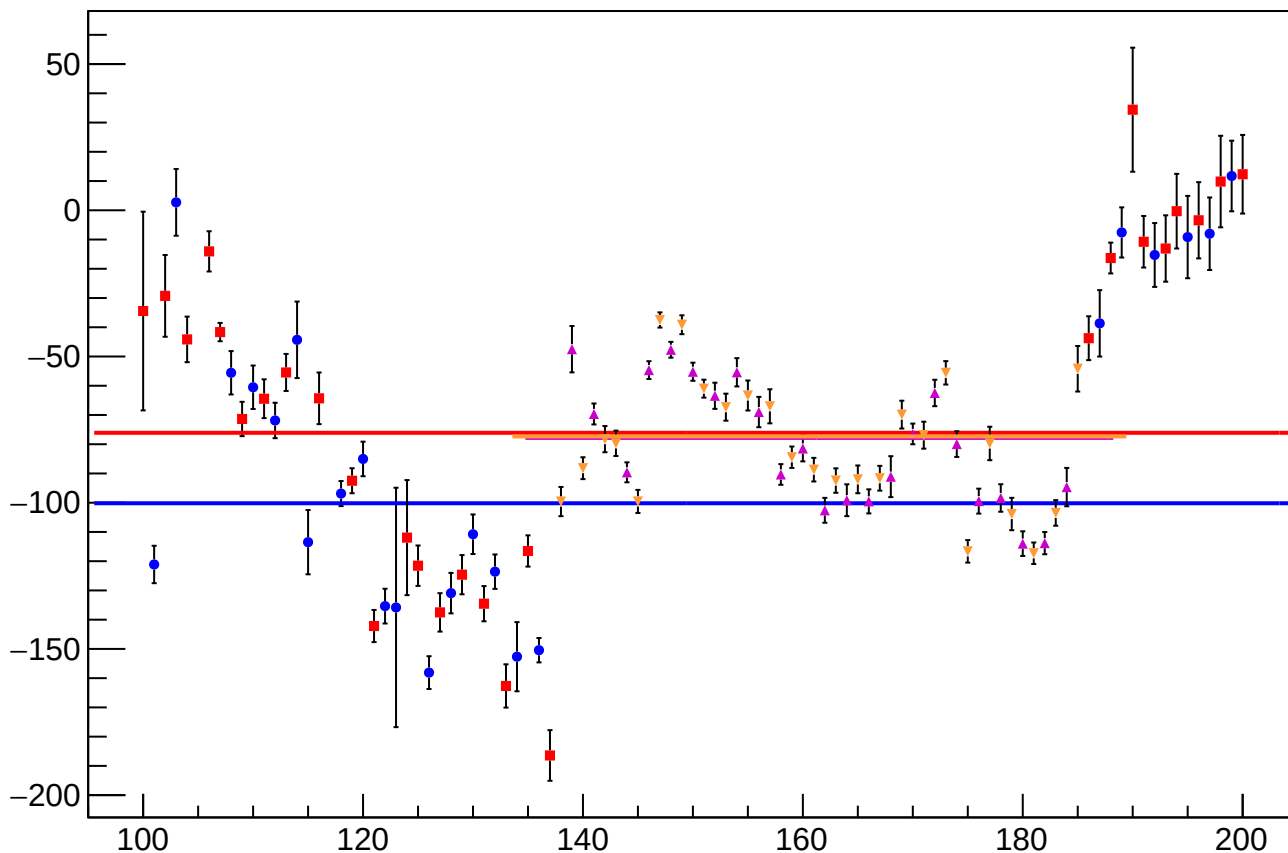
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -246.238 ± 0.837 χ^2/NDF : 6111.5/47

All: -249.683 ± 0.568 χ^2/NDF : 18354.8/98

- sign -252.618 ± 0.773 χ^2/NDF : 12211.9/50

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -100.187 ± 1.510 χ^2/NDF : 940.9/22

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -76.090 ± 1.309 χ^2/NDF : 1443.5/27

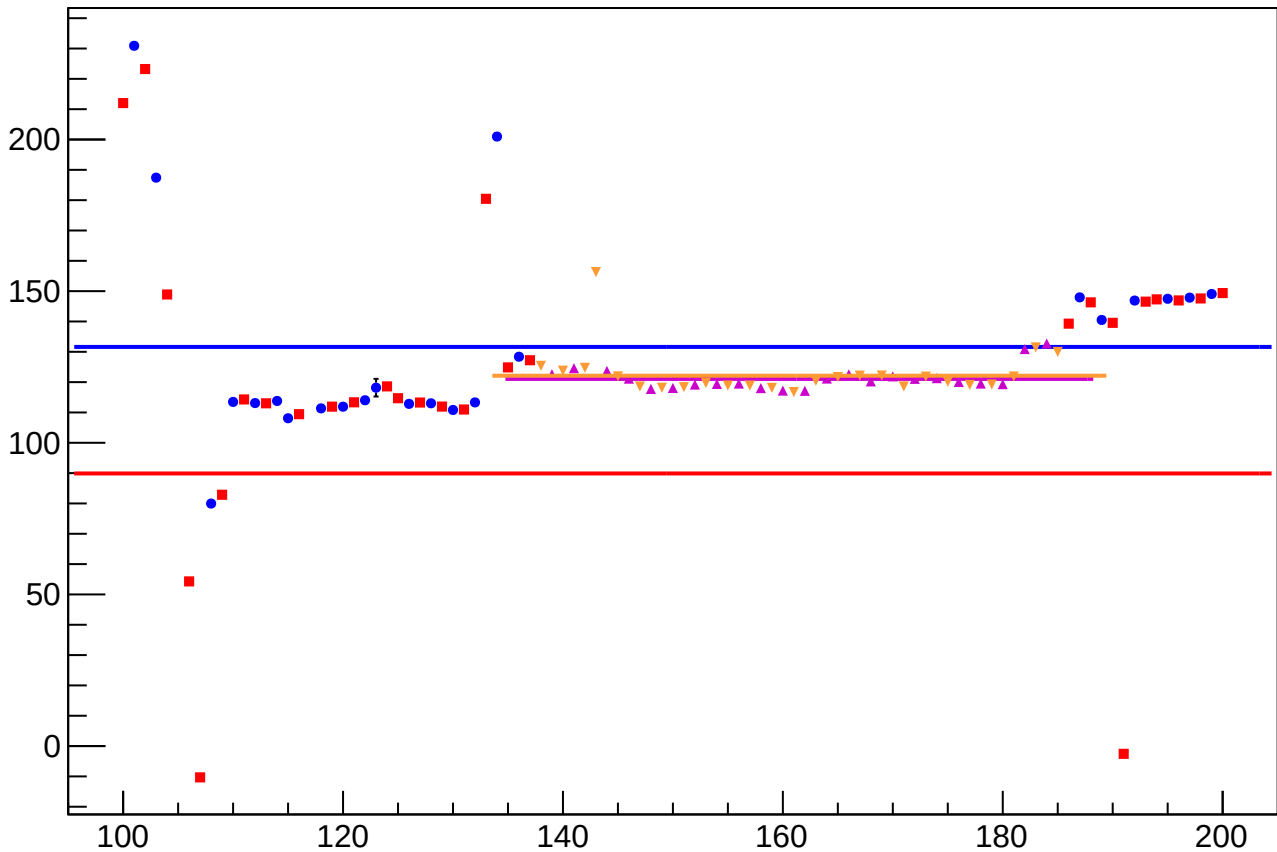
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -82.609 ± 0.725 χ^2/NDF : 1963.2/47

All: -79.917 ± 0.508 χ^2/NDF : 4057.8/98

- sign -77.321 ± 0.712 χ^2/NDF : 2067.5/50

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 131.612 $\pm$ 0.079 χ^2 /NDF: 198275.2/22

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

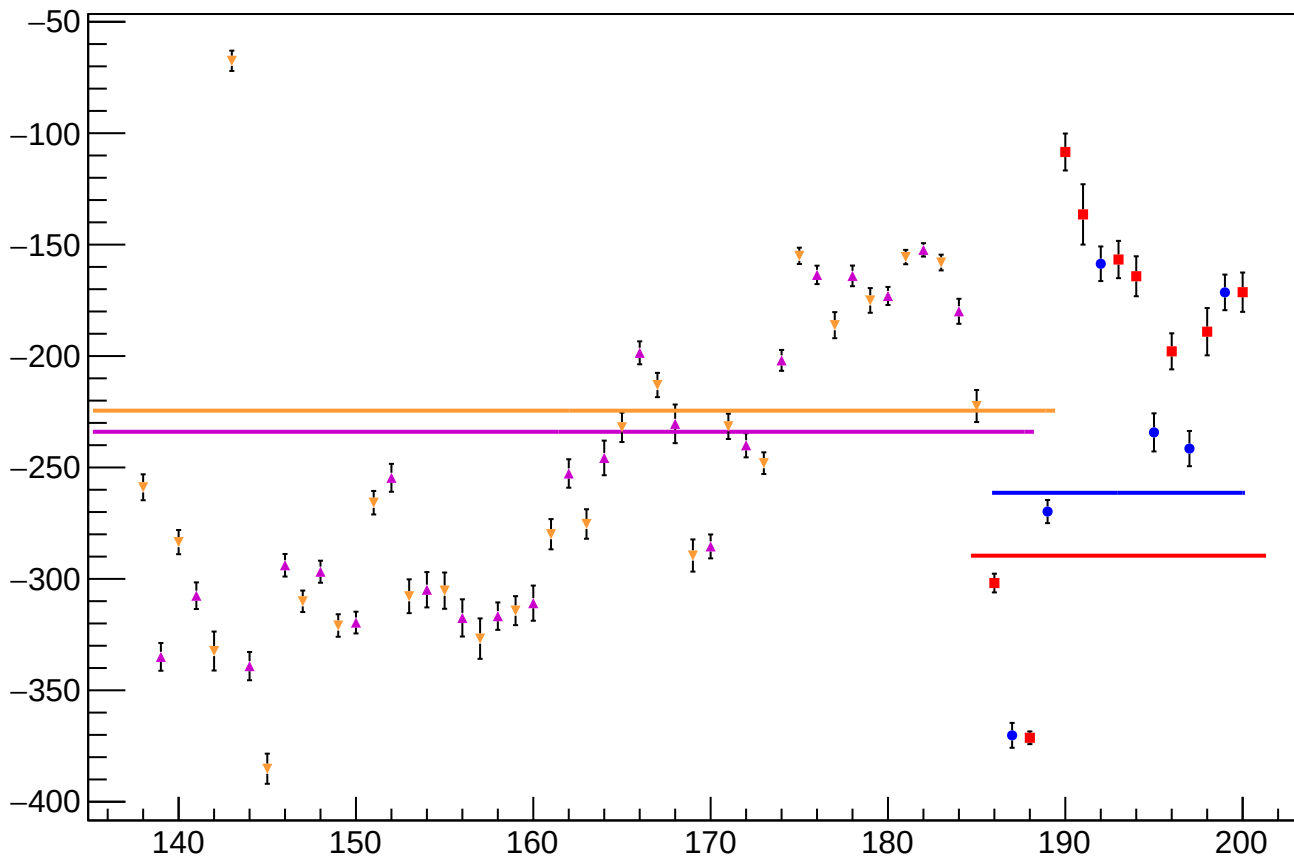
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 124.007 $\pm$ 0.035 χ^2 /NDF: 240294.3/47

All: 117.945 $\pm$ 0.024 χ^2 /NDF: 1559234.3/98

- sign 112.391 $\pm$ 0.034 χ^2 /NDF: 1262355.6/50

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -261.366 ± 2.762 $\chi^2/\text{NDF}: 700.8/5$

Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$

Right Out: -289.577 ± 1.949 $\chi^2/\text{NDF}: 2280.3/8$

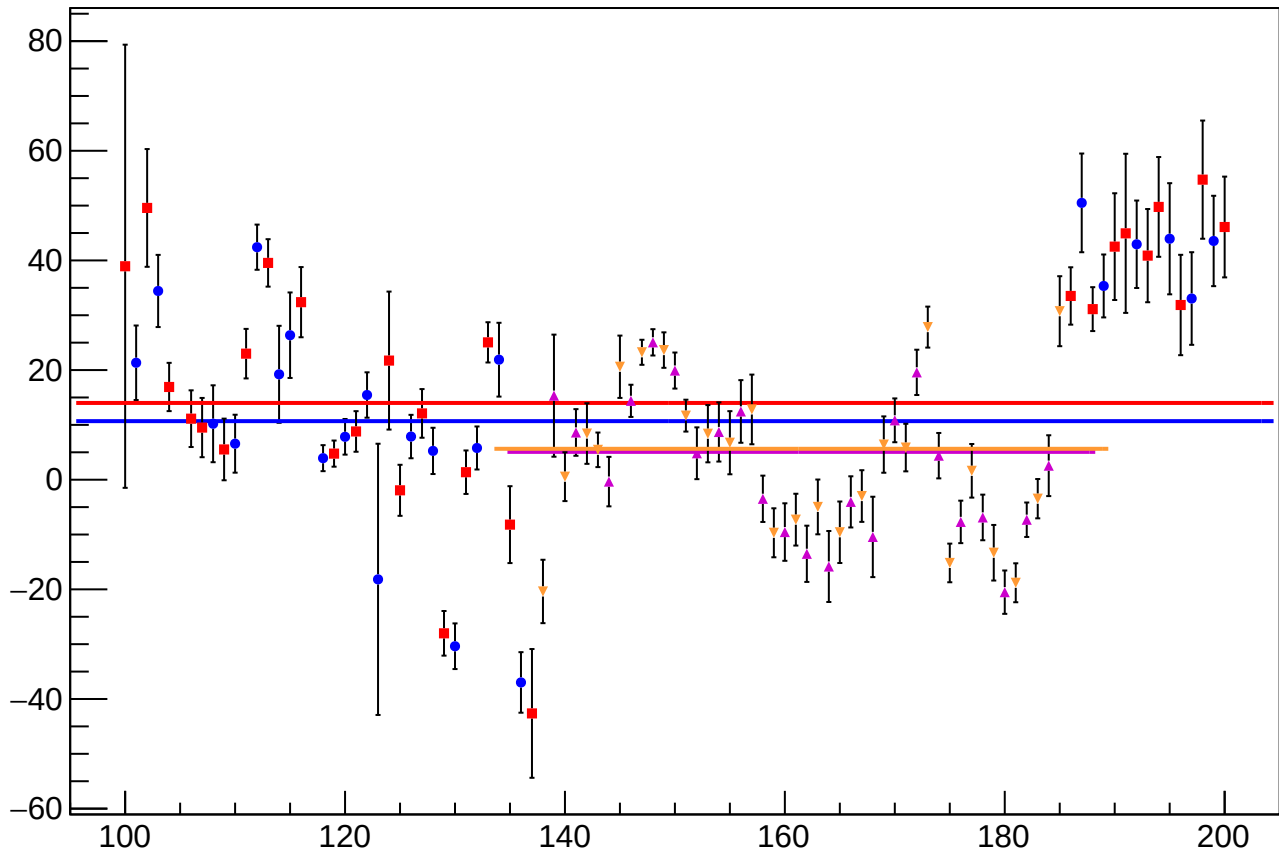
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -229.382 ± 1.005 $\chi^2/\text{NDF}: 5725.9/30$

All: -238.862 ± 0.696 $\chi^2/\text{NDF}: 12329.9/62$

- sign -247.575 ± 0.964 $\chi^2/\text{NDF}: 6433.3/31$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.684 ± 1.045 $\chi^2/\text{NDF}: 358.2/22$

Left Out: 5.638 ± 0.828 $\chi^2/\text{NDF}: 313.6/24$

Right Out: 14.002 ± 0.980 $\chi^2/\text{NDF}: 351.5/27$

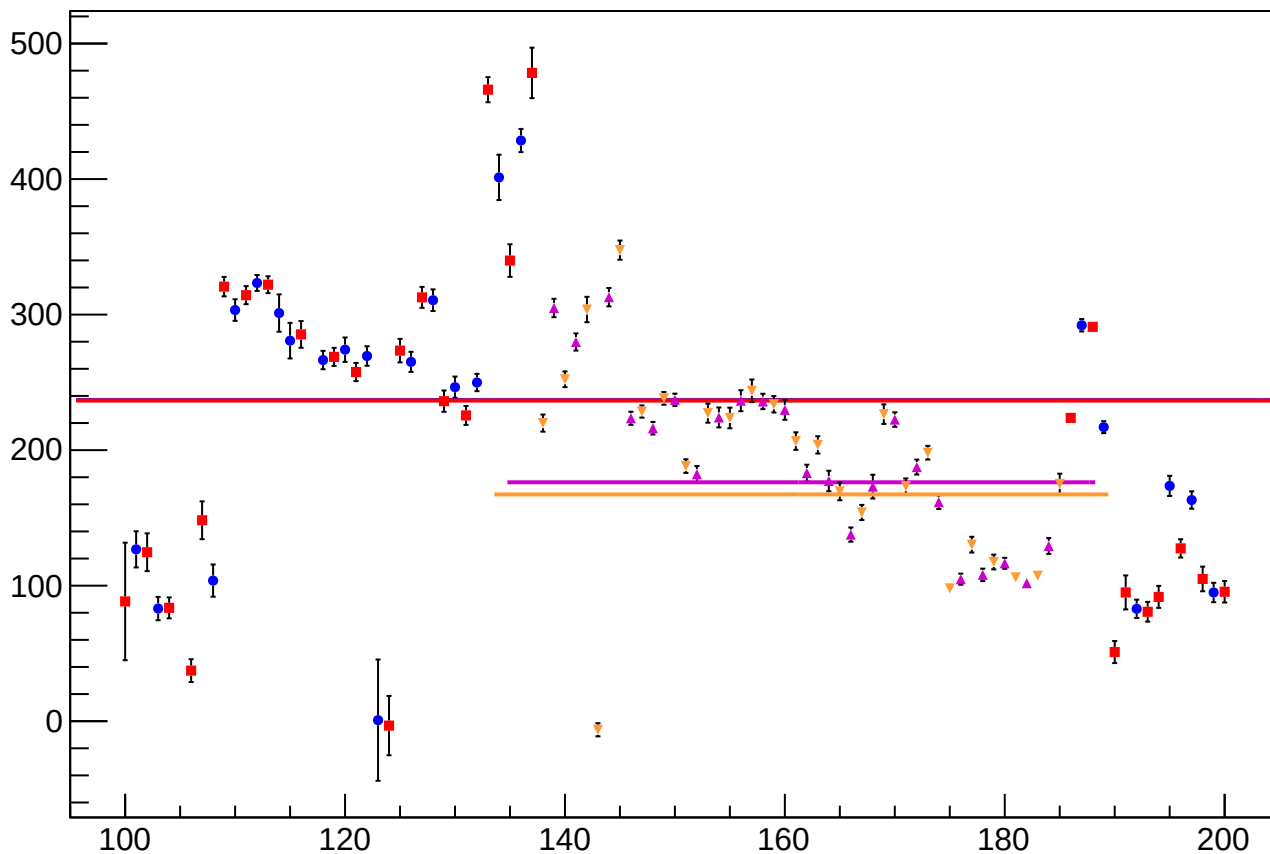
Left In: 5.077 ± 0.869 $\chi^2/\text{NDF}: 239.7/22$

+ sign 7.584 ± 0.649 $\chi^2/\text{NDF}: 686.2/47$

All: 8.293 ± 0.459 $\chi^2/\text{NDF}: 1326.2/98$

- sign 9.006 ± 0.650 $\chi^2/\text{NDF}: 637.6/50$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 236.879 ± 1.561 $\chi^2/\text{NDF}: 2906.5/22$

Left Out: 167.327 ± 1.082 $\chi^2/\text{NDF}: 4454.5/24$

Right Out: 236.624 ± 1.252 $\chi^2/\text{NDF}: 5459.7/27$

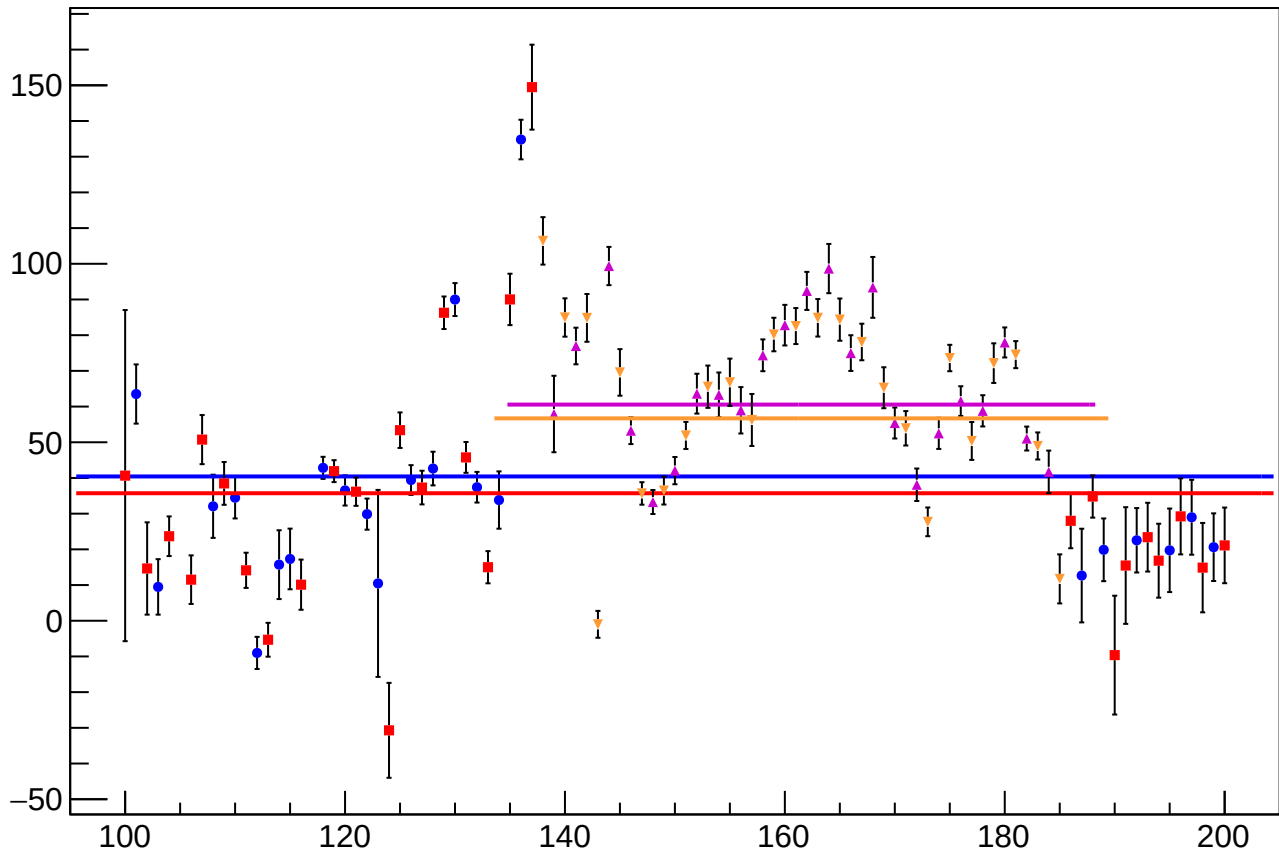
Left In: 176.272 ± 1.106 $\chi^2/\text{NDF}: 3169.5/22$

+ sign 189.918 ± 0.889 $\chi^2/\text{NDF}: 8701.9/47$

All: 196.764 ± 0.606 $\chi^2/\text{NDF}: 18746.7/98$

- sign 202.709 ± 0.829 $\chi^2/\text{NDF}: 9934.2/50$

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 40.426 ± 1.220 $\chi^2/\text{NDF}: 597.7/22$

Left Out: 56.695 ± 0.952 $\chi^2/\text{NDF}: 690.4/24$

Right Out: 35.719 ± 1.154 $\chi^2/\text{NDF}: 492.1/27$

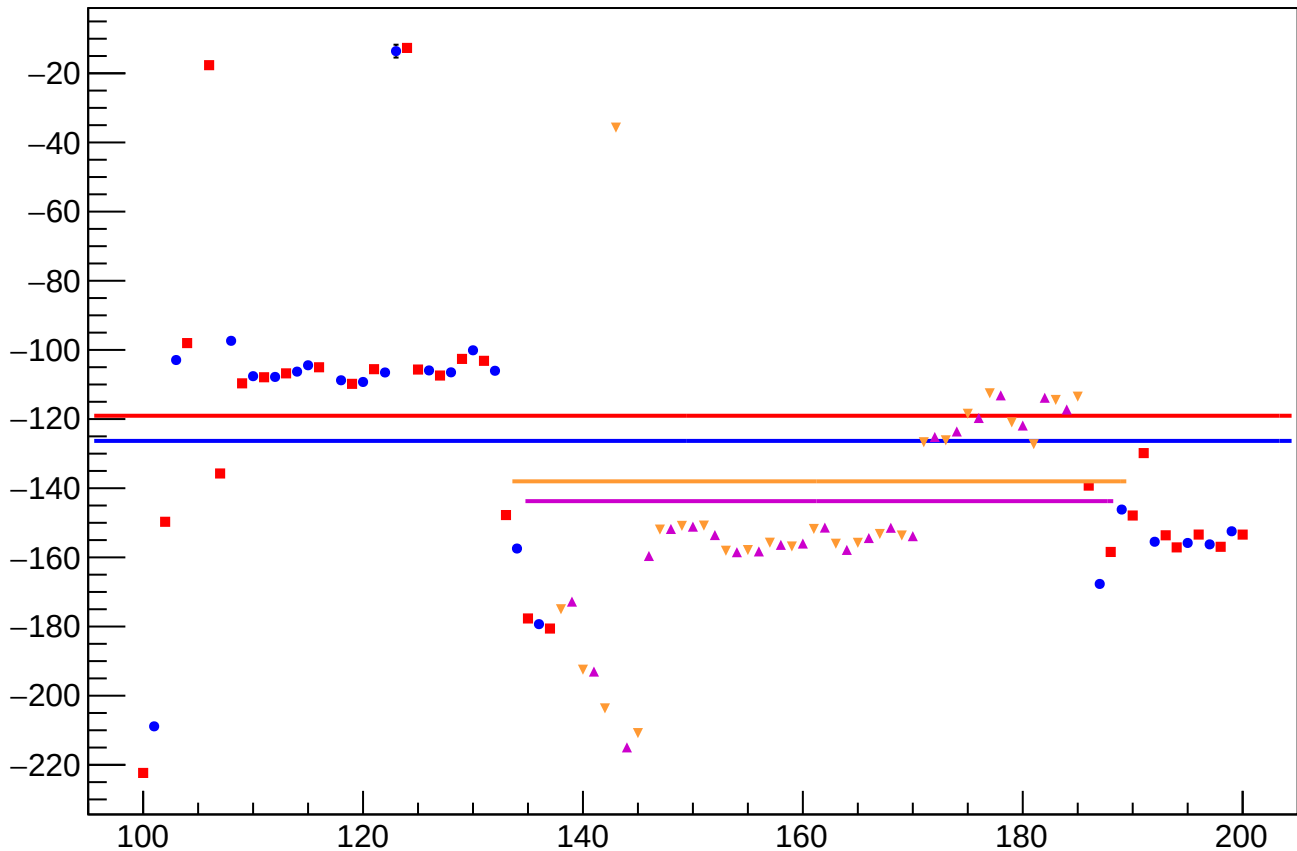
Left In: 60.555 ± 0.990 $\chi^2/\text{NDF}: 335.6/22$

+ sign 50.538 ± 0.750 $\chi^2/\text{NDF}: 1398.7/47$

All: 50.282 ± 0.531 $\chi^2/\text{NDF}: 2493.5/98$

- sign 50.025 ± 0.751 $\chi^2/\text{NDF}: 1094.5/50$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -126.313 ± 0.069 $\chi^2/\text{NDF}: 193627.5/22$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -119.039 ± 0.062 $\chi^2/\text{NDF}: 443966.4/27$

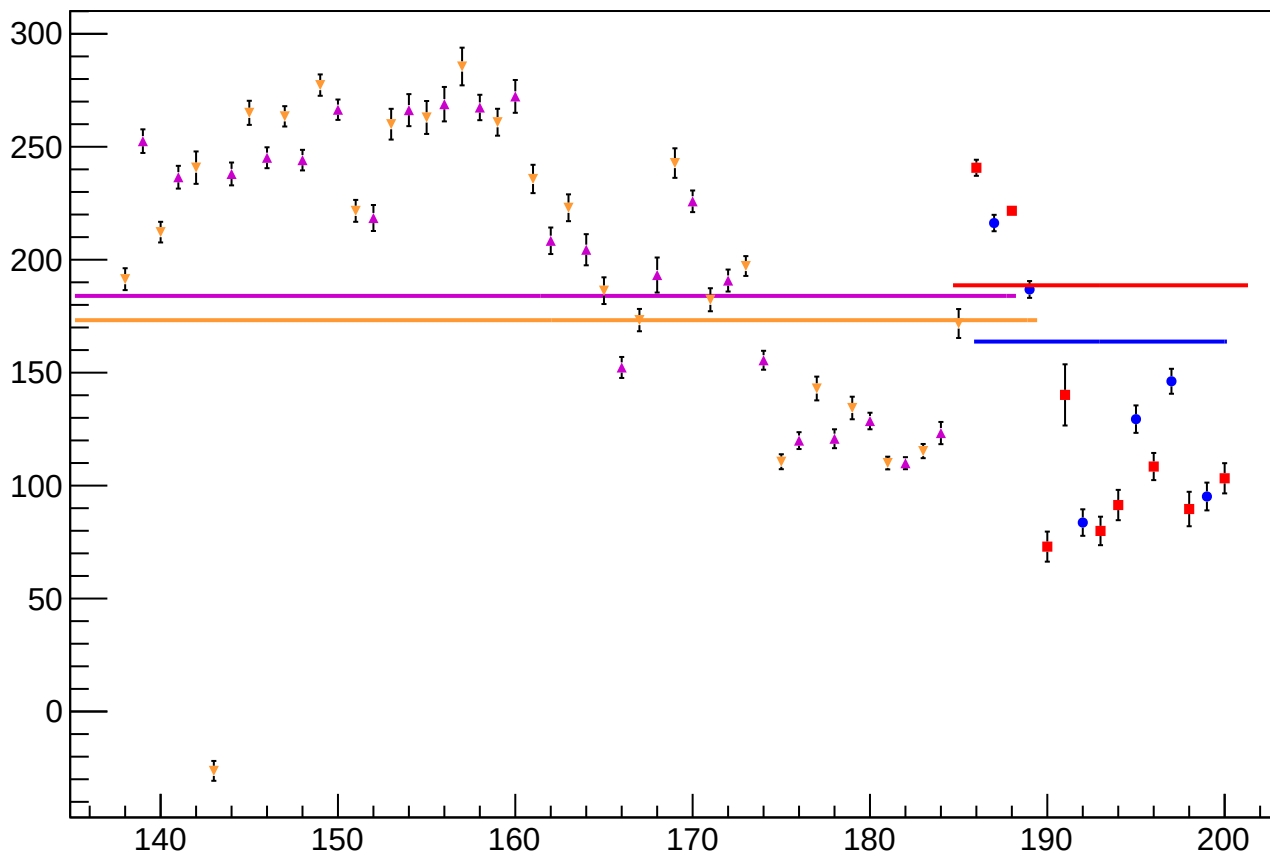
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -134.480 ± 0.038 $\chi^2/\text{NDF}: 779656.2/47$

All: -134.694 ± 0.026 $\chi^2/\text{NDF}: 1584784.6/98$

- sign -134.899 ± 0.037 $\chi^2/\text{NDF}: 805065.6/50$

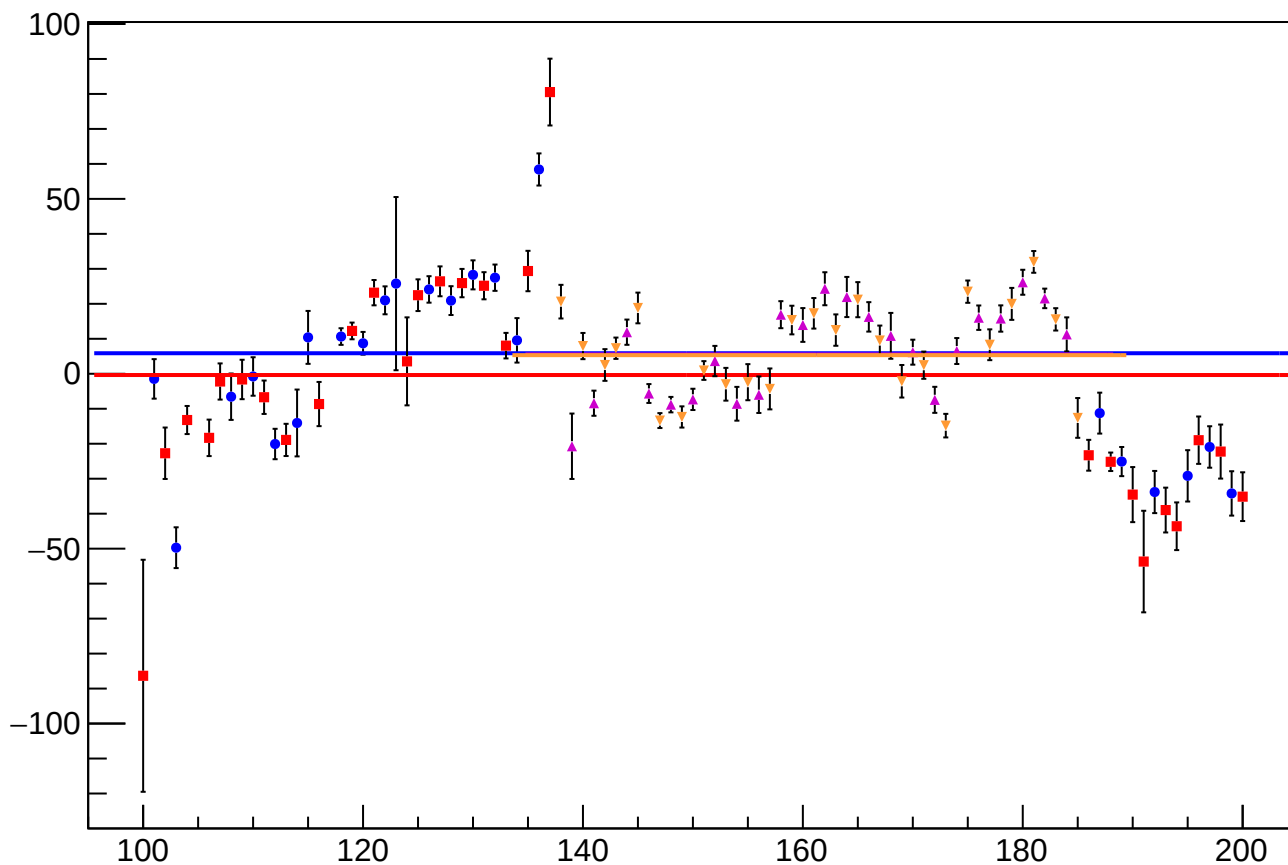
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 163.765 ± 1.948 $\chi^2/\text{NDF}: 600.3/5$
 Left Out: 173.229 ± 0.966 $\chi^2/\text{NDF}: 5846.0/24$
 Right Out: 188.676 ± 1.401 $\chi^2/\text{NDF}: 1859.5/8$
 Left In: 183.984 ± 0.991 $\chi^2/\text{NDF}: 3613.7/22$

+ sign 171.363 ± 0.865 $\chi^2/\text{NDF}: 6465.2/30$
 All: 178.931 ± 0.591 $\chi^2/\text{NDF}: 12089.2/62$
 - sign 185.549 ± 0.809 $\chi^2/\text{NDF}: 5480.6/31$

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.871 ± 0.976 χ^2/NDF : 577.9/22

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -0.358 ± 0.902 χ^2/NDF : 646.8/27

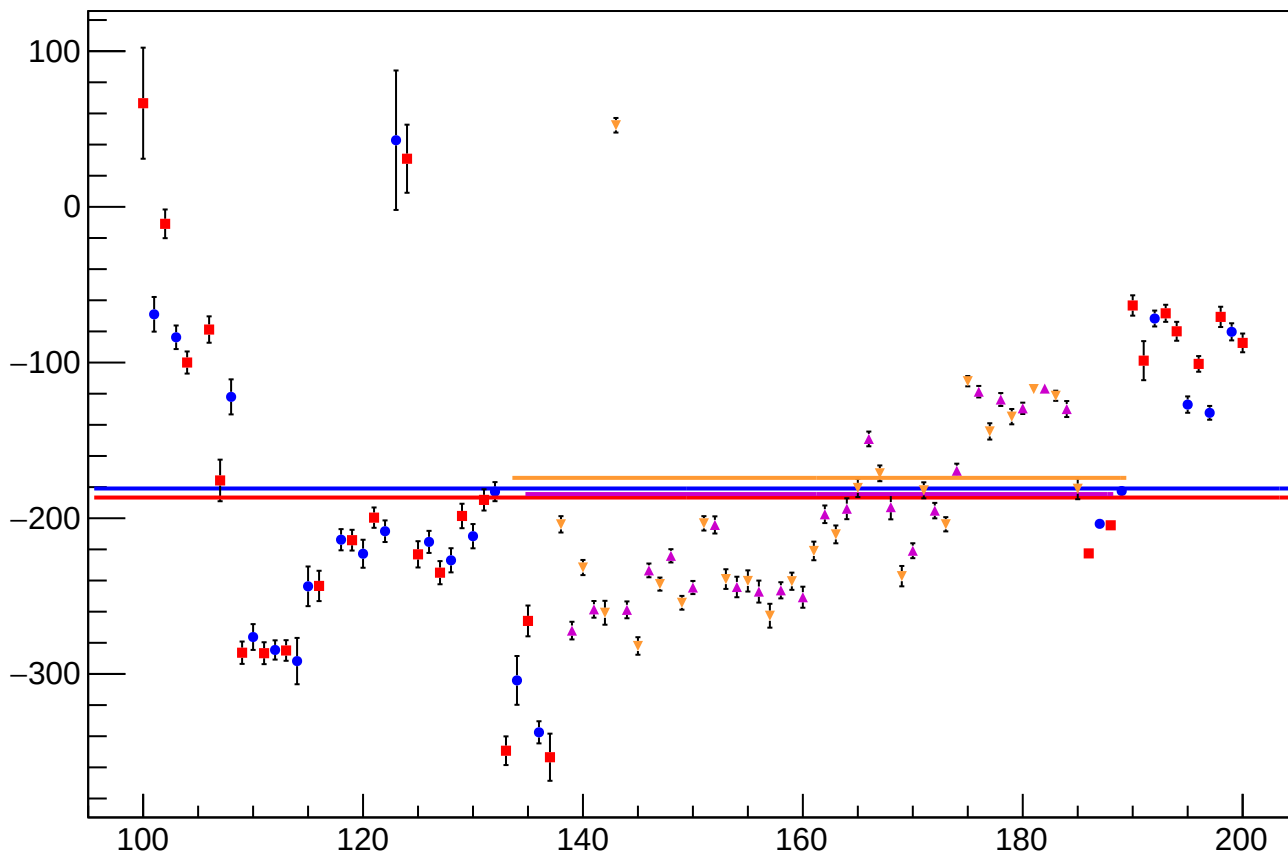
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 5.524 ± 0.593 χ^2/NDF : 923.6/47

All: 4.258 ± 0.418 χ^2/NDF : 1860.2/98

- sign 3.005 ± 0.590 χ^2/NDF : 927.5/50

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -180.883 ± 1.272 χ^2/NDF : 2569.3/22

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -186.693 ± 0.991 χ^2/NDF : 4417.0/27

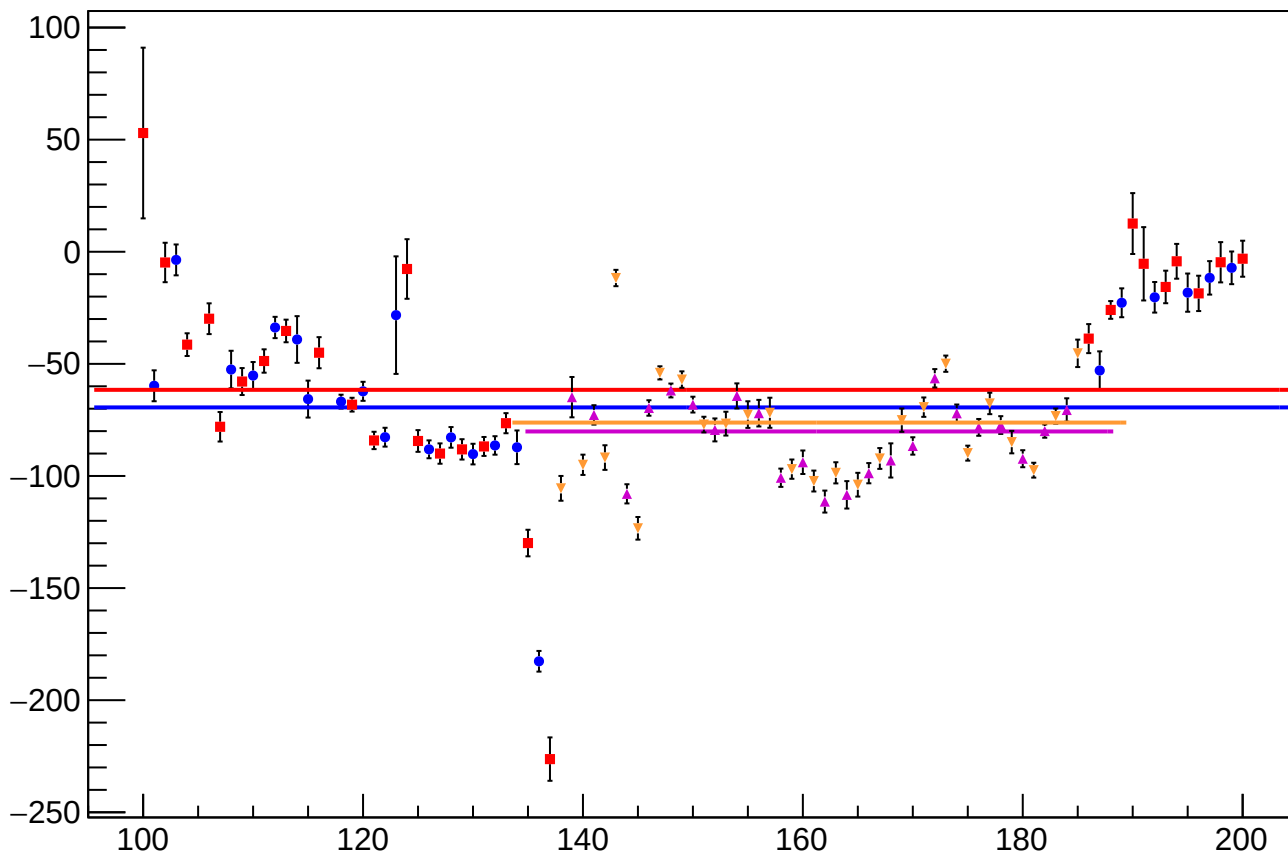
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -176.571 ± 0.772 χ^2/NDF : 8030.7/47

All: -181.508 ± 0.519 χ^2/NDF : 15576.4/98

- sign -185.575 ± 0.700 χ^2/NDF : 7471.1/50

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -69.421+/-1.146 χ^2/NDF : 1136.9/22

Left Out: -76.182+/-0.857 χ^2/NDF : 801.0/24

Right Out: -61.583+/-1.078 χ^2/NDF : 1106.5/27

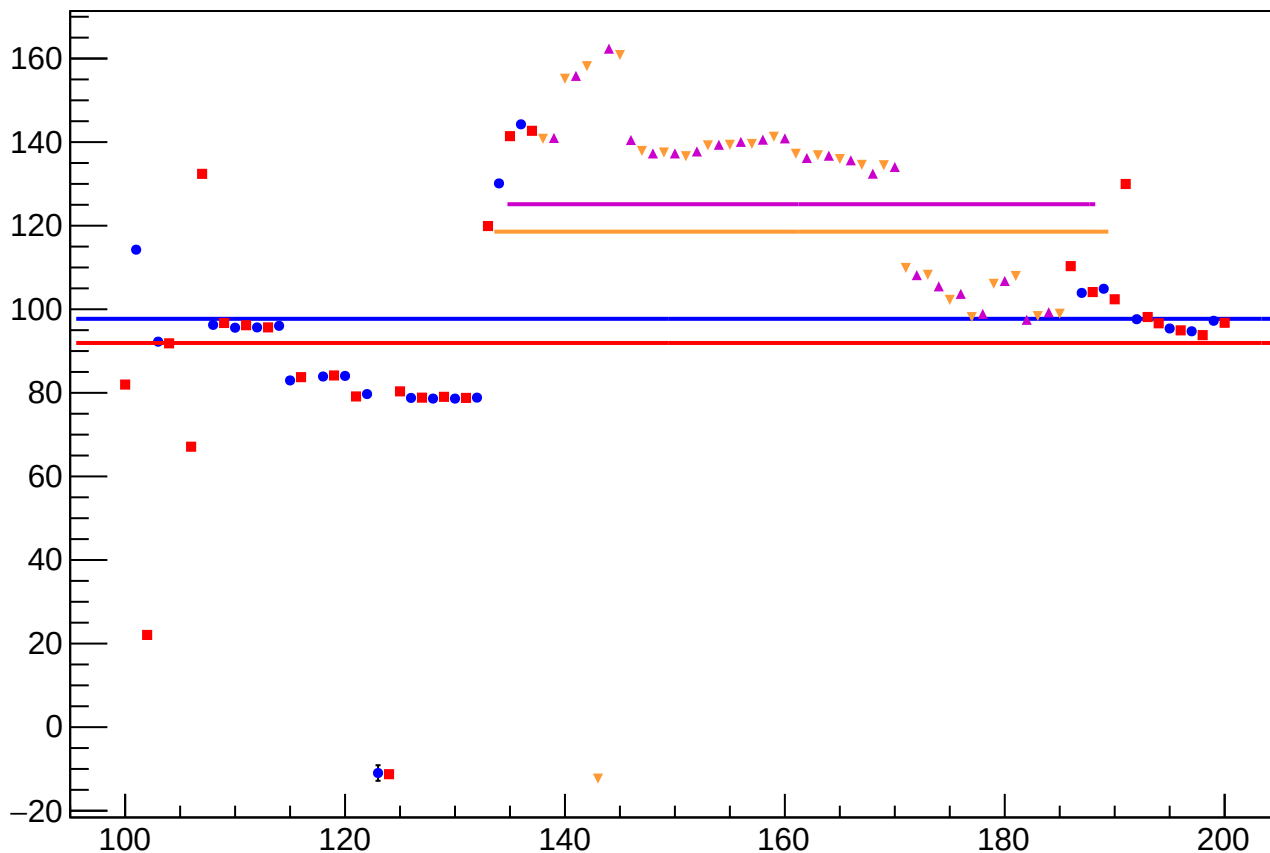
Left In: -80.149+/-0.889 χ^2/NDF : 283.3/22

+ sign -73.757+/-0.687 χ^2/NDF : 1960.2/47

All: -73.193+/-0.485 χ^2/NDF : 3528.0/98

- sign -72.630+/-0.686 χ^2/NDF : 1566.4/50

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.714 $\pm$ 0.061 χ^2 /NDF: 94847.2/22

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

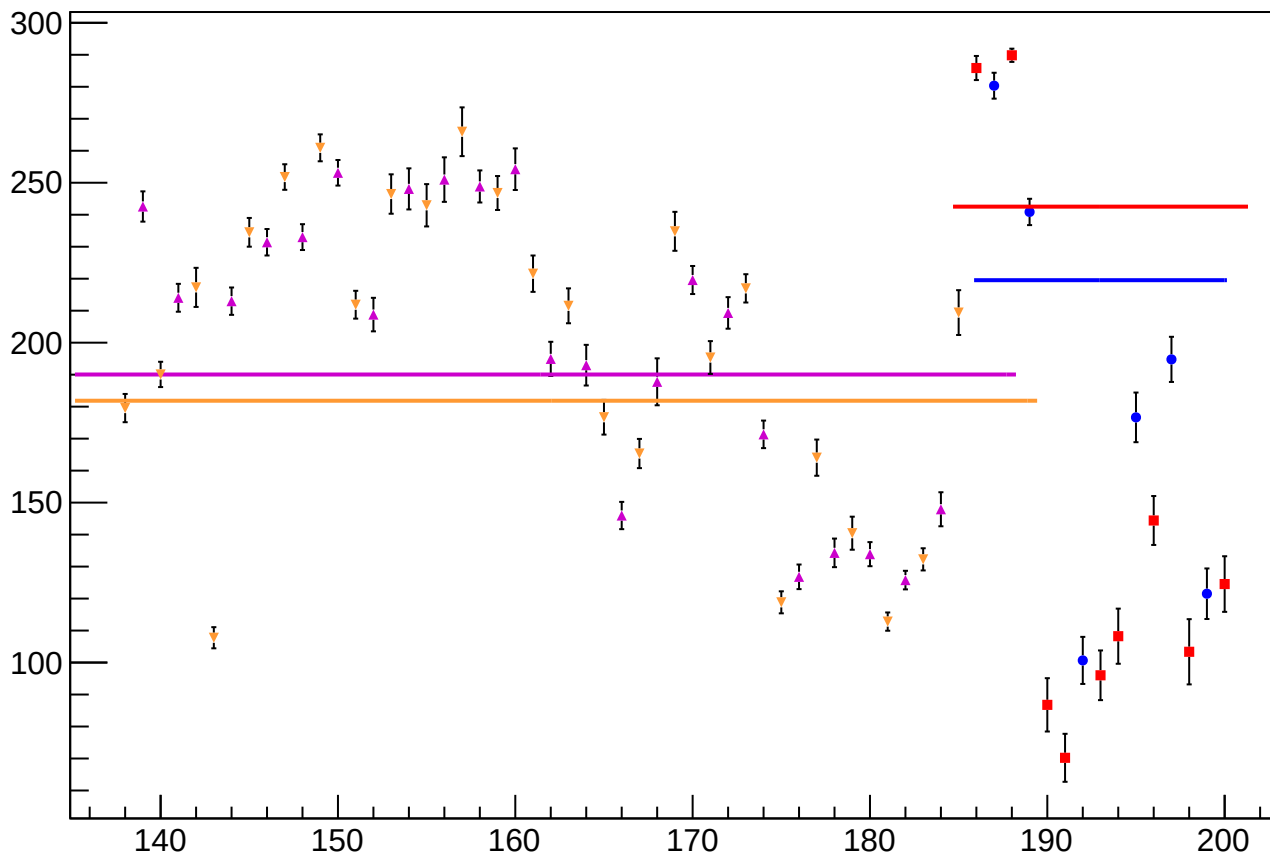
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 112.125 $\pm$ 0.034 χ^2 /NDF: 905491.8/47

All: 112.530 $\pm$ 0.023 χ^2 /NDF: 1605170.1/98

- 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: 219.532 $\pm$ 2.286 χ^2 /NDF: 710.2/5

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

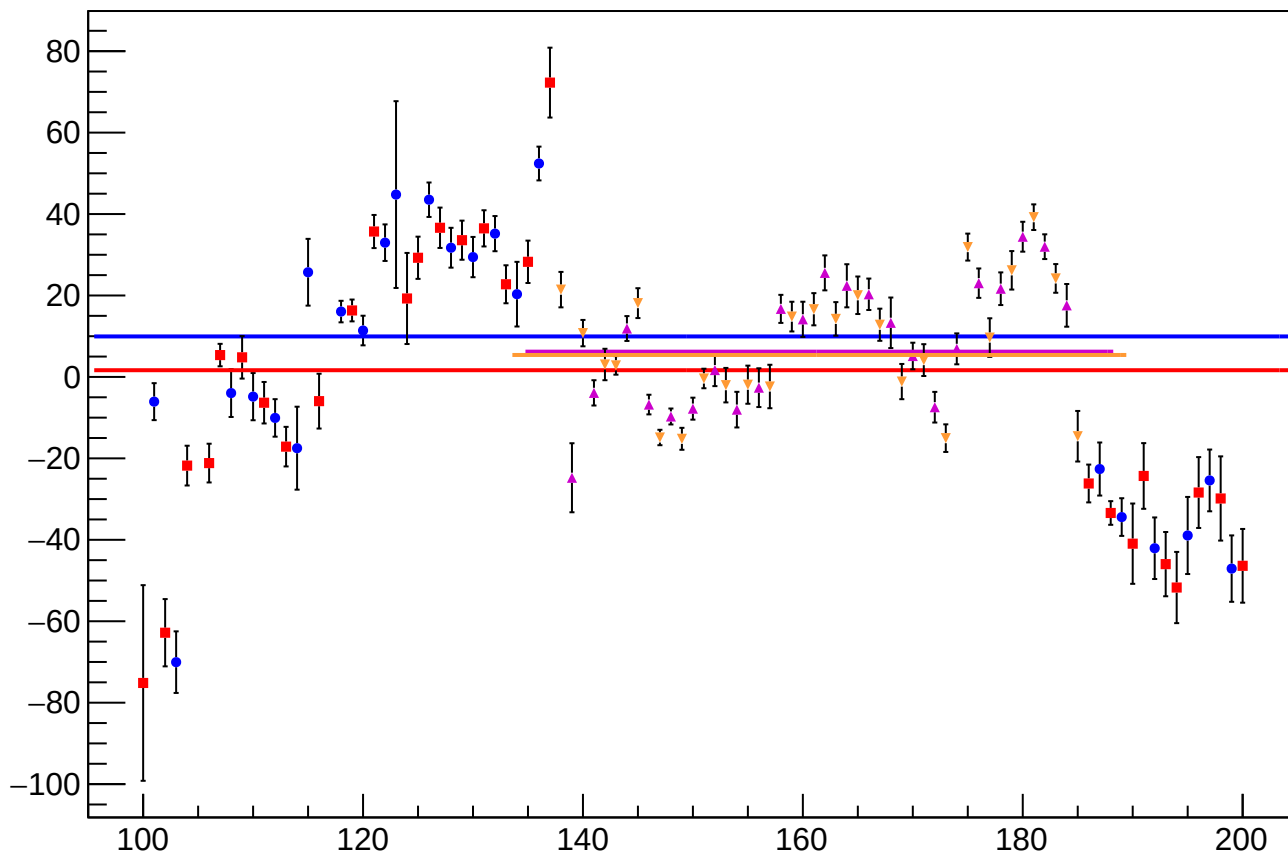
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF: 2438.4/22

+ sign 187.037 $\pm$ 0.848 χ^2 /NDF: 4247.9/30

All: 195.964 $\pm$ 0.587 χ^2 /NDF: 10383.3/62

- 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: 9.945 ± 1.076 χ^2/NDF : 701.1/22

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: 1.649 ± 0.952 χ^2/NDF : 872.5/27

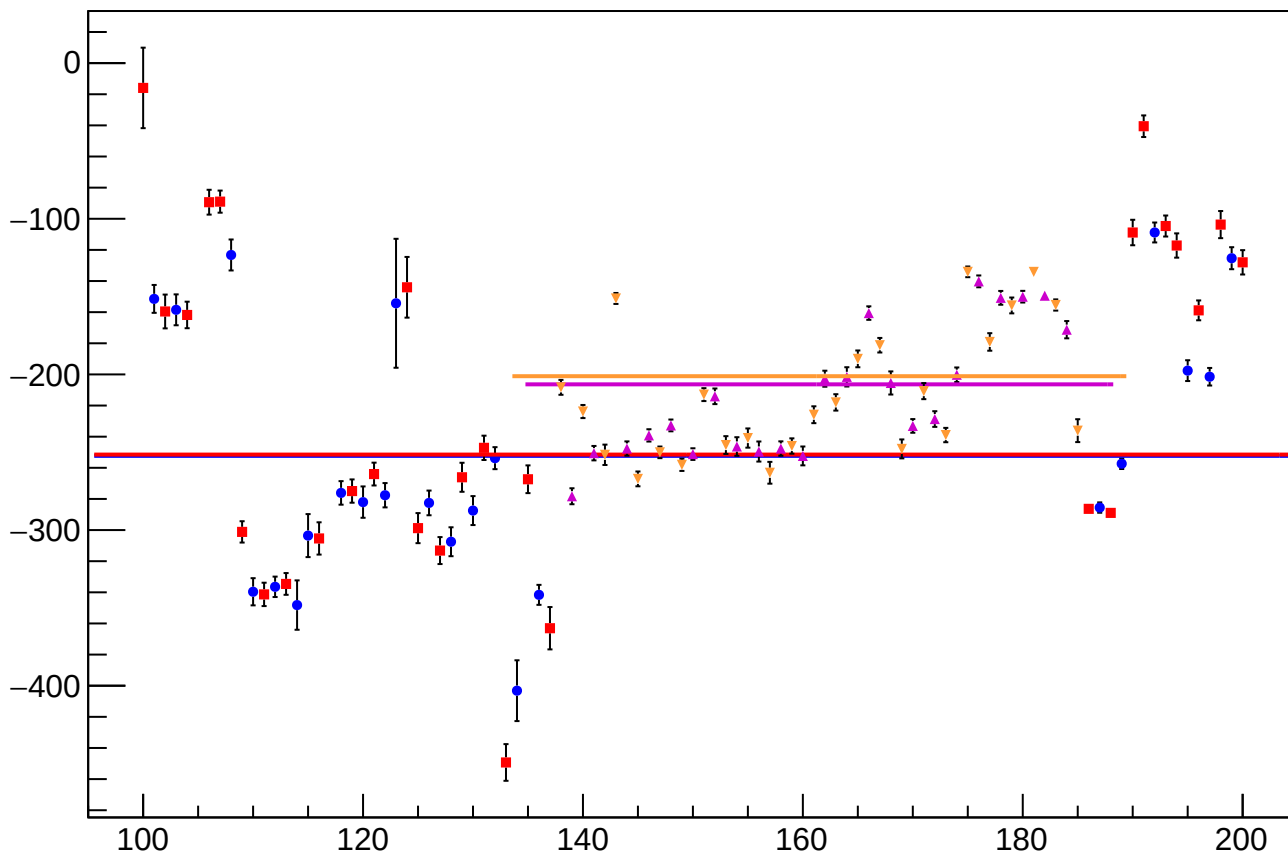
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 6.715 ± 0.580 χ^2/NDF : 1240.3/47

All: 5.615 ± 0.410 χ^2/NDF : 2542.0/98

- 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: -252.313 ± 1.439 $\chi^2/\text{NDF}: 2127.4/22$

Left Out: -201.144 ± 0.918 $\chi^2/\text{NDF}: 2488.8/24$

Right Out: -251.505 ± 1.087 $\chi^2/\text{NDF}: 5425.7/27$

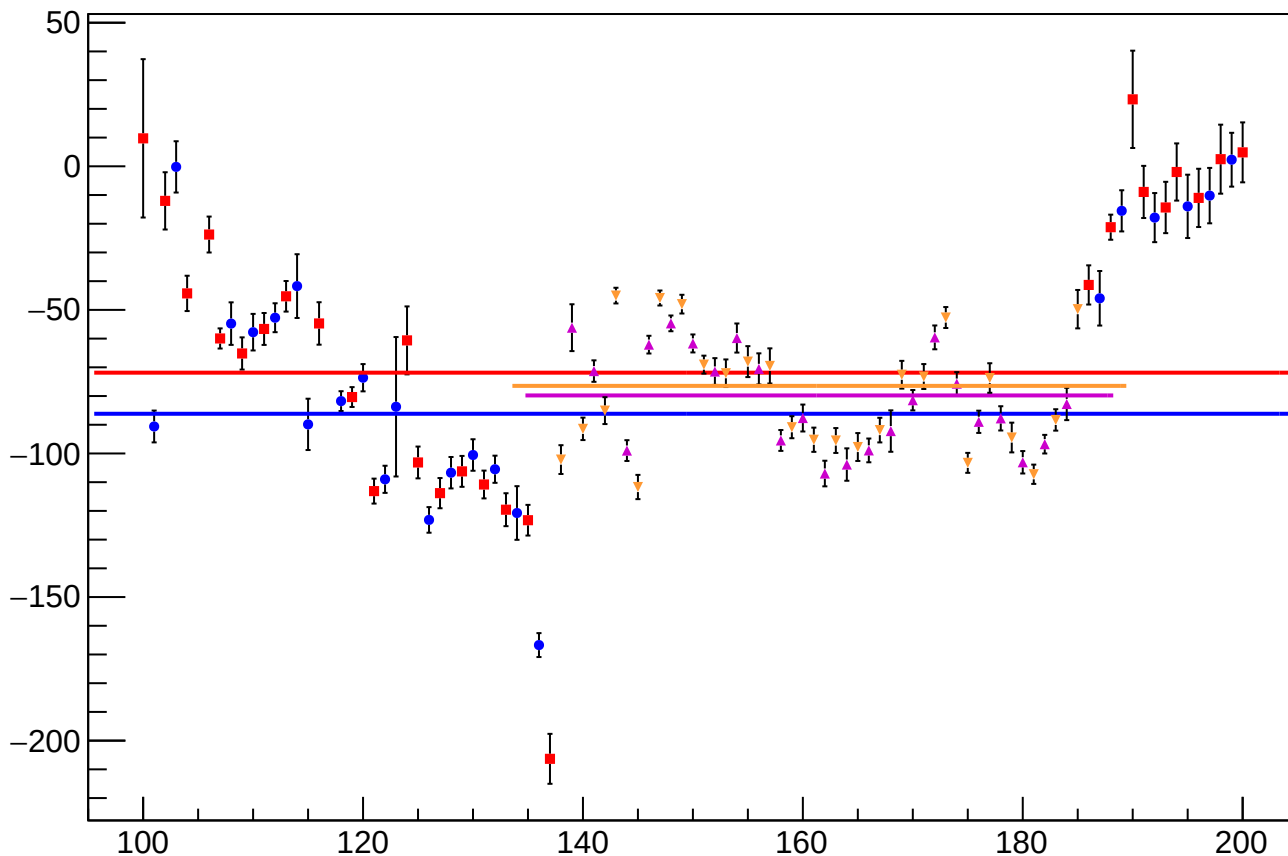
Left In: -206.379 ± 0.950 $\chi^2/\text{NDF}: 2111.6/22$

+ sign -215.943 ± 0.774 $\chi^2/\text{NDF}: 5515.1/47$

All: -221.313 ± 0.525 $\chi^2/\text{NDF}: 14118.7/98$

- sign -225.901 ± 0.715 $\chi^2/\text{NDF}: 8514.3/50$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -86.176 ± 1.261 χ^2/NDF : 1090.6/22

Left Out: -76.460 ± 0.797 χ^2/NDF : 781.3/24

Right Out: -71.863 ± 1.140 χ^2/NDF : 1327.1/27

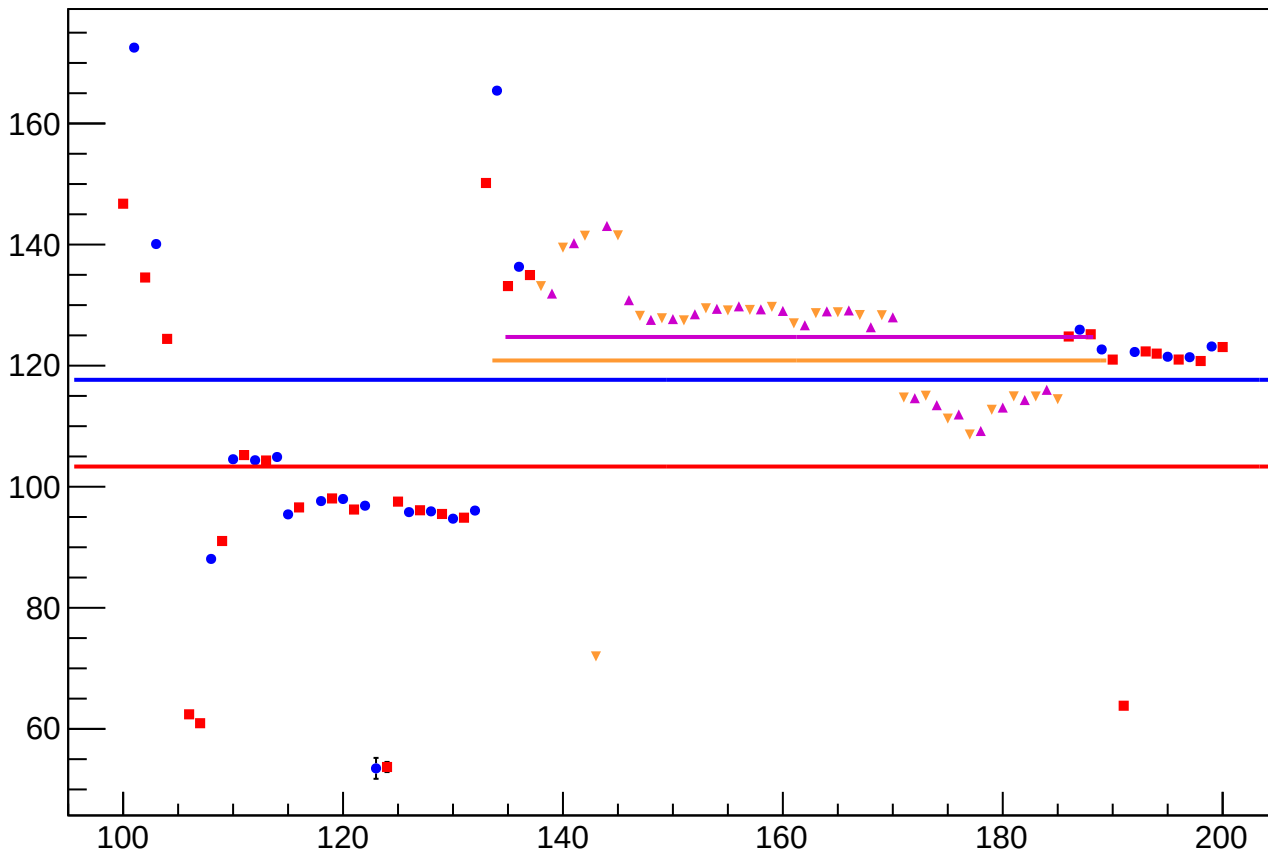
Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

+ sign -79.230 ± 0.674 χ^2/NDF : 1914.3/47

All: -78.122 ± 0.477 χ^2/NDF : 3690.5/98

- sign -77.004 ± 0.676 χ^2/NDF : 1770.7/50

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.661 $\pm$ 0.068 χ^2 /NDF: 107511.2/22

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF:182759.1/24

Right Out: 103.336 $\pm$ 0.057 χ^2 /NDF: 232787.8/27

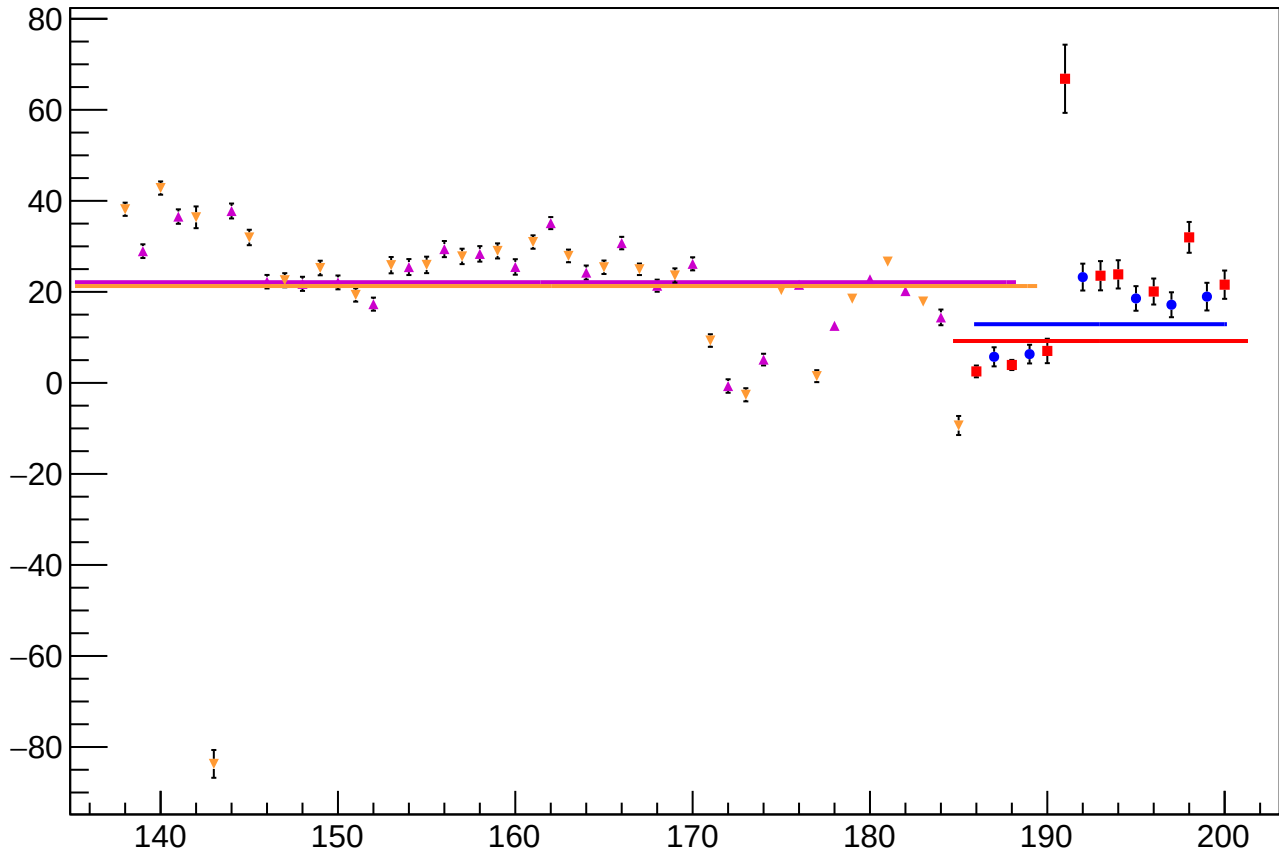
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

+ sign 120.087 $\pm$ 0.033 χ^2 /NDF: 291964.7/47

All: 118.934 $\pm$ 0.023 χ^2 /NDF: 674241.7/98

- sign 117.840 $\pm$ 0.032 χ^2 /NDF: 379921.6/50

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 12.896+/-1.022 χ^2/NDF : 45.0/5

Left Out: 21.282+/-0.282 χ^2/NDF : 2600.5/24

Right Out: 9.206+/-0.695 χ^2/NDF : 226.5/8

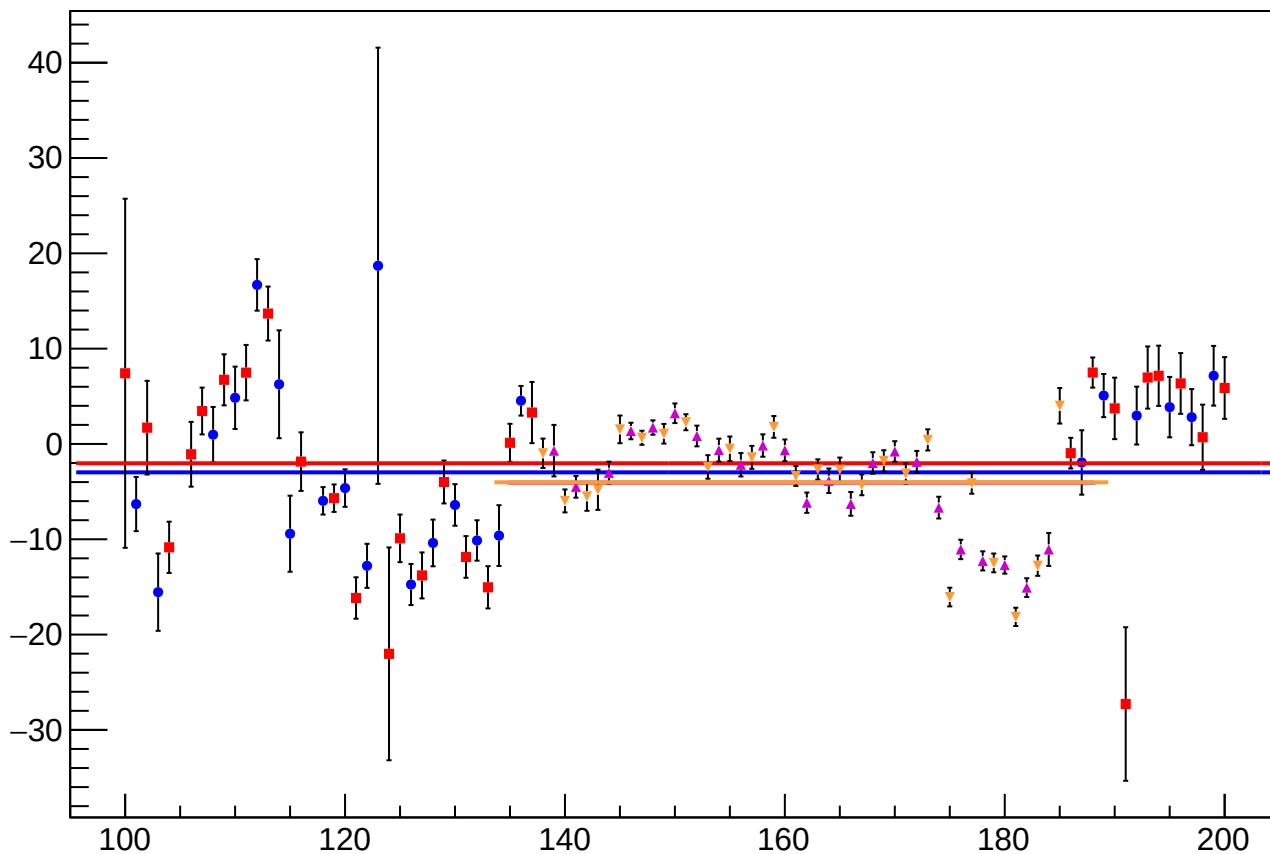
Left In: 22.127+/-0.285 χ^2/NDF : 900.2/22

+ sign 20.686+/-0.272 χ^2/NDF : 2708.1/30

All: 20.466+/-0.190 χ^2/NDF : 4132.3/62

- sign 20.259+/-0.264 χ^2/NDF : 1422.9/31

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -2.979 ± 0.528 χ^2/NDF : 216.6/22

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -2.028 ± 0.483 χ^2/NDF : 293.3/27

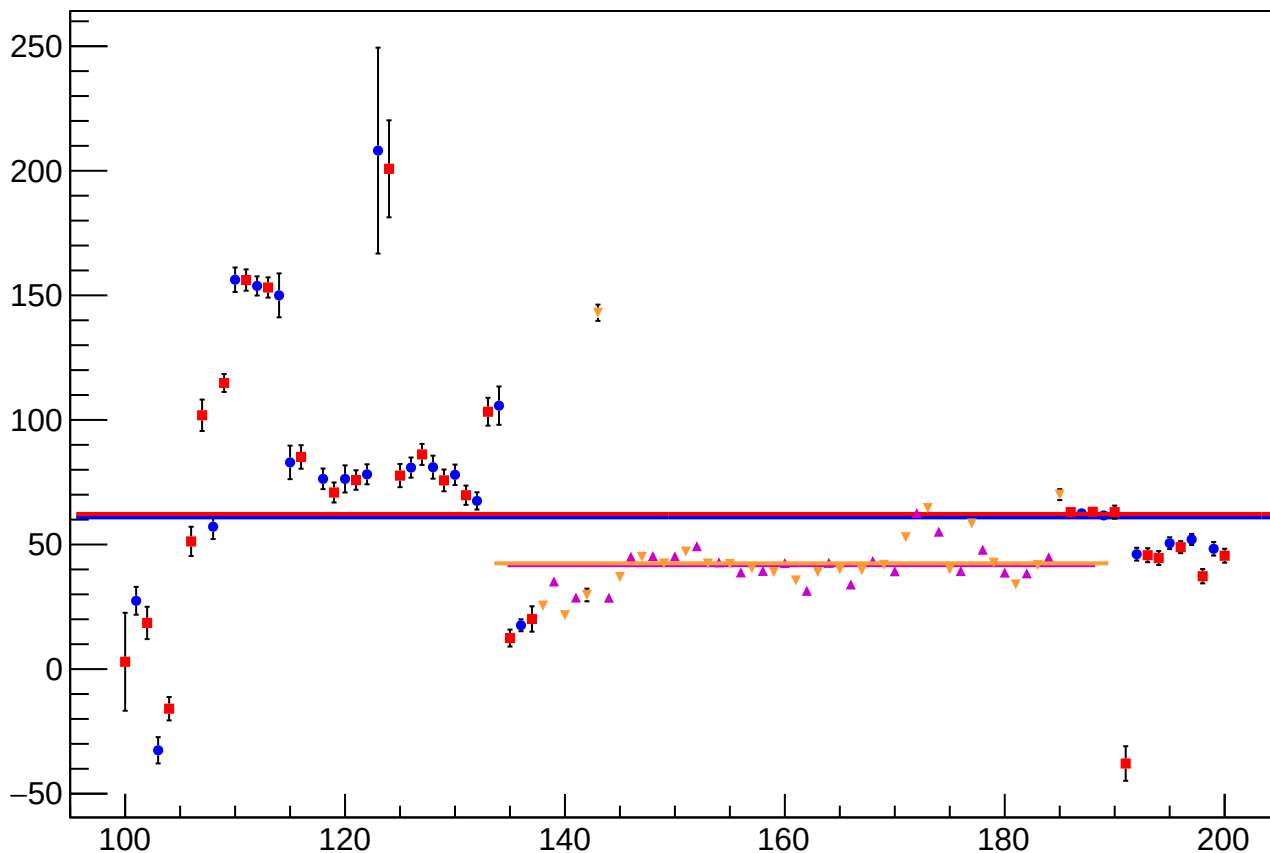
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.864 ± 0.206 χ^2/NDF : 954.0/47

All: -3.776 ± 0.146 χ^2/NDF : 1839.4/98

- 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: 60.895 $\pm$ 0.678 χ^2 /NDF: 1989.6/22

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

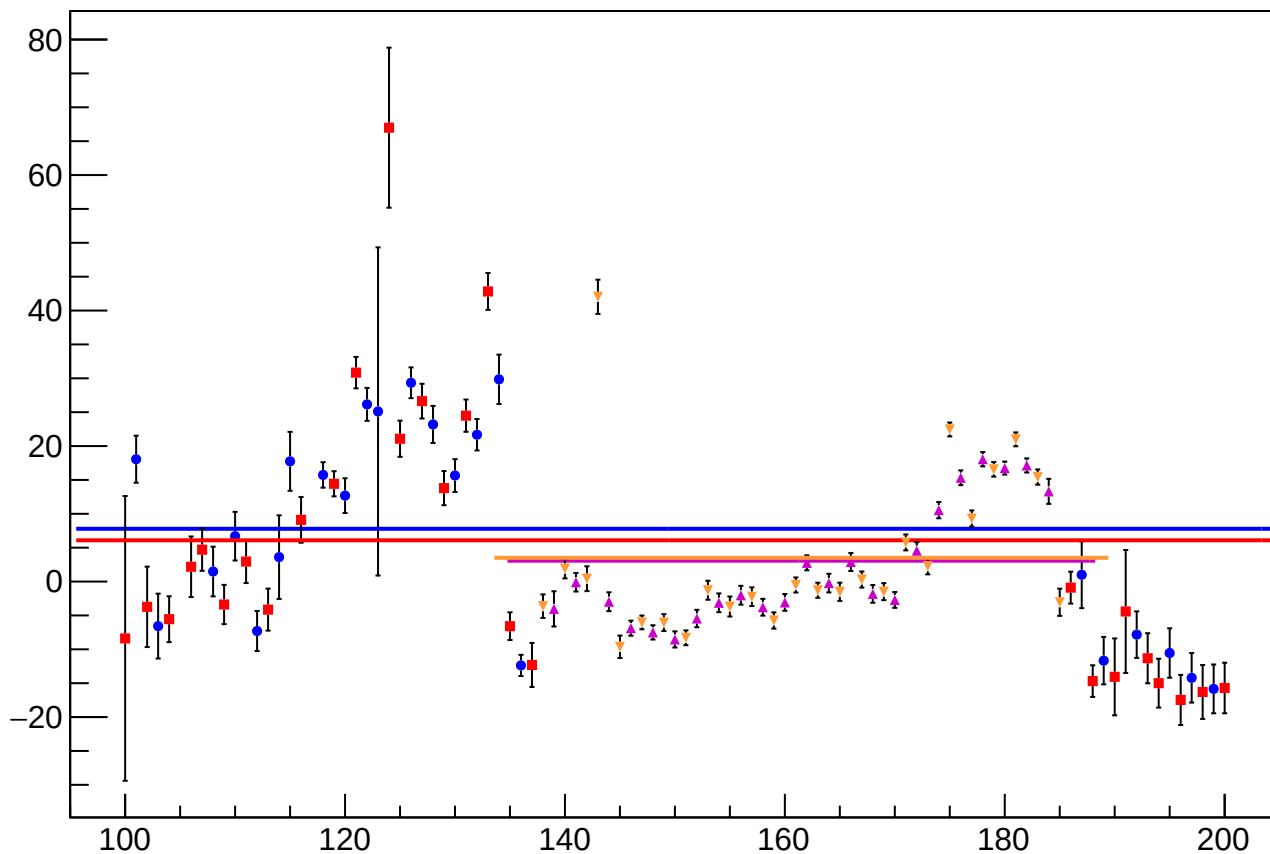
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 45.173 $\pm$ 0.260 χ^2 /NDF: 4636.9/47

All: 45.920 $\pm$ 0.180 χ^2 /NDF: 9007.0/98

- 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: 7.791 $\pm$ 0.611 χ^2/NDF : 661.2/22

Left Out: 3.505 $\pm$ 0.252 χ^2/NDF :1691.3/24

Right Out: 6.091 $\pm$ 0.575 χ^2/NDF : 882.4/27

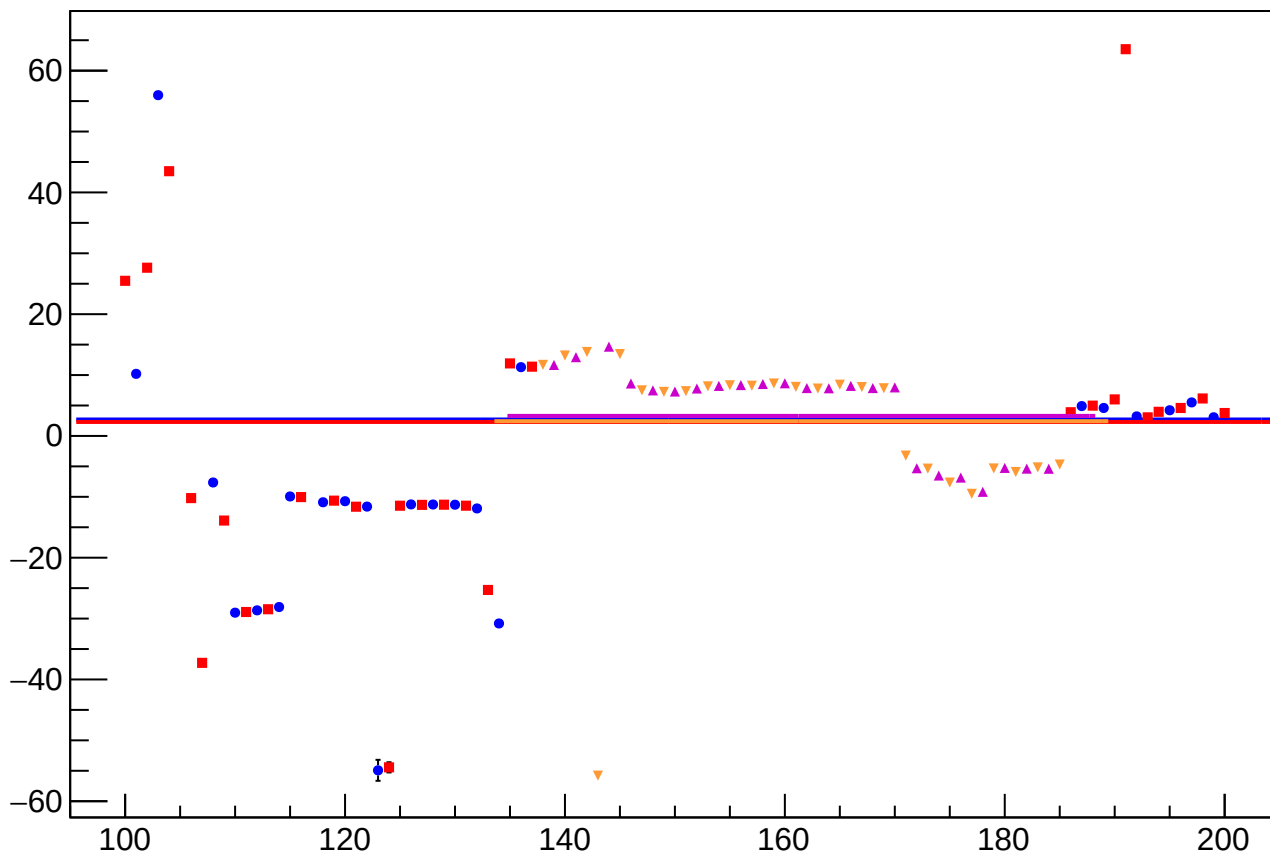
Left In: 3.081 $\pm$ 0.257 χ^2/NDF :1265.7/22

+ sign 4.130 $\pm$ 0.233 χ^2/NDF : 2394.6/47

All: 3.858 $\pm$ 0.165 χ^2/NDF : 4568.3/98

- sign 3.583 $\pm$ 0.235 χ^2/NDF : 2170.9/50

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.700 $\pm$ 0.030 χ^2 /NDF: 359200.5/22

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

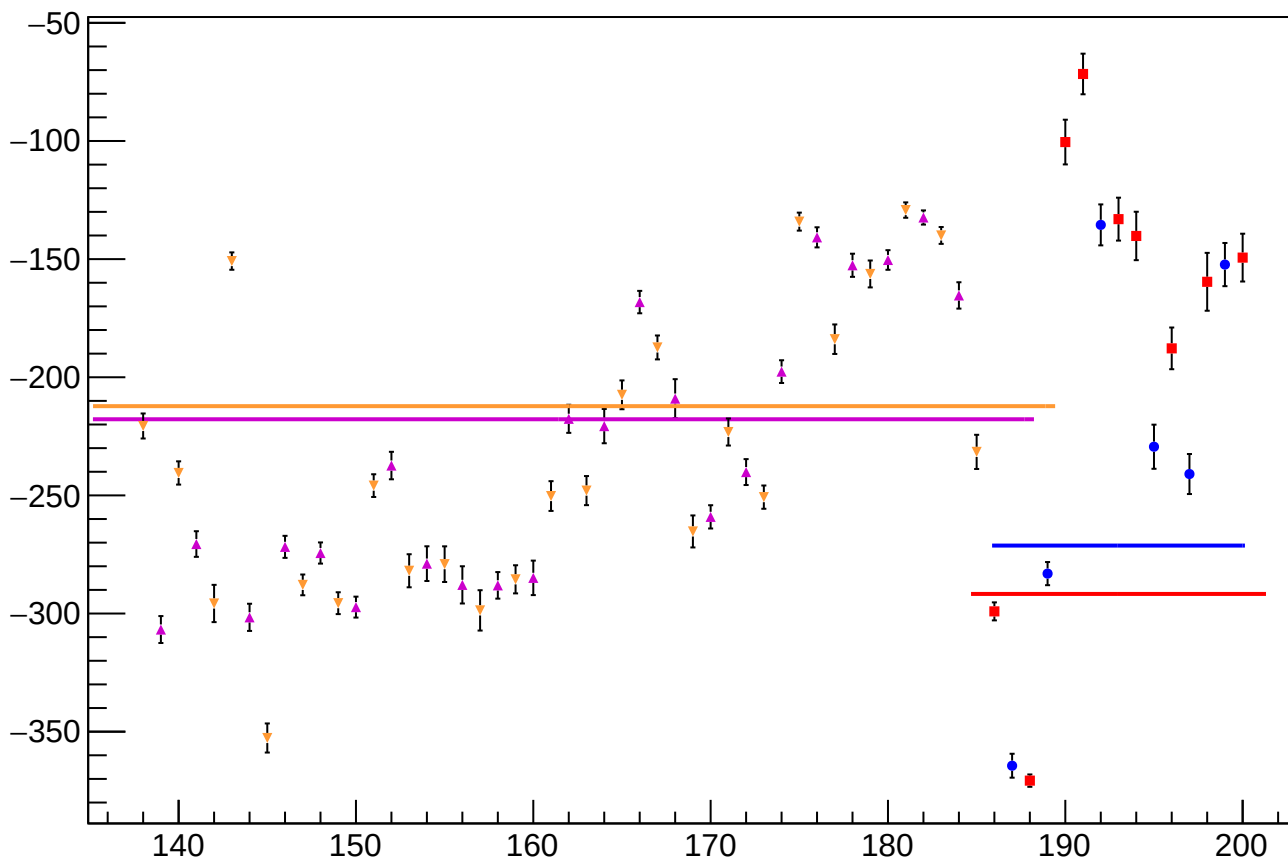
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.461 $\pm$ 0.011 χ^2 /NDF: 975656.0/47

All: 2.804 $\pm$ 0.008 χ^2 /NDF: 1814004.8/98

- 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: -271.238 ± 2.759 χ^2/NDF : 792.0/5

Left Out: -212.231 ± 1.029 χ^2/NDF : 3875.4/24

Right Out: -291.708 ± 1.854 χ^2/NDF : 2959.7/8

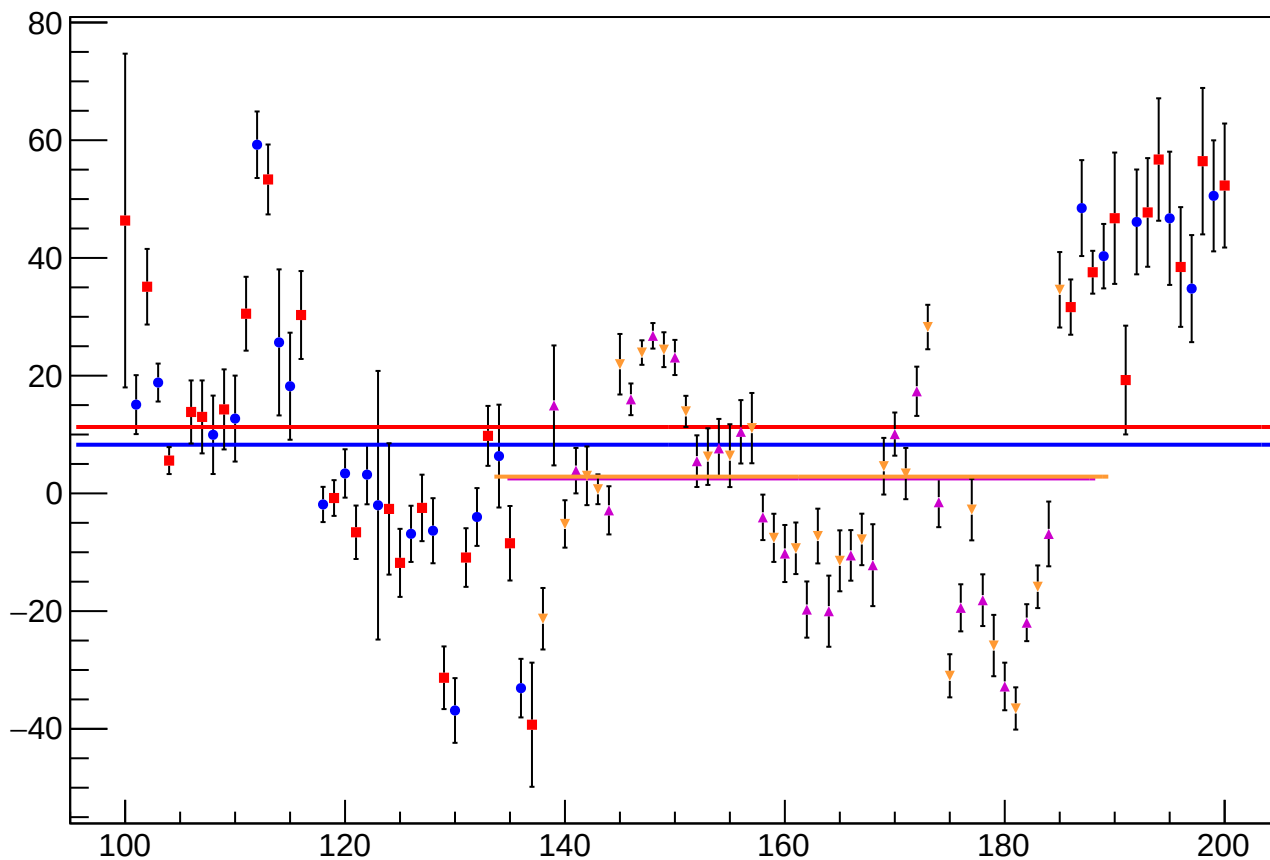
Left In: -217.779 ± 1.067 χ^2/NDF : 3448.9/22

+ sign -219.442 ± 0.964 χ^2/NDF : 5068.9/30

All: -228.161 ± 0.667 χ^2/NDF : 12829.3/62

- 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: 8.269 ± 1.165 χ^2/NDF : 388.3/22

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 11.279 ± 1.036 χ^2/NDF : 411.6/27

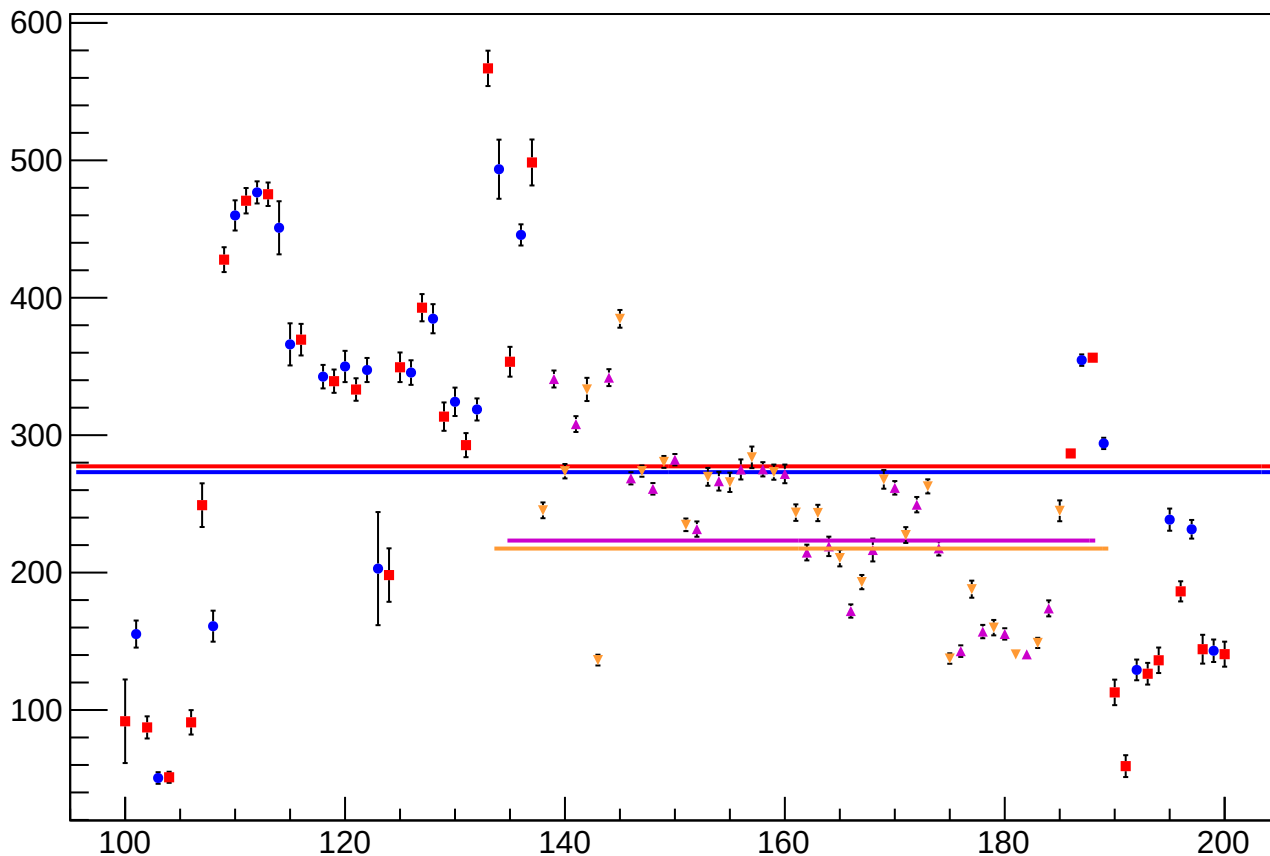
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 4.509 ± 0.645 χ^2/NDF : 985.4/47

All: 5.215 ± 0.456 χ^2/NDF : 1916.7/98

- 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: 273.089 $\pm$ 1.598 χ^2 /NDF: 6175.1/22

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

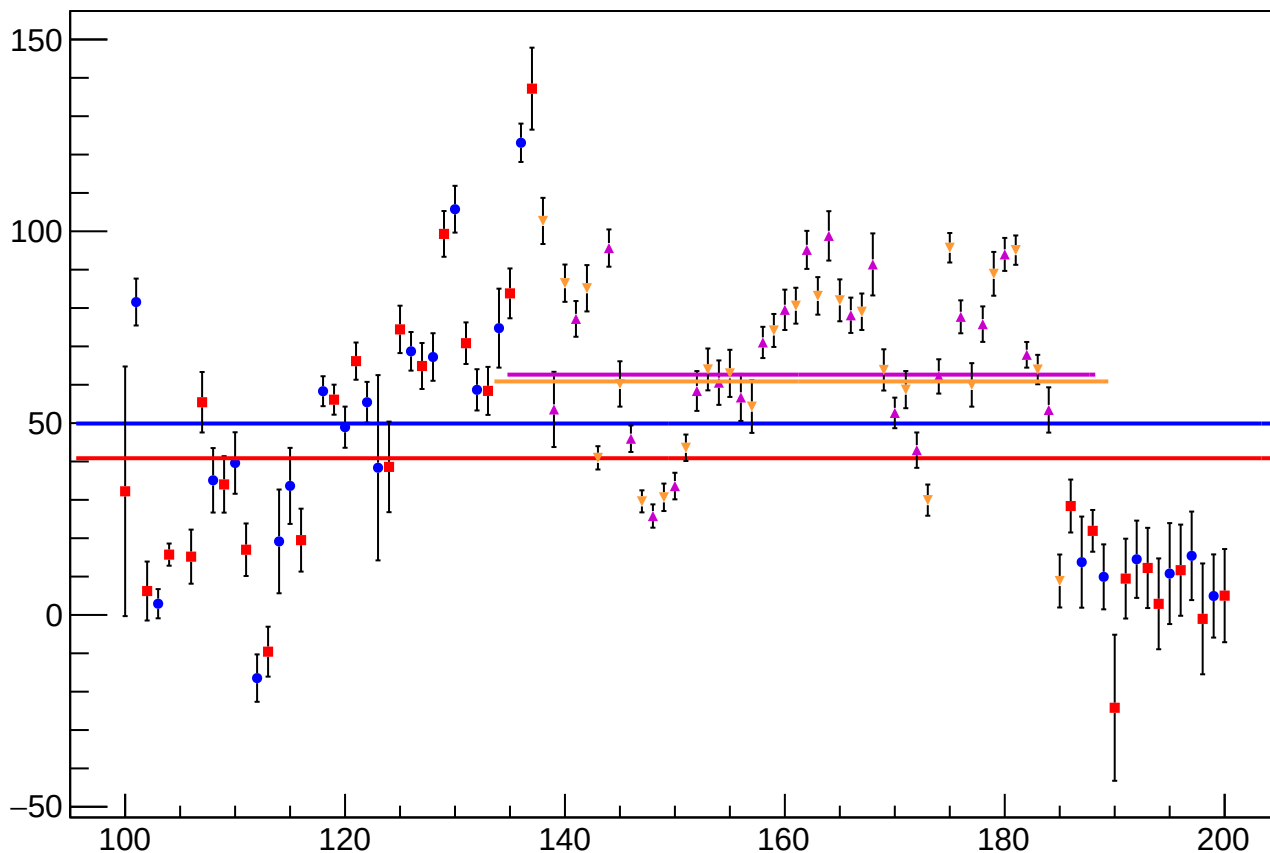
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 233.864 $\pm$ 0.867 χ^2 /NDF: 10799.2/47

All: 240.581 $\pm$ 0.590 χ^2 /NDF: 25562.8/98

- 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: 49.897 ± 1.368 χ^2/NDF : 720.7/22

Left Out: 60.863 ± 0.897 χ^2/NDF : 731.6/24

Right Out: 40.850 ± 1.247 χ^2/NDF : 617.3/27

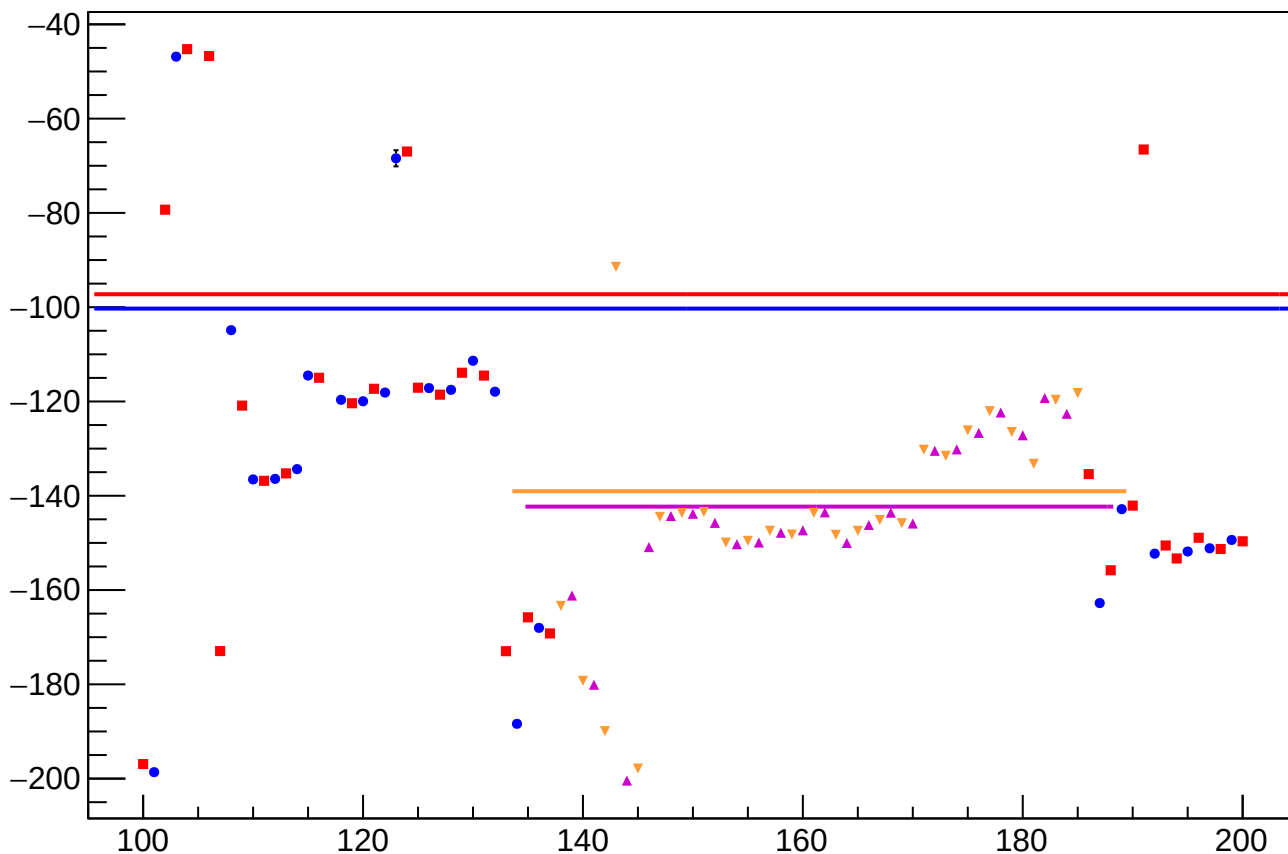
Left In: 62.640 ± 0.943 χ^2/NDF : 515.4/22

+ sign 57.567 ± 0.750 χ^2/NDF : 1497.3/47

All: 56.145 ± 0.531 χ^2/NDF : 2831.4/98

- 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: -100.299 ± 0.062 χ^2/NDF : 656539.6/22

Left Out: -139.040 ± 0.043 χ^2/NDF : 258113.4/24

Right Out: -97.256 ± 0.057 χ^2/NDF : 703687.3/27

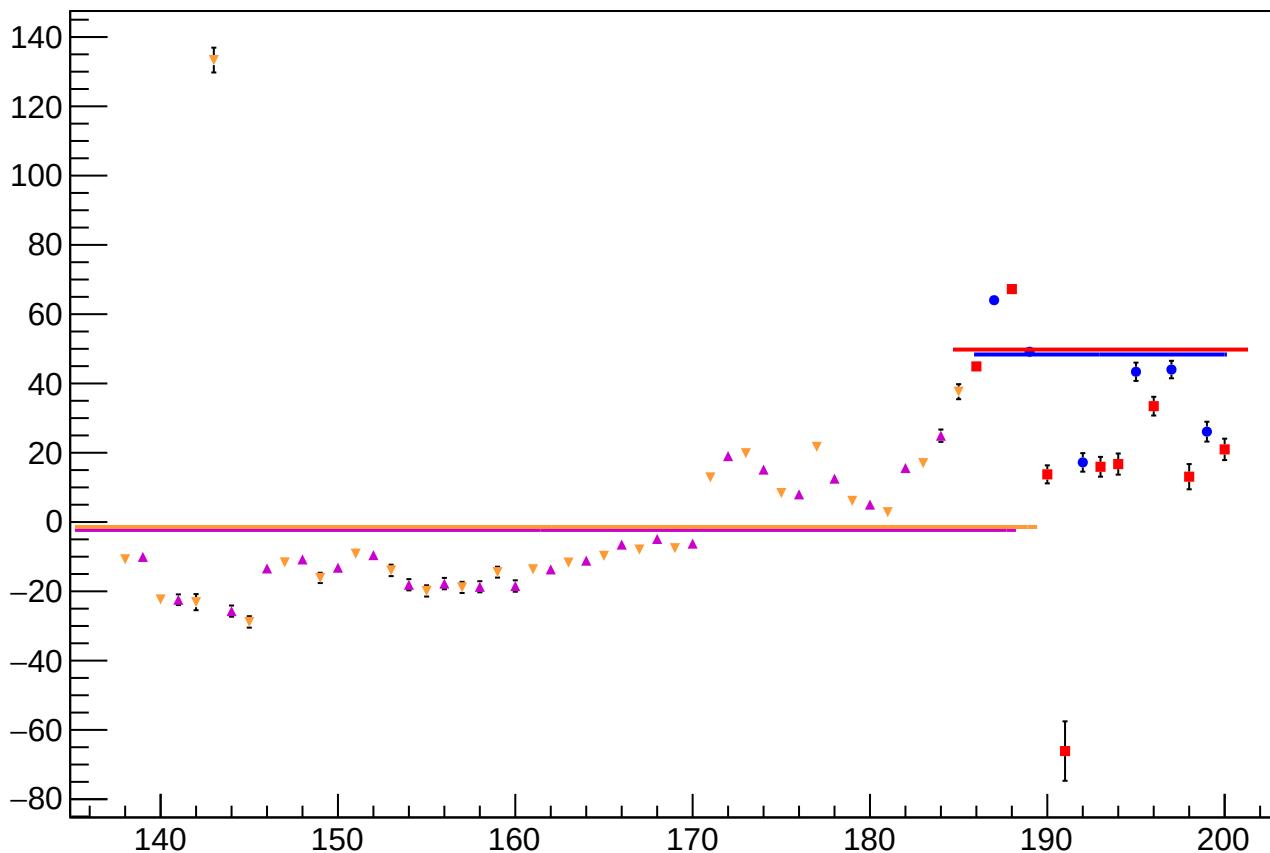
Left In: -142.305 ± 0.044 χ^2/NDF : 143351.8/22

+ sign -126.560 ± 0.035 χ^2/NDF : 1177728.2/47

All: -126.016 ± 0.025 χ^2/NDF : 2415262.7/98

- 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: 48.366 $\pm$ 0.804 χ^2 /NDF: 329.2/5

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

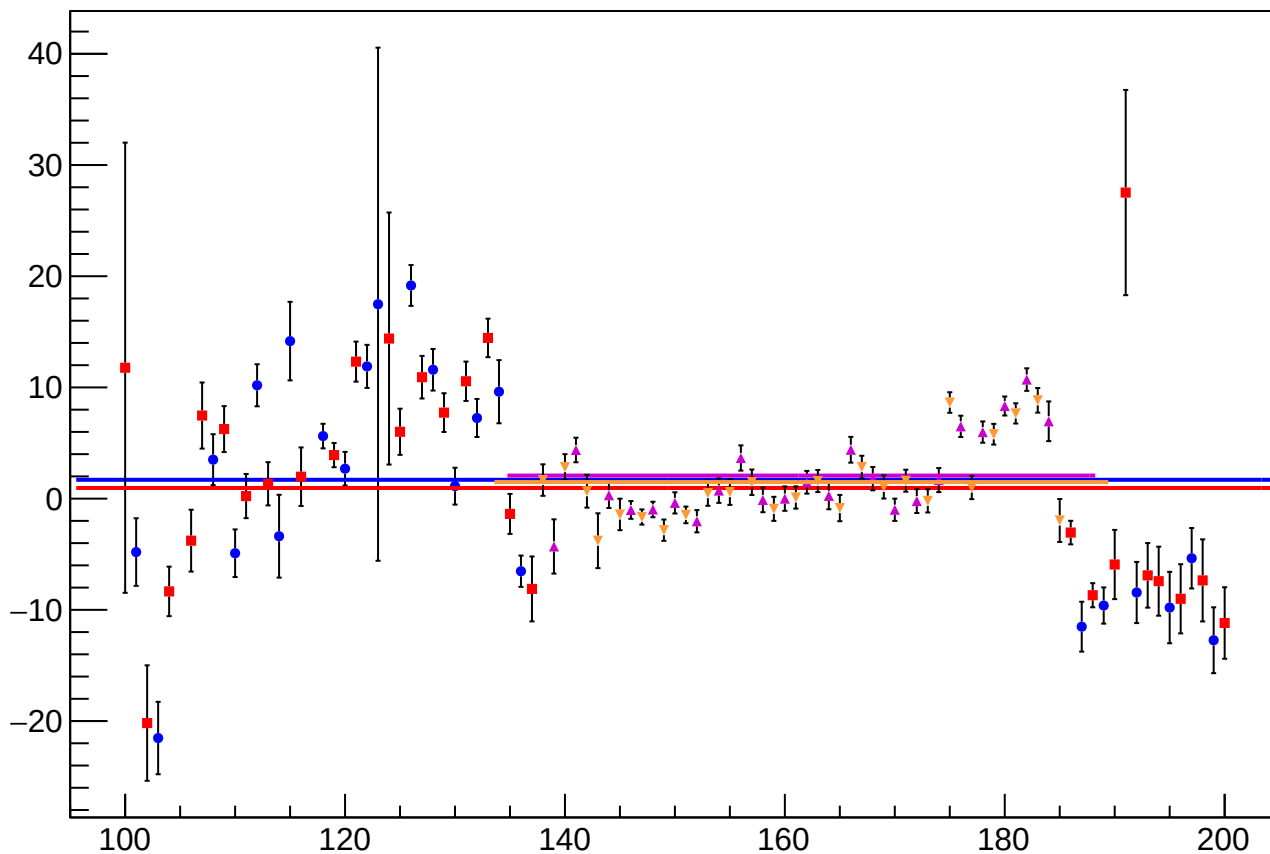
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 3.545 $\pm$ 0.254 χ^2 /NDF: 8125.0/30

All: 6.355 $\pm$ 0.174 χ^2 /NDF: 20183.2/62

- 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: 1.695 ± 0.425 χ^2/NDF : 452.3/22

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: 0.957 ± 0.383 χ^2/NDF : 398.0/27

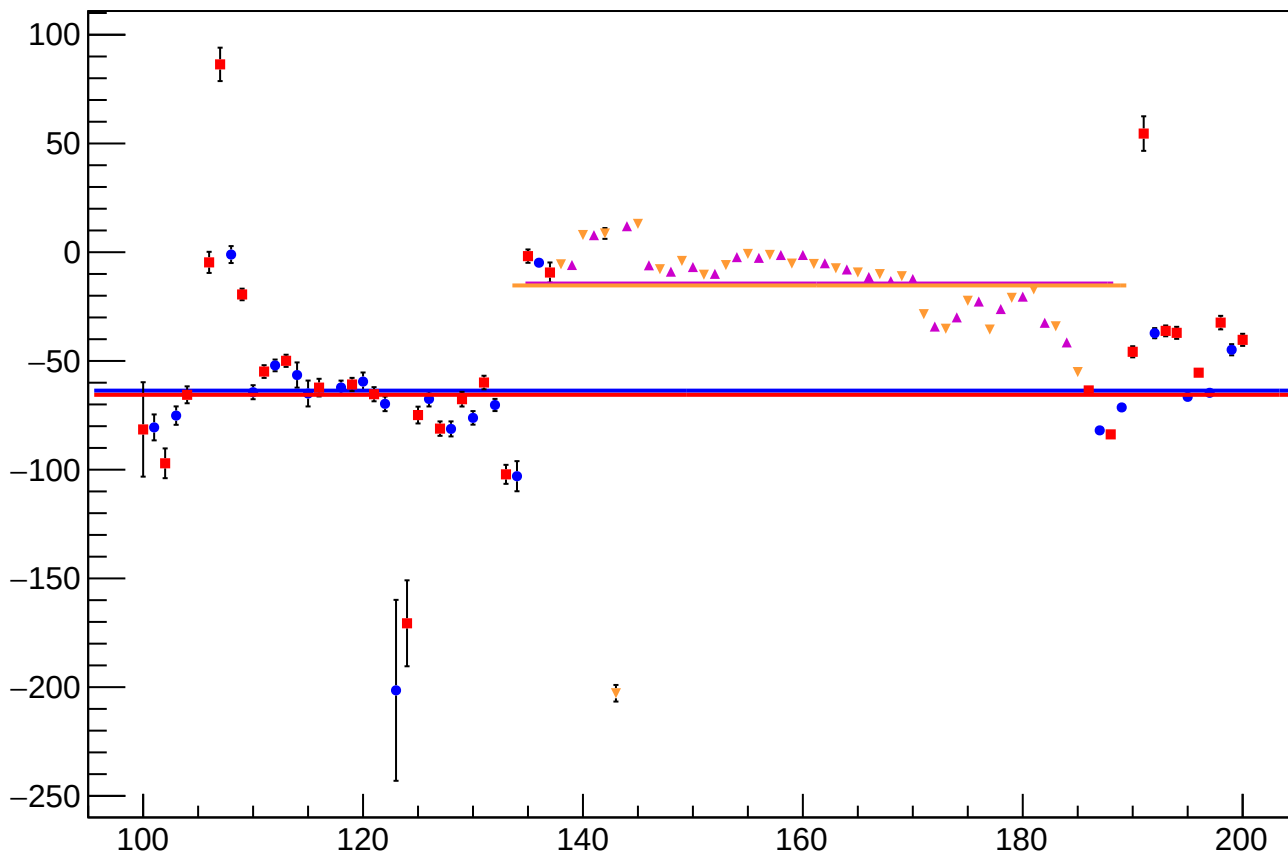
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.531 ± 0.189 χ^2/NDF : 711.6/47

All: 1.669 ± 0.133 χ^2/NDF : 1391.7/98

- sign 1.806 ± 0.188 χ^2/NDF : 679.0/50

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -63.647 ± 0.532 χ^2/NDF : 1608.2/22

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -65.570 ± 0.380 χ^2/NDF : 3241.5/27

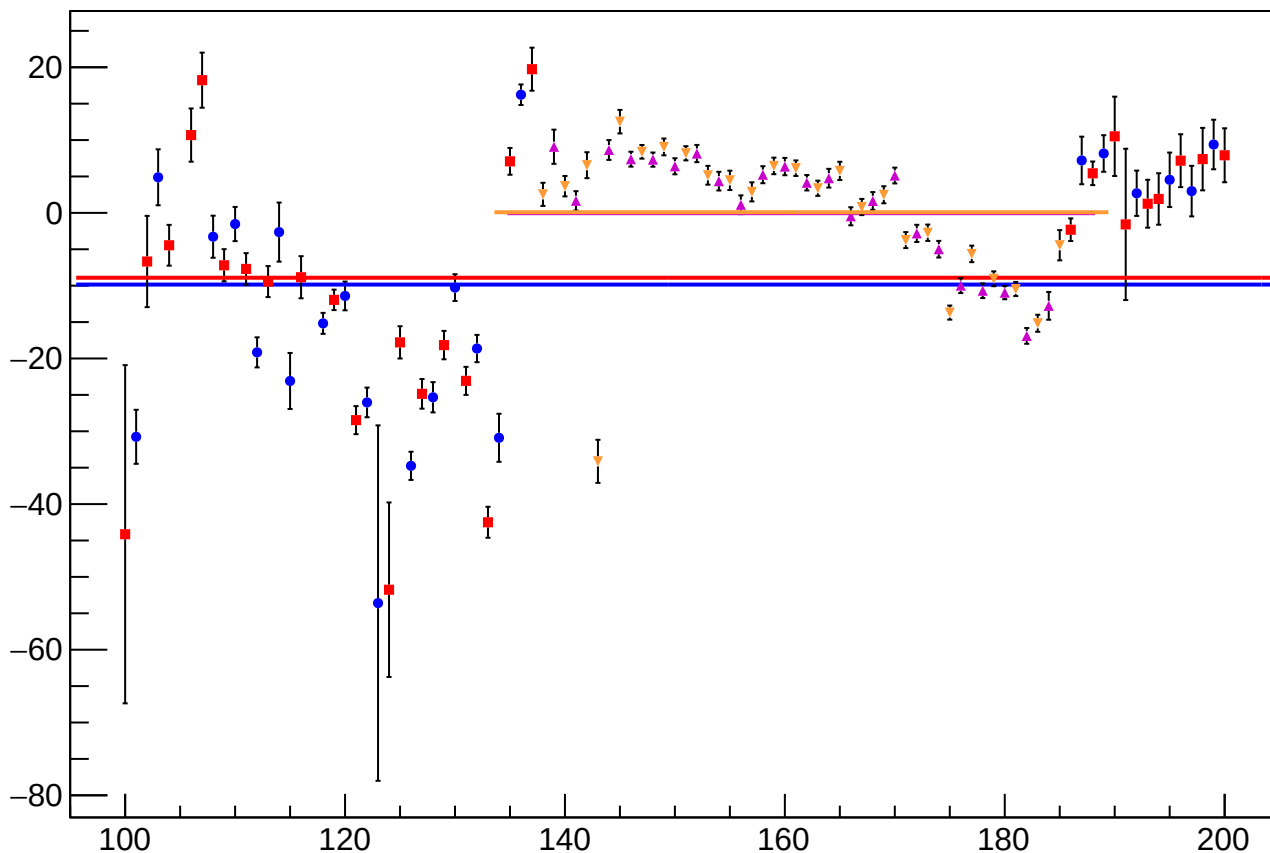
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -25.009 ± 0.238 χ^2/NDF : 13040.0/47

All: -28.510 ± 0.162 χ^2/NDF : 30776.1/98

- sign -31.481 ± 0.220 χ^2/NDF : 17337.6/50

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -9.848 ± 0.497 χ^2/NDF : 961.0/22

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -8.907 ± 0.463 χ^2/NDF : 962.1/27

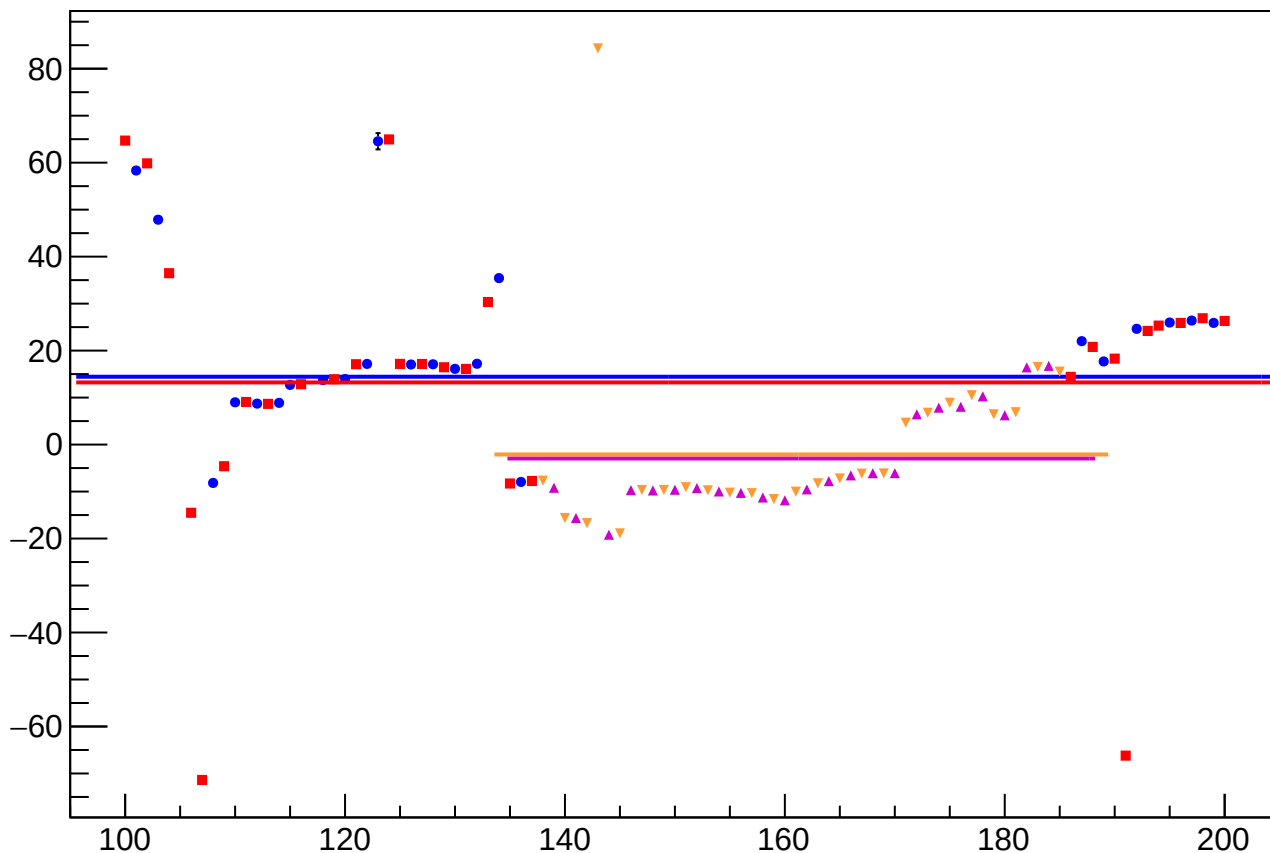
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.772 ± 0.215 χ^2/NDF : 2458.7/47

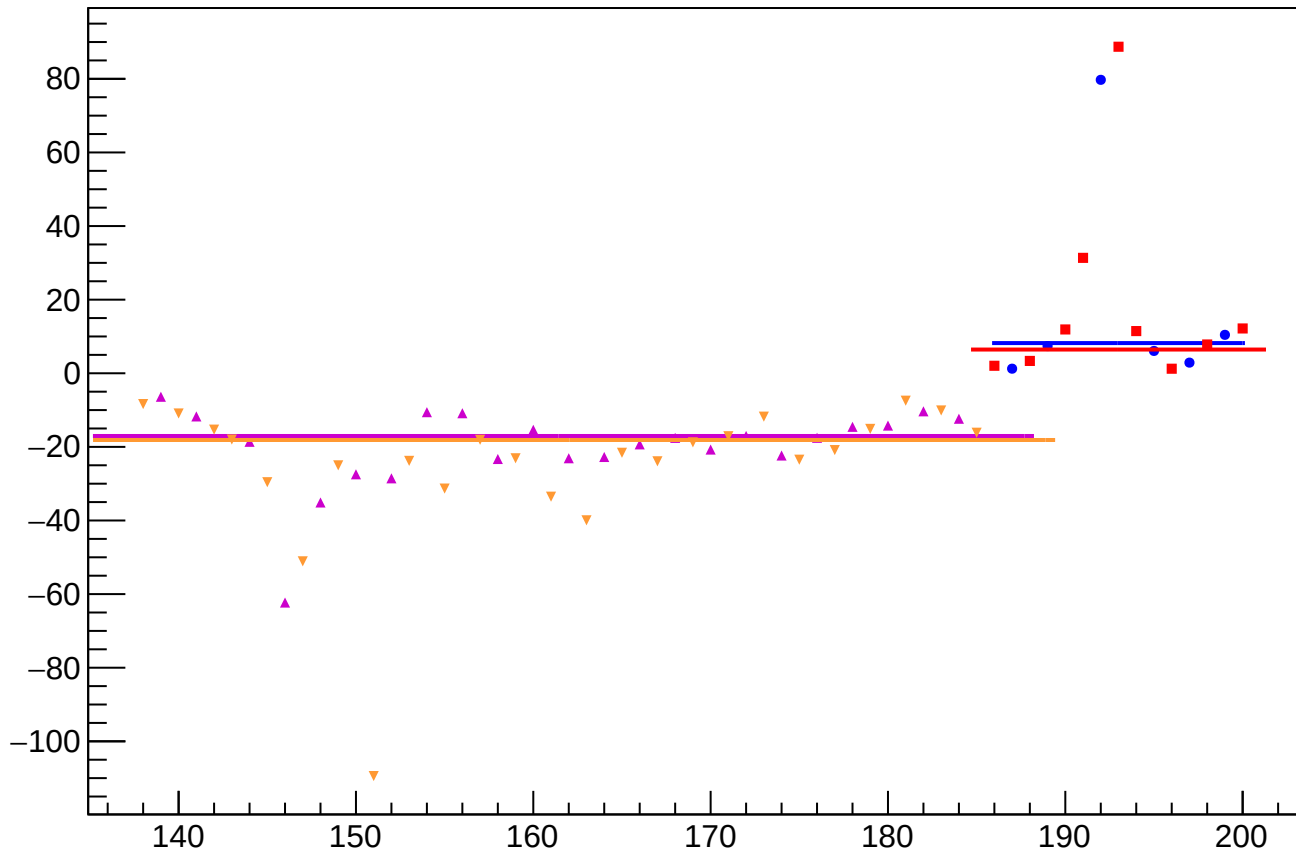
All: -1.865 ± 0.152 χ^2/NDF : 4736.4/98

- sign -1.957 ± 0.215 χ^2/NDF : 2277.4/50

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 8.204 ± 0.090 $\chi^2/\text{NDF}: 24424.1/5$

Left Out: -18.128 ± 0.039 $\chi^2/\text{NDF}: 88551.6/24$

Right Out: 6.447 ± 0.071 $\chi^2/\text{NDF}: 25592.8/8$

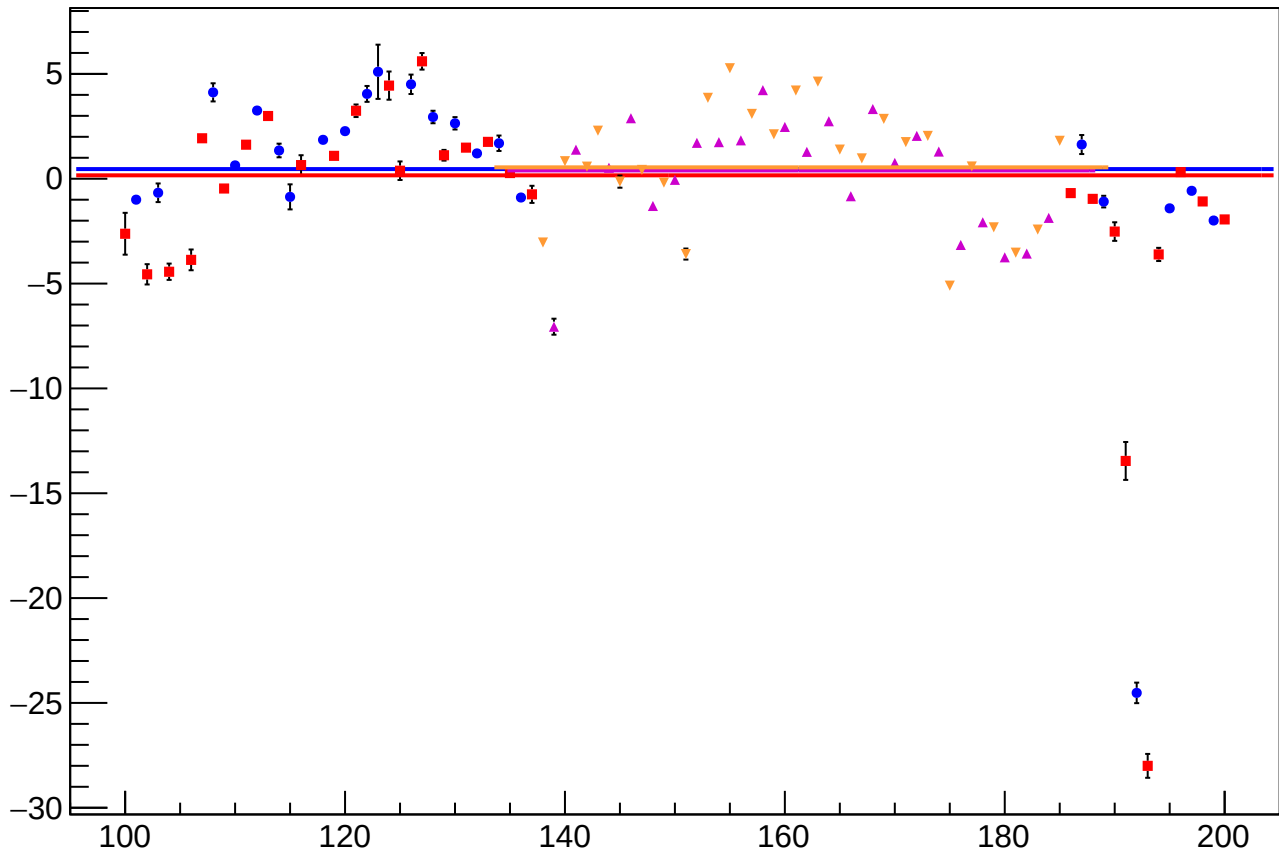
Left In: -17.038 ± 0.038 $\chi^2/\text{NDF}: 44141.1/22$

+ sign -13.950 ± 0.036 $\chi^2/\text{NDF}: 185621.0/30$

All: -12.782 ± 0.024 $\chi^2/\text{NDF}: 342717.4/62$

- sign -11.748 ± 0.034 $\chi^2/\text{NDF}: 155077.9/31$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.461 ± 0.053 $\chi^2/\text{NDF}: 3749.5/22$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.163 ± 0.048 $\chi^2/\text{NDF}: 4210.5/27$

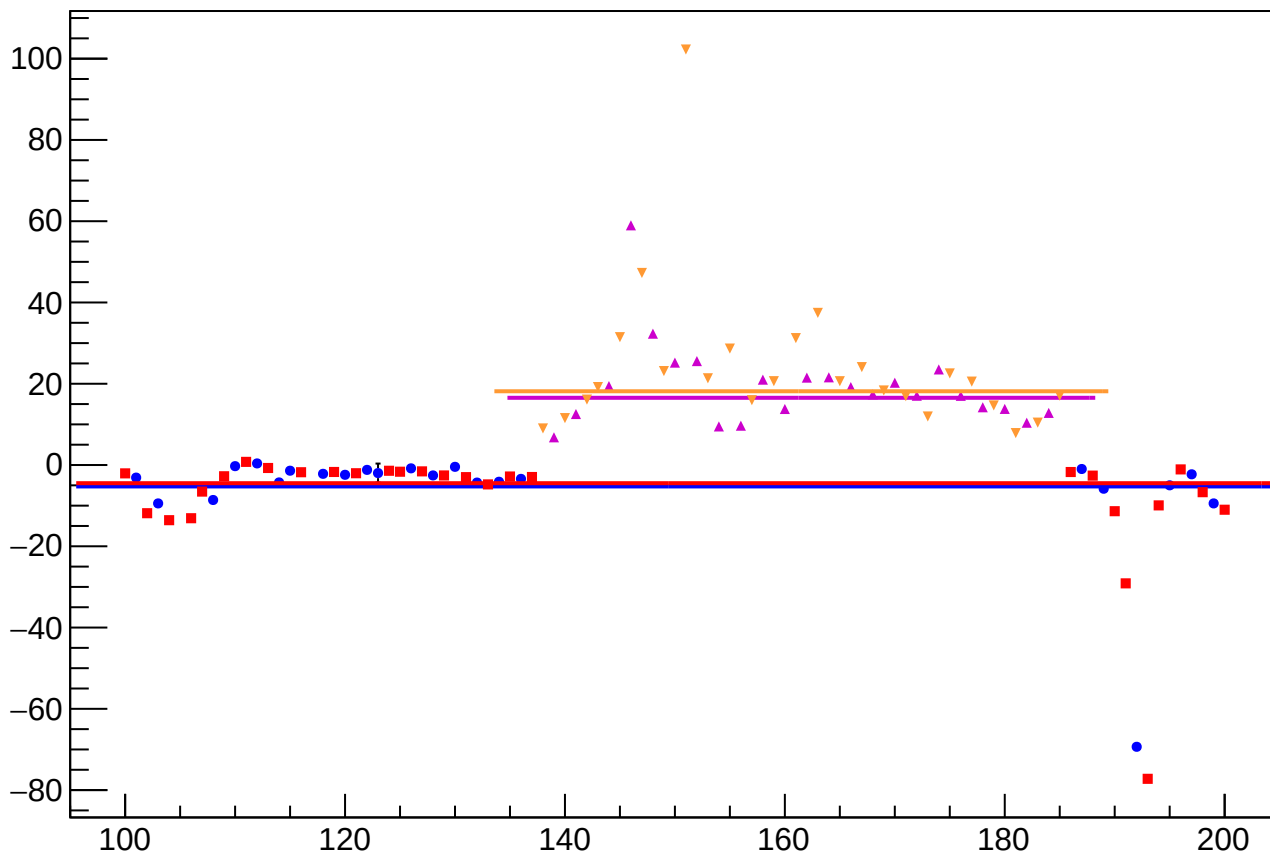
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.521 ± 0.028 $\chi^2/\text{NDF}: 10836.5/47$

All: 0.419 ± 0.019 $\chi^2/\text{NDF}: 21325.2/98$

- sign 0.329 ± 0.026 $\chi^2/\text{NDF}: 10463.0/50$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.273 ± 0.063 $\chi^2/\text{NDF}: 26386.0/22$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.472 ± 0.051 $\chi^2/\text{NDF}: 27564.5/27$

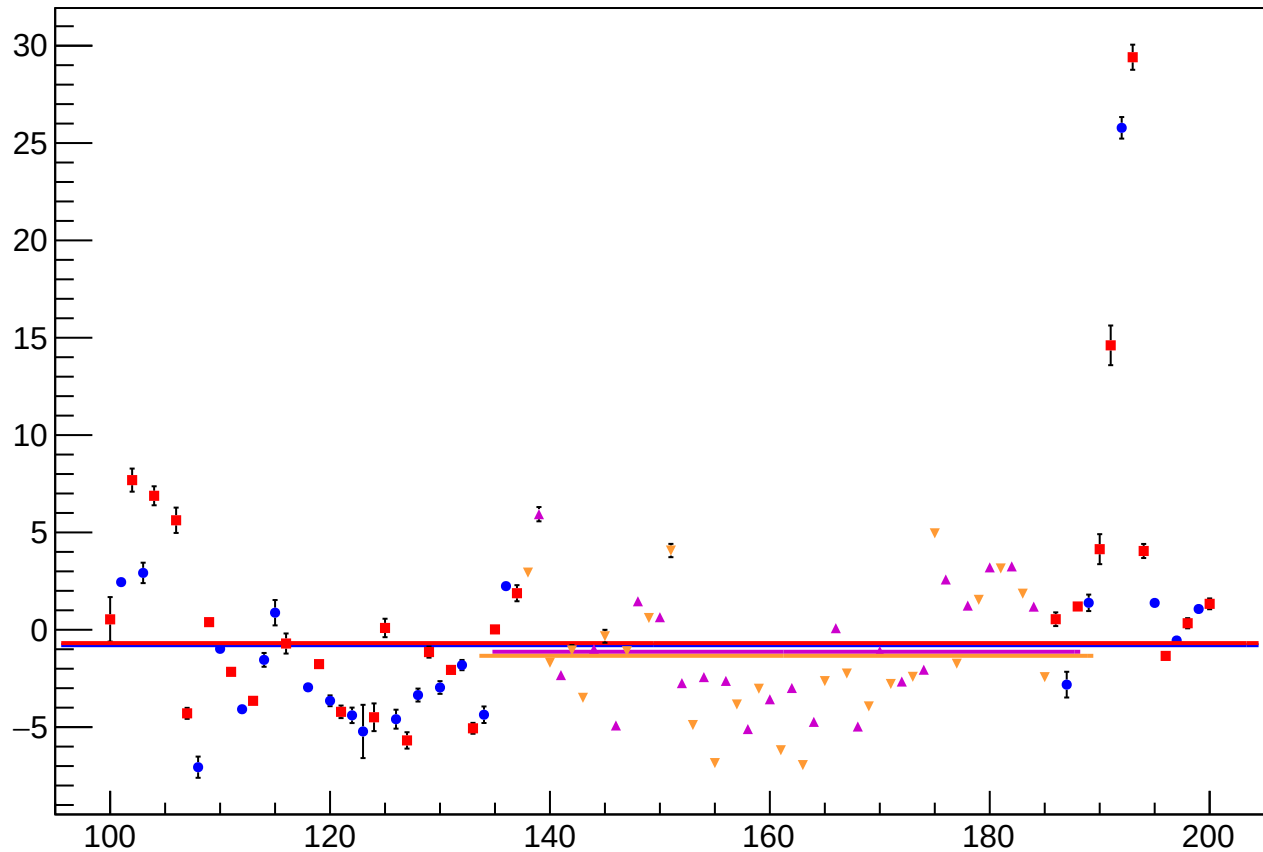
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 11.579 ± 0.033 $\chi^2/\text{NDF}: 204944.7/47$

All: 10.186 ± 0.022 $\chi^2/\text{NDF}: 387399.7/98$

- sign 9.026 ± 0.030 $\chi^2/\text{NDF}: 179221.5/50$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.792 ± 0.062 χ^2/NDF : 3876.9/22

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.684 ± 0.056 χ^2/NDF : 4442.0/27

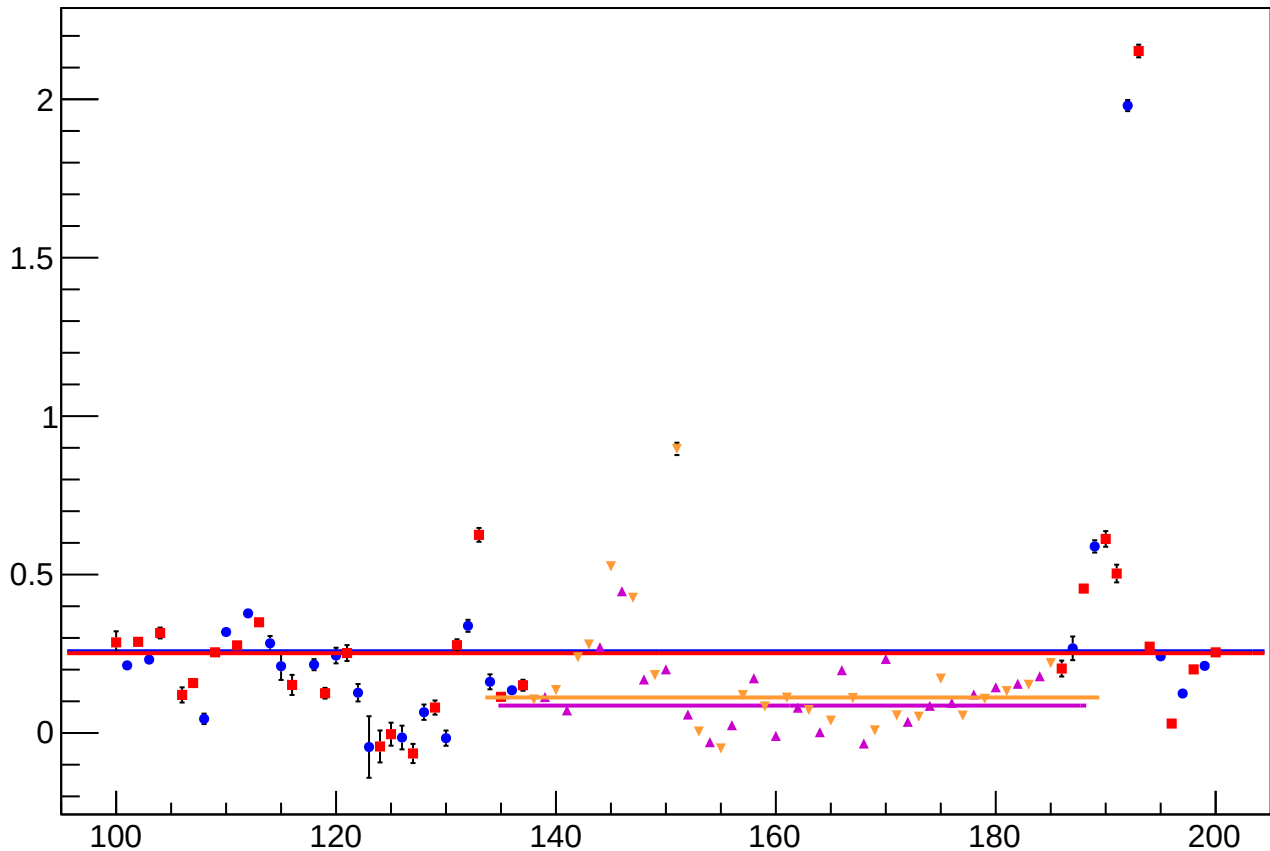
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.200 ± 0.031 χ^2/NDF : 11878.1/47

All: -1.099 ± 0.021 χ^2/NDF : 23125.8/98

- sign -1.010 ± 0.029 χ^2/NDF : 11227.8/50

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.258 ± 0.003 $\chi^2/\text{NDF}: 11124.3/22$

Left Out: 0.112 ± 0.002 $\chi^2/\text{NDF}: 4503.9/24$

Right Out: 0.252 ± 0.003 $\chi^2/\text{NDF}: 11580.1/27$

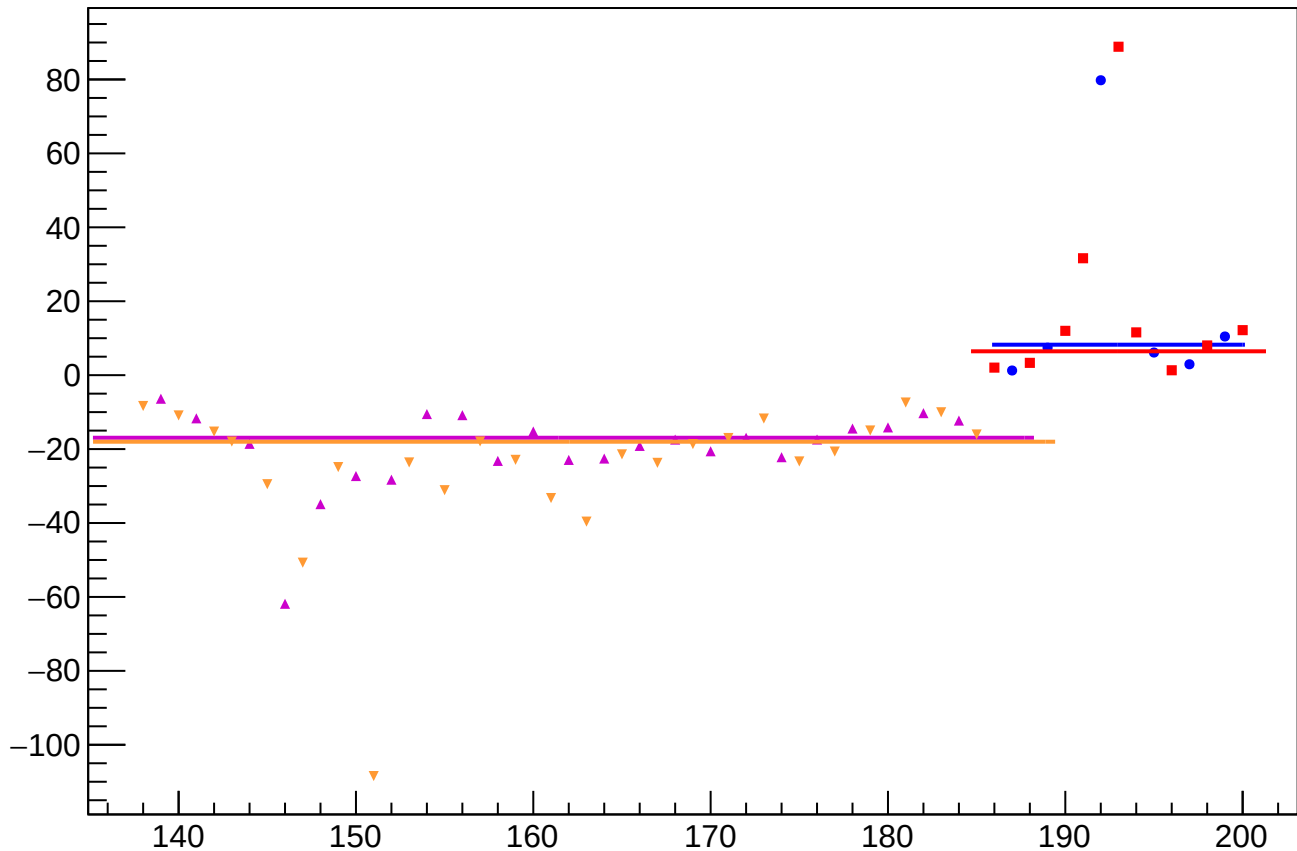
Left In: 0.087 ± 0.002 $\chi^2/\text{NDF}: 3655.4/22$

+ sign 0.146 ± 0.001 $\chi^2/\text{NDF}: 17572.3/47$

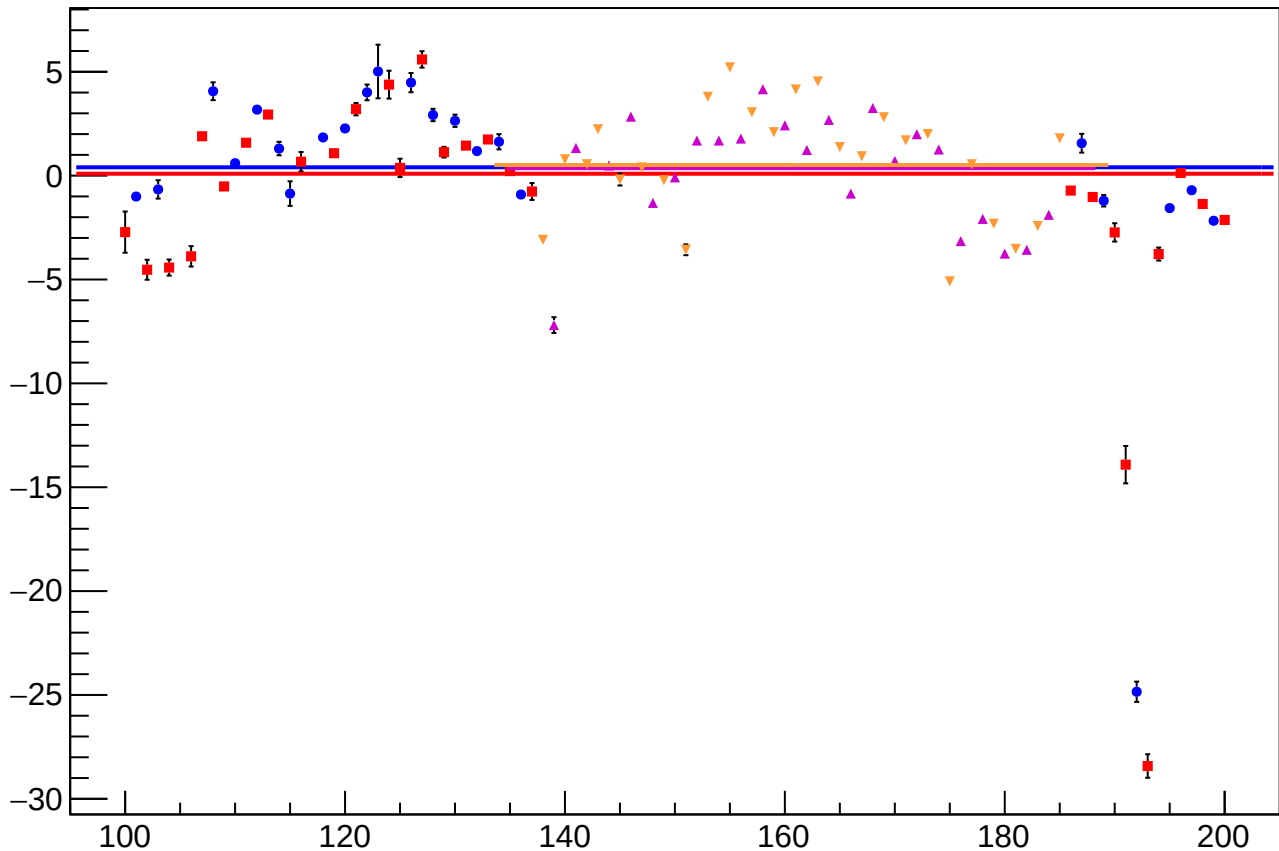
All: 0.136 ± 0.001 $\chi^2/\text{NDF}: 35897.5/98$

- sign 0.127 ± 0.001 $\chi^2/\text{NDF}: 18226.1/50$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.402 ± 0.053 $\chi^2/\text{NDF}: 3871.1/22$

Left Out: 0.511 ± 0.032 $\chi^2/\text{NDF}: 7070.4/24$

Right Out: 0.092 ± 0.048 $\chi^2/\text{NDF}: 4371.5/27$

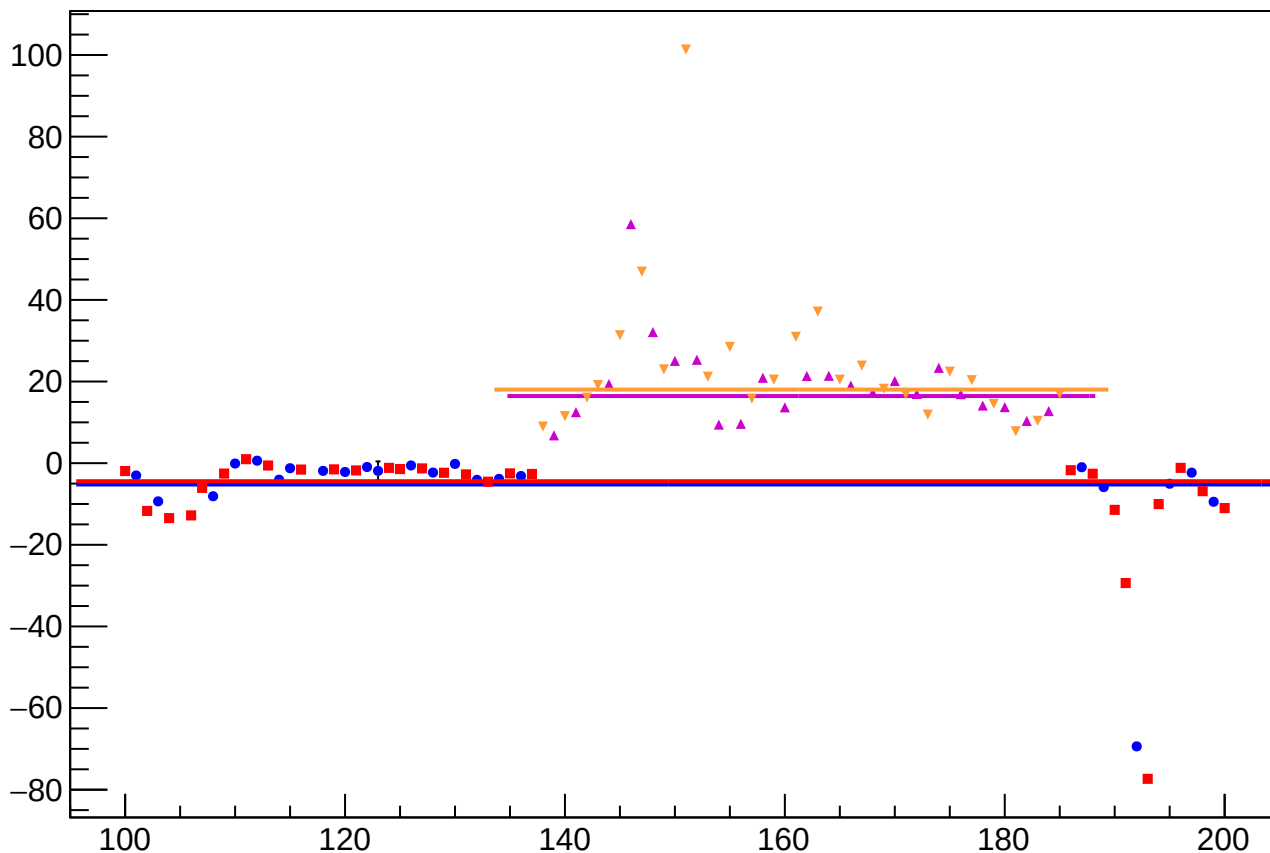
Left In: 0.360 ± 0.031 $\chi^2/\text{NDF}: 6221.1/22$

+ sign 0.482 ± 0.027 $\chi^2/\text{NDF}: 10944.7/47$

All: 0.375 ± 0.019 $\chi^2/\text{NDF}: 21587.7/98$

- sign 0.282 ± 0.026 $\chi^2/\text{NDF}: 10614.9/50$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.222 ± 0.062 $\chi^2/\text{NDF}: 26710.6/22$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -4.418 ± 0.050 $\chi^2/\text{NDF}: 28030.0/27$

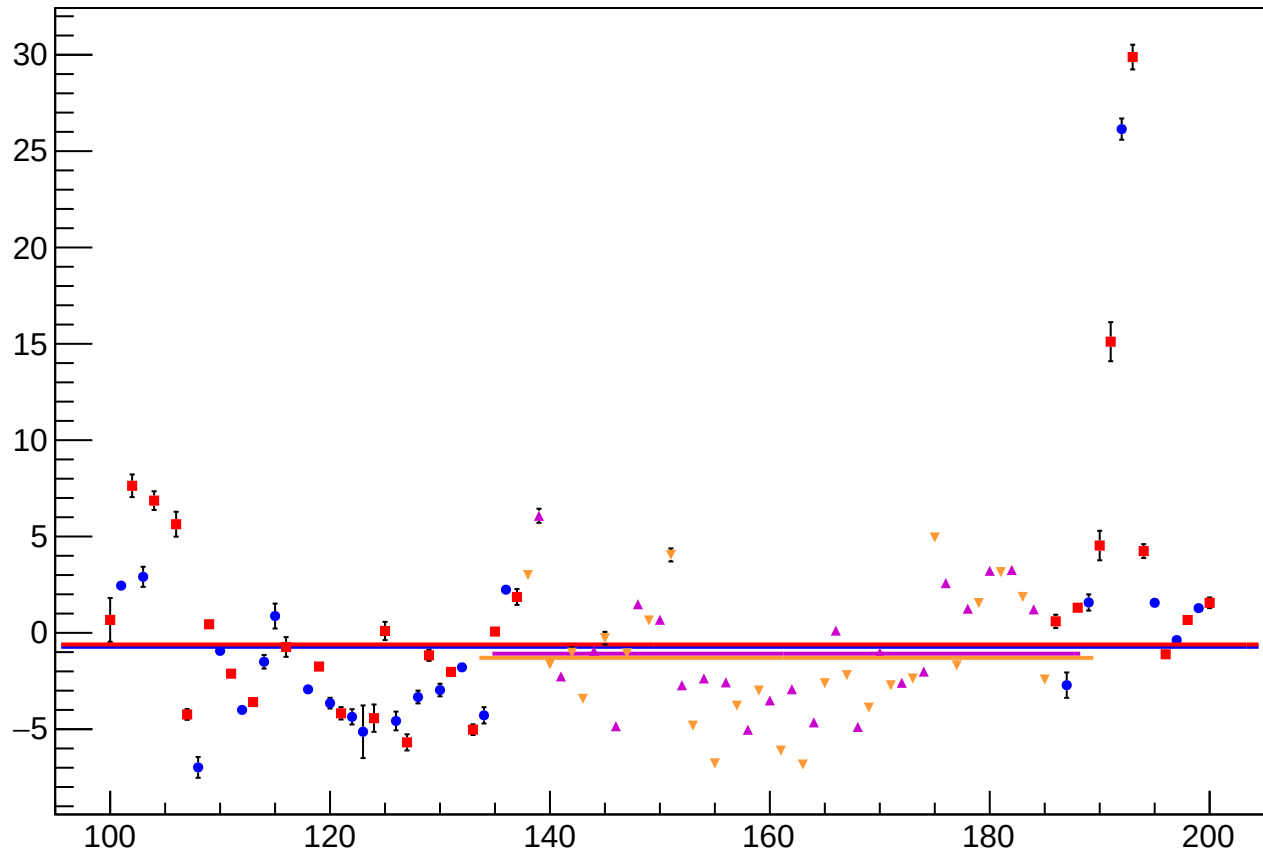
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 11.526 ± 0.033 $\chi^2/\text{NDF}: 204715.9/47$

All: 10.130 ± 0.022 $\chi^2/\text{NDF}: 387631.5/98$

- sign 8.969 ± 0.030 $\chi^2/\text{NDF}: 179627.1/50$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.723 ± 0.062 χ^2/NDF : 3978.4/22

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.602 ± 0.056 χ^2/NDF : 4592.2/27

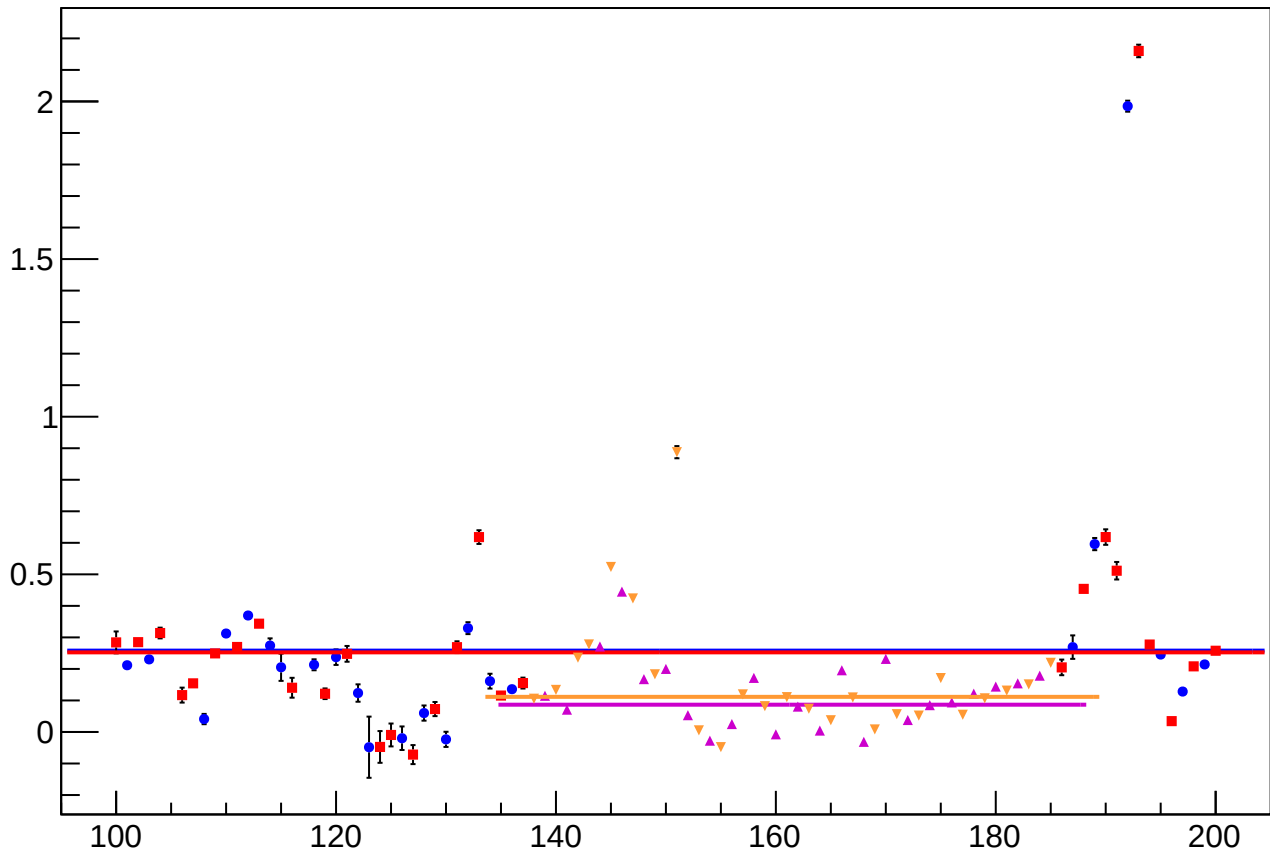
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.153 ± 0.031 χ^2/NDF : 11968.5/47

All: -1.047 ± 0.021 χ^2/NDF : 23360.5/98

- sign -0.953 ± 0.029 χ^2/NDF : 11369.8/50

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.258 ± 0.003 χ^2/NDF : 11255.1/22

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.253 ± 0.003 χ^2/NDF : 11715.1/27

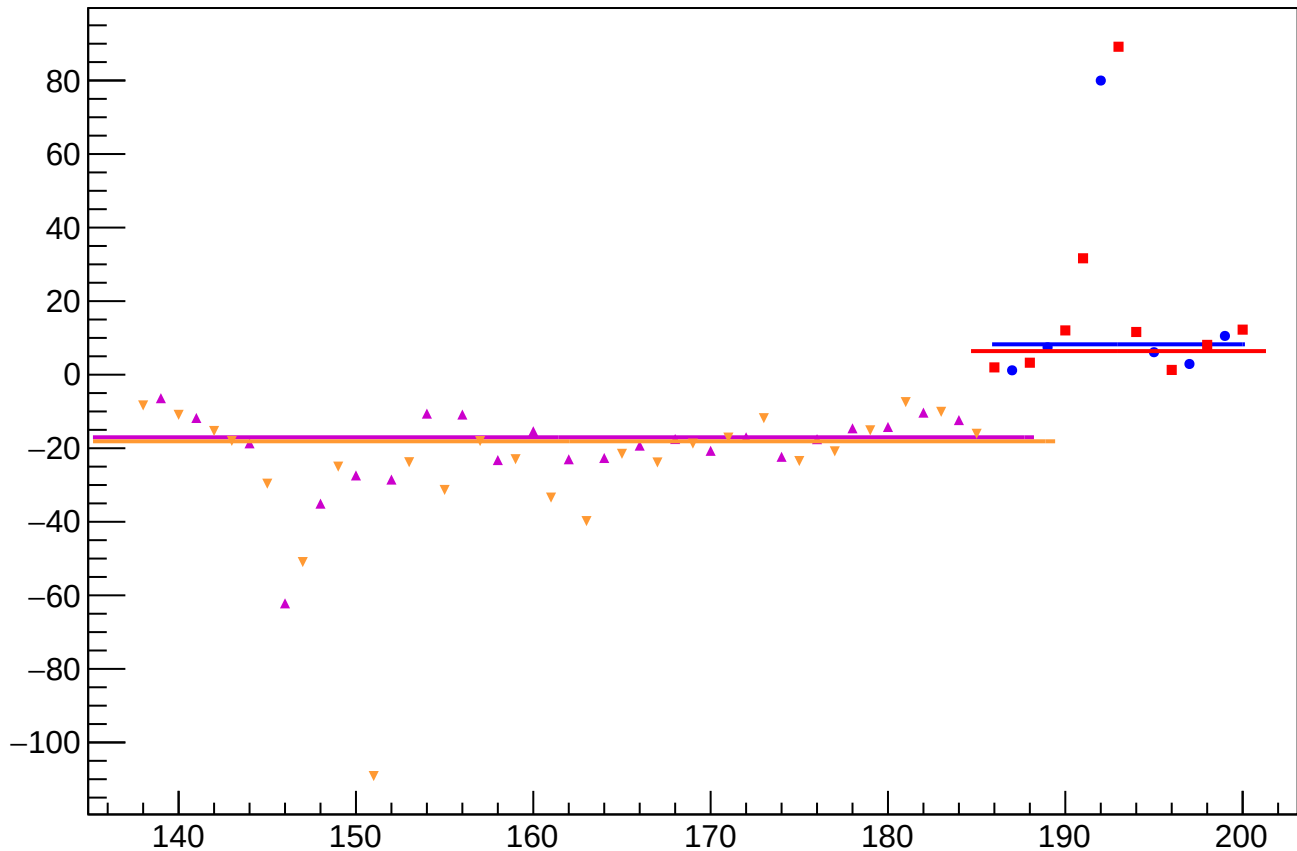
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.146 ± 0.001 χ^2/NDF : 17734.9/47

All: 0.136 ± 0.001 χ^2/NDF : 36216.2/98

- sign 0.127 ± 0.001 χ^2/NDF : 18388.4/50

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 8.258 ± 0.090 χ^2/NDF : 24602.8/5

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 6.413 ± 0.070 χ^2/NDF : 25987.1/8

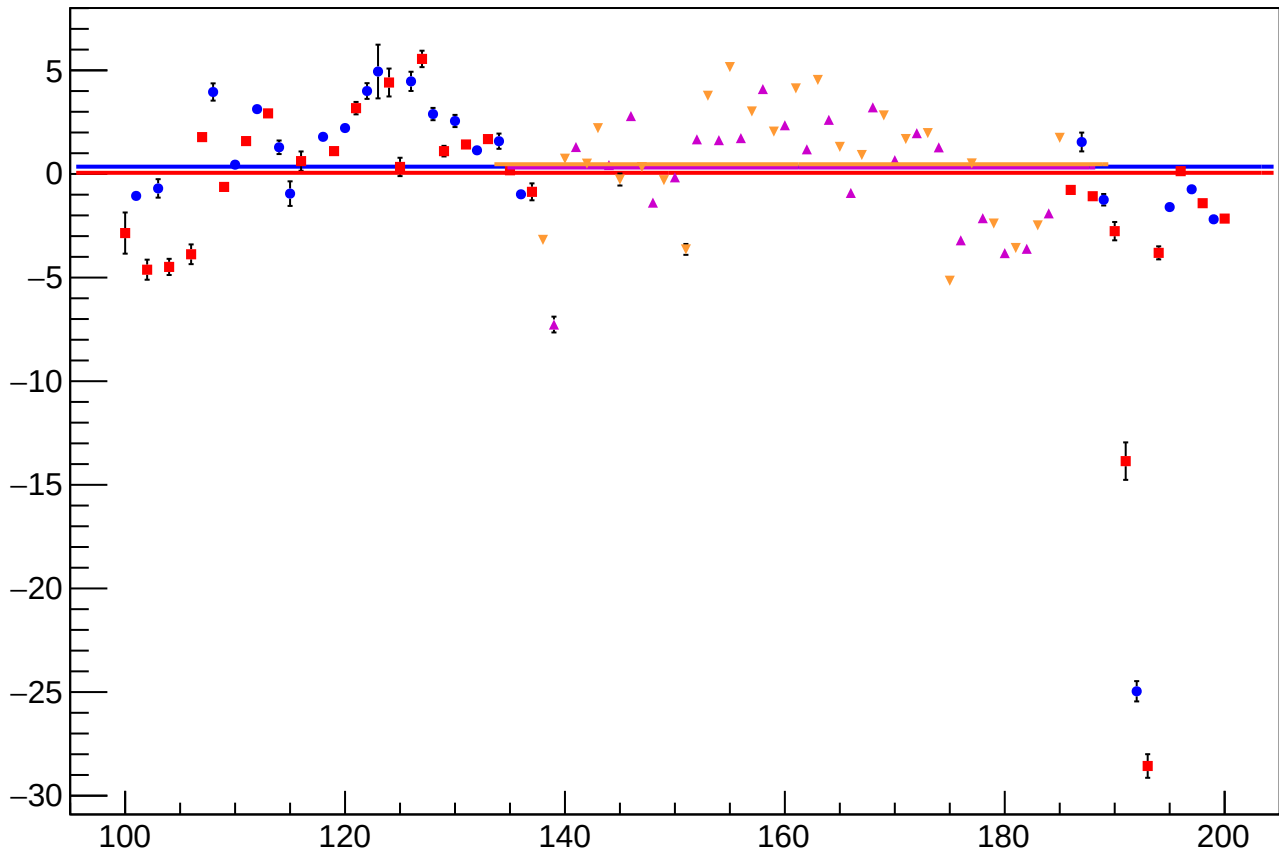
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -13.962 ± 0.036 χ^2/NDF : 185810.9/30

All: -12.767 ± 0.024 χ^2/NDF : 344049.4/62

- sign -11.712 ± 0.033 χ^2/NDF : 156118.9/31

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.352 ± 0.053 $\chi^2/\text{NDF}: 3856.5/22$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7093.0/24$

Right Out: 0.055 ± 0.048 $\chi^2/\text{NDF}: 4367.6/27$

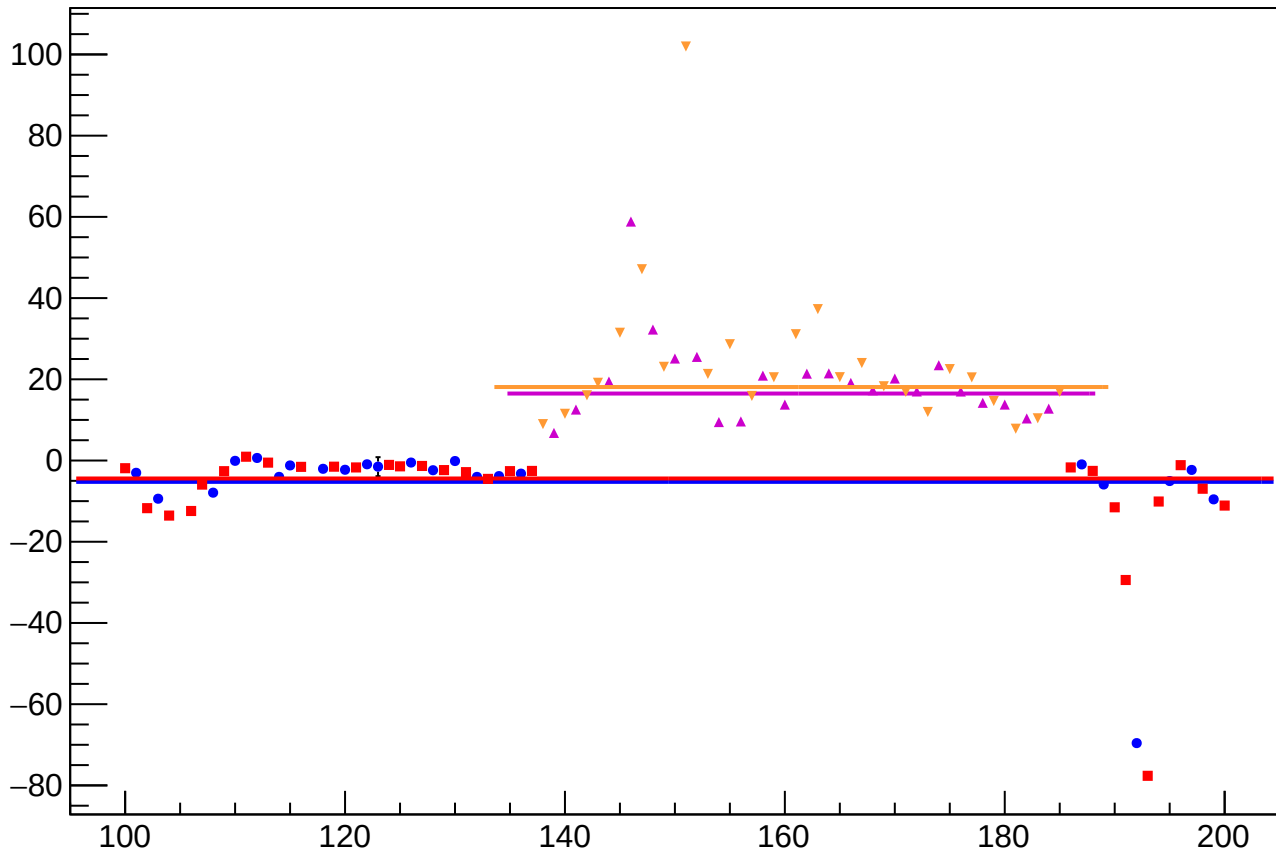
Left In: 0.311 ± 0.031 $\chi^2/\text{NDF}: 6183.1/22$

+ sign 0.437 ± 0.028 $\chi^2/\text{NDF}: 10953.1/47$

All: 0.330 ± 0.019 $\chi^2/\text{NDF}: 21552.3/98$

- sign 0.237 ± 0.026 $\chi^2/\text{NDF}: 10571.0/50$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -5.250 ± 0.063 $\chi^2/\text{NDF}: 26701.9/22$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.422 ± 0.050 $\chi^2/\text{NDF}: 28042.8/27$

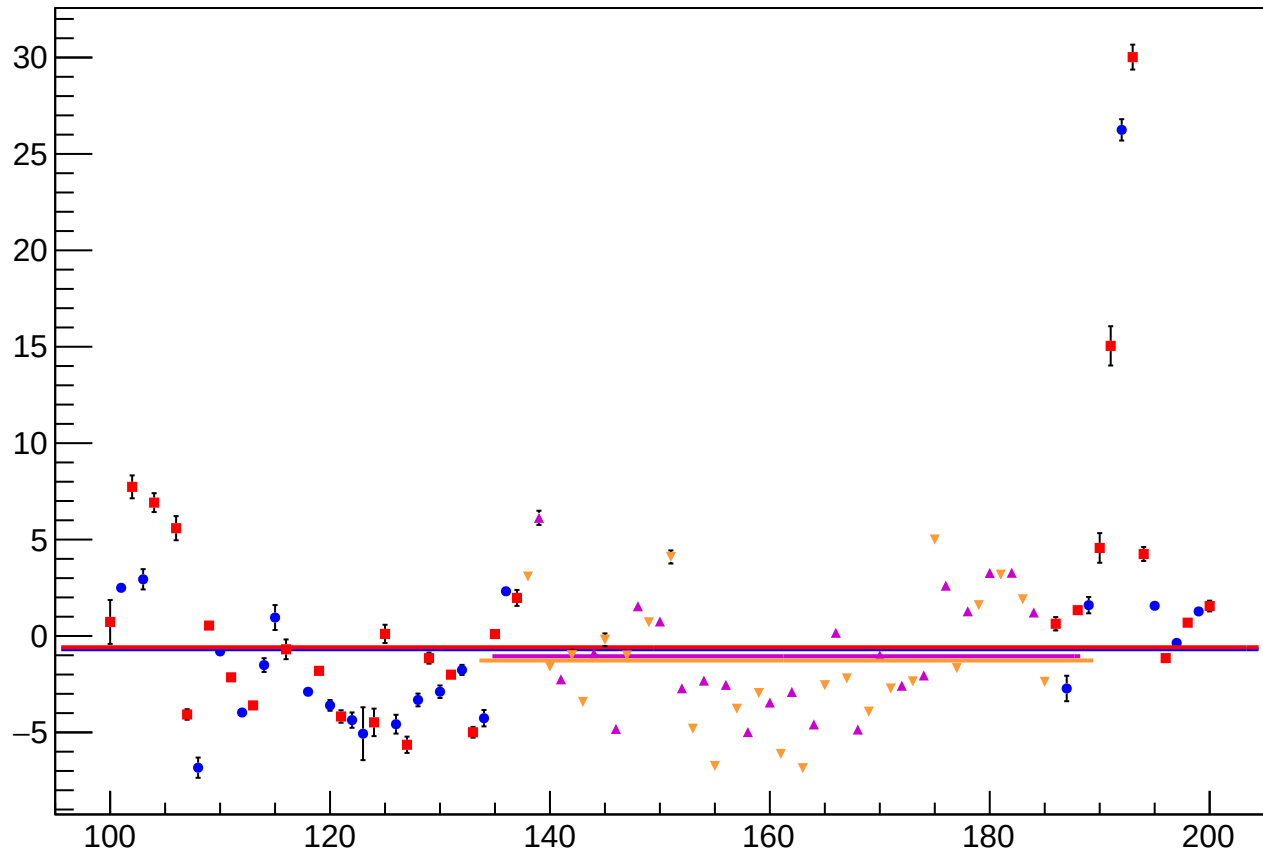
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 11.589 ± 0.033 $\chi^2/\text{NDF}: 204575.9/47$

All: 10.167 ± 0.022 $\chi^2/\text{NDF}: 387638.7/98$

- sign 8.987 ± 0.030 $\chi^2/\text{NDF}: 179687.2/50$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.687 ± 0.062 χ^2/NDF : 3967.9/22

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.585 ± 0.056 χ^2/NDF : 4591.6/27

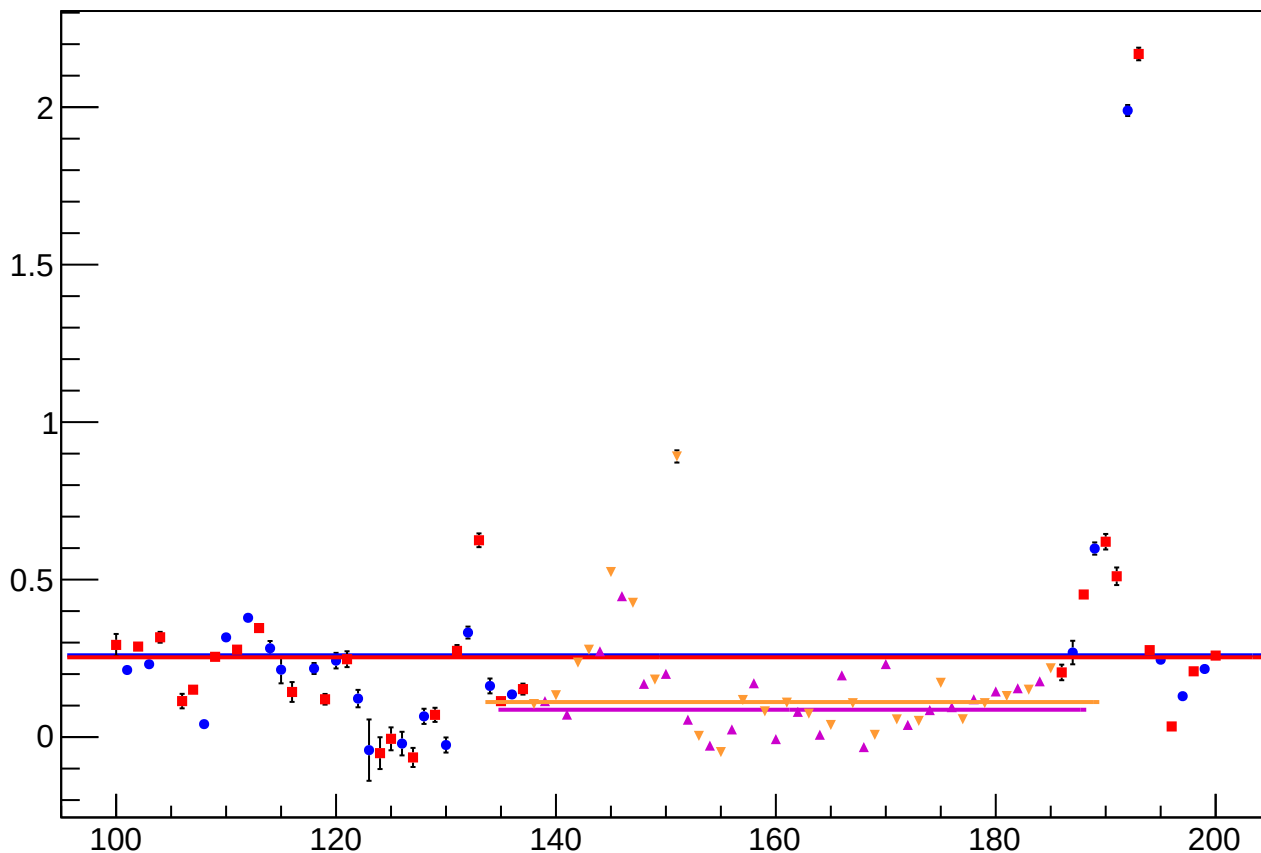
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.126 ± 0.031 χ^2/NDF : 11986.6/47

All: -1.020 ± 0.021 χ^2/NDF : 23323.8/98

- sign -0.926 ± 0.029 χ^2/NDF : 11315.1/50

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.260 $\pm$ 0.003 χ^2 /NDF: 11247.0/22

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF:4474.5/24

Right Out: 0.253 $\pm$ 0.003 χ^2 /NDF: 11730.8/27

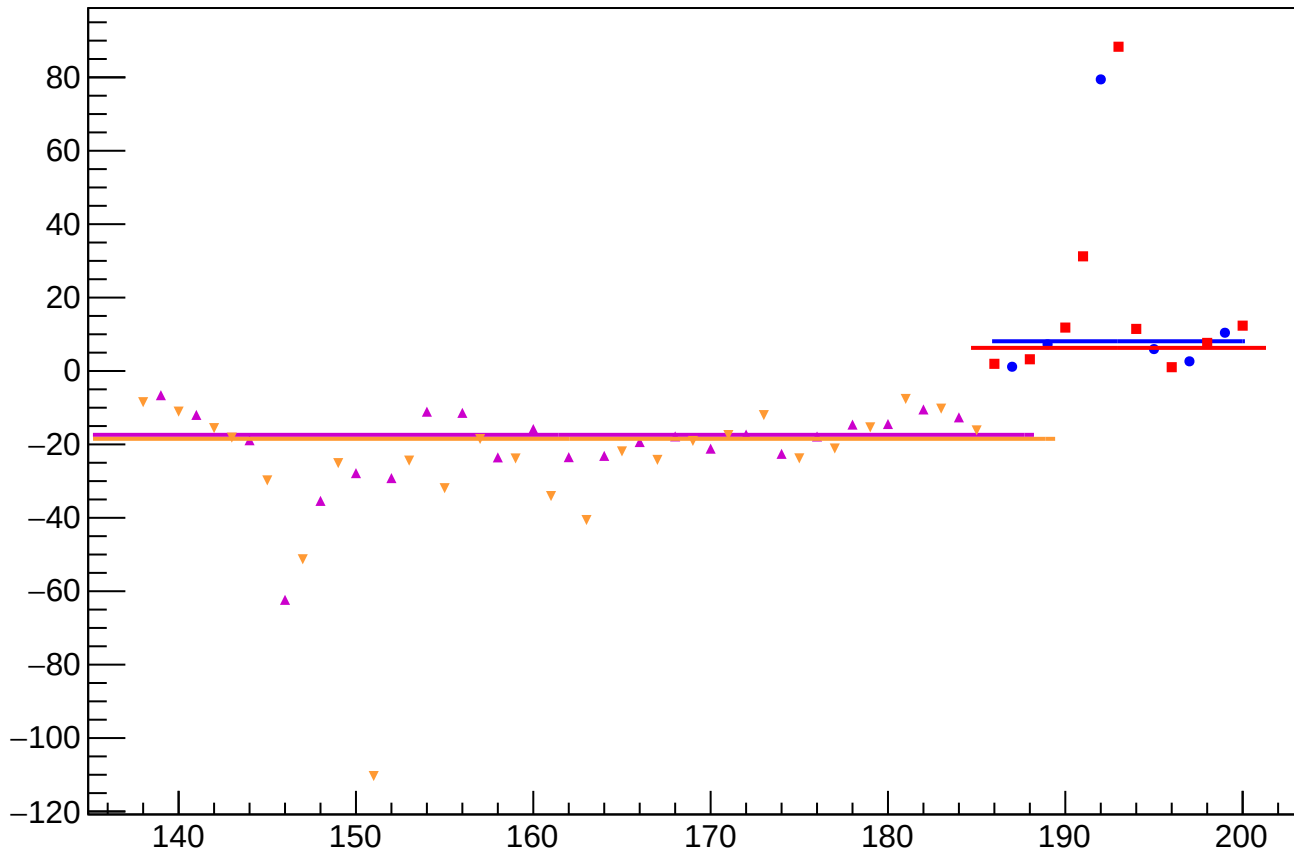
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF:3598.5/22

+ sign 0.146 $\pm$ 0.001 χ^2 /NDF: 17734.8/47

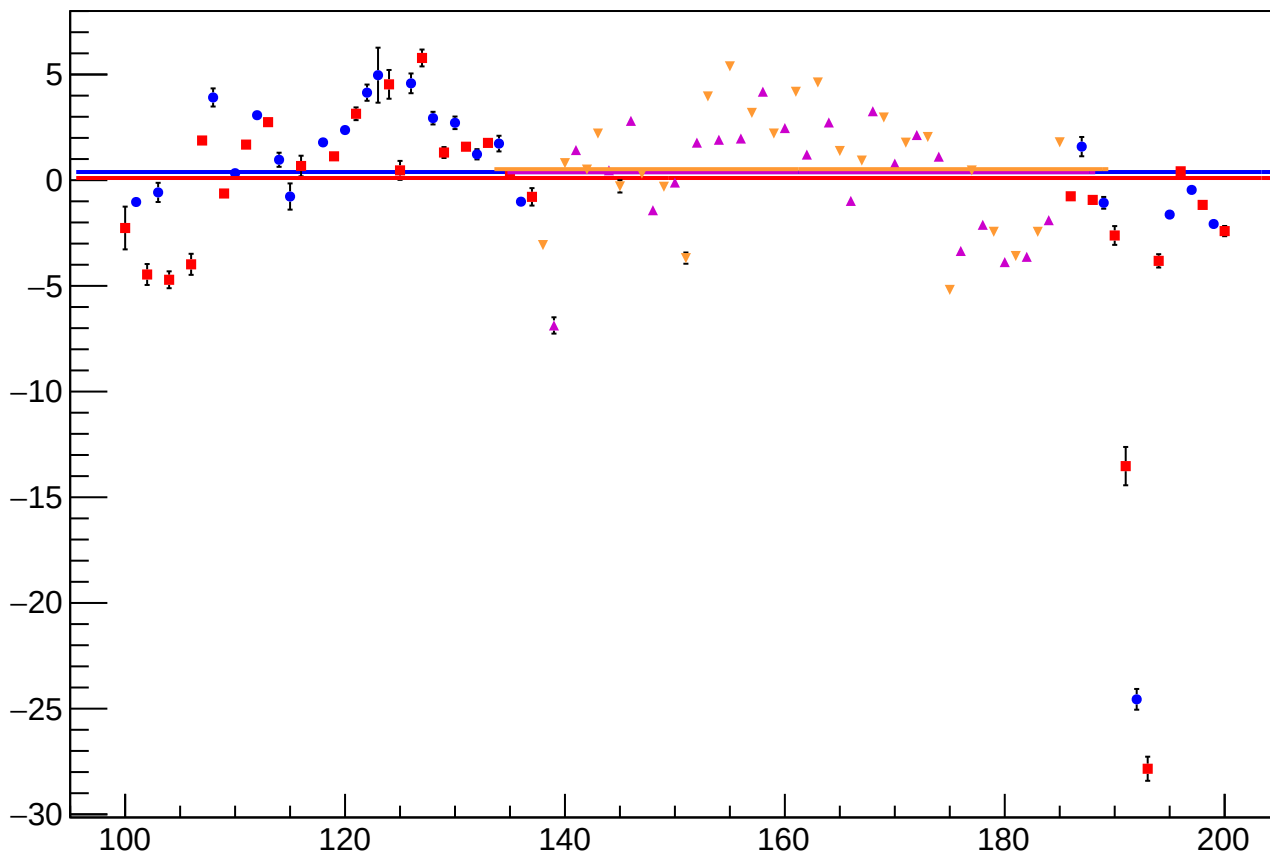
All: 0.136 $\pm$ 0.001 χ^2 /NDF: 36195.0/98

- sign 0.128 $\pm$ 0.001 χ^2 /NDF: 18370.5/50

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.387 ± 0.054 $\chi^2/\text{NDF}: 3725.5/22$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.103 ± 0.049 $\chi^2/\text{NDF}: 4204.5/27$

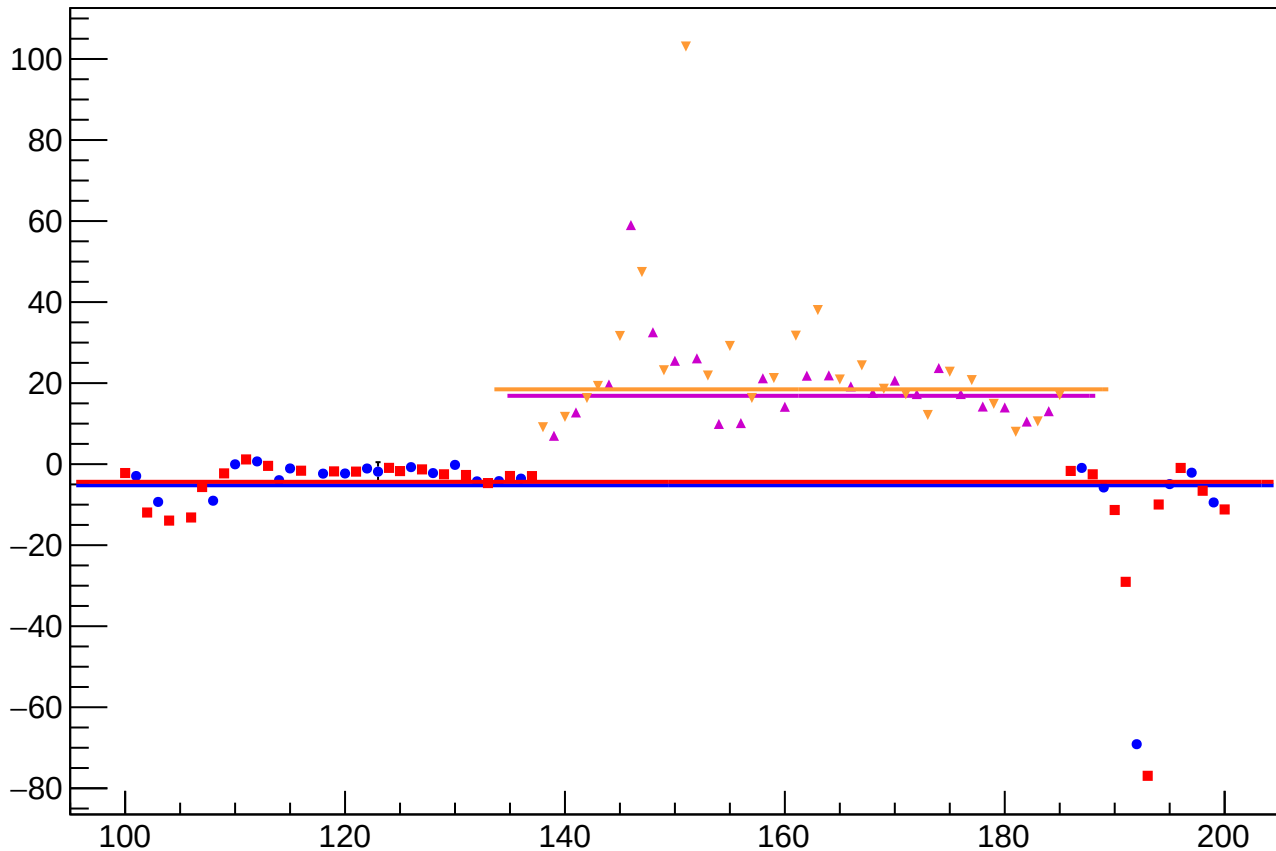
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.485 ± 0.028 $\chi^2/\text{NDF}: 10785.2/47$

All: 0.383 ± 0.019 $\chi^2/\text{NDF}: 21253.3/98$

- sign 0.293 ± 0.026 $\chi^2/\text{NDF}: 10443.4/50$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.216 ± 0.063 $\chi^2/\text{NDF}: 26228.0/22$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -4.357 ± 0.051 $\chi^2/\text{NDF}: 27548.6/27$

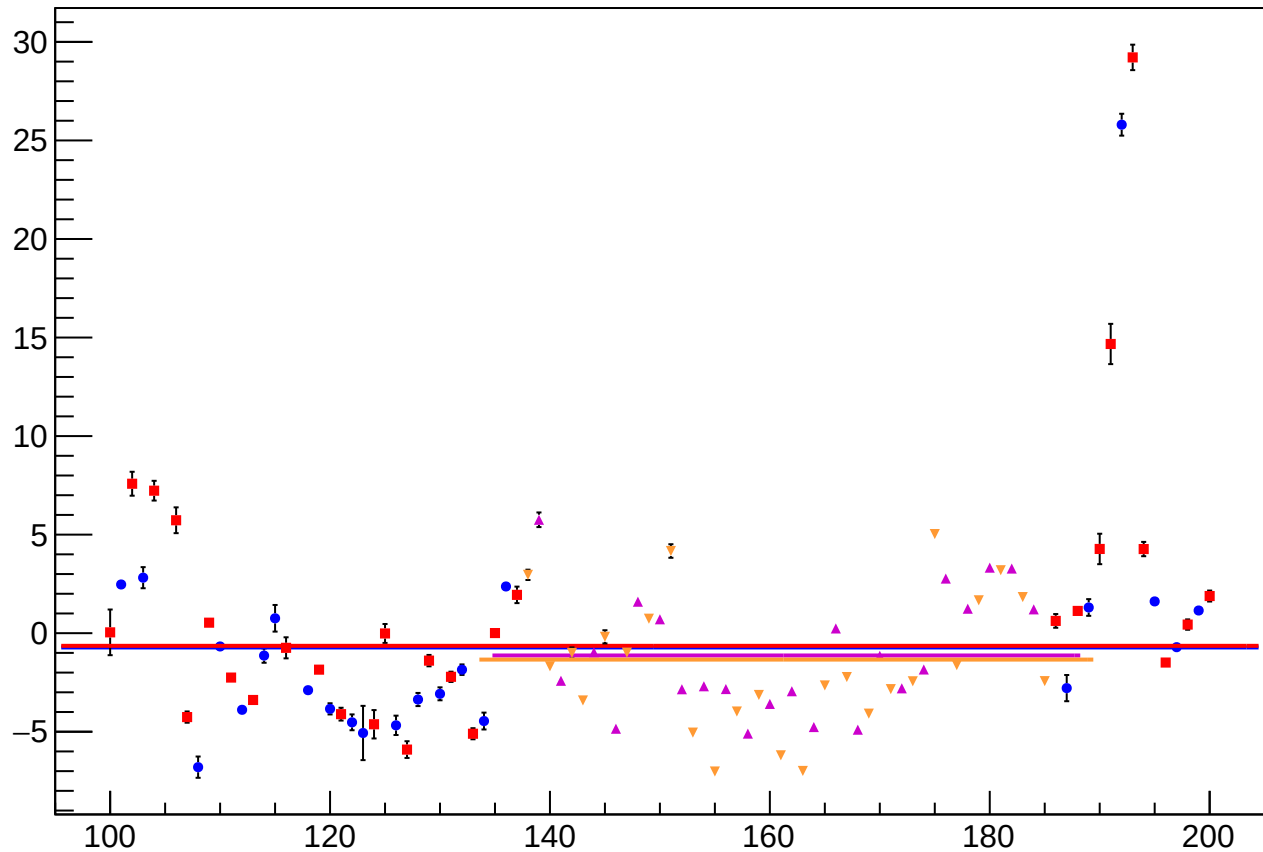
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 11.736 ± 0.034 $\chi^2/\text{NDF}: 203665.2/47$

All: 10.291 ± 0.023 $\chi^2/\text{NDF}: 385249.4/98$

- sign 9.095 ± 0.031 $\chi^2/\text{NDF}: 178233.3/50$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.724 ± 0.063 χ^2/NDF : 3855.4/22

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.642 ± 0.057 χ^2/NDF : 4433.9/27

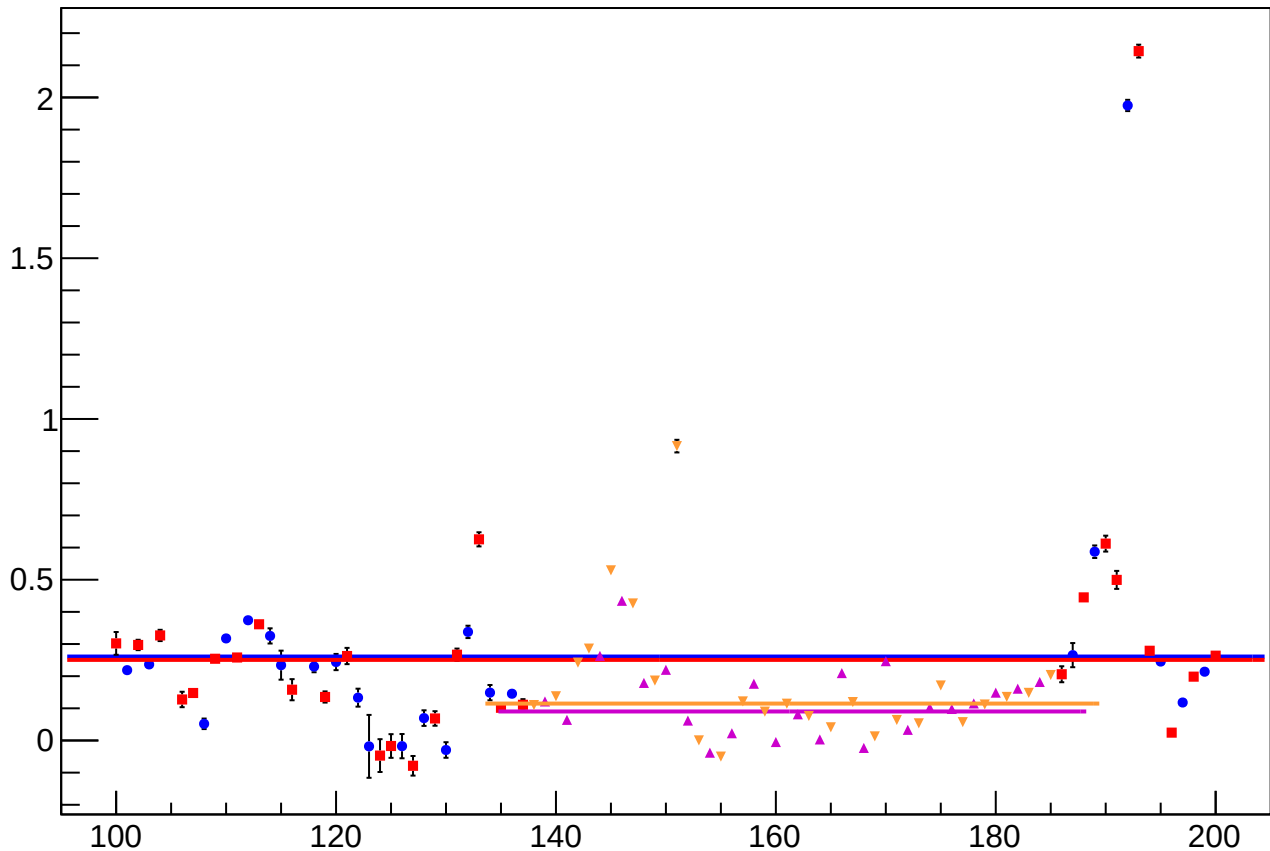
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.184 ± 0.032 χ^2/NDF : 11834.6/47

All: -1.086 ± 0.022 χ^2/NDF : 23048.7/98

- sign -0.999 ± 0.030 χ^2/NDF : 11196.0/50

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.261 ± 0.003 χ^2/NDF : 10992.0/22

Left Out: 0.115 ± 0.002 χ^2/NDF : 4431.9/24

Right Out: 0.251 ± 0.003 χ^2/NDF : 11582.7/27

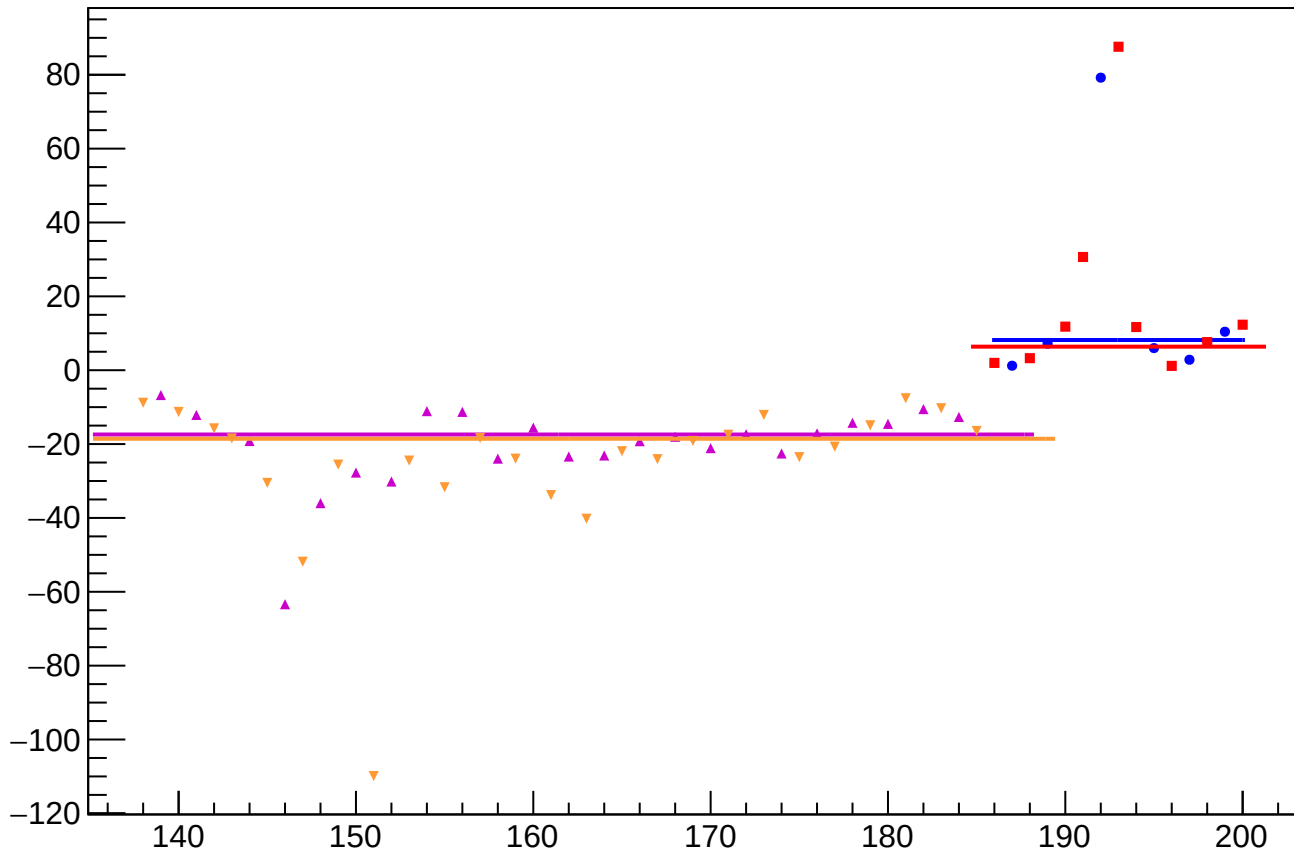
Left In: 0.090 ± 0.002 χ^2/NDF : 3676.5/22

+ sign 0.150 ± 0.001 χ^2/NDF : 17325.2/47

All: 0.139 ± 0.001 χ^2/NDF : 35419.3/98

- sign 0.131 ± 0.001 χ^2/NDF : 17998.9/50

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 8.177 ± 0.091 $\chi^2/\text{NDF}: 23771.4/5$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 6.378 ± 0.071 $\chi^2/\text{NDF}: 24856.9/8$

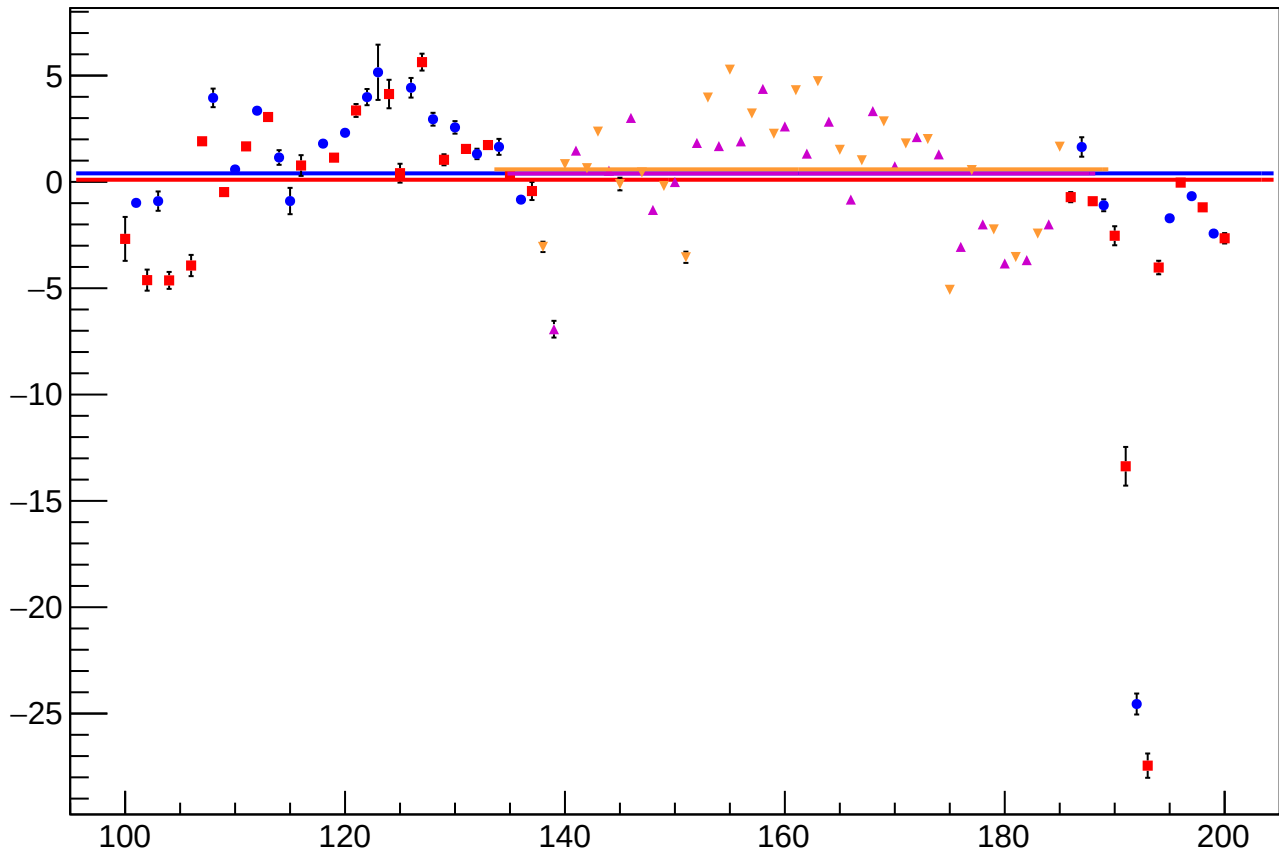
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -14.240 ± 0.037 $\chi^2/\text{NDF}: 182122.3/30$

All: -12.990 ± 0.025 $\chi^2/\text{NDF}: 337762.9/62$

- sign -11.889 ± 0.034 $\chi^2/\text{NDF}: 153459.9/31$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.401 ± 0.054 χ^2/NDF : 3749.7/22

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.101 ± 0.049 χ^2/NDF : 4156.8/27

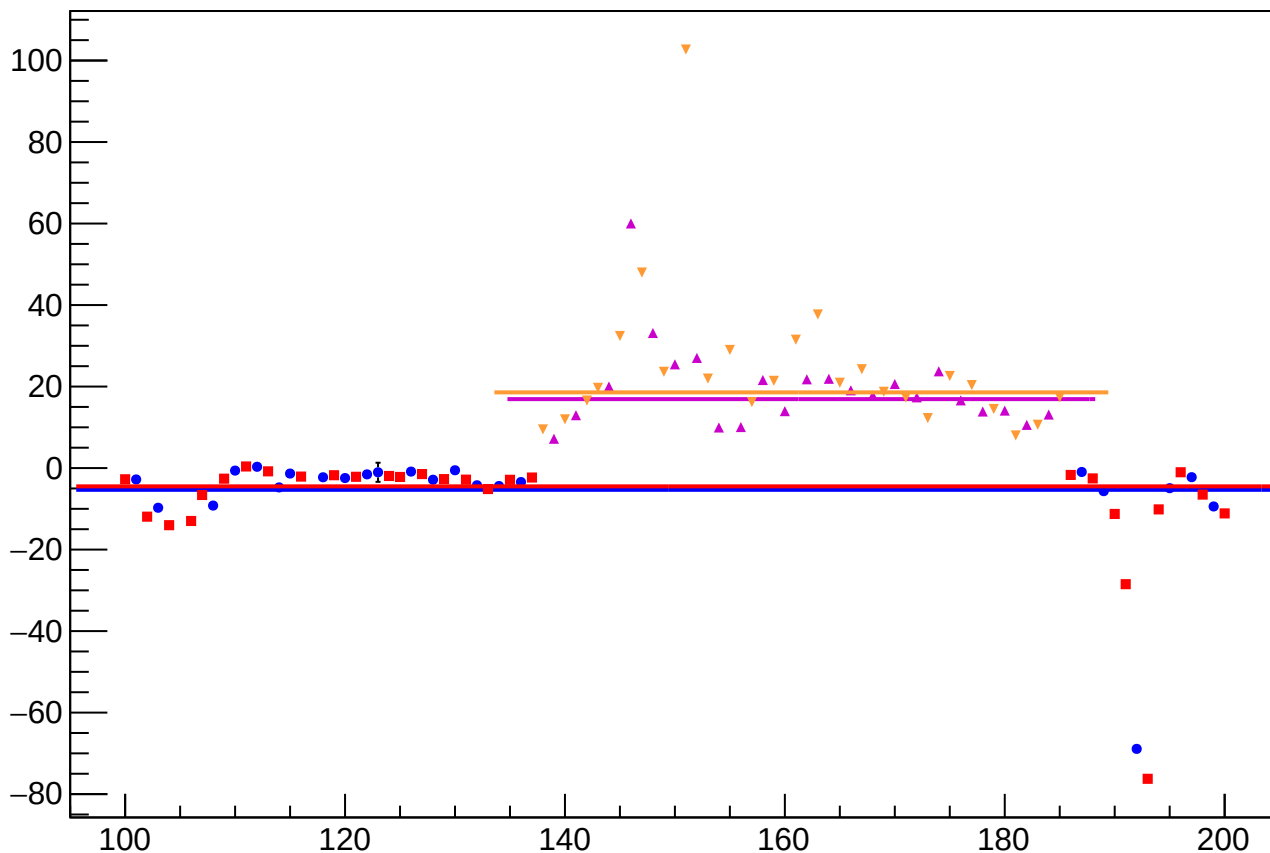
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.539 ± 0.028 χ^2/NDF : 10555.0/47

All: 0.417 ± 0.019 χ^2/NDF : 20831.6/98

- sign 0.309 ± 0.027 χ^2/NDF : 10241.5/50

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.334 ± 0.064 $\chi^2/\text{NDF}: 25555.1/22$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.484 ± 0.052 $\chi^2/\text{NDF}: 26661.8/27$

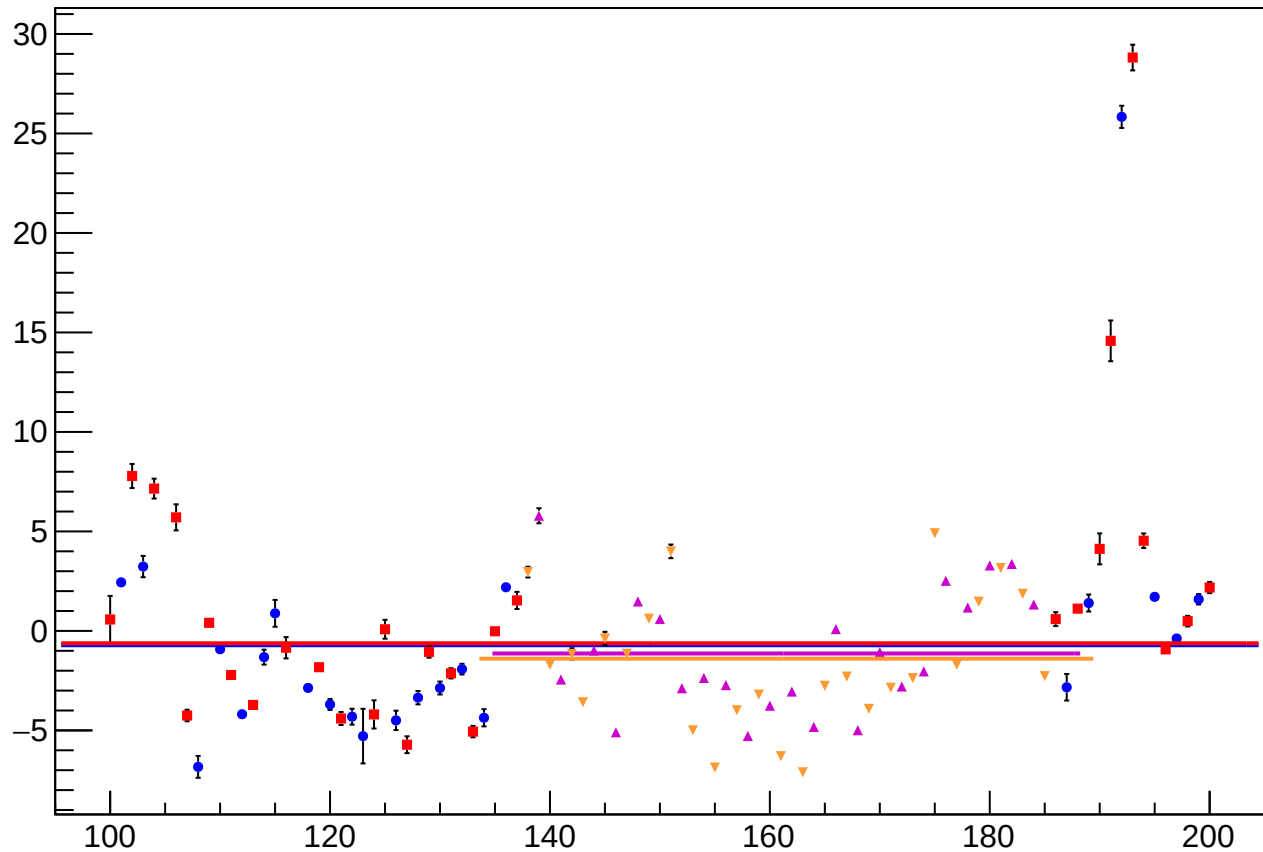
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 11.805 ± 0.034 $\chi^2/\text{NDF}: 201406.6/47$

All: 10.350 ± 0.023 $\chi^2/\text{NDF}: 381503.1/98$

- sign 9.143 ± 0.031 $\chi^2/\text{NDF}: 176762.2/50$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.720 ± 0.064 χ^2/NDF : 3842.2/22

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.621 ± 0.058 χ^2/NDF : 4370.8/27

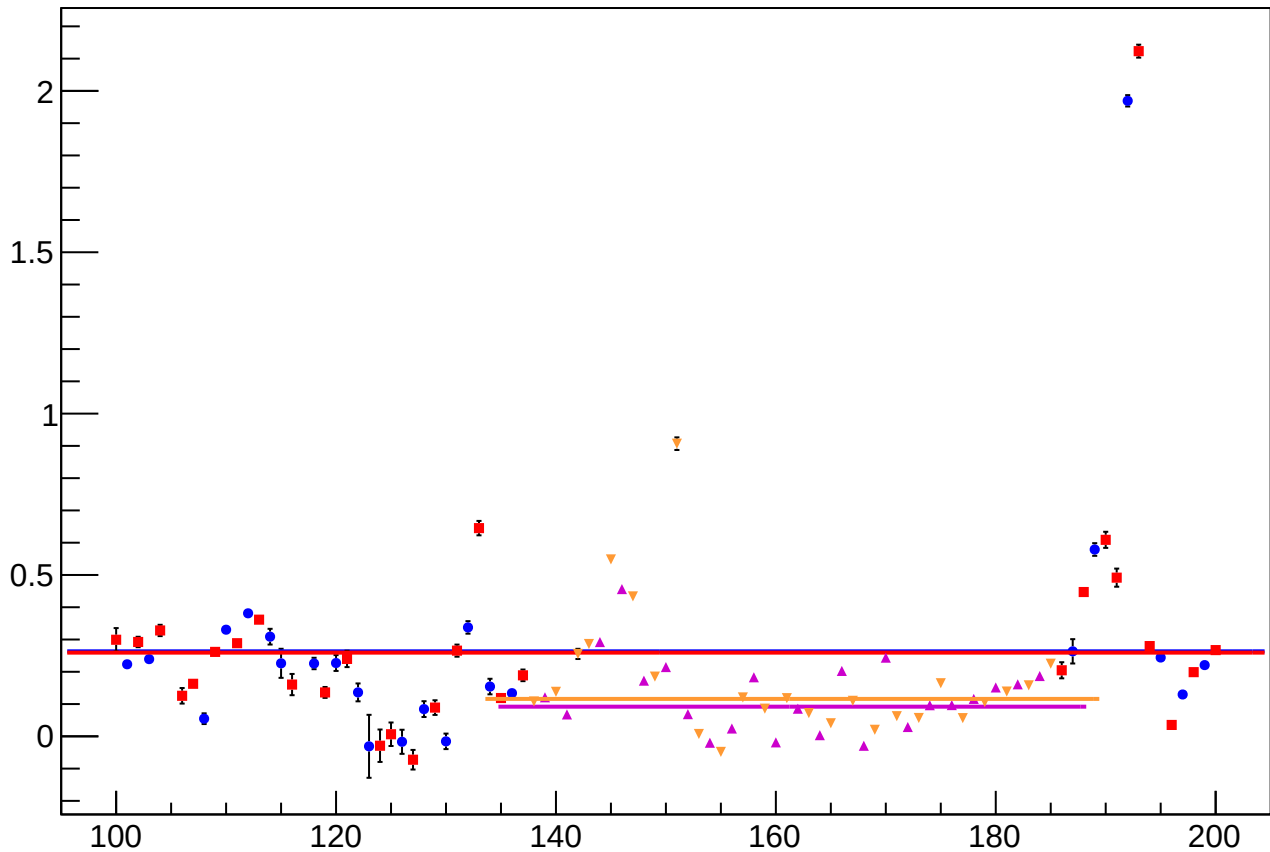
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.225 ± 0.032 χ^2/NDF : 11578.6/47

All: -1.104 ± 0.022 χ^2/NDF : 22631.5/98

- sign -0.996 ± 0.030 χ^2/NDF : 11025.7/50

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.263 ± 0.003 χ^2/NDF : 10751.6/22

Left Out: 0.116 ± 0.002 χ^2/NDF : 4463.0/24

Right Out: 0.259 ± 0.003 χ^2/NDF : 11060.6/27

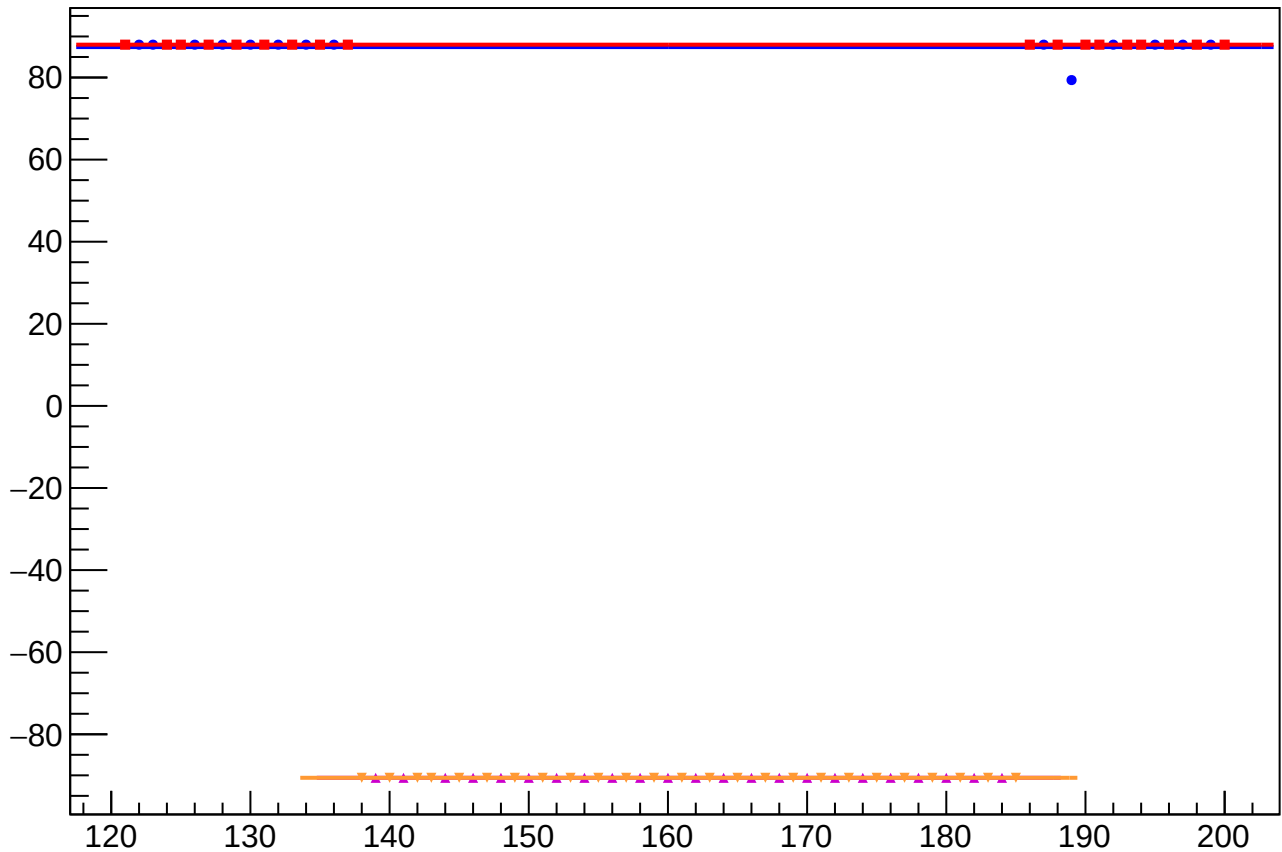
Left In: 0.092 ± 0.002 χ^2/NDF : 3631.4/22

+ sign 0.151 ± 0.001 χ^2/NDF : 17100.8/47

All: 0.142 ± 0.001 χ^2/NDF : 34765.9/98

- sign 0.134 ± 0.001 χ^2/NDF : 17588.3/50

VWienAngle_mean vs Slug



Right In: 87.415+/-0.000 χ^2/NDF : 3538345360007657214568451874488320.0/13

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 1158577.9/17

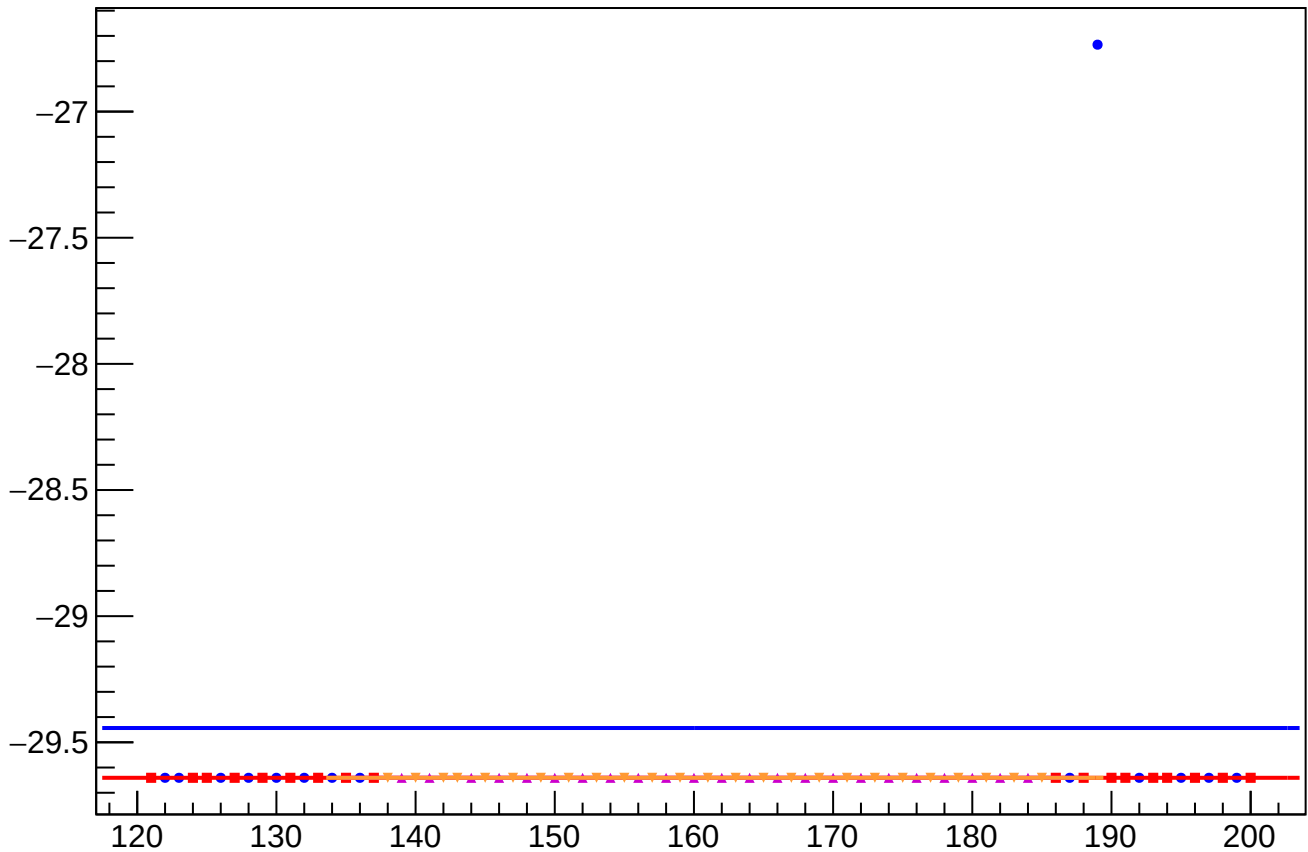
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -40.359+/-0.000 χ^2/NDF : 170854819421614

All: -35.149+/-0.000 χ^2/NDF : 367999751531

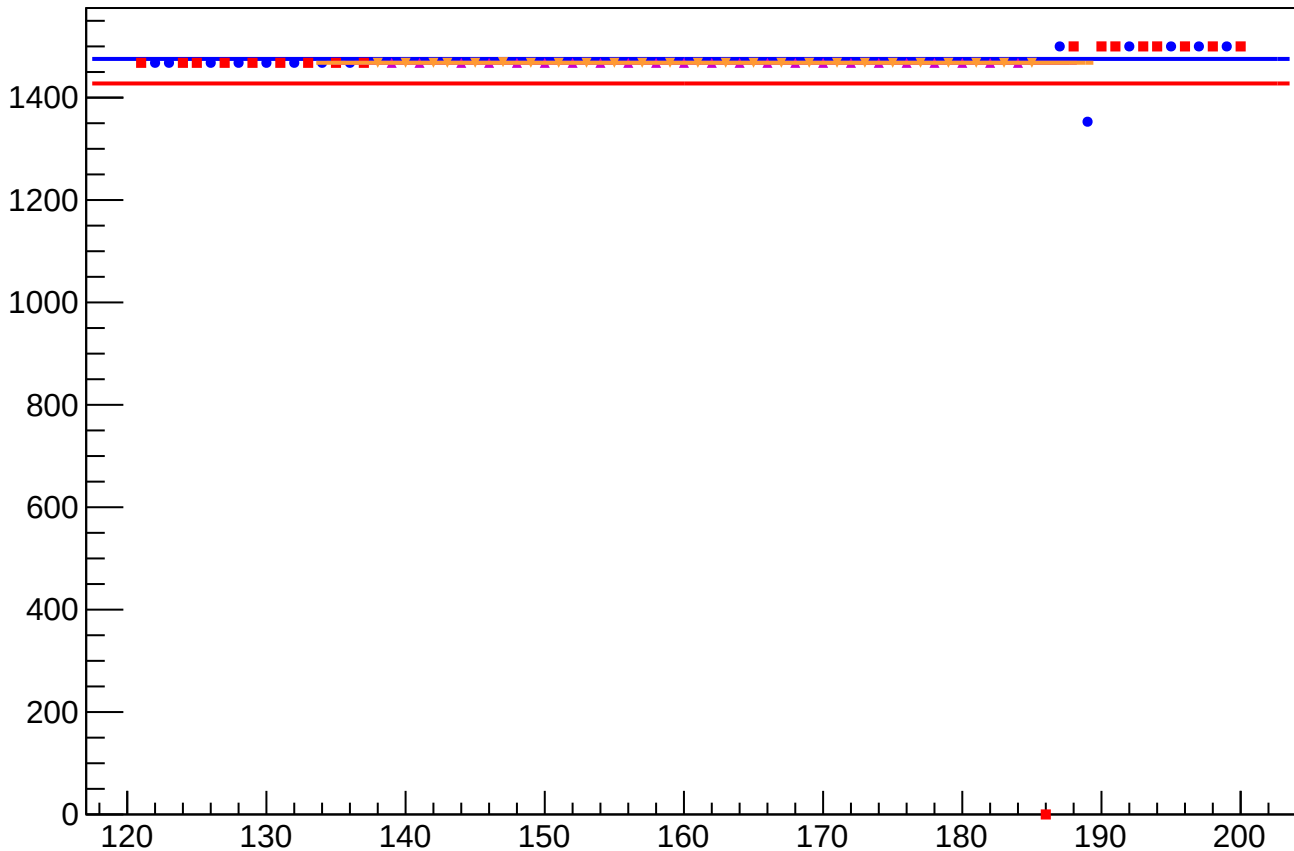
- sign -30.088+/-0.000 χ^2/NDF : 1957209447231834

HWienAngle_mean vs Slug



Right In: -29.443 $\pm$ 0.000 χ^2 /NDF: 401425483160399233181062189285376.0/13
Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 654199.2/24 + sign -29.585 $\pm$ 0.000 χ^2 /NDF: 422418051107274
Right Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 1371986.9/17 All: -29.613 $\pm$ 0.000 χ^2 /NDF: 426604737295
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: 1475.560+/-0.000 χ^2/NDF : 1001920188265134545474508880540073984.0/13

+ sign 1470.168+/-0.000 χ^2/NDF : 10324654472649

Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24

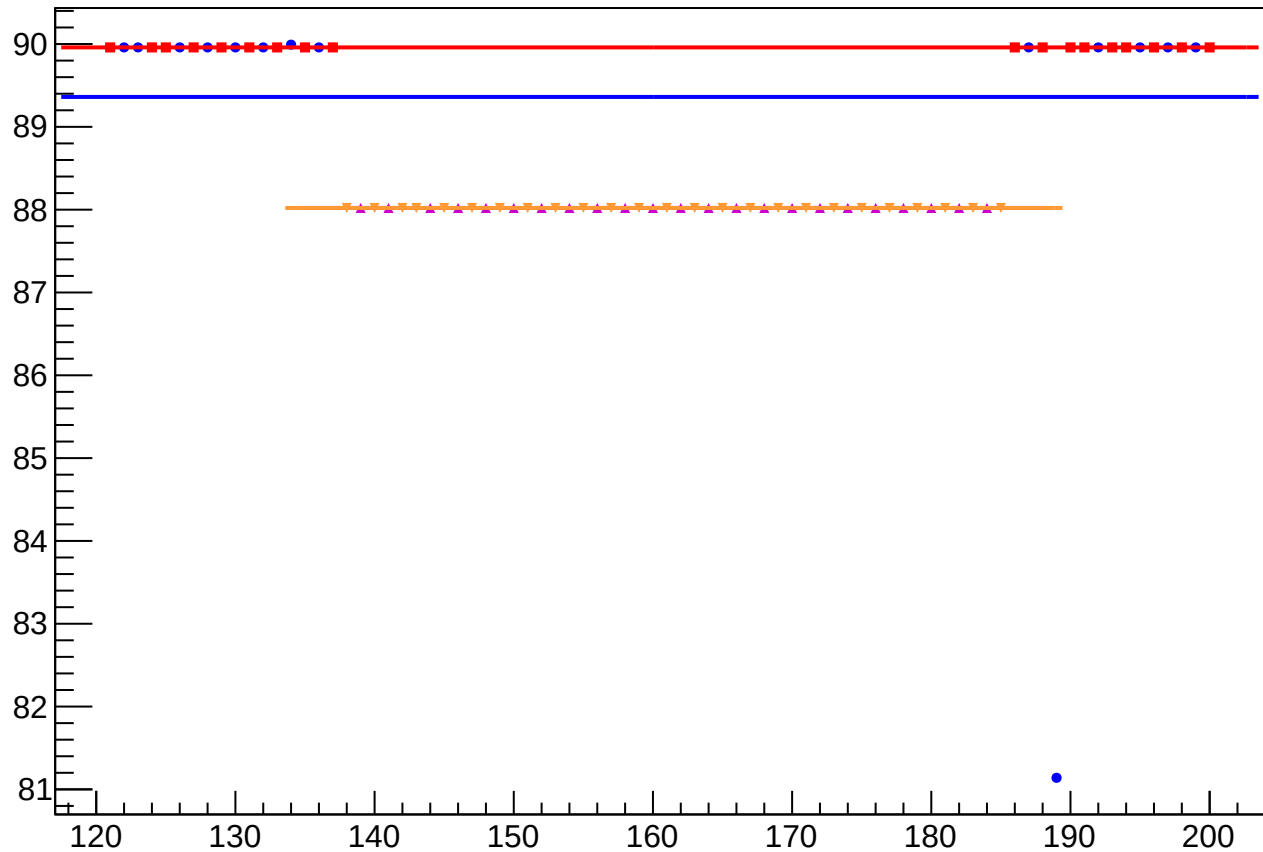
All: 1462.130+/-0.000 χ^2/NDF : 83335562883

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: 89.361 $\pm$ 0.000 χ^2 /NDF: 3698454601282448954642109959241728.0/13

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5326388.8/24

Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 2932492.6/17

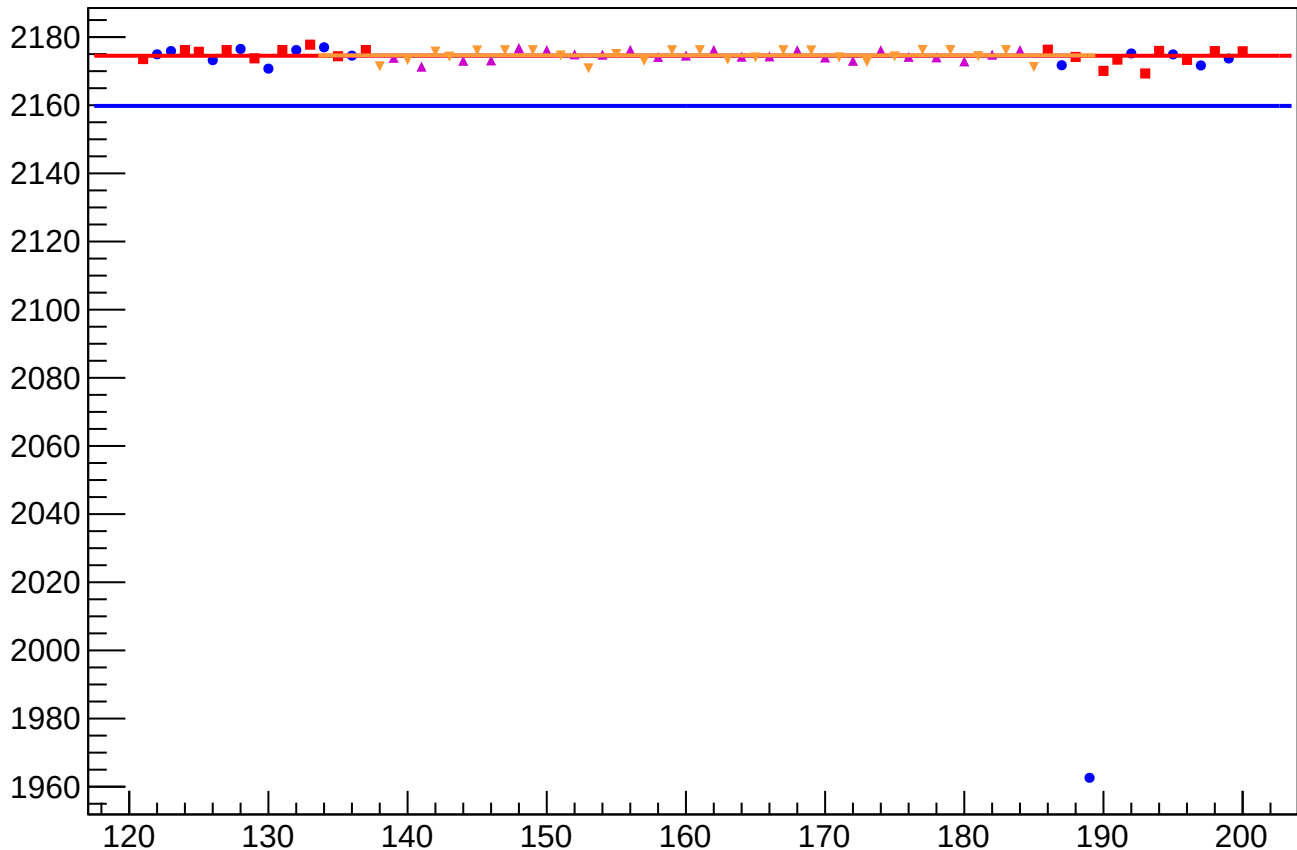
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6084099.2/22

+ sign 88.399 $\pm$ 0.000 χ^2 /NDF: 4667220778468164

All: 88.540 $\pm$ 0.000 χ^2 /NDF: 7077823578459

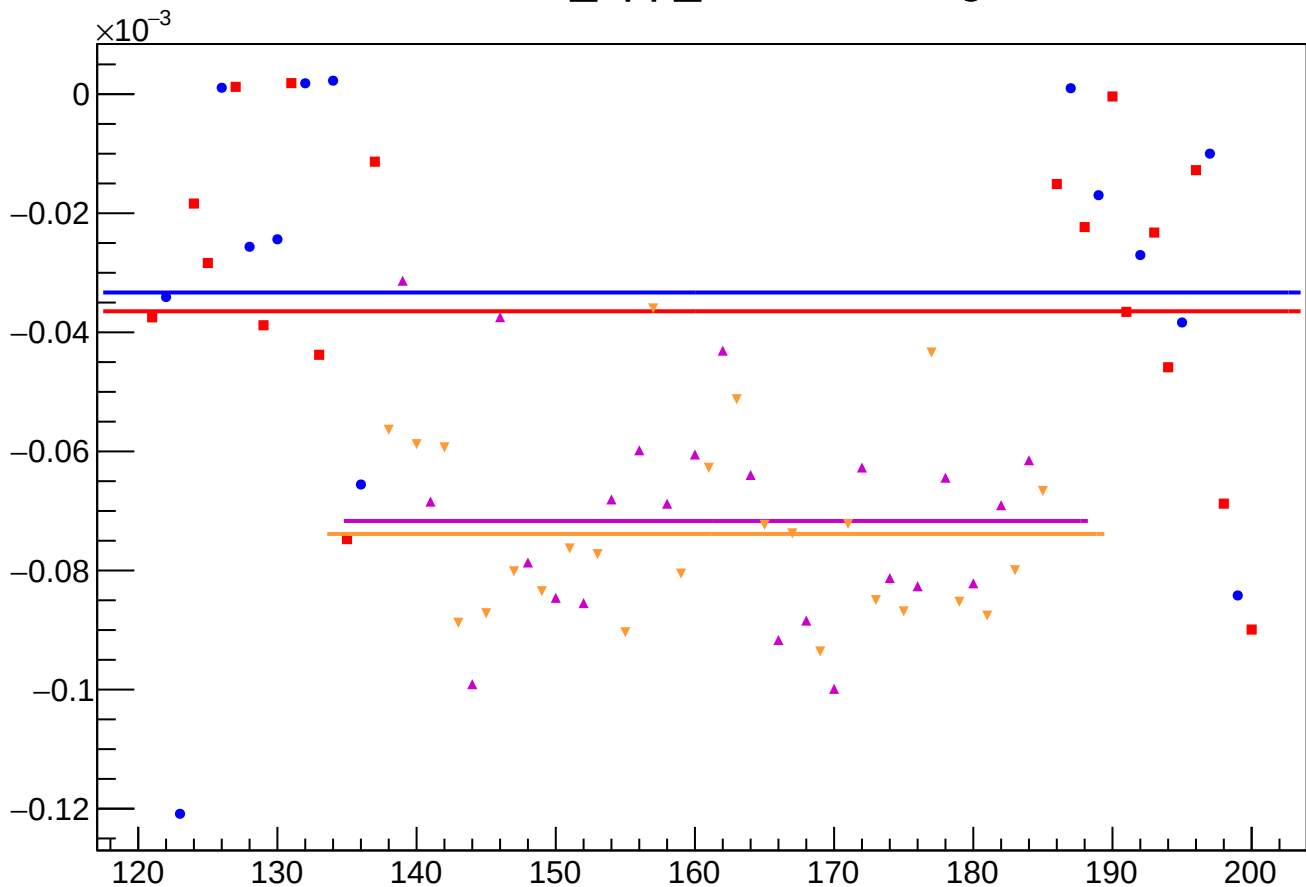
- sign 88.678 $\pm$ 0.000 χ^2 /NDF: 2305940041938054

HALLA_p_mean vs Slug



Right In: 2159.802+/-0.000	χ^2/NDF : 2129554453218760486399371524767219712.0/13
Left Out: 2174.622+/-0.000	+ sign 2170.439+/-0.000 χ^2/NDF : 22530653459465
Right Out: 2174.524+/-0.000	χ^2/NDF : 5110578135476093110874911595823104.0/24
Left In: 2174.539+/-0.000	All: 2172.516+/-0.000 χ^2/NDF : 22834777919
	- sign 2174.534+/-0.000 χ^2/NDF : 77819853198523
	χ^2/NDF : 3400742562425168967494665391570944.0/22

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000

χ^2/NDF : 563830598887660087934976.0/13

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

+ sign -0.000 ± 0.000

χ^2/NDF : 1900536100714766

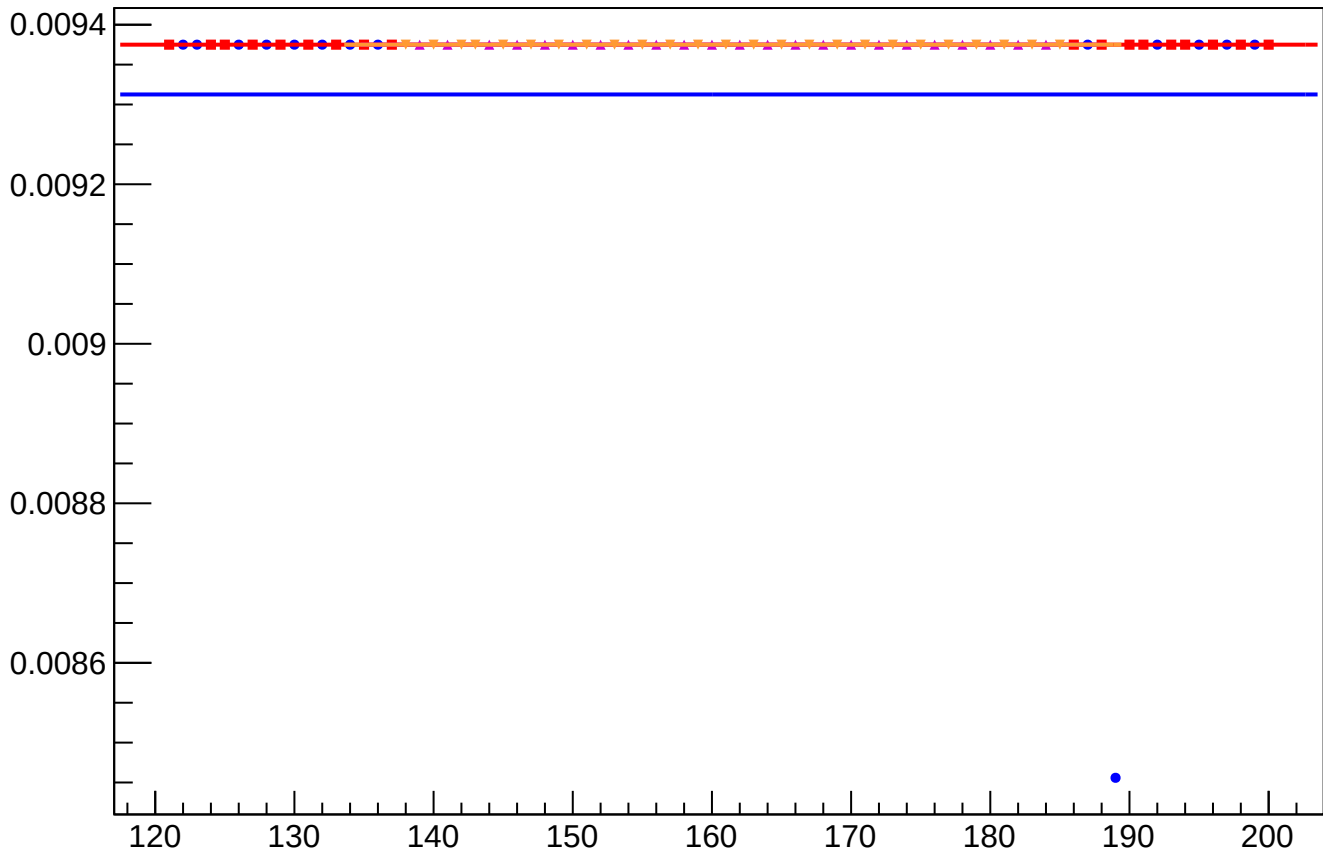
All: -0.000 ± 0.000

χ^2/NDF : 3924478296647

- sign -0.000 ± 0.000

χ^2/NDF : 20143518058136905

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40157853254483334458769408.0/13

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/17

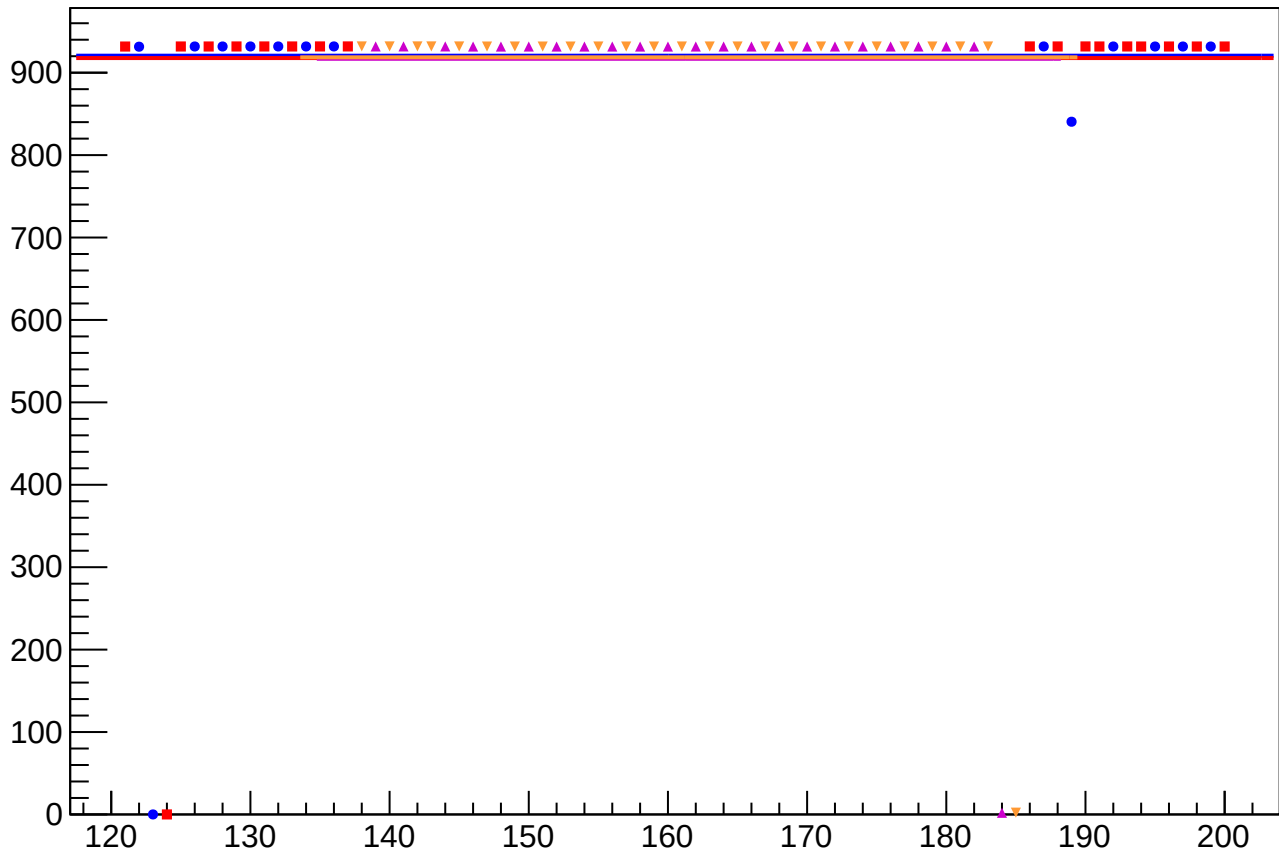
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42257910421777402

All: 0.009+/-0.000 χ^2/NDF : 42676738664214

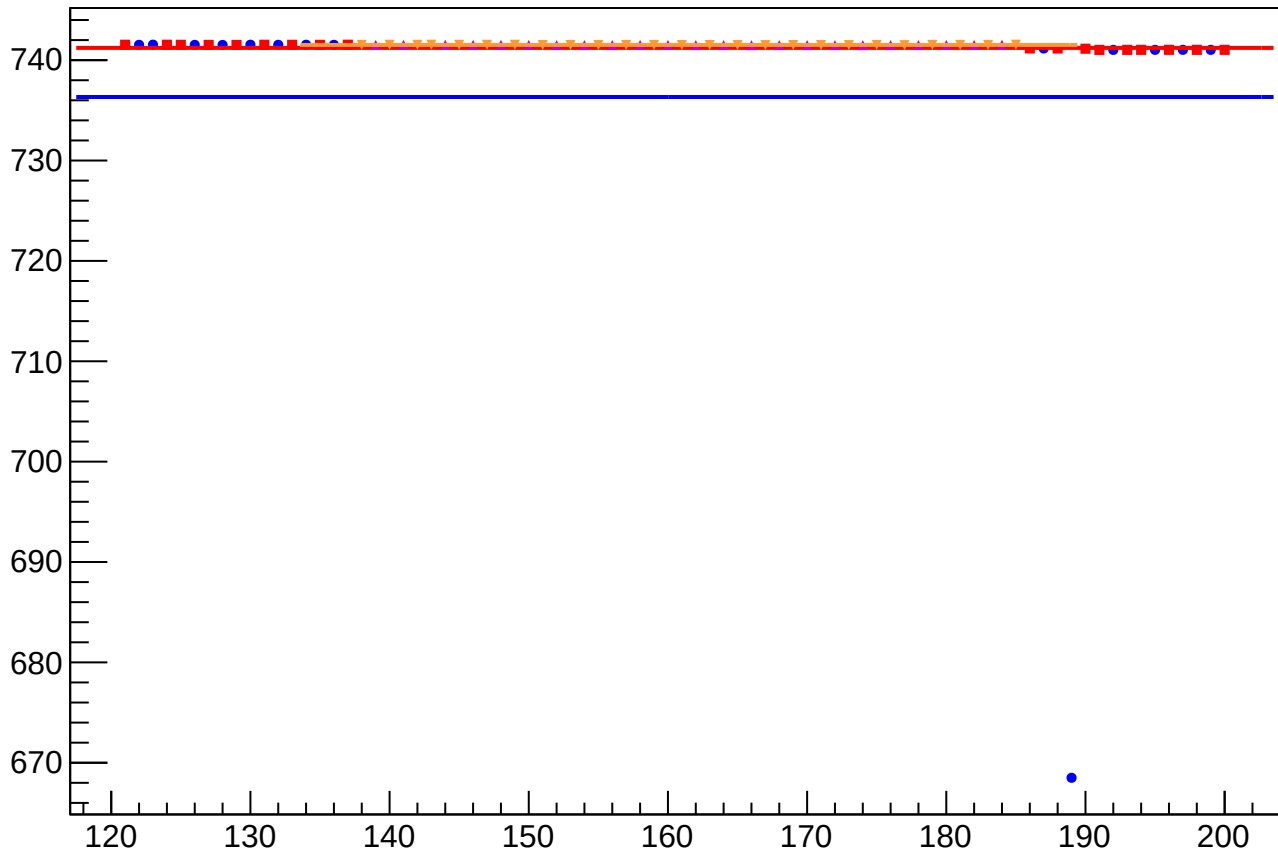
- sign 0.009+/-0.000 χ^2/NDF : 0.2/40

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.625+/-0.000 χ^2/NDF : 3804190369618180978650467391384846336.0/13
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 917.748+/-0.000 χ^2/NDF : 11971439823183225945788962182384320512.0/17
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22
 All: 918.177+/-0.000 χ^2/NDF : 634551145045
 + sign 919.204+/-0.000 χ^2/NDF : 268098034288396
 - sign 917.180+/-0.000 χ^2/NDF : 366397863544701

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 736.330+/-0.000 χ^2/NDF : 251782055934016423867229195384913920.0/13

Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24

Right Out: 741.222+/-0.000 χ^2/NDF : 47346207216501599857247669714944.0/17

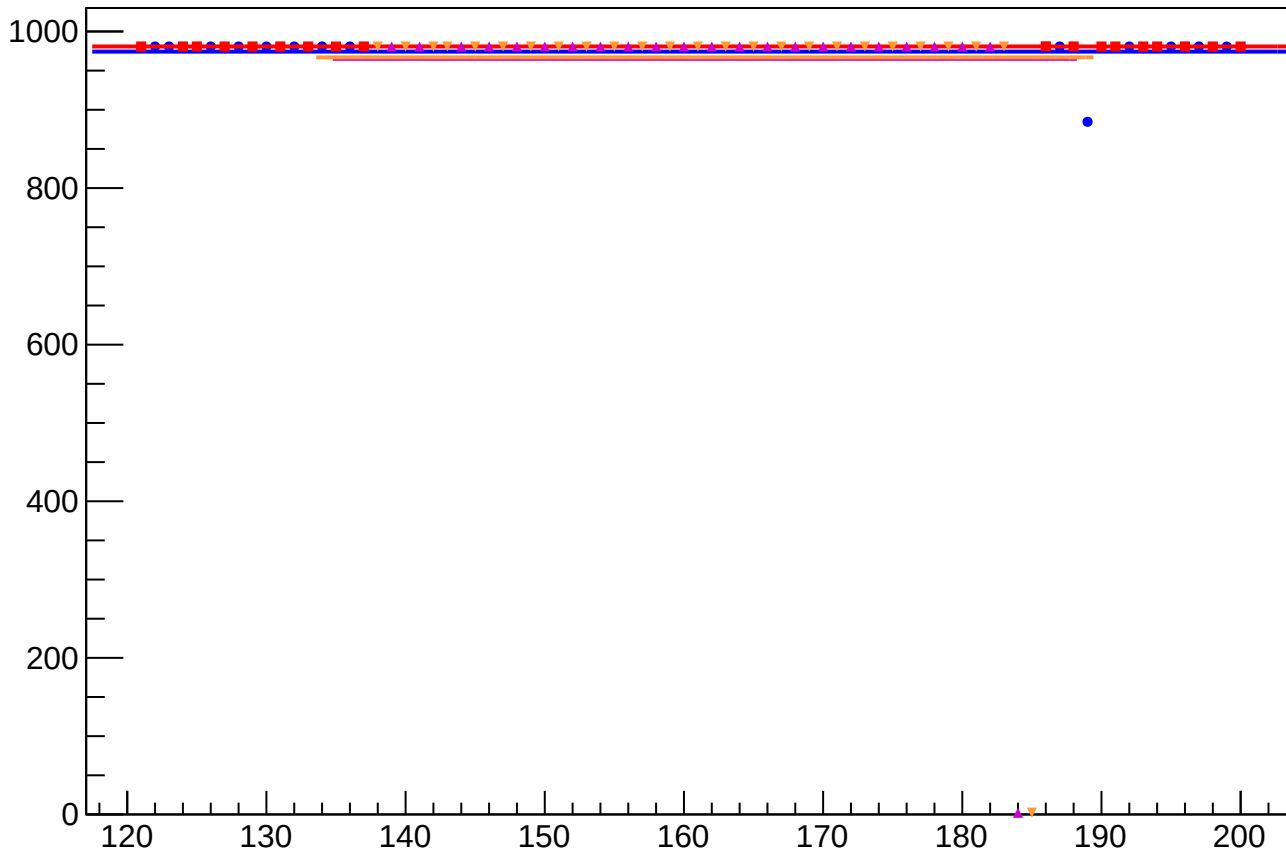
Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 740.050+/-0.000 χ^2/NDF : 266261095124606

All: 740.742+/-0.000 χ^2/NDF : 268870749314

- sign 741.414+/-0.000 χ^2/NDF : 991856265948773

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 974.288+/-0.000 χ^2/NDF : 439735995374896688966240975586328576.0/13

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.831+/-0.000 χ^2/NDF : 2905315201279300639803742093312.0/17

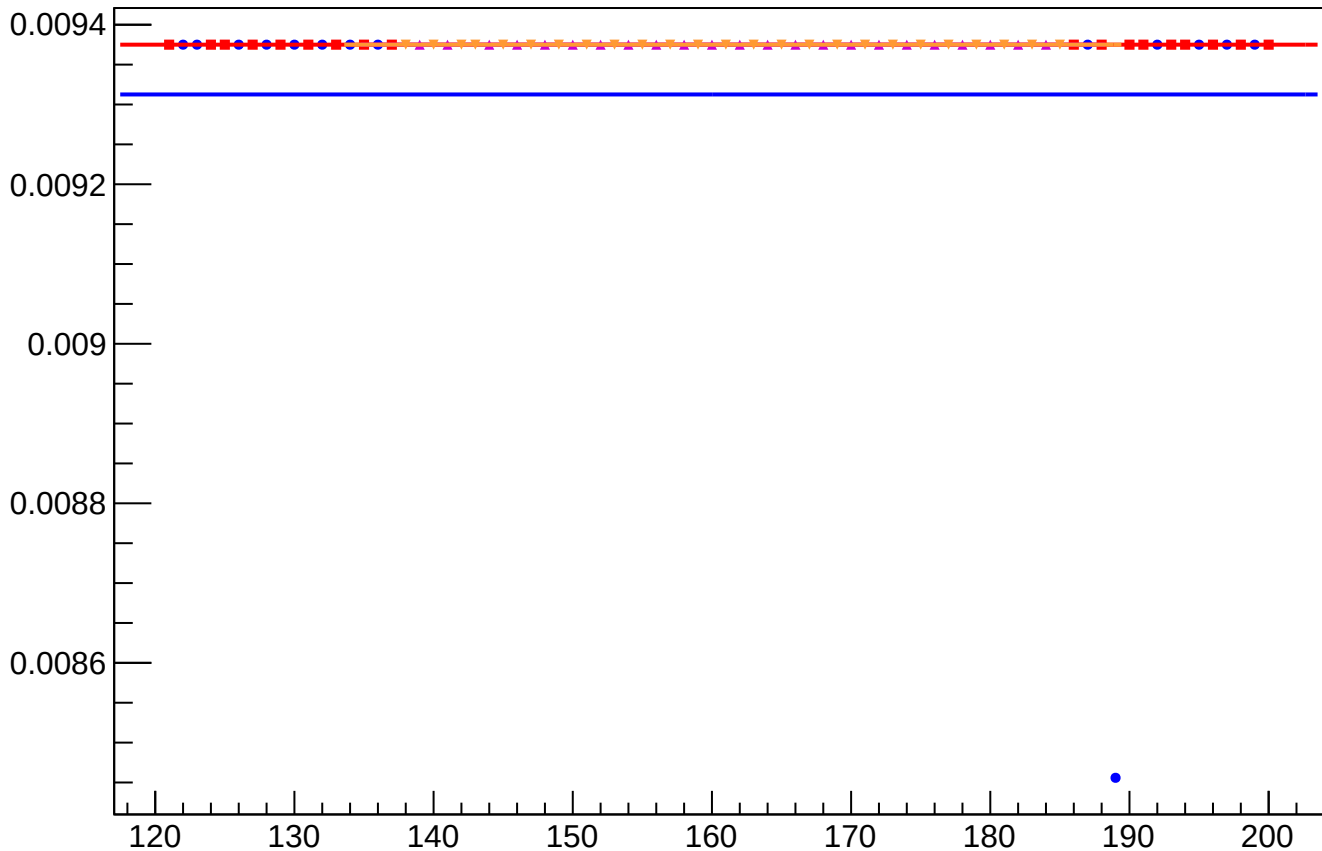
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 969.011+/-0.000 χ^2/NDF : 259544500082795

All: 969.731+/-0.000 χ^2/NDF : 534393040336

- sign 970.431+/-0.000 χ^2/NDF : 274821305118890

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40157853254483334458769408.0/13

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/17

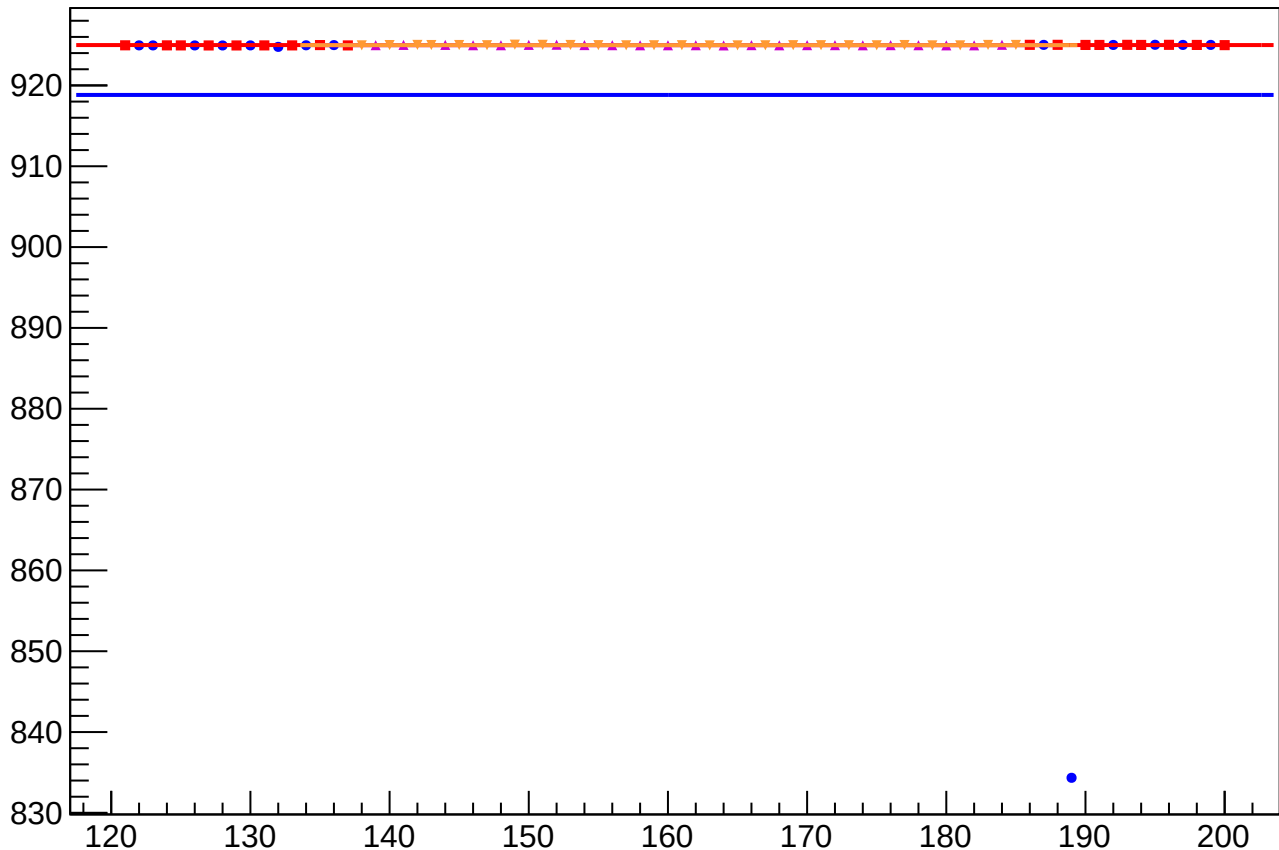
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42257910421777402

All: 0.009+/-0.000 χ^2/NDF : 42676738664214

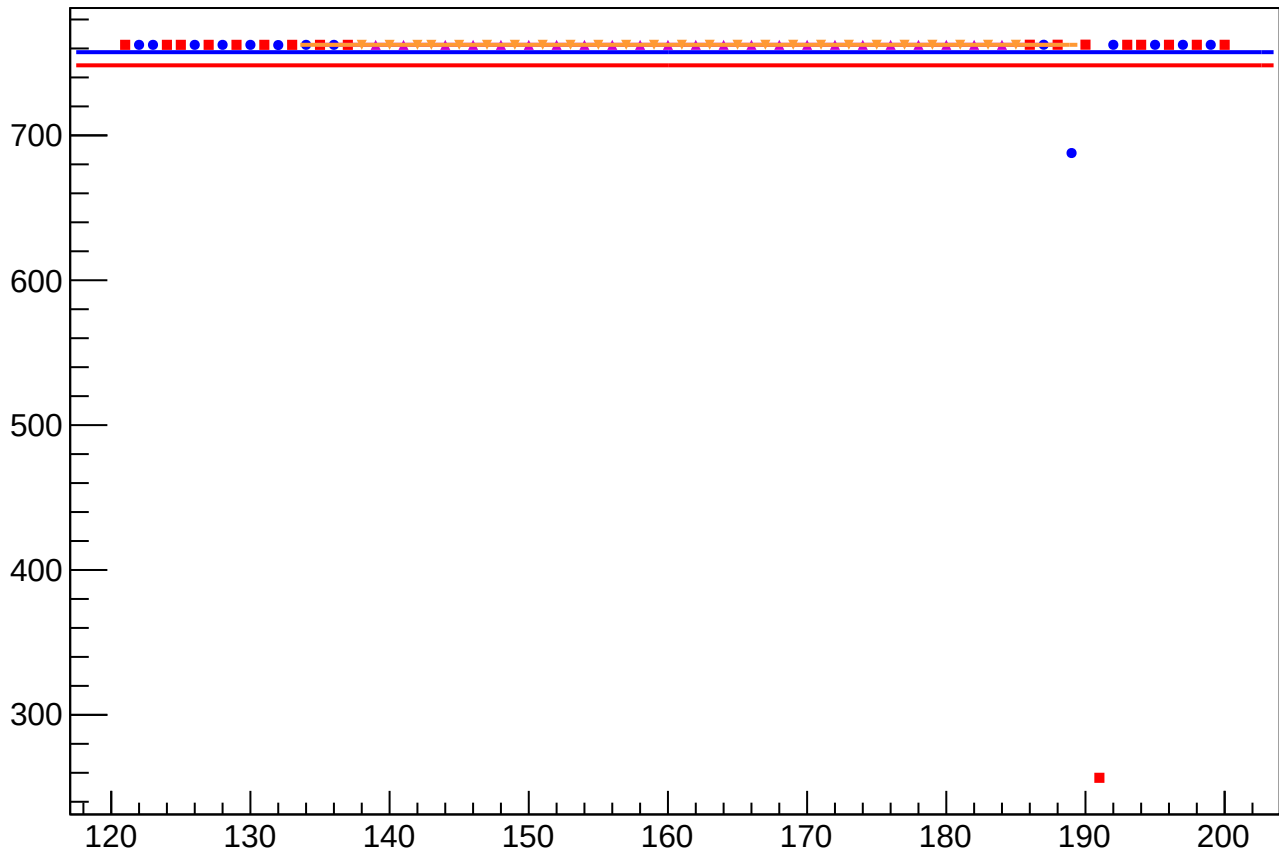
- sign 0.009+/-0.000 χ^2/NDF : 0.2/40

HacR_Q2_HP3458A_IOUT_mean vs Slug



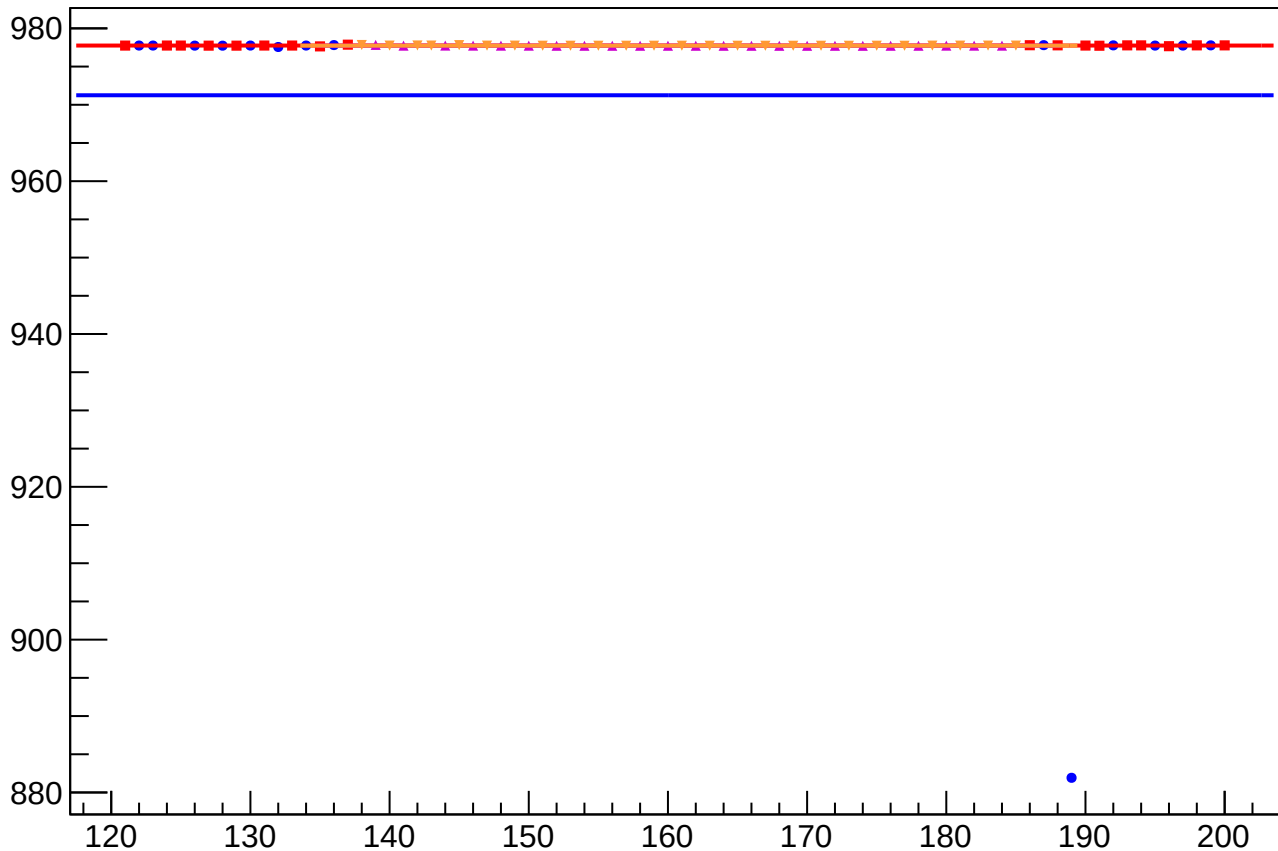
Right In: 918.823+/-0.000 χ^2/NDF : 390522818787791618533520310389440512.0/13
 Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
 Right Out: 924.993+/-0.000 χ^2/NDF : 776362329541842193364916633600.0/17
 Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22
 All: 924.128+/-0.000 χ^2/NDF : 415072371860
 + sign 923.244+/-0.000 χ^2/NDF : 410974858312006
 - sign 924.986+/-0.000 χ^2/NDF : 172482653060350

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 757.435+/-0.000 χ^2/NDF : 265234076346117557753876802112061440.0/13
 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
 All: 759.377+/-0.000 χ^2/NDF : 688744141395
 + sign 761.084+/-0.000 χ^2/NDF : 279161814560860
 - sign 757.720+/-0.000 χ^2/NDF : 659300337519641

HacR_Q3_HP3458A_IOUT_mean vs Slug



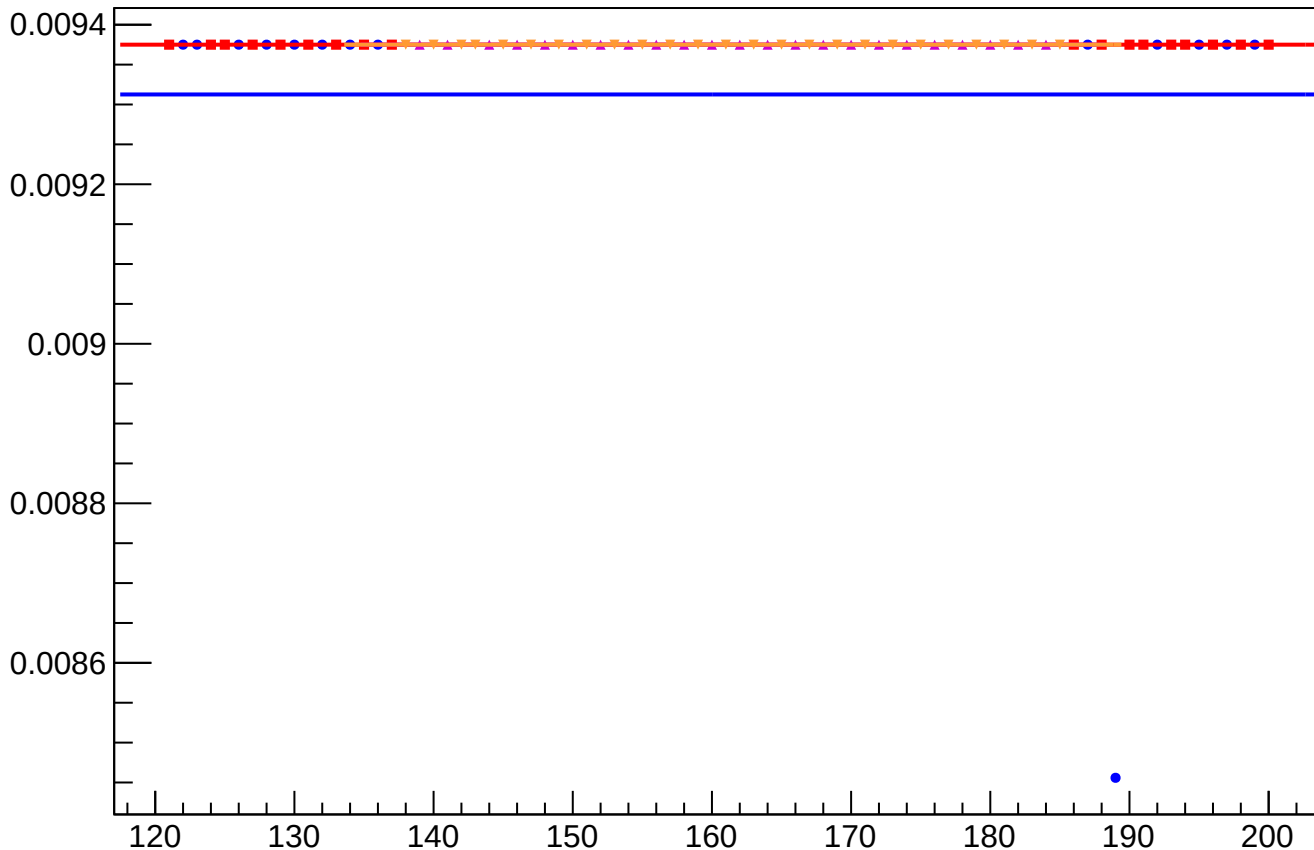
Right In: 971.245 $\pm$ 0.000 χ^2 /NDF: 436576269148420748179436968202993664.0/13

Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24

Right Out: 977.751 $\pm$ 0.000 χ^2 /NDF: 1762305474556793661717871591424.0/17

Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40157853254483334458769408.0/13

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

+ sign 0.009+/-0.000 χ^2/NDF : 42257910421777402

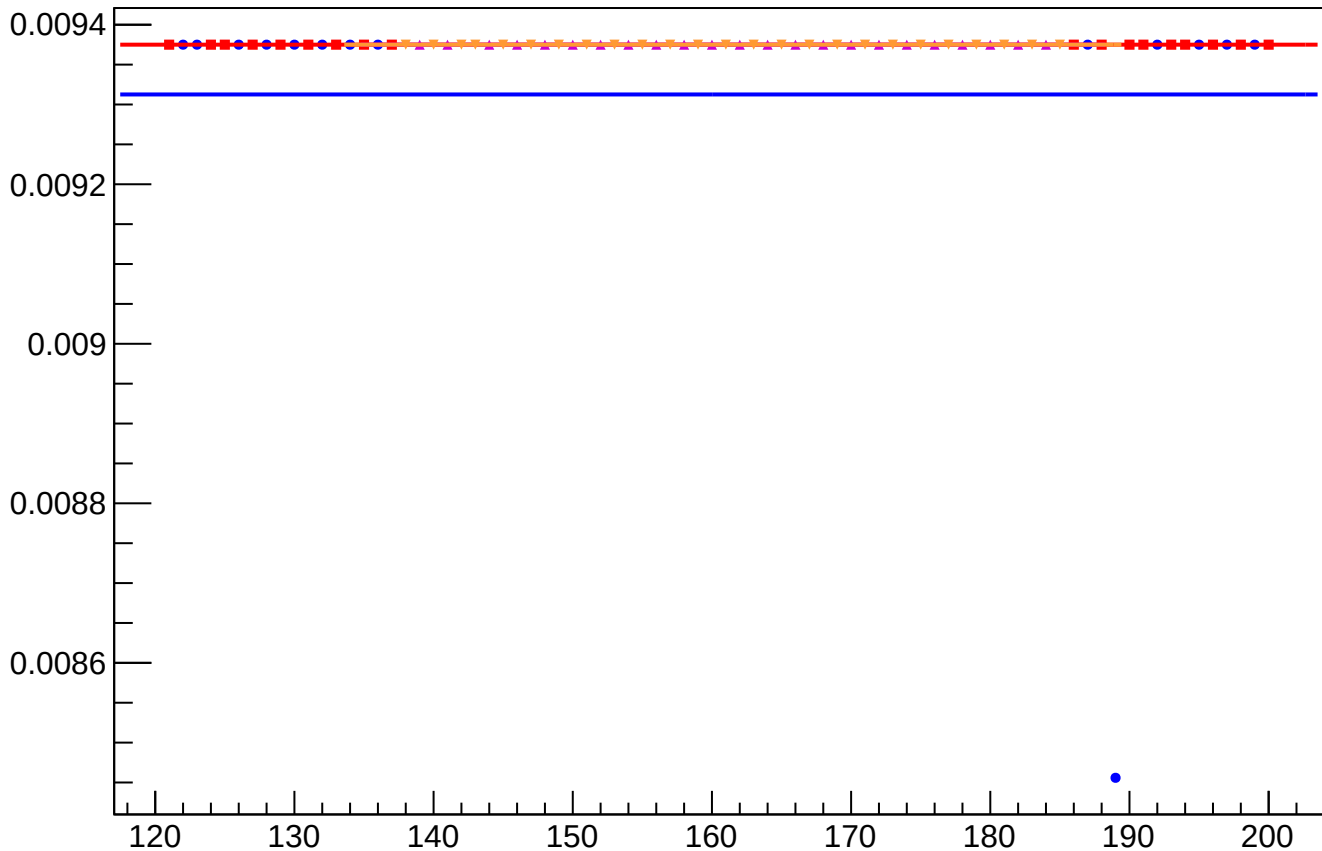
Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/17

All: 0.009+/-0.000 χ^2/NDF : 42676738664214

- sign 0.009+/-0.000 χ^2/NDF : 0.2/40

Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40157853254483334458769408.0/13

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/17

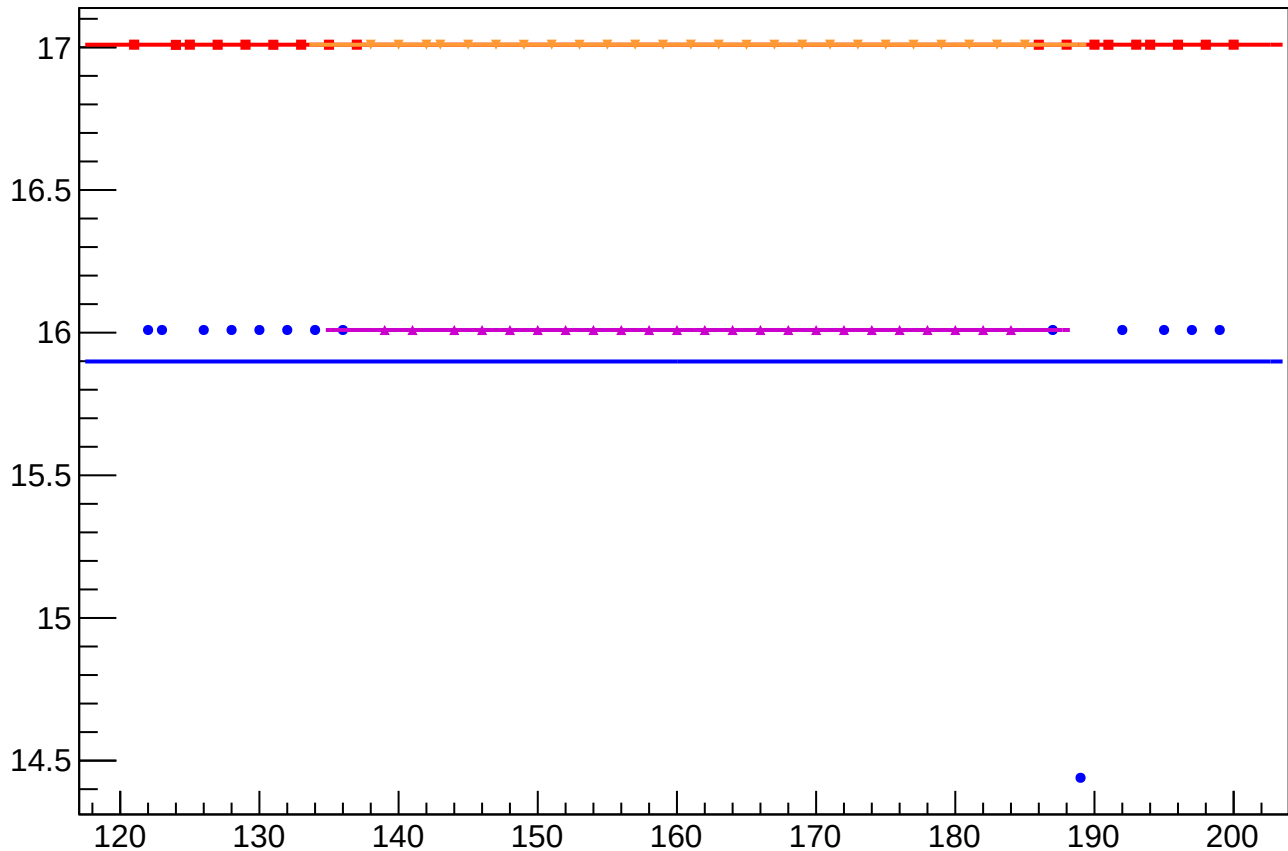
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42257910421777402

All: 0.009+/-0.000 χ^2/NDF : 42676738664214

- sign 0.009+/-0.000 χ^2/NDF : 0.2/40

IGL1I00DI24_24M_mean vs Slug



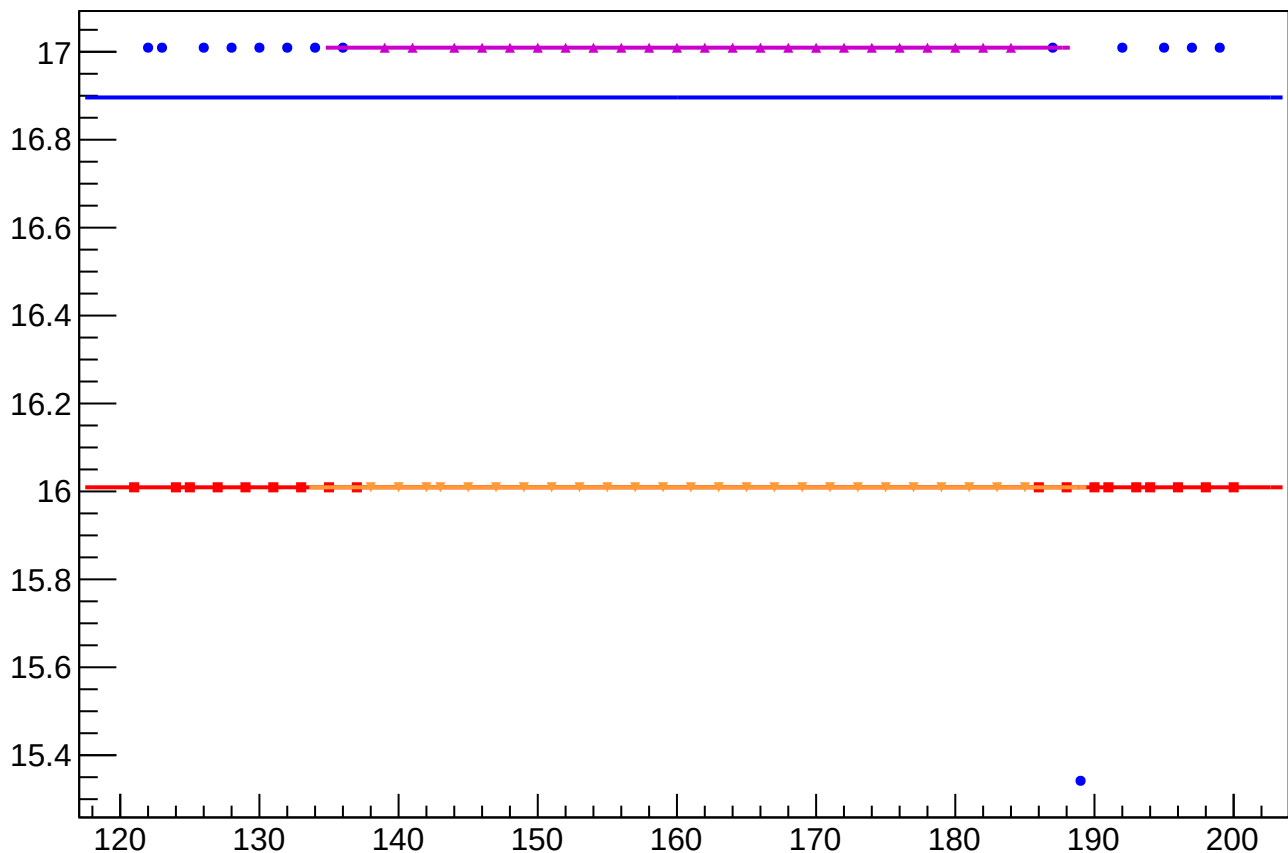
Right In: 15.899 $\pm$ 0.000 χ^2/NDF : 116799363920405107476710731808768.0/13

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 26284444608576238643052544.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 13521441142497224035401728.0/17

Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 127973174512756677672960.0/22

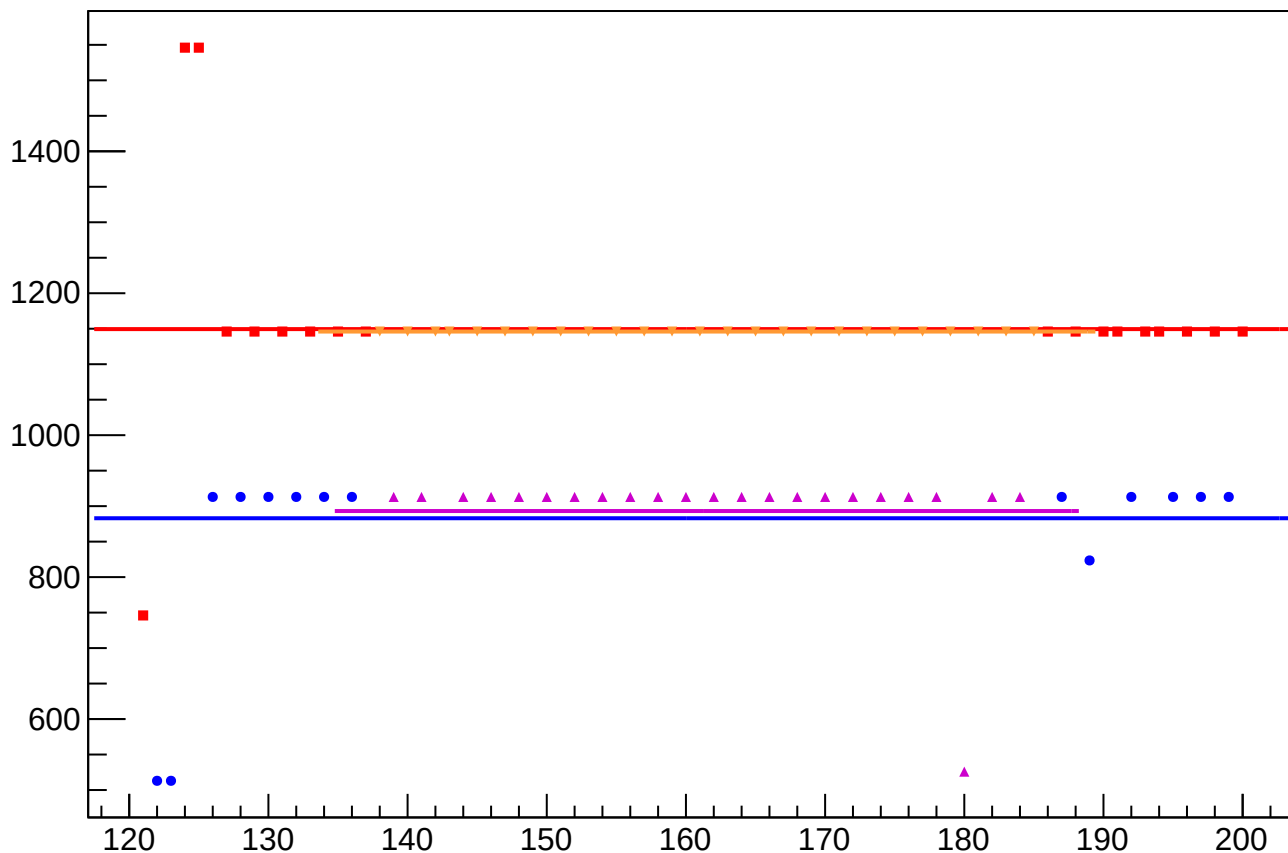
IGL1I00OD16_16_mean vs Slug



Right In: 16.896 $\pm$ 0.000 χ^2 /NDF: 132191839980310322447136424198144.0/13
 Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 89740.8/24
 Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 213951.7/17
 Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 115033472633445654986752.0/22

+ sign 16.262 $\pm$ 0.000 χ^2 /NDF: 5545481082344501
 All: 16.466 $\pm$ 0.000 χ^2 /NDF: 1379291182999
 - sign 16.665 $\pm$ 0.000 χ^2 /NDF: 6083304381272961

RTPAPOSUCNT_mean vs Slug



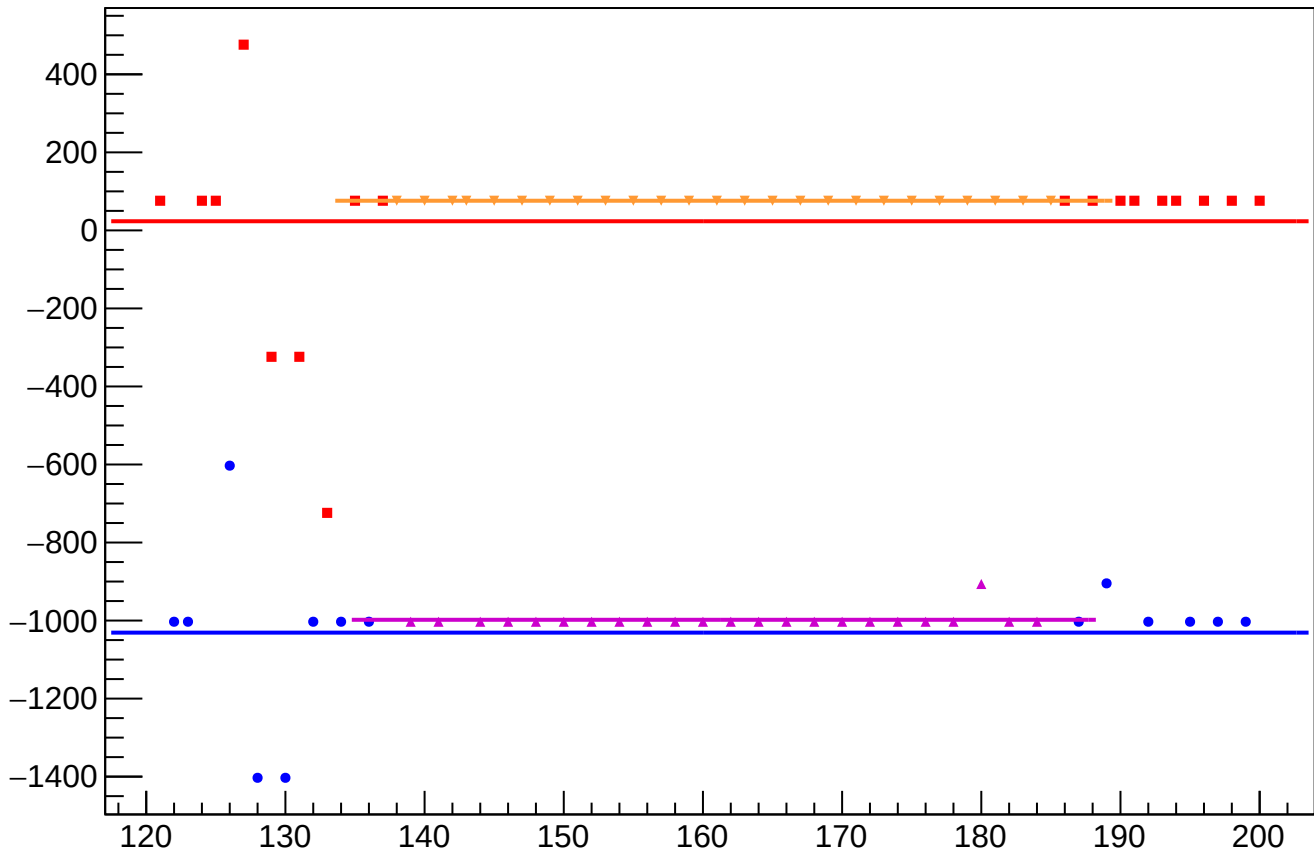
Right In: 882.948+/-0.000 χ^2/NDF : 6930695119439194472263479656368308224.0/13

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

RTPAPOSVCNT_mean vs Slug



Right In: -1030.932 ± 0.000 $\chi^2/\text{NDF}: 23106385924888050694275359873739784192.0/13$
 Left Out: 76.011 ± 0.000 $\chi^2/\text{NDF}: 11003263624957134120836661248.0/24$
 Right Out: 23.424 ± 0.000 $\chi^2/\text{NDF}: 44473523336961314133920913772251185152.0/17$
 Left In: -998.020 ± 0.000 $\chi^2/\text{NDF}: 826231736084035689068445378231140352.0/22$