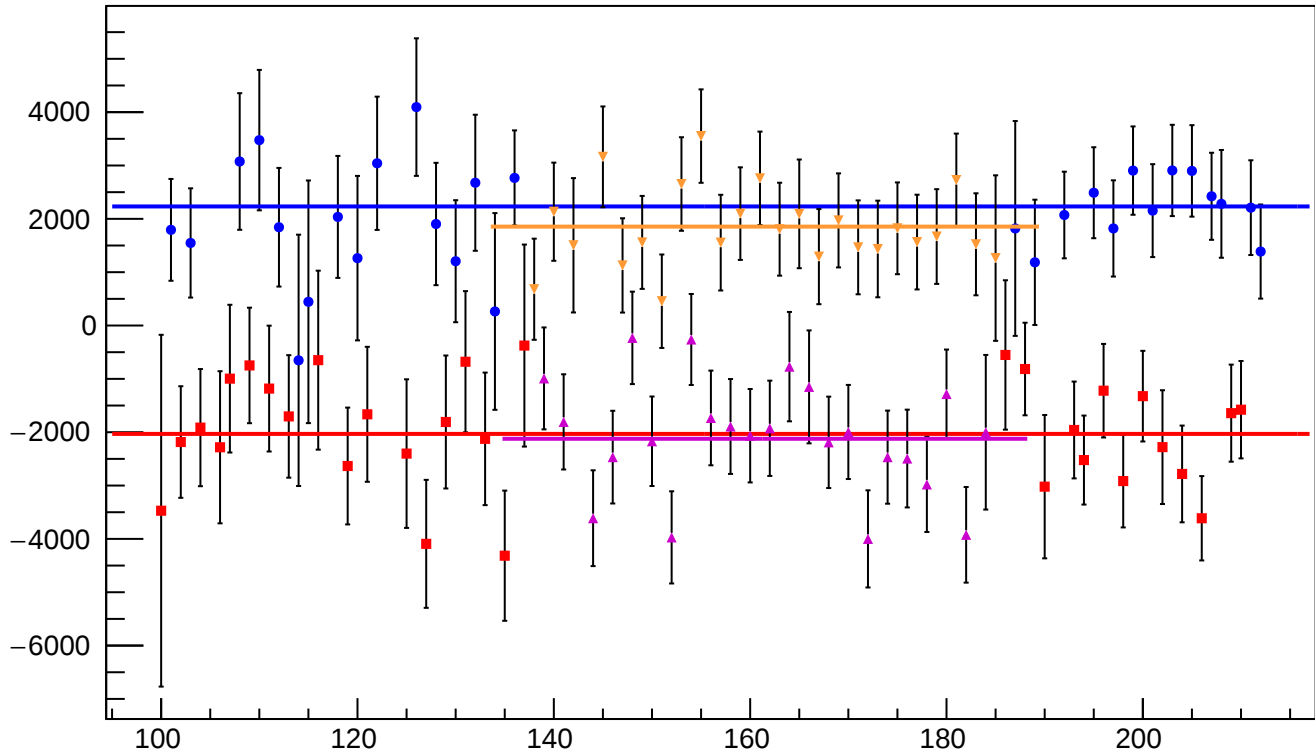


reg_asym_us_avg_mean vs Slug



Right In: 2232.280+/-195.477

χ^2/NDF : 13.7/28

Left Out: 1854.267+/-187.405

χ^2/NDF : 15.1/23

Right Out: -2031.700+/-195.482

χ^2/NDF : 24.0/30

Left In: -2123.138+/-188.684

χ^2/NDF : 32.0/22

+ sign 2035.308+/-135.279

χ^2/NDF : 30.8/52

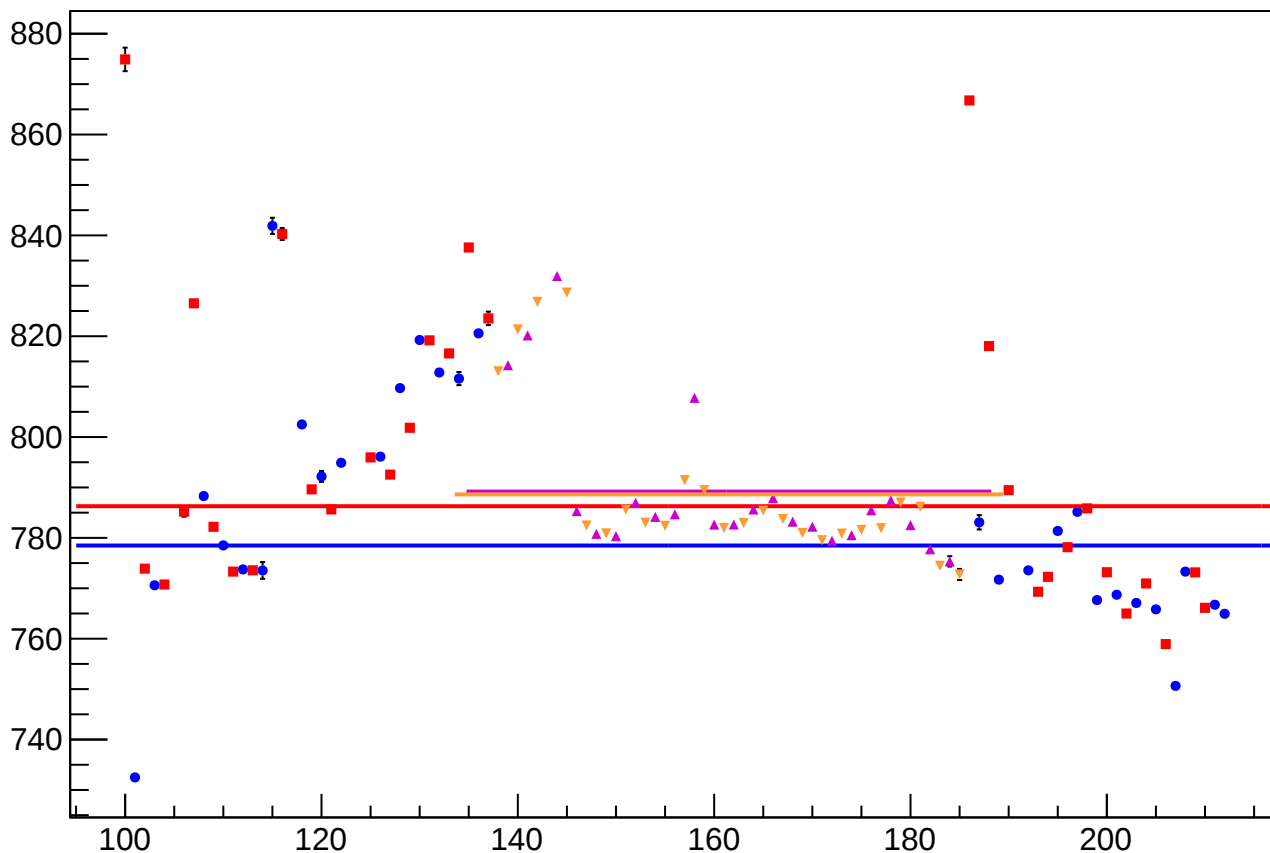
All: -14.571+/-95.826

χ^2/NDF : 547.7/106

- sign -2079.037+/-135.760

χ^2/NDF : 56.1/53

reg_asym_us_avg_rms vs Slug



Right In: 778.481 $\pm$ 0.138 χ^2 /NDF: 23682.6/28

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

Right Out: 786.283 $\pm$ 0.138 χ^2 /NDF: 29982.8/30

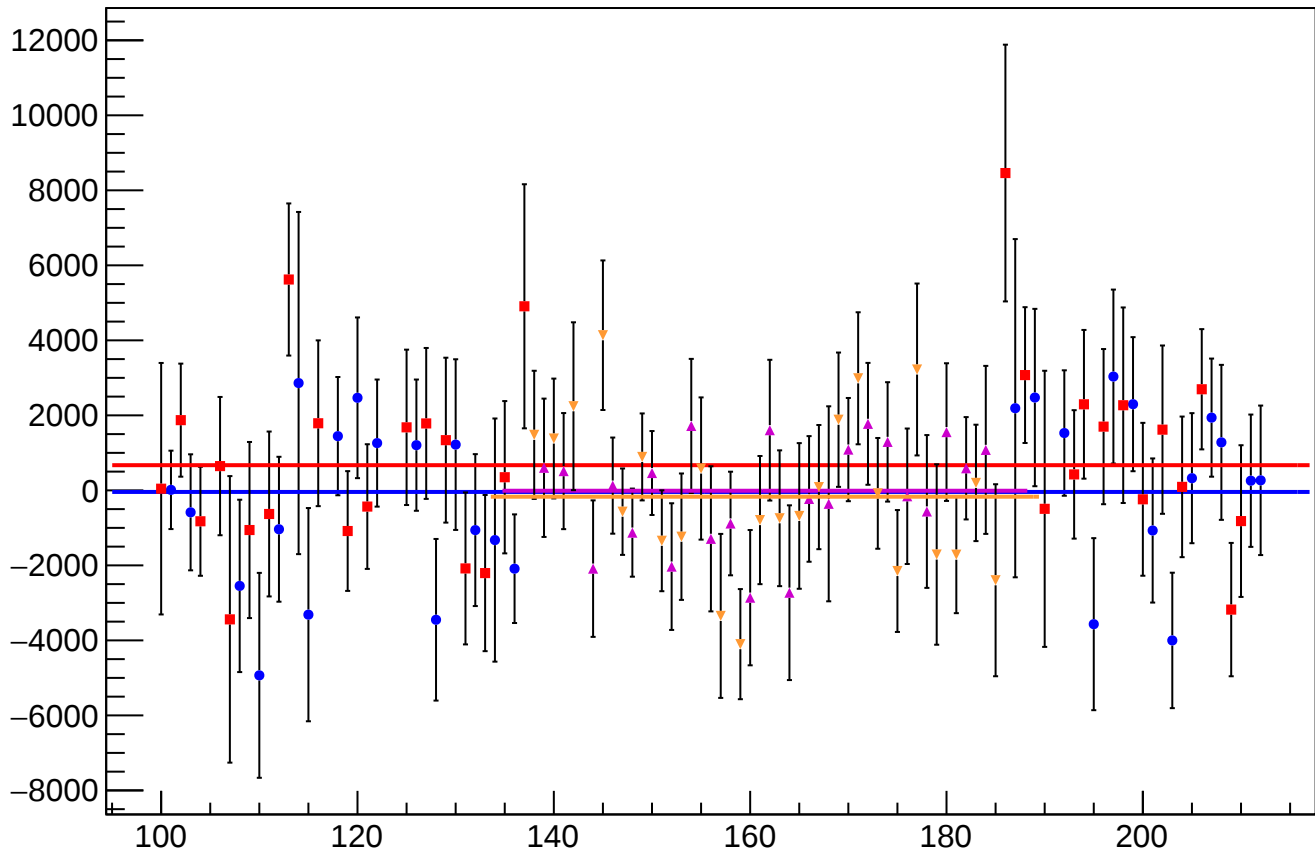
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 783.769 $\pm$ 0.096 χ^2 /NDF: 37969.5/52

All: 785.770 $\pm$ 0.068 χ^2 /NDF: 80401.9/106

- sign 787.785 $\pm$ 0.096 χ^2 /NDF: 41554.3/53

asym_us_avg_correction_mean vs Slug



Right In: -41.945 ± 353.306 χ^2/NDF : 30.4/28

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

Right Out: 671.409 ± 363.496 χ^2/NDF : 33.4/30

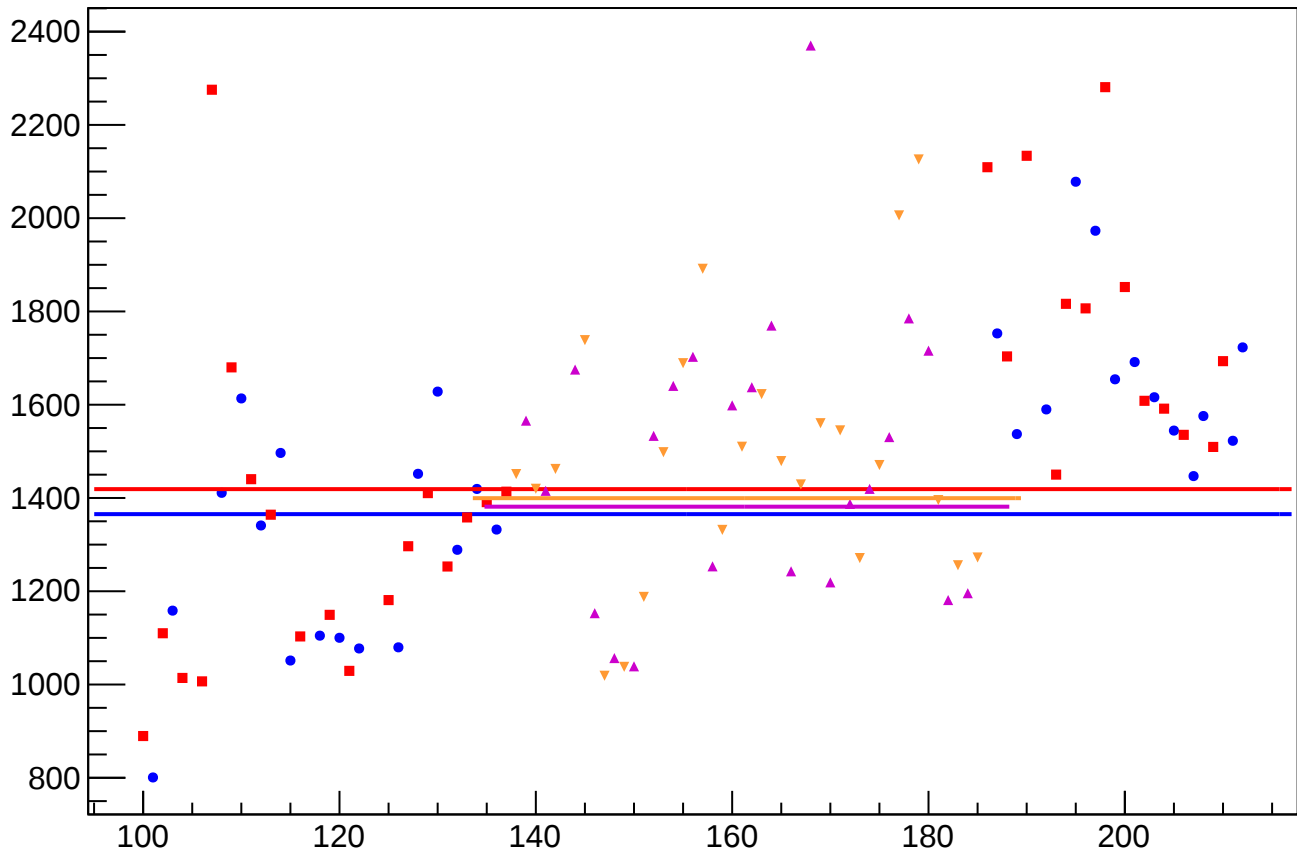
Left In: -10.093 ± 337.810 χ^2/NDF : 14.2/22

+ sign -107.927 ± 245.132 χ^2/NDF : 60.4/52

All: 96.954 ± 174.148 χ^2/NDF : 111.4/106

- sign 305.731 ± 247.451 χ^2/NDF : 49.5/53

asym_us_avg_correction_rms vs Slug



Right In: 1365.358 $\pm$ 0.250 χ^2 /NDF: 1561889.0/28

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

Right Out: 1418.993 $\pm$ 0.257 χ^2 /NDF: 1523336.5/30

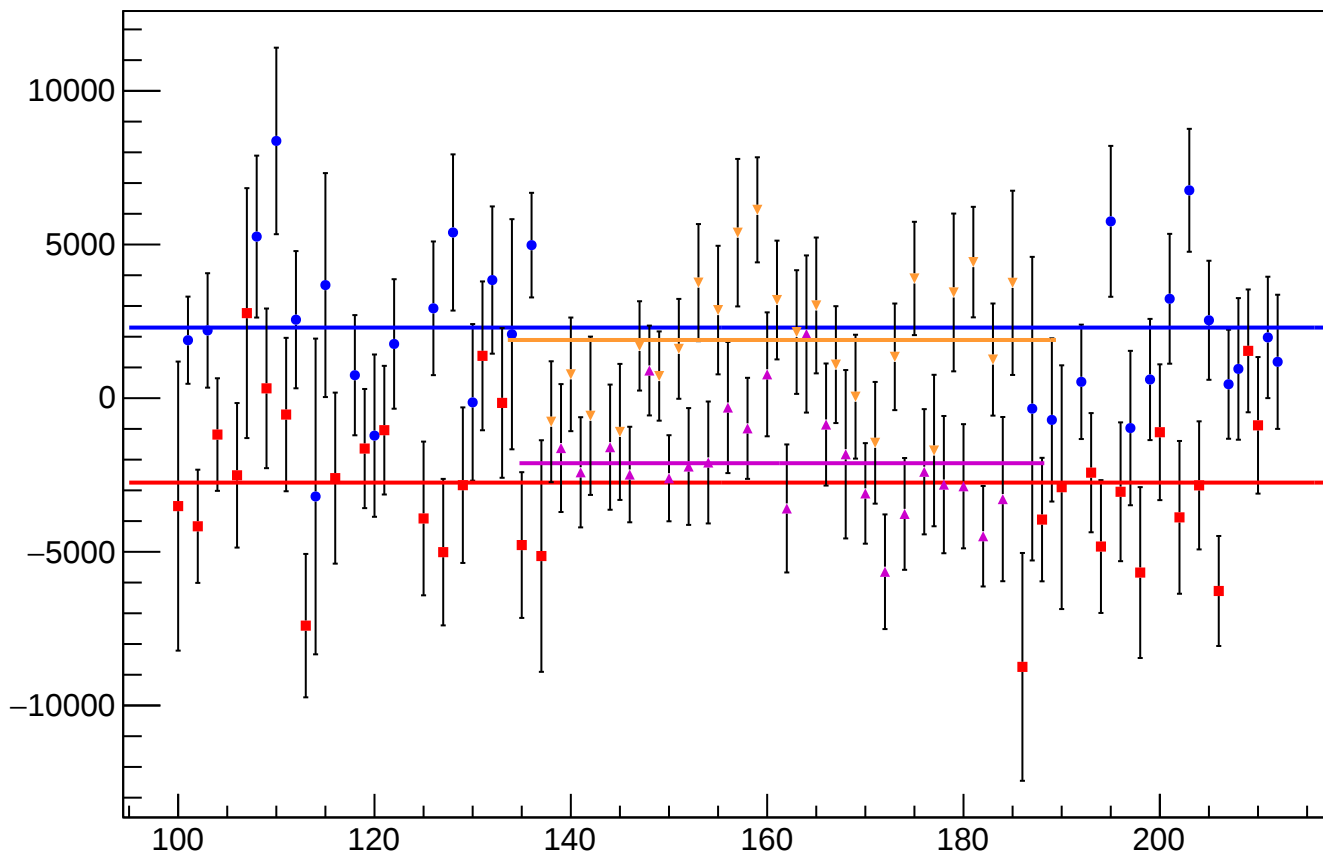
Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF:1276488.2/22

+ sign 1383.109 $\pm$ 0.173 χ^2 /NDF: 2690749.6/52

All: 1390.880 $\pm$ 0.123 χ^2 /NDF: 5506135.8/10

- sign 1398.799 $\pm$ 0.175 χ^2 /NDF: 2811328.0/53

asym_us_avg_mean vs Slug



Right In: 2297.574 ± 413.141 $\chi^2/\text{NDF}: 28.3/28$

Left Out: 1893.469 ± 394.877 $\chi^2/\text{NDF}: 25.9/23$

Right Out: -2747.350 ± 421.605 $\chi^2/\text{NDF}: 31.7/30$

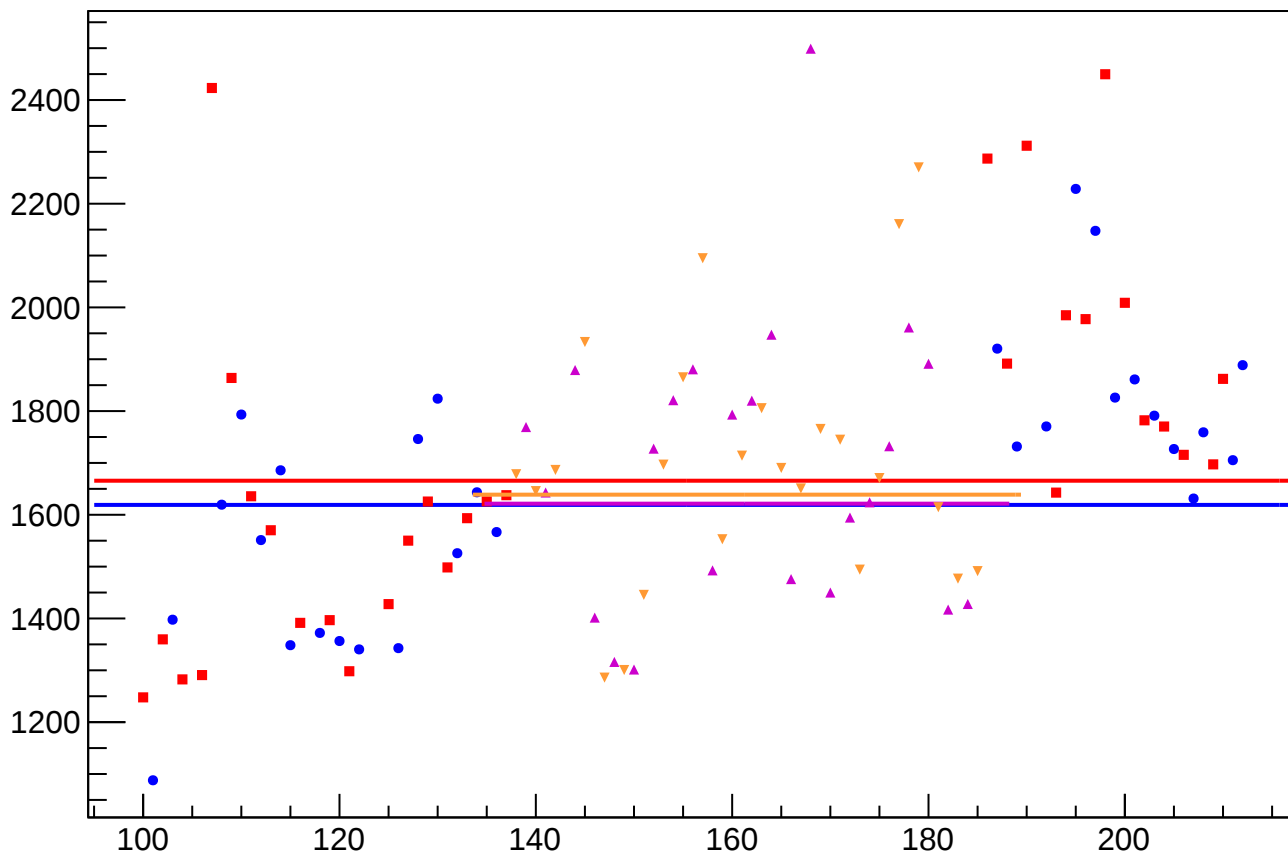
Left In: -2116.114 ± 392.997 $\chi^2/\text{NDF}: 18.8/22$

+ sign 2086.392 ± 285.459 $\chi^2/\text{NDF}: 54.7/52$

All: -145.796 ± 202.558 $\chi^2/\text{NDF}: 229.5/106$

- sign -2409.591 ± 287.473 $\chi^2/\text{NDF}: 51.6/53$

asym_us_avg_rms vs Slug



Right In: 1619.038 $\pm$ 0.292 χ^2 /NDF: 817620.1/28

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

Right Out: 1665.693 $\pm$ 0.298 χ^2 /NDF: 899780.7/30

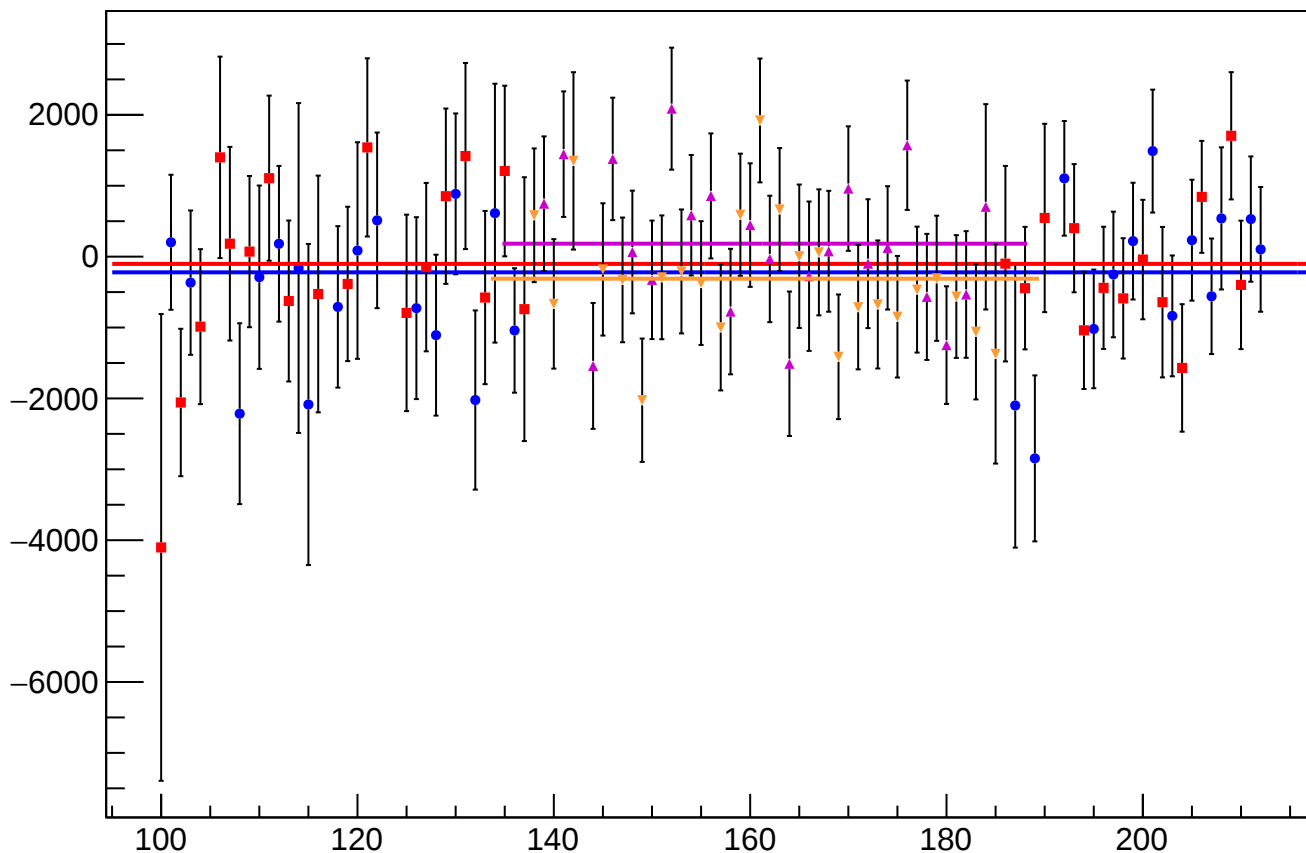
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1629.369 $\pm$ 0.202 χ^2 /NDF: 1491919.6/52

All: 1635.641 $\pm$ 0.143 χ^2 /NDF: 3180757.8/10

- sign 1642.002 $\pm$ 0.203 χ^2 /NDF: 1686893.5/53

reg_asym_us_dd_mean vs Slug



Right In: -221.413+/-194.009 χ^2/NDF : 25.0/28

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

Right Out: -102.243+/-193.629 χ^2/NDF : 24.6/30

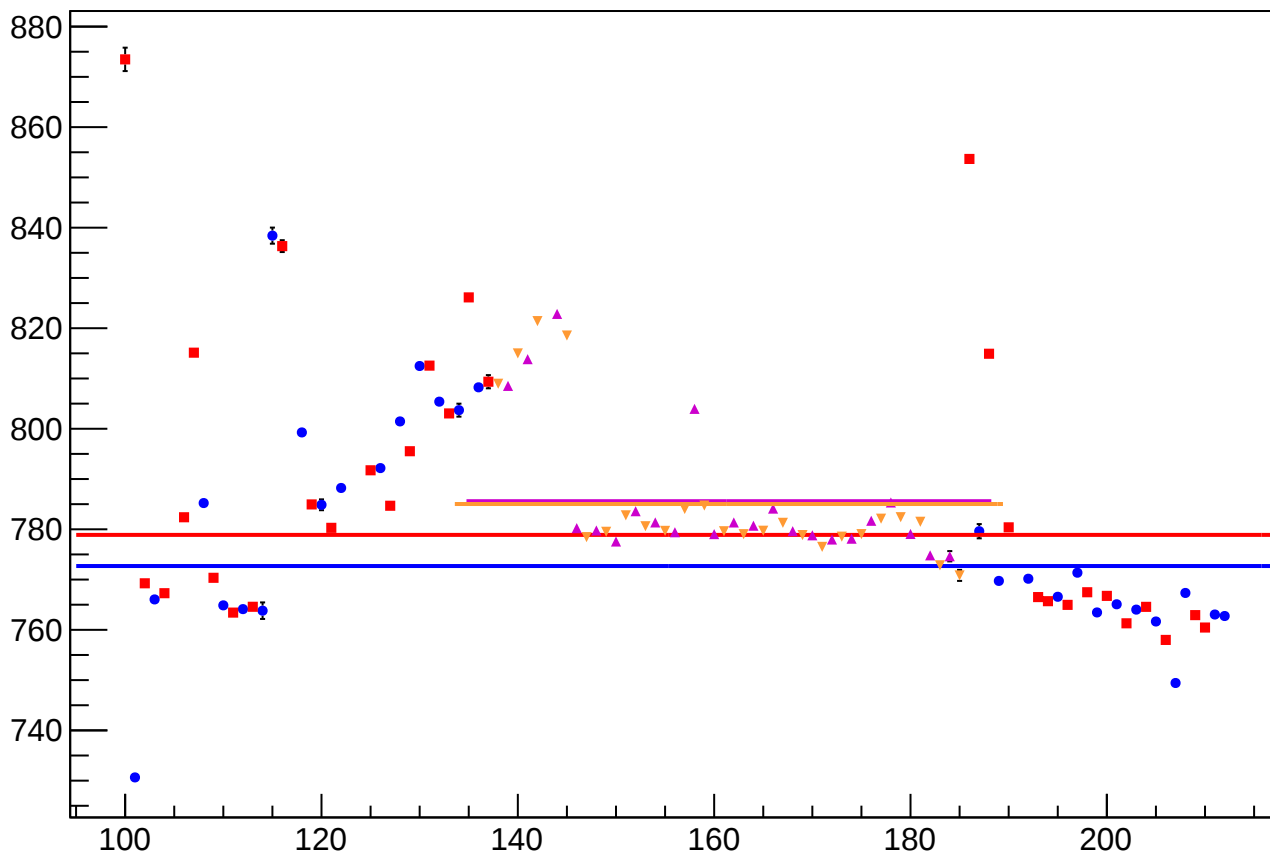
Left In: 182.895+/-187.817 χ^2/NDF : 26.1/22

+ sign -267.737+/-134.466 χ^2/NDF : 45.1/52

All: -111.939+/-95.205 χ^2/NDF : 99.7/106

- sign 44.670+/-134.815 χ^2/NDF : 51.9/53

reg_asym_us_dd_rms vs Slug



Right In: 772.693 $\pm$ 0.137 χ^2 /NDF: 20318.1/28

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

Right Out: 778.888 $\pm$ 0.137 χ^2 /NDF: 28453.8/30

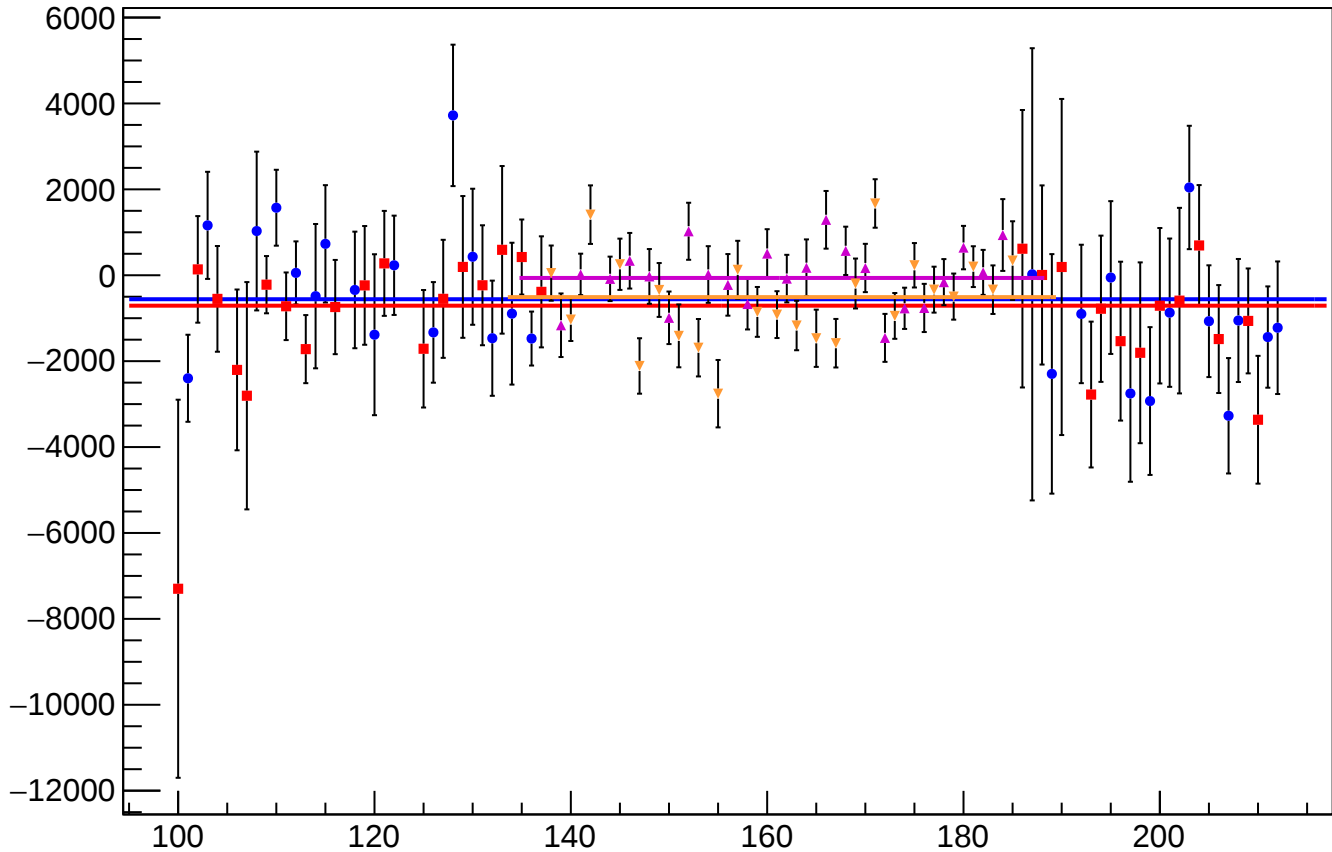
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF:9373.7/22

+ sign 779.104 $\pm$ 0.095 χ^2 /NDF: 33888.7/52

All: 780.719 $\pm$ 0.067 χ^2 /NDF: 73530.0/106

- sign 782.342 $\pm$ 0.095 χ^2 /NDF: 39062.9/53

asym_us_dd_correction_mean vs Slug



Right In: -558.245 $\pm$ 239.037 χ^2 /NDF: 36.2/28

Left Out: -509.311 $\pm$ 121.190 χ^2 /NDF: 60.5/23

Right Out: -708.366 $\pm$ 237.232 χ^2 /NDF: 17.0/30

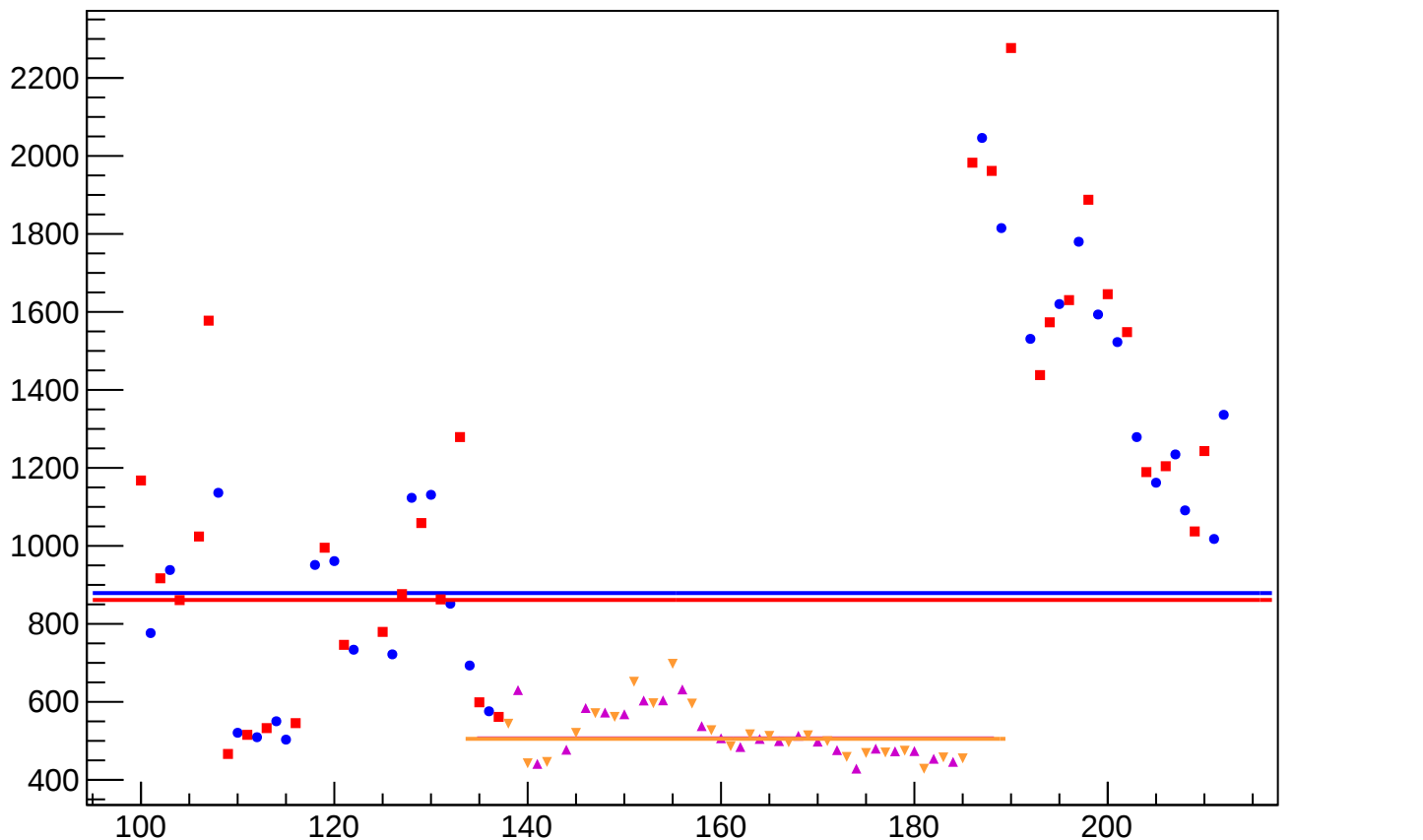
Left In: -62.768 $\pm$ 122.045 χ^2 /NDF: 28.8/22

+ sign -519.317 $\pm$ 108.092 χ^2 /NDF: 96.8/52

All: -359.241 $\pm$ 76.585 χ^2 /NDF: 152.8/106

- sign -197.876 $\pm$ 108.526 χ^2 /NDF: 51.7/53

asym_us_dd_correction_rms vs Slug



Right In: 878.978+/-0.169 χ^2/NDF : 4433898.5/28

Left Out: 505.220+/-0.086 χ^2/NDF : 485593.0/23

Right Out: 861.322+/-0.168 χ^2/NDF : 5695465.8/30

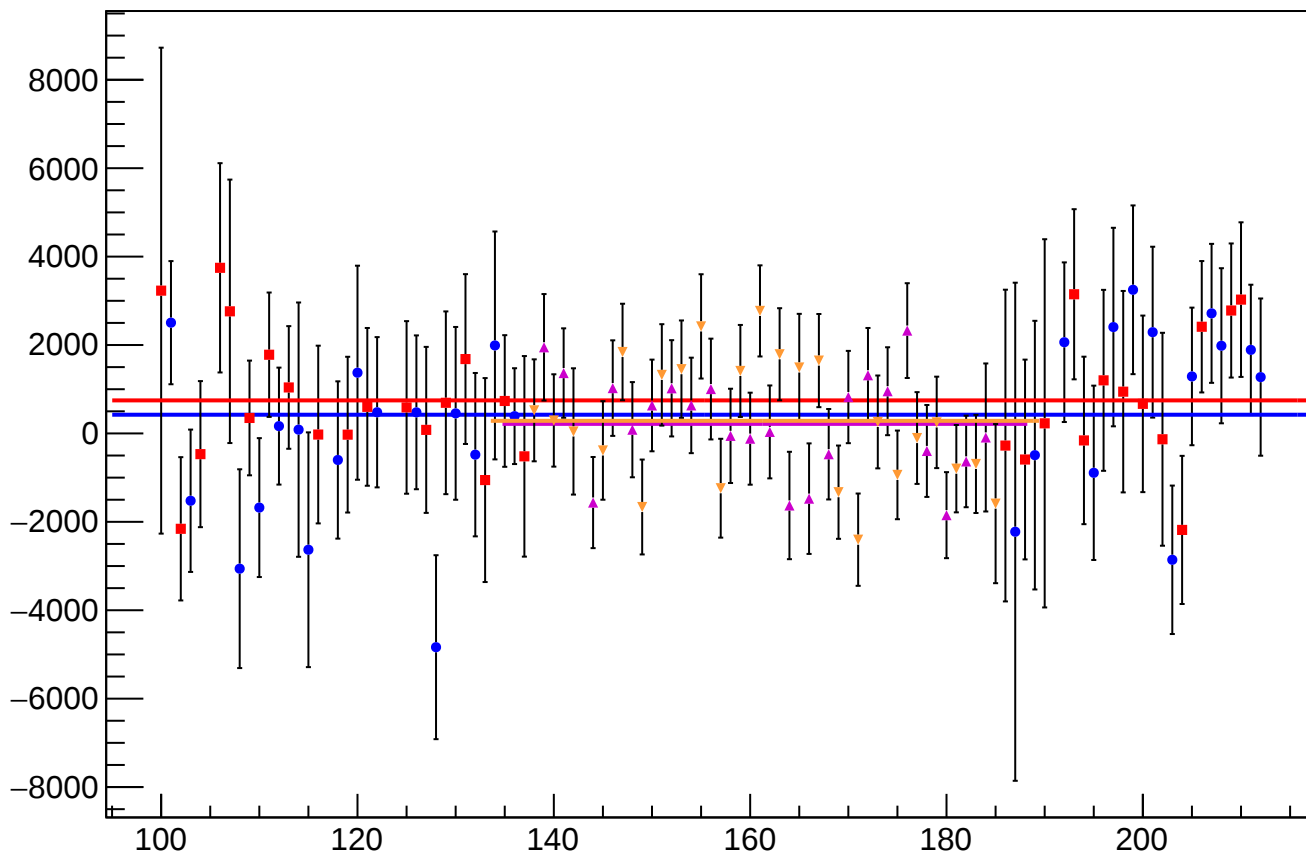
Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

+ sign 581.647+/-0.076 χ^2/NDF : 8809327.2/52

All: 581.156+/-0.054 χ^2/NDF : 18481319.3/10

- sign 580.661+/-0.077 χ^2/NDF : 9671909.3/53

asym_us_dd_mean vs Slug



Right In: 423.017 $\pm$ 333.225 χ^2 /NDF: 30.5/28

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

Right Out: 747.289 $\pm$ 337.764 χ^2 /NDF: 18.6/30

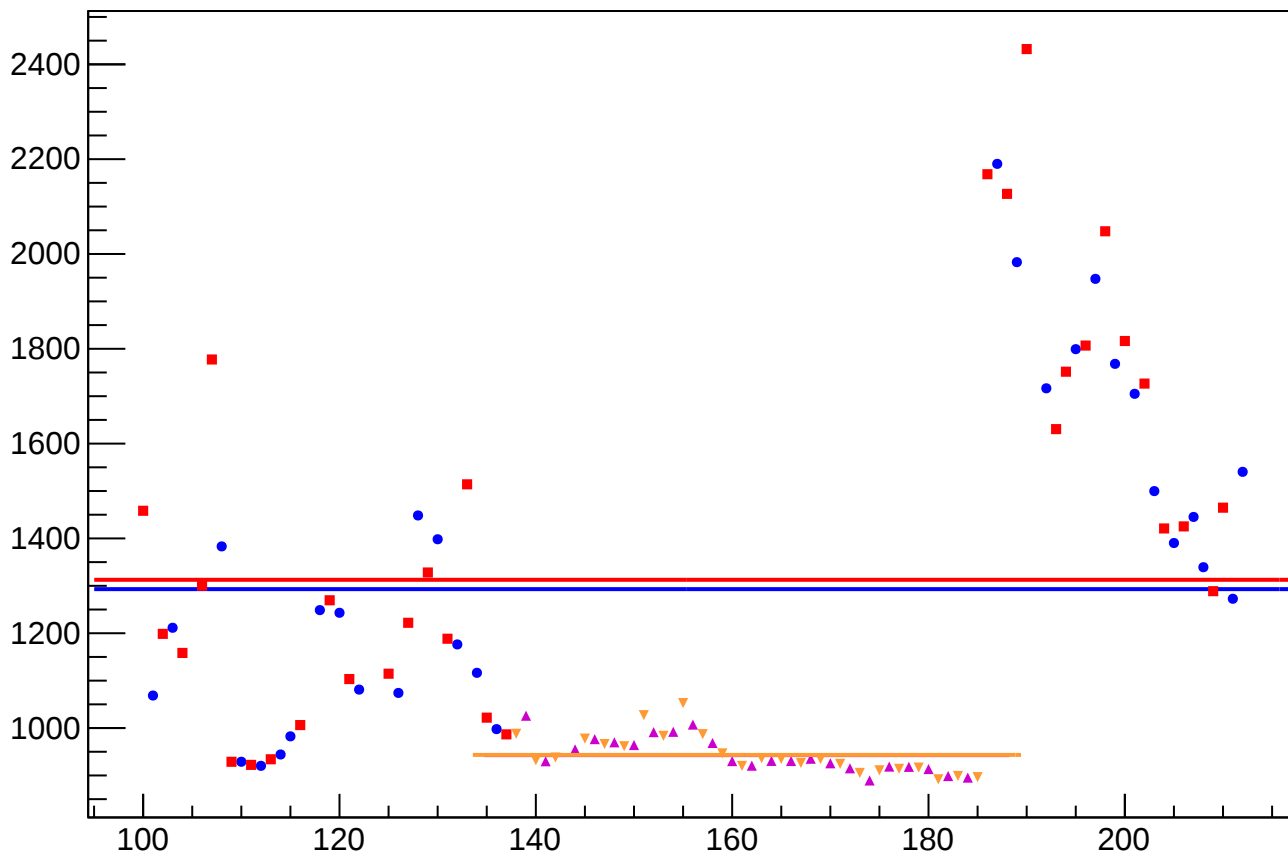
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 328.155 $\pm$ 186.117 χ^2 /NDF: 68.9/52

All: 353.863 $\pm$ 132.127 χ^2 /NDF: 113.6/106

- sign 379.984 $\pm$ 187.602 χ^2 /NDF: 44.7/53

asym_us_dd_rms vs Slug



Right In: 1293.029+/-0.236 χ^2/NDF : 1508579.7/28

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

Right Out: 1312.738+/-0.239 χ^2/NDF : 2027537.3/30

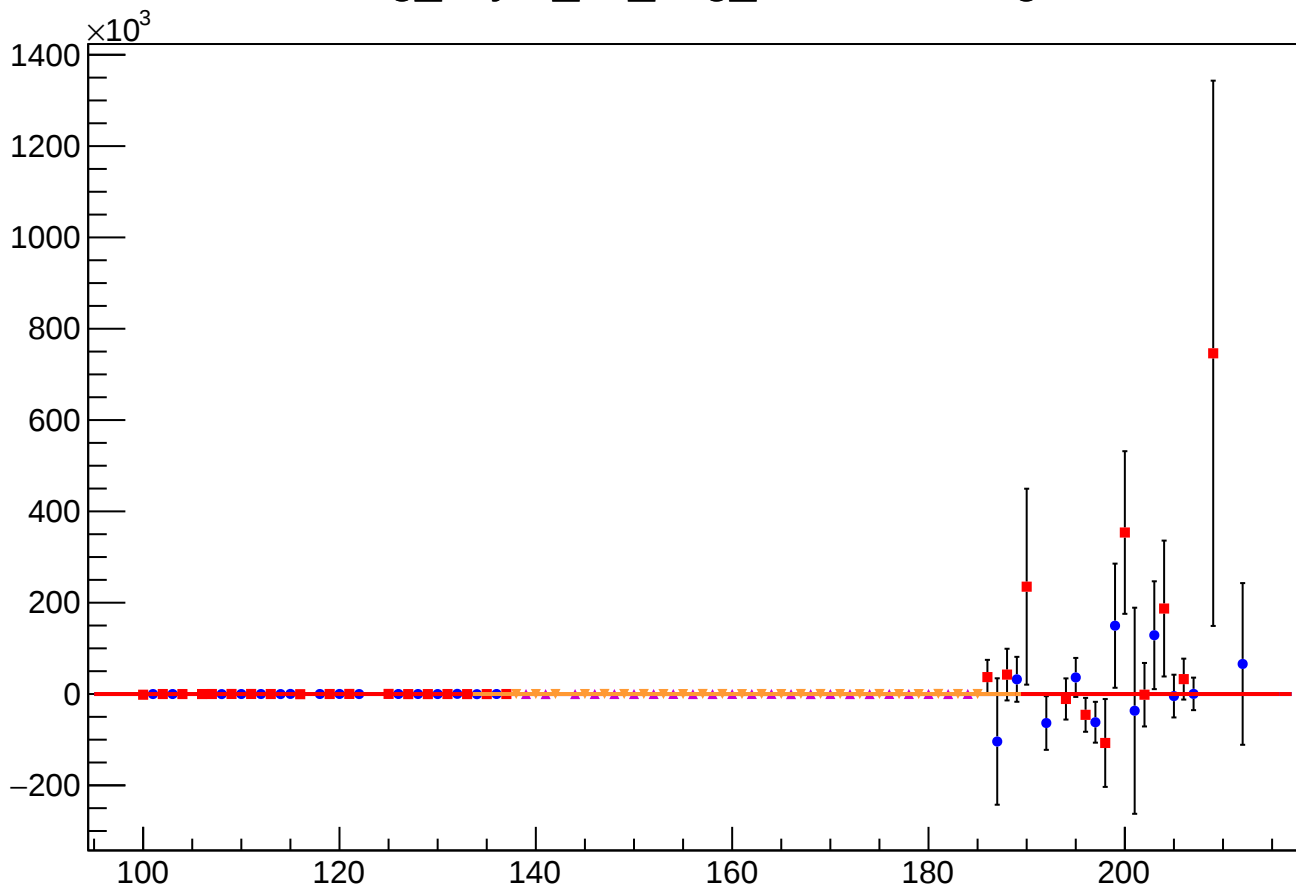
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1052.436+/-0.132 χ^2/NDF : 3084270.2/52

All: 1054.705+/-0.093 χ^2/NDF : 6818713.3/10

- sign 1057.011+/-0.133 χ^2/NDF : 3733843.5/53

reg_asym_ds_avg_mean vs Slug



Right In: -15.555 ± 30.032 χ^2/NDF : 23.3/26

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

Right Out: -31.724 ± 30.492 χ^2/NDF : 30.0/28

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

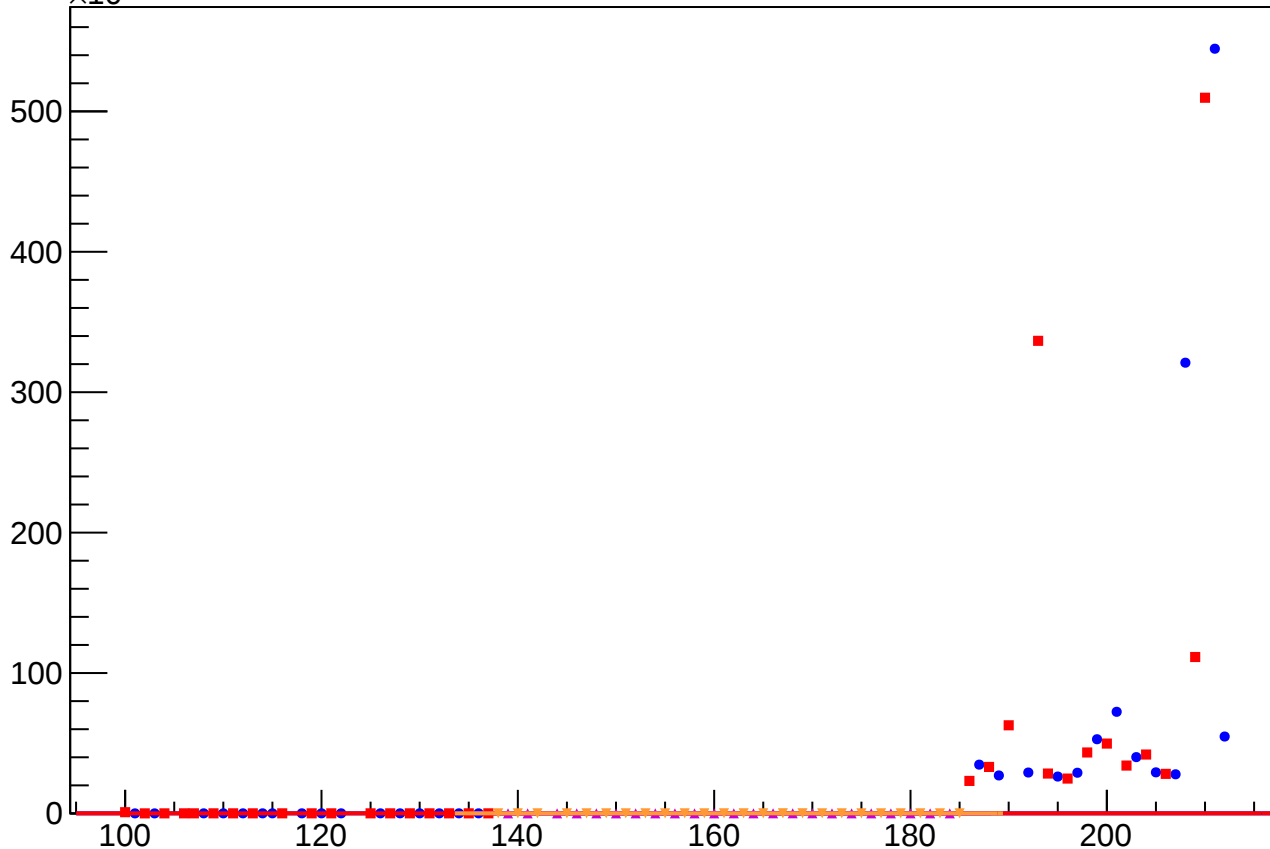
+ sign -2.805 ± 17.464 χ^2/NDF : 46.0/50

All: 0.908 ± 12.403 χ^2/NDF : 100.7/102

- sign 4.686 ± 17.617 χ^2/NDF : 54.6/51

reg_asym_ds_avg_rms vs Slug

$\times 10^3$



Right In: 76.140 $\pm$ 0.021 χ^2 /NDF: 6491779.0/28

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

Right Out: 79.456 $\pm$ 0.022 χ^2 /NDF: 6003606.0/30

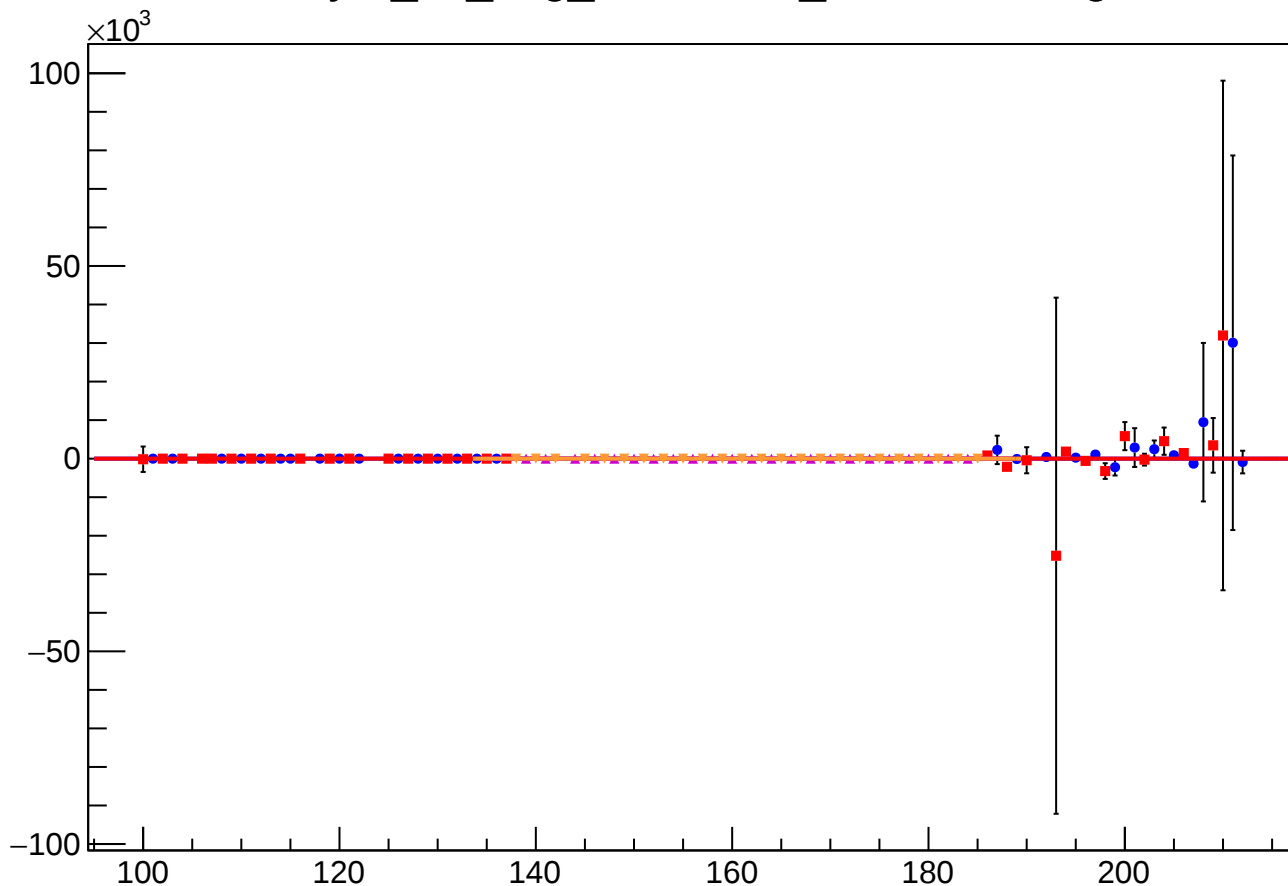
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.109 $\pm$ 0.012 χ^2 /NDF: 7227586.2/52

All: 85.655 $\pm$ 0.009 χ^2 /NDF: 13890983.8/106

- sign 86.211 $\pm$ 0.012 χ^2 /NDF: 6659455.5/53

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 31.5/28

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

Right Out: -0.038 ± 0.525 χ^2/NDF : 29.5/30

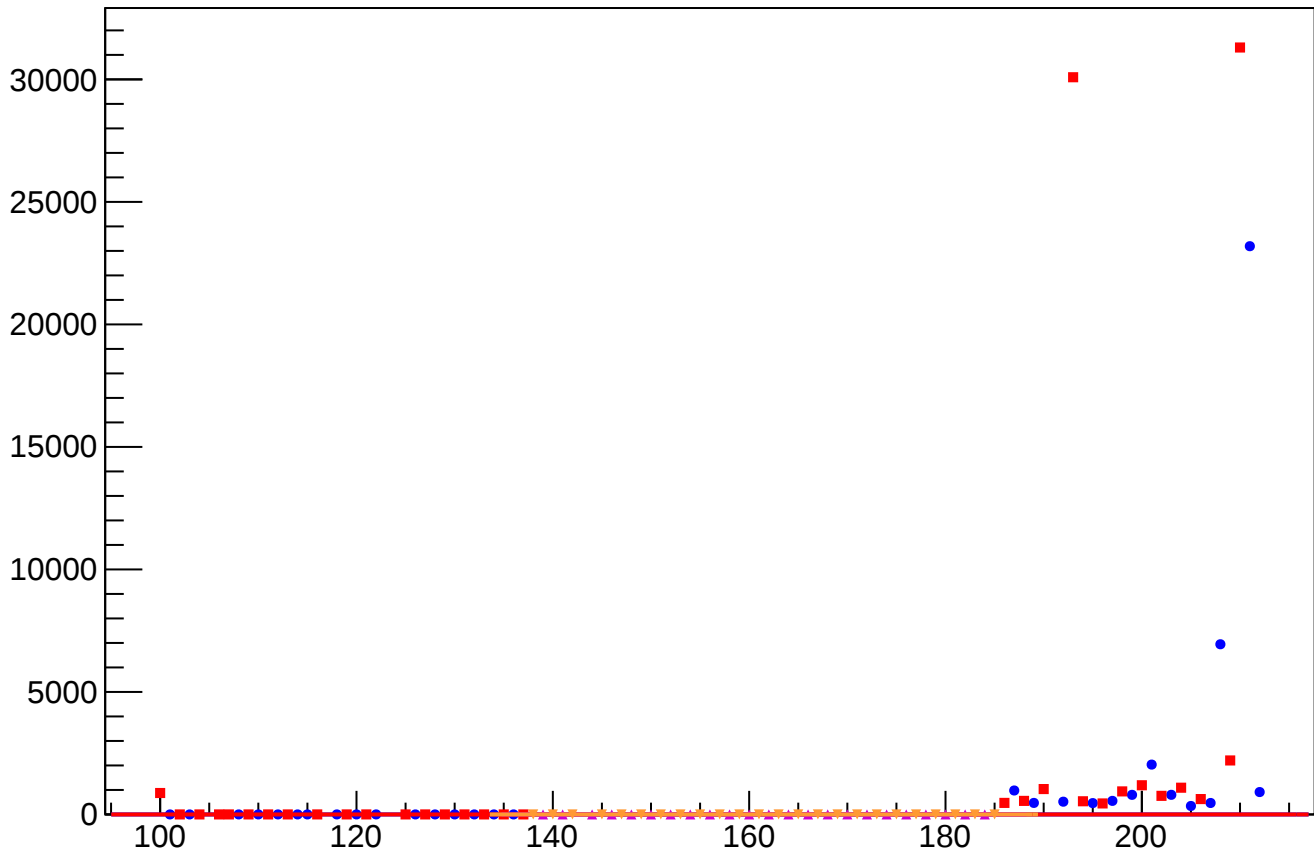
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 ± 0.301 χ^2/NDF : 53.3/52

All: 0.144 ± 0.217 χ^2/NDF : 110.5/106

- sign 0.323 ± 0.312 χ^2/NDF : 56.5/53

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 6197661.2/28

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

Right Out: 1.260+/-0.000 χ^2/NDF : 6613900.4/30

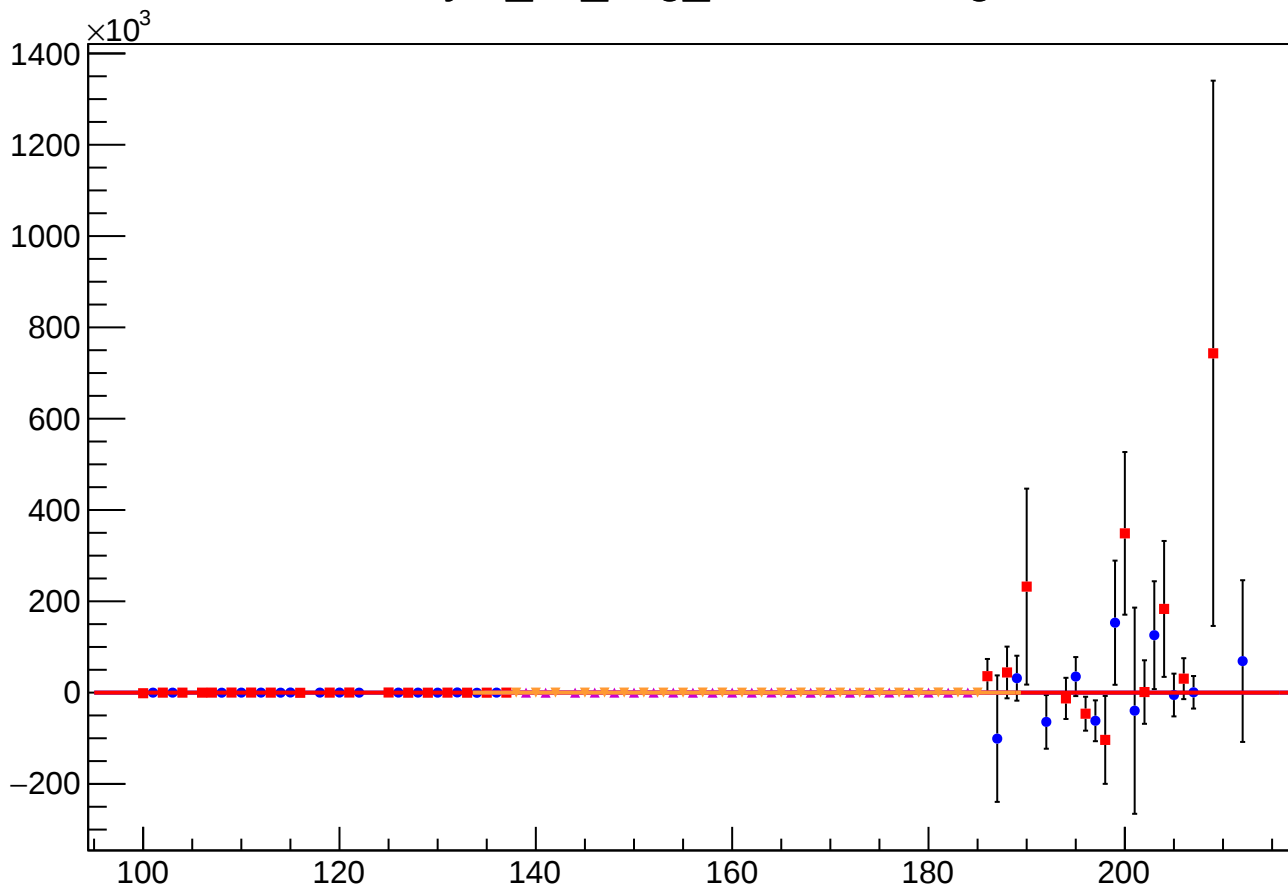
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 7515817.5/52

All: 1.350+/-0.000 χ^2/NDF : 15351253.1/106

- sign 1.385+/-0.000 χ^2/NDF : 7784836.2/53

asym_ds_avg_mean vs Slug



Right In: -14.492 ± 30.040 χ^2/NDF : 23.5/26

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

Right Out: -32.005 ± 30.500 χ^2/NDF : 29.6/28

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

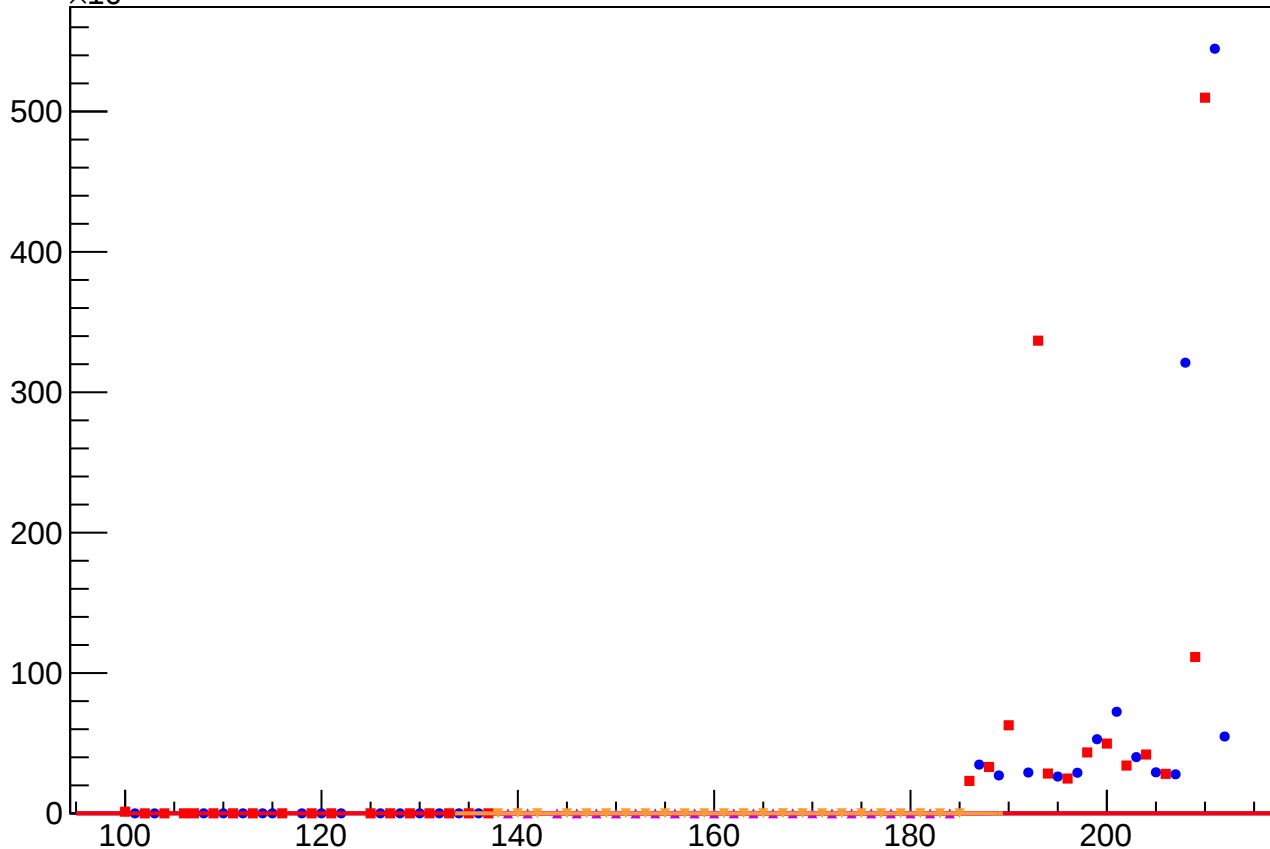
+ sign -2.587 ± 17.470 χ^2/NDF : 45.9/50

All: 0.811 ± 12.407 χ^2/NDF : 100.0/102

- sign 4.268 ± 17.623 χ^2/NDF : 54.1/51

asym_ds_avg_rms vs Slug

$\times 10^3$



Right In: 76.160 $\pm$ 0.021 χ^2 /NDF: 6491879.7/28

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

Right Out: 79.459 $\pm$ 0.022 χ^2 /NDF: 6010217.2/30

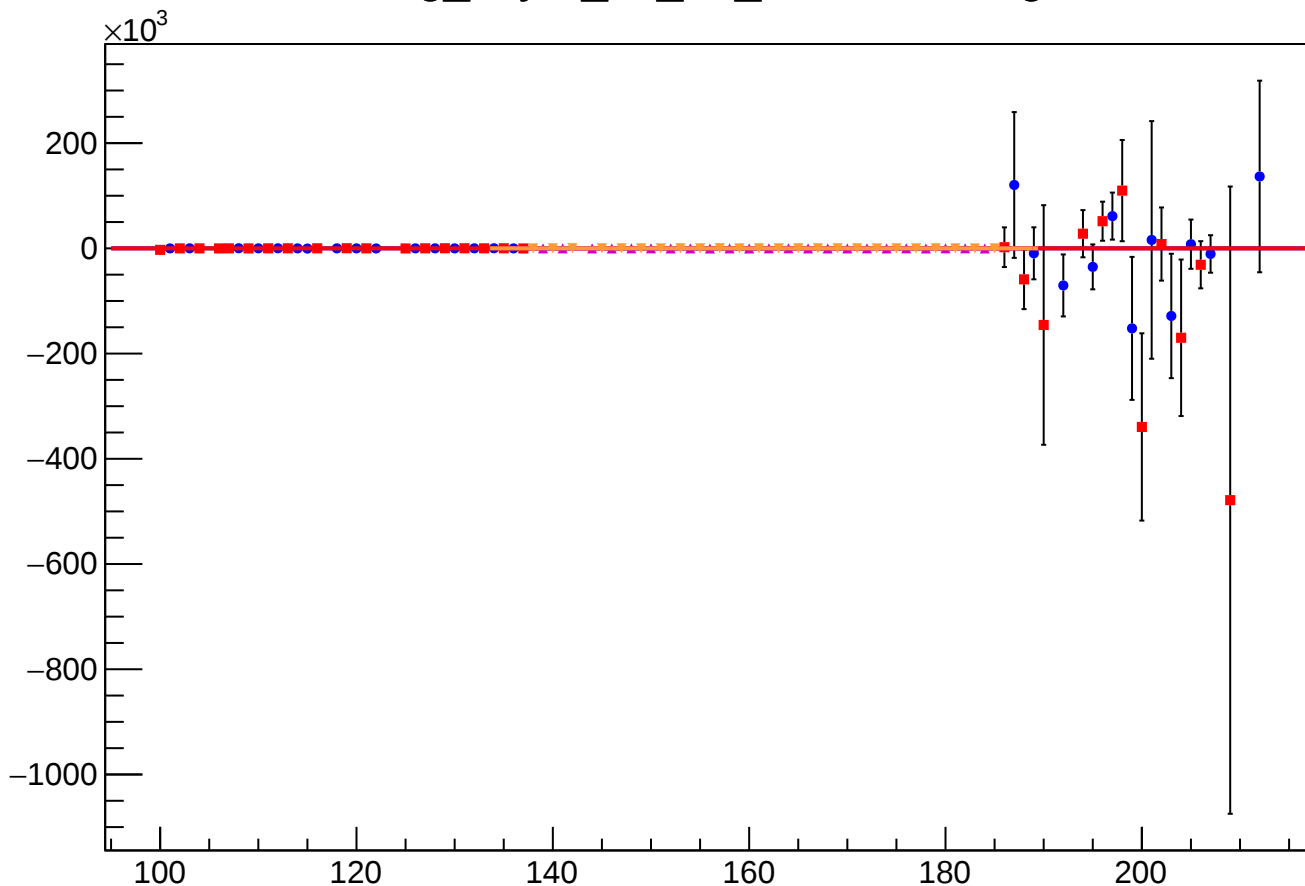
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.133 $\pm$ 0.012 χ^2 /NDF: 7228556.6/52

All: 85.677 $\pm$ 0.009 χ^2 /NDF: 13899995.9/106

- sign 86.229 $\pm$ 0.012 χ^2 /NDF: 6667537.9/53

reg_asym_ds_dd_mean vs Slug



Right In: 8.091 ± 30.012 χ^2/NDF : 21.9/26

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

Right Out: 25.783 ± 30.473 χ^2/NDF : 24.0/28

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

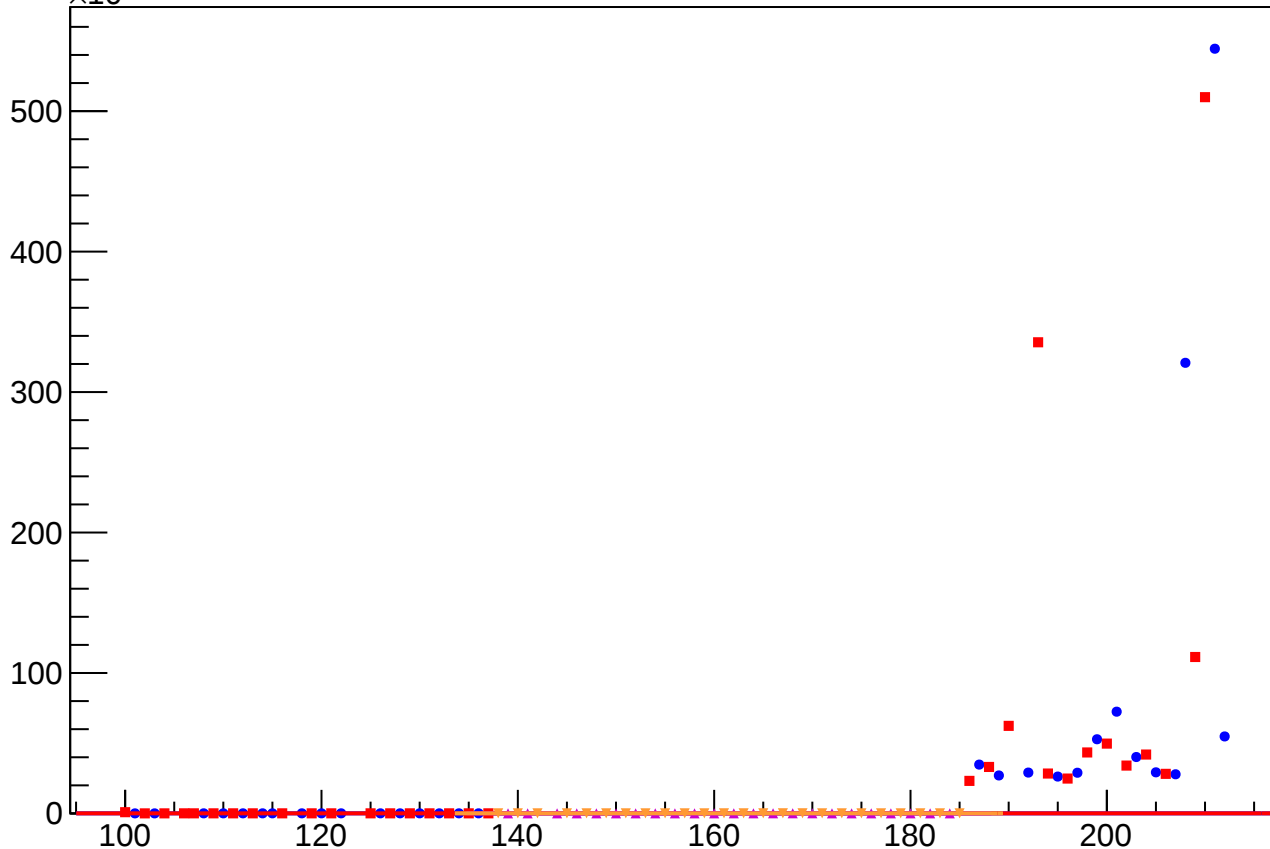
+ sign 12.842 ± 17.463 χ^2/NDF : 39.1/50

All: -3.577 ± 12.403 χ^2/NDF : 99.8/102

- sign -20.289 ± 17.618 χ^2/NDF : 58.9/51

reg_asym_ds_dd_rms vs Slug

$\times 10^3$



Right In: 76.091 $\pm$ 0.021 χ^2 /NDF: 6491156.6/28

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

Right Out: 79.407 $\pm$ 0.022 χ^2 /NDF: 6002912.8/30

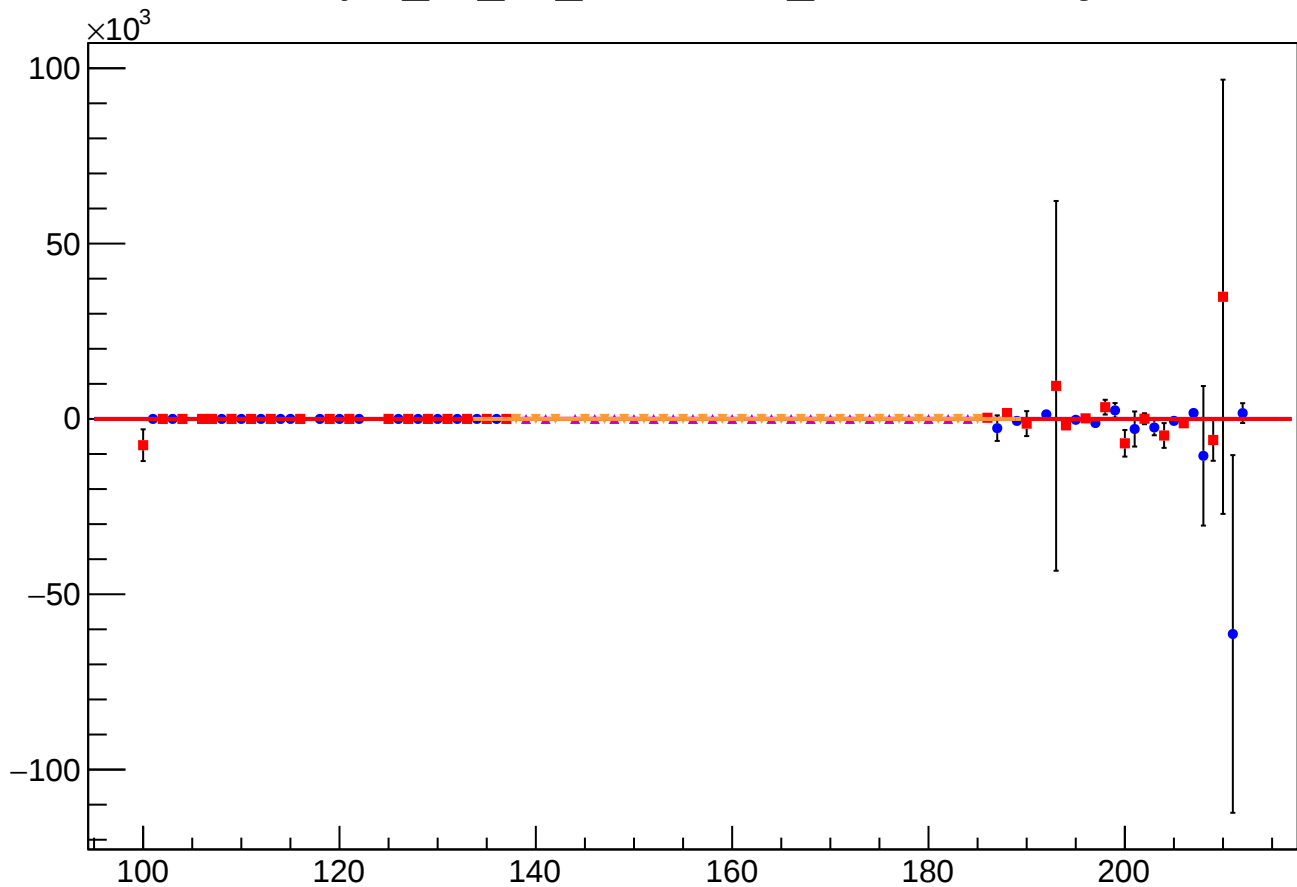
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.100 $\pm$ 0.012 χ^2 /NDF: 7228737.3/52

All: 85.651 $\pm$ 0.009 χ^2 /NDF: 13896479.6/106

- sign 86.211 $\pm$ 0.012 χ^2 /NDF: 6663732.1/53

asym_ds_dd_correction_mean vs Slug



Right In: 0.893 ± 0.531 χ^2/NDF : 27.5/28

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

Right Out: -0.348 ± 0.549 χ^2/NDF : 32.0/30

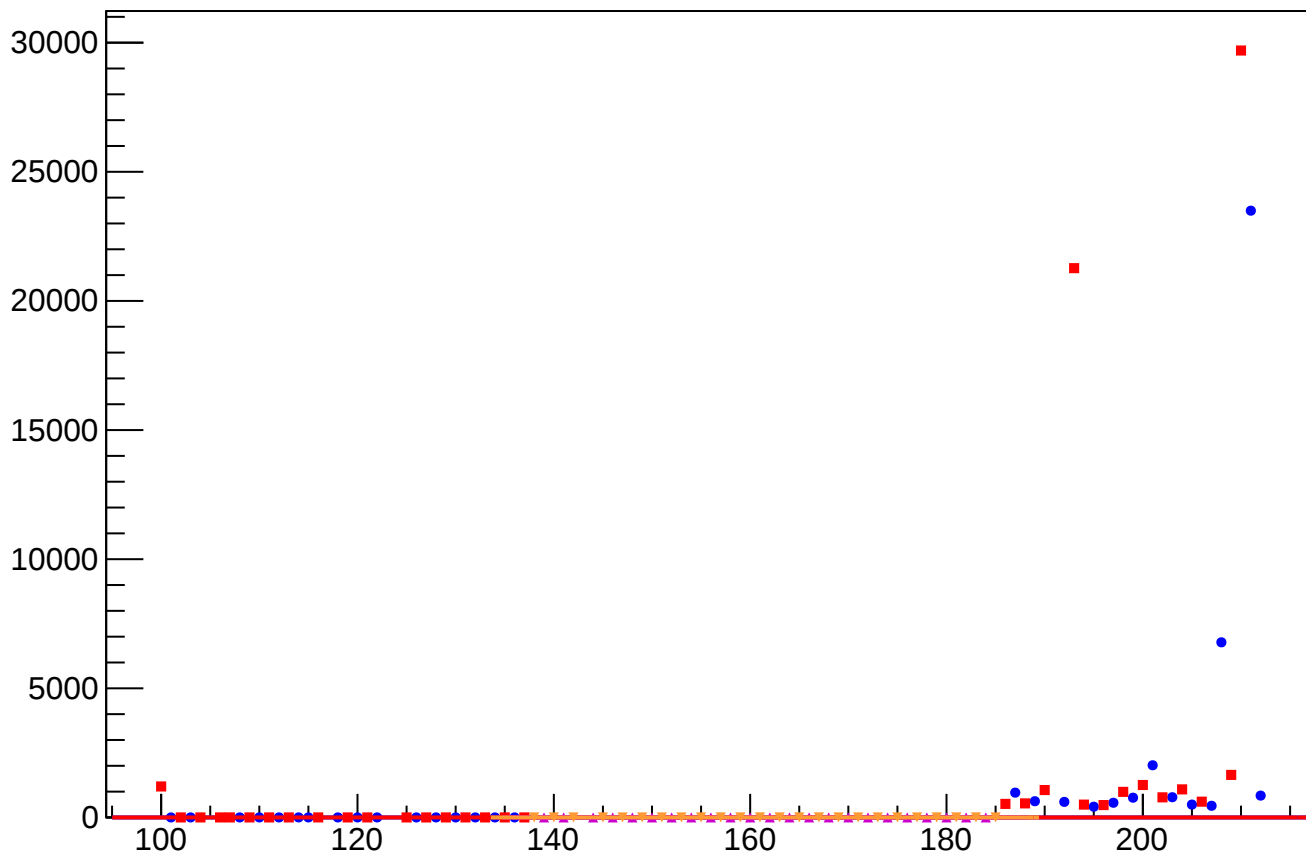
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 52.8/52

All: -0.045 ± 0.224 χ^2/NDF : 105.6/106

- sign -0.069 ± 0.318 χ^2/NDF : 52.8/53

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 6444615.4/28

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

Right Out: 1.317+/-0.000 χ^2/NDF : 6536310.6/30

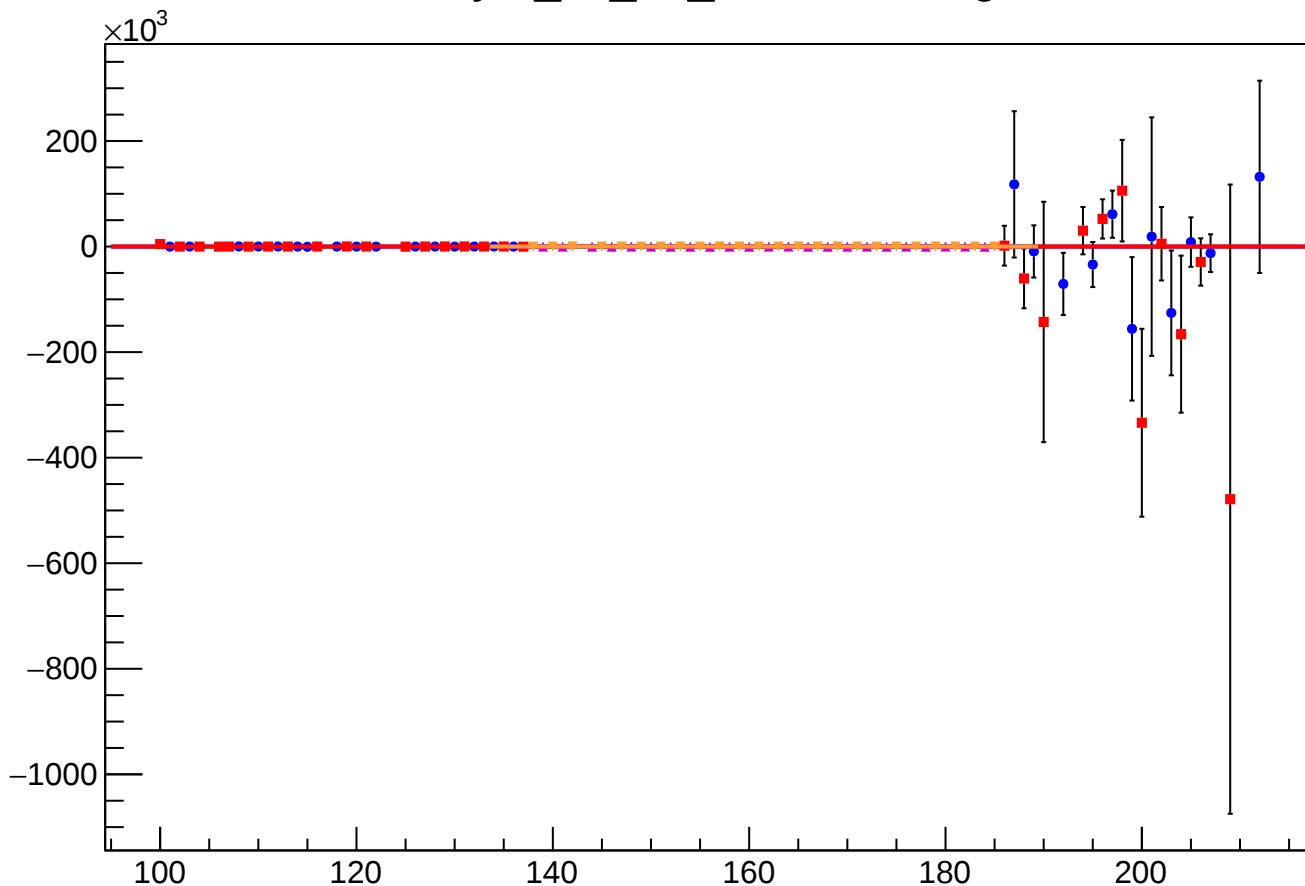
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 7855265.9/52

All: 1.400+/-0.000 χ^2/NDF : 15538493.3/106

- sign 1.412+/-0.000 χ^2/NDF : 7676926.5/53

asym_ds_dd_mean vs Slug



Right In: 7.383 ± 30.020 χ^2/NDF : 21.8/26

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

Right Out: 26.394 ± 30.482 χ^2/NDF : 24.0/28

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

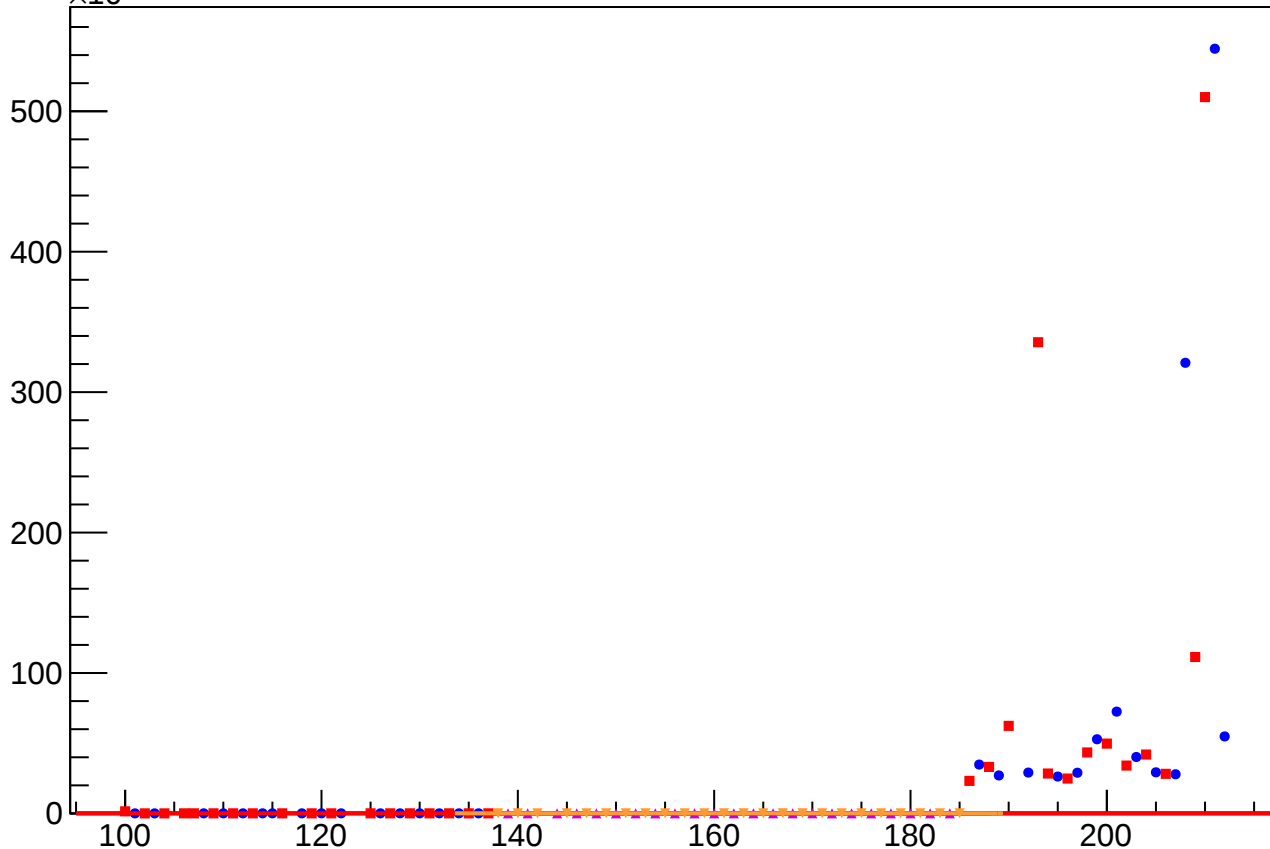
+ sign 12.930 ± 17.468 χ^2/NDF : 38.9/50

All: -3.590 ± 12.407 χ^2/NDF : 99.3/102

- sign -20.405 ± 17.624 χ^2/NDF : 58.7/51

asym_ds_dd_rms vs Slug

$\times 10^3$



Right In: 76.111 $\pm$ 0.021 χ^2 /NDF: 6491310.6/28

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

Right Out: 79.404 $\pm$ 0.022 χ^2 /NDF: 6012232.3/30

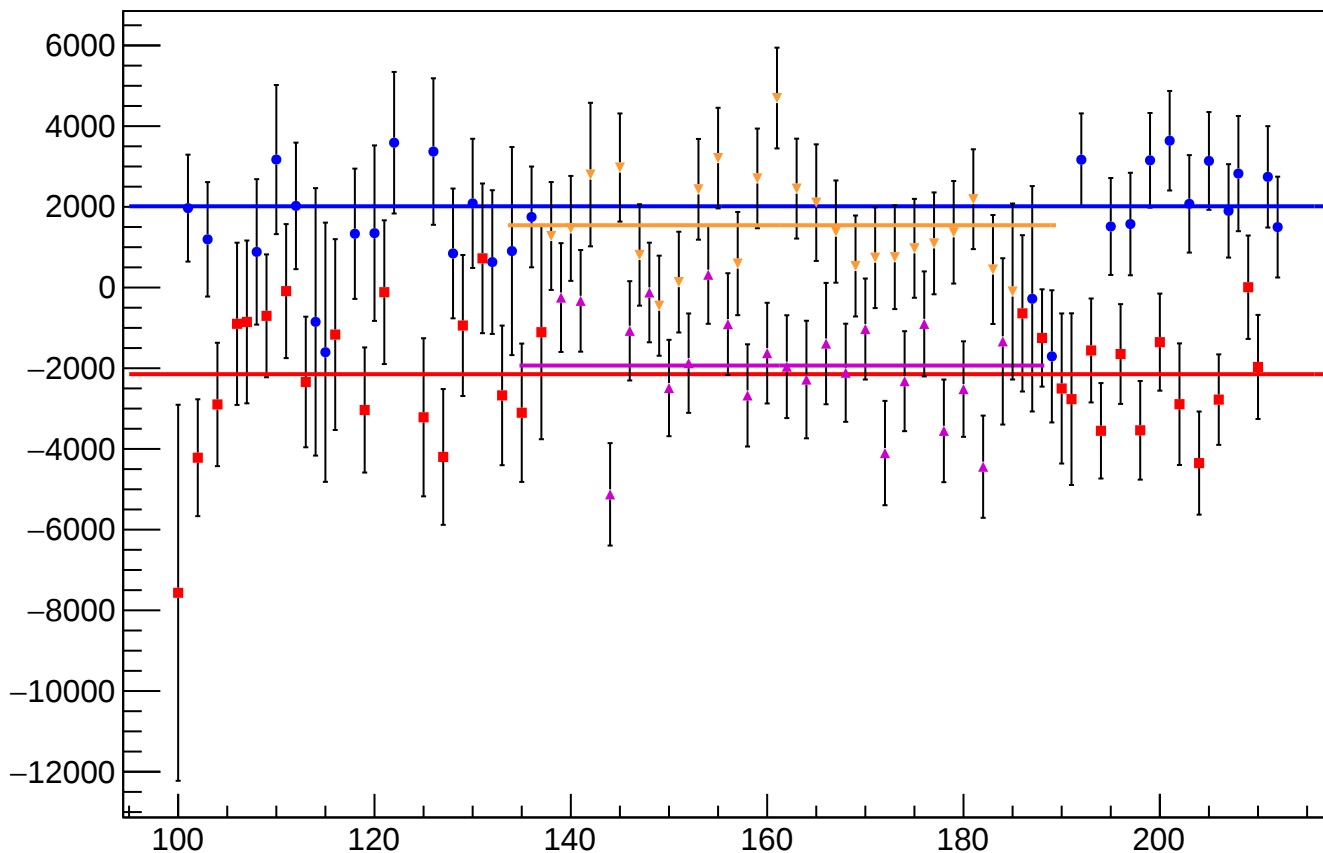
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.125 $\pm$ 0.012 χ^2 /NDF: 7229763.9/52

All: 85.672 $\pm$ 0.009 χ^2 /NDF: 13908364.4/106

- sign 86.228 $\pm$ 0.012 χ^2 /NDF: 6674652.0/53

reg_asym_usl_mean vs Slug



Right In: 2013.815 $\pm$ 275.206 χ^2 /NDF: 17.7/28

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

Right Out: -2146.985 $\pm$ 272.849 χ^2 /NDF: 25.1/31

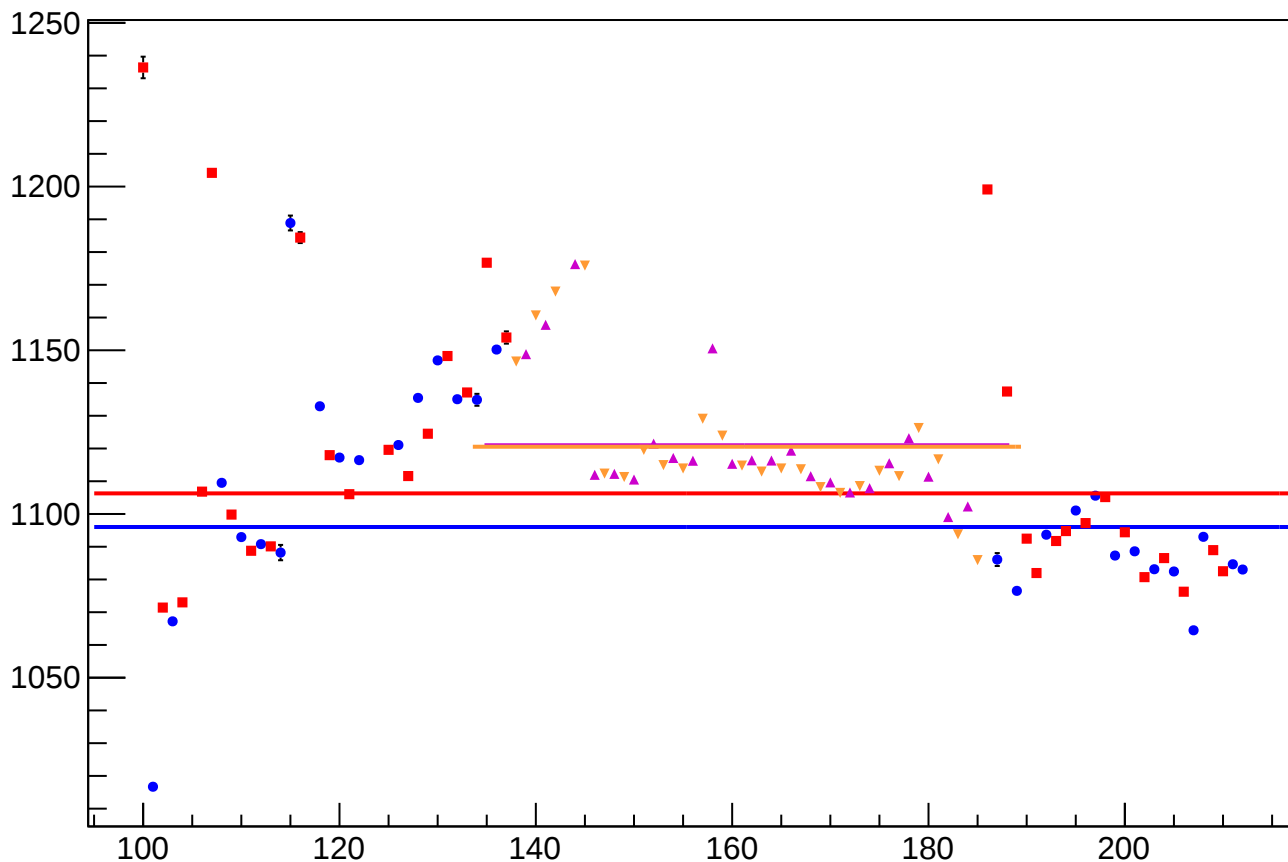
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF: 27.0/22

+ sign 1771.209 $\pm$ 191.362 χ^2 /NDF: 39.1/52

All: -135.069 $\pm$ 135.256 χ^2 /NDF: 289.8/107

- sign -2038.076 $\pm$ 191.198 χ^2 /NDF: 52.4/54

reg_asym_usl_rms vs Slug



Right In: 1096.023 $\pm$ 0.195 χ^2 /NDF: 23110.0/28

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

Right Out: 1106.292 $\pm$ 0.193 χ^2 /NDF: 27721.6/31

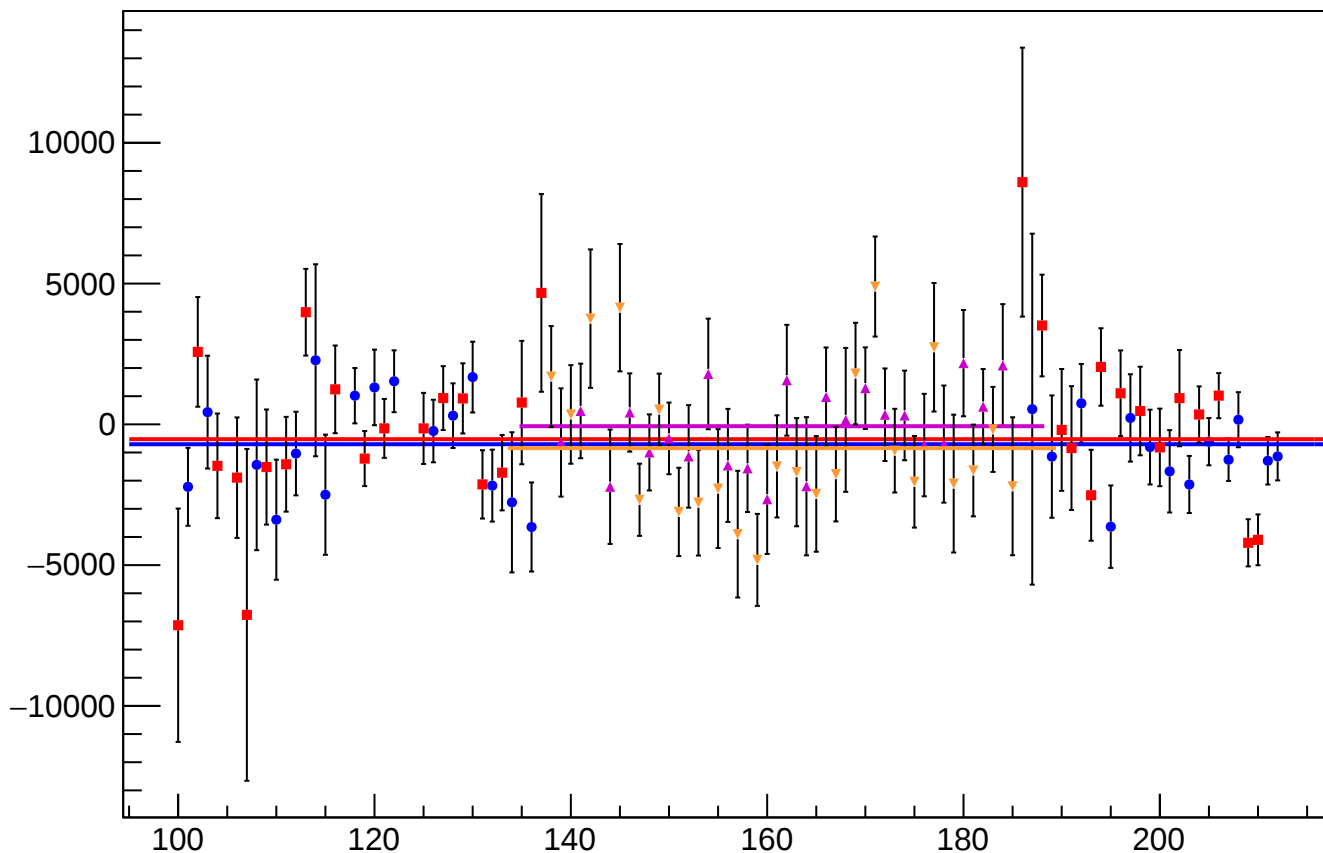
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1108.688 $\pm$ 0.135 χ^2 /NDF: 41562.8/52

All: 1111.233 $\pm$ 0.096 χ^2 /NDF: 82587.1/107

- sign 1113.773 $\pm$ 0.135 χ^2 /NDF: 40317.4/54

asym_usl_correction_mean vs Slug



Right In: -706.281 ± 233.738 χ^2/NDF : 34.2/28

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

Right Out: -526.987 ± 246.737 χ^2/NDF : 81.6/31

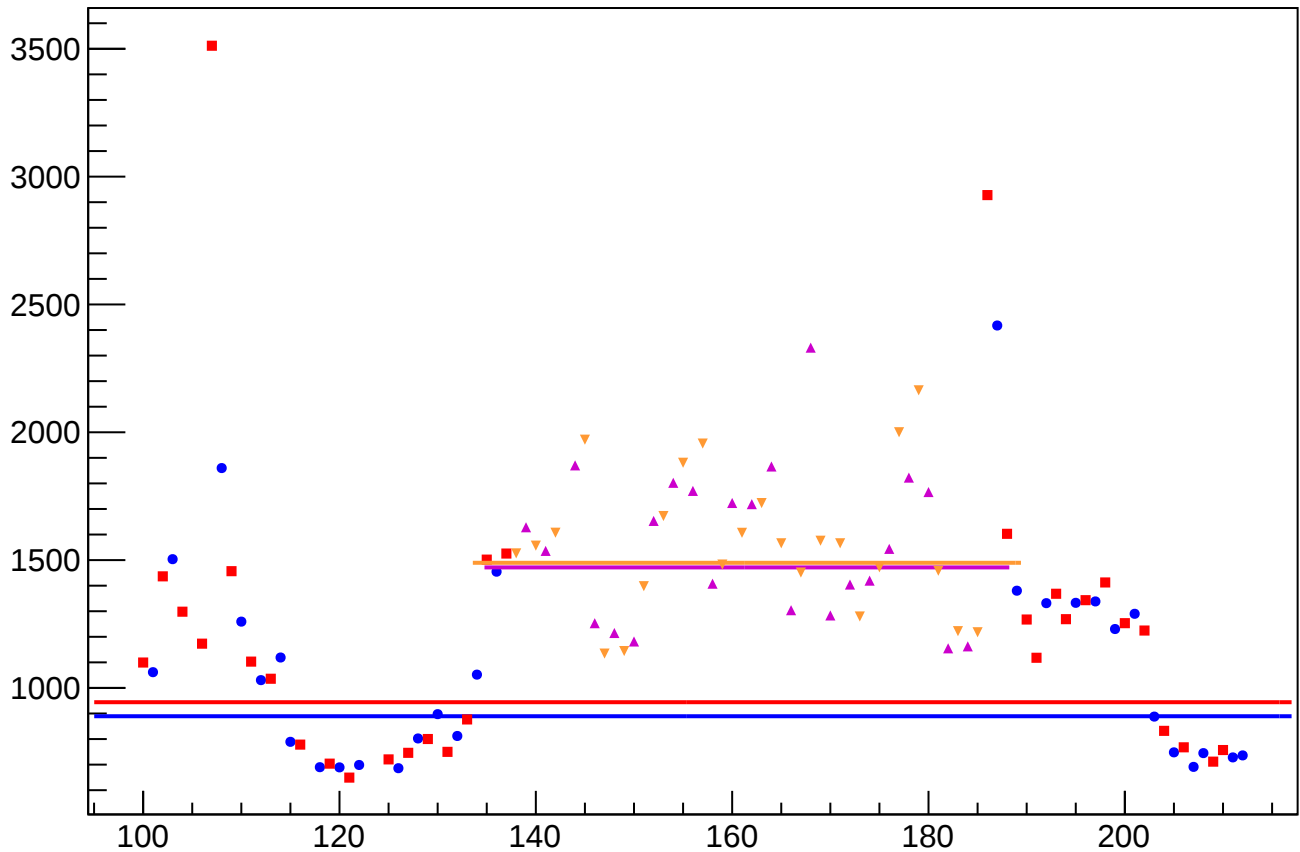
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -747.237 ± 196.225 χ^2/NDF : 77.5/52

All: -569.586 ± 141.188 χ^2/NDF : 174.1/107

- sign -378.888 ± 203.303 χ^2/NDF : 94.8/54

asym_usl_correction_rms vs Slug



Right In: 889.279 ± 0.165 χ^2/NDF : 2484890.0/28

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

Right Out: 944.143 ± 0.174 χ^2/NDF : 3199473.5/31

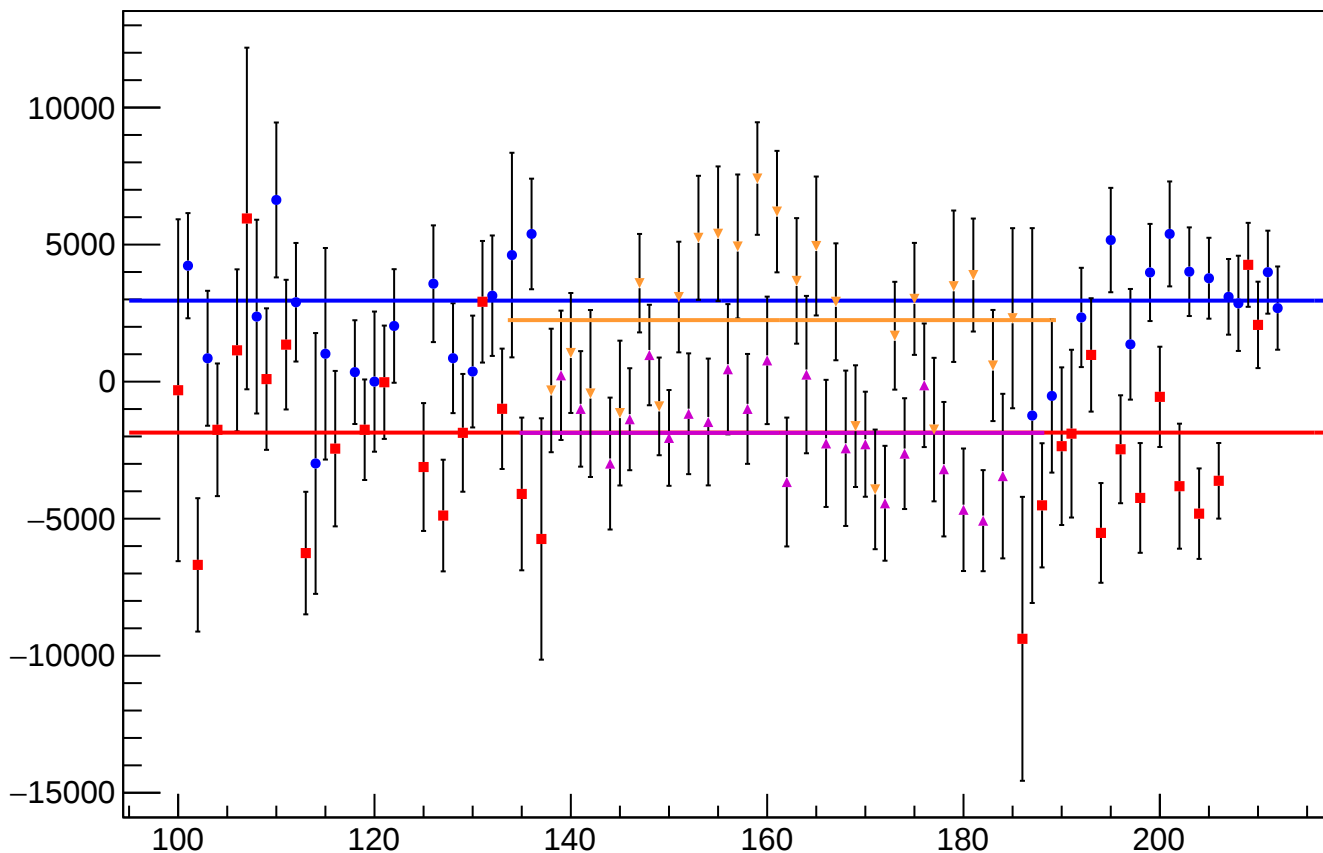
Left In: 1471.394 ± 0.254 χ^2/NDF : 1105310.5/22

+ sign 1066.482 ± 0.139 χ^2/NDF : 7387787.3/52

All: 1089.126 ± 0.100 χ^2/NDF : 14680119.7/1

- sign 1113.434 ± 0.144 χ^2/NDF : 7237107.1/54

asym_usl_mean vs Slug



Right In: 2955.752 $\pm$ 377.968 χ^2 /NDF: 19.8/28

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

Right Out: -1859.436 $\pm$ 388.143 χ^2 /NDF: 61.6/31

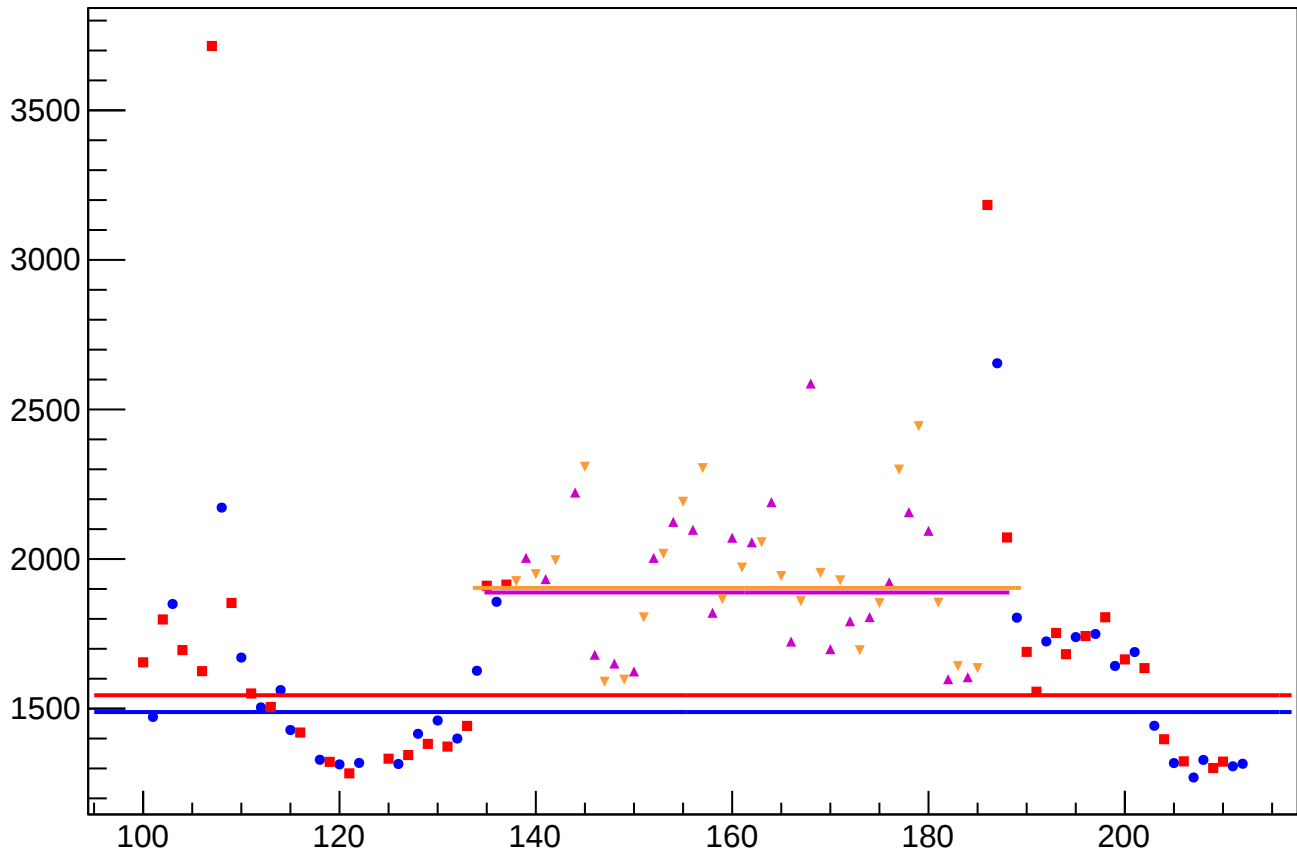
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2666.421 $\pm$ 291.123 χ^2 /NDF: 59.8/52

All: 434.515 $\pm$ 207.358 χ^2 /NDF: 255.6/107

- sign -1863.793 $\pm$ 295.422 χ^2 /NDF: 76.5/54

asym_usl_rms vs Slug



Right In: 1488.529+/-0.267 χ^2/NDF : 626229.6/28

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

Right Out: 1544.742+/-0.274 χ^2/NDF : 1049162.2/31

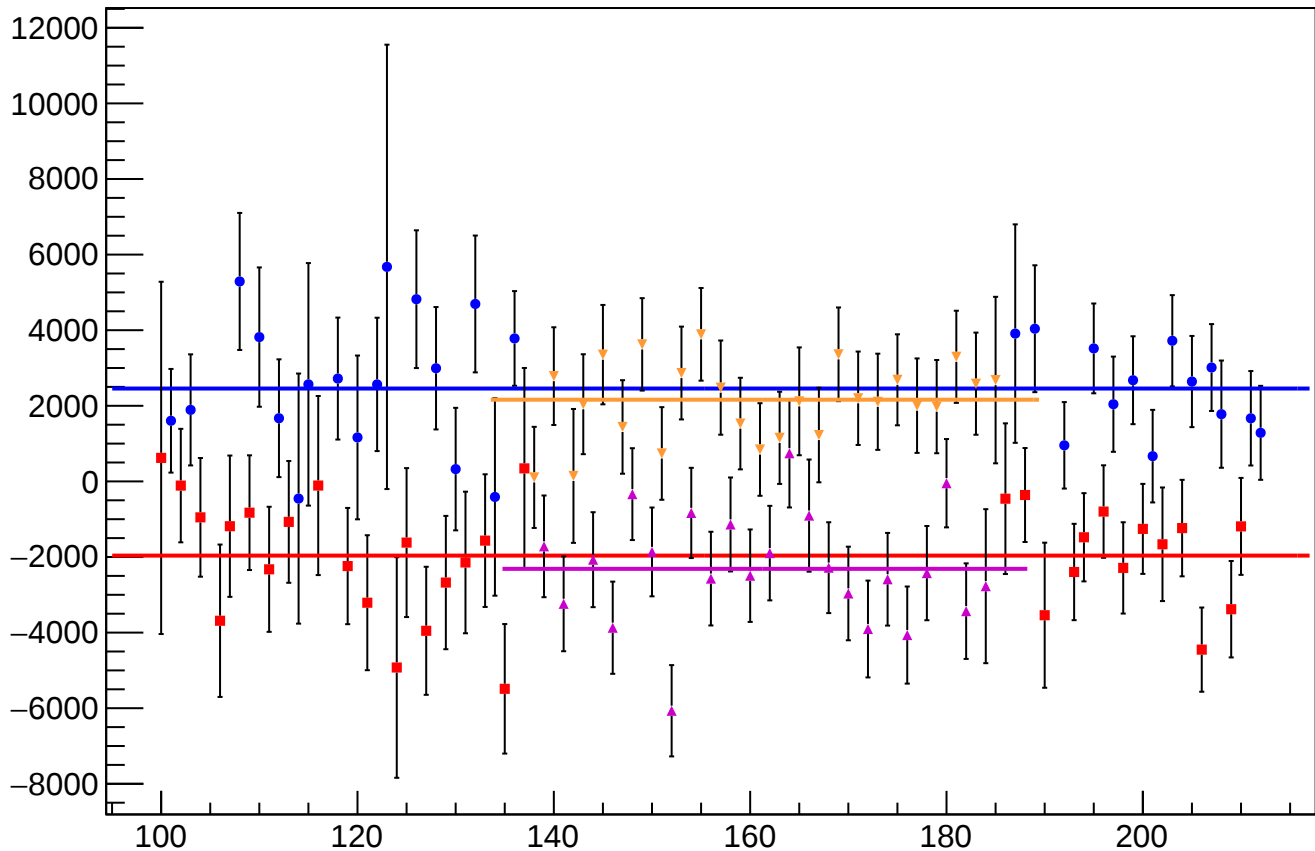
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1657.348+/-0.206 χ^2/NDF : 2068962.1/52

All: 1673.042+/-0.147 χ^2/NDF : 4293010.3/10

- sign 1689.203+/-0.209 χ^2/NDF : 2212251.2/54

reg_asym_usr_mean vs Slug



Right In: 2456.668 $\pm$ 275.280 χ^2 /NDF: 21.4/29

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

Right Out: -1962.824 $\pm$ 273.894 χ^2 /NDF: 24.3/31

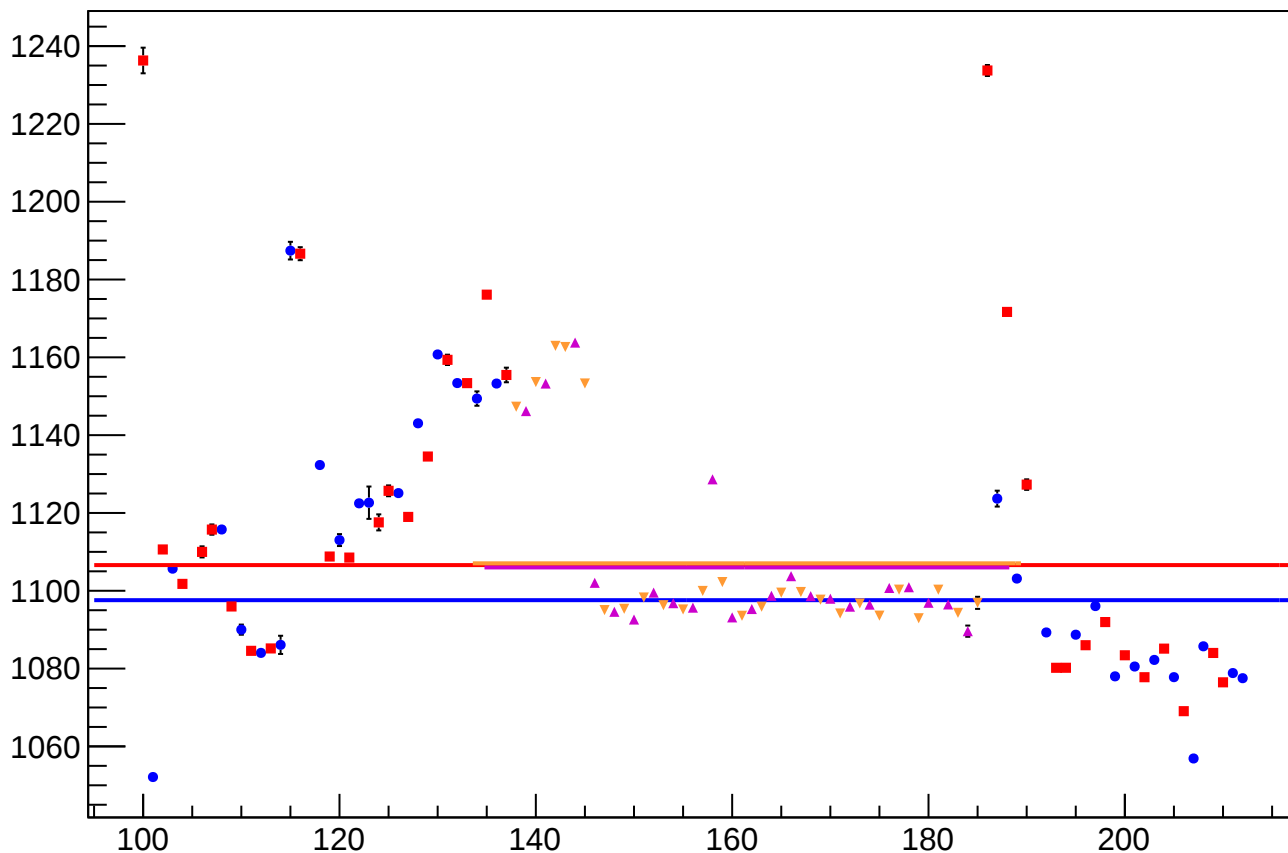
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2299.216 $\pm$ 188.059 χ^2 /NDF: 37.1/54

All: 103.037 $\pm$ 133.741 χ^2 /NDF: 369.5/109

- sign -2144.328 $\pm$ 190.238 χ^2 /NDF: 56.4/54

reg_asym_usr_rms vs Slug



Right In: 1097.583 $\pm$ 0.195 χ^2 /NDF: 23256.1/29

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

Right Out: 1106.601 $\pm$ 0.194 χ^2 /NDF: 35189.9/31

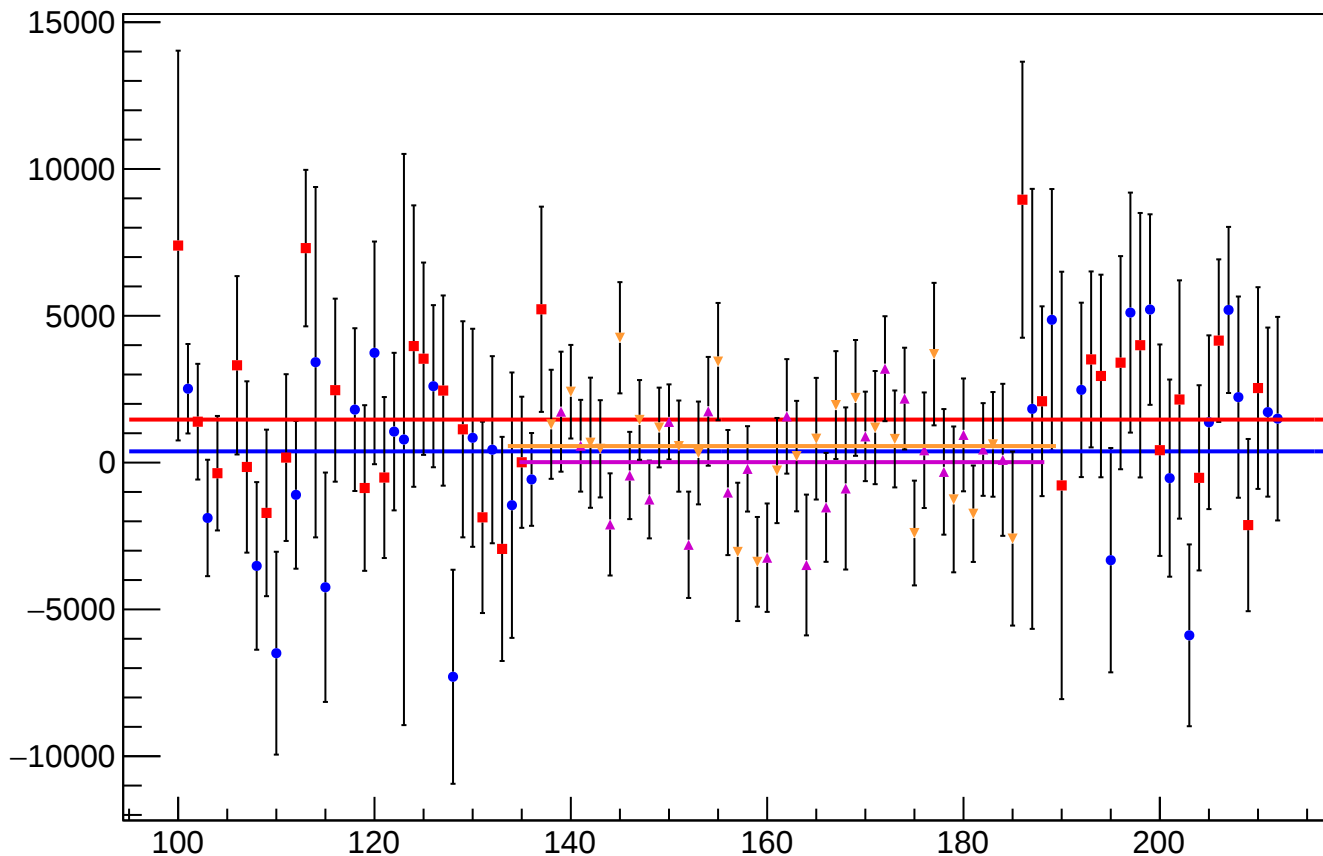
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1102.636 $\pm$ 0.133 χ^2 /NDF: 39694.9/54

All: 1104.441 $\pm$ 0.095 χ^2 /NDF: 86814.0/109

- sign 1106.288 $\pm$ 0.135 χ^2 /NDF: 46746.2/54

asym_usr_correction_mean vs Slug



Right In: 382.710 ± 538.741 χ^2/NDF : 31.7/29

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

Right Out: 1465.297 ± 548.706 χ^2/NDF : 21.6/31

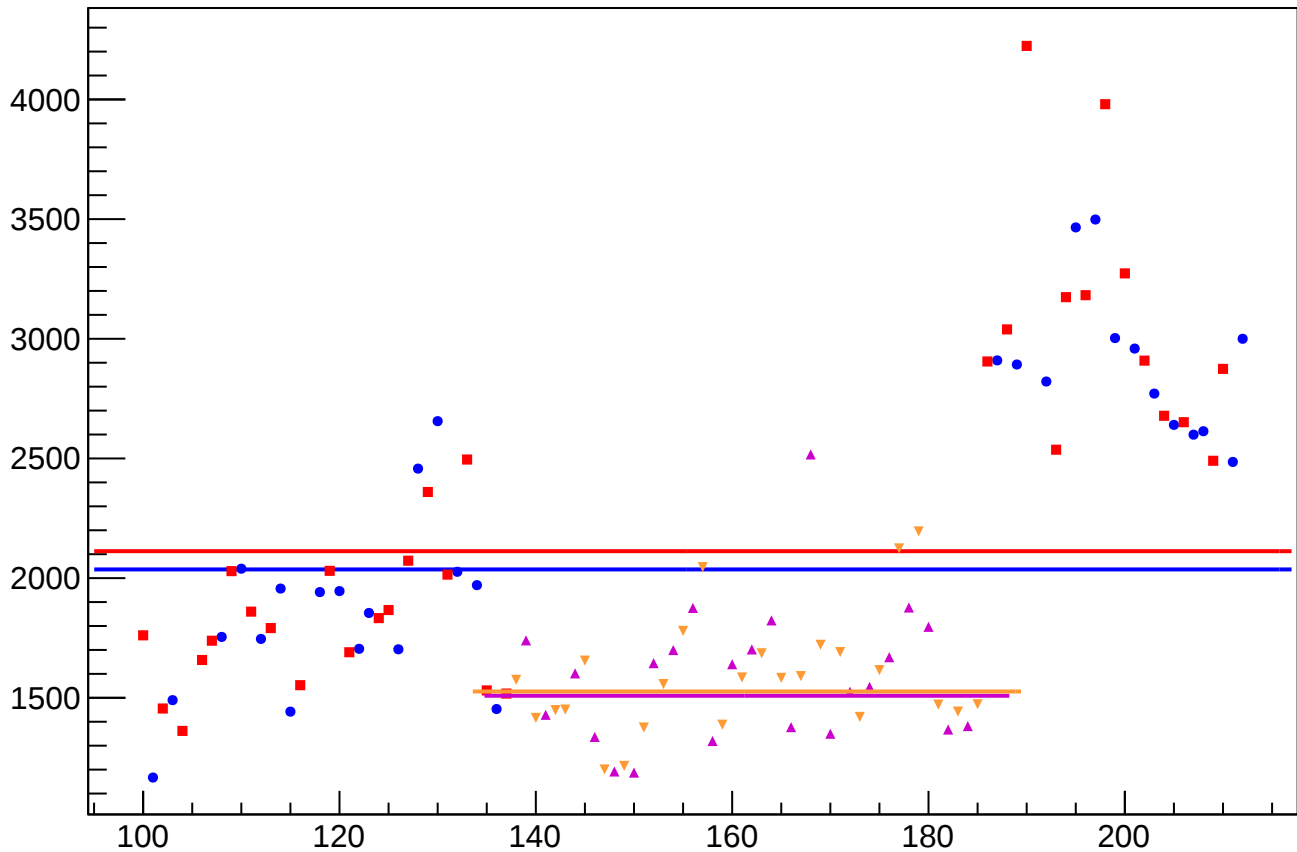
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 507.349 ± 299.840 χ^2/NDF : 58.5/54

All: 485.736 ± 213.810 χ^2/NDF : 105.1/109

- sign 463.378 ± 304.972 χ^2/NDF : 46.6/54

asym_usr_correction_rms vs Slug



Right In: 2036.362+/-0.381 χ^2/NDF : 2955429.7/29

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

Right Out: 2112.525+/-0.388 χ^2/NDF : 2698656.0/31

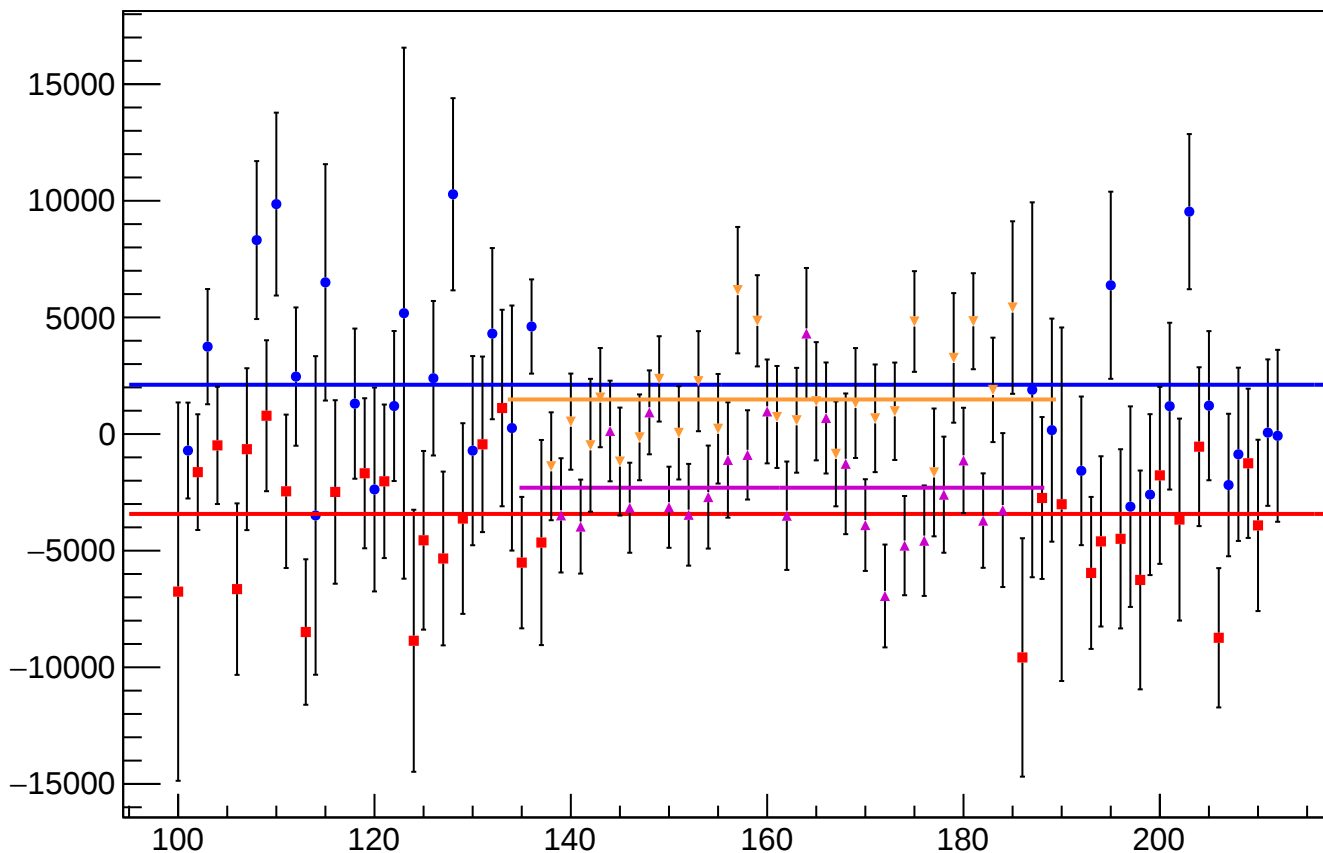
Left In: 1508.581+/-0.259 χ^2/NDF : 931684.8/22

+ sign 1684.357+/-0.212 χ^2/NDF : 4946124.9/54

All: 1689.661+/-0.151 χ^2/NDF : 10252196.8/1

- sign 1695.148+/-0.216 χ^2/NDF : 5304798.8/54

asym_usr_mean vs Slug



Right In: 2113.158 ± 629.162 χ^2/NDF : 33.2/29

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

Right Out: -3424.788 ± 633.984 χ^2/NDF : 19.3/31

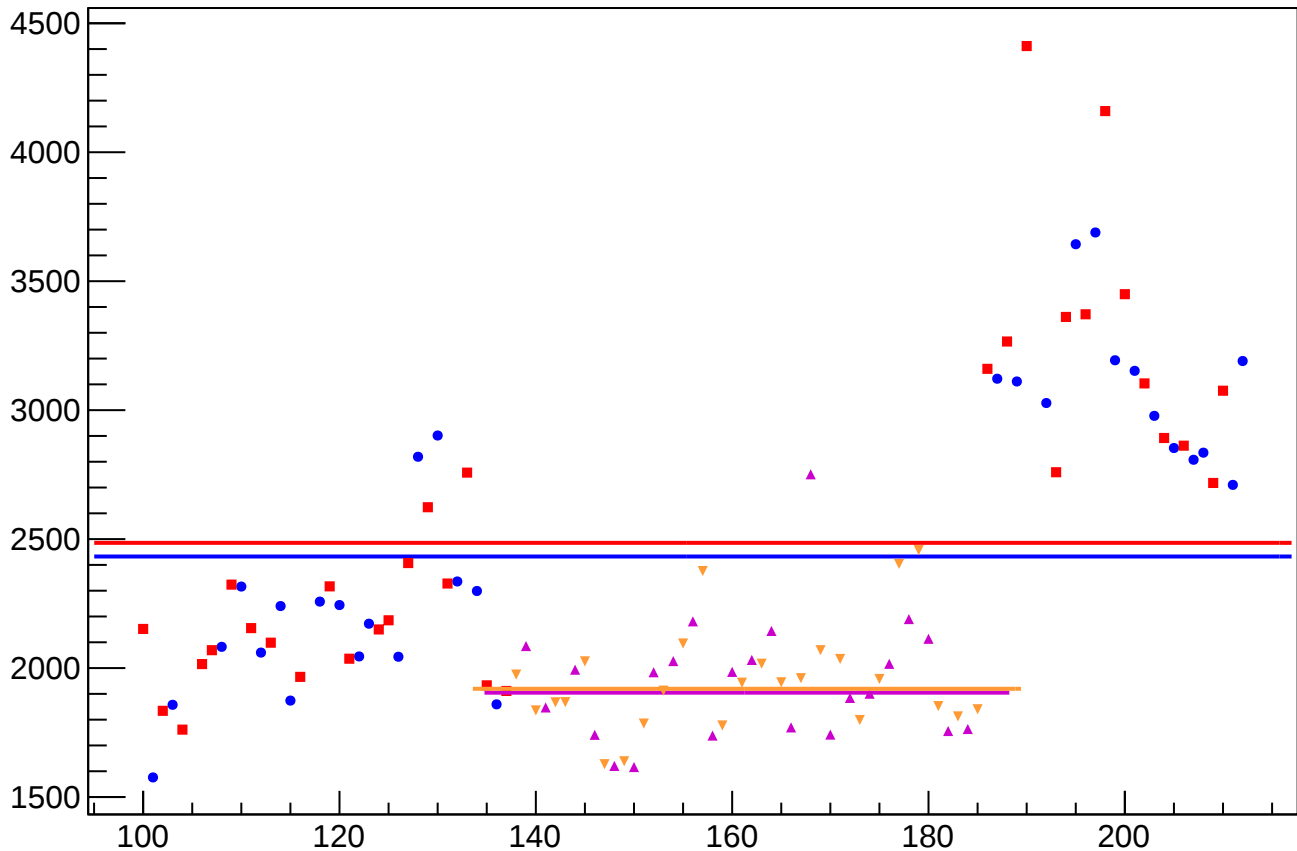
Left In: -2301.247 ± 459.040 χ^2/NDF : 24.8/22

+ sign 1695.836 ± 366.006 χ^2/NDF : 54.8/54

All: -461.441 ± 260.833 χ^2/NDF : 171.6/109

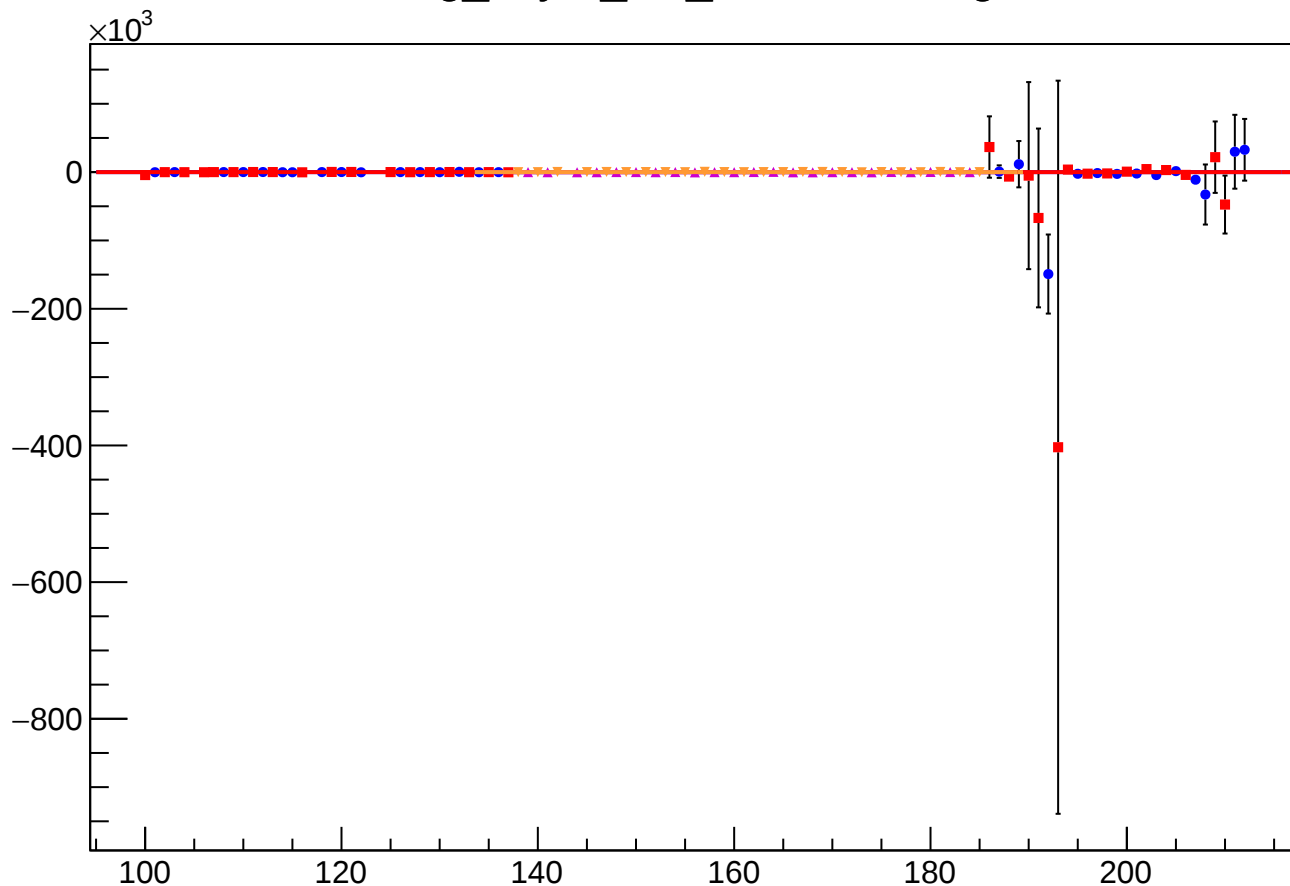
- sign -2687.681 ± 371.810 χ^2/NDF : 46.2/54

asym_usr_rms vs Slug



Right In: 2432.584 $\pm$ 0.445	χ^2 /NDF: 1710384.9/29	+ sign 2093.289 $\pm$ 0.259	χ^2 /NDF: 2955774.6/54
Left Out: 1919.732 $\pm$ 0.318	χ^2 /NDF: 366218.1/24	All: 2098.774 $\pm$ 0.184	χ^2 /NDF: 6201532.7/10
Right Out: 2485.555 $\pm$ 0.448	χ^2 /NDF: 1695809.4/31	- sign 2104.434 $\pm$ 0.263	χ^2 /NDF: 3244845.5/54
Left In: 1904.629 $\pm$ 0.325	χ^2 /NDF: 447350.7/22		

reg_asym_dsl_mean vs Slug



Right In: -2.343 ± 36.762 χ^2/NDF : 32.8/28

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

Right Out: -1.855 ± 36.747 χ^2/NDF : 20.9/31

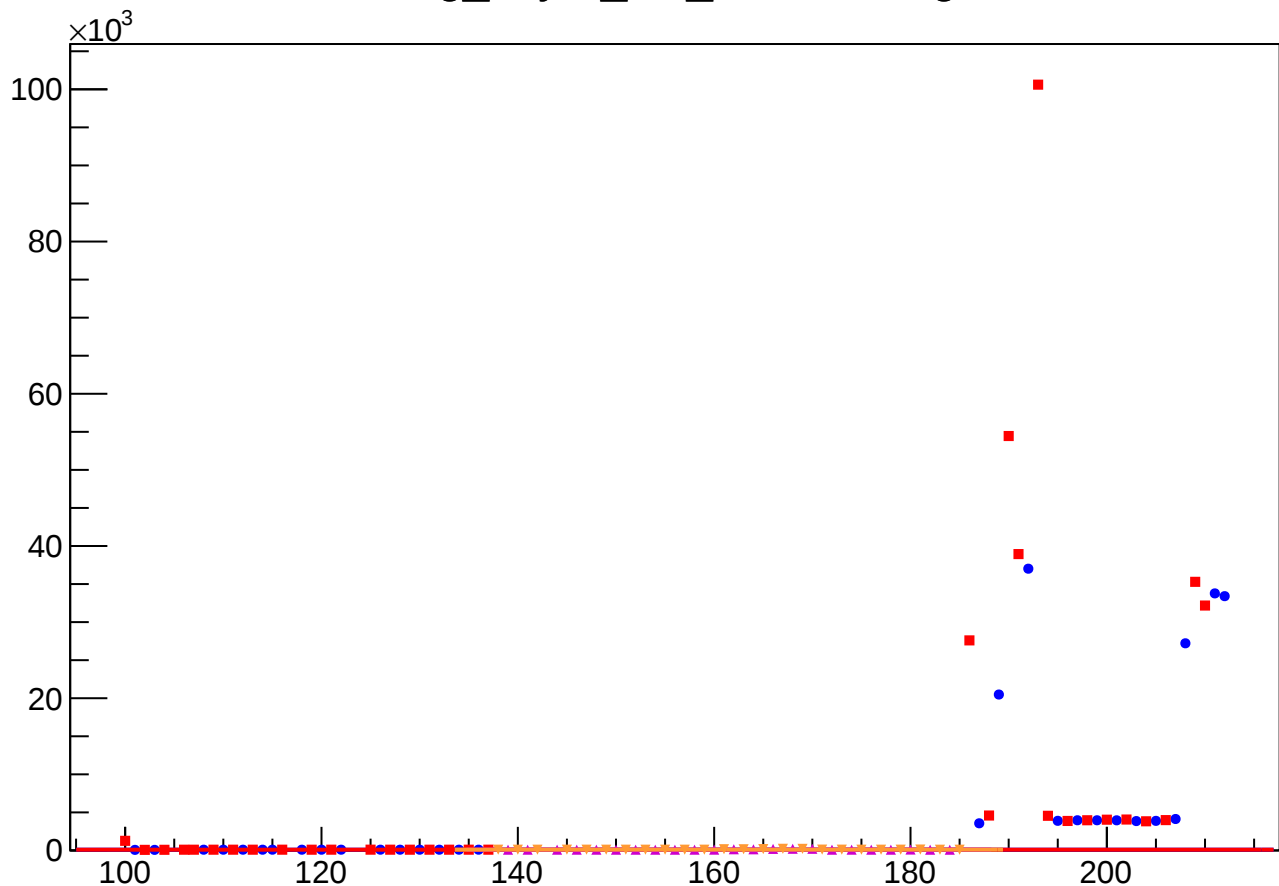
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.326 ± 21.368 χ^2/NDF : 68.8/52

All: -4.814 ± 15.124 χ^2/NDF : 127.0/107

- sign -17.002 ± 21.410 χ^2/NDF : 57.6/54

reg_asym_dsl_rms vs Slug



Right In: 96.092 $\pm$ 0.026 χ^2 /NDF: 15448268.9/28

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

Right Out: 98.270 $\pm$ 0.026 χ^2 /NDF: 14533585.0/31

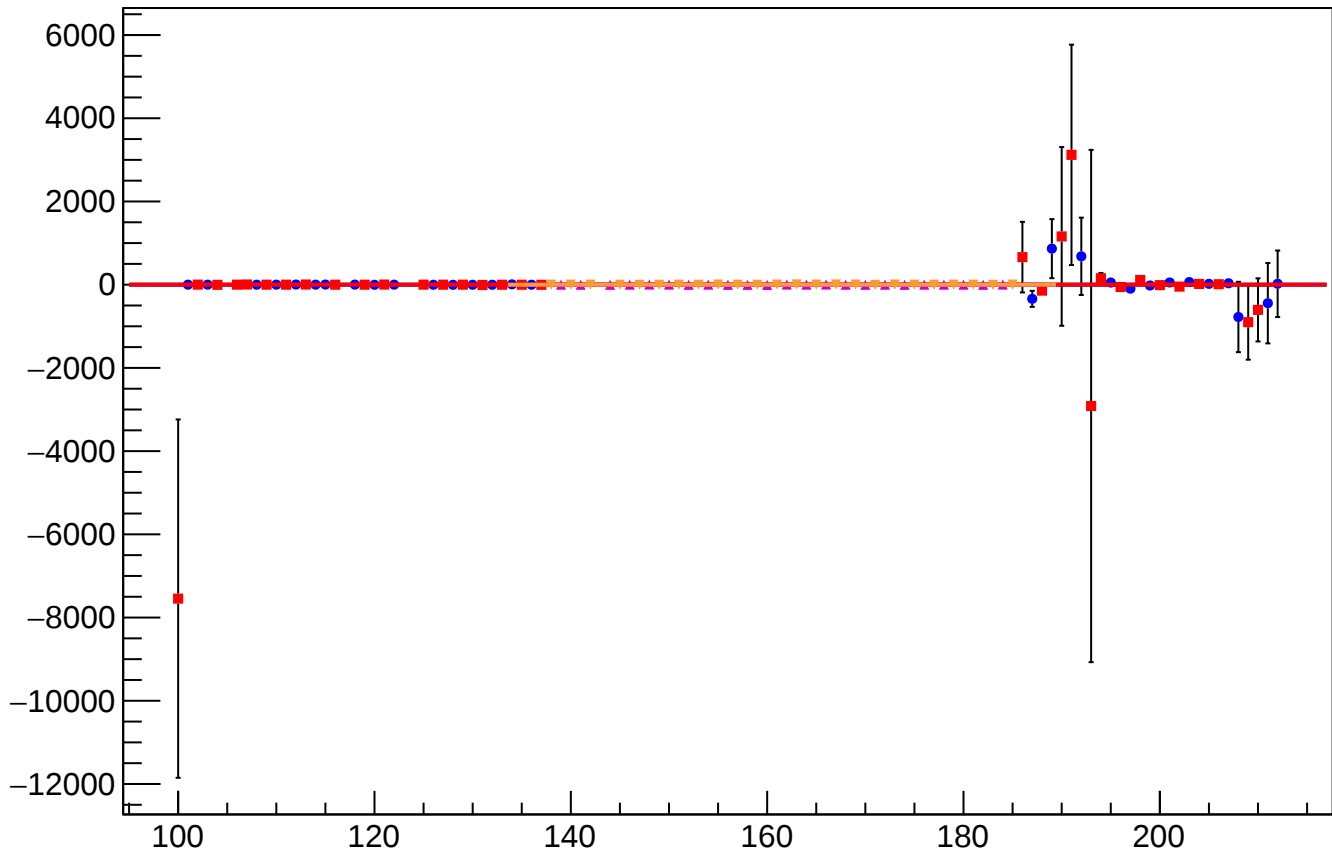
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 104.016 $\pm$ 0.015 χ^2 /NDF: 17023587.2/52

All: 104.248 $\pm$ 0.011 χ^2 /NDF: 33135166.3/10

- sign 104.481 $\pm$ 0.015 χ^2 /NDF: 16111107.5/54

asym_dsl_correction_mean vs Slug



Right In: 0.397 $\pm$ 0.617 χ^2 /NDF: 20.5/28

Left Out: -0.534 $\pm$ 0.475 χ^2 /NDF: 30.5/23

Right Out: 0.346 $\pm$ 0.644 χ^2 /NDF: 31.3/31

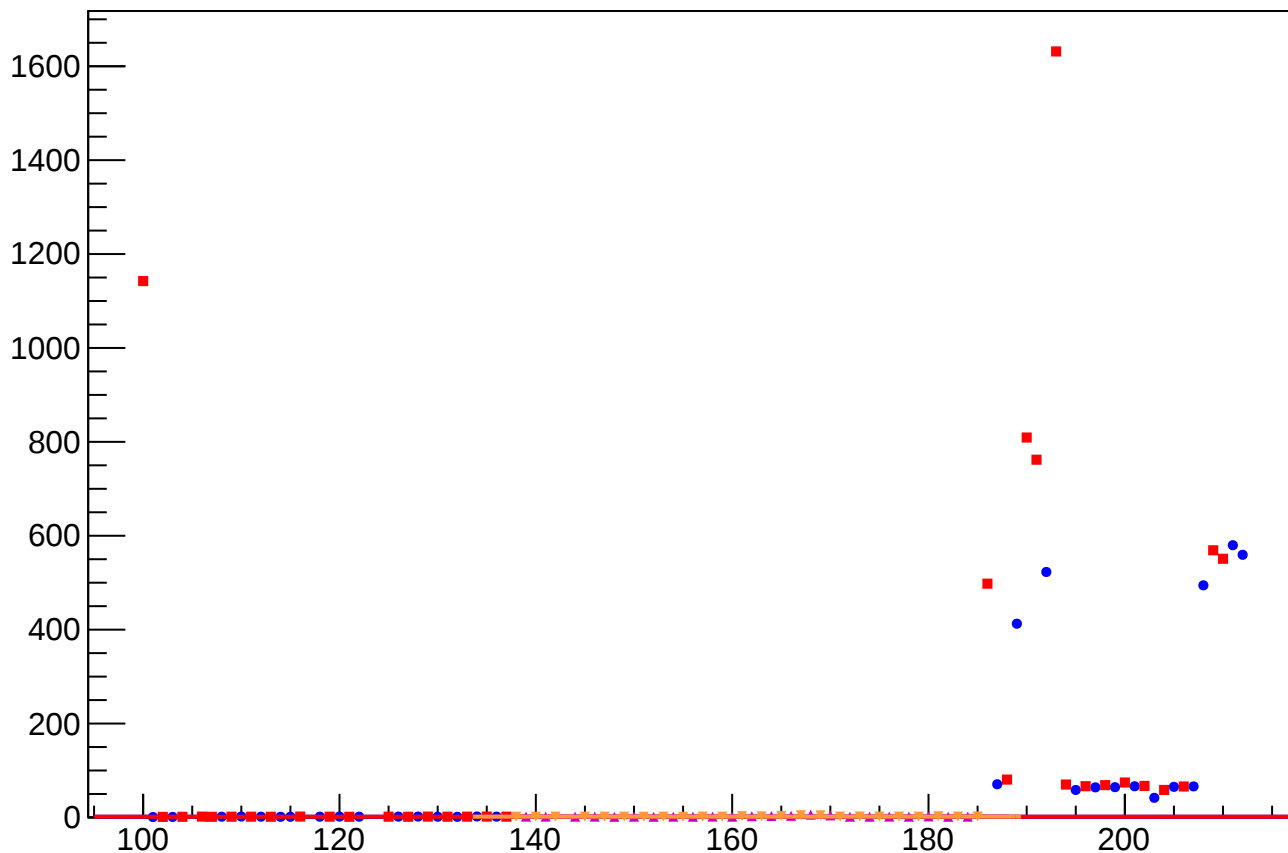
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF: 25.0/22

+ sign -0.188 $\pm$ 0.376 χ^2 /NDF: 52.4/52

All: -0.015 $\pm$ 0.270 χ^2 /NDF: 109.3/107

- sign 0.168 $\pm$ 0.387 χ^2 /NDF: 56.4/54

asym_dsl_correction_rms vs Slug



Right In: 1.450+/-0.000 χ^2/NDF : 13459342.2/28

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

Right Out: 1.585+/-0.000 χ^2/NDF : 12783557.0/31

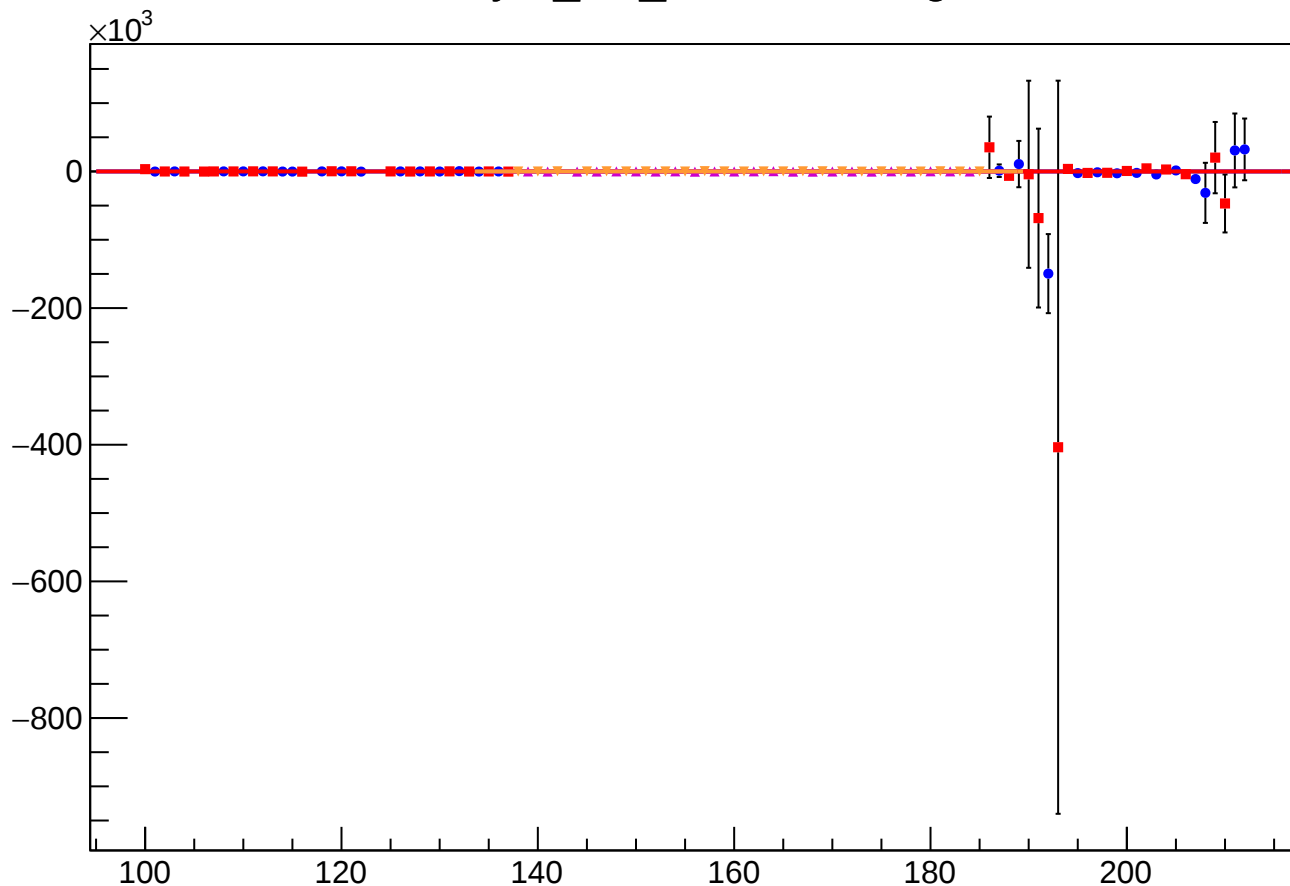
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.652+/-0.000 χ^2/NDF : 15398549.1/52

All: 1.687+/-0.000 χ^2/NDF : 30284621.4/107

- sign 1.724+/-0.000 χ^2/NDF : 14850615.2/54

asym_dsl_mean vs Slug



Right In: -2.056 ± 36.771 χ^2/NDF : 33.1/28

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

Right Out: -1.620 ± 36.757 χ^2/NDF : 20.3/31

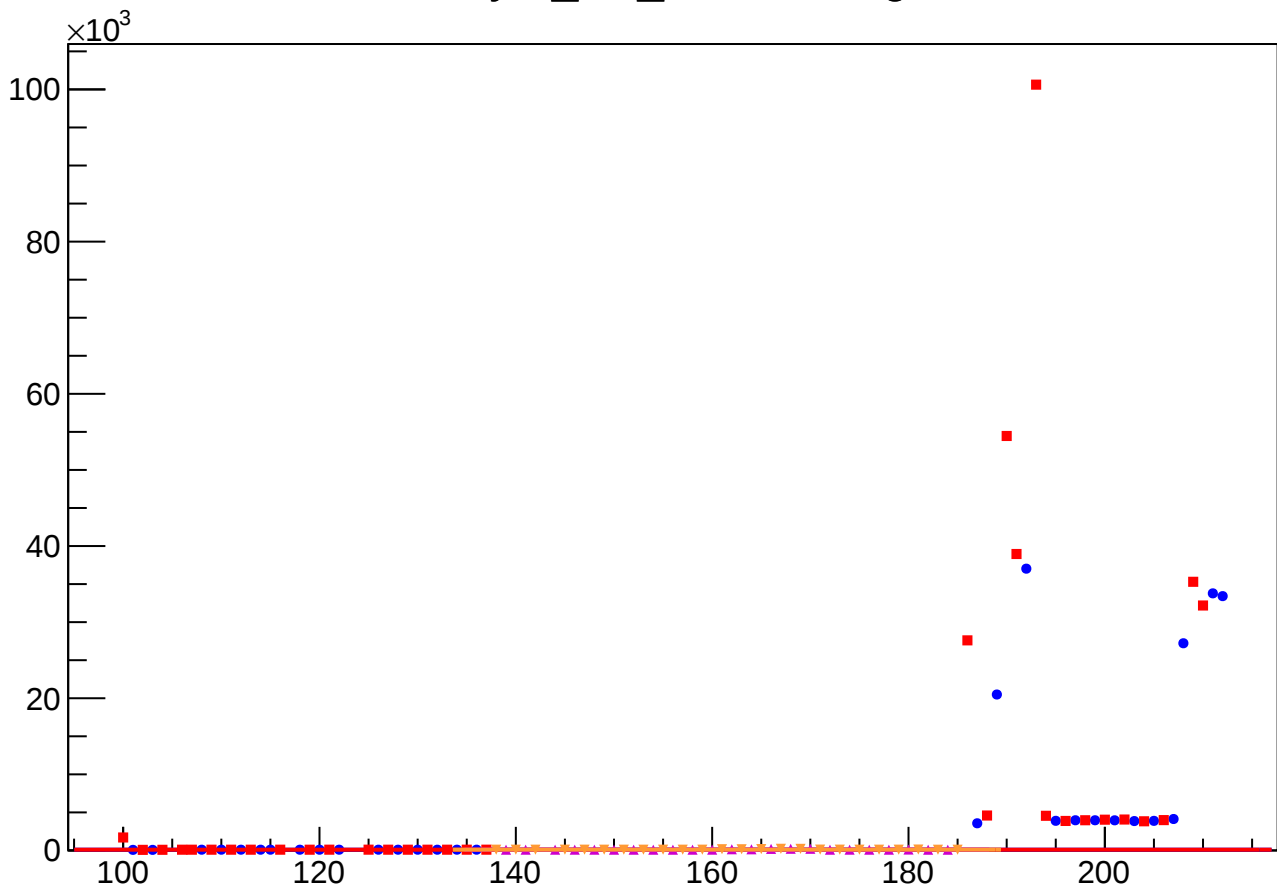
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 7.878 ± 21.374 χ^2/NDF : 69.0/52

All: -4.671 ± 15.129 χ^2/NDF : 125.9/107

- sign -17.269 ± 21.416 χ^2/NDF : 56.2/54

asym_dsl_rms vs Slug



Right In: 96.117 $\pm$ 0.026 χ^2 /NDF: 15448281.1/28

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

Right Out: 98.279 $\pm$ 0.026 χ^2 /NDF: 14538885.4/31

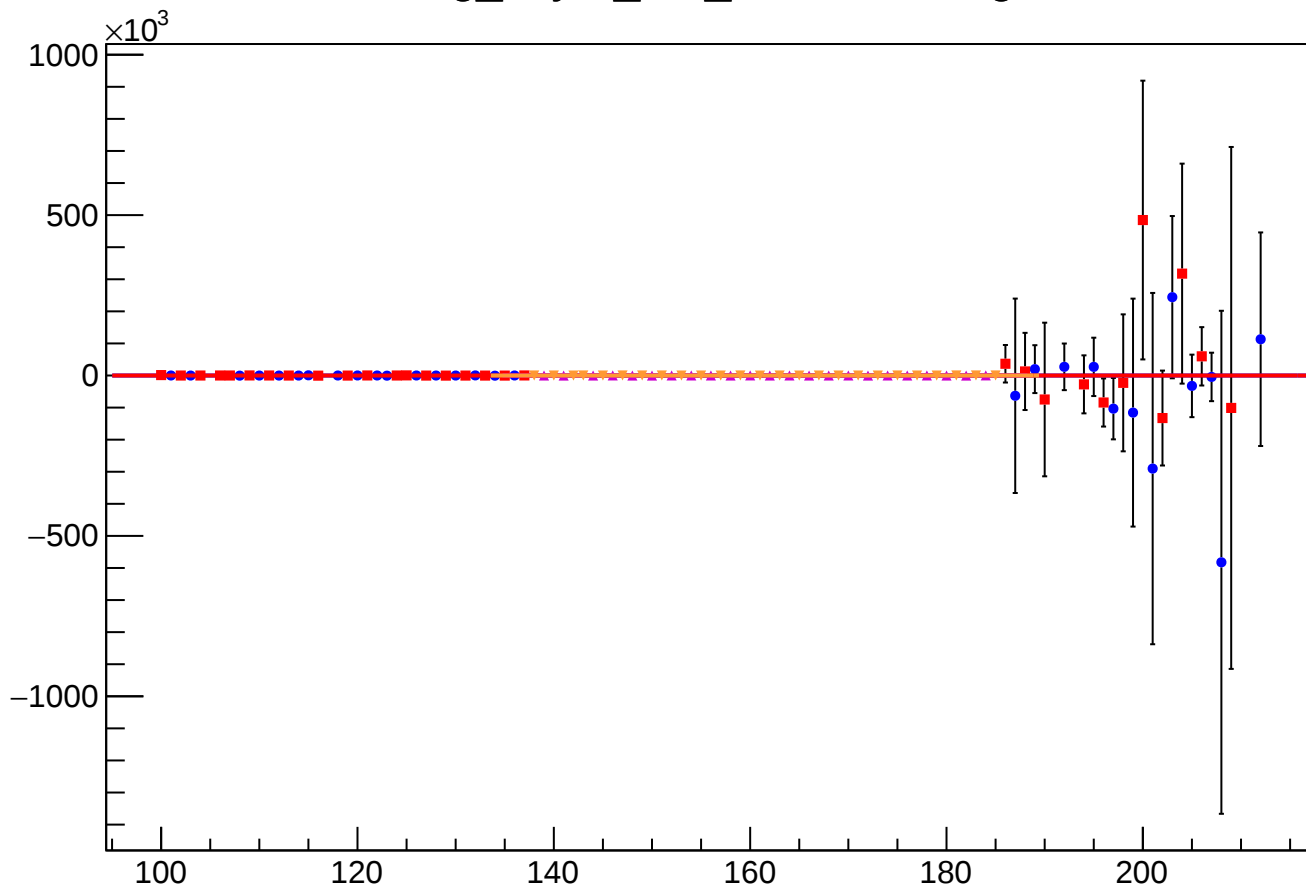
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 104.045 $\pm$ 0.015 χ^2 /NDF: 17025053.5/52

All: 104.274 $\pm$ 0.011 χ^2 /NDF: 33143570.9/10

- sign 104.504 $\pm$ 0.015 χ^2 /NDF: 16118056.4/54

reg_asym_dsr_mean vs Slug



Right In: -26.802 ± 46.841 χ^2/NDF : 18.0/28

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

Right Out: -53.389 ± 47.775 χ^2/NDF : 20.6/29

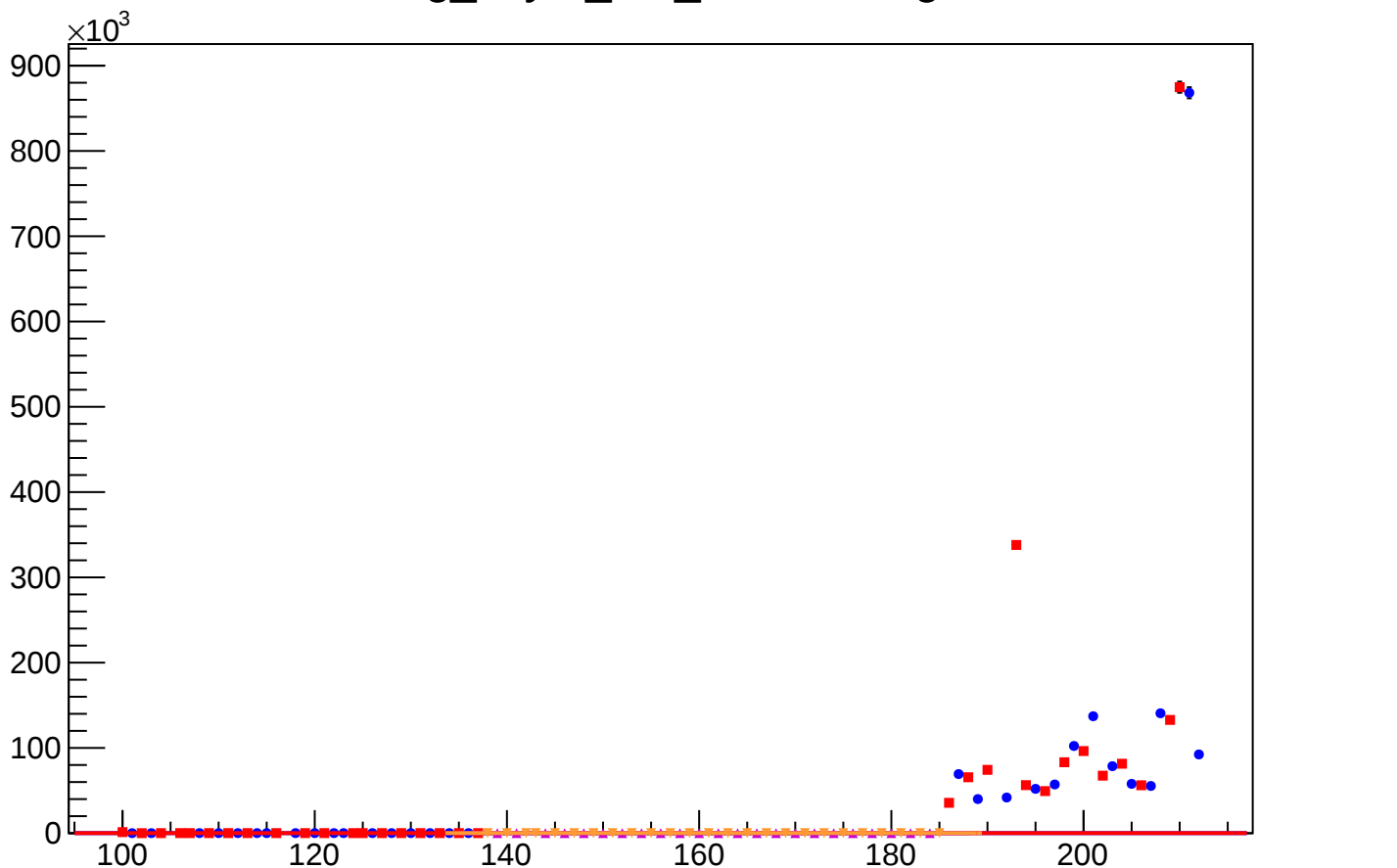
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.287 ± 26.458 χ^2/NDF : 30.1/53

All: 4.345 ± 18.939 χ^2/NDF : 75.6/106

- sign 27.074 ± 27.121 χ^2/NDF : 44.1/52

reg_asym_dsr_rms vs Slug



Right In: 117.880 $\pm$ 0.033 χ^2 /NDF: 6718331.2/29

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

Right Out: 124.838 $\pm$ 0.034 χ^2 /NDF: 6251053.7/31

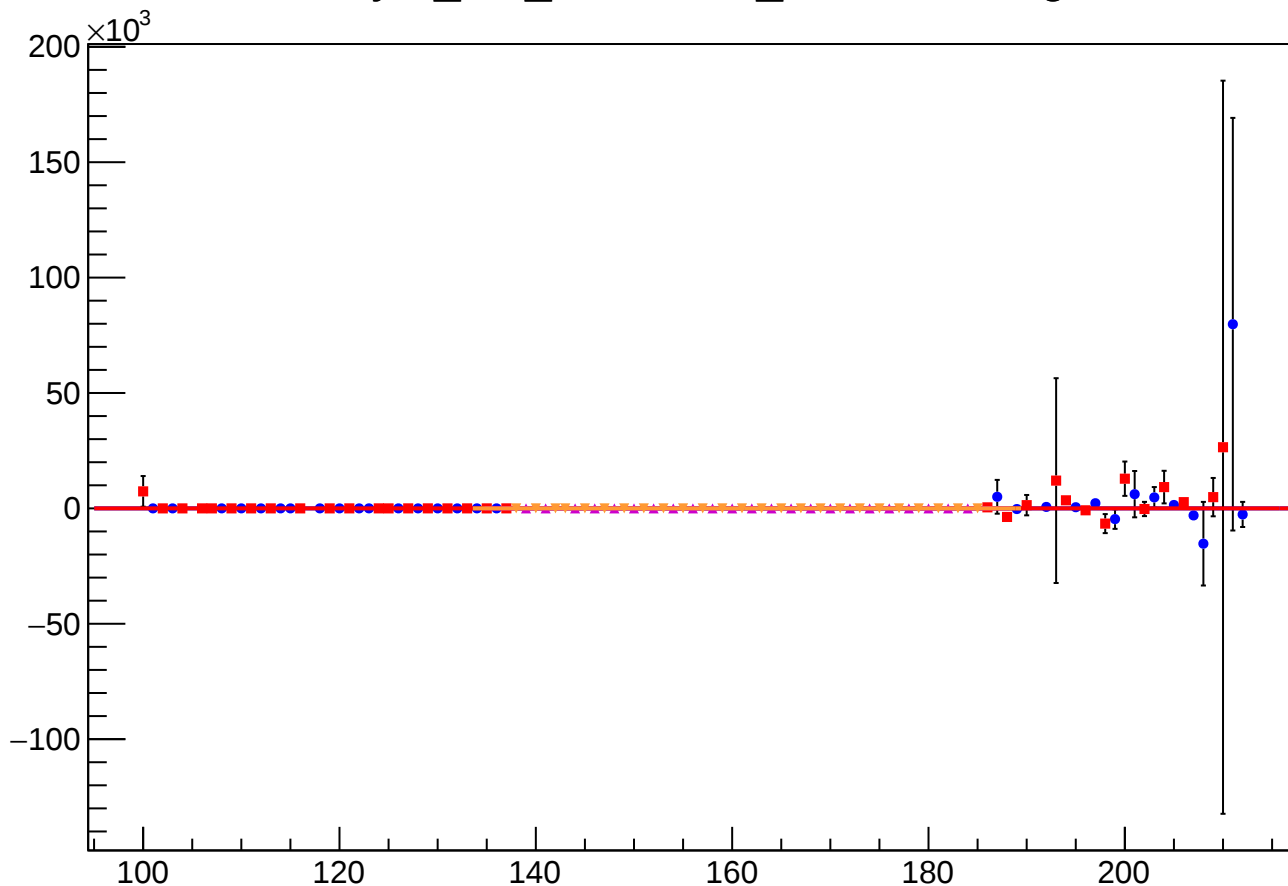
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.483 $\pm$ 0.019 χ^2 /NDF: 6966473.5/54

All: 132.528 $\pm$ 0.013 χ^2 /NDF: 13324235.9/10

- sign 133.626 $\pm$ 0.019 χ^2 /NDF: 6351366.0/54

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 25.0/29

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

Right Out: 0.639 ± 0.852 χ^2/NDF : 32.6/31

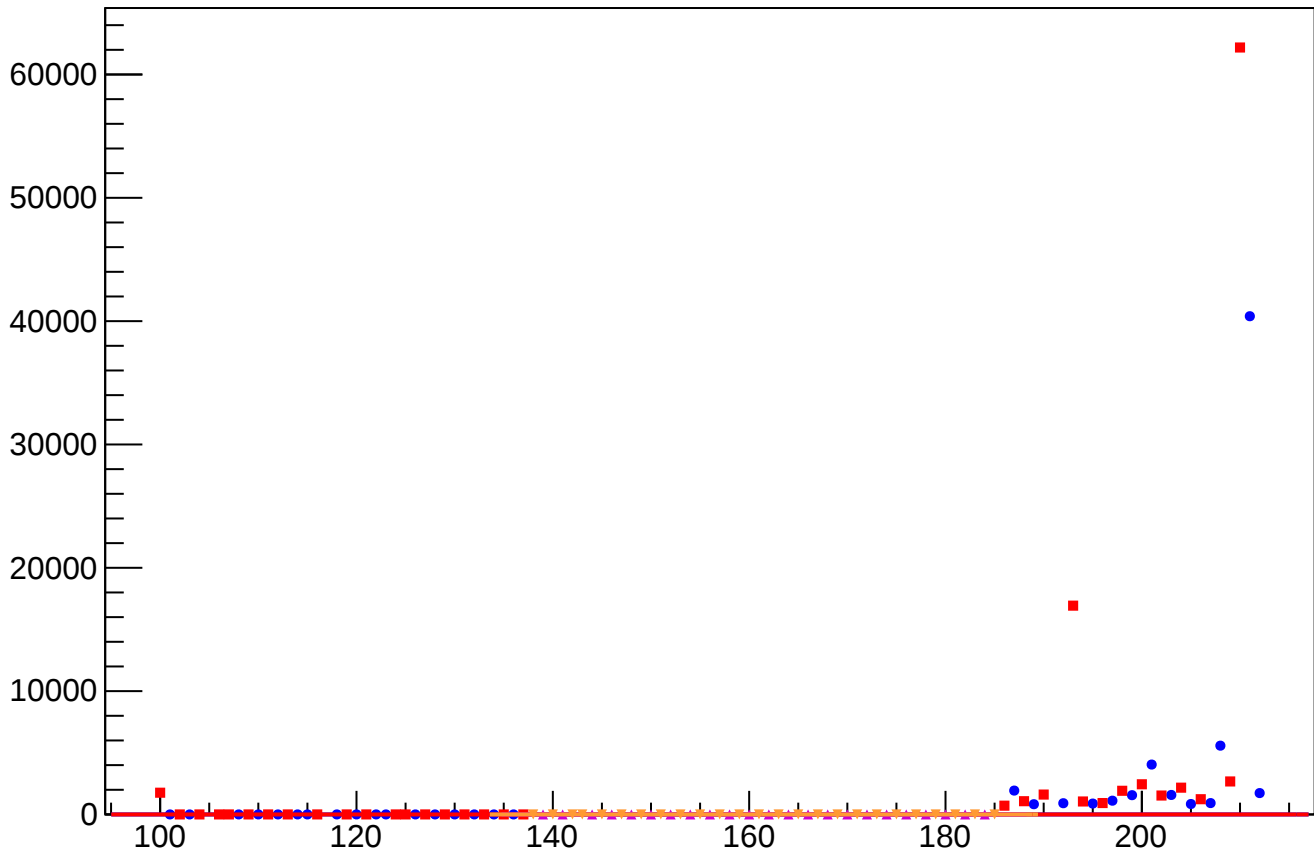
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 55.5/54

All: 0.046 ± 0.334 χ^2/NDF : 109.6/109

- sign 0.004 ± 0.479 χ^2/NDF : 54.0/54

asym_dsr_correction_rms vs Slug



Right In: 1.867 $\pm$ 0.001 χ^2 /NDF: 6427250.6/29

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

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 6586352.7/31

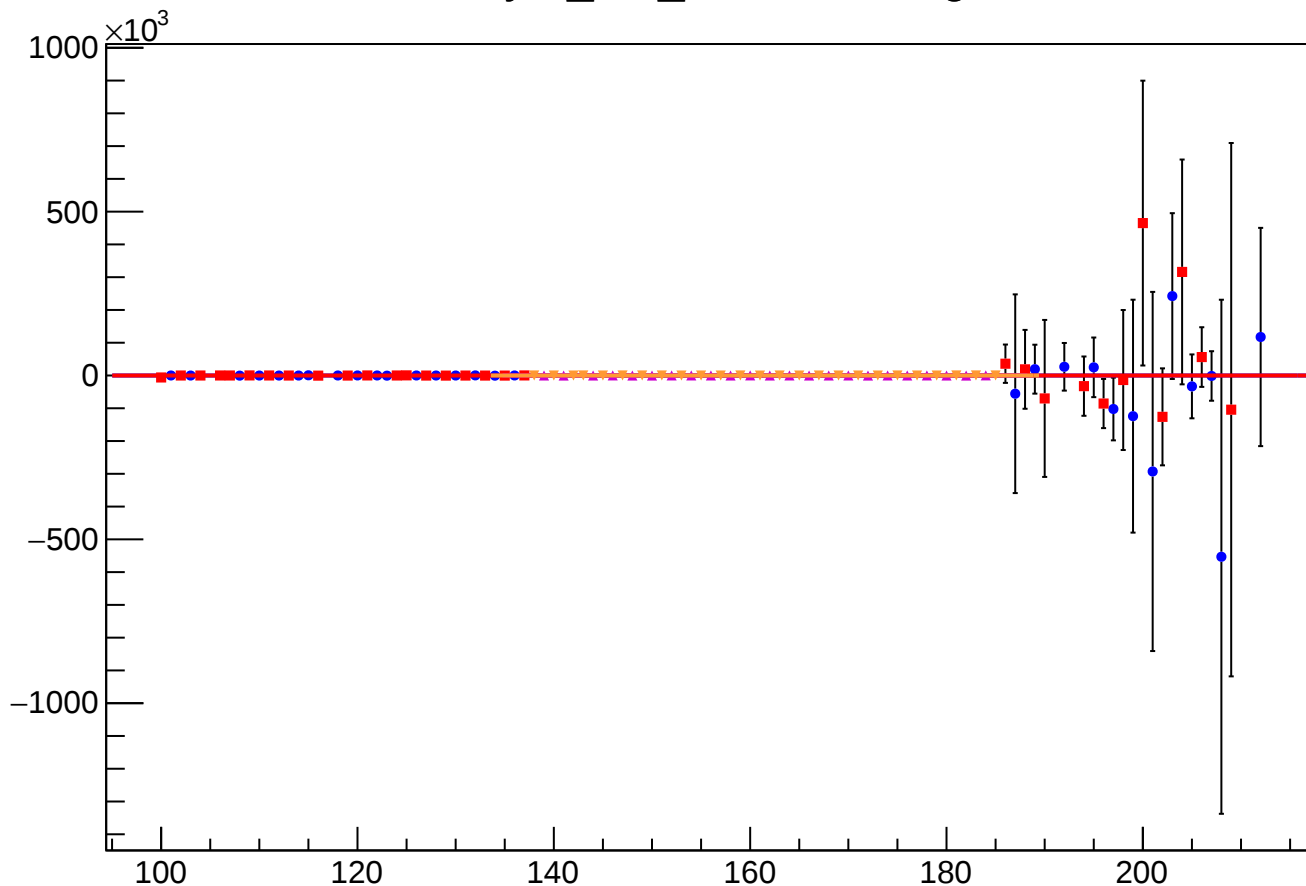
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF: 510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 7119431.4/54

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 14249592.0/109

- sign 2.153 $\pm$ 0.000 χ^2 /NDF: 7127958.7/54

asym_dsr_mean vs Slug



Right In: -25.064 ± 46.854 χ^2/NDF : 18.0/28

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

Right Out: -54.292 ± 47.789 χ^2/NDF : 21.1/29

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

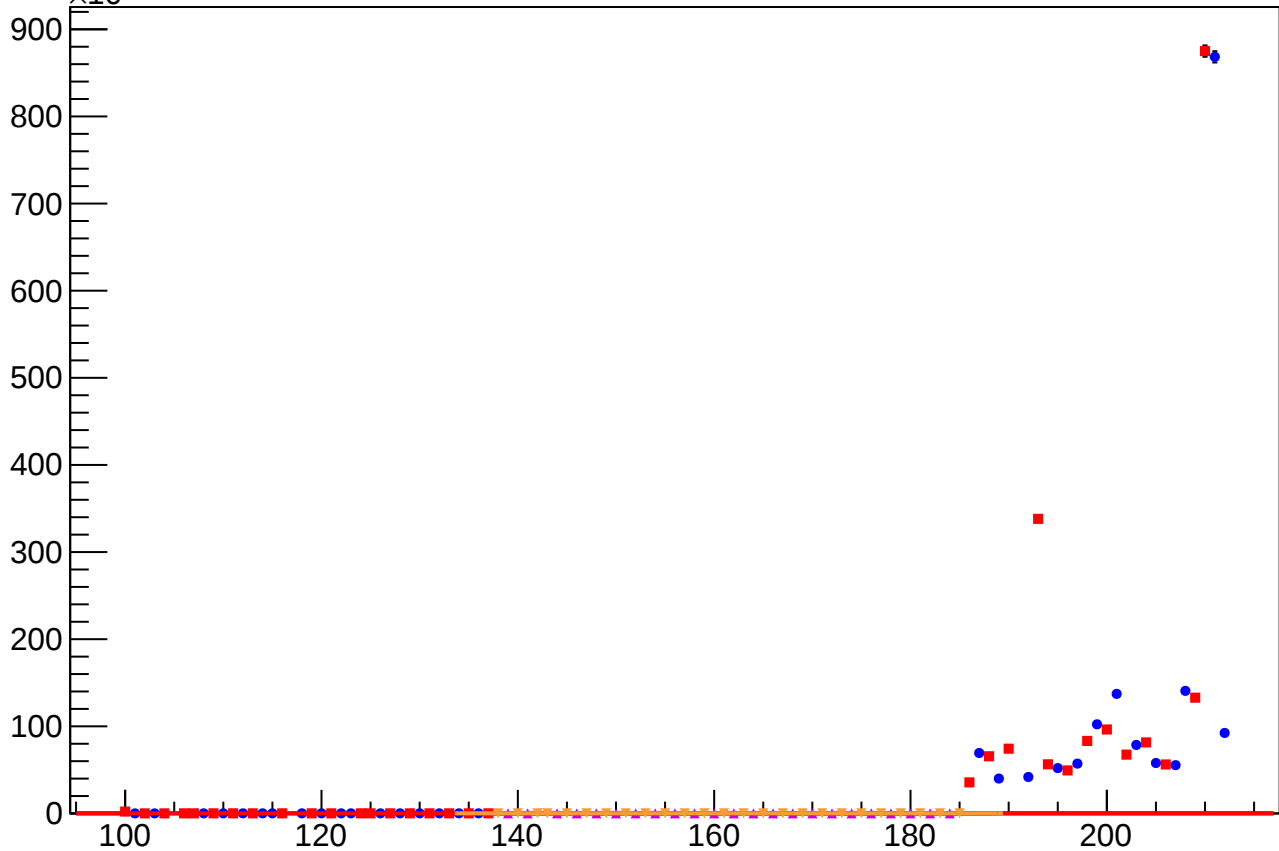
+ sign -17.110 ± 26.465 χ^2/NDF : 29.8/53

All: 4.260 ± 18.944 χ^2/NDF : 75.9/106

- sign 26.714 ± 27.129 χ^2/NDF : 44.7/52

asym_dsr_rms vs Slug

$\times 10^3$



Right In: 117.912 $\pm$ 0.033 χ^2 /NDF: 6718475.9/29

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

Right Out: 124.827 $\pm$ 0.034 χ^2 /NDF: 6261723.7/31

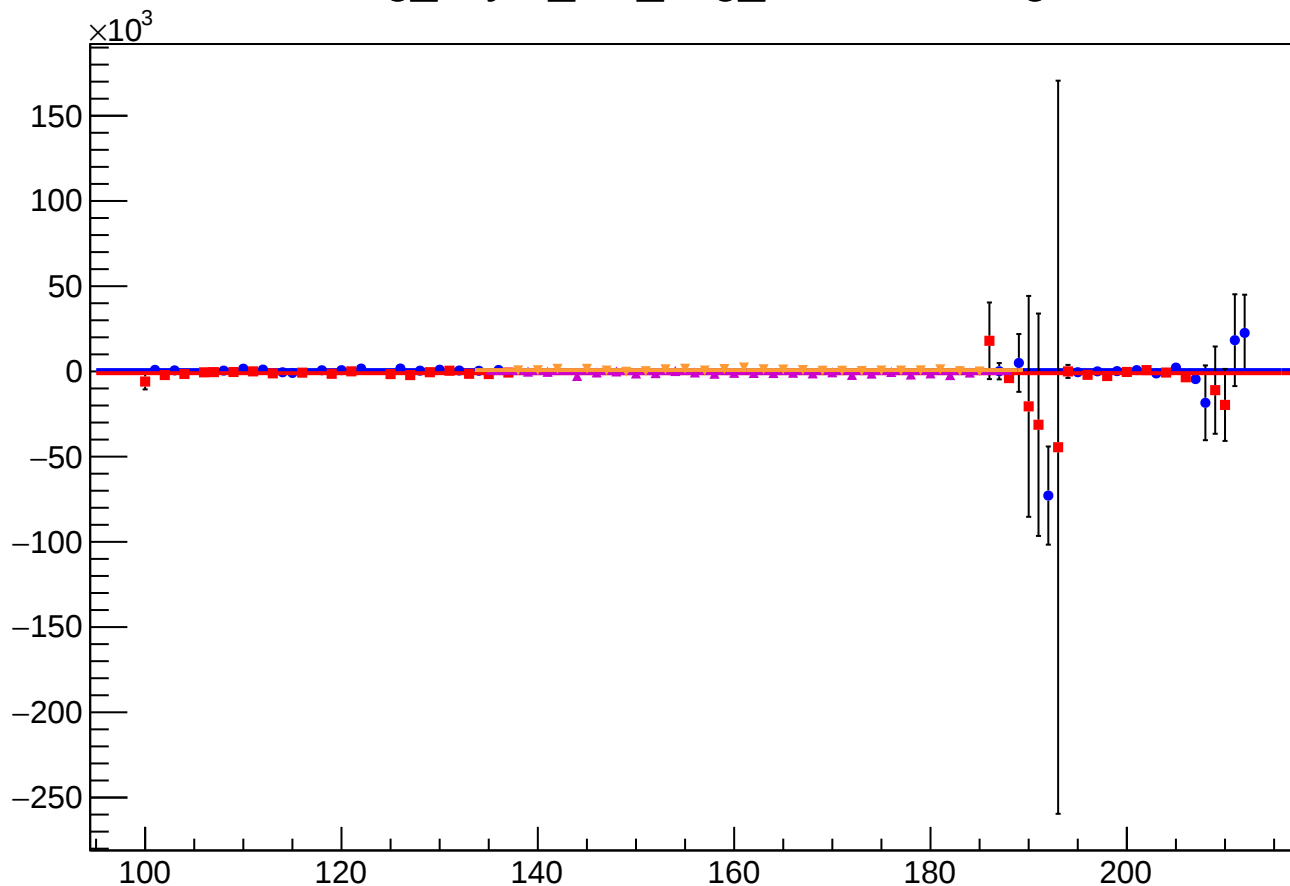
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.519 $\pm$ 0.019 χ^2 /NDF: 6966649.4/54

All: 132.558 $\pm$ 0.013 χ^2 /NDF: 13335705.9/10

- sign 133.649 $\pm$ 0.019 χ^2 /NDF: 6362744.1/54

reg_asym_left_avg_mean vs Slug



Right In: 768.826 $\pm$ 209.854 χ^2/NDF : 21.0/28

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

Right Out: -1039.522 $\pm$ 207.275 χ^2/NDF : 19.6/31

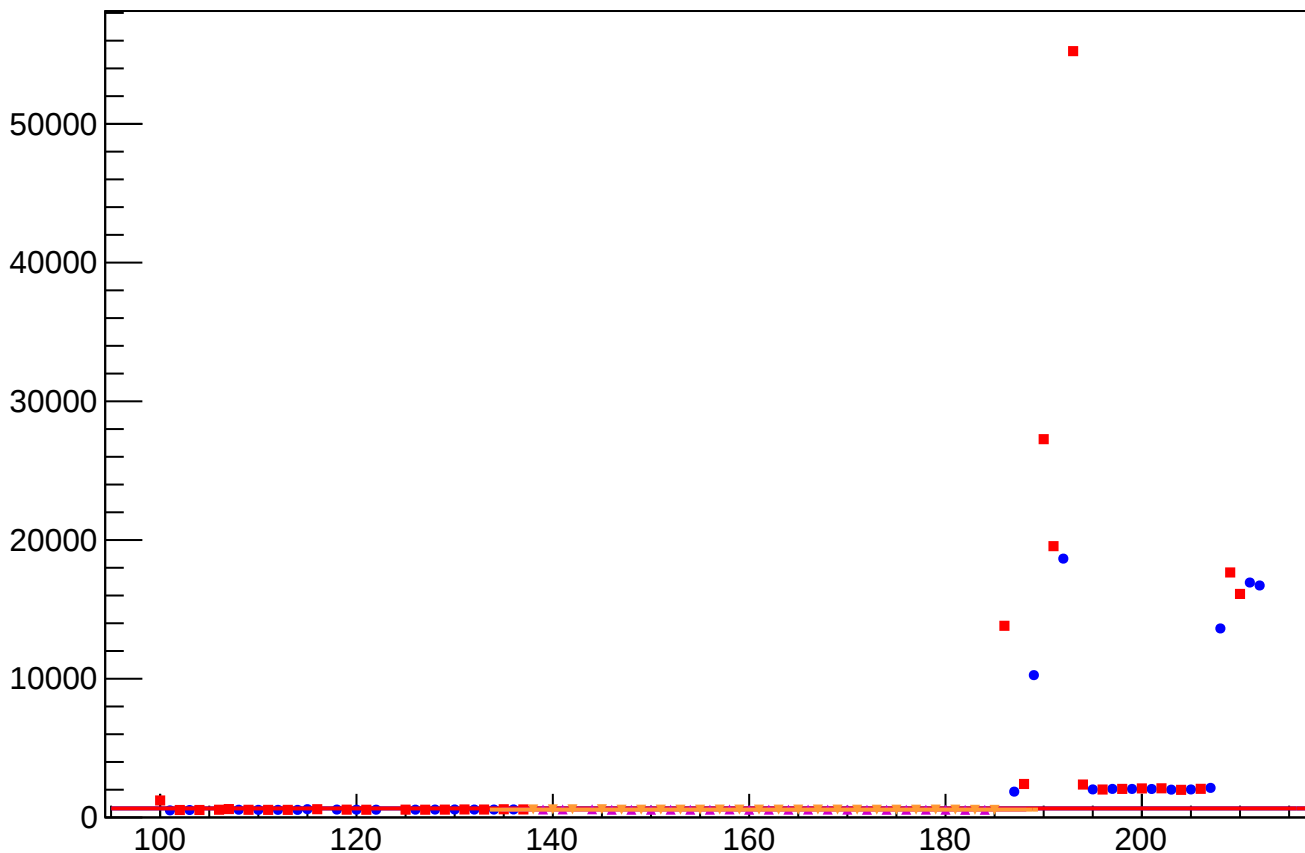
Left In: -974.402 $\pm$ 134.932 χ^2/NDF : 27.4/22

+ sign 779.866 $\pm$ 112.971 χ^2/NDF : 40.2/52

All: -106.090 $\pm$ 79.922 χ^2/NDF : 210.4/107

- sign -993.784 $\pm$ 113.082 χ^2/NDF : 47.1/54

reg_asym_left_avg_rms vs Slug



Right In: 654.215+/-0.148 χ^2/NDF : 9694029.2/28

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

Right Out: 651.642+/-0.147 χ^2/NDF : 9143333.0/31

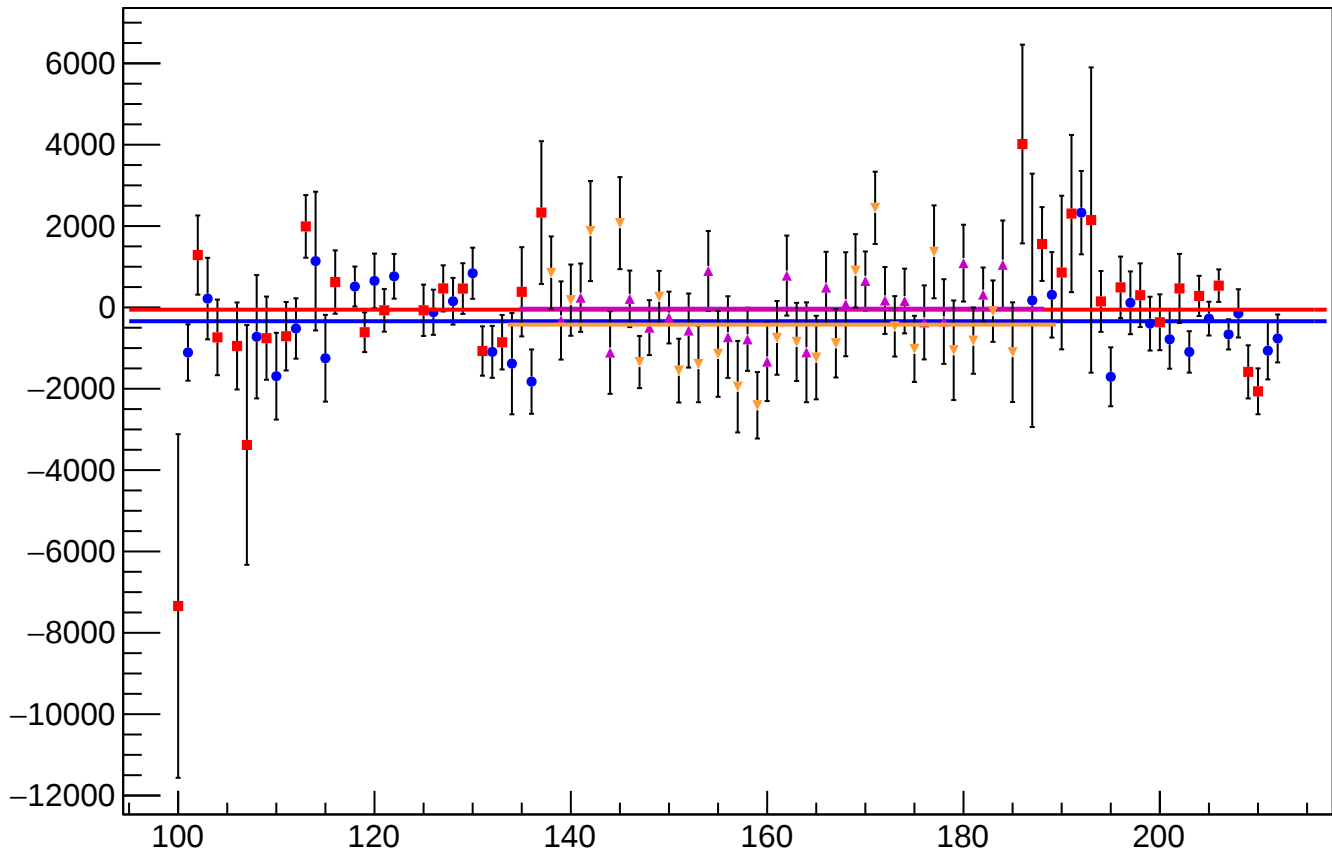
Left In: 564.383+/-0.095 χ^2/NDF :9209.5/22

+ sign 590.246+/-0.080 χ^2/NDF : 9965289.6/52

All: 590.301+/-0.057 χ^2/NDF : 19366783.6/10

- sign 590.355+/-0.080 χ^2/NDF : 9401493.1/54

asym_left_avg_correction_mean vs Slug



Right In: -339.667 $\pm$ 124.040 χ^2 /NDF: 40.1/28

Left Out: -422.681 $\pm$ 180.610 χ^2 /NDF: 43.2/23

Right Out: -55.574 $\pm$ 131.754 χ^2 /NDF: 55.6/31

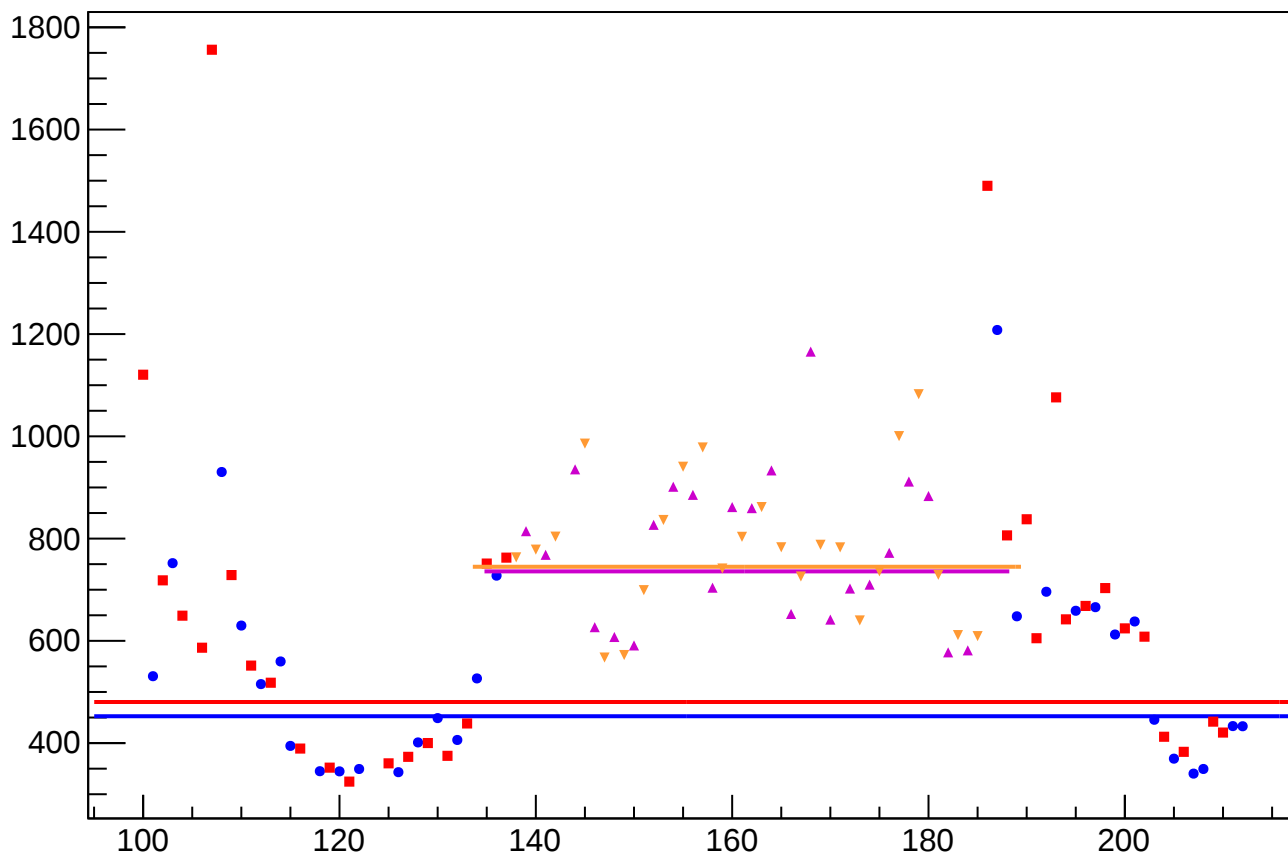
Left In: -32.411 $\pm$ 179.430 χ^2 /NDF: 12.2/22

+ sign -366.273 $\pm$ 102.248 χ^2 /NDF: 83.5/52

All: -212.906 $\pm$ 73.658 χ^2 /NDF: 155.9/107

- sign -47.460 $\pm$ 106.199 χ^2 /NDF: 67.8/54

asym_left_avg_correction_rms vs Slug



Right In: 452.550 $\pm$ 0.088 χ^2 /NDF: 2246979.8/28

Left Out: 744.909 $\pm$ 0.128 χ^2 /NDF:1008847.7/23

Right Out: 480.394 $\pm$ 0.093 χ^2 /NDF: 2951766.3/31

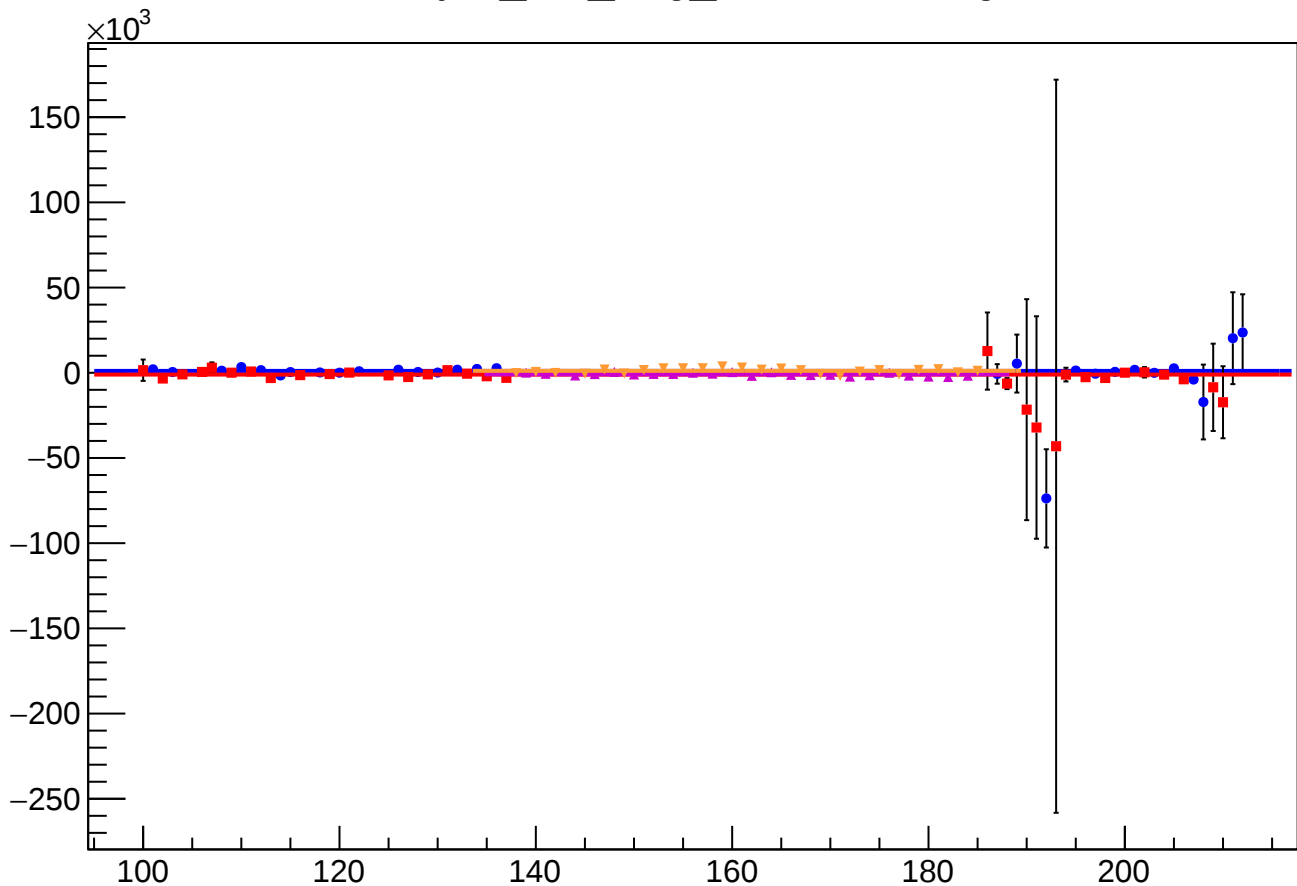
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

+ sign 546.252 $\pm$ 0.072 χ^2 /NDF: 6816799.6/52

All: 557.619 $\pm$ 0.052 χ^2 /NDF: 13559129.6/10

- sign 569.882 $\pm$ 0.075 χ^2 /NDF: 6690943.7/54

asym_left_avg_mean vs Slug



Right In: 1094.500+/-280.591 χ^2/NDF : 26.8/28

Left Out: 1137.936+/-228.834 χ^2/NDF : 38.9/23

Right Out: -1062.914+/-280.373 χ^2/NDF : 30.4/31

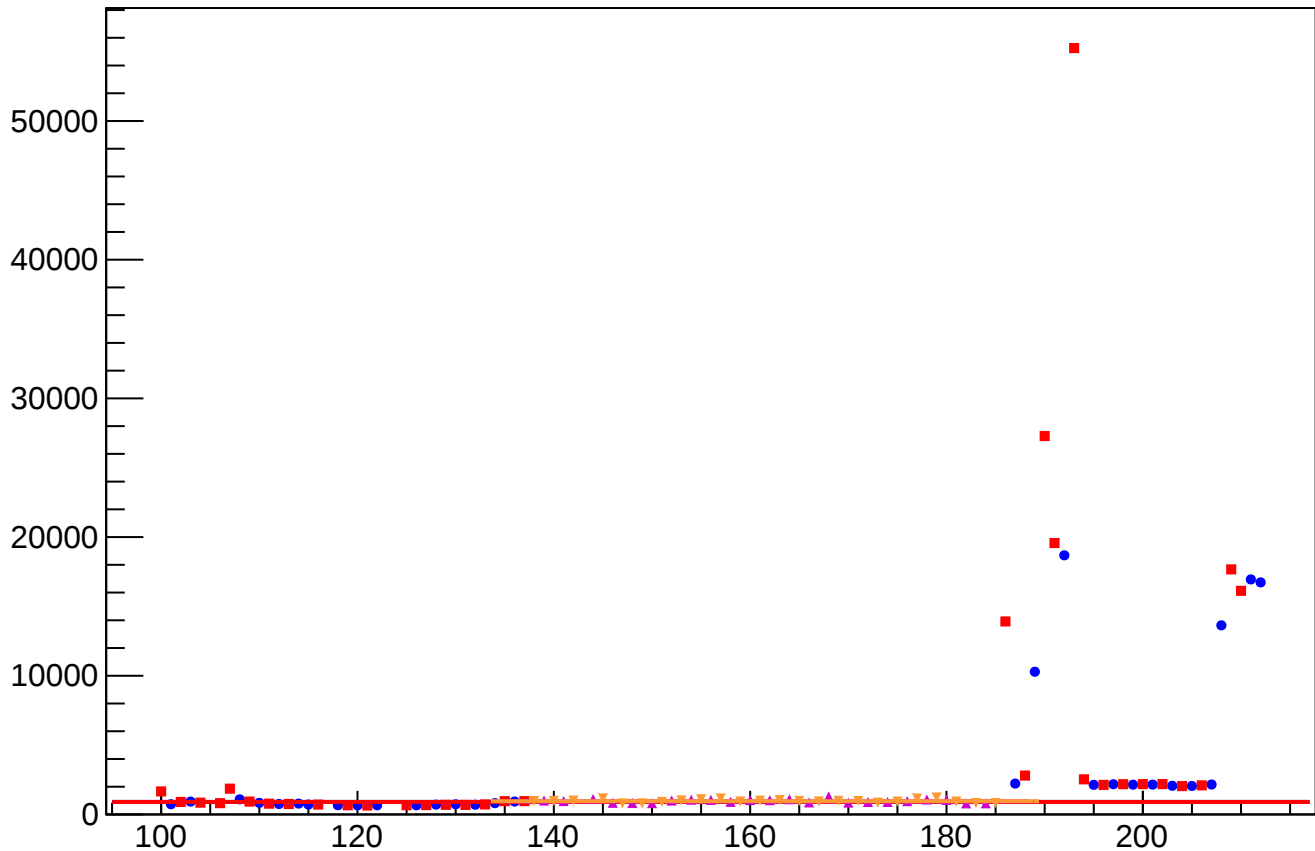
Left In: -941.702+/-228.324 χ^2/NDF : 14.8/22

+ sign 1120.586+/-177.337 χ^2/NDF : 65.7/52

All: 63.534+/-125.293 χ^2/NDF : 182.0/107

- sign -990.034+/-177.044 χ^2/NDF : 45.3/54

asym_left_avg_rms vs Slug



Right In: 903.572+/-0.198 χ^2/NDF : 8376697.8/28

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

Right Out: 902.461+/-0.198 χ^2/NDF : 8238934.5/31

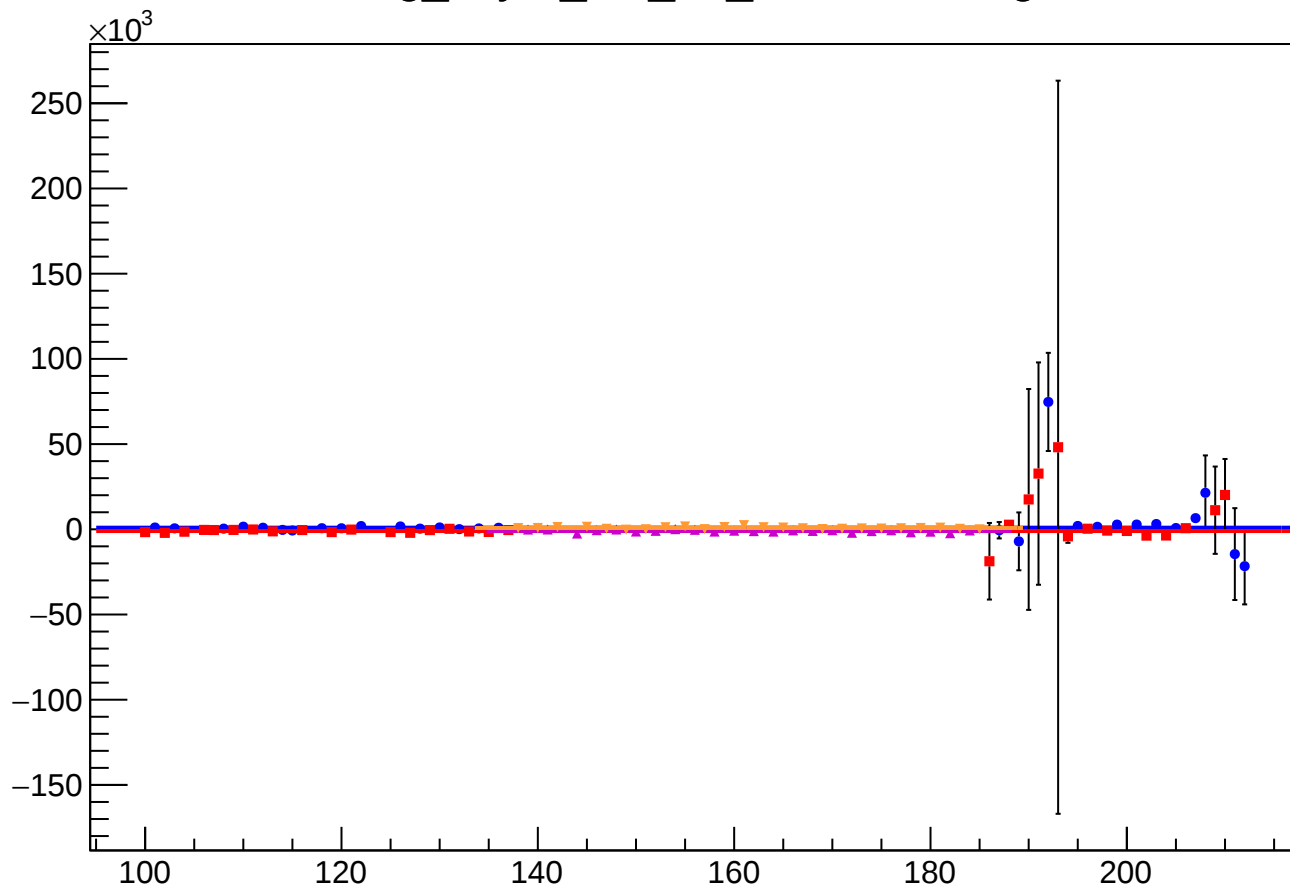
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 934.057+/-0.125 χ^2/NDF : 8876156.2/52

All: 931.516+/-0.089 χ^2/NDF : 17647044.1/10

- sign 928.984+/-0.125 χ^2/NDF : 8770068.0/54

reg_asym_left_dd_mean vs Slug



Right In: 957.575 $\pm$ 209.723 χ^2 /NDF: 23.7/28

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

Right Out: -1015.283 $\pm$ 202.662 χ^2 /NDF: 20.1/31

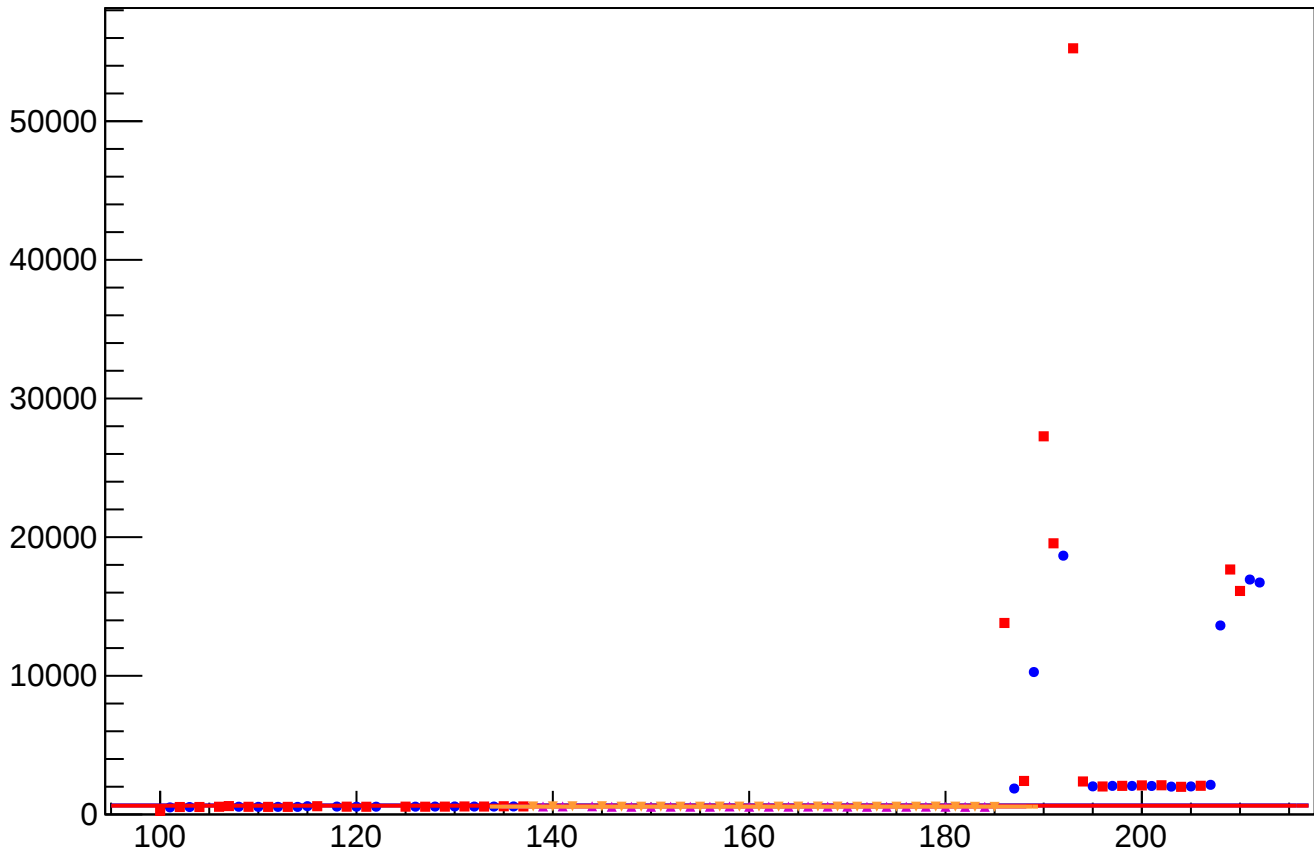
Left In: -958.517 $\pm$ 134.824 χ^2 /NDF:26.8/22

+ sign 815.566 $\pm$ 112.884 χ^2 /NDF: 45.3/52

All: -85.205 $\pm$ 79.597 χ^2 /NDF: 218.9/107

- sign -975.932 $\pm$ 112.253 χ^2 /NDF: 46.9/54

reg_asym_left_dd_rms vs Slug



Right In: 653.587+/-0.148 χ^2/NDF : 9707572.5/28

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

Right Out: 632.201+/-0.143 χ^2/NDF : 9449688.5/31

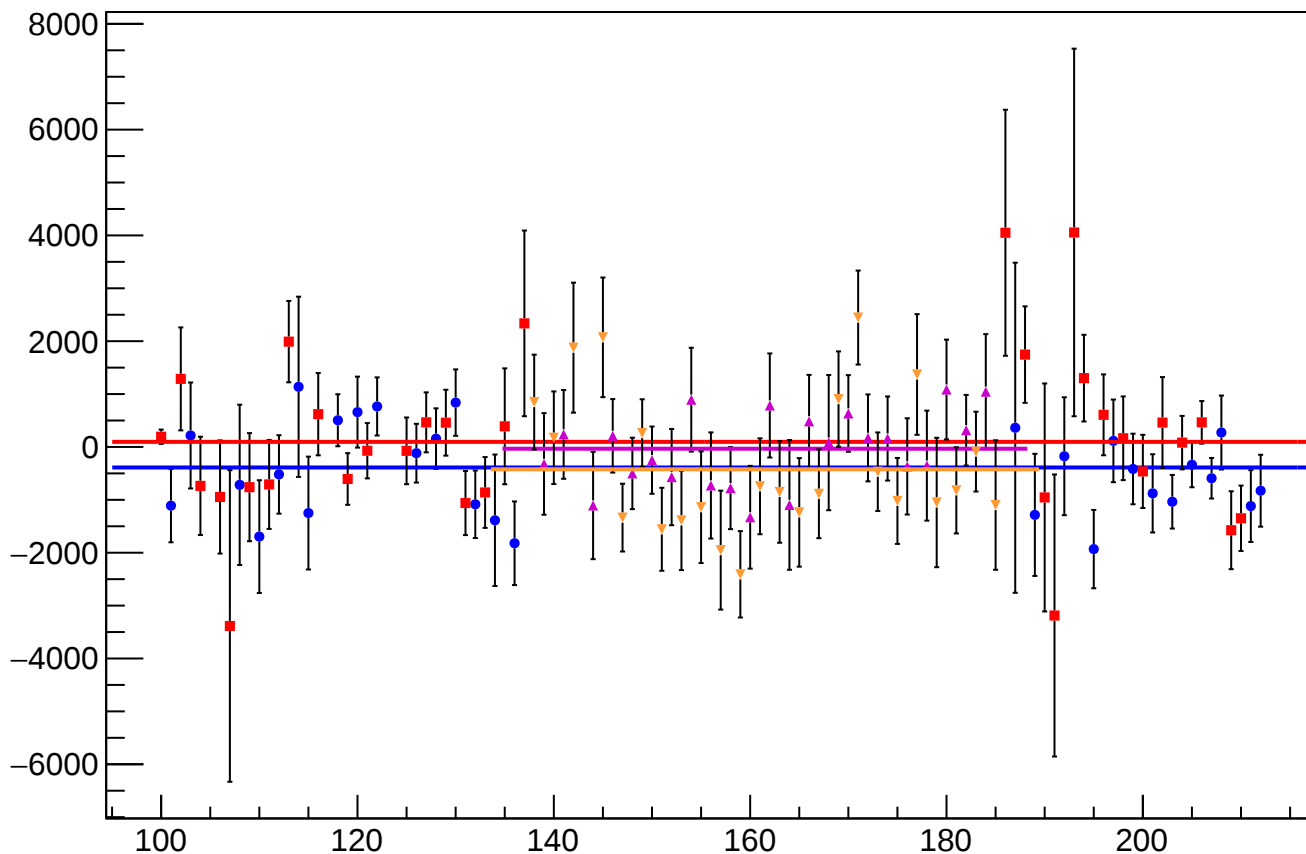
Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

+ sign 589.724+/-0.080 χ^2/NDF : 9978216.1/52

All: 587.287+/-0.056 χ^2/NDF : 19596278.8/10

- sign 584.878+/-0.079 χ^2/NDF : 9616210.0/54

asym_left_dd_correction_mean vs Slug



Right In: -388.179 ± 126.569 χ^2/NDF : 35.0/28

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

Right Out: 96.530 ± 95.094 χ^2/NDF : 47.8/31

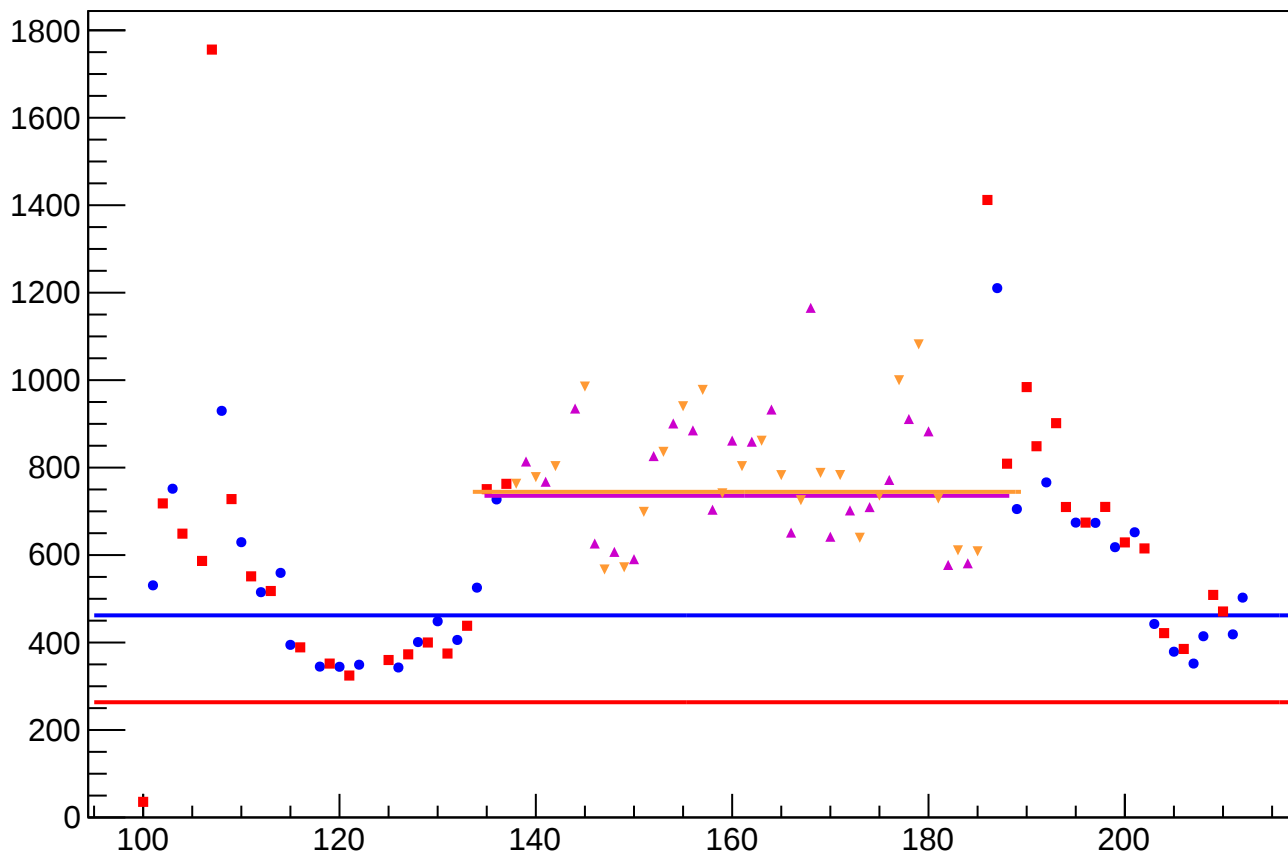
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -399.431 ± 103.636 χ^2/NDF : 78.3/52

All: -117.348 ± 65.264 χ^2/NDF : 150.9/107

- sign 68.036 ± 84.016 χ^2/NDF : 60.3/54

asym_left_dd_correction_rms vs Slug



Right In: 462.107+/-0.089 χ^2/NDF : 2245668.3/28

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

Right Out: 263.463+/-0.067 χ^2/NDF : 14280448.8/31

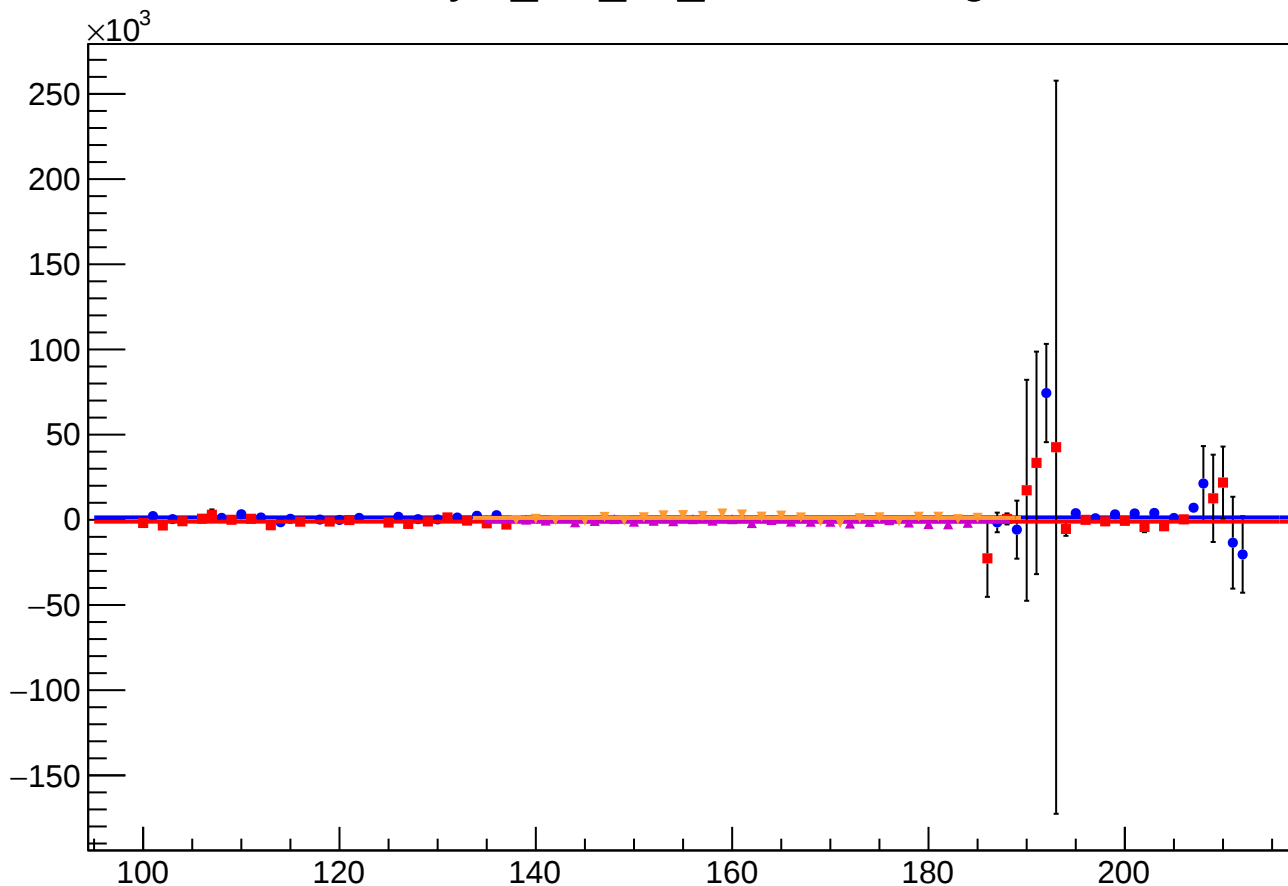
Left In: 735.543+/-0.127 χ^2/NDF : 1105222.3/22

+ sign 555.200+/-0.073 χ^2/NDF : 6538499.8/52

All: 441.665+/-0.046 χ^2/NDF : 36717442.9/10

- sign 367.050+/-0.059 χ^2/NDF : 26201156.6/54

asym_left_dd_mean vs Slug



Right In: 1407.555 $\pm$ 280.495 χ^2 /NDF: 31.0/28

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

Right Out: -1070.316 $\pm$ 269.476 χ^2 /NDF: 29.5/31

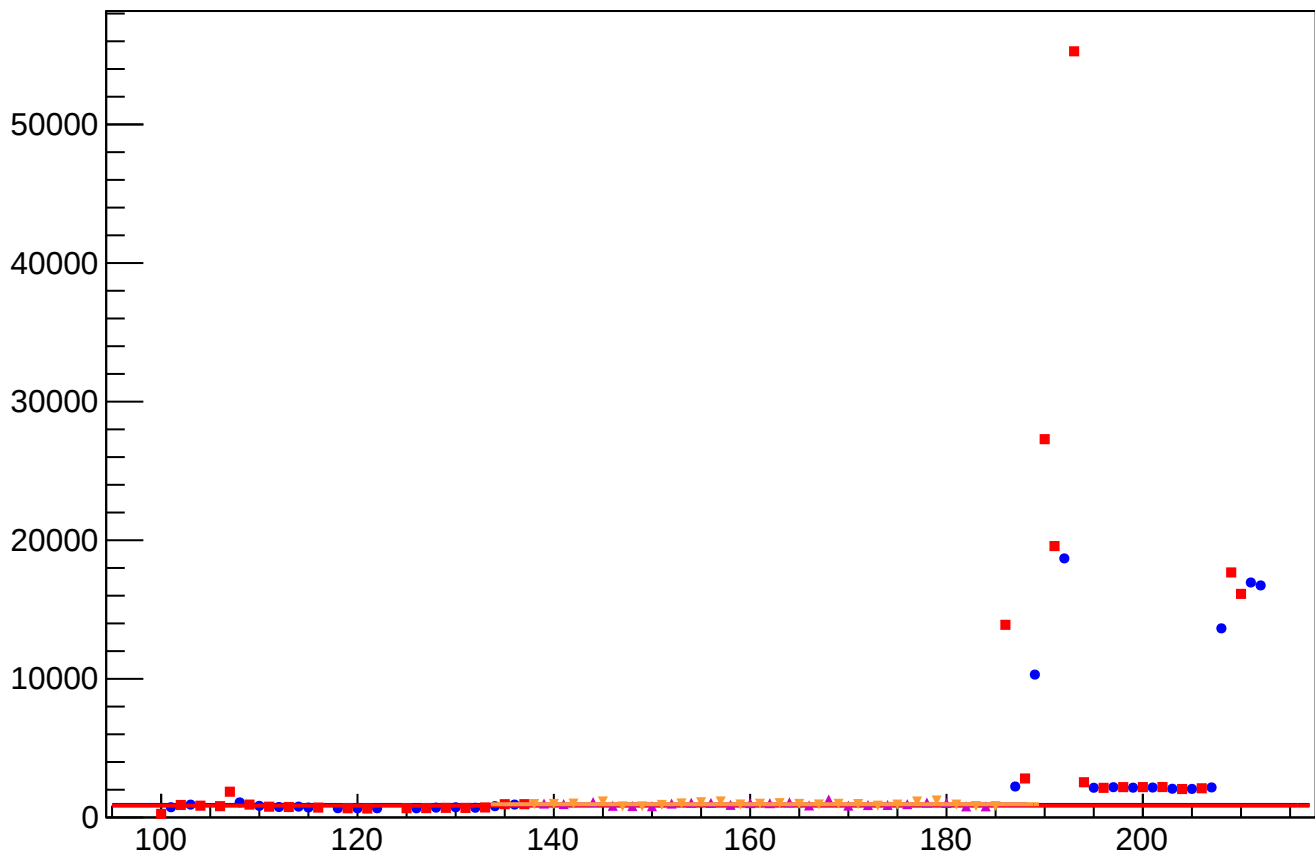
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1225.904 $\pm$ 177.250 χ^2 /NDF: 69.9/52

All: 100.188 $\pm$ 124.223 χ^2 /NDF: 193.9/107

- sign -986.433 $\pm$ 174.145 χ^2 /NDF: 44.8/54

asym_left_dd_rms vs Slug



Right In: 902.829+/-0.198 χ^2/NDF : 8396938.6/28

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

Right Out: 850.457+/-0.191 χ^2/NDF : 9042015.9/31

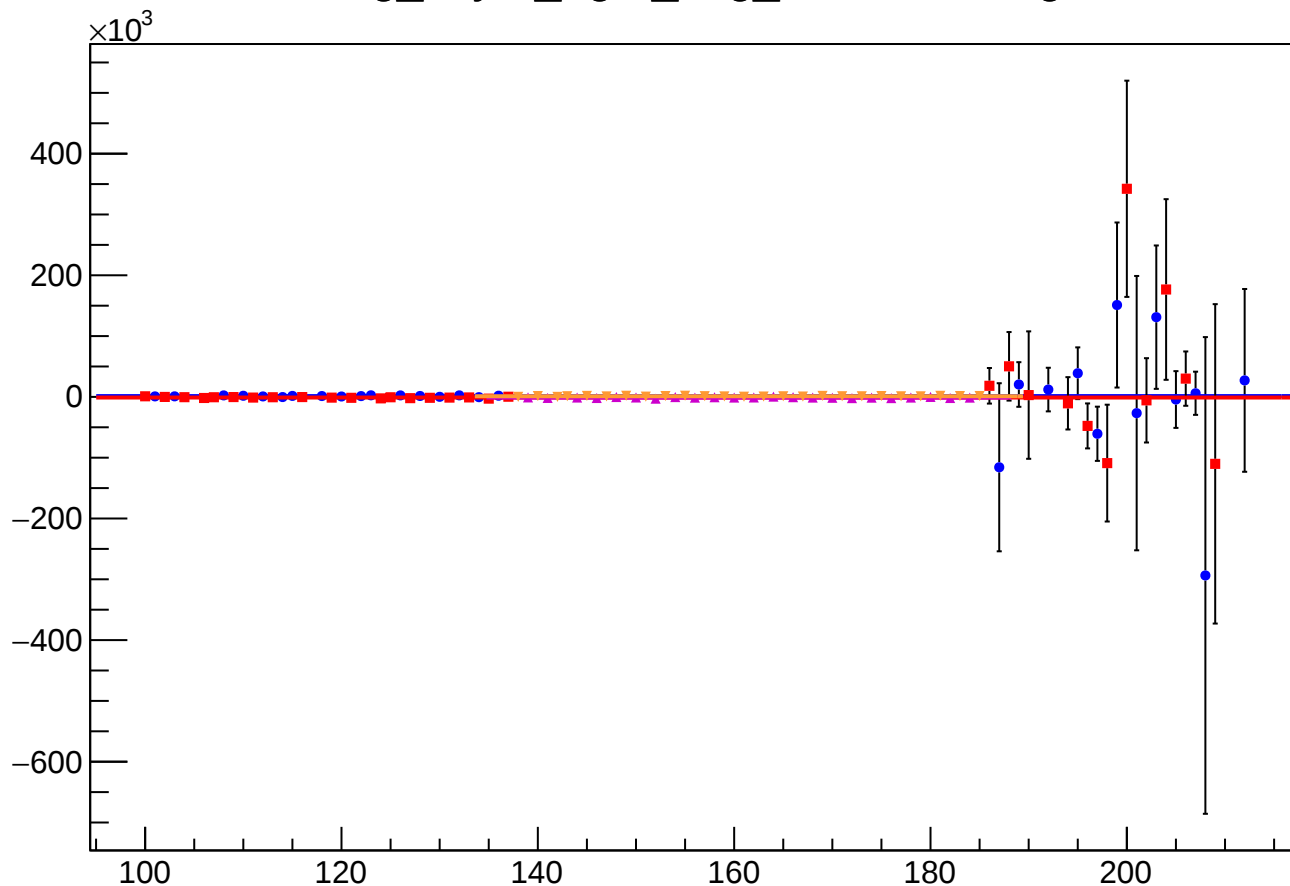
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 933.435+/-0.125 χ^2/NDF : 8896790.4/52

All: 919.538+/-0.088 χ^2/NDF : 18610952.2/10

- sign 906.123+/-0.123 χ^2/NDF : 9690000.0/54

reg_asym_right_avg_mean vs Slug



Right In: 1325.156+/-218.579 χ^2/NDF : 19.7/28

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

Right Out: -1039.600+/-212.062 χ^2/NDF : 23.5/29

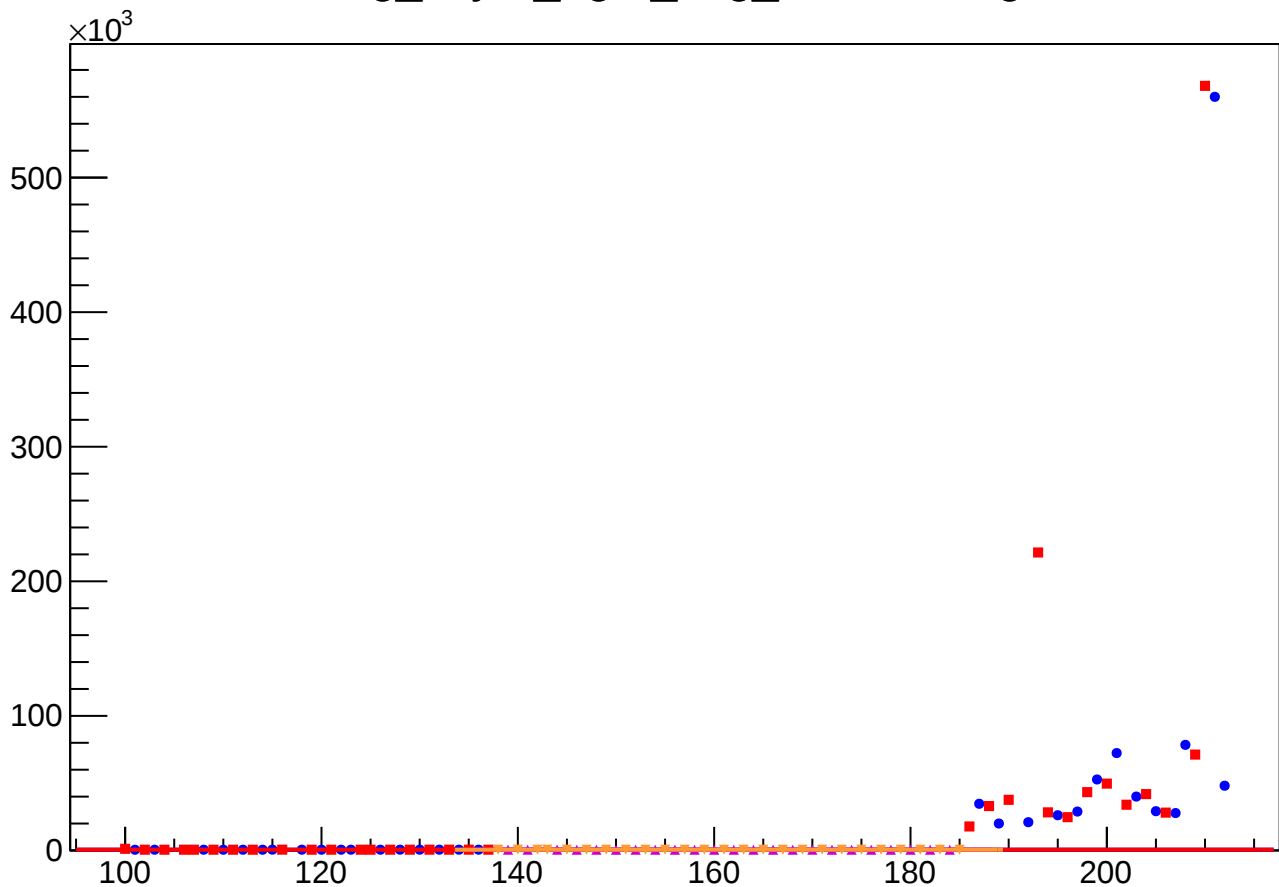
Left In: -1123.857+/-133.163 χ^2/NDF : 30.0/22

+ sign 1139.119+/-111.535 χ^2/NDF : 35.8/53

All: 31.901+/-79.301 χ^2/NDF : 288.7/106

- sign -1100.029+/-112.773 χ^2/NDF : 53.6/52

reg_asym_right_avg_rms vs Slug



Right In: 568.631 $\pm$ 0.155 χ^2 /NDF: 6063366.0/29

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

Right Out: 569.748 $\pm$ 0.150 χ^2 /NDF: 5729537.3/31

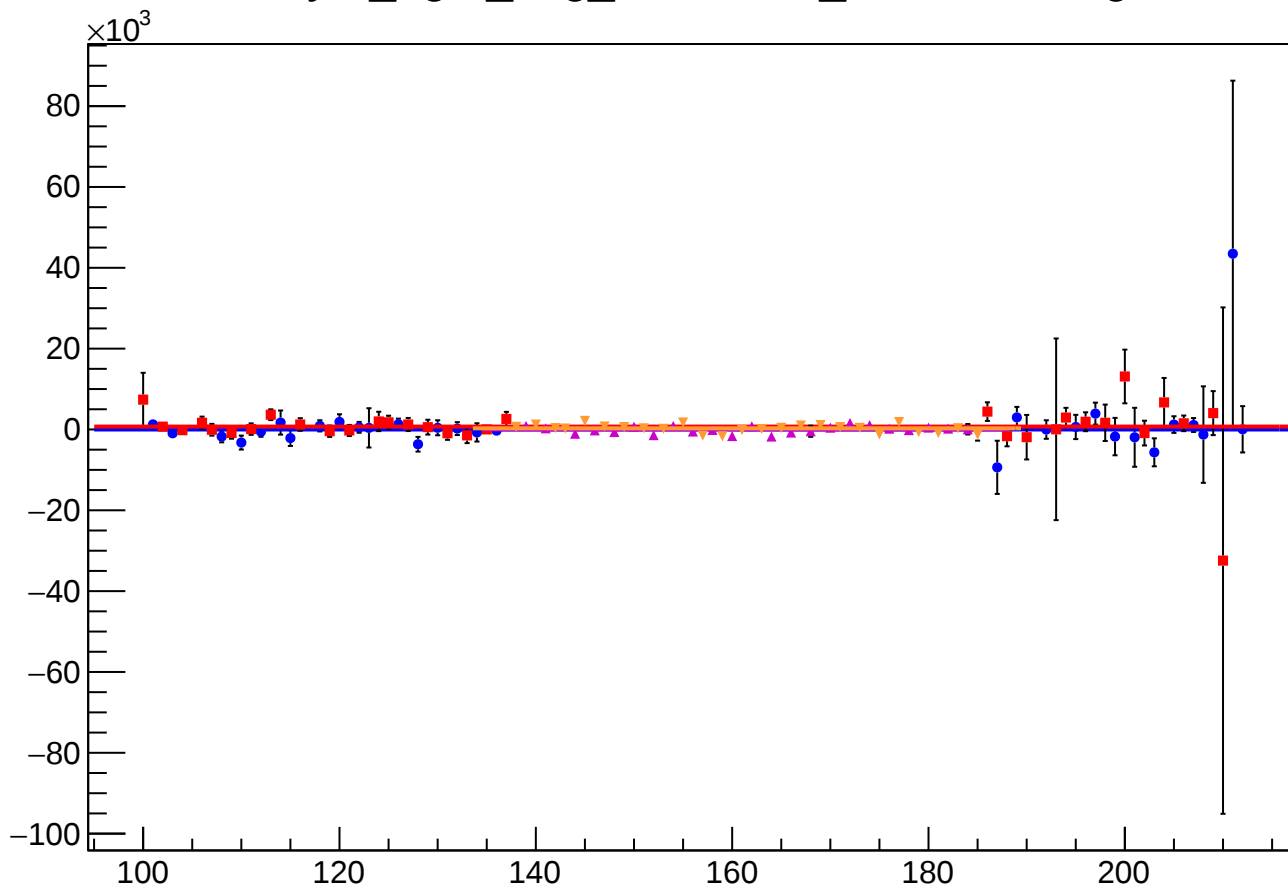
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 560.424 $\pm$ 0.079 χ^2 /NDF: 6081931.3/54

All: 560.502 $\pm$ 0.056 χ^2 /NDF: 11827889.0/10

- sign 560.583 $\pm$ 0.080 χ^2 /NDF: 5745955.6/54

asym_right_avg_correction_mean vs Slug



Right In: -6.028 ± 306.433 χ^2/NDF : 27.3/29

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

Right Out: 713.197 ± 312.116 χ^2/NDF : 25.2/31

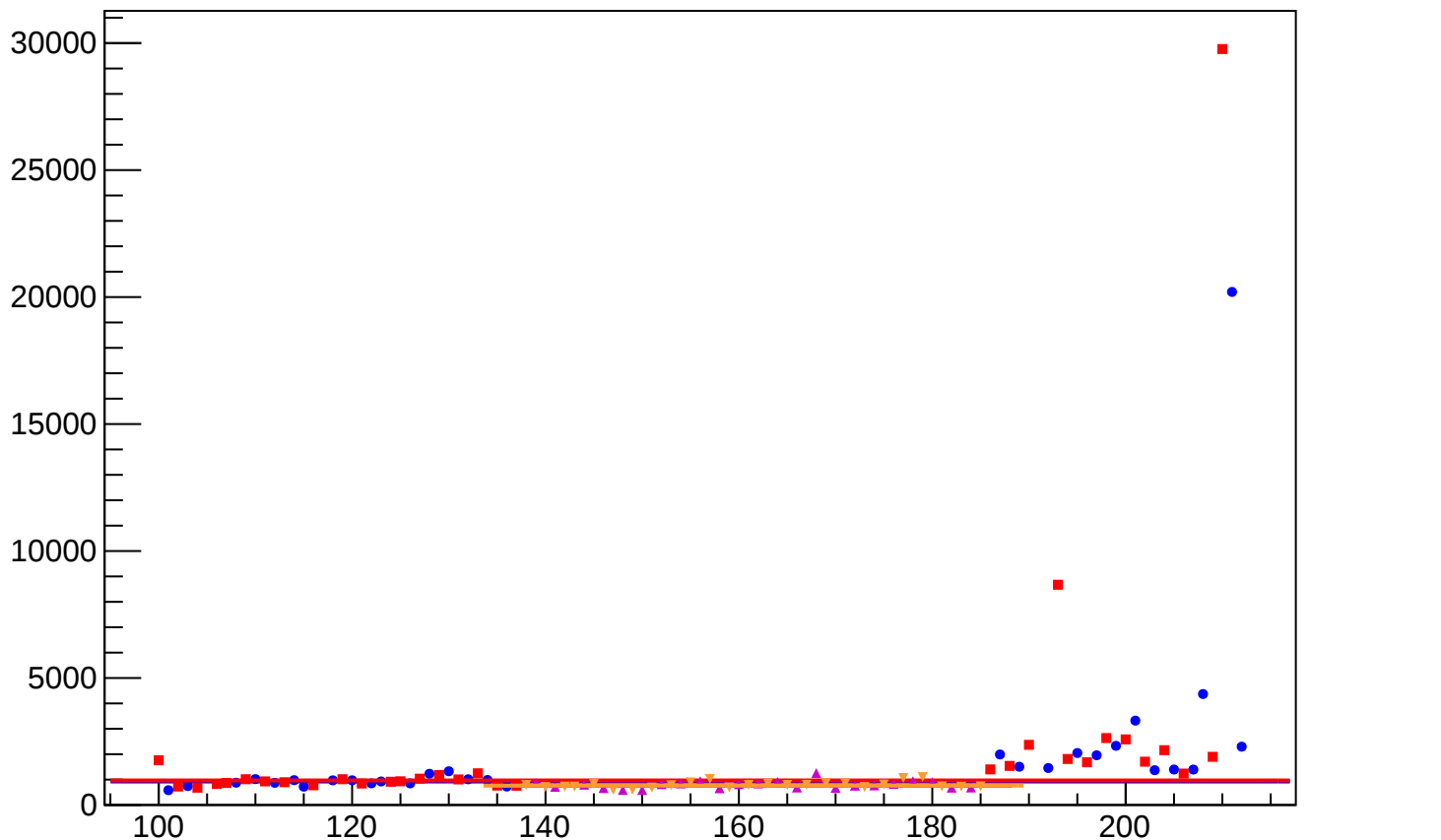
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 207.761 ± 155.476 χ^2/NDF : 54.7/54

All: 198.600 ± 110.858 χ^2/NDF : 103.9/109

- sign 189.125 ± 158.111 χ^2/NDF : 49.2/54

asym_right_avg_correction_rms vs Slug



Right In: 927.058 $\pm$ 0.217 χ^2 /NDF: 3015029.7/29

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

Right Out: 966.345 $\pm$ 0.221 χ^2 /NDF: 2688598.1/31

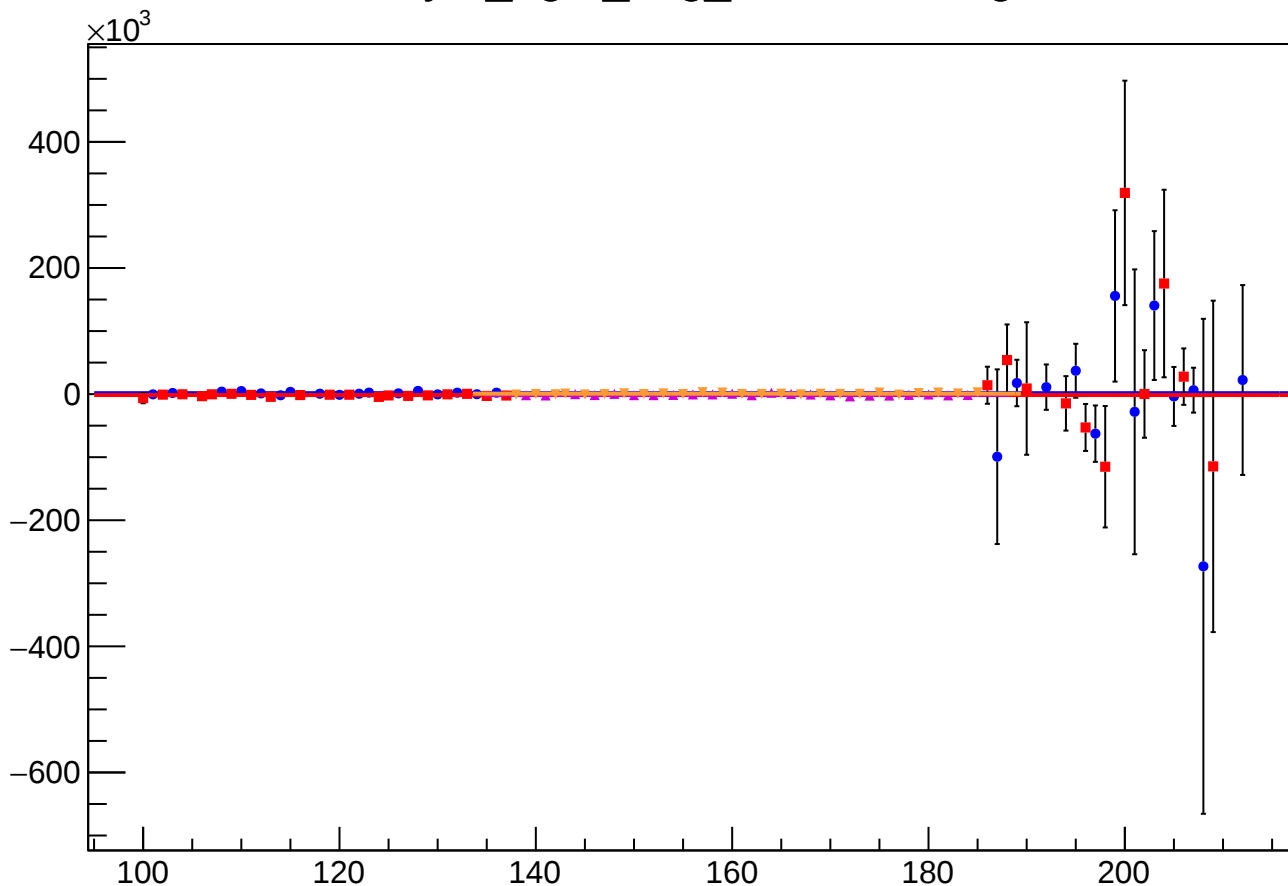
Left In: 754.099 $\pm$ 0.130 χ^2 /NDF: 931829.3/22

+ sign 805.296 $\pm$ 0.110 χ^2 /NDF: 4193981.3/54

All: 806.904 $\pm$ 0.078 χ^2 /NDF: 8502378.2/109

- sign 808.566 $\pm$ 0.112 χ^2 /NDF: 4307962.0/54

asym_right_avg_mean vs Slug



Right In: 1501.155 ± 402.535 χ^2/NDF : 23.9/28

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

Right Out: -1485.919 ± 400.598 χ^2/NDF : 21.9/29

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

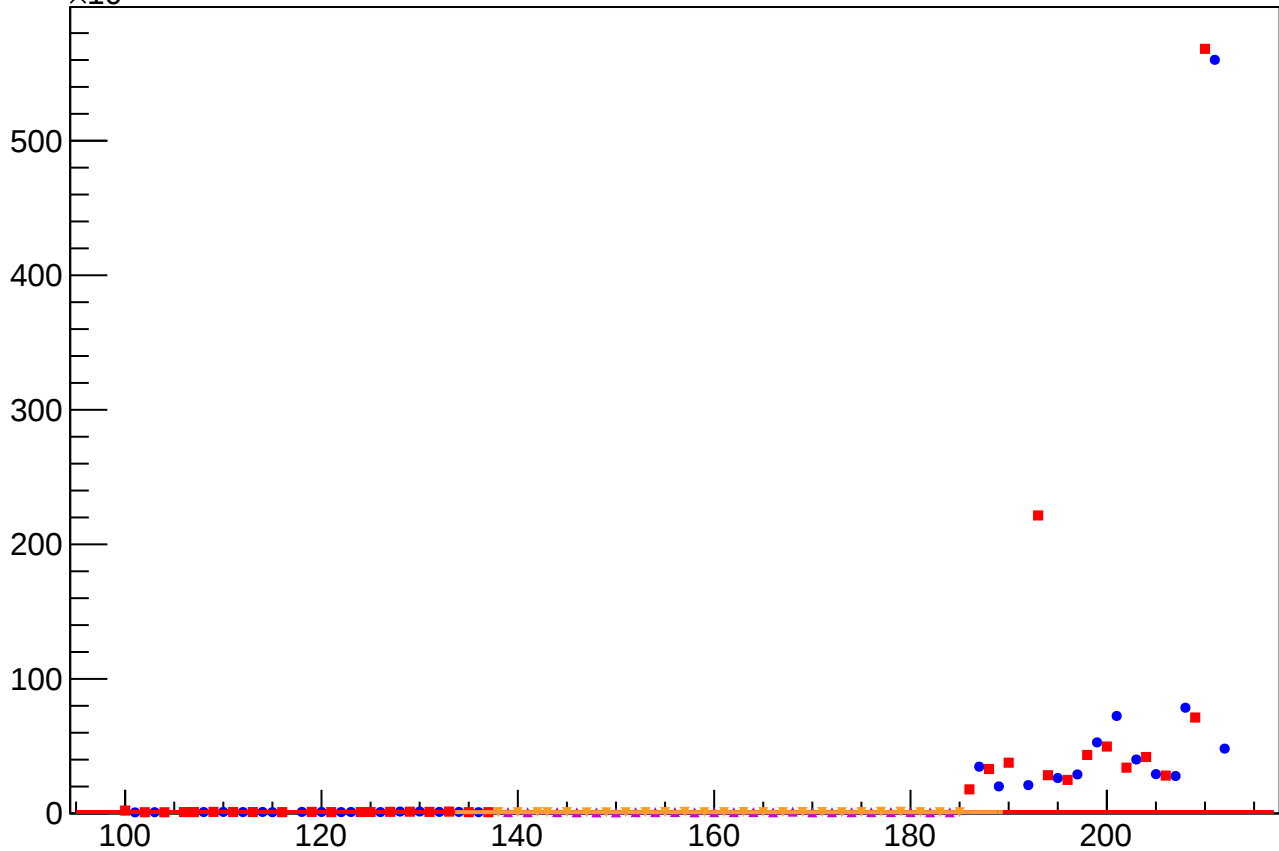
+ sign 921.582 ± 196.756 χ^2/NDF : 48.1/53

All: -131.500 ± 140.089 χ^2/NDF : 154.2/106

- sign -1214.205 ± 199.505 χ^2/NDF : 47.9/52

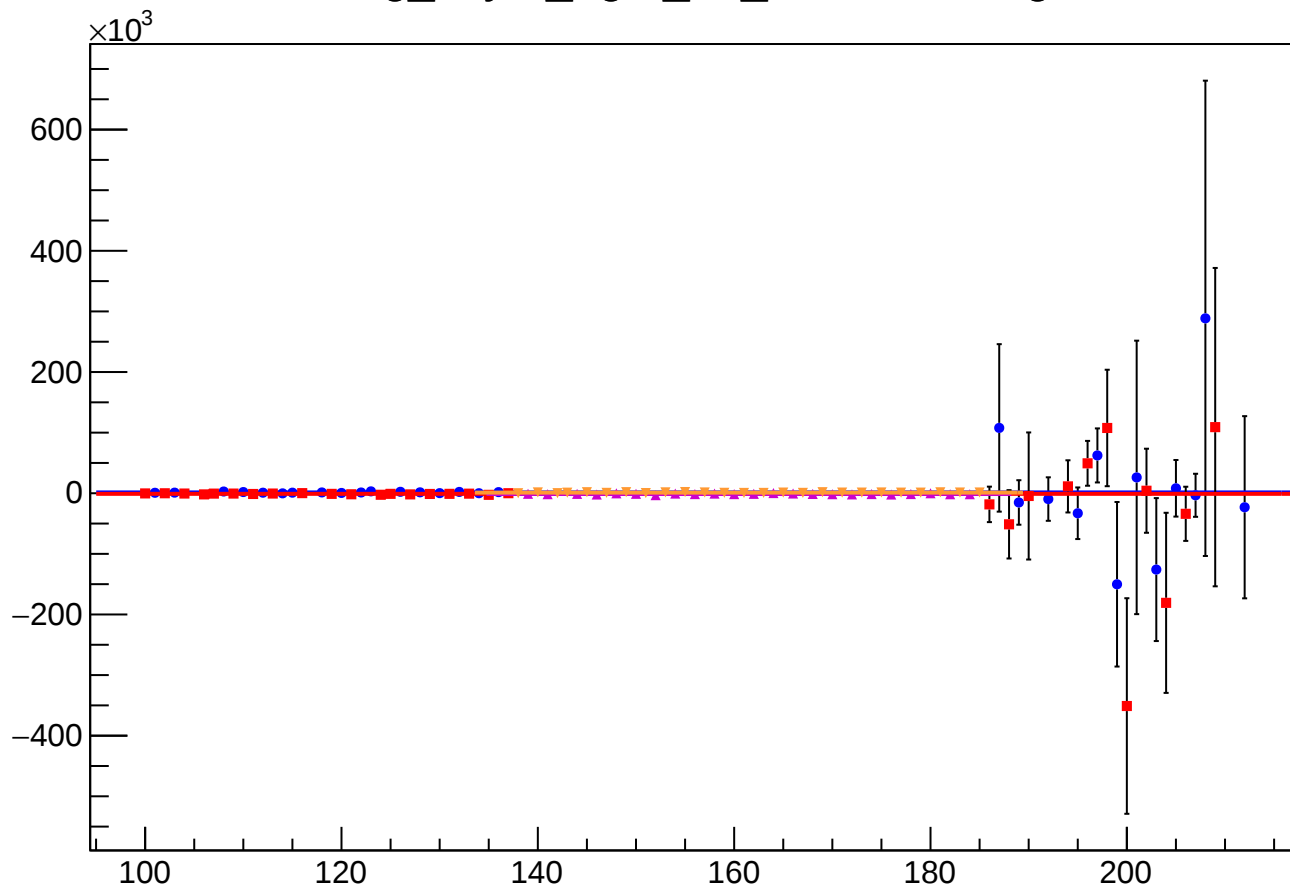
asym_right_avg_rms vs Slug

$\times 10^3$



Right In: 1038.995 $\pm$ 0.285 χ^2 /NDF: 6194919.5/29 + sign 980.590 $\pm$ 0.139 χ^2 /NDF: 6613178.9/54
 Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF:362937.6/24 All: 982.312 $\pm$ 0.099 χ^2 /NDF: 12914757.2/10
 Right Out: 1073.336 $\pm$ 0.283 χ^2 /NDF: 5725844.0/31 - sign 984.082 $\pm$ 0.141 χ^2 /NDF: 6301267.7/54
 Left In: 954.643 $\pm$ 0.163 χ^2 /NDF:443395.0/22

reg_asym_right_dd_mean vs Slug



Right In: 1344.436 $\pm$ 218.833 χ^2 /NDF: 18.4/28

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

Right Out: -966.061 $\pm$ 208.597 χ^2 /NDF: 22.6/29

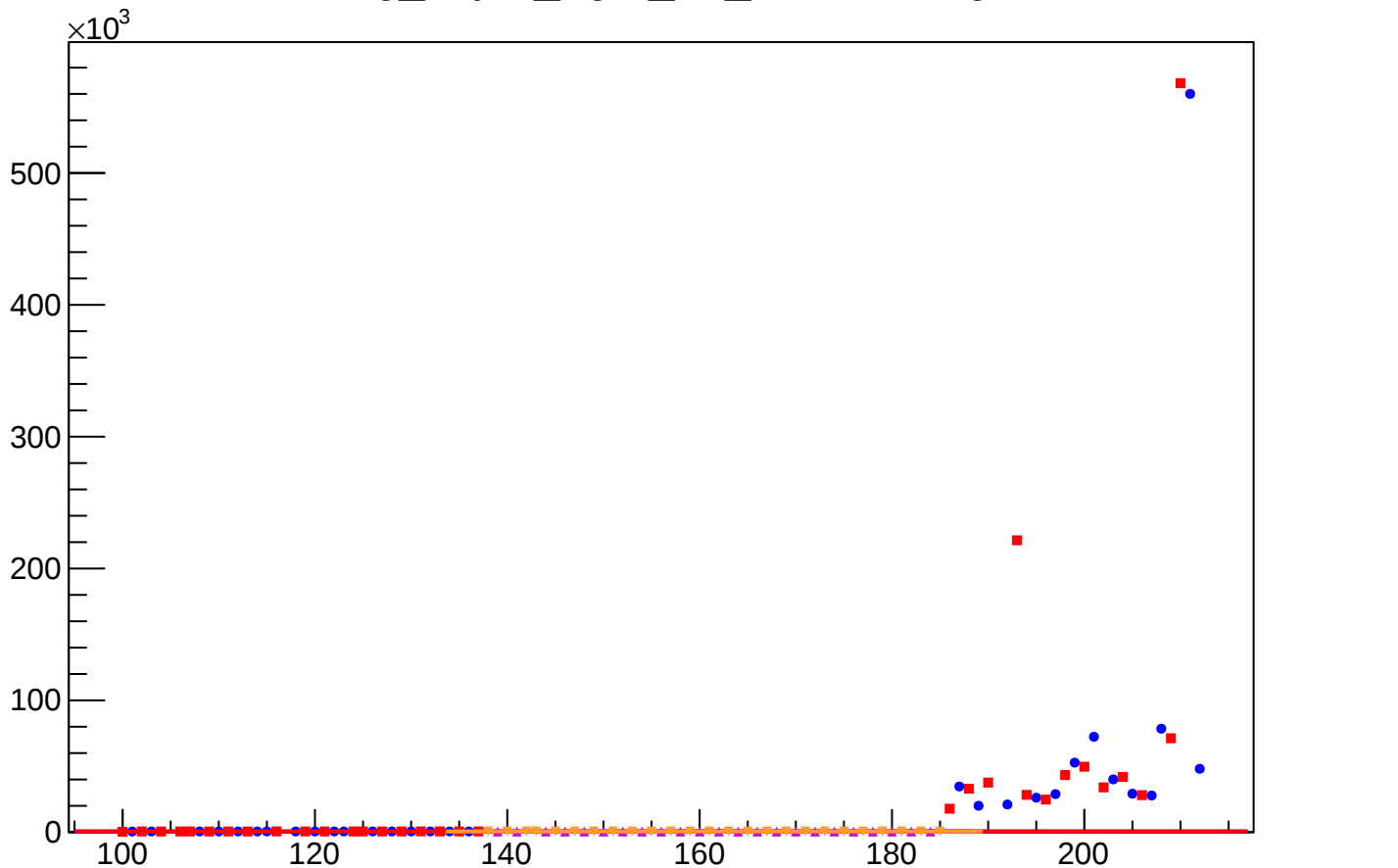
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.480 $\pm$ 111.652 χ^2 /NDF: 34.4/53

All: 21.812 $\pm$ 79.189 χ^2 /NDF: 297.1/106

- sign -1124.690 $\pm$ 112.332 χ^2 /NDF: 55.6/52

reg_asym_right_dd_rms vs Slug



Right In: 569.294 $\pm$ 0.155 χ^2/NDF : 6063552.4/29

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

Right Out: 558.741 $\pm$ 0.148 χ^2/NDF : 5817253.1/31

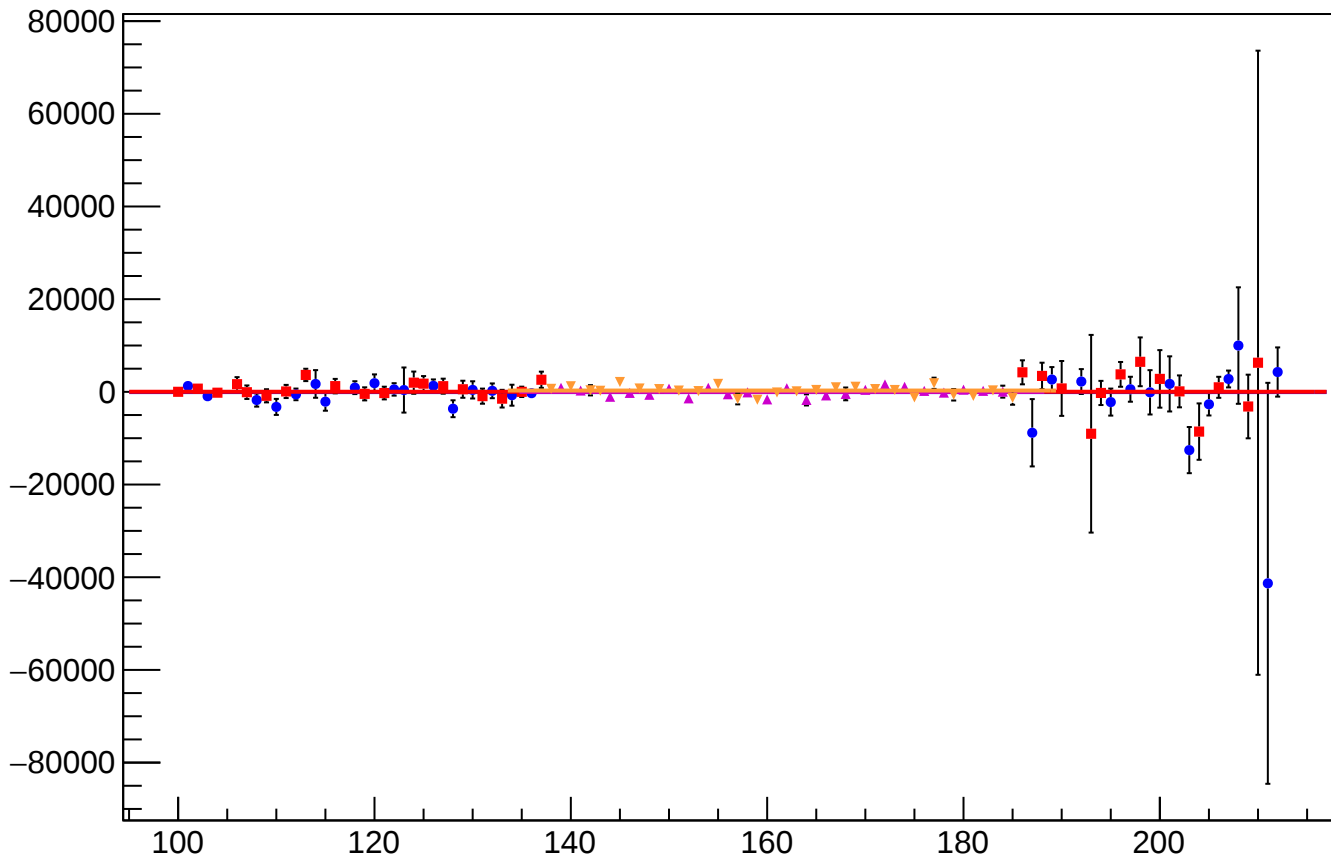
Left In: 557.597 $\pm$ 0.094 χ^2/NDF : 11276.8/22

+ sign 561.013 $\pm$ 0.079 χ^2/NDF : 6082209.5/54

All: 559.480 $\pm$ 0.056 χ^2/NDF : 11911540.9/10

- sign 557.928 $\pm$ 0.079 χ^2/NDF : 5828572.6/54

asym_right_dd_correction_mean vs Slug



Right In: -48.752 $\pm$ 309.269 χ^2/NDF : 33.1/29

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

Right Out: 22.705 $\pm$ 38.926 χ^2/NDF : 26.2/31

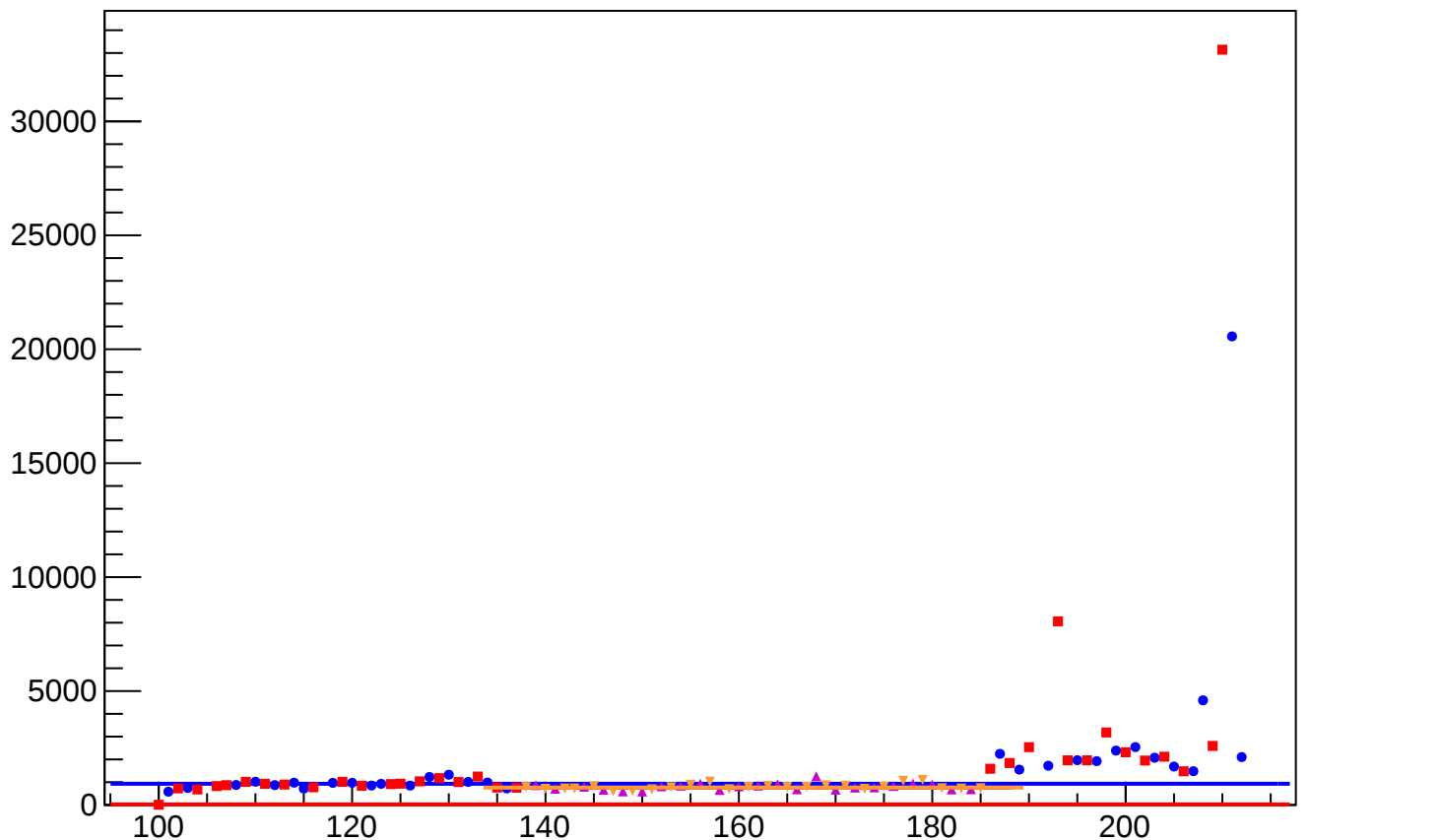
Left In: 7.306 $\pm$ 183.473 χ^2/NDF : 20.1/22

+ sign 197.531 $\pm$ 155.878 χ^2/NDF : 60.7/54

All: 31.925 $\pm$ 36.991 χ^2/NDF : 108.3/109

- sign 22.042 $\pm$ 38.079 χ^2/NDF : 46.3/54

asym_right_dd_correction_rms vs Slug



Right In: 931.522 ± 0.219 χ^2/NDF : 3204141.5/29

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

Right Out: 24.562 ± 0.028 χ^2/NDF : 21313163.7/31

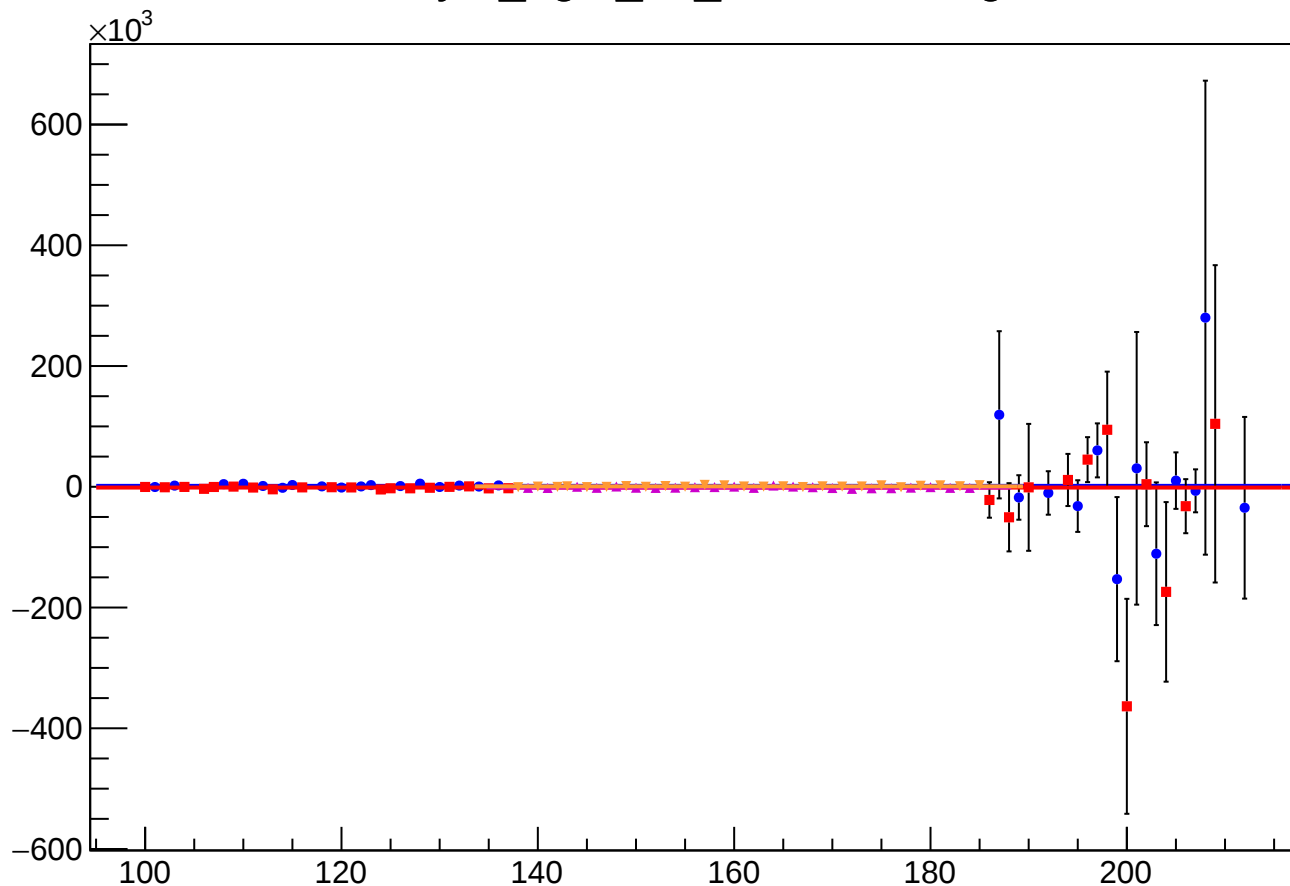
Left In: 754.483 ± 0.130 χ^2/NDF : 931536.8/22

+ sign 806.039 ± 0.110 χ^2/NDF : 4399245.2/54

All: 98.241 ± 0.026 χ^2/NDF : 100632411.1/10

- sign 56.003 ± 0.027 χ^2/NDF : 52535772.9/54

asym_right_dd_mean vs Slug



Right In: 1515.566 $\pm$ 402.758 χ^2 /NDF: 24.1/28

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

Right Out: -1290.480 $\pm$ 376.580 χ^2 /NDF: 22.4/29

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

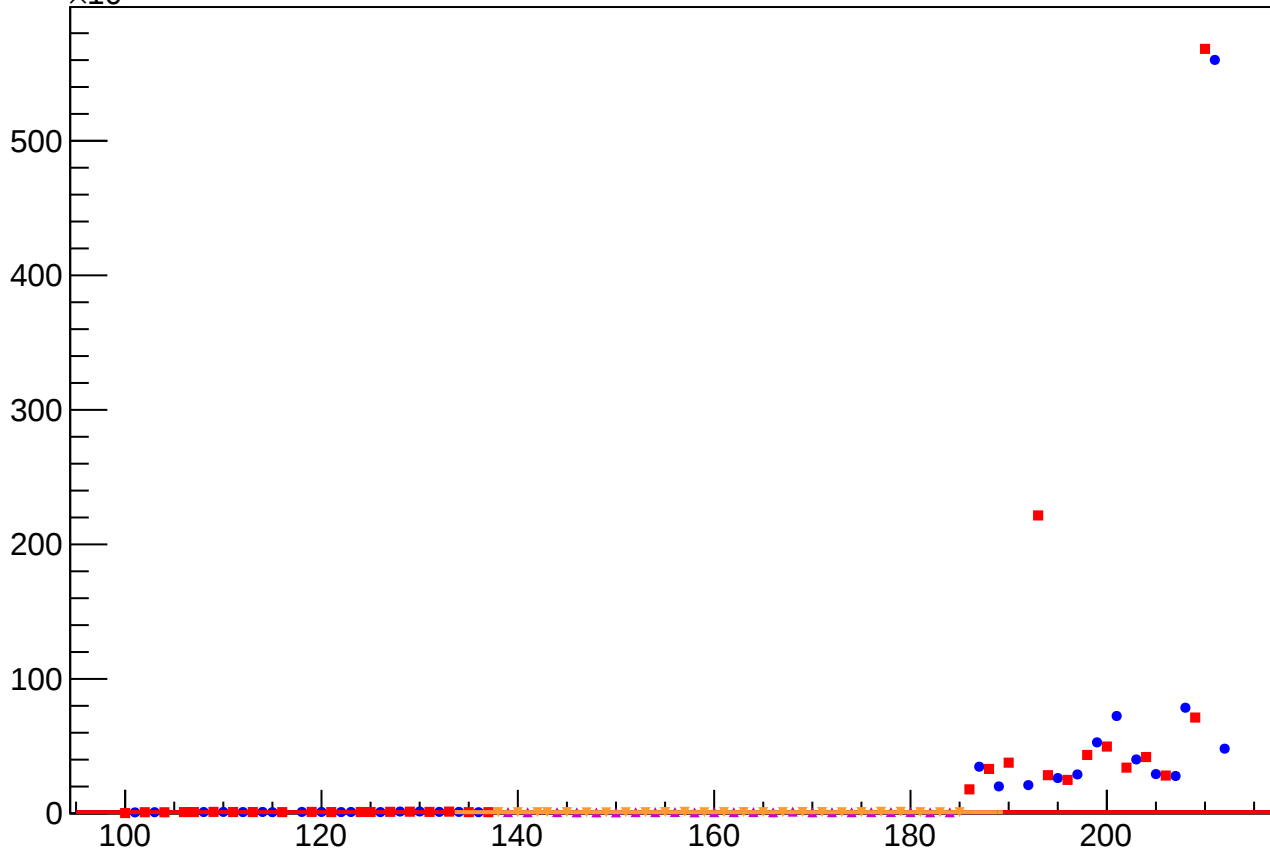
+ sign 927.445 $\pm$ 196.864 χ^2 /NDF: 47.2/53

All: -142.326 $\pm$ 139.049 χ^2 /NDF: 152.7/106

- sign -1207.357 $\pm$ 196.427 χ^2 /NDF: 46.6/52

asym_right_dd_rms vs Slug

$\times 10^3$



Right In: 1039.578 $\pm$ 0.285 χ^2 /NDF: 6195587.9/29

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

Right Out: 977.833 $\pm$ 0.266 χ^2 /NDF: 6598613.3/31

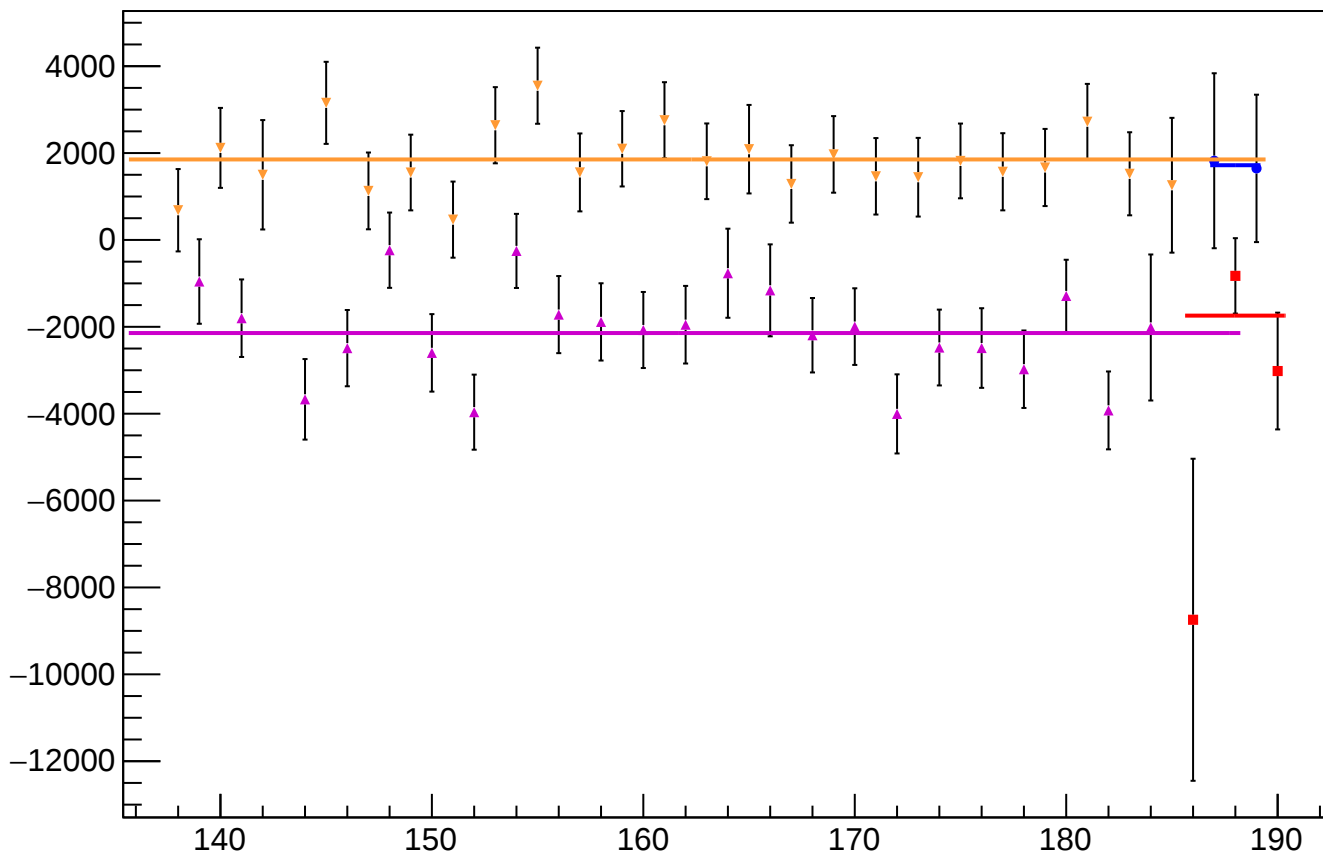
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF: 443068.5/22

+ sign 981.126 $\pm$ 0.139 χ^2 /NDF: 6613776.1/54

All: 971.267 $\pm$ 0.098 χ^2 /NDF: 13670664.6/10

- sign 961.453 $\pm$ 0.139 χ^2 /NDF: 7046880.0/54

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

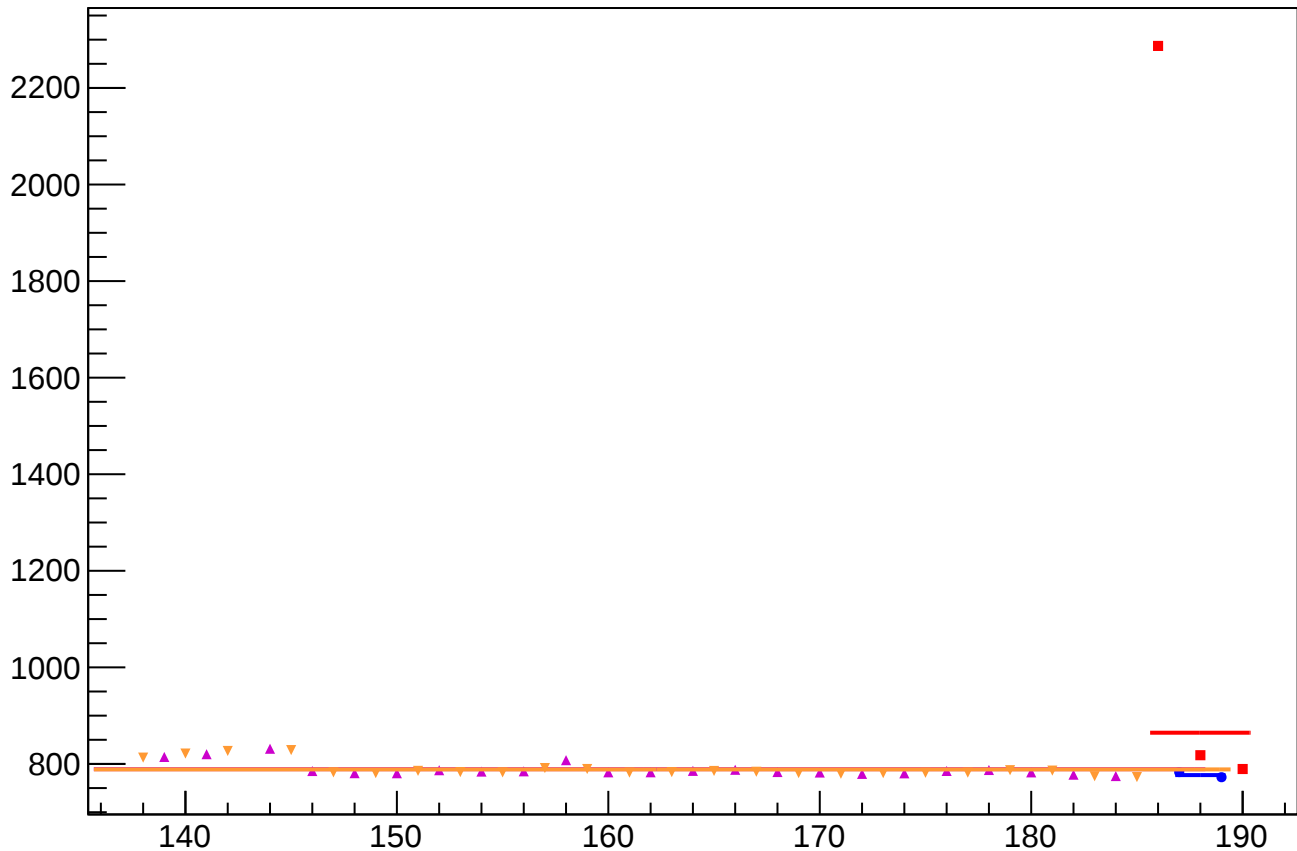
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ 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

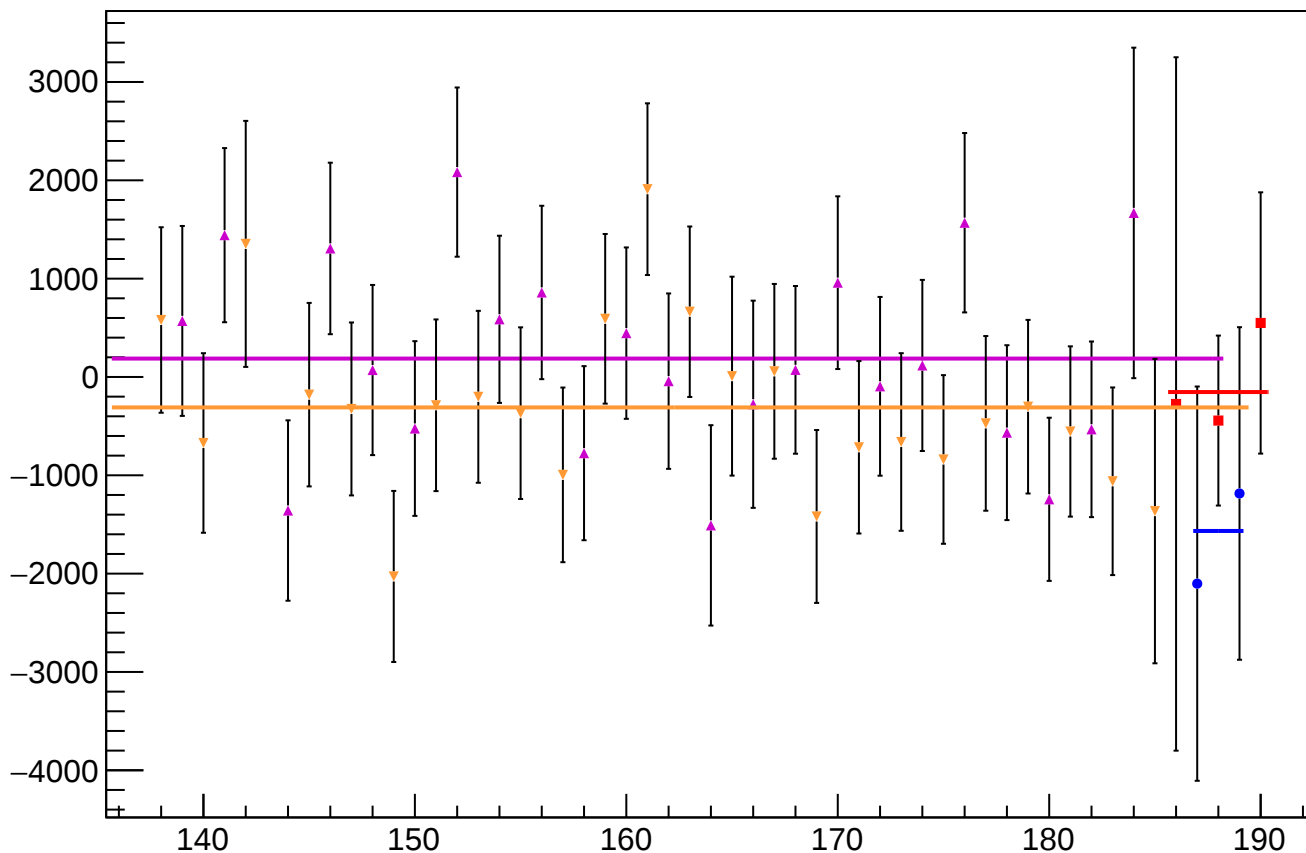
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

+ 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

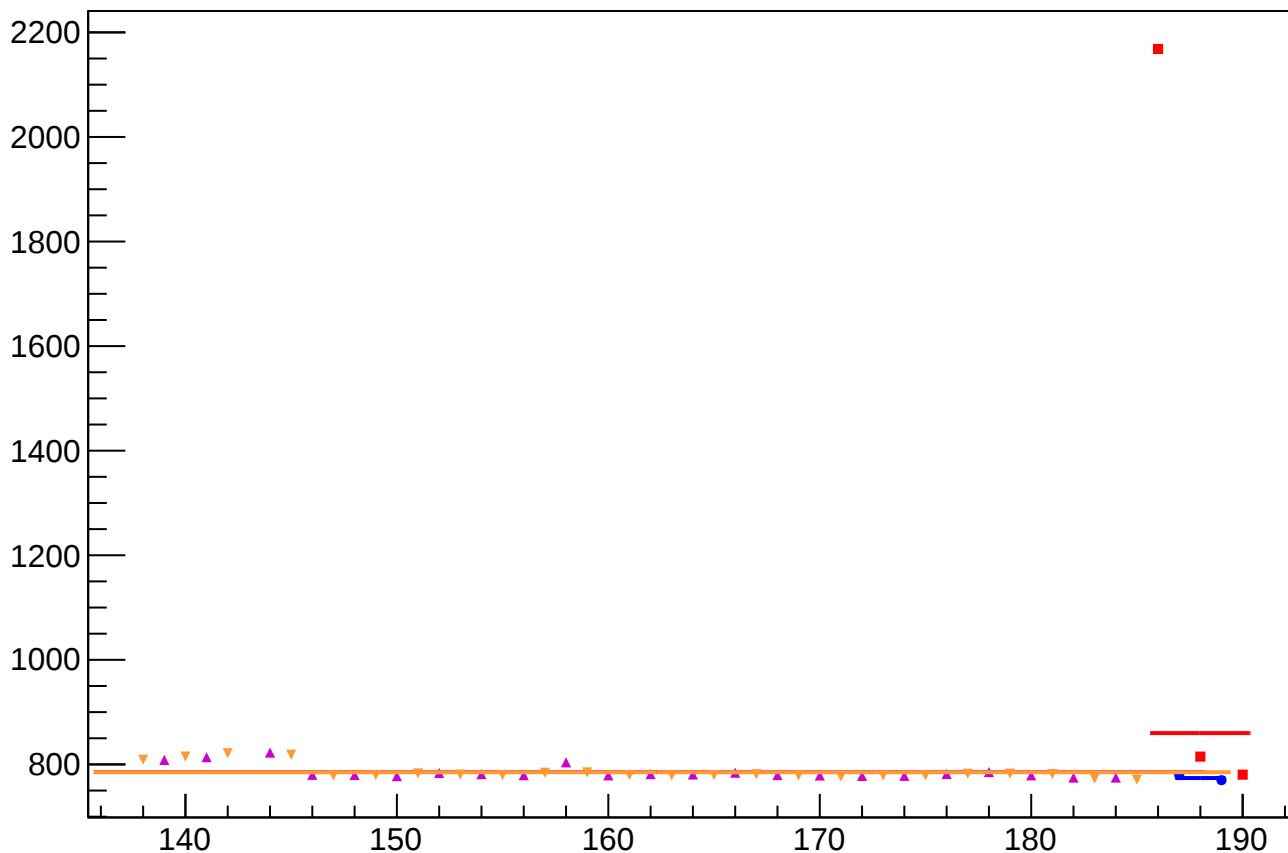
Left In: 187.105 $\pm$ 189.265 χ^2 /NDF: 25.6/22

+ 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 $\pm$ 0.914 χ^2 /NDF: 27.7/1

Left Out: 785.050 $\pm$ 0.132 χ^2 /NDF: 9365.3/23

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

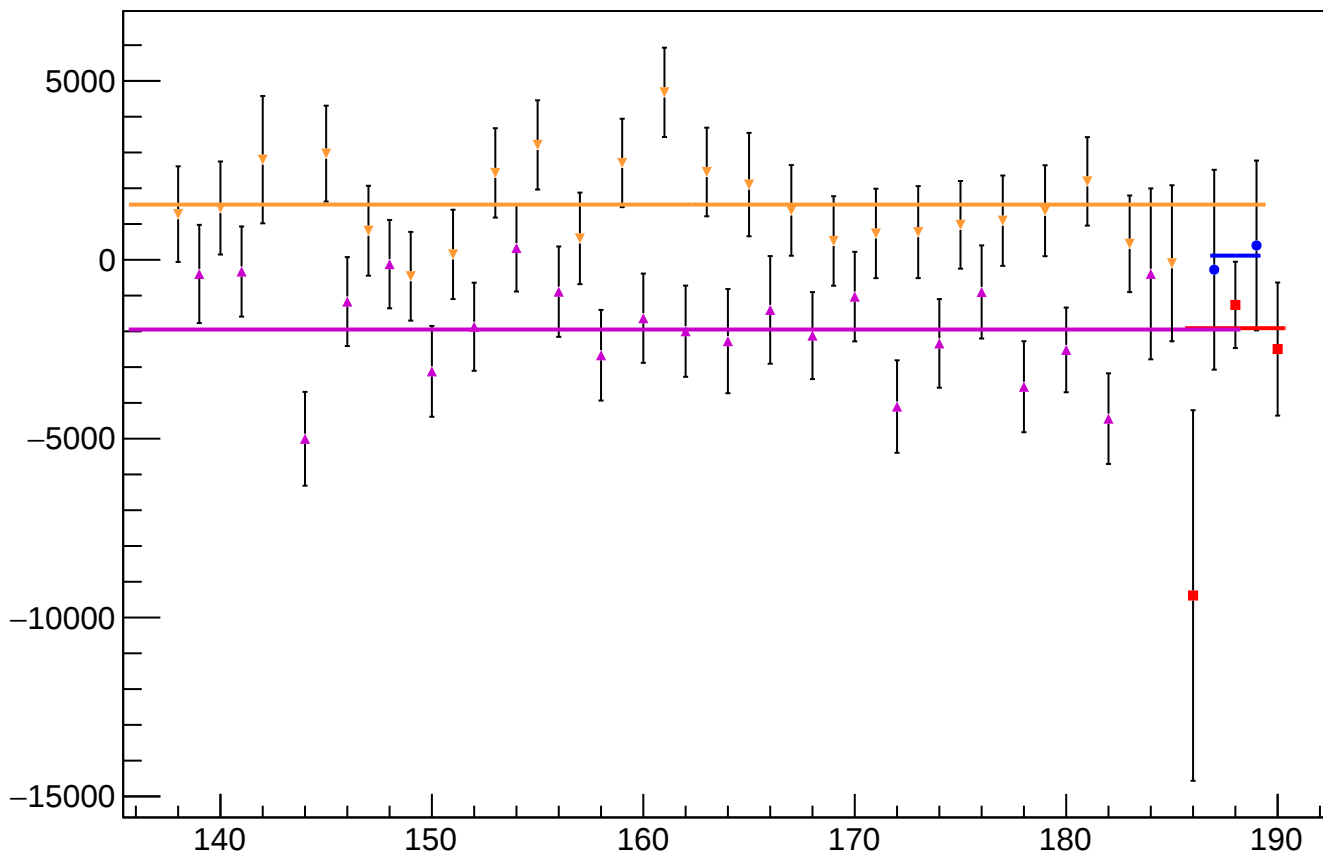
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

+ sign 784.823 $\pm$ 0.131 χ^2 /NDF: 9538.2/25

All: 787.688 $\pm$ 0.092 χ^2 /NDF: 327963.5/51

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

cor_asym_usl_mean vs Slug



Right In: 116.401 $\pm$ 1808.672 χ^2 /NDF: 0.0/1

Left Out: 1543.729 $\pm$ 266.278 χ^2 /NDF:19.9/23

Right Out: -1911.693 $\pm$ 993.236 χ^2 /NDF: 2.5/2

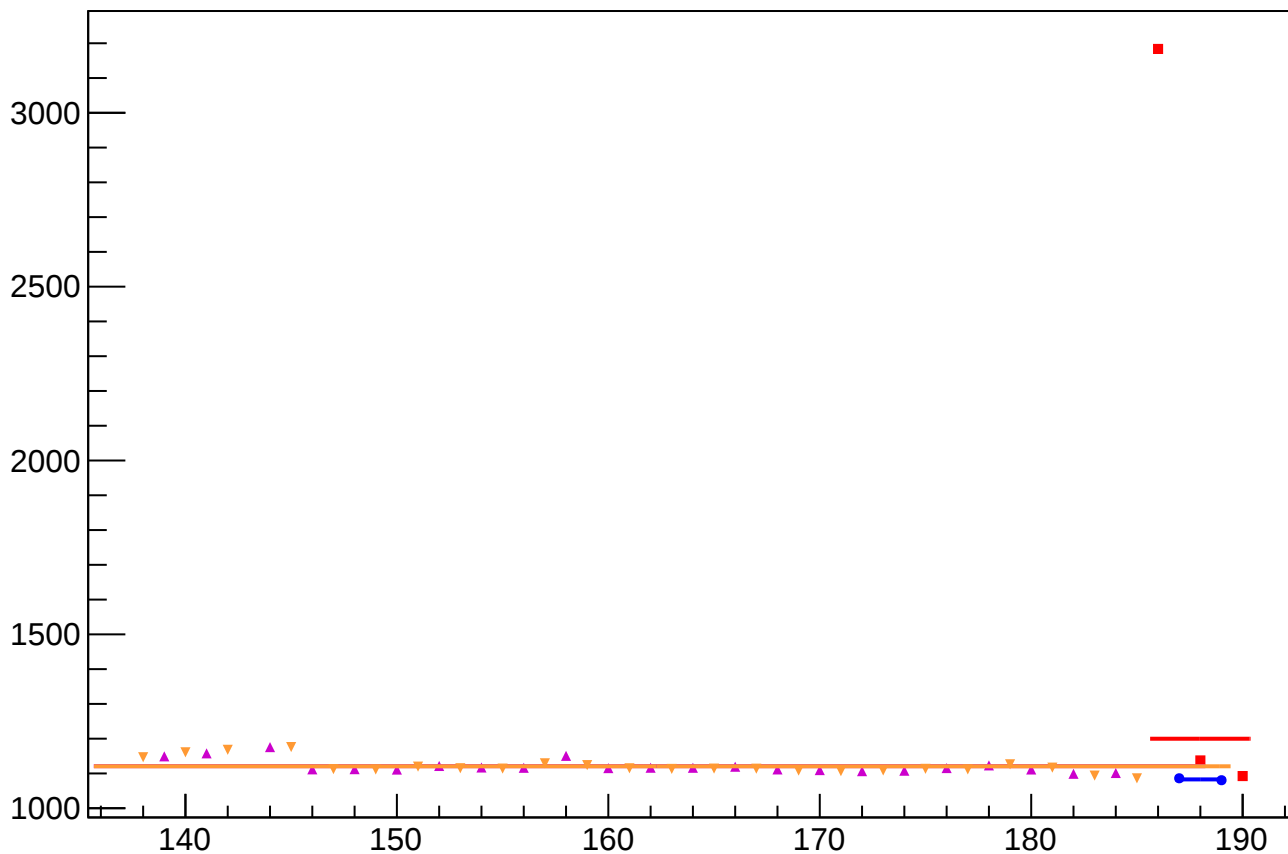
Left In: -1949.077 $\pm$ 270.080 χ^2 /NDF:26.8/22

+ sign 1513.448 $\pm$ 263.439 χ^2 /NDF: 20.6/25

All: -235.158 $\pm$ 185.274 χ^2 /NDF: 137.0/51

- sign -1946.503 $\pm$ 260.617 χ^2 /NDF: 29.2/25

cor_asym_usl_rms vs Slug



Right In: 1082.866+/-1.279 χ^2/NDF : 4.6/1

Left Out: 1120.578+/-0.188 χ^2/NDF : 10264.0/23

Right Out: 1199.844+/-0.702 χ^2/NDF : 305356.1/2

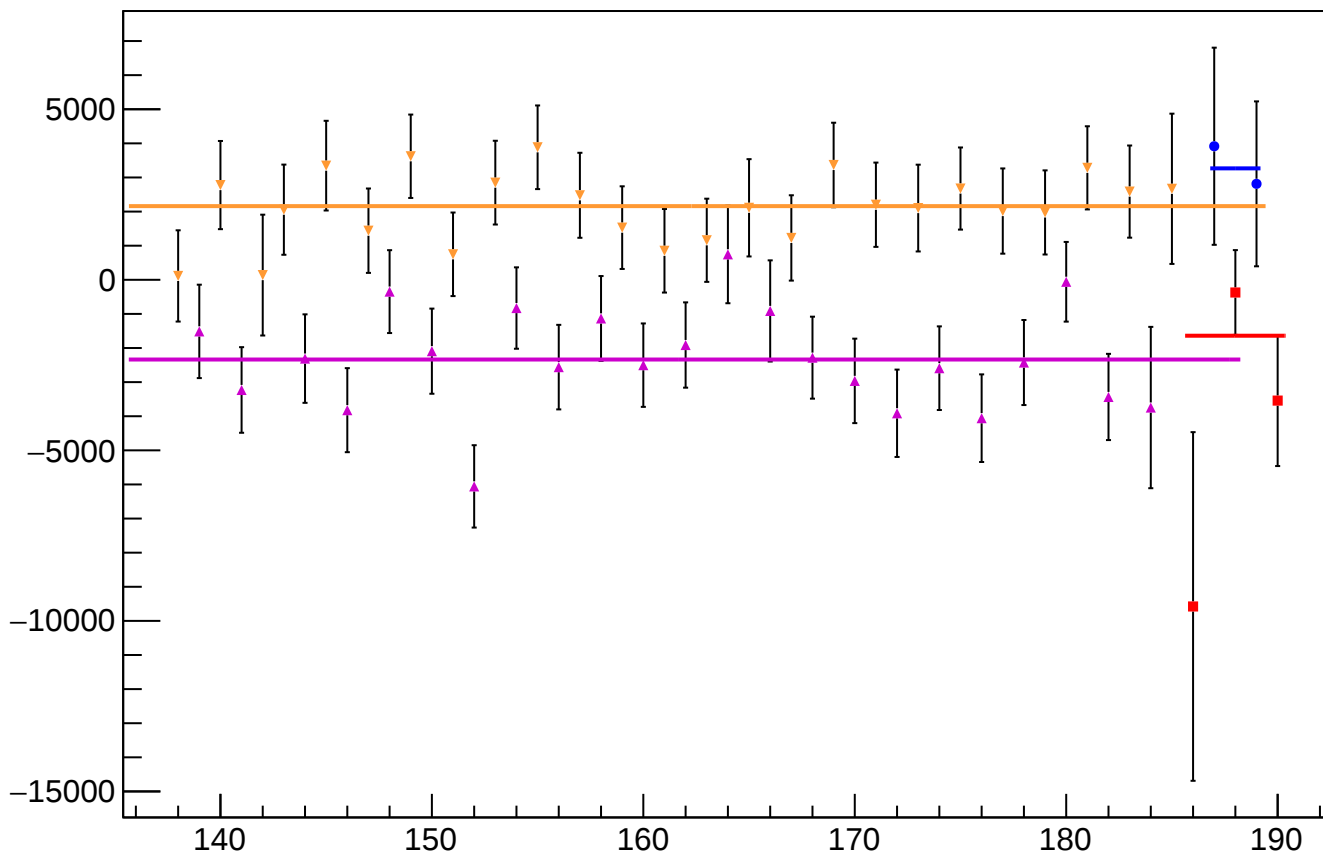
Left In: 1120.977+/-0.191 χ^2/NDF : 9259.6/22

+ sign 1119.778+/-0.186 χ^2/NDF : 11119.7/25

All: 1123.129+/-0.131 χ^2/NDF : 338117.1/51

- sign 1126.407+/-0.184 χ^2/NDF : 326357.4/25

cor_asym_usr_mean vs Slug



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

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

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

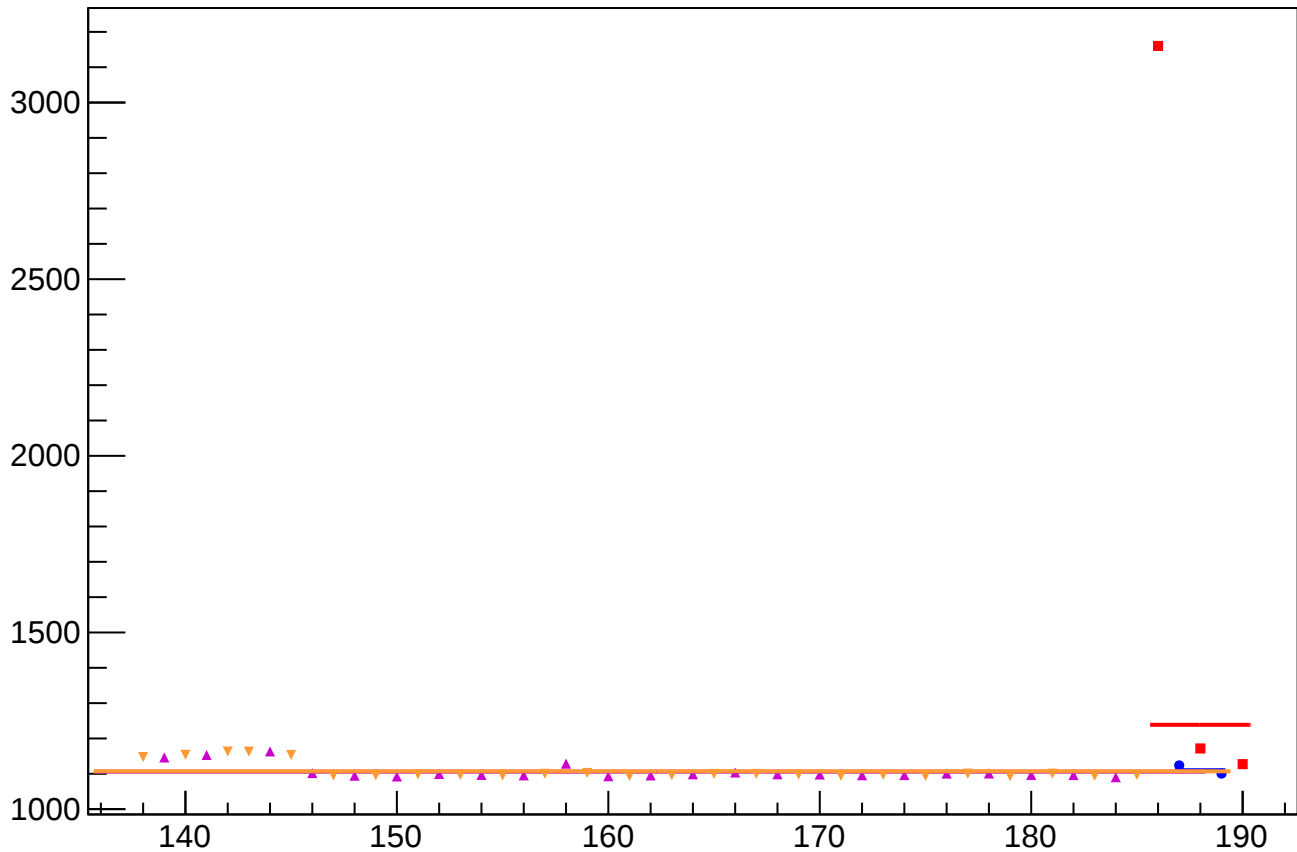
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

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

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

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

cor_asym_usr_rms vs Slug



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

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

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

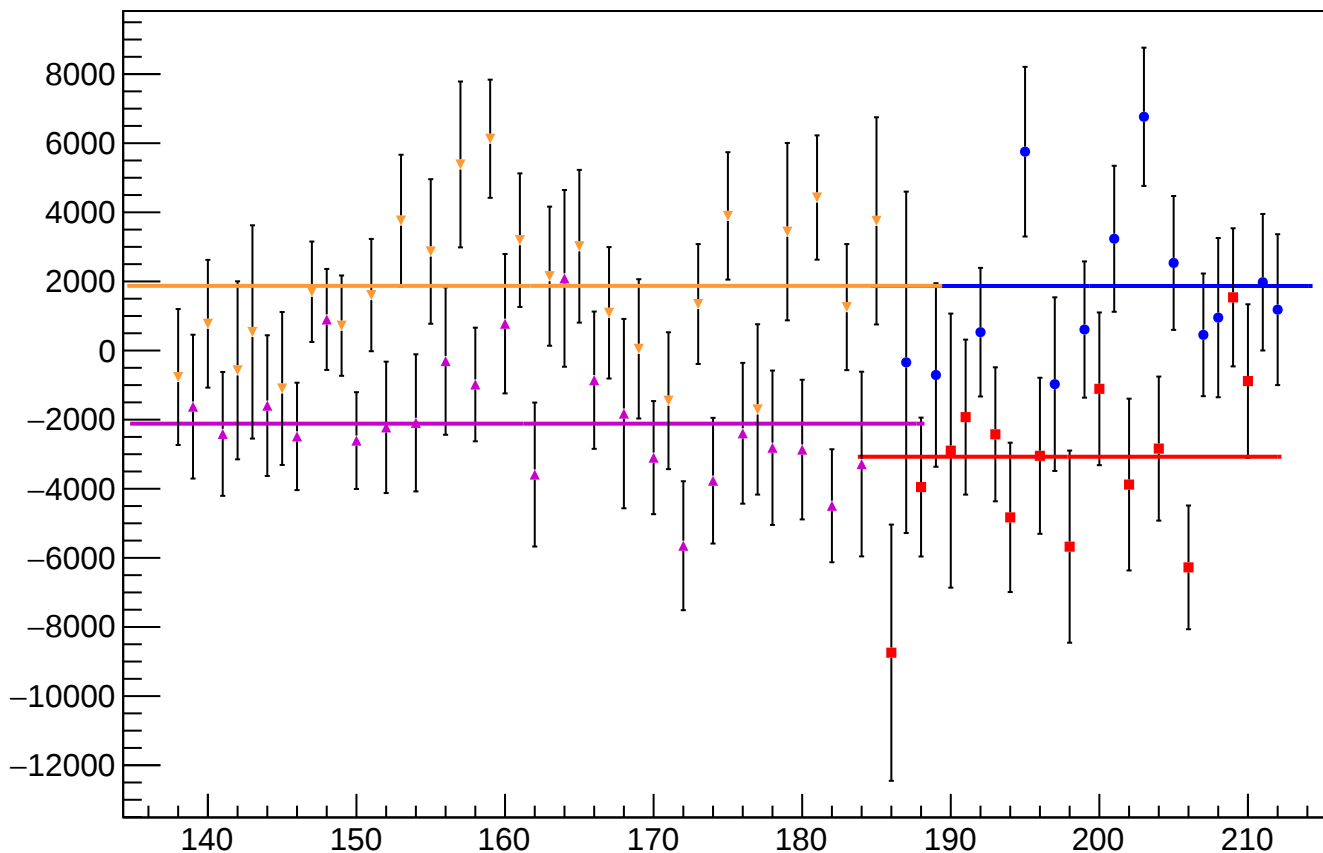
Left In: 1105.955 $\pm$ 0.188 χ^2 /NDF: 11111.3/22

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

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

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

asym_us_agg_avg_mean vs Slug



Right In: 1867.816 ± 601.313 χ^2/NDF : 13.3/12

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

Right Out: -3072.983 ± 602.981 χ^2/NDF : 14.8/13

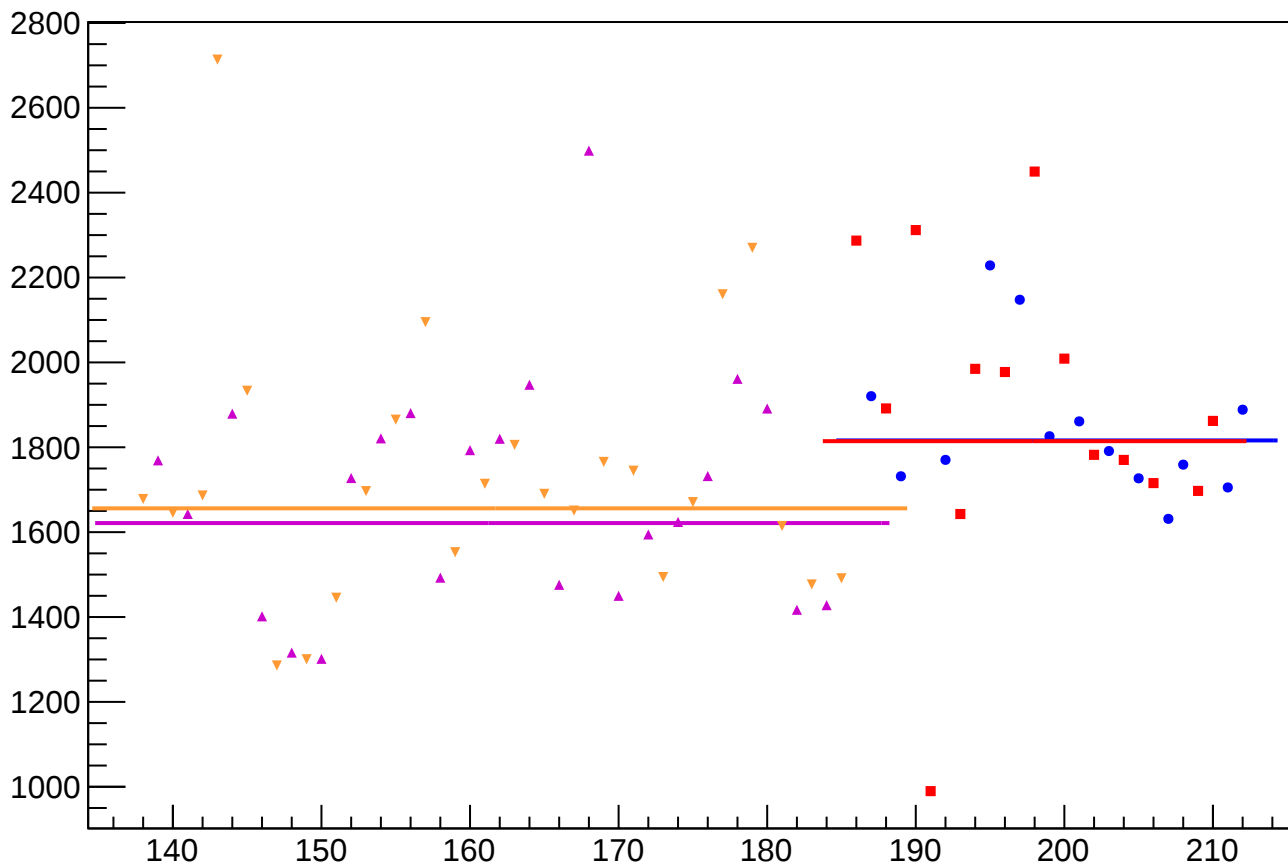
Left In: -2116.114 ± 392.997 χ^2/NDF : 18.8/22

+ sign 1870.499 ± 328.197 χ^2/NDF : 39.4/37

All: -258.668 ± 232.439 χ^2/NDF : 159.2/74

- sign -2401.396 ± 329.241 χ^2/NDF : 35.4/36

asym_us_agg_avg_rms vs Slug



Right In: 1816.134 $\pm$ 0.425 χ^2 /NDF: 132326.9/12

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

Right Out: 1814.419 $\pm$ 0.426 χ^2 /NDF: 510986.7/13

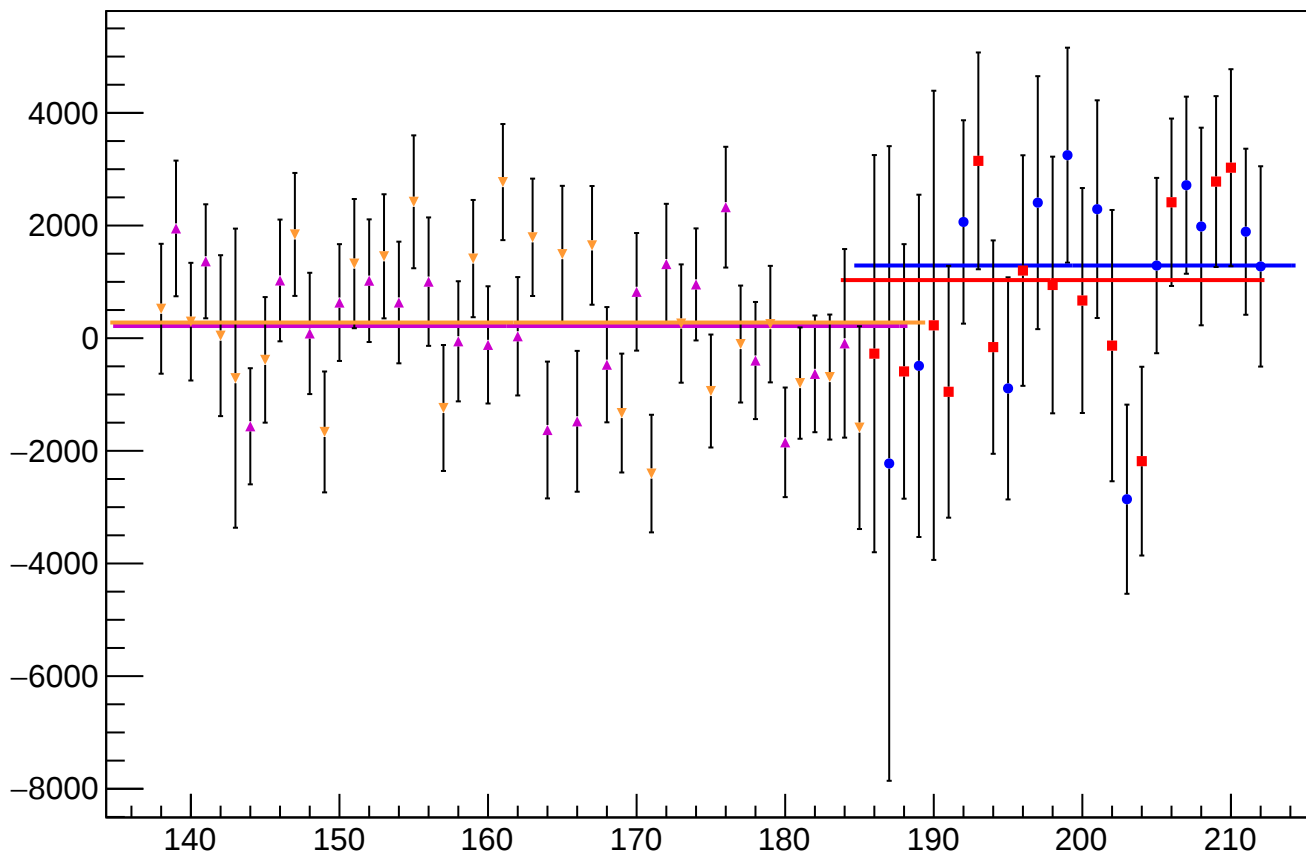
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1703.788 $\pm$ 0.232 χ^2 /NDF: 1142337.8/37

All: 1691.413 $\pm$ 0.164 χ^2 /NDF: 2578152.4/74

- sign 1678.959 $\pm$ 0.233 χ^2 /NDF: 1430109.4/36

asym_us_agg_dd_mean vs Slug



Right In: 1290.481 $\pm$ 518.644 χ^2 /NDF: 11.0/12

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

Right Out: 1031.515 $\pm$ 533.938 χ^2 /NDF: 10.5/13

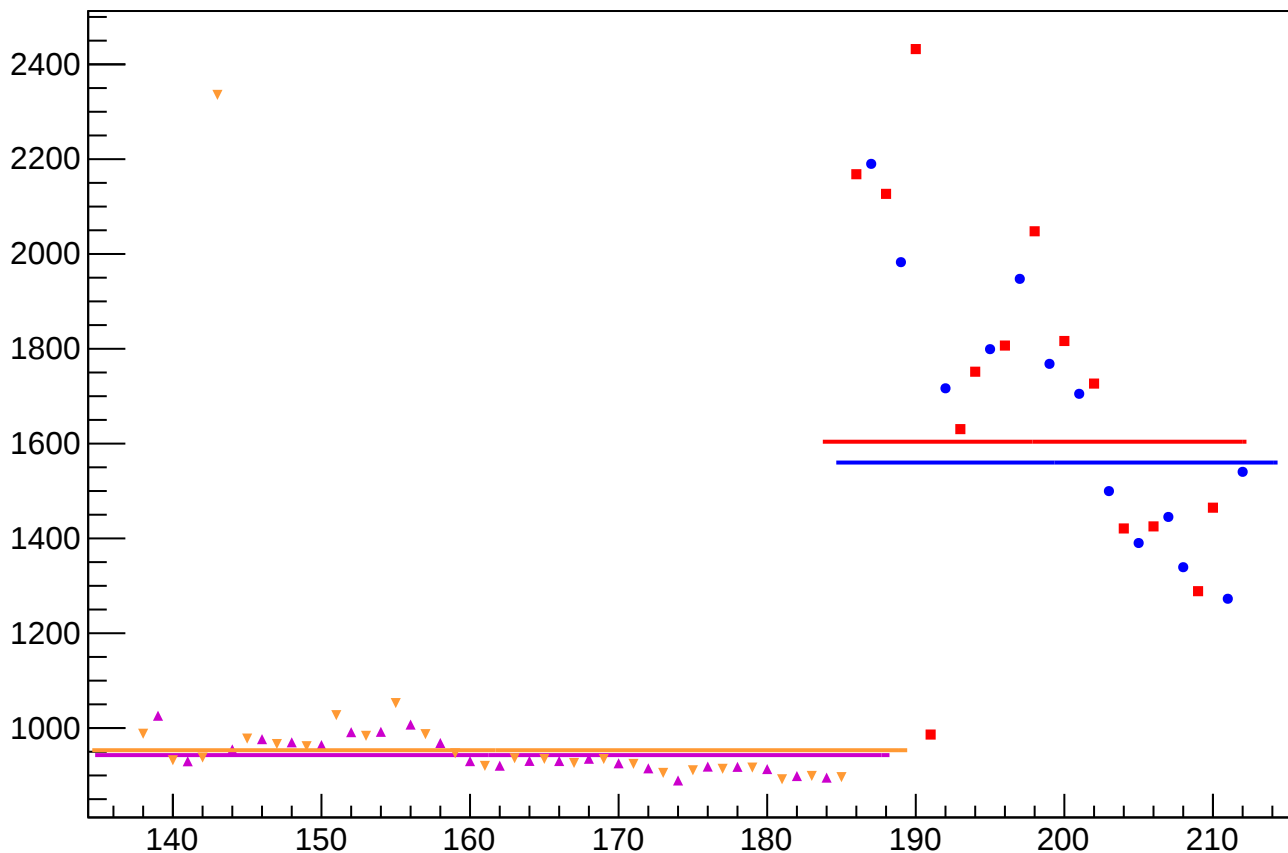
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF: 24.4/22

+ sign 436.745 $\pm$ 205.316 χ^2 /NDF: 52.6/37

All: 388.778 $\pm$ 146.055 χ^2 /NDF: 89.6/74

- sign 339.638 $\pm$ 207.812 χ^2 /NDF: 36.9/36

asym_us_agg_dd_rms vs Slug



Right In: 1560.054+/-0.367 χ^2/NDF : 347694.8/12

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

Right Out: 1603.989+/-0.378 χ^2/NDF : 677830.0/13

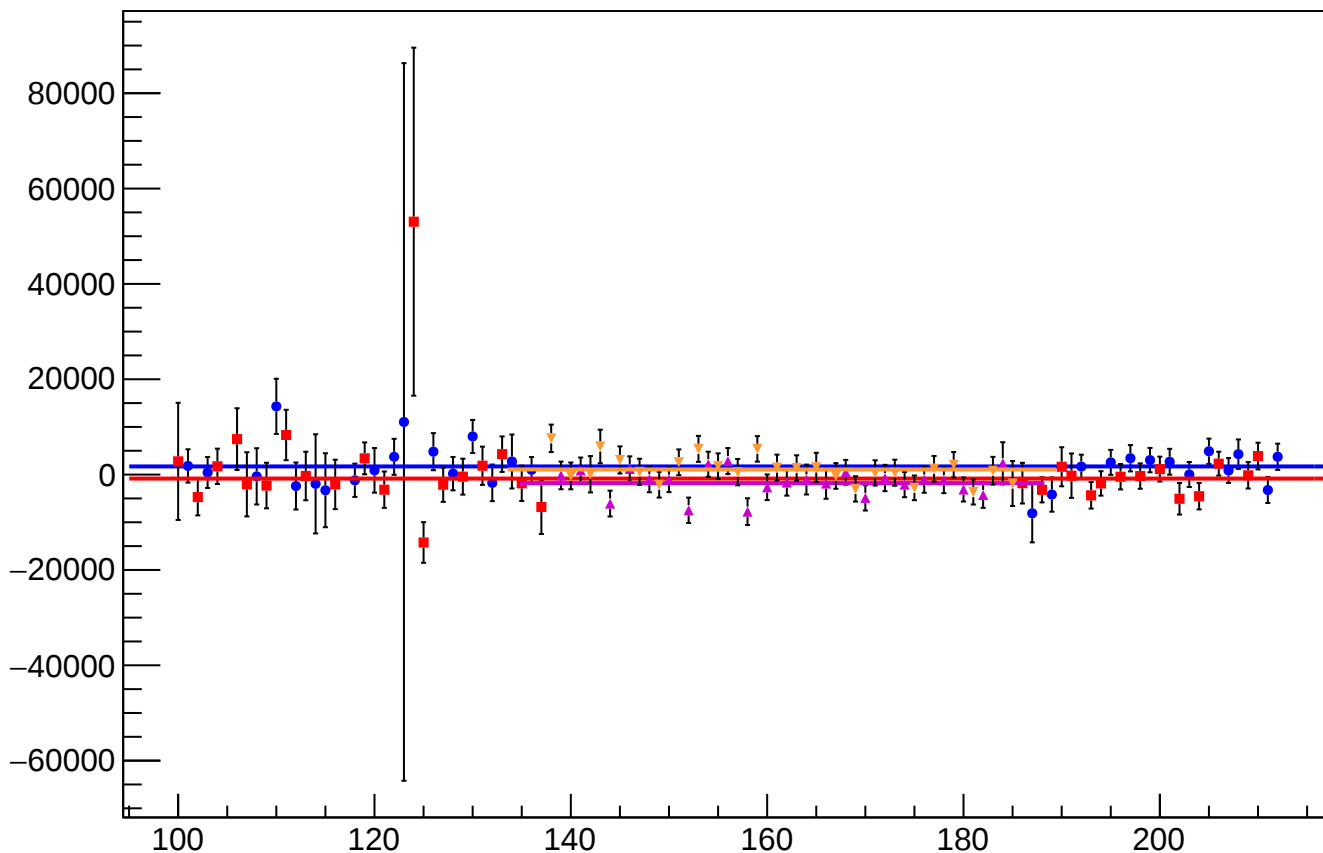
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1048.320+/-0.145 χ^2/NDF : 3262866.4/37

All: 1045.724+/-0.103 χ^2/NDF : 6591072.3/74

- sign 1043.065+/-0.147 χ^2/NDF : 3327558.9/36

reg_asym_atl1_mean vs Slug



Right In: 1713.341 $\pm$ 619.263 χ^2 /NDF: 25.0/29

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

Right Out: -832.087 $\pm$ 619.989 χ^2 /NDF: 35.6/32

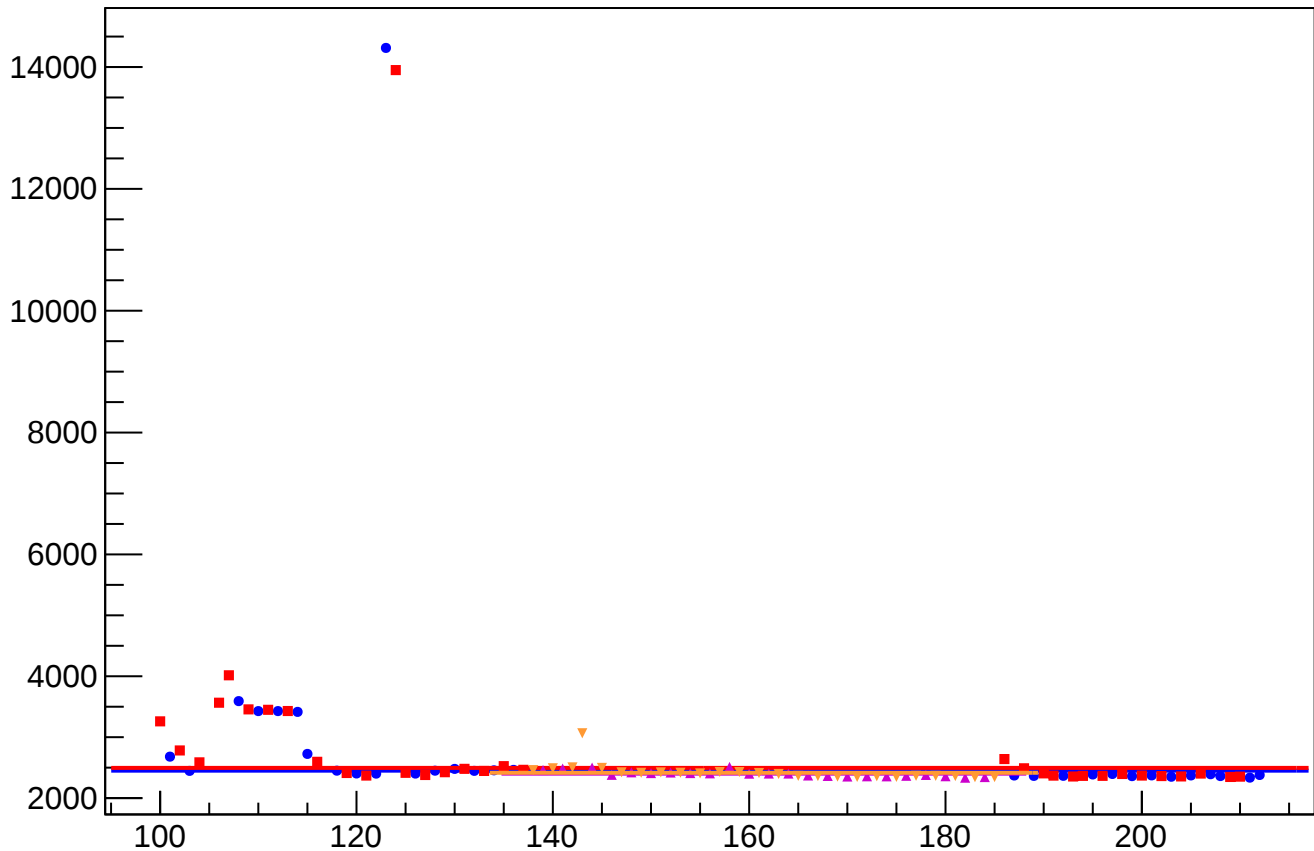
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF:24.1/22

+ sign 1366.095 $\pm$ 416.982 χ^2 /NDF: 49.2/54

All: 29.365 $\pm$ 296.591 χ^2 /NDF: 130.9/110

- sign -1339.390 $\pm$ 421.947 χ^2 /NDF: 60.9/55

reg_asym_atl1_rms vs Slug



Right In: 2450.598 $\pm$ 0.438 χ^2 /NDF: 311638.6/29

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

Right Out: 2495.963 $\pm$ 0.438 χ^2 /NDF: 644339.7/32

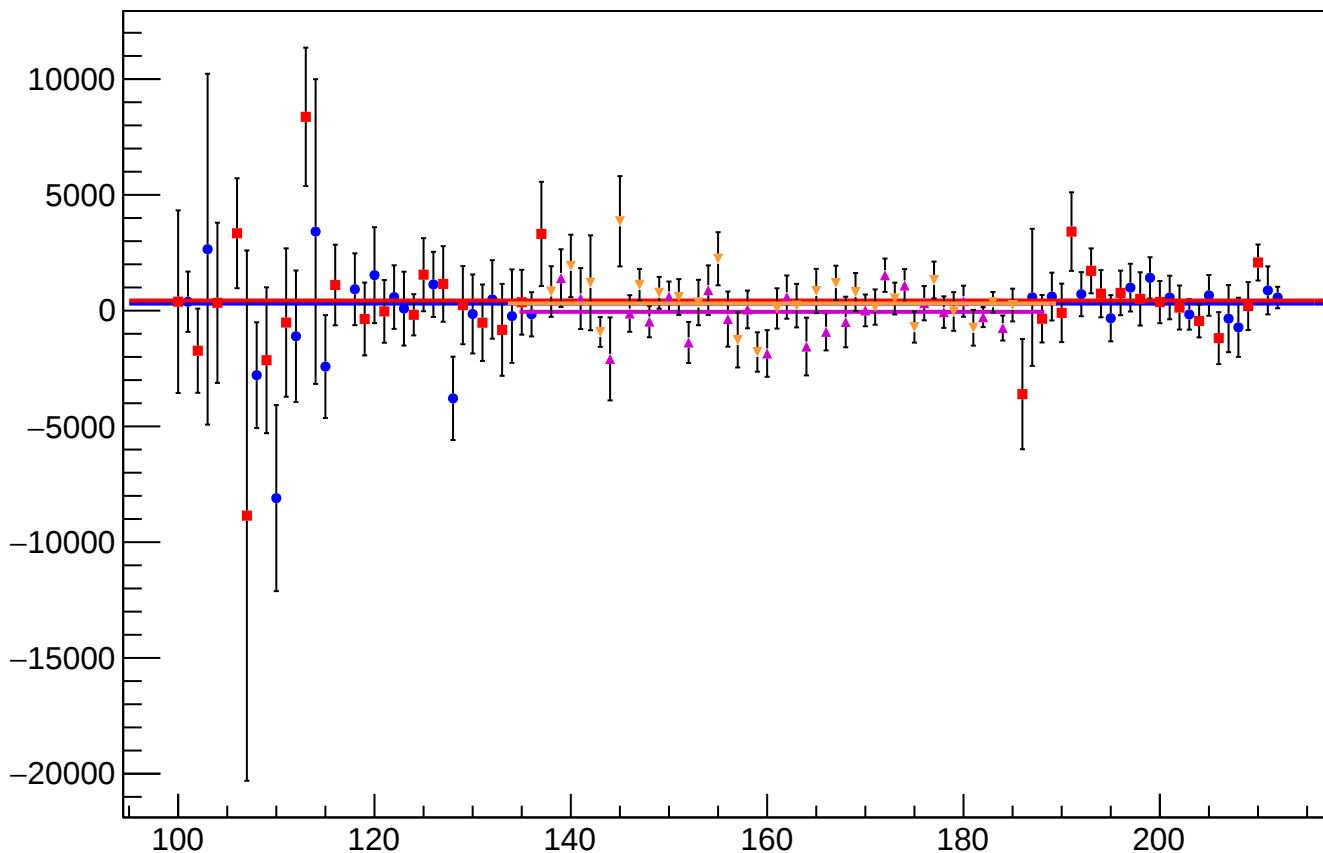
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

+ sign 2431.697 $\pm$ 0.295 χ^2 /NDF: 397683.2/54

All: 2438.374 $\pm$ 0.210 χ^2 /NDF: 1081773.6/11

- sign 2445.211 $\pm$ 0.298 χ^2 /NDF: 683052.5/55

asym_atl1_correction_mean vs Slug



Right In: 304.638 $\pm$ 211.230 χ^2 /NDF: 19.7/29

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

Right Out: 436.492 $\pm$ 225.864 χ^2 /NDF: 32.4/32

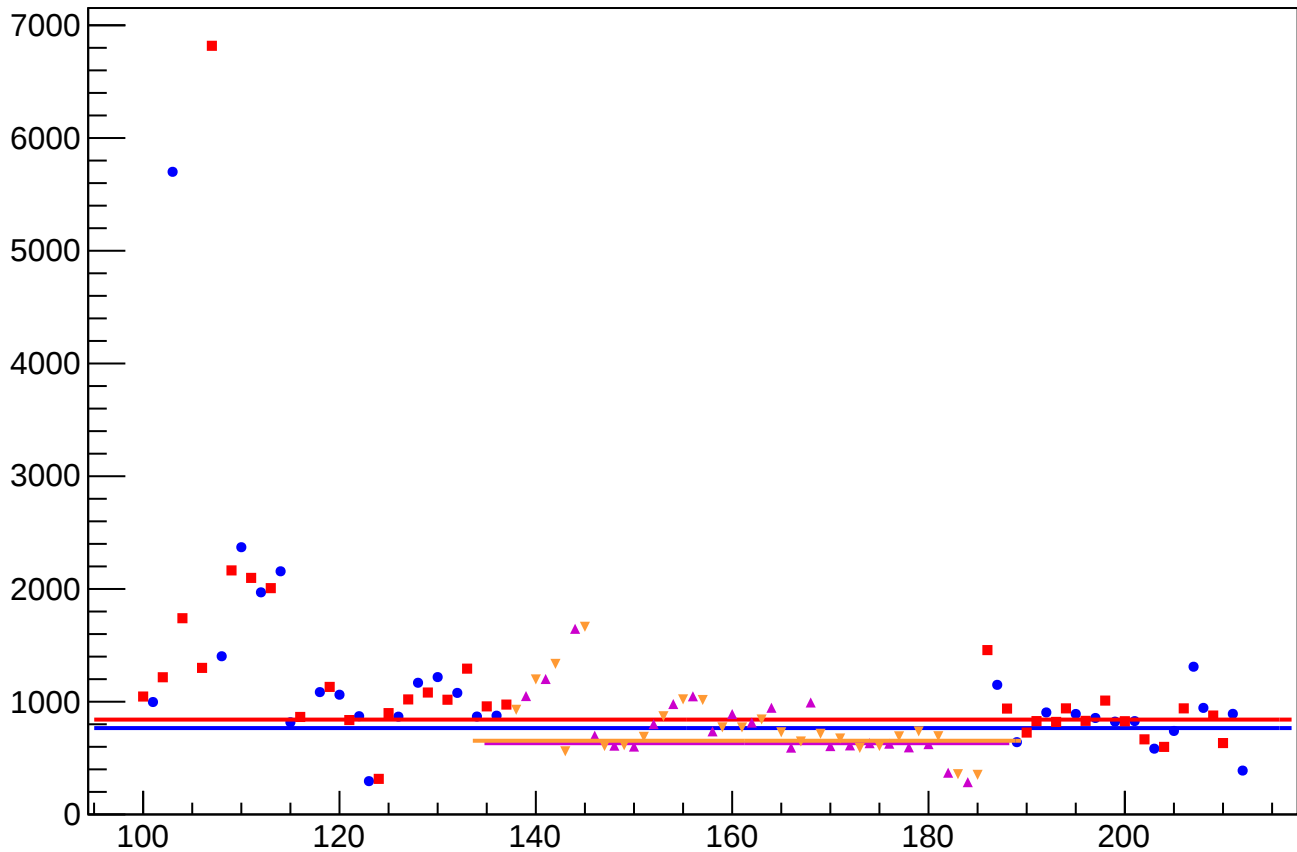
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF:23.8/22

+ sign 308.588 $\pm$ 127.870 χ^2 /NDF: 49.4/54

All: 213.995 $\pm$ 91.675 χ^2 /NDF: 109.9/110

- sign 113.951 $\pm$ 131.503 χ^2 /NDF: 59.4/55

asym_atl1_correction_rms vs Slug



Right In: 766.128 $\pm$ 0.149 χ^2 /NDF: 4498750.4/29

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

Right Out: 841.471 $\pm$ 0.160 χ^2 /NDF: 3489125.9/32

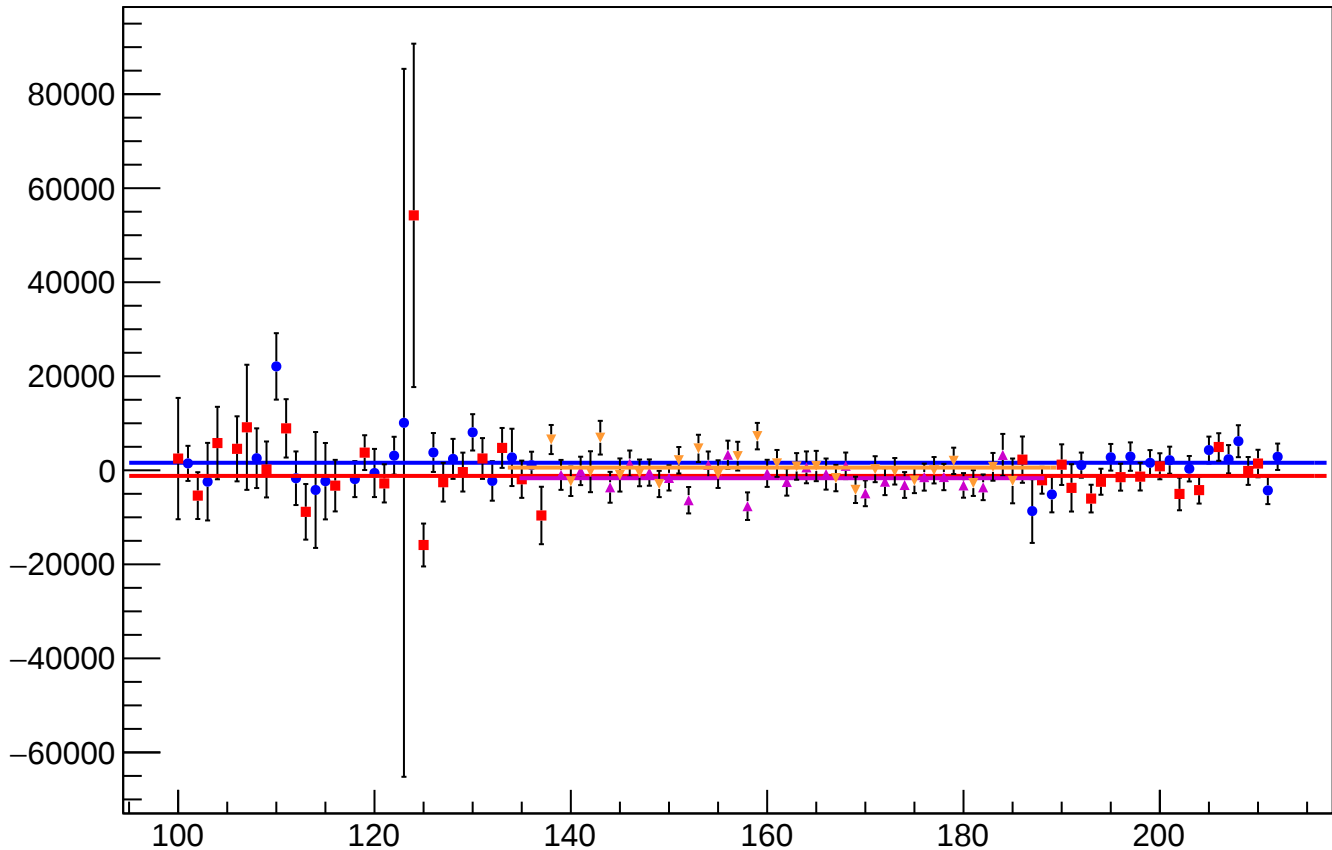
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 694.965 $\pm$ 0.090 χ^2 /NDF: 8111746.6/54

All: 698.890 $\pm$ 0.065 χ^2 /NDF: 16684123.7/11

- sign 703.042 $\pm$ 0.093 χ^2 /NDF: 8568499.6/55

asym_atl1_mean vs Slug



Right In: 1603.742 $\pm$ 680.361 χ^2 /NDF: 27.8/29

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

Right Out: -1191.740 $\pm$ 685.758 χ^2 /NDF: 39.1/32

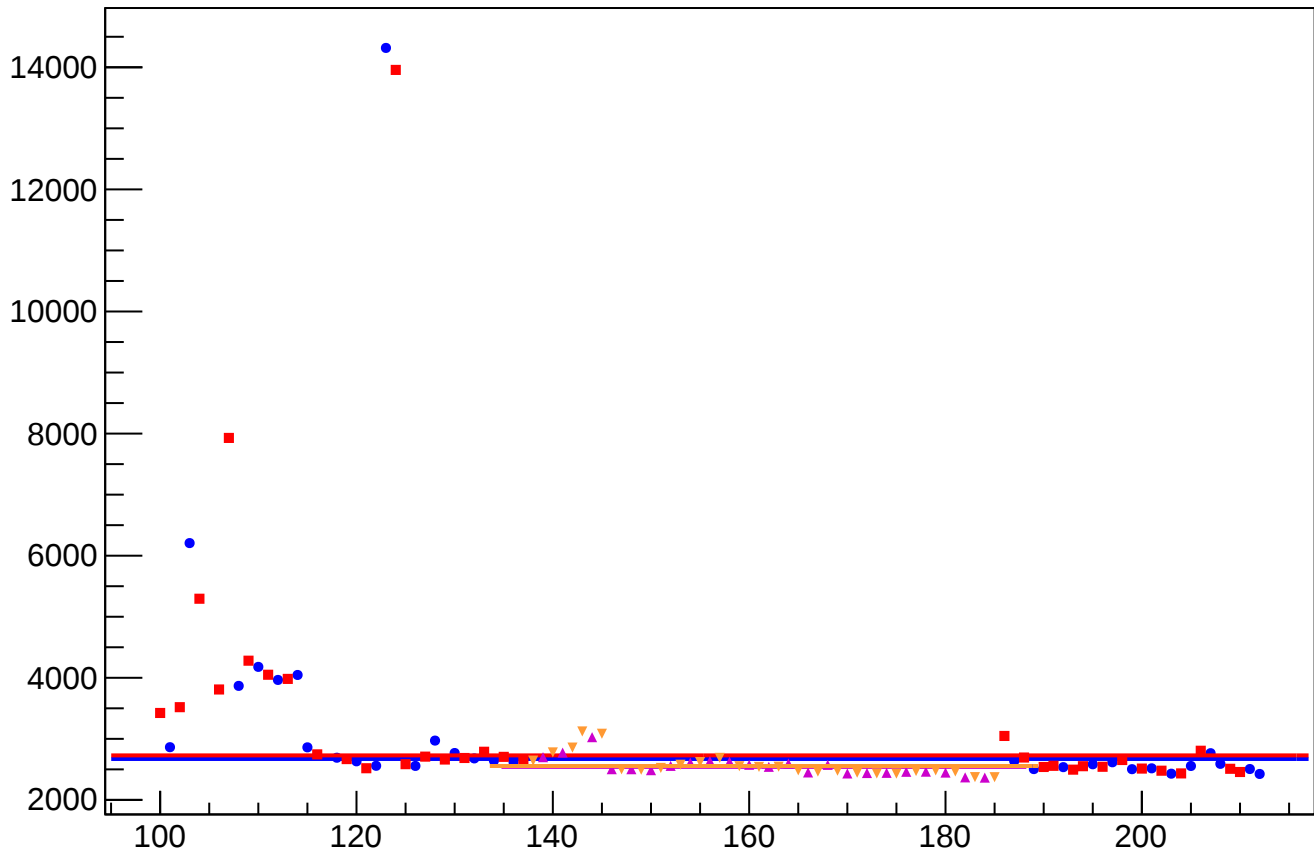
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 1025.987 $\pm$ 448.811 χ^2 /NDF: 54.4/54

All: -199.729 $\pm$ 319.807 χ^2 /NDF: 127.1/110

- sign -1464.037 $\pm$ 455.821 χ^2 /NDF: 57.6/55

asym_atl1_rms vs Slug



Right In: 2670.443+/-0.481 χ^2/NDF : 795736.7/29

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

Right Out: 2729.007+/-0.485 χ^2/NDF : 1265865.3/32

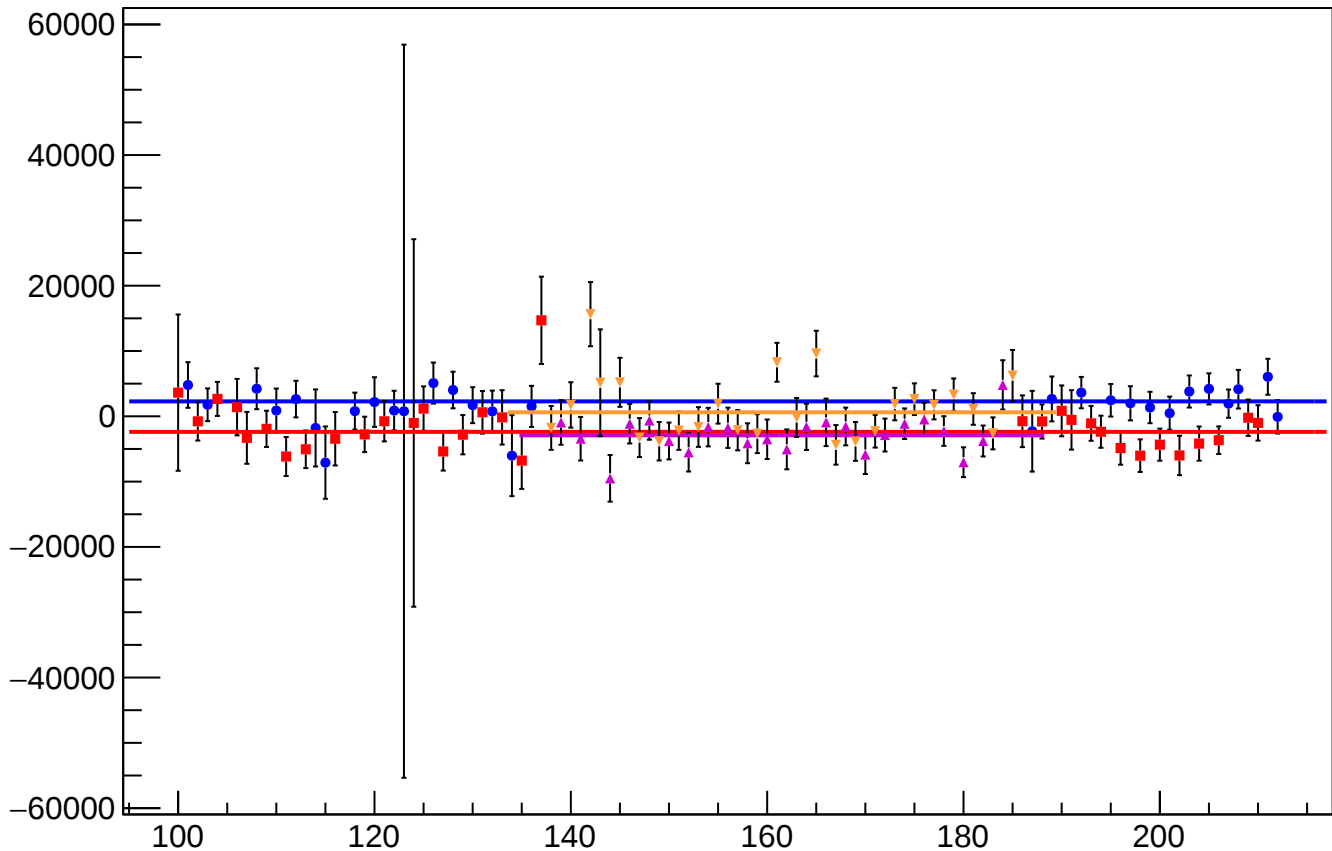
Left In: 2540.988+/-0.431 χ^2/NDF : 94756.7/22

+ sign 2605.394+/-0.317 χ^2/NDF : 982847.9/54

All: 2614.582+/-0.226 χ^2/NDF : 2429092.7/11

- sign 2624.059+/-0.322 χ^2/NDF : 1444542.0/55

reg_asym_atl2_mean vs Slug



Right In: 2285.405 $\pm$ 543.374 χ^2 /NDF: 14.0/29

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

Right Out: -2380.602 $\pm$ 538.594 χ^2 /NDF: 27.3/32

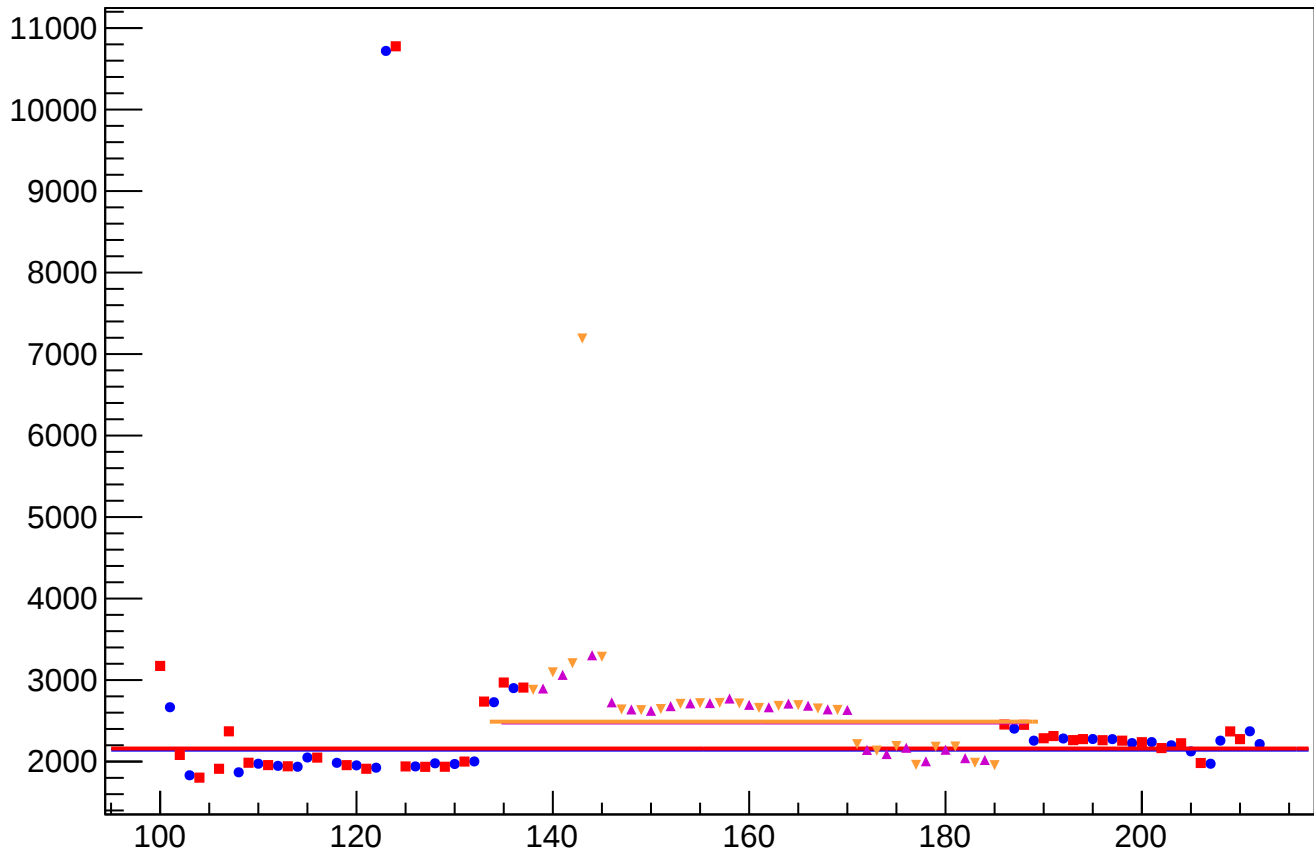
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF:17.4/22

+ sign 1520.357 $\pm$ 400.048 χ^2 /NDF: 63.5/54

All: -544.726 $\pm$ 283.108 χ^2 /NDF: 162.0/110

- sign -2616.577 $\pm$ 400.703 χ^2 /NDF: 45.1/55

reg_asym_atl2_rms vs Slug



Right In: 2146.208+/-0.384 χ^2/NDF : 398547.9/29

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

Right Out: 2159.929+/-0.381 χ^2/NDF : 563124.9/32

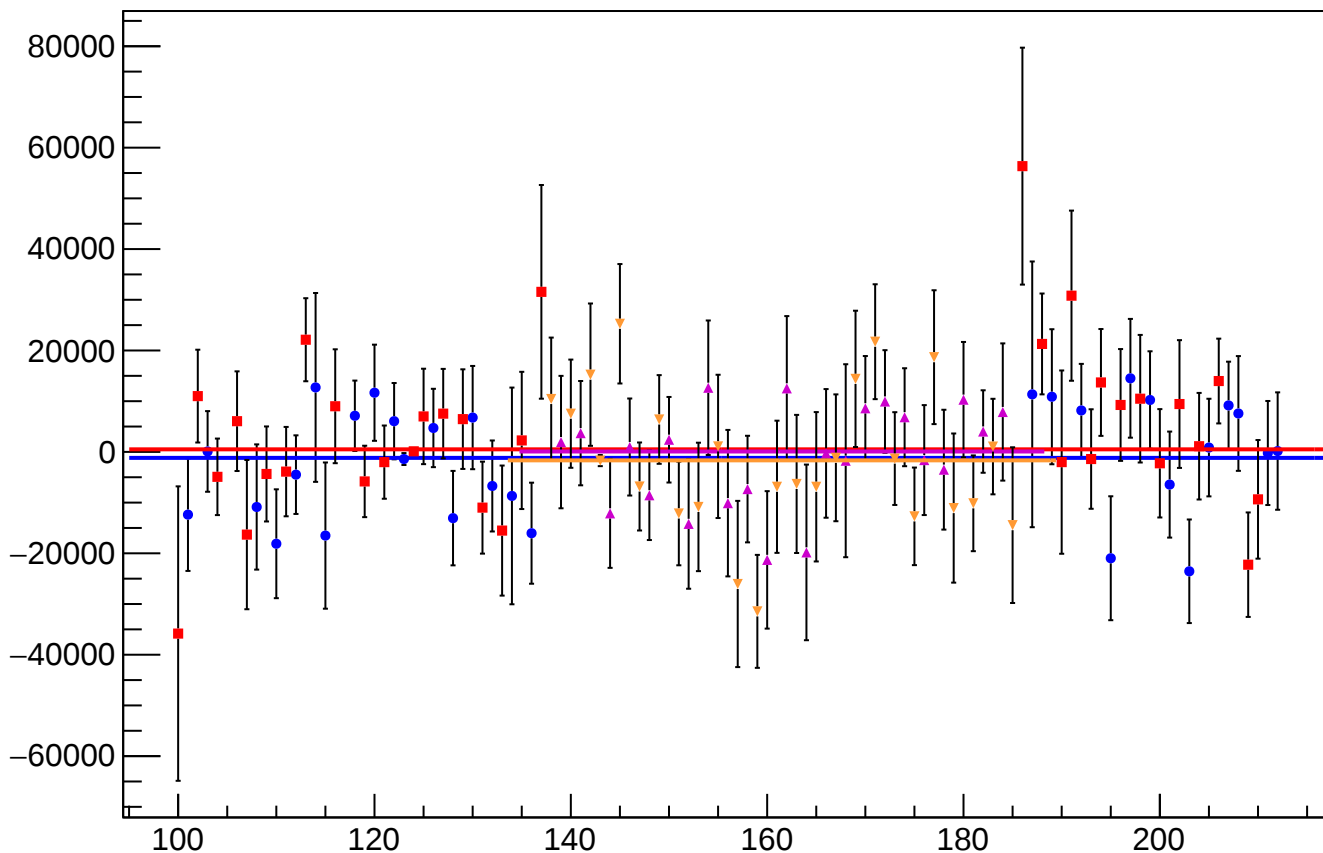
Left In: 2479.348+/-0.424 χ^2/NDF :668398.2/22

+ sign 2303.459+/-0.283 χ^2/NDF : 2128503.2/54

All: 2303.004+/-0.200 χ^2/NDF : 3674117.1/11

- sign 2302.547+/-0.283 χ^2/NDF : 1545608.7/55

asym_atl2_correction_mean vs Slug



Right In: -1178.842 $\pm$ 994.762 χ^2 /NDF: 30.9/29

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

Right Out: 505.518 $\pm$ 677.919 χ^2 /NDF: 46.1/32

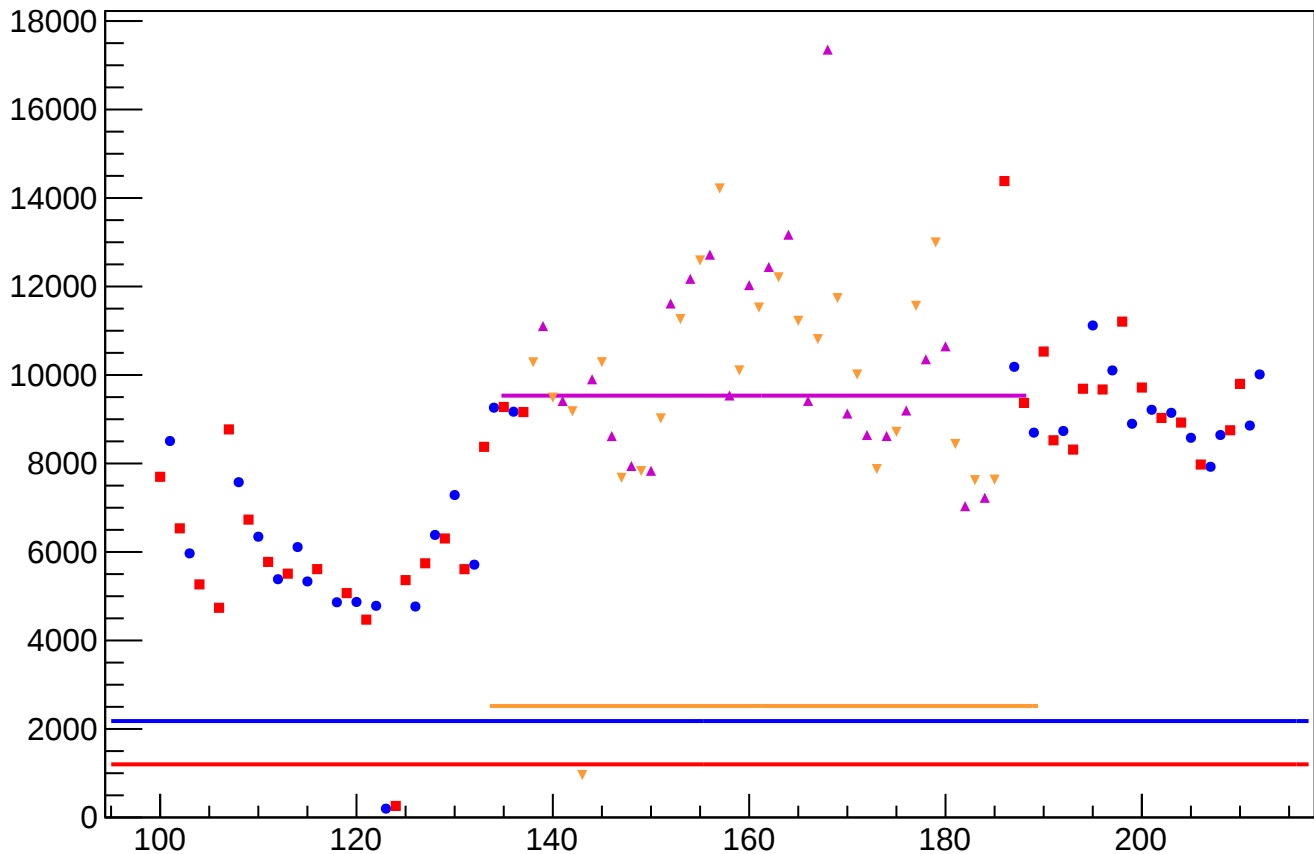
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1422.546 $\pm$ 702.800 χ^2 /NDF: 63.4/54

All: -402.633 $\pm$ 477.575 χ^2 /NDF: 127.2/110

- sign 472.369 $\pm$ 650.961 χ^2 /NDF: 59.9/55

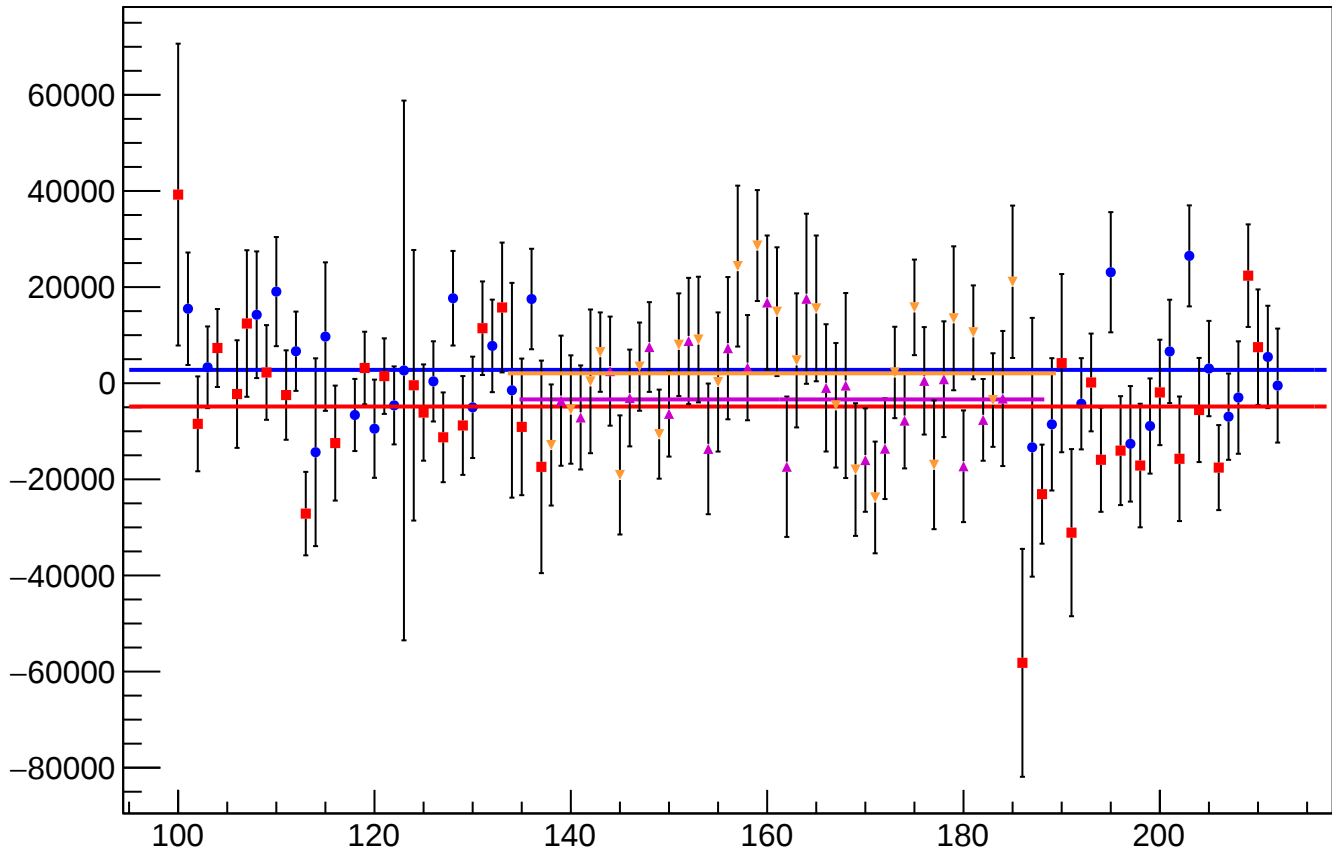
asym_atl2_correction_rms vs Slug



Right In: 2178.743 $\pm$ 0.703 χ^2 /NDF: 22011049.1/29
 Left Out: 2519.359 $\pm$ 0.702 χ^2 /NDF: 23642118.3/24
 Right Out: 1200.152 $\pm$ 0.479 χ^2 /NDF: 26425278.1/32
 Left In: 9533.563 $\pm$ 1.649 χ^2 /NDF: 1316640.0/22

+ sign 2349.343 $\pm$ 0.497 χ^2 /NDF: 45770612.3/54
 All: 2080.448 $\pm$ 0.338 χ^2 /NDF: 97614932.2/1
 - sign 1849.758 $\pm$ 0.460 χ^2 /NDF: 51300371.0/55

asym_atl2_mean vs Slug



Right In: 2774.403+/-1963.485 χ^2/NDF : 28.3/29

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

Right Out: -4849.943+/-1922.781 χ^2/NDF : 45.2/32

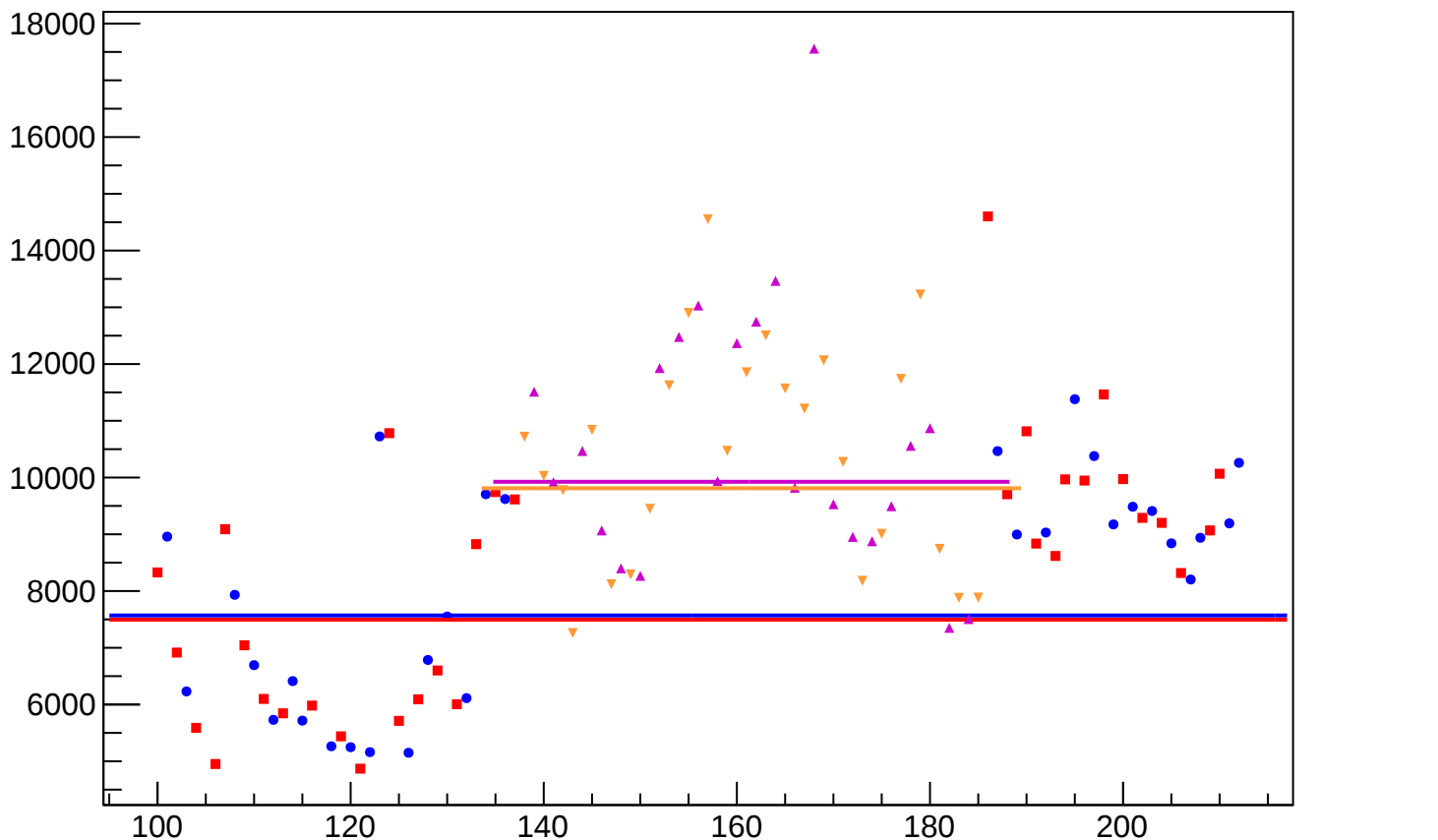
Left In: -3371.931+/-2423.242 χ^2/NDF :13.1/22

+ sign 2476.587+/-1502.387 χ^2/NDF : 59.1/54

All: -892.549+/-1063.701 χ^2/NDF : 127.7/110

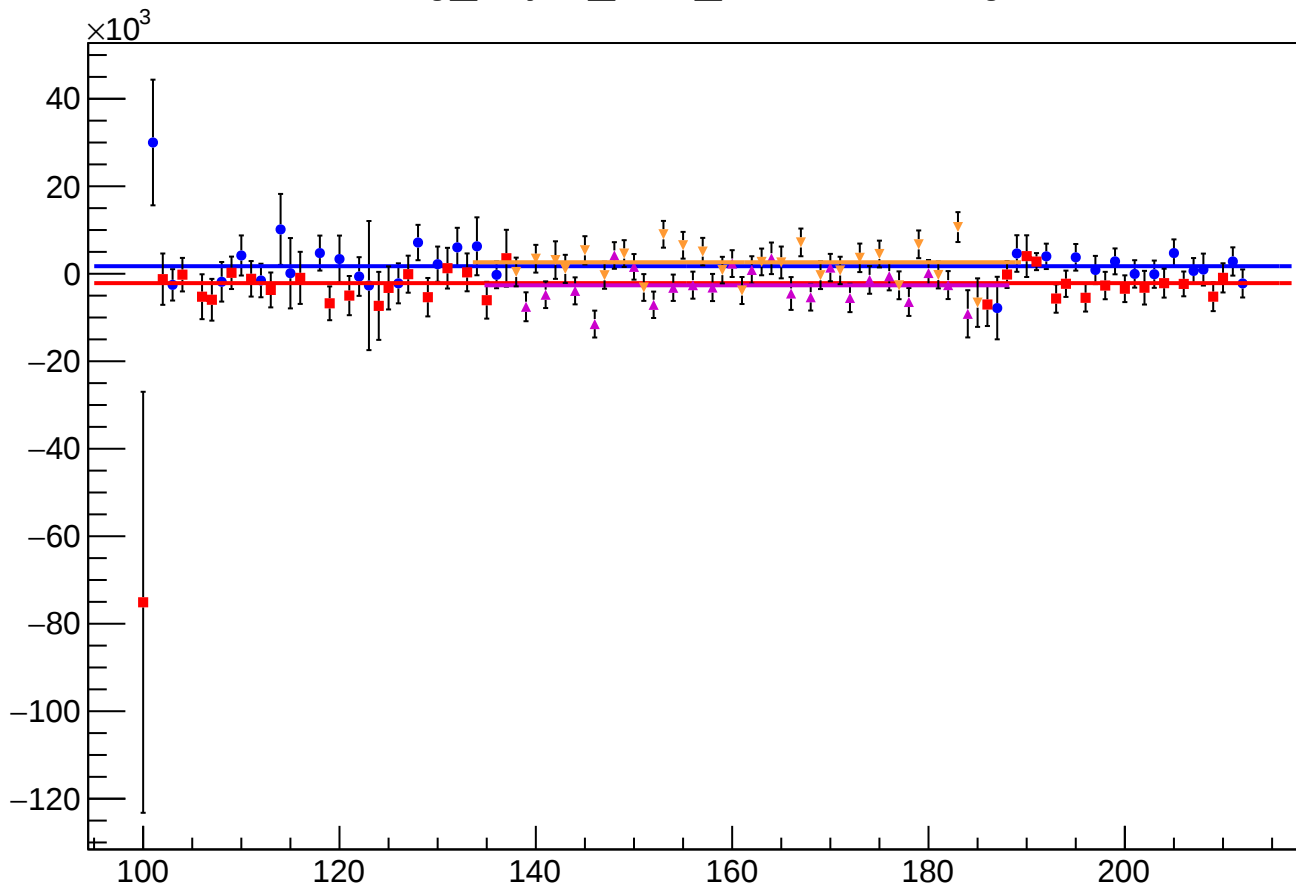
- sign -4278.908+/-1506.222 χ^2/NDF : 58.5/55

asym_atl2_rms vs Slug



Right In: 7569.582 $\pm$ 1.388	χ^2 /NDF: 1806726.0/29	+ sign 8498.697 $\pm$ 1.062	χ^2 /NDF: 4100998.8/54
Left Out: 9811.053 $\pm$ 1.650	χ^2 /NDF: 1213831.0/24	All: 8466.500 $\pm$ 0.752	χ^2 /NDF: 8705956.2/11
Right Out: 7495.387 $\pm$ 1.360	χ^2 /NDF: 2157408.1/32	- sign 8434.139 $\pm$ 1.065	χ^2 /NDF: 4603115.7/55
Left In: 9925.337 $\pm$ 1.713	χ^2 /NDF: 1211554.7/22		

reg_asym_atr1_mean vs Slug



Right In: 1728.534 ± 709.617 χ^2/NDF : 20.4/29

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

Right Out: -2141.226 ± 659.119 χ^2/NDF : 22.9/32

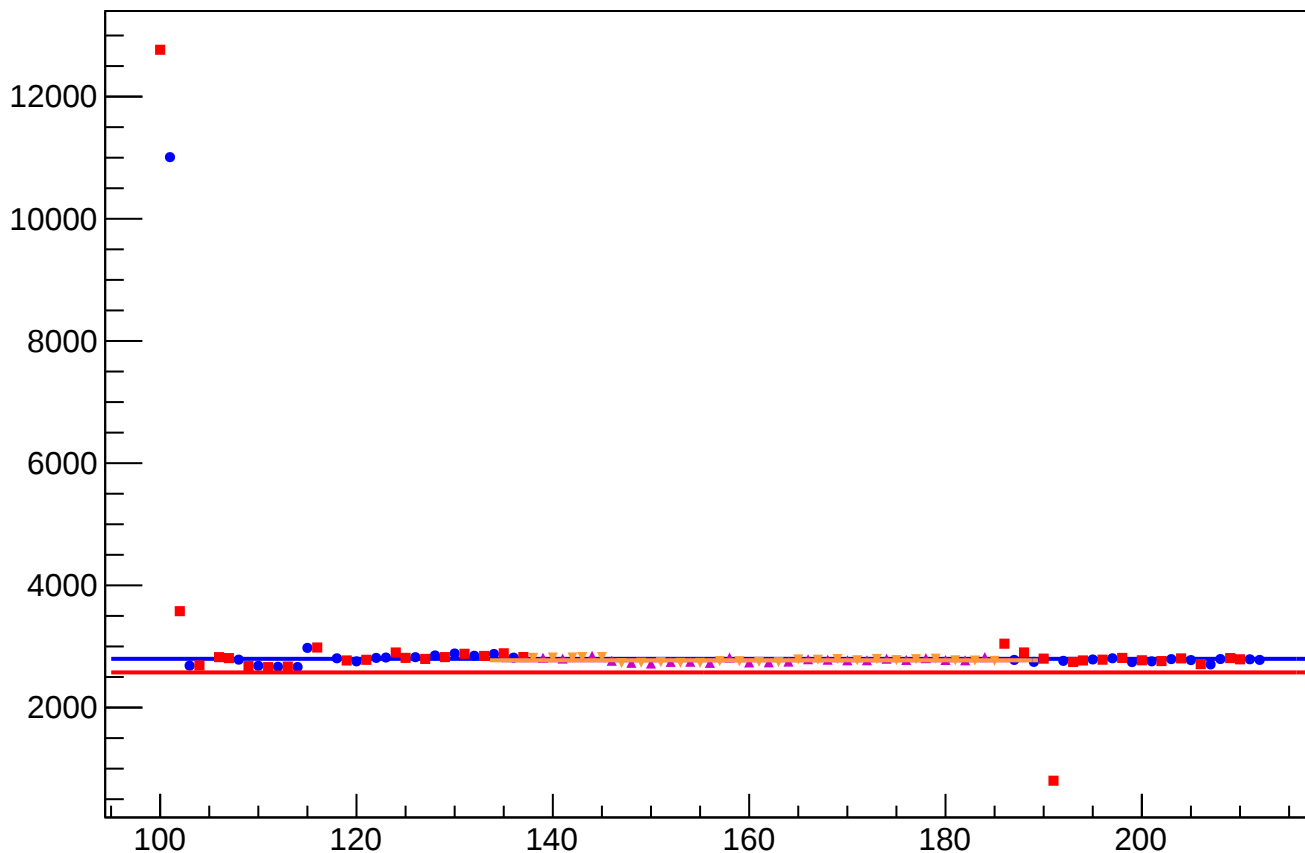
Left In: -2638.607 ± 664.569 χ^2/NDF : 35.2/22

+ sign 2224.584 ± 477.750 χ^2/NDF : 56.3/54

All: -129.277 ± 334.314 χ^2/NDF : 162.3/110

- sign -2387.868 ± 467.982 χ^2/NDF : 58.4/55

reg_asym_atr1_rms vs Slug



Right In: 2797.450+/-0.502 χ^2/NDF : 666686.4/29

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

Right Out: 2575.102+/-0.466 χ^2/NDF : 2013883.2/32

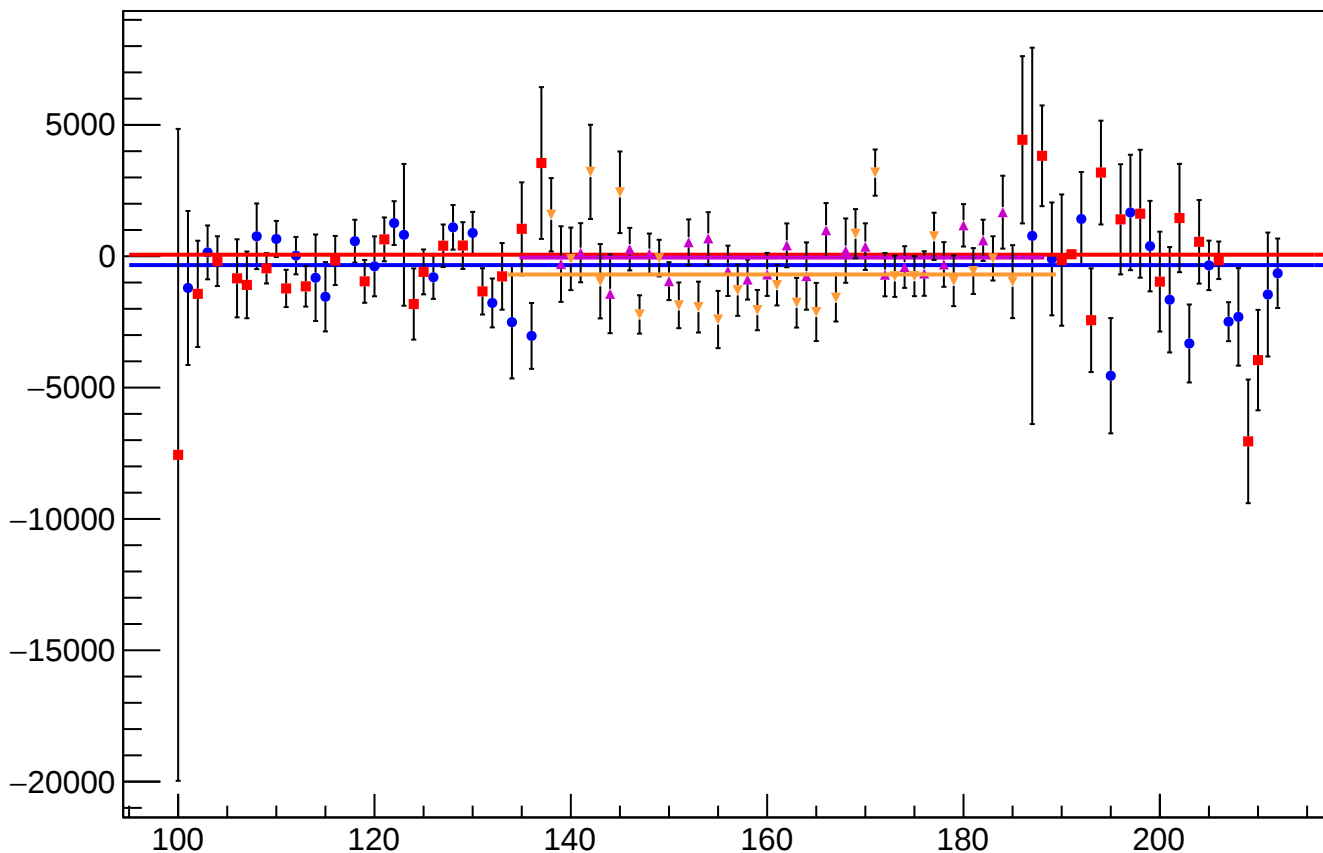
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2784.473+/-0.338 χ^2/NDF : 672526.4/54

All: 2727.968+/-0.236 χ^2/NDF : 2836560.3/11

- sign 2673.750+/-0.331 χ^2/NDF : 2109212.5/55

asym_atr1_correction_mean vs Slug



Right In: -336.072 ± 208.512 χ^2/NDF : 43.0/29

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

Right Out: 59.221 ± 37.811 χ^2/NDF : 43.7/32

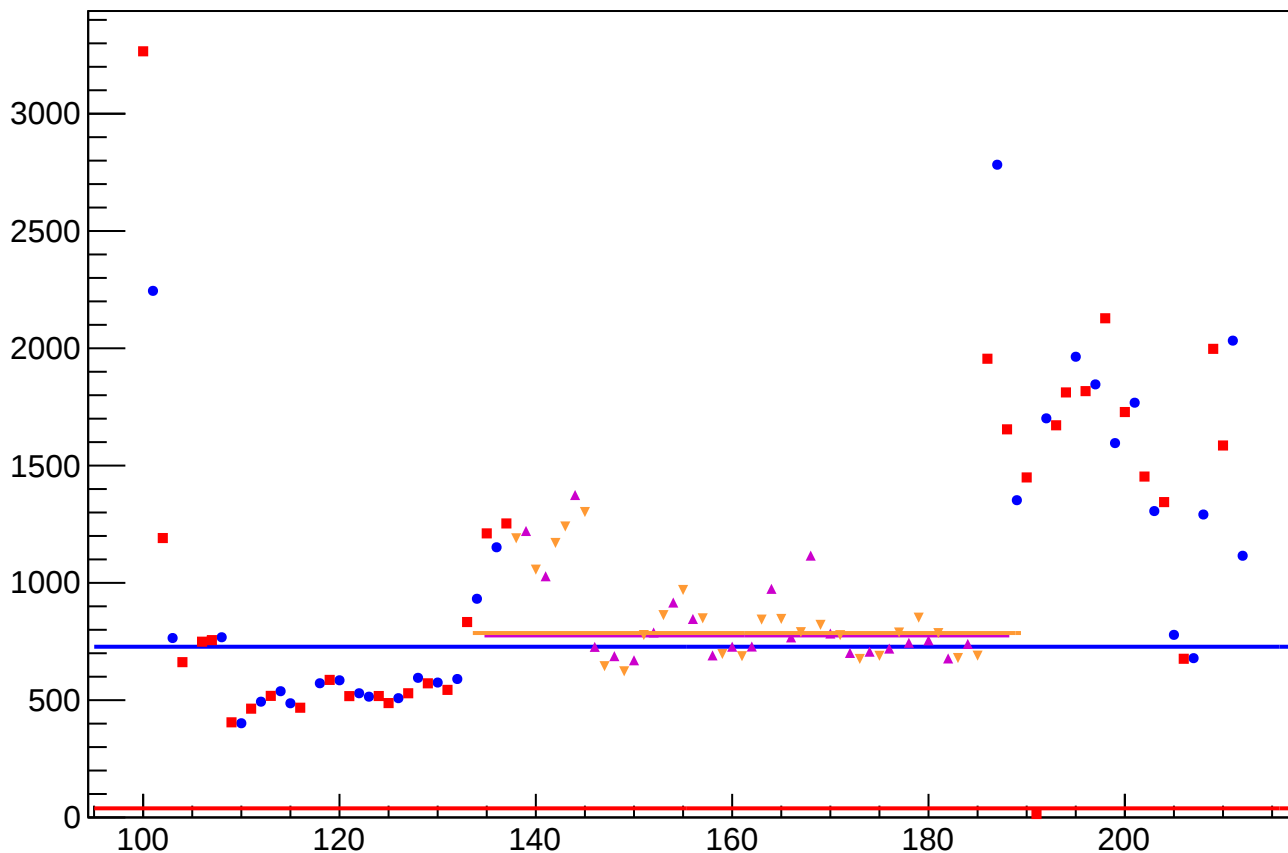
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -533.505 ± 139.338 χ^2/NDF : 100.6/54

All: 16.137 ± 35.830 χ^2/NDF : 174.9/110

- sign 55.055 ± 37.077 χ^2/NDF : 57.6/55

asym_atr1_correction_rms vs Slug



Right In: 727.758+/-0.147 χ^2/NDF : 6497670.2/29

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

Right Out: 38.846+/-0.027 χ^2/NDF : 29569068.0/32

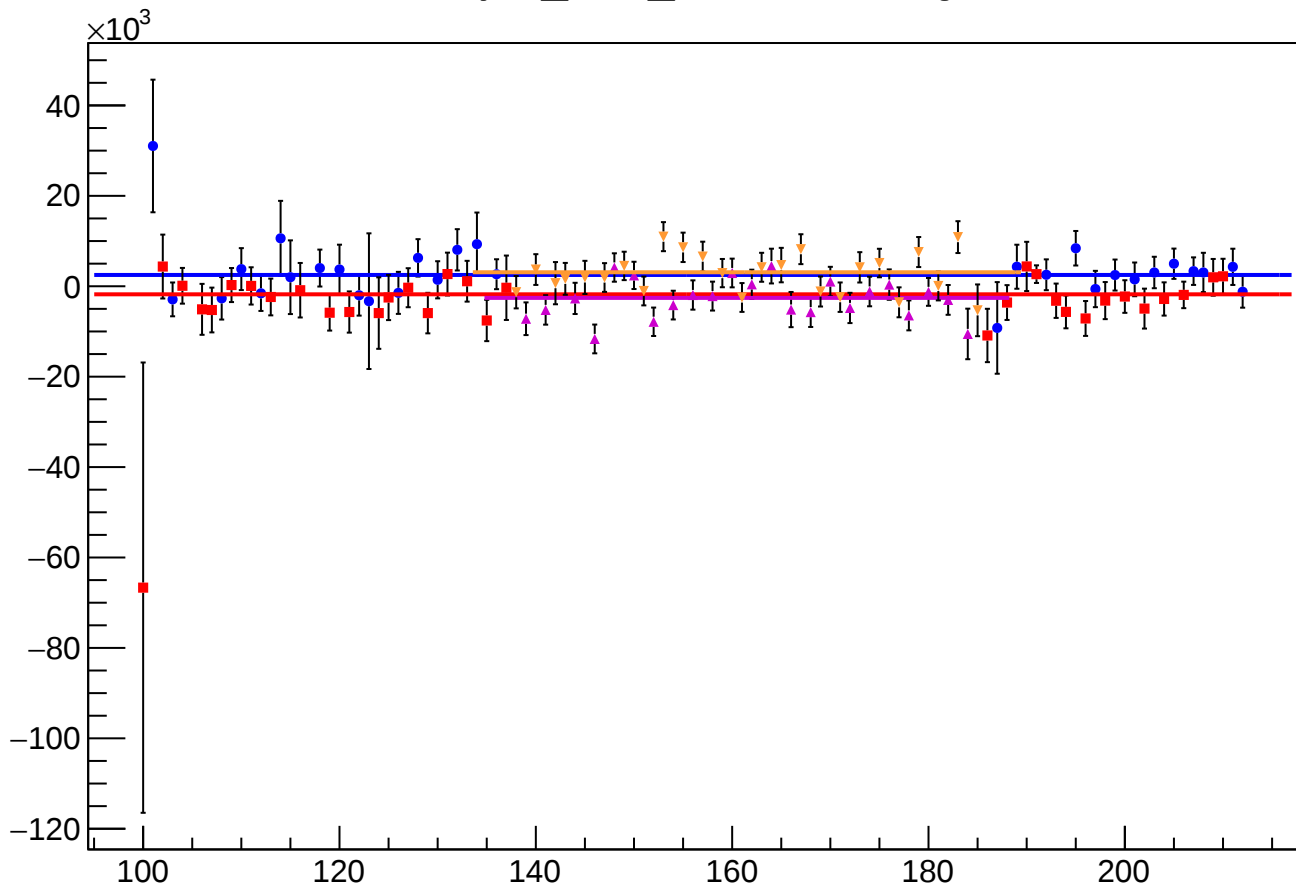
Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

+ sign 760.088+/-0.099 χ^2/NDF : 7834080.6/54

All: 112.976+/-0.025 χ^2/NDF : 113843336.4/100

- sign 67.155+/-0.026 χ^2/NDF : 59817595.0/55

asym_atr1_mean vs Slug



Right In: 2499.990 ± 782.169 χ^2/NDF : 21.1/29

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

Right Out: -1782.434 ± 722.118 χ^2/NDF : 25.1/32

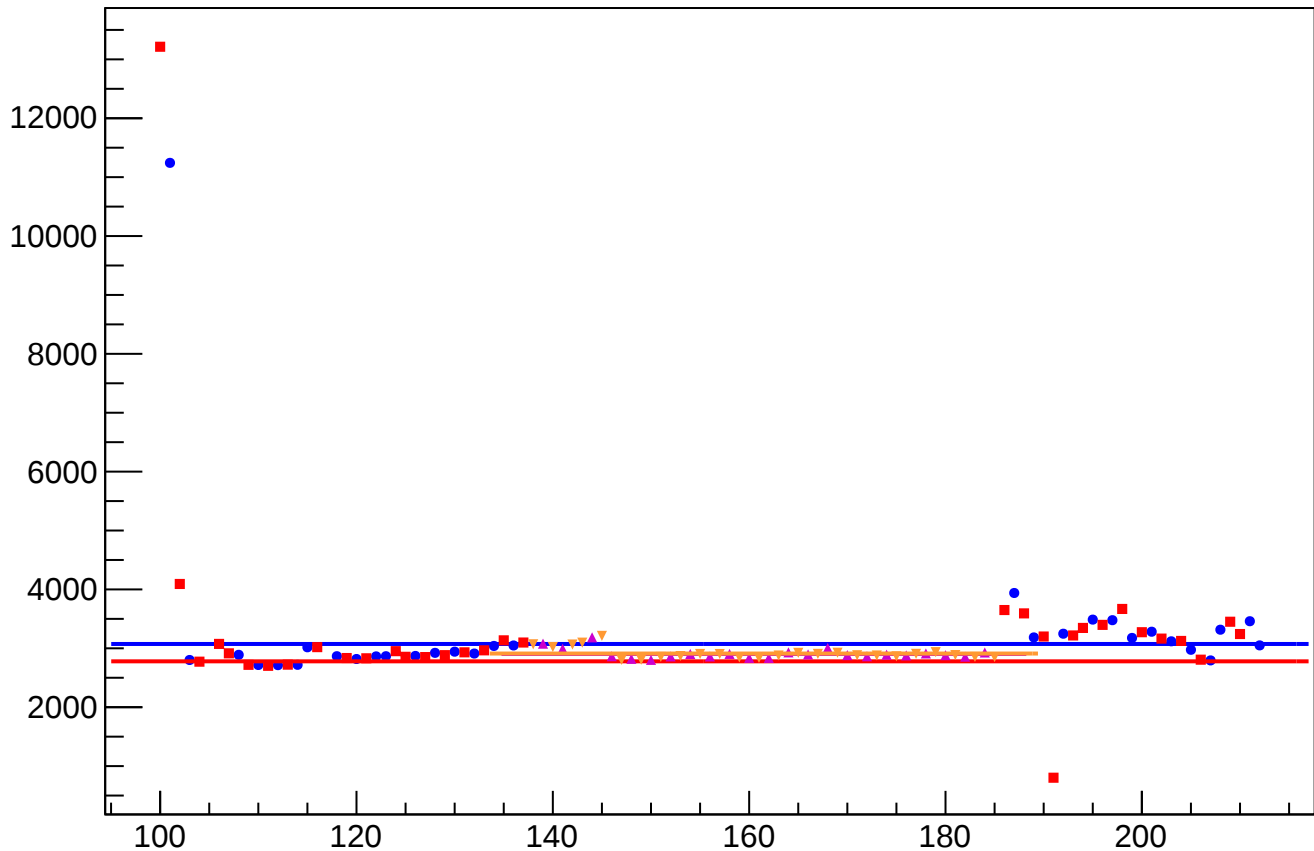
Left In: -2573.184 ± 695.795 χ^2/NDF : 35.7/22

+ sign 2839.409 ± 512.538 χ^2/NDF : 60.1/54

All: 266.431 ± 358.288 χ^2/NDF : 170.8/110

- sign -2192.484 ± 501.049 χ^2/NDF : 61.4/55

asym_atr1_rms vs Slug



Right In: 3073.661+/-0.553 χ^2/NDF : 808453.6/29

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

Right Out: 2778.850+/-0.511 χ^2/NDF : 2771131.7/32

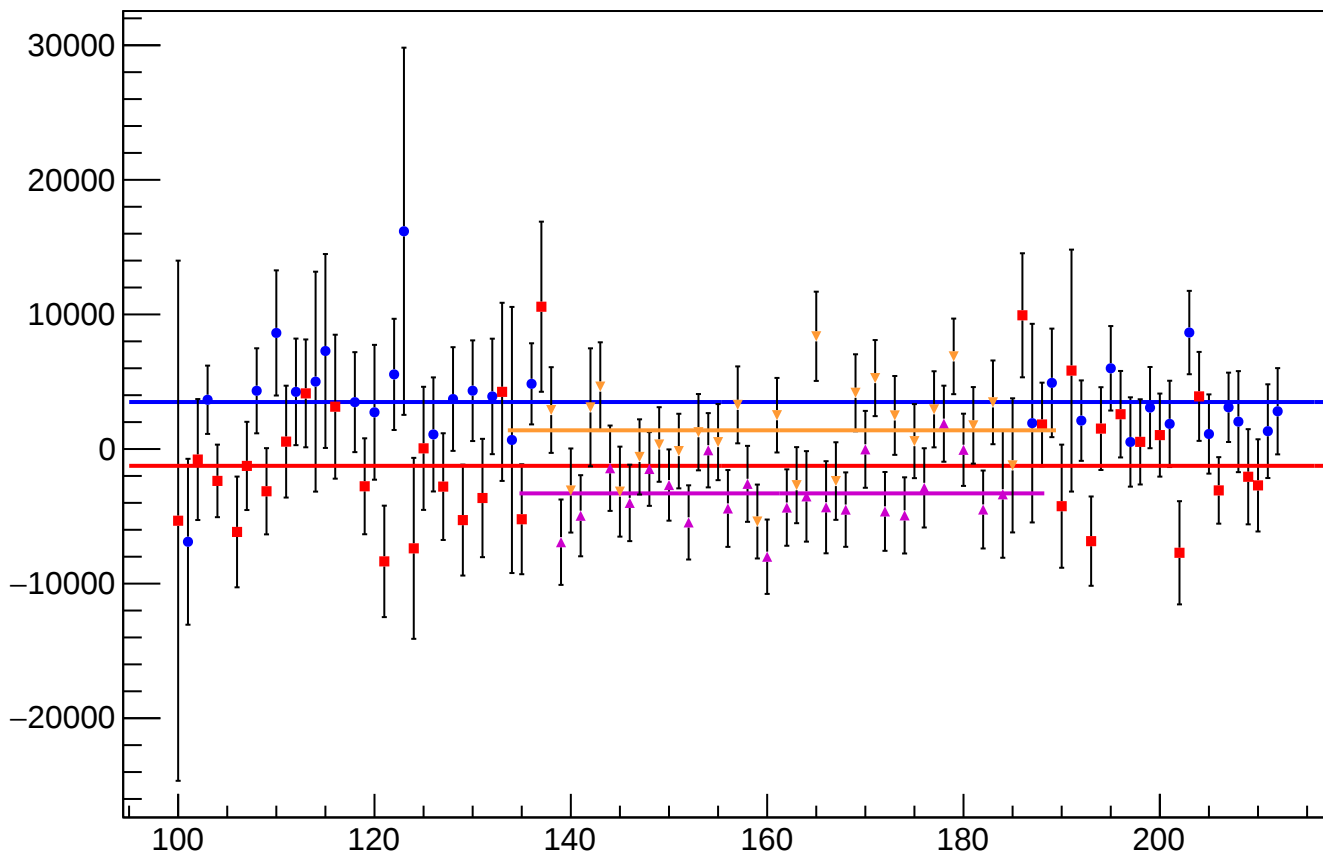
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2980.974+/-0.362 χ^2/NDF : 894316.3/54

All: 2910.649+/-0.253 χ^2/NDF : 3798780.5/11

- sign 2843.442+/-0.354 χ^2/NDF : 2830828.6/55

reg_asym_atr2_mean vs Slug



Right In: 3492.014+/-676.635 χ^2/NDF : 12.4/29

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

Right Out: -1248.507+/-662.052 χ^2/NDF : 35.2/32

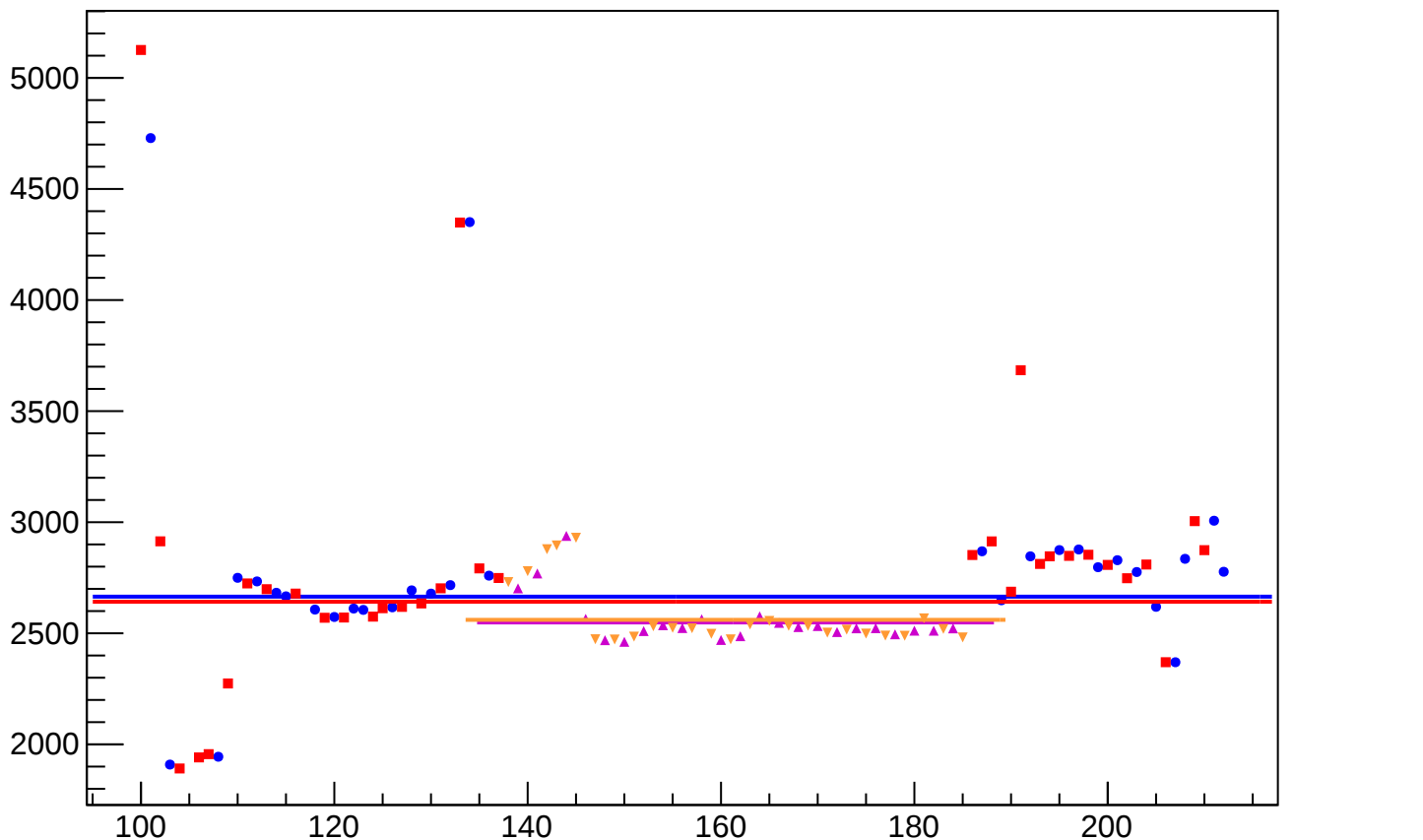
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2309.405+/-447.459 χ^2/NDF : 47.0/54

All: -17.109+/-316.806 χ^2/NDF : 156.4/110

- sign -2355.567+/-448.606 χ^2/NDF : 55.2/55

reg_asym_atr2_rms vs Slug



Right In: 2664.866 $\pm$ 0.478 χ^2 /NDF: 659749.9/29

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

Right Out: 2641.946 $\pm$ 0.468 χ^2 /NDF: 652037.8/32

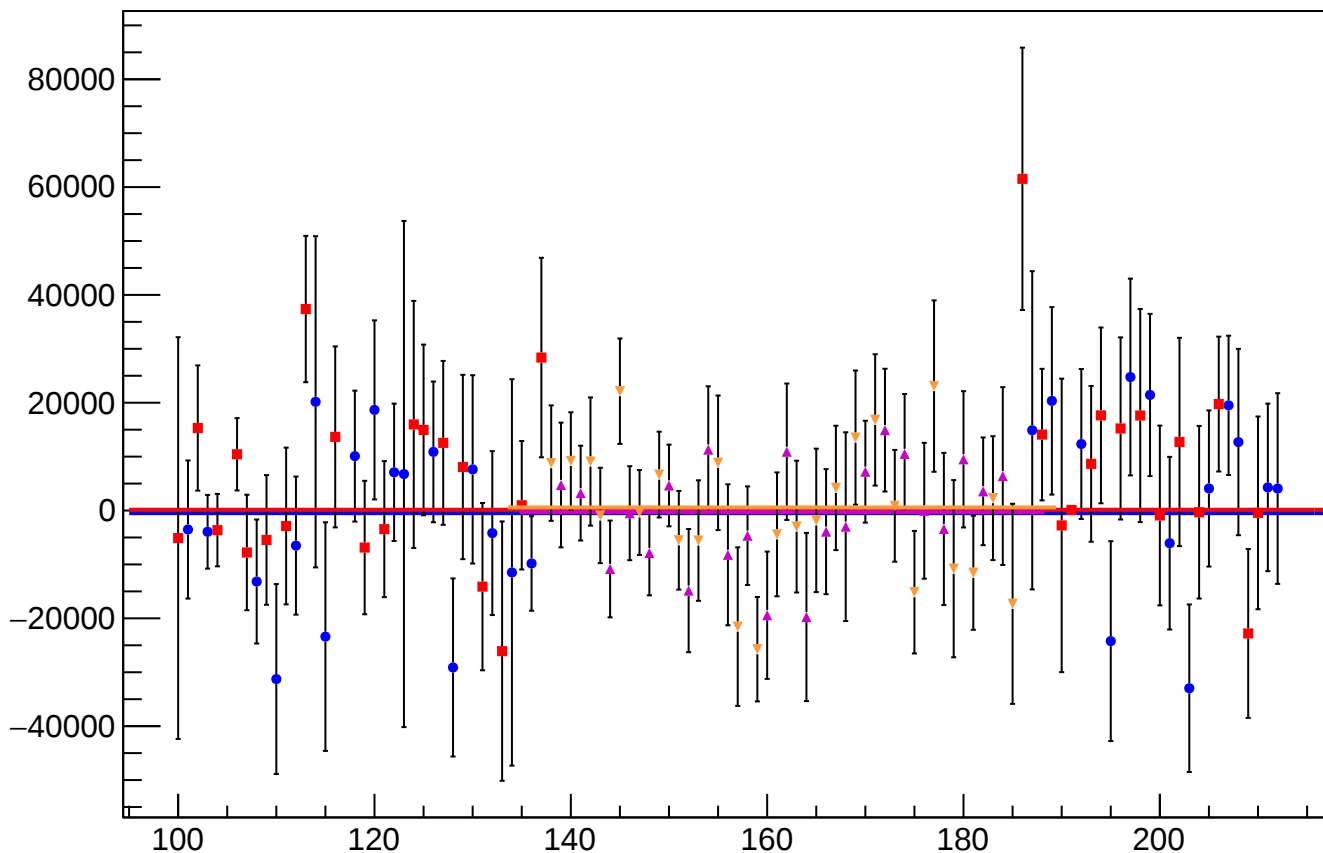
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2606.159 $\pm$ 0.316 χ^2 /NDF: 773278.6/54

All: 2598.901 $\pm$ 0.224 χ^2 /NDF: 1503017.9/11

- sign 2591.605 $\pm$ 0.317 χ^2 /NDF: 728684.2/55

asym_atr2_correction_mean vs Slug



Right In: -481.872 $\pm$ 2625.760 χ^2 /NDF: 30.1/29

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

Right Out: 142.146 $\pm$ 194.916 χ^2 /NDF: 36.2/32

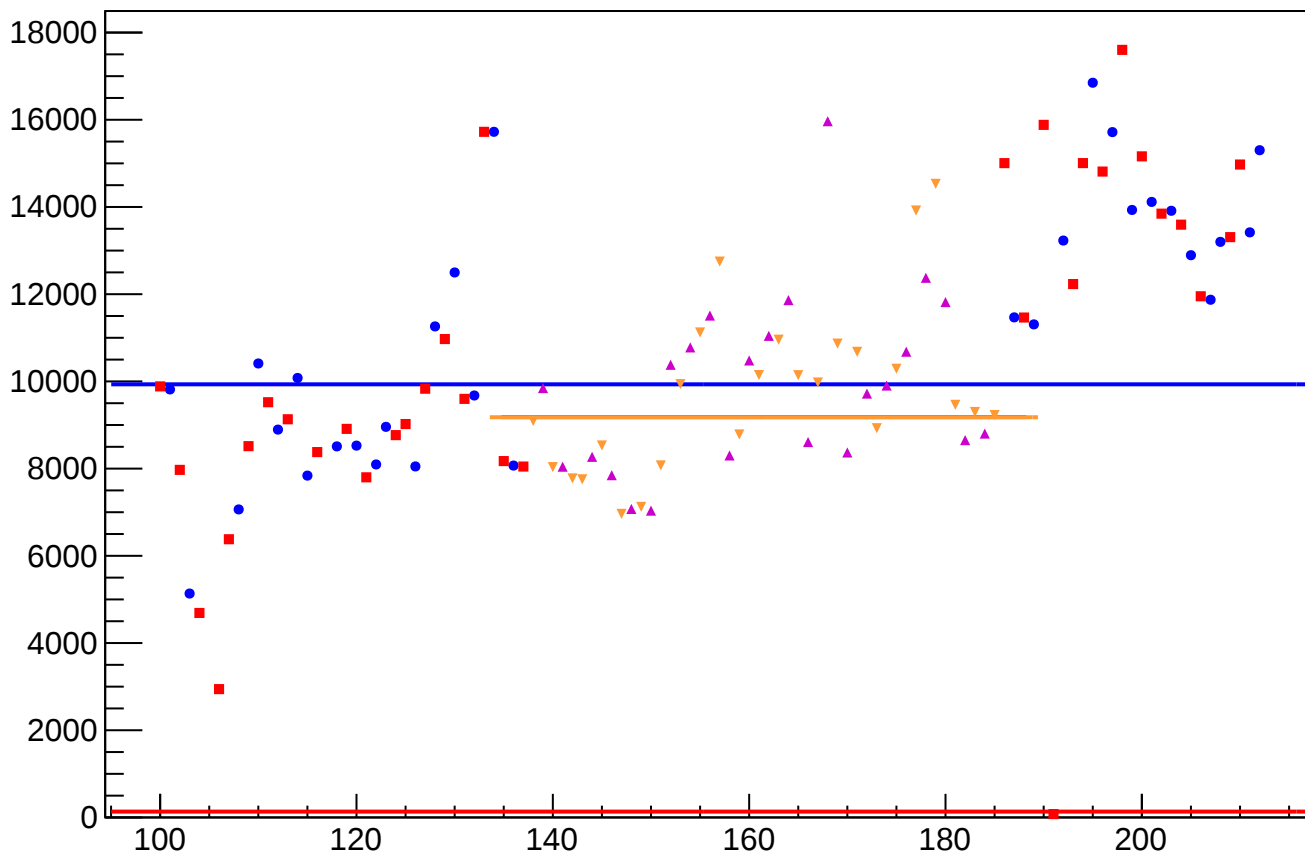
Left In: -275.116 $\pm$ 2242.836 χ^2 /NDF:15.7/22

+ sign 141.243 $\pm$ 1679.265 χ^2 /NDF: 58.5/54

All: 139.048 $\pm$ 192.899 χ^2 /NDF: 110.4/110

- sign 139.019 $\pm$ 194.184 χ^2 /NDF: 51.9/55

asym_atr2_correction_rms vs Slug



Right In: 9933.025+/-1.857 χ^2/NDF : 2973301.7/29

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

Right Out: 134.298+/-0.138 χ^2/NDF : 31371734.1/32

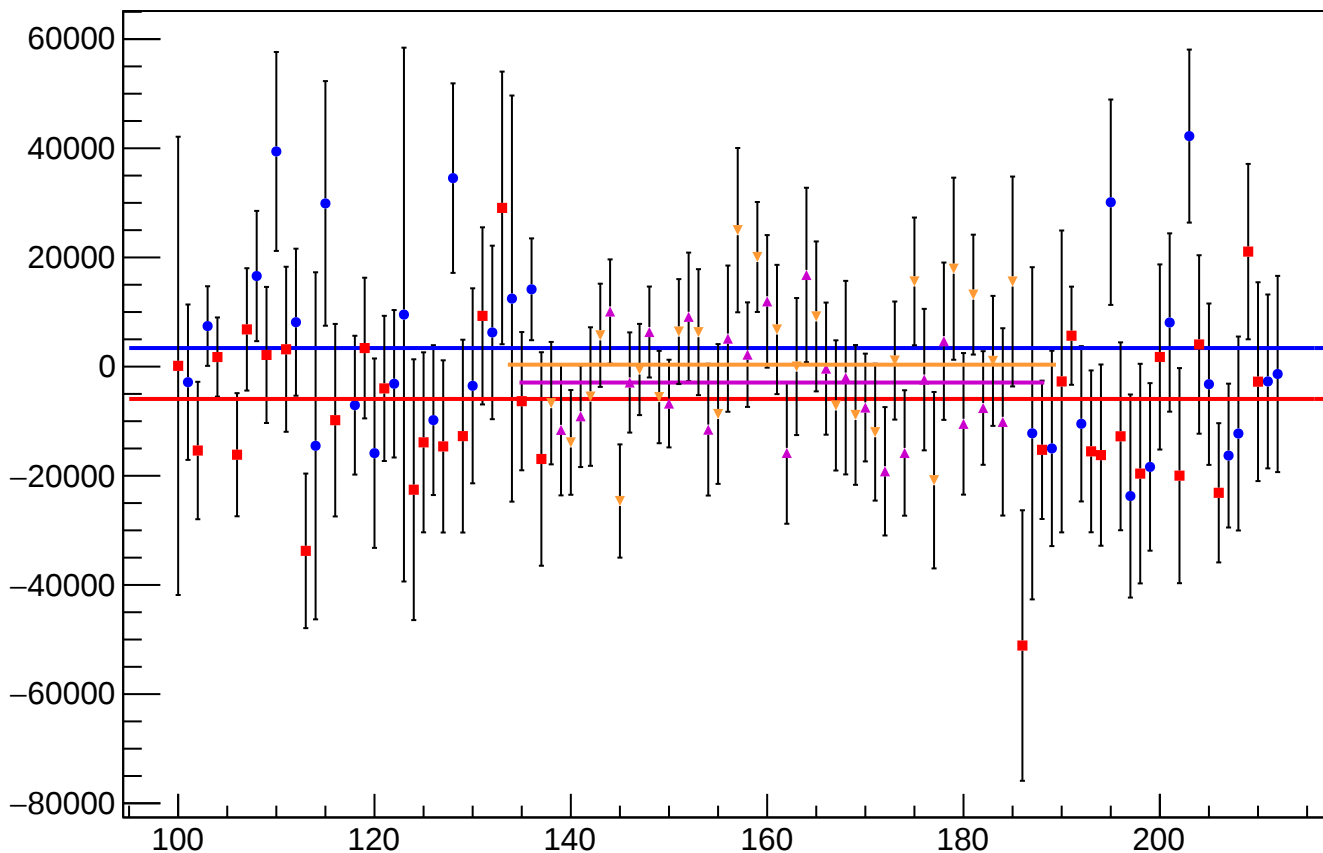
Left In: 9181.254+/-1.586 χ^2/NDF : 1236469.7/22

+ sign 9486.624+/-1.187 χ^2/NDF : 4247308.1/54

All: 324.627+/-0.136 χ^2/NDF : 129484246.3/100

- sign 202.114+/-0.137 χ^2/NDF : 64905941.3/55

asym_atr2_mean vs Slug



Right In: 3402.727 $\pm$ 2742.218 χ^2 /NDF: 33.3/29

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

Right Out: -5922.649 $\pm$ 2518.212 χ^2 /NDF: 26.1/32

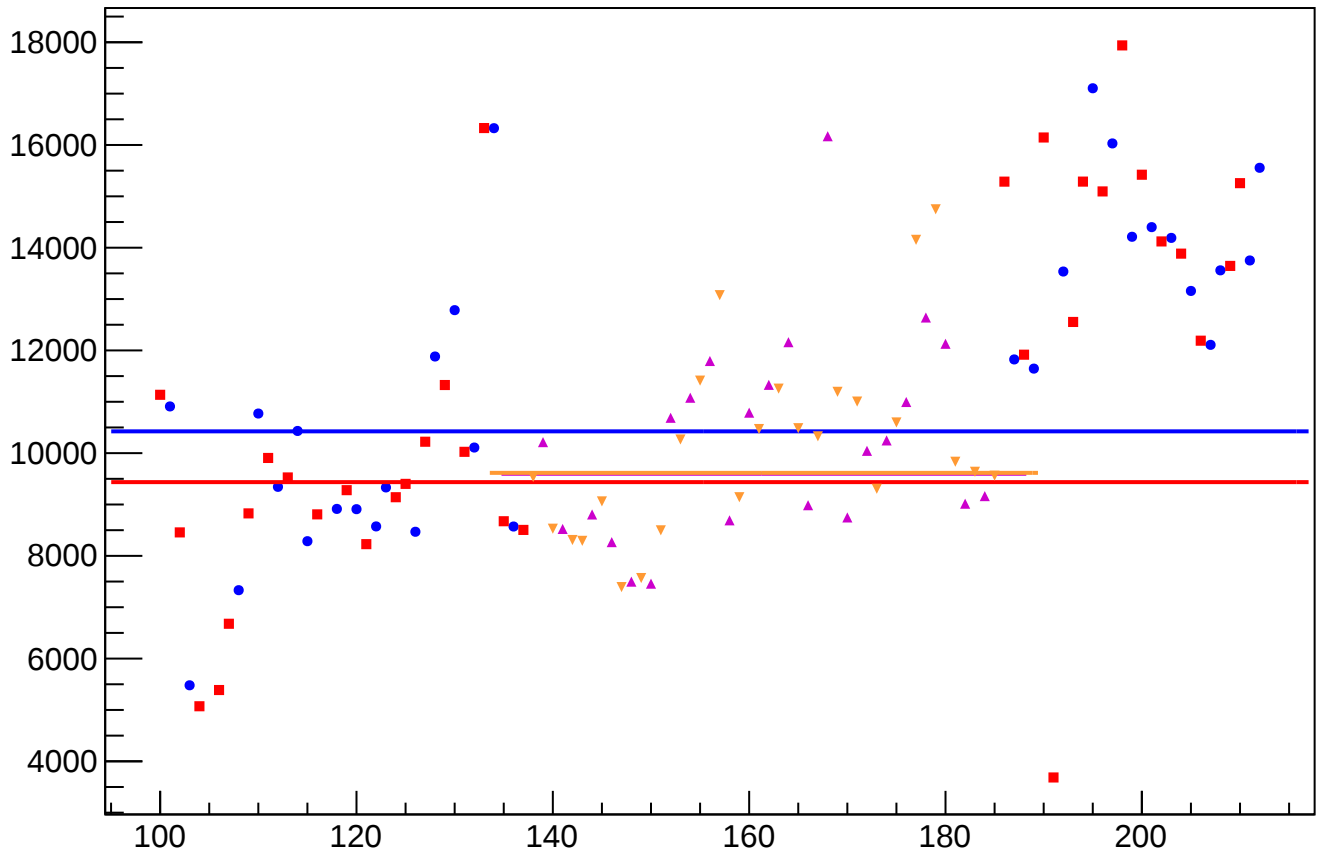
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1602.234 $\pm$ 1753.937 χ^2 /NDF: 60.2/54

All: -1422.429 $\pm$ 1225.699 χ^2 /NDF: 107.9/111

- sign -4309.462 $\pm$ 1713.568 χ^2 /NDF: 41.8/55

asym_atr2_rms vs Slug



Right In: 10424.394+/-1.939 χ^2/NDF : 2699471.9/29

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

Right Out: 9435.707+/-1.781 χ^2/NDF : 4319239.2/32

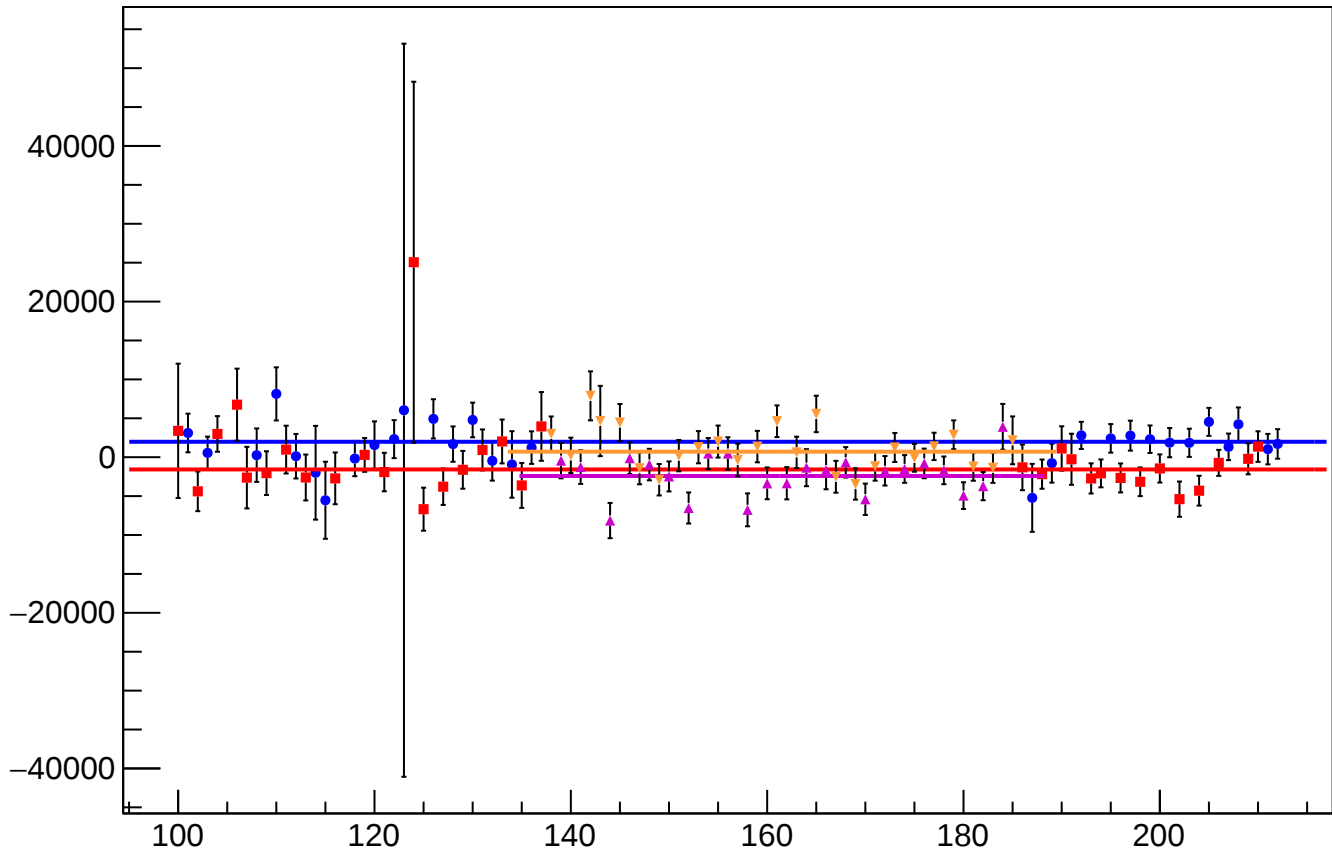
Left In: 9598.531+/-1.654 χ^2/NDF : 1082171.6/22

+ sign 9946.855+/-1.240 χ^2/NDF : 3813779.9/54

All: 9730.060+/-0.867 χ^2/NDF : 9279402.3/11

- sign 9523.135+/-1.212 χ^2/NDF : 5405900.7/55

reg_asym_atl_avg_mean vs Slug



Right In: 1982.198 ± 421.363 χ^2/NDF : 20.7/29

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

Right Out: -1573.169 ± 421.582 χ^2/NDF : 31.3/32

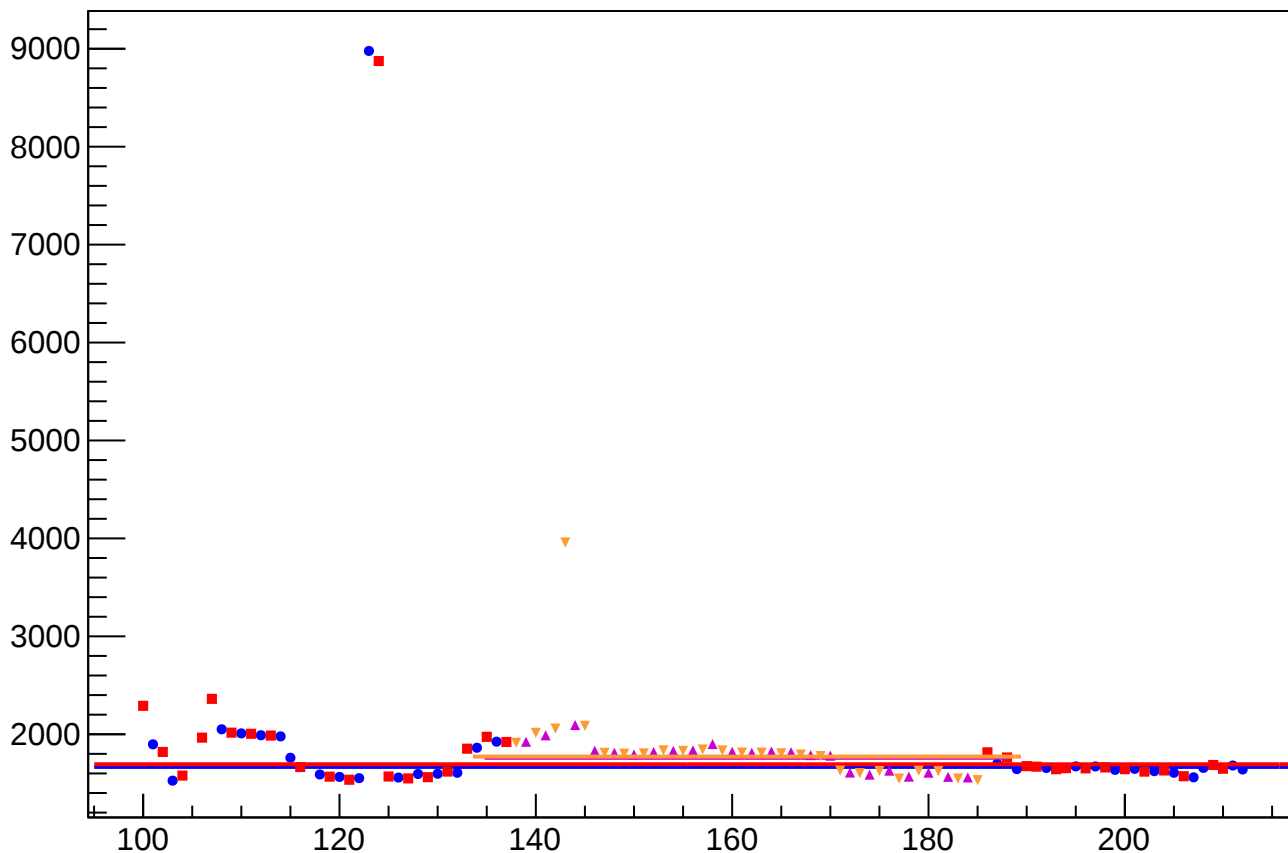
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 1339.914 ± 296.529 χ^2/NDF : 60.1/54

All: -313.544 ± 210.465 χ^2/NDF : 190.0/110

- sign -1992.077 ± 298.769 χ^2/NDF : 67.3/55

reg_asym_atl_avg_rms vs Slug



Right In: 1666.723+/-0.298 χ^2/NDF : 216213.6/29

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

Right Out: 1693.362+/-0.298 χ^2/NDF : 437598.7/32

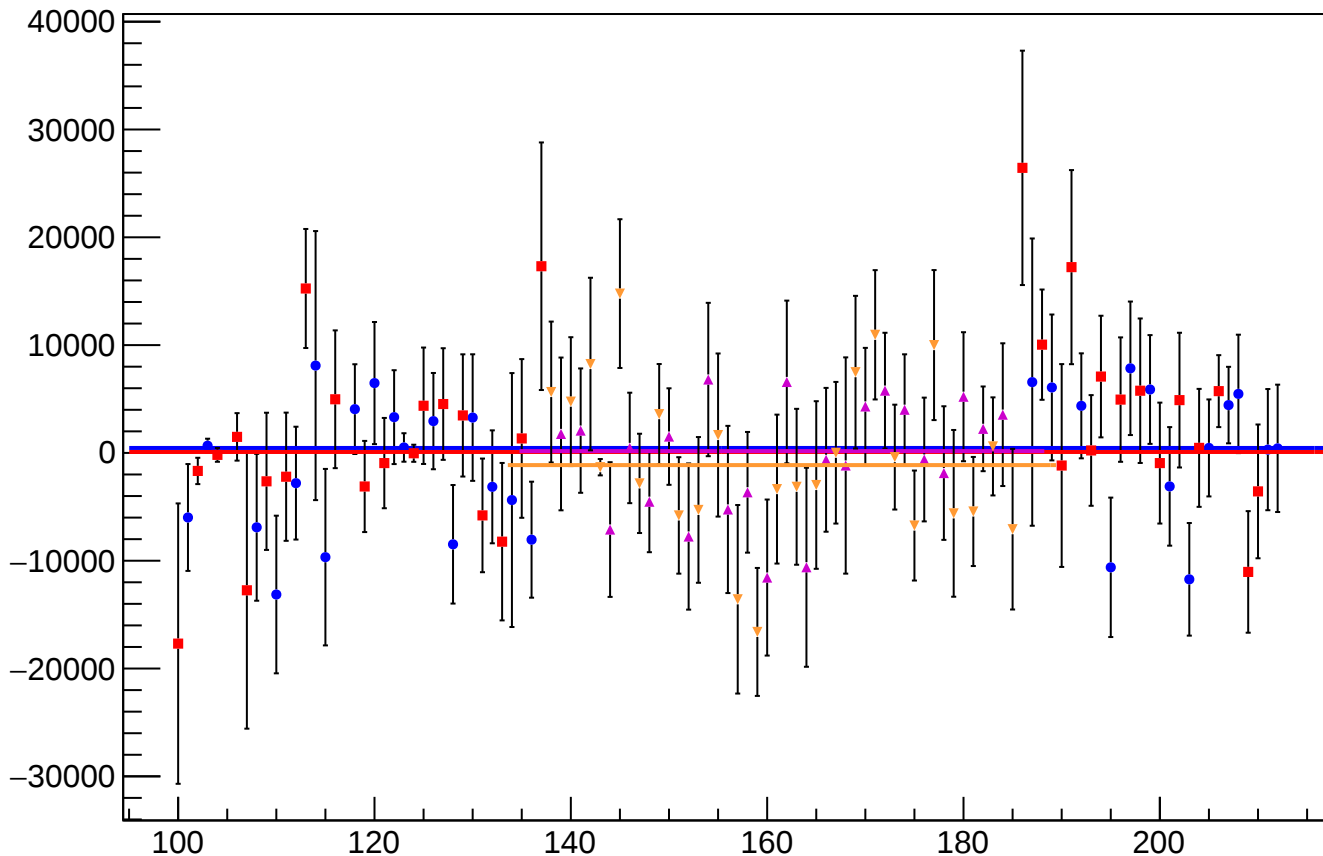
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1719.885+/-0.210 χ^2/NDF : 981757.9/54

All: 1723.058+/-0.149 χ^2/NDF : 1659327.6/111

- sign 1726.274+/-0.211 χ^2/NDF : 677108.5/55

asym_atl_avg_correction_mean vs Slug



Right In: 460.107 $\pm$ 508.205 χ^2 /NDF: 32.4/29

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

Right Out: 87.099 $\pm$ 417.132 χ^2 /NDF: 45.2/32

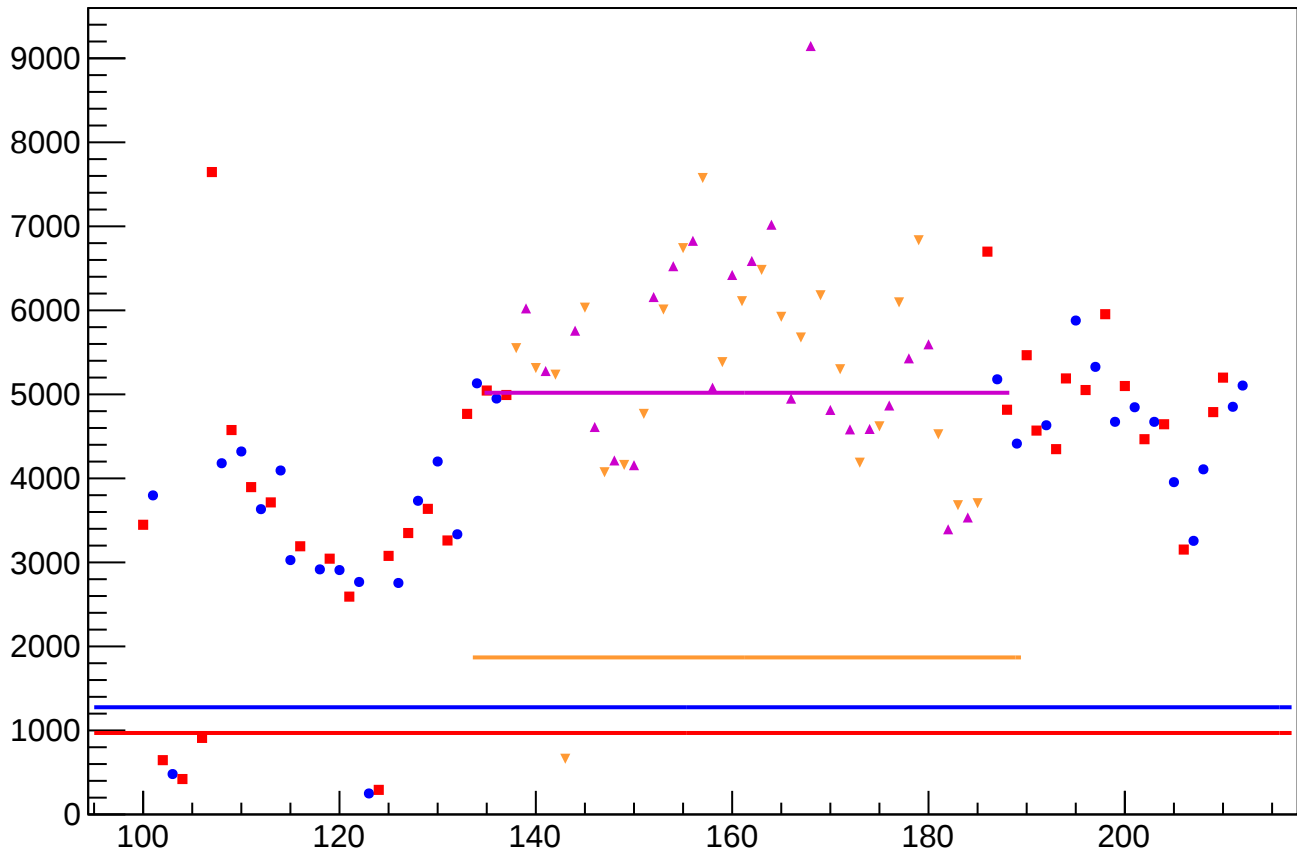
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -145.849 $\pm$ 399.798 χ^2 /NDF: 67.6/54

All: -23.786 $\pm$ 281.029 χ^2 /NDF: 127.1/110

- sign 95.433 $\pm$ 395.113 χ^2 /NDF: 59.4/55

asym_atl_avg_correction_rms vs Slug



Right In: 1275.933+/-0.359 χ^2/NDF : 18855201.2/29

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

Right Out: 969.795+/-0.295 χ^2/NDF : 21139257.9/32

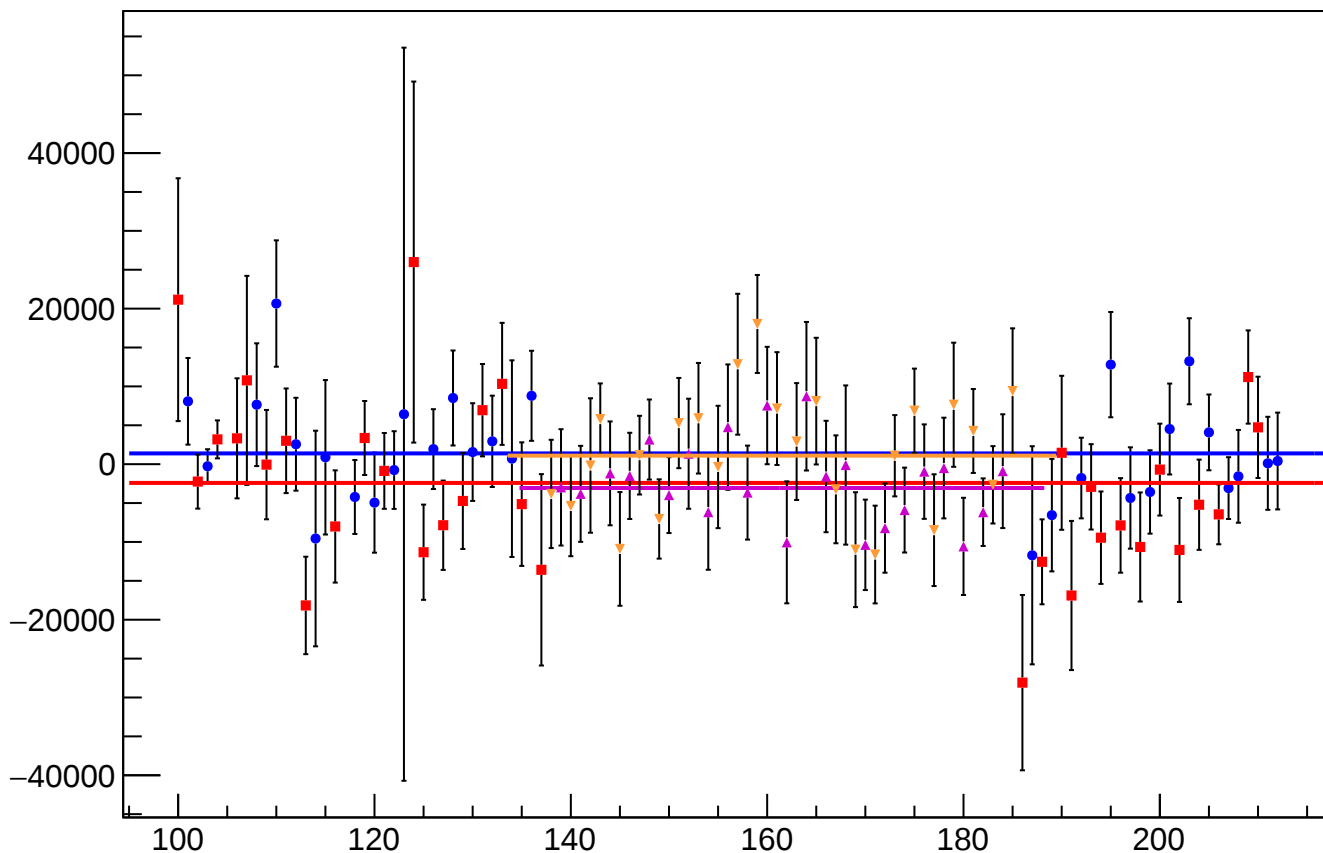
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

+ sign 1501.959+/-0.283 χ^2/NDF : 39745629.2/54

All: 1443.299+/-0.199 χ^2/NDF : 81911236.1/100

- sign 1386.005+/-0.279 χ^2/NDF : 42080496.9/55

asym_atl_avg_mean vs Slug



Right In: 1384.451+/-1014.973 χ^2/NDF : 28.3/29

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

Right Out: -2411.375+/-1013.607 χ^2/NDF : 53.1/32

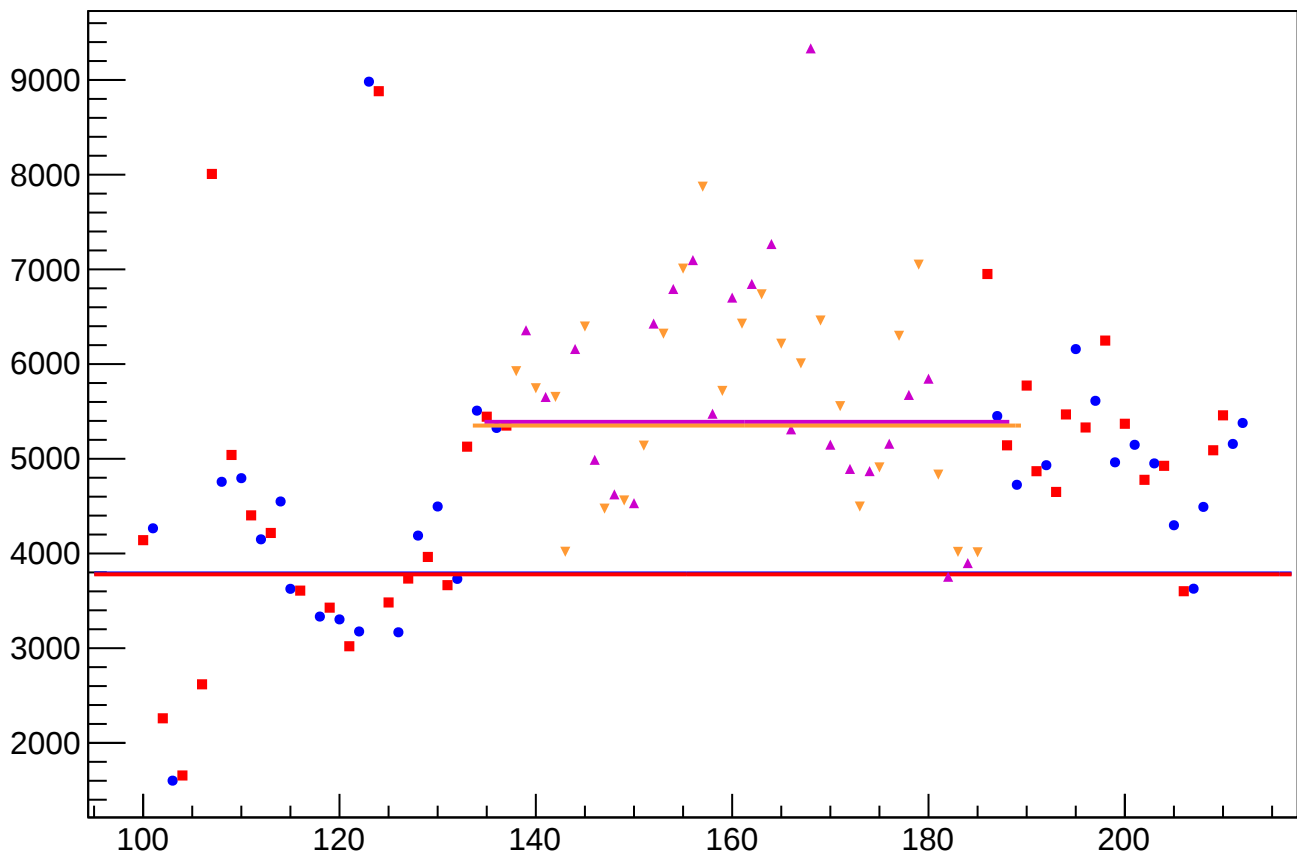
Left In: -3064.775+/-1318.173 χ^2/NDF :12.6/22

+ sign 1271.705+/-793.629 χ^2/NDF : 60.2/54

All: -666.921+/-564.645 χ^2/NDF : 138.2/110

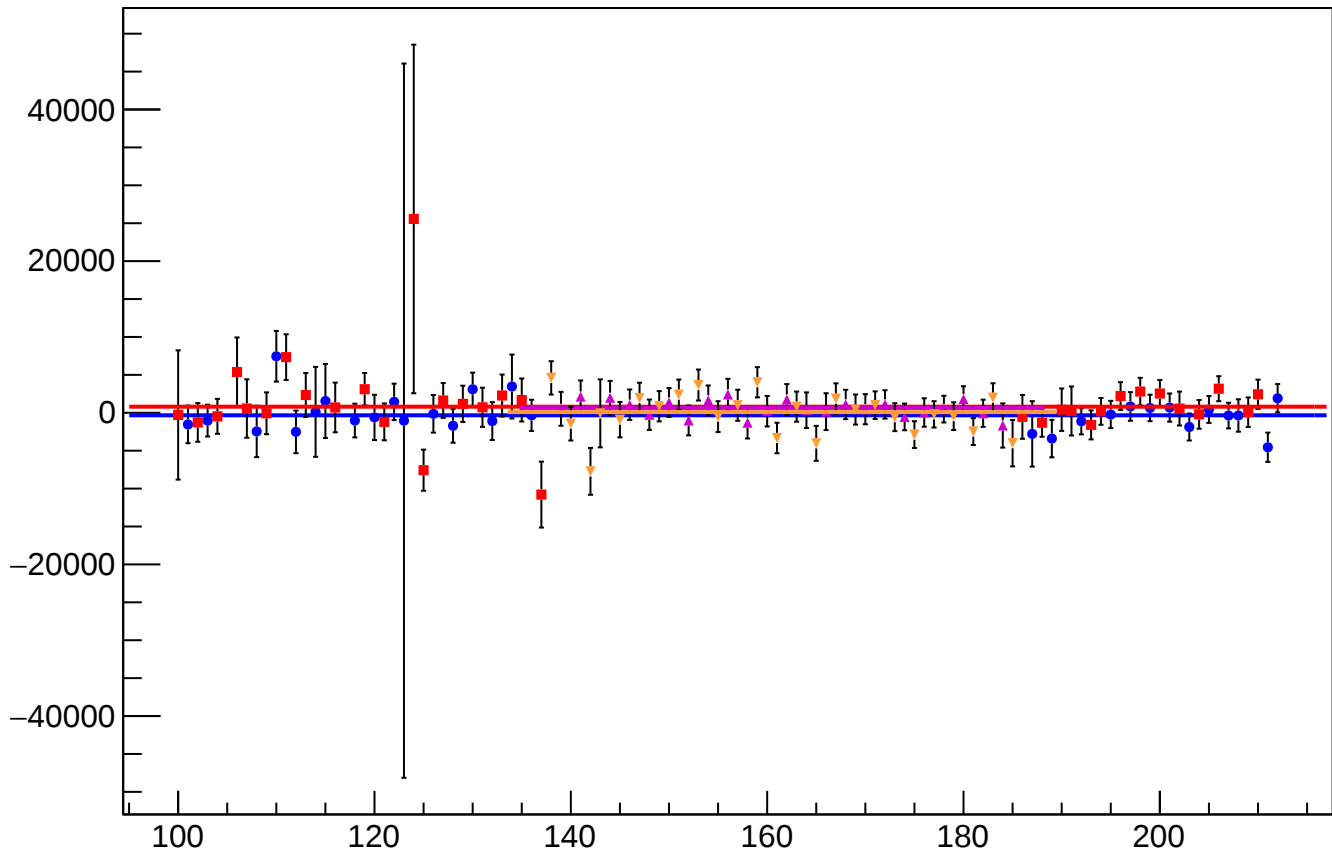
- sign -2654.162+/-803.519 χ^2/NDF : 65.9/55

asym_atl_avg_rms vs Slug



Right In: 3789.263+/-0.718	χ^2/NDF : 3553855.4/29	+ sign 4396.074+/-0.561	χ^2/NDF : 6634982.2/54
Left Out: 5350.804+/-0.900	χ^2/NDF : 1241497.9/24	All: 4383.734+/-0.398	χ^2/NDF : 13937123.8/1
Right Out: 3779.885+/-0.710	χ^2/NDF : 4104067.3/32	- sign 4371.229+/-0.565	χ^2/NDF : 7301168.0/55
Left In: 5389.724+/-0.932	χ^2/NDF : 1309863.0/22		

reg_asym_atl_dd_mean vs Slug



Right In: -332.926 ± 415.503 χ^2/NDF : 21.5/29

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

Right Out: 803.273 ± 415.456 χ^2/NDF : 36.5/32

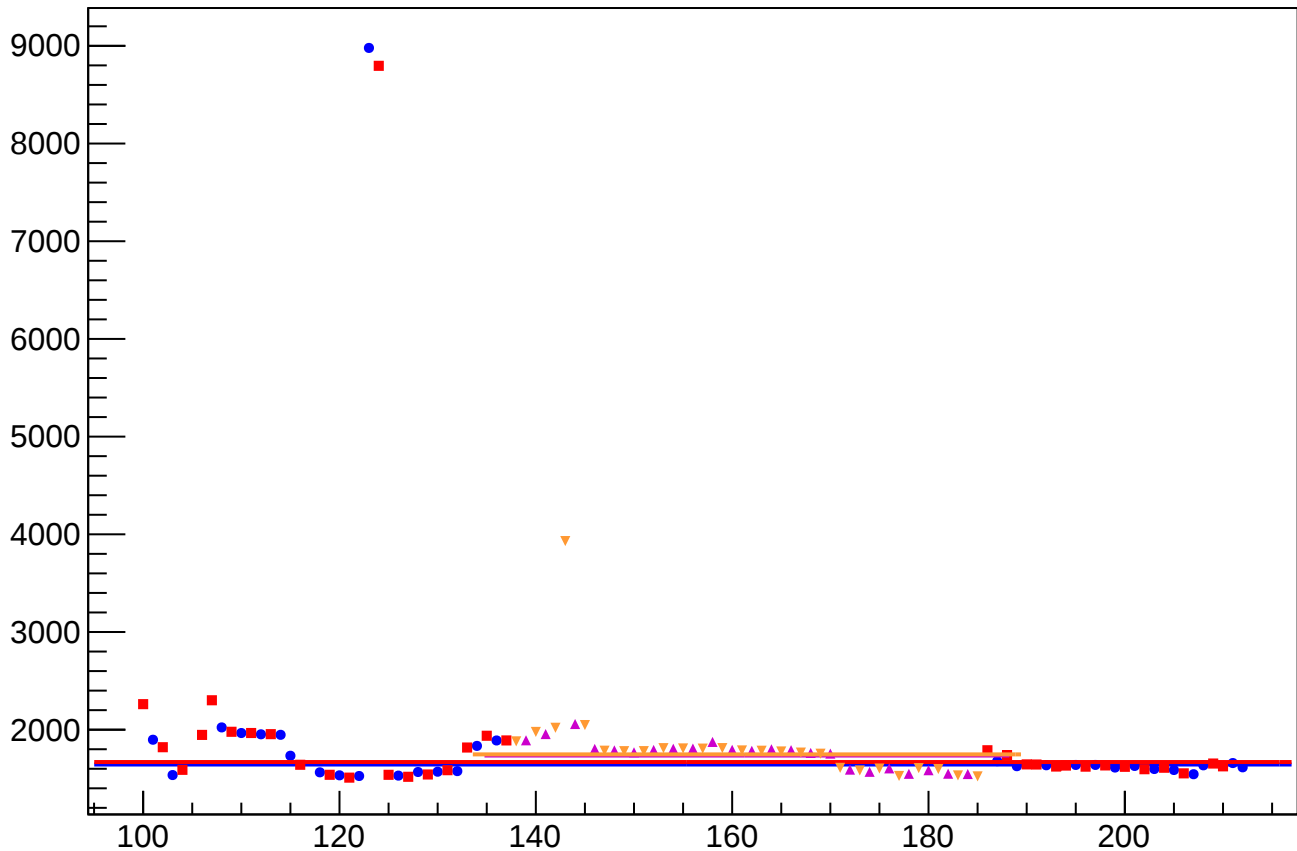
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -121.343 ± 292.390 χ^2/NDF : 58.1/54

All: 297.327 ± 207.508 χ^2/NDF : 105.0/110

- sign 722.182 ± 294.543 χ^2/NDF : 42.8/55

reg_asym_atl_dd_rms vs Slug



Right In: 1643.608 $\pm$ 0.294 χ^2 /NDF: 213568.5/29

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

Right Out: 1669.004 $\pm$ 0.293 χ^2 /NDF: 433338.2/32

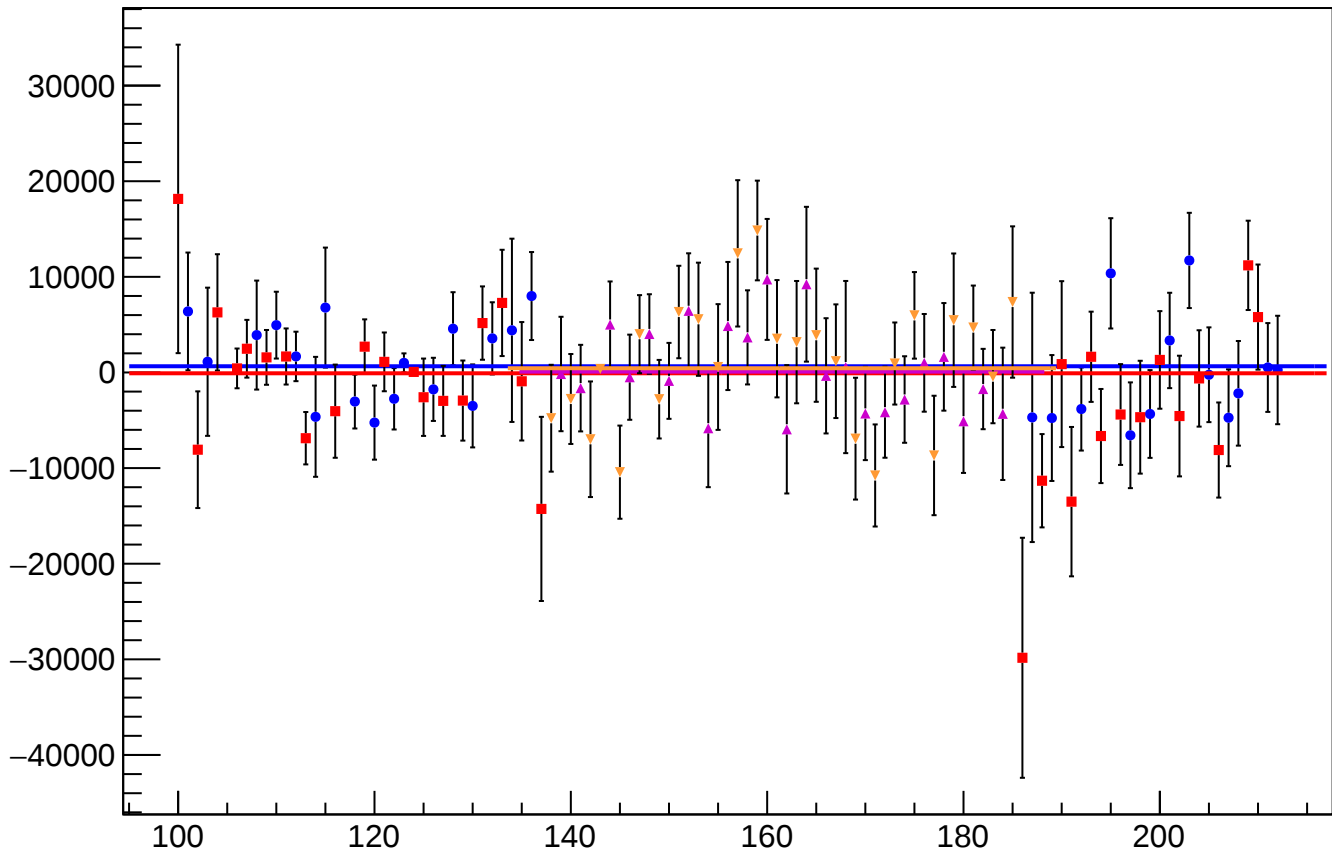
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1695.962 $\pm$ 0.207 χ^2 /NDF: 974662.3/54

All: 1698.982 $\pm$ 0.147 χ^2 /NDF: 1640754.2/11

- sign 1702.040 $\pm$ 0.208 χ^2 /NDF: 665662.6/55

asym_atl_dd_correction_mean vs Slug



Right In: 649.434 $\pm$ 636.956 χ^2 /NDF: 29.9/29

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

Right Out: -85.399 $\pm$ 347.439 χ^2 /NDF: 48.1/32

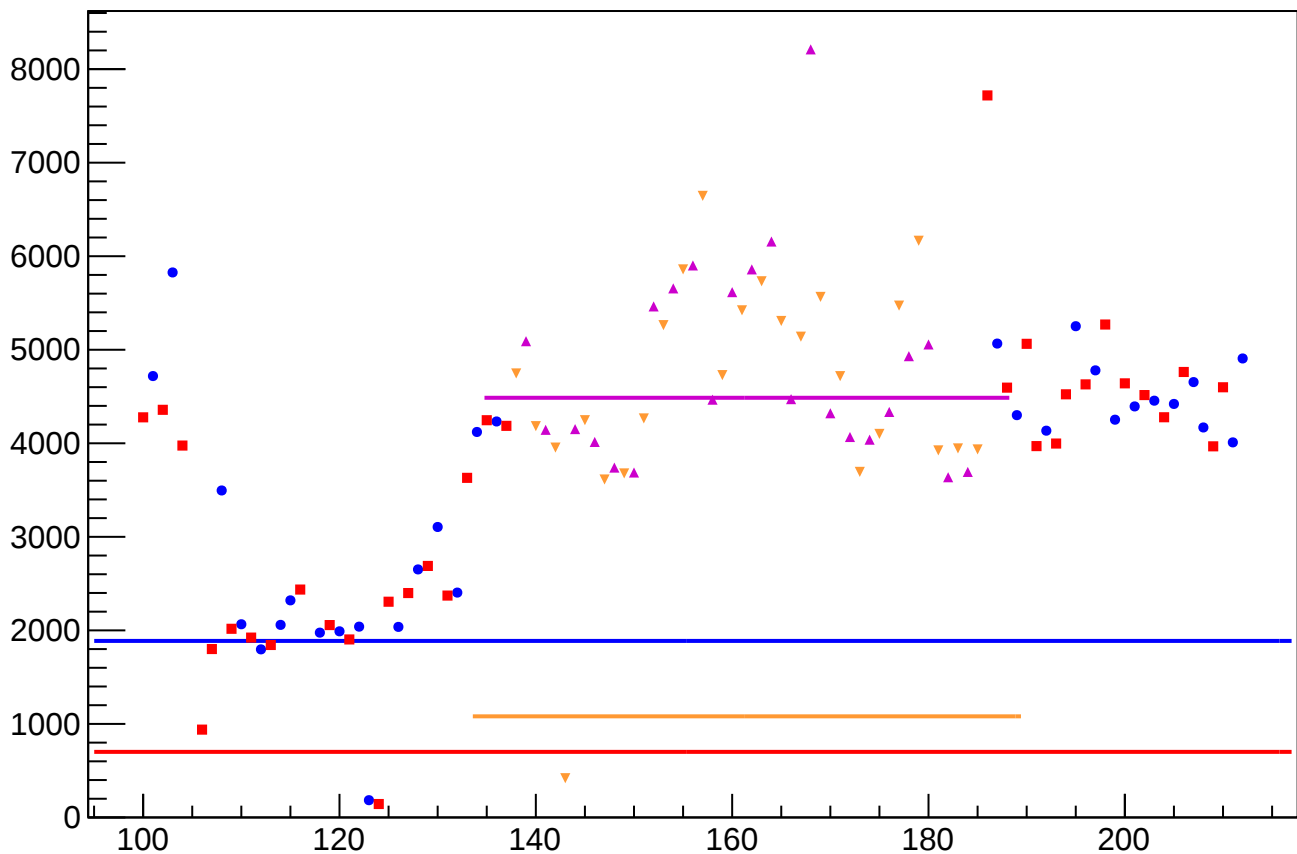
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 509.205 $\pm$ 362.208 χ^2 /NDF: 63.9/54

All: 194.000 $\pm$ 244.408 χ^2 /NDF: 126.9/110

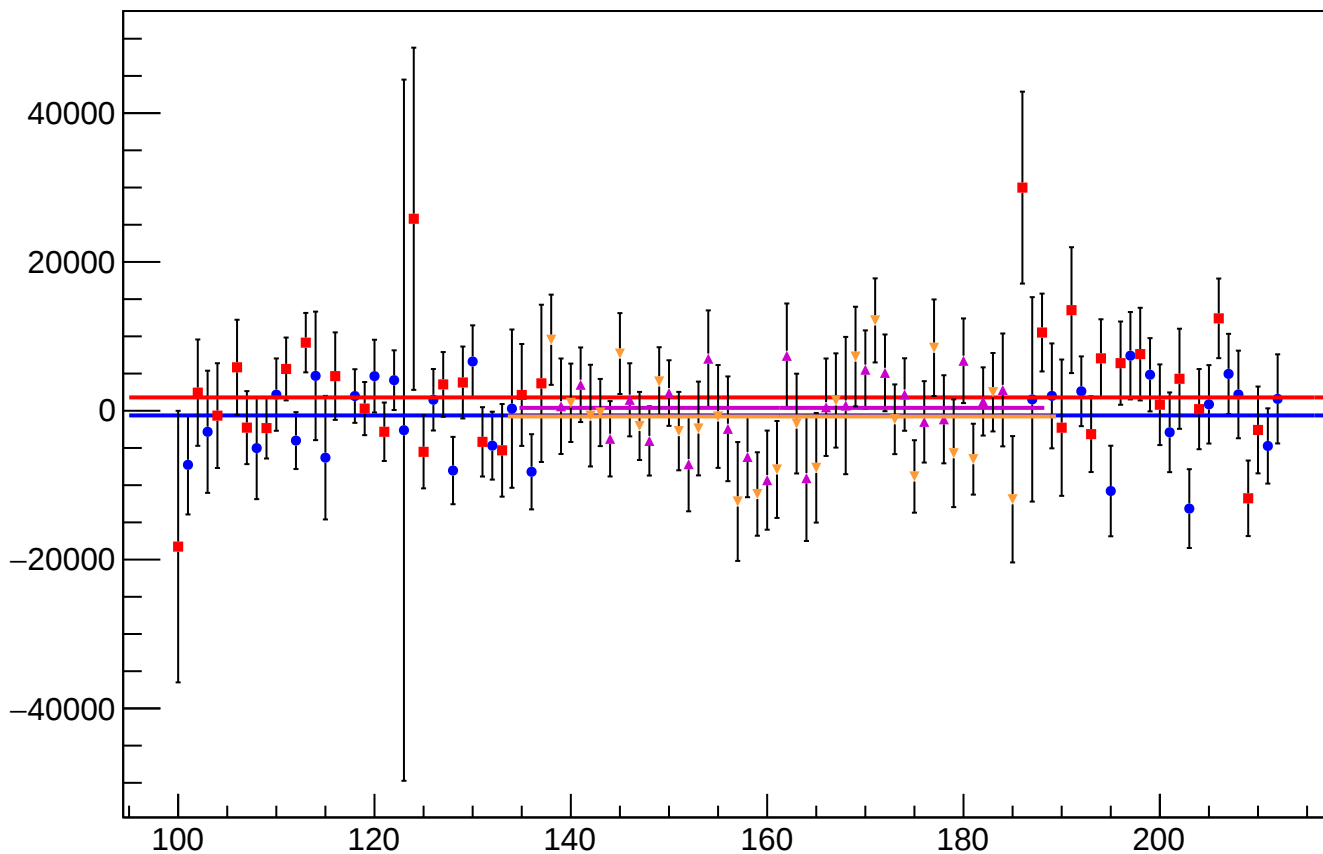
- sign -69.488 $\pm$ 331.164 χ^2 /NDF: 61.6/55

asym_atl_dd_correction_rms vs Slug



Right In: 1887.312 $\pm$ 0.450	χ^2 /NDF: 14085131.9/29	+ sign 1341.739 $\pm$ 0.256	χ^2 /NDF: 40709903.2/54
Left Out: 1081.004 $\pm$ 0.311	χ^2 /NDF: 24456244.2/24	All: 1181.477 $\pm$ 0.173	χ^2 /NDF: 88709072.9/1
Right Out: 701.174 $\pm$ 0.246	χ^2 /NDF: 24377653.7/32	- sign 1047.509 $\pm$ 0.234	χ^2 /NDF: 47280332.3/55
Left In: 4486.570 $\pm$ 0.774	χ^2 /NDF: 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -626.802 ± 985.594 χ^2/NDF : 29.2/29

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

Right Out: 1793.169 ± 955.220 χ^2/NDF : 41.2/32

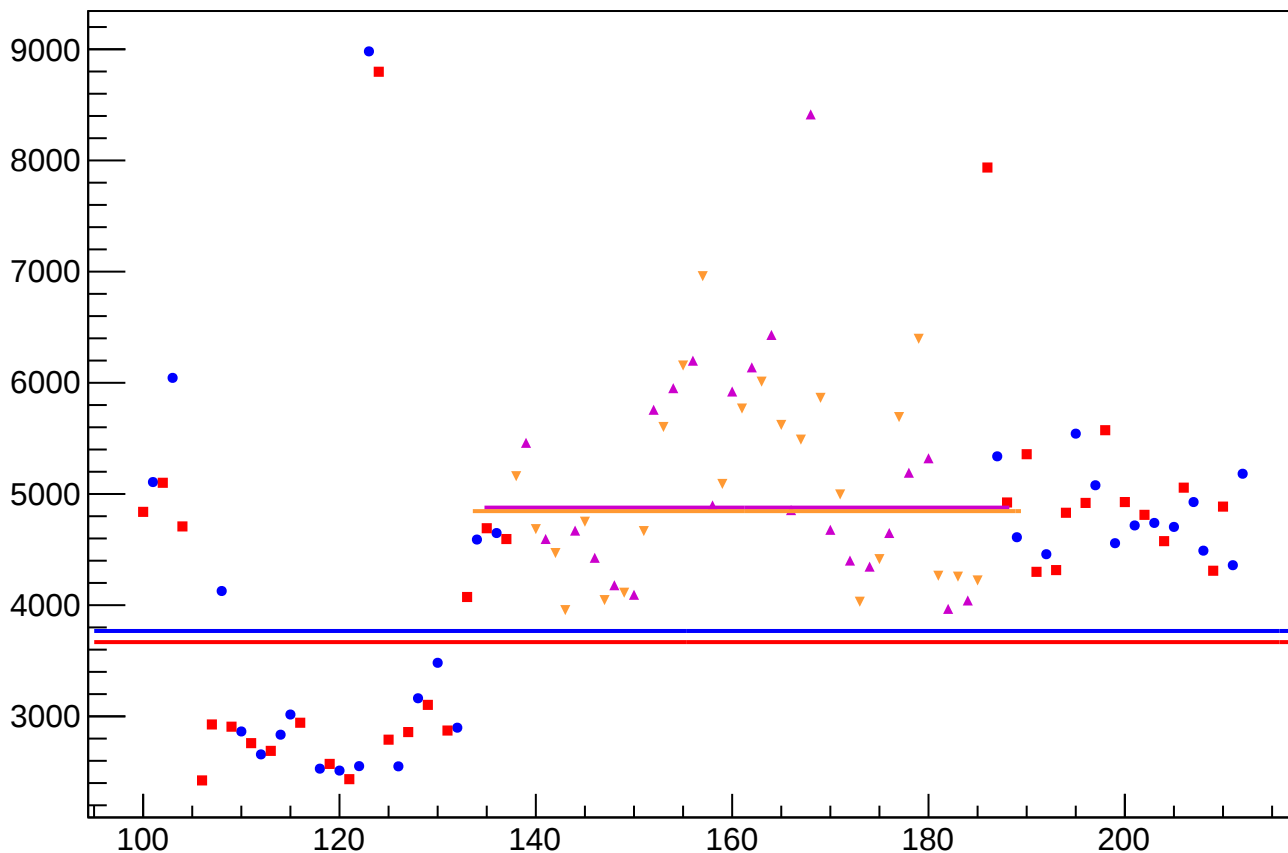
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -685.907 ± 747.632 χ^2/NDF : 59.1/54

All: 282.146 ± 527.369 χ^2/NDF : 118.7/110

- sign 1240.835 ± 744.007 χ^2/NDF : 56.2/55

asym_atl_dd_rms vs Slug



Right In: 3767.883 $\pm$ 0.697 χ^2 /NDF: 2329968.3/29

Left Out: 4845.779 $\pm$ 0.811 χ^2 /NDF: 909173.9/24

Right Out: 3667.784 $\pm$ 0.670 χ^2 /NDF: 2702922.7/32

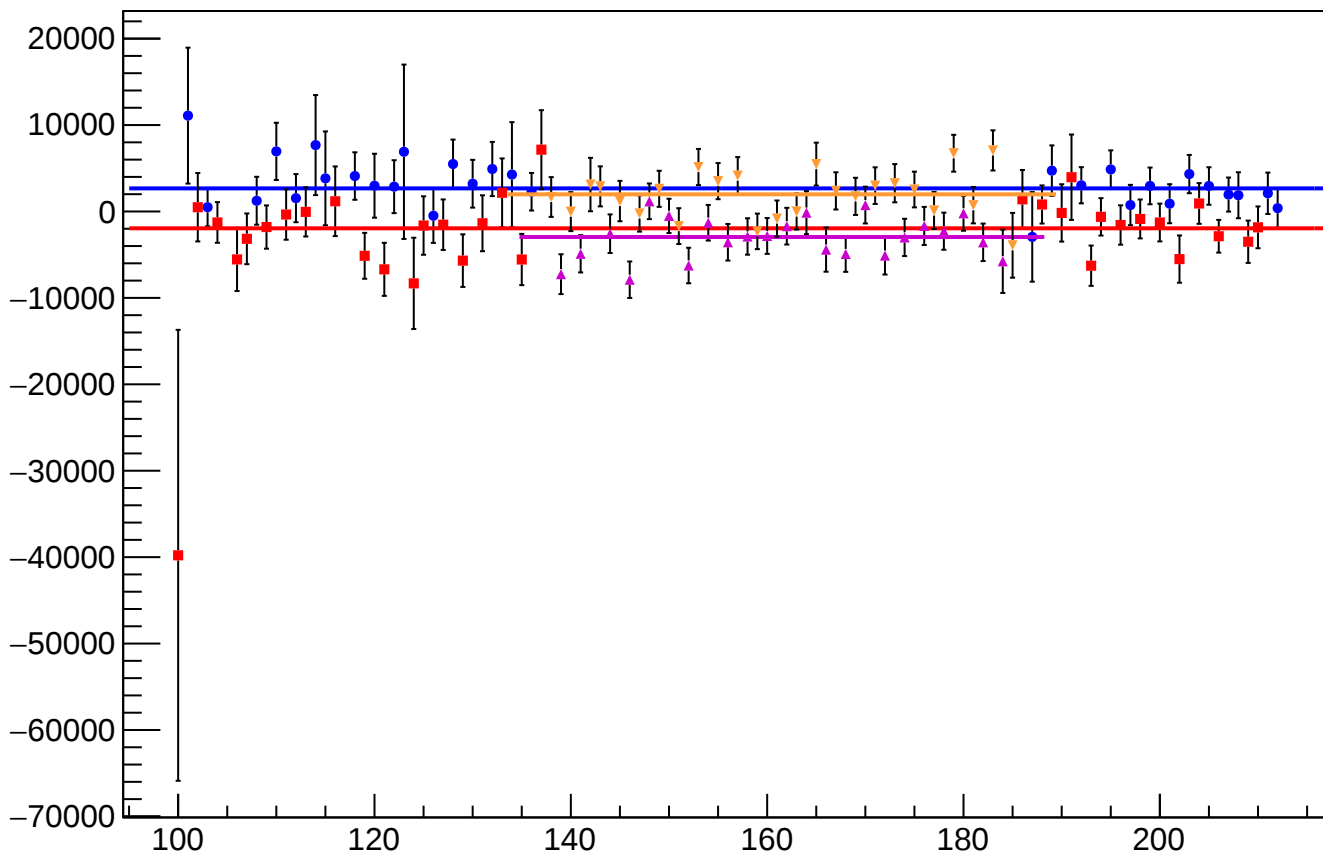
Left In: 4877.456 $\pm$ 0.839 χ^2 /NDF: 958623.2/22

+ sign 4225.543 $\pm$ 0.529 χ^2 /NDF: 4254818.9/54

All: 4181.810 $\pm$ 0.372 χ^2 /NDF: 9199547.2/11

- sign 4138.926 $\pm$ 0.524 χ^2 /NDF: 4931174.5/55

reg_asym_atr_avg_mean vs Slug



Right In: 2671.236 $\pm$ 498.466 χ^2 /NDF: 14.0/29

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

Right Out: -1947.371 $\pm$ 489.868 χ^2 /NDF: 30.7/32

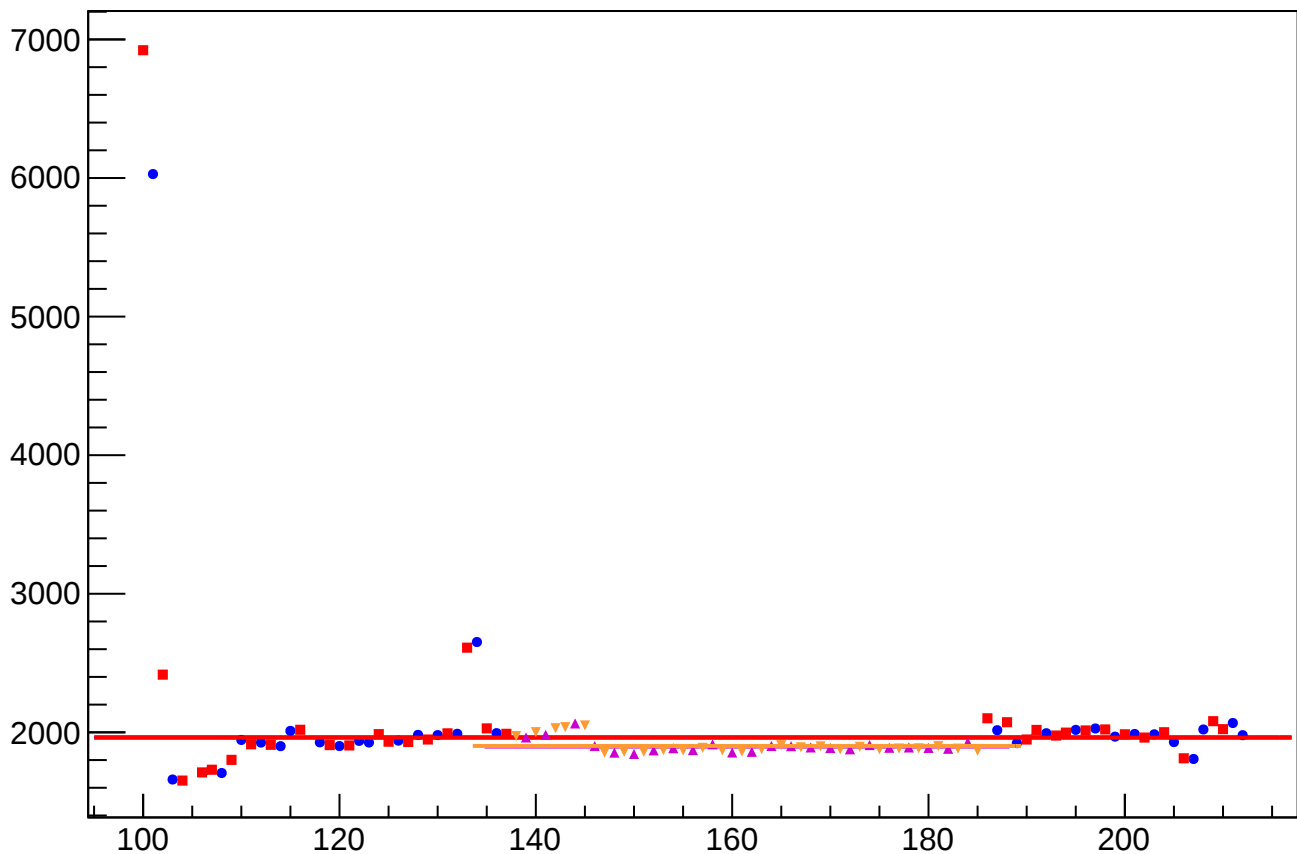
Left In: -2955.900 $\pm$ 454.551 χ^2 /NDF: 28.4/22

+ sign 2288.235 $\pm$ 331.208 χ^2 /NDF: 47.5/54

All: -86.192 $\pm$ 234.902 χ^2 /NDF: 212.3/110

- sign -2489.298 $\pm$ 333.202 χ^2 /NDF: 61.4/55

reg_asym_atr_avg_rms vs Slug



Right In: 1963.679+/-0.352 χ^2/NDF : 639772.9/29

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

Right Out: 1961.824+/-0.346 χ^2/NDF : 253689.5/32

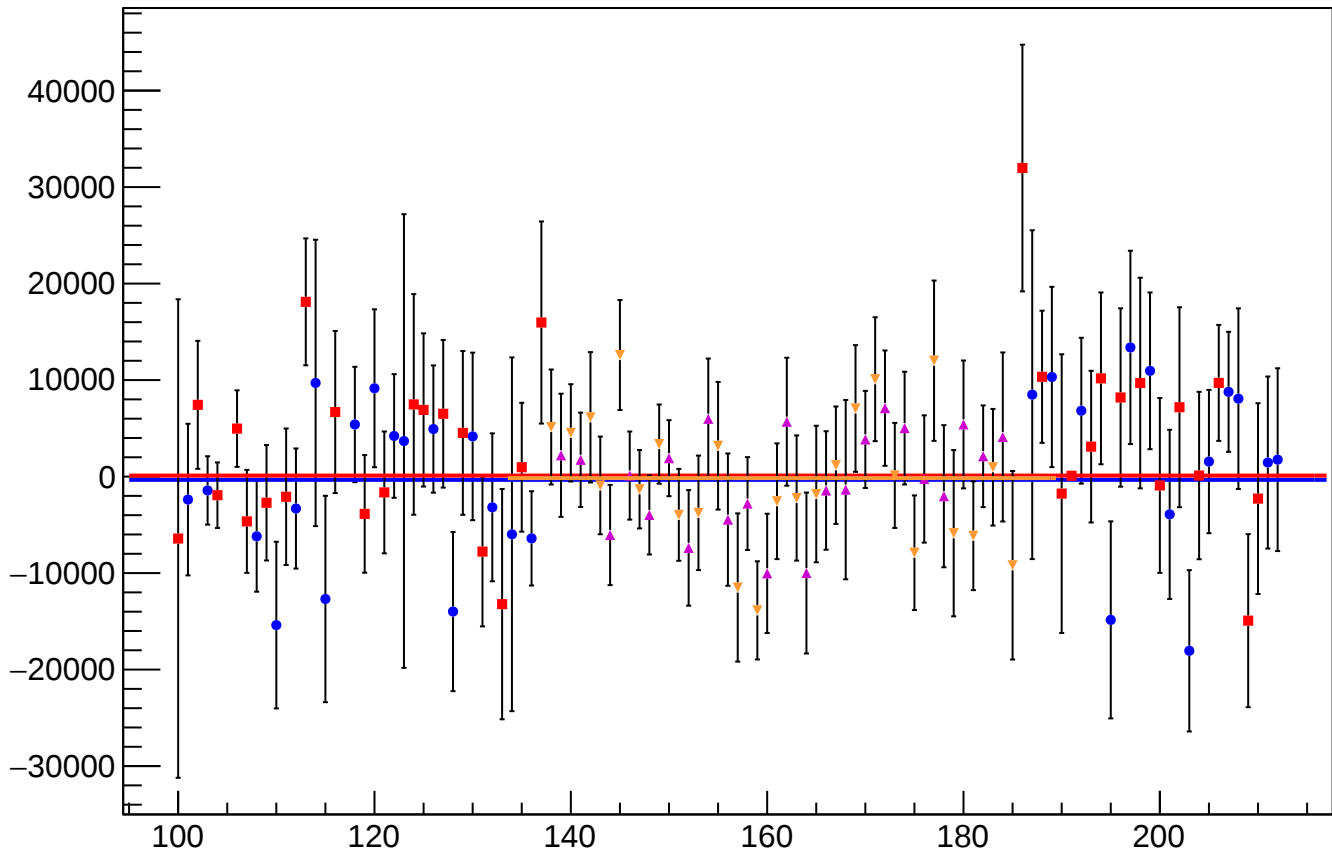
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1929.167+/-0.234 χ^2/NDF : 687386.8/54

All: 1928.223+/-0.166 χ^2/NDF : 980864.8/110

- sign 1927.269+/-0.235 χ^2/NDF : 293445.3/55

asym_atr_avg_correction_mean vs Slug



Right In: -336.960 ± 1368.035 χ^2/NDF : 30.5/29

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

Right Out: 103.538 ± 109.537 χ^2/NDF : 37.0/32

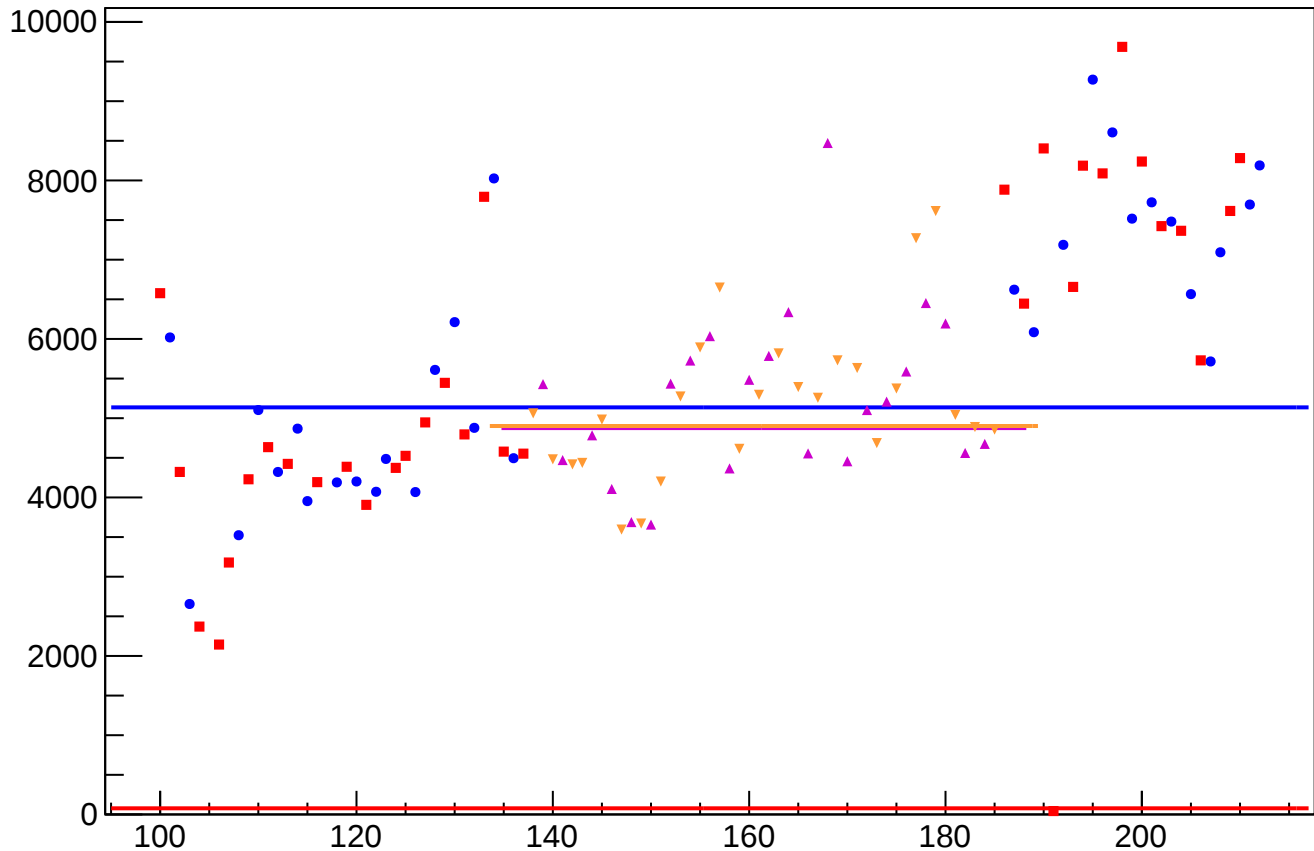
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -233.023 ± 887.337 χ^2/NDF : 60.1/54

All: 96.524 ± 108.261 χ^2/NDF : 111.9/110

- sign 101.503 ± 109.076 χ^2/NDF : 51.7/55

asym_atr_avg_correction_rms vs Slug



Right In: 5136.547 $\pm$ 0.967 χ^2 /NDF: 3339320.8/29

Left Out: 4901.357 $\pm$ 0.824 χ^2 /NDF:1136916.0/24

Right Out: 77.507 $\pm$ 0.077 χ^2 /NDF: 31397110.5/32

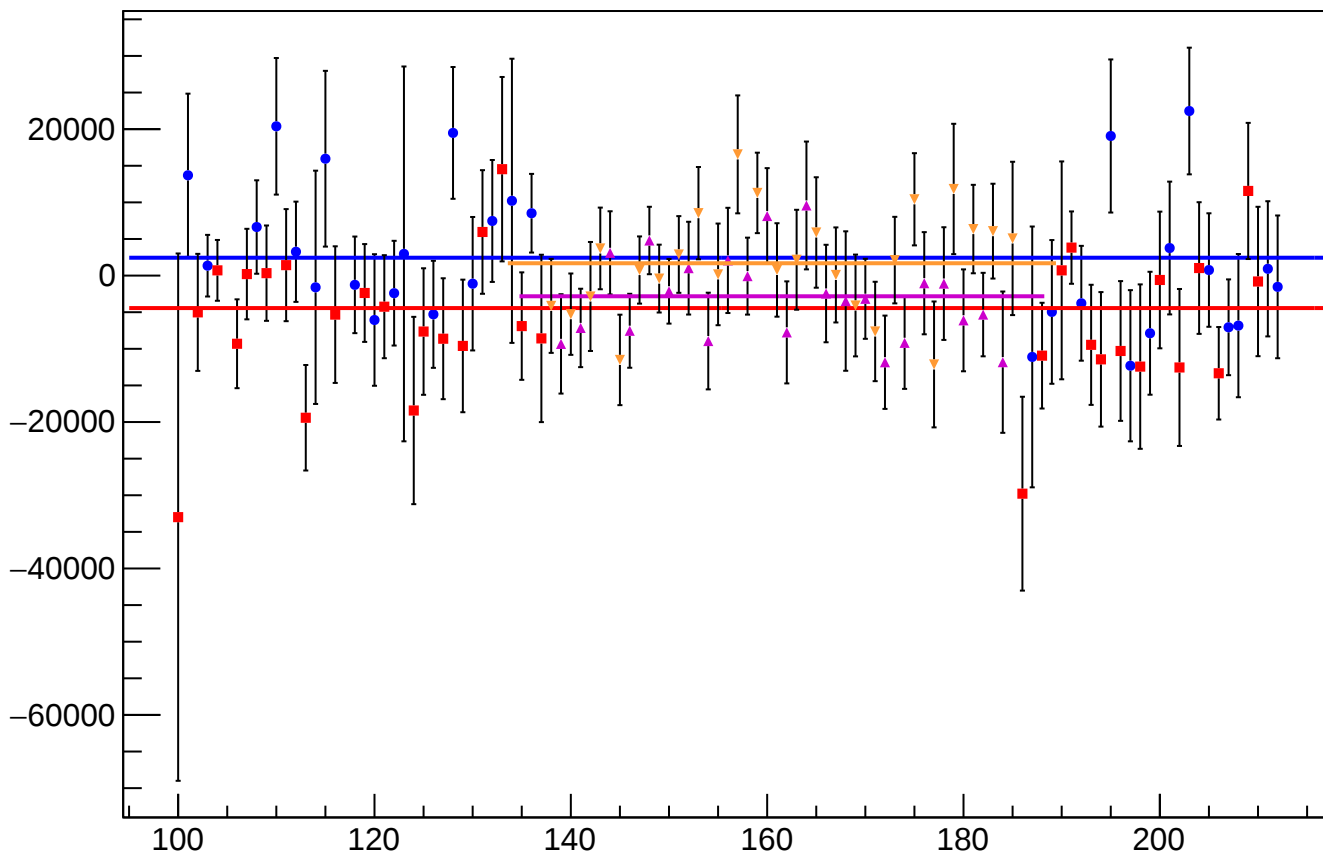
Left In: 4875.112 $\pm$ 0.842 χ^2 /NDF:1229198.0/22

+ sign 5000.303 $\pm$ 0.627 χ^2 /NDF: 4510479.5/54

All: 190.434 $\pm$ 0.077 χ^2 /NDF: 128976629.2/1

- sign 117.754 $\pm$ 0.077 χ^2 /NDF: 64813088.7/55

asym_atr_avg_mean vs Slug



Right In: 2440.594 $\pm$ 1499.343 χ^2 /NDF: 31.4/29

Left Out: 1686.531 $\pm$ 1261.650 χ^2 /NDF:25.4/24

Right Out: -4435.364 $\pm$ 1374.200 χ^2 /NDF: 30.3/32

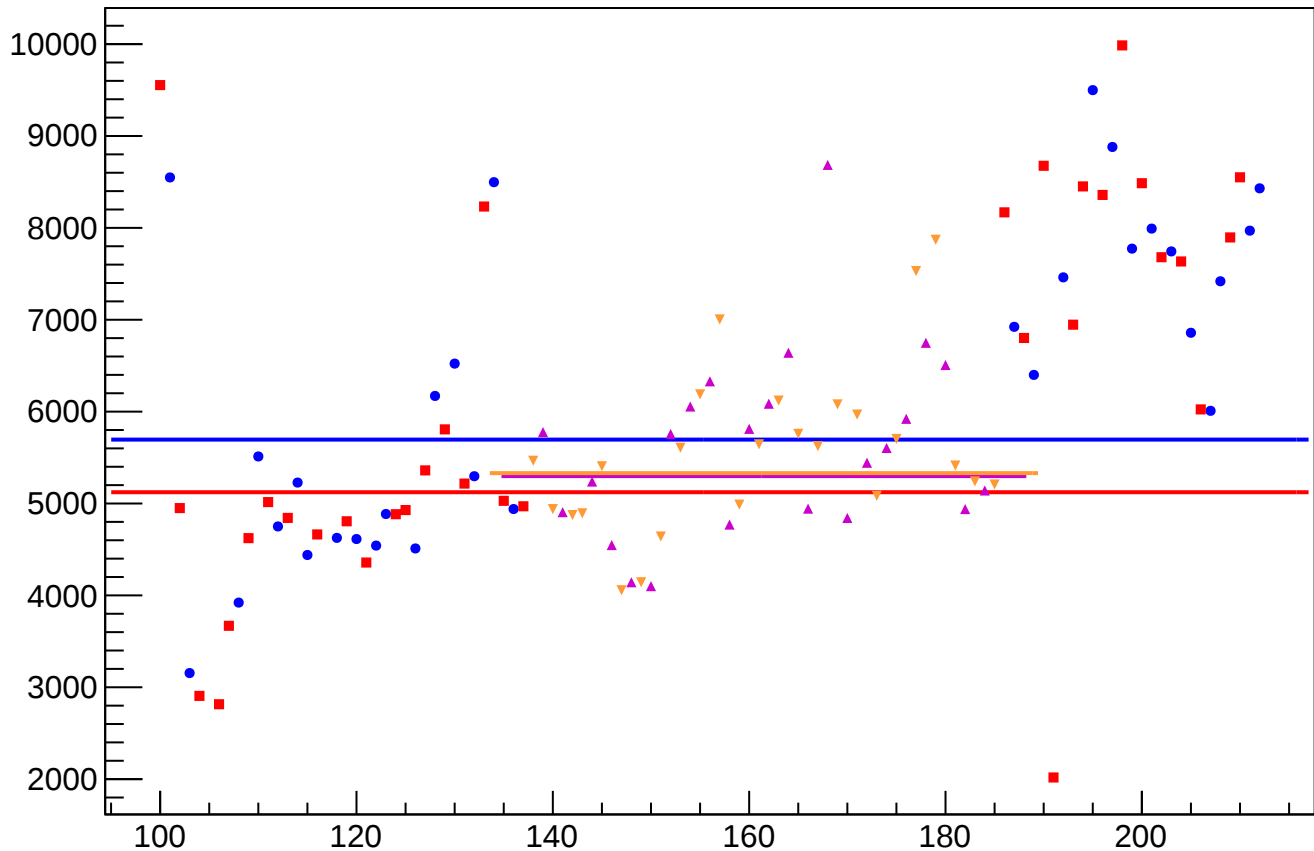
Left In: -2824.078 $\pm$ 1288.414 χ^2 /NDF:18.0/22

+ sign 1999.123 $\pm$ 965.353 χ^2 /NDF: 56.9/54

All: -863.828 $\pm$ 673.433 χ^2 /NDF: 123.1/110

- sign -3577.862 $\pm$ 939.912 χ^2 /NDF: 49.0/55

asym_atr_avg_rms vs Slug



Right In: 5695.609 $\pm$ 1.060 χ^2 /NDF: 2702925.9/29

Left Out: 5330.725 $\pm$ 0.892 χ^2 /NDF: 868061.7/24

Right Out: 5122.870 $\pm$ 0.968 χ^2 /NDF: 4287019.2/32

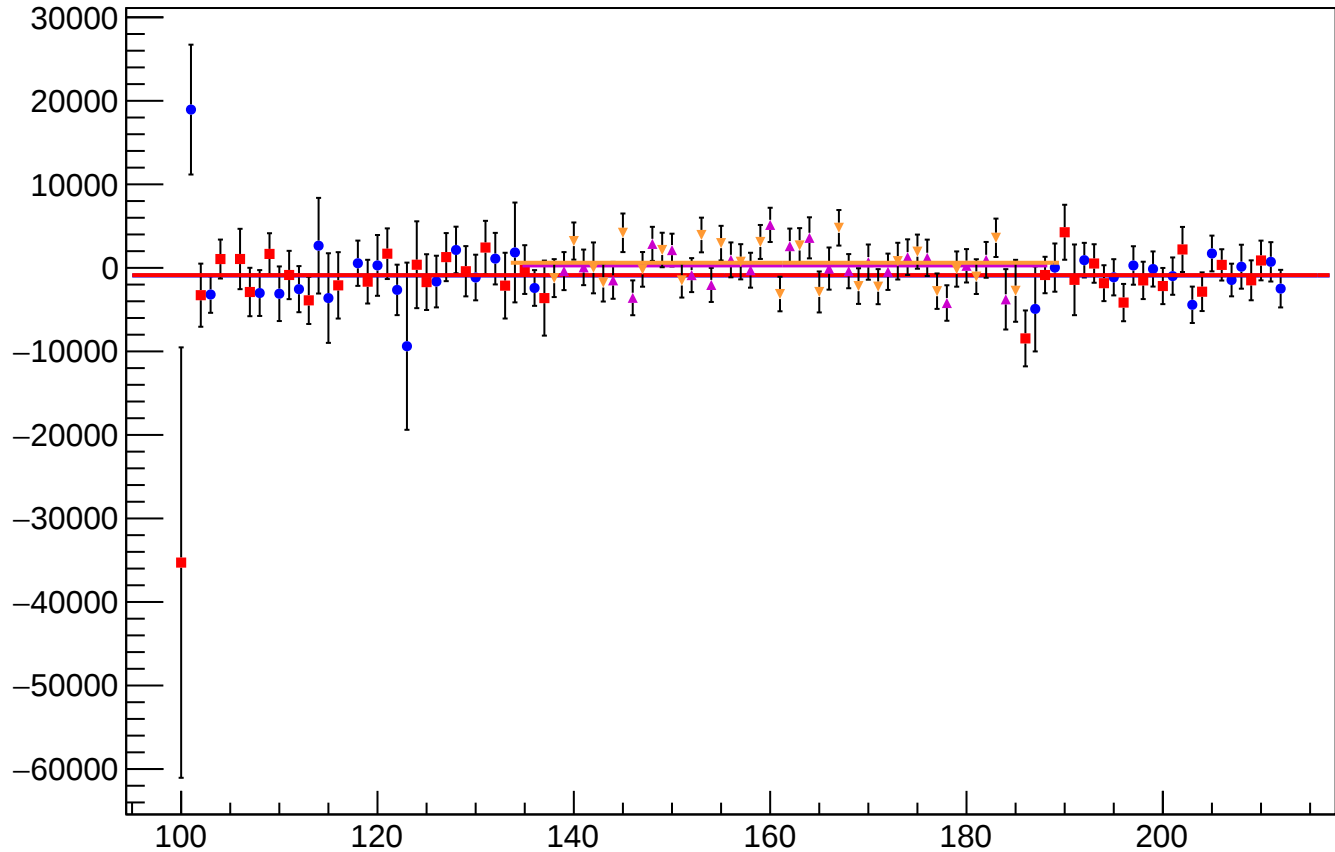
Left In: 5298.329 $\pm$ 0.911 χ^2 /NDF: 956021.6/22

+ sign 5481.985 $\pm$ 0.683 χ^2 /NDF: 3640335.2/54

All: 5345.173 $\pm$ 0.476 χ^2 /NDF: 8978915.8/11

- sign 5215.925 $\pm$ 0.663 χ^2 /NDF: 5260460.8/55

reg_asym_atr_dd_mean vs Slug



Right In: -914.493 ± 492.072 χ^2/NDF : 20.7/29

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

Right Out: -869.823 ± 482.748 χ^2/NDF : 22.9/32

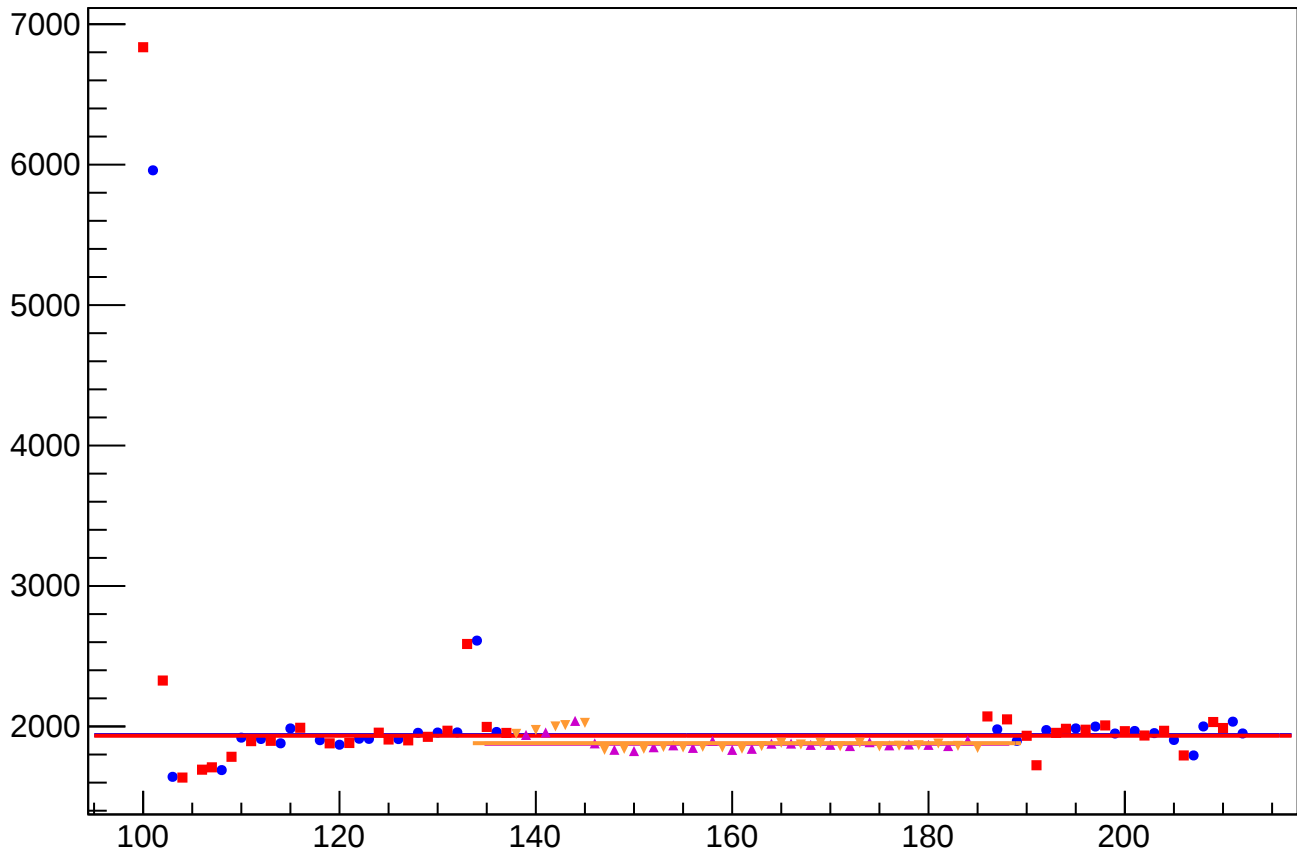
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign -63.078 ± 327.276 χ^2/NDF : 58.8/54

All: -154.598 ± 232.026 χ^2/NDF : 108.5/110

- sign -247.085 ± 329.001 χ^2/NDF : 49.6/55

reg_asym_atr_dd_rms vs Slug



Right In: 1938.659 $\pm$ 0.348 χ^2 /NDF: 636297.4/29

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1933.891 $\pm$ 0.341 χ^2 /NDF: 249888.4/32

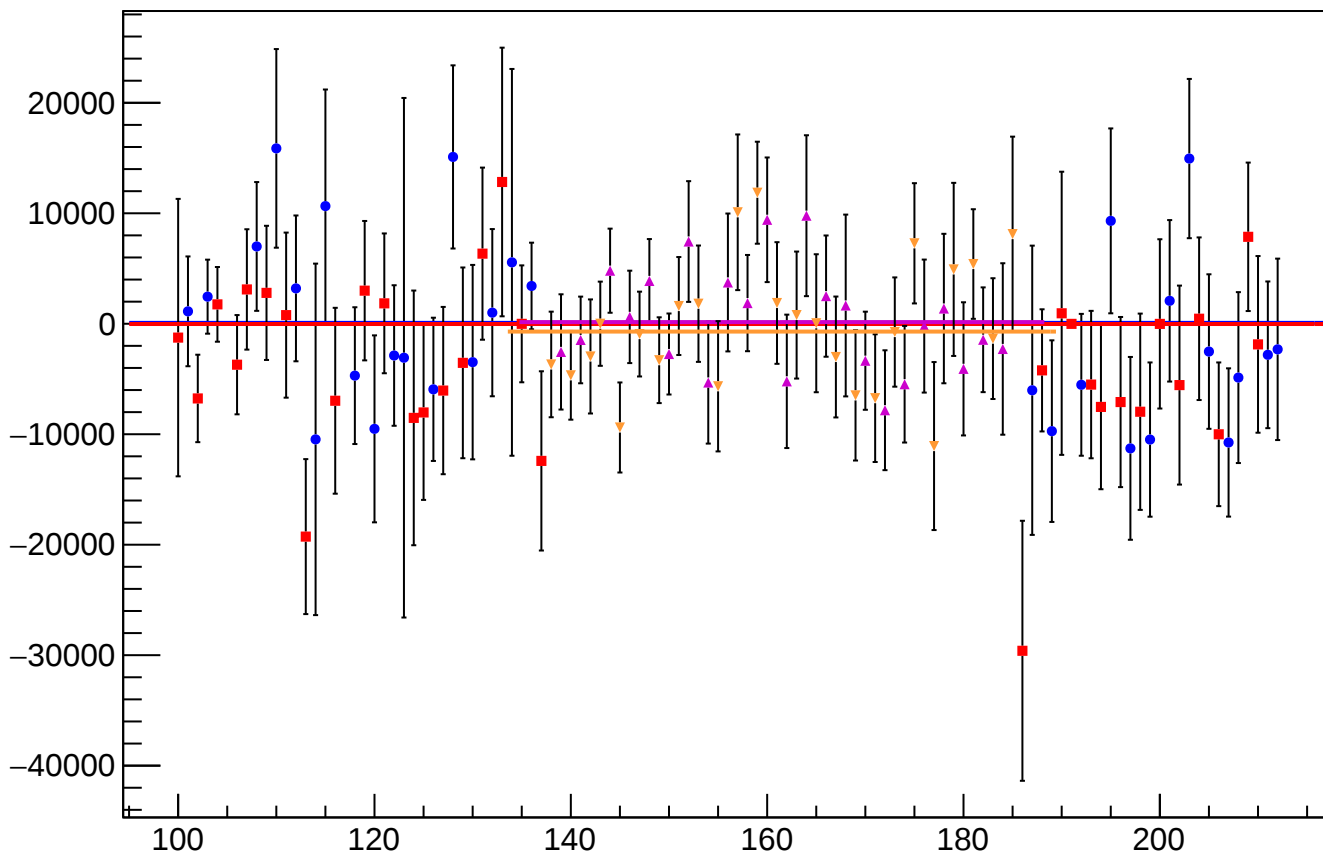
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1906.399 $\pm$ 0.231 χ^2 /NDF: 680368.3/54

All: 1904.849 $\pm$ 0.164 χ^2 /NDF: 965903.1/110

- sign 1903.283 $\pm$ 0.233 χ^2 /NDF: 285444.6/55

asym_atr_dd_correction_mean vs Slug



Right In: 79.719+/-1249.921 χ^2/NDF : 29.5/29

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

Right Out: -23.498+/-85.785 χ^2/NDF : 33.9/32

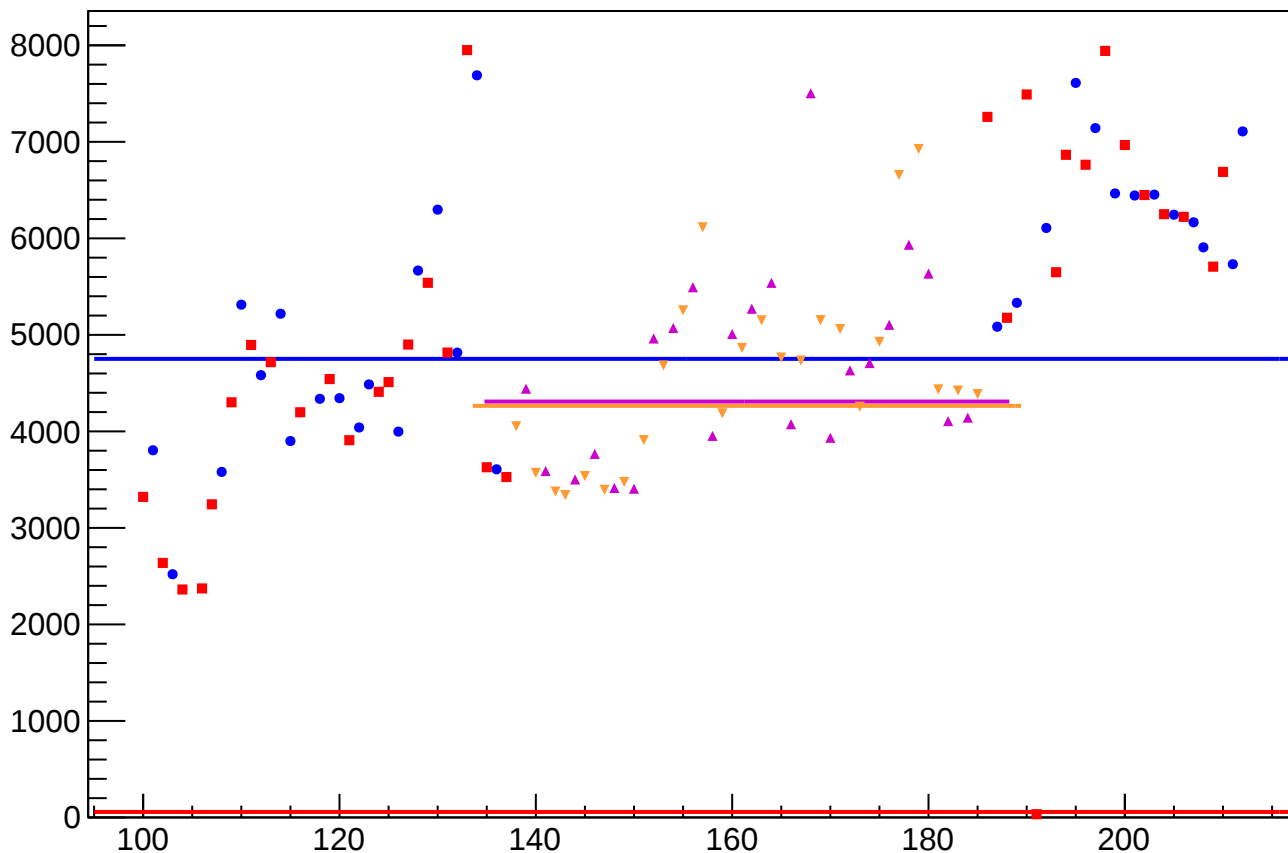
Left In: 150.495+/-1053.655 χ^2/NDF : 16.9/22

+ sign -393.835+/-789.198 χ^2/NDF : 56.9/54

All: -26.662+/-85.004 χ^2/NDF : 107.9/110

- sign -22.353+/-85.502 χ^2/NDF : 50.8/55

asym_atr_dd_correction_rms vs Slug



Right In: 4751.359+/-0.884 χ^2/NDF : 2716797.0/29

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

Right Out: 57.090+/-0.061 χ^2/NDF : 31567202.2/32

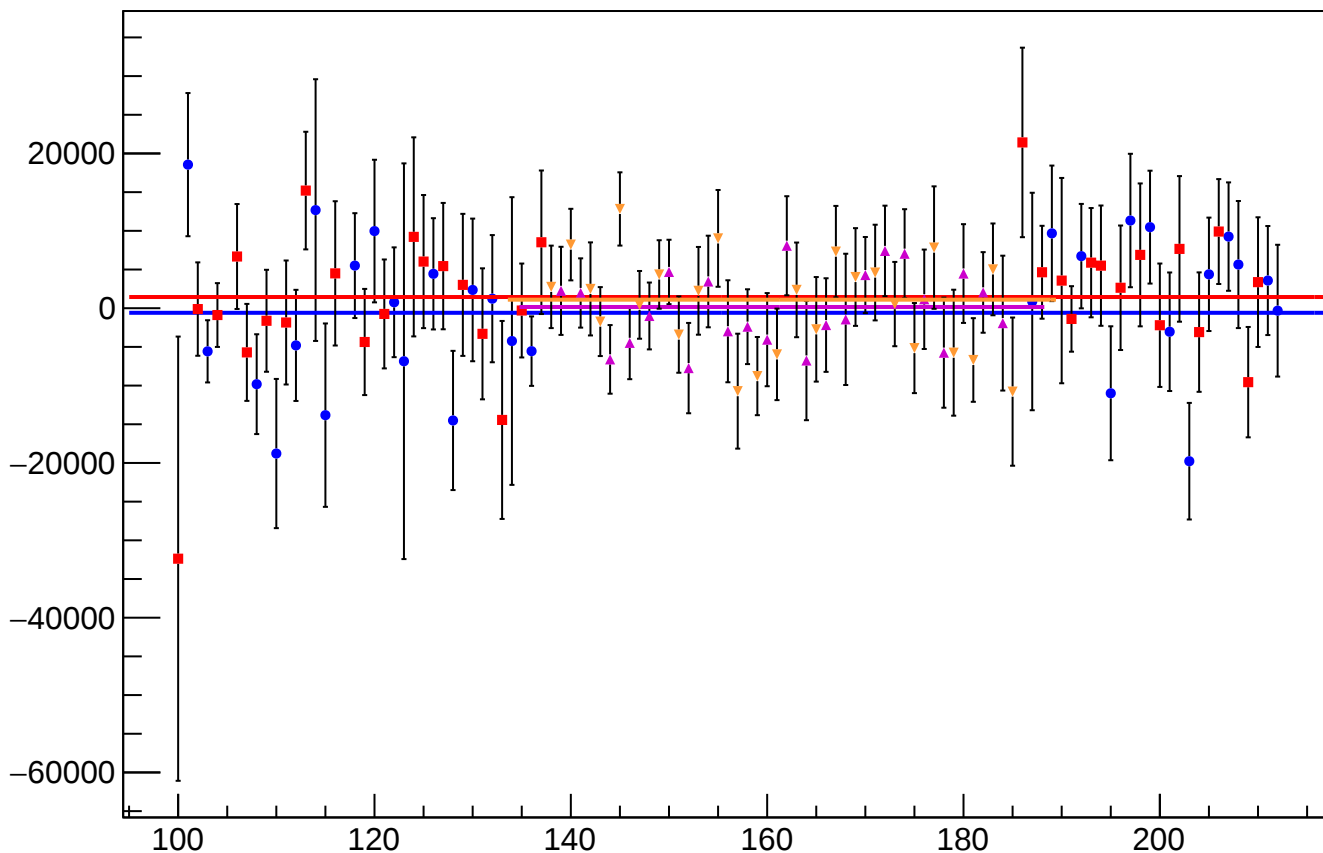
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4458.553+/-0.558 χ^2/NDF : 4254216.8/54

All: 135.827+/-0.060 χ^2/NDF : 130188656.0/1

- sign 85.089+/-0.060 χ^2/NDF : 65227144.1/55

asym_atr_dd_mean vs Slug



Right In: -593.013 ± 1397.334 χ^2/NDF : 38.3/29

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1446.576 ± 1282.559 χ^2/NDF : 21.1/32

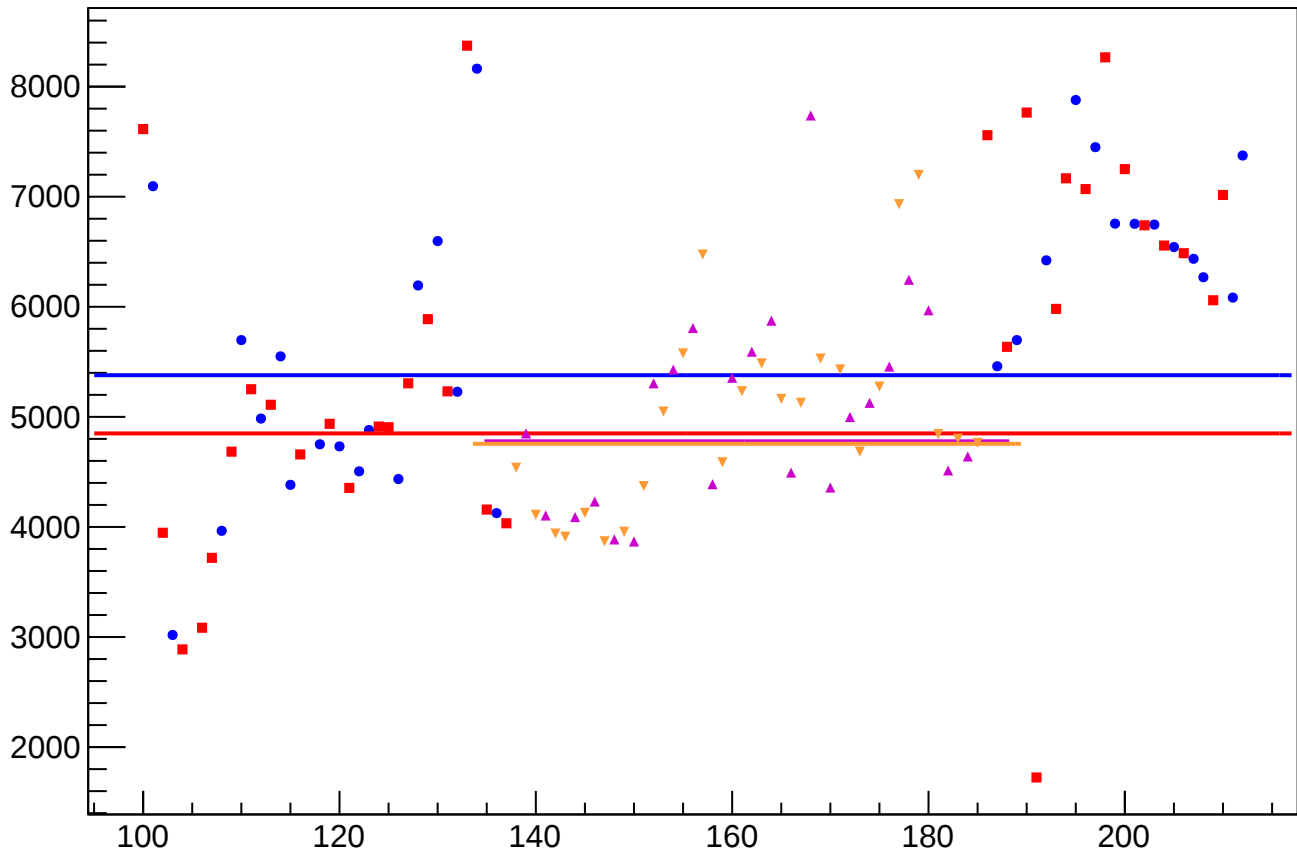
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 434.322 ± 877.076 χ^2/NDF : 67.8/54

All: 589.489 ± 614.400 χ^2/NDF : 105.0/110

- sign 738.997 ± 860.933 χ^2/NDF : 37.2/55

asym_atr_dd_rms vs Slug



Right In: 5378.570+/-0.988 χ^2/NDF : 2005847.0/29

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

Right Out: 4849.707+/-0.904 χ^2/NDF : 3631363.8/32

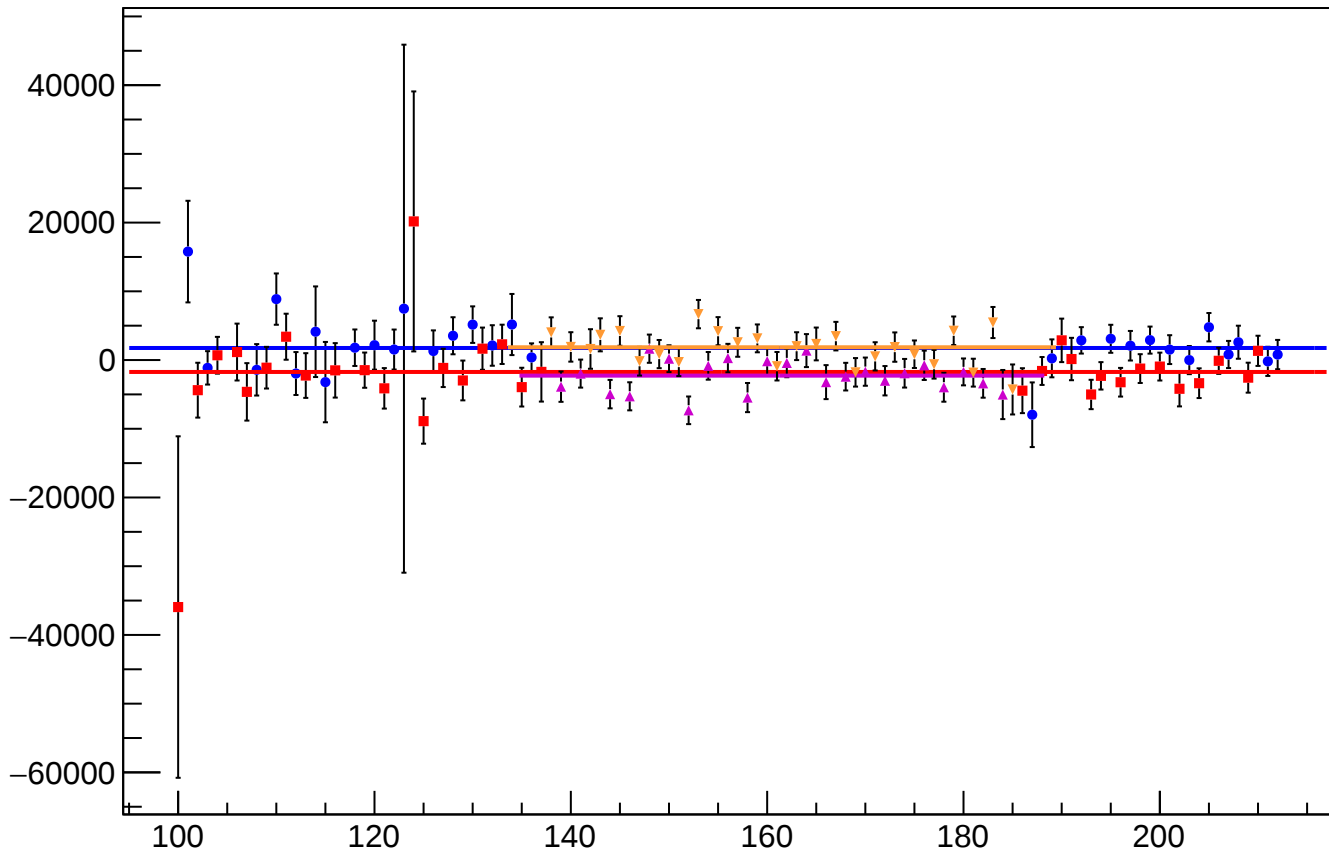
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 5000.906+/-0.620 χ^2/NDF : 3200250.2/54

All: 4903.711+/-0.434 χ^2/NDF : 7833526.0/11

- sign 4810.332+/-0.608 χ^2/NDF : 4585118.1/55

reg_asym_at1_avg_mean vs Slug



Right In: 1754.936 ± 479.302 χ^2/NDF : 24.8/29

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

Right Out: -1734.041 ± 473.105 χ^2/NDF : 28.0/32

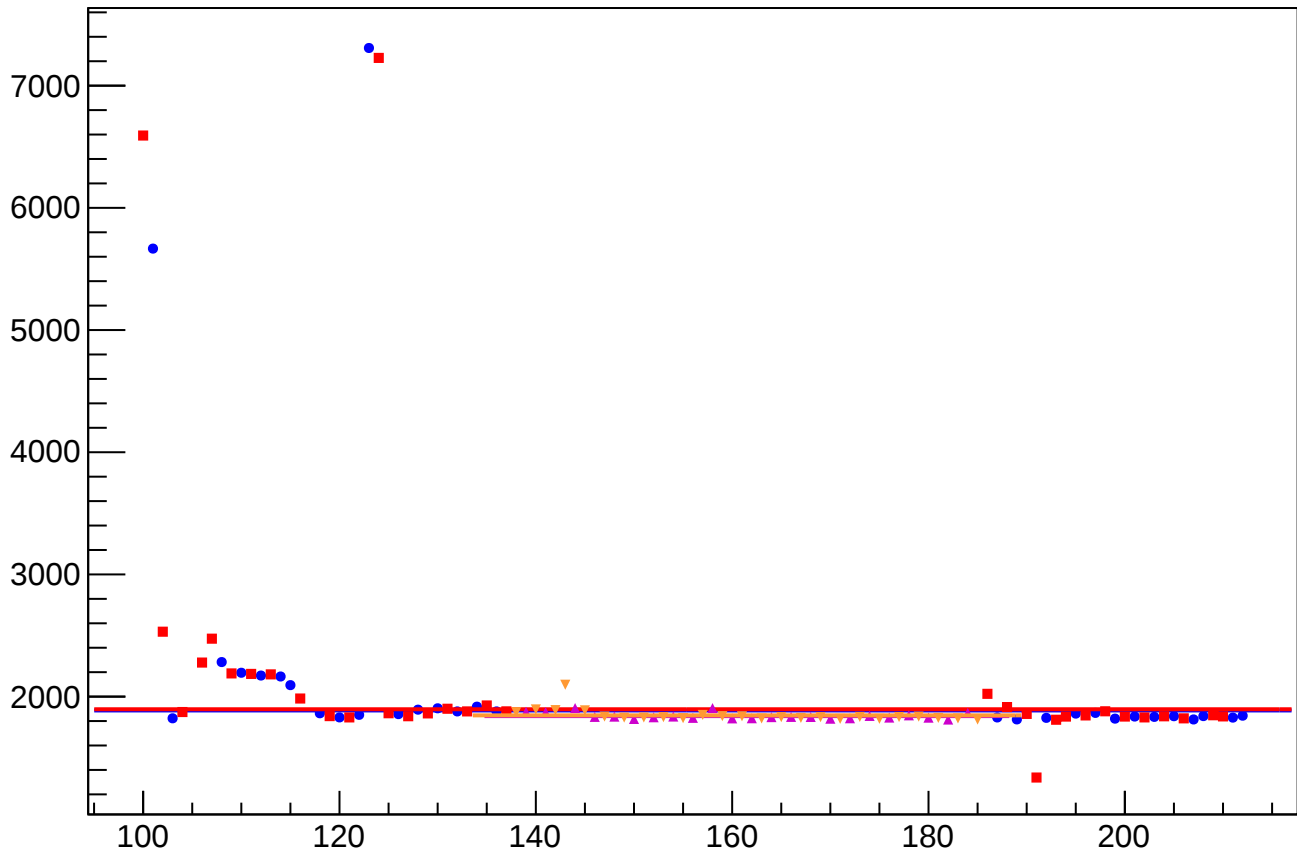
Left In: -2268.464 ± 441.710 χ^2/NDF : 26.9/22

+ sign 1811.134 ± 320.474 χ^2/NDF : 54.8/54

All: -89.980 ± 227.450 χ^2/NDF : 181.3/110

- sign -2019.571 ± 322.865 χ^2/NDF : 55.5/55

reg_asym_at1_avg_rms vs Slug



Right In: 1886.840+/-0.339 χ^2/NDF : 640260.9/29

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1896.503+/-0.335 χ^2/NDF : 475403.2/32

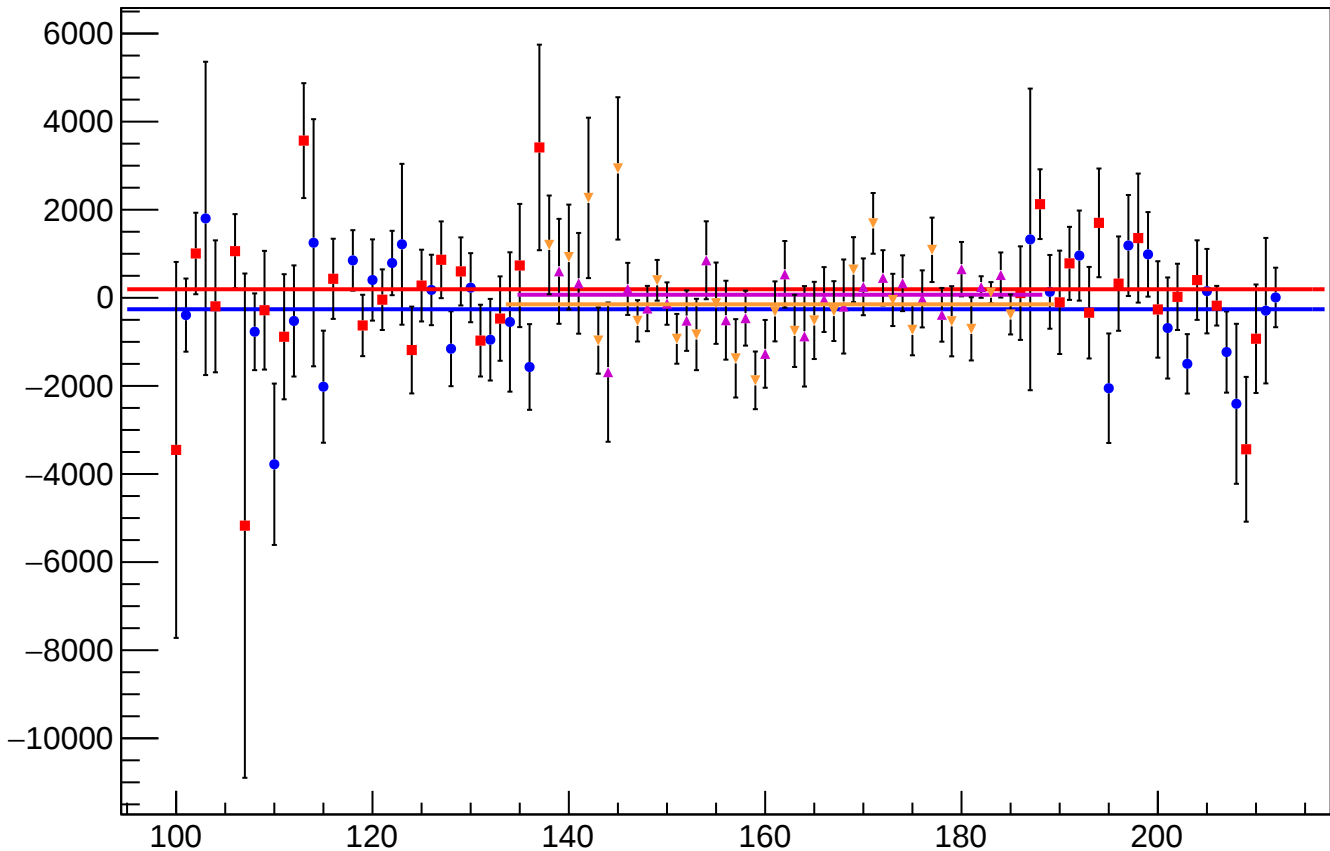
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1864.591+/-0.227 χ^2/NDF : 675357.8/54

All: 1865.590+/-0.161 χ^2/NDF : 1172491.2/111

- sign 1866.604+/-0.228 χ^2/NDF : 497094.2/55

asym_at1_avg_correction_mean vs Slug



Right In: -259.356+/-181.882 χ^2/NDF : 30.3/29

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

Right Out: 194.381+/-165.938 χ^2/NDF : 35.5/32

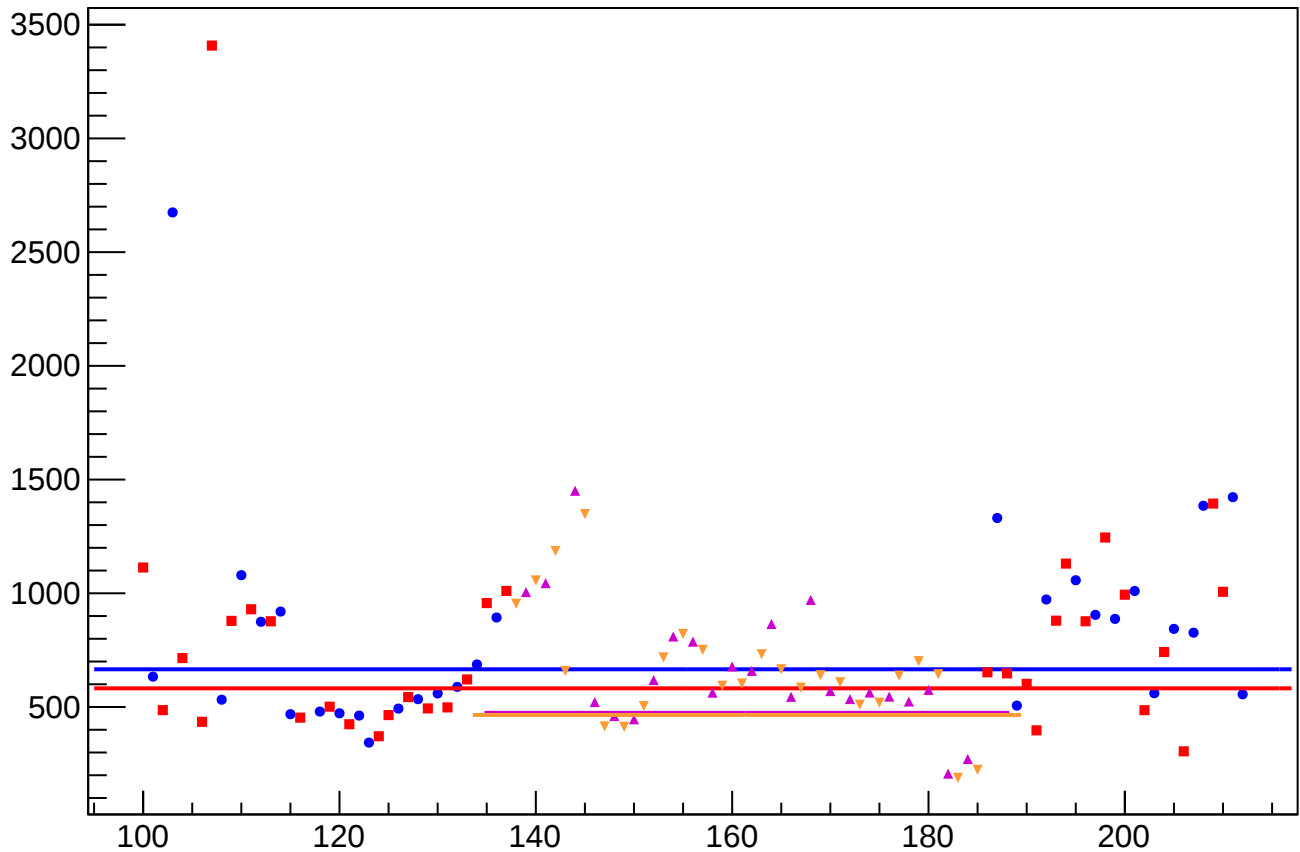
Left In: 70.340+/-126.373 χ^2/NDF : 12.3/22

+ sign -181.858+/-101.309 χ^2/NDF : 68.2/54

All: -31.854+/-71.362 χ^2/NDF : 120.7/110

- sign 115.874+/-100.537 χ^2/NDF : 48.1/55

asym_at1_avg_correction_rms vs Slug



Right In: 665.864 $\pm$ 0.129 χ^2 /NDF: 3529023.0/29

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

Right Out: 582.132 $\pm$ 0.117 χ^2 /NDF: 4611831.9/32

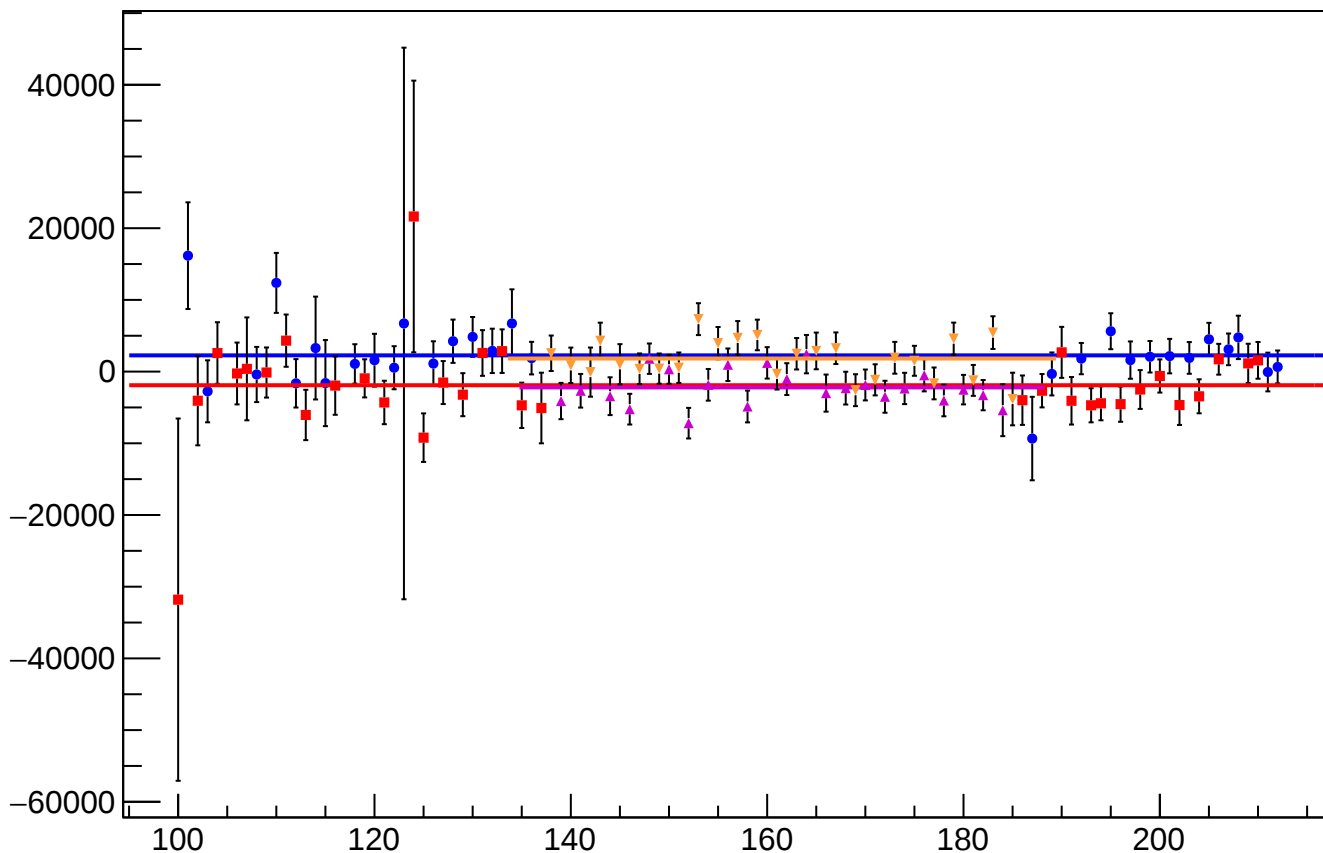
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 527.374 $\pm$ 0.072 χ^2 /NDF: 12296272.2/54

All: 520.565 $\pm$ 0.050 χ^2 /NDF: 23634046.1/11

- sign 513.860 $\pm$ 0.071 χ^2 /NDF: 11319843.1/55

asym_at1_avg_mean vs Slug



Right In: 2263.509 $\pm$ 541.677 χ^2 /NDF: 25.5/29

Left Out: 1824.066 $\pm$ 462.694 χ^2 /NDF:32.1/24

Right Out: -1900.515 $\pm$ 537.778 χ^2 /NDF: 34.2/32

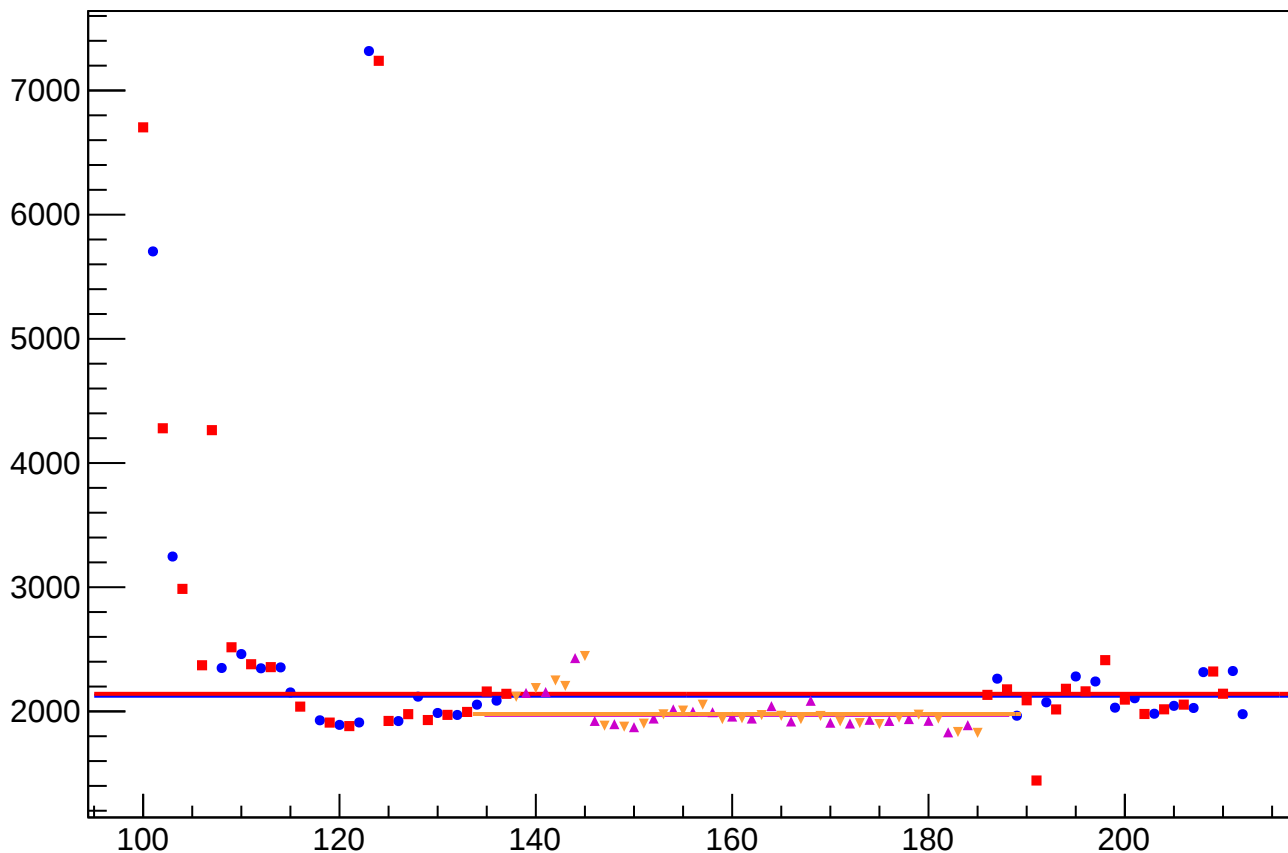
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 2009.442 $\pm$ 351.816 χ^2 /NDF: 58.0/54

All: -10.181 $\pm$ 250.103 χ^2 /NDF: 184.4/110

- sign -2073.611 $\pm$ 355.611 χ^2 /NDF: 59.7/55

asym_at1_avg_rms vs Slug



Right In: 2126.235 $\pm$ 0.383 χ^2 /NDF: 777757.3/29

Left Out: 1978.997 $\pm$ 0.327 χ^2 /NDF:139299.8/24

Right Out: 2141.559 $\pm$ 0.380 χ^2 /NDF: 950510.3/32

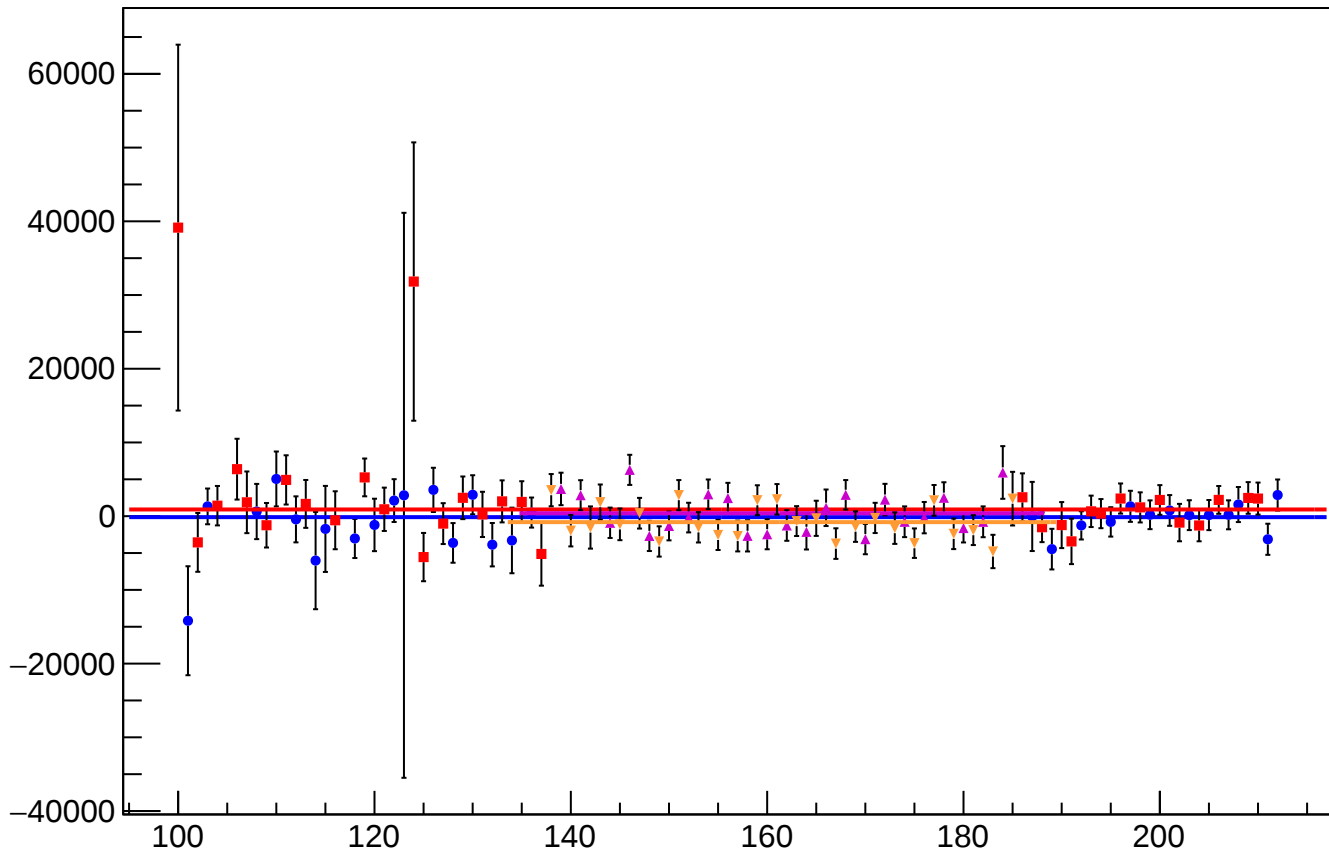
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2041.109 $\pm$ 0.249 χ^2 /NDF: 1002491.6/54

All: 2043.645 $\pm$ 0.177 χ^2 /NDF: 2181330.1/11

- sign 2046.236 $\pm$ 0.251 χ^2 /NDF: 1178628.3/55

reg_asym_at1_dd_mean vs Slug



Right In: -130.888 $\pm$ 475.988 χ^2 /NDF: 23.7/29

Left Out: -808.436 $\pm$ 430.304 χ^2 /NDF: 27.9/24

Right Out: 908.743 $\pm$ 469.583 χ^2 /NDF: 28.3/32

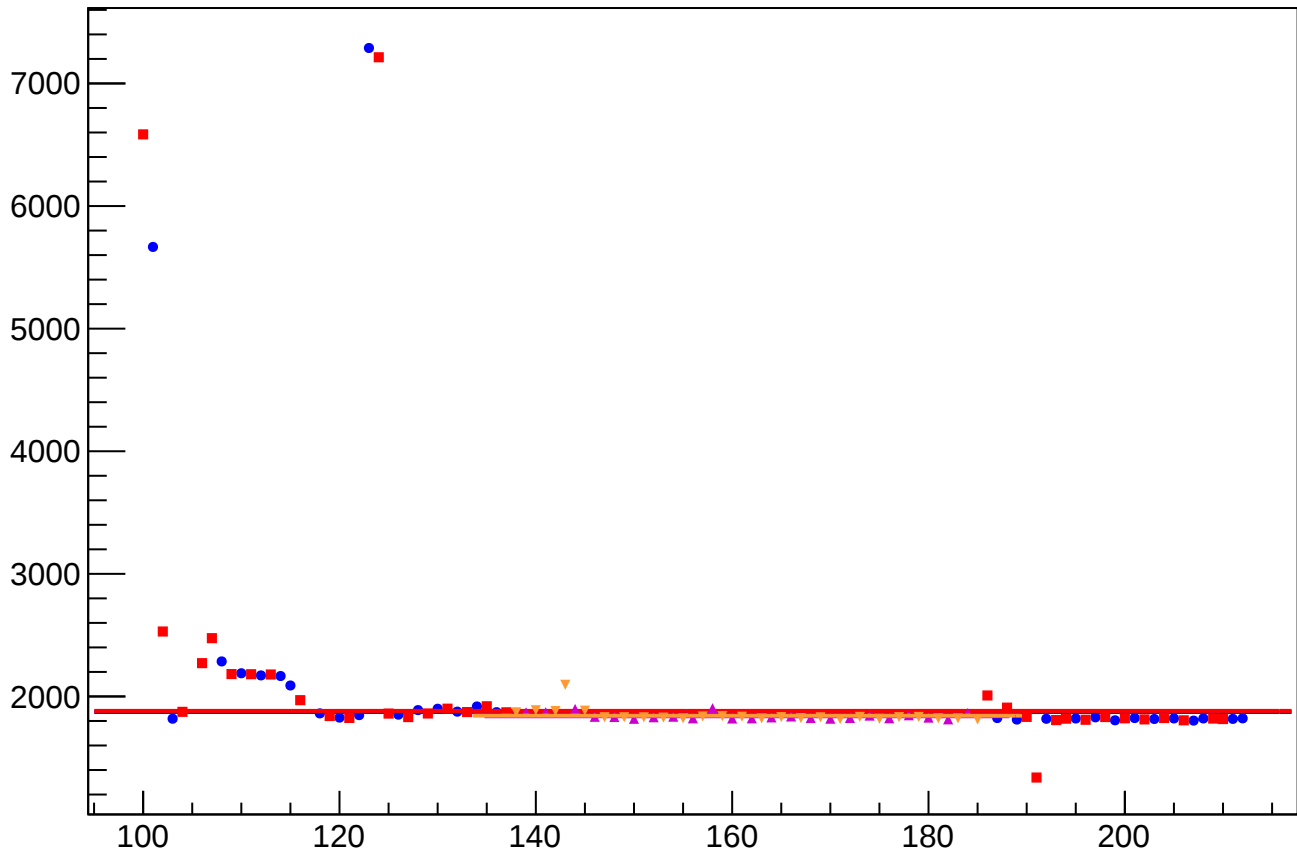
Left In: 398.797 $\pm$ 441.246 χ^2 /NDF: 34.4/22

+ sign -503.729 $\pm$ 319.203 χ^2 /NDF: 52.8/54

All: 62.897 $\pm$ 226.539 χ^2 /NDF: 122.4/110

- sign 637.921 $\pm$ 321.559 χ^2 /NDF: 63.3/55

reg_asym_at1_dd_rms vs Slug



Right In: 1873.520+/-0.337 χ^2/NDF : 650153.0/29

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

Right Out: 1882.170+/-0.332 χ^2/NDF : 484045.7/32

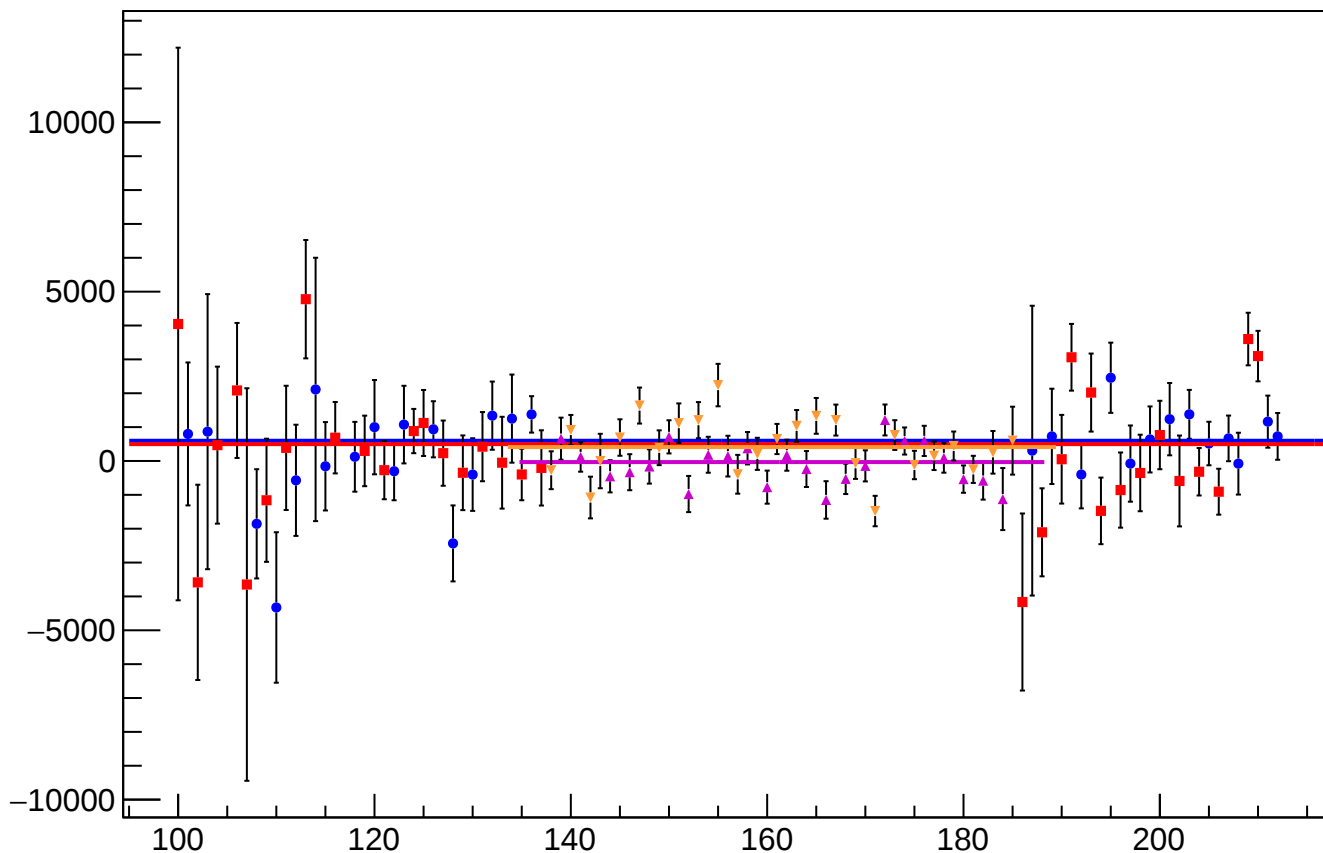
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1857.137+/-0.226 χ^2/NDF : 681326.4/54

All: 1858.080+/-0.160 χ^2/NDF : 1180881.9/118

- sign 1859.037+/-0.227 χ^2/NDF : 499520.3/55

asym_at1_dd_correction_mean vs Slug



Right In: 596.796 ± 181.482 $\chi^2/\text{NDF}: 28.3/29$

Left Out: 411.072 ± 100.456 $\chi^2/\text{NDF}: 61.2/24$

Right Out: 497.481 ± 185.767 $\chi^2/\text{NDF}: 70.8/32$

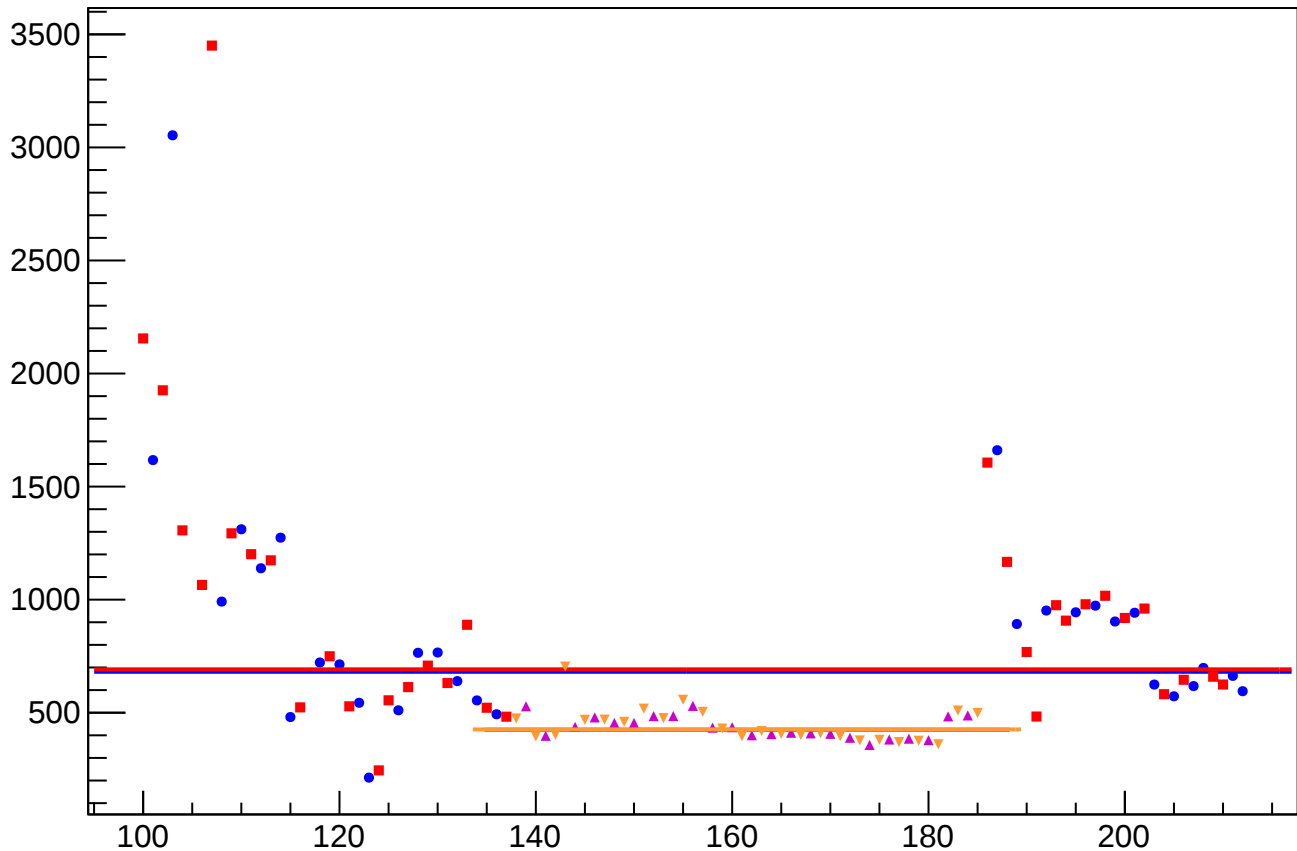
Left In: -32.456 ± 102.403 $\chi^2/\text{NDF}: 32.7/22$

+ sign 454.631 ± 87.890 $\chi^2/\text{NDF}: 90.3/54$

All: 276.505 ± 62.771 $\chi^2/\text{NDF}: 208.5/110$

- sign 91.047 ± 89.680 $\chi^2/\text{NDF}: 109.8/55$

asym_at1_dd_correction_rms vs Slug



Right In: 681.075+/-0.128 χ^2/NDF : 3226919.4/29

Left Out: 426.027+/-0.071 χ^2/NDF : 733072.9/24

Right Out: 691.786+/-0.131 χ^2/NDF : 4342970.0/32

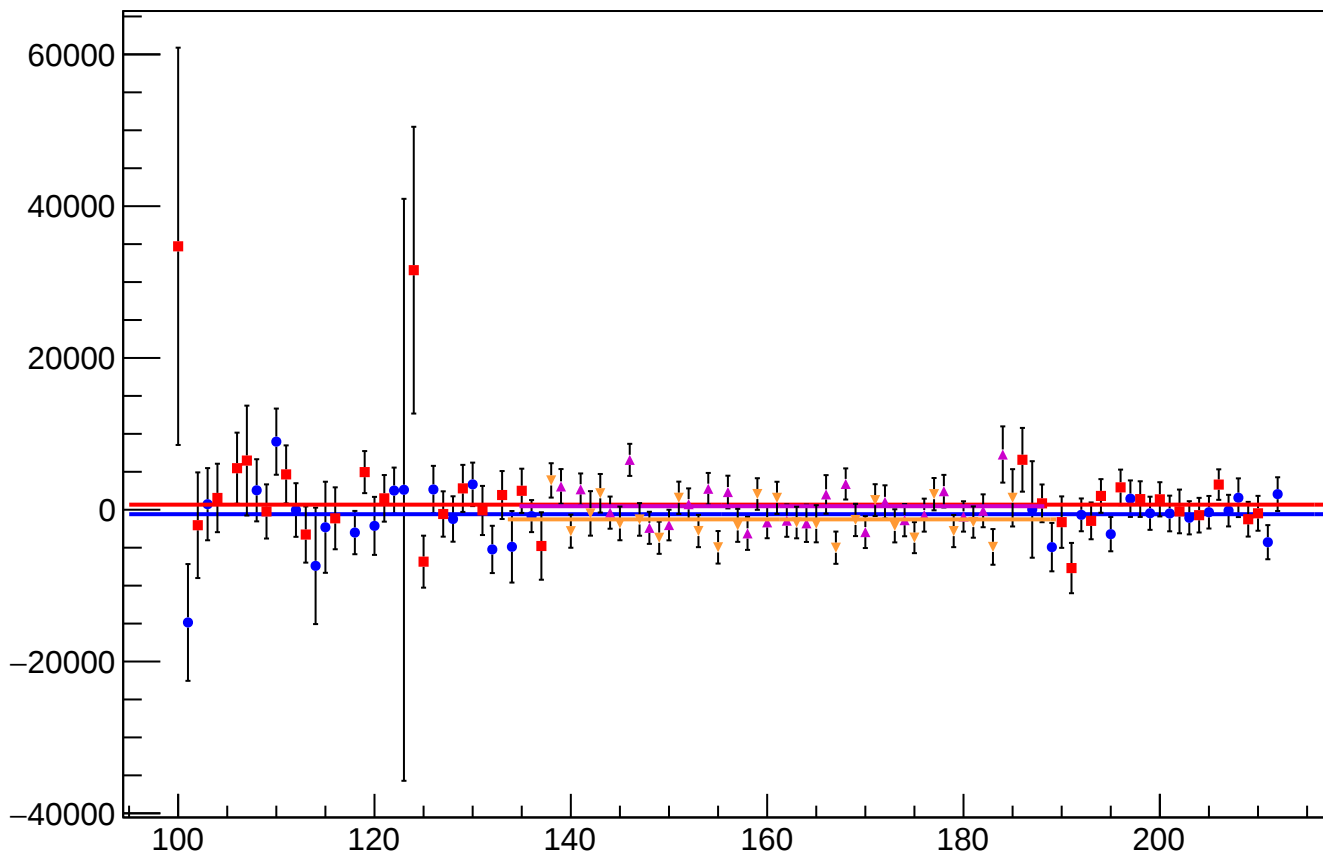
Left In: 424.639+/-0.072 χ^2/NDF : 391611.2/22

+ sign 485.845+/-0.062 χ^2/NDF : 6983631.2/54

All: 486.361+/-0.044 χ^2/NDF : 14890552.5/11

- sign 486.898+/-0.063 χ^2/NDF : 7906780.6/55

asym_at1_dd_mean vs Slug



Right In: -586.691 ± 525.940 χ^2/NDF : 26.7/29

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 670.897 ± 527.633 χ^2/NDF : 32.9/32

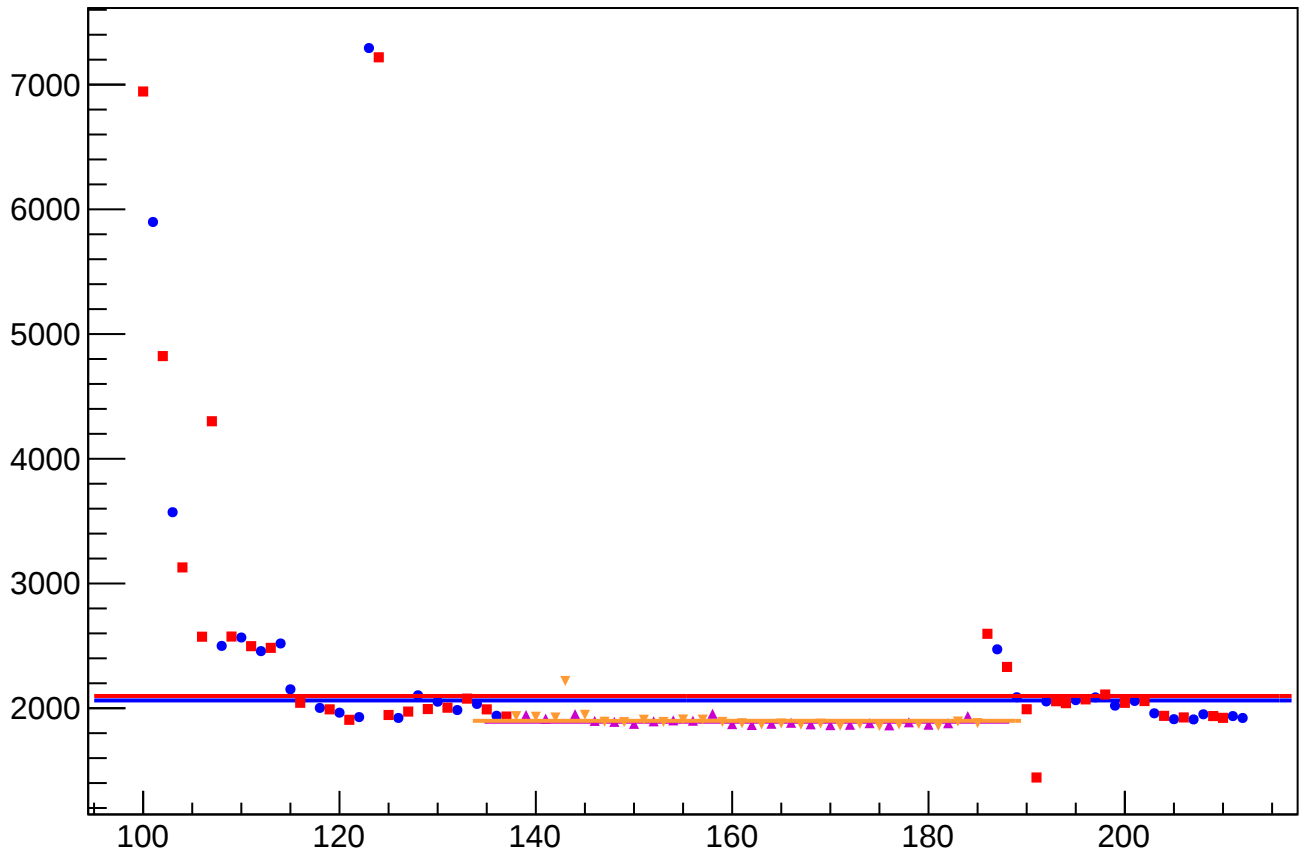
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -985.010 ± 338.921 χ^2/NDF : 58.5/54

All: -228.591 ± 241.469 χ^2/NDF : 134.2/110

- sign 551.199 ± 344.117 χ^2/NDF : 65.6/55

asym_at1_dd_rms vs Slug



Right In: 2062.331+/-0.372 χ^2/NDF : 889103.5/29

Left Out: 1898.962+/-0.313 χ^2/NDF : 38680.4/24

Right Out: 2098.138+/-0.373 χ^2/NDF : 1115097.0/32

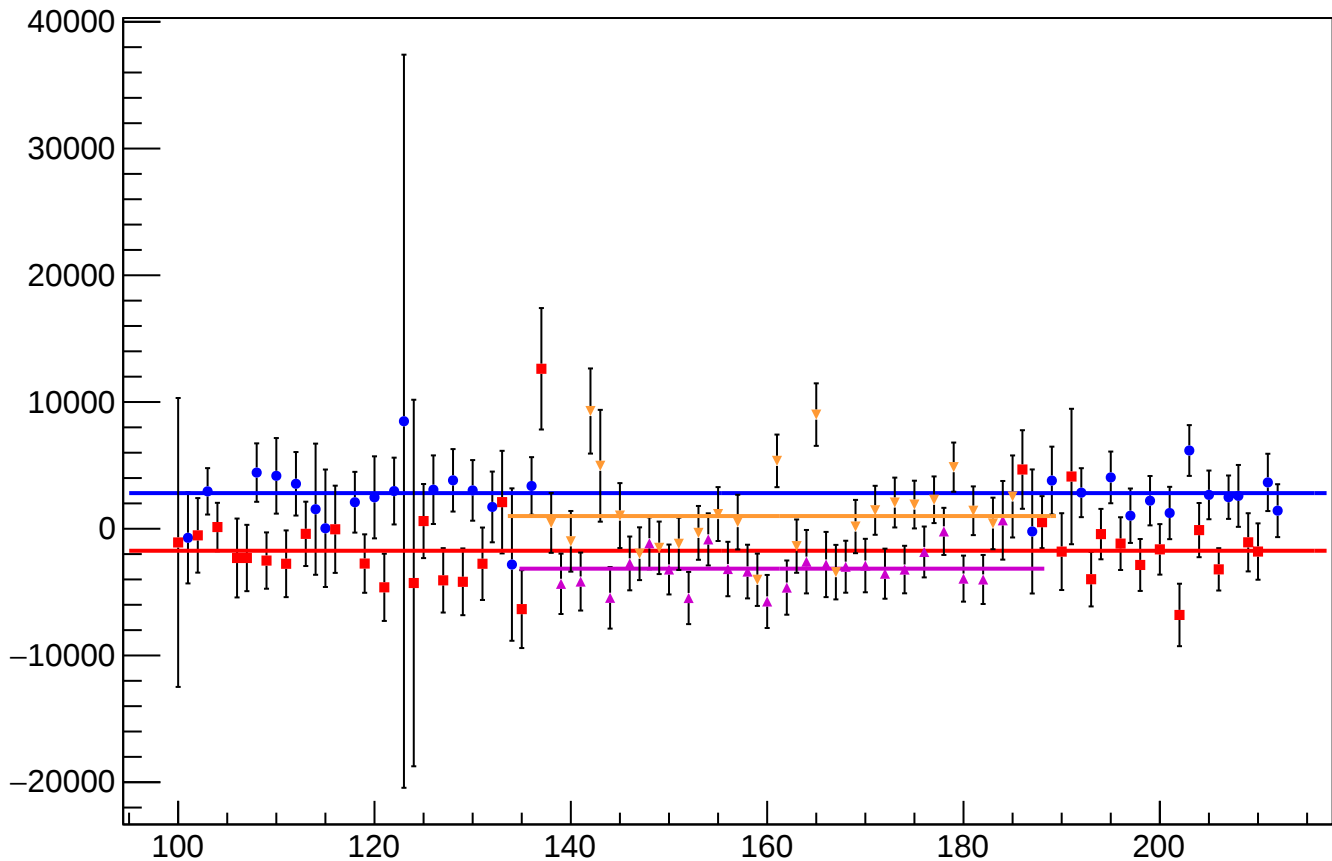
Left In: 1891.693+/-0.321 χ^2/NDF : 7420.7/22

+ sign 1966.803+/-0.240 χ^2/NDF : 1040622.7/54

All: 1973.057+/-0.171 χ^2/NDF : 2340468.5/11

- sign 1979.504+/-0.243 χ^2/NDF : 1298462.7/55

reg_asym_at2_avg_mean vs Slug



Right In: 2811.659 $\pm$ 446.406 χ^2 /NDF: 9.3/29

Left Out: 1001.263 $\pm$ 435.247 χ^2 /NDF: 44.6/24

Right Out: -1736.526 $\pm$ 441.676 χ^2 /NDF: 32.3/32

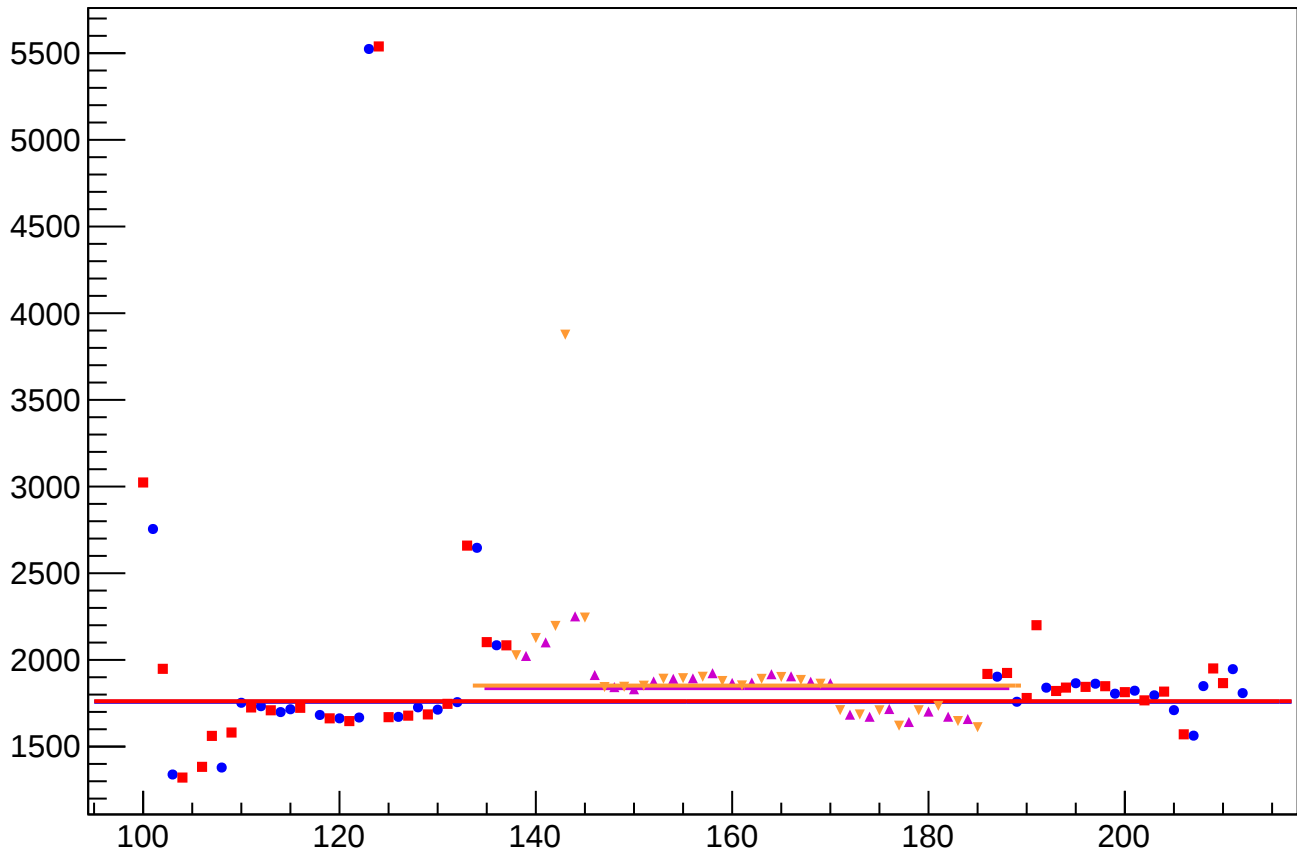
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF: 11.8/22

+ sign 1883.550 $\pm$ 311.636 χ^2 /NDF: 62.3/54

All: -277.007 $\pm$ 220.532 χ^2 /NDF: 207.9/110

- sign -2444.332 $\pm$ 312.124 χ^2 /NDF: 49.2/55

reg_asym_at2_avg_rms vs Slug



Right In: 1758.407 $\pm$ 0.316 χ^2 /NDF: 505360.7/29

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1761.812 $\pm$ 0.312 χ^2 /NDF: 565971.1/32

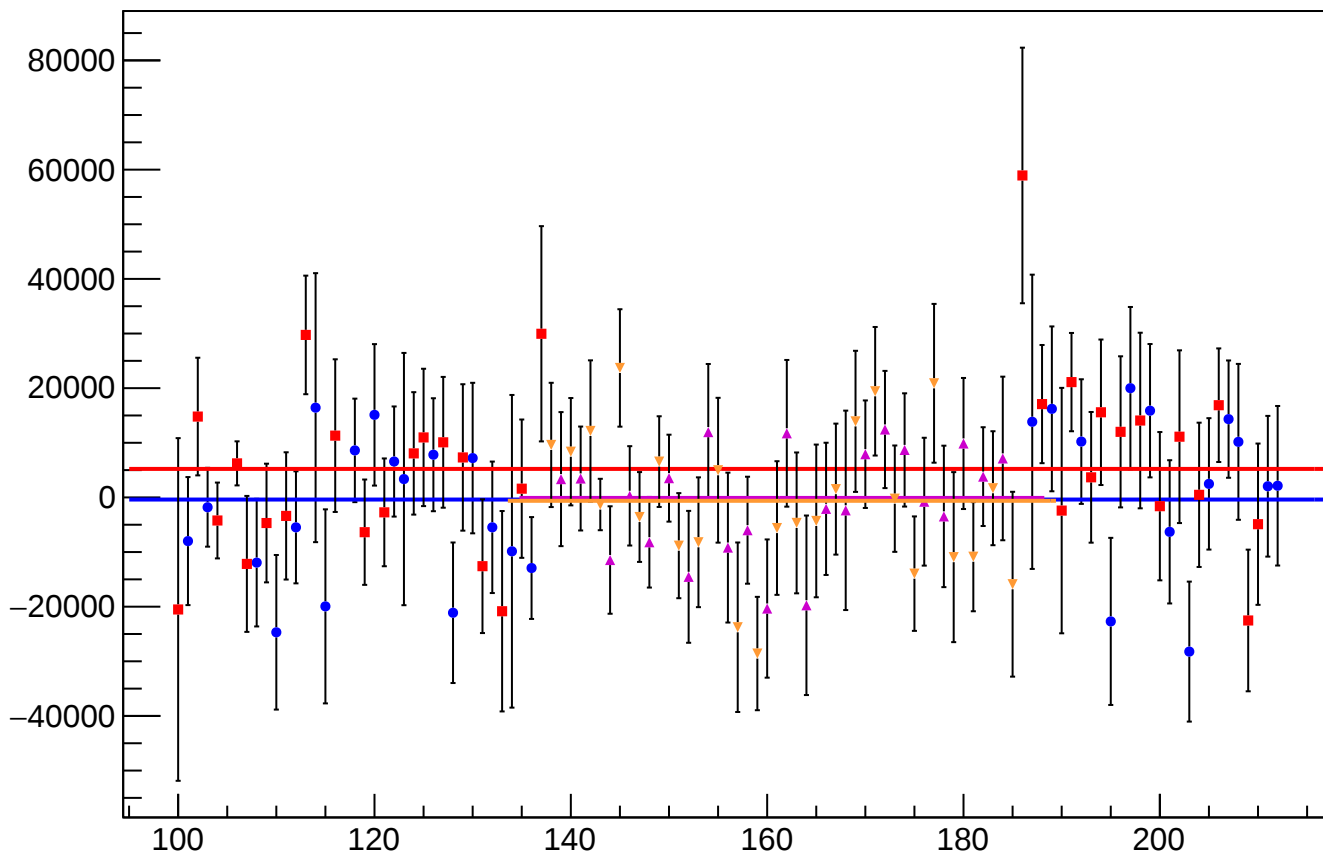
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1806.367 $\pm$ 0.220 χ^2 /NDF: 1199344.4/54

All: 1802.952 $\pm$ 0.156 χ^2 /NDF: 1995441.7/11

- sign 1799.526 $\pm$ 0.221 χ^2 /NDF: 795616.2/55

asym_at2_avg_correction_mean vs Slug



Right In: -389.428 $\pm$ 2268.236 χ^2/NDF : 30.4/29

Left Out: -619.372 $\pm$ 2069.686 χ^2/NDF : 30.1/24

Right Out: 5218.539 $\pm$ 1905.227 χ^2/NDF : 38.1/32

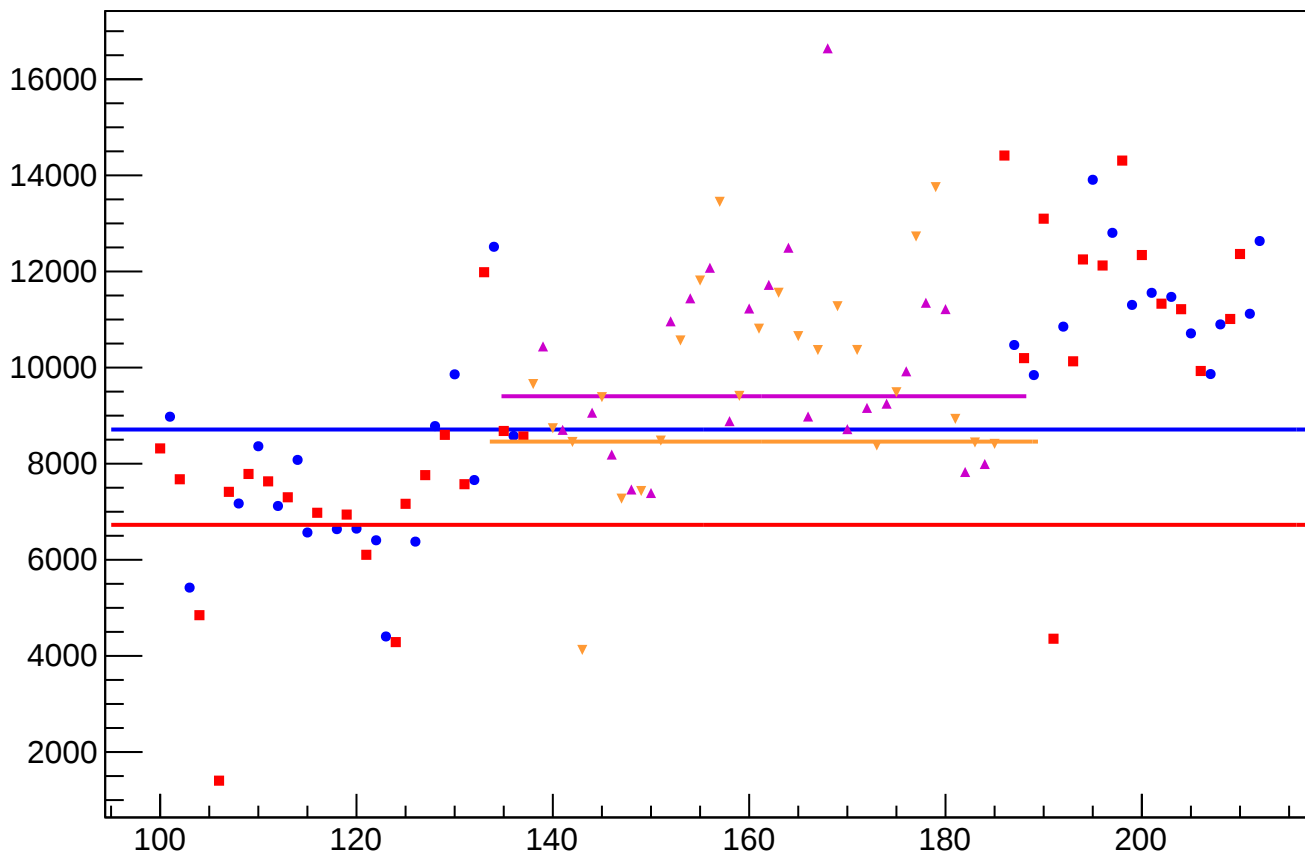
Left In: -93.334 $\pm$ 2293.826 χ^2/NDF : 14.6/22

+ sign -514.903 $\pm$ 1528.873 χ^2/NDF : 60.5/54

All: 1342.834 $\pm$ 1058.002 χ^2/NDF : 119.2/110

- sign 3050.012 $\pm$ 1465.612 χ^2/NDF : 55.9/55

asym_at2_avg_correction_rms vs Slug



Right In: 8711.219+/-1.604 χ^2/NDF : 2108490.3/29

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 6727.451+/-1.347 χ^2/NDF : 7512477.6/32

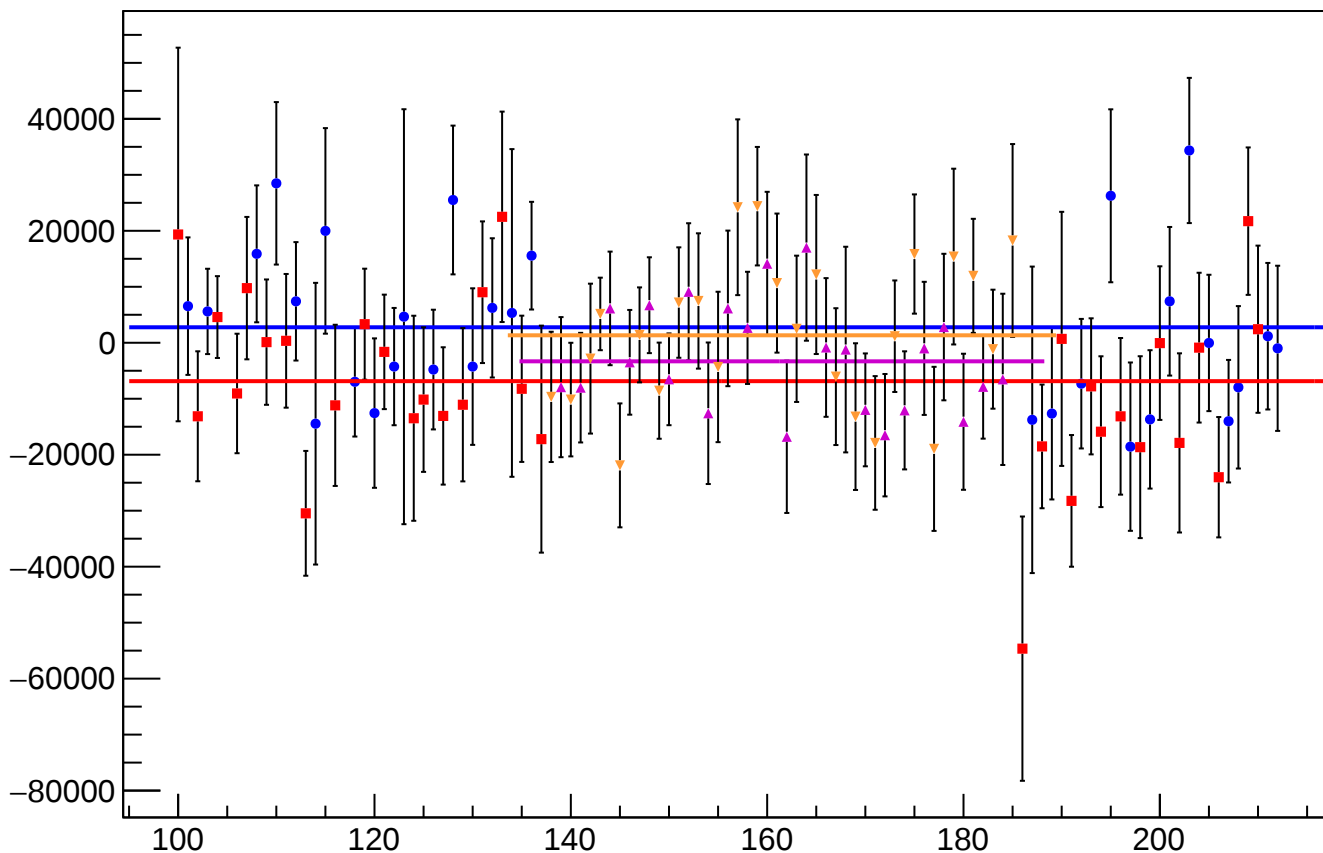
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8574.113+/-1.081 χ^2/NDF : 5209082.3/54

All: 8181.089+/-0.748 χ^2/NDF : 15728608.1/100

- sign 7819.918+/-1.036 χ^2/NDF : 10265902.1/55

asym_at2_avg_mean vs Slug



Right In: 2765.891 $\pm$ 2339.274 χ^2 /NDF: 31.7/29

Left Out: 1332.828 $\pm$ 2213.733 χ^2 /NDF:28.0/24

Right Out: -6859.883 $\pm$ 2225.159 χ^2 /NDF: 35.0/32

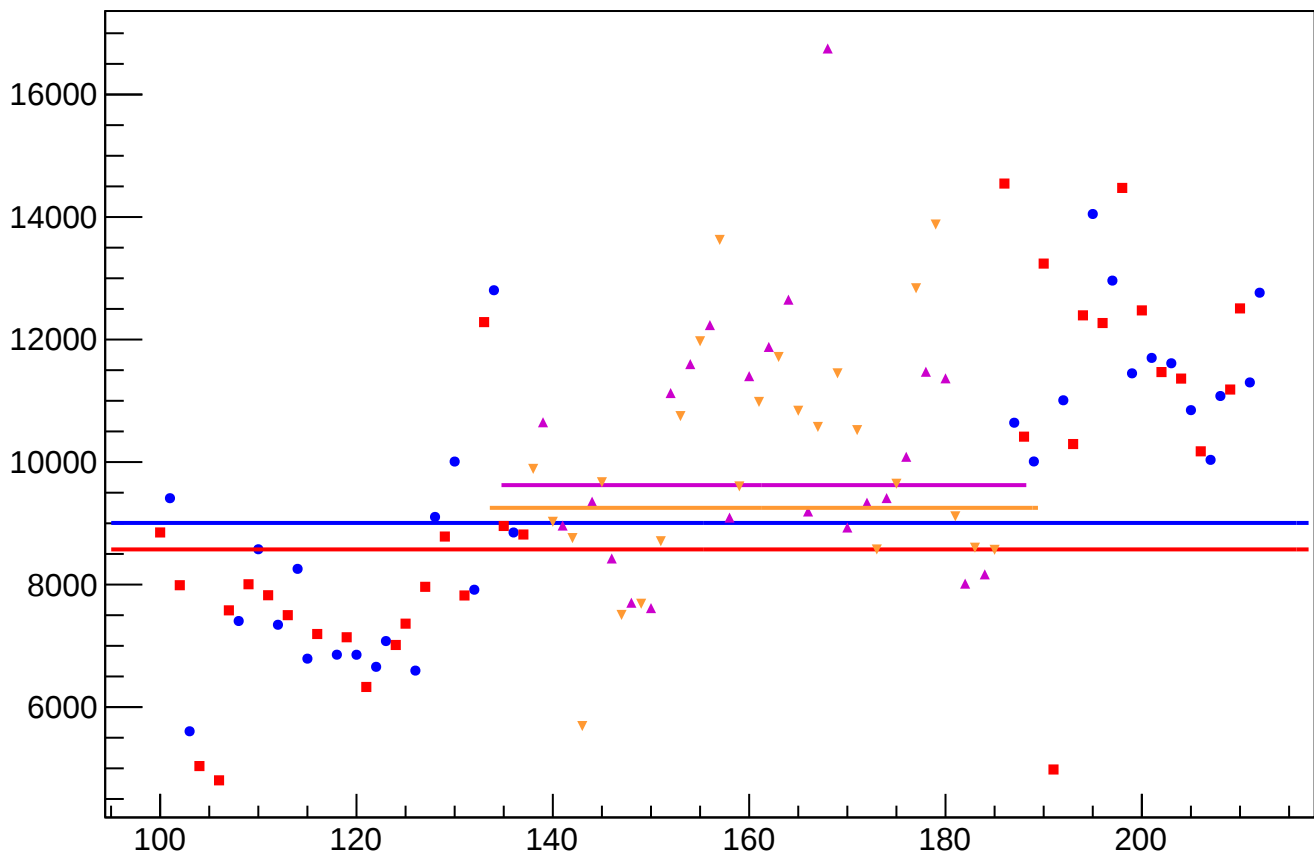
Left In: -3316.909 $\pm$ 2344.543 χ^2 /NDF:13.7/22

+ sign 2009.876 $\pm$ 1607.896 χ^2 /NDF: 59.9/54

All: -1571.930 $\pm$ 1139.099 χ^2 /NDF: 119.8/11

- sign -5180.893 $\pm$ 1613.980 χ^2 /NDF: 49.9/55

asym_at2_avg_rms vs Slug



Right In: 9006.199+/-1.654 χ^2/NDF : 1897011.6/29

Left Out: 9252.712+/-1.565 χ^2/NDF : 1597668.9/24

Right Out: 8574.016+/-1.573 χ^2/NDF : 2683987.9/32

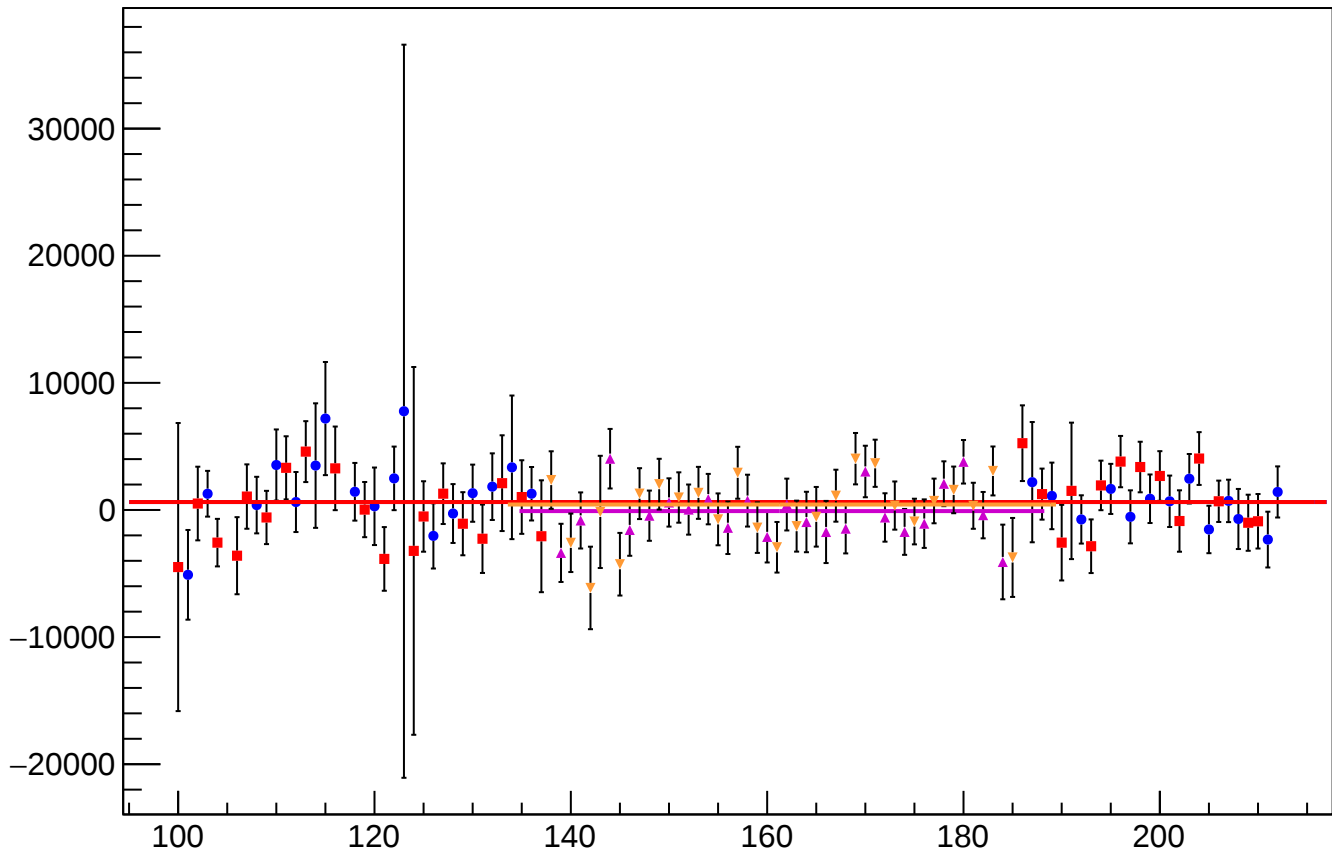
Left In: 9623.485+/-1.658 χ^2/NDF : 1069924.0/22

+ sign 9136.246+/-1.137 χ^2/NDF : 3506397.6/54

All: 9103.894+/-0.805 χ^2/NDF : 7472782.3/11

- sign 9071.300+/-1.141 χ^2/NDF : 3964759.3/55

reg_asym_at2_dd_mean vs Slug



Right In: 624.425 ± 429.948 χ^2/NDF : 14.8/29

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 624.810 ± 425.646 χ^2/NDF : 32.2/32

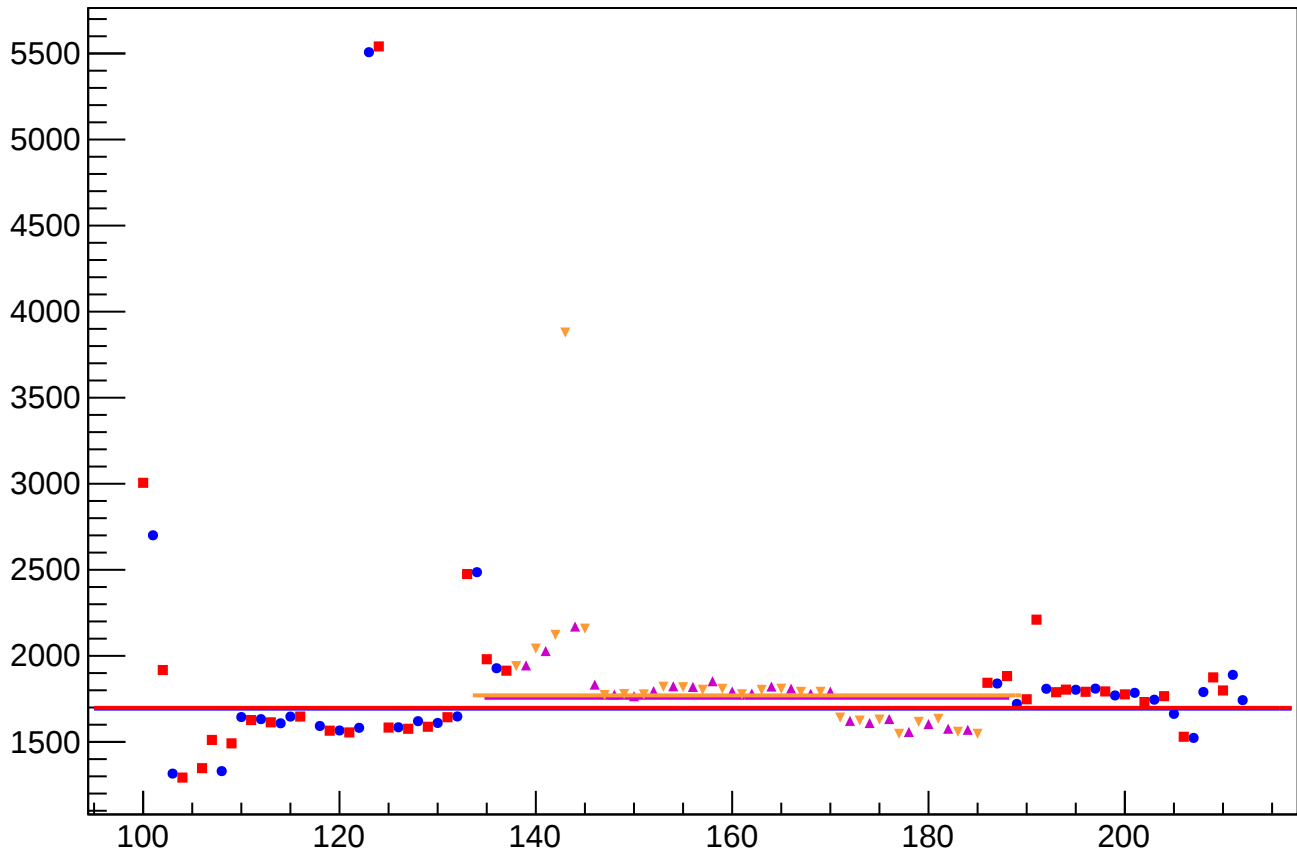
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 523.810 ± 299.106 χ^2/NDF : 43.6/54

All: 394.704 ± 211.697 χ^2/NDF : 98.6/110

- sign 265.115 ± 299.664 χ^2/NDF : 54.6/55

reg_asym_at2_dd_rms vs Slug



Right In: 1693.690 $\pm$ 0.304 χ^2 /NDF: 499007.5/29

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1697.750 $\pm$ 0.301 χ^2 /NDF: 574357.3/32

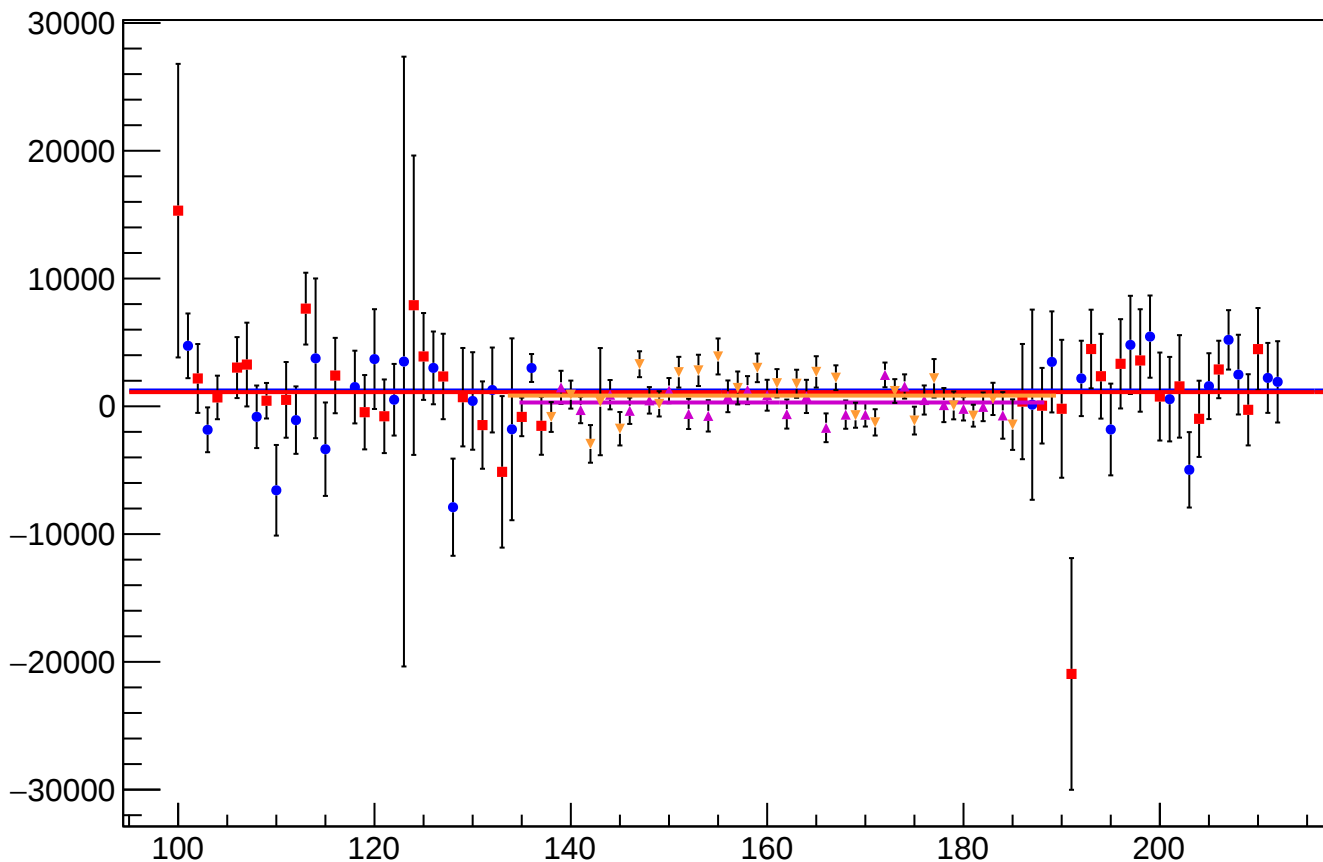
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1733.266 $\pm$ 0.211 χ^2 /NDF: 1231383.8/54

All: 1730.360 $\pm$ 0.150 χ^2 /NDF: 2048494.9/11

- sign 1727.443 $\pm$ 0.212 χ^2 /NDF: 816732.6/55

asym_at2_dd_correction_mean vs Slug



Right In: 1238.369+/-512.101 χ^2 /NDF: 34.0/29

Left Out: 839.344+/-230.465 χ^2 /NDF:54.4/24

Right Out: 1110.641+/-493.810 χ^2 /NDF: 26.0/32

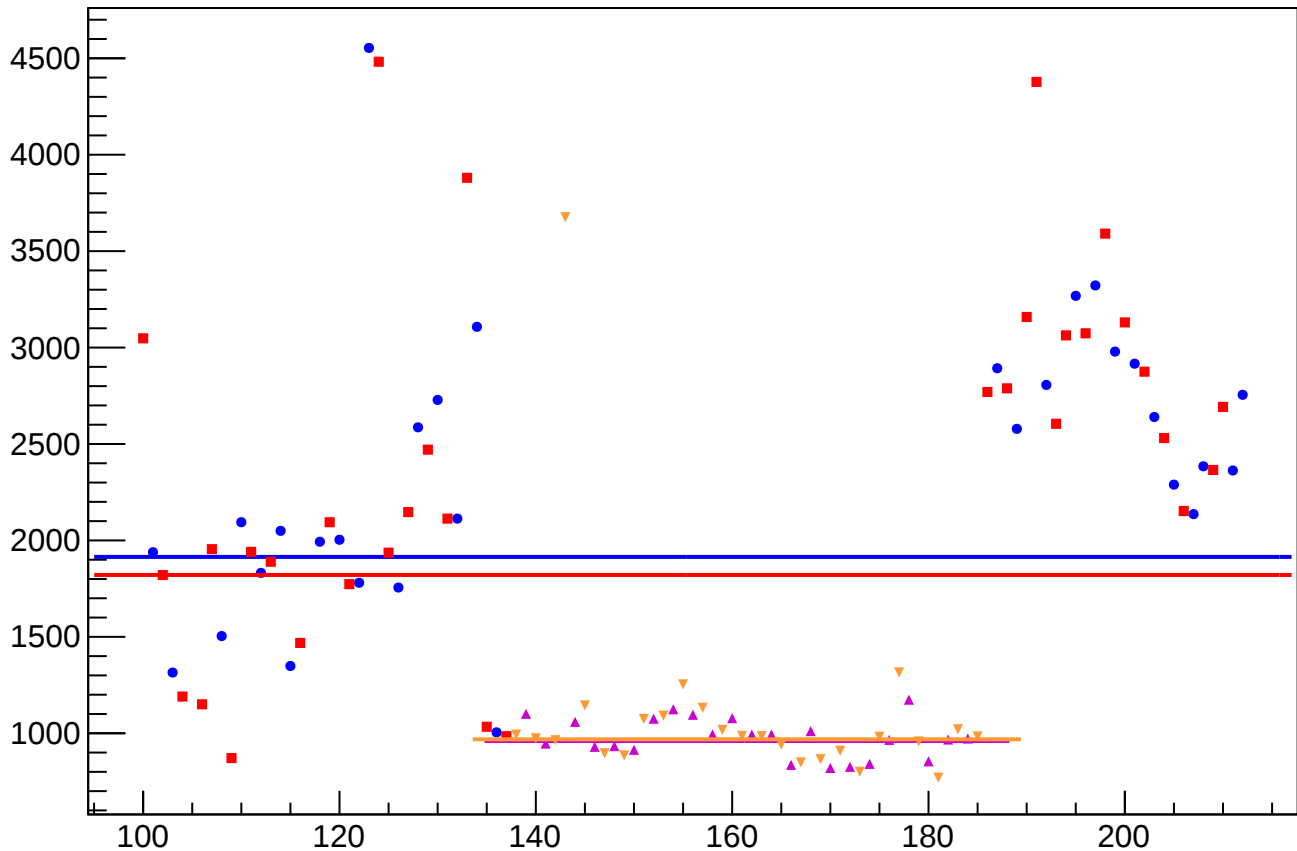
Left In: 298.801+/-231.400 χ^2 /NDF:18.3/22

+ sign 906.549+/-210.163 χ^2 /NDF: 88.9/54

All: 675.070+/-148.385 χ^2 /NDF: 137.8/110

- sign 444.973+/-209.535 χ^2 /NDF: 46.5/55

asym_at2_dd_correction_rms vs Slug



Right In: 1914.474+/-0.362 χ^2/NDF : 3634551.9/29

Left Out: 968.712+/-0.163 χ^2/NDF : 1393696.6/24

Right Out: 1820.926+/-0.349 χ^2/NDF : 5144498.8/32

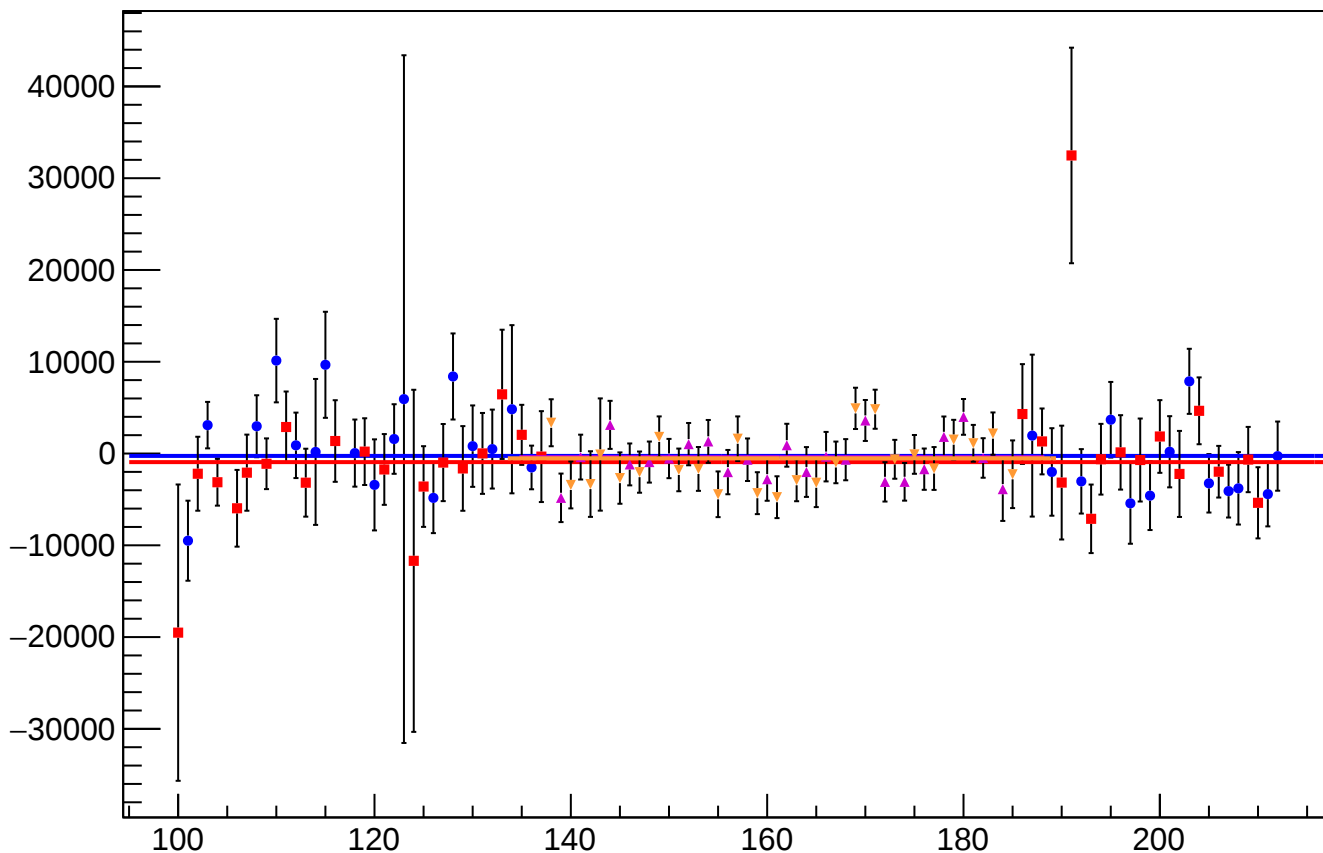
Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

+ sign 1128.000+/-0.149 χ^2/NDF : 10700882.5/54

All: 1121.405+/-0.105 χ^2/NDF : 21207368.4/100

- sign 1114.850+/-0.148 χ^2/NDF : 10502558.8/55

asym_at2_dd_mean vs Slug



Right In: -259.201 ± 713.902 χ^2/NDF : 36.2/29

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -935.513 ± 704.801 χ^2/NDF : 24.9/32

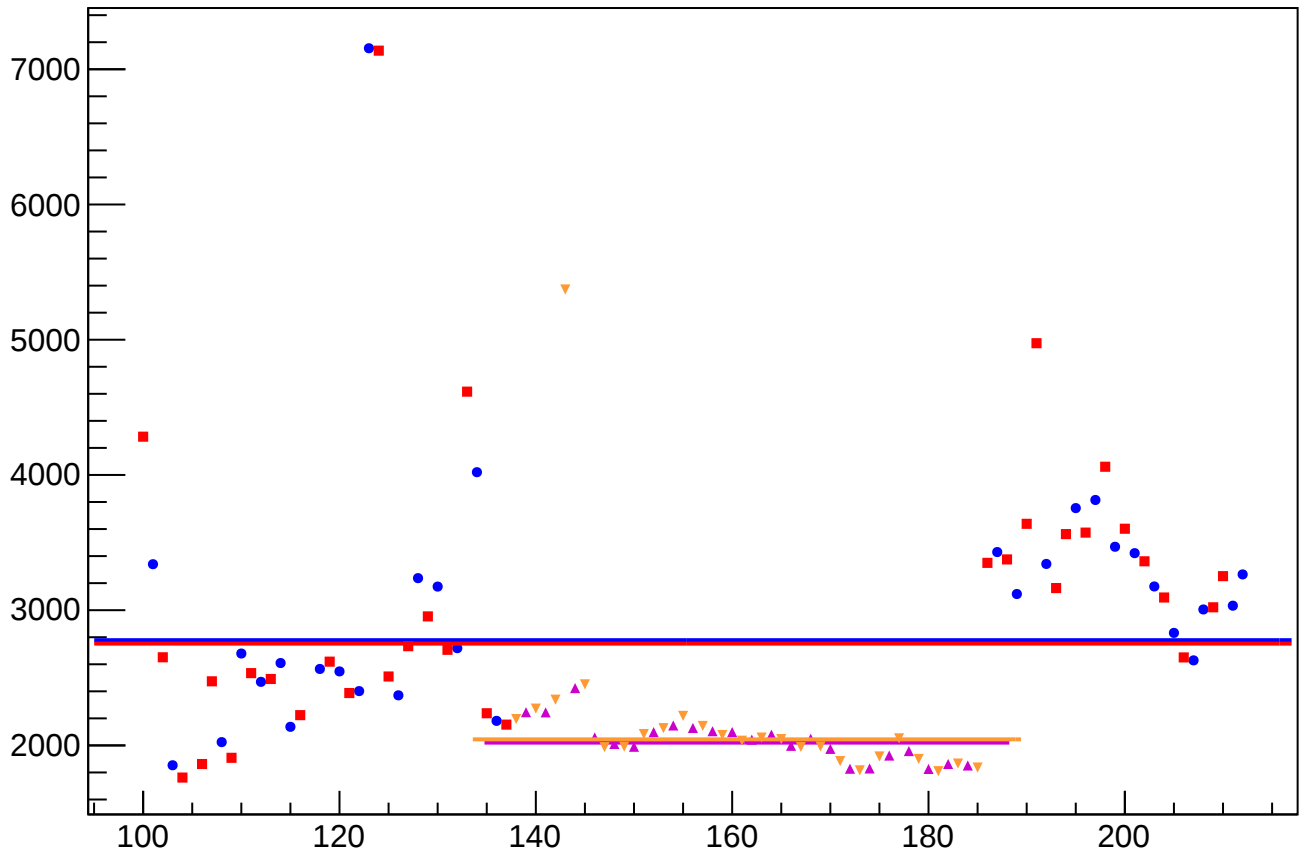
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -436.892 ± 399.182 χ^2/NDF : 70.3/54

All: -503.556 ± 282.401 χ^2/NDF : 117.5/110

- sign -570.349 ± 399.568 χ^2/NDF : 47.1/55

asym_at2_dd_rms vs Slug



Right In: 2778.138 $\pm$ 0.505 χ^2 /NDF: 1220626.3/29

Left Out: 2044.722 $\pm$ 0.340 χ^2 /NDF: 788703.5/24

Right Out: 2752.924 $\pm$ 0.498 χ^2 /NDF: 1761489.5/32

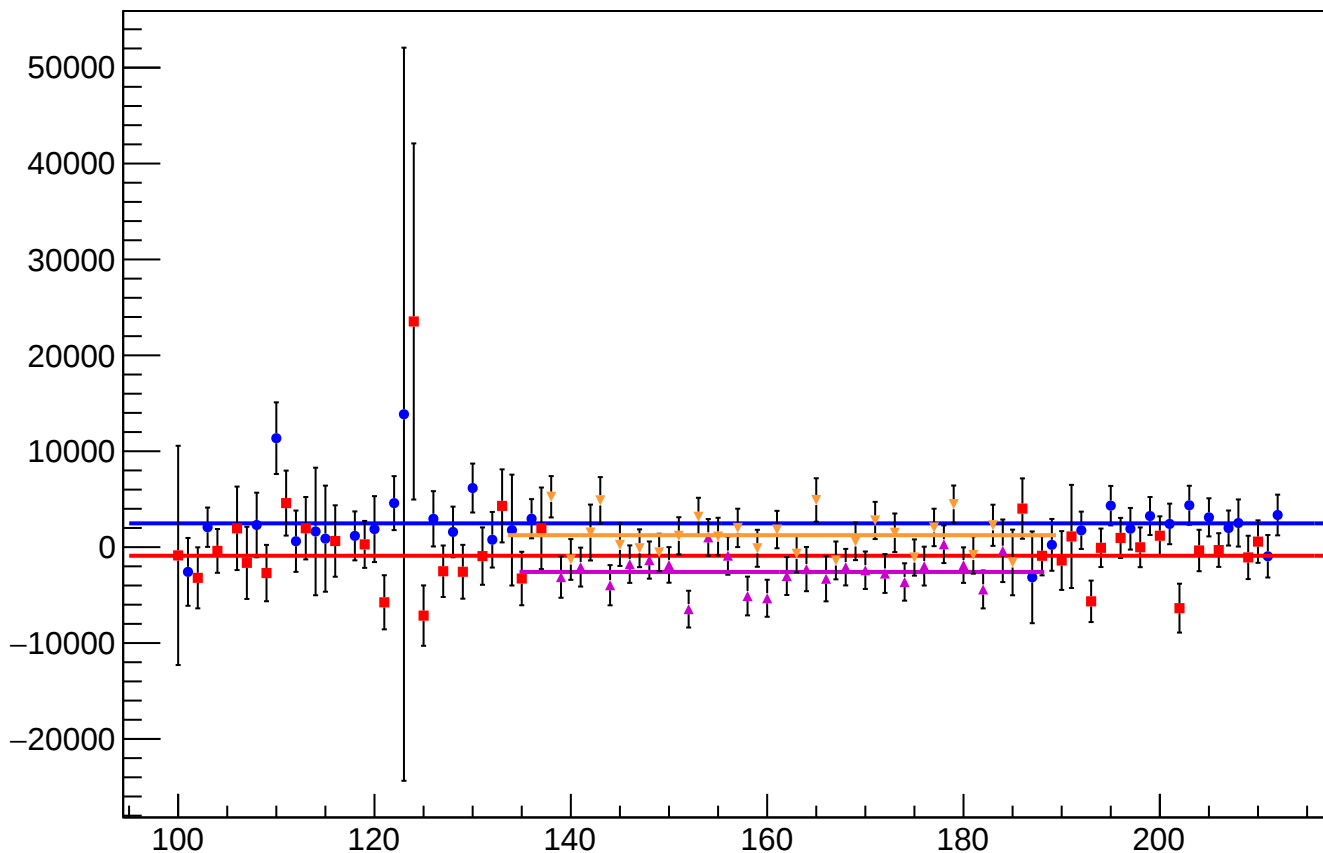
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2274.029 $\pm$ 0.282 χ^2 /NDF: 3460199.7/54

All: 2265.077 $\pm$ 0.200 χ^2 /NDF: 6861671.4/11

- sign 2256.108 $\pm$ 0.283 χ^2 /NDF: 3399458.4/55

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2480.454 ± 468.349 χ^2/NDF : 18.6/29

Left Out: 1249.917 ± 412.486 χ^2/NDF : 23.0/24

Right Out: -897.408 ± 468.339 χ^2/NDF : 32.5/32

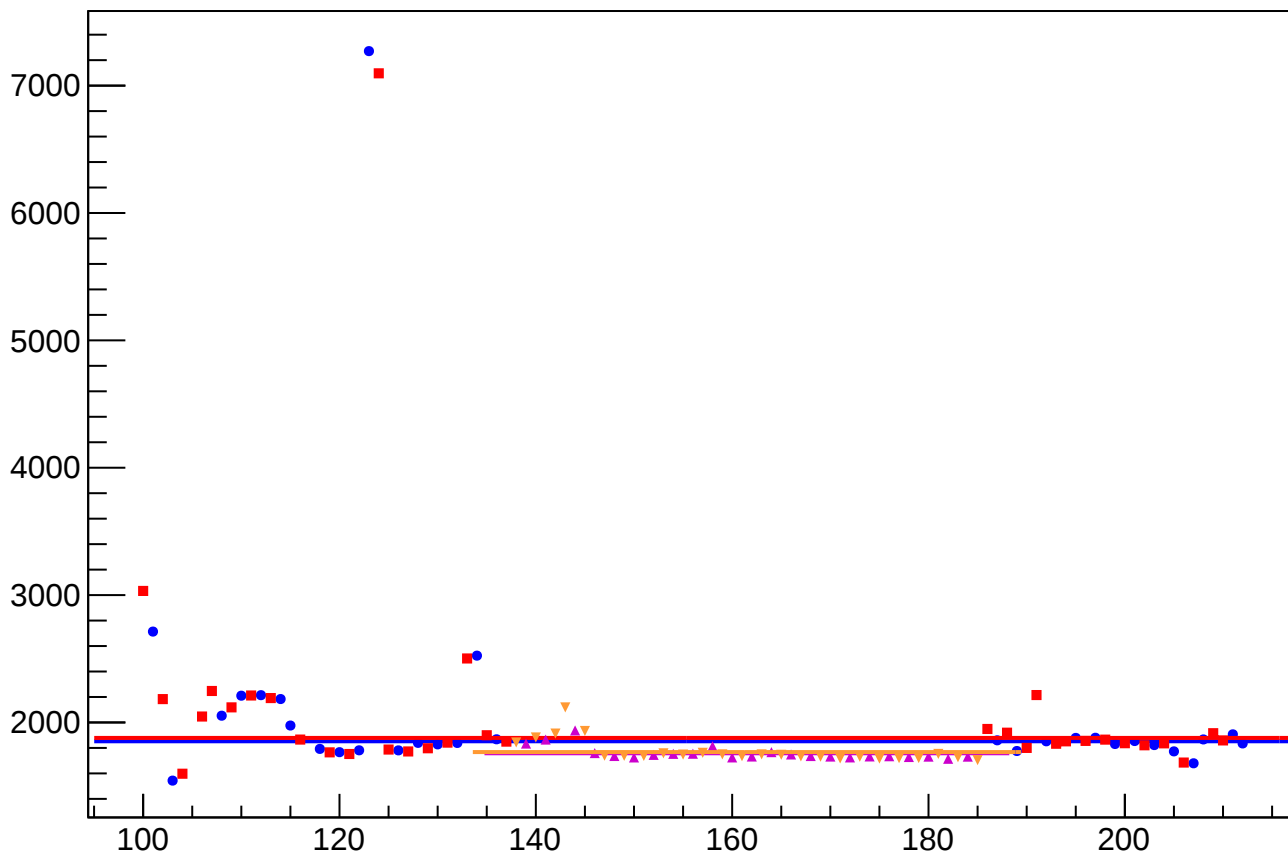
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1787.456 ± 309.548 χ^2/NDF : 45.5/54

All: 0.130 ± 220.199 χ^2/NDF : 170.1/110

- sign -1830.839 ± 313.304 χ^2/NDF : 57.1/55

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1852.195+/-0.331 χ^2/NDF : 318952.3/29

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1878.601+/-0.331 χ^2/NDF : 409772.4/32

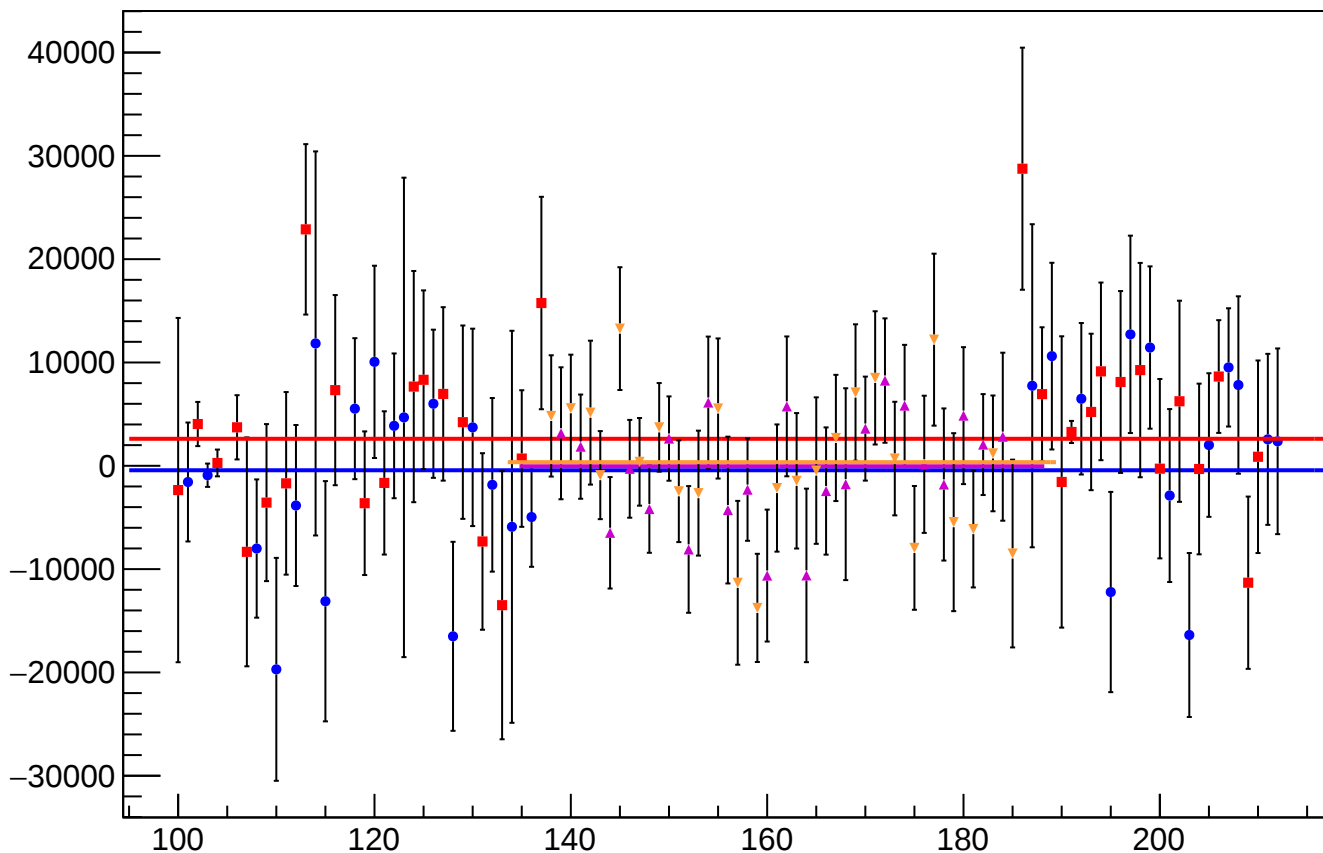
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1804.507+/-0.219 χ^2/NDF : 433445.8/54

All: 1808.235+/-0.156 χ^2/NDF : 946840.5/110

- sign 1812.051+/-0.221 χ^2/NDF : 512807.8/55

asym_atl1r2_avg_correction_mean vs Slug



Right In: -432.190 ± 903.564 χ^2/NDF : 30.8/29

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2615.193 ± 676.122 χ^2/NDF : 30.6/32

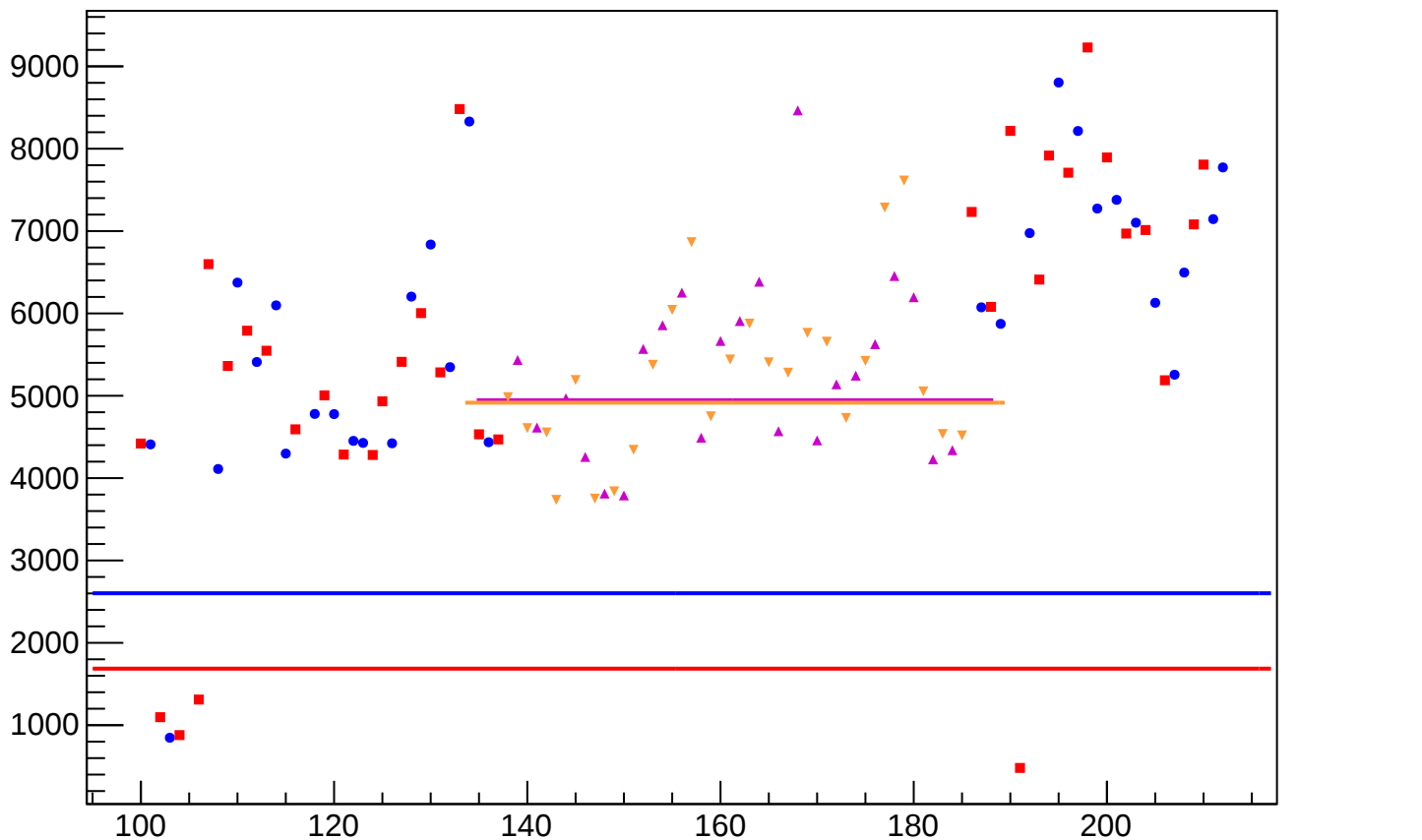
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -139.525 ± 715.144 χ^2/NDF : 58.9/54

All: 1122.483 ± 455.079 χ^2/NDF : 114.5/110

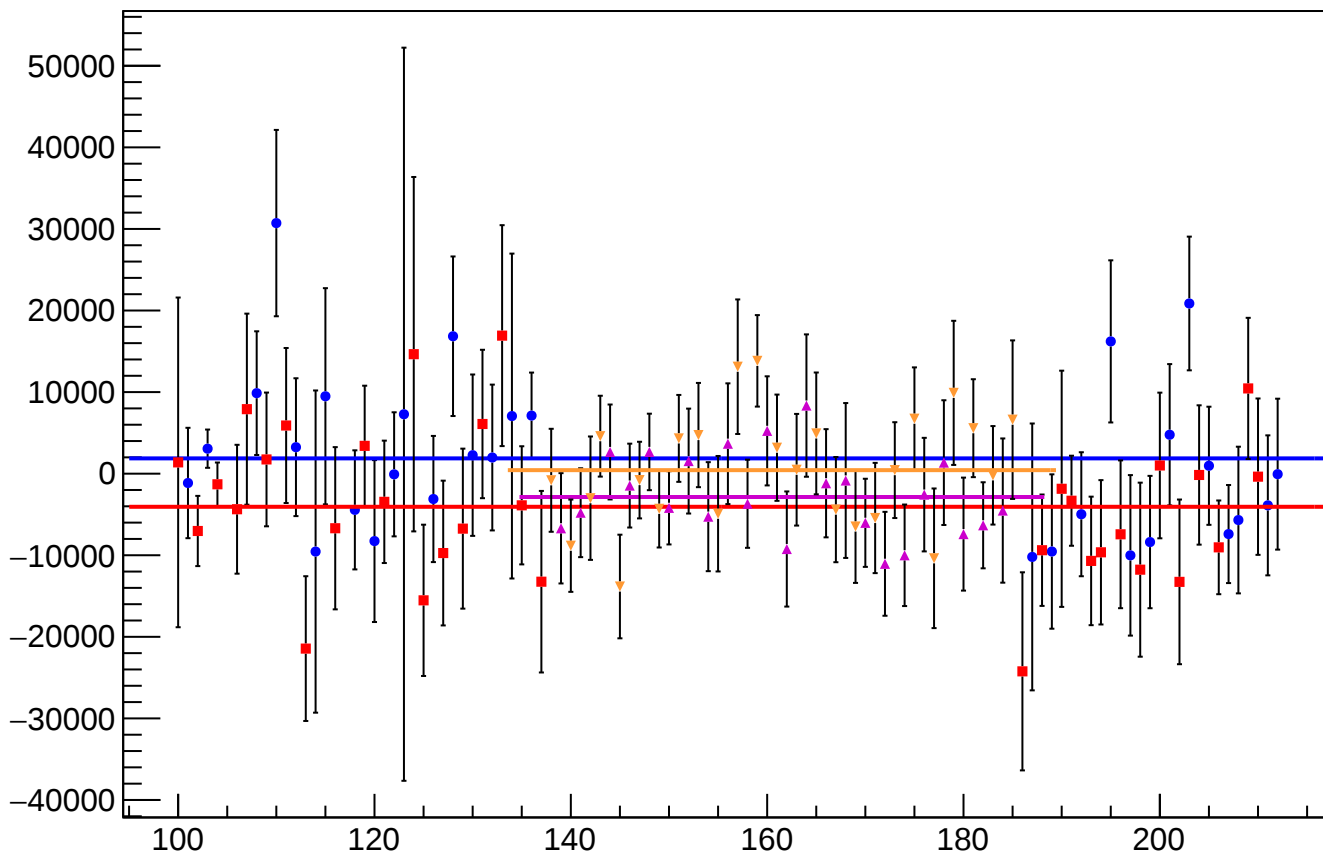
- sign 1981.267 ± 589.935 χ^2/NDF : 50.3/55

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2601.967+/-0.639	χ^2/NDF : 14935736.6/29	+ sign 3466.381+/-0.506	χ^2/NDF : 21022012.3/54
Left Out: 4915.865+/-0.827	χ^2/NDF : 1186479.7/24	All: 2870.214+/-0.322	χ^2/NDF : 55073492.5/100
Right Out: 1686.566+/-0.478	χ^2/NDF : 19434307.3/32	- sign 2464.529+/-0.417	χ^2/NDF : 31715798.6/55
Left In: 4945.817+/-0.854	χ^2/NDF : 1188288.6/22		

asym_atl1r2_avg_mean vs Slug



Right In: 1873.893 $\pm$ 1328.474 χ^2 /NDF: 31.4/29

Left Out: 430.860 $\pm$ 1258.273 χ^2 /NDF:27.1/24

Right Out: -4059.414 $\pm$ 1298.537 χ^2 /NDF: 26.5/32

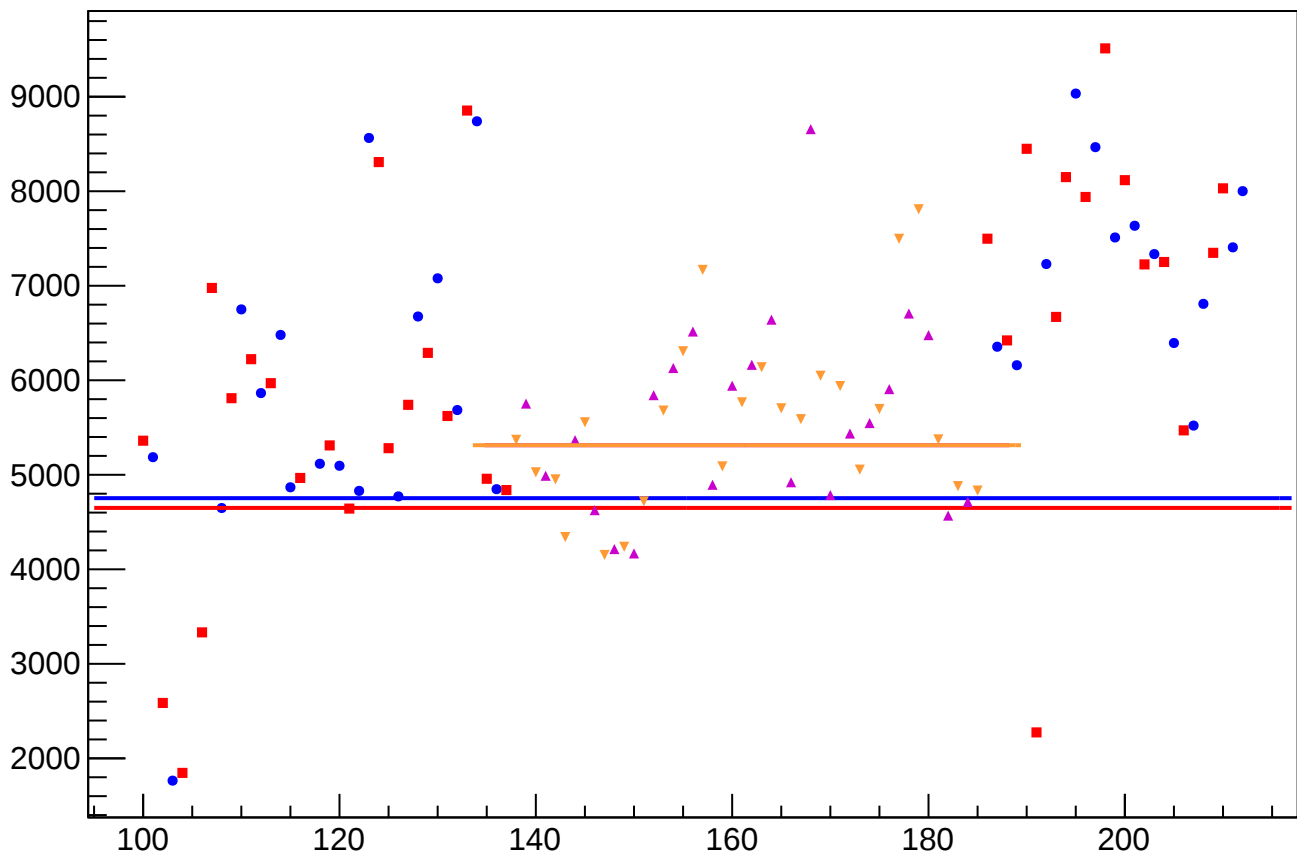
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1113.243 $\pm$ 913.543 χ^2 /NDF: 59.1/54

All: -1165.717 $\pm$ 646.840 χ^2 /NDF: 111.4/110

- sign -3456.959 $\pm$ 916.001 χ^2 /NDF: 39.8/55

asym_atl1r2_avg_rms vs Slug



Right In: 4752.857+/-0.939 χ^2/NDF : 5942014.8/29

Left Out: 5313.008+/-0.890 χ^2/NDF : 894369.8/24

Right Out: 4649.672+/-0.914 χ^2/NDF : 6331624.2/32

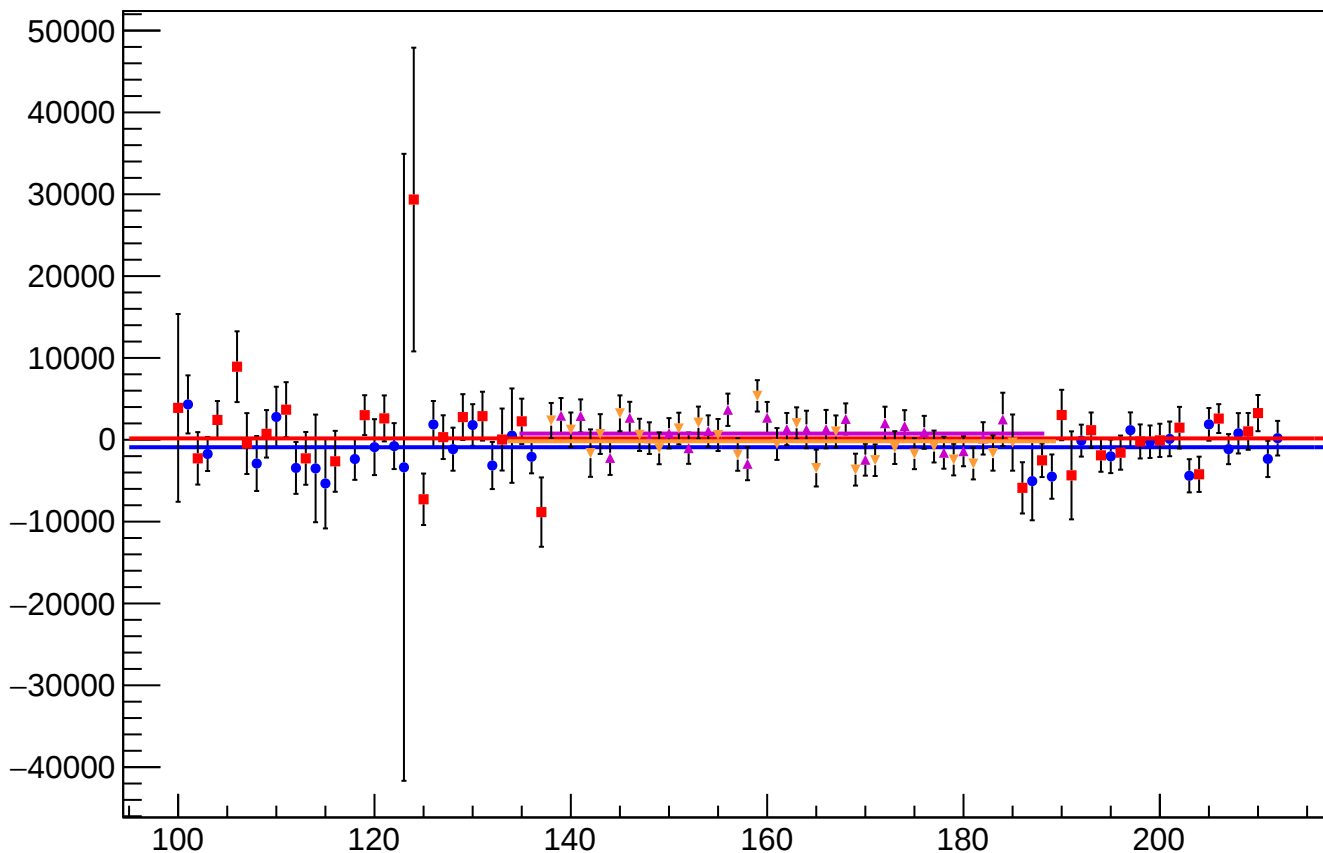
Left In: 5312.861+/-0.914 χ^2/NDF : 957400.7/22

+ sign 5048.123+/-0.646 χ^2/NDF : 7023816.4/54

All: 5014.782+/-0.457 χ^2/NDF : 14581407.0/100

- sign 4981.408+/-0.646 χ^2/NDF : 7552260.1/55

reg_asym_atl1r2_dd_mean vs Slug



Right In: -909.184 ± 468.025 χ^2/NDF : 18.9/29

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: 168.199 ± 467.911 χ^2/NDF : 42.4/32

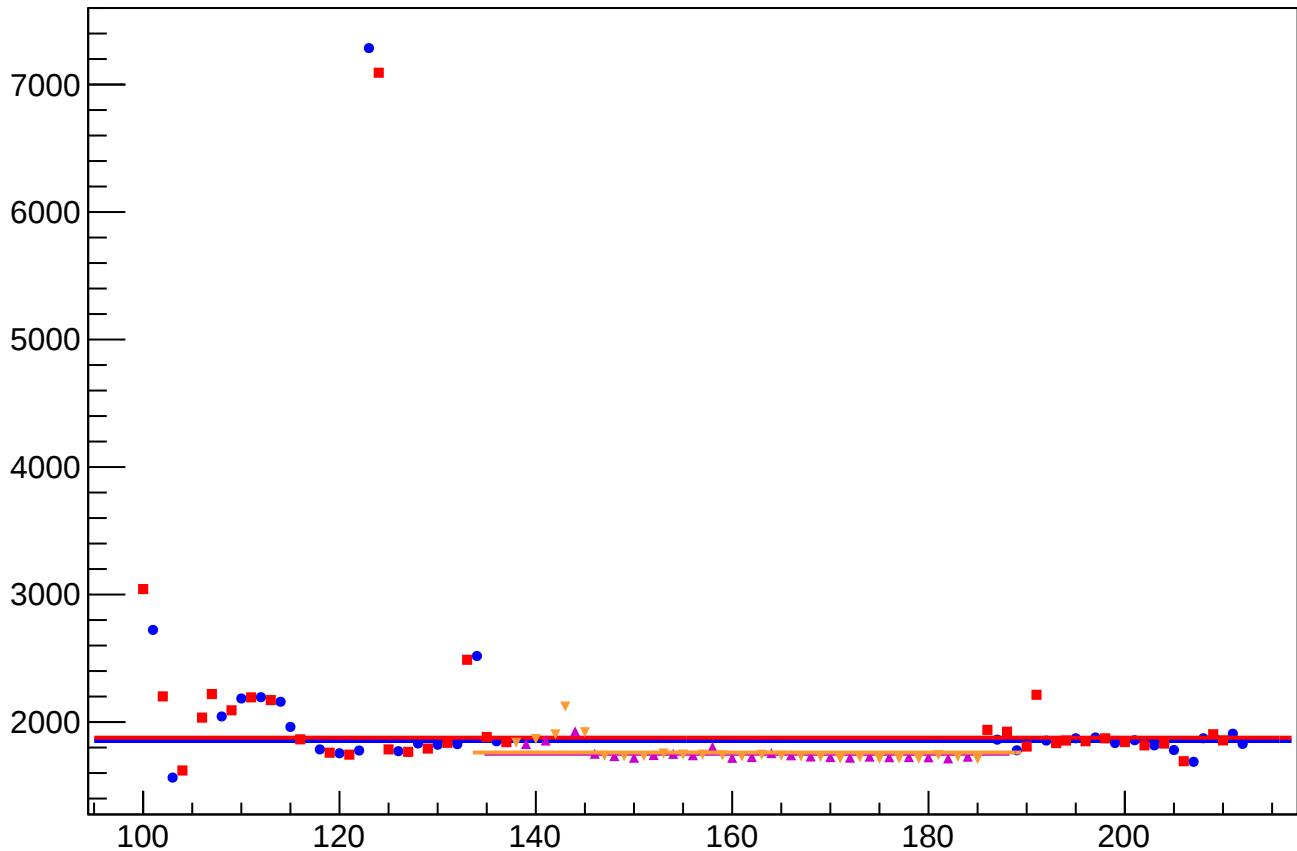
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -497.348 ± 308.815 χ^2/NDF : 49.5/54

All: -6.655 ± 219.662 χ^2/NDF : 118.2/110

- sign 495.869 ± 312.516 χ^2/NDF : 63.6/55

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.324+/-0.331 χ^2/NDF : 306569.0/29

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1877.538+/-0.331 χ^2/NDF : 394833.5/32

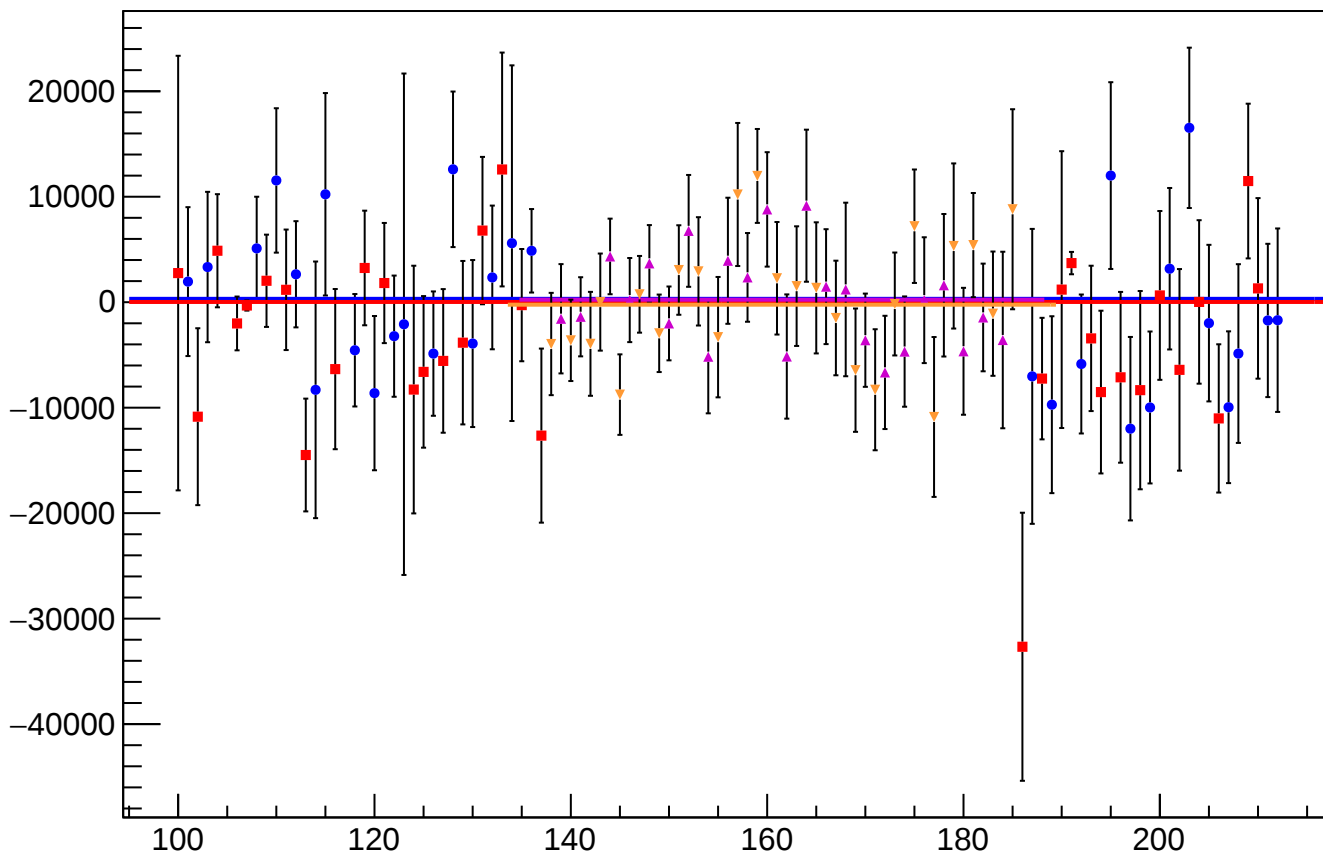
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1800.376+/-0.218 χ^2/NDF : 426012.8/54

All: 1804.004+/-0.155 χ^2/NDF : 930525.1/110

- sign 1807.717+/-0.221 χ^2/NDF : 503953.7/55

asym_atl1r2_dd_correction_mean vs Slug



Right In: 319.755 $\pm$ 1287.291 χ^2 /NDF: 29.4/29

Left Out: -235.806 $\pm$ 1005.144 χ^2 /NDF:28.9/24

Right Out: 23.138 $\pm$ 409.983 χ^2 /NDF: 48.0/32

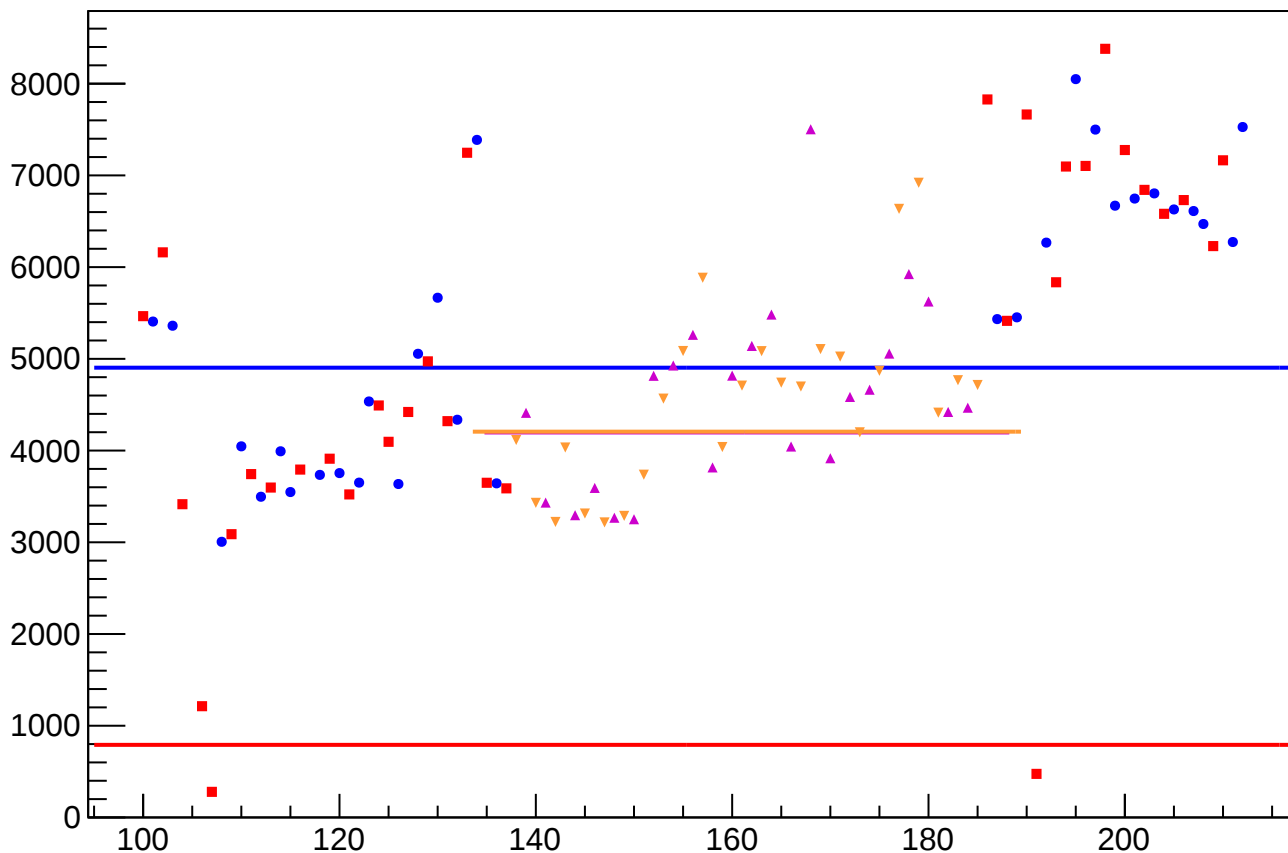
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF:15.3/22

+ sign -25.382 $\pm$ 792.243 χ^2 /NDF: 58.4/54

All: 38.081 $\pm$ 343.255 χ^2 /NDF: 121.8/110

- sign 52.747 $\pm$ 380.860 χ^2 /NDF: 63.4/55

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4903.560+/-0.910 χ^2/NDF : 2602683.8/29

Left Out: 4206.076+/-0.711 χ^2/NDF : 1442269.3/24

Right Out: 791.491+/-0.290 χ^2/NDF : 24975089.1/32

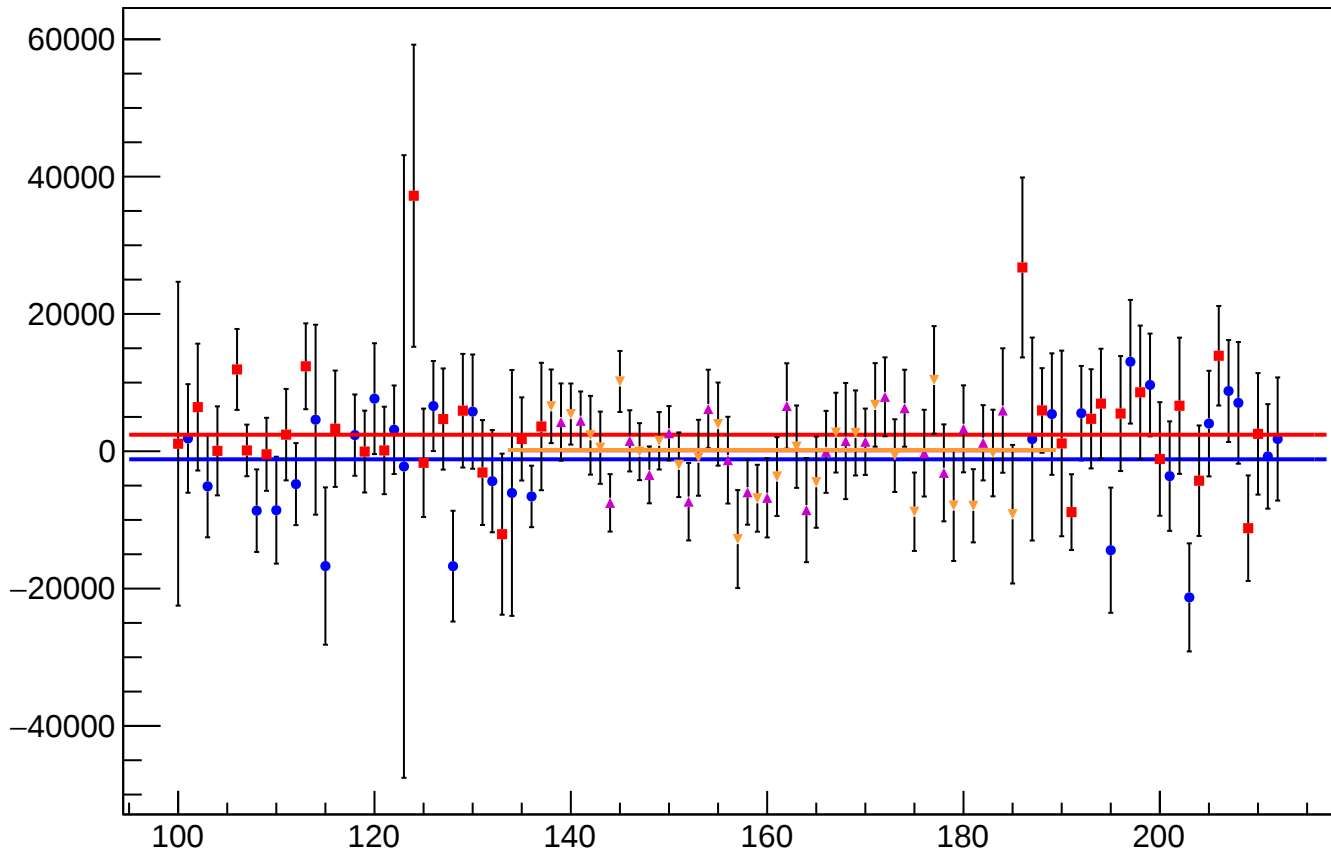
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4470.254+/-0.560 χ^2/NDF : 4409710.7/54

All: 1861.151+/-0.243 χ^2/NDF : 76472399.4/1

- sign 1258.167+/-0.269 χ^2/NDF : 45357708.8/55

asym_atl1r2_dd_mean vs Slug



Right In: -1172.093 ± 1411.863 χ^2/NDF : 32.9/29

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2408.473 ± 1269.262 χ^2/NDF : 27.2/32

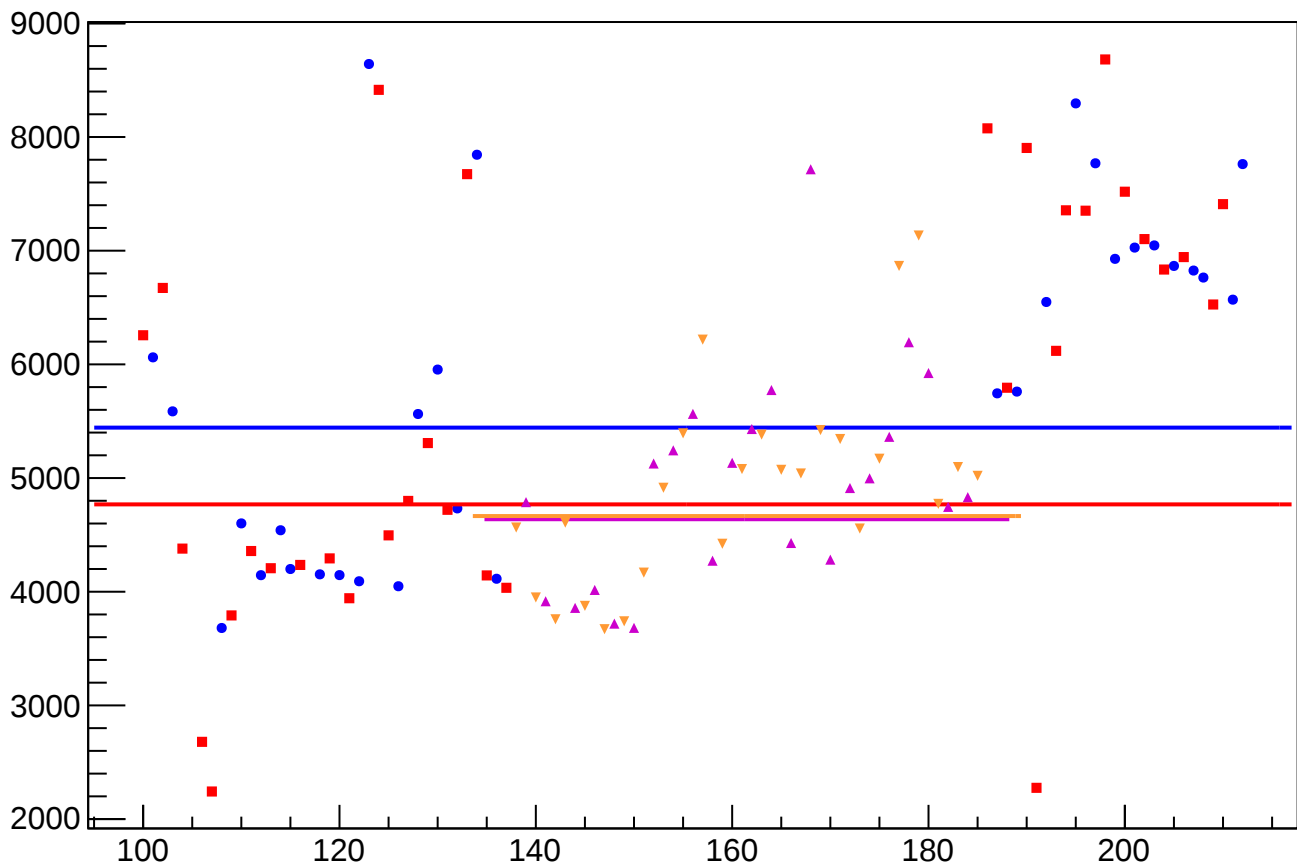
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -328.657 ± 871.077 χ^2/NDF : 58.4/54

All: 429.637 ± 606.087 χ^2/NDF : 107.5/110

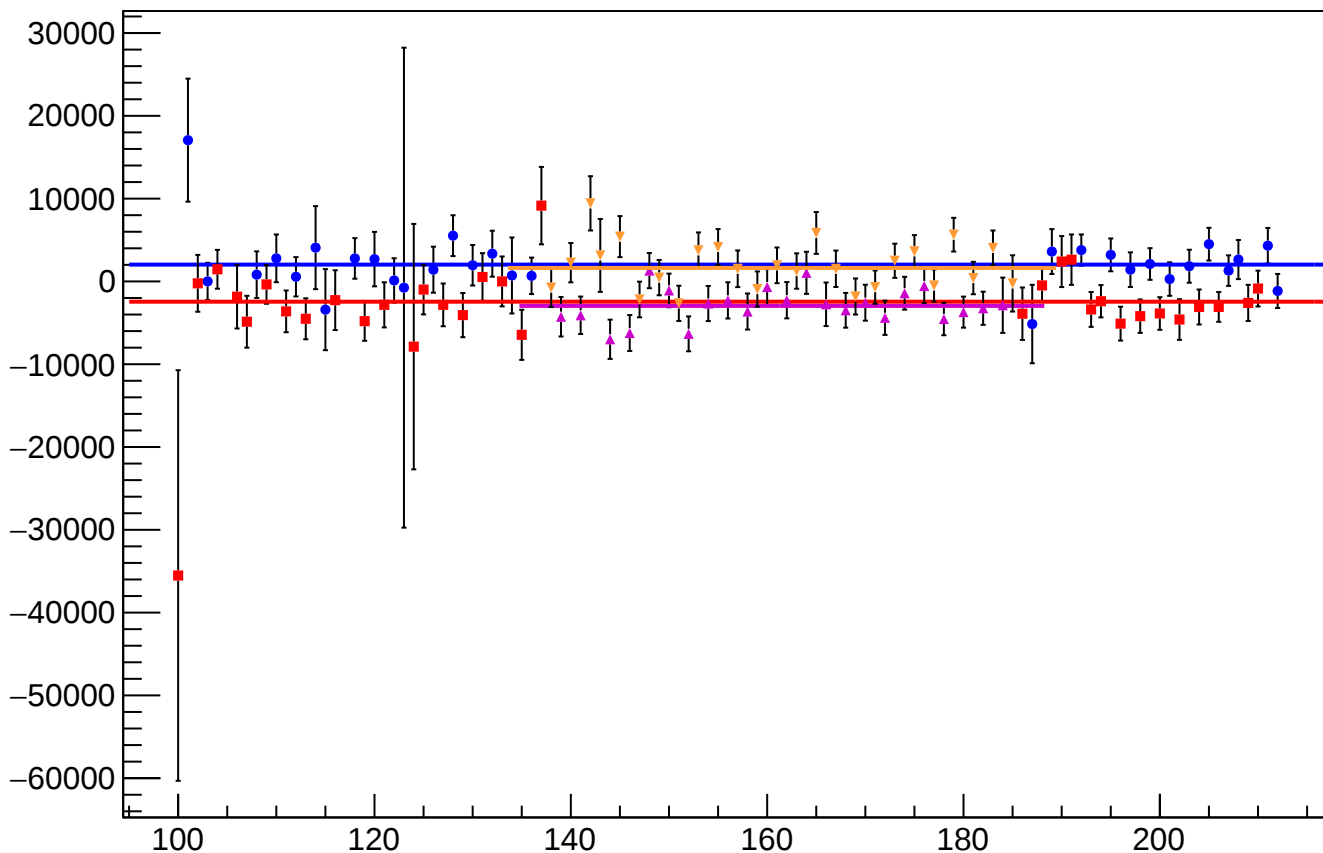
- sign 1141.259 ± 843.845 χ^2/NDF : 47.6/55

asym_atl1r2_dd_rms vs Slug



Right In: 5443.582+/-0.998	χ^2/NDF : 1892046.2/29	+ sign 4961.753+/-0.616	χ^2/NDF : 3285375.7/54
Left Out: 4665.620+/-0.783	χ^2/NDF : 1017235.0/24	All: 4824.281+/-0.428	χ^2/NDF : 8546692.7/11
Right Out: 4768.319+/-0.894	χ^2/NDF : 4087851.7/32	- sign 4695.746+/-0.596	χ^2/NDF : 5164928.6/55
Left In: 4637.777+/-0.799	χ^2/NDF : 1065217.2/22		

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2031.143 $\pm$ 453.340 χ^2 /NDF: 20.4/29

Left Out: 1630.035 $\pm$ 447.063 χ^2 /NDF: 35.4/24

Right Out: -2448.373 $\pm$ 445.665 χ^2 /NDF: 29.8/32

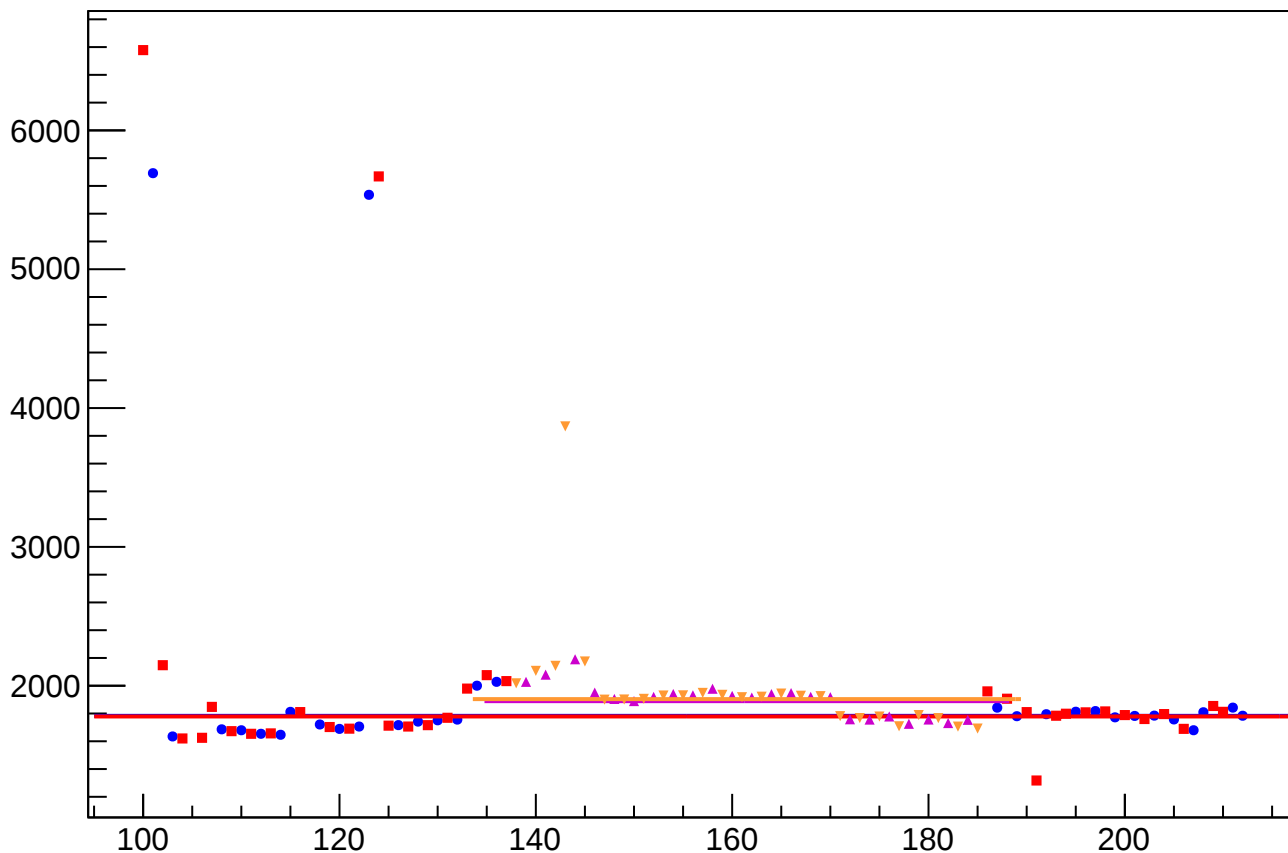
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1827.793 $\pm$ 318.318 χ^2 /NDF: 56.2/54

All: -438.325 $\pm$ 224.948 χ^2 /NDF: 208.3/110

- sign -2698.945 $\pm$ 317.931 χ^2 /NDF: 50.9/55

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1783.077 $\pm$ 0.321 χ^2 /NDF: 654507.7/29

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1778.656 $\pm$ 0.314 χ^2 /NDF: 376632.8/32

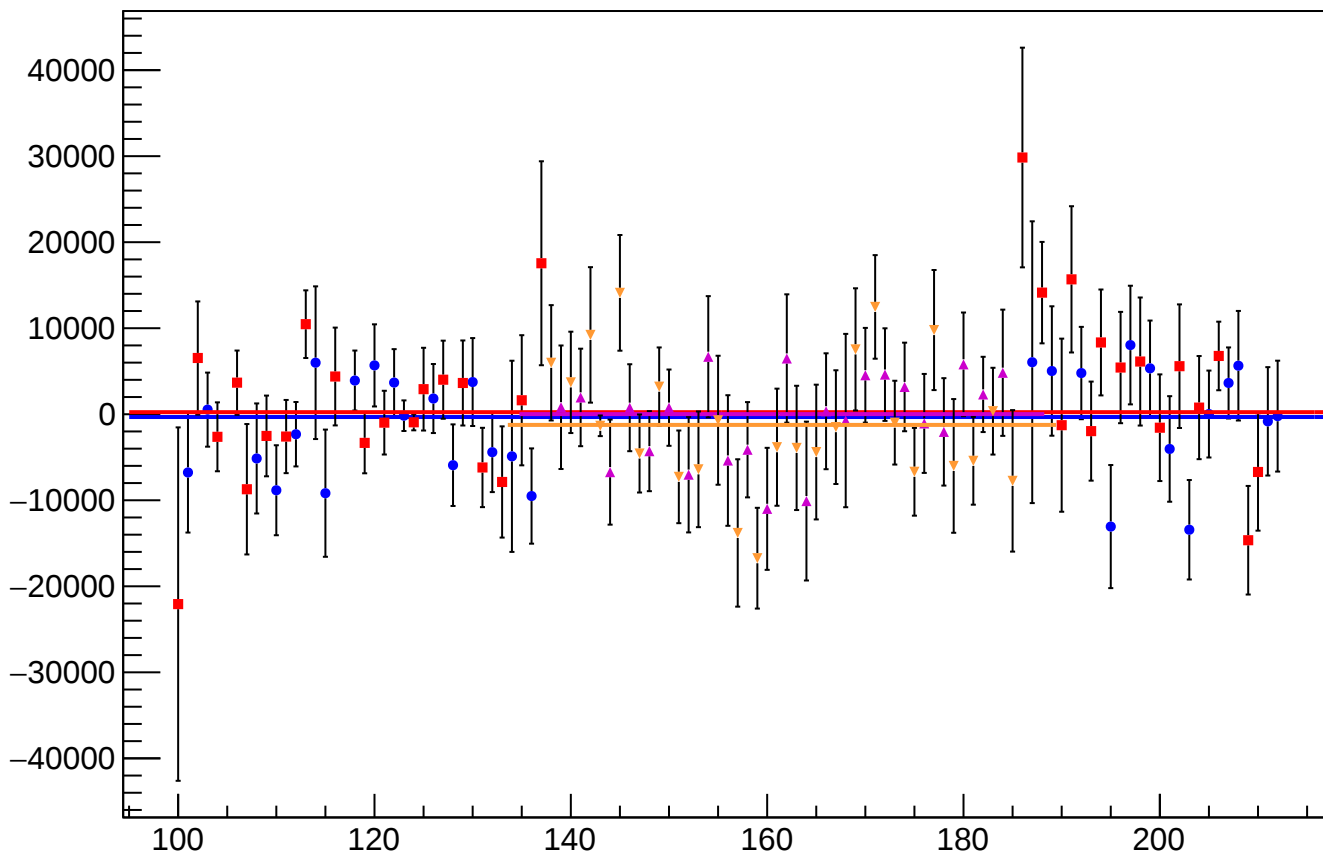
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1844.188 $\pm$ 0.225 χ^2 /NDF: 1267769.5/54

All: 1838.402 $\pm$ 0.159 χ^2 /NDF: 1832439.6/11

- sign 1832.647 $\pm$ 0.224 χ^2 /NDF: 563352.0/55

asym_atr1l2_avg_correction_mean vs Slug



Right In: -322.998 ± 865.248 χ^2/NDF : 31.0/29

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: 240.883 ± 668.483 χ^2/NDF : 50.1/32

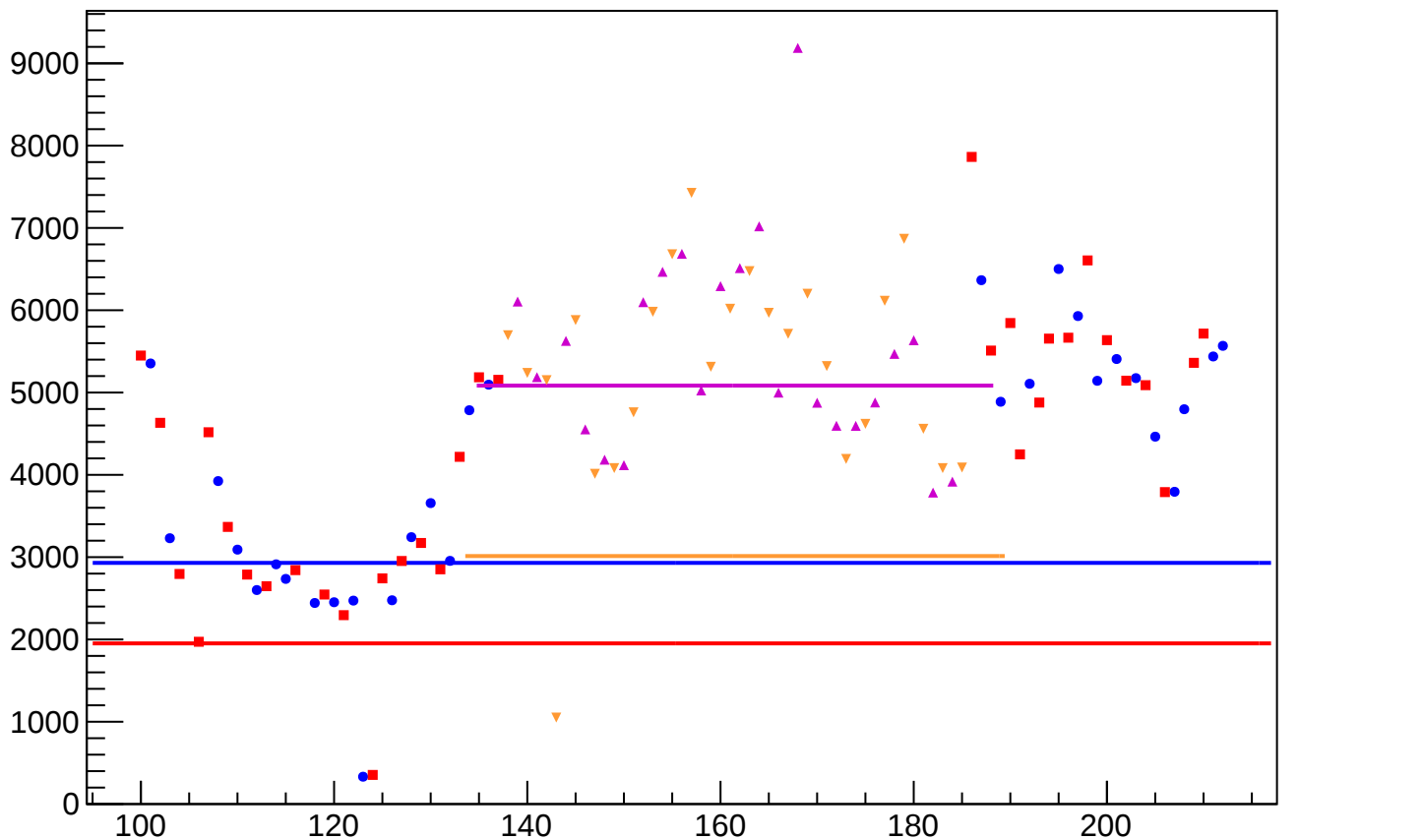
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -781.440 ± 611.806 χ^2/NDF : 65.5/54

All: -276.874 ± 424.236 χ^2/NDF : 130.2/110

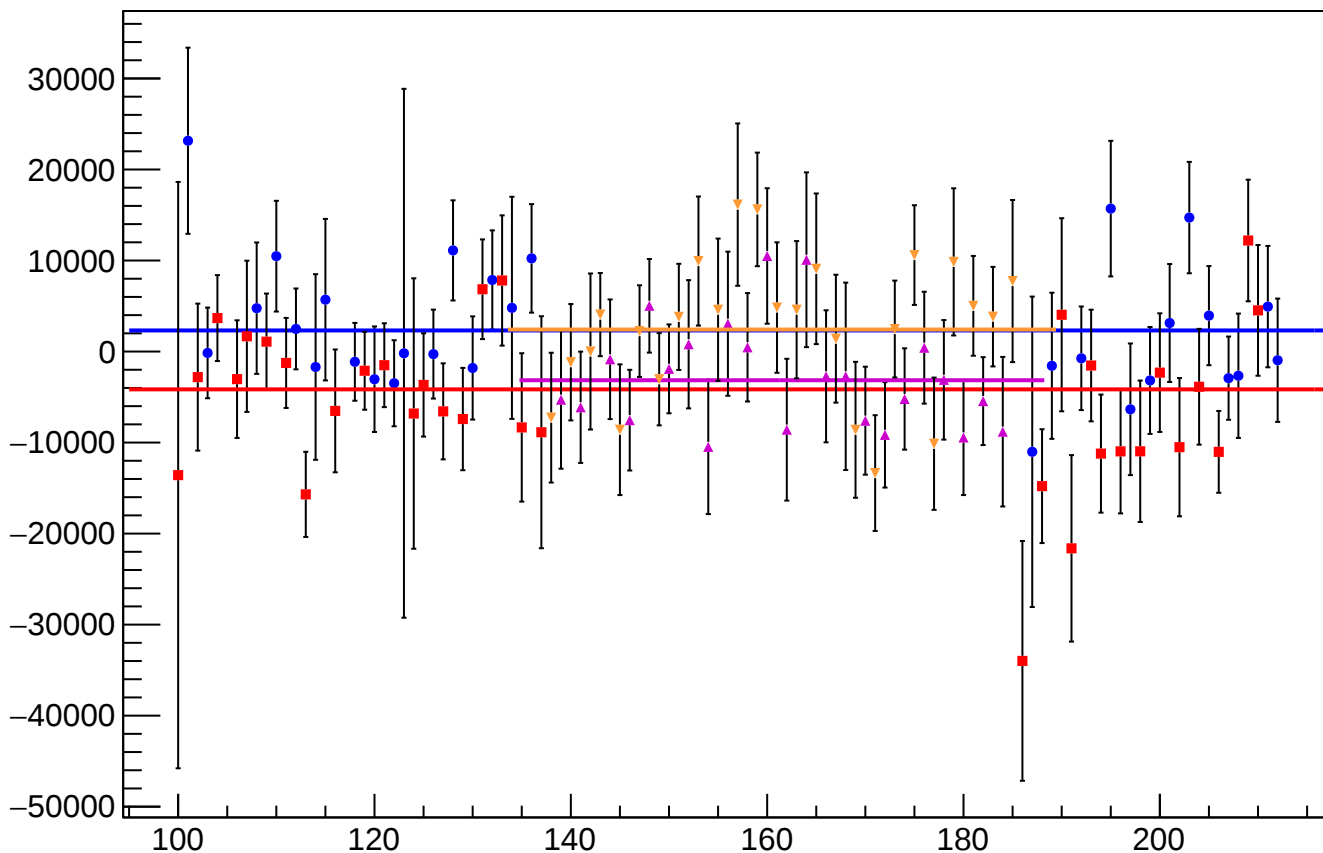
- sign 190.422 ± 588.777 χ^2/NDF : 63.4/55

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2930.329+/-0.612	χ^2/NDF : 8578920.8/29	+ sign 2971.801+/-0.433	χ^2/NDF : 20858863.6/54
Left Out: 3013.268+/-0.612	χ^2/NDF : 12270753.9/24	All: 2807.144+/-0.300	χ^2/NDF : 47941521.9/1
Right Out: 1952.189+/-0.473	χ^2/NDF : 15651854.7/32	- sign 2654.650+/-0.416	χ^2/NDF : 26803630.8/55
Left In: 5084.645+/-0.879	χ^2/NDF : 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2318.048 $\pm$ 1126.527 χ^2 /NDF: 29.0/29

Left Out: 2417.210 $\pm$ 1286.482 χ^2 /NDF:29.9/24

Right Out: -4155.148 $\pm$ 1105.690 χ^2 /NDF: 44.5/32

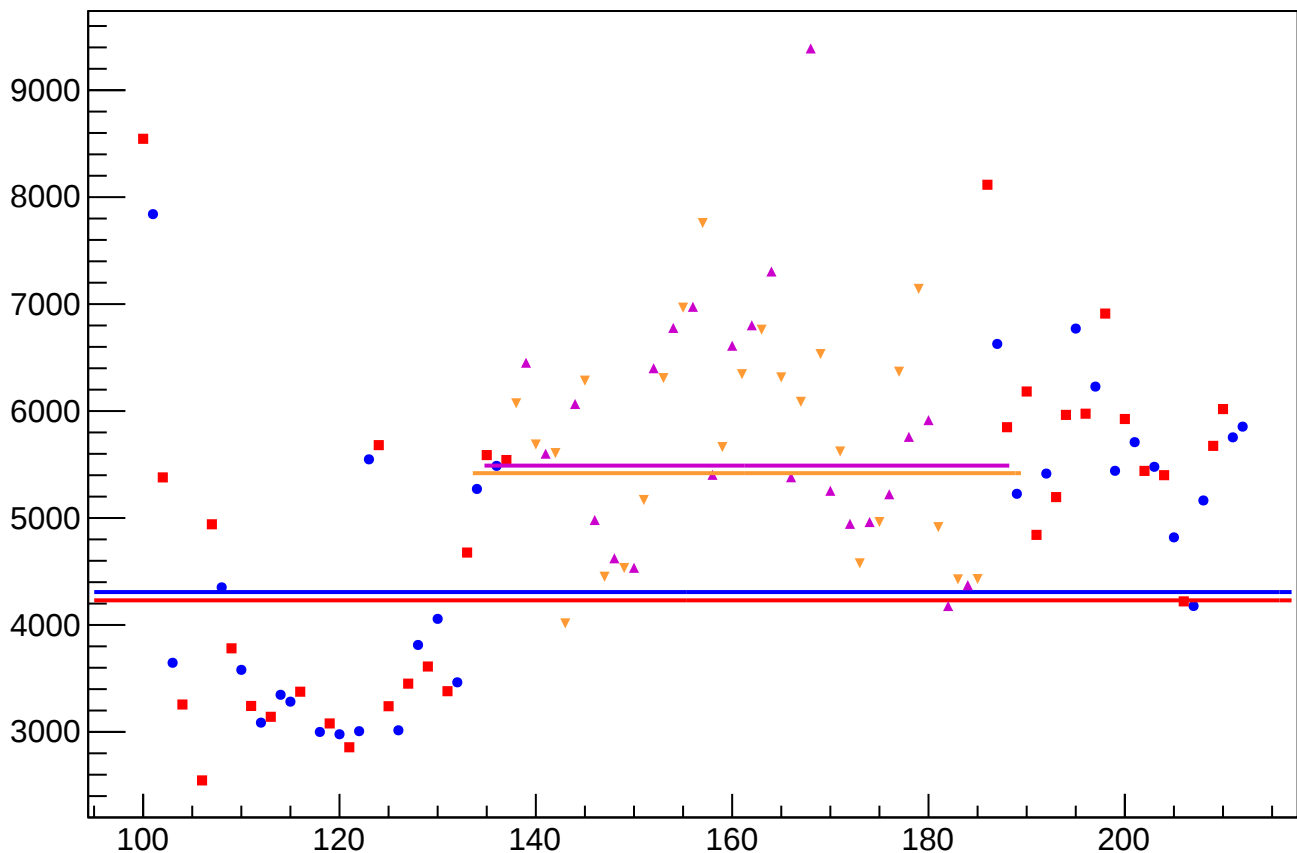
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

+ sign 2361.084 $\pm$ 847.519 χ^2 /NDF: 58.8/54

All: -676.988 $\pm$ 600.922 χ^2 /NDF: 145.0/110

- sign -3748.447 $\pm$ 852.163 χ^2 /NDF: 60.4/55

asym_atr1l2_avg_rms vs Slug



Right In: 4307.577+/-0.797 χ^2/NDF : 2234300.8/29

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 4230.090+/-0.775 χ^2/NDF : 2649967.4/32

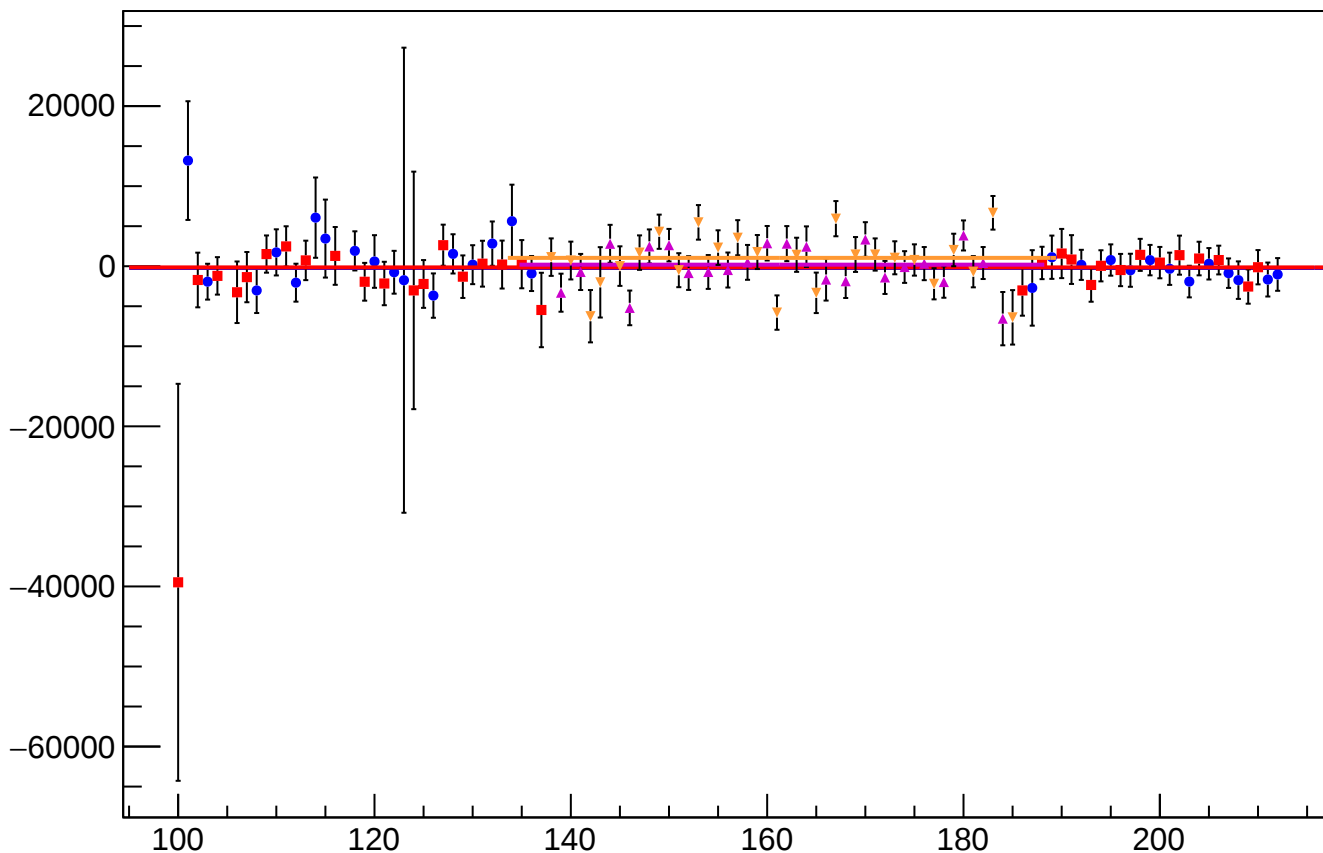
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4790.066+/-0.599 χ^2/NDF : 4189623.3/54

All: 4763.082+/-0.424 χ^2/NDF : 8969872.7/11

- sign 4736.094+/-0.599 χ^2/NDF : 4776194.1/55

reg_asym_atr1l2_dd_mean vs Slug



Right In: -218.978 ± 450.967 χ^2/NDF : 17.0/29

Left Out: 1041.262 ± 446.249 χ^2/NDF : 48.6/24

Right Out: -149.895 ± 443.318 χ^2/NDF : 15.3/32

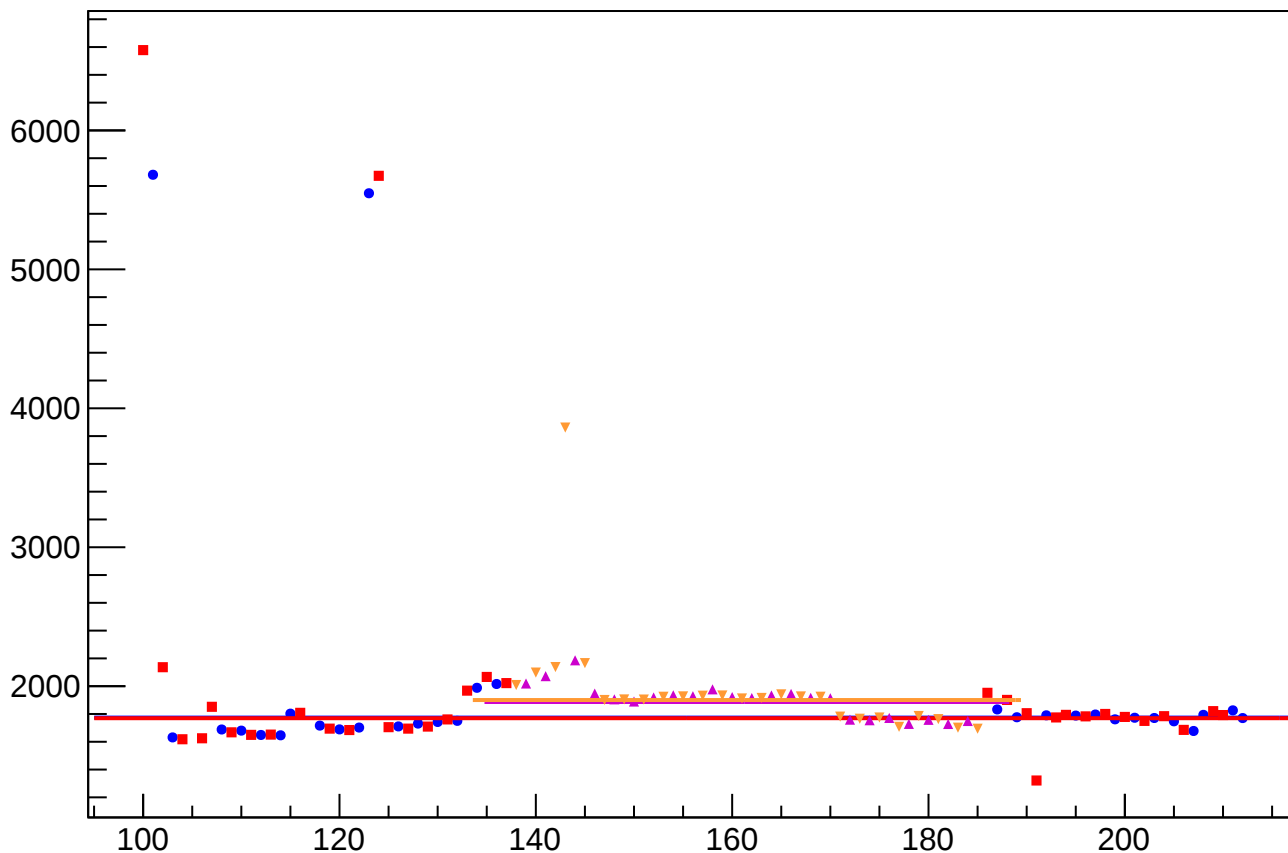
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 417.769 ± 317.201 χ^2/NDF : 69.6/54

All: 217.330 ± 224.174 χ^2/NDF : 116.0/110

- sign 17.323 ± 316.859 χ^2/NDF : 45.6/55

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1773.888 $\pm$ 0.319 χ^2 /NDF: 651135.0/29

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1769.565 $\pm$ 0.313 χ^2 /NDF: 371263.3/32

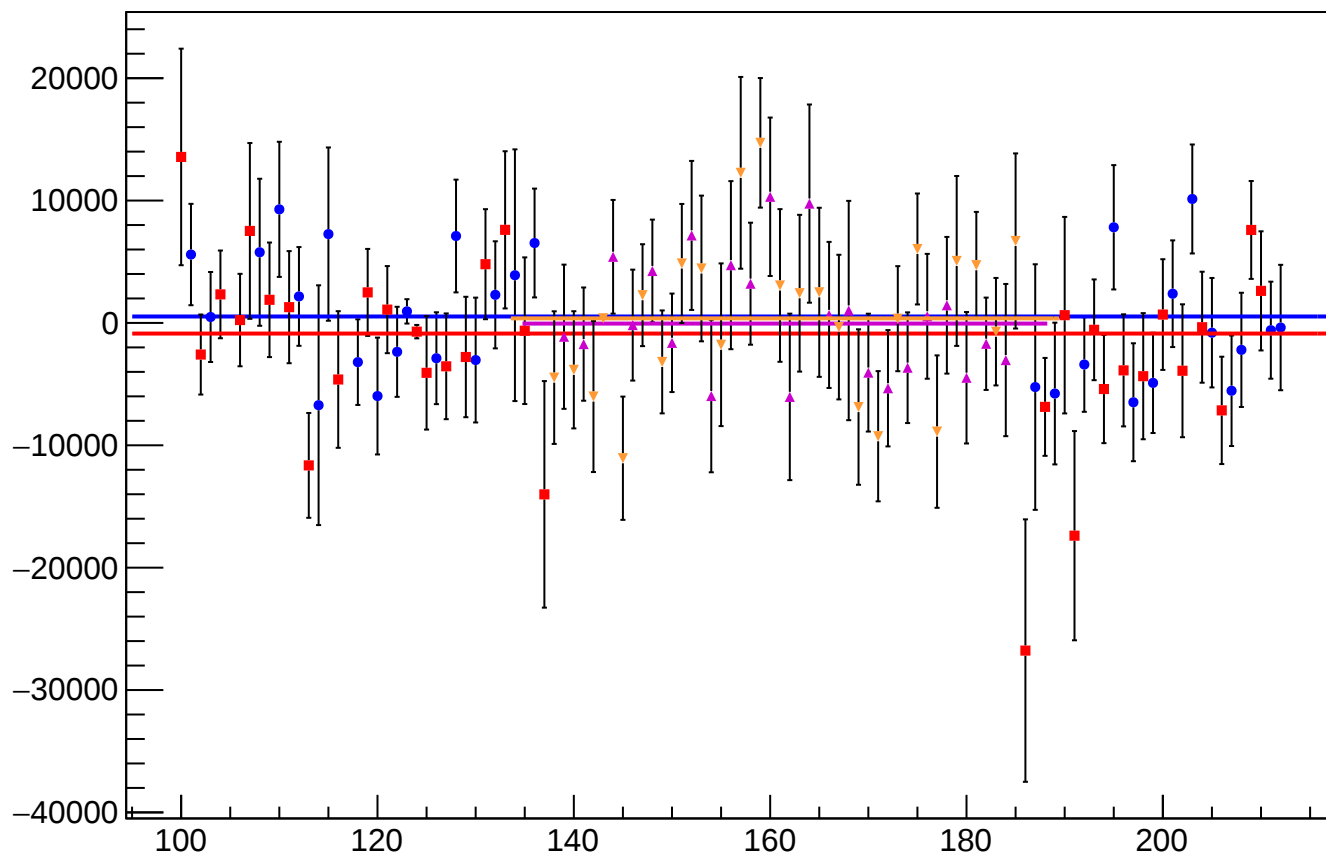
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1837.756 $\pm$ 0.224 χ^2 /NDF: 1268423.1/54

All: 1832.130 $\pm$ 0.158 χ^2 /NDF: 1832576.2/11

- sign 1826.534 $\pm$ 0.224 χ^2 /NDF: 562898.2/55

asym_atr1l2_dd_correction_mean vs Slug



Right In: 526.460 ± 650.967 χ^2/NDF : 31.3/29

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -868.526 ± 457.465 χ^2/NDF : 41.4/32

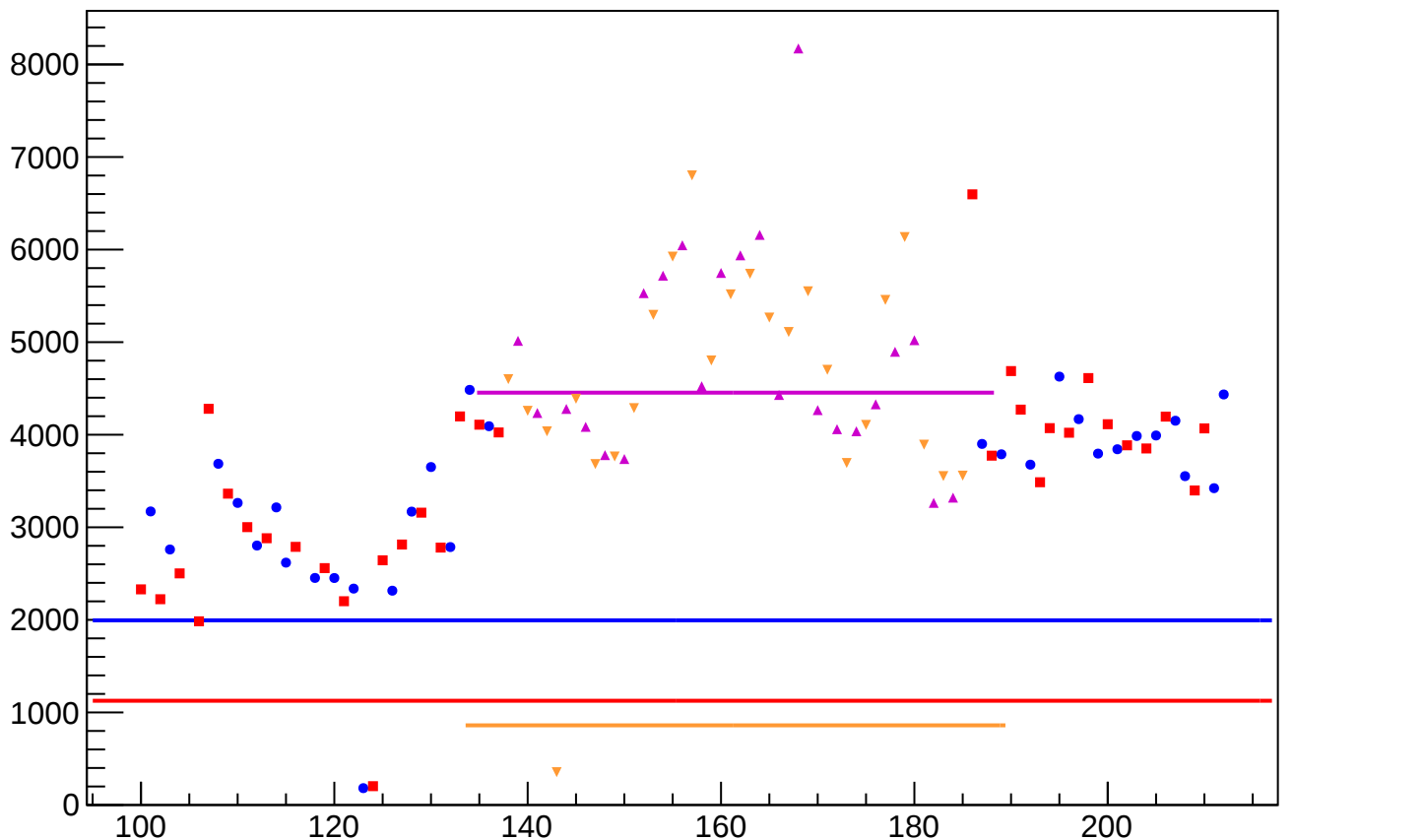
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 412.526 ± 329.508 χ^2/NDF : 62.1/54

All: -26.665 ± 259.671 χ^2/NDF : 123.3/110

- sign -746.384 ± 421.814 χ^2/NDF : 56.5/55

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1994.966 $\pm$ 0.460 χ^2 /NDF: 12848917.3/29

Left Out: 860.545 $\pm$ 0.270 χ^2 /NDF: 26340106.5/24

Right Out: 1126.196 $\pm$ 0.323 χ^2 /NDF: 20594598.1/32

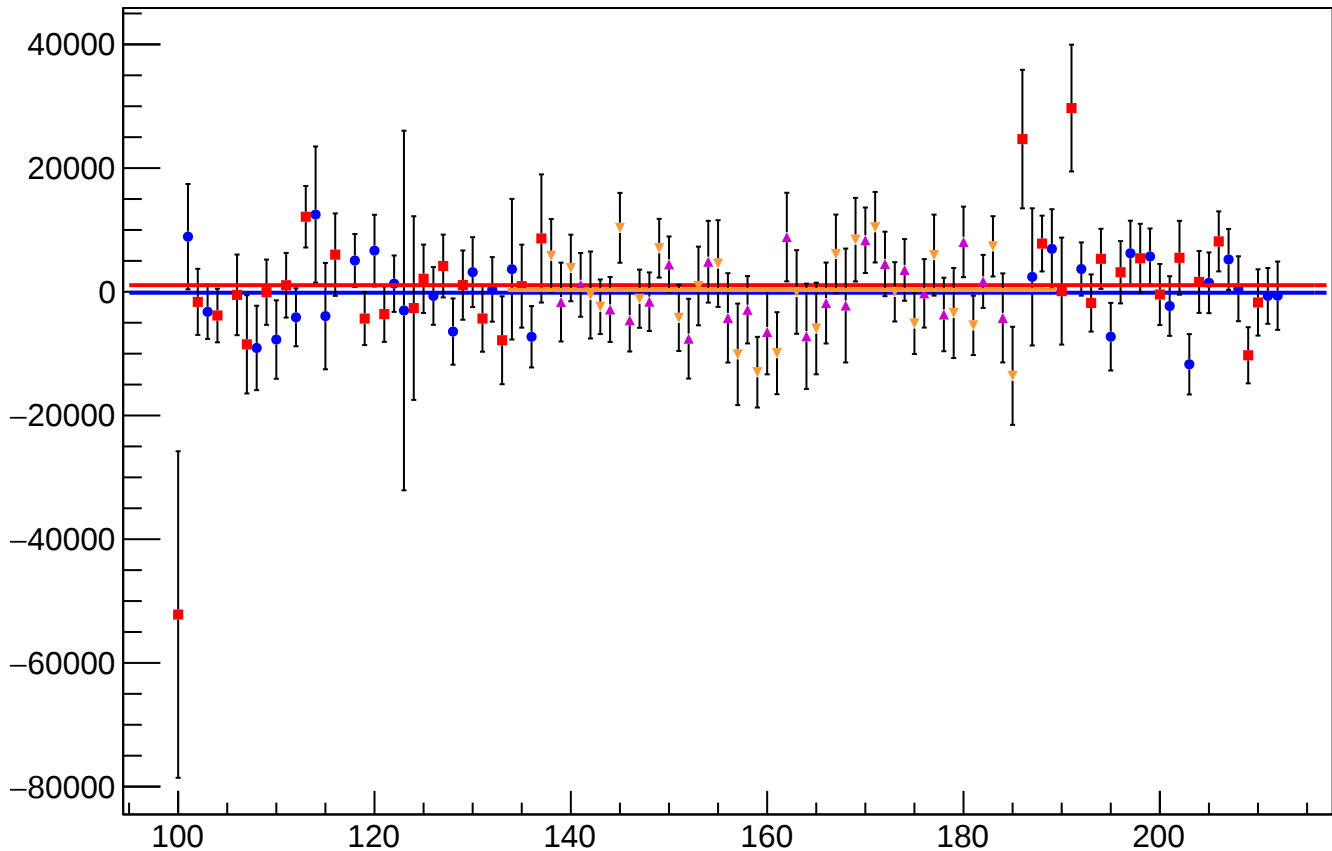
Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

+ sign 1151.207 $\pm$ 0.233 χ^2 /NDF: 43706579.5/54

All: 1330.655 $\pm$ 0.184 χ^2 /NDF: 83072868.7/100

- sign 1624.724 $\pm$ 0.298 χ^2 /NDF: 37801086.5/55

asym_atr1l2_dd_mean vs Slug



Right In: -147.854 ± 999.378 χ^2/NDF : 28.0/29

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 1068.671 ± 981.378 χ^2/NDF : 44.6/32

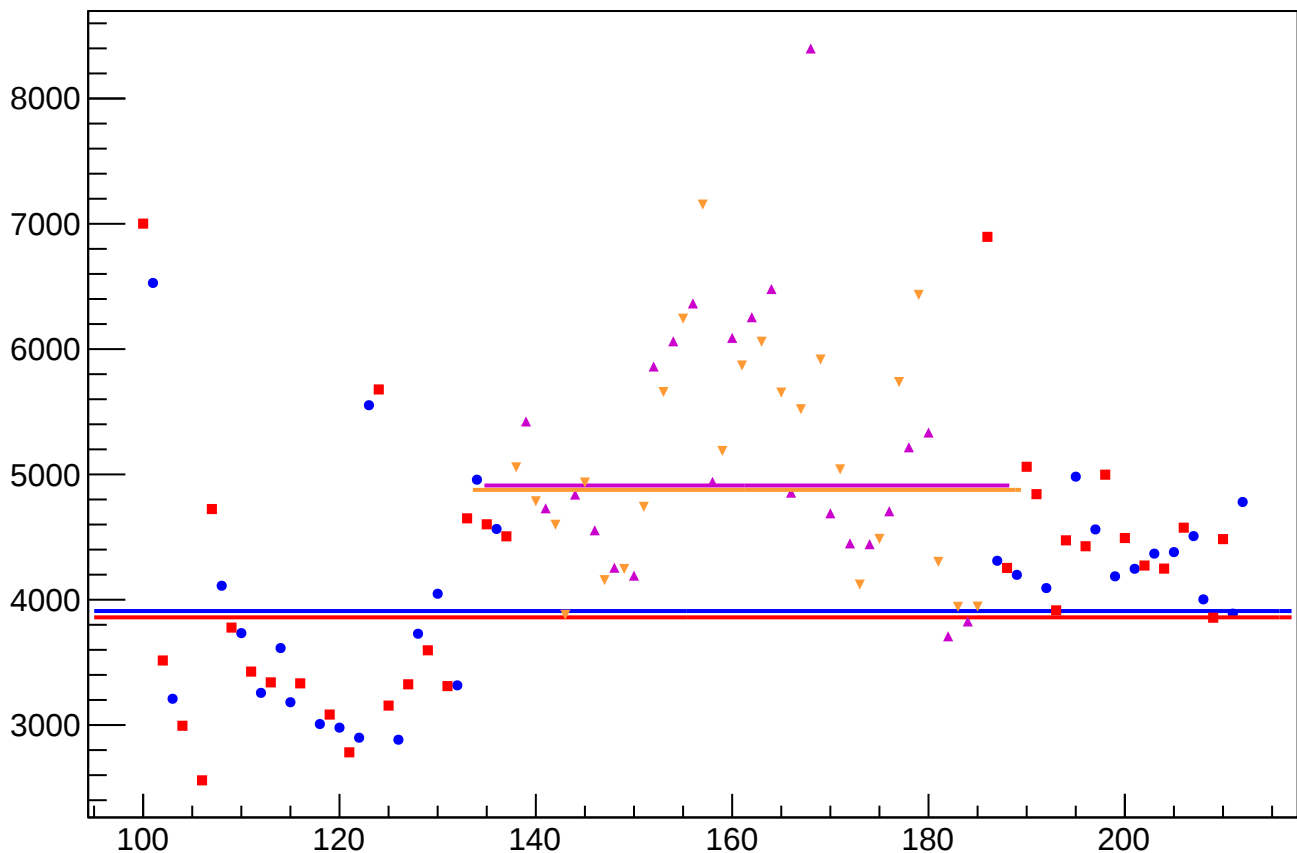
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign 38.893 ± 755.861 χ^2/NDF : 60.5/54

All: 404.313 ± 535.464 χ^2/NDF : 120.5/110

- sign 772.449 ± 758.666 χ^2/NDF : 59.5/55

asym_atr1l2_dd_rms vs Slug



Right In: 3909.674+/-0.707 χ^2/NDF : 971812.7/29

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3859.278+/-0.689 χ^2/NDF : 1151769.2/32

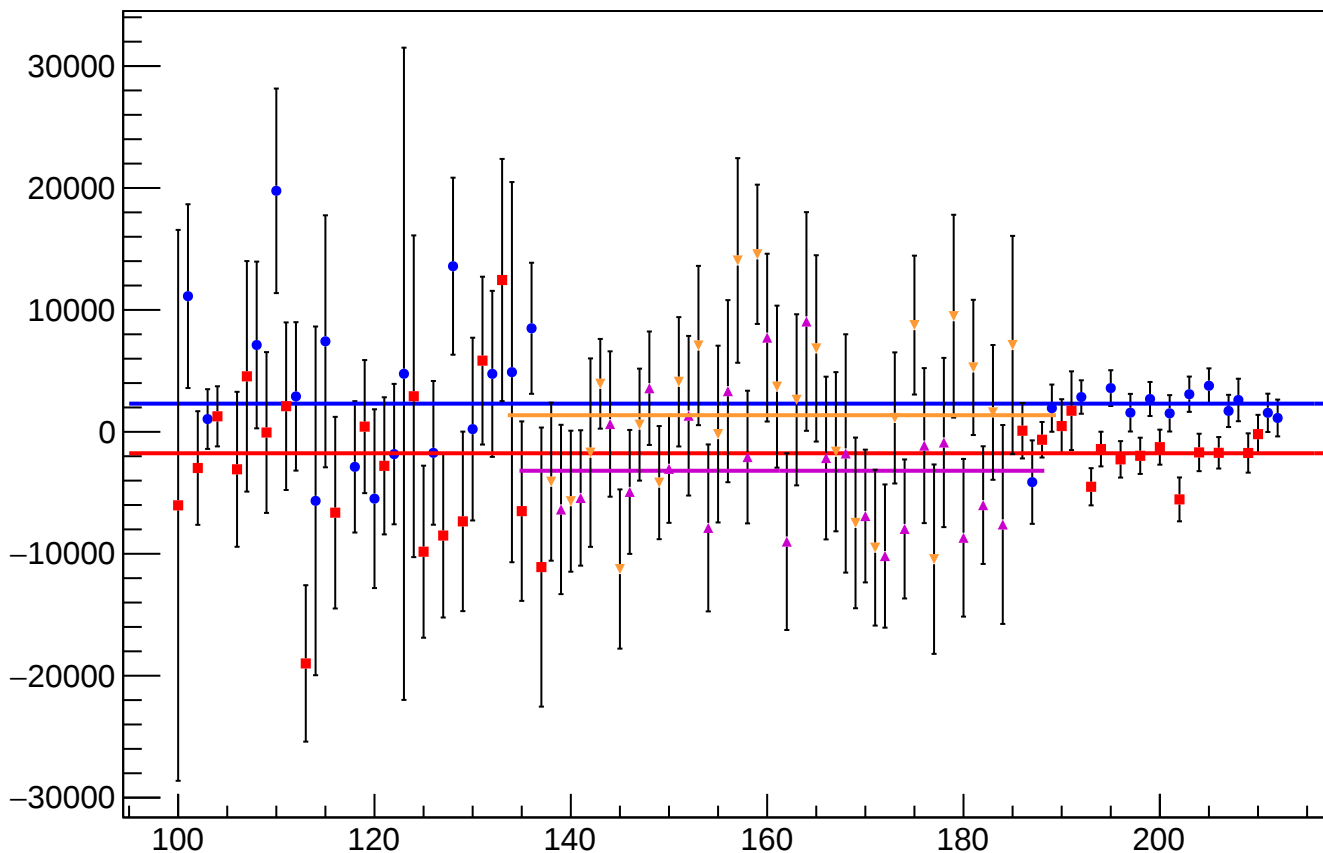
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4323.465+/-0.534 χ^2/NDF : 2745521.4/54

All: 4301.258+/-0.378 χ^2/NDF : 5874427.8/11

- sign 4279.076+/-0.534 χ^2/NDF : 3125455.5/55

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2313.221 $\pm$ 411.040 χ^2 /NDF: 21.5/29

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -1756.360 $\pm$ 411.127 χ^2 /NDF: 30.0/32

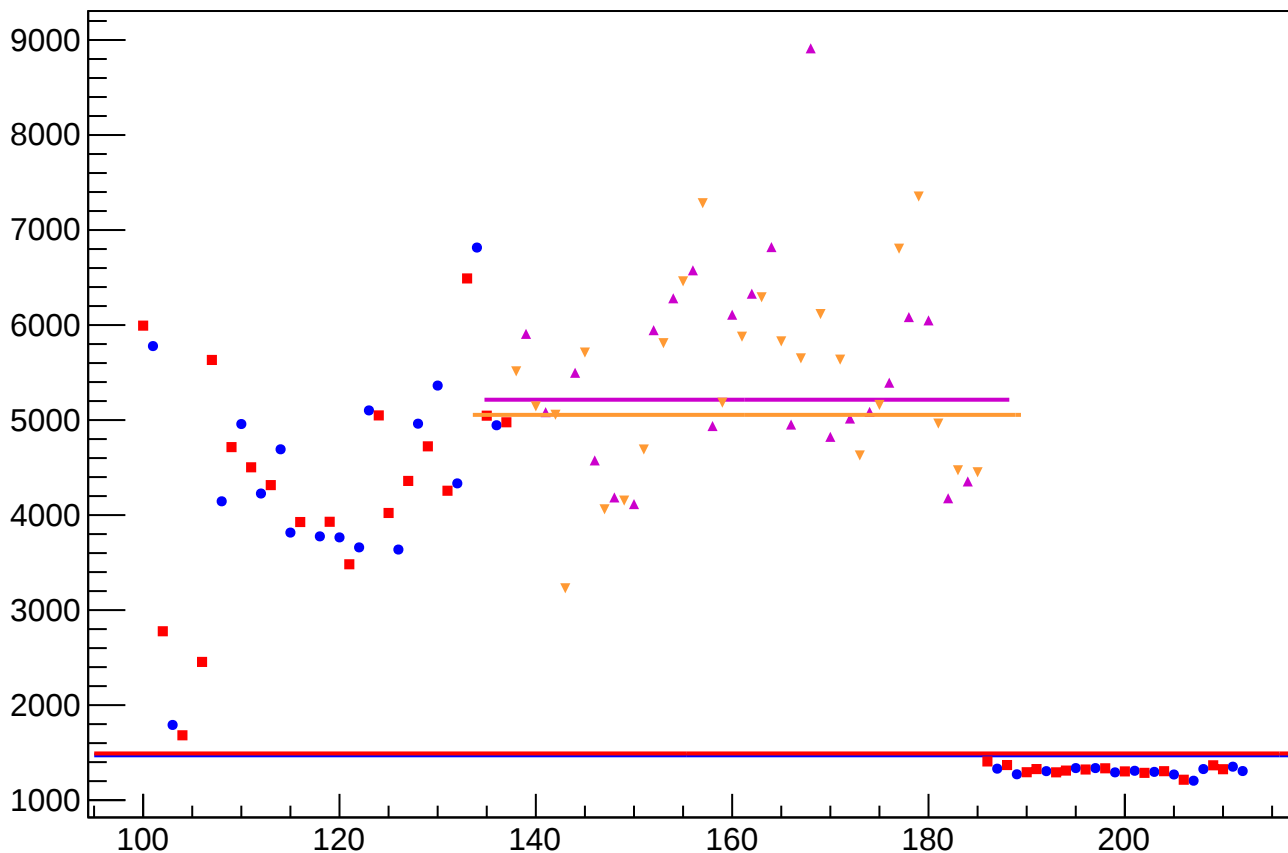
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 2214.583 $\pm$ 389.072 χ^2 /NDF: 50.0/54

All: 171.965 $\pm$ 275.845 χ^2 /NDF: 150.7/110

- sign -1892.455 $\pm$ 391.143 χ^2 /NDF: 45.2/55

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1471.816+/-0.291 χ^2/NDF : 5879430.8/29

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 1491.323+/-0.290 χ^2/NDF : 5785163.1/32

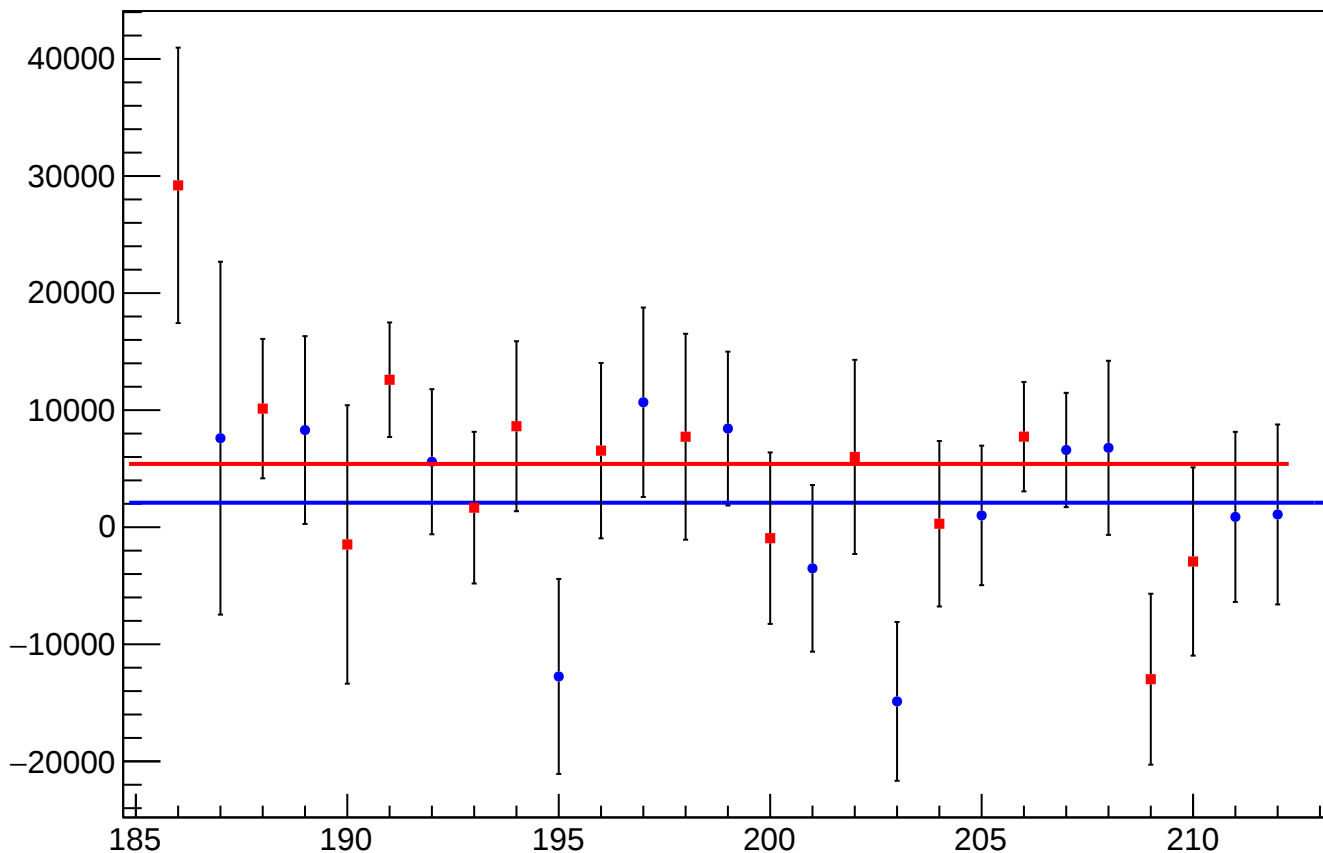
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 1844.555+/-0.275 χ^2/NDF : 23125600.8/54

All: 1844.236+/-0.195 χ^2/NDF : 45520552.7/100

- sign 1843.915+/-0.276 χ^2/NDF : 22394949.2/55

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 2092.556+/-1944.734 χ^2/NDF : 14.5/12

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 5406.471+/-1853.596 χ^2/NDF : 16.8/13

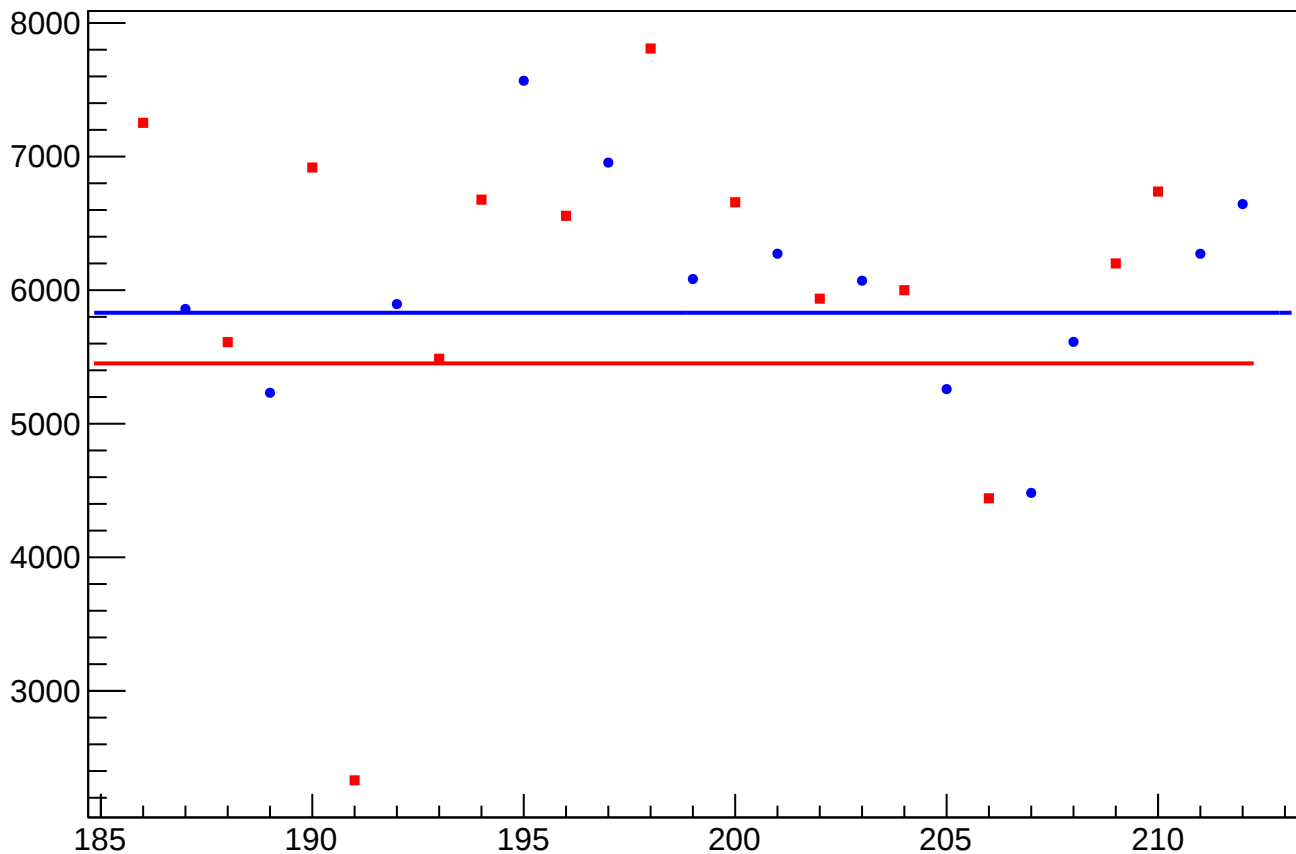
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 3828.983+/-1341.753 χ^2/NDF : 32.8/26

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5830.788+/-1.375 χ^2/NDF : 352789.6/12

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 5451.775+/-1.311 χ^2/NDF : 1375251.8/13

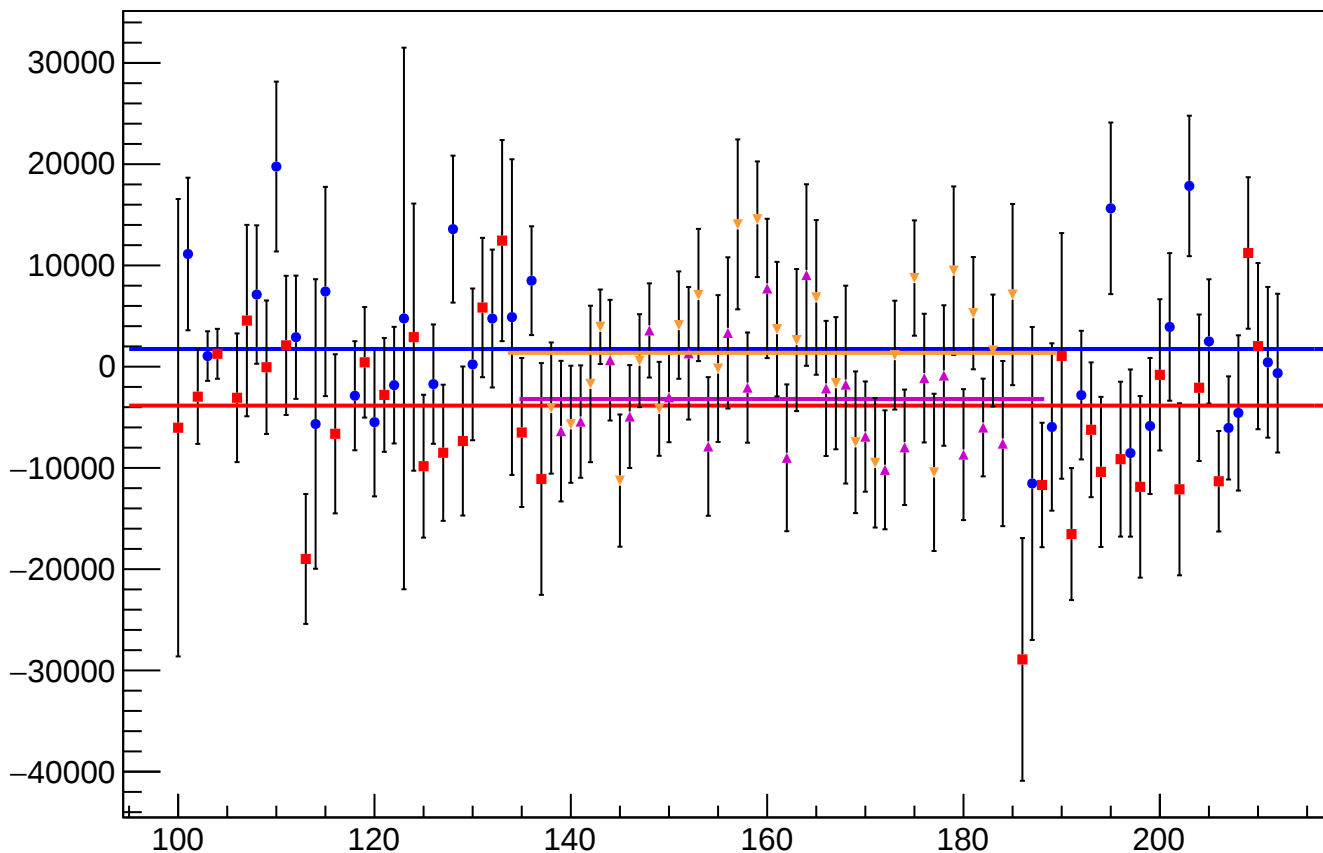
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 5632.193+/-0.949 χ^2/NDF : 1767846.1/20

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1744.701 $\pm$ 1176.799 χ^2 /NDF: 30.7/29

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -3844.330 $\pm$ 1131.992 χ^2 /NDF: 39.6/32

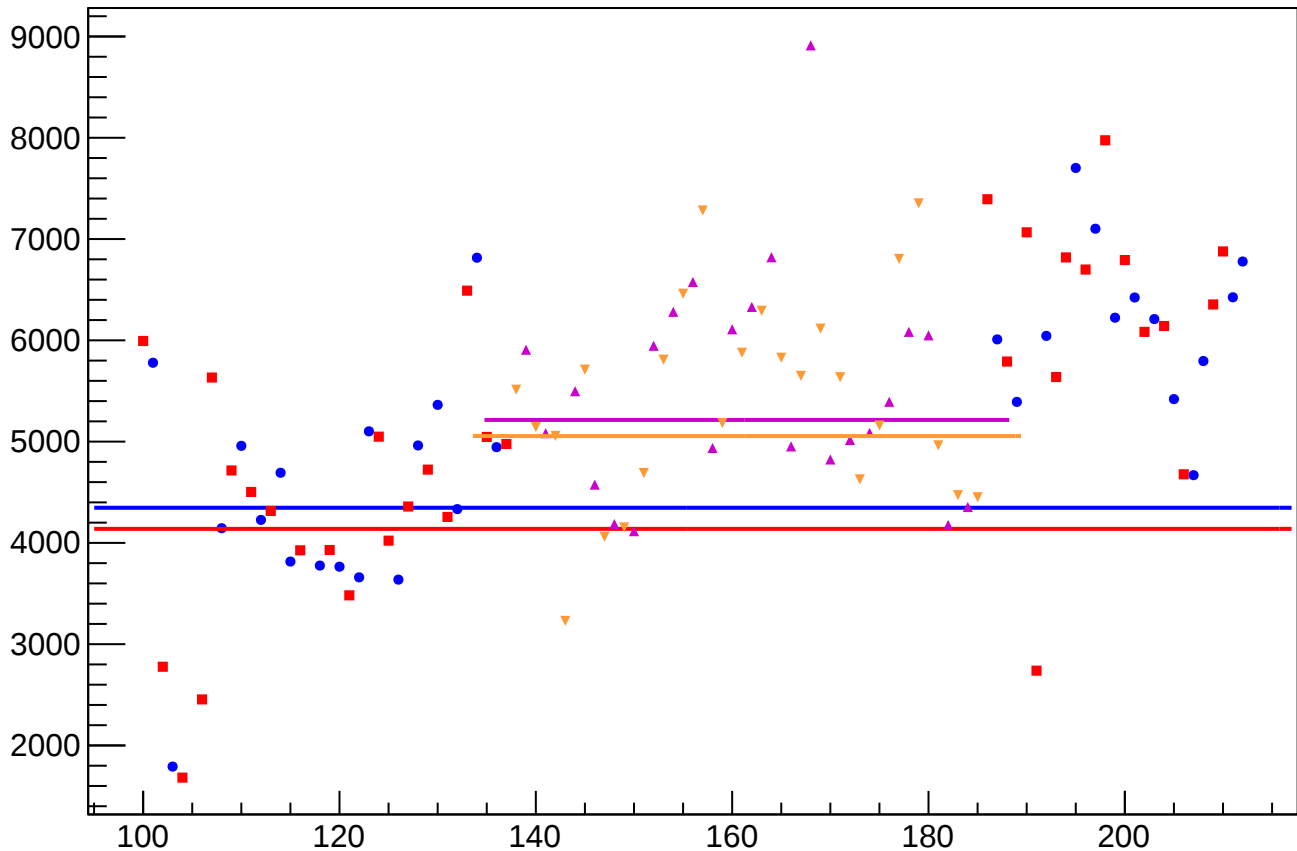
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 1559.585 $\pm$ 842.348 χ^2 /NDF: 58.7/54

All: -989.620 $\pm$ 596.580 χ^2 /NDF: 130.9/110

- sign -3555.155 $\pm$ 845.042 χ^2 /NDF: 53.8/55

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4346.934+/-0.832 χ^2/NDF : 4175819.6/29

Left Out: 5054.711+/-0.853 χ^2/NDF :1437224.7/24

Right Out: 4138.638+/-0.795 χ^2/NDF : 5033788.6/32

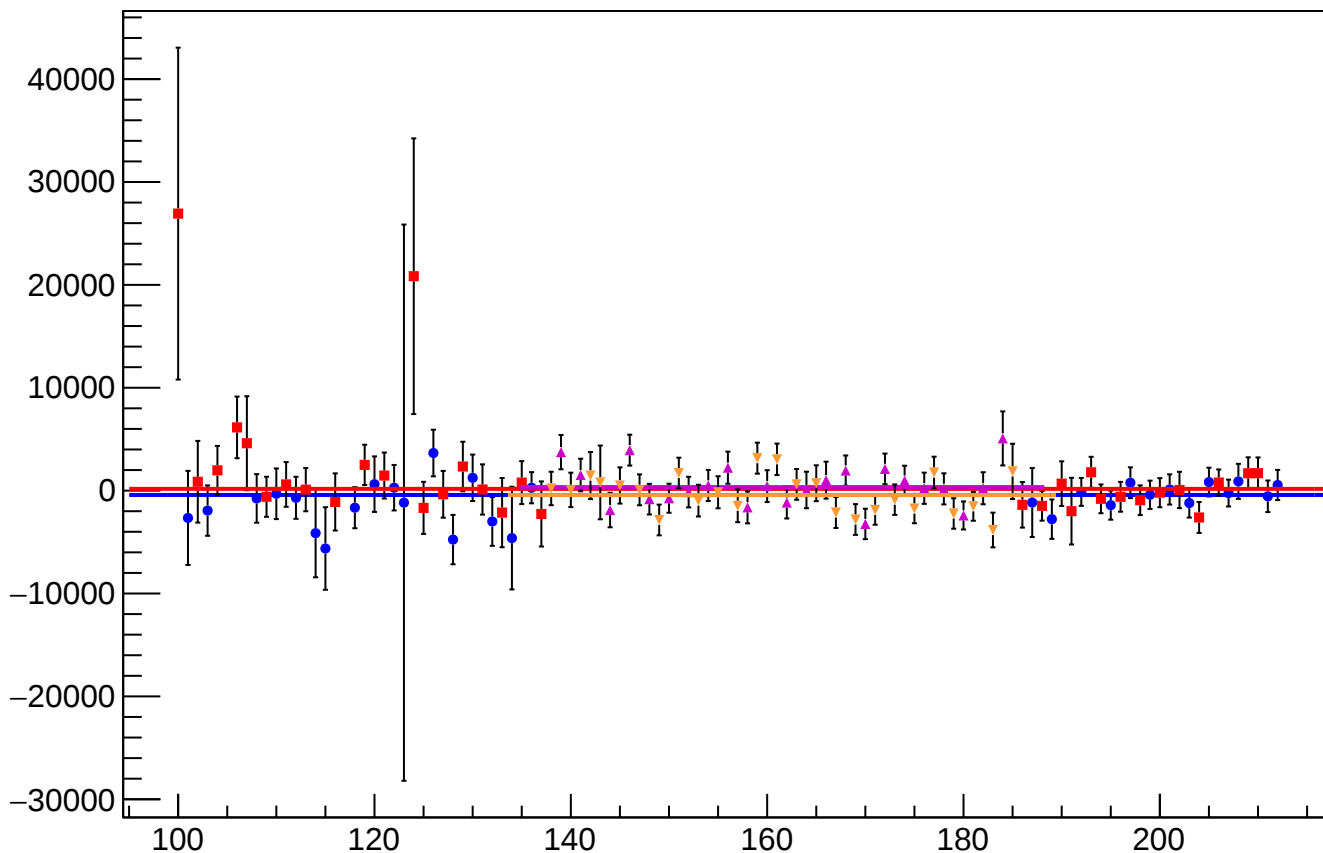
Left In: 5214.120+/-0.898 χ^2/NDF :1052501.5/22

+ sign 4692.066+/-0.596 χ^2/NDF : 5965838.1/54

All: 4651.770+/-0.421 χ^2/NDF : 12864914.6/1

- sign 4611.495+/-0.595 χ^2/NDF : 6889924.7/55

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -421.985 ± 345.013 χ^2/NDF : 17.9/29

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 172.181 ± 344.382 χ^2/NDF : 25.8/32

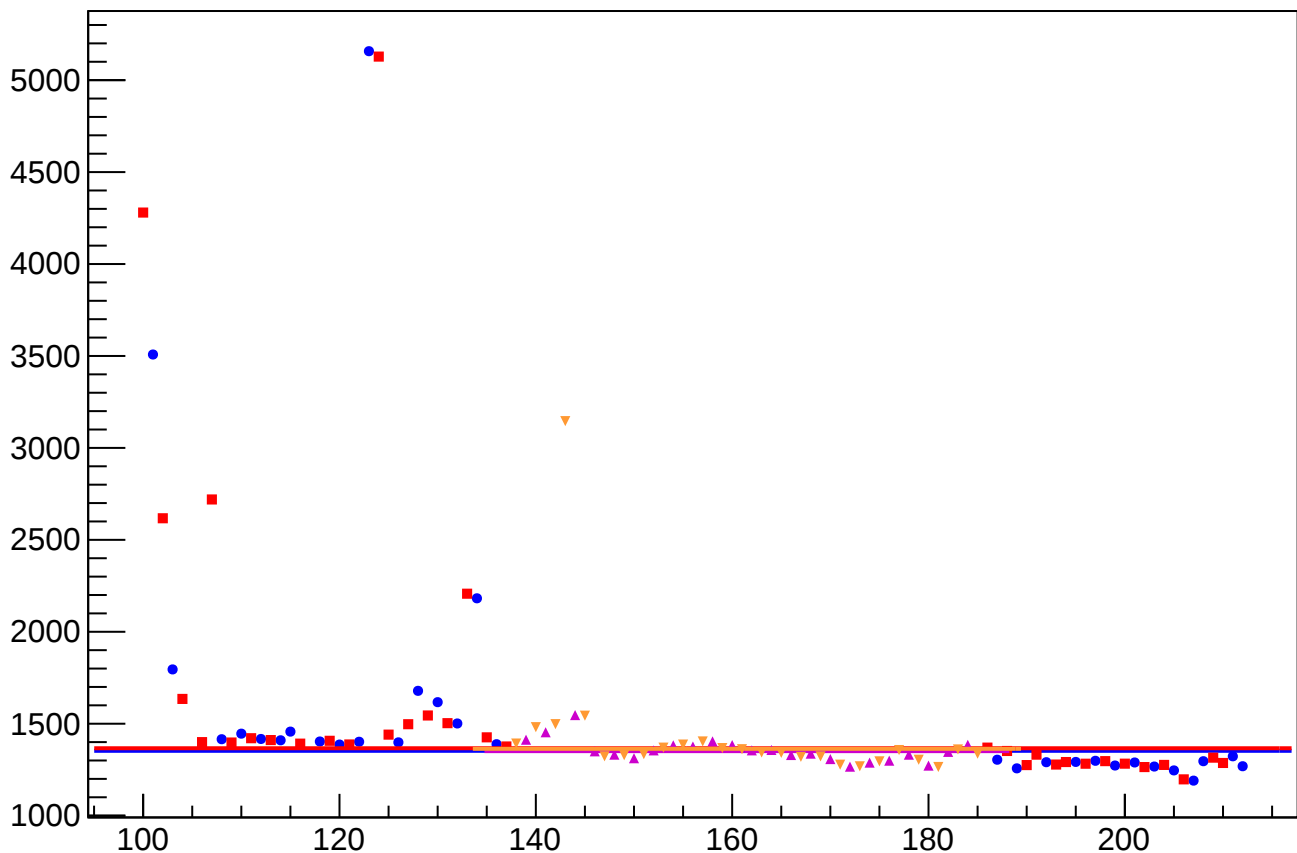
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -427.207 ± 234.832 χ^2/NDF : 51.0/54

All: -83.950 ± 166.505 χ^2/NDF : 115.0/110

- sign 263.089 ± 236.121 χ^2/NDF : 59.7/55

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1352.707 $\pm$ 0.244 χ^2 /NDF: 774498.3/29

Left Out: 1363.561 $\pm$ 0.227 χ^2 /NDF: 575226.6/24

Right Out: 1366.567 $\pm$ 0.244 χ^2 /NDF: 870419.4/32

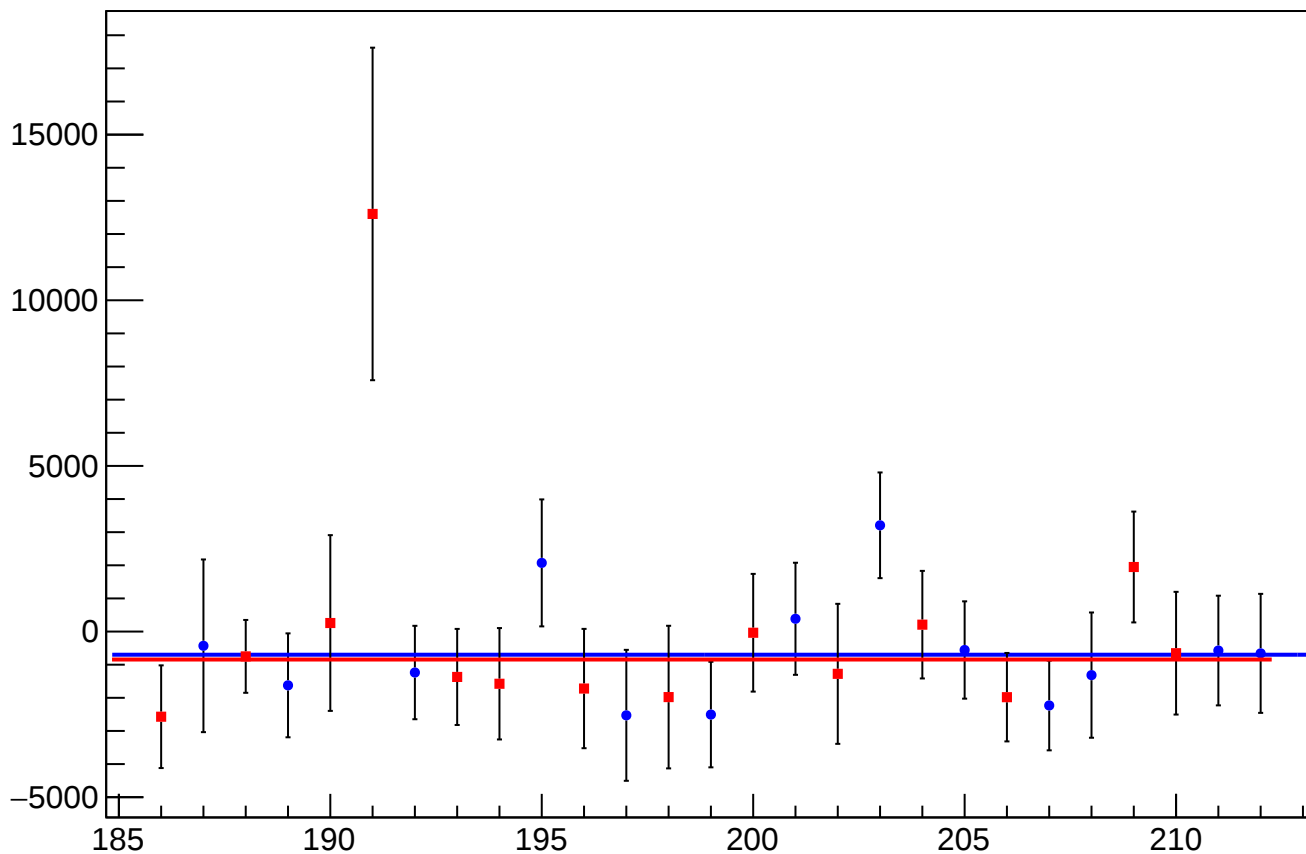
Left In: 1350.909 $\pm$ 0.229 χ^2 /NDF: 67144.5/22

+ sign 1358.532 $\pm$ 0.166 χ^2 /NDF: 1350787.4/54

All: 1358.402 $\pm$ 0.118 χ^2 /NDF: 2290543.6/11

- sign 1358.270 $\pm$ 0.167 χ^2 /NDF: 939754.9/55

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -699.102+/-462.019 χ^2/NDF : 12.5/12

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -843.970+/-451.348 χ^2/NDF : 13.6/13

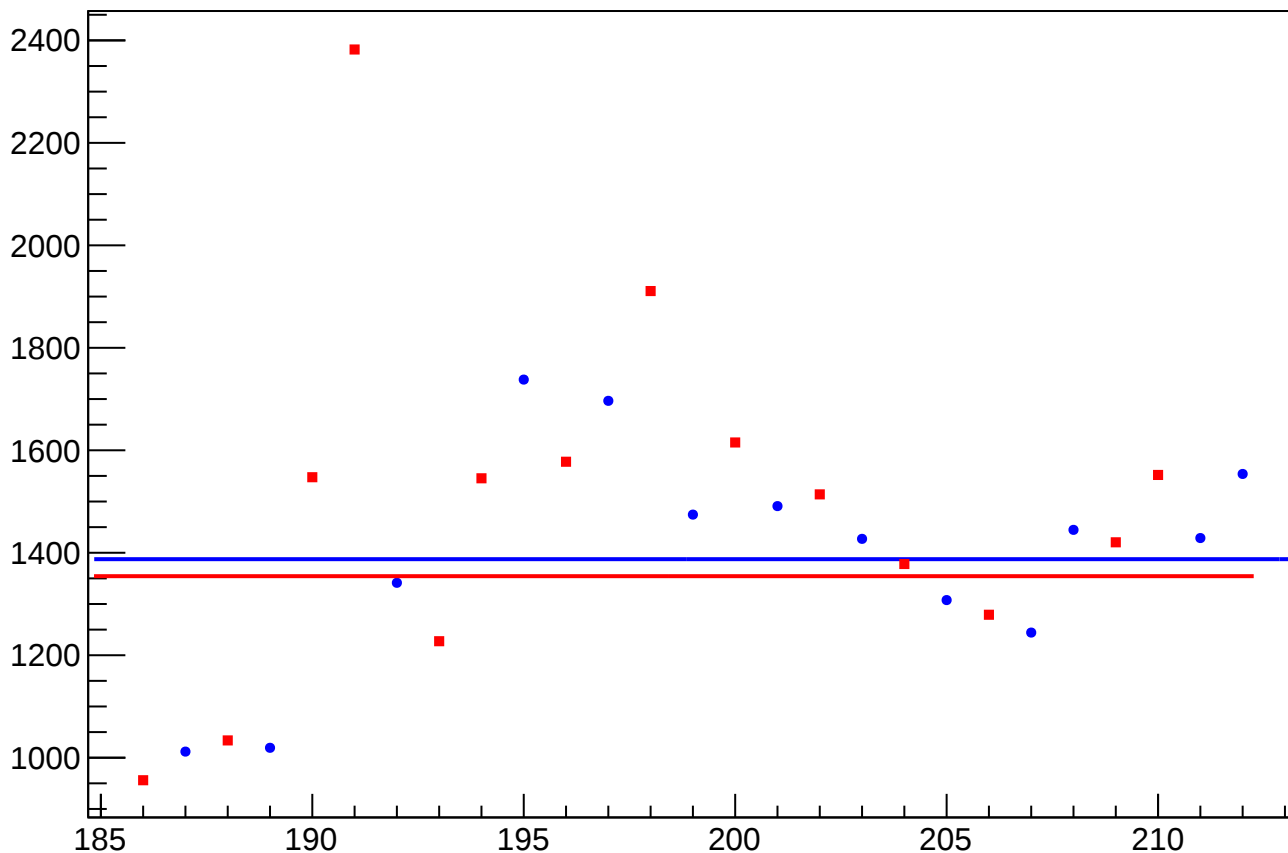
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -773.228+/-322.858 χ^2/NDF : 26.2/26

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1387.496 $\pm$ 0.327 χ^2 /NDF: 332827.9/12

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1354.304 $\pm$ 0.319 χ^2 /NDF: 689337.8/13

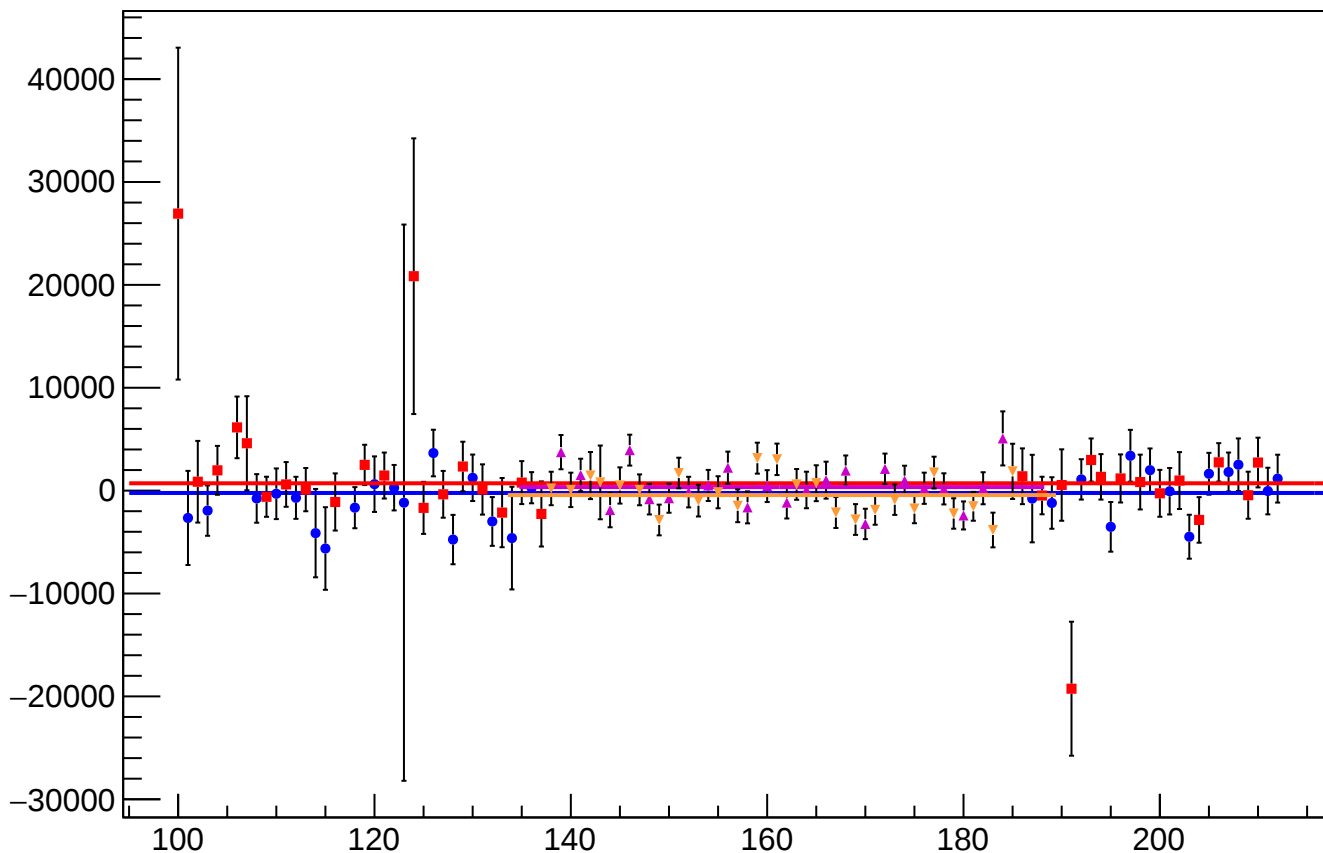
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1370.512 $\pm$ 0.228 χ^2 /NDF: 1027447.4/20

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -226.958 ± 437.554 χ^2/NDF : 26.5/29

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 714.213 ± 435.011 χ^2/NDF : 30.5/32

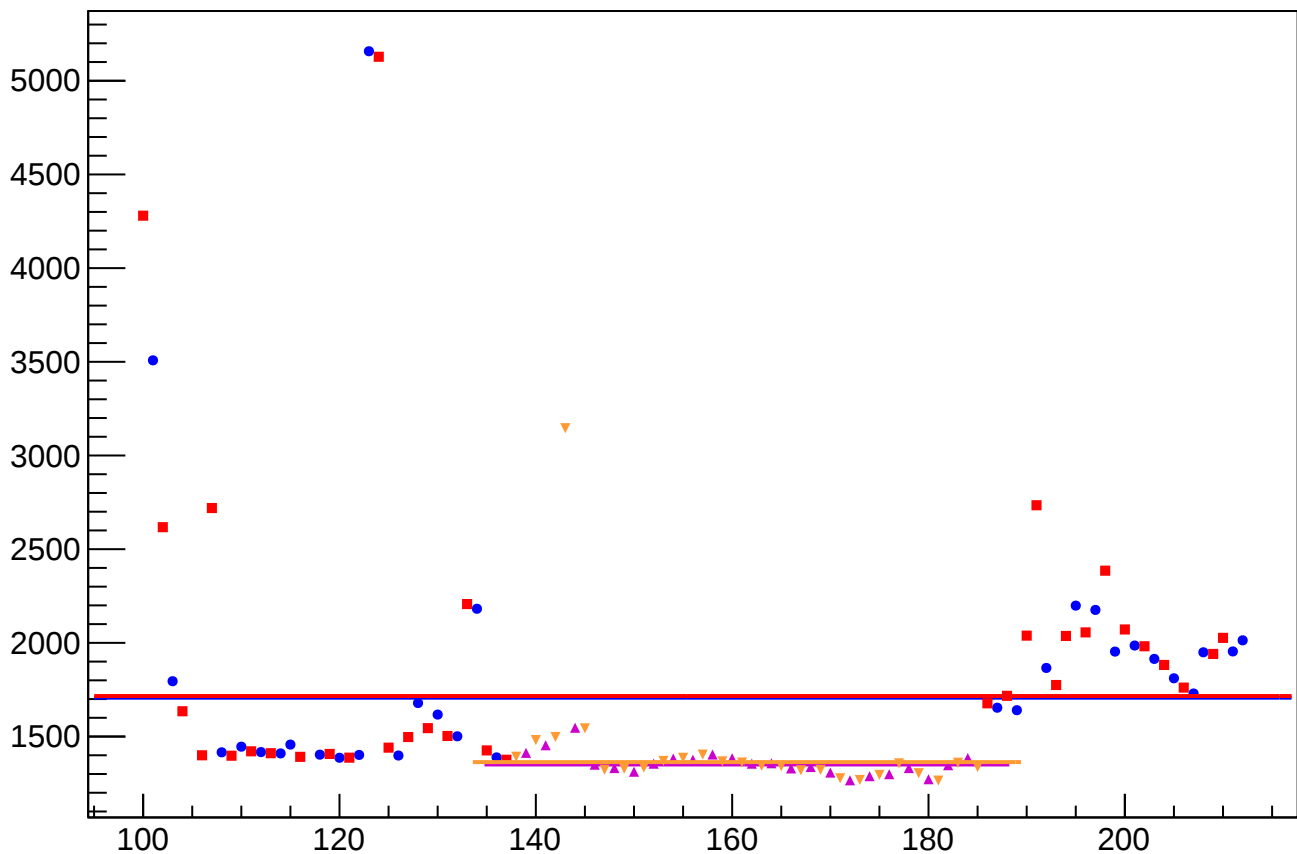
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -360.205 ± 258.579 χ^2/NDF : 59.7/54

All: 55.606 ± 183.356 χ^2/NDF : 129.6/110

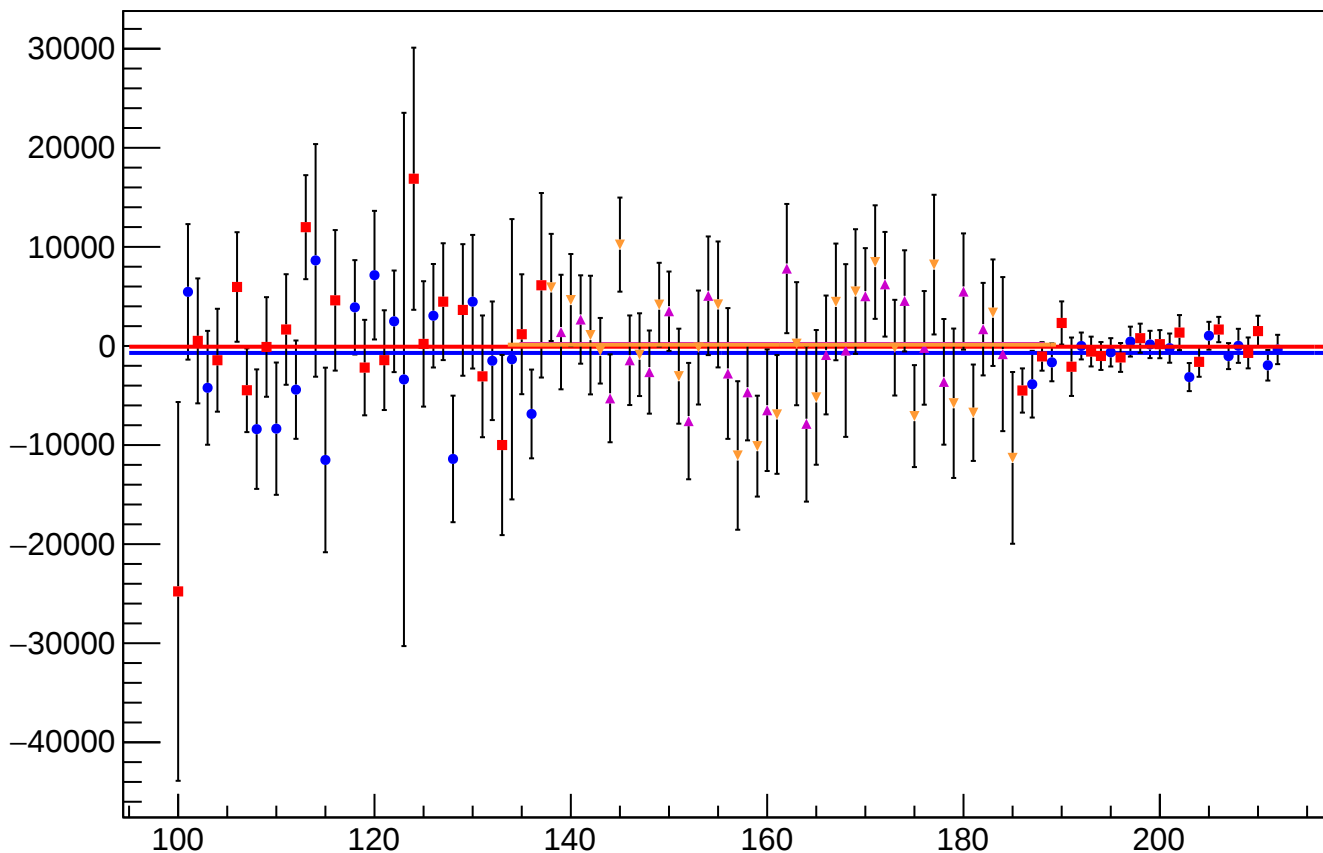
- sign 476.118 ± 260.036 χ^2/NDF : 64.7/55

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1707.518+/-0.309	χ^2/NDF : 1055780.3/29	+ sign 1483.685+/-0.183	χ^2/NDF : 2435267.7/54
Left Out: 1363.561+/-0.227	χ^2/NDF : 575226.6/24	All: 1482.559+/-0.130	χ^2/NDF : 4648108.4/11
Right Out: 1716.152+/-0.308	χ^2/NDF : 1239500.3/32	- sign 1481.421+/-0.184	χ^2/NDF : 2212764.6/55
Left In: 1350.909+/-0.229	χ^2/NDF : 67144.5/22		

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -702.302 ± 406.452 χ^2/NDF : 23.2/29

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -75.474 ± 404.571 χ^2/NDF : 26.8/32

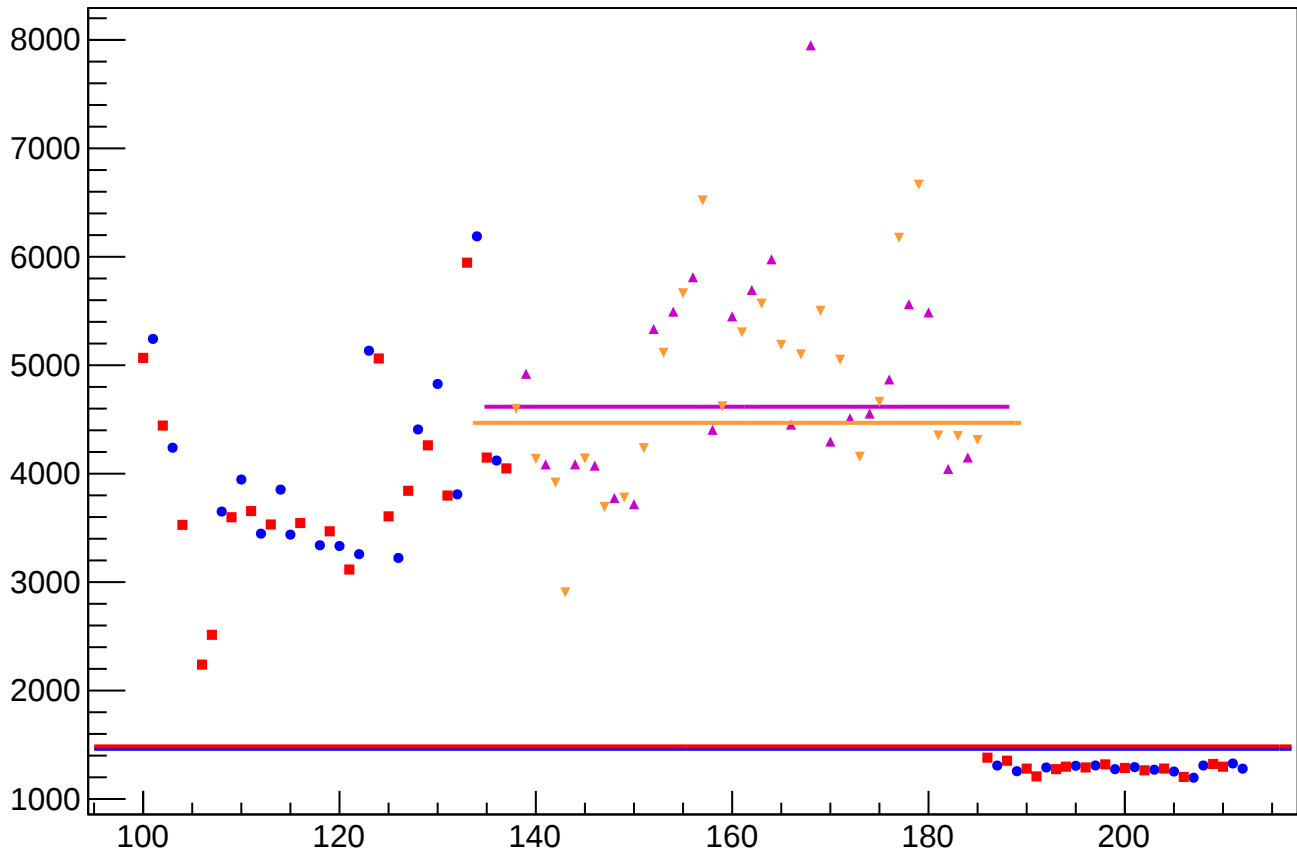
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -596.309 ± 379.761 χ^2/NDF : 51.8/54

All: -320.712 ± 268.843 χ^2/NDF : 94.5/110

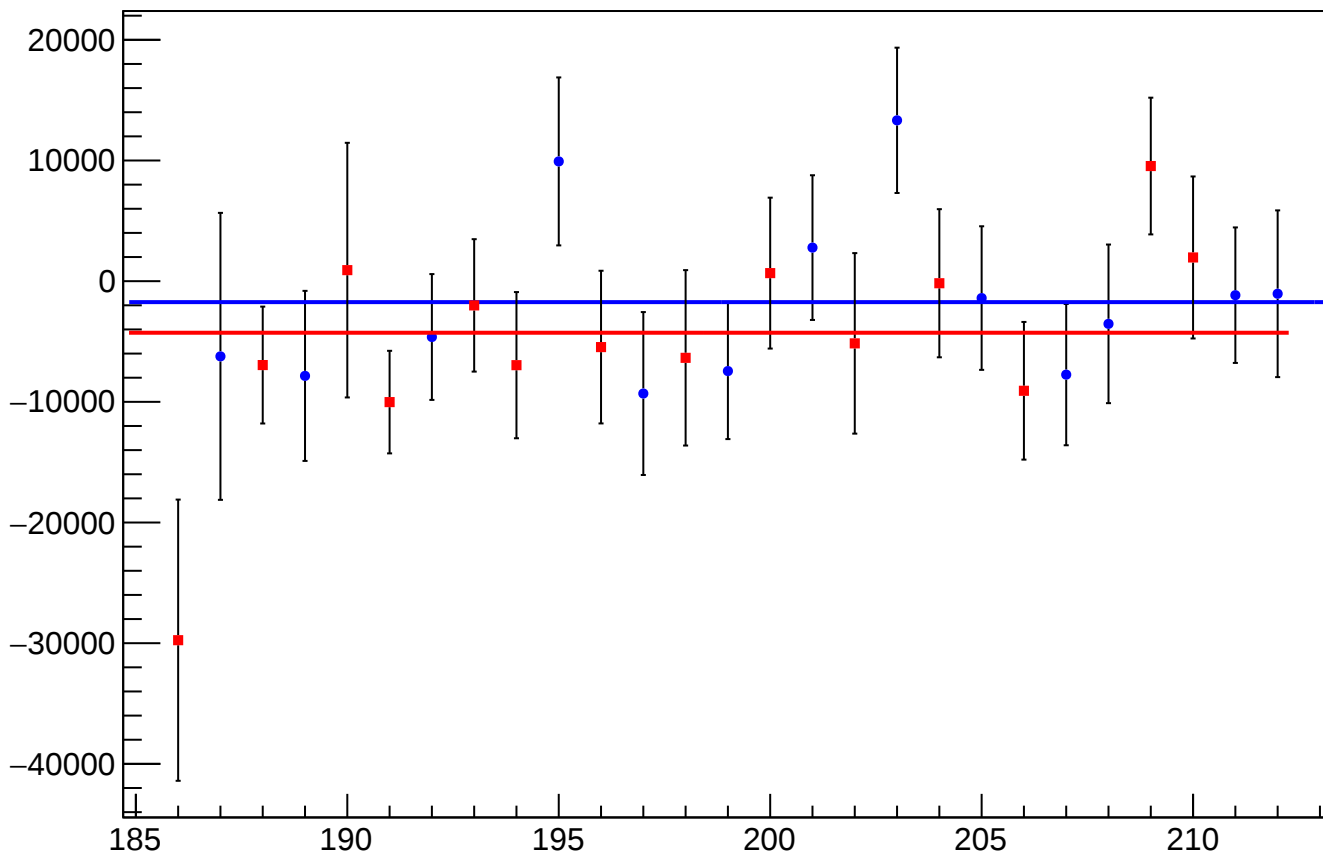
- sign -43.832 ± 380.644 χ^2/NDF : 41.6/55

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1463.022 ± 0.287 $\chi^2/\text{NDF}: 5648894.9/29$ + sign 1844.786 ± 0.269 $\chi^2/\text{NDF}: 20920202.4/54$
 Left Out: 4468.520 ± 0.753 $\chi^2/\text{NDF}: 1380601.0/24$ All: 1844.392 ± 0.190 $\chi^2/\text{NDF}: 41139822.4/1$
 Right Out: 1484.952 ± 0.286 $\chi^2/\text{NDF}: 5455857.2/32$ - sign 1843.997 ± 0.269 $\chi^2/\text{NDF}: 20219615.7/55$
 Left In: 4617.293 ± 0.794 $\chi^2/\text{NDF}: 999599.8/22$

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -1736.065+/-1749.463 χ^2 /NDF: 14.3/12

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Right Out: -4273.047+/-1637.754 χ^2 /NDF: 16.2/13

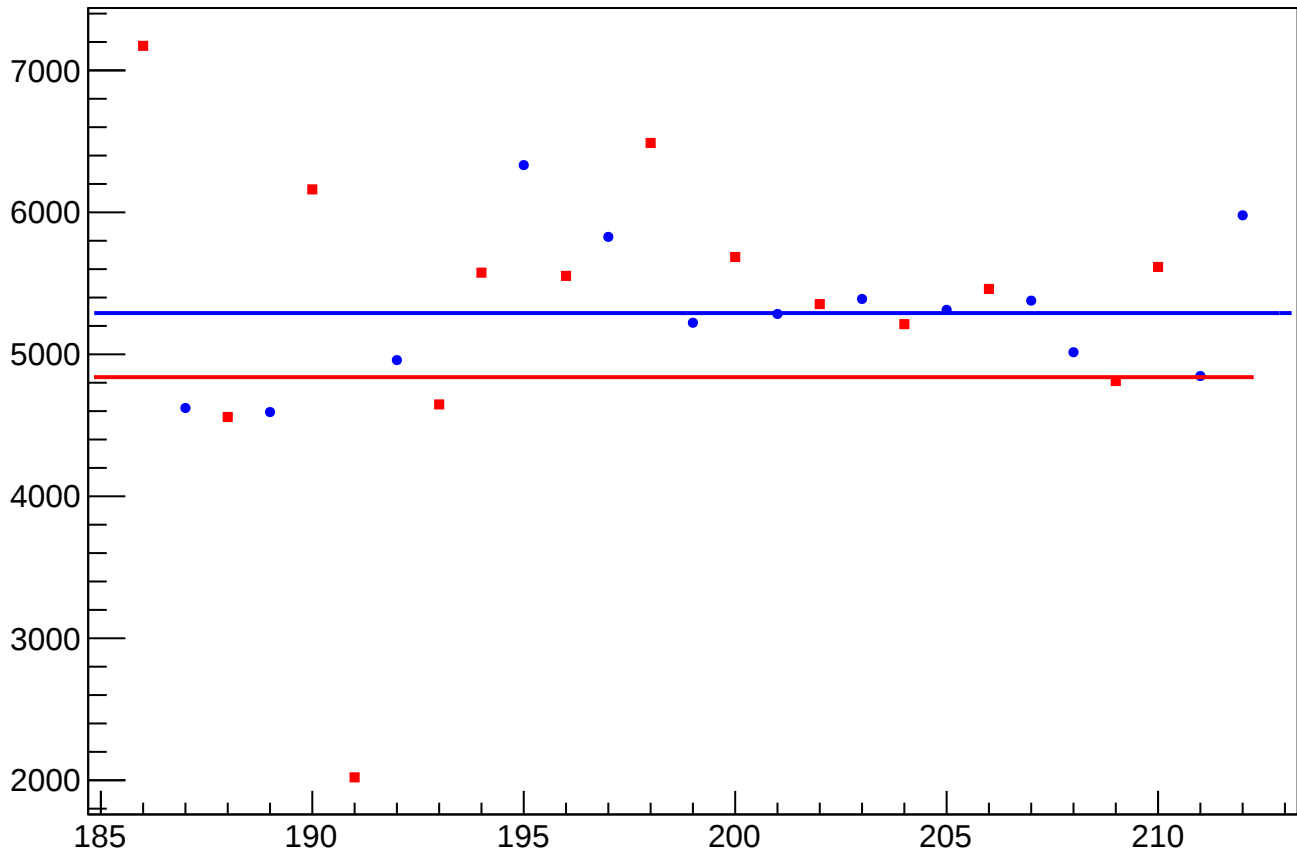
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -3088.134+/-1195.610 χ^2 /NDF: 31.6/26

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5290.474+/-1.237 χ^2/NDF : 128654.1/12

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

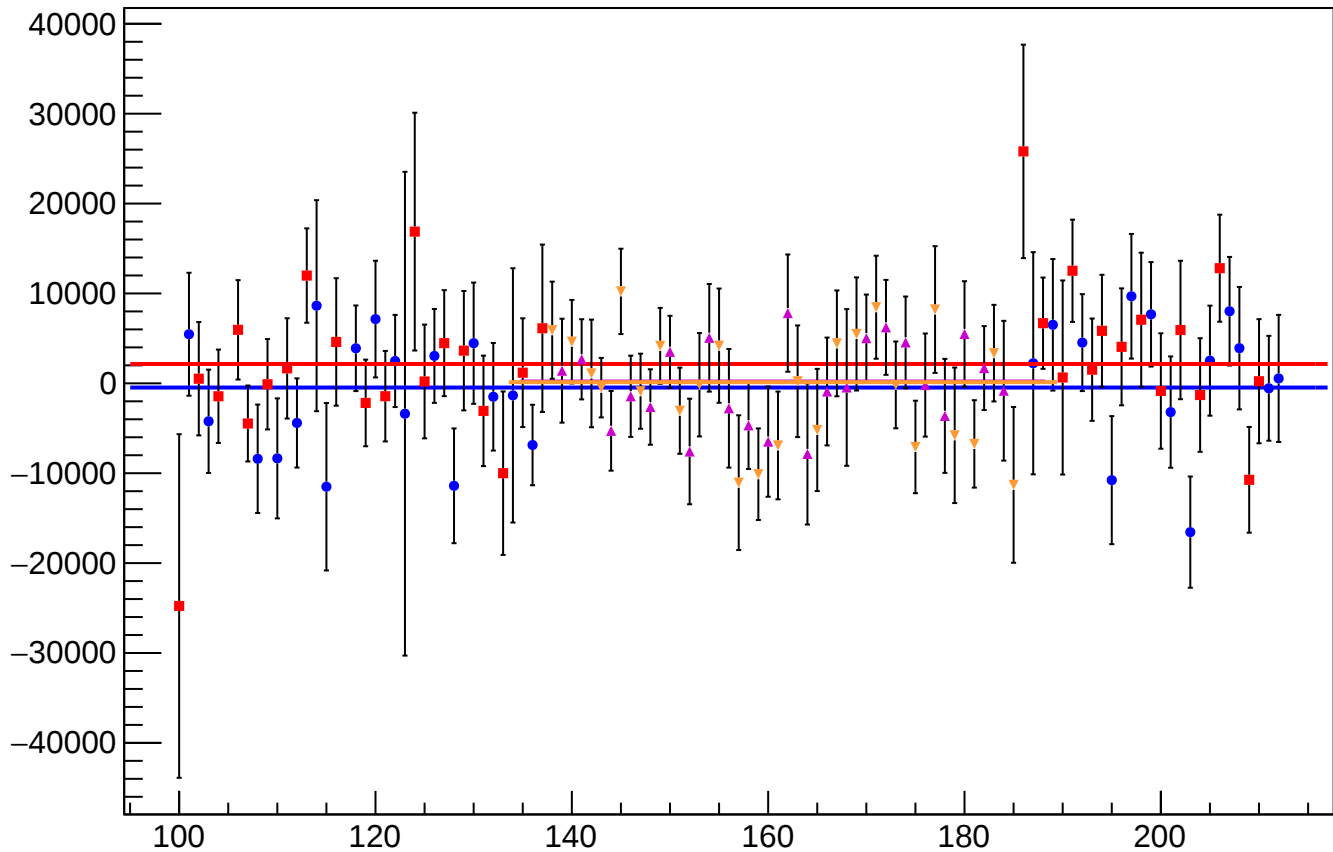
Right Out: 4839.264+/-1.158 χ^2/NDF : 1262803.5/13

All: 5050.004+/-0.845 χ^2/NDF : 1462359.8/20

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -468.309+/-1161.574 χ^2/NDF : 33.1/29

Left Out: 132.142+/-1065.543 χ^2/NDF : 28.1/24

Right Out: 2153.532+/-1083.697 χ^2/NDF : 32.7/32

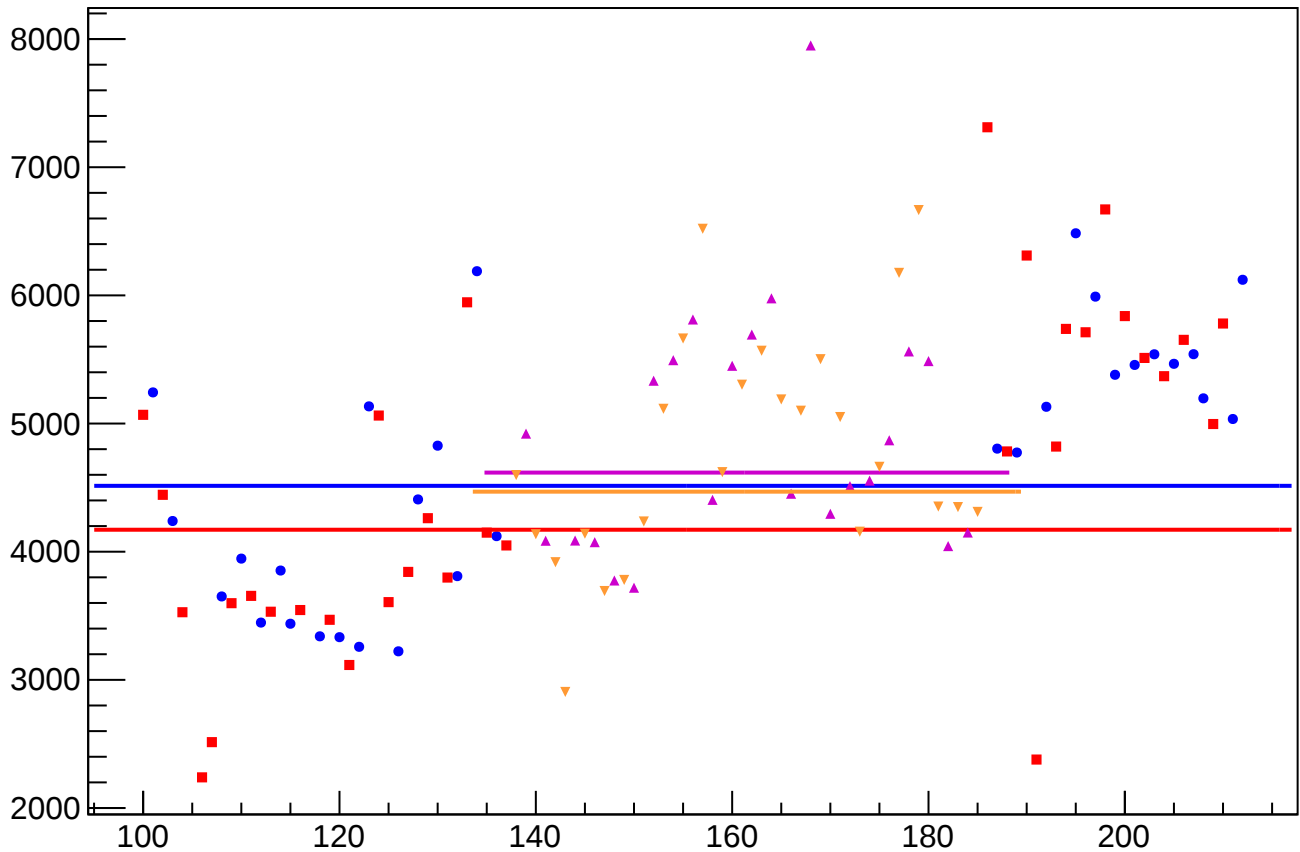
Left In: 200.182+/-1123.499 χ^2/NDF : 14.7/22

+ sign -142.241+/-785.211 χ^2/NDF : 61.4/54

All: 539.440+/-553.370 χ^2/NDF : 111.9/110

- sign 1212.070+/-779.981 χ^2/NDF : 49.0/55

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4513.951+/-0.821 χ^2/NDF : 1380476.0/29

Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24

+ sign 4489.280+/-0.555 χ^2/NDF : 2762738.5/54

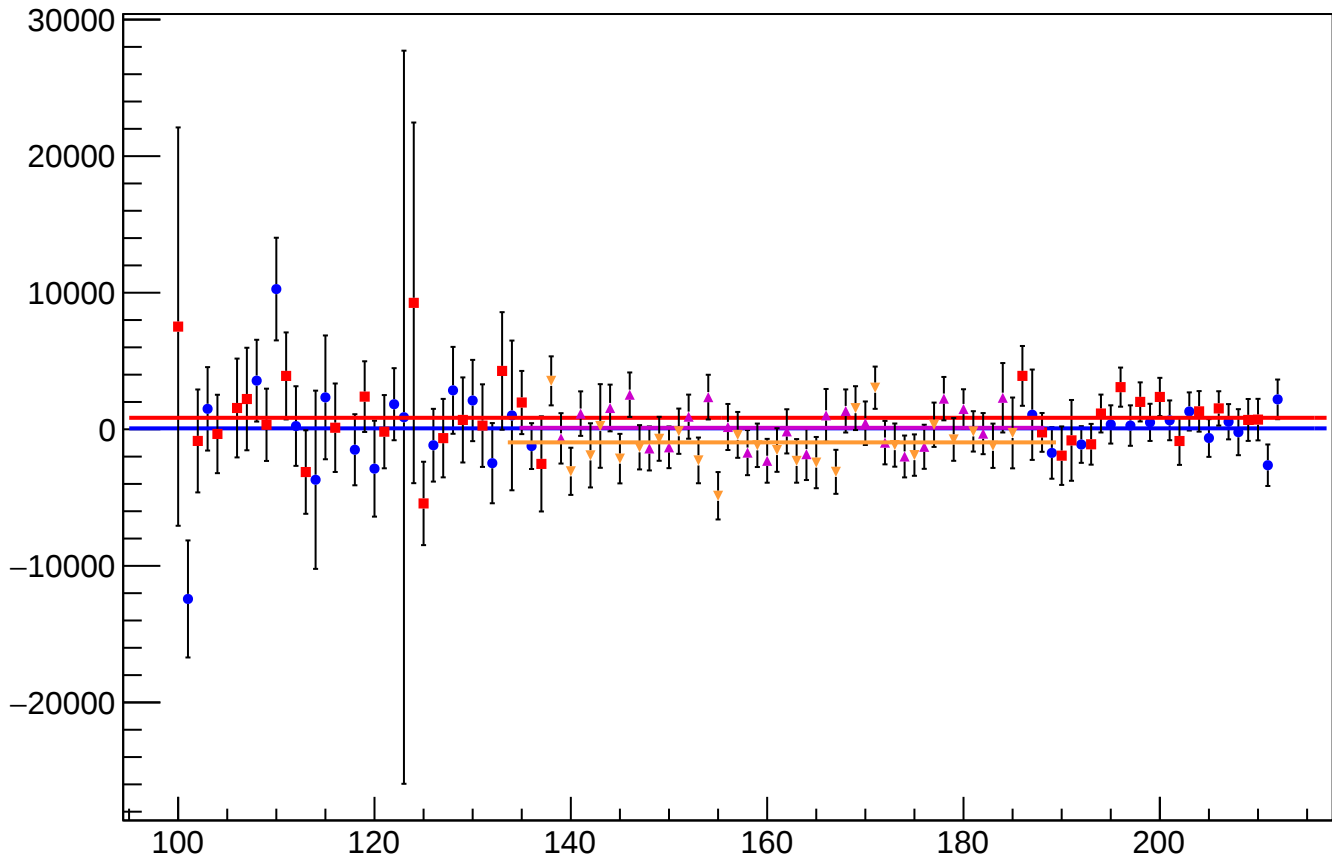
Right Out: 4171.431+/-0.762 χ^2/NDF : 2471977.8/32

All: 4436.669+/-0.391 χ^2/NDF : 6416164.1/11

Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

- sign 4385.061+/-0.550 χ^2/NDF : 3635639.2/55

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 68.062 ± 363.649 χ^2/NDF : 31.0/29

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 841.505 ± 362.576 χ^2/NDF : 22.6/32

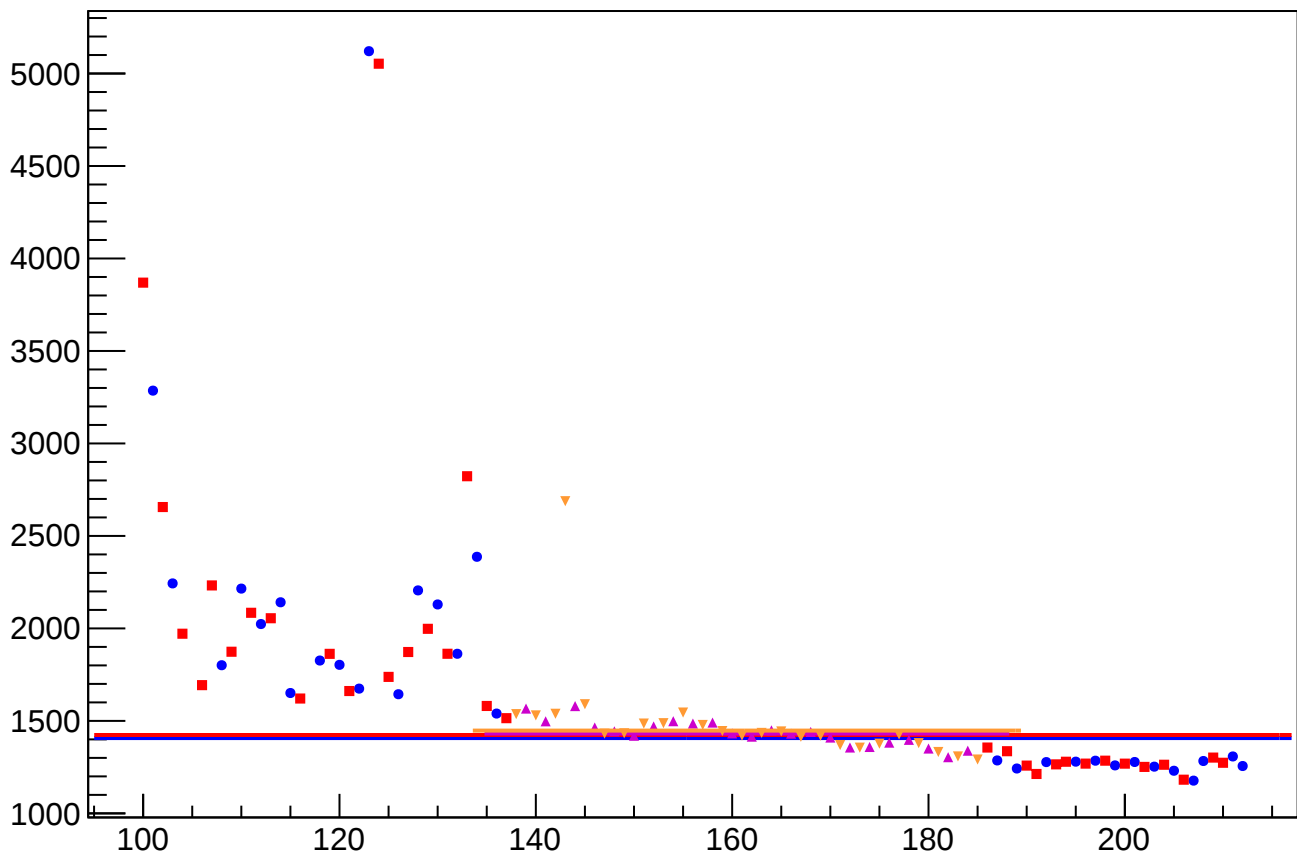
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -480.391 ± 248.160 χ^2/NDF : 63.8/54

All: -15.141 ± 175.921 χ^2/NDF : 115.1/110

- sign 454.866 ± 249.425 χ^2/NDF : 44.2/55

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1407.155+/-0.257 χ^2/NDF : 1569924.6/29

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1423.764+/-0.256 χ^2/NDF : 1601417.3/32

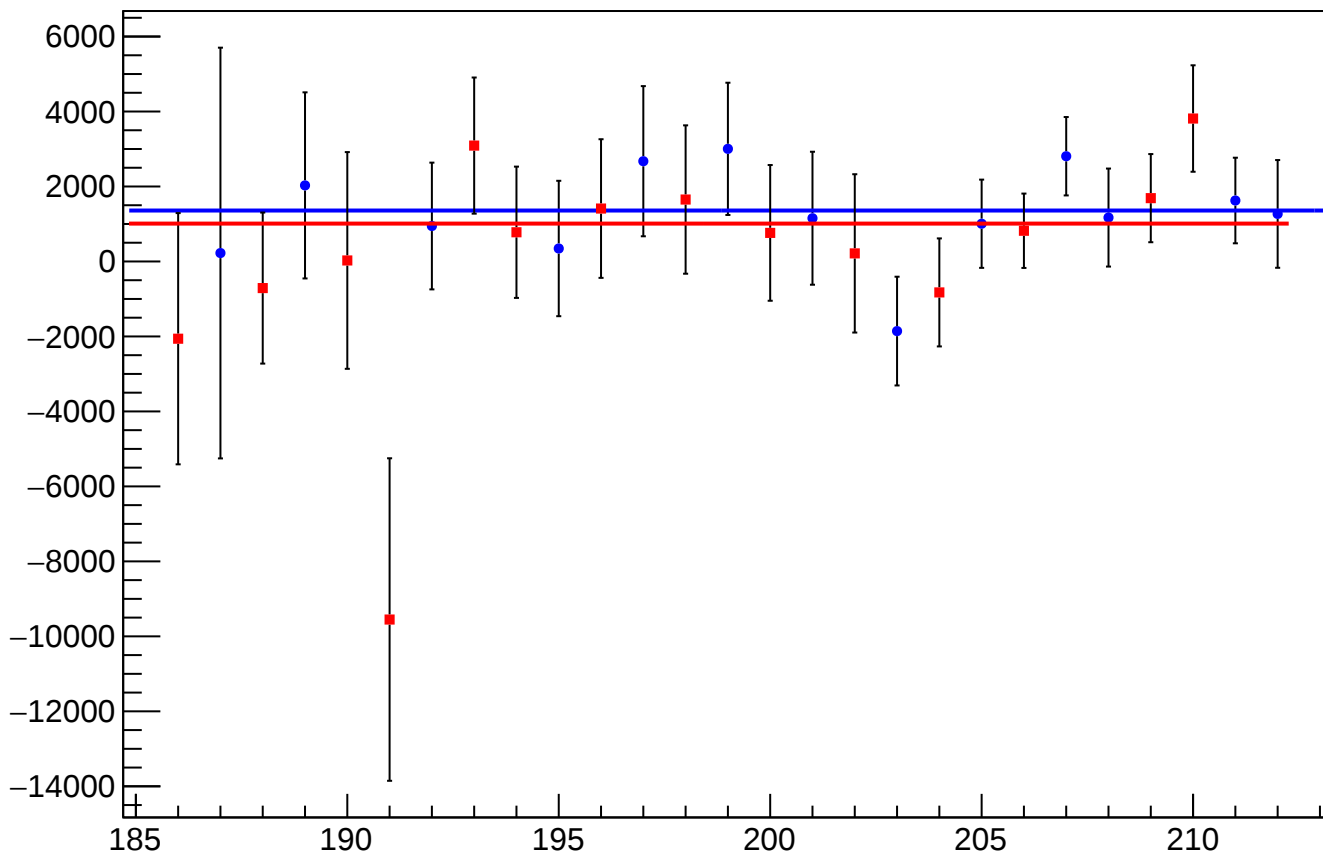
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1428.741+/-0.175 χ^2/NDF : 2002368.4/54

All: 1428.281+/-0.124 χ^2/NDF : 3679404.0/11

- sign 1427.816+/-0.176 χ^2/NDF : 1677021.8/55

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1358.936 $\pm$ 419.249 χ^2 /NDF: 8.8/12

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1010.253 $\pm$ 450.217 χ^2 /NDF: 15.2/13

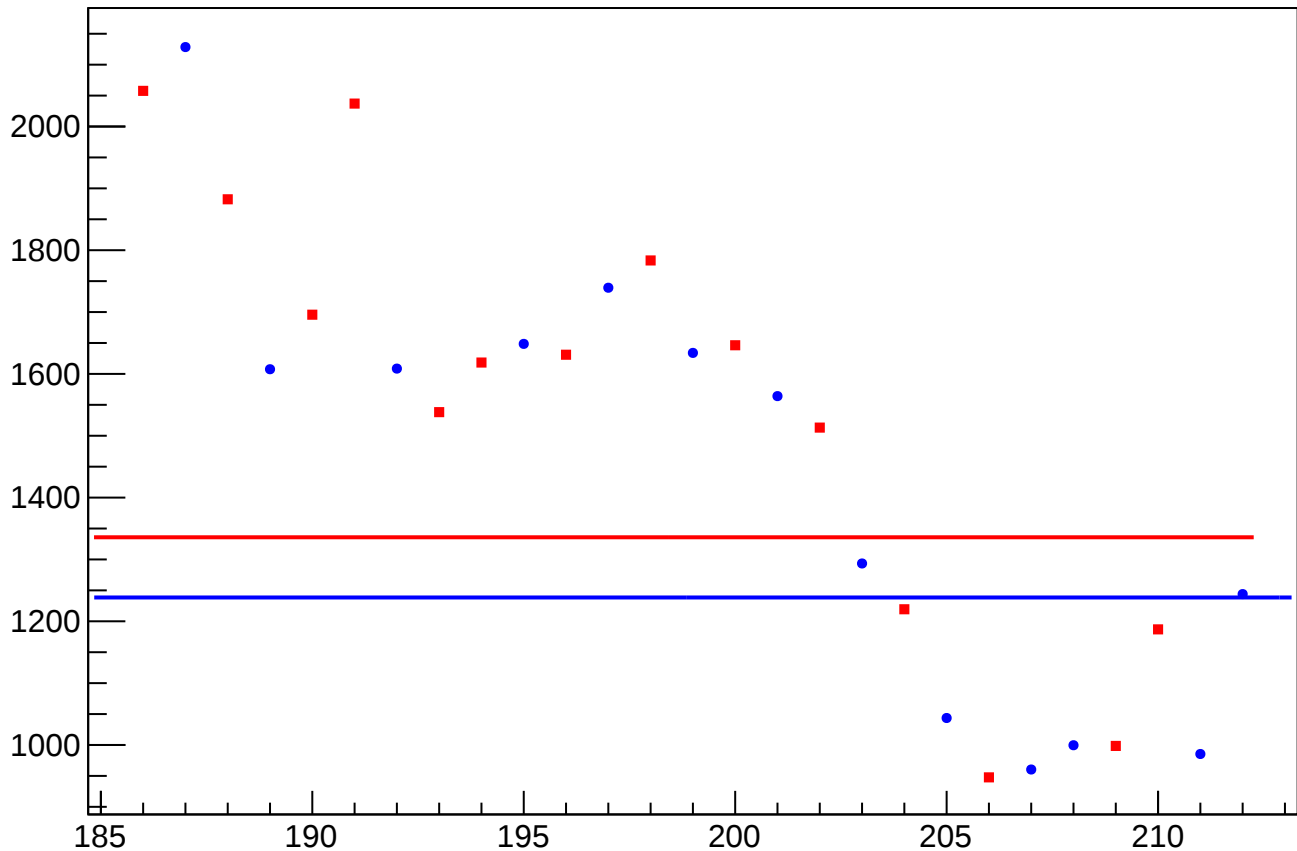
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1196.998 $\pm$ 306.818 χ^2 /NDF: 24.4/26

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1238.504+/-0.296 χ^2/NDF : 953264.8/12

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1335.832+/-0.318 χ^2/NDF : 1133349.9/13

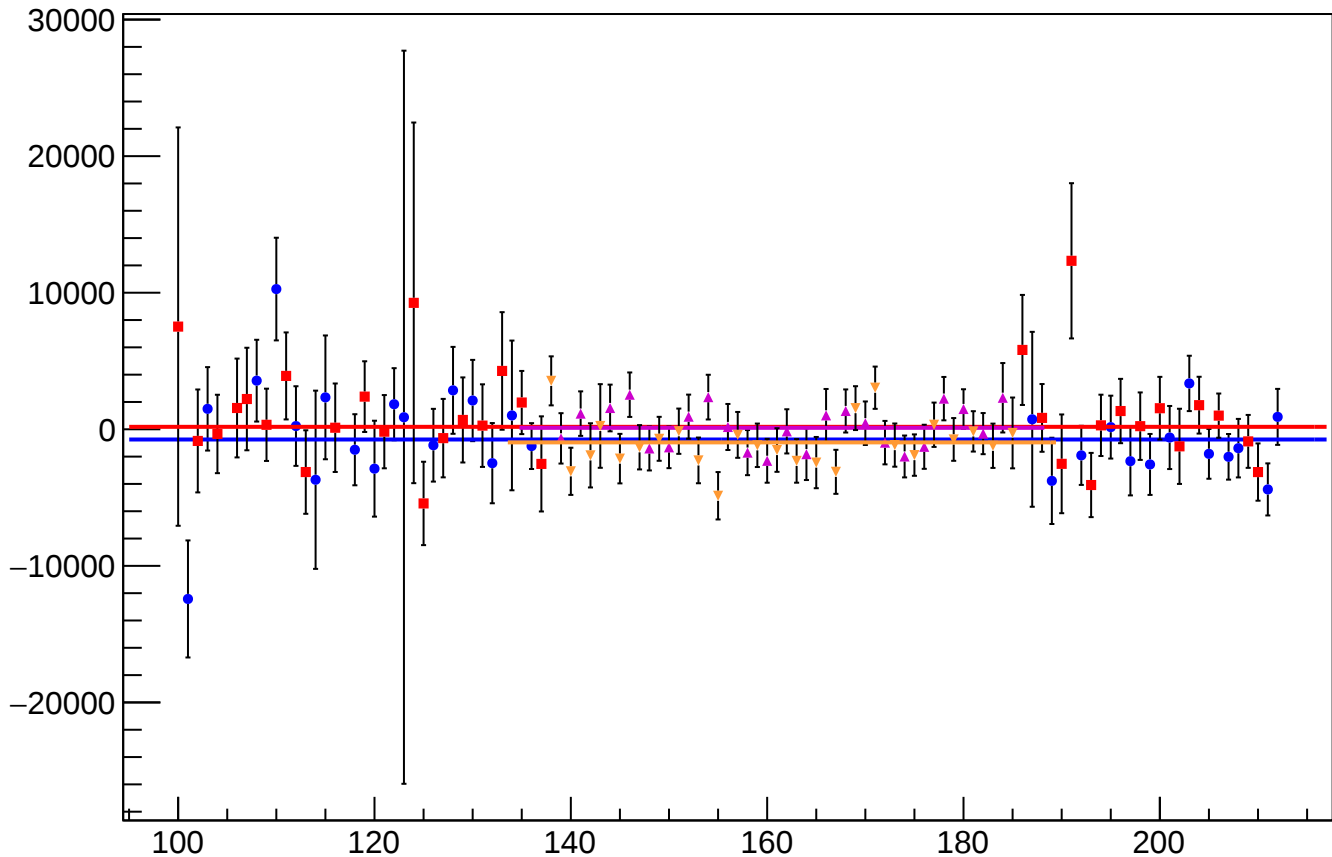
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1283.706+/-0.217 χ^2/NDF : 2136673.5/20

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -747.246+/-472.894 χ^2/NDF : 35.5/29

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 180.284+/-480.616 χ^2/NDF : 25.1/32

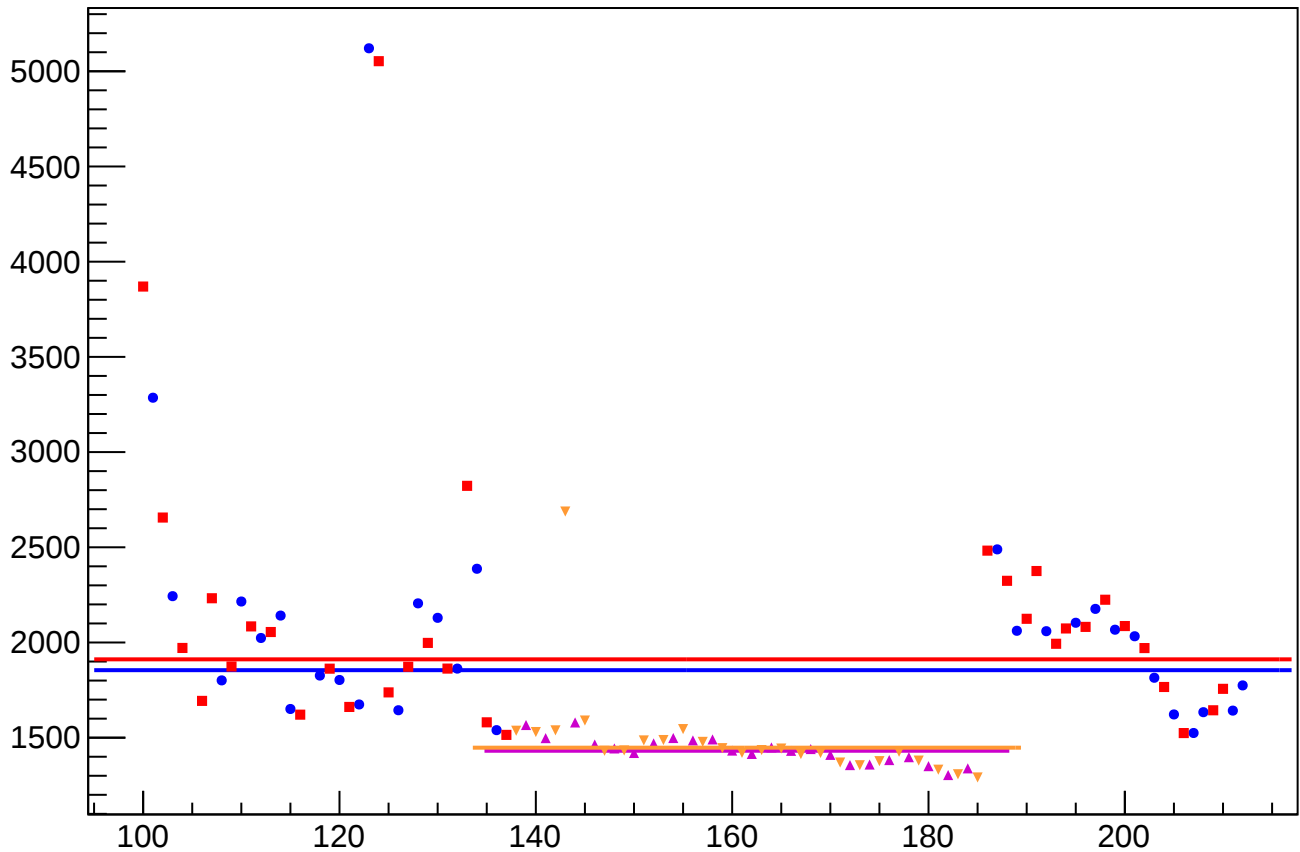
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -886.592+/-275.786 χ^2/NDF : 64.2/54

All: -384.134+/-196.327 χ^2/NDF : 115.5/110

- sign 132.132+/-279.549 χ^2/NDF : 44.6/55

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1854.597+/-0.334 χ^2/NDF : 764737.3/29

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1911.514+/-0.340 χ^2/NDF : 817448.9/32

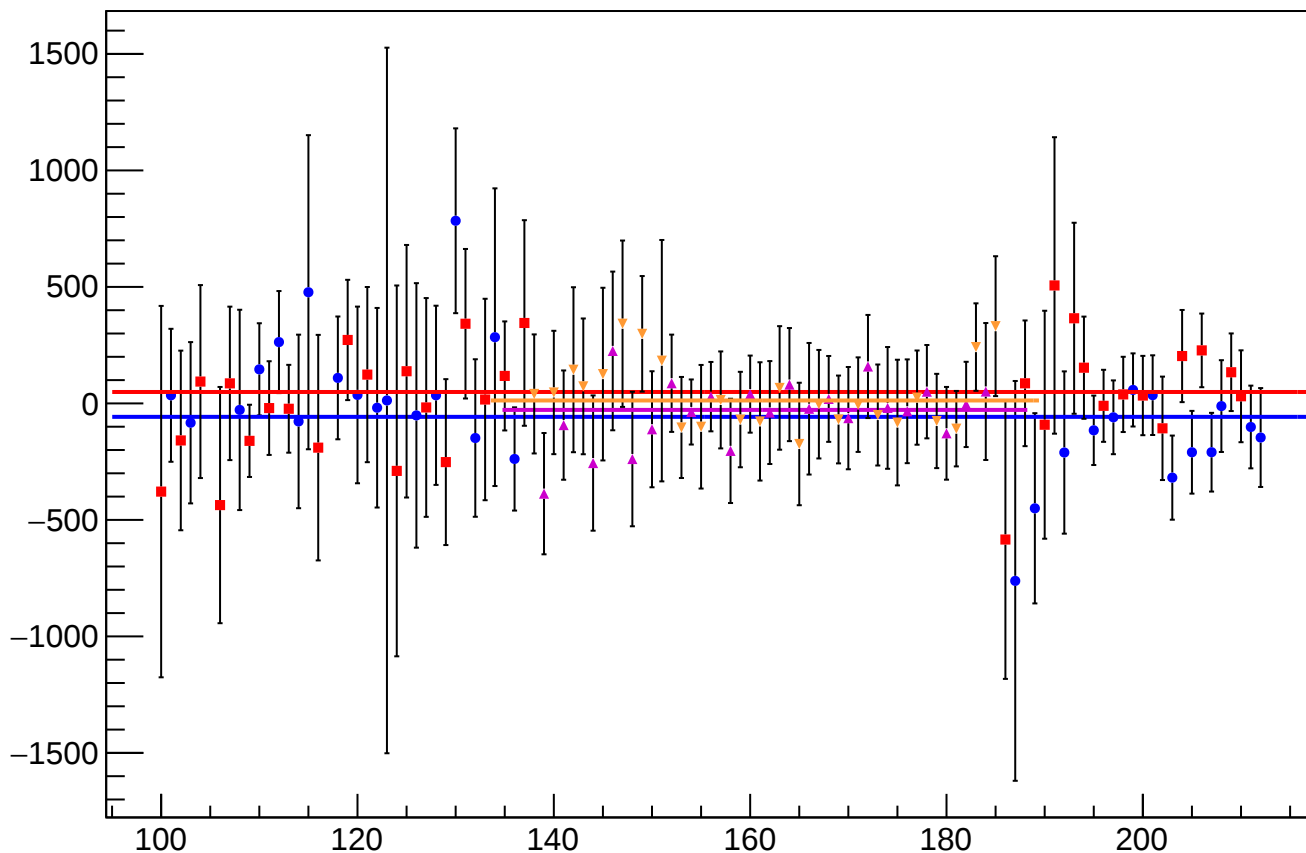
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1585.993+/-0.195 χ^2/NDF : 2161806.7/54

All: 1589.877+/-0.139 χ^2/NDF : 4375507.9/11

- sign 1593.868+/-0.198 χ^2/NDF : 2212896.9/55

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -57.690 ± 44.309 χ^2/NDF : 16.7/29

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 49.037 ± 44.013 χ^2/NDF : 12.3/32

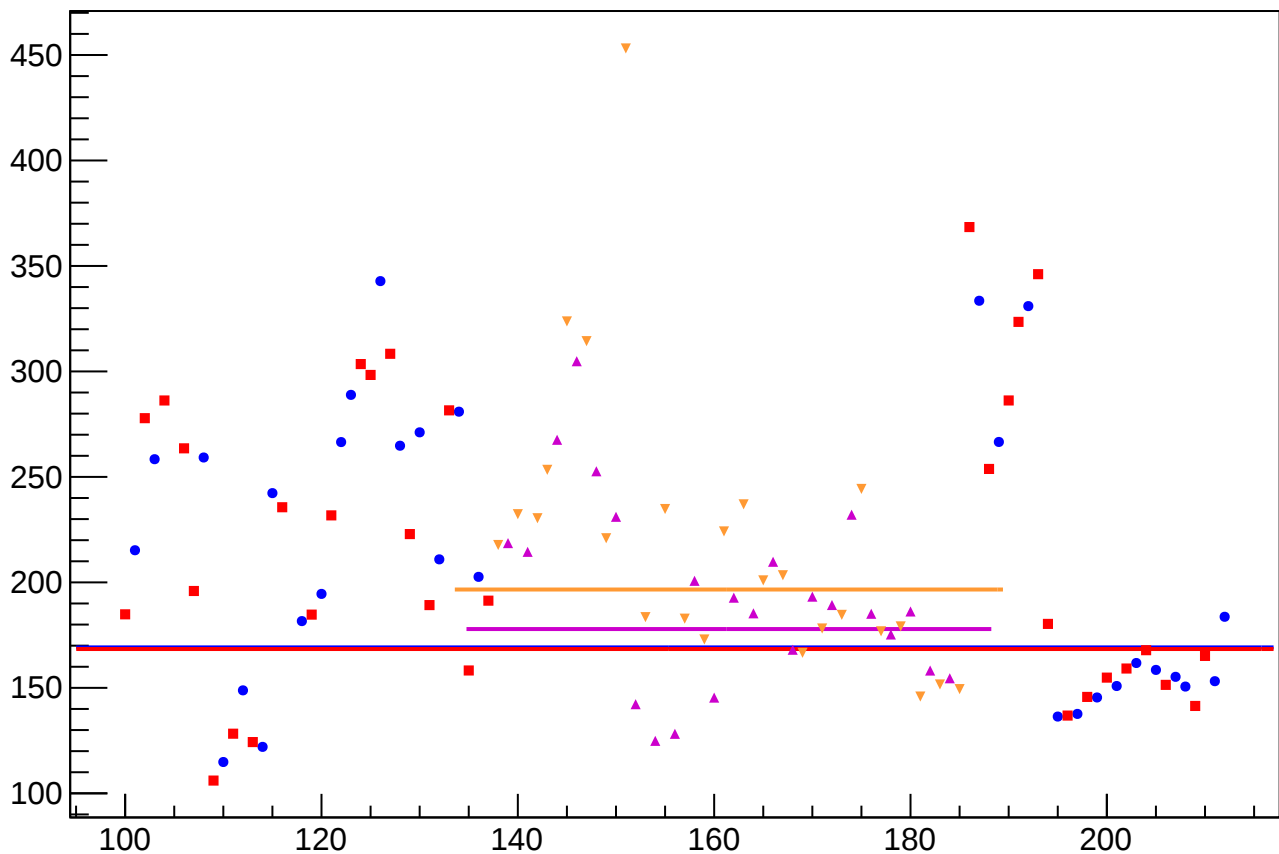
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign -24.966 ± 32.396 χ^2/NDF : 25.6/54

All: -6.363 ± 22.510 χ^2/NDF : 46.6/110

- sign 11.002 ± 31.301 χ^2/NDF : 20.4/55

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.178 $\pm$ 0.031 χ^2 /NDF: 2136904.4/29

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 168.409 $\pm$ 0.031 χ^2 /NDF: 2831877.2/32

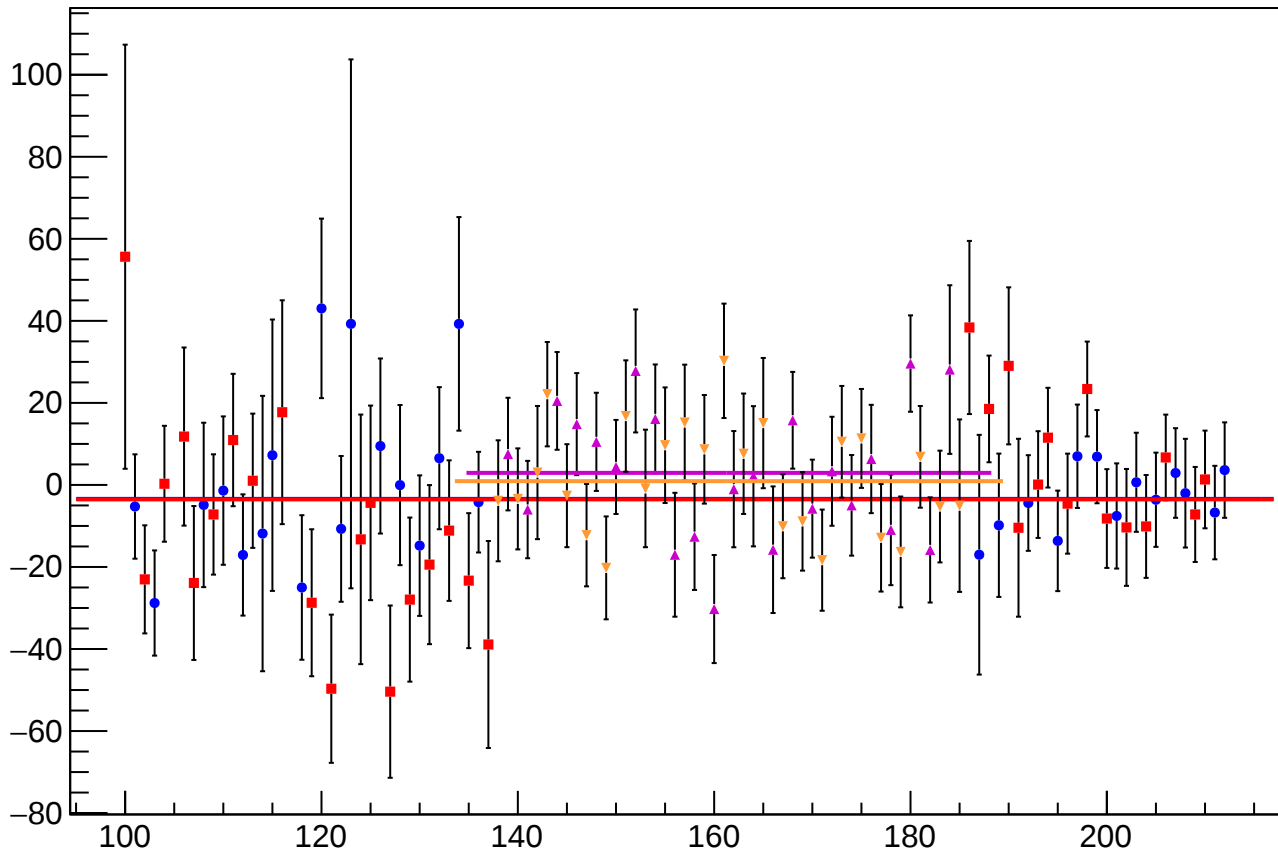
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 181.950 $\pm$ 0.023 χ^2 /NDF: 4287461.3/54

All: 177.367 $\pm$ 0.016 χ^2 /NDF: 8886568.8/110

- sign 173.089 $\pm$ 0.022 χ^2 /NDF: 4521713.5/55

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.400 ± 2.724 $\chi^2/\text{NDF}: 19.0/29$

Left Out: 0.920 ± 2.696 $\chi^2/\text{NDF}: 24.0/24$

Right Out: -3.523 ± 2.706 $\chi^2/\text{NDF}: 44.9/32$

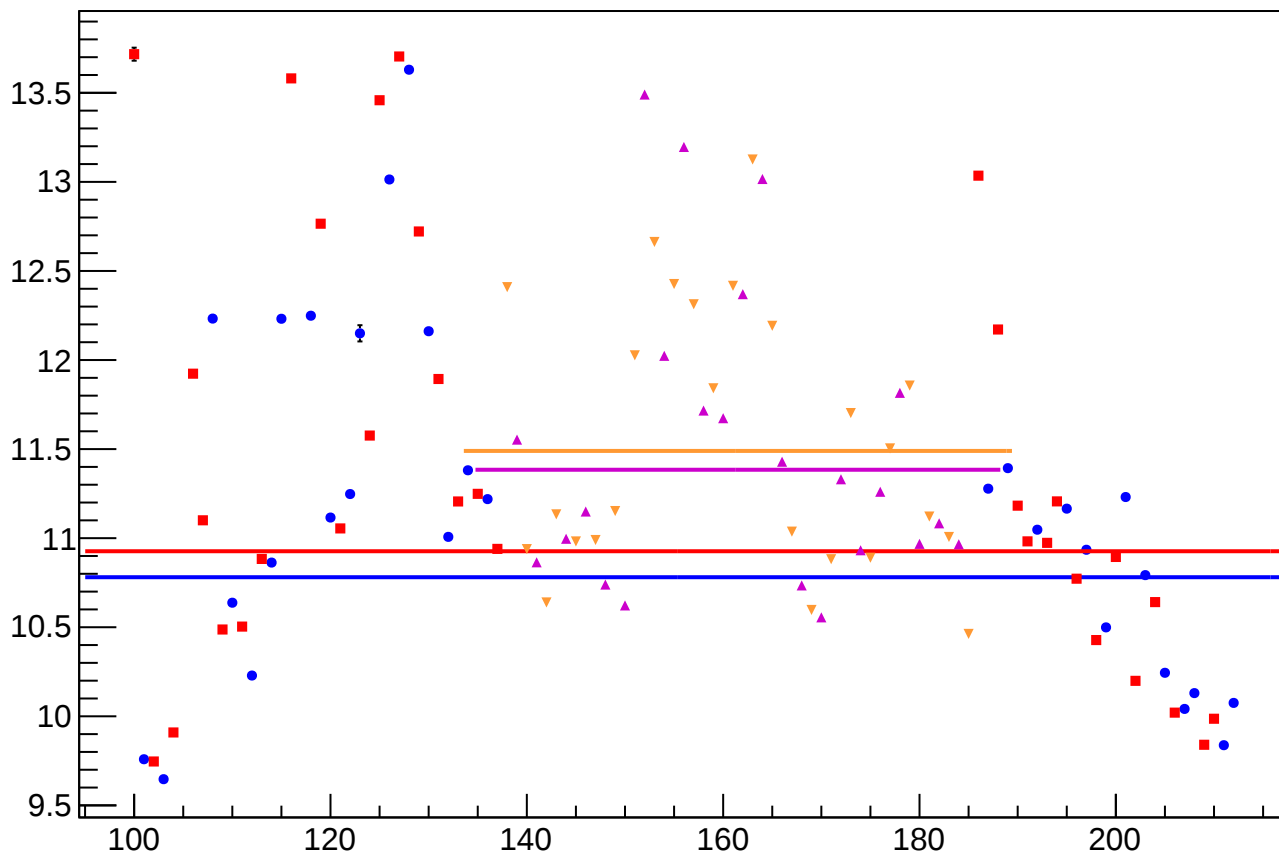
Left In: 2.941 ± 2.745 $\chi^2/\text{NDF}: 31.0/22$

+ sign -1.218 ± 1.916 $\chi^2/\text{NDF}: 44.3/54$

All: -0.780 ± 1.359 $\chi^2/\text{NDF}: 123.1/110$

- sign -0.336 ± 1.927 $\chi^2/\text{NDF}: 78.8/55$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.781 ± 0.002 χ^2/NDF : 193329.0/29

Left Out: 11.490 ± 0.002 χ^2/NDF : 132399.1/24

Right Out: 10.927 ± 0.002 χ^2/NDF : 256114.1/32

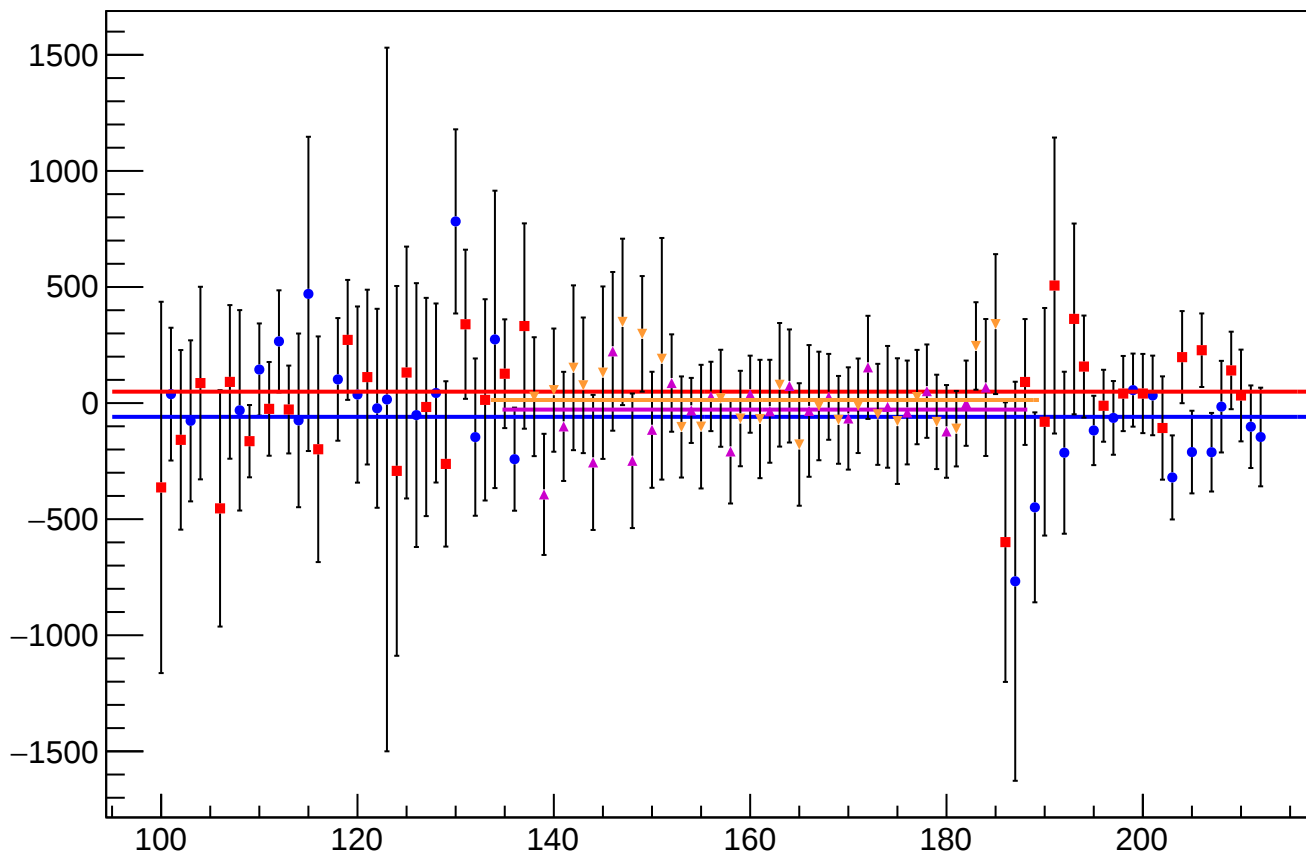
Left In: 11.384 ± 0.002 χ^2/NDF : 149799.6/22

+ sign 11.139 ± 0.001 χ^2/NDF : 394165.3/54

All: 11.145 ± 0.001 χ^2/NDF : 828297.6/110

- sign 11.152 ± 0.001 χ^2/NDF : 434085.4/55

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -59.280 ± 44.417 χ^2/NDF : 16.7/29

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 49.200 ± 44.129 χ^2/NDF : 12.5/32

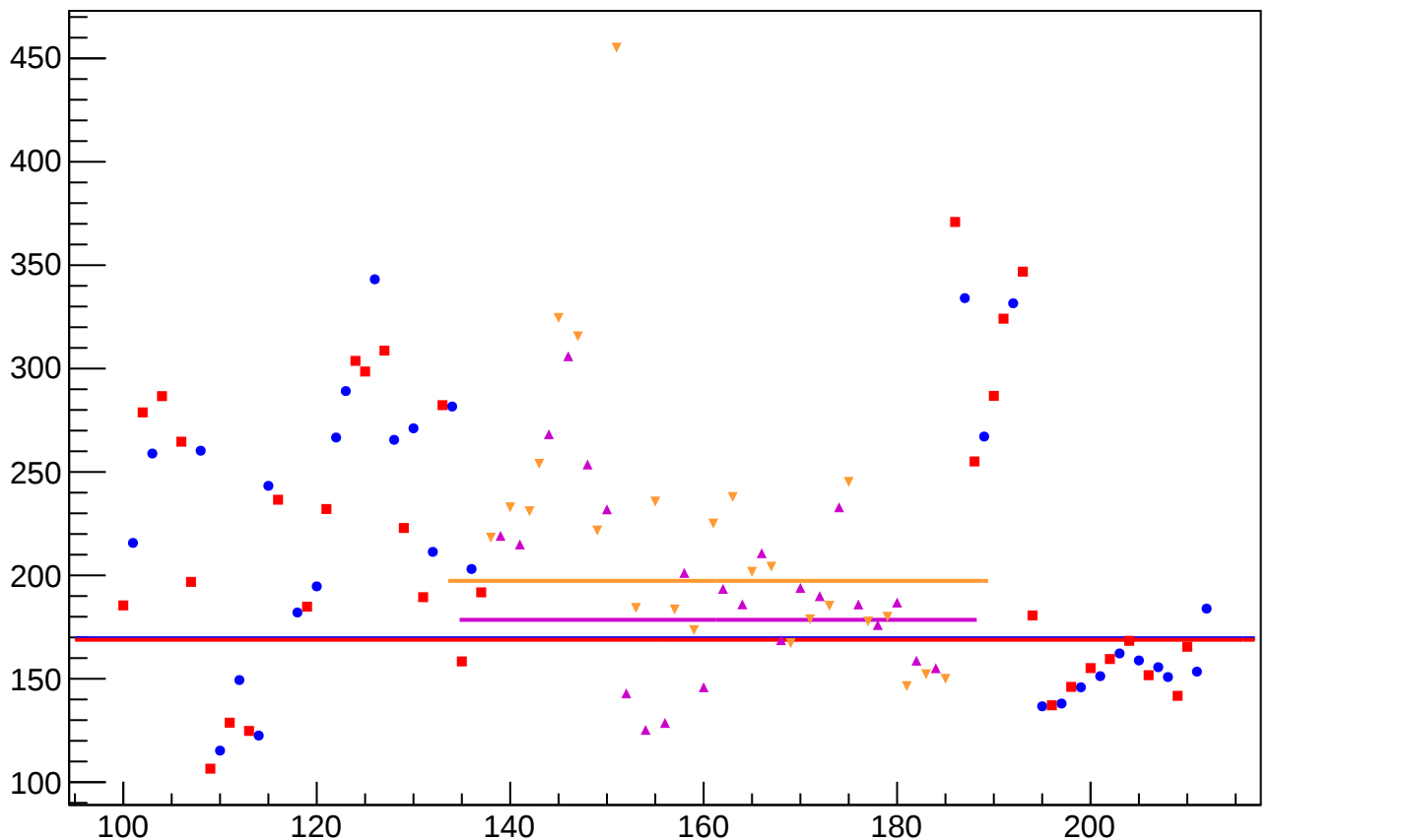
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign -25.534 ± 32.494 χ^2/NDF : 25.8/54

All: -6.611 ± 22.579 χ^2/NDF : 47.0/110

- sign 11.056 ± 31.397 χ^2/NDF : 20.6/55

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 169.601 $\pm$ 0.031 χ^2 /NDF: 2132077.2/29

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF: 1790824.5/24

Right Out: 168.863 $\pm$ 0.031 χ^2 /NDF: 2828609.0/32

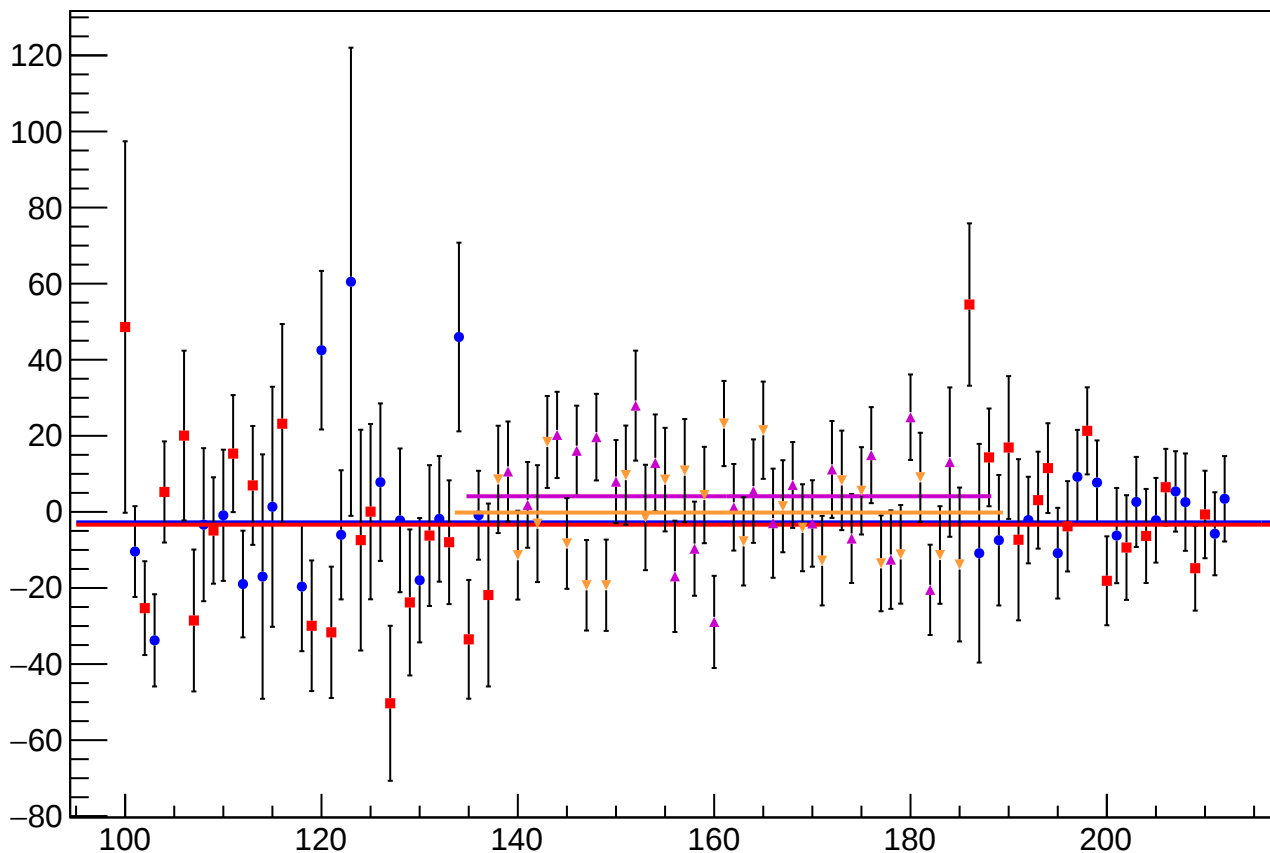
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF: 1642304.1/22

+ sign 182.501 $\pm$ 0.023 χ^2 /NDF: 4285872.1/54

All: 177.912 $\pm$ 0.016 χ^2 /NDF: 8881126.8/110

- sign 173.628 $\pm$ 0.022 χ^2 /NDF: 4518126.3/55

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -2.754 ± 2.628 χ^2/NDF : 24.2/29

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -3.360 ± 2.618 χ^2/NDF : 47.4/32

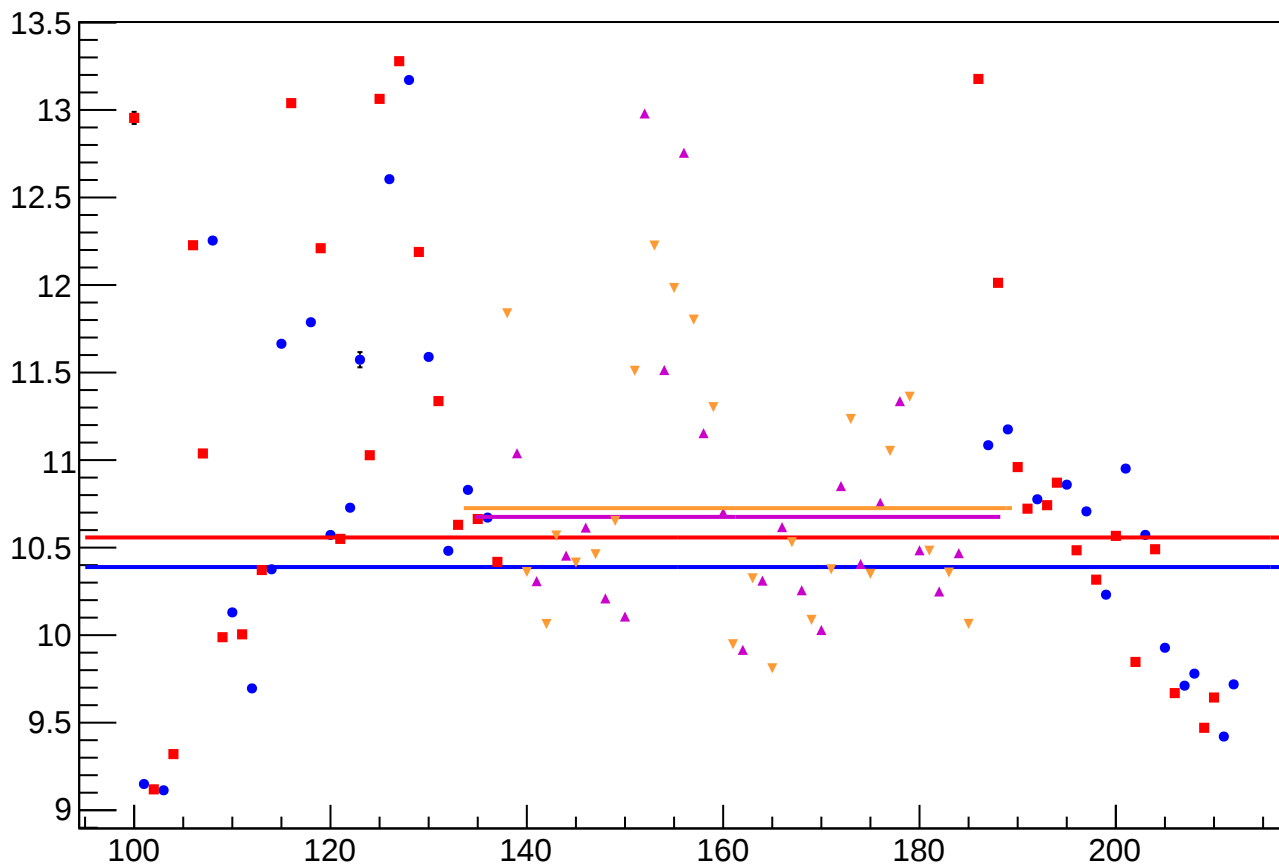
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -1.408 ± 1.819 χ^2/NDF : 49.1/54

All: -0.497 ± 1.292 χ^2/NDF : 132.7/110

- sign 0.432 ± 1.837 χ^2/NDF : 83.1/55

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.389 $\pm$ 0.002 χ^2 /NDF: 219859.6/29

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF: 132170.8/24

Right Out: 10.558 $\pm$ 0.002 χ^2 /NDF: 294744.8/32

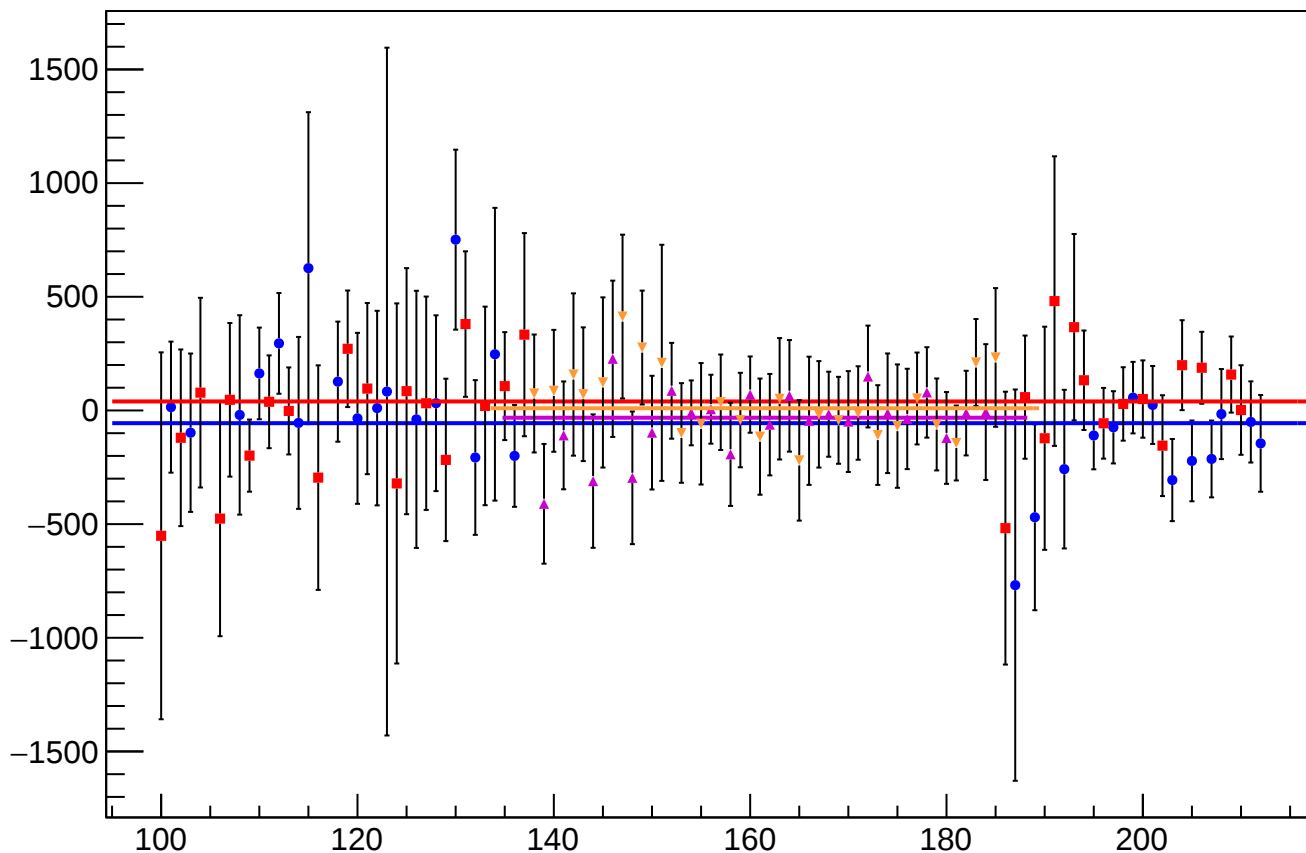
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF: 145938.2/22

+ sign 10.564 $\pm$ 0.001 χ^2 /NDF: 369107.2/54

All: 10.591 $\pm$ 0.001 χ^2 /NDF: 812687.0/110

- sign 10.618 $\pm$ 0.001 χ^2 /NDF: 442727.6/55

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -55.962 ± 44.498 χ^2/NDF : 17.1/29

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 39.608 ± 44.269 χ^2/NDF : 13.2/32

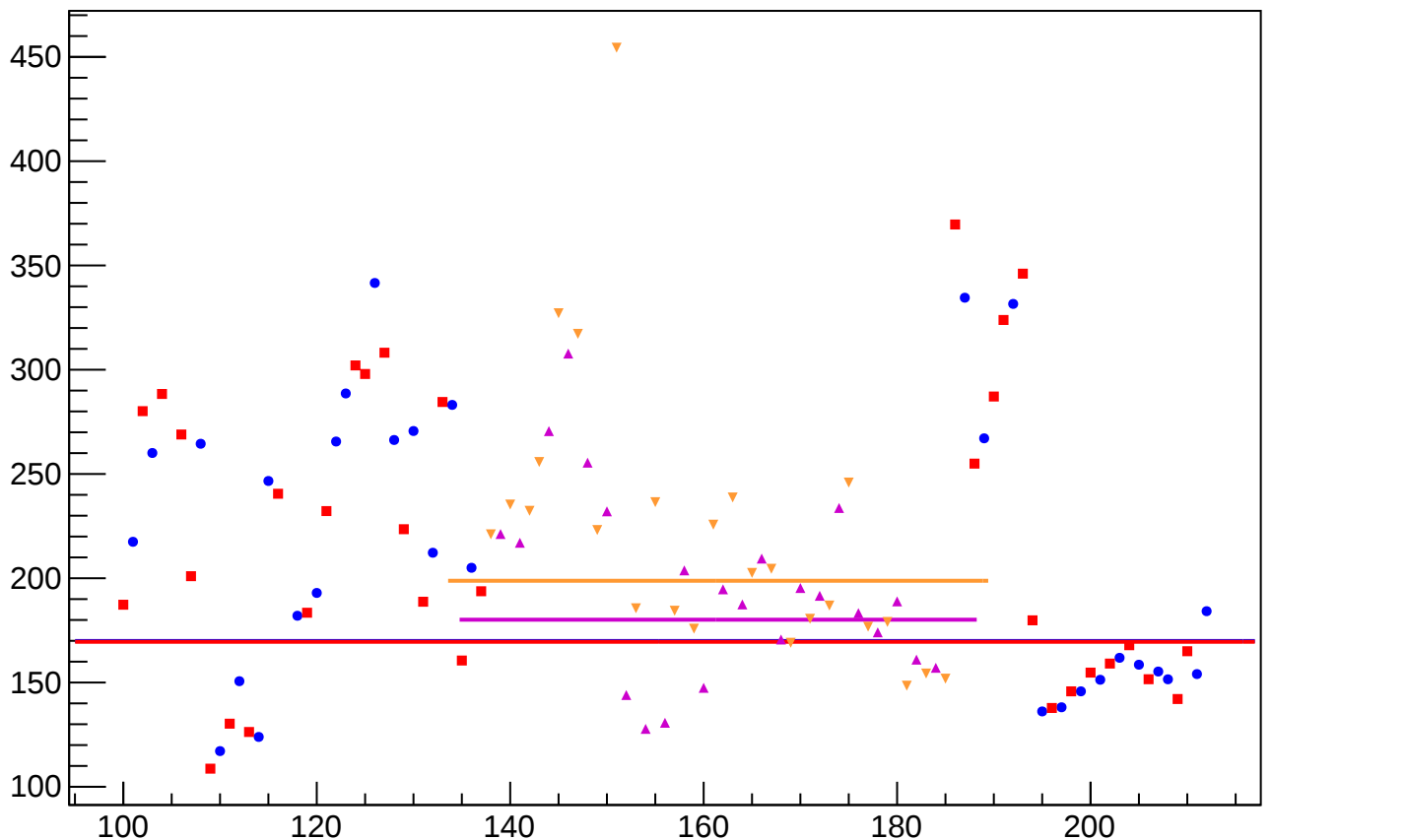
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -25.552 ± 32.626 χ^2/NDF : 25.7/54

All: -10.070 ± 22.688 χ^2/NDF : 47.7/110

- sign 4.427 ± 31.571 χ^2/NDF : 21.6/55

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.912 $\pm$ 0.031 χ^2 /NDF: 2130432.7/29

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF: 1763119.1/24

Right Out: 169.539 $\pm$ 0.031 χ^2 /NDF: 2788641.5/32

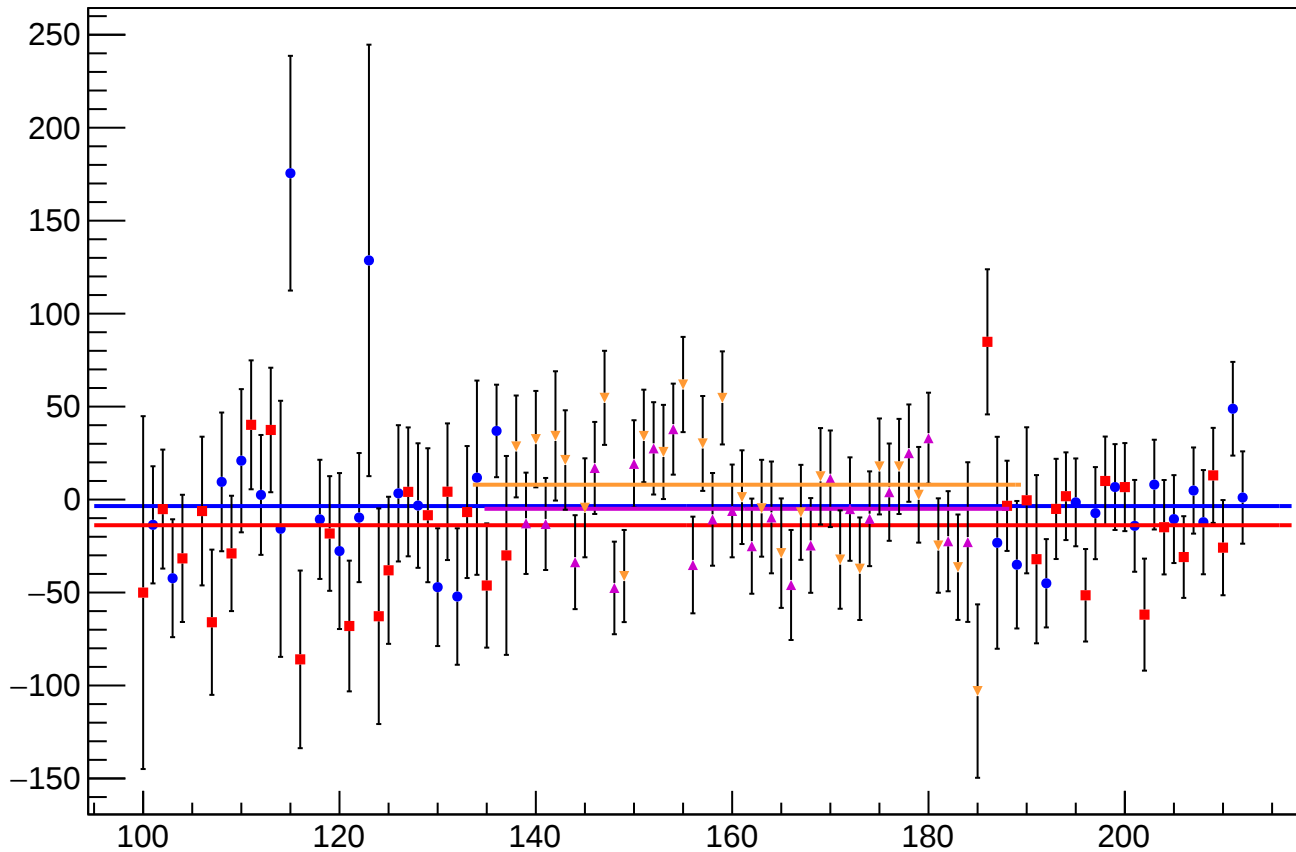
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF: 1593842.6/22

+ sign 183.270 $\pm$ 0.023 χ^2 /NDF: 4283333.4/54

All: 178.865 $\pm$ 0.016 χ^2 /NDF: 8792607.1/110

- sign 174.740 $\pm$ 0.022 χ^2 /NDF: 4438663.5/55

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.498 ± 5.562 χ^2/NDF : 27.7/29

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -13.802 ± 5.488 χ^2/NDF : 30.6/32

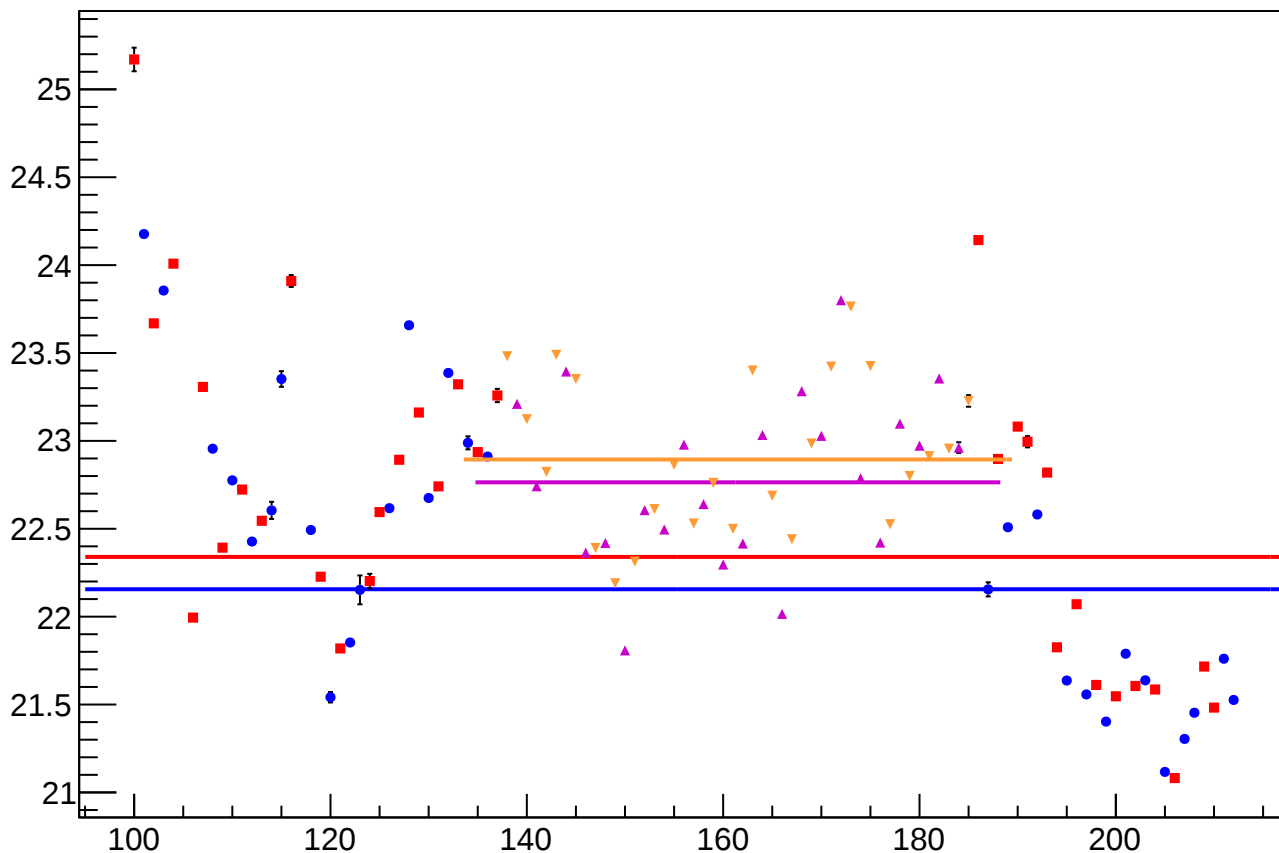
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 2.493 ± 3.847 χ^2/NDF : 67.3/54

All: -3.402 ± 2.727 χ^2/NDF : 124.4/110

- sign -9.352 ± 3.865 χ^2/NDF : 52.4/55

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.156 $\pm$ 0.004 χ^2 /NDF: 42714.0/29

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.340 $\pm$ 0.004 χ^2 /NDF: 44271.4/32

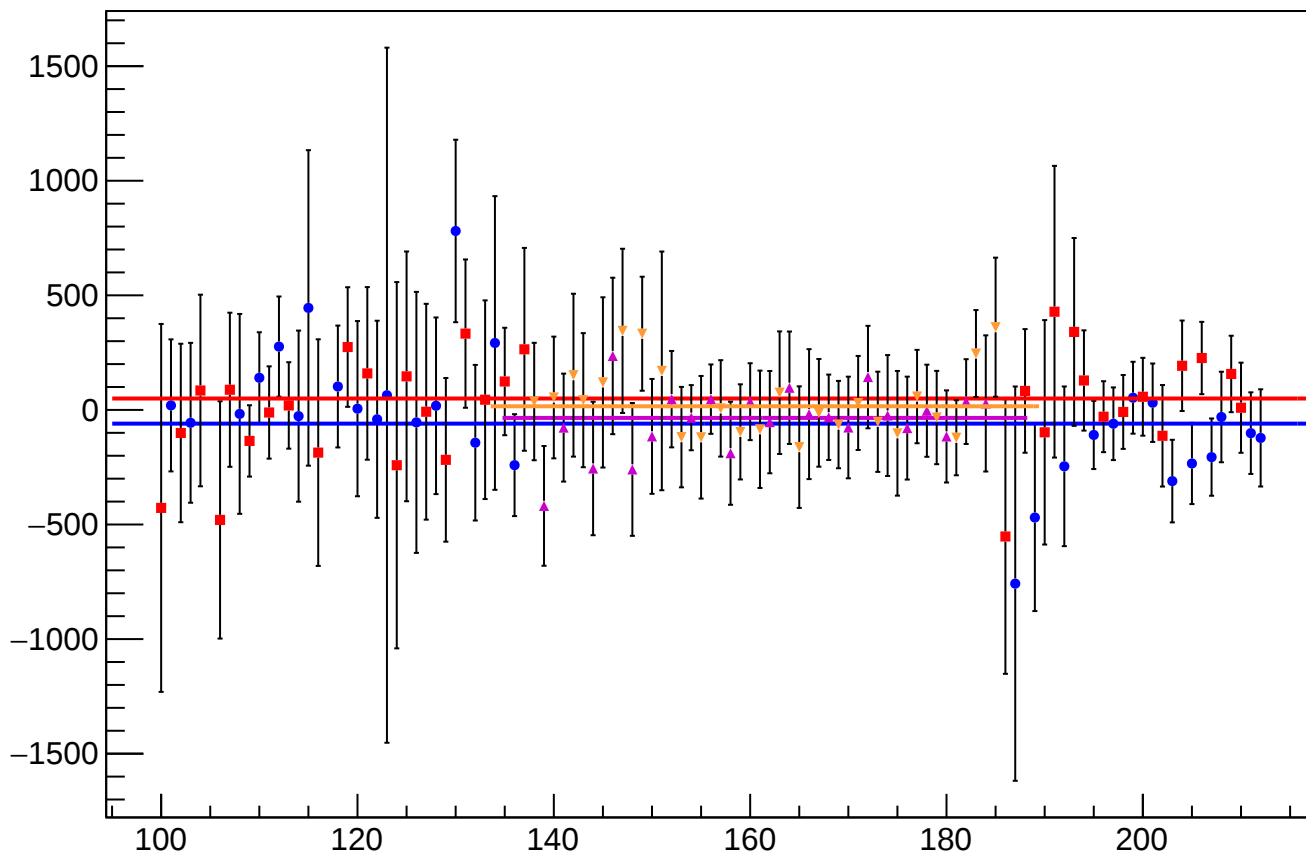
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.541 $\pm$ 0.003 χ^2 /NDF: 74158.5/54

All: 22.547 $\pm$ 0.002 χ^2 /NDF: 139133.4/110

- sign 22.554 $\pm$ 0.003 χ^2 /NDF: 64963.8/55

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -59.829 ± 44.367 χ^2/NDF : 16.6/29

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 49.768 ± 44.078 χ^2/NDF : 11.3/32

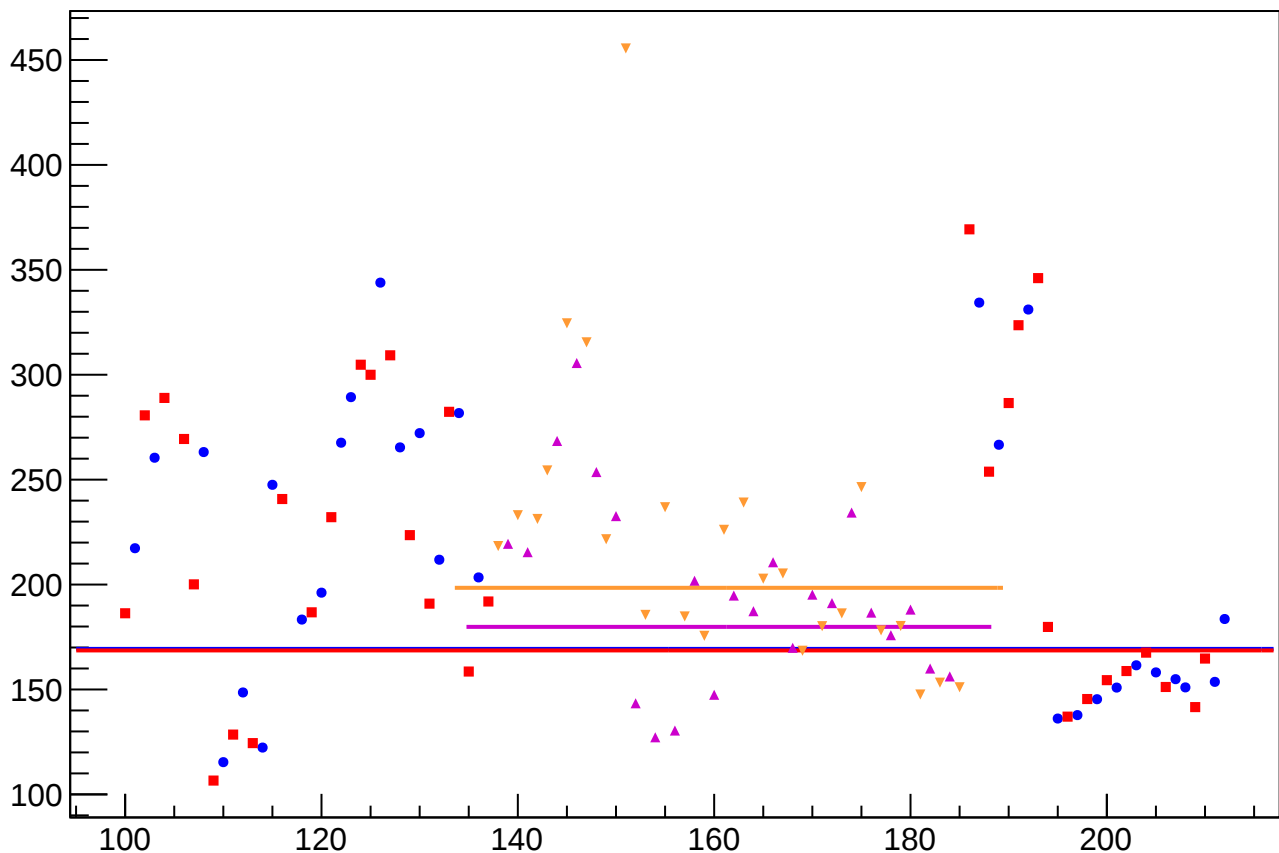
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign -24.857 ± 32.549 χ^2/NDF : 26.4/54

All: -7.738 ± 22.628 χ^2/NDF : 46.6/110

- sign 8.273 ± 31.479 χ^2/NDF : 19.7/55

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.338 $\pm$ 0.031 χ^2 /NDF: 2160580.1/29

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF: 1761433.9/24

Right Out: 168.609 $\pm$ 0.031 χ^2 /NDF: 2856145.6/32

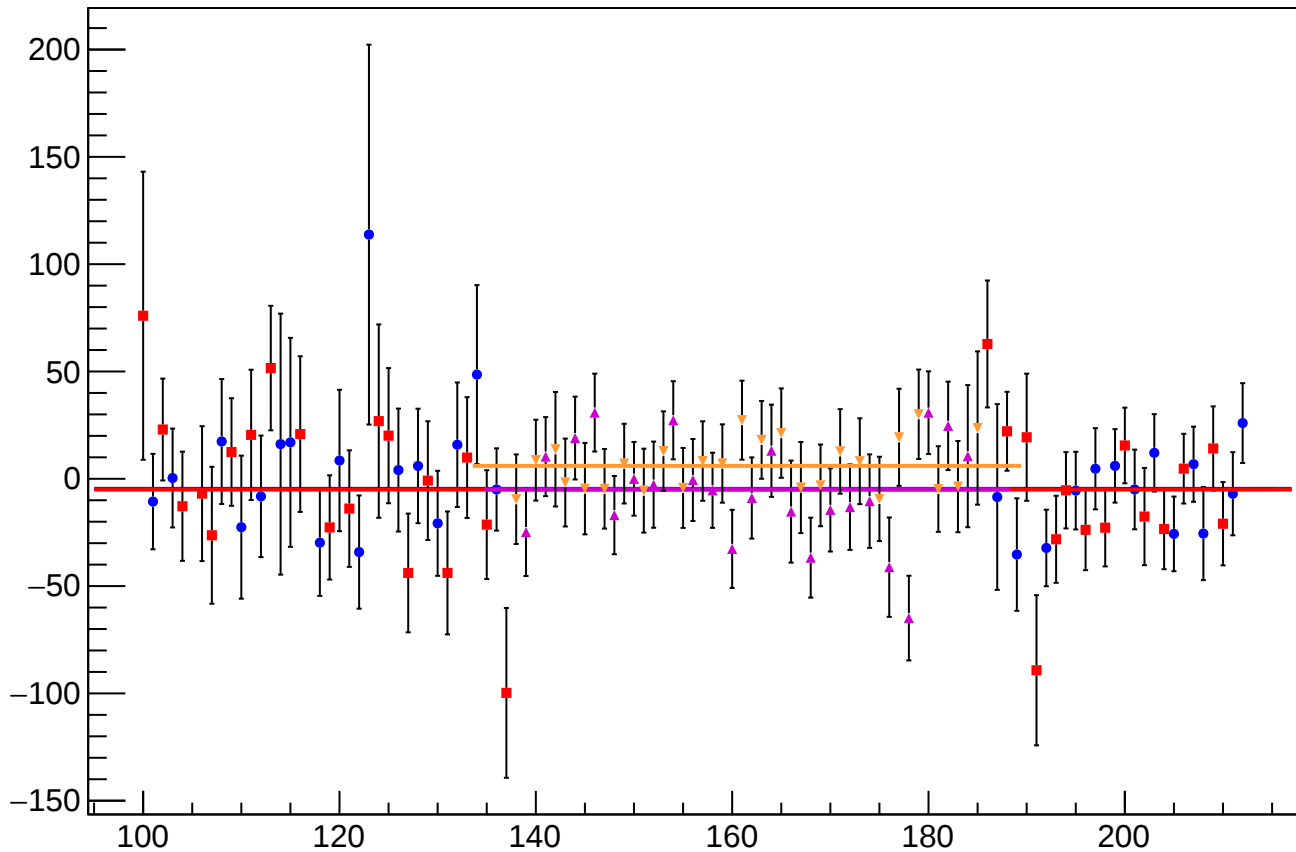
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF: 1588834.3/22

+ sign 182.782 $\pm$ 0.023 χ^2 /NDF: 4319635.7/54

All: 178.301 $\pm$ 0.016 χ^2 /NDF: 8901559.5/110

- sign 174.111 $\pm$ 0.022 χ^2 /NDF: 4508594.8/55

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.702 ± 4.247 χ^2/NDF : 19.1/29

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -5.017 ± 4.203 χ^2/NDF : 42.7/32

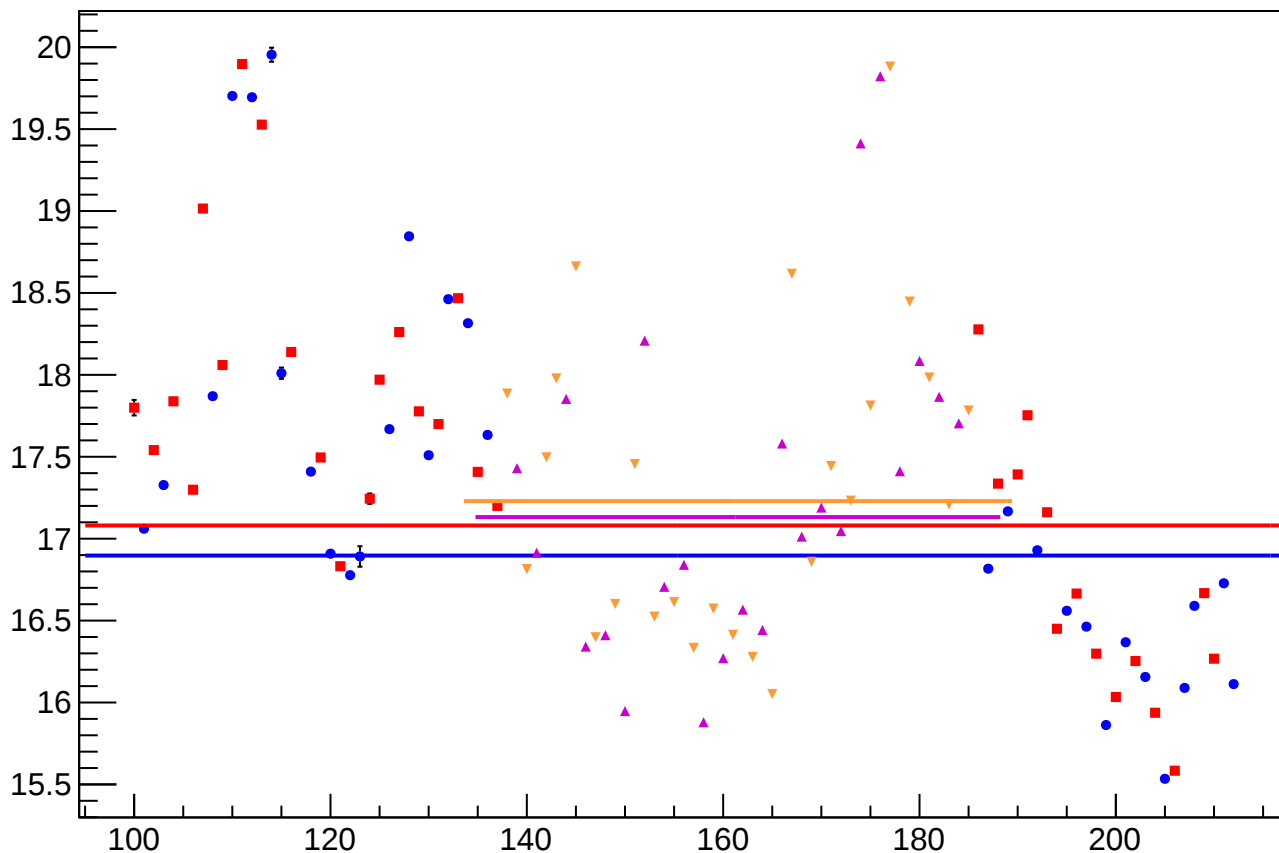
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 0.957 ± 2.919 χ^2/NDF : 30.7/54

All: -1.992 ± 2.070 χ^2/NDF : 110.3/110

- sign -4.980 ± 2.938 χ^2/NDF : 77.6/55

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.897 $\pm$ 0.003 χ^2/NDF : 103098.0/29

Left Out: 17.229 $\pm$ 0.003 χ^2/NDF : 98624.7/24

Right Out: 17.081 $\pm$ 0.003 χ^2/NDF : 110263.0/32

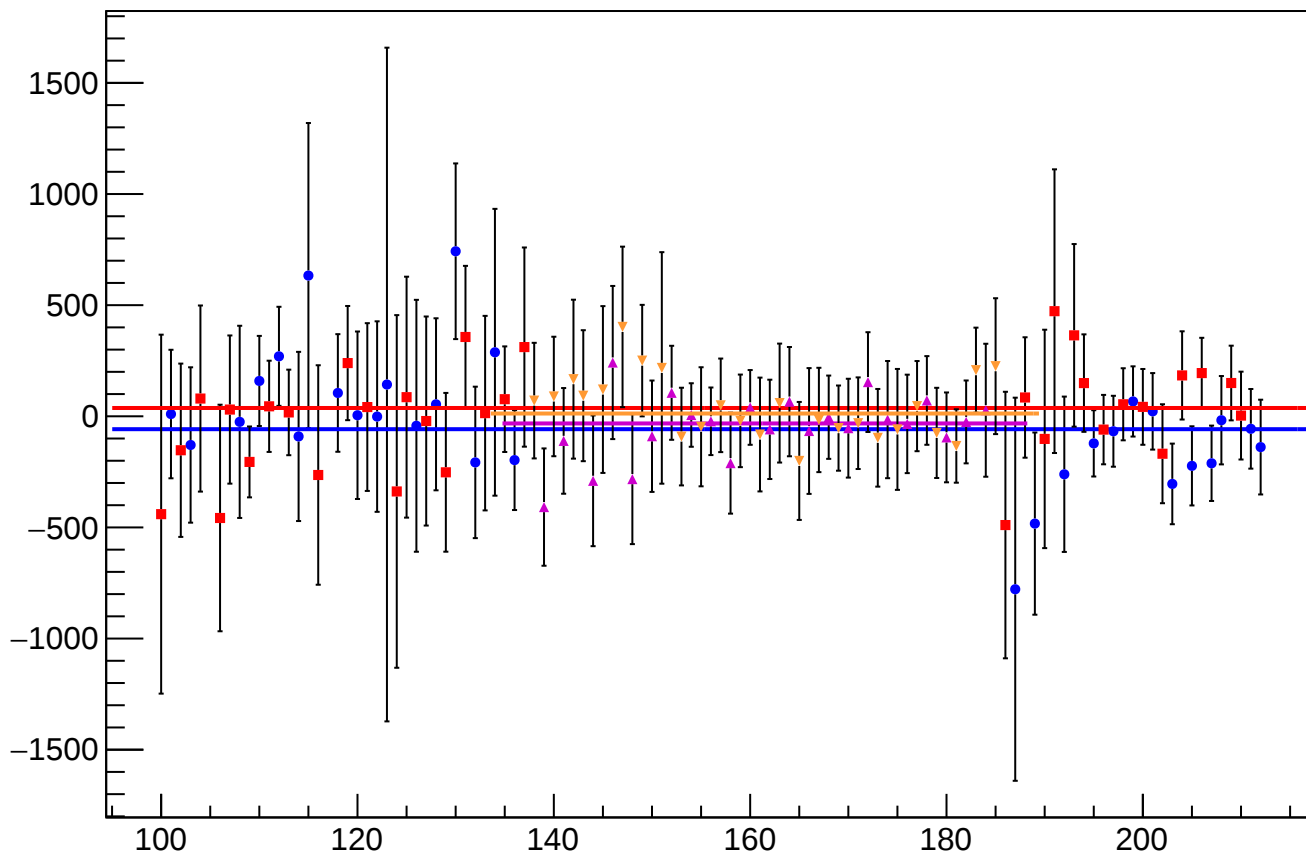
Left In: 17.132 $\pm$ 0.003 χ^2/NDF : 103997.3/22

+ sign 17.072 $\pm$ 0.002 χ^2/NDF : 208176.3/54

All: 17.089 $\pm$ 0.001 χ^2/NDF : 422727.3/110

- sign 17.107 $\pm$ 0.002 χ^2/NDF : 214412.1/55

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -57.992+/-44.630 χ^2/NDF : 16.8/29

Left Out: 12.474+/-48.086 χ^2/NDF : 6.8/24

Right Out: 37.384+/-44.386 χ^2/NDF : 12.7/32

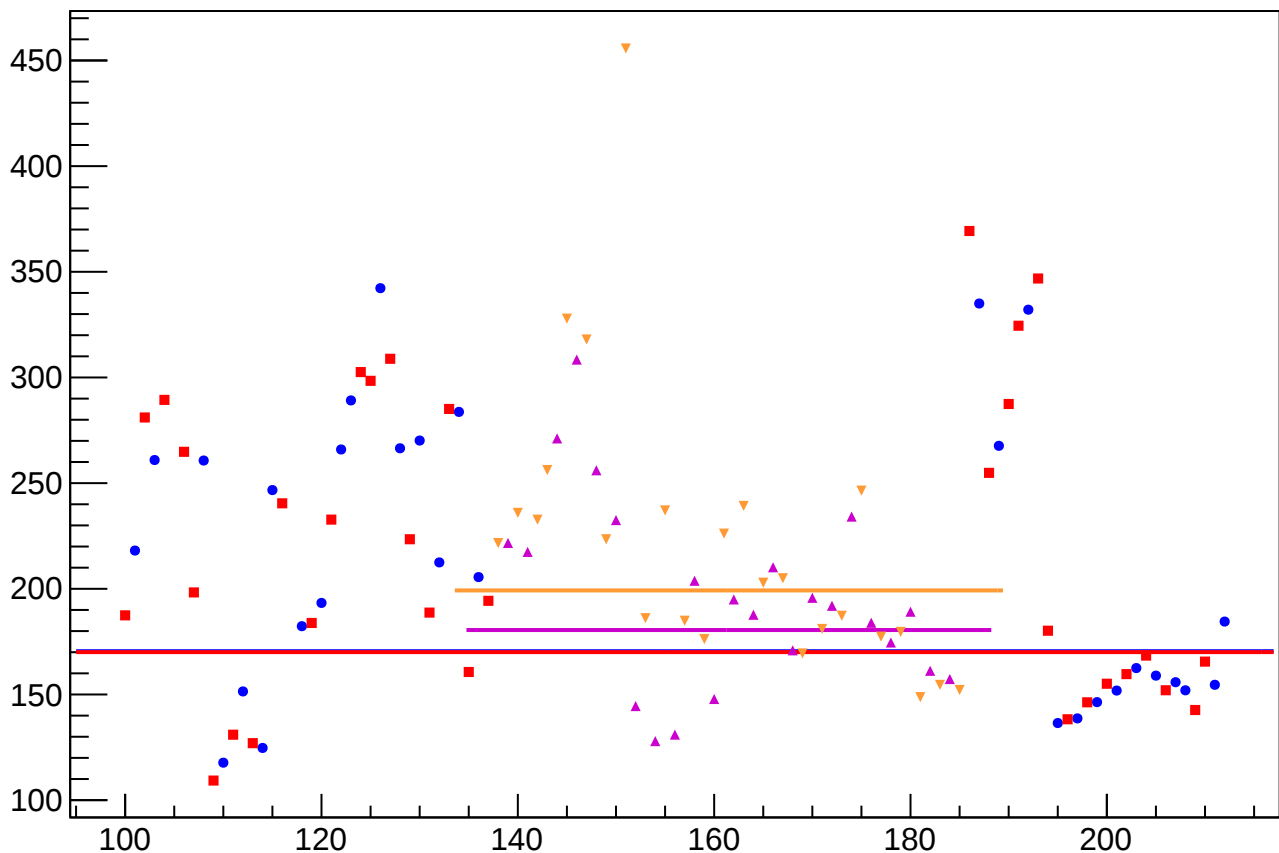
Left In: -32.159+/-45.131 χ^2/NDF : 6.9/22

+ sign -25.382+/-32.712 χ^2/NDF : 24.8/54

All: -10.622+/-22.744 χ^2/NDF : 46.0/110

- sign 3.191+/-31.646 χ^2/NDF : 20.8/55

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.470 $\pm$ 0.032 χ^2 /NDF: 2112079.6/29

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF: 1764097.7/24

Right Out: 170.054 $\pm$ 0.031 χ^2 /NDF: 2764035.4/32

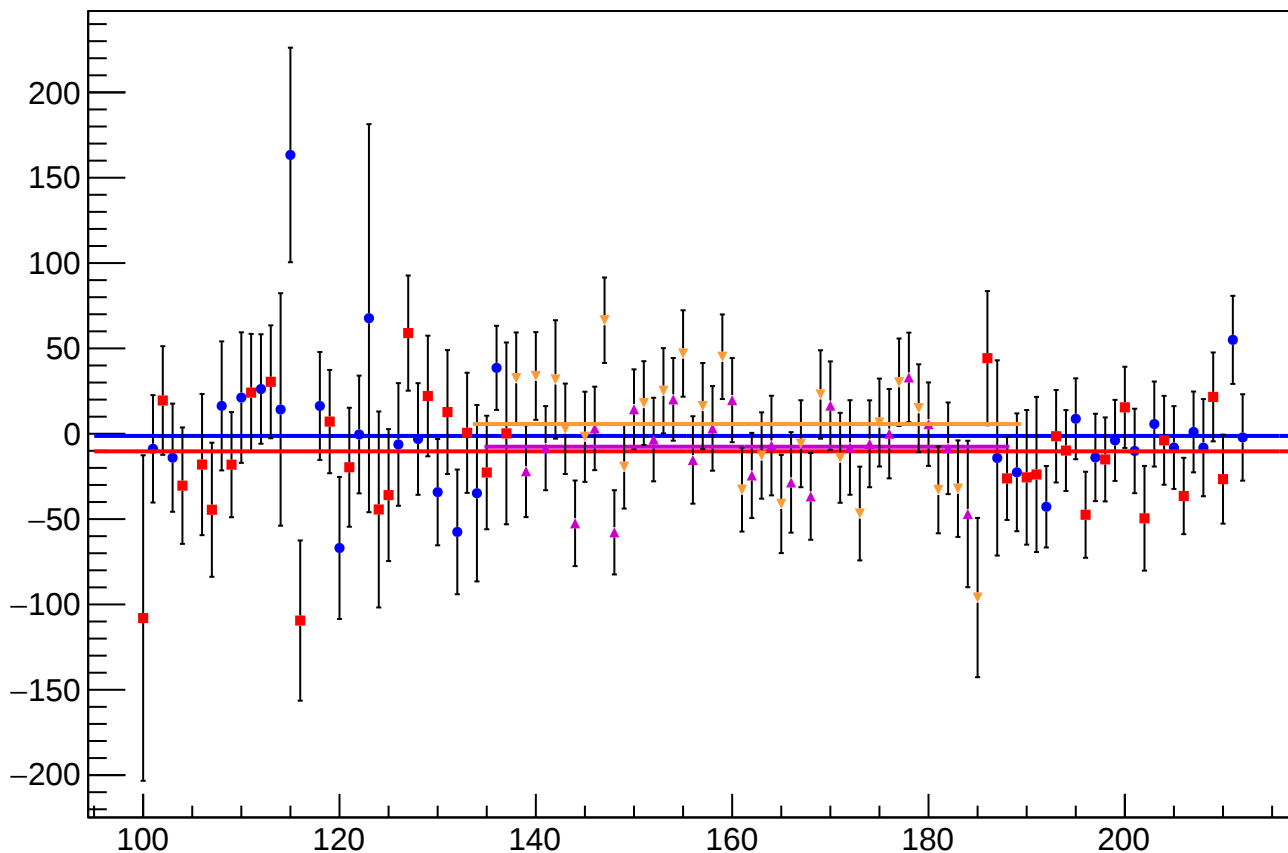
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF: 1593784.1/22

+ sign 183.784 $\pm$ 0.023 χ^2 /NDF: 4260837.5/54

All: 179.343 $\pm$ 0.016 χ^2 /NDF: 8744417.7/110

- sign 175.187 $\pm$ 0.022 χ^2 /NDF: 4412217.2/55

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.278 ± 5.603 $\chi^2/\text{NDF}: 27.1/29$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -10.300 ± 5.510 $\chi^2/\text{NDF}: 28.1/32$

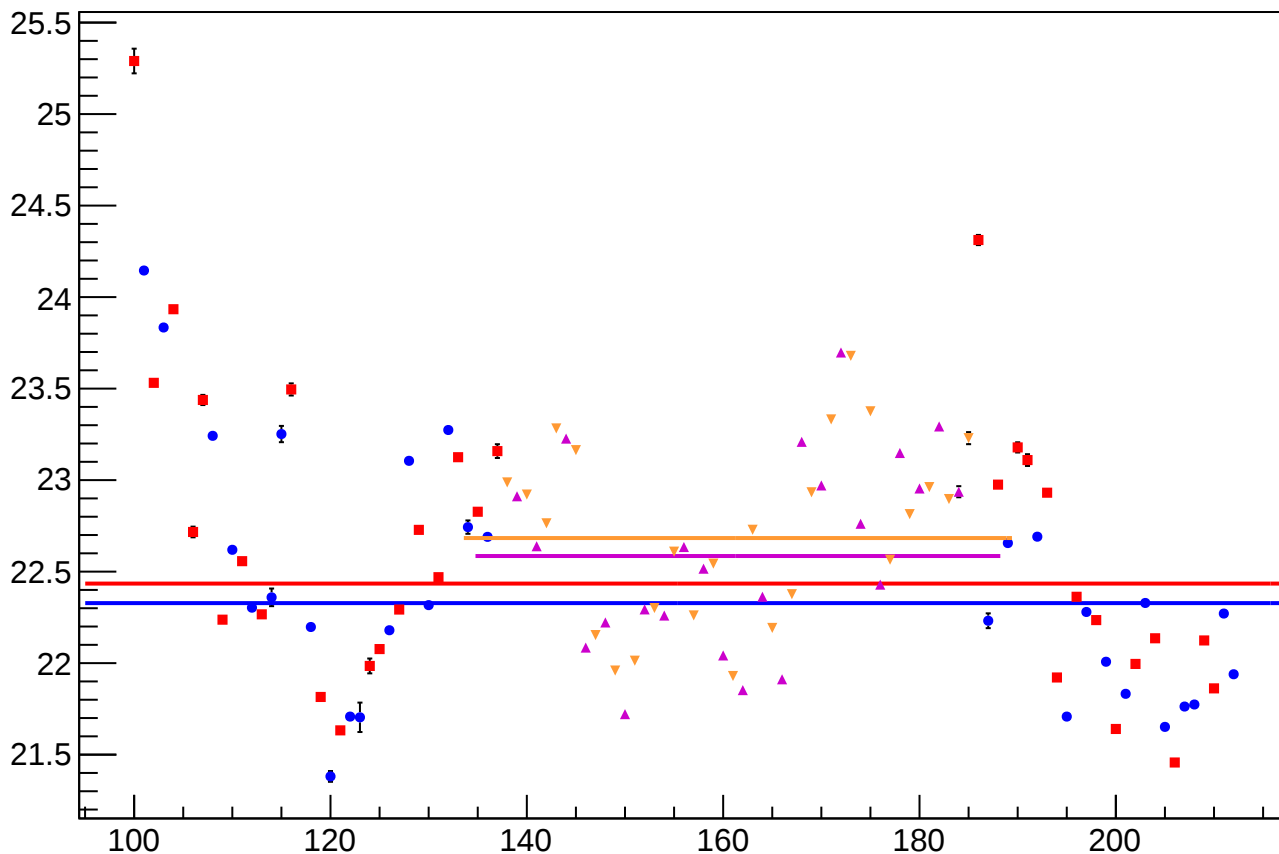
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 2.405 ± 3.842 $\chi^2/\text{NDF}: 64.4/54$

All: -3.235 ± 2.722 $\chi^2/\text{NDF}: 115.2/110$

- sign -8.920 ± 3.857 $\chi^2/\text{NDF}: 46.5/55$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.328 $\pm$ 0.004 χ^2 /NDF: 24882.7/29

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.435 $\pm$ 0.004 χ^2 /NDF: 30836.8/32

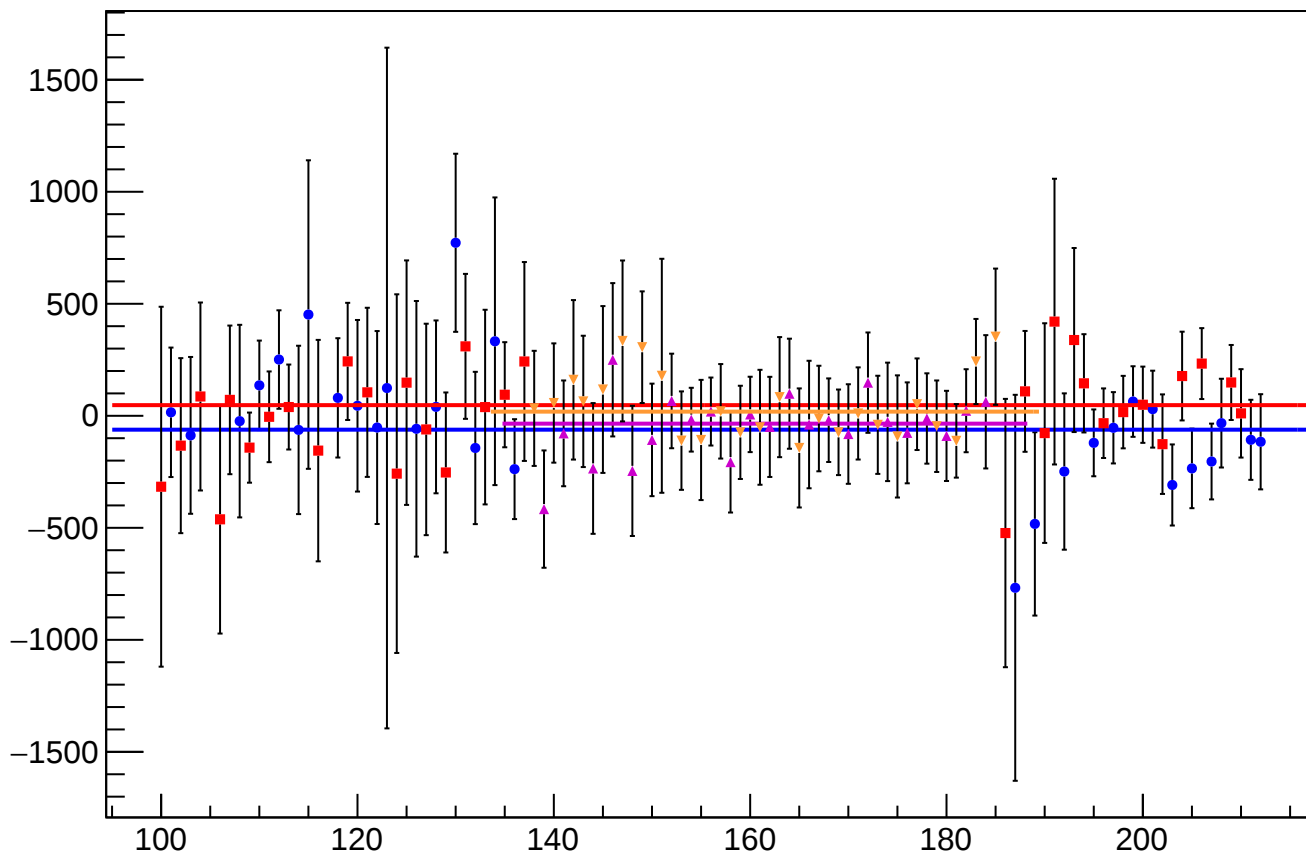
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.516 $\pm$ 0.003 χ^2 /NDF: 45466.4/54

All: 22.514 $\pm$ 0.002 χ^2 /NDF: 95153.9/110

- sign 22.511 $\pm$ 0.003 χ^2 /NDF: 49685.9/55

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -61.931 ± 44.501 χ^2/NDF : 16.3/29

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 47.591 ± 44.196 χ^2/NDF : 10.7/32

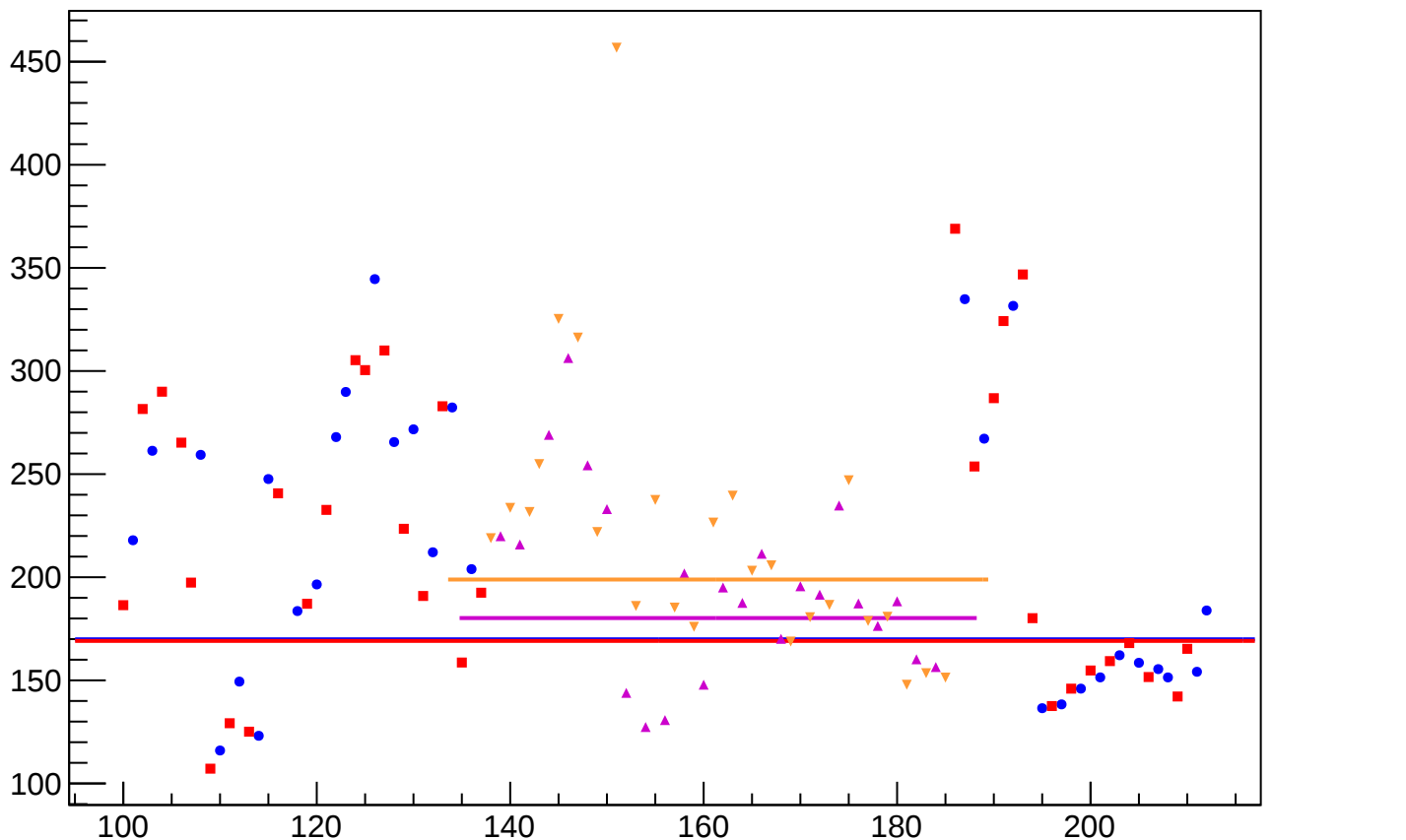
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign -24.698 ± 32.636 χ^2/NDF : 25.4/54

All: -8.276 ± 22.685 χ^2/NDF : 44.7/110

- sign 7.075 ± 31.553 χ^2/NDF : 18.7/55

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 169.901 $\pm$ 0.031 χ^2/NDF : 2141646.4/29

Left Out: 198.891 $\pm$ 0.034 χ^2/NDF : 1762454.6/24

Right Out: 169.131 $\pm$ 0.031 χ^2/NDF : 2830648.4/32

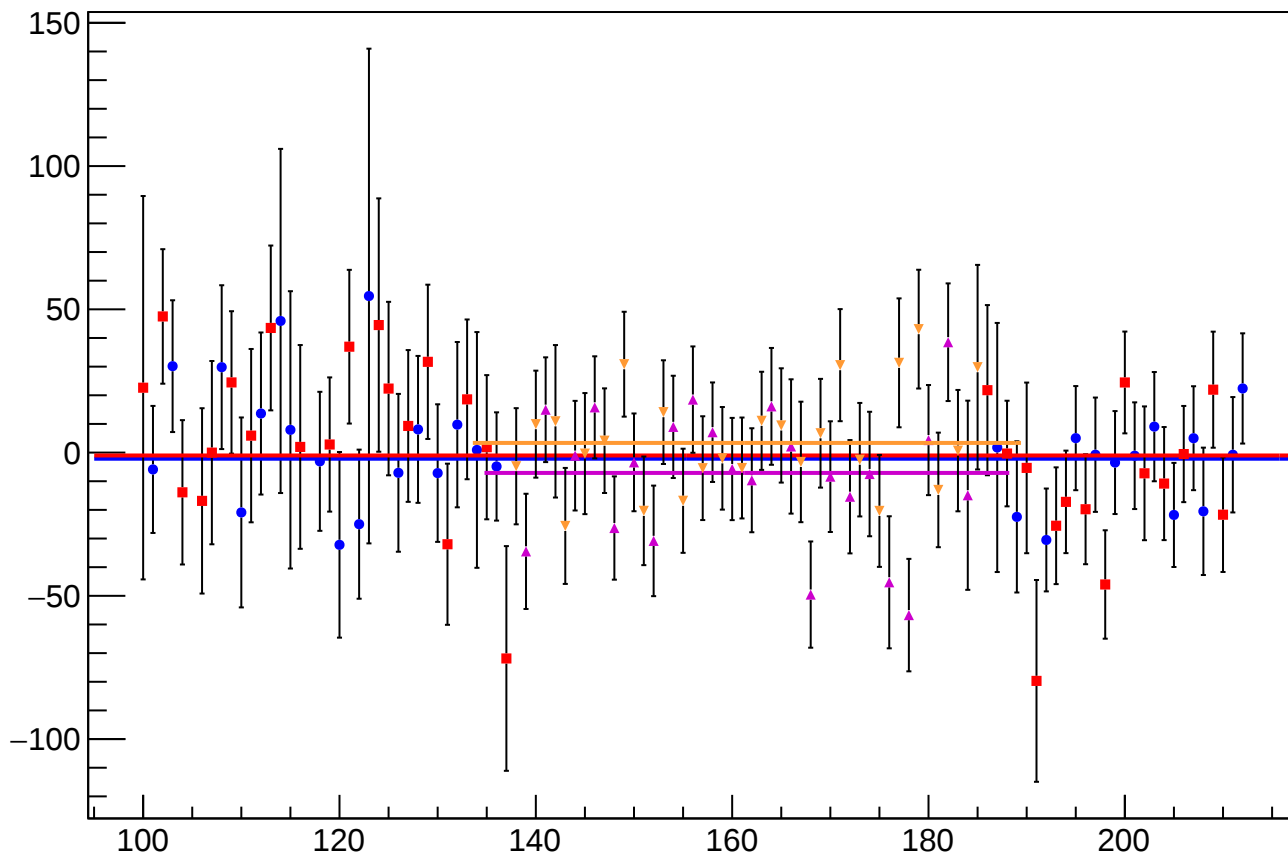
Left In: 180.207 $\pm$ 0.032 χ^2/NDF : 1589005.4/22

+ sign 183.299 $\pm$ 0.023 χ^2/NDF : 4296370.9/54

All: 178.783 $\pm$ 0.016 χ^2/NDF : 8851709.4/110

- sign 174.561 $\pm$ 0.022 χ^2/NDF : 4481244.5/55

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.139 ± 4.302 χ^2/NDF : 14.3/29

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -1.012 ± 4.235 χ^2/NDF : 37.9/32

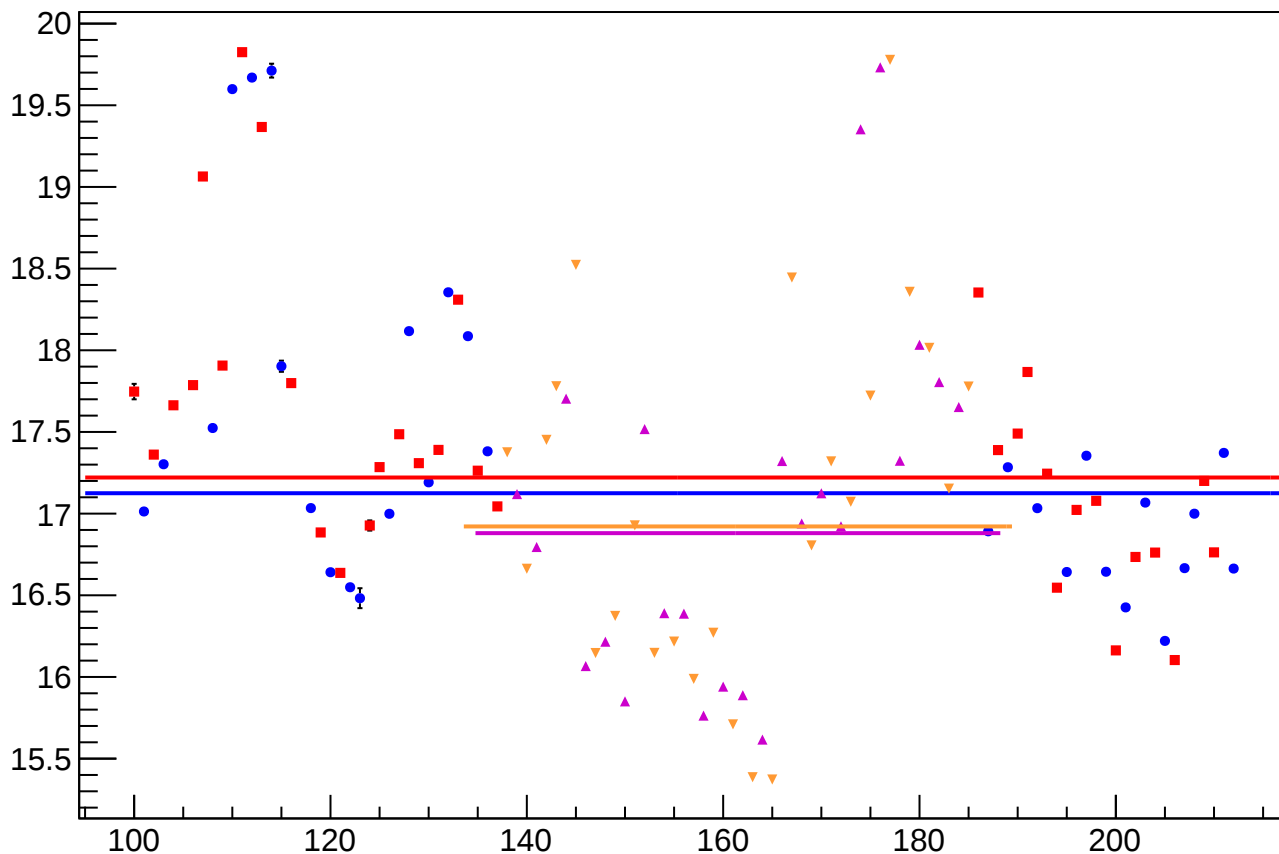
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 0.853 ± 2.908 χ^2/NDF : 34.0/54

All: -1.655 ± 2.063 χ^2/NDF : 107.0/110

- sign -4.193 ± 2.926 χ^2/NDF : 71.5/55

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.125 $\pm$ 0.003 χ^2 /NDF: 55696.8/29

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.221 $\pm$ 0.003 χ^2 /NDF: 66958.1/32

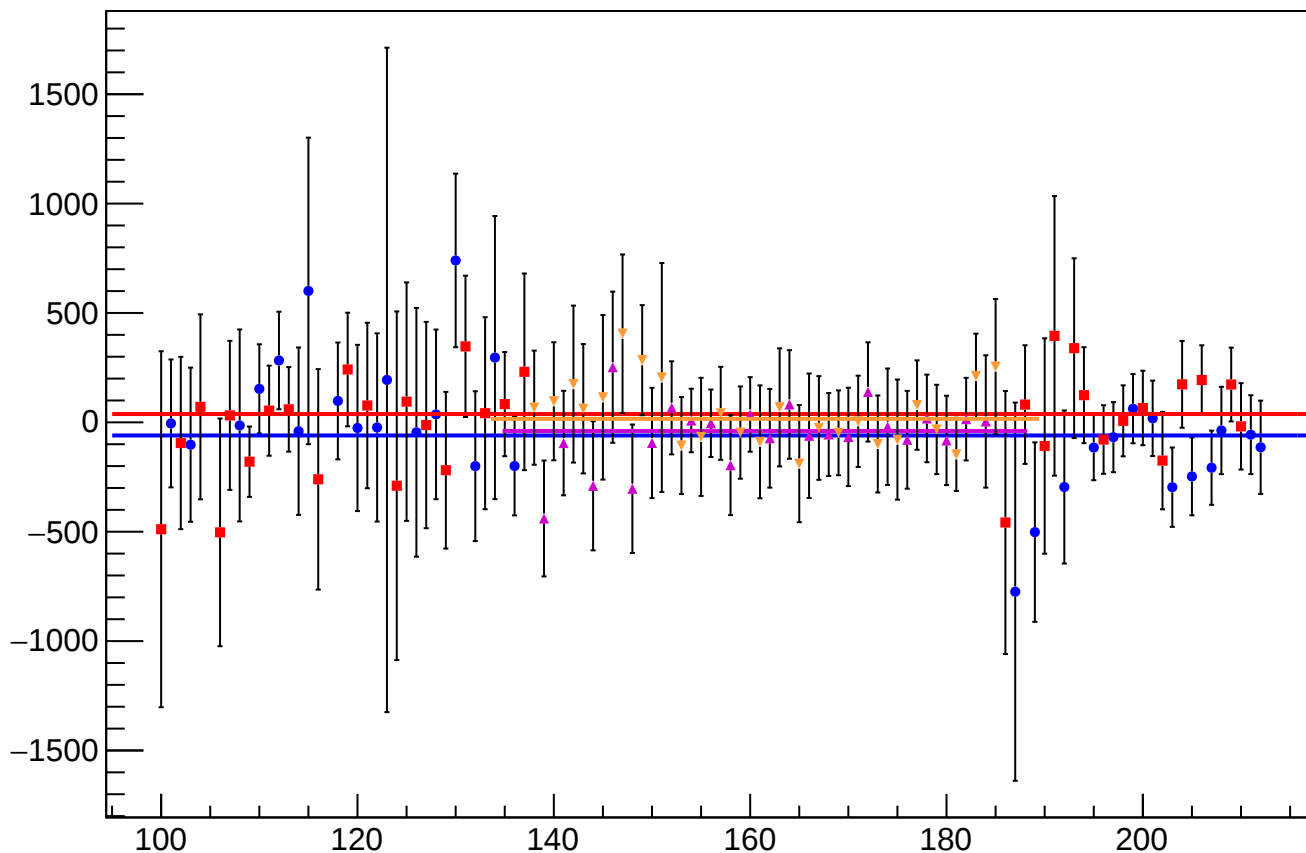
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 17.014 $\pm$ 0.002 χ^2 /NDF: 197115.5/54

All: 17.029 $\pm$ 0.001 χ^2 /NDF: 392669.6/110

- sign 17.043 $\pm$ 0.002 χ^2 /NDF: 195457.8/55

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -60.020 ± 44.761 χ^2/NDF : 16.7/29

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 38.003 ± 44.533 χ^2/NDF : 11.8/32

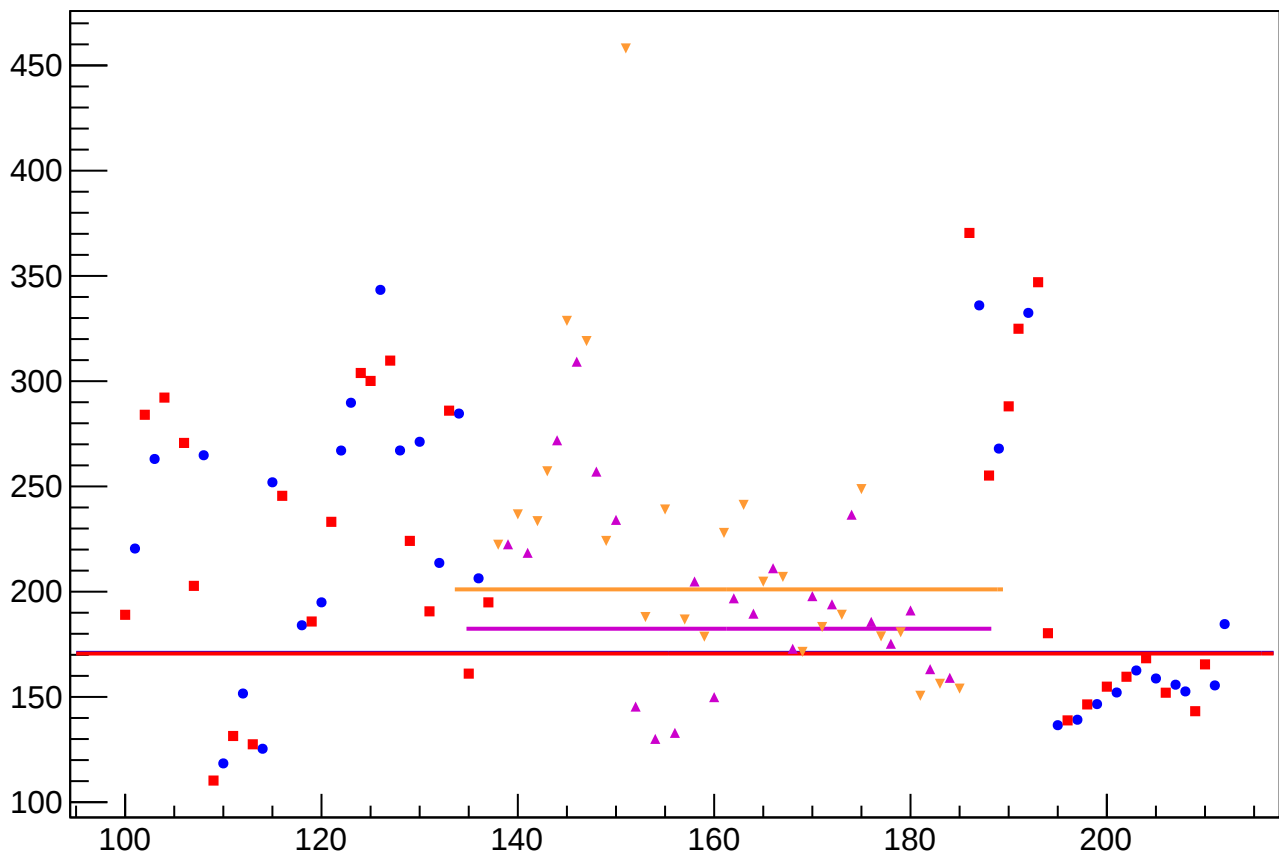
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -25.069 ± 32.894 χ^2/NDF : 25.4/54

All: -12.025 ± 22.882 χ^2/NDF : 45.8/110

- sign 0.204 ± 31.850 χ^2/NDF : 20.1/55

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 170.939 $\pm$ 0.032 χ^2/NDF : 2126644.2/29

Left Out: 201.091 $\pm$ 0.034 χ^2/NDF : 1731069.1/24

Right Out: 170.619 $\pm$ 0.031 χ^2/NDF : 2774817.7/32

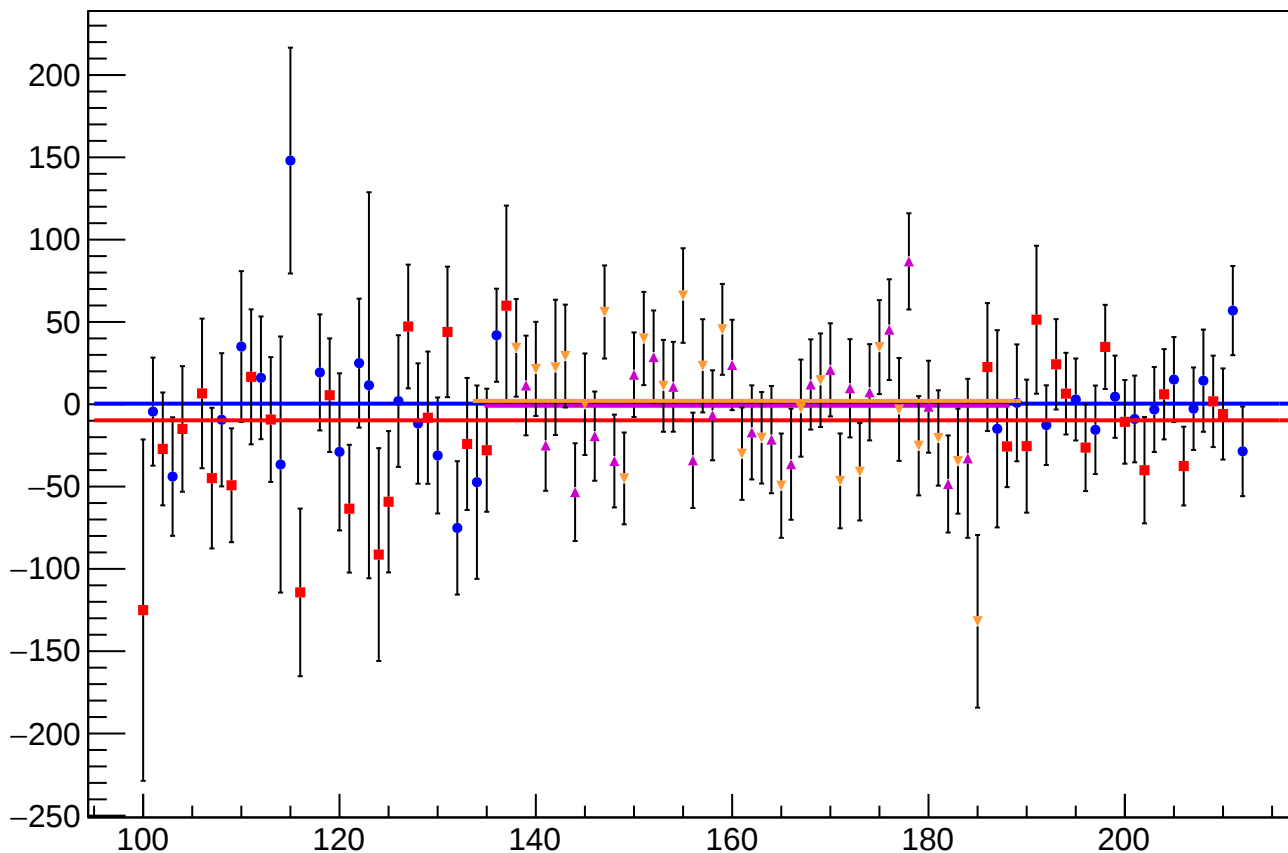
Left In: 182.396 $\pm$ 0.032 χ^2/NDF : 1548907.7/22

+ sign 184.807 $\pm$ 0.023 χ^2/NDF : 4275133.5/54

All: 180.454 $\pm$ 0.016 χ^2/NDF : 8735058.1/110

- sign 176.372 $\pm$ 0.023 χ^2/NDF : 4392049.2/55

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.379 ± 6.047 $\chi^2/\text{NDF}: 22.4/29$

Left Out: 2.054 ± 5.970 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -9.764 ± 5.919 $\chi^2/\text{NDF}: 30.4/32$

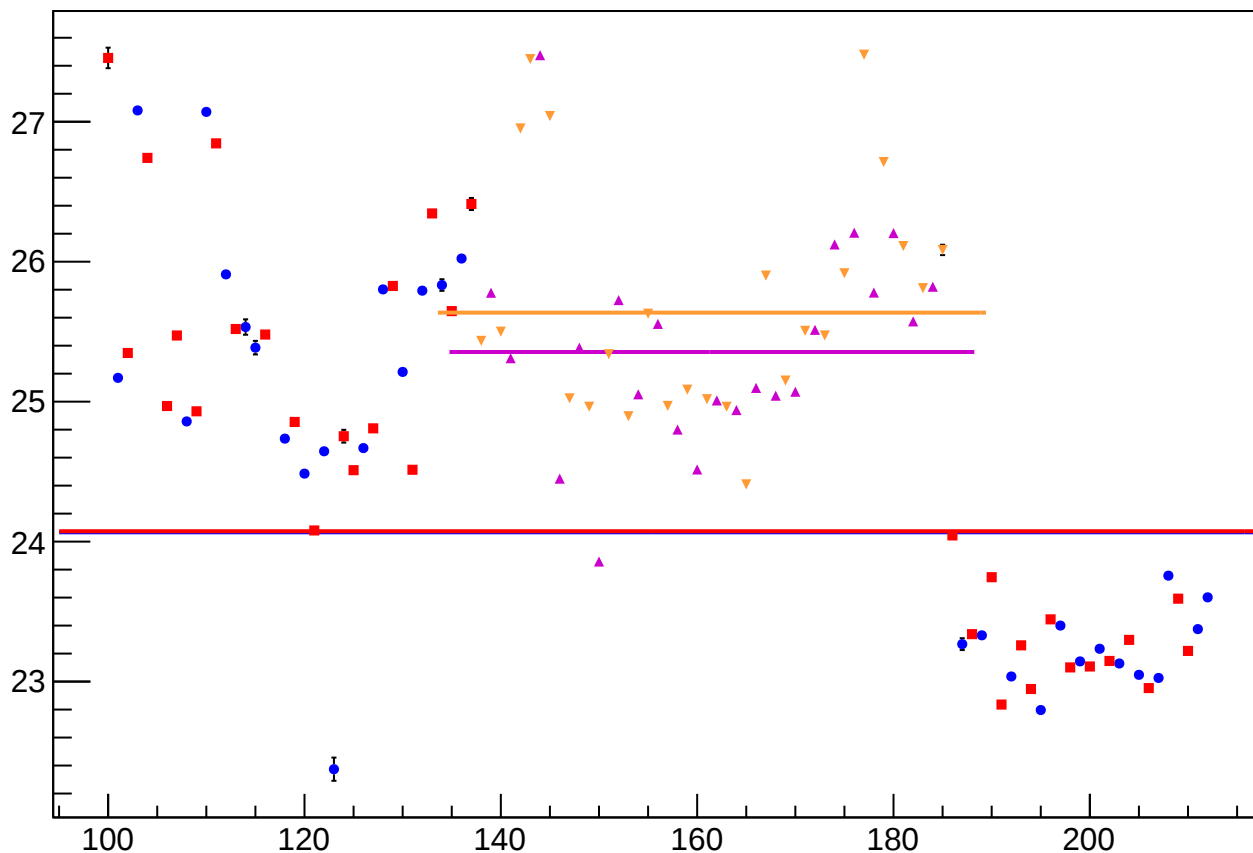
Left In: -0.900 ± 6.069 $\chi^2/\text{NDF}: 27.1/22$

+ sign 1.227 ± 4.248 $\chi^2/\text{NDF}: 61.9/54$

All: -2.117 ± 3.000 $\chi^2/\text{NDF}: 121.6/110$

- sign -5.444 ± 4.238 $\chi^2/\text{NDF}: 58.5/55$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.067 $\pm$ 0.004 χ^2 /NDF: 83081.8/29

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.074 $\pm$ 0.004 χ^2 /NDF: 77960.9/32

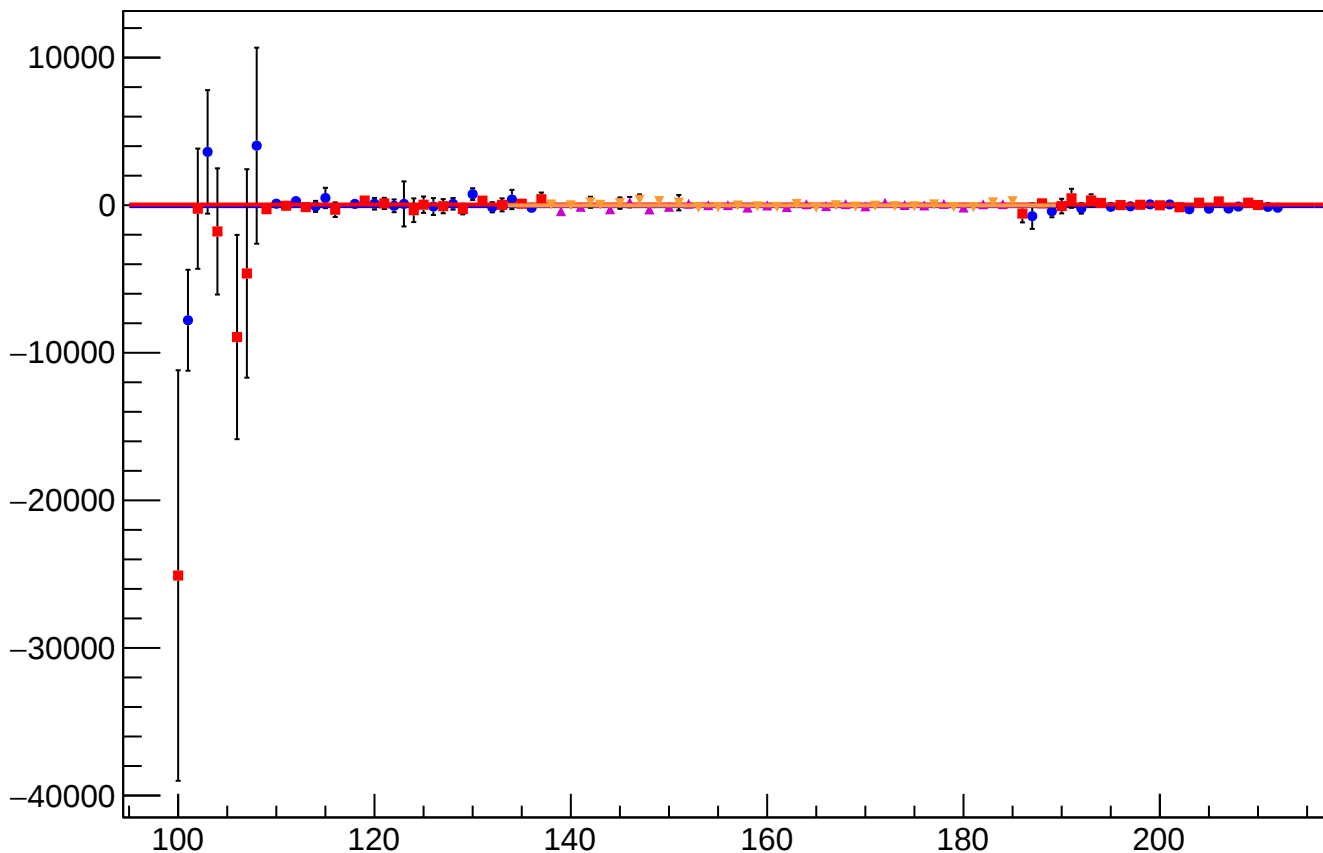
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 24.861 $\pm$ 0.003 χ^2 /NDF: 186442.6/54

All: 24.780 $\pm$ 0.002 χ^2 /NDF: 341277.1/110

- sign 24.698 $\pm$ 0.003 χ^2 /NDF: 153359.0/55

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -64.917 ± 46.763 χ^2/NDF : 21.5/29

Left Out: -12.820 ± 48.216 χ^2/NDF : 7.9/24

Right Out: 46.586 ± 47.296 χ^2/NDF : 18.3/32

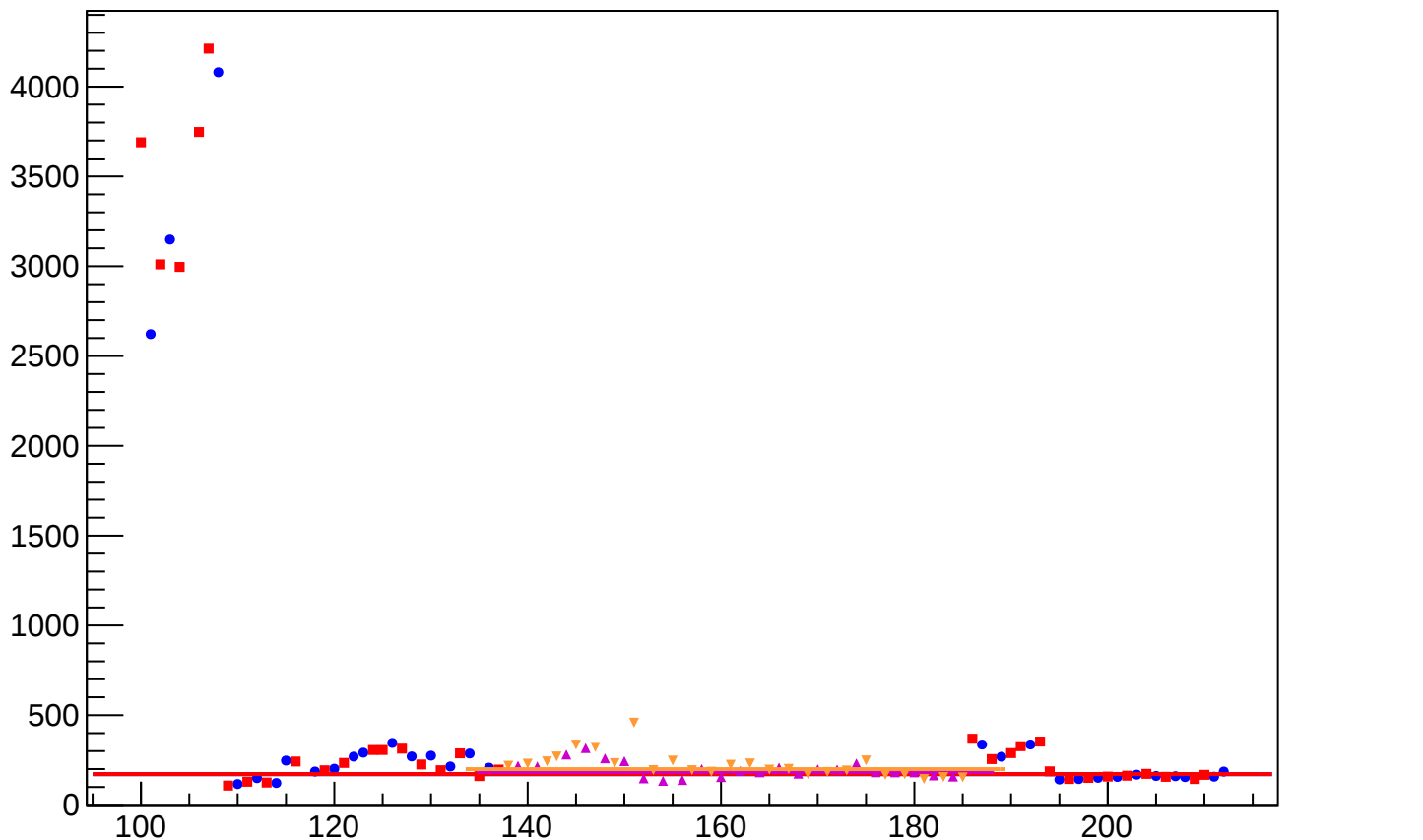
Left In: -26.836 ± 45.876 χ^2/NDF : 7.5/22

+ sign -39.666 ± 33.568 χ^2/NDF : 29.9/54

All: -14.990 ± 23.507 χ^2/NDF : 58.0/110

- sign 8.756 ± 32.930 χ^2/NDF : 27.0/55

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.368 $\pm$ 0.033 χ^2 /NDF: 4521279.7/29

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF: 1880548.8/24

Right Out: 172.068 $\pm$ 0.033 χ^2 /NDF: 5393912.0/32

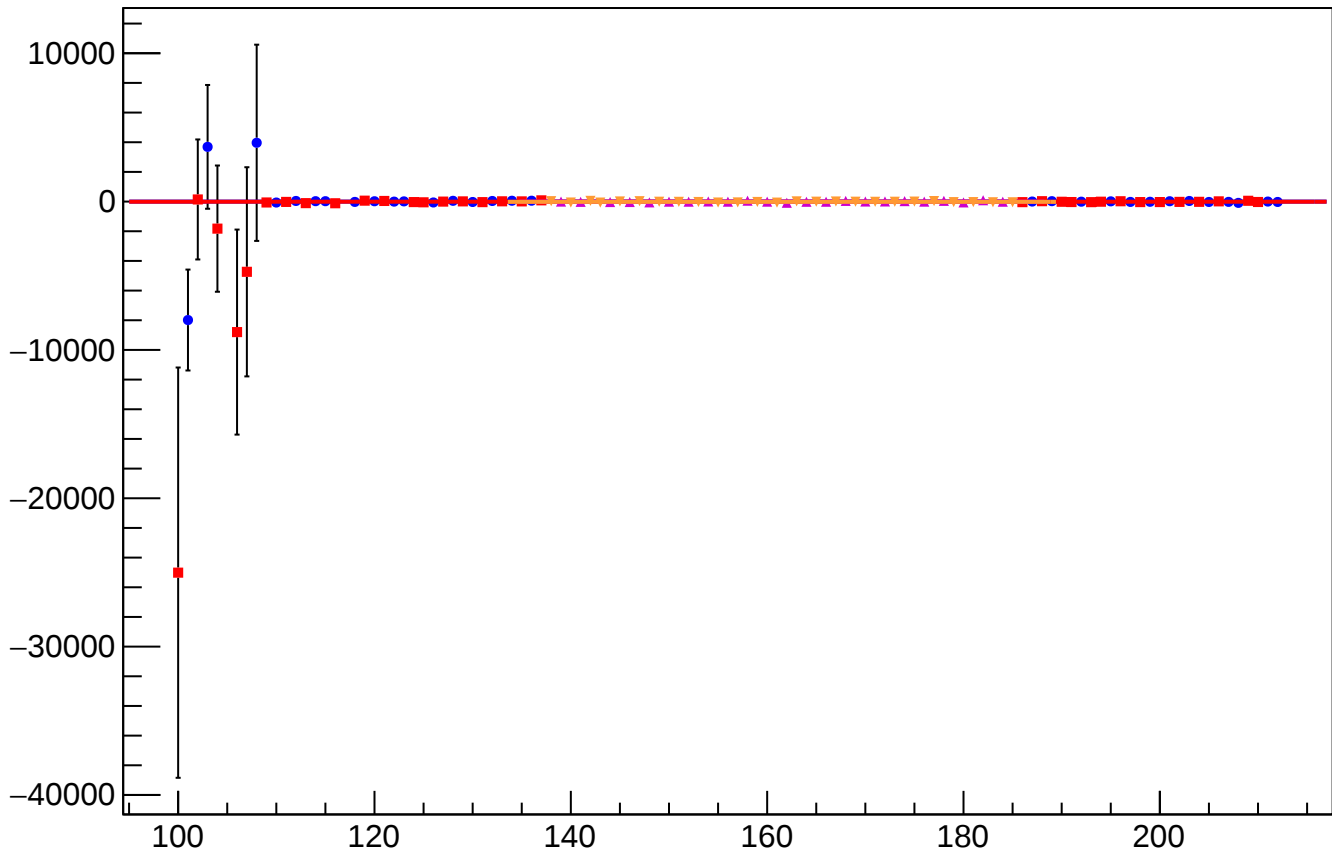
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF: 1423454.3/22

+ sign 185.021 $\pm$ 0.024 χ^2 /NDF: 6753555.3/54

All: 181.561 $\pm$ 0.017 χ^2 /NDF: 13678537.7/136

- sign 178.232 $\pm$ 0.023 χ^2 /NDF: 6883298.7/55

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.892 ± 7.243 χ^2/NDF : 31.2/29

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -8.431 ± 7.199 χ^2/NDF : 34.7/32

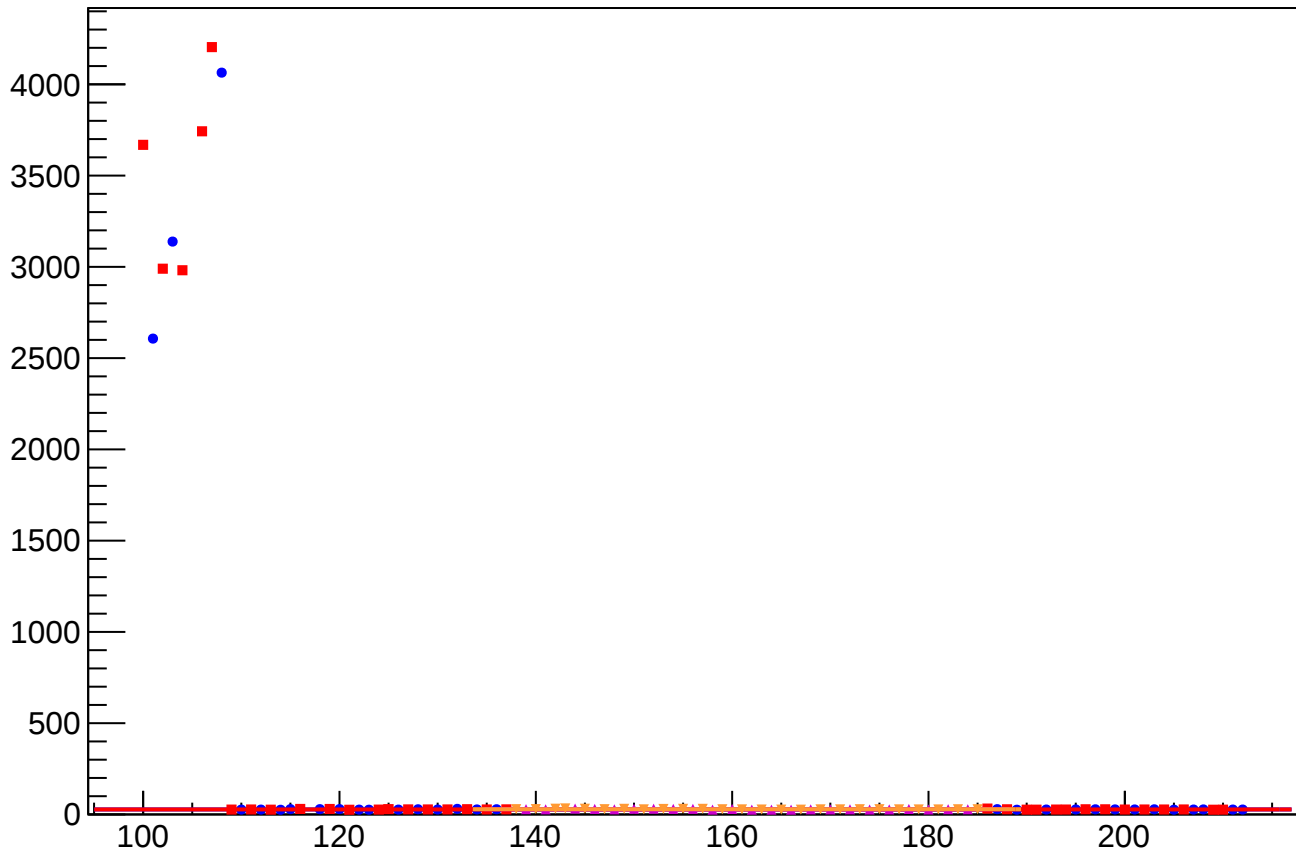
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -9.893 ± 4.916 χ^2/NDF : 56.4/54

All: -7.261 ± 3.496 χ^2/NDF : 124.6/110

- sign -4.567 ± 4.974 χ^2/NDF : 67.7/55

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.442 $\pm$ 0.005 χ^2 /NDF: 3042512.2/29

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.428 $\pm$ 0.005 χ^2 /NDF: 3512227.9/32

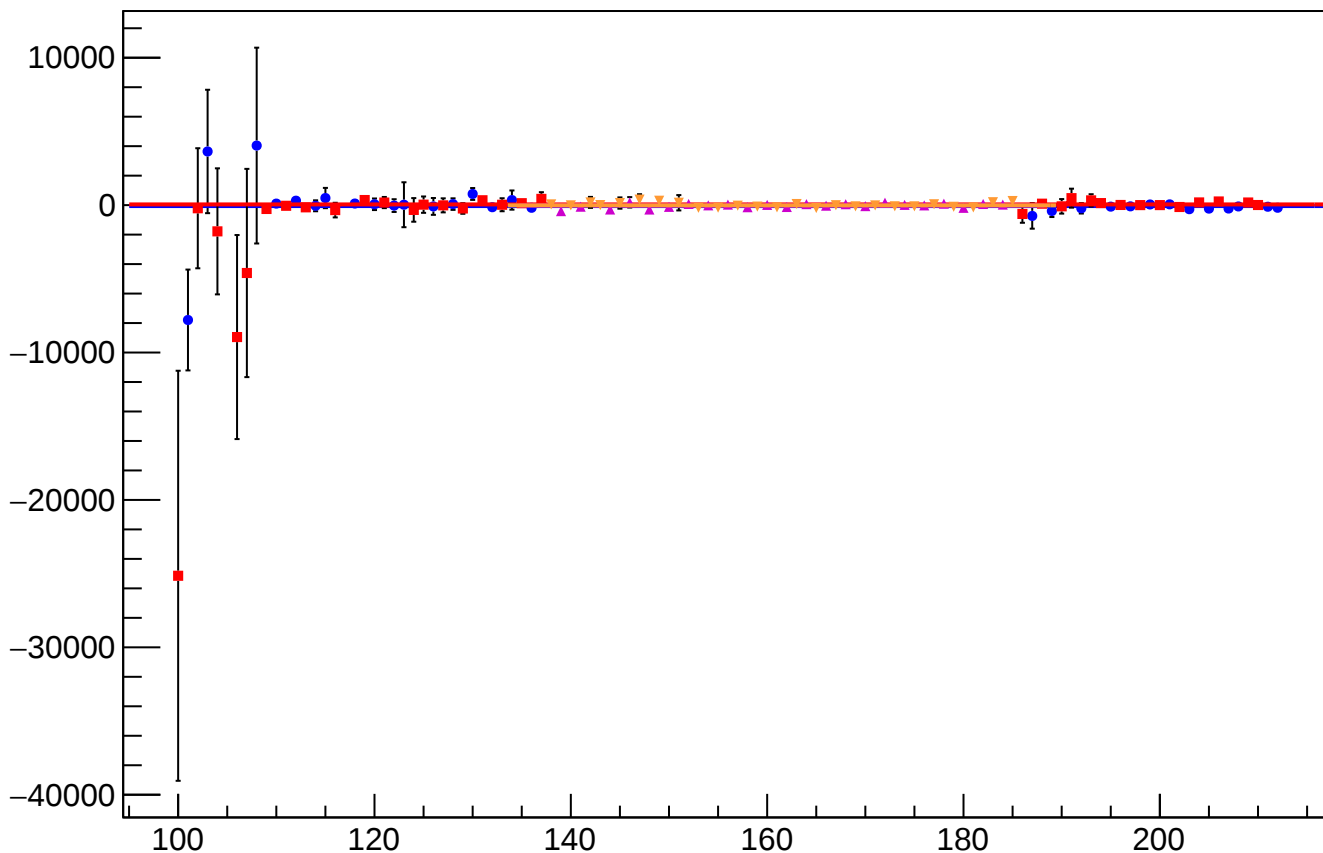
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.115 $\pm$ 0.003 χ^2 /NDF: 3185077.8/54

All: 28.097 $\pm$ 0.002 χ^2 /NDF: 6853379.1/110

- sign 28.078 $\pm$ 0.004 χ^2 /NDF: 3668245.1/55

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -63.158 $\pm$ 46.620 χ^2 /NDF: 21.8/29

Left Out: -15.483 $\pm$ 48.109 χ^2 /NDF:8.7/24

Right Out: 48.381 $\pm$ 47.158 χ^2 /NDF: 19.0/32

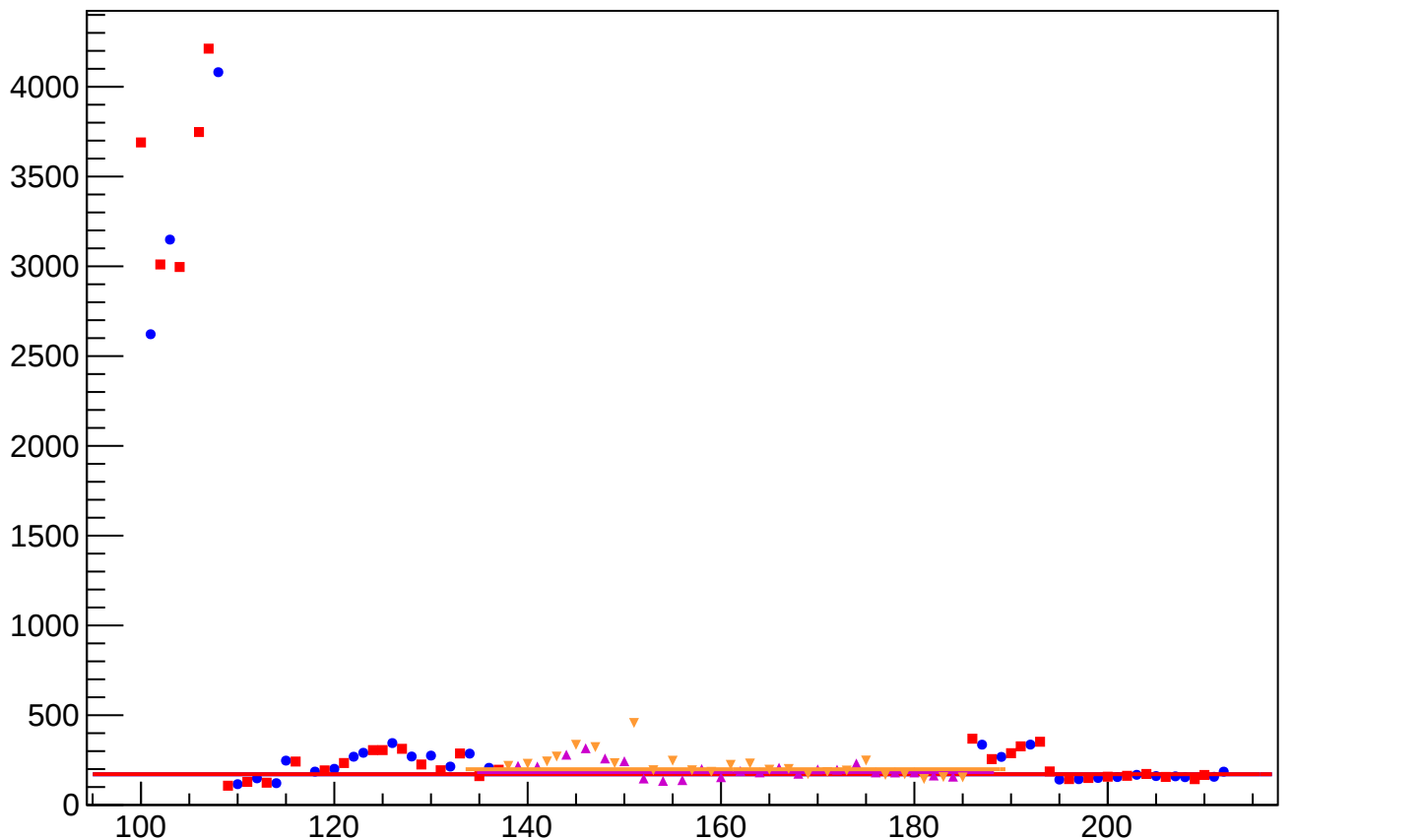
Left In: -27.009 $\pm$ 45.785 χ^2 /NDF:7.8/22

+ sign -40.070 $\pm$ 33.479 χ^2 /NDF: 31.0/54

All: -14.778 $\pm$ 23.448 χ^2 /NDF: 60.2/110

- sign 9.572 $\pm$ 32.849 χ^2 /NDF: 28.1/55

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.804 $\pm$ 0.033 χ^2 /NDF: 4534684.2/29

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 171.512 $\pm$ 0.033 χ^2 /NDF: 5411560.7/32

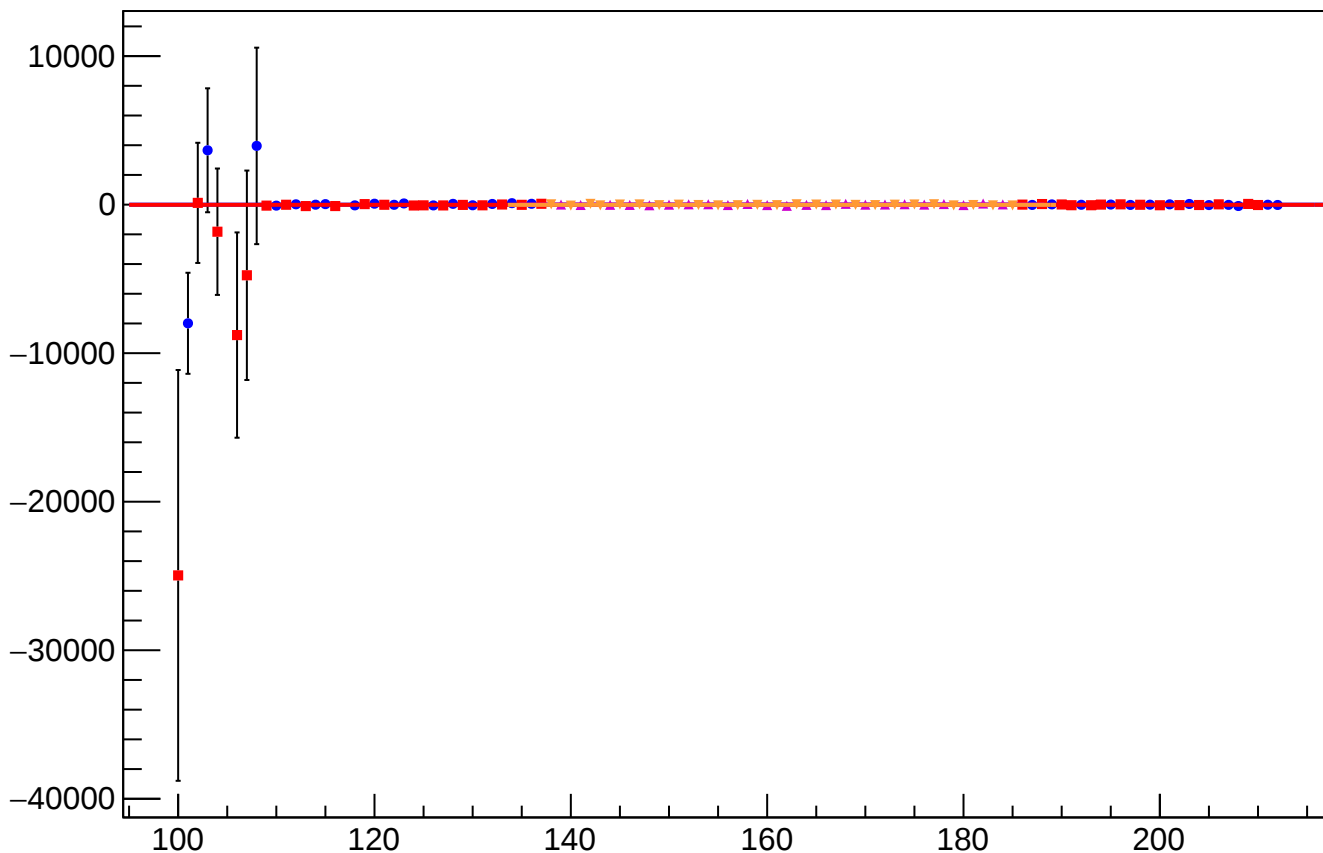
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 184.504 $\pm$ 0.024 χ^2 /NDF: 6771690.0/54

All: 181.073 $\pm$ 0.017 χ^2 /NDF: 13715787.1/11

- sign 177.769 $\pm$ 0.023 χ^2 /NDF: 6902858.6/55

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.184 ± 7.210 χ^2/NDF : 34.9/29

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -11.413 ± 7.180 χ^2/NDF : 30.6/32

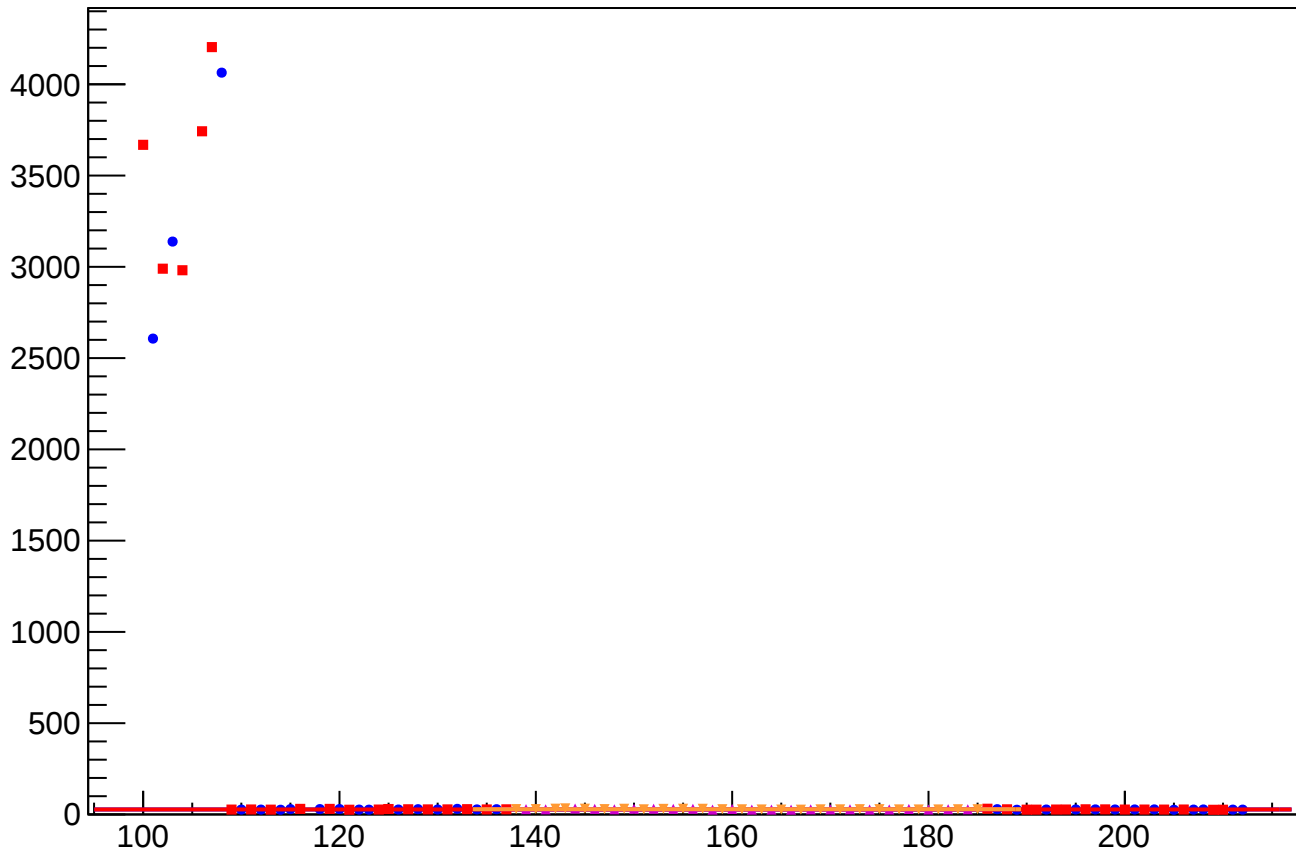
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -9.508 ± 4.917 χ^2/NDF : 53.8/54

All: -7.342 ± 3.498 χ^2/NDF : 112.6/110

- sign -5.122 ± 4.979 χ^2/NDF : 58.4/55

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.311 $\pm$ 0.005 χ^2 /NDF: 3050761.7/29

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.353 $\pm$ 0.005 χ^2 /NDF: 3516795.4/32

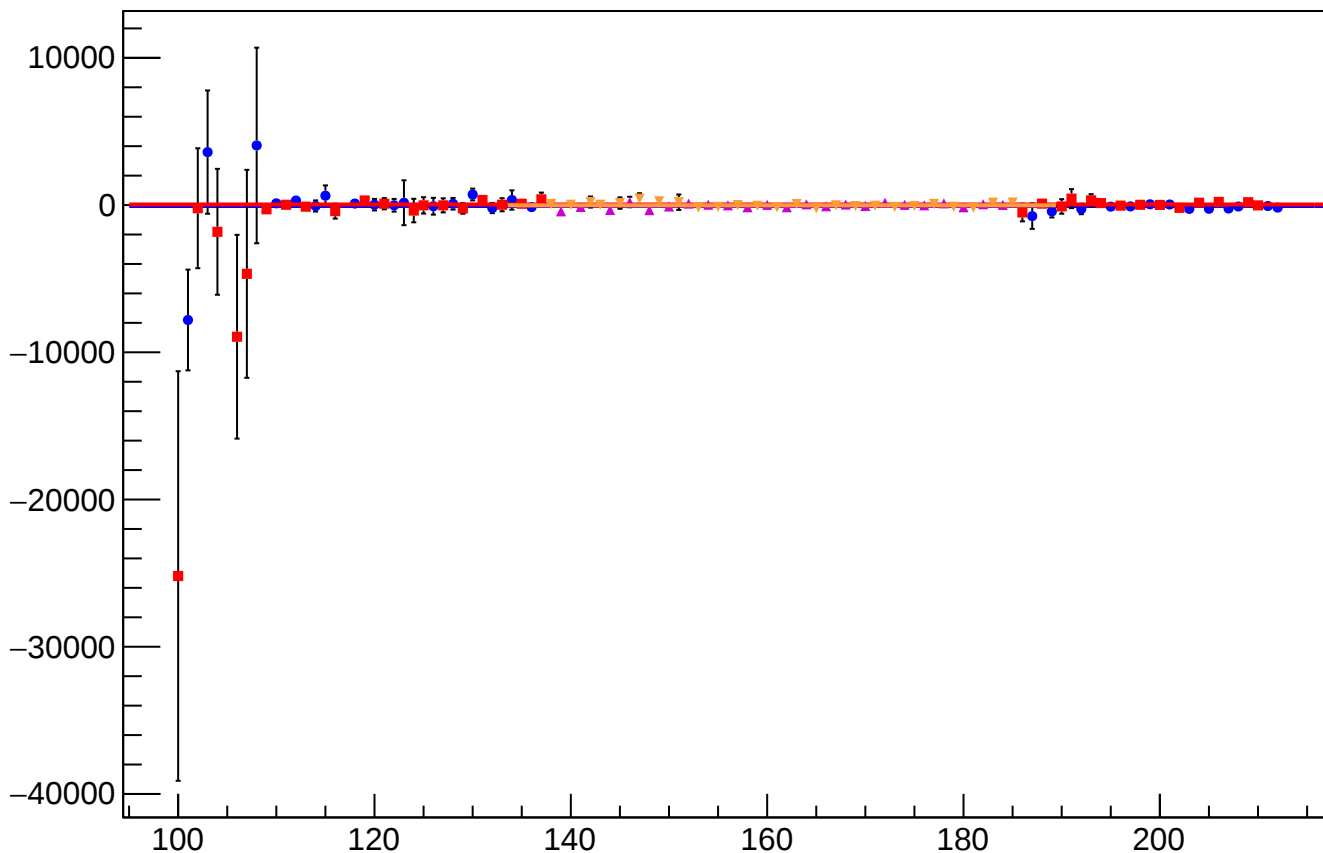
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.114 $\pm$ 0.003 χ^2 /NDF: 3219147.9/54

All: 28.107 $\pm$ 0.002 χ^2 /NDF: 6907072.5/110

- sign 28.100 $\pm$ 0.004 χ^2 /NDF: 3687916.8/55

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -61.971 $\pm$ 46.944 χ^2 /NDF: 21.9/29

Left Out: -15.548 $\pm$ 48.688 χ^2 /NDF: 8.0/24

Right Out: 40.261 $\pm$ 47.506 χ^2 /NDF: 18.3/32

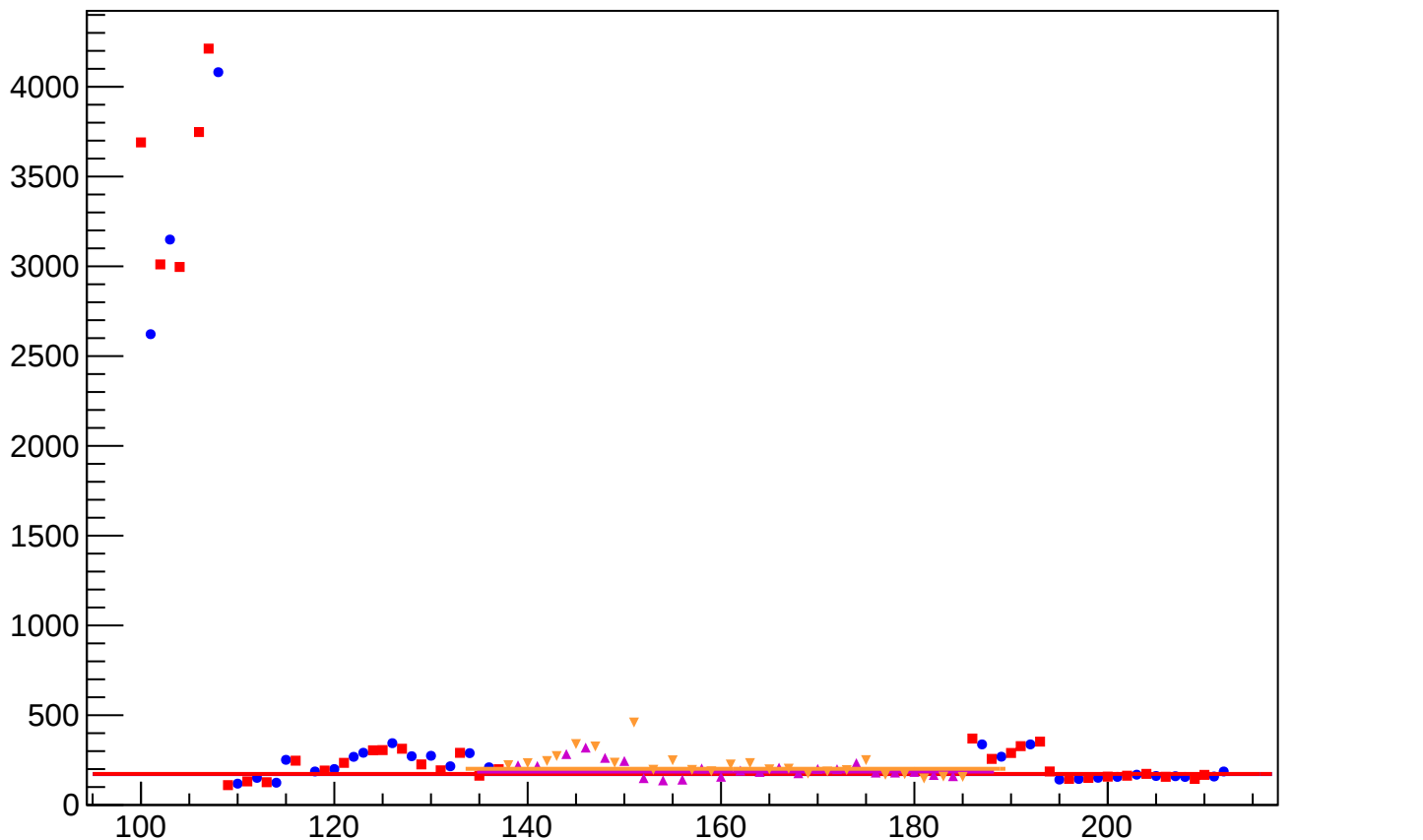
Left In: -31.170 $\pm$ 46.359 χ^2 /NDF: 8.2/22

+ sign -39.606 $\pm$ 33.794 χ^2 /NDF: 30.4/54

All: -17.569 $\pm$ 23.676 χ^2 /NDF: 58.9/110

- sign 3.673 $\pm$ 33.179 χ^2 /NDF: 27.6/55

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 172.087 $\pm$ 0.033 χ^2 /NDF: 4502488.4/29

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF:1857453.2/24

Right Out: 172.986 $\pm$ 0.034 χ^2 /NDF: 5352885.0/32

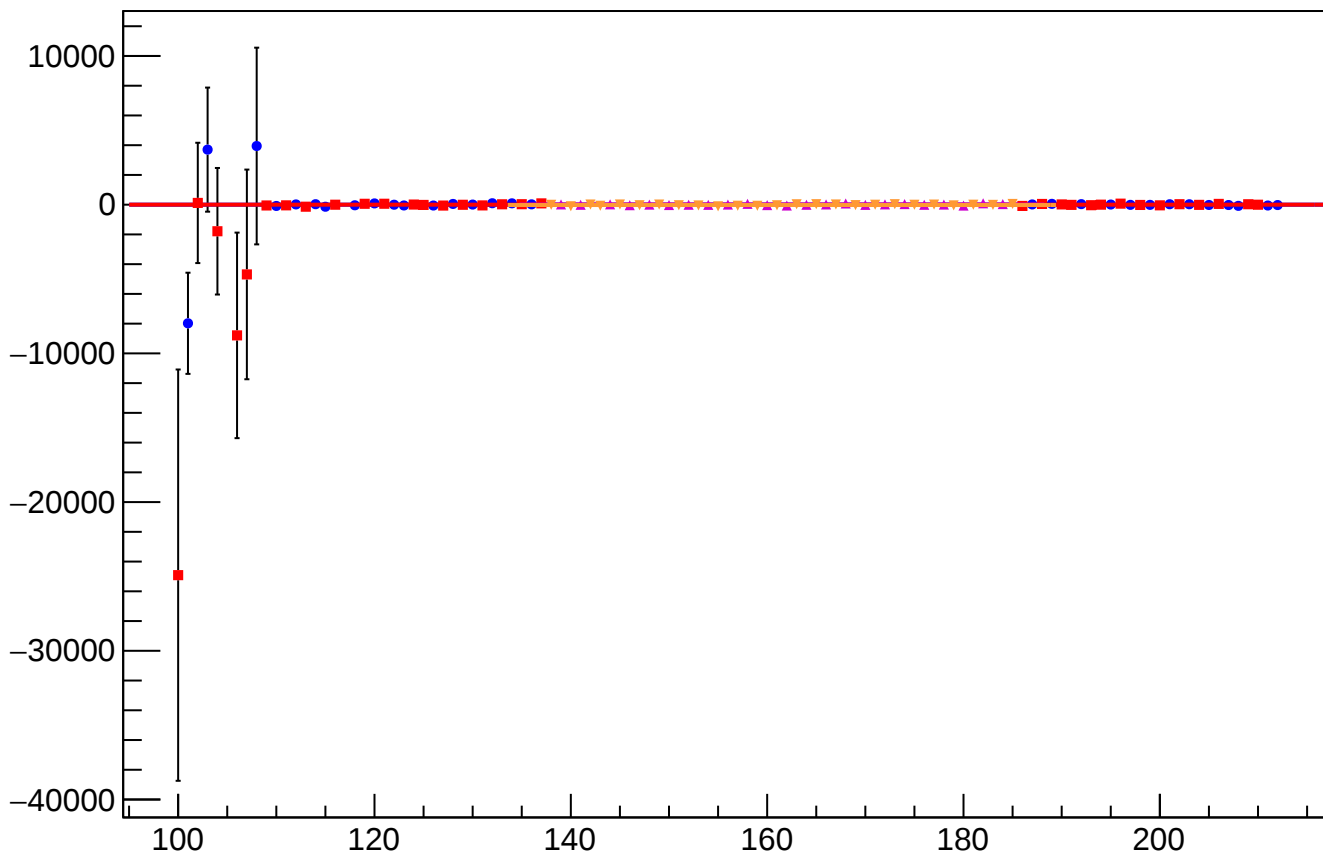
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 186.306 $\pm$ 0.024 χ^2 /NDF: 6740773.9/54

All: 182.945 $\pm$ 0.017 χ^2 /NDF: 13601971.5/11

- sign 179.707 $\pm$ 0.023 χ^2 /NDF: 6822366.0/55

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.295 ± 8.811 χ^2/NDF : 30.9/29

Left Out: -23.360 ± 8.064 χ^2/NDF : 25.8/24

Right Out: 0.897 ± 8.768 χ^2/NDF : 35.1/32

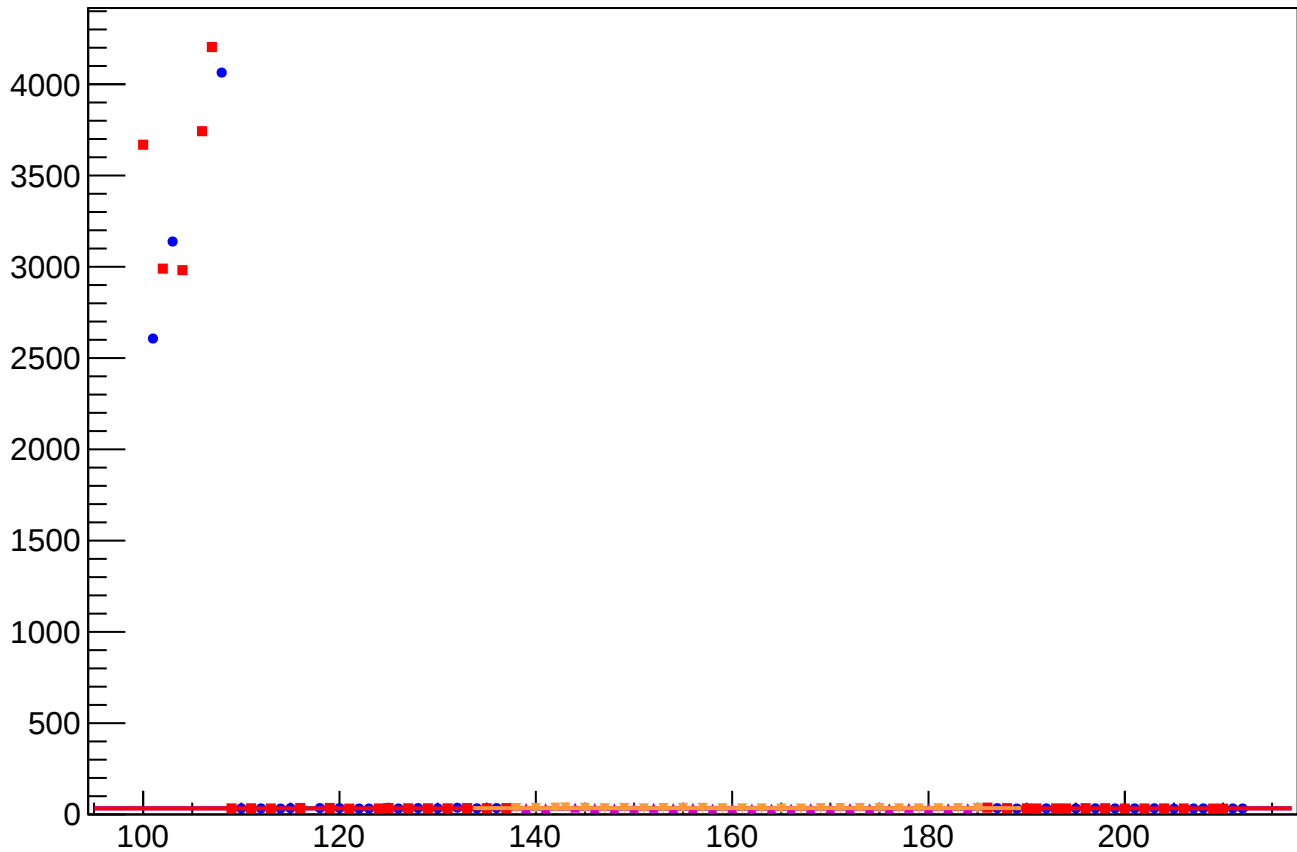
Left In: 6.001 ± 8.309 χ^2/NDF : 21.1/22

+ sign -13.302 ± 5.949 χ^2/NDF : 60.2/54

All: -4.973 ± 4.235 χ^2/NDF : 120.5/110

- sign 3.586 ± 6.031 χ^2/NDF : 56.4/55

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.398 $\pm$ 0.006 χ^2 /NDF: 3020517.2/29

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.450 $\pm$ 0.006 χ^2 /NDF: 3474057.1/32

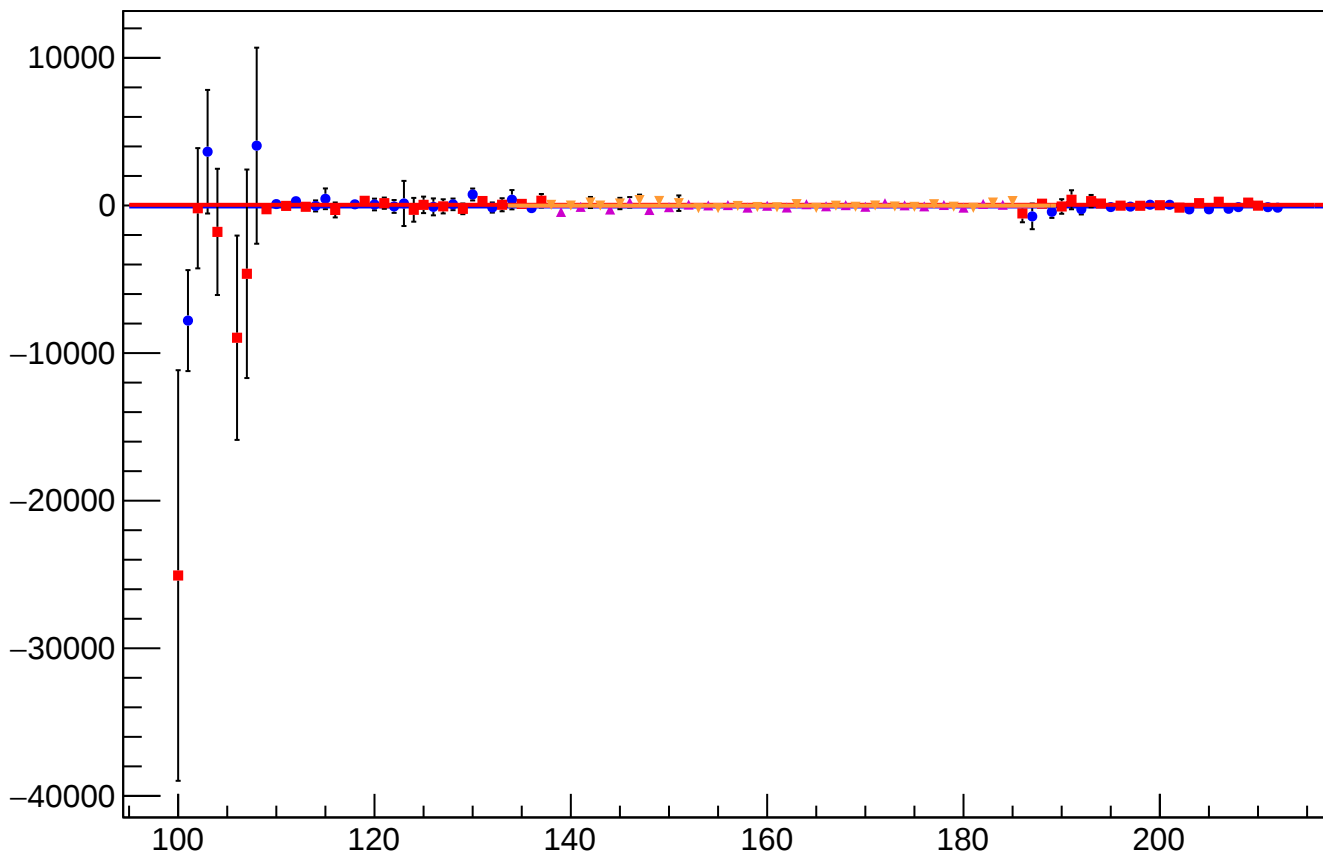
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.060 $\pm$ 0.004 χ^2 /NDF: 3099217.8/54

All: 34.080 $\pm$ 0.003 χ^2 /NDF: 6654540.8/110

- sign 34.101 $\pm$ 0.004 χ^2 /NDF: 3555276.0/55

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -67.239 $\pm$ 46.805 χ^2 /NDF: 21.5/29

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: 45.951 $\pm$ 47.329 χ^2 /NDF: 17.1/32

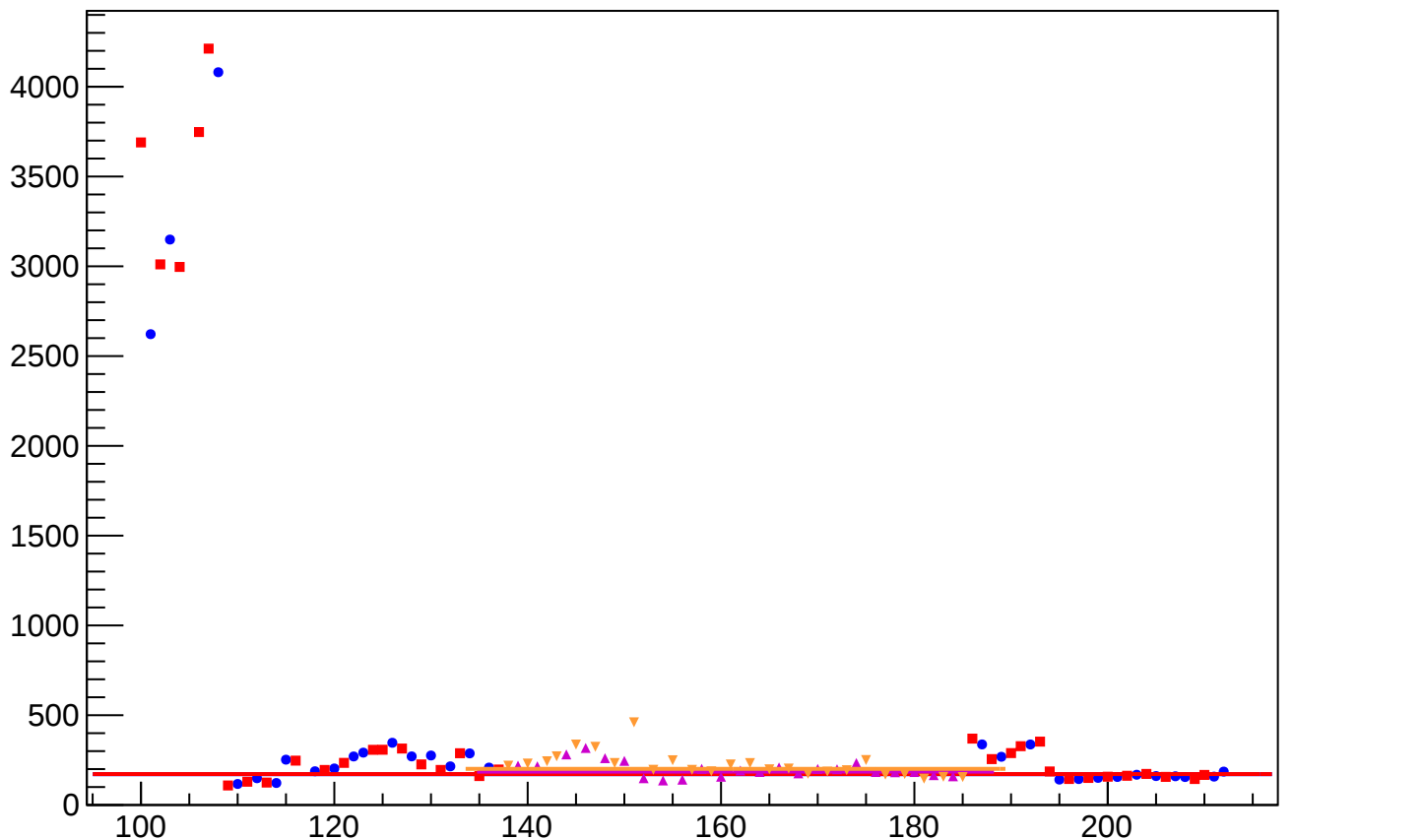
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign -39.184 $\pm$ 33.718 χ^2 /NDF: 30.9/54

All: -16.666 $\pm$ 23.619 χ^2 /NDF: 57.8/110

- sign 5.029 $\pm$ 33.095 χ^2 /NDF: 26.0/55

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 171.495 $\pm$ 0.033 χ^2 /NDF: 4531202.1/29

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF: 1851134.1/24

Right Out: 172.178 $\pm$ 0.033 χ^2 /NDF: 5400428.5/32

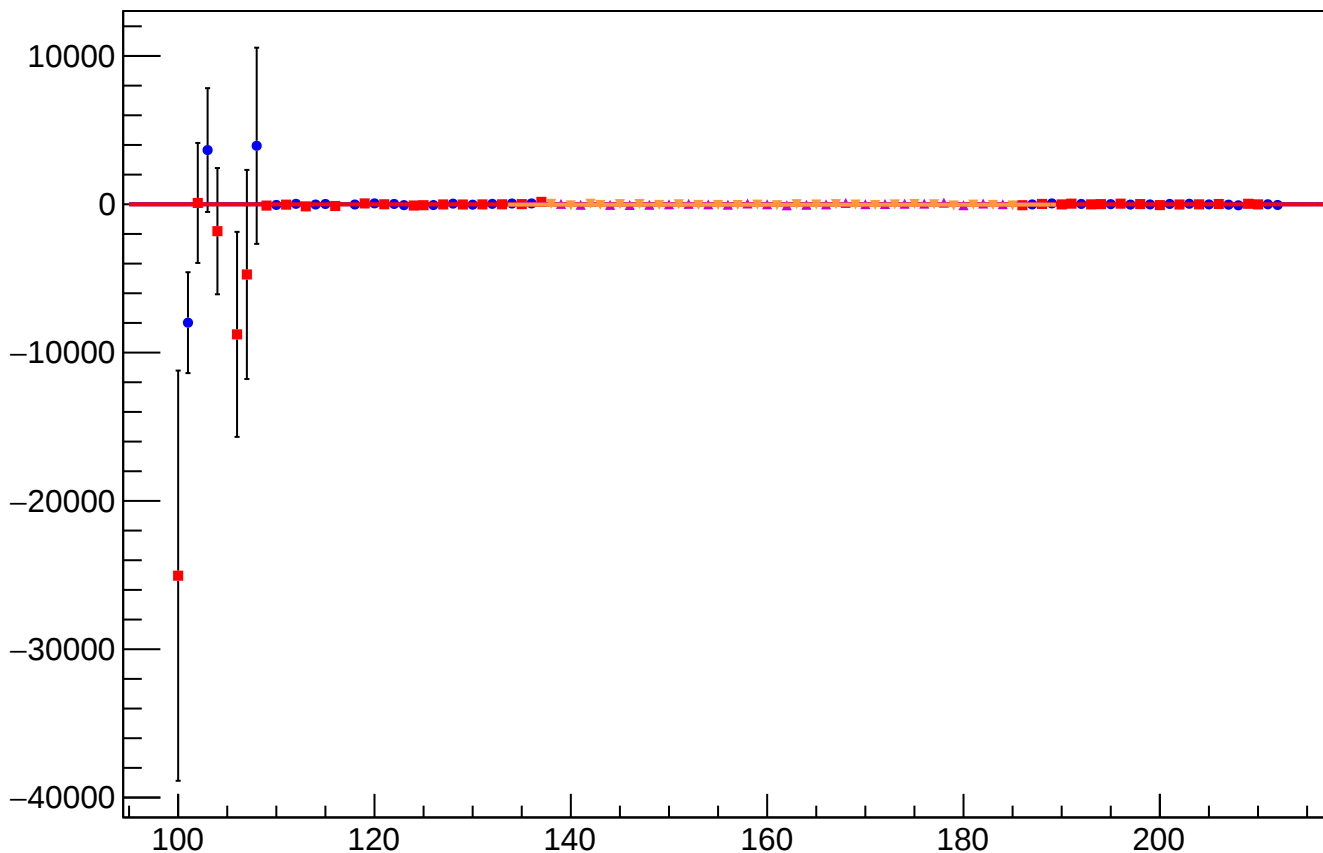
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF: 1381771.9/22

+ sign 185.831 $\pm$ 0.024 χ^2 /NDF: 6772366.6/54

All: 182.437 $\pm$ 0.017 χ^2 /NDF: 13679683.9/136

- sign 179.167 $\pm$ 0.023 χ^2 /NDF: 6867531.9/55

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.067 ± 7.976 χ^2/NDF : 25.2/29

Left Out: -22.879 ± 7.340 χ^2/NDF : 18.8/24

Right Out: -5.088 ± 7.937 χ^2/NDF : 38.7/32

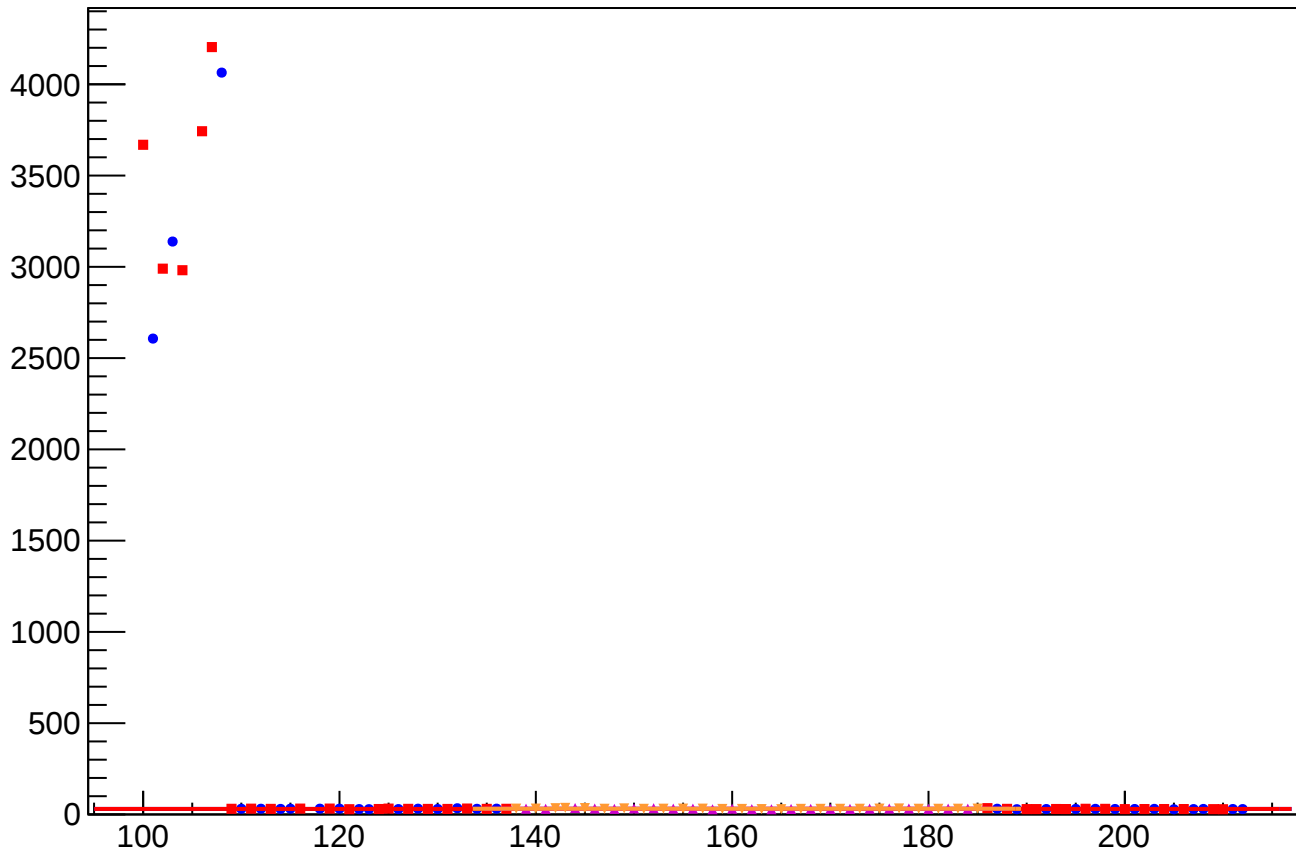
Left In: 5.943 ± 7.550 χ^2/NDF : 38.3/22

+ sign -11.439 ± 5.401 χ^2/NDF : 49.2/54

All: -5.445 ± 3.843 χ^2/NDF : 129.8/110

- sign 0.703 ± 5.470 χ^2/NDF : 78.0/55

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.221 $\pm$ 0.006 χ^2 /NDF: 3038307.8/29

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.256 $\pm$ 0.006 χ^2 /NDF: 3492081.6/32

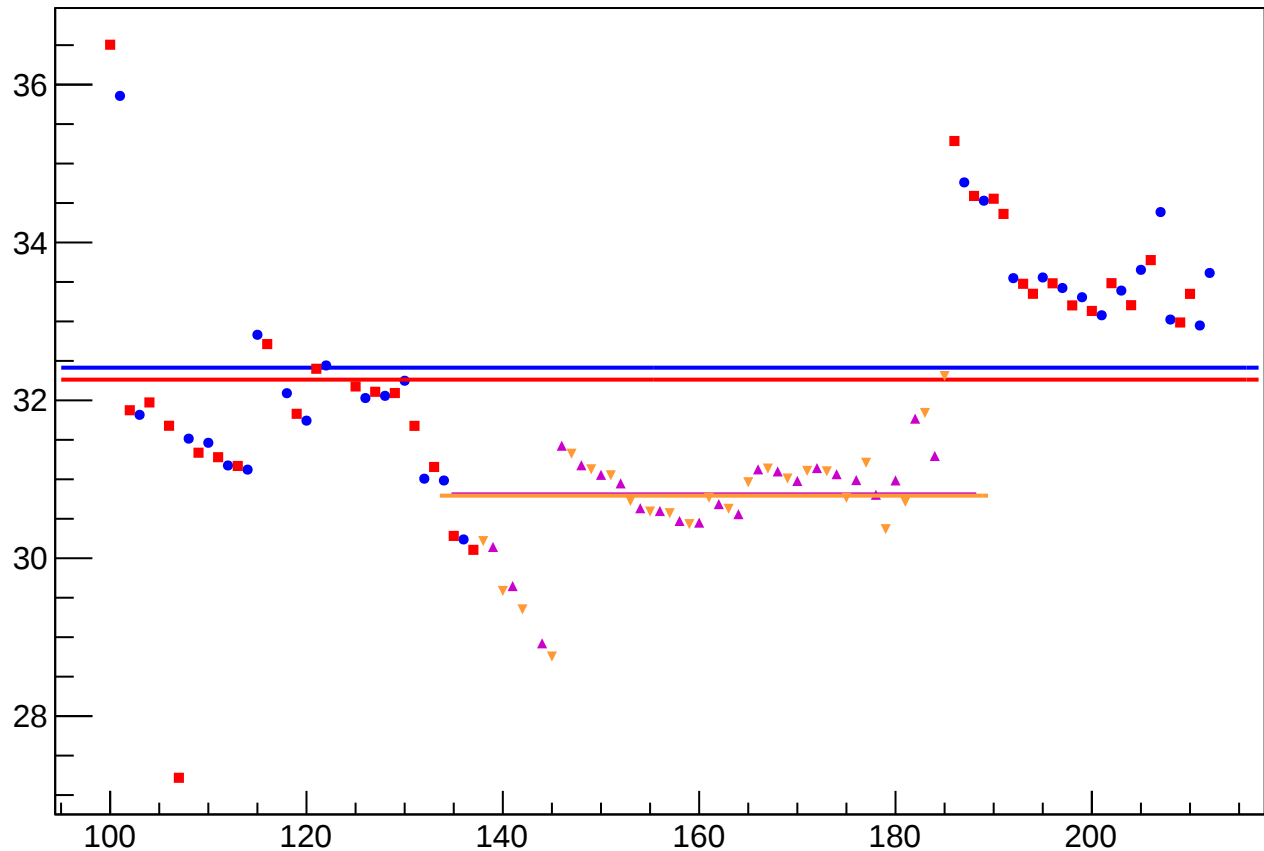
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 30.904 $\pm$ 0.004 χ^2 /NDF: 3147807.1/54

All: 30.902 $\pm$ 0.003 χ^2 /NDF: 6753039.0/110

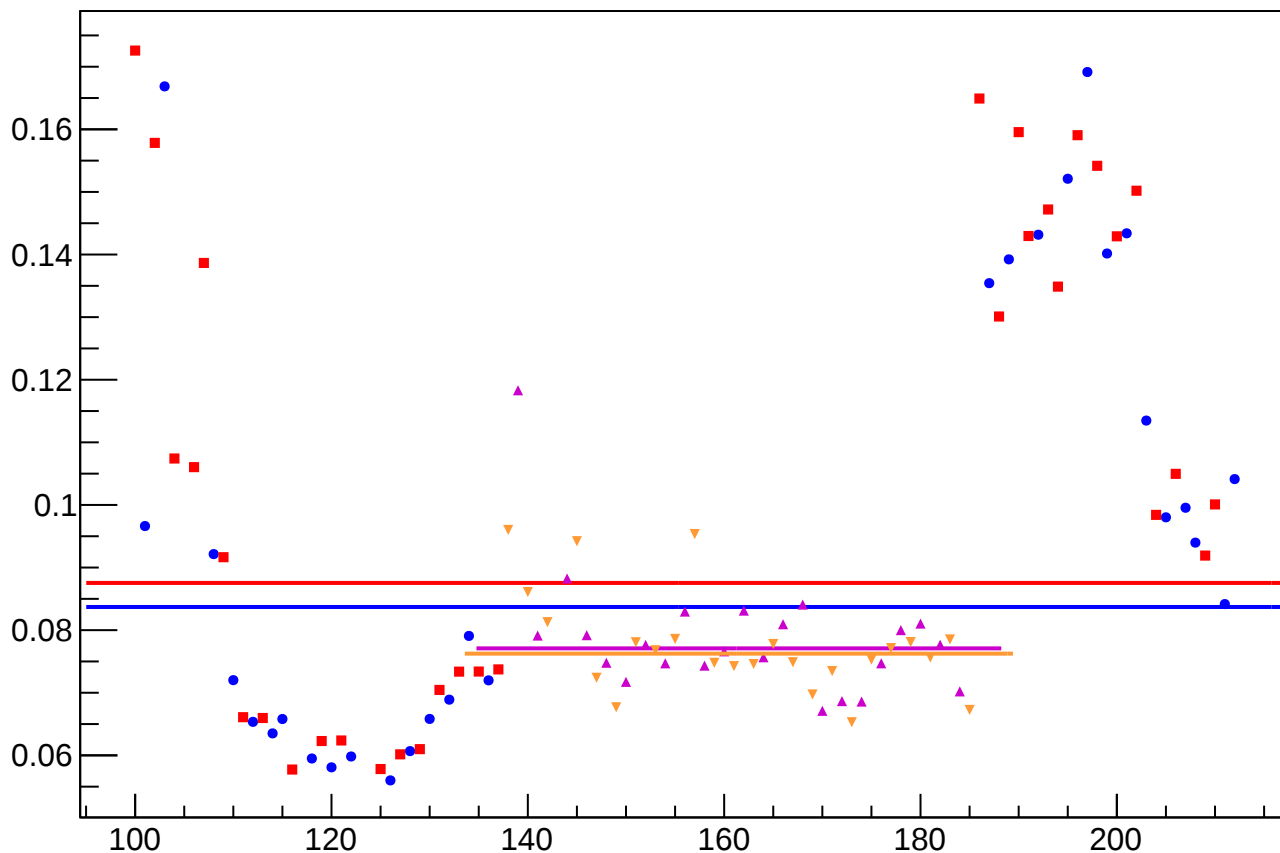
- sign 30.901 $\pm$ 0.004 χ^2 /NDF: 3605231.7/55

yield_usl_mean vs Slug



Right In: 32.414+/-0.000	χ^2/NDF : 2943244292.7/28	+ sign 31.455+/-0.000	χ^2/NDF : 6912297258.6/52
Left Out: 30.793+/-0.000	χ^2/NDF : 1007261340.7/23	All: 31.423+/-0.000	χ^2/NDF : 12449047427.3
Right Out: 32.263+/-0.000	χ^2/NDF : 2458654910.5/31	- sign 31.389+/-0.000	χ^2/NDF : 5526958733.0/54
Left In: 30.809+/-0.000	χ^2/NDF : 821961762.3/22		

yield_usl_rms vs Slug



Right In: 0.084+/-0.000 χ^2/NDF : 3193021.1/28

Left Out: 0.076+/-0.000 χ^2/NDF : 277876.5/23

Right Out: 0.088+/-0.000 χ^2/NDF : 3630962.4/31

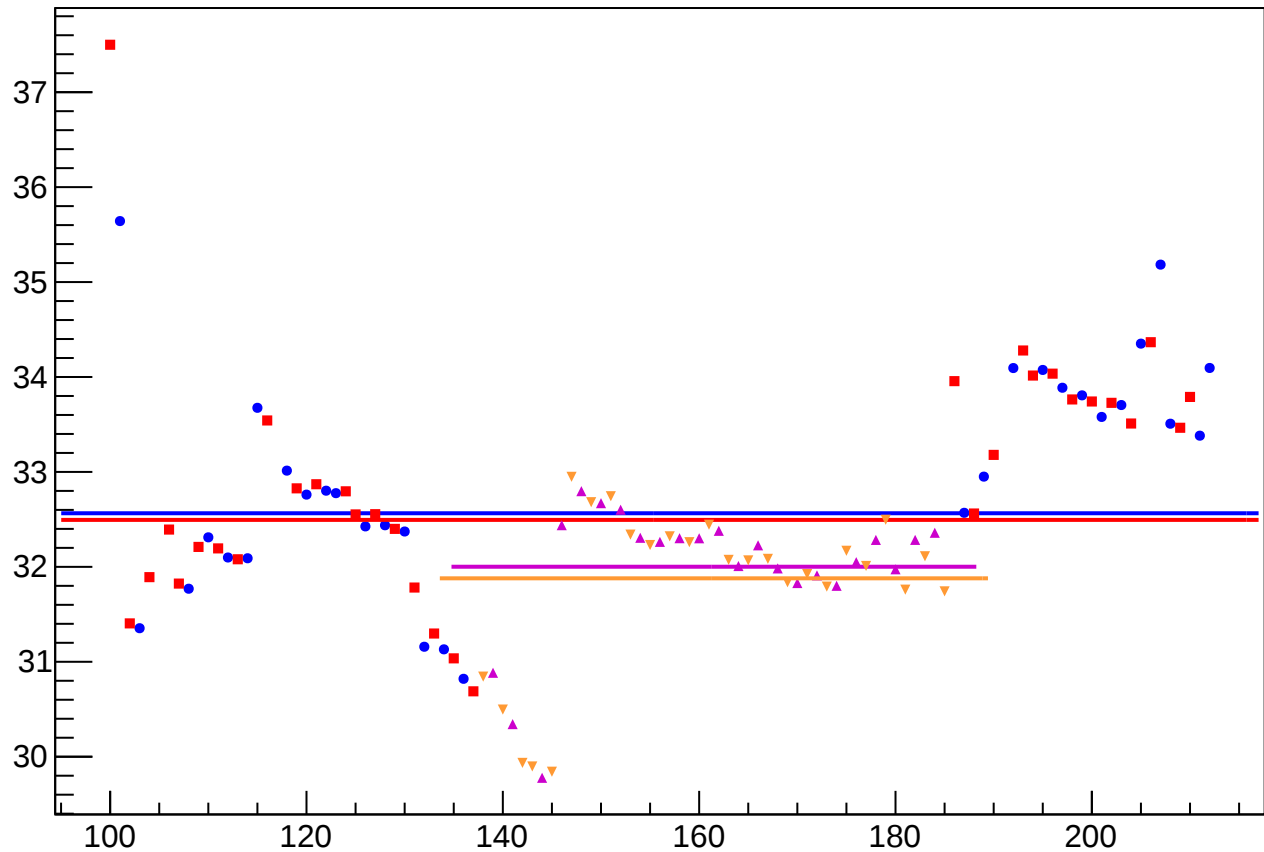
Left In: 0.077+/-0.000 χ^2/NDF : 325844.3/22

+ sign 0.079+/-0.000 χ^2/NDF : 3596021.9/52

All: 0.080+/-0.000 χ^2/NDF : 7802756.0/107

- sign 0.081+/-0.000 χ^2/NDF : 4189114.2/54

yield_usr_mean vs Slug



Right In: 32.565+/-0.000 χ^2/NDF : 1573528251.3/29

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.495+/-0.000 χ^2/NDF : 910877680.7/31

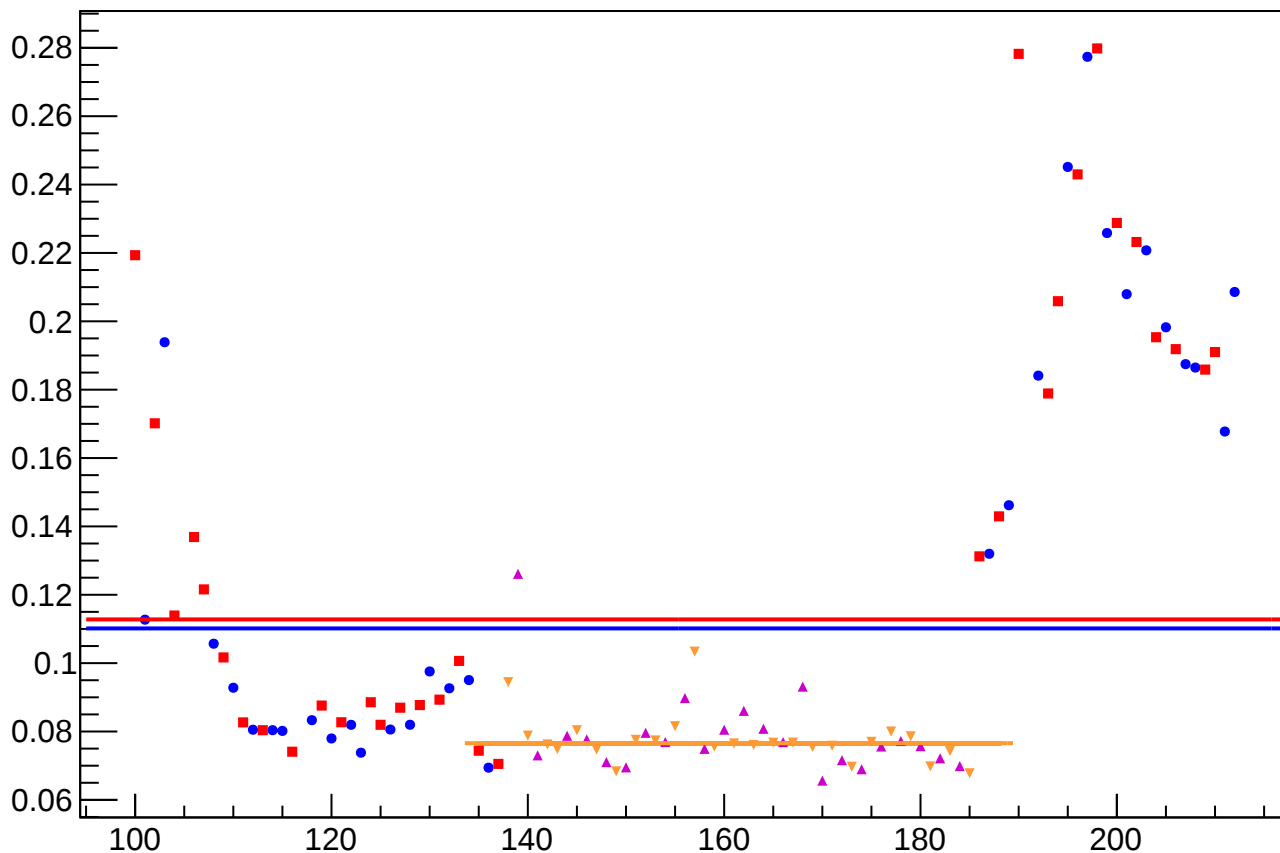
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 32.057+/-0.000 χ^2/NDF : 3900404329.9/54

All: 32.094+/-0.000 χ^2/NDF : 6411203619.8/54

- sign 32.133+/-0.000 χ^2/NDF : 2499889322.7/54

yield_usr_rms vs Slug



Right In: 0.110 $\pm$ 0.000 χ^2 /NDF: 5210186.2/29

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 209648.5/24

Right Out: 0.113 $\pm$ 0.000 χ^2 /NDF: 4802619.1/31

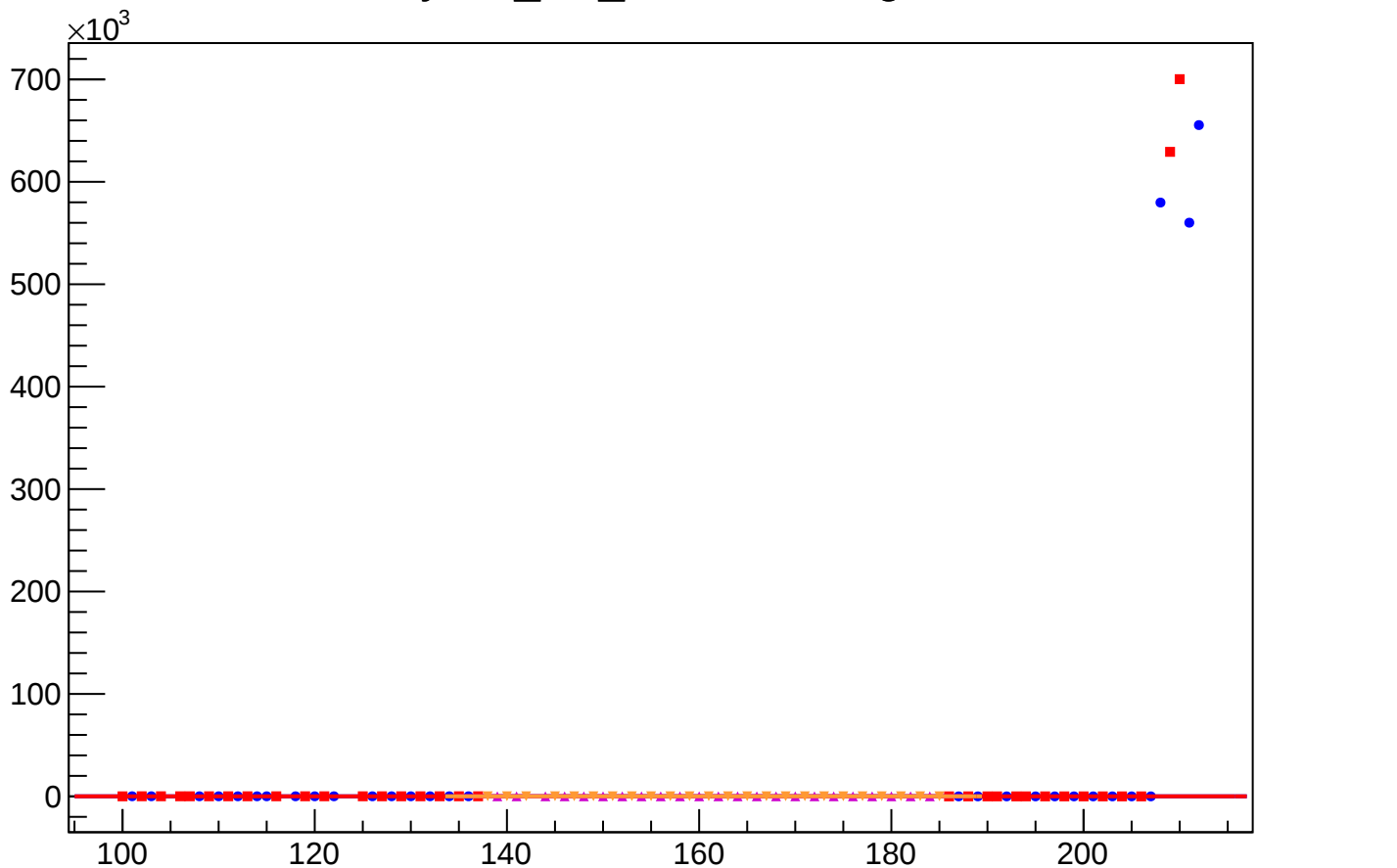
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF: 432563.3/22

+ sign 0.085 $\pm$ 0.000 χ^2 /NDF: 7101080.0/54

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 14264477.0/109

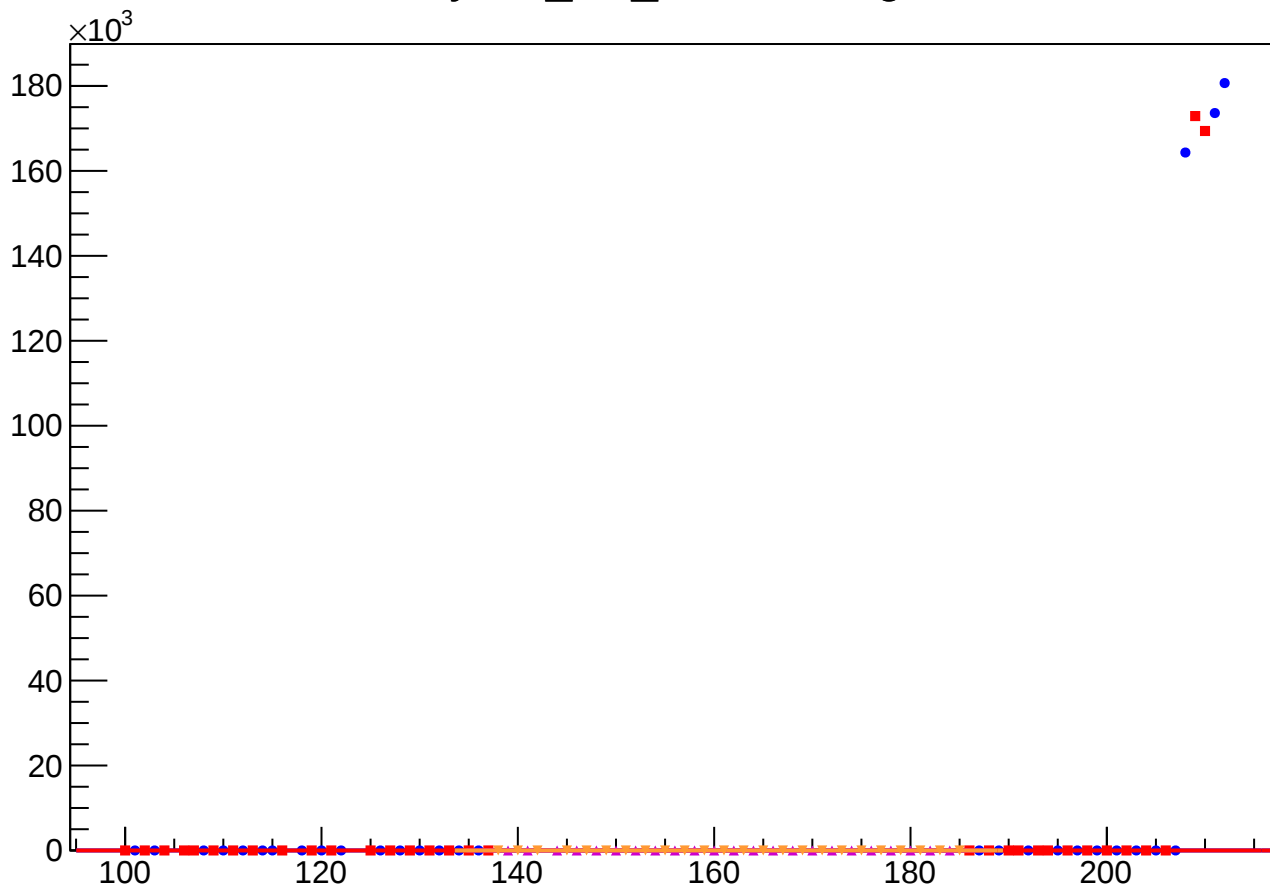
- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 7160592.8/54

yield_dsl_mean vs Slug



Right In: 54.615+/-0.000	χ^2/NDF : 10853532994063.6/28	+ sign 71.450+/-0.000	χ^2/NDF : 13713587643560.3
Left Out: 83.402+/-0.000	χ^2/NDF : 8756634444.3/23	All: 70.353+/-0.000	χ^2/NDF : 2903828150362
Right Out: 51.099+/-0.000	χ^2/NDF : 11528433259516.9/31	- sign 69.298+/-0.000	χ^2/NDF : 15291248110040.9
Left In: 83.309+/-0.000	χ^2/NDF : 8421247810.9/22		

yield_dsl_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 4659189.9/28

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:206685.9/23

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 3577413.2/31

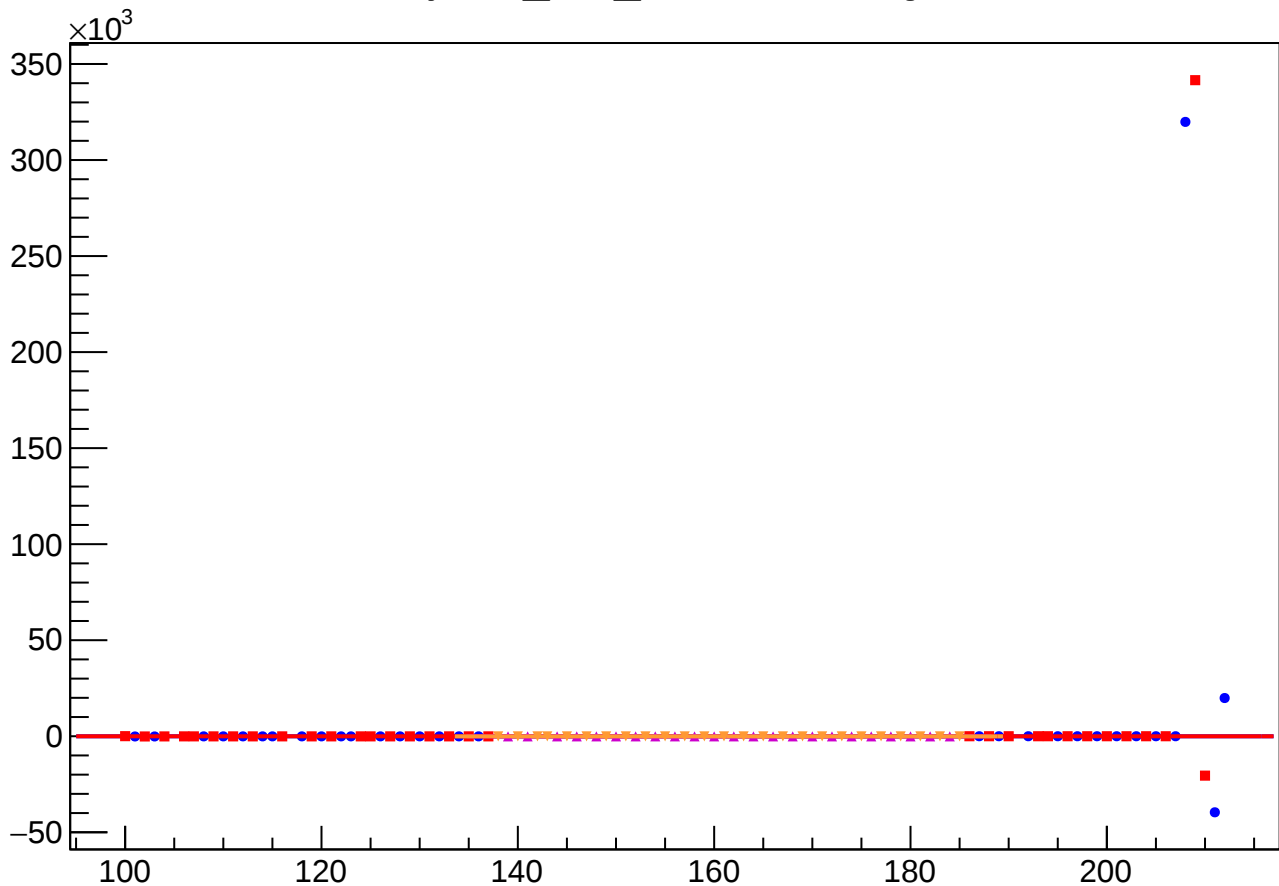
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.046 $\pm$ 0.000 χ^2 /NDF: 4885079.1/52

All: 0.046 $\pm$ 0.000 χ^2 /NDF: 8732713.1/107

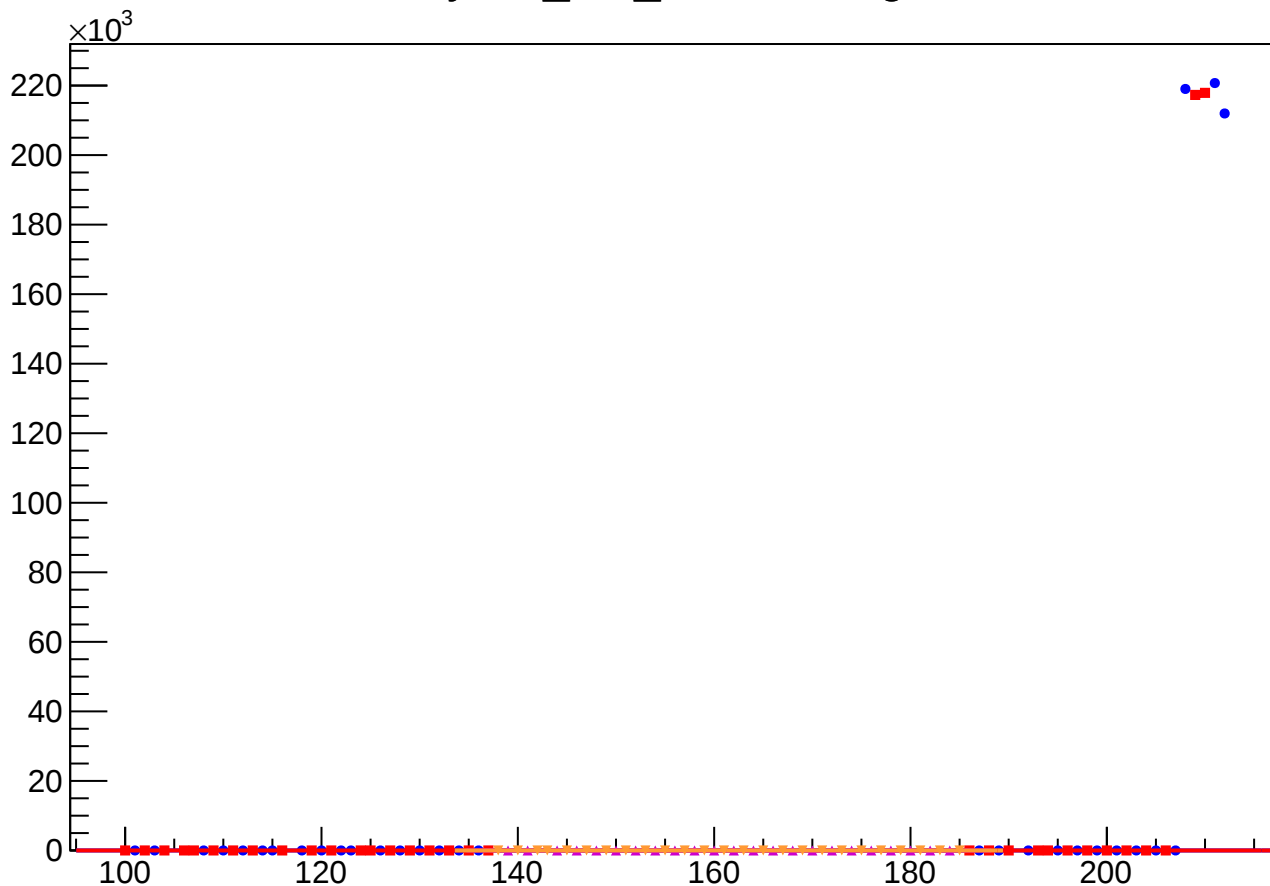
- sign 0.046 $\pm$ 0.000 χ^2 /NDF: 3847349.8/54

yield_dsr_mean vs Slug



Right In: -30.026 ± 0.000 χ^2/NDF : 7479128748037.6/29
 Left Out: -69.461 ± 0.000 χ^2/NDF : 49572401.9/24
 Right Out: -28.760 ± 0.000 χ^2/NDF : 7325681402413.6/31
 Left In: -69.458 ± 0.000 χ^2/NDF : 52798704.3/22
 + sign -51.425 ± 0.000 χ^2/NDF : 11625952294053.0
 All: -50.406 ± 0.000 χ^2/NDF : 234256933660
 - sign -49.388 ± 0.000 χ^2/NDF : 11777429544743.3

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 4338645.6/29

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 3125092.3/31

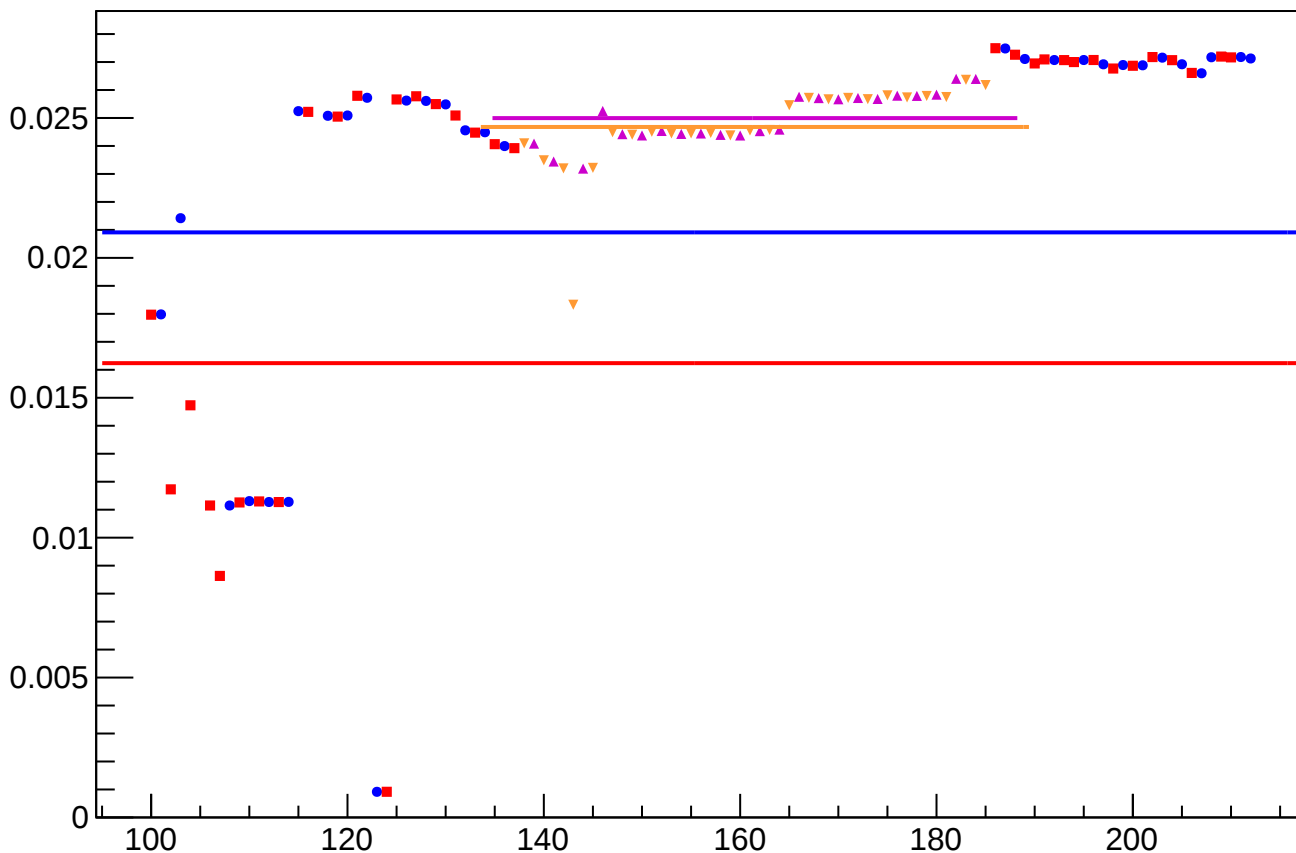
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 4427847.1/54

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 7673140.8/109

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 3245279.1/54

yield_atl1_mean vs Slug



Right In: 0.021 $\pm$ 0.000 χ^2 /NDF: 193953519065.1/29

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 419601347896.5/32

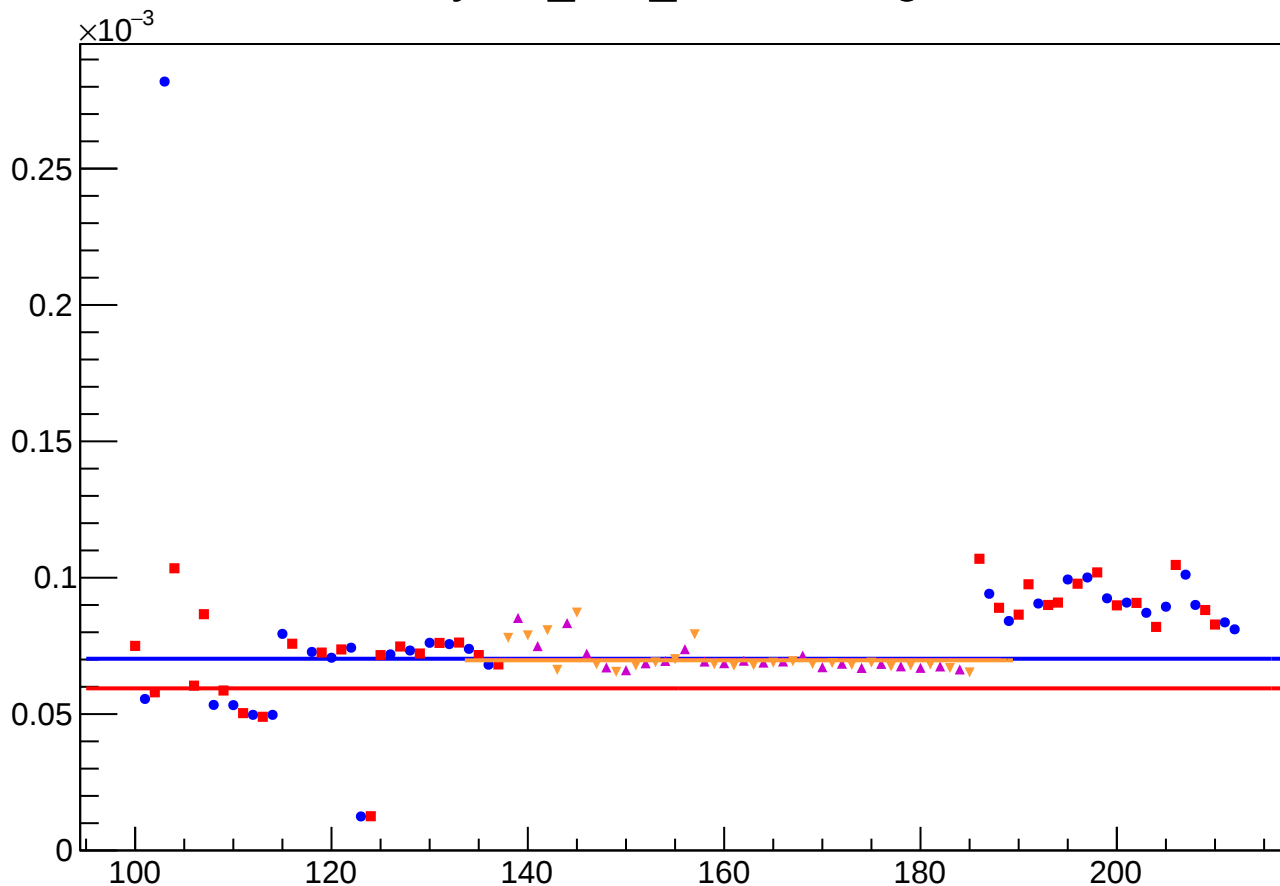
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 226154764982.5/54

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 802516662421.8

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 556447100312.1/55

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3562714.2/29

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6968047.3/32

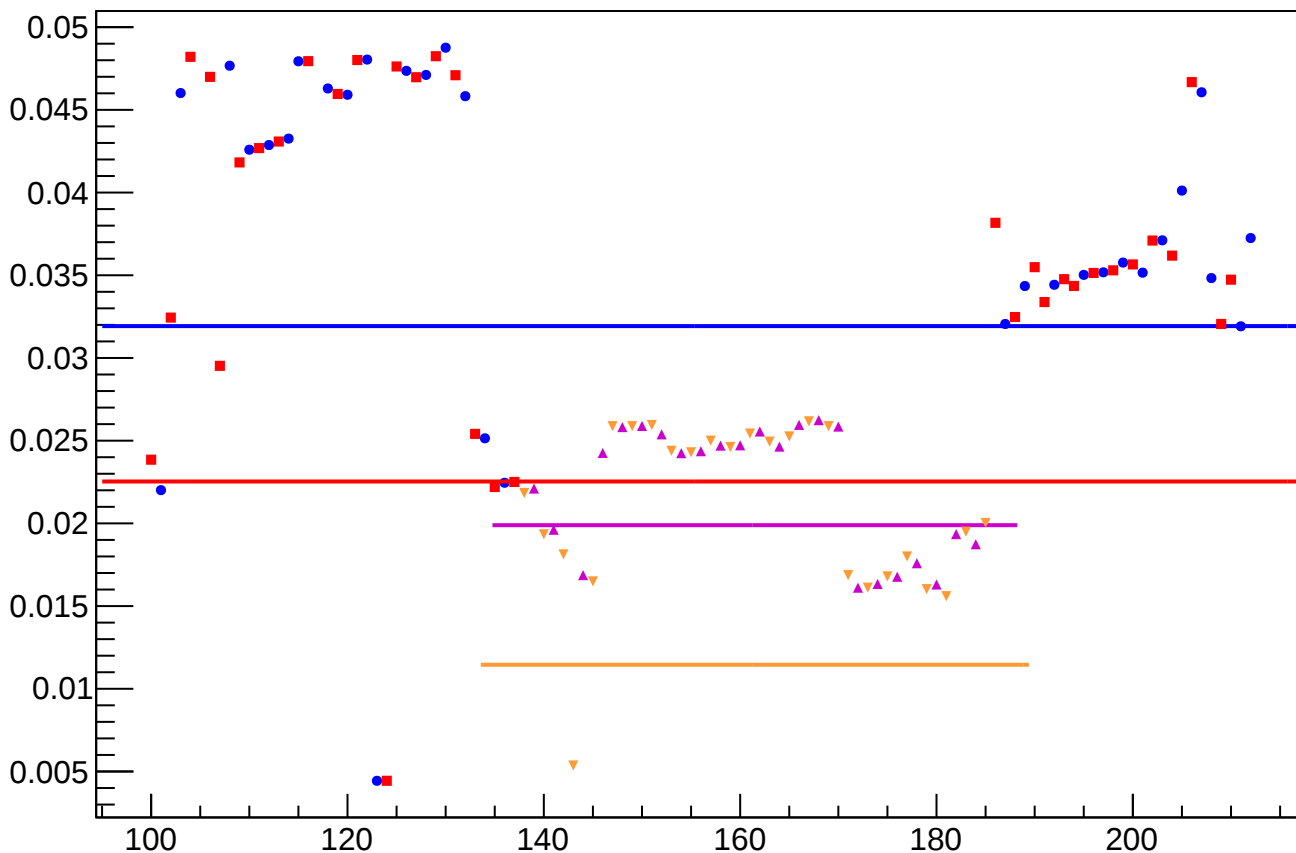
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 3721898.6/54

All: 0.000+/-0.000 χ^2/NDF : 11388425.5/110

- sign 0.000+/-0.000 χ^2/NDF : 7477899.2/55

yield_atl2_mean vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 21786234383.1/29

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 40294472965.0/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 44642289423.1/32

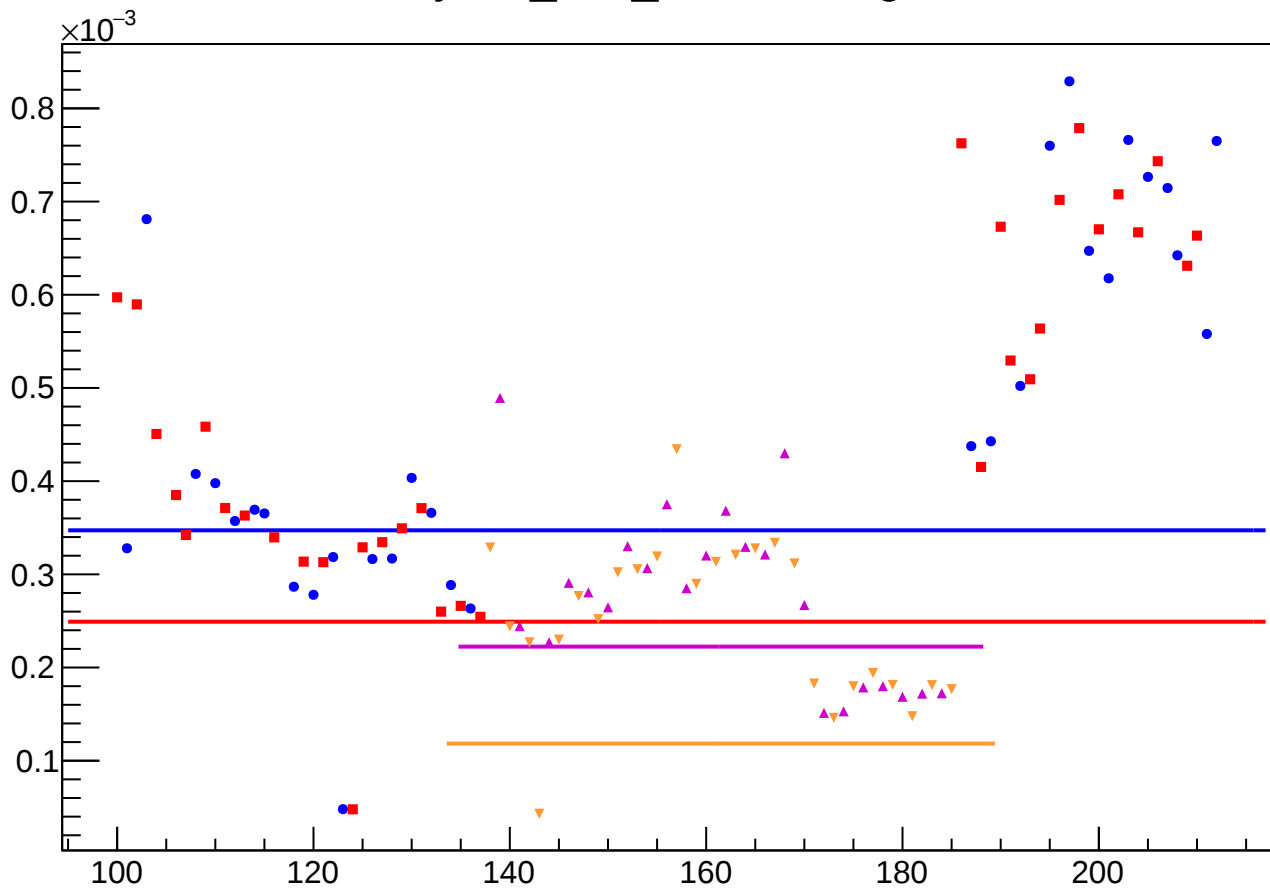
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 96312401251.8/54

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 159739311415.8

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 49764624888.8/55

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7300074.0/29

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12937231.3/32

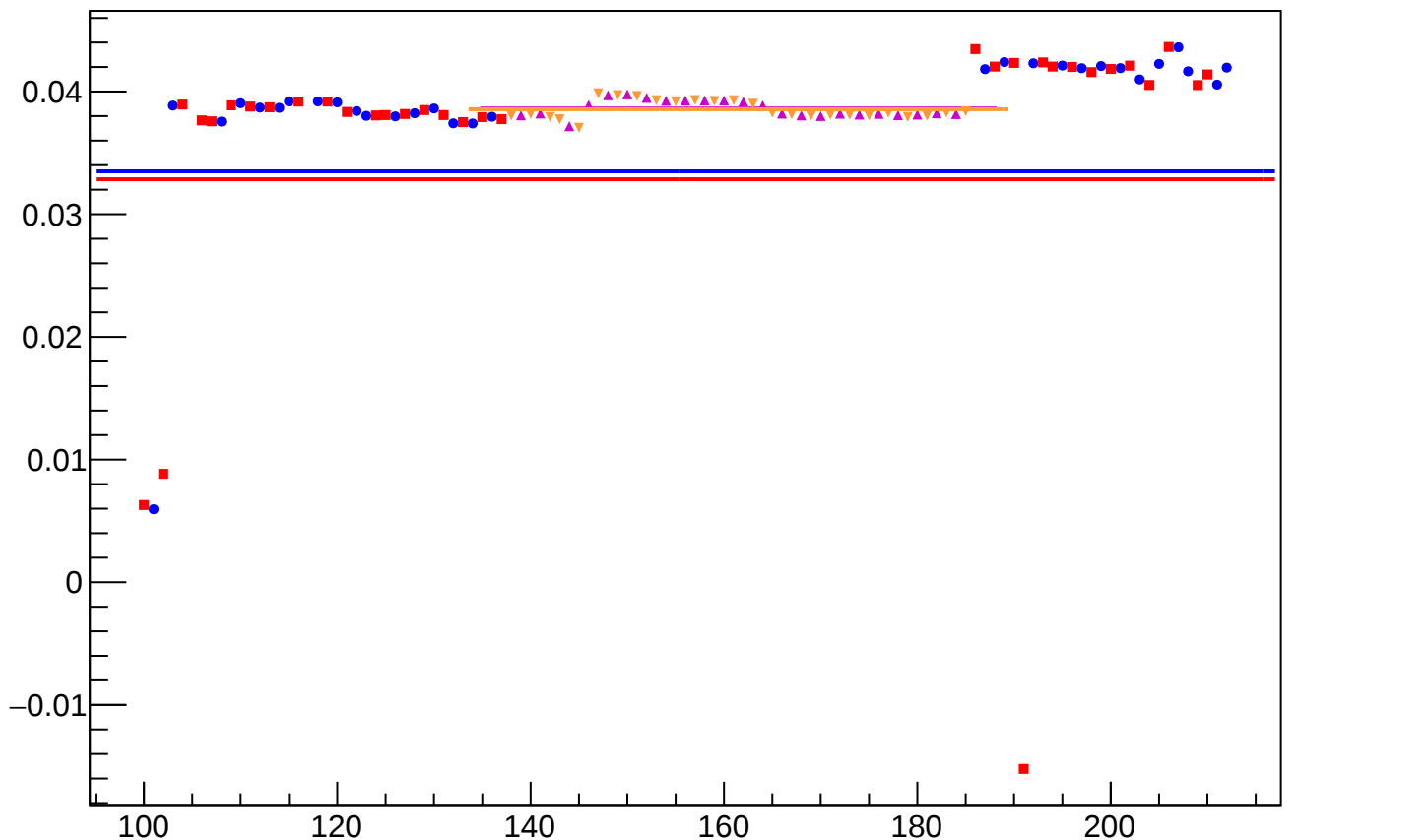
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 29416863.6/54

All: 0.000+/-0.000 χ^2/NDF : 50003240.2/110

- sign 0.000+/-0.000 χ^2/NDF : 16354458.8/55

yield_atr1_mean vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 118675481101.6/29

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 129859217162.9/54

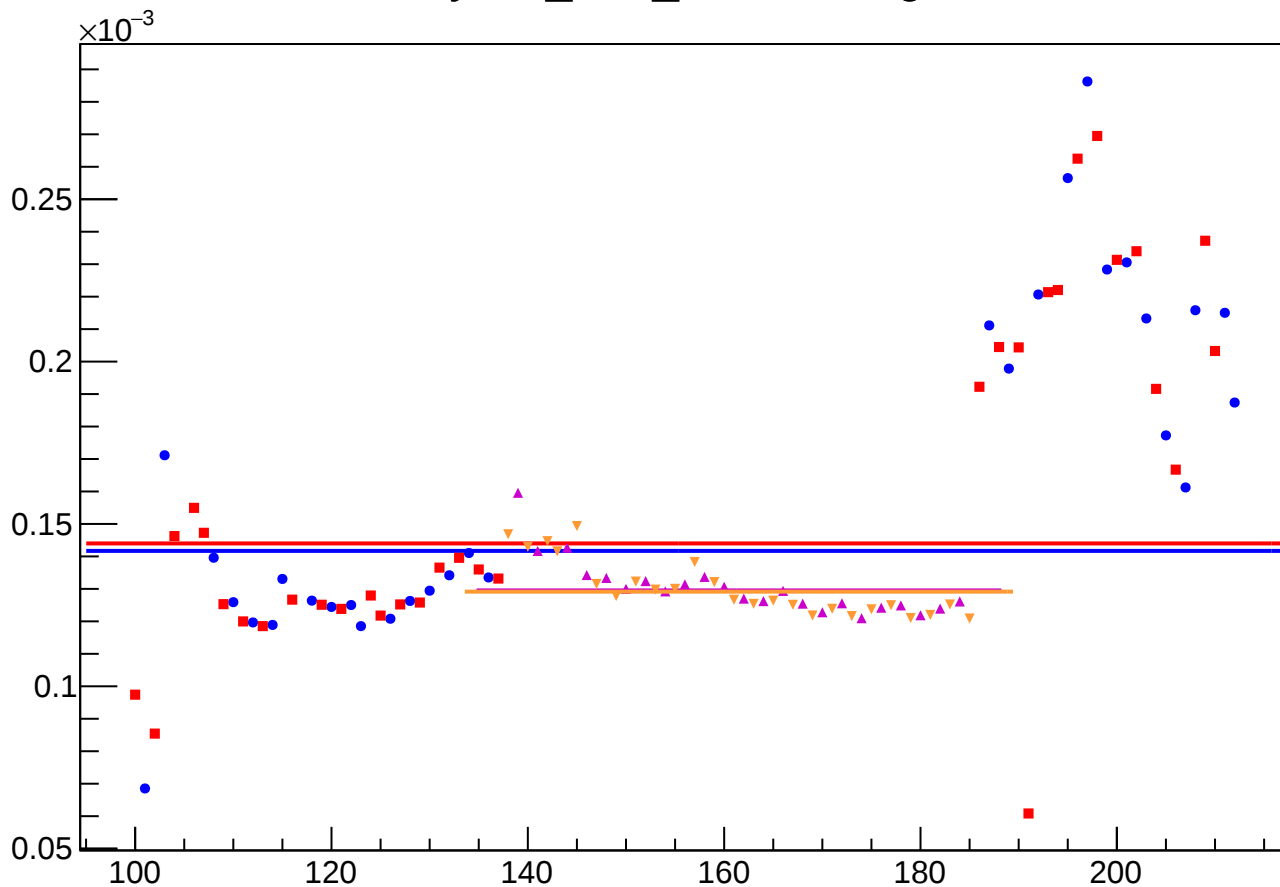
Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 182900603383.3/32

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 326843687565.5

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 196906651851.3/55

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3618884.5/29

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3387424.4/32

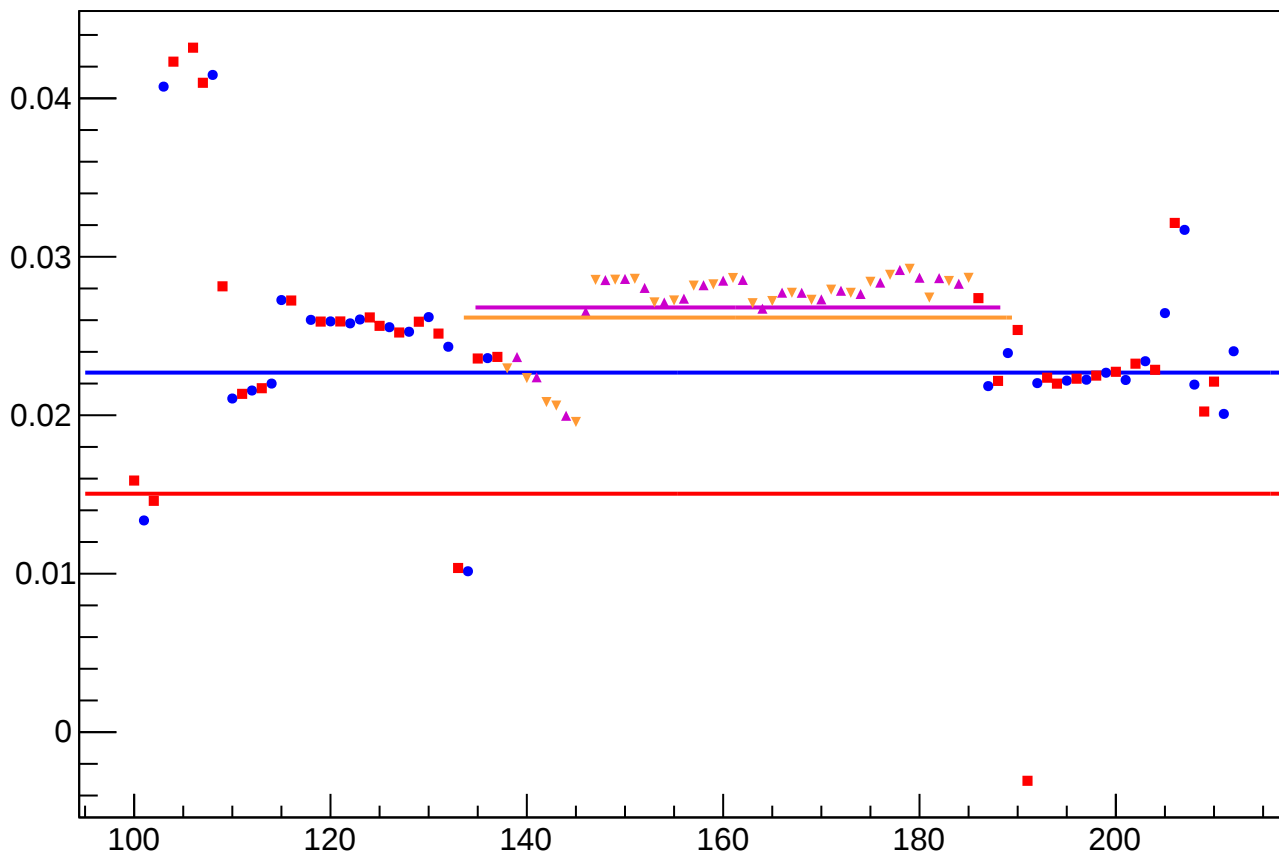
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3880031.5/54

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7555634.2/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3672521.1/55

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4422993983.7/29

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 31679739824.0/32

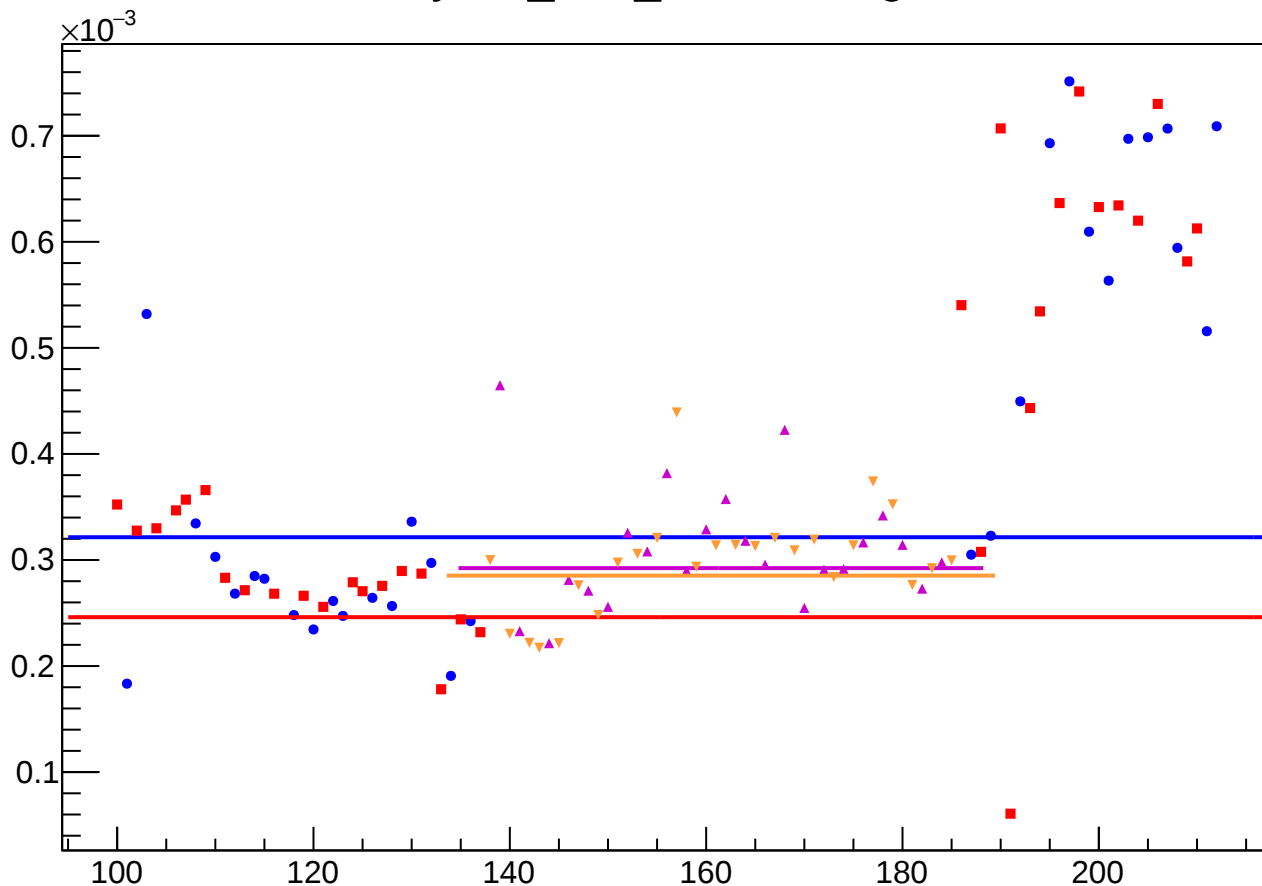
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7371578365.3/54

All: 0.023+/-0.000 χ^2/NDF : 54846942272.7/1

- sign 0.021+/-0.000 χ^2/NDF : 45189293639.2/55

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5358877.2/29

Left Out: 0.000+/-0.000 χ^2/NDF : 813464.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9828477.3/32

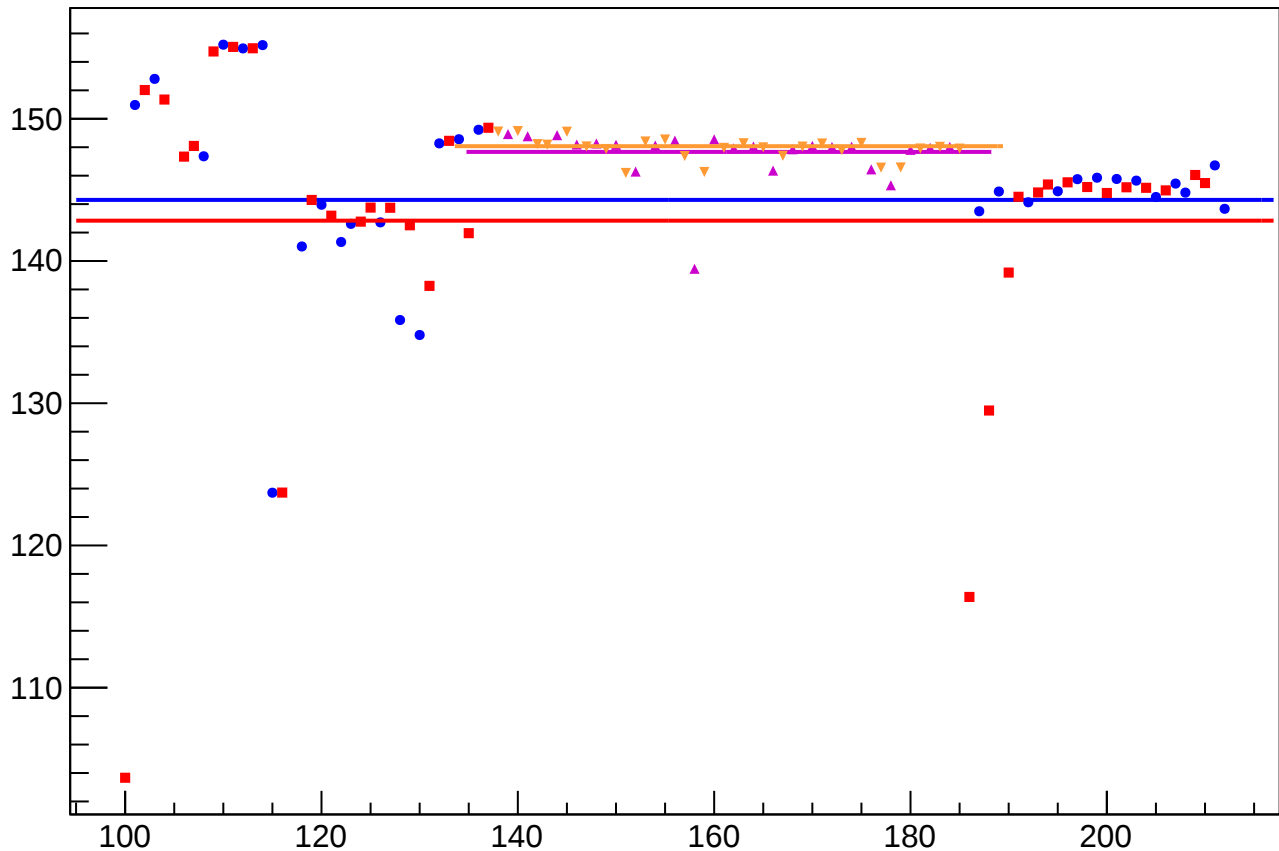
Left In: 0.000+/-0.000 χ^2/NDF : 898772.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 6365995.8/54

All: 0.000+/-0.000 χ^2/NDF : 17738267.8/110

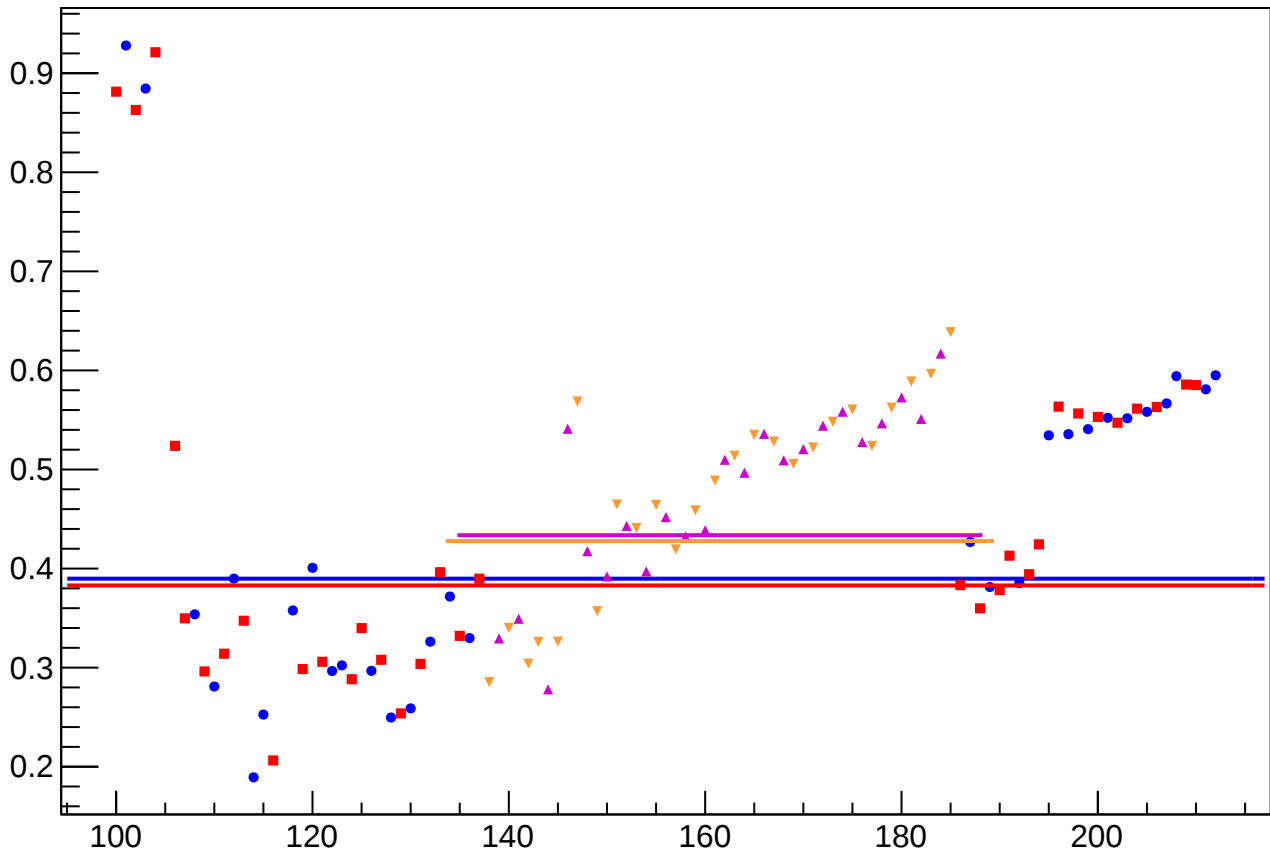
- sign 0.000+/-0.000 χ^2/NDF : 11104492.6/55

yield_bcm_an_ds_mean vs Slug



Right In: 144.297 ± 0.000 $\chi^2/\text{NDF}: 3503666446.4/29$
 Left Out: 148.073 ± 0.000 $\chi^2/\text{NDF}: 65614067.4/24$
 Right Out: 142.837 ± 0.000 $\chi^2/\text{NDF}: 7444774133.0/32$
 Left In: 147.670 ± 0.000 $\chi^2/\text{NDF}: 345222604.4/22$
 All: 145.669 ± 0.000 $\chi^2/\text{NDF}: 13186361192.3/54$
 + sign 146.228 ± 0.000 $\chi^2/\text{NDF}: 4215619129.3/54$
 - sign 145.115 ± 0.000 $\chi^2/\text{NDF}: 8857751151.3/55$

yield_bcm_an_ds_rms vs Slug



Right In: 0.390 $\pm$ 0.000 χ^2 /NDF: 3238765.6/29

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1896808.7/24

Right Out: 0.383 $\pm$ 0.000 χ^2 /NDF: 2891599.9/32

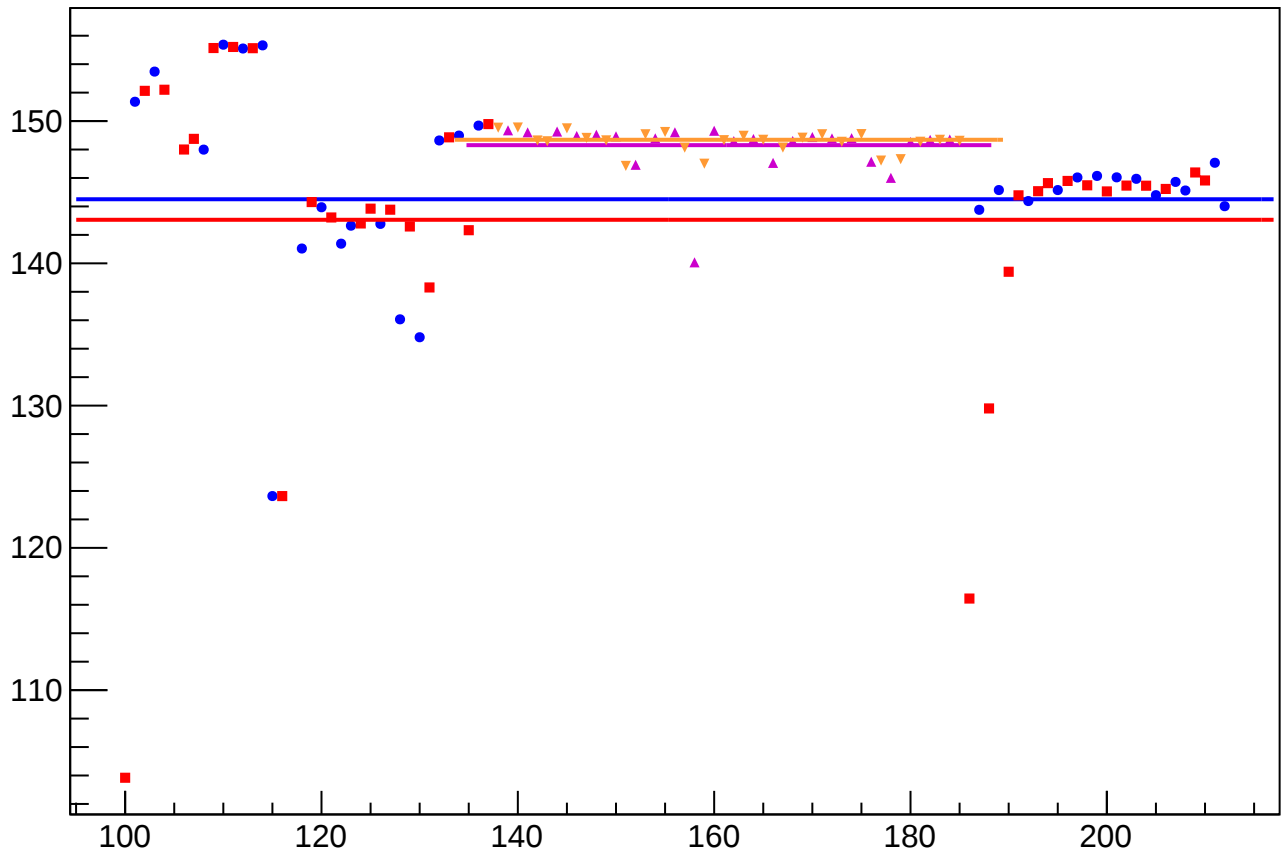
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.409 $\pm$ 0.000 χ^2 /NDF: 5266071.9/54

All: 0.408 $\pm$ 0.000 χ^2 /NDF: 9889970.0/110

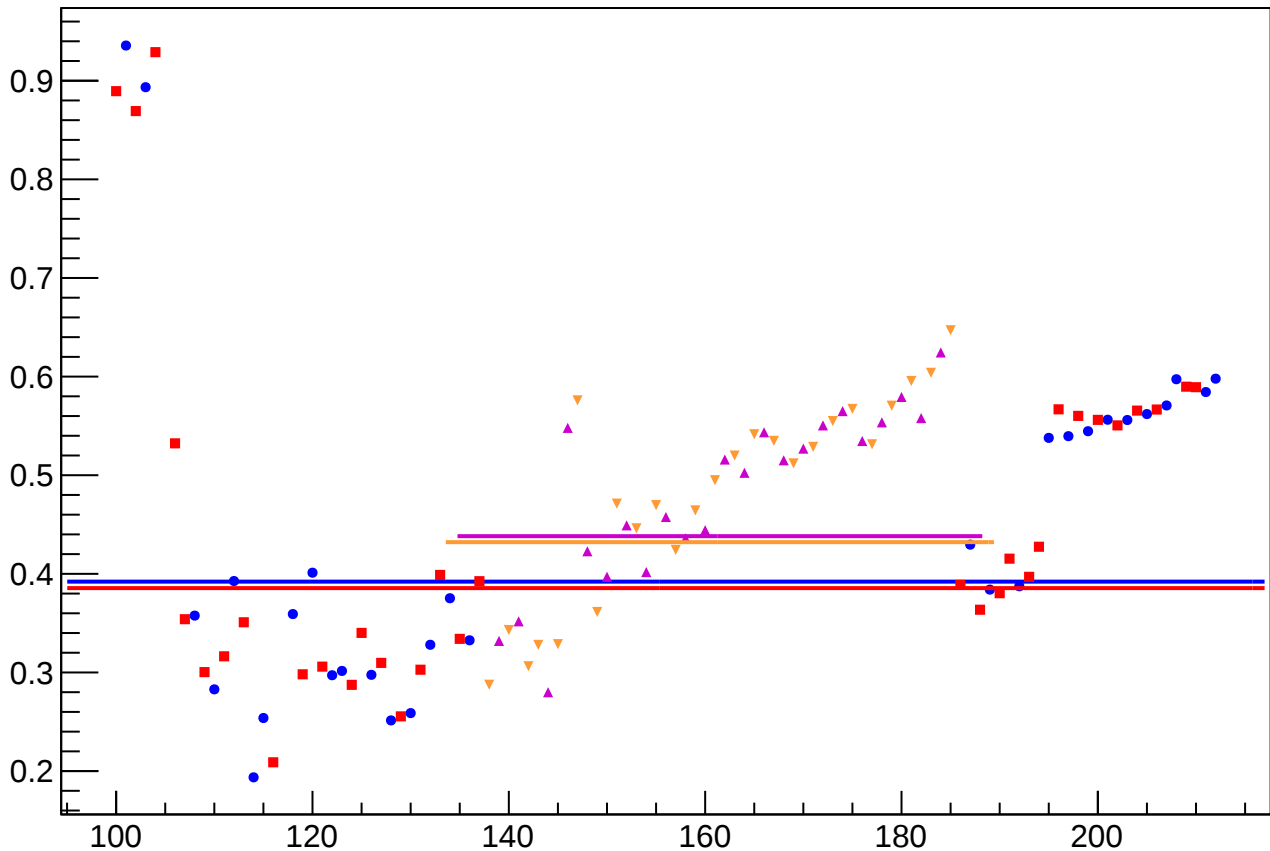
- sign 0.407 $\pm$ 0.000 χ^2 /NDF: 4622909.0/55

yield_bcm_an_ds3_mean vs Slug



Right In: 144.505+/-0.000	χ^2/NDF : 3554098339.8/29	+ sign 146.634+/-0.000	χ^2/NDF : 4385963312.4/54
Left Out: 148.686+/-0.000	χ^2/NDF : 52218185.1/24	All: 146.075+/-0.000	χ^2/NDF : 13461424450.
Right Out: 143.062+/-0.000	χ^2/NDF : 7395668378.6/32	- sign 145.523+/-0.000	χ^2/NDF : 8964940670.4/55
Left In: 148.307+/-0.000	χ^2/NDF : 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.392 ± 0.000 $\chi^2/\text{NDF}: 3245892.2/29$

Left Out: 0.432 ± 0.000 $\chi^2/\text{NDF}: 1929031.5/24$

Right Out: 0.386 ± 0.000 $\chi^2/\text{NDF}: 2895528.9/32$

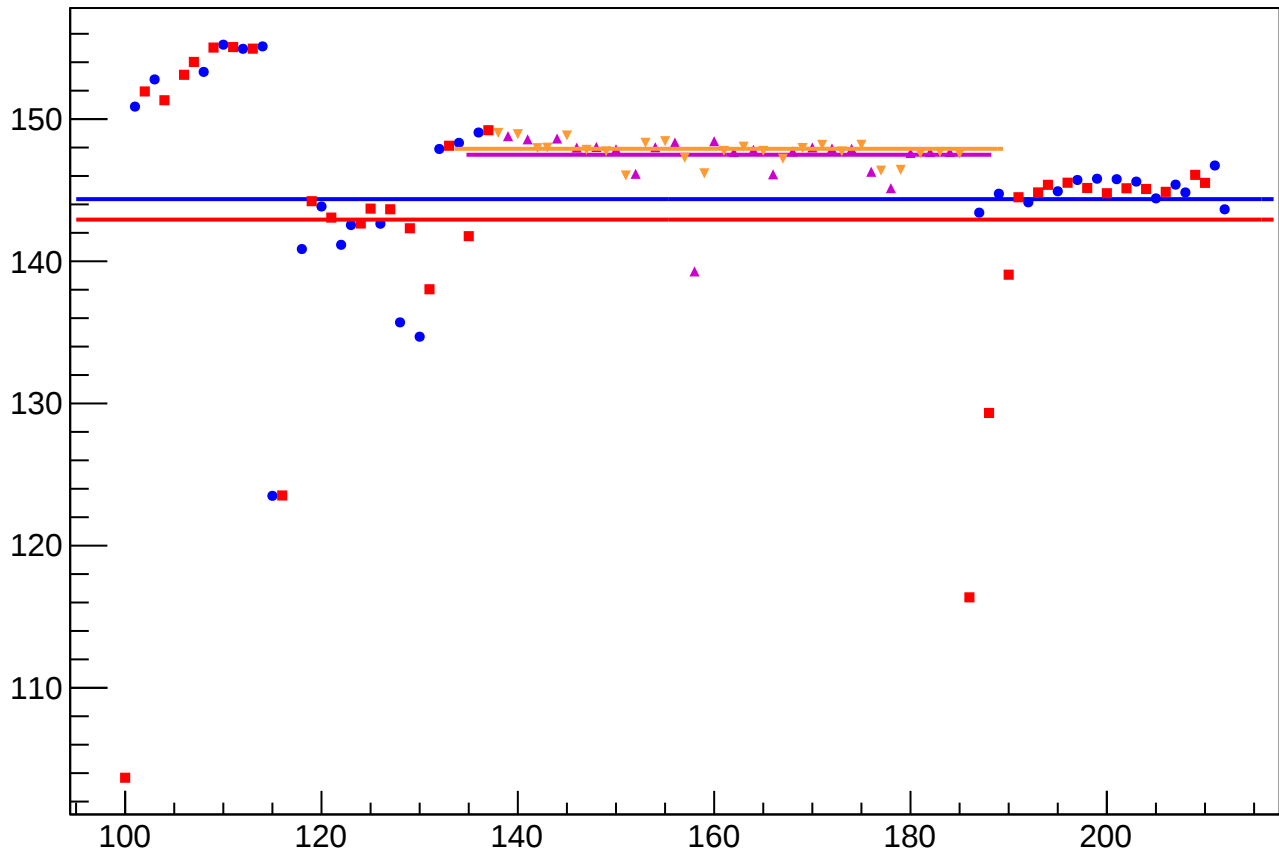
Left In: 0.438 ± 0.000 $\chi^2/\text{NDF}: 1521893.6/22$

+ sign 0.412 ± 0.000 $\chi^2/\text{NDF}: 5317731.6/54$

All: 0.411 ± 0.000 $\chi^2/\text{NDF}: 9985349.7/110$

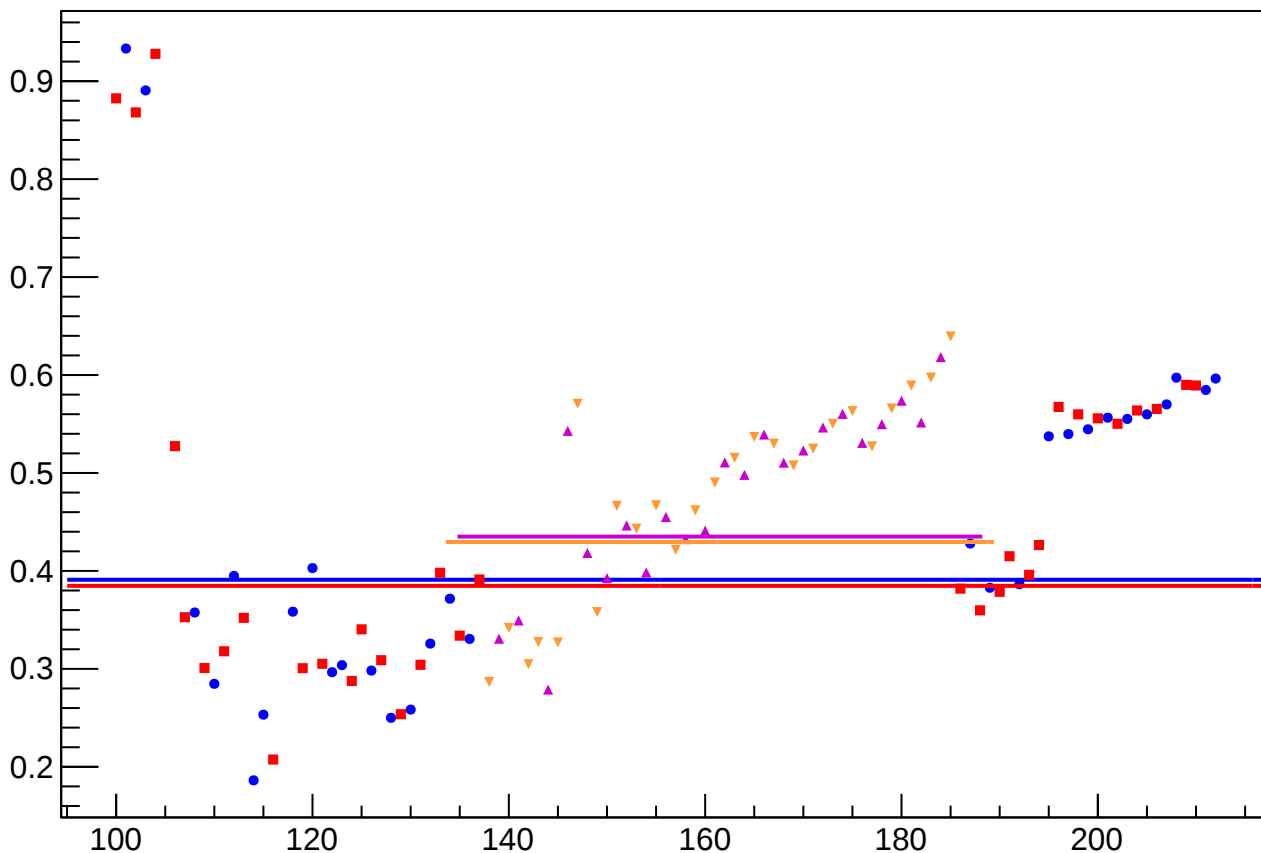
- sign 0.410 ± 0.000 $\chi^2/\text{NDF}: 4666722.0/55$

yield_bcm_an_us_mean vs Slug



Right In: 144.370 $\pm$ 0.000	χ^2 /NDF: 3709289665.7/29	+ sign 146.180 $\pm$ 0.000	χ^2 /NDF: 4337606638.7/54
Left Out: 147.911 $\pm$ 0.000	χ^2 /NDF: 64412407.9/24	All: 145.630 $\pm$ 0.000	χ^2 /NDF: 13553633495.
Right Out: 142.931 $\pm$ 0.000	χ^2 /NDF: 7819614900.2/32	- sign 145.085 $\pm$ 0.000	χ^2 /NDF: 9107399010.3/55
Left In: 147.493 $\pm$ 0.000	χ^2 /NDF: 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.391 $\pm$ 0.000 χ^2 /NDF: 3274645.7/29

Left Out: 0.430 $\pm$ 0.000 χ^2 /NDF:1895701.4/24

Right Out: 0.385 $\pm$ 0.000 χ^2 /NDF: 2898498.0/32

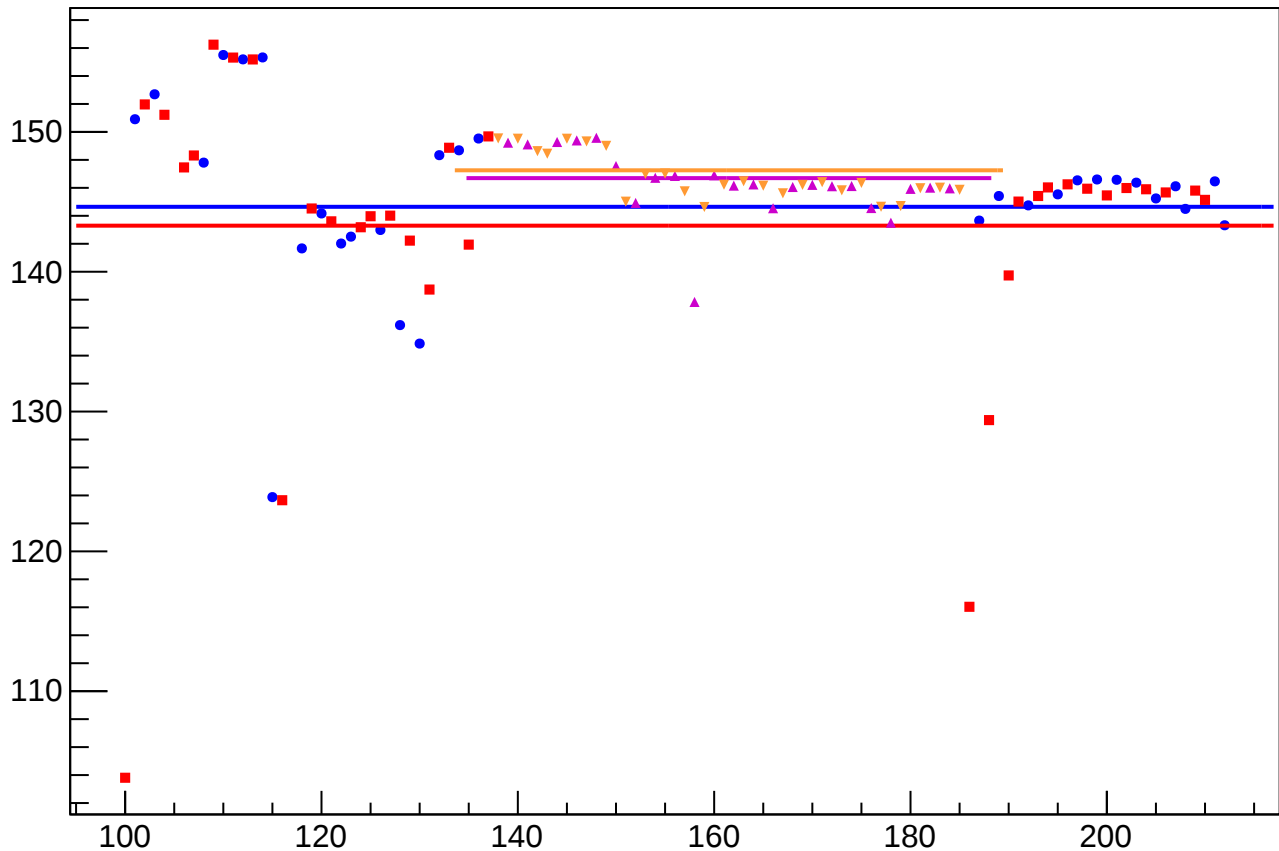
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1502712.5/22

+ sign 0.411 $\pm$ 0.000 χ^2 /NDF: 5304003.3/54

All: 0.410 $\pm$ 0.000 χ^2 /NDF: 9935589.4/110

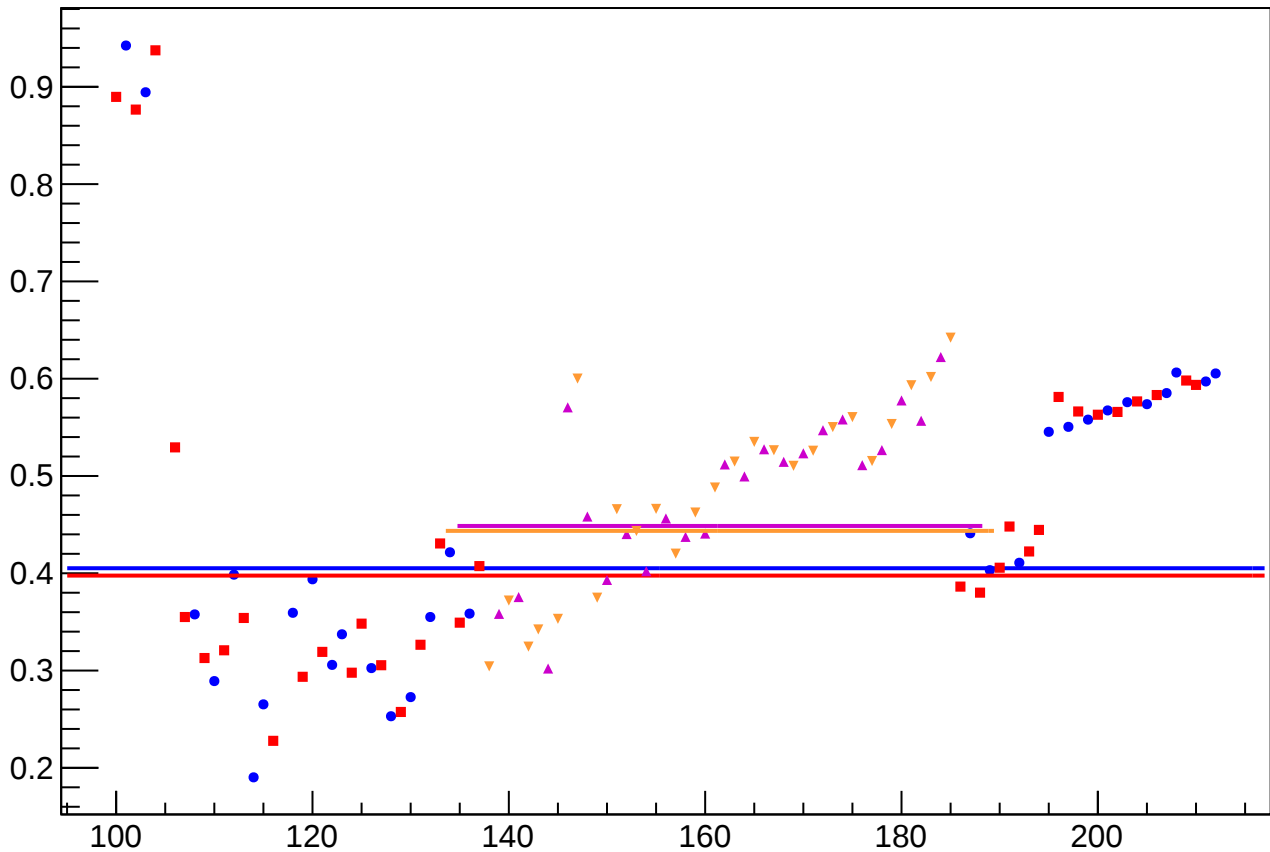
- sign 0.408 $\pm$ 0.000 χ^2 /NDF: 4630722.8/55

yield_bcm_dg_us_mean vs Slug



Right In: 144.644+/-0.000	χ^2/NDF : 3232422586.3/29	+ sign 145.989+/-0.000	χ^2/NDF : 3782302486.3/54
Left Out: 147.255+/-0.000	χ^2/NDF : 262138049.8/24	All: 145.447+/-0.000	χ^2/NDF : 12075132756.
Right Out: 143.295+/-0.000	χ^2/NDF : 7141787396.7/32	- sign 144.913+/-0.000	χ^2/NDF : 8194247695.9/55
Left In: 146.695+/-0.000	χ^2/NDF : 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.405 $\pm$ 0.000 χ^2 /NDF: 3168739.0/29

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.398 $\pm$ 0.000 χ^2 /NDF: 2809897.8/32

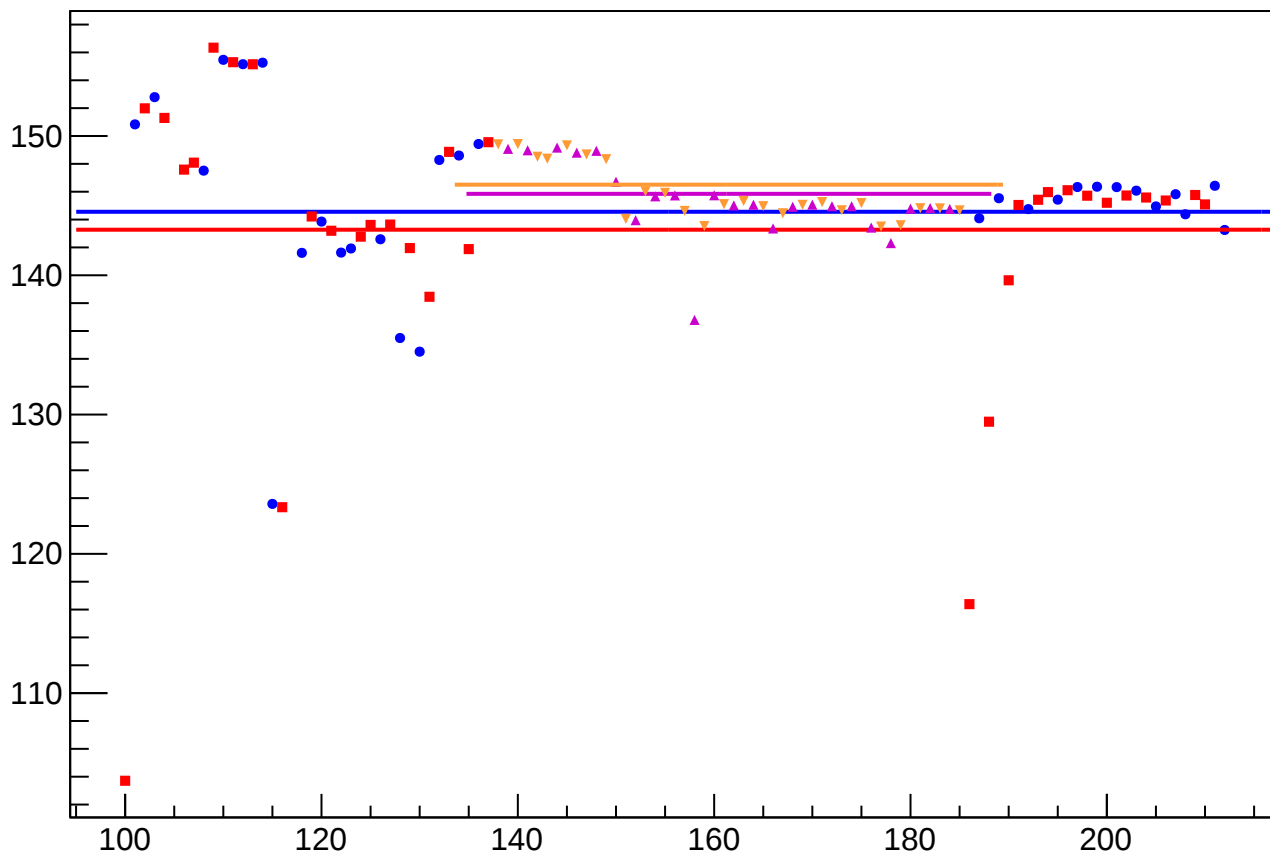
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.425 $\pm$ 0.000 χ^2 /NDF: 4776711.6/54

All: 0.423 $\pm$ 0.000 χ^2 /NDF: 8943586.2/110

- sign 0.422 $\pm$ 0.000 χ^2 /NDF: 4165265.0/55

yield_bcm_dg_ds_mean vs Slug



Right In: 144.559 ± 0.000 χ^2/NDF : 3342359983.3/29

Left Out: 146.505 ± 0.000 χ^2/NDF : 401688176.3/24

Right Out: 143.271 ± 0.000 χ^2/NDF : 7094724364.8/32

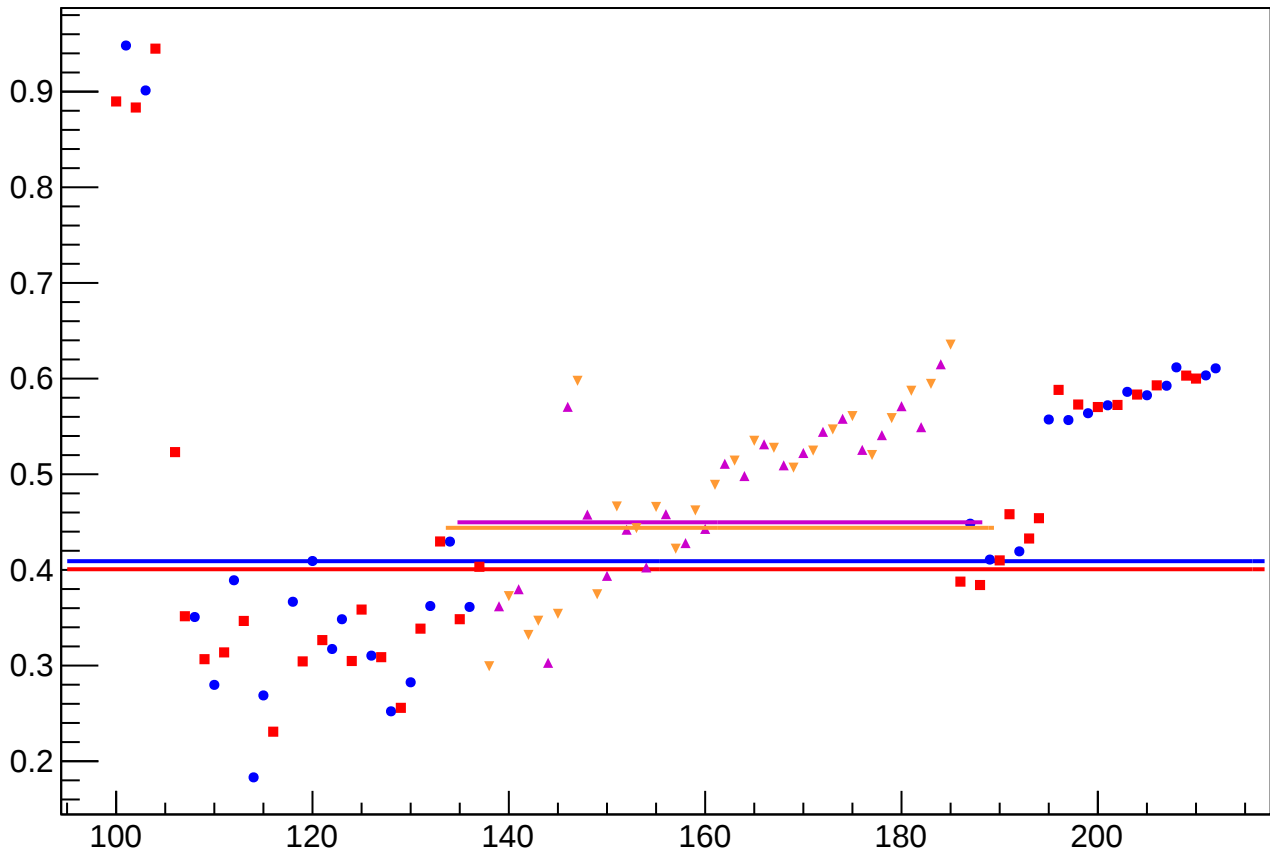
Left In: 145.847 ± 0.000 χ^2/NDF : 694764545.6/22

+ sign 145.572 ± 0.000 χ^2/NDF : 3901783922.0/54

All: 145.035 ± 0.000 χ^2/NDF : 12067234344.0

- sign 144.506 ± 0.000 χ^2/NDF : 8069847239.4/55

yield_bcm_dg_ds_rms vs Slug



Right In: 0.409 ± 0.000 χ^2/NDF : 3215675.9/29

Left Out: 0.444 ± 0.000 χ^2/NDF : 1463293.5/24

Right Out: 0.401 ± 0.000 χ^2/NDF : 2842938.6/32

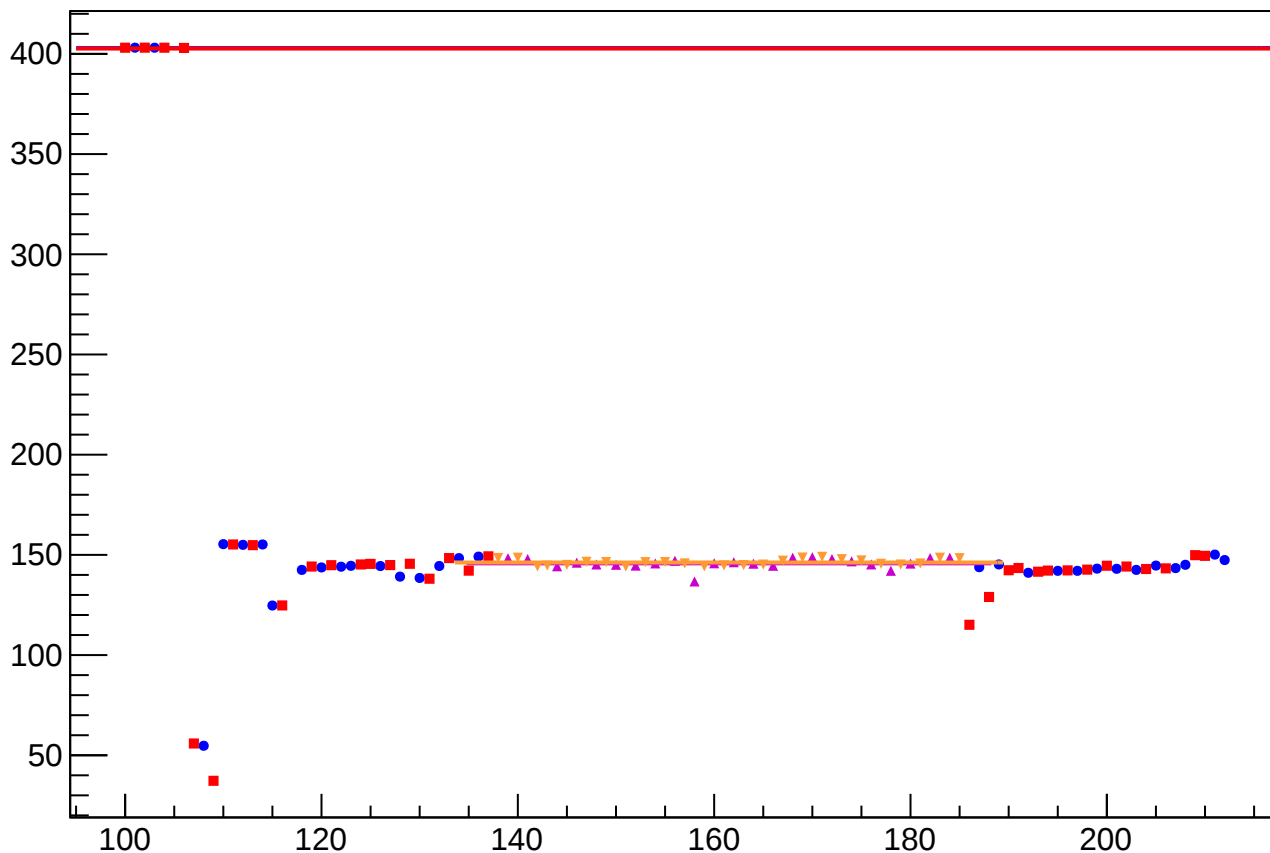
Left In: 0.450 ± 0.000 χ^2/NDF : 1105405.0/22

+ sign 0.427 ± 0.000 χ^2/NDF : 4780375.5/54

All: 0.426 ± 0.000 χ^2/NDF : 8933972.1/110

- sign 0.424 ± 0.000 χ^2/NDF : 4152013.9/55

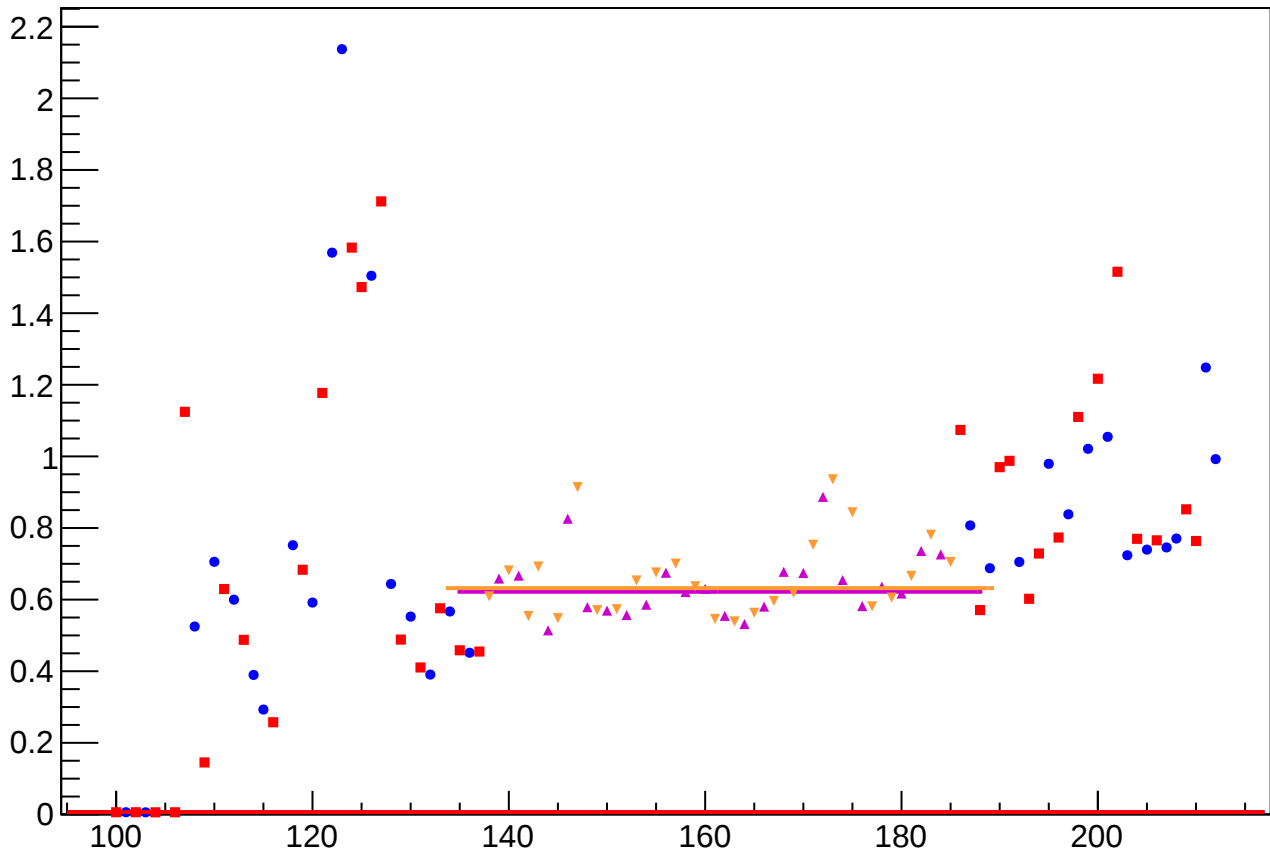
yield_cav4bQ_mean vs Slug



Right In: 402.869 $\pm$ 0.000 χ^2 /NDF: 1808461392903.5/29
 Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24
 Right Out: 402.704 $\pm$ 0.000 χ^2 /NDF: 3983159574634.1/32
 Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.573 $\pm$ 0.000 χ^2 /NDF: 4178824753582.2
 All: 402.505 $\pm$ 0.000 χ^2 /NDF: 105079619042
 - sign 402.445 $\pm$ 0.000 χ^2 /NDF: 6328865520256.1

yield_cav4bQ_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 23709580.2/29

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

Right Out: 0.007+/-0.000 χ^2/NDF : 24919988.5/32

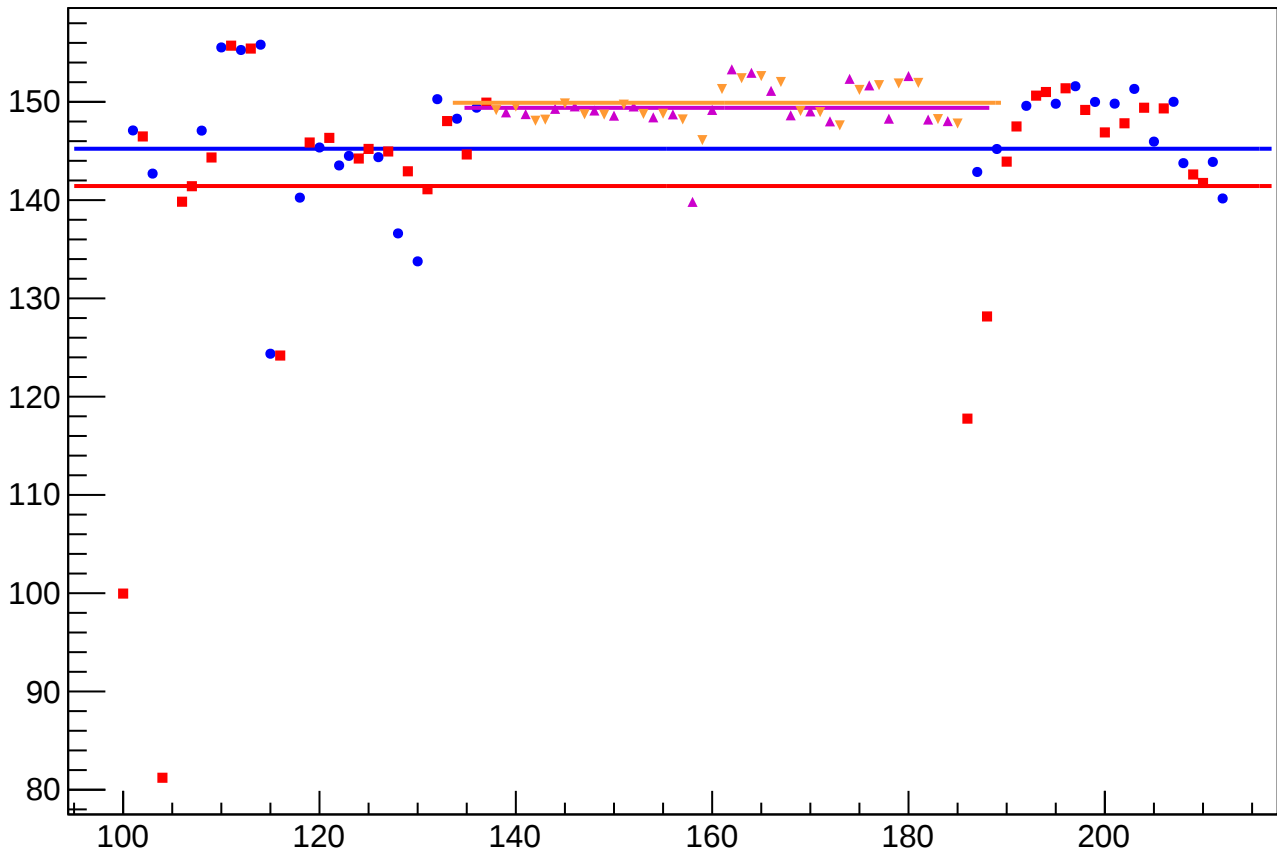
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 52478193.1/54

All: 0.007+/-0.000 χ^2/NDF : 104709583.6/110

- sign 0.007+/-0.000 χ^2/NDF : 52230952.0/55

yield_cav4cQ_mean vs Slug



Right In: 145.229+/-0.000 χ^2/NDF : 1360246864.2/29

Left Out: 149.906+/-0.000 χ^2/NDF :163261802.4/24

Right Out: 141.434+/-0.000 χ^2/NDF : 3249633360.8/32

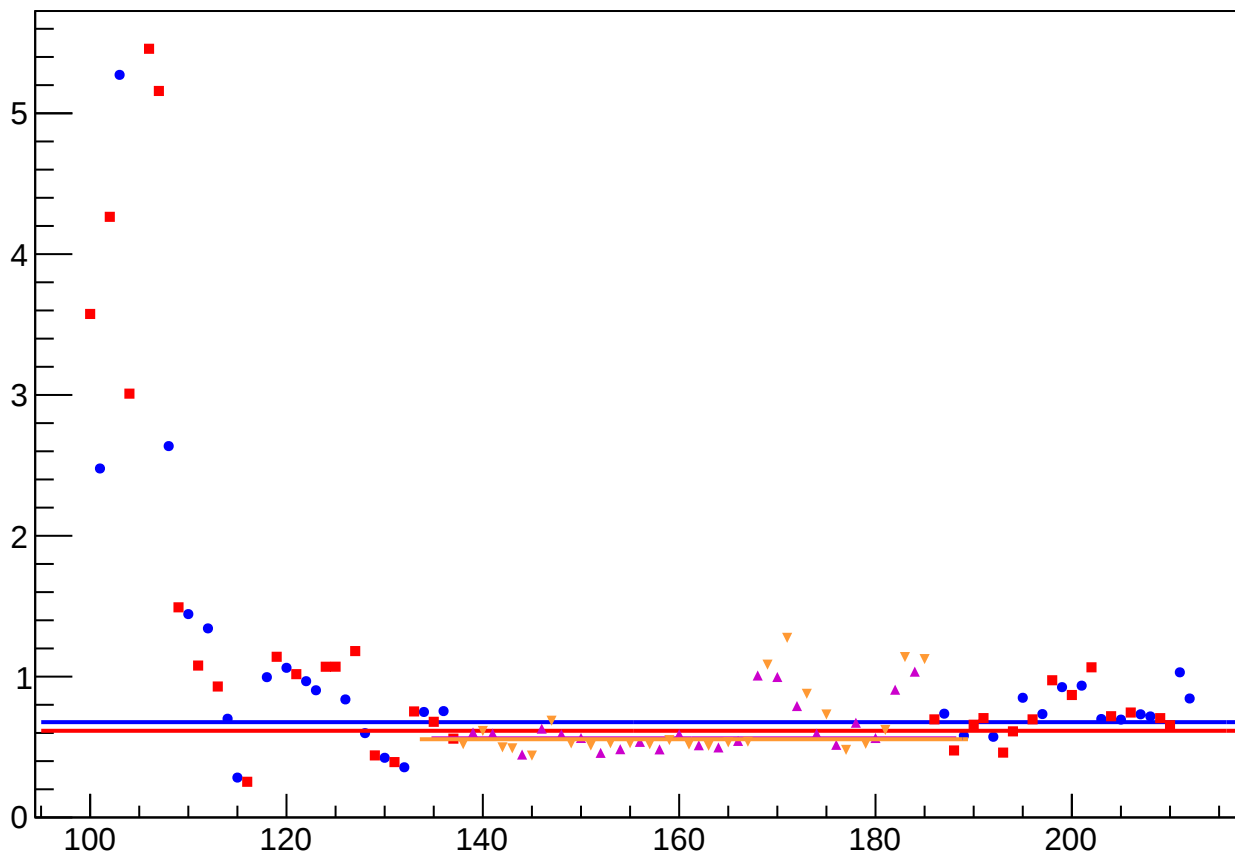
Left In: 149.391+/-0.000 χ^2/NDF :437129920.4/22

+ sign 148.410+/-0.000 χ^2/NDF : 1879818894.4/54

All: 147.370+/-0.000 χ^2/NDF : 6875262972.6

- sign 146.357+/-0.000 χ^2/NDF : 4835531267.5/55

yield_cav4cQ_rms vs Slug



Right In: 0.677 ± 0.000 χ^2/NDF : 4185701.4/29

Left Out: 0.555 ± 0.000 χ^2/NDF :1773380.1/24

Right Out: 0.615 ± 0.000 χ^2/NDF : 5575070.8/32

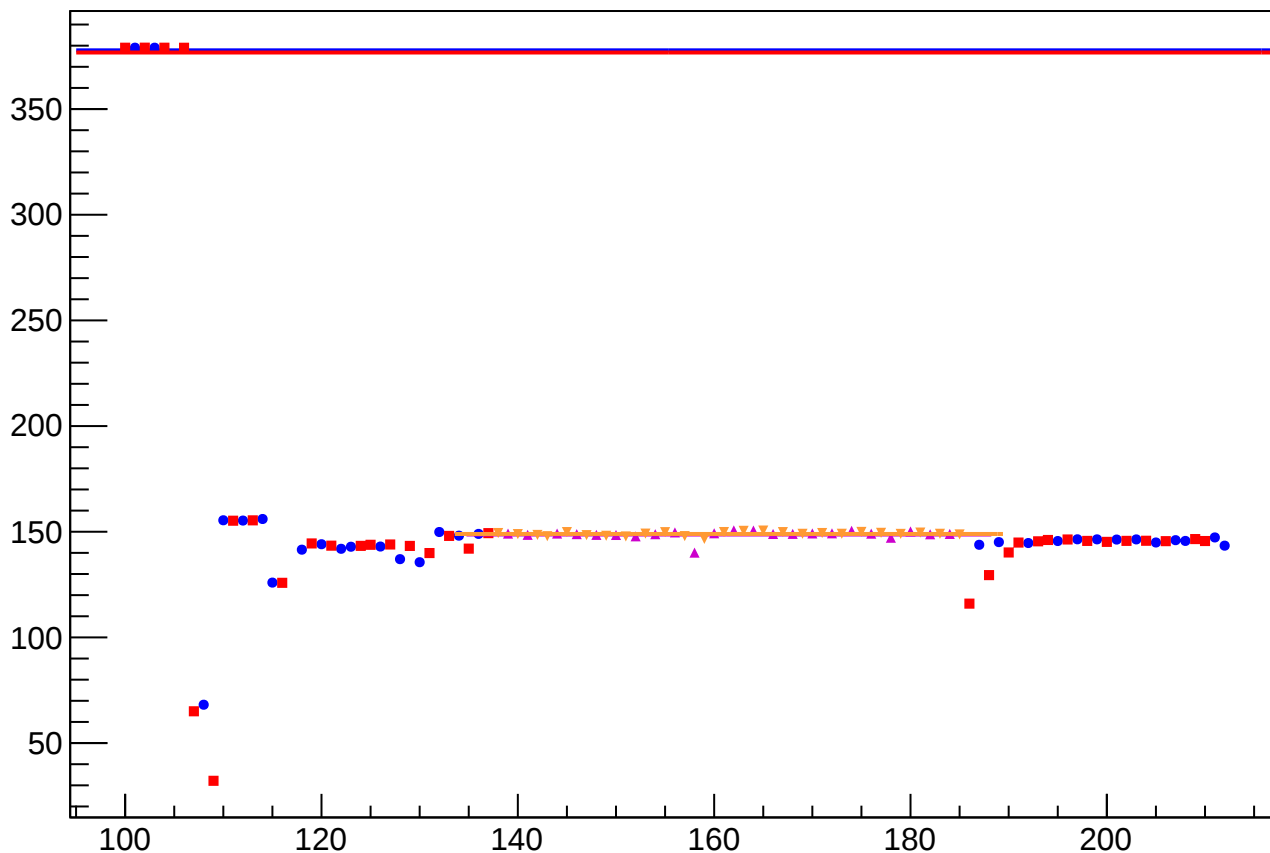
Left In: 0.562 ± 0.000 χ^2/NDF :1311075.2/22

+ sign 0.594 ± 0.000 χ^2/NDF : 6438703.2/54

All: 0.588 ± 0.000 χ^2/NDF : 13438772.0/110

- sign 0.582 ± 0.000 χ^2/NDF : 6989521.2/55

yield_cav4dQ_mean vs Slug



Right In: 377.791 $\pm$ 0.000 χ^2 /NDF: 4030112928763.2/29

Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24

Right Out: 376.768 $\pm$ 0.000 χ^2 /NDF: 10146999140845.0/32

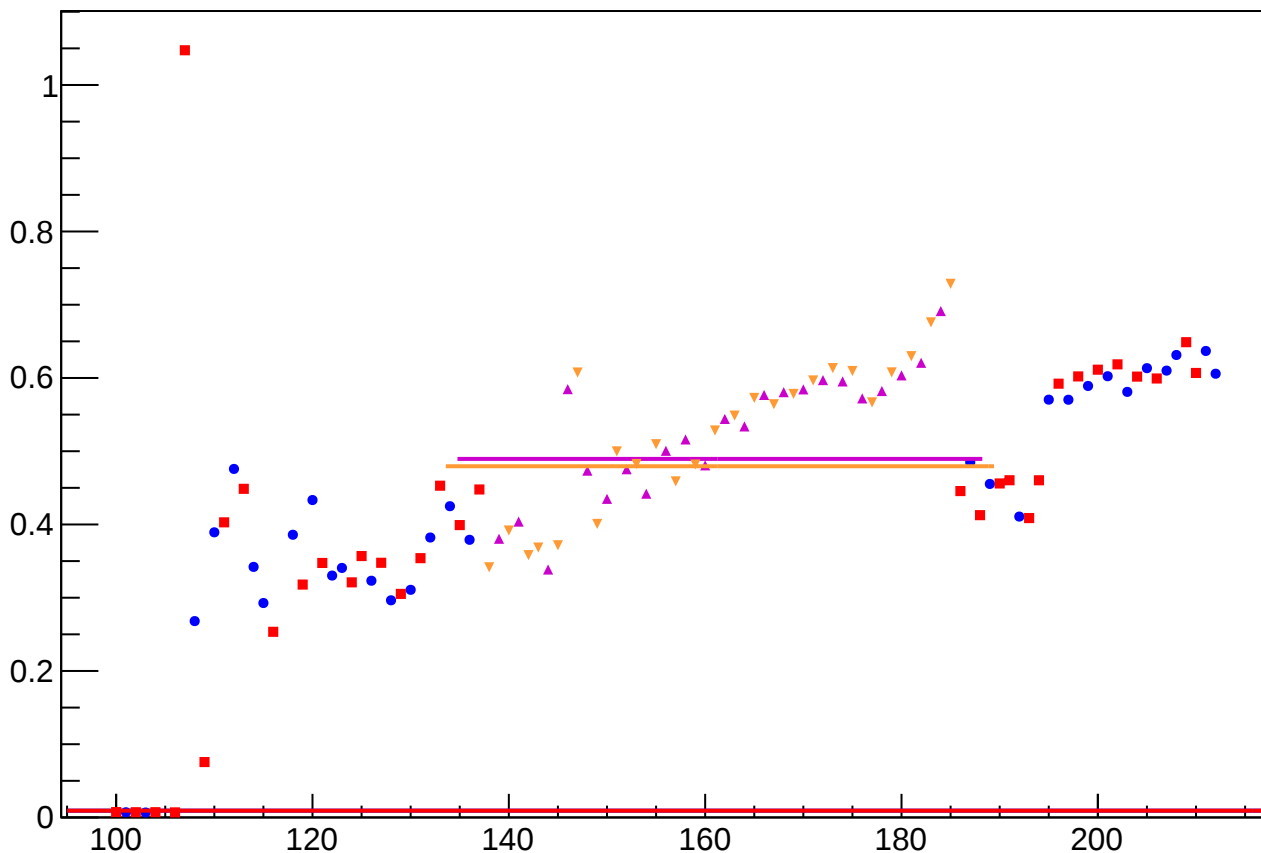
Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22

+ sign 376.515 $\pm$ 0.000 χ^2 /NDF: 7928734002372.7

All: 376.102 $\pm$ 0.000 χ^2 /NDF: 216489496218

- sign 375.740 $\pm$ 0.000 χ^2 /NDF: 13715927002714.4

yield_cav4dQ_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 27017845.6/29

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1518765.9/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 27272811.3/32

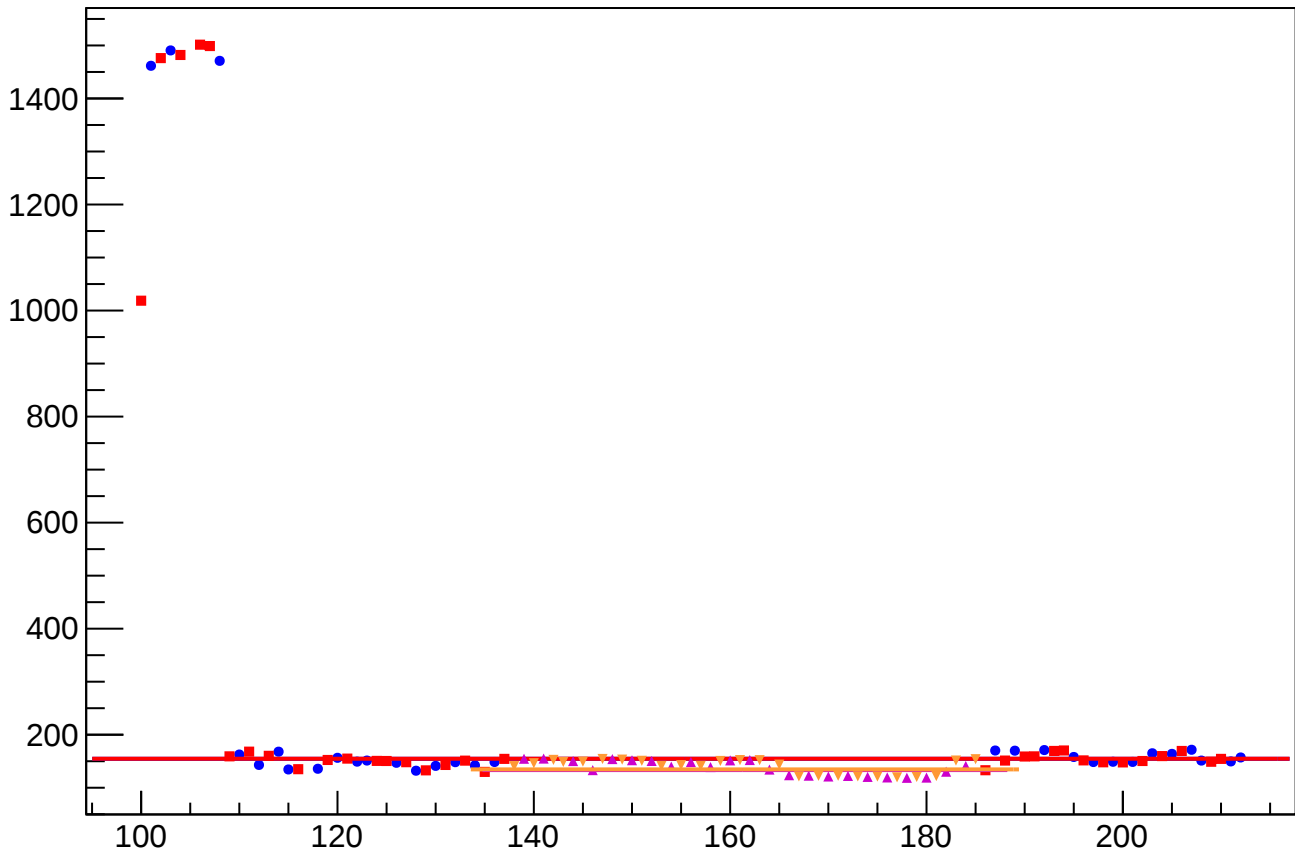
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 61454857.6/54

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 121465017.3/110

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 60006929.9/55

yield_bcm0l02_mean vs Slug



Right In: 154.531+/-0.000 χ^2/NDF : 25958528406.1/29

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 154.695+/-0.000 χ^2/NDF : 35041536400.7/32

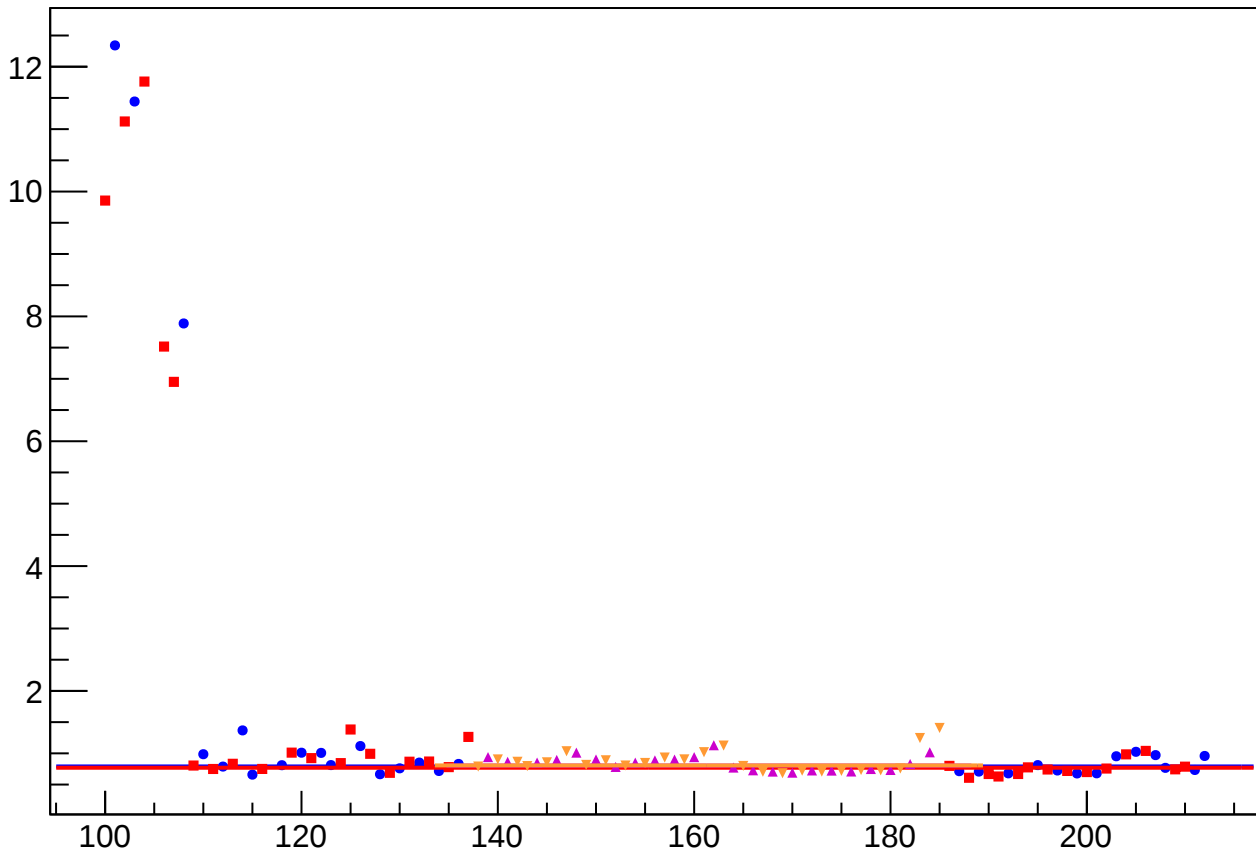
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 143.372+/-0.000 χ^2/NDF : 34506834923.3/54

All: 143.388+/-0.000 χ^2/NDF : 78855052607.1

- sign 143.403+/-0.000 χ^2/NDF : 44348196571.5/55

yield_bcm0l02_rms vs Slug



Right In: 0.790 $\pm$ 0.000 χ^2 /NDF: 3055910.1/29

Left Out: 0.807 $\pm$ 0.000 χ^2 /NDF:704181.3/24

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 3302098.5/32

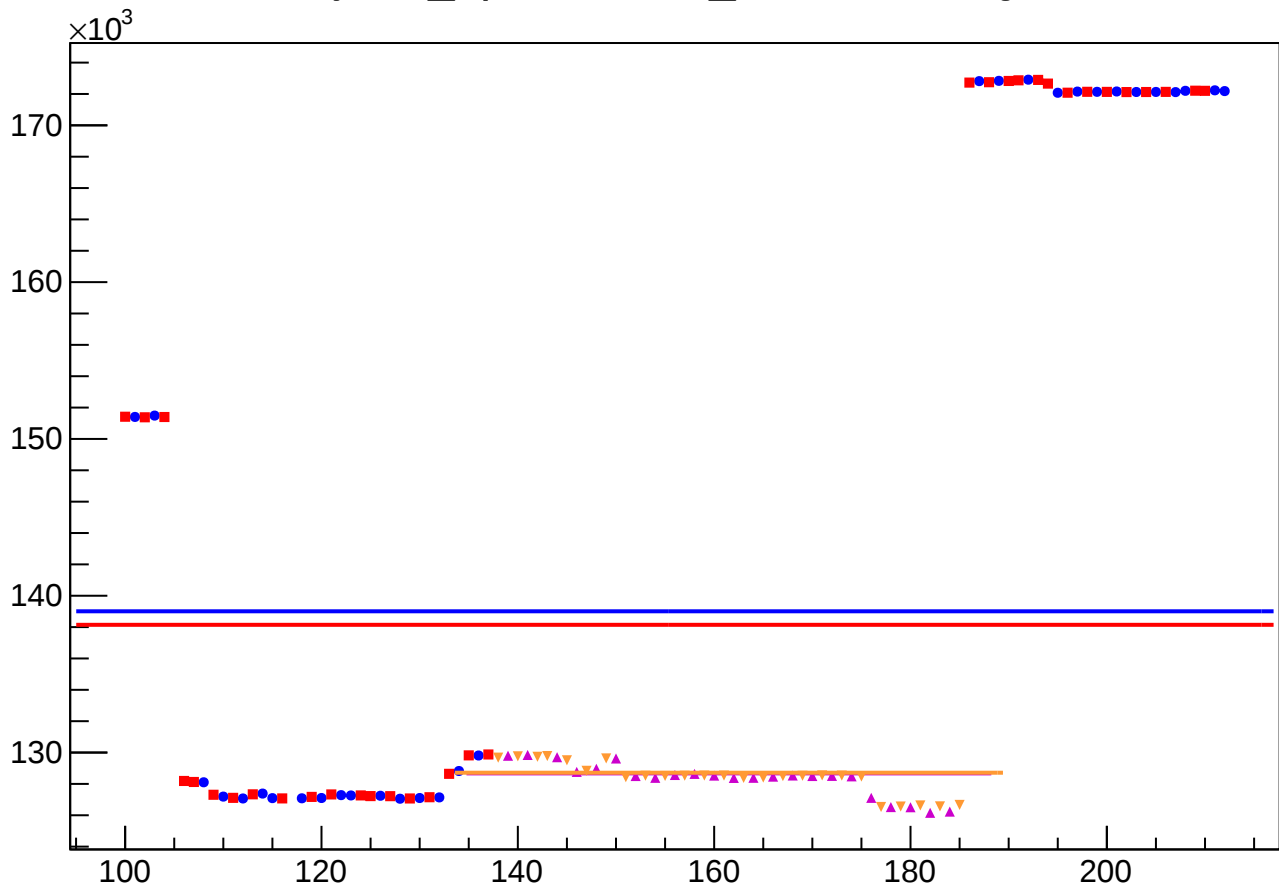
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:479689.4/22

+ sign 0.799 $\pm$ 0.000 χ^2 /NDF: 3765762.4/54

All: 0.794 $\pm$ 0.000 χ^2 /NDF: 7579524.9/110

- sign 0.788 $\pm$ 0.000 χ^2 /NDF: 3808216.0/55

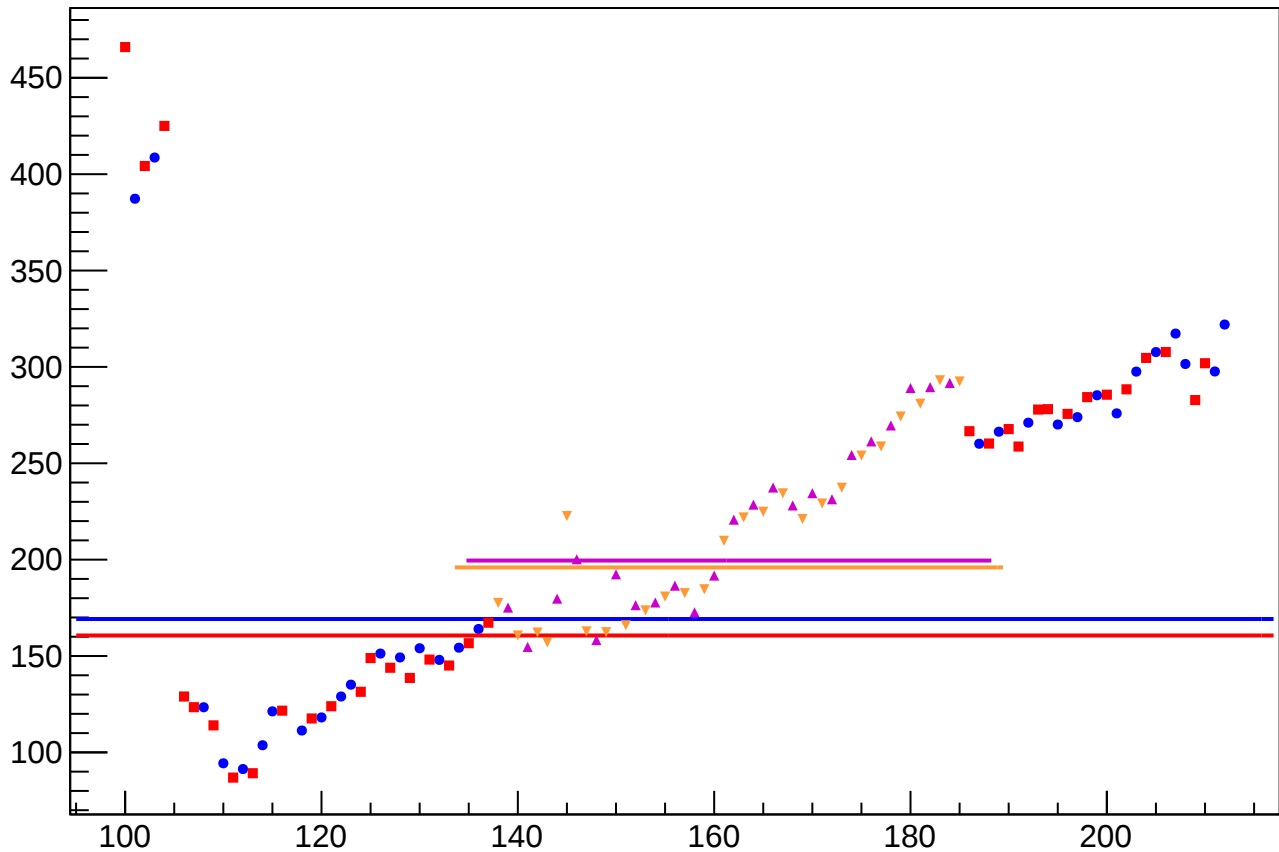
yield_bpm2i01WS_mean vs Slug



Right In: 139008.108 $\pm$ 0.047 χ^2 /NDF: 167165776526.4/29
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 138145.658 $\pm$ 0.044 χ^2 /NDF: 182764711700.5/32
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22

+ sign 133782.088 $\pm$ 0.033 χ^2 /NDF: 191487214607
 All: 133830.093 $\pm$ 0.023 χ^2 /NDF: 395279310
 - sign 133876.772 $\pm$ 0.033 χ^2 /NDF: 203787981510

yield_bpm2i01WS_rms vs Slug



Right In: 169.200 $\pm$ 0.033 χ^2 /NDF: 5716564.1/29

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 160.654 $\pm$ 0.031 χ^2 /NDF: 6077380.7/32

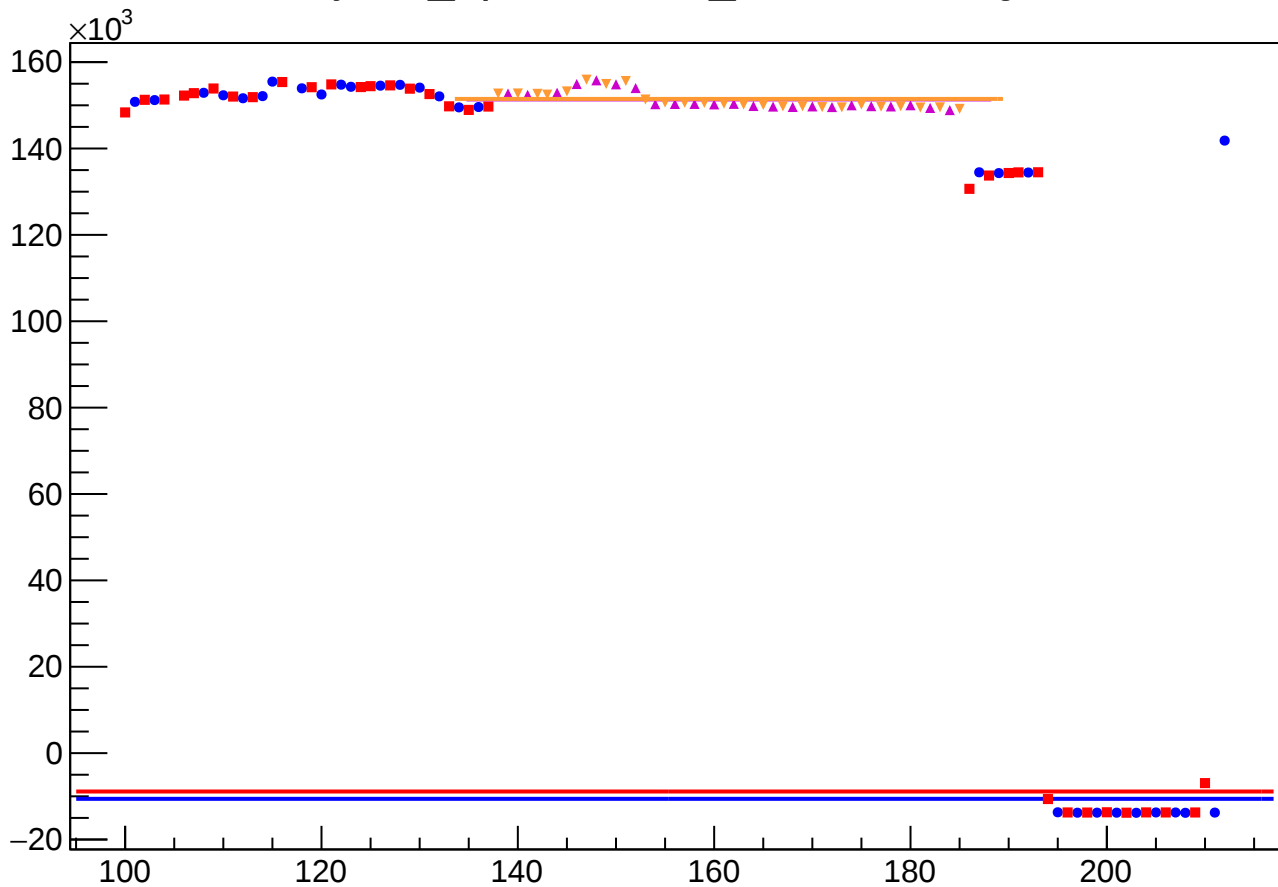
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 182.787 $\pm$ 0.024 χ^2 /NDF: 7356735.1/54

All: 180.445 $\pm$ 0.017 χ^2 /NDF: 15325573.5/11

- sign 178.169 $\pm$ 0.023 χ^2 /NDF: 7949261.7/55

yield_bpm0i07WS_mean vs Slug



Right In: -10582.071 $\pm$ 0.009

χ^2 /NDF: 6047576716921.2/29

Left Out: 151480.339 $\pm$ 0.049

χ^2 /NDF: 1483692735.3/24

Right Out: -8883.791 $\pm$ 0.010

χ^2 /NDF: 7170683740408.3/32

Left In: 151362.440 $\pm$ 0.051

χ^2 /NDF: 1426782789.9/22

+ sign -5171.129 $\pm$ 0.009

χ^2 /NDF: 1642194591124

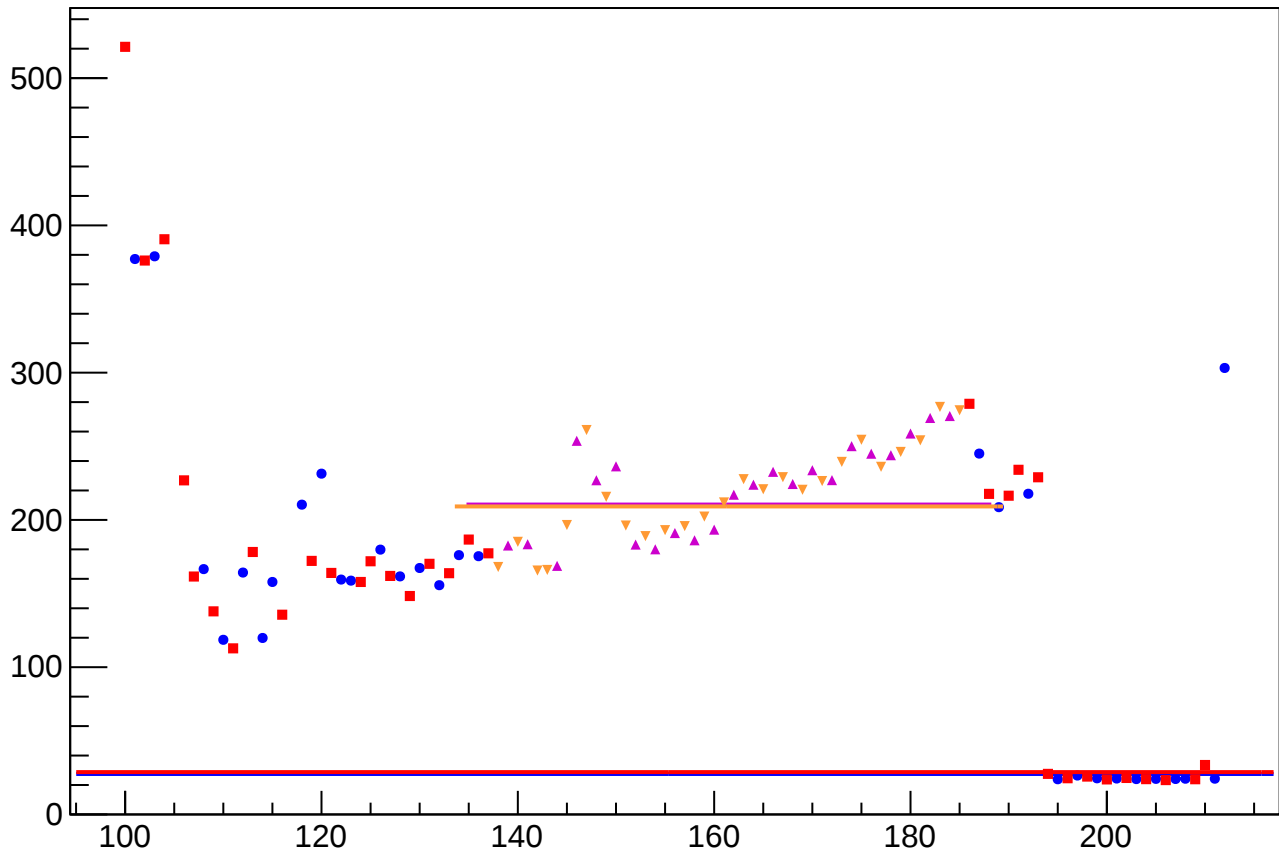
All: -4151.153 $\pm$ 0.007

χ^2 /NDF: 3304545618

- sign -2935.455 $\pm$ 0.010

χ^2 /NDF: 16595604736308

yield_bpm0i07WS_rms vs Slug



Right In: 27.493+/-0.007 χ^2/NDF : 12636230.6/29

Left Out: 209.156+/-0.035 χ^2/NDF : 710094.9/24

Right Out: 28.758+/-0.007 χ^2/NDF : 13526895.5/32

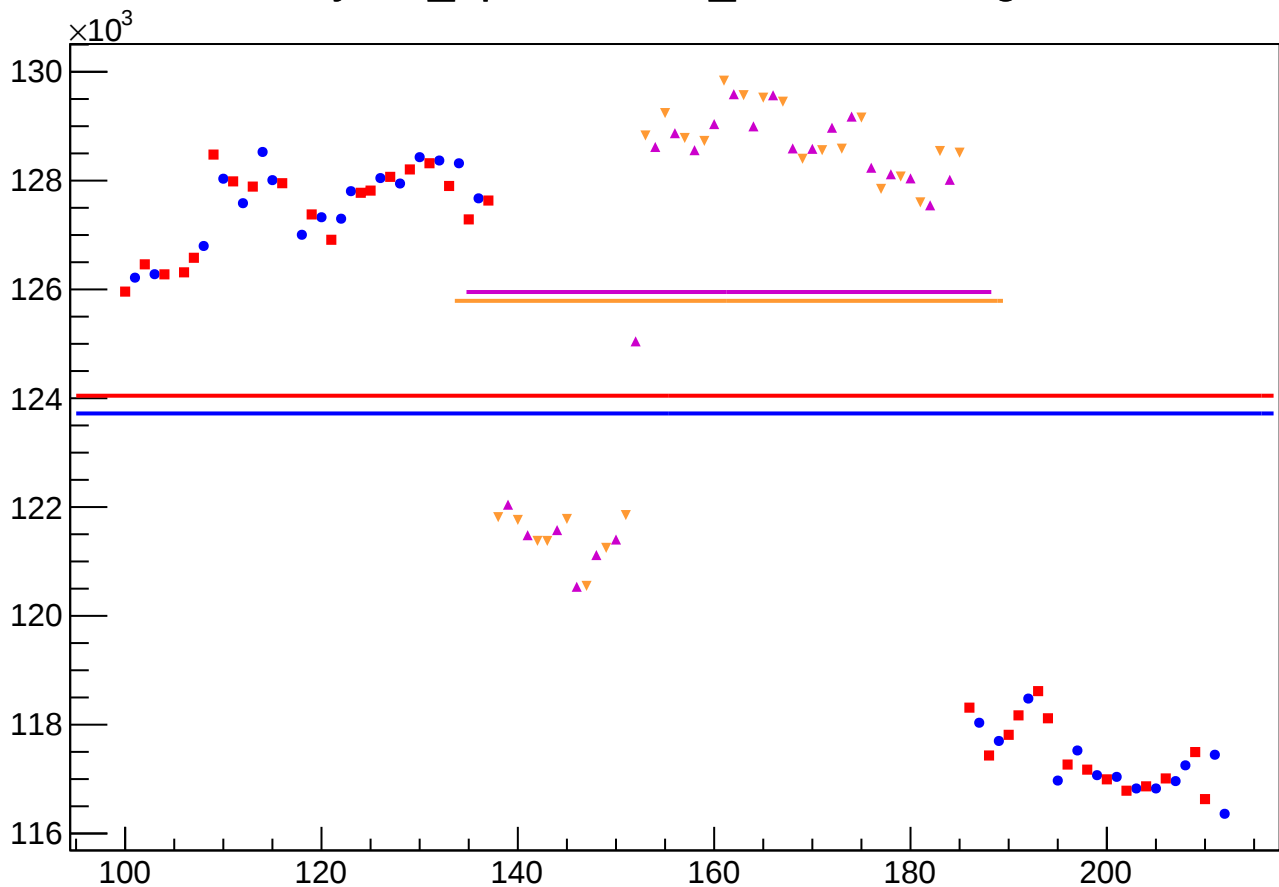
Left In: 210.431+/-0.036 χ^2/NDF : 684015.0/22

+ sign 33.559+/-0.006 χ^2/NDF : 39413518.4/54

All: 34.445+/-0.005 χ^2/NDF : 77890576.1/110

- sign 35.502+/-0.007 χ^2/NDF : 38434910.7/55

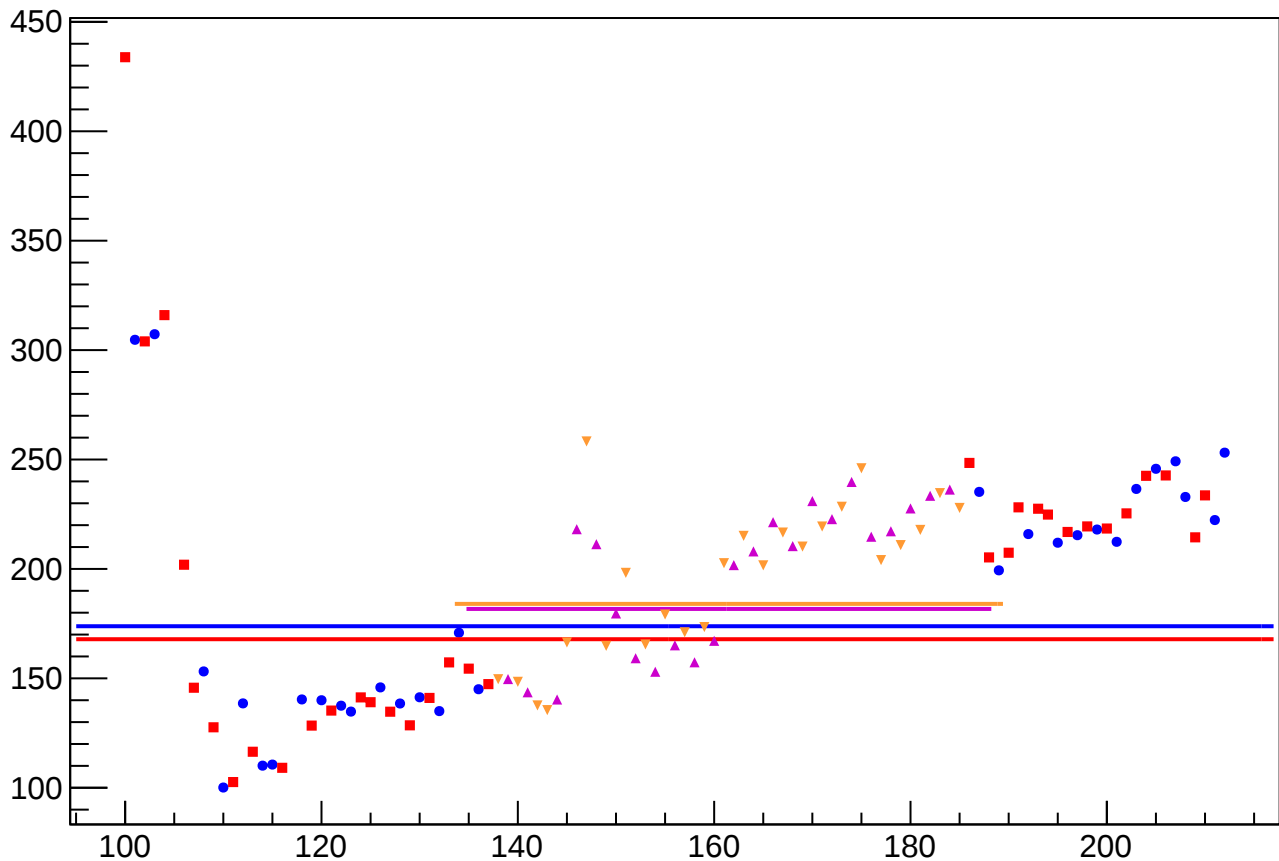
yield_bpm0l01WS_mean vs Slug



Right In: 123720.288 $\pm$ 0.046 χ^2 /NDF: 12402050965.5/29
 Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24
 Right Out: 124046.437 $\pm$ 0.044 χ^2 /NDF: 12920301168.2/32
 Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22

+ sign 124800.324 $\pm$ 0.032 χ^2 /NDF: 20206462477.
 All: 124891.466 $\pm$ 0.022 χ^2 /NDF: 399142030
 - sign 124979.748 $\pm$ 0.031 χ^2 /NDF: 19691524578.6

yield_bpm0l01WS_rms vs Slug



Right In: 173.814 $\pm$ 0.032 χ^2 /NDF: 2447946.5/29

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF: 1126592.5/24

Right Out: 167.879 $\pm$ 0.031 χ^2 /NDF: 2809834.2/32

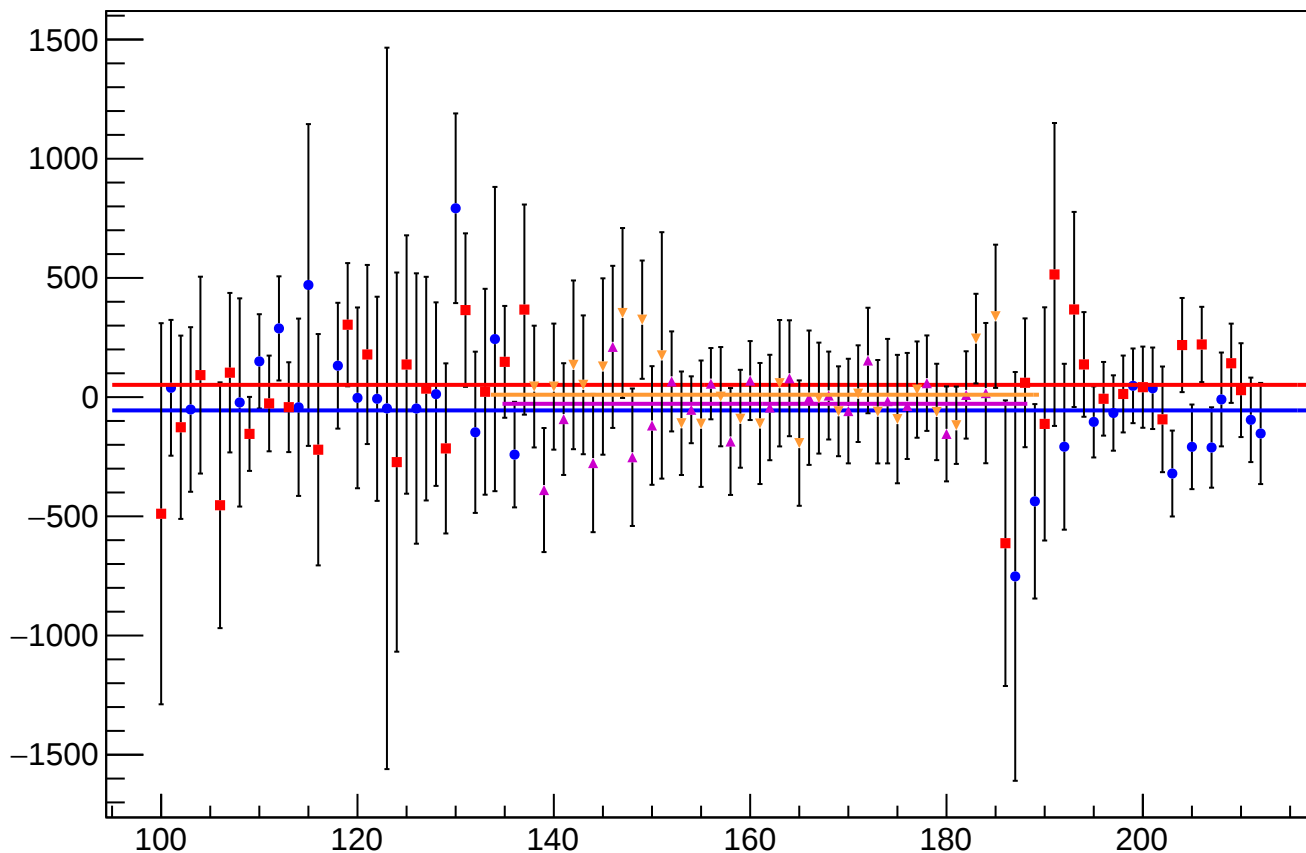
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 179.144 $\pm$ 0.022 χ^2 /NDF: 3626182.5/54

All: 176.863 $\pm$ 0.016 χ^2 /NDF: 7670414.1/110

- sign 174.653 $\pm$ 0.022 χ^2 /NDF: 4023914.5/55

asym_bcm_an_ds_mean vs Slug



Right In: -55.736 ± 44.274 χ^2/NDF : 17.0/29

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 51.449 ± 44.012 χ^2/NDF : 13.0/32

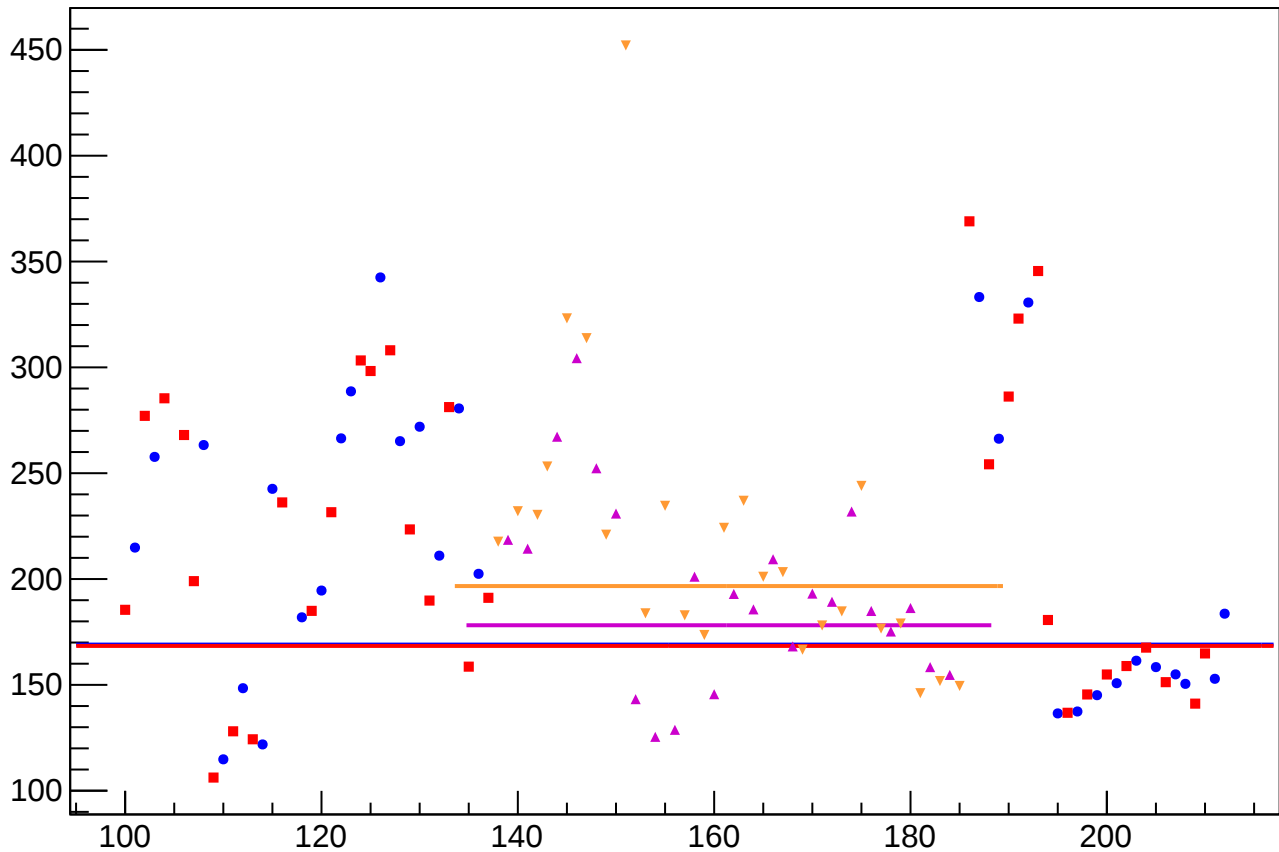
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -25.131 ± 32.383 χ^2/NDF : 26.5/54

All: -5.840 ± 22.512 χ^2/NDF : 48.8/110

- sign 12.203 ± 31.318 χ^2/NDF : 21.6/55

asym_bcm_an_ds_rms vs Slug



Right In: 169.026 $\pm$ 0.031 χ^2 /NDF: 2145730.1/29

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 168.405 $\pm$ 0.031 χ^2 /NDF: 2839514.5/32

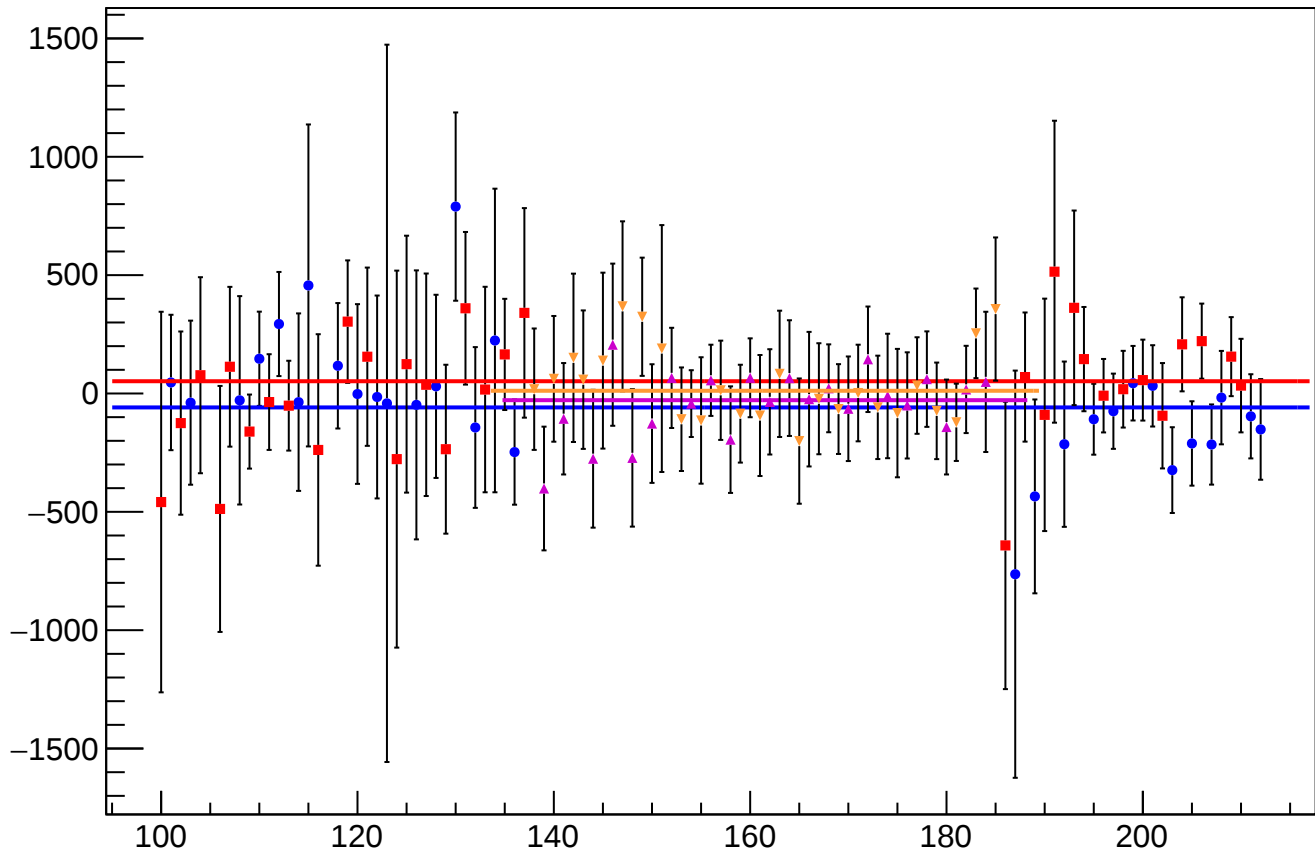
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 181.886 $\pm$ 0.023 χ^2 /NDF: 4291332.0/54

All: 177.410 $\pm$ 0.016 χ^2 /NDF: 8872329.3/110

- sign 173.223 $\pm$ 0.022 χ^2 /NDF: 4507043.4/55

asym_bcm_an_ds3_mean vs Slug



Right In: -58.880 ± 44.476 χ^2/NDF : 16.9/29

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 51.784 ± 44.229 χ^2/NDF : 13.3/32

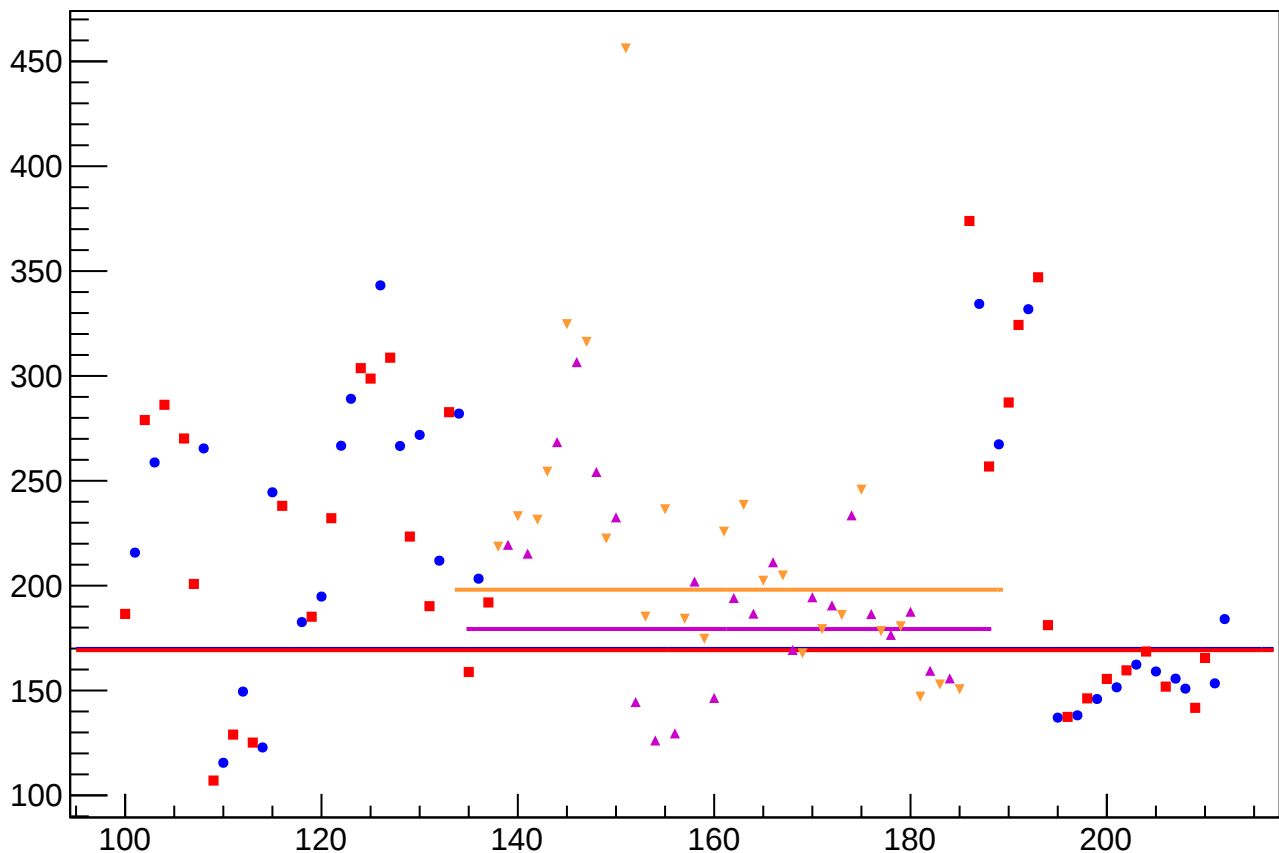
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign -26.246 ± 32.567 χ^2/NDF : 26.9/54

All: -6.317 ± 22.640 χ^2/NDF : 49.7/110

- sign 12.322 ± 31.496 χ^2/NDF : 22.0/55

asym_bcm_an_ds3_rms vs Slug



Right In: 169.816+/-0.031 χ^2/NDF : 2137285.1/29

Left Out: 198.059+/-0.034 χ^2/NDF :1778526.5/24

Right Out: 169.242+/-0.031 χ^2/NDF : 2835593.3/32

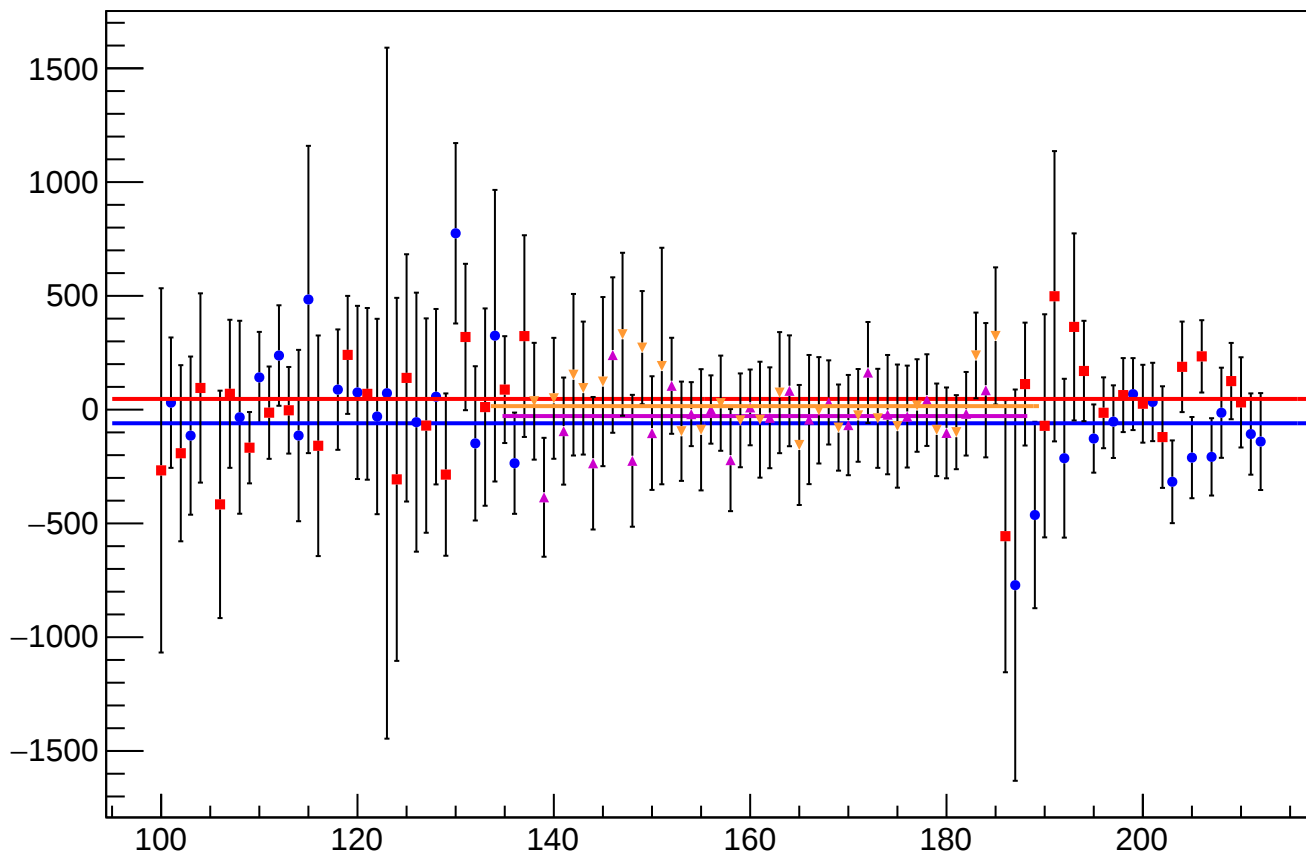
Left In: 179.324+/-0.032 χ^2/NDF :1618266.2/22

+ sign 182.916+/-0.023 χ^2/NDF : 4289869.9/54

All: 178.418+/-0.016 χ^2/NDF : 8868777.7/110

- sign 174.211+/-0.022 χ^2/NDF : 4505078.4/55

asym_bcm_an_us_mean vs Slug



Right In: -59.870 ± 44.562 χ^2/NDF : 16.4/29

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 47.057 ± 44.257 χ^2/NDF : 11.9/32

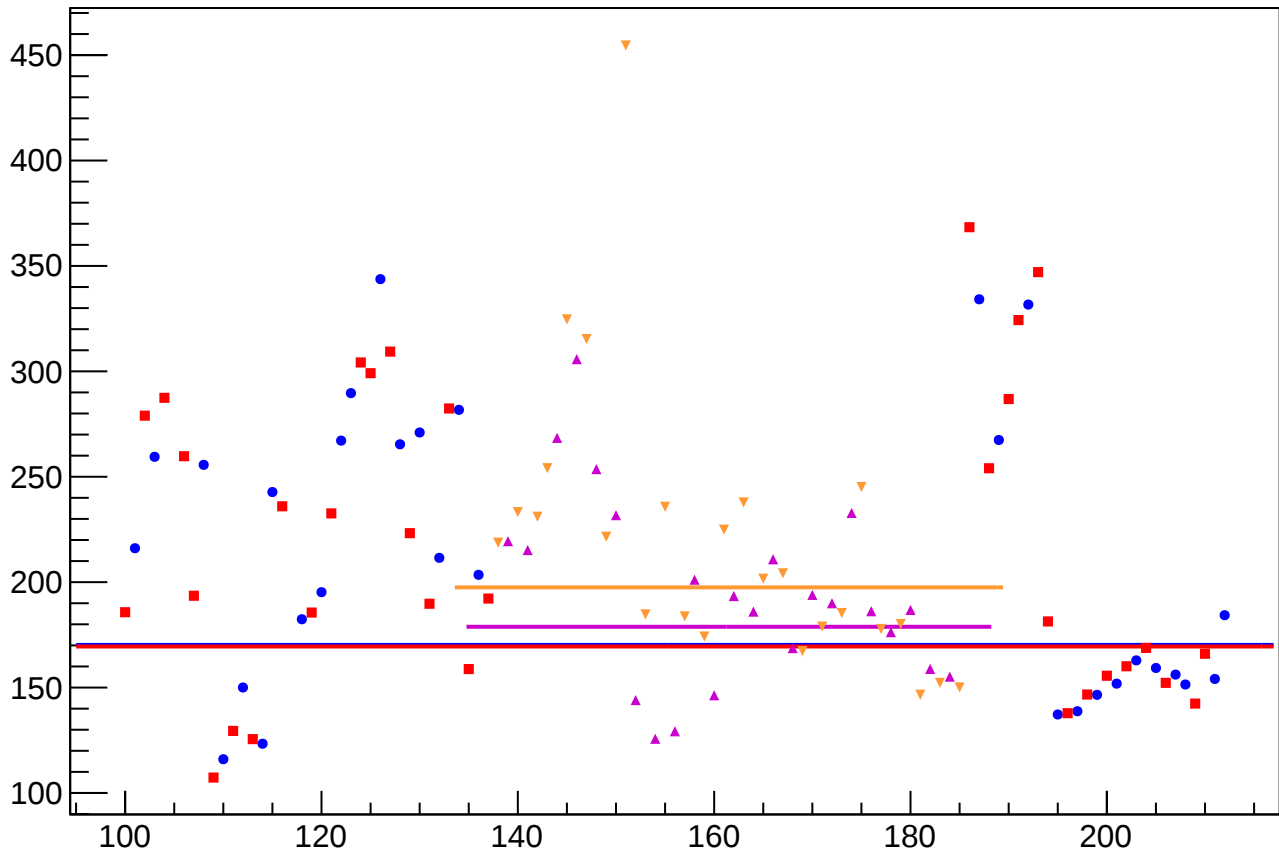
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign -24.771 ± 32.561 χ^2/NDF : 24.7/54

All: -6.893 ± 22.627 χ^2/NDF : 45.0/110

- sign 9.802 ± 31.465 χ^2/NDF : 19.7/55

asym_bcm_an_us_rms vs Slug



Right In: 170.240 $\pm$ 0.032 χ^2 /NDF: 2104530.6/29

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 169.483 $\pm$ 0.031 χ^2 /NDF: 2787867.2/32

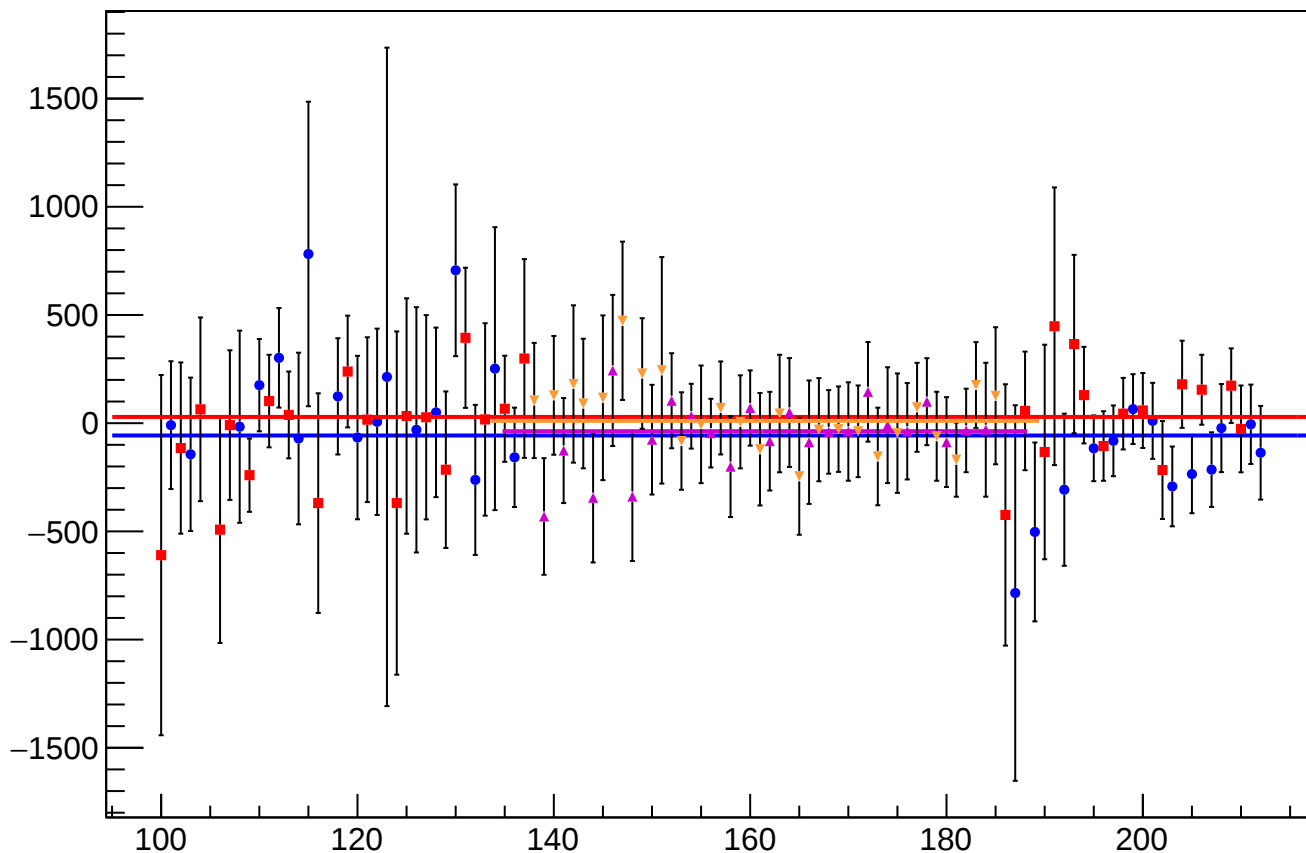
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 182.958 $\pm$ 0.023 χ^2 /NDF: 4238300.7/54

All: 178.381 $\pm$ 0.016 χ^2 /NDF: 8769005.9/110

- sign 174.108 $\pm$ 0.022 χ^2 /NDF: 4454307.6/55

asym_bcm_dg_us_mean vs Slug



Right In: -56.937 ± 45.565 χ^2/NDF : 17.1/29

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 28.895 ± 45.453 χ^2/NDF : 13.8/32

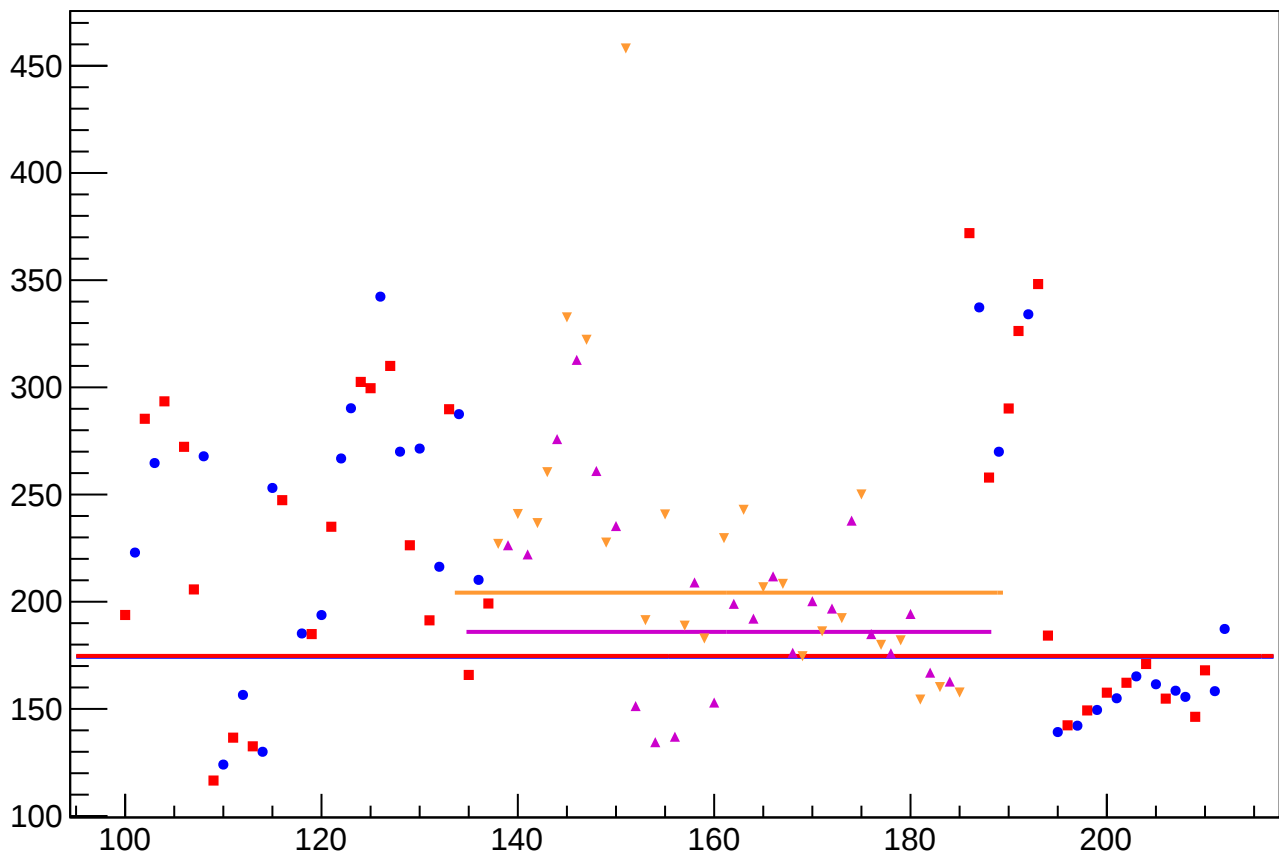
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -25.783 ± 33.430 χ^2/NDF : 25.6/54

All: -14.262 ± 23.286 χ^2/NDF : 48.6/110

- sign -3.403 ± 32.455 χ^2/NDF : 22.7/55

asym_bcm_dg_us_rms vs Slug



Right In: 174.330 $\pm$ 0.032 χ^2 /NDF: 2029109.8/29

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 174.727 $\pm$ 0.032 χ^2 /NDF: 2608482.4/32

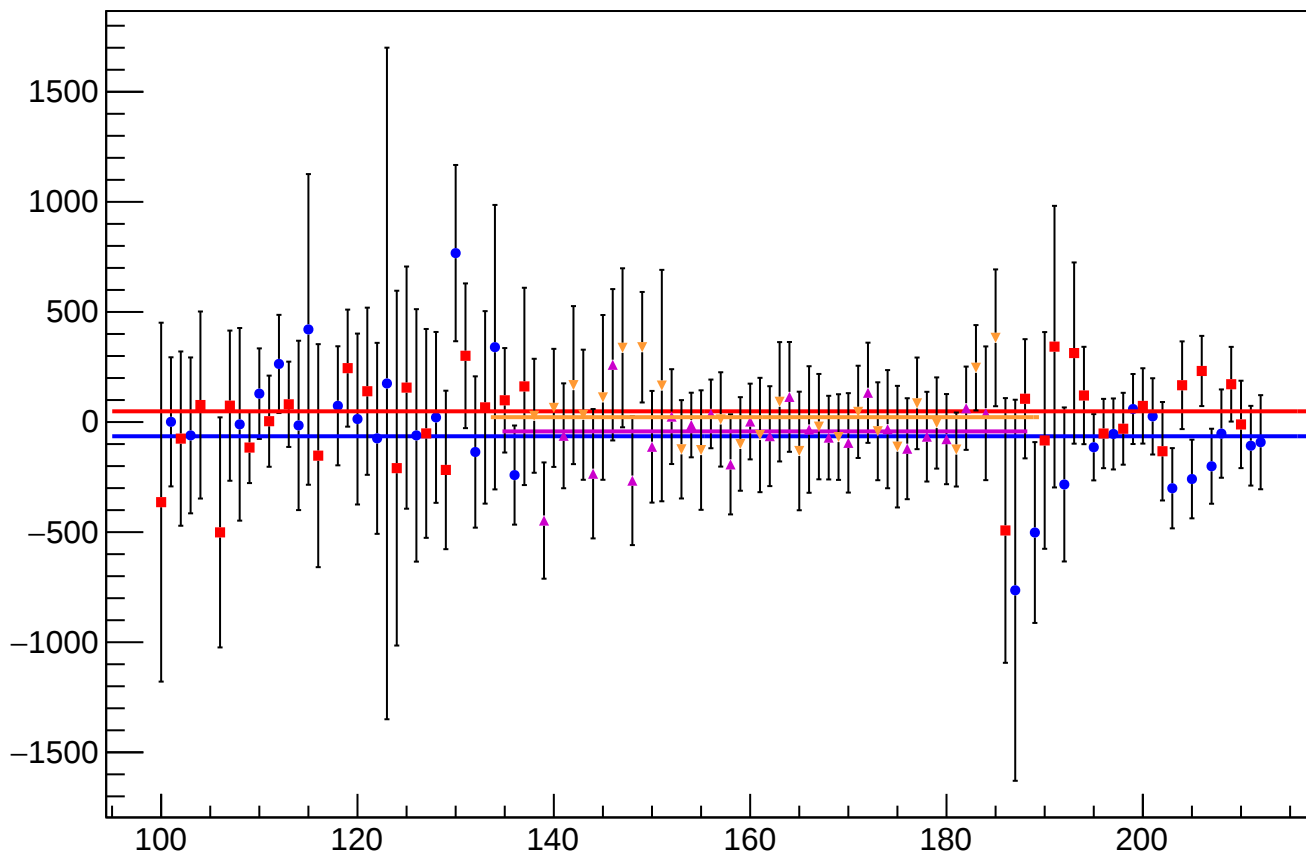
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 188.138 $\pm$ 0.024 χ^2 /NDF: 4102586.1/54

All: 184.062 $\pm$ 0.016 χ^2 /NDF: 8288476.6/110

- sign 180.219 $\pm$ 0.023 χ^2 /NDF: 4128110.6/55

asym_bcm_dg_ds_mean vs Slug



Right In: -64.550 ± 44.986 χ^2/NDF : 16.1/29

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 48.754 ± 44.743 χ^2/NDF : 10.1/32

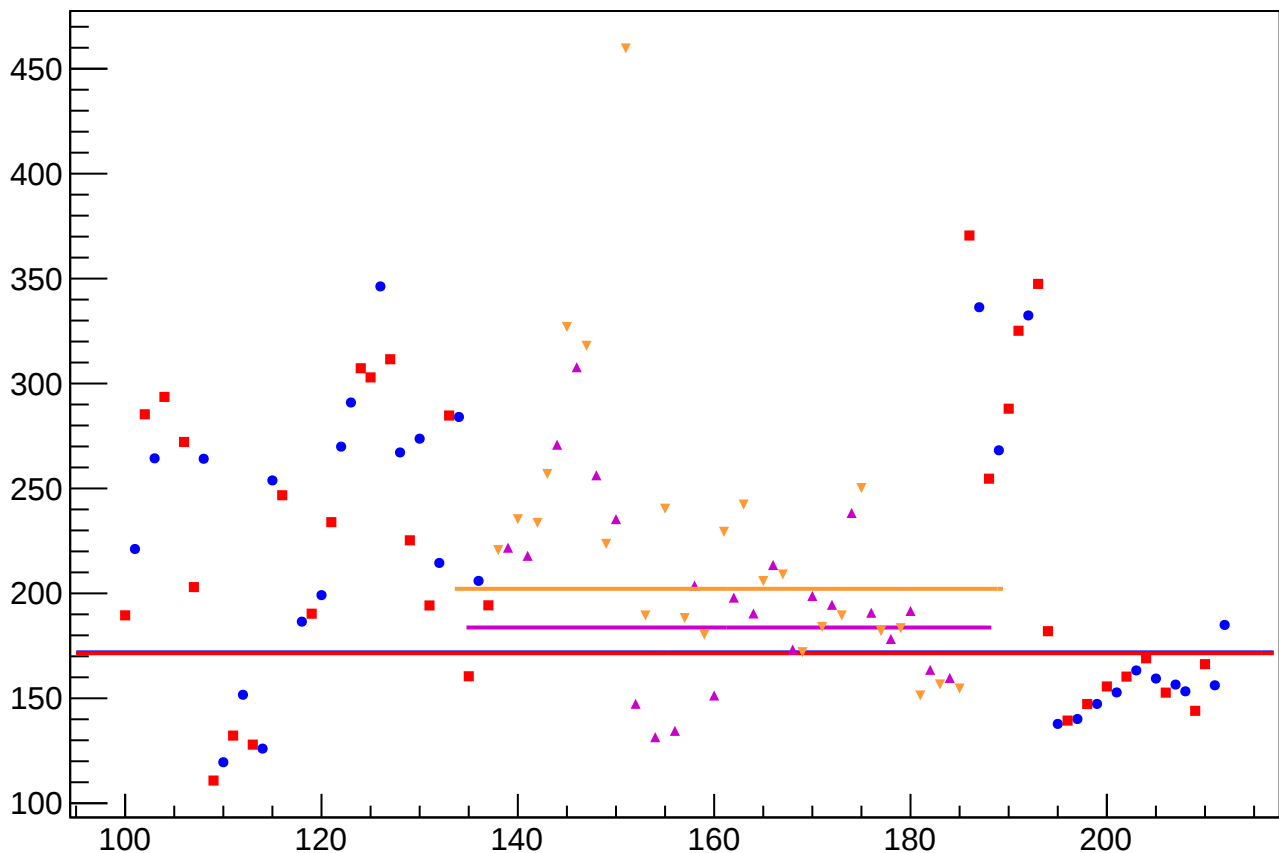
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -24.649 ± 33.057 χ^2/NDF : 26.2/54

All: -9.727 ± 23.002 χ^2/NDF : 45.4/110

- sign 4.278 ± 32.026 χ^2/NDF : 18.8/55

asym_bcm_dg_ds_rms vs Slug



Right In: 171.871+/-0.032 χ^2/NDF : 2111155.0/29

Left Out: 202.186+/-0.034 χ^2/NDF : 1696571.9/24

Right Out: 171.483+/-0.032 χ^2/NDF : 2768199.4/32

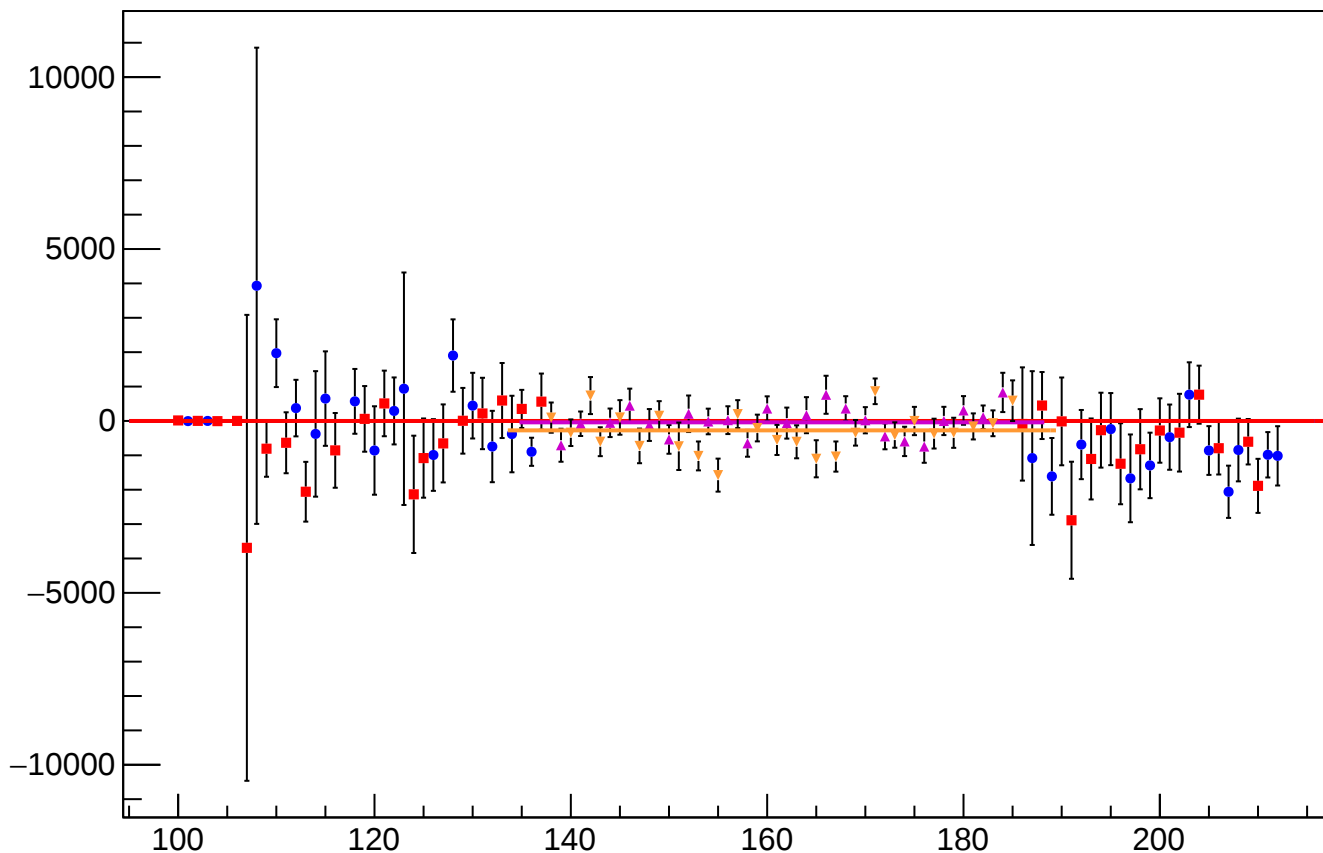
Left In: 183.732+/-0.032 χ^2/NDF : 1495930.4/22

+ sign 185.817+/-0.023 χ^2/NDF : 4225531.6/54

All: 181.504+/-0.016 χ^2/NDF : 8628738.0/110

- sign 177.457+/-0.023 χ^2/NDF : 4337223.4/55

asym_cav4bQ_mean vs Slug



Right In: -1.601 ± 2.251 χ^2/NDF : 37.4/29

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.768 ± 2.111 χ^2/NDF : 32.5/32

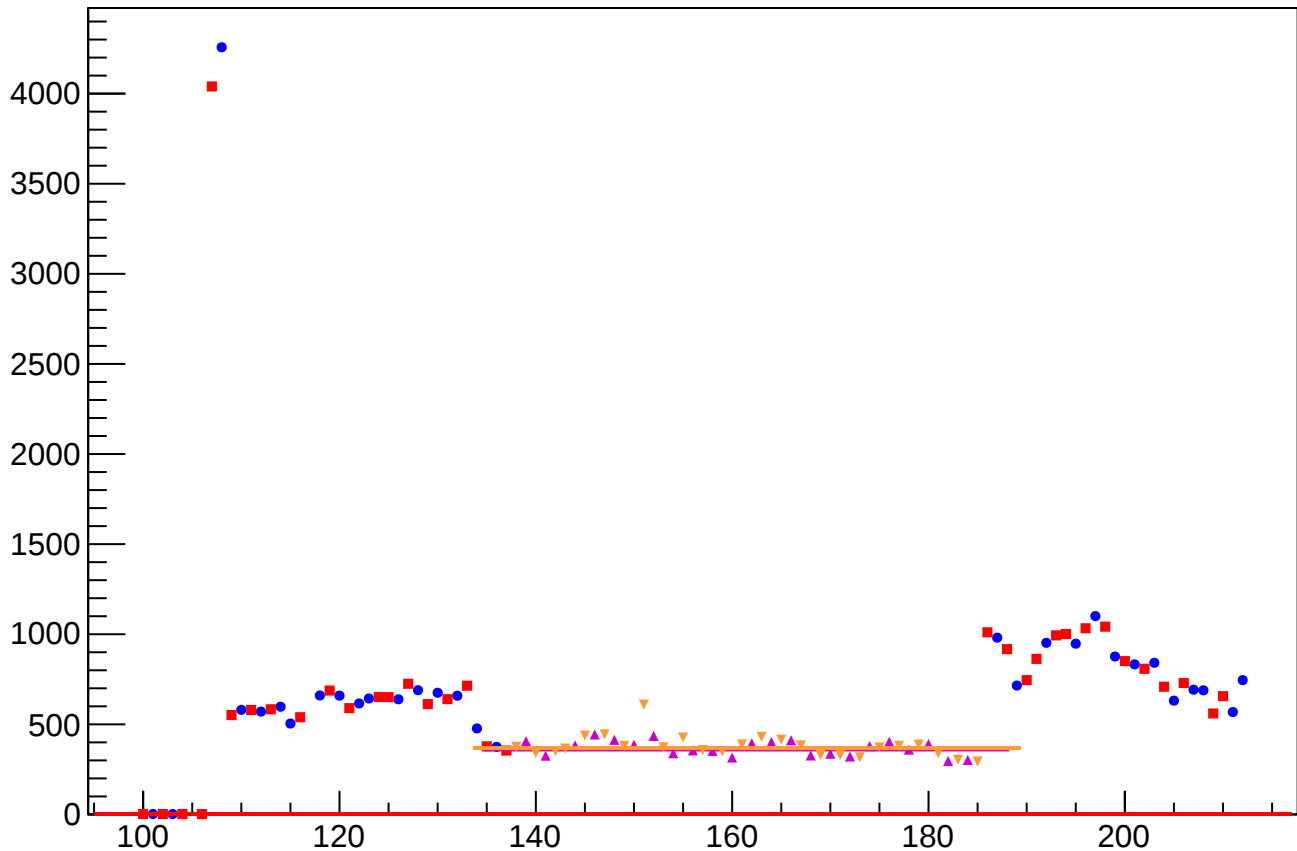
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.784 ± 2.251 χ^2/NDF : 85.5/54

All: -1.256 ± 1.539 χ^2/NDF : 138.5/110

- sign -0.791 ± 2.110 χ^2/NDF : 52.9/55

asym_cav4bQ_rms vs Slug



Right In: 2.515 $\pm$ 0.002 χ^2 /NDF: 28788699.9/29

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.487 $\pm$ 0.001 χ^2 /NDF: 29687900.1/32

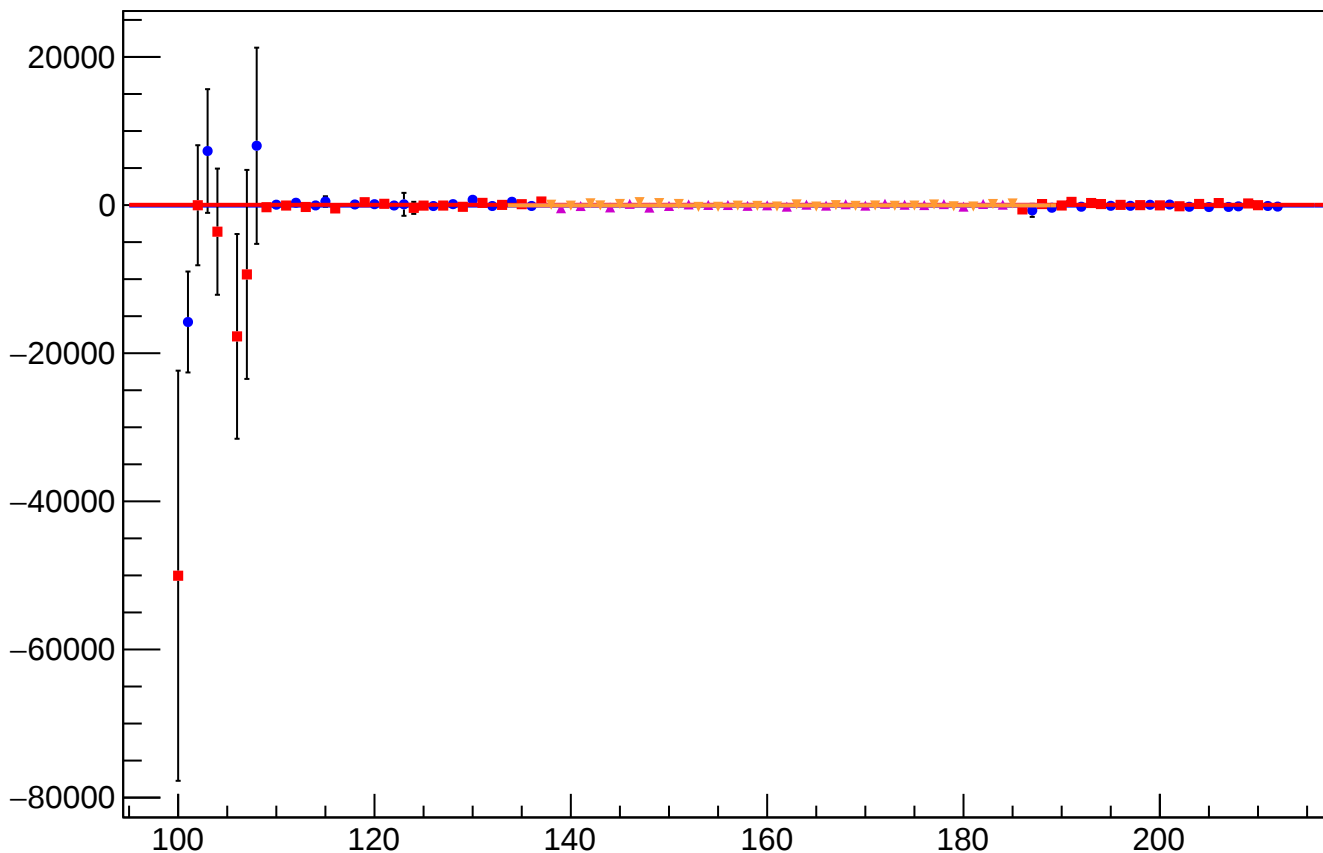
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.760 $\pm$ 0.002 χ^2 /NDF: 64887604.2/54

All: 2.726 $\pm$ 0.001 χ^2 /NDF: 128497258.3/110

- sign 2.695 $\pm$ 0.001 χ^2 /NDF: 63608768.1/55

asym_cav4cQ_mean vs Slug



Right In: -67.634 ± 49.048 χ^2/NDF : 20.9/29

Left Out: -39.036 ± 49.576 χ^2/NDF : 9.1/24

Right Out: 37.467 ± 49.568 χ^2/NDF : 21.2/32

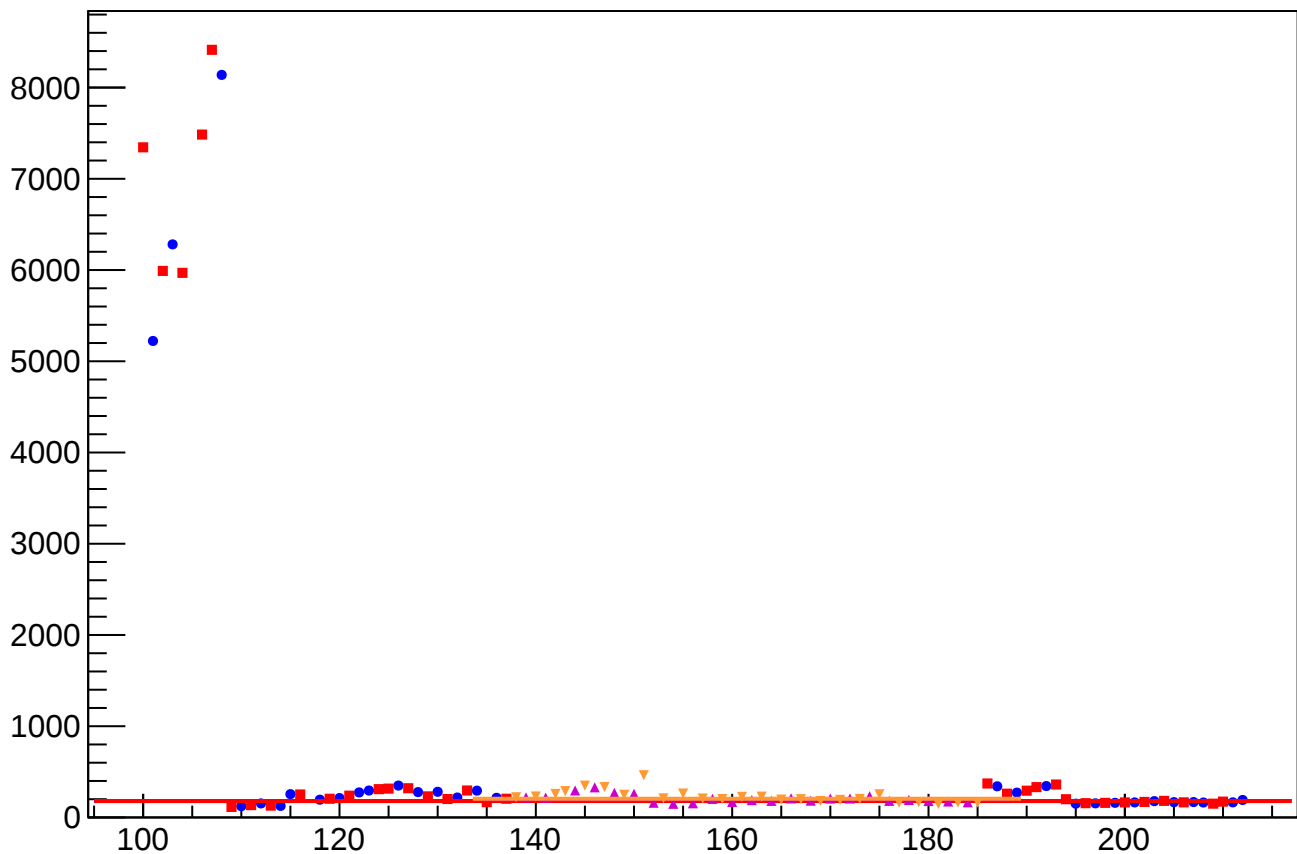
Left In: -28.062 ± 48.032 χ^2/NDF : 9.6/22

+ sign -53.488 ± 34.867 χ^2/NDF : 30.2/54

All: -24.600 ± 24.522 χ^2/NDF : 63.2/110

- sign 3.672 ± 34.494 χ^2/NDF : 31.7/55

asym_cav4cQ_rms vs Slug



Right In: 179.737 $\pm$ 0.035 χ^2 /NDF: 4535186.8/29

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF:1957484.4/24

Right Out: 180.393 $\pm$ 0.035 χ^2 /NDF: 5417163.0/32

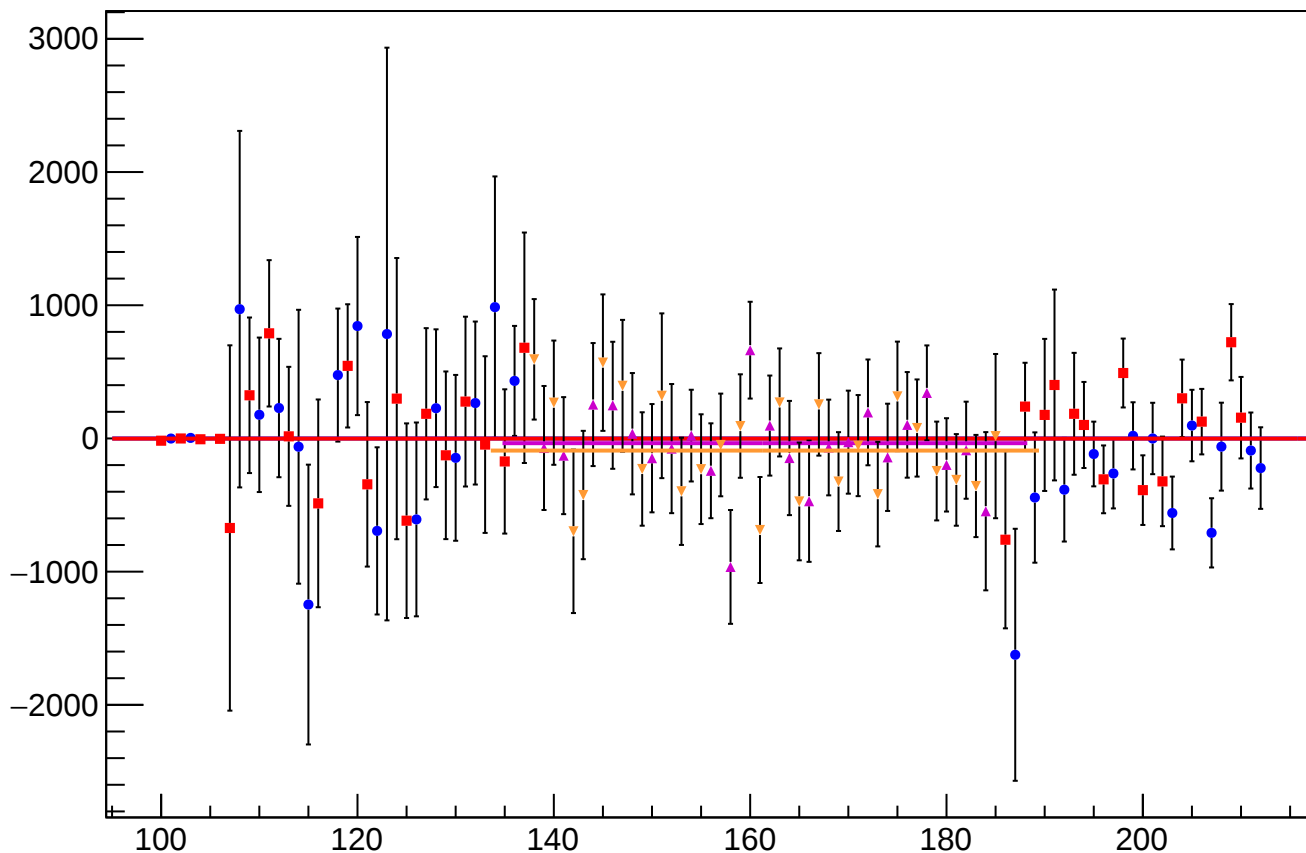
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 192.289 $\pm$ 0.025 χ^2 /NDF: 6757500.8/54

All: 189.724 $\pm$ 0.017 χ^2 /NDF: 13448963.6/13

- sign 187.213 $\pm$ 0.024 χ^2 /NDF: 6670035.7/55

asym_cav4dQ_mean vs Slug



Right In: -0.238 ± 1.736 χ^2/NDF : 28.5/29

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.286 ± 1.622 χ^2/NDF : 28.0/32

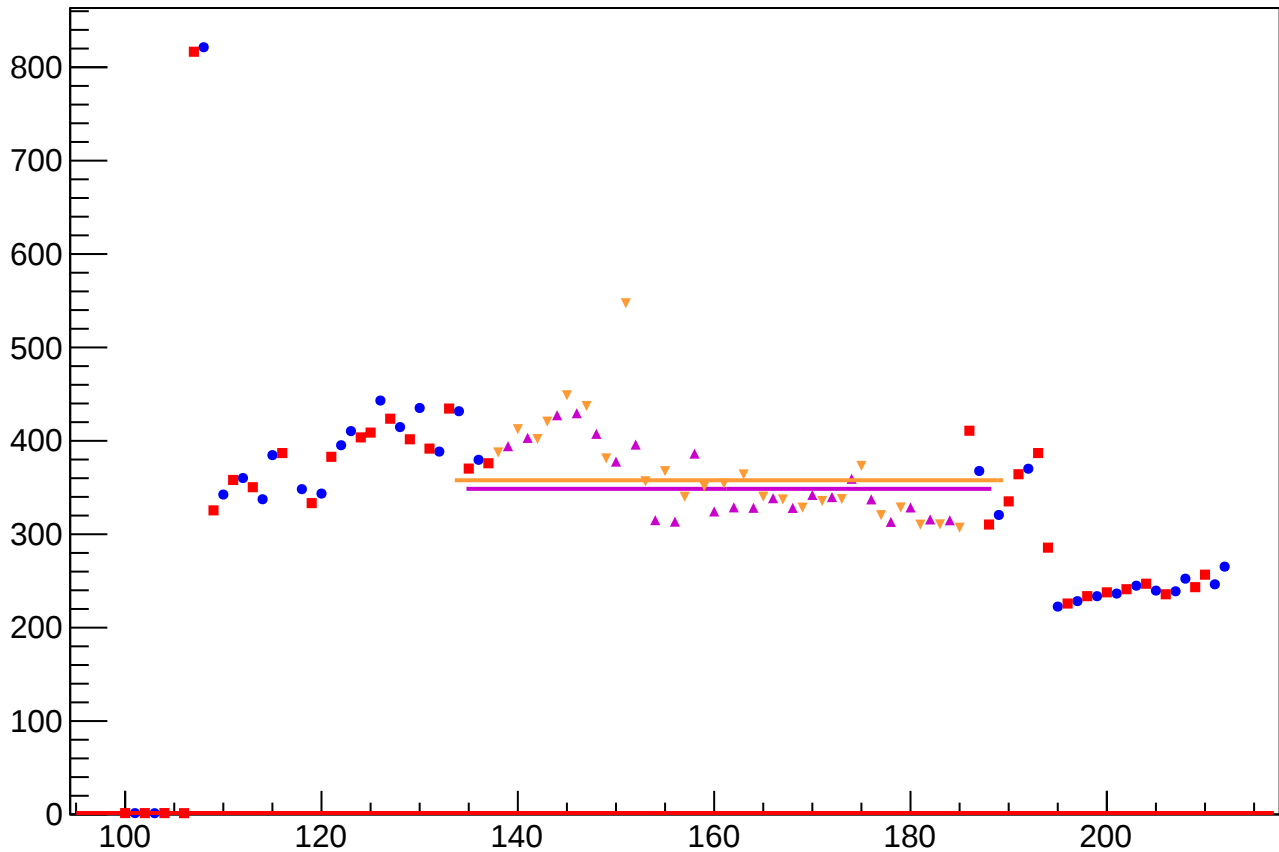
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.277 ± 1.736 χ^2/NDF : 46.1/54

All: -0.822 ± 1.185 χ^2/NDF : 87.9/110

- sign -1.298 ± 1.622 χ^2/NDF : 41.6/55

asym_cav4dQ_rms vs Slug



Right In: 1.562 $\pm$ 0.001 χ^2 /NDF: 29048244.0/29

Left Out: 357.804 $\pm$ 0.059 χ^2 /NDF: 547036.5/24

Right Out: 1.543 $\pm$ 0.001 χ^2 /NDF: 29392602.9/32

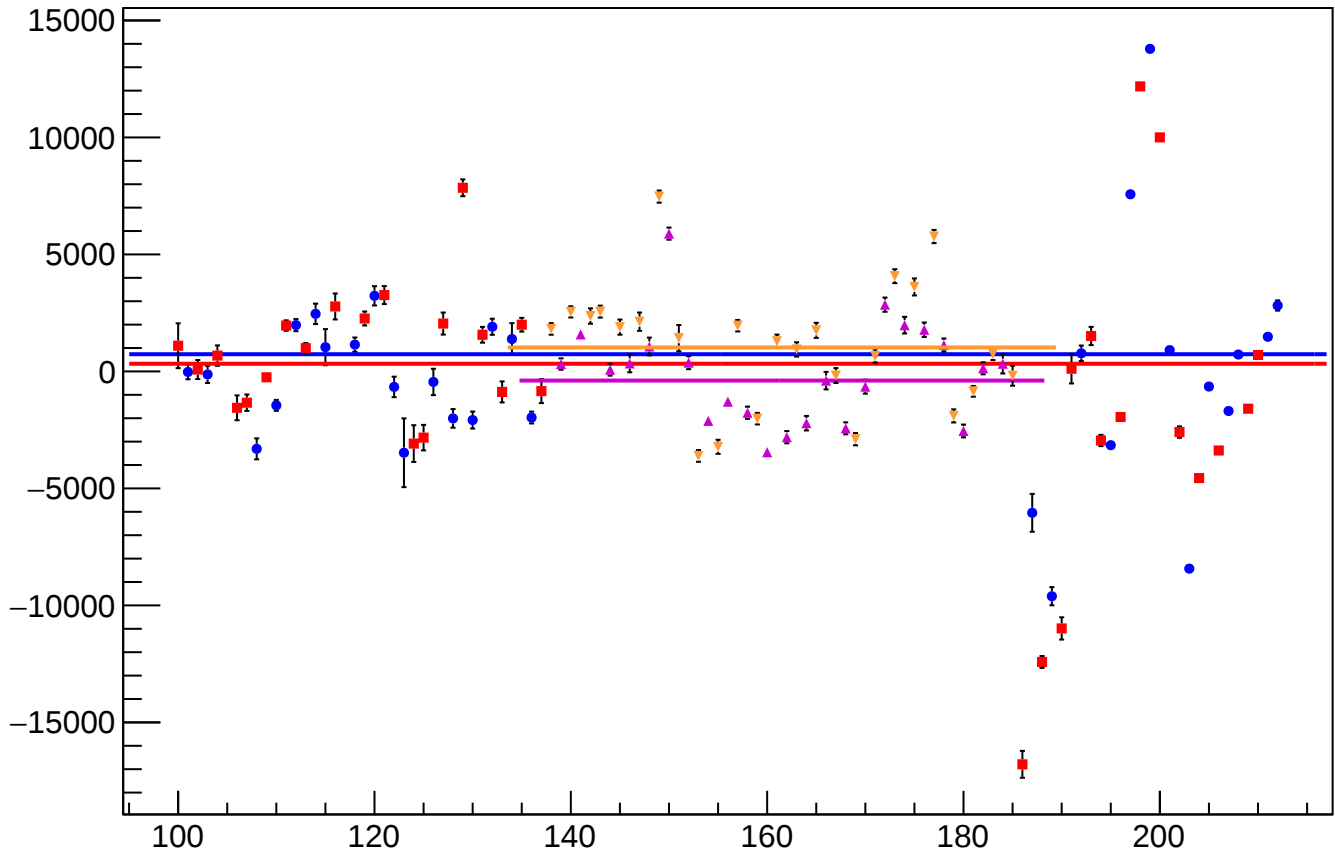
Left In: 348.611 $\pm$ 0.060 χ^2 /NDF: 362511.2/22

+ sign 1.713 $\pm$ 0.001 χ^2 /NDF: 65484660.4/54

All: 1.691 $\pm$ 0.001 χ^2 /NDF: 129062073.4/110

- sign 1.671 $\pm$ 0.001 χ^2 /NDF: 63576786.3/55

asym_bcm0l02_mean vs Slug



Right In: 735.759 $\pm$ 48.775 χ^2 /NDF: 11123.1/29

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF: 2309.4/24

Right Out: 327.673 $\pm$ 48.335 χ^2 /NDF: 13327.6/32

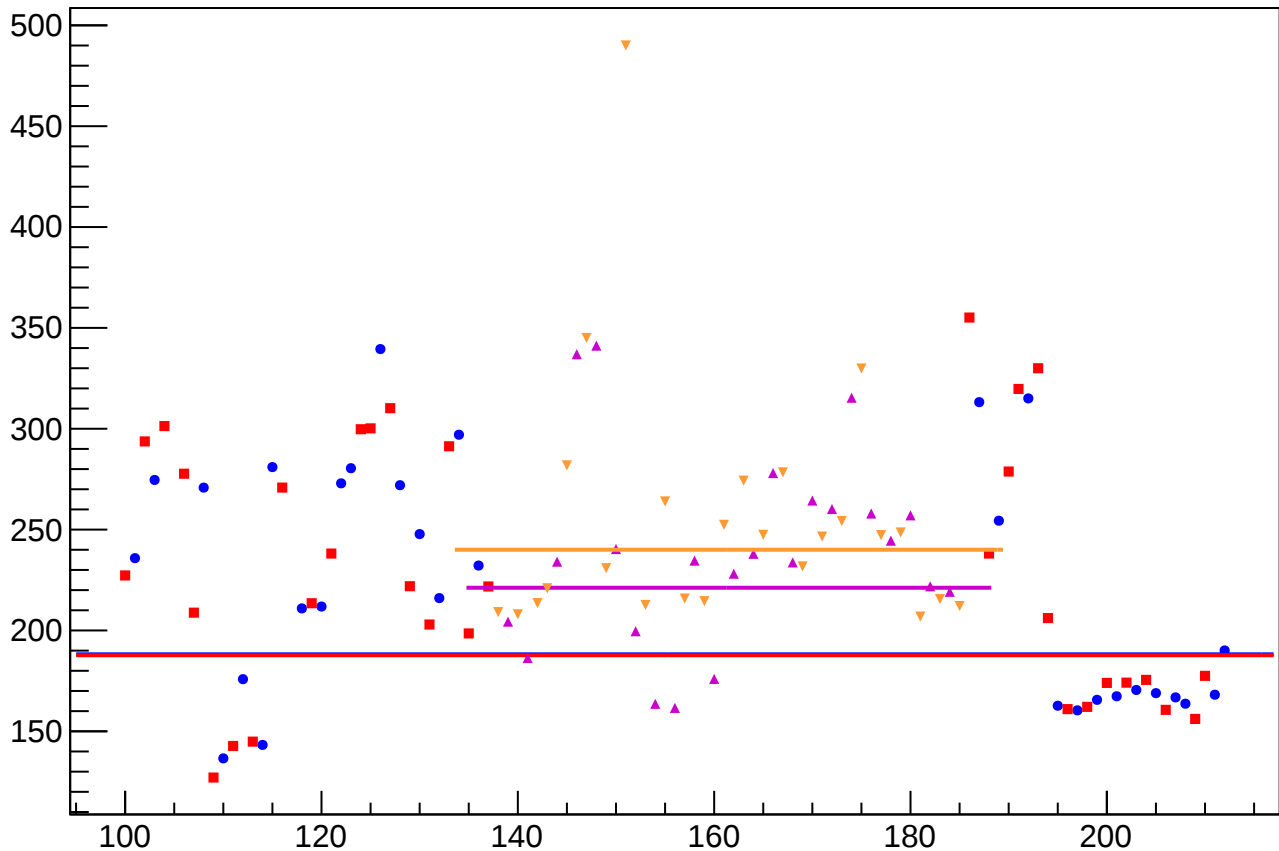
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF: 1584.9/22

+ sign 856.536 $\pm$ 37.152 χ^2 /NDF: 13447.0/54

All: 425.549 $\pm$ 25.959 χ^2 /NDF: 28718.8/110

- sign 14.390 $\pm$ 36.287 χ^2 /NDF: 15008.8/55

asym_bcm0l02_rms vs Slug



Right In: 188.153+/-0.034 χ^2/NDF : 1542576.2/29

Left Out: 240.019+/-0.041 χ^2/NDF :1002427.9/24

+ sign 209.928+/-0.026 χ^2/NDF : 3494445.0/54

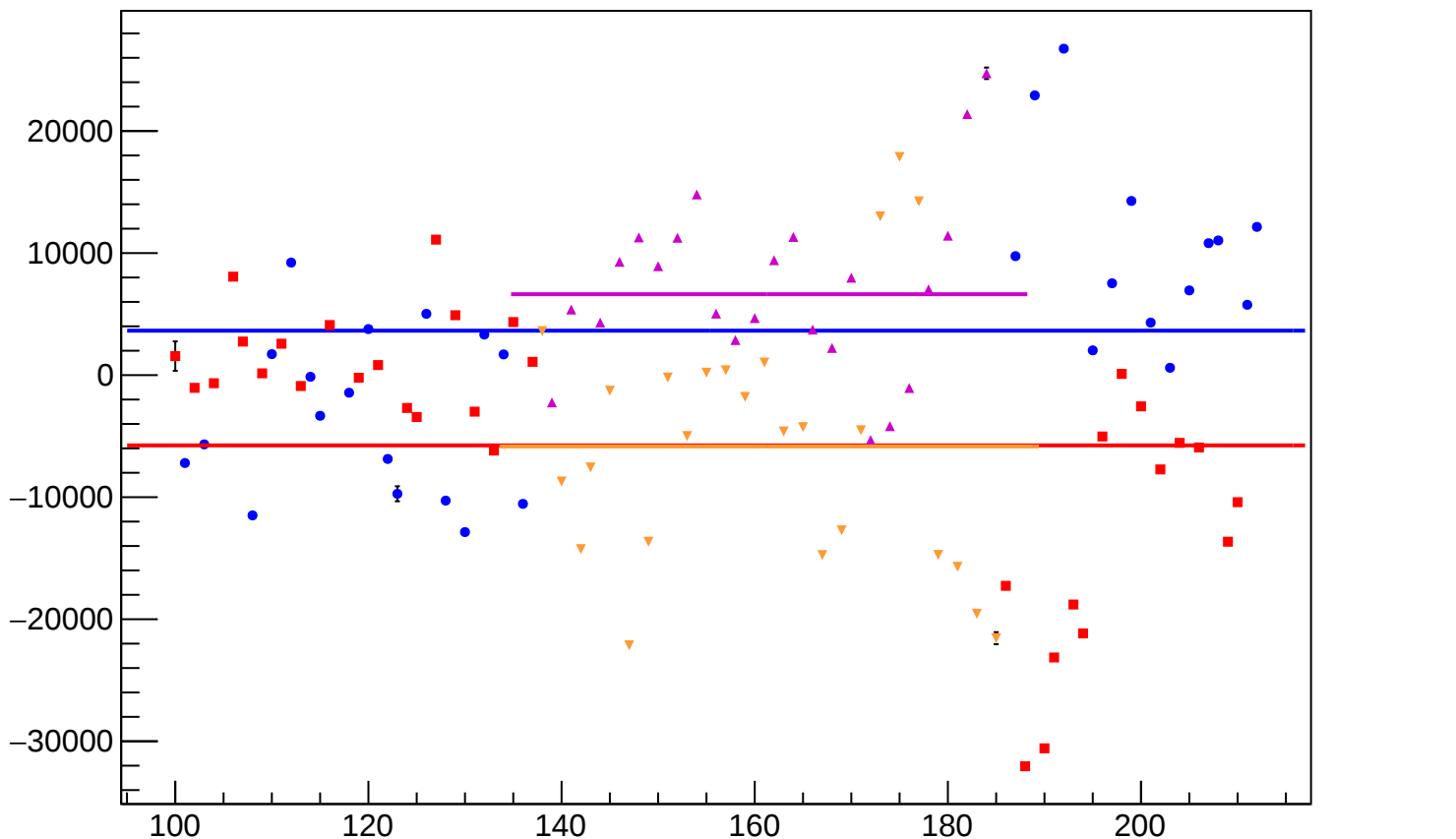
Right Out: 187.727+/-0.034 χ^2/NDF : 2121388.5/32

All: 206.036+/-0.018 χ^2/NDF : 7419122.9/110

Left In: 221.173+/-0.039 χ^2/NDF :1342517.8/22

- sign 202.322+/-0.026 χ^2/NDF : 3881782.5/55

asym_bpm2i01WS_mean vs Slug



Right In: 3643.151+/-34.719 χ^2/NDF : 83631.4/29

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -5756.293+/-33.297 χ^2/NDF : 104042.2/32

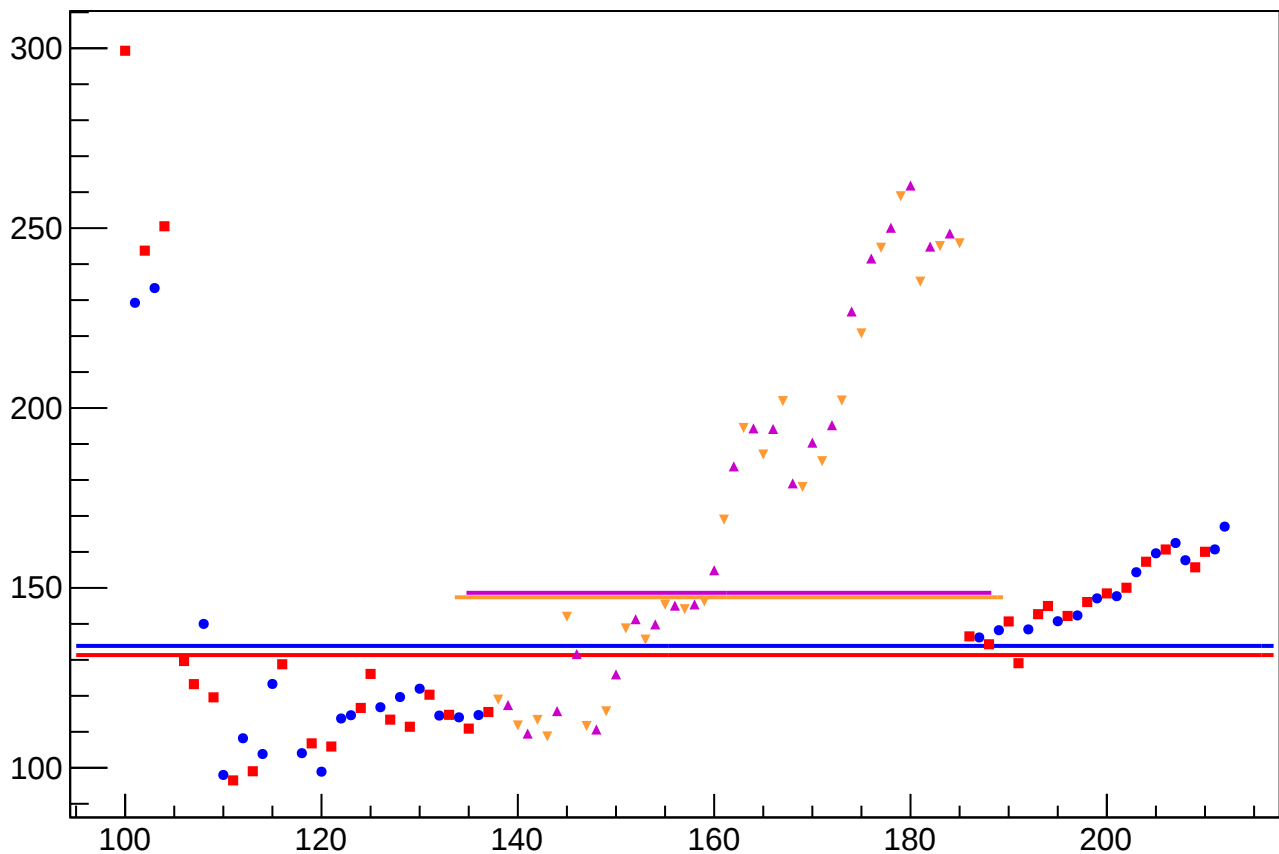
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -947.547+/-24.939 χ^2/NDF : 183151.0/54

All: -592.291+/-17.585 χ^2/NDF : 370944.8/111

- sign -241.053+/-24.798 χ^2/NDF : 187390.3/55

asym_bpm2i01WS_rms vs Slug



Right In: 133.883 $\pm$ 0.025 χ^2 /NDF: 1131053.8/29

Left Out: 147.396 $\pm$ 0.025 χ^2 /NDF: 2517097.1/24

Right Out: 131.334 $\pm$ 0.024 χ^2 /NDF: 1156458.6/32

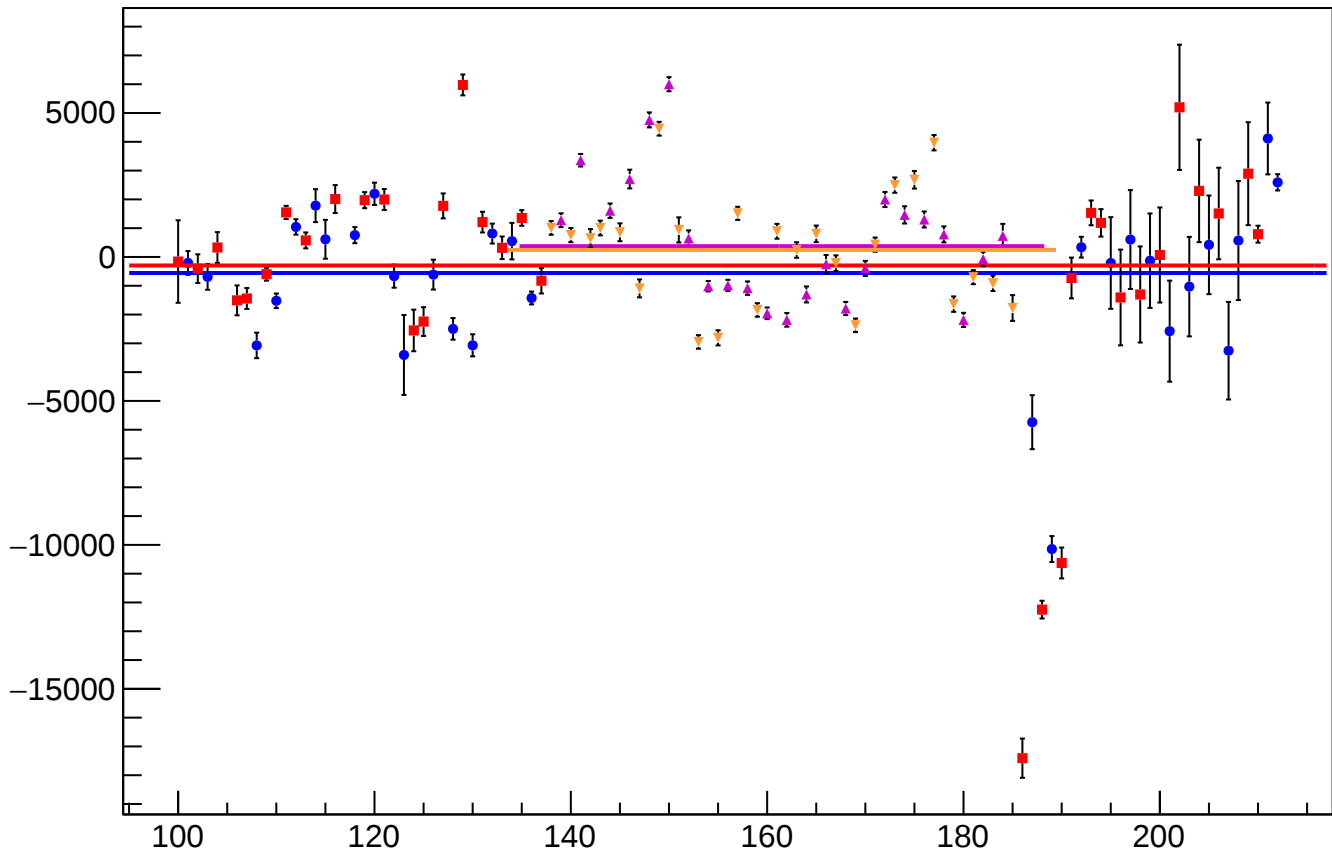
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF: 2415531.9/22

+ sign 140.424 $\pm$ 0.018 χ^2 /NDF: 3794788.2/54

All: 139.729 $\pm$ 0.012 χ^2 /NDF: 7610539.0/110

- sign 139.042 $\pm$ 0.018 χ^2 /NDF: 3812662.4/55

asym_bpm0i07WS_mean vs Slug



Right In: -557.454 ± 80.399 χ^2/NDF : 915.1/29

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -295.696 ± 72.629 χ^2/NDF : 3188.9/32

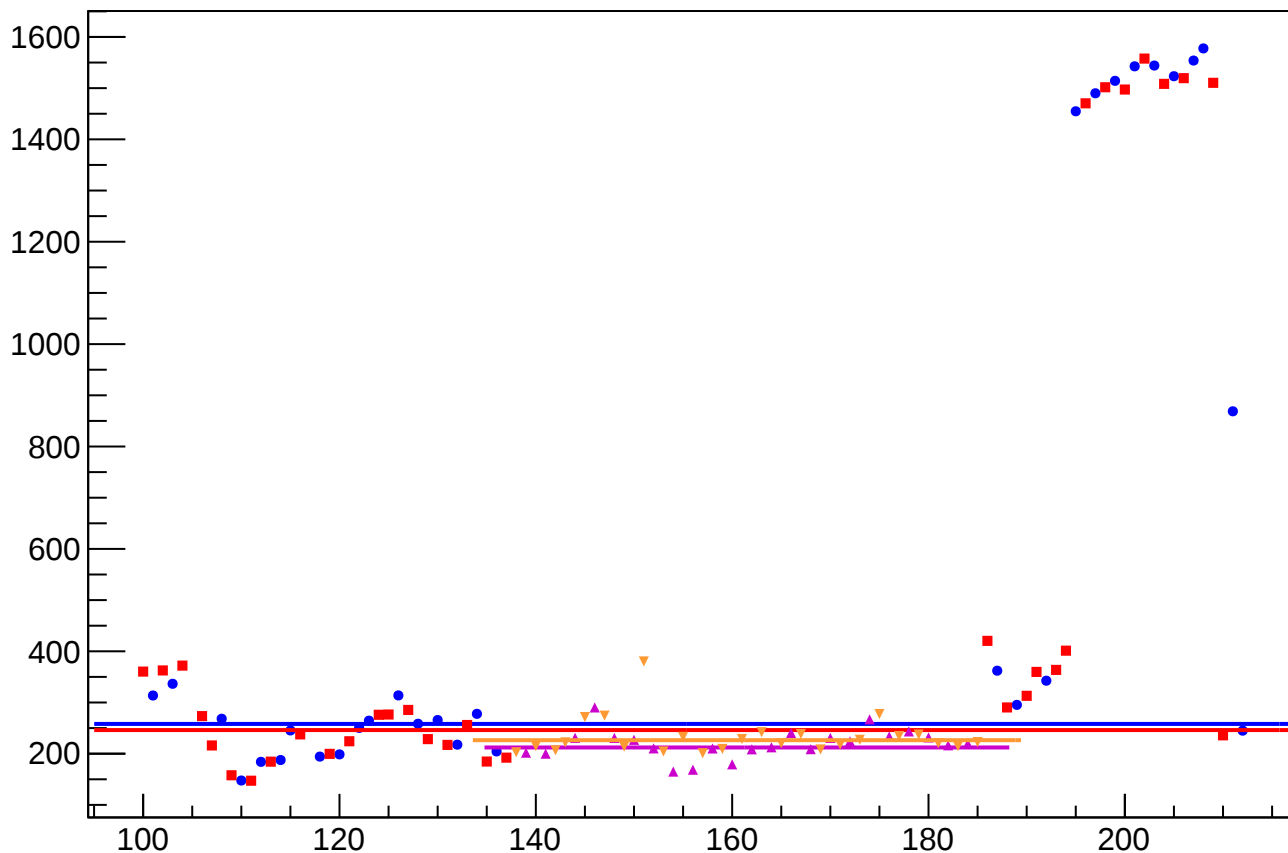
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -0.445 ± 44.535 χ^2/NDF : 2339.2/54

All: 77.720 ± 30.641 χ^2/NDF : 7388.6/110

- sign 147.977 ± 42.223 χ^2/NDF : 5043.6/55

asym_bpm0i07WS_rms vs Slug



Right In: 258.146 $\pm$ 0.057 χ^2 /NDF: 10196524.2/29

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 246.141 $\pm$ 0.051 χ^2 /NDF: 9272345.6/32

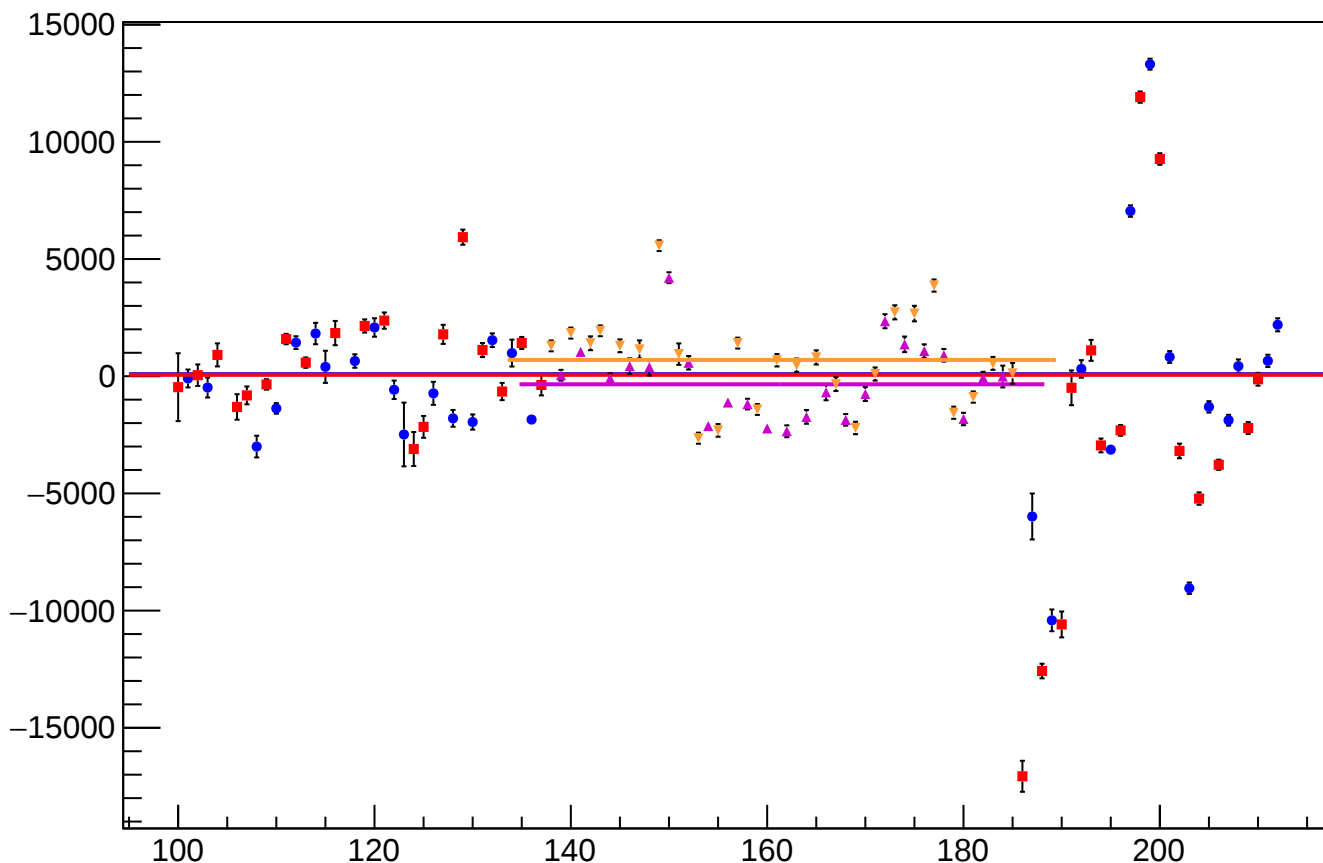
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 236.124 $\pm$ 0.031 χ^2 /NDF: 10934771.0/54

All: 229.546 $\pm$ 0.022 χ^2 /NDF: 21171753.3/11

- sign 223.634 $\pm$ 0.030 χ^2 /NDF: 10154144.2/55

asym_bpm0l01WS_mean vs Slug



Right In: 87.013 ± 56.103 χ^2/NDF : 6671.9/29

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: 60.953 ± 55.300 χ^2/NDF : 8215.1/32

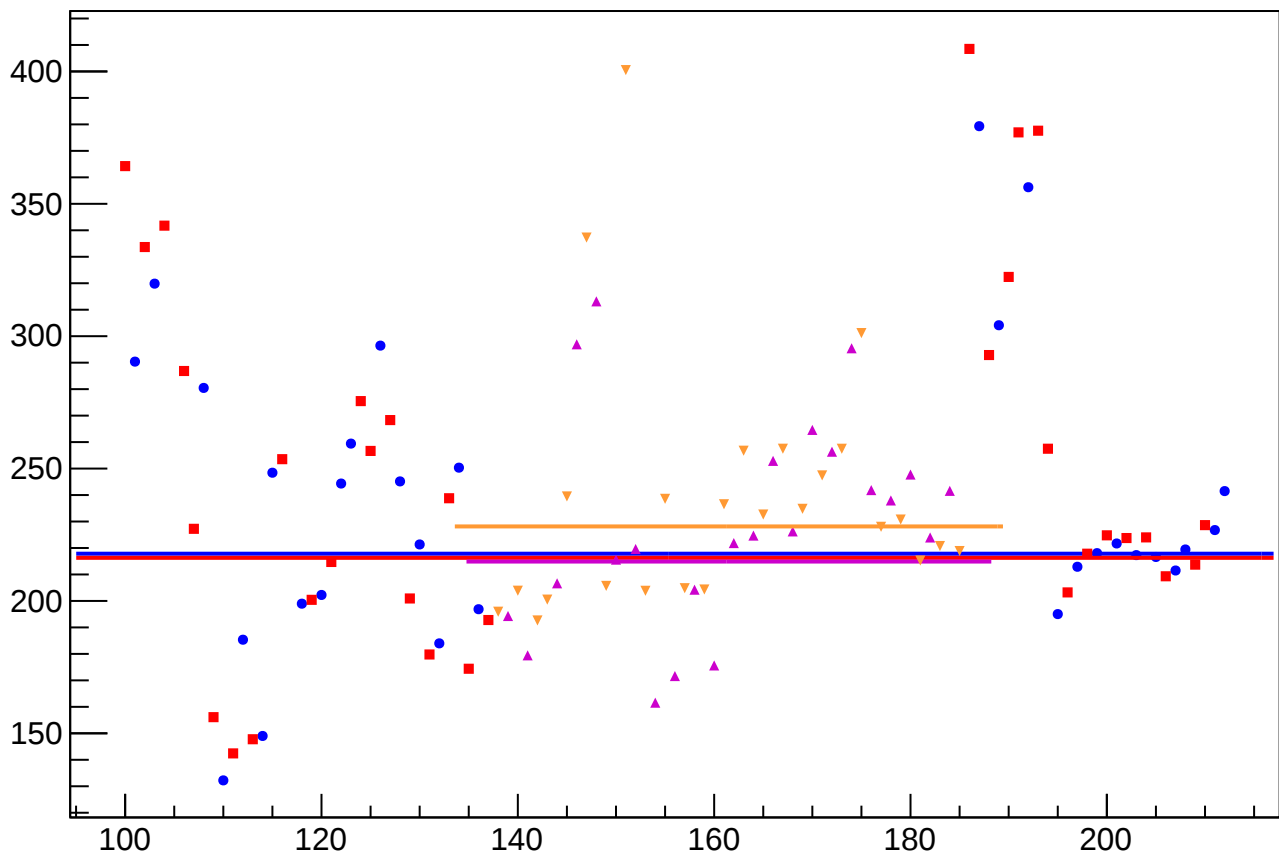
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 400.887 ± 38.998 χ^2/NDF : 8154.5/54

All: 119.782 ± 27.306 χ^2/NDF : 17484.7/110

- sign -150.598 ± 38.247 χ^2/NDF : 9228.2/55

asym_bpm0l01WS_rms vs Slug



Right In: 217.842 $\pm$ 0.040 χ^2 /NDF: 1162931.2/29

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF:828399.3/24

Right Out: 216.288 $\pm$ 0.039 χ^2 /NDF: 1825920.8/32

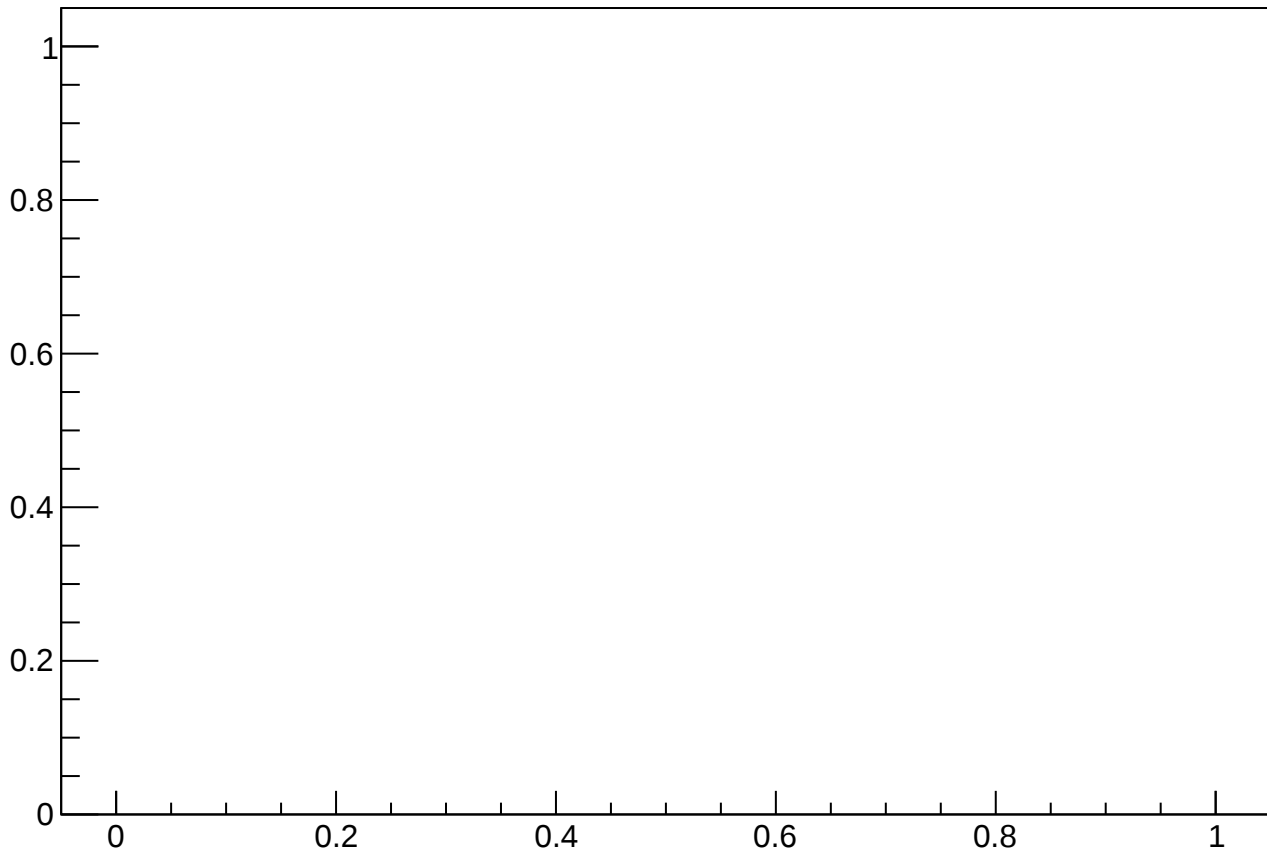
Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 223.166 $\pm$ 0.028 χ^2 /NDF: 2026182.8/54

All: 219.285 $\pm$ 0.019 χ^2 /NDF: 4929148.2/110

- sign 215.552 $\pm$ 0.027 χ^2 /NDF: 2864108.2/55

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

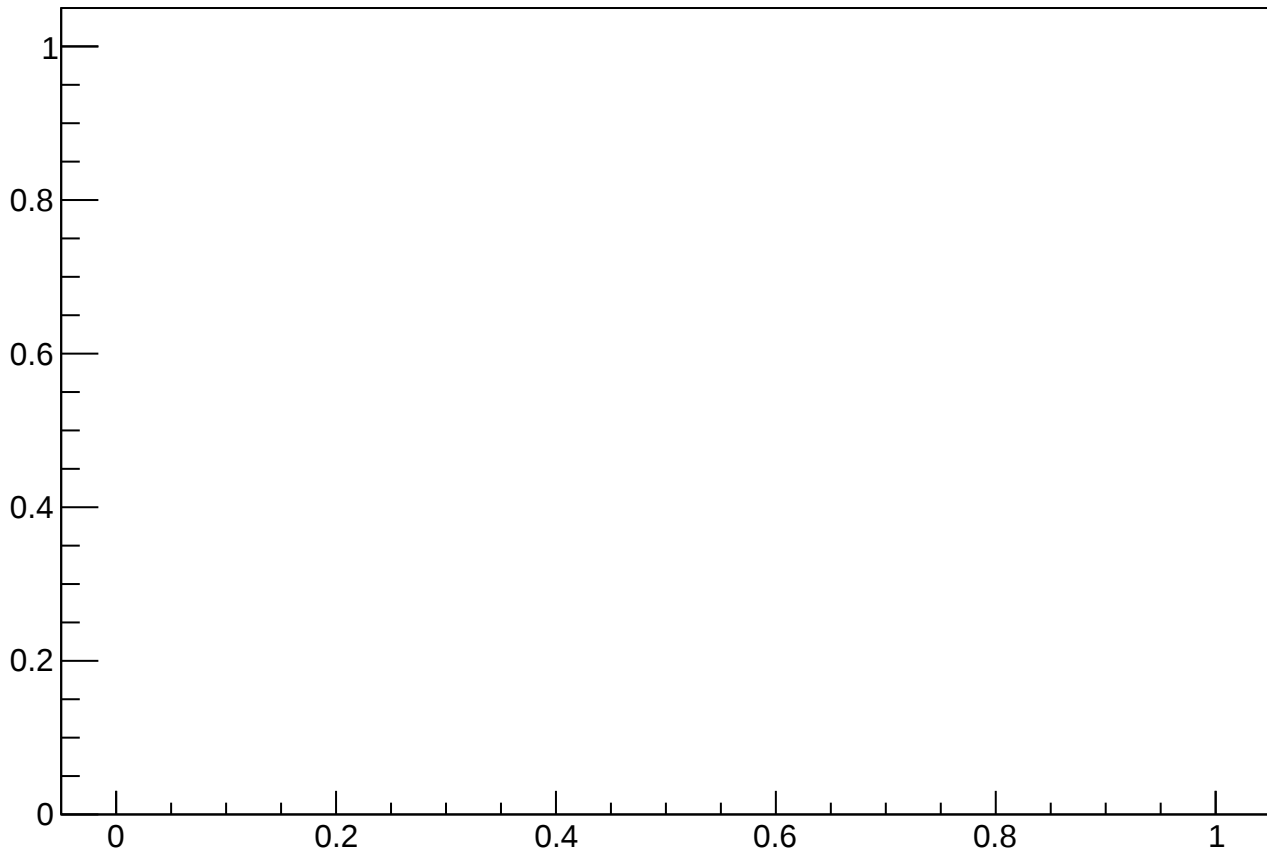
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

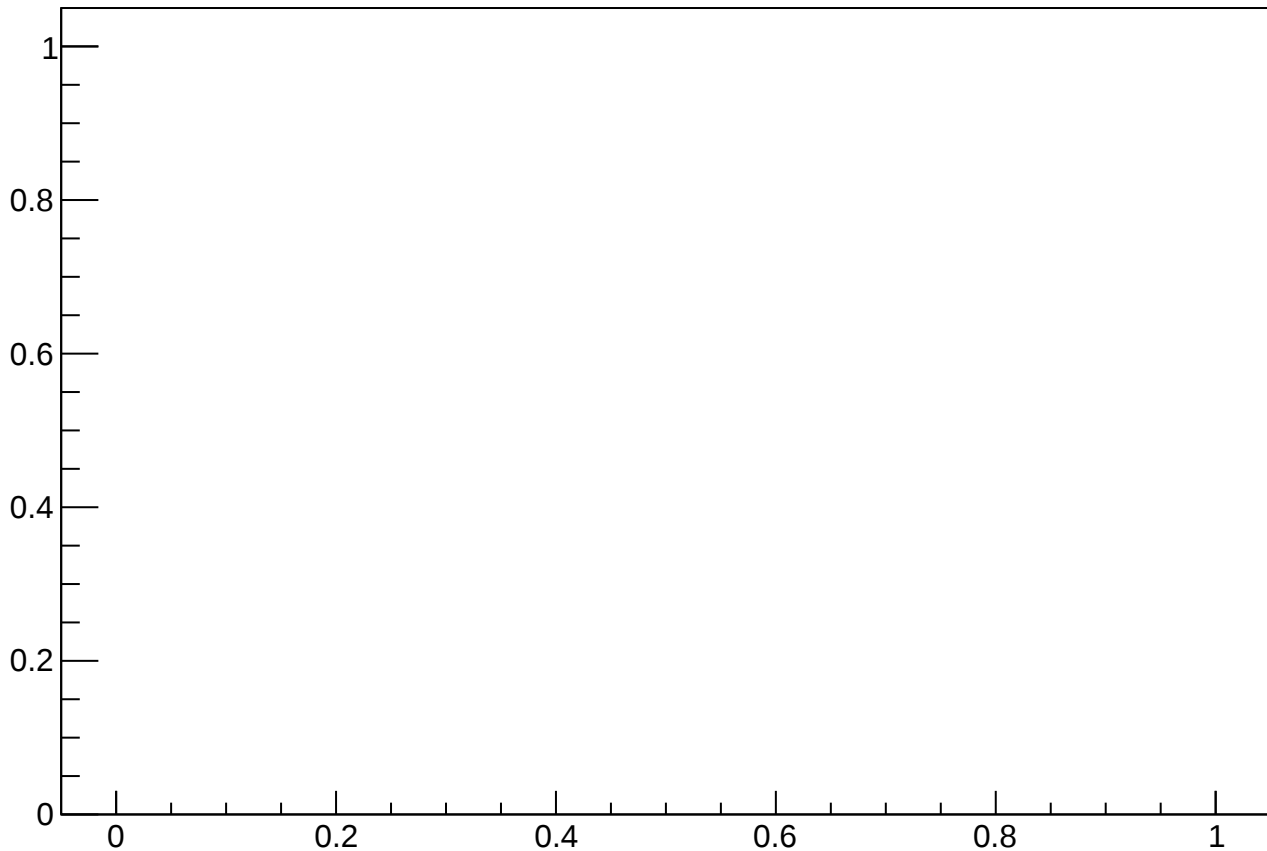
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

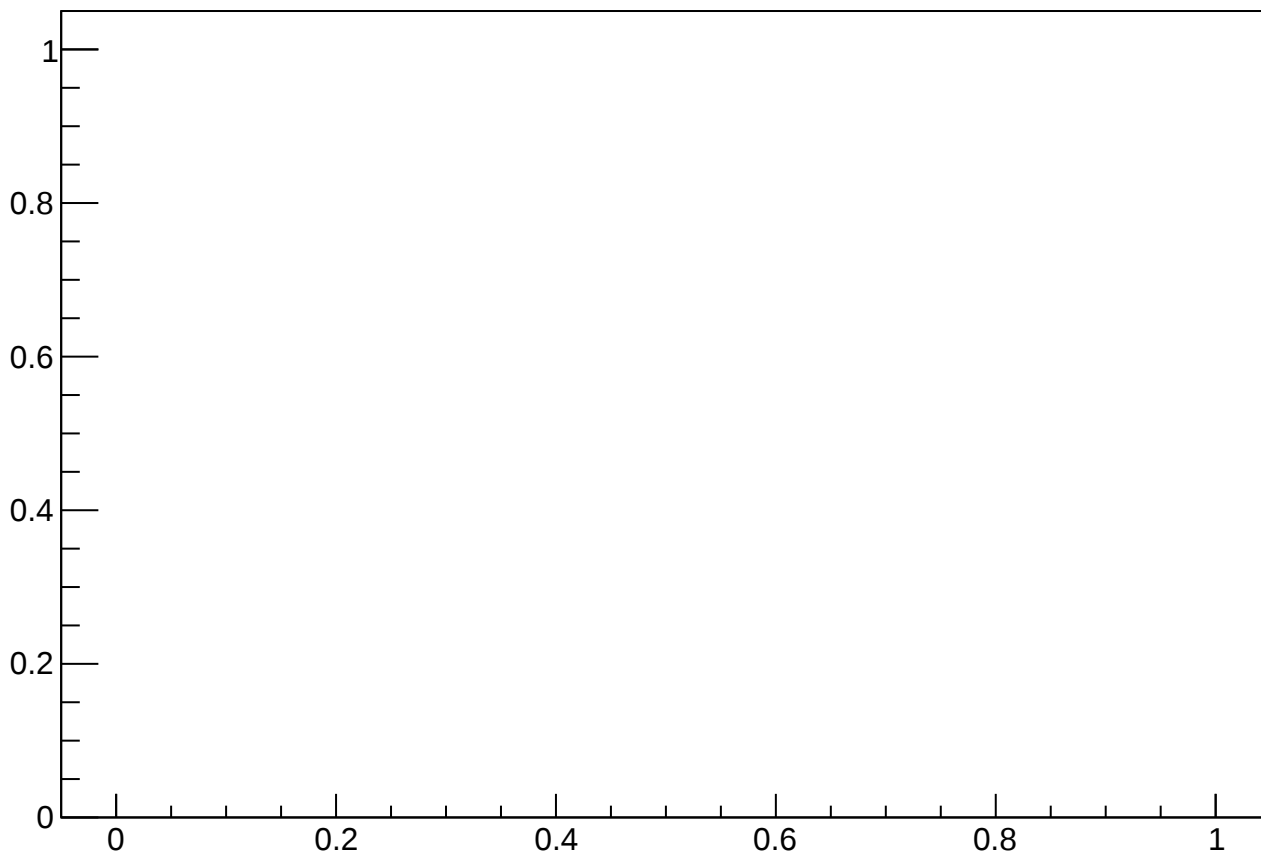
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

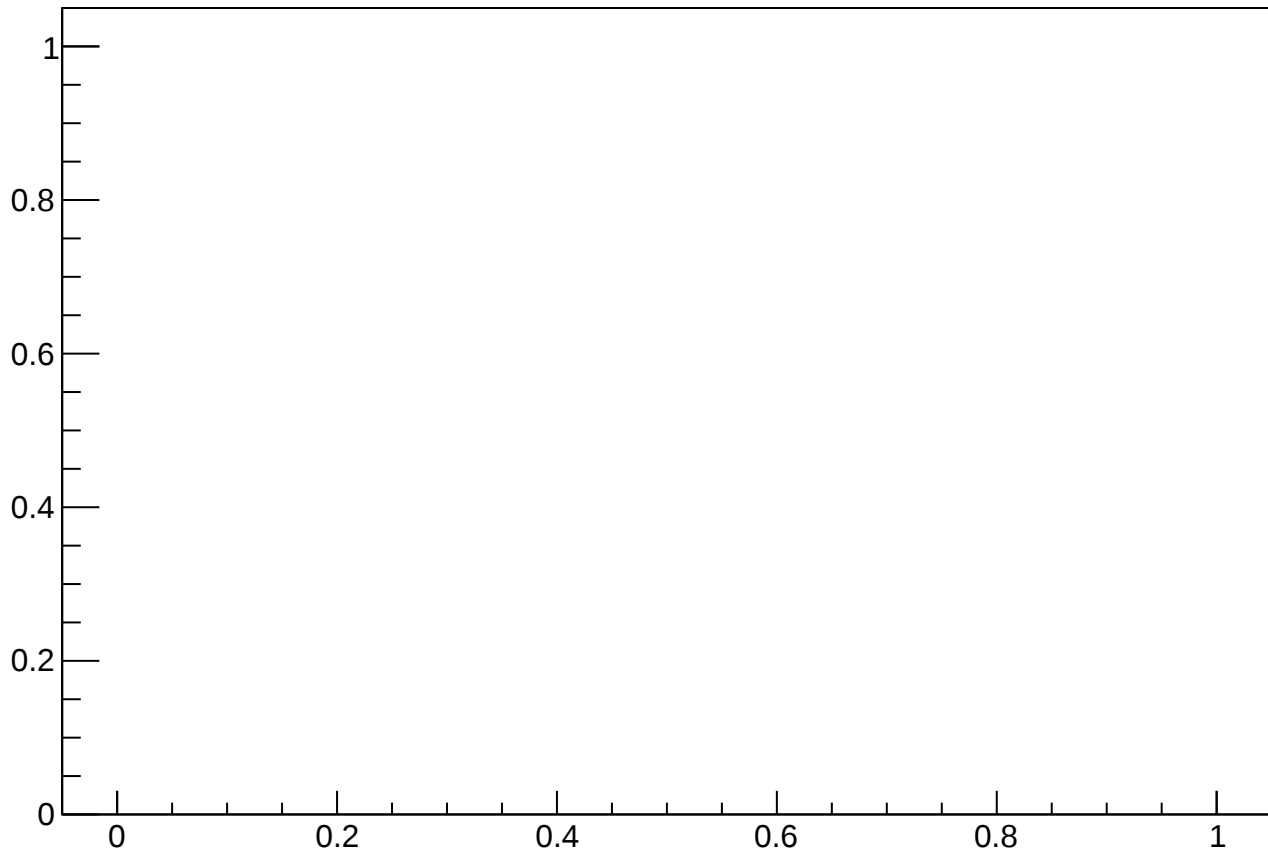
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

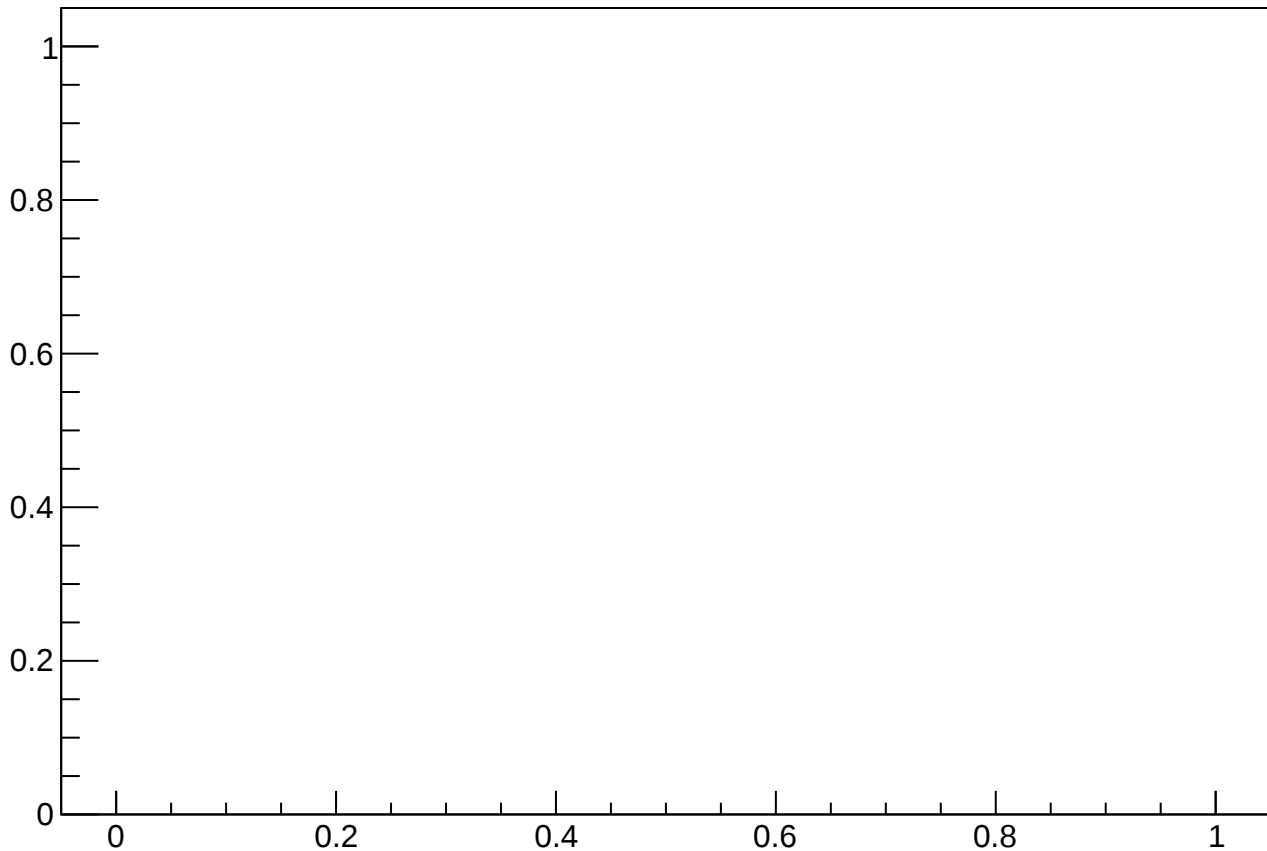
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

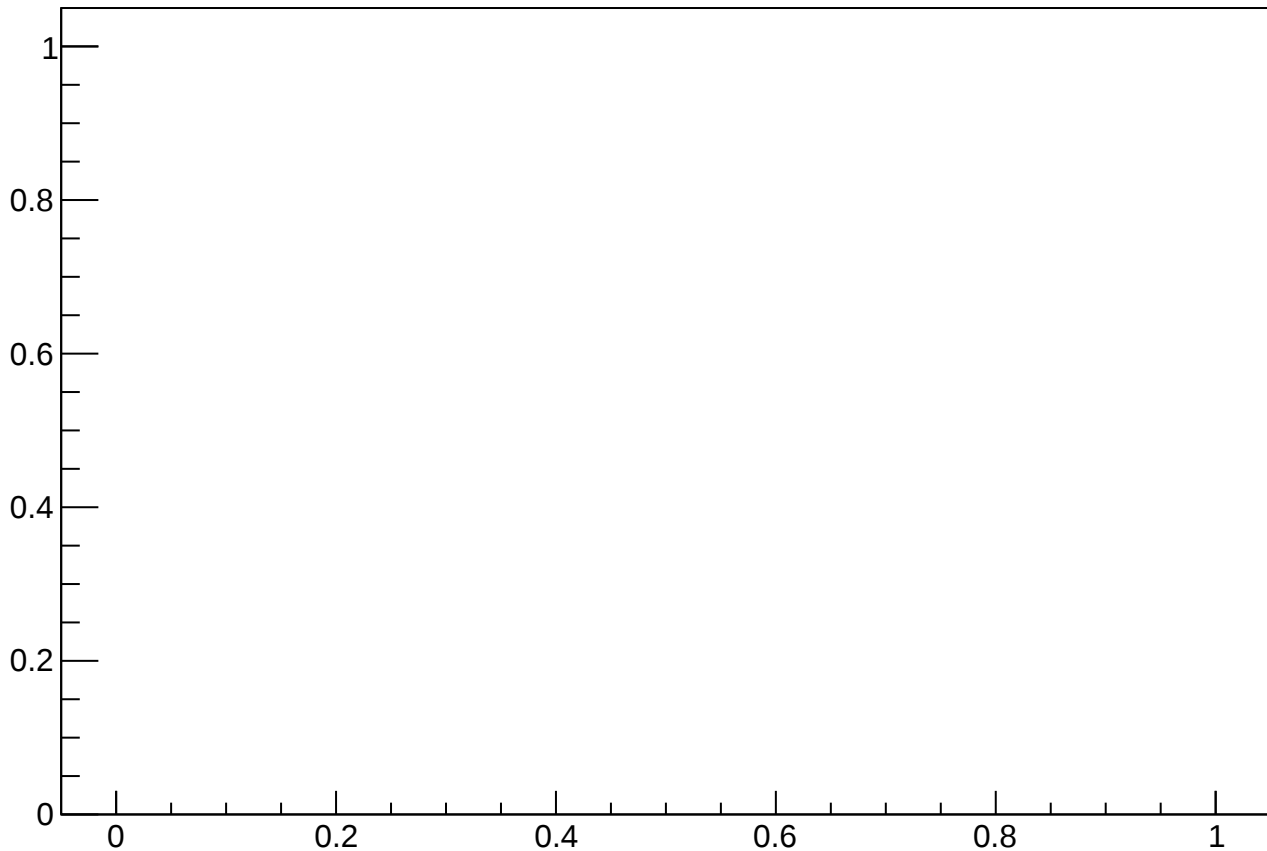
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

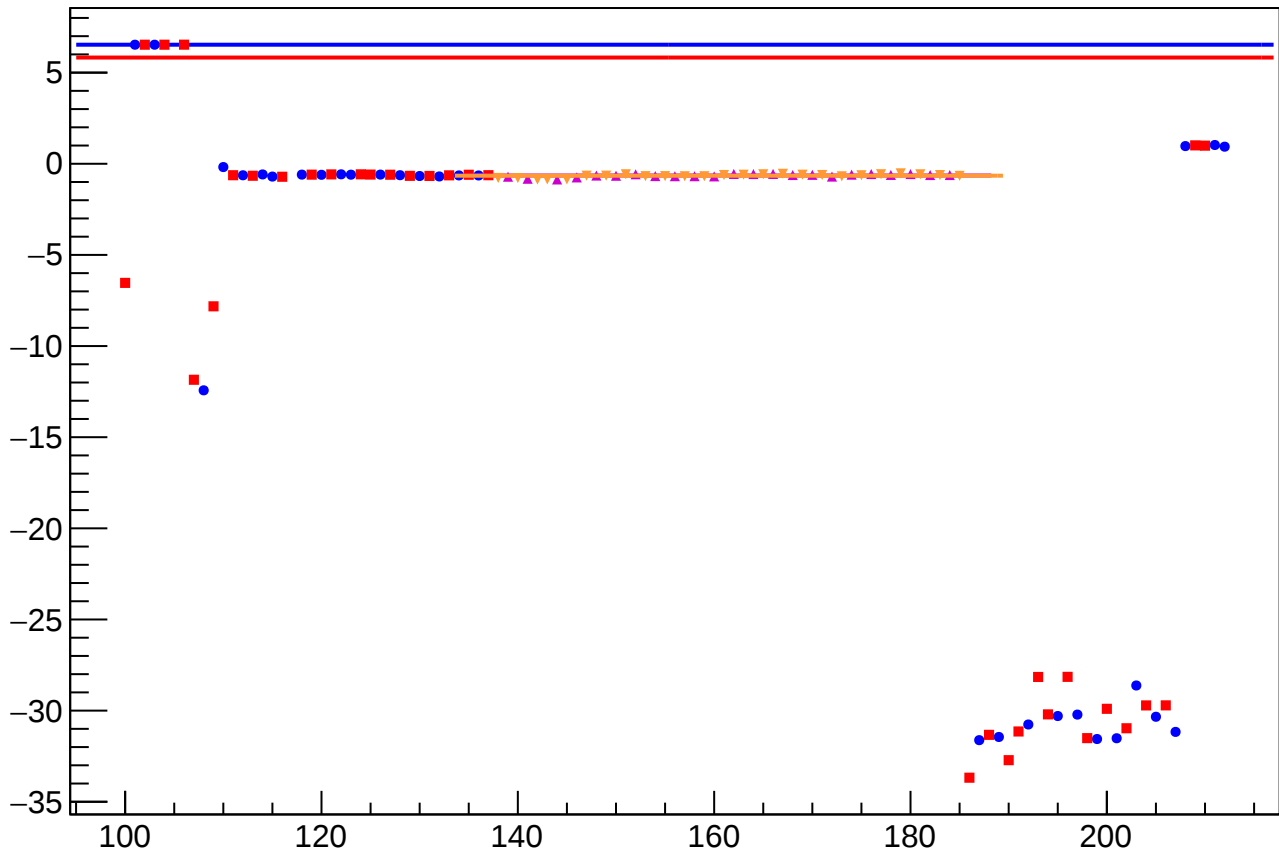
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 133671370592.9/29

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755964997627703.0/32

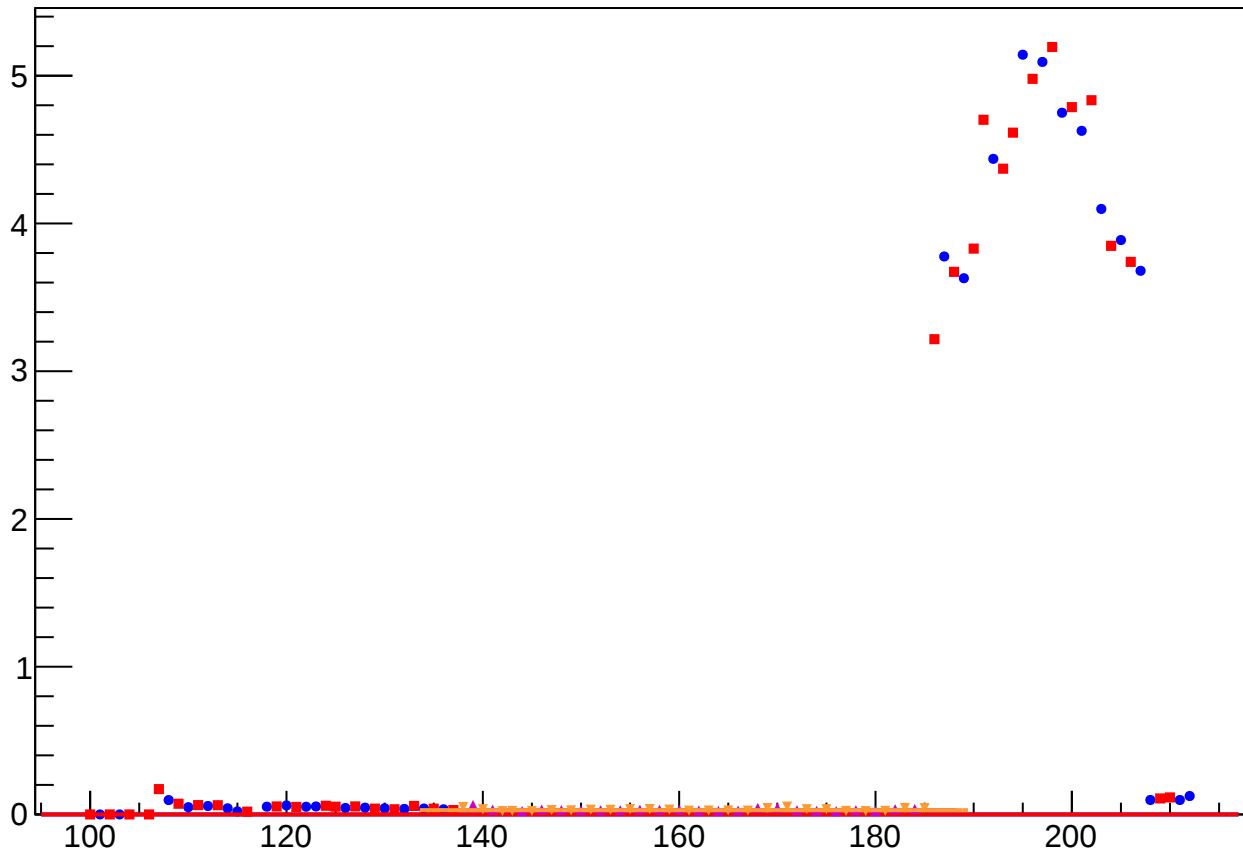
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1007507622714.1/54

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77763568613683

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756643459483449.4/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 26801945.0/29

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 27611748.5/32

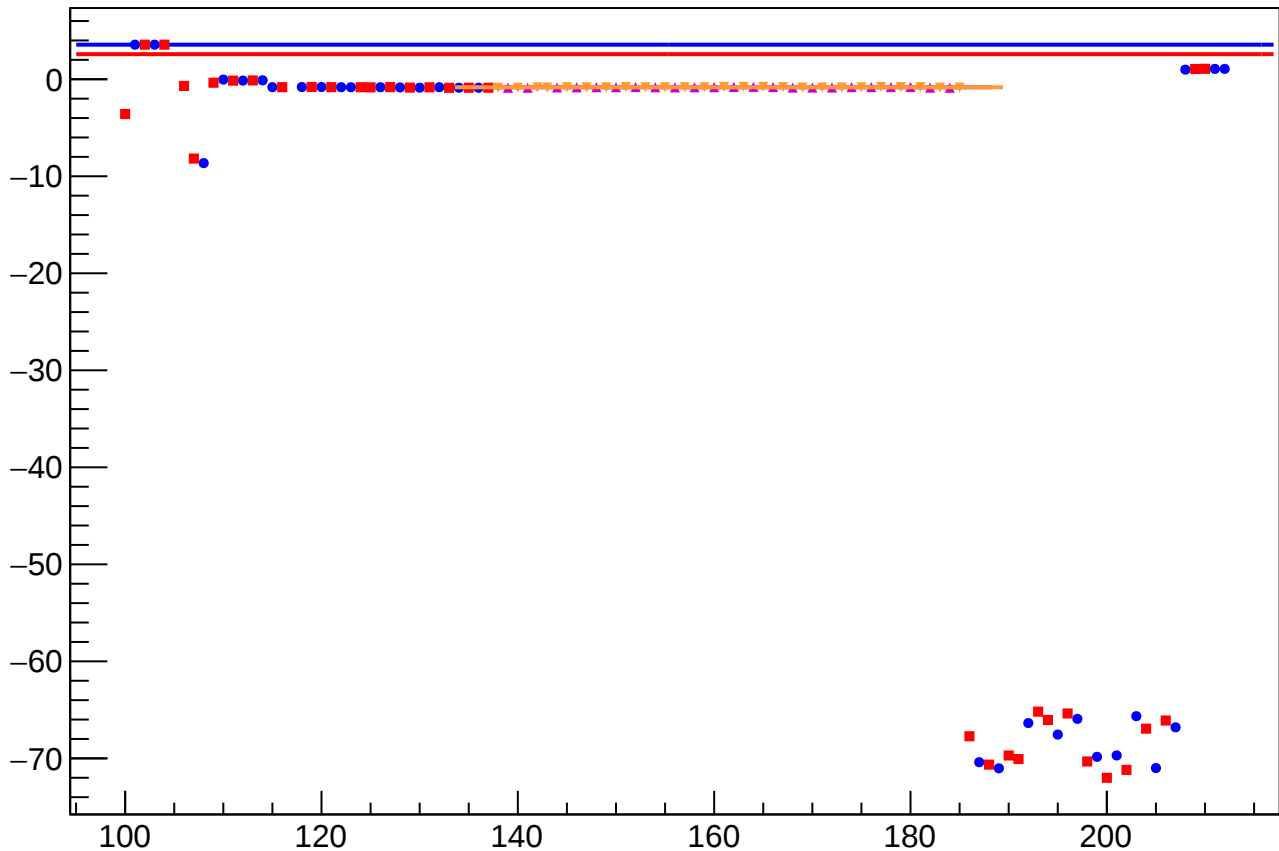
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 56765191.1/54

All: 0.000+/-0.000 χ^2/NDF : 112559228.5/110

- sign 0.000+/-0.000 χ^2/NDF : 55793315.3/55

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 539017866925.8/29

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

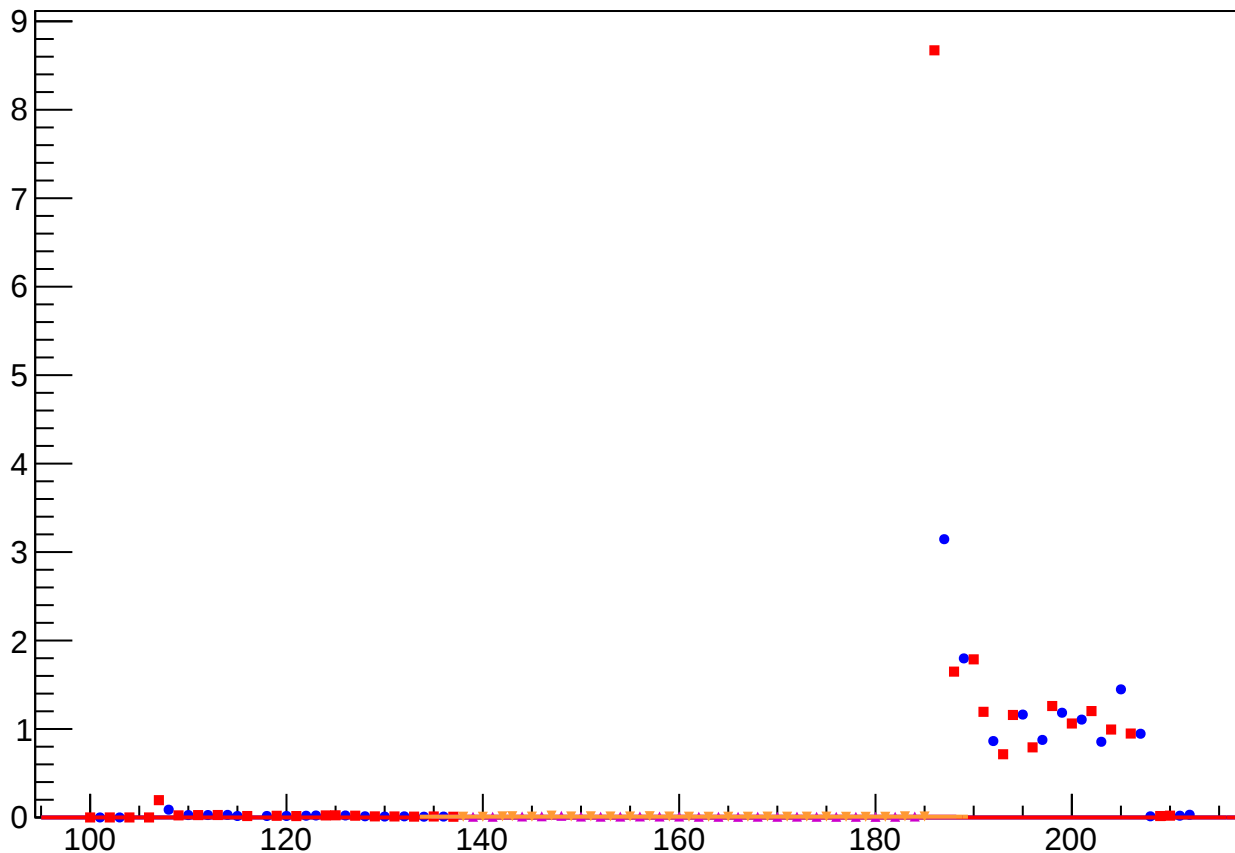
+ sign 3.560+/-0.000 χ^2/NDF : 4235378650447.7/54

Right Out: 2.583+/-0.000 χ^2/NDF : 1253539890013778.8/32 All: 3.038+/-0.000 χ^2/NDF : 13880689614688

- sign 2.581+/-0.000 χ^2/NDF : 1255760955392053.2

Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 24638089.7/29

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 25587989.1/32

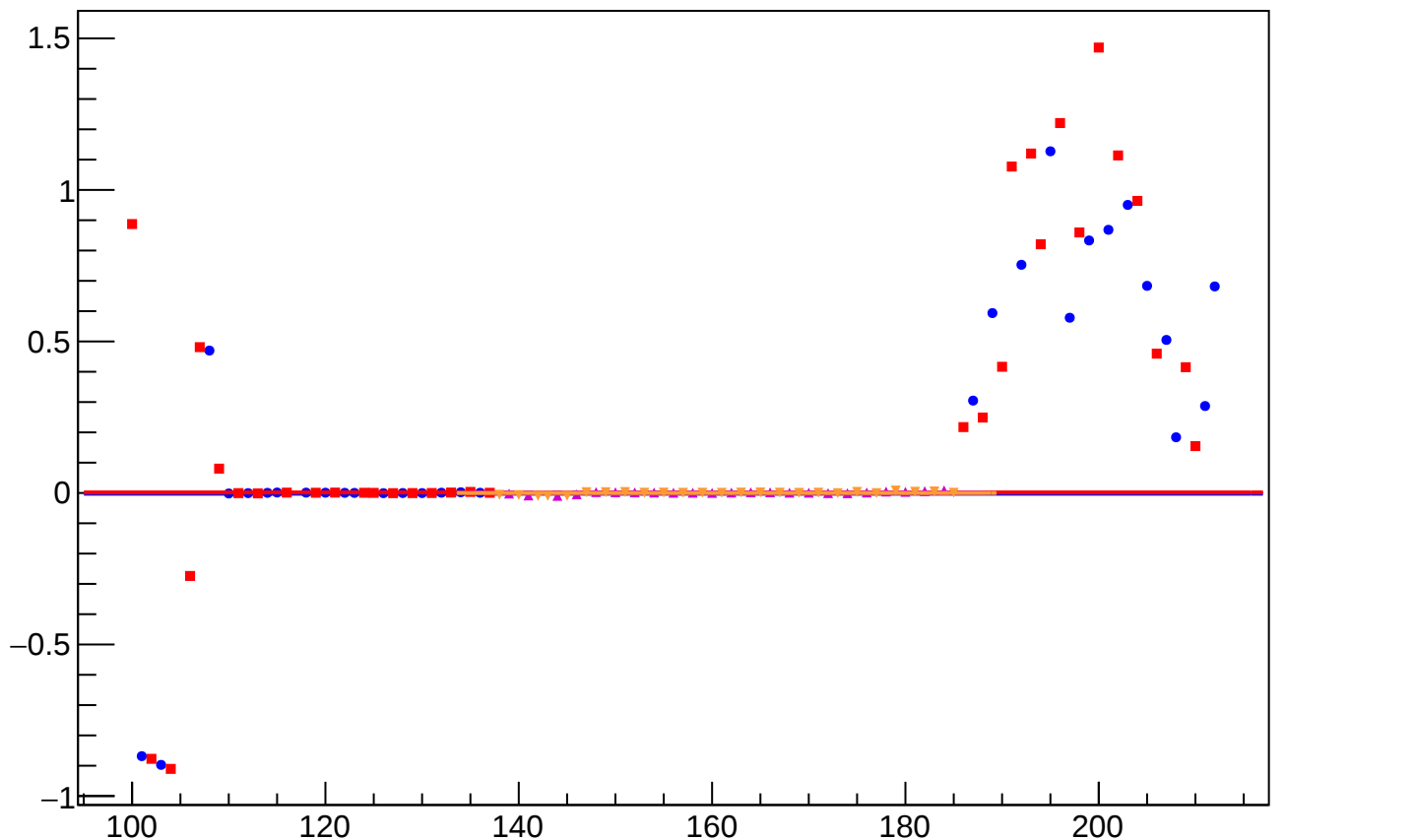
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 56144021.1/54

All: 0.000+/-0.000 χ^2/NDF : 111538141.5/110

- sign 0.000+/-0.000 χ^2/NDF : 55392929.0/55

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9796580192.4/29

Left Out: -0.000+/-0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3043692283.2/32

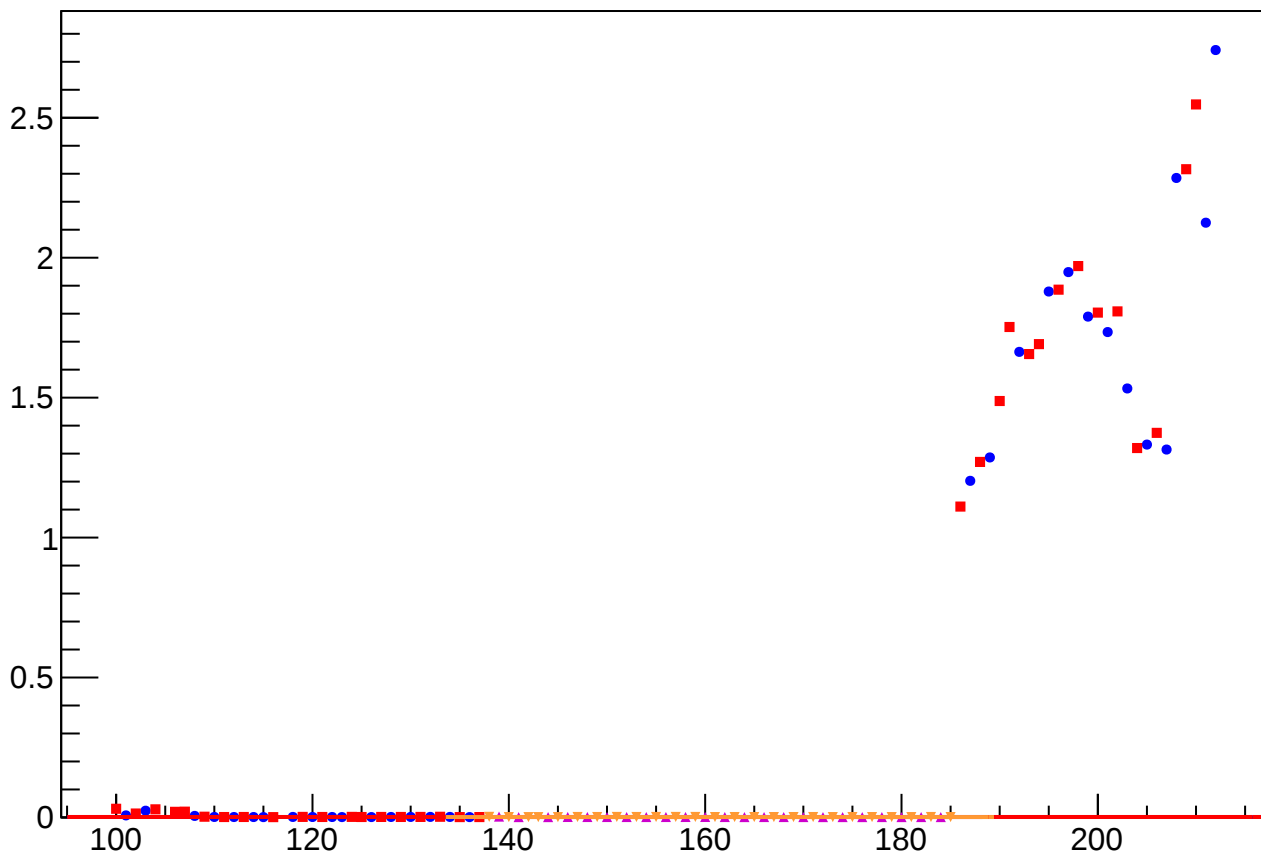
Left In: 0.001+/-0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001+/-0.000 χ^2/NDF : 9955096964.5/54

All: 0.000+/-0.000 χ^2/NDF : 13109788378.0/100

- sign 0.001+/-0.000 χ^2/NDF : 3147139979.9/55

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 19848160.5/29

Left Out: 0.001+/-0.000 χ^2/NDF :539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 21263342.4/32

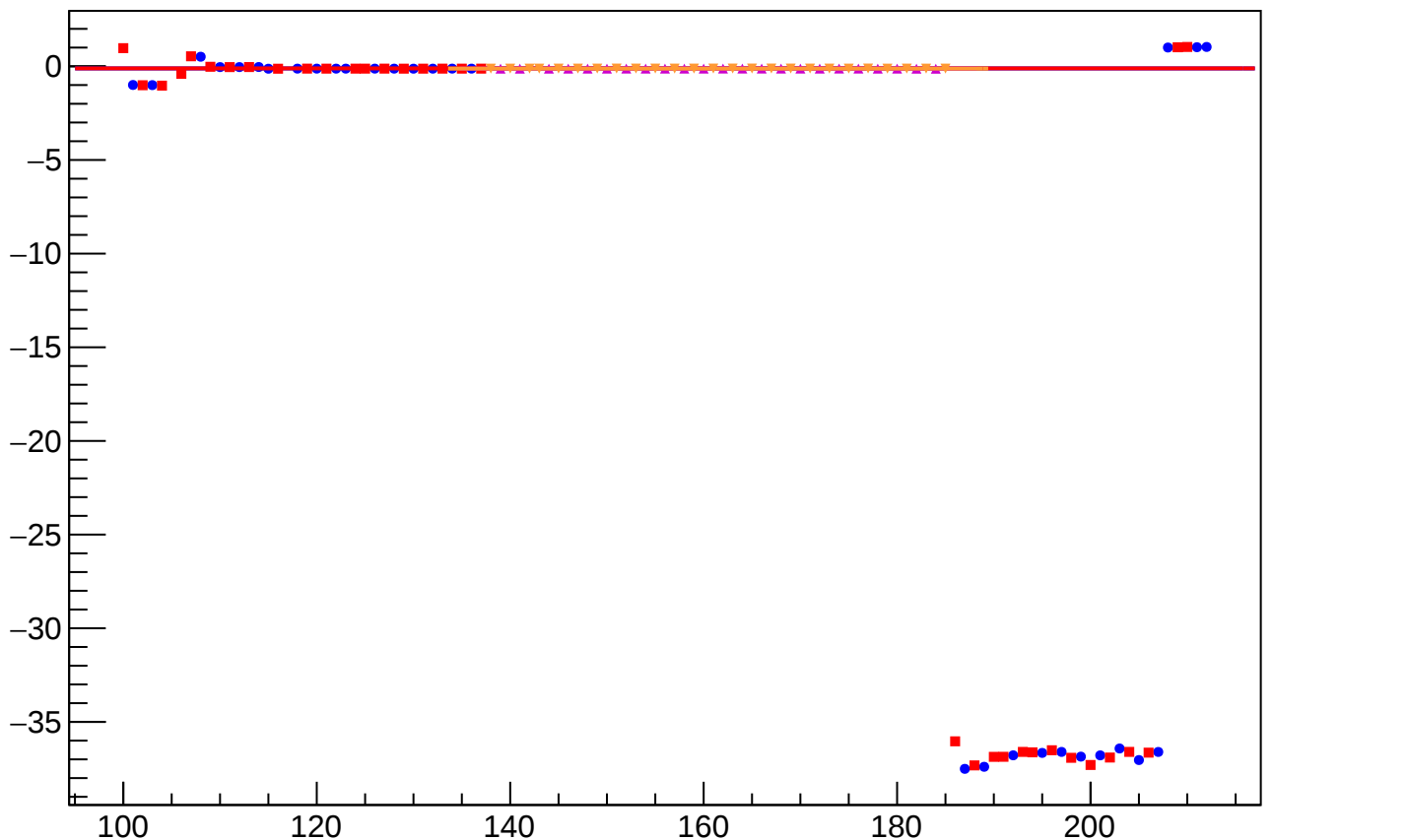
Left In: 0.001+/-0.000 χ^2/NDF :659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 20459293.2/54

All: 0.002+/-0.000 χ^2/NDF : 42501167.1/110

- sign 0.002+/-0.000 χ^2/NDF : 22033990.8/55

yield_cav4cY_mean vs Slug



Right In: -0.113 ± 0.000 $\chi^2/\text{NDF}: 82493187932.8/29$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.110 ± 0.000 $\chi^2/\text{NDF}: 81528024537.1/32$

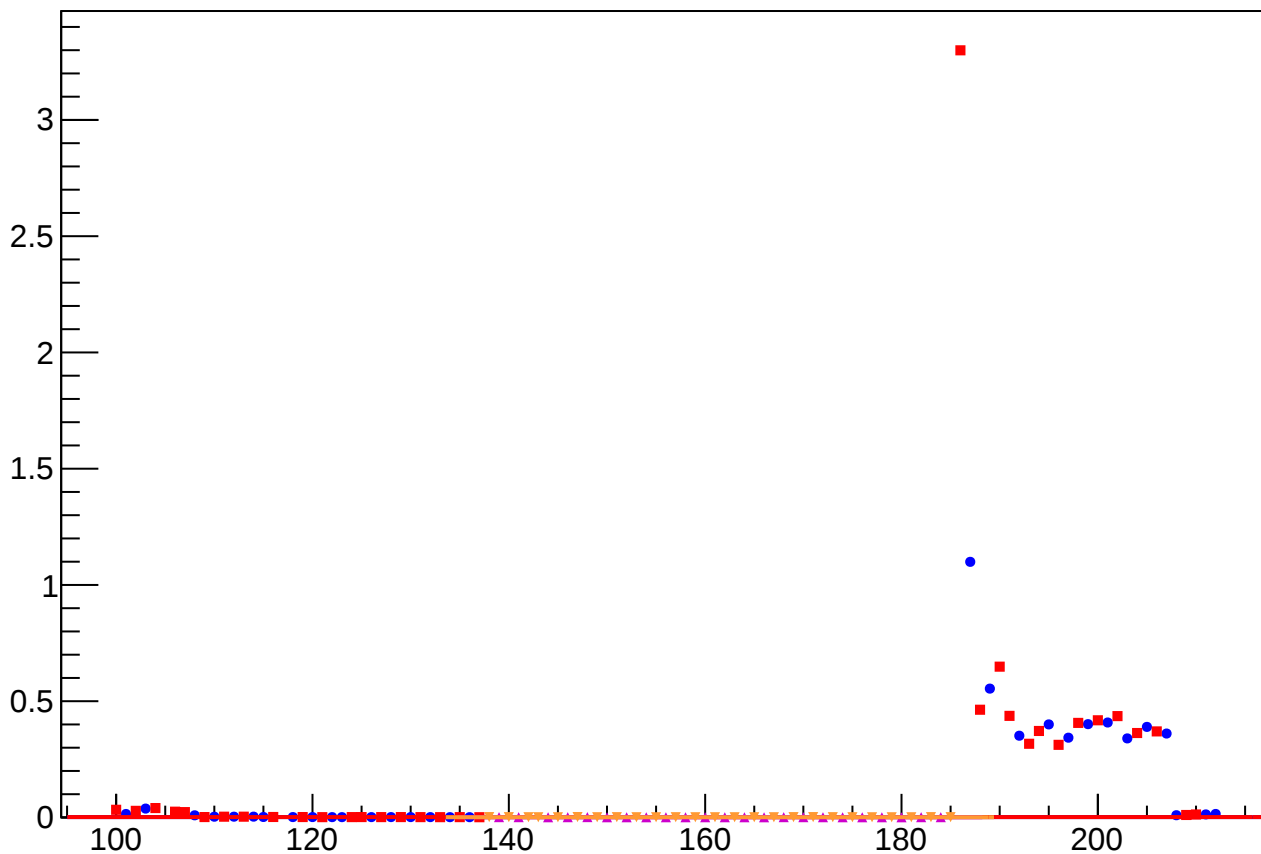
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 82657040041.1/54$

All: -0.120 ± 0.000 $\chi^2/\text{NDF}: 164434351154.7$

- sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 81774901090.8/55$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 19164487.5/29

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 20526006.0/32

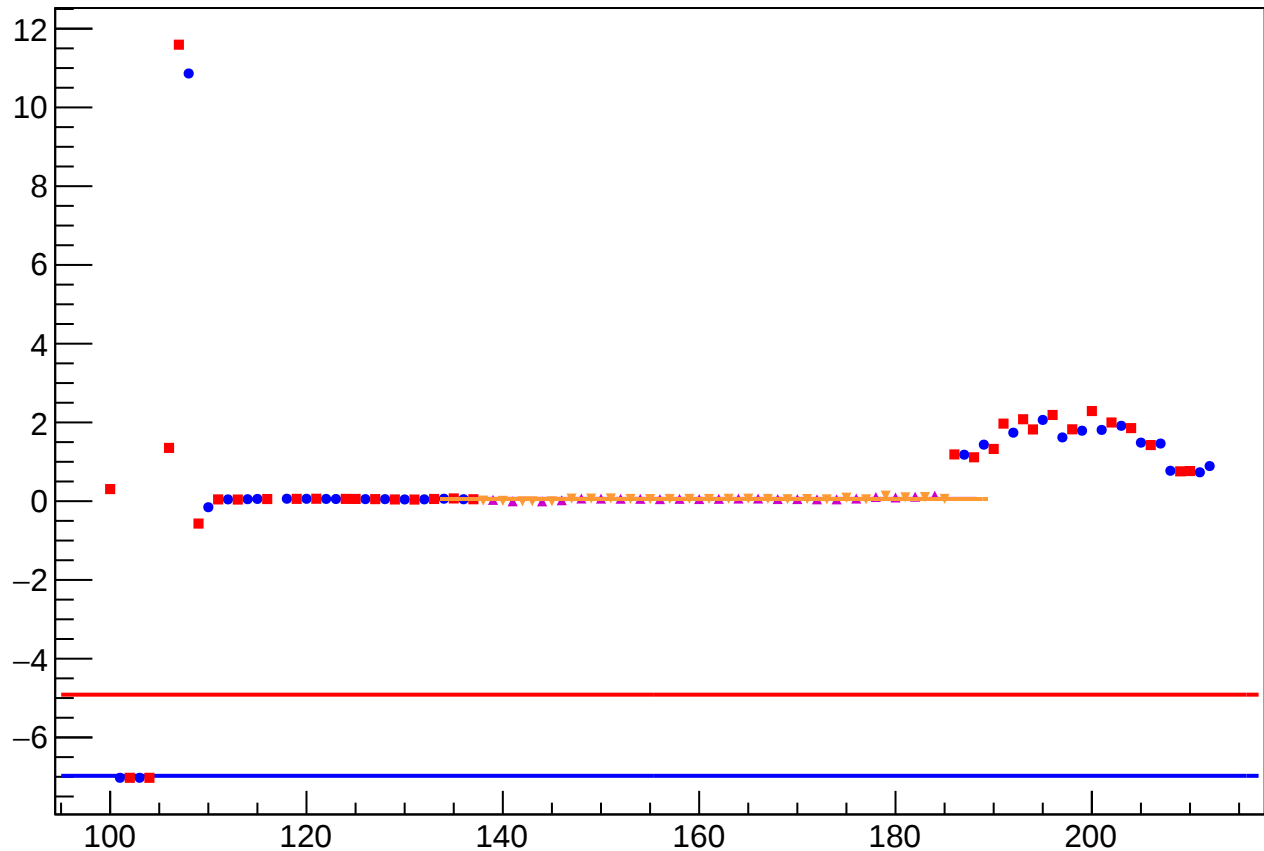
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 22041813.3/54

All: 0.001+/-0.000 χ^2/NDF : 44908660.2/110

- sign 0.001+/-0.000 χ^2/NDF : 22865418.2/55

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762928673343.3/29

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348787080653.4/32

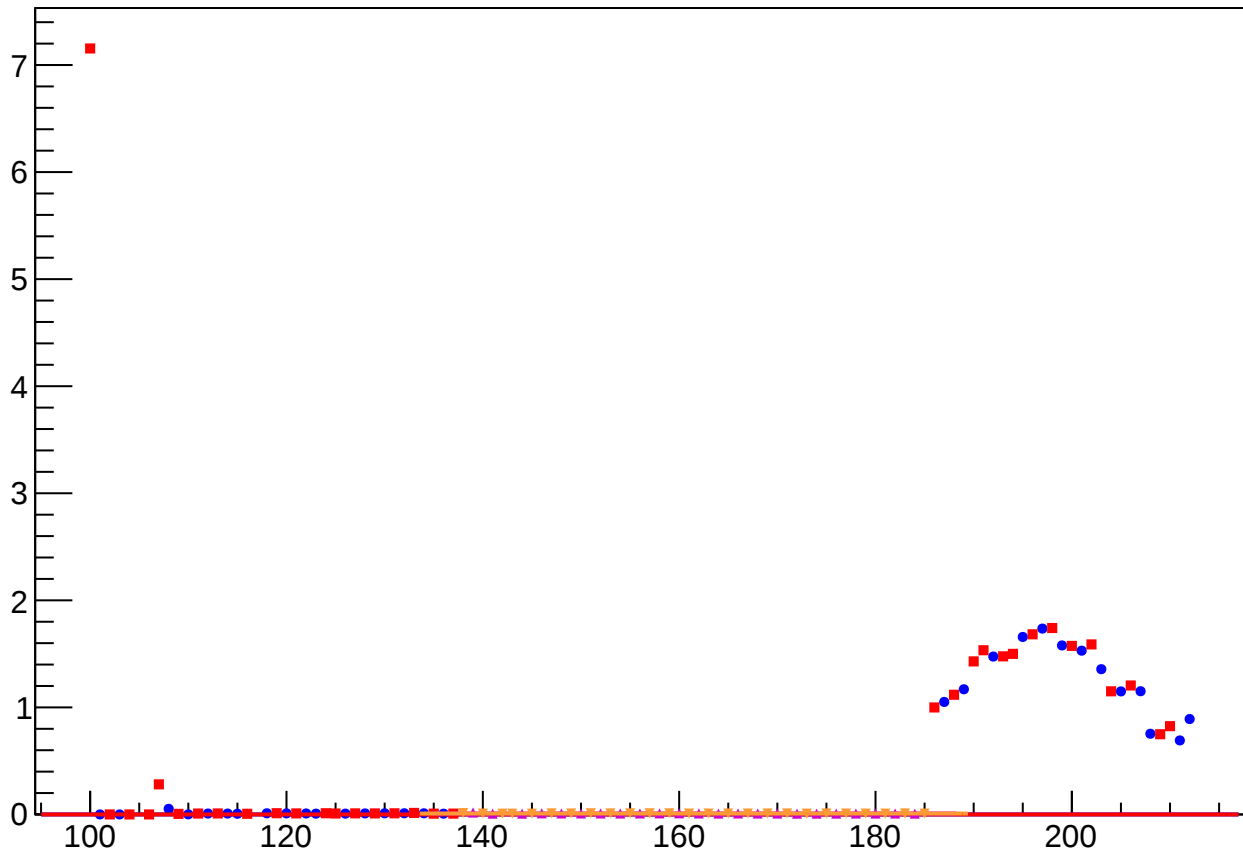
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417913136454.7/29

All: -5.858 ± 0.000 χ^2/NDF : 4435818514381.3/51

- sign -4.882 ± 0.000 χ^2/NDF : 369771076633646.0/32

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 26178760.5/29

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 27025684.0/32

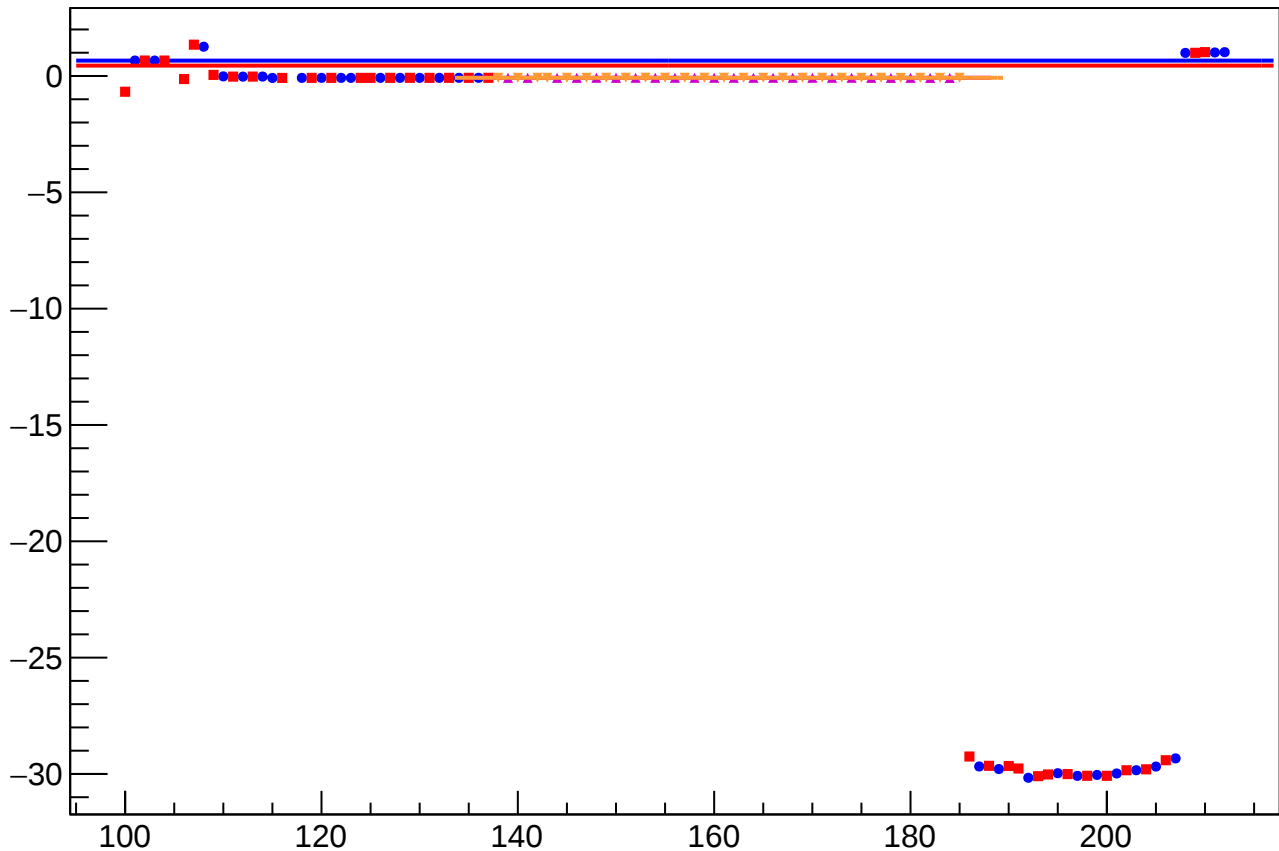
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 55164864.9/54

All: 0.000+/-0.000 χ^2/NDF : 109868052.2/110

- sign 0.000+/-0.000 χ^2/NDF : 54698692.7/55

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5647304354432.7/29

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156525648.0/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405481357265332.0/32

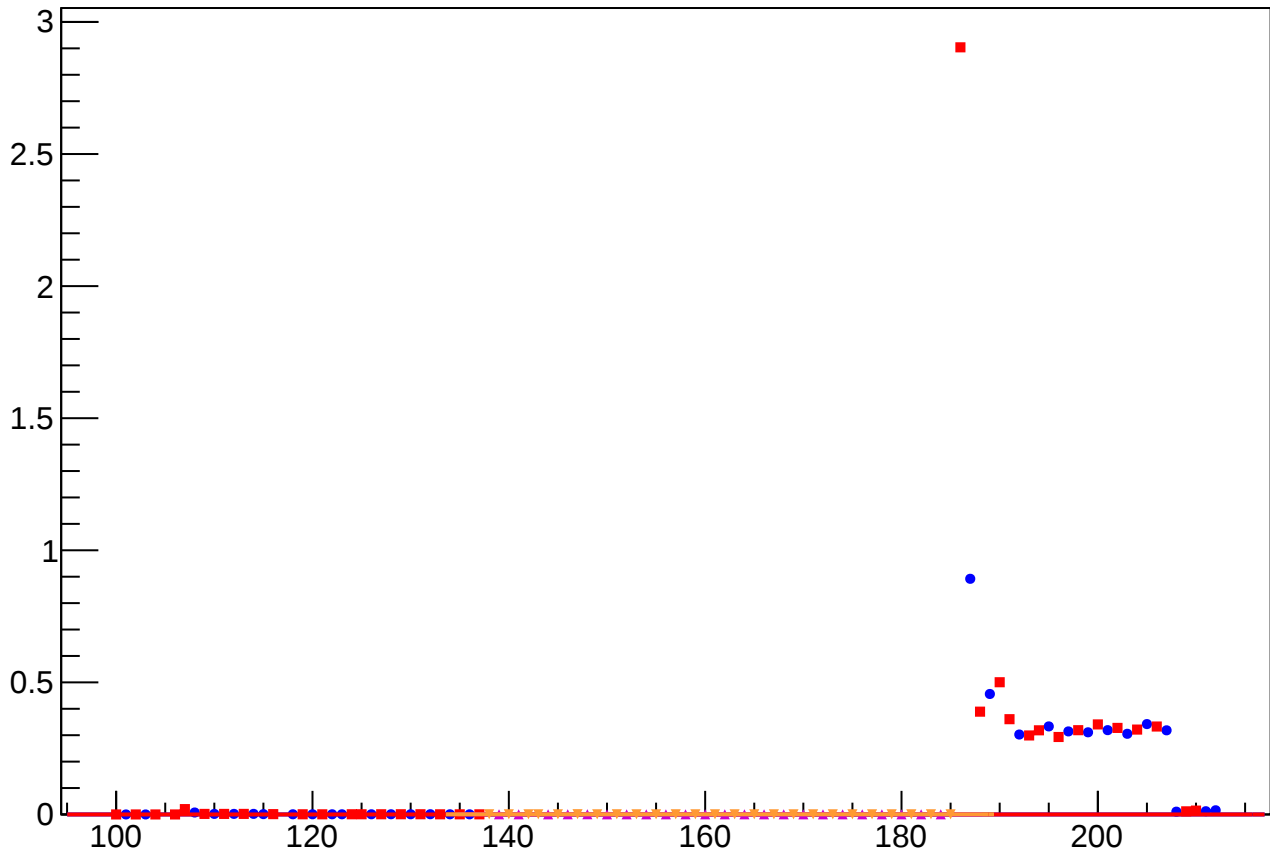
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 111221084.5/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35814898277250.1/5

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51610835231780

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419712958373521.8/5

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 27566461.2/29

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 27577224.7/32

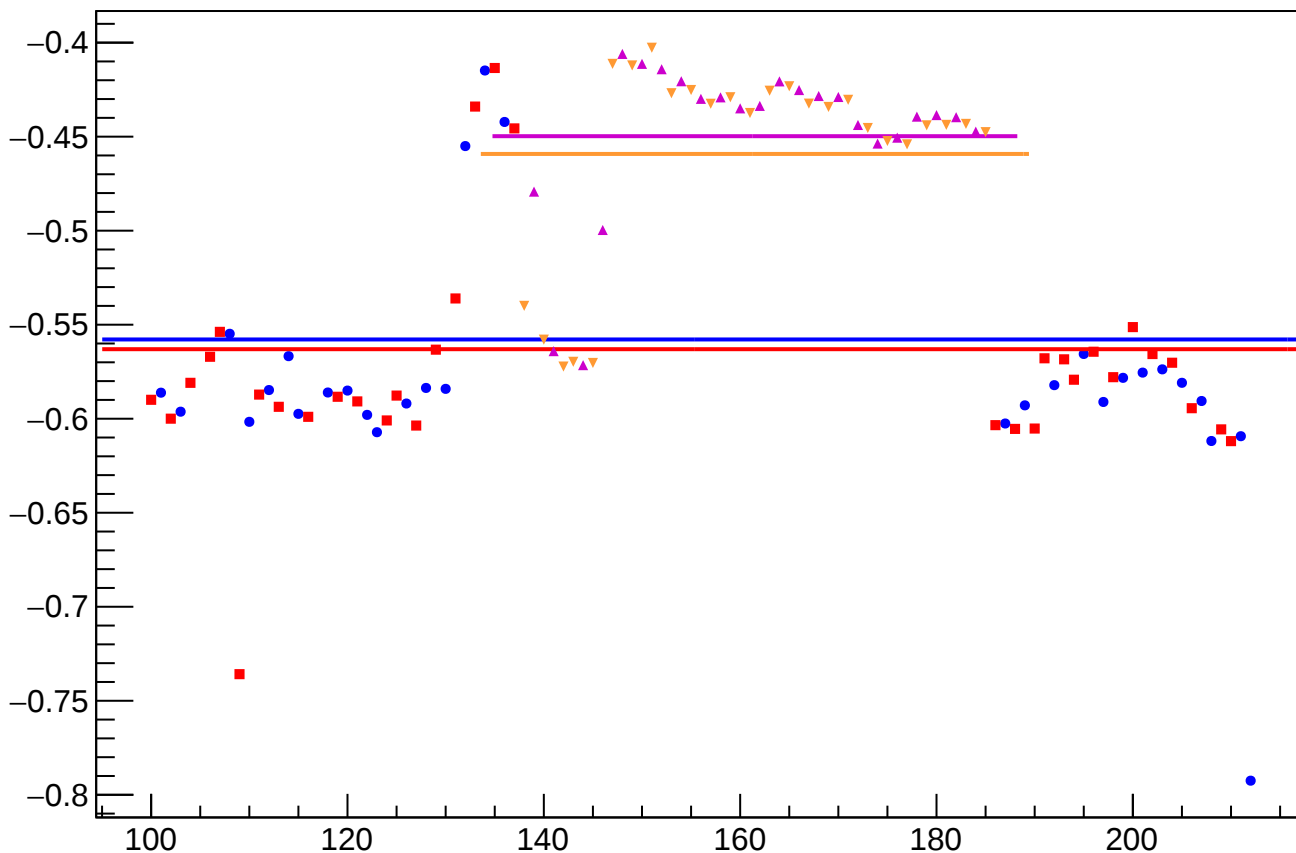
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 60207957.2/54

All: 0.000+/-0.000 χ^2/NDF : 118824769.6/110

- sign 0.000+/-0.000 χ^2/NDF : 58609452.8/55

yield_bpm4aX_mean vs Slug



Right In: -0.558+/-0.000 χ^2/NDF : 63480896.6/29

Left Out: -0.459+/-0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.563+/-0.000 χ^2/NDF : 66825868.1/32

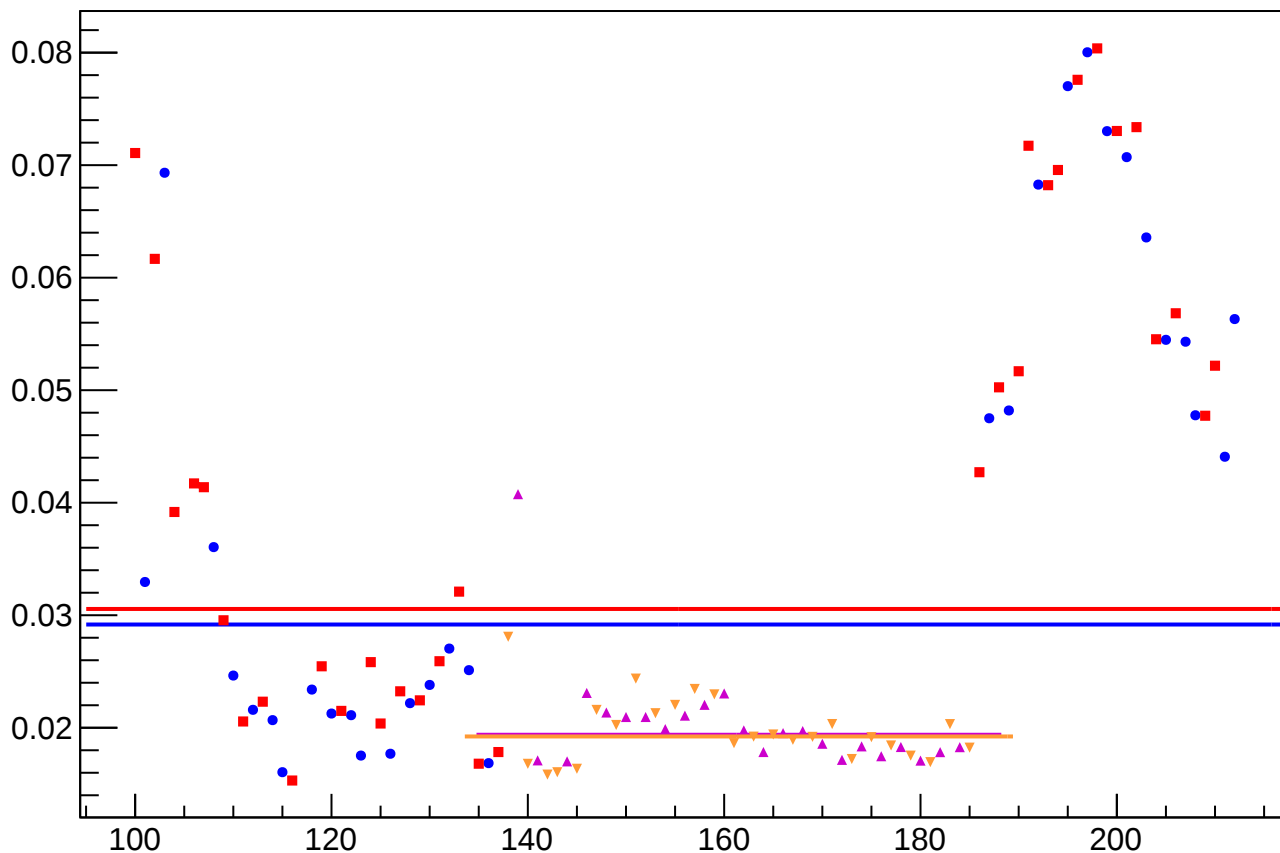
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.483+/-0.000 χ^2/NDF : 272675705.9/54

All: -0.481+/-0.000 χ^2/NDF : 535870708.6/11

- sign -0.478+/-0.000 χ^2/NDF : 262483142.5/55

yield_bpm4aX_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 6941650.3/29

Left Out: 0.019+/-0.000 χ^2/NDF : 501253.7/24

Right Out: 0.031+/-0.000 χ^2/NDF : 6878852.9/32

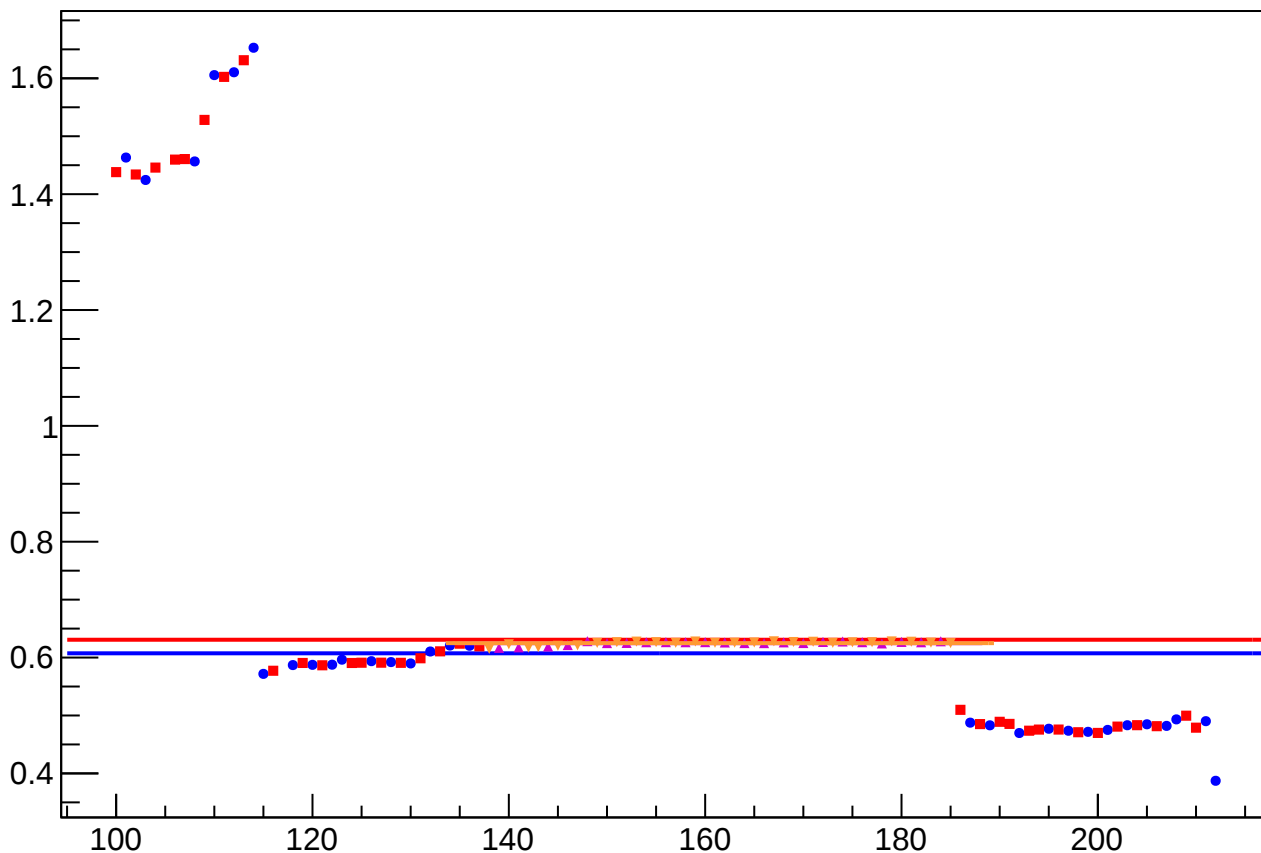
Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

+ sign 0.022+/-0.000 χ^2/NDF : 9382899.6/54

All: 0.022+/-0.000 χ^2/NDF : 19259915.5/110

- sign 0.022+/-0.000 χ^2/NDF : 9863495.9/55

yield_bpm4aY_mean vs Slug



Right In: 0.607+/-0.000 χ^2/NDF : 5215937736.2/29

Left Out: 0.625+/-0.000 χ^2/NDF :1442225.6/24

Right Out: 0.631+/-0.000 χ^2/NDF : 6163815945.7/32

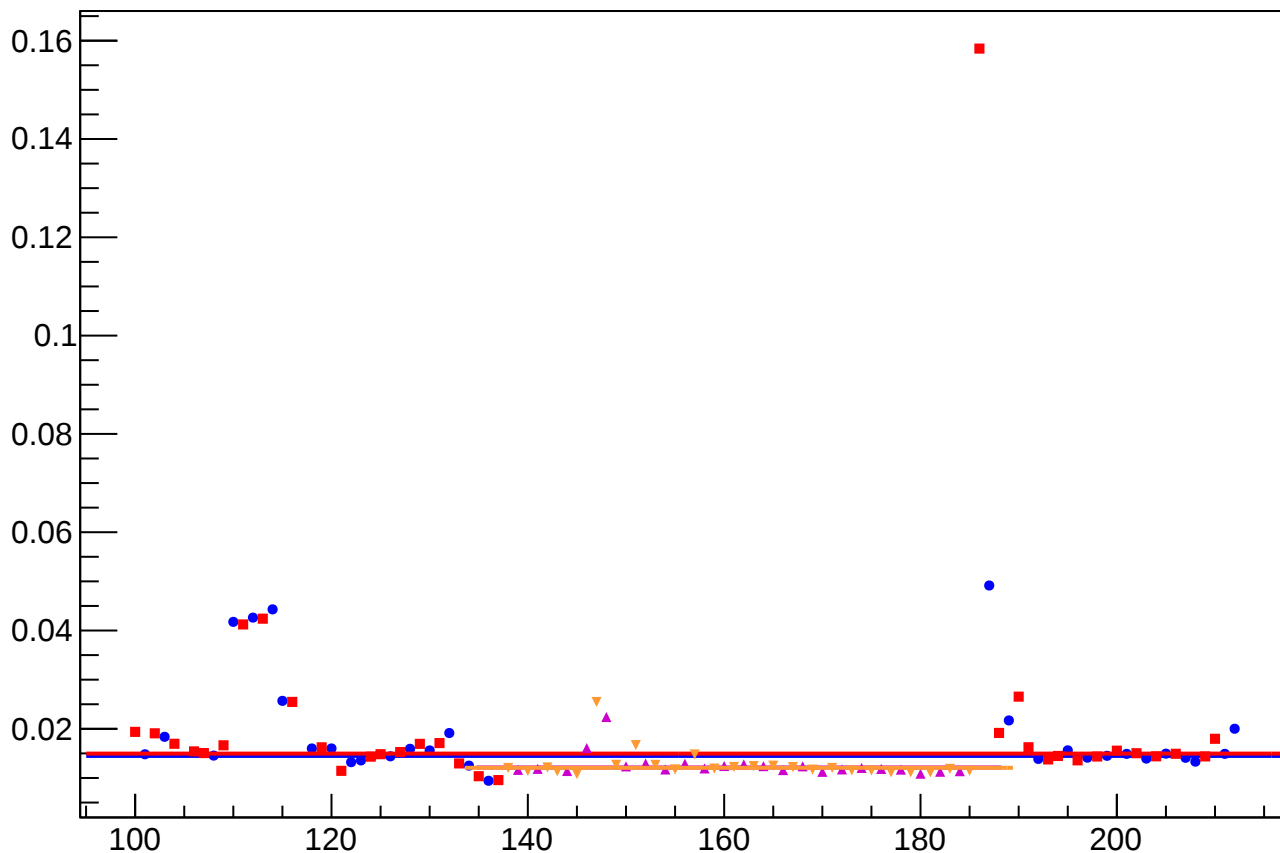
Left In: 0.625+/-0.000 χ^2/NDF :1135039.4/22

+ sign 0.619+/-0.000 χ^2/NDF : 5230807040.5/54

All: 0.623+/-0.000 χ^2/NDF : 11403706049.2/110

- sign 0.627+/-0.000 χ^2/NDF : 6166416000.8/55

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1767596.7/29

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2113748.8/32

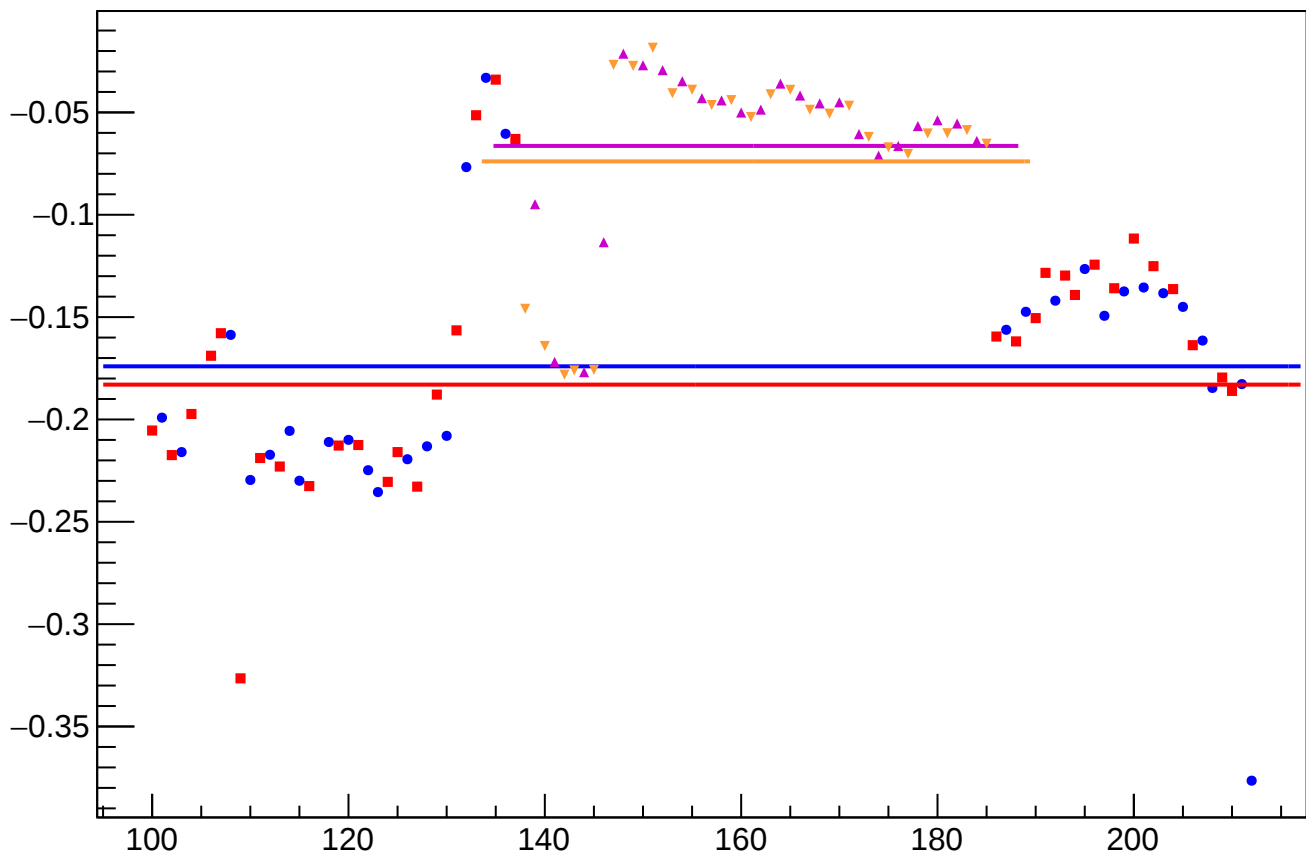
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2933878.2/54

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6206952.8/110

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3264035.8/55

yield_bpm4eX_mean vs Slug



Right In: -0.174 ± 0.000 χ^2/NDF : 79323734.9/29

Left Out: -0.074 ± 0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.183 ± 0.000 χ^2/NDF : 85897708.0/32

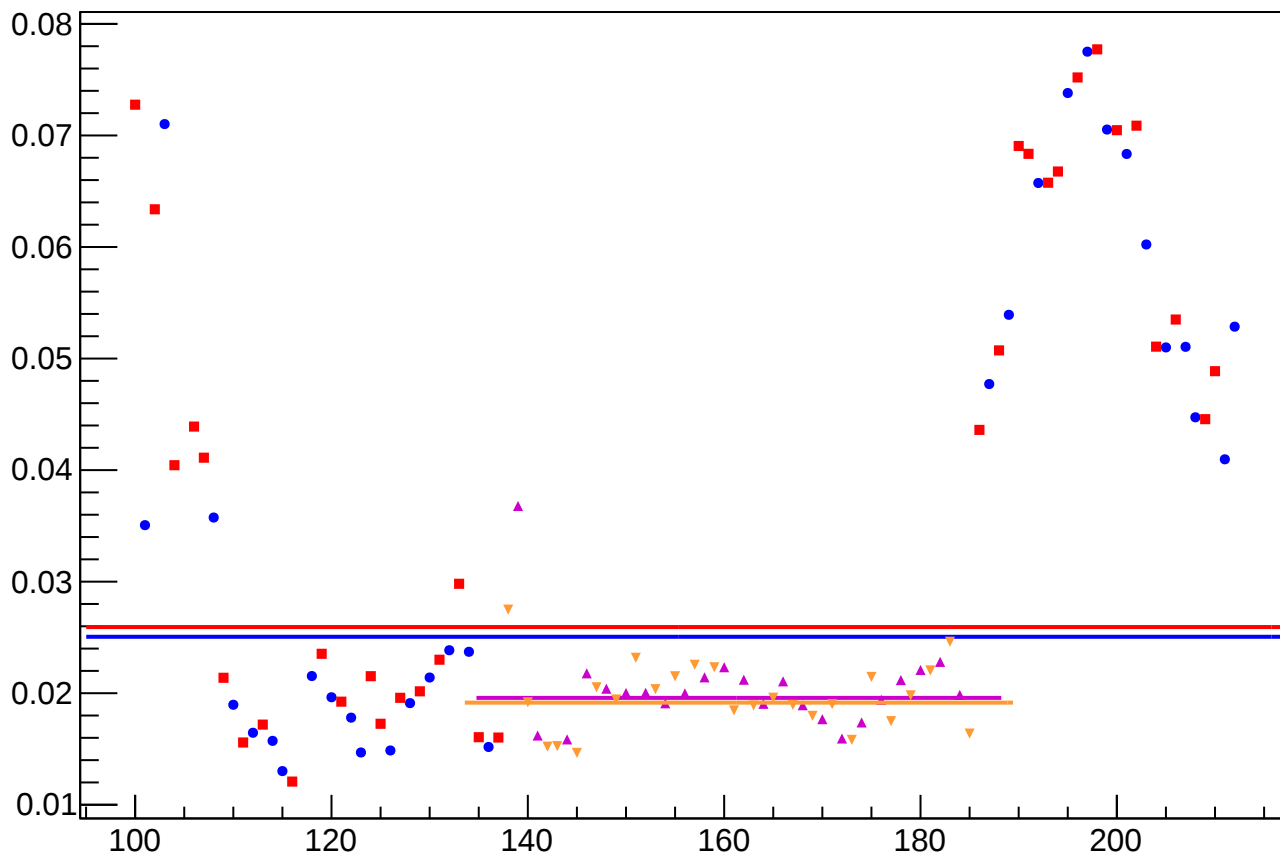
Left In: -0.066 ± 0.000 χ^2/NDF : 76283954.4/22

+ sign -0.103 ± 0.000 χ^2/NDF : 306059732.2/54

All: -0.102 ± 0.000 χ^2/NDF : 621533382.4/11

- sign -0.101 ± 0.000 χ^2/NDF : 315428407.5/55

yield_bpm4eX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2/NDF : 8129917.4/29

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF : 641027.3/24

Right Out: 0.026 $\pm$ 0.000 χ^2/NDF : 8394810.2/32

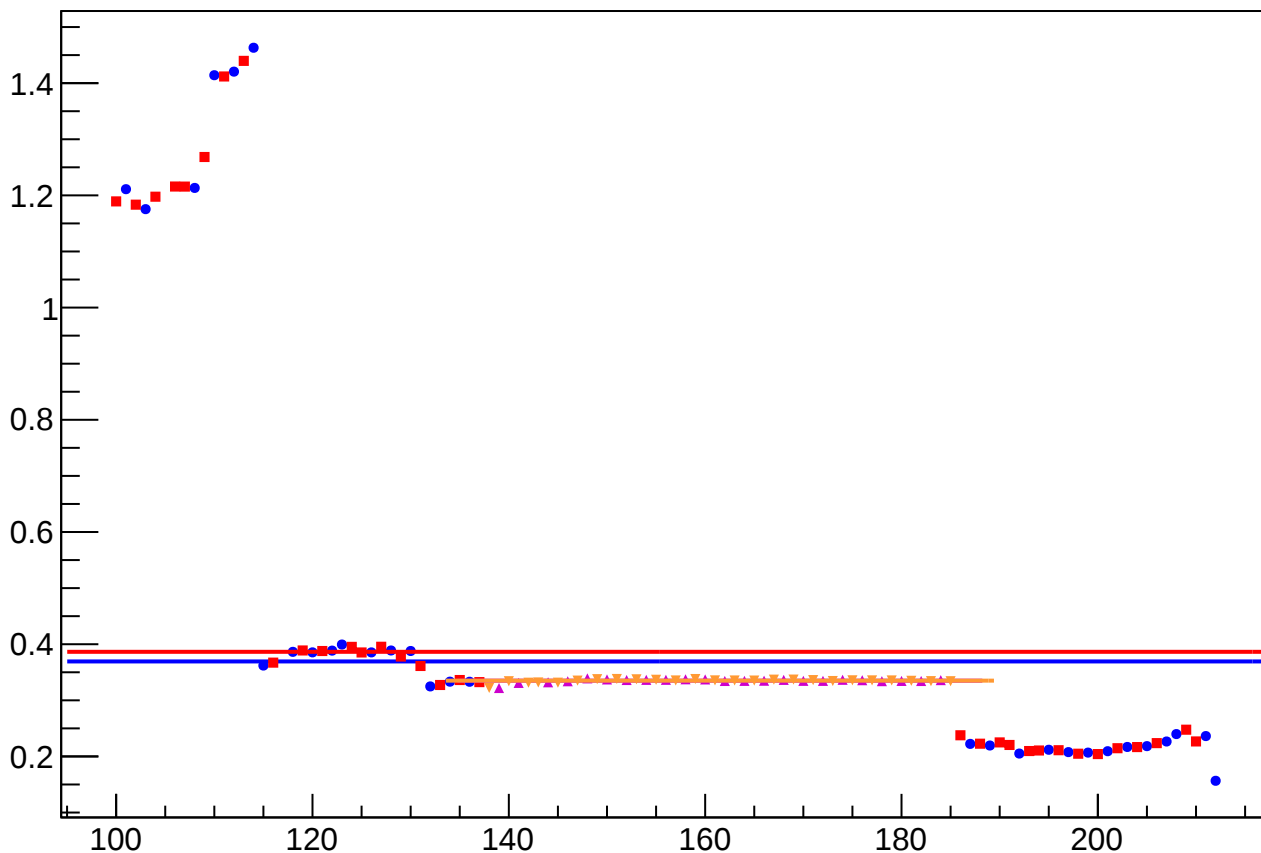
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 651328.7/22

+ sign 0.021 $\pm$ 0.000 χ^2/NDF : 9597199.5/54

All: 0.021 $\pm$ 0.000 χ^2/NDF : 19574865.0/110

- sign 0.021 $\pm$ 0.000 χ^2/NDF : 9955037.1/55

yield_bpm4eY_mean vs Slug



Right In: 0.369 $\pm$ 0.000 χ^2 /NDF: 7661328146.7/29

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1153956.7/24

Right Out: 0.386 $\pm$ 0.000 χ^2 /NDF: 8670682091.3/32

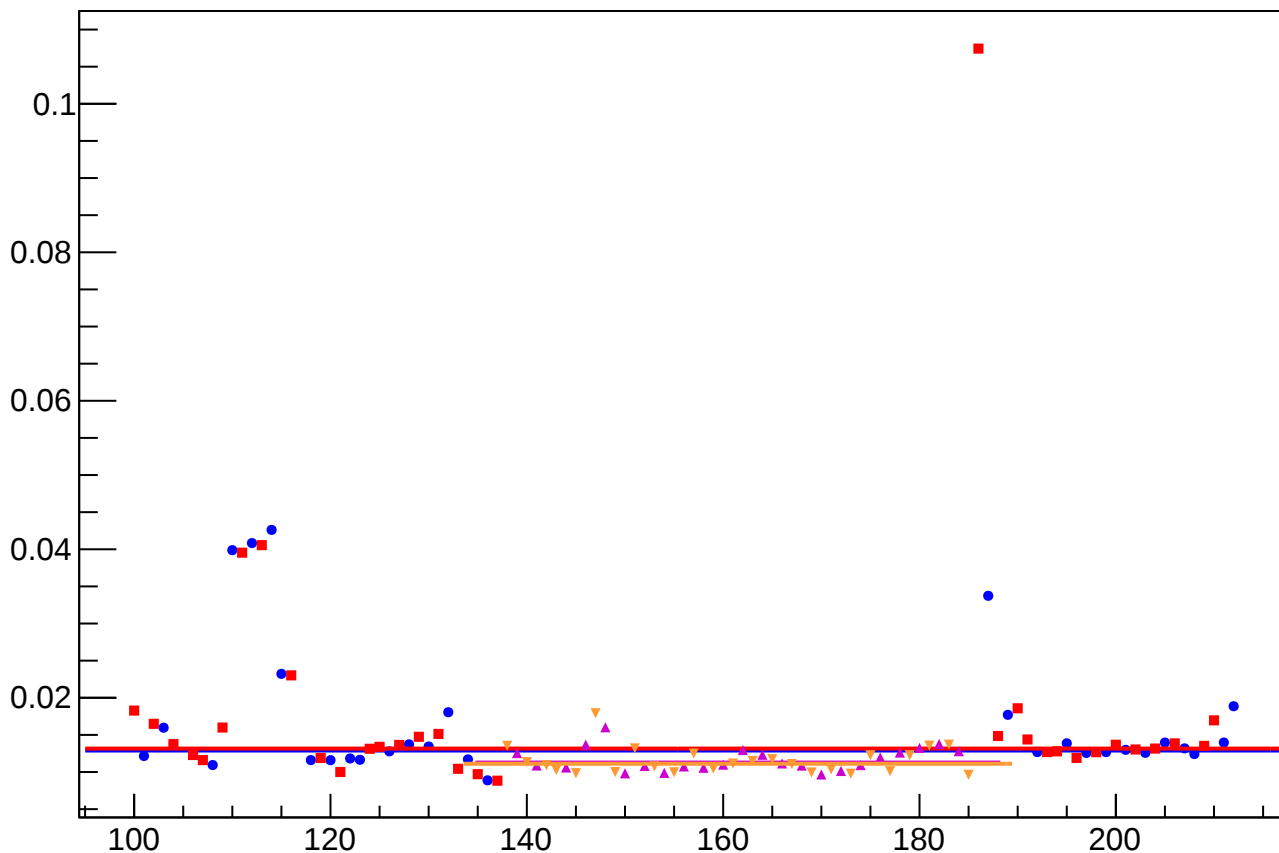
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1198302.8/22

+ sign 0.348 $\pm$ 0.000 χ^2 /NDF: 7725098815.9/54

All: 0.351 $\pm$ 0.000 χ^2 /NDF: 16538215936.5/100

- sign 0.355 $\pm$ 0.000 χ^2 /NDF: 8807481784.3/55

yield_bpm4eY_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1684979.9/29

Left Out: 0.011 ± 0.000 χ^2/NDF : 608235.7/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 2009843.0/32

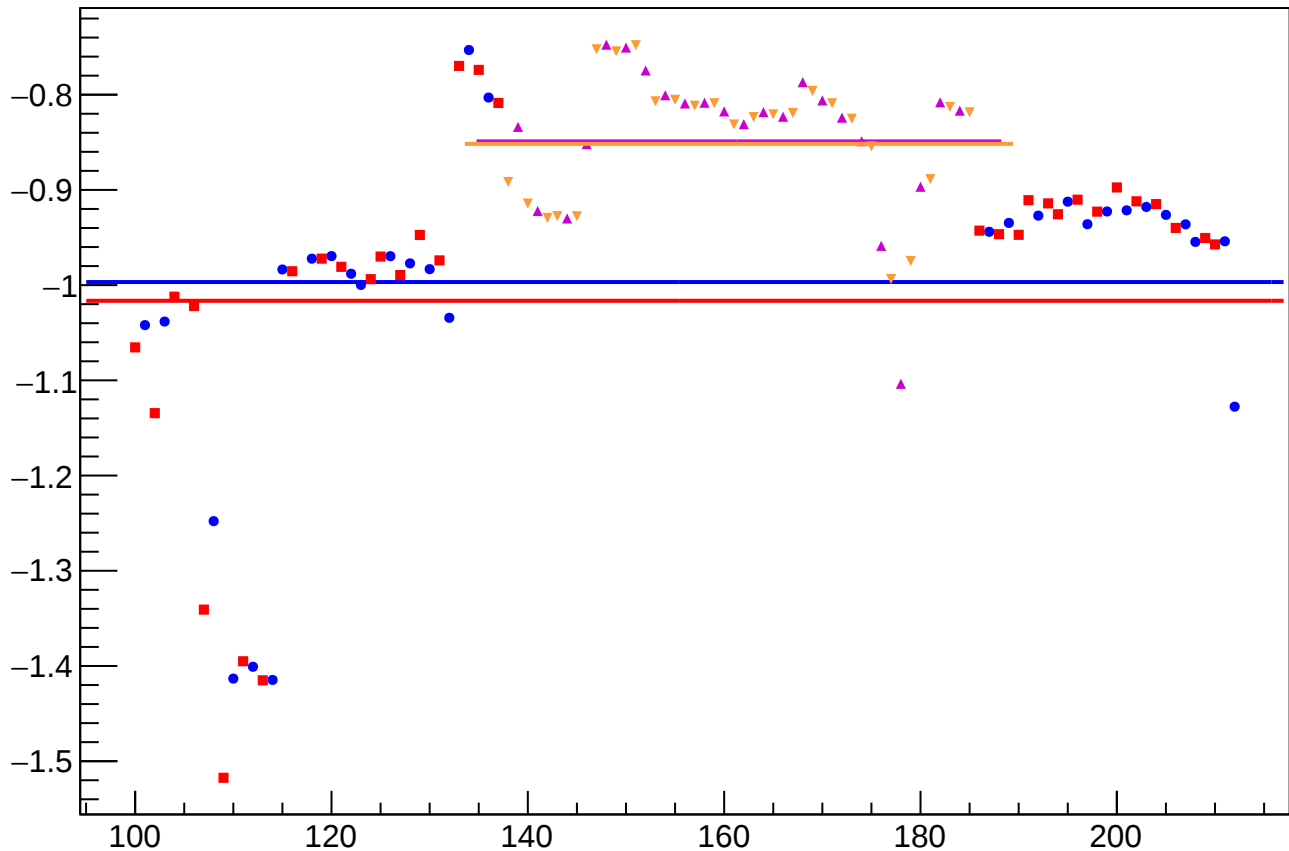
Left In: 0.011 ± 0.000 χ^2/NDF : 502226.7/22

+ sign 0.012 ± 0.000 χ^2/NDF : 2632391.8/54

All: 0.012 ± 0.000 χ^2/NDF : 5519250.3/110

- sign 0.012 ± 0.000 χ^2/NDF : 2875789.1/55

yield_bpm4acX_mean vs Slug



Right In: -0.997 ± 0.000 χ^2/NDF : 408676458.0/29

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.016 ± 0.000 χ^2/NDF : 559228618.2/32

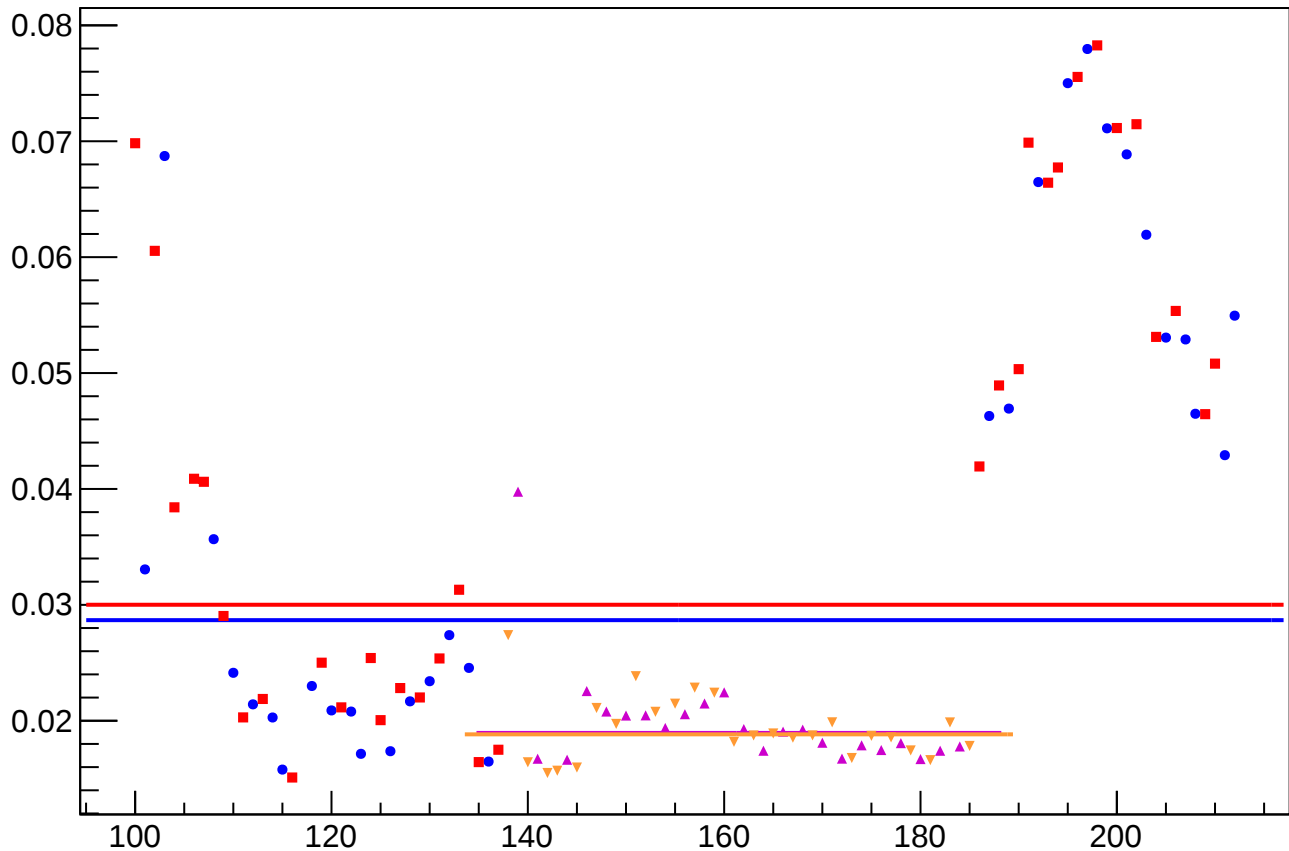
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.887 ± 0.000 χ^2/NDF : 812302324.9/54

All: -0.889 ± 0.000 χ^2/NDF : 1899908413.4/1

- sign -0.891 ± 0.000 χ^2/NDF : 1087248393.2/55

yield_bpm4acX_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 6887604.3/29

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490084.5/24

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 6803959.4/32

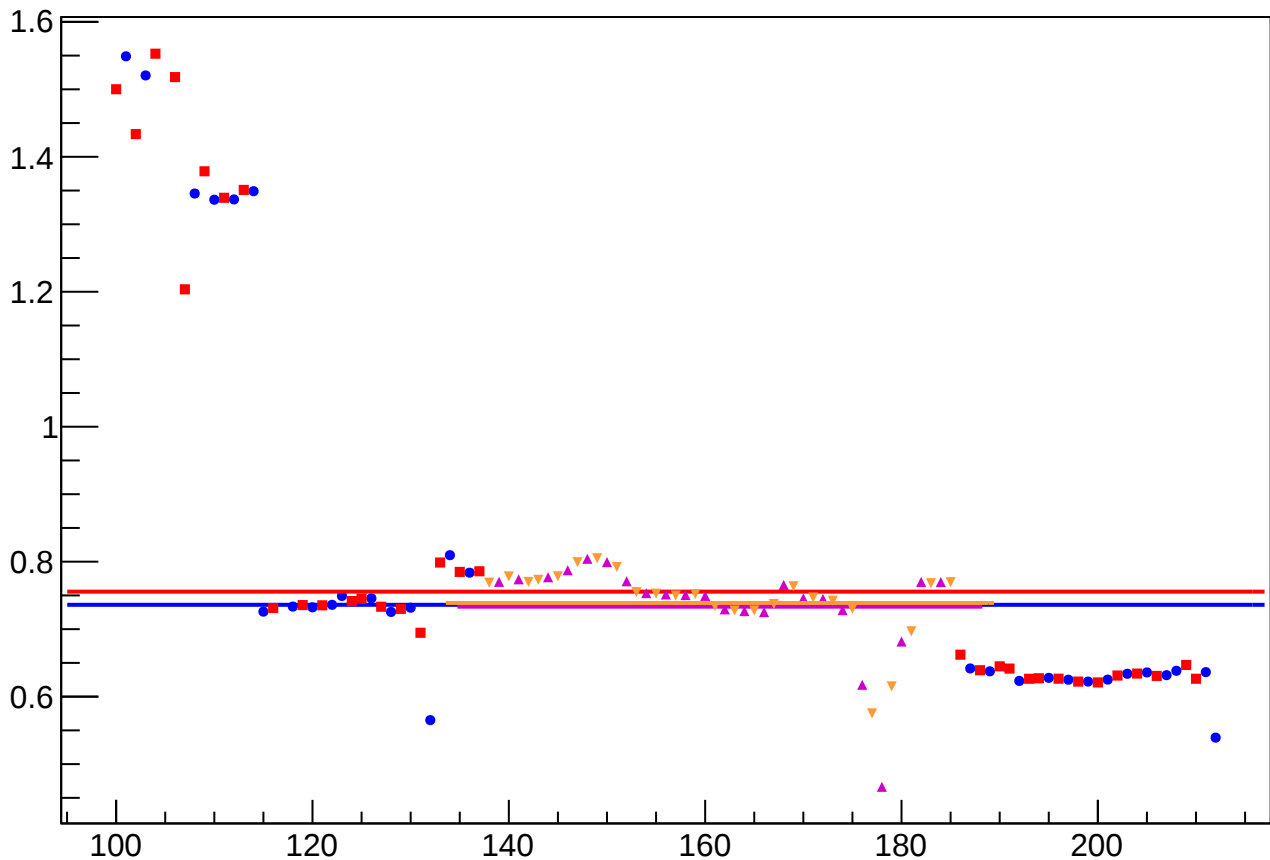
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:645048.1/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9353675.4/54

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 19185783.8/110

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 9820267.8/55

yield_bpm4acY_mean vs Slug



Right In: 0.736 $\pm$ 0.000 χ^2/NDF : 3590696188.5/29

Left Out: 0.739 $\pm$ 0.000 χ^2/NDF :333086309.0/24

Right Out: 0.756 $\pm$ 0.000 χ^2/NDF : 3842094317.8/32

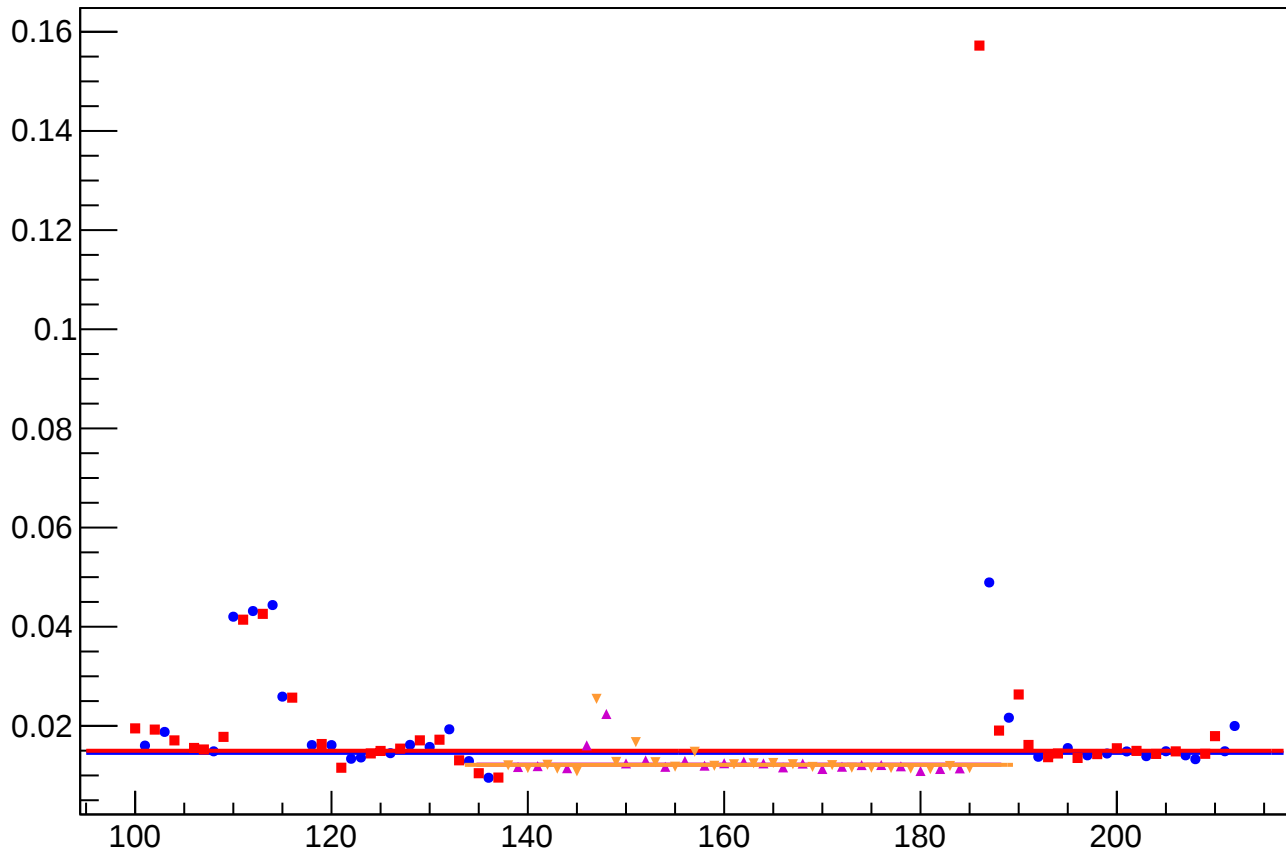
Left In: 0.733 $\pm$ 0.000 χ^2/NDF :570264411.7/22

+ sign 0.738 $\pm$ 0.000 χ^2/NDF : 3924102388.6/54

All: 0.740 $\pm$ 0.000 χ^2/NDF : 8358114450.4/11

- sign 0.741 $\pm$ 0.000 χ^2/NDF : 4432817466.6/55

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1765865.0/29

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2116945.9/32

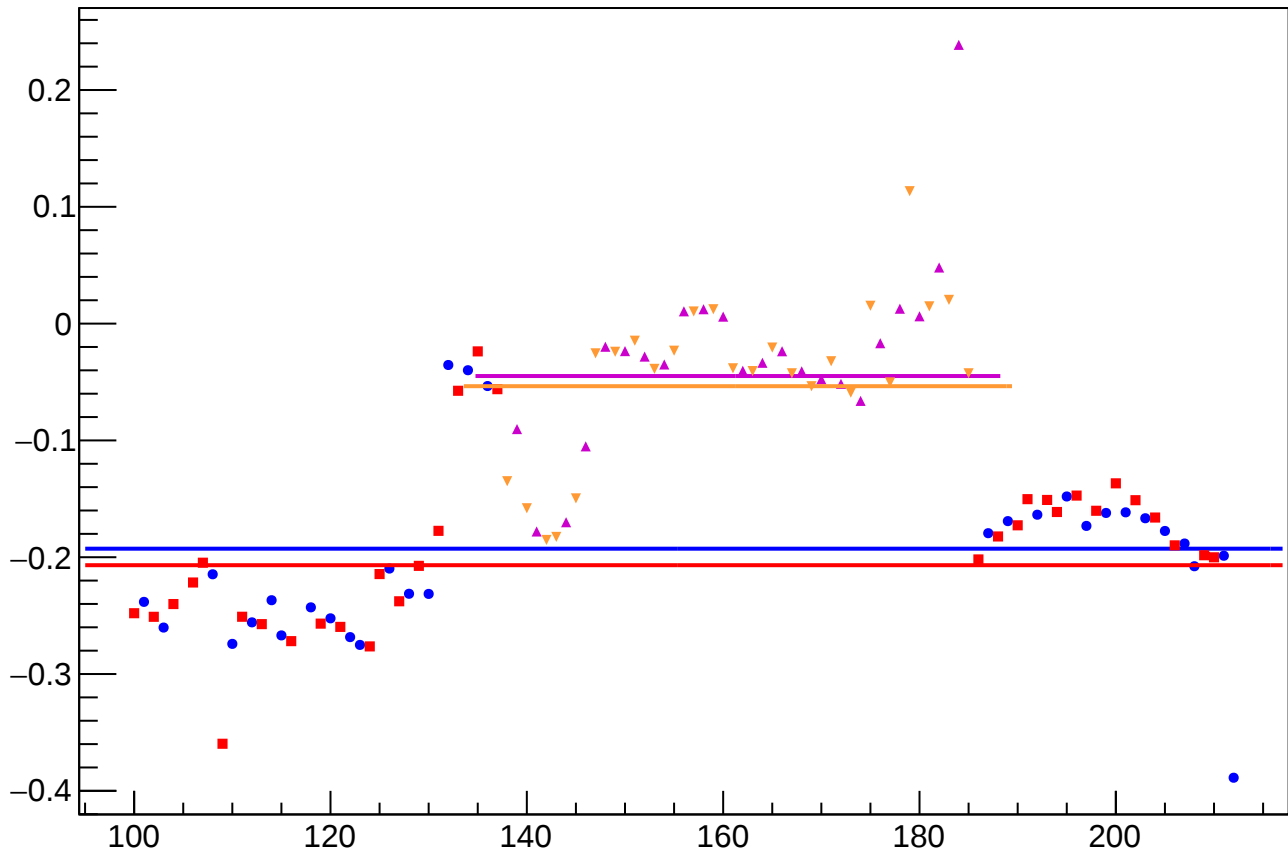
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2905124.9/54

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6154215.0/110

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3241790.4/55

yield_bpm4ecX_mean vs Slug



Right In: -0.193+/-0.000 χ^2/NDF : 116898858.1/29

Left Out: -0.054+/-0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.207+/-0.000 χ^2/NDF : 113859490.6/32

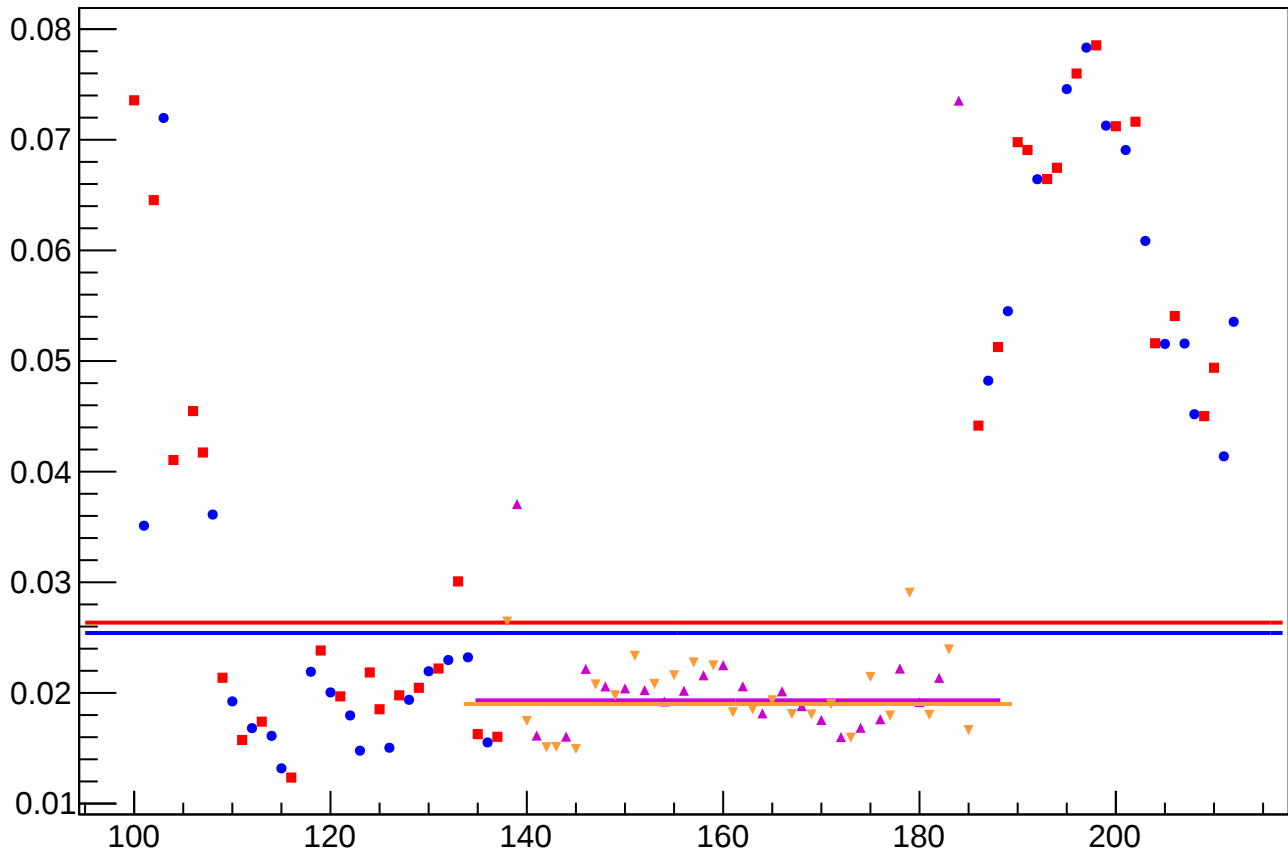
Left In: -0.045+/-0.000 χ^2/NDF : 127324000.1/22

+ sign -0.093+/-0.000 χ^2/NDF : 508955721.5/54

All: -0.093+/-0.000 χ^2/NDF : 1038983457.7/1

- sign -0.093+/-0.000 χ^2/NDF : 530017042.6/55

yield_bpm4ecX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 8070004.8/29

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:699267.5/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 8338787.5/32

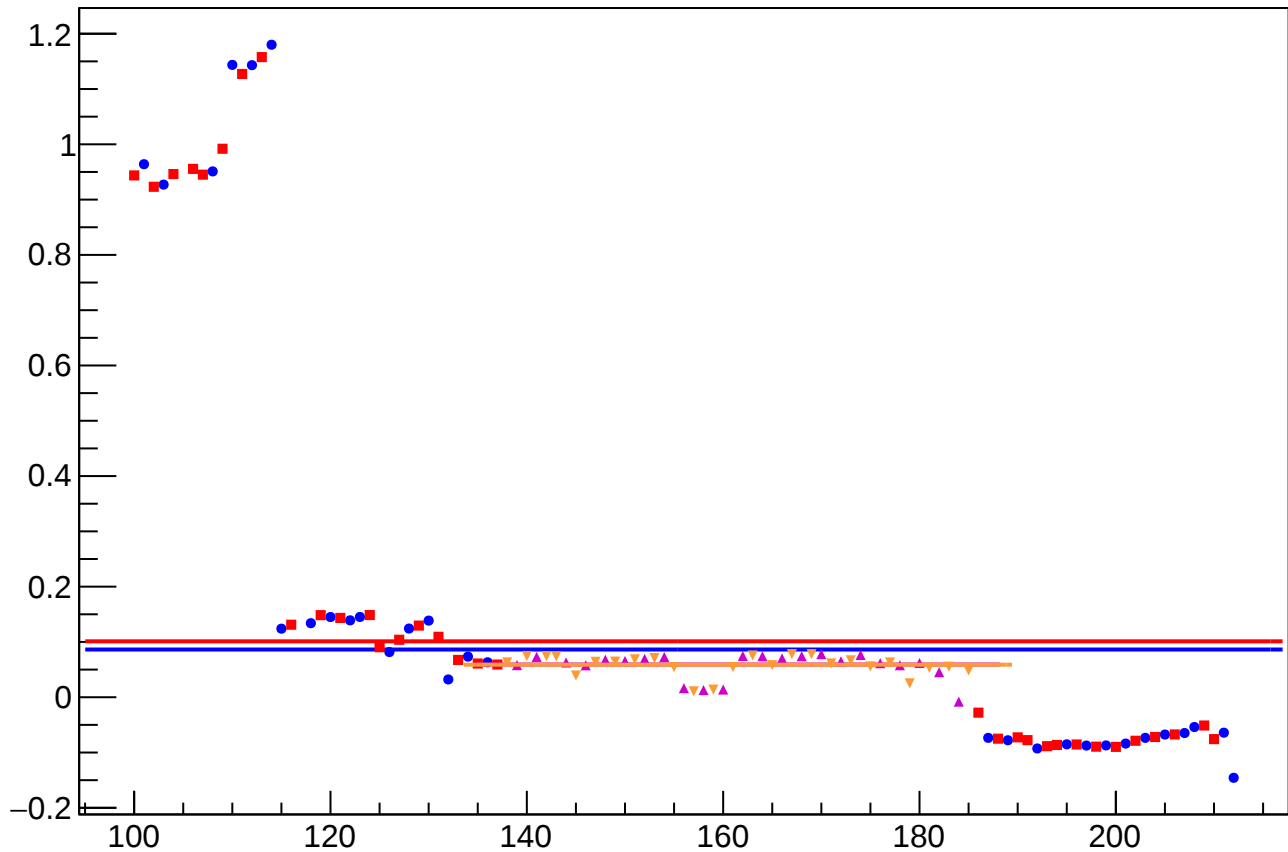
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:892810.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9724906.6/54

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 20061716.6/110

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 10318778.8/55

yield_bpm4ecY_mean vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 8310578231.0/29

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.101 $\pm$ 0.000 χ^2 /NDF: 9167773471.3/32

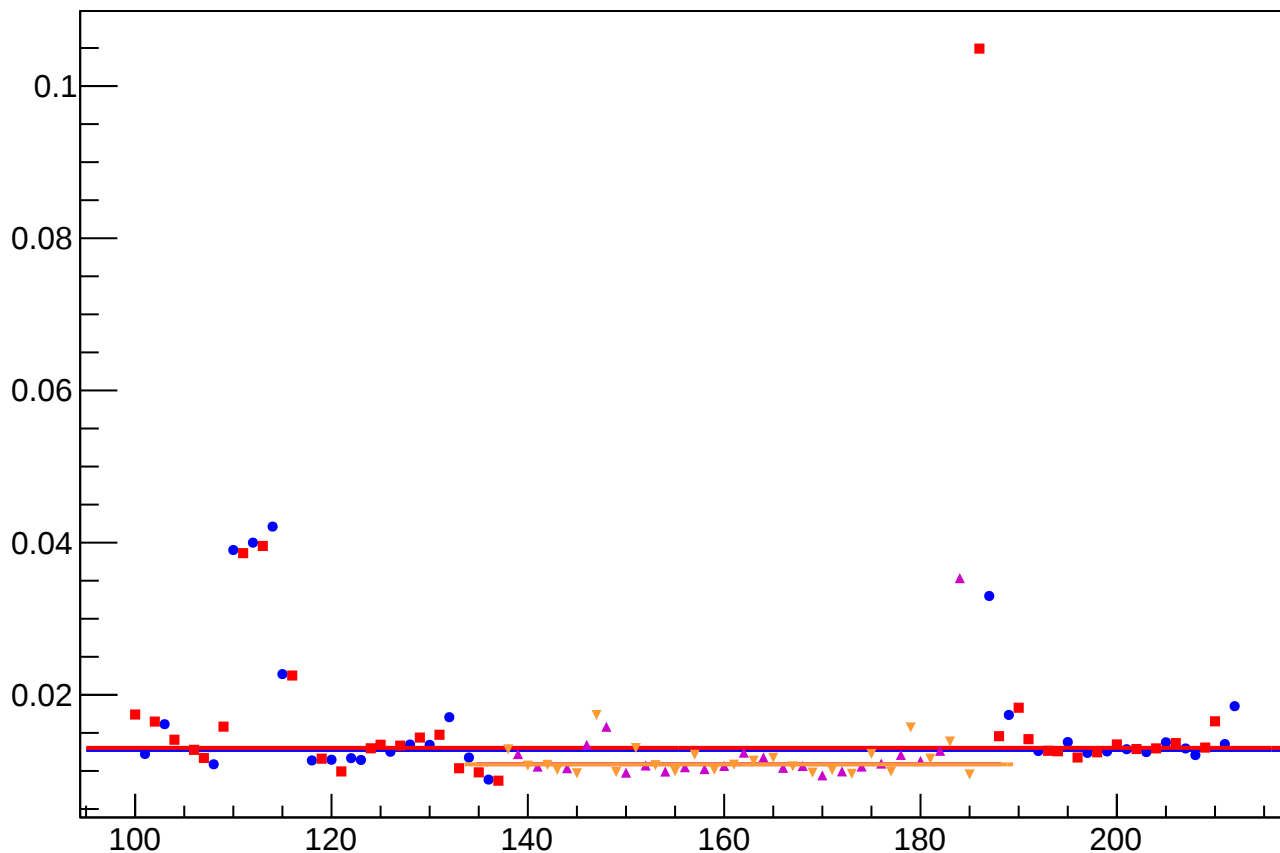
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.069 $\pm$ 0.000 χ^2 /NDF: 8398455118.3/54

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 17721860700.8/100

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 9319206434.3/55

yield_bpm4ecY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1641294.6/29

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1956968.6/32

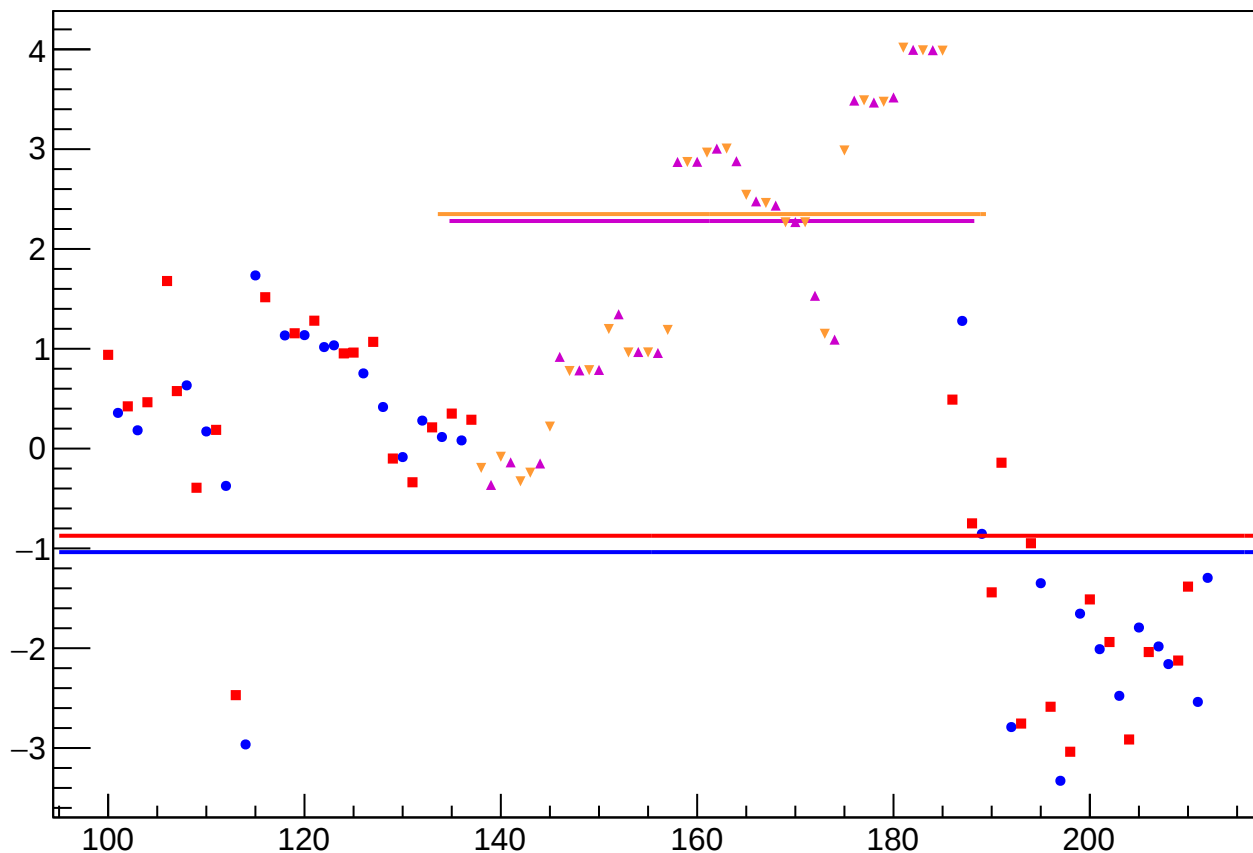
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:529867.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2638961.2/54

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5614090.3/110

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2970966.6/55

yield_bpm1X_mean vs Slug



Right In: -1.037 ± 0.000 $\chi^2/\text{NDF}: 7726546838.6/29$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.873 ± 0.000 $\chi^2/\text{NDF}: 8158754429.9/32$

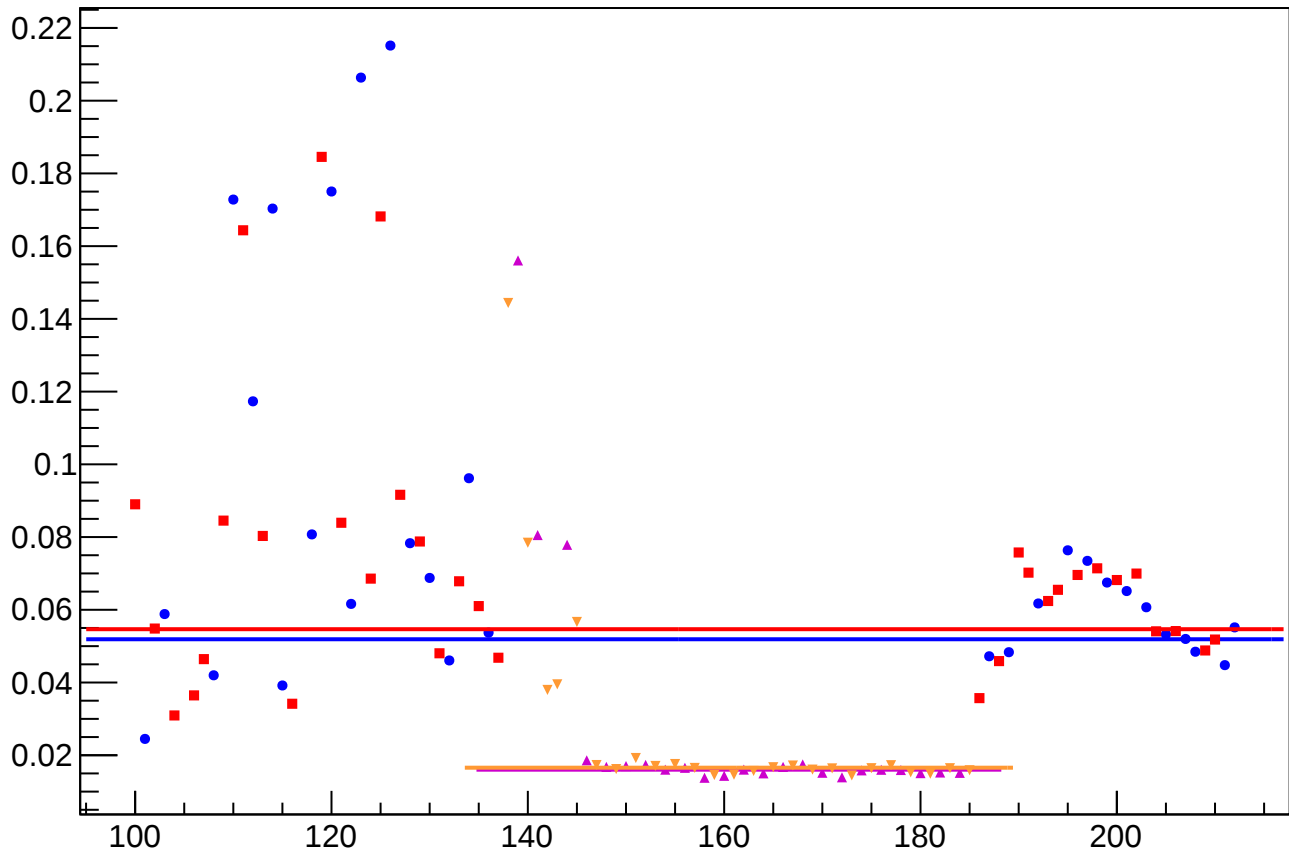
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.080 ± 0.000 $\chi^2/\text{NDF}: 118022416406.4/54$

All: 2.061 ± 0.000 $\chi^2/\text{NDF}: 226674471876.7$

- sign 2.043 ± 0.000 $\chi^2/\text{NDF}: 108614492949.7/55$

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3509871.3/29

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2864653.9/32

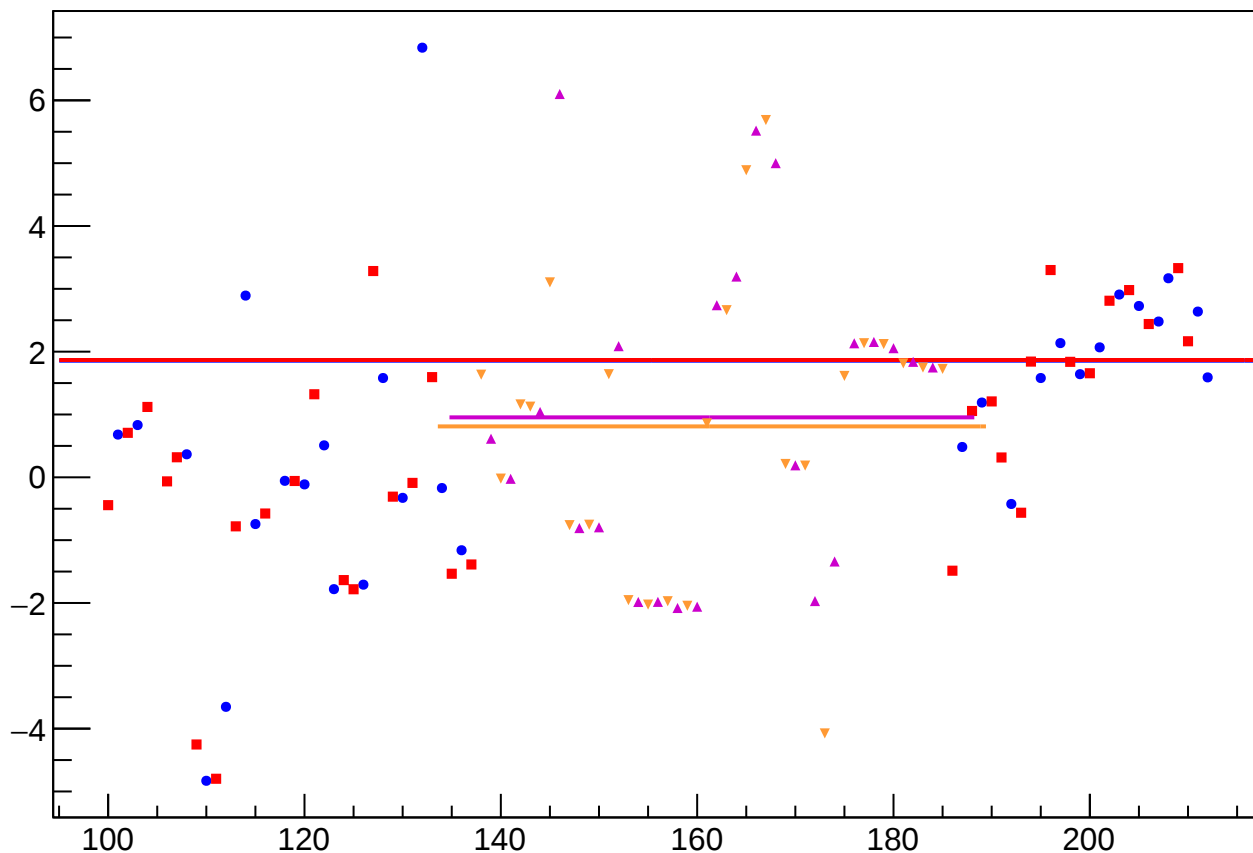
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 16290328.2/54

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 33340430.9/110

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 17038498.4/55

yield_bpm1Y_mean vs Slug



Right In: 1.857 $\pm$ 0.000 χ^2 /NDF: 38533879083.4/29

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 1.867 $\pm$ 0.000 χ^2 /NDF: 39502985897.3/32

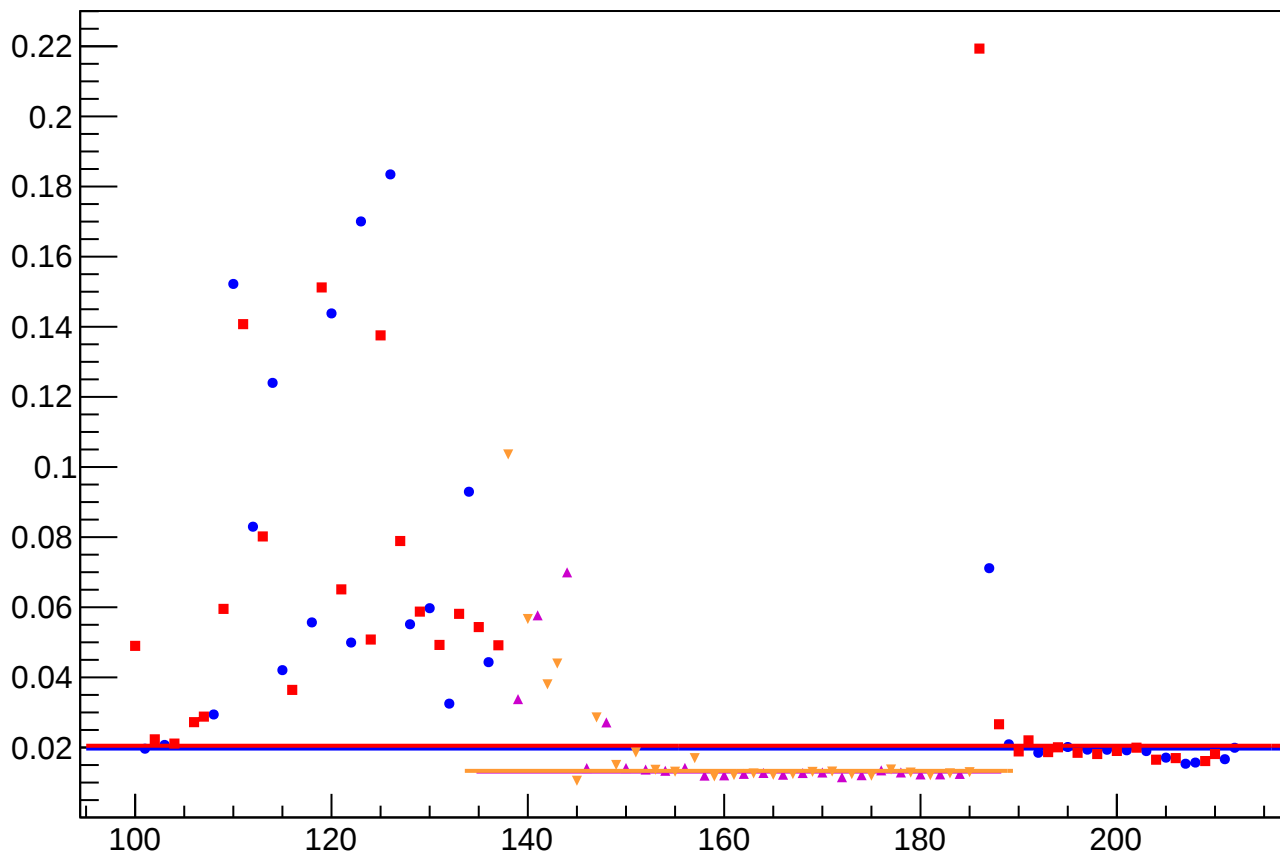
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 1.069 $\pm$ 0.000 χ^2 /NDF: 569117950705.6/54

All: 1.118 $\pm$ 0.000 χ^2 /NDF: 1200680743361.

- sign 1.168 $\pm$ 0.000 χ^2 /NDF: 631008045906.5/55

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 4113121.0/29

Left Out: 0.013+/-0.000 χ^2/NDF :2829070.5/24

Right Out: 0.021+/-0.000 χ^2/NDF : 5167439.1/32

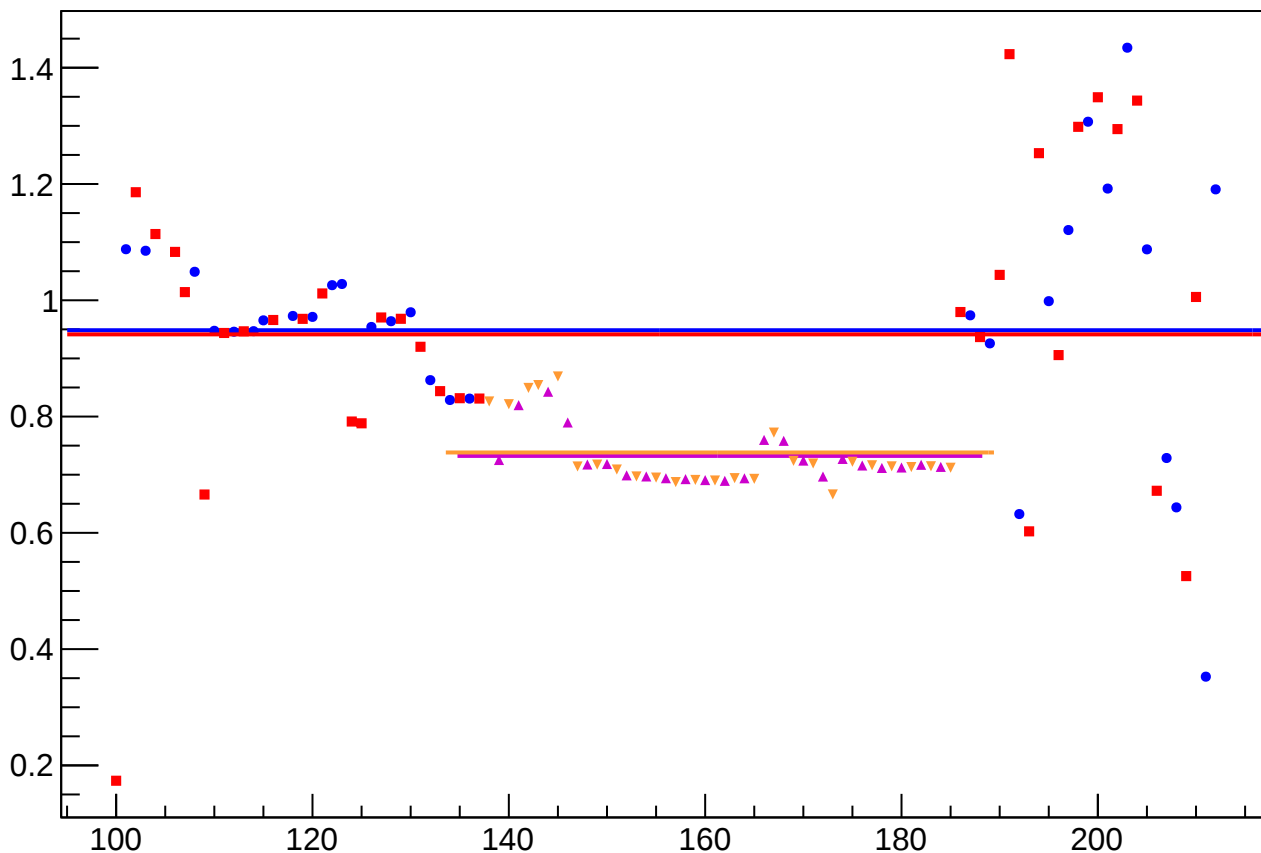
Left In: 0.013+/-0.000 χ^2/NDF :1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8641081.3/54

All: 0.015+/-0.000 χ^2/NDF : 17956251.8/110

- sign 0.015+/-0.000 χ^2/NDF : 9314892.6/55

yield_bpm11X_mean vs Slug



Right In: 0.948 $\pm$ 0.000 χ^2 /NDF: 910983712.8/29

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

Right Out: 0.941 $\pm$ 0.000 χ^2 /NDF: 1131298059.7/32

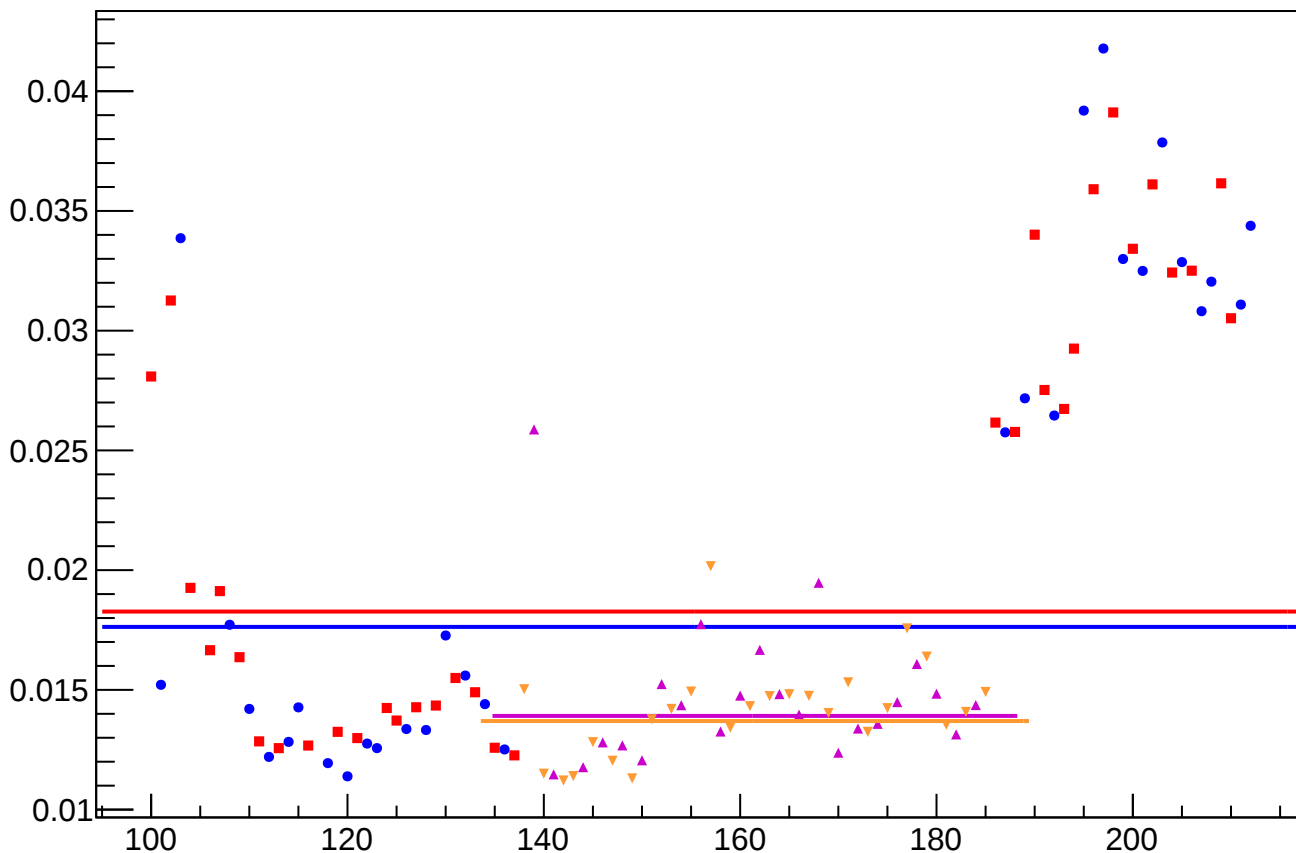
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

+ sign 0.803 $\pm$ 0.000 χ^2 /NDF: 2396597378.9/54

All: 0.801 $\pm$ 0.000 χ^2 /NDF: 4831084449.0/11

- sign 0.800 $\pm$ 0.000 χ^2 /NDF: 2433878119.2/55

yield_bpm11X_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 5131593.0/29

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 4536115.0/32

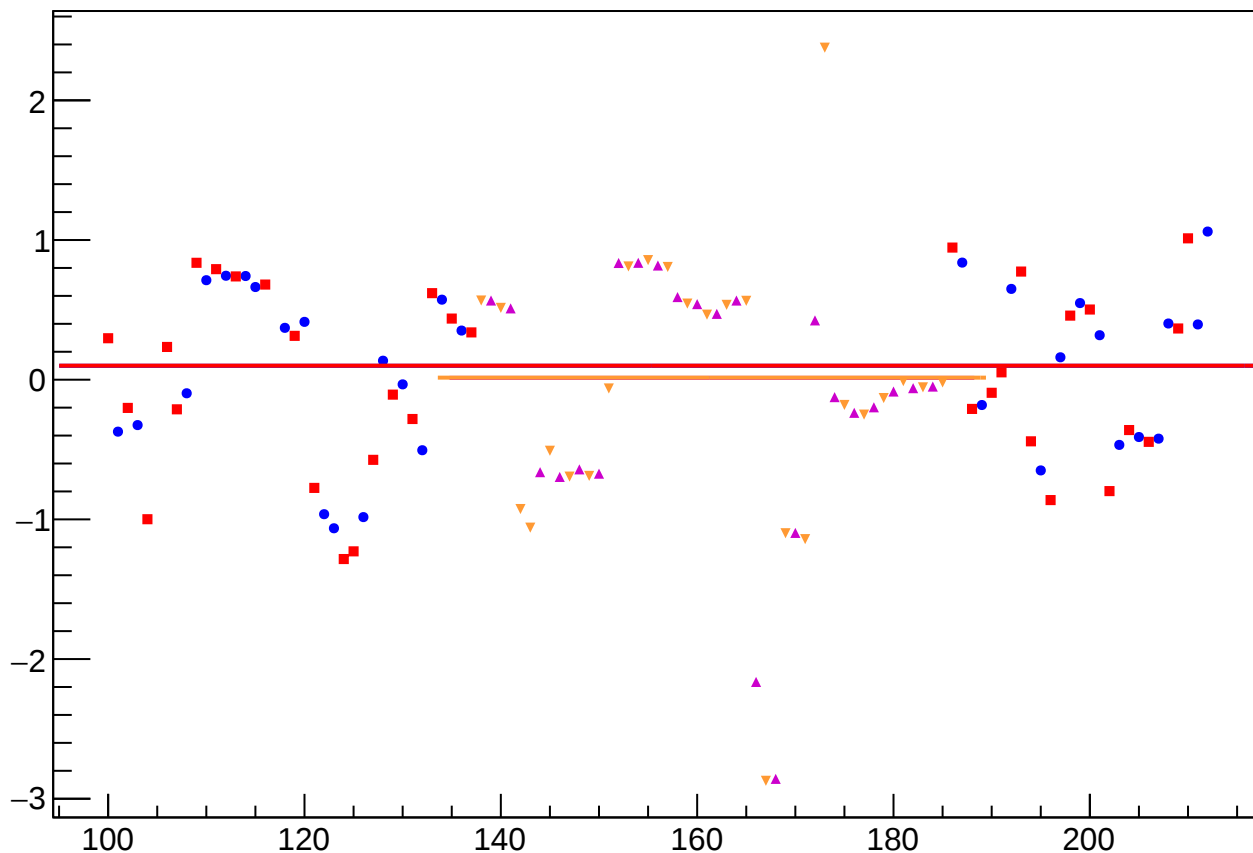
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 6484075.8/54

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 12819018.2/110

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 6314424.1/55

yield_bpm11Y_mean vs Slug



Right In: 0.100 $\pm$ 0.000 χ^2 /NDF: 28085881555.1/29

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF:96087835995.8/24

Right Out: 0.100 $\pm$ 0.000 χ^2 /NDF: 37814960921.2/32

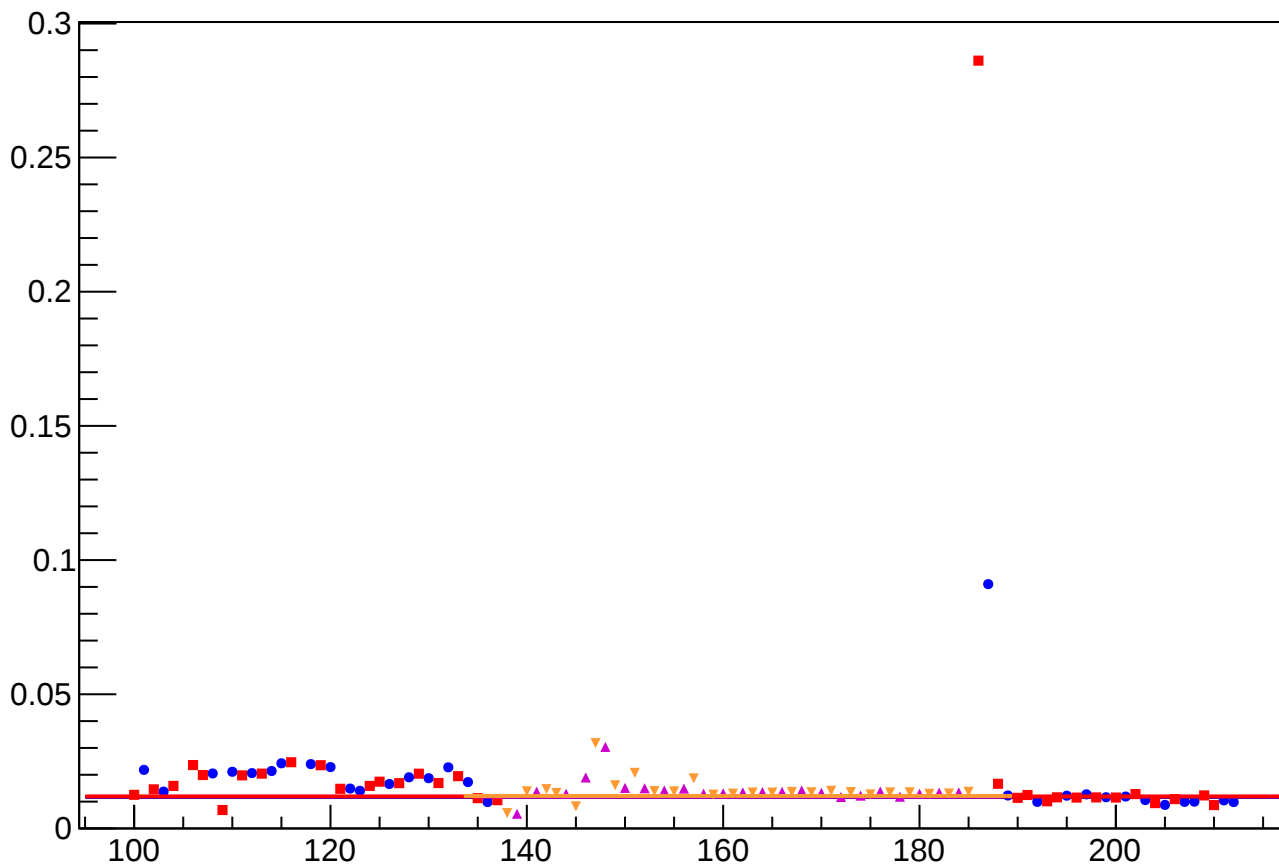
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:79445696658.6/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 124541600491.4/54

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 242183245618.9

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 117641629787.9/55

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2400823.7/29

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2876721.8/32

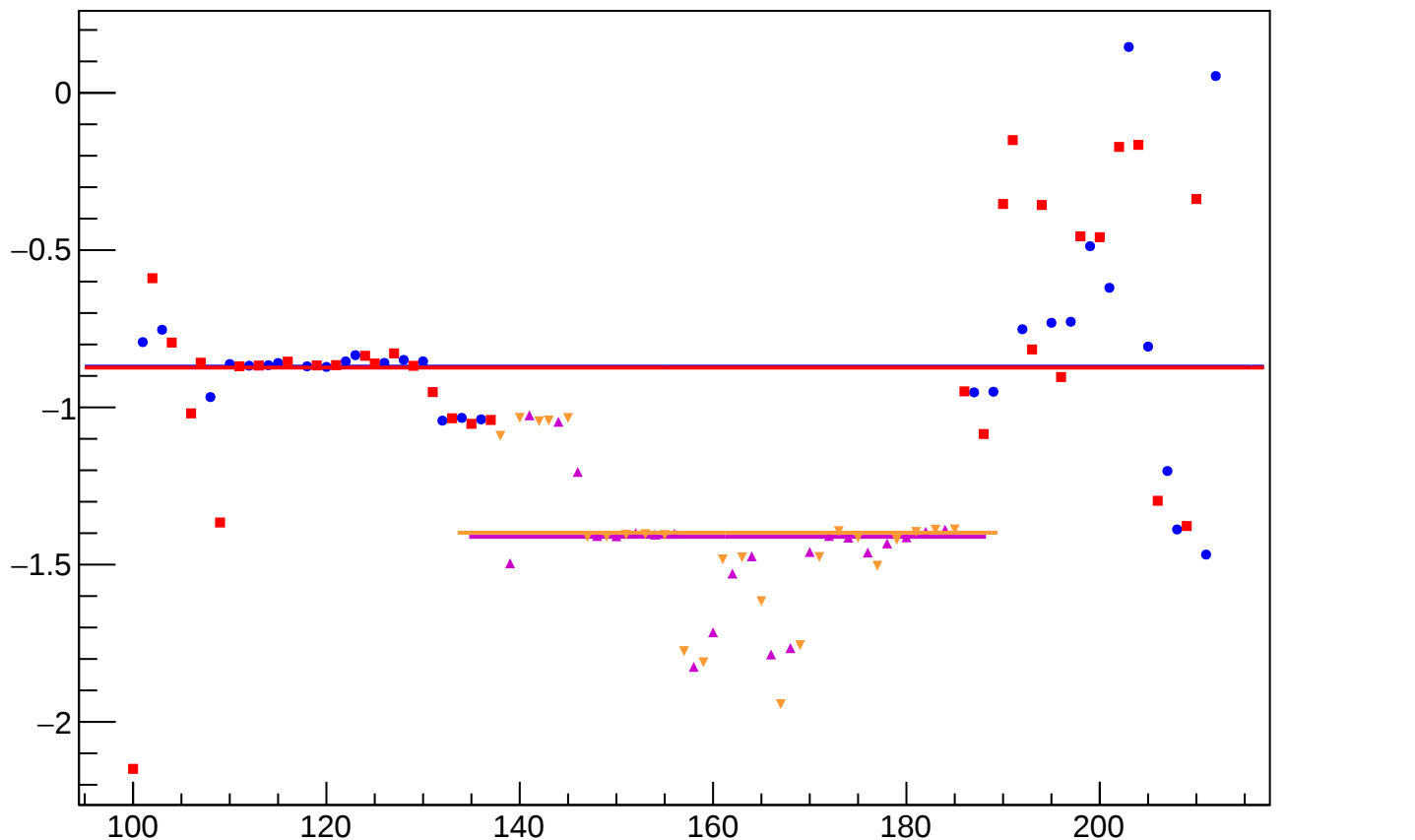
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5524758.3/54

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11507433.0/110

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5982672.3/55

yield_bpm12X_mean vs Slug



Right In: -0.871 ± 0.000 χ^2/NDF : 338405694.9/29

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.873 ± 0.000 χ^2/NDF : 449045109.1/32

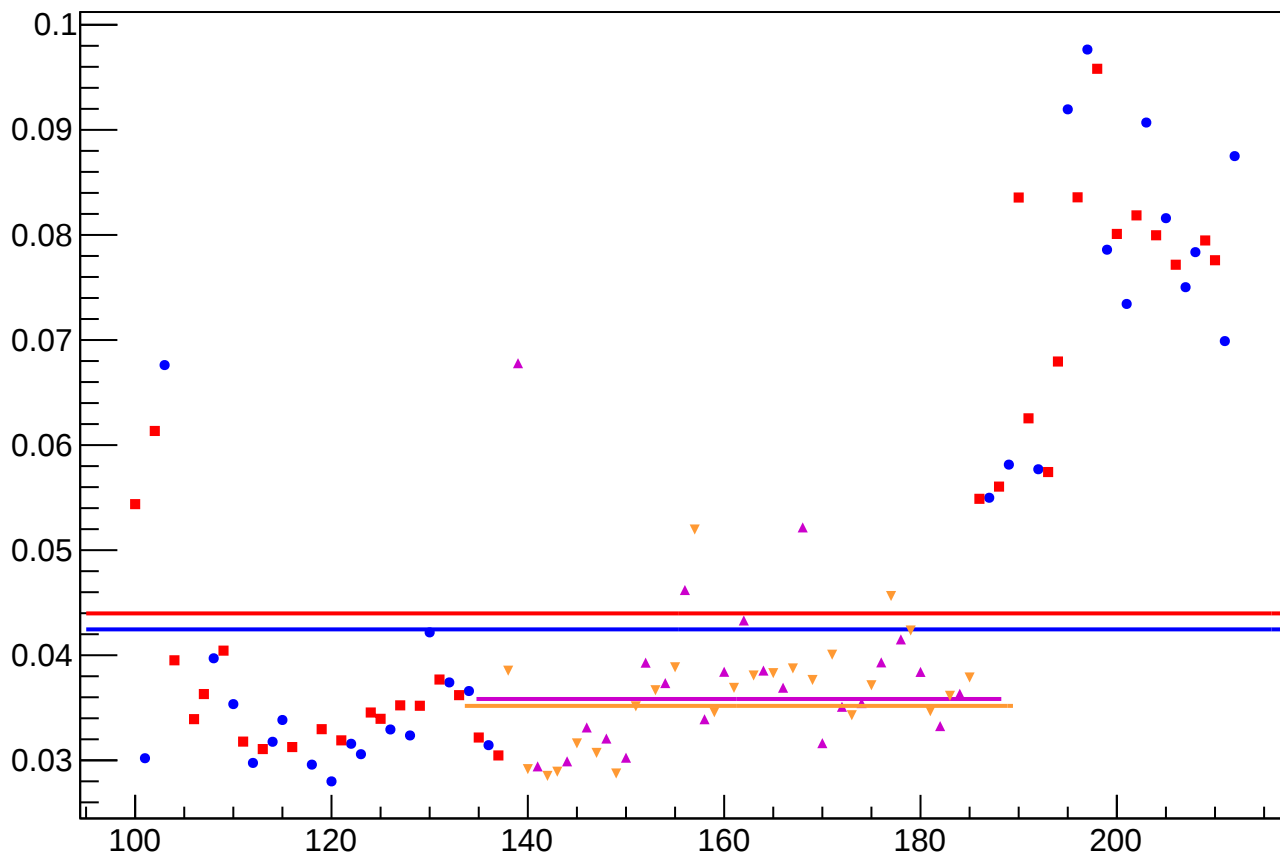
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.217 ± 0.000 χ^2/NDF : 2315542399.2/54

All: -1.217 ± 0.000 χ^2/NDF : 4527057836.4/1

- sign -1.218 ± 0.000 χ^2/NDF : 2211514231.5/55

yield_bpm12X_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 4871396.3/29

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:597886.0/24

Right Out: 0.044 $\pm$ 0.000 χ^2 /NDF: 4045408.1/32

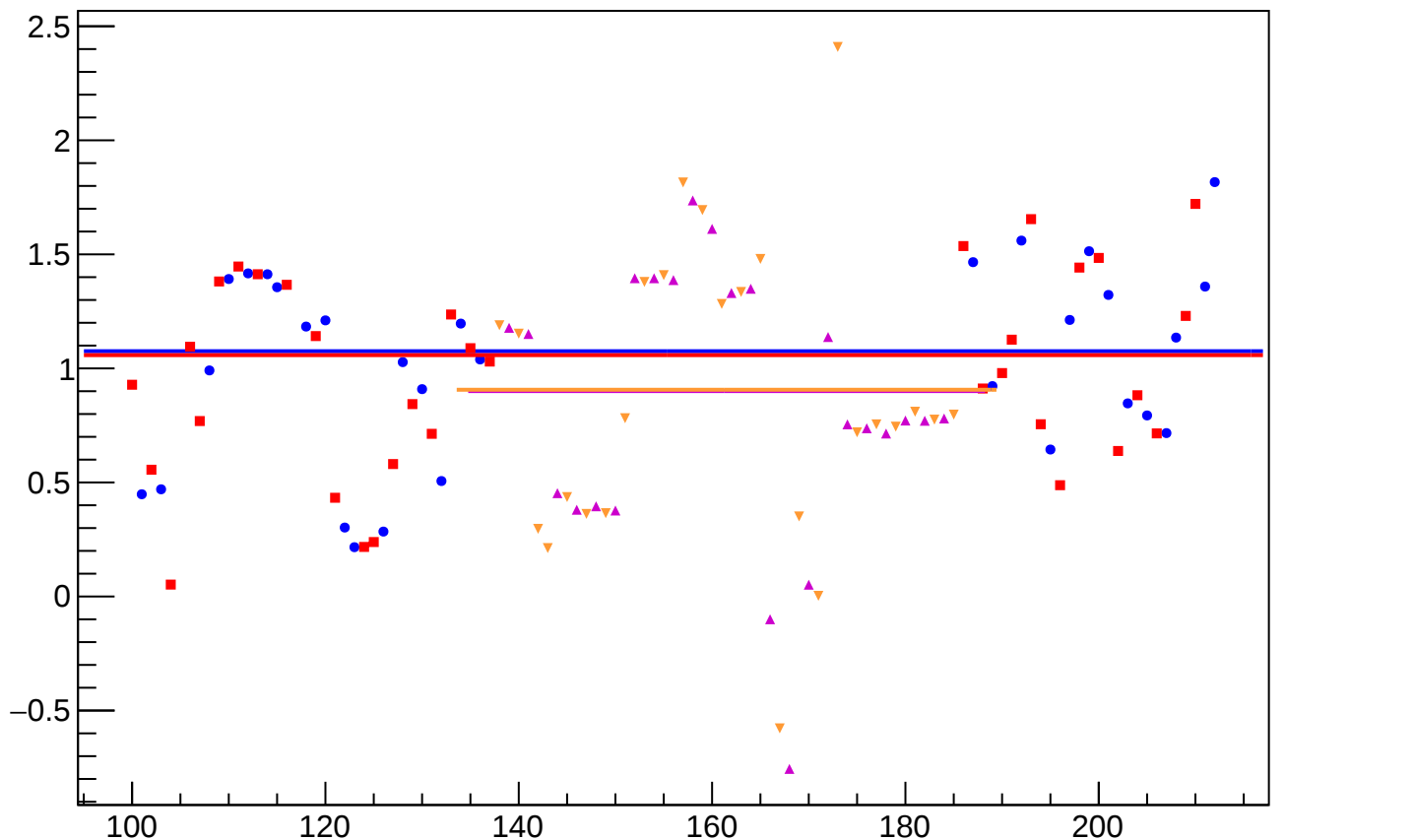
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:890993.5/22

+ sign 0.038 $\pm$ 0.000 χ^2 /NDF: 5941946.3/54

All: 0.038 $\pm$ 0.000 χ^2 /NDF: 11474135.5/110

- sign 0.039 $\pm$ 0.000 χ^2 /NDF: 5509209.9/55

yield_bpm12Y_mean vs Slug



Right In: 1.075+/-0.000 χ^2/NDF : 36825455740.0/29

Left Out: 0.906+/-0.000 χ^2/NDF : 84108410196.2/24

Right Out: 1.058+/-0.000 χ^2/NDF : 38066889799.9/32

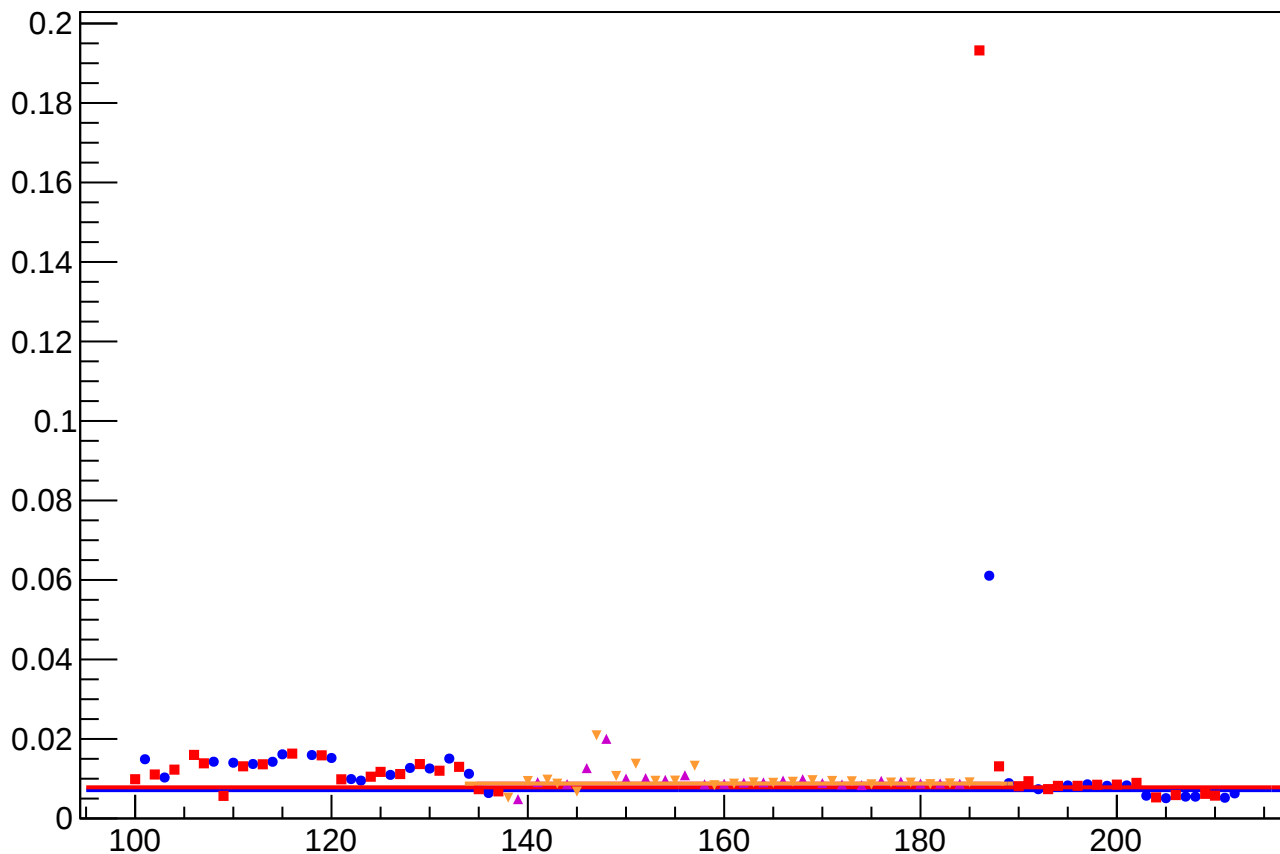
Left In: 0.901+/-0.000 χ^2/NDF : 66932223067.8/22

+ sign 0.998+/-0.000 χ^2/NDF : 124319917887.4/54

All: 0.990+/-0.000 χ^2/NDF : 232034696258.0

- sign 0.982+/-0.000 χ^2/NDF : 107655558576.8/55

yield_bpm12Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3417179.7/29

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3442238.4/32

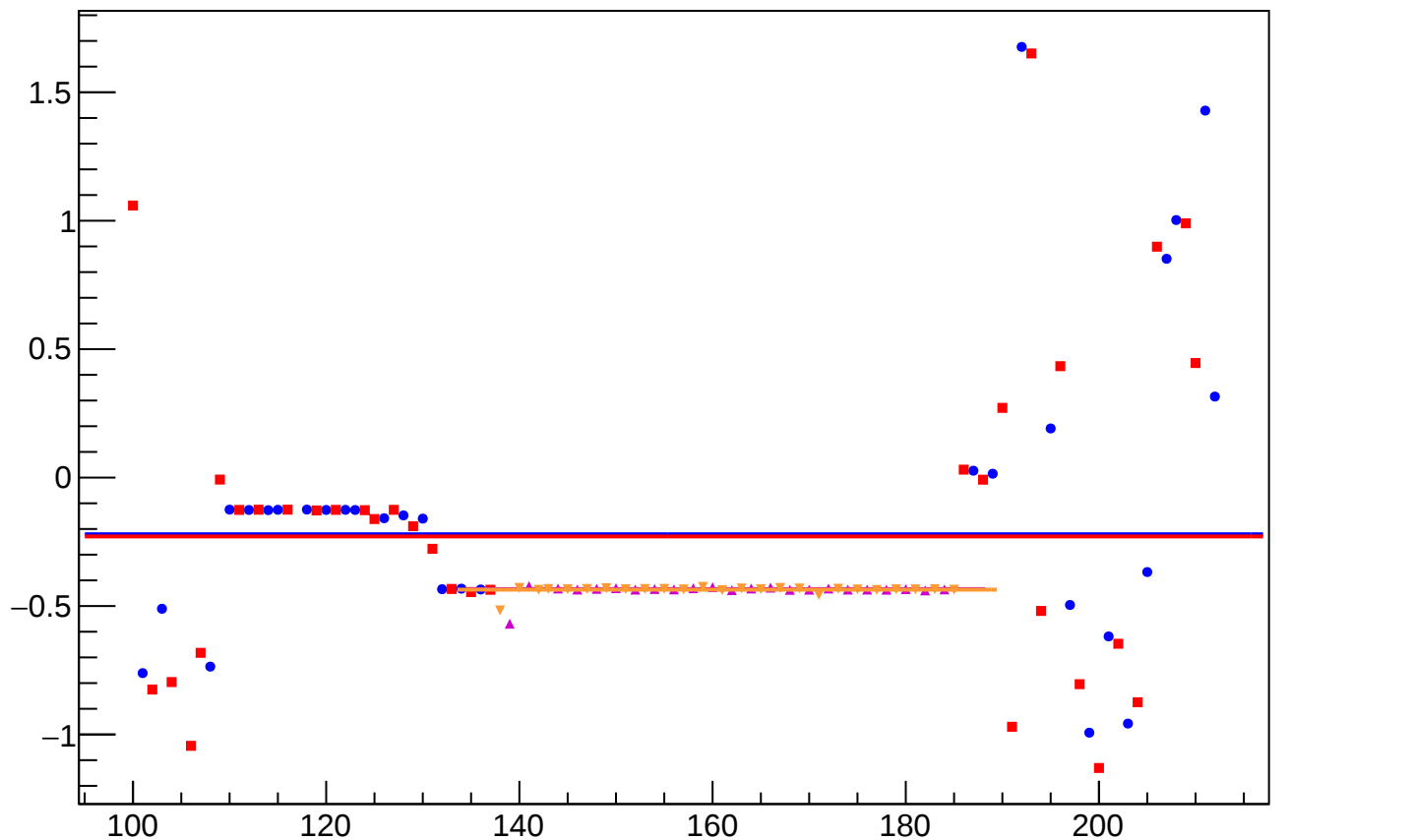
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5768888.9/54

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 11122992.1/110

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5287347.8/55

yield_bpm16X_mean vs Slug



Right In: -0.221 ± 0.000 $\chi^2/\text{NDF}: 4752471975.3/29$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28776503.9/24$

Right Out: -0.229 ± 0.000 $\chi^2/\text{NDF}: 3413693452.9/32$

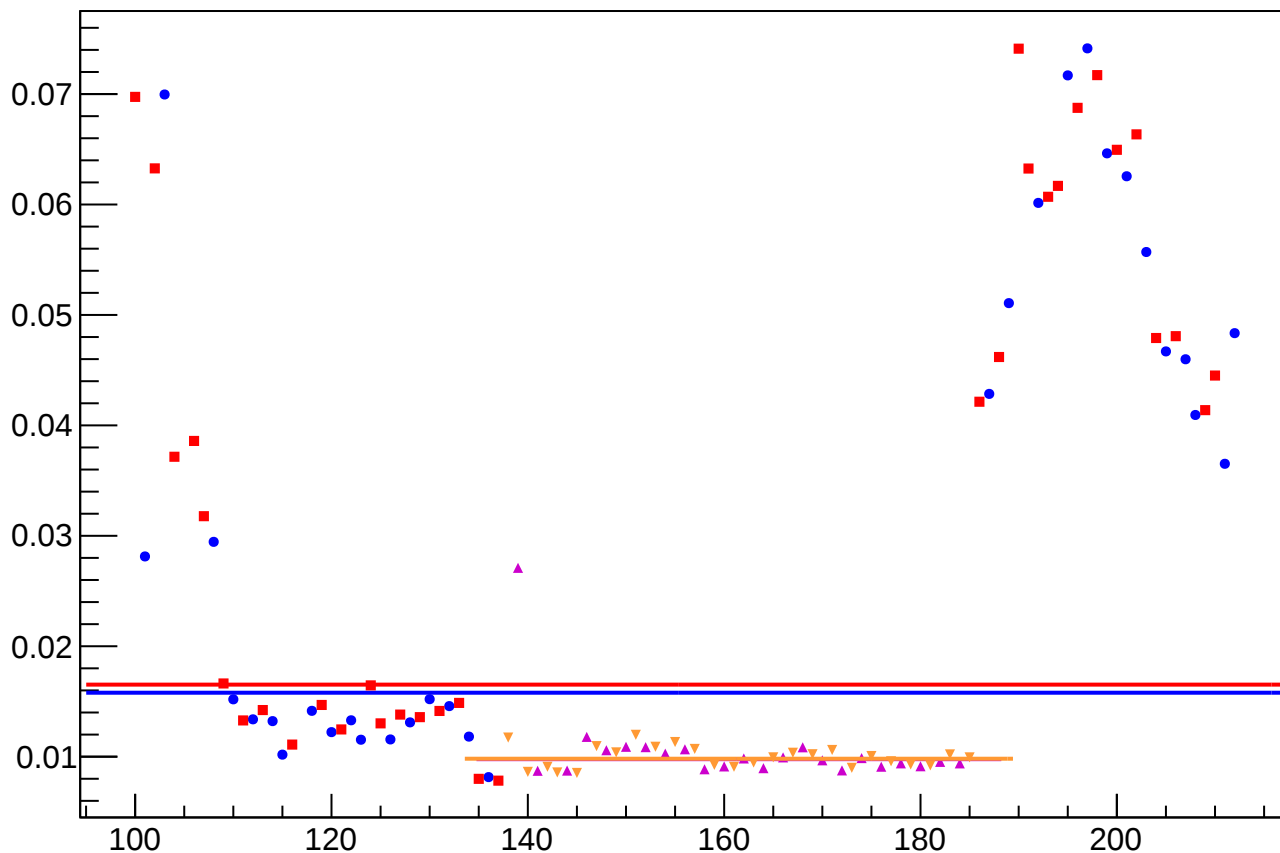
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20164730.3/22$

+ sign -0.398 ± 0.000 $\chi^2/\text{NDF}: 6114061174.2/54$

All: -0.398 ± 0.000 $\chi^2/\text{NDF}: 10685429847.7/100$

- sign -0.398 ± 0.000 $\chi^2/\text{NDF}: 4571356474.6/55$

yield_bpm16X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 11336912.7/29

Left Out: 0.010+/-0.000 χ^2/NDF : 271172.3/24

Right Out: 0.017+/-0.000 χ^2/NDF : 11652646.4/32

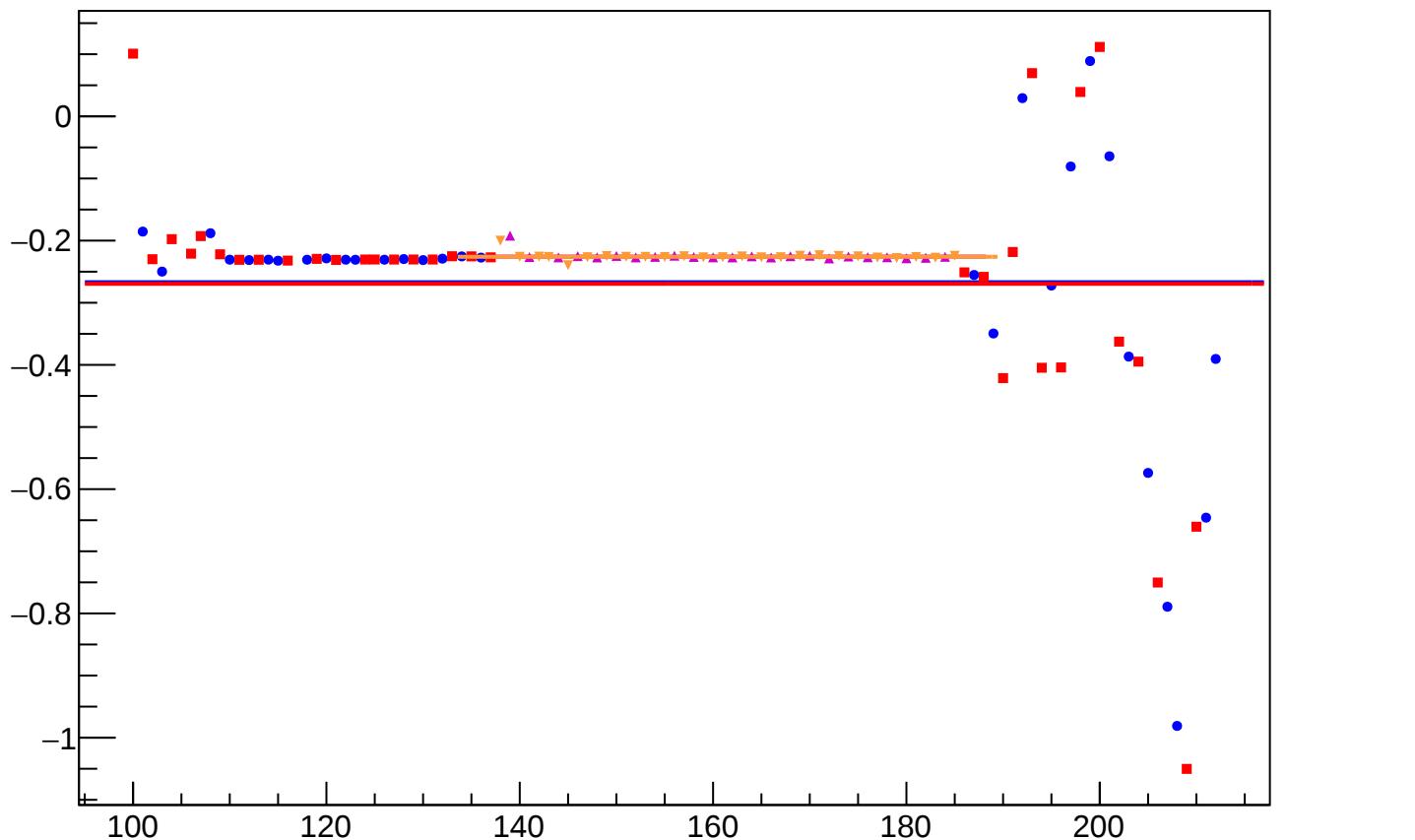
Left In: 0.010+/-0.000 χ^2/NDF : 786577.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 13656903.5/54

All: 0.011+/-0.000 χ^2/NDF : 28566990.2/110

- sign 0.011+/-0.000 χ^2/NDF : 14908344.4/55

yield_bpm16Y_mean vs Slug



Right In: -0.267 $\pm$ 0.000 χ^2 /NDF: 24924085723.9/29

Left Out: -0.226 $\pm$ 0.000 χ^2 /NDF: 21207366.3/24

Right Out: -0.270 $\pm$ 0.000 χ^2 /NDF: 25182576604.4/32

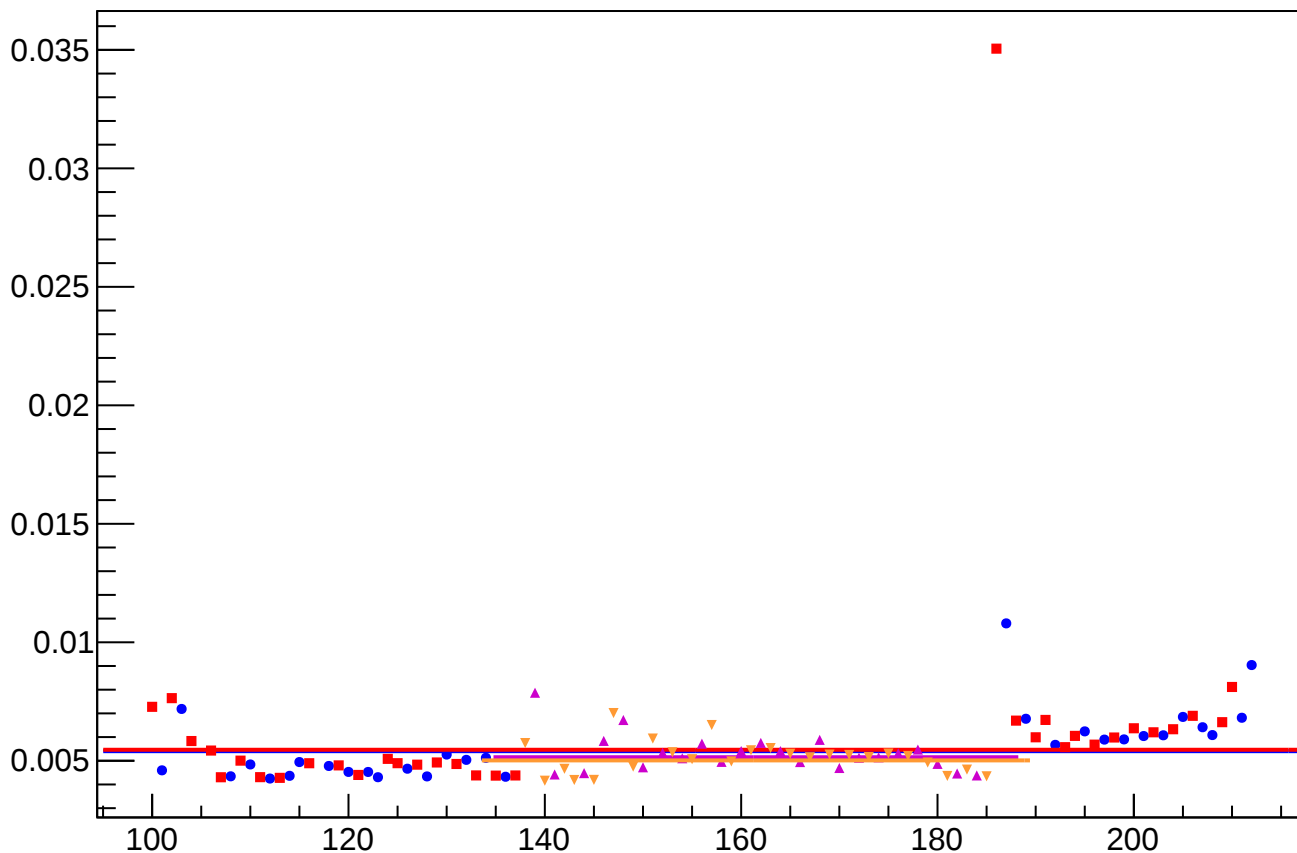
Left In: -0.226 $\pm$ 0.000 χ^2 /NDF: 13717302.5/22

+ sign -0.243 $\pm$ 0.000 χ^2 /NDF: 25423048169.3/54

All: -0.244 $\pm$ 0.000 χ^2 /NDF: 51149564061.6/100

- sign -0.245 $\pm$ 0.000 χ^2 /NDF: 25723881819.2/55

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1068063.9/29

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1447236.4/32

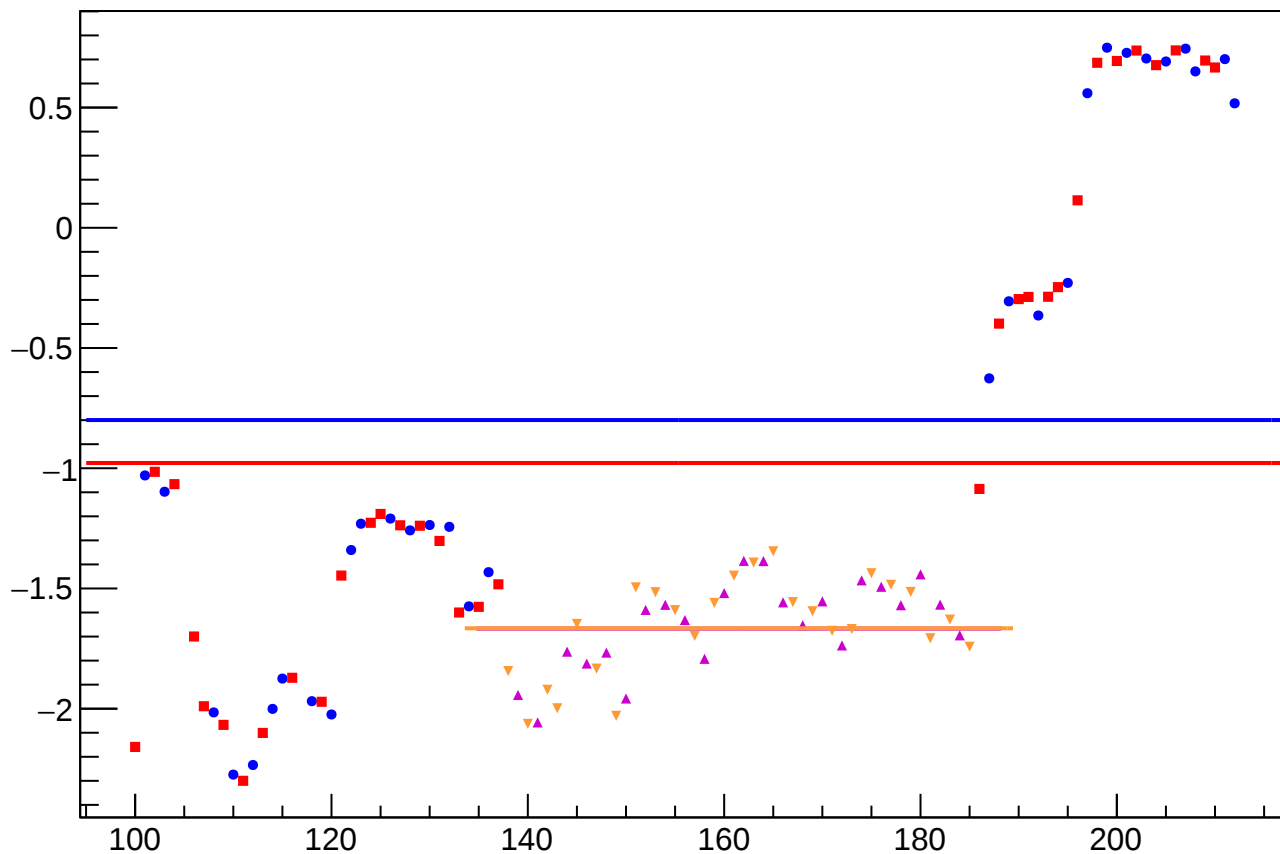
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1687134.7/54

All: 0.005+/-0.000 χ^2/NDF : 3707119.6/110

- sign 0.005+/-0.000 χ^2/NDF : 2005791.4/55

yield_bpm0l01X_mean vs Slug



Right In: -0.800 ± 0.000 χ^2/NDF : 221268644489.3/29

Left Out: -1.666 ± 0.000 χ^2/NDF : 18368038680.8/24

Right Out: -0.978 ± 0.000 χ^2/NDF : 239617267513.7/32

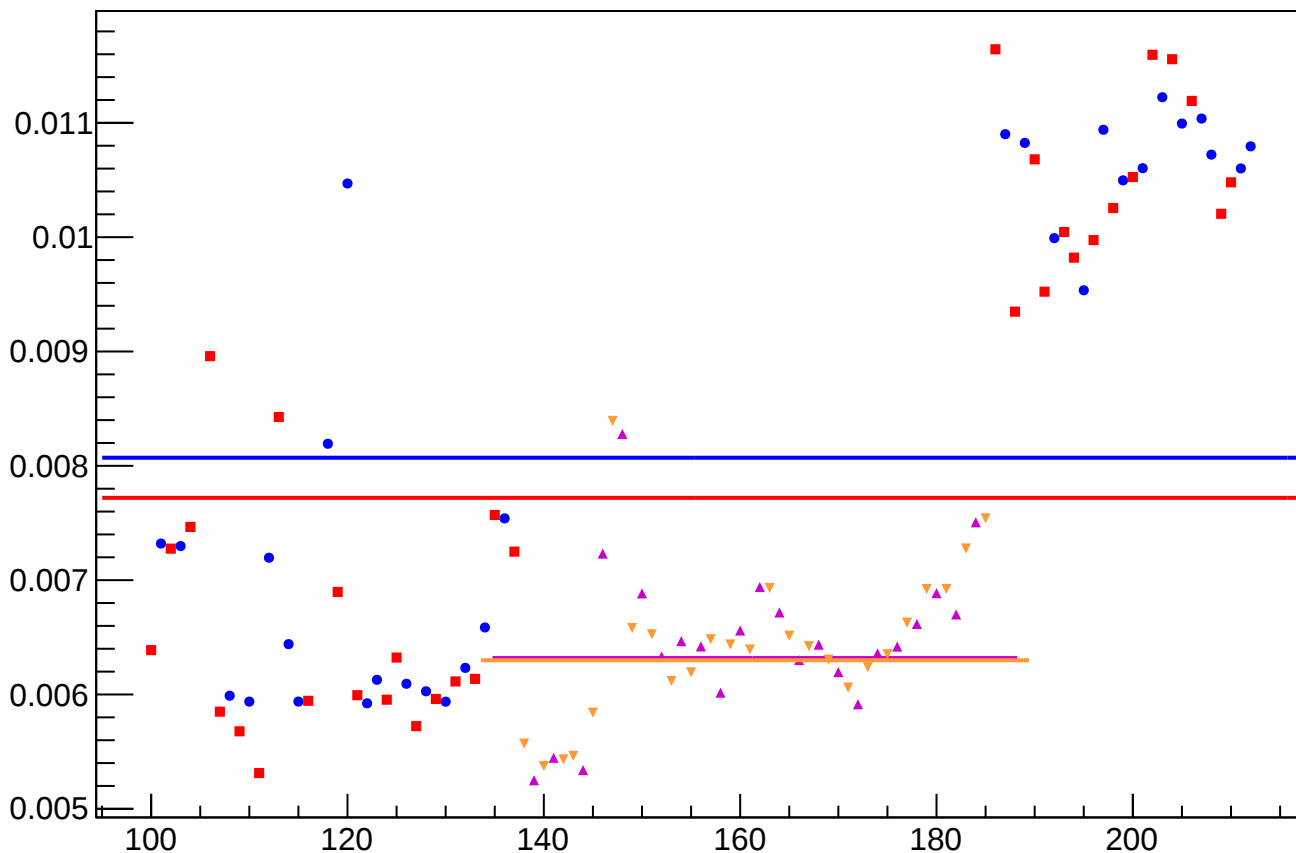
Left In: -1.667 ± 0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.379 ± 0.000 χ^2/NDF : 349273983125.9/54

All: -1.394 ± 0.000 χ^2/NDF : 677495273816.8

- sign -1.408 ± 0.000 χ^2/NDF : 327938918472.6/55

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1840625.8/29

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2102442.8/32

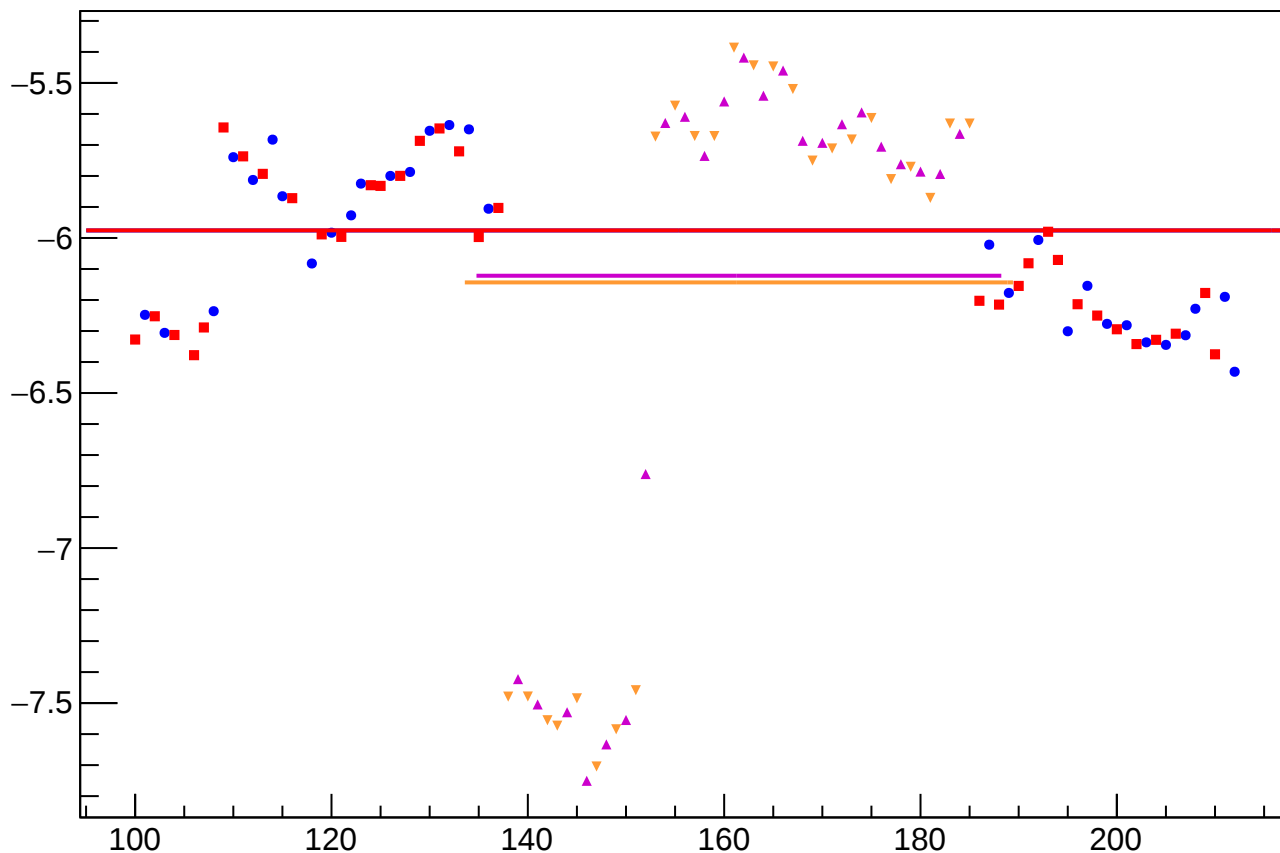
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 3070764.9/54

All: 0.007+/-0.000 χ^2/NDF : 6118621.3/110

- sign 0.007+/-0.000 χ^2/NDF : 3046755.8/55

yield_bpm0l01Y_mean vs Slug



Right In: -5.976+/-0.000 χ^2 /NDF: 16186930243.6/29

Left Out: -6.143+/-0.000 χ^2 /NDF:185721259239.3/24

Right Out: -5.975+/-0.000 χ^2 /NDF: 17099545159.2/32

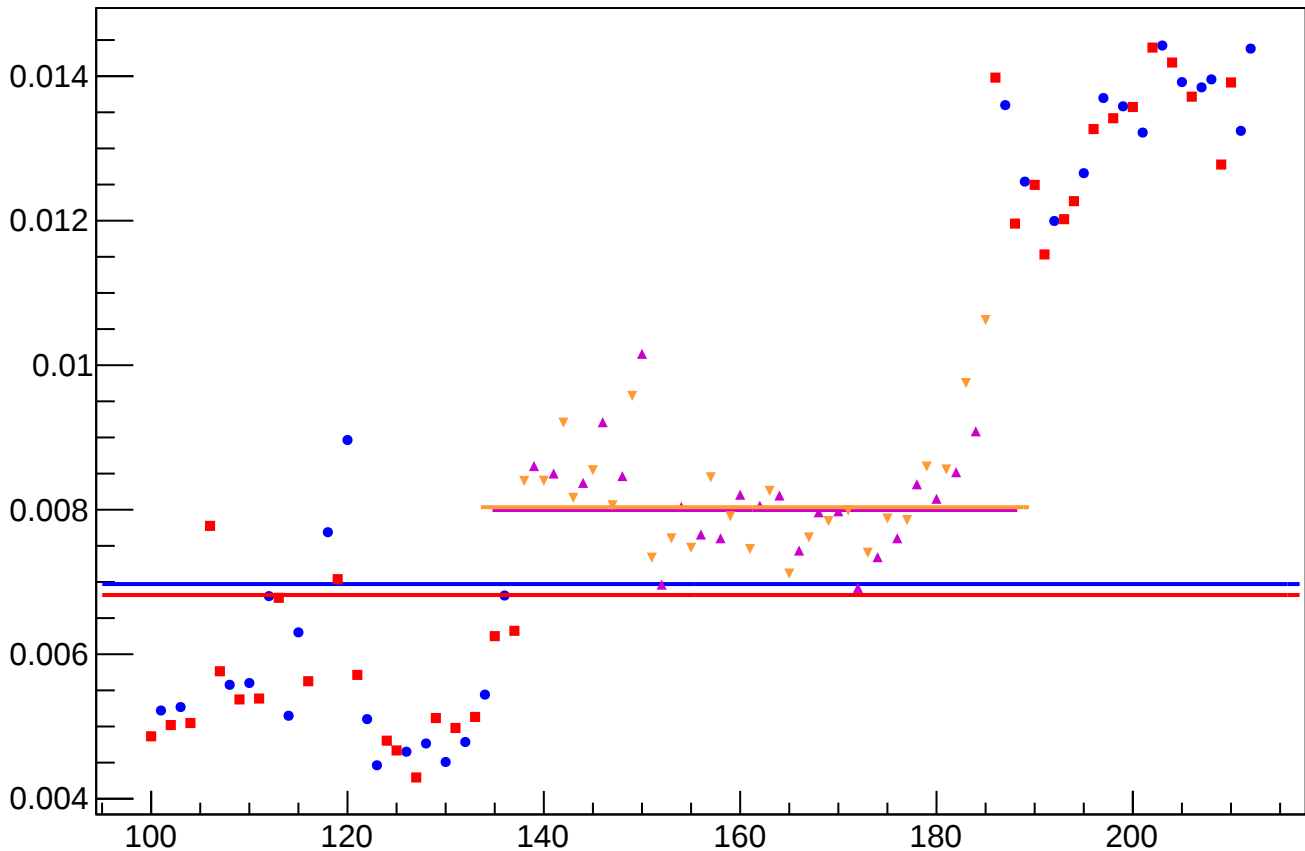
Left In: -6.122+/-0.000 χ^2 /NDF:159909473006.6/22

+ sign -6.061+/-0.000 χ^2 /NDF: 205475243513.2/54

All: -6.053+/-0.000 χ^2 /NDF: 385351580142.3

- sign -6.045+/-0.000 χ^2 /NDF: 179811684450.7/55

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 5501983.8/29

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 205976.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 5405207.0/32

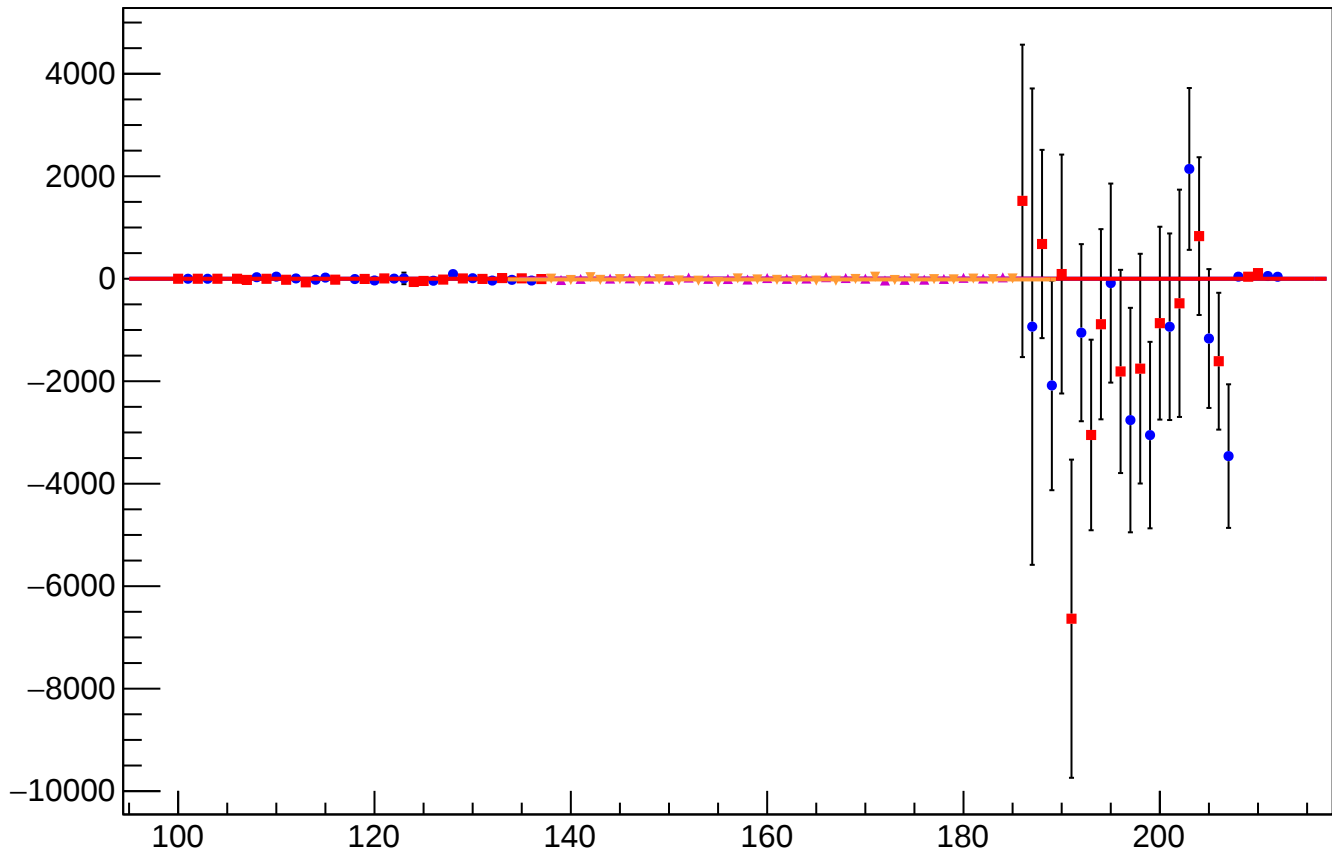
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 220203.0/22

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 5995618.1/54

All: 0.007 $\pm$ 0.000 χ^2/NDF : 11992247.2/110

- sign 0.007 $\pm$ 0.000 χ^2/NDF : 5987569.5/55

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 34.2/29

Left Out: -13.472 ± 2.796 χ^2/NDF : 58.5/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 32.6/32

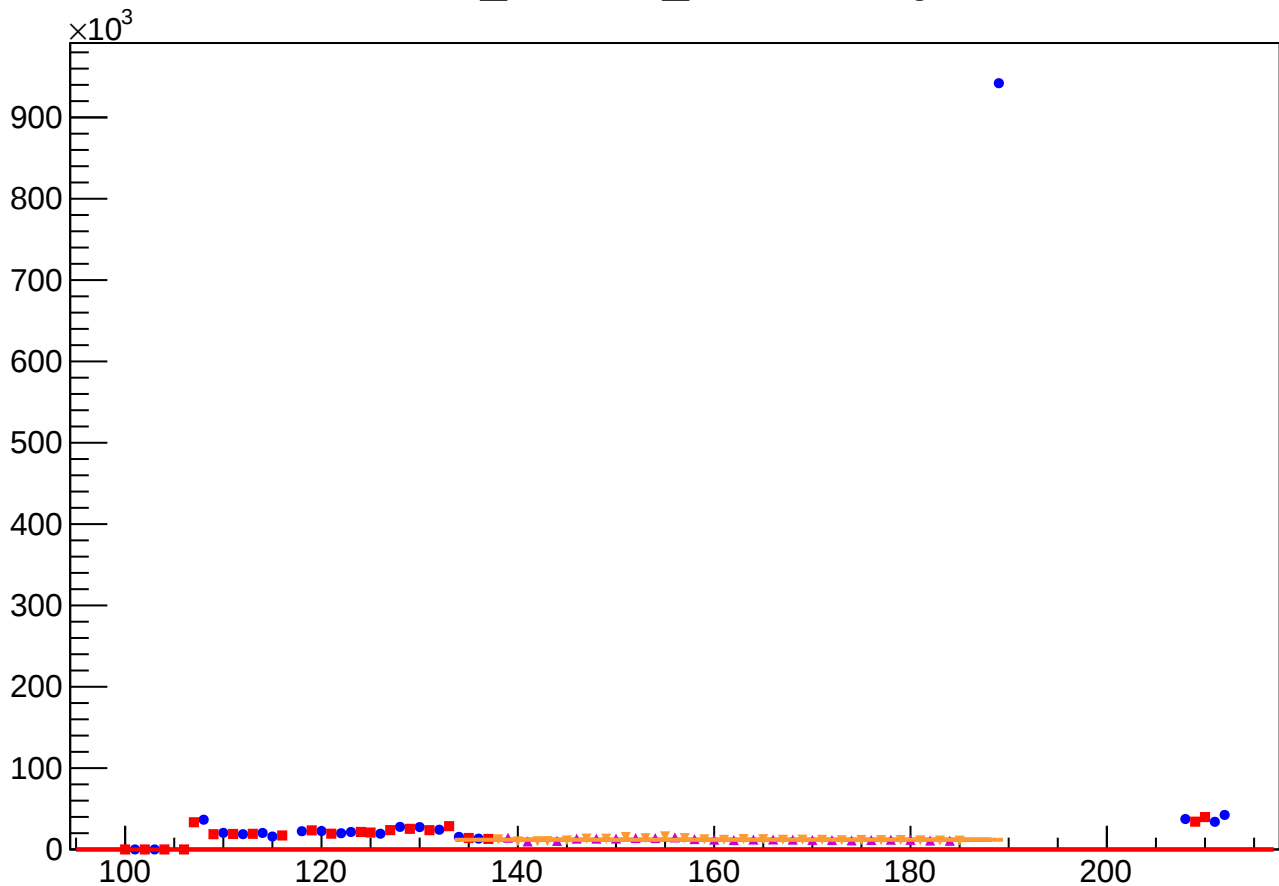
Left In: -0.489 ± 2.905 χ^2/NDF : 28.7/22

+ sign 0.013 ± 0.017 χ^2/NDF : 115.9/54

All: 0.008 ± 0.012 χ^2/NDF : 177.4/110

- sign 0.003 ± 0.016 χ^2/NDF : 61.3/55

diff_cav4bX_rms vs Slug



Right In: 18.657 ± 0.012 χ^2/NDF : 15128667.4/20

Left Out: 11909.835 ± 1.977 χ^2/NDF : 475310.2/24

Right Out: 18.321 ± 0.011 χ^2/NDF : 13894945.3/20

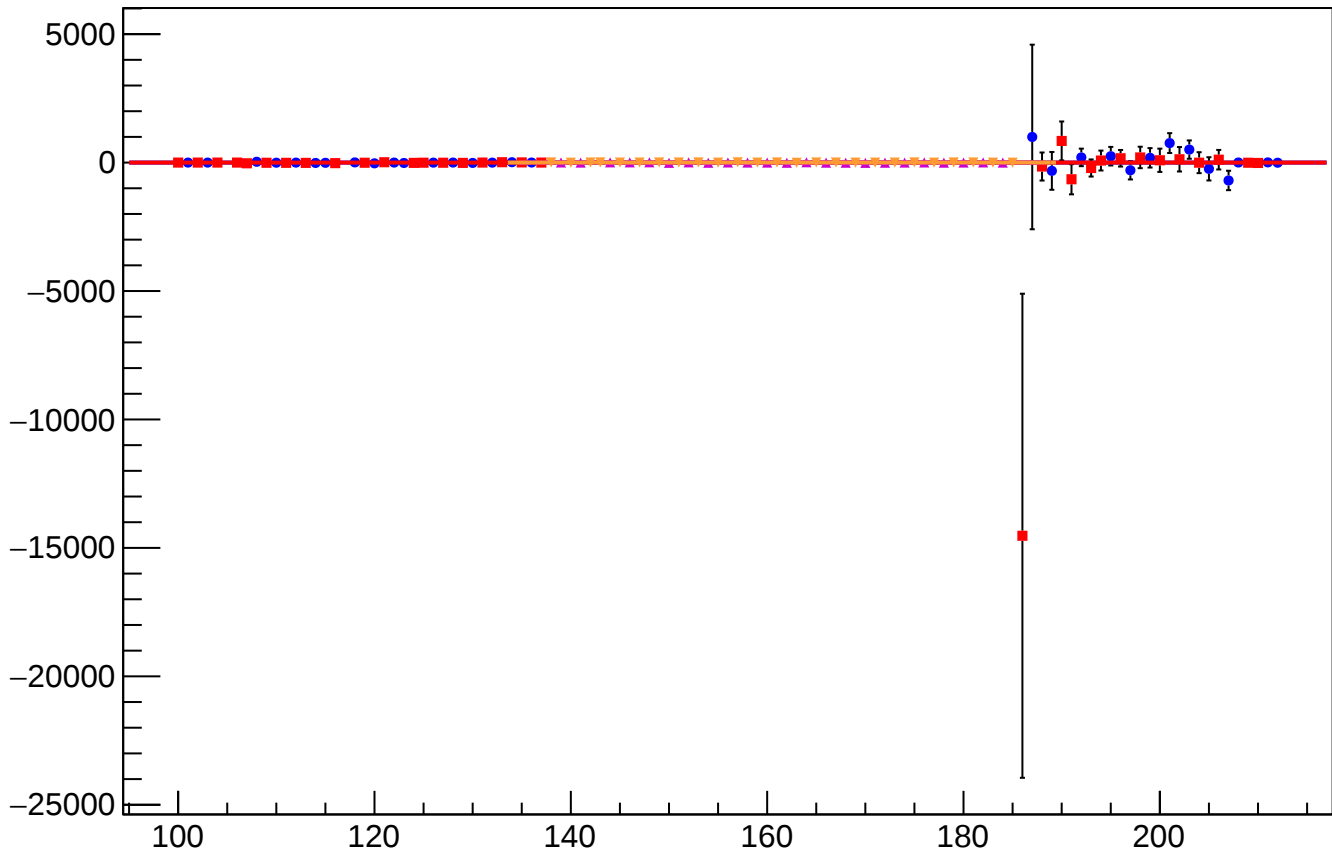
Left In: 12064.321 ± 2.054 χ^2/NDF : 372586.0/22

+ sign 19.114 ± 0.012 χ^2/NDF : 51768809.3/45

All: 18.886 ± 0.008 χ^2/NDF : 100416885.3/89

- sign 18.690 ± 0.011 χ^2/NDF : 48647432.0/43

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 28.3/29

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 29.1/32

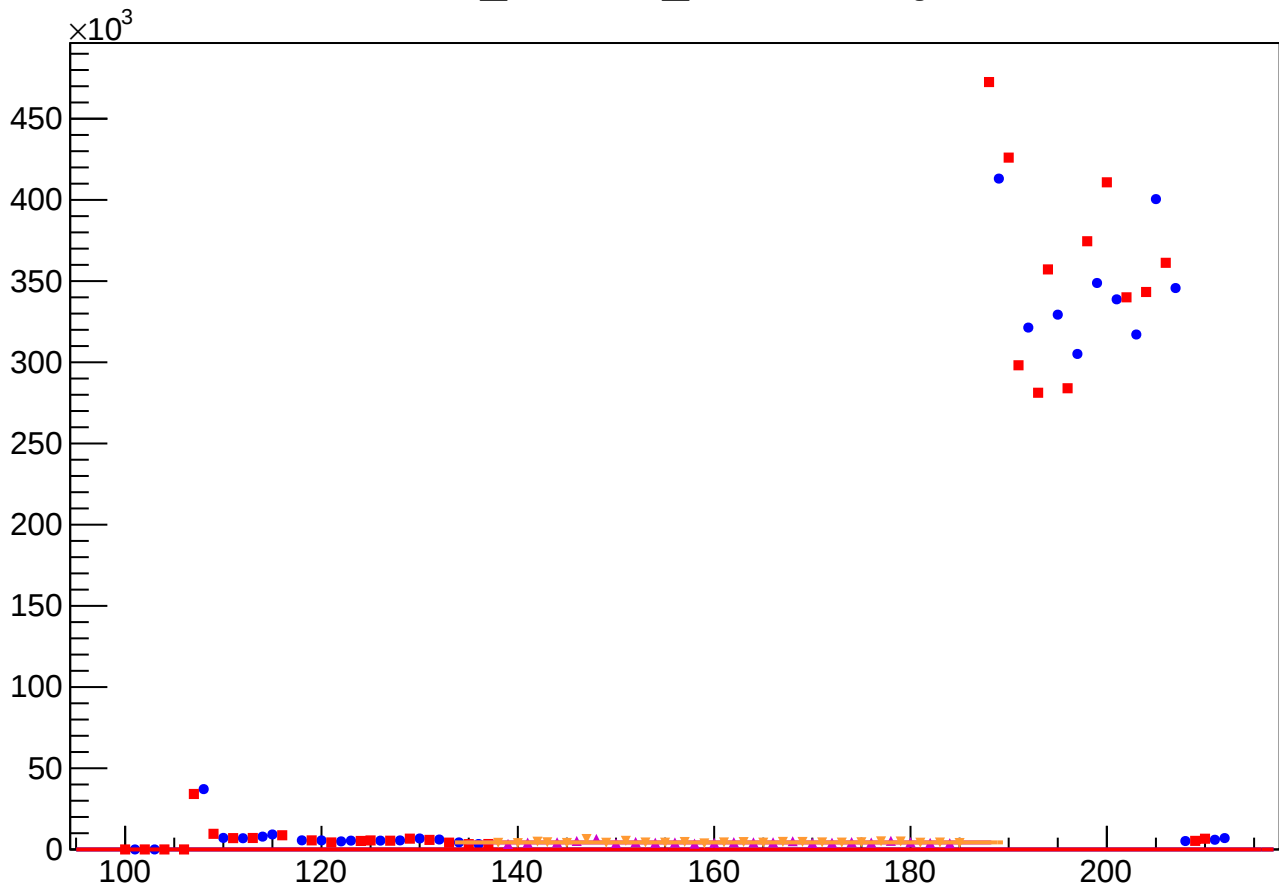
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 48.9/54

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 115.4/110

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 65.4/55

diff_cav4bY_rms vs Slug



Right In: 9.968 ± 0.007 χ^2/NDF : 28584385.2/28

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.873 ± 0.006 χ^2/NDF : 28704832.8/31

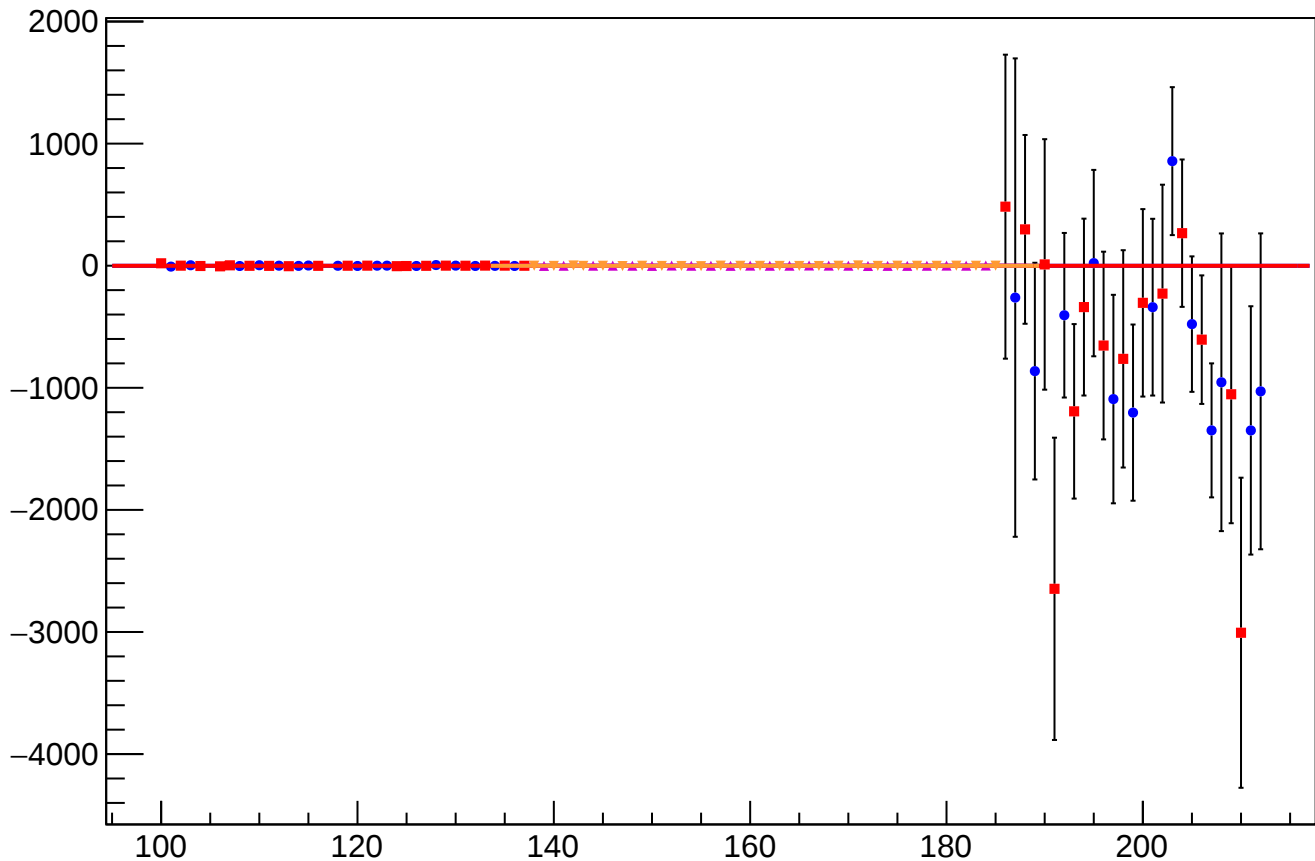
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.321 ± 0.007 χ^2/NDF : 65111875.1/53

All: 10.240 ± 0.004 χ^2/NDF : 128414351.5/10

- sign 10.169 ± 0.006 χ^2/NDF : 63302189.9/54

diff_cav4cX_mean vs Slug



Right In: -0.705 ± 0.485 χ^2/NDF : 40.2/29

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.763 ± 0.502 χ^2/NDF : 29.4/32

Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

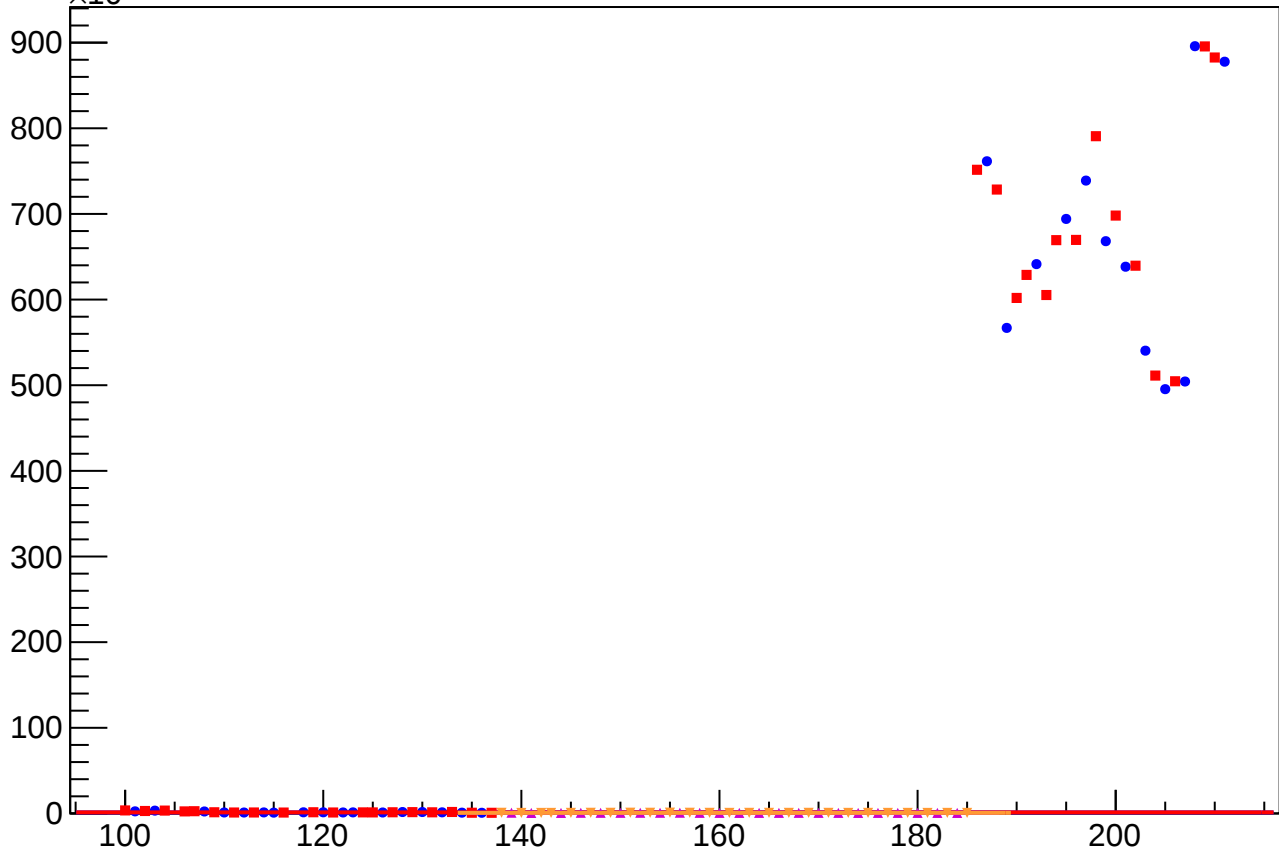
+ sign -0.767 ± 0.156 χ^2/NDF : 98.6/54

All: -0.444 ± 0.112 χ^2/NDF : 168.2/110

- sign -0.097 ± 0.161 χ^2/NDF : 60.6/55

diff_cav4cX_rms vs Slug

$\times 10^3$



Right In: 1167.299 $\pm$ 0.343 χ^2 /NDF: 18152560.5/28

Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF:392521.4/24

Right Out: 1252.624 $\pm$ 0.355 χ^2 /NDF: 18981927.6/32

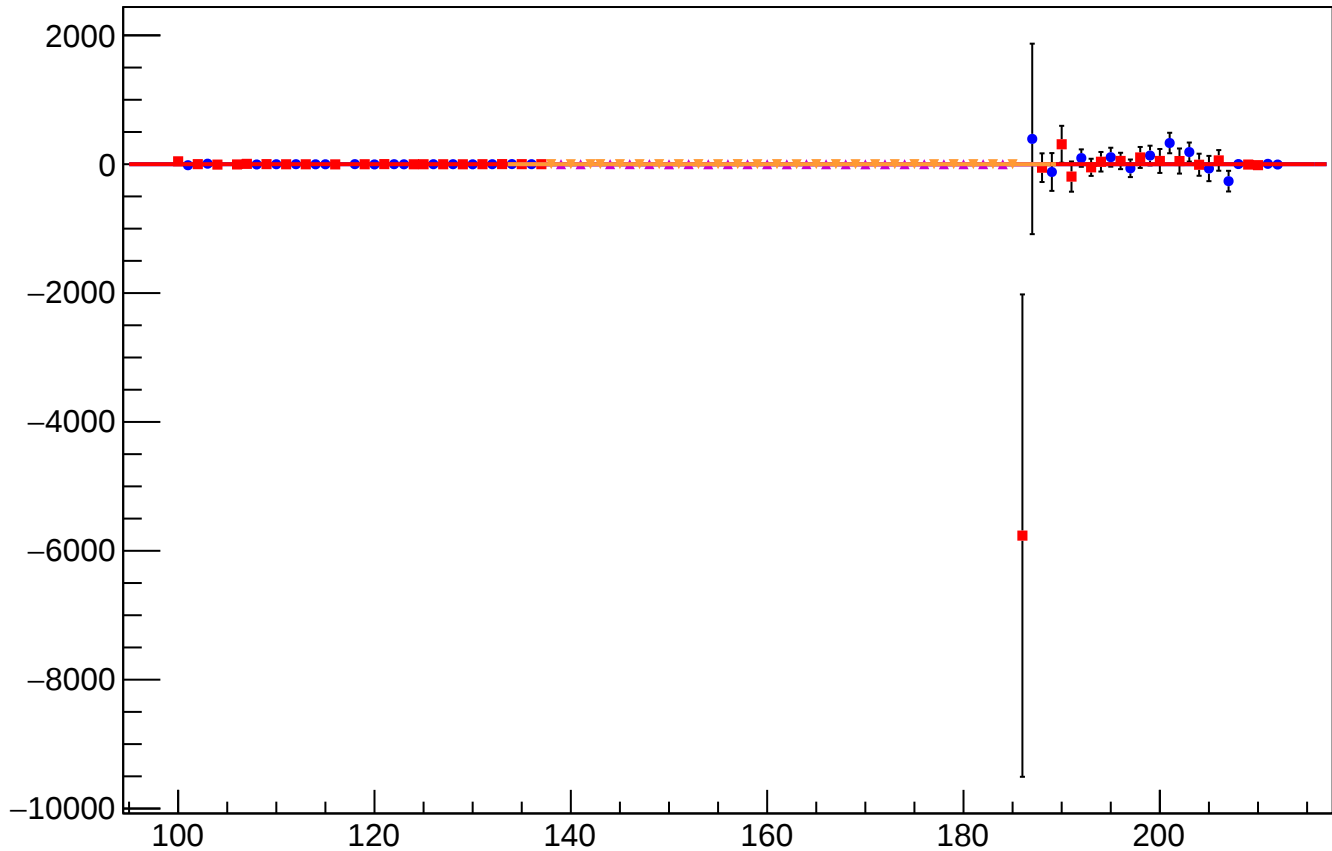
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF:338177.1/22

+ sign 748.820 $\pm$ 0.110 χ^2 /NDF: 20204864.3/53

All: 755.733 $\pm$ 0.079 χ^2 /NDF: 41652141.7/10

- sign 763.144 $\pm$ 0.114 χ^2 /NDF: 21439099.6/55

diff_cav4cY_mean vs Slug



Right In: -0.048 ± 0.270 χ^2/NDF : 33.7/29

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.204 ± 0.264 χ^2/NDF : 32.8/32

Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

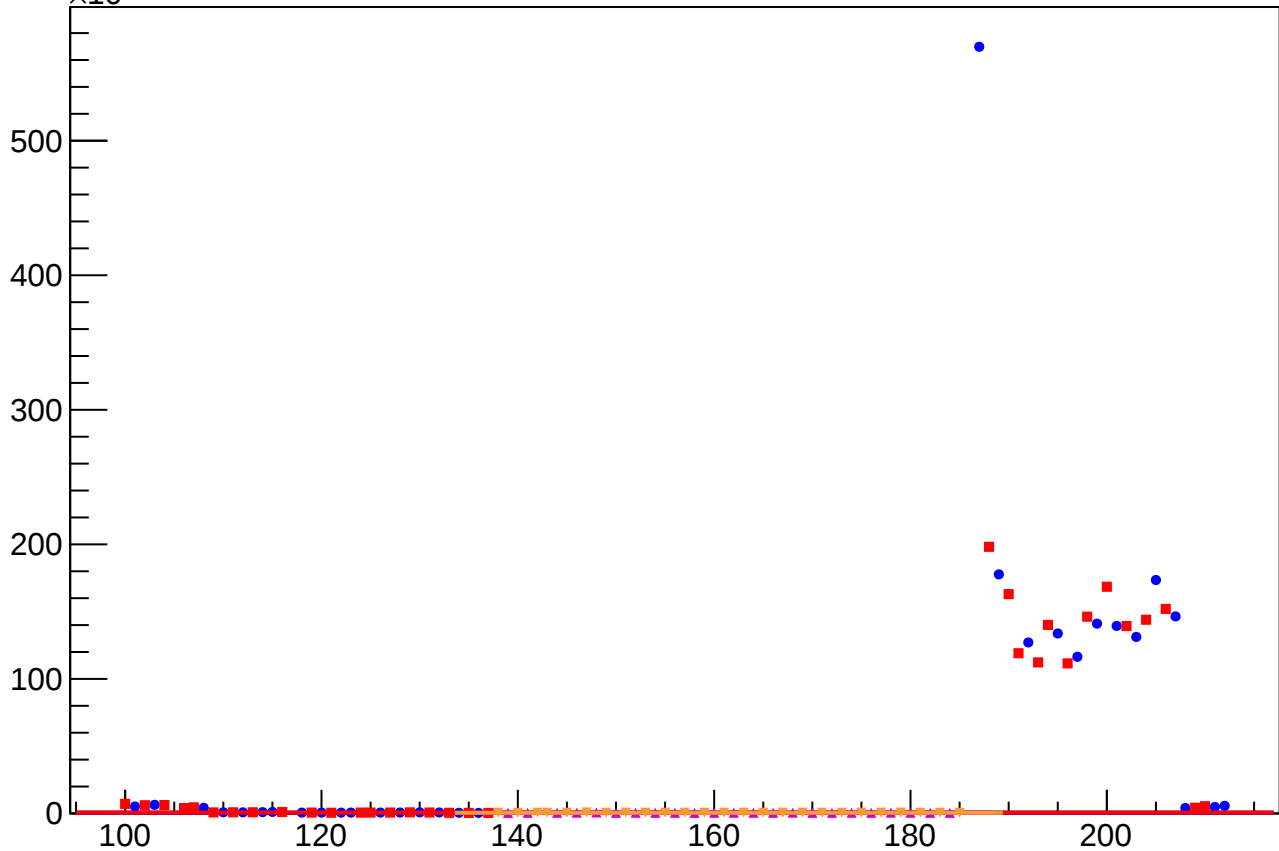
+ sign 0.188 ± 0.112 χ^2/NDF : 52.2/54

All: 0.160 ± 0.079 χ^2/NDF : 120.2/110

- sign 0.132 ± 0.113 χ^2/NDF : 67.8/55

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 639.171 $\pm$ 0.191 χ^2 /NDF: 20111695.0/29

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 621.455 $\pm$ 0.187 χ^2 /NDF: 20471129.3/31

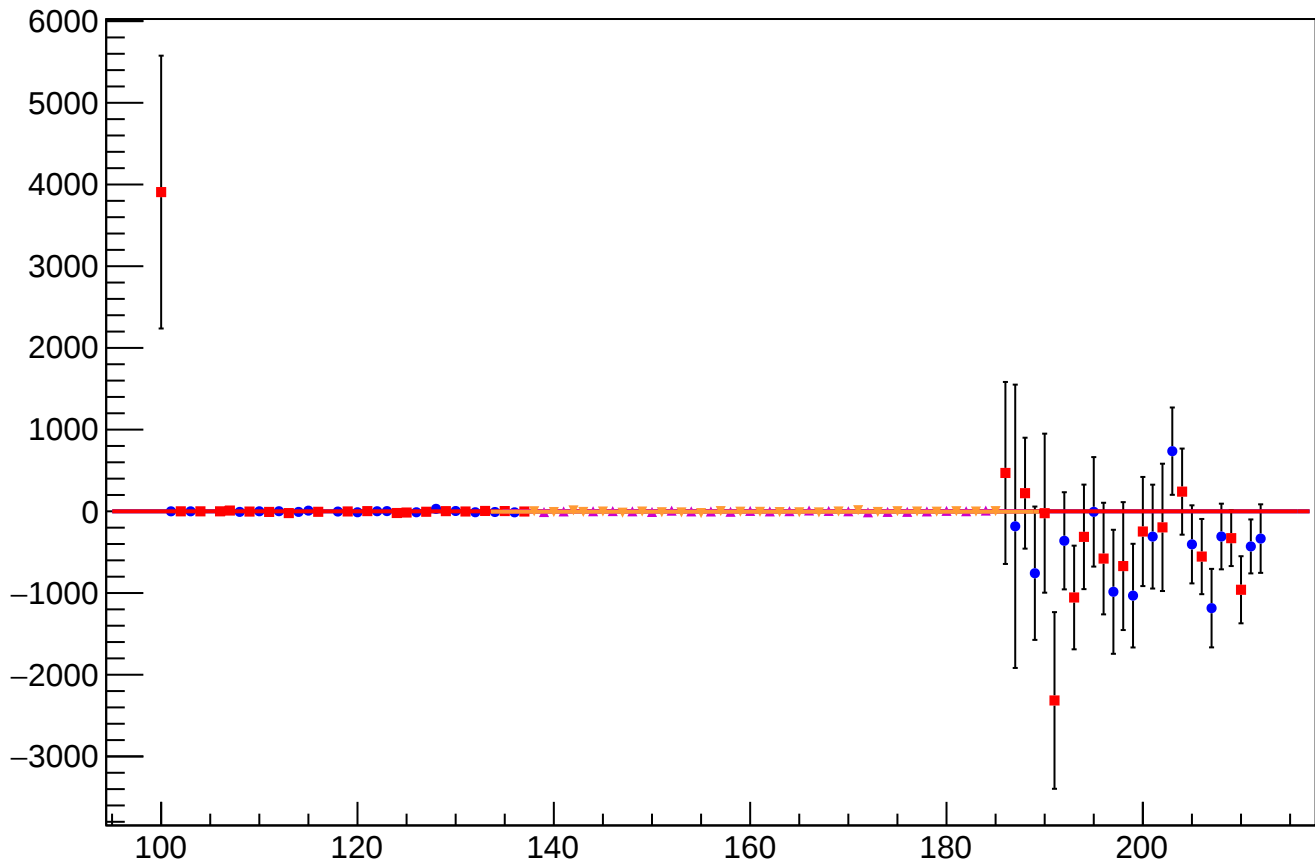
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 542.382 $\pm$ 0.079 χ^2 /NDF: 20754038.3/54

All: 540.520 $\pm$ 0.056 χ^2 /NDF: 41912025.5/10

- sign 538.596 $\pm$ 0.080 χ^2 /NDF: 21156853.6/54

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 33.0/29

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 34.4/32

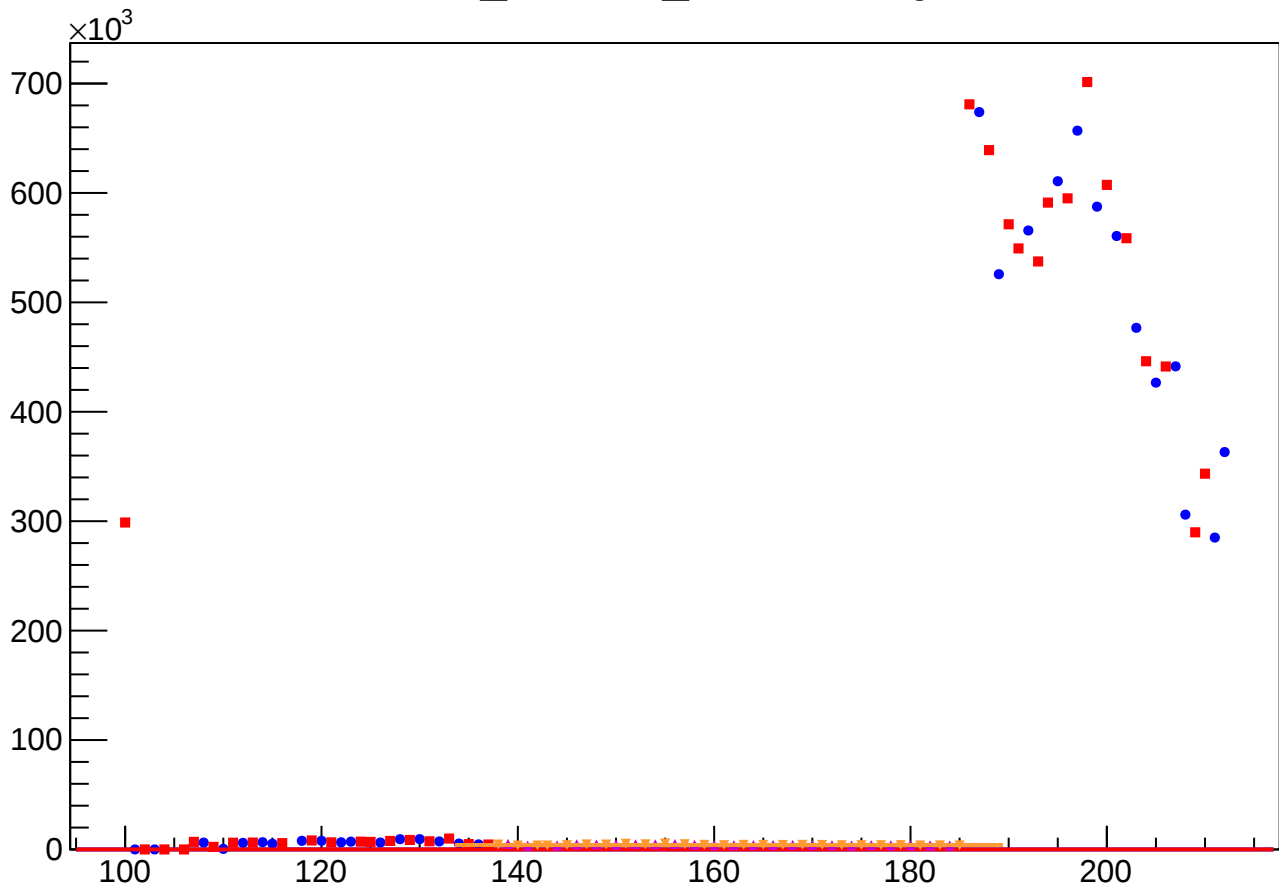
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 113.0/54

All: -0.025 ± 0.014 χ^2/NDF : 176.6/110

- sign -0.027 ± 0.020 χ^2/NDF : 63.7/55

diff_cav4dX_rms vs Slug



Right In: 17.344+/-0.015 χ^2/NDF : 28711864.1/29

Left Out: 4074.257+/-0.676 χ^2/NDF : 416916.0/24

Right Out: 17.274+/-0.014 χ^2/NDF : 29524044.5/32

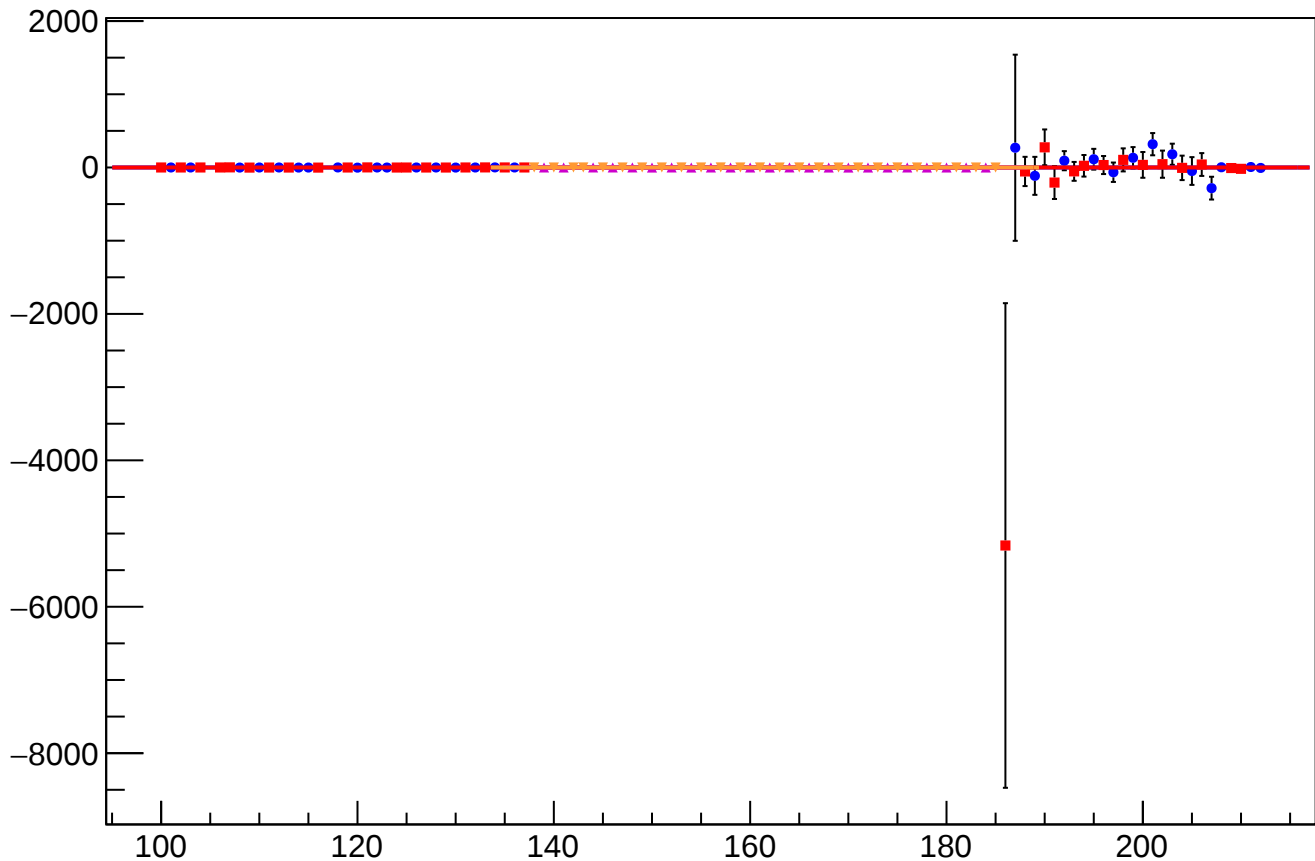
Left In: 4113.744+/-0.700 χ^2/NDF : 354965.8/22

+ sign 19.264+/-0.015 χ^2/NDF : 65161862.5/54

All: 19.077+/-0.010 χ^2/NDF : 129257925.0/11

- sign 18.908+/-0.014 χ^2/NDF : 64095753.5/55

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 28.9/29

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 31.1/32

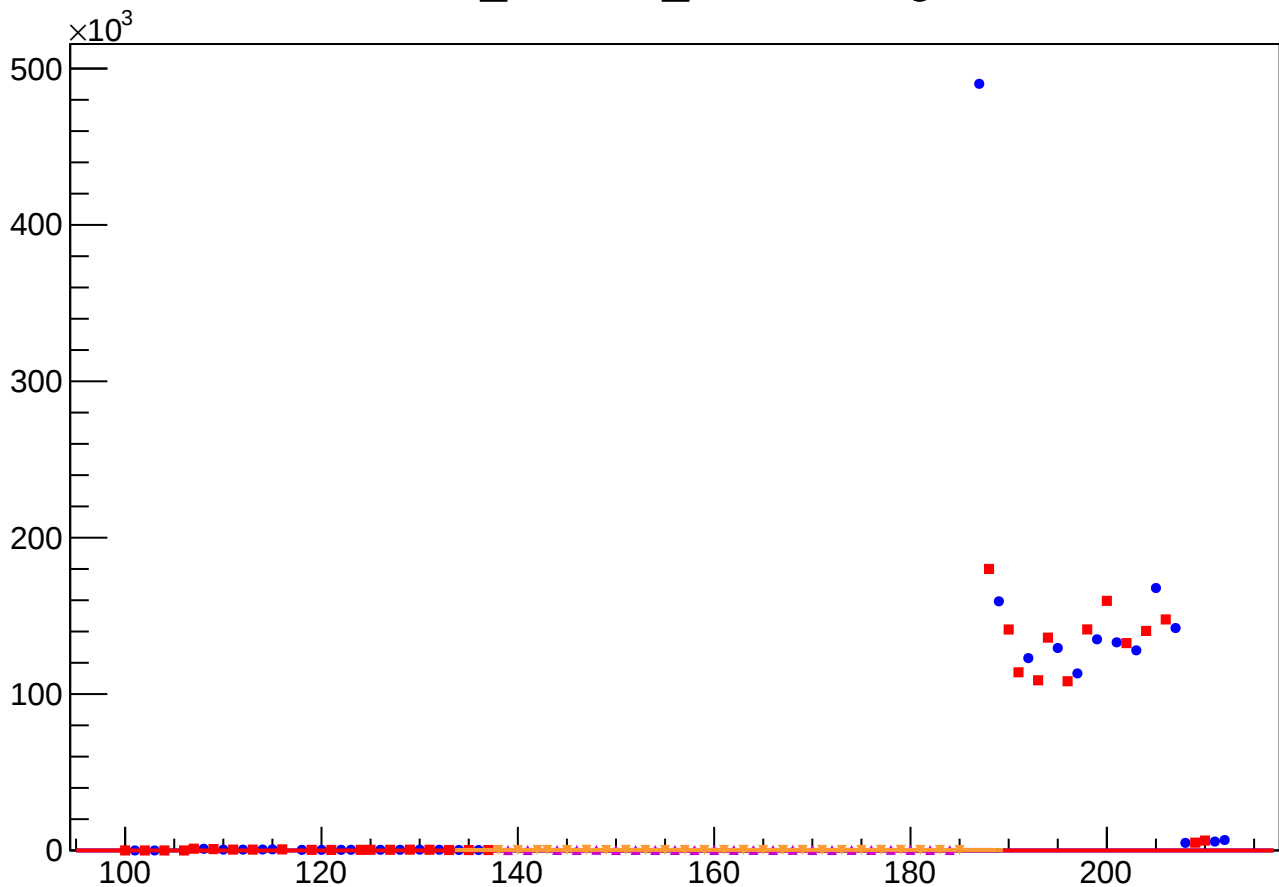
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 49.6/54

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 116.4/110

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 66.8/55

diff_cav4dY_rms vs Slug



Right In: 1.700 $\pm$ 0.001 χ^2 /NDF: 28976360.7/29

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.729 $\pm$ 0.001 χ^2 /NDF: 28474931.4/31

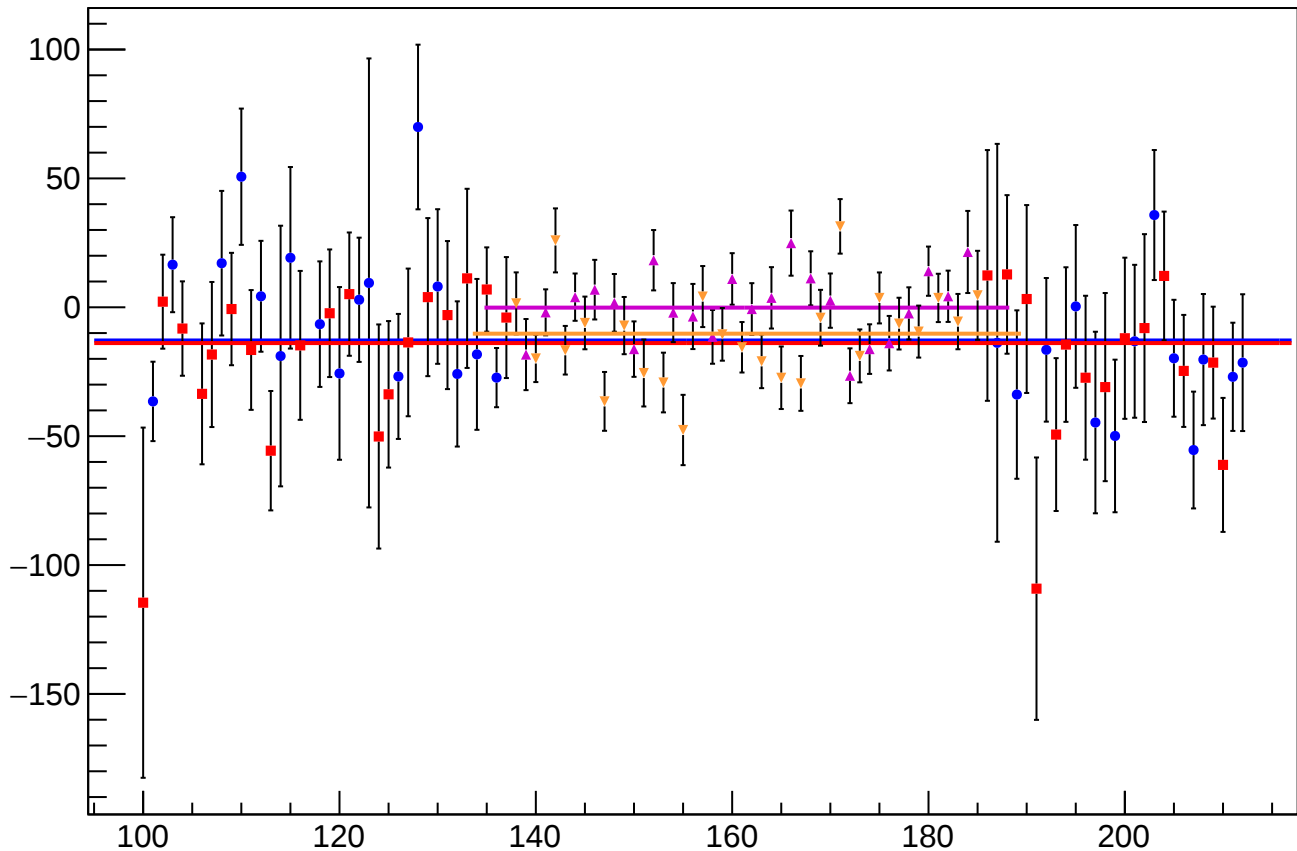
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.928 $\pm$ 0.001 χ^2 /NDF: 65288363.7/54

All: 1.927 $\pm$ 0.001 χ^2 /NDF: 128162132.0/109

- sign 1.927 $\pm$ 0.001 χ^2 /NDF: 62873768.1/54

diff_bpm4aX_mean vs Slug



Right In: -12.876 ± 4.535 $\chi^2/\text{NDF}: 34.3/29$

Left Out: -10.235 ± 2.167 $\chi^2/\text{NDF}: 58.0/24$

Right Out: -13.883 ± 4.634 $\chi^2/\text{NDF}: 23.5/32$

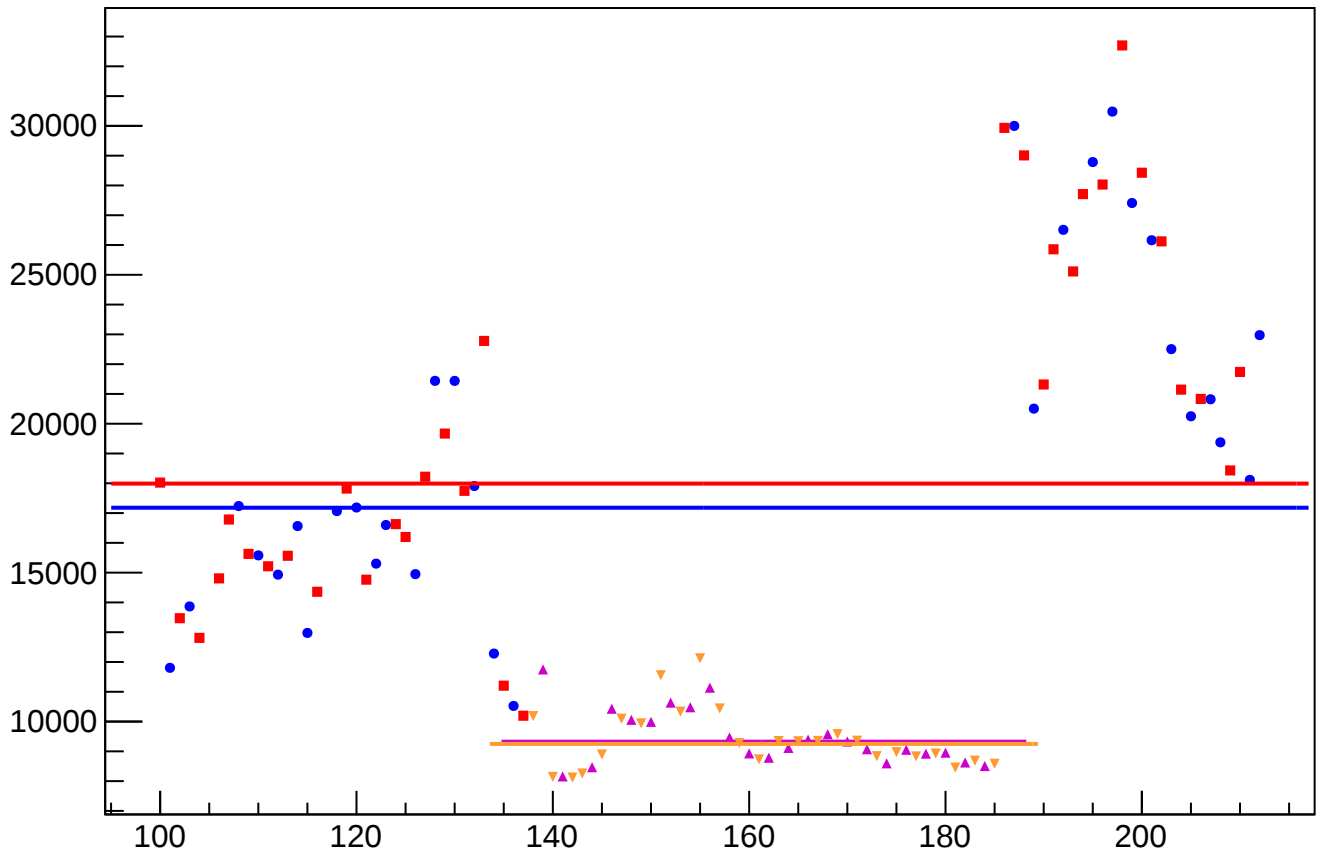
Left In: -0.130 ± 2.242 $\chi^2/\text{NDF}: 29.8/22$

+ sign -10.726 ± 1.955 $\chi^2/\text{NDF}: 92.6/54$

All: -6.860 ± 1.404 $\chi^2/\text{NDF}: 161.1/110$

- sign -2.739 ± 2.018 $\chi^2/\text{NDF}: 60.4/55$

diff_bpm4aX_rms vs Slug



Right In: 17179.468+/-3.206 χ^2/NDF : 2769582.8/29

Left Out: 9249.358+/-1.532 χ^2/NDF :332003.4/24

Right Out: 17990.131+/-3.277 χ^2/NDF : 2798127.3/32

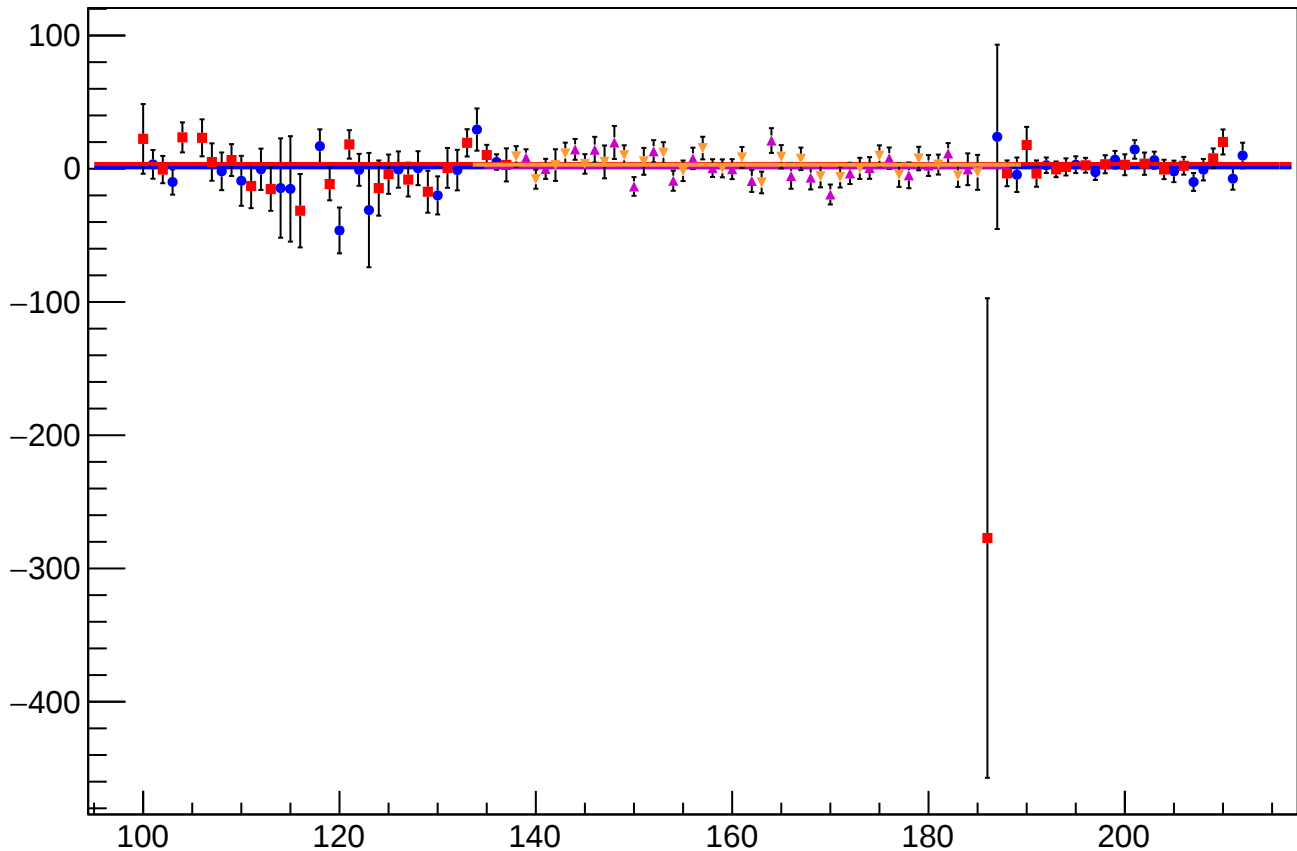
Left In: 9325.112+/-1.585 χ^2/NDF :280927.7/22

+ sign 10723.282+/-1.382 χ^2/NDF : 8081359.3/54

All: 10842.222+/-0.993 χ^2/NDF : 16842276.3

- sign 10969.001+/-1.427 χ^2/NDF : 8745622.8/55

diff_bpm4aY_mean vs Slug



Right In: 1.057 ± 1.713 χ^2/NDF : 28.5/29

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 3.597 ± 1.691 χ^2/NDF : 29.1/32

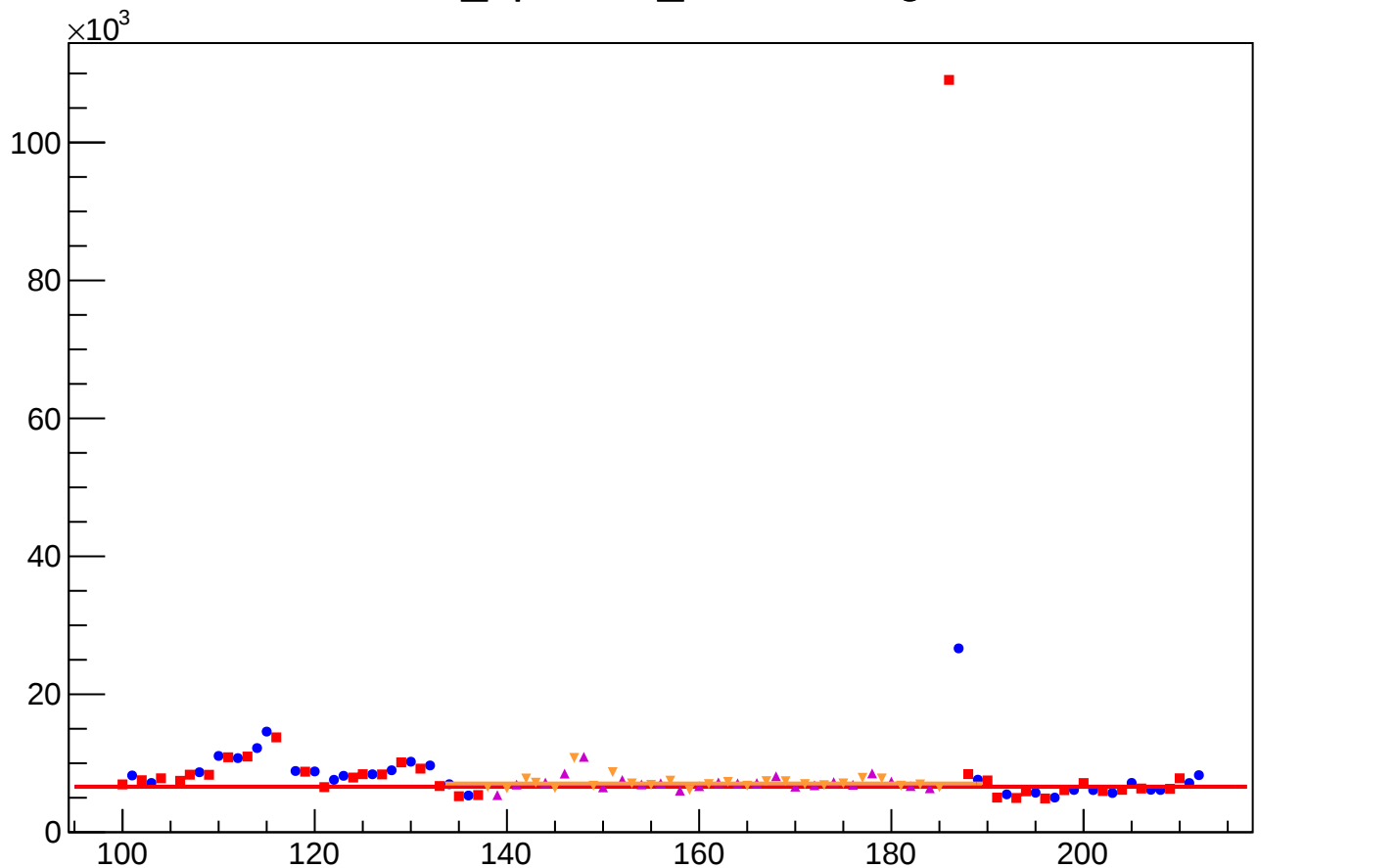
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.091 ± 1.192 χ^2/NDF : 47.4/54

All: 2.294 ± 0.844 χ^2/NDF : 112.8/110

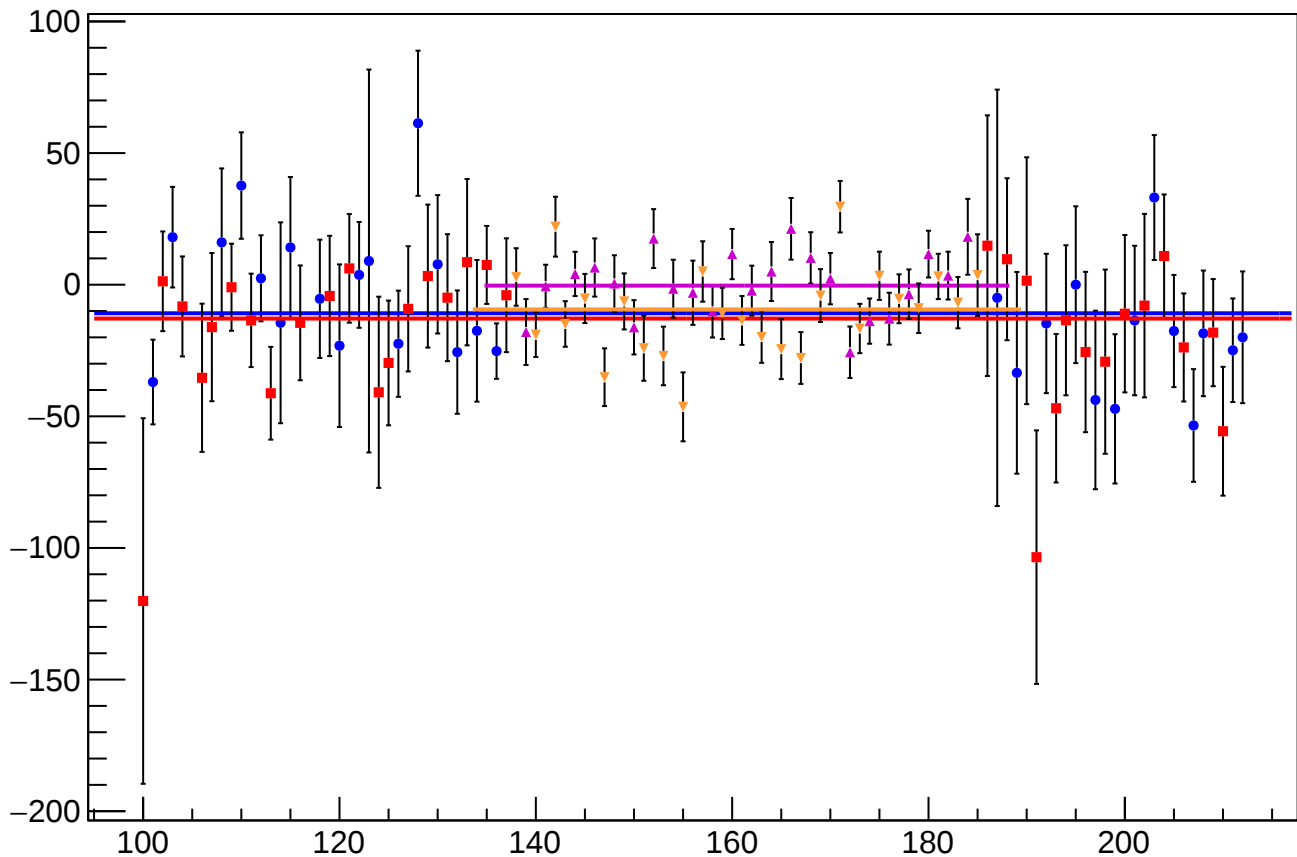
- sign 2.497 ± 1.196 χ^2/NDF : 65.3/55

diff_bpm4aY_rms vs Slug



Right In: 6606.614 ± 1.211 $\chi^2/\text{NDF}: 1597532.3/29$ + sign 6844.143 ± 0.843 $\chi^2/\text{NDF}: 2059467.0/54$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 6817.634 ± 0.597 $\chi^2/\text{NDF}: 4812429.0/11$
 Right Out: 6581.914 ± 1.196 $\chi^2/\text{NDF}: 2139730.9/32$ - sign 6790.918 ± 0.846 $\chi^2/\text{NDF}: 2750975.1/55$
 Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

diff_bpm4eX_mean vs Slug



Right In: -10.857 ± 4.148 χ^2/NDF : 35.3/29

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -12.860 ± 4.198 χ^2/NDF : 22.7/32

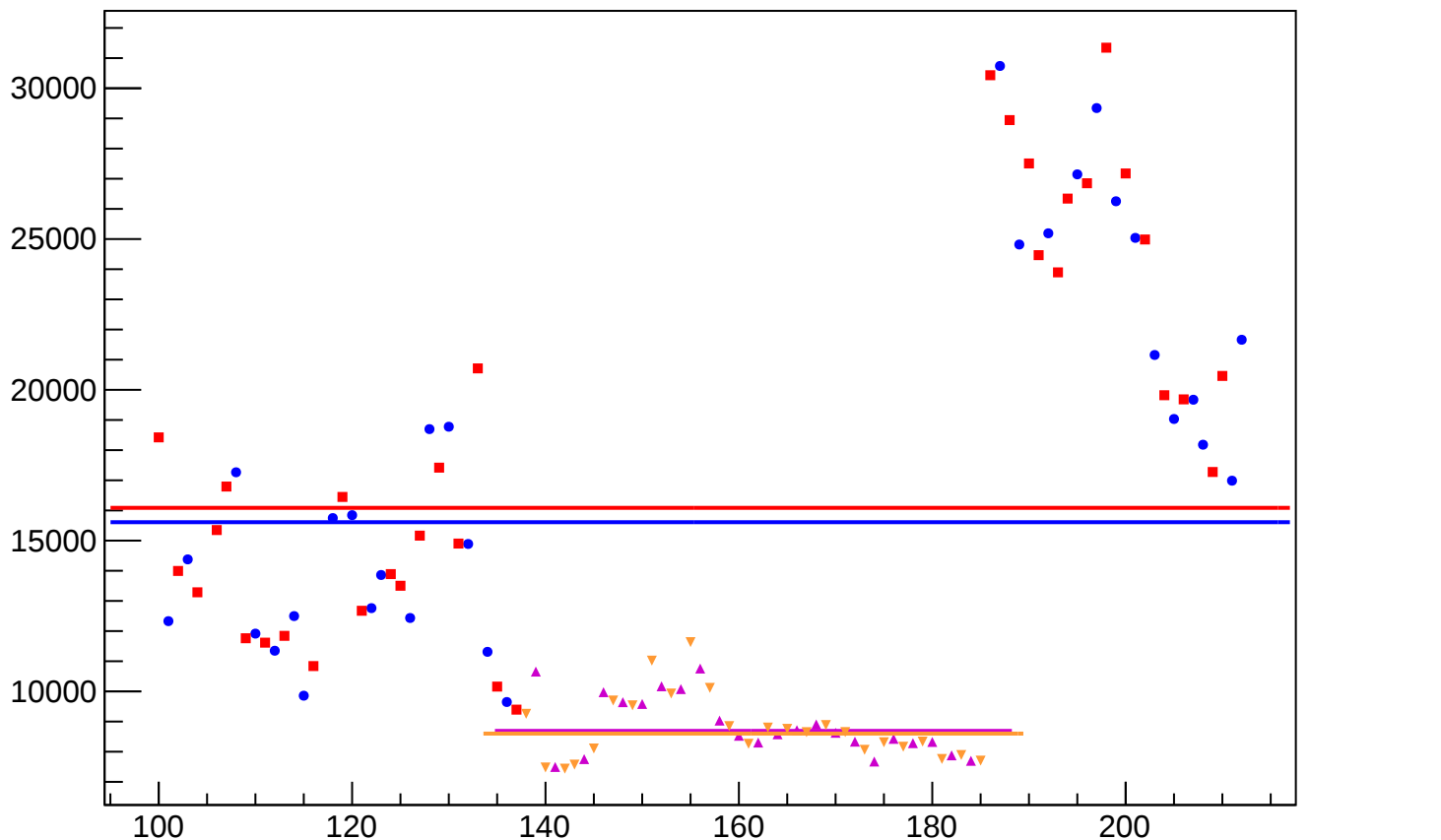
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.659 ± 1.814 χ^2/NDF : 93.8/54

All: -6.358 ± 1.303 χ^2/NDF : 160.1/110

- sign -2.842 ± 1.873 χ^2/NDF : 59.4/55

diff_bpm4eX_rms vs Slug



Right In: 15610.542 $\pm$ 2.933 χ^2 /NDF: 3210894.6/29

Left Out: 8600.457 $\pm$ 1.427 χ^2 /NDF:438229.4/24

Right Out: 16086.688 $\pm$ 2.968 χ^2 /NDF: 3549330.8/32

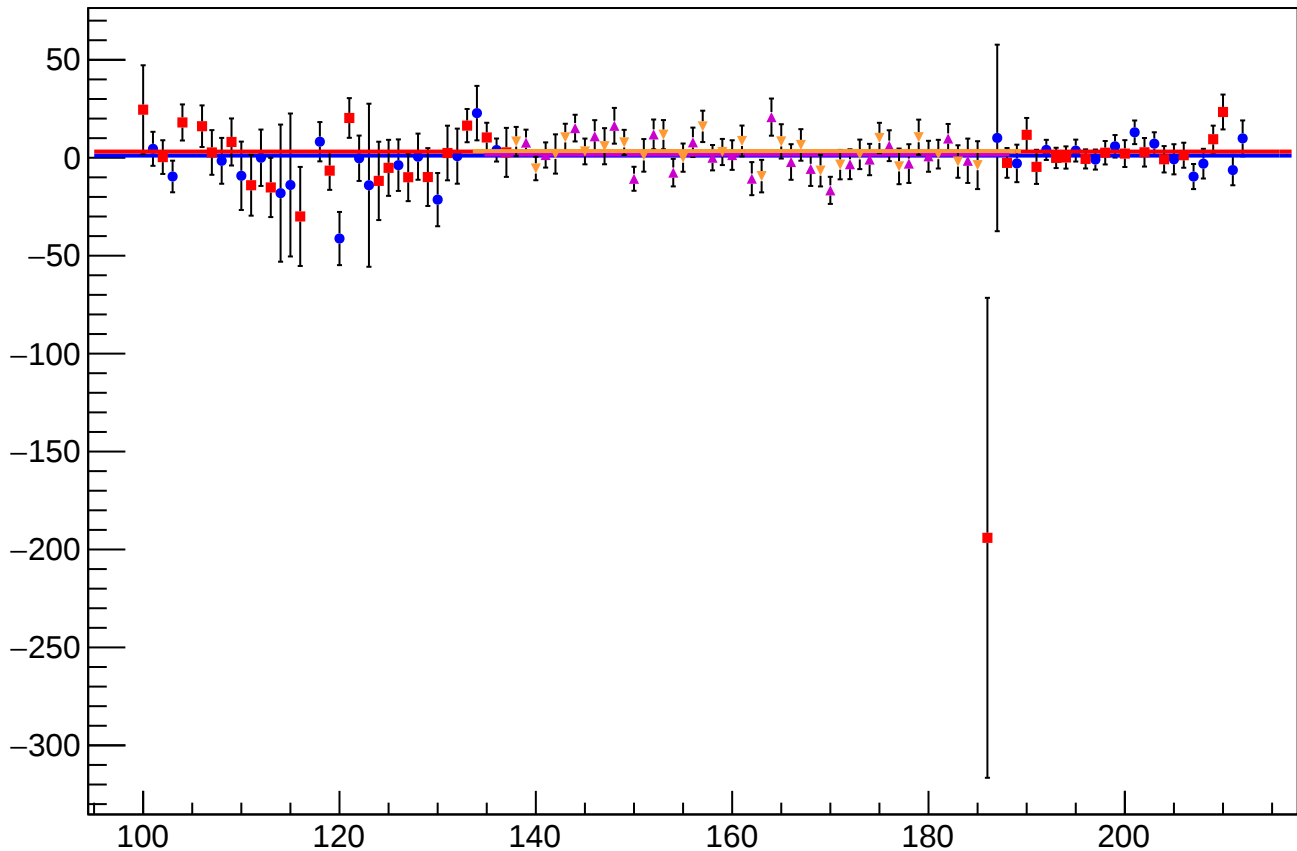
Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF:370834.1/22

+ sign 9942.025 $\pm$ 1.283 χ^2 /NDF: 8268999.7/54

All: 10048.569 $\pm$ 0.921 χ^2 /NDF: 17177336.5/100

- sign 10162.044 $\pm$ 1.324 χ^2 /NDF: 8894095.8/55

diff_bpm4eY_mean vs Slug



Right In: 1.104 ± 1.542 χ^2/NDF : 30.2/29

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 3.162 ± 1.499 χ^2/NDF : 32.4/32

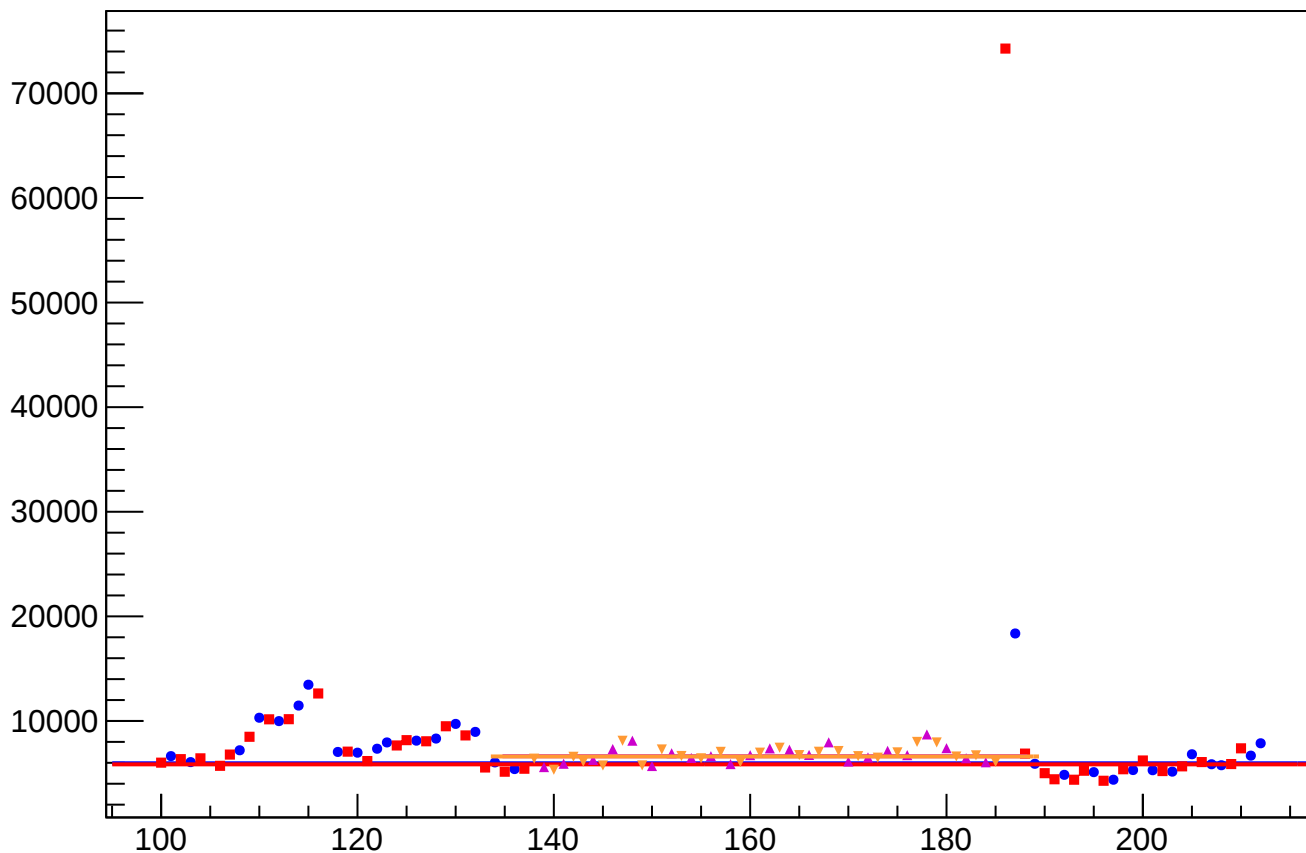
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.249 ± 1.093 χ^2/NDF : 48.2/54

All: 2.346 ± 0.773 χ^2/NDF : 114.5/110

- sign 2.444 ± 1.094 χ^2/NDF : 66.3/55

diff_bpm4eY_rms vs Slug



Right In: 5954.565+/-1.091 χ^2 /NDF: 1597508.0/29

Left Out: 6607.100+/-1.096 χ^2 /NDF: 398416.1/24

Right Out: 5852.182+/-1.060 χ^2 /NDF: 2194263.1/32

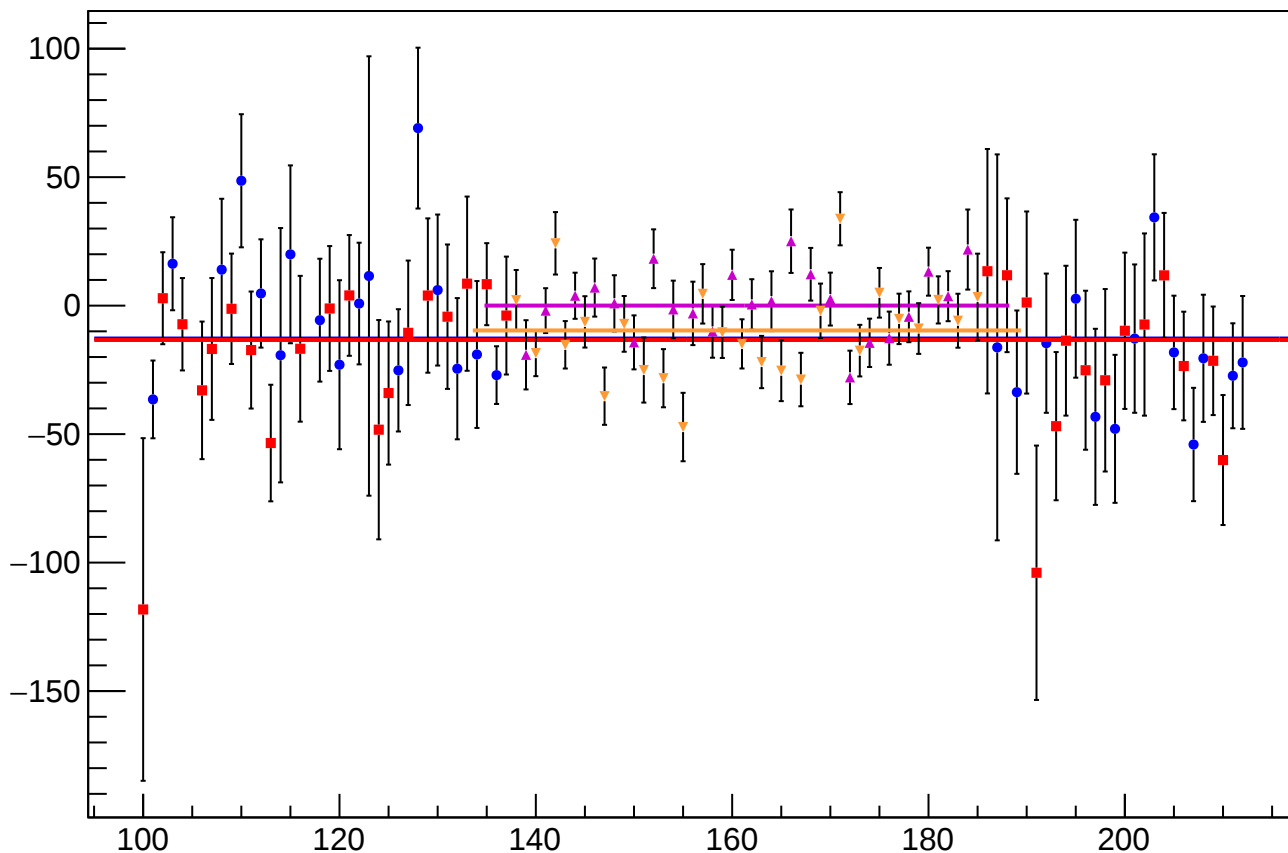
Left In: 6628.653+/-1.131 χ^2 /NDF: 430282.2/22

+ sign 6279.137+/-0.773 χ^2 /NDF: 2173976.2/54

All: 6247.266+/-0.547 χ^2 /NDF: 5052897.4/11

- sign 6215.383+/-0.773 χ^2 /NDF: 2875522.5/55

diff_bpm4acX_mean vs Slug



Right In: -12.804 ± 4.433 χ^2/NDF : 34.1/29

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -13.362 ± 4.531 χ^2/NDF : 23.5/32

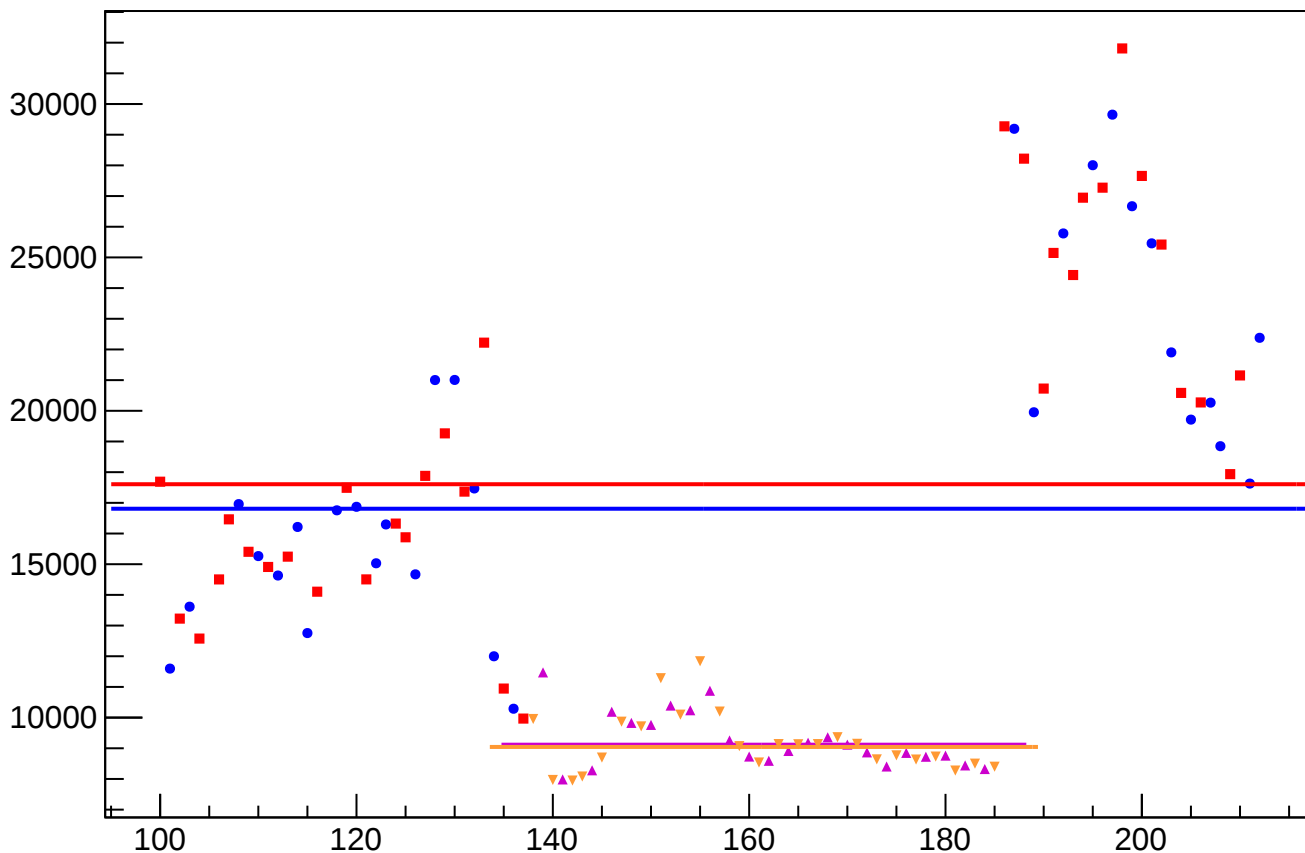
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -10.235 ± 1.911 χ^2/NDF : 94.3/54

All: -6.500 ± 1.373 χ^2/NDF : 163.4/110

- sign -2.518 ± 1.973 χ^2/NDF : 61.2/55

diff_bpm4acX_rms vs Slug



Right In: 16808.156+/-3.135 χ^2/NDF : 2725914.9/29

Left Out: 9043.485+/-1.498 χ^2/NDF : 328192.2/24

Right Out: 17607.060+/-3.204 χ^2/NDF : 2748827.3/32

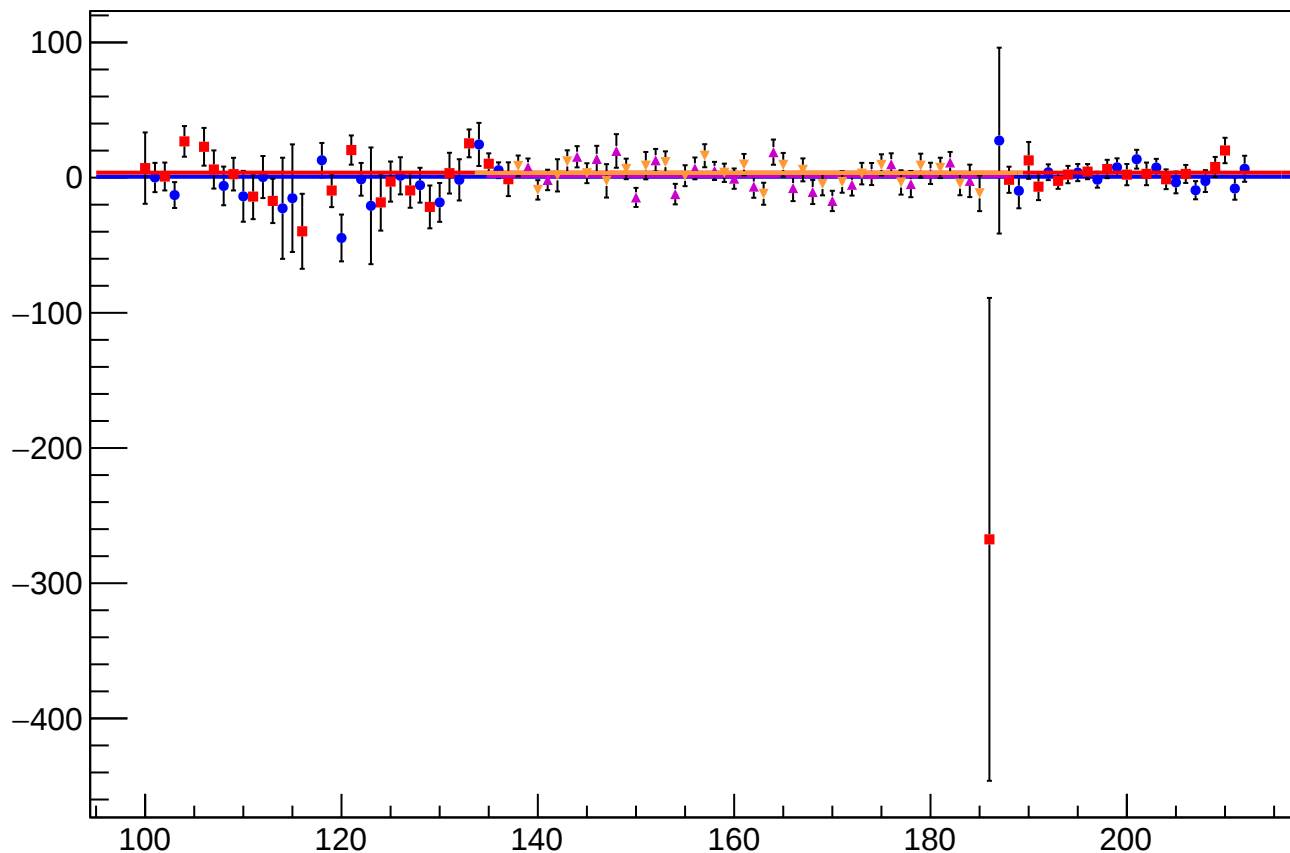
Left In: 9116.921+/-1.550 χ^2/NDF : 277594.8/22

+ sign 10486.693+/-1.351 χ^2/NDF : 8049112.0/54

All: 10602.933+/-0.971 χ^2/NDF : 16780246.3/100

- sign 10726.836+/-1.395 χ^2/NDF : 8715851.0/55

diff_bpm4acY_mean vs Slug



Right In: 0.652 ± 1.719 χ^2/NDF : 27.6/29

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 3.702 ± 1.697 χ^2/NDF : 34.4/32

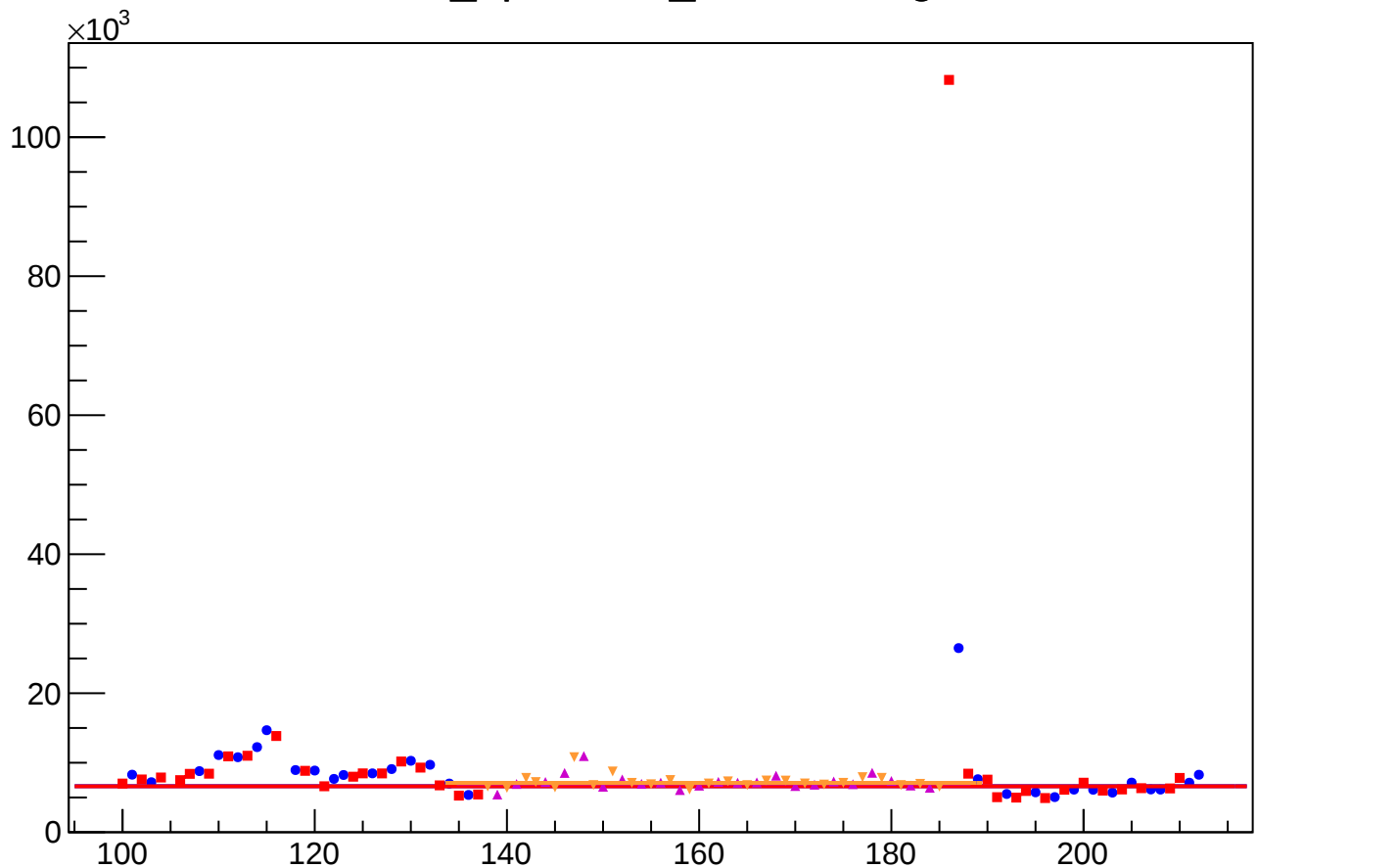
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.089 ± 1.196 χ^2/NDF : 47.9/54

All: 2.293 ± 0.848 χ^2/NDF : 120.0/110

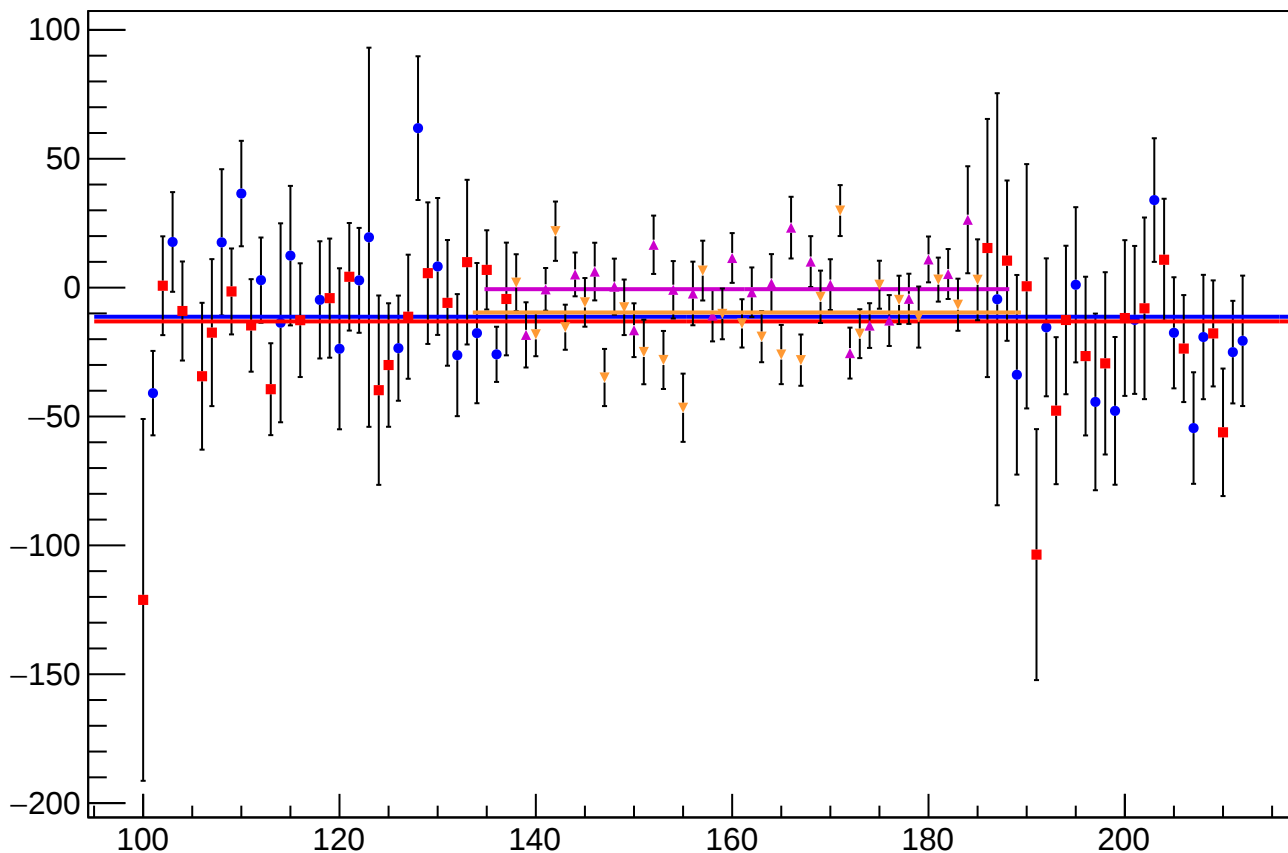
- sign 2.499 ± 1.201 χ^2/NDF : 72.0/55

diff_bpm4acY_rms vs Slug



Right In: 6627.267 $\pm$ 1.215	χ^2/NDF : 1604163.3/29	+ sign 6870.300 $\pm$ 0.846	χ^2/NDF : 2064307.2/54
Left Out: 7098.726 $\pm$ 1.178	χ^2/NDF : 382550.4/24	All: 6845.178 $\pm$ 0.599	χ^2/NDF : 4814025.6/11
Right Out: 6606.976 $\pm$ 1.200	χ^2/NDF : 2143821.5/32	- sign 6819.842 $\pm$ 0.849	χ^2/NDF : 2747946.7/55
Left In: 7033.702 $\pm$ 1.203	χ^2/NDF : 541035.5/22		

diff_bpm4ecX_mean vs Slug



Right In: -11.294 ± 4.200 χ^2/NDF : 36.0/29

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -13.103 ± 4.253 χ^2/NDF : 21.7/32

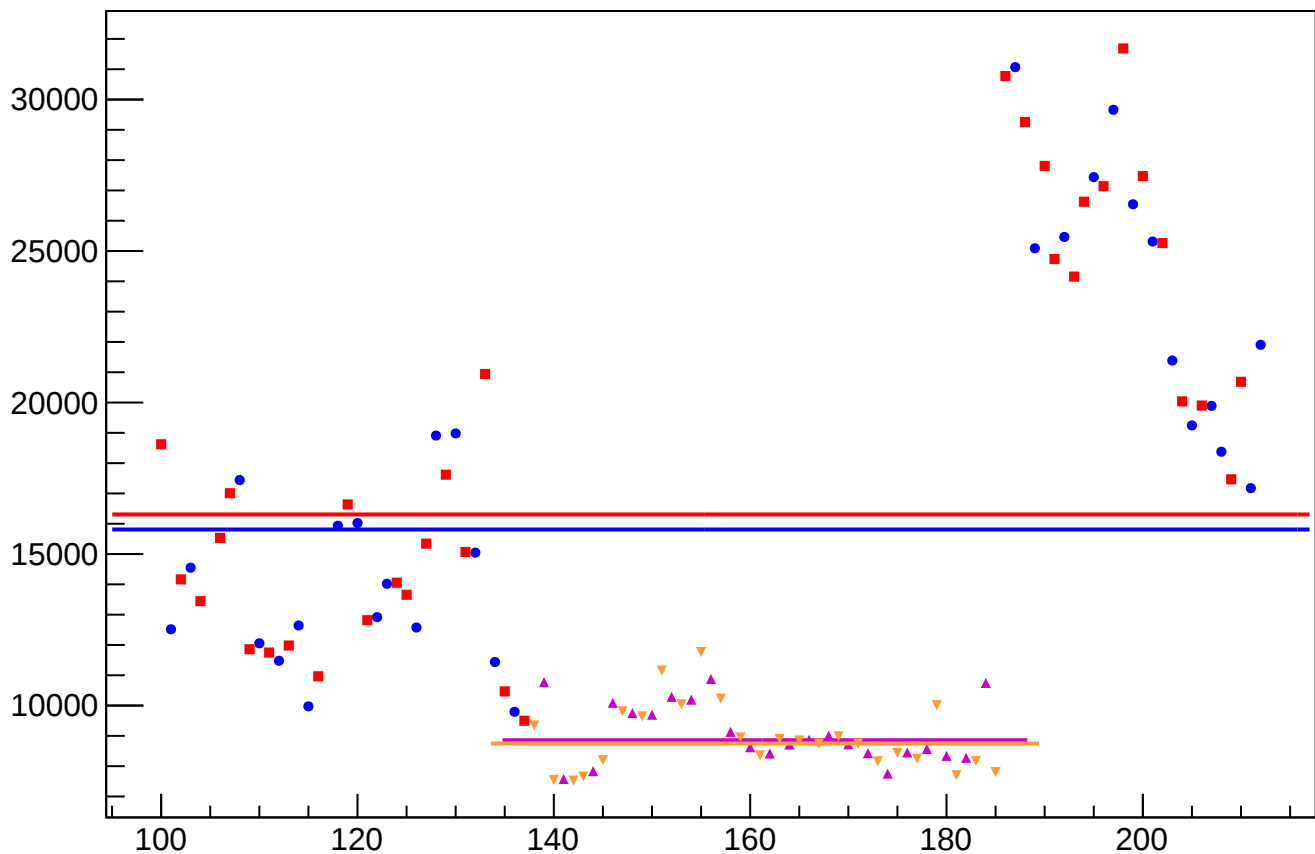
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.960 ± 1.848 χ^2/NDF : 93.7/54

All: -6.648 ± 1.327 χ^2/NDF : 158.6/110

- sign -3.116 ± 1.908 χ^2/NDF : 58.2/55

diff_bpm4ecX_rms vs Slug



Right In: 15810.578+/-2.970 χ^2/NDF : 3188644.5/29

Left Out: 8748.407+/-1.455 χ^2/NDF :463394.1/24

Right Out: 16306.631+/-3.008 χ^2/NDF : 3512418.1/32

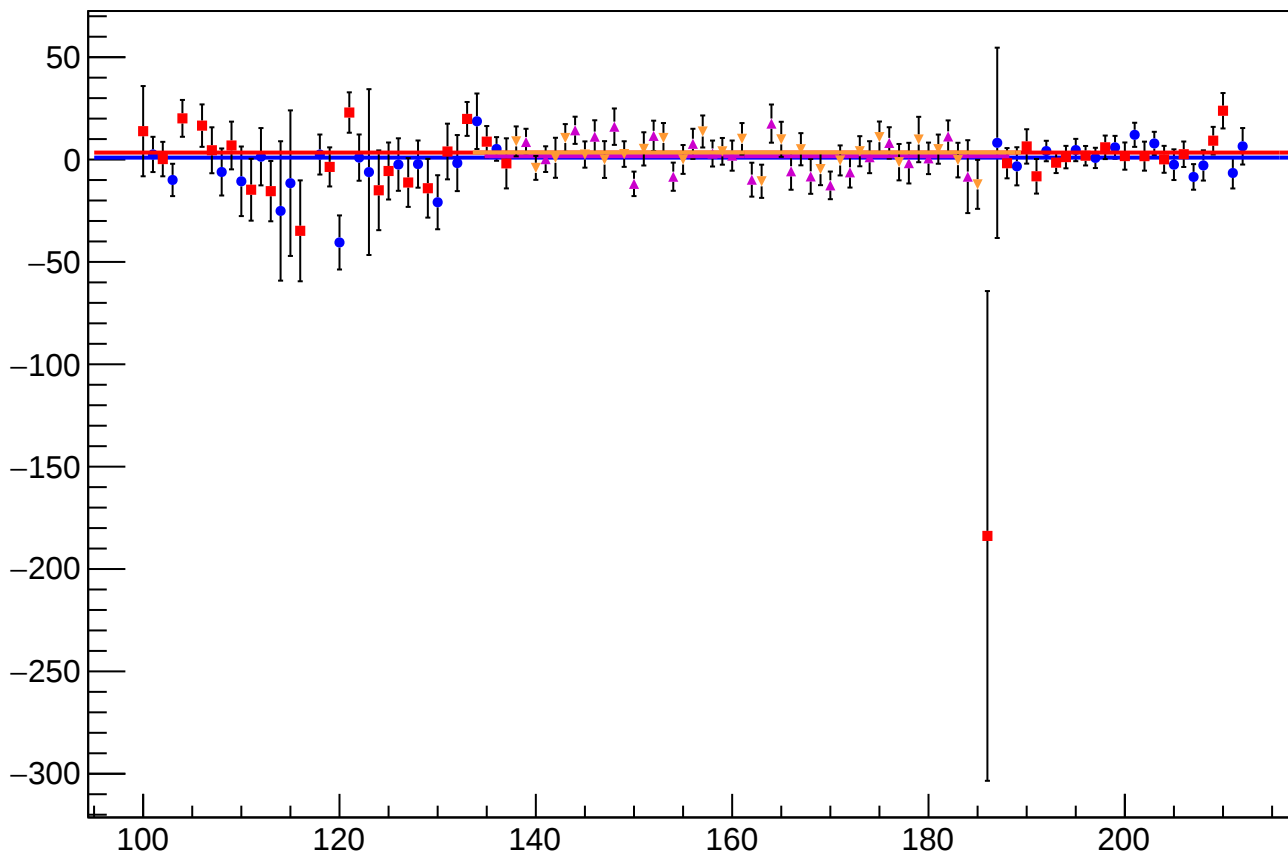
Left In: 8855.591+/-1.510 χ^2/NDF :367542.7/22

+ sign 10114.918+/-1.306 χ^2/NDF : 8212429.6/54

All: 10231.174+/-0.939 χ^2/NDF : 17011175.8

- sign 10355.180+/-1.349 χ^2/NDF : 8782380.2/55

diff_bpm4ecY_mean vs Slug



Right In: 0.946 ± 1.504 χ^2/NDF : 29.7/29

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 3.408 ± 1.461 χ^2/NDF : 37.4/32

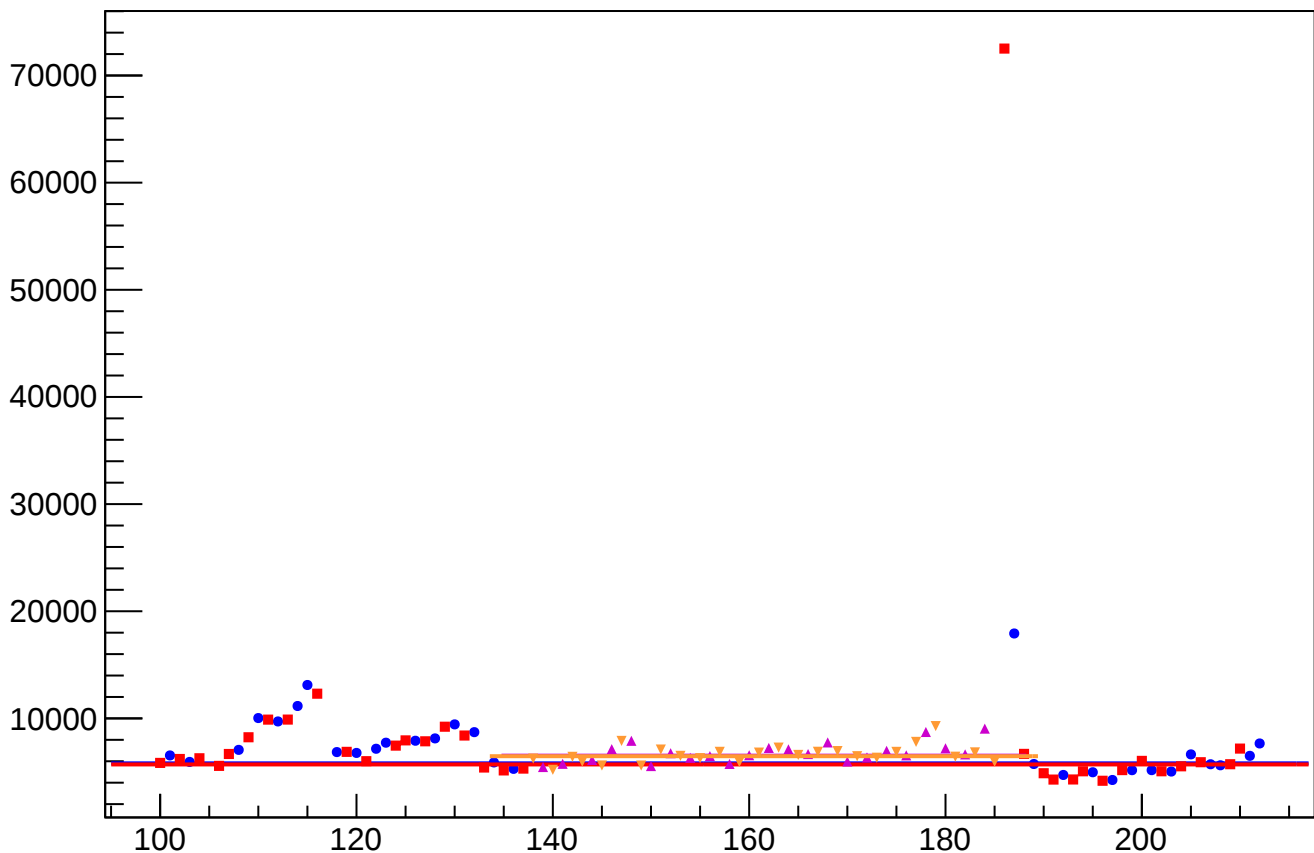
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.193 ± 1.071 χ^2/NDF : 46.8/54

All: 2.392 ± 0.758 χ^2/NDF : 118.7/110

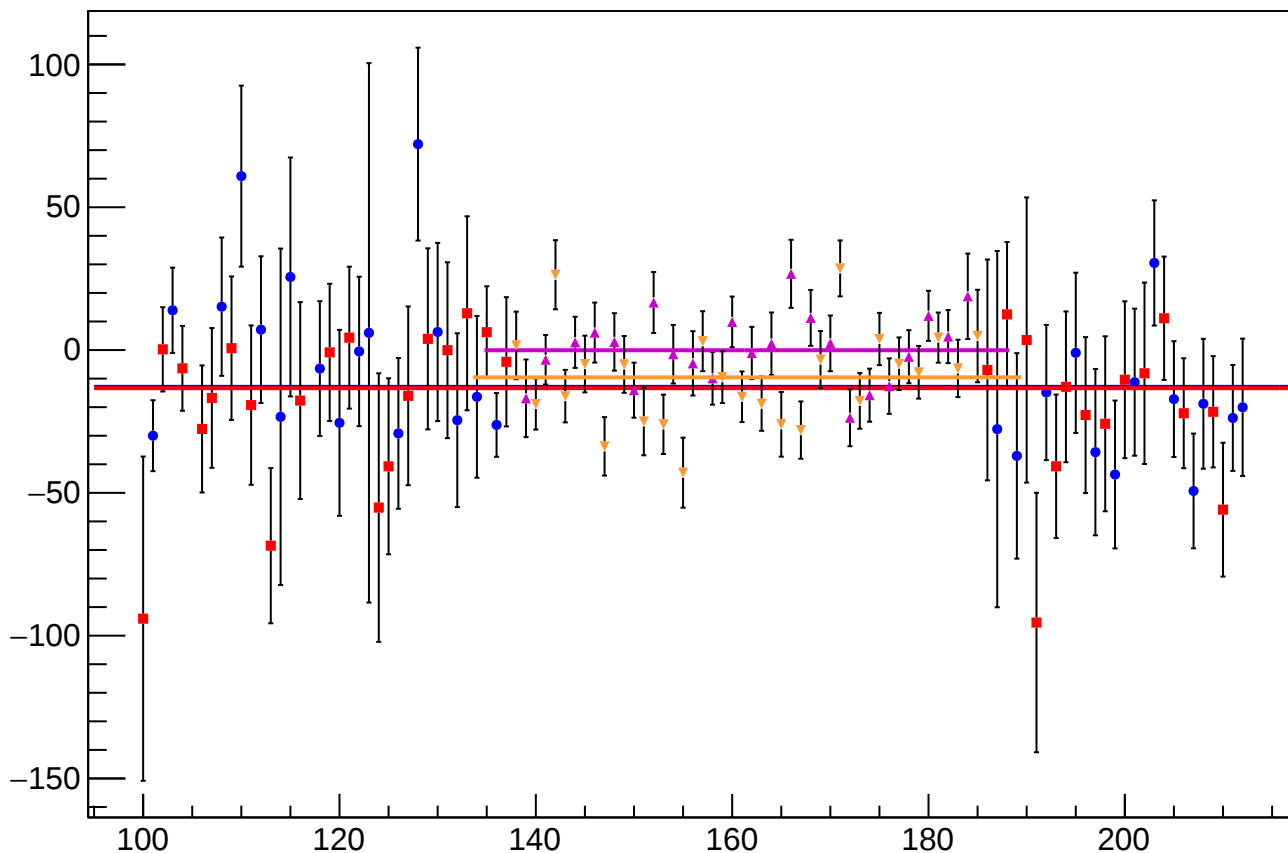
- sign 2.591 ± 1.072 χ^2/NDF : 71.9/55

diff_bpm4ecY_rms vs Slug



Right In: 5805.030+/-1.064 χ^2/NDF : 1603240.3/29
 Left Out: 6471.976+/-1.078 χ^2/NDF : 490282.9/24
 Right Out: 5702.675+/-1.033 χ^2/NDF : 2184017.3/32
 Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22
 + sign 6134.099+/-0.757 χ^2/NDF : 2287495.2/54
 All: 6107.558+/-0.536 χ^2/NDF : 5244272.3/11
 - sign 6080.946+/-0.758 χ^2/NDF : 2954316.0/55

diff_bpm1X_mean vs Slug



Right In: -12.888 ± 4.230 $\chi^2/\text{NDF}: 33.0/29$

Left Out: -9.554 ± 2.012 $\chi^2/\text{NDF}: 59.5/24$

Right Out: -13.352 ± 4.345 $\chi^2/\text{NDF}: 24.0/32$

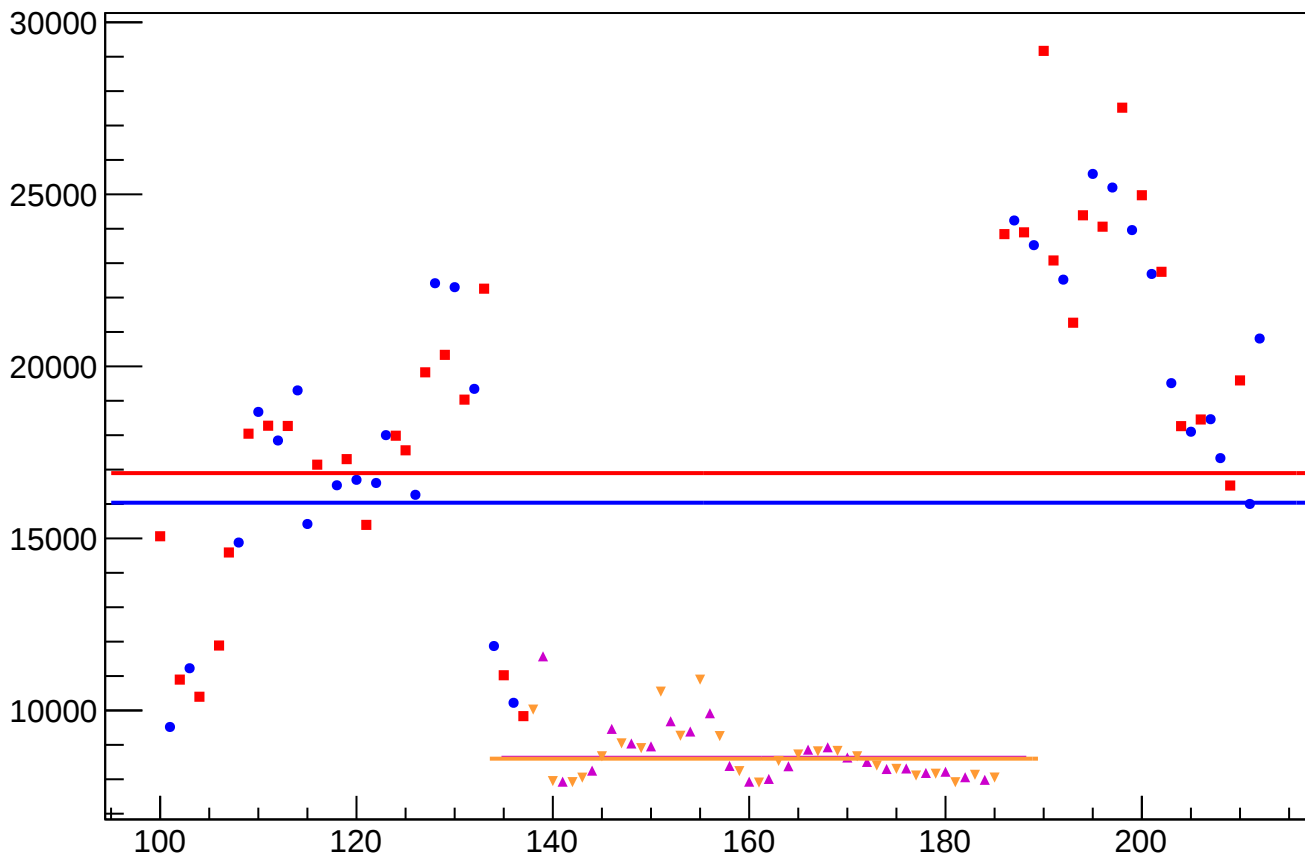
Left In: -0.072 ± 2.073 $\chi^2/\text{NDF}: 29.8/22$

+ sign -10.169 ± 1.817 $\chi^2/\text{NDF}: 93.1/54$

All: -6.463 ± 1.303 $\chi^2/\text{NDF}: 163.1/110$

- sign -2.533 ± 1.871 $\chi^2/\text{NDF}: 61.5/55$

diff_bpm1X_rms vs Slug



Right In: 16037.611 $\pm$ 2.991 χ^2 /NDF: 2767192.3/29

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 16898.179 $\pm$ 3.072 χ^2 /NDF: 2685271.7/32

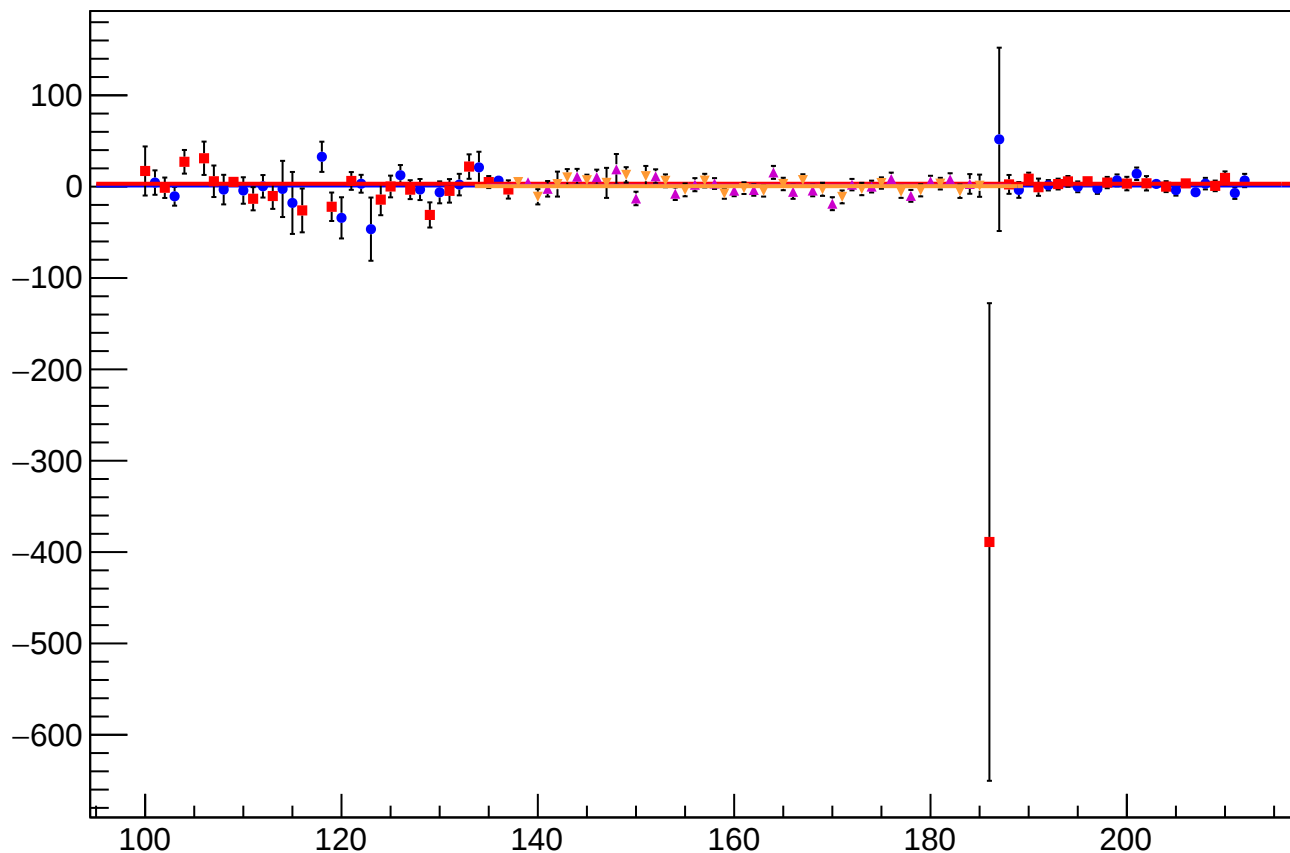
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 9971.193 $\pm$ 1.285 χ^2 /NDF: 8060446.2/54

All: 10062.260 $\pm$ 0.922 χ^2 /NDF: 16899651.1

- sign 10158.823 $\pm$ 1.323 χ^2 /NDF: 8828851.0/55

diff_bpm1Y_mean vs Slug



Right In: 1.282 $\pm$ 1.499 χ^2 /NDF: 24.7/29

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.185 $\pm$ 1.444 χ^2 /NDF: 28.5/32

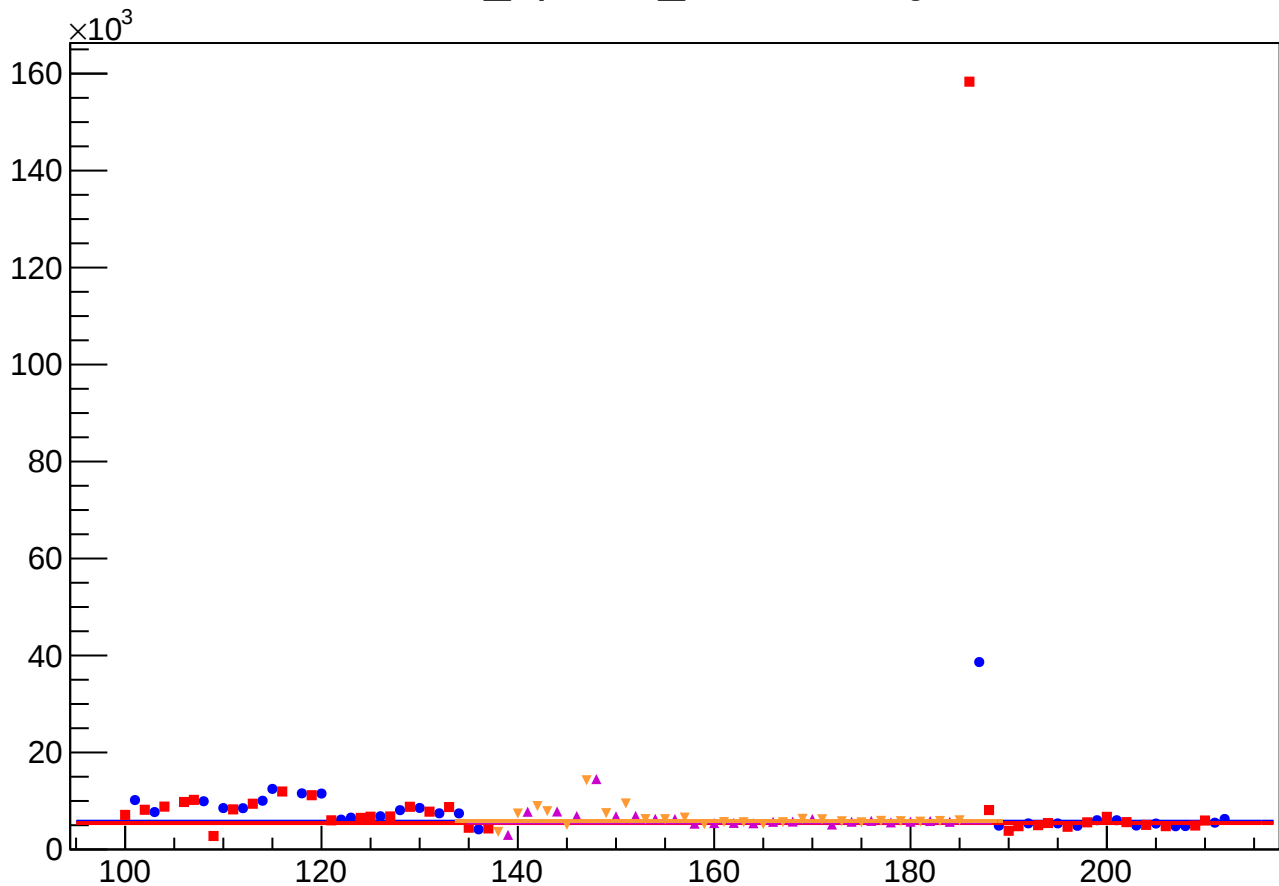
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.884 $\pm$ 1.030 χ^2 /NDF: 44.3/54

All: 1.498 $\pm$ 0.719 χ^2 /NDF: 107.2/110

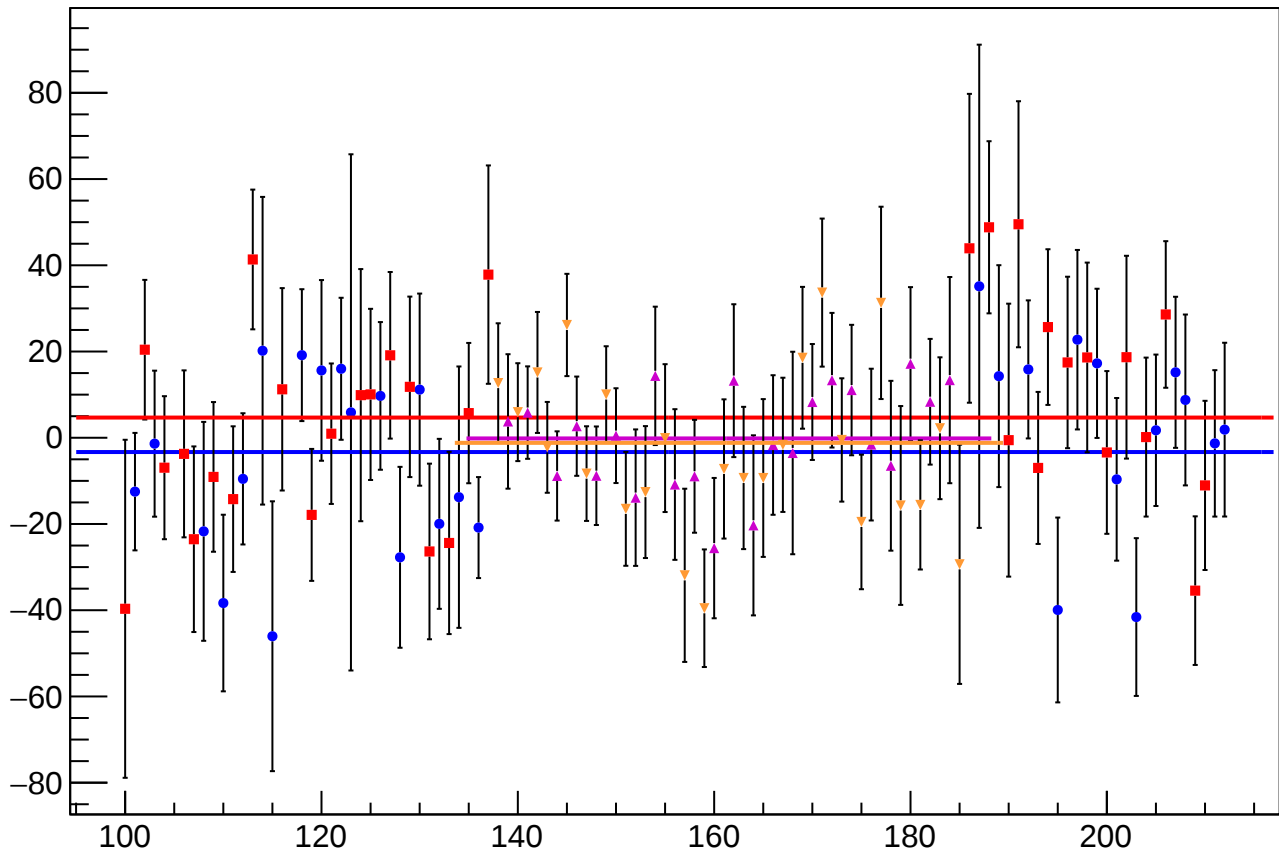
- sign 2.081 $\pm$ 1.003 χ^2 /NDF: 62.2/55

diff_bpm1Y_rms vs Slug



Right In: 5722.541 $\pm$ 1.060	χ^2/NDF : 2110132.5/29	+ sign 5795.428 $\pm$ 0.728	χ^2/NDF : 3809137.1/54
Left Out: 5860.605 $\pm$ 1.002	χ^2/NDF : 1690049.2/24	All: 5649.822 $\pm$ 0.508	χ^2/NDF : 9519318.2/11
Right Out: 5447.707 $\pm$ 1.021	χ^2/NDF : 3461912.9/32	- sign 5511.624 $\pm$ 0.710	χ^2/NDF : 5632280.8/55
Left In: 5571.330 $\pm$ 0.987	χ^2/NDF : 2162788.3/22		

diff_bpm11X_mean vs Slug



Right In: -3.313 ± 3.483 χ^2/NDF : 30.6/29

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 4.683 ± 3.421 χ^2/NDF : 40.5/32

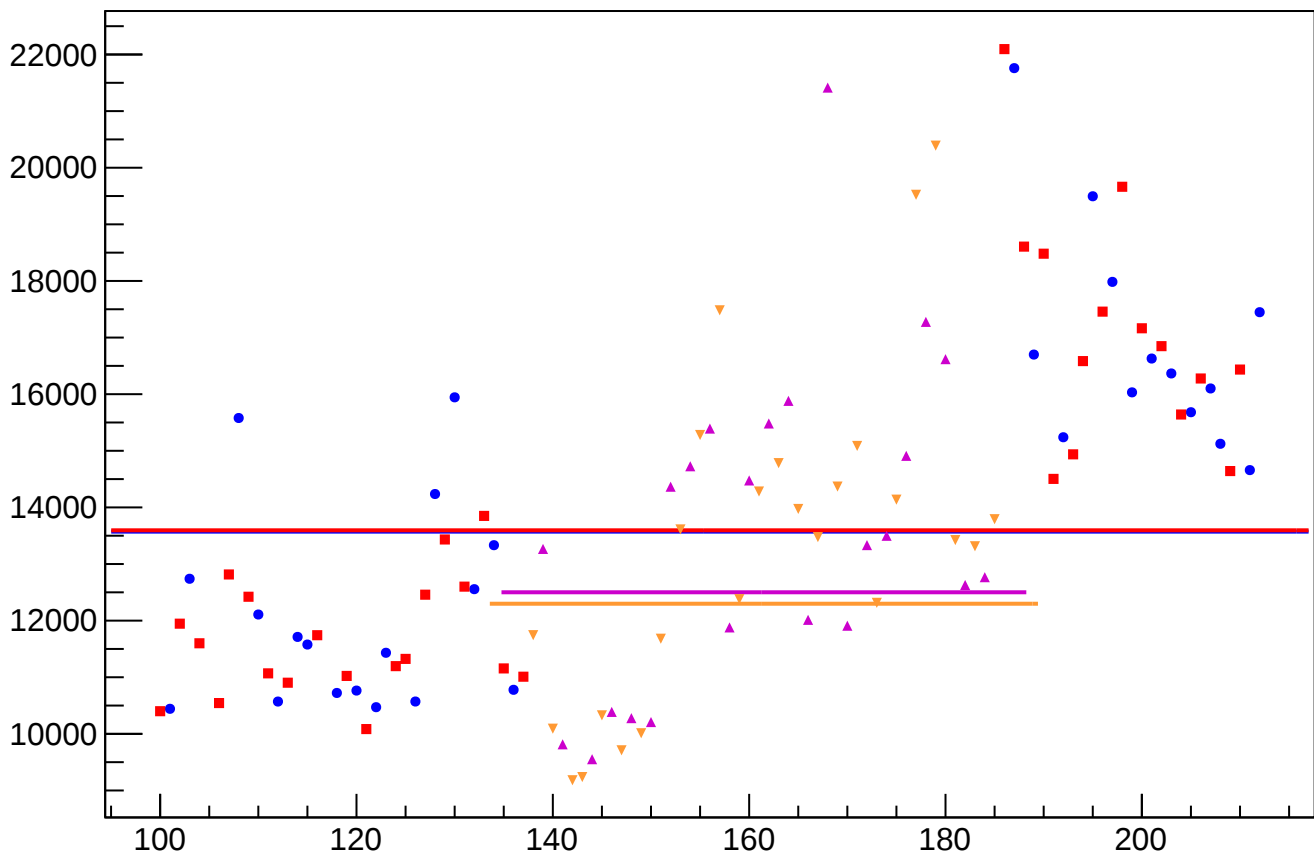
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.068 ± 2.246 χ^2/NDF : 64.5/54

All: -0.068 ± 1.600 χ^2/NDF : 119.2/110

- sign 1.993 ± 2.280 χ^2/NDF : 53.1/55

diff_bpm11X_rms vs Slug



Right In: 13572.364+/-2.463 χ^2/NDF : 1249758.7/29

Left Out: 12298.676+/-2.078 χ^2/NDF :1506026.8/24

Right Out: 13595.448+/-2.419 χ^2/NDF : 1319653.1/32

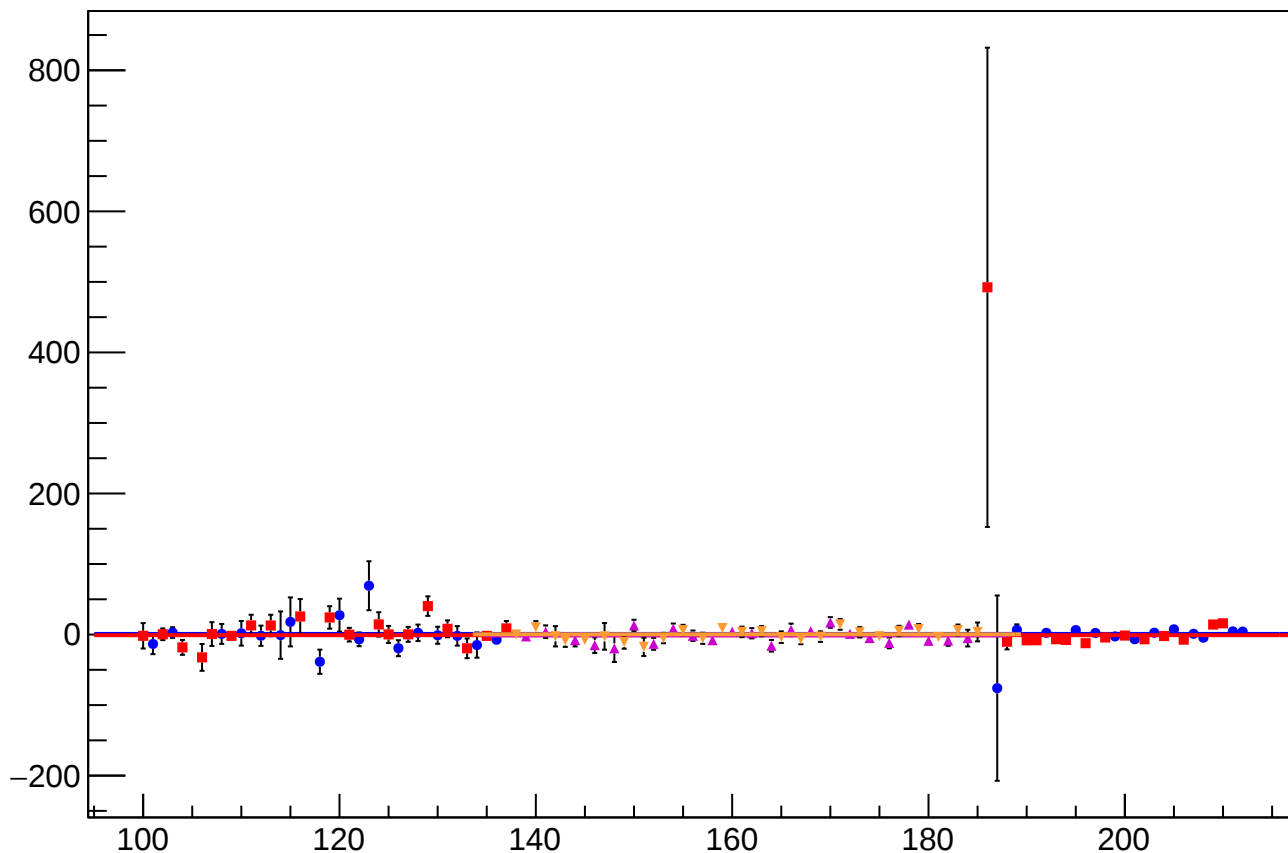
Left In: 12500.795+/-2.162 χ^2/NDF :1357889.1/22

+ sign 12828.388+/-1.588 χ^2/NDF : 2912020.7/54

All: 12906.505+/-1.131 χ^2/NDF : 5708299.0/1

- sign 12986.992+/-1.612 χ^2/NDF : 2791366.6/55

diff_bpm11Y_mean vs Slug



Right In: 0.864 ± 1.226 $\chi^2/\text{NDF}: 29.5/29$

Left Out: 0.353 ± 1.433 $\chi^2/\text{NDF}: 19.1/24$

Right Out: -0.890 ± 1.231 $\chi^2/\text{NDF}: 67.7/32$

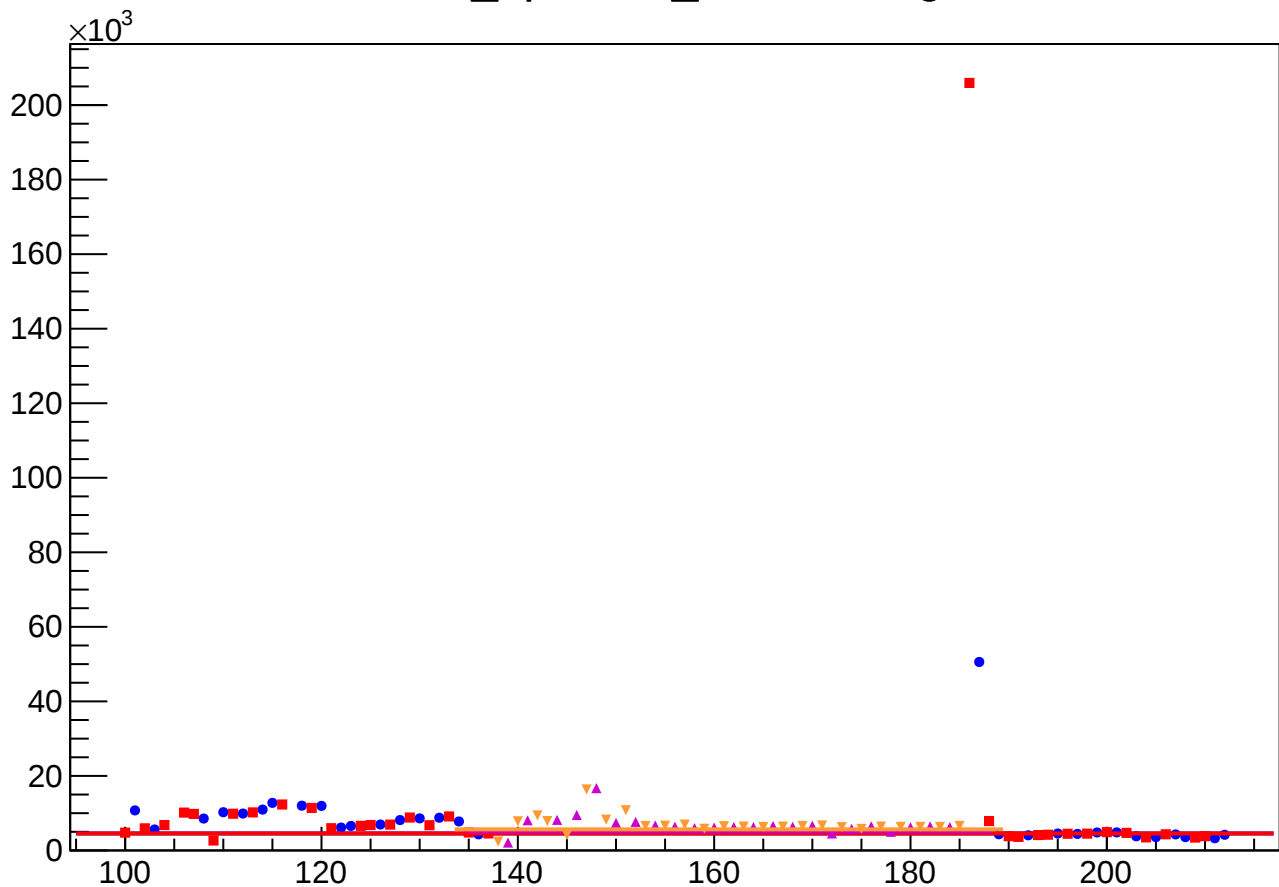
Left In: -1.165 ± 1.371 $\chi^2/\text{NDF}: 33.6/22$

+ sign 0.648 ± 0.932 $\chi^2/\text{NDF}: 48.7/54$

All: -0.196 ± 0.653 $\chi^2/\text{NDF}: 151.6/110$

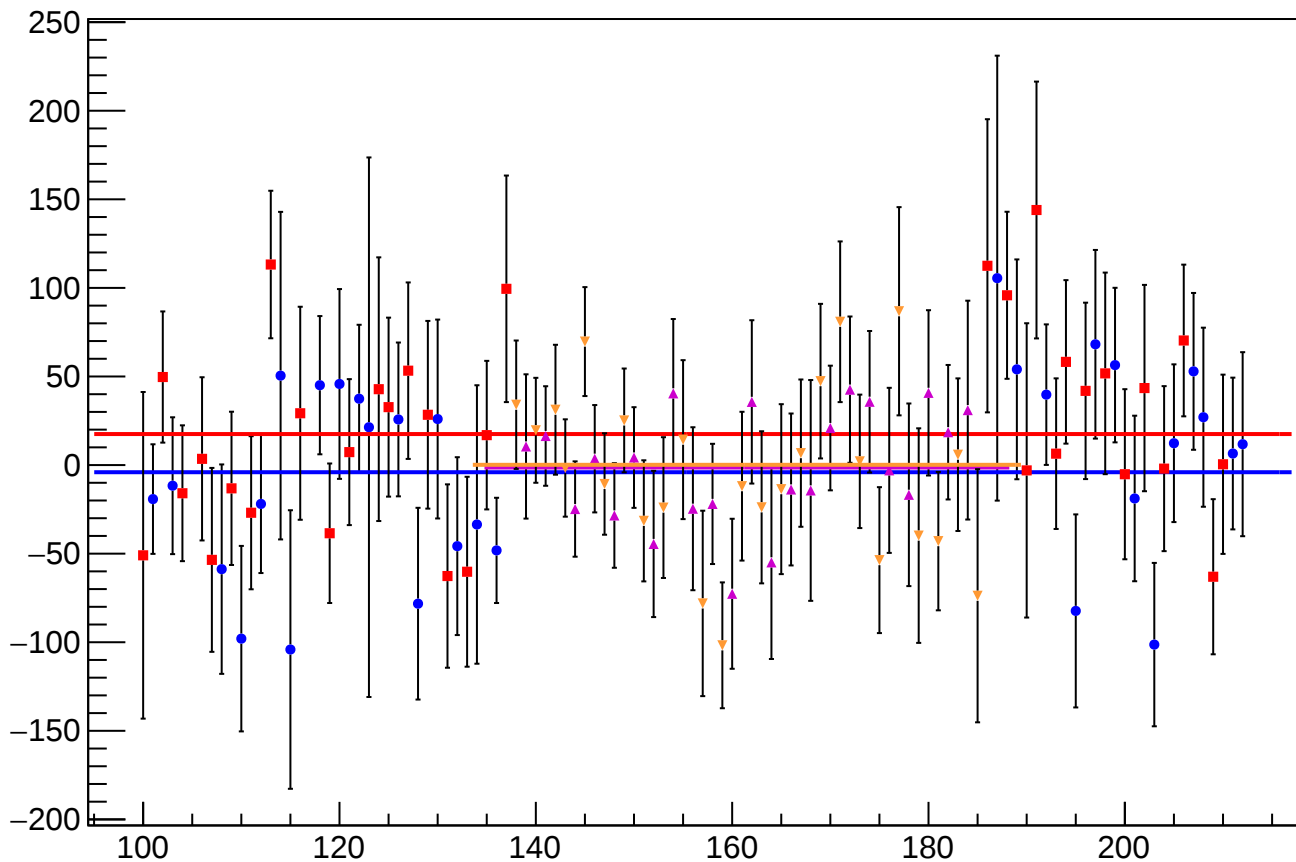
- sign -1.013 ± 0.916 $\chi^2/\text{NDF}: 101.3/55$

diff_bpm11Y_rms vs Slug



Right In: 4562.130+/-0.867	χ^2/NDF : 3436381.3/29	+ sign 5025.760+/-0.659	χ^2/NDF : 8241820.2/54
Left Out: 5659.441+/-1.014	χ^2/NDF : 4128583.6/24	All: 4920.220+/-0.462	χ^2/NDF : 17942995.0/1
Right Out: 4560.503+/-0.871	χ^2/NDF : 3958886.0/32	- sign 4818.165+/-0.648	χ^2/NDF : 9650698.5/55
Left In: 5137.772+/-0.970	χ^2/NDF : 5495609.7/22		

diff_bpm12X_mean vs Slug



Right In: -4.036 ± 8.693 χ^2/NDF : 31.2/29

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 17.508 ± 8.540 χ^2/NDF : 34.2/32

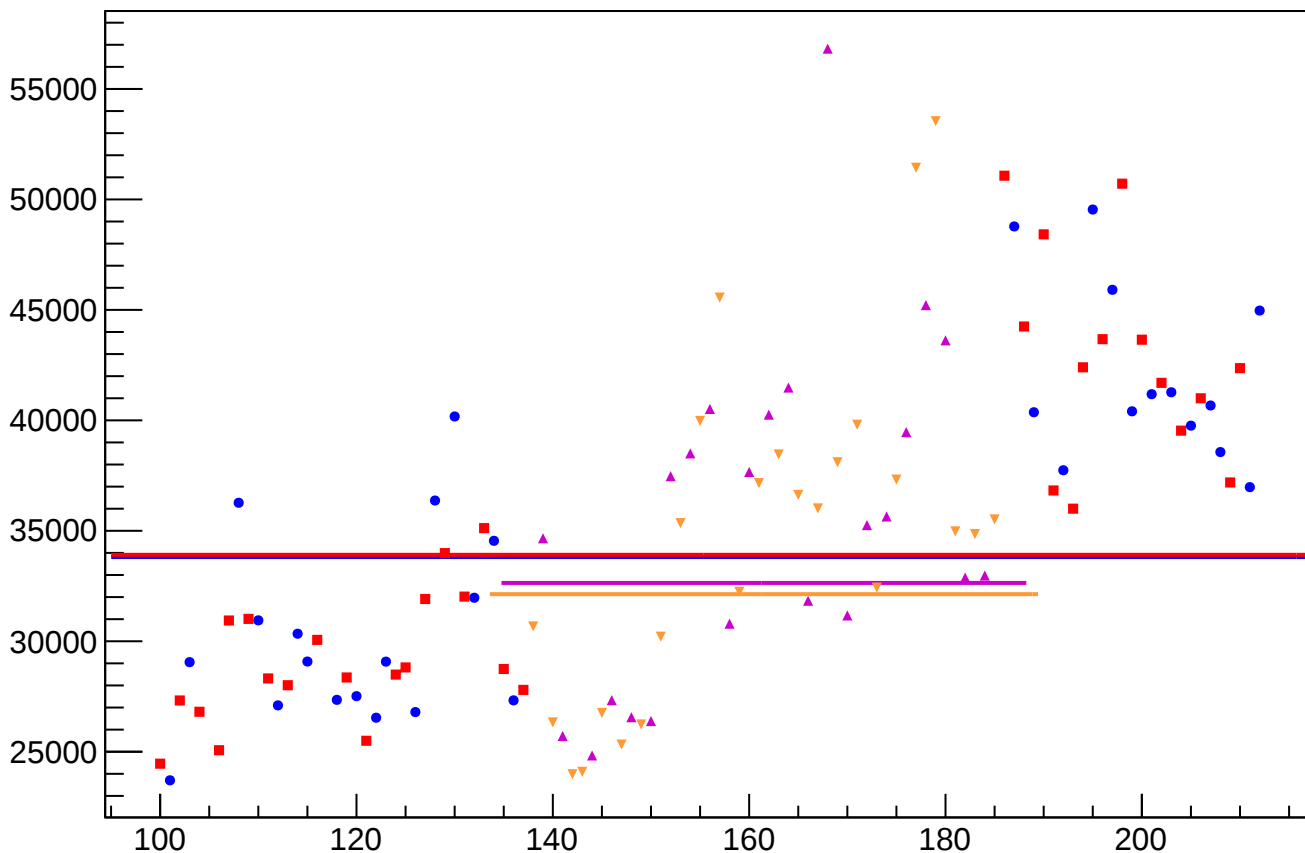
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -1.690 ± 5.757 χ^2/NDF : 62.6/54

All: 2.813 ± 4.098 χ^2/NDF : 113.9/110

- sign 7.439 ± 5.835 χ^2/NDF : 50.0/55

diff_bpm12X_rms vs Slug



Right In: 33812.082 $\pm$ 6.147 χ^2 /NDF: 1341350.9/29

Left Out: 32132.314 $\pm$ 5.433 χ^2 /NDF:1540079.4/24

Right Out: 33913.683 $\pm$ 6.039 χ^2 /NDF: 1373381.3/32

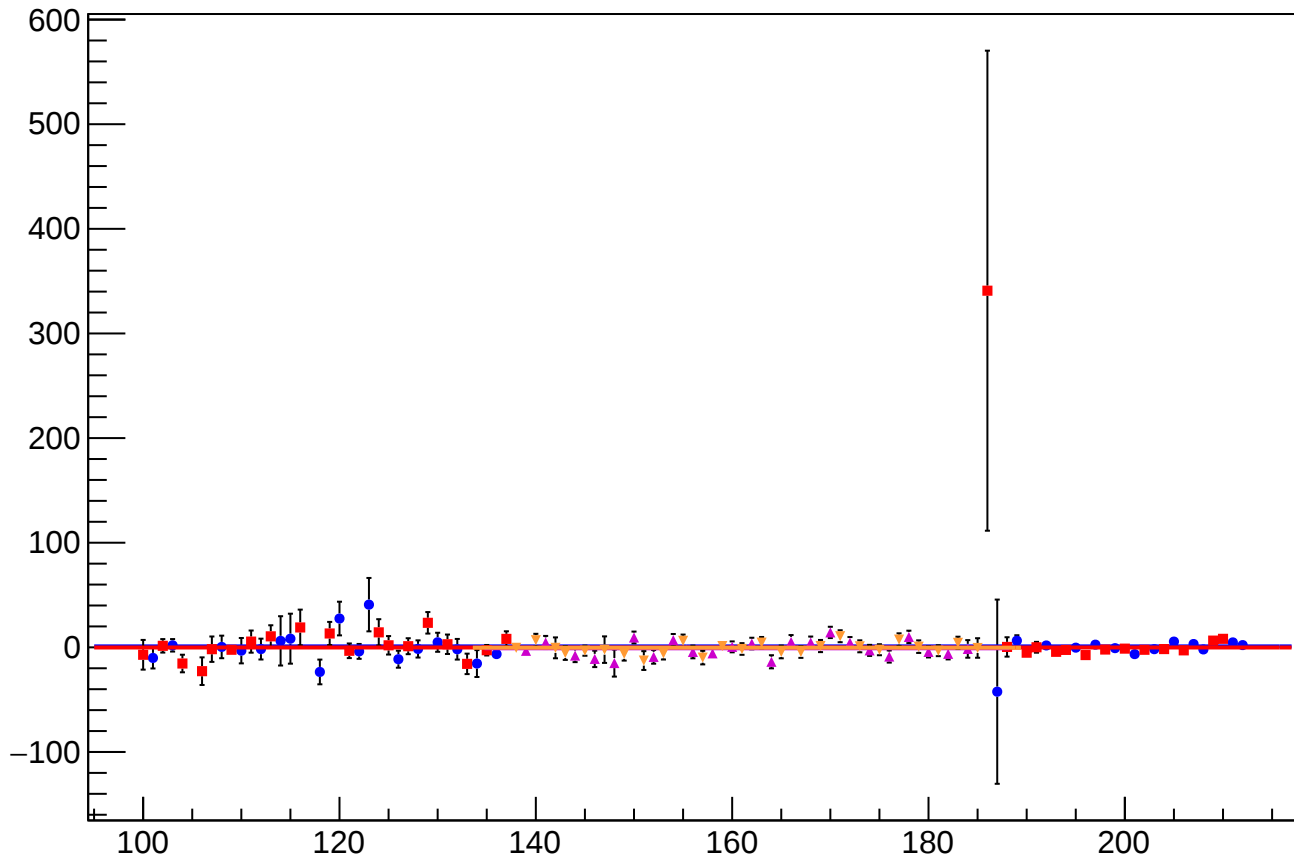
Left In: 32641.162 $\pm$ 5.650 χ^2 /NDF:1402162.4/22

+ sign 32869.005 $\pm$ 4.071 χ^2 /NDF: 2923355.3/54

All: 33049.610 $\pm$ 2.898 χ^2 /NDF: 5726566.5/100

- sign 33235.127 $\pm$ 4.126 χ^2 /NDF: 2799221.0/55

diff_bpm12Y_mean vs Slug



Right In: 0.933 ± 0.731 $\chi^2/\text{NDF}: 38.6/29$

Left Out: -0.312 ± 1.172 $\chi^2/\text{NDF}: 17.6/24$

Right Out: -0.133 ± 0.780 $\chi^2/\text{NDF}: 55.7/32$

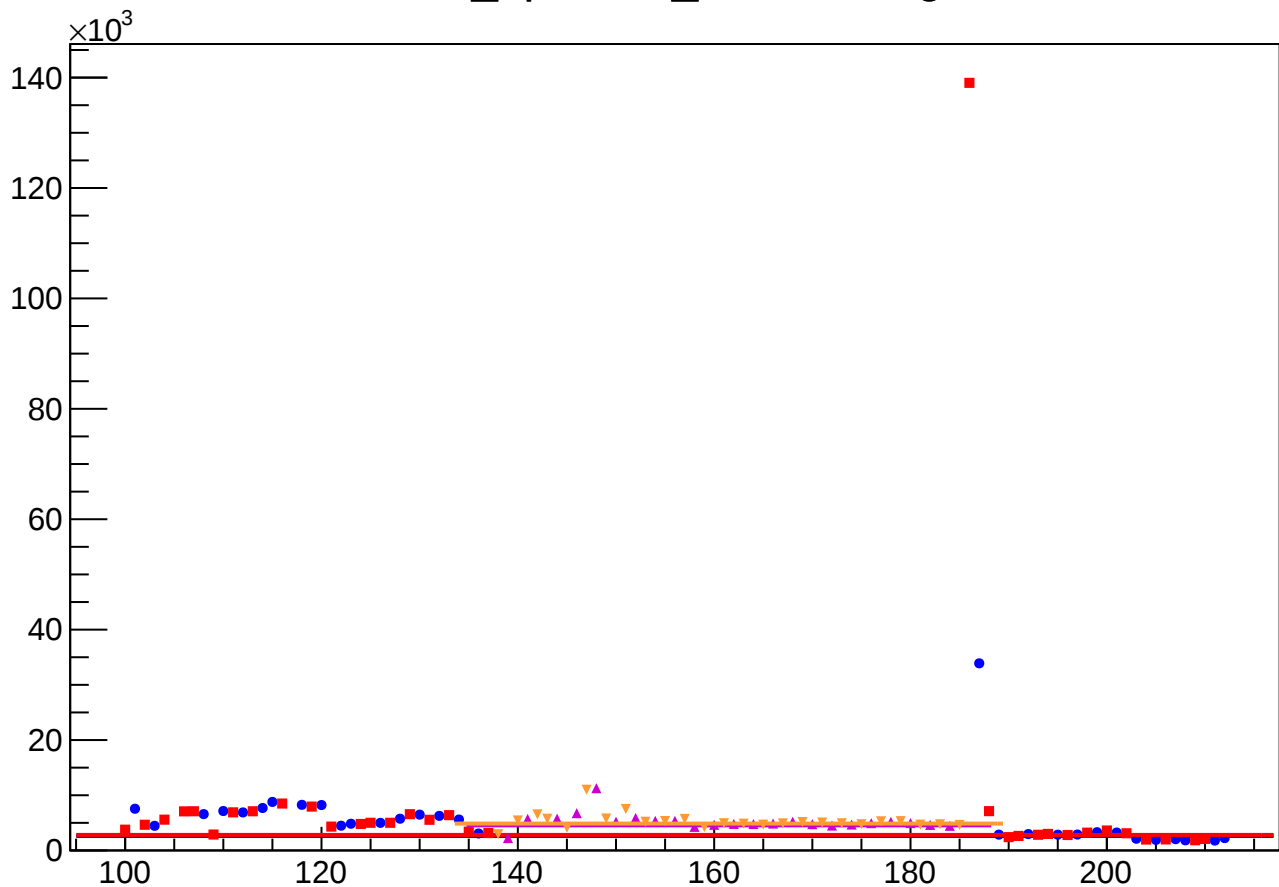
Left In: -0.908 ± 1.142 $\chi^2/\text{NDF}: 36.2/22$

+ sign 0.584 ± 0.620 $\chi^2/\text{NDF}: 57.1/54$

All: 0.121 ± 0.447 $\chi^2/\text{NDF}: 150.4/110$

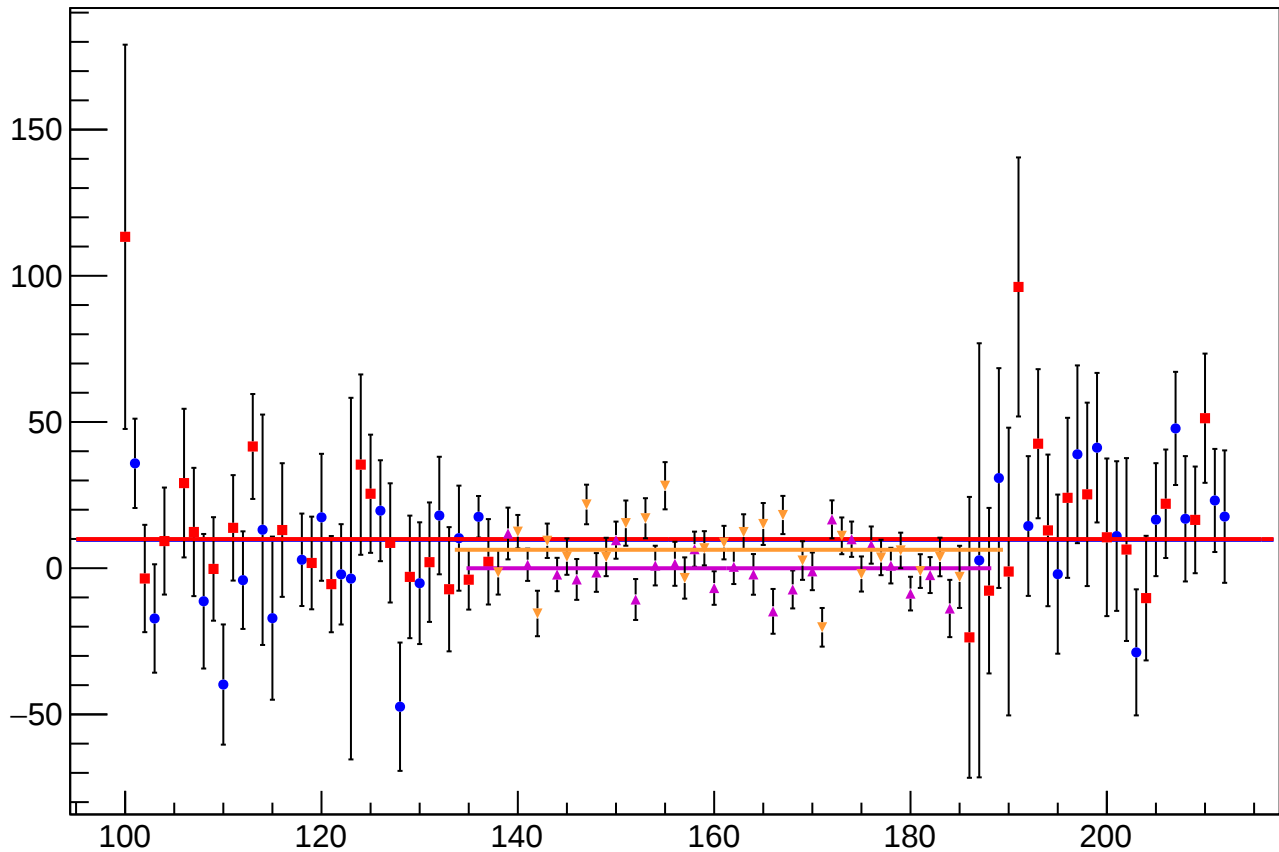
- sign -0.379 ± 0.644 $\chi^2/\text{NDF}: 92.2/55$

diff_bpm12Y_rms vs Slug



Right In: 2625.303+/-0.517	χ^2/NDF : 5354841.3/29	+ sign 3253.670+/-0.438	χ^2/NDF : 12143607.8/54
Left Out: 4868.567+/-0.829	χ^2/NDF : 1511151.0/24	All: 3307.320+/-0.316	χ^2/NDF : 23645700.9/1
Right Out: 2815.751+/-0.551	χ^2/NDF : 5711868.2/32	- sign 3365.171+/-0.455	χ^2/NDF : 11470981.1/55
Left In: 4544.337+/-0.808	χ^2/NDF : 2634314.4/22		

diff_bpm16X_mean vs Slug



Right In: 9.692 ± 3.475 χ^2/NDF : 34.1/29

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 9.961 ± 3.619 χ^2/NDF : 24.7/32

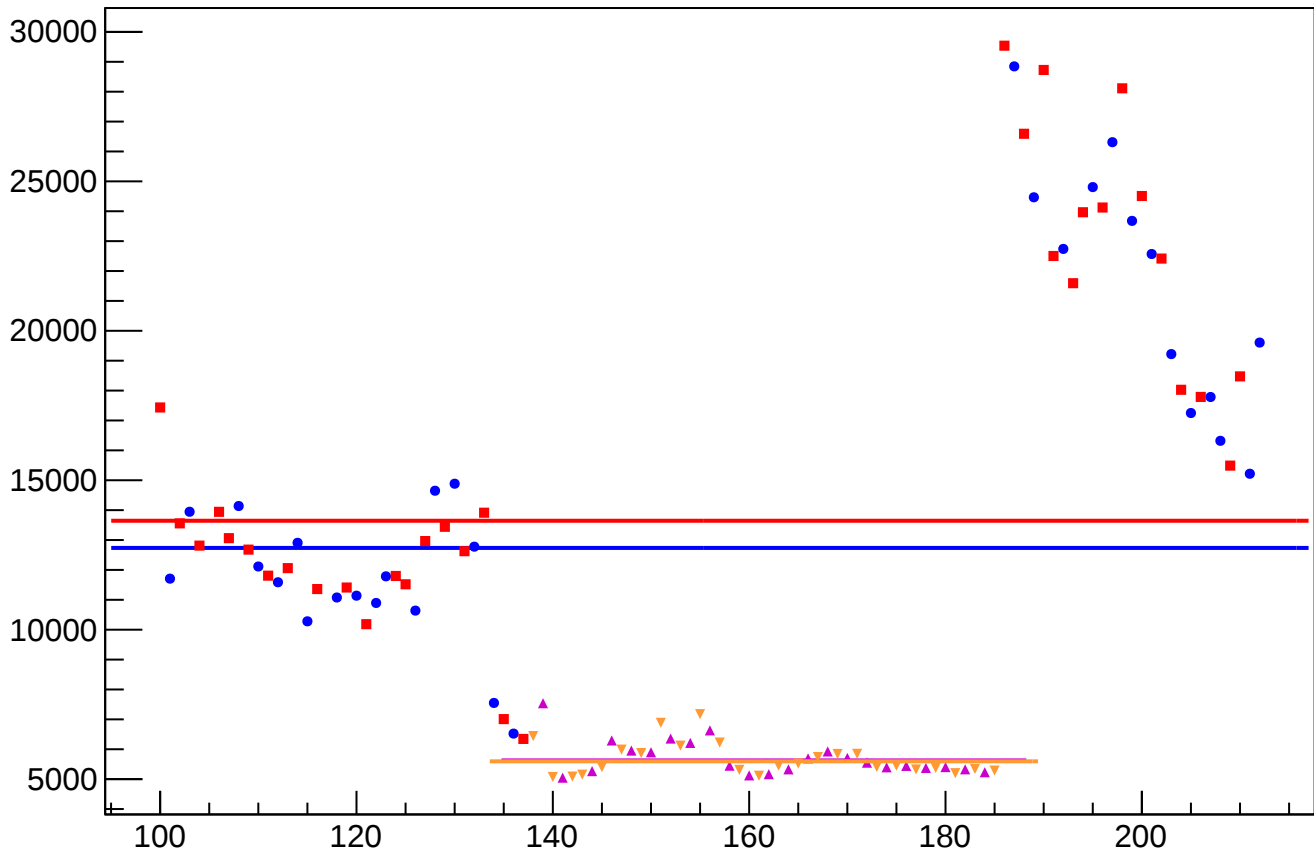
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.718 ± 1.226 χ^2/NDF : 91.5/54

All: 4.053 ± 0.881 χ^2/NDF : 162.5/110

- sign 1.204 ± 1.267 χ^2/NDF : 61.3/55

diff_bpm16X_rms vs Slug



Right In: 12735.857+/-2.457 χ^2/NDF : 4665540.8/29

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 13644.981+/-2.559 χ^2/NDF : 4500414.1/32

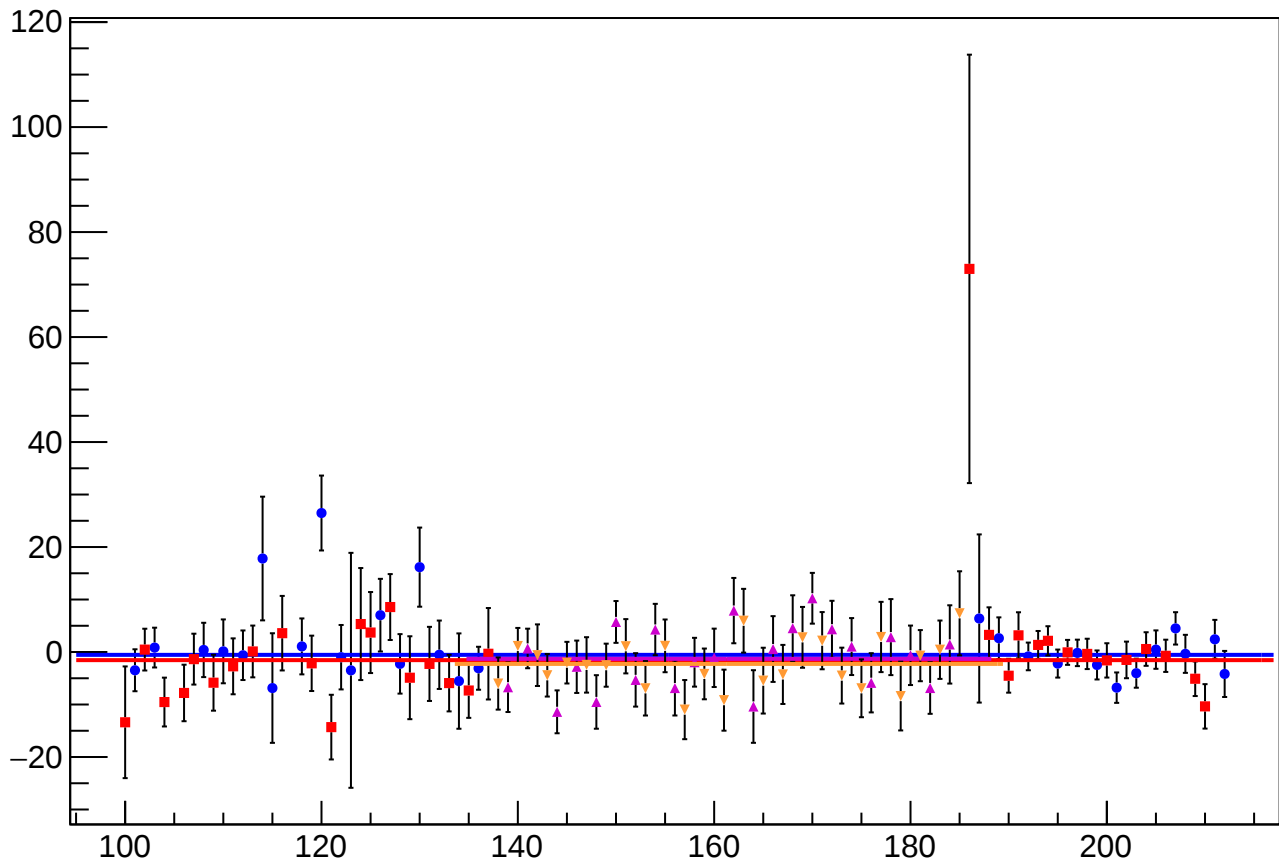
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6484.849+/-0.867 χ^2/NDF : 12340145.3/54

All: 6545.734+/-0.623 χ^2/NDF : 25744279.5/100

- sign 6610.804+/-0.896 χ^2/NDF : 13393929.1/55

diff_bpm16Y_mean vs Slug



Right In: -0.540 ± 0.750 χ^2/NDF : 36.9/29

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.548 ± 0.737 χ^2/NDF : 32.7/32

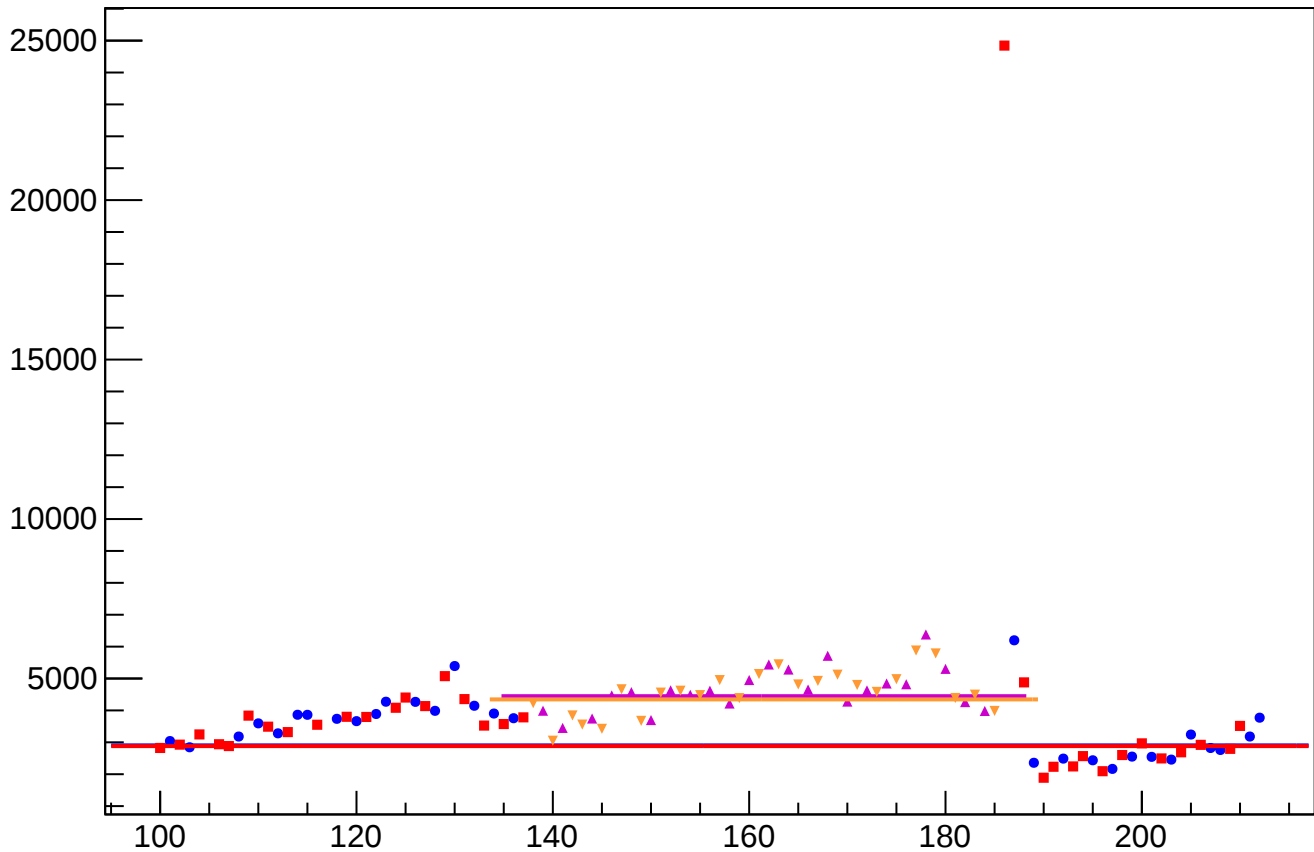
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.139 ± 0.606 χ^2/NDF : 54.1/54

All: -1.304 ± 0.429 χ^2/NDF : 117.8/110

- sign -1.470 ± 0.608 χ^2/NDF : 63.5/55

diff_bpm16Y_rms vs Slug



Right In: 2902.877+/-0.530 χ^2/NDF : 1390698.9/29

Left Out: 4345.381+/-0.728 χ^2/NDF : 1000636.1/24

Right Out: 2880.716+/-0.521 χ^2/NDF : 2311536.7/32

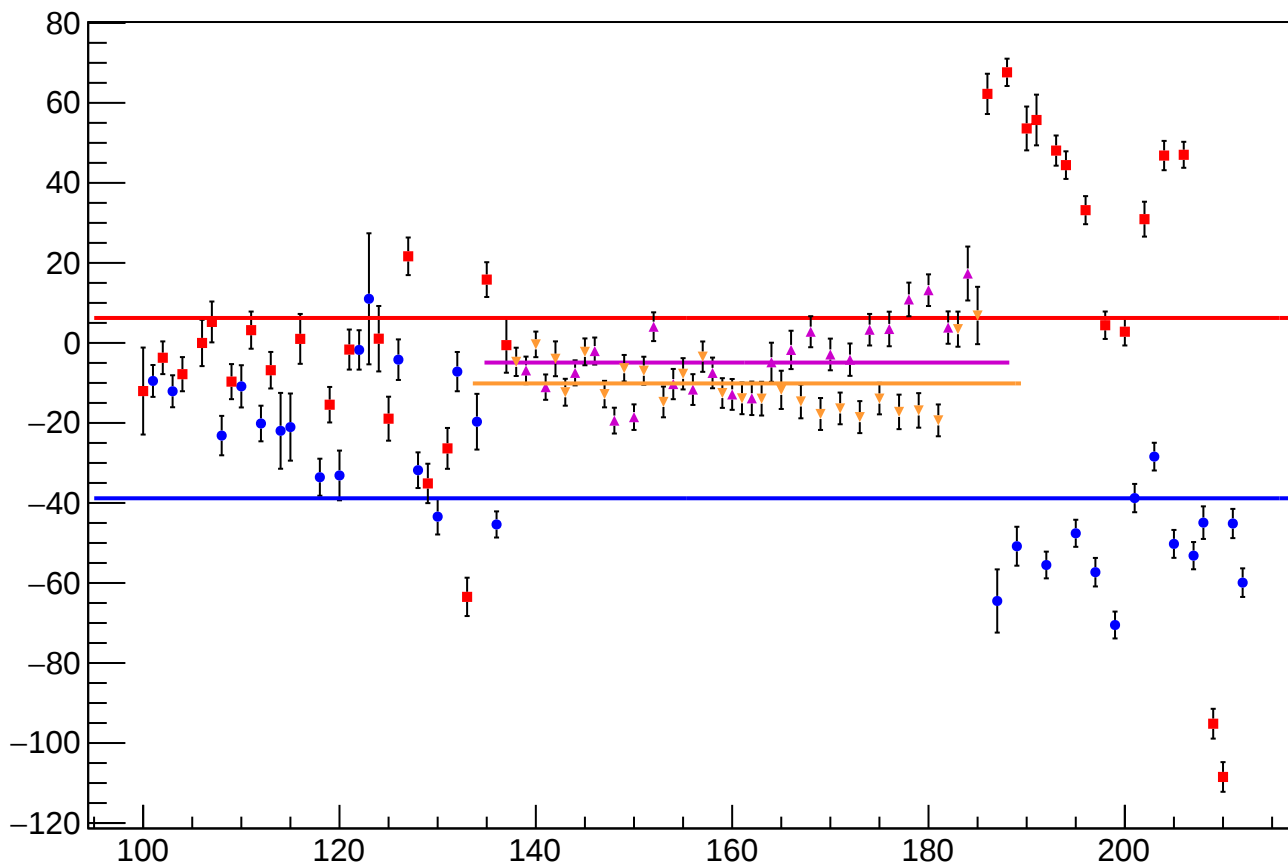
Left In: 4446.181+/-0.762 χ^2/NDF : 702797.6/22

+ sign 3403.159+/-0.429 χ^2/NDF : 4956413.5/54

All: 3391.637+/-0.304 χ^2/NDF : 10849690.8/100

- sign 3380.037+/-0.430 χ^2/NDF : 5891827.5/55

diff_bpm0l01X_mean vs Slug



Right In: -38.831 ± 0.781 χ^2/NDF : 575.5/29

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 6.237 ± 0.767 χ^2/NDF : 3330.4/32

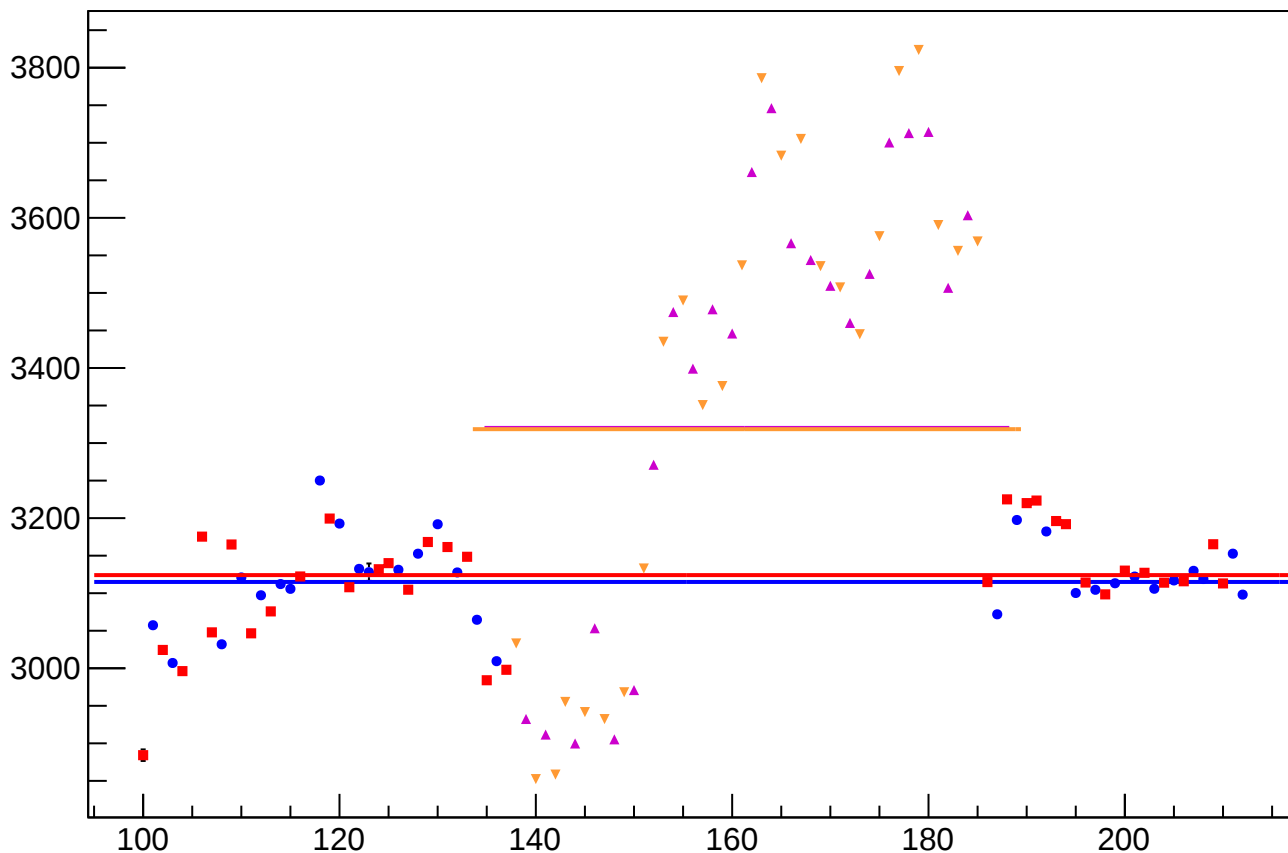
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -24.375 ± 0.550 χ^2/NDF : 1323.7/54

All: -11.802 ± 0.390 χ^2/NDF : 5932.1/110

- sign 0.878 ± 0.553 χ^2/NDF : 3559.9/55

diff_bpm0l01X_rms vs Slug



Right In: 3114.989 $\pm$ 0.552 χ^2 /NDF: 9311.1/29

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3124.100 $\pm$ 0.542 χ^2 /NDF: 14018.6/32

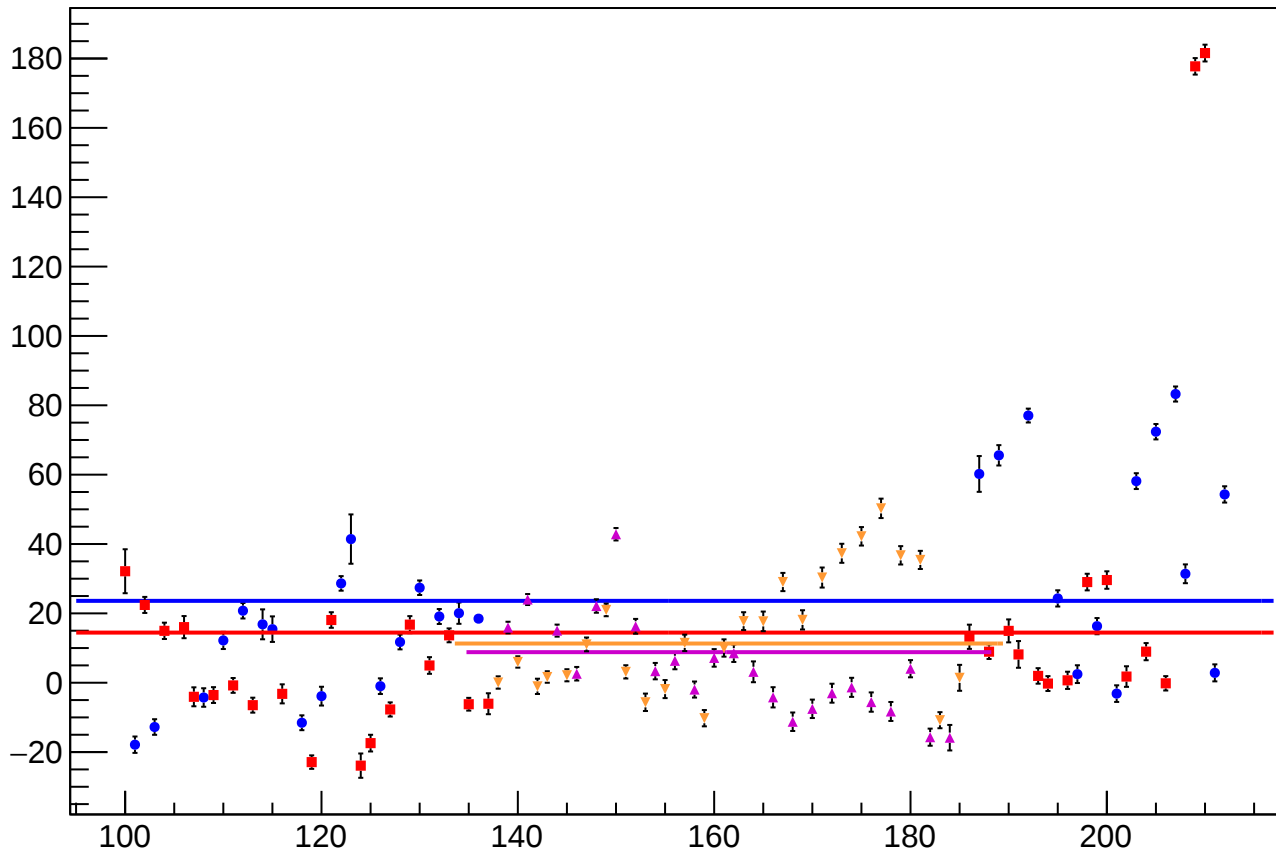
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3217.479 $\pm$ 0.389 χ^2 /NDF: 415388.9/54

All: 3217.911 $\pm$ 0.276 χ^2 /NDF: 779884.0/110

- sign 3218.347 $\pm$ 0.391 χ^2 /NDF: 364492.6/55

diff_bpm0l01Y_mean vs Slug



Right In: 23.609 $\pm$ 0.433 χ^2 /NDF: 4148.4/29

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 14.457 $\pm$ 0.424 χ^2 /NDF: 11014.6/32

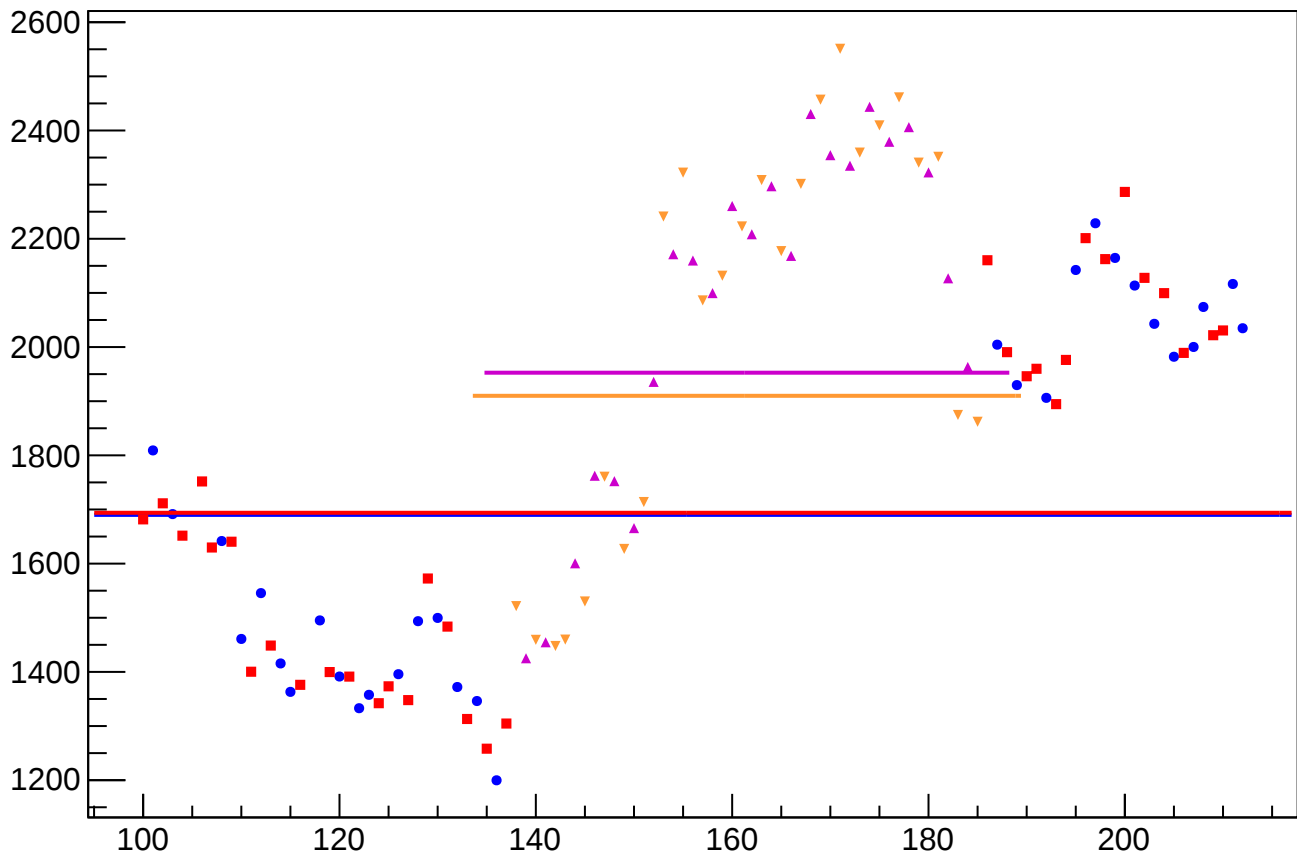
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 17.751 $\pm$ 0.313 χ^2 /NDF: 5677.7/54

All: 14.884 $\pm$ 0.223 χ^2 /NDF: 17882.4/110

- sign 11.958 $\pm$ 0.316 χ^2 /NDF: 12035.2/55

diff_bpm0l01Y_rms vs Slug



Right In: 1690.035 $\pm$ 0.306 χ^2 /NDF: 1193815.4/29

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

+ sign 1794.739 $\pm$ 0.221 χ^2 /NDF: 2839336.6/54

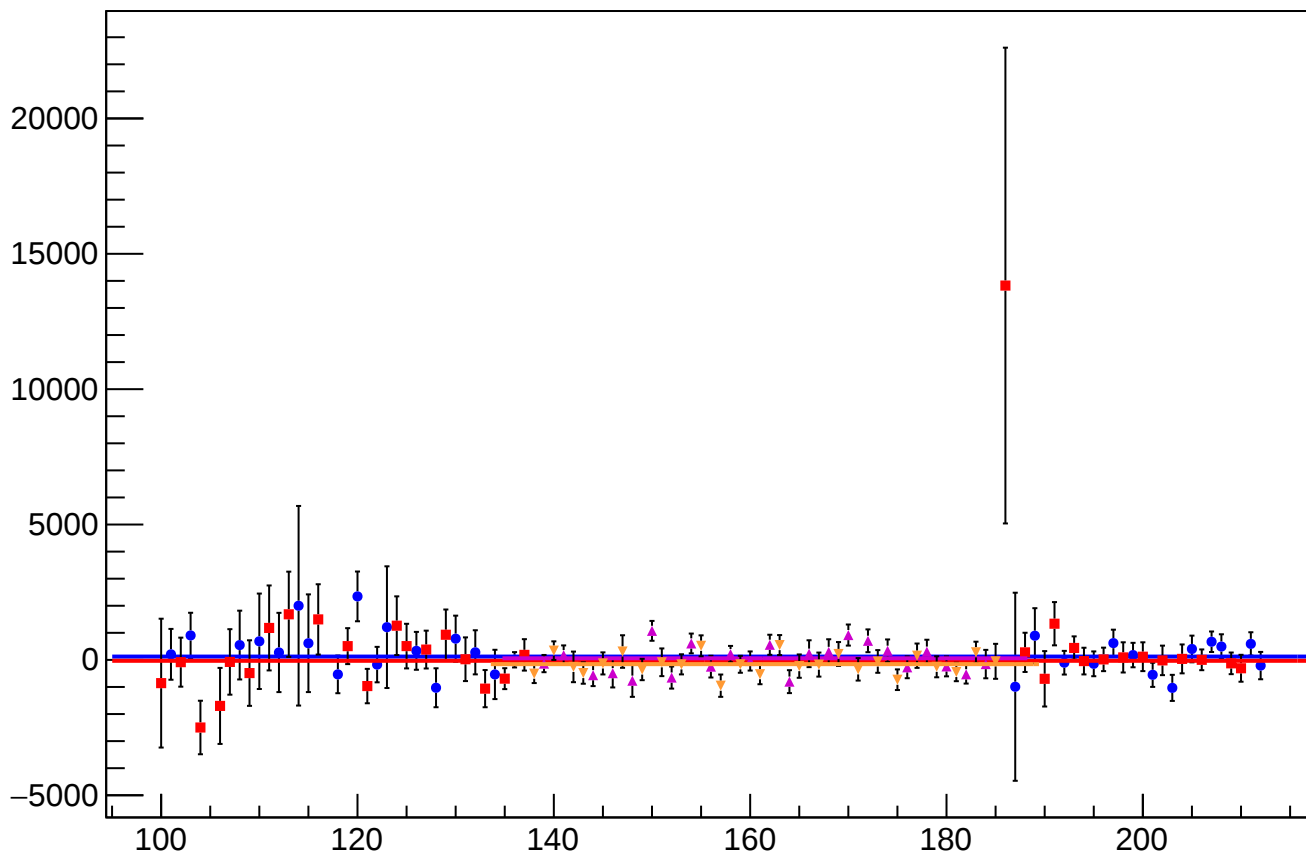
Right Out: 1693.904 $\pm$ 0.300 χ^2 /NDF: 1158276.3/32

All: 1801.559 $\pm$ 0.157 χ^2 /NDF: 5394877.9/11

Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

- sign 1808.522 $\pm$ 0.224 χ^2 /NDF: 2553624.1/55

asym_sam1_mean vs Slug



Right In: 122.897+/-108.286 χ^2/NDF : 27.7/29

Left Out: -157.242+/-80.796 χ^2/NDF : 22.0/24

Right Out: -33.432+/-112.259 χ^2/NDF : 30.3/32

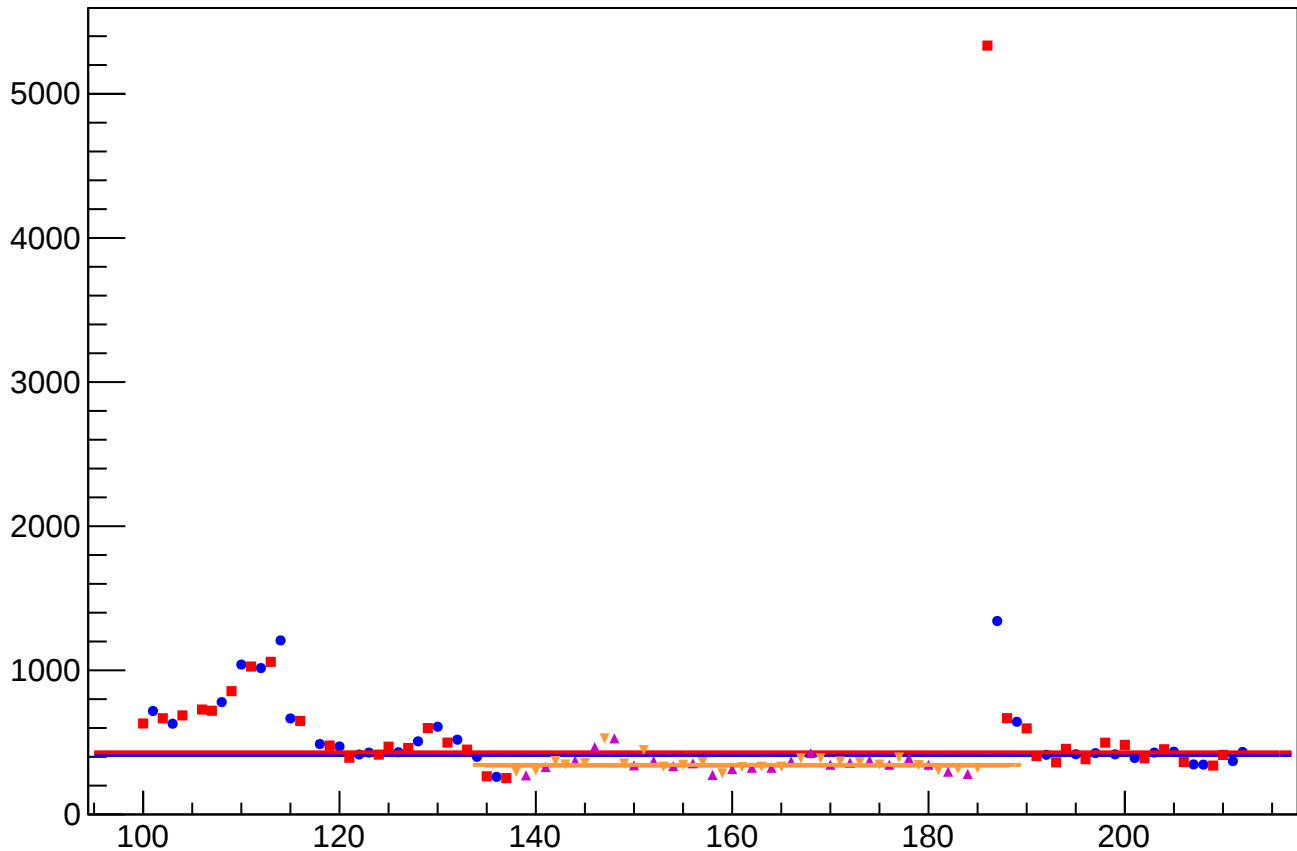
Left In: 58.934+/-82.584 χ^2/NDF : 38.5/22

+ sign -57.058+/-64.757 χ^2/NDF : 54.0/54

All: -16.403+/-46.402 χ^2/NDF : 124.1/110

- sign 26.499+/-66.523 χ^2/NDF : 69.3/55

asym_sam1_rms vs Slug



Right In: 412.928 $\pm$ 0.077 χ^2 /NDF: 2406501.6/29

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 430.913 $\pm$ 0.079 χ^2 /NDF: 3266964.9/32

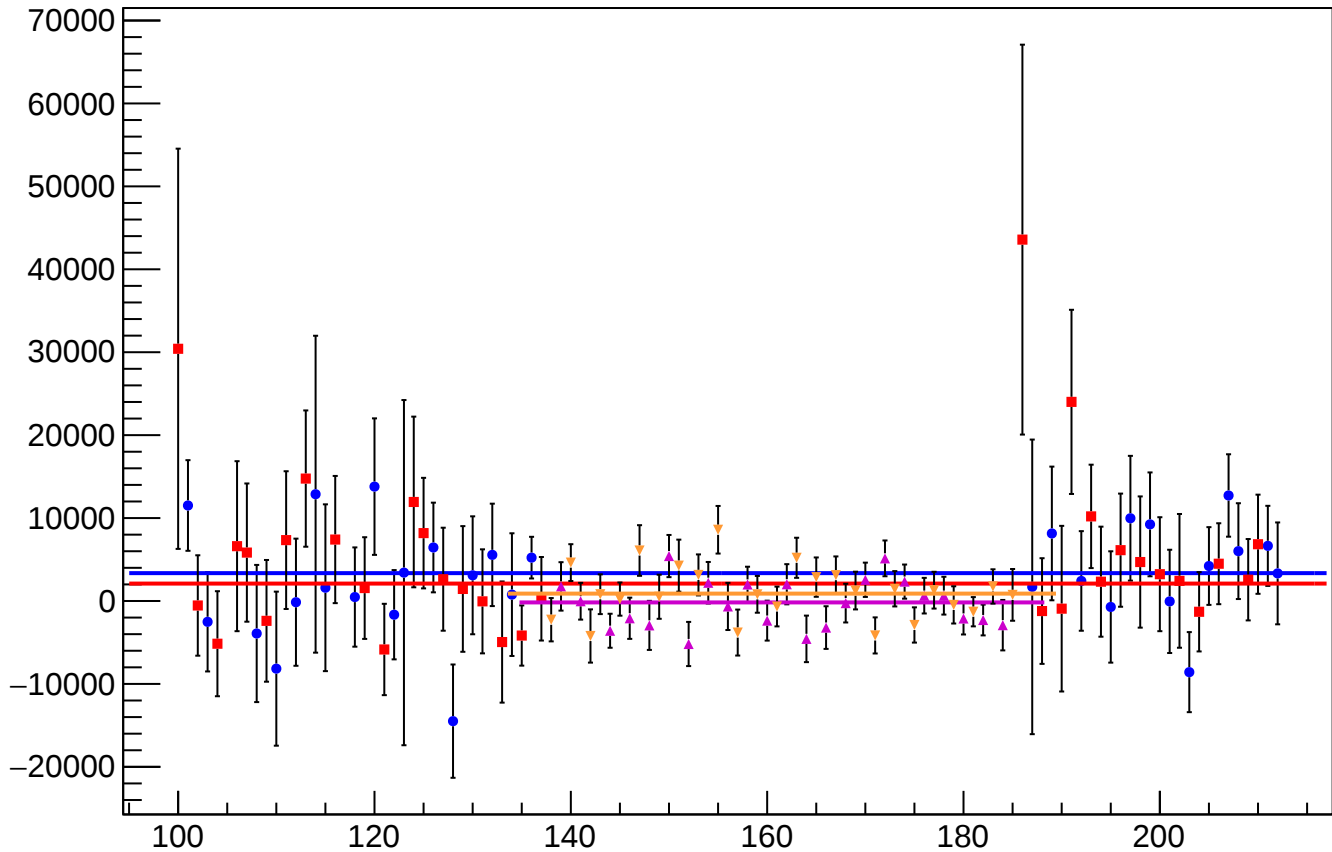
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 368.526 $\pm$ 0.046 χ^2 /NDF: 3469418.1/54

All: 370.456 $\pm$ 0.033 χ^2 /NDF: 8299480.4/110

- sign 372.493 $\pm$ 0.047 χ^2 /NDF: 4826411.1/55

asym_sam2_mean vs Slug



Right In: 3359.812 $\pm$ 1090.552 χ^2 /NDF: 29.7/29

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF:38.0/24

Right Out: 2100.227 $\pm$ 1147.600 χ^2 /NDF: 25.8/32

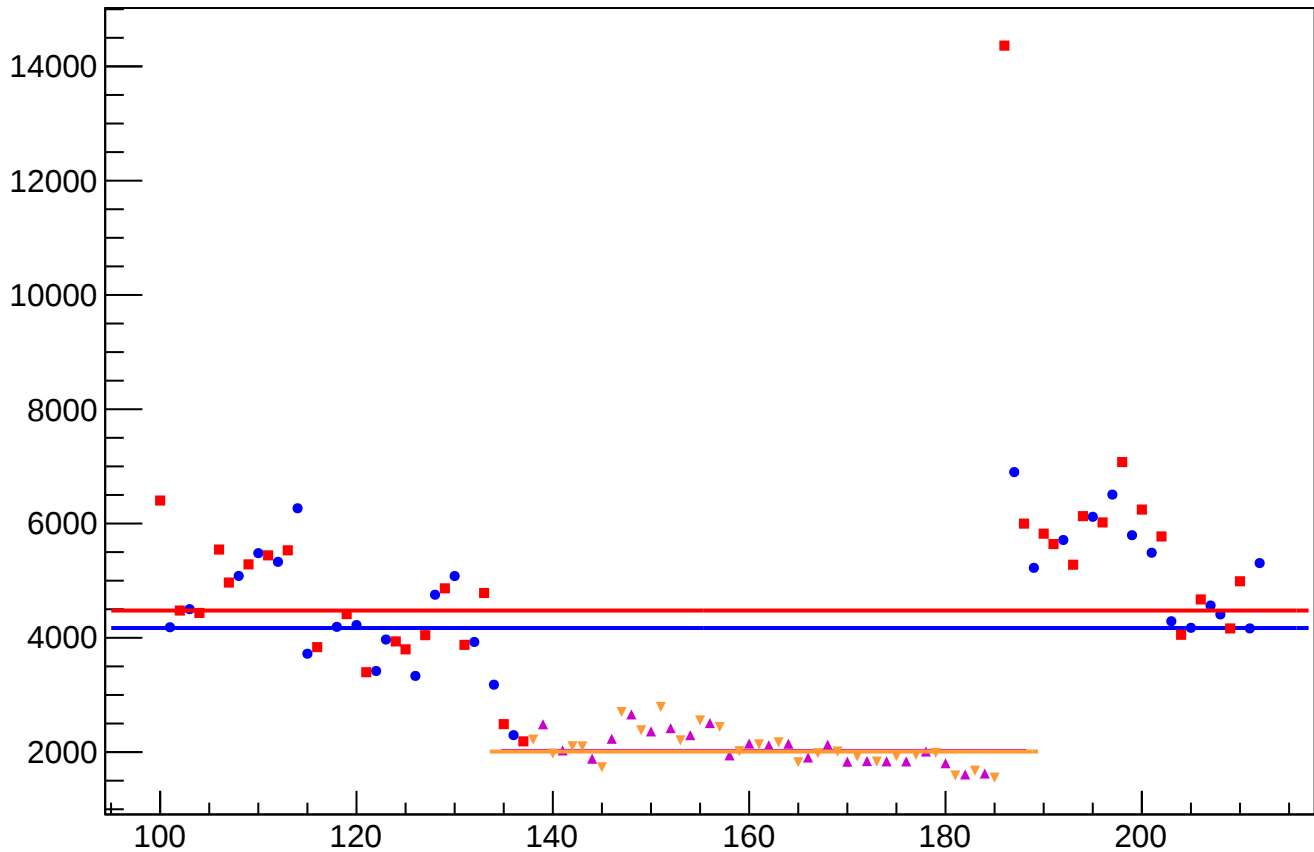
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF:33.2/22

+ sign 1281.749 $\pm$ 434.144 χ^2 /NDF: 72.0/54

All: 747.495 $\pm$ 312.152 χ^2 /NDF: 137.5/110

- sign 175.707 $\pm$ 449.136 χ^2 /NDF: 62.4/55

asym_sam2_rms vs Slug



Right In: 4171.374+/-0.771 χ^2/NDF : 2314944.1/29

Left Out: 2009.631+/-0.335 χ^2/NDF : 709977.6/24

Right Out: 4477.283+/-0.811 χ^2/NDF : 2519173.0/32

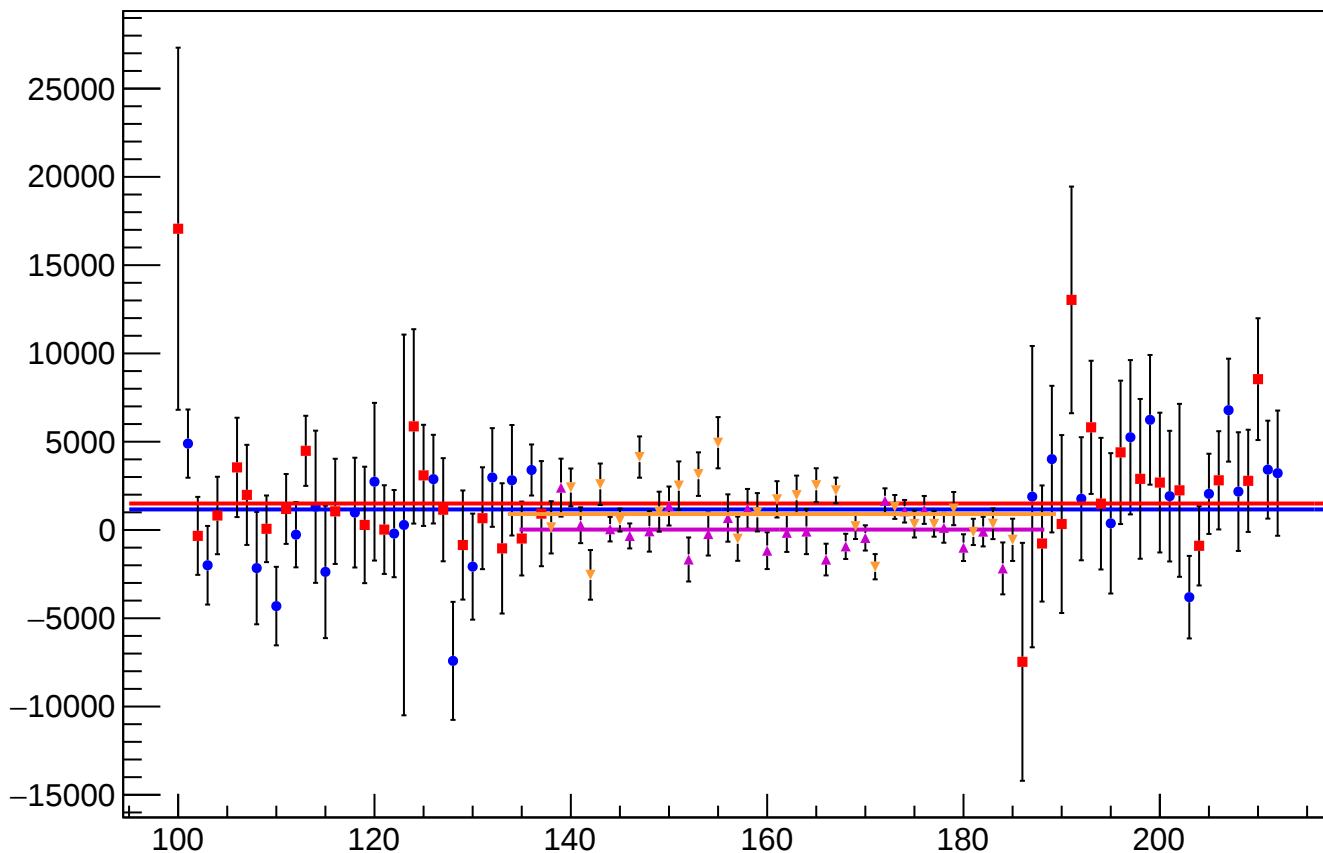
Left In: 2020.365+/-0.345 χ^2/NDF : 573483.0/22

+ sign 2352.225+/-0.307 χ^2/NDF : 9638094.0/54

All: 2373.704+/-0.221 χ^2/NDF : 20503826.1/1

- sign 2396.692+/-0.318 χ^2/NDF : 10855597.1/55

asym_sam3_mean vs Slug



Right In: 1163.611 $\pm$ 513.680 χ^2/NDF : 39.0/29

Left Out: 902.091 $\pm$ 185.850 χ^2/NDF : 63.5/24

Right Out: 1498.826 $\pm$ 512.716 χ^2/NDF : 23.3/32

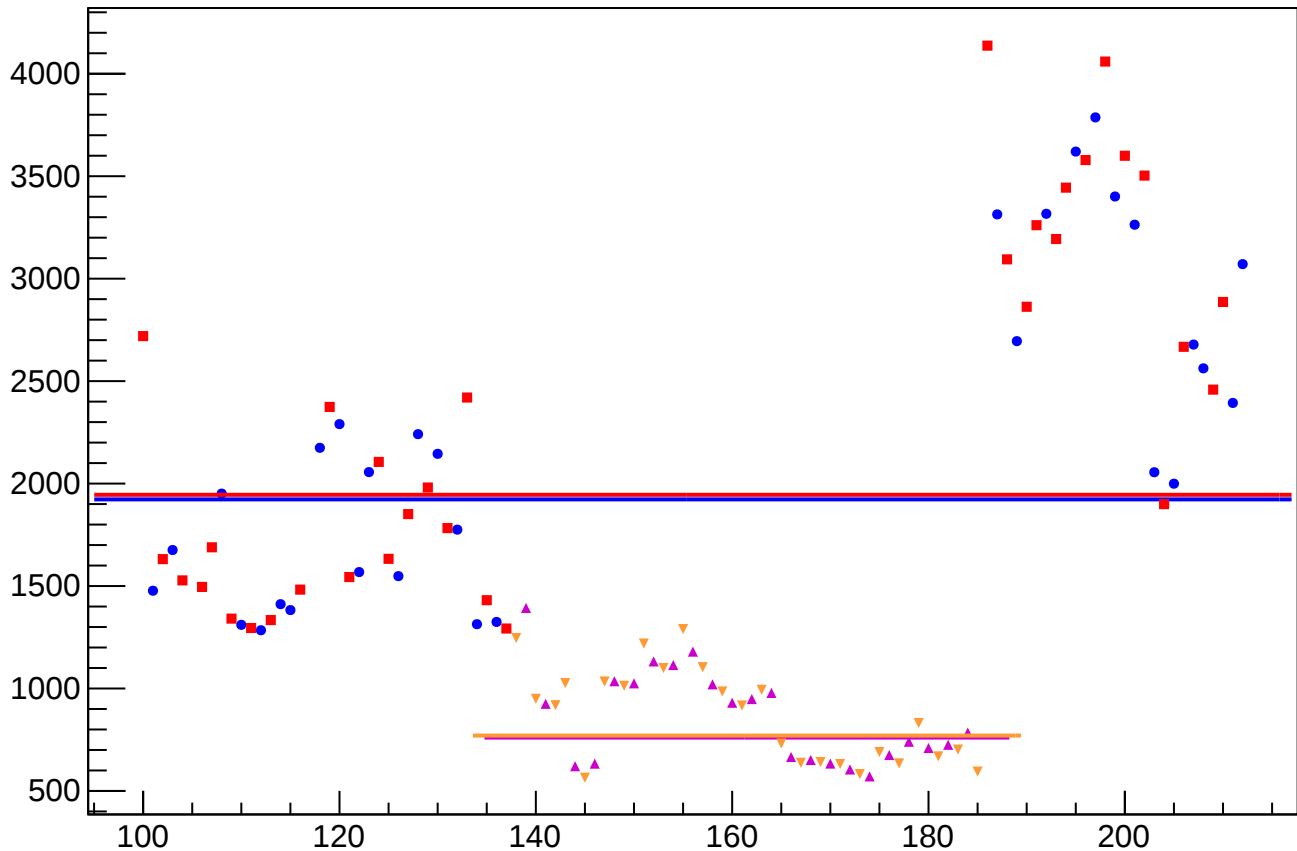
Left In: 23.529 $\pm$ 188.137 χ^2/NDF : 28.2/22

+ sign 932.362 $\pm$ 174.763 χ^2/NDF : 102.7/54

All: 569.361 $\pm$ 124.228 χ^2/NDF : 170.3/110

- sign 198.600 $\pm$ 176.621 χ^2/NDF : 58.8/55

asym_sam3_rms vs Slug



Right In: 1922.843 $\pm$ 0.363 χ^2 /NDF: 3395698.1/29

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF:2287655.1/24

+ sign 903.723 $\pm$ 0.124 χ^2 /NDF: 14586003.1/54

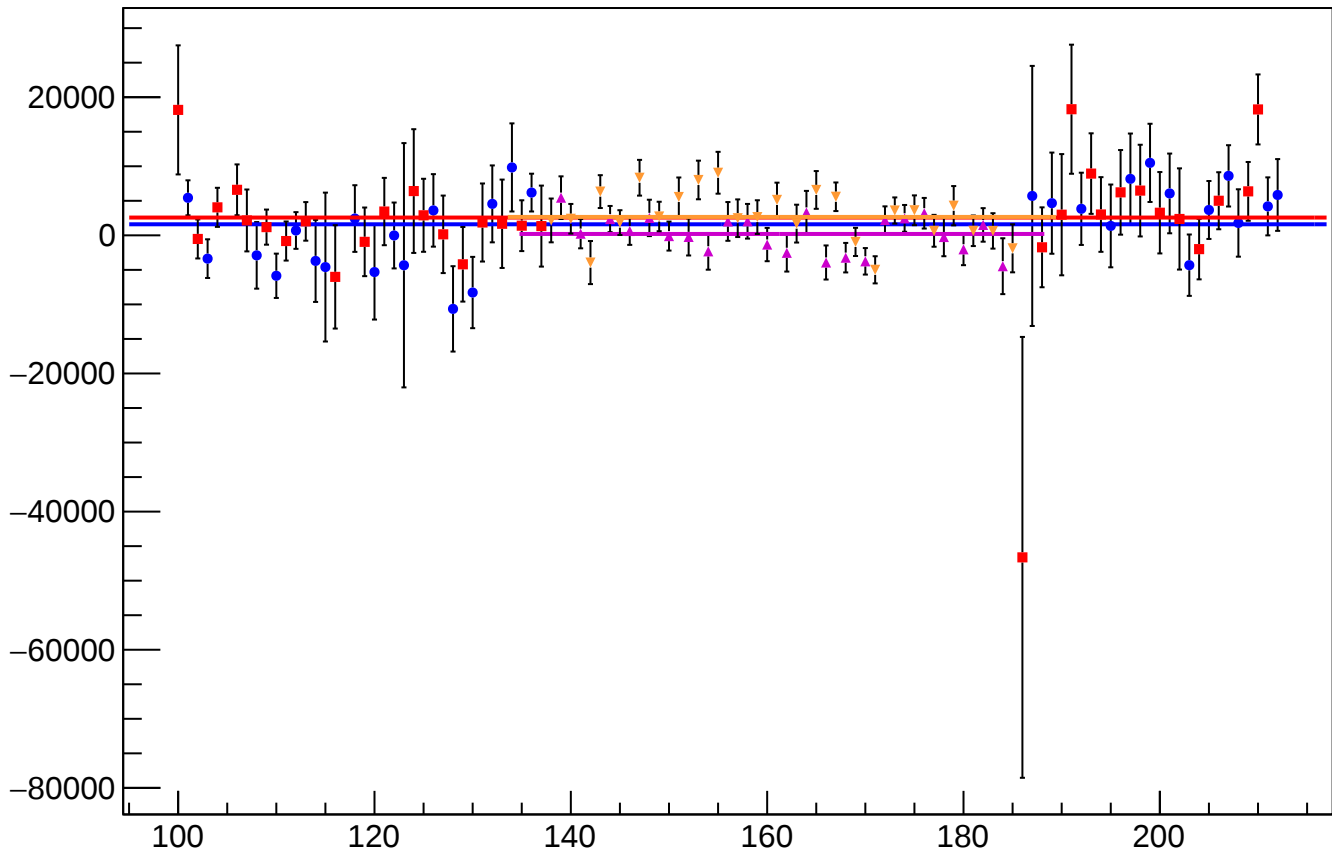
Right Out: 1945.274 $\pm$ 0.363 χ^2 /NDF: 4027277.6/32

All: 902.358 $\pm$ 0.088 χ^2 /NDF: 30014754.5/1

Left In: 760.352 $\pm$ 0.133 χ^2 /NDF:1986749.8/22

- sign 900.964 $\pm$ 0.125 χ^2 /NDF: 15428504.8/55

asym_sam4_mean vs Slug



Right In: 1600.316 ± 825.288 χ^2/NDF : 36.8/29

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 2574.530 ± 793.677 χ^2/NDF : 30.7/32

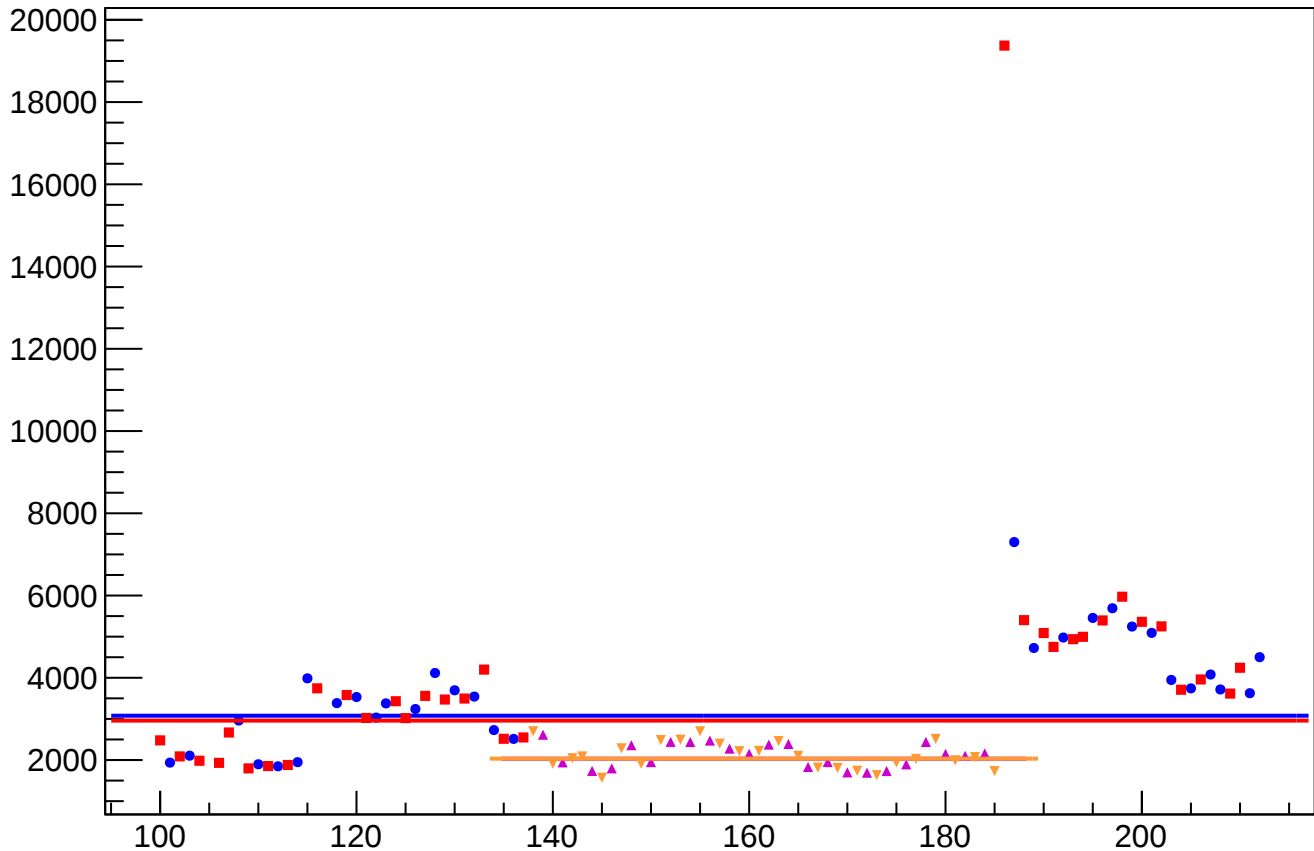
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2396.509 ± 414.777 χ^2/NDF : 87.2/54

All: 1634.049 ± 294.502 χ^2/NDF : 157.0/110

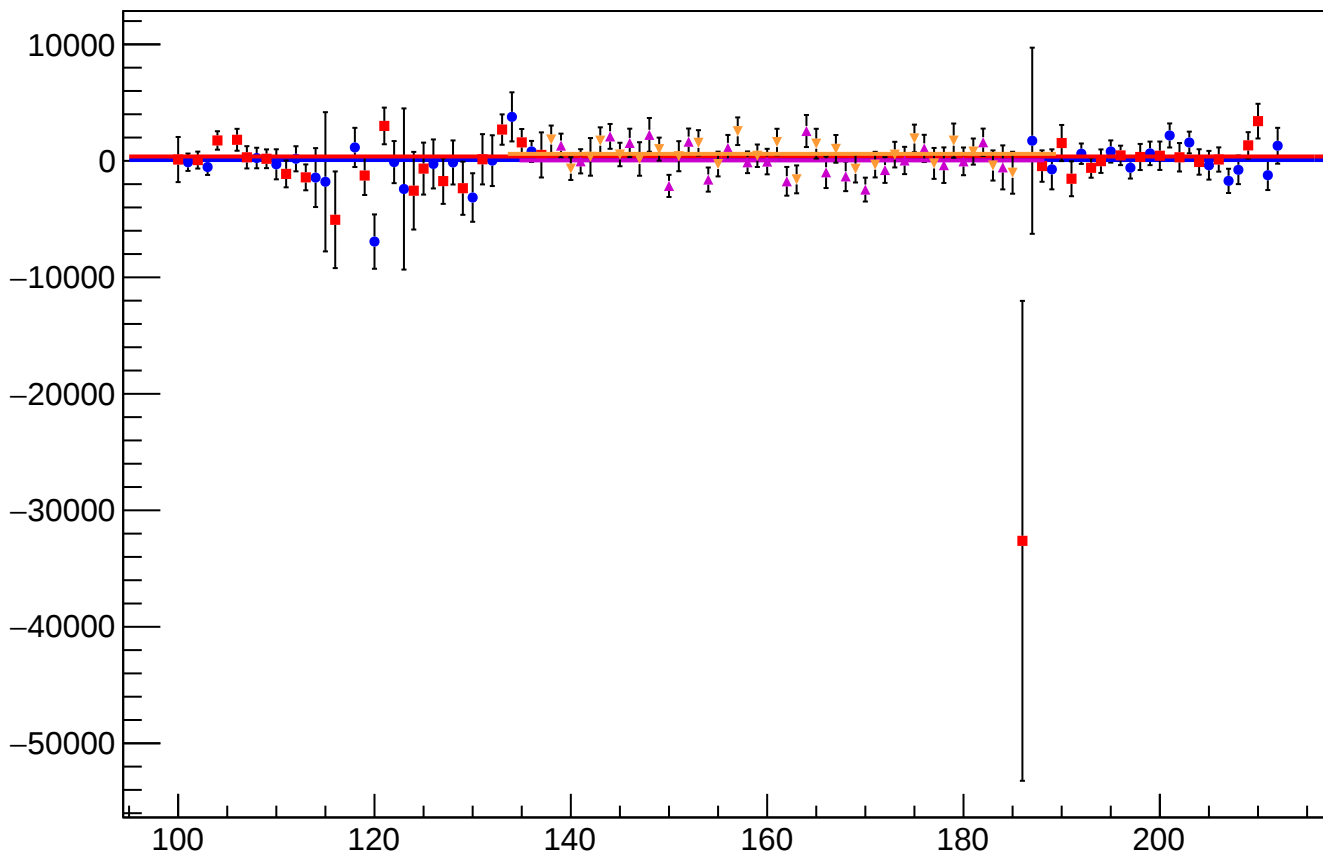
- sign 858.875 ± 418.221 χ^2/NDF : 62.9/55

asym_sam4_rms vs Slug



Right In: 3077.370+/-0.584 χ^2/NDF : 3725298.2/29 + sign 2297.051+/-0.293 χ^2/NDF : 6941603.5/54
 Left Out: 2033.337+/-0.339 χ^2/NDF : 824062.2/24 All: 2293.494+/-0.208 χ^2/NDF : 14615269.0/1
 Right Out: 2959.026+/-0.561 χ^2/NDF : 5052491.2/32 - sign 2289.878+/-0.296 χ^2/NDF : 7673368.9/55
 Left In: 2032.655+/-0.348 χ^2/NDF : 652763.7/22

asym_sam5_mean vs Slug



Right In: 70.831 ± 221.241 χ^2/NDF : 31.2/29

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 375.767 ± 209.371 χ^2/NDF : 34.9/32

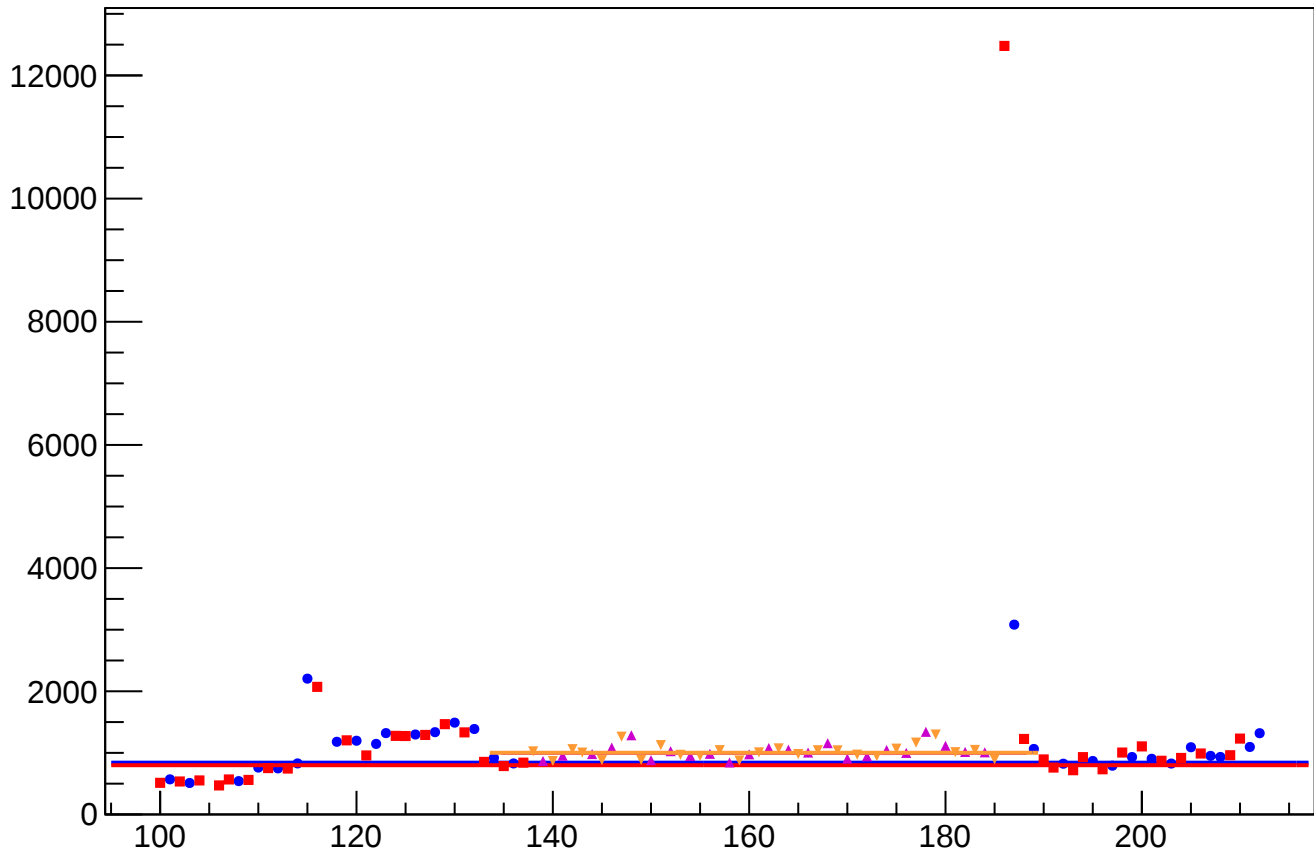
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 319.509 ± 161.075 χ^2/NDF : 52.4/54

All: 274.855 ± 112.795 χ^2/NDF : 125.0/110

- sign 231.888 ± 158.001 χ^2/NDF : 72.4/55

asym_sam5_rms vs Slug



Right In: 840.949 $\pm$ 0.156 χ^2 /NDF: 2454996.7/29

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 799.719 $\pm$ 0.148 χ^2 /NDF: 3341989.7/32

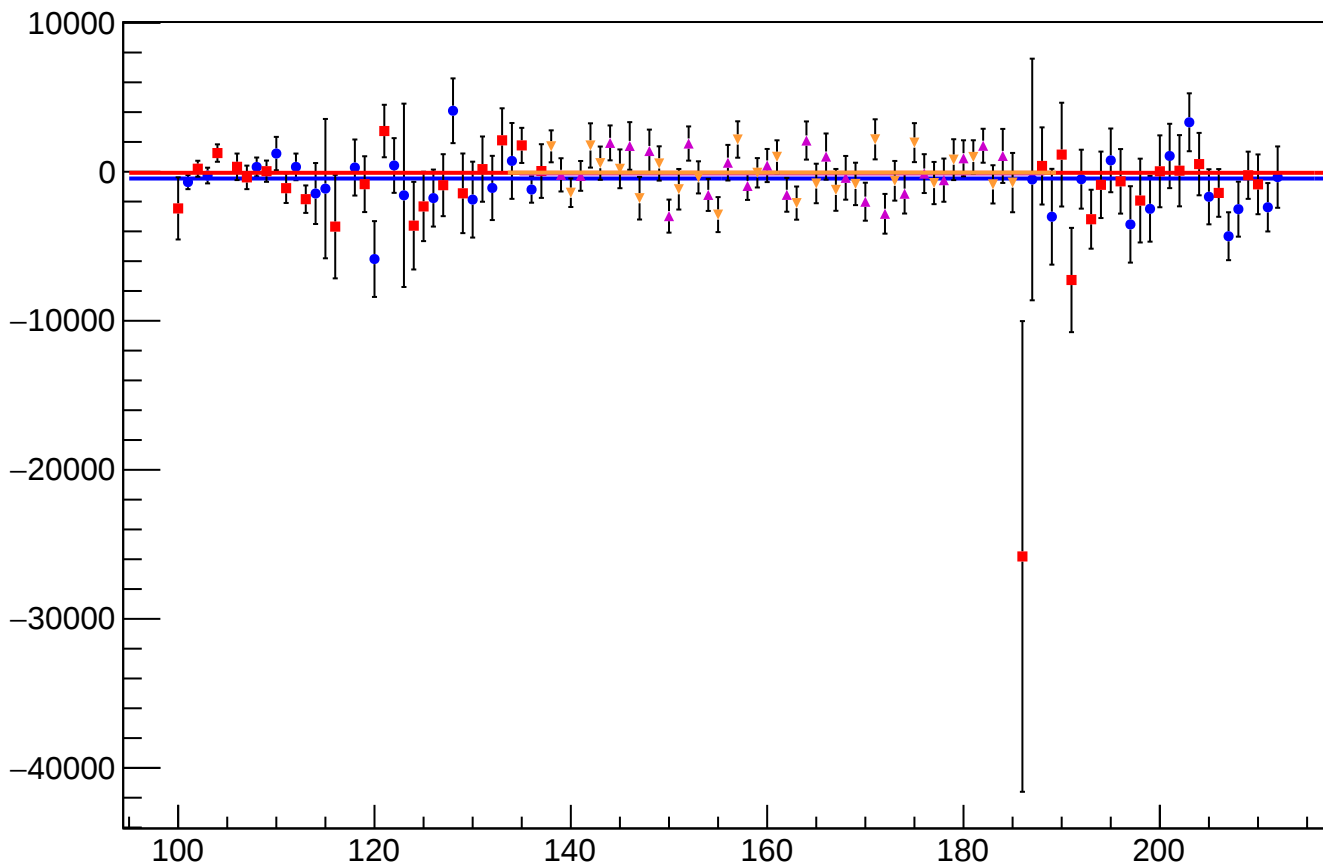
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 916.385 $\pm$ 0.114 χ^2 /NDF: 3320074.9/54

All: 900.442 $\pm$ 0.080 χ^2 /NDF: 7877773.4/110

- sign 885.102 $\pm$ 0.112 χ^2 /NDF: 4519254.2/55

asym_sam6_mean vs Slug



Right In: -454.476 ± 229.865 χ^2/NDF : 32.7/29

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -70.746 ± 228.083 χ^2/NDF : 33.0/32

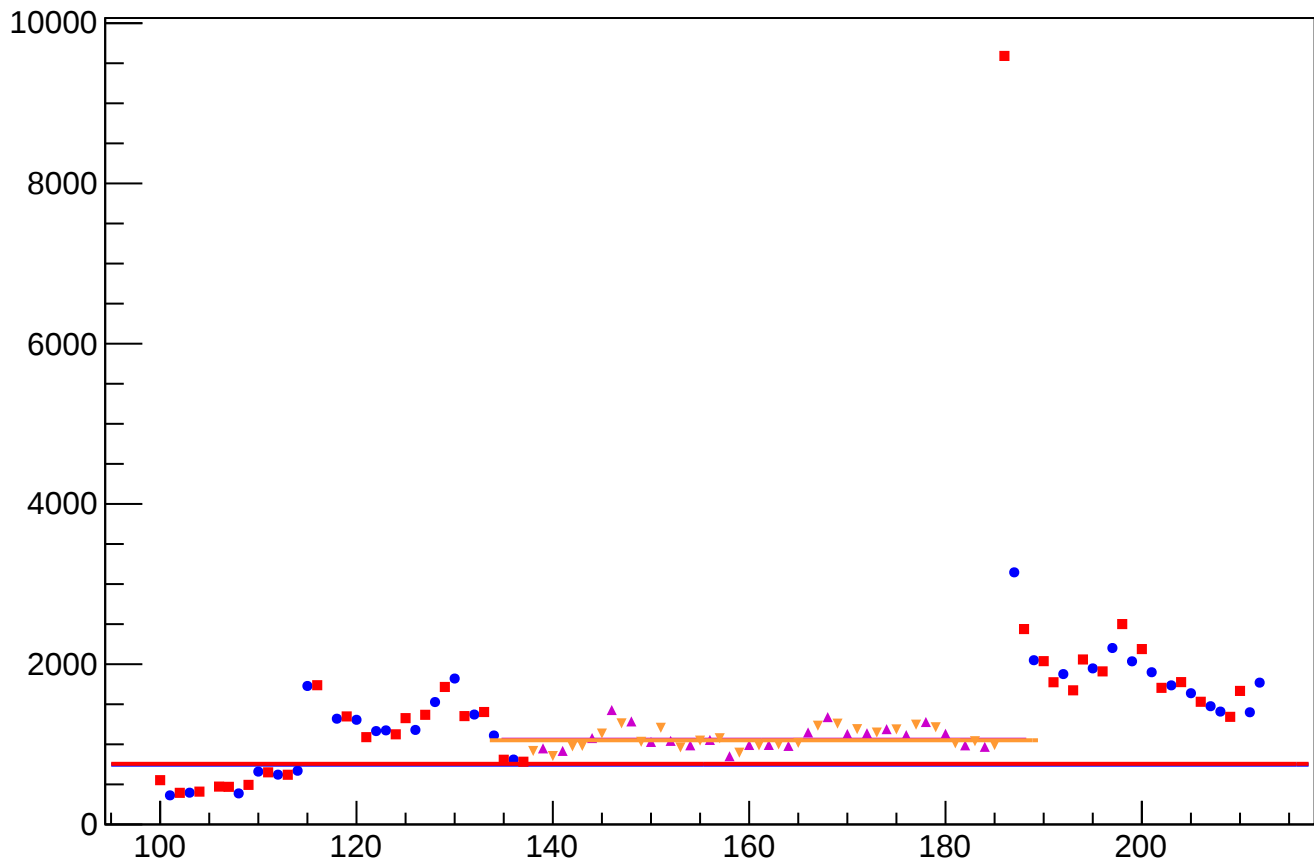
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -270.919 ± 168.114 χ^2/NDF : 65.0/54

All: -181.151 ± 119.578 χ^2/NDF : 133.5/110

- sign -89.225 ± 170.123 χ^2/NDF : 67.9/55

asym_sam6_rms vs Slug



Right In: 746.063+/-0.163 χ^2/NDF : 10464534.1/29

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 756.808+/-0.161 χ^2/NDF : 10802054.4/32

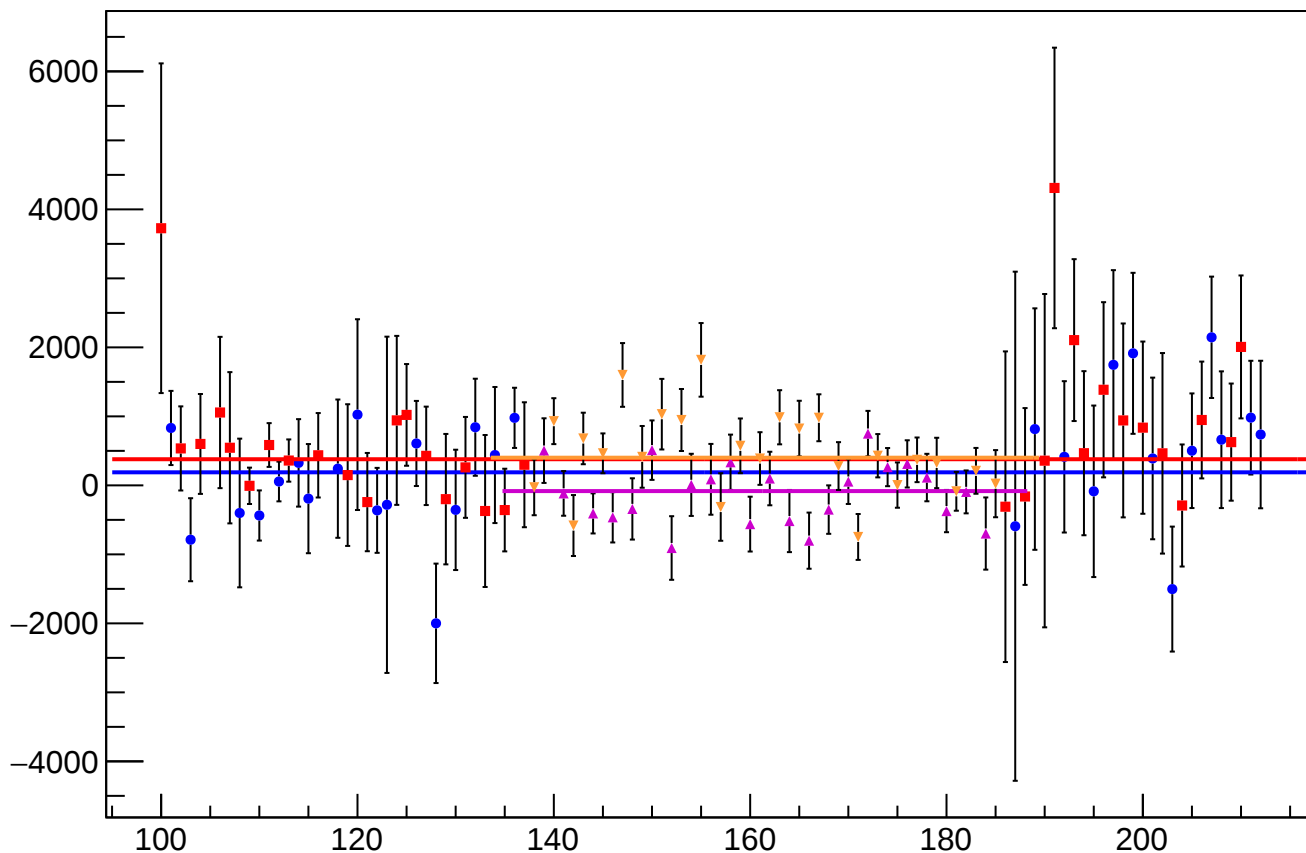
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 887.731+/-0.119 χ^2/NDF : 12580978.7/54

All: 889.088+/-0.085 χ^2/NDF : 25460200.9/119

- sign 890.478+/-0.120 χ^2/NDF : 12878958.3/55

asym_sam7_mean vs Slug



Right In: 189.123 ± 129.187 χ^2/NDF : 34.2/29

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 378.799 ± 120.184 χ^2/NDF : 20.0/32

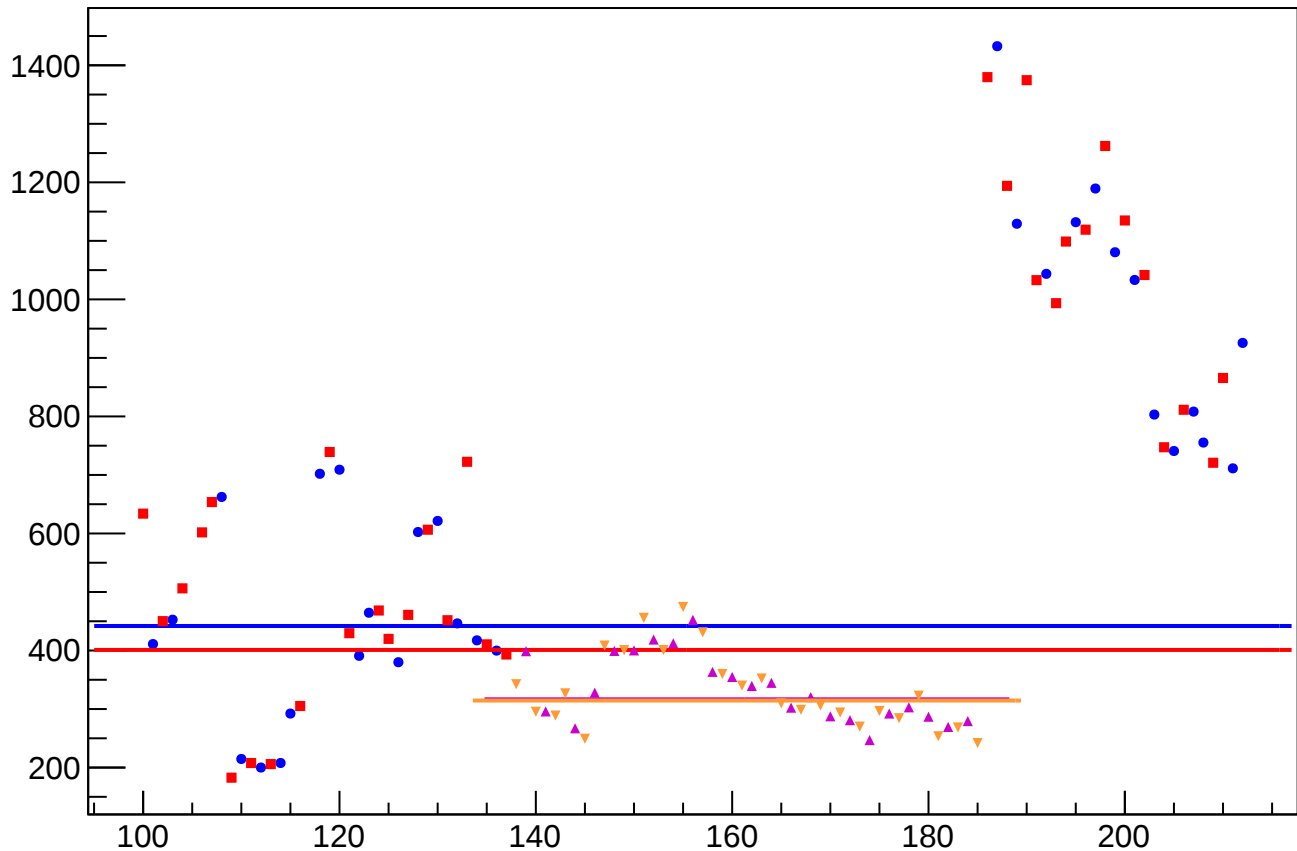
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 348.064 ± 64.568 χ^2/NDF : 88.3/54

All: 200.130 ± 45.730 χ^2/NDF : 158.3/110

- sign 51.233 ± 64.777 χ^2/NDF : 59.4/55

asym_sam7_rms vs Slug



Right In: 441.908 $\pm$ 0.091 χ^2 /NDF: 8166618.4/29

Left Out: 314.538 $\pm$ 0.053 χ^2 /NDF:1112445.6/24

Right Out: 400.994 $\pm$ 0.085 χ^2 /NDF: 10537027.8/32

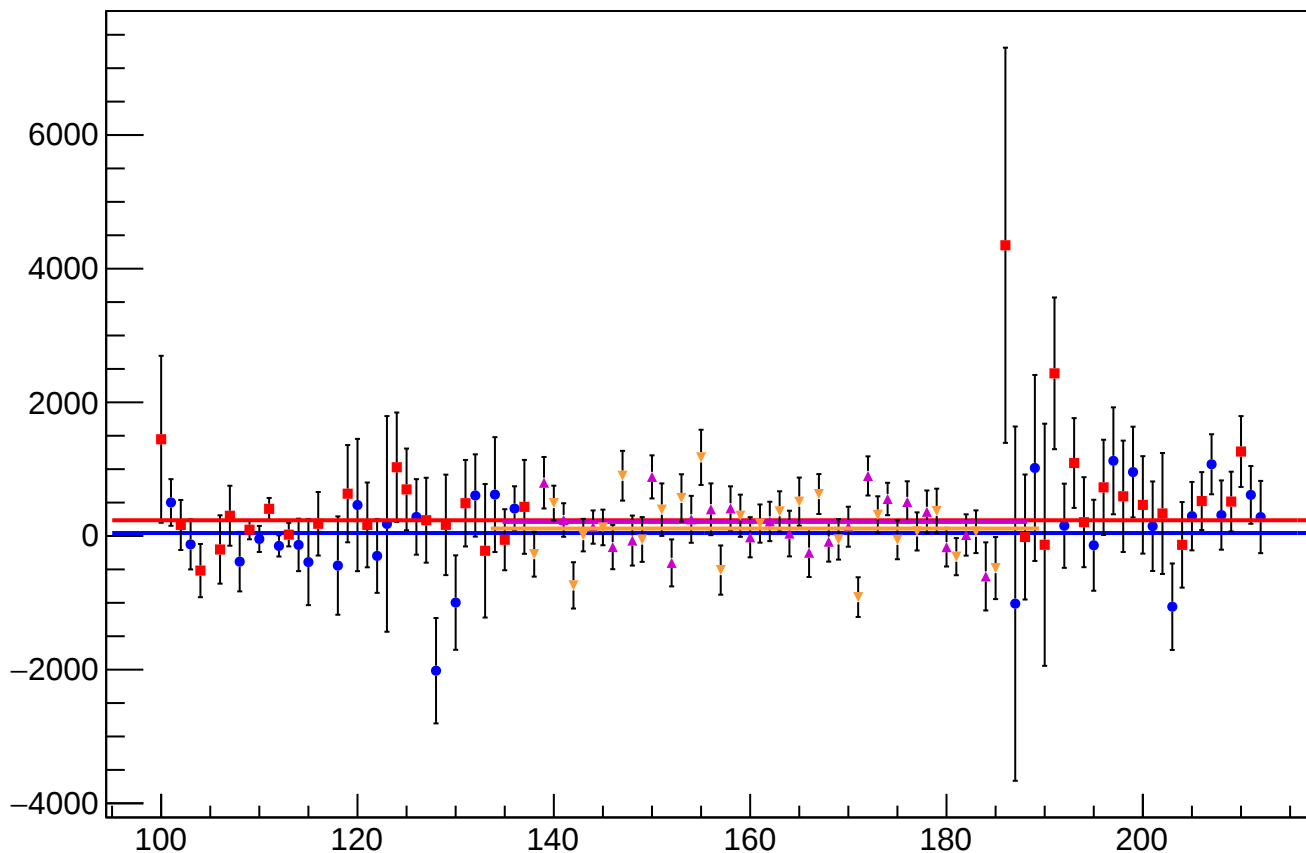
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF:920874.0/22

+ sign 346.355 $\pm$ 0.046 χ^2 /NDF: 10737541.5/54

All: 343.761 $\pm$ 0.032 χ^2 /NDF: 22900847.3/11

- sign 341.150 $\pm$ 0.046 χ^2 /NDF: 12156828.4/55

asym_sam8_mean vs Slug



Right In: 44.427 $\pm$ 79.927 χ^2 /NDF: 32.9/29

Left Out: 112.242 $\pm$ 62.643 χ^2 /NDF: 49.1/24

Right Out: 235.572 $\pm$ 70.992 χ^2 /NDF: 24.7/32

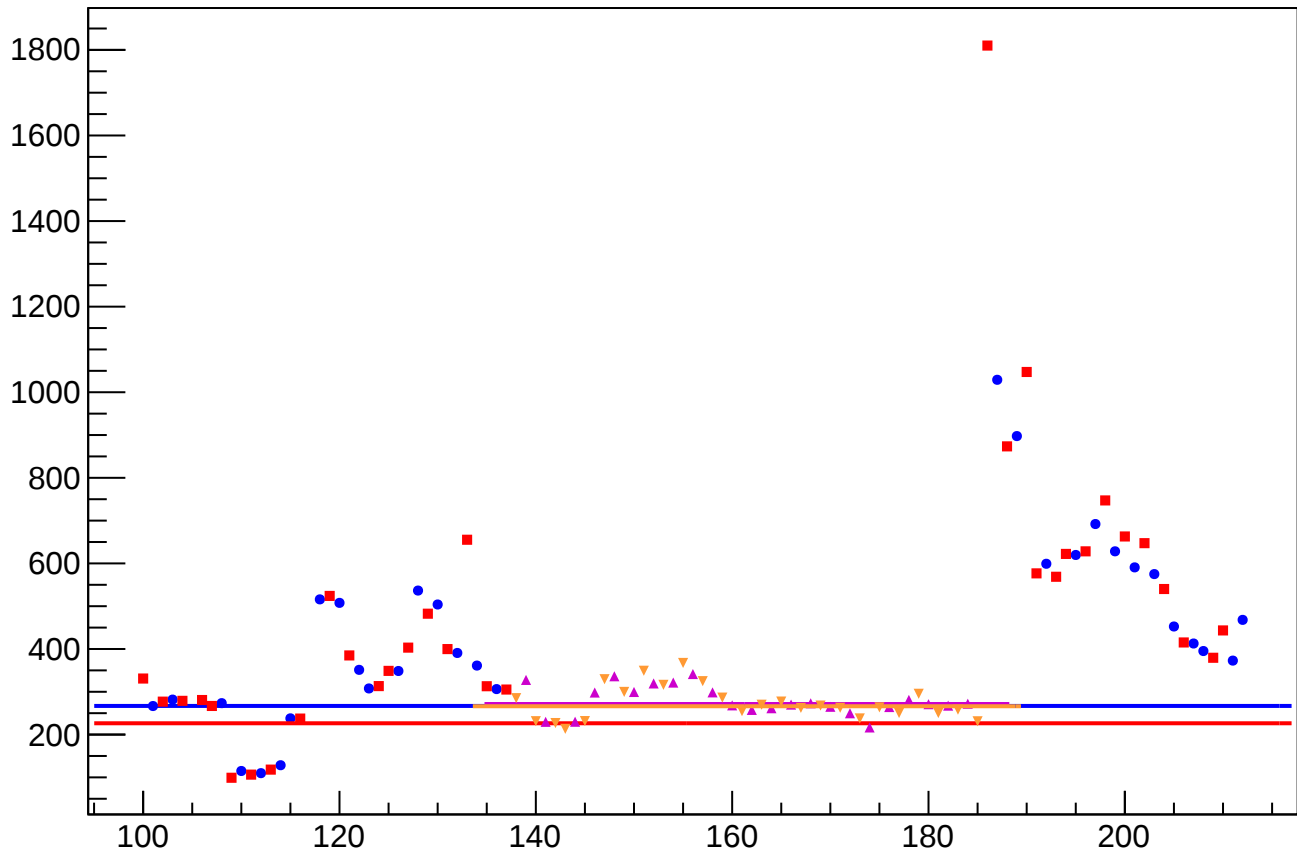
Left In: 210.453 $\pm$ 65.510 χ^2 /NDF: 29.2/22

+ sign 86.436 $\pm$ 49.304 χ^2 /NDF: 82.5/54

All: 155.834 $\pm$ 34.446 χ^2 /NDF: 140.2/110

- sign 222.005 $\pm$ 48.144 χ^2 /NDF: 53.9/55

asym_sam8_rms vs Slug



Right In: 266.937 $\pm$ 0.057 χ^2 /NDF: 9177269.5/29

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 226.420 $\pm$ 0.050 χ^2 /NDF: 12440010.7/32

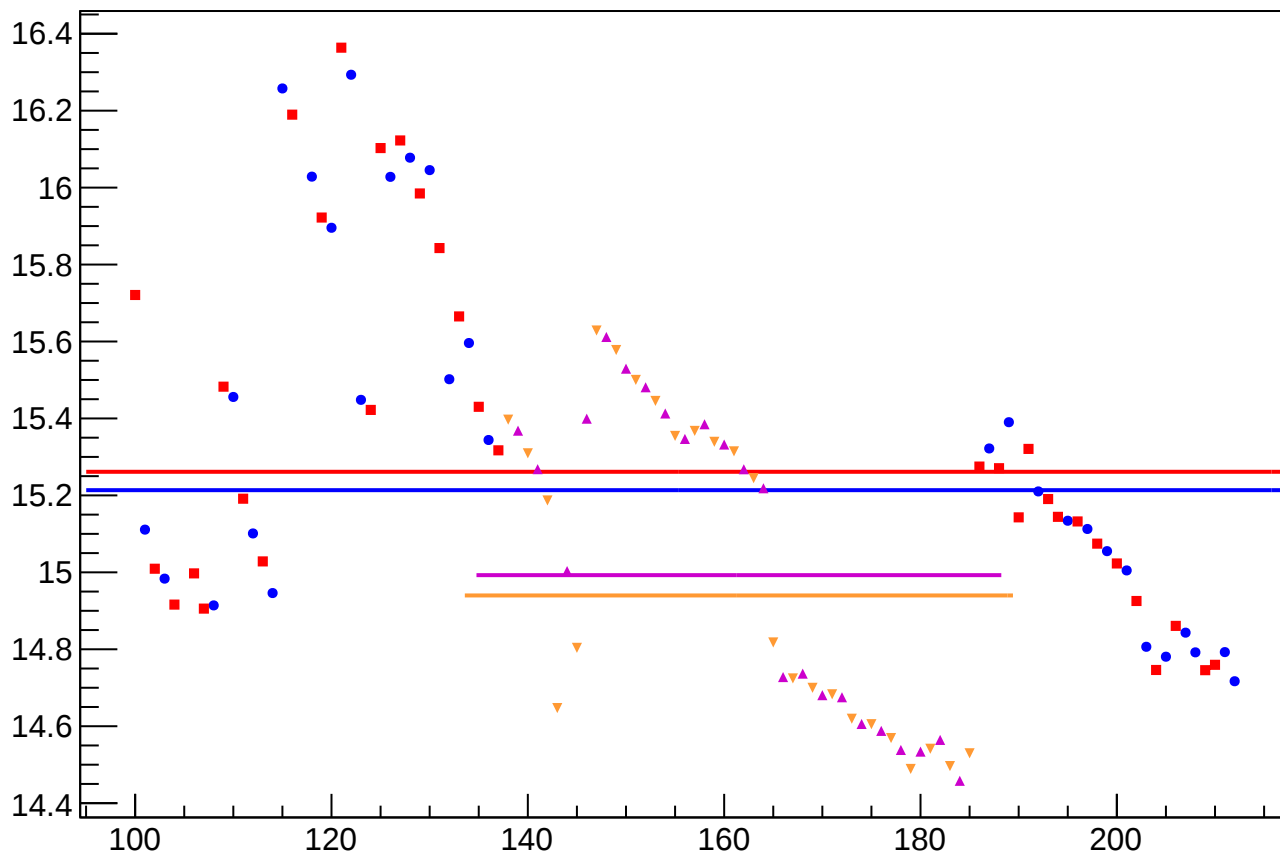
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 266.485 $\pm$ 0.035 χ^2 /NDF: 9827002.8/54

All: 258.416 $\pm$ 0.024 χ^2 /NDF: 23327447.3/13

- sign 250.722 $\pm$ 0.034 χ^2 /NDF: 13395795.1/55

yield_sam1_mean vs Slug



Right In: 15.214 $\pm$ 0.000 χ^2/NDF : 17162611556.6/29

Left Out: 14.940 $\pm$ 0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.261 $\pm$ 0.000 χ^2/NDF : 15710953514.7/32

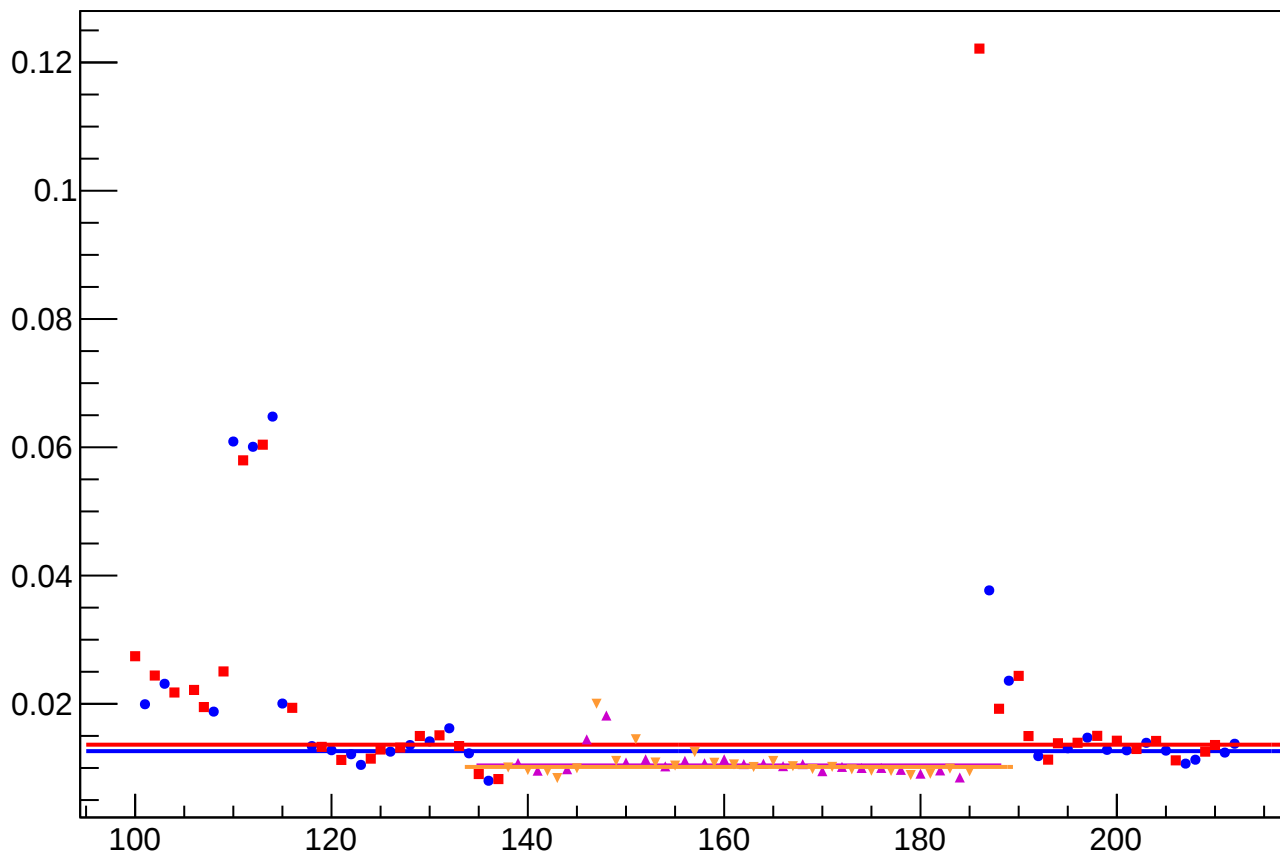
Left In: 14.993 $\pm$ 0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.033 $\pm$ 0.000 χ^2/NDF : 45644656308.3/54

All: 15.056 $\pm$ 0.000 χ^2/NDF : 87310397723.3

- sign 15.082 $\pm$ 0.000 χ^2/NDF : 41383232197.0/55

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2582082.8/29

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 3098415.3/32

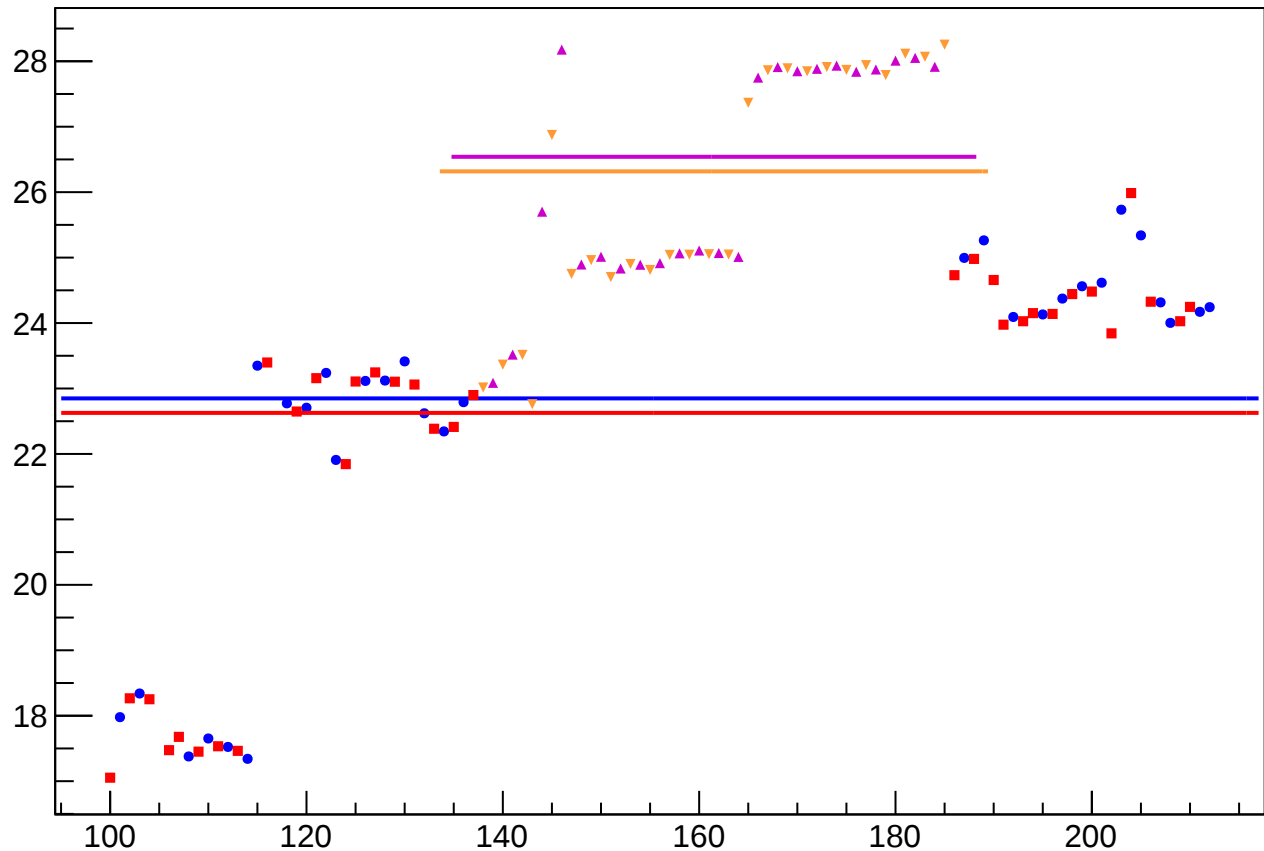
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3992833.3/54

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8746409.3/110

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4701130.7/55

yield_sam2_mean vs Slug



Right In: 22.849+/-0.000 χ^2/NDF : 1364464586.4/29

Left Out: 26.318+/-0.000 χ^2/NDF : 4715403741.0/24

Right Out: 22.627+/-0.000 χ^2/NDF : 1544173074.8/32

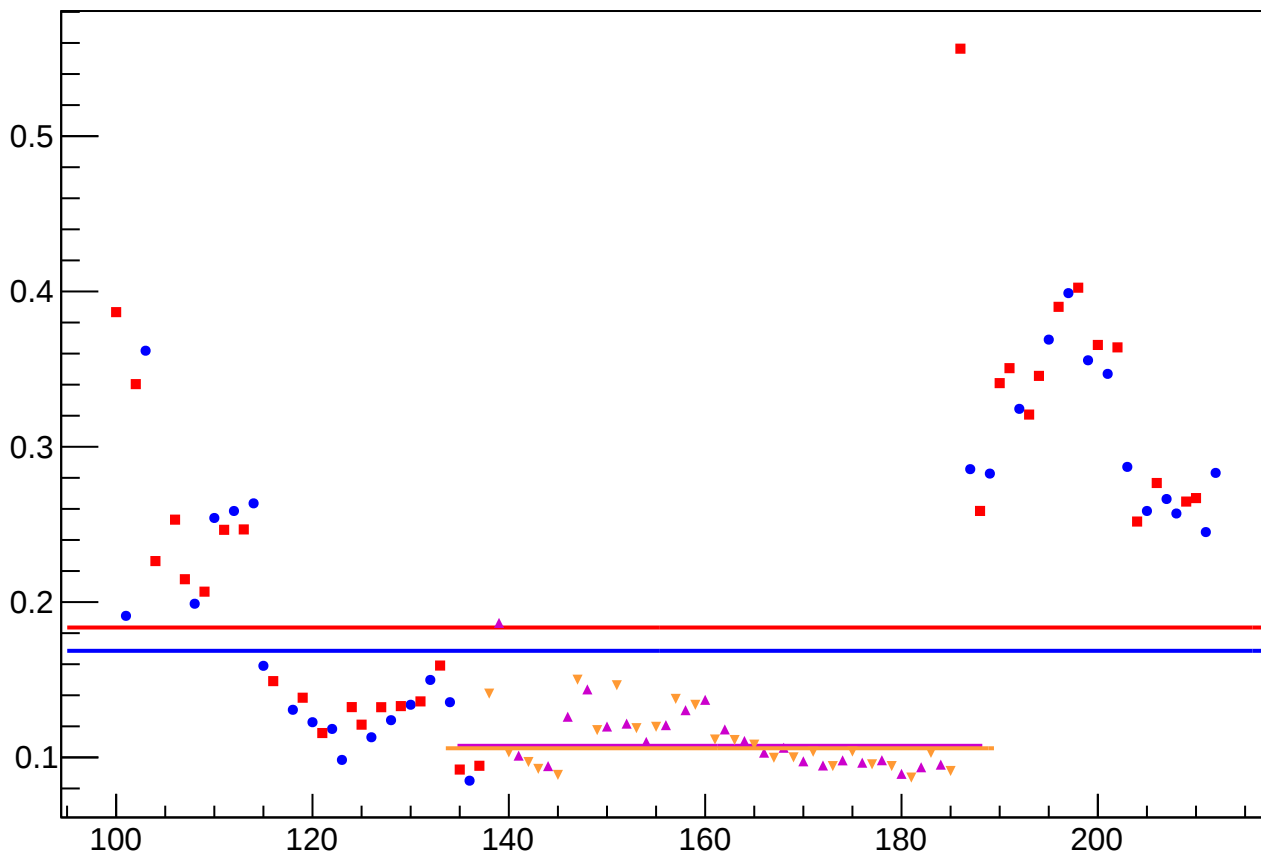
Left In: 26.540+/-0.000 χ^2/NDF : 3309392772.6/22

+ sign 25.534+/-0.000 χ^2/NDF : 9914112276.2/54

All: 25.600+/-0.000 χ^2/NDF : 19180391367.1

- sign 25.673+/-0.000 χ^2/NDF : 9249434046.0/55

yield_sam2_rms vs Slug



Right In: 0.169+/-0.000 χ^2/NDF : 6158030.8/29

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.184+/-0.000 χ^2/NDF : 5902307.9/32

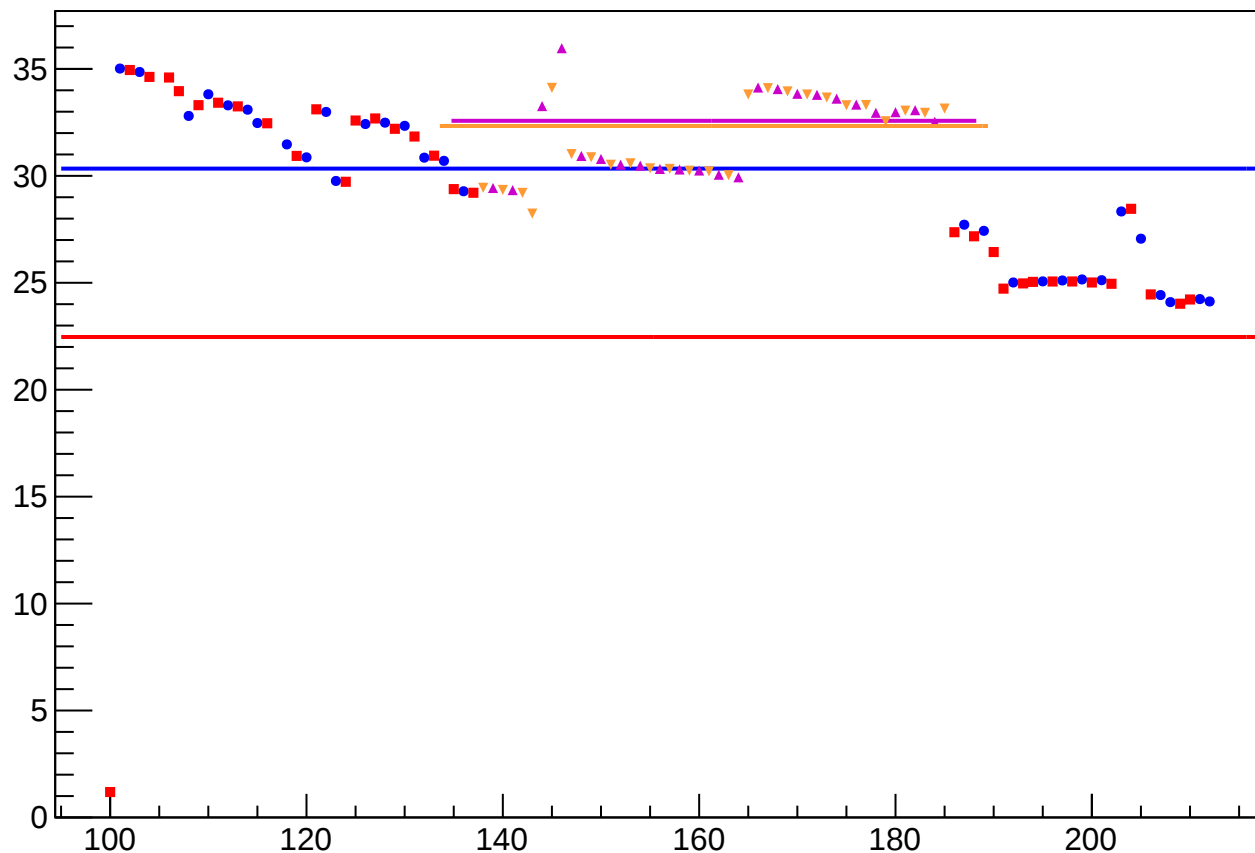
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.120+/-0.000 χ^2/NDF : 9399555.0/54

All: 0.122+/-0.000 χ^2/NDF : 19436202.6/110

- sign 0.124+/-0.000 χ^2/NDF : 10004604.3/55

yield_sam3_mean vs Slug



Right In: 30.339+/-0.000 χ^2/NDF : 9345344575.8/29

Left Out: 32.331+/-0.000 χ^2/NDF : 12850475096.2/24

Right Out: 22.466+/-0.000 χ^2/NDF : 232226840423.5/32

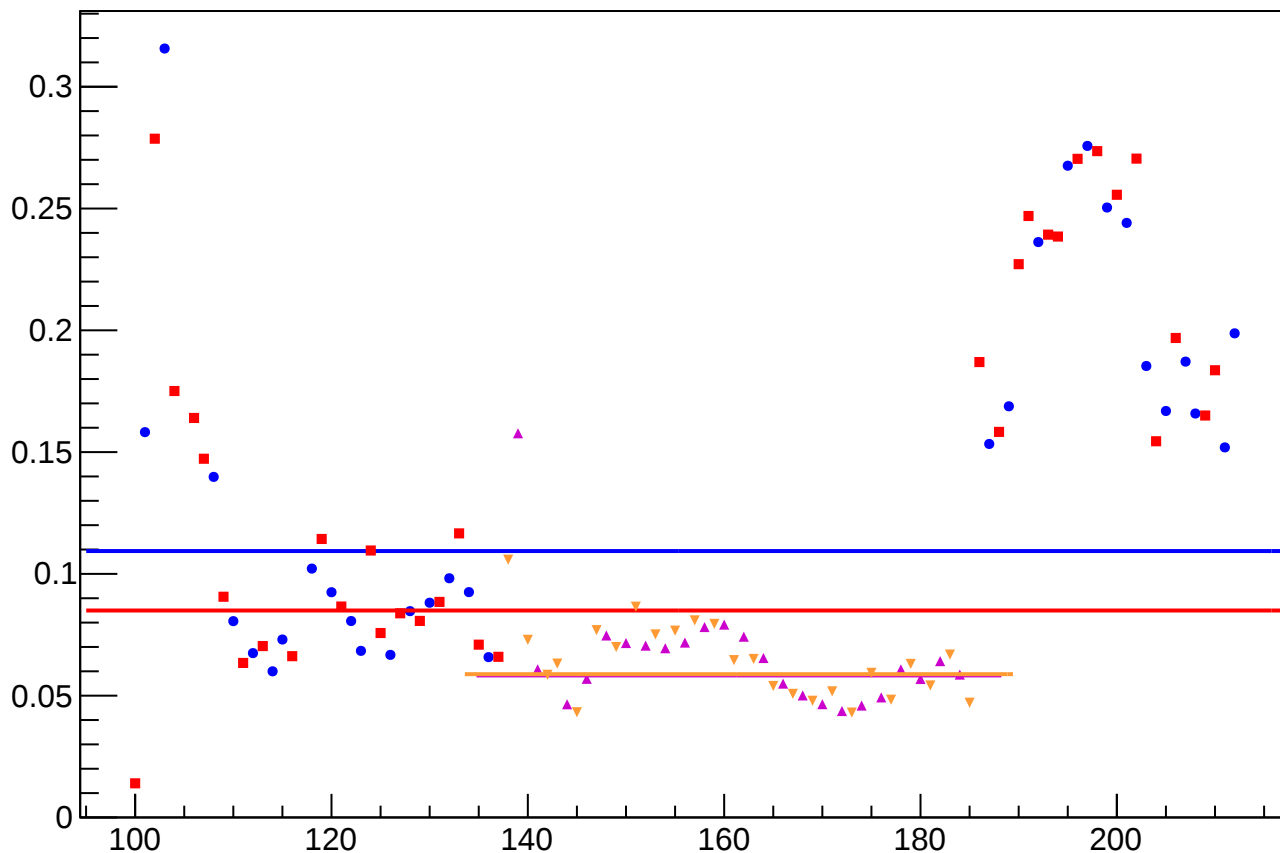
Left In: 32.574+/-0.000 χ^2/NDF : 11797772603.7/22

+ sign 31.958+/-0.000 χ^2/NDF : 25240897702.8/54

All: 31.008+/-0.000 χ^2/NDF : 376740714312.

- sign 30.087+/-0.000 χ^2/NDF : 342546344106.8/55

yield_sam3_rms vs Slug



Right In: 0.109 $\pm$ 0.000 χ^2 /NDF: 6208533.9/29

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.085 $\pm$ 0.000 χ^2 /NDF: 11356553.0/32

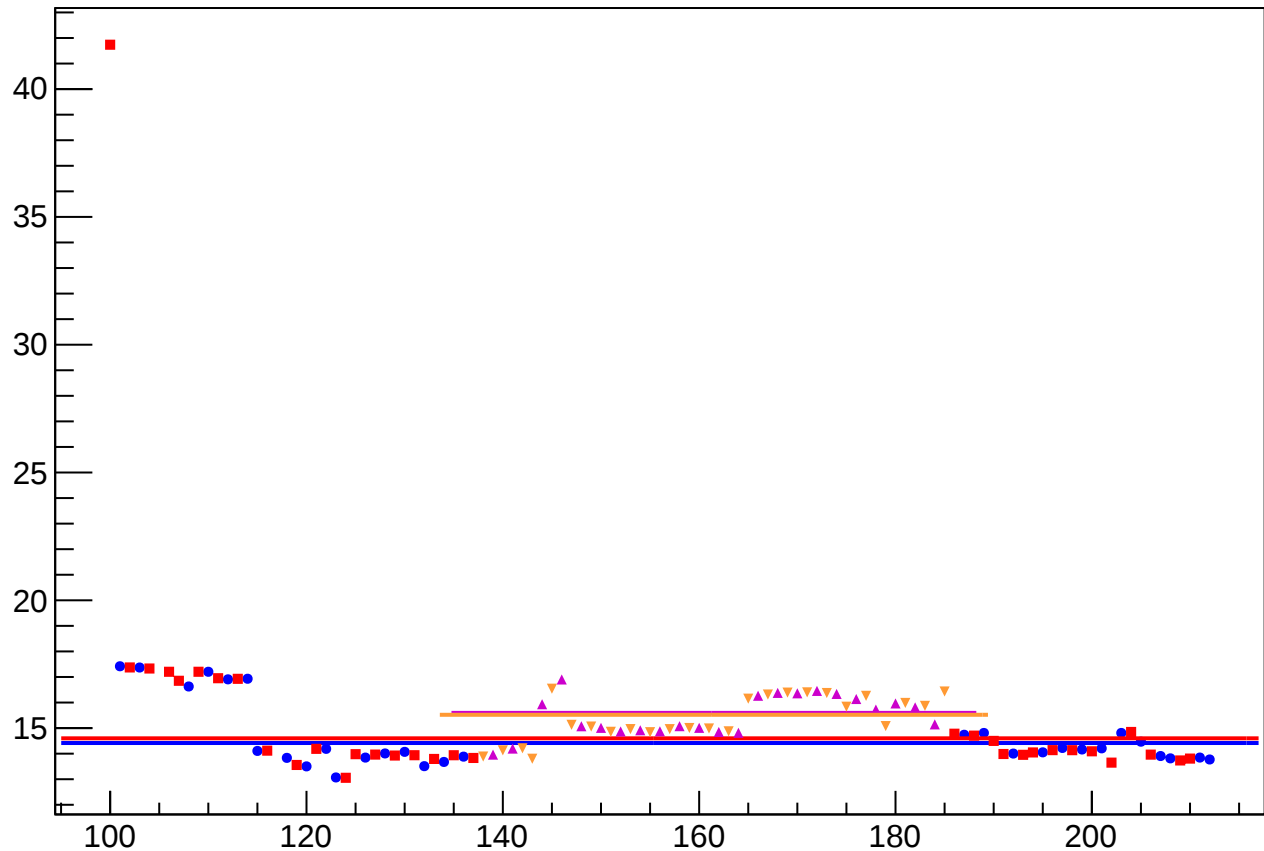
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.068 $\pm$ 0.000 χ^2 /NDF: 11531711.8/54

All: 0.067 $\pm$ 0.000 χ^2 /NDF: 25843513.8/110

- sign 0.065 $\pm$ 0.000 χ^2 /NDF: 14251729.4/55

yield_sam4_mean vs Slug



Right In: 14.417+/-0.000 χ^2/NDF : 1558918185.6/29

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.600+/-0.000 χ^2/NDF : 2027155101.6/32

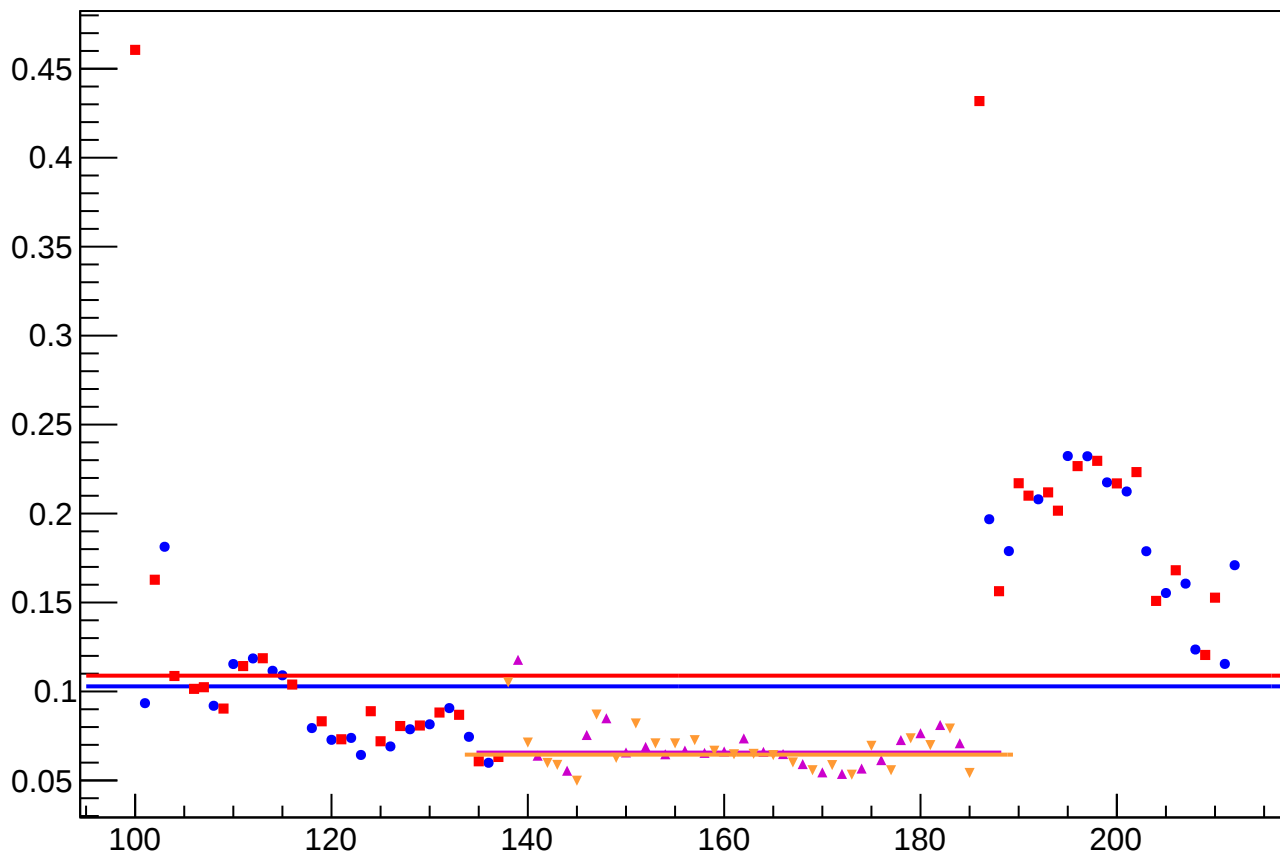
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.260+/-0.000 χ^2/NDF : 5232607192.7/54

All: 15.306+/-0.000 χ^2/NDF : 10005604135.6

- sign 15.357+/-0.000 χ^2/NDF : 4750623600.9/55

yield_sam4_rms vs Slug



Right In: 0.103 ± 0.000 χ^2/NDF : 5102459.8/29

Left Out: 0.064 ± 0.000 χ^2/NDF : 761552.3/24

Right Out: 0.109 ± 0.000 χ^2/NDF : 5109315.5/32

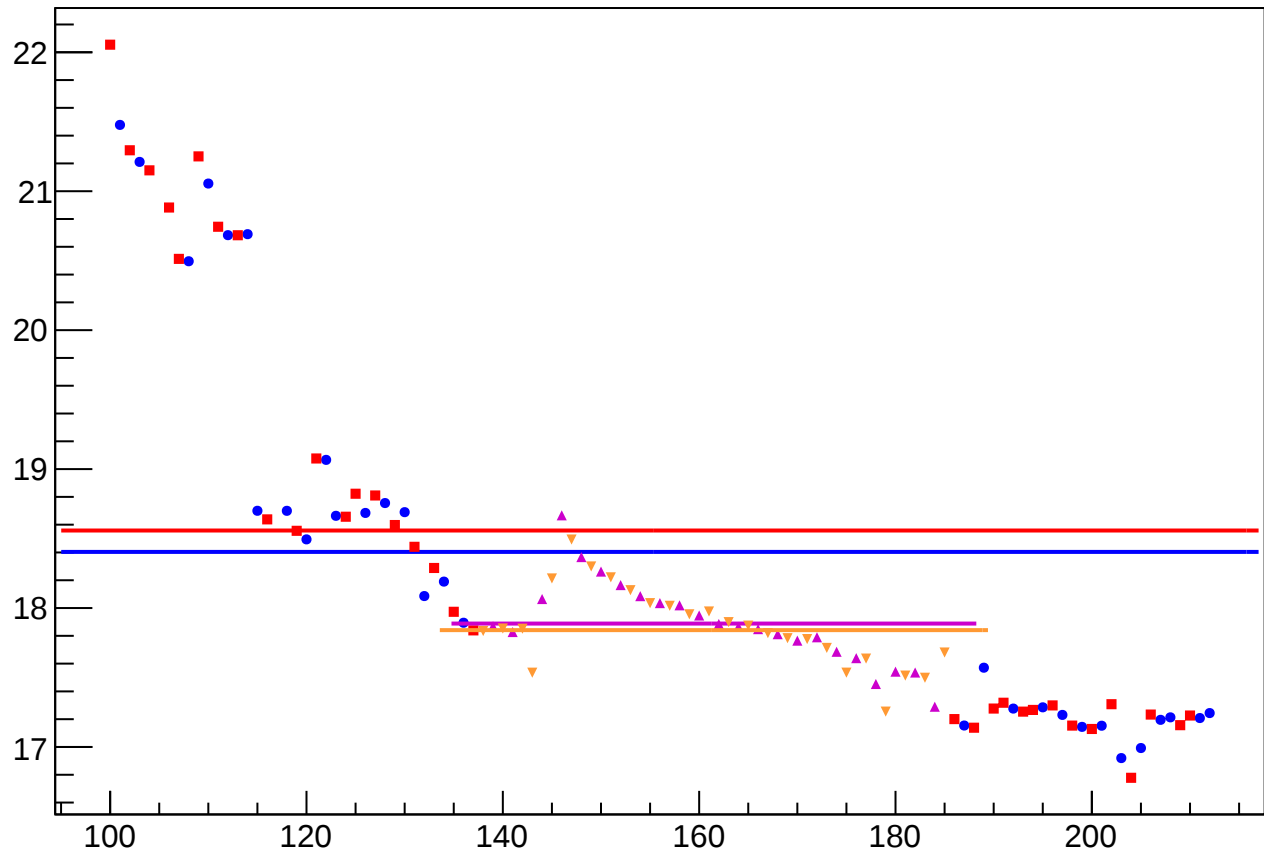
Left In: 0.066 ± 0.000 χ^2/NDF : 714703.1/22

+ sign 0.074 ± 0.000 χ^2/NDF : 8477168.0/54

All: 0.075 ± 0.000 χ^2/NDF : 17403639.9/110

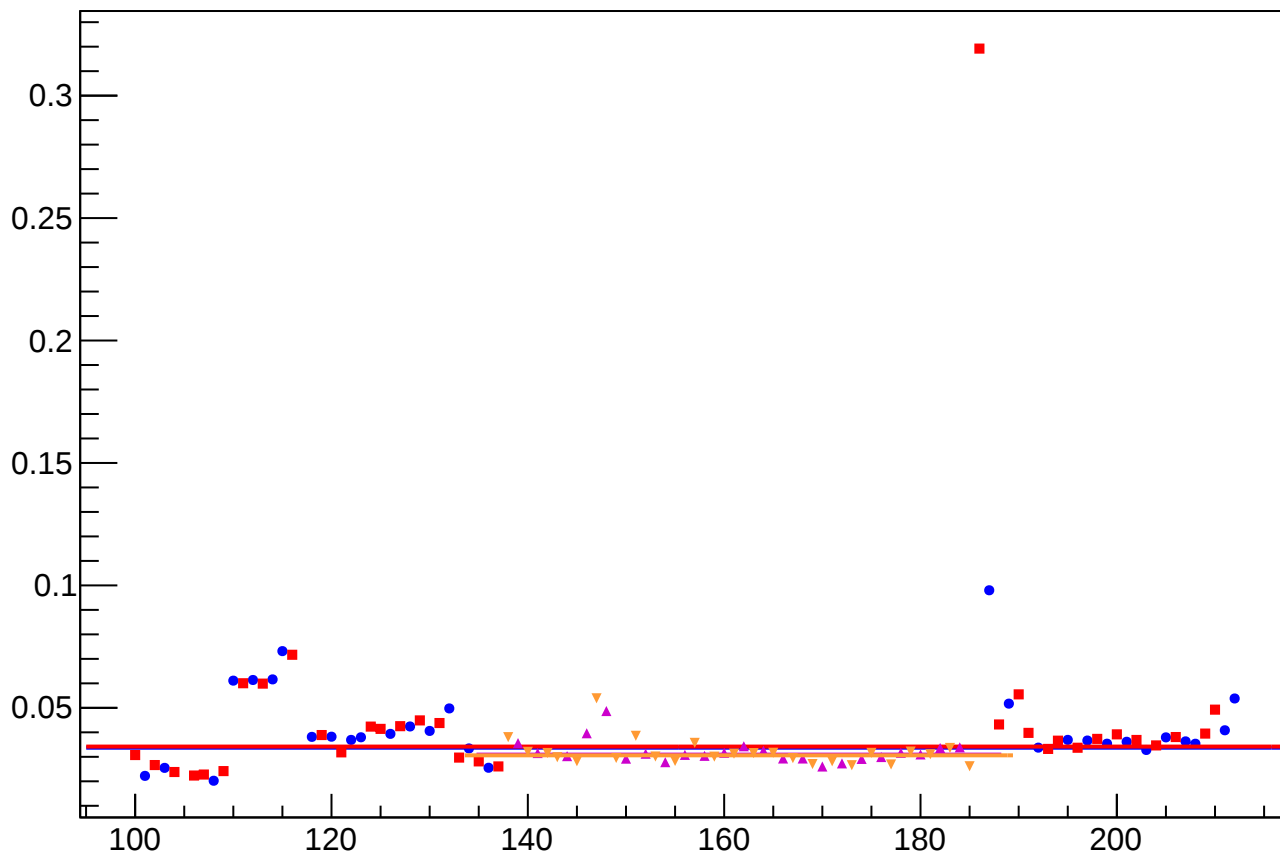
- sign 0.076 ± 0.000 χ^2/NDF : 8899034.6/55

yield_sam5_mean vs Slug



Right In: 18.404 $\pm$ 0.000	χ^2 /NDF: 31905257071.9/29	+ sign 18.066 $\pm$ 0.000	χ^2 /NDF: 35549587124.7/54
Left Out: 17.841 $\pm$ 0.000	χ^2 /NDF: 1283287989.7/24	All: 18.115 $\pm$ 0.000	χ^2 /NDF: 73851167471.6
Right Out: 18.558 $\pm$ 0.000	χ^2 /NDF: 33716206952.5/32	- sign 18.166 $\pm$ 0.000	χ^2 /NDF: 38149667279.6/55
Left In: 17.888 $\pm$ 0.000	χ^2 /NDF: 1203002311.3/22		

yield_sam5_rms vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 1993511.1/29

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 2314182.0/32

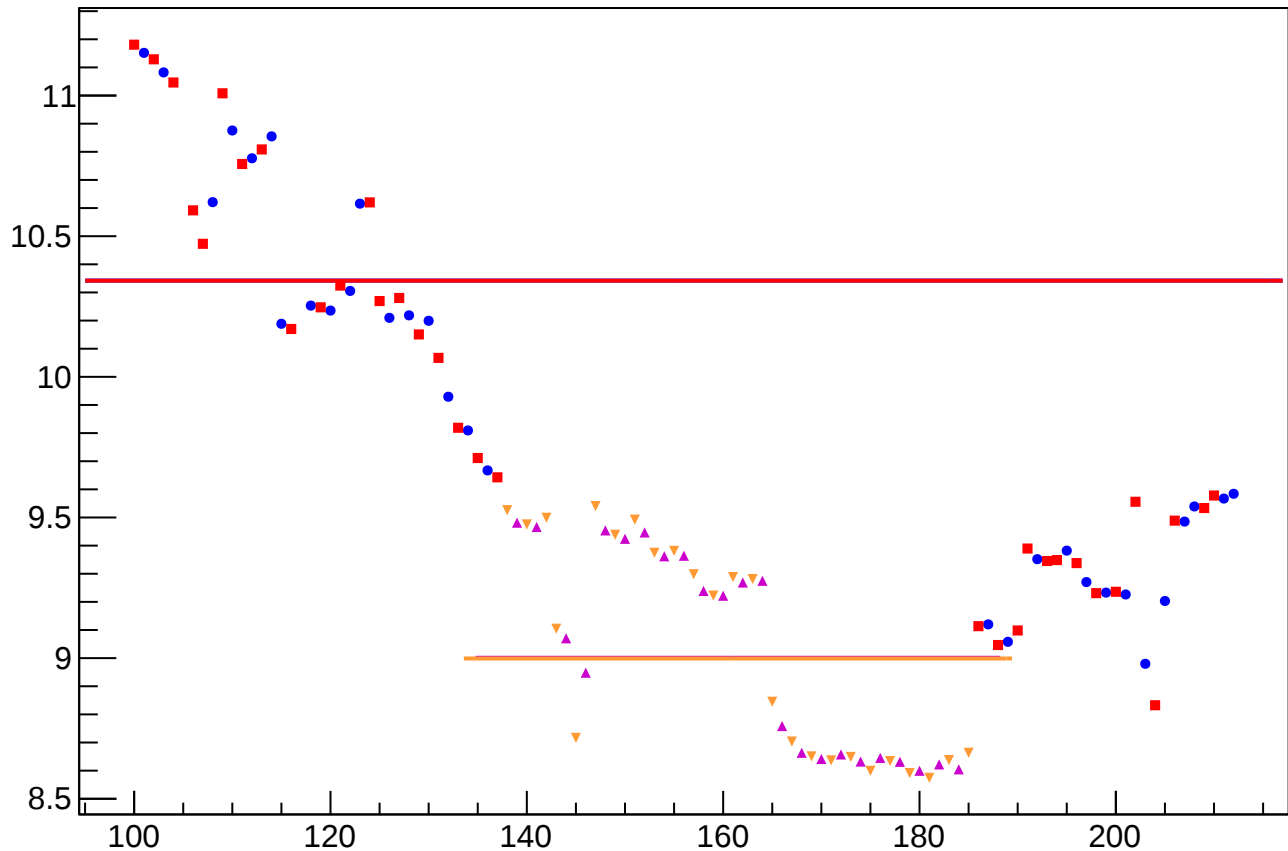
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2728772.9/54

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 5656776.8/110

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2922912.4/55

yield_sam6_mean vs Slug



Right In: 10.342 $\pm$ 0.000 χ^2 /NDF: 15390943756.1/29

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.342 $\pm$ 0.000 χ^2 /NDF: 13568884994.7/32

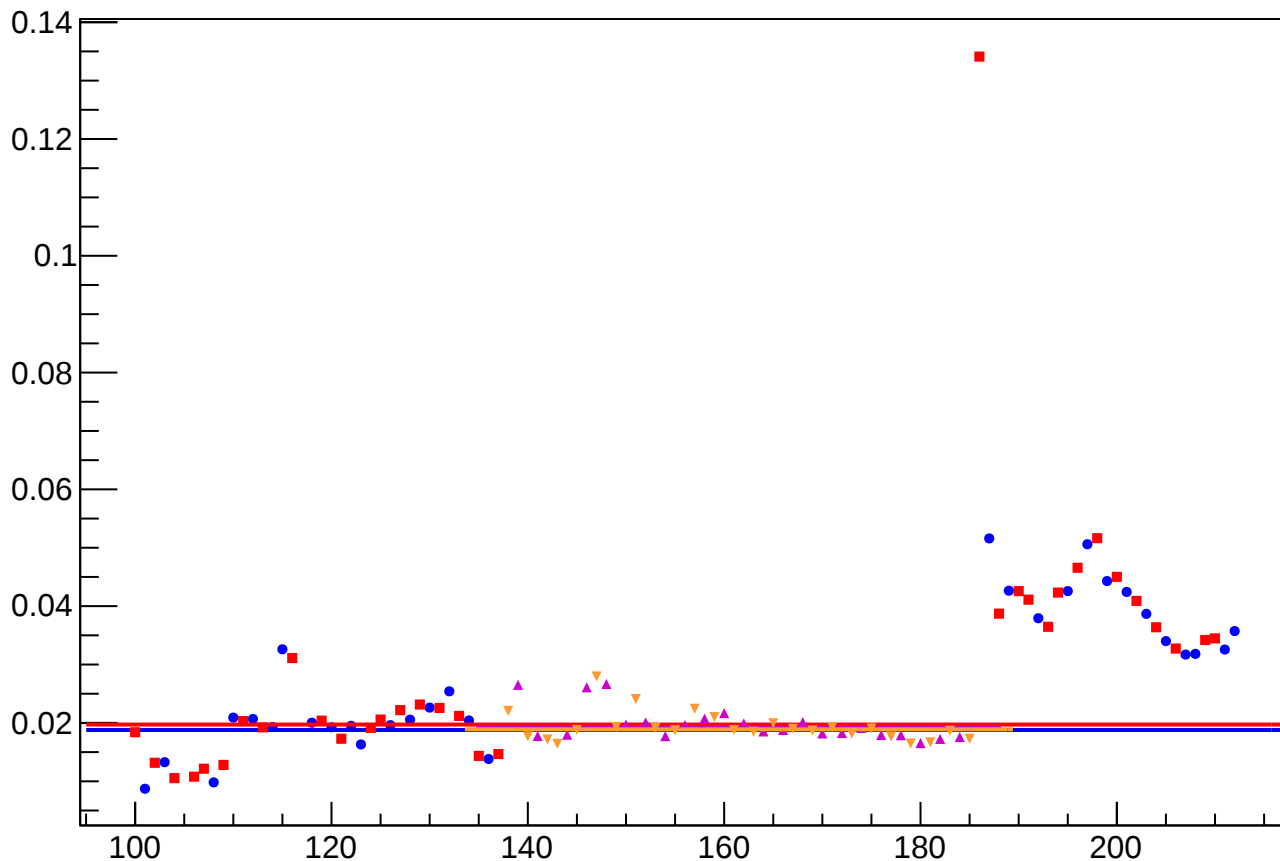
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.546 $\pm$ 0.000 χ^2 /NDF: 56351043527.6/54

All: 9.555 $\pm$ 0.000 χ^2 /NDF: 107578896340.8

- sign 9.565 $\pm$ 0.000 χ^2 /NDF: 51215169301.9/55

yield_sam6_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 7174088.4/29

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.020+/-0.000 χ^2/NDF : 7009784.8/32

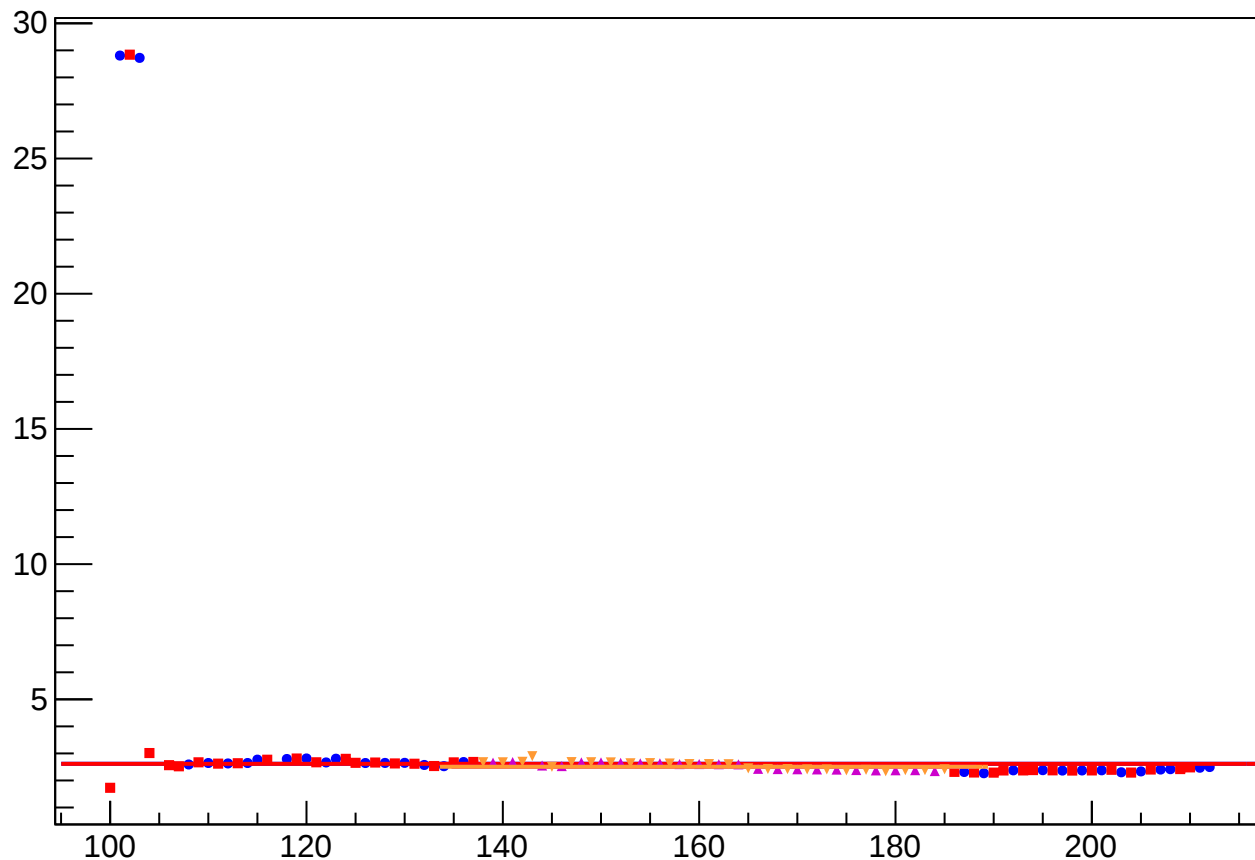
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.019+/-0.000 χ^2/NDF : 7602705.0/54

All: 0.019+/-0.000 χ^2/NDF : 15128883.4/110

- sign 0.019+/-0.000 χ^2/NDF : 7500456.2/55

yield_sam7_mean vs Slug



Right In: 2.617 $\pm$ 0.000 χ^2 /NDF: 181614045731.8/29

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.615 $\pm$ 0.000 χ^2 /NDF: 90350794257.9/32

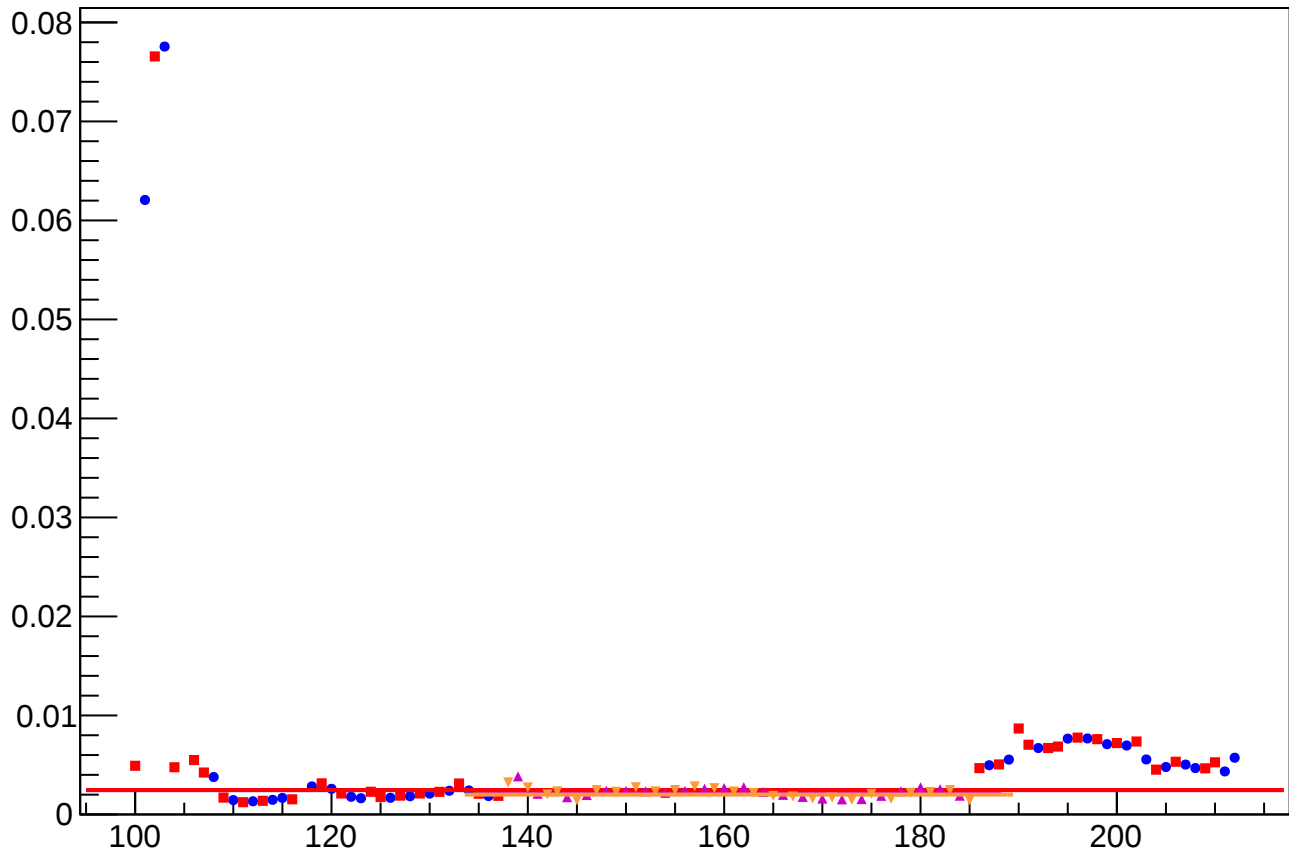
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.541 $\pm$ 0.000 χ^2 /NDF: 259594039942.3/54

All: 2.541 $\pm$ 0.000 χ^2 /NDF: 406147748796.9

- sign 2.542 $\pm$ 0.000 χ^2 /NDF: 146547572926.0/55

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 9848945.4/29

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 9865402.0/32

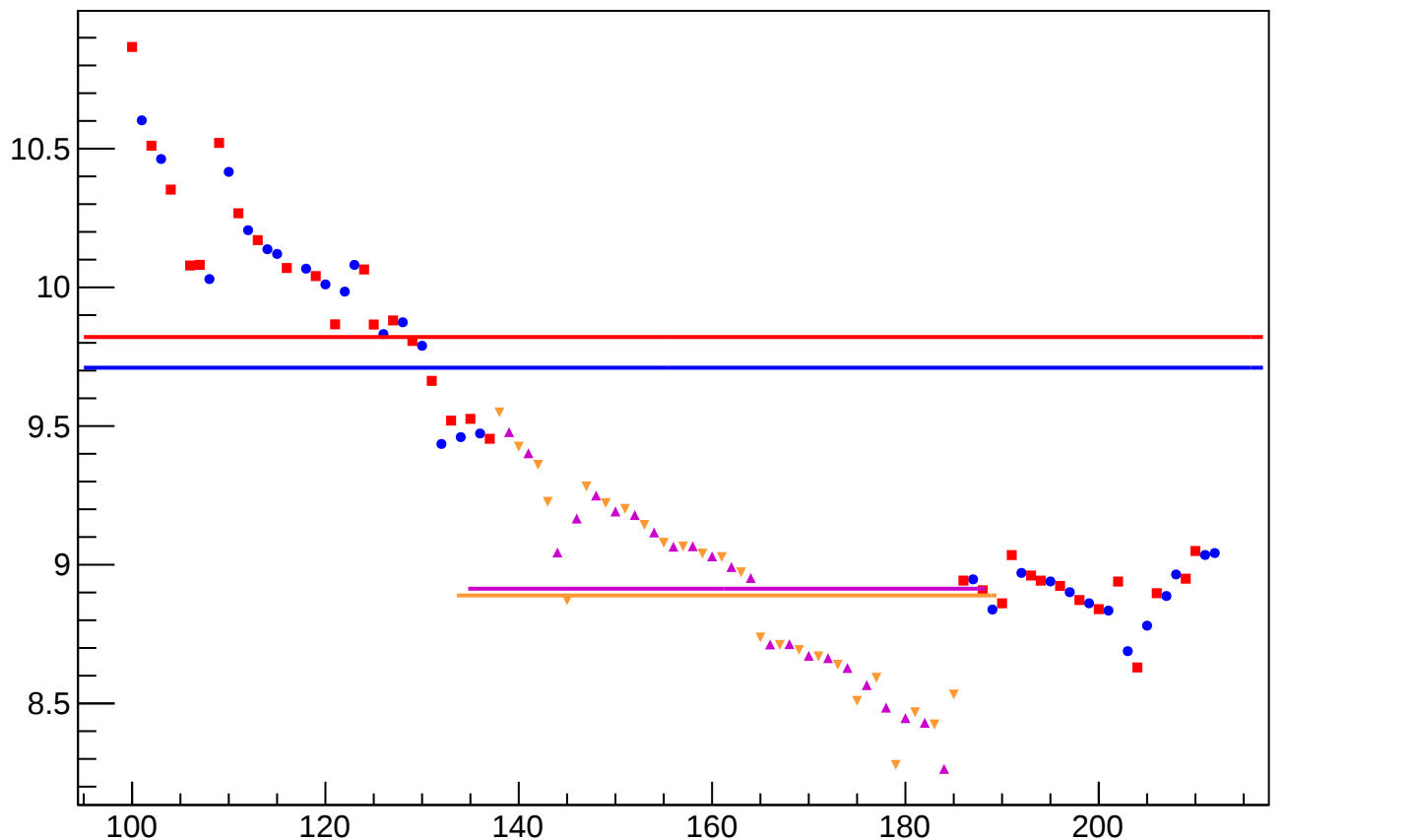
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11776351.2/54

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 23321833.9/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11532767.5/55

yield_sam8_mean vs Slug



Right In: 9.710 $\pm$ 0.000 χ^2 /NDF: 73610991896.1/29

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 9.821 $\pm$ 0.000 χ^2 /NDF: 73418515947.5/32

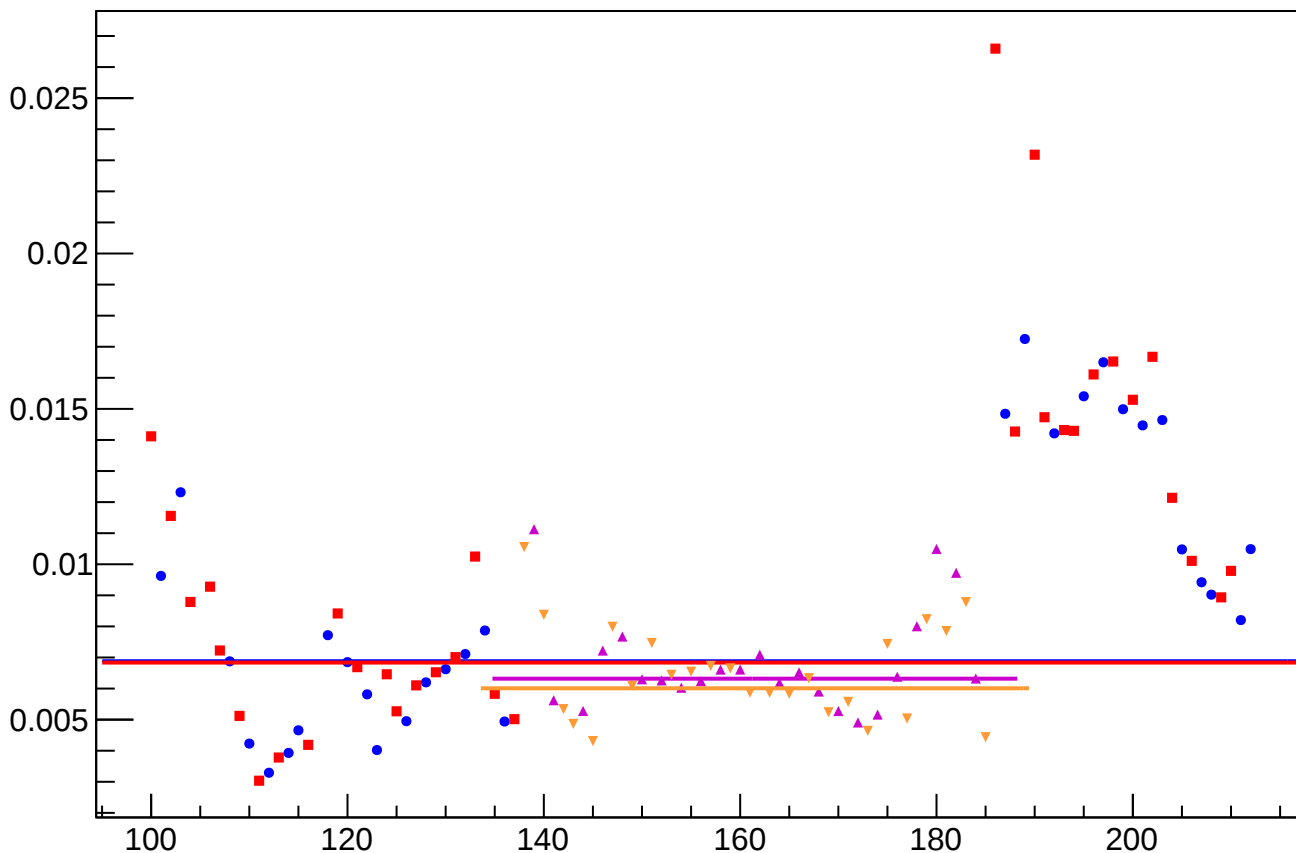
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.200 $\pm$ 0.000 χ^2 /NDF: 210916153988.1/54

All: 9.242 $\pm$ 0.000 χ^2 /NDF: 433746846095.3

- sign 9.289 $\pm$ 0.000 χ^2 /NDF: 220380496398.5/55

yield_sam8_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5945480.6/29

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7400372.3/32

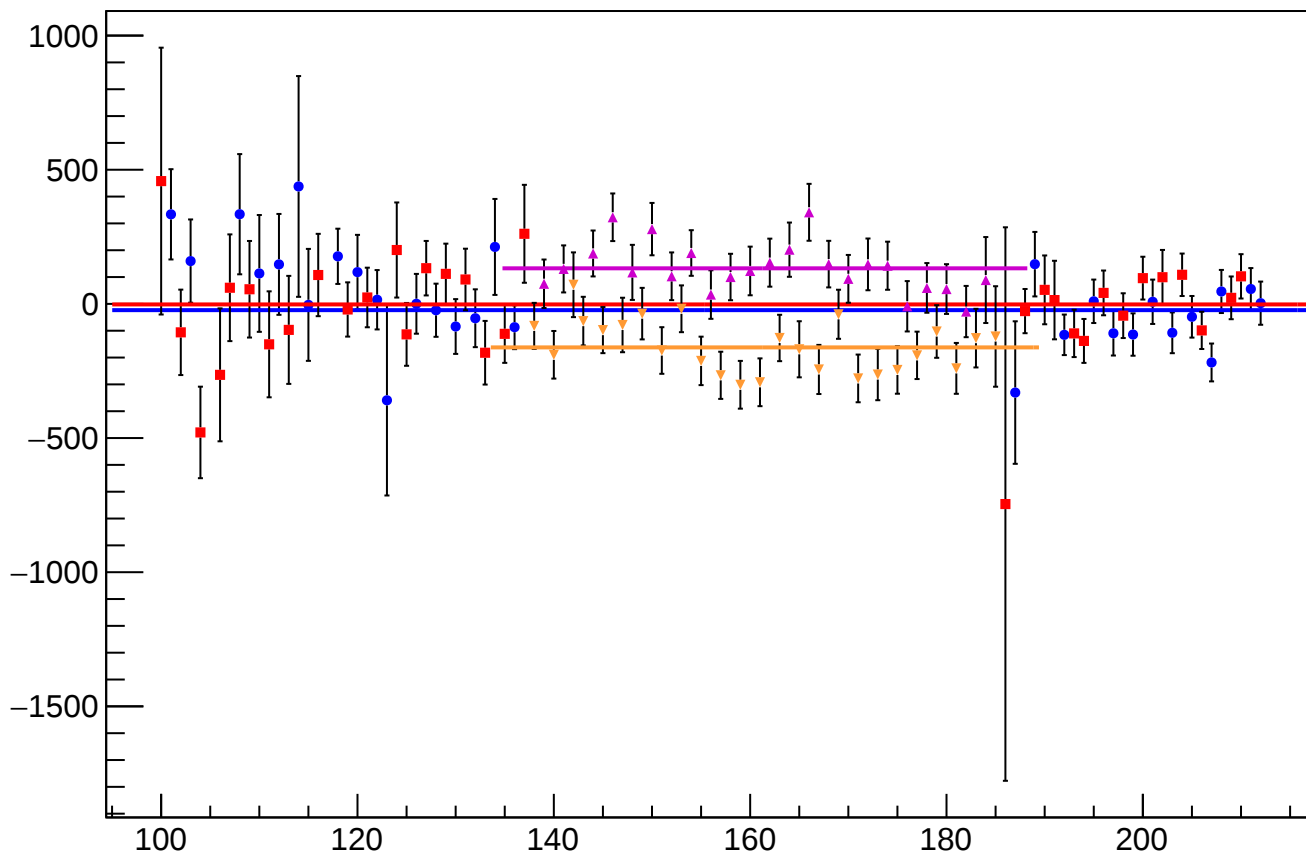
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7488516.4/54

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 16076672.4/110

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8564784.3/55

reg_asym_sam1_mean vs Slug



Right In: -23.312 ± 18.784 χ^2/NDF : 38.0/29

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -2.004 ± 19.204 χ^2/NDF : 36.6/32

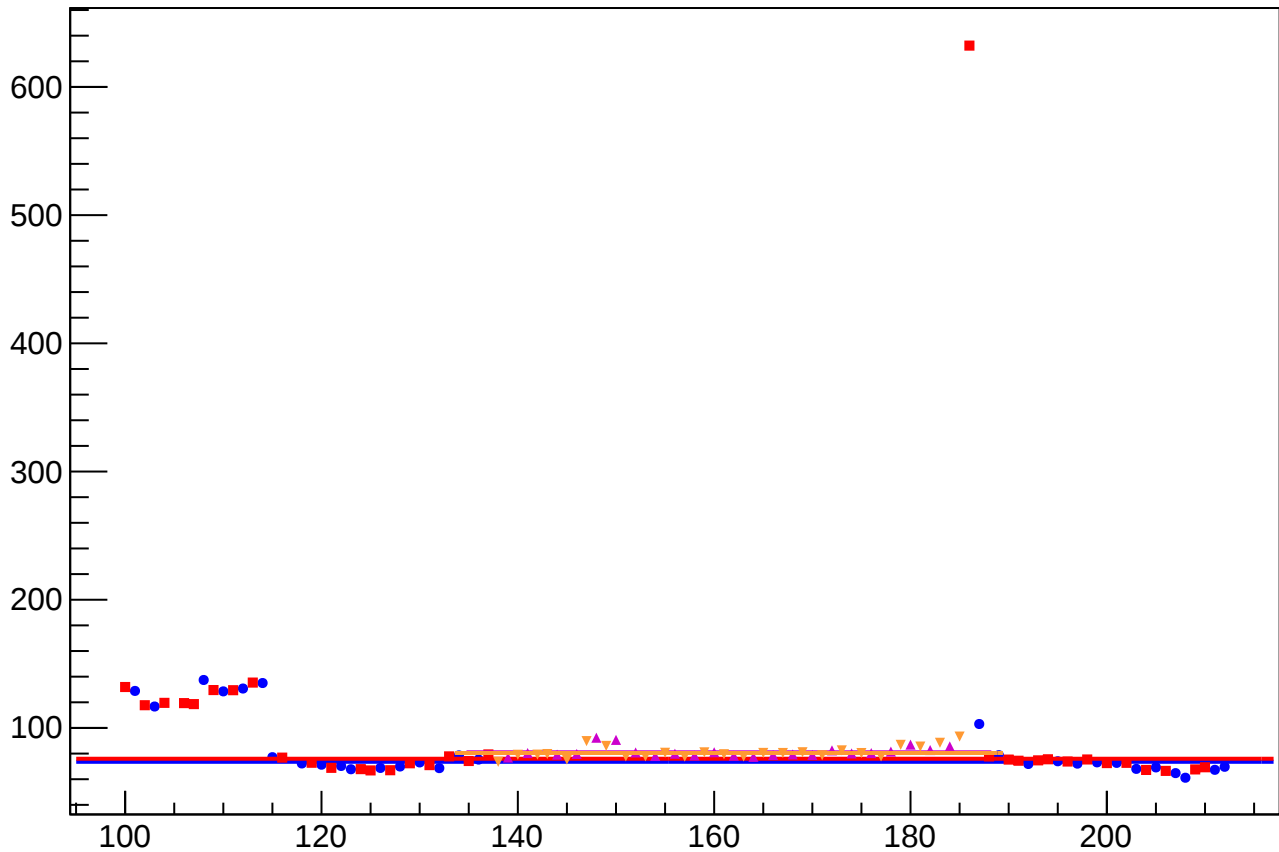
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -92.883 ± 13.269 χ^2/NDF : 91.1/54

All: -16.377 ± 9.514 χ^2/NDF : 241.1/110

- sign 64.580 ± 13.649 χ^2/NDF : 81.6/55

reg_asym_sam1_rms vs Slug



Right In: 73.591 $\pm$ 0.013 χ^2 /NDF: 1050510.5/29

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 75.975 $\pm$ 0.014 χ^2 /NDF: 1681225.4/32

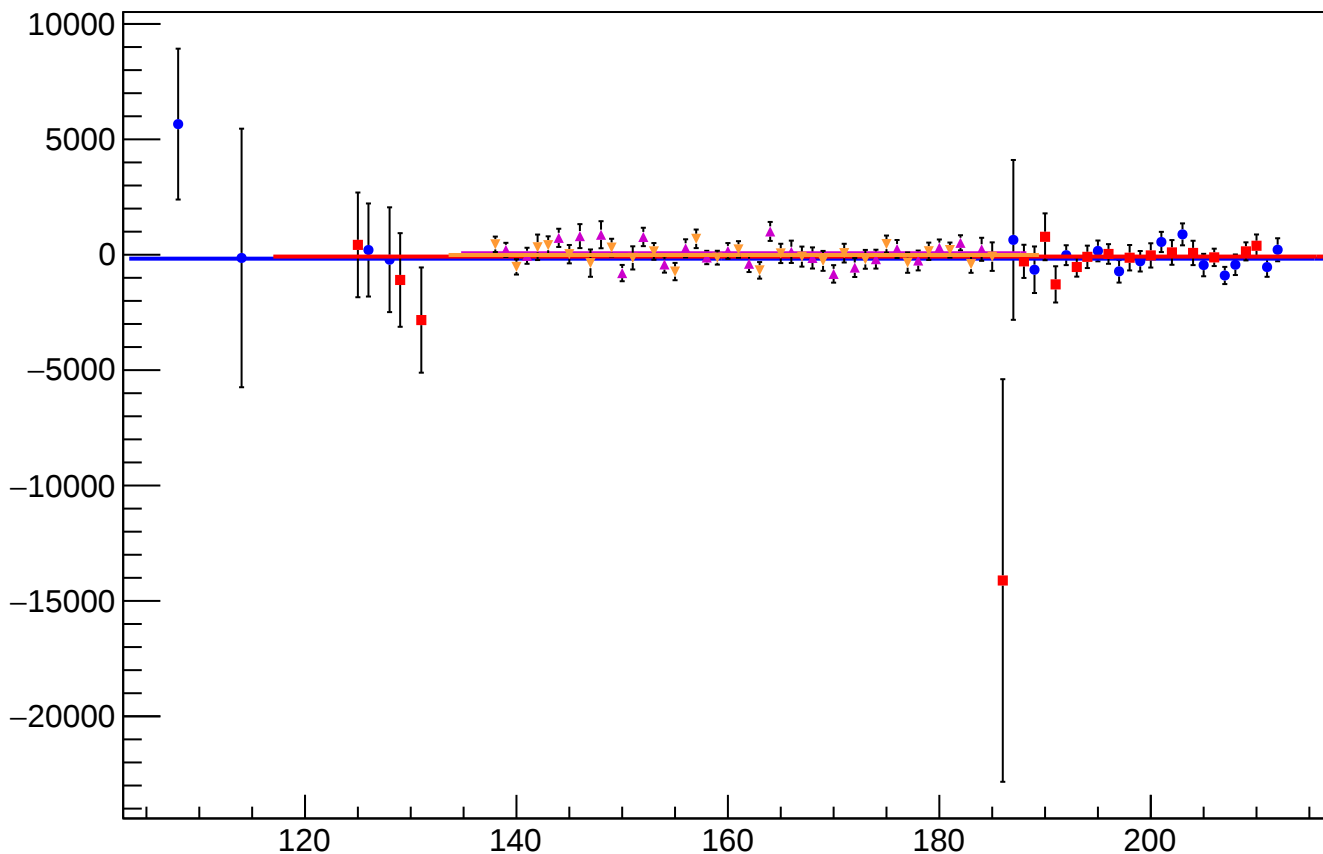
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 77.032 $\pm$ 0.009 χ^2 /NDF: 1274392.3/54

All: 77.730 $\pm$ 0.007 χ^2 /NDF: 3107382.9/110

- sign 78.468 $\pm$ 0.010 χ^2 /NDF: 1821605.5/55

asym_sam1_correction_mean vs Slug



Right In: -169.719 ± 132.483 χ^2/NDF : 19.0/16

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -79.392 ± 138.150 χ^2/NDF : 10.2/16

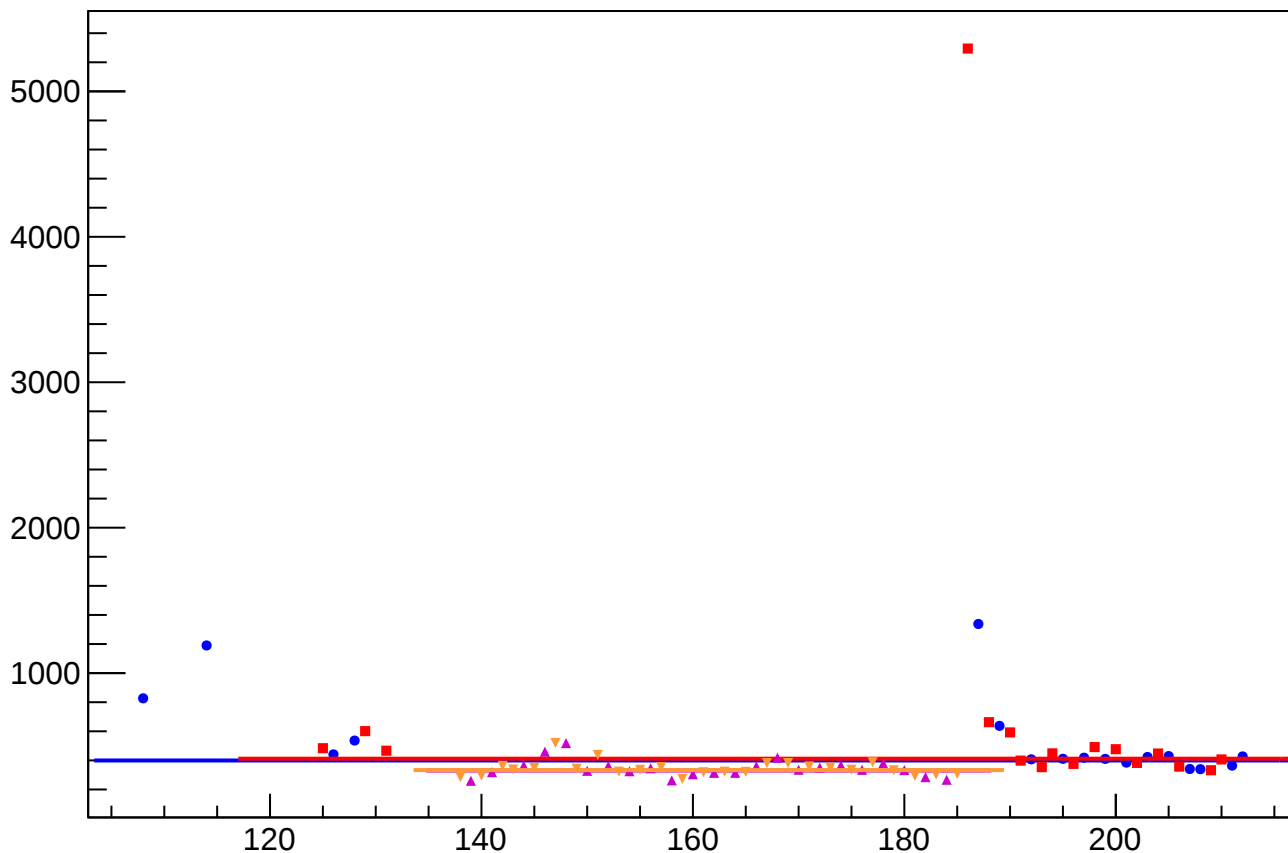
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -51.779 ± 67.465 χ^2/NDF : 42.6/41

All: -12.741 ± 48.327 χ^2/NDF : 91.7/81

- sign 28.402 ± 69.260 χ^2/NDF : 48.4/39

asym_sam1_correction_rms vs Slug



Right In: 399.348 $\pm$ 0.094 χ^2 /NDF: 467473.8/16

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 411.671 $\pm$ 0.098 χ^2 /NDF: 1231656.1/16

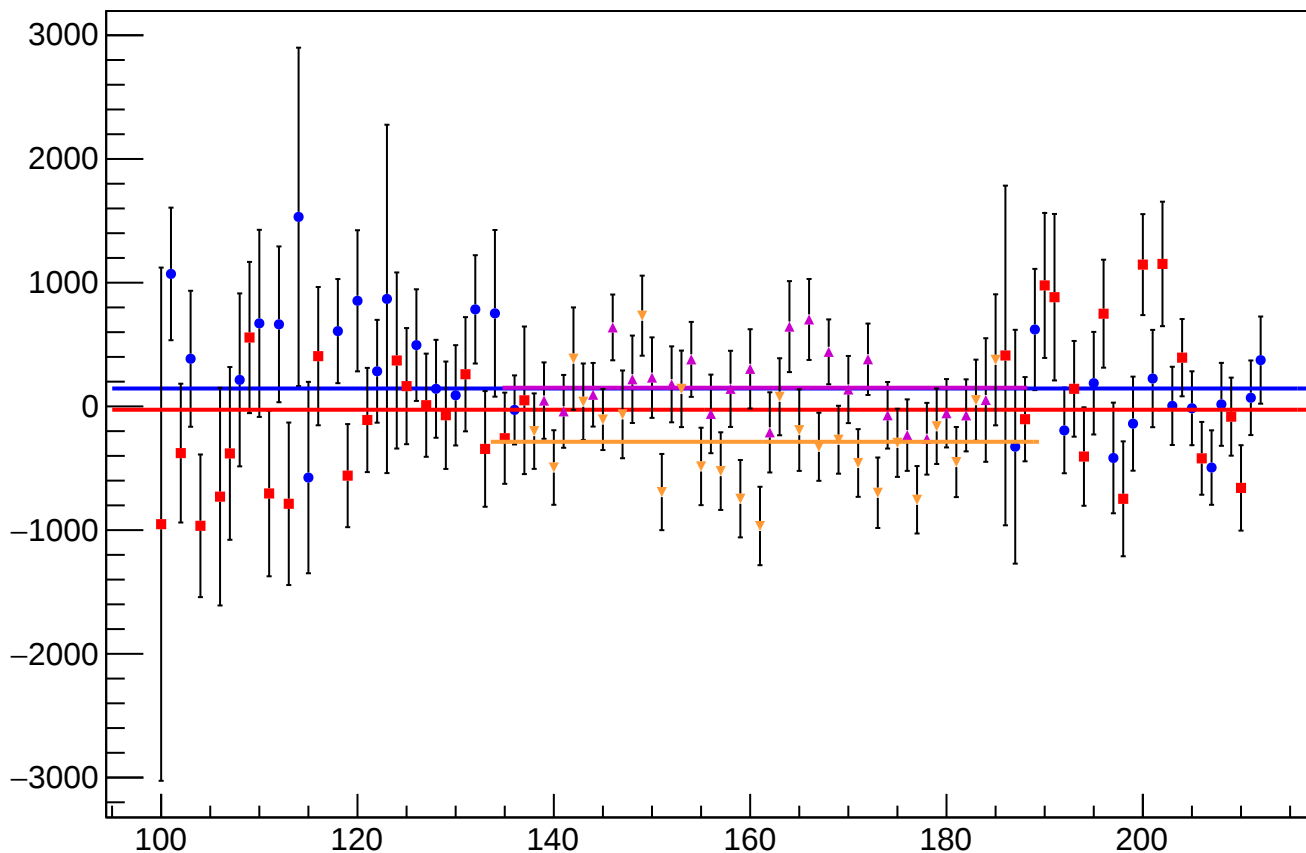
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 350.378 $\pm$ 0.048 χ^2 /NDF: 1428520.2/41

All: 350.446 $\pm$ 0.034 χ^2 /NDF: 3979639.2/81

- sign 350.517 $\pm$ 0.049 χ^2 /NDF: 2551114.9/39

reg_asym_sam2_mean vs Slug



Right In: 144.687 ± 77.615 χ^2/NDF : 23.3/29

Left Out: -286.030 ± 61.095 χ^2/NDF : 36.6/24

Right Out: -26.942 ± 80.072 χ^2/NDF : 43.7/32

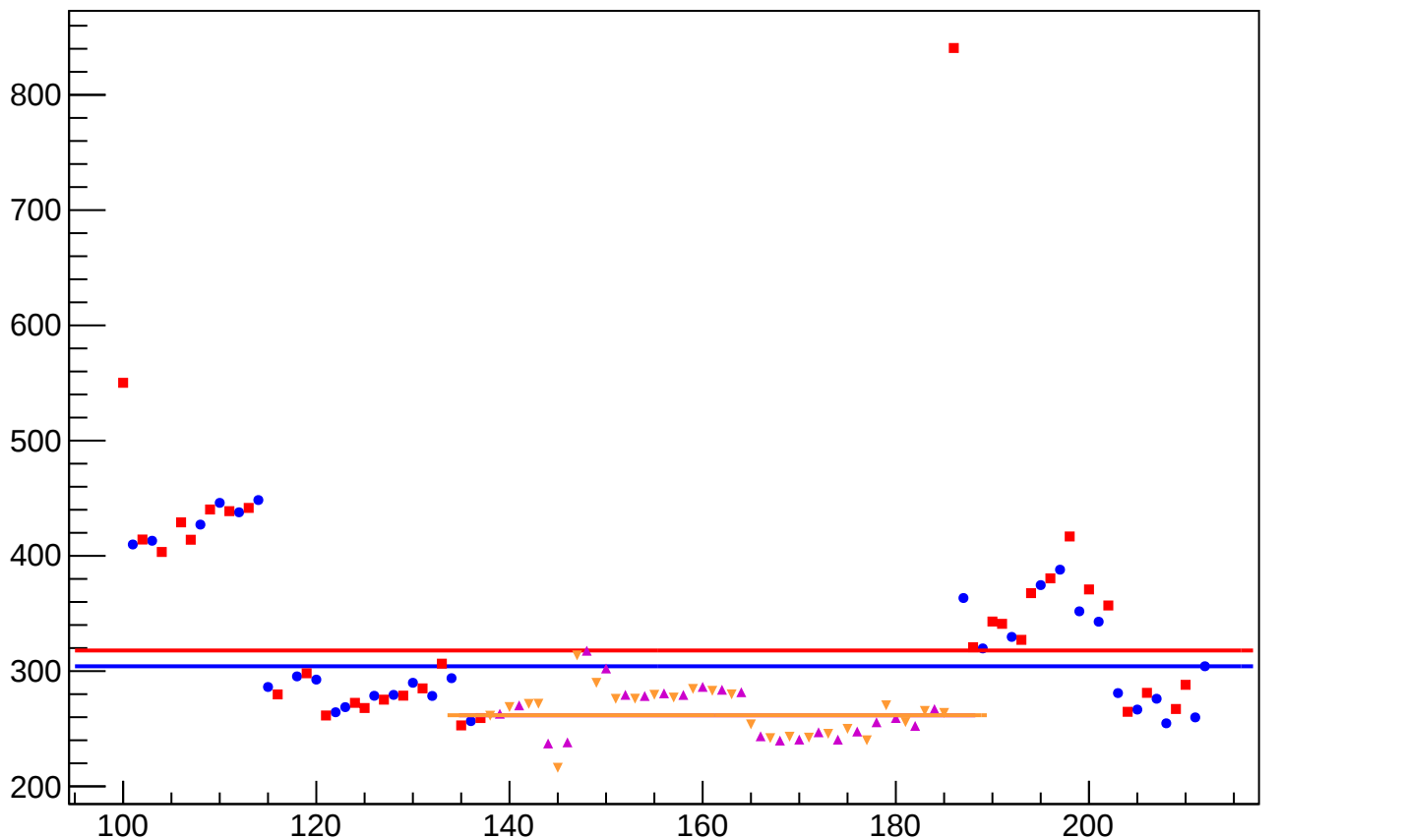
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -121.253 ± 48.006 χ^2/NDF : 78.9/54

All: -22.020 ± 34.436 χ^2/NDF : 153.2/110

- sign 83.158 ± 49.423 χ^2/NDF : 65.5/55

reg_asym_sam2_rms vs Slug



Right In: 304.185 ± 0.055 χ^2/NDF : 851904.0/29

Left Out: 261.722 ± 0.043 χ^2/NDF : 233222.6/24

Right Out: 317.896 ± 0.057 χ^2/NDF : 1286920.4/32

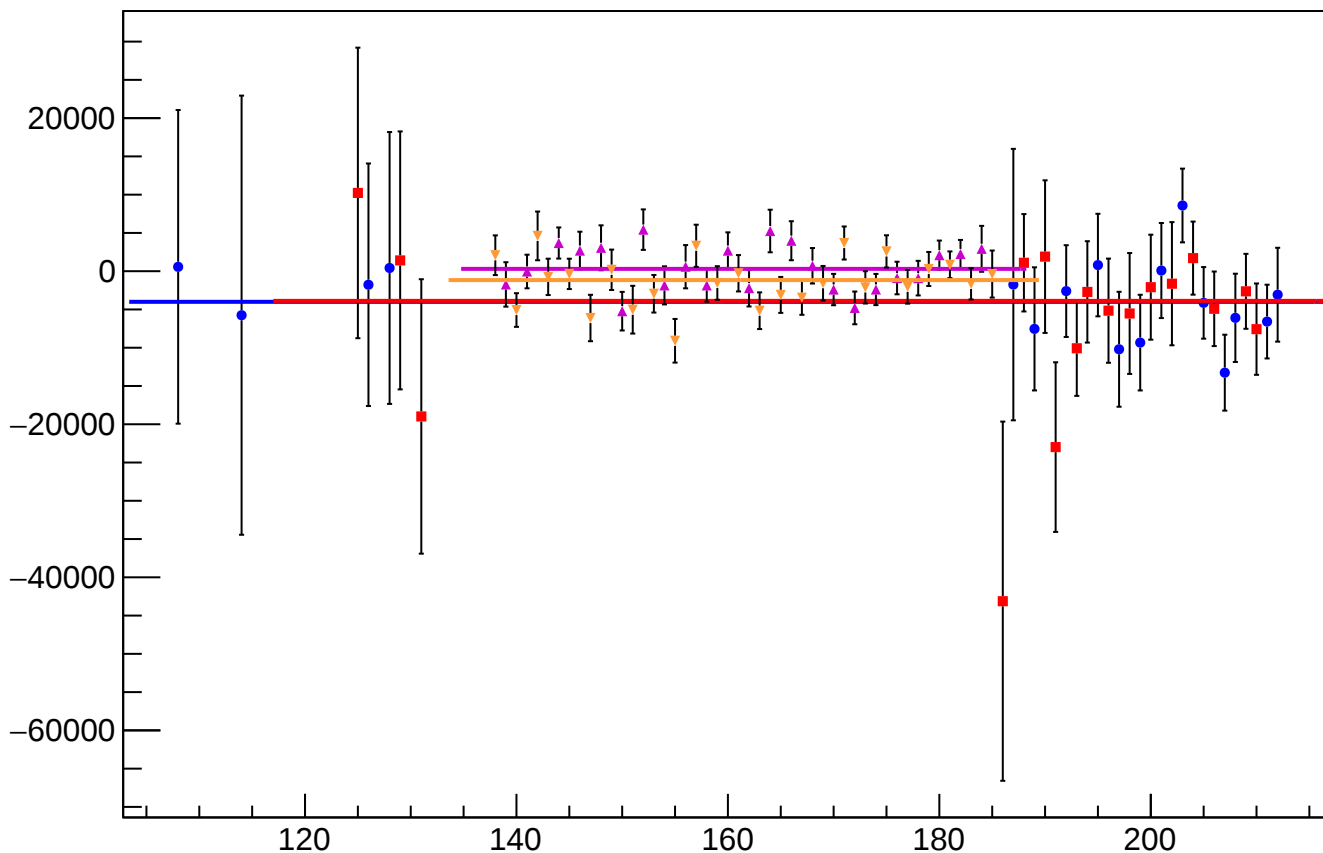
Left In: 261.637 ± 0.044 χ^2/NDF : 228241.3/22

+ sign 277.966 ± 0.034 χ^2/NDF : 1454743.2/54

All: 280.444 ± 0.024 χ^2/NDF : 3592047.8/110

- sign 283.070 ± 0.035 χ^2/NDF : 2126329.8/55

asym_sam2_correction_mean vs Slug



Right In: -4000.974 ± 1626.690 χ^2/NDF : 13.5/16

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -3877.109 ± 1733.127 χ^2/NDF : 11.2/16

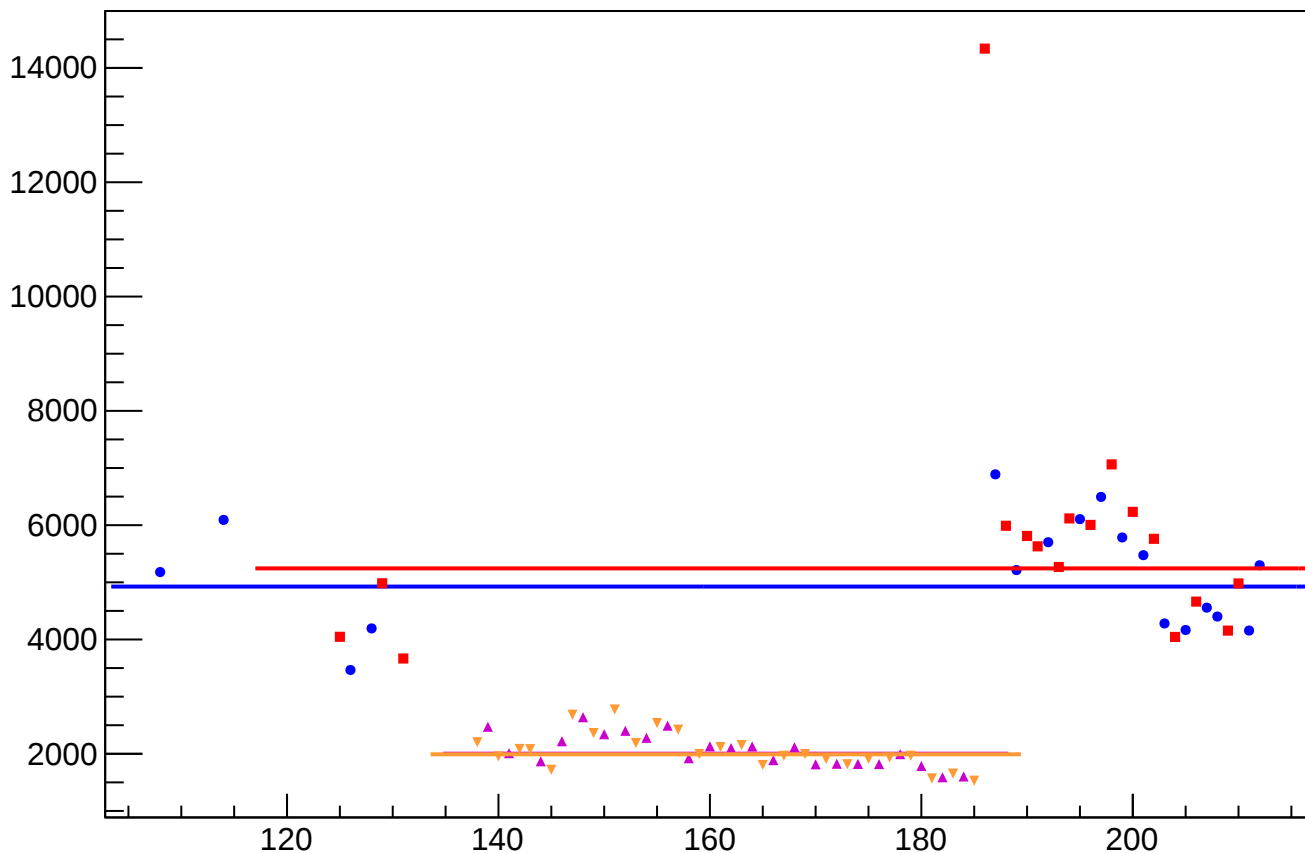
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1379.397 ± 450.676 χ^2/NDF : 55.1/41

All: -711.681 ± 323.946 χ^2/NDF : 111.6/81

- sign 2.109 ± 465.966 χ^2/NDF : 52.0/39

asym_sam2_correction_rms vs Slug



Right In: 4925.928+/-1.150 χ^2/NDF : 461958.7/16

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5243.620+/-1.226 χ^2/NDF : 834089.6/16

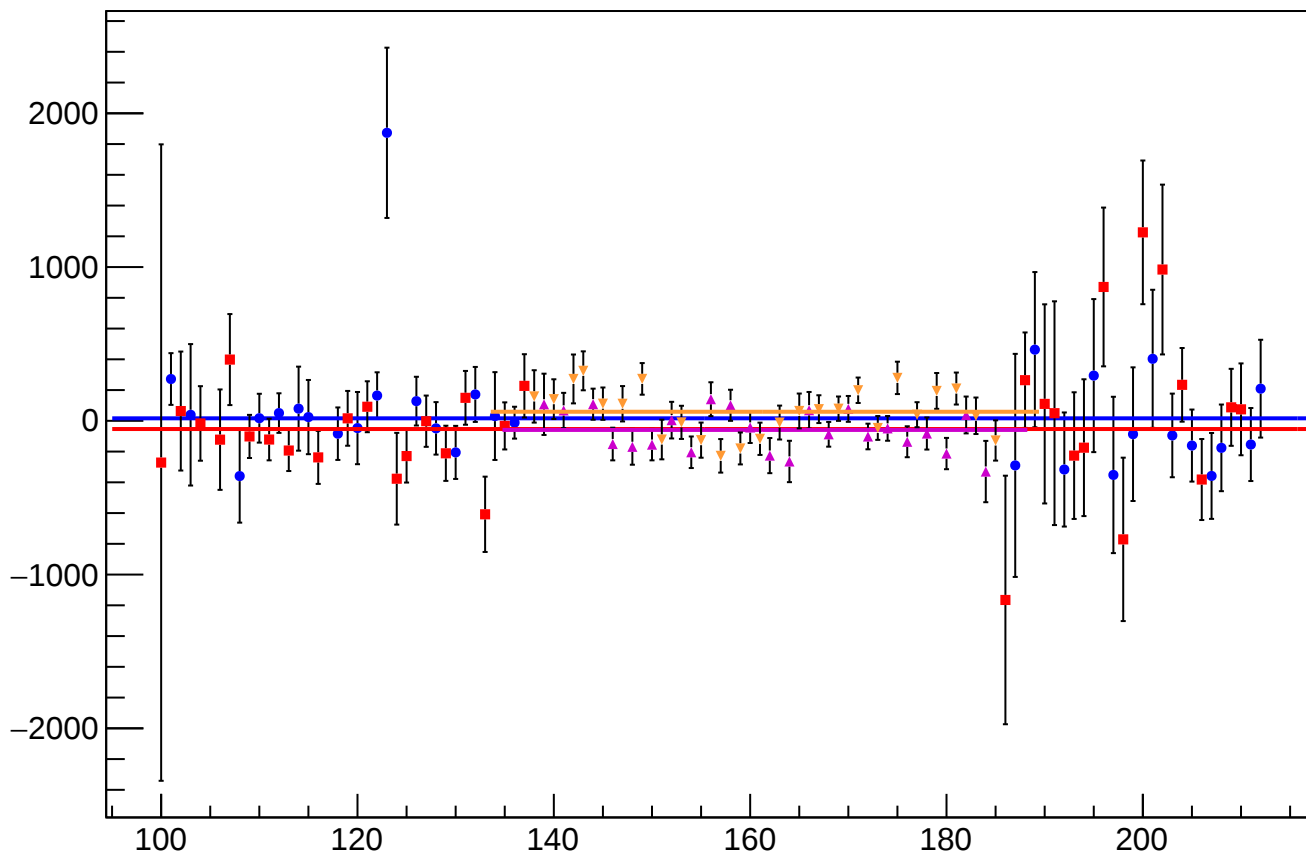
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2216.374+/-0.319 χ^2/NDF : 7198628.2/41

All: 2226.083+/-0.229 χ^2/NDF : 15110920.2/8

- sign 2236.462+/-0.329 χ^2/NDF : 7910371.3/39

reg_asym_sam3_mean vs Slug



Right In: 16.224 ± 39.489 χ^2/NDF : 27.0/29

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -53.369 ± 39.627 χ^2/NDF : 40.3/32

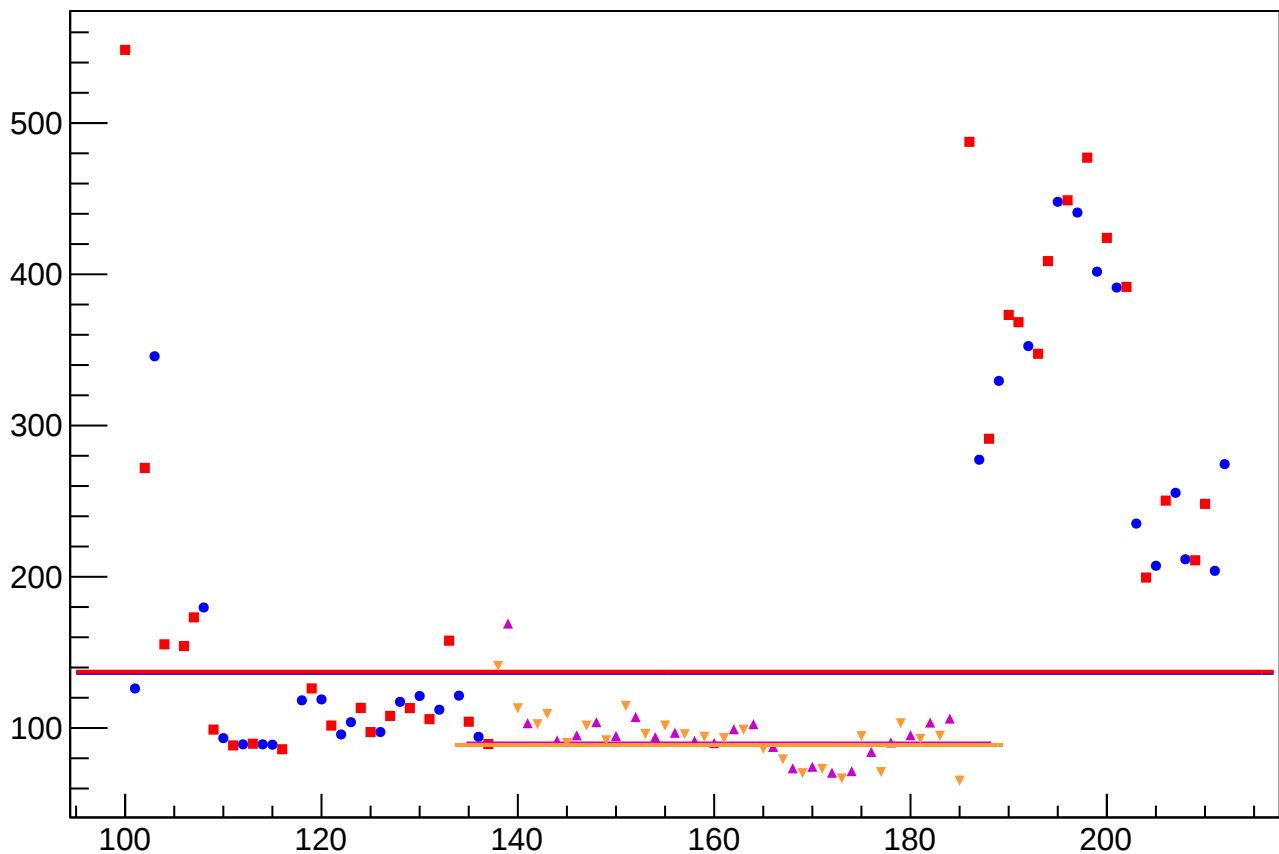
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 49.460 ± 18.636 χ^2/NDF : 74.8/54

All: -2.650 ± 13.366 χ^2/NDF : 160.6/110

- sign -57.860 ± 19.182 χ^2/NDF : 69.7/55

reg_asym_sam3_rms vs Slug



Right In: 136.464 $\pm$ 0.028 χ^2 /NDF: 7165920.1/29

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 137.209 $\pm$ 0.028 χ^2 /NDF: 8084989.9/32

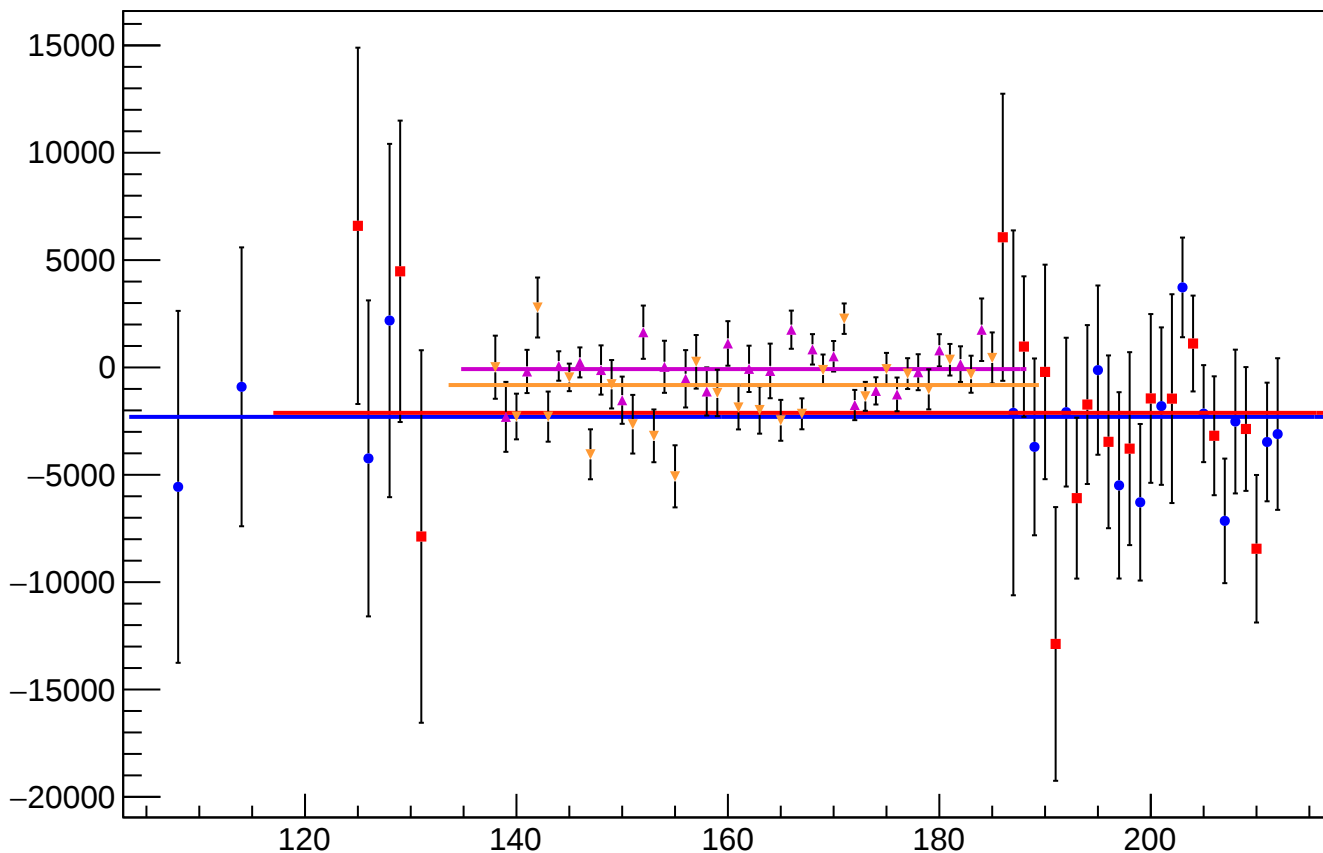
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 99.375 $\pm$ 0.013 χ^2 /NDF: 10515034.2/54

All: 100.107 $\pm$ 0.009 χ^2 /NDF: 21687243.4/11

- sign 100.882 $\pm$ 0.014 χ^2 /NDF: 11165855.3/55

asym_sam3_correction_mean vs Slug



Right In: -2302.137 ± 878.504 χ^2/NDF : 12.5/16

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: -2114.699 ± 941.895 χ^2/NDF : 14.9/16

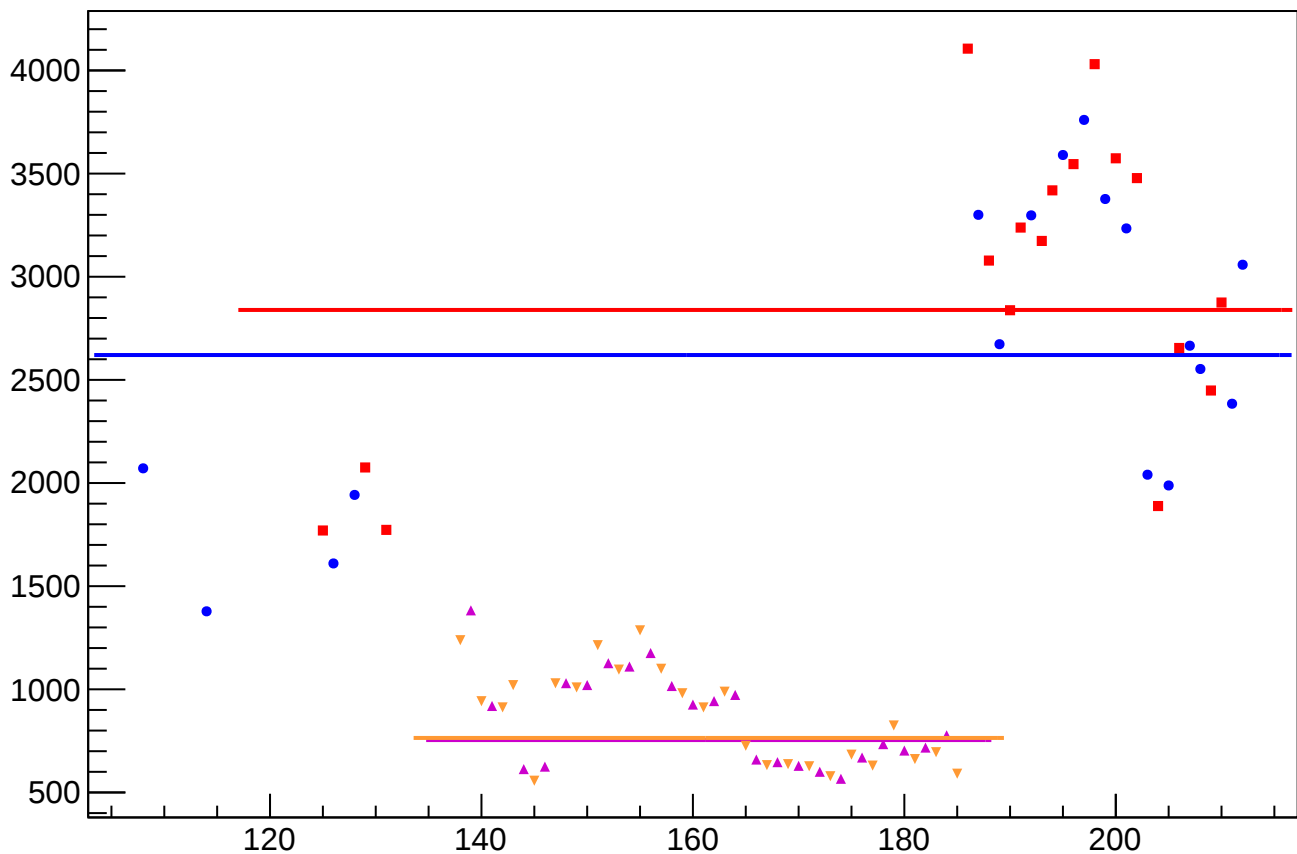
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -881.511 ± 180.527 χ^2/NDF : 83.5/41

All: -522.504 ± 128.549 χ^2/NDF : 139.2/81

- sign -153.230 ± 183.090 χ^2/NDF : 47.7/39

asym_sam3_correction_rms vs Slug



Right In: 2620.481 +/- 0.621 χ^2/NDF : 952222.8/16

Left Out: 764.280 +/- 0.130 χ^2/NDF : 2315985.8/24

Right Out: 2838.991 +/- 0.666 χ^2/NDF : 957776.8/16

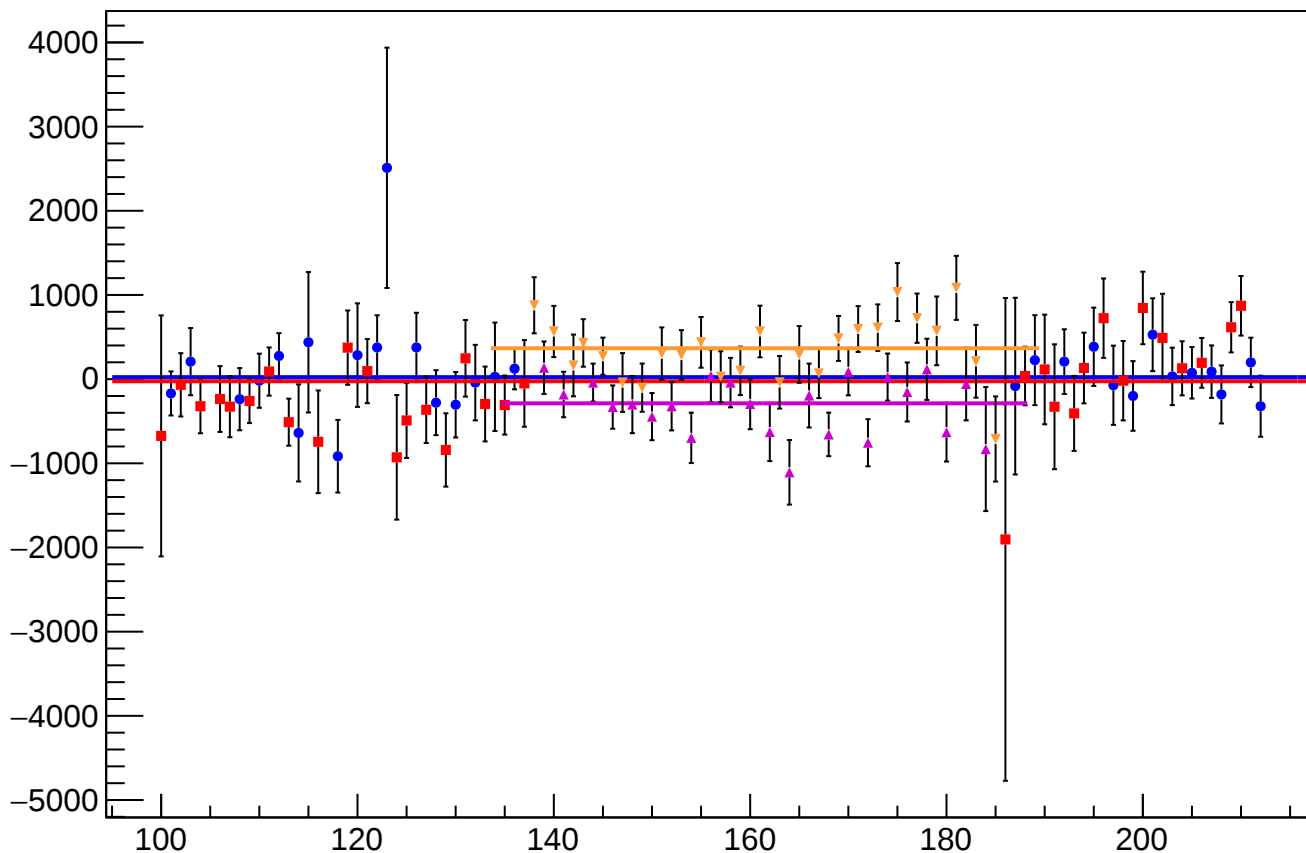
Left In: 754.027 +/- 0.132 χ^2/NDF : 2013386.7/22

+ sign 842.663 +/- 0.128 χ^2/NDF : 11819961.8/41

All: 837.805 +/- 0.091 χ^2/NDF : 24223685.7/81

- sign 832.808 +/- 0.129 χ^2/NDF : 12400786.2/39

reg_asym_sam4_mean vs Slug



Right In: 23.733+/-70.154 χ^2/NDF : 19.1/29

Left Out: 367.028+/-61.943 χ^2/NDF : 28.2/24

Right Out: -25.057+/-69.404 χ^2/NDF : 37.5/32

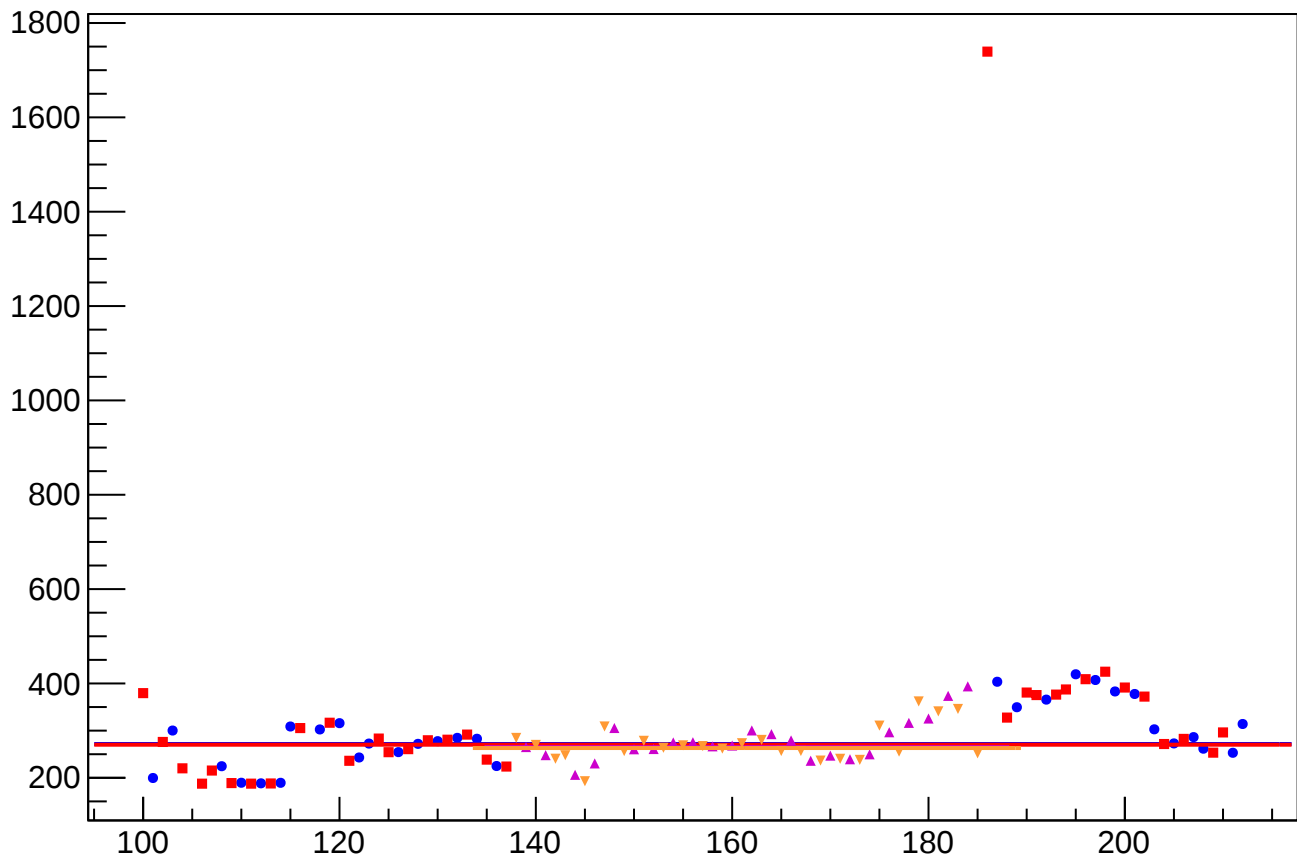
Left In: -287.246+/-64.141 χ^2/NDF : 23.9/22

+ sign 216.638+/-46.434 χ^2/NDF : 60.8/54

All: 27.835+/-33.068 χ^2/NDF : 163.5/110

- sign -166.470+/-47.105 χ^2/NDF : 69.1/55

reg_asym_sam4_rms vs Slug



Right In: 271.653+/-0.050 χ^2/NDF : 1554318.0/29

Left Out: 263.103+/-0.044 χ^2/NDF : 642226.0/24

Right Out: 270.170+/-0.049 χ^2/NDF : 2405618.7/32

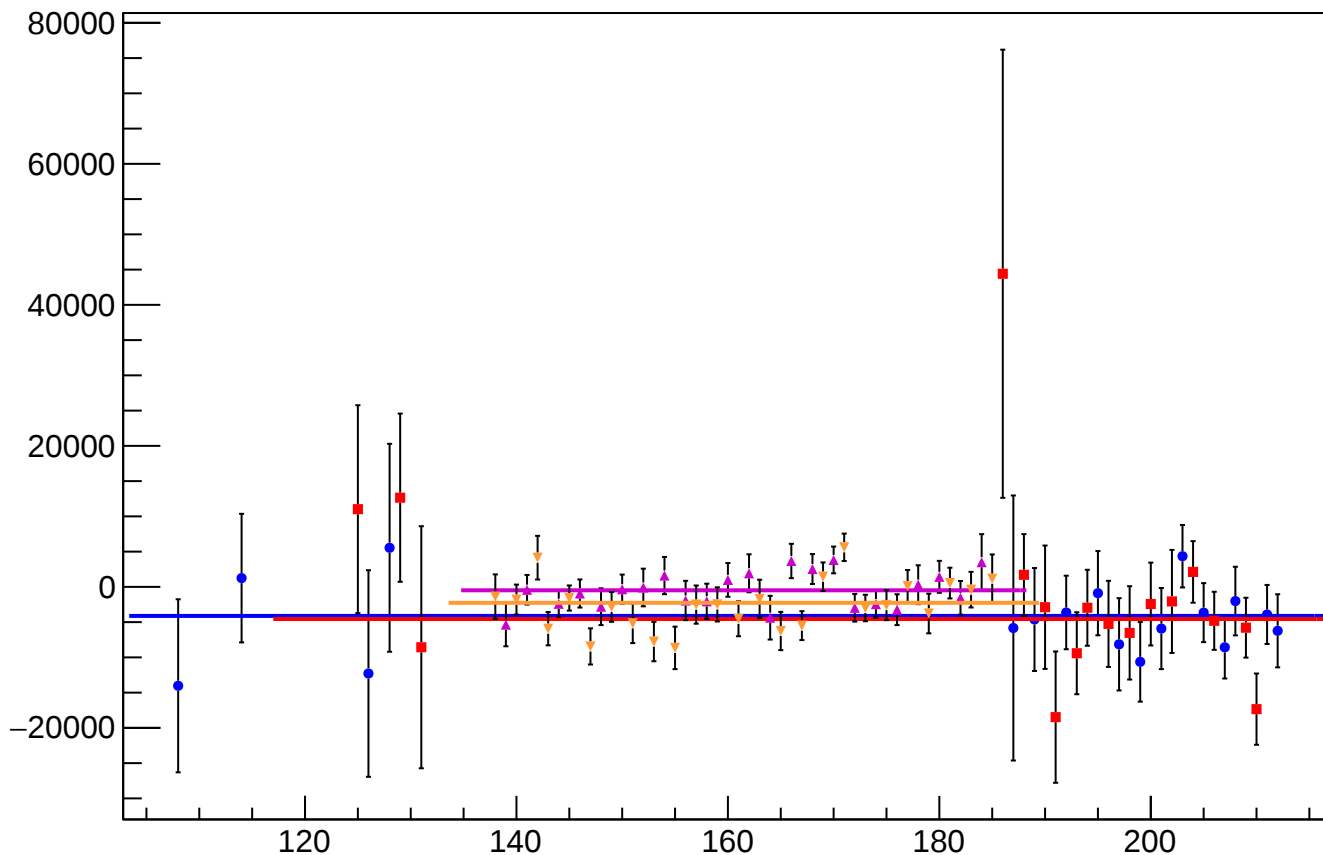
Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

+ sign 266.848+/-0.033 χ^2/NDF : 2213235.5/54

All: 267.091+/-0.023 χ^2/NDF : 5234154.8/110

- sign 267.340+/-0.033 χ^2/NDF : 3020808.8/55

asym_sam4_correction_mean vs Slug



Right In: -4119.007 ± 1421.671 χ^2/NDF : 8.9/16

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -4558.310 ± 1510.888 χ^2/NDF : 19.0/16

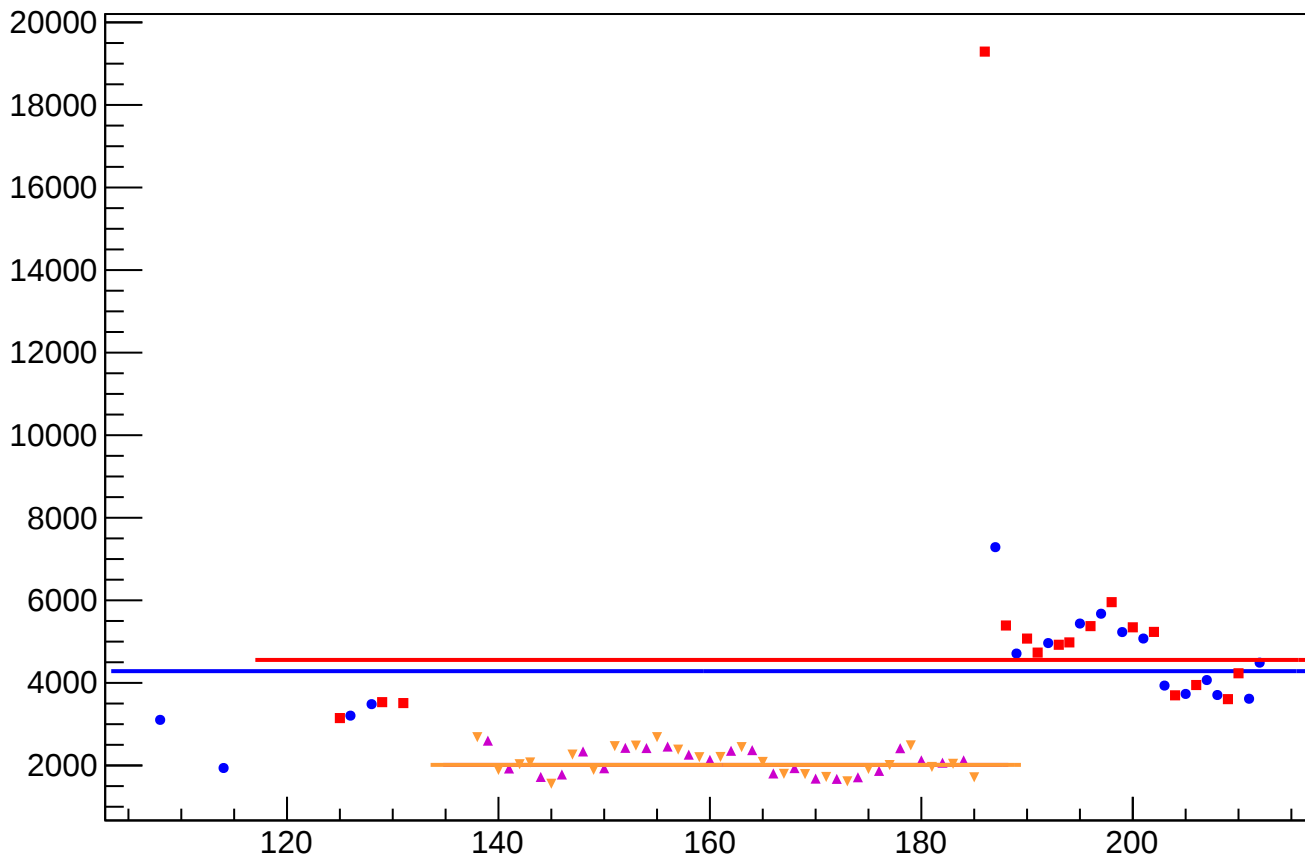
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2447.099 ± 450.805 χ^2/NDF : 62.8/41

All: -1680.940 ± 323.304 χ^2/NDF : 119.1/81

- sign -869.564 ± 463.918 χ^2/NDF : 50.4/39

asym_sam4_correction_rms vs Slug



Right In: 4284.487+/-1.005 χ^2/NDF : 652580.2/16

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4556.352+/-1.068 χ^2/NDF : 947988.5/16

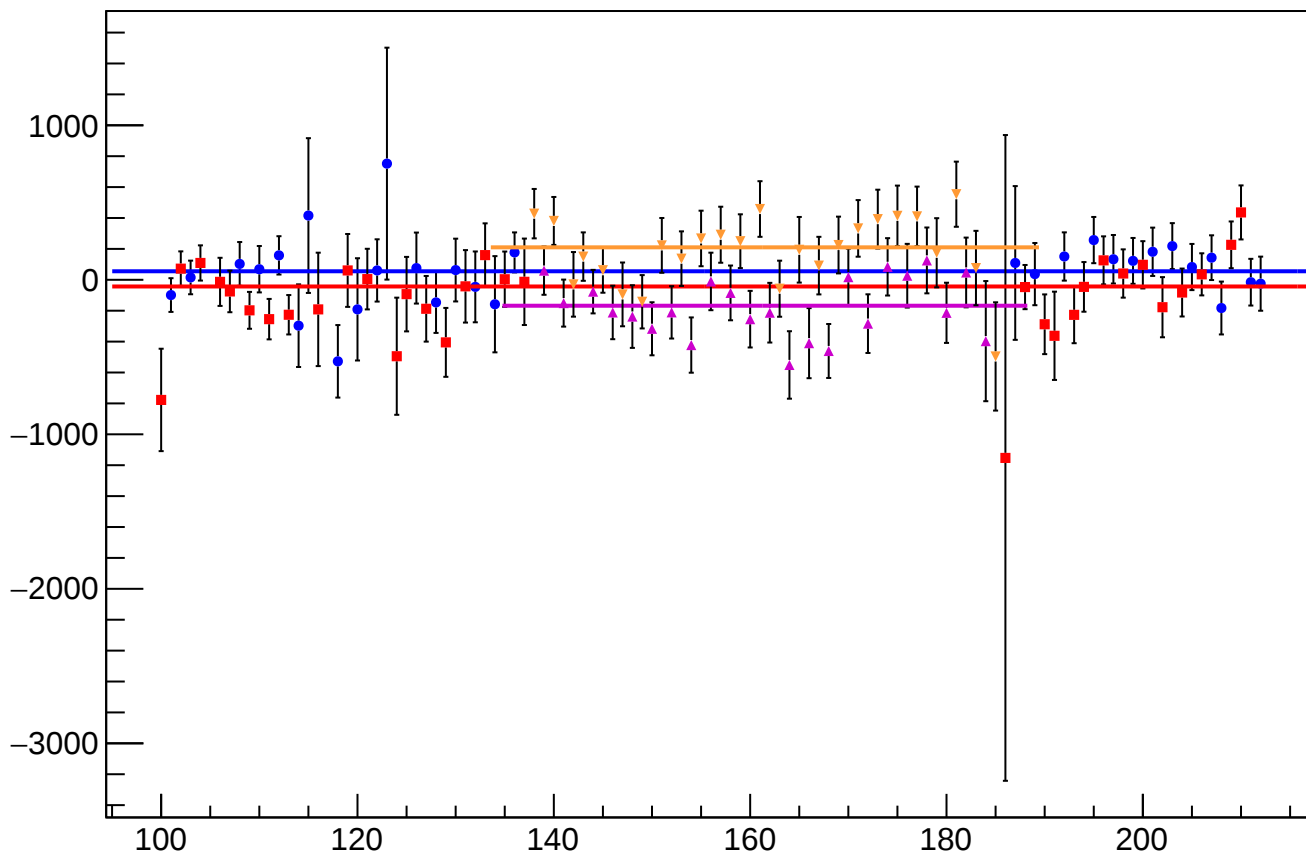
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2242.391+/-0.319 χ^2/NDF : 6076063.8/41

All: 2247.548+/-0.229 χ^2/NDF : 12818696.2/8

- sign 2253.008+/-0.328 χ^2/NDF : 6742093.7/39

reg_asym_sam5_mean vs Slug



Right In: 55.185 ± 30.908 χ^2/NDF : 22.7/29

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -43.242 ± 29.668 χ^2/NDF : 38.2/32

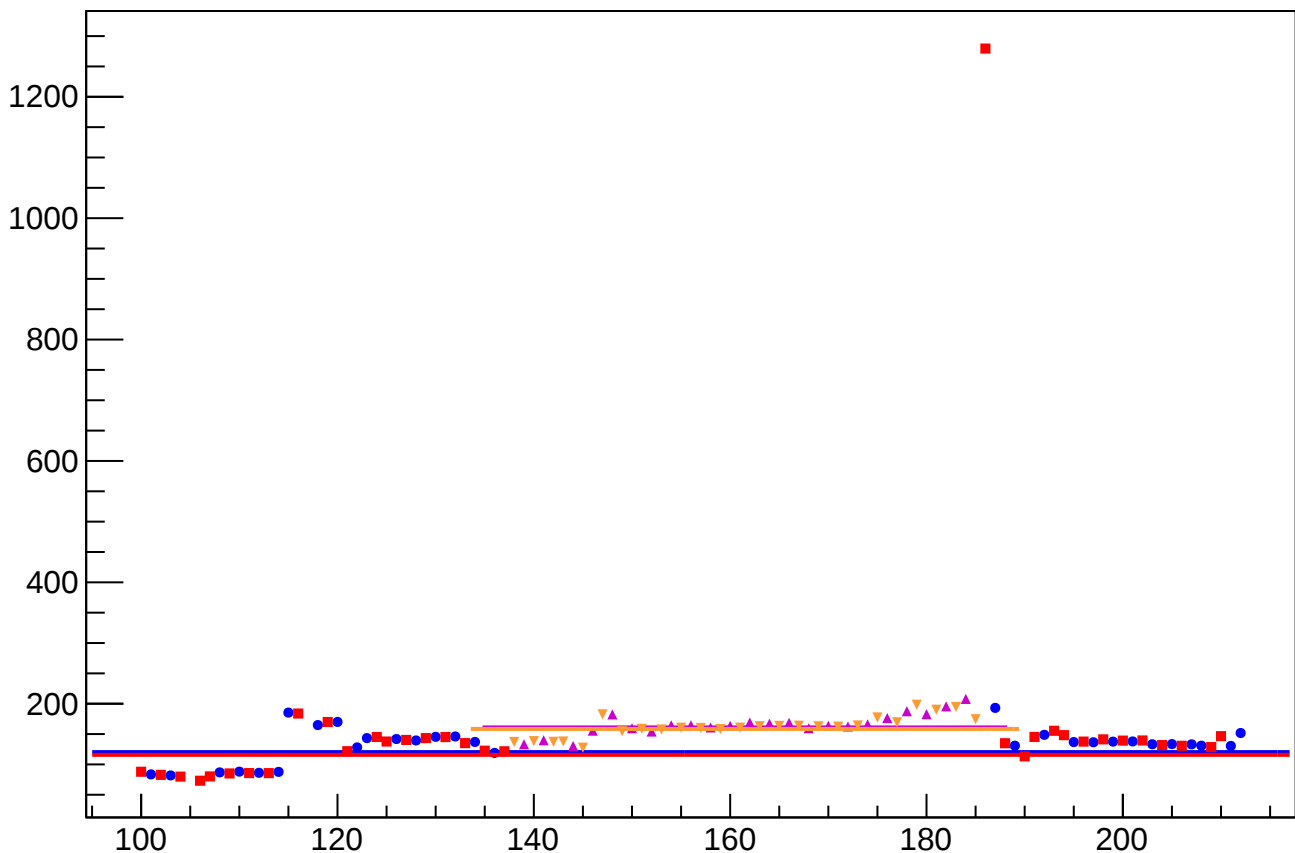
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 118.661 ± 23.745 χ^2/NDF : 60.5/54

All: 13.804 ± 16.721 χ^2/NDF : 165.0/110

- sign -89.329 ± 23.549 χ^2/NDF : 65.9/55

reg_asym_sam5_rms vs Slug



Right In: 120.269+/-0.022 χ^2/NDF : 1455173.0/29

Left Out: 158.440+/-0.026 χ^2/NDF : 434300.9/24

Right Out: 115.760+/-0.021 χ^2/NDF : 2483082.2/32

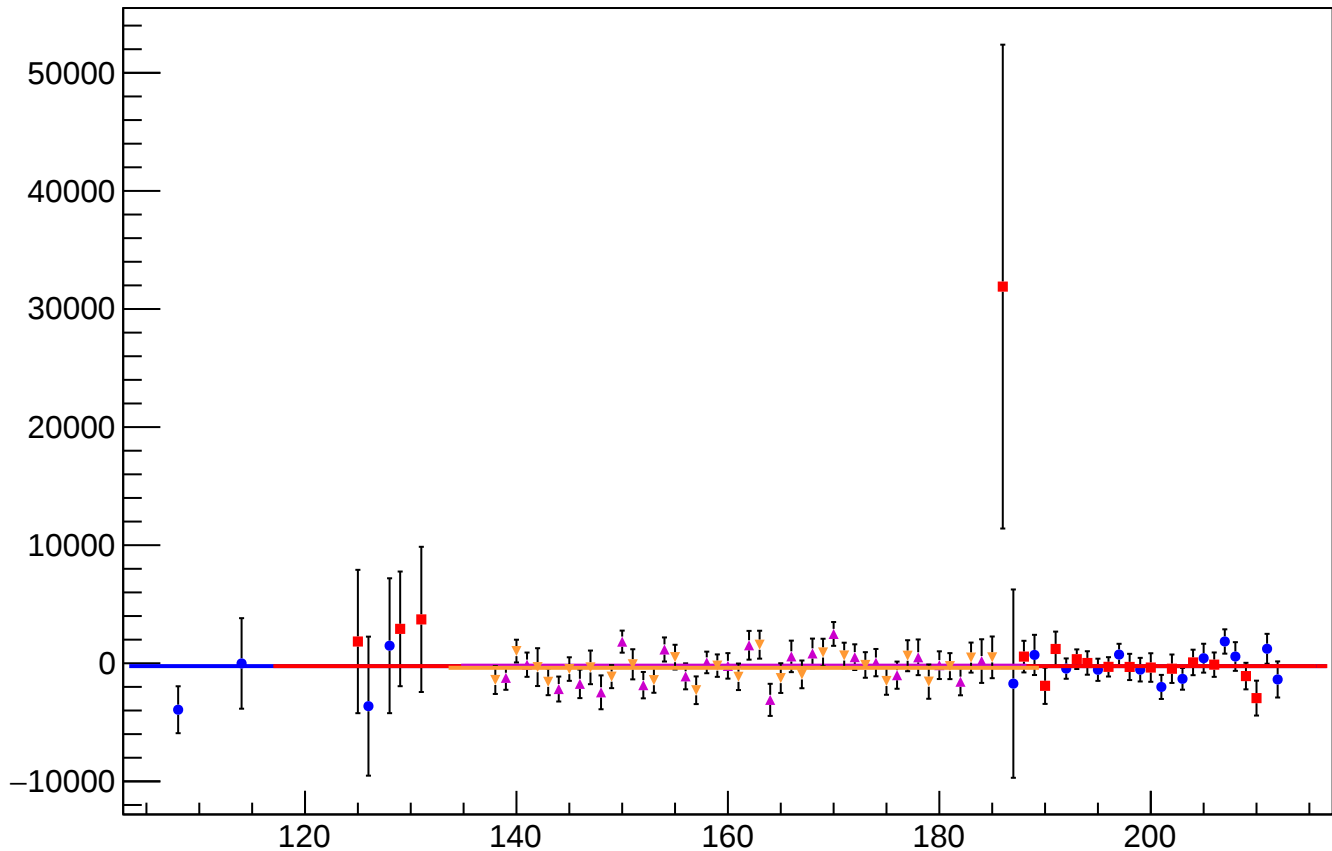
Left In: 160.947+/-0.027 χ^2/NDF : 379713.4/22

+ sign 135.911+/-0.017 χ^2/NDF : 3139509.1/54

All: 134.180+/-0.012 χ^2/NDF : 7739788.4/110

- sign 132.477+/-0.017 χ^2/NDF : 4579188.5/55

asym_sam5_correction_mean vs Slug



Right In: -240.477+/-302.742 χ^2/NDF : 16.7/16

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: -241.664+/-305.340 χ^2/NDF : 10.6/16

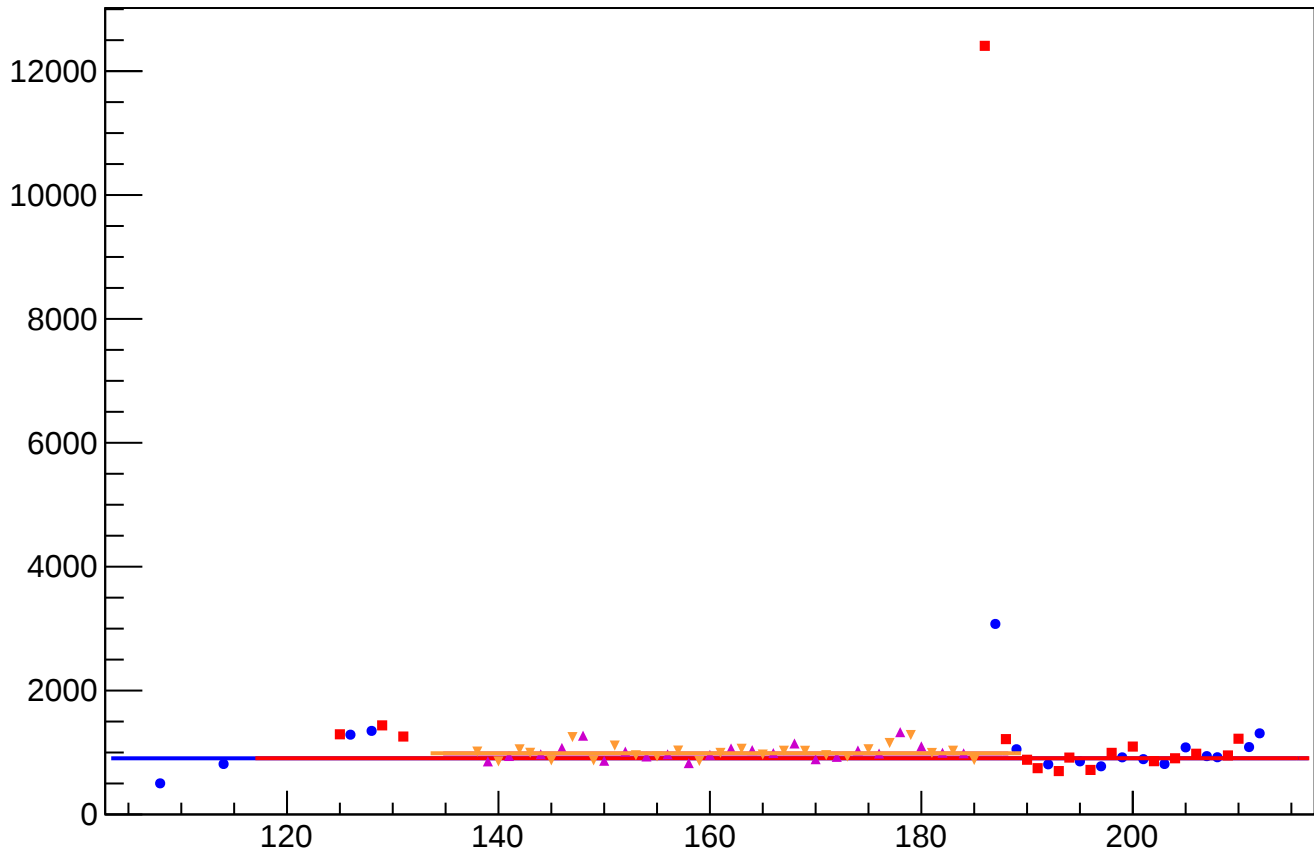
Left In: -202.234+/-237.460 χ^2/NDF : 35.5/22

+ sign -331.589+/-184.063 χ^2/NDF : 34.9/41

All: -275.384+/-131.332 χ^2/NDF : 81.2/81

- sign -217.094+/-187.447 χ^2/NDF : 46.1/39

asym_sam5_correction_rms vs Slug



Right In: 906.467 $\pm$ 0.214 χ^2 /NDF: 583725.9/16

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 907.639 $\pm$ 0.216 χ^2 /NDF: 1198399.7/16

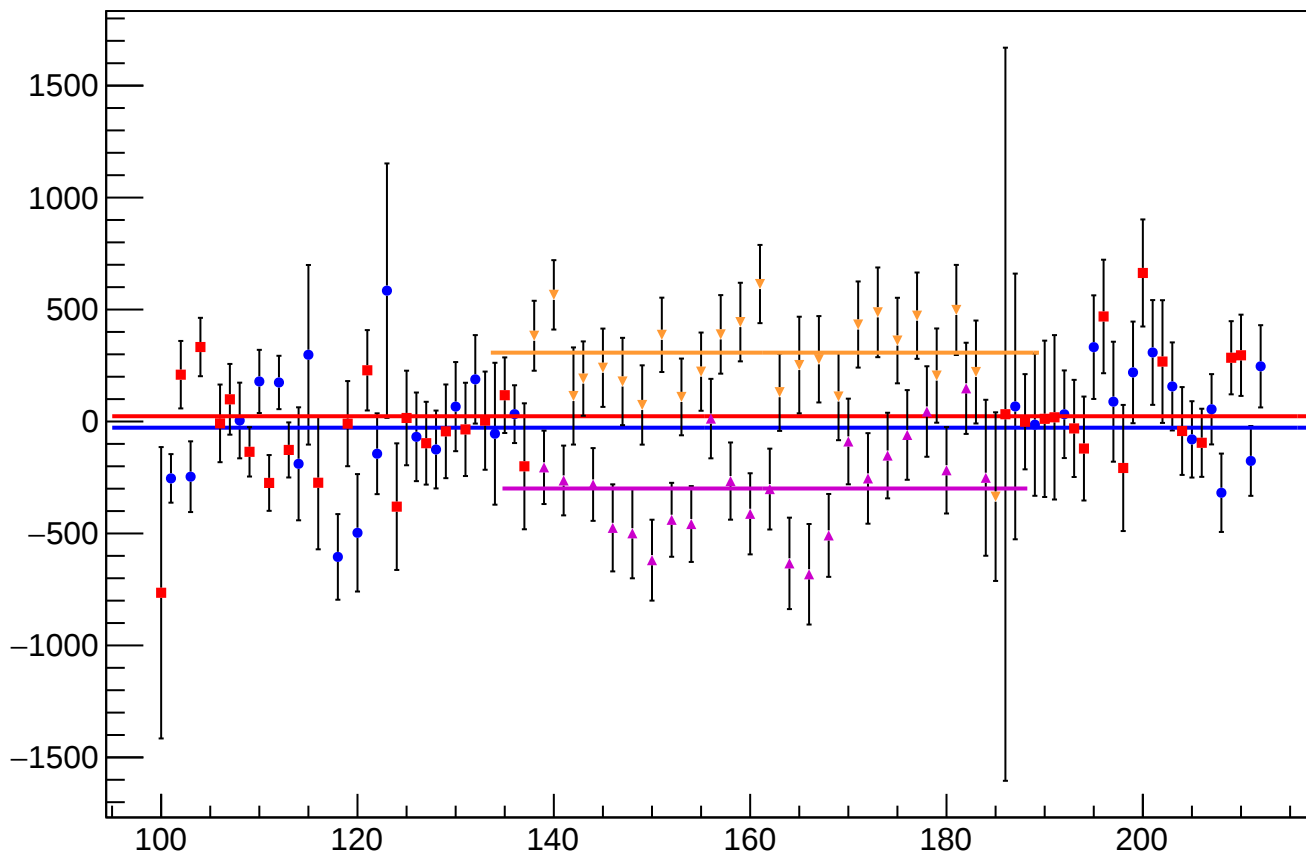
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 957.779 $\pm$ 0.130 χ^2 /NDF: 1051829.1/41

All: 956.491 $\pm$ 0.093 χ^2 /NDF: 2744419.4/81

- sign 955.155 $\pm$ 0.133 χ^2 /NDF: 1692390.8/39

reg_asym_sam6_mean vs Slug



Right In: -27.629 ± 33.876 $\chi^2/\text{NDF}: 41.4/29$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: 23.499 ± 33.079 $\chi^2/\text{NDF}: 41.8/32$

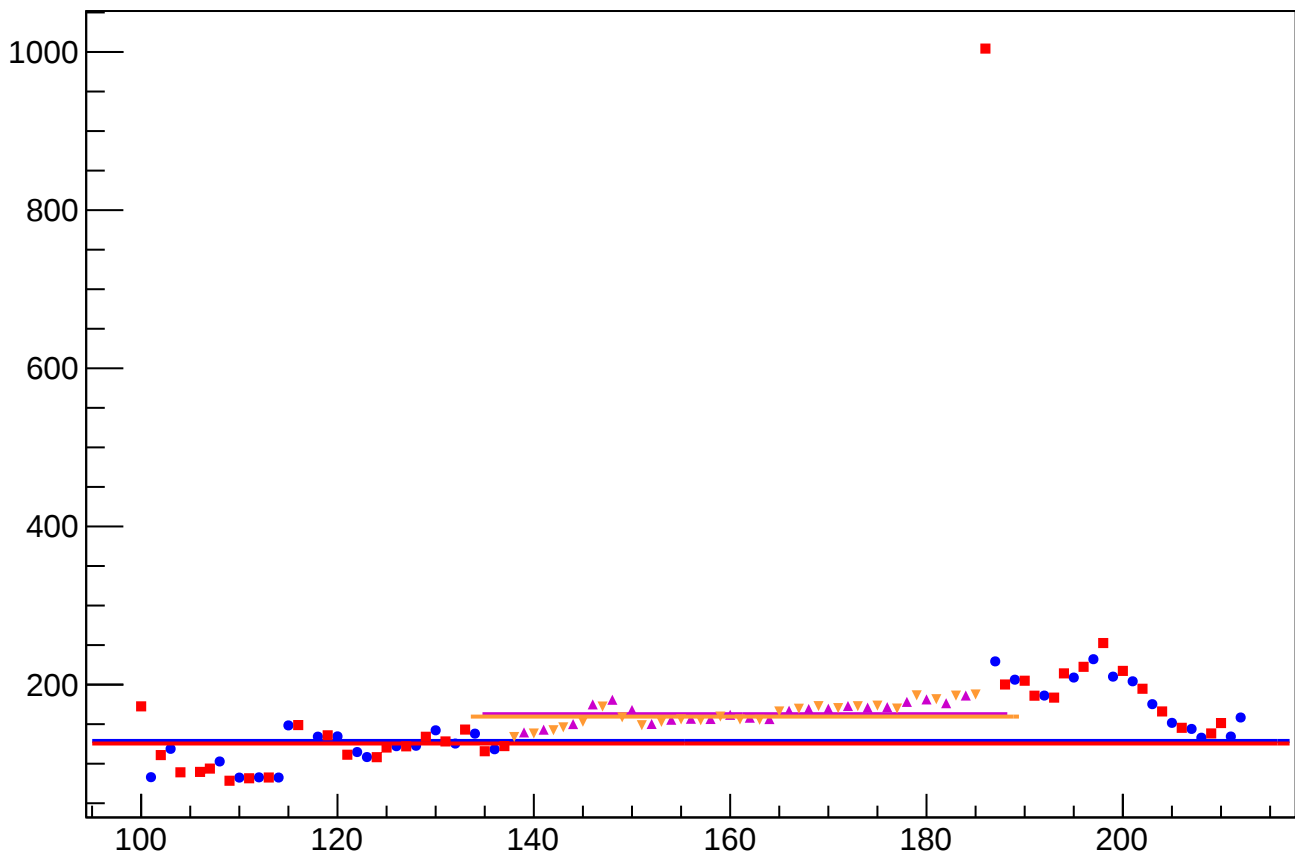
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 123.944 ± 25.070 $\chi^2/\text{NDF}: 106.4/54$

All: 6.975 ± 17.783 $\chi^2/\text{NDF}: 260.3/110$

- sign -111.482 ± 25.229 $\chi^2/\text{NDF}: 110.1/55$

reg_asym_sam6_rms vs Slug



Right In: 128.774+/-0.024 χ^2/NDF : 2618744.6/29

Left Out: 159.568+/-0.026 χ^2/NDF : 287744.2/24

Right Out: 125.535+/-0.023 χ^2/NDF : 3982944.4/32

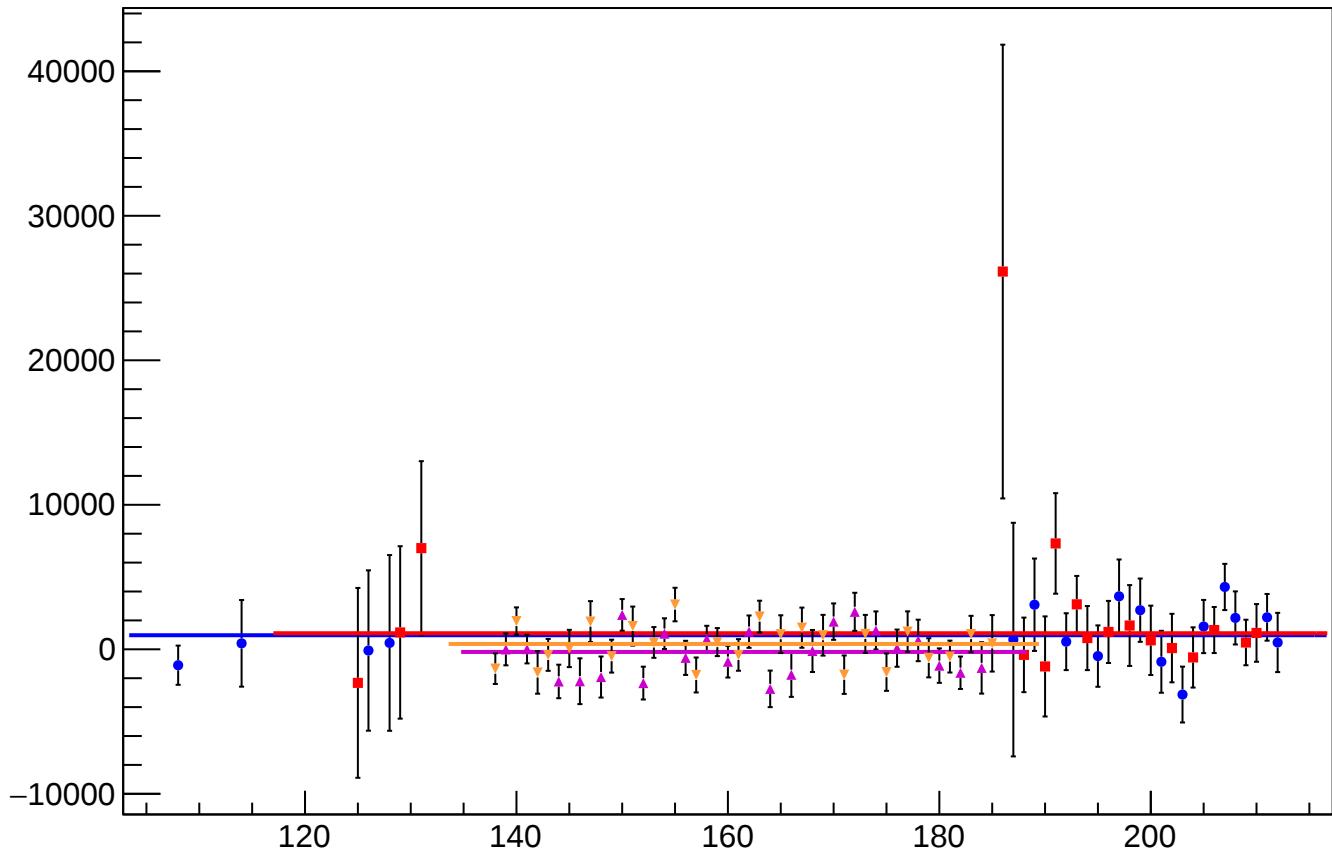
Left In: 162.606+/-0.028 χ^2/NDF : 199542.3/22

+ sign 142.702+/-0.018 χ^2/NDF : 3653988.9/54

All: 141.877+/-0.013 χ^2/NDF : 8891541.7/110

- sign 141.042+/-0.018 χ^2/NDF : 5233192.9/55

asym_sam6_correction_mean vs Slug



Right In: 973.947 ± 515.831 χ^2/NDF : 15.9/16

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: 1112.821 ± 593.881 χ^2/NDF : 9.9/16

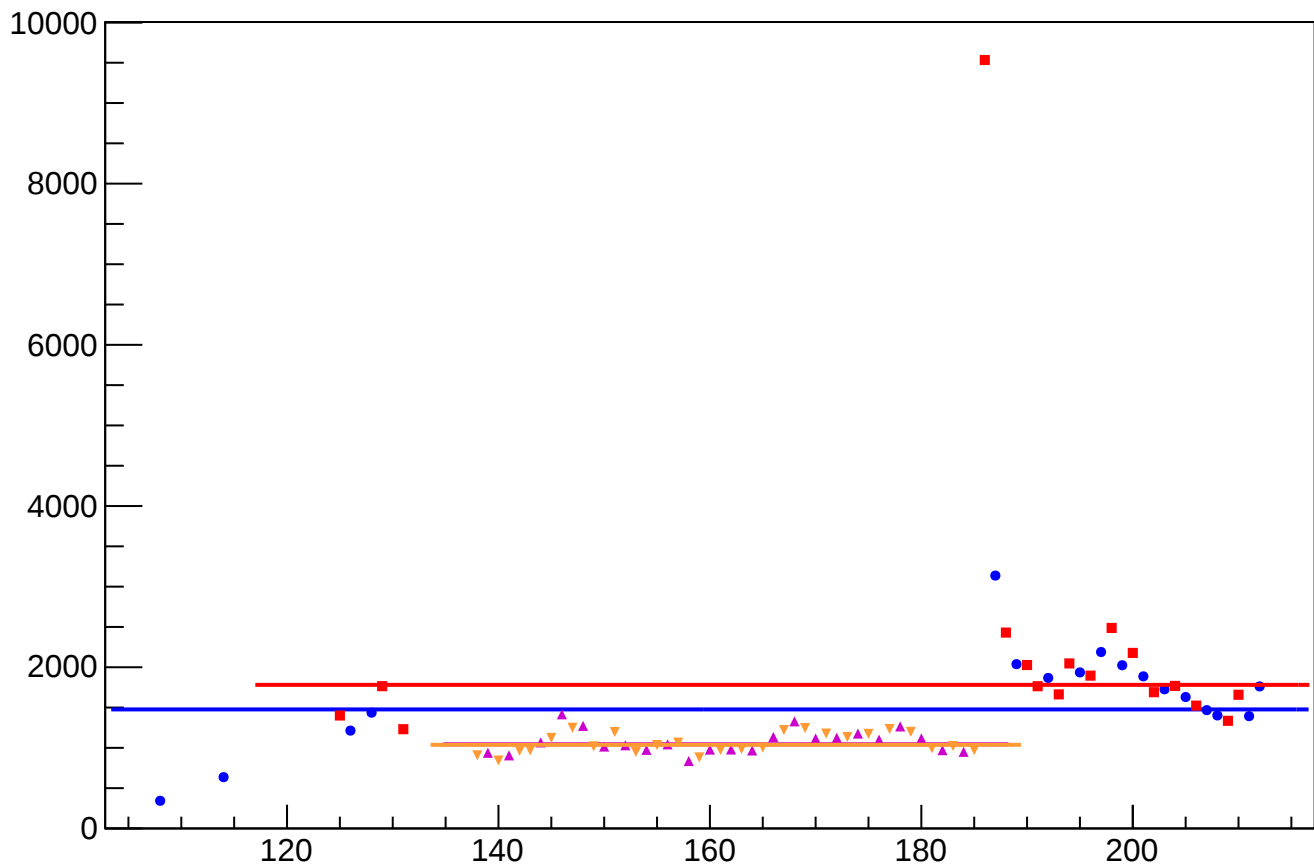
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 480.072 ± 220.214 χ^2/NDF : 47.5/41

All: 259.815 ± 159.778 χ^2/NDF : 100.0/81

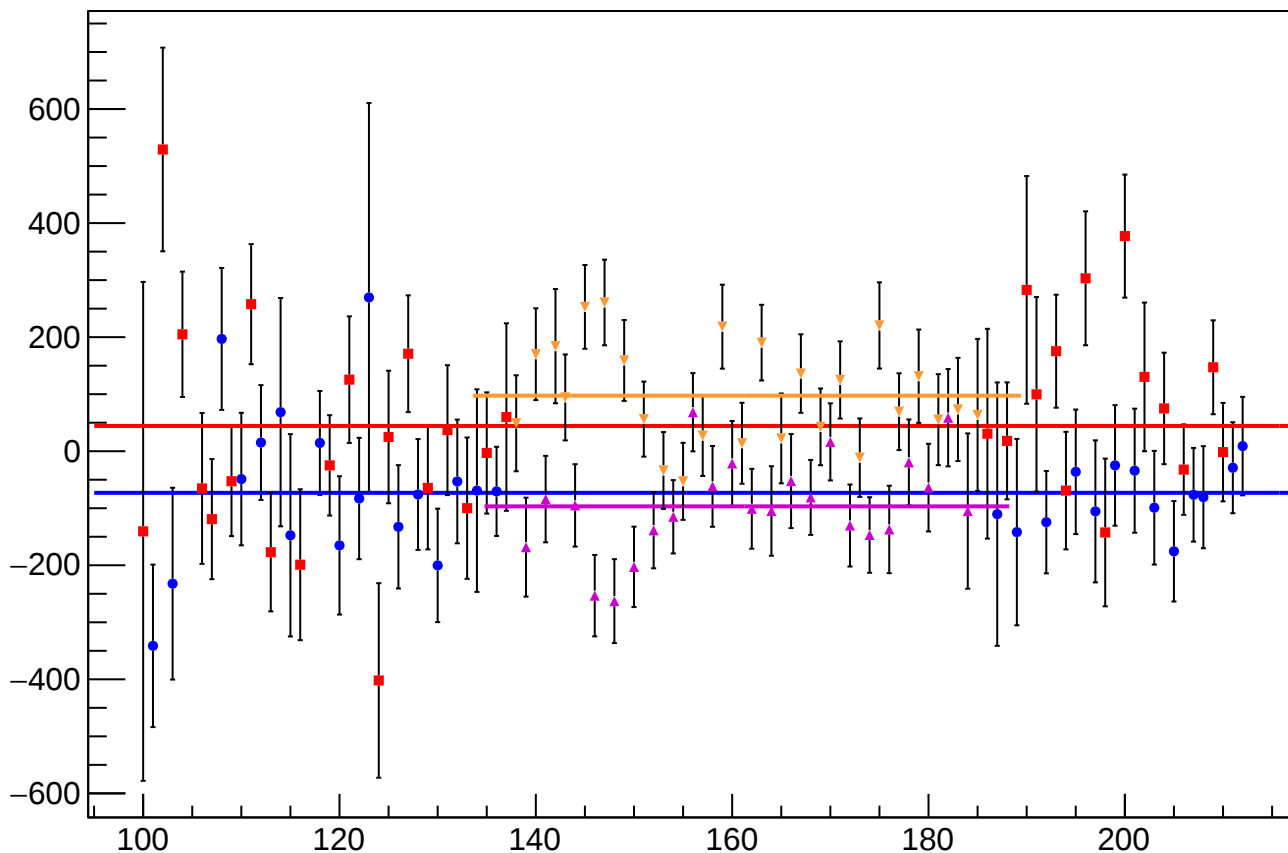
- sign 14.971 ± 232.181 χ^2/NDF : 50.4/39

asym_sam6_correction_rms vs Slug



Right In: 1476.737+/-0.365	χ^2/NDF : 2326359.1/16	+ sign 1117.707+/-0.156	χ^2/NDF : 4006173.3/41
Left Out: 1037.689+/-0.172	χ^2/NDF : 494981.4/24	All: 1136.478+/-0.113	χ^2/NDF : 8281680.4/83
Right Out: 1781.430+/-0.420	χ^2/NDF : 1094412.9/16	- sign 1157.345+/-0.164	χ^2/NDF : 4244820.9/39
Left In: 1044.746+/-0.178	χ^2/NDF : 543315.5/22		

reg_asym_sam7_mean vs Slug



Right In: -72.959 ± 19.867 $\chi^2/\text{NDF}: 18.8/29$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 44.275 ± 19.666 $\chi^2/\text{NDF}: 62.3/32$

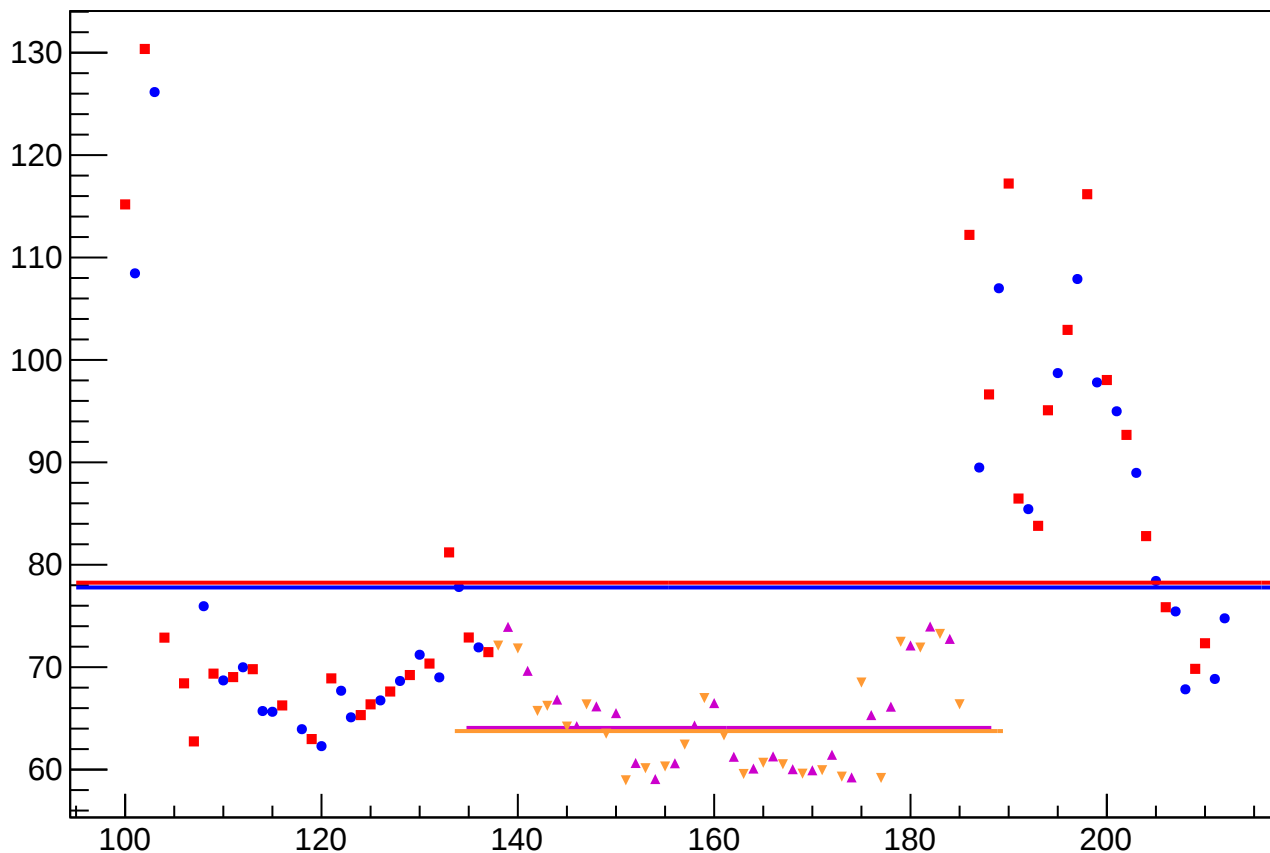
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 36.208 ± 11.910 $\chi^2/\text{NDF}: 102.0/54$

All: -2.858 ± 8.491 $\chi^2/\text{NDF}: 247.3/110$

- sign -43.247 ± 12.110 $\chi^2/\text{NDF}: 123.5/55$

reg_asym_sam7_rms vs Slug



Right In: 77.782 $\pm$ 0.014 χ^2 /NDF: 945513.0/29

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF:192803.8/24

Right Out: 78.251 $\pm$ 0.014 χ^2 /NDF: 1128630.8/32

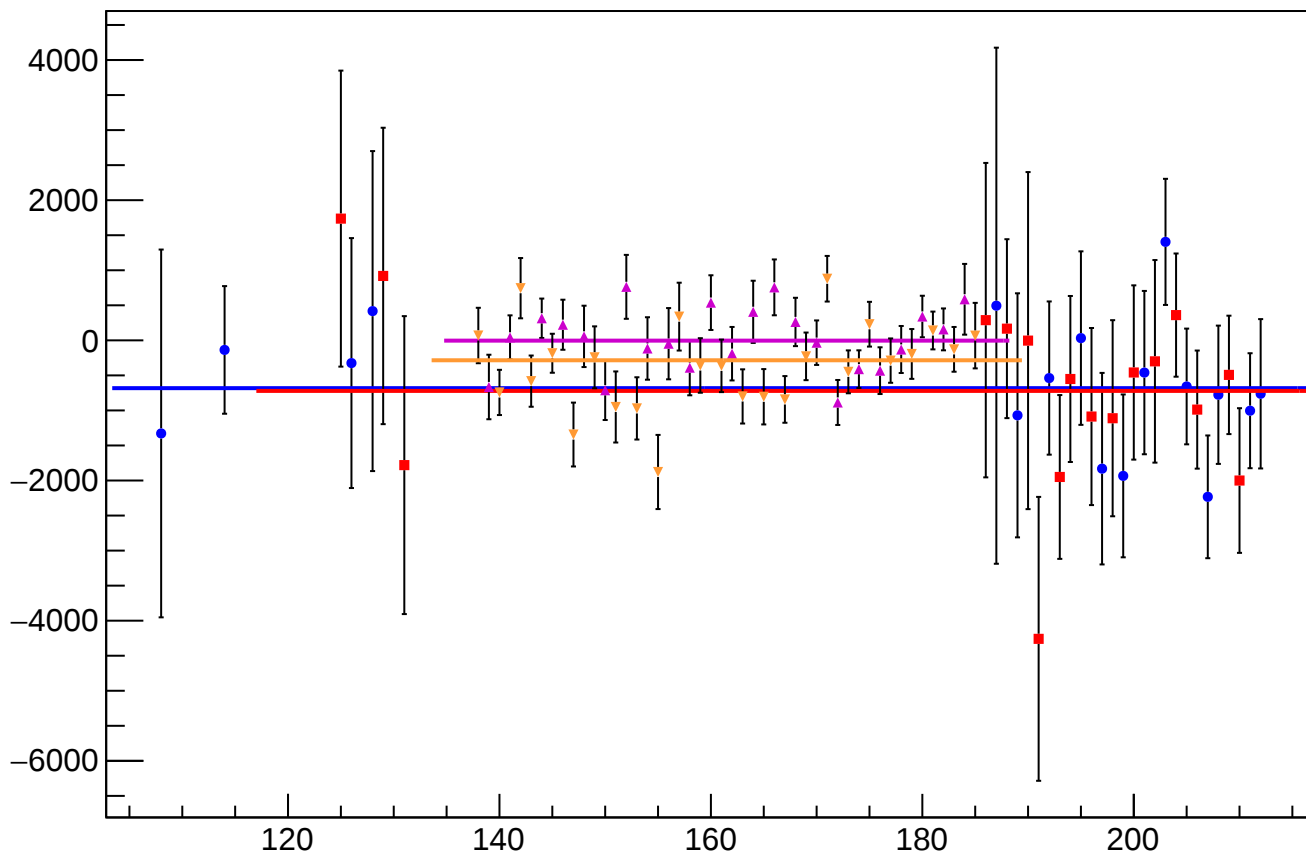
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF:164660.4/22

+ sign 68.800 $\pm$ 0.008 χ^2 /NDF: 1776457.4/54

All: 69.118 $\pm$ 0.006 χ^2 /NDF: 3718374.3/110

- sign 69.446 $\pm$ 0.009 χ^2 /NDF: 1939019.4/55

asym_sam7_correction_mean vs Slug



Right In: -682.159 ± 275.611 $\chi^2/\text{NDF}: 11.8/16$

Left Out: -284.304 ± 72.732 $\chi^2/\text{NDF}: 55.1/24$

Right Out: -721.270 ± 306.440 $\chi^2/\text{NDF}: 10.7/16$

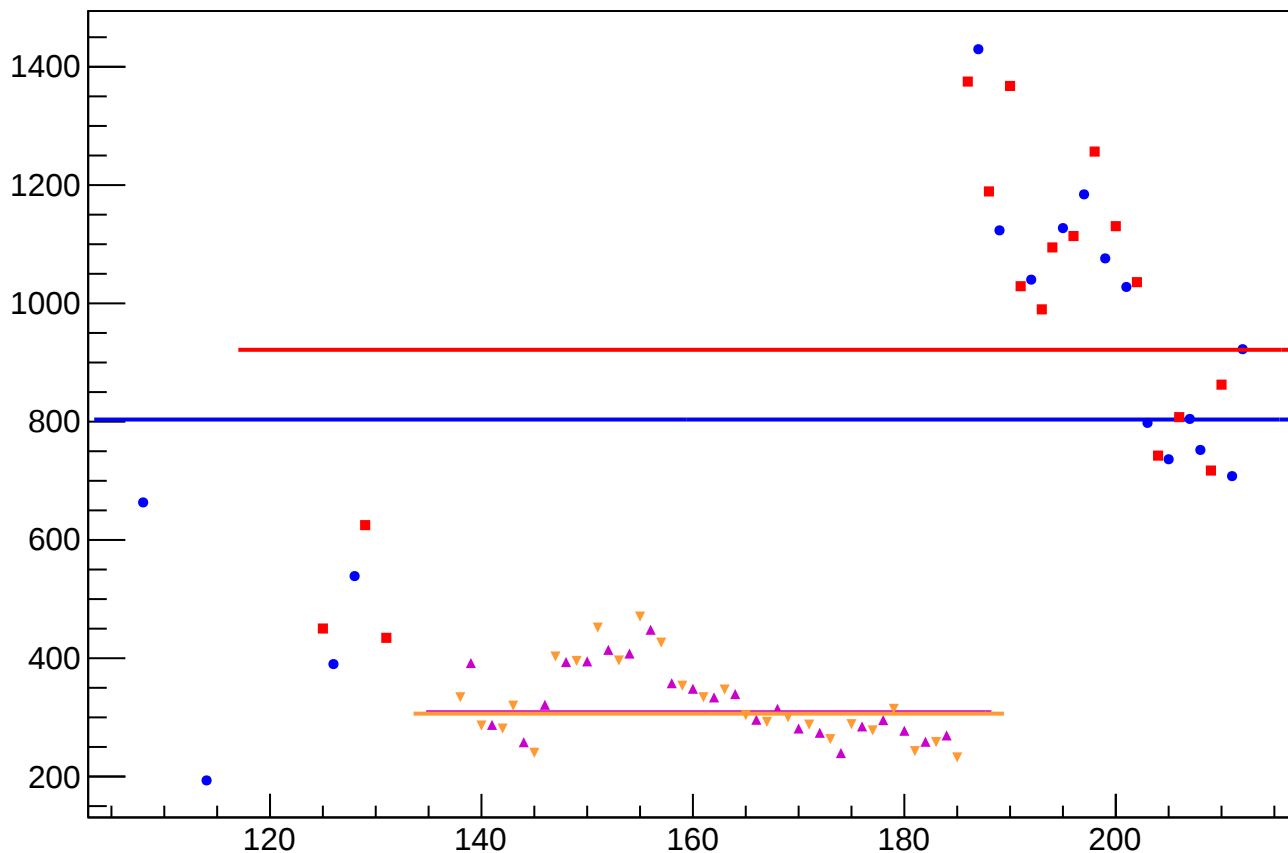
Left In: -4.037 ± 75.084 $\chi^2/\text{NDF}: 32.4/22$

+ sign -310.207 ± 70.325 $\chi^2/\text{NDF}: 68.8/41$

All: -182.254 ± 50.622 $\chi^2/\text{NDF}: 123.9/81$

- sign -44.657 ± 72.927 $\chi^2/\text{NDF}: 48.2/39$

asym_sam7_correction_rms vs Slug



Right In: 803.607 $\pm$ 0.195 χ^2 /NDF: 1804177.4/16

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF:1215669.9/24

Right Out: 921.501 $\pm$ 0.217 χ^2 /NDF: 1010507.6/16

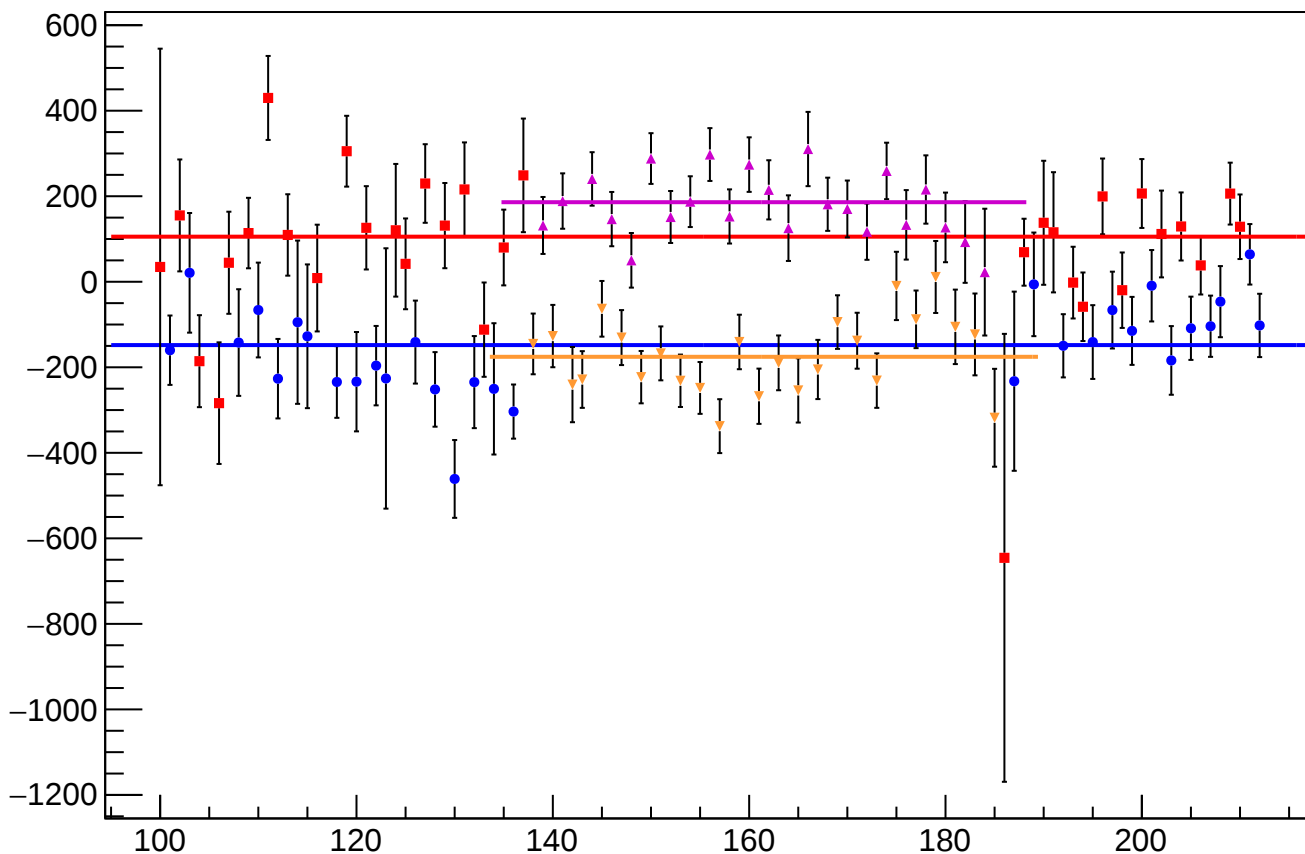
Left In: 308.727 $\pm$ 0.053 χ^2 /NDF:1002947.4/22

+ sign 338.737 $\pm$ 0.050 χ^2 /NDF: 9105938.3/41

All: 340.999 $\pm$ 0.036 χ^2 /NDF: 18668014.8/83

- sign 343.431 $\pm$ 0.052 χ^2 /NDF: 9557782.1/39

reg_asym_sam8_mean vs Slug



Right In: -148.065 ± 16.899 χ^2/NDF : 42.2/29

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 105.445 ± 17.015 χ^2/NDF : 57.0/32

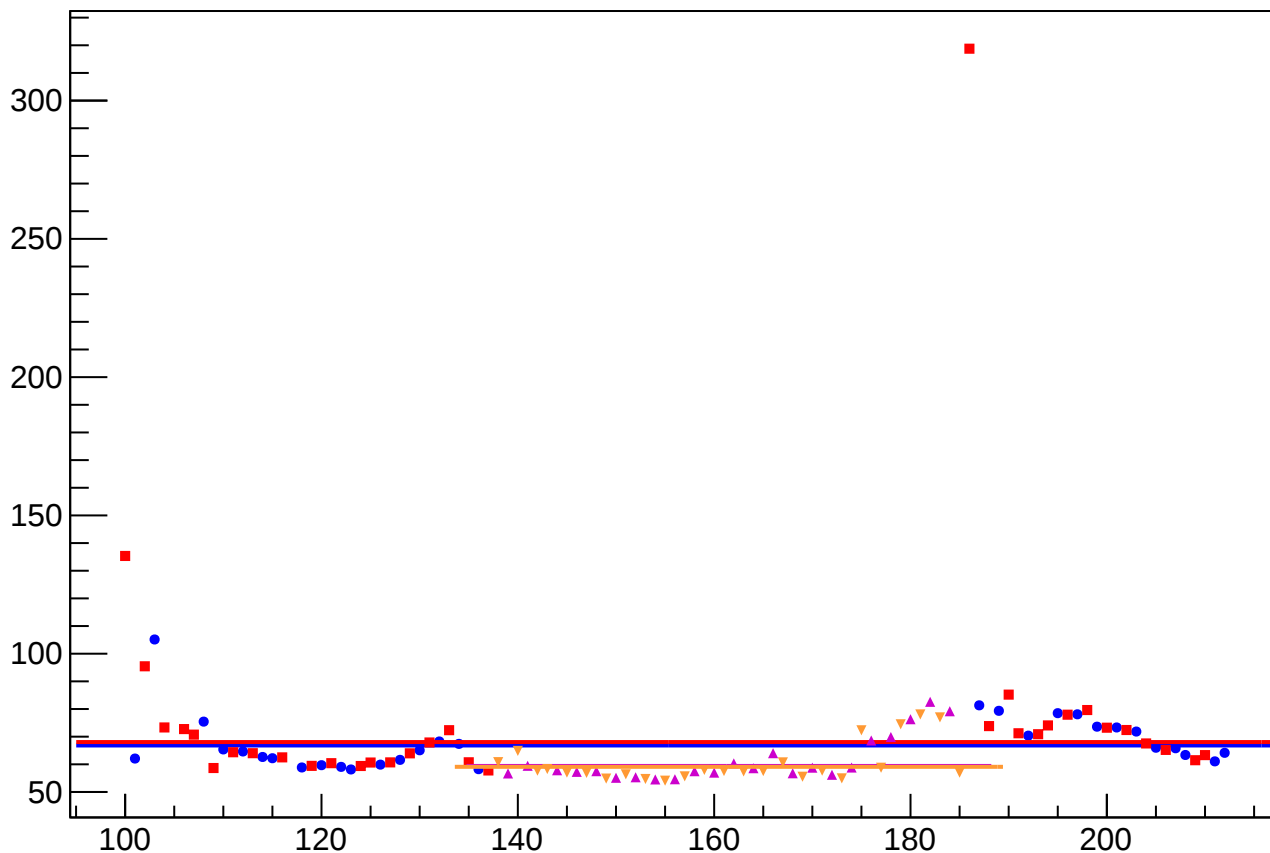
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -164.463 ± 10.710 χ^2/NDF : 78.4/54

All: -9.484 ± 7.658 χ^2/NDF : 600.6/110

- sign 152.640 ± 10.954 χ^2/NDF : 93.7/55

reg_asym_sam8_rms vs Slug



Right In: 66.814 $\pm$ 0.012 χ^2 /NDF: 424810.7/29

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 68.052 $\pm$ 0.012 χ^2 /NDF: 872374.2/32

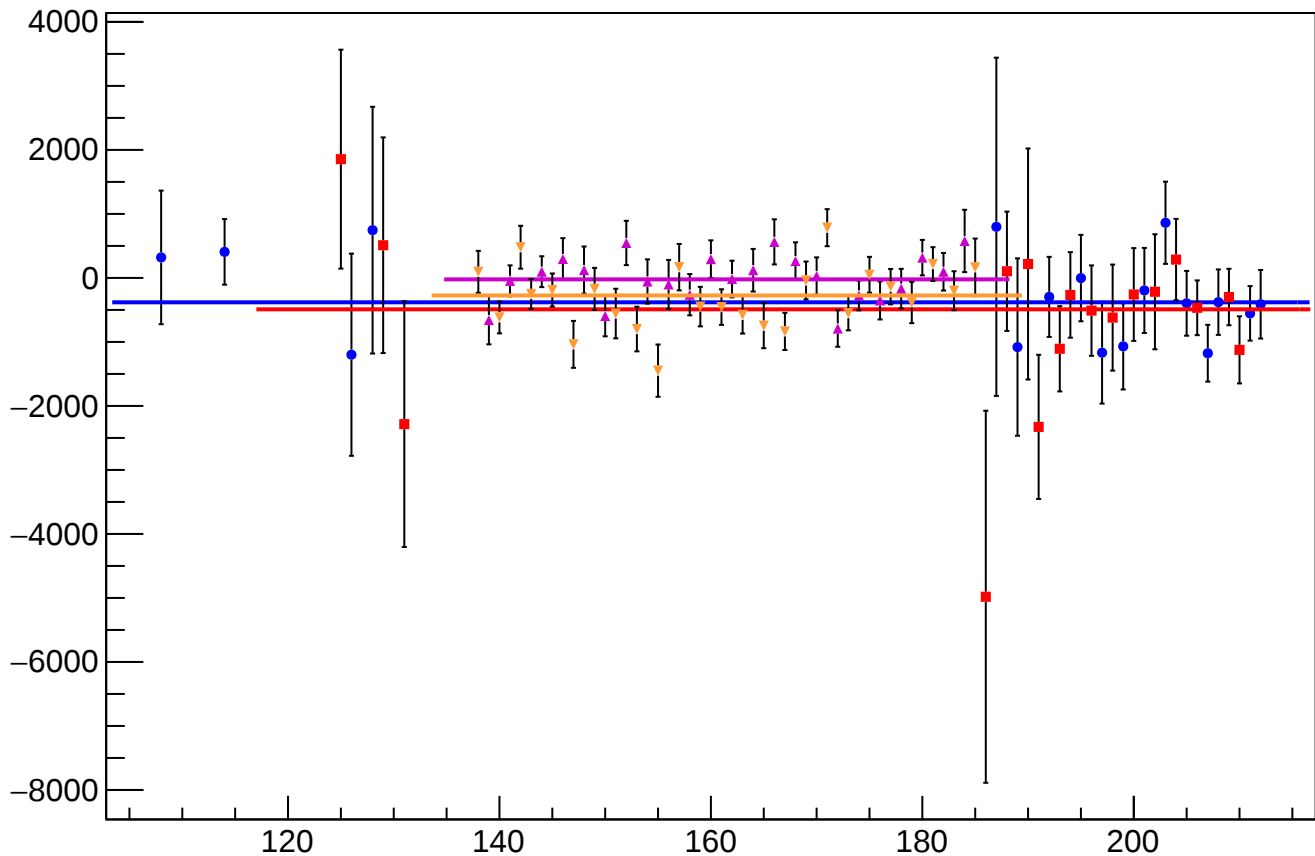
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 62.198 $\pm$ 0.008 χ^2 /NDF: 1043993.1/54

All: 62.586 $\pm$ 0.005 χ^2 /NDF: 2596895.3/110

- sign 62.992 $\pm$ 0.008 χ^2 /NDF: 1547526.2/55

asym_sam8_correction_mean vs Slug



Right In: -381.189 ± 155.990 χ^2/NDF : 13.5/16

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -490.622 ± 179.163 χ^2/NDF : 13.1/16

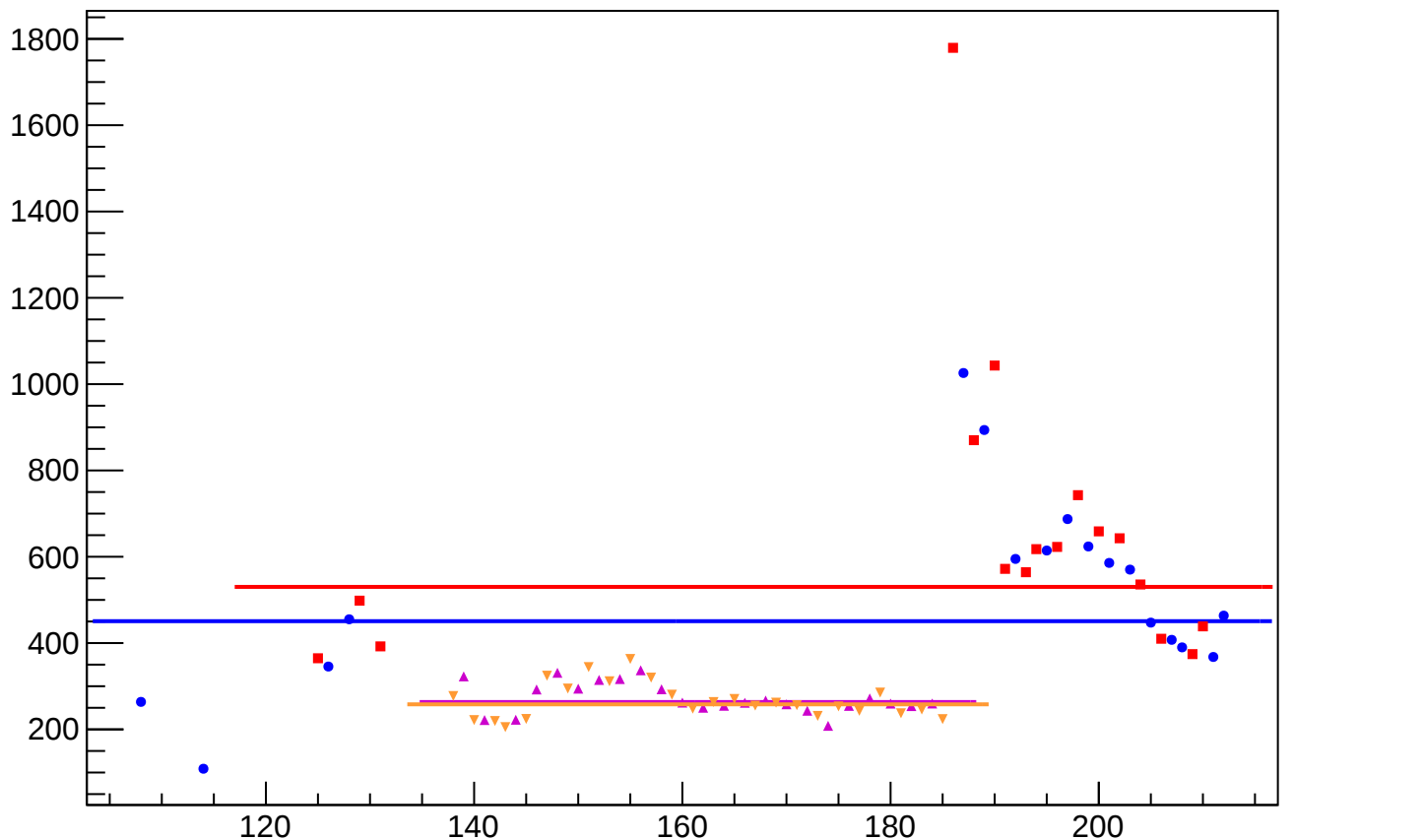
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -288.215 ± 56.648 χ^2/NDF : 67.8/41

All: -187.710 ± 41.181 χ^2/NDF : 122.5/81

- sign -75.067 ± 59.972 χ^2/NDF : 48.0/39

asym_sam8_correction_rms vs Slug



Right In: 450.744+/-0.110 χ^2/NDF : 2072422.7/16

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 530.187+/-0.127 χ^2/NDF : 1597894.9/16

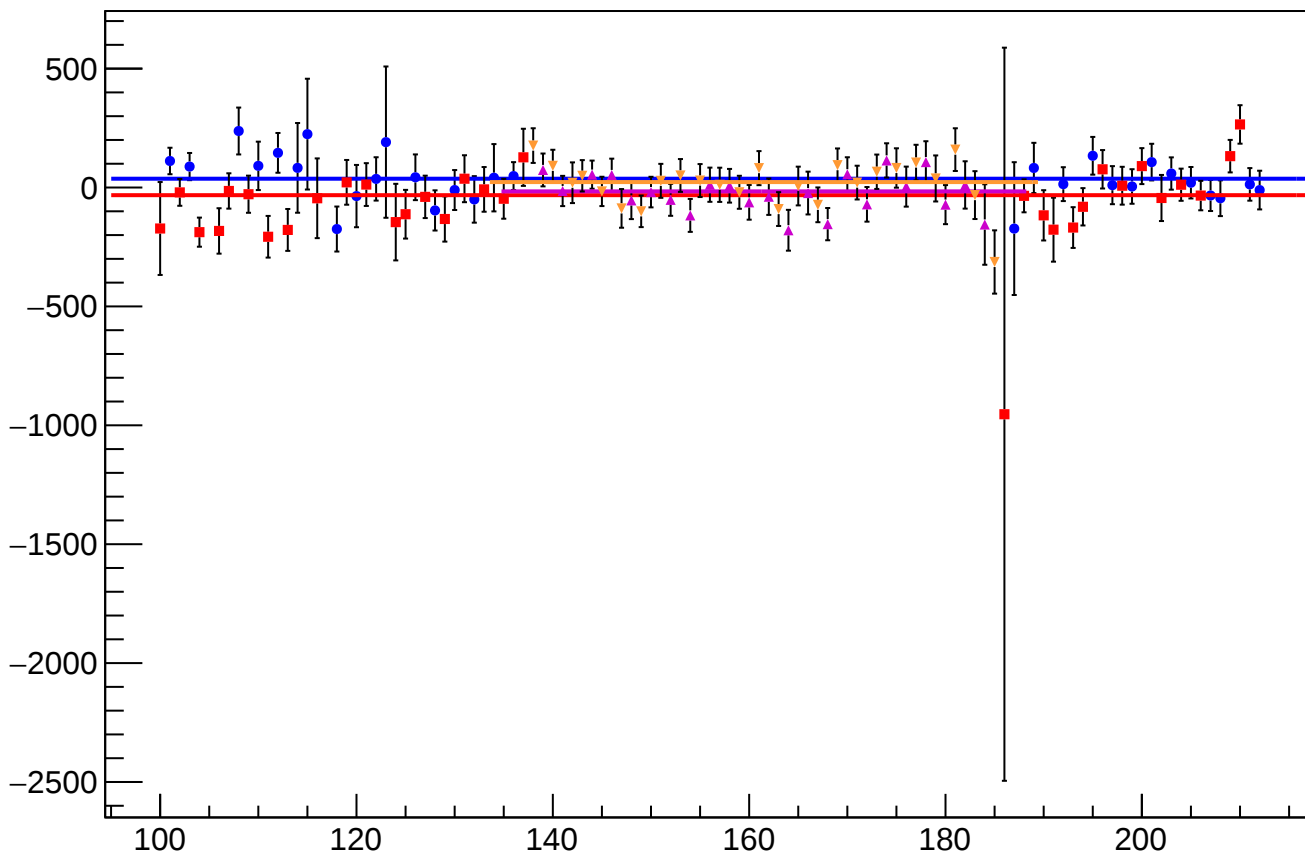
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 283.454+/-0.040 χ^2/NDF : 5446922.2/41

All: 288.092+/-0.029 χ^2/NDF : 11596738.7/83

- sign 293.289+/-0.042 χ^2/NDF : 6121388.2/39

reg_asym_sam_15_avg_mean vs Slug



Right In: 37.033 ± 15.168 χ^2/NDF : 25.1/29

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -32.199 ± 14.937 χ^2/NDF : 50.9/32

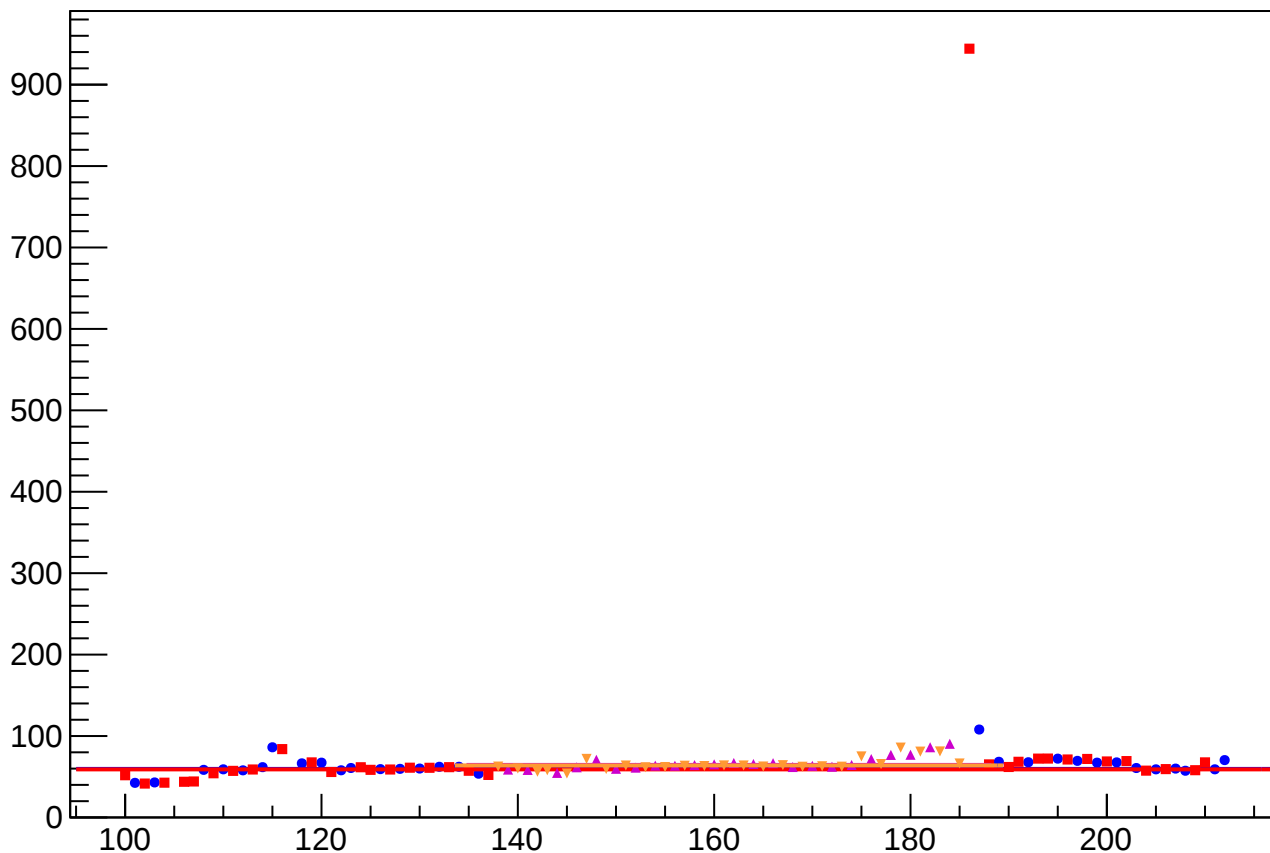
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 29.858 ± 10.654 χ^2/NDF : 54.5/54

All: 2.959 ± 7.573 χ^2/NDF : 142.2/110

- sign -24.510 ± 10.766 χ^2/NDF : 74.8/55

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.616 $\pm$ 0.011 χ^2 /NDF: 689090.6/29

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 59.036 $\pm$ 0.011 χ^2 /NDF: 1517728.4/32

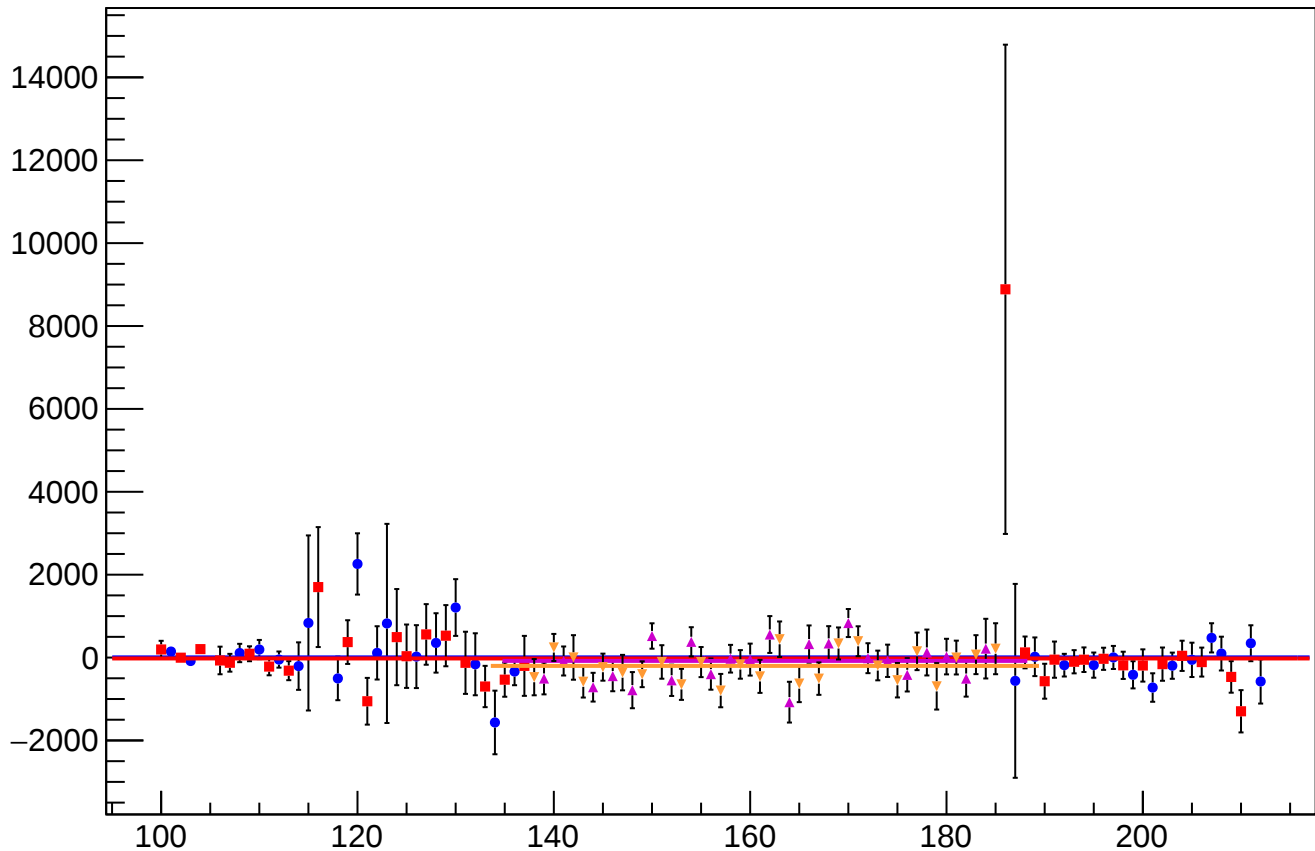
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.797 $\pm$ 0.008 χ^2 /NDF: 1166068.4/54

All: 61.732 $\pm$ 0.005 χ^2 /NDF: 3183551.3/110

- sign 61.667 $\pm$ 0.008 χ^2 /NDF: 2017336.1/55

asym_sam_15_avg_correction_mean vs Slug



Right In: 4.647 ± 45.905 χ^2/NDF : 35.4/29

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -21.686 ± 46.802 χ^2/NDF : 31.9/32

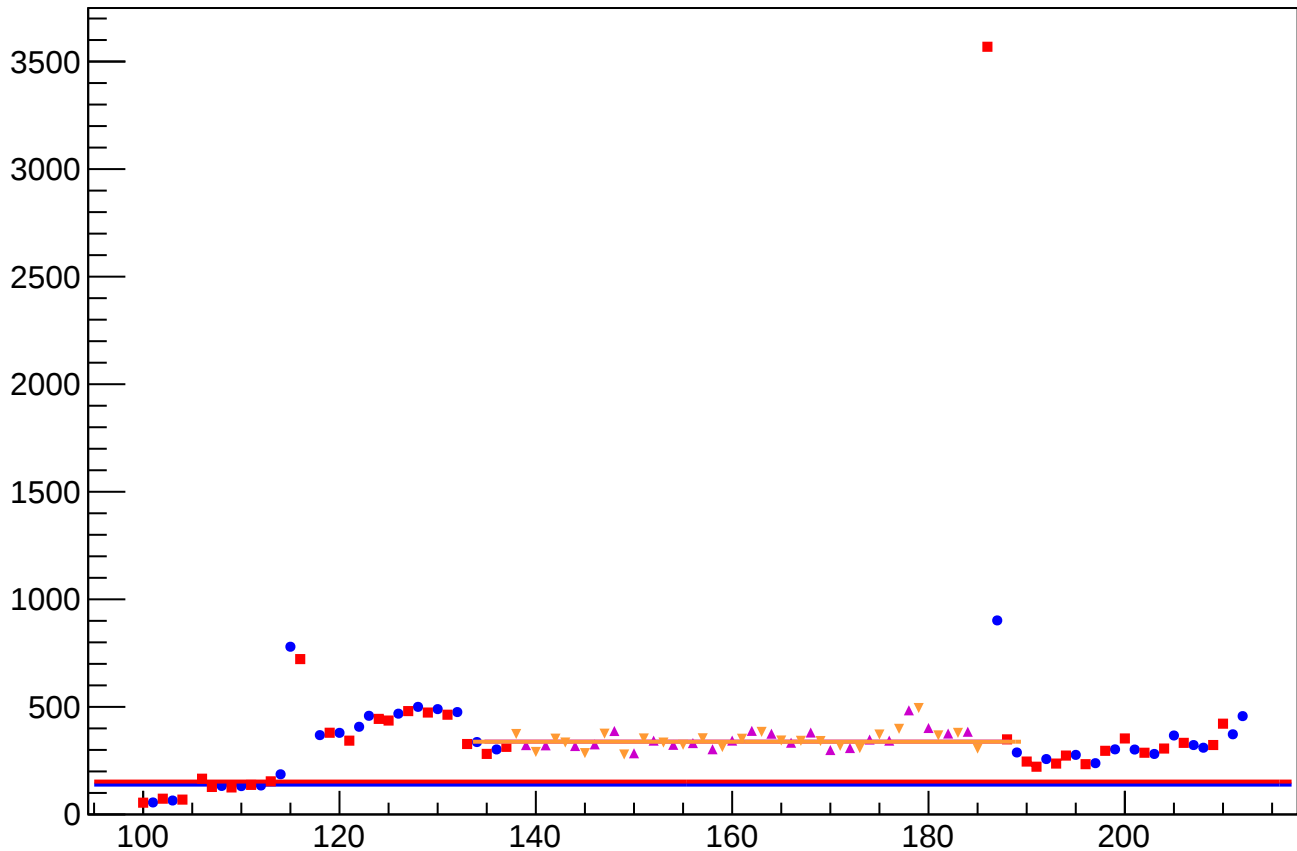
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -46.748 ± 39.760 χ^2/NDF : 60.0/54

All: -41.523 ± 28.414 χ^2/NDF : 125.8/110

- sign -36.069 ± 40.621 χ^2/NDF : 65.7/55

asym_sam_15_avg_correction_rms vs Slug



Right In: 138.736+/-0.032 χ^2/NDF : 12740557.9/29

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 152.865+/-0.033 χ^2/NDF : 11169046.3/32

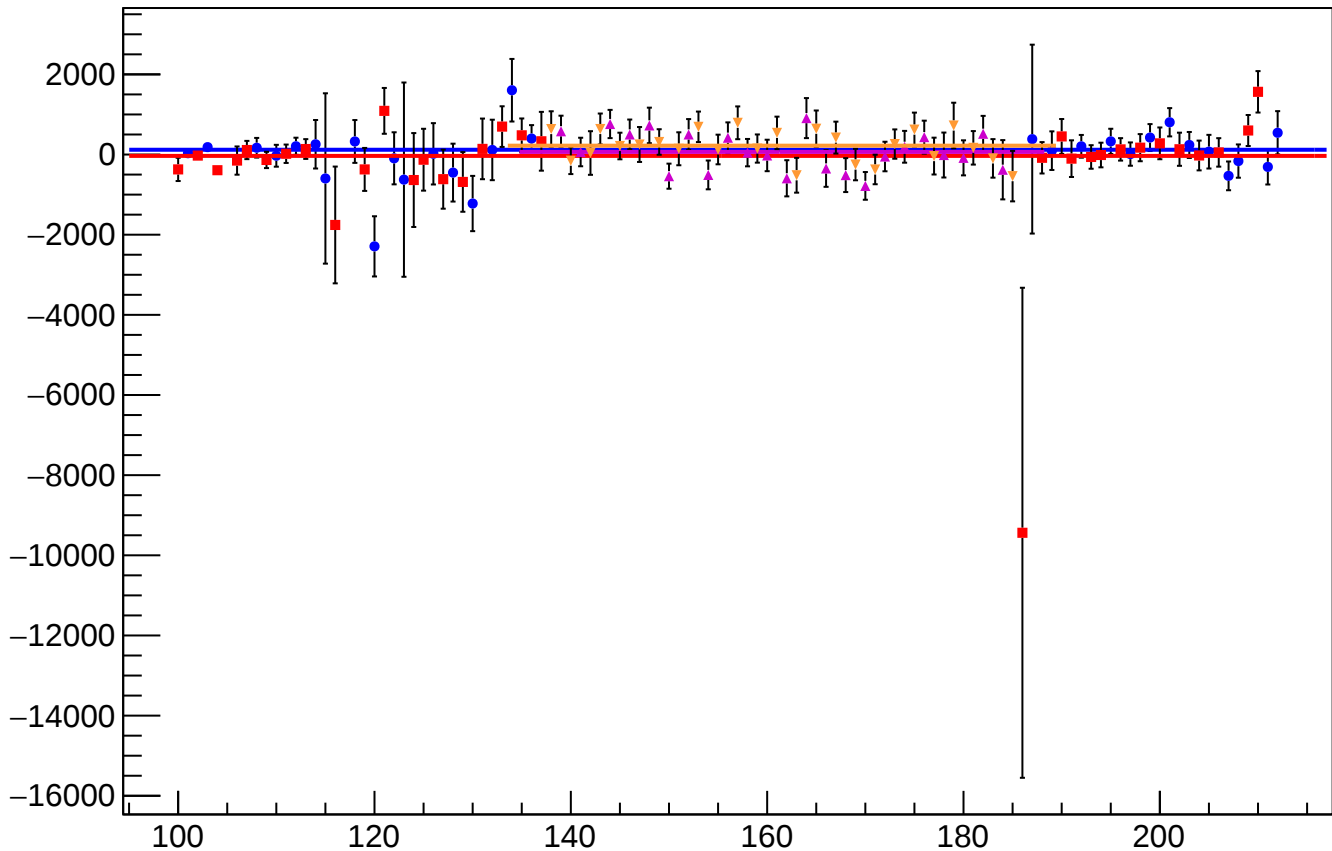
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 188.548+/-0.028 χ^2/NDF : 22665707.8/54

All: 193.505+/-0.020 χ^2/NDF : 42103466.2/11

- sign 198.679+/-0.029 χ^2/NDF : 19374227.6/55

asym_sam_15_avg_mean vs Slug



Right In: 119.481+/-53.947 χ^2/NDF : 31.8/29

Left Out: 221.083+/-81.018 χ^2/NDF : 19.7/24

Right Out: -33.783+/-52.136 χ^2/NDF : 40.1/32

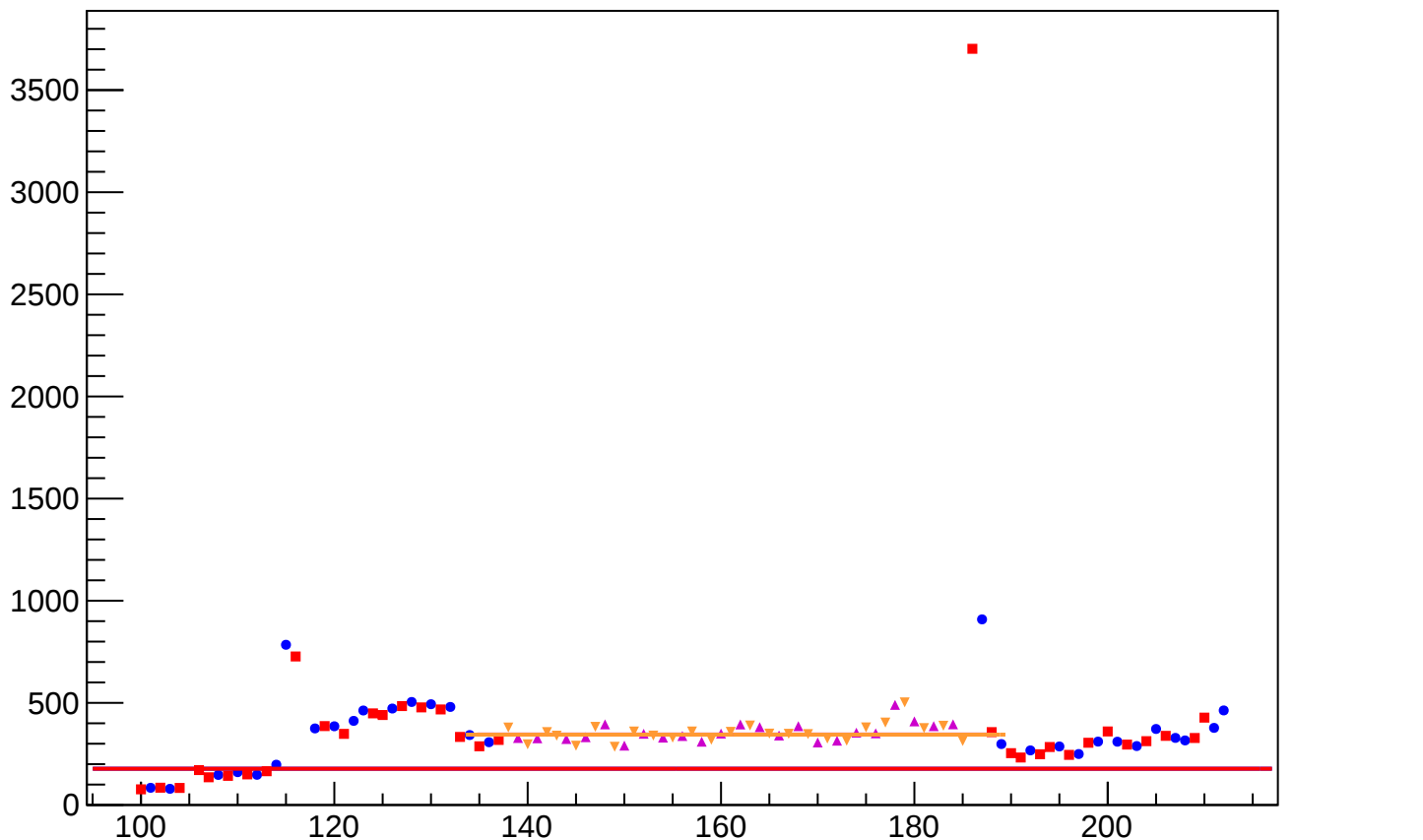
Left In: 65.510+/-83.319 χ^2/NDF : 34.0/22

+ sign 150.691+/-44.903 χ^2/NDF : 52.6/54

All: 71.181+/-31.499 χ^2/NDF : 133.9/110

- sign -5.844+/-44.196 χ^2/NDF : 75.1/55

asym_sam_15_avg_rms vs Slug



Right In: 177.700+/-0.038 χ^2/NDF : 9612316.0/29

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 177.536+/-0.037 χ^2/NDF : 9362204.5/32

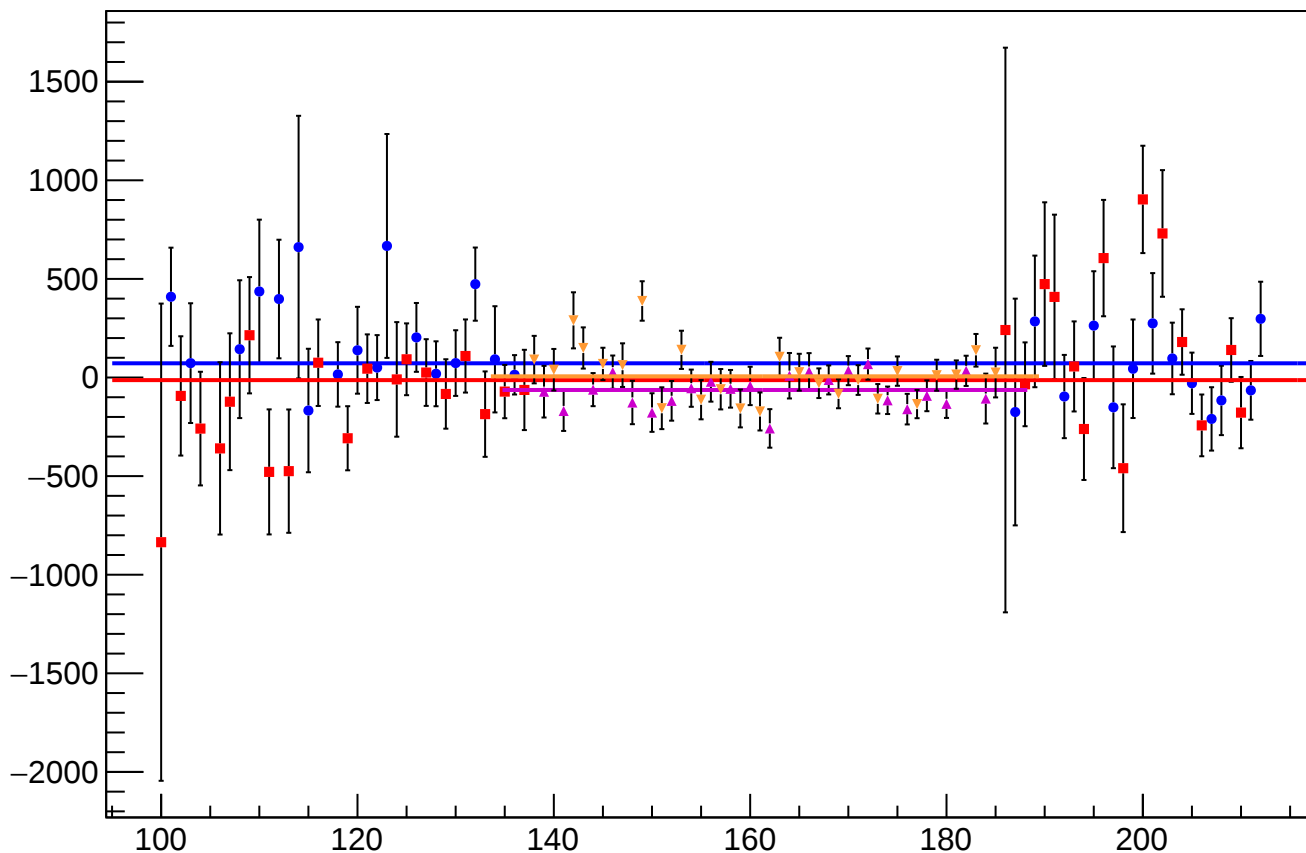
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 228.939+/-0.032 χ^2/NDF : 15974280.7/54

All: 226.769+/-0.022 χ^2/NDF : 31581931.2/11

- sign 224.667+/-0.031 χ^2/NDF : 15598458.3/55

reg_asym_sam_26_avg_mean vs Slug



Right In: 72.049 ± 37.300 χ^2/NDF : 22.3/29

Left Out: 6.020 ± 17.910 χ^2/NDF : 46.0/24

Right Out: -13.261 ± 38.986 χ^2/NDF : 44.0/32

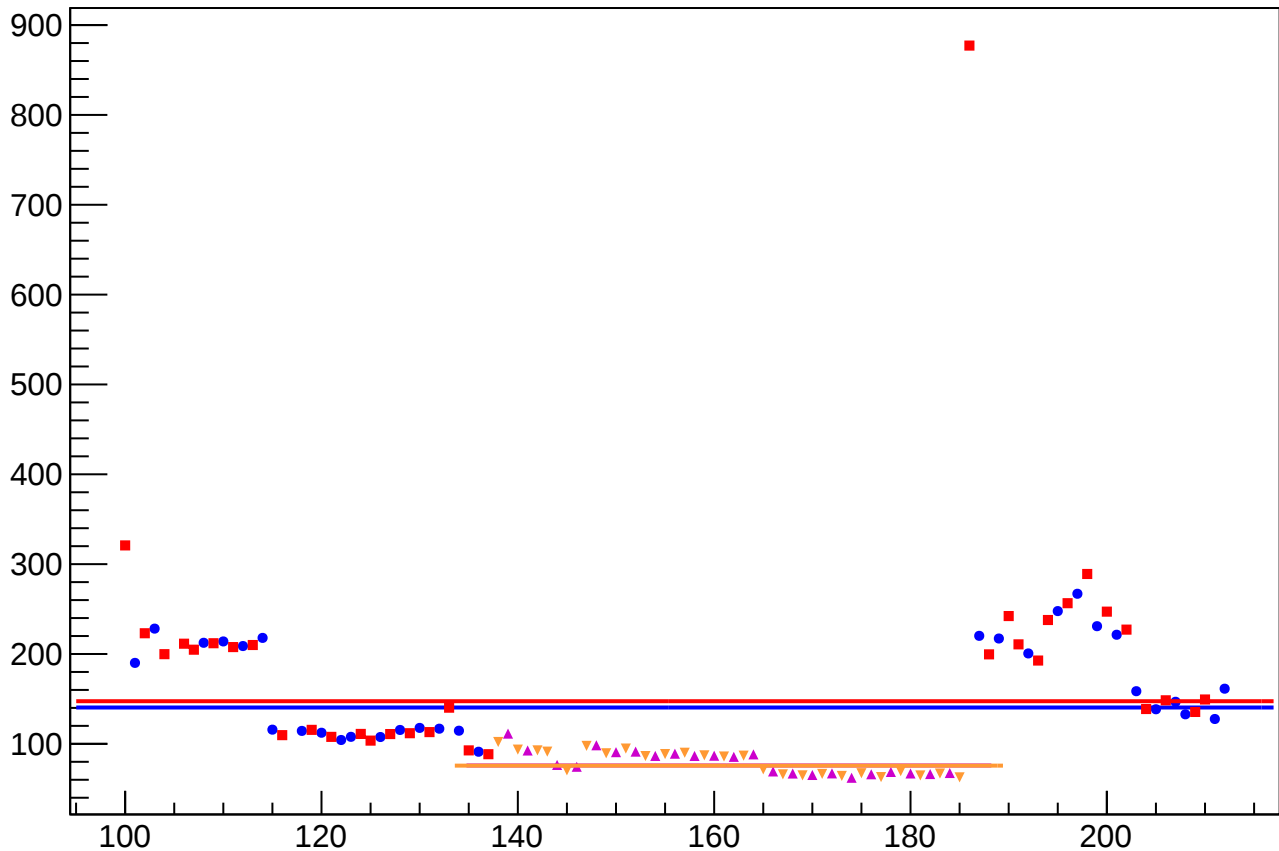
Left In: -63.279 ± 18.447 χ^2/NDF : 19.8/22

+ sign 18.391 ± 16.145 χ^2/NDF : 70.8/54

All: -16.701 ± 11.599 χ^2/NDF : 145.8/110

- sign -54.129 ± 16.674 χ^2/NDF : 65.2/55

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.439+/-0.026 χ^2/NDF : 2910707.8/29

Left Out: 75.743+/-0.013 χ^2/NDF : 937821.8/24

Right Out: 147.442+/-0.028 χ^2/NDF : 3885815.1/32

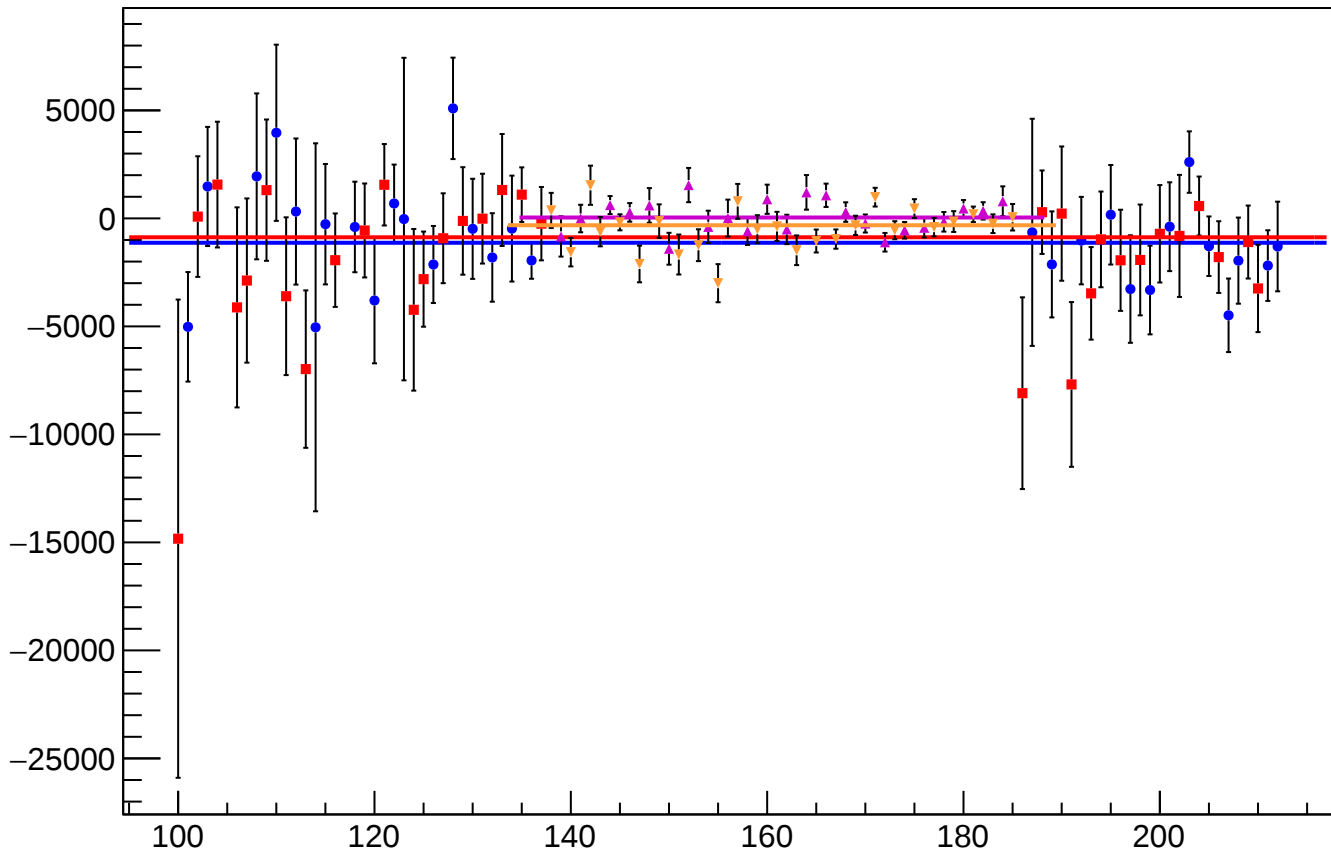
Left In: 75.909+/-0.013 χ^2/NDF : 831366.4/22

+ sign 87.864+/-0.011 χ^2/NDF : 8738173.2/54

All: 88.411+/-0.008 χ^2/NDF : 18961668.5/110

- sign 88.995+/-0.012 χ^2/NDF : 10218749.9/55

asym_sam_26_avg_correction_mean vs Slug



Right In: -1128.849 ± 370.449 χ^2/NDF : 30.4/29

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -874.876 ± 395.022 χ^2/NDF : 25.0/32

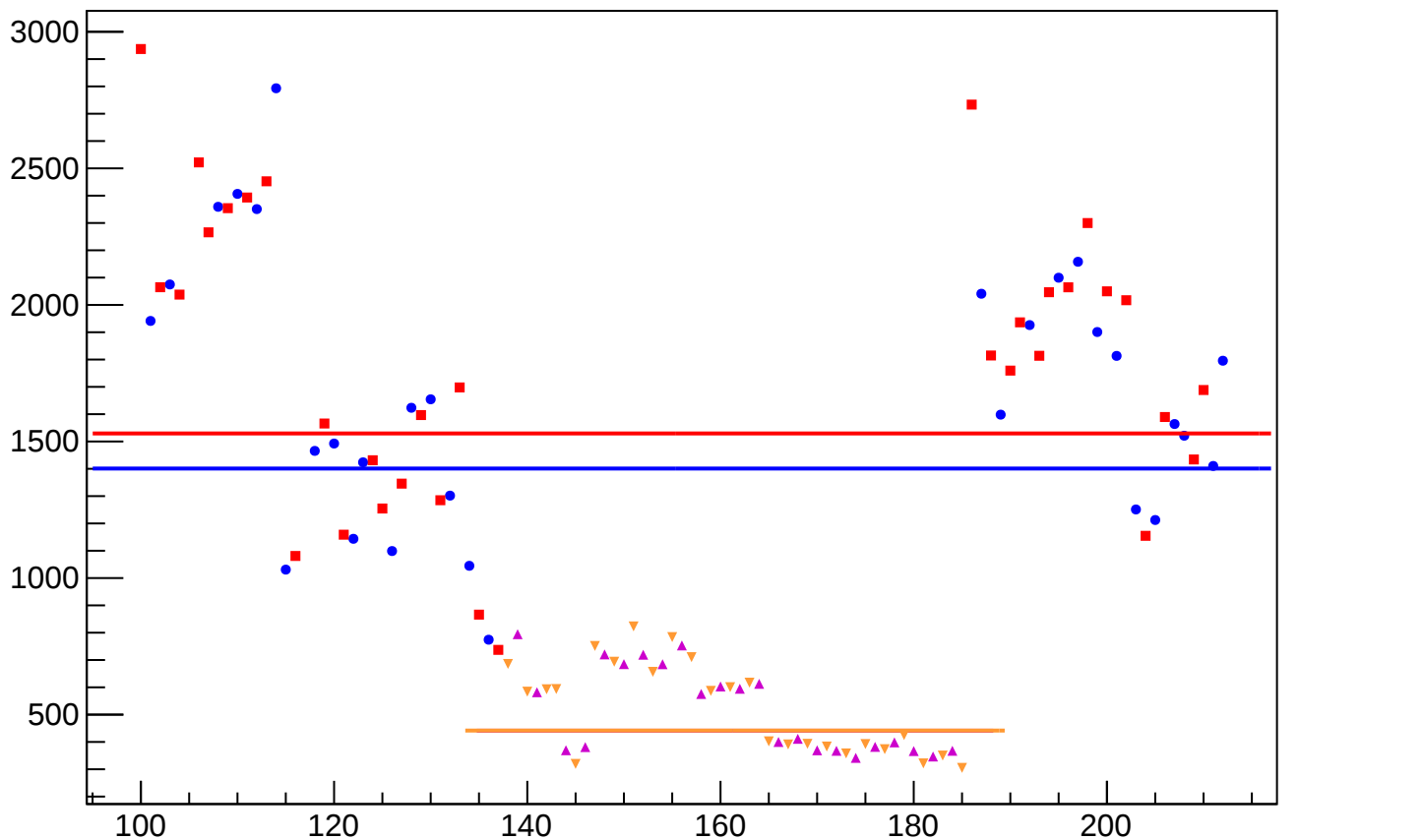
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -381.593 ± 103.696 χ^2/NDF : 84.8/54

All: -207.871 ± 74.191 χ^2/NDF : 155.3/110

- sign -25.679 ± 106.194 χ^2/NDF : 64.8/55

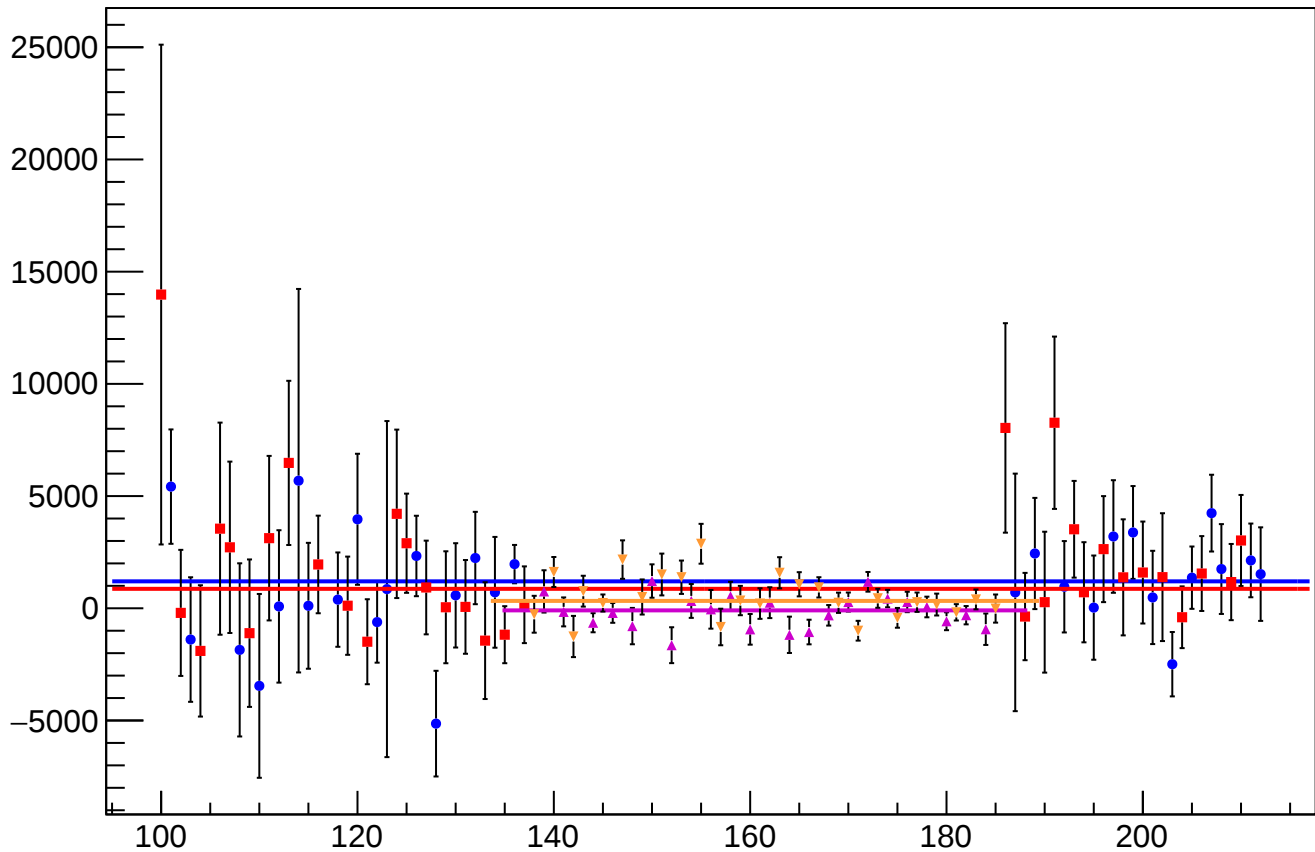
asym_sam_26_avg_correction_rms vs Slug



Right In: 1400.990 +/- 0.262 χ^2/NDF : 2888149.4/29
 Left Out: 441.685 +/- 0.076 χ^2/NDF : 3169140.9/24
 Right Out: 1529.437 +/- 0.279 χ^2/NDF : 2929518.8/32
 Left In: 441.009 +/- 0.078 χ^2/NDF : 2597018.1/22

+ sign 516.851 +/- 0.073 χ^2/NDF : 18418213.9/54
 All: 518.226 +/- 0.052 χ^2/NDF : 38032139.1/11
 - sign 519.669 +/- 0.075 χ^2/NDF : 19613204.2/55

asym_sam_26_avg_mean vs Slug



Right In: 1200.355+/-372.747 χ^2/NDF : 29.6/29

Left Out: 328.599+/-109.668 χ^2/NDF : 47.7/24

Right Out: 866.896+/-397.486 χ^2/NDF : 24.4/32

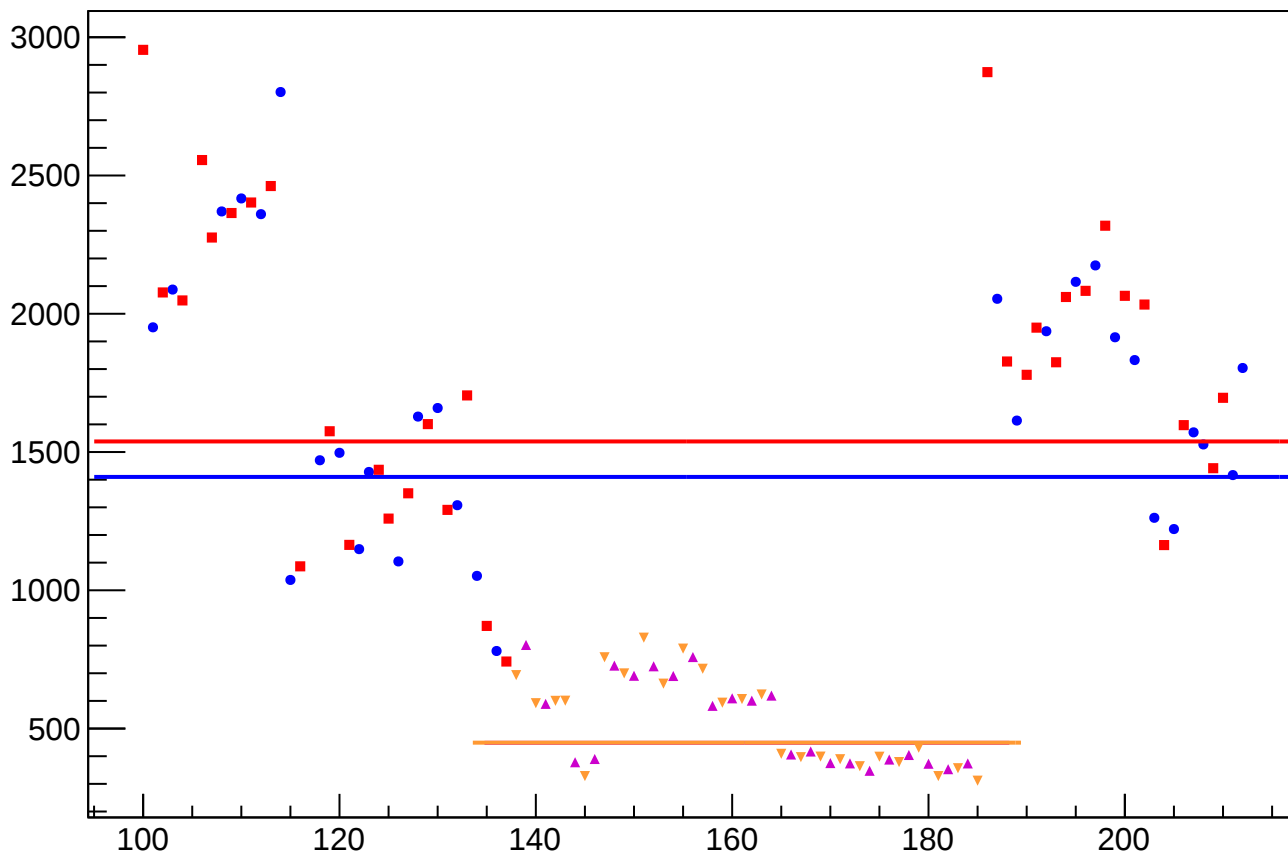
Left In: -93.310+/-111.960 χ^2/NDF : 33.3/22

+ sign 398.049+/-105.209 χ^2/NDF : 82.3/54

All: 192.712+/-75.282 χ^2/NDF : 153.3/110

- sign -22.729+/-107.766 χ^2/NDF : 63.1/55

asym_sam_26_avg_rms vs Slug



Right In: 1409.968 $\pm$ 0.264 χ^2 /NDF: 2877722.2/29

Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF:3090476.2/24

Right Out: 1538.280 $\pm$ 0.281 χ^2 /NDF: 2949095.4/32

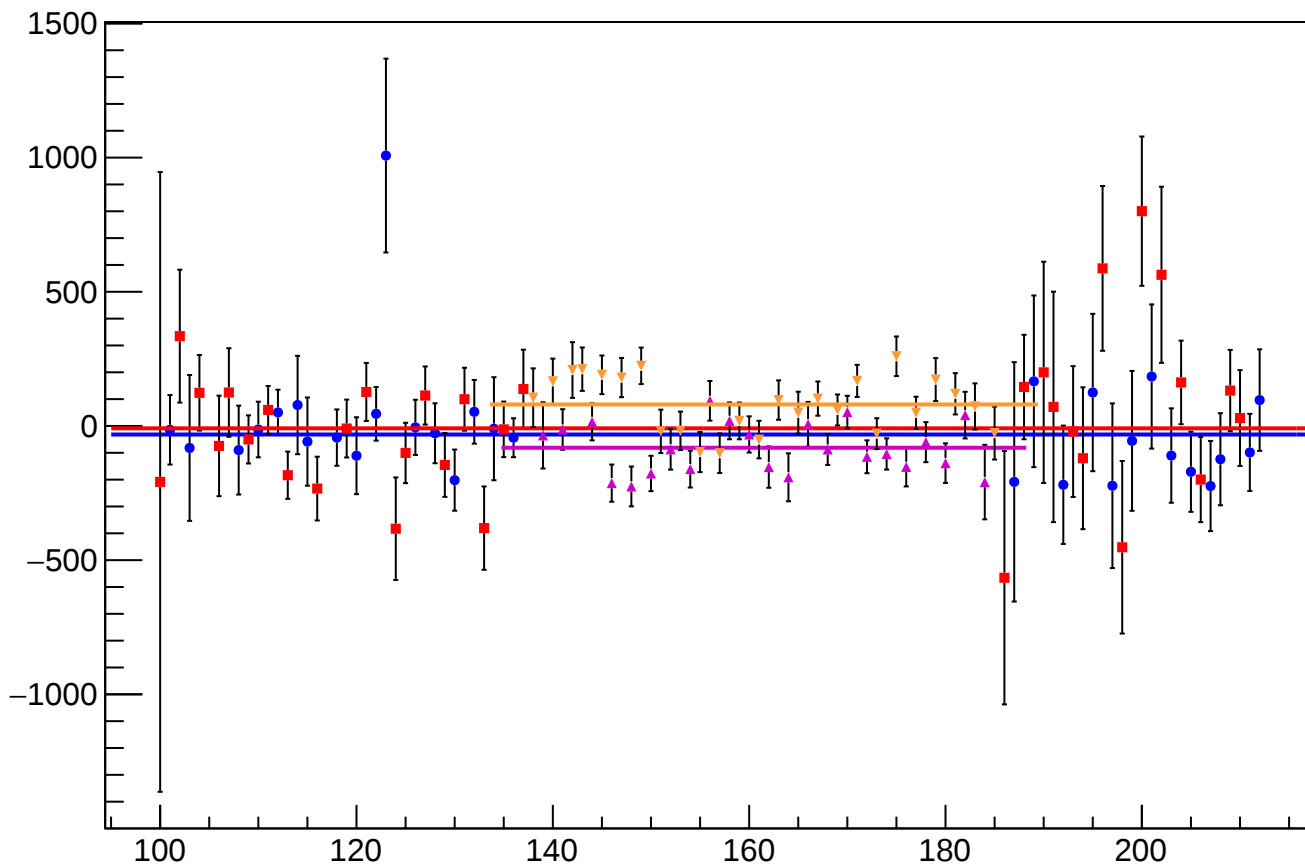
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF:2537376.0/22

+ sign 525.573 $\pm$ 0.074 χ^2 /NDF: 18201681.1/54

All: 526.965 $\pm$ 0.053 χ^2 /NDF: 37622414.9/1

- sign 528.427 $\pm$ 0.076 χ^2 /NDF: 19420015.5/55

reg_asym_sam_37_avg_mean vs Slug



Right In: -31.824 ± 25.770 $\chi^2/\text{NDF}: 19.5/29$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -8.801 ± 25.461 $\chi^2/\text{NDF}: 51.4/32$

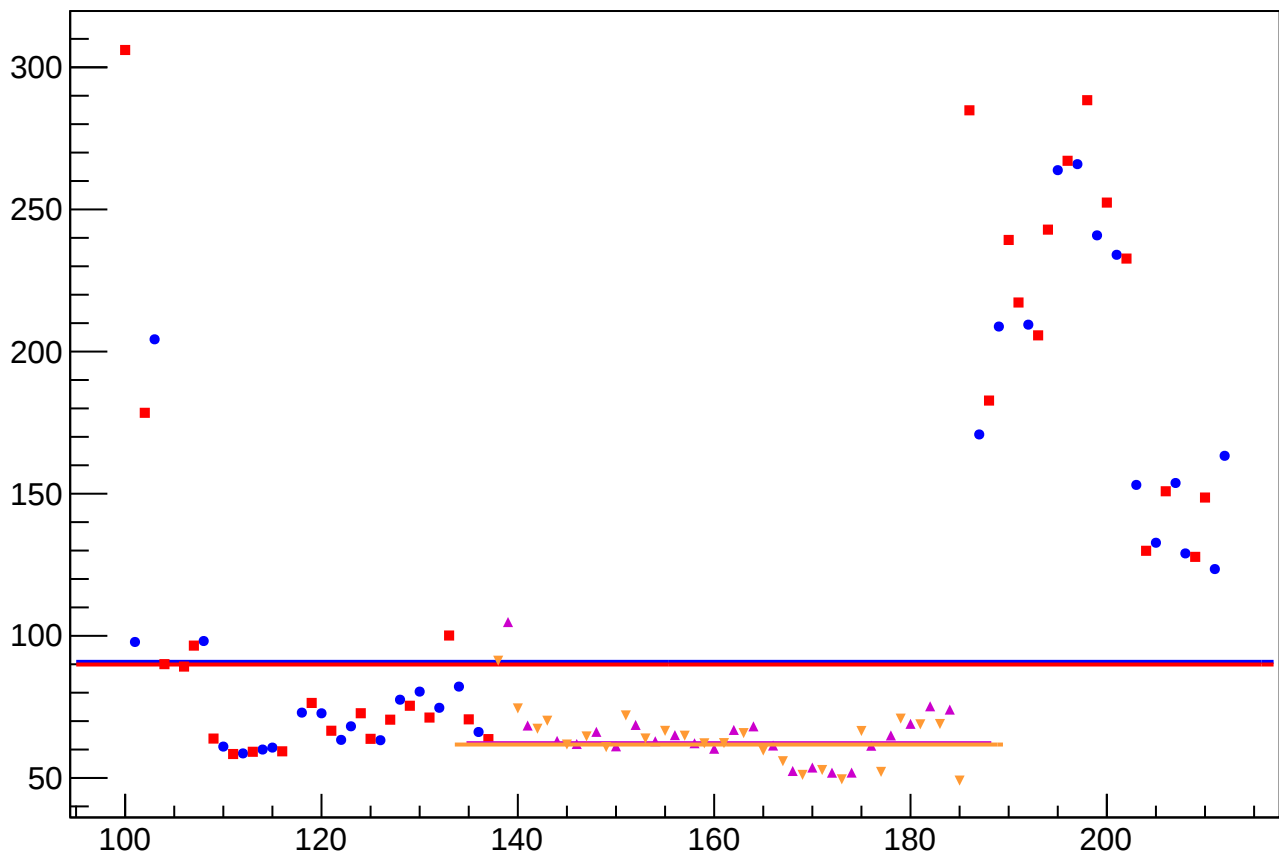
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 52.979 ± 12.698 $\chi^2/\text{NDF}: 82.4/54$

All: -3.353 ± 9.081 $\chi^2/\text{NDF}: 215.3/110$

- sign -62.319 ± 12.991 $\chi^2/\text{NDF}: 92.7/55$

reg_asym_sam_37_avg_rms vs Slug



Right In: 90.851 $\pm$ 0.018 χ^2 /NDF: 6326303.5/29

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 89.913 $\pm$ 0.018 χ^2 /NDF: 7271821.4/32

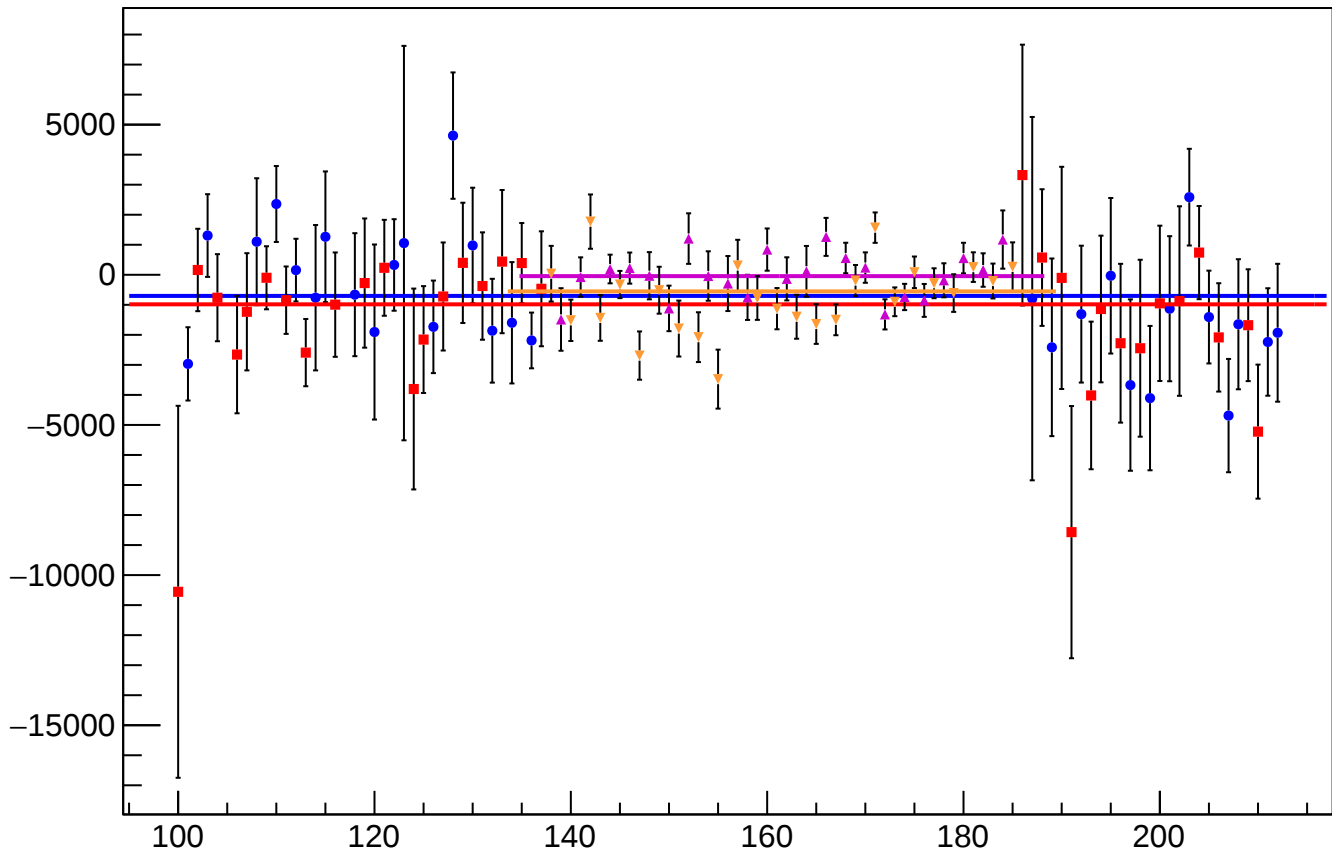
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 68.824 $\pm$ 0.009 χ^2 /NDF: 8901600.9/54

All: 69.131 $\pm$ 0.006 χ^2 /NDF: 18513149.4/110

- sign 69.452 $\pm$ 0.009 χ^2 /NDF: 9609158.1/55

asym_sam_37_avg_correction_mean vs Slug



Right In: -703.277 ± 323.264 $\chi^2/\text{NDF}: 38.9/29$

Left Out: -552.511 ± 126.981 $\chi^2/\text{NDF}: 65.3/24$

Right Out: -983.831 ± 320.879 $\chi^2/\text{NDF}: 22.7/32$

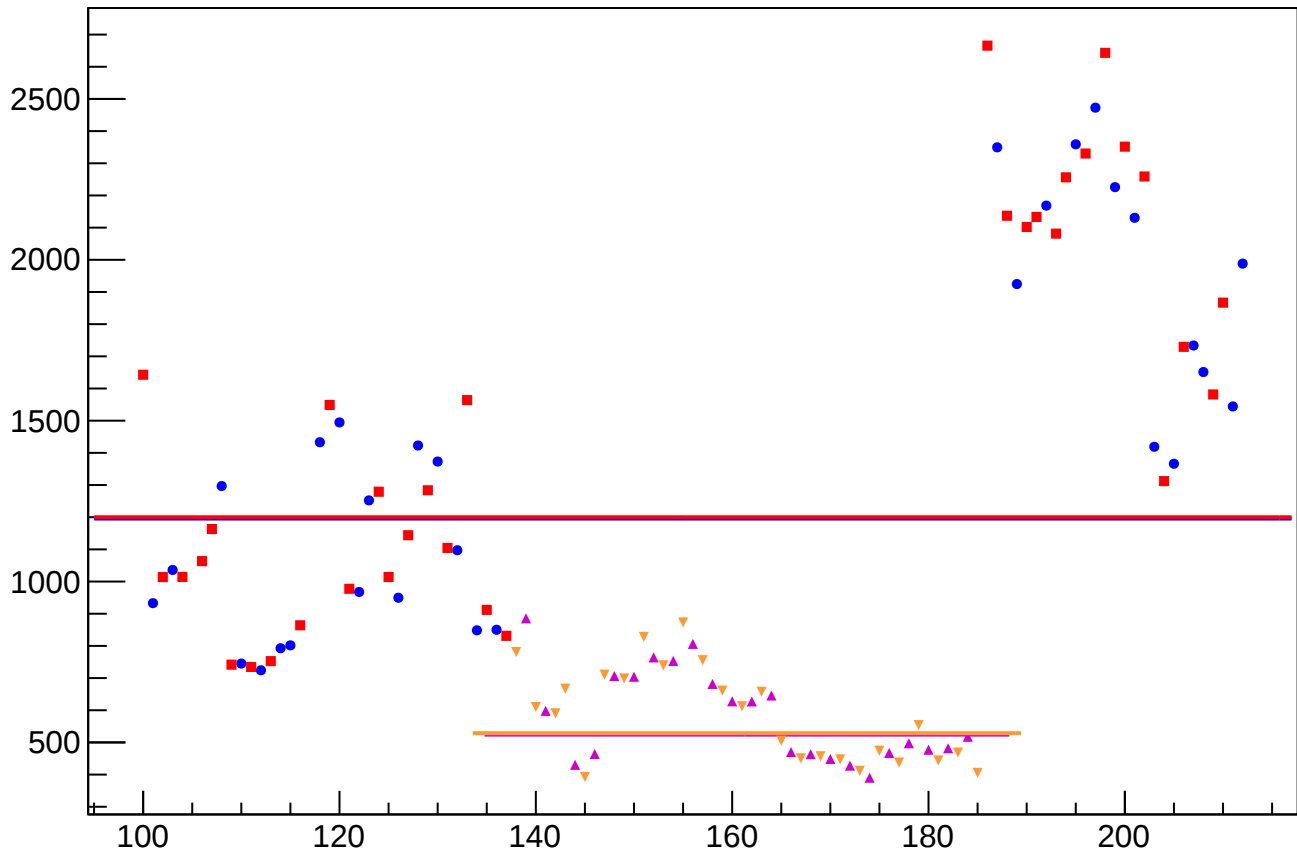
Left In: -44.578 ± 129.095 $\chi^2/\text{NDF}: 29.6/22$

+ sign -572.664 ± 118.190 $\chi^2/\text{NDF}: 104.3/54$

All: -376.675 ± 84.124 $\chi^2/\text{NDF}: 169.6/110$

- sign -175.425 ± 119.765 $\chi^2/\text{NDF}: 59.6/55$

asym_sam_37_avg_correction_rms vs Slug



Right In: 1195.906 $\pm$ 0.229 χ^2 /NDF: 4092595.9/29

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

Right Out: 1199.752 $\pm$ 0.227 χ^2 /NDF: 4877901.6/32

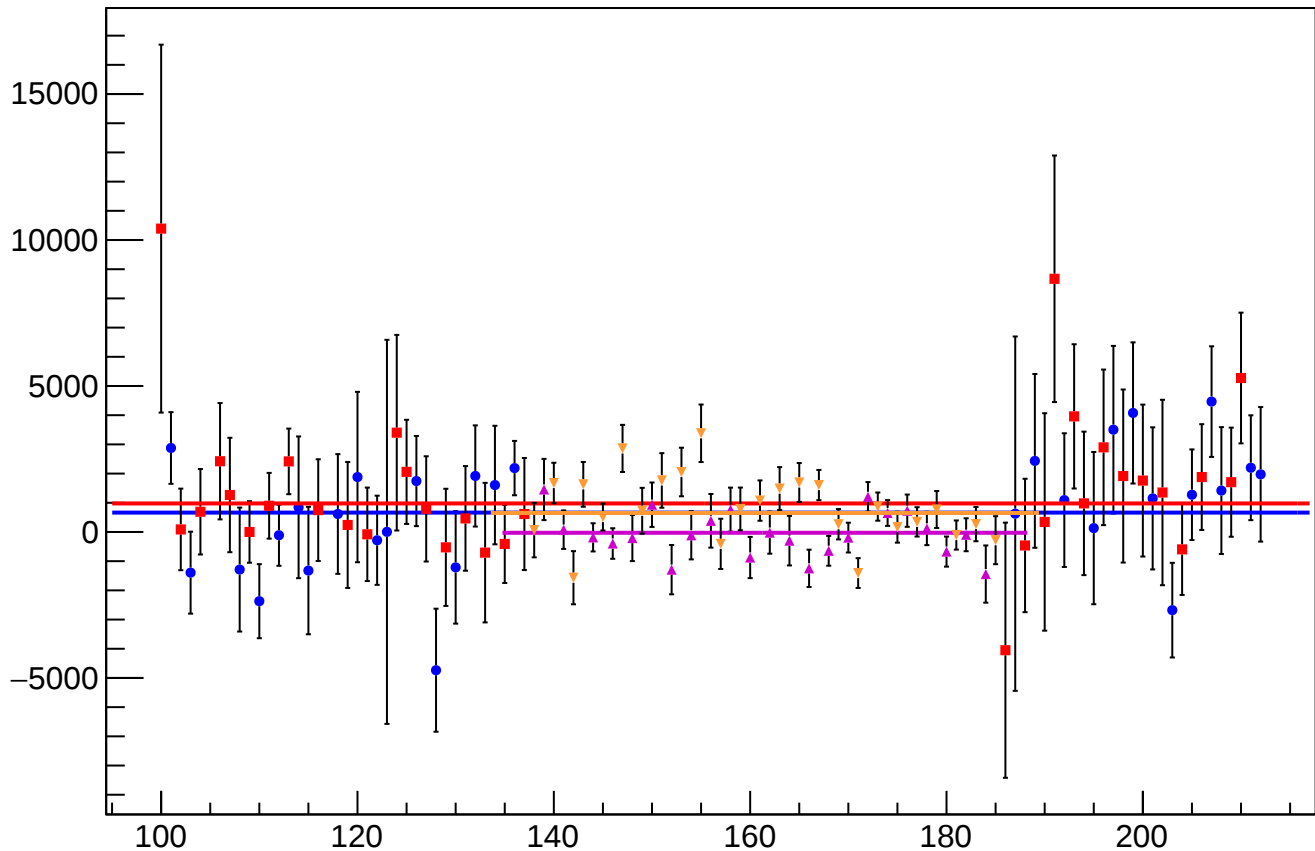
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 617.919 $\pm$ 0.084 χ^2 /NDF: 13456529.1/54

All: 618.141 $\pm$ 0.059 χ^2 /NDF: 27678944.9/1

- sign 618.369 $\pm$ 0.085 χ^2 /NDF: 14222401.4/55

asym_sam_37_avg_mean vs Slug



Right In: 663.559 ± 324.778 $\chi^2/\text{NDF}: 38.4/29$

Left Out: 651.560 ± 127.961 $\chi^2/\text{NDF}: 61.1/24$

Right Out: 976.948 ± 322.501 $\chi^2/\text{NDF}: 21.8/32$

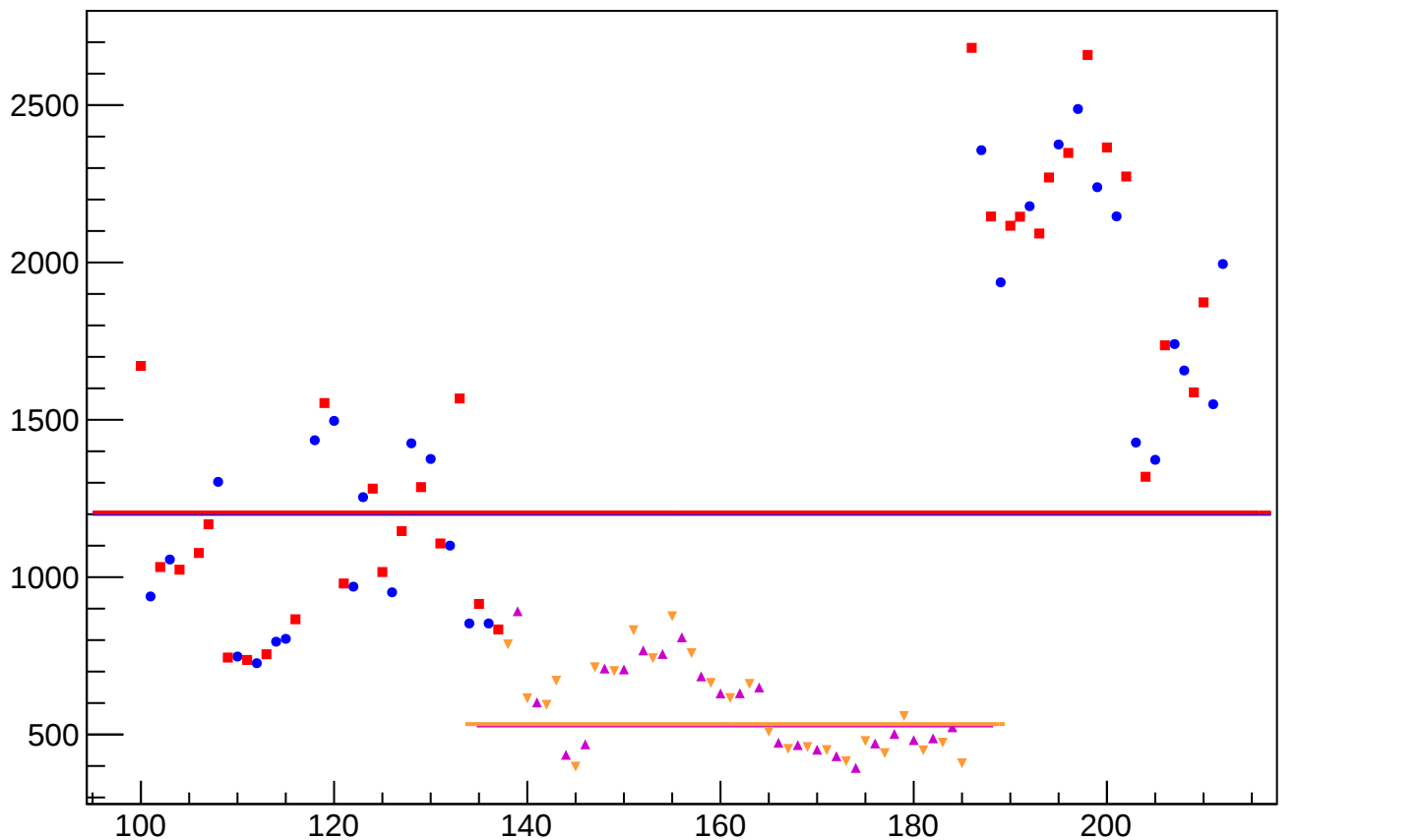
Left In: -27.483 ± 130.127 $\chi^2/\text{NDF}: 28.5/22$

+ sign 653.172 ± 119.054 $\chi^2/\text{NDF}: 99.5/54$

All: 386.809 ± 84.751 $\chi^2/\text{NDF}: 168.2/110$

- sign 113.148 ± 120.674 $\chi^2/\text{NDF}: 58.6/55$

asym_sam_37_avg_rms vs Slug



Right In: 1201.391 $\pm$ 0.230 χ^2 /NDF: 4098249.6/29

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 1205.482 $\pm$ 0.228 χ^2 /NDF: 4886101.2/32

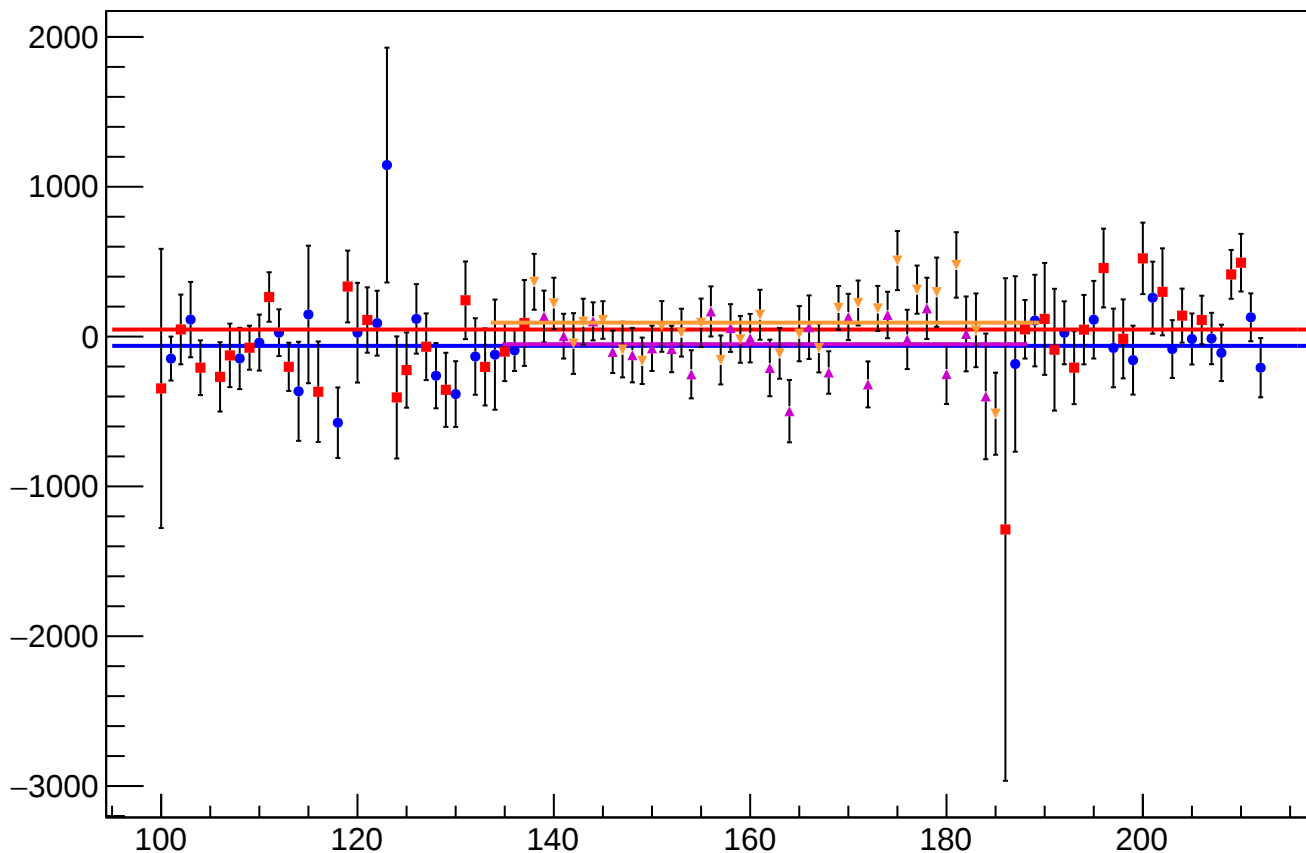
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 622.866 $\pm$ 0.084 χ^2 /NDF: 13380881.5/54

All: 623.155 $\pm$ 0.060 χ^2 /NDF: 27530223.1/11

- sign 623.452 $\pm$ 0.085 χ^2 /NDF: 14149317.7/55

reg_asym_sam_48_avg_mean vs Slug



Right In: -61.948 ± 39.346 χ^2/NDF : 18.9/29

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: 47.056 ± 39.146 χ^2/NDF : 39.9/32

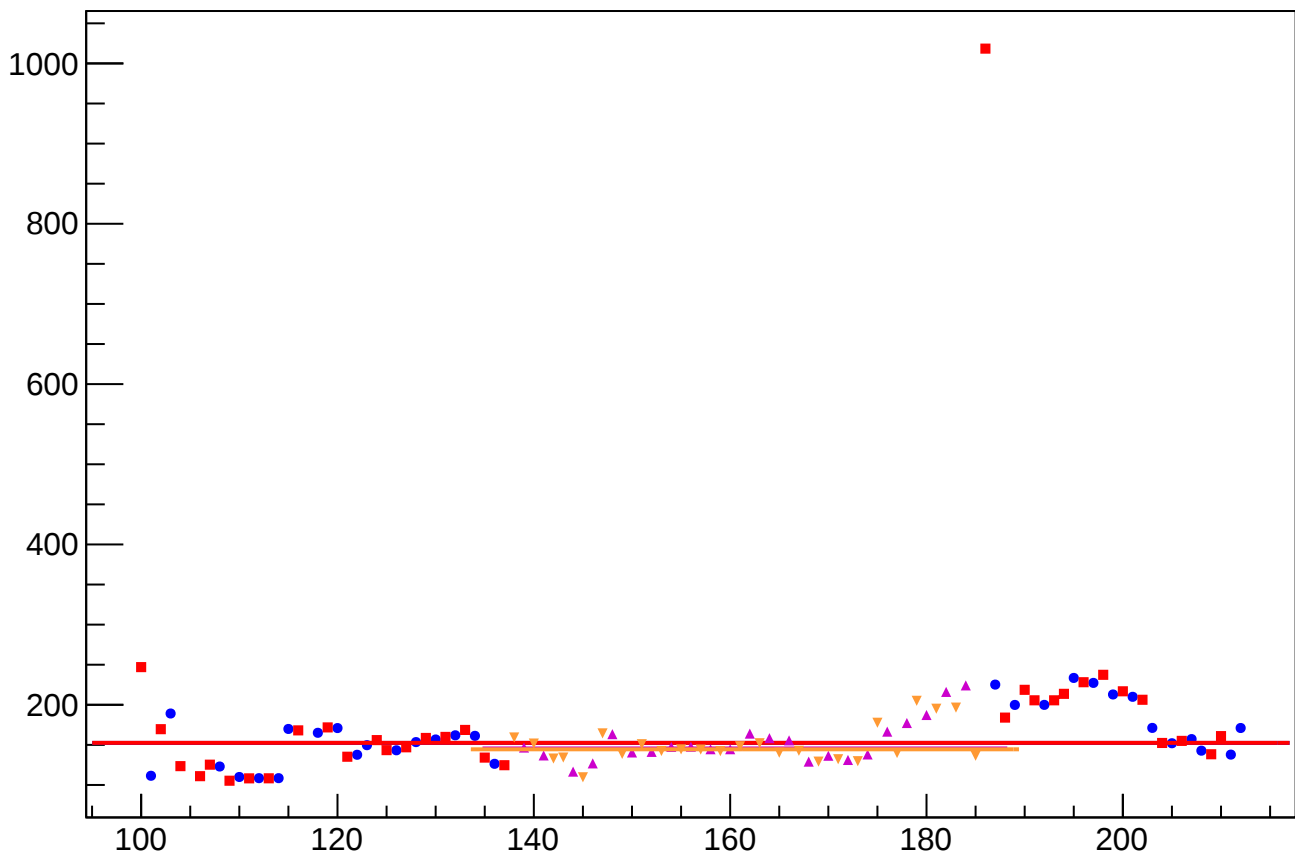
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 26.636 ± 25.749 χ^2/NDF : 57.2/54

All: 10.118 ± 18.367 χ^2/NDF : 124.8/110

- sign -6.994 ± 26.207 χ^2/NDF : 66.8/55

reg_asym_sam_48_avg_rms vs Slug



Right In: 152.431 $\pm$ 0.028 χ^2 /NDF: 1493329.9/29

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 152.533 $\pm$ 0.028 χ^2 /NDF: 2283323.4/32

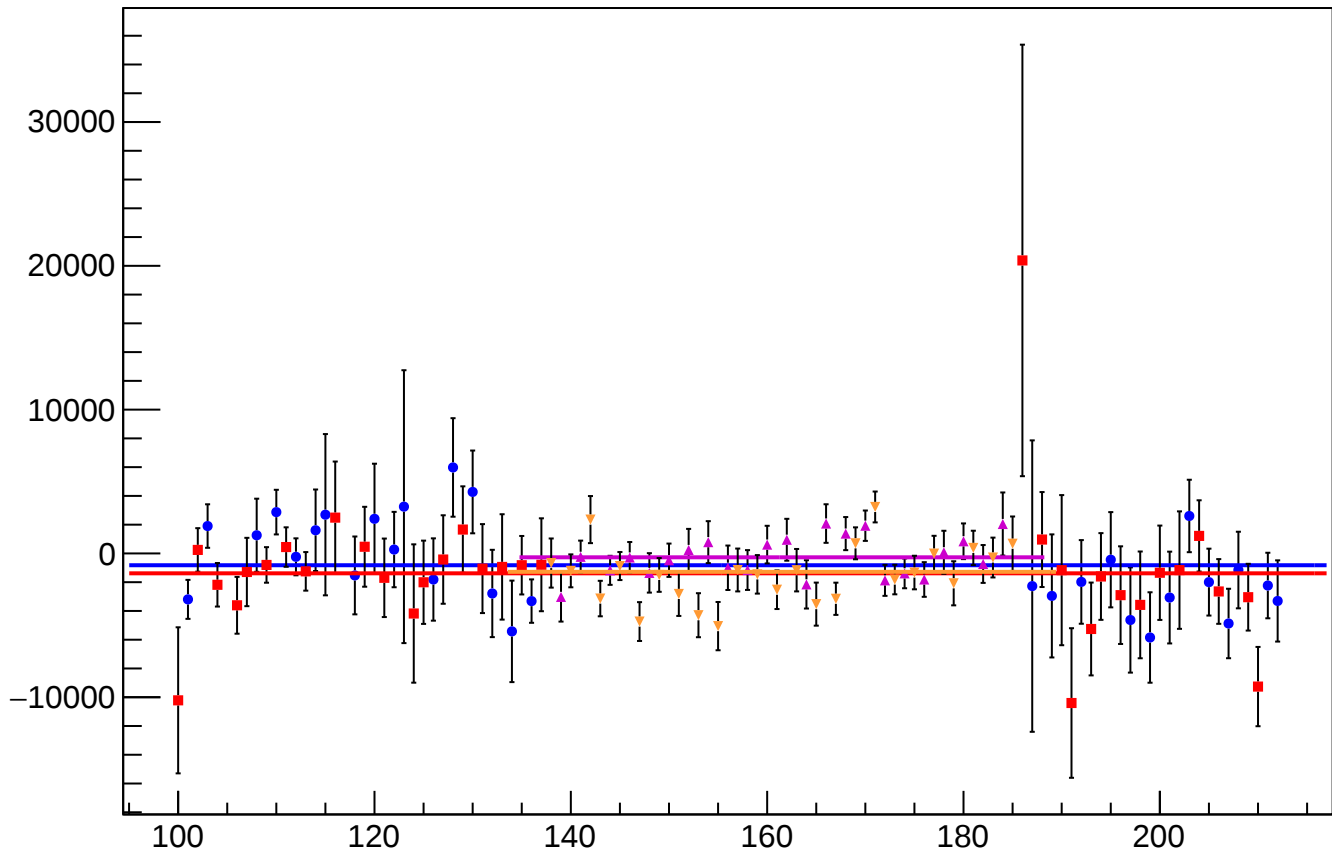
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 147.883 $\pm$ 0.018 χ^2 /NDF: 2210573.5/54

All: 148.270 $\pm$ 0.013 χ^2 /NDF: 5173615.7/110

- sign 148.671 $\pm$ 0.019 χ^2 /NDF: 2962121.0/55

asym_sam_48_avg_correction_mean vs Slug



Right In: -821.033 $\pm$ 440.638 χ^2/NDF : 37.8/29

Left Out: -1279.328 $\pm$ 259.299 χ^2/NDF : 55.9/24

Right Out: -1383.233 $\pm$ 419.683 χ^2/NDF : 28.5/32

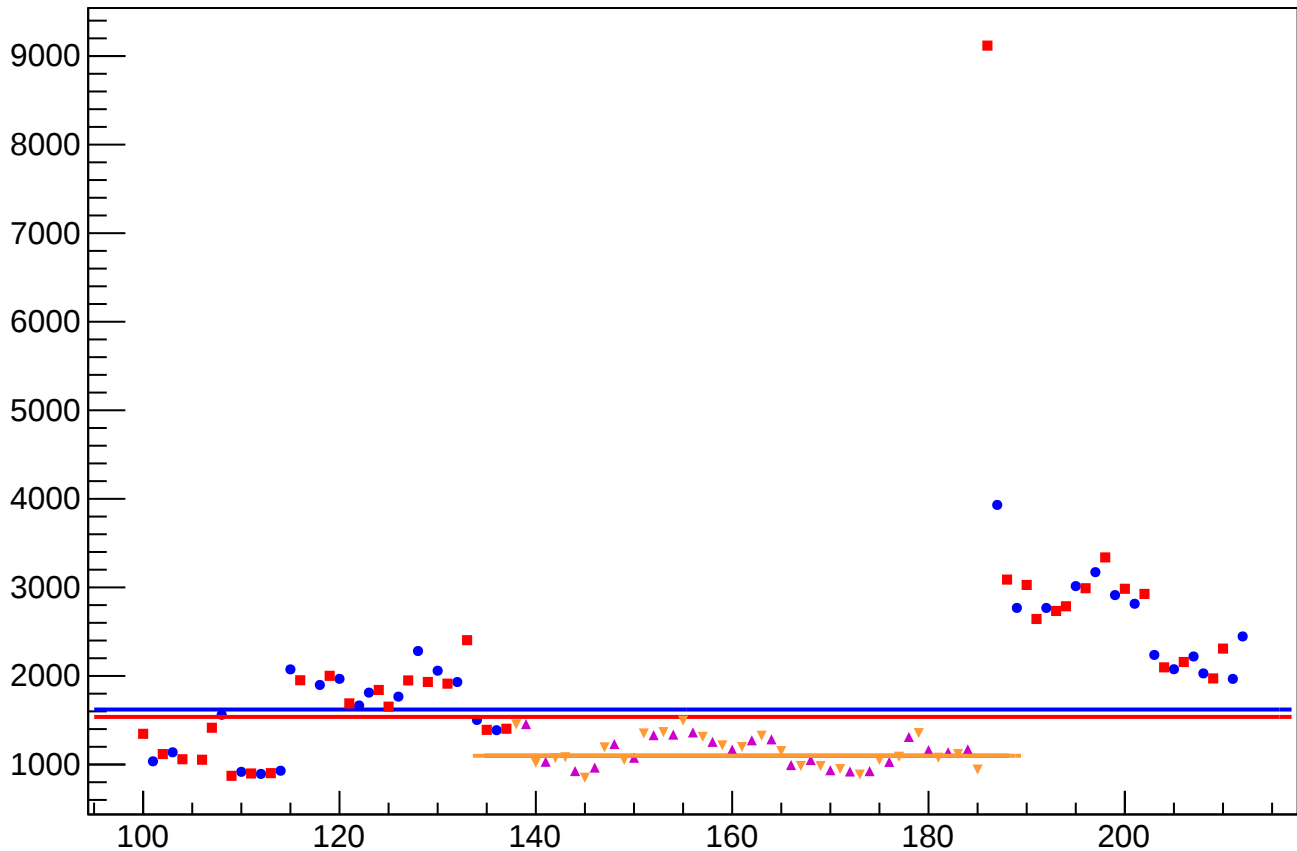
Left In: -269.952 $\pm$ 266.245 χ^2/NDF : 24.3/22

+ sign -1161.447 $\pm$ 223.476 χ^2/NDF : 94.6/54

All: -877.152 $\pm$ 158.495 χ^2/NDF : 155.6/110

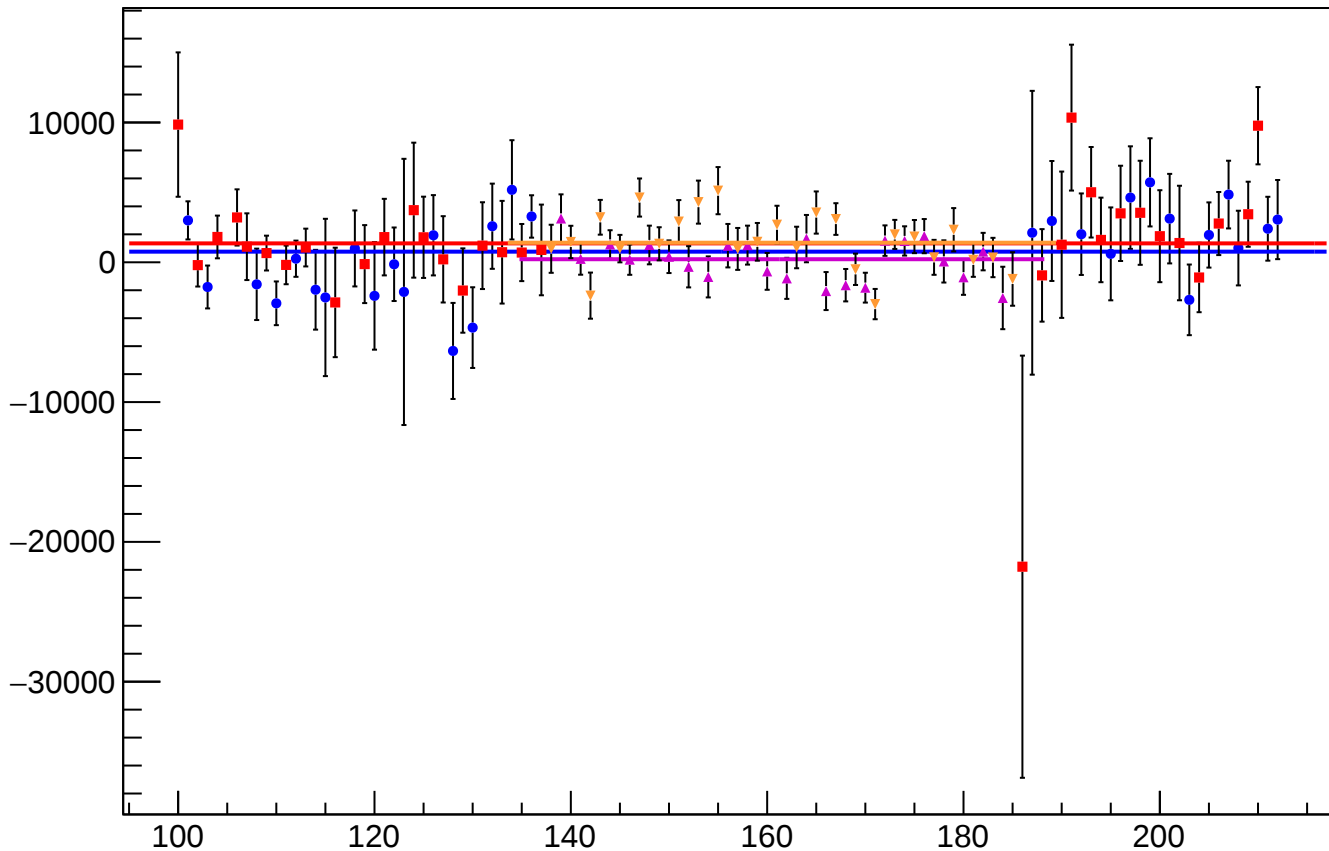
- sign -589.427 $\pm$ 224.821 χ^2/NDF : 57.8/55

asym_sam_48_avg_correction_rms vs Slug



Right In: 1620.946 $\pm$ 0.312 χ^2/NDF : 4470586.7/29 + sign 1233.186 $\pm$ 0.158 χ^2/NDF : 7380034.4/54
 Left Out: 1098.909 $\pm$ 0.183 χ^2/NDF : 824328.7/24 All: 1229.238 $\pm$ 0.112 χ^2/NDF : 15637525.4/1
 Right Out: 1537.470 $\pm$ 0.297 χ^2/NDF : 6023891.3/32 - sign 1225.243 $\pm$ 0.159 χ^2/NDF : 8256235.5/55
 Left In: 1099.585 $\pm$ 0.188 χ^2/NDF : 679896.1/22

asym_sam_48_avg_mean vs Slug



Right In: 760.323 $\pm$ 443.013 χ^2 /NDF: 37.5/29

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF: 52.2/24

Right Out: 1352.304 $\pm$ 422.396 χ^2 /NDF: 28.9/32

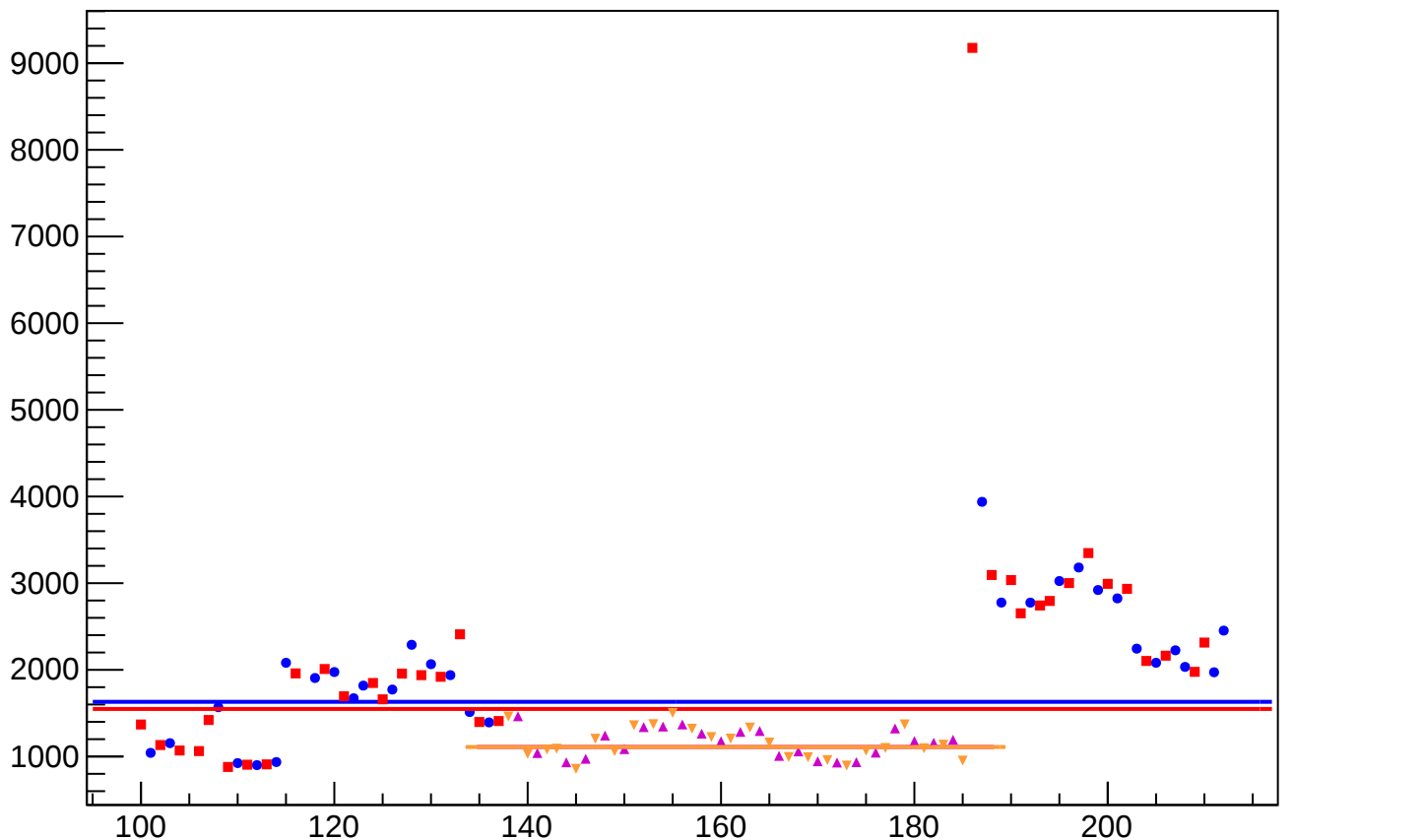
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1234.765 $\pm$ 225.389 χ^2 /NDF: 91.3/54

All: 892.559 $\pm$ 159.873 χ^2 /NDF: 154.9/110

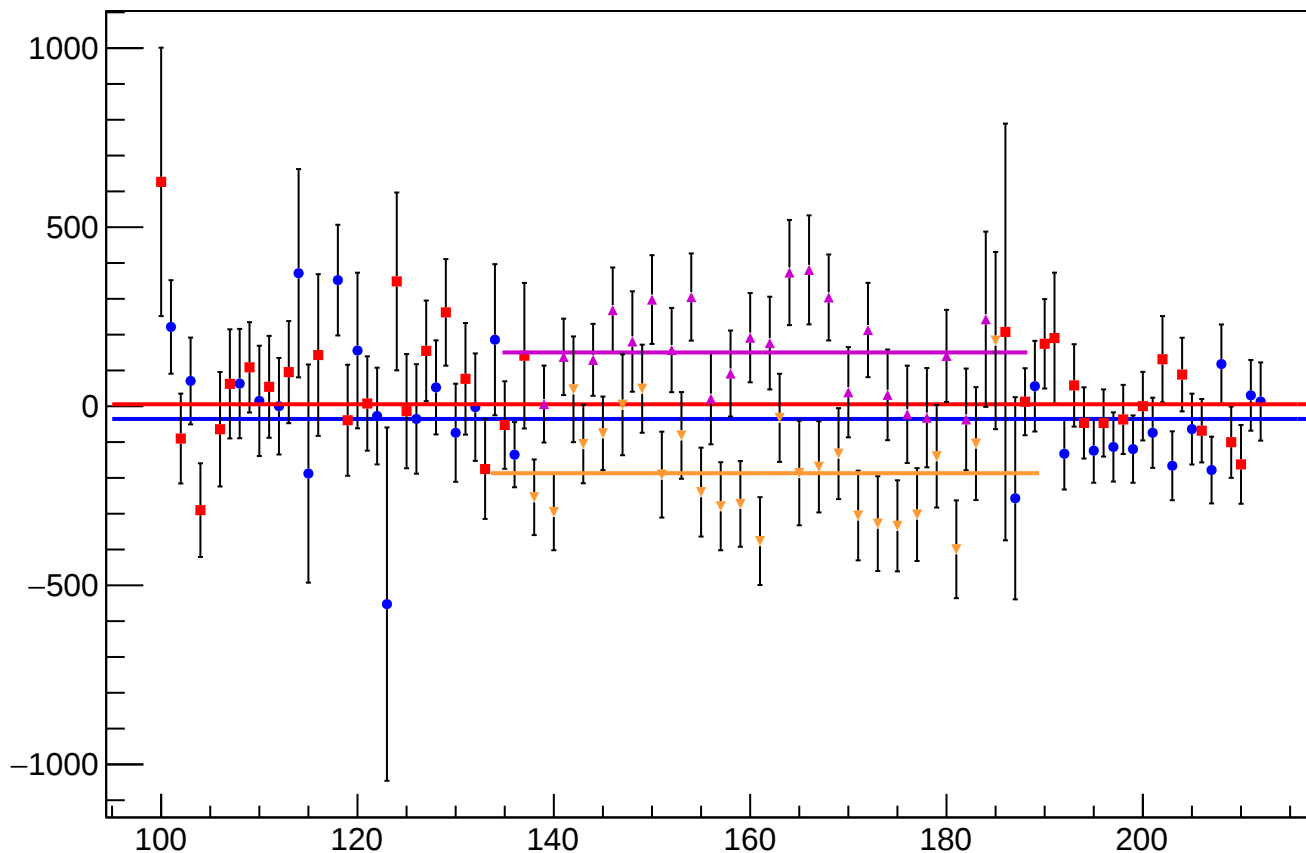
- sign 546.033 $\pm$ 226.807 χ^2 /NDF: 59.0/55

asym_sam_48_avg_rms vs Slug



Right In: 1631.100+/-0.313 χ^2/NDF : 4424747.1/29 + sign 1244.705+/-0.159 χ^2/NDF : 7289733.0/54
 Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24 All: 1240.826+/-0.113 χ^2/NDF : 15459582.8/100
 Right Out: 1548.792+/-0.299 χ^2/NDF : 5966509.9/32 - sign 1236.898+/-0.160 χ^2/NDF : 8168657.5/55
 Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

reg_asym_sam_15_dd_mean vs Slug



Right In: -35.411 ± 22.523 χ^2/NDF : 30.0/29

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: 5.581 ± 22.253 χ^2/NDF : 28.9/32

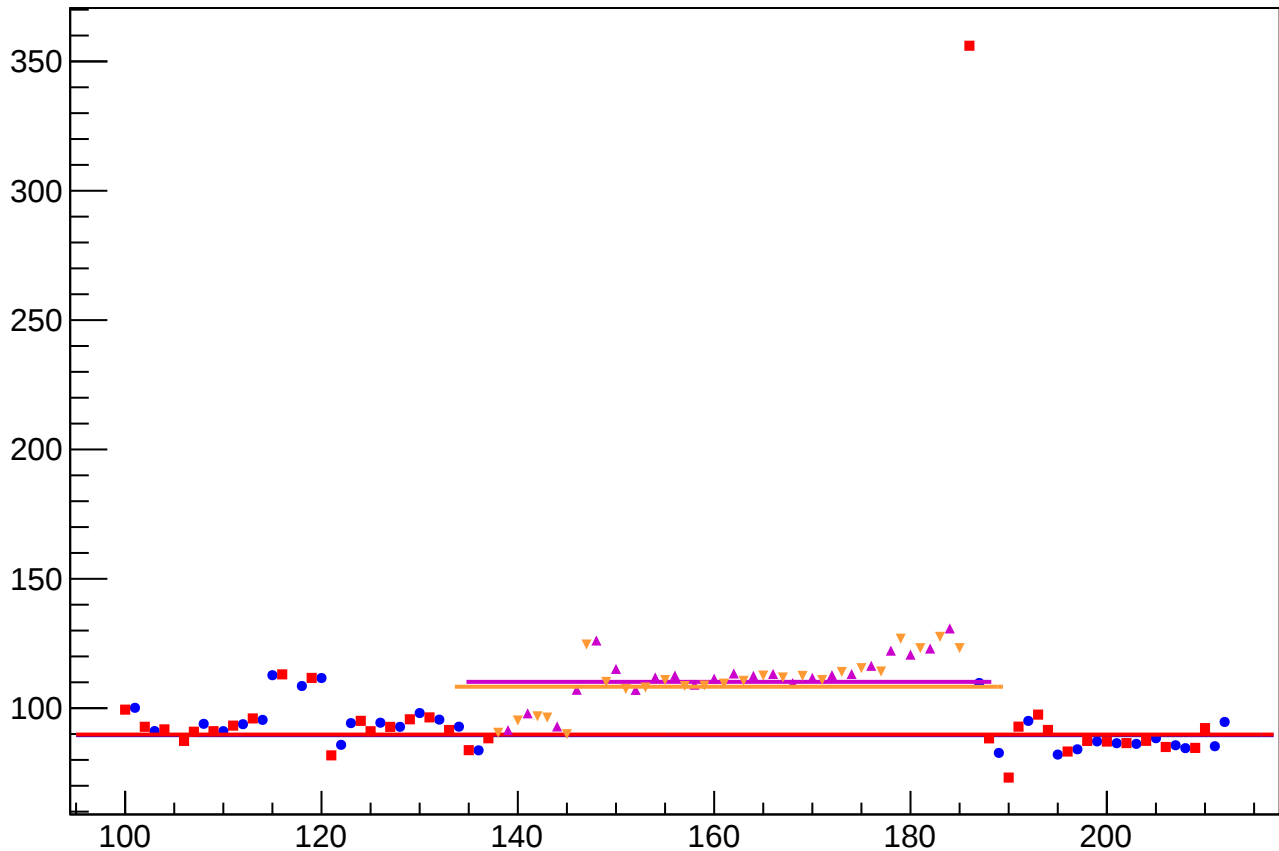
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -102.337 ± 16.825 χ^2/NDF : 76.6/54

All: -19.379 ± 11.968 χ^2/NDF : 192.9/110

- sign 65.581 ± 17.027 χ^2/NDF : 67.1/55

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.564 $\pm$ 0.016 χ^2 /NDF: 169726.6/29

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 89.792 $\pm$ 0.016 χ^2 /NDF: 583966.7/32

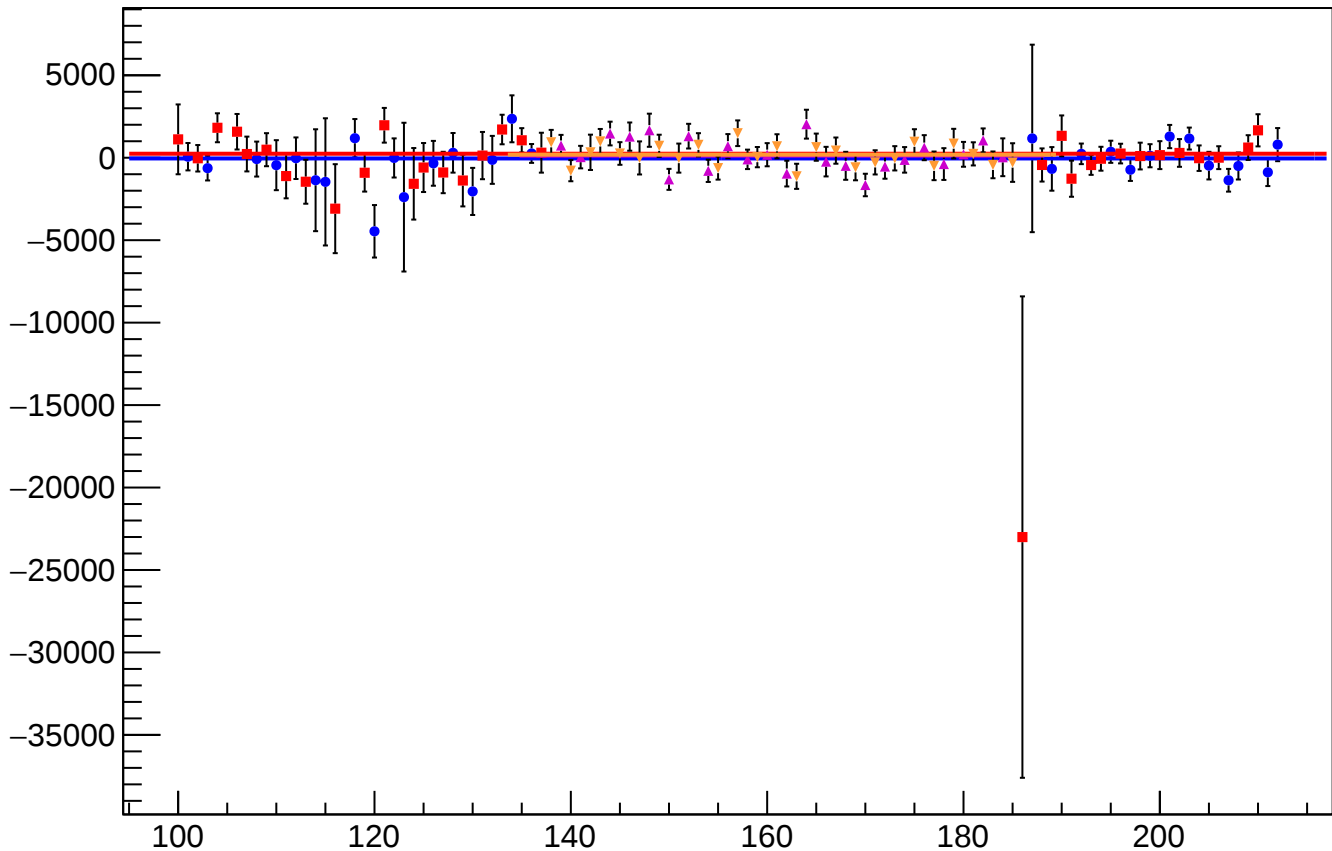
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 97.839 $\pm$ 0.012 χ^2 /NDF: 1111257.0/54

All: 98.038 $\pm$ 0.008 χ^2 /NDF: 2638237.3/110

- sign 98.241 $\pm$ 0.012 χ^2 /NDF: 1526416.8/55

asym_sam_15_dd_correction_mean vs Slug



Right In: -44.272 ± 170.643 χ^2/NDF : 30.1/29

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 242.450 ± 167.494 χ^2/NDF : 29.6/32

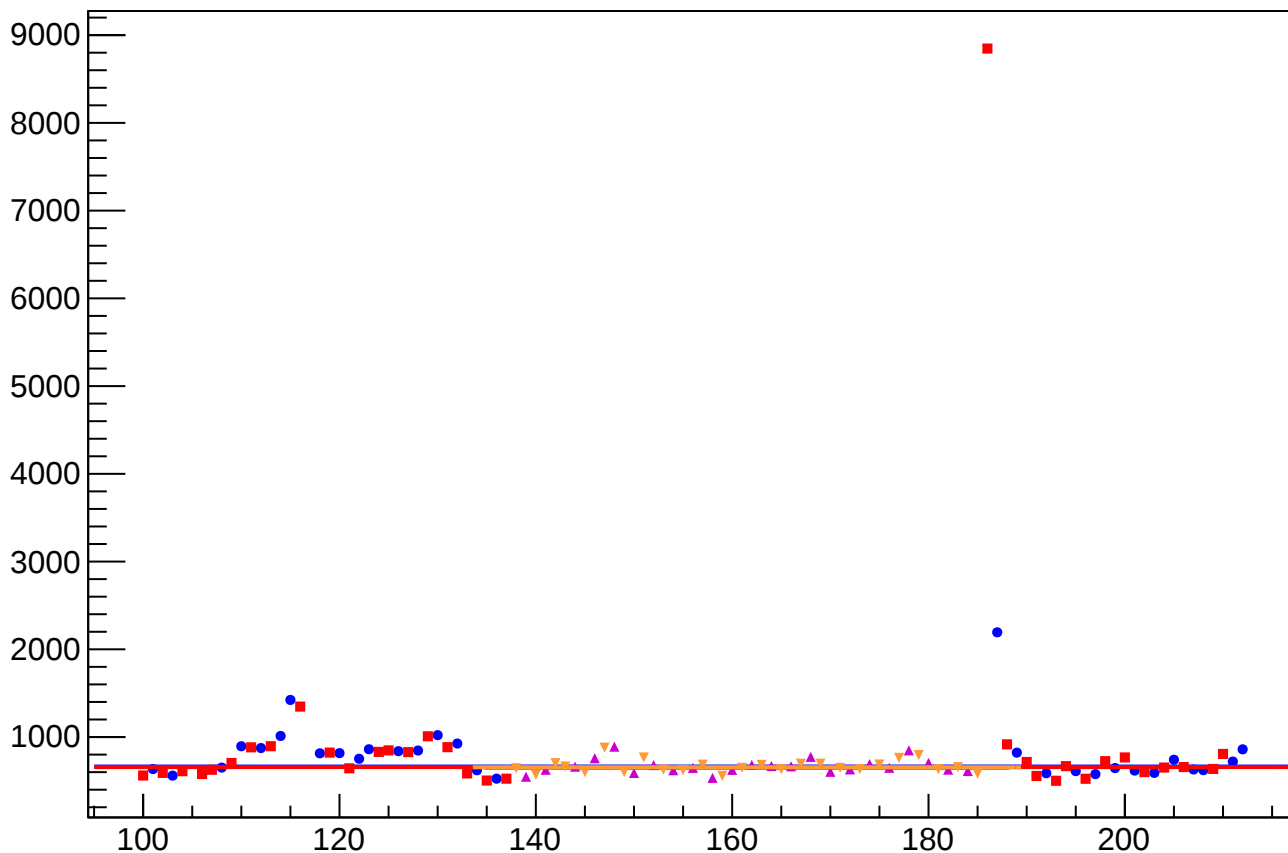
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 82.537 ± 114.197 χ^2/NDF : 49.4/54

All: 132.090 ± 80.894 χ^2/NDF : 115.9/110

- sign 182.000 ± 114.606 χ^2/NDF : 66.1/55

asym_sam_15_dd_correction_rms vs Slug



Right In: 663.938+/-0.121 χ^2/NDF : 1097344.5/29

Left Out: 655.155+/-0.109 χ^2/NDF : 367349.8/24

Right Out: 657.548+/-0.118 χ^2/NDF : 1815398.5/32

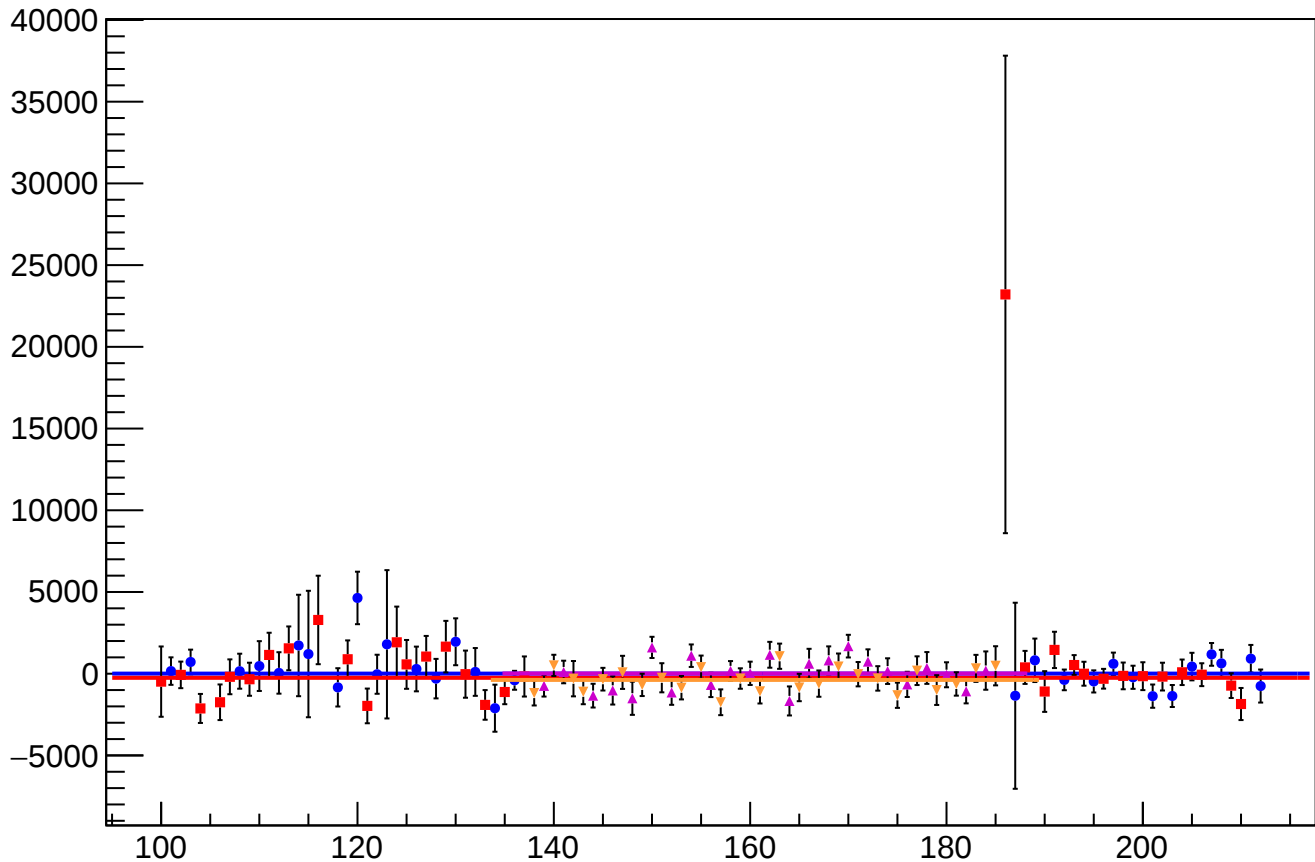
Left In: 650.883+/-0.111 χ^2/NDF : 466116.8/22

+ sign 659.088+/-0.081 χ^2/NDF : 1467619.3/54

All: 656.555+/-0.057 χ^2/NDF : 3752794.4/110

- sign 654.004+/-0.081 χ^2/NDF : 2283199.6/55

asym_sam_15_dd_mean vs Slug



Right In: 5.985 ± 172.334 χ^2/NDF : 30.5/29

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -251.196 ± 169.263 χ^2/NDF : 34.1/32

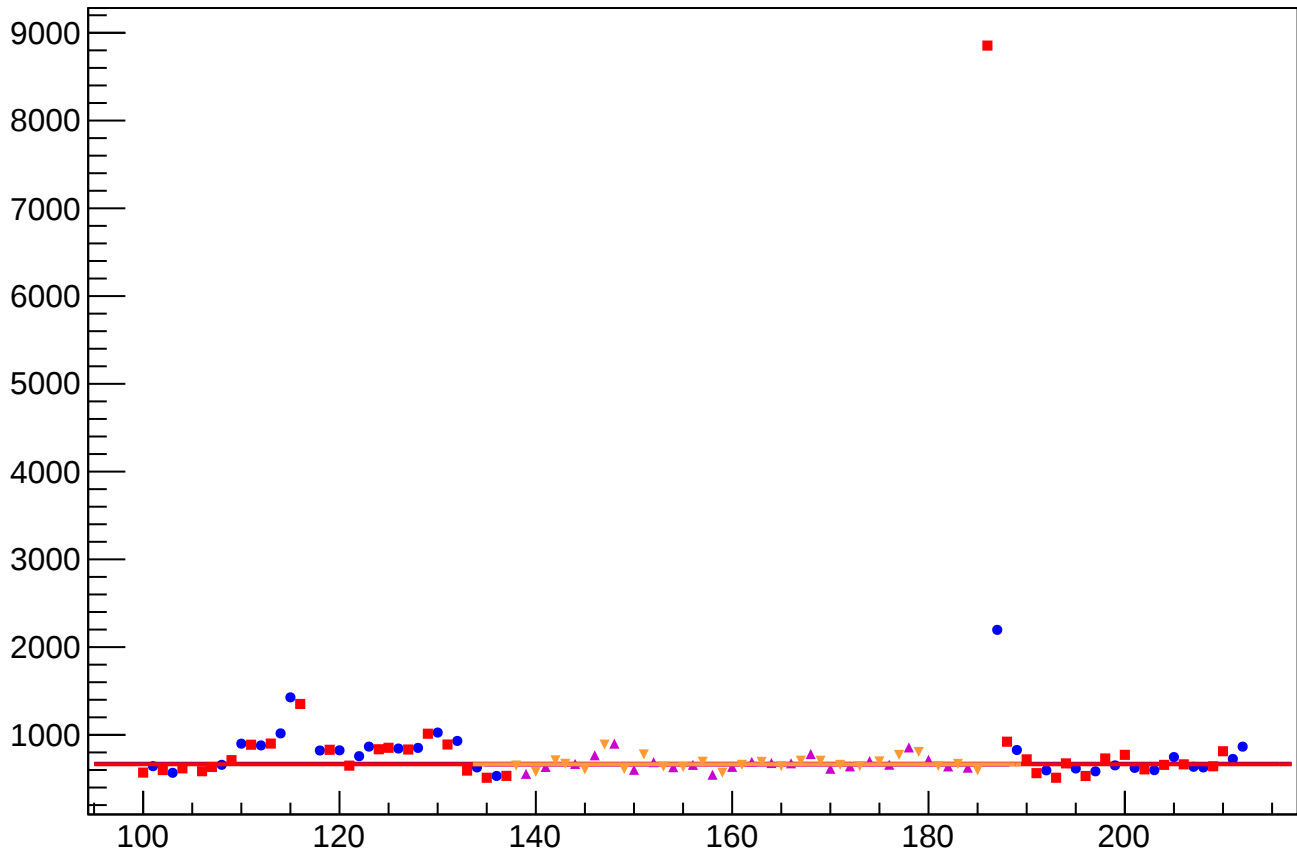
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -206.002 ± 115.609 χ^2/NDF : 52.1/54

All: -158.365 ± 81.916 χ^2/NDF : 125.0/110

- sign -110.334 ± 116.087 χ^2/NDF : 72.6/55

asym_sam_15_dd_rms vs Slug



Right In: 670.932 $\pm$ 0.122 χ^2 /NDF: 1072446.7/29

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 665.065 $\pm$ 0.120 χ^2 /NDF: 1777531.8/32

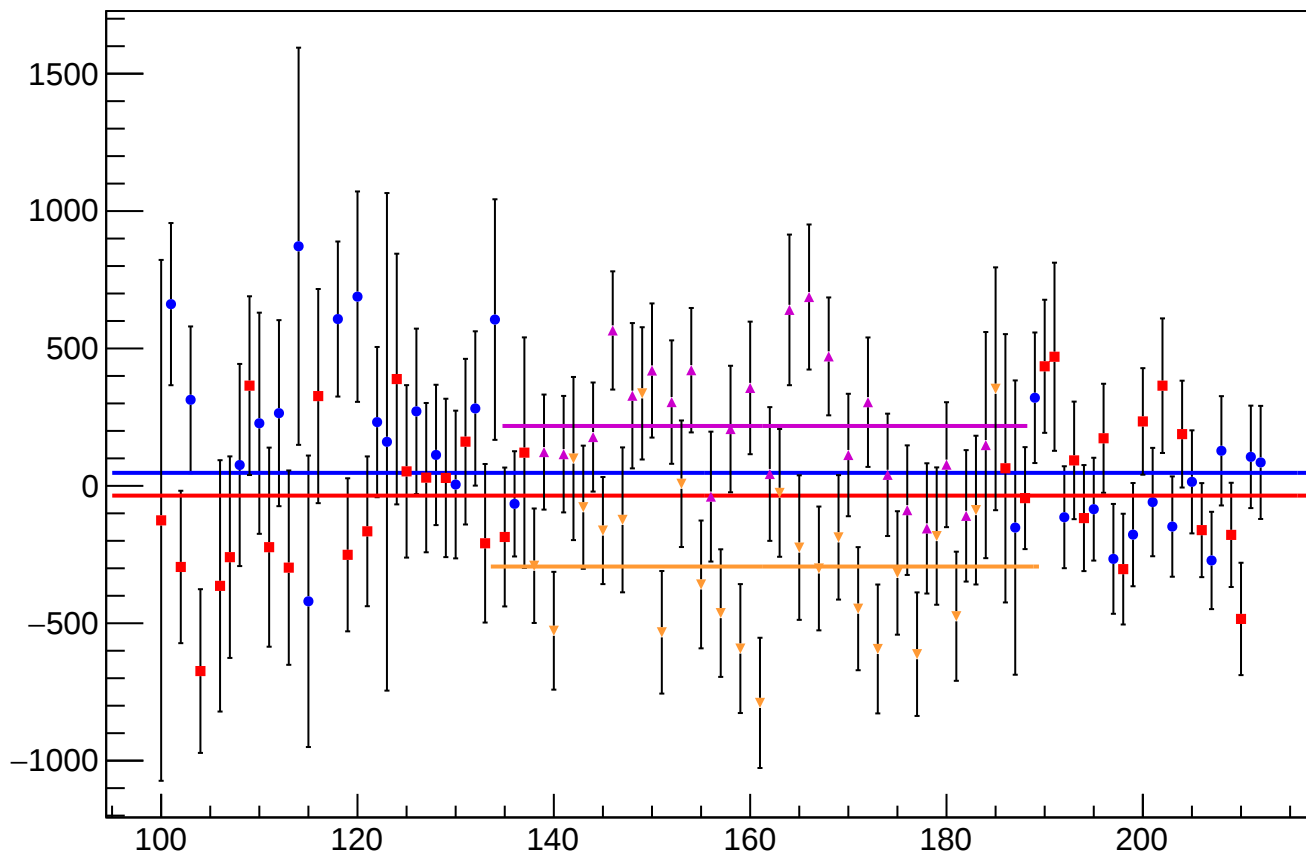
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 667.544 $\pm$ 0.082 χ^2 /NDF: 1430905.6/54

All: 665.209 $\pm$ 0.058 χ^2 /NDF: 3659901.1/110

- sign 662.854 $\pm$ 0.082 χ^2 /NDF: 2227356.2/55

reg_asym_sam_26_dd_mean vs Slug



Right In: 47.342 ± 44.785 χ^2/NDF : 30.2/29

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -35.476 ± 45.004 χ^2/NDF : 34.0/32

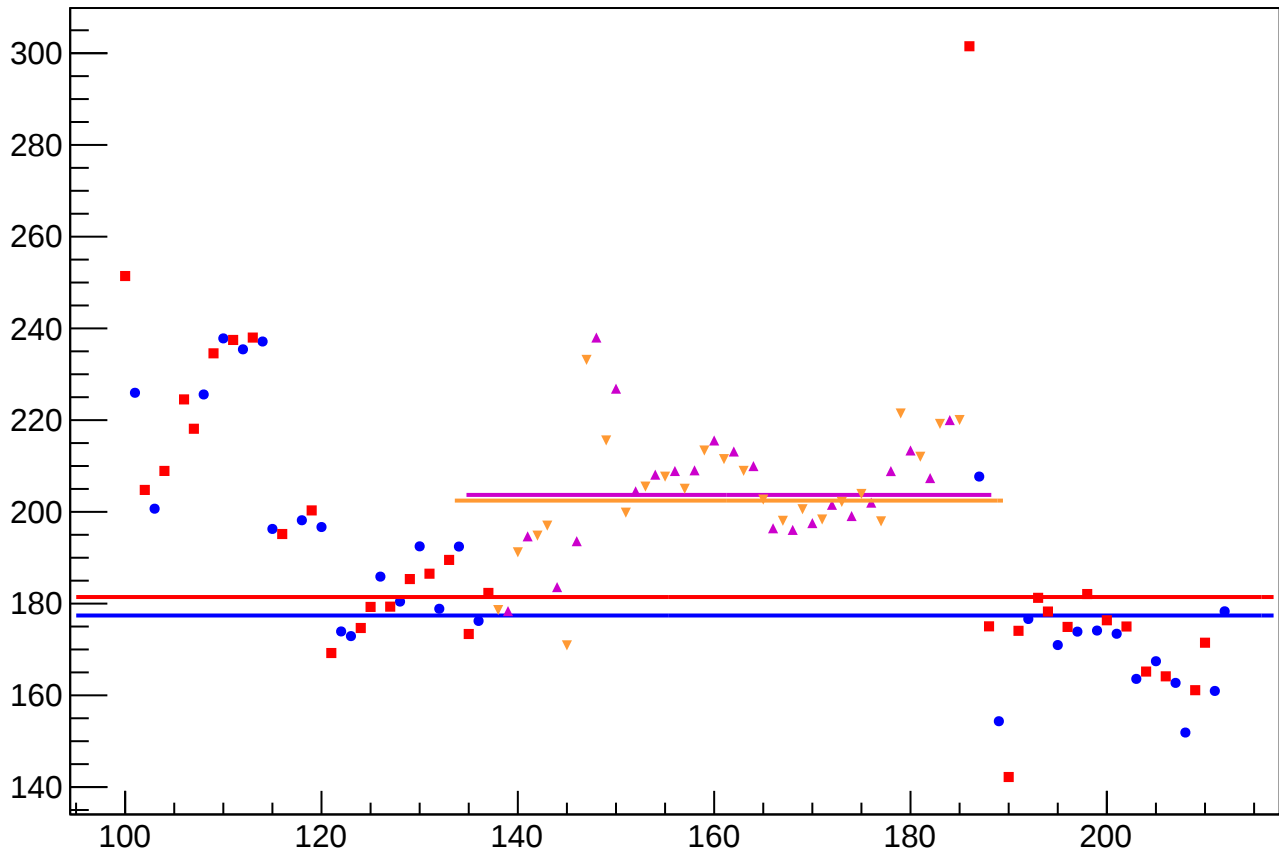
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -114.168 ± 32.489 χ^2/NDF : 87.9/54

All: -18.393 ± 23.182 χ^2/NDF : 175.5/110

- sign 80.956 ± 33.089 χ^2/NDF : 69.9/55

reg_asym_sam_26_dd_rms vs Slug



Right In: 177.405 $\pm$ 0.032 χ^2 /NDF: 359796.8/29

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 181.433 $\pm$ 0.032 χ^2 /NDF: 497554.5/32

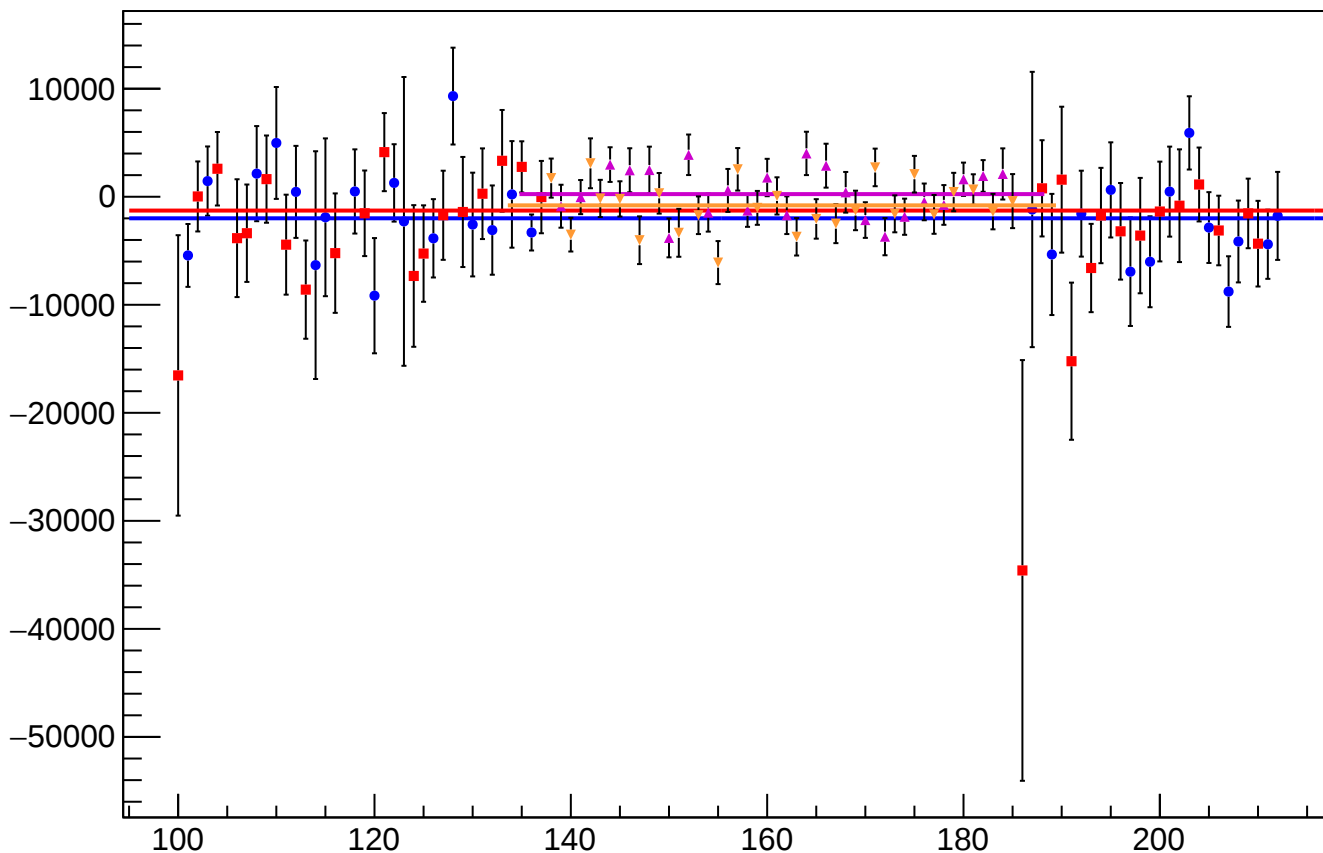
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 189.274 $\pm$ 0.023 χ^2 /NDF: 814895.1/54

All: 190.446 $\pm$ 0.016 χ^2 /NDF: 1678862.3/110

- sign 191.662 $\pm$ 0.023 χ^2 /NDF: 858662.7/55

asym_sam_26_dd_correction_mean vs Slug



Right In: -1994.628 ± 705.598 χ^2/NDF : 30.0/29

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1278.838 ± 734.066 χ^2/NDF : 25.9/32

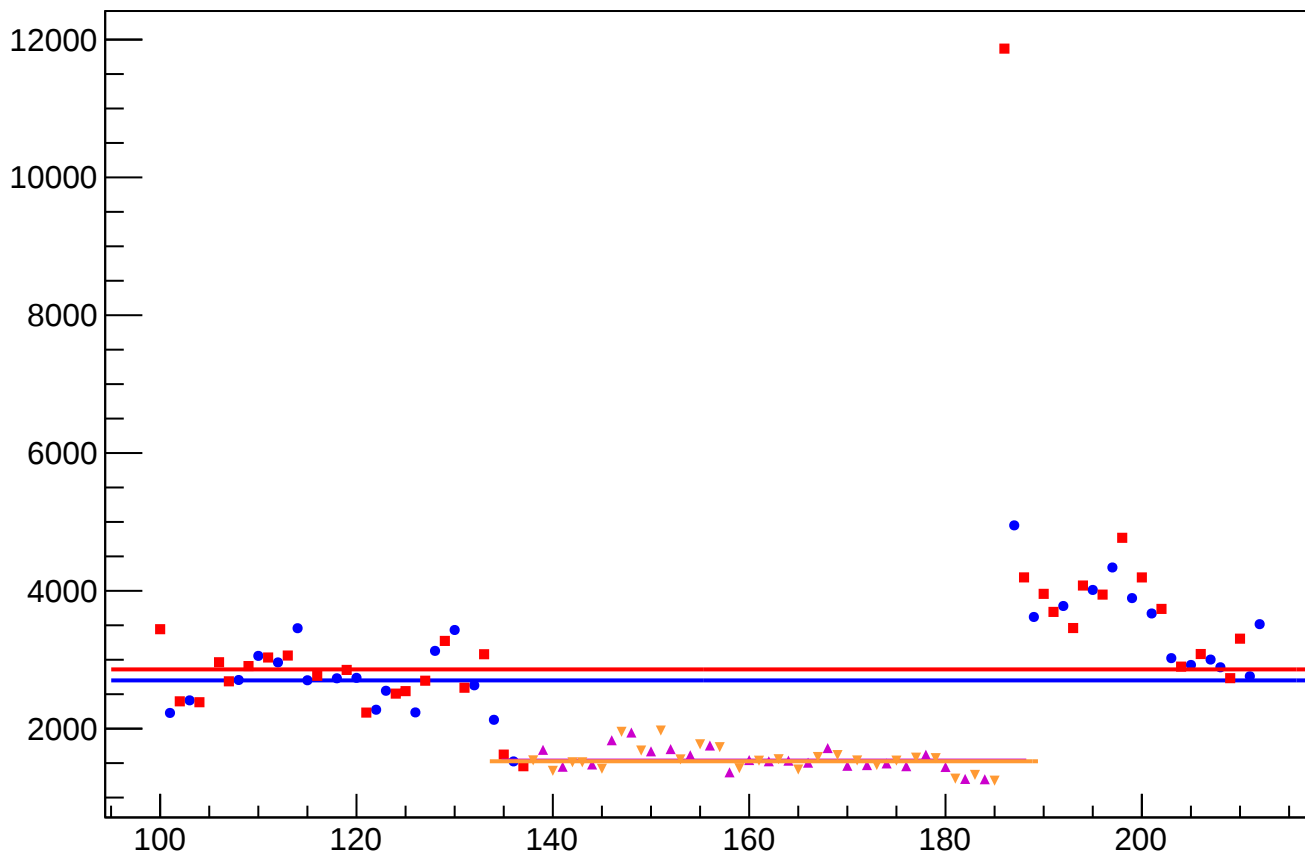
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -1041.646 ± 319.152 χ^2/NDF : 68.0/54

All: -569.311 ± 229.512 χ^2/NDF : 137.6/110

- sign -63.426 ± 330.293 χ^2/NDF : 65.1/55

asym_sam_26_dd_correction_rms vs Slug



Right In: 2700.262+/-0.499 χ^2/NDF : 2300378.4/29

Left Out: 1526.712+/-0.253 χ^2/NDF : 394892.7/24

Right Out: 2859.964+/-0.519 χ^2/NDF : 2615907.5/32

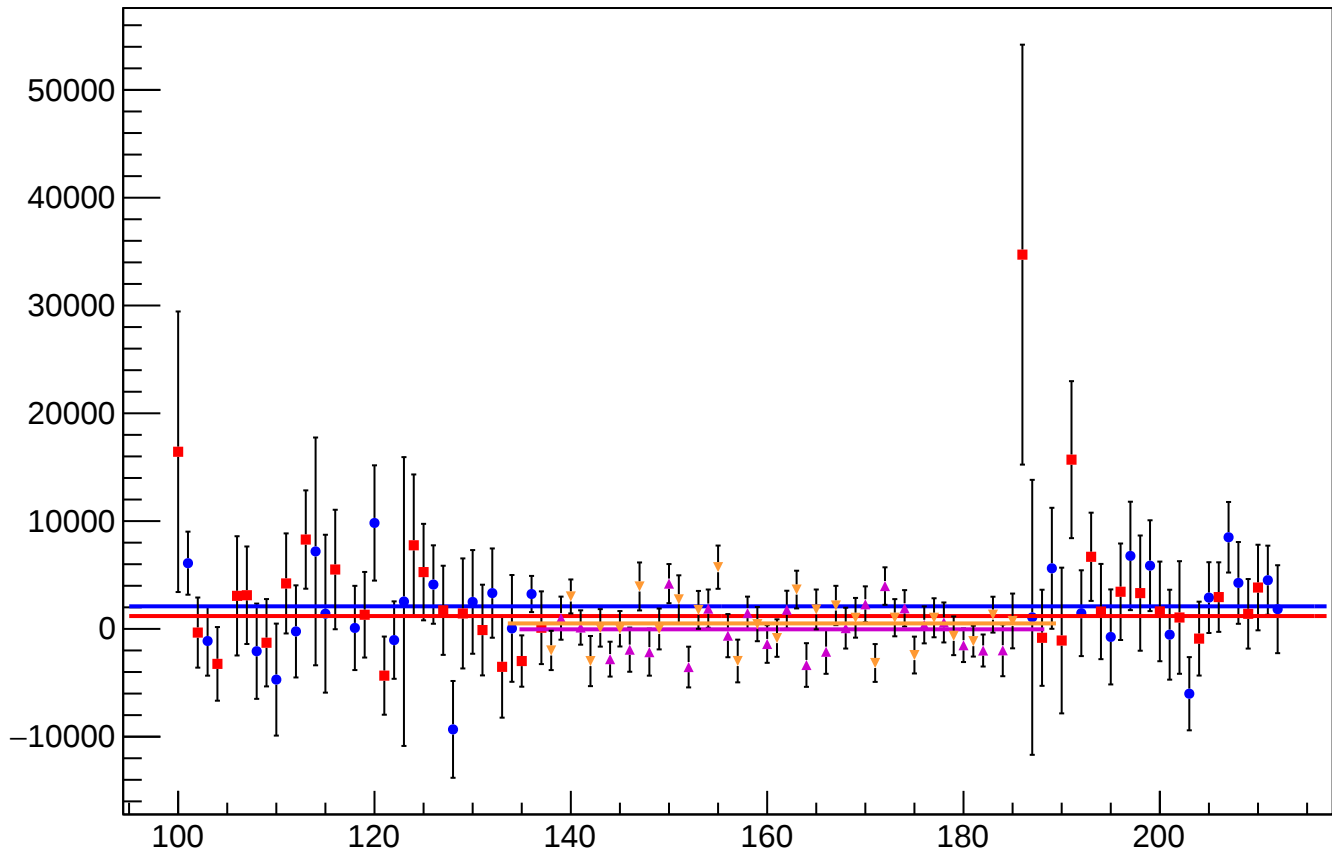
Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22

+ sign 1766.807+/-0.226 χ^2/NDF : 7095856.2/54

All: 1784.993+/-0.162 χ^2/NDF : 15260173.4/100

- sign 1804.471+/-0.234 χ^2/NDF : 8150867.5/55

asym_sam_26_dd_mean vs Slug



Right In: 2093.754 $\pm$ 707.839 χ^2 /NDF: 30.0/29

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 1191.320 $\pm$ 736.270 χ^2 /NDF: 26.4/32

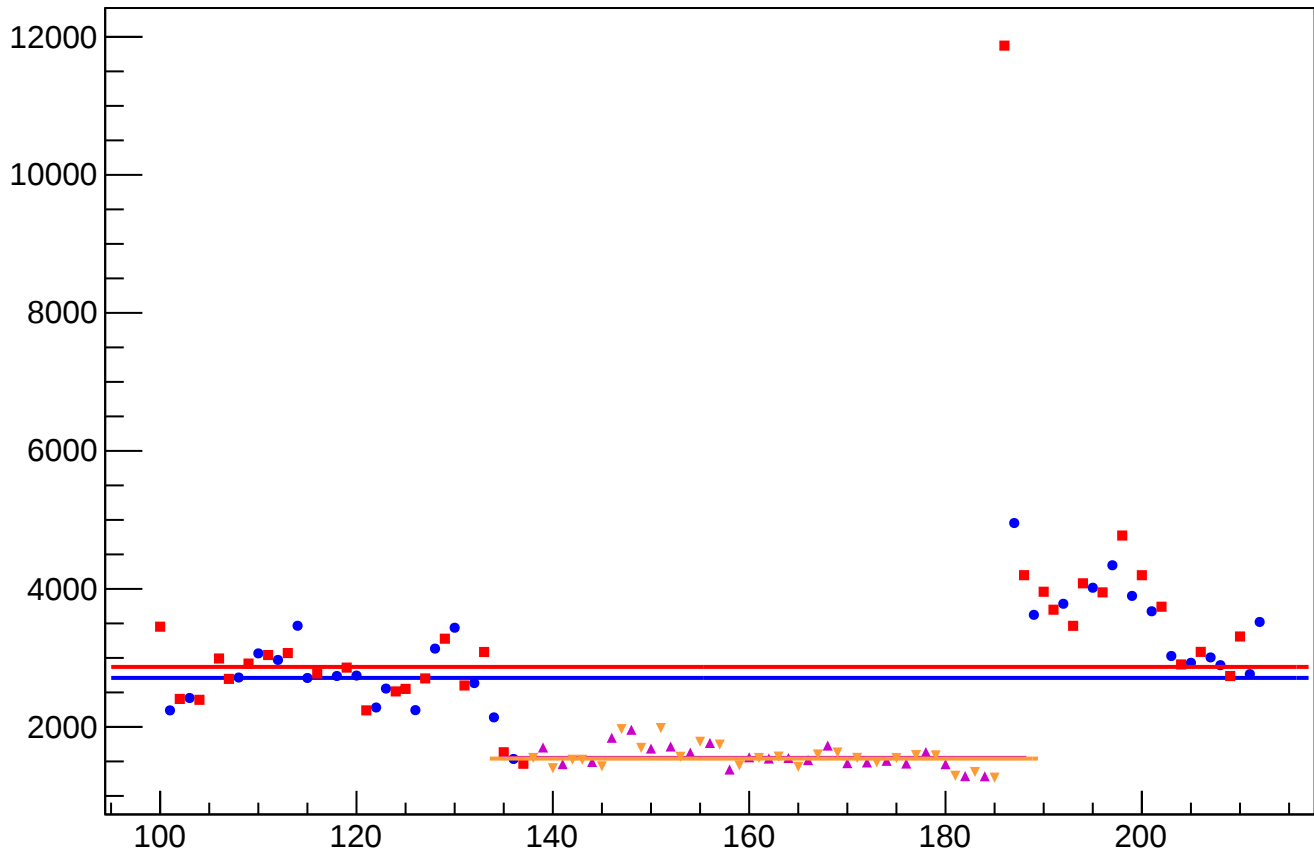
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 835.555 $\pm$ 321.713 χ^2 /NDF: 69.4/54

All: 534.305 $\pm$ 231.347 χ^2 /NDF: 133.5/110

- sign 211.695 $\pm$ 332.923 χ^2 /NDF: 62.3/55

asym_sam_26_dd_rms vs Slug



Right In: 2710.402 $\pm$ 0.501 χ^2 /NDF: 2268217.4/29

Left Out: 1541.258 $\pm$ 0.255 χ^2 /NDF: 382045.4/24

Right Out: 2869.540 $\pm$ 0.521 χ^2 /NDF: 2590381.4/32

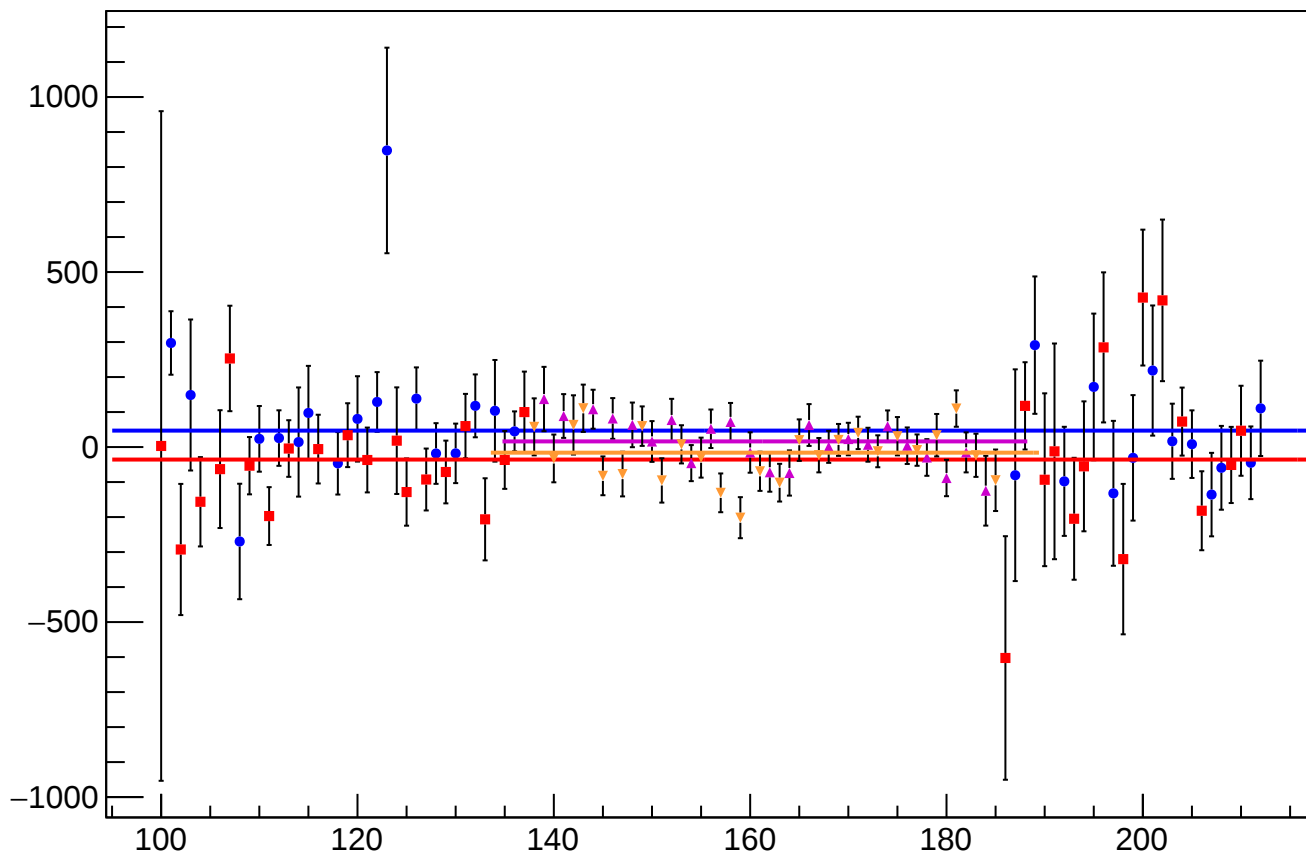
Left In: 1551.063 $\pm$ 0.264 χ^2 /NDF: 338898.9/22

+ sign 1782.769 $\pm$ 0.227 χ^2 /NDF: 6979434.4/54

All: 1801.057 $\pm$ 0.164 χ^2 /NDF: 15024350.5/100

- sign 1820.642 $\pm$ 0.235 χ^2 /NDF: 8031532.1/55

reg_asym_sam_37_dd_mean vs Slug



Right In: 46.982 ± 20.280 χ^2/NDF : 33.5/29

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -35.712 ± 20.605 χ^2/NDF : 39.5/32

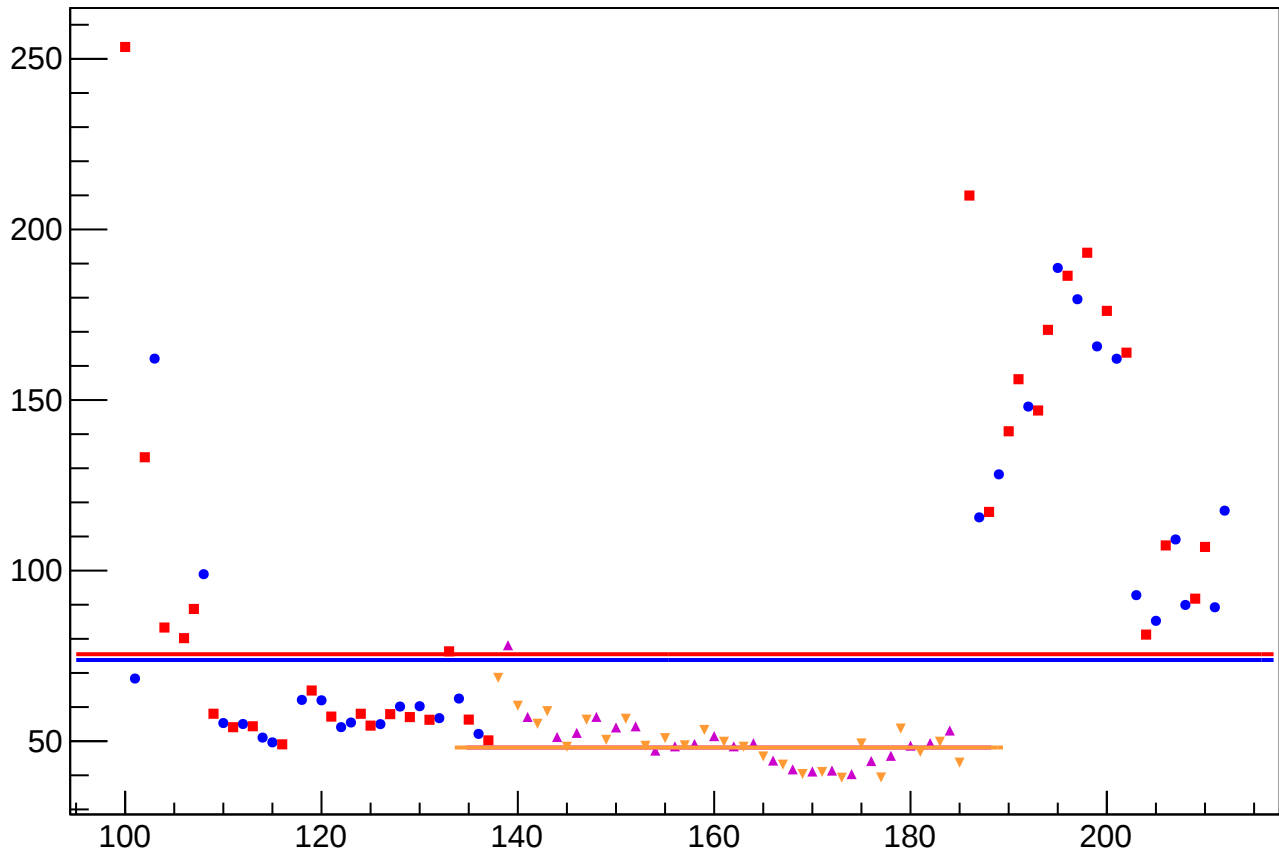
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -1.036 ± 9.898 χ^2/NDF : 80.5/54

All: 1.224 ± 7.083 χ^2/NDF : 150.1/110

- sign 3.596 ± 10.141 χ^2/NDF : 69.5/55

reg_asym_sam_37_dd_rms vs Slug



Right In: 73.796 $\pm$ 0.014 χ^2 /NDF: 4716354.7/29

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 75.493 $\pm$ 0.015 χ^2 /NDF: 5429354.1/32

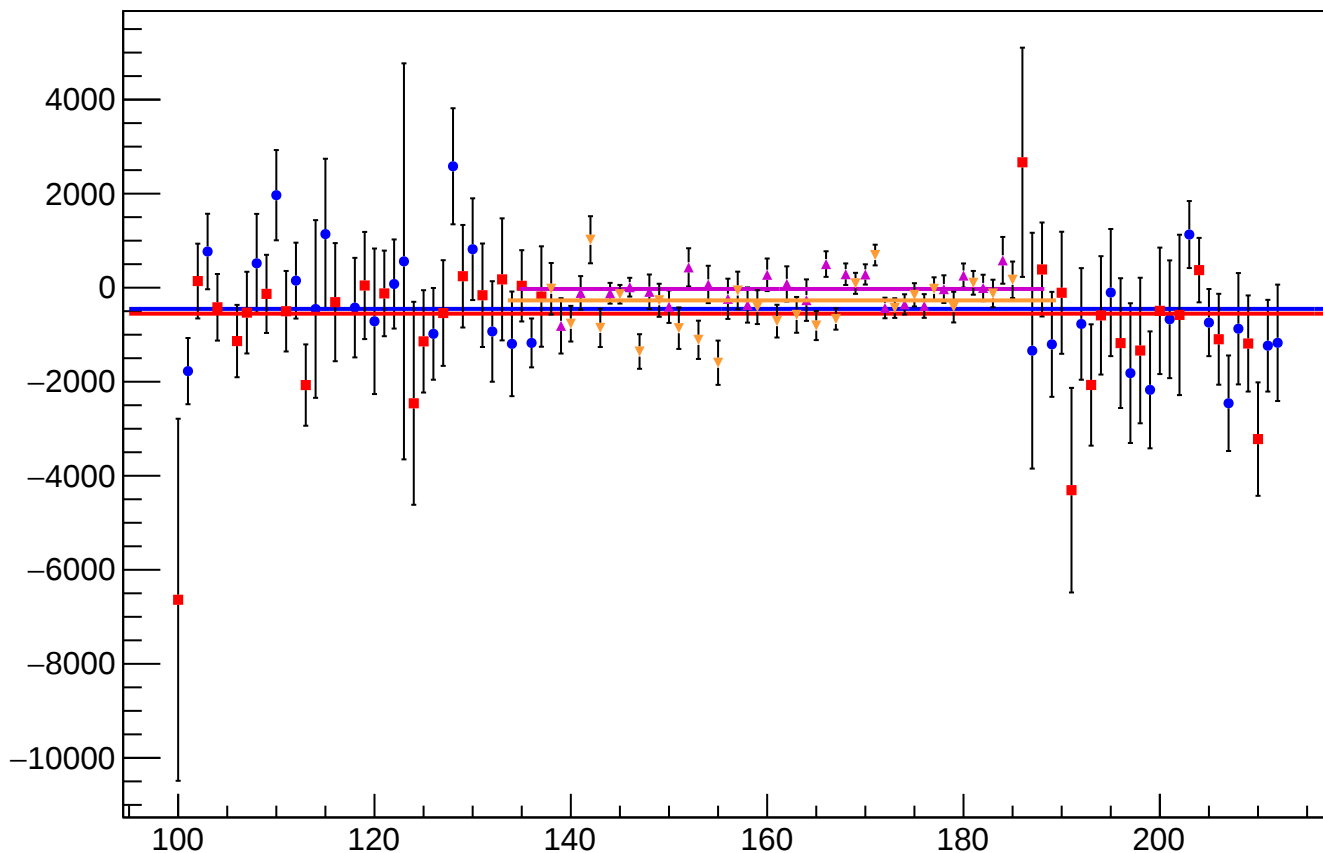
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 54.252 $\pm$ 0.007 χ^2 /NDF: 7809942.7/54

All: 54.502 $\pm$ 0.005 χ^2 /NDF: 16487922.9/110

- sign 54.765 $\pm$ 0.007 χ^2 /NDF: 8675354.6/55

asym_sam_37_dd_correction_mean vs Slug



Right In: -451.009 ± 184.235 χ^2/NDF : 38.9/29

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -552.296 ± 182.465 χ^2/NDF : 25.5/32

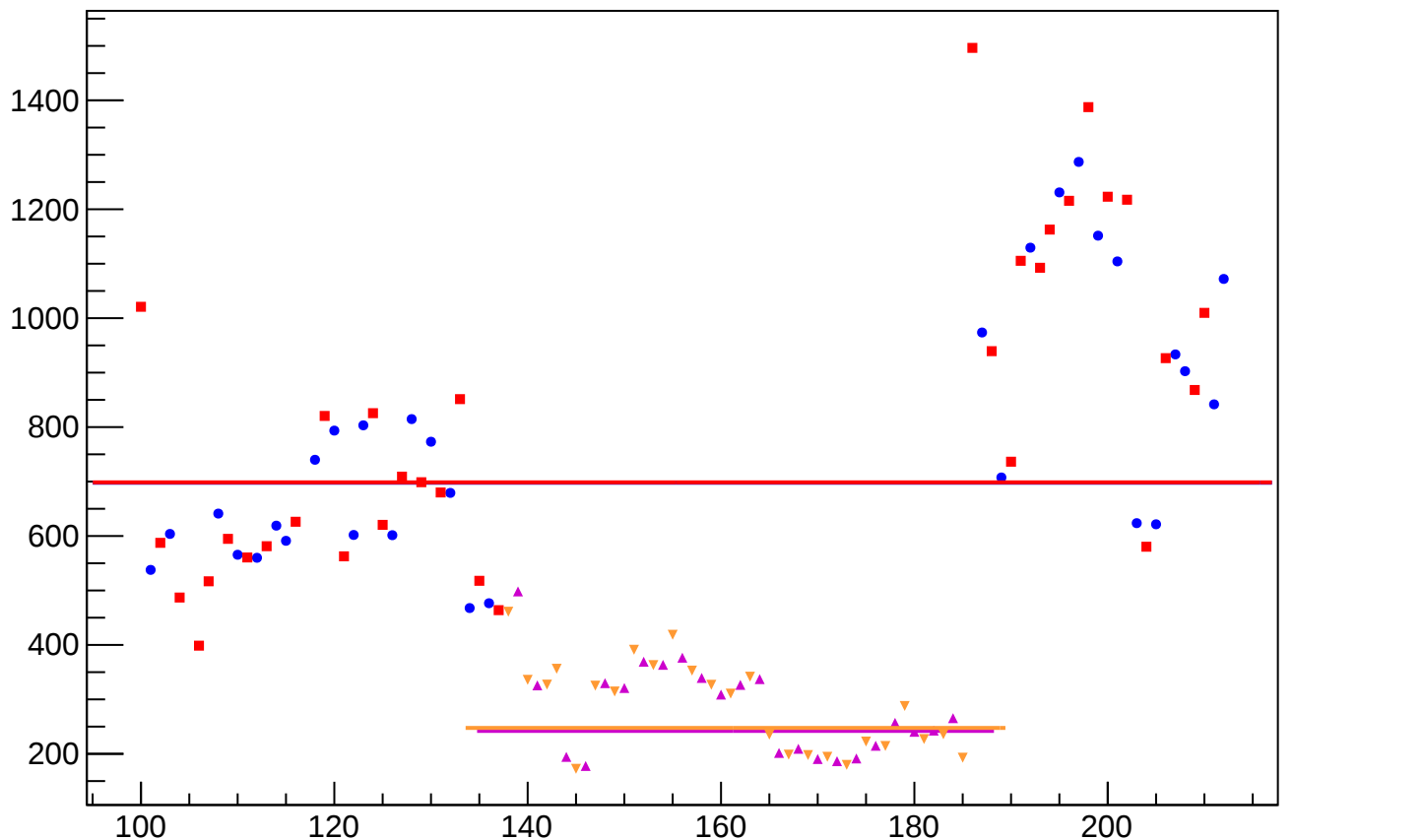
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -287.643 ± 57.203 χ^2/NDF : 109.9/54

All: -183.701 ± 40.506 χ^2/NDF : 174.5/110

- sign -79.167 ± 57.366 χ^2/NDF : 58.0/55

asym_sam_37_dd_correction_rms vs Slug



Right In: 697.832 $\pm$ 0.130 χ^2 /NDF: 2602876.2/29

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 698.545 $\pm$ 0.129 χ^2 /NDF: 3458701.1/32

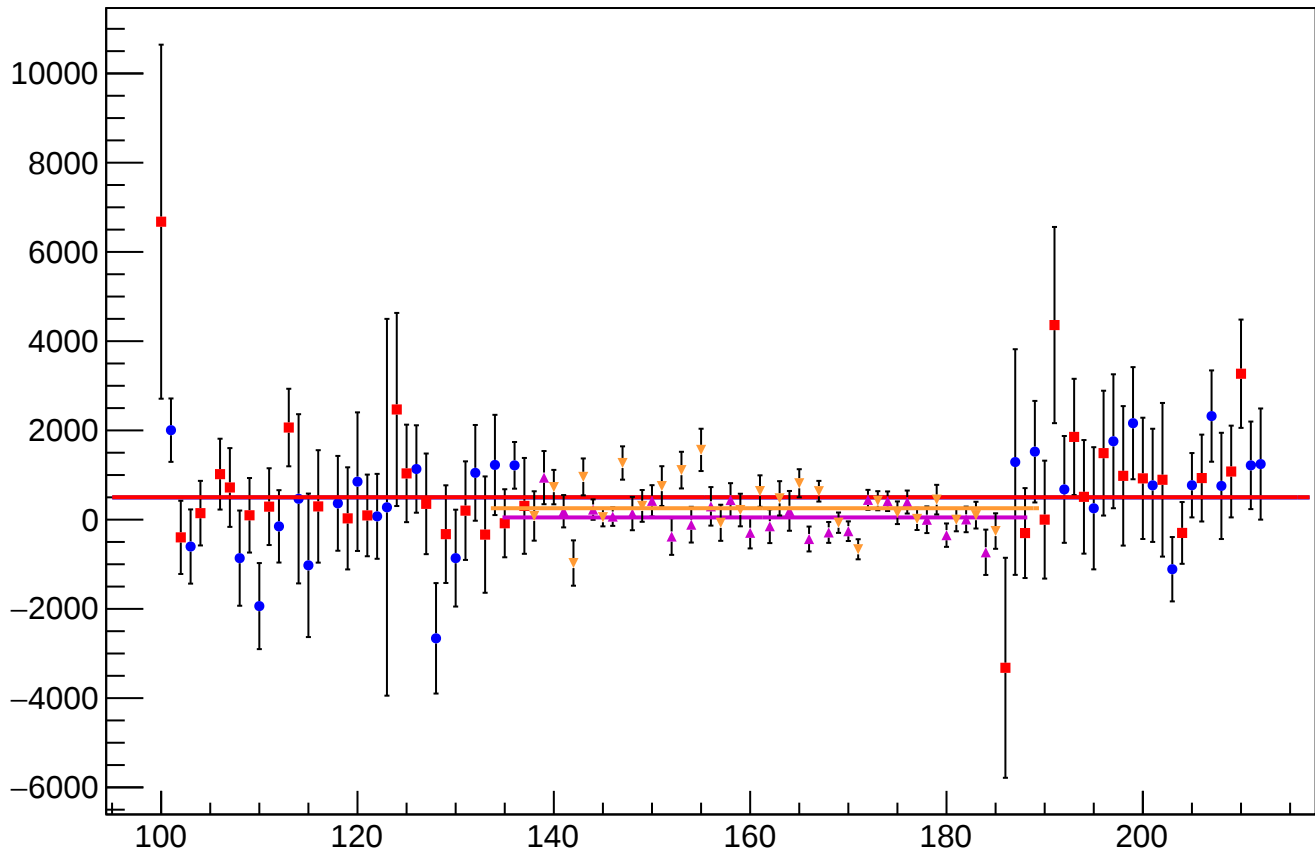
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 290.978 $\pm$ 0.040 χ^2 /NDF: 16178029.9/54

All: 289.110 $\pm$ 0.029 χ^2 /NDF: 33384654.6/1

- sign 287.232 $\pm$ 0.041 χ^2 /NDF: 17202348.5/55

asym_sam_37_dd_mean vs Slug



Right In: 496.563 ± 185.904 χ^2/NDF : 39.8/29

Left Out: 255.995 ± 61.418 χ^2/NDF : 63.6/24

Right Out: 502.901 ± 184.453 χ^2/NDF : 26.2/32

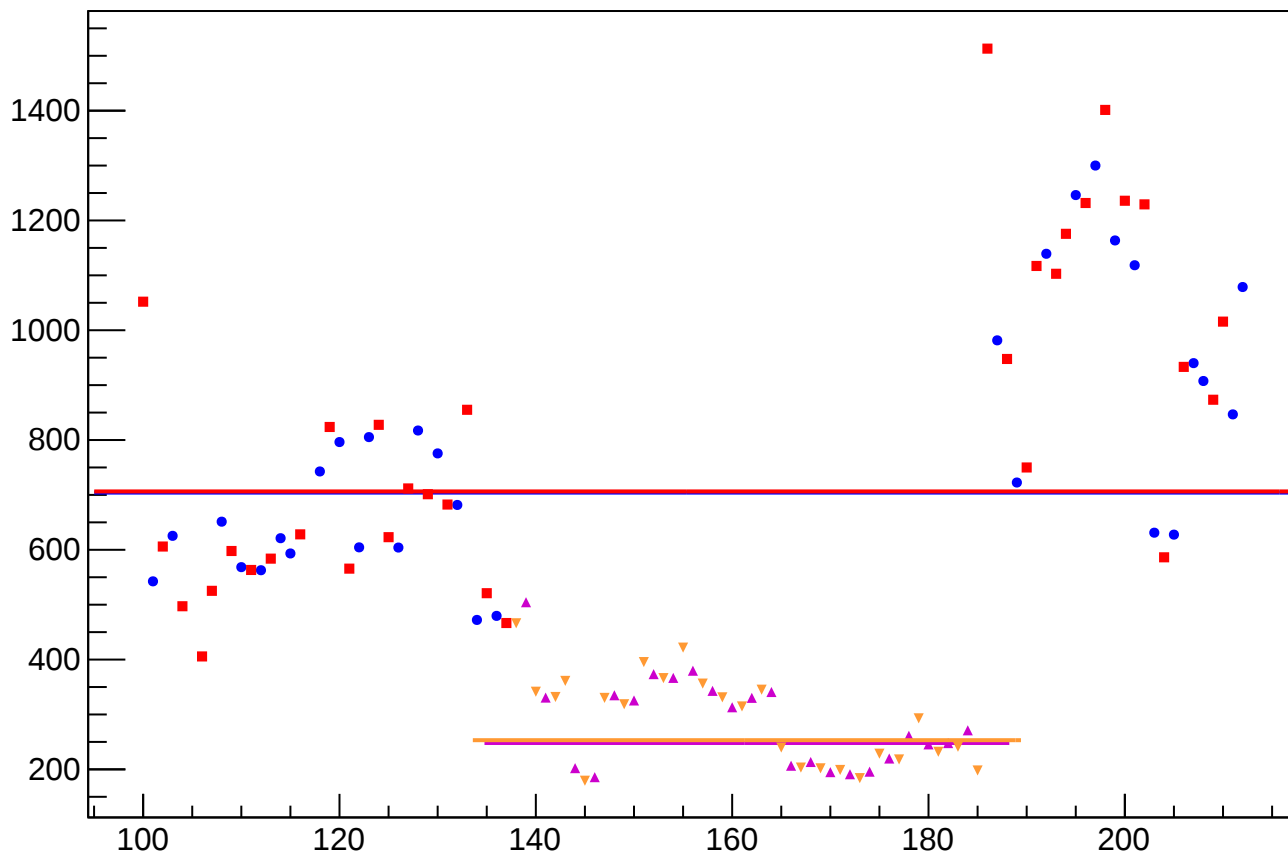
Left In: 49.832 ± 61.781 χ^2/NDF : 27.5/22

+ sign 279.669 ± 58.318 χ^2/NDF : 104.9/54

All: 188.017 ± 41.330 χ^2/NDF : 169.0/110

- sign 95.533 ± 58.582 χ^2/NDF : 59.1/55

asym_sam_37_dd_rms vs Slug



Right In: 704.208 $\pm$ 0.131 χ^2 /NDF: 2602974.7/29

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 706.339 $\pm$ 0.130 χ^2 /NDF: 3426104.5/32

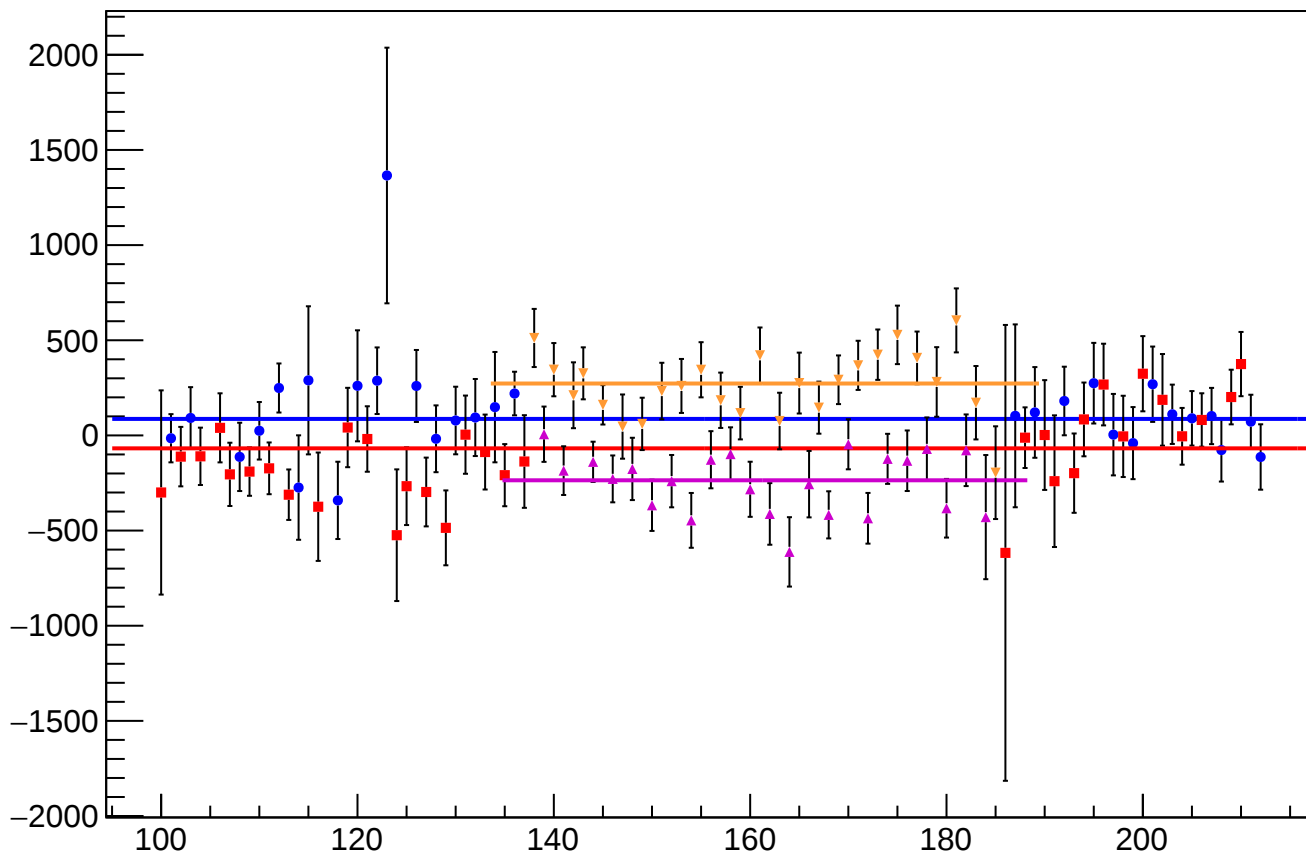
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 297.526 $\pm$ 0.041 χ^2 /NDF: 15884726.5/54

All: 295.917 $\pm$ 0.029 χ^2 /NDF: 32757195.4/11

- sign 294.294 $\pm$ 0.041 χ^2 /NDF: 16869412.4/55

reg_asym_sam_48_dd_mean vs Slug



Right In: 86.713 $\pm$ 32.660 χ^2 /NDF: 22.9/29

Left Out: 272.684 $\pm$ 29.221 χ^2 /NDF:27.4/24

Right Out: -67.986 $\pm$ 32.179 χ^2 /NDF: 38.5/32

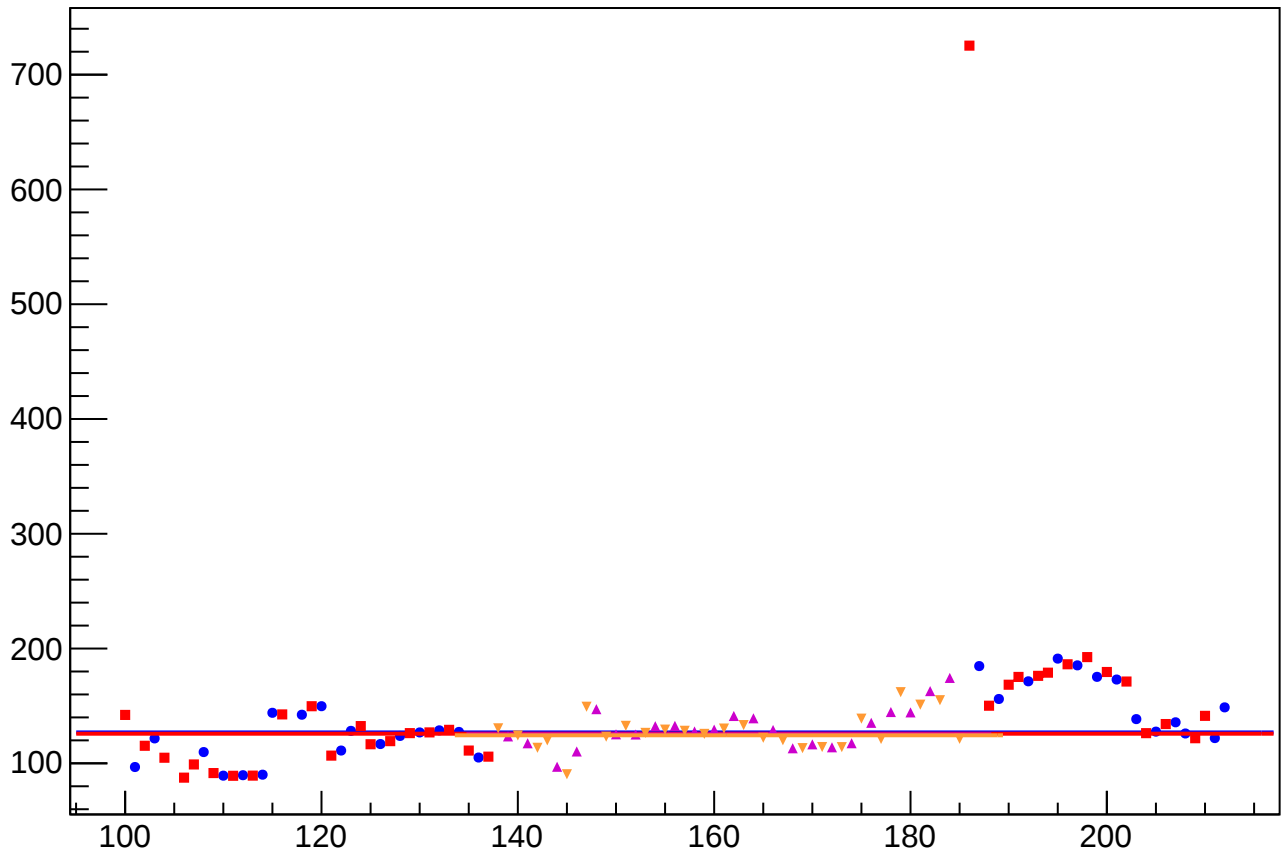
Left In: -235.801 $\pm$ 30.232 χ^2 /NDF:24.6/22

+ sign 190.002 $\pm$ 21.777 χ^2 /NDF: 68.3/54

All: 18.468 $\pm$ 15.489 χ^2 /NDF: 271.4/110

- sign -157.125 $\pm$ 22.033 χ^2 /NDF: 77.6/55

reg_asym_sam_48_dd_rms vs Slug



Right In: 126.912 $\pm$ 0.023 χ^2 /NDF: 1390992.6/29

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 125.804 $\pm$ 0.023 χ^2 /NDF: 2228500.6/32

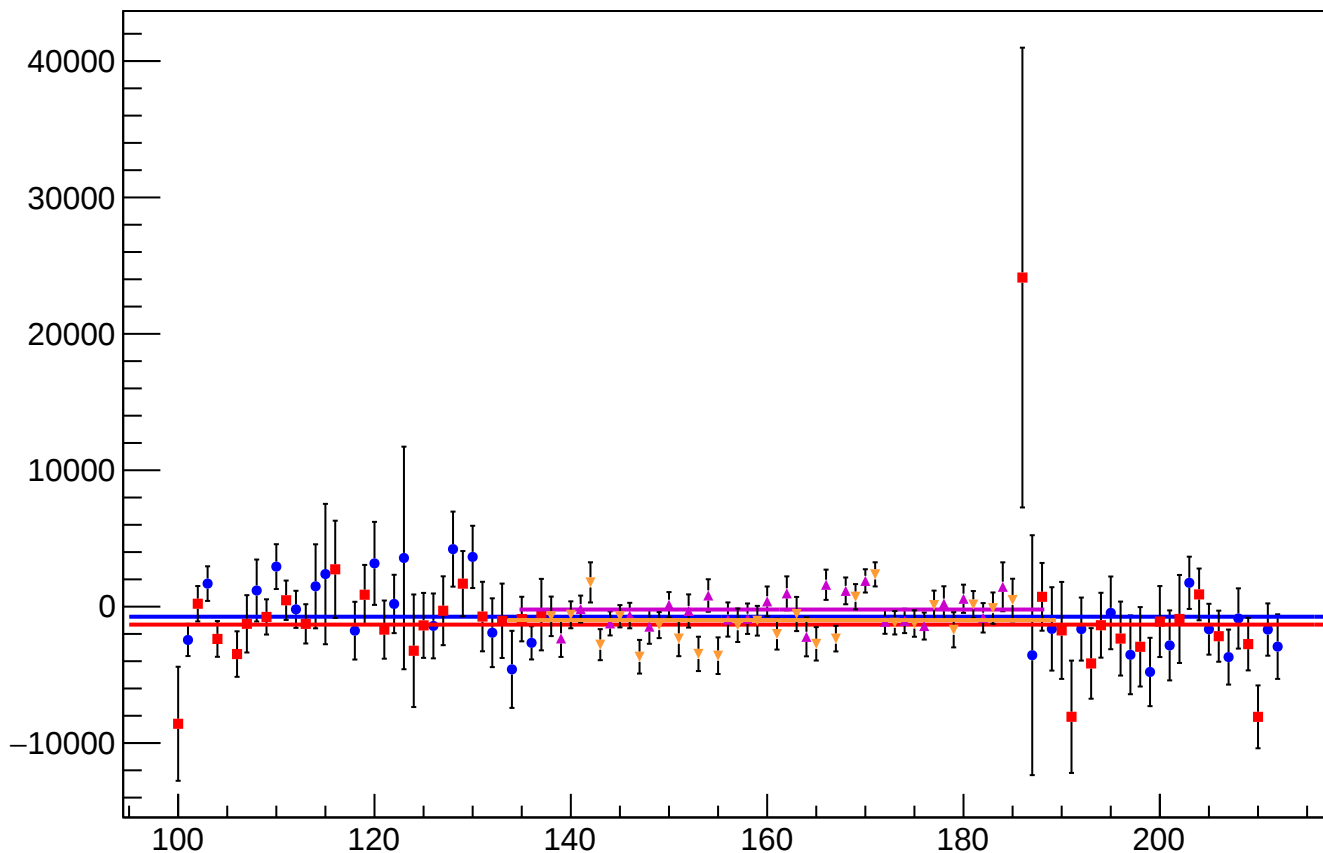
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 125.533 $\pm$ 0.015 χ^2 /NDF: 1937147.8/54

All: 125.510 $\pm$ 0.011 χ^2 /NDF: 4667408.9/110

- sign 125.486 $\pm$ 0.016 χ^2 /NDF: 2730256.4/55

asym_sam_48_dd_correction_mean vs Slug



Right In: -739.332 ± 379.289 χ^2/NDF : 36.2/29

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1317.150 ± 367.278 χ^2/NDF : 31.0/32

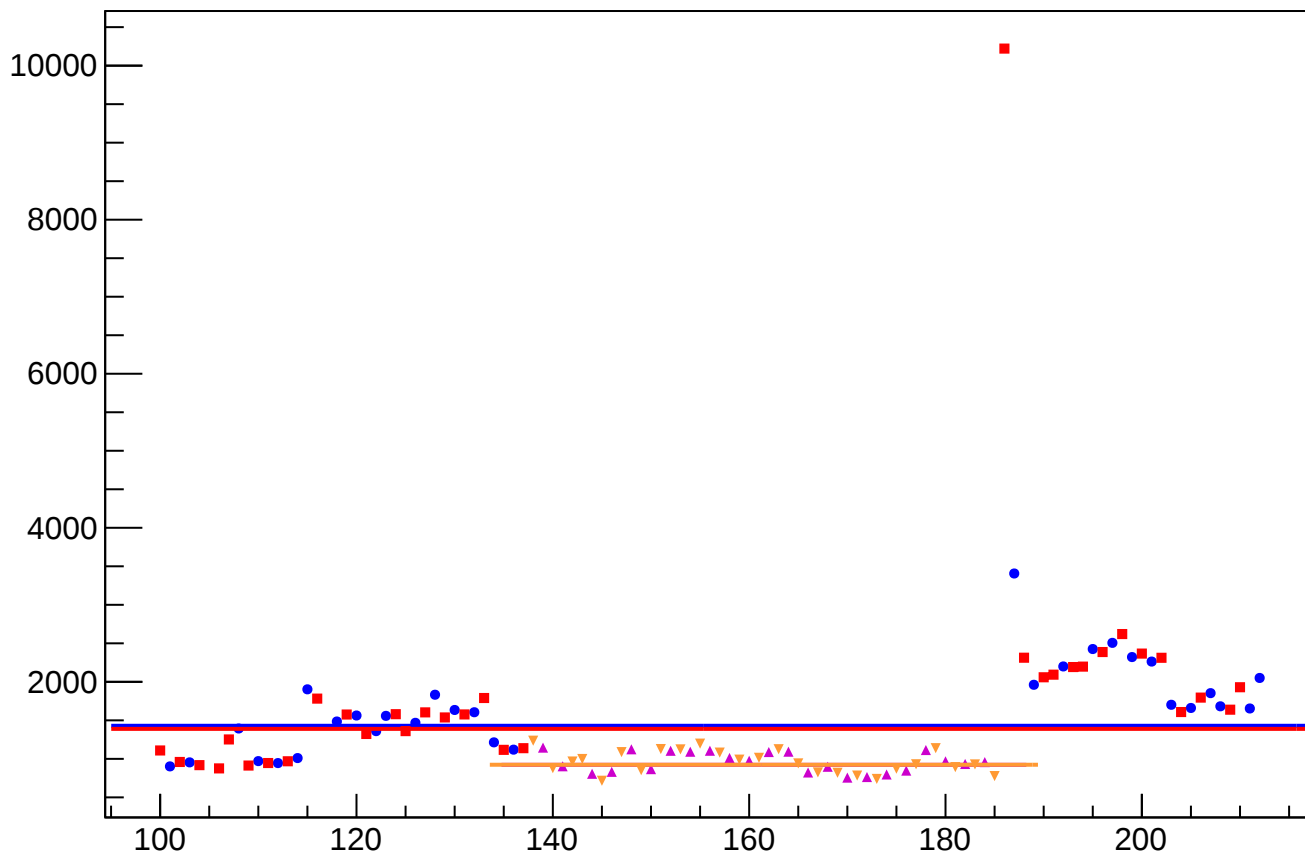
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -922.363 ± 189.019 χ^2/NDF : 83.7/54

All: -718.033 ± 134.282 χ^2/NDF : 149.4/110

- sign -509.833 ± 190.800 χ^2/NDF : 63.3/55

asym_sam_48_dd_correction_rms vs Slug



Right In: 1429.437 $\pm$ 0.268 χ^2 /NDF: 3119112.1/29

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

Right Out: 1389.376 $\pm$ 0.260 χ^2 /NDF: 4228135.1/32

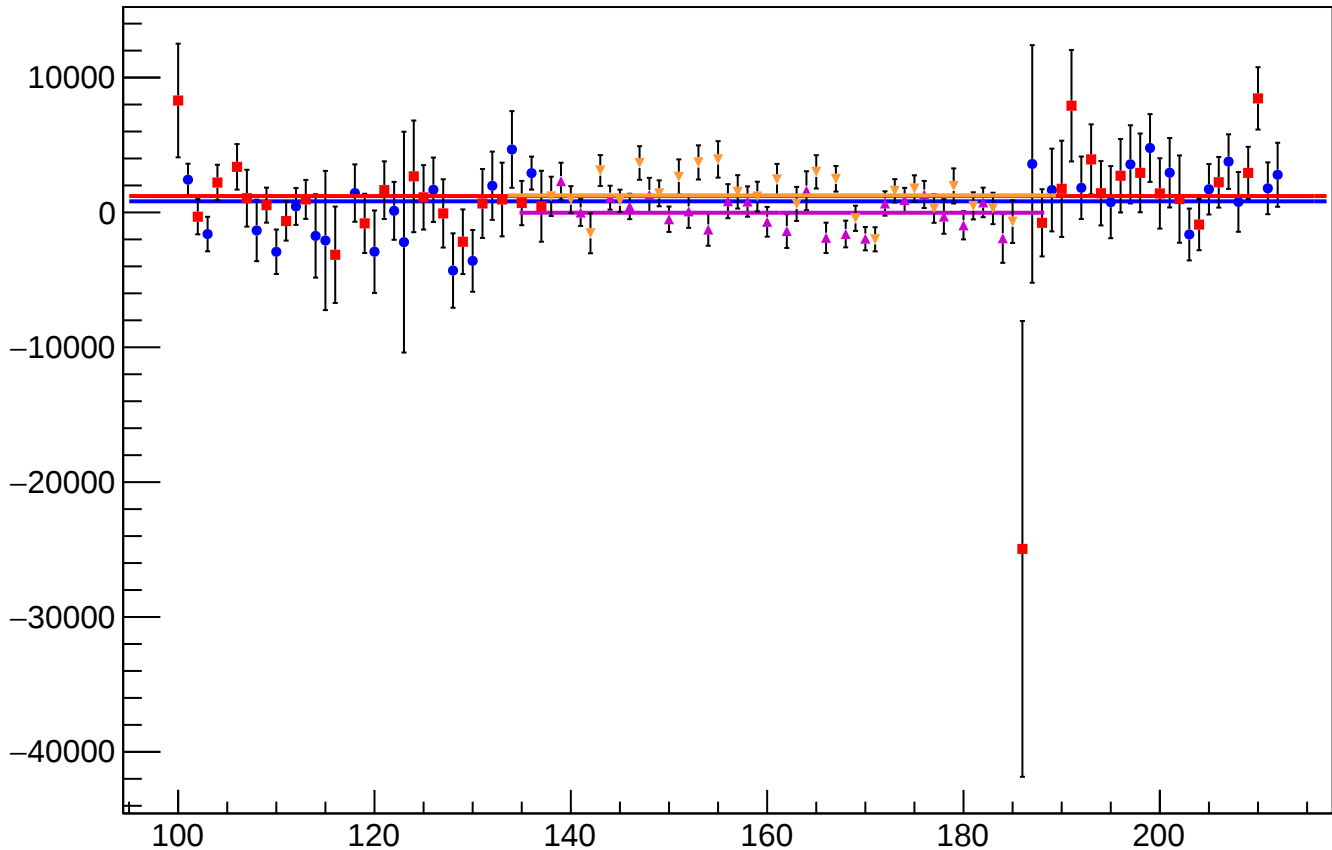
Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

+ sign 1049.216 $\pm$ 0.134 χ^2 /NDF: 6635783.7/54

All: 1048.769 $\pm$ 0.095 χ^2 /NDF: 13860826.0/100

- sign 1048.314 $\pm$ 0.135 χ^2 /NDF: 7225019.8/55

asym_sam_48_dd_mean vs Slug



Right In: 823.033 ± 380.907 χ^2/NDF : 36.0/29

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 1212.903 ± 369.024 χ^2/NDF : 32.9/32

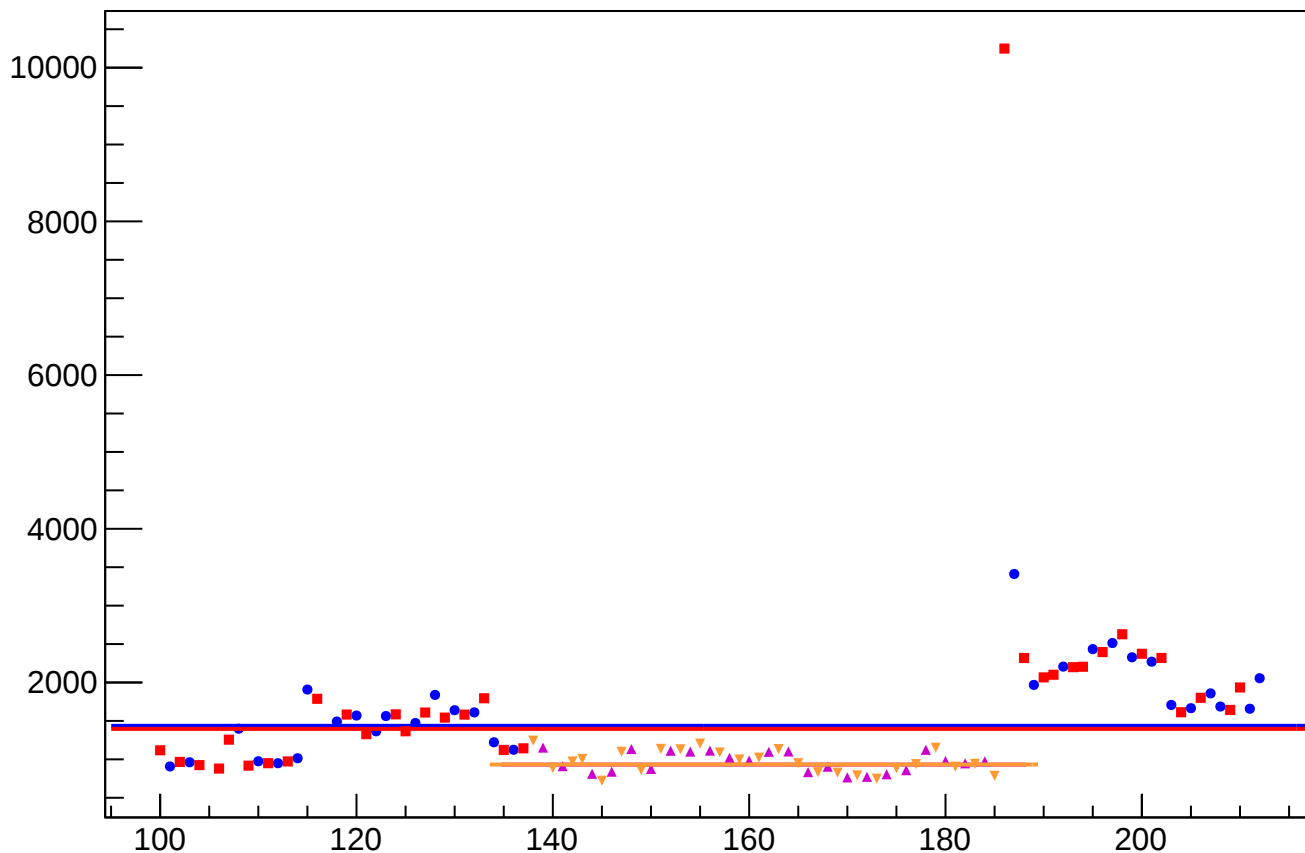
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1156.102 ± 190.594 χ^2/NDF : 81.9/54

All: 738.382 ± 135.409 χ^2/NDF : 159.9/110

- sign 312.654 ± 192.412 χ^2/NDF : 68.3/55

asym_sam_48_dd_rms vs Slug



Right In: 1436.082+/-0.269 χ^2/NDF : 3098806.0/29

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1396.397+/-0.261 χ^2/NDF : 4203638.0/32

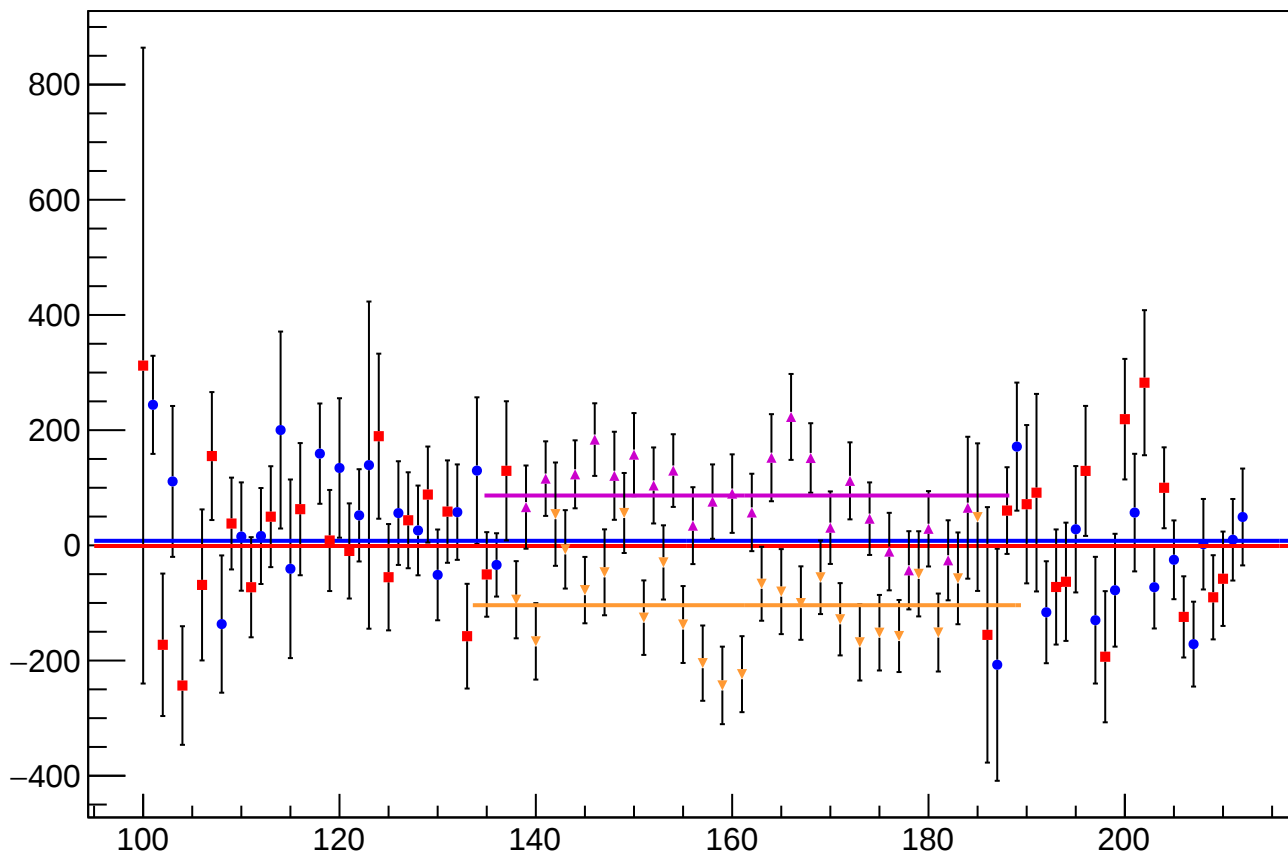
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1058.779+/-0.135 χ^2/NDF : 6546329.1/54

All: 1058.336+/-0.096 χ^2/NDF : 13685734.4/100

- sign 1057.885+/-0.136 χ^2/NDF : 7139383.4/55

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 7.901 ± 16.552 χ^2/NDF : 34.1/29

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: -1.087 ± 16.761 χ^2/NDF : 43.6/32

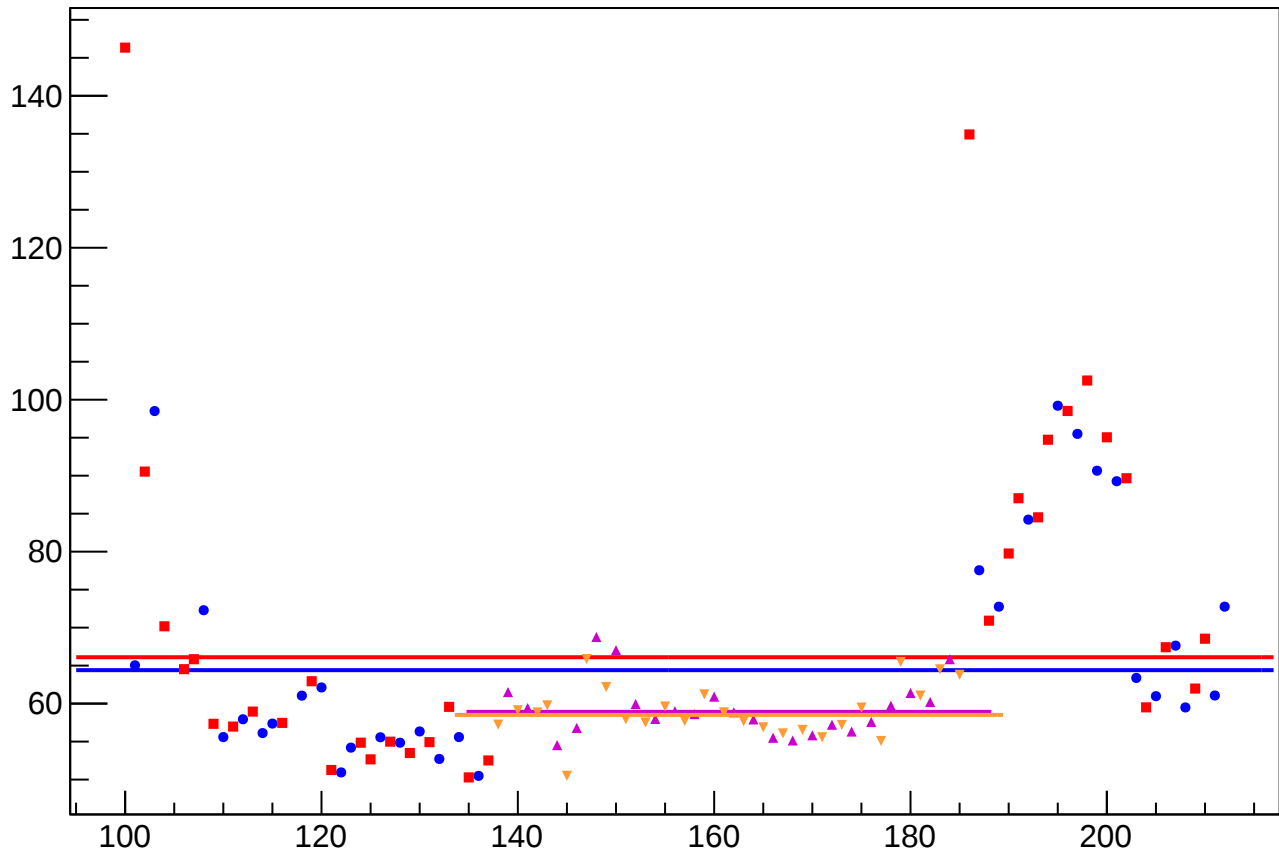
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -58.674 ± 10.527 χ^2/NDF : 91.2/54

All: -5.639 ± 7.538 χ^2/NDF : 224.2/110

- sign 50.168 ± 10.799 χ^2/NDF : 80.9/55

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.401 $\pm$ 0.012 χ^2 /NDF: 1278169.5/29

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 66.105 $\pm$ 0.012 χ^2 /NDF: 1650765.1/32

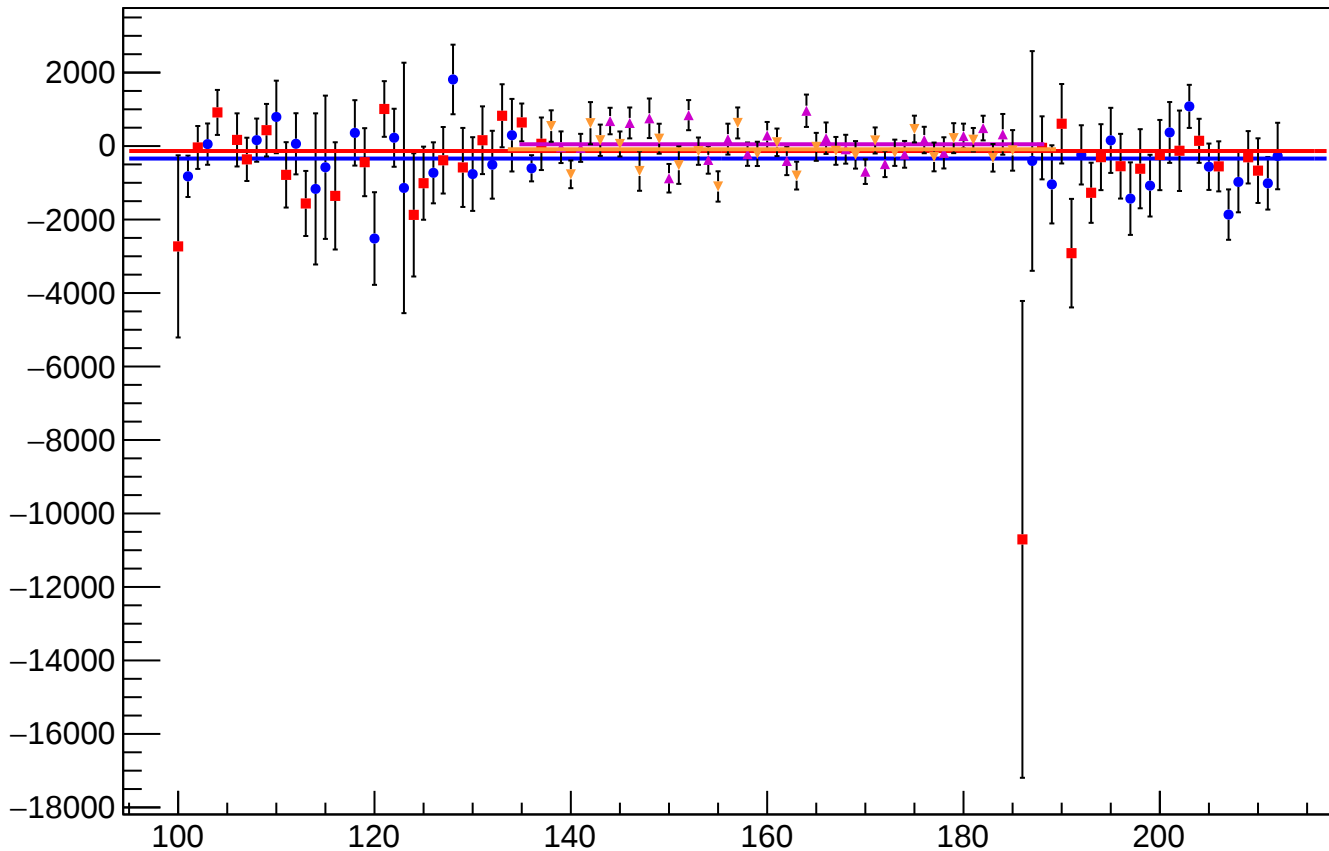
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 60.895 $\pm$ 0.007 χ^2 /NDF: 1552086.8/54

All: 61.384 $\pm$ 0.005 χ^2 /NDF: 3537015.6/110

- sign 61.898 $\pm$ 0.008 χ^2 /NDF: 1976069.0/55

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -340.255 ± 142.427 χ^2/NDF : 30.3/29

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -135.144 ± 144.561 χ^2/NDF : 27.1/32

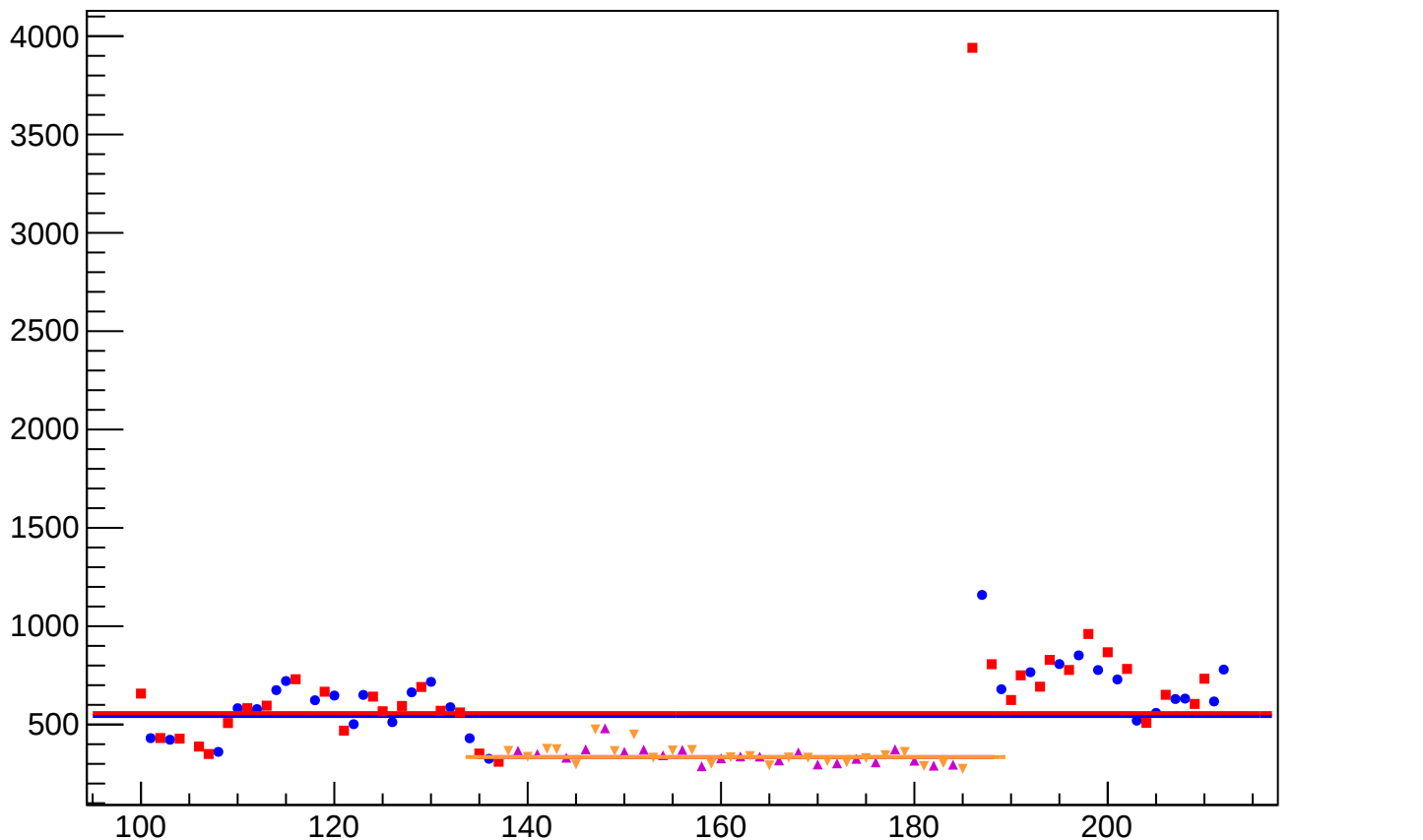
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -146.424 ± 68.787 χ^2/NDF : 60.5/54

All: -72.339 ± 49.187 χ^2/NDF : 126.5/110

- sign 5.178 ± 70.362 χ^2/NDF : 63.7/55

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 543.355+/-0.101 χ^2/NDF : 2419981.7/29

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

+ sign 383.407+/-0.049 χ^2/NDF : 6201004.7/54

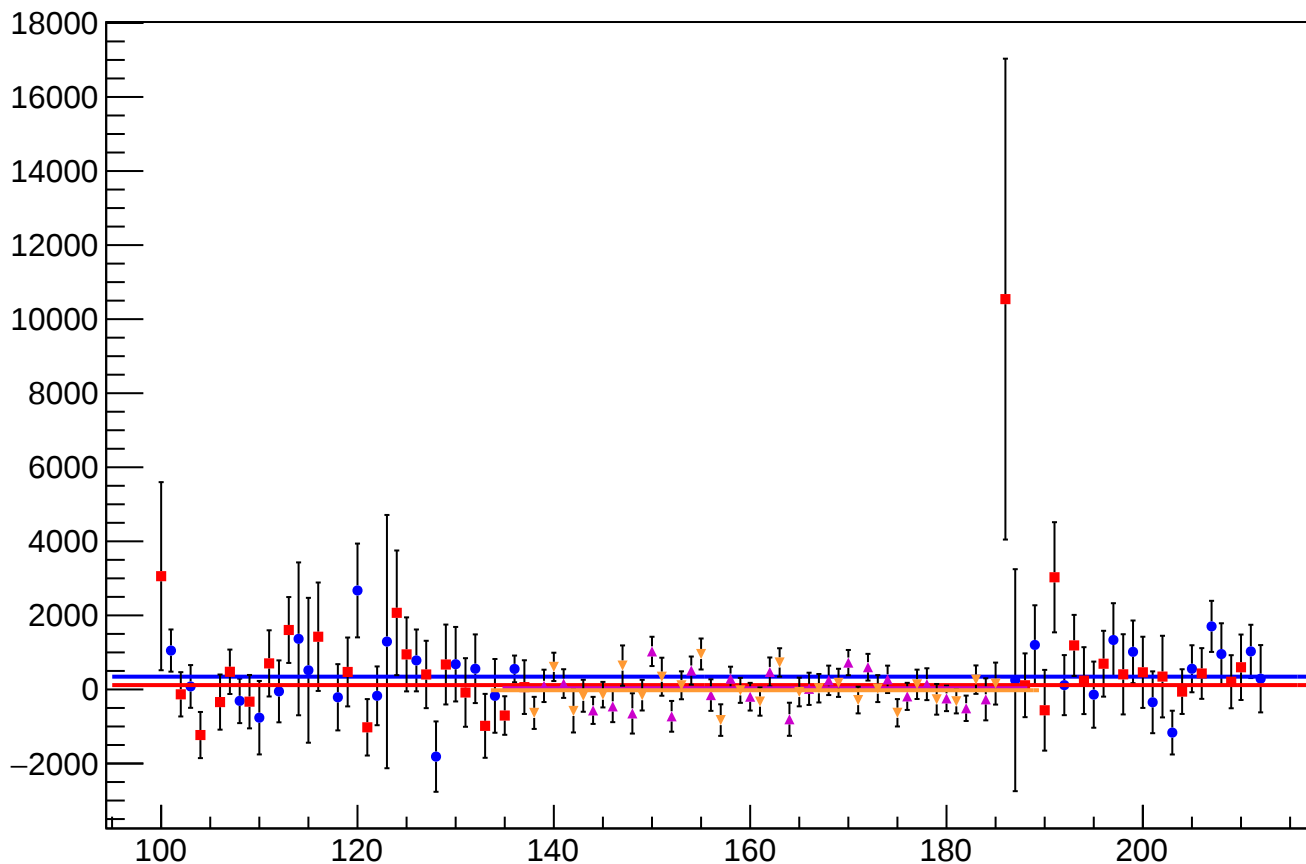
Right Out: 558.175+/-0.102 χ^2/NDF : 3066139.6/32

All: 385.271+/-0.035 χ^2/NDF : 13332670.5/13

- sign 387.221+/-0.050 χ^2/NDF : 7128660.8/55

Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

asym_sam_13_57_dd_mean vs Slug



Right In: 345.333 ± 143.796 χ^2/NDF : 30.4/29

Left Out: -20.895 ± 79.812 χ^2/NDF : 27.2/24

Right Out: 117.541 ± 146.024 χ^2/NDF : 30.1/32

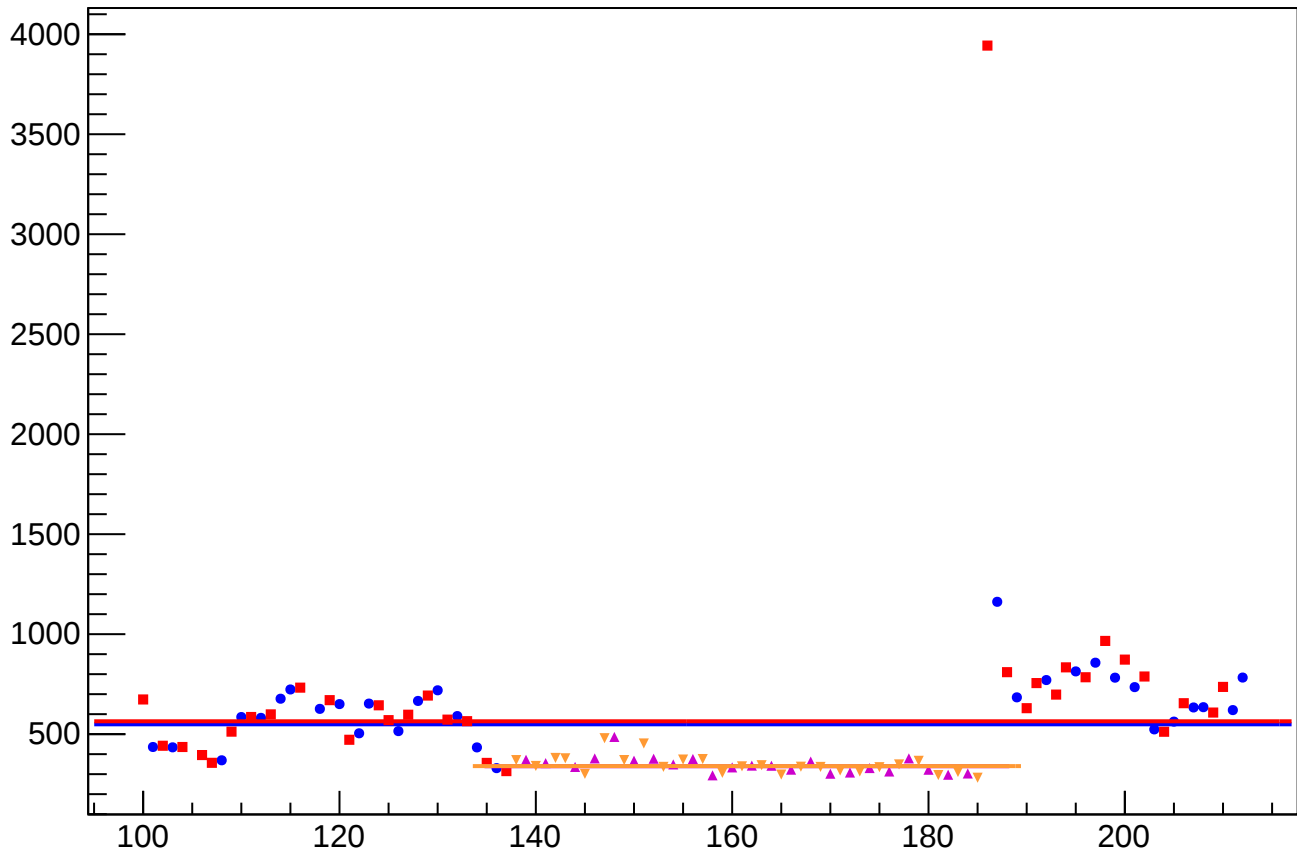
Left In: 31.800 ± 81.839 χ^2/NDF : 34.0/22

+ sign 65.355 ± 69.784 χ^2/NDF : 62.6/54

All: 58.974 ± 49.903 χ^2/NDF : 127.0/110

- sign 52.294 ± 71.392 χ^2/NDF : 64.4/55

asym_sam_13_57_dd_rms vs Slug



Right In: 549.237 $\pm$ 0.102 χ^2 /NDF: 2353720.8/29

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 564.409 $\pm$ 0.103 χ^2 /NDF: 2997230.2/32

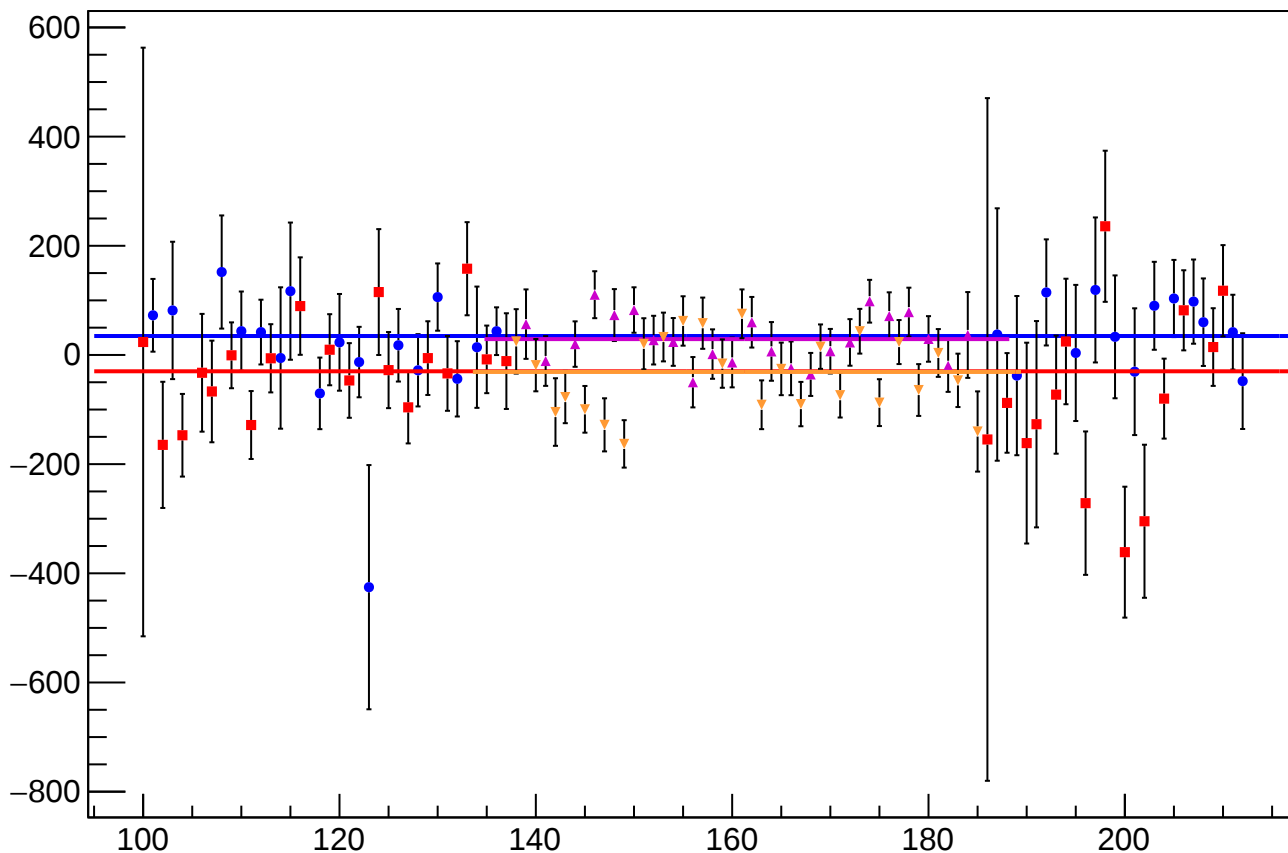
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 389.459 $\pm$ 0.049 χ^2 /NDF: 6052527.6/54

All: 391.361 $\pm$ 0.035 χ^2 /NDF: 13039197.5/13

- sign 393.351 $\pm$ 0.050 χ^2 /NDF: 6983629.9/55

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 34.713 ± 14.748 χ^2/NDF : 18.1/29

Left Out: -31.063 ± 9.170 χ^2/NDF : 52.6/24

Right Out: -29.907 ± 14.786 χ^2/NDF : 43.2/32

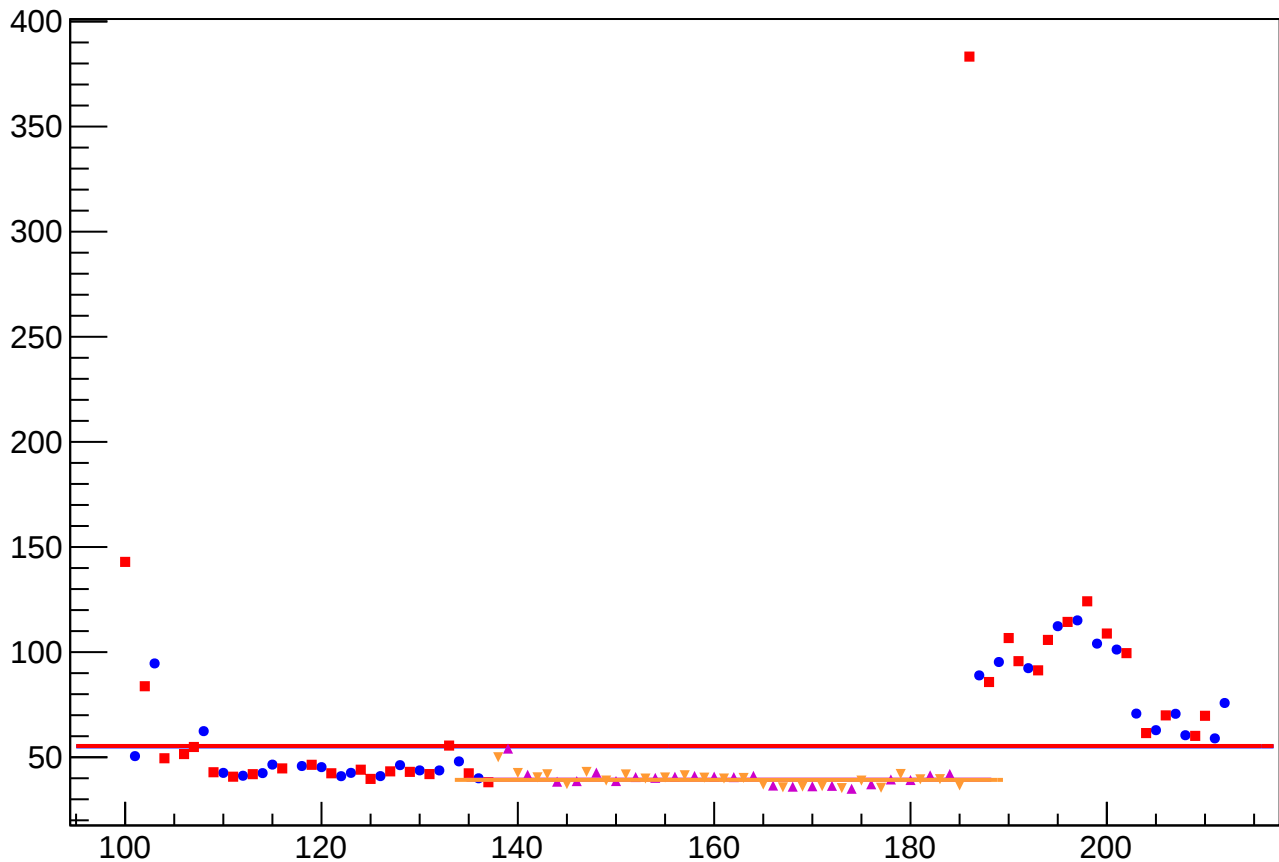
Left In: 29.055 ± 9.449 χ^2/NDF : 22.4/22

+ sign -12.724 ± 7.787 χ^2/NDF : 85.1/54

All: -0.658 ± 5.567 χ^2/NDF : 166.9/110

- sign 11.957 ± 7.962 χ^2/NDF : 76.9/55

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 55.142 $\pm$ 0.010 χ^2 /NDF: 3396721.1/29

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 55.362 $\pm$ 0.010 χ^2 /NDF: 4390712.1/32

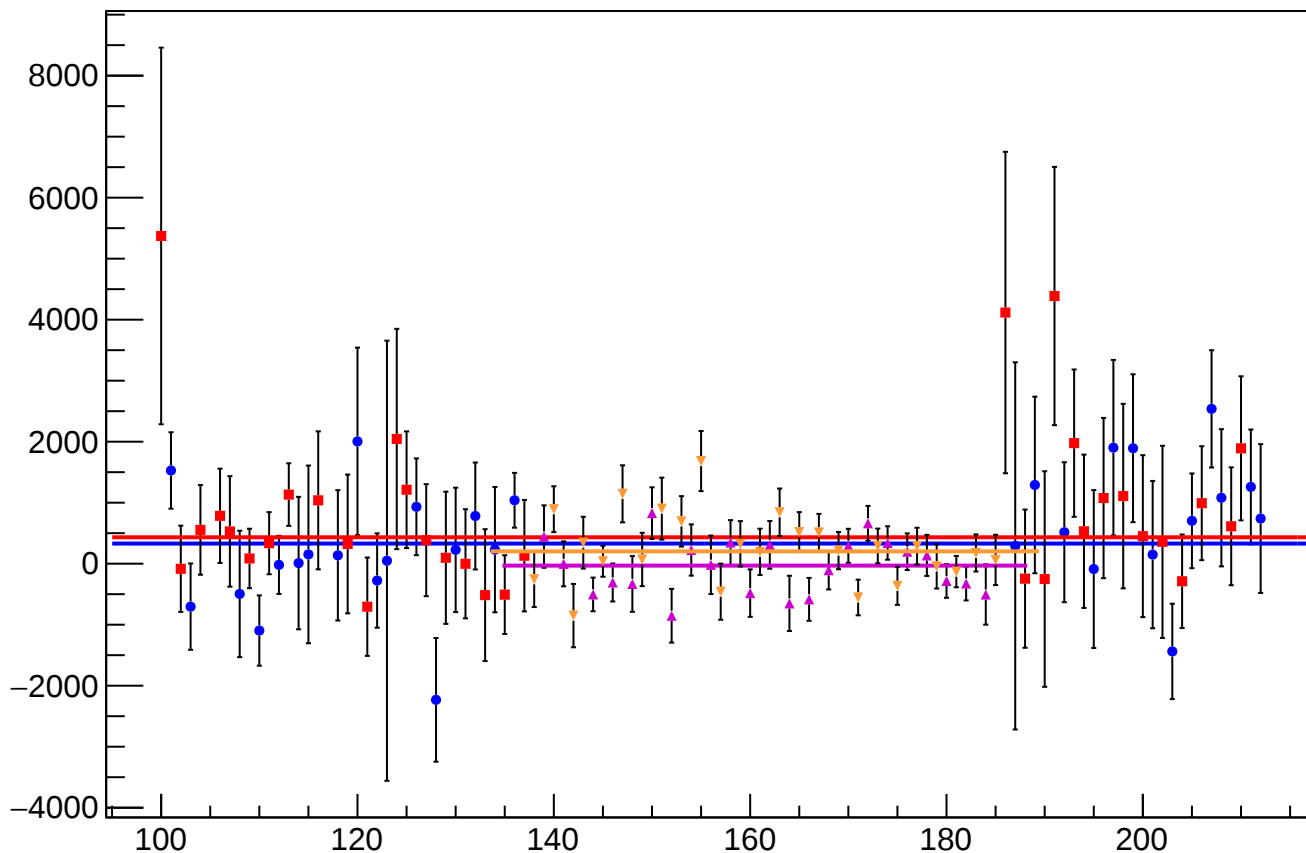
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 43.670 $\pm$ 0.006 χ^2 /NDF: 5276640.0/54

All: 43.824 $\pm$ 0.004 χ^2 /NDF: 11552239.4/110

- sign 43.985 $\pm$ 0.006 χ^2 /NDF: 6274000.6/55

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 329.967 ± 160.650 χ^2/NDF : 40.4/29

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 432.735 ± 157.364 χ^2/NDF : 23.7/32

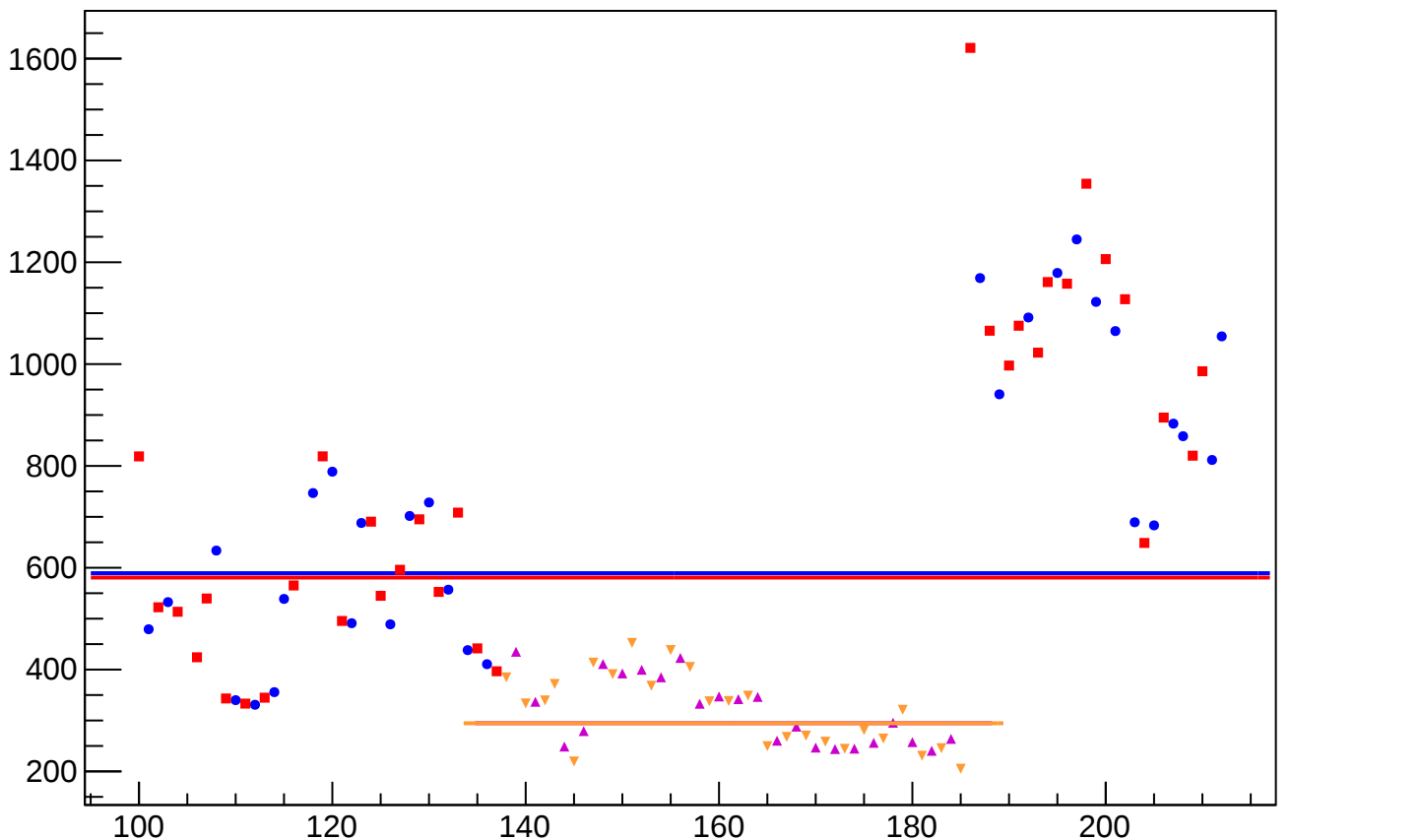
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 222.938 ± 64.500 χ^2/NDF : 85.7/54

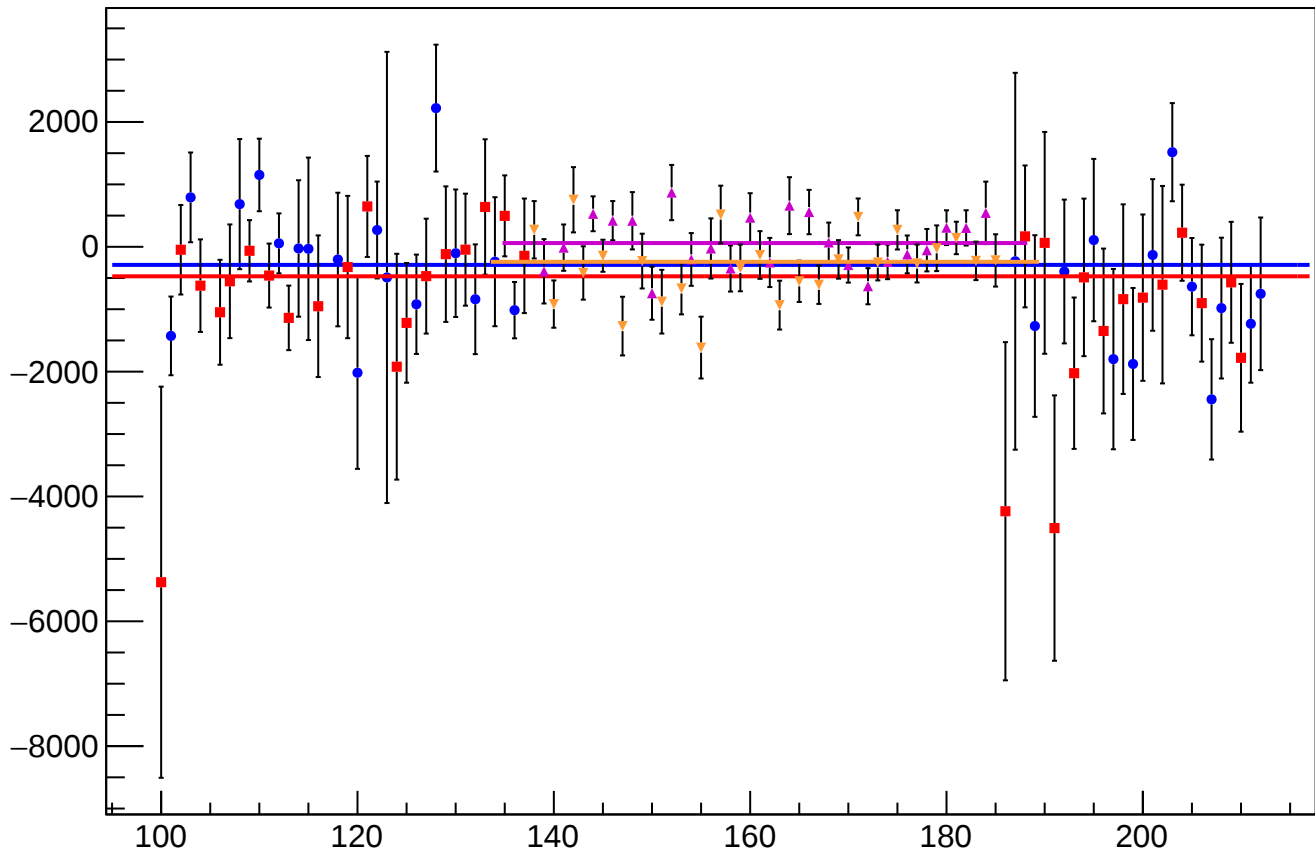
All: 137.372 ± 45.974 χ^2/NDF : 153.5/110

- sign 49.005 ± 65.548 χ^2/NDF : 64.2/55

asym_sam_15_37_dd_correction_rms vs Slug



asym_sam_15_37_dd_mean vs Slug



Right In: -289.646 ± 161.554 χ^2/NDF : 40.0/29

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -472.635 ± 158.789 χ^2/NDF : 23.2/32

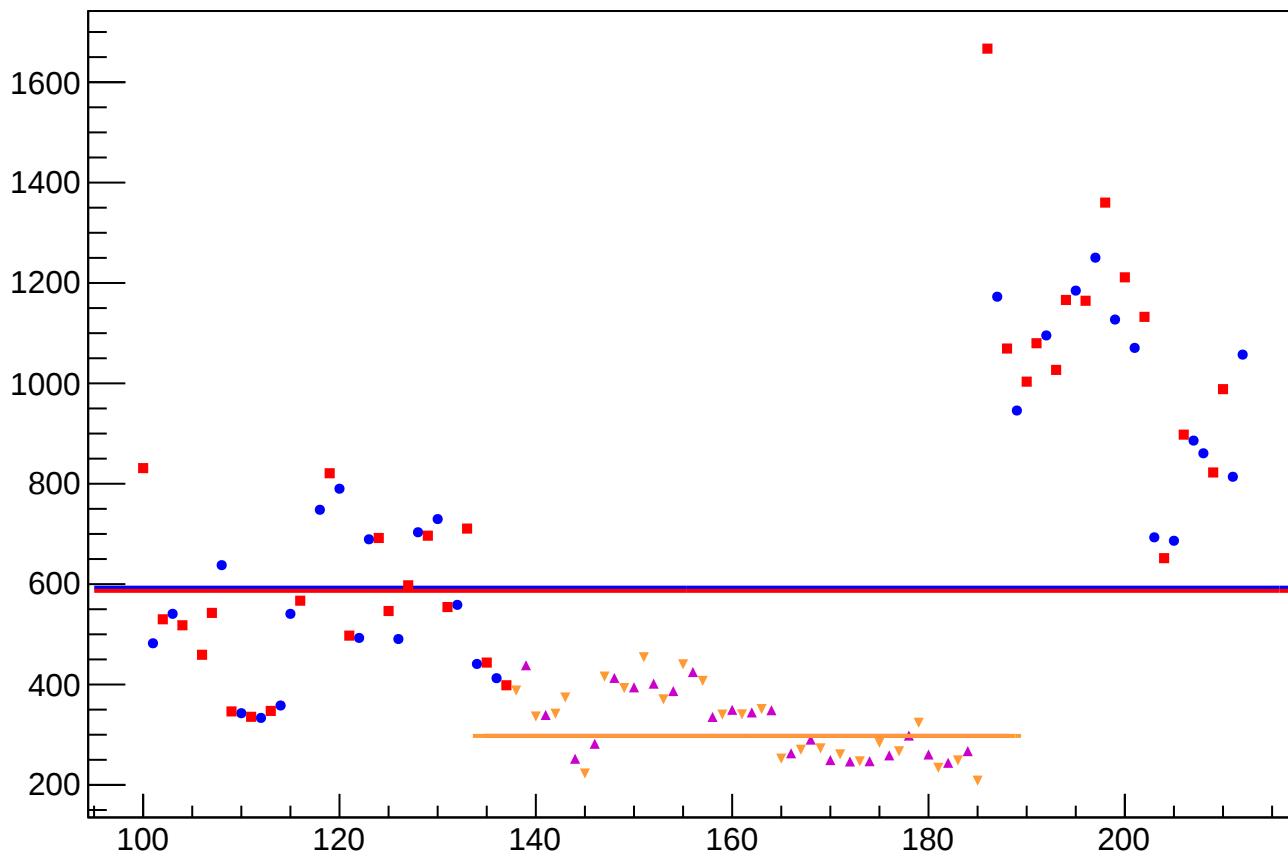
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -248.355 ± 65.077 χ^2/NDF : 83.0/54

All: -142.081 ± 46.397 χ^2/NDF : 151.8/110

- sign -32.215 ± 66.168 χ^2/NDF : 63.4/55

asym_sam_15_37_dd_rms vs Slug



Right In: 592.981+/-0.114 χ^2/NDF : 4543297.0/29

Left Out: 297.613+/-0.050 χ^2/NDF :1637757.8/24

Right Out: 586.648+/-0.112 χ^2/NDF : 5573279.6/32

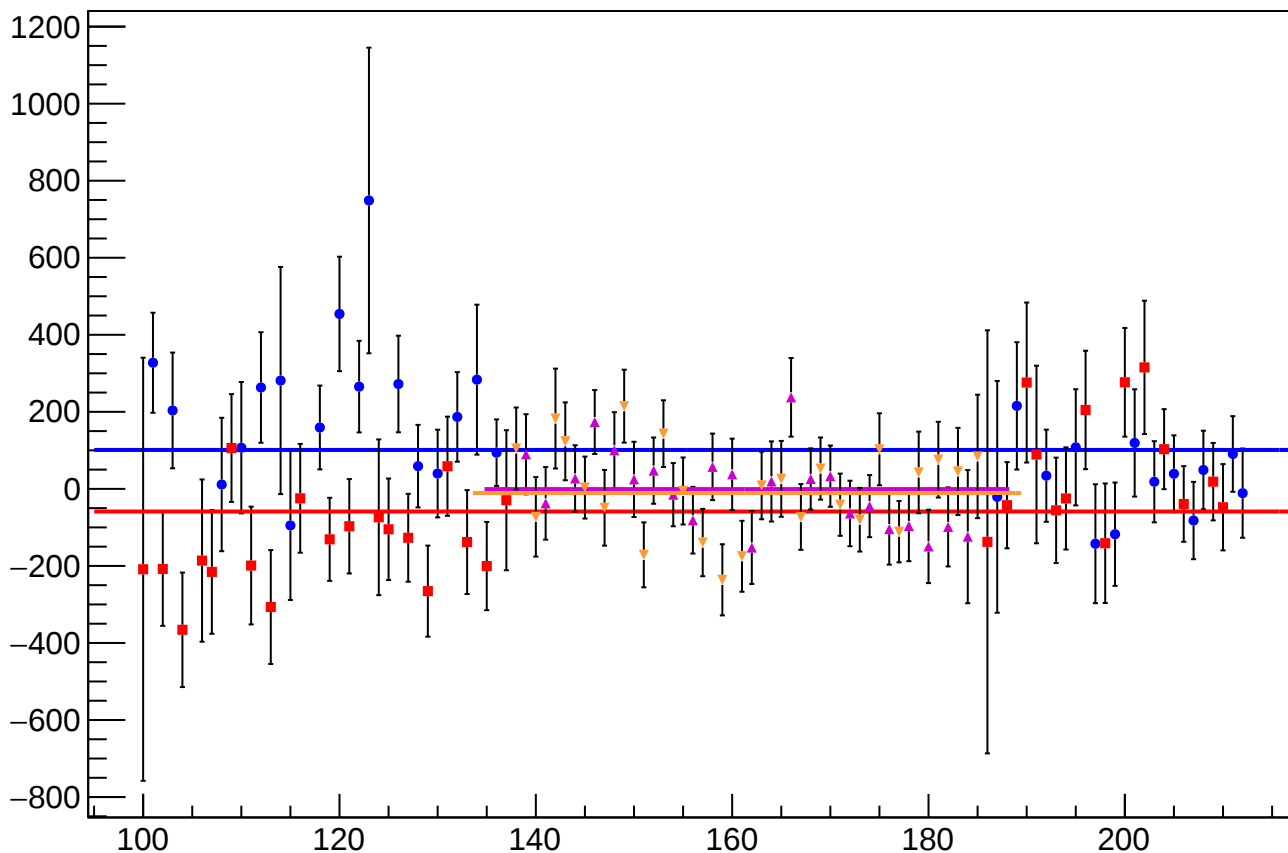
Left In: 297.699+/-0.051 χ^2/NDF :1266306.2/22

+ sign 345.540+/-0.046 χ^2/NDF : 11781585.3/54

All: 346.687+/-0.033 χ^2/NDF : 24095162.6/11

- sign 347.872+/-0.047 χ^2/NDF : 12312313.7/55

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 101.089 $\pm$ 23.552 χ^2 /NDF: 32.4/29

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -58.793 $\pm$ 24.053 χ^2 /NDF: 38.3/32

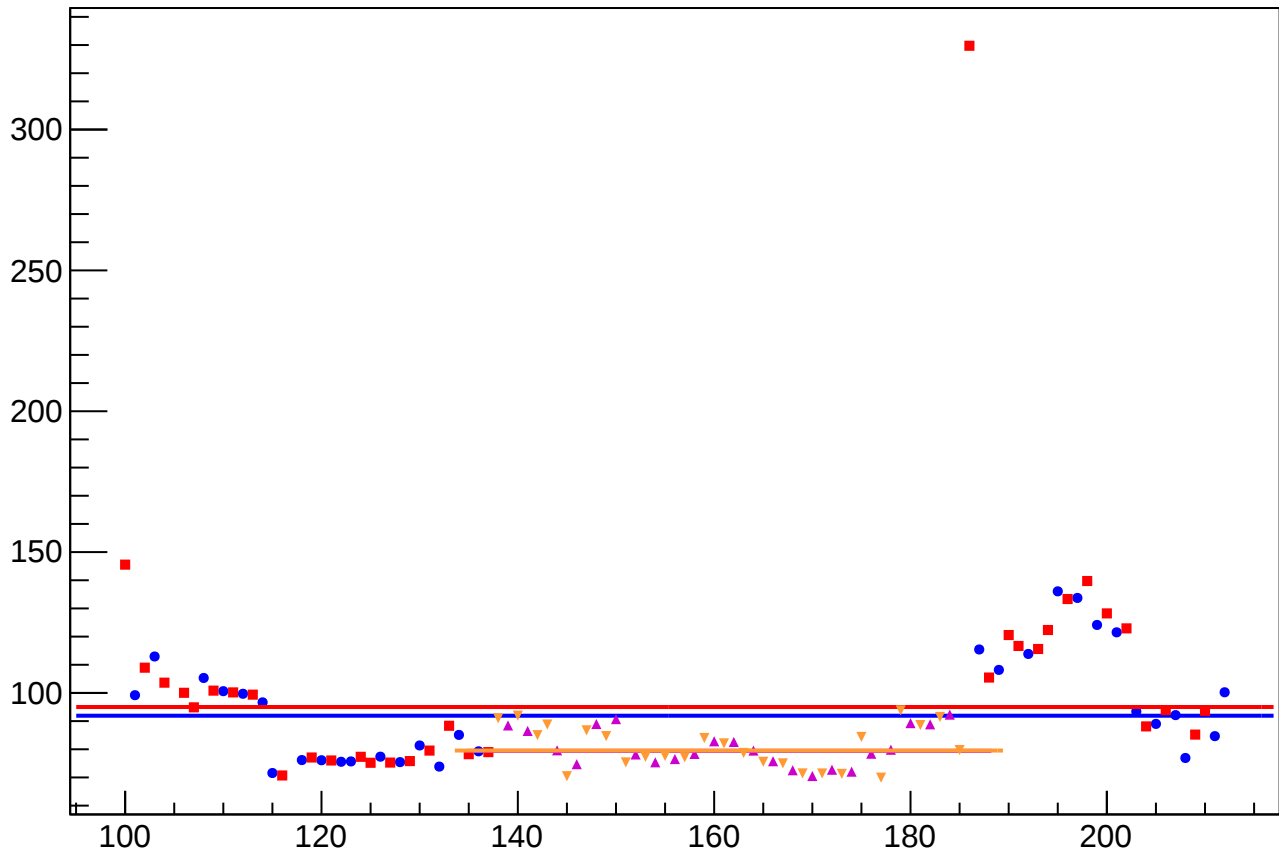
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 32.287 $\pm$ 14.602 χ^2 /NDF: 82.6/54

All: 5.265 $\pm$ 10.447 χ^2 /NDF: 155.3/110

- sign -23.076 $\pm$ 14.954 χ^2 /NDF: 65.7/55

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 91.914+/-0.017 χ^2/NDF : 1071377.9/29

Left Out: 79.551+/-0.013 χ^2/NDF : 309075.2/24

Right Out: 95.007+/-0.017 χ^2/NDF : 1520752.8/32

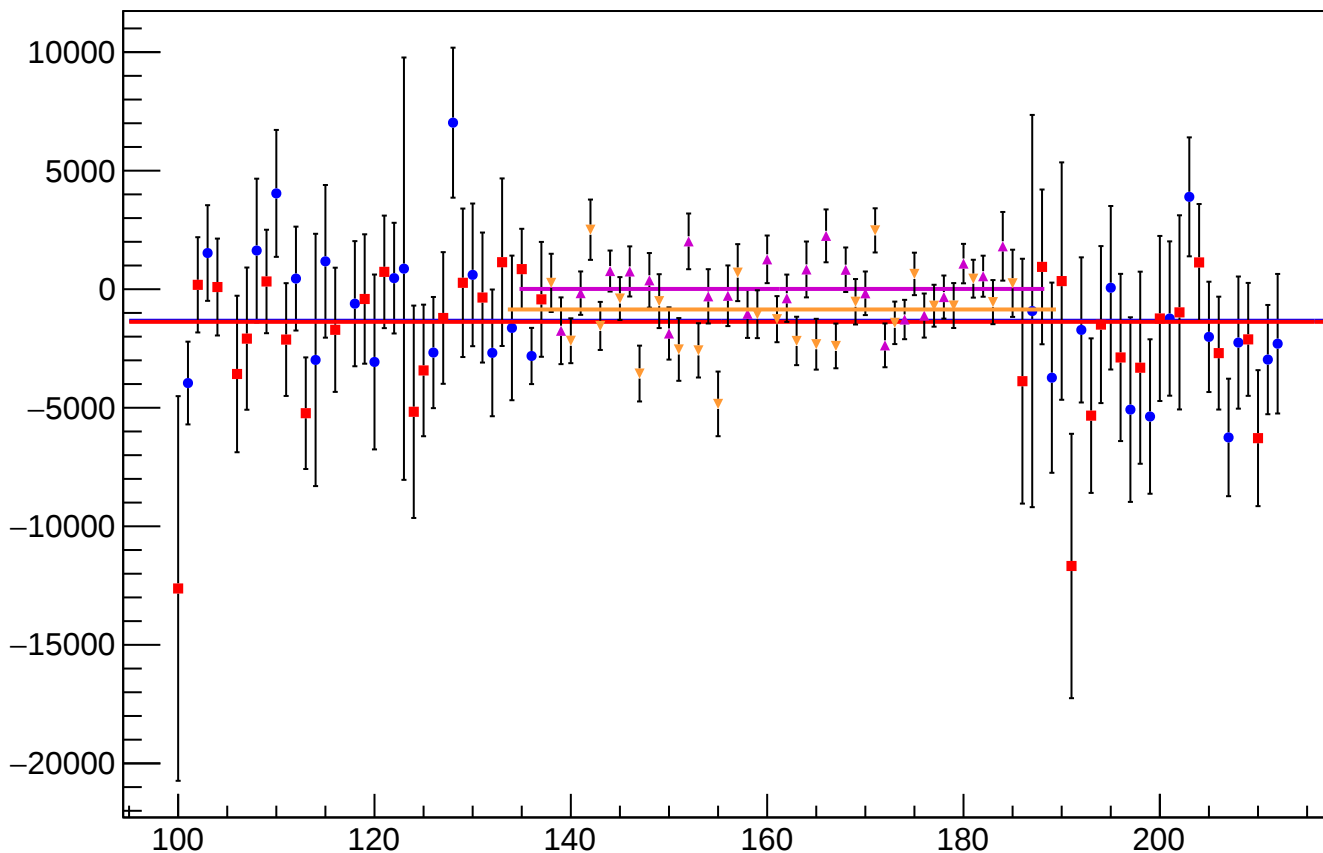
Left In: 79.436+/-0.013 χ^2/NDF : 212440.1/22

+ sign 84.303+/-0.010 χ^2/NDF : 1719721.8/54

All: 84.865+/-0.007 χ^2/NDF : 3973131.8/110

- sign 85.454+/-0.011 χ^2/NDF : 2247340.4/55

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1329.702 ± 477.369 χ^2/NDF : 33.2/29

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1375.426 ± 488.976 χ^2/NDF : 22.4/32

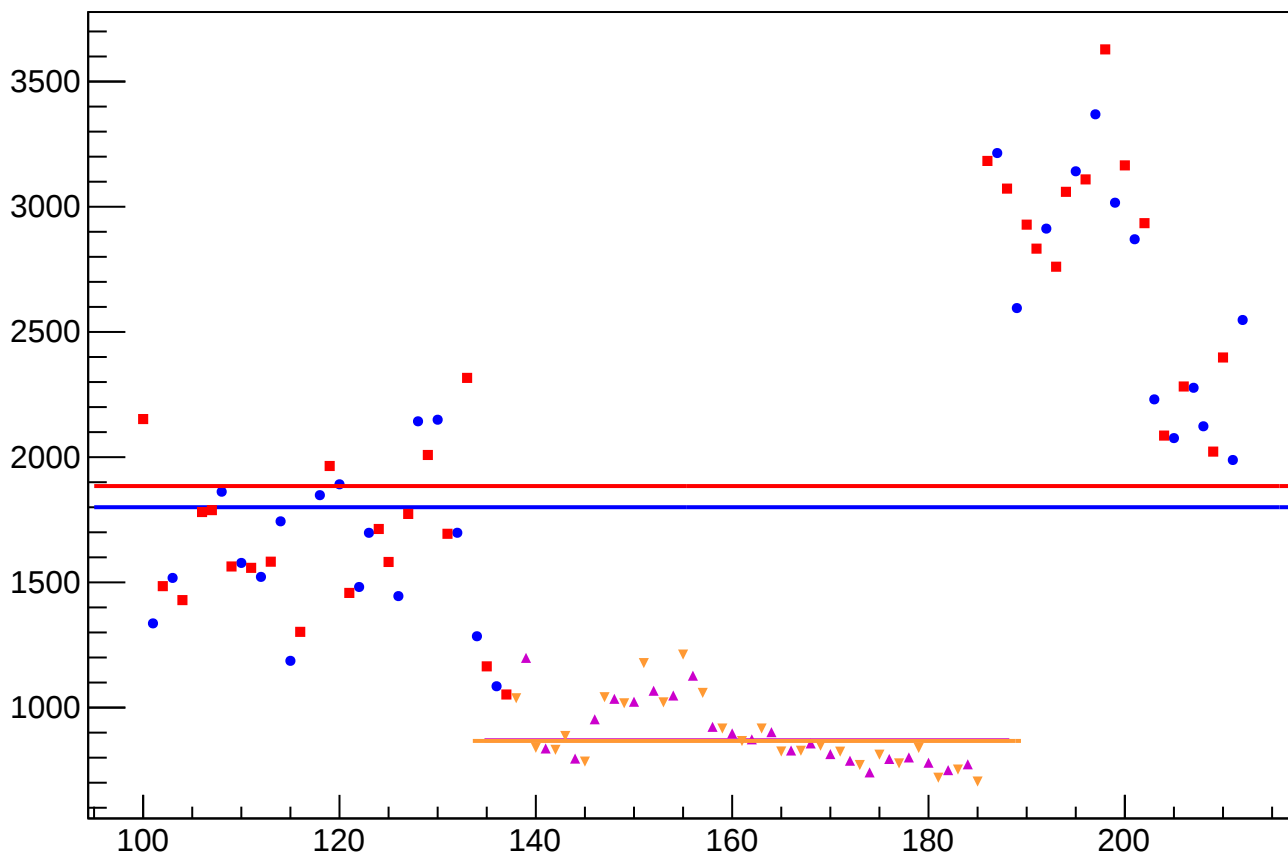
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -927.623 ± 187.659 χ^2/NDF : 90.0/54

All: -576.205 ± 134.548 χ^2/NDF : 157.7/110

- sign -204.443 ± 193.014 χ^2/NDF : 60.4/55

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1800.176 $\pm$ 0.338 χ^2/NDF : 3077465.7/29

Left Out: 866.893 $\pm$ 0.144 χ^2/NDF : 661712.5/24

Right Out: 1884.630 $\pm$ 0.346 χ^2/NDF : 3217461.8/32

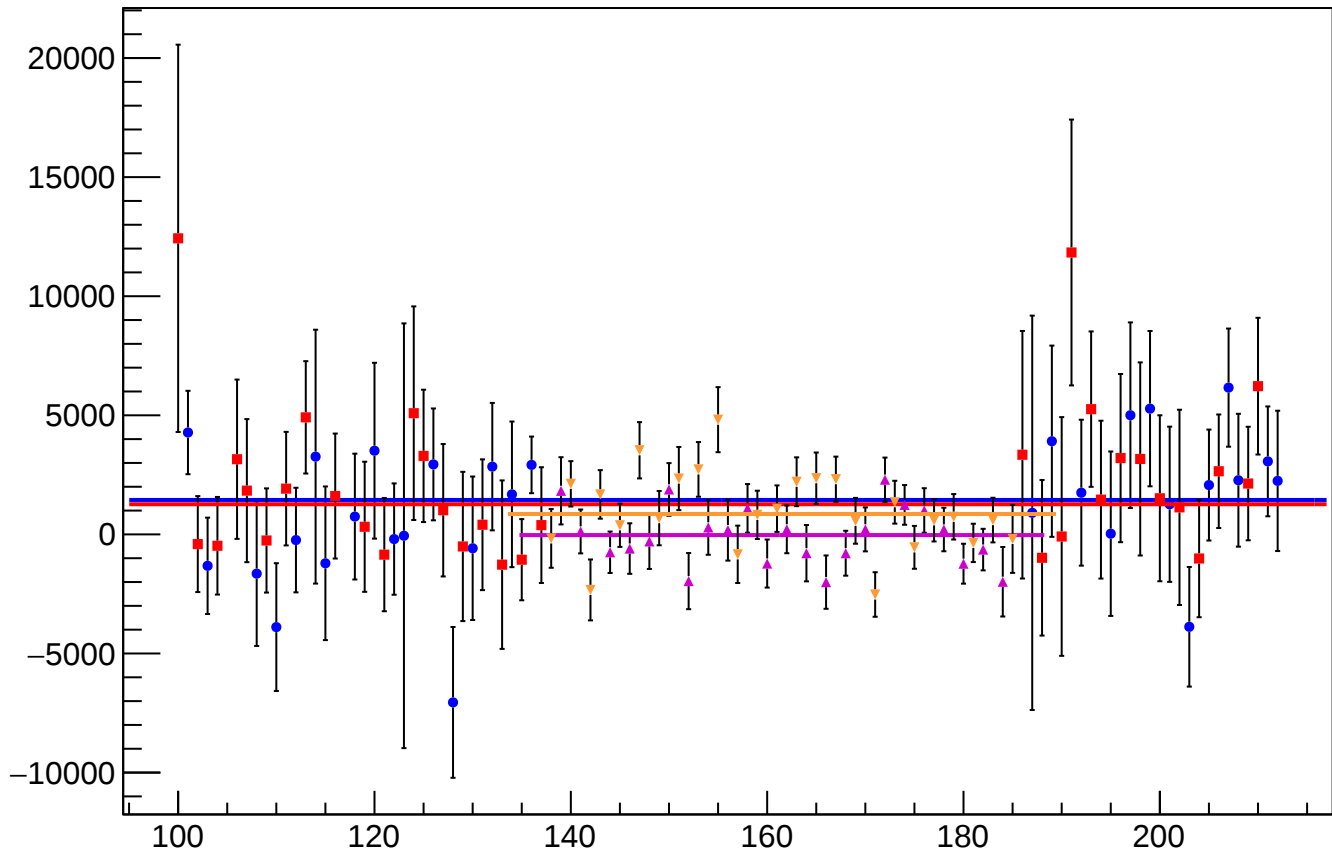
Left In: 869.569 $\pm$ 0.149 χ^2/NDF : 582301.2/22

+ sign 1011.119 $\pm$ 0.133 χ^2/NDF : 10202312.6/54

All: 1019.190 $\pm$ 0.095 χ^2/NDF : 21285444.1/100

- sign 1027.729 $\pm$ 0.136 χ^2/NDF : 11075518.3/55

asym_sam_24_68_dd_mean vs Slug



Right In: 1446.252 $\pm$ 478.169 χ^2 /NDF: 33.3/29

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 1266.171 $\pm$ 489.887 χ^2 /NDF: 22.4/32

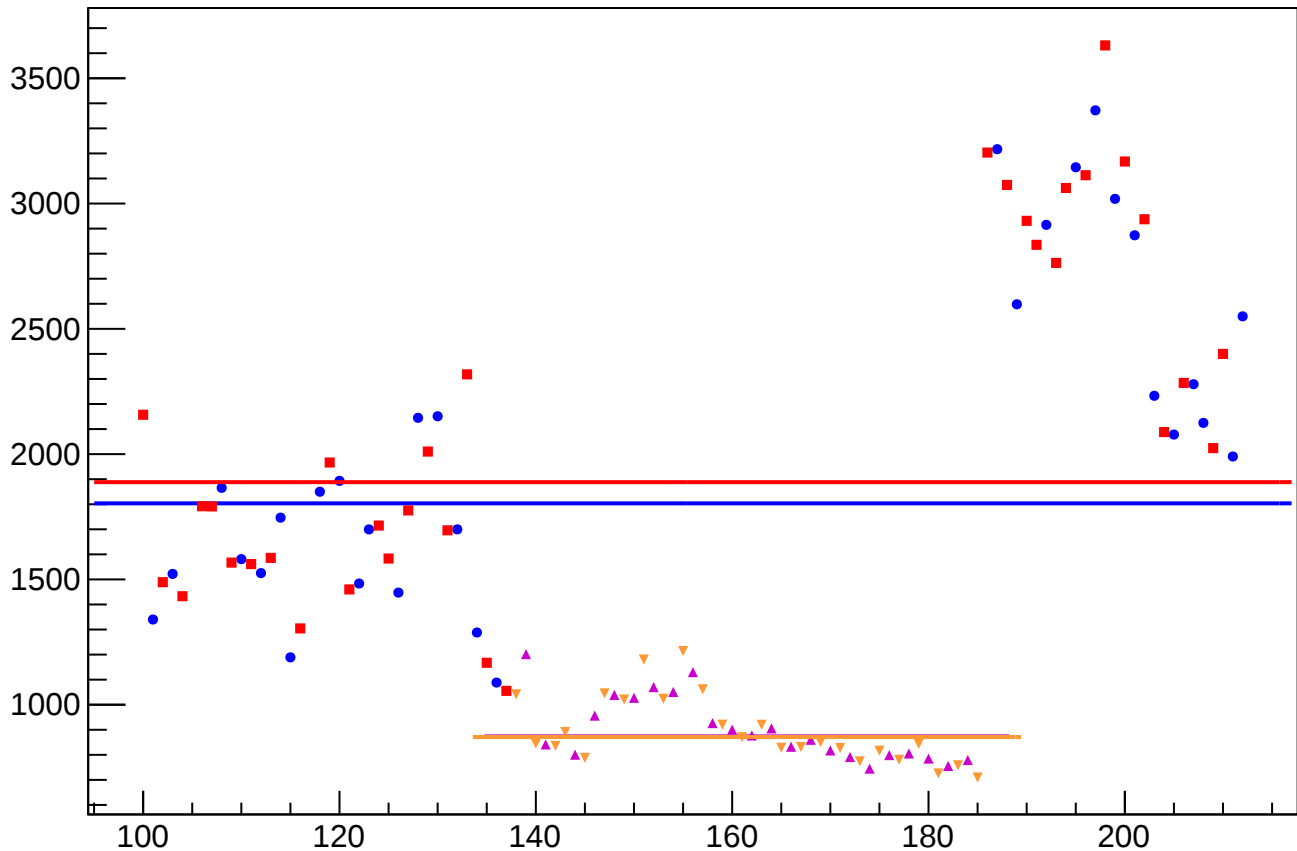
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 947.396 $\pm$ 188.451 χ^2 /NDF: 88.6/54

All: 571.599 $\pm$ 135.112 χ^2 /NDF: 154.8/110

- sign 174.104 $\pm$ 193.815 χ^2 /NDF: 58.0/55

asym_sam_24_68_dd_rms vs Slug



Right In: 1803.616+/-0.338 χ^2/NDF : 3064757.7/29

Left Out: 871.109+/-0.145 χ^2/NDF : 651751.1/24

+ sign 1015.948+/-0.133 χ^2/NDF : 10141360.2/54

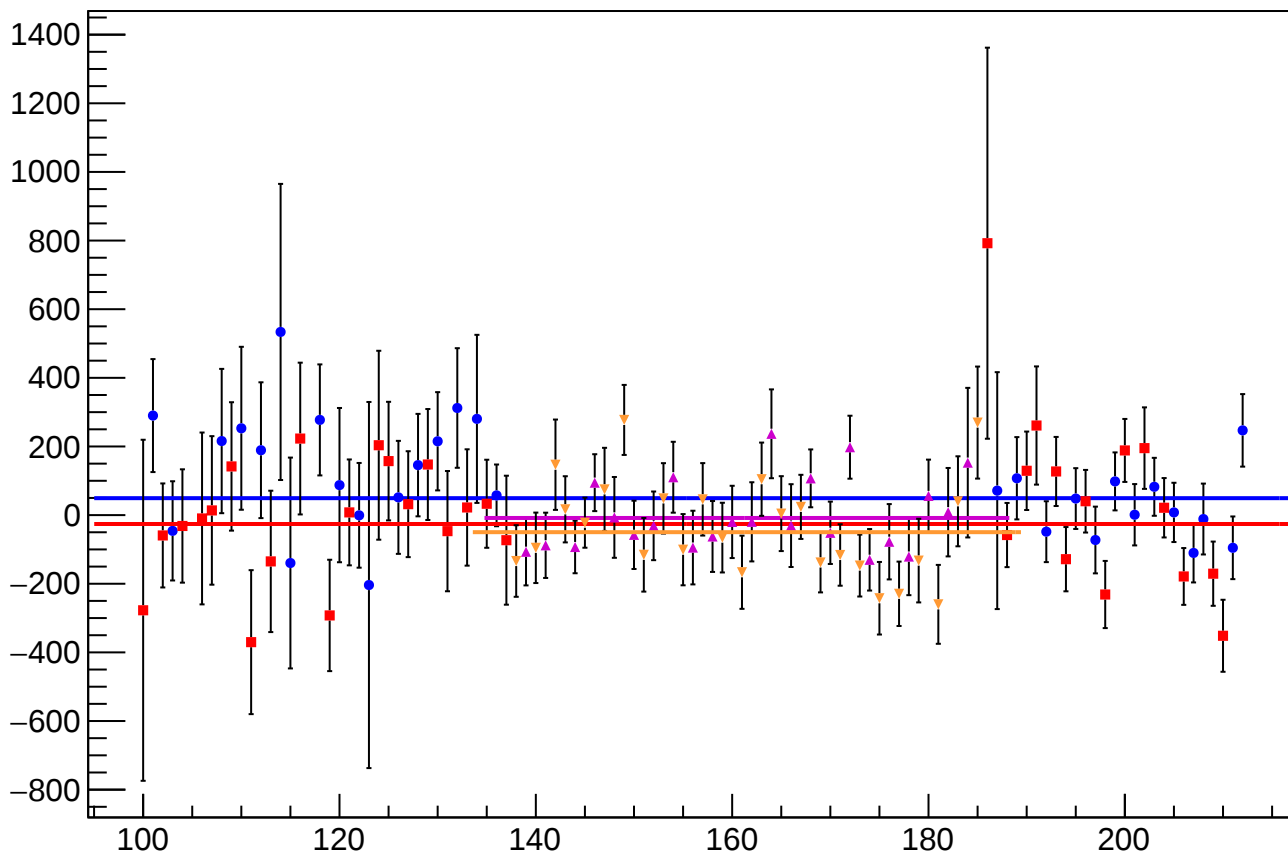
Right Out: 1888.177+/-0.346 χ^2/NDF : 3208682.6/32

All: 1023.978+/-0.096 χ^2/NDF : 21165973.2/100

Left In: 873.675+/-0.149 χ^2/NDF : 573822.5/22

- sign 1032.470+/-0.137 χ^2/NDF : 11017142.2/55

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 49.373 ± 22.408 $\chi^2/\text{NDF}: 27.2/29$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -25.899 ± 22.824 $\chi^2/\text{NDF}: 51.5/32$

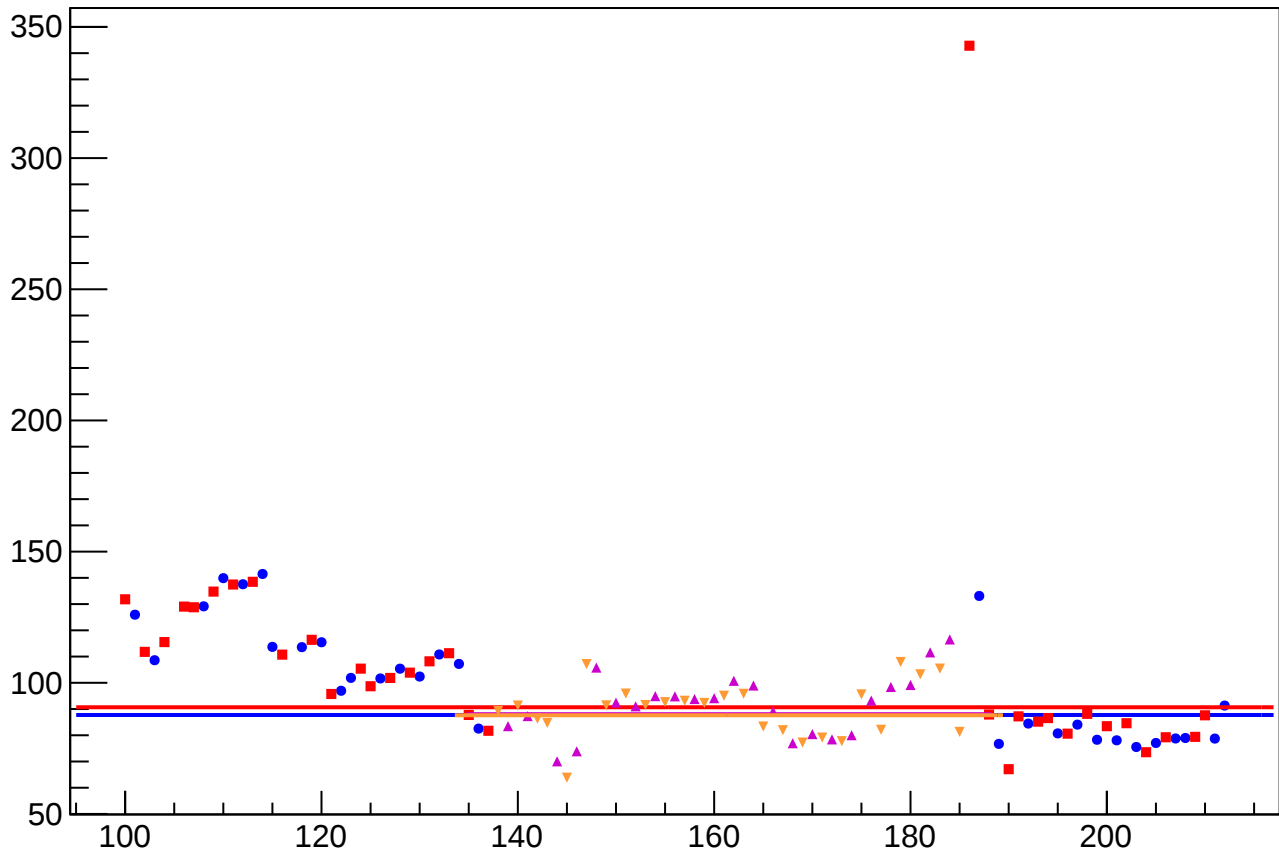
Left In: -8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

+ sign -4.377 ± 15.157 $\chi^2/\text{NDF}: 77.2/54$

All: -10.281 ± 10.858 $\chi^2/\text{NDF}: 151.3/110$

- sign -16.503 ± 15.561 $\chi^2/\text{NDF}: 73.8/55$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 87.735 $\pm$ 0.016 χ^2 /NDF: 951833.9/29

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 90.677 $\pm$ 0.016 χ^2 /NDF: 1363121.4/32

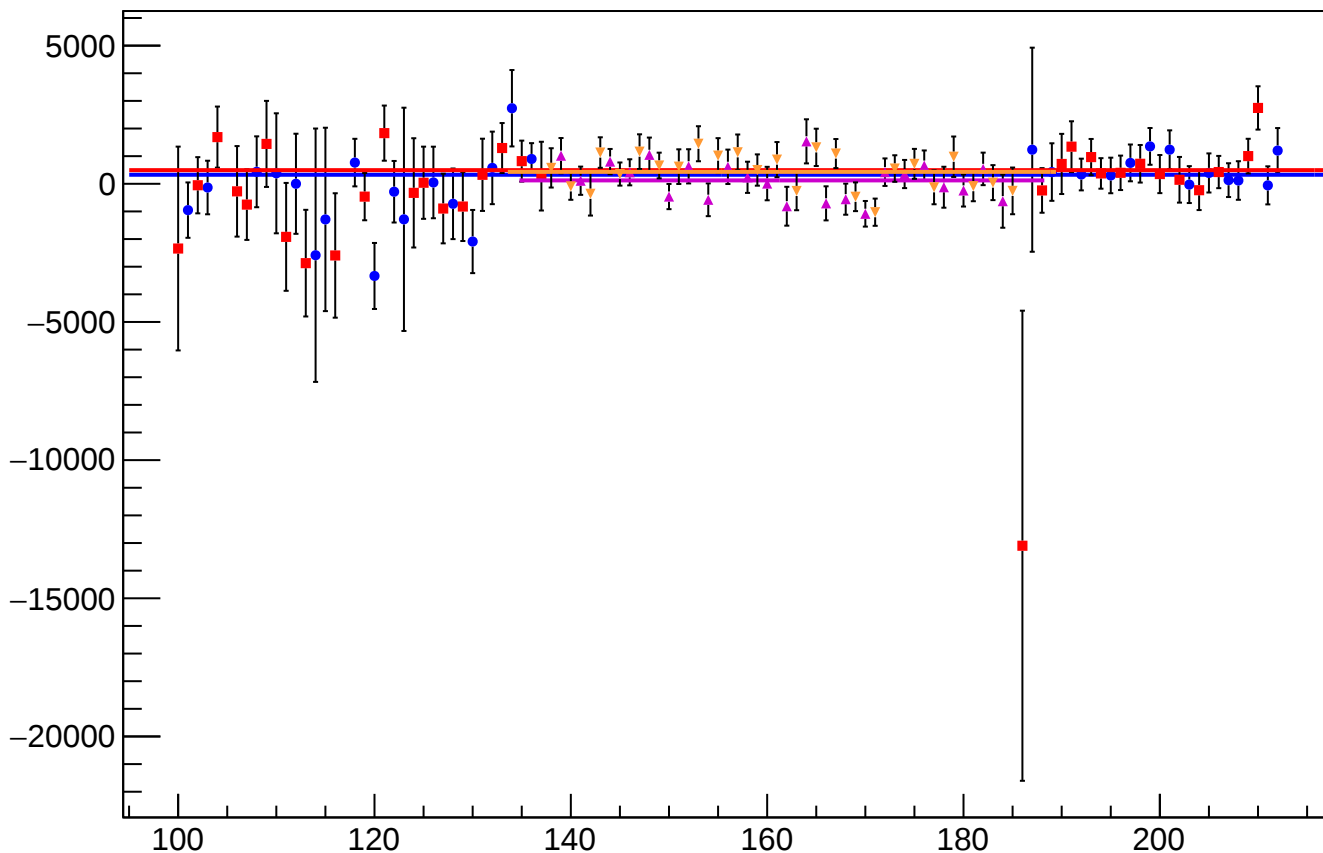
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 87.675 $\pm$ 0.011 χ^2 /NDF: 1506550.4/54

All: 88.448 $\pm$ 0.008 χ^2 /NDF: 3418424.5/110

- sign 89.262 $\pm$ 0.011 χ^2 /NDF: 1901209.4/55

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 327.178 $\pm$ 162.303 χ^2 /NDF: 28.4/29

Left Out: 431.658 $\pm$ 115.706 χ^2 /NDF: 30.5/24

Right Out: 493.798 $\pm$ 159.572 χ^2 /NDF: 31.9/32

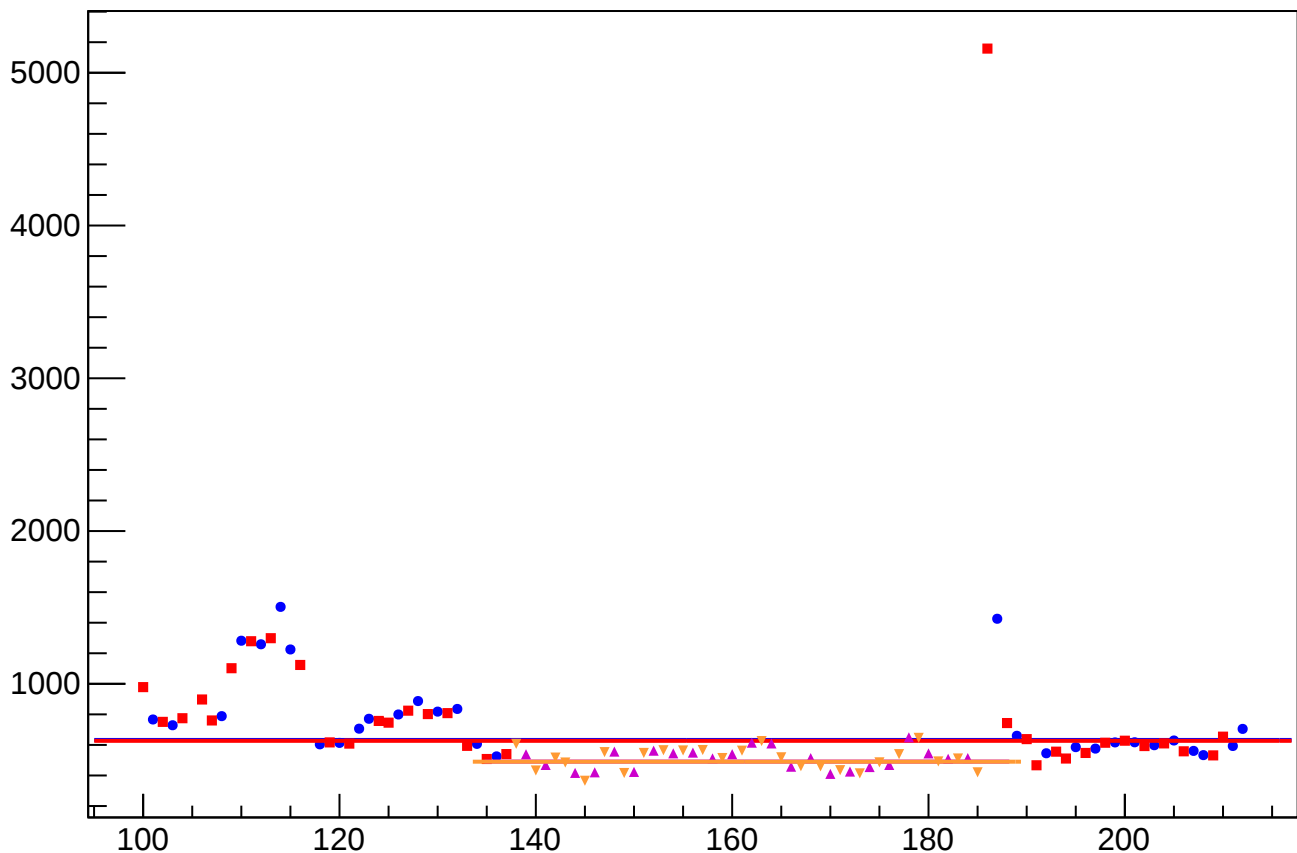
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF: 29.3/22

+ sign 396.452 $\pm$ 94.215 χ^2 /NDF: 59.2/54

All: 326.702 $\pm$ 67.006 χ^2 /NDF: 124.9/110

- sign 255.311 $\pm$ 95.317 χ^2 /NDF: 64.6/55

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 632.552 ± 0.115 χ^2/NDF : 1200120.3/29

Left Out: 490.267 ± 0.082 χ^2/NDF : 750277.0/24

Right Out: 626.823 ± 0.113 χ^2/NDF : 2021802.9/32

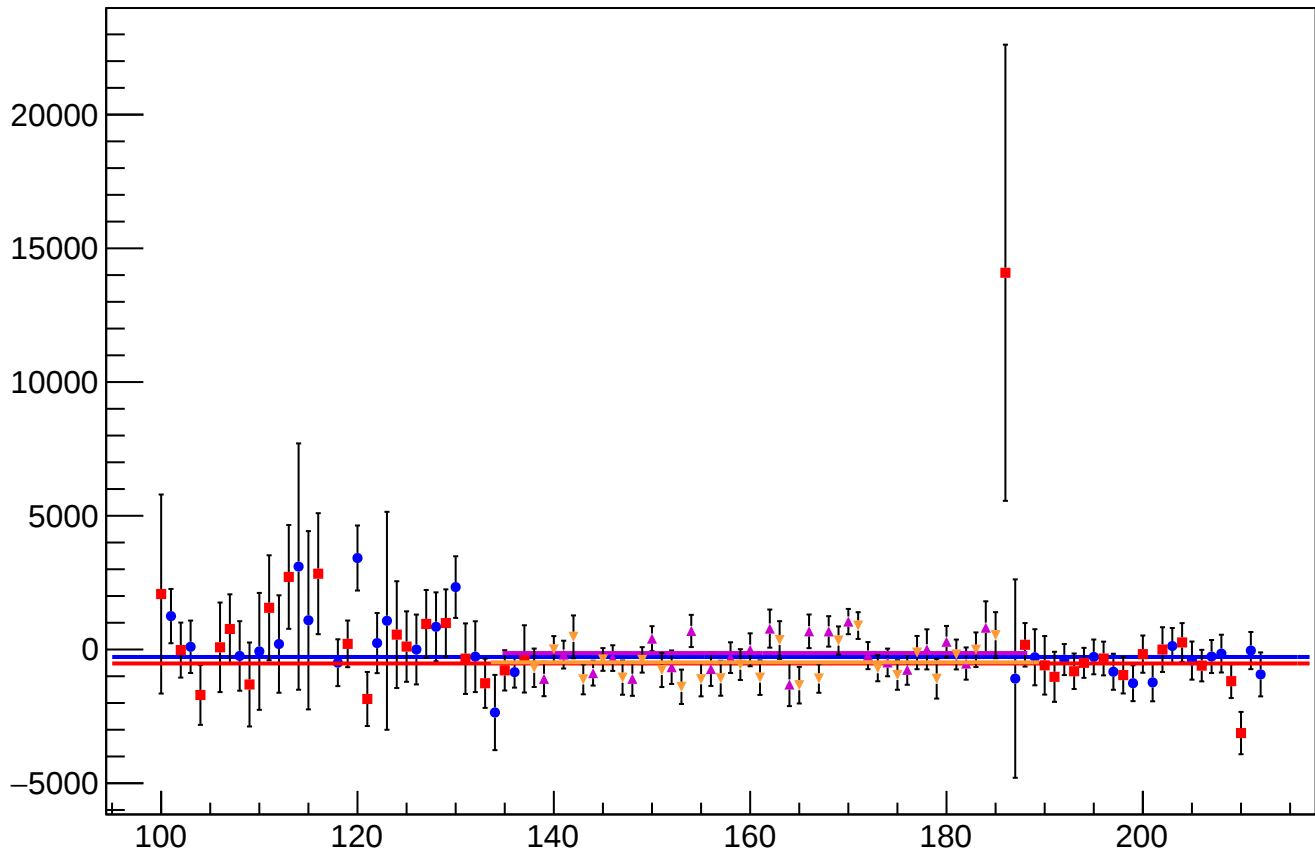
Left In: 490.910 ± 0.084 χ^2/NDF : 589235.5/22

+ sign 538.213 ± 0.067 χ^2/NDF : 2969528.9/54

All: 538.801 ± 0.047 χ^2/NDF : 6513954.0/110

- sign 539.404 ± 0.067 χ^2/NDF : 3544267.1/55

asym_sam_26_48_dd_mean vs Slug



Right In: -279.695 ± 164.012 χ^2/NDF : 27.8/29

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -521.964 ± 161.419 χ^2/NDF : 34.2/32

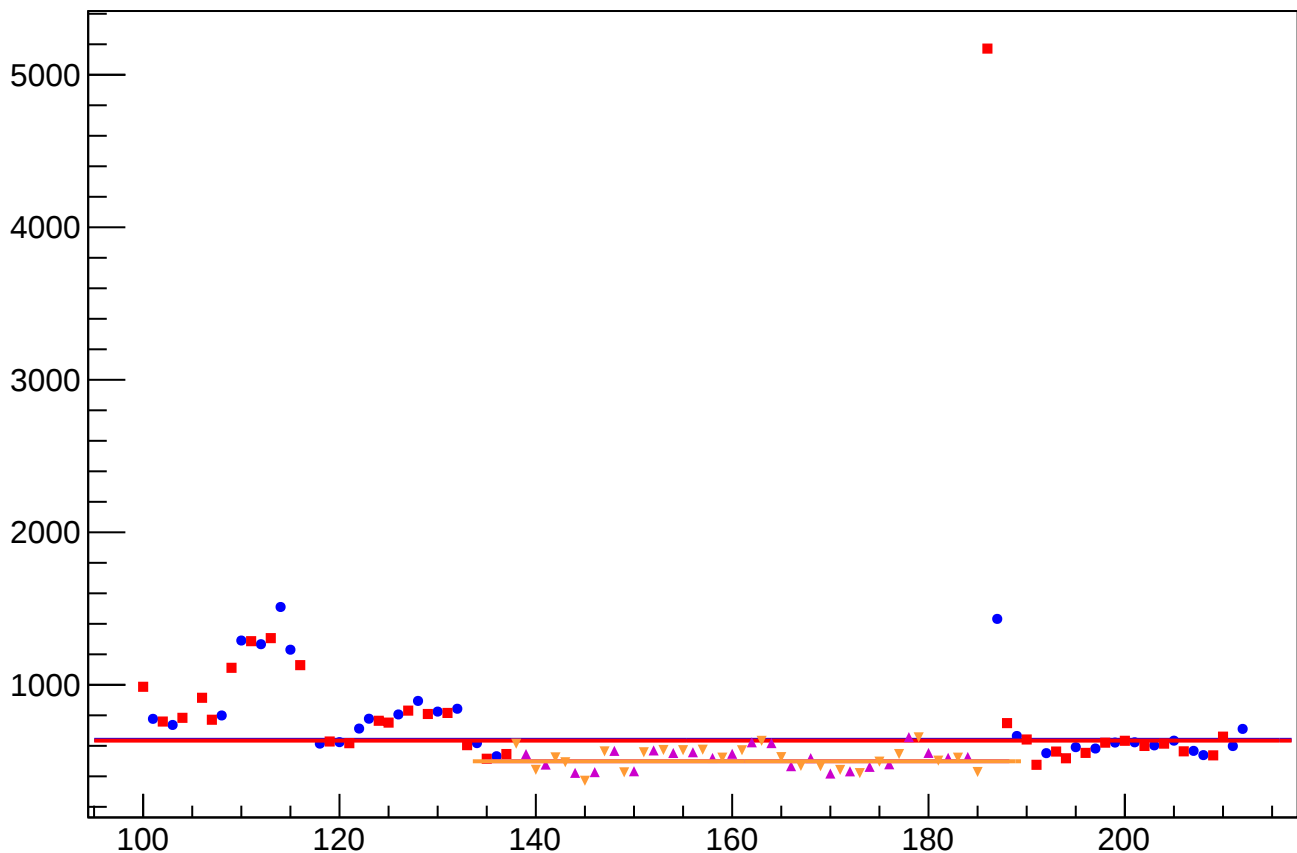
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -410.751 ± 95.603 χ^2/NDF : 56.6/54

All: -342.421 ± 68.003 χ^2/NDF : 125.2/110

- sign -272.441 ± 96.750 χ^2/NDF : 67.5/55

asym_sam_26_48_dd_rms vs Slug



Right In: 639.380+/-0.116 χ^2/NDF : 1189043.9/29

Left Out: 498.754+/-0.083 χ^2/NDF : 734302.8/24

Right Out: 634.320+/-0.114 χ^2/NDF : 2001718.9/32

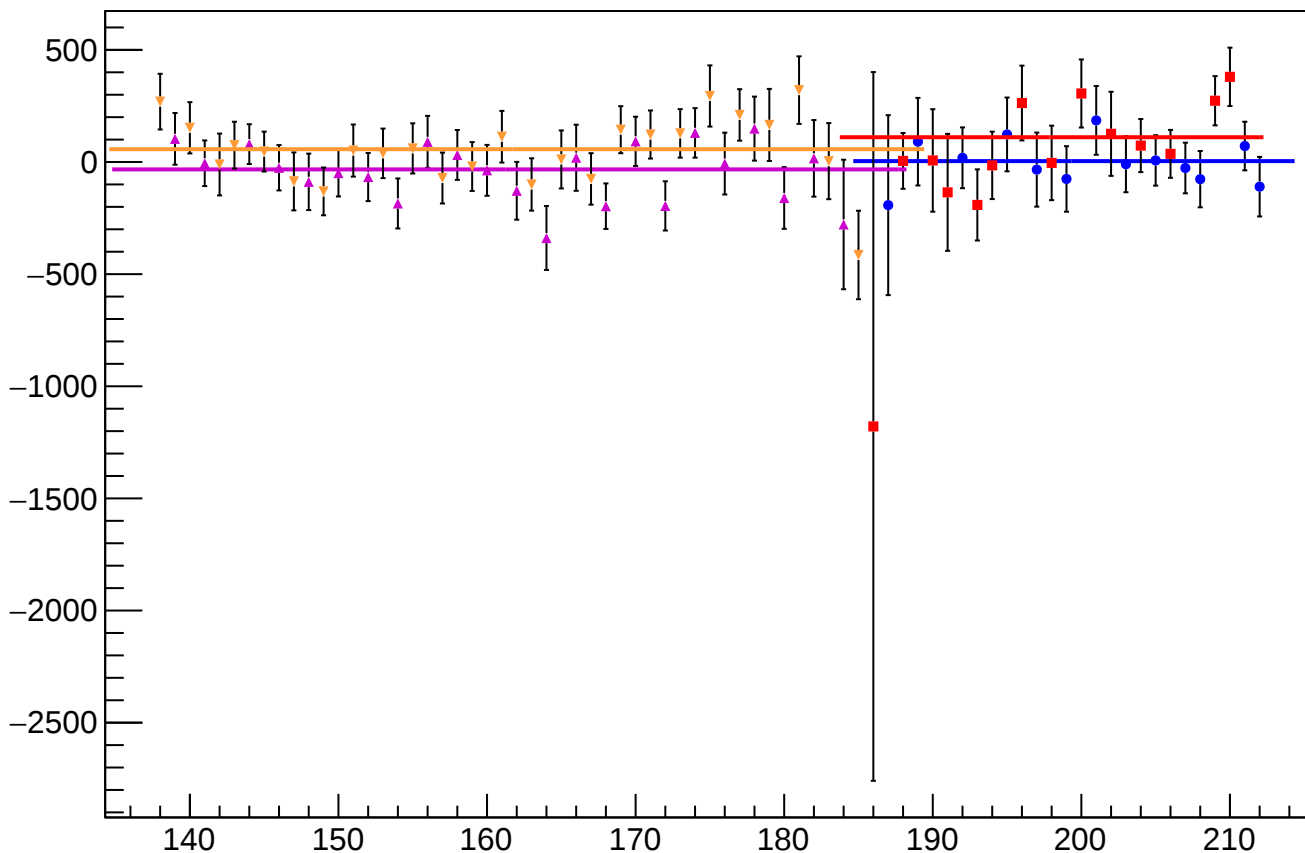
Left In: 499.393+/-0.085 χ^2/NDF : 576539.2/22

+ sign 546.536+/-0.068 χ^2/NDF : 2894087.6/54

All: 547.192+/-0.048 χ^2/NDF : 6367930.1/110

- sign 547.865+/-0.068 χ^2/NDF : 3473651.4/55

reg_asym_sam_1548_avg_mean vs Slug



Right In: 3.999 ± 38.441 χ^2/NDF : 4.3/12

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: 110.508 ± 39.910 χ^2/NDF : 16.8/13

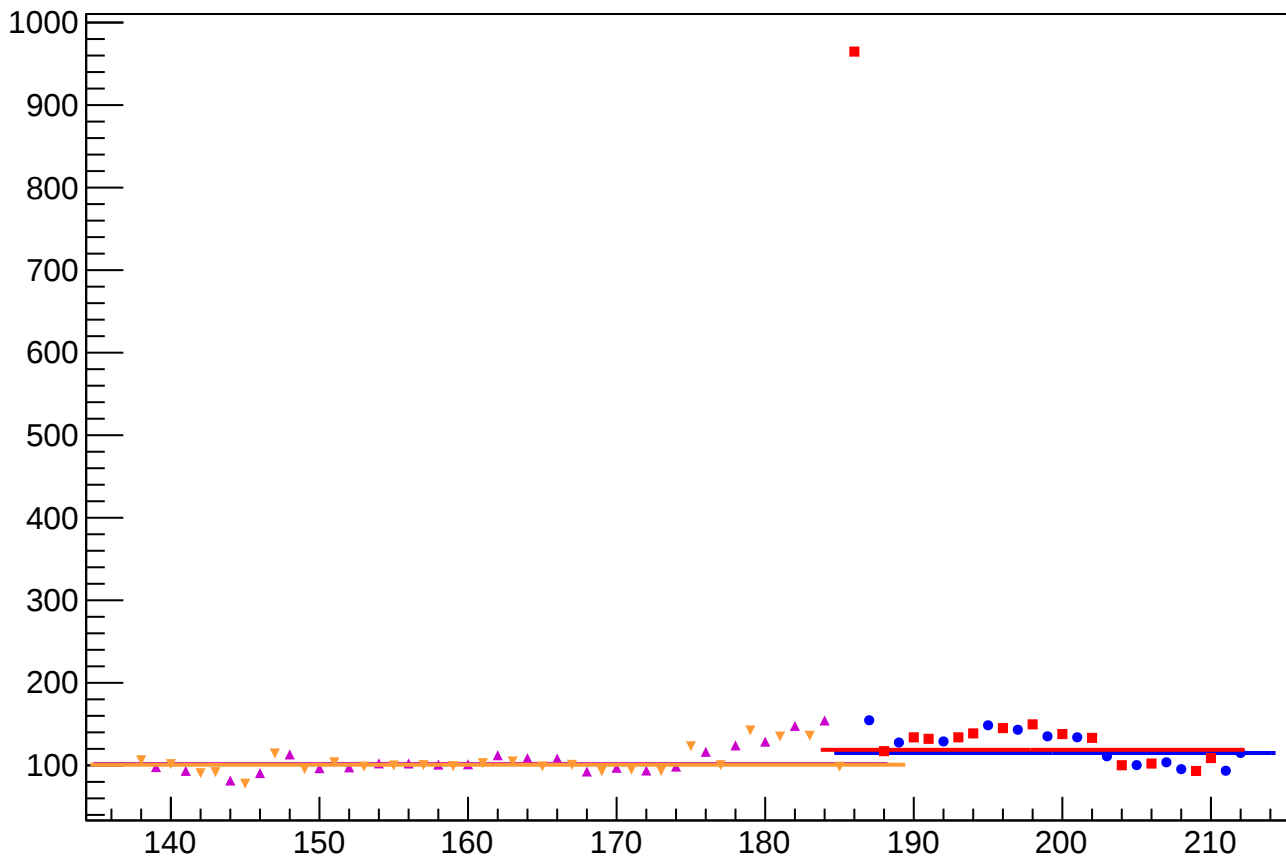
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 42.543 ± 20.182 χ^2/NDF : 34.9/37

All: 25.189 ± 14.529 χ^2/NDF : 86.2/74

- sign 6.519 ± 20.934 χ^2/NDF : 49.8/36

reg_asym_sam_1548_avg_rms vs Slug



Right In: 114.995 $\pm$ 0.027 χ^2 /NDF: 443204.0/12

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 118.840 $\pm$ 0.028 χ^2 /NDF: 1021689.2/13

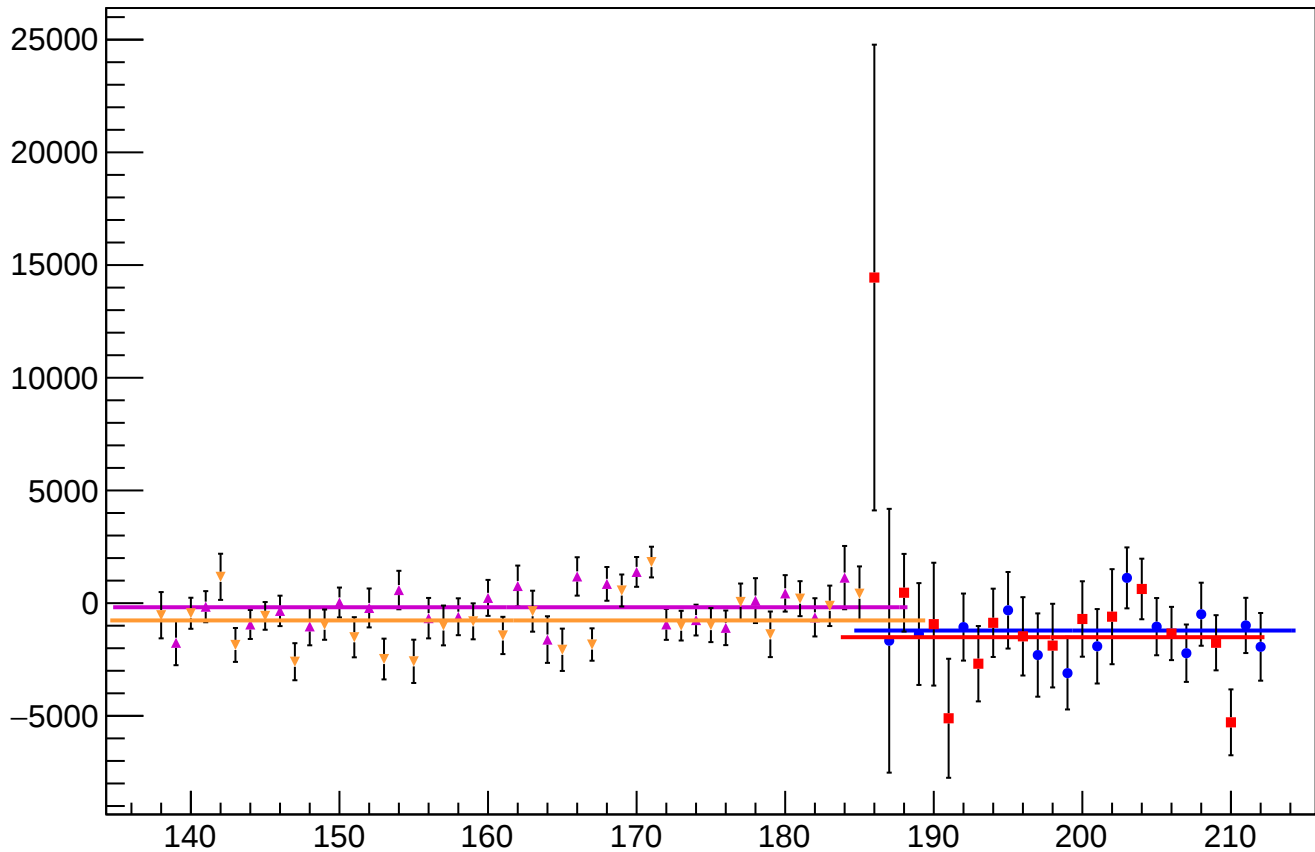
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 104.713 $\pm$ 0.014 χ^2 /NDF: 1241237.9/37

All: 105.506 $\pm$ 0.010 χ^2 /NDF: 3121512.7/74

- sign 106.359 $\pm$ 0.015 χ^2 /NDF: 1873869.5/36

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1214.655 ± 427.446 χ^2/NDF : 6.4/12

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1510.257 ± 445.978 χ^2/NDF : 16.0/13

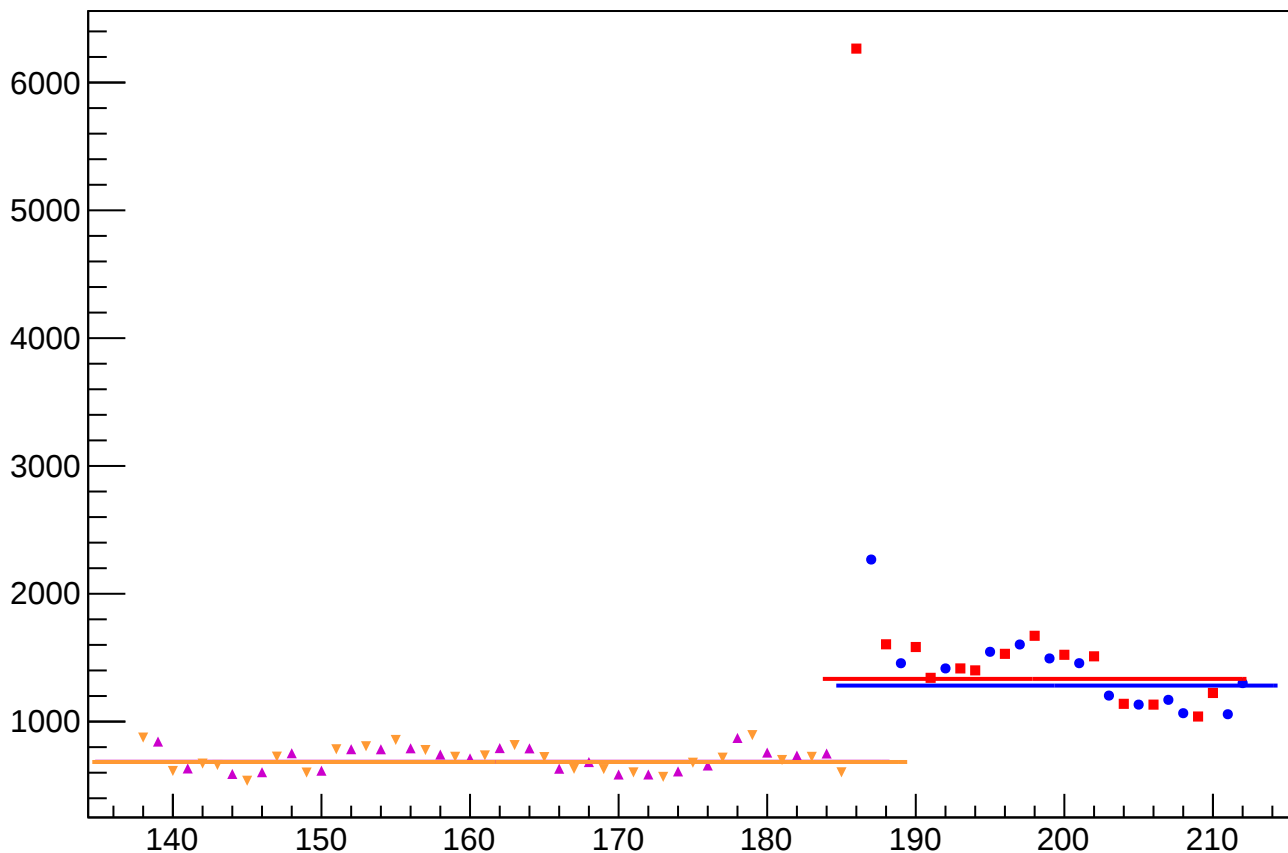
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -822.096 ± 150.721 χ^2/NDF : 53.9/37

All: -589.572 ± 108.159 χ^2/NDF : 107.6/74

- sign -342.701 ± 155.302 χ^2/NDF : 48.8/36

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1281.702 $\pm$ 0.302 χ^2 /NDF: 415798.4/12

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1333.962 $\pm$ 0.315 χ^2 /NDF: 888733.5/13

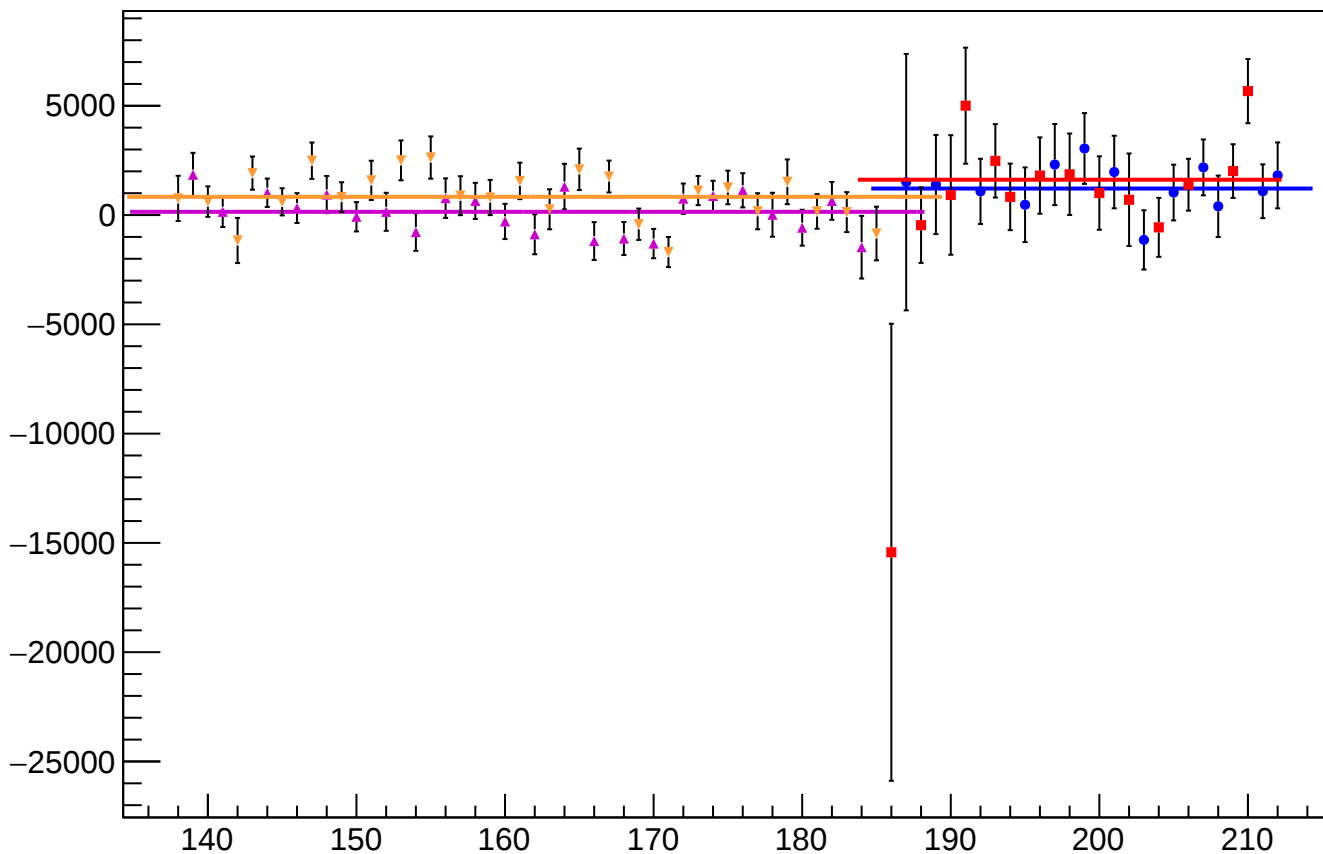
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 758.213 $\pm$ 0.107 χ^2 /NDF: 4508613.7/37

All: 761.124 $\pm$ 0.076 χ^2 /NDF: 9642800.8/74

- sign 764.215 $\pm$ 0.110 χ^2 /NDF: 5132648.5/36

asym_sam_1548_avg_mean vs Slug



Right In: 1213.825 ± 429.234 χ^2/NDF : 6.1/12

Left Out: 833.395 ± 162.965 χ^2/NDF : 43.2/24

Right Out: 1617.717 ± 447.872 χ^2/NDF : 17.1/13

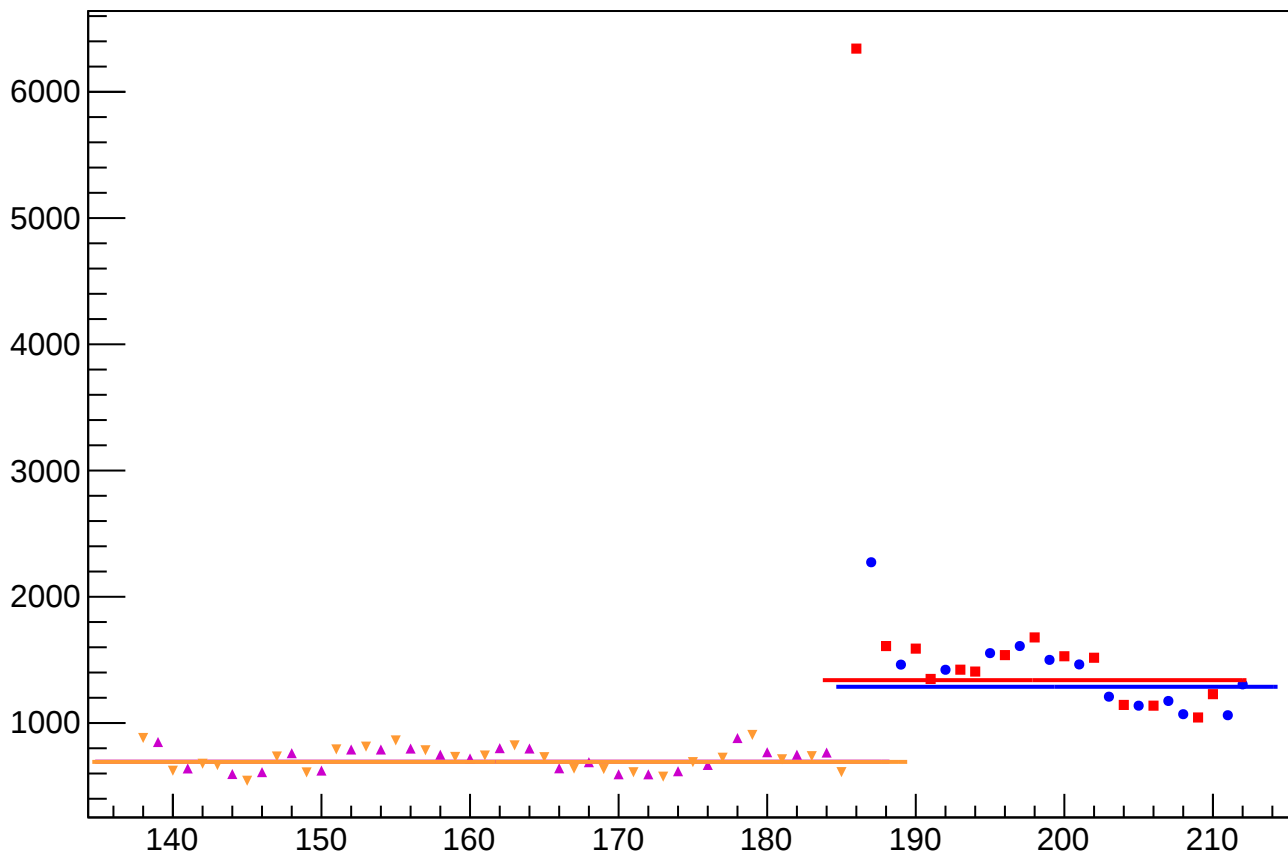
Left In: 148.814 ± 167.644 χ^2/NDF : 26.0/22

+ sign 881.323 ± 152.354 χ^2/NDF : 50.0/37

All: 613.624 ± 109.338 χ^2/NDF : 108.9/74

- sign 329.330 ± 157.006 χ^2/NDF : 52.5/36

asym_sam_1548_avg_rms vs Slug



Right In: 1287.052+/-0.304 χ^2 /NDF: 416480.8/12

Left Out: 692.097+/-0.115 χ^2 /NDF: 657259.6/24

Right Out: 1339.578+/-0.317 χ^2 /NDF: 891218.5/13

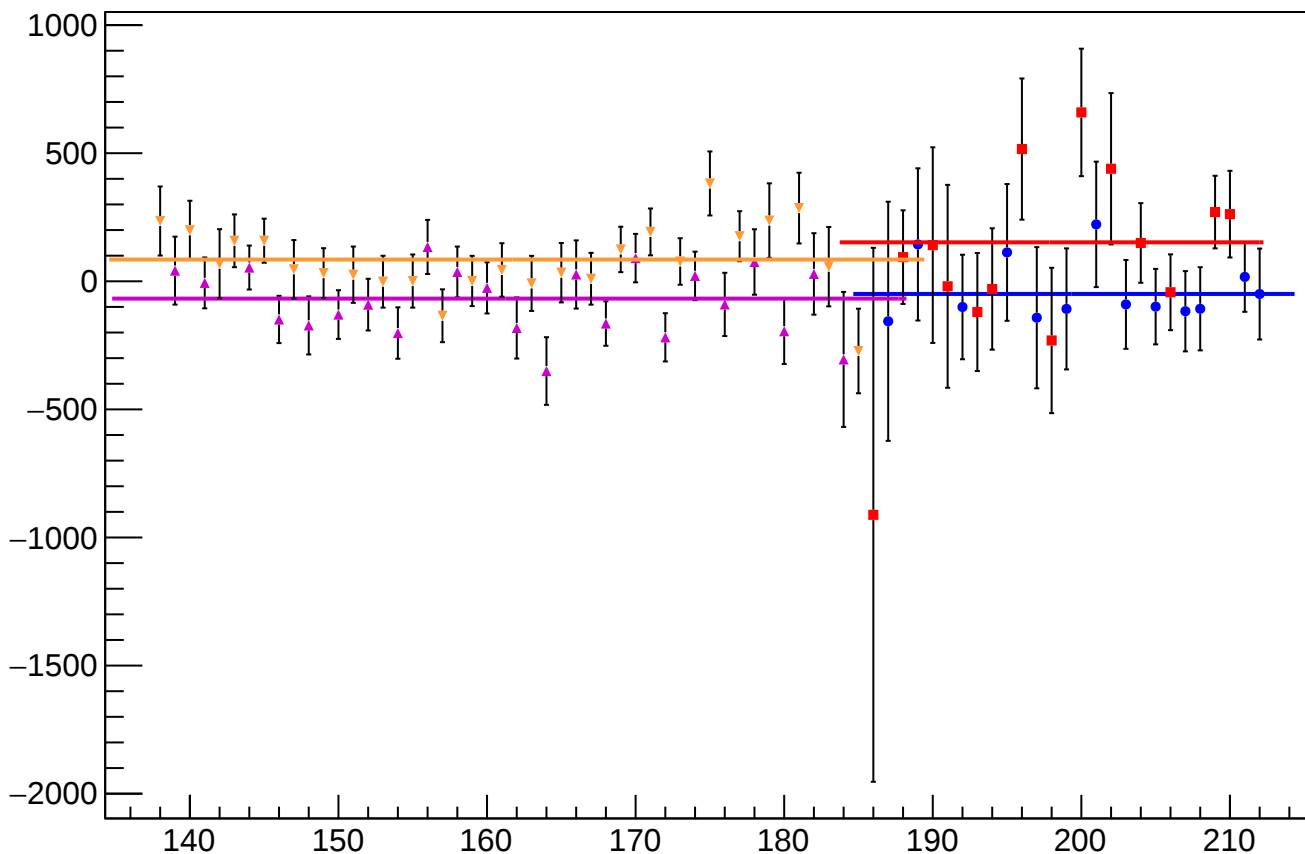
Left In: 693.867+/-0.119 χ^2 /NDF: 522053.5/22

+ sign 767.052+/-0.108 χ^2 /NDF: 4432125.0/37

All: 770.043+/-0.077 χ^2 /NDF: 9493274.7/74

- sign 773.219+/-0.111 χ^2 /NDF: 5059560.5/36

reg_asym_sam_3748_avg_mean vs Slug



Right In: -49.368 ± 53.800 χ^2/NDF : 3.0/12

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 152.105 ± 57.186 χ^2/NDF : 14.8/13

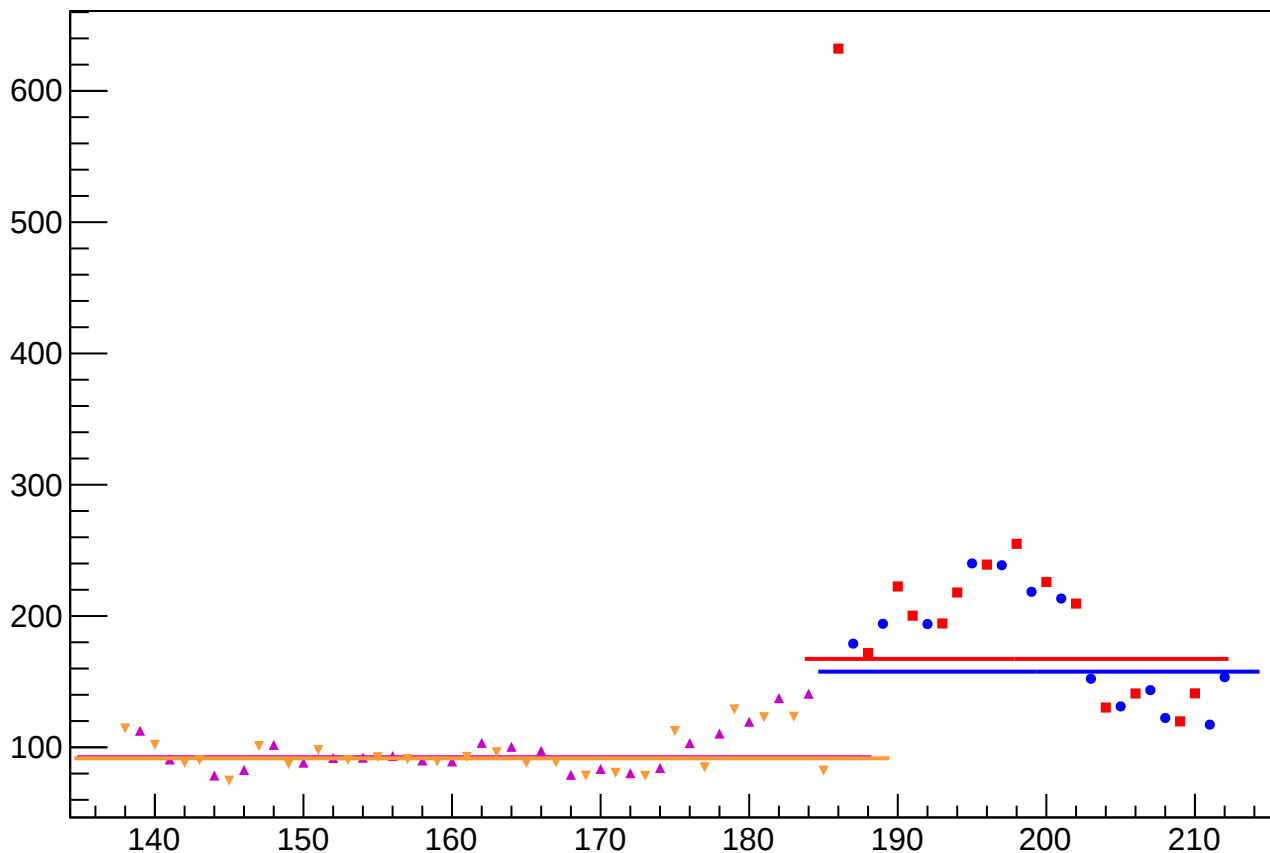
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 66.163 ± 20.079 χ^2/NDF : 36.9/37

All: 16.053 ± 14.478 χ^2/NDF : 106.3/74

- sign -38.221 ± 20.897 χ^2/NDF : 56.5/36

reg_asym_sam_3748_avg_rms vs Slug



Right In: 157.634 $\pm$ 0.038 χ^2 /NDF: 1051908.0/12

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 167.344 $\pm$ 0.040 χ^2 /NDF: 1502686.6/13

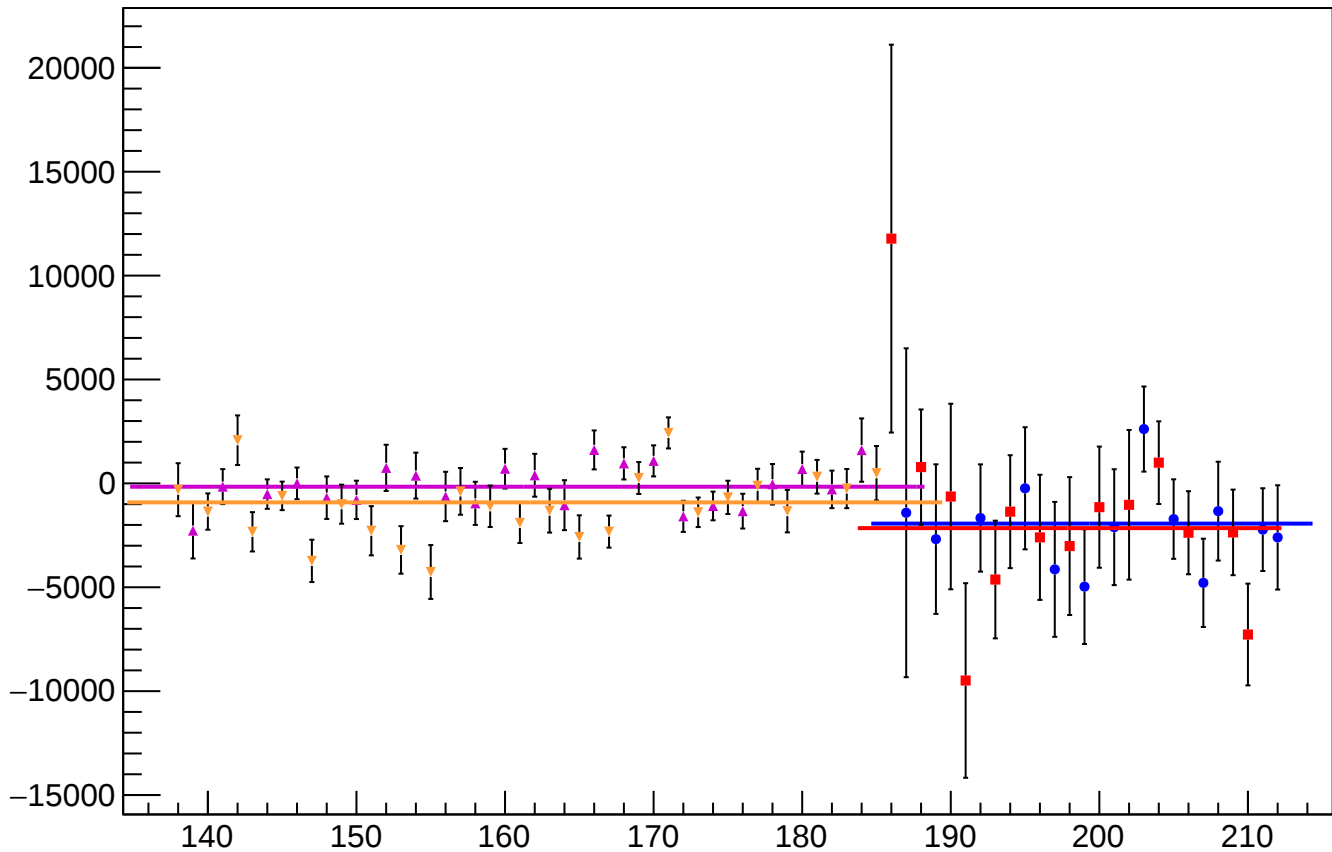
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 100.826 $\pm$ 0.014 χ^2 /NDF: 4335808.3/37

All: 101.613 $\pm$ 0.010 χ^2 /NDF: 9471714.8/74

- sign 102.464 $\pm$ 0.015 χ^2 /NDF: 5129514.3/36

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1936.263+/-701.123 χ^2/NDF : 9.0/12

Left Out: -914.719+/-185.341 χ^2/NDF : 64.2/24

Right Out: -2154.745+/-745.650 χ^2/NDF : 14.0/13

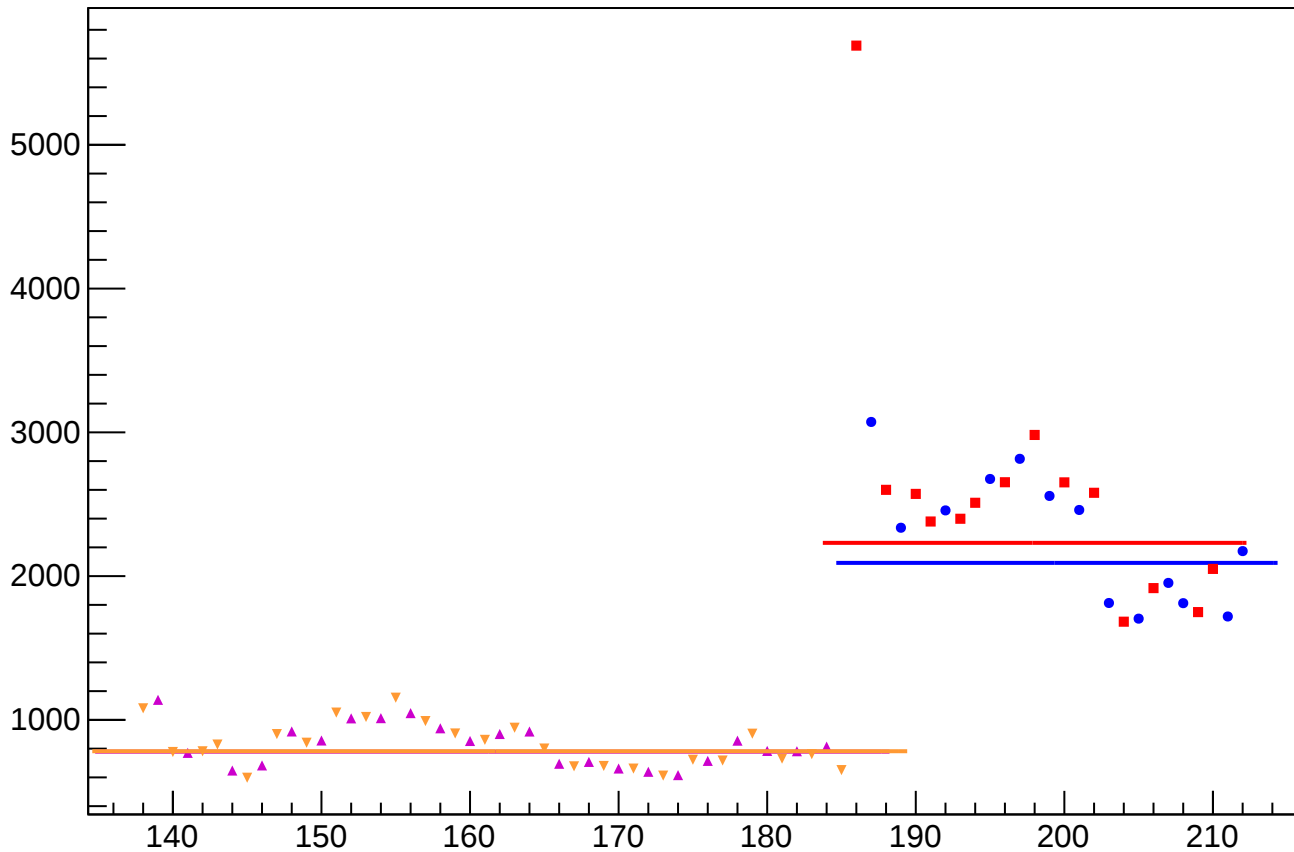
Left In: -161.076+/-189.491 χ^2/NDF : 25.1/22

+ sign -981.442+/-179.186 χ^2/NDF : 75.1/37

All: -640.341+/-128.254 χ^2/NDF : 128.3/74

- sign -282.019+/-183.653 χ^2/NDF : 45.8/36

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2092.106 $\pm$ 0.496 χ^2 /NDF: 577760.8/12

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2231.426 $\pm$ 0.527 χ^2 /NDF: 875324.9/13

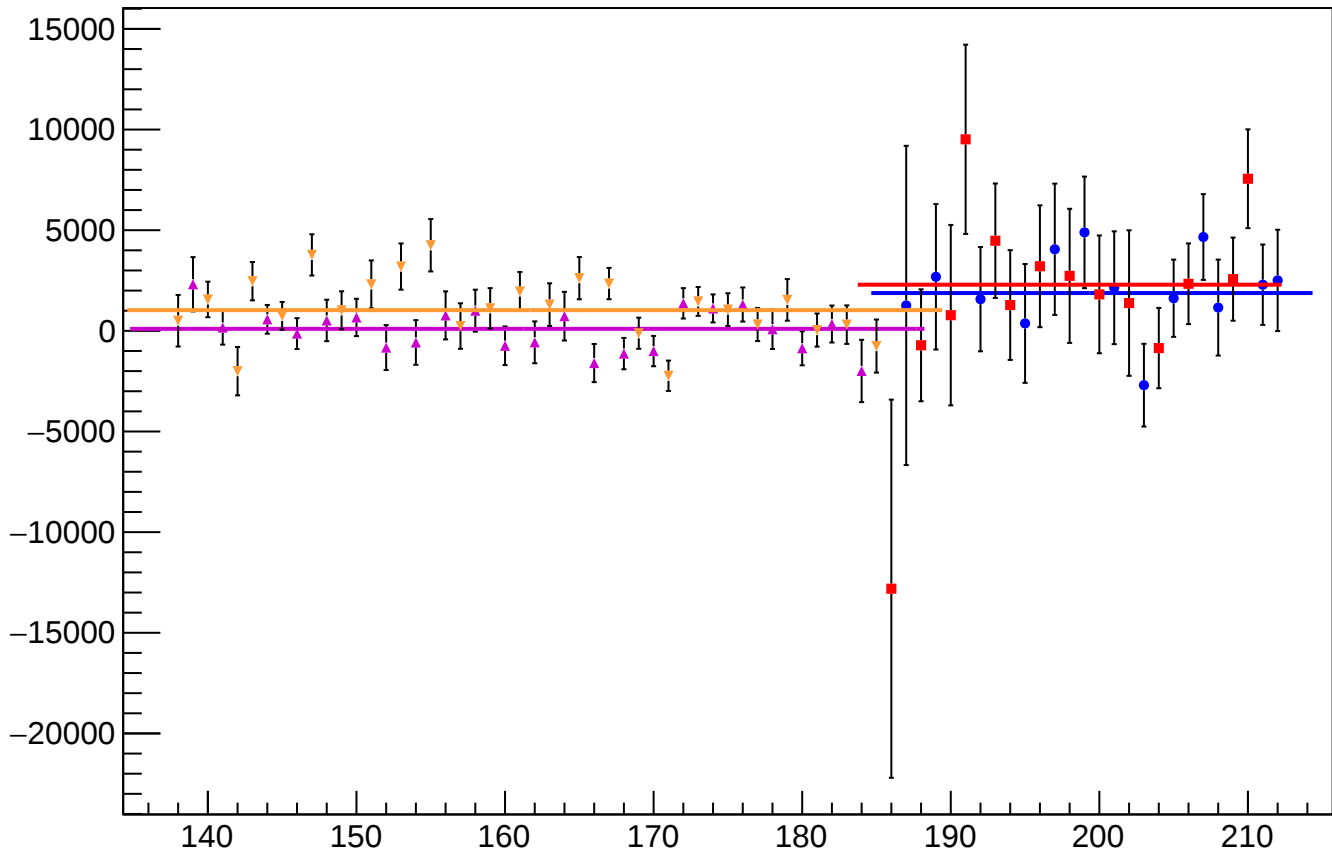
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 867.610 $\pm$ 0.127 χ^2 /NDF: 8235406.9/37

All: 867.363 $\pm$ 0.091 χ^2 /NDF: 17219056.7/74

- sign 867.104 $\pm$ 0.130 χ^2 /NDF: 8983642.1/36

asym_sam_3748_avg_mean vs Slug



Right In: 1877.810 ± 703.378 χ^2/NDF : 8.8/12

Left Out: 1028.864 ± 186.810 χ^2/NDF : 60.2/24

Right Out: 2291.995 ± 748.082 χ^2/NDF : 14.3/13

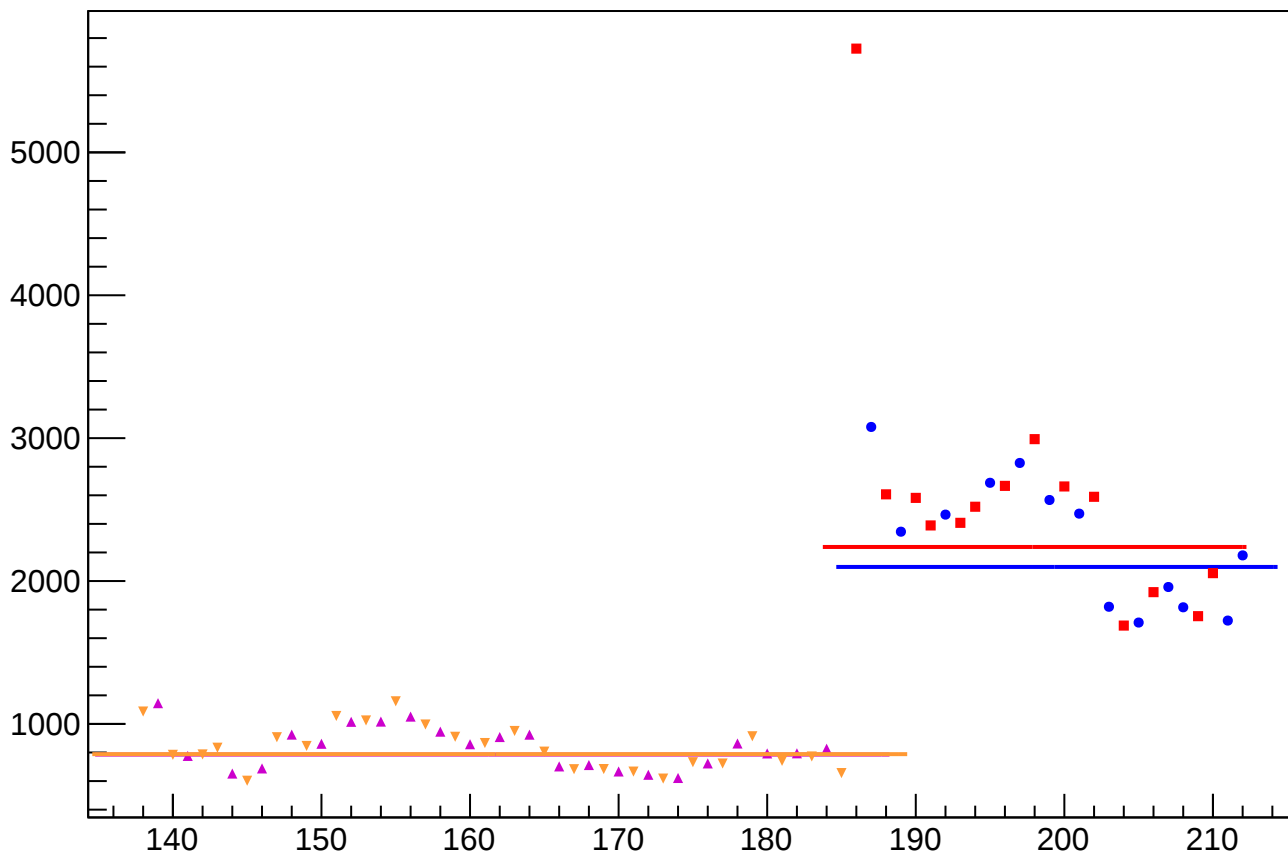
Left In: 98.691 ± 191.027 χ^2/NDF : 25.4/22

+ sign 1084.801 ± 180.551 χ^2/NDF : 70.4/37

All: 669.446 ± 129.243 χ^2/NDF : 128.9/74

- sign 232.954 ± 185.088 χ^2/NDF : 47.7/36

asym_sam_3748_avg_rms vs Slug



Right In: 2098.684+/-0.497 χ^2/NDF : 580304.4/12

Left Out: 788.442+/-0.132 χ^2/NDF :1113741.6/24

Right Out: 2238.474+/-0.529 χ^2/NDF : 879199.0/13

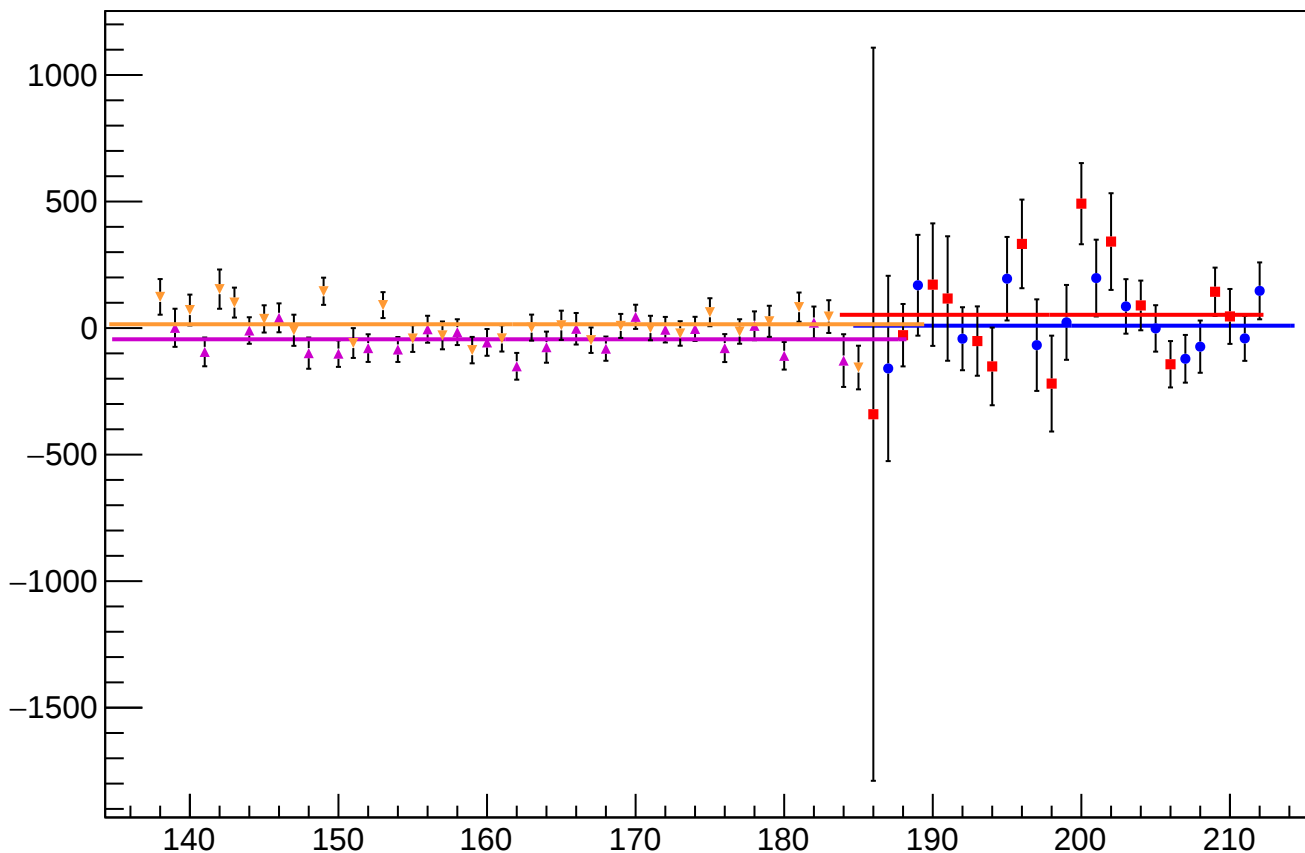
Left In: 785.490+/-0.135 χ^2/NDF :965338.9/22

+ sign 874.774+/-0.128 χ^2/NDF : 8176700.3/37

All: 874.609+/-0.091 χ^2/NDF : 17104280.1/74

- sign 874.435+/-0.131 χ^2/NDF : 8927576.4/36

reg_asym_sam_1526_avg_mean vs Slug



Right In: 9.422 ± 33.879 χ^2/NDF : 8.9/12

Left Out: 15.099 ± 11.154 χ^2/NDF : 34.2/24

Right Out: 52.437 ± 36.765 χ^2/NDF : 23.2/13

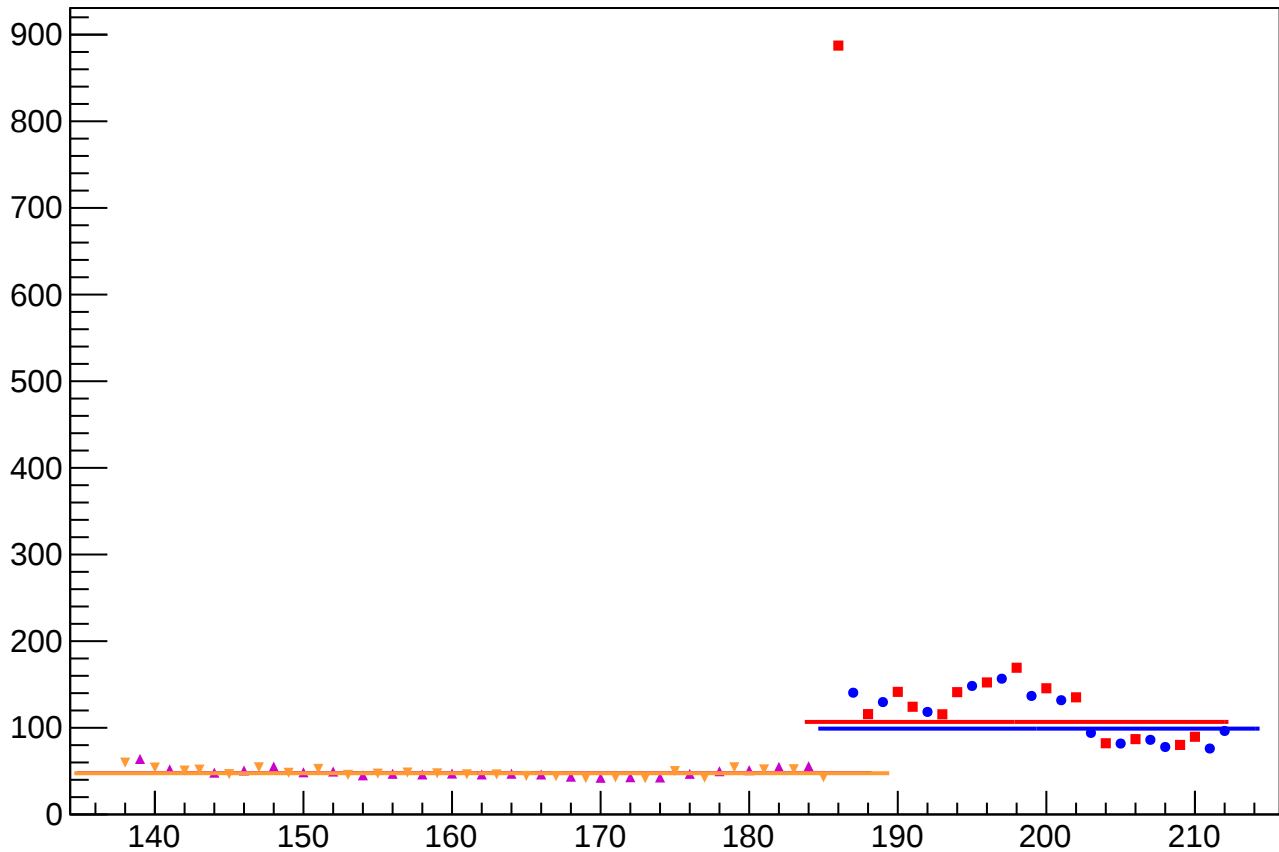
Left In: -44.297 ± 11.530 χ^2/NDF : 22.3/22

+ sign 14.544 ± 10.595 χ^2/NDF : 43.1/37

All: -9.601 ± 7.631 χ^2/NDF : 105.7/74

- sign -35.635 ± 11.001 χ^2/NDF : 51.8/36

reg_asym_sam_1526_avg_rms vs Slug



Right In: 99.058+/-0.024 χ^2/NDF : 1057151.0/12

Left Out: 47.586+/-0.008 χ^2/NDF : 312874.8/24

Right Out: 106.804+/-0.026 χ^2/NDF : 1690058.4/13

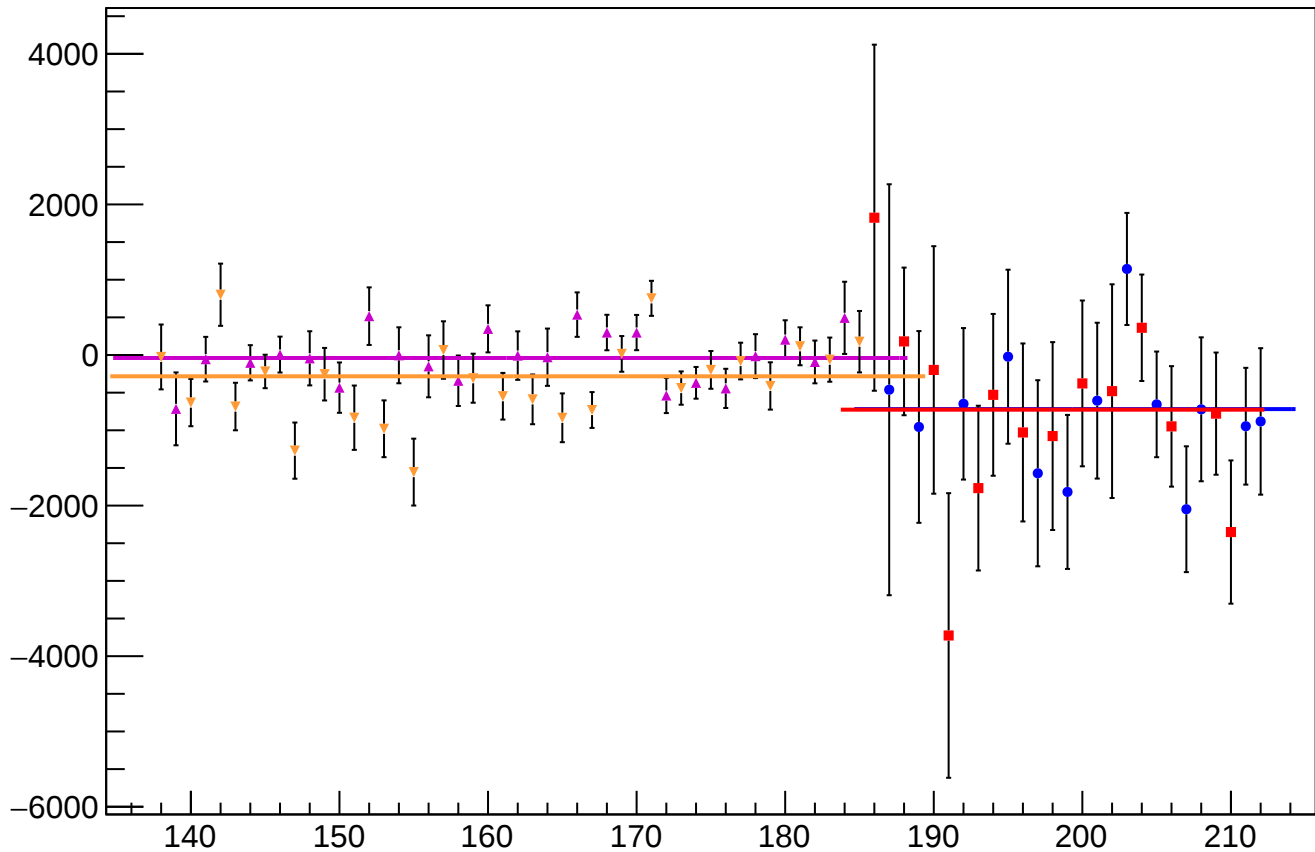
Left In: 47.846+/-0.008 χ^2/NDF : 281790.1/22

+ sign 52.620+/-0.007 χ^2/NDF : 5535018.3/37

All: 52.863+/-0.005 χ^2/NDF : 12191986.8/74

- sign 53.125+/-0.008 χ^2/NDF : 6654779.4/36

asym_sam_1526_avg_correction_mean vs Slug



Right In: -718.358 ± 266.178 χ^2/NDF : 11.0/12

Left Out: -282.798 ± 59.690 χ^2/NDF : 66.5/24

Right Out: -725.727 ± 283.451 χ^2/NDF : 11.3/13

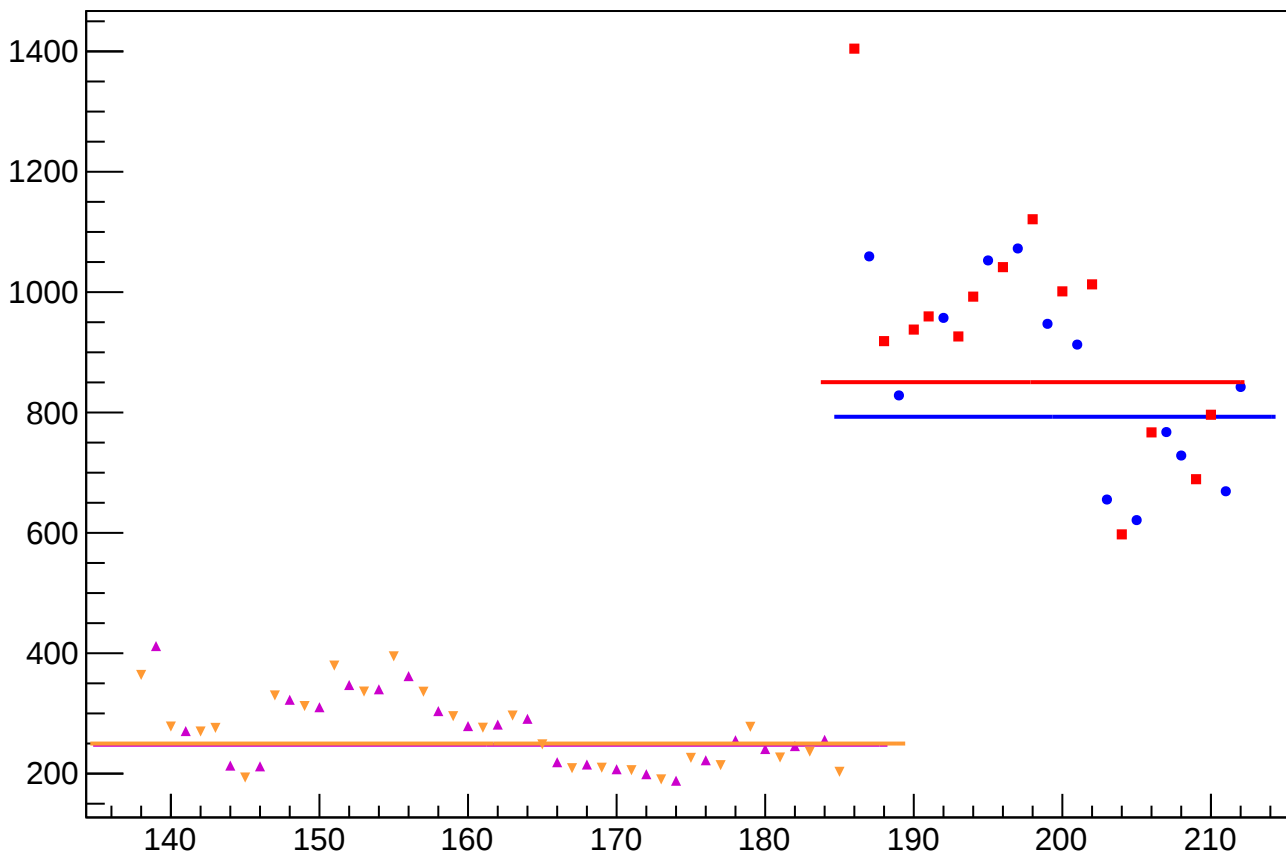
Left In: -39.432 ± 60.759 χ^2/NDF : 27.5/22

+ sign -303.653 ± 58.243 χ^2/NDF : 80.0/37

All: -188.936 ± 41.590 χ^2/NDF : 132.4/74

- sign -69.580 ± 59.409 χ^2/NDF : 44.4/36

asym_sam_1526_avg_correction_rms vs Slug



Right In: 792.924 $\pm$ 0.188 χ^2 /NDF: 604907.6/12

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF: 1614205.9/24

Right Out: 850.413 $\pm$ 0.200 χ^2 /NDF: 756189.9/13

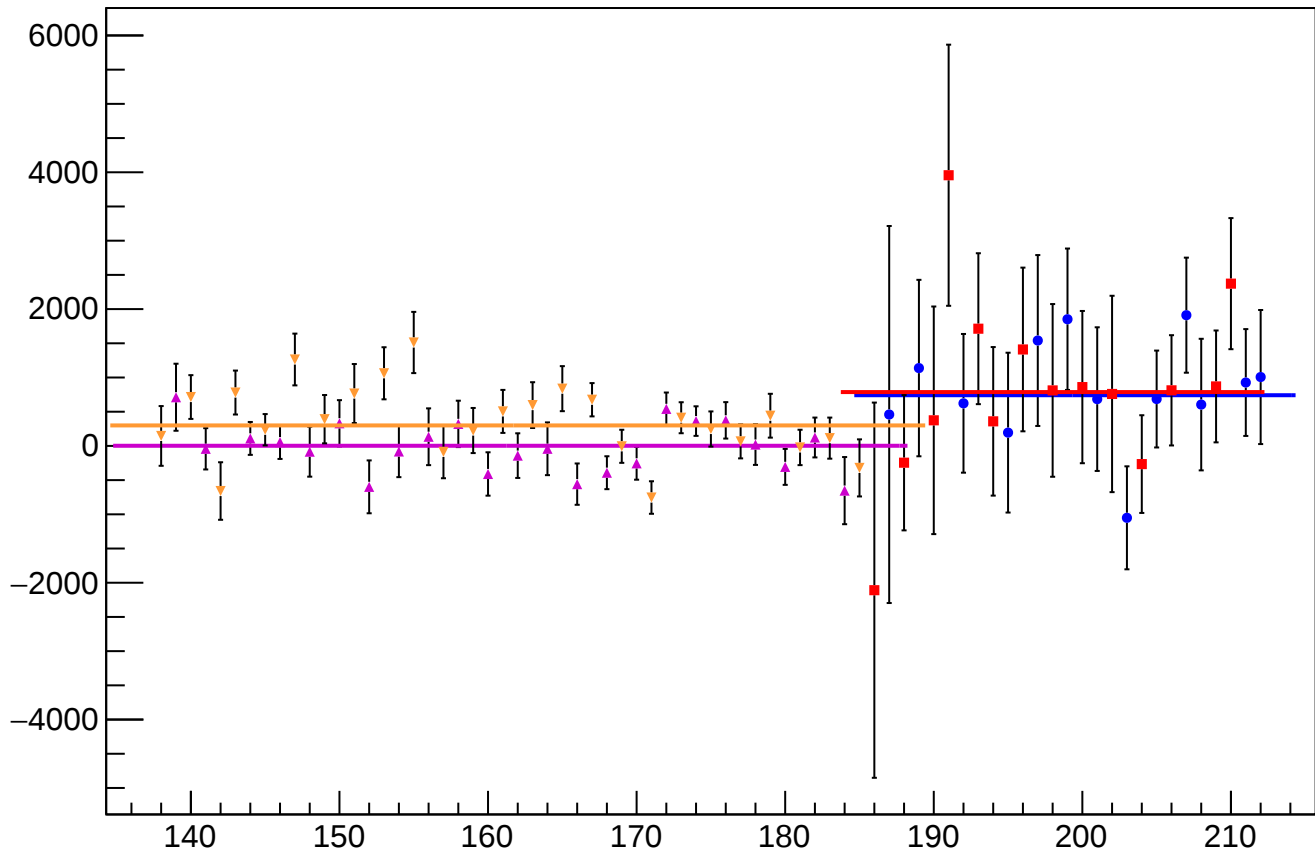
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF: 1410847.5/22

+ sign 275.953 $\pm$ 0.041 χ^2 /NDF: 10142743.8/37

All: 275.184 $\pm$ 0.029 χ^2 /NDF: 20949654.1/74

- sign 274.384 $\pm$ 0.042 χ^2 /NDF: 10806198.7/36

asym_sam_1526_avg_mean vs Slug



Right In: 741.034 $\pm$ 268.625 χ^2 /NDF: 9.7/12

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF: 62.5/24

Right Out: 787.047 $\pm$ 286.704 χ^2 /NDF: 11.1/13

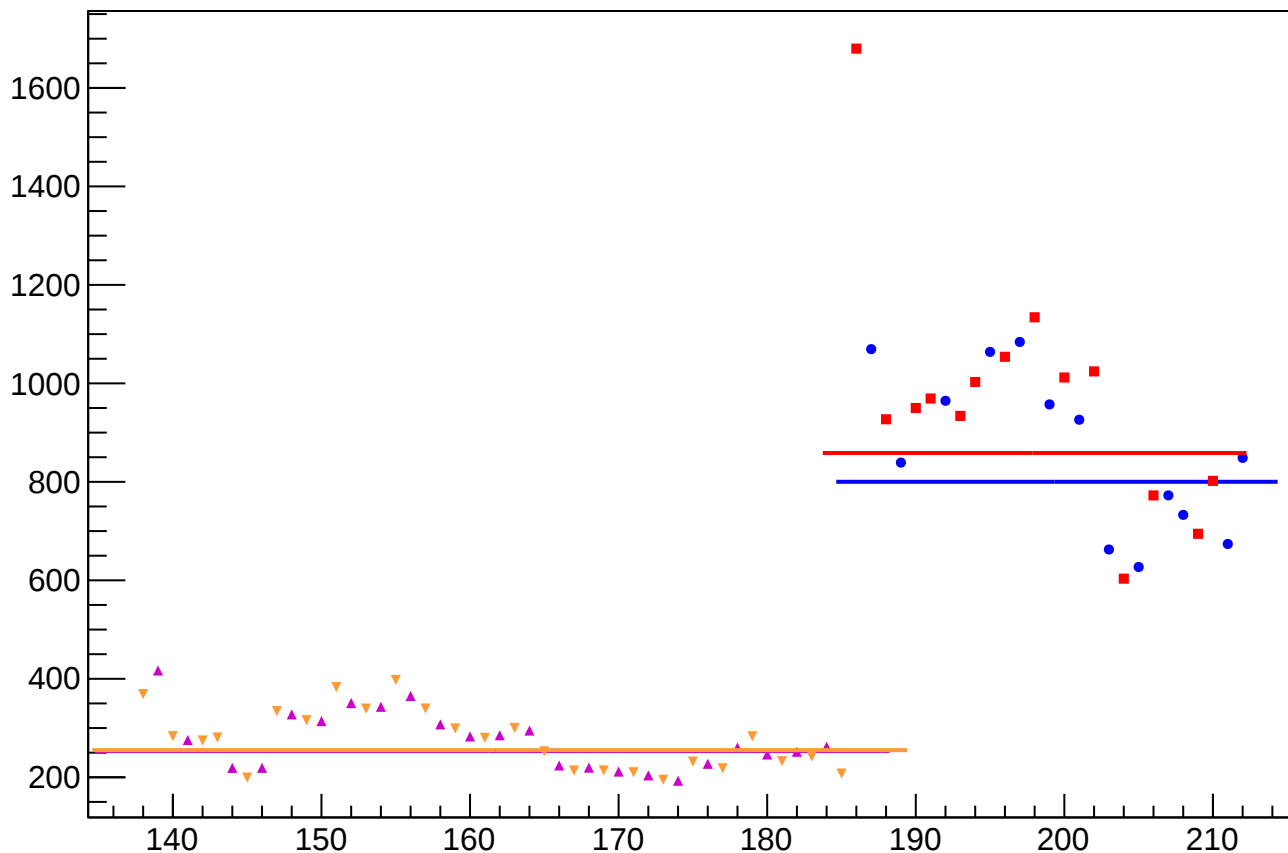
Left In: 2.185 $\pm$ 62.005 χ^2 /NDF: 29.2/22

+ sign 321.116 $\pm$ 59.355 χ^2 /NDF: 74.7/37

All: 182.139 $\pm$ 42.405 χ^2 /NDF: 133.3/74

- sign 37.254 $\pm$ 60.604 χ^2 /NDF: 47.4/36

asym_sam_1526_avg_rms vs Slug



Right In: 800.113+/-0.190 χ^2/NDF : 609416.4/12

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 858.628+/-0.203 χ^2/NDF : 825424.8/13

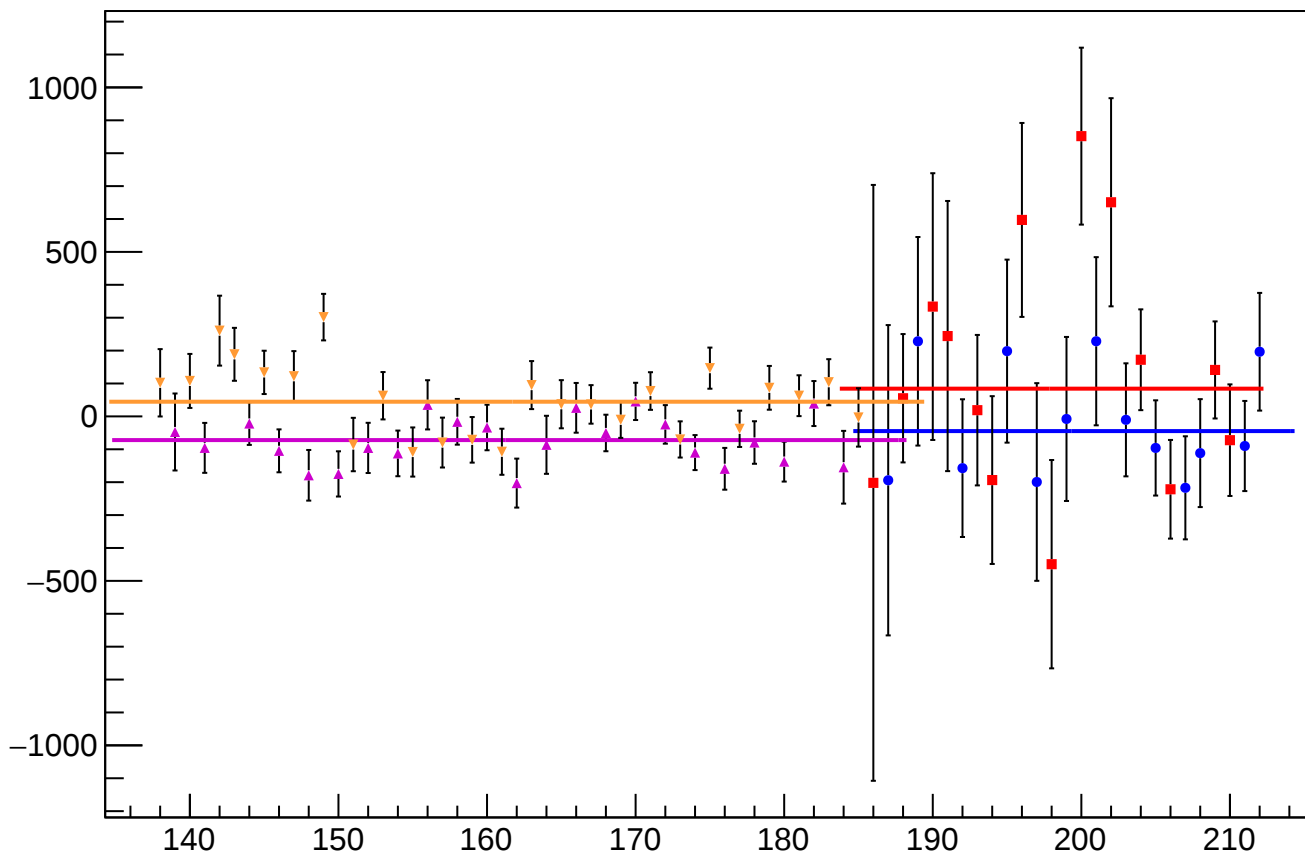
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 281.743+/-0.042 χ^2/NDF : 9981346.2/37

All: 281.054+/-0.030 χ^2/NDF : 20666448.0/74

- sign 280.335+/-0.043 χ^2/NDF : 10684550.9/36

reg_asym_sam_3726_avg_mean vs Slug



Right In: -44.699 ± 54.498 χ^2/NDF : 6.8/12

Left Out: 44.602 ± 13.824 χ^2/NDF : 53.9/24

Right Out: 84.290 ± 59.022 χ^2/NDF : 24.6/13

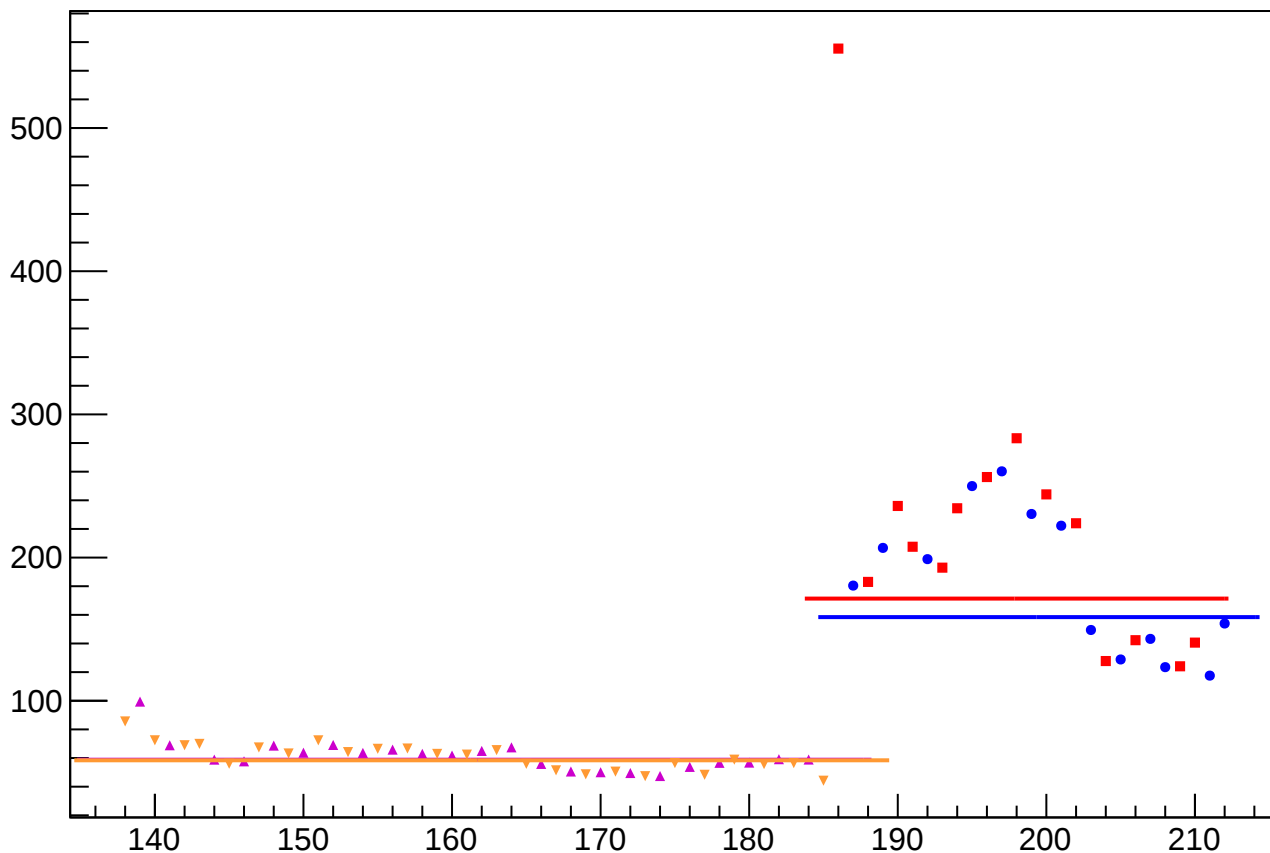
Left In: -72.037 ± 14.296 χ^2/NDF : 25.3/22

+ sign 39.203 ± 13.400 χ^2/NDF : 63.2/37

All: -10.227 ± 9.645 χ^2/NDF : 148.0/74

- sign -63.373 ± 13.895 χ^2/NDF : 56.6/36

reg_asym_sam_3726_avg_rms vs Slug



Right In: 158.427+/-0.039 χ^2/NDF : 1241288.1/12

Left Out: 58.423+/-0.010 χ^2/NDF : 790091.3/24

+ sign 64.469+/-0.009 χ^2/NDF : 8358799.3/37

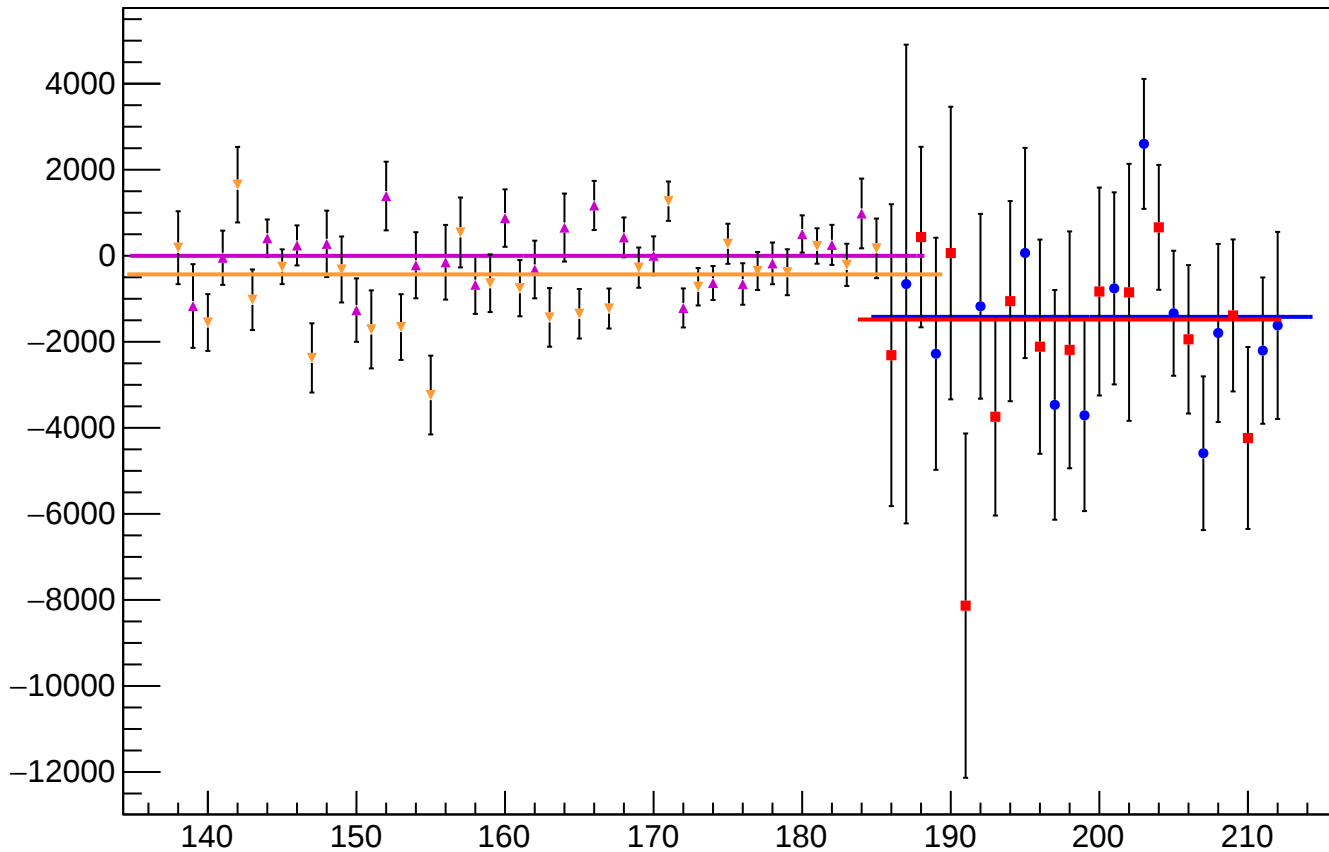
Right Out: 171.362+/-0.042 χ^2/NDF : 1699588.9/13

All: 64.761+/-0.007 χ^2/NDF : 17606664.3/74

Left In: 58.840+/-0.010 χ^2/NDF : 679925.7/22

- sign 65.076+/-0.010 χ^2/NDF : 9245887.1/36

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1420.001 ± 566.809 χ^2/NDF : 12.7/12

Left Out: -432.330 ± 114.408 χ^2/NDF : 59.4/24

Right Out: -1481.420 ± 601.604 χ^2/NDF : 9.1/13

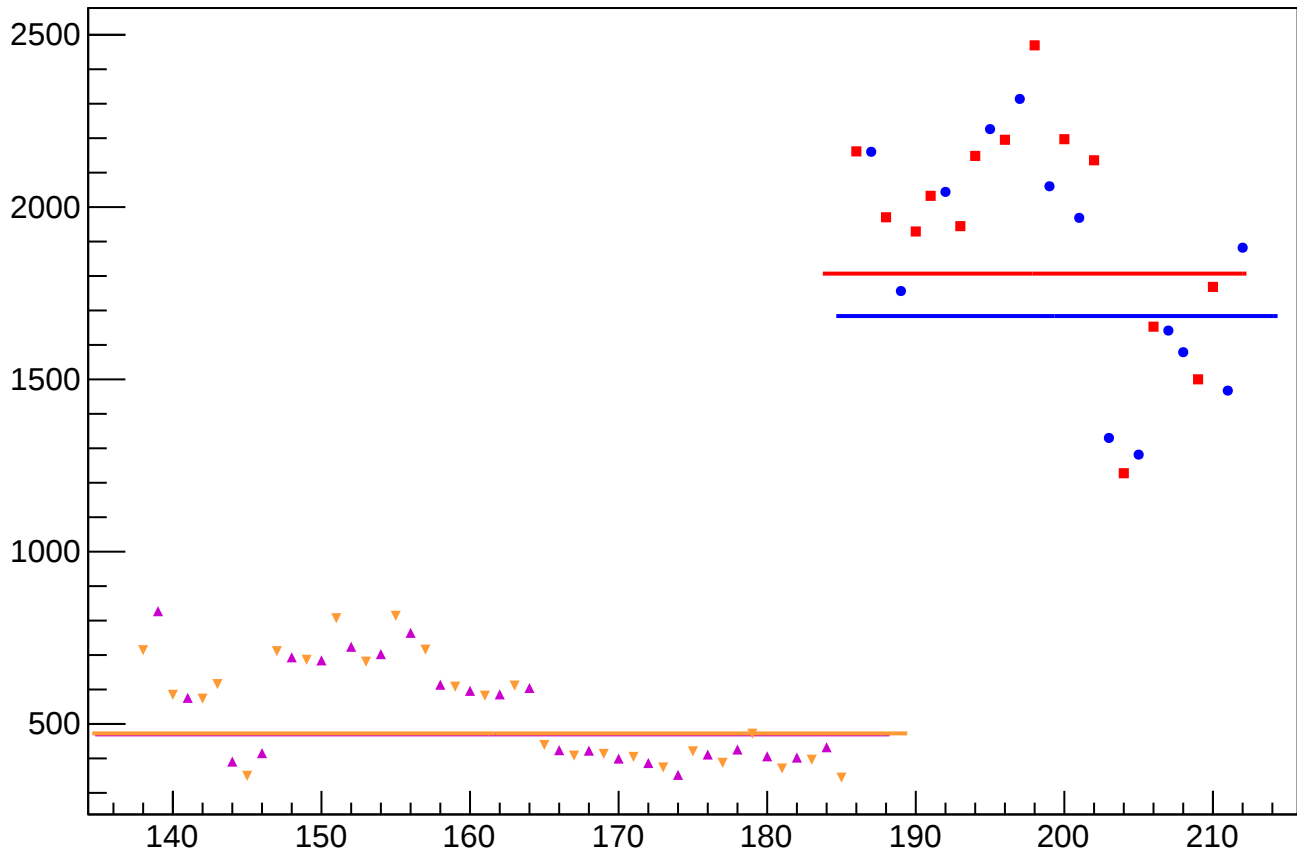
Left In: -1.825 ± 116.459 χ^2/NDF : 32.3/22

+ sign -470.994 ± 112.146 χ^2/NDF : 75.0/37

All: -267.150 ± 80.062 χ^2/NDF : 129.0/74

- sign -55.268 ± 114.336 χ^2/NDF : 47.2/36

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1683.787 $\pm$ 0.401 χ^2 /NDF: 690463.2/12

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF: 2508168.9/24

Right Out: 1806.977 $\pm$ 0.425 χ^2 /NDF: 728084.8/13

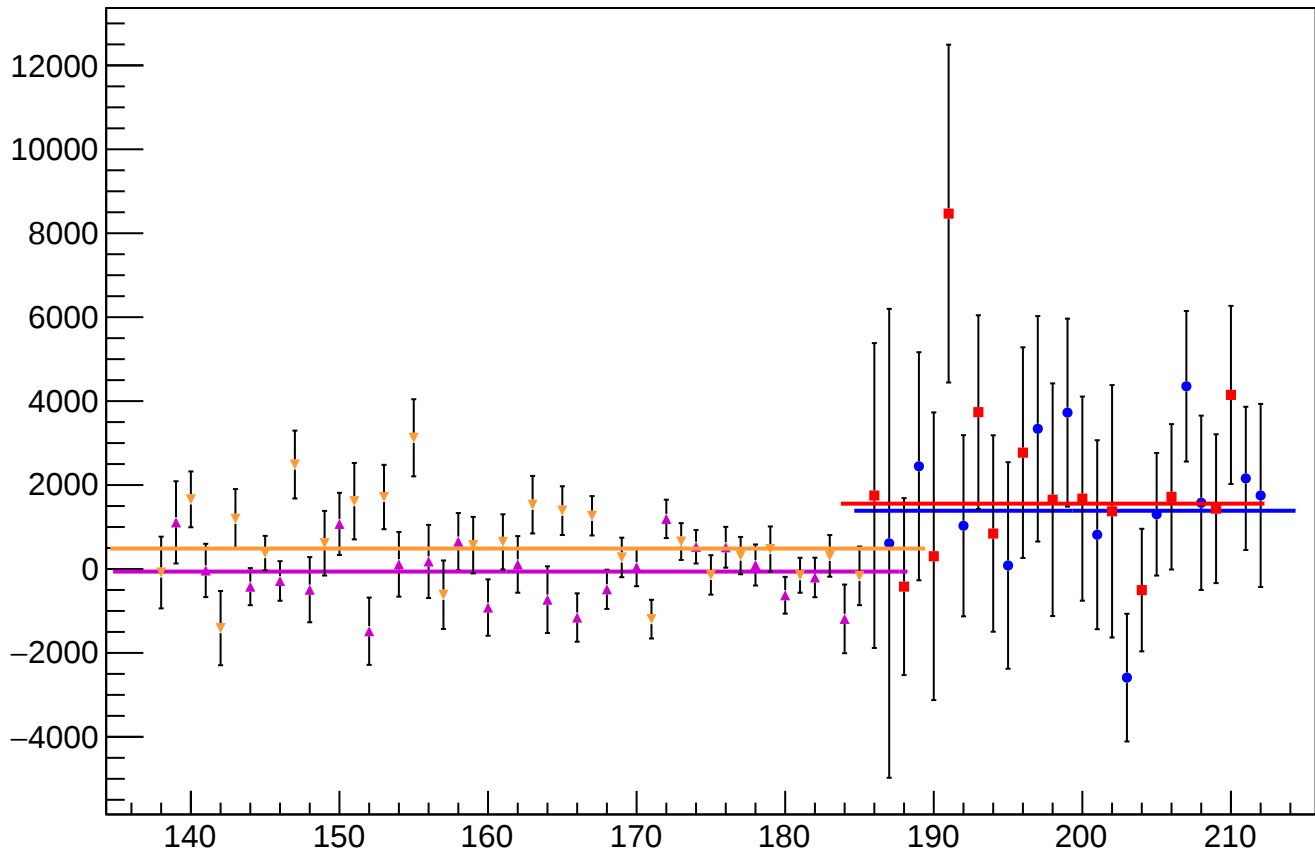
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF: 2116885.7/22

+ sign 519.984 $\pm$ 0.079 χ^2 /NDF: 11973856.6/37

All: 519.041 $\pm$ 0.057 χ^2 /NDF: 24343443.5/74

- sign 518.061 $\pm$ 0.081 χ^2 /NDF: 12369298.6/36

asym_sam_3726_avg_mean vs Slug



Right In: 1387.686 $\pm$ 569.868 χ^2 /NDF: 12.0/12

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF: 56.0/24

Right Out: 1556.717 $\pm$ 605.355 χ^2 /NDF: 8.7/13

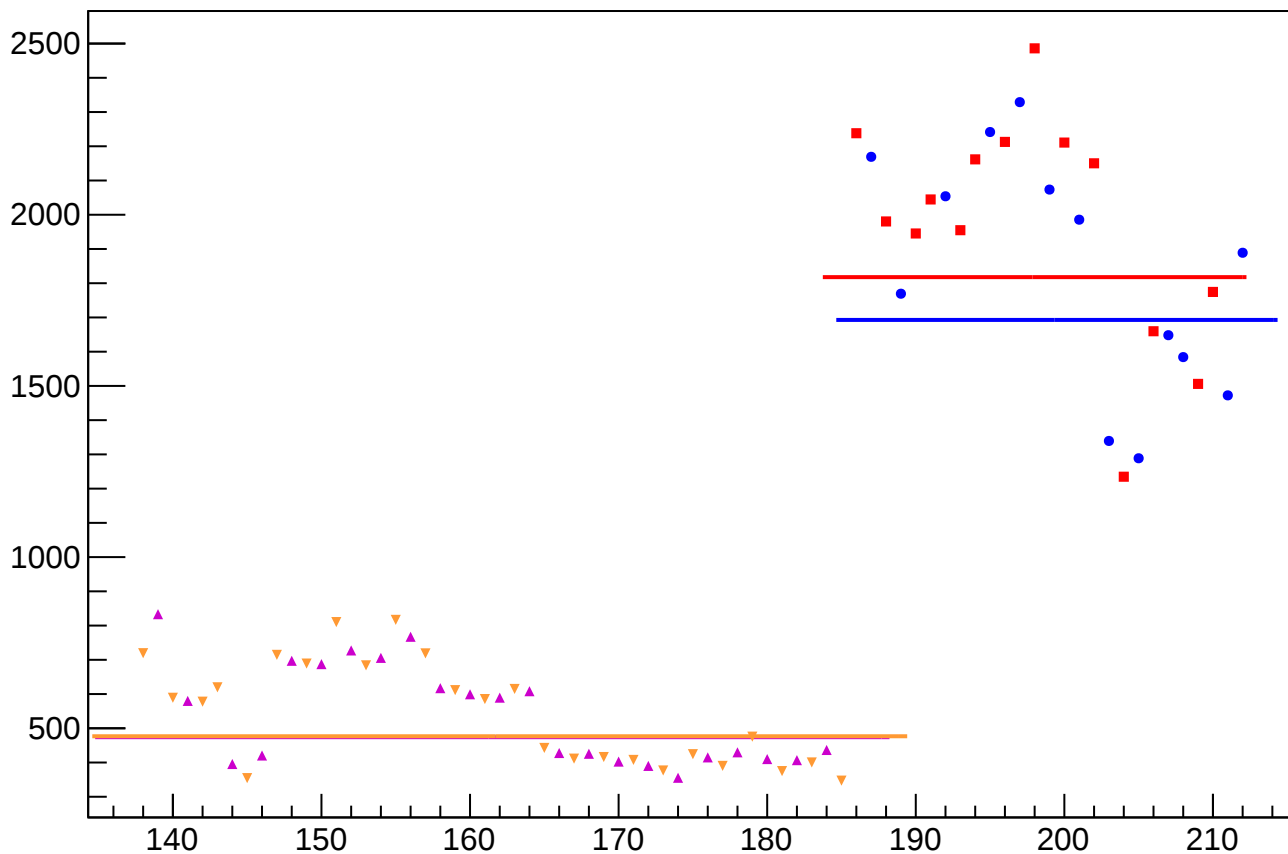
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF: 31.2/22

+ sign 522.107 $\pm$ 113.054 χ^2 /NDF: 70.4/37

All: 264.686 $\pm$ 80.723 χ^2 /NDF: 127.7/74

- sign -3.061 $\pm$ 115.299 χ^2 /NDF: 46.7/36

asym_sam_3726_avg_rms vs Slug



Right In: 1692.769 $\pm$ 0.403 χ^2 /NDF: 692655.6/12

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF: 2472737.6/24

Right Out: 1817.759 $\pm$ 0.428 χ^2 /NDF: 738650.4/13

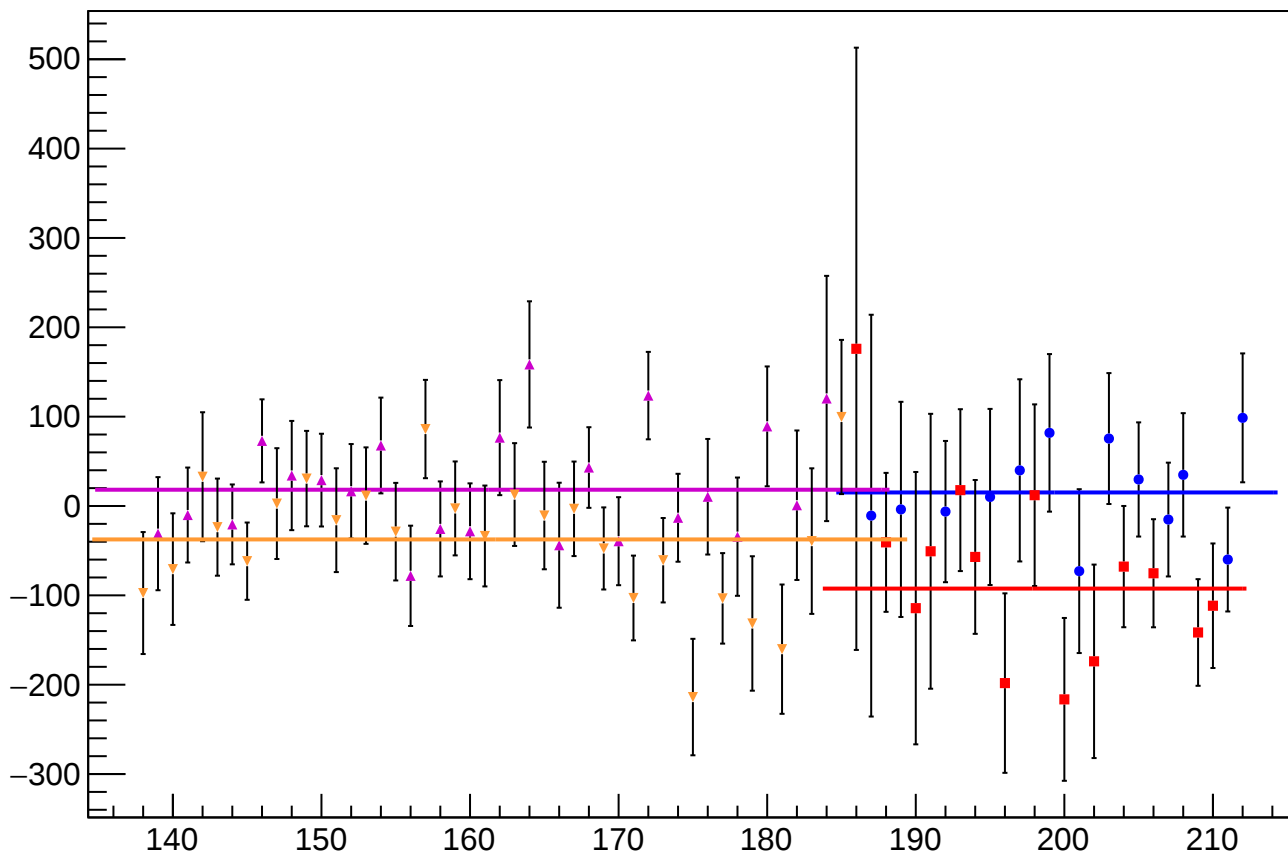
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF: 2087113.7/22

+ sign 524.551 $\pm$ 0.080 χ^2 /NDF: 11914574.7/37

All: 523.659 $\pm$ 0.057 χ^2 /NDF: 24238217.9/74

- sign 522.731 $\pm$ 0.082 χ^2 /NDF: 12323389.3/36

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 15.160 ± 21.973 χ^2/NDF : 5.7/12

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -92.438 ± 22.971 χ^2/NDF : 8.4/13

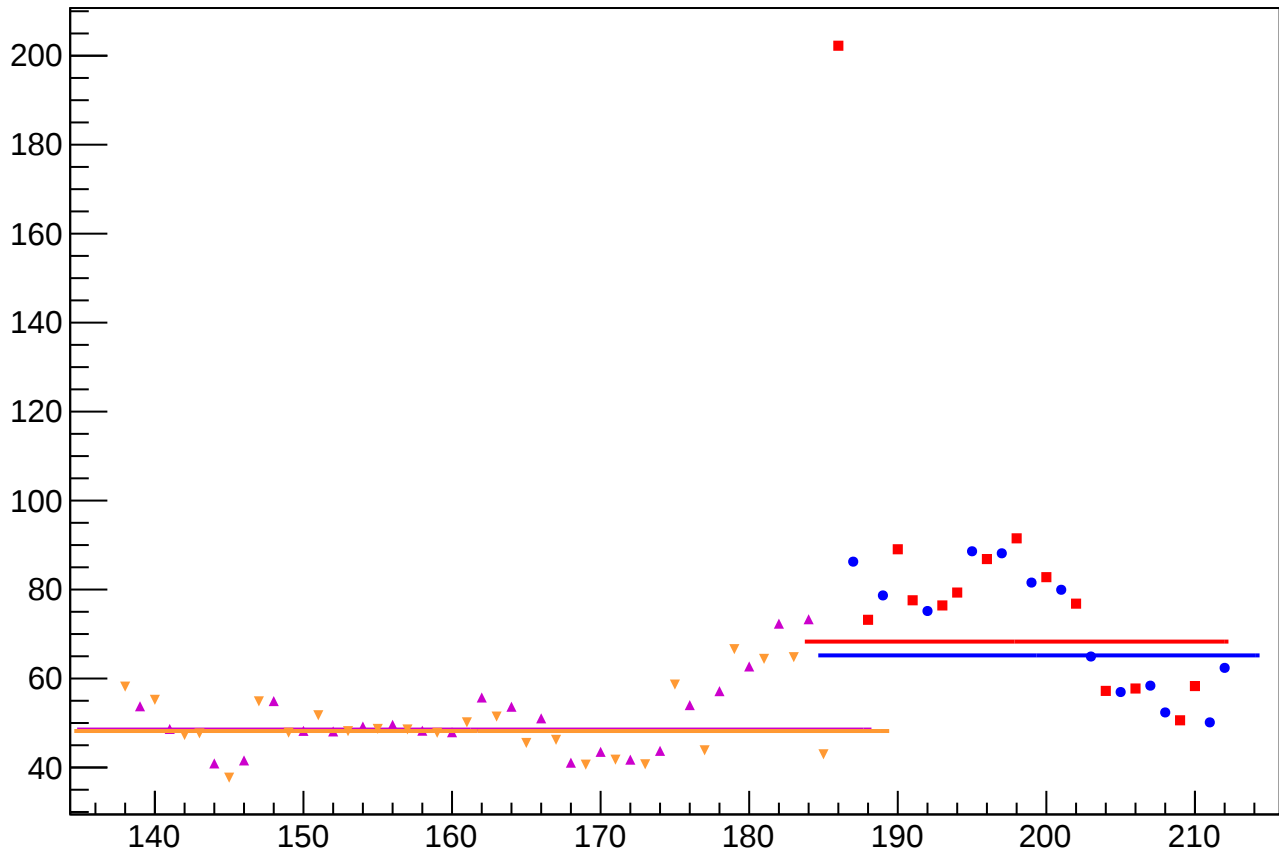
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -26.279 ± 10.112 χ^2/NDF : 40.7/37

All: -15.957 ± 7.279 χ^2/NDF : 92.6/74

- sign -4.853 ± 10.488 χ^2/NDF : 49.7/36

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 65.197 $\pm$ 0.016 χ^2 /NDF: 671625.8/12

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 68.299 $\pm$ 0.016 χ^2 /NDF: 983677.6/13

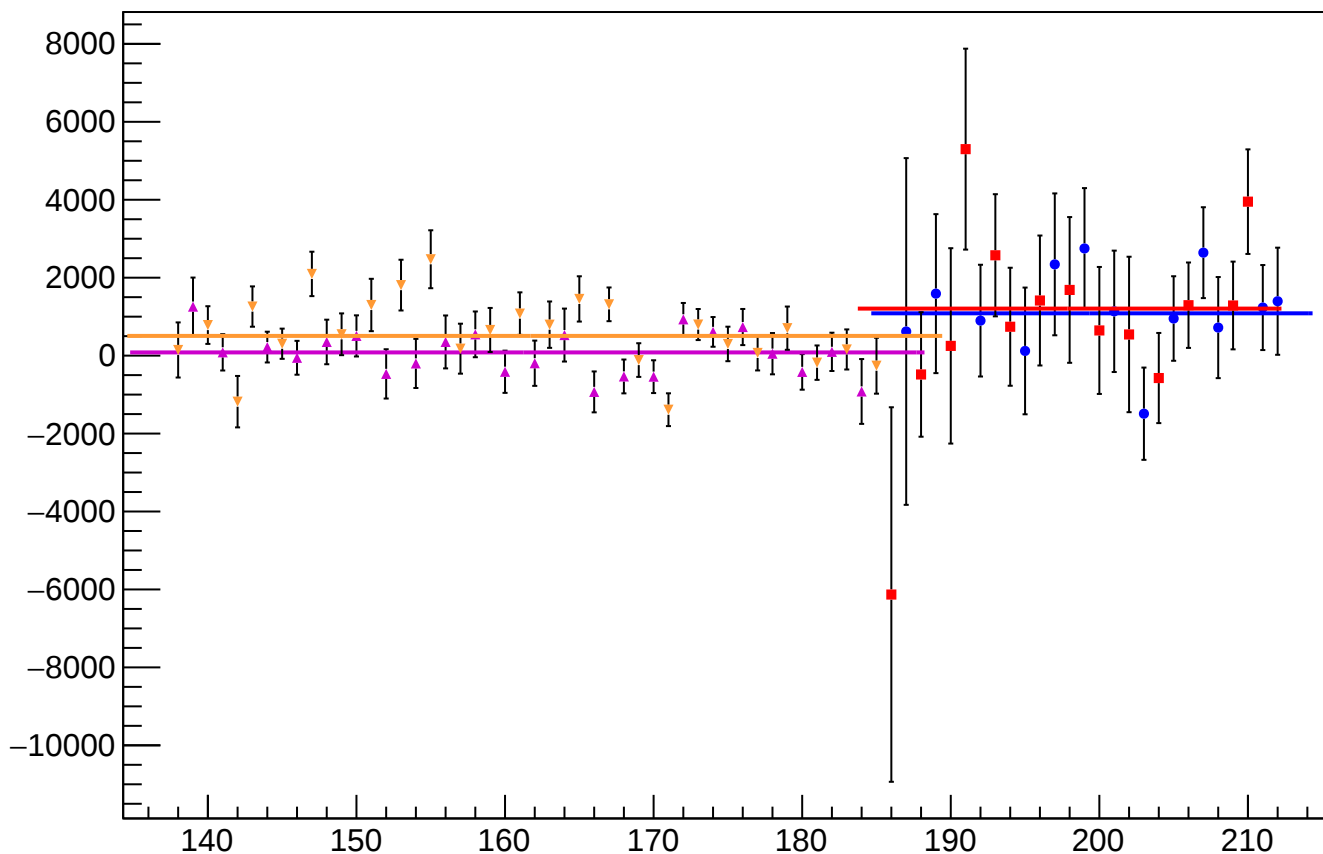
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 51.799 $\pm$ 0.007 χ^2 /NDF: 2365108.1/37

All: 52.208 $\pm$ 0.005 χ^2 /NDF: 5203811.3/74

- sign 52.648 $\pm$ 0.007 χ^2 /NDF: 2831915.3/36

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1085.742 $\pm$ 390.732 χ^2 /NDF: 8.8/12

Left Out: 506.205 $\pm$ 103.468 χ^2 /NDF: 65.7/24

Right Out: 1206.790 $\pm$ 415.714 χ^2 /NDF: 13.8/13

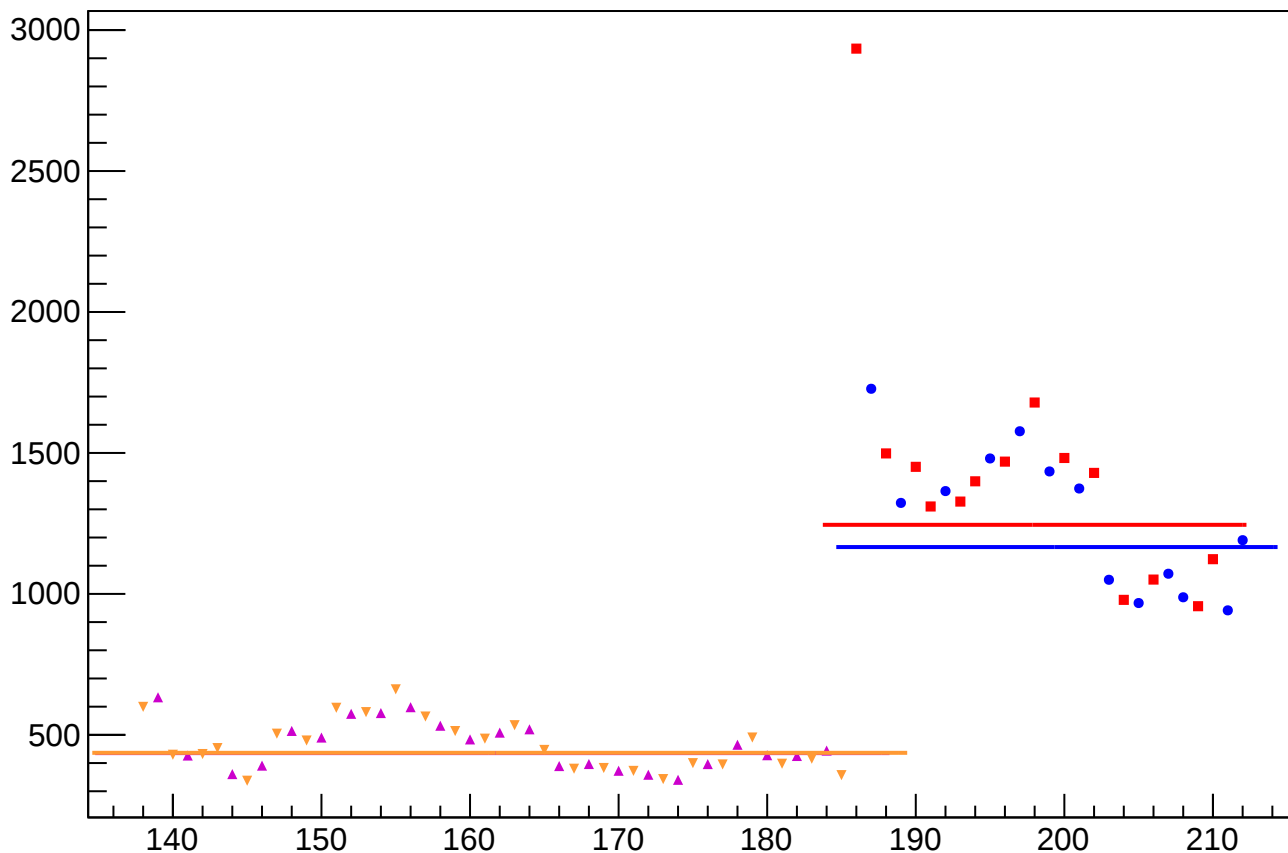
Left In: 82.421 $\pm$ 105.935 χ^2 /NDF: 25.3/22

+ sign 544.180 $\pm$ 100.020 χ^2 /NDF: 76.5/37

All: 352.691 $\pm$ 71.638 χ^2 /NDF: 130.1/74

- sign 150.982 $\pm$ 102.655 χ^2 /NDF: 46.1/36

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1166.184 $\pm$ 0.276 χ^2/NDF : 576651.7/12

Left Out: 436.301 $\pm$ 0.073 χ^2/NDF : 1179348.4/24

Right Out: 1245.054 $\pm$ 0.294 χ^2/NDF : 858381.3/13

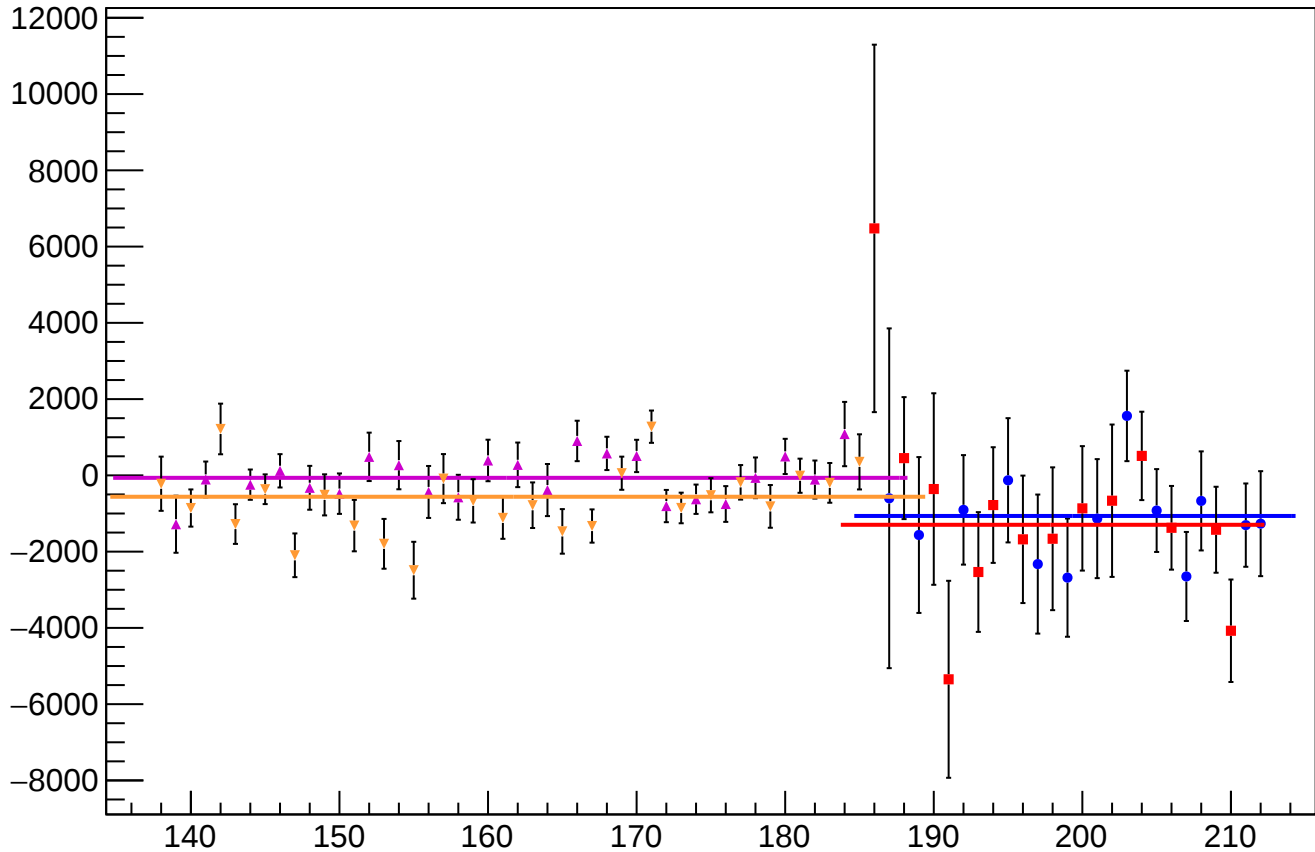
Left In: 435.275 $\pm$ 0.075 χ^2/NDF : 1027713.1/22

+ sign 484.128 $\pm$ 0.071 χ^2/NDF : 8277469.1/37

All: 484.384 $\pm$ 0.051 χ^2/NDF : 17289650.7/74

- sign 484.653 $\pm$ 0.073 χ^2/NDF : 9012154.8/36

asym_sam_15_48_dd_mean vs Slug



Right In: -1064.303+/-391.389 χ^2/NDF : 8.9/12

Left Out: -560.684+/-104.207 χ^2/NDF : 61.8/24

Right Out: -1296.107+/-416.399 χ^2/NDF : 14.1/13

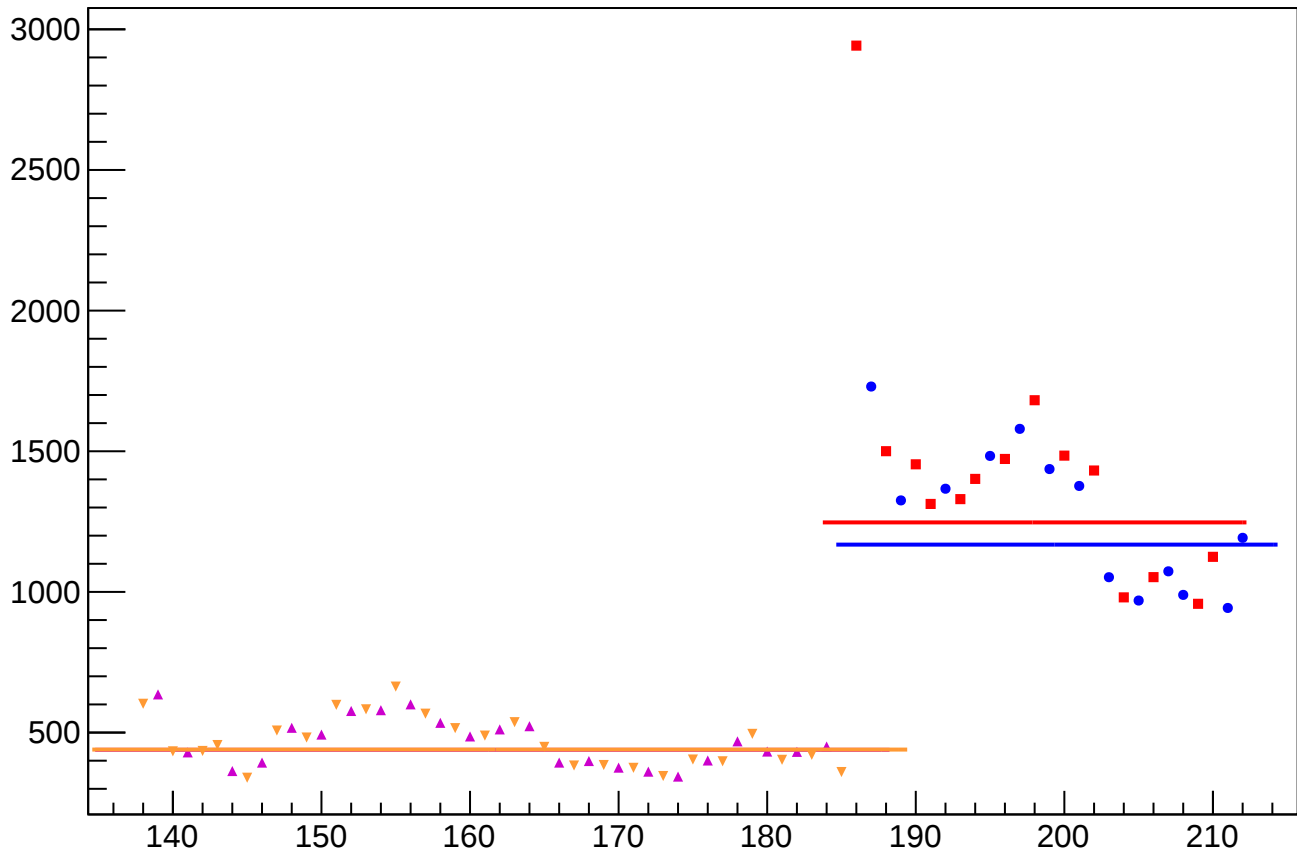
Left In: -64.594+/-106.708 χ^2/NDF : 25.2/22

+ sign -594.022+/-100.699 χ^2/NDF : 72.2/37

All: -373.183+/-72.130 χ^2/NDF : 129.6/74

- sign -140.485+/-103.367 χ^2/NDF : 47.5/36

asym_sam_15_48_dd_rms vs Slug



Right In: 1168.135 $\pm$ 0.277 χ^2/NDF : 577077.3/12

Left Out: 439.527 $\pm$ 0.074 χ^2/NDF : 1163352.8/24

Right Out: 1247.083 $\pm$ 0.294 χ^2/NDF : 859088.2/13

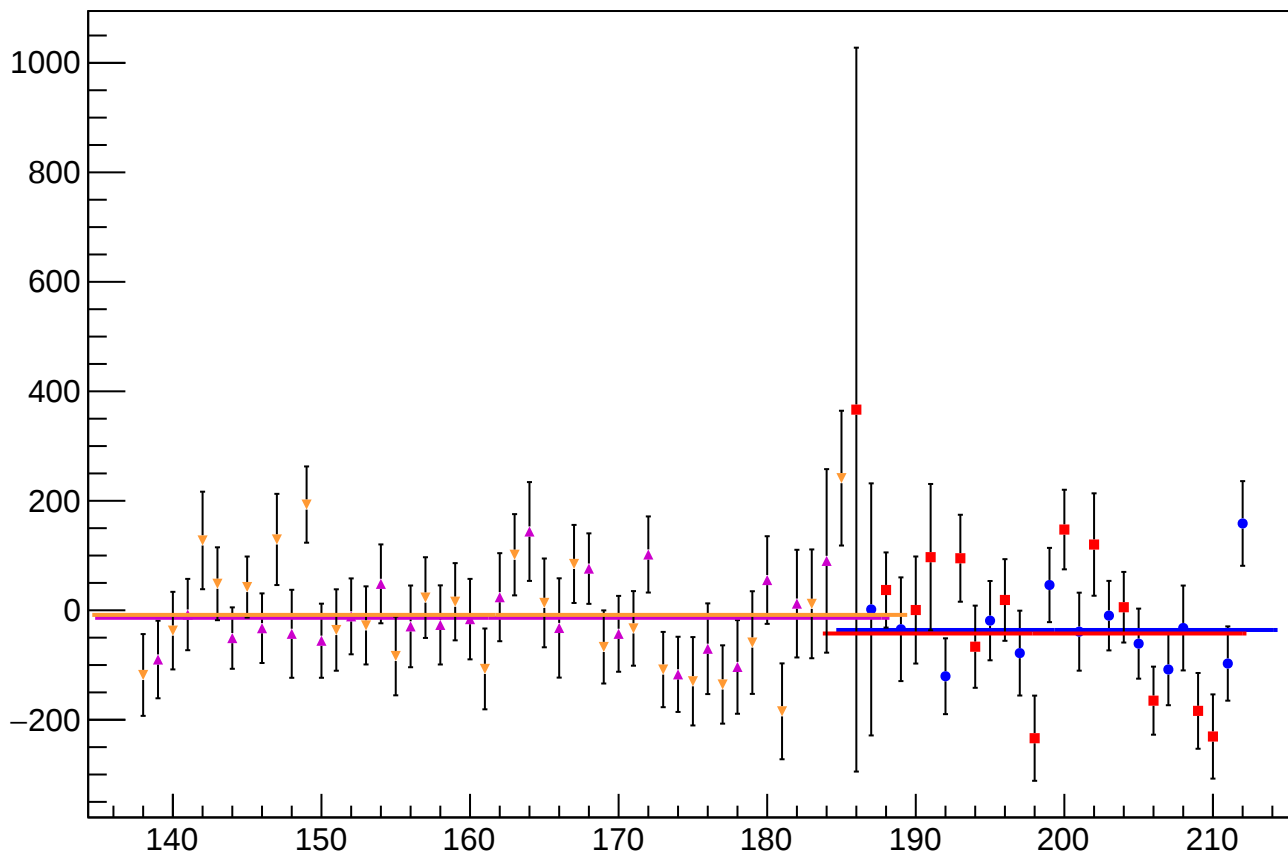
Left In: 438.548 $\pm$ 0.075 χ^2/NDF : 1013071.4/22

+ sign 487.758 $\pm$ 0.071 χ^2/NDF : 8212713.2/37

All: 488.057 $\pm$ 0.051 χ^2/NDF : 17160883.9/74

- sign 488.373 $\pm$ 0.073 χ^2/NDF : 8948134.4/36

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -35.977 ± 20.464 χ^2/NDF : 12.0/12

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: -42.406 ± 21.146 χ^2/NDF : 37.3/13

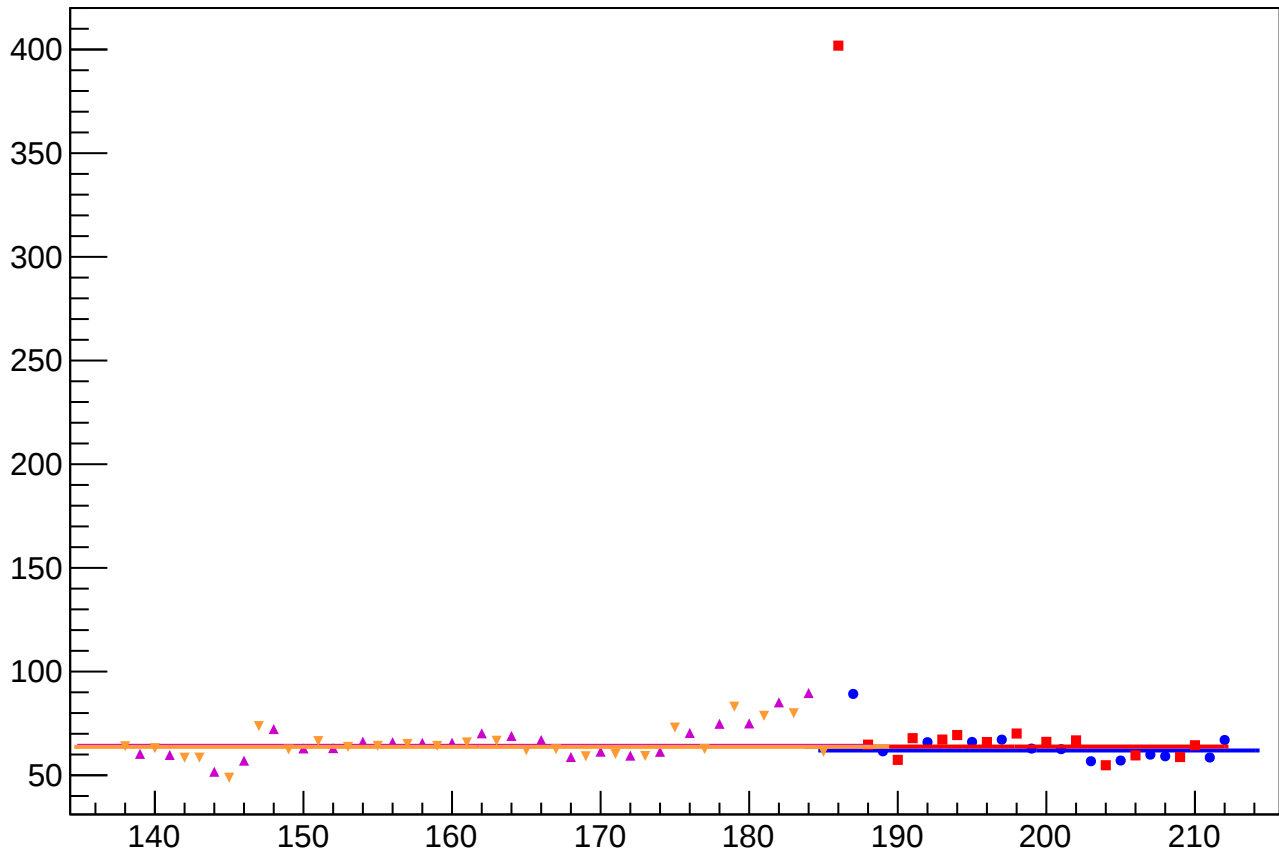
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -17.994 ± 12.064 χ^2/NDF : 54.8/37

All: -20.762 ± 8.677 χ^2/NDF : 109.6/74

- sign -23.730 ± 12.490 χ^2/NDF : 54.7/36

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.941 $\pm$ 0.014 χ^2 /NDF: 93568.4/12

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 63.848 $\pm$ 0.015 χ^2 /NDF: 626102.0/13

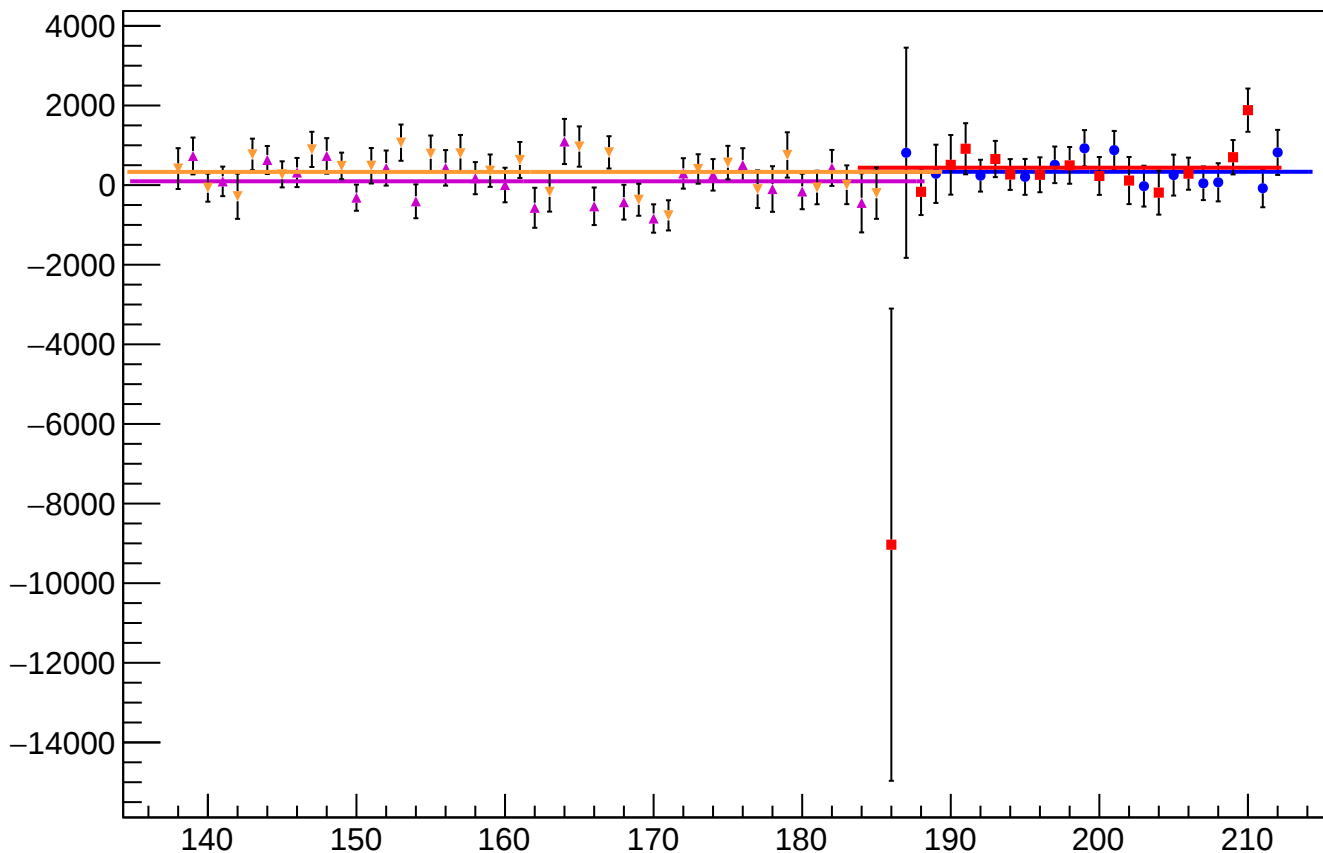
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.086 $\pm$ 0.009 χ^2 /NDF: 551606.1/37

All: 63.561 $\pm$ 0.006 χ^2 /NDF: 1614141.3/74

- sign 64.070 $\pm$ 0.009 χ^2 /NDF: 1056110.7/36

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 334.953 ± 138.557 χ^2/NDF : 6.1/12

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: 437.254 ± 136.043 χ^2/NDF : 14.1/13

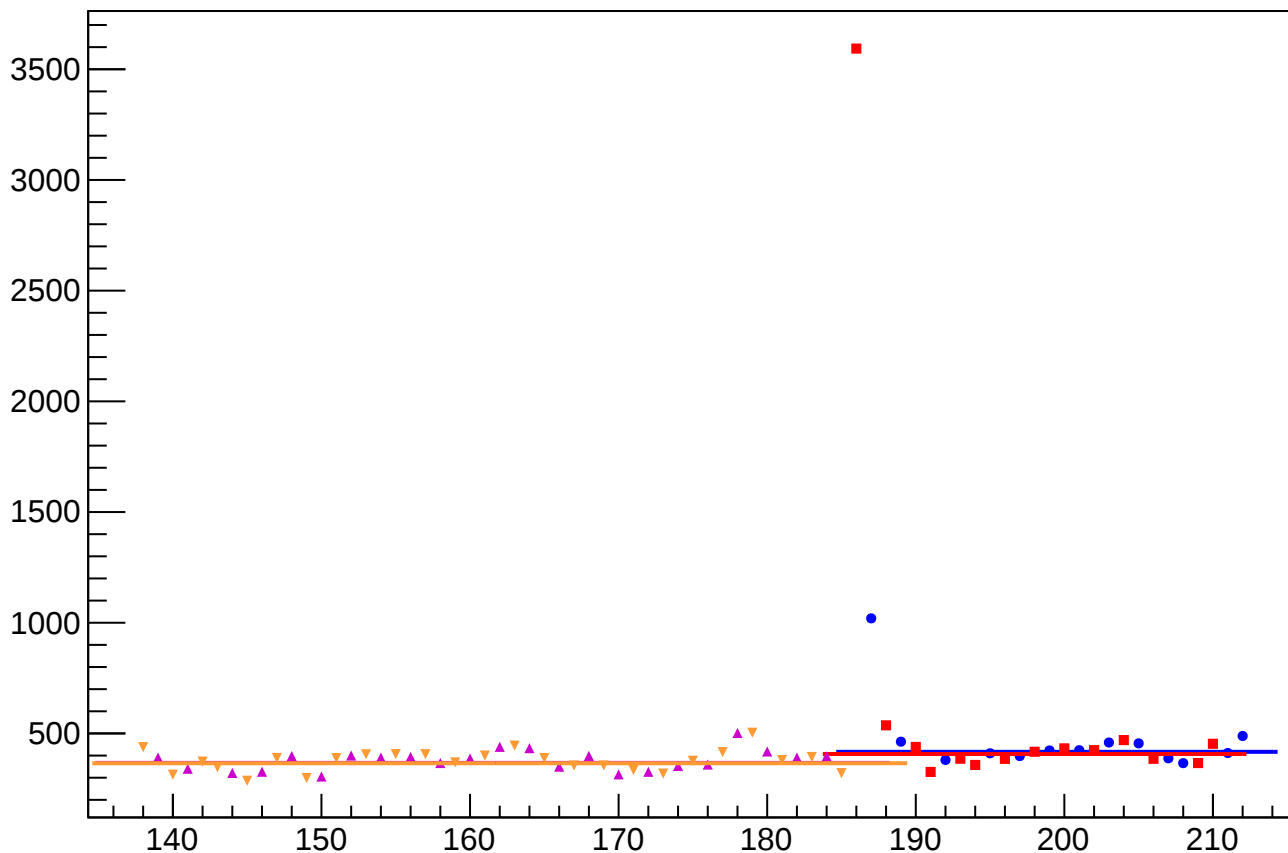
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 332.634 ± 73.113 χ^2/NDF : 35.9/37

All: 266.212 ± 52.105 χ^2/NDF : 84.9/74

- sign 197.660 ± 74.276 χ^2/NDF : 47.2/36

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 416.917 $\pm$ 0.098 χ^2 /NDF: 222927.5/12

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 407.177 $\pm$ 0.096 χ^2 /NDF: 825624.8/13

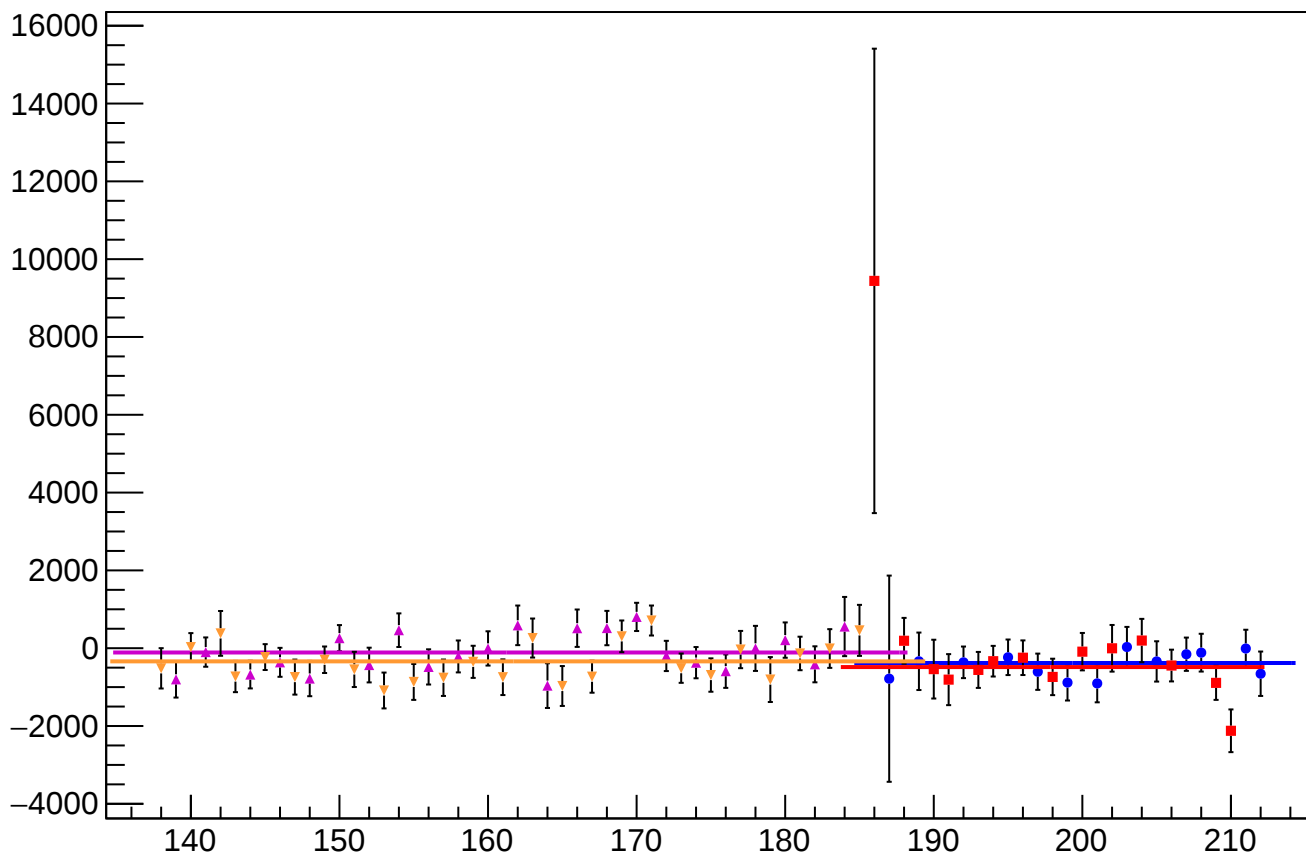
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 379.712 $\pm$ 0.052 χ^2 /NDF: 1041232.4/37

All: 379.324 $\pm$ 0.037 χ^2 /NDF: 2467949.7/74

- sign 378.923 $\pm$ 0.053 χ^2 /NDF: 1426602.7/36

asym_sam_37_48_dd_mean vs Slug



Right In: -380.072 ± 140.190 χ^2/NDF : 4.8/12

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -484.857 ± 137.871 χ^2/NDF : 17.7/13

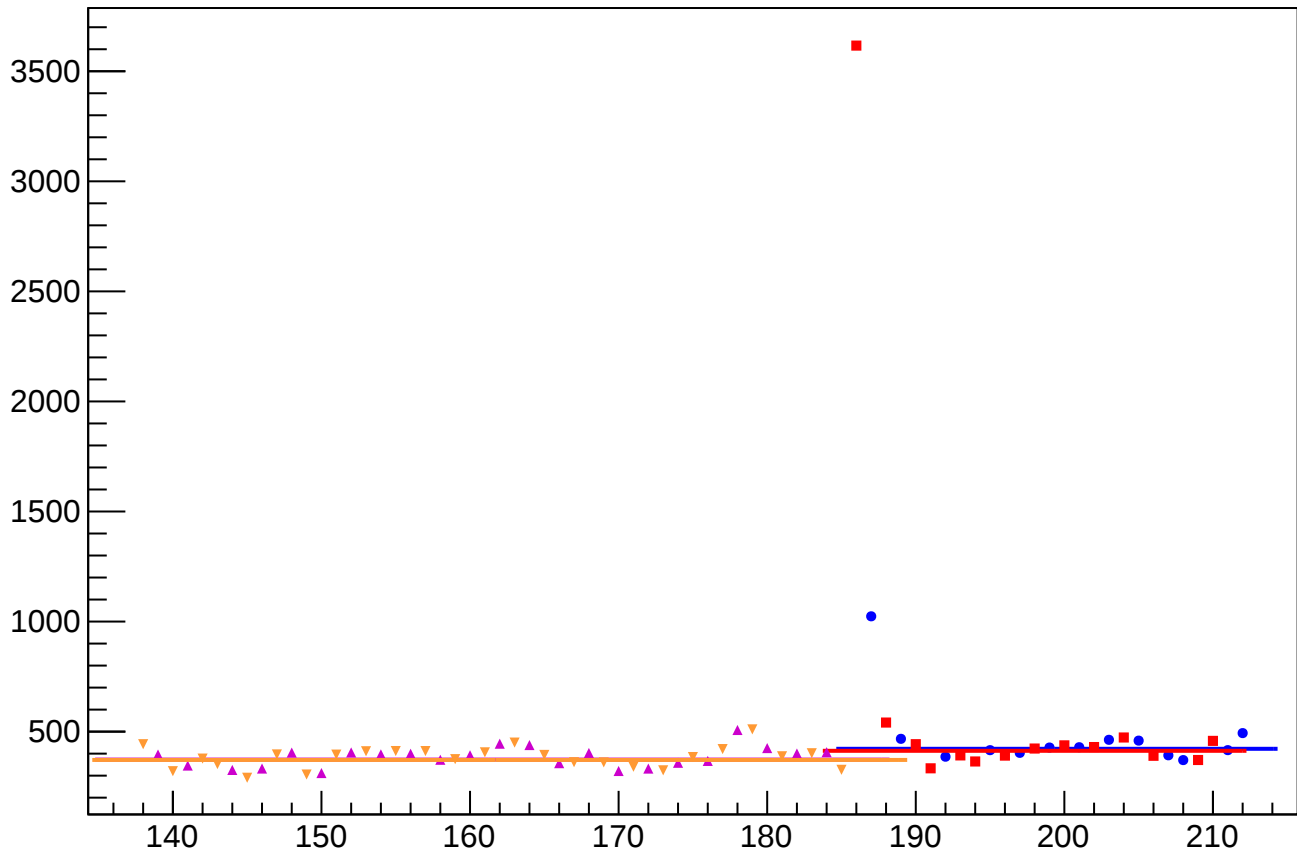
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -350.166 ± 74.198 χ^2/NDF : 33.0/37

All: -287.317 ± 52.890 χ^2/NDF : 86.6/74

- sign -222.392 ± 75.413 χ^2/NDF : 52.1/36

asym_sam_37_48_dd_rms vs Slug



Right In: 421.953+/-0.099 χ^2/NDF : 216625.1/12

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 412.849+/-0.097 χ^2/NDF : 812581.2/13

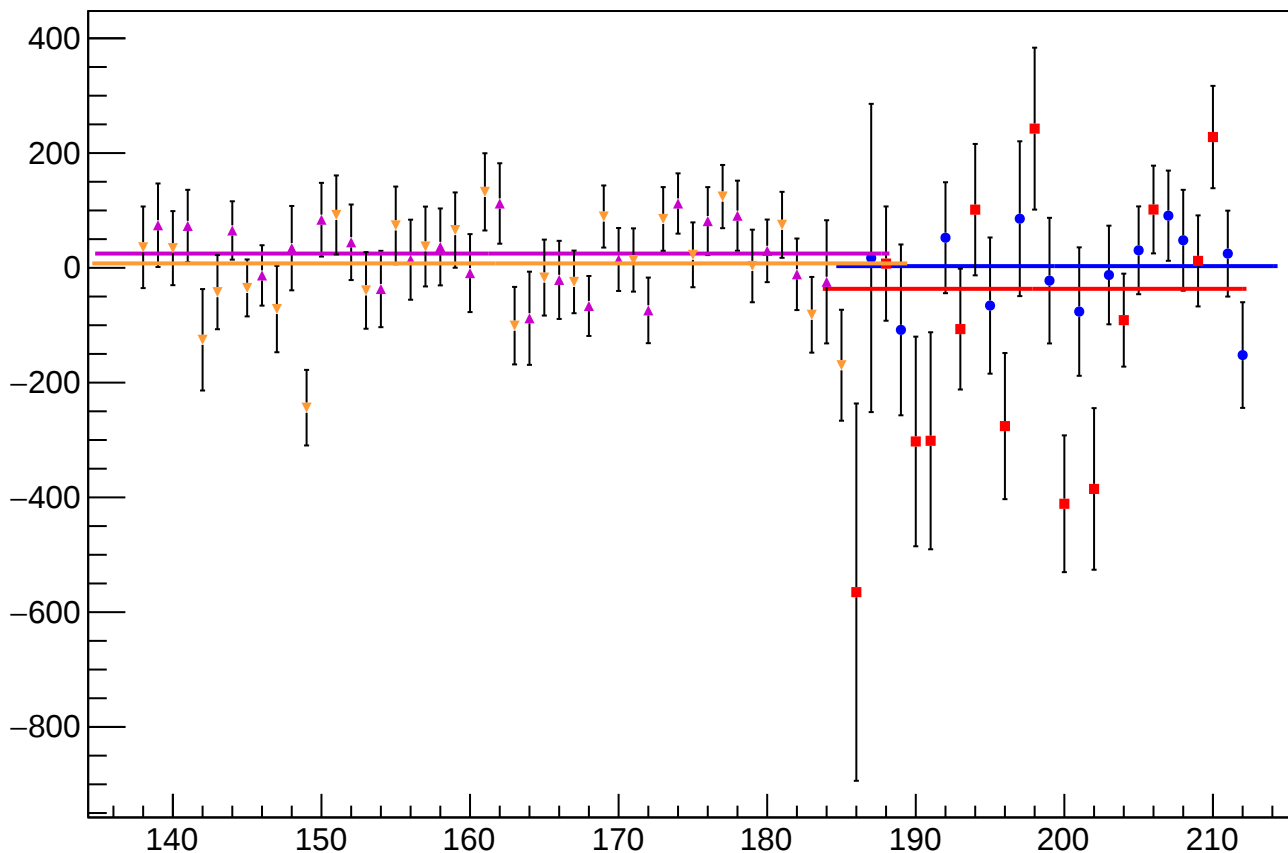
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 385.529+/-0.052 χ^2/NDF : 1008242.0/37

All: 385.209+/-0.037 χ^2/NDF : 2405697.8/74

- sign 384.879+/-0.053 χ^2/NDF : 1397380.2/36

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 2.996 ± 27.222 χ^2/NDF : 6.7/12

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -36.558 ± 29.167 χ^2/NDF : 45.1/13

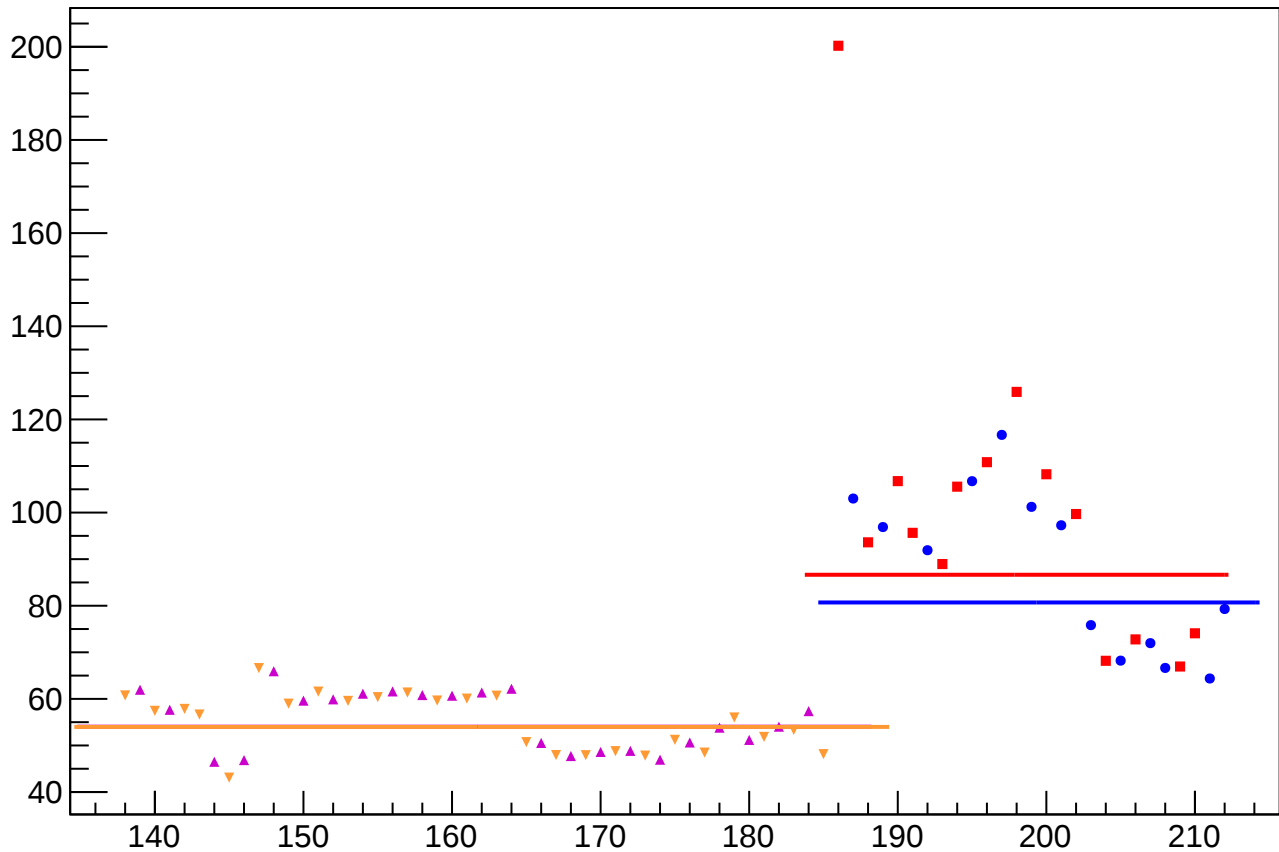
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 6.883 ± 11.476 χ^2/NDF : 52.1/37

All: 10.635 ± 8.259 χ^2/NDF : 120.9/74

- sign 14.666 ± 11.896 χ^2/NDF : 68.5/36

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 80.701 $\pm$ 0.019 χ^2 /NDF: 648403.9/12

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 86.648 $\pm$ 0.021 χ^2 /NDF: 975420.9/13

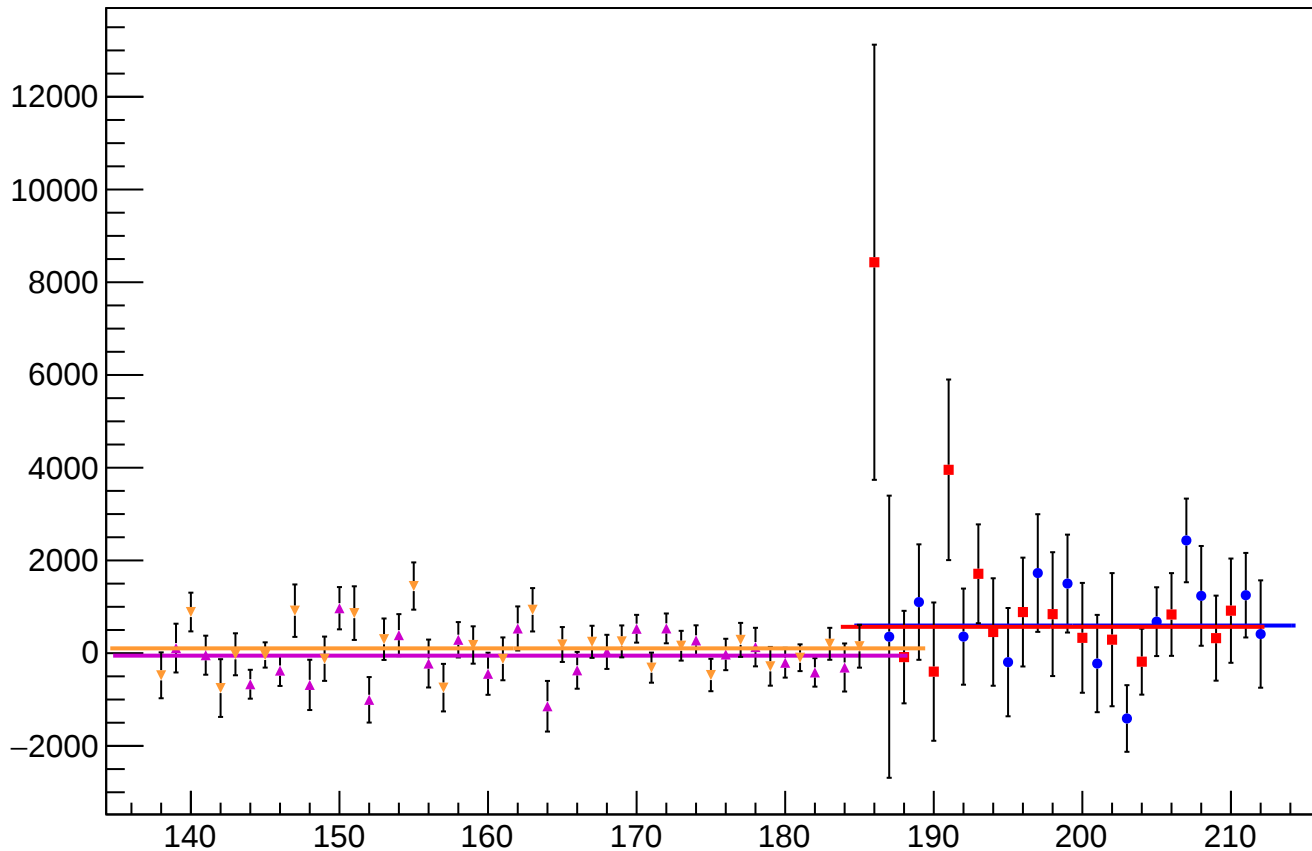
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 58.732 $\pm$ 0.008 χ^2 /NDF: 2691479.9/37

All: 59.080 $\pm$ 0.006 χ^2 /NDF: 6200077.6/74

- sign 59.454 $\pm$ 0.008 χ^2 /NDF: 3504781.7/36

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 595.886+/-281.308 χ^2/NDF : 15.6/12

Left Out: 103.768+/-79.344 χ^2/NDF : 31.0/24

Right Out: 567.981+/-300.350 χ^2/NDF : 9.4/13

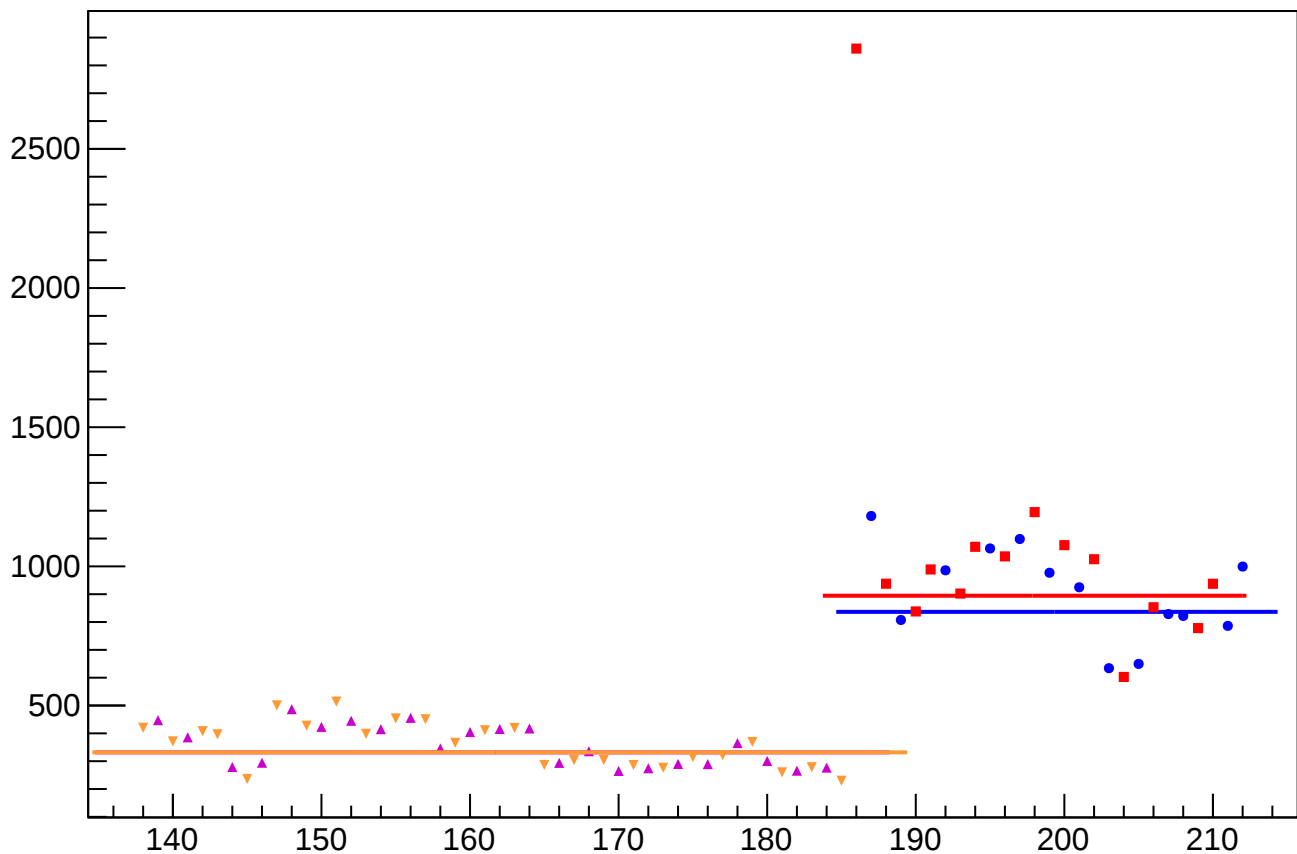
Left In: -53.493+/-81.201 χ^2/NDF : 34.1/22

+ sign 140.033+/-76.365 χ^2/NDF : 49.5/37

All: 66.411+/-54.699 χ^2/NDF : 98.9/74

- sign -11.162+/-78.387 χ^2/NDF : 47.5/36

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 836.556+/-0.199 χ^2/NDF : 610740.6/12

Left Out: 331.770+/-0.056 χ^2/NDF : 1711721.9/24

Right Out: 894.584+/-0.212 χ^2/NDF : 978425.2/13

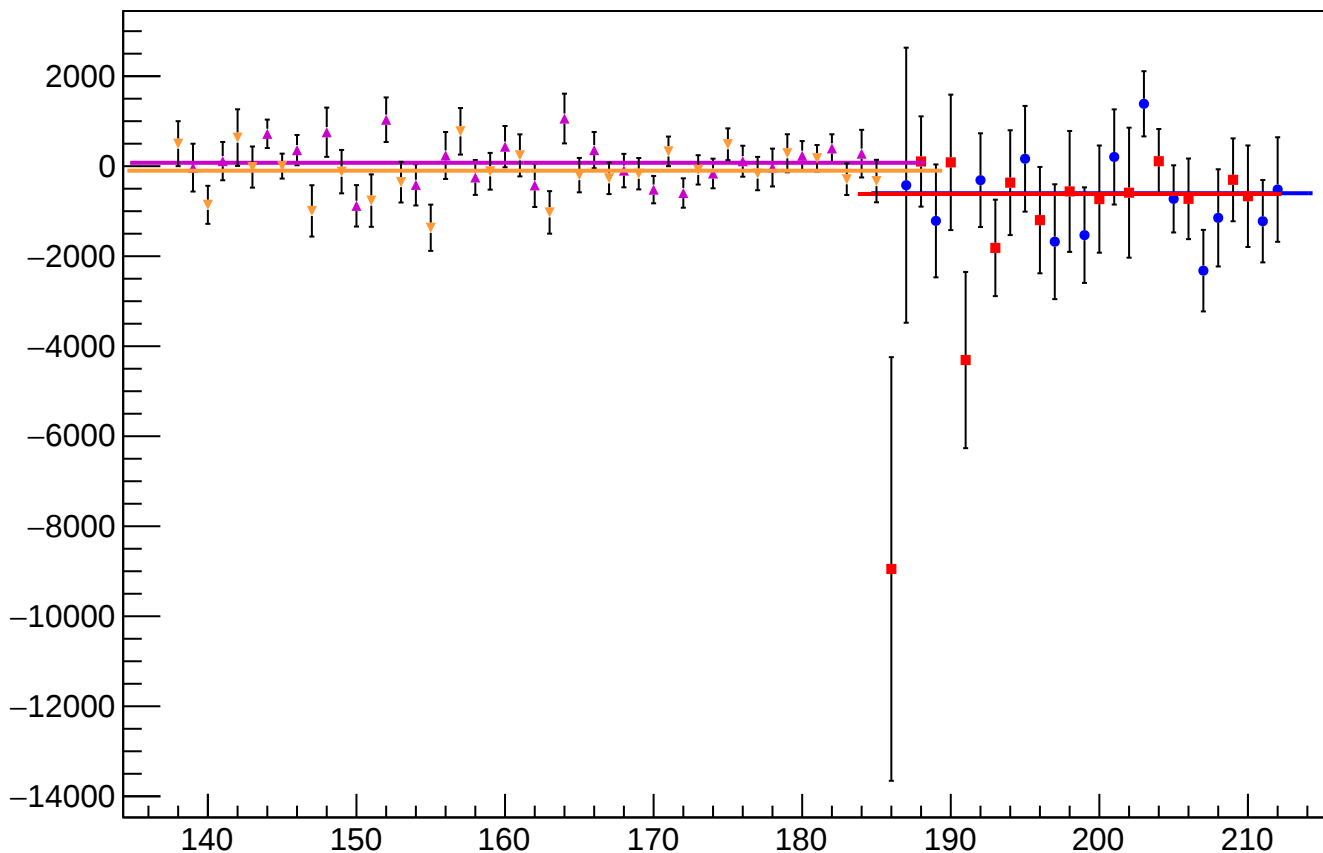
Left In: 331.666+/-0.057 χ^2/NDF : 1303192.2/22

+ sign 368.969+/-0.054 χ^2/NDF : 8287822.3/37

All: 369.475+/-0.039 χ^2/NDF : 17116390.3/74

- sign 370.008+/-0.055 χ^2/NDF : 8828387.8/36

asym_sam_15_26_dd_mean vs Slug



Right In: -600.717 ± 282.847 χ^2/NDF : 14.7/12

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -617.579 ± 301.960 χ^2/NDF : 10.1/13

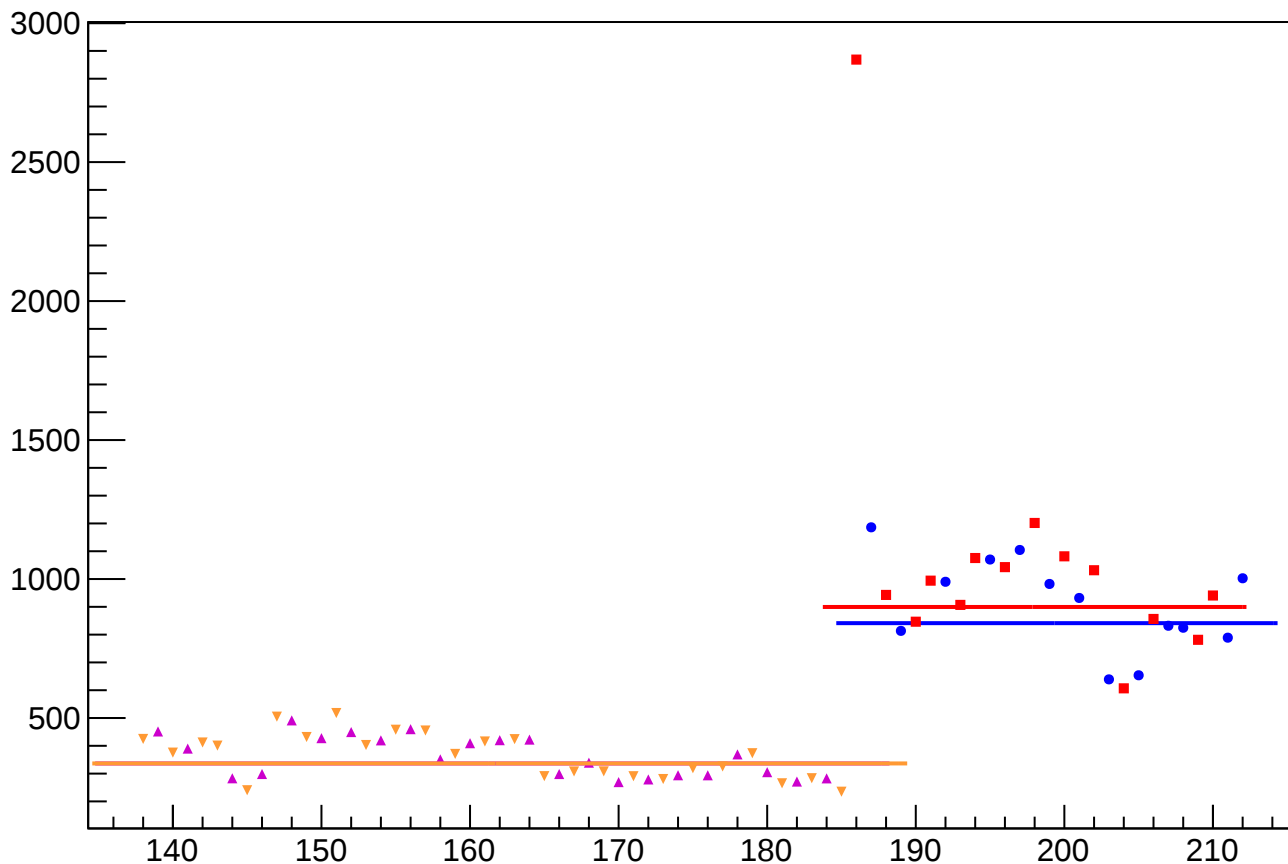
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -137.258 ± 77.361 χ^2/NDF : 48.3/37

All: -56.980 ± 55.416 χ^2/NDF : 97.6/74

- sign 27.628 ± 79.420 χ^2/NDF : 47.1/36

asym_sam_15_26_dd_rms vs Slug



Right In: 841.268 $\pm$ 0.200 χ^2 /NDF: 606531.7/12

Left Out: 336.557 $\pm$ 0.057 χ^2 /NDF: 1665919.4/24

Right Out: 899.493 $\pm$ 0.214 χ^2 /NDF: 975640.1/13

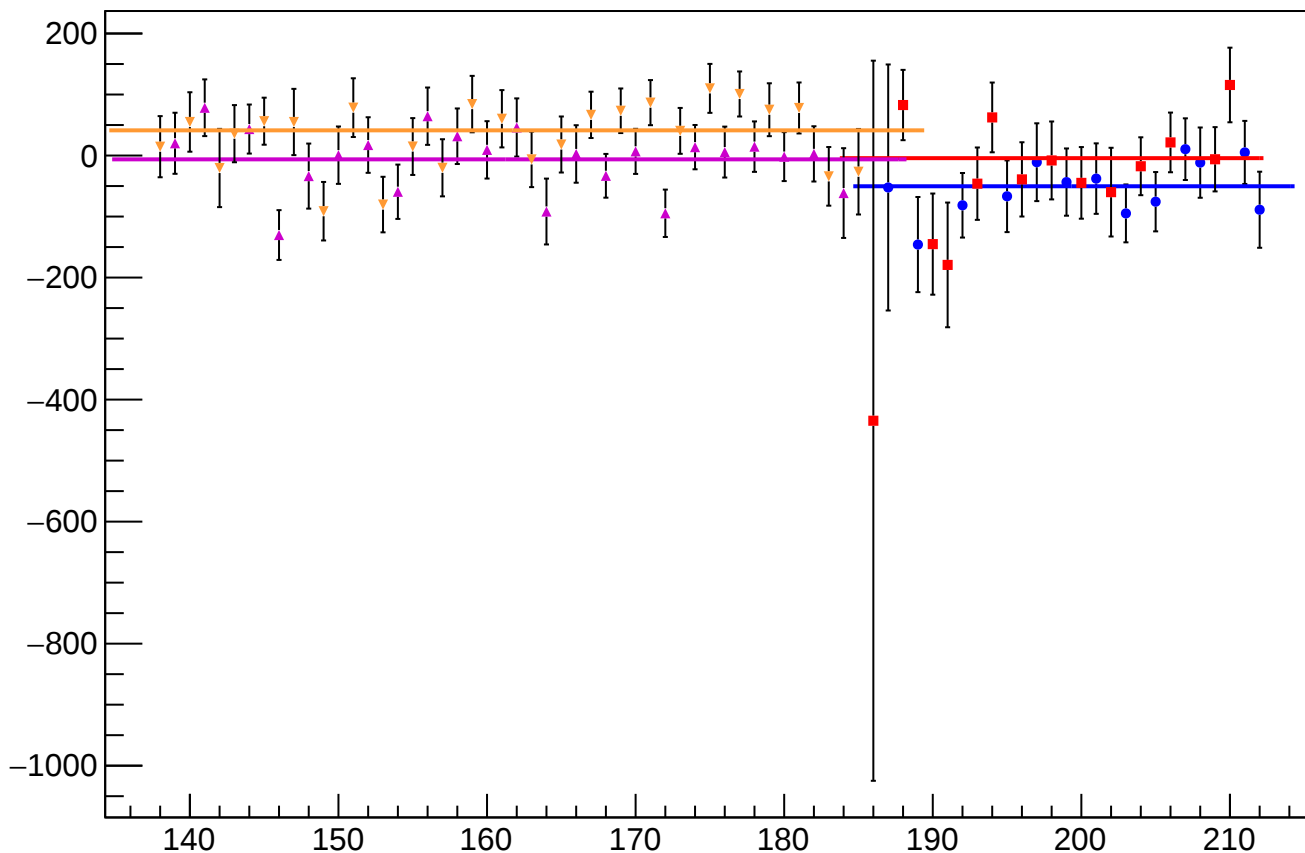
Left In: 336.439 $\pm$ 0.058 χ^2 /NDF: 1269066.3/22

+ sign 374.313 $\pm$ 0.055 χ^2 /NDF: 8164203.6/37

All: 374.838 $\pm$ 0.039 χ^2 /NDF: 16881990.9/74

- sign 375.390 $\pm$ 0.056 χ^2 /NDF: 8717598.7/36

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -50.364 ± 16.006 χ^2/NDF : 7.0/12

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -4.299 ± 16.620 χ^2/NDF : 16.1/13

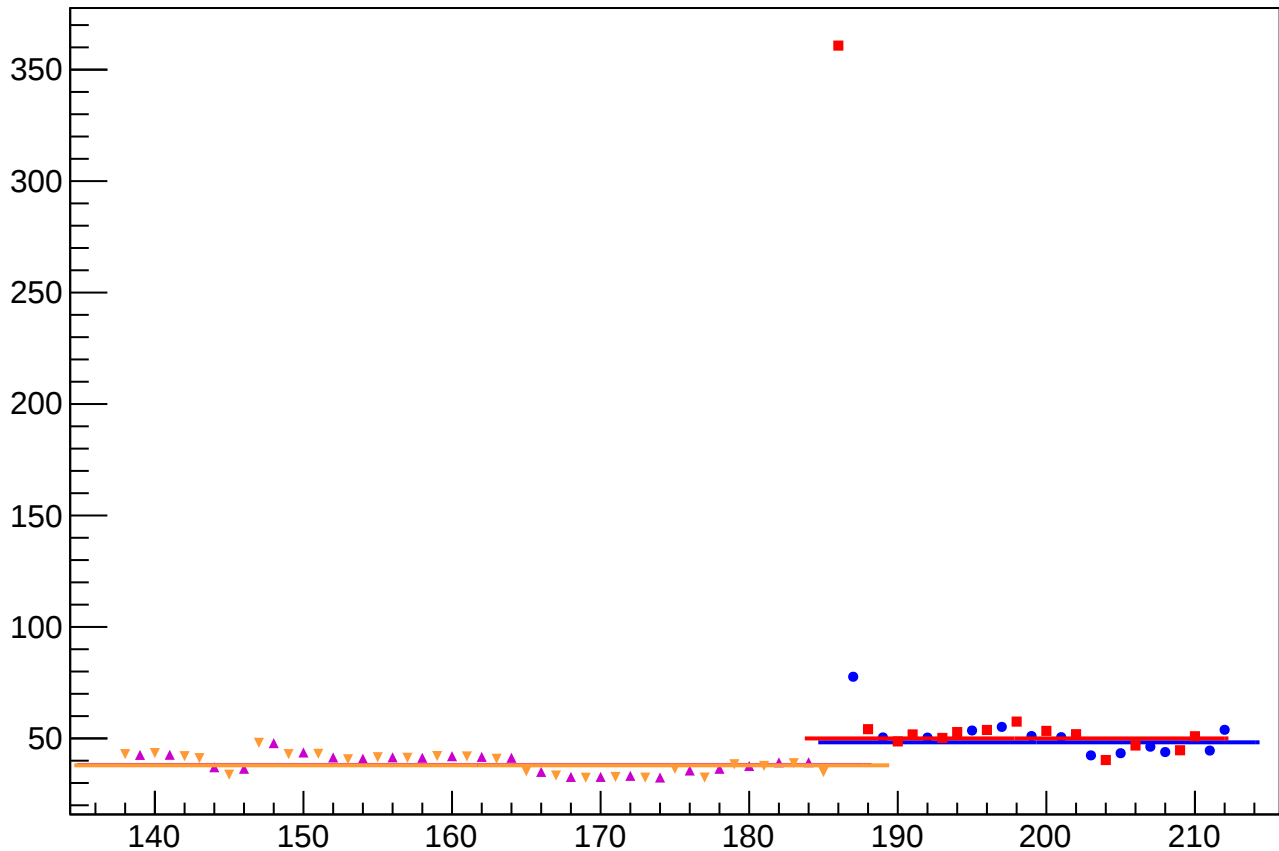
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 19.680 ± 7.771 χ^2/NDF : 66.4/37

All: 7.362 ± 5.585 χ^2/NDF : 118.0/74

- sign -5.797 ± 8.032 χ^2/NDF : 46.4/36

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 48.242 $\pm$ 0.011 χ^2 /NDF: 187353.2/12

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 49.987 $\pm$ 0.012 χ^2 /NDF: 727816.9/13

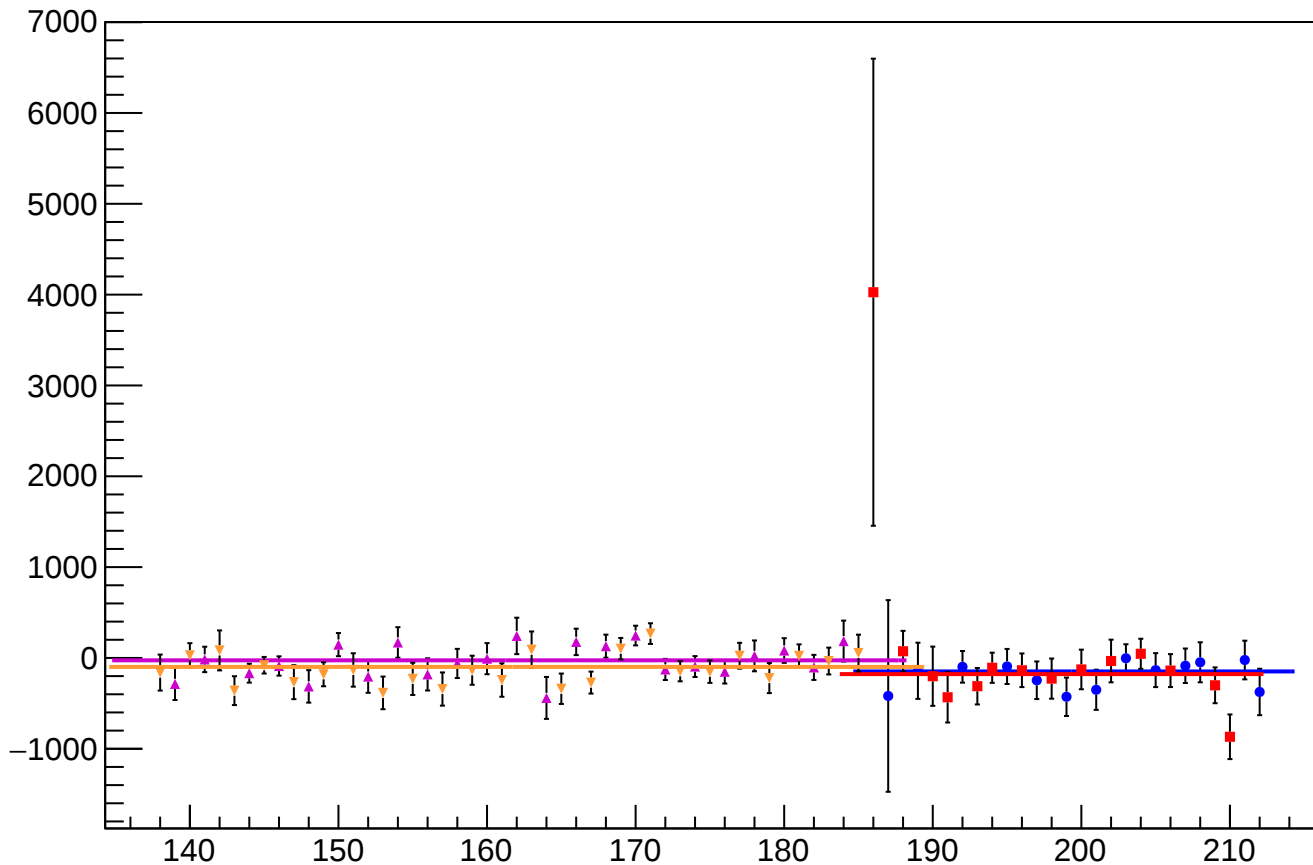
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 40.357 $\pm$ 0.005 χ^2 /NDF: 1309434.9/37

All: 40.603 $\pm$ 0.004 χ^2 /NDF: 3223544.5/74

- sign 40.867 $\pm$ 0.006 χ^2 /NDF: 1909950.3/36

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -148.636 ± 58.363 χ^2/NDF : 5.4/12

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -177.981 ± 57.612 χ^2/NDF : 16.1/13

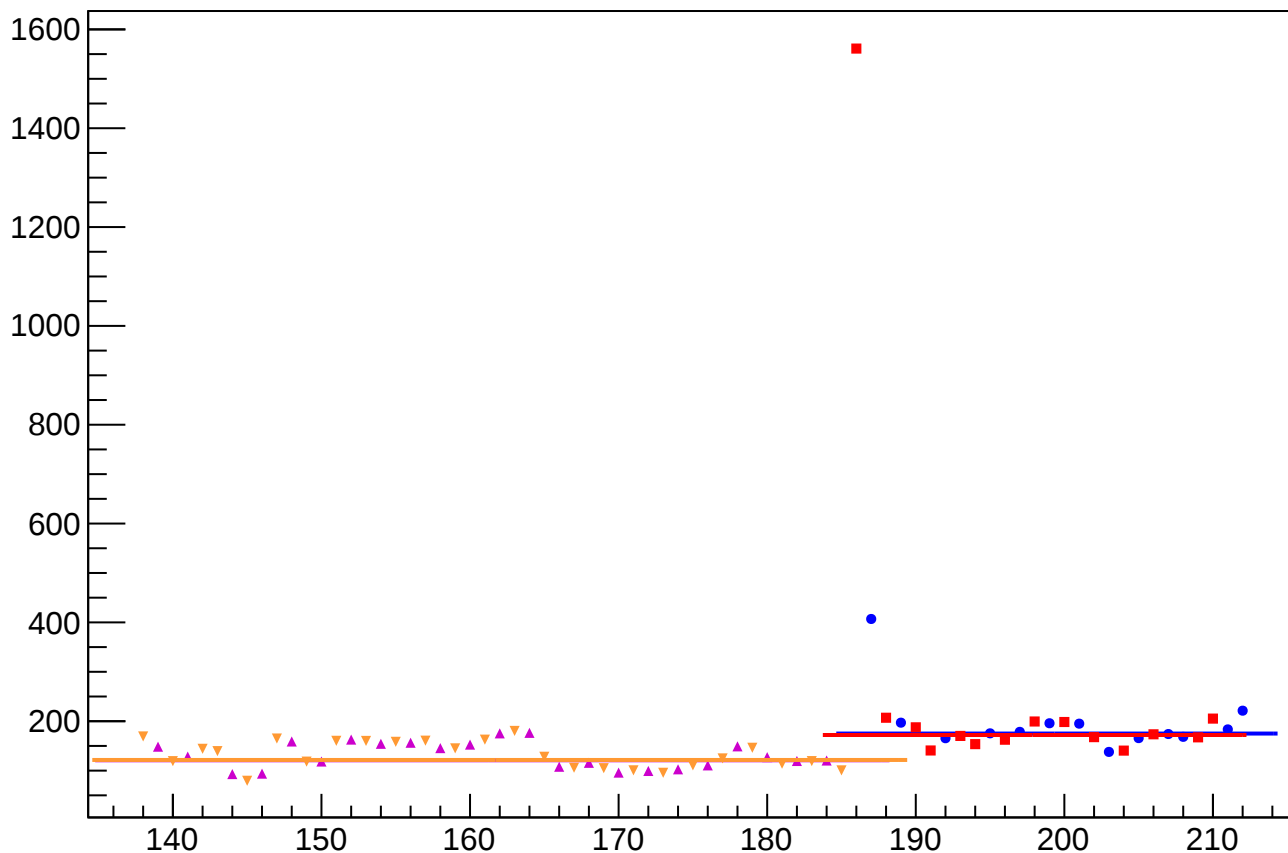
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -108.673 ± 26.039 χ^2/NDF : 38.7/37

All: -83.689 ± 18.532 χ^2/NDF : 92.8/74

- sign -58.044 ± 26.381 χ^2/NDF : 52.2/36

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 175.044 $\pm$ 0.041 χ^2/NDF : 340332.2/12

Left Out: 121.592 $\pm$ 0.021 χ^2/NDF : 1711423.9/24

Right Out: 172.110 $\pm$ 0.041 χ^2/NDF : 863240.8/13

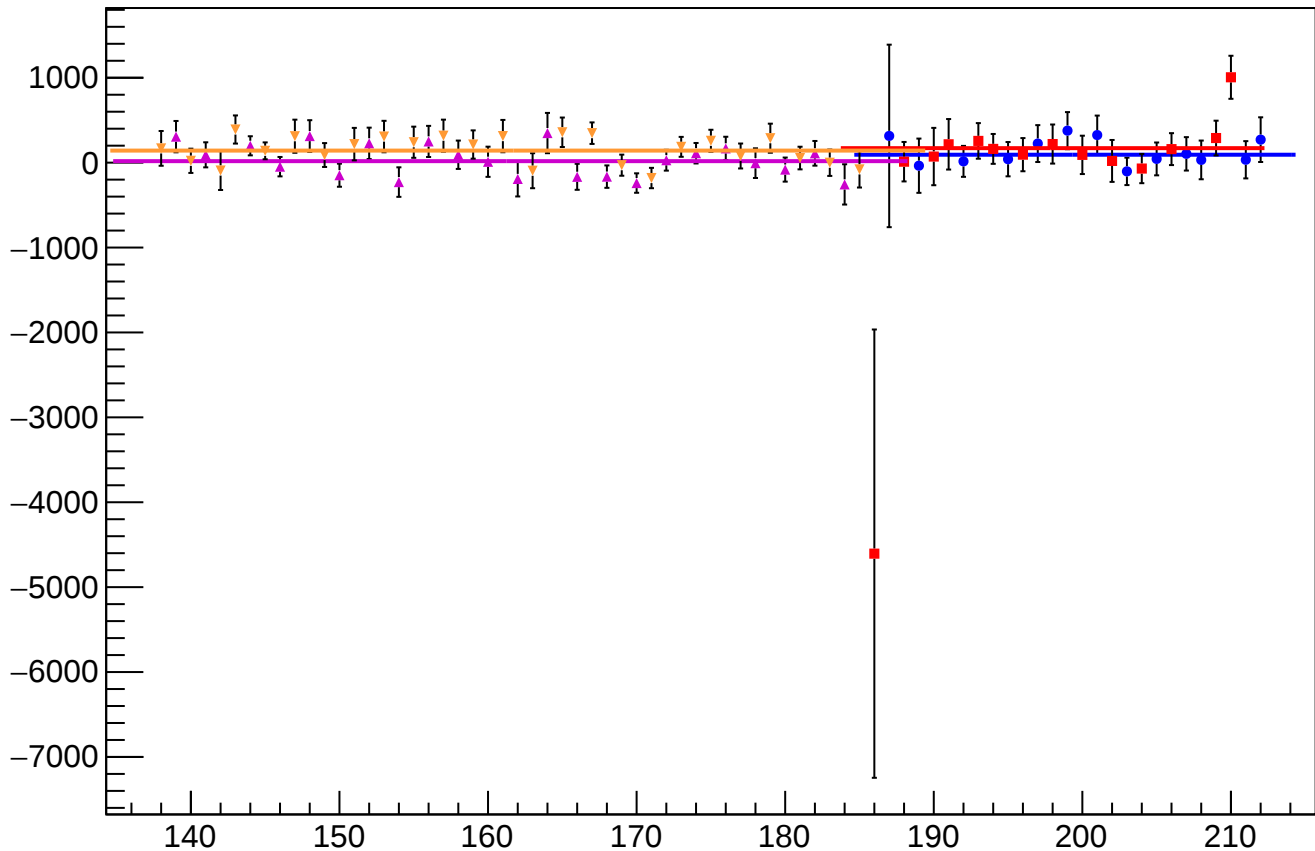
Left In: 120.927 $\pm$ 0.021 χ^2/NDF : 1382861.4/22

+ sign 132.232 $\pm$ 0.018 χ^2/NDF : 3395411.4/37

All: 131.949 $\pm$ 0.013 χ^2/NDF : 6889516.8/74

- sign 131.659 $\pm$ 0.019 χ^2/NDF : 3493628.0/36

asym_sam_37_26_dd_mean vs Slug



Right In: 93.344 ± 60.667 $\chi^2/\text{NDF}: 5.7/12$

Left Out: 142.014 ± 30.574 $\chi^2/\text{NDF}: 26.9/24$

Right Out: 170.700 ± 60.157 $\chi^2/\text{NDF}: 17.8/13$

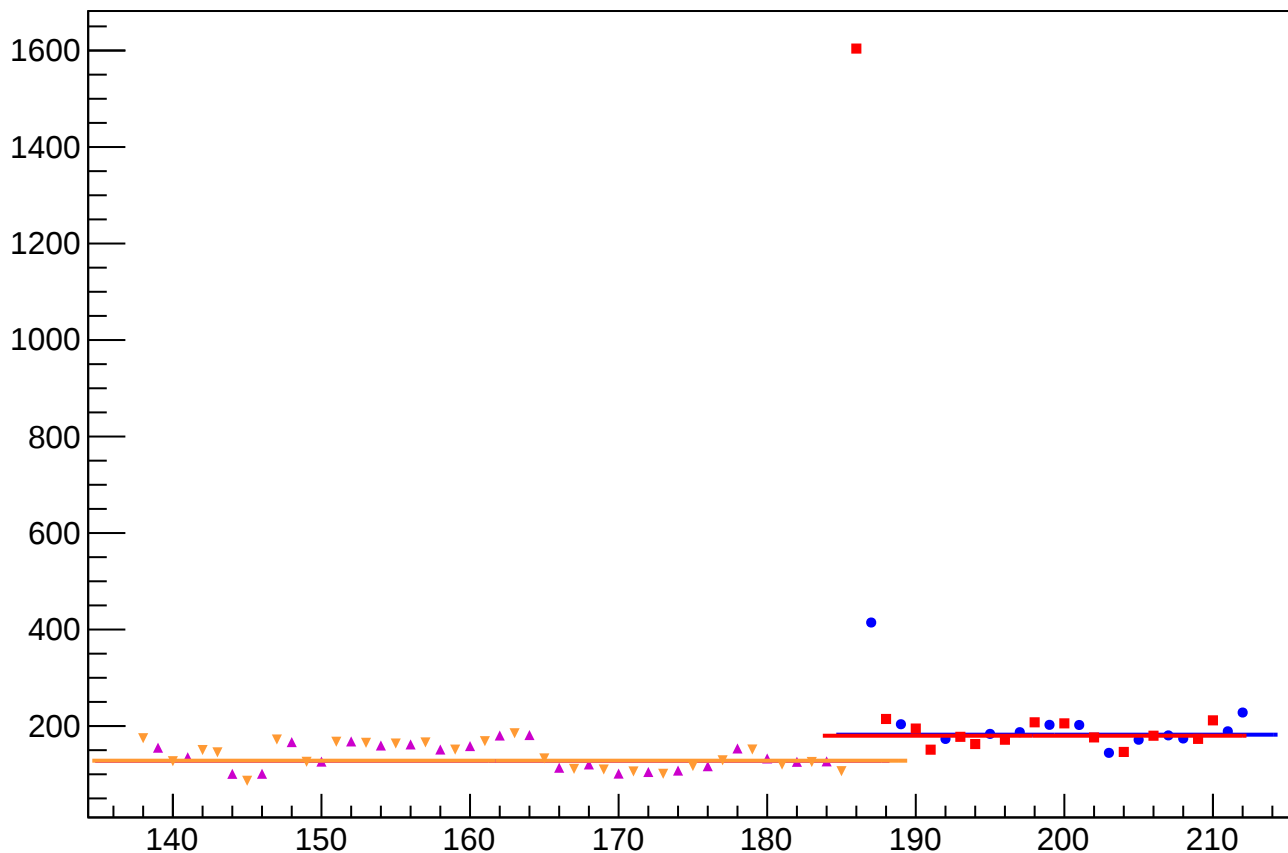
Left In: 17.679 ± 31.209 $\chi^2/\text{NDF}: 30.1/22$

+ sign 132.157 ± 27.303 $\chi^2/\text{NDF}: 33.1/37$

All: 91.739 ± 19.446 $\chi^2/\text{NDF}: 90.6/74$

- sign 50.130 ± 27.703 $\chi^2/\text{NDF}: 53.1/36$

asym_sam_37_26_dd_rms vs Slug



Right In: 182.102+/-0.043 χ^2/NDF : 321669.5/12

Left Out: 128.175+/-0.022 χ^2/NDF : 1532922.0/24

Right Out: 179.940+/-0.043 χ^2/NDF : 837263.3/13

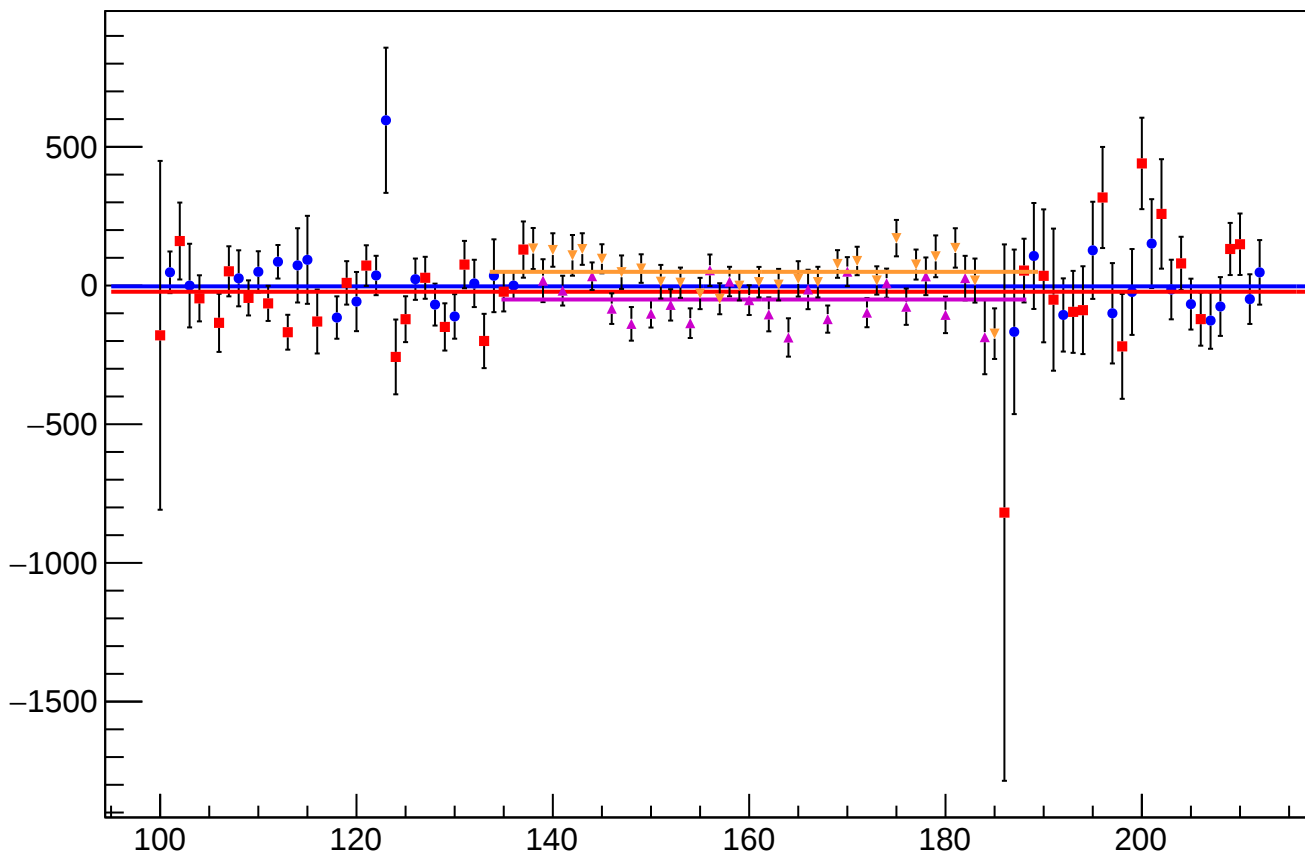
Left In: 127.544+/-0.022 χ^2/NDF : 1235705.3/22

+ sign 139.098+/-0.019 χ^2/NDF : 3114814.5/37

All: 138.880+/-0.014 χ^2/NDF : 6383547.7/74

- sign 138.655+/-0.020 χ^2/NDF : 3268474.4/36

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.960 ± 17.451 χ^2/NDF : 20.6/29

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -22.352 ± 17.229 χ^2/NDF : 49.7/32

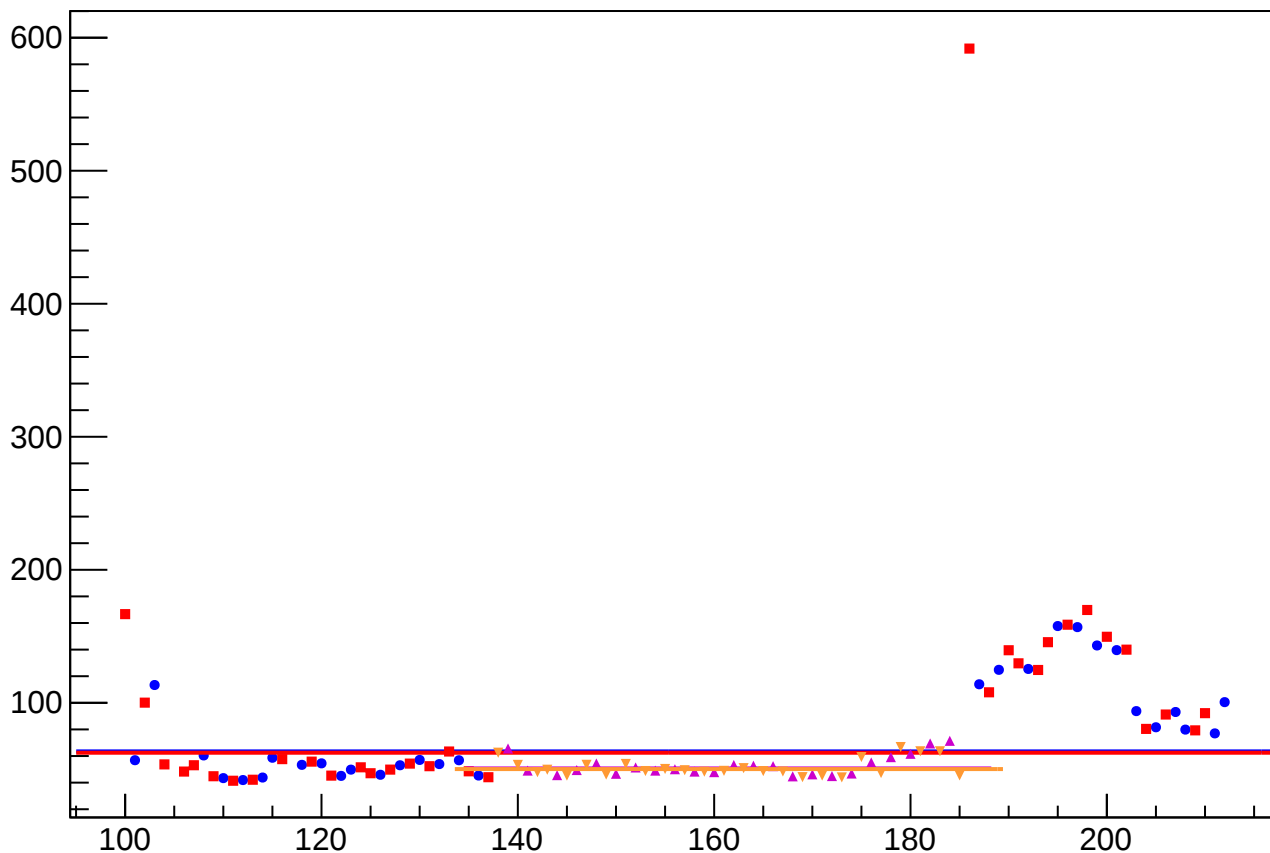
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 32.961 ± 9.778 χ^2/NDF : 54.8/54

All: -3.210 ± 6.986 χ^2/NDF : 166.4/110

- sign -40.933 ± 9.986 χ^2/NDF : 83.6/55

reg_asym_sam_1357_avg_rms vs Slug



Right In: 63.490+/-0.012 χ^2/NDF : 4831100.2/29

Left Out: 50.189+/-0.008 χ^2/NDF : 467679.2/24

Right Out: 62.483+/-0.012 χ^2/NDF : 6015257.0/32

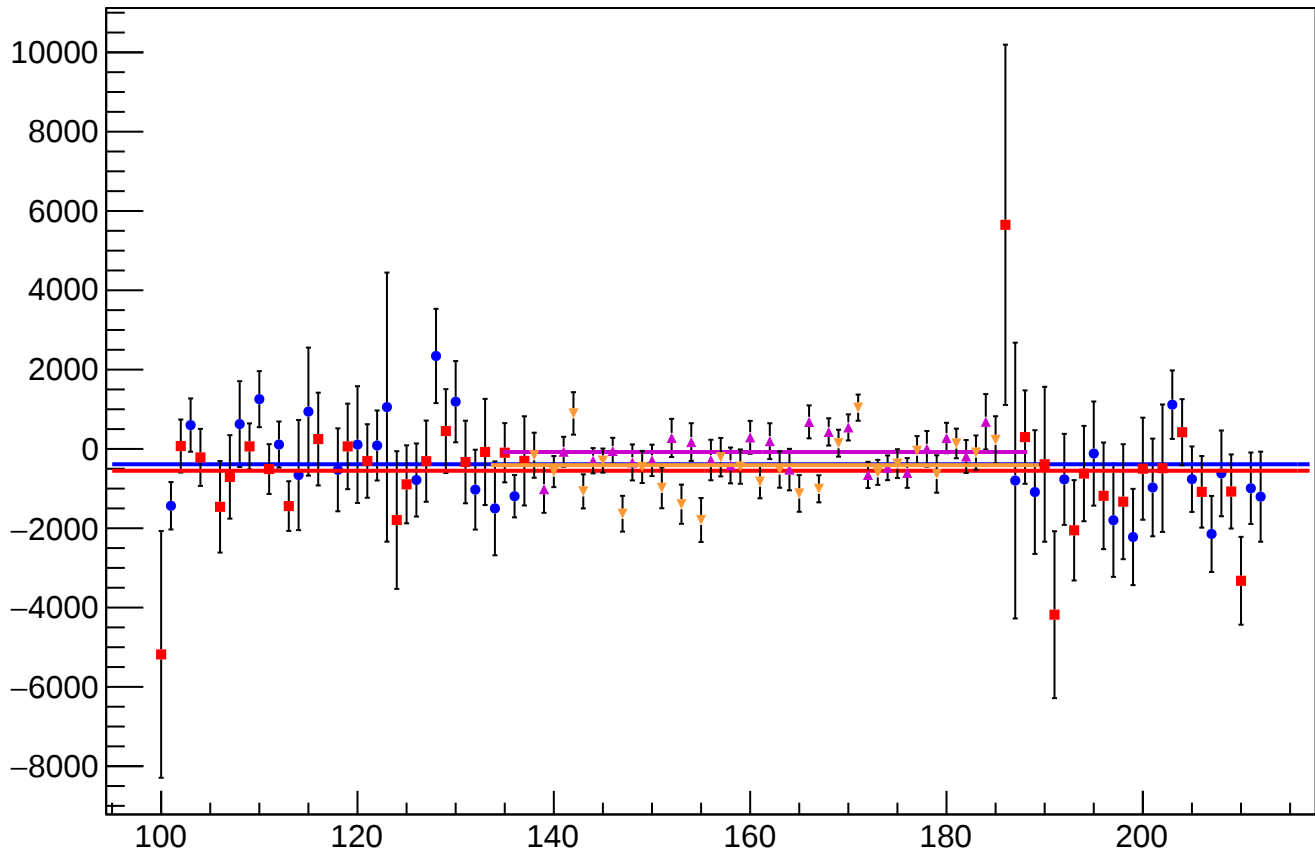
Left In: 50.683+/-0.009 χ^2/NDF : 469292.3/22

+ sign 54.365+/-0.007 χ^2/NDF : 6095806.1/54

All: 54.503+/-0.005 χ^2/NDF : 13204204.1/110

- sign 54.647+/-0.007 χ^2/NDF : 7107586.9/55

asym_sam_1357_avg_correction_mean vs Slug



Right In: -386.528 ± 174.216 χ^2/NDF : 36.4/29

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -549.969 ± 173.446 χ^2/NDF : 25.7/32

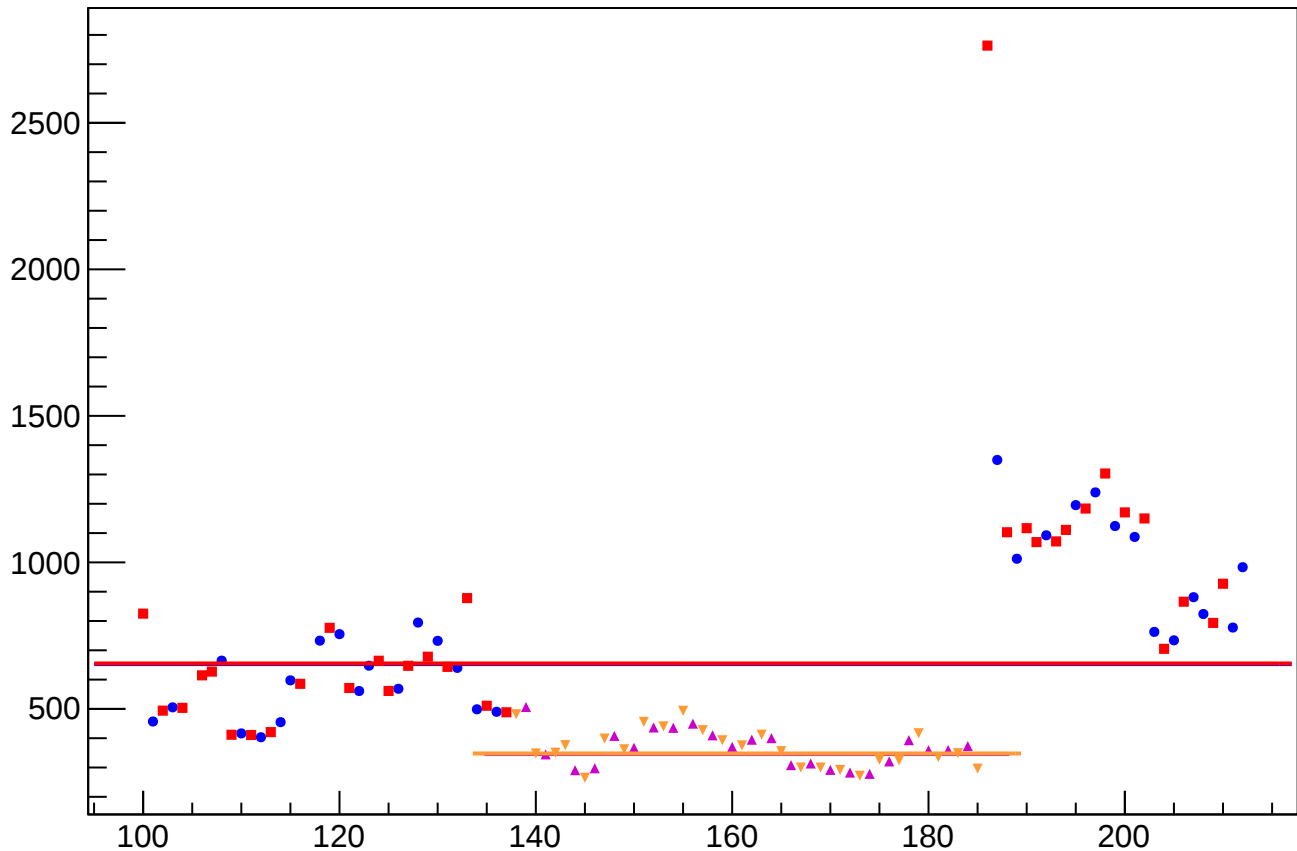
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -405.030 ± 74.450 χ^2/NDF : 98.1/54

All: -288.262 ± 53.065 χ^2/NDF : 159.7/110

- sign -167.689 ± 75.653 χ^2/NDF : 56.6/55

asym_sam_1357_avg_correction_rms vs Slug



Right In: 652.917+/-0.123 χ^2/NDF : 3398609.6/29

Left Out: 347.875+/-0.058 χ^2/NDF : 1044096.7/24

Right Out: 655.040+/-0.123 χ^2/NDF : 4304558.2/32

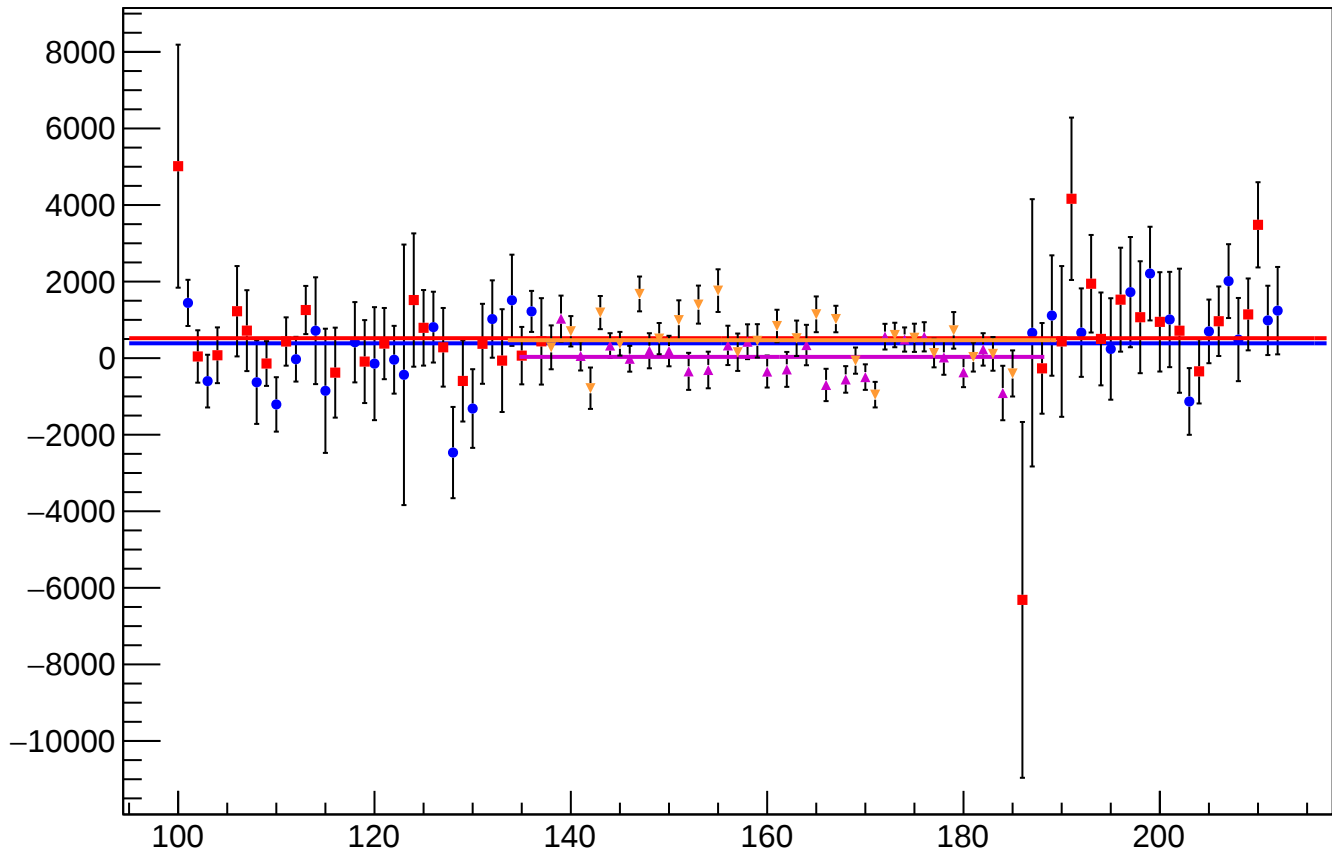
Left In: 345.954+/-0.059 χ^2/NDF : 900847.0/22

+ sign 403.583+/-0.053 χ^2/NDF : 9454504.0/54

All: 404.161+/-0.038 χ^2/NDF : 19803110.7/110

- sign 404.758+/-0.053 χ^2/NDF : 10348361.3/55

asym_sam_1357_avg_mean vs Slug



Right In: 387.551 ± 175.435 χ^2/NDF : 35.6/29

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 521.128 ± 174.755 χ^2/NDF : 25.4/32

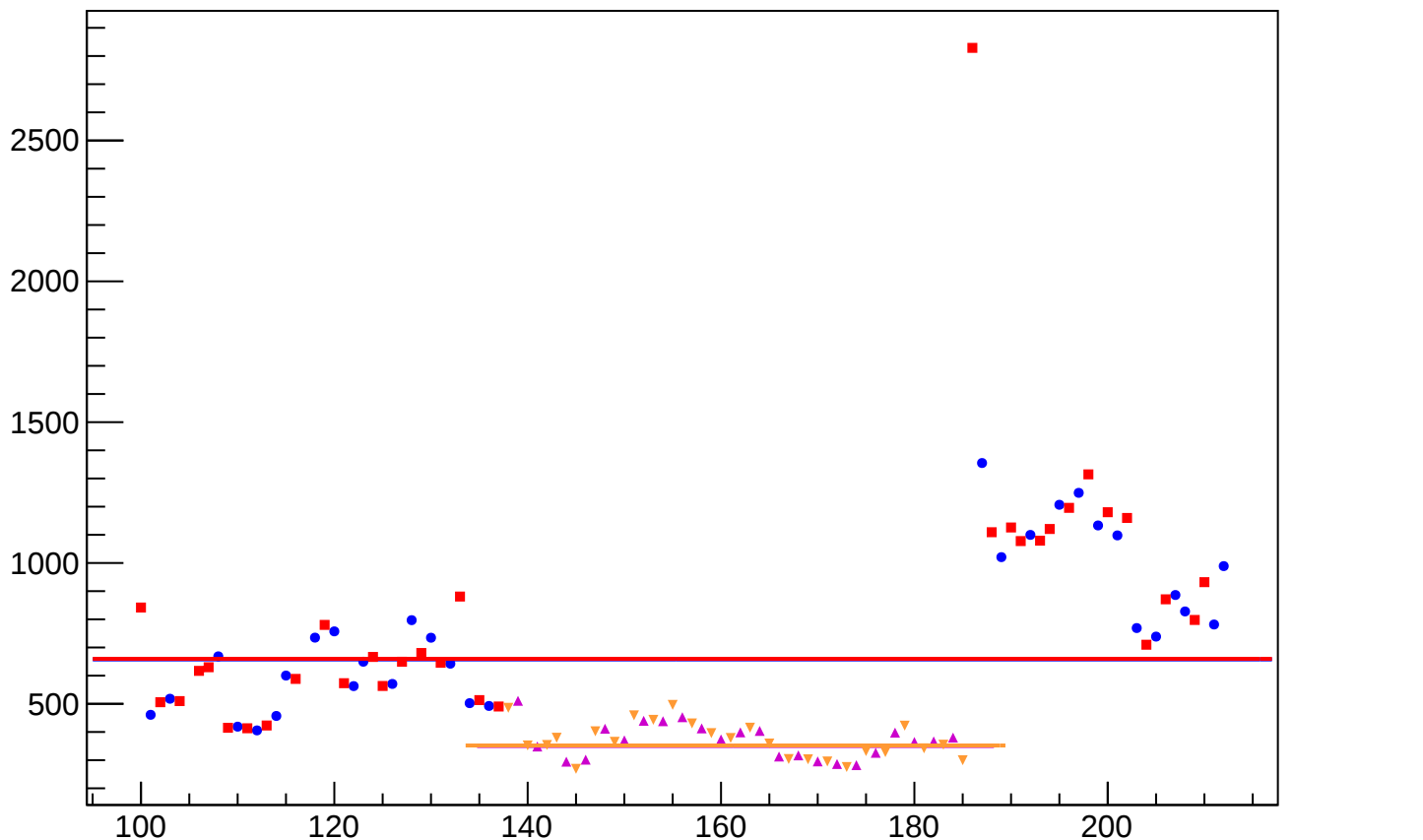
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 453.905 ± 75.245 χ^2/NDF : 93.3/54

All: 292.797 ± 53.639 χ^2/NDF : 160.1/110

- sign 126.340 ± 76.484 χ^2/NDF : 57.4/55

asym_sam_1357_avg_rms vs Slug



Right In: 657.574+/-0.124 χ^2/NDF : 3391664.0/29

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 659.771+/-0.124 χ^2/NDF : 4303821.3/32

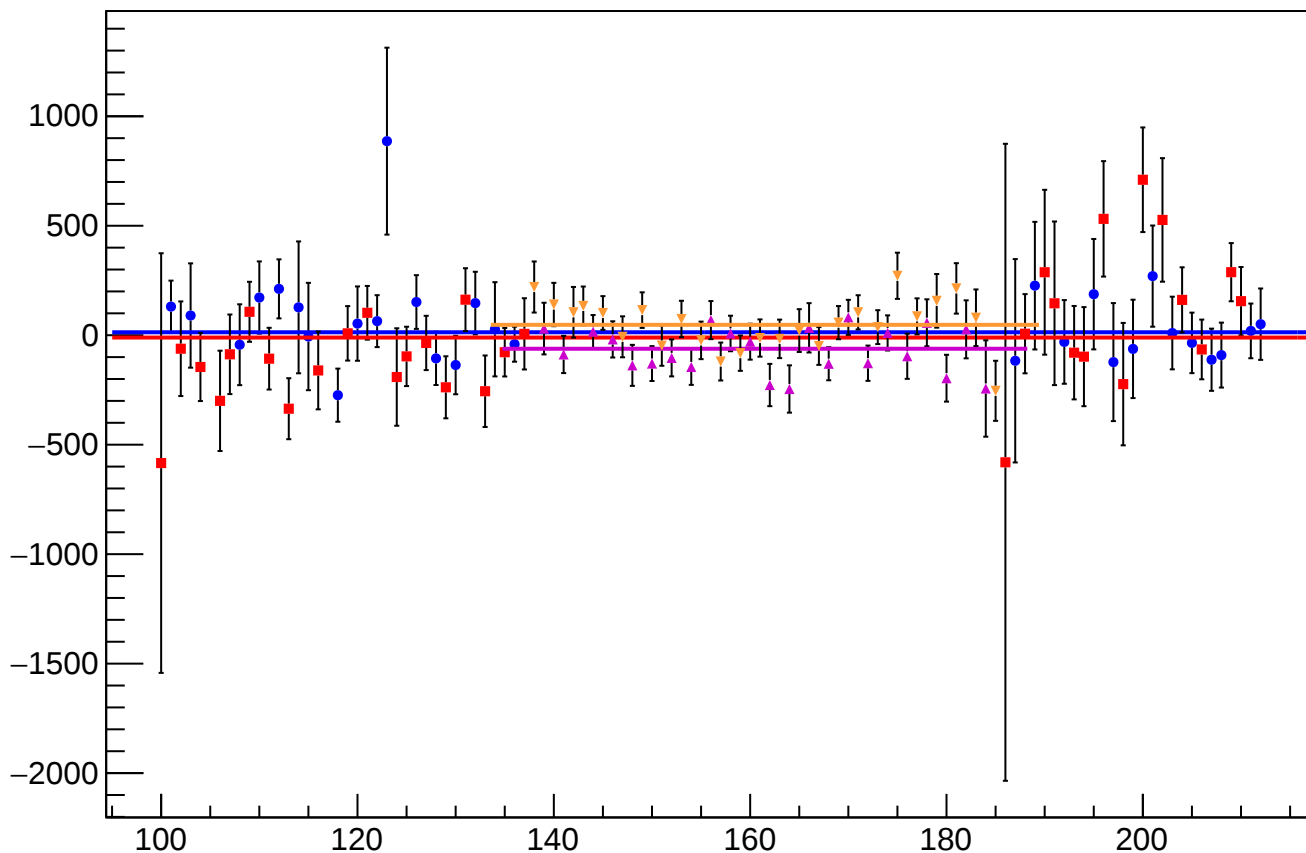
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 408.225+/-0.053 χ^2/NDF : 9359940.2/54

All: 408.835+/-0.038 χ^2/NDF : 19617626.1/11

- sign 409.466+/-0.054 χ^2/NDF : 10257418.4/55

reg_asym_sam_2468_avg_mean vs Slug



Right In: 13.462 ± 28.503 χ^2/NDF : 23.4/29

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: -10.621 ± 29.278 χ^2/NDF : 45.4/32

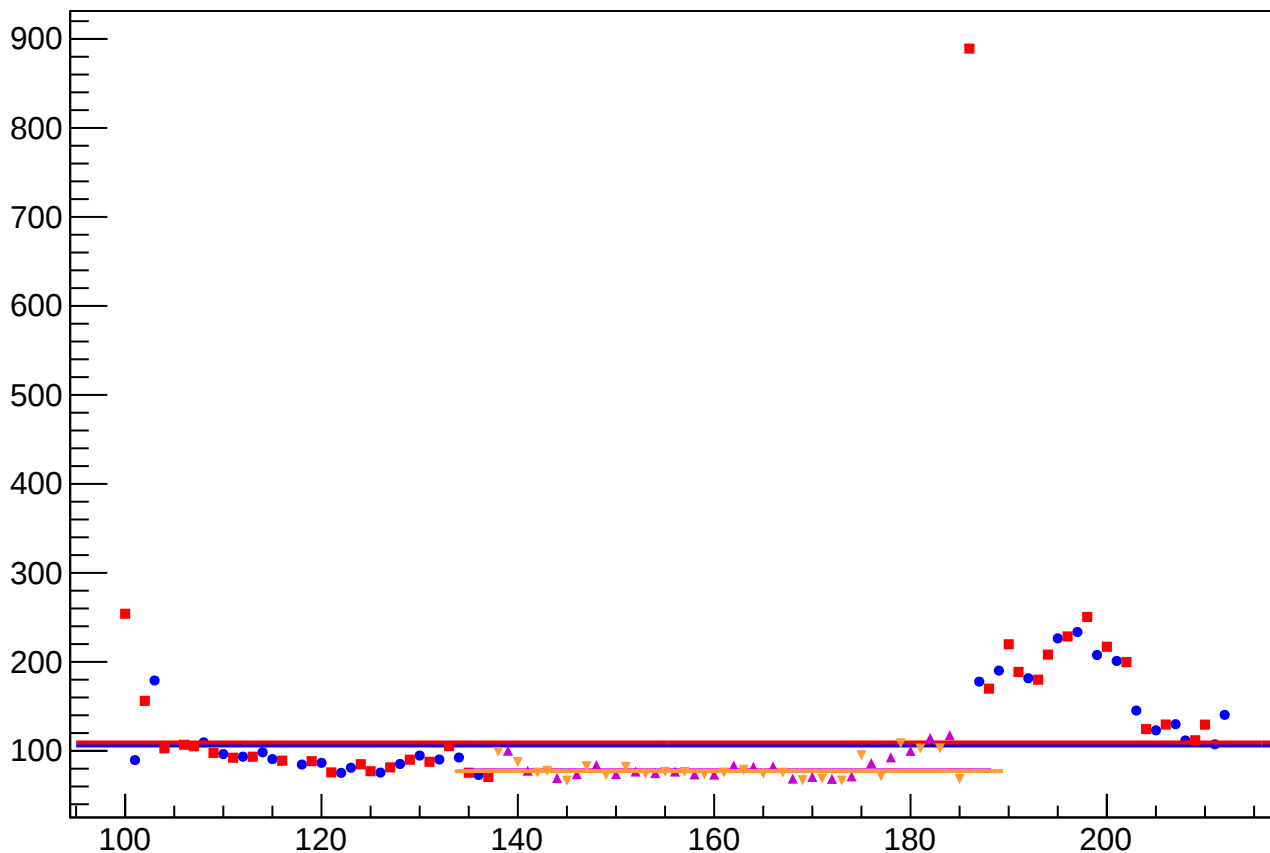
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 37.548 ± 15.371 χ^2/NDF : 53.8/54

All: -3.118 ± 11.056 χ^2/NDF : 139.8/110

- sign -46.703 ± 15.913 χ^2/NDF : 71.5/55

reg_asym_sam_2468_avg_rms vs Slug



Right In: 106.096 $\pm$ 0.020 χ^2 /NDF: 3531438.0/29

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF:635622.3/24

Right Out: 109.428 $\pm$ 0.021 χ^2 /NDF: 4360191.6/32

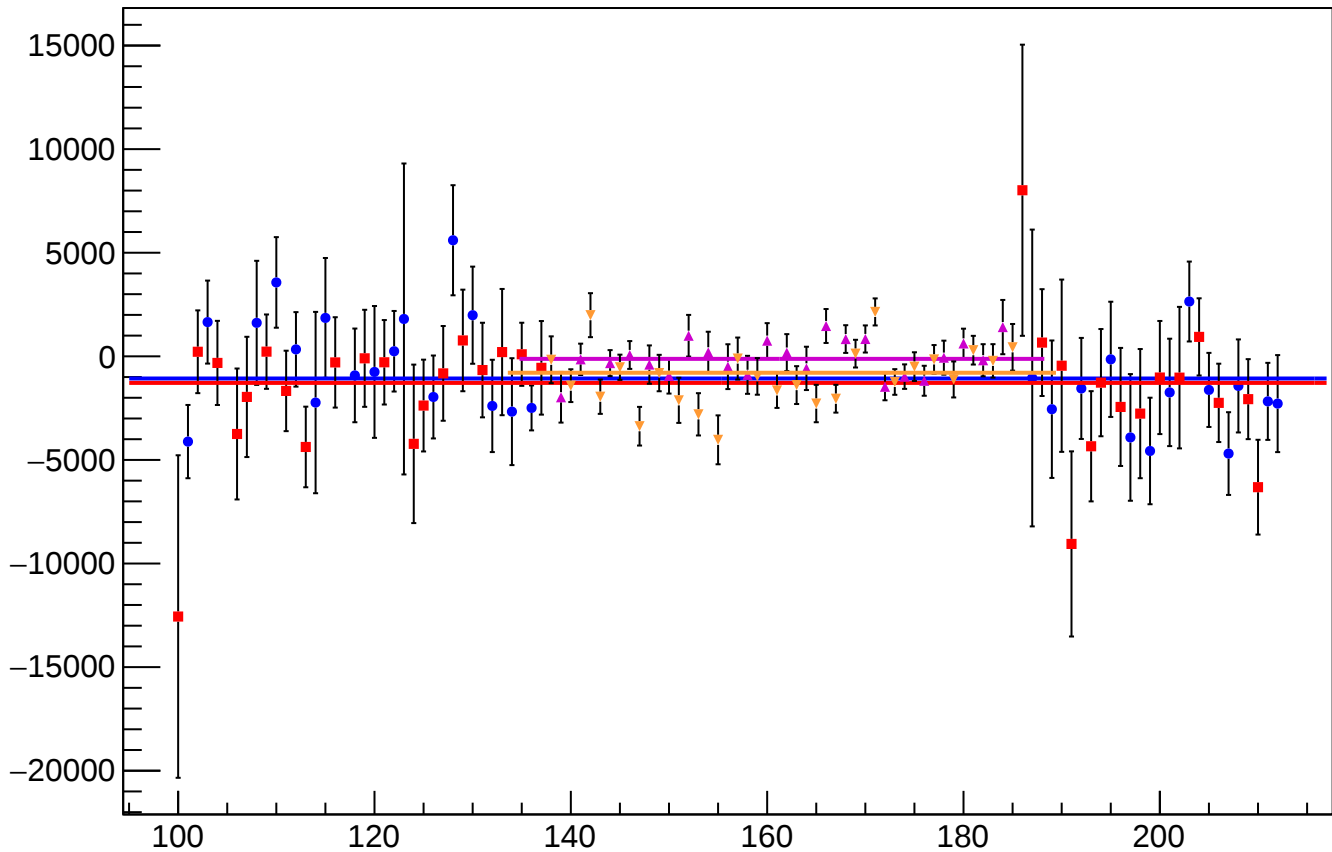
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF:582108.1/22

+ sign 85.686 $\pm$ 0.011 χ^2 /NDF: 5613038.4/54

All: 86.504 $\pm$ 0.008 χ^2 /NDF: 12176514.4/110

- sign 87.382 $\pm$ 0.011 χ^2 /NDF: 6551724.2/55

asym_sam_2468_avg_correction_mean vs Slug



Right In: -1070.111 $\pm$ 406.842 χ^2 /NDF: 34.0/29

Left Out: -792.776 $\pm$ 162.659 χ^2 /NDF: 66.6/24

Right Out: -1282.142 $\pm$ 415.159 χ^2 /NDF: 24.1/32

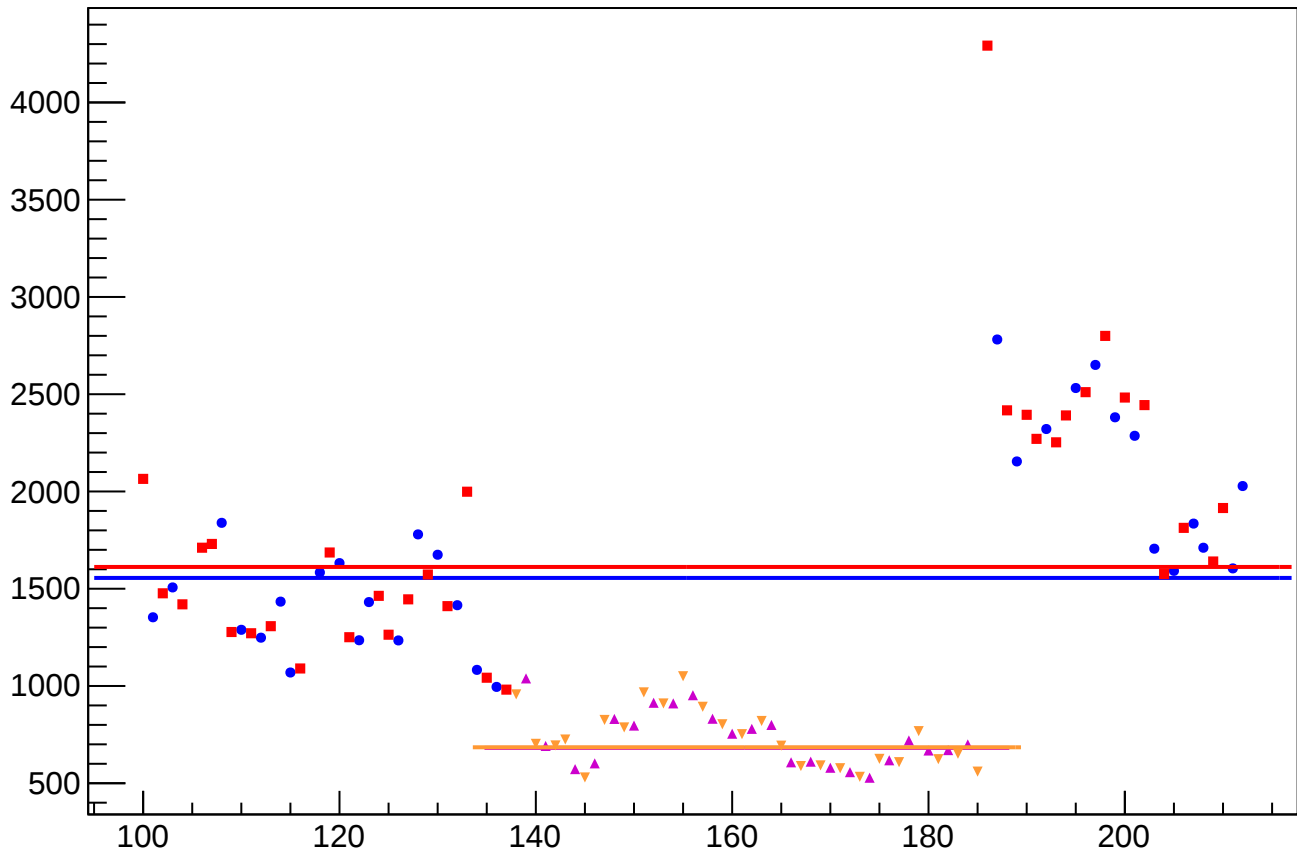
Left In: -122.198 $\pm$ 166.193 χ^2 /NDF: 25.9/22

+ sign -830.997 $\pm$ 151.035 χ^2 /NDF: 101.0/54

All: -562.549 $\pm$ 107.930 χ^2 /NDF: 164.3/110

- sign -282.405 $\pm$ 154.290 χ^2 /NDF: 56.8/55

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1555.530 $\pm$ 0.288 χ^2 /NDF: 2261947.8/29

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF:1280146.2/24

Right Out: 1611.953 $\pm$ 0.294 χ^2 /NDF: 2714191.8/32

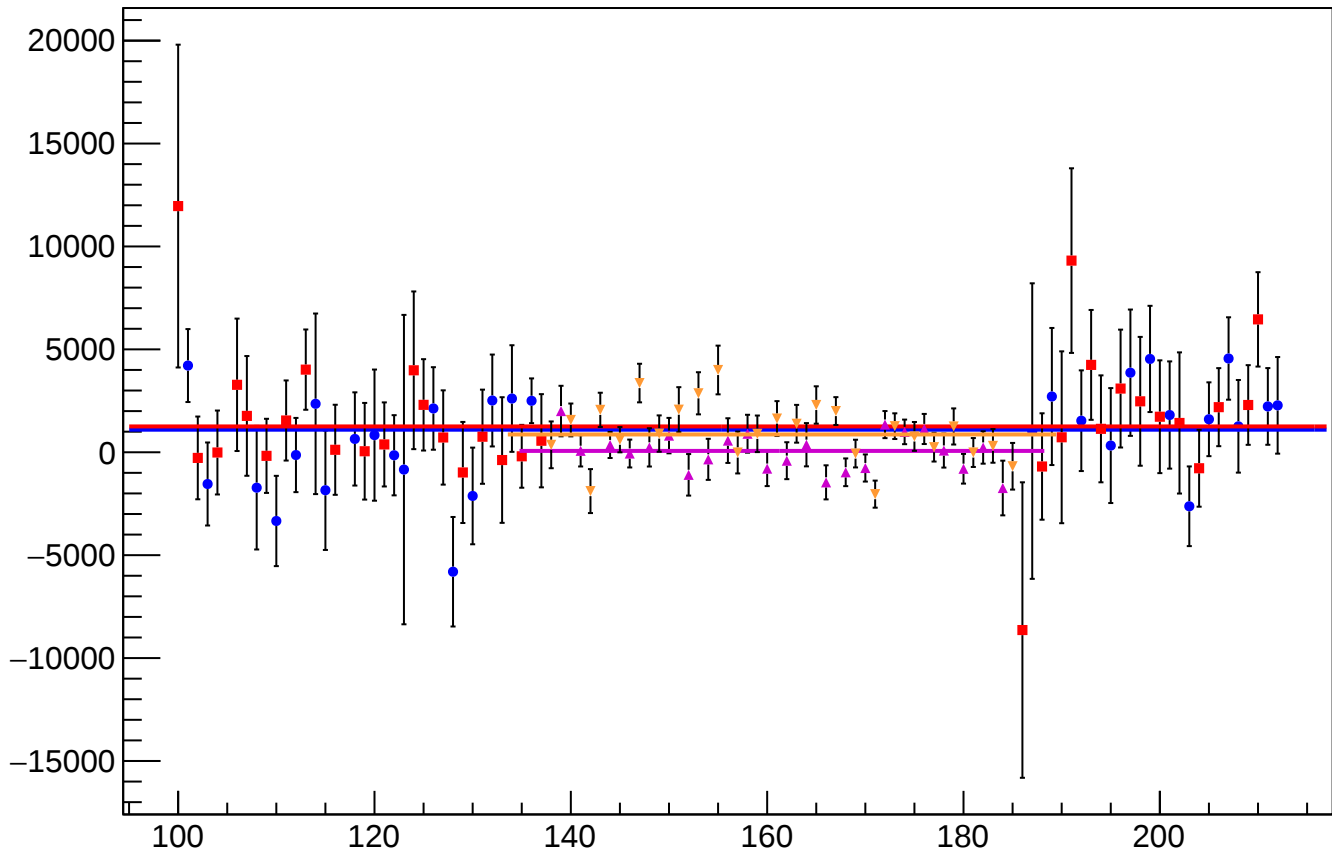
Left In: 681.712 $\pm$ 0.118 χ^2 /NDF:1119637.0/22

+ sign 804.789 $\pm$ 0.107 χ^2 /NDF: 11440875.8/54

All: 807.434 $\pm$ 0.076 χ^2 /NDF: 23930410.8/11

- sign 810.194 $\pm$ 0.109 χ^2 /NDF: 12488281.5/55

asym_sam_2468_avg_mean vs Slug



Right In: 1097.043 $\pm$ 408.068 χ^2 /NDF: 33.5/29

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF: 62.8/24

Right Out: 1255.286 $\pm$ 416.567 χ^2 /NDF: 24.0/32

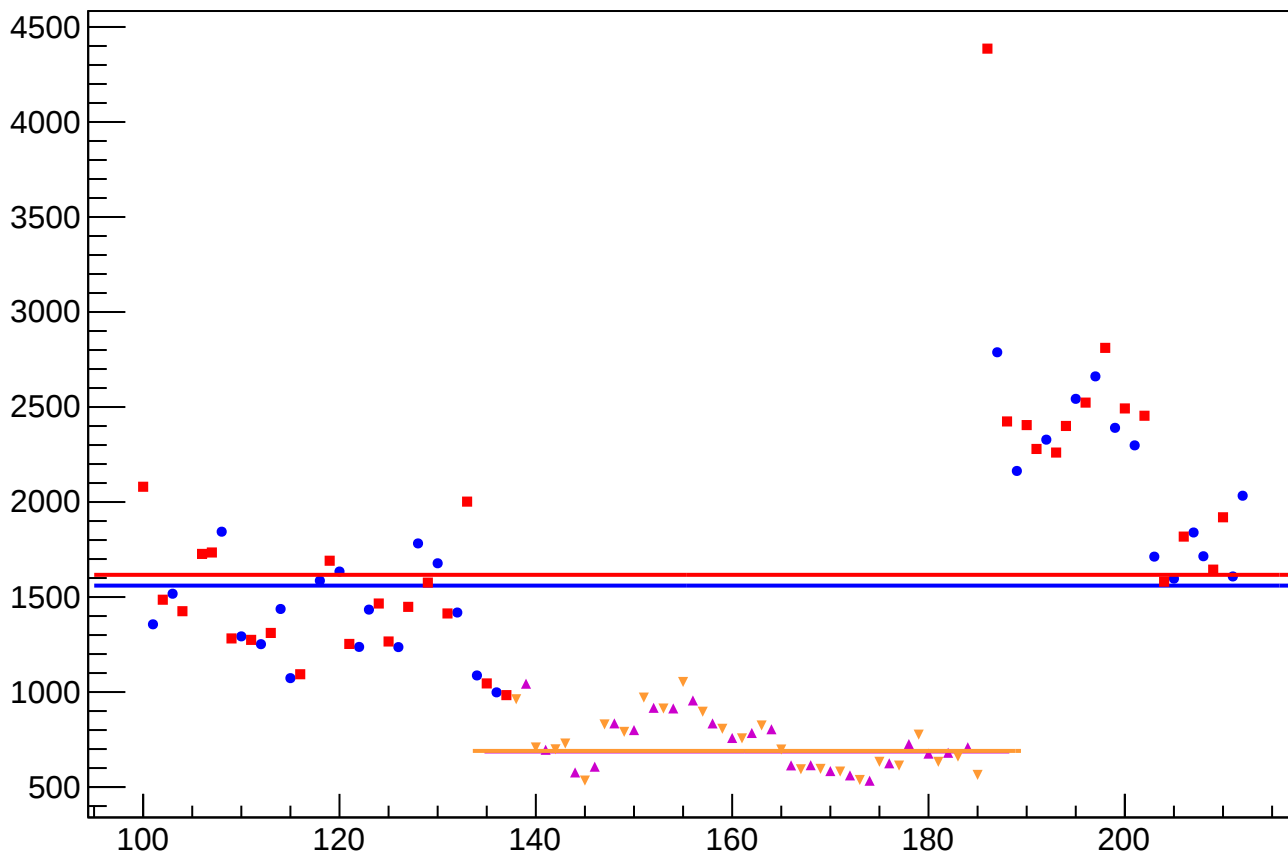
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF: 26.4/22

+ sign 897.743 $\pm$ 152.079 χ^2 /NDF: 96.7/54

All: 571.772 $\pm$ 108.689 χ^2 /NDF: 163.5/110

- sign 231.432 $\pm$ 155.395 χ^2 /NDF: 57.4/55

asym_sam_2468_avg_rms vs Slug



Right In: 1560.125+/-0.289 χ^2/NDF : 2265748.2/29

Left Out: 690.166+/-0.116 χ^2/NDF : 1258158.2/24

Right Out: 1616.831+/-0.295 χ^2/NDF : 2726537.1/32

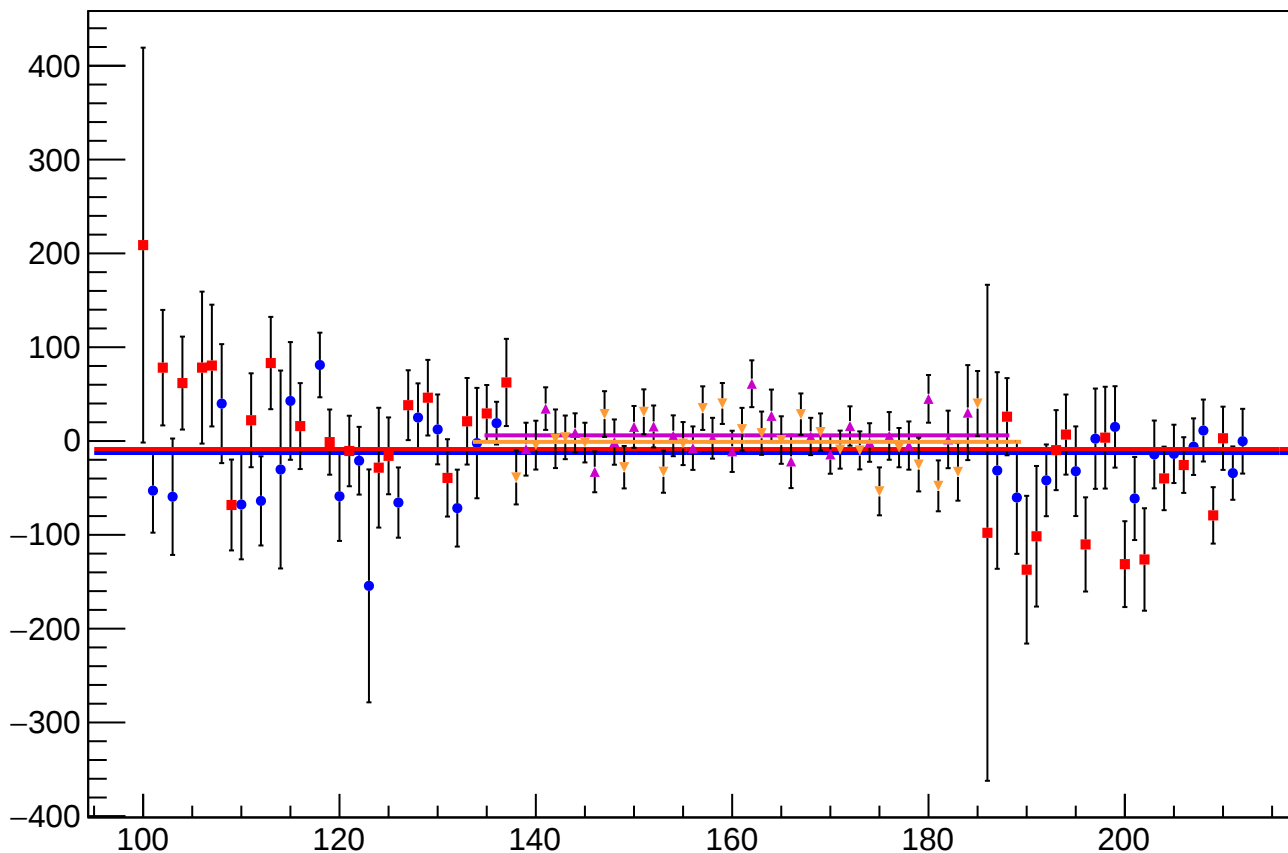
Left In: 687.216+/-0.118 χ^2/NDF : 1099706.1/22

+ sign 810.996+/-0.108 χ^2/NDF : 11351351.8/54

All: 813.727+/-0.077 χ^2/NDF : 23753038.8/11

- sign 816.578+/-0.110 χ^2/NDF : 12400368.4/55

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -12.765 ± 7.458 $\chi^2/\text{NDF}: 26.6/29$

Left Out: -0.861 ± 4.760 $\chi^2/\text{NDF}: 27.9/24$

Right Out: -8.511 ± 7.736 $\chi^2/\text{NDF}: 50.2/32$

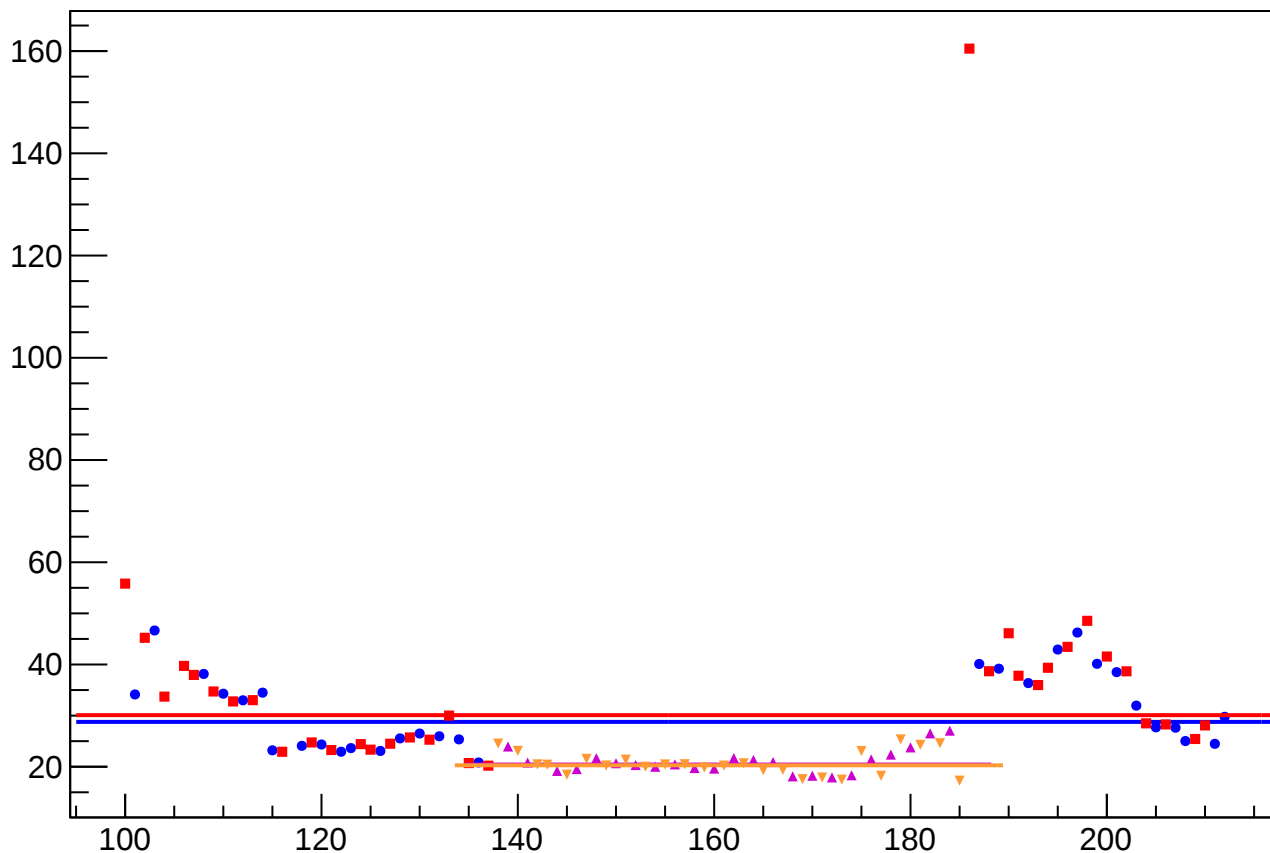
Left In: 6.042 ± 4.925 $\chi^2/\text{NDF}: 16.9/22$

+ sign -4.307 ± 4.012 $\chi^2/\text{NDF}: 56.3/54$

All: -1.338 ± 2.886 $\chi^2/\text{NDF}: 127.0/110$

- sign 1.845 ± 4.155 $\chi^2/\text{NDF}: 69.6/55$

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.772+/-0.005 χ^2/NDF : 1612077.0/29

Left Out: 20.279+/-0.003 χ^2/NDF : 407056.4/24

Right Out: 30.089+/-0.005 χ^2/NDF : 2285126.3/32

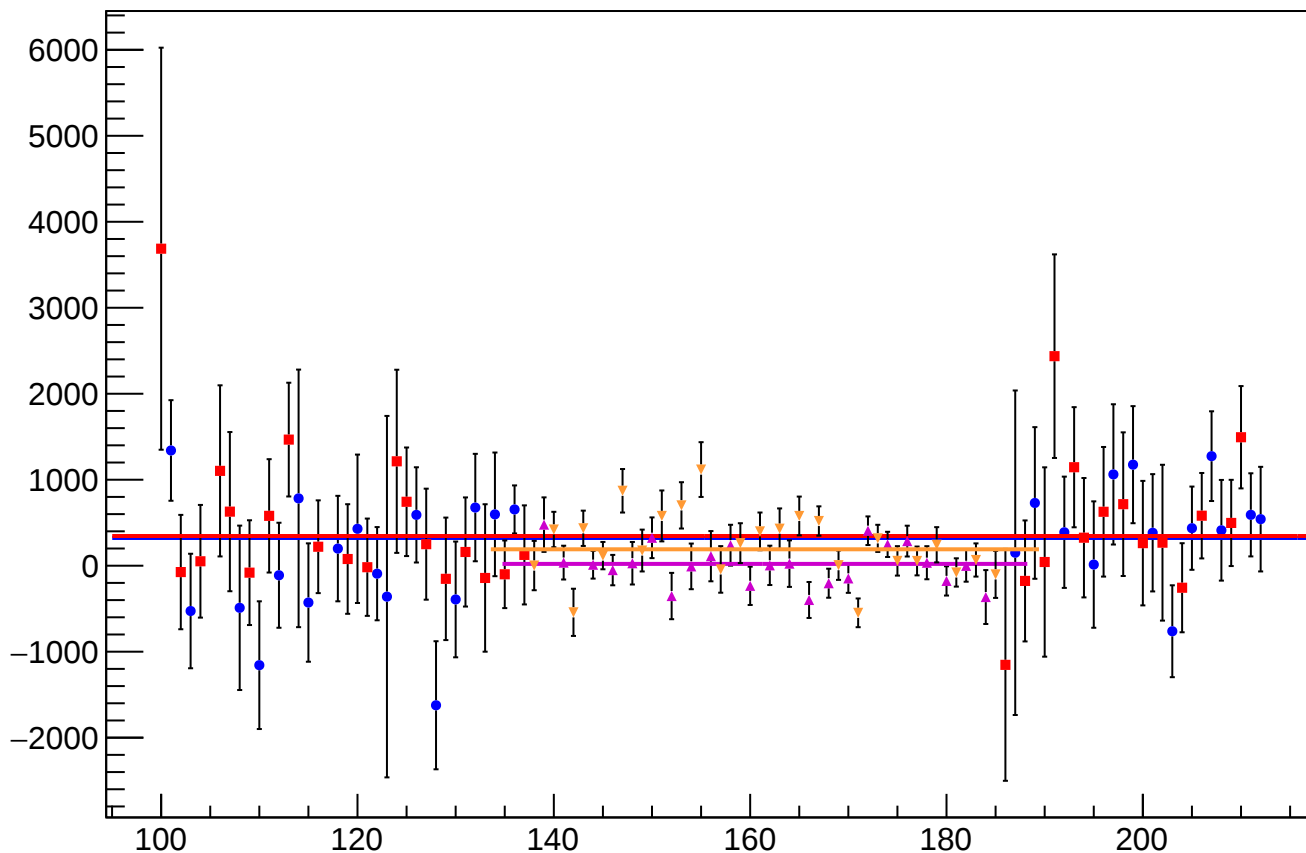
Left In: 20.424+/-0.003 χ^2/NDF : 323427.4/22

+ sign 22.738+/-0.003 χ^2/NDF : 3861826.4/54

All: 22.966+/-0.002 χ^2/NDF : 8705265.2/110

- sign 23.211+/-0.003 χ^2/NDF : 4829987.1/55

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 322.593 ± 112.871 χ^2/NDF : 32.7/29

Left Out: 190.867 ± 41.314 χ^2/NDF : 67.9/24

Right Out: 345.317 ± 116.670 χ^2/NDF : 22.9/32

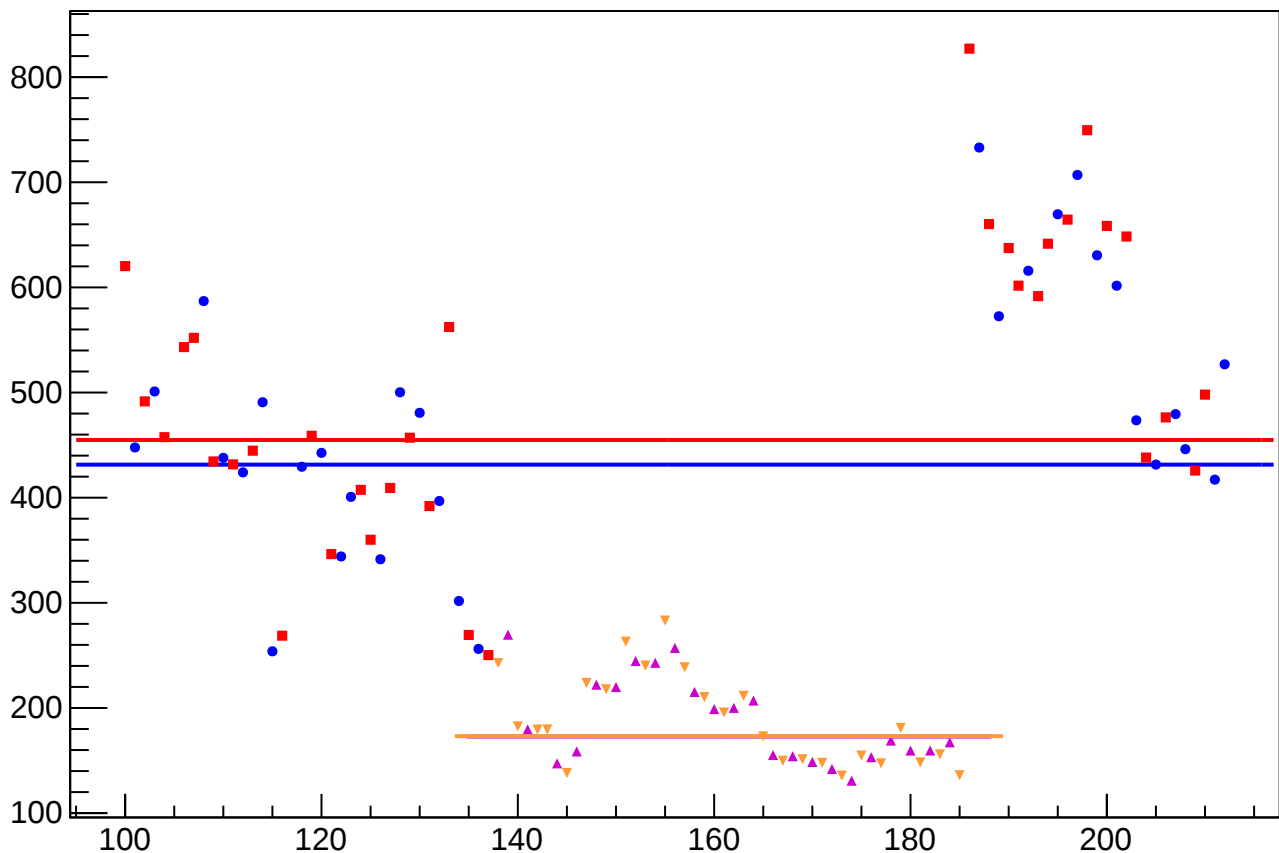
Left In: 20.998 ± 42.291 χ^2/NDF : 27.7/22

+ sign 206.430 ± 38.797 χ^2/NDF : 101.8/54

All: 134.357 ± 27.767 χ^2/NDF : 166.3/110

- sign 58.662 ± 39.759 χ^2/NDF : 57.5/55

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 431.423+/-0.080 χ^2/NDF : 2284341.6/29

Left Out: 173.210+/-0.029 χ^2/NDF :1561250.6/24

Right Out: 454.887+/-0.082 χ^2/NDF : 2483356.1/32

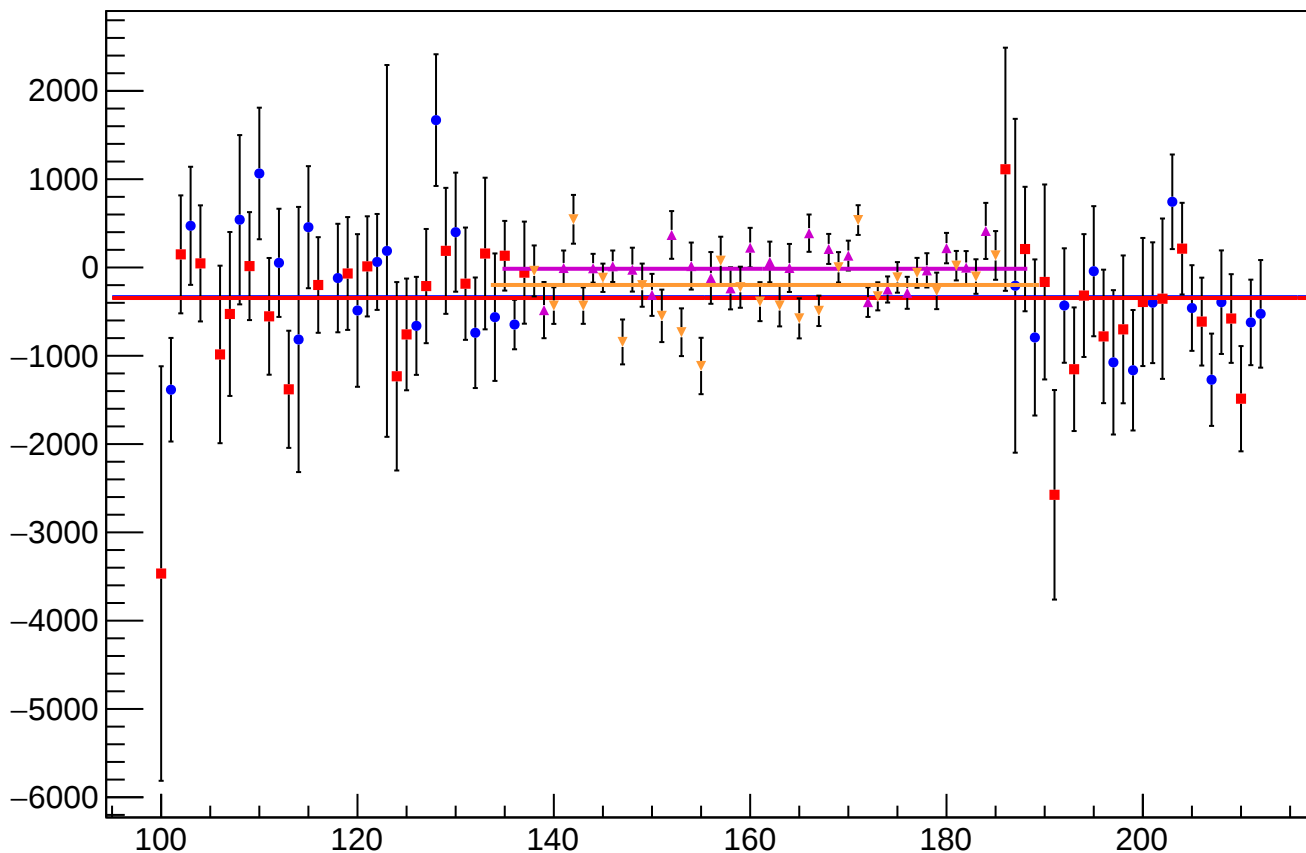
Left In: 172.828+/-0.030 χ^2/NDF :1372131.7/22

+ sign 203.717+/-0.027 χ^2/NDF : 13075927.8/54

All: 204.628+/-0.020 χ^2/NDF : 27265490.4/11

- sign 205.584+/-0.028 χ^2/NDF : 14187303.0/55

asym_sam_1357_2468_dd_mean vs Slug



Right In: -336.113 ± 113.159 χ^2/NDF : 32.6/29

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -345.750 ± 116.993 χ^2/NDF : 23.0/32

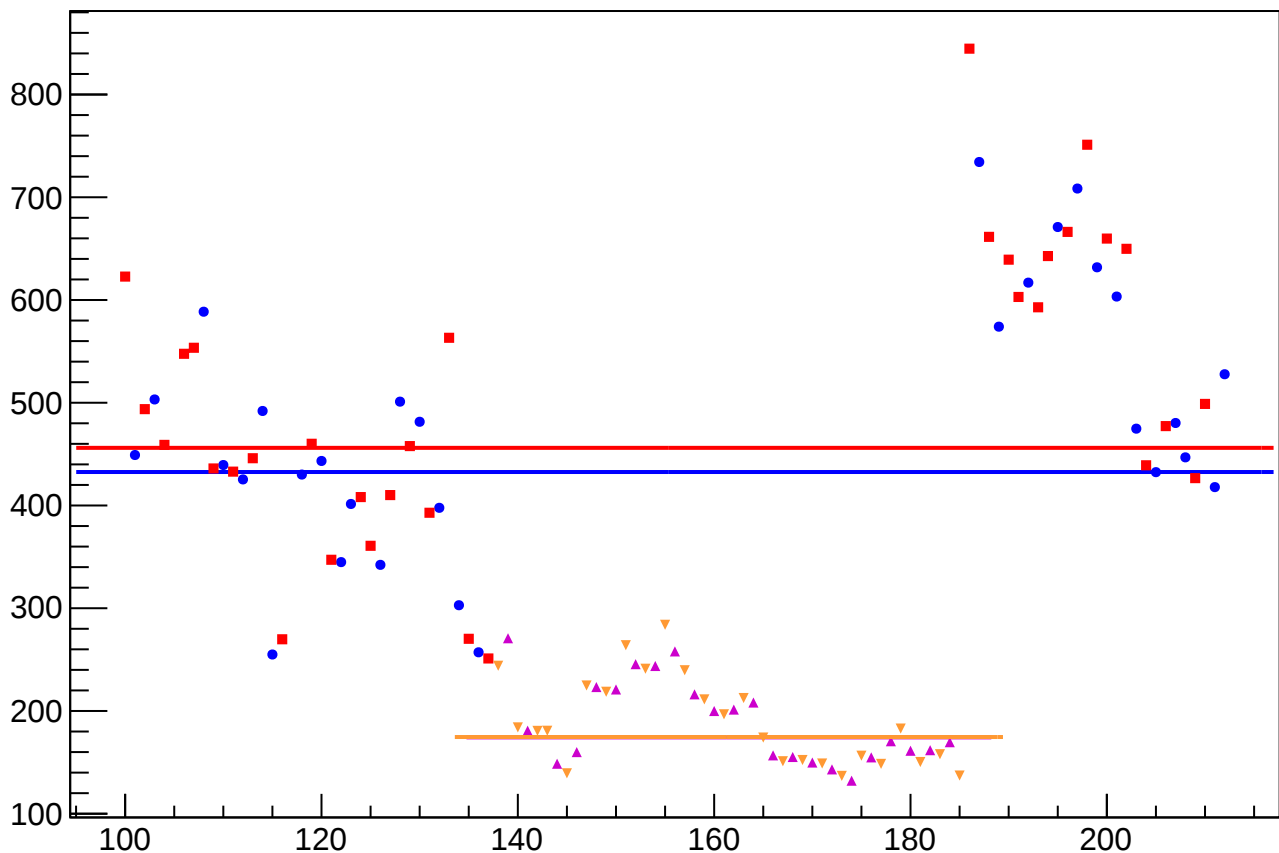
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -214.397 ± 39.077 χ^2/NDF : 98.2/54

All: -135.899 ± 27.970 χ^2/NDF : 164.2/110

- sign -53.427 ± 40.053 χ^2/NDF : 57.7/55

asym_sam_1357_2468_dd_rms vs Slug



Right In: 432.580 +/- 0.080 χ^2/NDF : 2277373.1/29

Left Out: 174.648 +/- 0.029 χ^2/NDF : 1531999.5/24

Right Out: 456.107 +/- 0.083 χ^2/NDF : 2486318.8/32

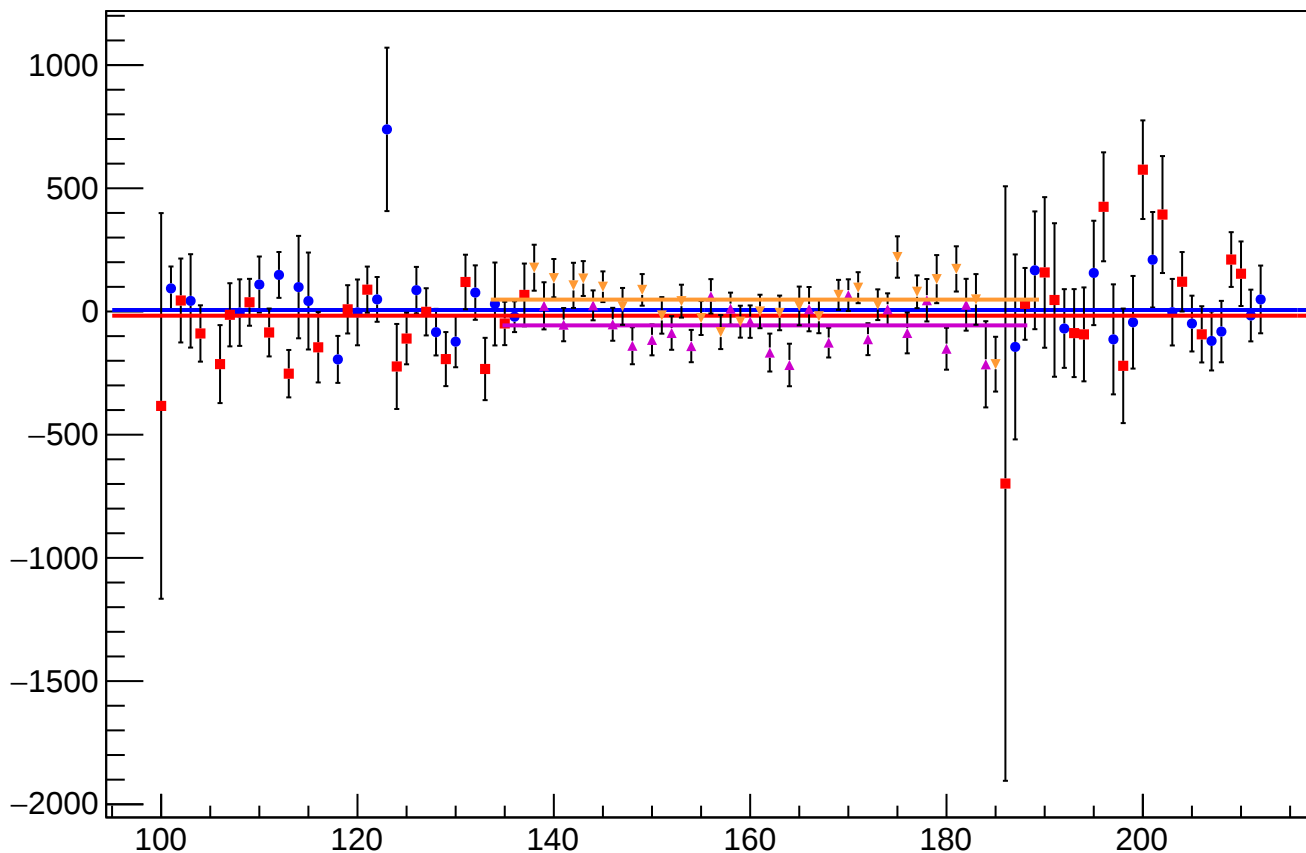
Left In: 174.288 +/- 0.030 χ^2/NDF : 1344779.5/22

+ sign 205.406 +/- 0.028 χ^2/NDF : 12961389.2/54

All: 206.339 +/- 0.020 χ^2/NDF : 27039800.3/11

- sign 207.320 +/- 0.028 χ^2/NDF : 14076072.5/55

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 6.032 ± 22.310 χ^2/NDF : 22.5/29

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: -17.056 ± 22.637 χ^2/NDF : 46.4/32

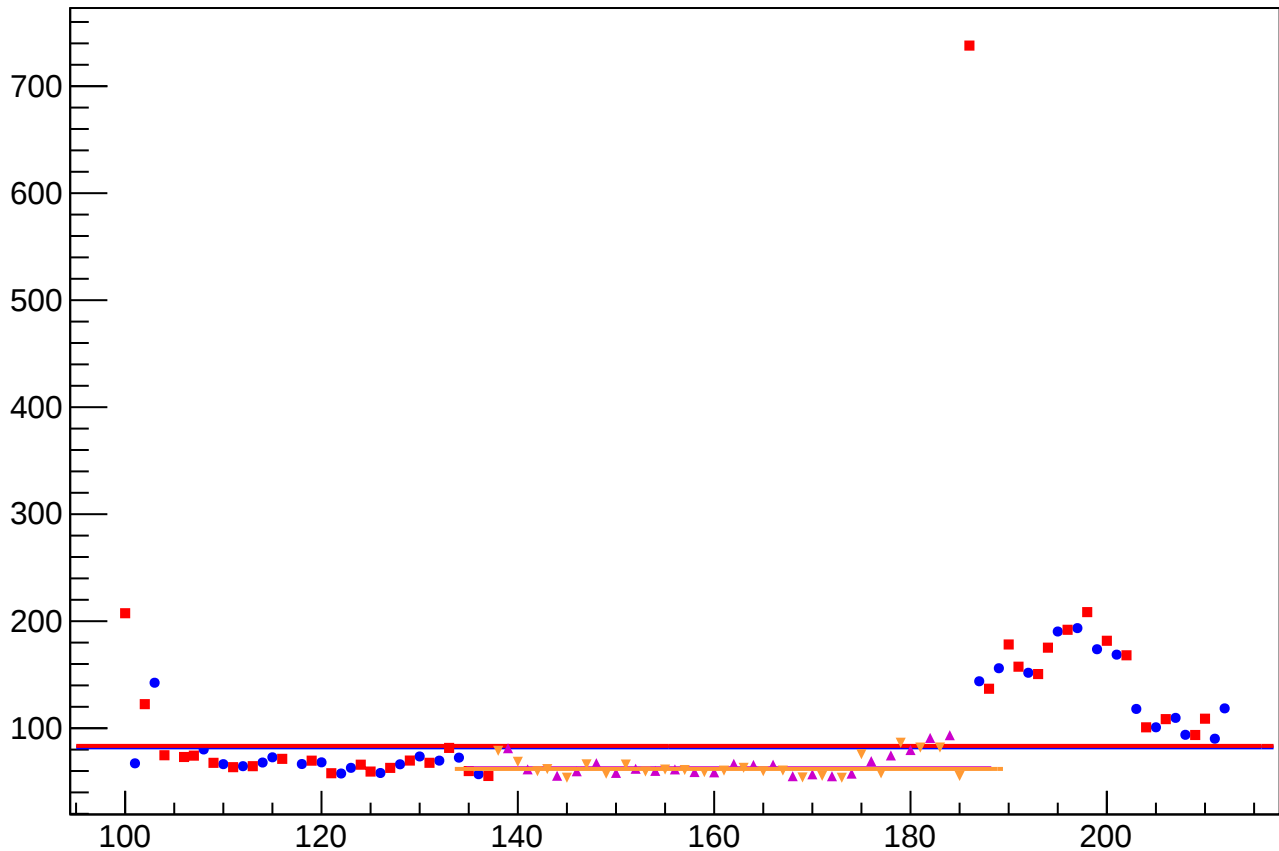
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 35.560 ± 12.226 χ^2/NDF : 54.3/54

All: -3.088 ± 8.777 χ^2/NDF : 150.8/110

- sign -44.195 ± 12.609 χ^2/NDF : 75.9/55

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 82.105+/-0.016 χ^2/NDF : 4157003.8/29

Left Out: 61.946+/-0.010 χ^2/NDF : 604989.2/24

Right Out: 83.473+/-0.016 χ^2/NDF : 5072245.7/32

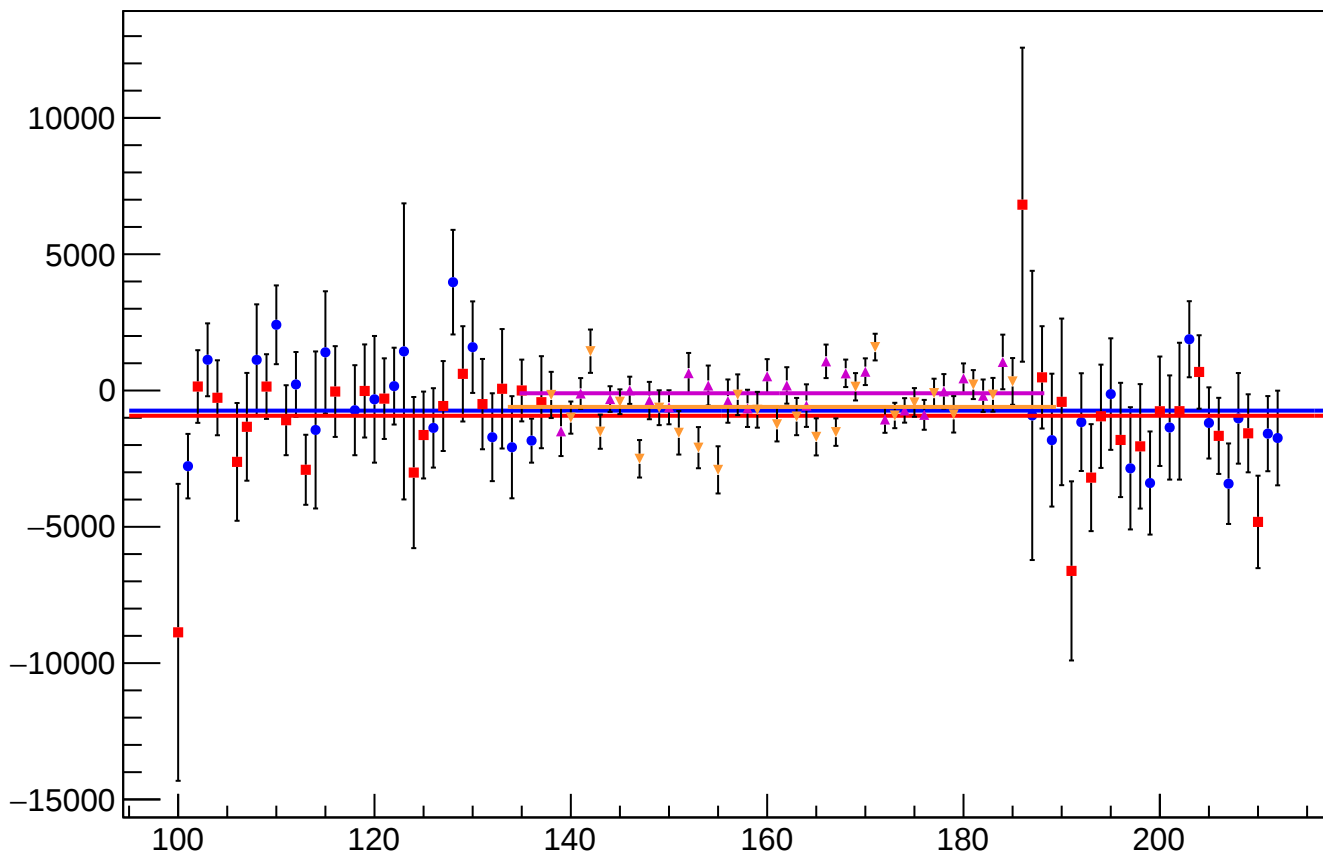
Left In: 62.607+/-0.011 χ^2/NDF : 575516.1/22

+ sign 68.000+/-0.009 χ^2/NDF : 5904523.5/54

All: 68.524+/-0.006 χ^2/NDF : 12731960.9/110

- sign 69.081+/-0.009 χ^2/NDF : 6819862.9/55

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -737.821 ± 292.386 χ^2/NDF : 34.6/29

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -926.251 ± 296.419 χ^2/NDF : 24.6/32

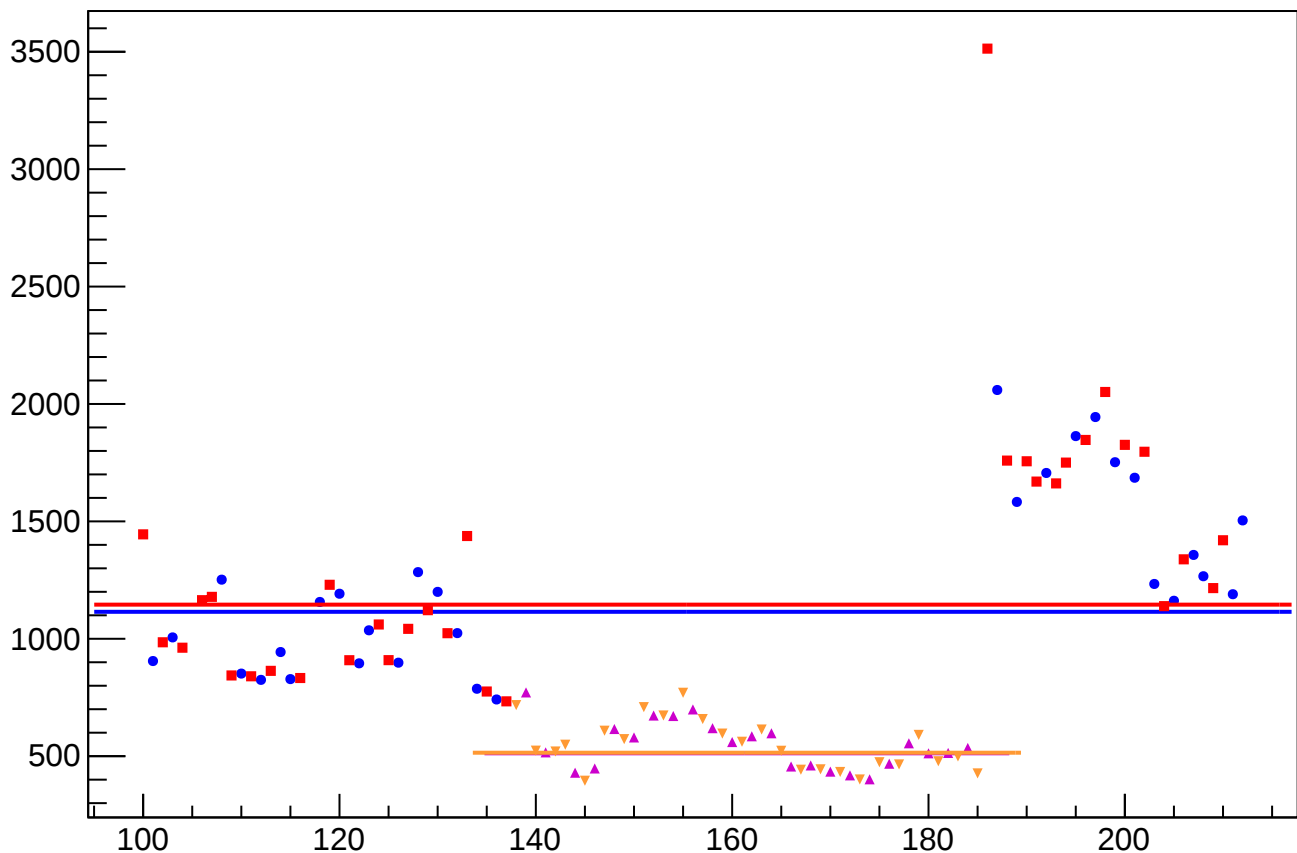
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -621.736 ± 112.685 χ^2/NDF : 100.2/54

All: -427.213 ± 80.473 χ^2/NDF : 162.9/110

- sign -224.748 ± 114.962 χ^2/NDF : 56.6/55

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1114.878 $\pm$ 0.207 χ^2 /NDF: 2418251.4/29

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF:1194945.9/24

Right Out: 1145.395 $\pm$ 0.210 χ^2 /NDF: 2992994.2/32

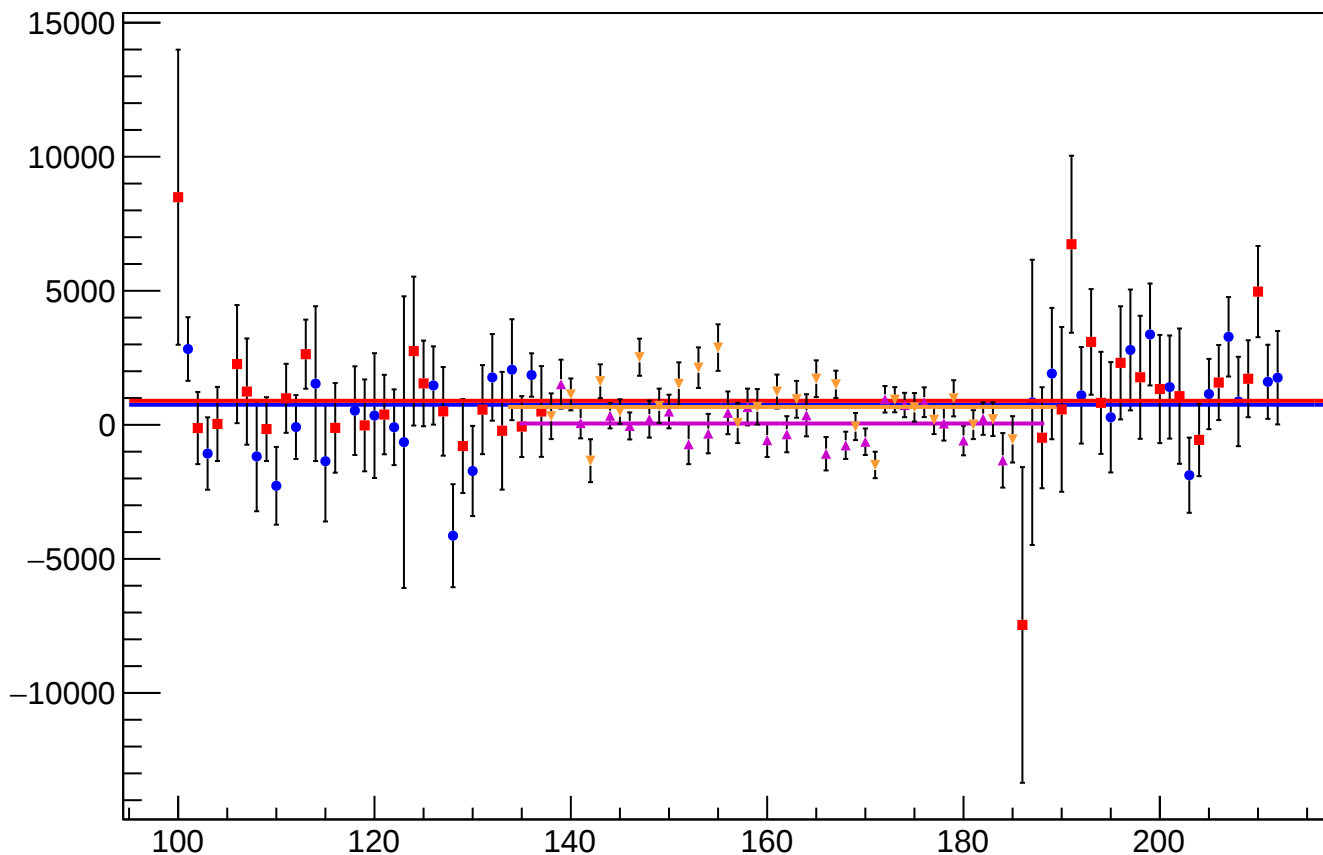
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF:1041302.8/22

+ sign 603.894 $\pm$ 0.080 χ^2 /NDF: 10787202.2/54

All: 605.633 $\pm$ 0.057 χ^2 /NDF: 22575999.7/11

- sign 607.443 $\pm$ 0.081 χ^2 /NDF: 11787825.7/55

asym_sam_12345678_avg_mean vs Slug



Right In: 751.266+/-293.467 χ^2/NDF : 34.1/29

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 898.666+/-297.642 χ^2/NDF : 24.4/32

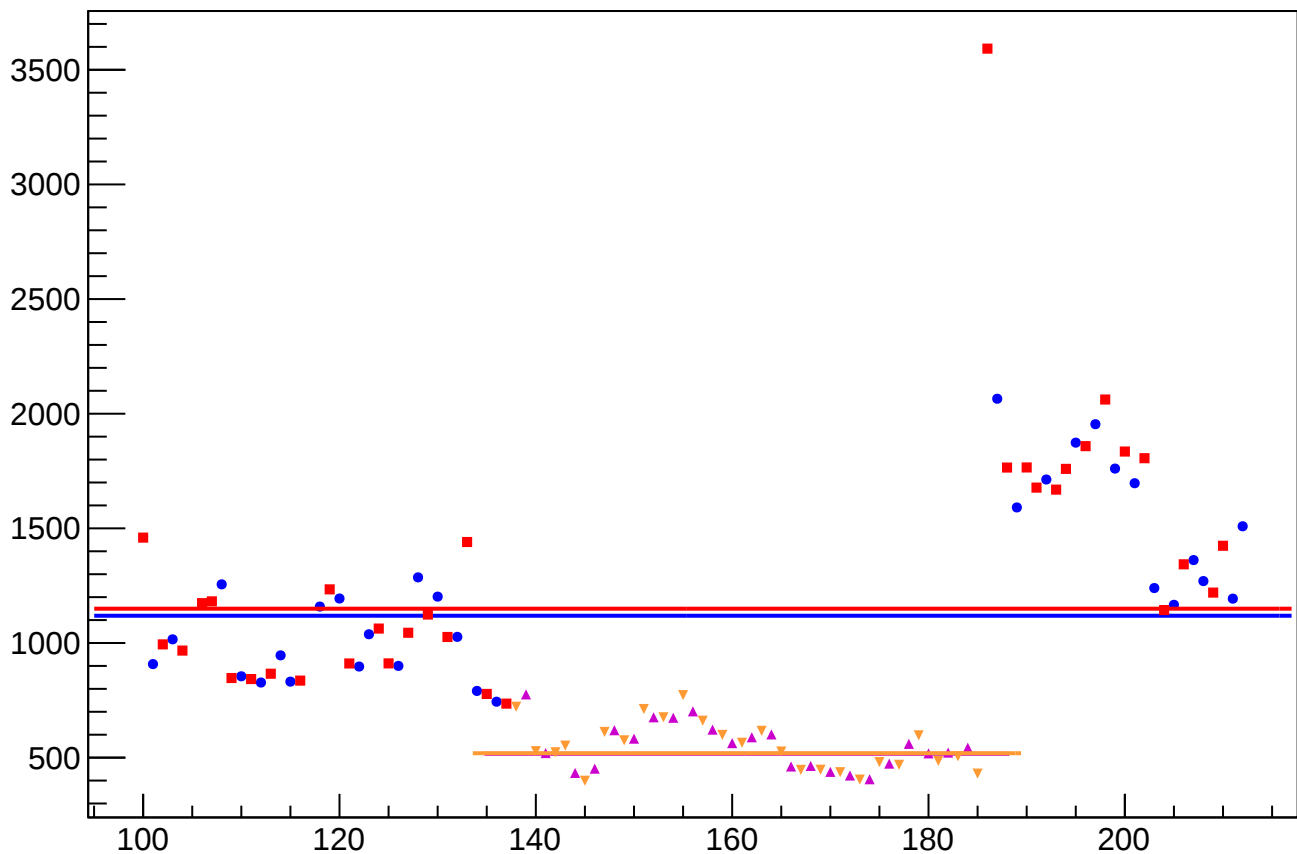
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 680.147+/-113.553 χ^2/NDF : 95.6/54

All: 434.507+/-81.104 χ^2/NDF : 162.5/110

- sign 178.701+/-115.879 χ^2/NDF : 57.4/55

asym_sam_12345678_avg_rms vs Slug



Right In: 1118.878 ± 0.208 $\chi^2/\text{NDF}: 2424782.8/29$

Left Out: 519.254 ± 0.087 $\chi^2/\text{NDF}: 1172411.1/24$

Right Out: 1149.598 ± 0.210 $\chi^2/\text{NDF}: 3007280.8/32$

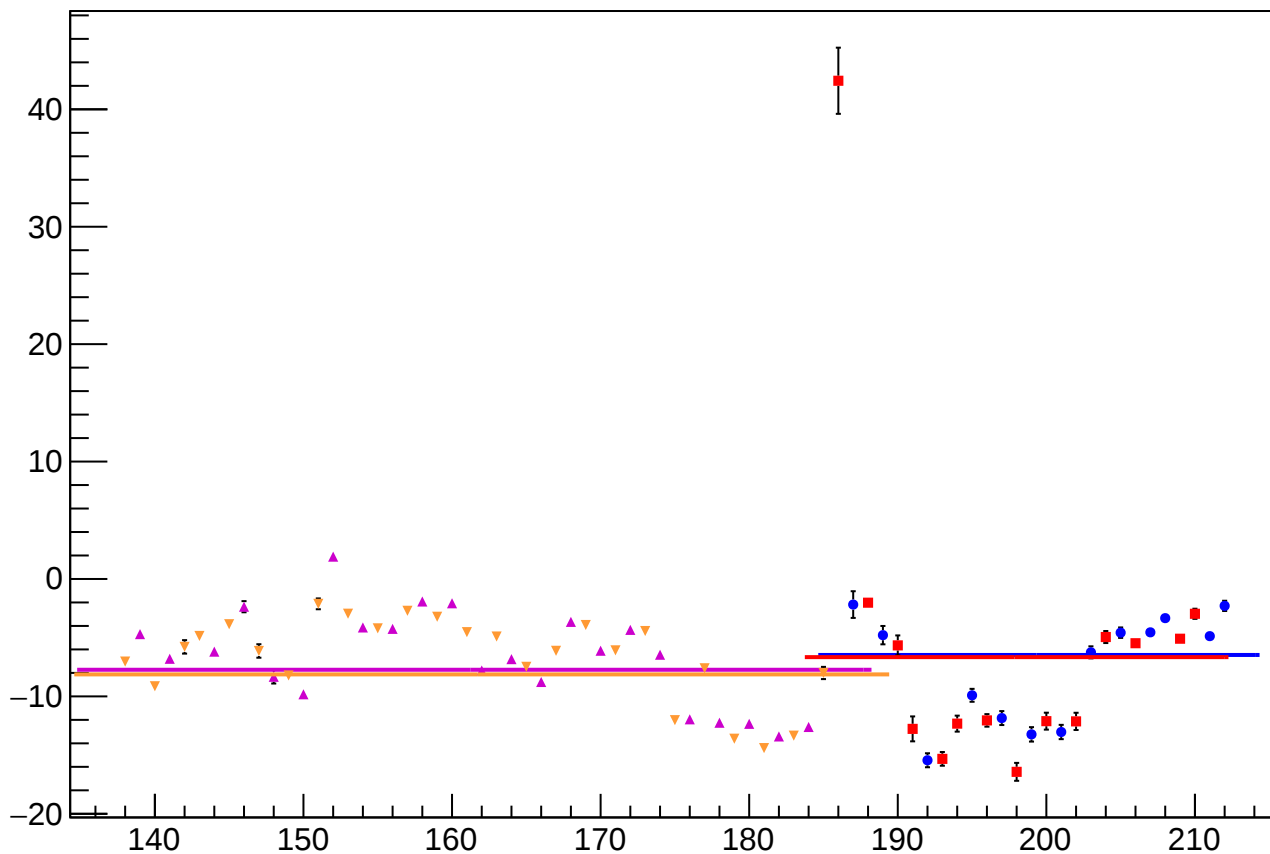
Left In: 516.792 ± 0.089 $\chi^2/\text{NDF}: 1021374.1/22$

+ sign 609.030 ± 0.080 $\chi^2/\text{NDF}: 10696772.2/54$

All: 610.832 ± 0.057 $\chi^2/\text{NDF}: 22396472.3/11$

- sign 612.708 ± 0.082 $\chi^2/\text{NDF}: 11698672.4/55$

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -6.472 ± 0.137 χ^2/NDF : 829.2/12

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -6.657 ± 0.139 χ^2/NDF : 1315.9/13

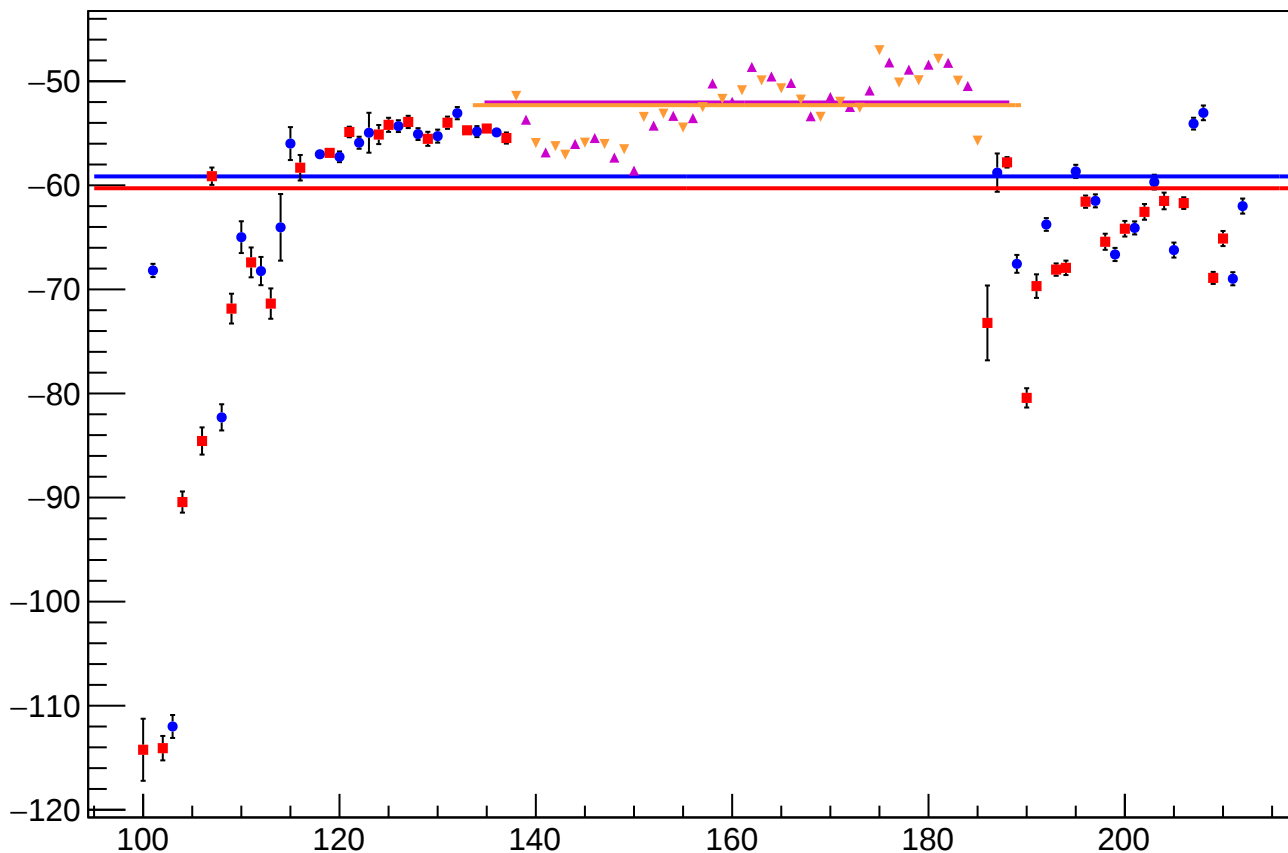
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -7.805 ± 0.060 χ^2/NDF : 4582.4/37

All: -7.665 ± 0.043 χ^2/NDF : 9676.2/74

- sign -7.520 ± 0.062 χ^2/NDF : 5082.9/36

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.144 ± 0.114 χ^2/NDF : 4457.6/29

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -60.282 ± 0.114 χ^2/NDF : 6252.4/32

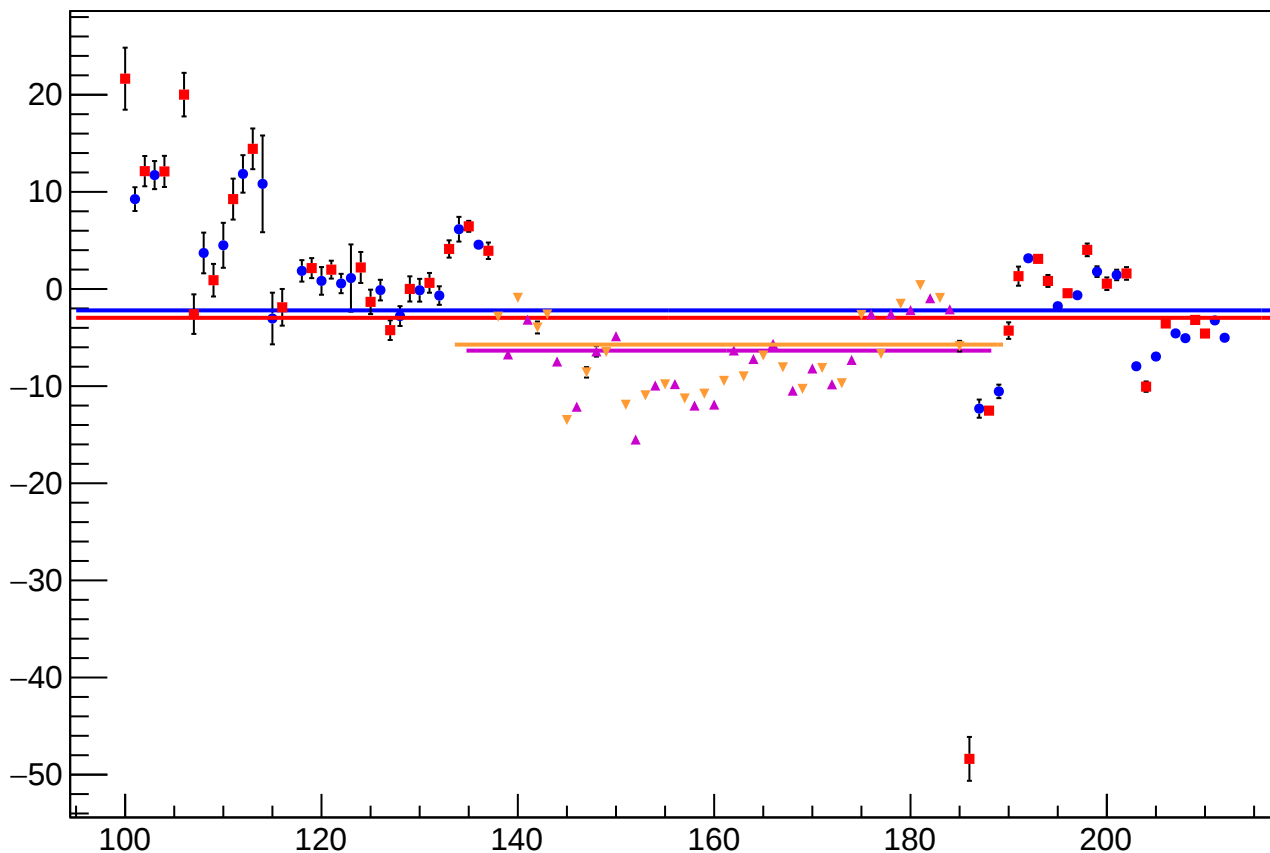
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.587 ± 0.050 χ^2/NDF : 10027.7/54

All: -53.642 ± 0.036 χ^2/NDF : 23660.0/110

- sign -53.701 ± 0.051 χ^2/NDF : 13629.7/55

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -2.200 ± 0.116 $\chi^2/\text{NDF}: 1476.5/29$

Left Out: -5.722 ± 0.068 $\chi^2/\text{NDF}: 3983.0/24$

Right Out: -2.966 ± 0.115 $\chi^2/\text{NDF}: 3204.9/32$

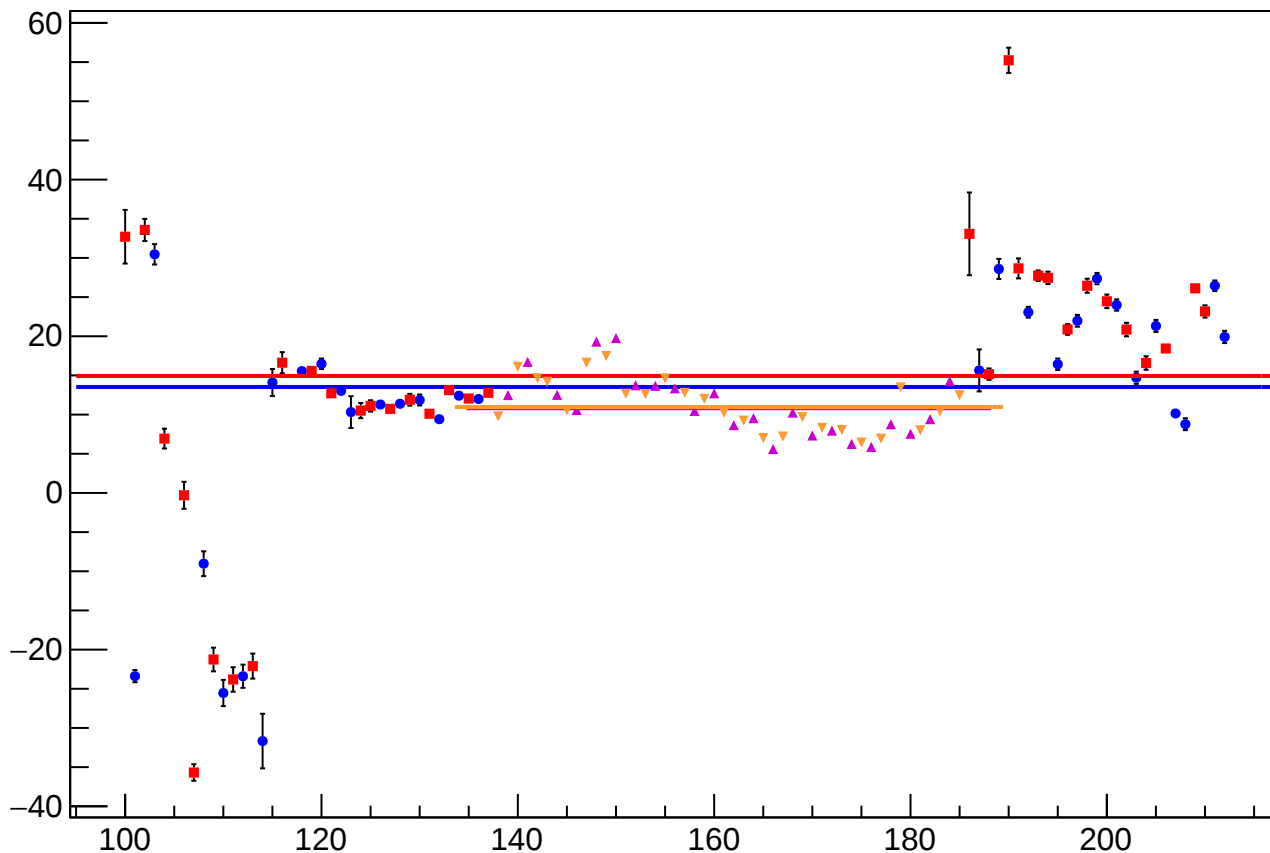
Left In: -6.344 ± 0.069 $\chi^2/\text{NDF}: 3383.7/22$

+ sign -4.833 ± 0.058 $\chi^2/\text{NDF}: 6144.8/54$

All: -5.144 ± 0.042 $\chi^2/\text{NDF}: 13423.7/110$

- sign -5.462 ± 0.059 $\chi^2/\text{NDF}: 7221.6/55$

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.527 $\pm$ 0.127 χ^2 /NDF: 5767.0/29

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 14.934 $\pm$ 0.129 χ^2 /NDF: 6868.8/32

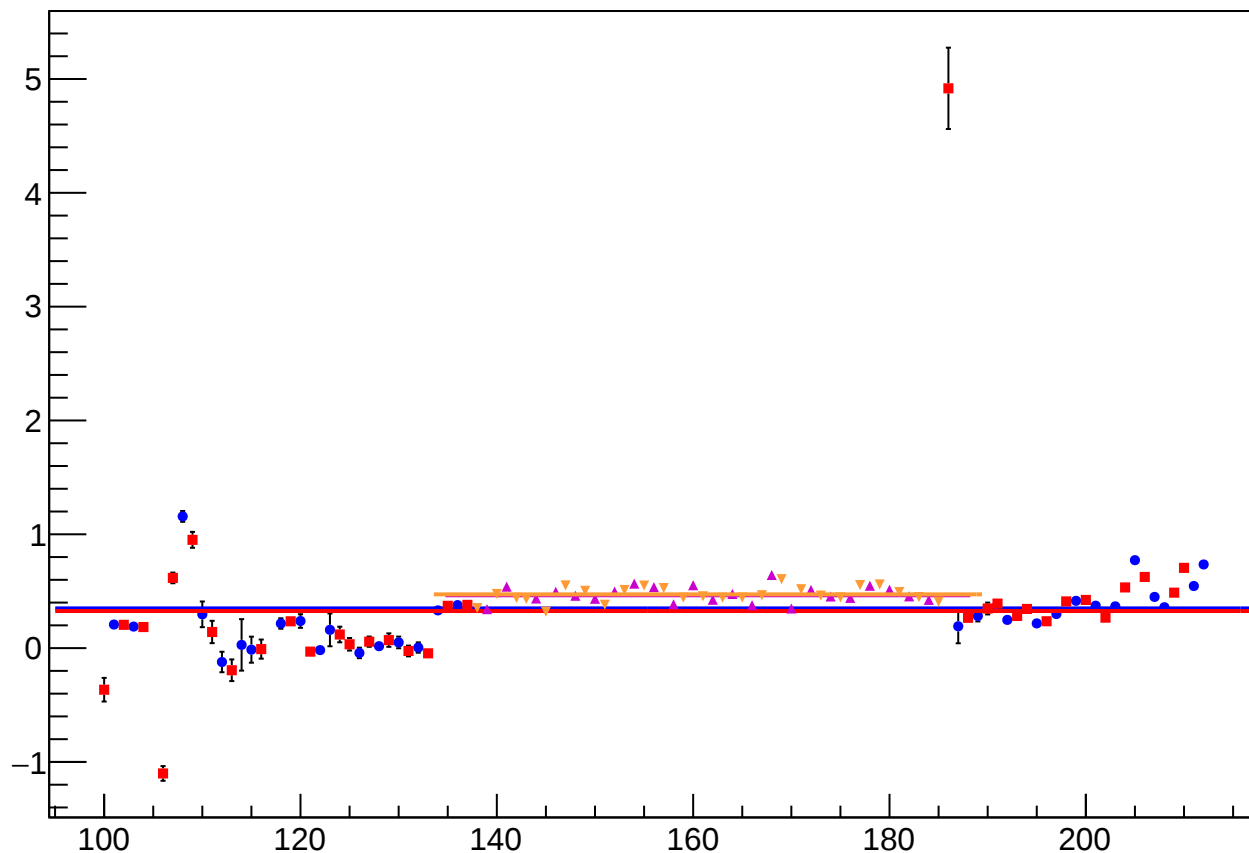
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 11.451 $\pm$ 0.055 χ^2 /NDF: 8733.3/54

All: 11.528 $\pm$ 0.040 χ^2 /NDF: 19975.7/110

- sign 11.609 $\pm$ 0.057 χ^2 /NDF: 11238.4/55

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.349 ± 0.006 χ^2/NDF : 1080.1/29

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.326 ± 0.006 χ^2/NDF : 1655.4/32

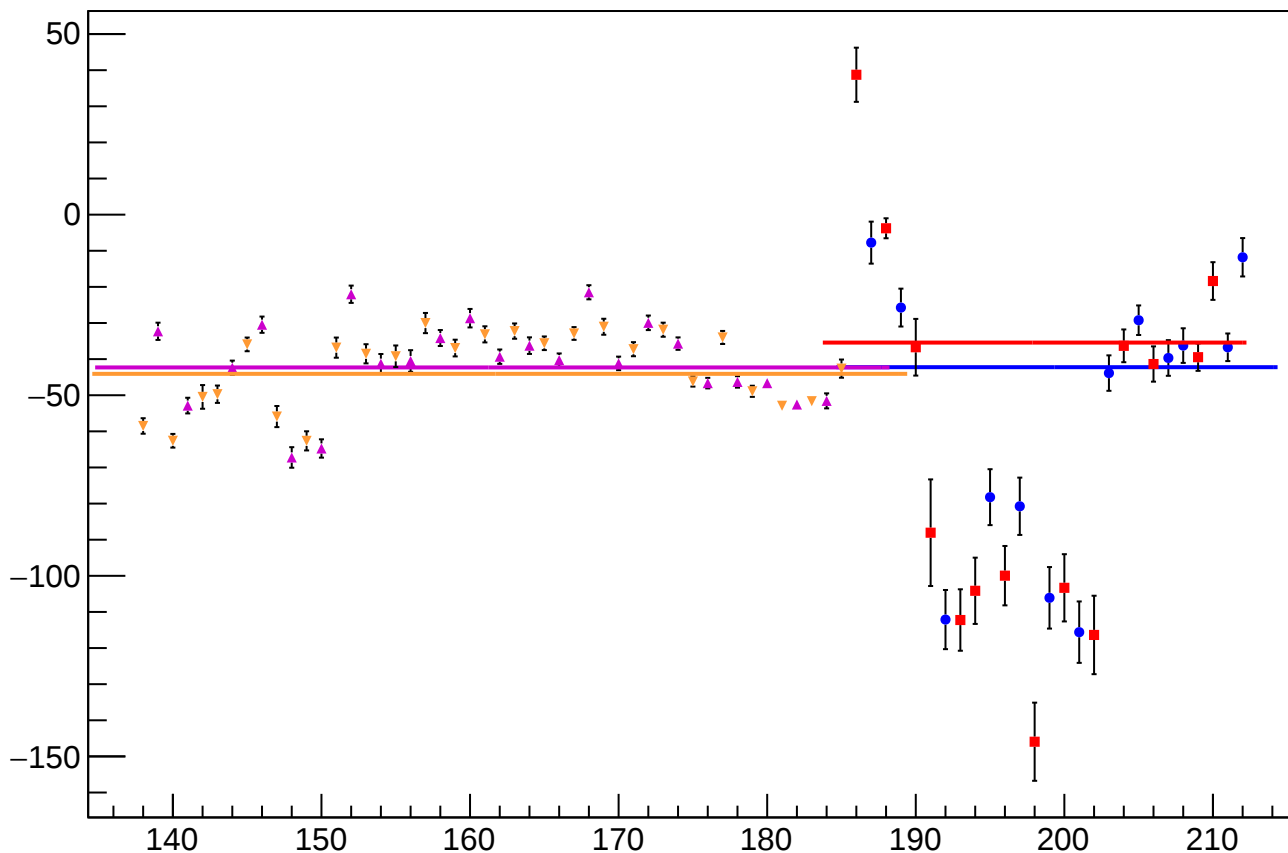
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.448 ± 0.002 χ^2/NDF : 1997.9/54

All: 0.442 ± 0.002 χ^2/NDF : 4880.4/110

- sign 0.437 ± 0.002 χ^2/NDF : 2873.6/55

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -42.232 ± 1.524 χ^2/NDF : 340.6/12

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -35.422 ± 1.515 χ^2/NDF : 667.2/13

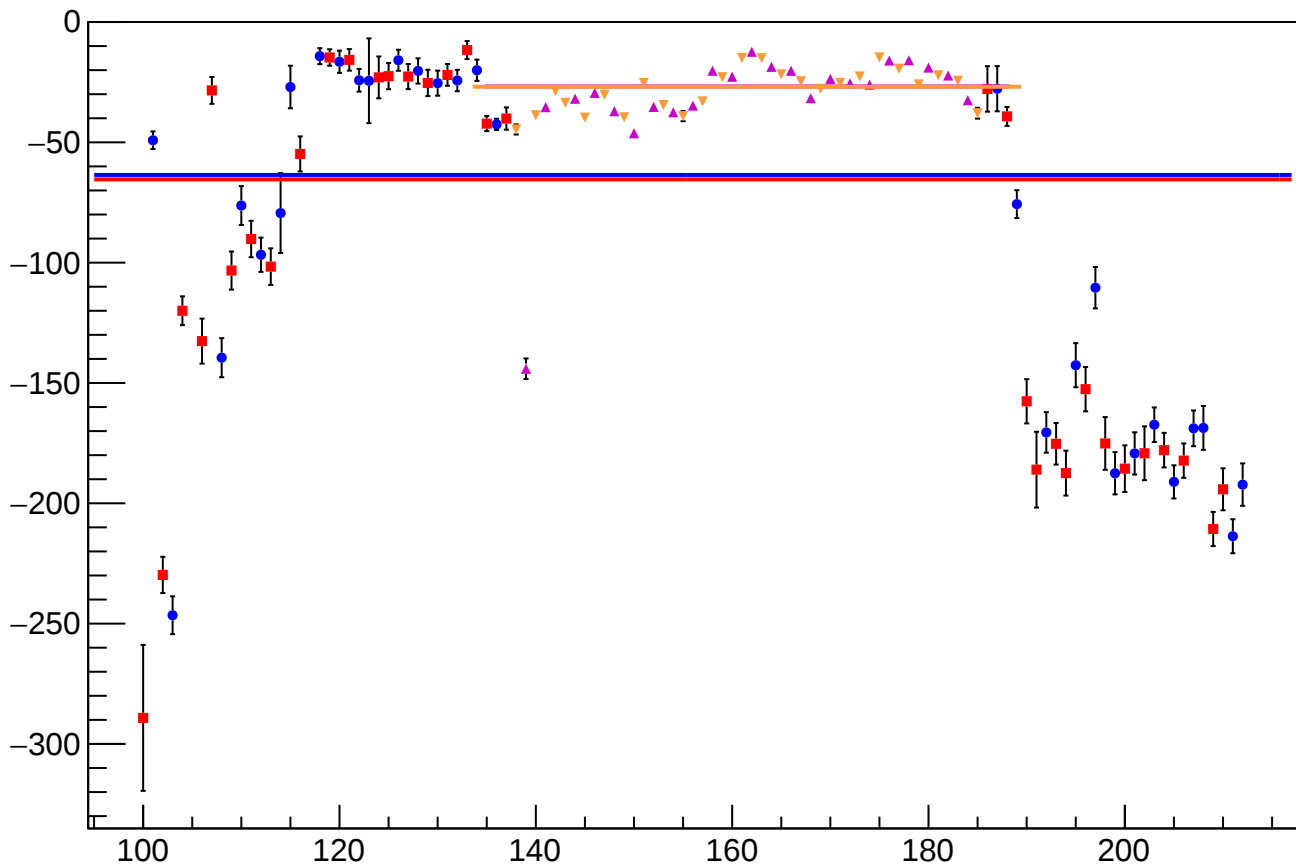
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.965 ± 0.377 χ^2/NDF : 974.5/37

All: -42.937 ± 0.270 χ^2/NDF : 2316.9/74

- sign -41.857 ± 0.386 χ^2/NDF : 1327.1/36

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -63.547 ± 1.017 $\chi^2/\text{NDF}: 3790.6/29$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -65.407 ± 1.050 $\chi^2/\text{NDF}: 3847.5/32$

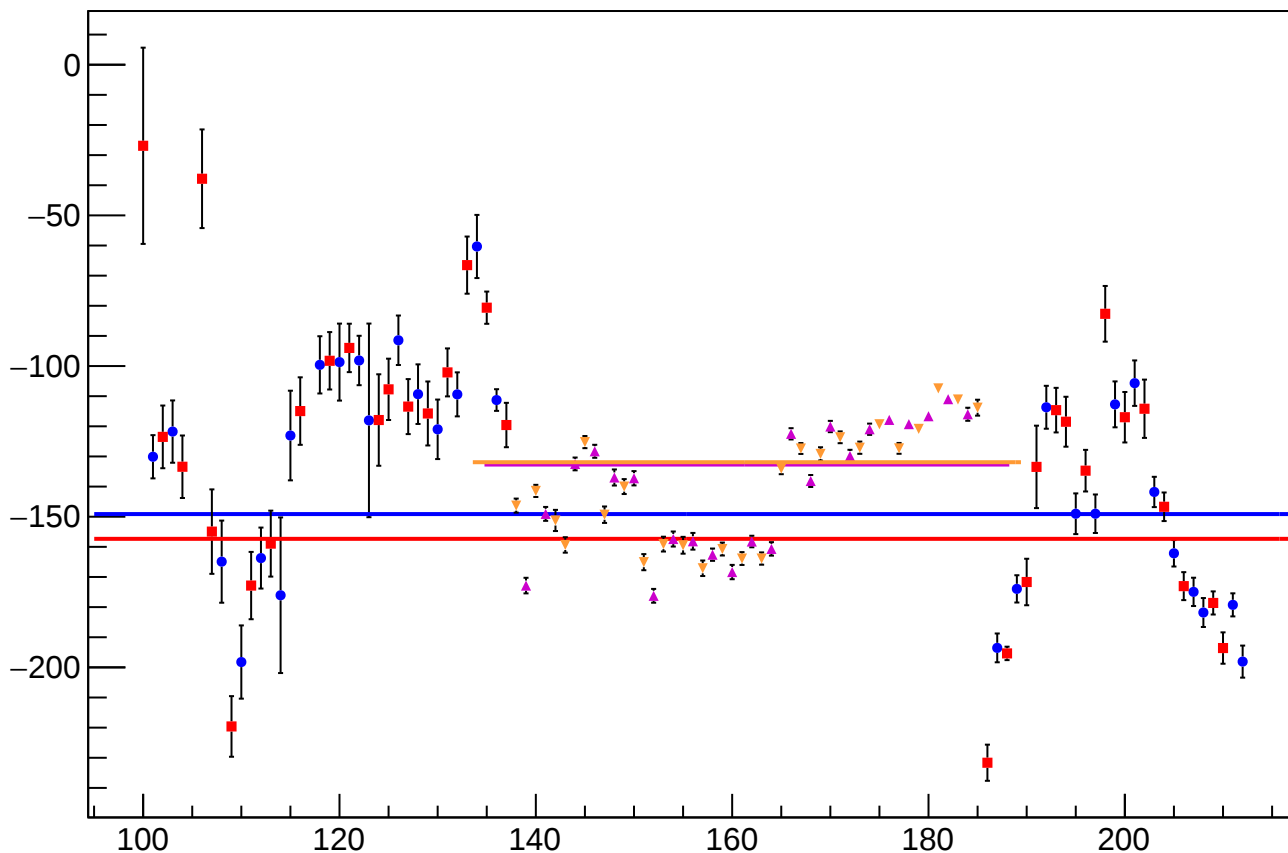
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -30.133 ± 0.302 $\chi^2/\text{NDF}: 5605.3/54$

All: -30.155 ± 0.217 $\chi^2/\text{NDF}: 12082.9/110$

- sign -30.179 ± 0.312 $\chi^2/\text{NDF}: 6477.7/55$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -149.125 ± 1.189 χ^2/NDF : 837.4/29

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -157.342 ± 1.161 χ^2/NDF : 1402.5/32

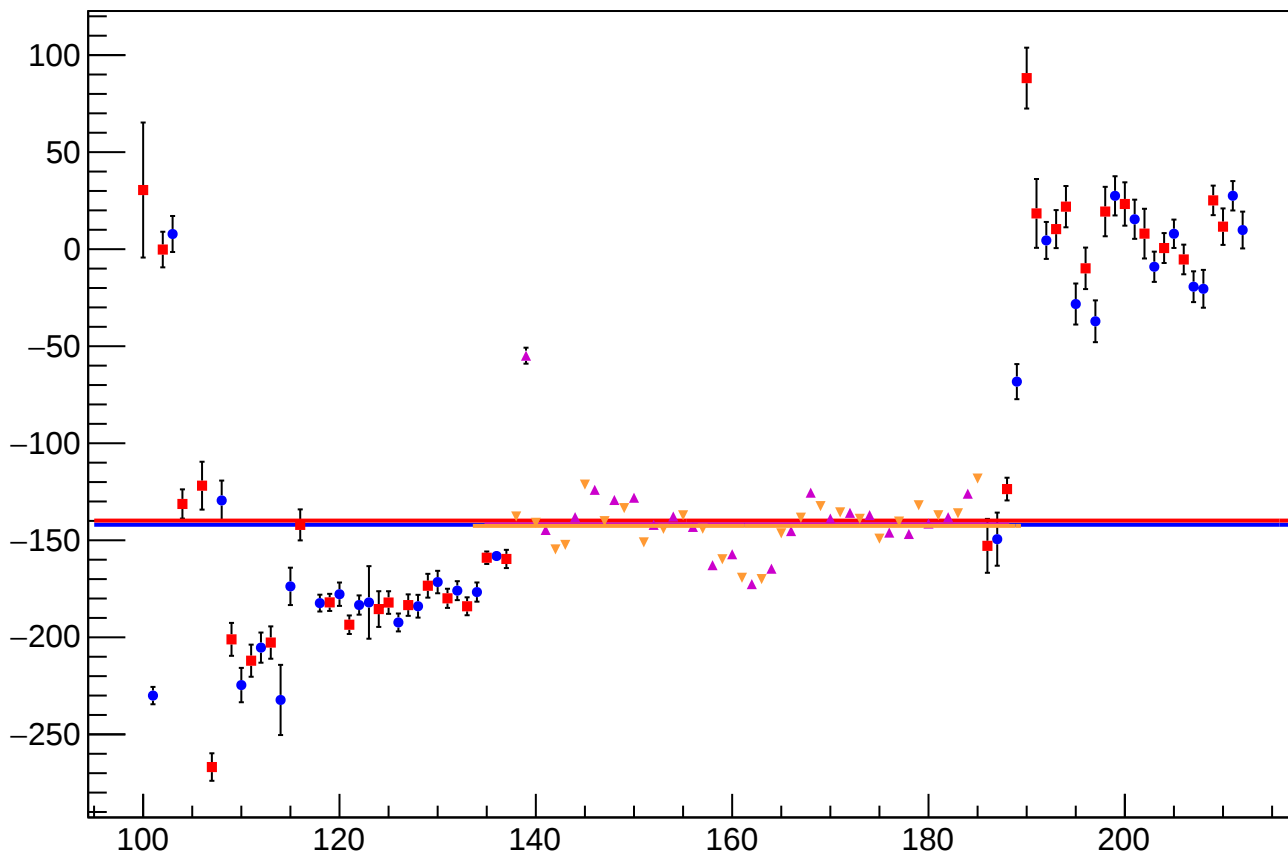
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -133.596 ± 0.372 χ^2/NDF : 3465.9/54

All: -134.434 ± 0.265 χ^2/NDF : 7762.0/110

- sign -135.298 ± 0.378 χ^2/NDF : 4285.8/55

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -141.993 ± 1.141 χ^2/NDF : 4279.7/29

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -139.847 ± 1.200 χ^2/NDF : 4151.6/32

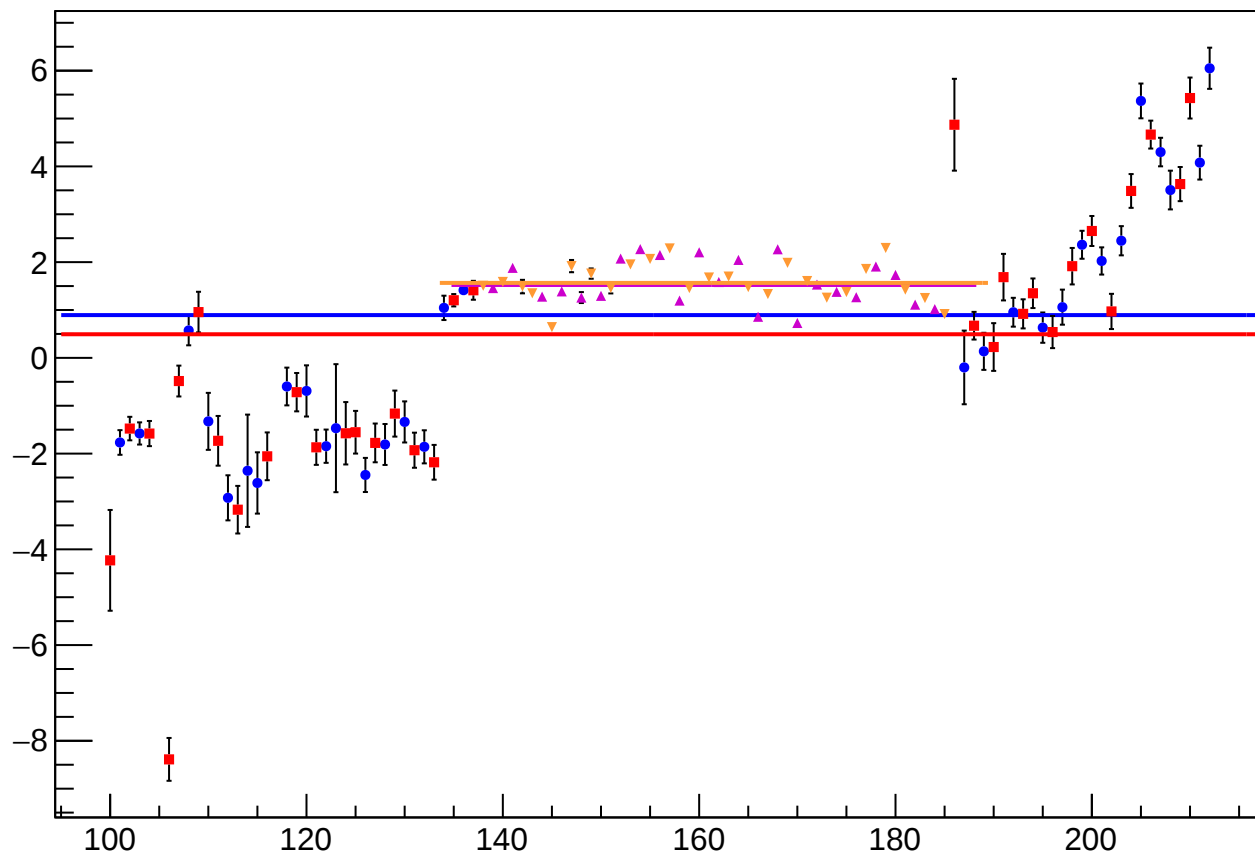
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -142.514 ± 0.338 χ^2/NDF : 5427.6/54

All: -142.113 ± 0.243 χ^2/NDF : 11128.9/110

- sign -141.687 ± 0.348 χ^2/NDF : 5698.4/55

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.894 ± 0.055 χ^2/NDF : 1297.2/29

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.493 ± 0.057 χ^2/NDF : 1511.9/32

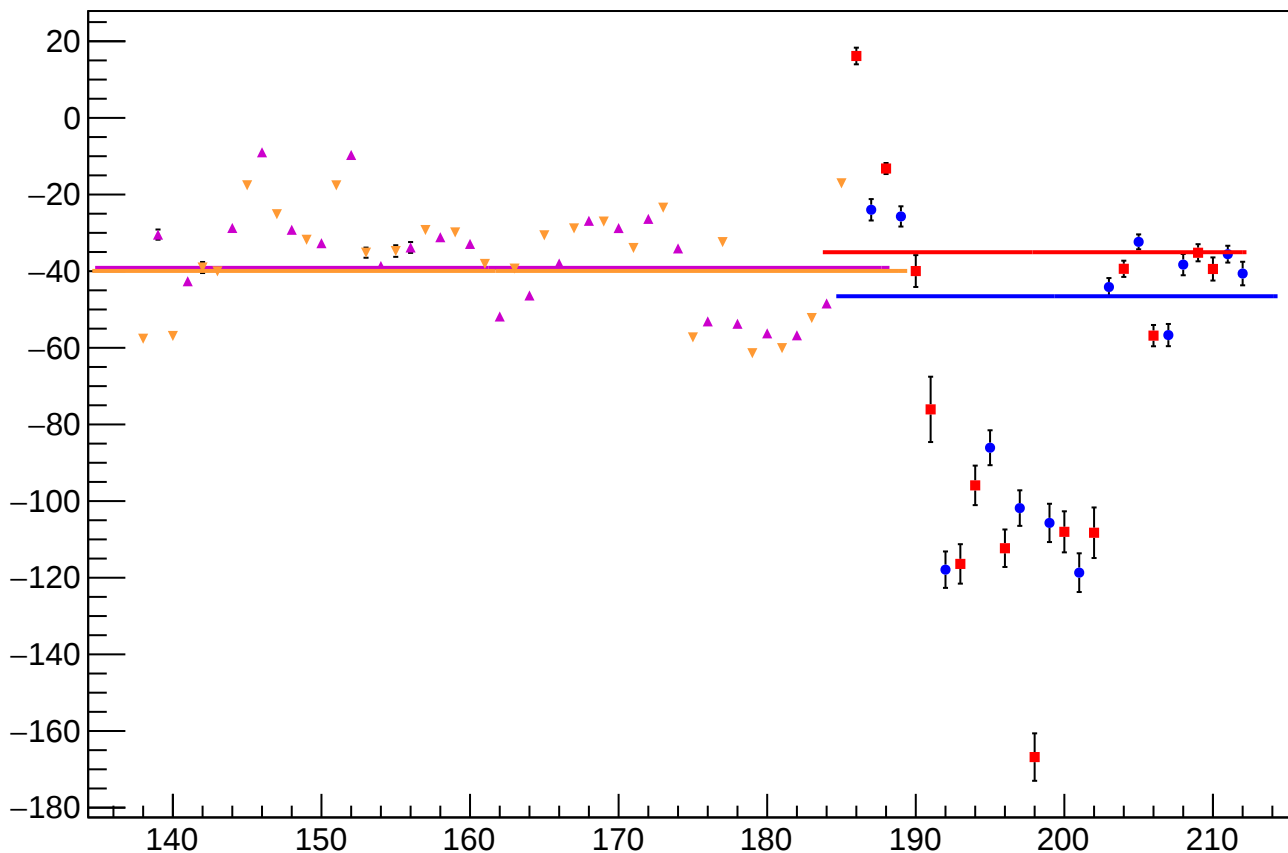
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.512 ± 0.016 χ^2/NDF : 1977.9/54

All: 1.479 ± 0.011 χ^2/NDF : 4536.6/110

- sign 1.444 ± 0.016 χ^2/NDF : 2549.1/55

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -46.543 ± 0.817 $\chi^2/\text{NDF}: 1017.8/12$

Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$

Right Out: -35.054 ± 0.783 $\chi^2/\text{NDF}: 2277.9/13$

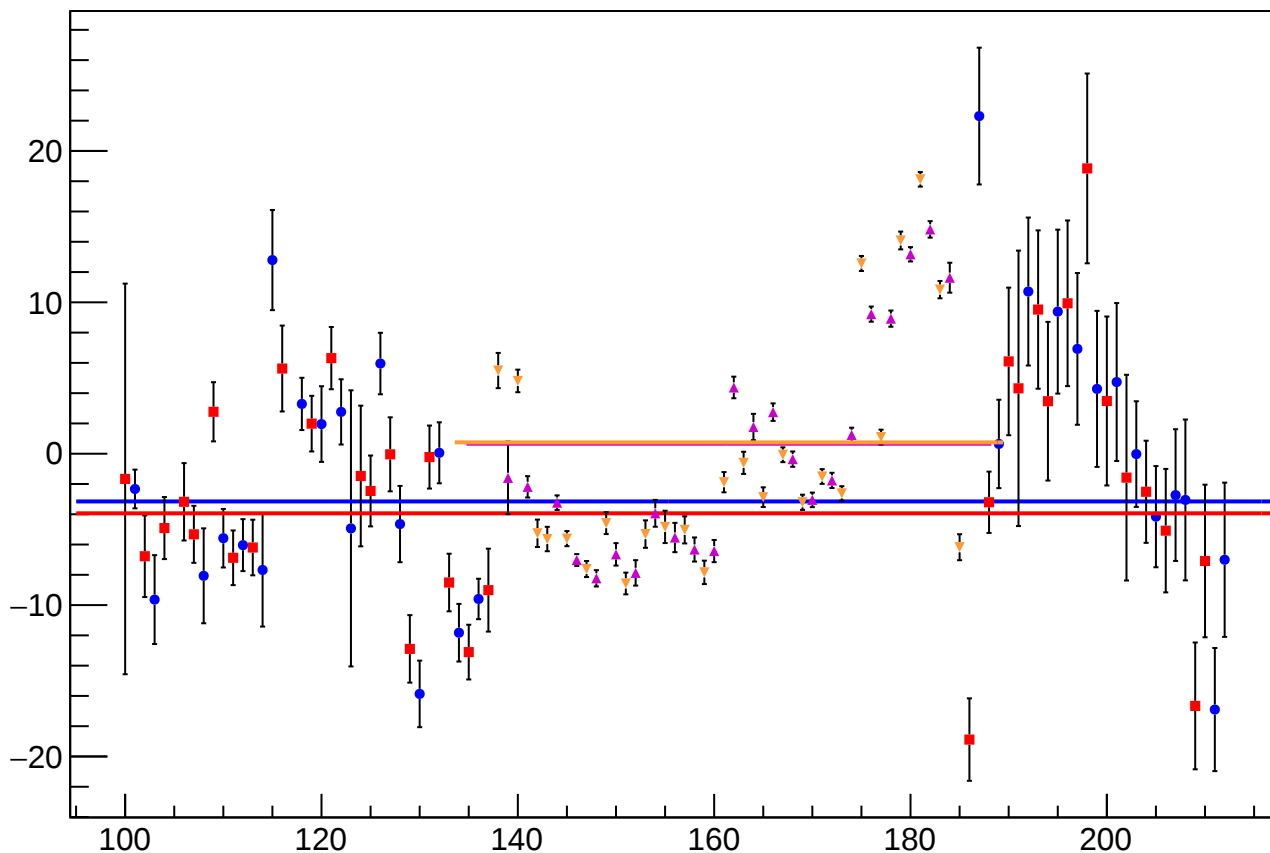
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -40.159 ± 0.151 $\chi^2/\text{NDF}: 10887.5/37$

All: -39.576 ± 0.107 $\chi^2/\text{NDF}: 21756.3/74$

- sign -38.984 ± 0.152 $\chi^2/\text{NDF}: 10838.5/36$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.153 ± 0.460 $\chi^2/\text{NDF}: 231.2/29$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.937 ± 0.459 $\chi^2/\text{NDF}: 197.4/32$

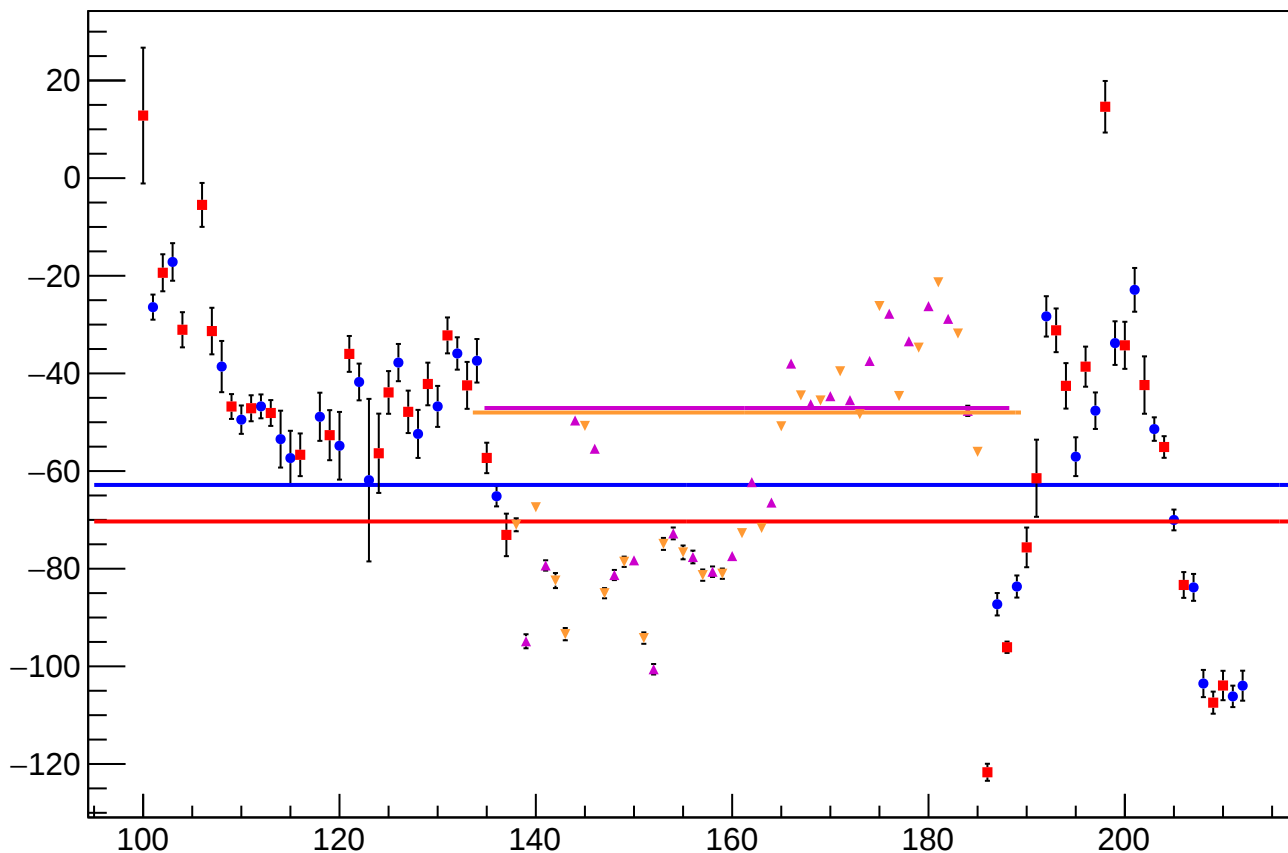
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.484 ± 0.120 $\chi^2/\text{NDF}: 4269.1/54$

All: 0.415 ± 0.085 $\chi^2/\text{NDF}: 7898.4/110$

- sign 0.346 ± 0.120 $\chi^2/\text{NDF}: 3628.6/55$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -62.843 ± 0.585 χ^2/NDF : 1914.1/29

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -70.325 ± 0.546 χ^2/NDF : 3554.8/32

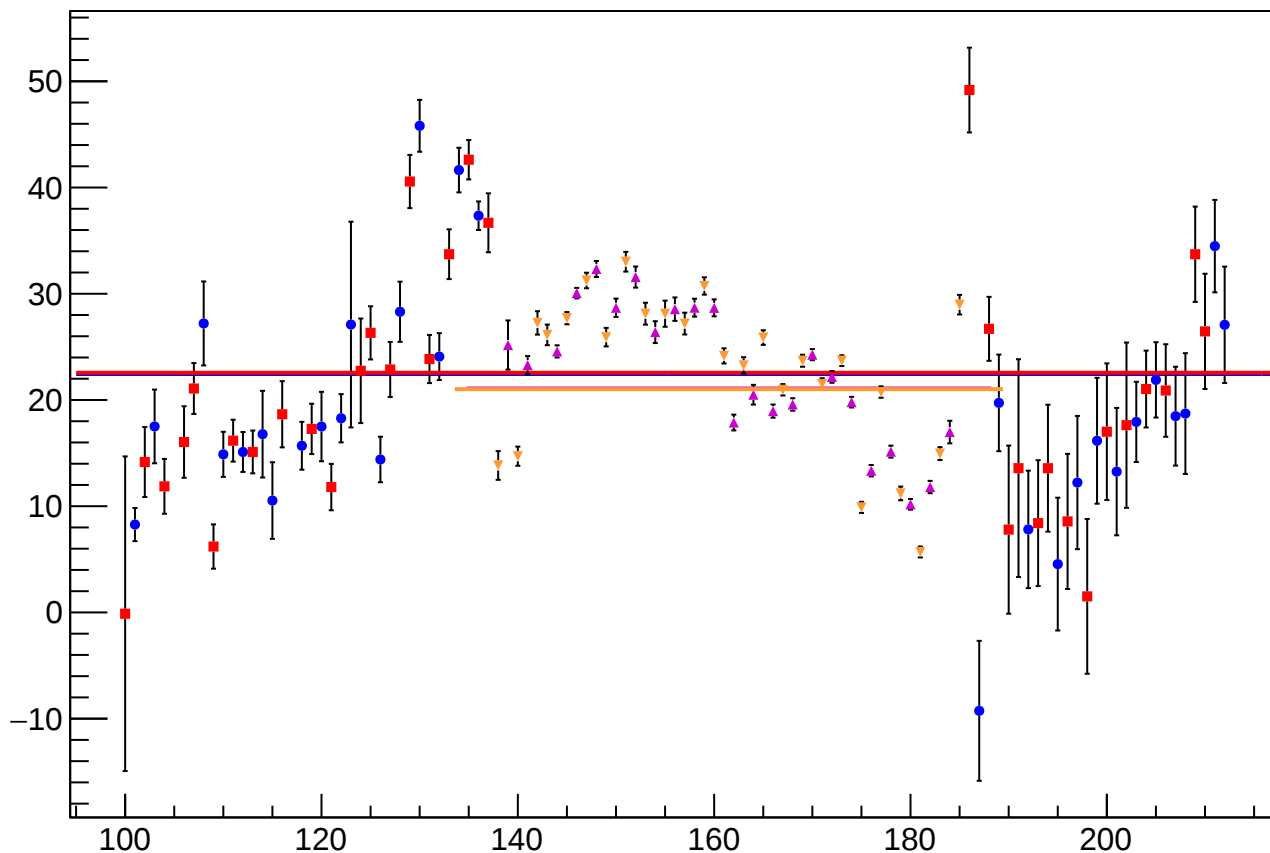
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.977 ± 0.150 χ^2/NDF : 19465.1/54

All: -48.902 ± 0.106 χ^2/NDF : 40213.3/110

- sign -48.827 ± 0.149 χ^2/NDF : 20747.7/55

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.445 ± 0.519 $\chi^2/\text{NDF}: 514.5/29$

Left Out: 21.020 ± 0.139 $\chi^2/\text{NDF}: 2799.3/24$

Right Out: 22.560 ± 0.528 $\chi^2/\text{NDF}: 446.5/32$

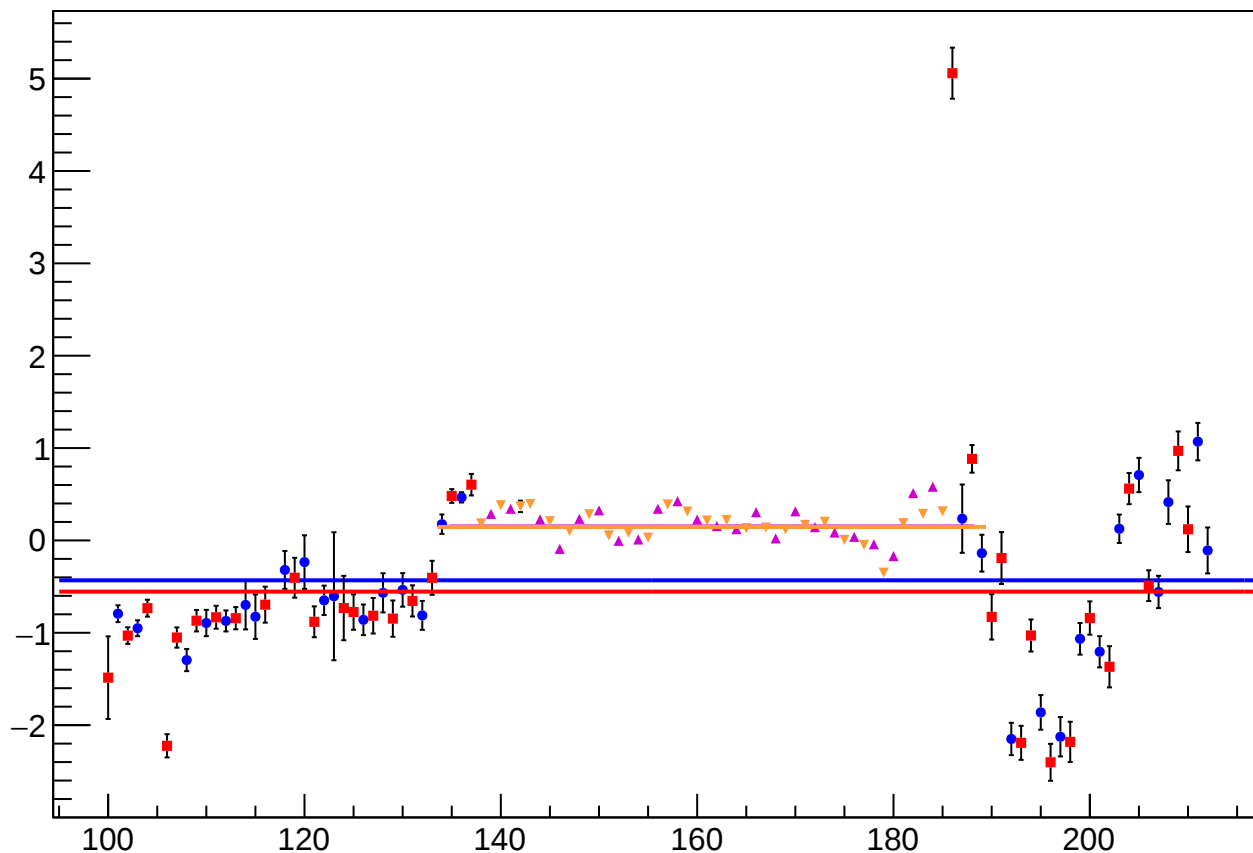
Left In: 21.079 ± 0.140 $\chi^2/\text{NDF}: 2173.2/22$

+ sign 21.115 ± 0.134 $\chi^2/\text{NDF}: 3320.8/54$

All: 21.145 ± 0.095 $\chi^2/\text{NDF}: 5948.0/110$

- sign 21.176 ± 0.135 $\chi^2/\text{NDF}: 2627.0/55$

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.432 ± 0.026 $\chi^2/\text{NDF}: 819.8/29$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.554 ± 0.026 $\chi^2/\text{NDF}: 1408.8/32$

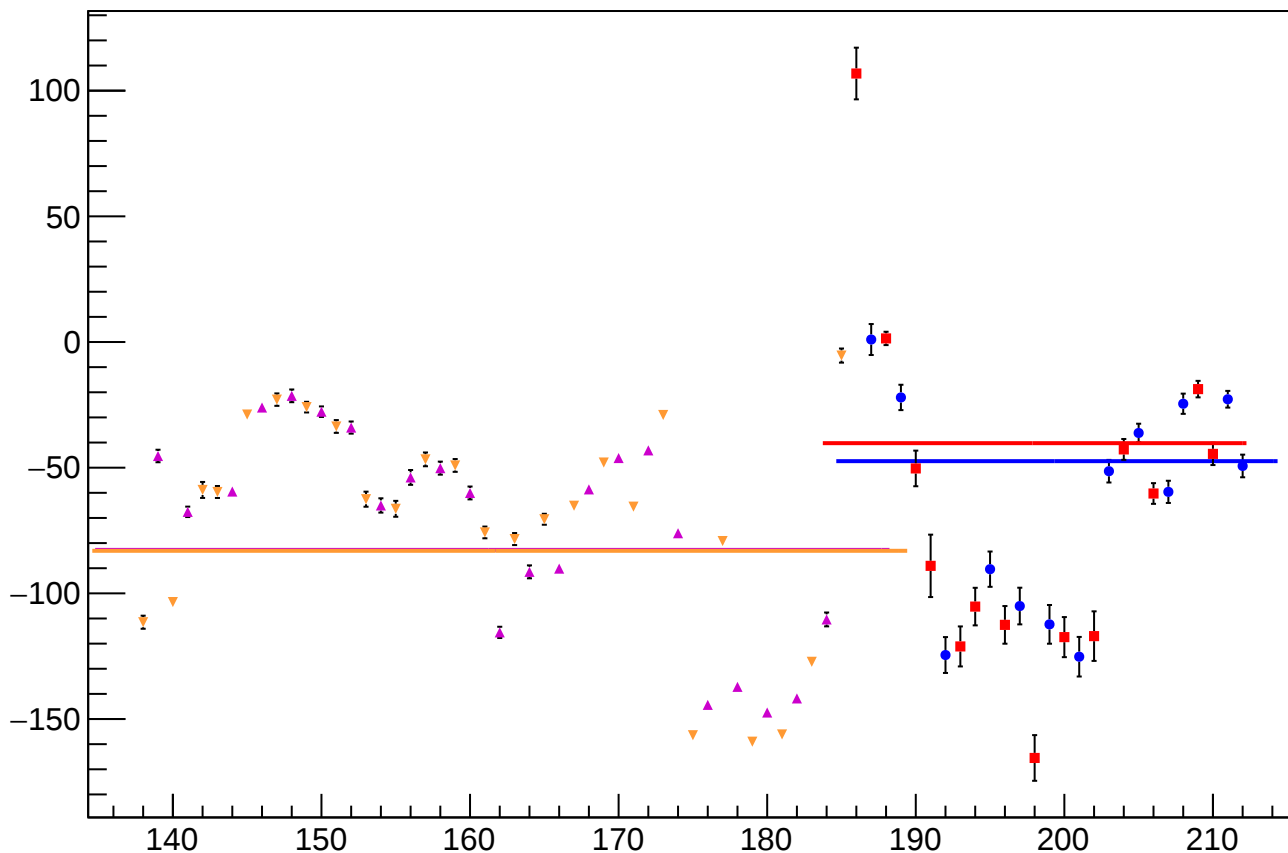
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.115 ± 0.006 $\chi^2/\text{NDF}: 1887.1/54$

All: 0.113 ± 0.004 $\chi^2/\text{NDF}: 4846.7/110$

- sign 0.112 ± 0.006 $\chi^2/\text{NDF}: 2959.5/55$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -47.400 ± 1.369 $\chi^2/\text{NDF}: 577.4/12$

Left Out: -83.068 ± 0.406 $\chi^2/\text{NDF}: 13817.3/24$

Right Out: -40.244 ± 1.376 $\chi^2/\text{NDF}: 1152.9/13$

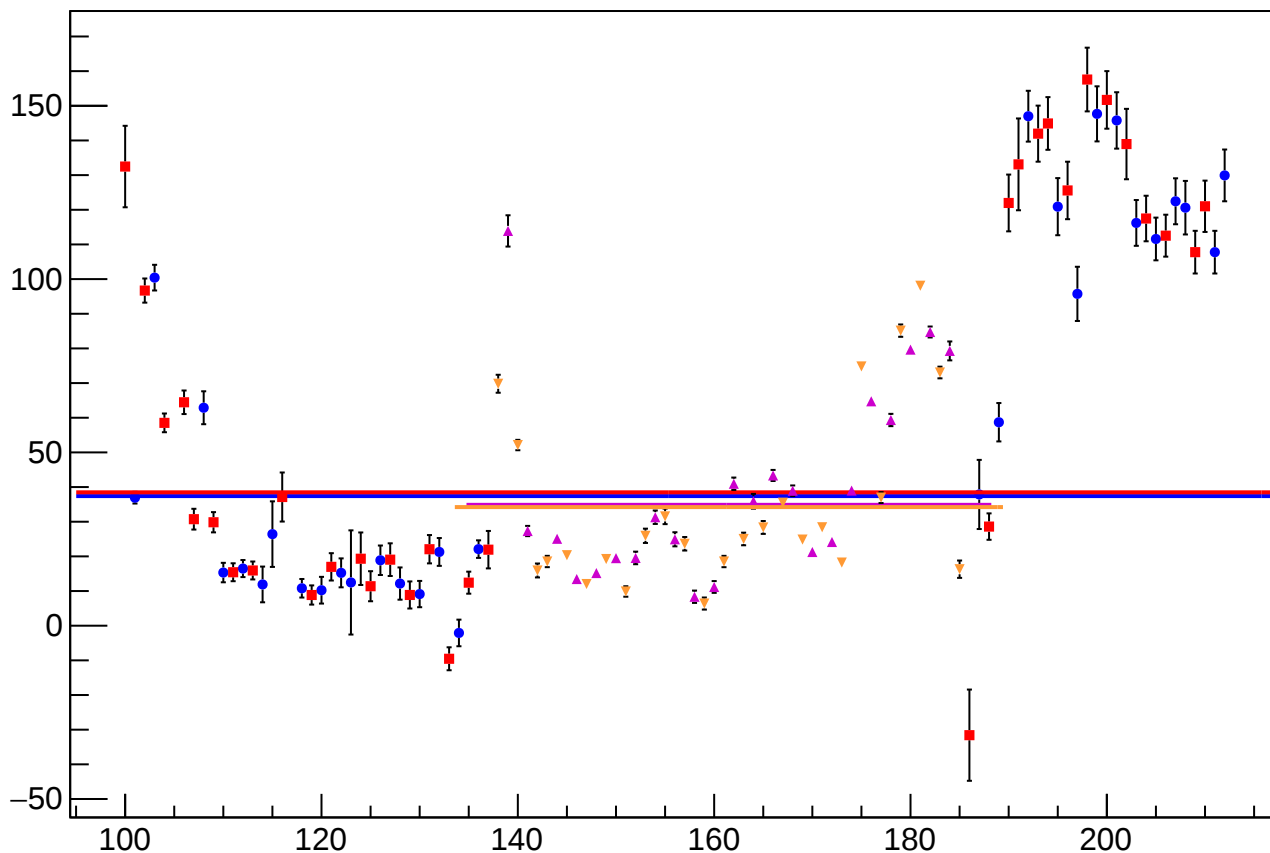
Left In: -82.711 ± 0.415 $\chi^2/\text{NDF}: 10841.4/22$

+ sign -80.181 ± 0.390 $\chi^2/\text{NDF}: 15018.4/37$

All: -79.685 ± 0.278 $\chi^2/\text{NDF}: 27889.0/74$

- sign -79.168 ± 0.397 $\chi^2/\text{NDF}: 12867.4/36$

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 37.396 ± 0.747 $\chi^2/\text{NDF}: 2538.5/29$

Left Out: 34.219 ± 0.320 $\chi^2/\text{NDF}: 6192.6/24$

Right Out: 38.481 ± 0.746 $\chi^2/\text{NDF}: 2851.7/32$

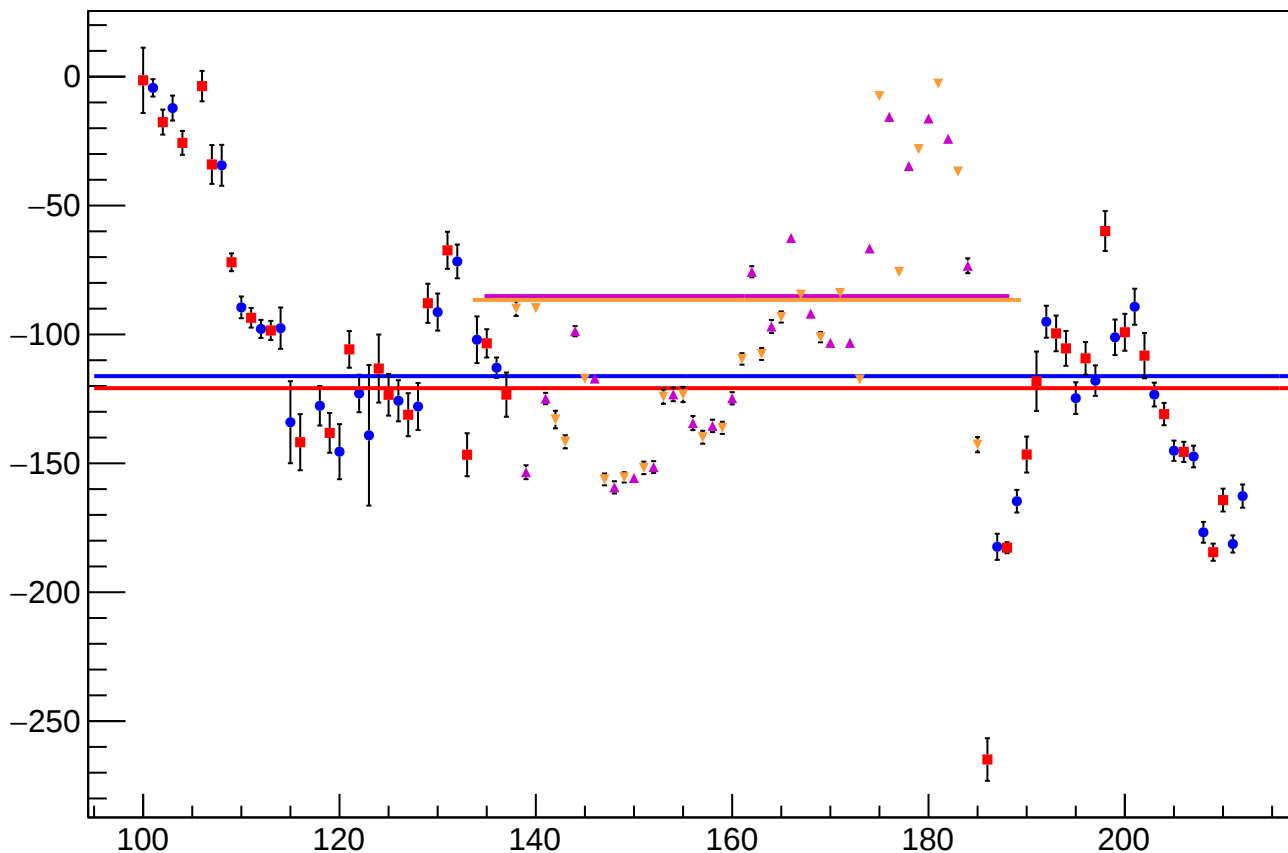
Left In: 34.870 ± 0.329 $\chi^2/\text{NDF}: 4716.1/22$

+ sign 34.712 ± 0.294 $\chi^2/\text{NDF}: 8746.3/54$

All: 35.076 ± 0.211 $\chi^2/\text{NDF}: 16336.9/110$

- sign 35.458 ± 0.301 $\chi^2/\text{NDF}: 7587.4/55$

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -116.178 ± 0.962 $\chi^2/\text{NDF}: 2972.3/29$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -120.843 ± 0.920 $\chi^2/\text{NDF}: 3636.2/32$

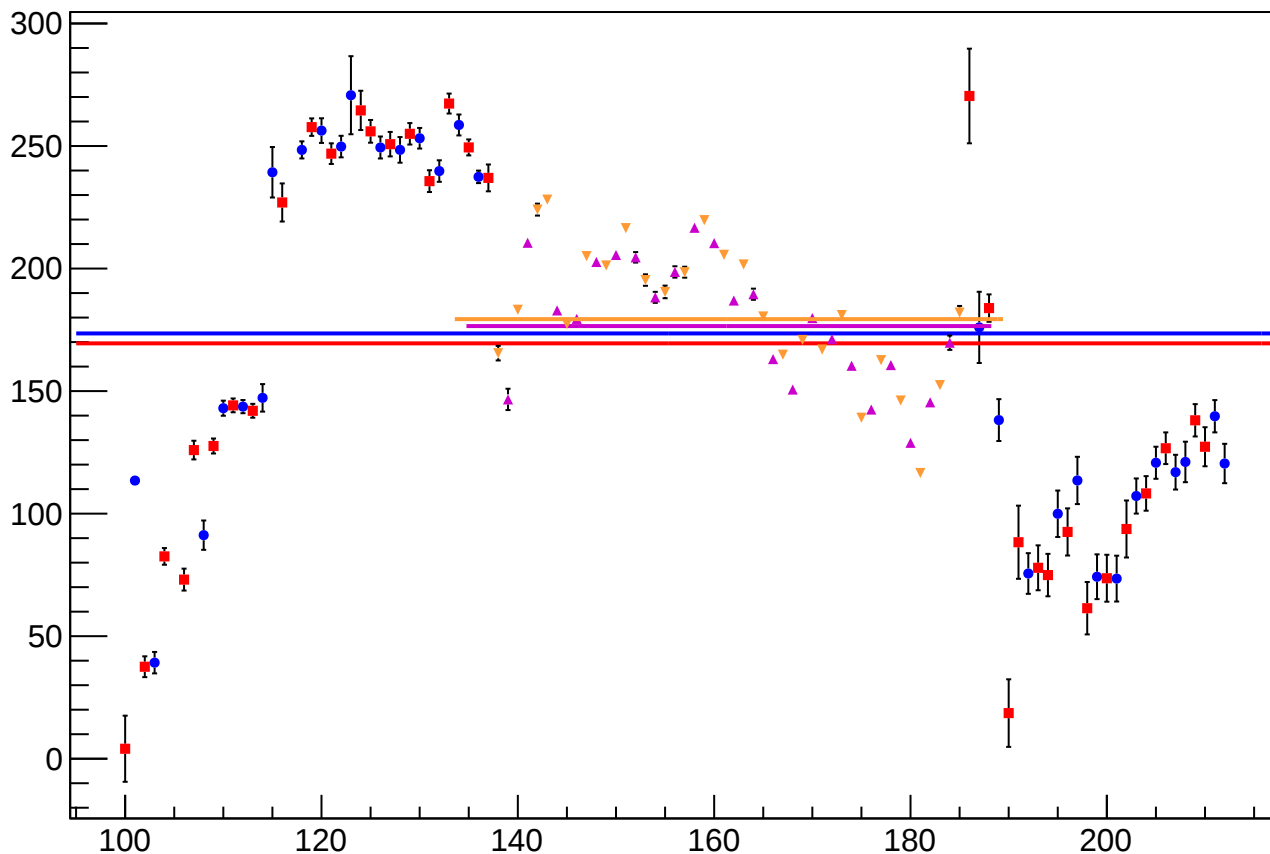
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -91.109 ± 0.376 $\chi^2/\text{NDF}: 18288.5/54$

All: -91.143 ± 0.267 $\chi^2/\text{NDF}: 36018.7/110$

- sign -91.176 ± 0.378 $\chi^2/\text{NDF}: 17730.2/55$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 173.528 $\pm$ 0.853 χ^2 /NDF: 6247.3/29

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 169.480 $\pm$ 0.858 χ^2 /NDF: 7299.8/32

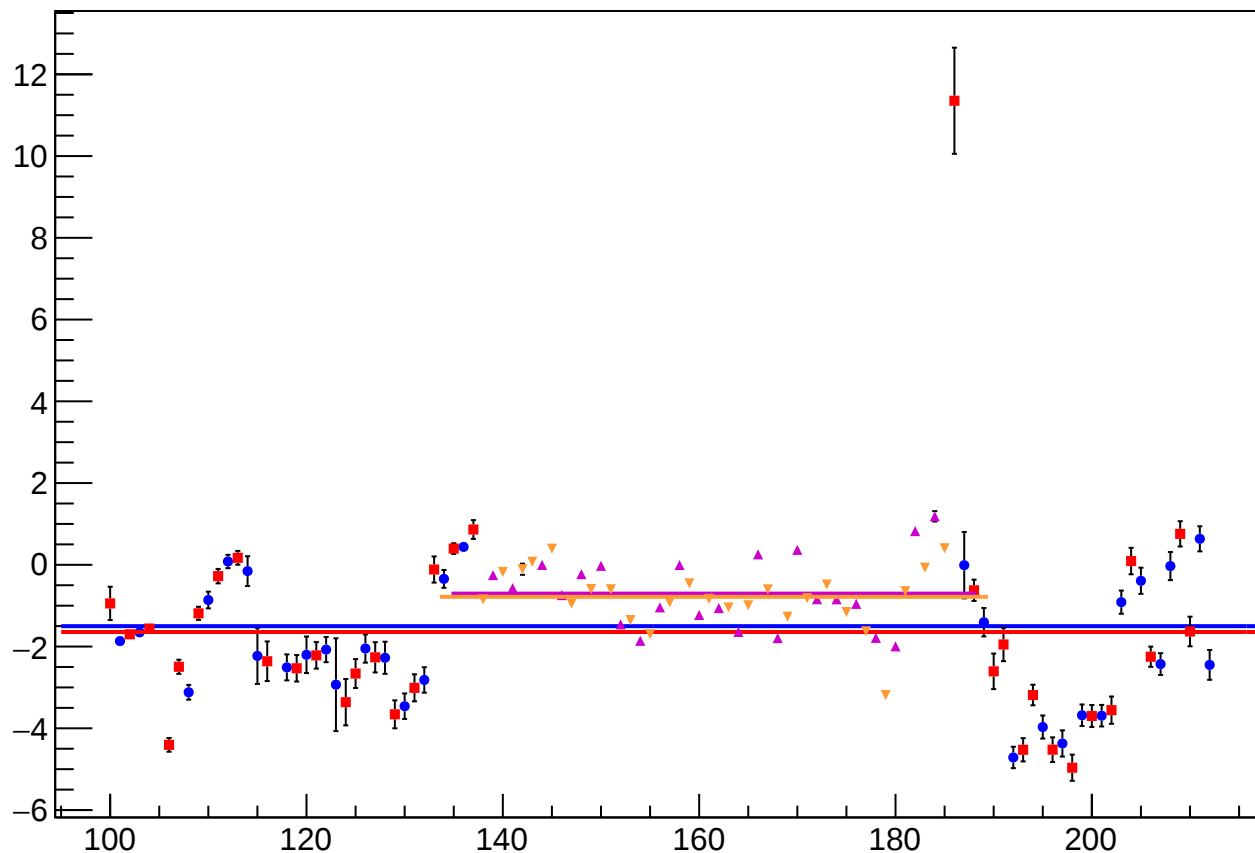
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 178.469 $\pm$ 0.333 χ^2 /NDF: 12269.1/54

All: 176.978 $\pm$ 0.238 χ^2 /NDF: 24092.8/110

- sign 175.421 $\pm$ 0.340 χ^2 /NDF: 11782.7/55

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.501 ± 0.042 χ^2/NDF : 1209.9/29

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.644 ± 0.040 χ^2/NDF : 1596.2/32

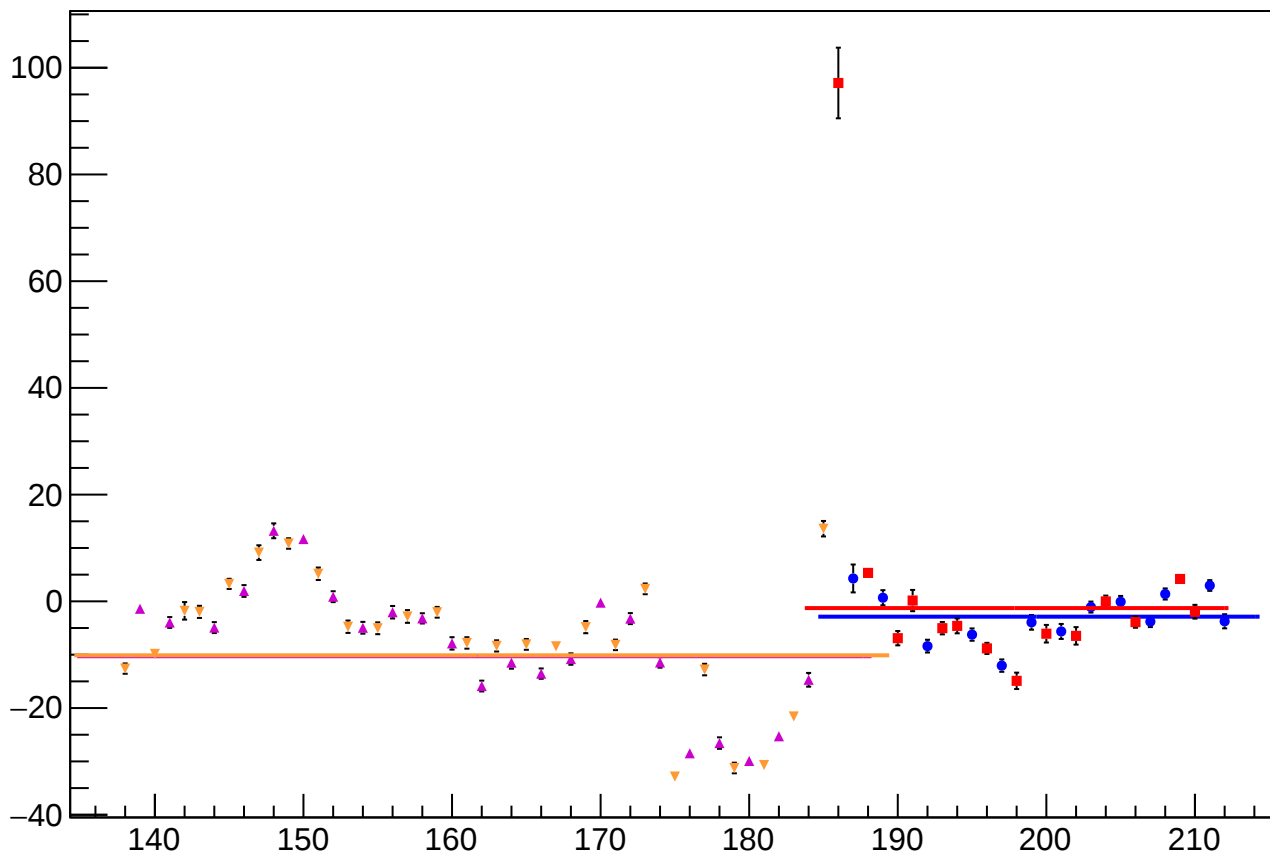
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.881 ± 0.015 χ^2/NDF : 3234.4/54

All: -0.863 ± 0.011 χ^2/NDF : 7703.9/110

- sign -0.846 ± 0.016 χ^2/NDF : 4467.0/55

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -2.874 ± 0.333 $\chi^2/\text{NDF}: 171.3/12$

Left Out: -10.117 ± 0.201 $\chi^2/\text{NDF}: 4138.1/24$

Right Out: -1.265 ± 0.312 $\chi^2/\text{NDF}: 558.1/13$

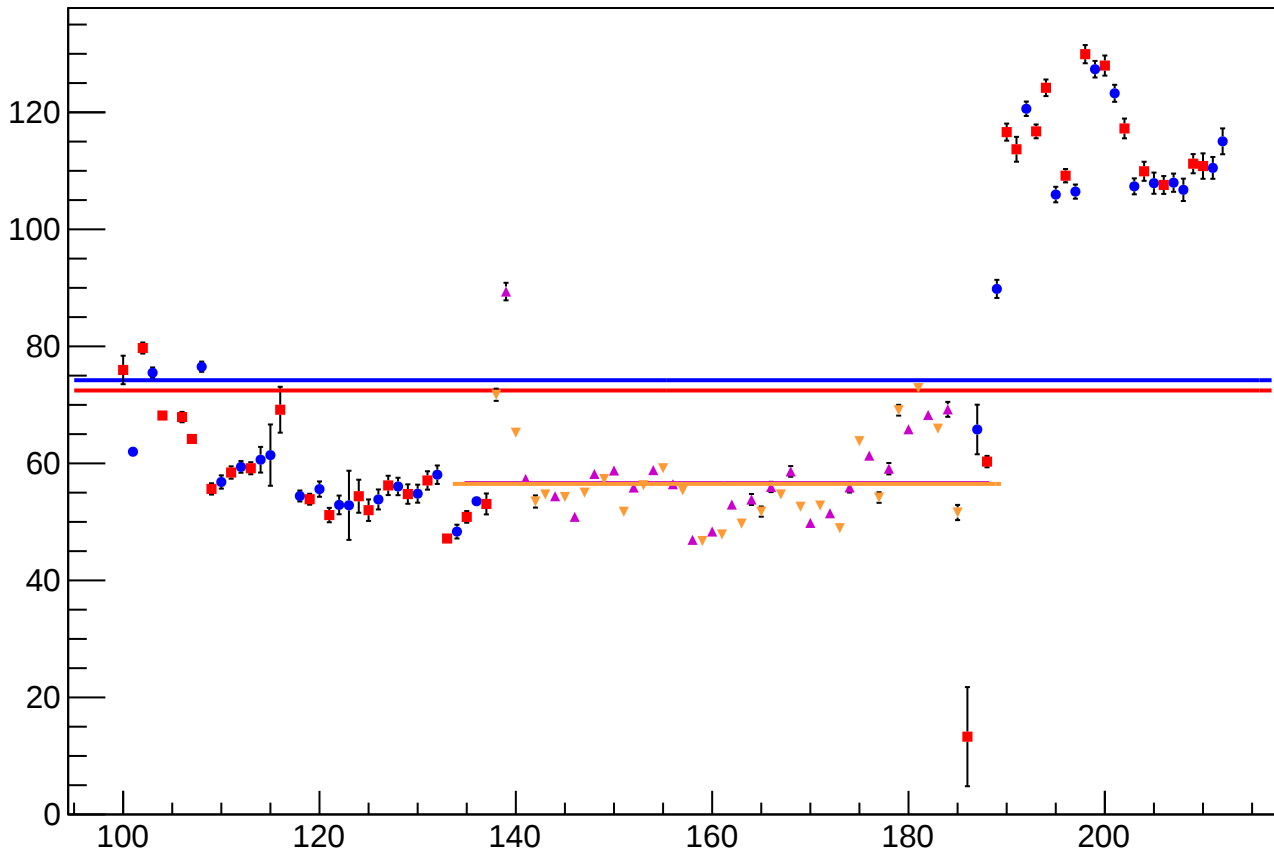
Left In: -10.290 ± 0.205 $\chi^2/\text{NDF}: 3451.0/22$

+ sign -8.173 ± 0.172 $\chi^2/\text{NDF}: 4656.6/37$

All: -7.867 ± 0.122 $\chi^2/\text{NDF}: 9255.1/74$

- sign -7.564 ± 0.172 $\chi^2/\text{NDF}: 4592.2/36$

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 74.215 ± 0.225 χ^2/NDF : 11356.4/29

Left Out: 56.496 ± 0.159 χ^2/NDF : 1968.0/24

Right Out: 72.460 ± 0.211 χ^2/NDF : 14396.7/32

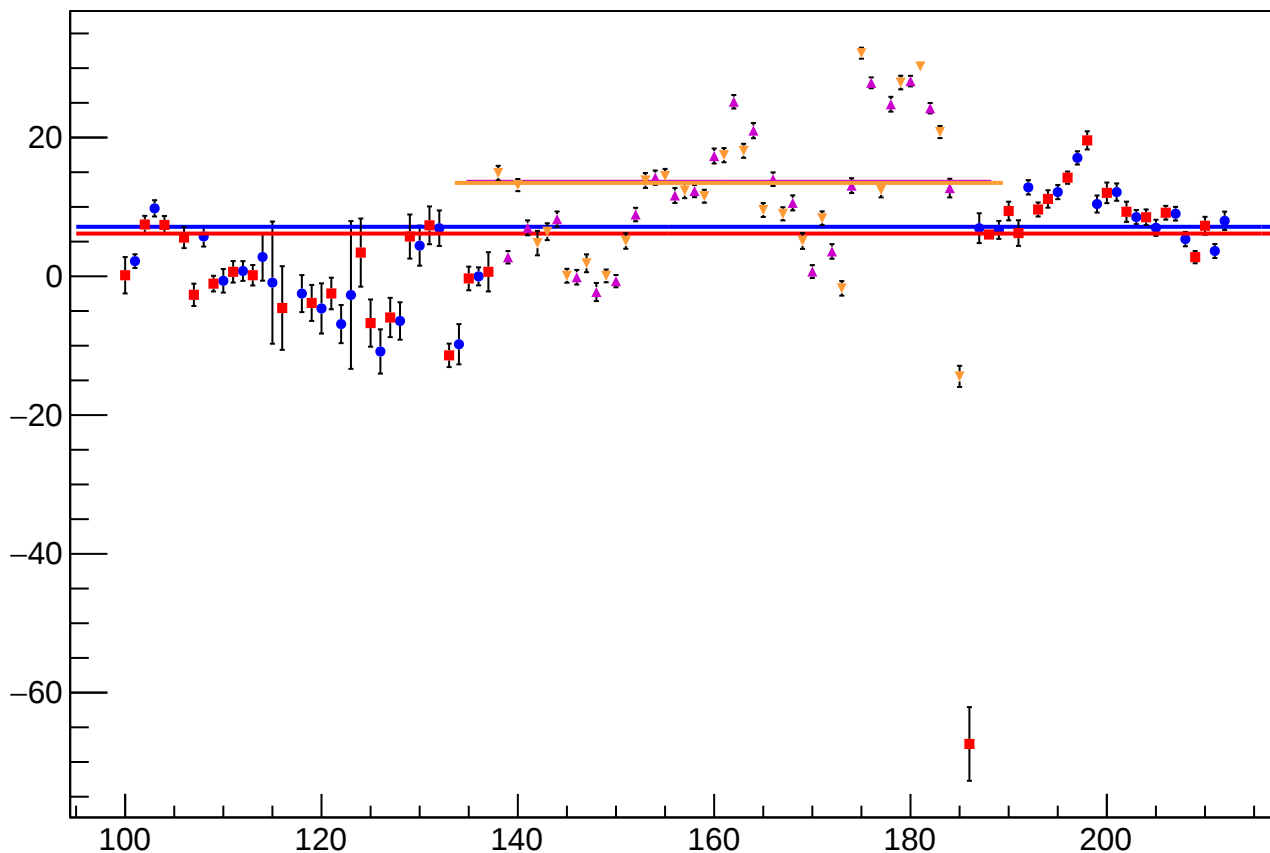
Left In: 56.635 ± 0.165 χ^2/NDF : 1607.9/22

+ sign 62.400 ± 0.130 χ^2/NDF : 17469.1/54

All: 62.526 ± 0.092 χ^2/NDF : 36967.7/110

- sign 62.652 ± 0.130 χ^2/NDF : 19496.7/55

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.135 ± 0.258 χ^2/NDF : 453.0/29

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.159 ± 0.234 χ^2/NDF : 762.0/32

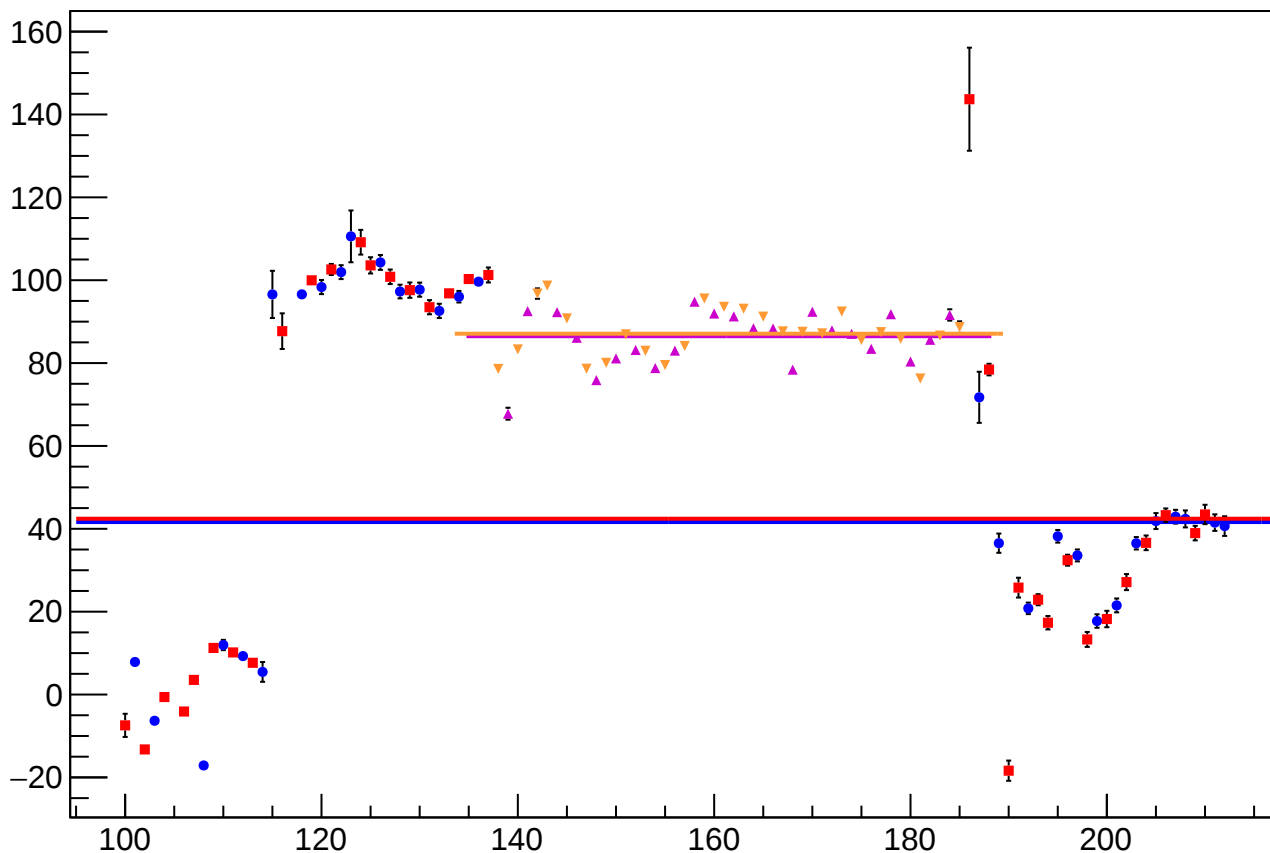
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.065 ± 0.159 χ^2/NDF : 3563.0/54

All: 10.721 ± 0.111 χ^2/NDF : 7224.8/110

- sign 10.397 ± 0.154 χ^2/NDF : 3652.7/55

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 41.629 $\pm$ 0.259 χ^2 /NDF: 25471.4/29

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 42.436 $\pm$ 0.248 χ^2 /NDF: 30761.2/32

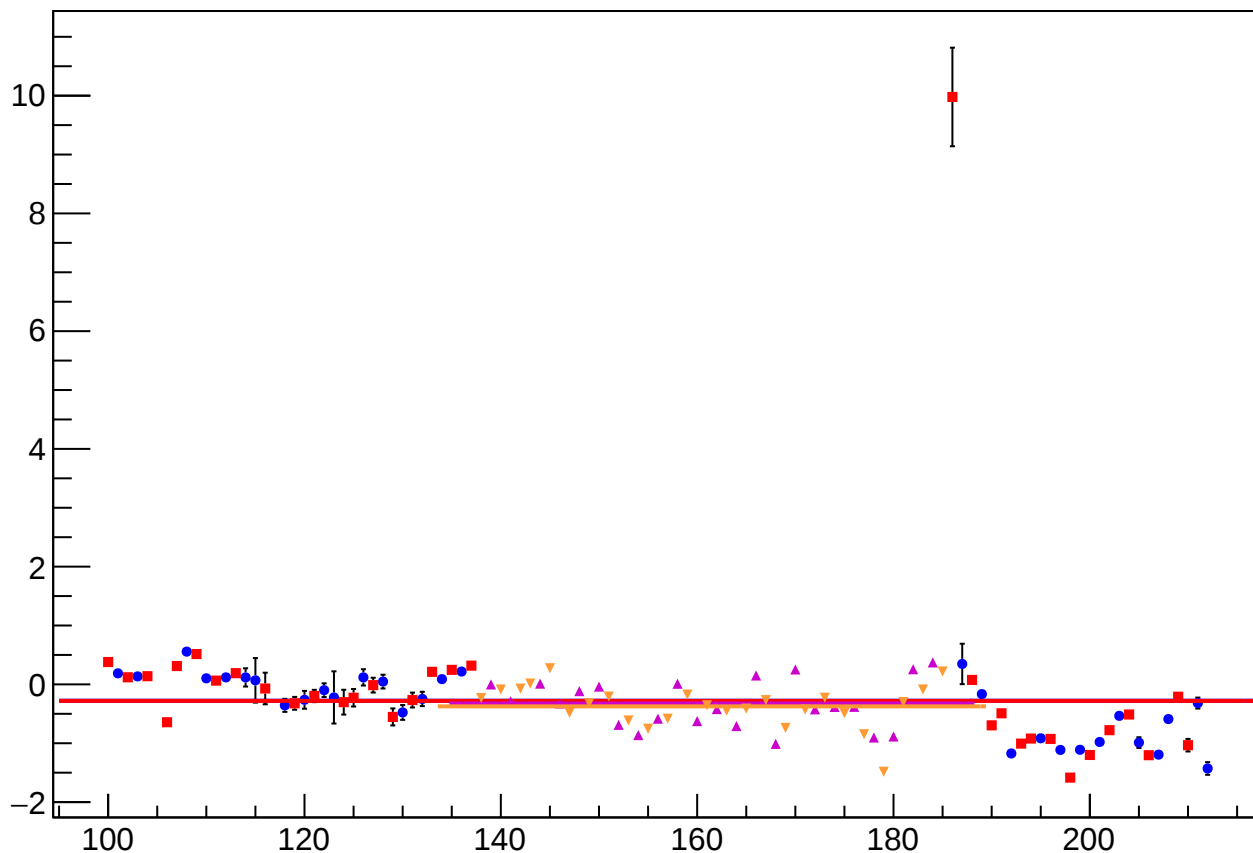
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 72.410 $\pm$ 0.147 χ^2 /NDF: 47360.7/54

All: 71.579 $\pm$ 0.104 χ^2 /NDF: 99533.8/110

- sign 70.740 $\pm$ 0.148 χ^2 /NDF: 52109.1/55

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.277 ± 0.011 χ^2/NDF : 3309.5/29

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.281 ± 0.010 χ^2/NDF : 3608.0/32

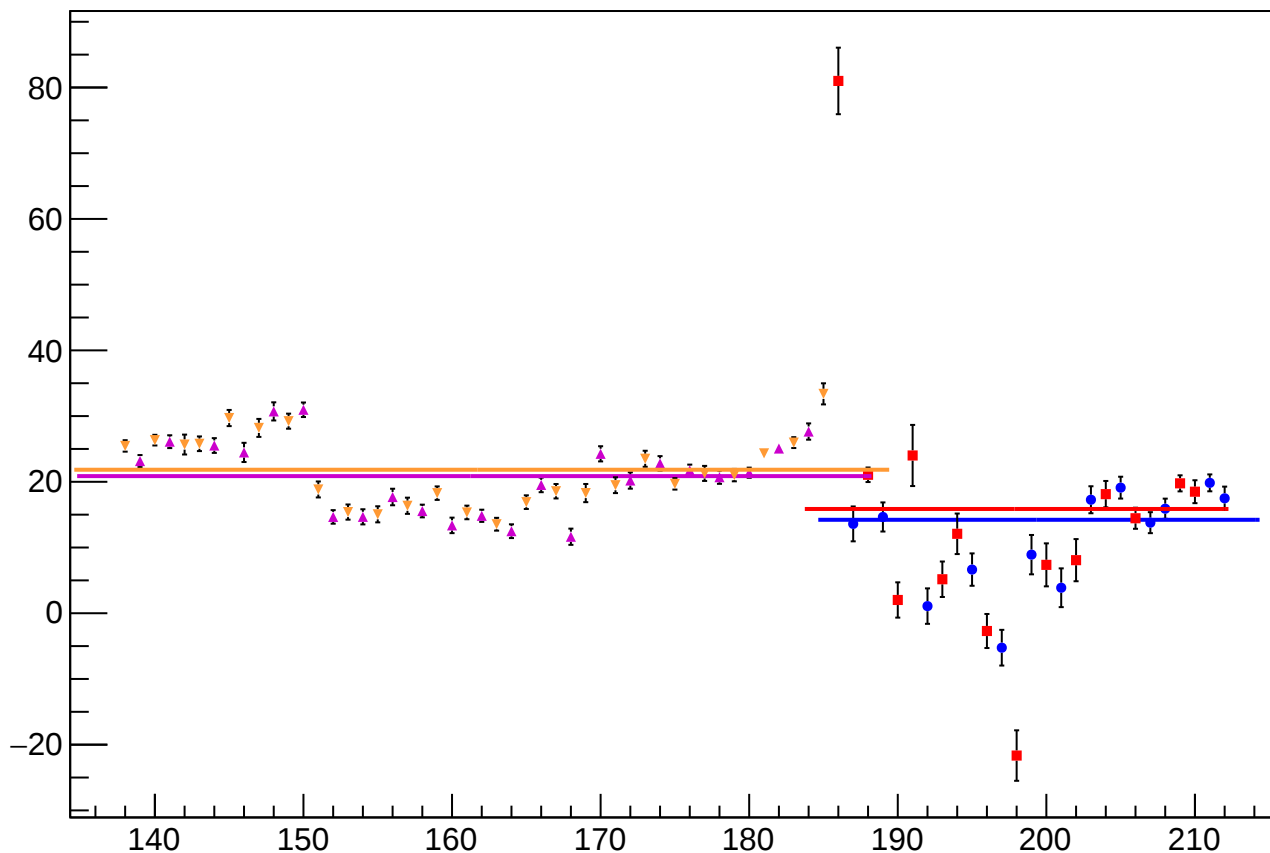
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.338 ± 0.006 χ^2/NDF : 5029.1/54

All: -0.323 ± 0.005 χ^2/NDF : 10944.6/110

- sign -0.307 ± 0.006 χ^2/NDF : 5903.9/55

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 14.220 ± 0.547 $\chi^2/\text{NDF}: 134.7/12$

Left Out: 21.836 ± 0.210 $\chi^2/\text{NDF}: 524.3/24$

Right Out: 15.866 ± 0.548 $\chi^2/\text{NDF}: 408.5/13$

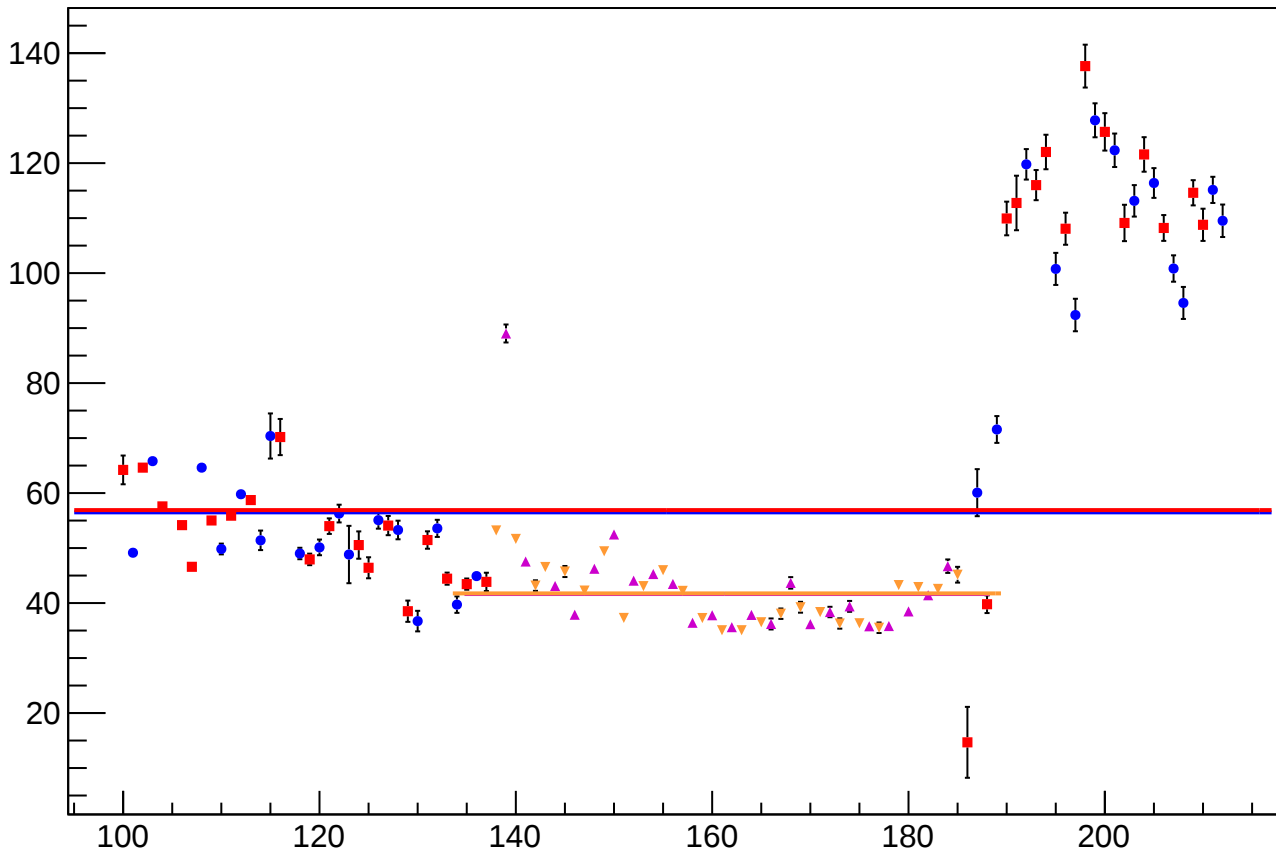
Left In: 20.866 ± 0.217 $\chi^2/\text{NDF}: 576.9/22$

+ sign 20.858 ± 0.196 $\chi^2/\text{NDF}: 828.3/37$

All: 20.534 ± 0.140 $\chi^2/\text{NDF}: 1891.2/74$

- sign 20.191 ± 0.201 $\chi^2/\text{NDF}: 1057.3/36$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.494 $\pm$ 0.204 χ^2 /NDF: 5734.7/29

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF: 1015.7/24

Right Out: 56.903 $\pm$ 0.217 χ^2 /NDF: 5850.9/32

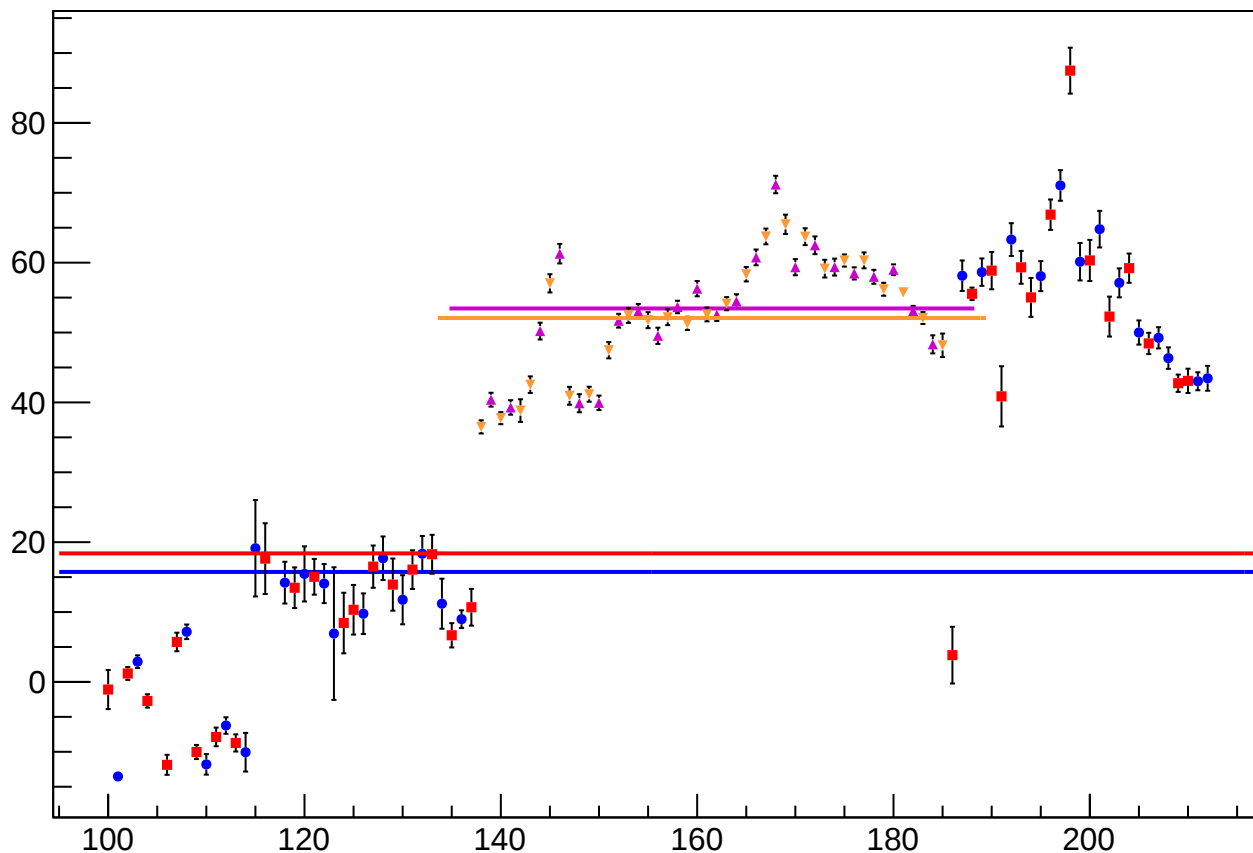
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF: 1611.0/22

+ sign 47.609 $\pm$ 0.128 χ^2 /NDF: 9904.5/54

All: 47.603 $\pm$ 0.093 χ^2 /NDF: 20374.8/110

- sign 47.596 $\pm$ 0.136 χ^2 /NDF: 10470.3/55

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.741 $\pm$ 0.298 χ^2 /NDF: 8591.5/29

Left Out: 52.076 $\pm$ 0.210 χ^2 /NDF:1450.9/24

Right Out: 18.395 $\pm$ 0.301 χ^2 /NDF: 8282.0/32

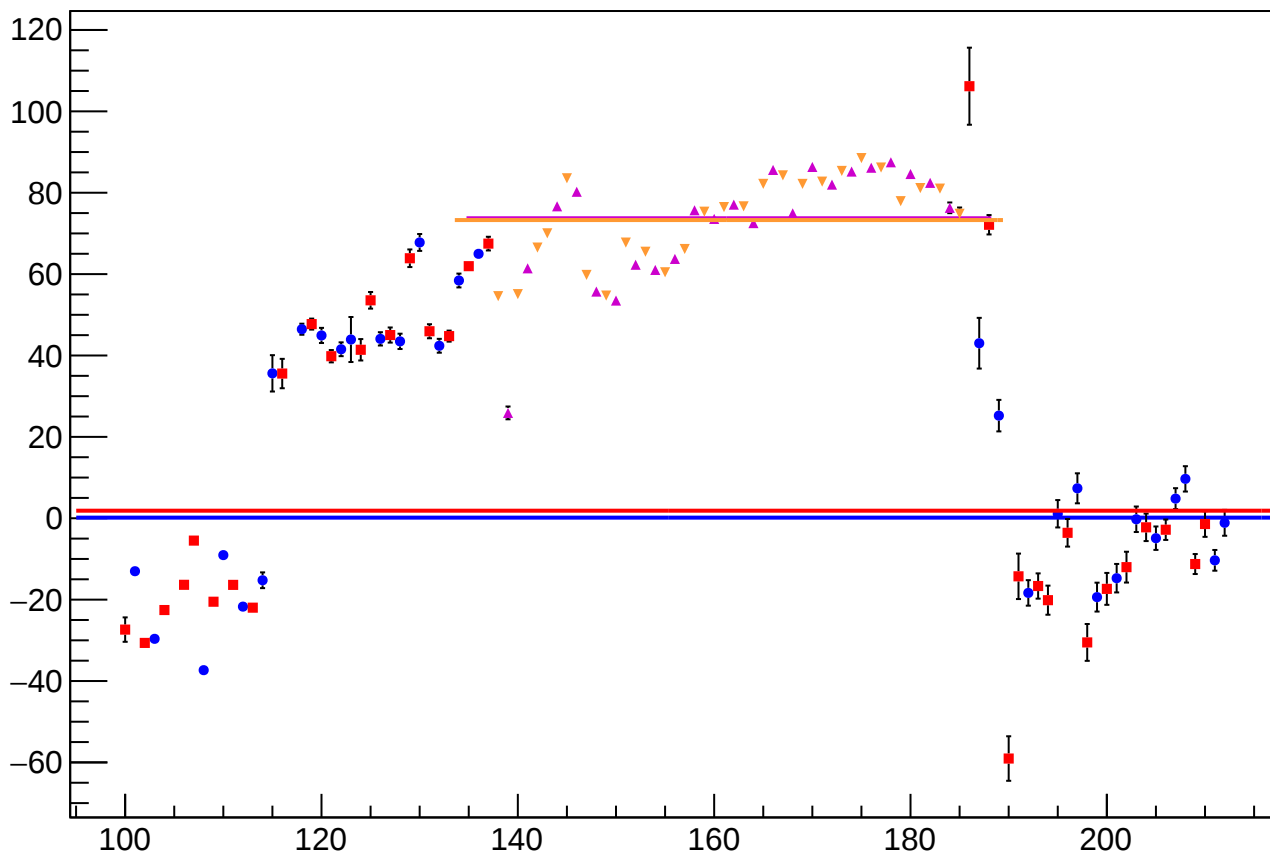
Left In: 53.447 $\pm$ 0.215 χ^2 /NDF:1169.0/22

+ sign 40.045 $\pm$ 0.172 χ^2 /NDF: 19954.8/54

All: 40.799 $\pm$ 0.123 χ^2 /NDF: 38411.1/110

- sign 41.584 $\pm$ 0.175 χ^2 /NDF: 18416.9/55

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.155 ± 0.239 χ^2/NDF : 18429.5/29

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 1.860 ± 0.256 χ^2/NDF : 16735.3/32

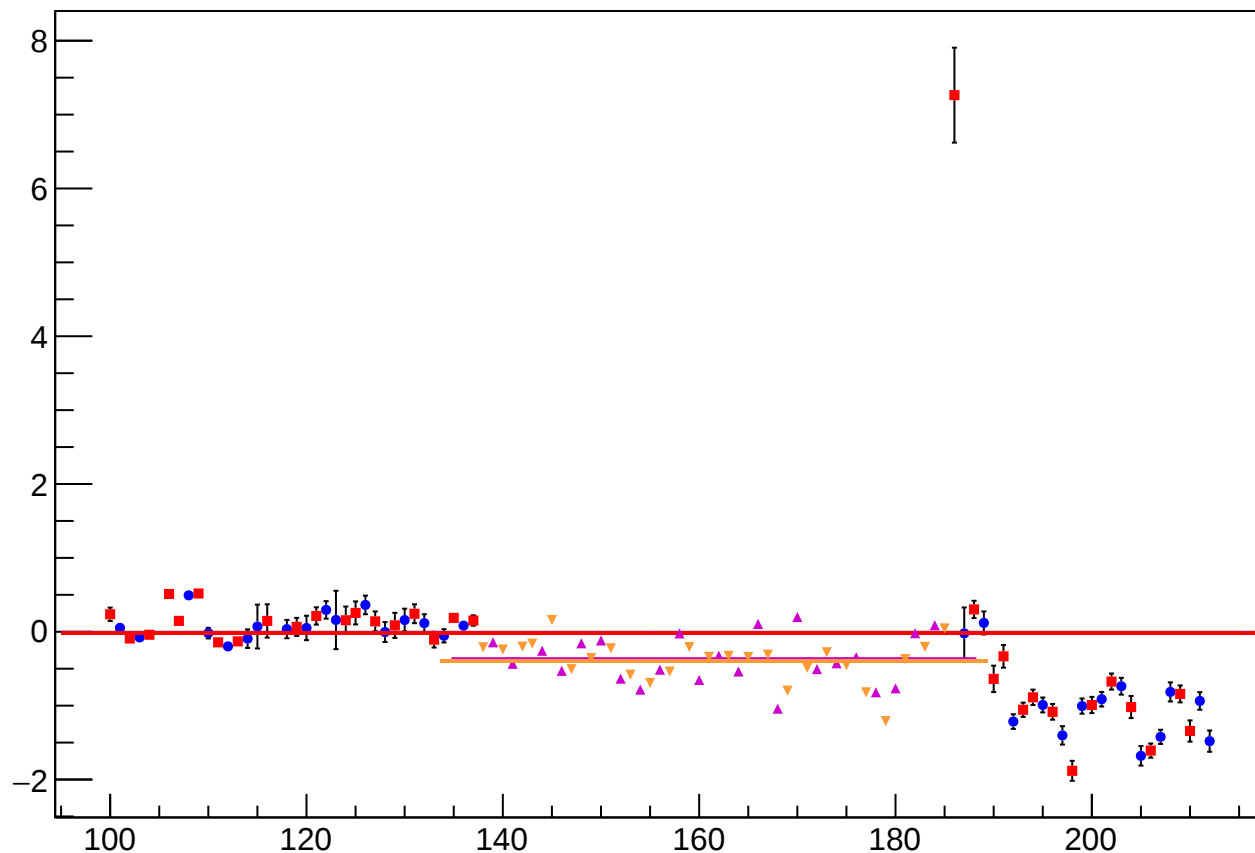
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 45.497 ± 0.147 χ^2/NDF : 79779.1/54

All: 46.421 ± 0.107 χ^2/NDF : 150395.8/110

- sign 47.444 ± 0.155 χ^2/NDF : 70533.5/55

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.014 ± 0.010 χ^2/NDF : 1673.3/29

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: -0.017 ± 0.010 χ^2/NDF : 1682.2/32

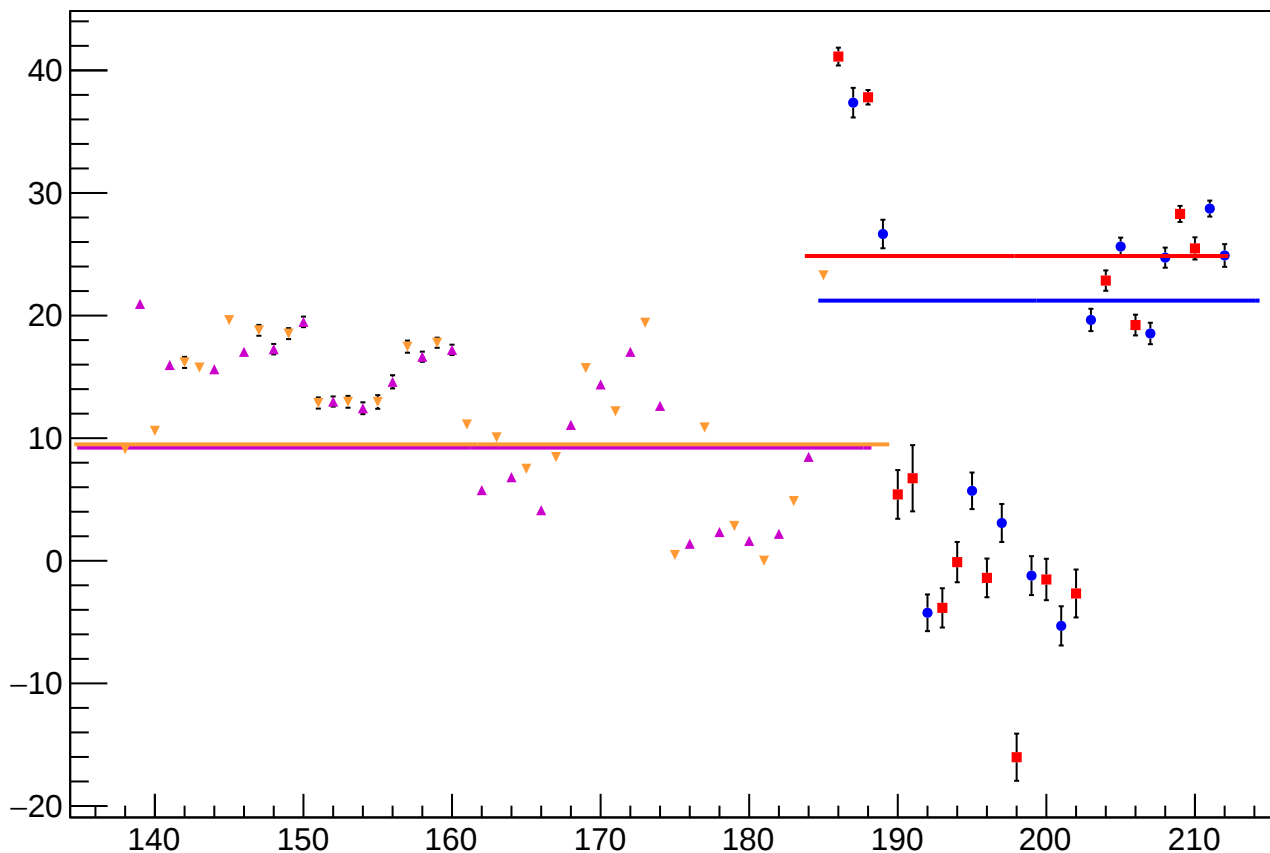
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.243 ± 0.007 χ^2/NDF : 3420.4/54

All: -0.234 ± 0.005 χ^2/NDF : 7097.7/110

- sign -0.225 ± 0.007 χ^2/NDF : 3673.8/55

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 21.220 ± 0.278 $\chi^2/\text{NDF}: 1425.9/12$

Left Out: 9.495 ± 0.061 $\chi^2/\text{NDF}: 12609.1/24$

Right Out: 24.858 ± 0.271 $\chi^2/\text{NDF}: 2922.2/13$

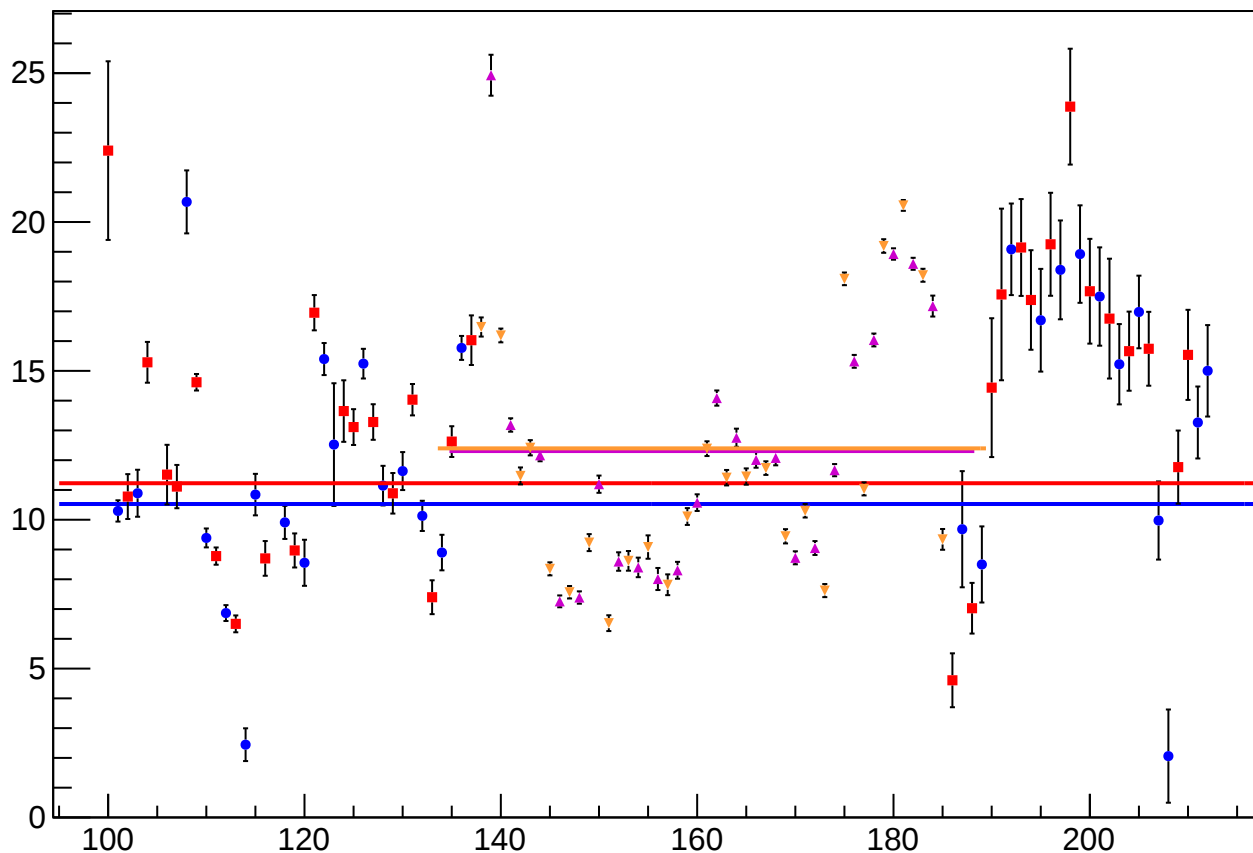
Left In: 9.231 ± 0.063 $\chi^2/\text{NDF}: 10736.2/22$

+ sign 10.037 ± 0.060 $\chi^2/\text{NDF}: 15731.4/37$

All: 10.034 ± 0.043 $\chi^2/\text{NDF}: 32537.9/74$

- sign 10.031 ± 0.061 $\chi^2/\text{NDF}: 16806.5/36$

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.528 ± 0.115 χ^2/NDF : 1067.8/29

Left Out: 12.397 ± 0.050 χ^2/NDF : 7542.8/24

Right Out: 11.226 ± 0.111 χ^2/NDF : 1057.2/32

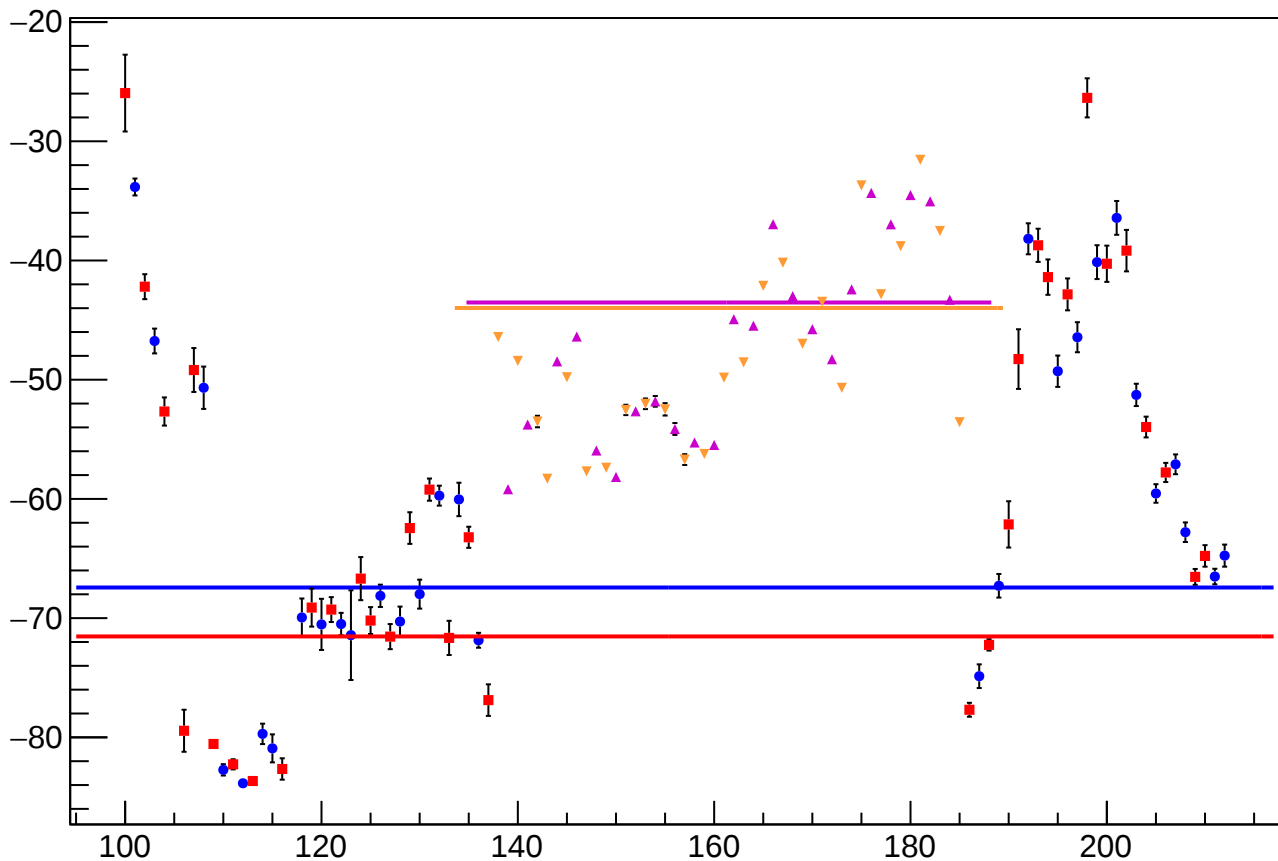
Left In: 12.307 ± 0.051 χ^2/NDF : 5601.8/22

+ sign 12.102 ± 0.046 χ^2/NDF : 8833.9/54

All: 12.110 ± 0.033 χ^2/NDF : 15570.8/110

- sign 12.118 ± 0.047 χ^2/NDF : 6736.9/55

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -67.430 ± 0.159 $\chi^2/\text{NDF}: 8615.5/29$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -71.536 ± 0.146 $\chi^2/\text{NDF}: 8063.8/32$

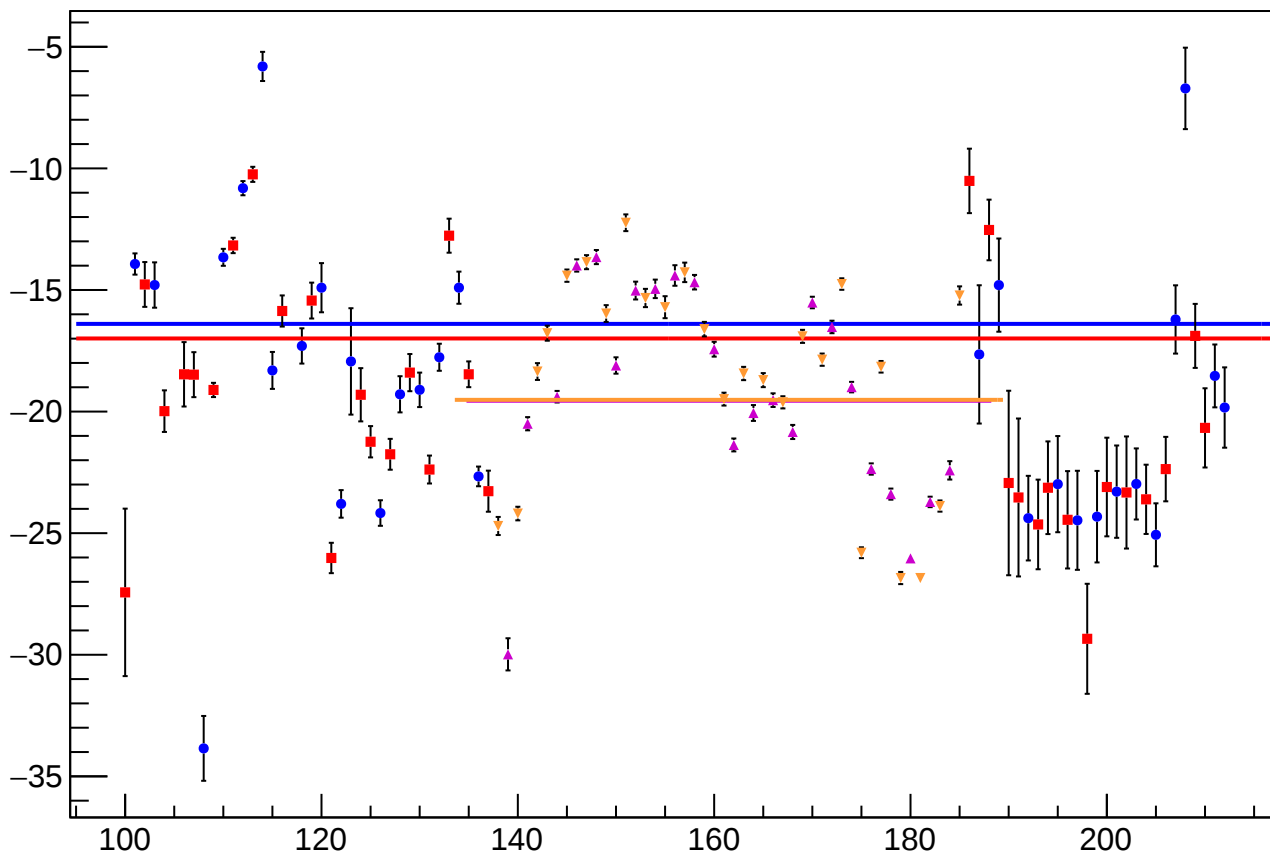
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -47.064 ± 0.058 $\chi^2/\text{NDF}: 45194.1/54$

All: -47.521 ± 0.041 $\chi^2/\text{NDF}: 99814.5/110$

- sign -47.984 ± 0.058 $\chi^2/\text{NDF}: 54494.3/55$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.394 ± 0.128 χ^2/NDF : 1811.4/29

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.994 ± 0.124 χ^2/NDF : 1388.2/32

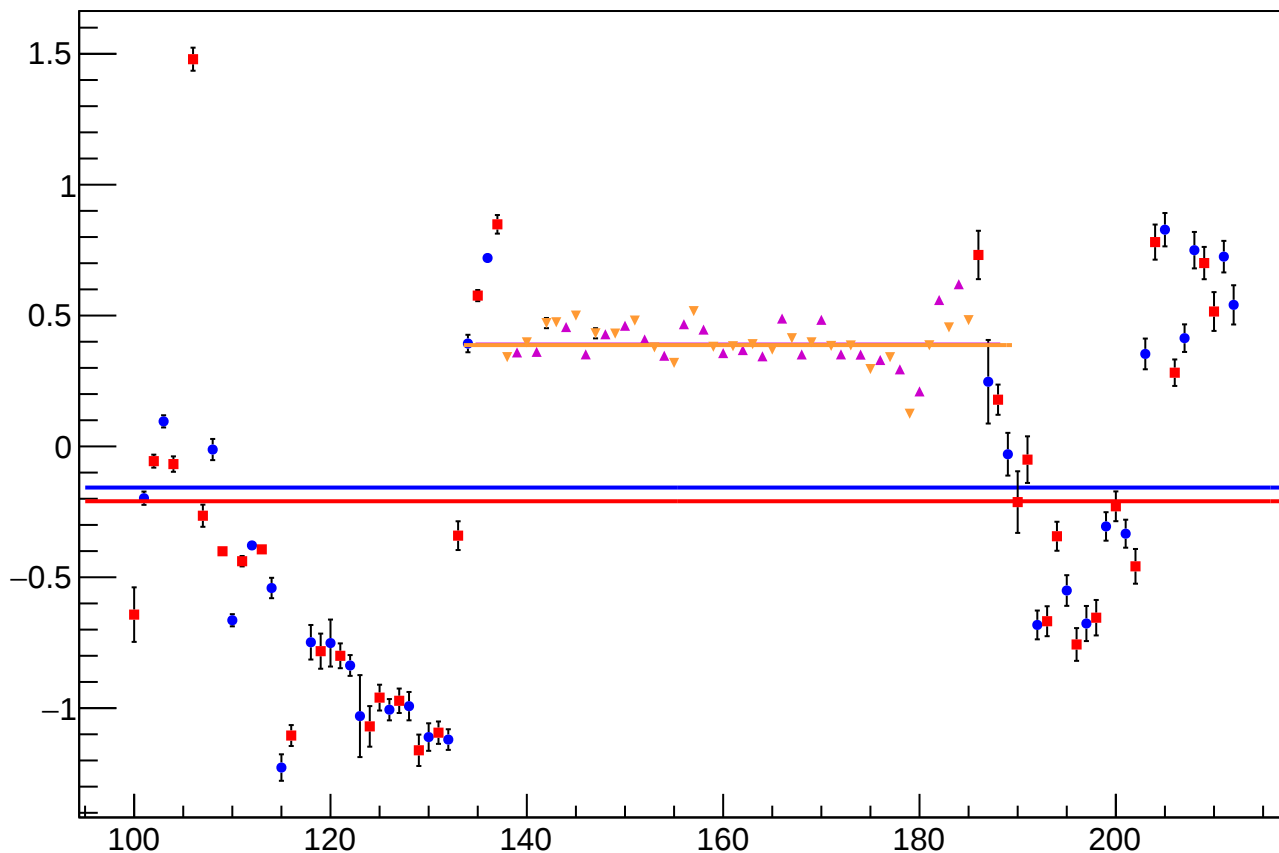
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.017 ± 0.051 χ^2/NDF : 8832.3/54

All: -19.058 ± 0.036 χ^2/NDF : 14886.8/110

- sign -19.101 ± 0.052 χ^2/NDF : 6053.2/55

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.157 ± 0.007 χ^2/NDF : 7467.7/29

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.210 ± 0.007 χ^2/NDF : 7173.2/32

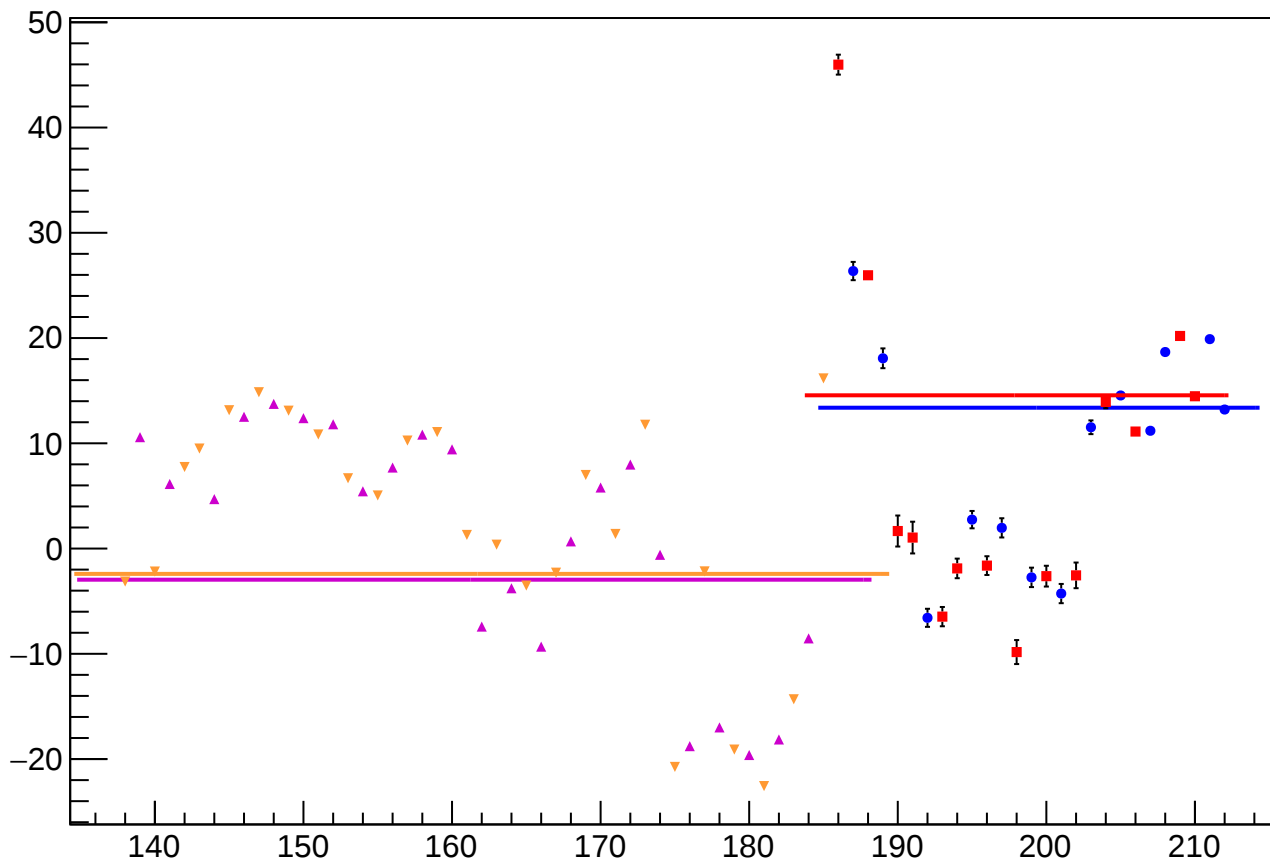
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.322 ± 0.002 χ^2/NDF : 13883.0/54

All: 0.315 ± 0.002 χ^2/NDF : 29364.5/110

- sign 0.308 ± 0.002 χ^2/NDF : 15466.2/55

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 13.381 ± 0.159 χ^2/NDF : 2343.4/12

Left Out: -2.407 ± 0.053 χ^2/NDF : 56368.5/24

Right Out: 14.560 ± 0.170 χ^2/NDF : 4425.3/13

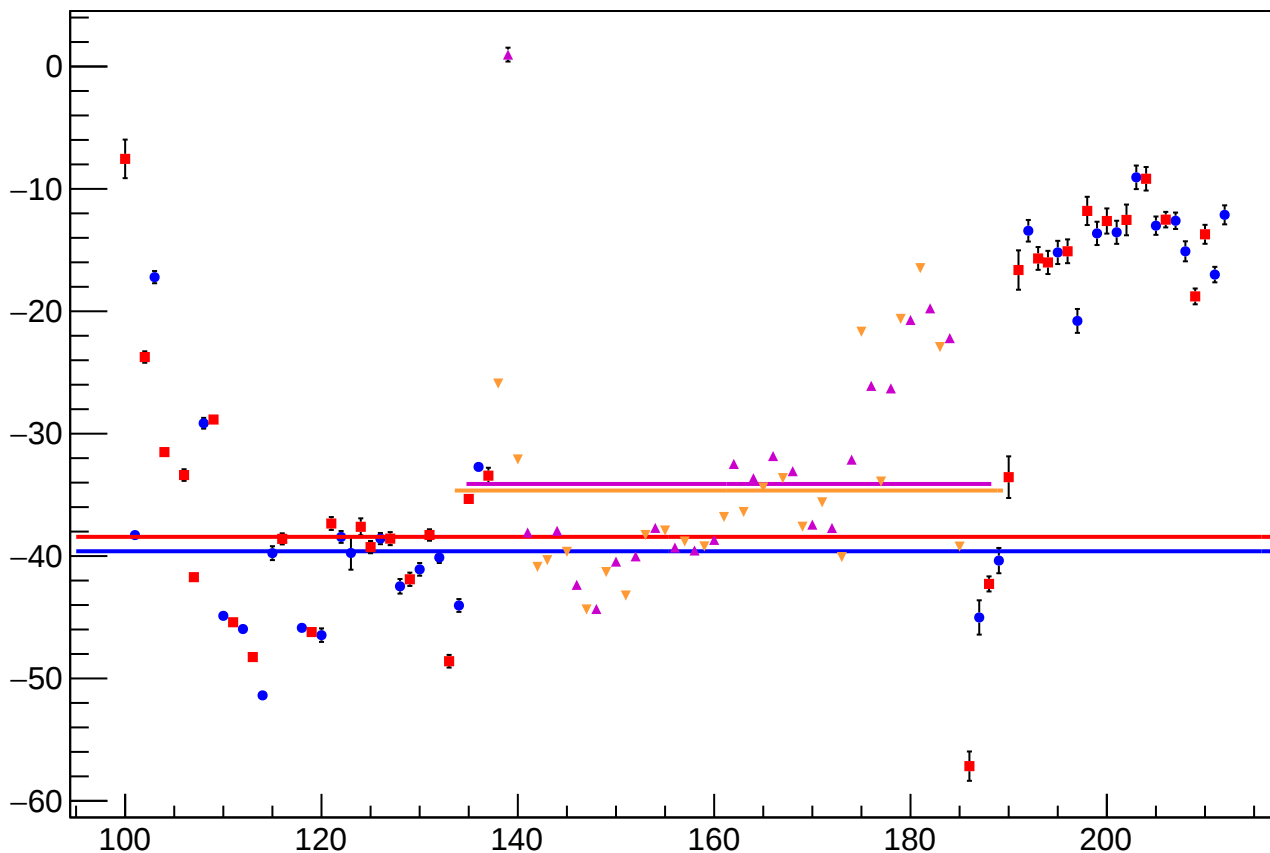
Left In: -2.959 ± 0.055 χ^2/NDF : 45922.6/22

+ sign -0.844 ± 0.050 χ^2/NDF : 67570.8/37

All: -1.064 ± 0.036 χ^2/NDF : 127608.2/74

- sign -1.302 ± 0.052 χ^2/NDF : 59997.4/36

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -39.608 ± 0.074 $\chi^2/\text{NDF}: 18346.9/29$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -38.430 ± 0.070 $\chi^2/\text{NDF}: 20152.4/32$

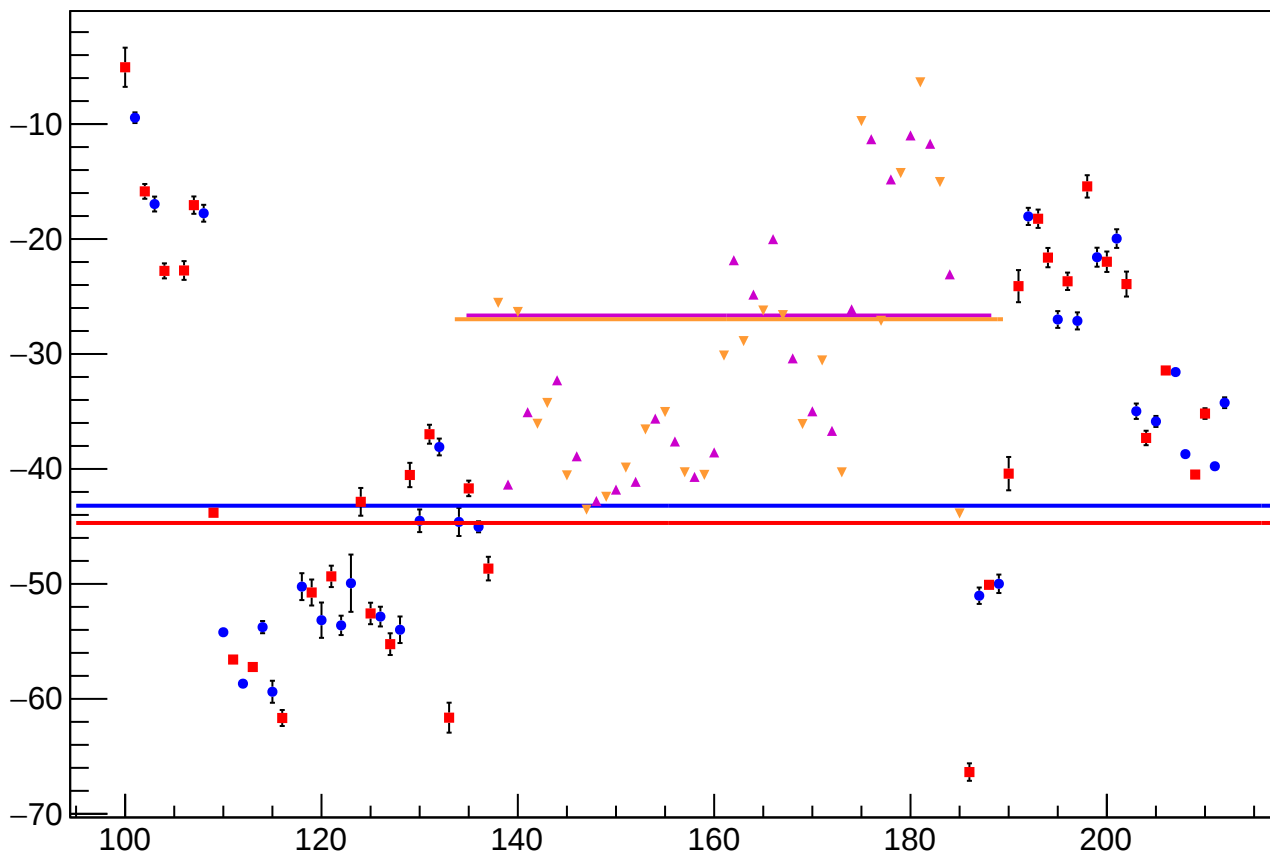
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -35.839 ± 0.036 $\chi^2/\text{NDF}: 56414.8/54$

All: -35.594 ± 0.026 $\chi^2/\text{NDF}: 108464.5/110$

- sign -35.339 ± 0.037 $\chi^2/\text{NDF}: 51957.1/55$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -43.198 ± 0.097 $\chi^2/\text{NDF}: 22127.2/29$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -44.699 ± 0.089 $\chi^2/\text{NDF}: 20316.7/32$

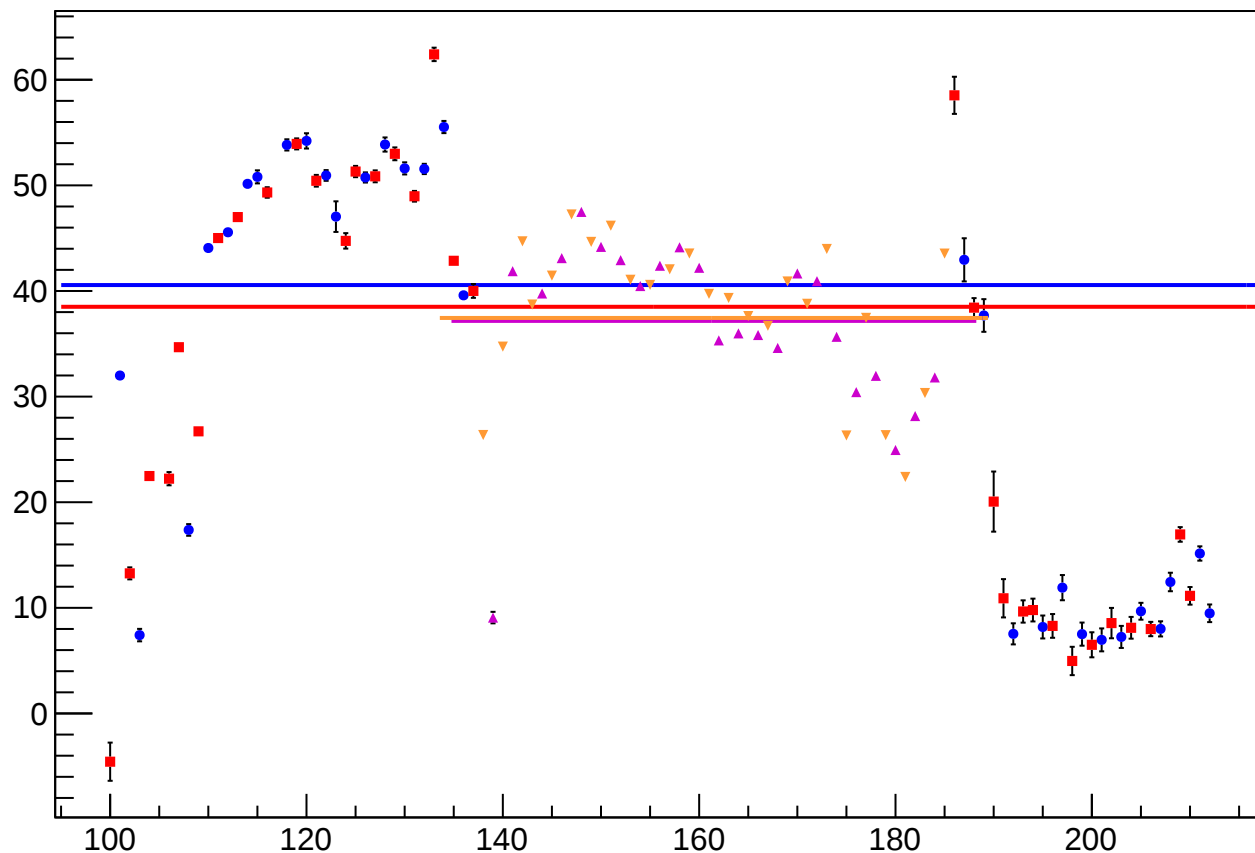
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.741 ± 0.047 $\chi^2/\text{NDF}: 93067.9/54$

All: -31.199 ± 0.033 $\chi^2/\text{NDF}: 185613.4/110$

- sign -31.659 ± 0.047 $\chi^2/\text{NDF}: 92352.1/55$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 40.562 $\pm$ 0.083 χ^2 /NDF: 24713.2/29

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 38.504 $\pm$ 0.077 χ^2 /NDF: 27520.7/32

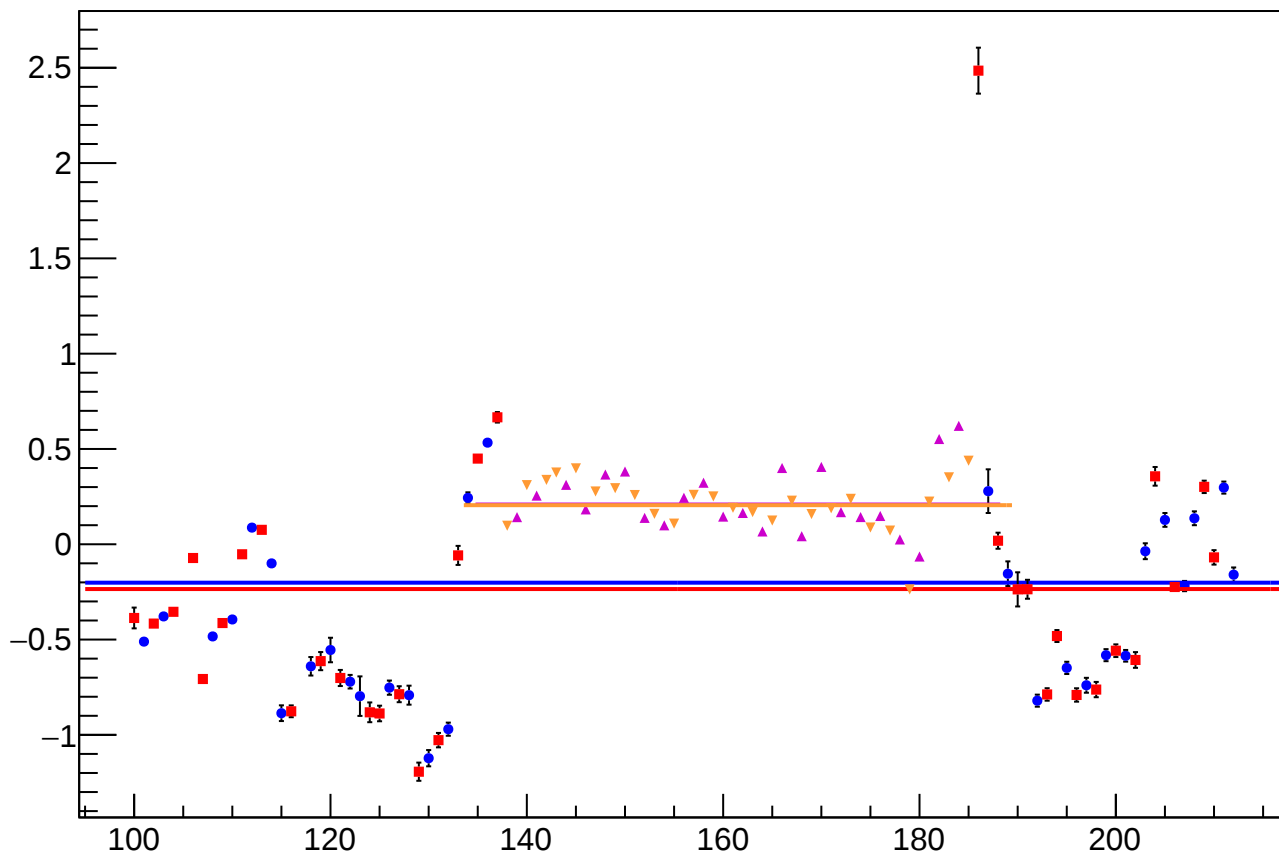
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.211 $\pm$ 0.041 χ^2 /NDF: 47354.9/54

All: 37.888 $\pm$ 0.029 χ^2 /NDF: 92451.6/110

- sign 37.556 $\pm$ 0.042 χ^2 /NDF: 44970.4/55

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.202 ± 0.004 χ^2/NDF : 8901.9/29

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.235 ± 0.004 χ^2/NDF : 9358.9/32

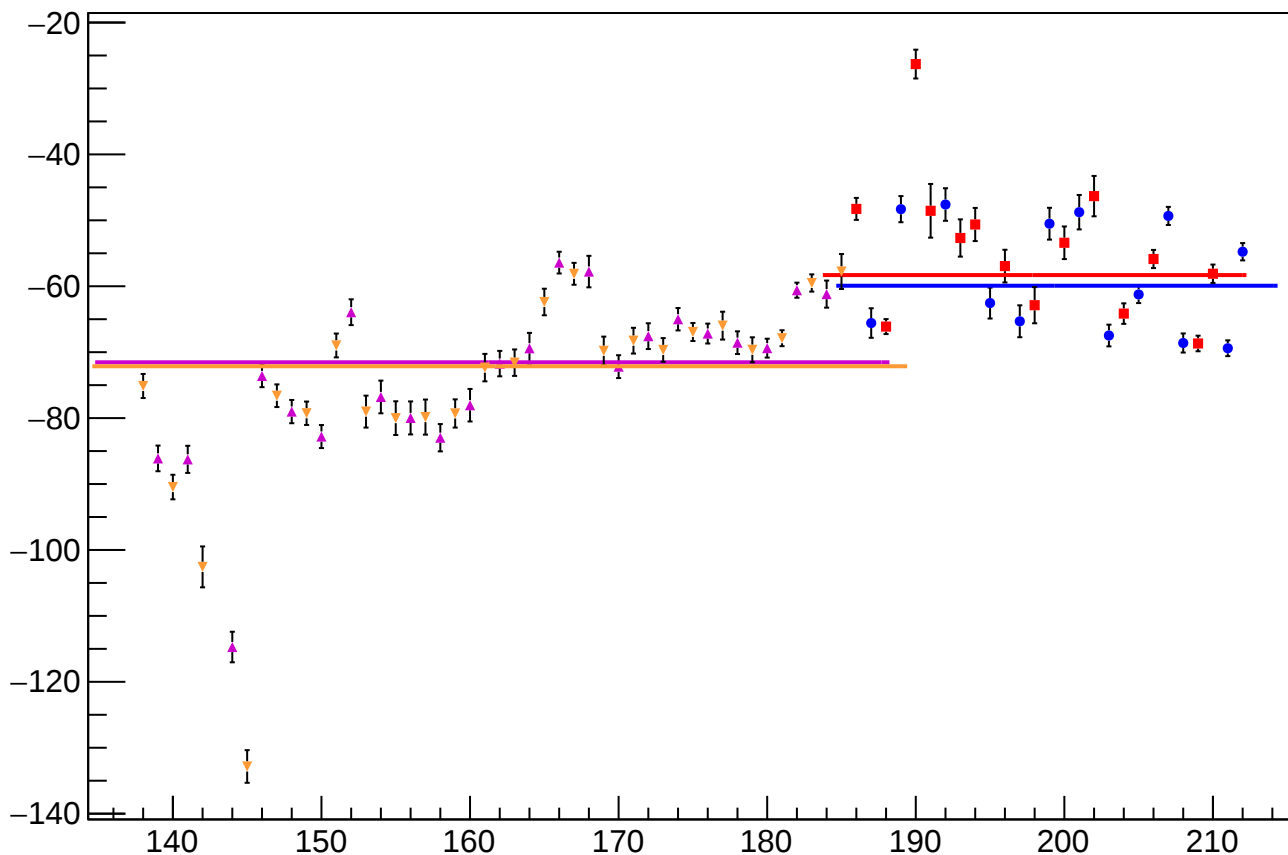
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.124 ± 0.002 χ^2/NDF : 19707.9/54

All: 0.112 ± 0.001 χ^2/NDF : 43695.0/110

- sign 0.101 ± 0.002 χ^2/NDF : 23916.9/55

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -59.921 ± 0.470 χ^2/NDF : 300.8/12

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -58.305 ± 0.475 χ^2/NDF : 433.7/13

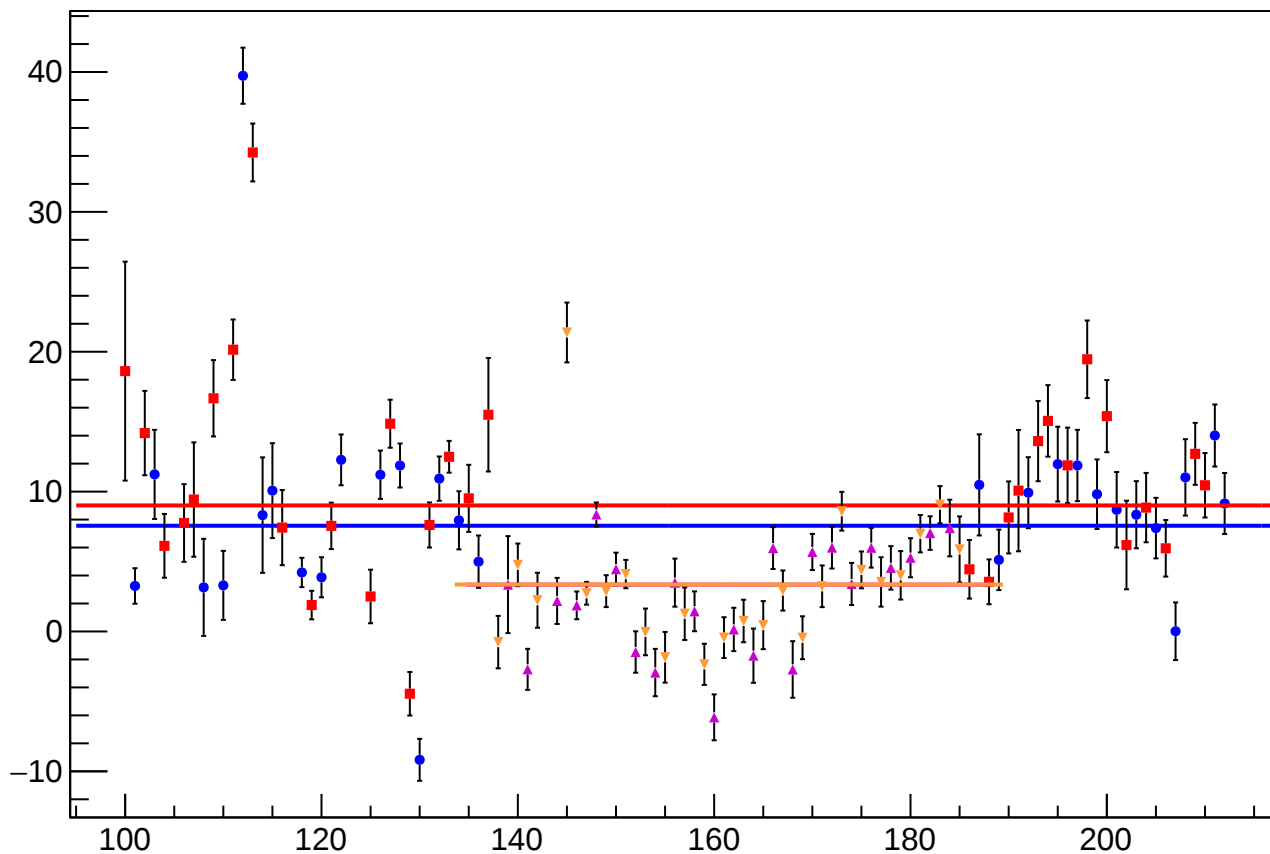
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -67.264 ± 0.297 χ^2/NDF : 1828.4/36

All: -66.806 ± 0.210 χ^2/NDF : 3589.4/73

- sign -66.346 ± 0.298 χ^2/NDF : 1756.2/36

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.558 ± 0.368 χ^2/NDF : 474.9/28

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 9.010 ± 0.368 χ^2/NDF : 402.2/31

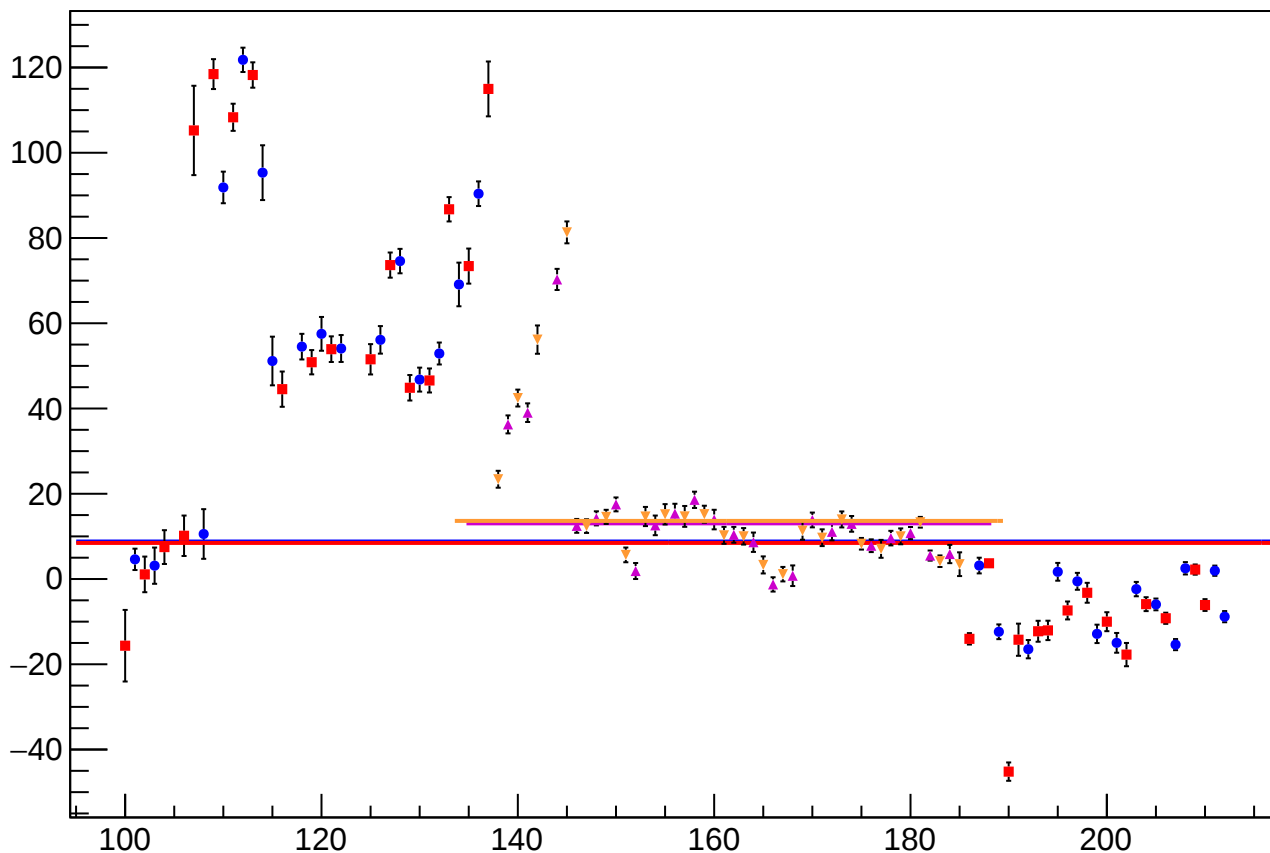
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.997 ± 0.230 χ^2/NDF : 721.9/52

All: 5.293 ± 0.163 χ^2/NDF : 1433.8/107

- sign 5.592 ± 0.232 χ^2/NDF : 708.6/54

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 8.799 ± 0.396 χ^2/NDF : 6320.9/28

Left Out: 13.632 ± 0.382 χ^2/NDF : 1300.0/23

Right Out: 8.467 ± 0.386 χ^2/NDF : 7952.0/31

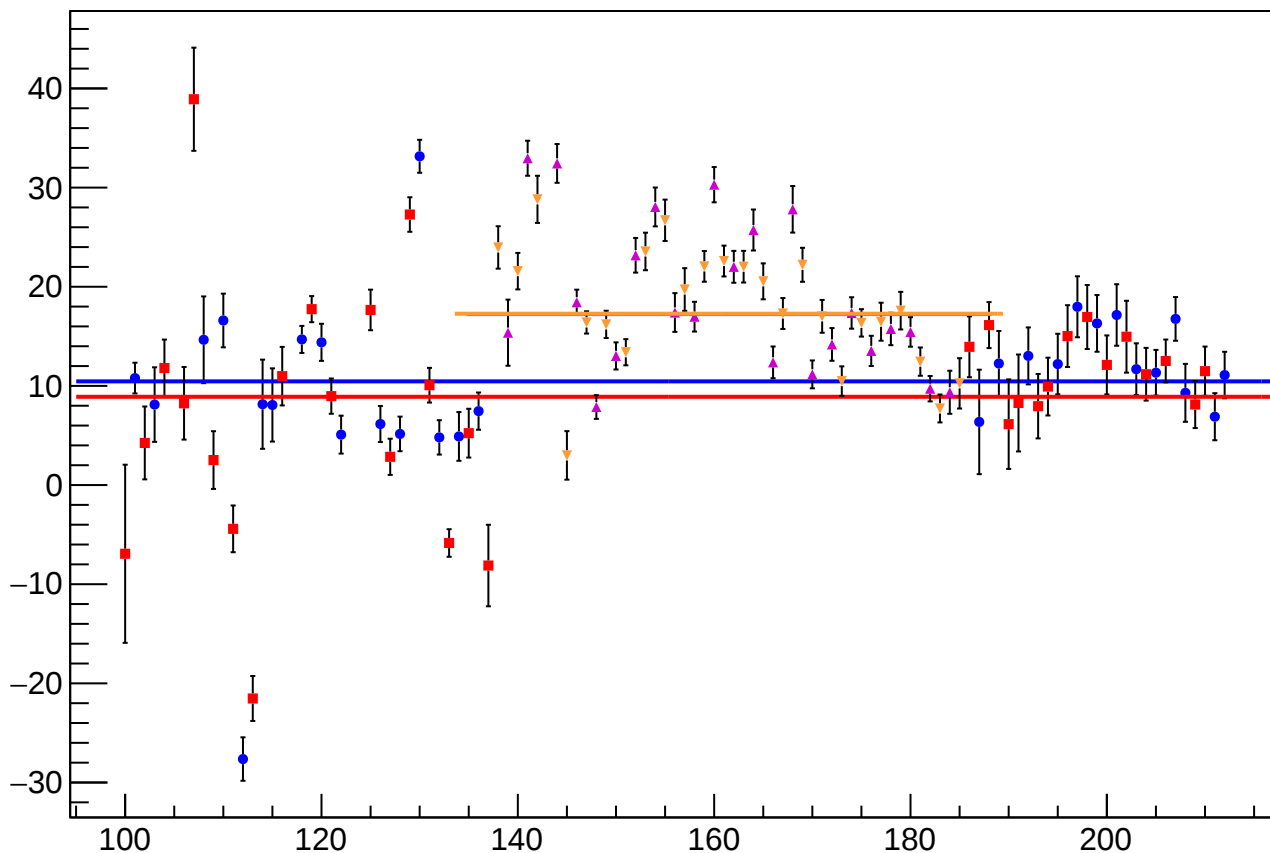
Left In: 13.058 ± 0.380 χ^2/NDF : 1024.7/22

+ sign 11.306 ± 0.275 χ^2/NDF : 7698.1/52

All: 11.048 ± 0.193 χ^2/NDF : 16748.4/107

- sign 10.798 ± 0.271 χ^2/NDF : 9048.6/54

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.457 $\pm$ 0.423 χ^2/NDF : 578.7/28

Left Out: 17.280 $\pm$ 0.337 χ^2/NDF : 243.9/23

Right Out: 8.903 $\pm$ 0.429 χ^2/NDF : 606.3/31

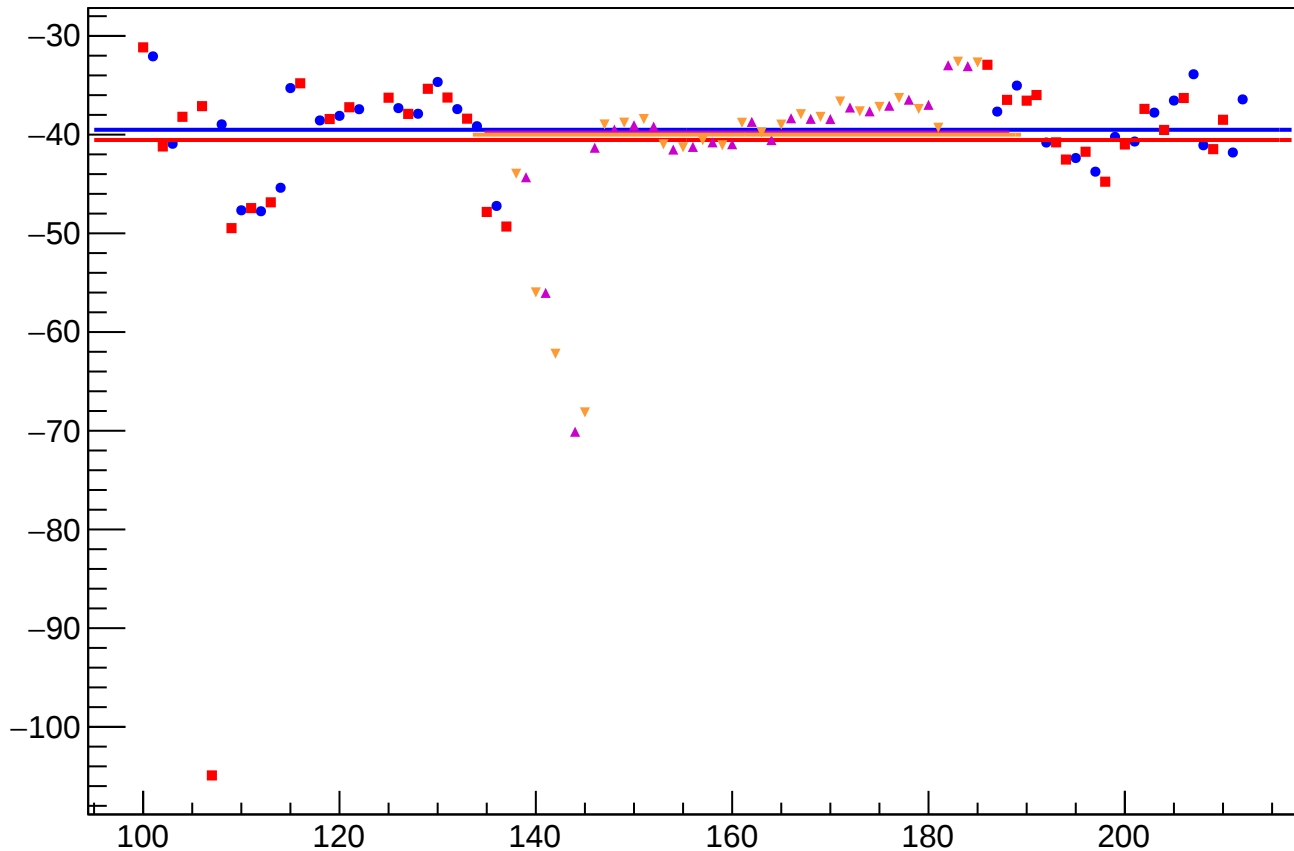
Left In: 17.245 $\pm$ 0.339 χ^2/NDF : 440.8/22

+ sign 14.630 $\pm$ 0.264 χ^2/NDF : 981.6/52

All: 14.334 $\pm$ 0.187 χ^2/NDF : 2263.9/107

- sign 14.032 $\pm$ 0.266 χ^2/NDF : 1279.7/54

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.509 ± 0.021 χ^2/NDF : 37763.0/28

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -40.543 ± 0.021 χ^2/NDF : 107108.0/31

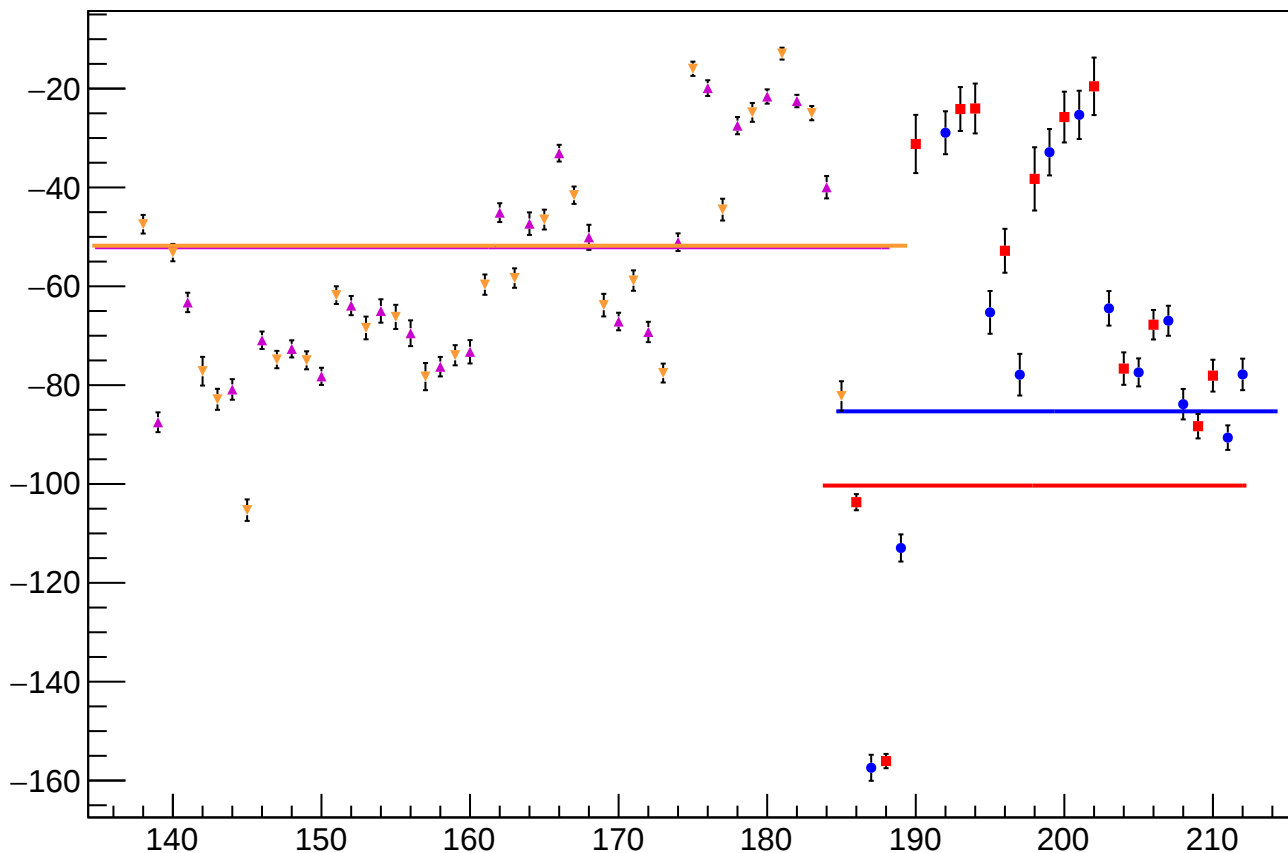
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -39.822 ± 0.013 χ^2/NDF : 210376.6/52

All: -39.941 ± 0.009 χ^2/NDF : 463003.0/107

- sign -40.058 ± 0.013 χ^2/NDF : 252449.8/54

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -85.301 ± 0.910 $\chi^2/\text{NDF}: 1410.8/12$

Left Out: -51.787 ± 0.383 $\chi^2/\text{NDF}: 4164.8/24$

Right Out: -100.321 ± 0.795 $\chi^2/\text{NDF}: 3004.5/12$

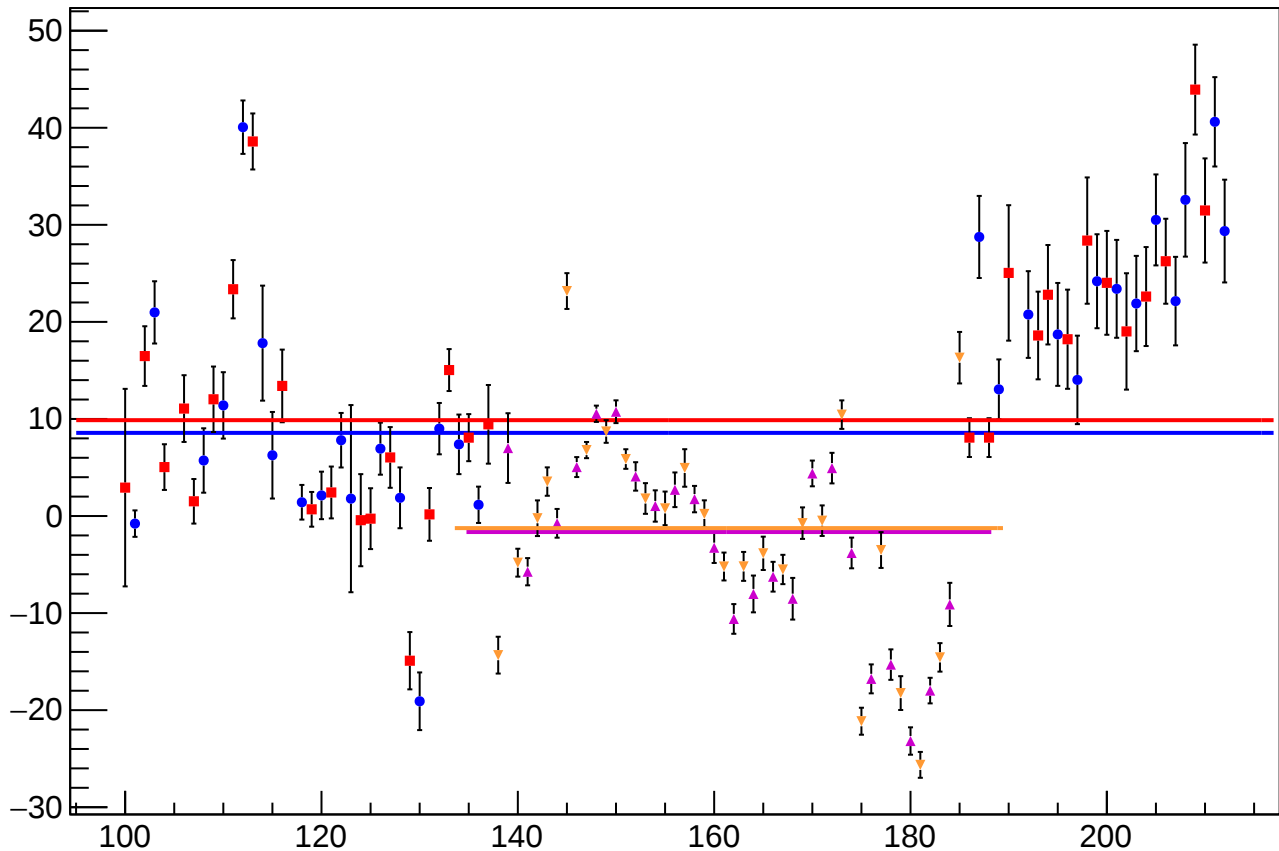
Left In: -52.104 ± 0.389 $\chi^2/\text{NDF}: 3280.2/22$

+ sign -56.820 ± 0.353 $\chi^2/\text{NDF}: 6727.7/37$

All: -59.132 ± 0.248 $\chi^2/\text{NDF}: 16064.0/73$

- sign -61.398 ± 0.349 $\chi^2/\text{NDF}: 9251.2/35$

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 8.566 ± 0.563 $\chi^2/\text{NDF}: 503.5/29$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 9.875 ± 0.554 $\chi^2/\text{NDF}: 410.5/31$

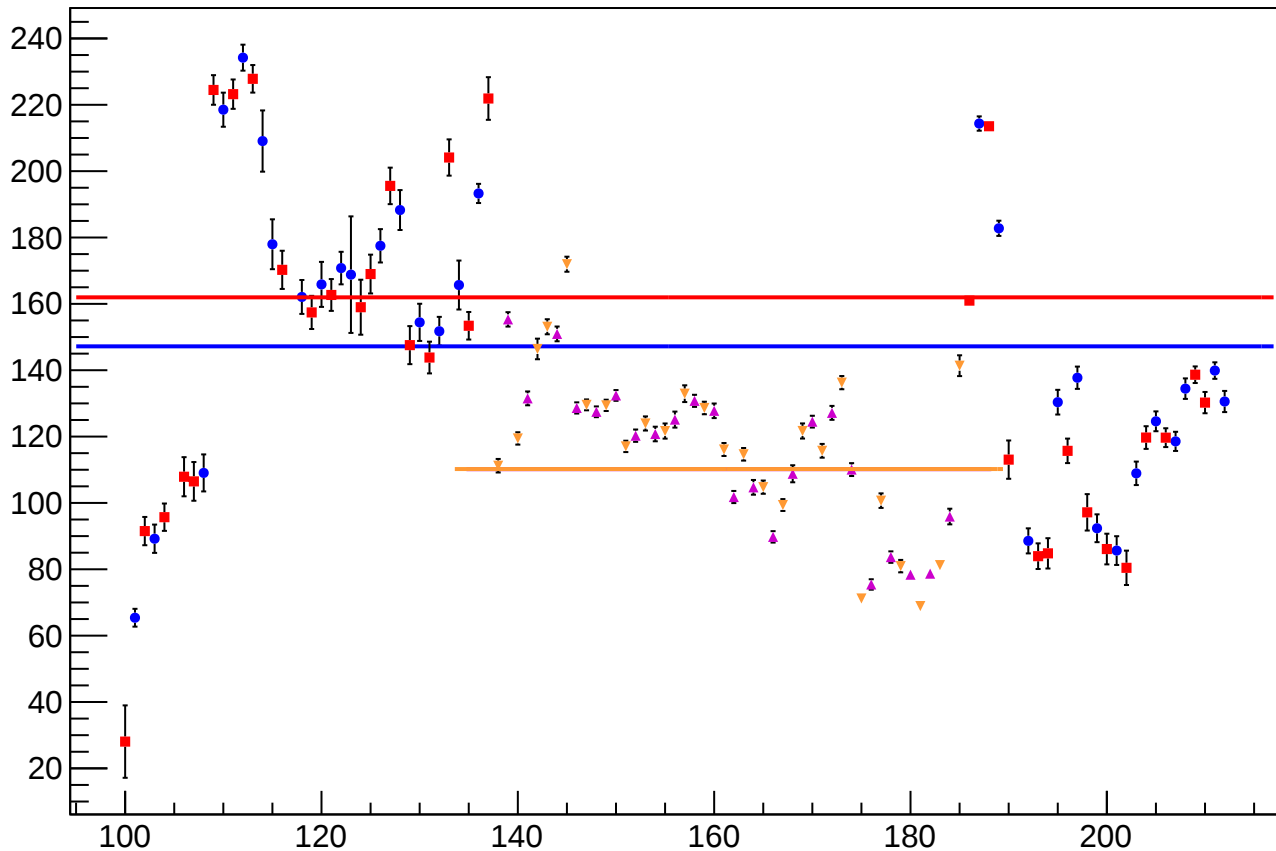
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.831 ± 0.259 $\chi^2/\text{NDF}: 2065.6/54$

All: 0.898 ± 0.185 $\chi^2/\text{NDF}: 3903.3/109$

- sign 0.968 ± 0.264 $\chi^2/\text{NDF}: 1837.6/54$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 147.196 $\pm$ 0.678 χ^2 /NDF: 4467.3/29

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 161.966 $\pm$ 0.592 χ^2 /NDF: 5821.3/31

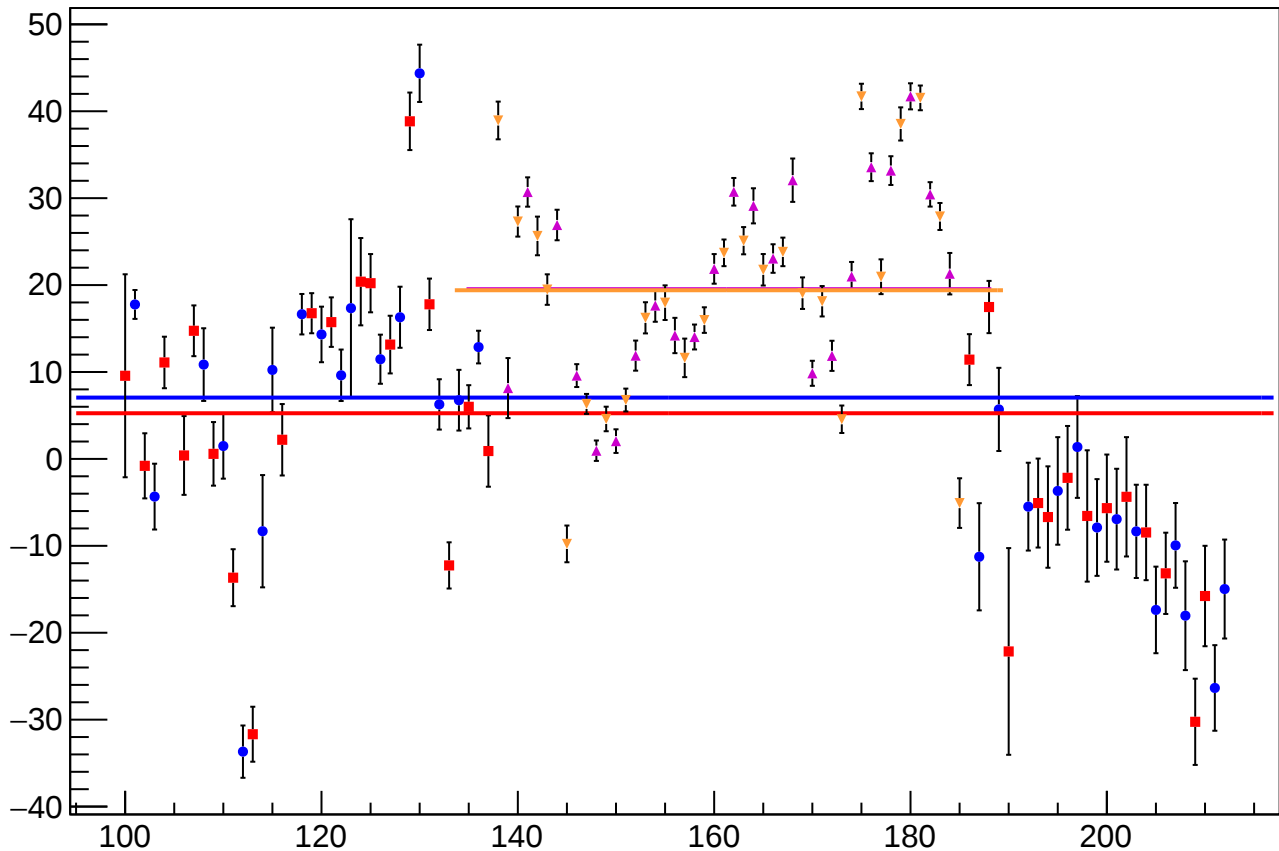
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 119.124 $\pm$ 0.333 χ^2 /NDF: 11318.8/54

All: 122.464 $\pm$ 0.232 χ^2 /NDF: 26408.0/109

- sign 125.616 $\pm$ 0.323 χ^2 /NDF: 14893.4/54

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 7.056 $\pm$ 0.650 χ^2/NDF : 567.7/29

Left Out: 19.405 $\pm$ 0.335 χ^2/NDF :1453.4/24

Right Out: 5.254 $\pm$ 0.655 χ^2/NDF : 558.7/31

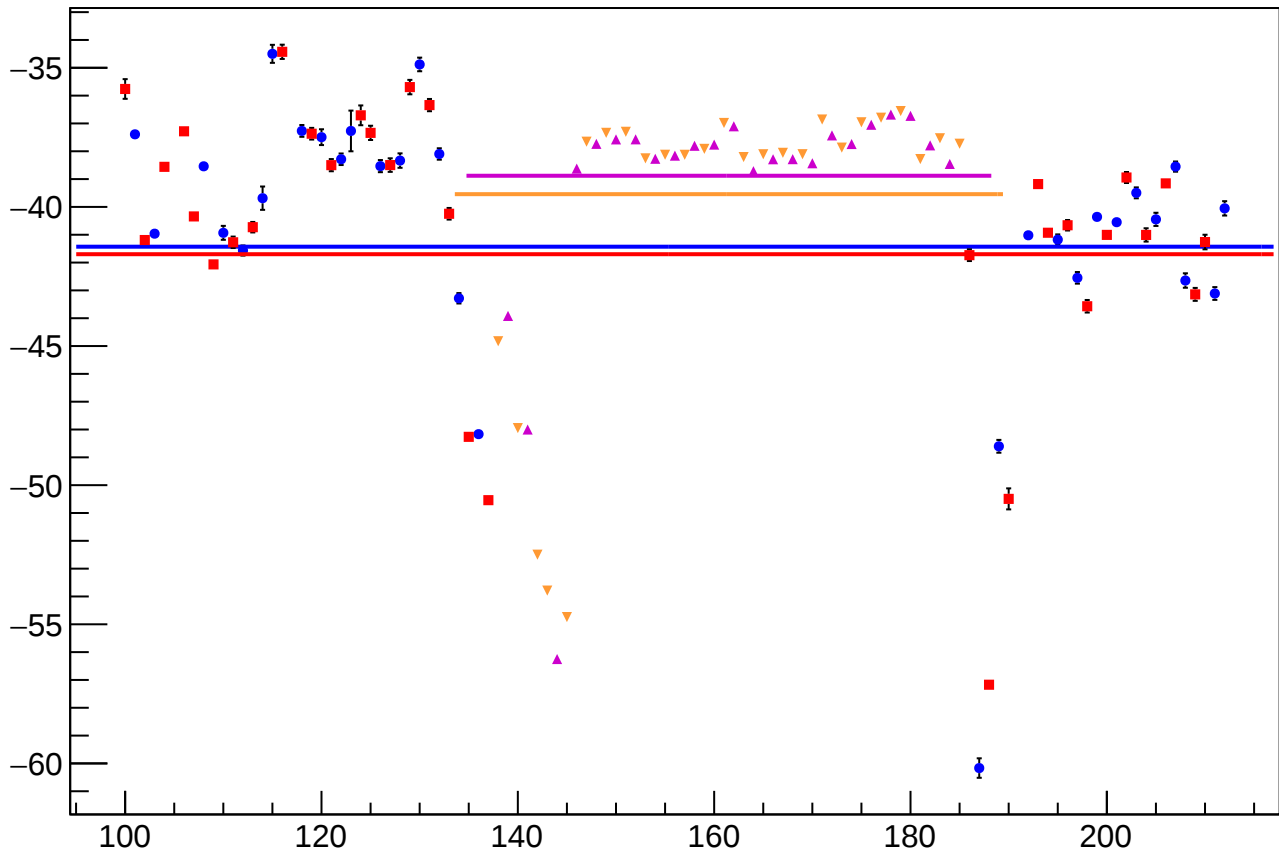
Left In: 19.530 $\pm$ 0.342 χ^2/NDF :1181.3/22

+ sign 16.817 $\pm$ 0.298 χ^2/NDF : 2306.4/54

All: 16.646 $\pm$ 0.212 χ^2/NDF : 4419.9/109

- sign 16.468 $\pm$ 0.304 χ^2/NDF : 2112.8/54

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.429 ± 0.032 χ^2/NDF : 16922.8/29

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -41.700 ± 0.032 χ^2/NDF : 23110.8/31

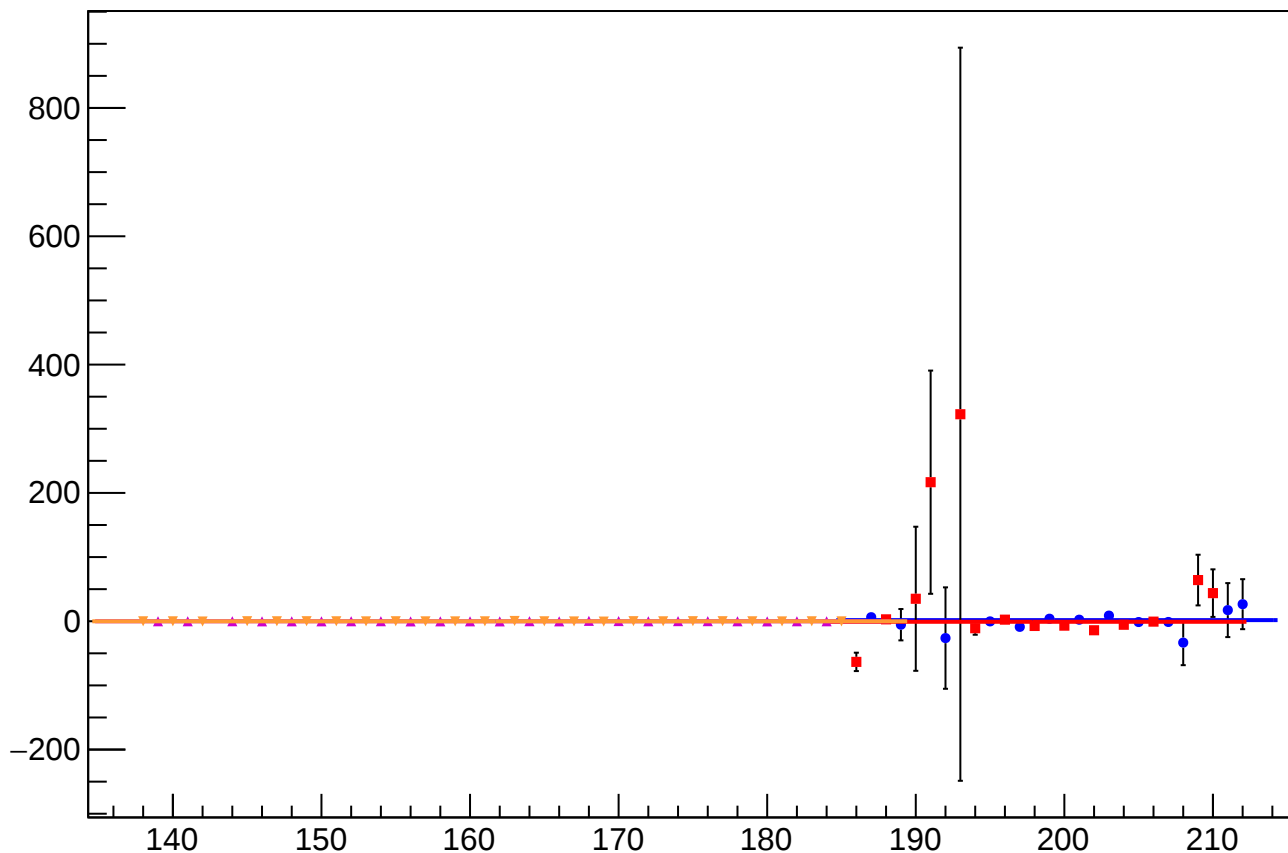
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.912 ± 0.014 χ^2/NDF : 111770.0/54

All: -39.681 ± 0.010 χ^2/NDF : 195183.0/109

- sign -39.447 ± 0.014 χ^2/NDF : 82871.6/54

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.755 ± 1.534 χ^2/NDF : 12.8/12

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.845 ± 1.420 χ^2/NDF : 36.7/13

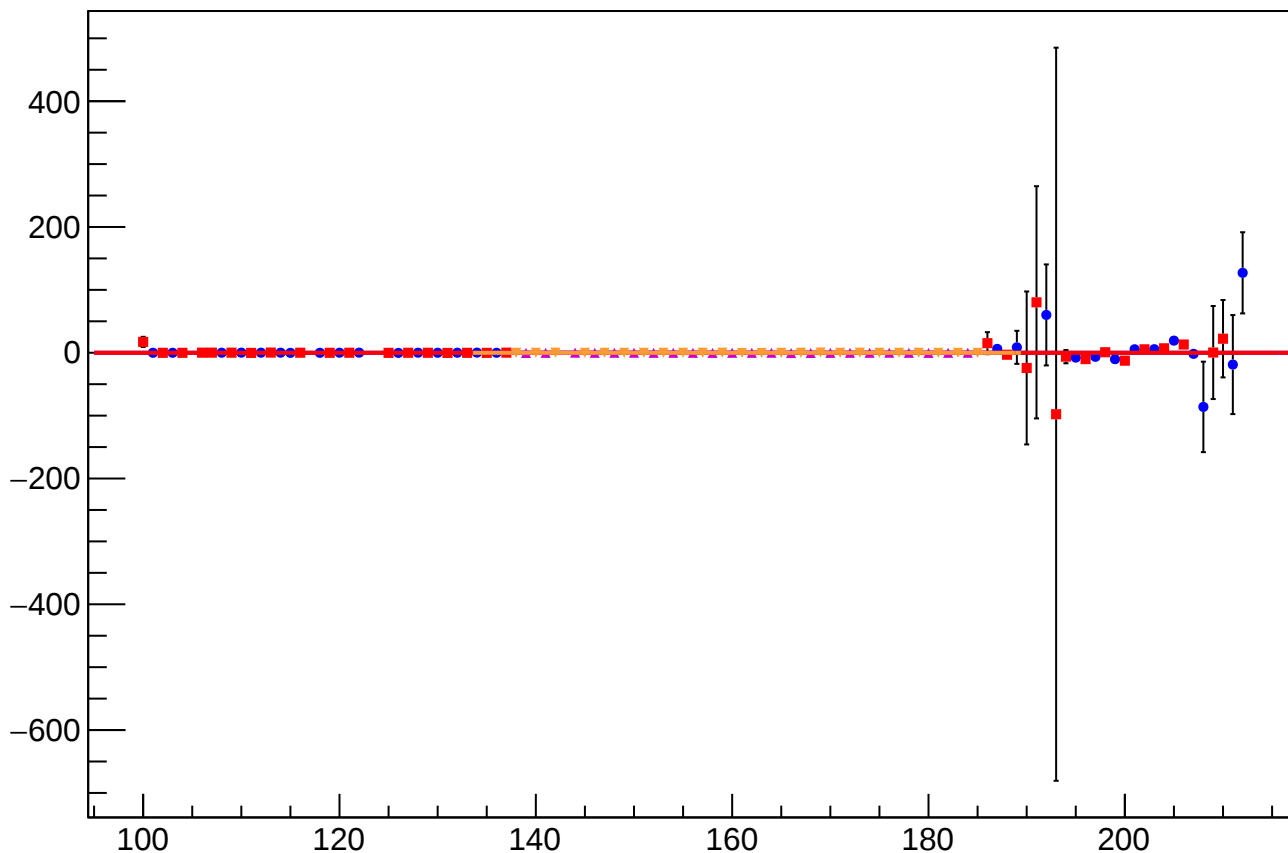
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 53.9/36

All: -0.057 ± 0.016 χ^2/NDF : 128.2/73

- sign -0.026 ± 0.022 χ^2/NDF : 70.3/36

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 37.3/28

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 41.2/31

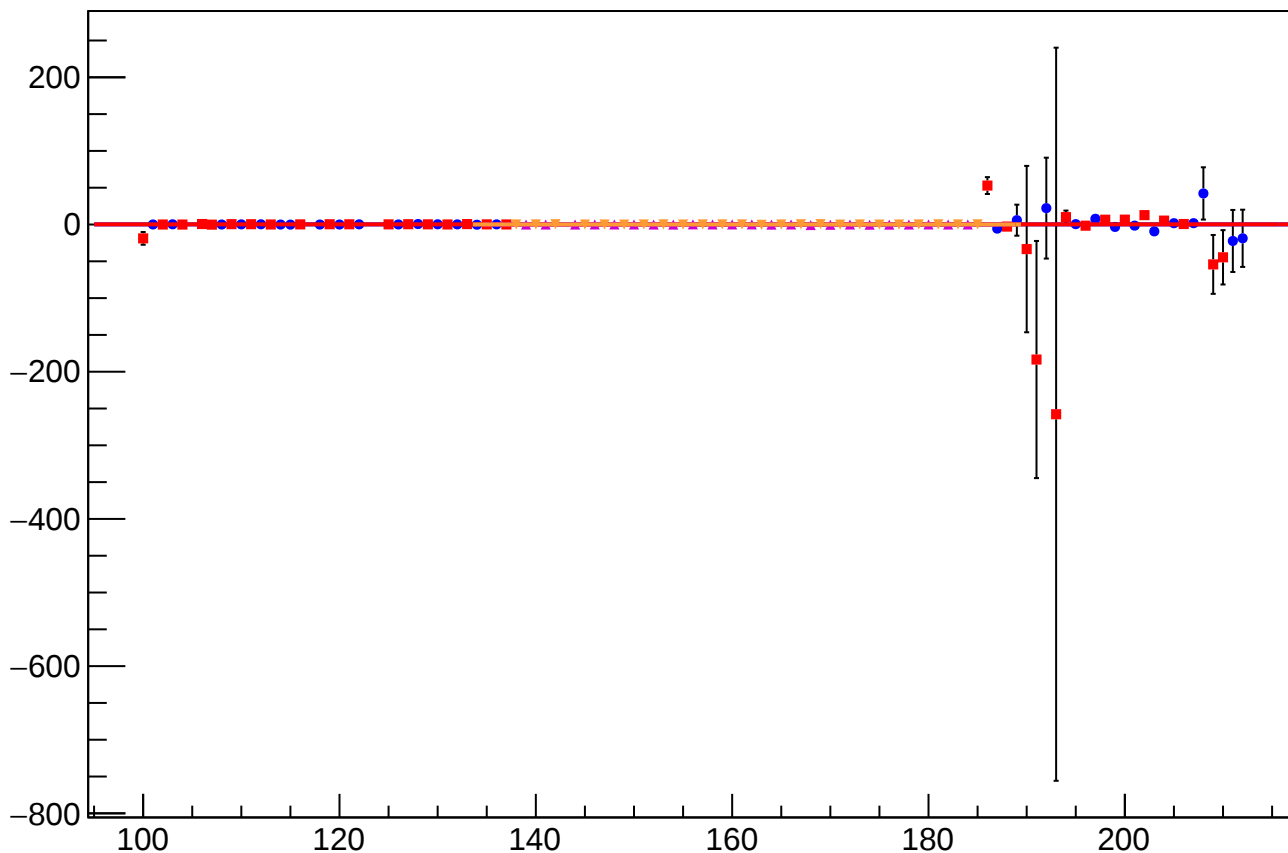
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 68.7/52

All: -0.056 ± 0.011 χ^2/NDF : 141.8/107

- sign -0.052 ± 0.015 χ^2/NDF : 72.9/54

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 χ^2/NDF : 29.1/28

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.236 ± 0.054 χ^2/NDF : 60.3/31

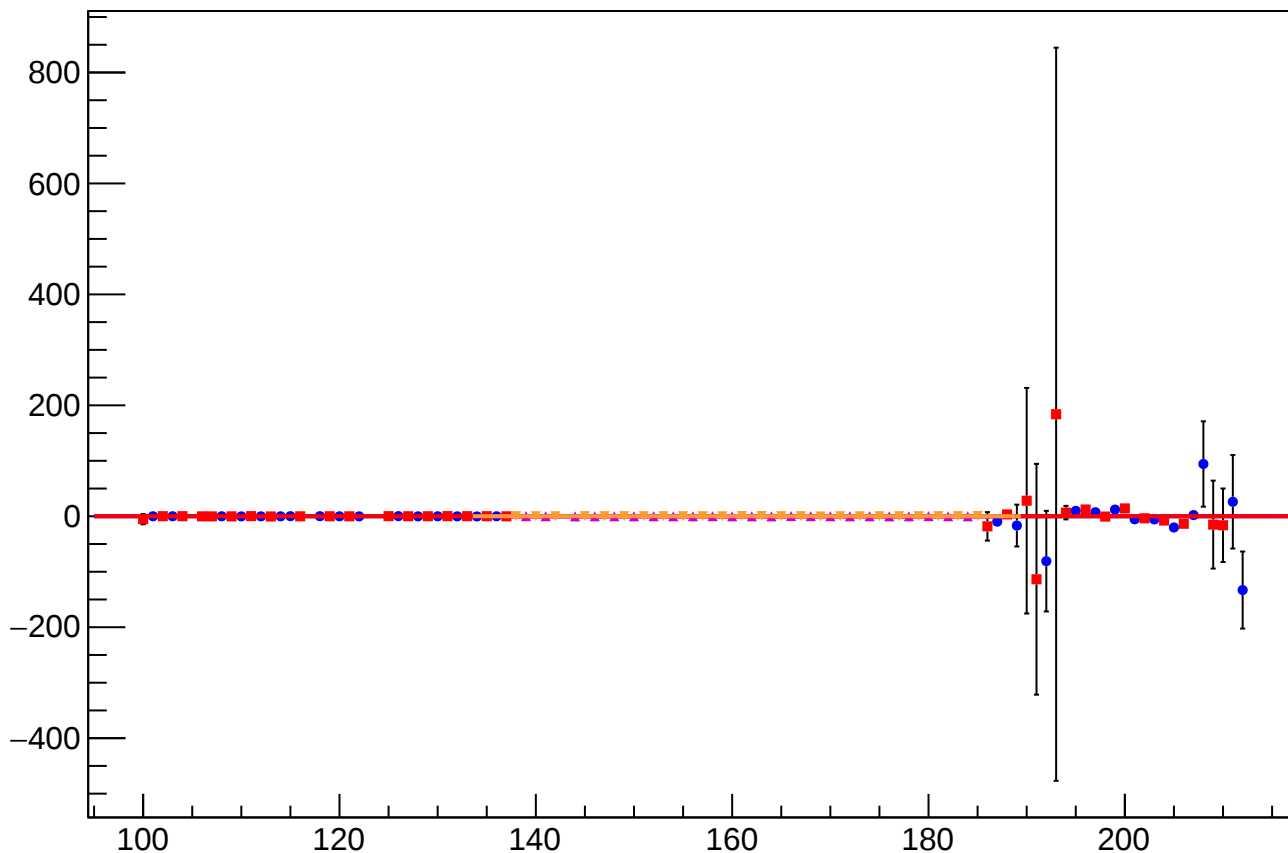
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 70.0/52

All: 0.073 ± 0.014 χ^2/NDF : 181.8/107

- sign 0.051 ± 0.021 χ^2/NDF : 109.5/54

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 38.7/28

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.057 ± 0.034 χ^2/NDF : 34.7/31

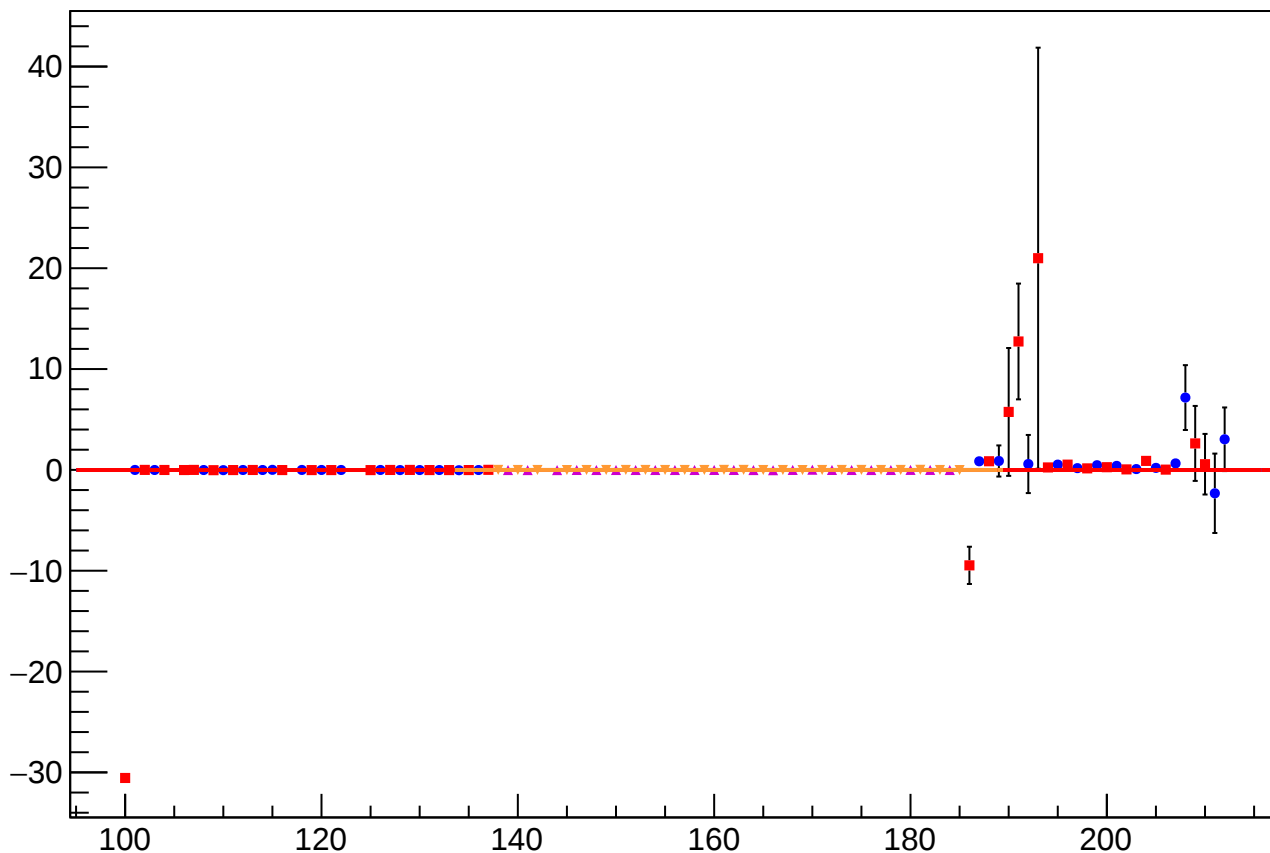
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 76.7/52

All: 0.071 ± 0.012 χ^2/NDF : 143.0/107

- sign 0.066 ± 0.017 χ^2/NDF : 66.1/54

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 47.9/28

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11954.9/31

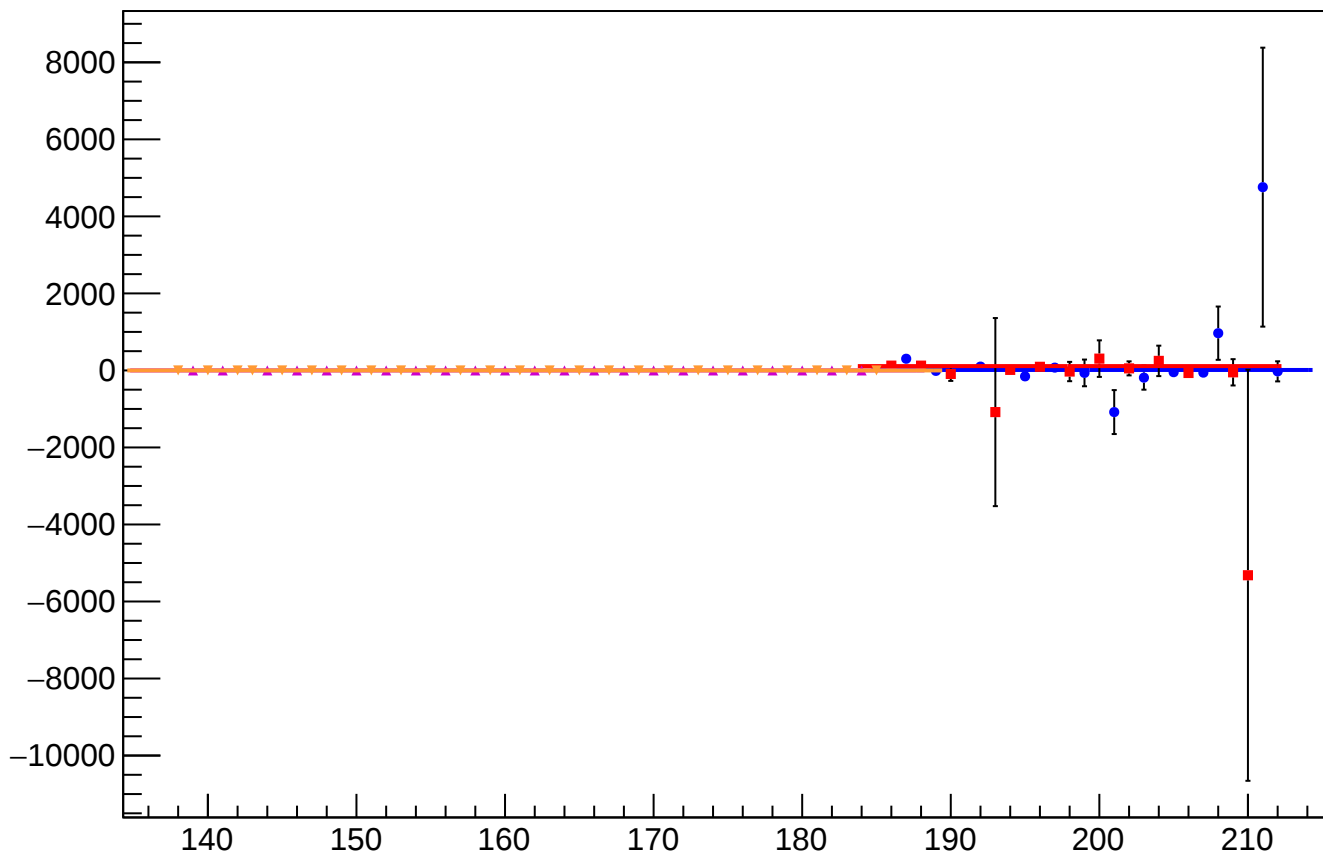
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 81.4/52

All: -0.009 ± 0.001 χ^2/NDF : 12079.9/107

- sign -0.009 ± 0.001 χ^2/NDF : 11998.1/54

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 11.783 ± 25.909 χ^2/NDF : 23.9/12

Left Out: 0.017 ± 0.027 χ^2/NDF : 30.9/24

Right Out: 112.536 ± 16.167 χ^2/NDF : 8.5/12

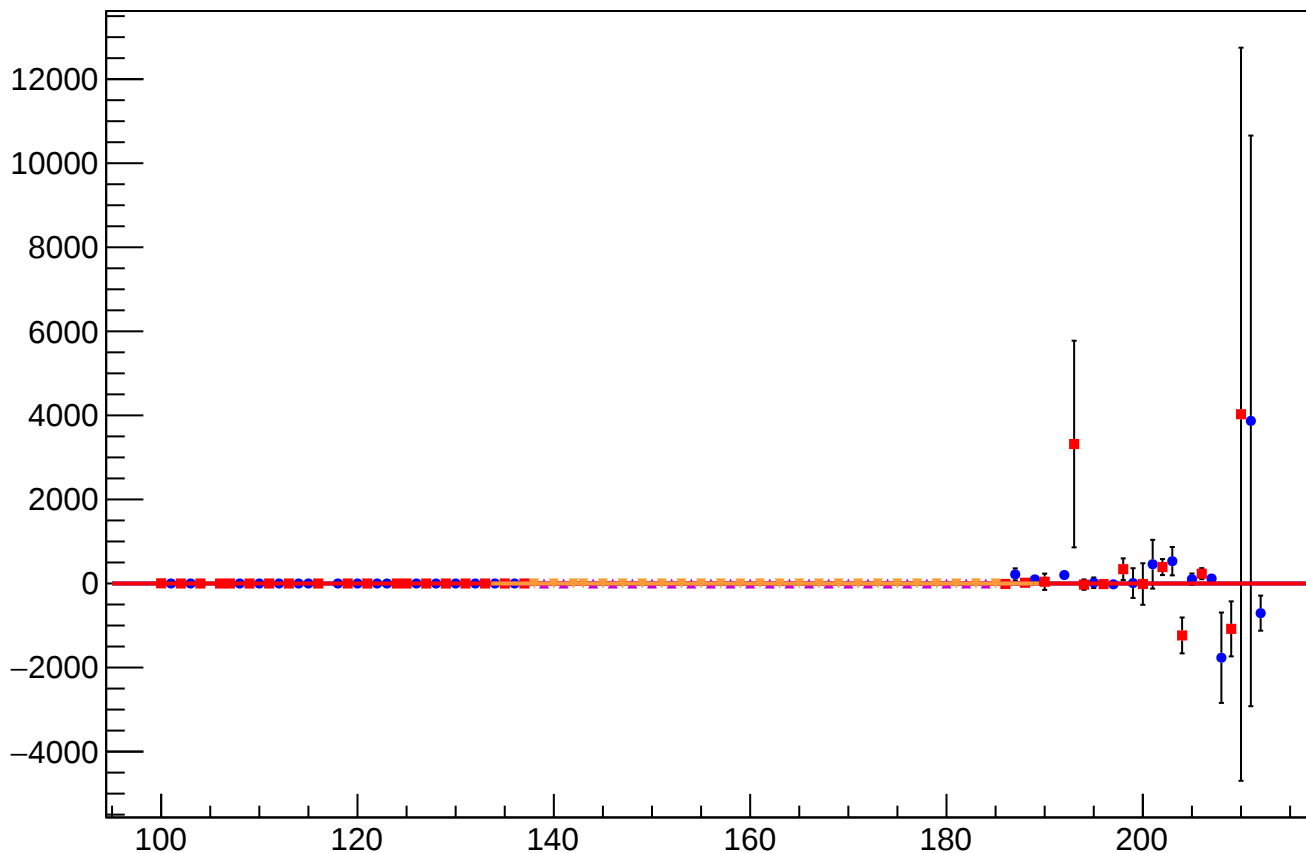
Left In: 0.002 ± 0.028 χ^2/NDF : 29.0/22

+ sign 0.017 ± 0.027 χ^2/NDF : 55.1/37

All: 0.010 ± 0.019 χ^2/NDF : 141.2/73

- sign 0.003 ± 0.028 χ^2/NDF : 86.0/35

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 44.9/29

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 41.2/31

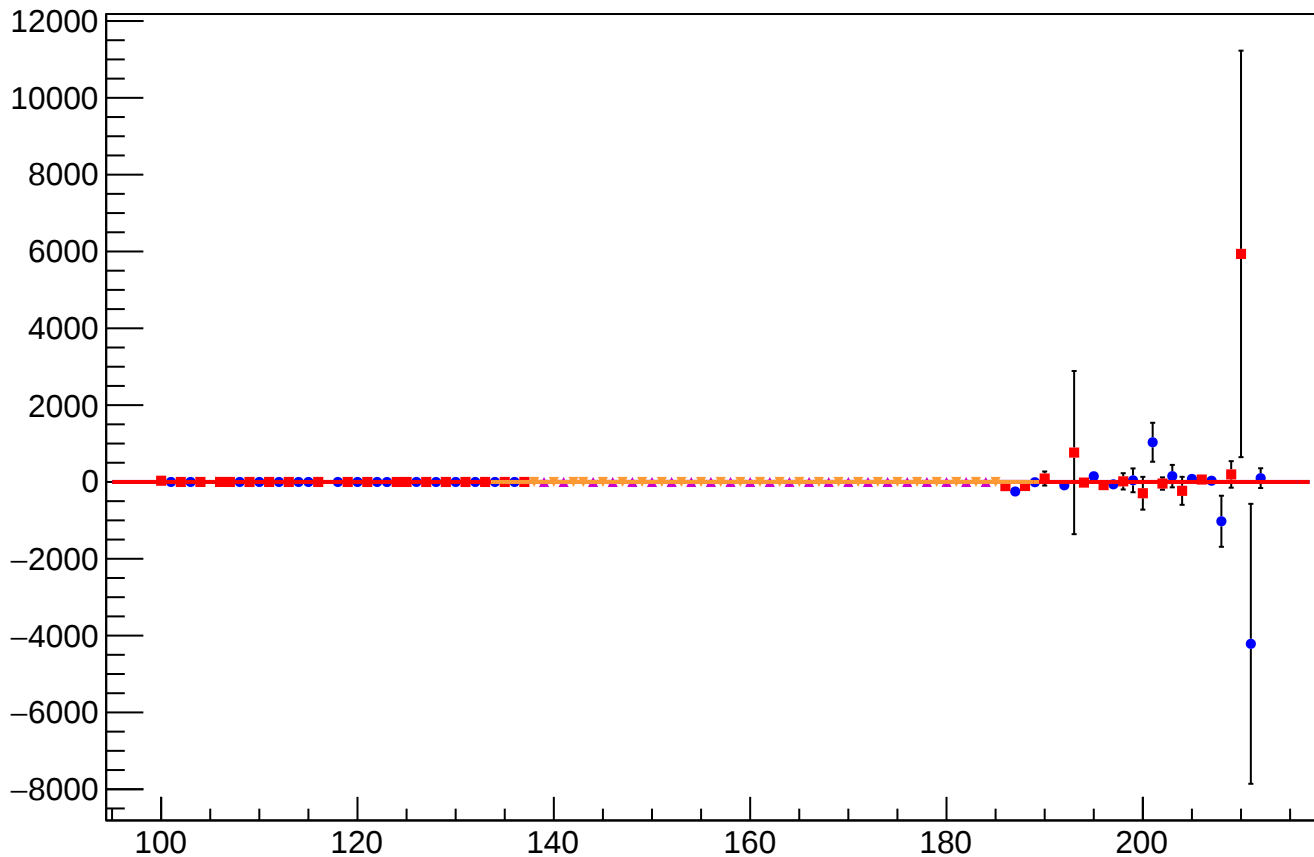
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 70.3/54

All: -0.066 ± 0.013 χ^2/NDF : 163.2/109

- sign -0.083 ± 0.019 χ^2/NDF : 91.3/54

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 50.0/29

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 80.7/31

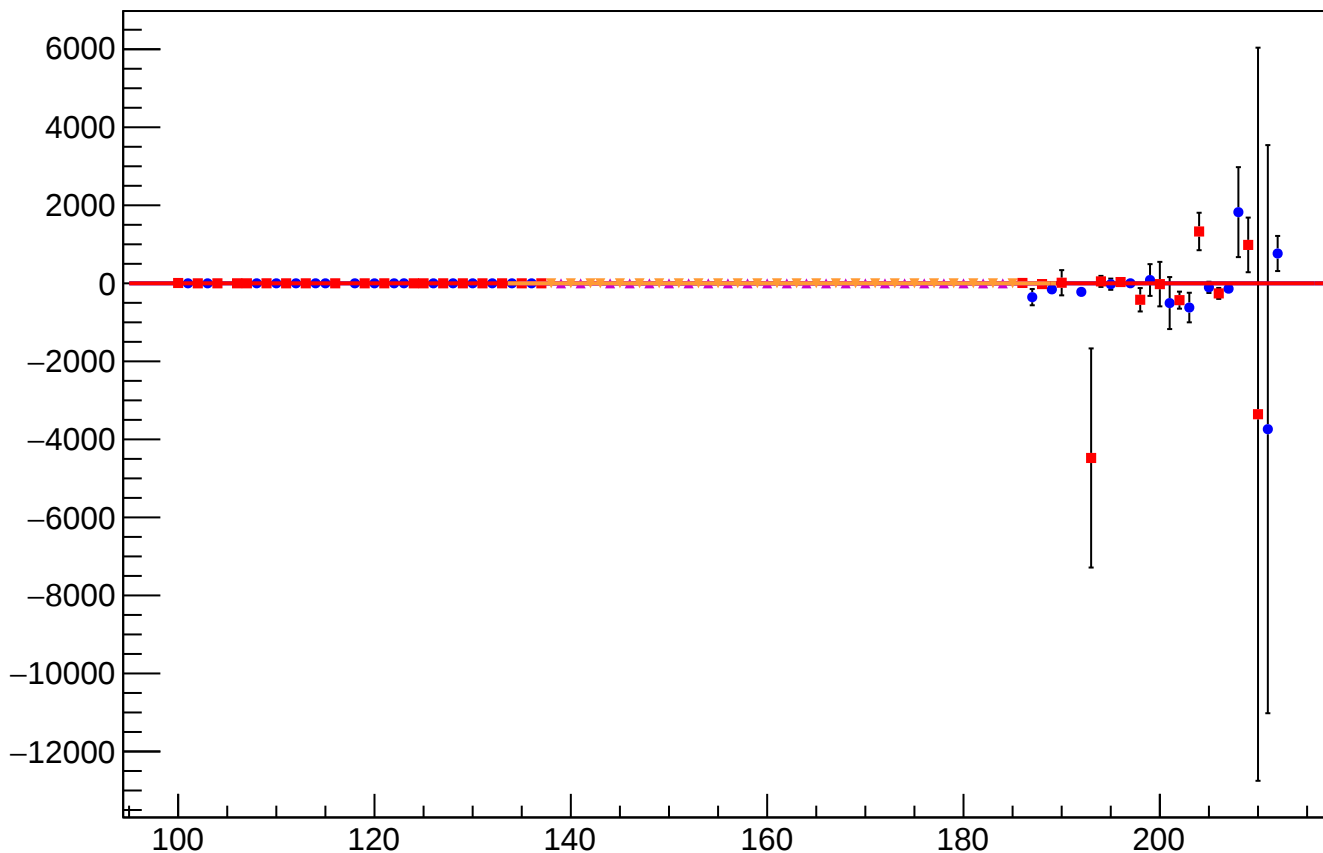
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 81.6/54

All: -0.042 ± 0.018 χ^2/NDF : 194.1/109

- sign -0.050 ± 0.026 χ^2/NDF : 112.3/54

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 $\pm$ 0.043 χ^2 /NDF: 43.7/29

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 38.7/31

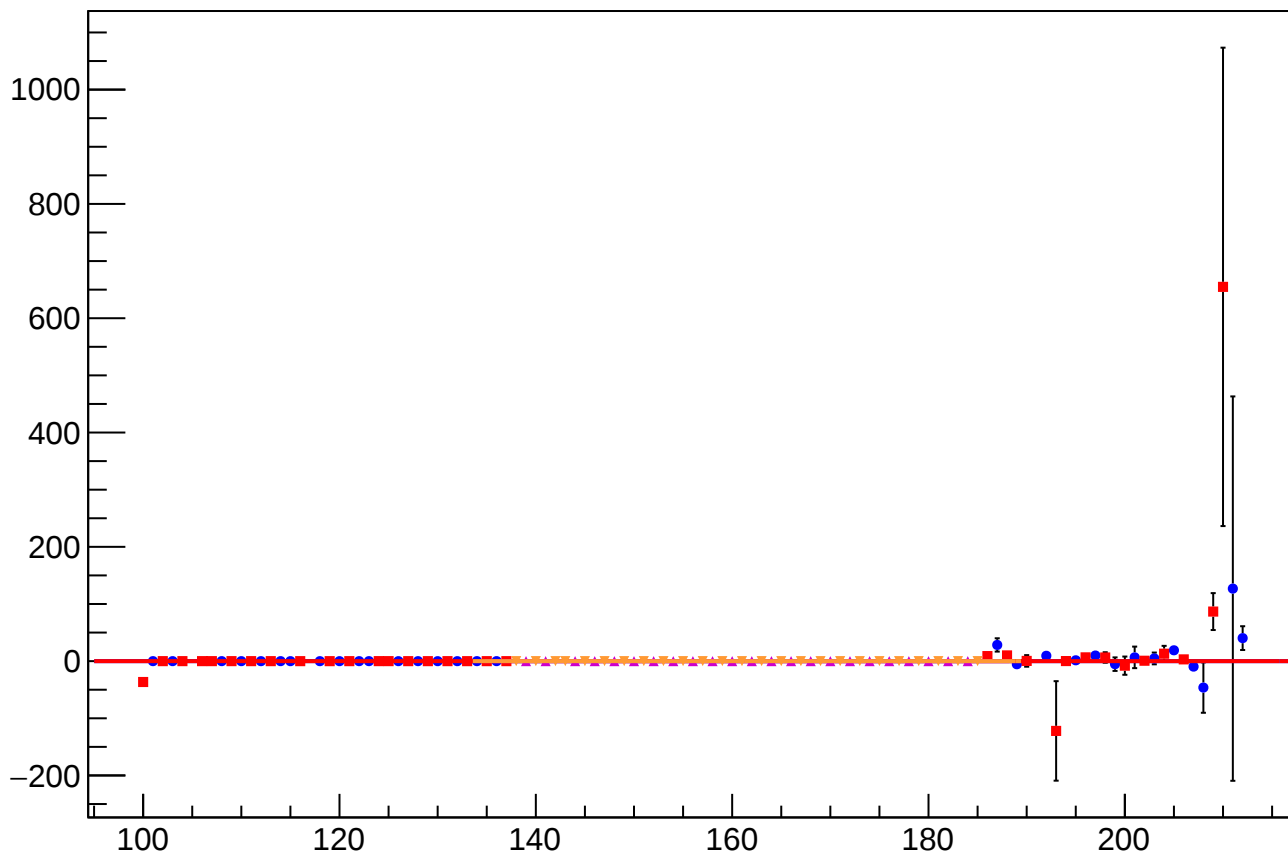
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 69.2/54

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 163.1/109

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 92.7/54

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 67.9/29

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10484.0/31

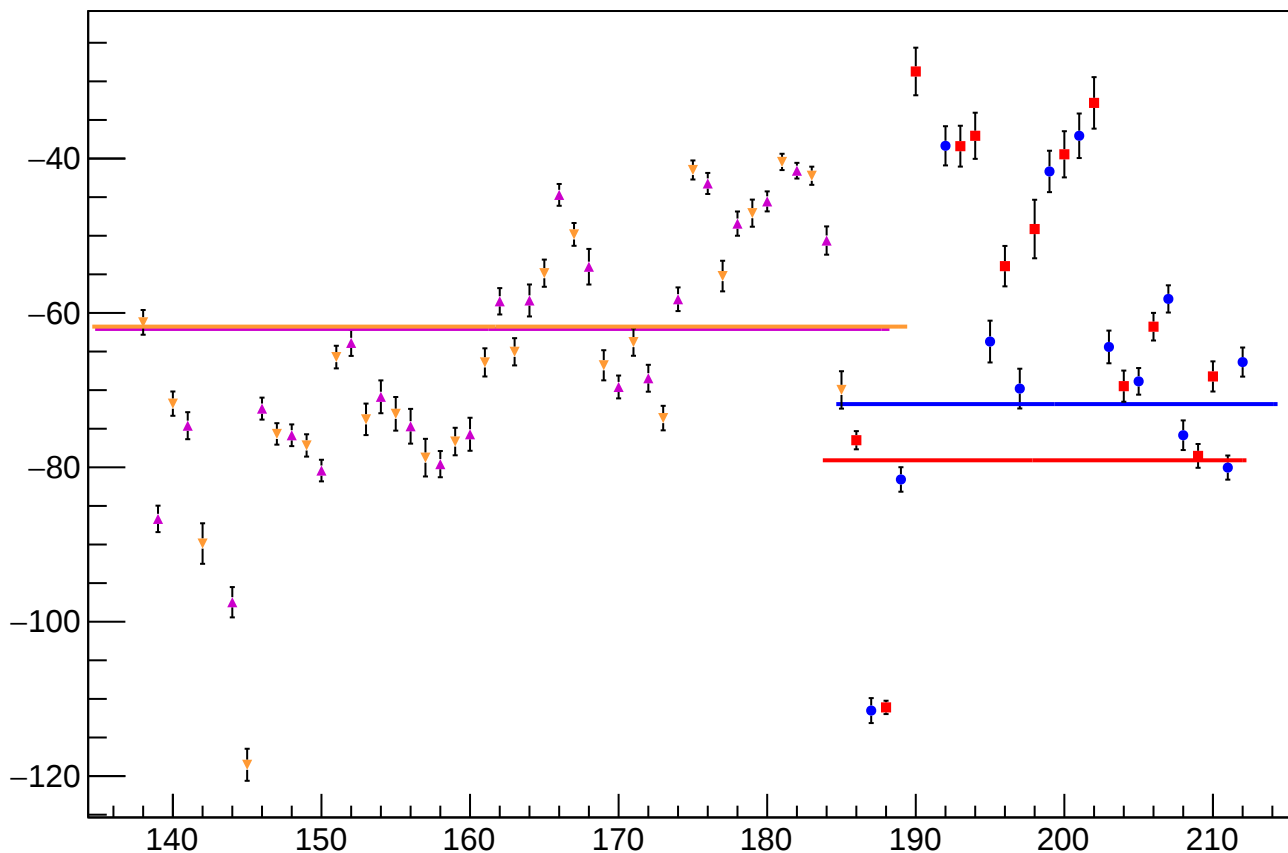
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 102.3/54

All: 0.007 ± 0.001 χ^2/NDF : 10611.8/109

- sign 0.007 ± 0.001 χ^2/NDF : 10509.4/54

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.808 ± 0.549 $\chi^2/\text{NDF}: 1210.3/12$

Left Out: -61.771 ± 0.334 $\chi^2/\text{NDF}: 2504.9/23$

Right Out: -79.090 ± 0.495 $\chi^2/\text{NDF}: 2748.8/12$

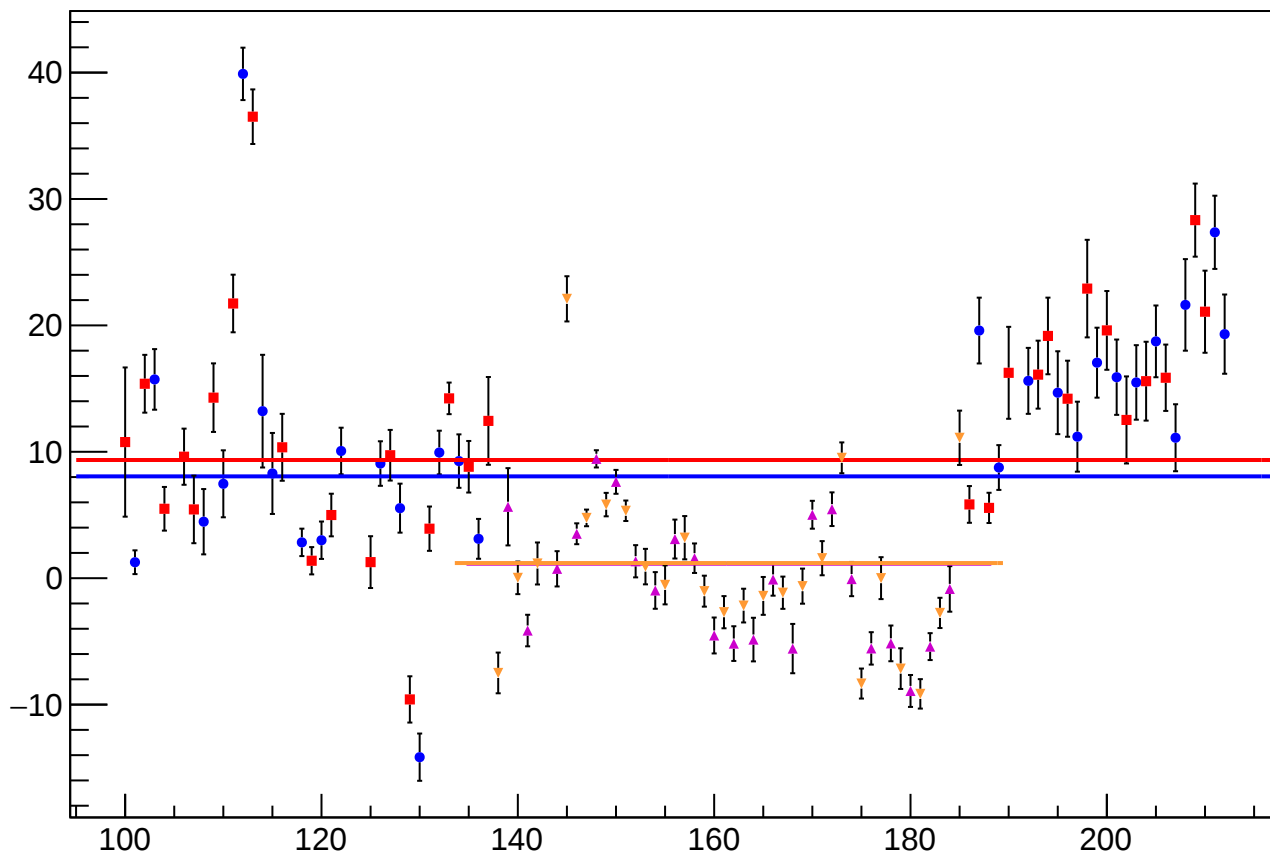
Left In: -62.073 ± 0.332 $\chi^2/\text{NDF}: 2192.0/22$

+ sign -64.484 ± 0.285 $\chi^2/\text{NDF}: 3959.5/36$

All: -65.968 ± 0.198 $\chi^2/\text{NDF}: 9766.7/72$

- sign -67.356 ± 0.276 $\chi^2/\text{NDF}: 5754.8/35$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 8.056 ± 0.373 χ^2/NDF : 636.5/28

Left Out: 1.198 ± 0.253 χ^2/NDF : 526.3/23

Right Out: 9.351 ± 0.373 χ^2/NDF : 544.1/30

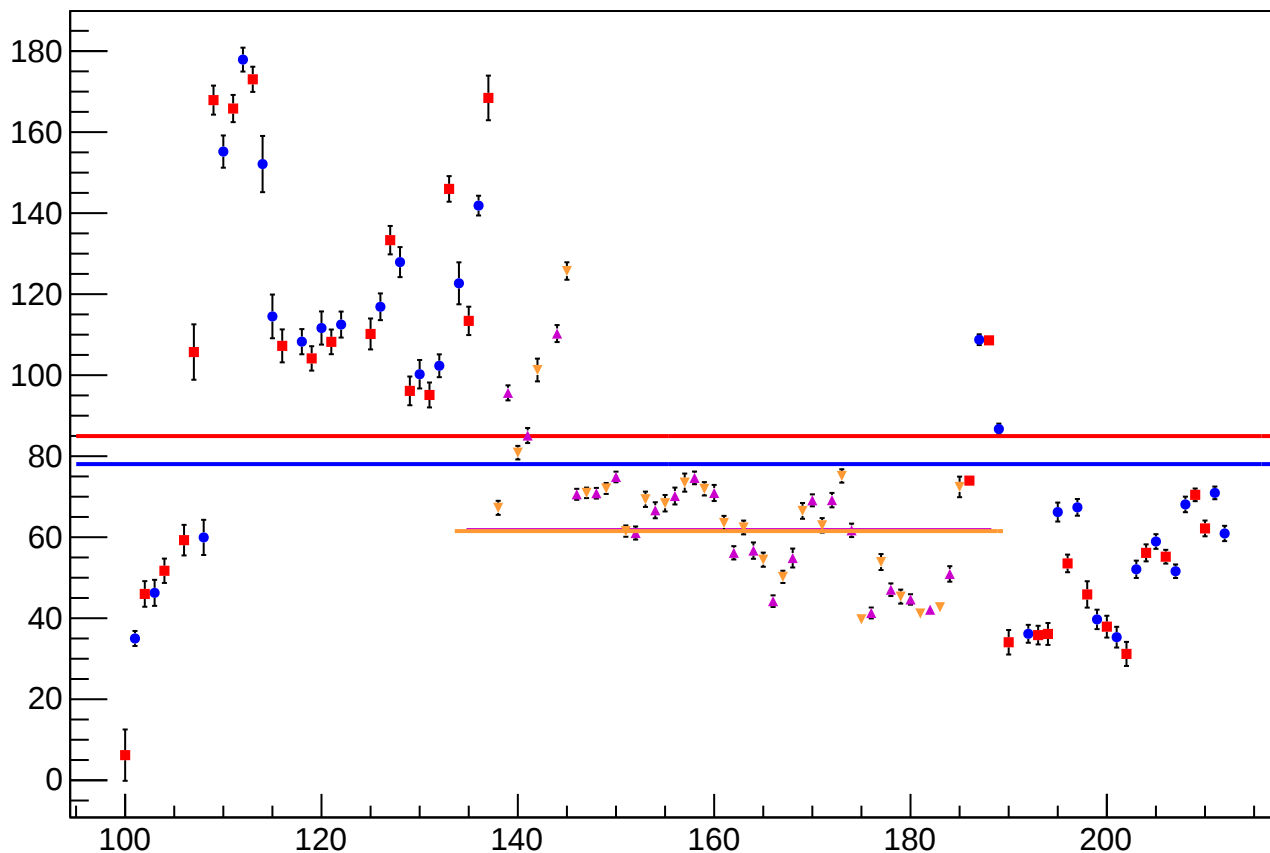
Left In: 1.146 ± 0.255 χ^2/NDF : 462.9/22

+ sign 3.351 ± 0.209 χ^2/NDF : 1394.3/52

All: 3.556 ± 0.148 χ^2/NDF : 2732.8/106

- sign 3.765 ± 0.211 χ^2/NDF : 1336.6/53

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 78.049 $\pm$ 0.429 χ^2 /NDF: 5964.8/28

Left Out: 61.512 $\pm$ 0.332 χ^2 /NDF:2606.0/23

Right Out: 84.966 $\pm$ 0.382 χ^2 /NDF: 7517.6/30

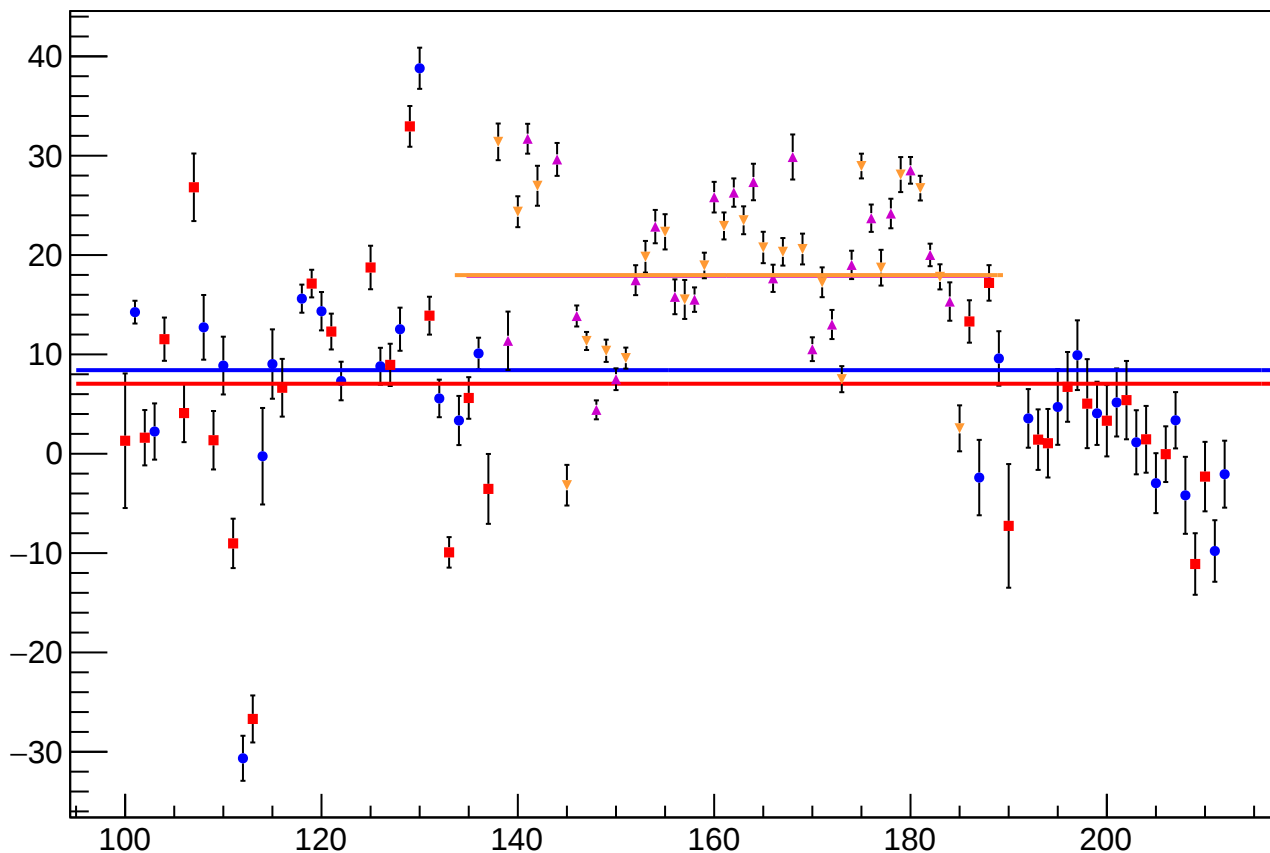
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF:2418.2/22

+ sign 67.709 $\pm$ 0.263 χ^2 /NDF: 9498.8/52

All: 69.801 $\pm$ 0.181 χ^2 /NDF: 21670.5/106

- sign 71.688 $\pm$ 0.250 χ^2 /NDF: 12051.2/53

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 8.414 ± 0.436 χ^2/NDF : 686.8/28

Left Out: 17.980 ± 0.291 χ^2/NDF : 674.4/23

Right Out: 7.047 ± 0.444 χ^2/NDF : 791.7/30

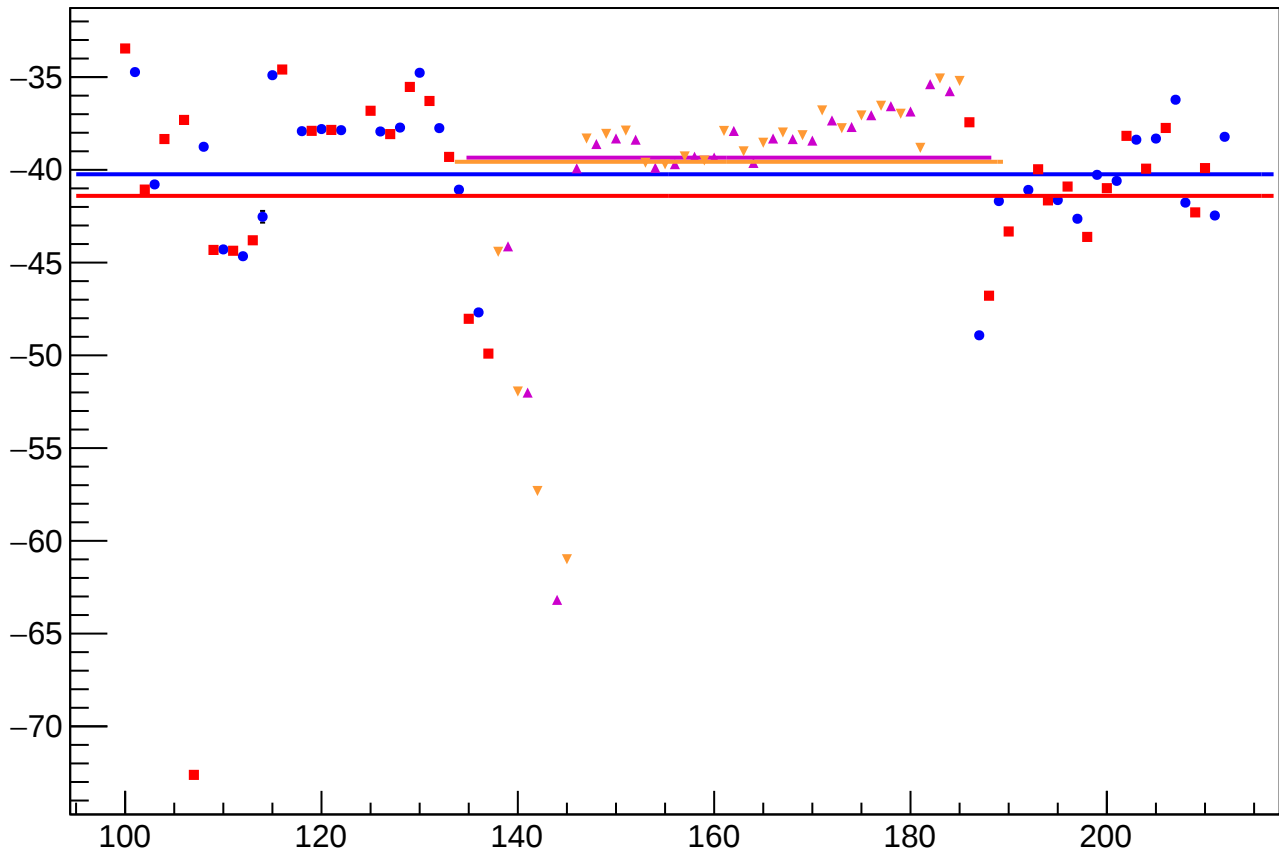
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 15.030 ± 0.242 χ^2/NDF : 1694.7/52

All: 14.833 ± 0.172 χ^2/NDF : 3631.8/106

- sign 14.633 ± 0.244 χ^2/NDF : 1935.8/53

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.239 ± 0.022 χ^2/NDF : 29841.9/28

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.403 ± 0.022 χ^2/NDF : 68679.9/30

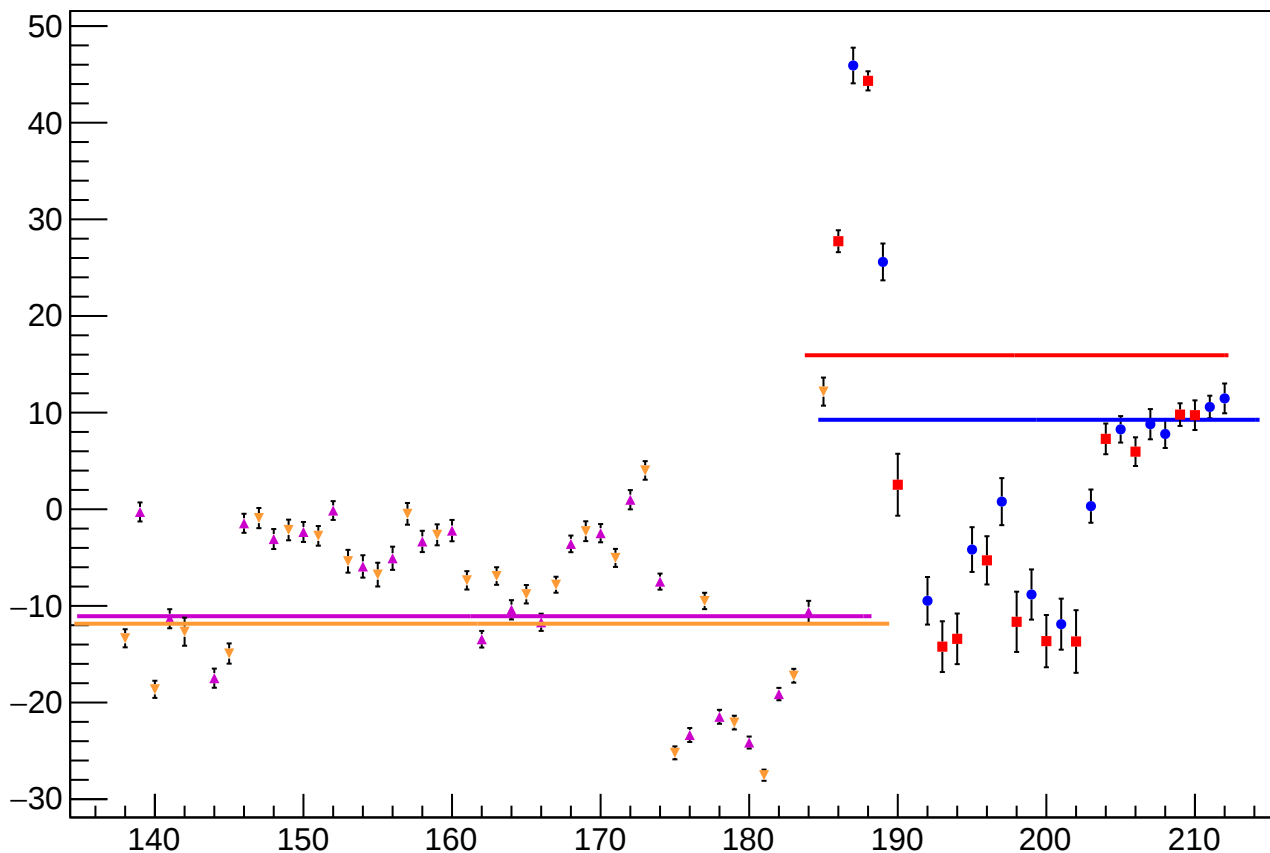
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.760 ± 0.012 χ^2/NDF : 171733.5/52

All: -39.846 ± 0.008 χ^2/NDF : 363670.7/106

- sign -39.930 ± 0.011 χ^2/NDF : 191828.6/53

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 9.258 ± 0.483 χ^2/NDF : 716.6/12

Left Out: -11.842 ± 0.187 χ^2/NDF : 2739.8/23

Right Out: 15.936 ± 0.462 χ^2/NDF : 1677.9/12

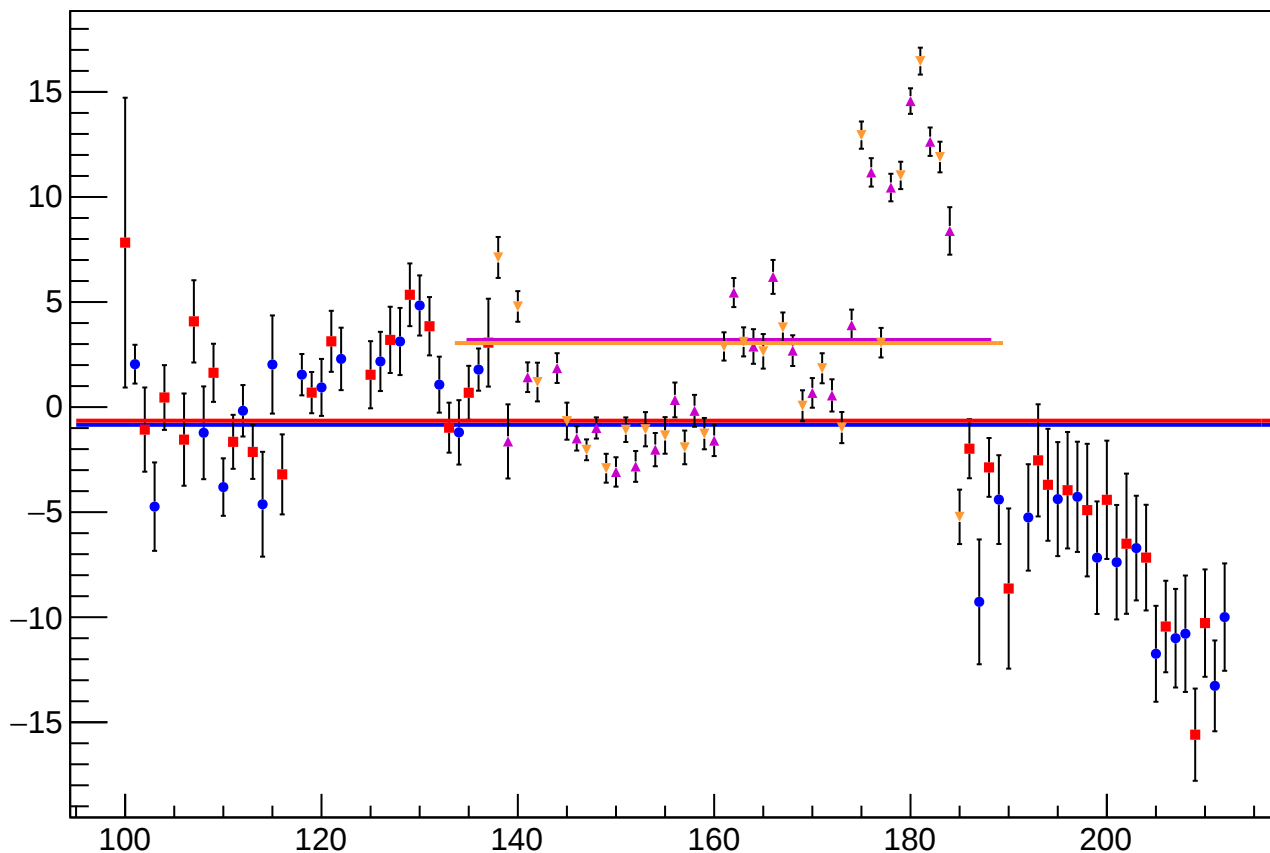
Left In: -11.067 ± 0.188 χ^2/NDF : 2104.8/22

+ sign -9.093 ± 0.174 χ^2/NDF : 5118.7/36

All: -8.162 ± 0.123 χ^2/NDF : 11889.3/72

- sign -7.232 ± 0.174 χ^2/NDF : 6713.5/35

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.842 ± 0.307 $\chi^2/\text{NDF}: 204.0/28$

Left Out: 3.047 ± 0.148 $\chi^2/\text{NDF}: 1457.2/23$

Right Out: -0.647 ± 0.308 $\chi^2/\text{NDF}: 167.2/30$

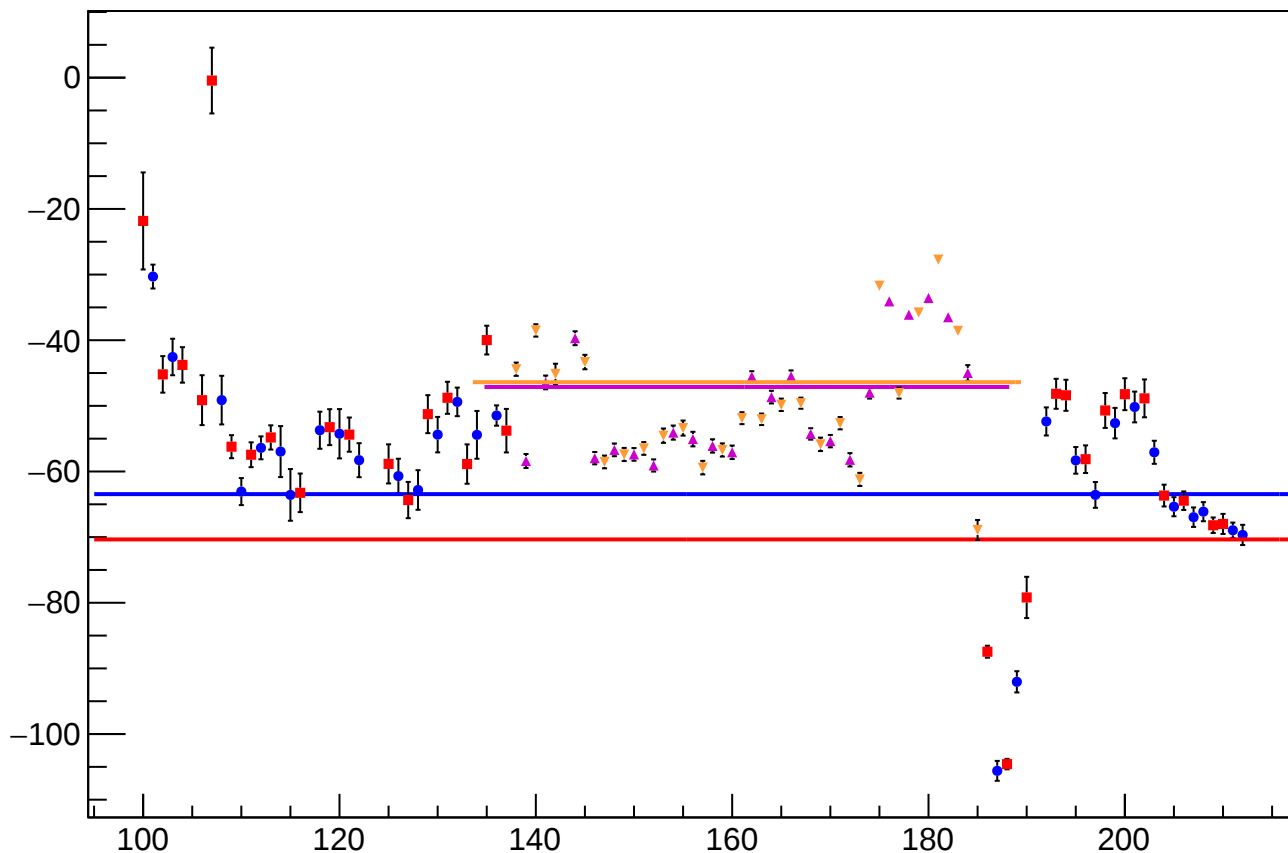
Left In: 3.194 ± 0.150 $\chi^2/\text{NDF}: 1295.0/22$

+ sign 2.314 ± 0.133 $\chi^2/\text{NDF}: 1791.6/52$

All: 2.385 ± 0.095 $\chi^2/\text{NDF}: 3379.9/106$

- sign 2.459 ± 0.135 $\chi^2/\text{NDF}: 1587.8/53$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -63.449 $\pm$ 0.367 χ^2/NDF : 1800.0/28

Left Out: -46.392 $\pm$ 0.187 χ^2/NDF : 3286.7/23

Right Out: -70.351 $\pm$ 0.342 χ^2/NDF : 3732.5/30

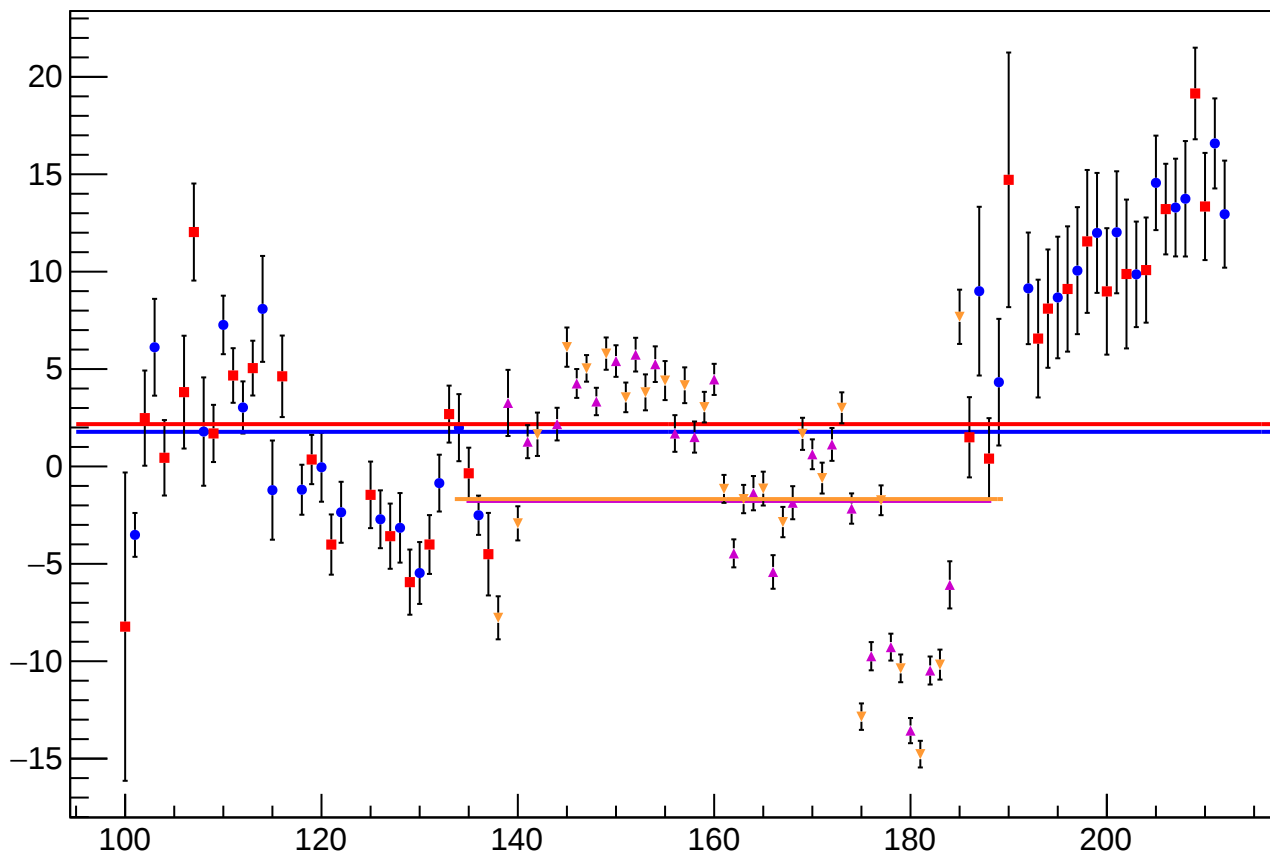
Left In: -47.128 $\pm$ 0.187 χ^2/NDF : 2516.0/22

+ sign -49.893 $\pm$ 0.166 χ^2/NDF : 6802.0/52

All: -51.200 $\pm$ 0.117 χ^2/NDF : 16716.3/106

- sign -52.474 $\pm$ 0.164 χ^2/NDF : 9792.3/53

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.777 ± 0.349 χ^2/NDF : 293.0/28

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 2.172 ± 0.355 χ^2/NDF : 245.6/30

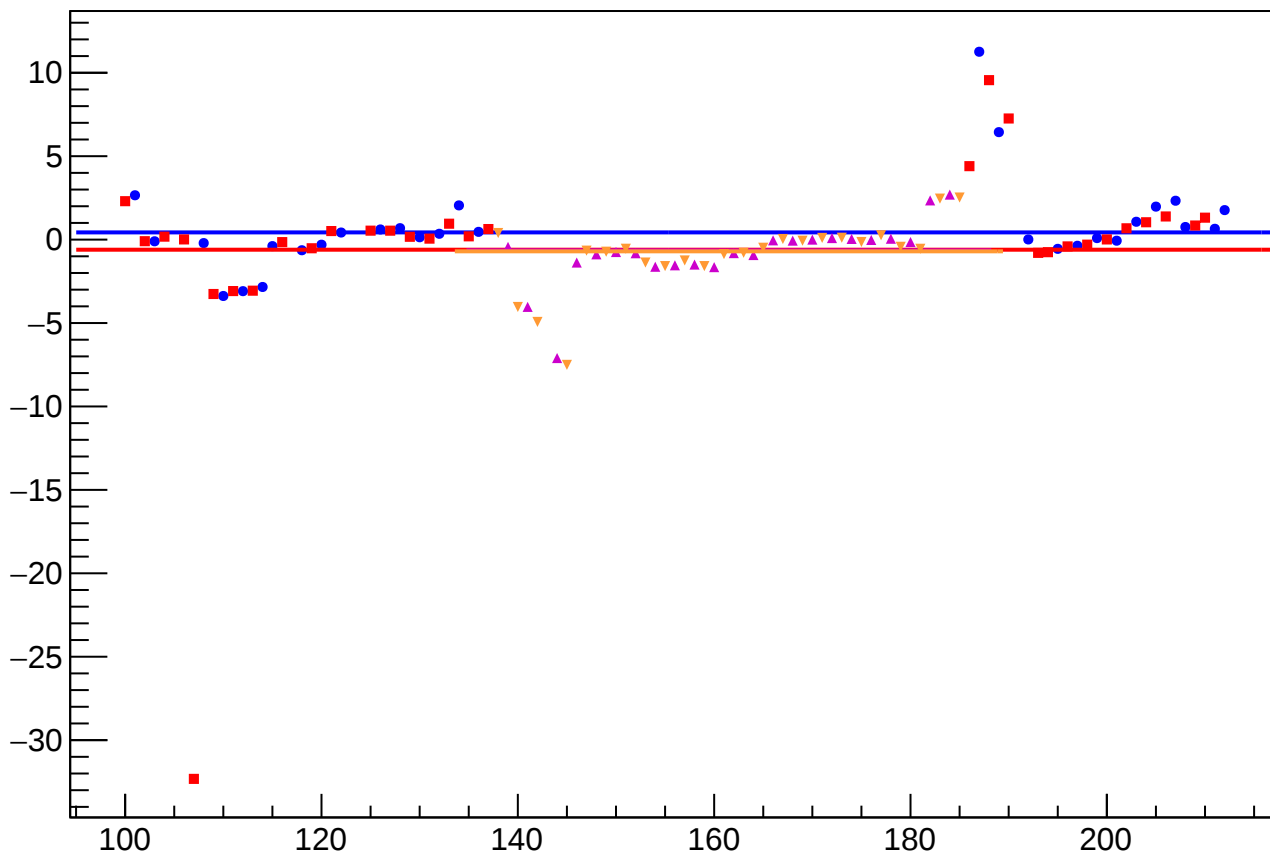
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.031 ± 0.151 χ^2/NDF : 1856.6/52

All: -1.037 ± 0.107 χ^2/NDF : 3453.9/106

- sign -1.044 ± 0.153 χ^2/NDF : 1597.3/53

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.432 ± 0.017 χ^2/NDF : 10079.5/28

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.605 ± 0.018 χ^2/NDF : 93792.8/30

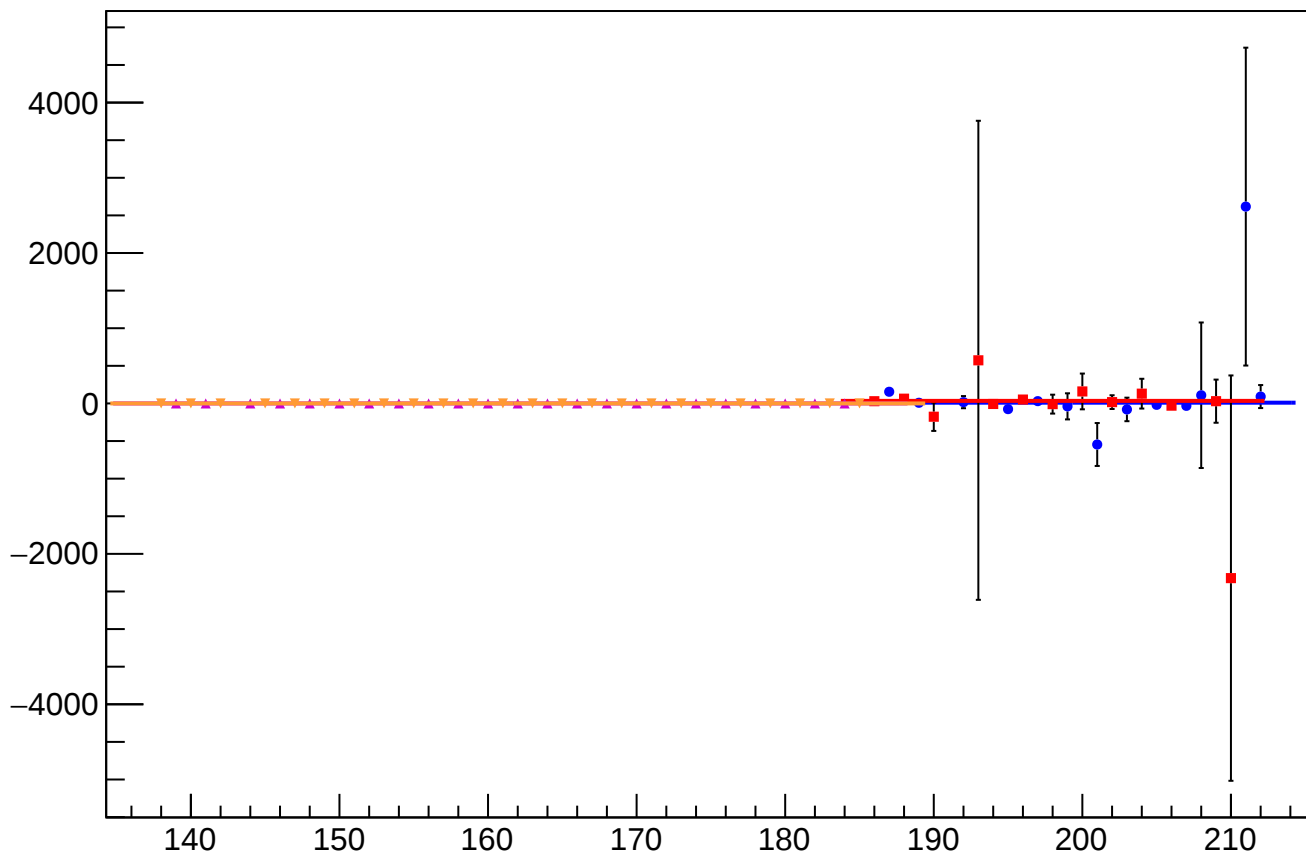
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.519 ± 0.007 χ^2/NDF : 67454.0/52

All: -0.578 ± 0.005 χ^2/NDF : 205562.3/106

- sign -0.638 ± 0.007 χ^2/NDF : 137966.1/53

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 9.963 $\pm$ 15.140 χ^2 /NDF: 21.2/12

Left Out: -0.037 $\pm$ 0.018 χ^2 /NDF: 35.4/23

Right Out: 33.957 $\pm$ 9.671 χ^2 /NDF: 7.3/12

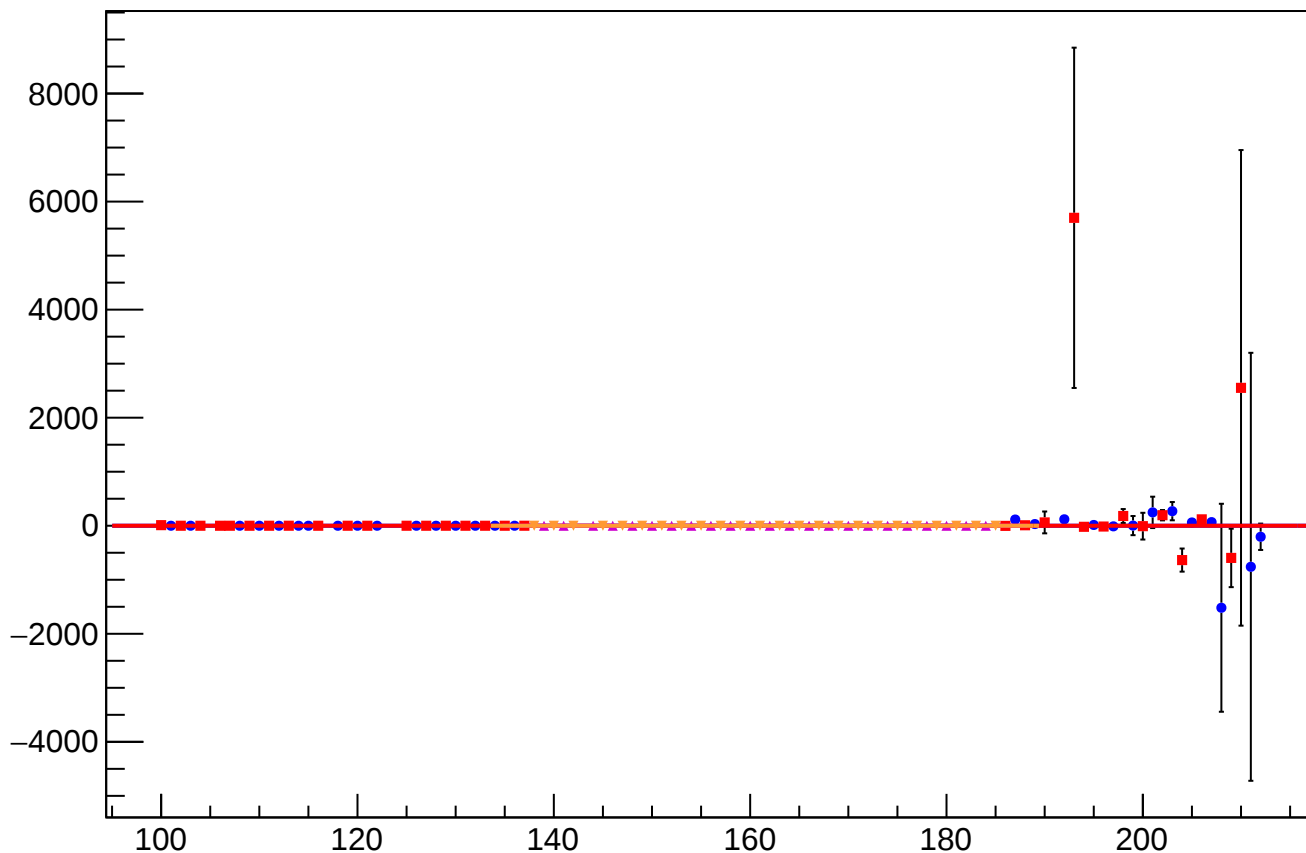
Left In: -0.010 $\pm$ 0.018 χ^2 /NDF: 35.1/22

+ sign -0.037 $\pm$ 0.018 χ^2 /NDF: 57.1/36

All: -0.024 $\pm$ 0.013 χ^2 /NDF: 113.0/72

- sign -0.010 $\pm$ 0.018 χ^2 /NDF: 54.8/35

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 24.9/28

Left Out: -0.073 $\pm$ 0.014 χ^2 /NDF: 27.8/23

Right Out: -0.088 $\pm$ 0.025 χ^2 /NDF: 36.3/30

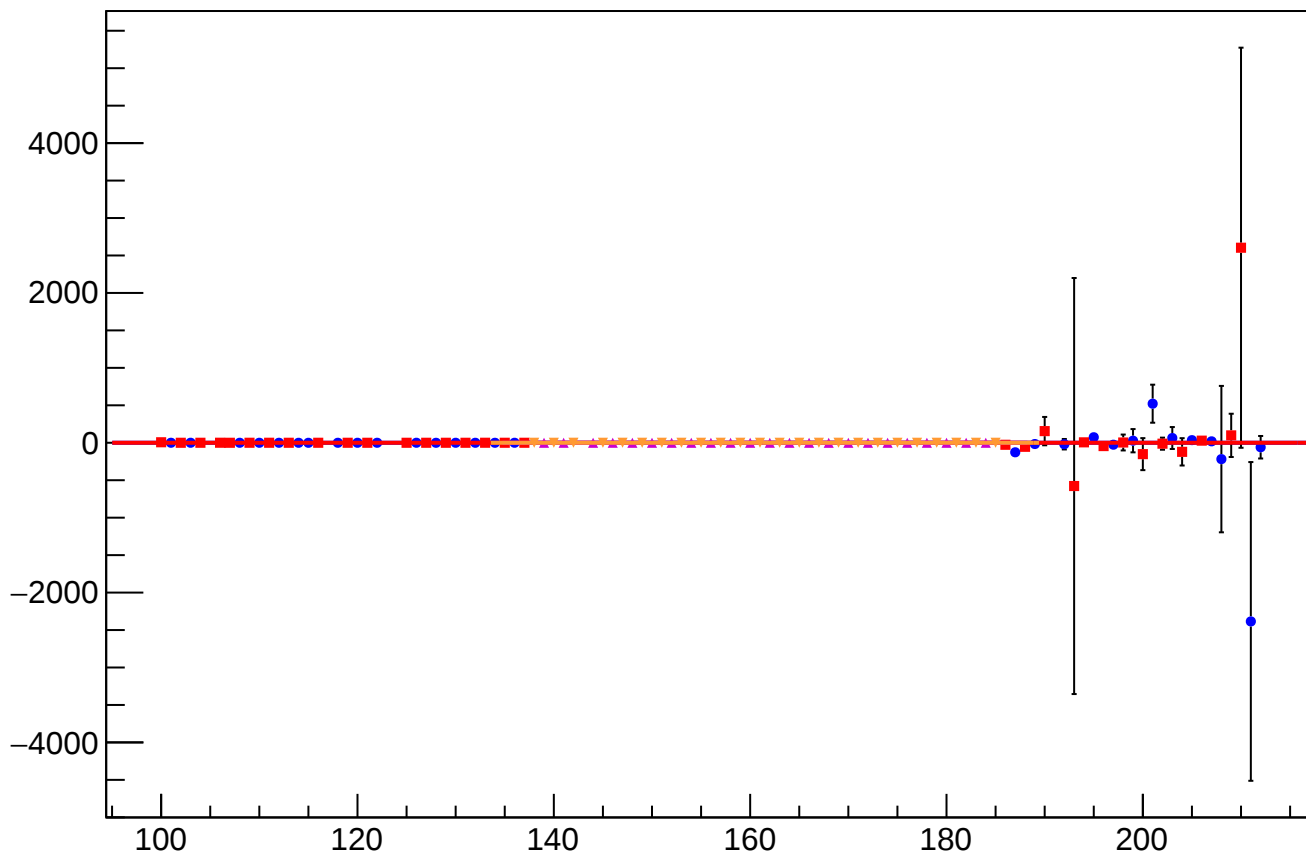
Left In: -0.064 $\pm$ 0.014 χ^2 /NDF: 41.1/22

+ sign -0.057 $\pm$ 0.012 χ^2 /NDF: 57.4/52

All: -0.063 $\pm$ 0.009 χ^2 /NDF: 136.0/106

- sign -0.070 $\pm$ 0.012 χ^2 /NDF: 78.1/53

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 31.6/28

Left Out: 0.035 $\pm$ 0.018 χ^2 /NDF:32.2/23

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 31.7/30

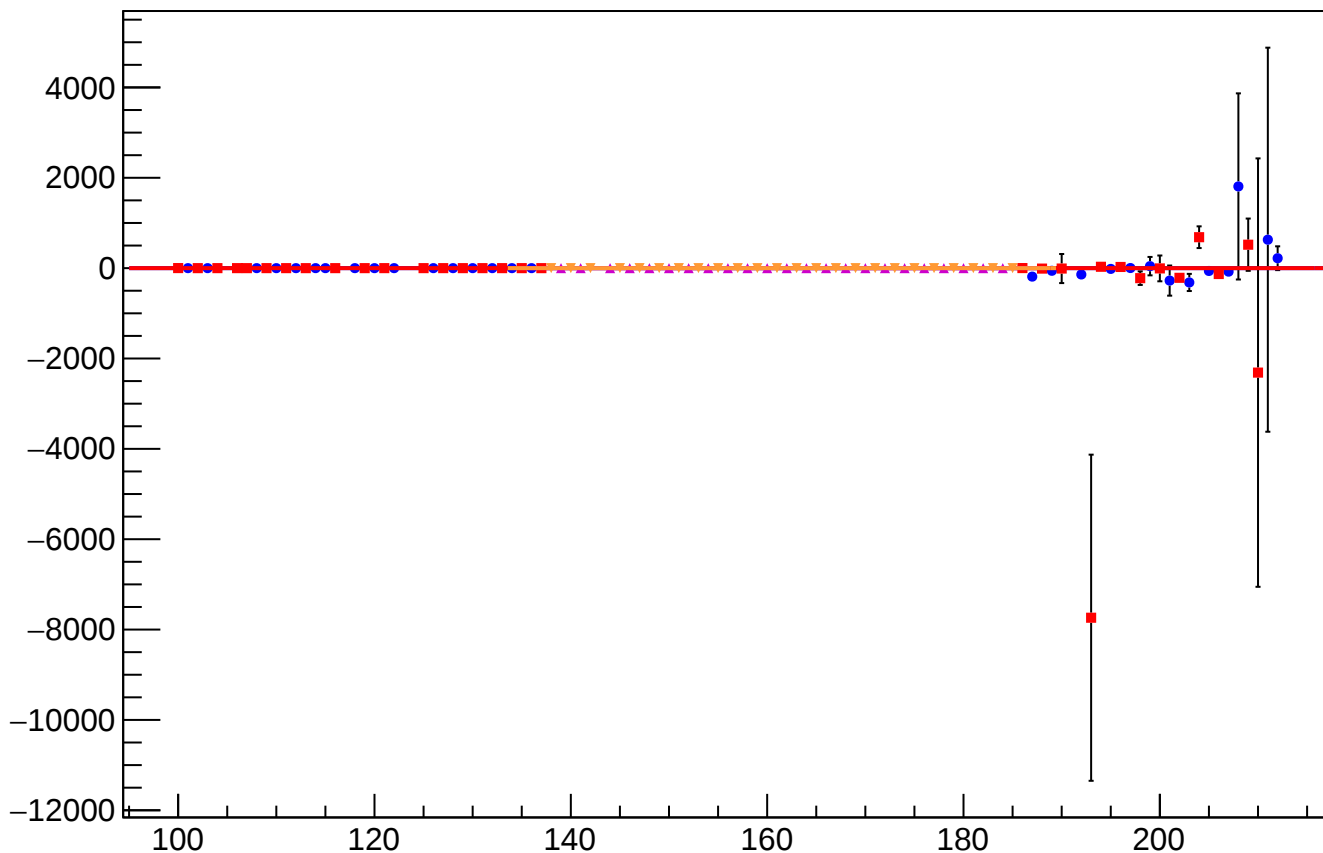
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 64.0/52

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 135.5/106

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 69.2/53

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 26.2/28

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF: 27.7/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 31.8/30

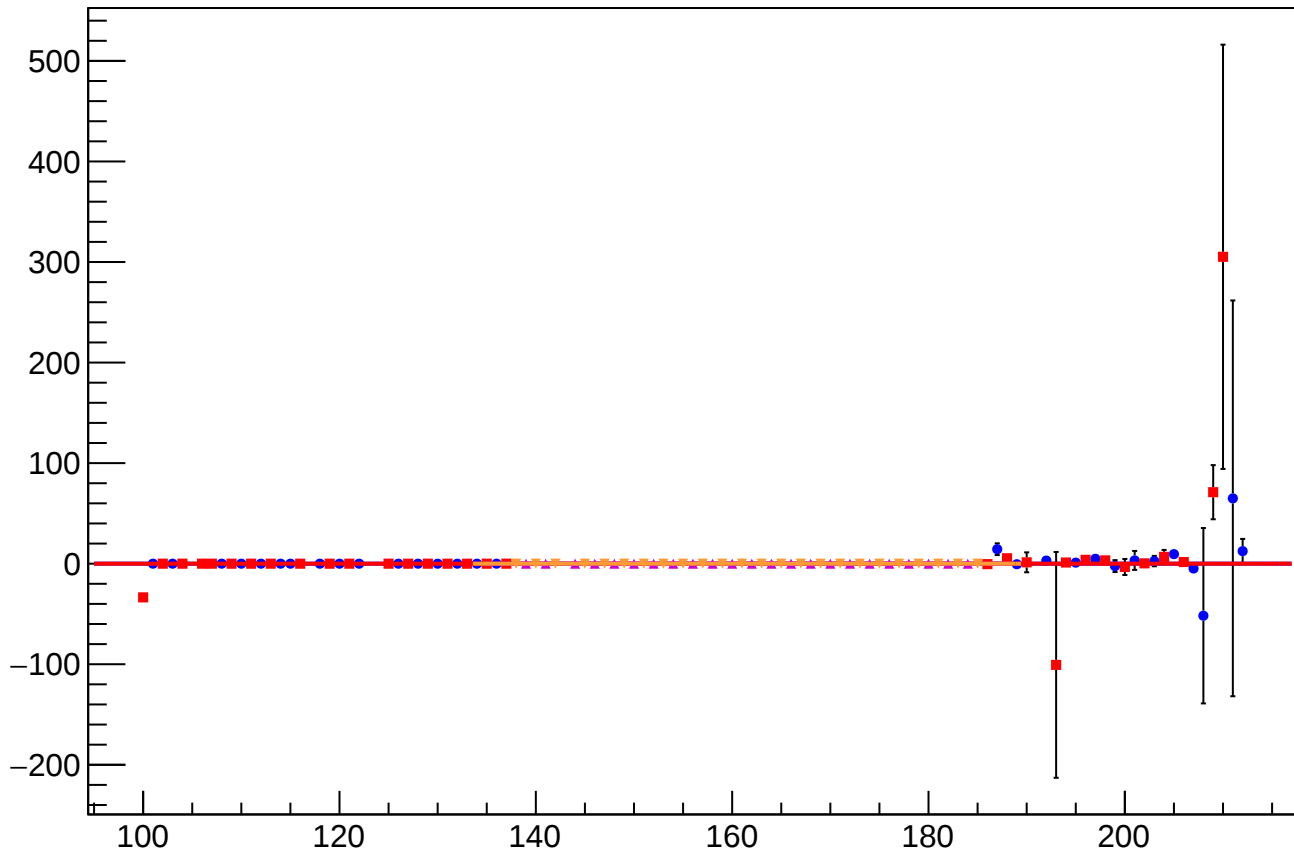
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF: 44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2 /NDF: 60.0/52

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 138.1/106

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 77.8/53

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 47.8/28

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26530.6/30

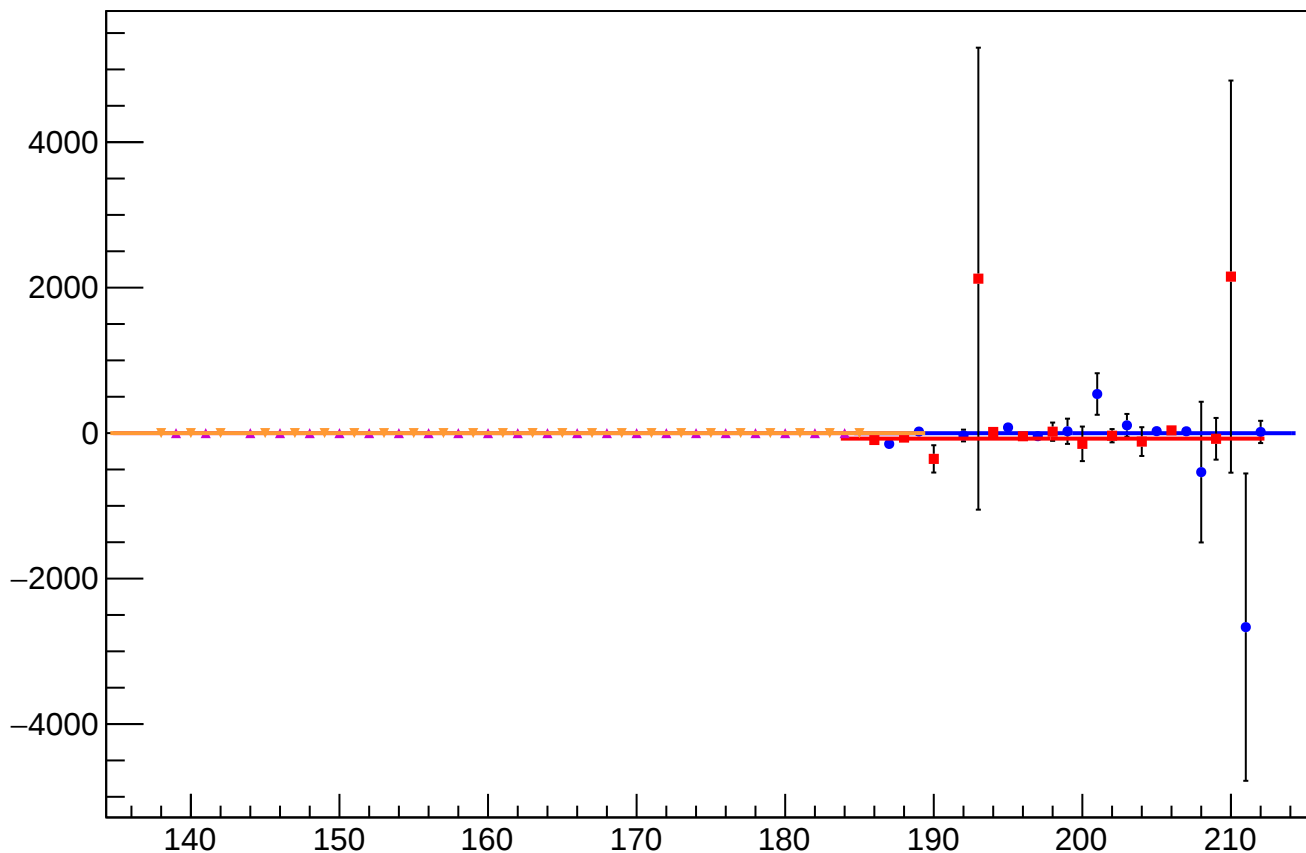
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 84.2/52

All: -0.001 ± 0.000 χ^2/NDF : 26651.1/106

- sign -0.001 ± 0.001 χ^2/NDF : 26566.9/53

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -1.189 ± 15.135 χ^2/NDF : 21.8/12

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -75.530 ± 9.673 χ^2/NDF : 16.0/12

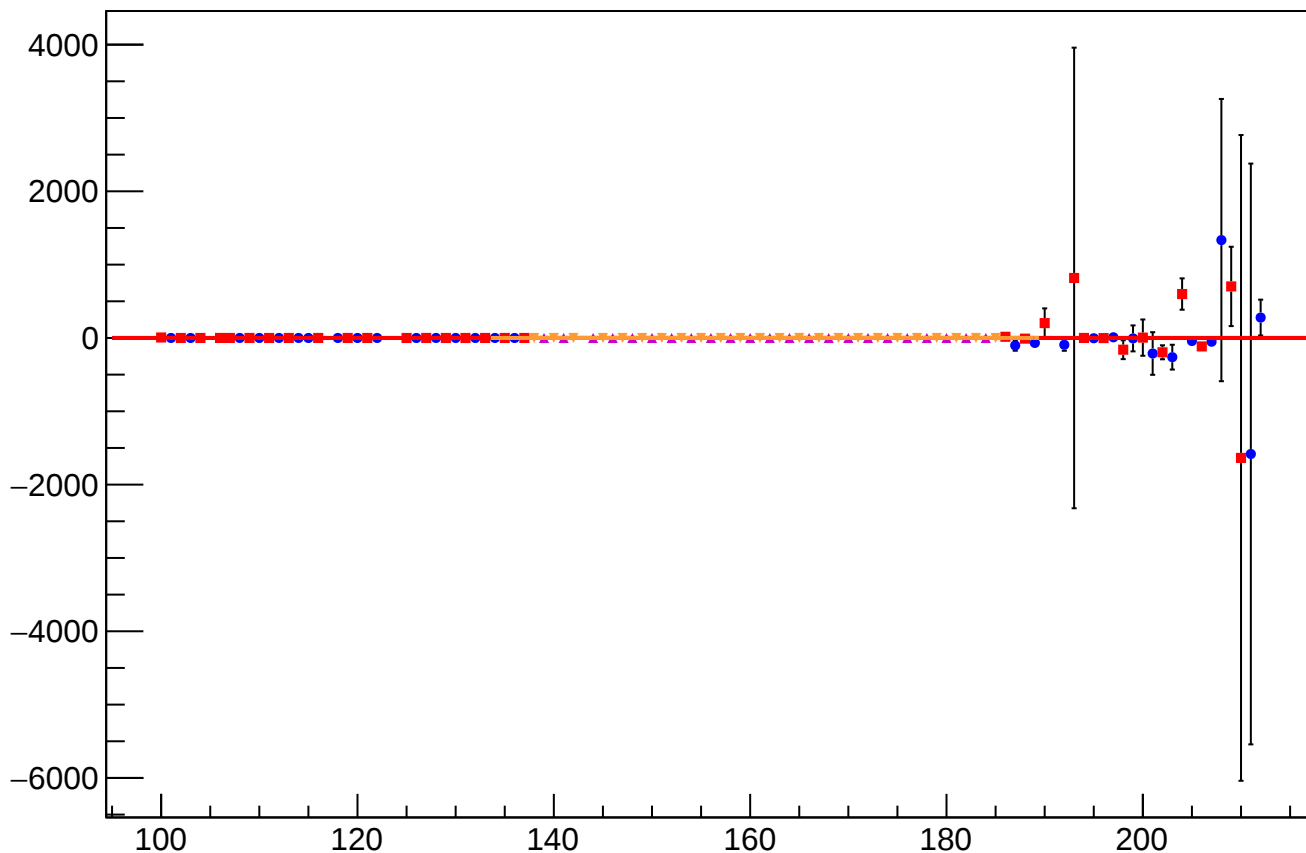
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 59.1/36

All: -0.031 ± 0.013 χ^2/NDF : 174.0/72

- sign -0.009 ± 0.018 χ^2/NDF : 112.1/35

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.007 ± 0.023 χ^2/NDF : 39.2/28

Left Out: -0.011 ± 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 49.5/30

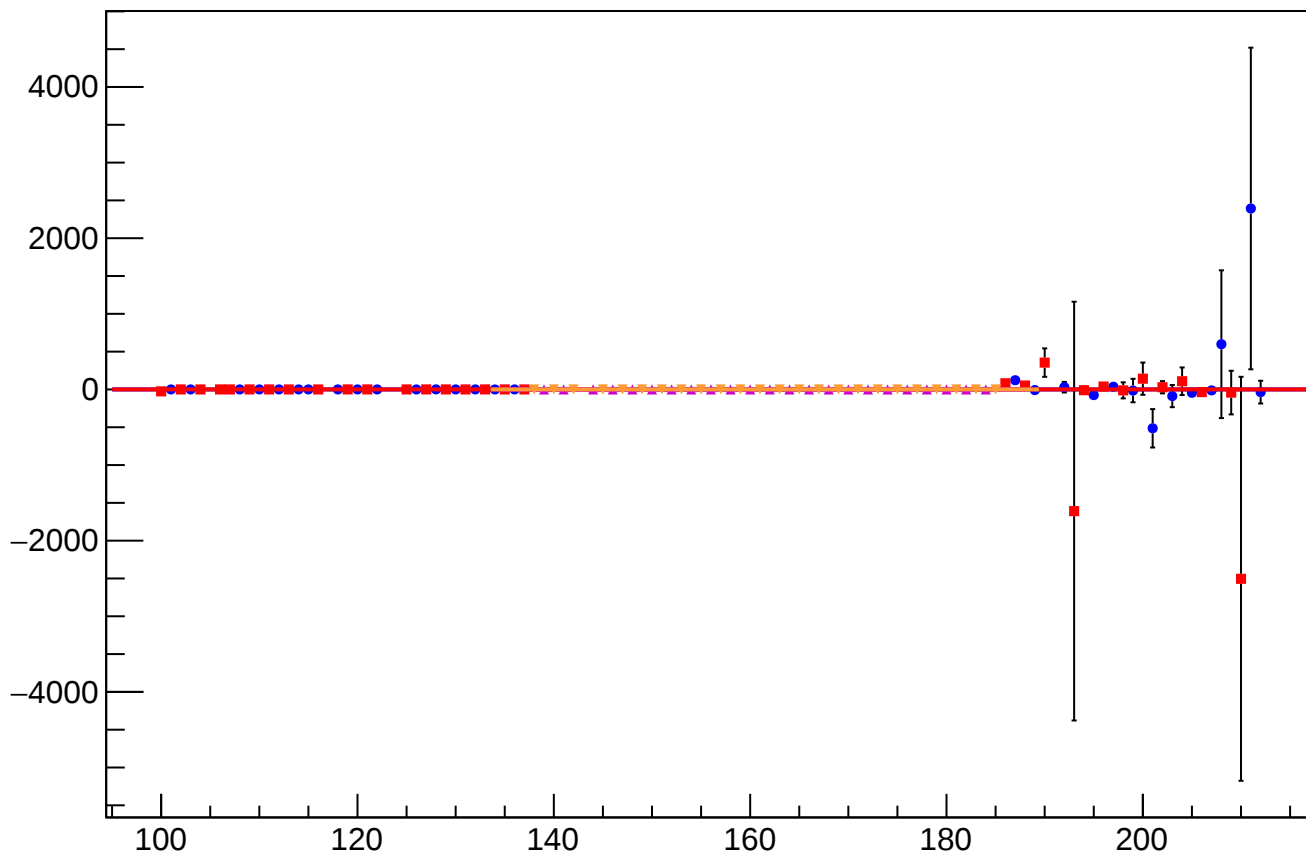
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 69.2/52

All: 0.003 ± 0.009 χ^2/NDF : 170.7/106

- sign 0.013 ± 0.012 χ^2/NDF : 100.3/53

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 51.9/28

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 109.5/30

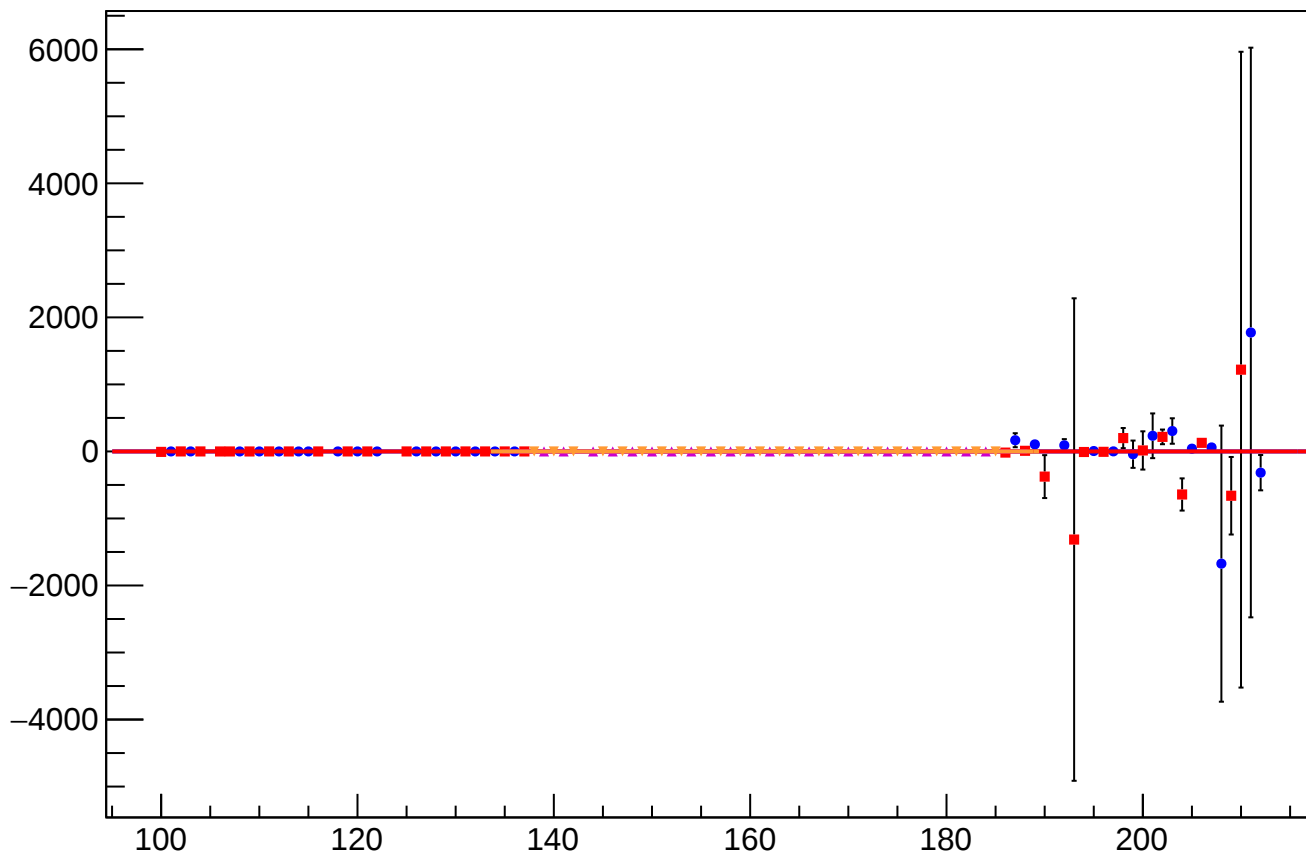
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF:35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2 /NDF: 92.7/52

All: 0.054 $\pm$ 0.012 χ^2 /NDF: 252.1/106

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 158.7/53

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 39.1/28

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 46.0/30

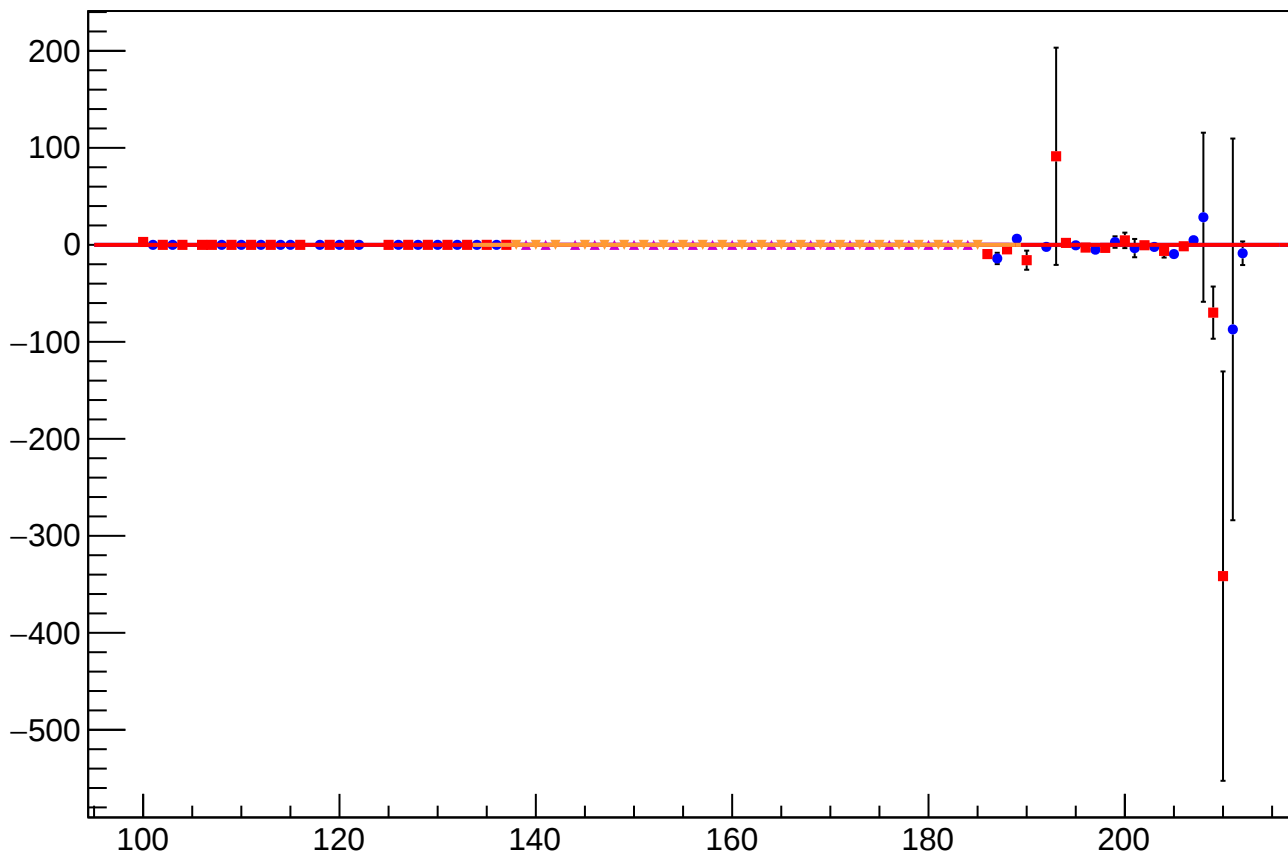
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 73.4/52

All: 0.004 ± 0.010 χ^2/NDF : 173.1/106

- sign -0.007 ± 0.014 χ^2/NDF : 98.7/53

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 58.4/28

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 224.2/30

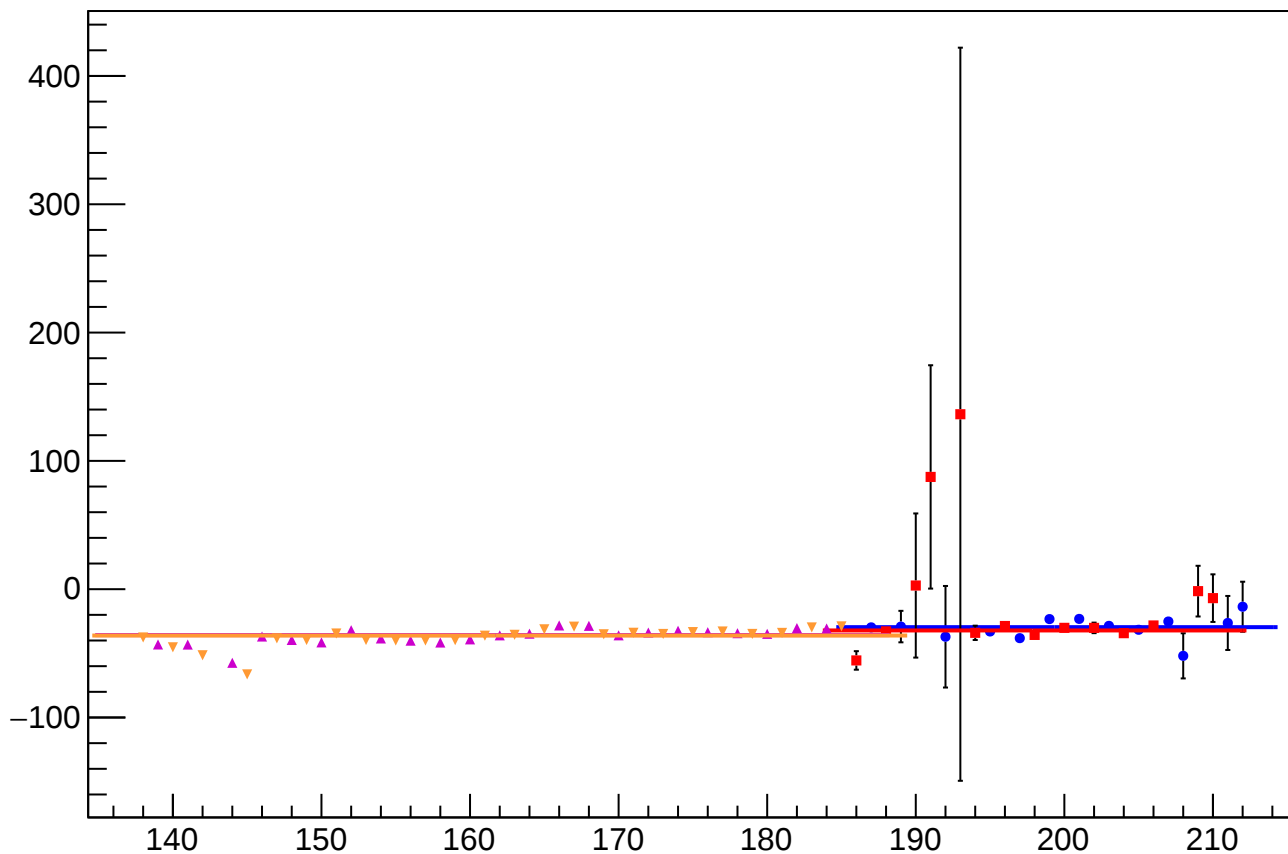
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 92.1/52

All: -0.008 ± 0.000 χ^2/NDF : 356.7/106

- sign -0.008 ± 0.001 χ^2/NDF : 264.4/53

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.593 ± 0.857 χ^2/NDF : 26.4/12

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.155 ± 0.807 χ^2/NDF : 25.0/13

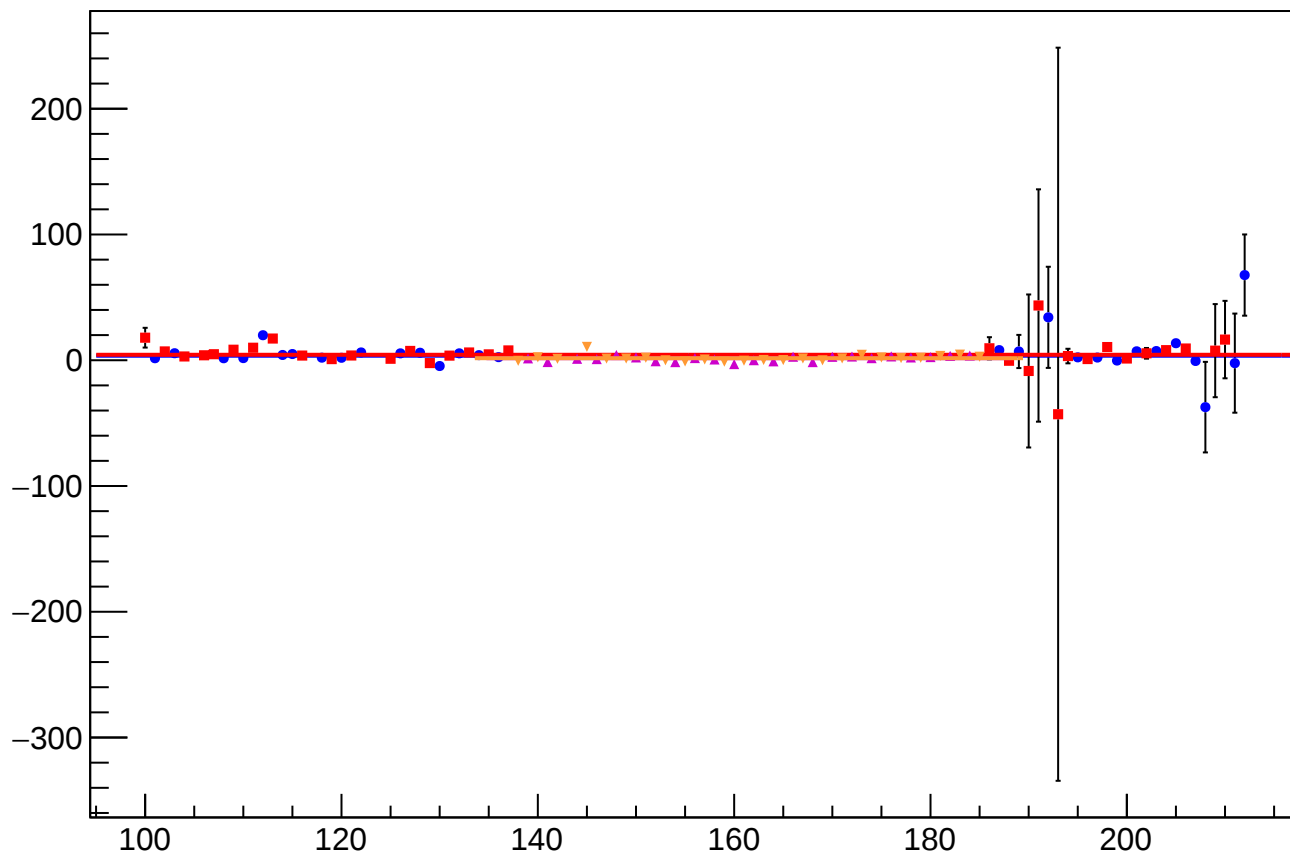
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.808 ± 0.187 χ^2/NDF : 1196.6/36

All: -35.697 ± 0.132 χ^2/NDF : 2095.5/73

- sign -35.586 ± 0.186 χ^2/NDF : 898.2/36

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.602 ± 0.217 χ^2/NDF : 462.1/28

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.349 ± 0.221 χ^2/NDF : 369.1/31

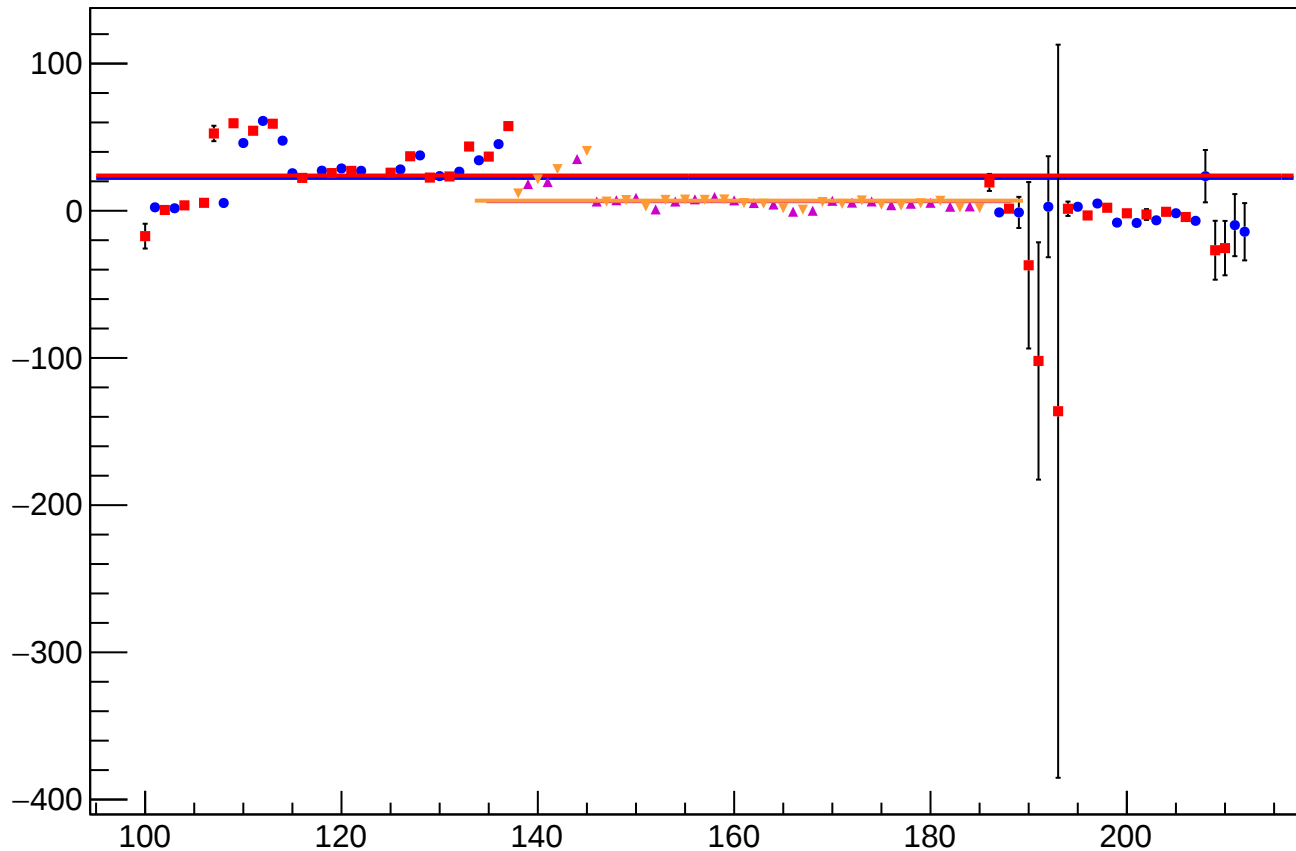
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.259 ± 0.122 χ^2/NDF : 685.0/52

All: 2.375 ± 0.087 χ^2/NDF : 1322.4/107

- sign 2.493 ± 0.124 χ^2/NDF : 635.6/54

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 22.325 ± 0.370 χ^2/NDF : 2812.0/28

Left Out: 6.866 ± 0.191 χ^2/NDF : 1295.7/23

Right Out: 23.946 ± 0.362 χ^2/NDF : 3297.2/31

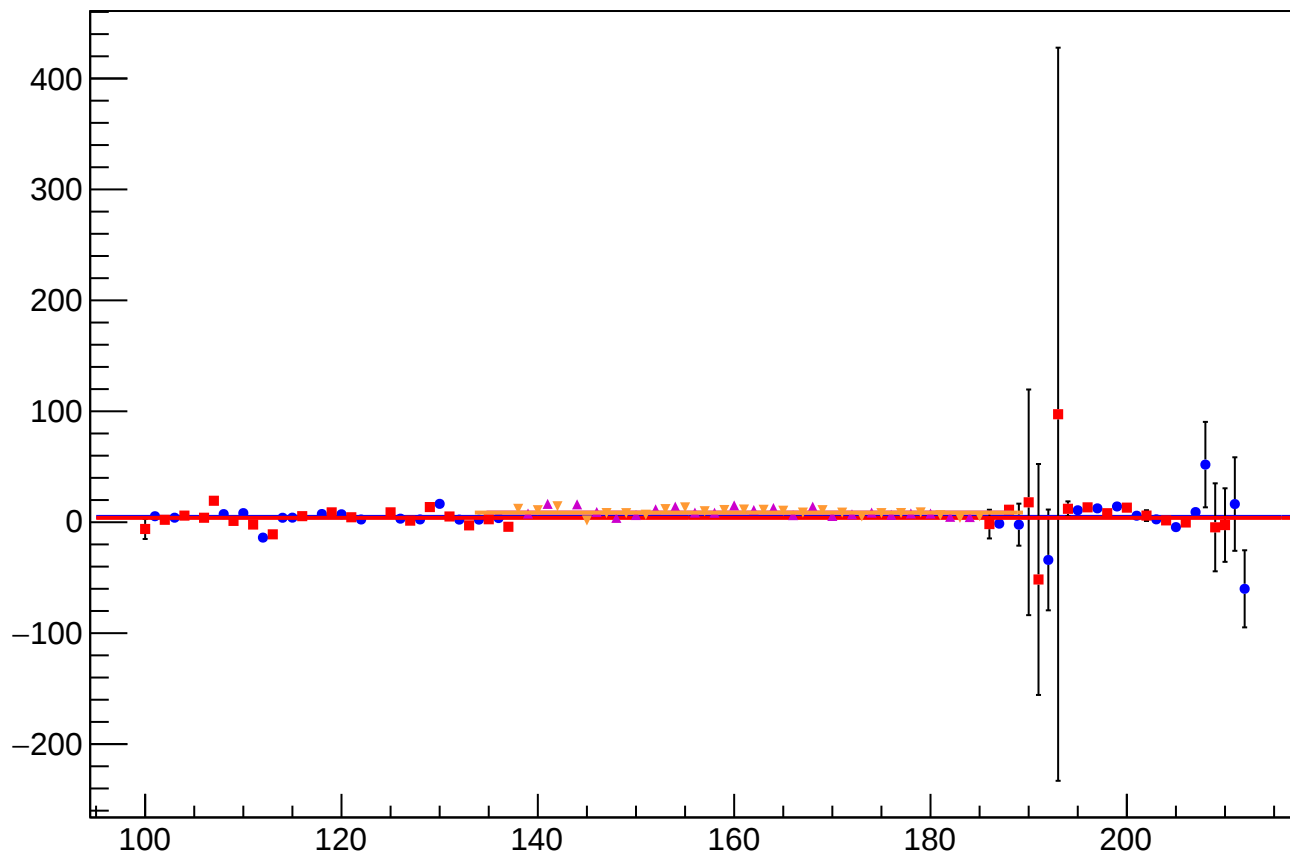
Left In: 6.537 ± 0.190 χ^2/NDF : 1025.1/22

+ sign 10.131 ± 0.170 χ^2/NDF : 5485.7/52

All: 10.223 ± 0.120 χ^2/NDF : 11622.5/107

- sign 10.313 ± 0.168 χ^2/NDF : 6136.3/54

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.804 ± 0.250 χ^2/NDF : 576.3/28

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.937 ± 0.254 χ^2/NDF : 589.2/31

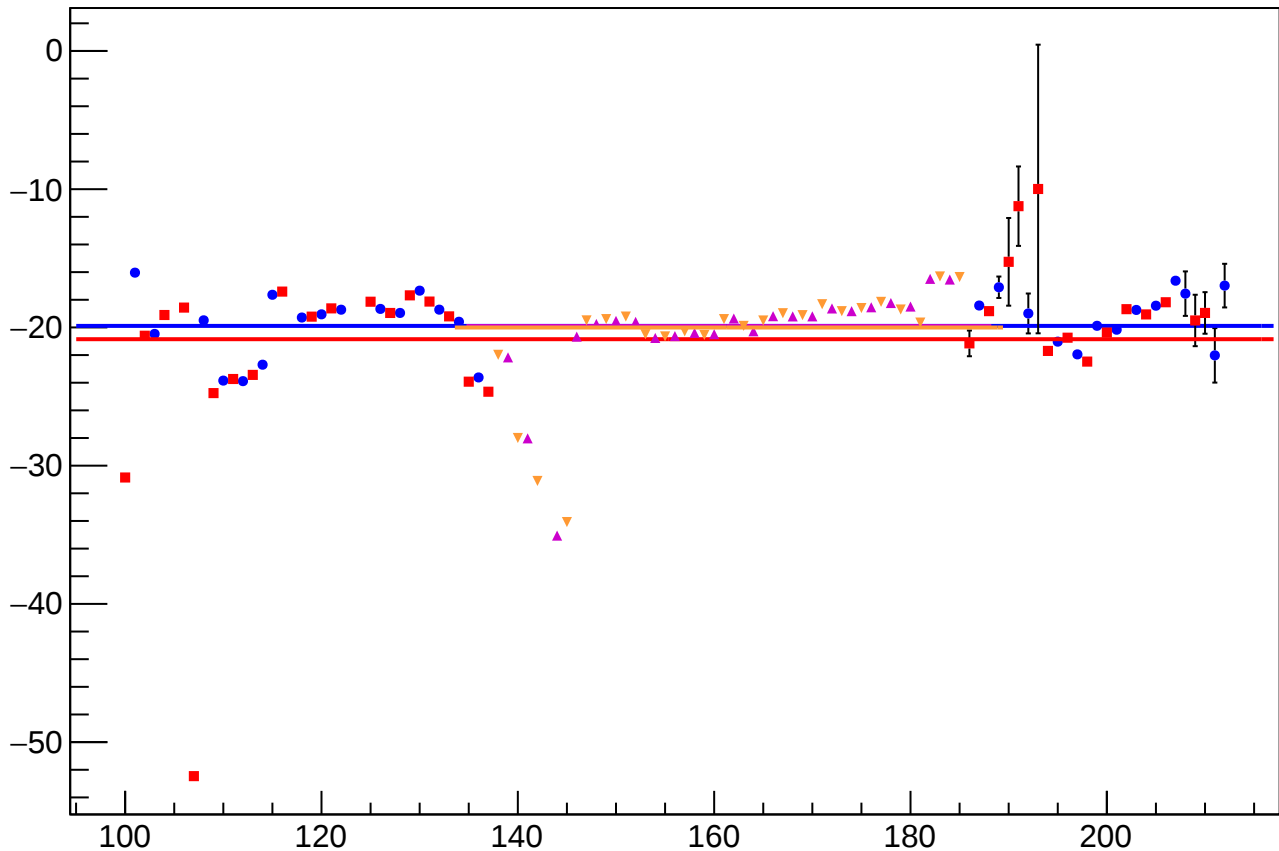
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.475 ± 0.140 χ^2/NDF : 983.4/52

All: 7.341 ± 0.099 χ^2/NDF : 2250.3/107

- sign 7.205 ± 0.141 χ^2/NDF : 1265.0/54

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.889 ± 0.015 χ^2/NDF : 27147.7/28

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.852 ± 0.015 χ^2/NDF : 95240.3/31

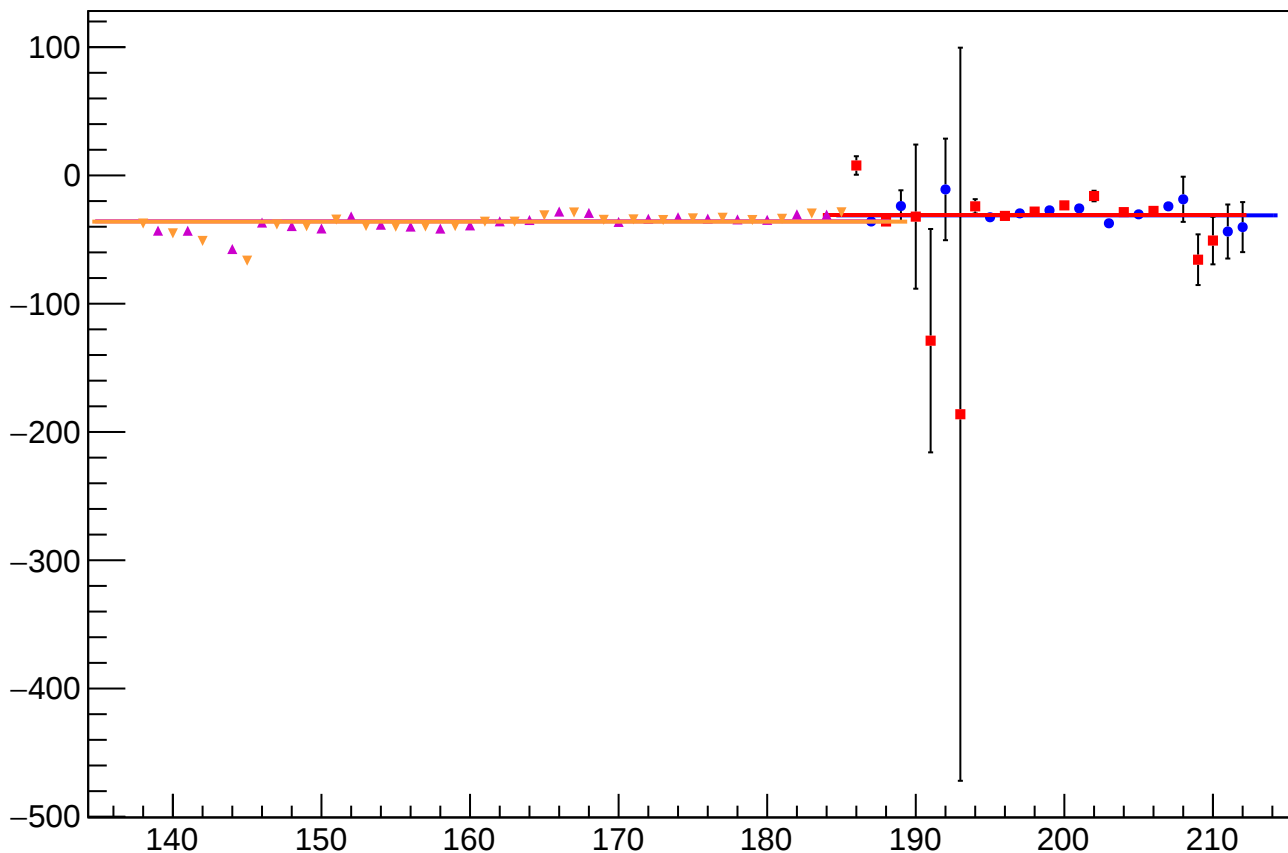
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.980 ± 0.007 χ^2/NDF : 198959.5/52

All: -20.042 ± 0.005 χ^2/NDF : 441746.9/107

- sign -20.104 ± 0.007 χ^2/NDF : 242628.2/54

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.129 ± 0.859 χ^2/NDF : 28.6/12

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -30.852 ± 0.809 χ^2/NDF : 76.2/13

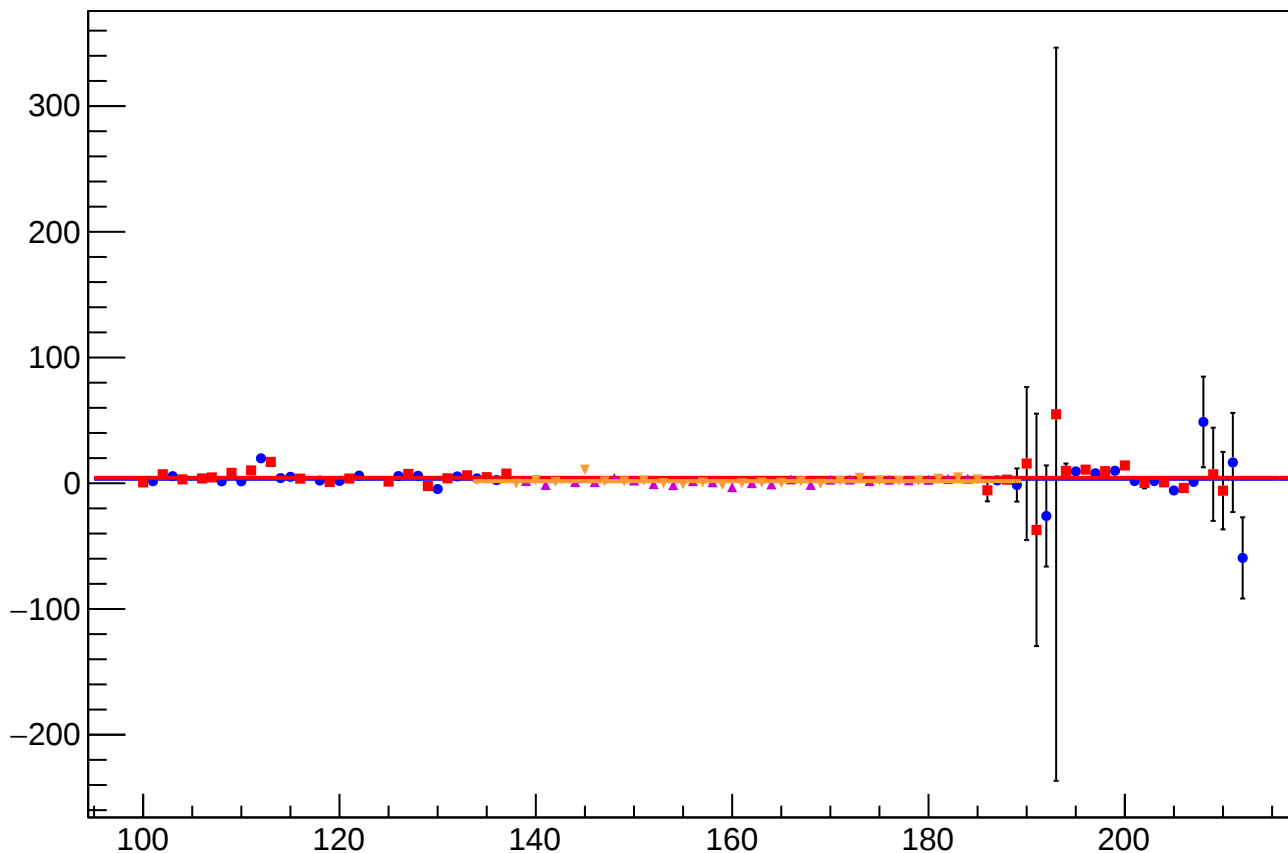
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.798 ± 0.187 χ^2/NDF : 1180.9/36

All: -35.651 ± 0.132 χ^2/NDF : 2135.8/73

- sign -35.506 ± 0.186 χ^2/NDF : 953.7/36

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.567 ± 0.217 χ^2/NDF : 461.5/28

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.321 ± 0.217 χ^2/NDF : 378.4/31

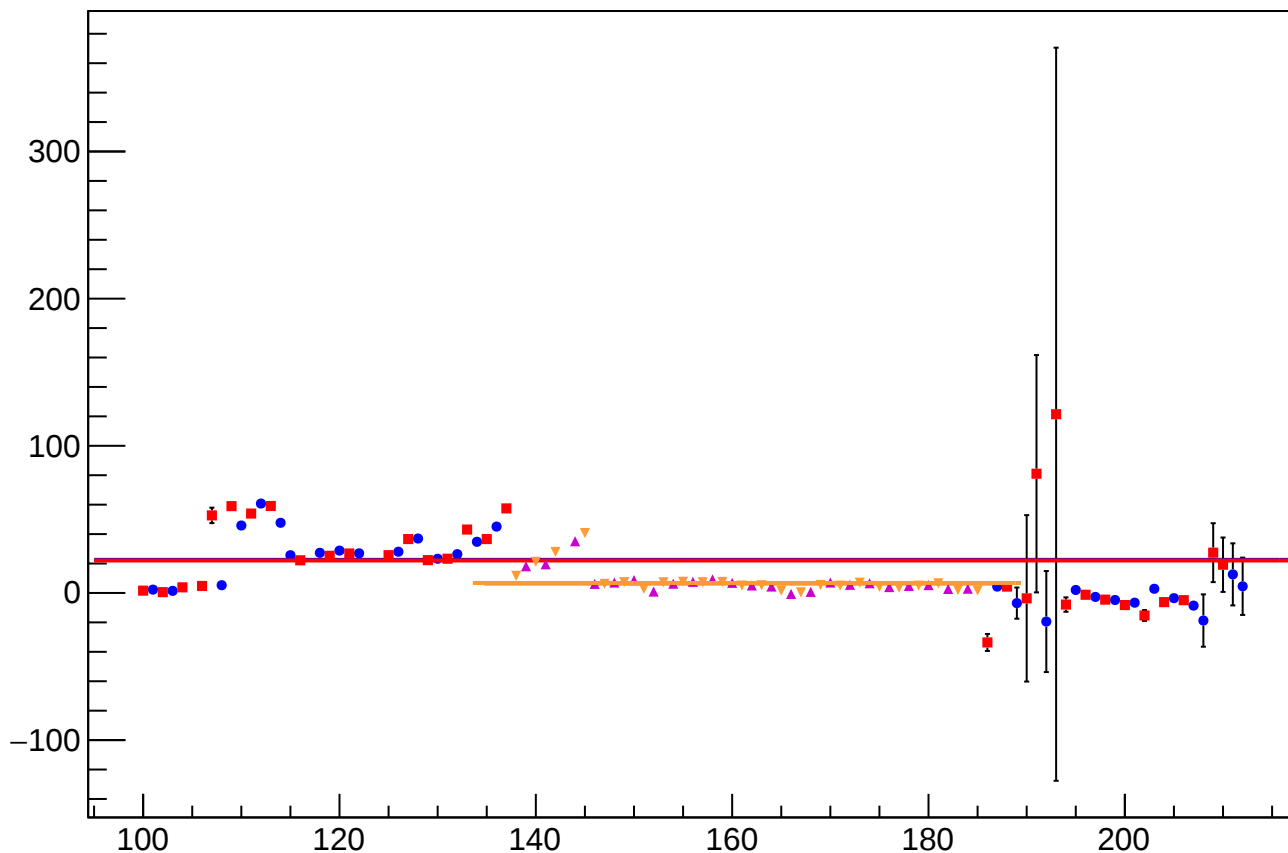
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.309 ± 0.122 χ^2/NDF : 679.1/52

All: 2.426 ± 0.087 χ^2/NDF : 1320.9/107

- sign 2.546 ± 0.123 χ^2/NDF : 639.9/54

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.483+/-0.370 χ^2 /NDF: 2700.7/28

Left Out: 6.779+/-0.191 χ^2 /NDF:1297.7/23

Right Out: 22.063+/-0.349 χ^2 /NDF: 3659.3/31

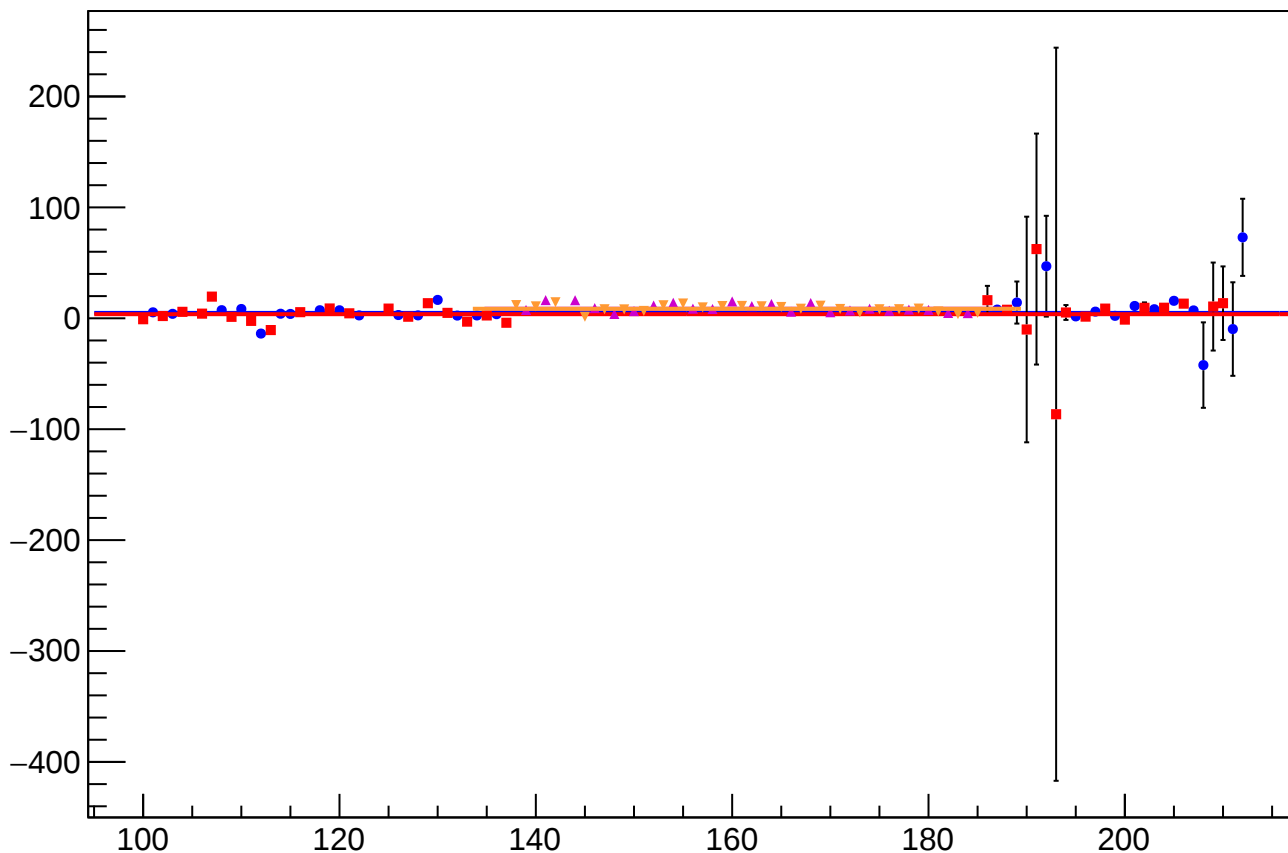
Left In: 6.532+/-0.190 χ^2 /NDF:1018.2/22

+ sign 10.092+/-0.170 χ^2 /NDF: 5420.5/52

All: 10.092+/-0.119 χ^2 /NDF: 11624.9/107

- sign 10.092+/-0.167 χ^2 /NDF: 6204.4/54

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.848 ± 0.250 χ^2/NDF : 564.4/28

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.698 ± 0.250 χ^2/NDF : 589.1/31

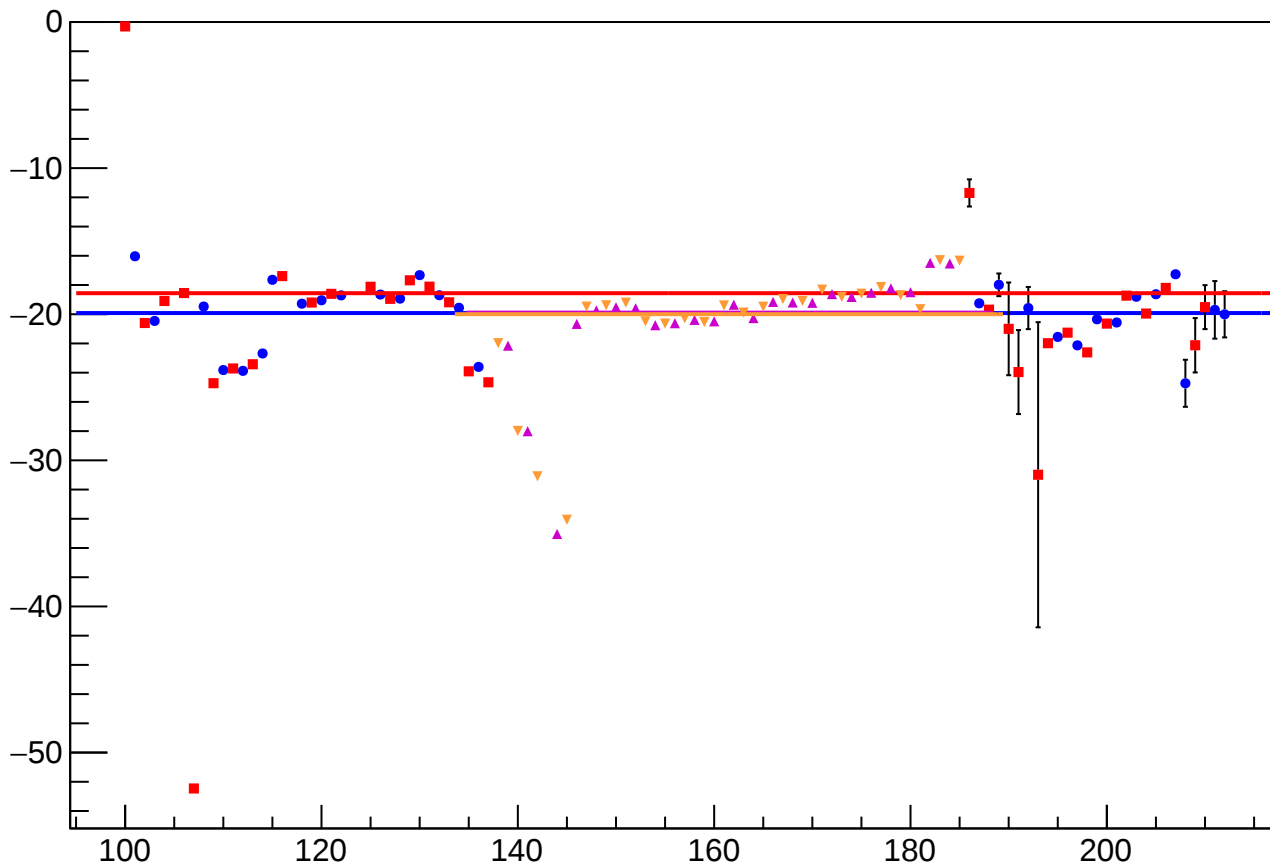
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.413 ± 0.140 χ^2/NDF : 963.4/52

All: 7.228 ± 0.099 χ^2/NDF : 2258.8/107

- sign 7.040 ± 0.141 χ^2/NDF : 1291.8/54

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.920 $\pm$ 0.015 χ^2 /NDF: 27097.2/28

Left Out: -19.998 $\pm$ 0.008 χ^2 /NDF: 171944.6/23

Right Out: -18.559 $\pm$ 0.014 χ^2 /NDF: 303728.2/31

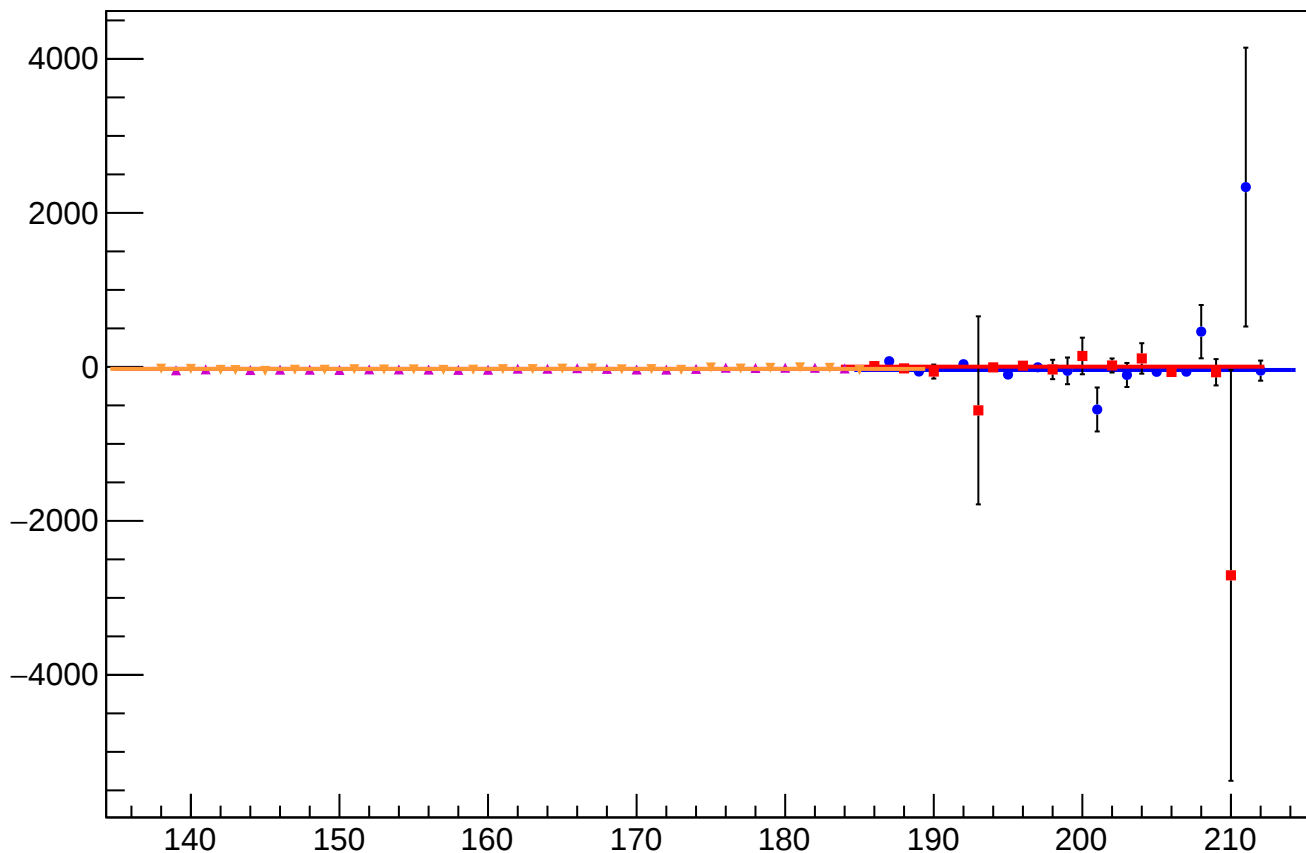
Left In: -19.890 $\pm$ 0.008 χ^2 /NDF: 144055.2/22

+ sign -19.981 $\pm$ 0.007 χ^2 /NDF: 199063.4/52

All: -19.775 $\pm$ 0.005 χ^2 /NDF: 655373.2/107

- sign -19.576 $\pm$ 0.007 χ^2 /NDF: 454593.5/54

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.962 ± 12.985 χ^2/NDF : 19.7/12

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 2.772 ± 8.111 χ^2/NDF : 6.8/12

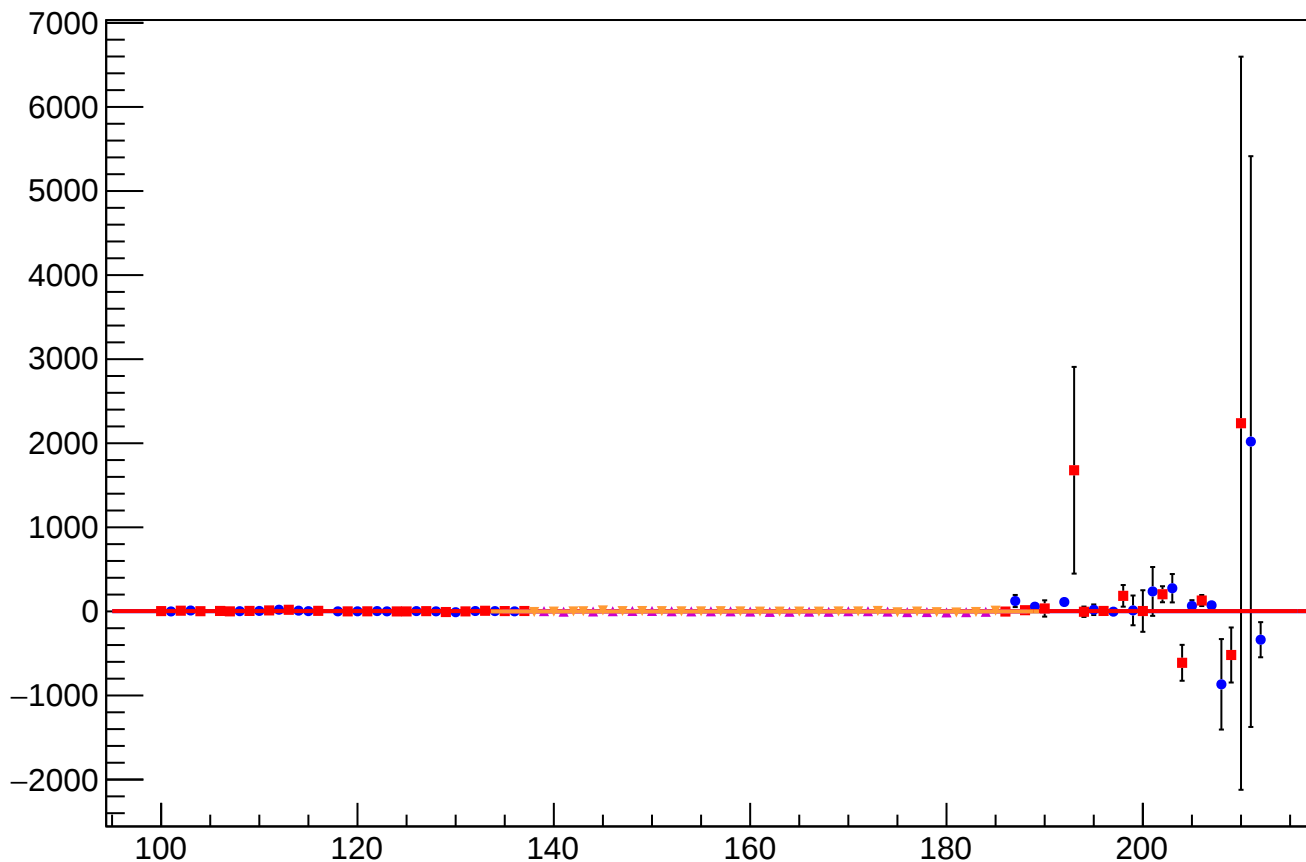
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.888 ± 0.192 χ^2/NDF : 4178.9/37

All: -25.960 ± 0.137 χ^2/NDF : 7478.1/73

- sign -26.035 ± 0.195 χ^2/NDF : 3298.9/35

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.476+/-0.315 χ^2/NDF : 319.2/29

Left Out: -0.654+/-0.146 χ^2/NDF : 1320.8/24

Right Out: 3.715+/-0.327 χ^2/NDF : 292.5/31

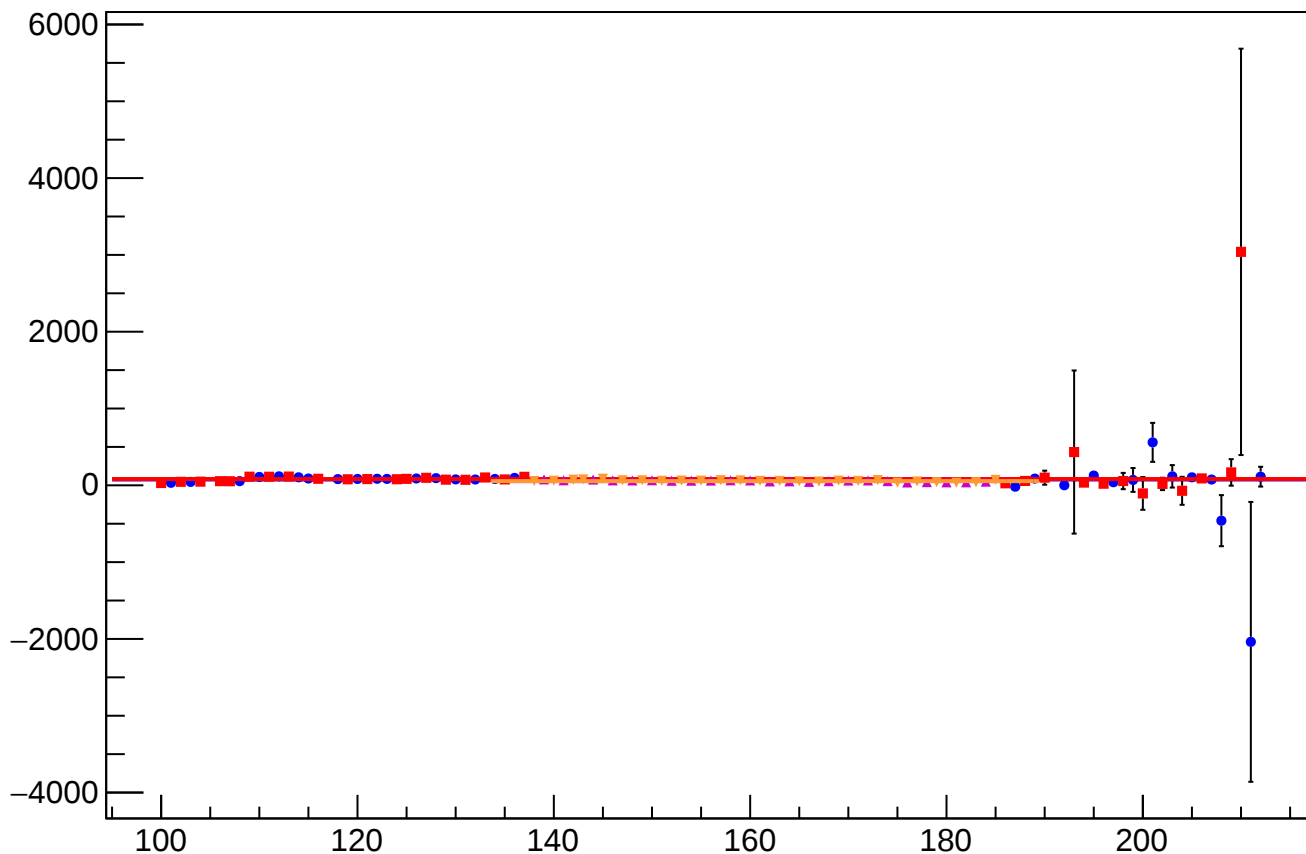
Left In: -0.863+/-0.150 χ^2/NDF : 1066.5/22

+ sign -0.099+/-0.133 χ^2/NDF : 1721.4/54

All: -0.081+/-0.095 χ^2/NDF : 3242.6/109

- sign -0.062+/-0.137 χ^2/NDF : 1521.2/54

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.532 $\pm$ 0.576 χ^2 /NDF: 2273.4/29

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.491 $\pm$ 0.590 χ^2 /NDF: 1634.1/31

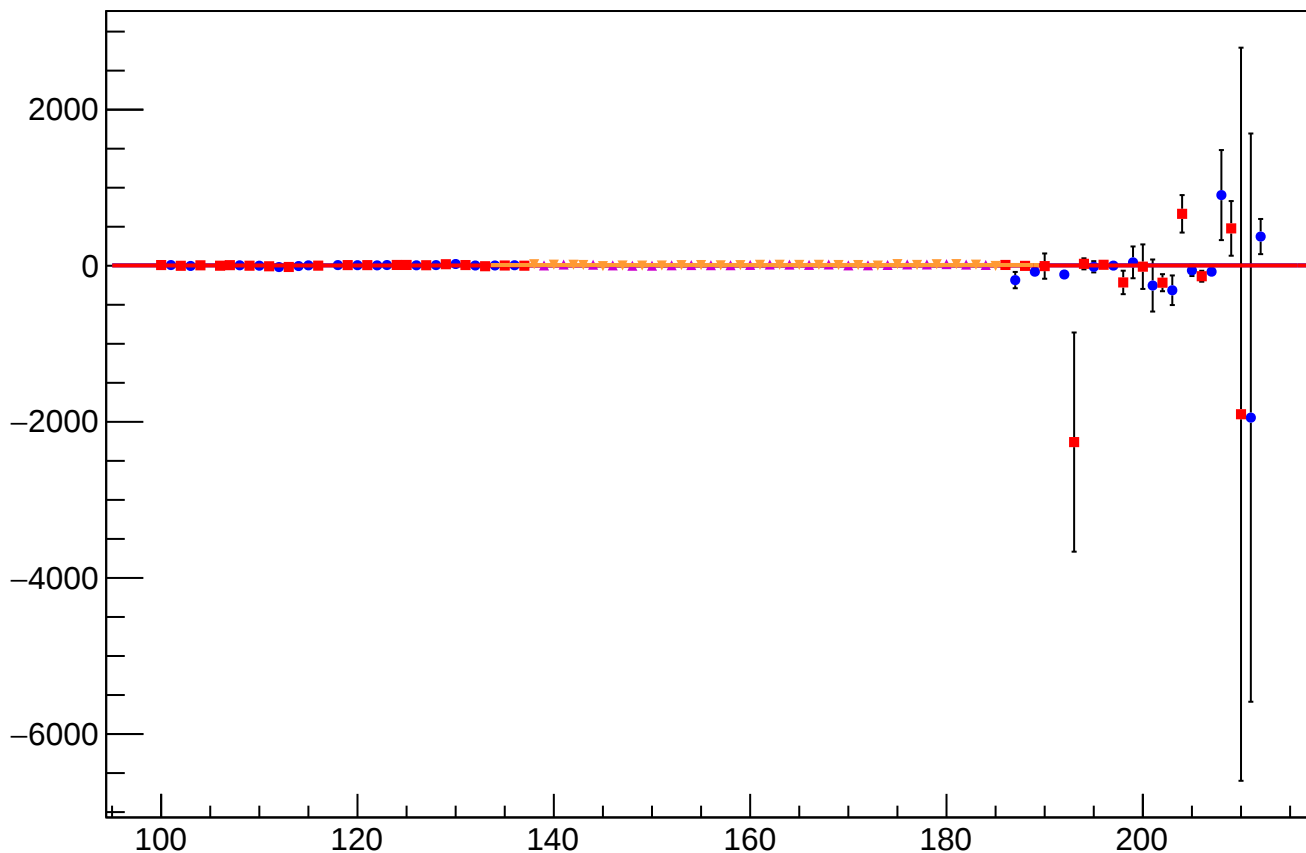
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8099.0/54

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15246.3/109

- sign 57.631 $\pm$ 0.184 χ^2 /NDF: 7144.9/54

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.407 $\pm$ 0.361 χ^2 /NDF: 410.1/29

Left Out: 9.737 $\pm$ 0.168 χ^2 /NDF: 1450.2/24

Right Out: 3.580 $\pm$ 0.375 χ^2 /NDF: 444.1/31

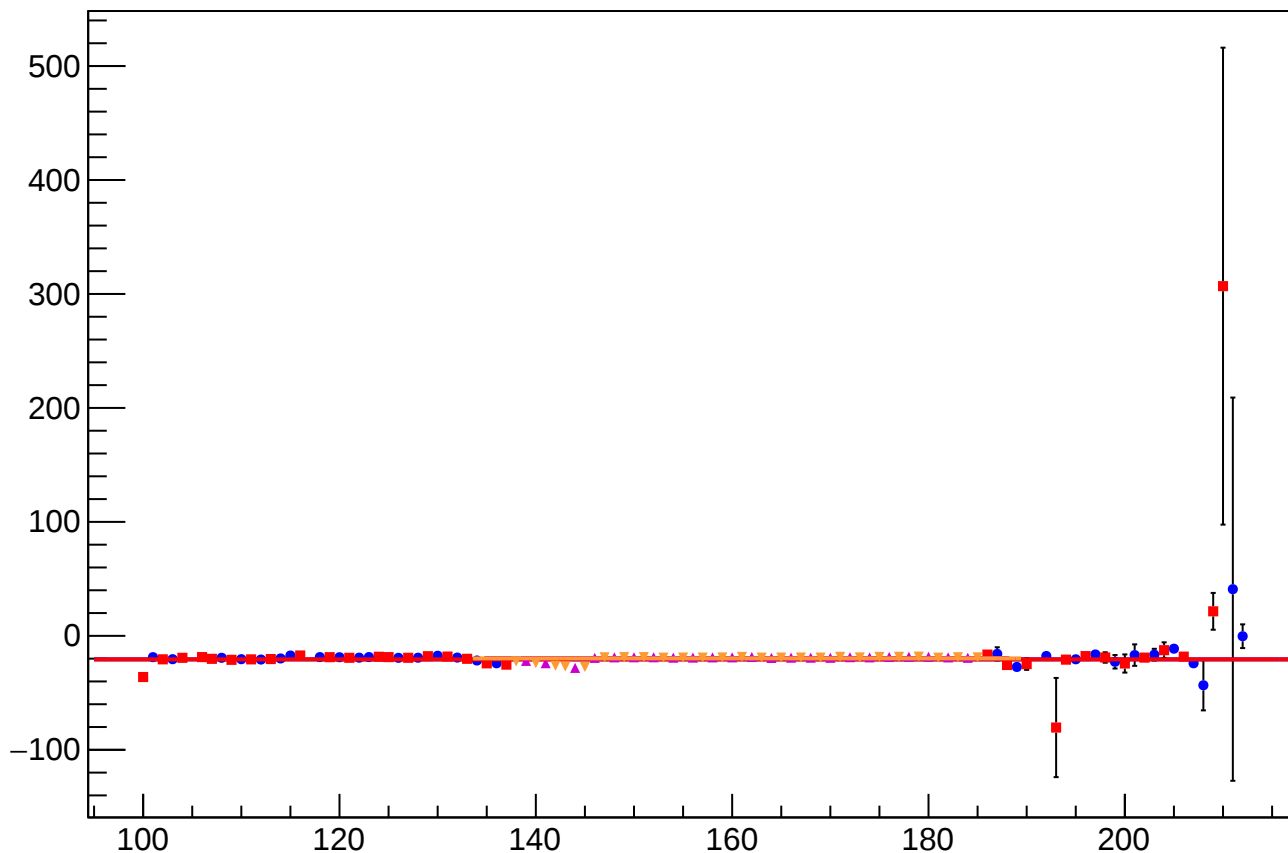
Left In: 9.803 $\pm$ 0.172 χ^2 /NDF: 1158.7/22

+ sign 8.968 $\pm$ 0.152 χ^2 /NDF: 1978.7/54

All: 8.851 $\pm$ 0.109 χ^2 /NDF: 3810.0/109

- sign 8.727 $\pm$ 0.156 χ^2 /NDF: 1830.1/54

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 χ^2/NDF : 12459.0/29

Left Out: -19.767 ± 0.008 χ^2/NDF : 91617.3/24

Right Out: -20.638 ± 0.019 χ^2/NDF : 13819.1/31

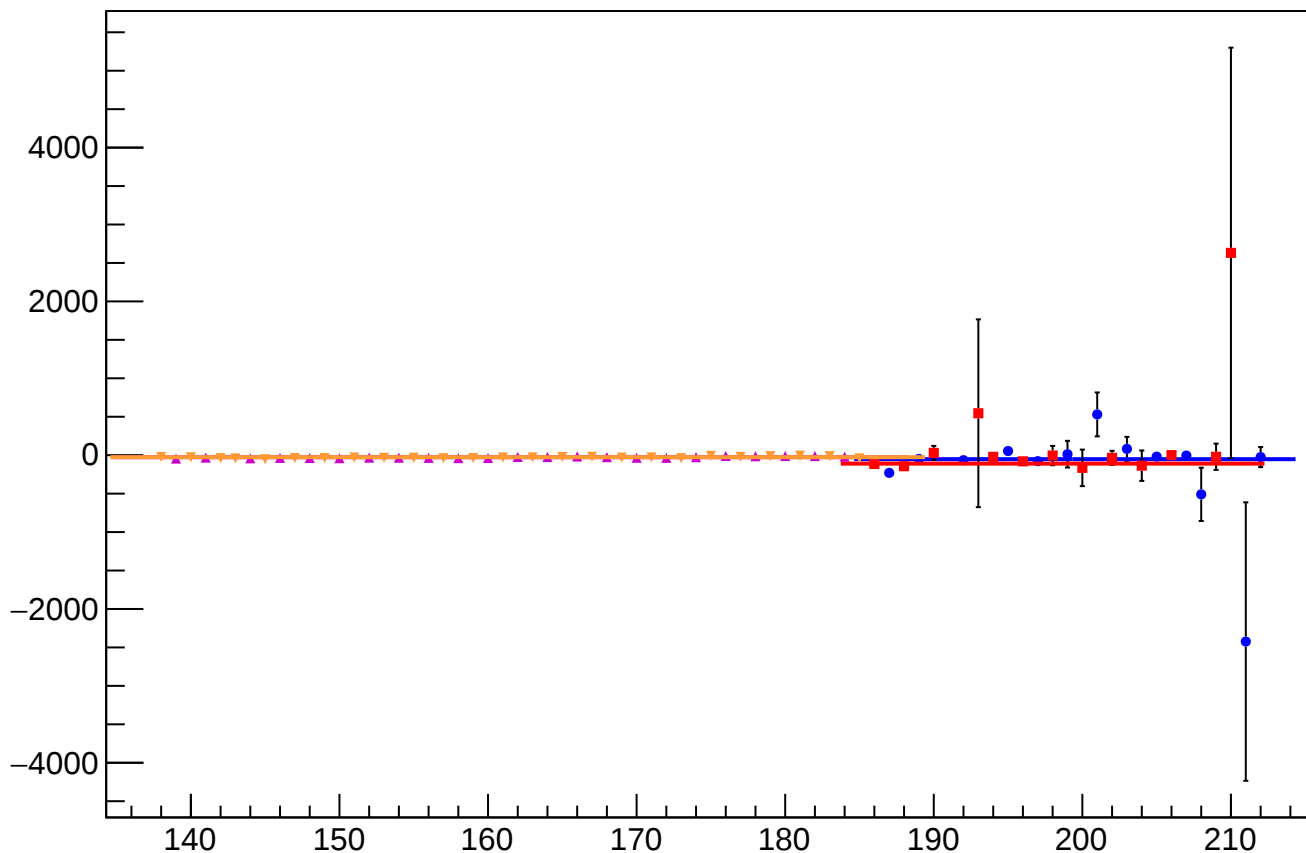
Left In: -19.435 ± 0.008 χ^2/NDF : 53170.9/22

+ sign -19.892 ± 0.007 χ^2/NDF : 105837.7/54

All: -19.751 ± 0.005 χ^2/NDF : 176854.4/109

- sign -19.607 ± 0.007 χ^2/NDF : 70264.2/54

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -51.840 ± 12.995 χ^2/NDF : 31.1/12

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -109.802 ± 8.117 χ^2/NDF : 16.9/12

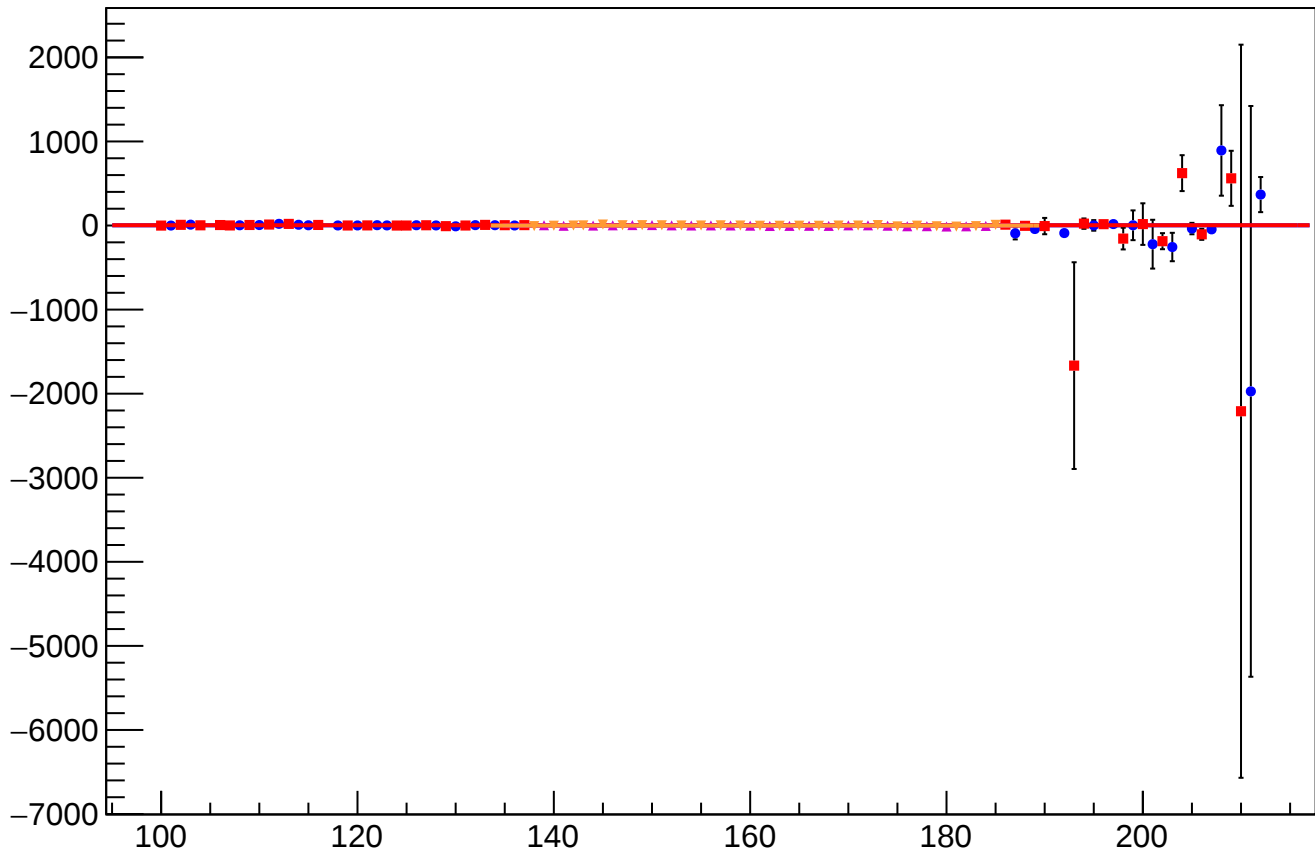
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4162.6/37

All: -25.998 ± 0.137 χ^2/NDF : 7533.1/73

- sign -26.094 ± 0.195 χ^2/NDF : 3370.0/35

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.439 ± 0.315 χ^2/NDF : 311.6/29

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.593 ± 0.318 χ^2/NDF : 302.2/31

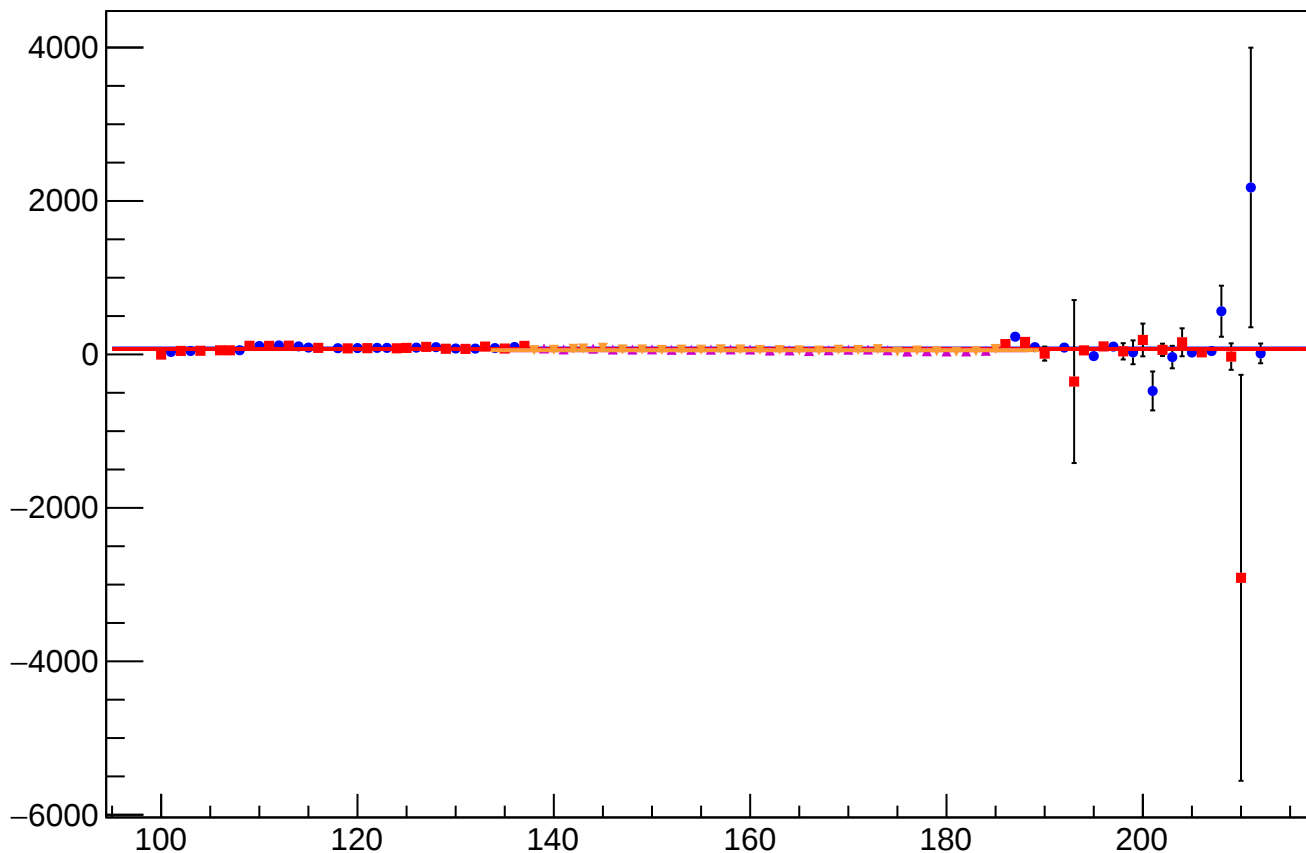
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1698.7/54

All: -0.025 ± 0.095 χ^2/NDF : 3262.9/109

- sign 0.009 ± 0.136 χ^2/NDF : 1564.1/54

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.709 $\pm$ 0.576 χ^2 /NDF: 2300.0/29

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.747 $\pm$ 0.549 χ^2 /NDF: 4494.0/31

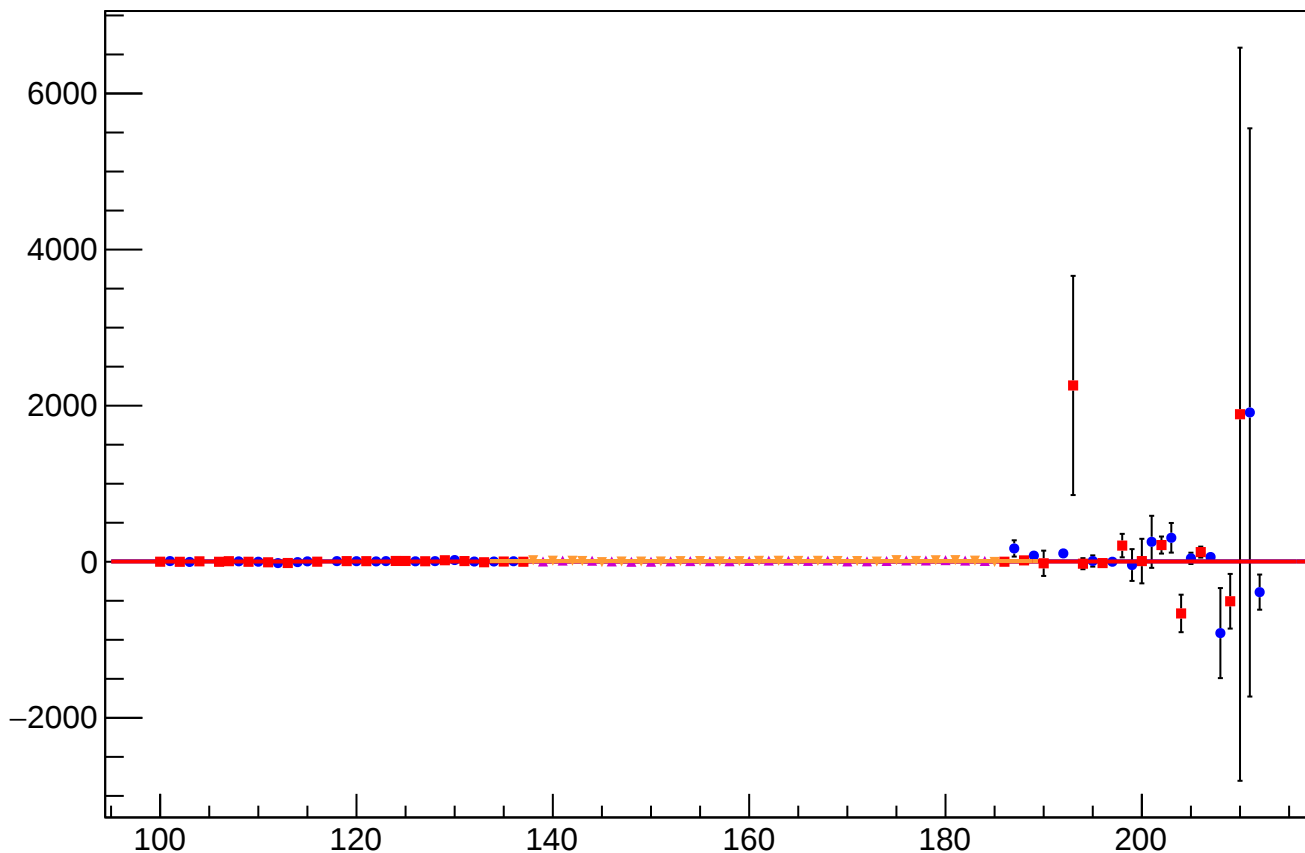
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.259 $\pm$ 0.182 χ^2 /NDF: 8124.2/54

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 17009.6/109

- sign 56.827 $\pm$ 0.183 χ^2 /NDF: 8882.6/54

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.444 ± 0.361 χ^2/NDF : 404.2/29

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.283 ± 0.365 χ^2/NDF : 446.5/31

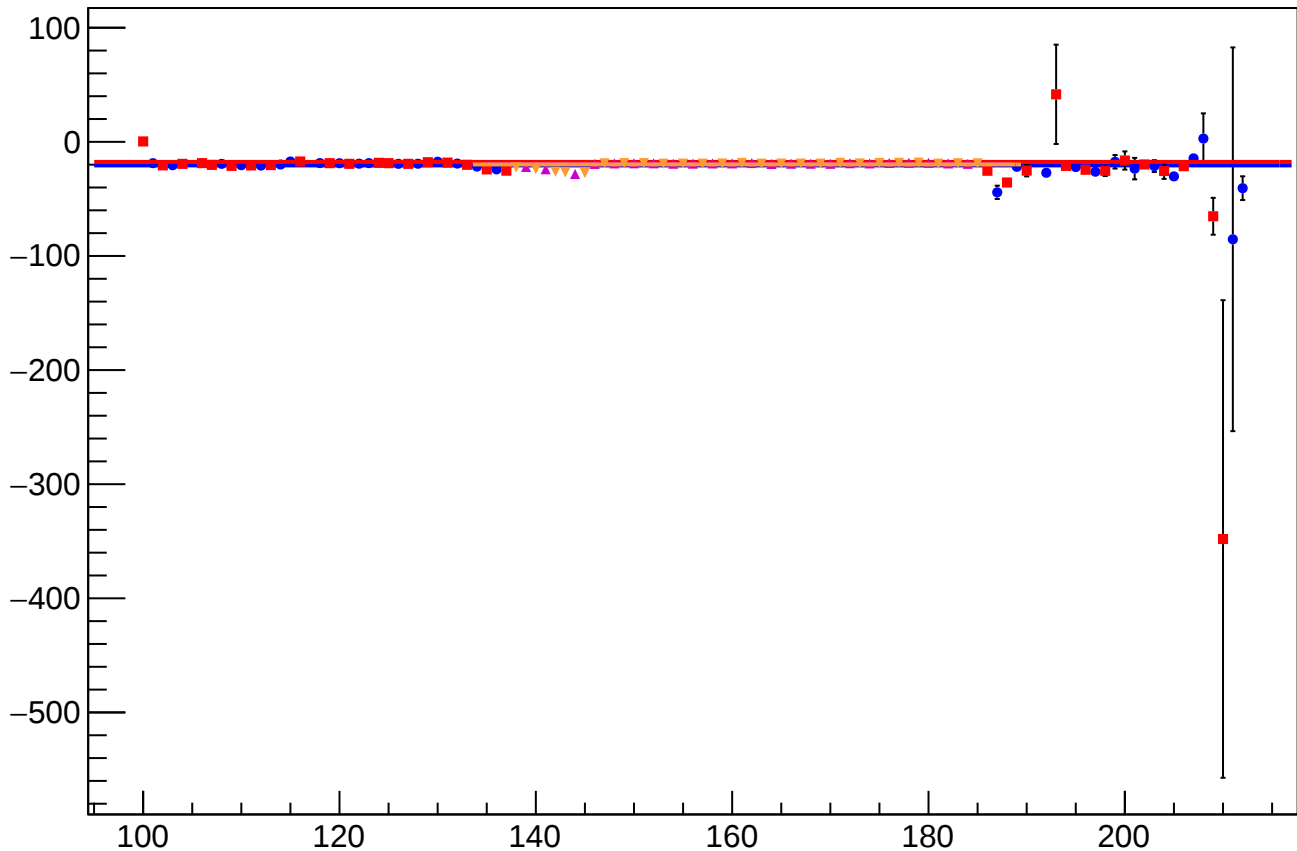
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.924 ± 0.152 χ^2/NDF : 1958.4/54

All: 8.750 ± 0.109 χ^2/NDF : 3854.2/109

- sign 8.570 ± 0.155 χ^2/NDF : 1893.1/54

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 χ^2/NDF : 12519.7/29

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.575 ± 0.018 χ^2/NDF : 178452.8/31

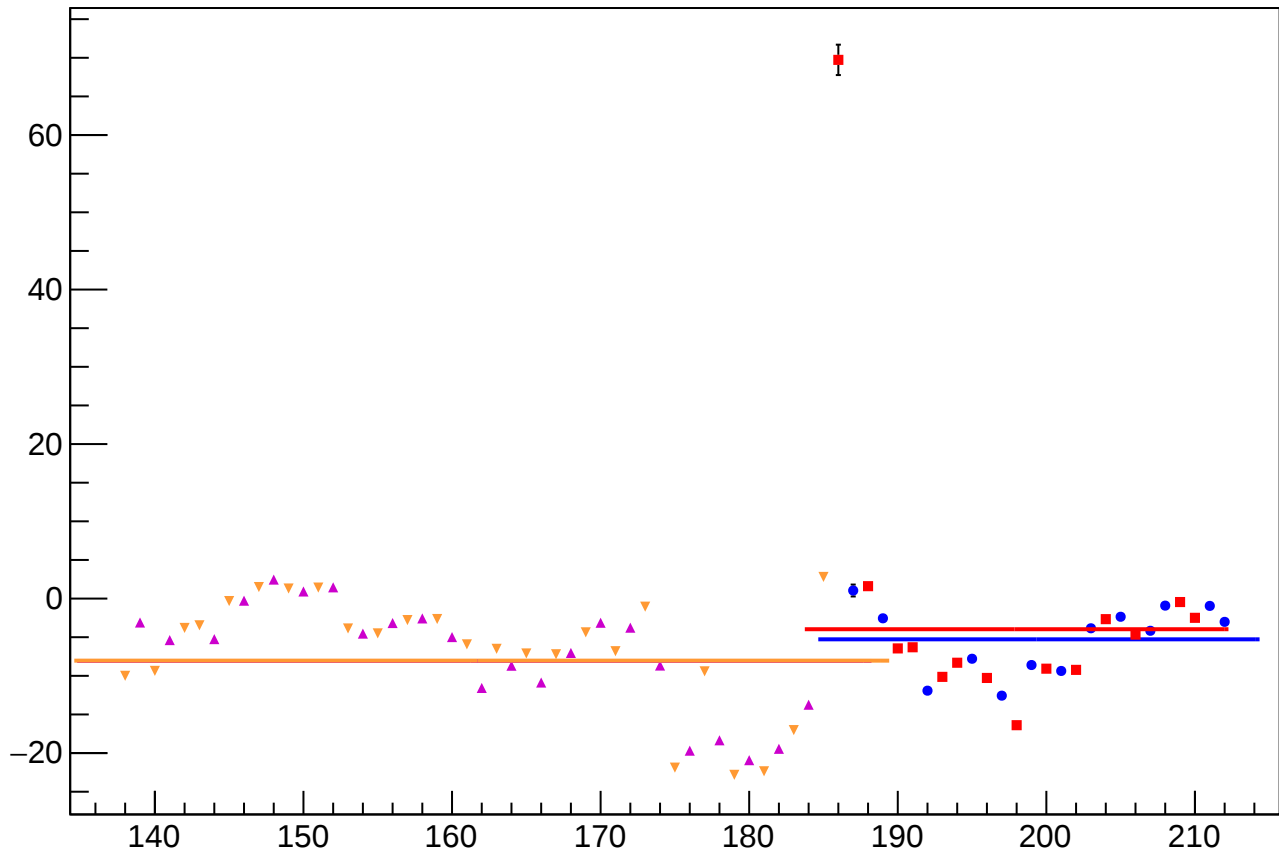
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105768.7/54

All: -19.518 ± 0.005 χ^2/NDF : 351744.3/109

- sign -19.140 ± 0.007 χ^2/NDF : 240564.4/54

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -5.275 ± 0.110 χ^2/NDF : 1398.7/12

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -3.966 ± 0.099 χ^2/NDF : 4099.3/13

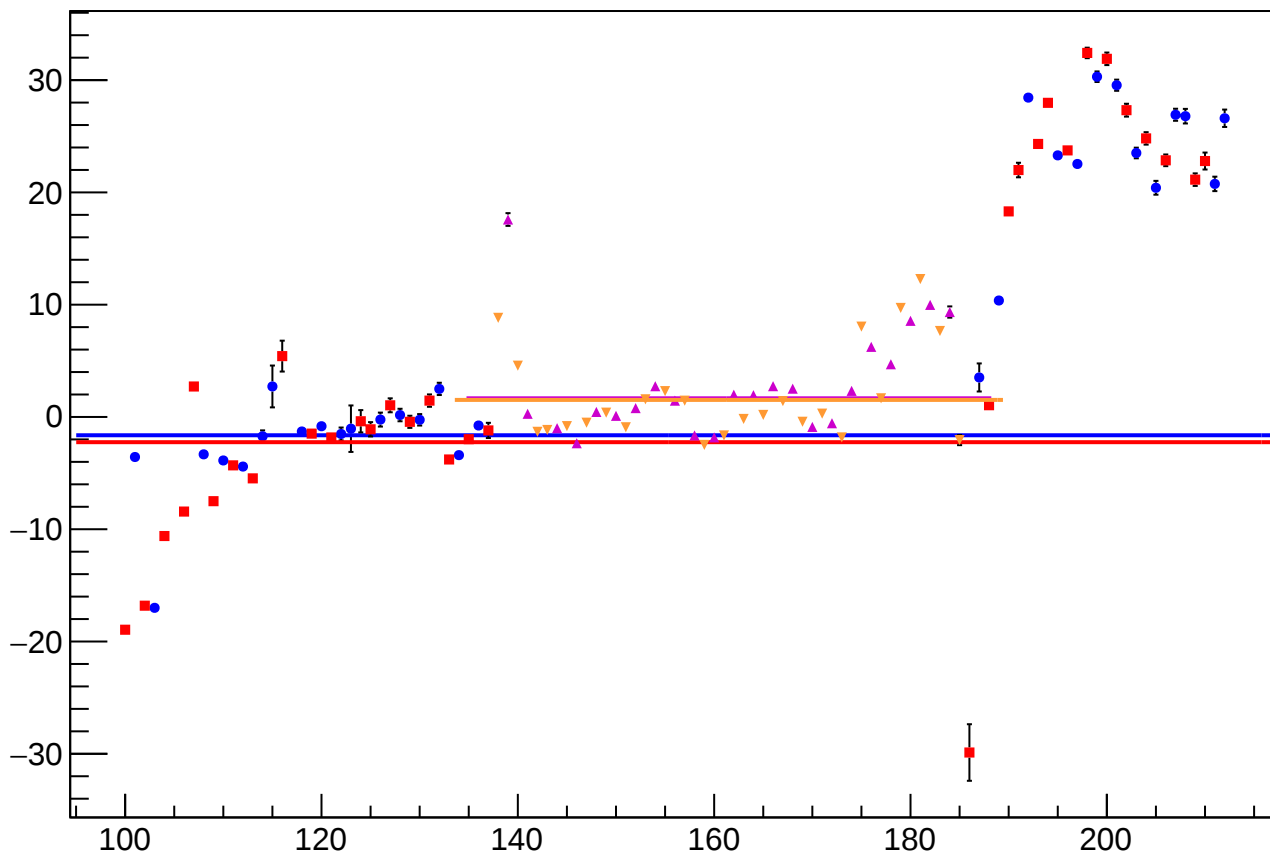
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -7.236 ± 0.059 χ^2/NDF : 14412.0/37

All: -6.940 ± 0.042 χ^2/NDF : 30232.4/74

- sign -6.656 ± 0.058 χ^2/NDF : 15771.5/36

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -1.630 ± 0.051 χ^2/NDF : 47738.4/29

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -2.247 ± 0.054 χ^2/NDF : 56547.5/32

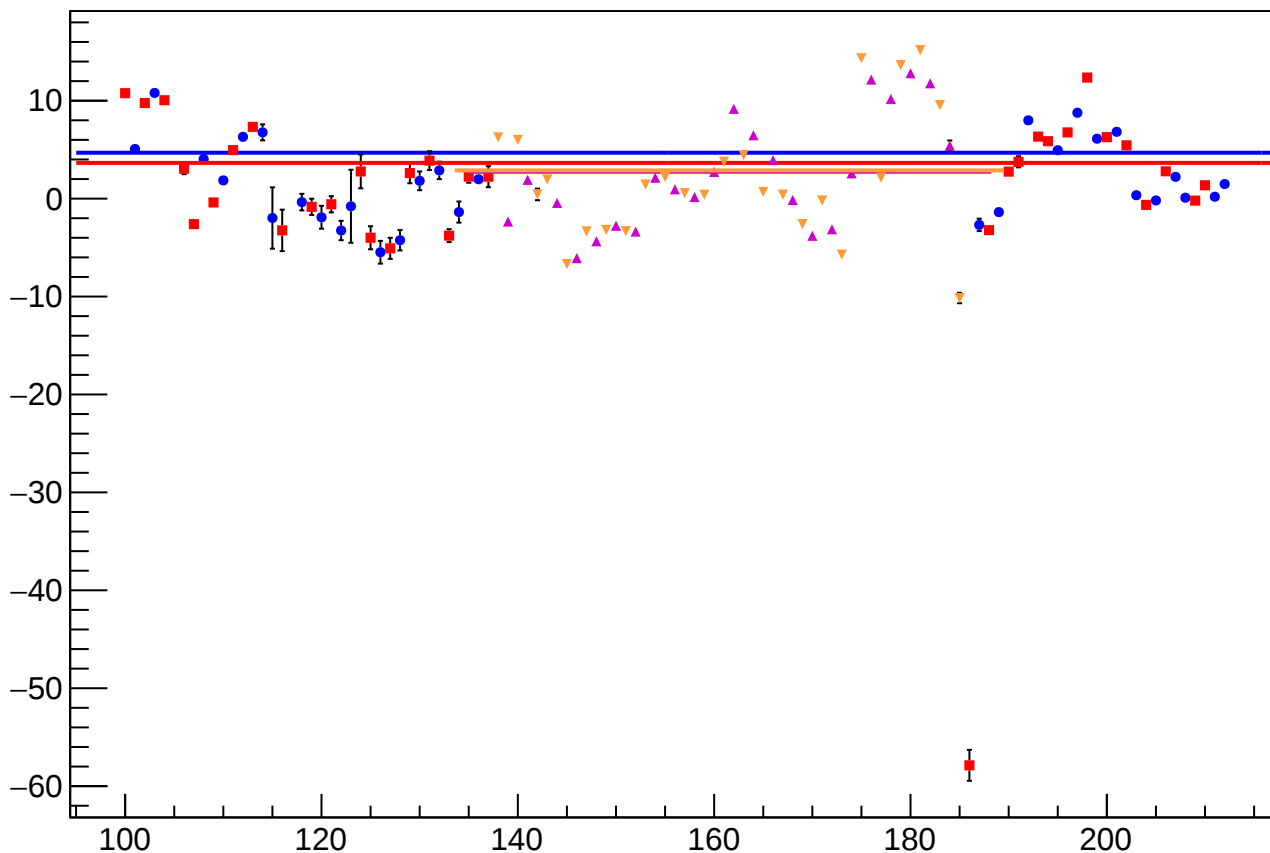
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -0.151 ± 0.037 χ^2/NDF : 54364.4/54

All: -0.271 ± 0.027 χ^2/NDF : 117487.8/110

- sign -0.401 ± 0.039 χ^2/NDF : 63101.8/55

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 4.689 ± 0.068 χ^2/NDF : 3074.2/29

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.652 ± 0.064 χ^2/NDF : 7989.2/32

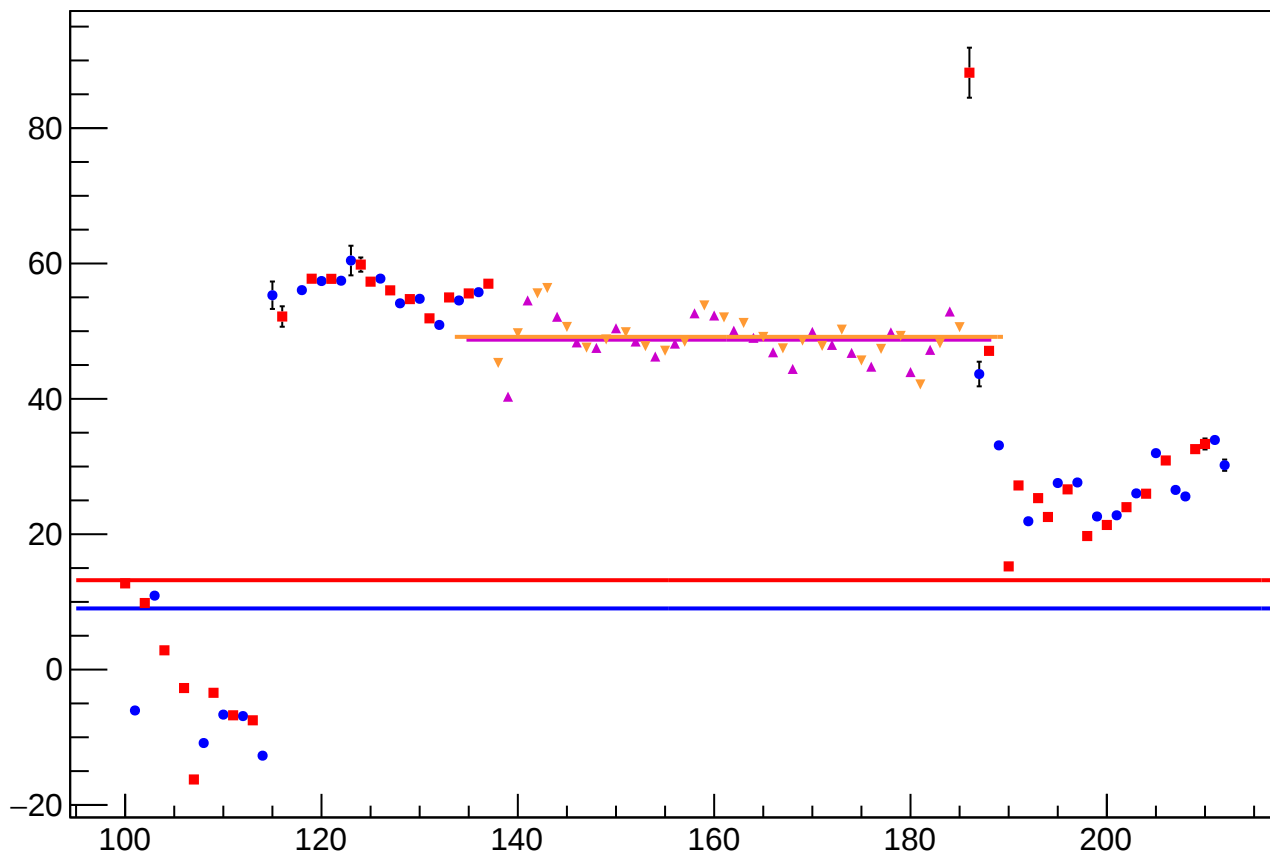
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.821 ± 0.049 χ^2/NDF : 12309.9/54

All: 3.528 ± 0.034 χ^2/NDF : 27642.1/110

- sign 3.247 ± 0.048 χ^2/NDF : 15261.3/55

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 9.035+/-0.060 χ^2/NDF : 135030.1/29

Left Out: 49.163+/-0.062 χ^2/NDF : 2259.9/24

Right Out: 13.207+/-0.064 χ^2/NDF : 137253.7/32

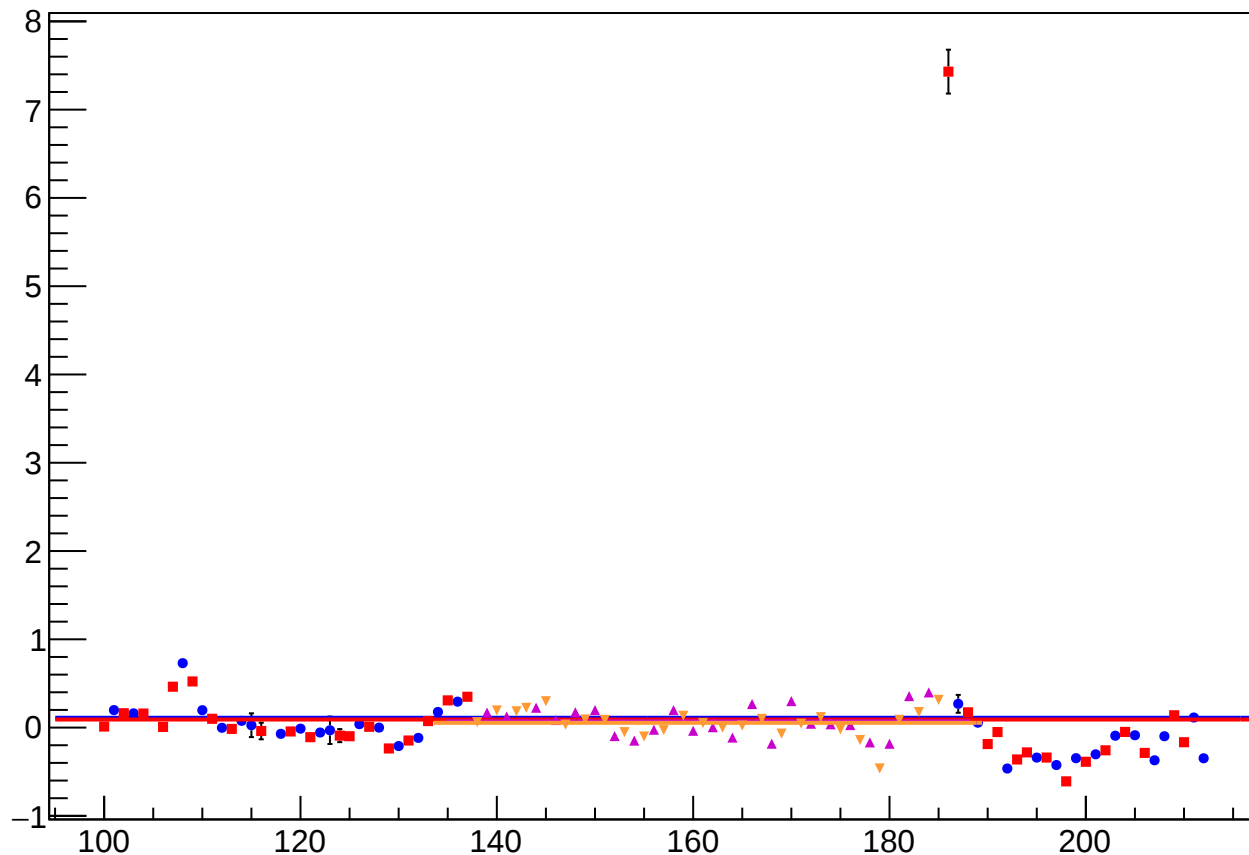
Left In: 48.744+/-0.064 χ^2/NDF : 2097.7/22

+ sign 28.616+/-0.043 χ^2/NDF : 353597.5/54

All: 29.710+/-0.031 χ^2/NDF : 650228.9/110

- sign 30.902+/-0.045 χ^2/NDF : 295286.0/55

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.111 $\pm$ 0.002 χ^2 /NDF: 11711.1/29

Left Out: 0.054 $\pm$ 0.003 χ^2 /NDF:2379.8/24

Right Out: 0.091 $\pm$ 0.002 χ^2 /NDF: 10984.0/32

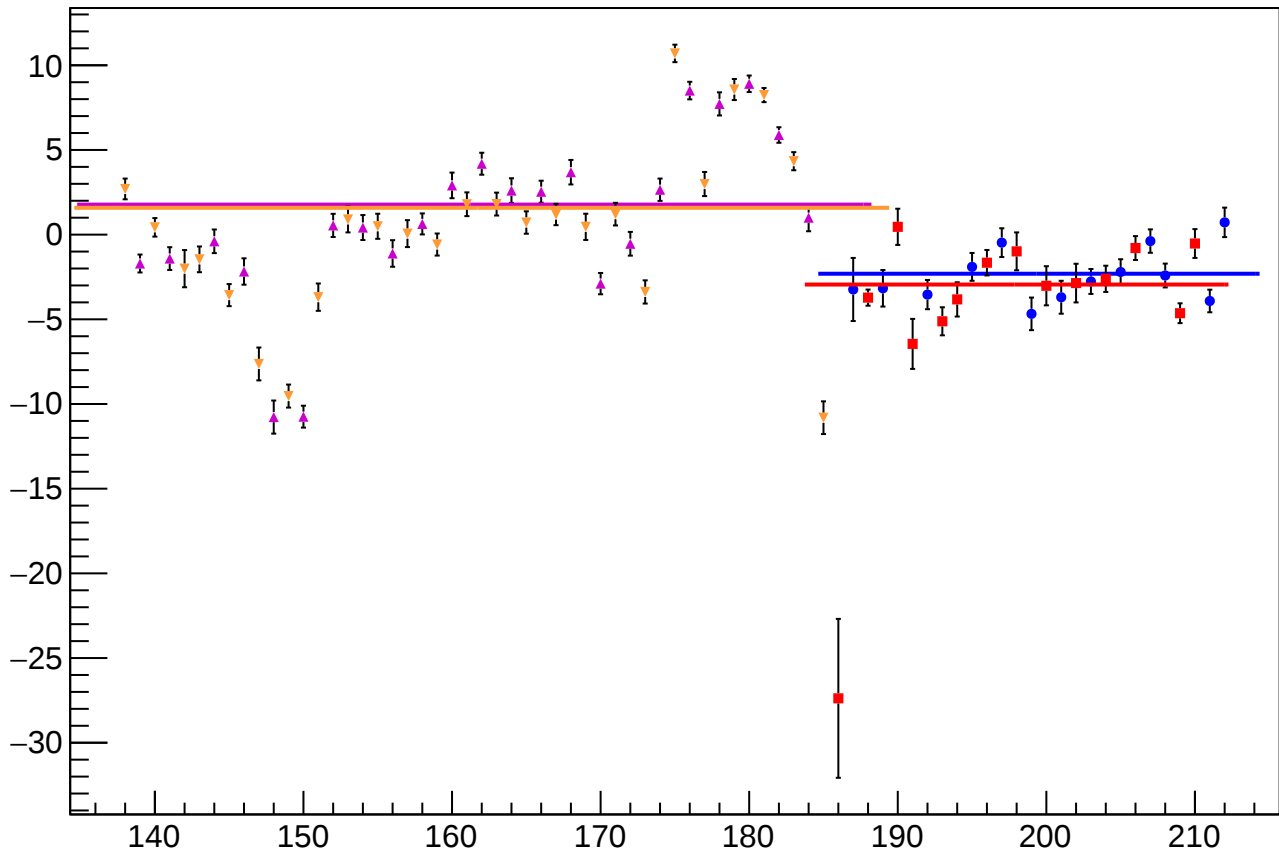
Left In: 0.070 $\pm$ 0.003 χ^2 /NDF:3233.8/22

+ sign 0.086 $\pm$ 0.002 χ^2 /NDF: 14323.3/54

All: 0.085 $\pm$ 0.001 χ^2 /NDF: 28574.9/110

- sign 0.083 $\pm$ 0.002 χ^2 /NDF: 14249.7/55

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.309 ± 0.231 χ^2/NDF : 42.1/12

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -2.946 ± 0.222 χ^2/NDF : 85.3/13

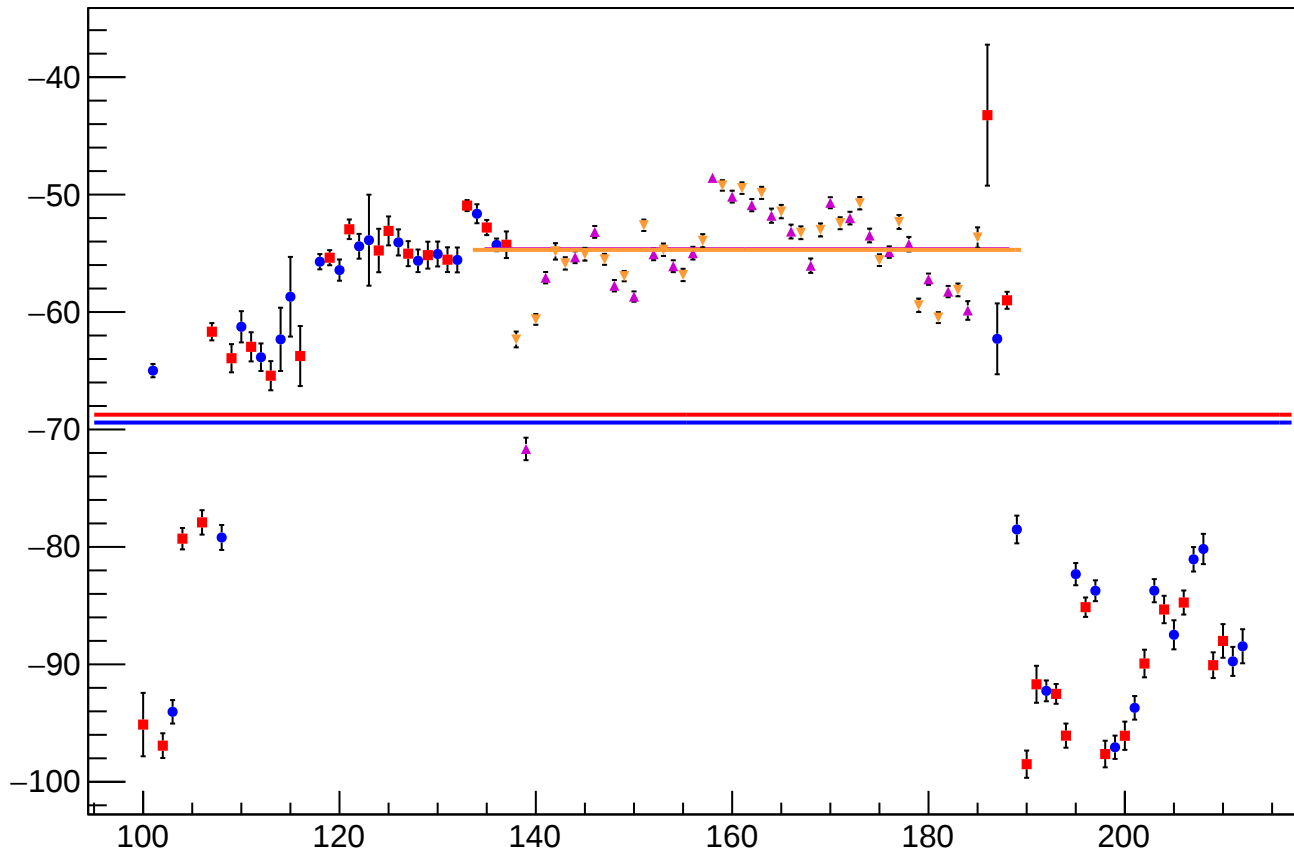
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.617 ± 0.115 χ^2/NDF : 1714.8/37

All: 0.557 ± 0.081 χ^2/NDF : 3427.7/74

- sign 0.496 ± 0.115 χ^2/NDF : 1712.4/36

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.411 ± 0.181 χ^2/NDF : 7322.6/29

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -68.742 ± 0.171 χ^2/NDF : 10311.9/32

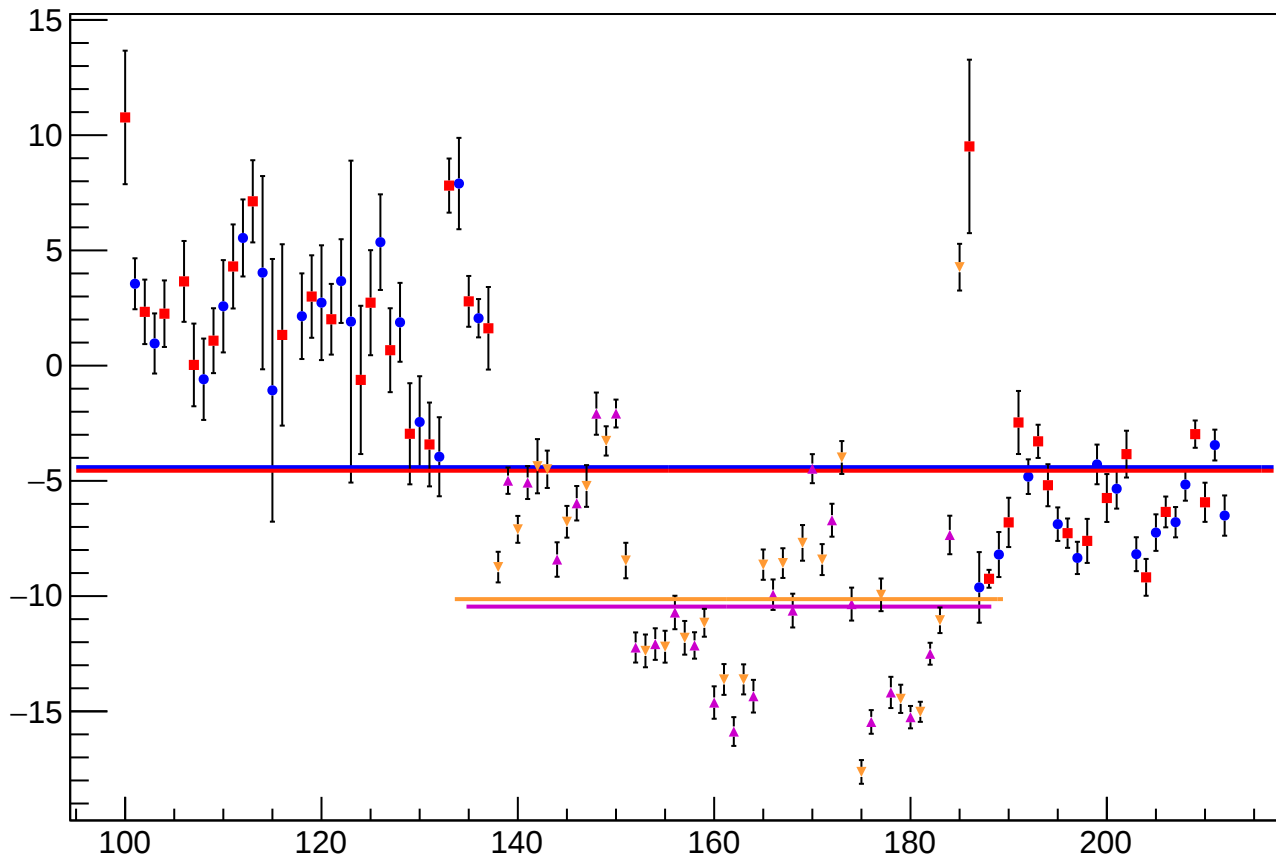
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -58.449 ± 0.091 χ^2/NDF : 13372.9/54

All: -58.609 ± 0.065 χ^2/NDF : 29589.9/110

- sign -58.774 ± 0.092 χ^2/NDF : 16210.7/55

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -4.405 ± 0.191 χ^2/NDF : 435.0/29

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -4.560 ± 0.178 χ^2/NDF : 663.7/32

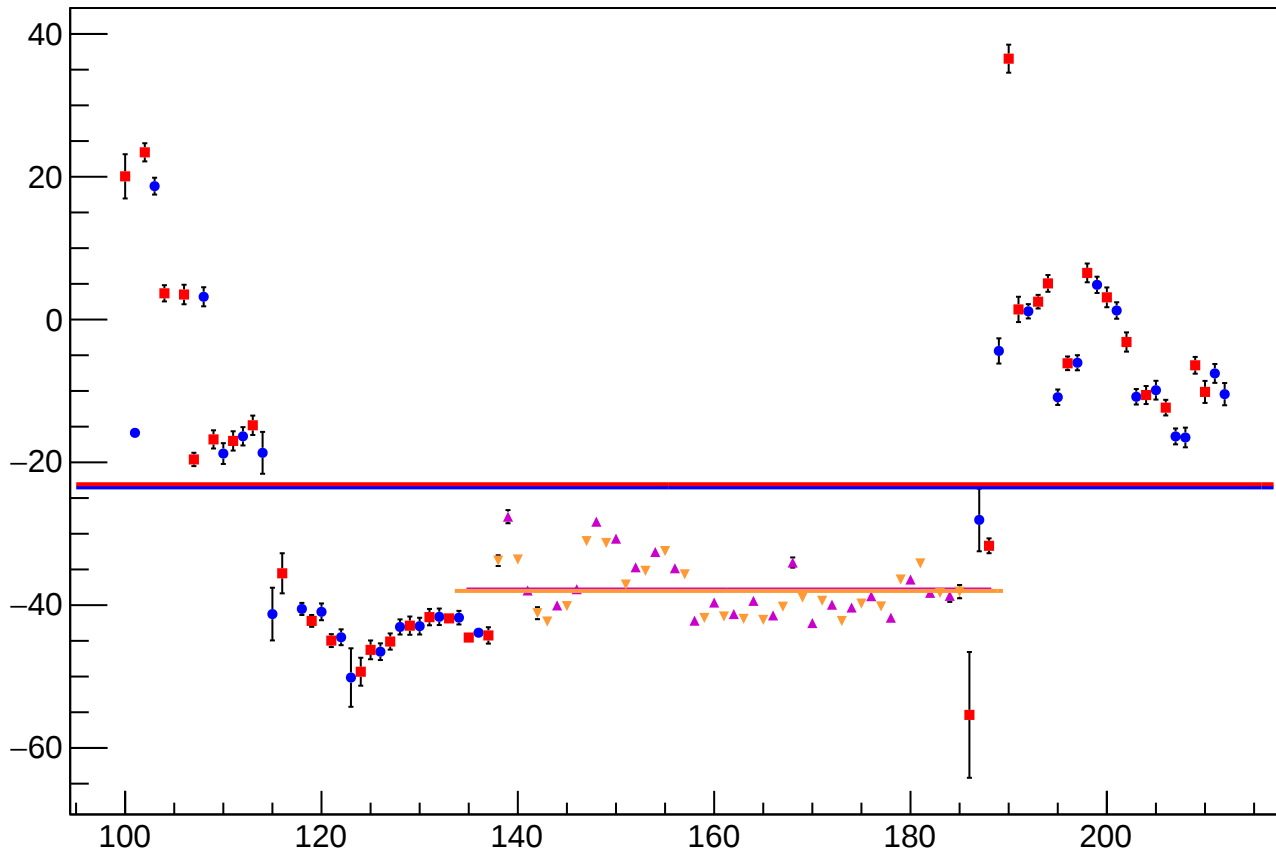
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.271 ± 0.109 χ^2/NDF : 2094.4/54

All: -8.295 ± 0.077 χ^2/NDF : 4456.4/110

- sign -8.317 ± 0.107 χ^2/NDF : 2361.9/55

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -23.506 ± 0.206 $\chi^2/\text{NDF}: 8661.3/29$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -23.067 ± 0.198 $\chi^2/\text{NDF}: 11886.0/32$

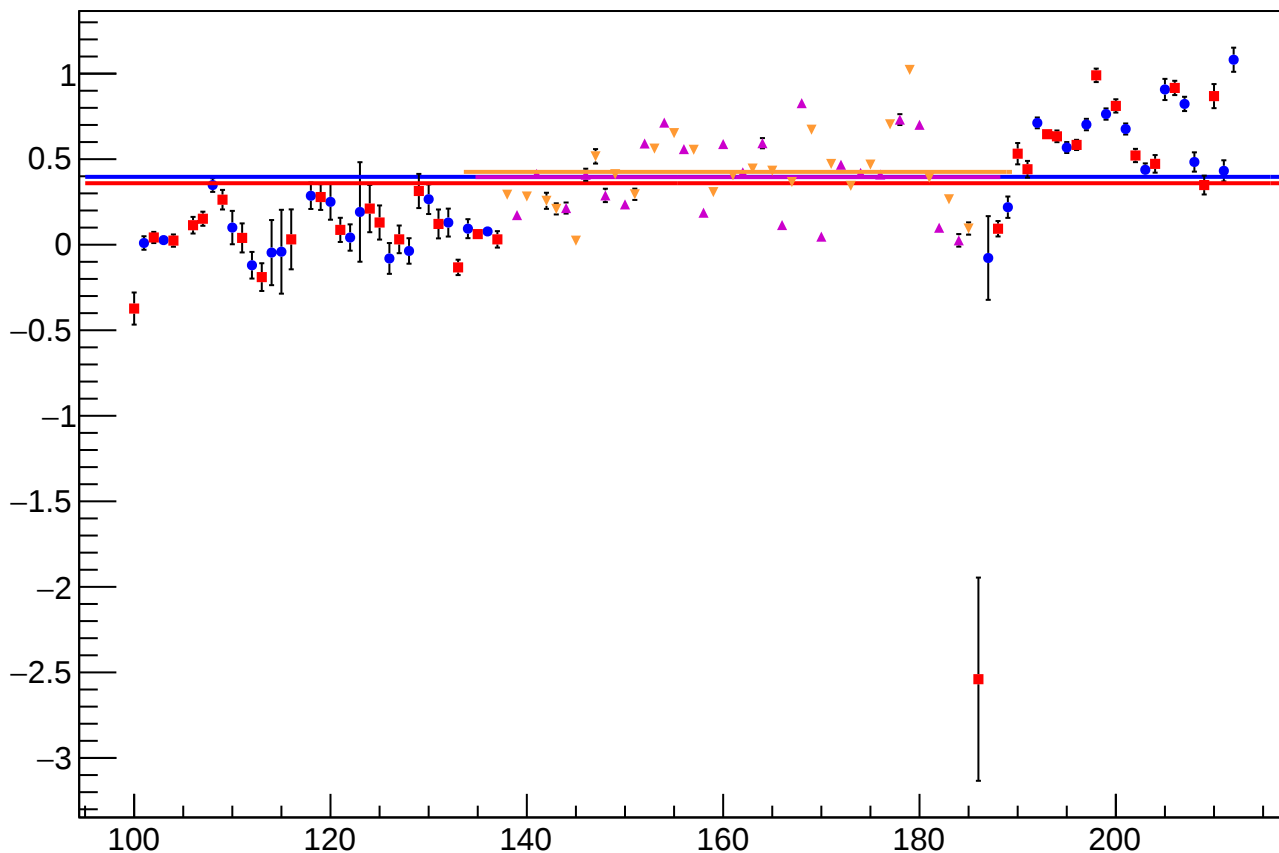
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -34.383 ± 0.103 $\chi^2/\text{NDF}: 13333.9/54$

All: -34.068 ± 0.073 $\chi^2/\text{NDF}: 30284.2/110$

- sign -33.745 ± 0.104 $\chi^2/\text{NDF}: 16931.3/55$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.397 $\pm$ 0.009 χ^2 /NDF: 1349.9/29

Left Out: 0.426 $\pm$ 0.005 χ^2 /NDF:1303.7/24

Right Out: 0.359 $\pm$ 0.008 χ^2 /NDF: 1627.9/32

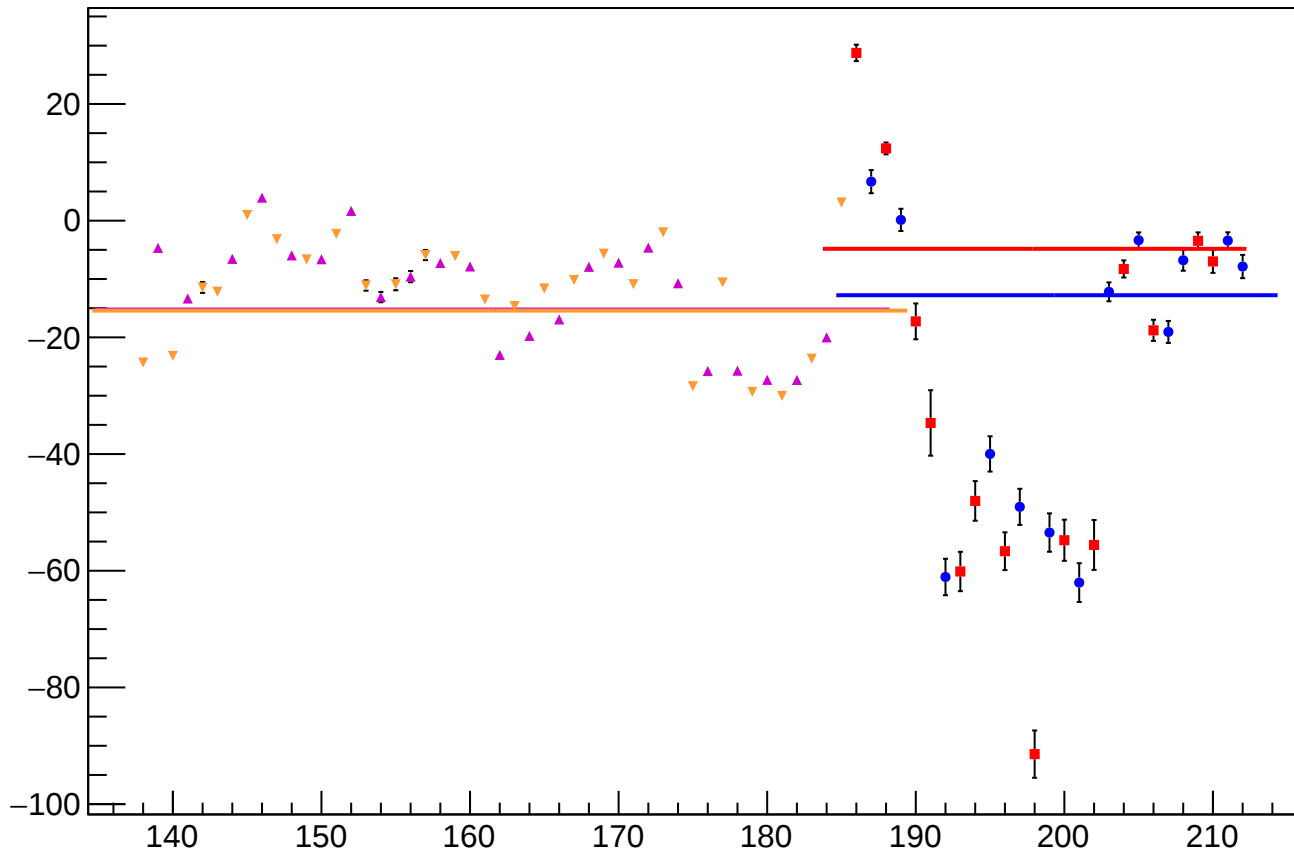
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.418 $\pm$ 0.005 χ^2 /NDF: 2661.9/54

All: 0.401 $\pm$ 0.003 χ^2 /NDF: 6127.5/110

- sign 0.384 $\pm$ 0.005 χ^2 /NDF: 3438.9/55

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -12.777 ± 0.550 $\chi^2/\text{NDF}: 1093.4/12$

Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$

Right Out: -4.821 ± 0.528 $\chi^2/\text{NDF}: 2453.8/13$

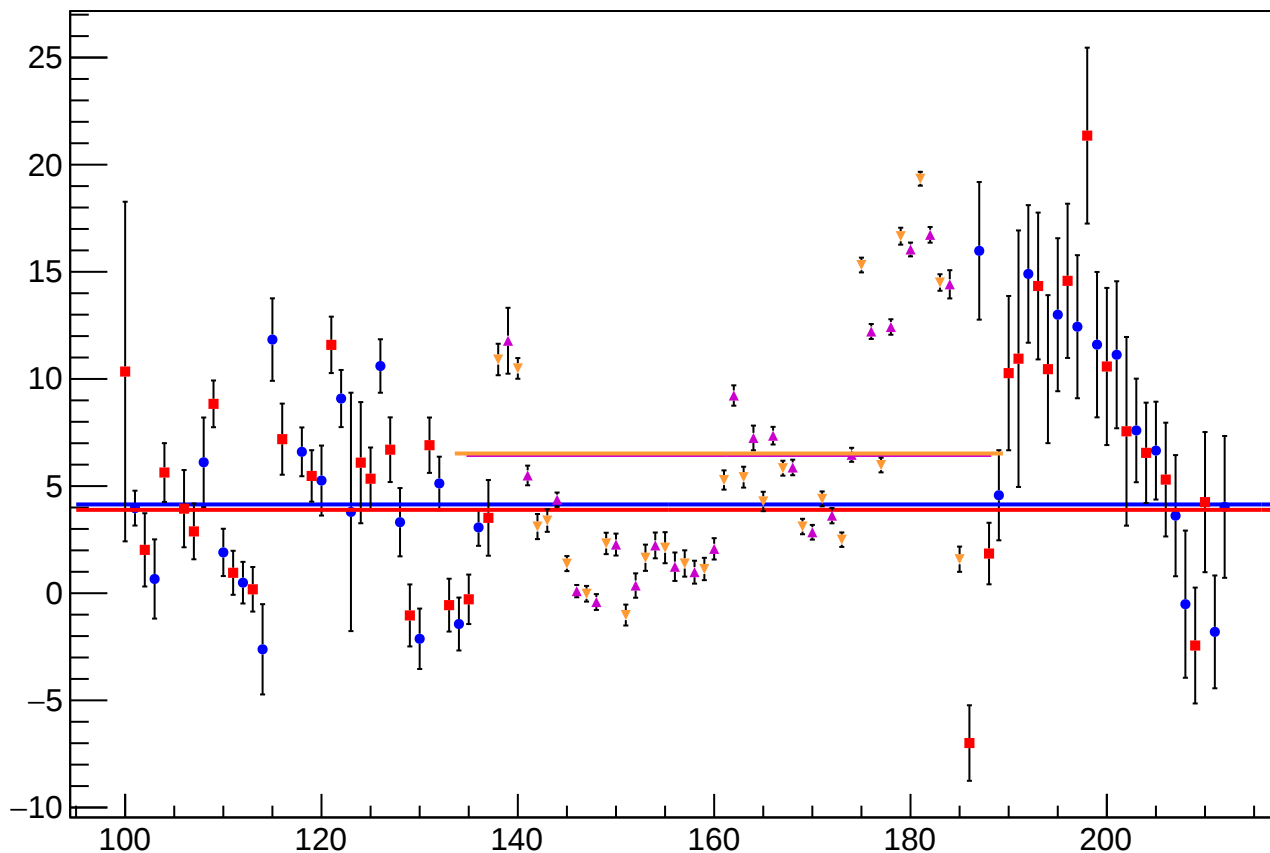
Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.320 ± 0.103 $\chi^2/\text{NDF}: 11624.6/37$

All: -15.073 ± 0.074 $\chi^2/\text{NDF}: 23121.2/74$

- sign -14.820 ± 0.105 $\chi^2/\text{NDF}: 11485.0/36$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.143 ± 0.290 χ^2/NDF : 193.7/29

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.891 ± 0.290 χ^2/NDF : 229.3/32

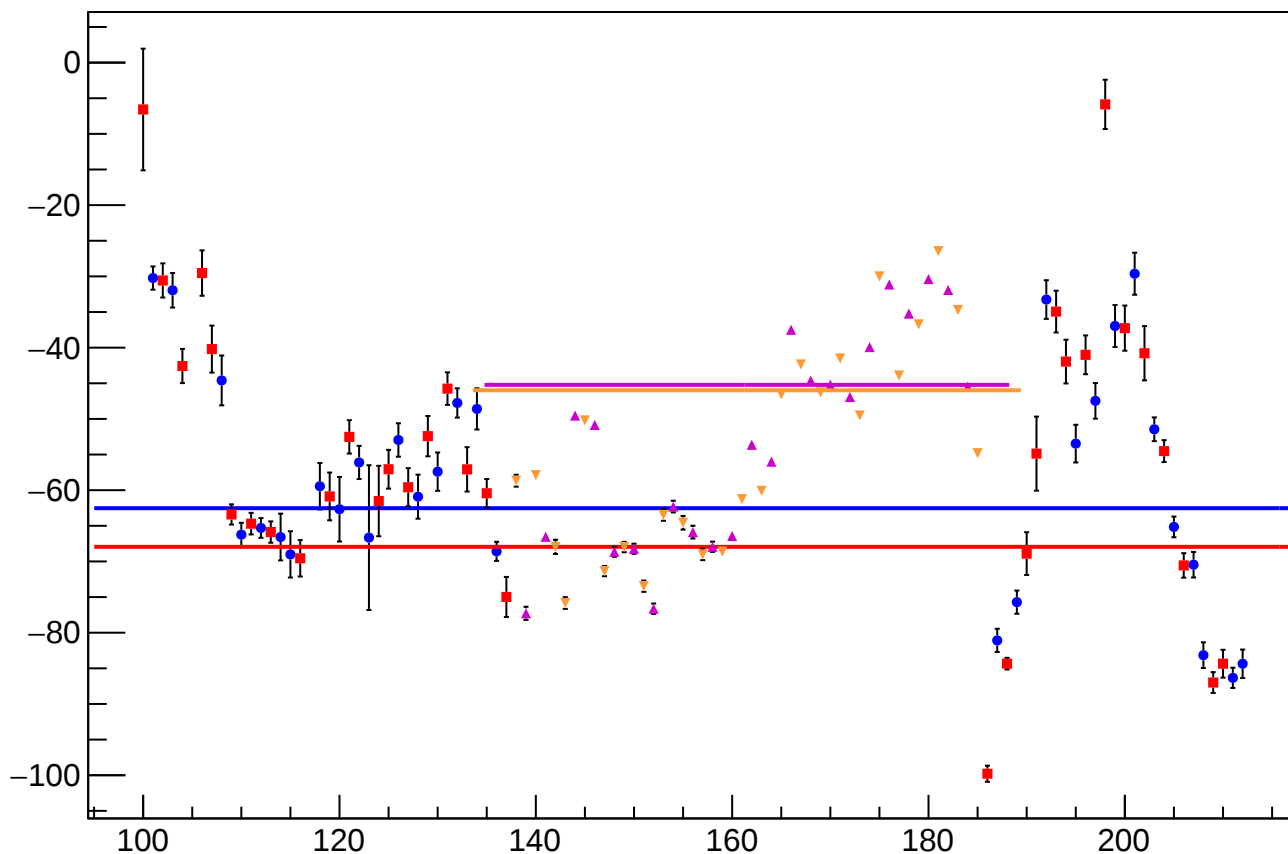
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.331 ± 0.082 χ^2/NDF : 5240.8/54

All: 6.288 ± 0.058 χ^2/NDF : 9490.2/110

- sign 6.245 ± 0.083 χ^2/NDF : 4248.9/55

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -62.528 ± 0.378 $\chi^2/\text{NDF}: 1872.8/29$

Left Out: -45.982 ± 0.106 $\chi^2/\text{NDF}: 17360.1/24$

Right Out: -67.948 ± 0.354 $\chi^2/\text{NDF}: 3154.4/32$

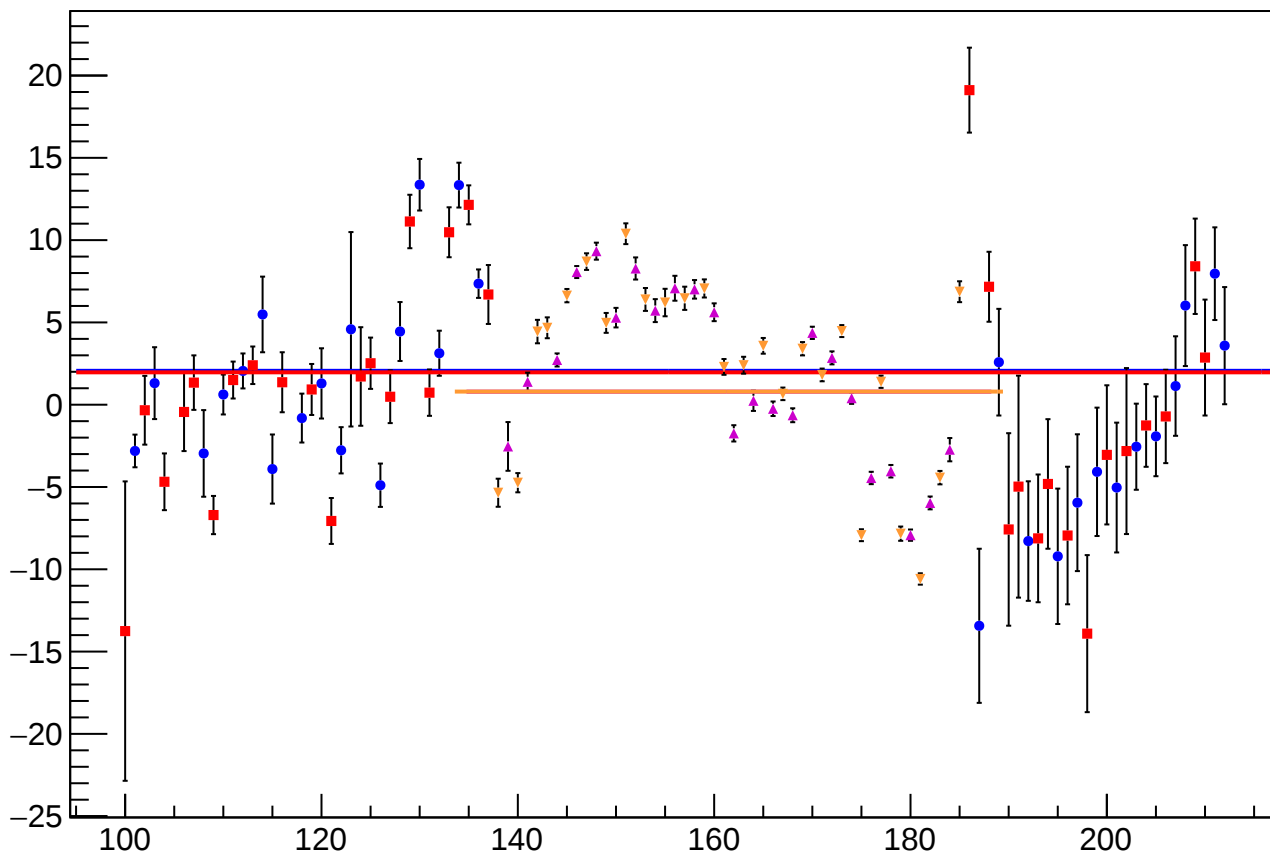
Left In: -45.222 ± 0.107 $\chi^2/\text{NDF}: 15600.2/22$

+ sign -47.193 ± 0.102 $\chi^2/\text{NDF}: 21007.7/54$

All: -47.164 ± 0.072 $\chi^2/\text{NDF}: 43545.3/110$

- sign -47.135 ± 0.103 $\chi^2/\text{NDF}: 22537.5/55$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.058 $\pm$ 0.326 χ^2 /NDF: 291.6/29

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 1.967 $\pm$ 0.331 χ^2 /NDF: 354.8/32

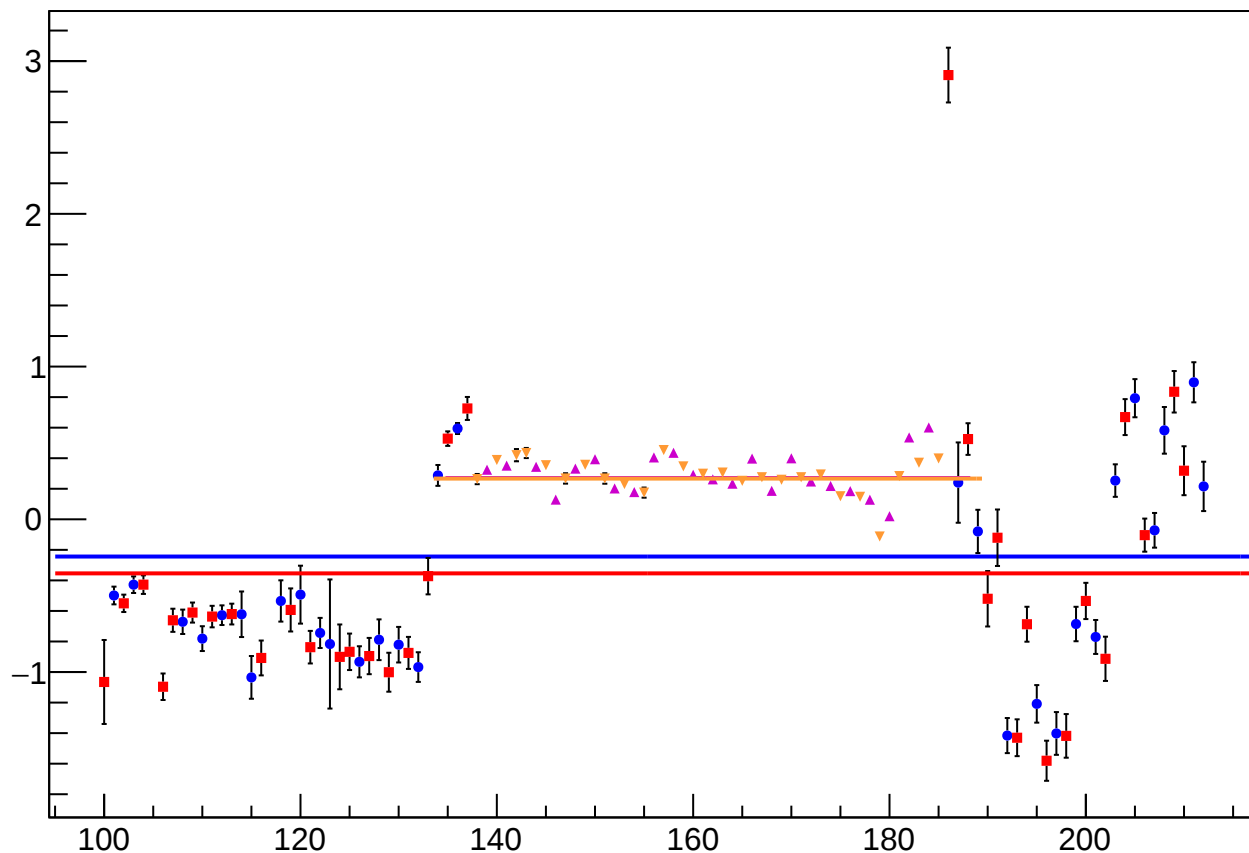
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.897 $\pm$ 0.092 χ^2 /NDF: 4065.3/54

All: 0.891 $\pm$ 0.065 χ^2 /NDF: 7124.2/110

- sign 0.884 $\pm$ 0.093 χ^2 /NDF: 3058.9/55

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.244 ± 0.017 χ^2/NDF : 1439.9/29

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.354 ± 0.017 χ^2/NDF : 1677.6/32

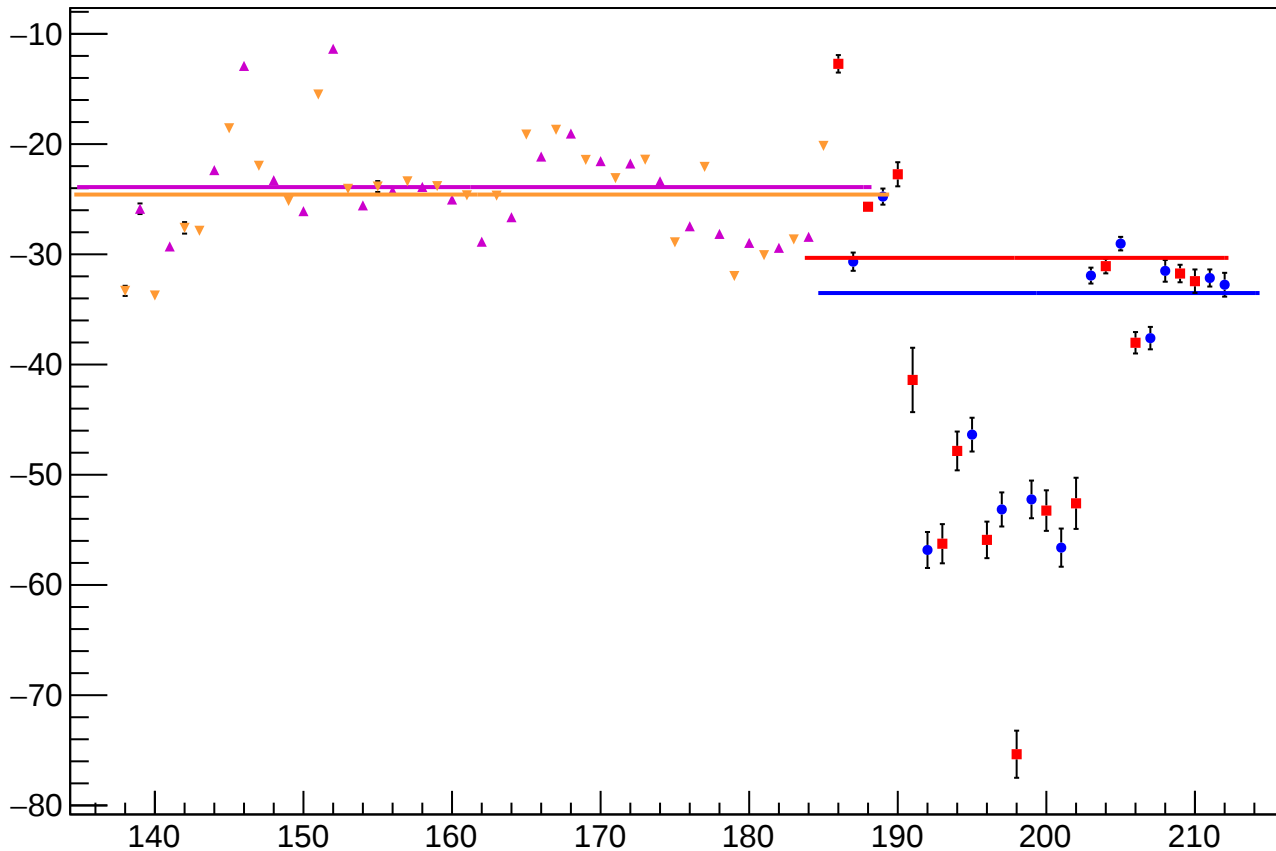
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.234 ± 0.004 χ^2/NDF : 3012.3/54

All: 0.232 ± 0.003 χ^2/NDF : 6962.5/110

- sign 0.229 ± 0.004 χ^2/NDF : 3949.6/55

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.514 ± 0.264 χ^2/NDF : 970.4/12

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -30.322 ± 0.254 χ^2/NDF : 1983.0/13

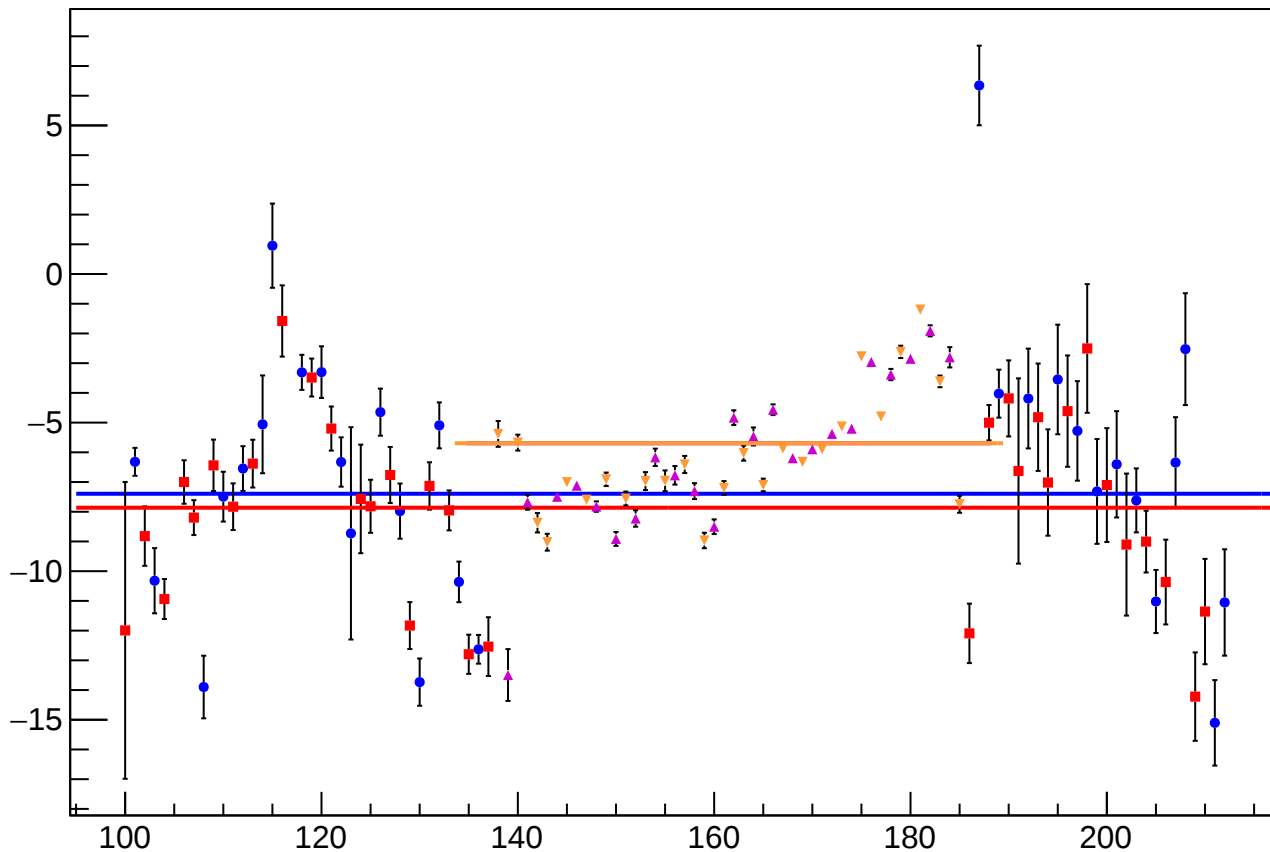
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.898 ± 0.050 χ^2/NDF : 10663.4/37

All: -24.525 ± 0.035 χ^2/NDF : 22526.8/74

- sign -24.151 ± 0.050 χ^2/NDF : 11752.0/36

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.394 ± 0.168 $\chi^2/\text{NDF}: 565.6/29$

Left Out: -5.694 ± 0.041 $\chi^2/\text{NDF}: 2258.3/24$

Right Out: -7.864 ± 0.164 $\chi^2/\text{NDF}: 312.0/32$

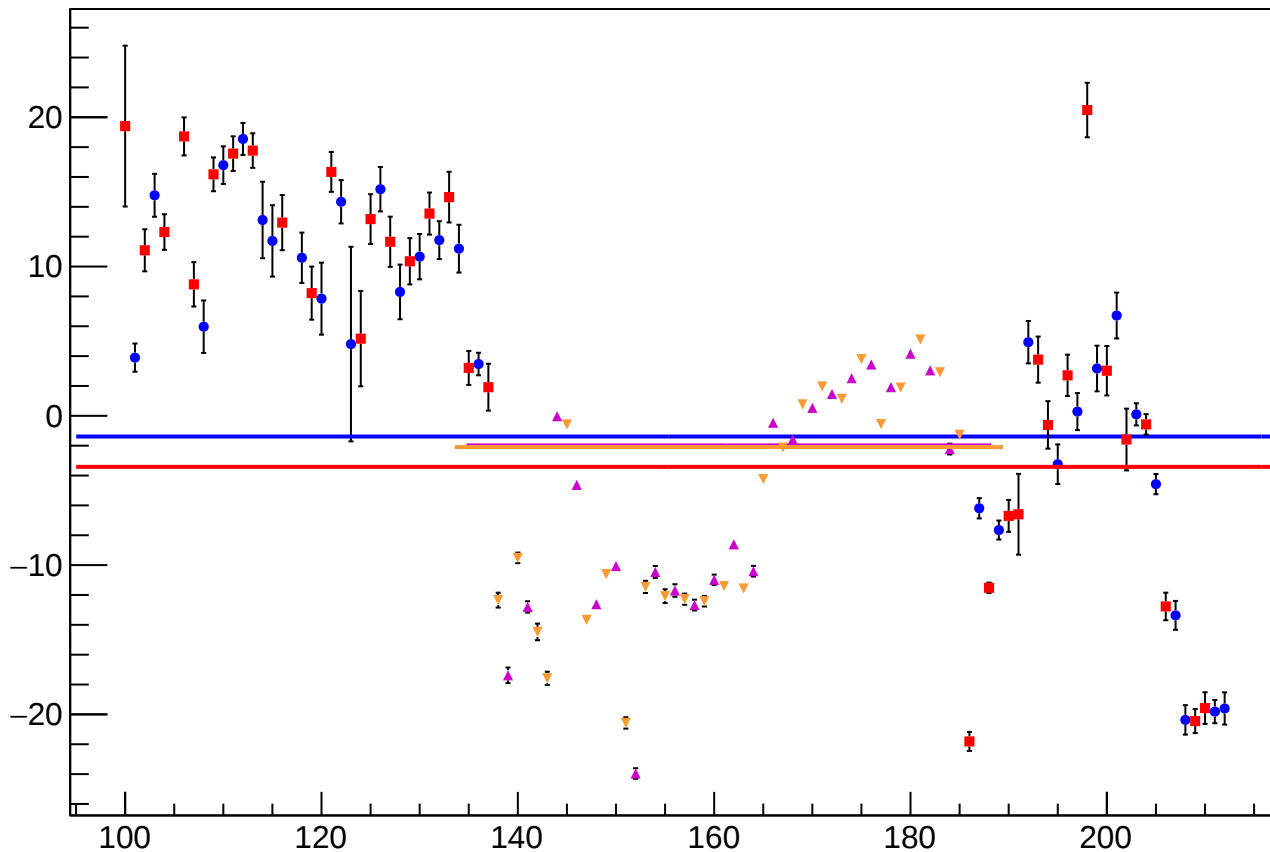
Left In: -5.696 ± 0.041 $\chi^2/\text{NDF}: 2309.8/22$

+ sign -5.790 ± 0.040 $\chi^2/\text{NDF}: 2920.6/54$

All: -5.806 ± 0.028 $\chi^2/\text{NDF}: 5707.1/110$

- sign -5.822 ± 0.040 $\chi^2/\text{NDF}: 2786.2/55$

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -1.386 ± 0.202 χ^2/NDF : 3003.6/29

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -3.418 ± 0.186 χ^2/NDF : 4964.2/32

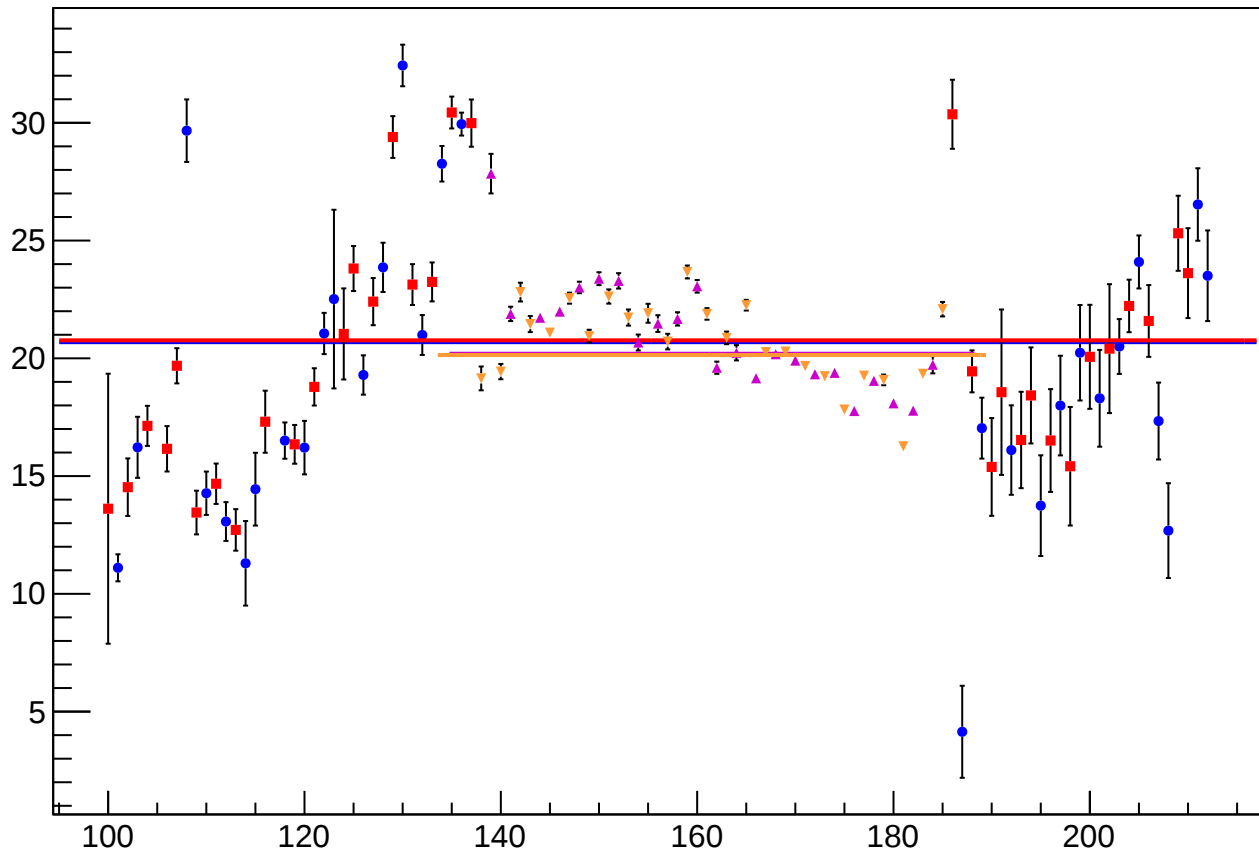
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -2.049 ± 0.050 χ^2/NDF : 19320.4/54

All: -2.065 ± 0.035 χ^2/NDF : 39722.5/110

- sign -2.082 ± 0.049 χ^2/NDF : 20401.9/55

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.686 $\pm$ 0.191 χ^2 /NDF: 1357.1/29

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF:1419.1/24

Right Out: 20.764 $\pm$ 0.192 χ^2 /NDF: 800.4/32

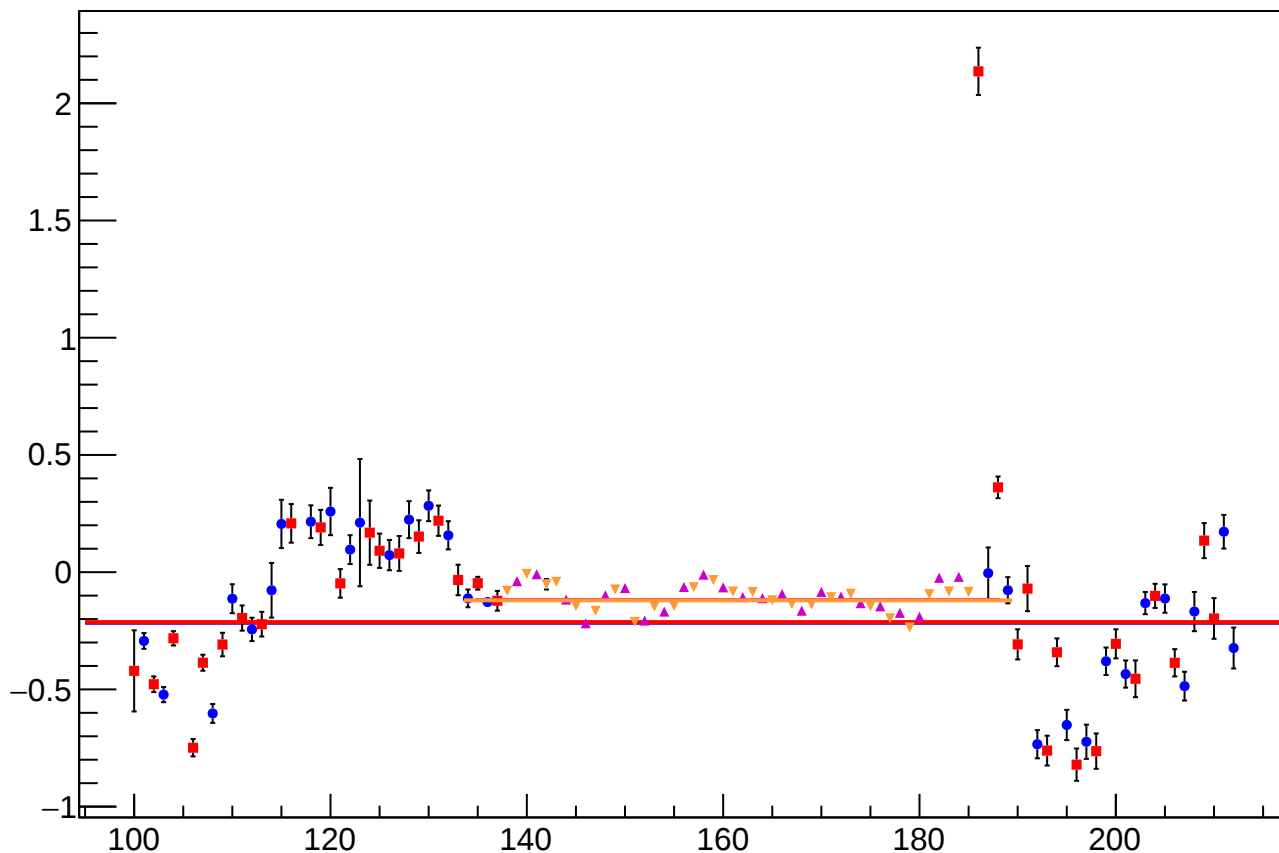
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF:1447.4/22

+ sign 20.171 $\pm$ 0.045 χ^2 /NDF: 2783.9/54

All: 20.198 $\pm$ 0.032 χ^2 /NDF: 5040.7/110

- sign 20.225 $\pm$ 0.045 χ^2 /NDF: 2256.1/55

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.216 ± 0.009 χ^2/NDF : 729.0/29

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.213 ± 0.009 χ^2/NDF : 1492.2/32

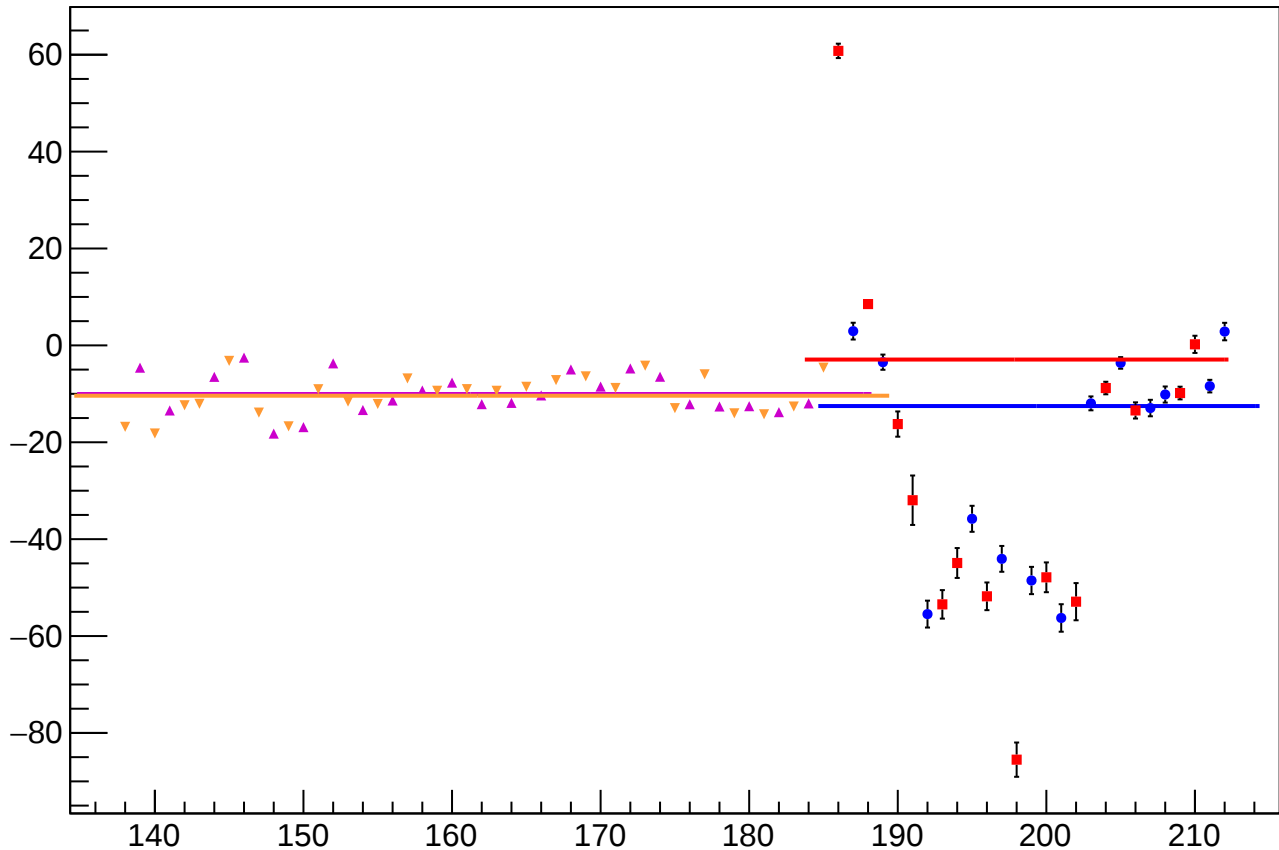
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.125 ± 0.002 χ^2/NDF : 1356.1/54

All: -0.124 ± 0.001 χ^2/NDF : 3668.3/110

- sign -0.123 ± 0.002 χ^2/NDF : 2311.9/55

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -12.522 ± 0.488 $\chi^2/\text{NDF}: 1109.2/12$

Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$

Right Out: -2.925 ± 0.474 $\chi^2/\text{NDF}: 3865.8/13$

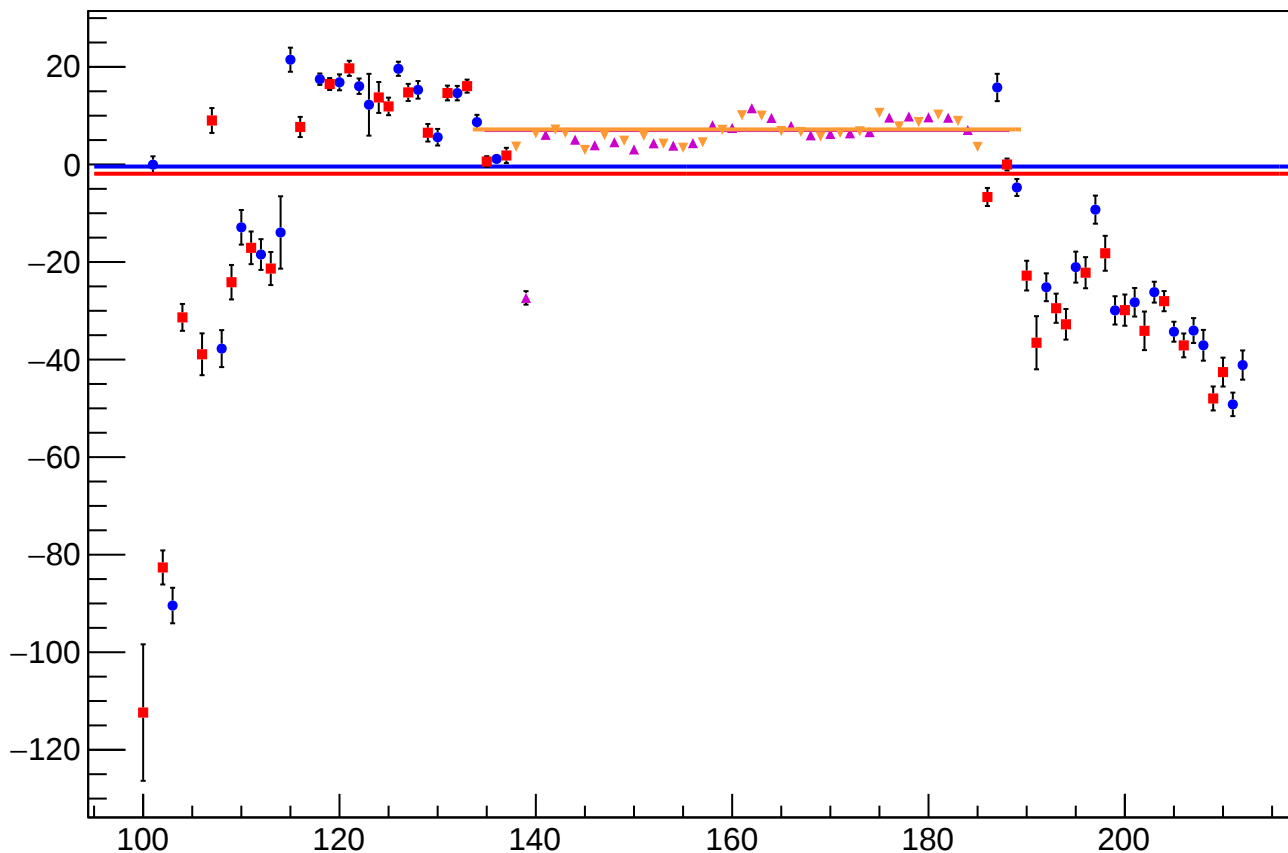
Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

+ sign -10.458 ± 0.086 $\chi^2/\text{NDF}: 3239.2/37$

All: -10.130 ± 0.062 $\chi^2/\text{NDF}: 9109.8/74$

- sign -9.791 ± 0.088 $\chi^2/\text{NDF}: 5841.4/36$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -0.429 ± 0.352 χ^2/NDF : 3400.9/29

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: -1.900 ± 0.362 χ^2/NDF : 3236.4/32

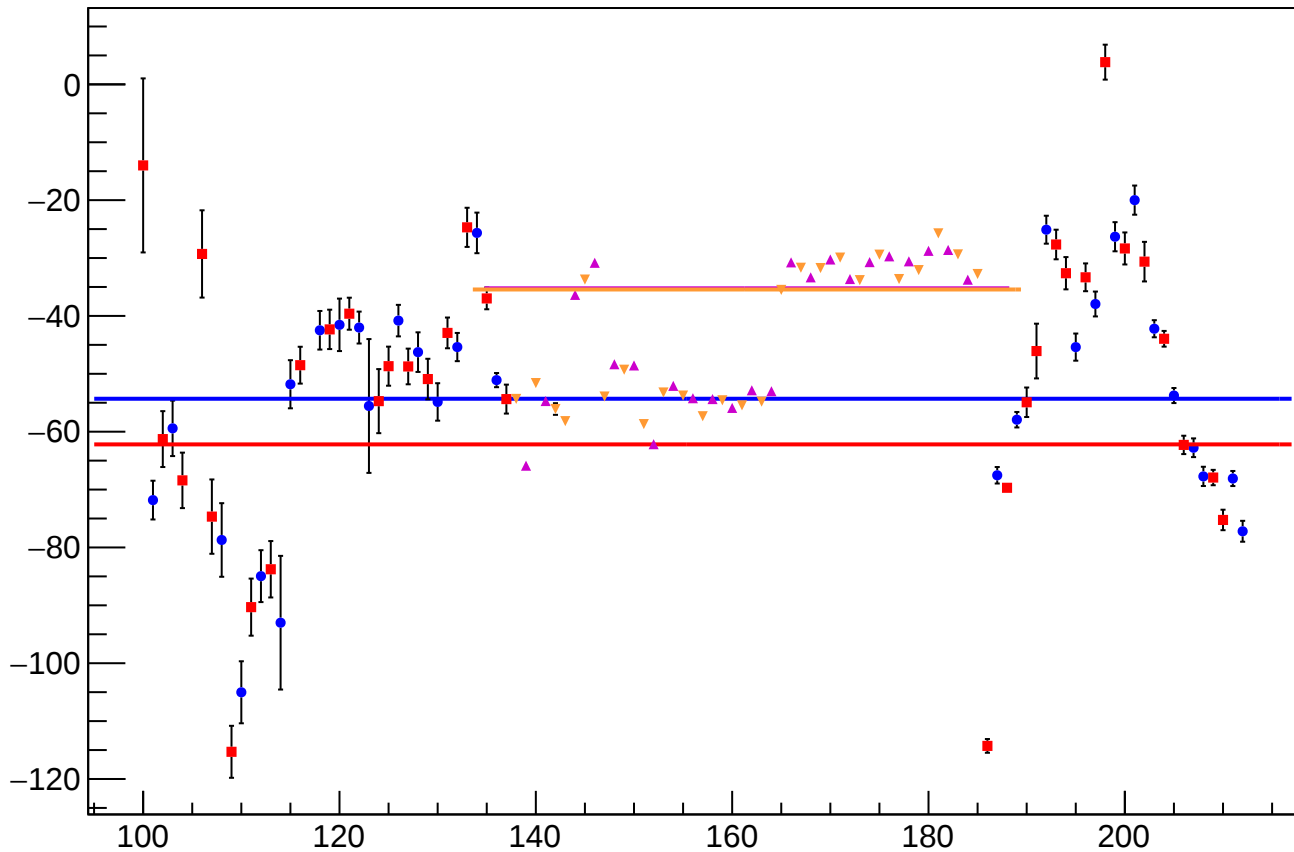
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 6.866 ± 0.072 χ^2/NDF : 4766.2/54

All: 6.780 ± 0.051 χ^2/NDF : 10128.3/110

- sign 6.692 ± 0.073 χ^2/NDF : 5359.1/55

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -54.310 ± 0.394 χ^2/NDF : 1403.1/29

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -62.195 ± 0.374 χ^2/NDF : 4225.3/32

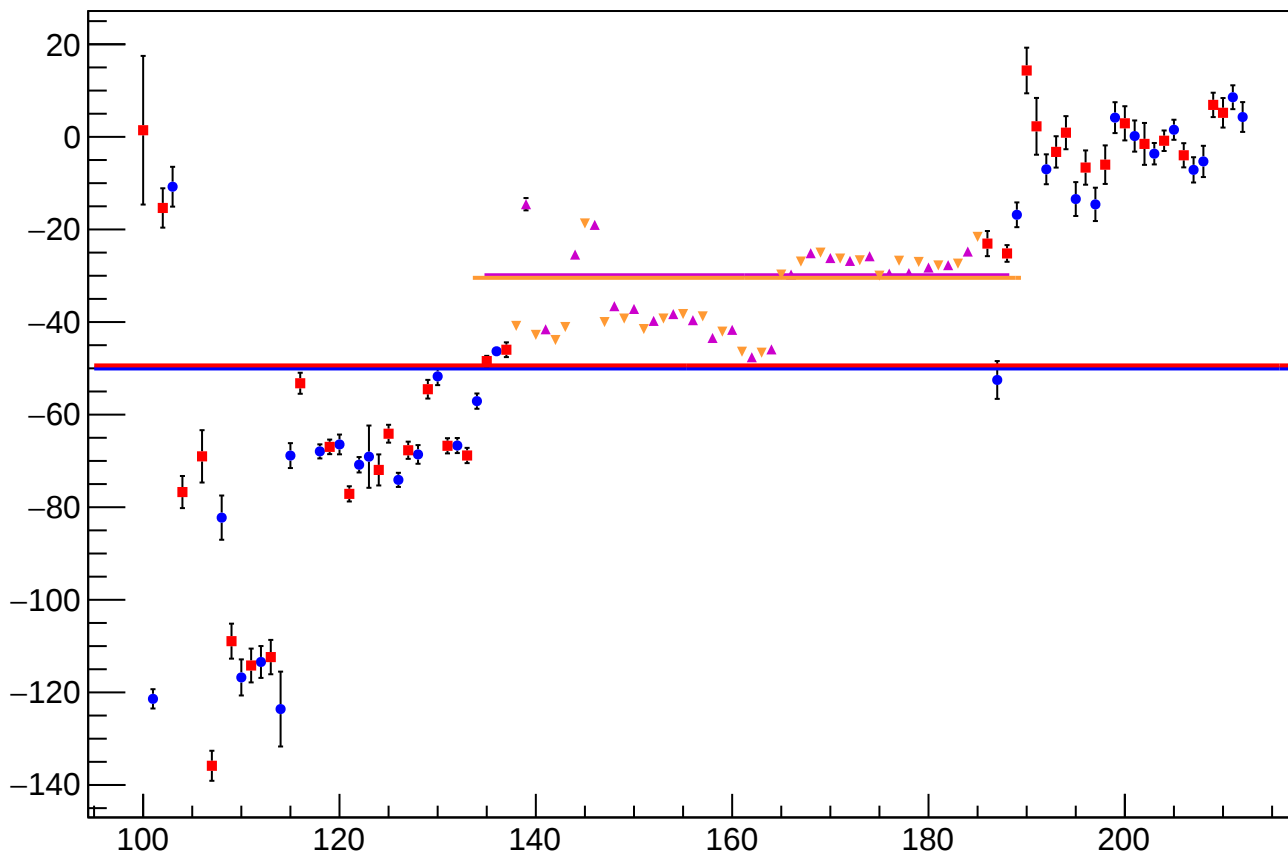
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -36.351 ± 0.087 χ^2/NDF : 16370.9/54

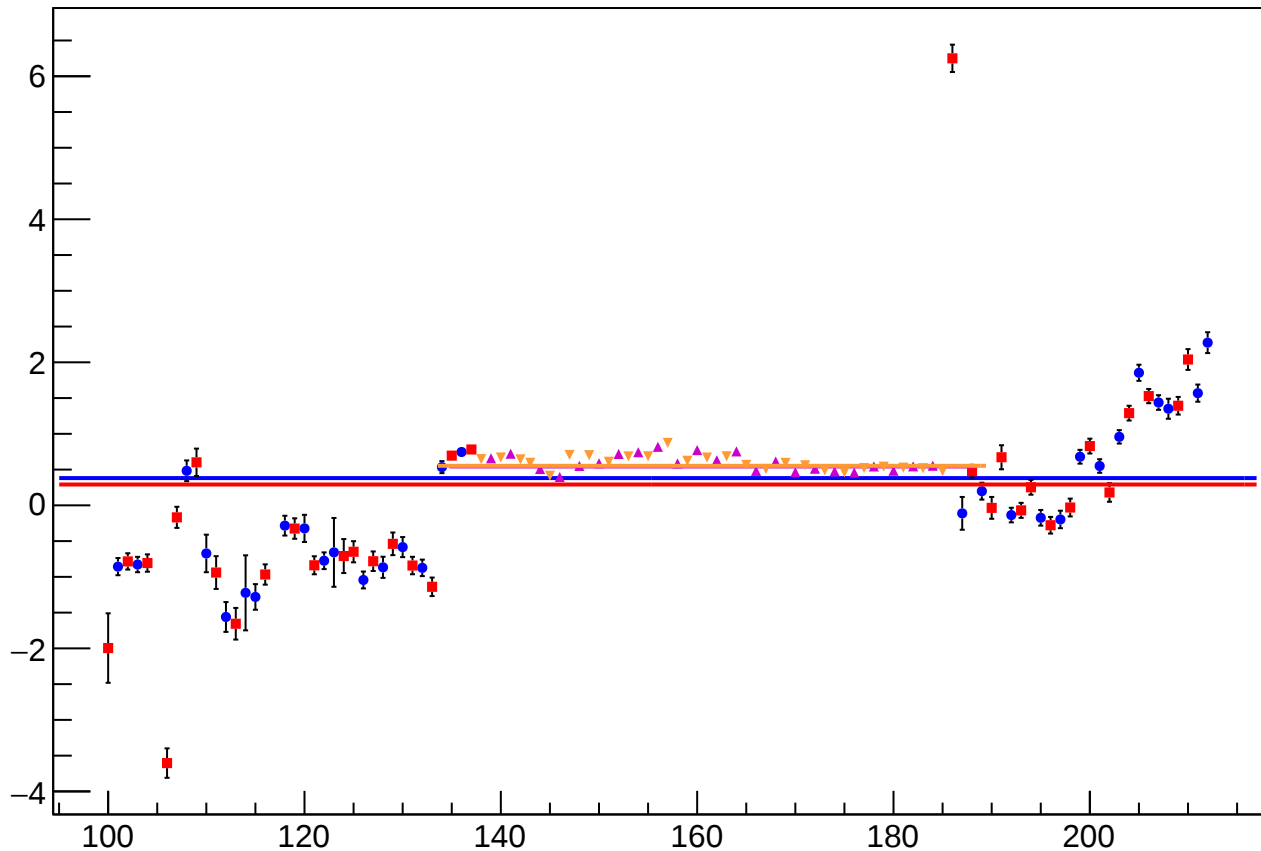
All: -36.529 ± 0.062 χ^2/NDF : 37130.1/110

- sign -36.711 ± 0.088 χ^2/NDF : 20750.8/55

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.381 ± 0.019 χ^2/NDF : 1798.8/29

Left Out: 0.553 ± 0.004 χ^2/NDF : 542.1/24

Right Out: 0.291 ± 0.020 χ^2/NDF : 2864.0/32

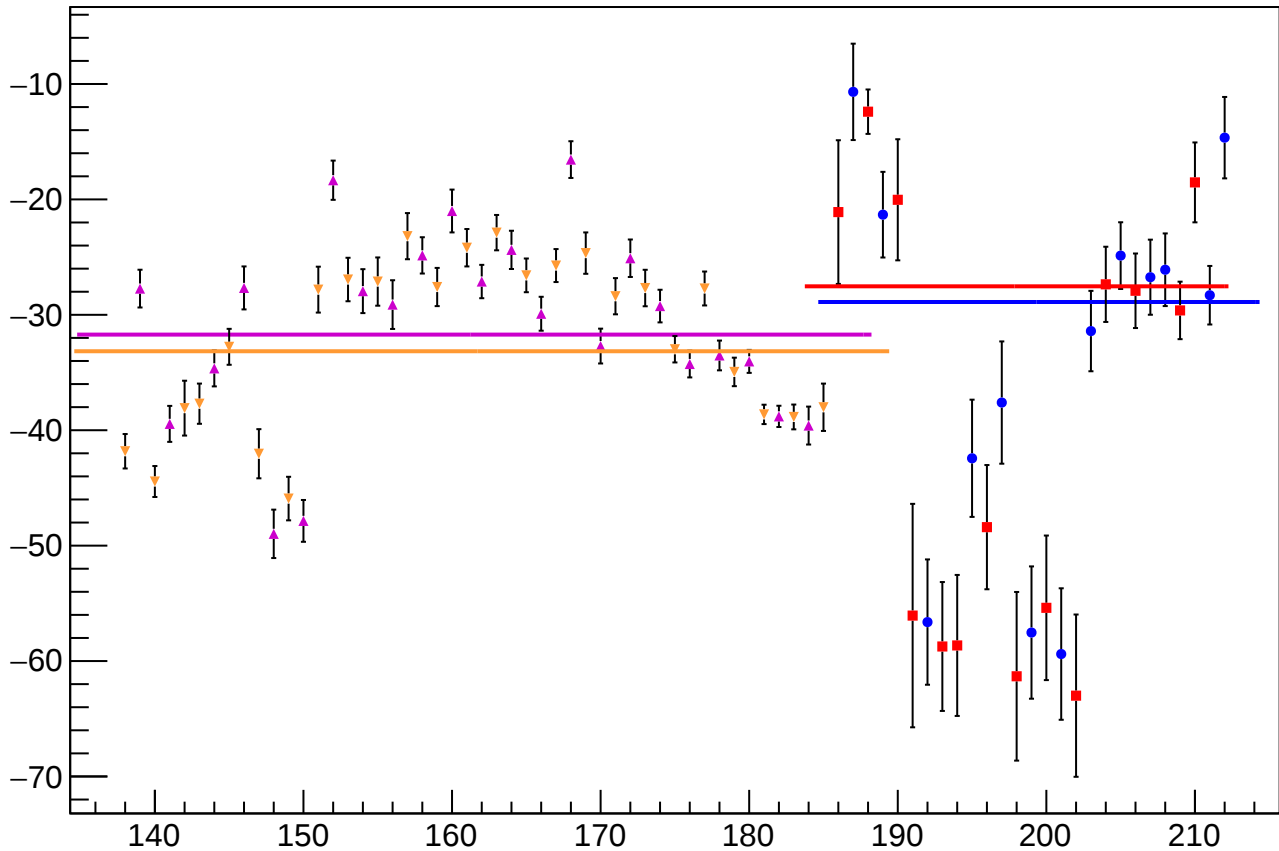
Left In: 0.544 ± 0.004 χ^2/NDF : 655.9/22

+ sign 0.547 ± 0.004 χ^2/NDF : 2418.7/54

All: 0.541 ± 0.003 χ^2/NDF : 6094.6/110

- sign 0.535 ± 0.004 χ^2/NDF : 3671.0/55

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -28.889 ± 1.035 χ^2/NDF : 132.8/12

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -27.531 ± 1.034 χ^2/NDF : 220.0/13

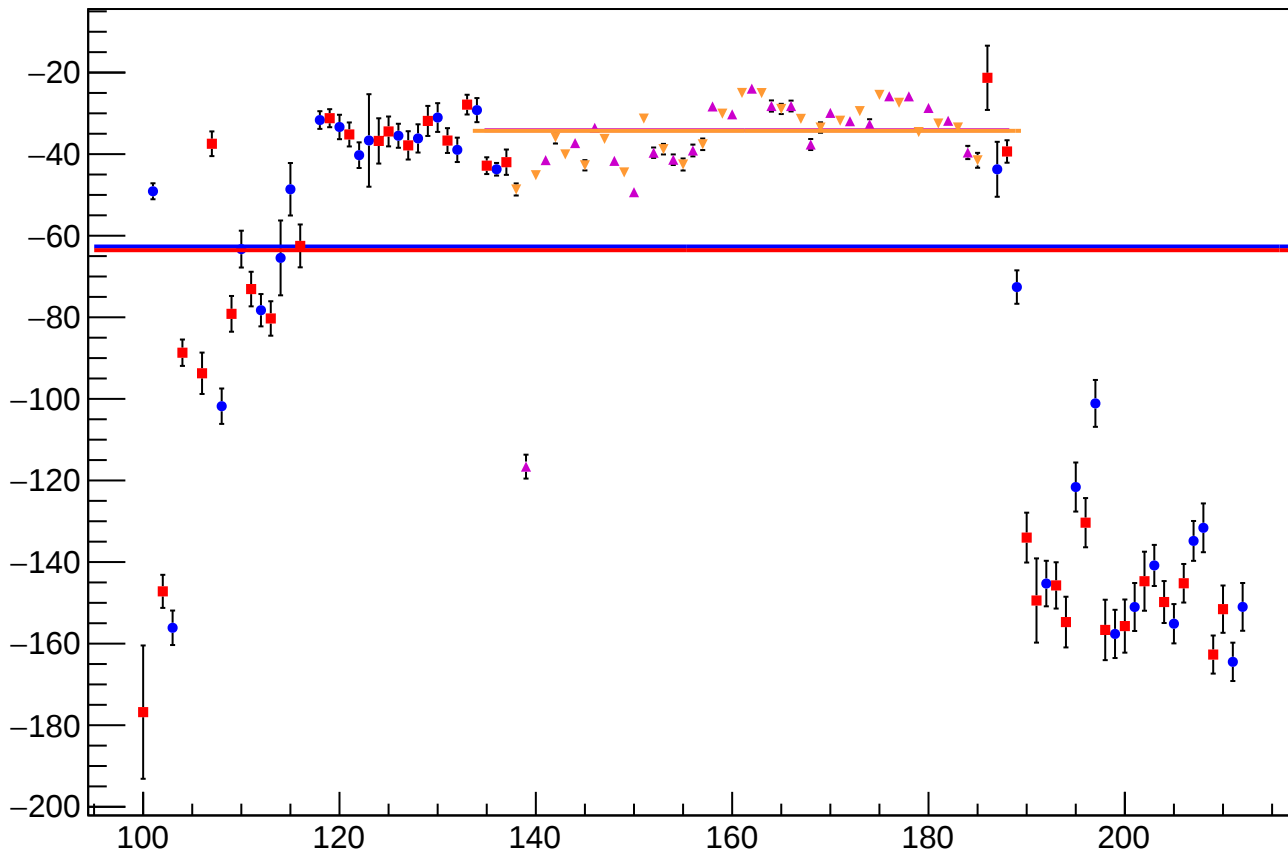
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -32.826 ± 0.288 χ^2/NDF : 648.5/37

All: -32.118 ± 0.207 χ^2/NDF : 1438.2/74

- sign -31.371 ± 0.296 χ^2/NDF : 777.3/36

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -62.647 ± 0.655 $\chi^2/\text{NDF}: 4074.6/29$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -63.553 ± 0.674 $\chi^2/\text{NDF}: 4244.9/32$

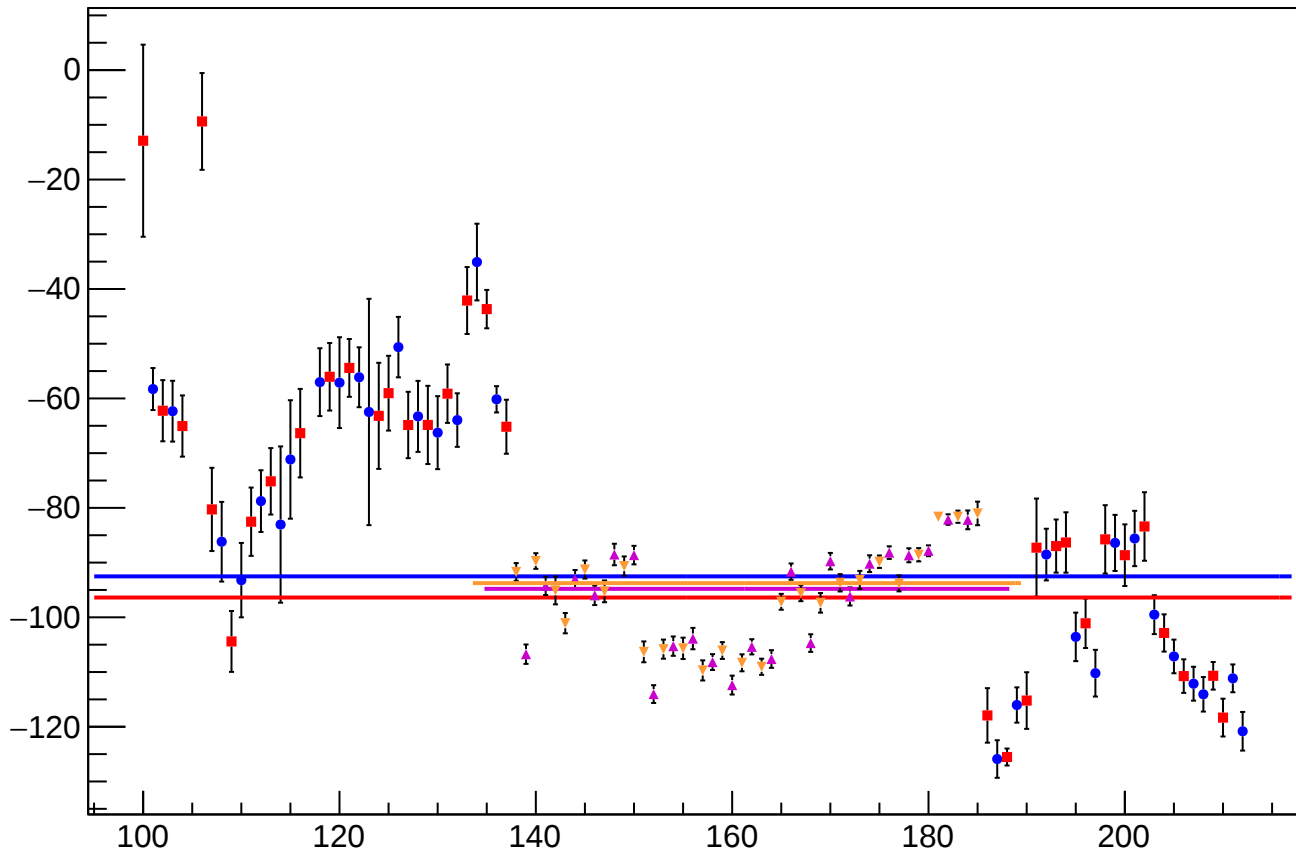
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -37.679 ± 0.227 $\chi^2/\text{NDF}: 6419.7/54$

All: -37.698 ± 0.163 $\chi^2/\text{NDF}: 13787.6/110$

- sign -37.718 ± 0.235 $\chi^2/\text{NDF}: 7367.9/55$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -92.517±/0.788 χ^2/NDF : 1000.2/29

Left Out: -93.754±/0.302 χ^2/NDF : 883.1/24

Right Out: -96.381±/0.774 χ^2/NDF : 1314.3/32

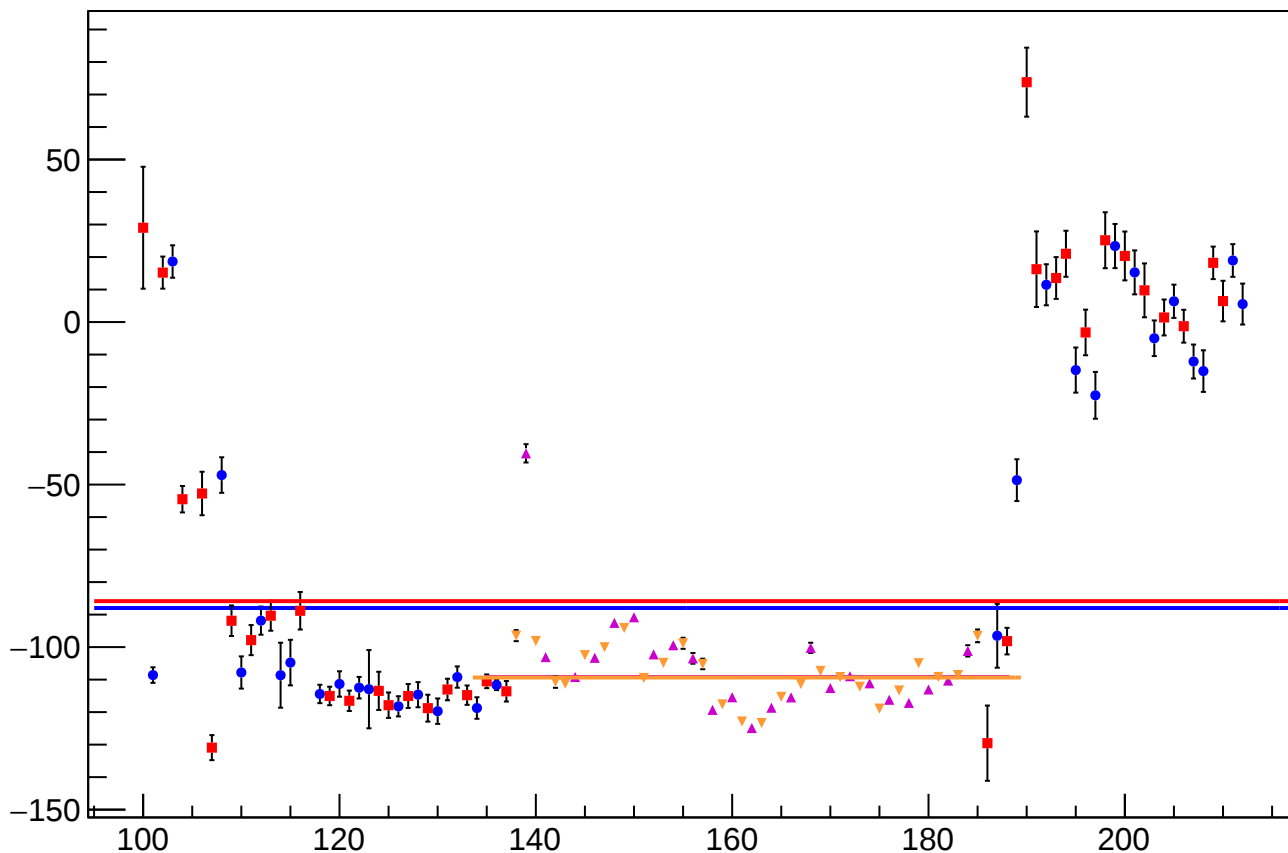
Left In: -94.796±/0.308 χ^2/NDF : 974.7/22

+ sign -93.596±/0.282 χ^2/NDF : 1885.4/54

All: -94.293±/0.201 χ^2/NDF : 4190.5/110

- sign -95.013±/0.287 χ^2/NDF : 2292.6/55

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -87.964 ± 0.738 χ^2/NDF : 3927.8/29

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -85.864 ± 0.773 χ^2/NDF : 4092.2/32

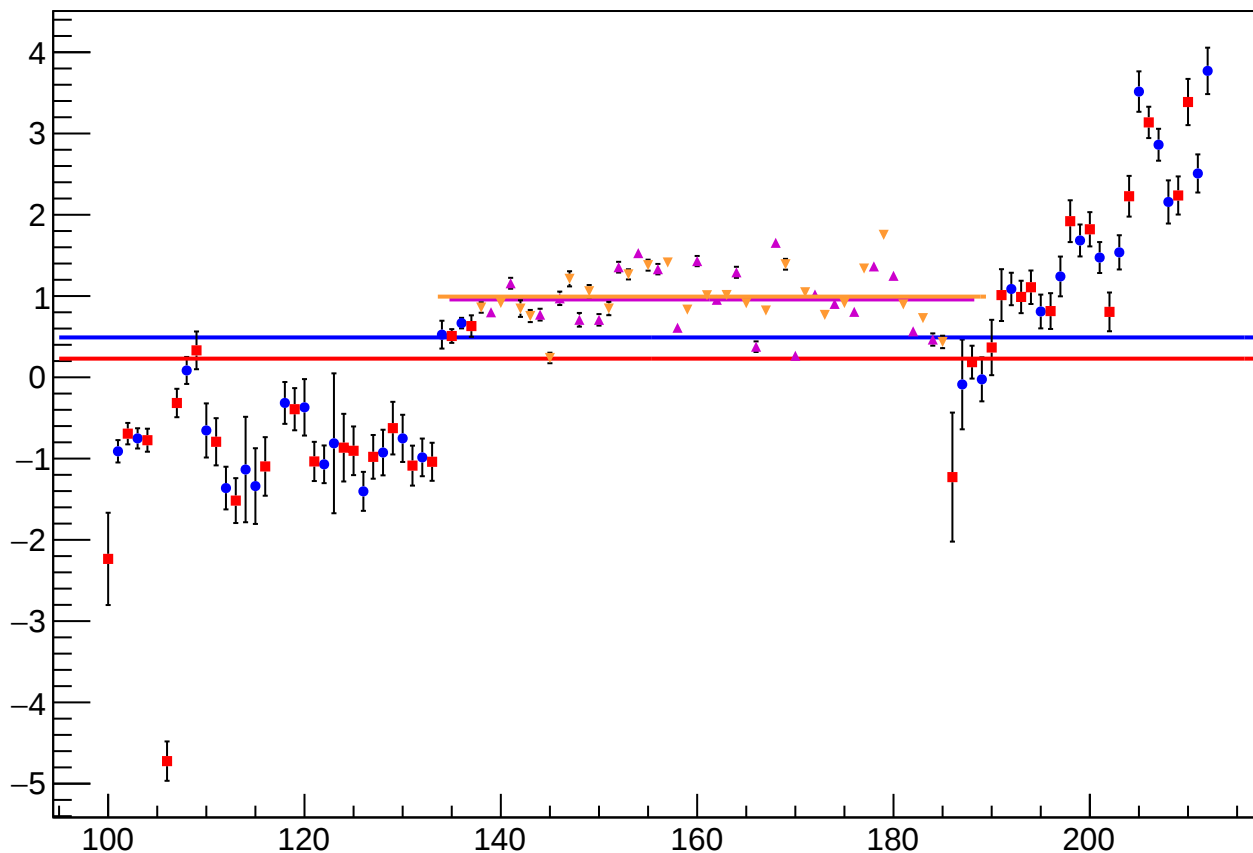
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -106.808 ± 0.255 χ^2/NDF : 5493.9/54

All: -106.649 ± 0.183 χ^2/NDF : 11893.4/110

- sign -106.479 ± 0.263 χ^2/NDF : 6398.6/55

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.491 ± 0.035 χ^2/NDF : 1162.6/29

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: 0.230 ± 0.036 χ^2/NDF : 1414.8/32

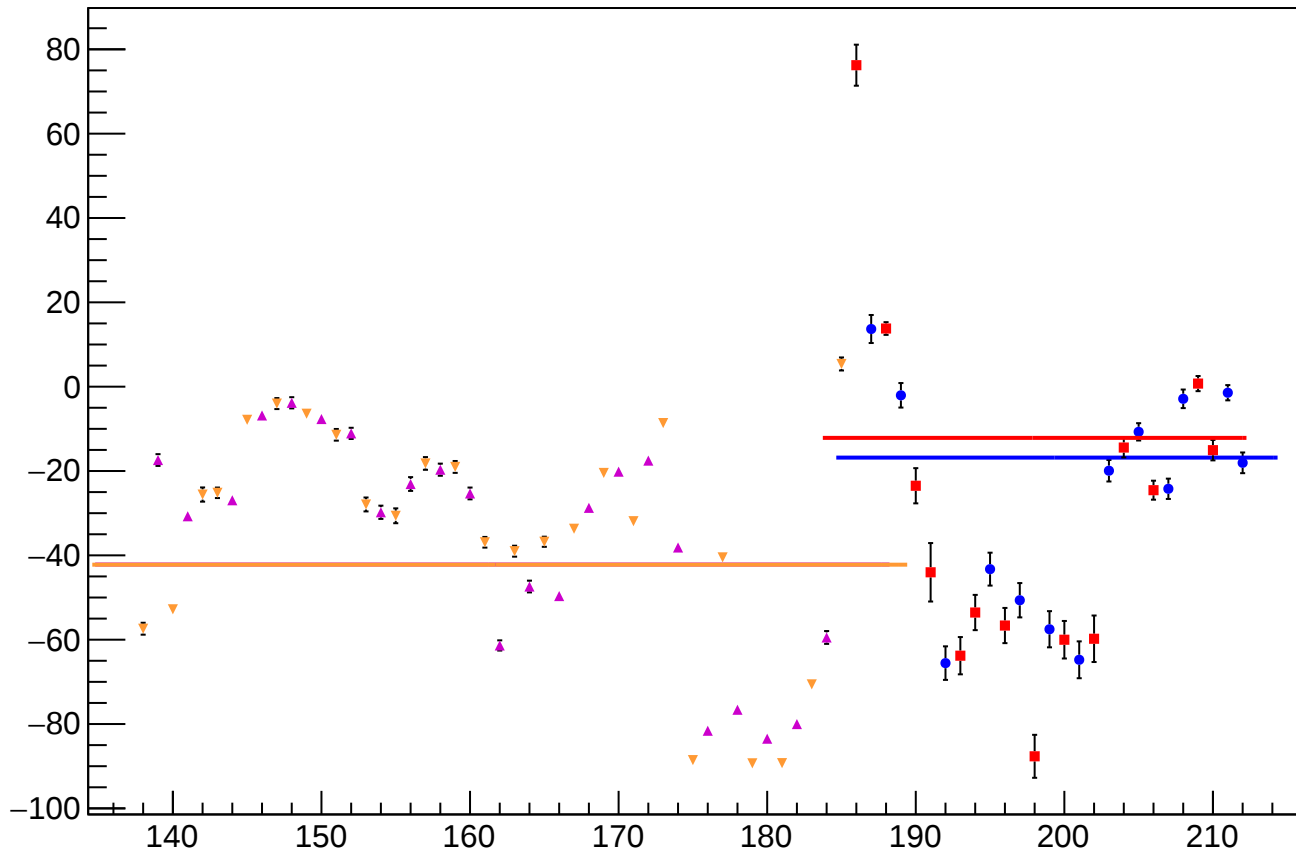
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.938 ± 0.012 χ^2/NDF : 1981.5/54

All: 0.909 ± 0.008 χ^2/NDF : 4661.4/110

- sign 0.879 ± 0.012 χ^2/NDF : 2667.6/55

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -16.820 ± 0.757 χ^2/NDF : 718.1/12

Left Out: -42.213 ± 0.222 χ^2/NDF : 18309.1/24

Right Out: -12.143 ± 0.765 χ^2/NDF : 1496.7/13

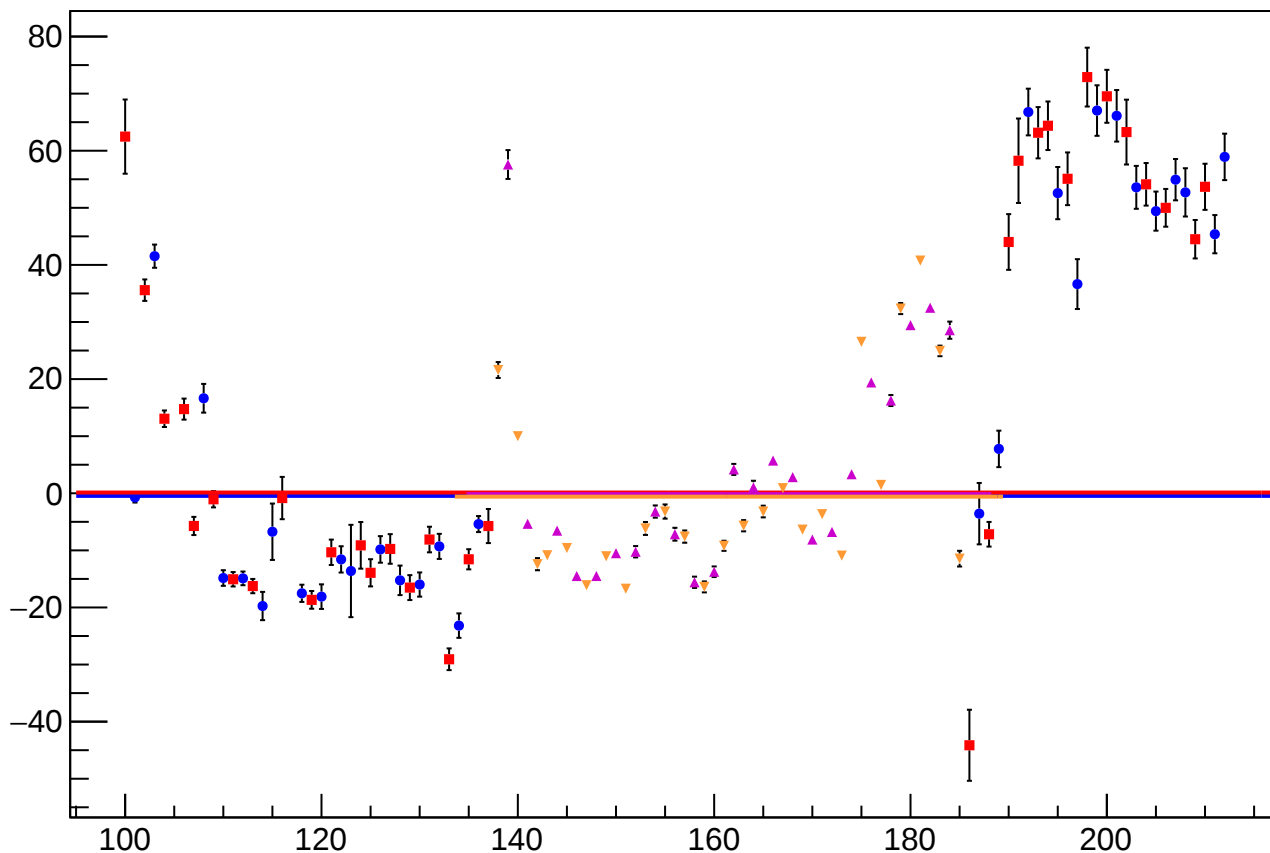
Left In: -42.176 ± 0.227 χ^2/NDF : 14575.9/22

+ sign -40.201 ± 0.213 χ^2/NDF : 20063.8/37

All: -39.978 ± 0.152 χ^2/NDF : 37554.2/74

- sign -39.746 ± 0.218 χ^2/NDF : 17488.2/36

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -0.455 ± 0.401 χ^2/NDF : 3402.6/29

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: 0.132 ± 0.398 χ^2/NDF : 3604.6/32

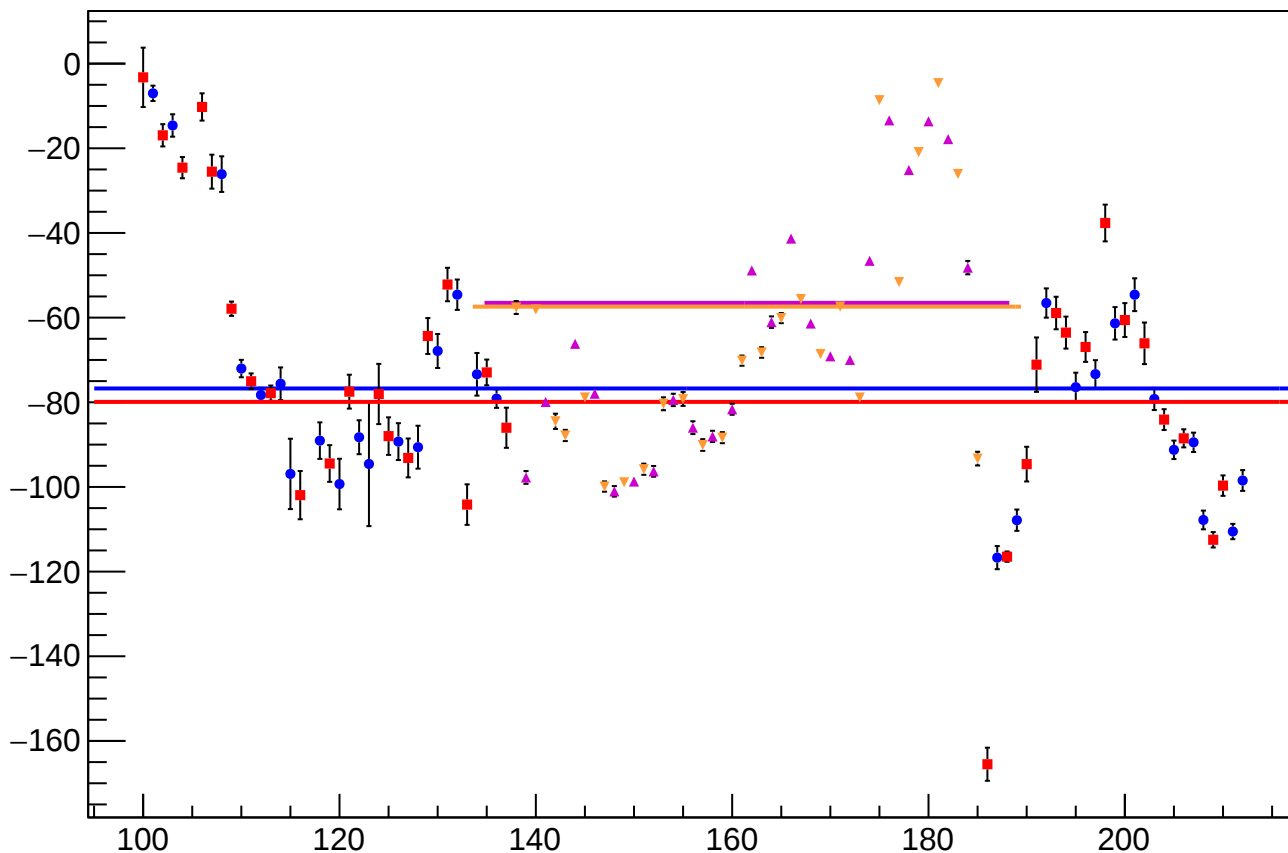
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -0.568 ± 0.160 χ^2/NDF : 12153.6/54

All: -0.337 ± 0.114 χ^2/NDF : 22625.4/110

- sign -0.096 ± 0.163 χ^2/NDF : 10467.5/55

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -76.737 ± 0.520 χ^2/NDF : 3423.2/29

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -79.906 ± 0.496 χ^2/NDF : 4133.7/32

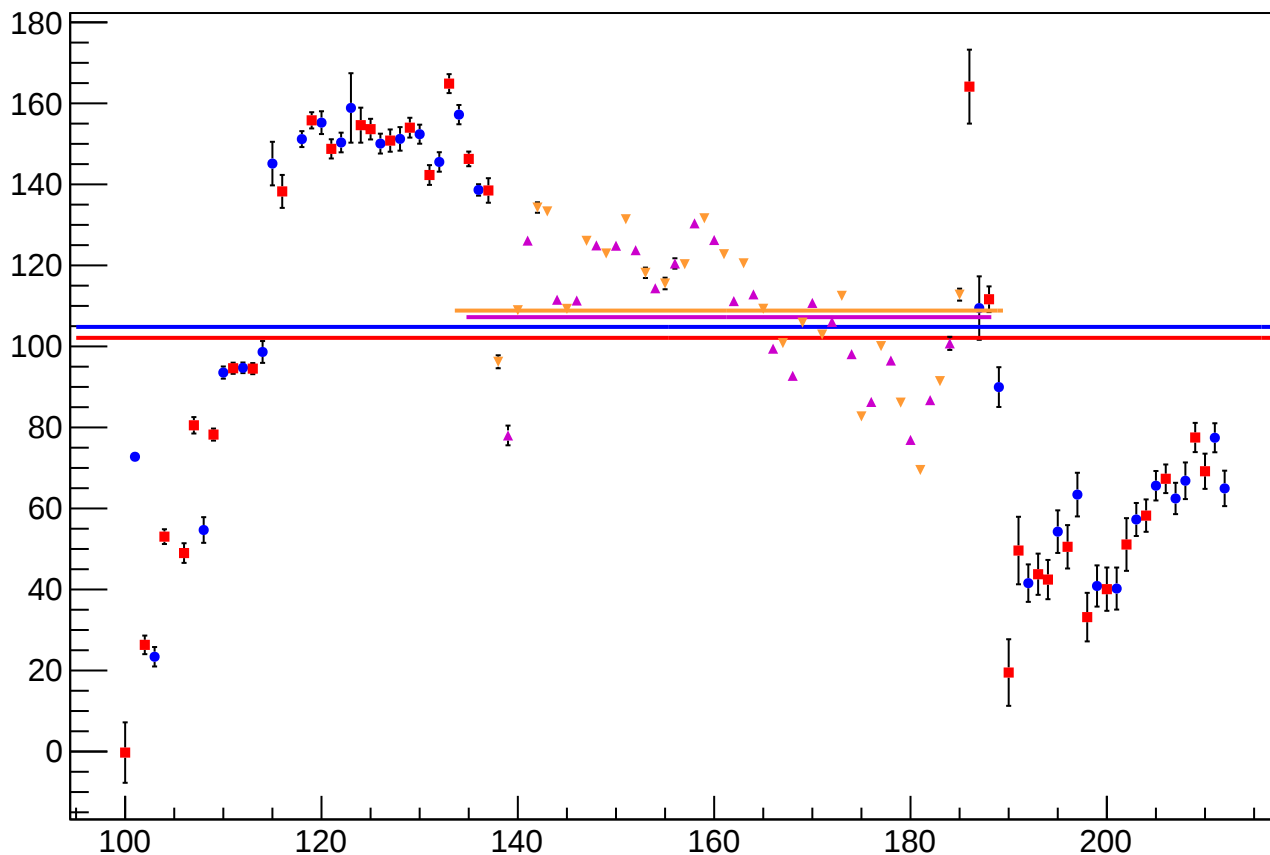
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -60.421 ± 0.205 χ^2/NDF : 23194.1/54

All: -60.497 ± 0.145 χ^2/NDF : 45520.0/110

- sign -60.574 ± 0.206 χ^2/NDF : 22325.7/55

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 104.815 $\pm$ 0.456 χ^2 /NDF: 7275.2/29

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 102.114 $\pm$ 0.456 χ^2 /NDF: 8373.1/32

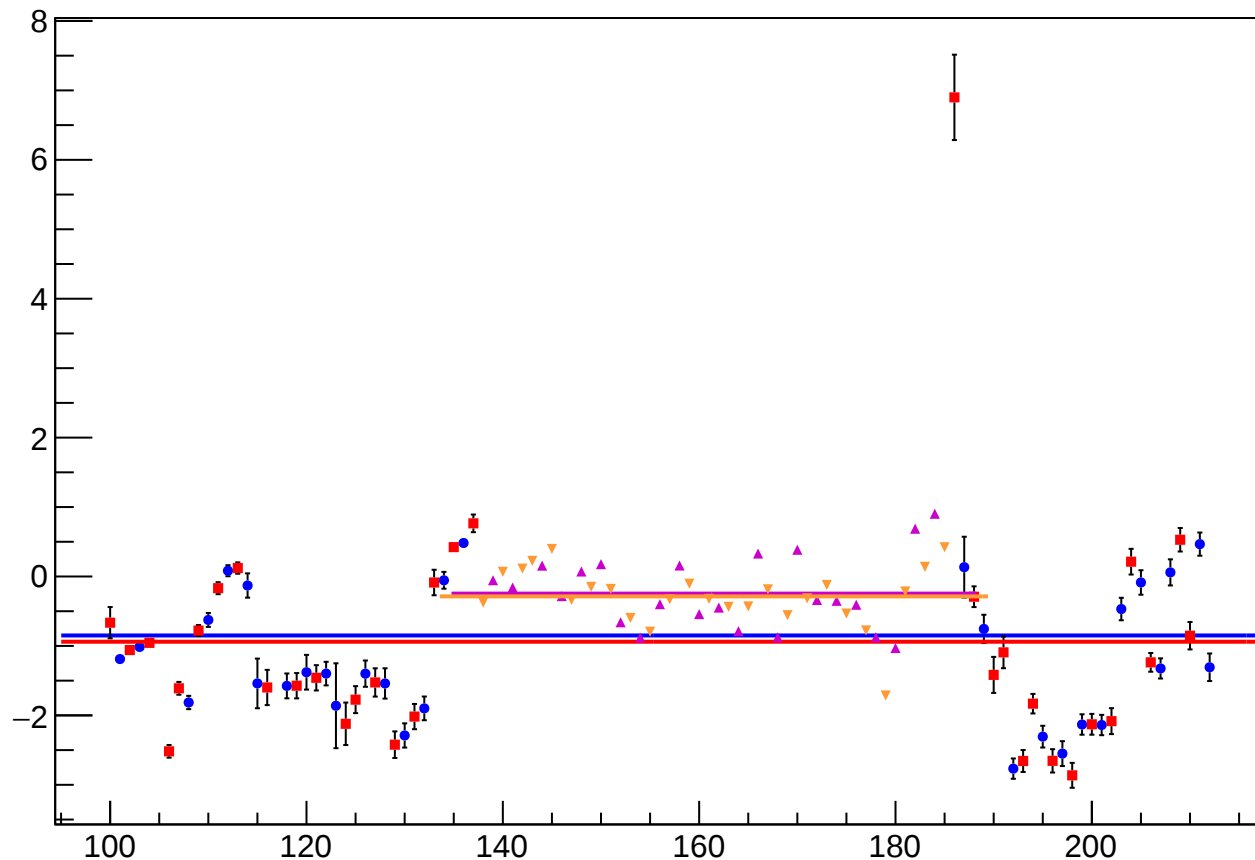
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.212 $\pm$ 0.181 χ^2 /NDF: 14741.1/54

All: 107.317 $\pm$ 0.129 χ^2 /NDF: 28834.3/110

- sign 106.384 $\pm$ 0.185 χ^2 /NDF: 14043.4/55

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.849 ± 0.023 χ^2/NDF : 1659.3/29

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.939 ± 0.022 χ^2/NDF : 2110.9/32

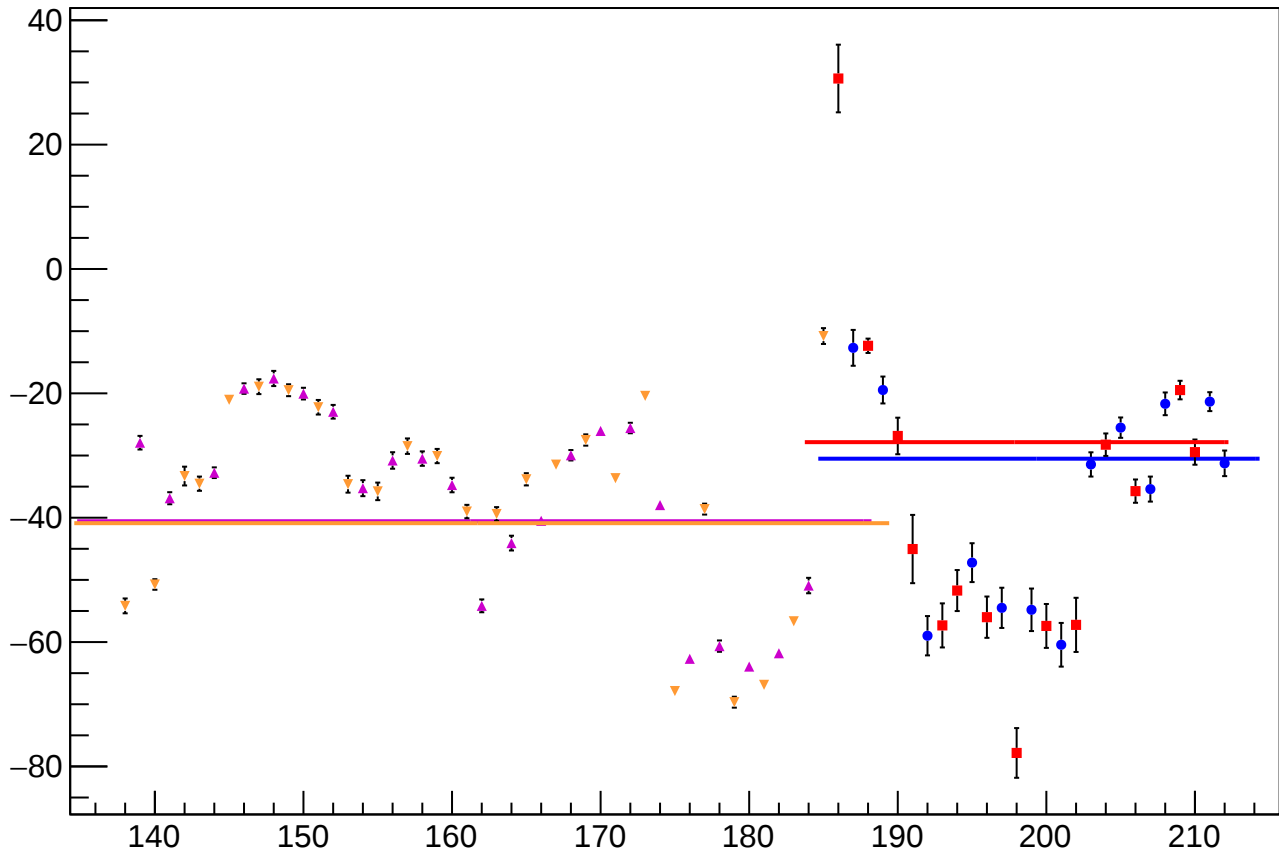
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.365 ± 0.008 χ^2/NDF : 4242.5/54

All: -0.359 ± 0.006 χ^2/NDF : 10014.1/110

- sign -0.354 ± 0.009 χ^2/NDF : 5770.9/55

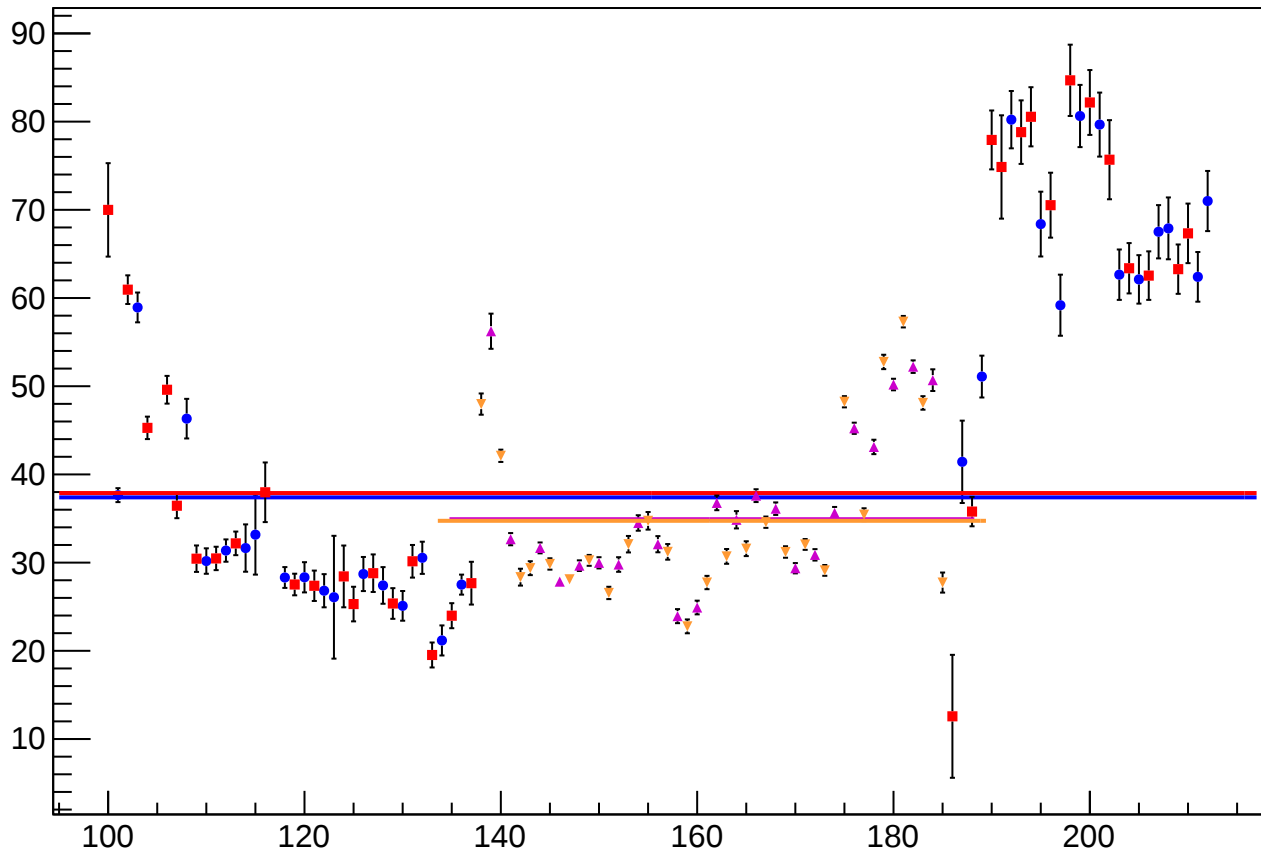
reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -30.509 ± 0.614 χ^2/NDF : 427.4/12
 Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24
 Right Out: -27.848 ± 0.611 χ^2/NDF : 820.6/13
 Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.007 ± 0.178 χ^2/NDF : 9811.7/37
 All: -39.733 ± 0.127 χ^2/NDF : 17986.5/74
 - sign -39.448 ± 0.181 χ^2/NDF : 8169.9/36

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 37.398 $\pm$ 0.346 χ^2 /NDF: 1744.6/29

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF: 3693.2/24

Right Out: 37.890 $\pm$ 0.346 χ^2 /NDF: 2165.7/32

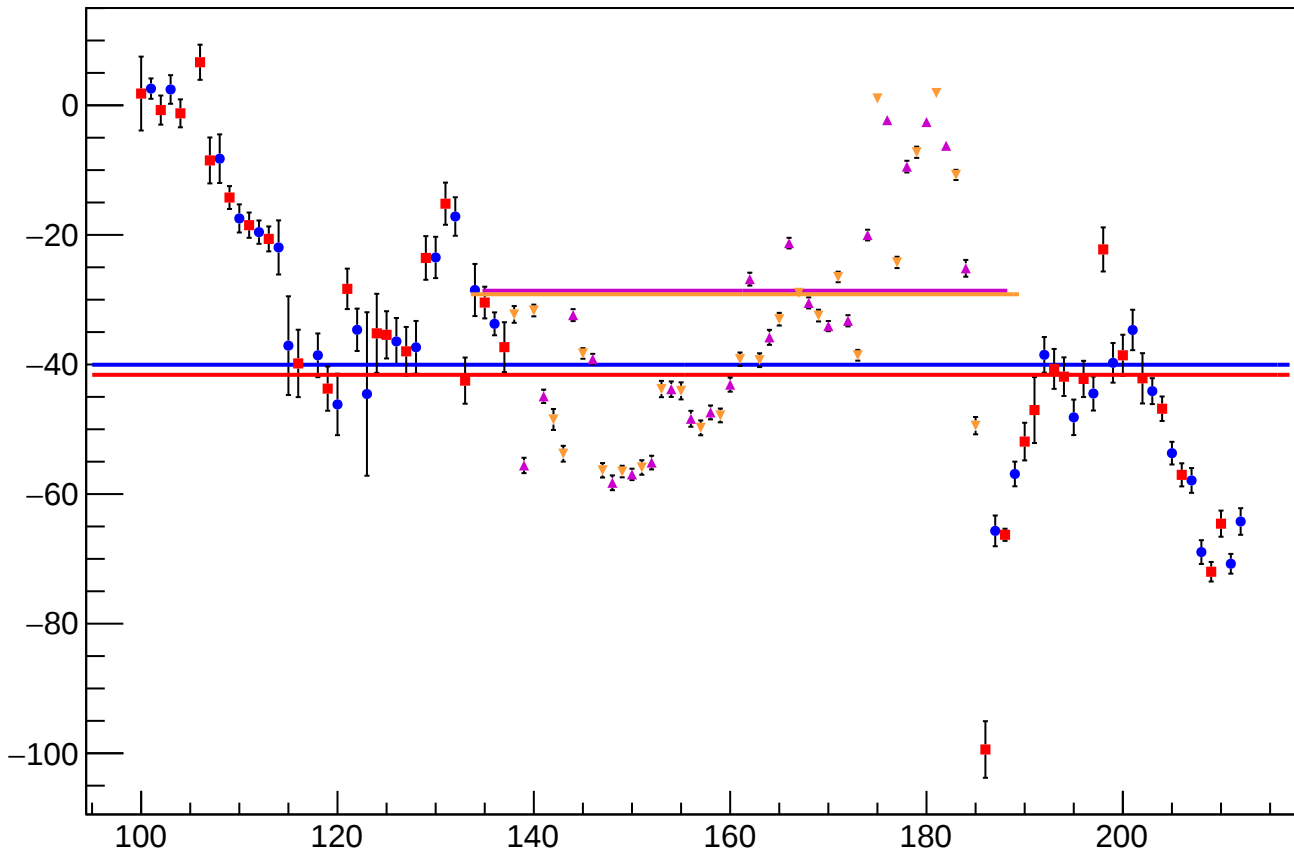
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF: 2672.9/22

+ sign 35.150 $\pm$ 0.136 χ^2 /NDF: 5487.7/54

All: 35.272 $\pm$ 0.097 χ^2 /NDF: 10389.7/110

- sign 35.400 $\pm$ 0.139 χ^2 /NDF: 4900.3/55

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -40.040 ± 0.442 χ^2/NDF : 2700.4/29

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -41.595 ± 0.421 χ^2/NDF : 3318.5/32

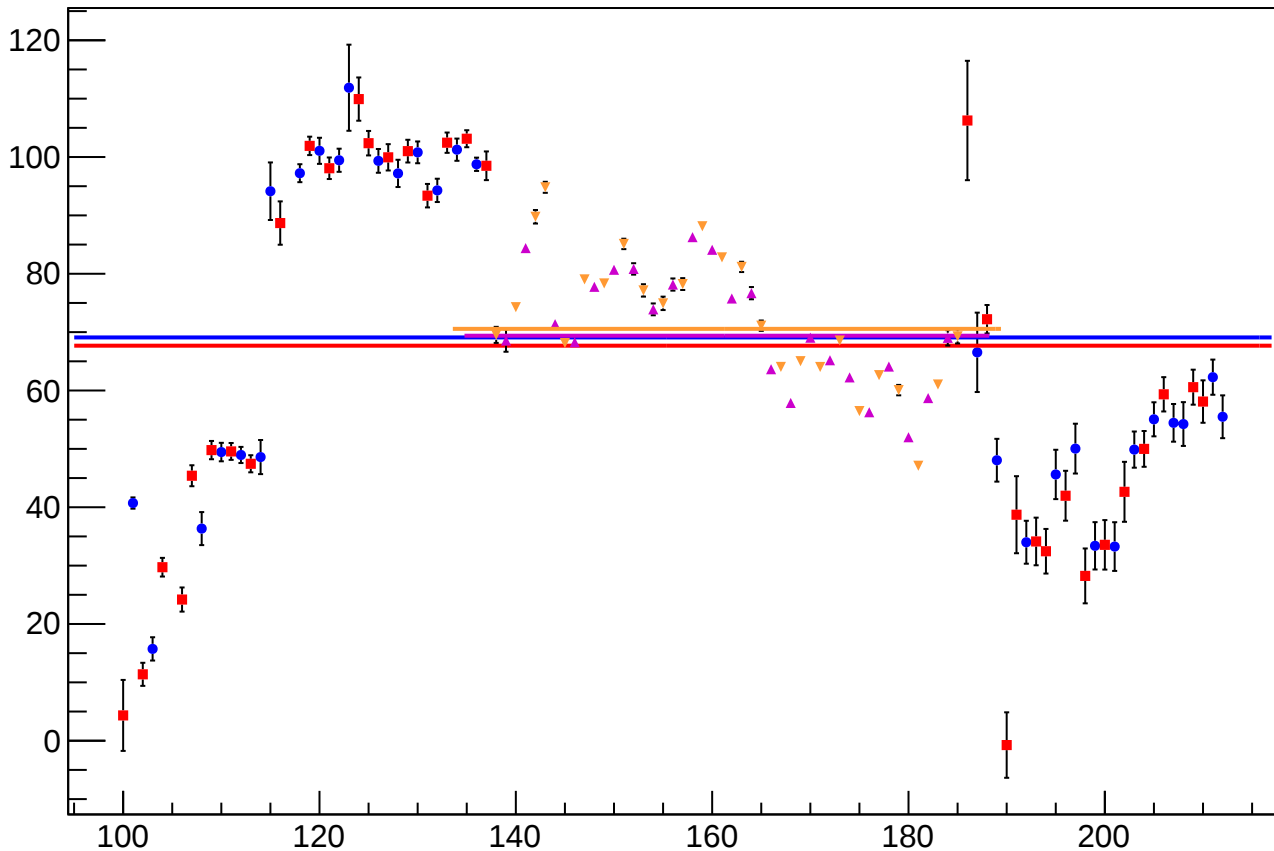
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -30.817 ± 0.172 χ^2/NDF : 13340.8/54

All: -30.813 ± 0.122 χ^2/NDF : 26489.6/110

- sign -30.808 ± 0.173 χ^2/NDF : 13148.9/55

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 69.092 $\pm$ 0.395 χ^2/NDF : 5179.1/29

Left Out: 70.563 $\pm$ 0.166 χ^2/NDF : 4589.1/24

Right Out: 67.678 $\pm$ 0.399 χ^2/NDF : 6133.2/32

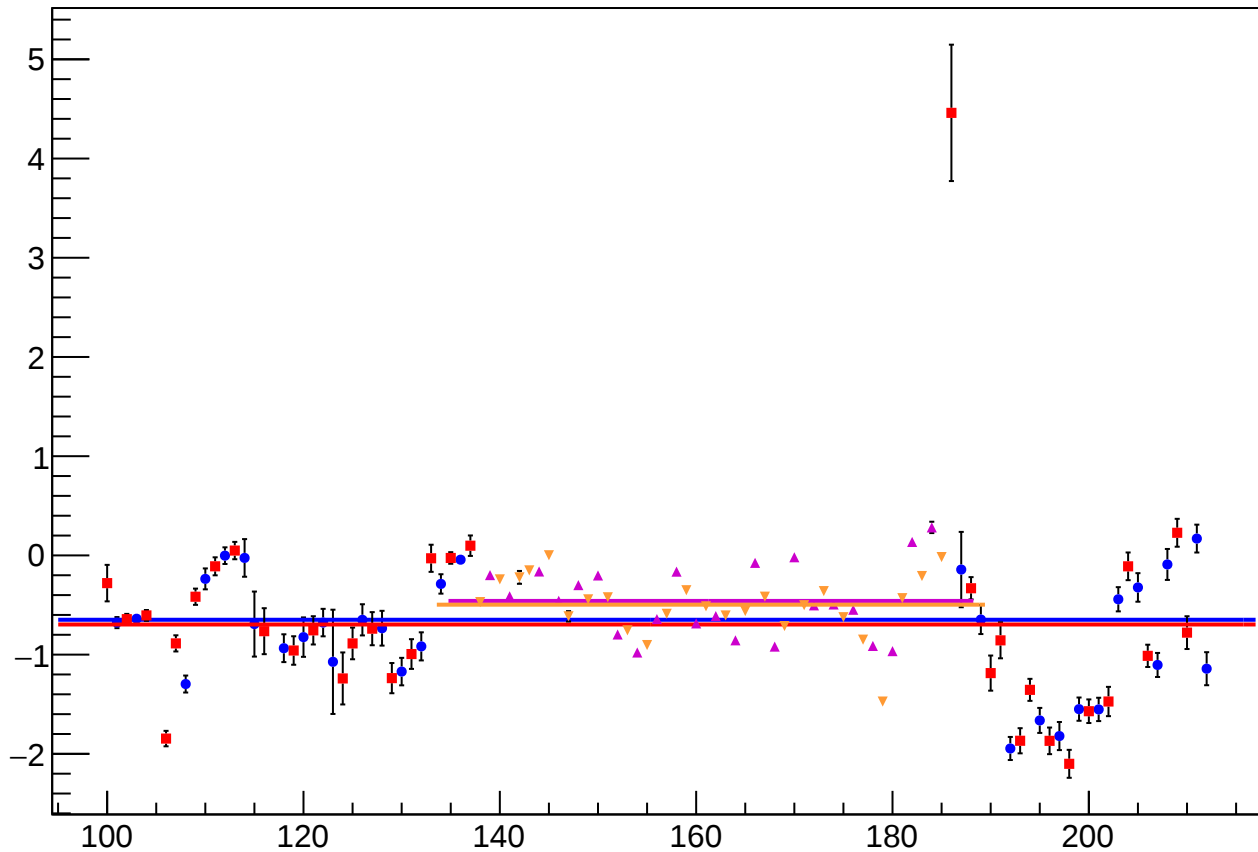
Left In: 69.387 $\pm$ 0.170 χ^2/NDF : 3321.8/22

+ sign 70.342 $\pm$ 0.153 χ^2/NDF : 9780.0/54

All: 69.746 $\pm$ 0.110 χ^2/NDF : 19281.5/110

- sign 69.124 $\pm$ 0.157 χ^2/NDF : 9470.6/55

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.649 ± 0.019 $\chi^2/\text{NDF}: 802.4/29$

Left Out: -0.497 ± 0.008 $\chi^2/\text{NDF}: 1449.3/24$

Right Out: -0.696 ± 0.019 $\chi^2/\text{NDF}: 1121.9/32$

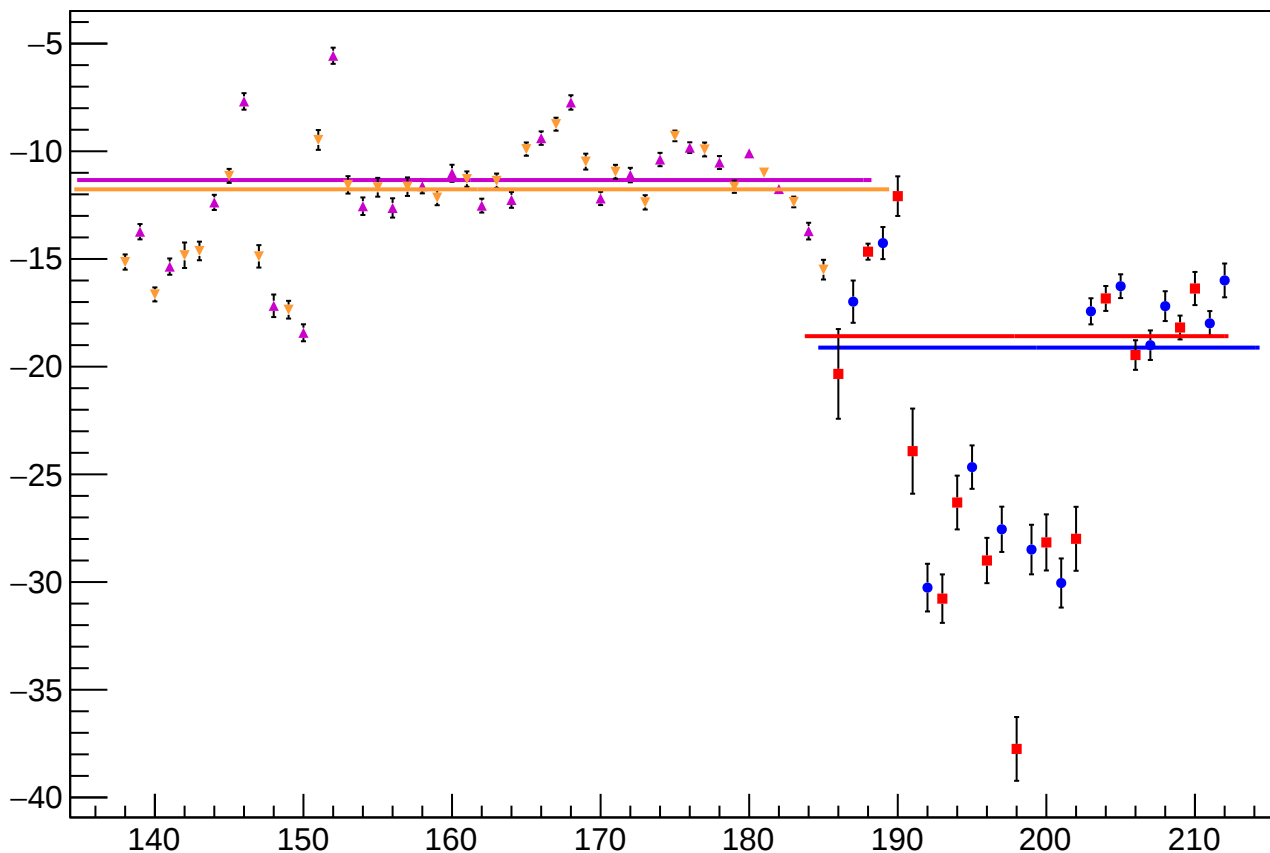
Left In: -0.459 ± 0.008 $\chi^2/\text{NDF}: 1958.4/22$

+ sign -0.517 ± 0.007 $\chi^2/\text{NDF}: 2305.6/54$

All: -0.506 ± 0.005 $\chi^2/\text{NDF}: 5530.8/110$

- sign -0.494 ± 0.007 $\chi^2/\text{NDF}: 3219.9/55$

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -19.115 ± 0.213 χ^2/NDF : 463.3/12

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -18.585 ± 0.210 χ^2/NDF : 703.9/13

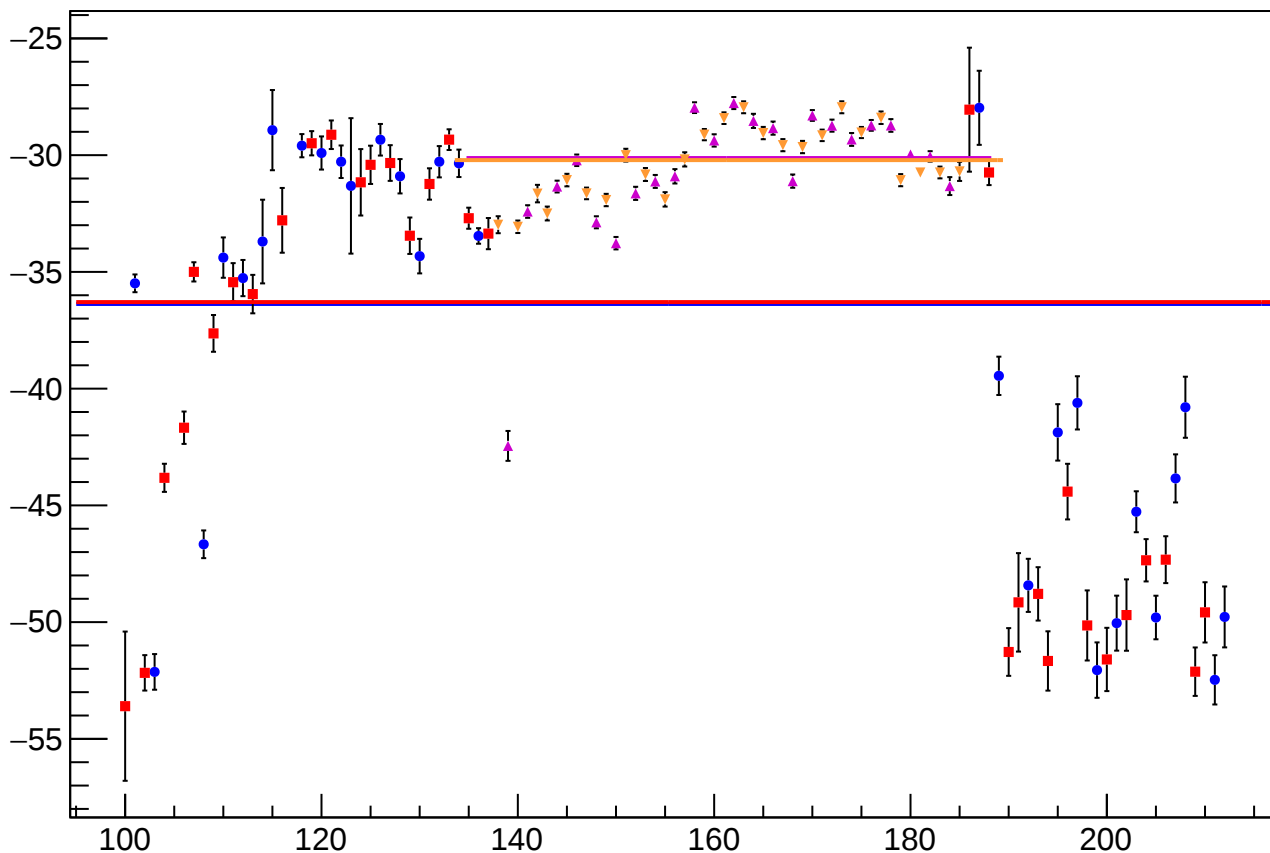
Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -12.421 ± 0.064 χ^2/NDF : 2565.7/37

All: -12.228 ± 0.045 χ^2/NDF : 5640.6/74

- sign -12.027 ± 0.065 χ^2/NDF : 3056.1/36

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.373 ± 0.136 χ^2/NDF : 2755.2/29

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -36.293 ± 0.134 χ^2/NDF : 3116.0/32

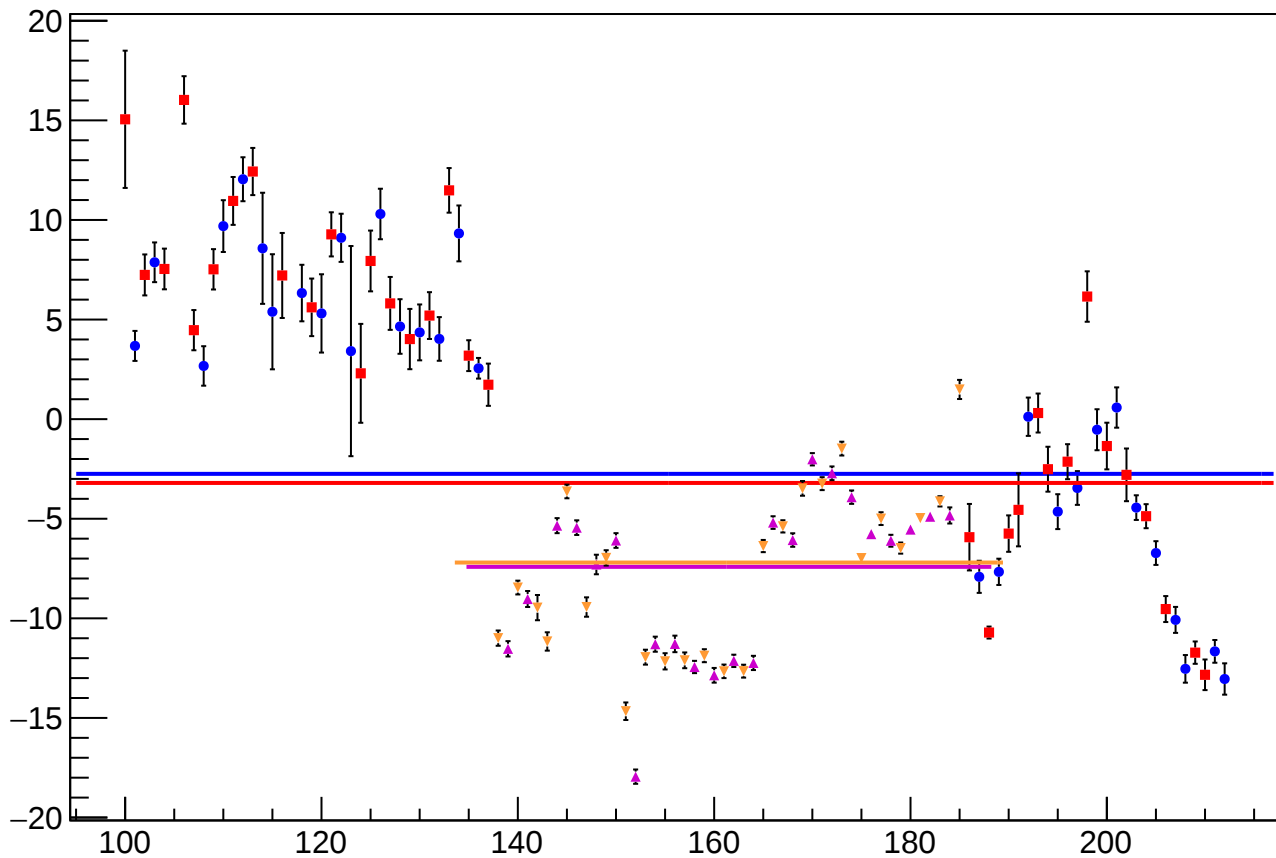
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -31.050 ± 0.050 χ^2/NDF : 5269.7/54

All: -31.040 ± 0.036 χ^2/NDF : 11425.5/110

- sign -31.030 ± 0.051 χ^2/NDF : 6155.7/55

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -2.747 ± 0.163 χ^2/NDF : 1963.9/29

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -3.203 ± 0.156 χ^2/NDF : 2811.5/32

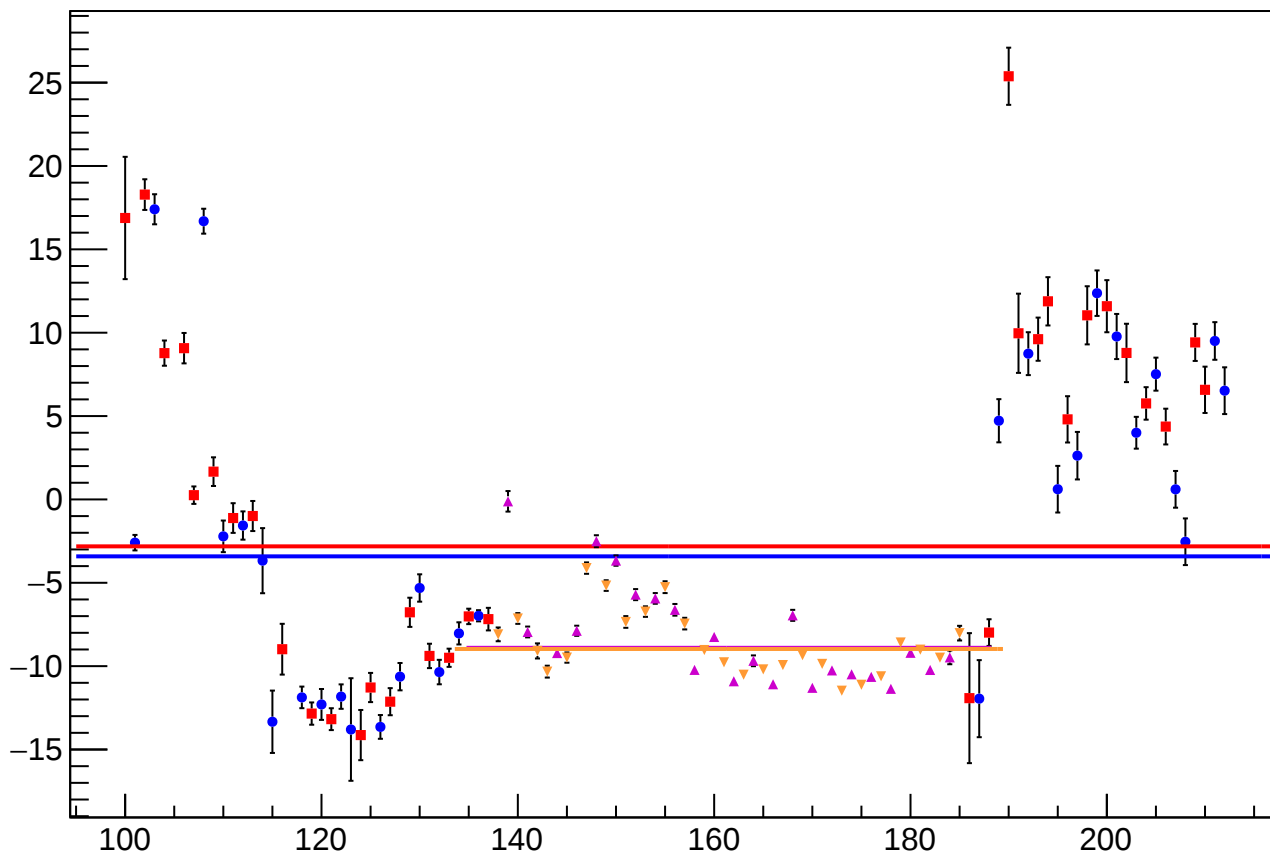
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.556 ± 0.062 χ^2/NDF : 5641.1/54

All: -6.649 ± 0.044 χ^2/NDF : 12195.0/110

- sign -6.743 ± 0.062 χ^2/NDF : 6549.4/55

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.415 ± 0.154 χ^2/NDF : 3013.3/29

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -2.815 ± 0.155 χ^2/NDF : 3230.5/32

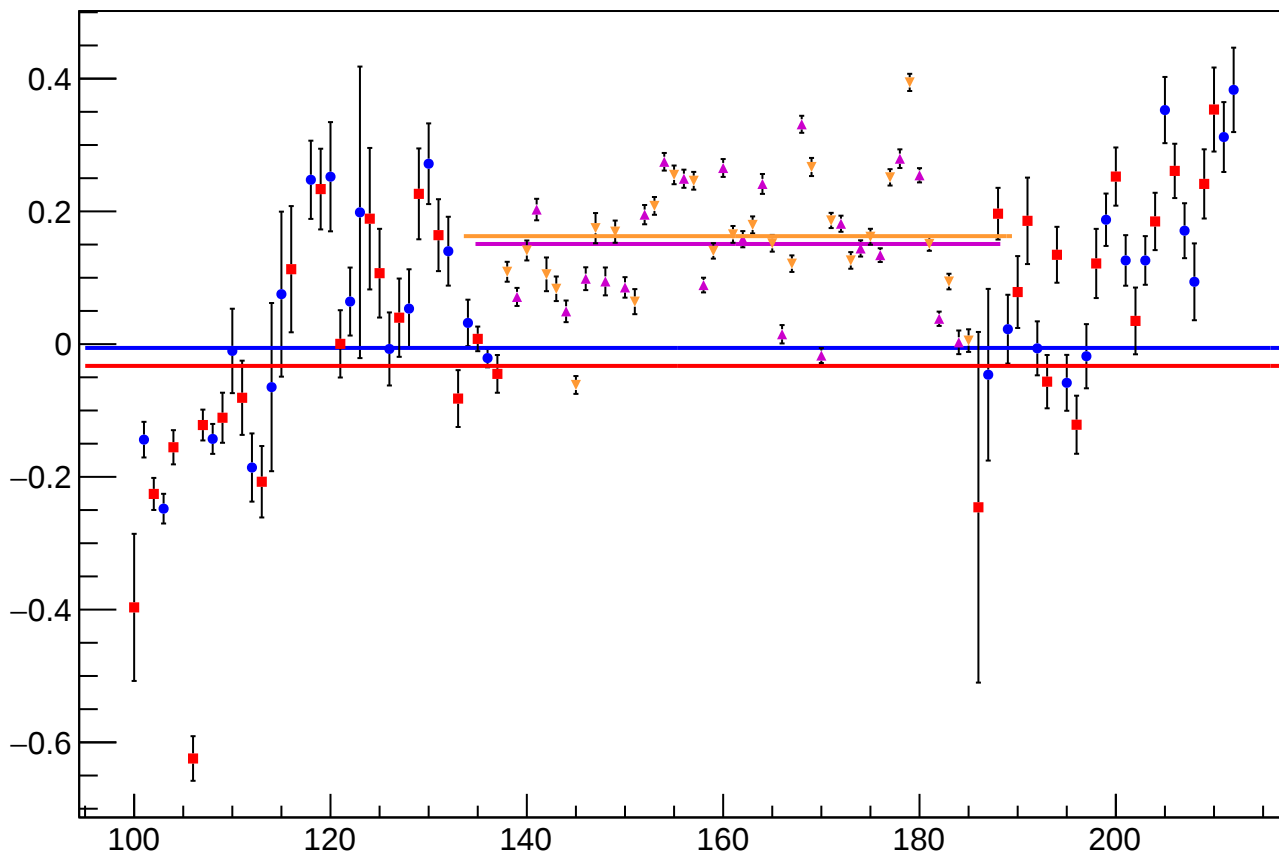
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.231 ± 0.056 χ^2/NDF : 5026.4/54

All: -8.154 ± 0.040 χ^2/NDF : 11119.5/110

- sign -8.073 ± 0.057 χ^2/NDF : 6089.2/55

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.007 χ^2/NDF : 454.3/29

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.033 ± 0.007 χ^2/NDF : 769.1/32

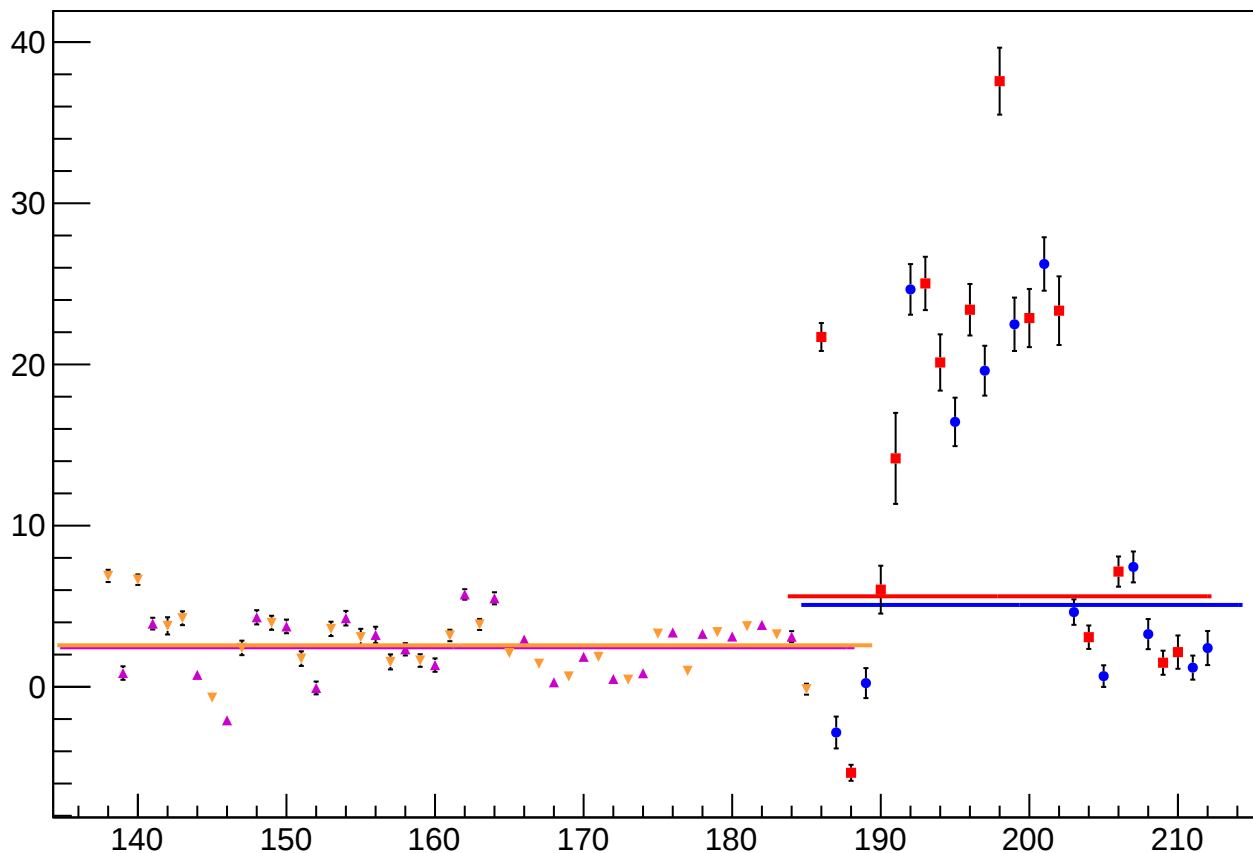
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.141 ± 0.003 χ^2/NDF : 1969.4/54

All: 0.134 ± 0.002 χ^2/NDF : 4626.3/110

- sign 0.127 ± 0.003 χ^2/NDF : 2641.4/55

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 5.080 ± 0.278 χ^2/NDF : 752.1/12

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 5.616 ± 0.272 χ^2/NDF : 1624.8/13

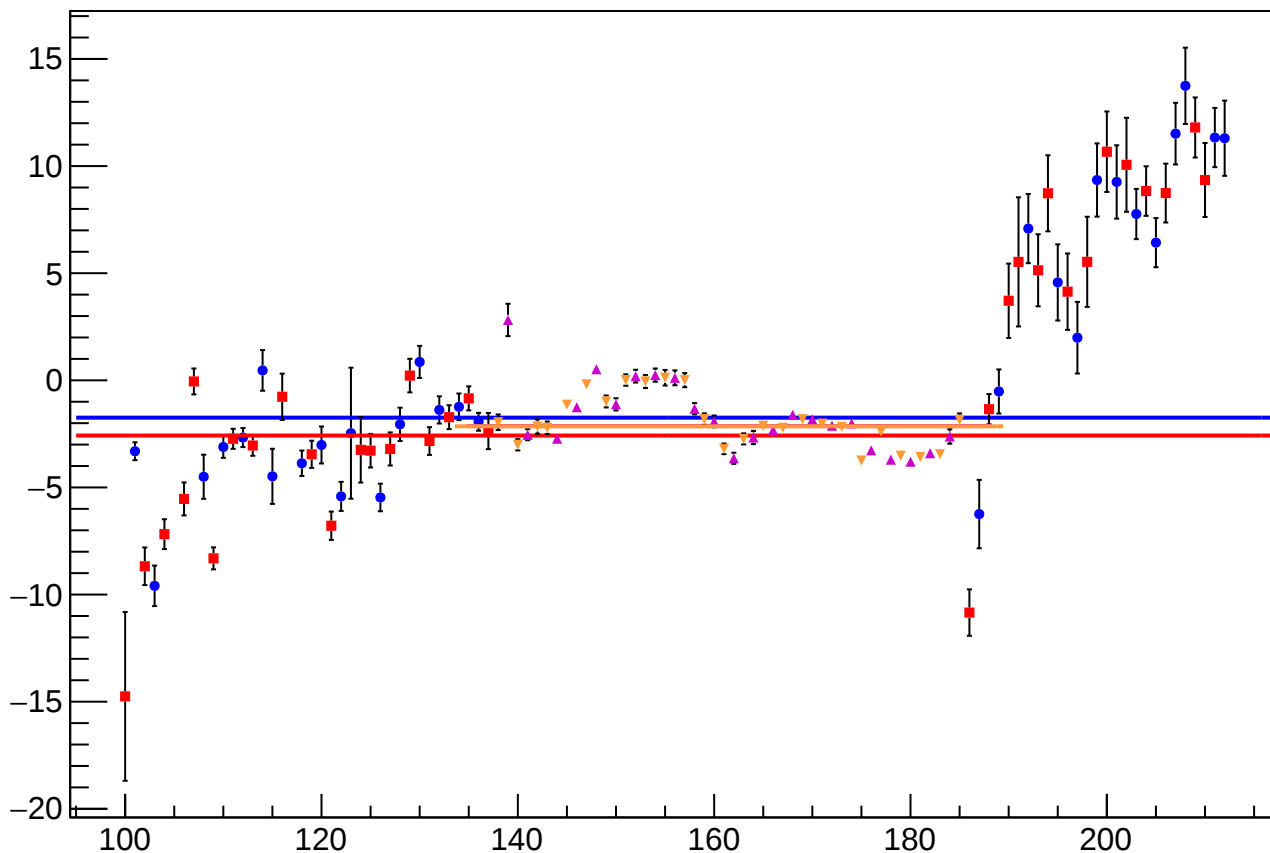
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.682 ± 0.057 χ^2/NDF : 1697.1/37

All: 2.640 ± 0.041 χ^2/NDF : 4323.9/74

- sign 2.597 ± 0.058 χ^2/NDF : 2625.6/36

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.742 ± 0.145 χ^2/NDF : 764.9/29

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -2.577 ± 0.143 χ^2/NDF : 904.1/32

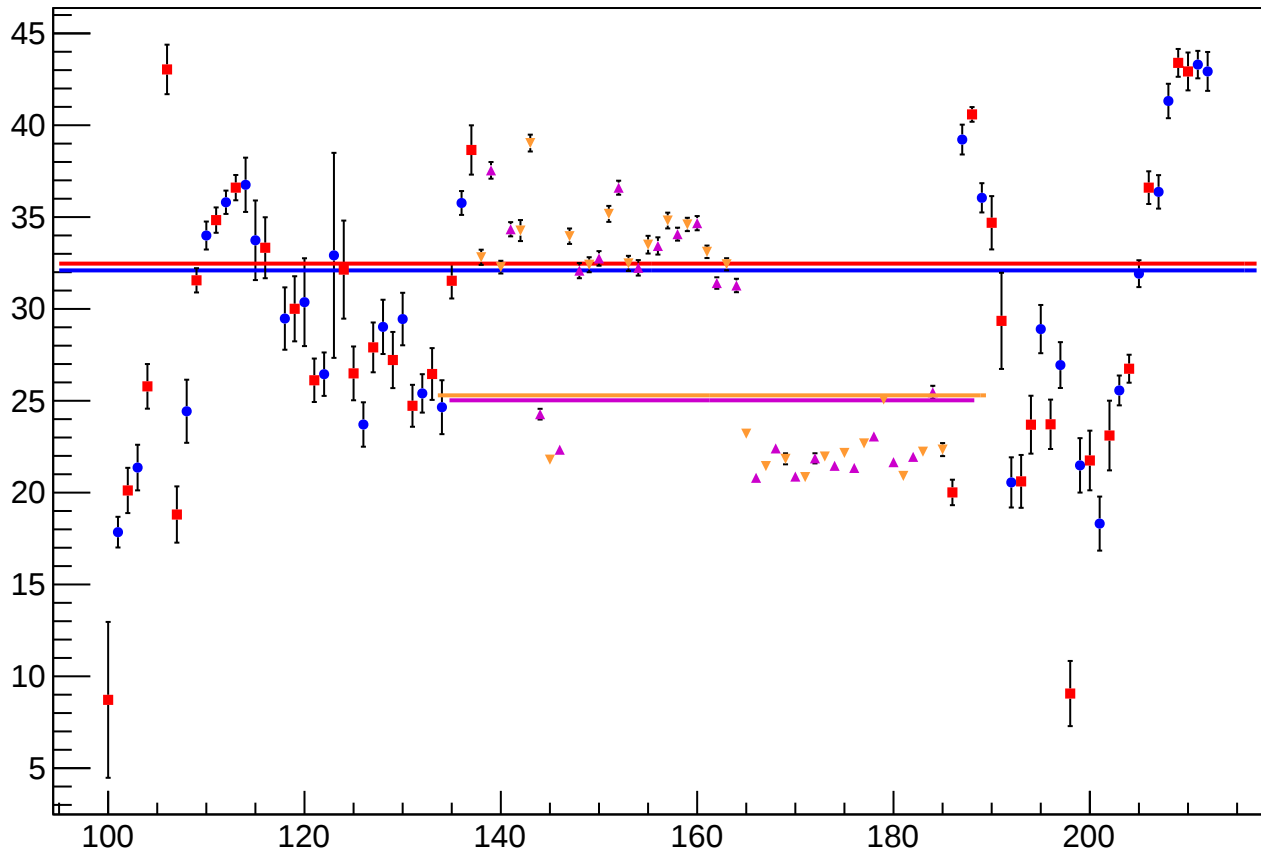
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.106 ± 0.045 χ^2/NDF : 1345.3/54

All: -2.143 ± 0.032 χ^2/NDF : 2950.5/110

- sign -2.182 ± 0.046 χ^2/NDF : 1603.9/55

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 32.097 ± 0.189 χ^2/NDF : 1464.6/29

Left Out: 25.296 ± 0.059 χ^2/NDF : 8272.3/24

Right Out: 32.467 ± 0.177 χ^2/NDF : 2020.9/32

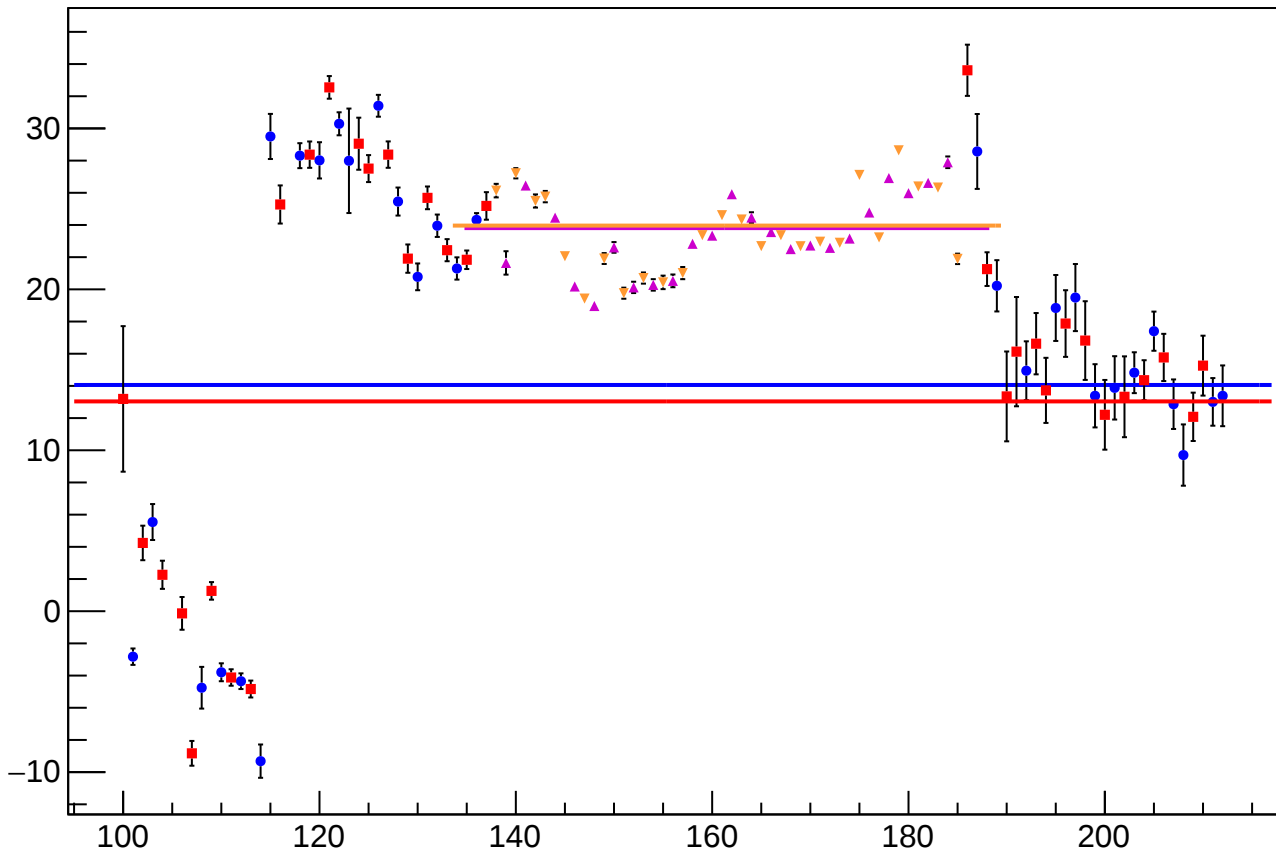
Left In: 25.025 ± 0.060 χ^2/NDF : 7610.5/22

+ sign 25.899 ± 0.056 χ^2/NDF : 10922.3/54

All: 25.840 ± 0.040 χ^2/NDF : 22137.2/110

- sign 25.780 ± 0.057 χ^2/NDF : 11212.7/55

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.058 $\pm$ 0.162 χ^2 /NDF: 7357.4/29

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 13.037 $\pm$ 0.163 χ^2 /NDF: 7214.1/32

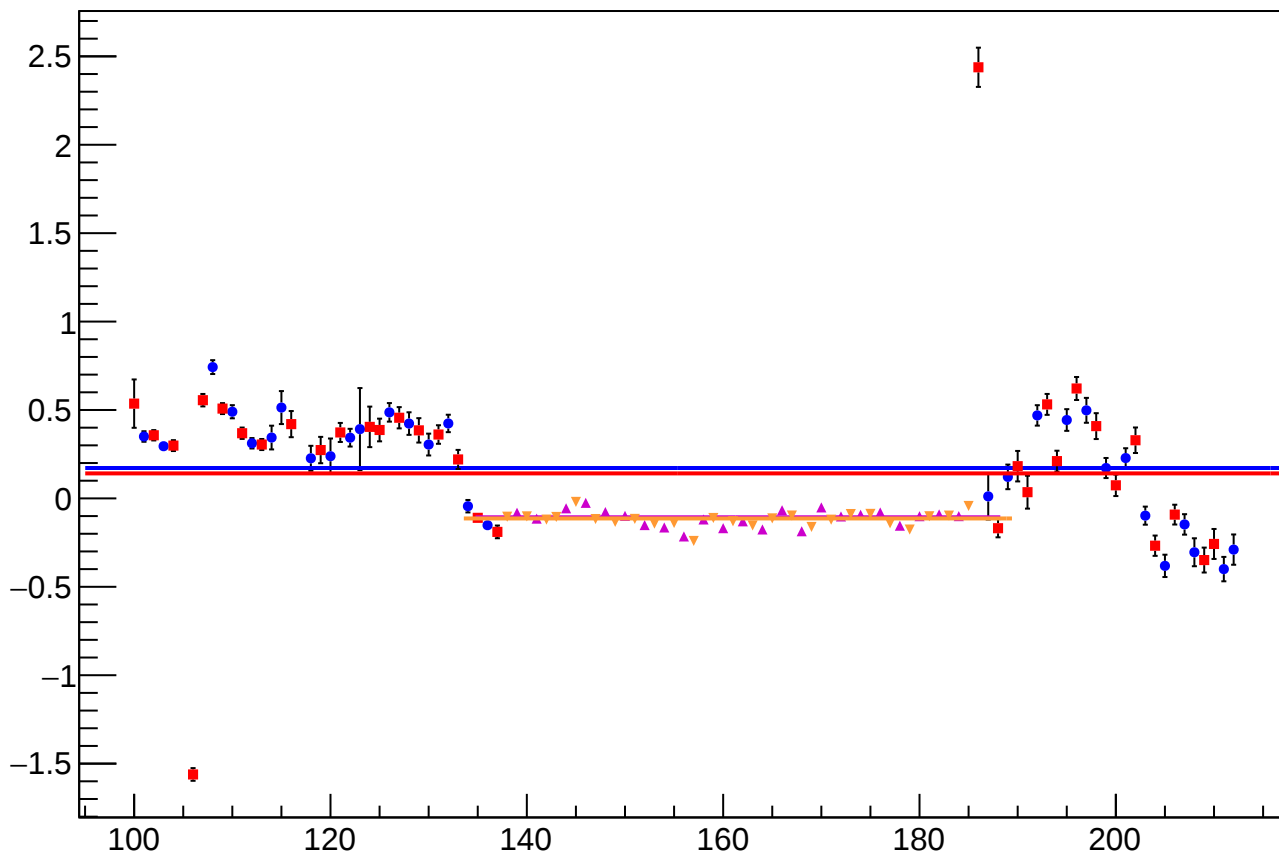
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.002 $\pm$ 0.051 χ^2 /NDF: 12645.5/54

All: 22.872 $\pm$ 0.036 χ^2 /NDF: 25571.8/110

- sign 22.737 $\pm$ 0.051 χ^2 /NDF: 12912.8/55

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.172 ± 0.008 χ^2/NDF : 1198.3/29

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.141 ± 0.008 χ^2/NDF : 3739.3/32

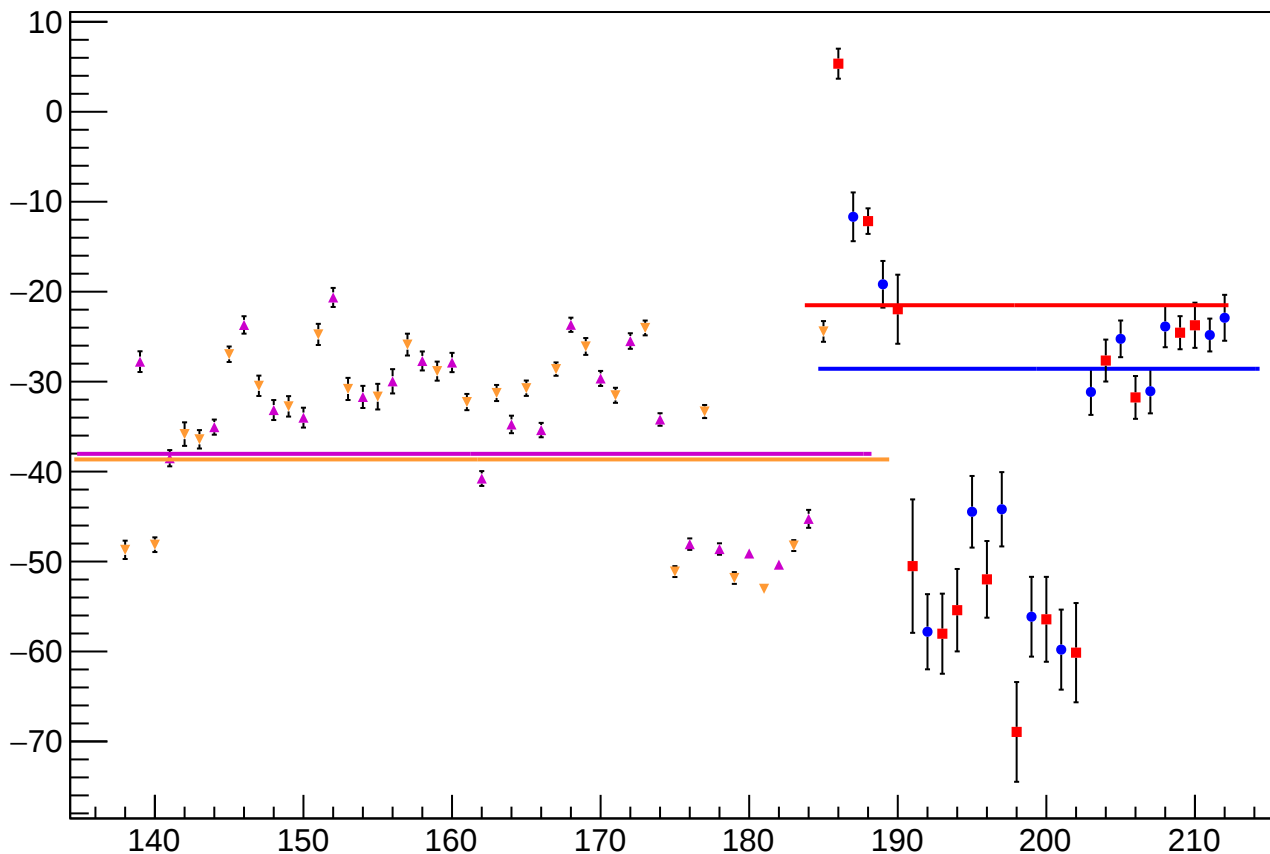
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.091 ± 0.002 χ^2/NDF : 2575.0/54

All: -0.089 ± 0.002 χ^2/NDF : 7479.5/110

- sign -0.086 ± 0.002 χ^2/NDF : 4902.2/55

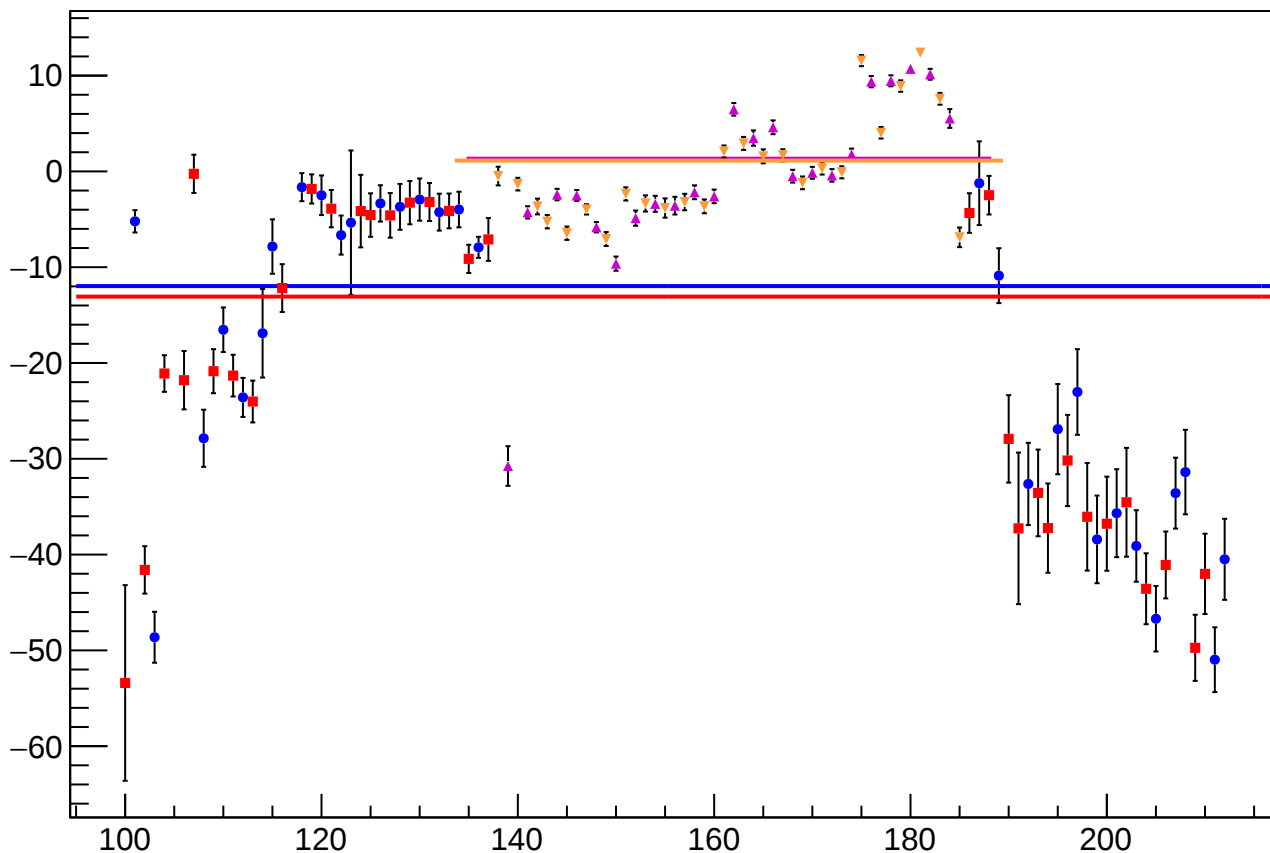
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -28.571 ± 0.752 $\chi^2/\text{NDF}: 237.0/12$
 Left Out: -38.650 ± 0.169 $\chi^2/\text{NDF}: 4077.2/24$
 Right Out: -21.507 ± 0.704 $\chi^2/\text{NDF}: 696.5/13$
 Left In: -38.027 ± 0.173 $\chi^2/\text{NDF}: 3091.9/22$

+ sign -38.165 ± 0.165 $\chi^2/\text{NDF}: 4485.1/37$
 All: -37.635 ± 0.118 $\chi^2/\text{NDF}: 8814.0/74$
 - sign -37.084 ± 0.168 $\chi^2/\text{NDF}: 4307.8/36$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -11.973 ± 0.429 χ^2/NDF : 961.4/29

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -13.070 ± 0.438 χ^2/NDF : 931.7/32

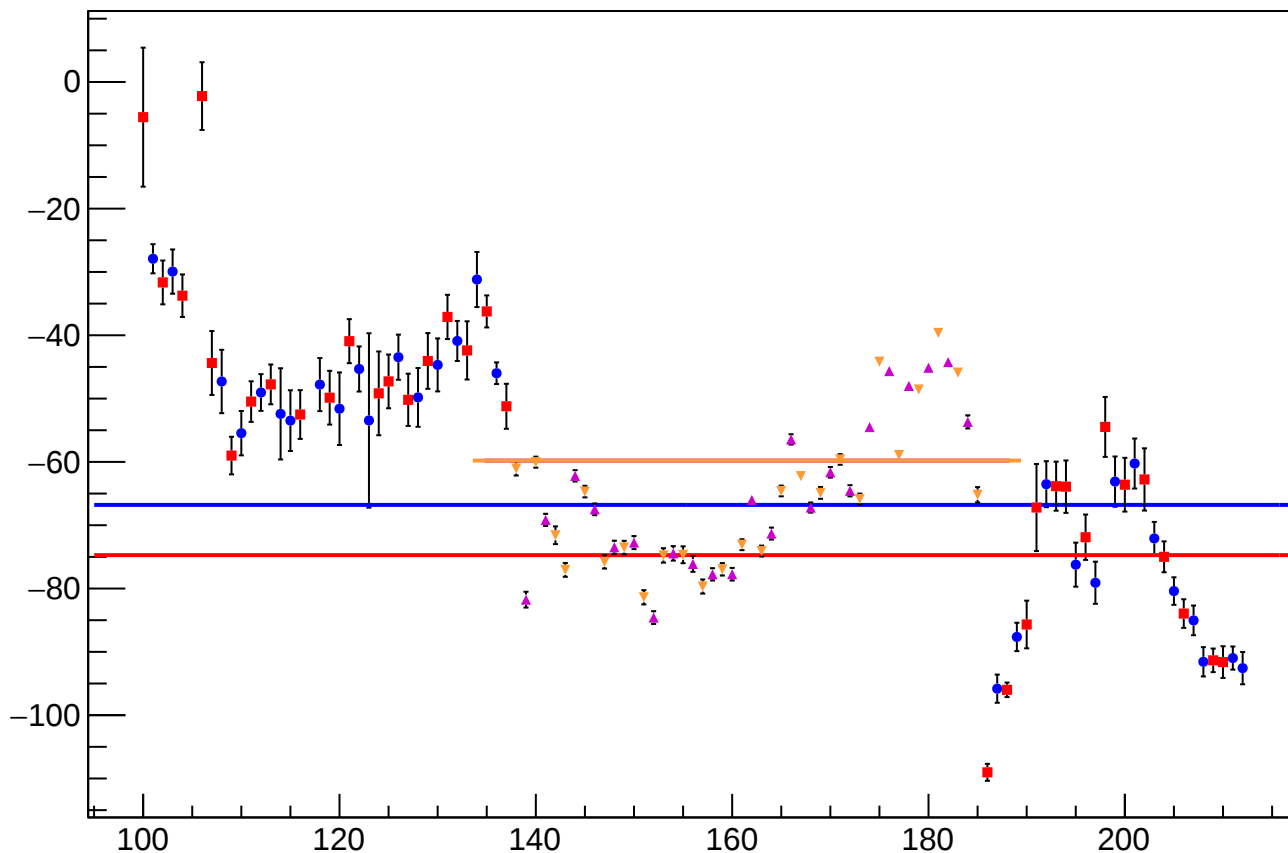
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign -0.067 ± 0.130 χ^2/NDF : 3608.9/54

All: -0.037 ± 0.093 χ^2/NDF : 7570.8/110

- sign -0.004 ± 0.133 χ^2/NDF : 3961.7/55

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -66.789 ± 0.544 $\chi^2/\text{NDF}: 1679.9/29$

Left Out: -59.789 ± 0.170 $\chi^2/\text{NDF}: 5837.7/24$

Right Out: -74.725 ± 0.507 $\chi^2/\text{NDF}: 2665.5/32$

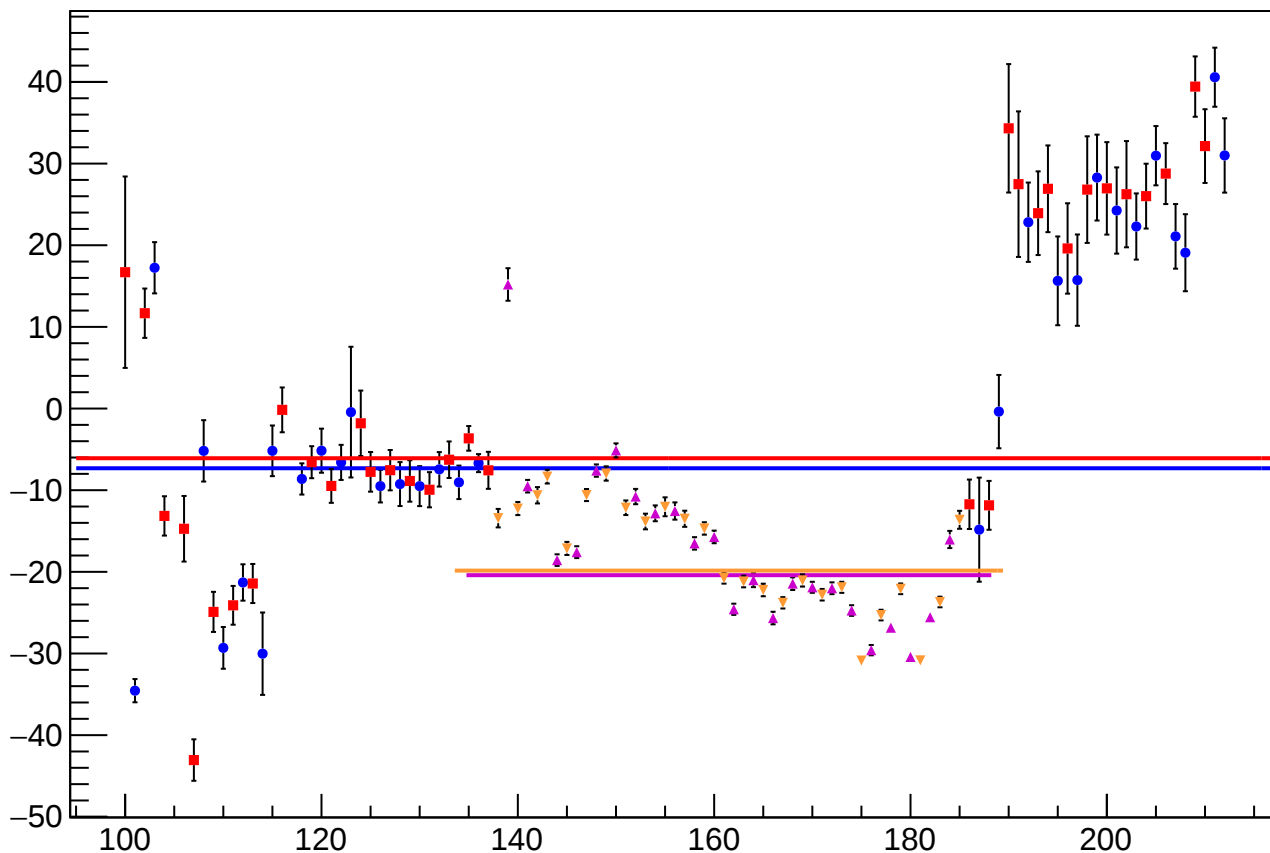
Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

+ sign -60.412 ± 0.162 $\chi^2/\text{NDF}: 7668.5/54$

All: -60.884 ± 0.115 $\chi^2/\text{NDF}: 16344.8/110$

- sign -61.364 ± 0.164 $\chi^2/\text{NDF}: 8659.3/55$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -7.313 ± 0.484 $\chi^2/\text{NDF}: 1220.4/29$

Left Out: -19.847 ± 0.153 $\chi^2/\text{NDF}: 1931.3/24$

Right Out: -6.085 ± 0.504 $\chi^2/\text{NDF}: 1040.2/32$

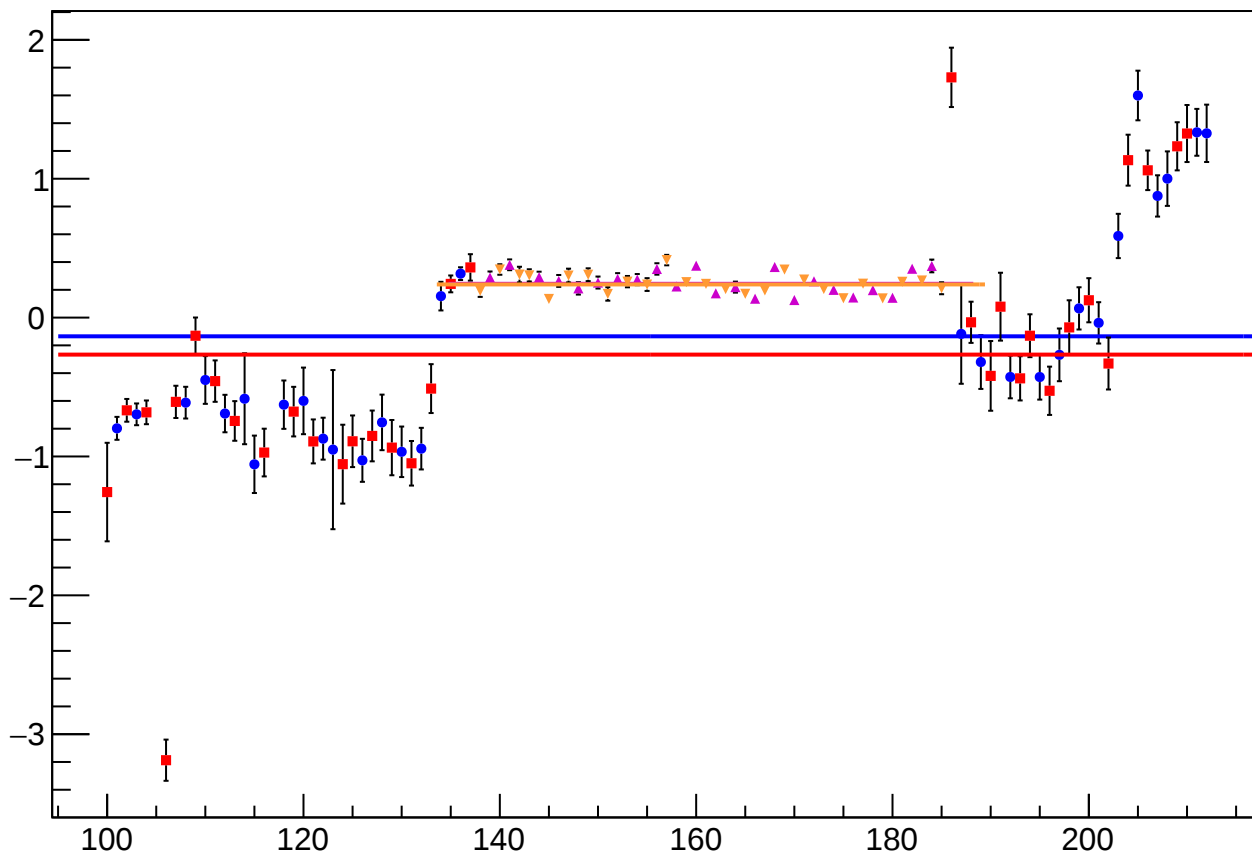
Left In: -20.410 ± 0.157 $\chi^2/\text{NDF}: 2302.0/22$

+ sign -18.712 ± 0.146 $\chi^2/\text{NDF}: 3761.7/54$

All: -18.923 ± 0.104 $\chi^2/\text{NDF}: 7845.9/110$

- sign -19.146 ± 0.150 $\chi^2/\text{NDF}: 4079.8/55$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.135±/0.024 χ^2/NDF : 740.8/29

Left Out: 0.239±/0.007 χ^2/NDF : 93.0/24

Right Out: -0.267±/0.025 χ^2/NDF : 1067.2/32

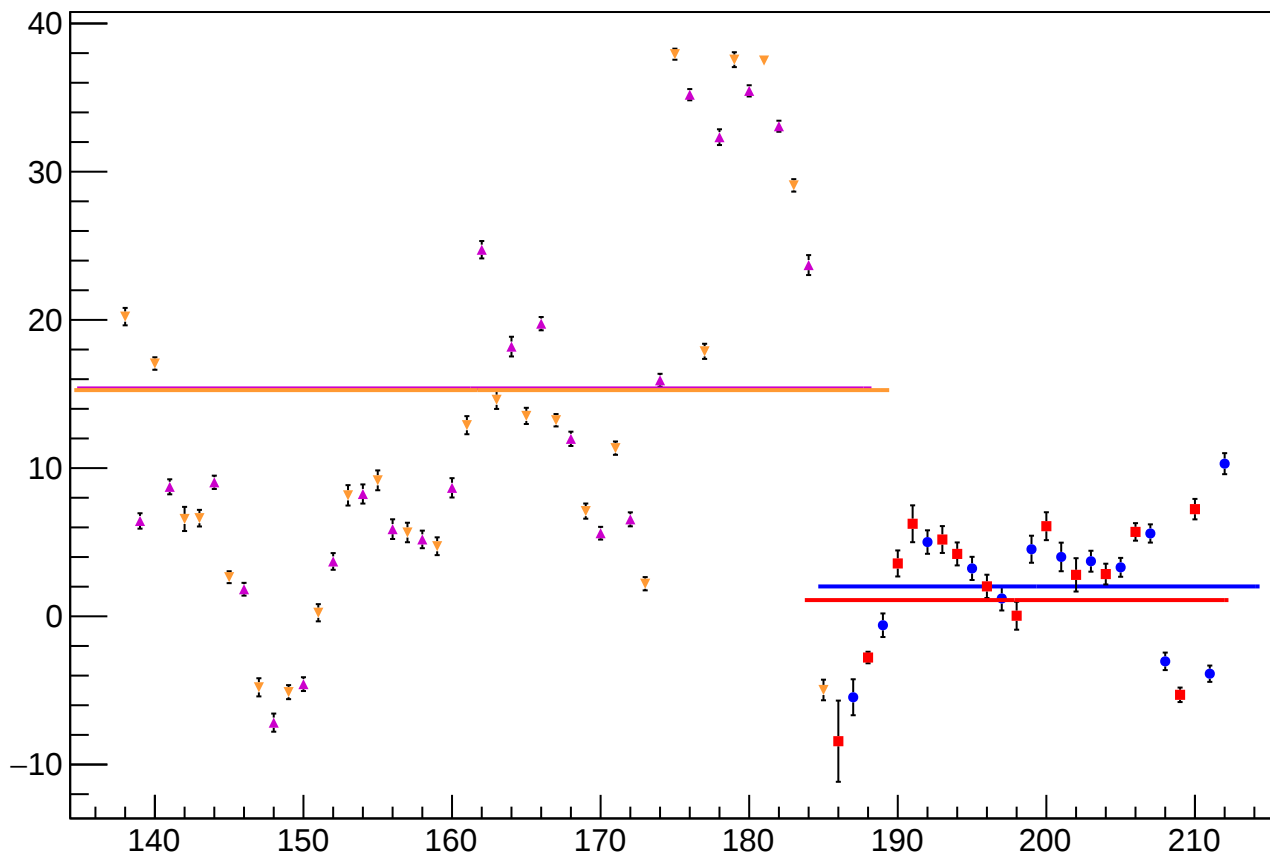
Left In: 0.243±/0.007 χ^2/NDF : 138.3/22

+ sign 0.209±/0.007 χ^2/NDF : 1058.1/54

All: 0.206±/0.005 χ^2/NDF : 2662.8/110

- sign 0.203±/0.007 χ^2/NDF : 1604.2/55

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.016 $\pm$ 0.202 χ^2 /NDF: 446.2/12

Left Out: 15.263 $\pm$ 0.100 χ^2 /NDF:19175.2/24

Right Out: 1.095 $\pm$ 0.191 χ^2 /NDF: 522.8/13

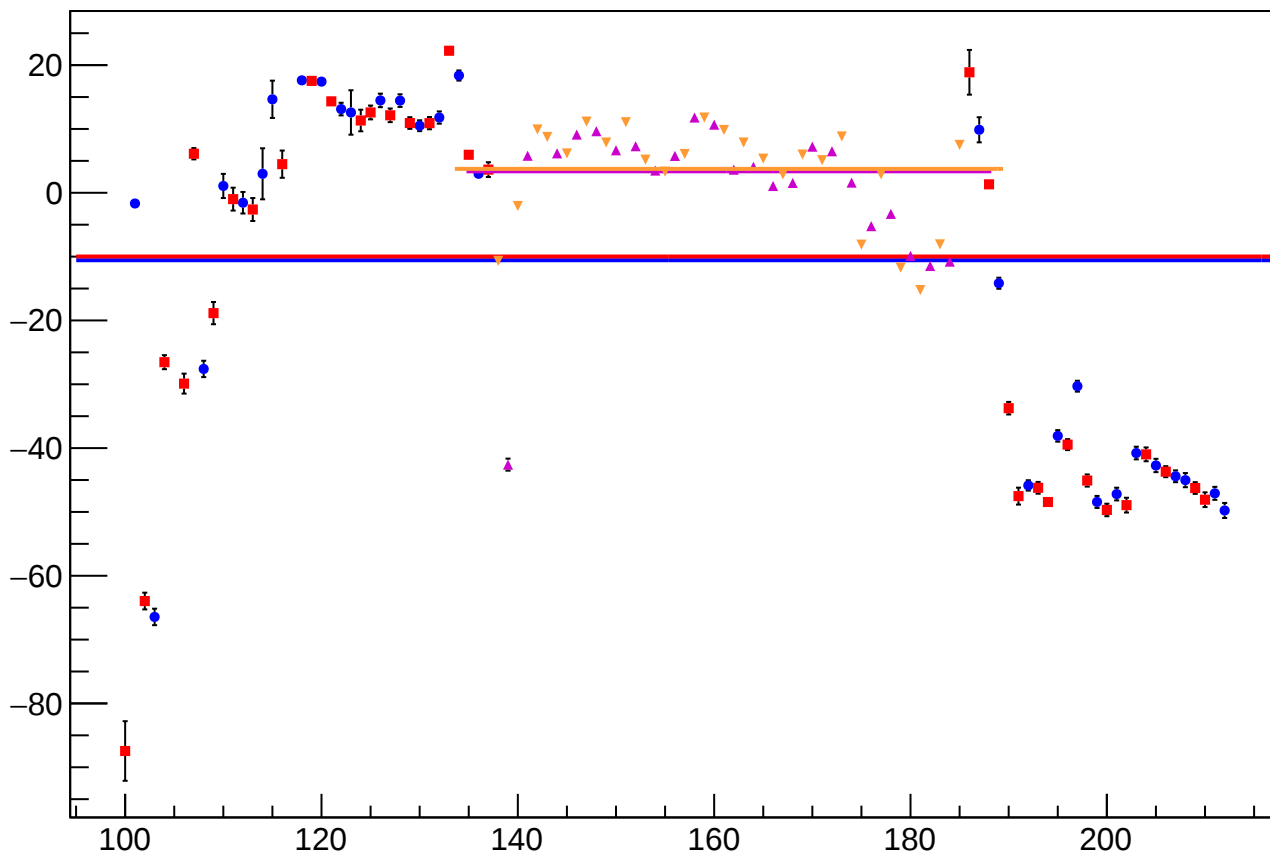
Left In: 15.377 $\pm$ 0.103 χ^2 /NDF:16268.9/22

+ sign 12.629 $\pm$ 0.090 χ^2 /NDF: 23075.9/37

All: 12.401 $\pm$ 0.064 χ^2 /NDF: 44218.9/74

- sign 12.169 $\pm$ 0.090 χ^2 /NDF: 21130.0/36

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -10.566 ± 0.170 χ^2/NDF : 25326.2/29

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -9.985 ± 0.163 χ^2/NDF : 30304.0/32

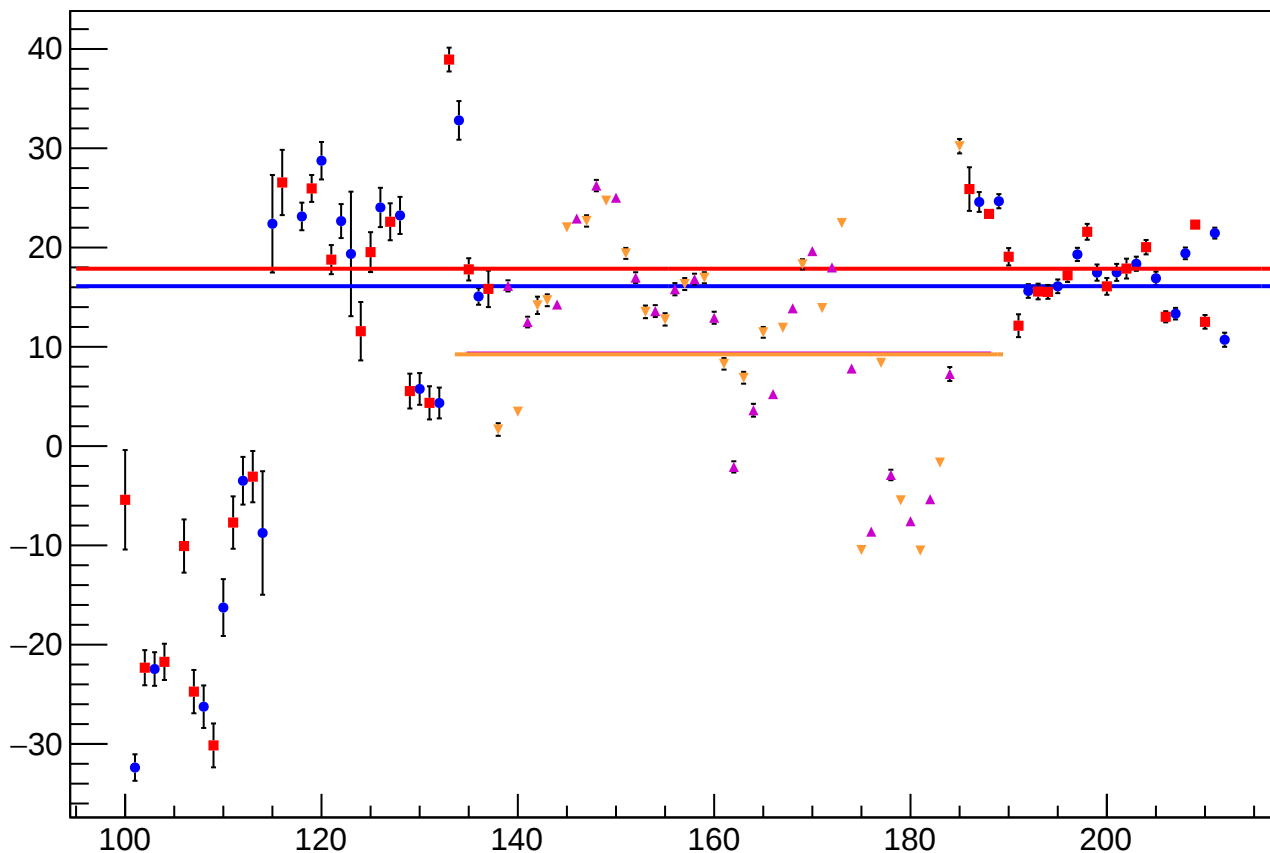
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 1.229 ± 0.071 χ^2/NDF : 40381.1/54

All: 0.968 ± 0.051 χ^2/NDF : 84635.5/110

- sign 0.698 ± 0.073 χ^2/NDF : 44227.2/55

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 16.107 $\pm$ 0.173 χ^2 /NDF: 3193.7/29

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 17.868 $\pm$ 0.160 χ^2 /NDF: 3227.0/32

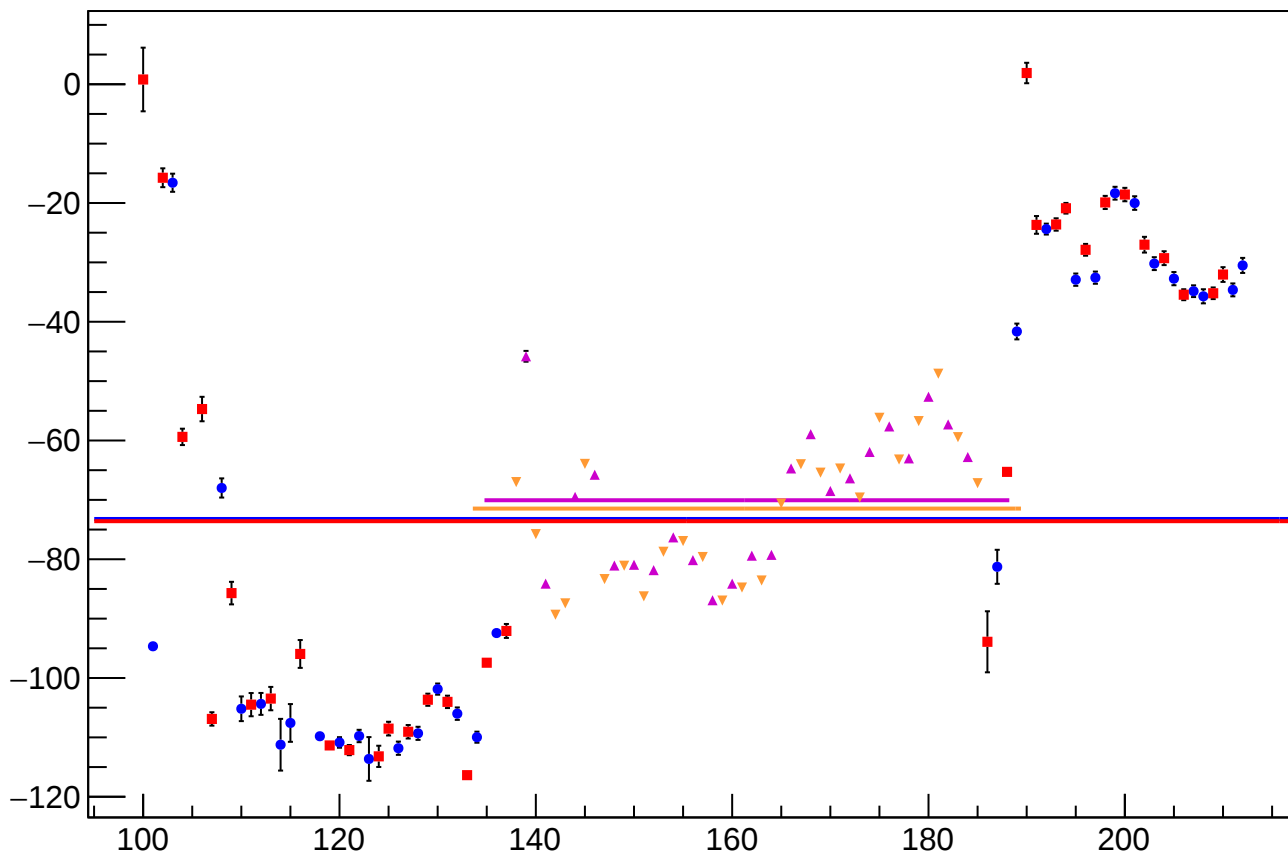
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.979 $\pm$ 0.087 χ^2 /NDF: 17997.9/54

All: 11.404 $\pm$ 0.061 χ^2 /NDF: 35263.4/110

- sign 11.820 $\pm$ 0.086 χ^2 /NDF: 17218.5/55

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -73.216 ± 0.196 χ^2/NDF : 35193.1/29

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -73.589 ± 0.190 χ^2/NDF : 42512.3/32

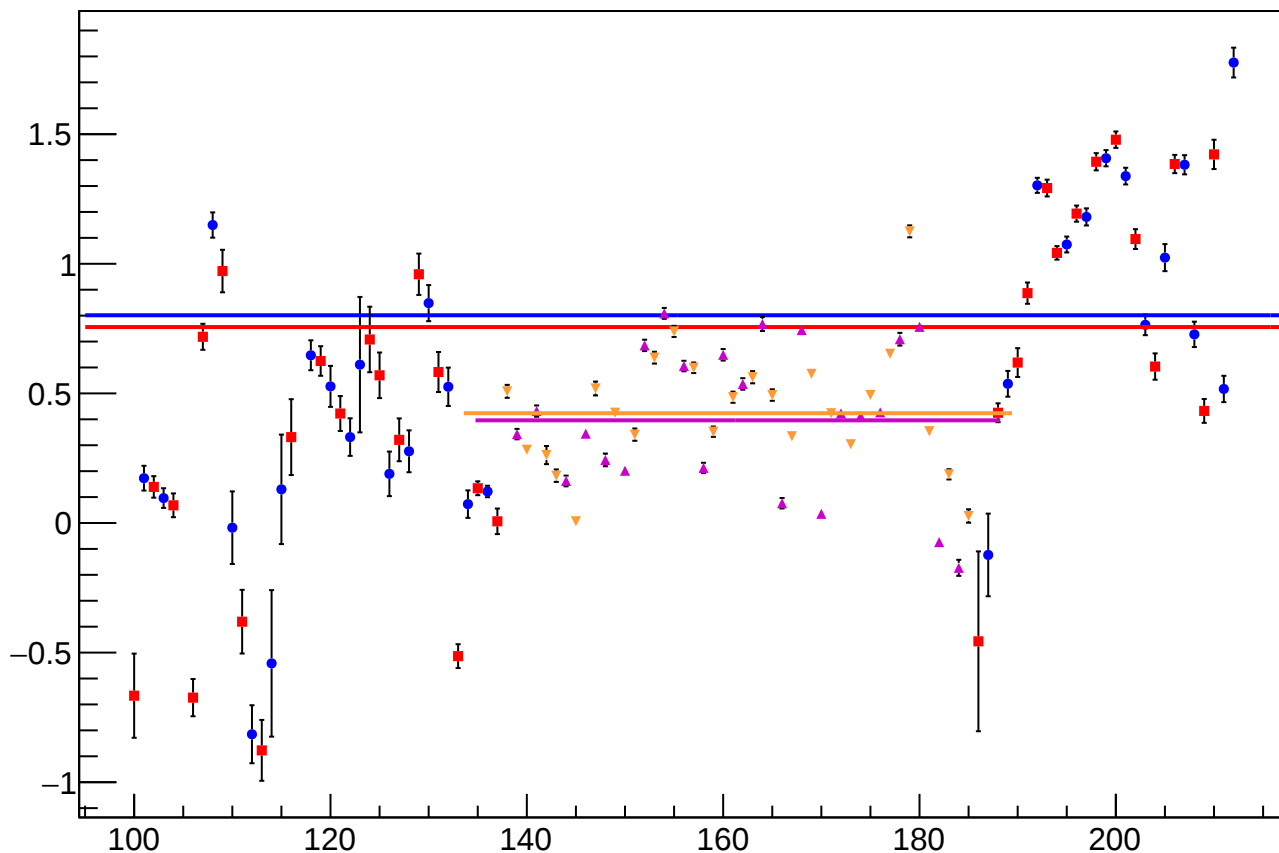
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -71.767 ± 0.081 χ^2/NDF : 51668.9/54

All: -71.256 ± 0.058 χ^2/NDF : 107599.5/110

- sign -70.727 ± 0.083 χ^2/NDF : 55850.0/55

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.801 ± 0.008 χ^2/NDF : 3957.2/29

Left Out: 0.424 ± 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.756 ± 0.008 χ^2/NDF : 5009.1/32

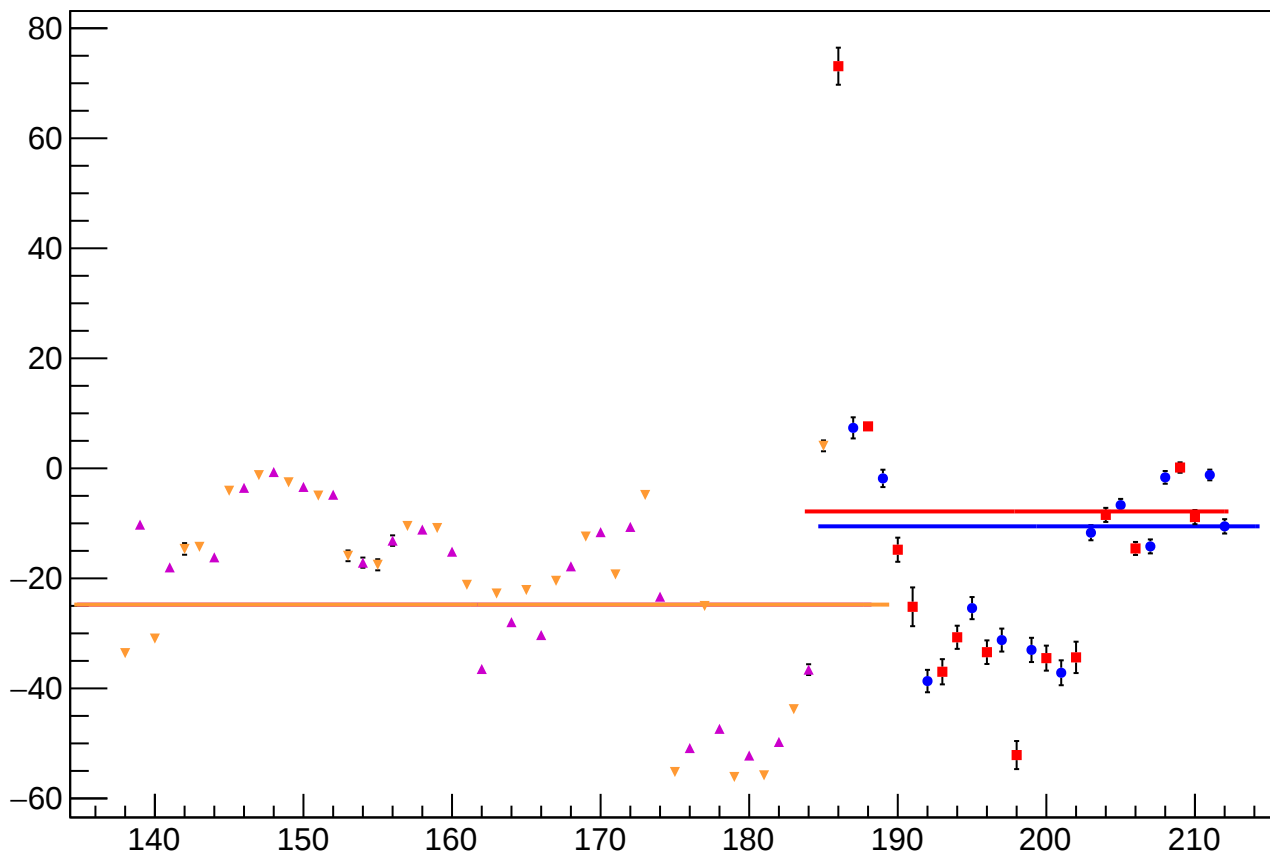
Left In: 0.396 ± 0.004 χ^2/NDF : 4051.5/22

+ sign 0.495 ± 0.004 χ^2/NDF : 8450.6/54

All: 0.483 ± 0.003 χ^2/NDF : 19088.9/110

- sign 0.471 ± 0.004 χ^2/NDF : 10617.7/55

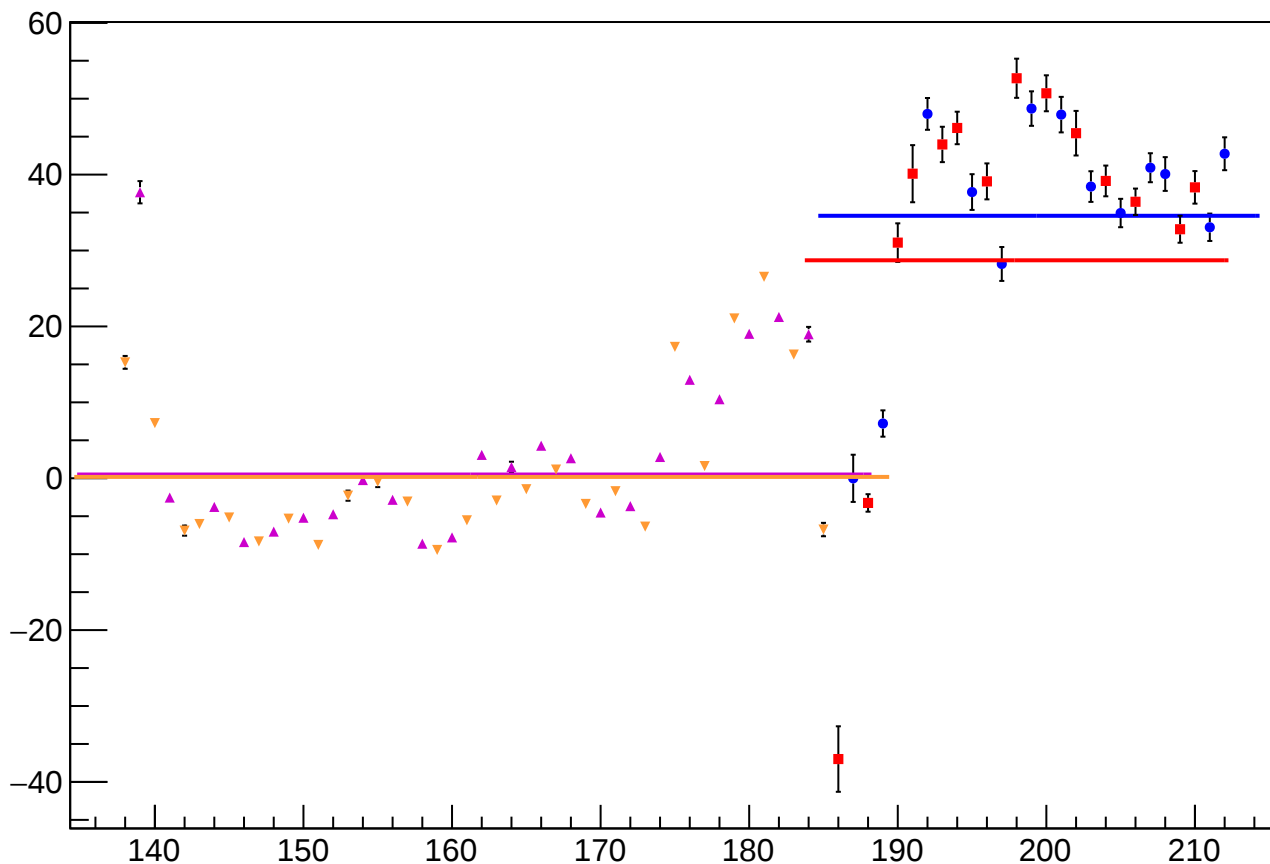
reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -10.541 ± 0.405 χ^2/NDF : 874.2/12
 Left Out: -24.769 ± 0.139 χ^2/NDF : 18318.8/24
 Right Out: -7.834 ± 0.405 χ^2/NDF : 2035.8/13
 Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -23.259 ± 0.132 χ^2/NDF : 20298.4/37
 All: -23.087 ± 0.094 χ^2/NDF : 38698.1/74
 - sign -22.906 ± 0.135 χ^2/NDF : 18396.2/36

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 34.575 ± 0.582 $\chi^2/\text{NDF}: 530.9/12$

Left Out: 0.177 ± 0.109 $\chi^2/\text{NDF}: 8295.6/24$

Right Out: 28.711 ± 0.562 $\chi^2/\text{NDF}: 1416.4/13$

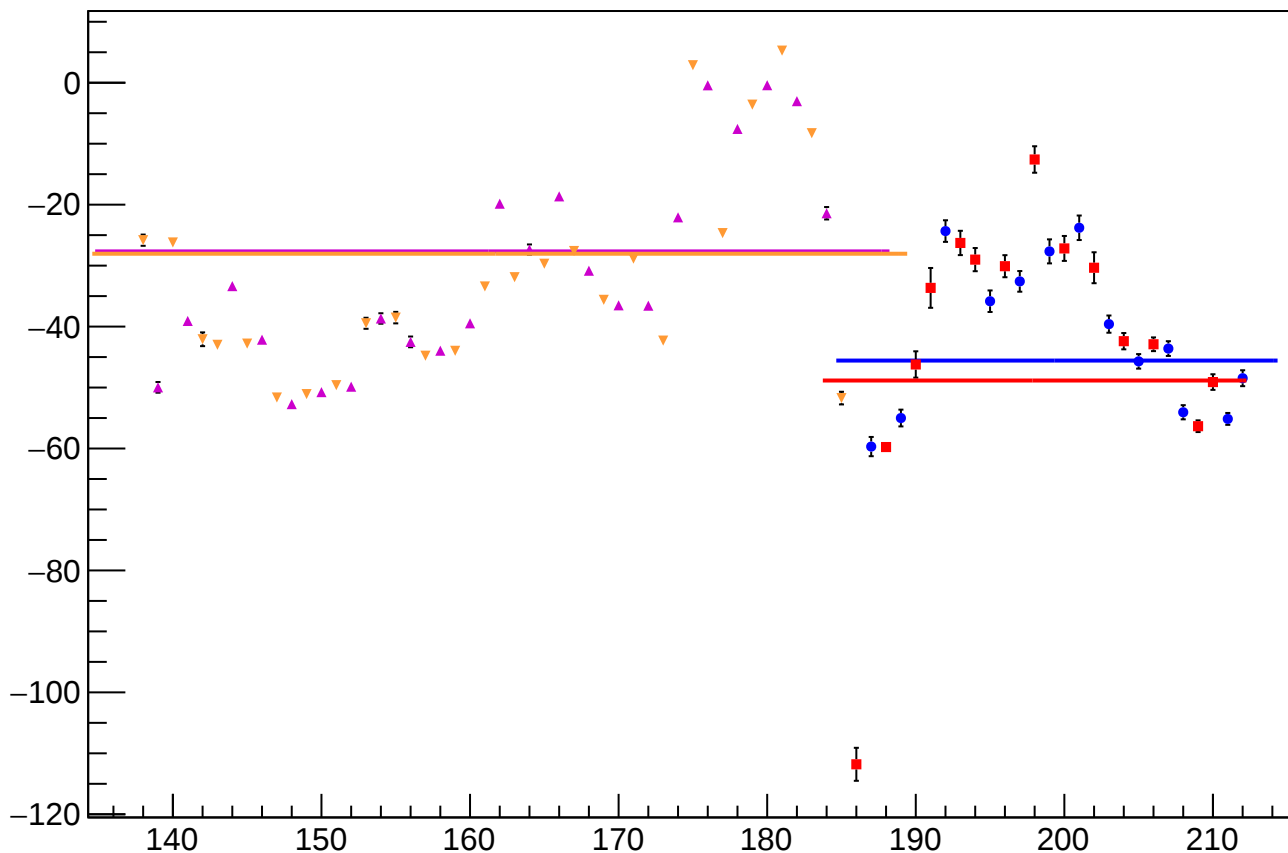
Left In: 0.493 ± 0.112 $\chi^2/\text{NDF}: 6555.4/22$

+ sign 1.333 ± 0.107 $\chi^2/\text{NDF}: 12200.5/37$

All: 1.449 ± 0.077 $\chi^2/\text{NDF}: 22599.5/74$

- sign 1.573 ± 0.110 $\chi^2/\text{NDF}: 10396.5/36$

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -45.574 ± 0.387 χ^2/NDF : 734.7/12

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -48.846 ± 0.370 χ^2/NDF : 1748.9/13

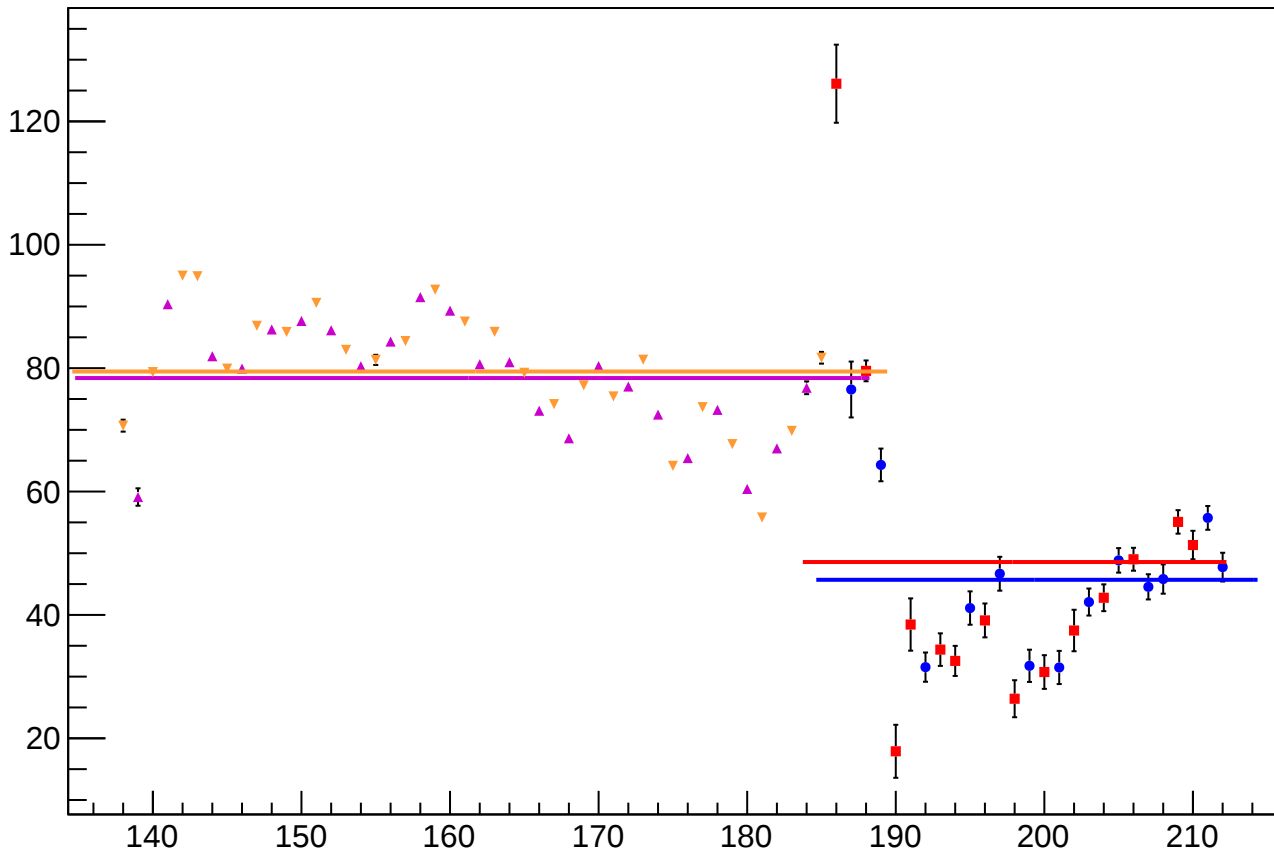
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -30.077 ± 0.132 χ^2/NDF : 19695.1/37

All: -30.238 ± 0.093 χ^2/NDF : 39306.3/74

- sign -30.403 ± 0.133 χ^2/NDF : 19608.2/36

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 45.694 $\pm$ 0.666 χ^2 /NDF: 224.3/12

Left Out: 79.456 $\pm$ 0.123 χ^2 /NDF: 6077.1/24

Right Out: 48.574 $\pm$ 0.670 χ^2 /NDF: 756.8/13

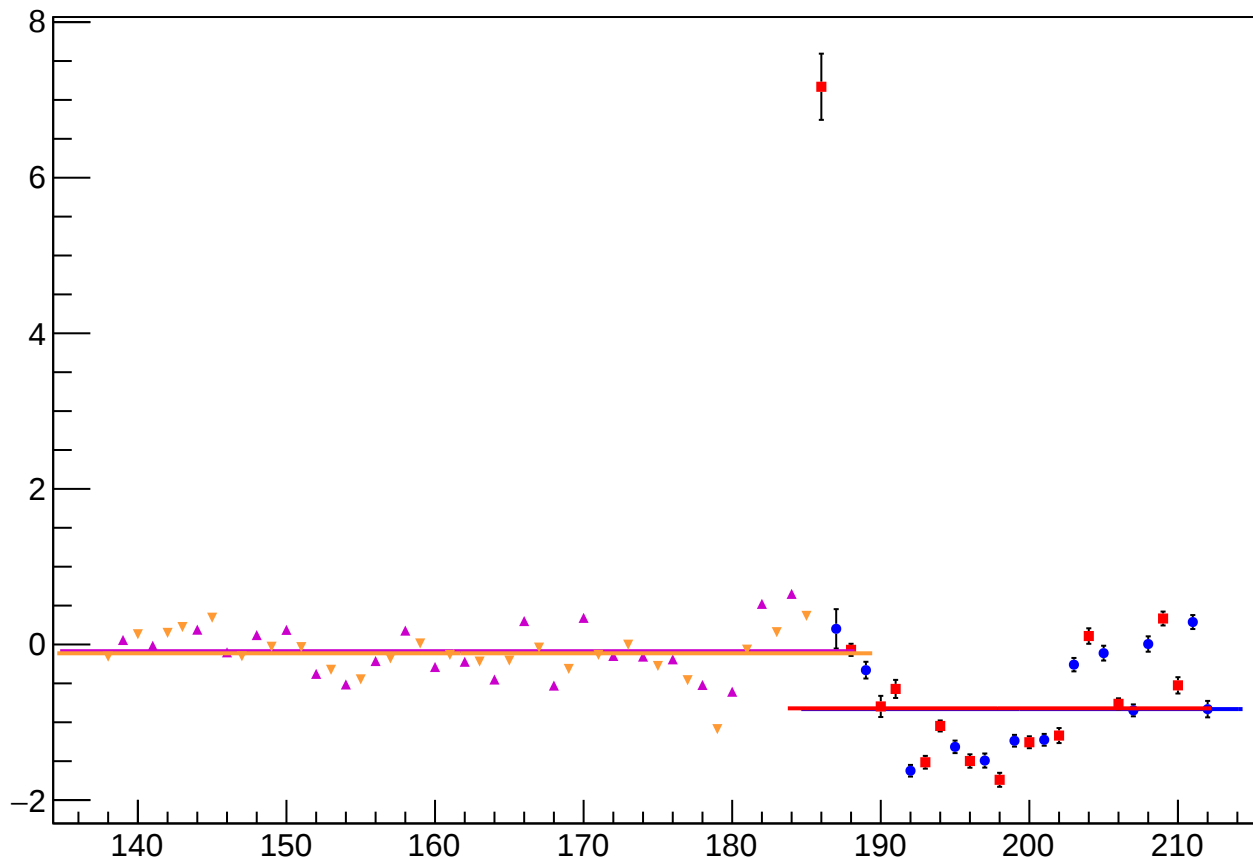
Left In: 78.396 $\pm$ 0.127 χ^2 /NDF: 4707.3/22

+ sign 78.339 $\pm$ 0.121 χ^2 /NDF: 8786.7/37

All: 77.865 $\pm$ 0.087 χ^2 /NDF: 16196.6/74

- sign 77.365 $\pm$ 0.125 χ^2 /NDF: 7378.4/36

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.830 ± 0.025 χ^2/NDF : 623.1/12

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.821 ± 0.024 χ^2/NDF : 1006.7/13

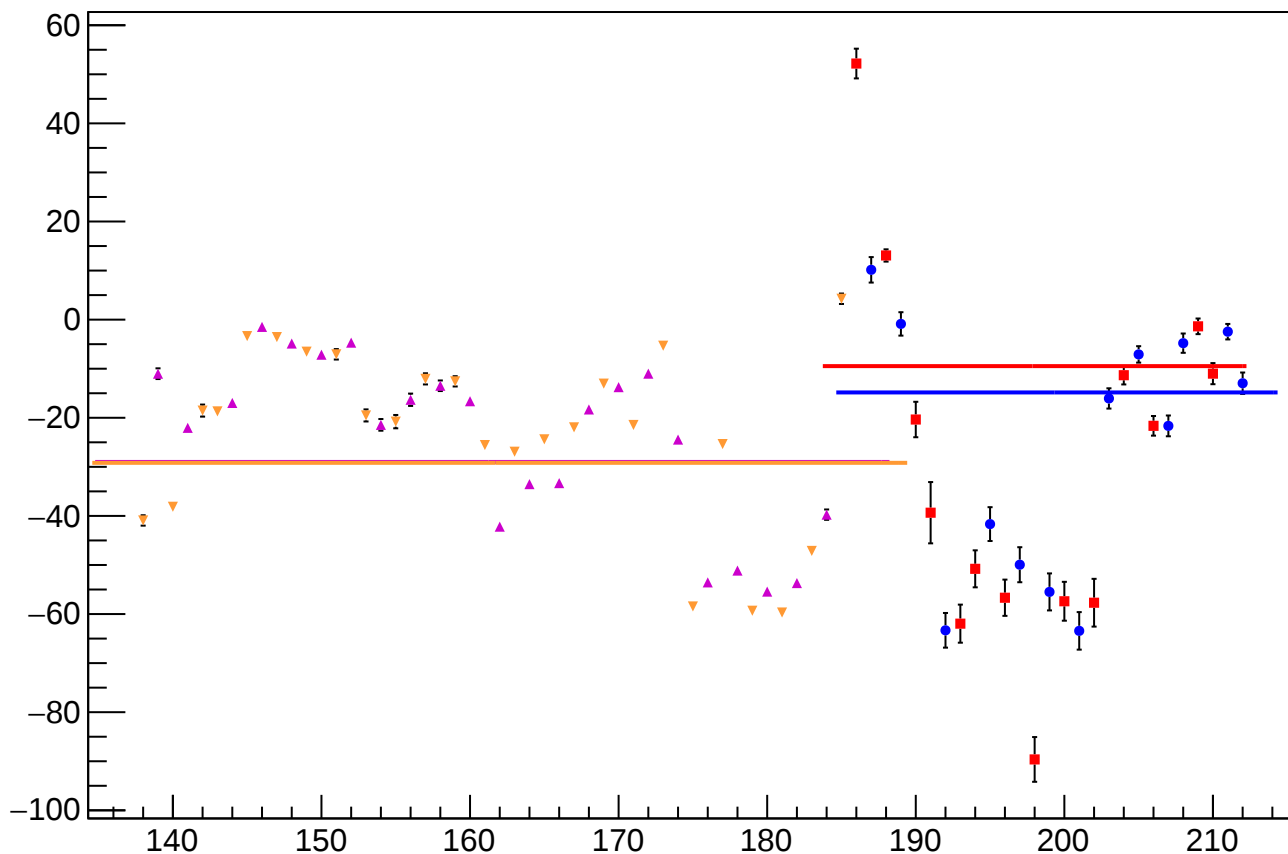
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.149 ± 0.006 χ^2/NDF : 3725.3/37

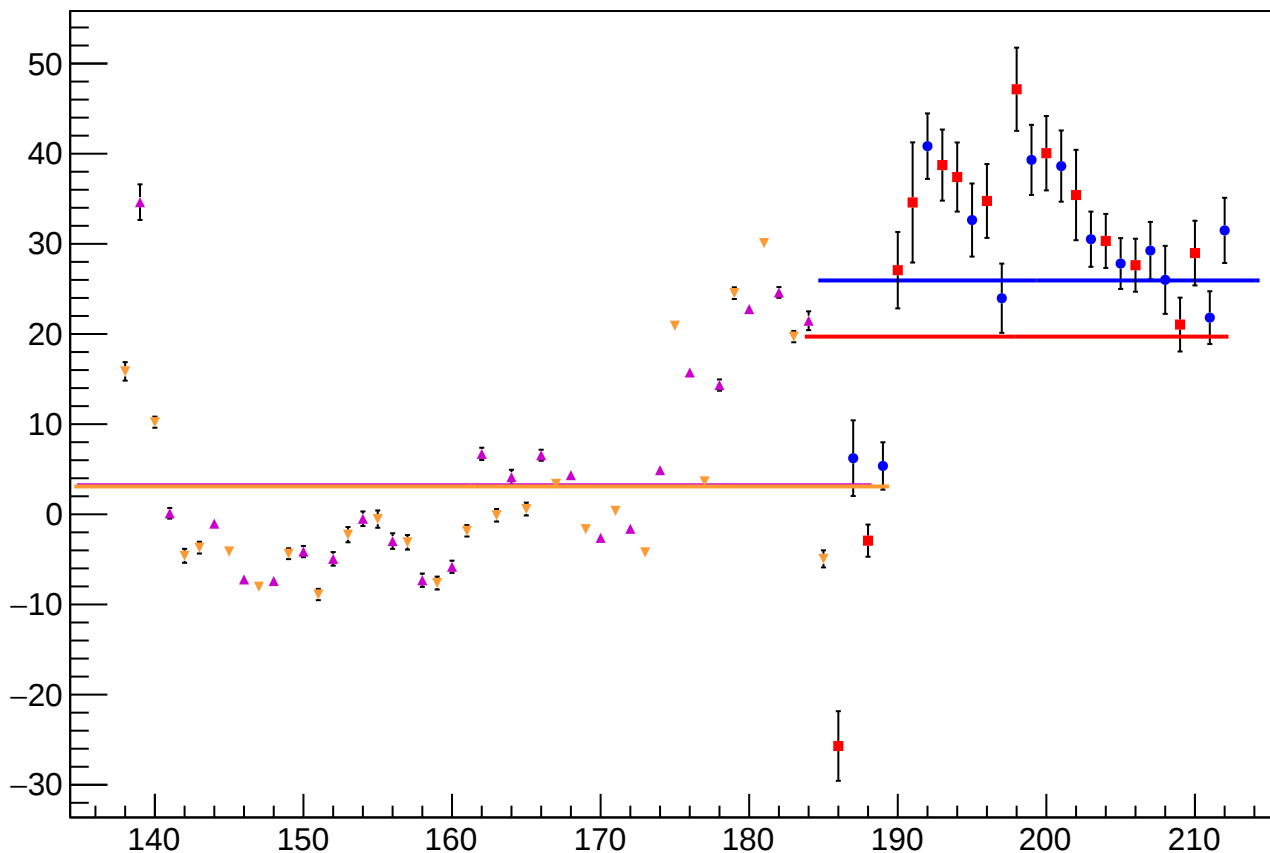
All: -0.138 ± 0.004 χ^2/NDF : 8740.4/74

- sign -0.126 ± 0.006 χ^2/NDF : 5006.3/36

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 25.939 $\pm$ 0.940 χ^2 /NDF: 133.5/12

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF: 8084.1/24

Right Out: 19.710 $\pm$ 0.908 χ^2 /NDF: 461.4/13

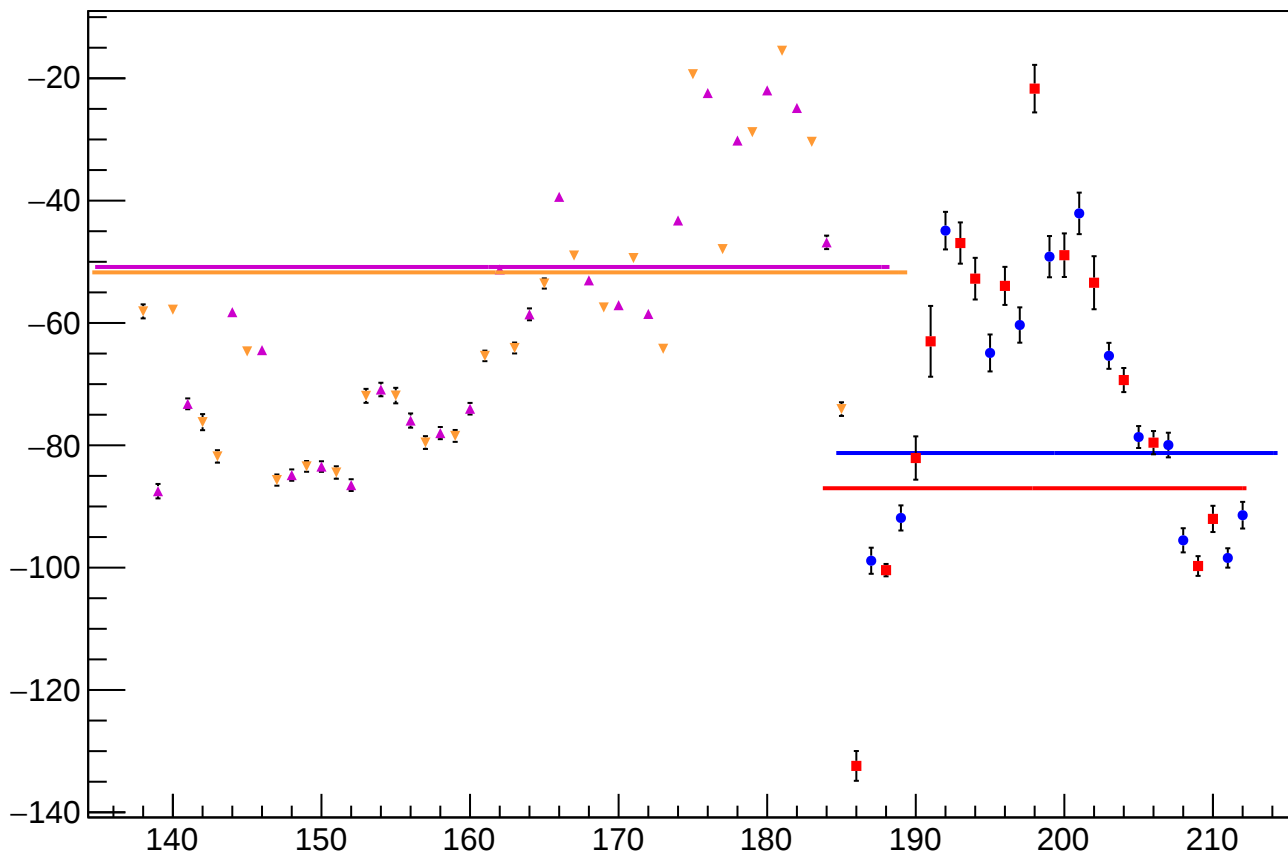
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF: 6237.6/22

+ sign 3.484 $\pm$ 0.123 χ^2 /NDF: 8797.9/37

All: 3.510 $\pm$ 0.088 χ^2 /NDF: 15820.7/74

- sign 3.537 $\pm$ 0.126 χ^2 /NDF: 7022.7/36

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -81.261 ± 0.619 χ^2/NDF : 790.7/12

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -87.019 ± 0.590 χ^2/NDF : 1518.2/13

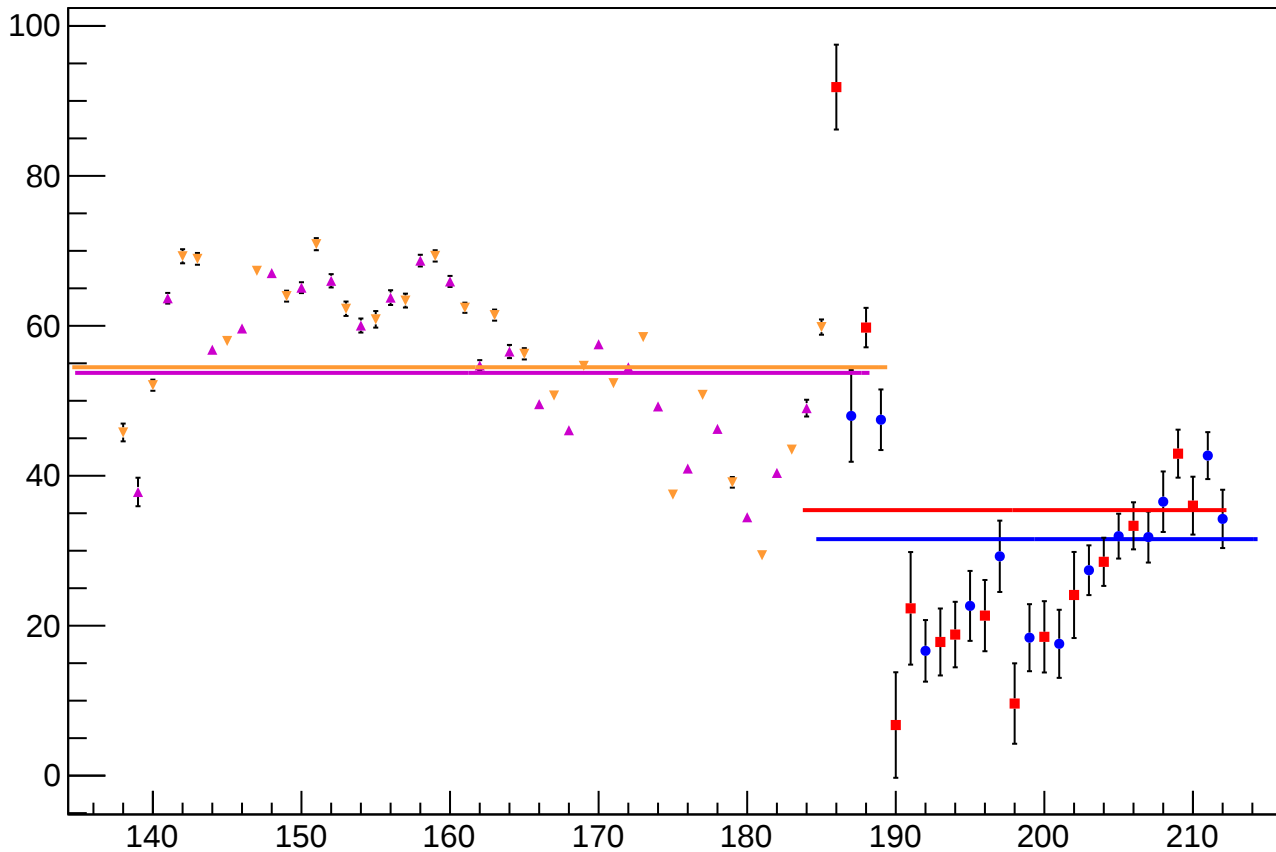
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -53.534 ± 0.153 χ^2/NDF : 22467.3/37

All: -53.429 ± 0.109 χ^2/NDF : 44754.9/74

- sign -53.322 ± 0.155 χ^2/NDF : 22286.7/36

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 31.545 $\pm$ 1.082 χ^2 /NDF: 74.1/12

Left Out: 54.476 $\pm$ 0.140 χ^2 /NDF: 6266.9/24

Right Out: 35.415 $\pm$ 1.096 χ^2 /NDF: 293.6/13

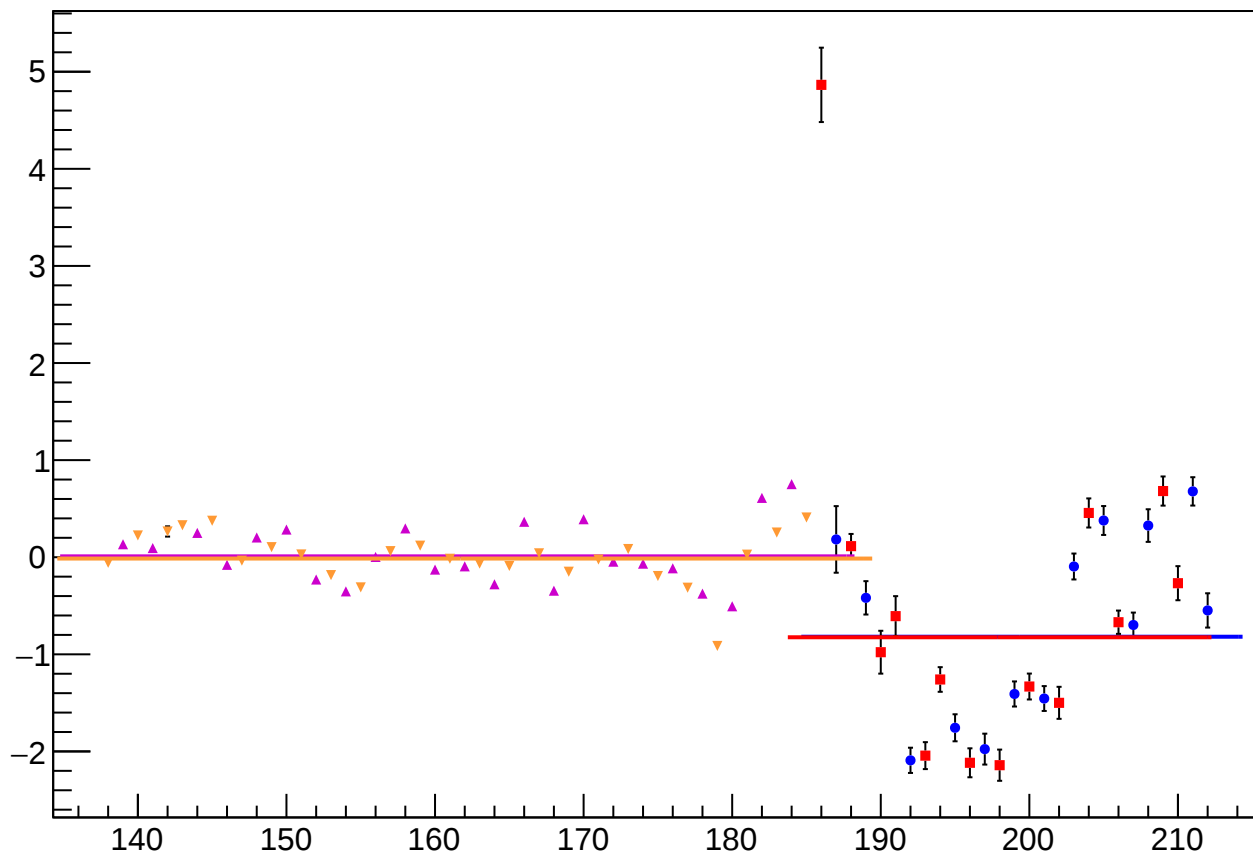
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 54.097 $\pm$ 0.139 χ^2 /NDF: 6782.9/37

All: 53.764 $\pm$ 0.099 χ^2 /NDF: 11948.4/74

- sign 53.417 $\pm$ 0.142 χ^2 /NDF: 5153.8/36

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.819 ± 0.041 χ^2/NDF : 502.7/12

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.824 ± 0.041 χ^2/NDF : 725.8/13

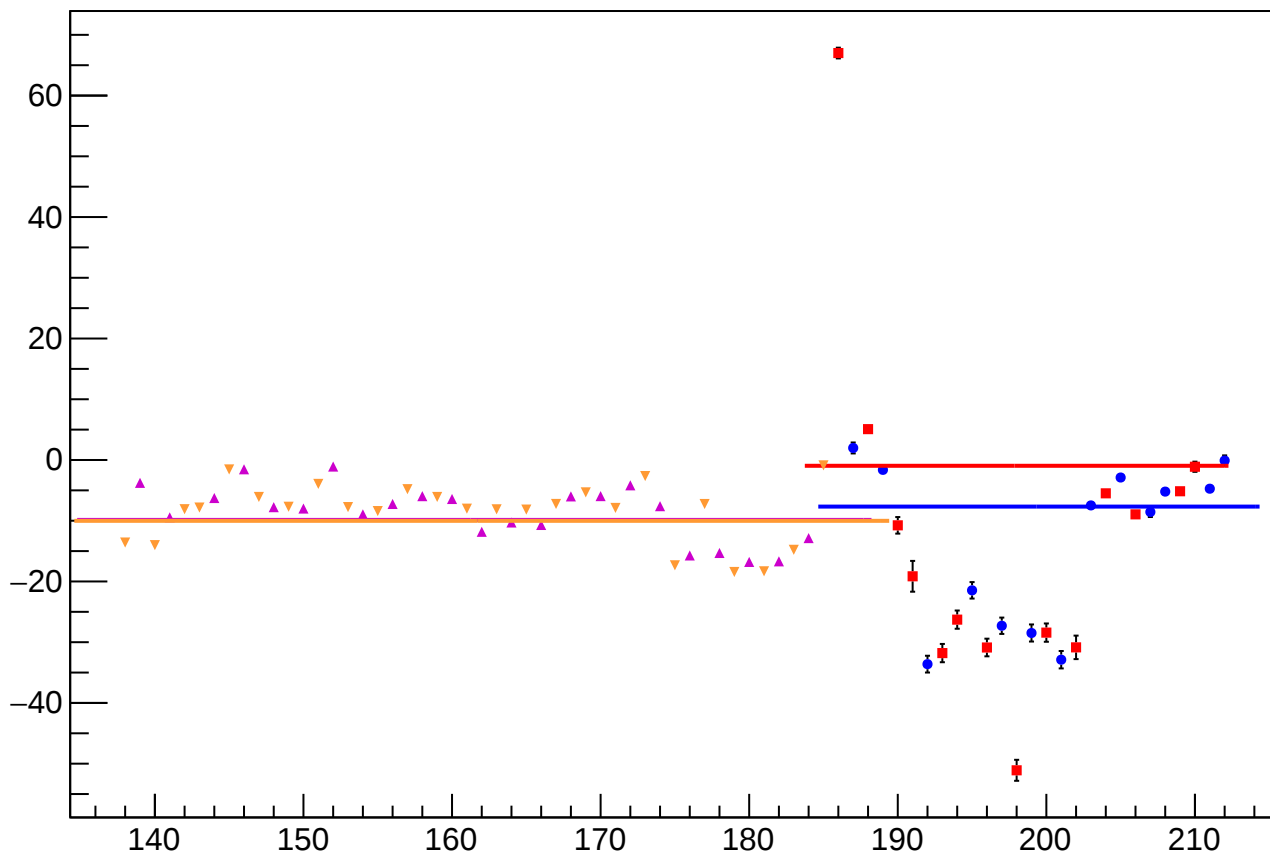
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.033 ± 0.006 χ^2/NDF : 2531.1/37

All: -0.023 ± 0.005 χ^2/NDF : 5886.3/74

- sign -0.012 ± 0.006 χ^2/NDF : 3349.9/36

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -7.672 ± 0.244 χ^2/NDF : 1538.6/12

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: -0.954 ± 0.242 χ^2/NDF : 8915.5/13

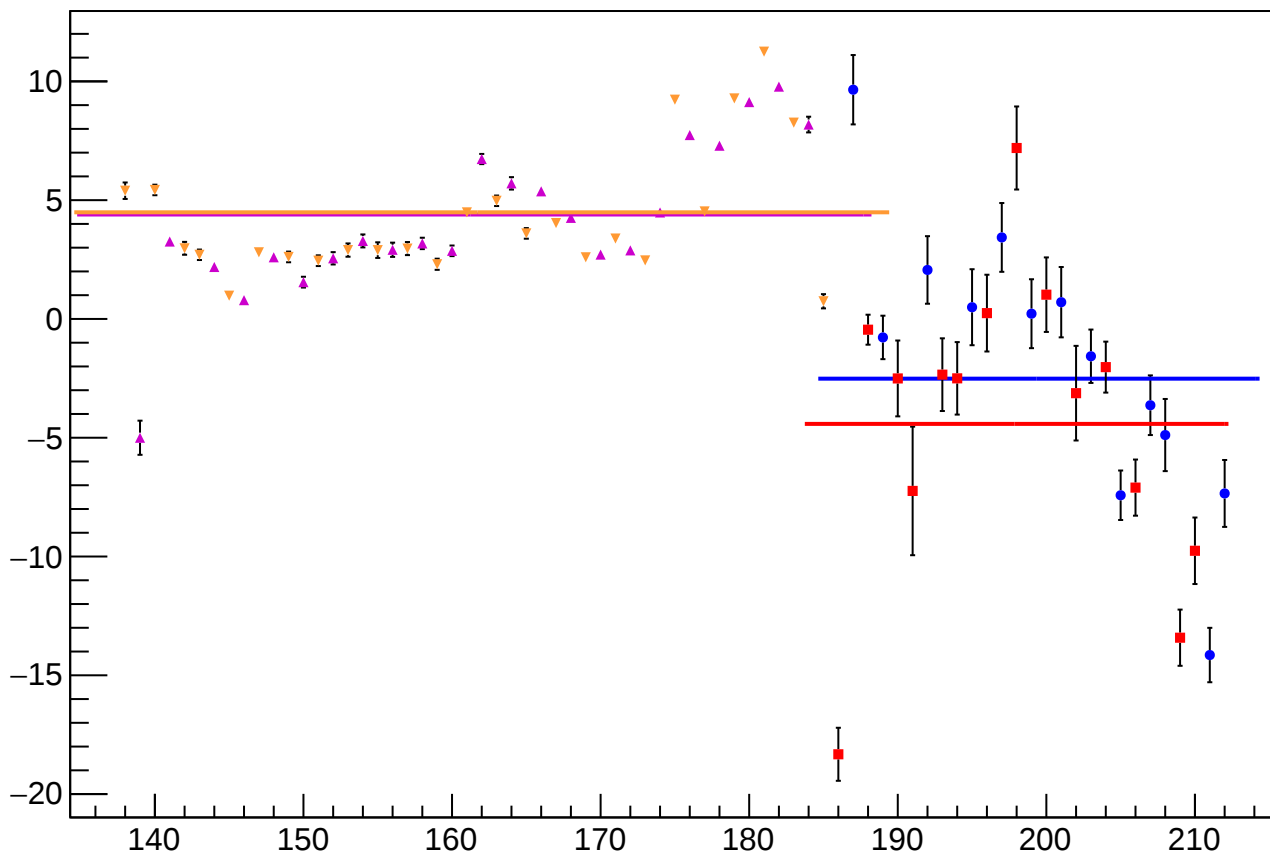
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.920 ± 0.050 χ^2/NDF : 14179.8/37

All: -9.703 ± 0.035 χ^2/NDF : 33778.7/74

- sign -9.480 ± 0.050 χ^2/NDF : 19560.2/36

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -2.514 ± 0.353 χ^2/NDF : 253.2/12

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -4.418 ± 0.336 χ^2/NDF : 348.2/13

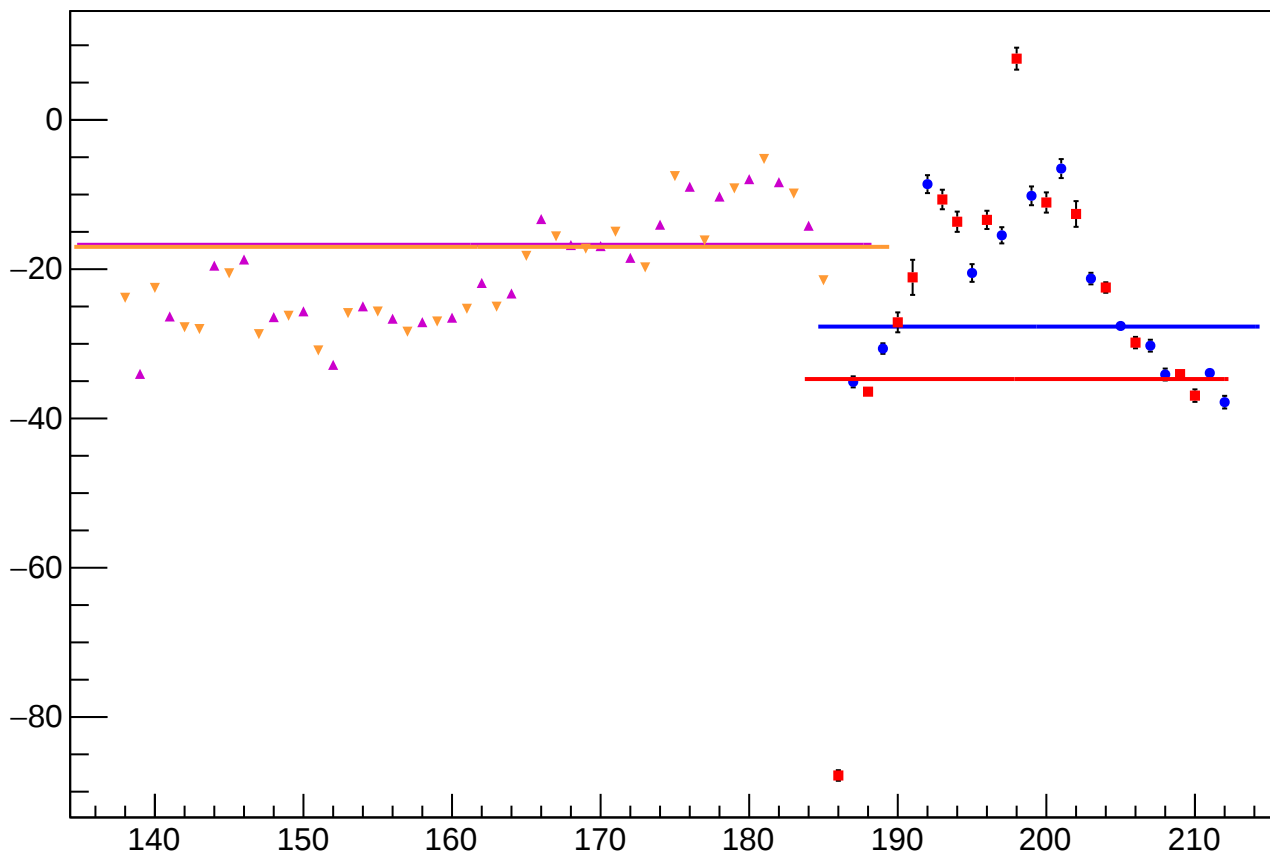
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.397 ± 0.040 χ^2/NDF : 5473.1/37

All: 4.332 ± 0.029 χ^2/NDF : 10736.6/74

- sign 4.265 ± 0.041 χ^2/NDF : 5258.3/36

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -27.691 ± 0.233 χ^2/NDF : 1391.1/12

Left Out: -17.008 ± 0.051 χ^2/NDF : 22094.7/24

Right Out: -34.718 ± 0.217 χ^2/NDF : 8225.3/13

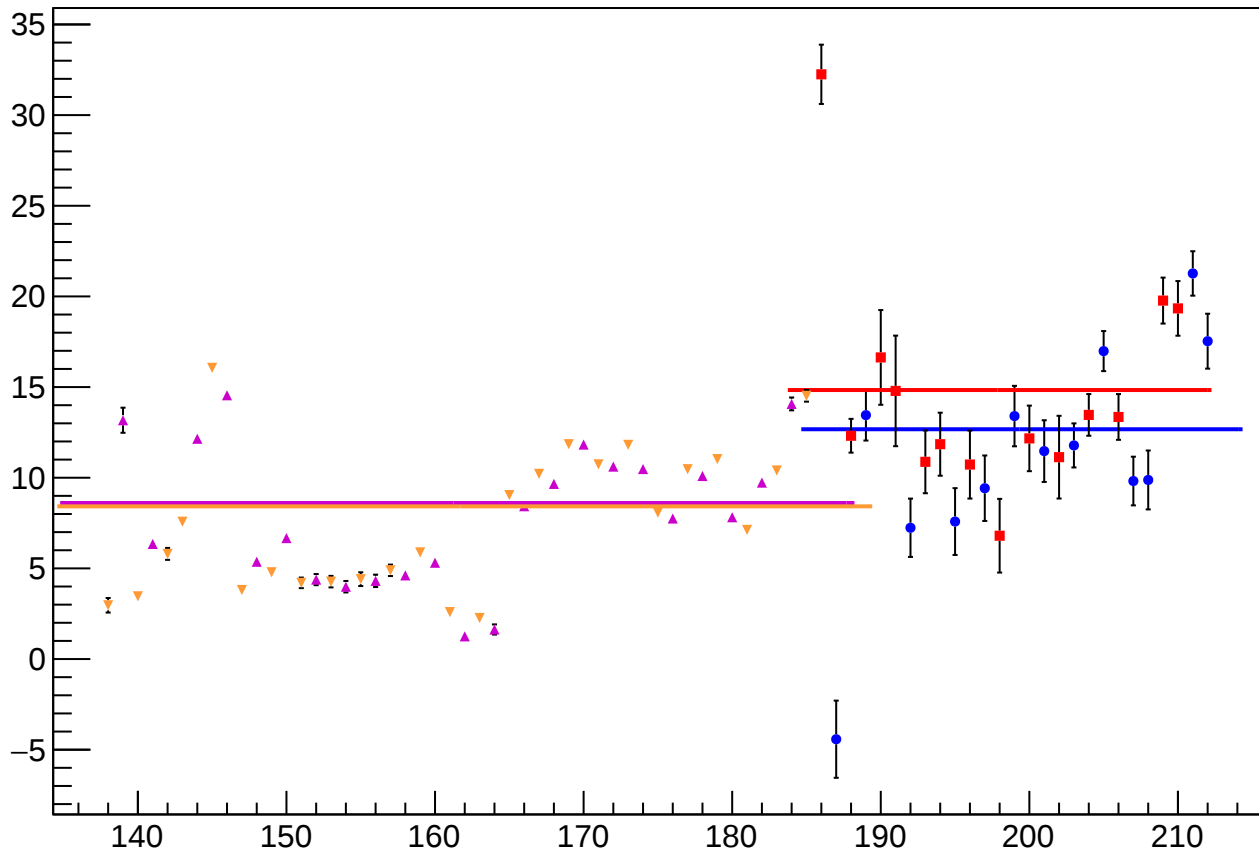
Left In: -16.732 ± 0.052 χ^2/NDF : 18777.2/22

+ sign -17.498 ± 0.050 χ^2/NDF : 25492.2/37

All: -17.594 ± 0.035 χ^2/NDF : 58995.1/74

- sign -17.690 ± 0.050 χ^2/NDF : 33495.5/36

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 12.674 $\pm$ 0.410 χ^2 /NDF: 170.6/12

Left Out: 8.422 $\pm$ 0.046 χ^2 /NDF: 6470.1/24

Right Out: 14.837 $\pm$ 0.411 χ^2 /NDF: 181.5/13

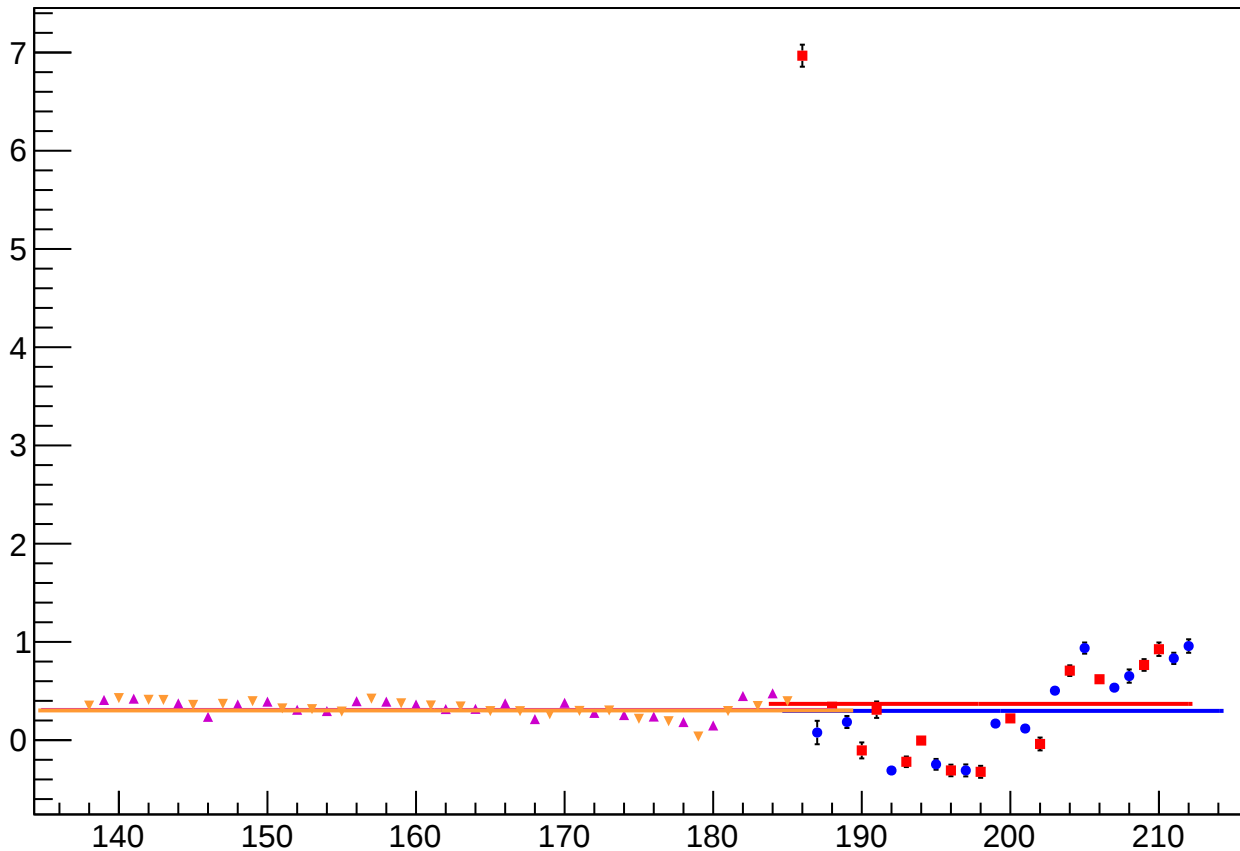
Left In: 8.606 $\pm$ 0.046 χ^2 /NDF: 5504.2/22

+ sign 8.474 $\pm$ 0.045 χ^2 /NDF: 6747.1/37

All: 8.577 $\pm$ 0.032 χ^2 /NDF: 12670.2/74

- sign 8.684 $\pm$ 0.046 χ^2 /NDF: 5912.5/36

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.298 ± 0.016 χ^2/NDF : 740.3/12

Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.369 ± 0.016 χ^2/NDF : 4153.7/13

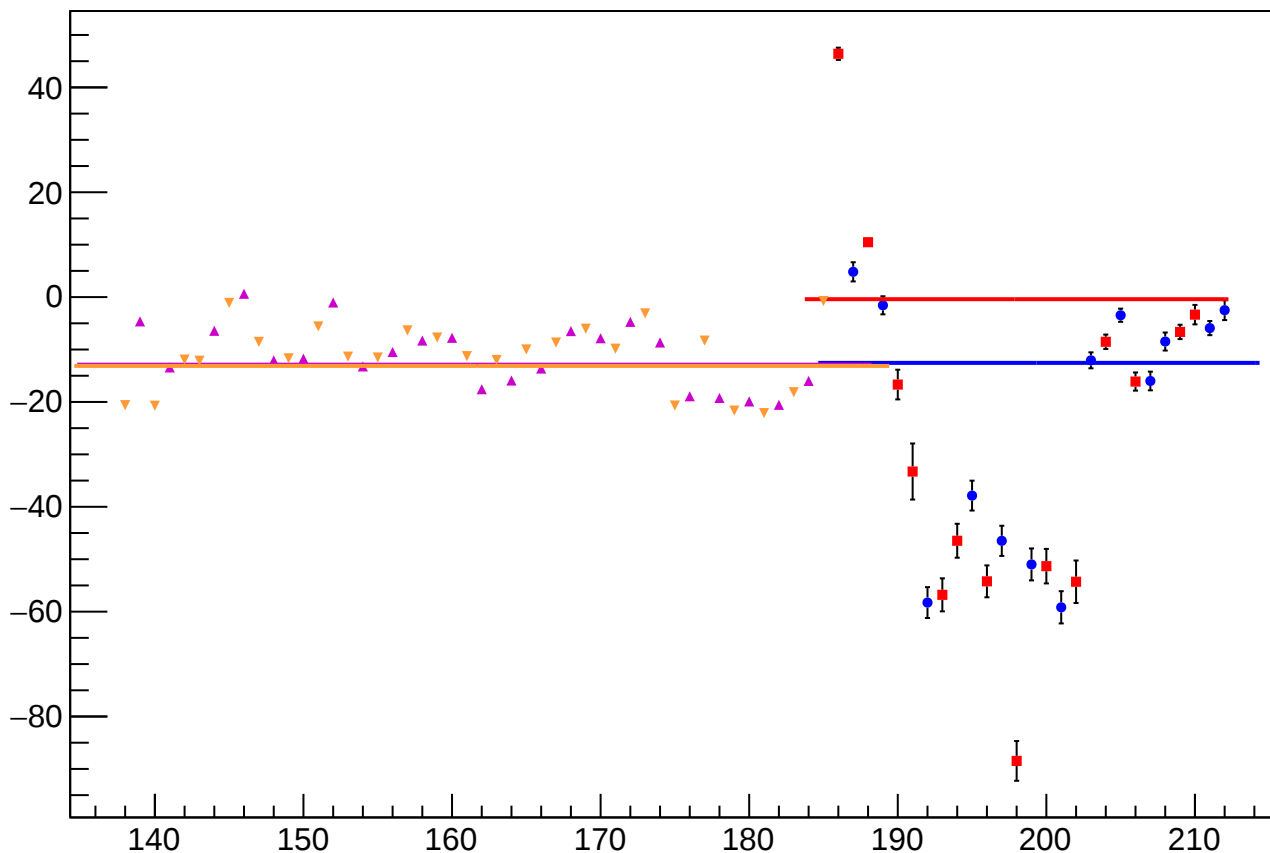
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.302 ± 0.002 χ^2/NDF : 2331.3/37

All: 0.305 ± 0.001 χ^2/NDF : 8203.9/74

- sign 0.308 ± 0.002 χ^2/NDF : 5868.5/36

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -12.545 ± 0.516 $\chi^2/\text{NDF}: 1093.4/12$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: -0.399 ± 0.485 $\chi^2/\text{NDF}: 3749.3/13$

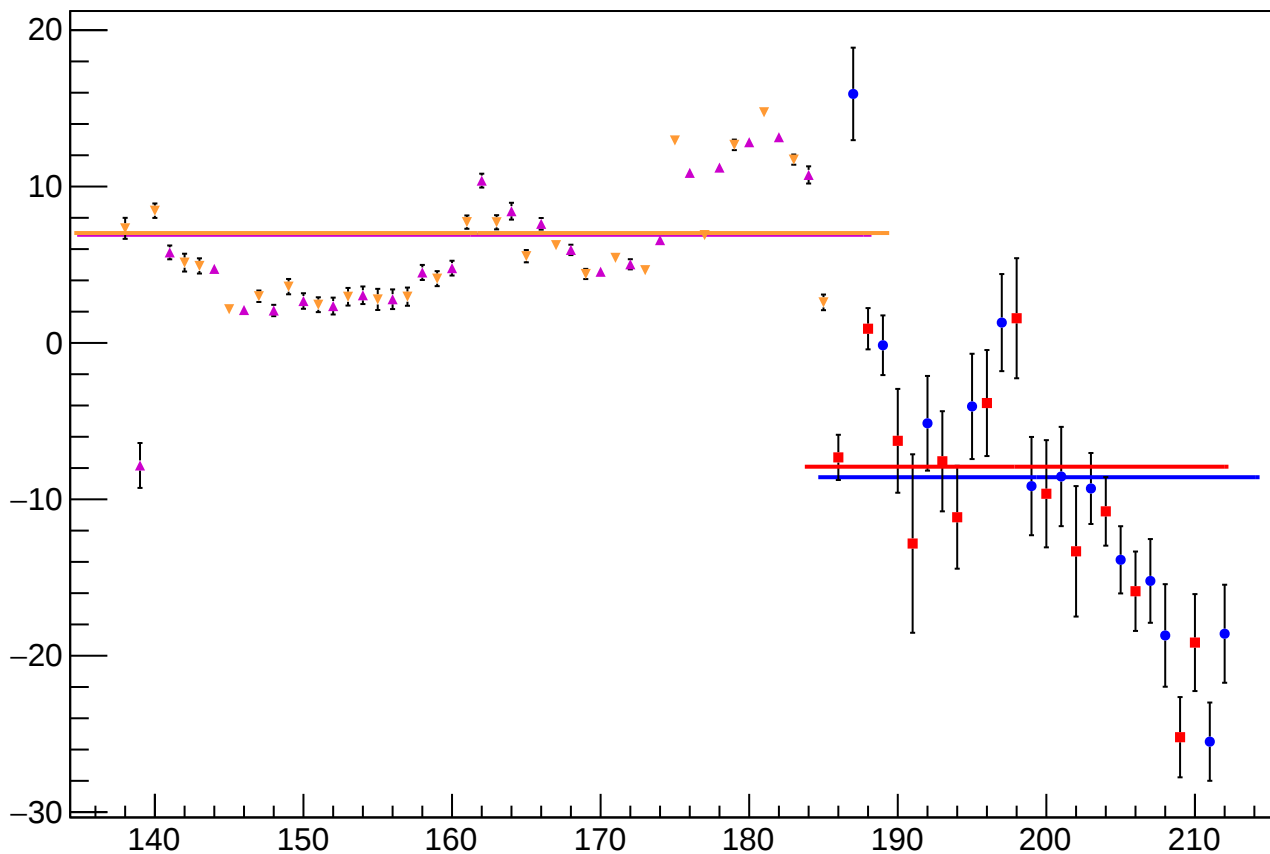
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.106 ± 0.092 $\chi^2/\text{NDF}: 7072.2/37$

All: -12.769 ± 0.066 $\chi^2/\text{NDF}: 16264.3/74$

- sign -12.422 ± 0.093 $\chi^2/\text{NDF}: 9164.9/36$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -8.586 ± 0.746 $\chi^2/\text{NDF}: 179.2/12$

Left Out: 7.028 ± 0.077 $\chi^2/\text{NDF}: 2665.3/24$

Right Out: -7.914 ± 0.662 $\chi^2/\text{NDF}: 126.5/13$

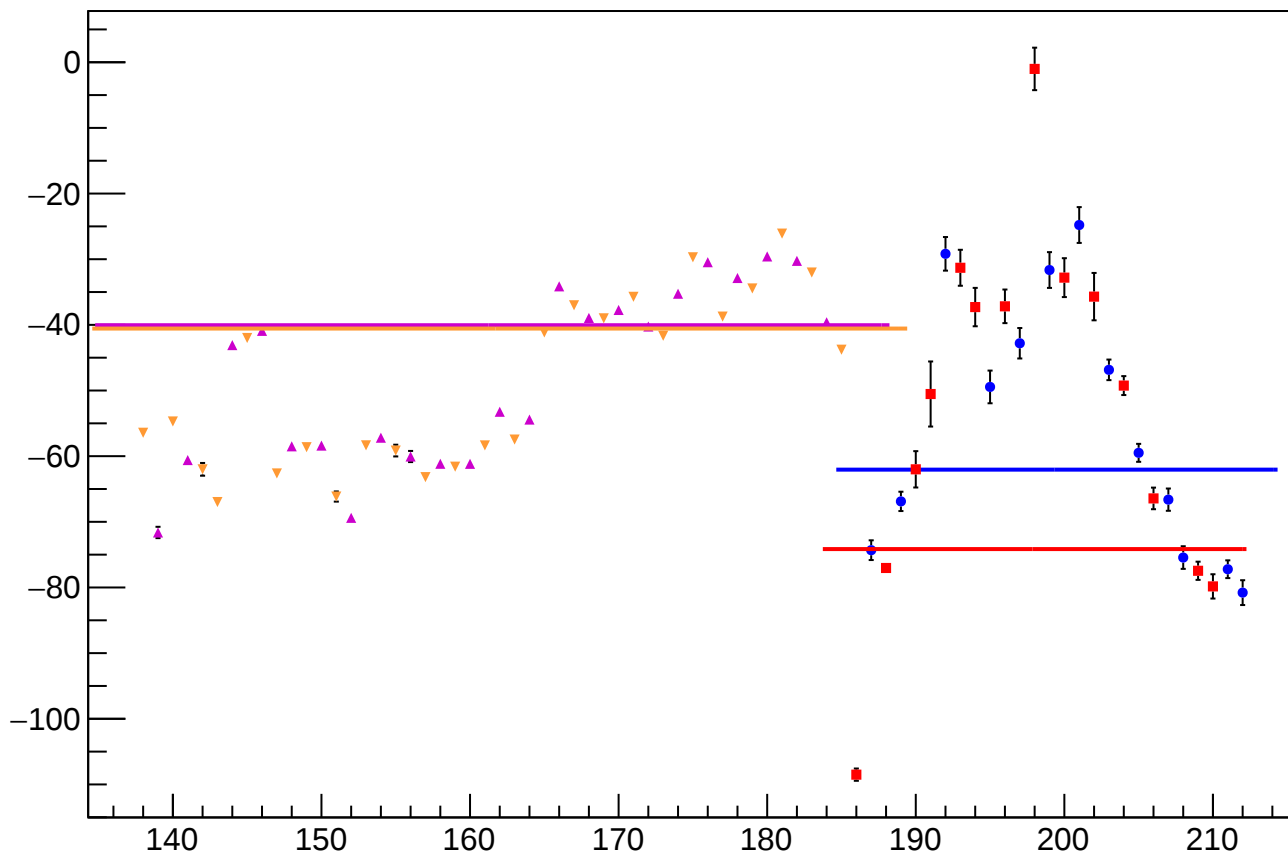
Left In: 6.914 ± 0.078 $\chi^2/\text{NDF}: 2428.2/22$

+ sign 6.862 ± 0.077 $\chi^2/\text{NDF}: 3277.6/37$

All: 6.788 ± 0.054 $\chi^2/\text{NDF}: 6328.8/74$

- sign 6.712 ± 0.077 $\chi^2/\text{NDF}: 3049.3/36$

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -62.051 ± 0.492 χ^2/NDF : 1037.2/12

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -74.151 ± 0.429 χ^2/NDF : 3173.2/13

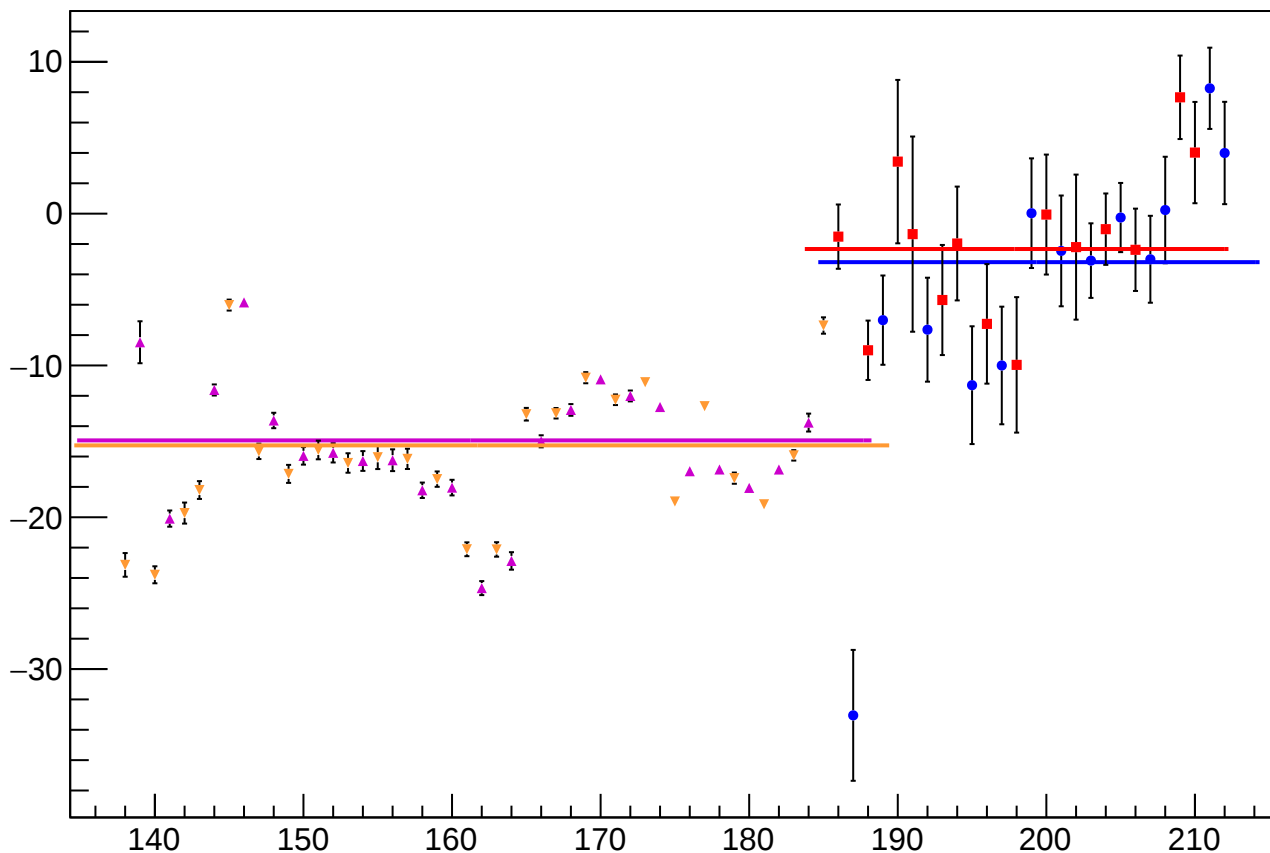
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -41.330 ± 0.093 χ^2/NDF : 18511.8/37

All: -41.499 ± 0.066 χ^2/NDF : 41640.7/74

- sign -41.669 ± 0.093 χ^2/NDF : 23122.3/36

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -3.195+/-0.867 χ^2/NDF : 85.1/12

Left Out: -15.266+/-0.086 χ^2/NDF : 2595.5/24

Right Out: -2.329+/-0.830 χ^2/NDF : 35.8/13

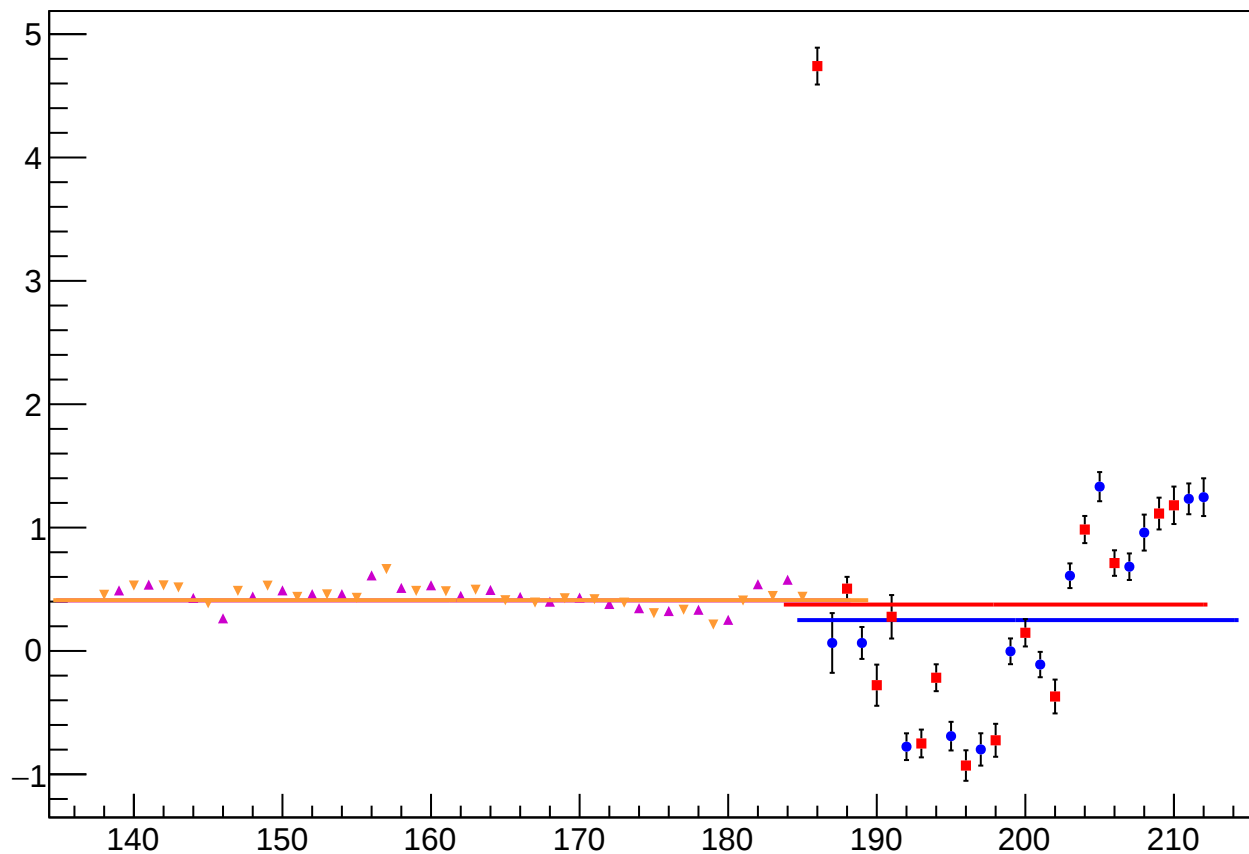
Left In: -14.936+/-0.087 χ^2/NDF : 2199.7/22

+ sign -15.148+/-0.085 χ^2/NDF : 2872.3/37

All: -14.976+/-0.061 χ^2/NDF : 5344.3/74

- sign -14.800+/-0.086 χ^2/NDF : 2463.8/36

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.250 $\pm$ 0.033 χ^2 /NDF: 481.4/12

Left Out: 0.411 $\pm$ 0.004 χ^2 /NDF: 428.7/24

Right Out: 0.376 $\pm$ 0.033 χ^2 /NDF: 1315.9/13

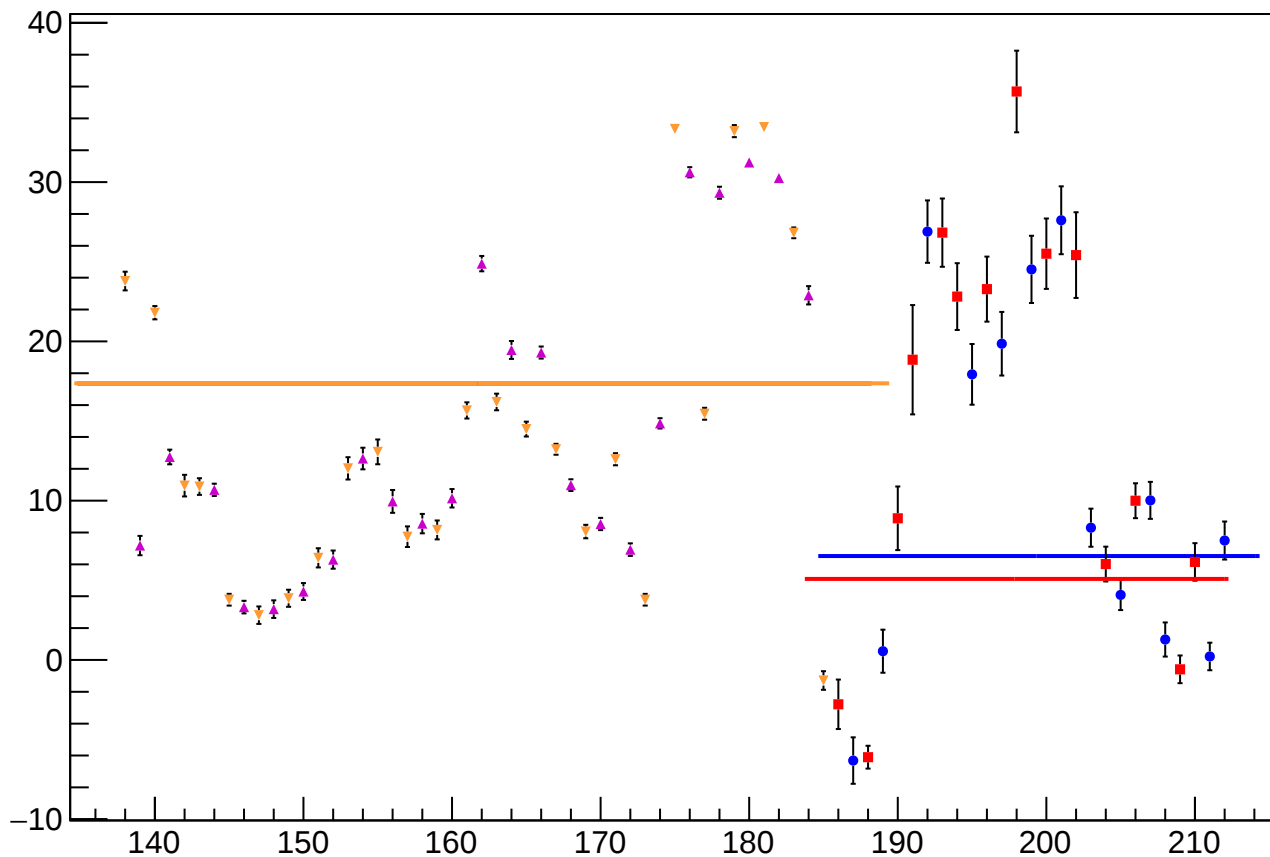
Left In: 0.409 $\pm$ 0.004 χ^2 /NDF: 557.8/22

+ sign 0.409 $\pm$ 0.004 χ^2 /NDF: 933.0/37

All: 0.409 $\pm$ 0.003 χ^2 /NDF: 2807.7/74

- sign 0.409 $\pm$ 0.004 χ^2 /NDF: 1874.7/36

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 6.523 ± 0.360 $\chi^2/\text{NDF}: 551.8/12$

Left Out: 17.367 ± 0.087 $\chi^2/\text{NDF}: 16337.6/24$

Right Out: 5.087 ± 0.363 $\chi^2/\text{NDF}: 892.4/13$

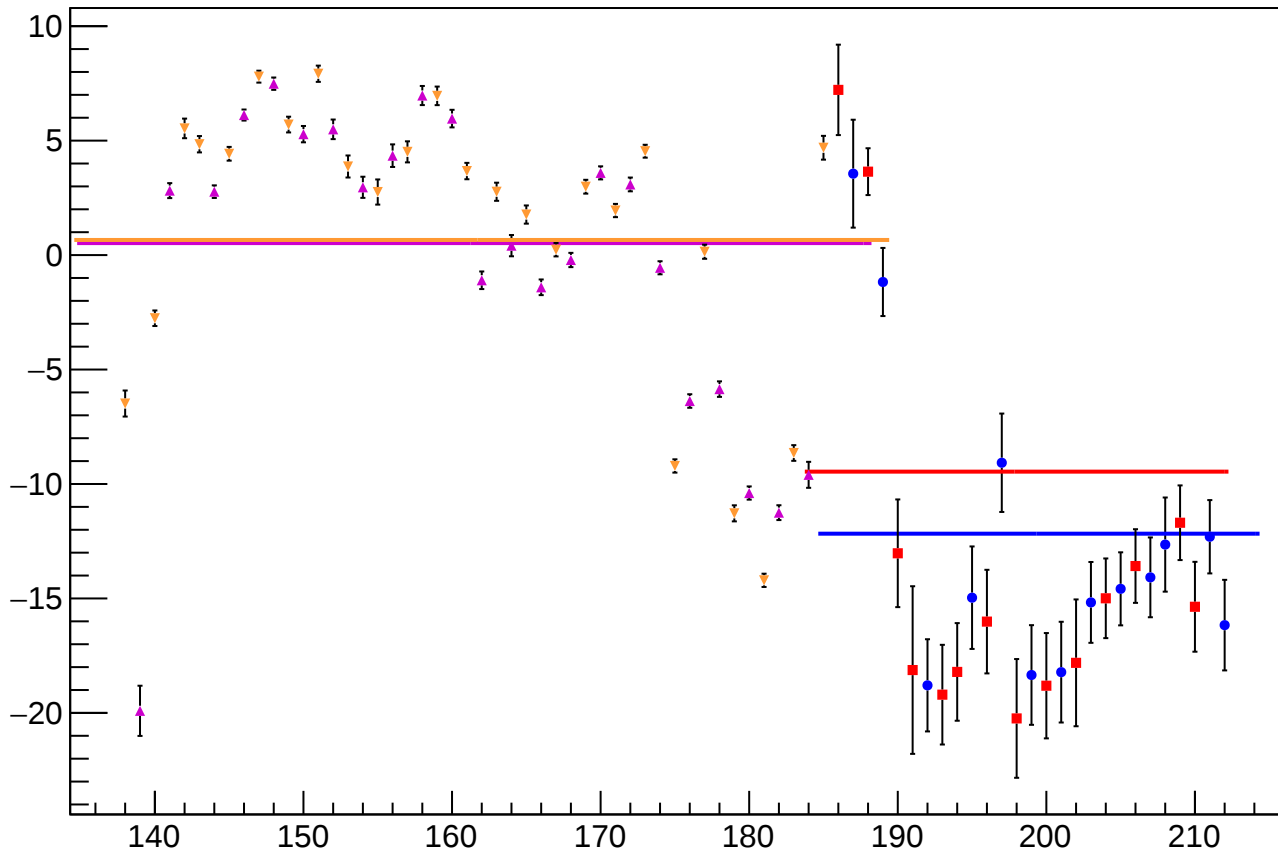
Left In: 17.355 ± 0.089 $\chi^2/\text{NDF}: 12745.1/22$

+ sign 16.769 ± 0.085 $\chi^2/\text{NDF}: 17745.3/37$

All: 16.716 ± 0.060 $\chi^2/\text{NDF}: 32461.4/74$

- sign 16.661 ± 0.086 $\chi^2/\text{NDF}: 14715.4/36$

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -12.171 ± 0.524 χ^2/NDF : 139.7/12

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: -9.460 ± 0.505 χ^2/NDF : 359.1/13

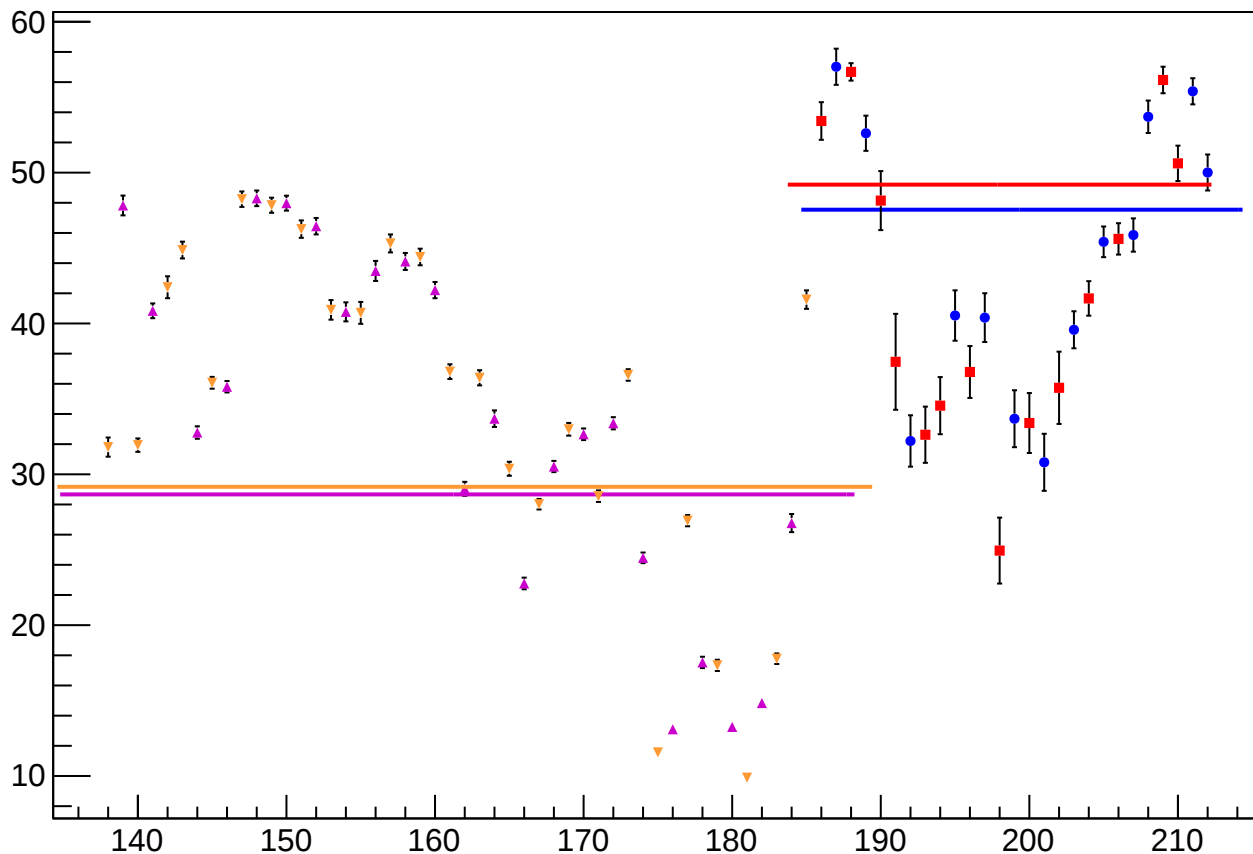
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.440 ± 0.069 χ^2/NDF : 9282.0/37

All: 0.387 ± 0.049 χ^2/NDF : 16754.6/74

- sign 0.332 ± 0.070 χ^2/NDF : 7471.4/36

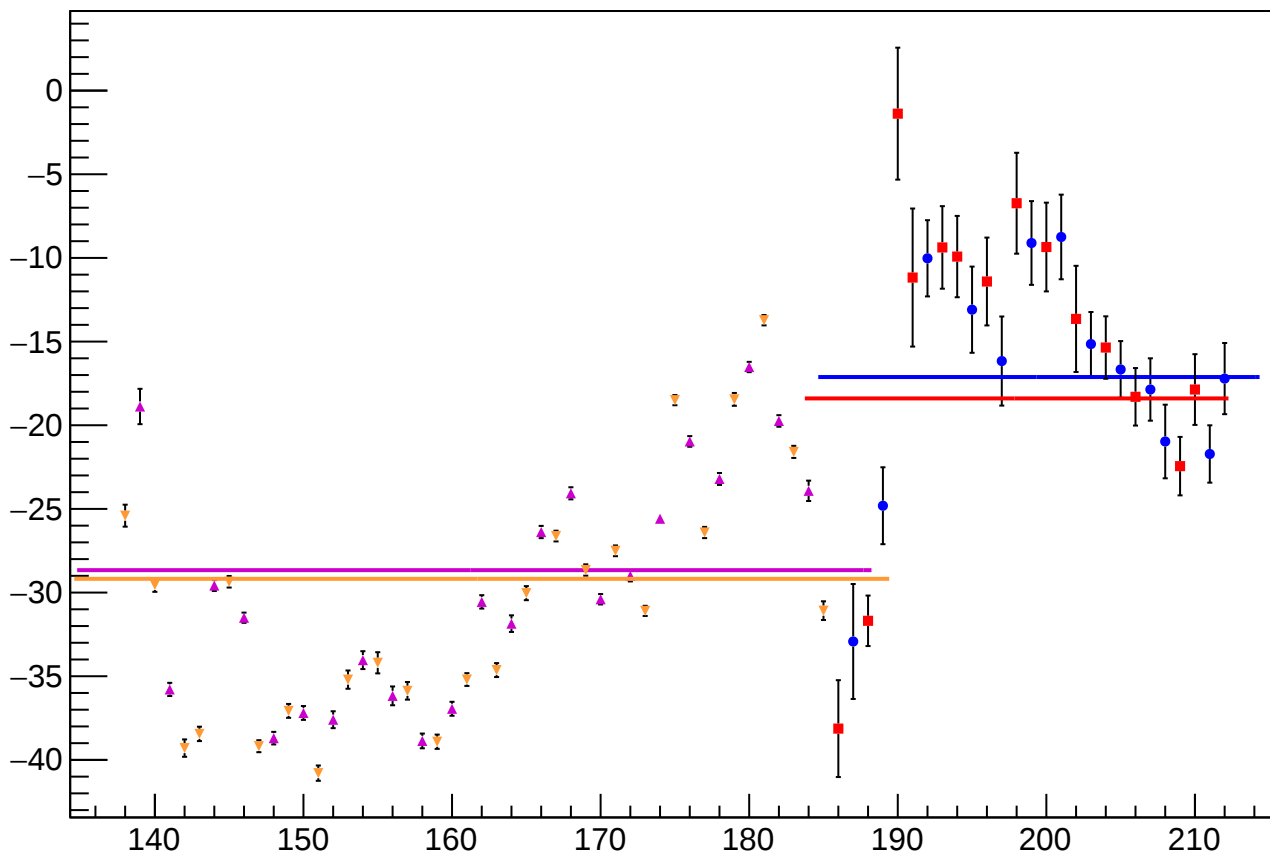
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 47.543 $\pm$ 0.344 χ^2 /NDF: 500.0/12
 Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24
 Right Out: 49.204 $\pm$ 0.329 χ^2 /NDF: 720.3/13
 Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 30.292 $\pm$ 0.085 χ^2 /NDF: 22146.4/37
 All: 30.182 $\pm$ 0.060 χ^2 /NDF: 43344.7/74
 - sign 30.070 $\pm$ 0.086 χ^2 /NDF: 21195.0/36

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -17.118 ± 0.603 $\chi^2/\text{NDF}: 77.4/12$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -18.397 ± 0.610 $\chi^2/\text{NDF}: 215.3/13$

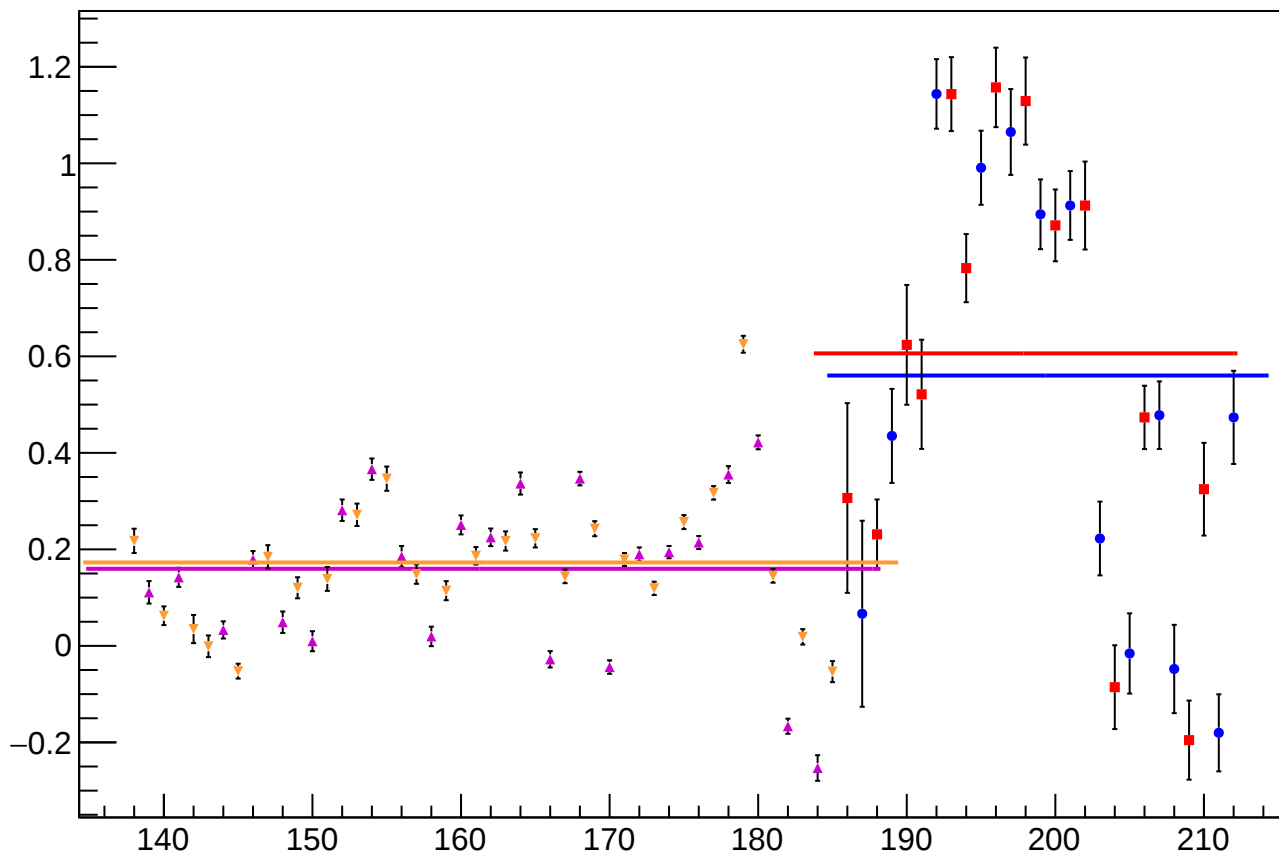
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -28.978 ± 0.078 $\chi^2/\text{NDF}: 9552.4/37$

All: -28.738 ± 0.055 $\chi^2/\text{NDF}: 16736.0/74$

- sign -28.487 ± 0.079 $\chi^2/\text{NDF}: 7163.9/36$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.560 $\pm$ 0.023 χ^2/NDF : 383.0/12

Left Out: 0.173 $\pm$ 0.004 χ^2/NDF :1478.5/24

Right Out: 0.606 $\pm$ 0.023 χ^2/NDF : 359.4/13

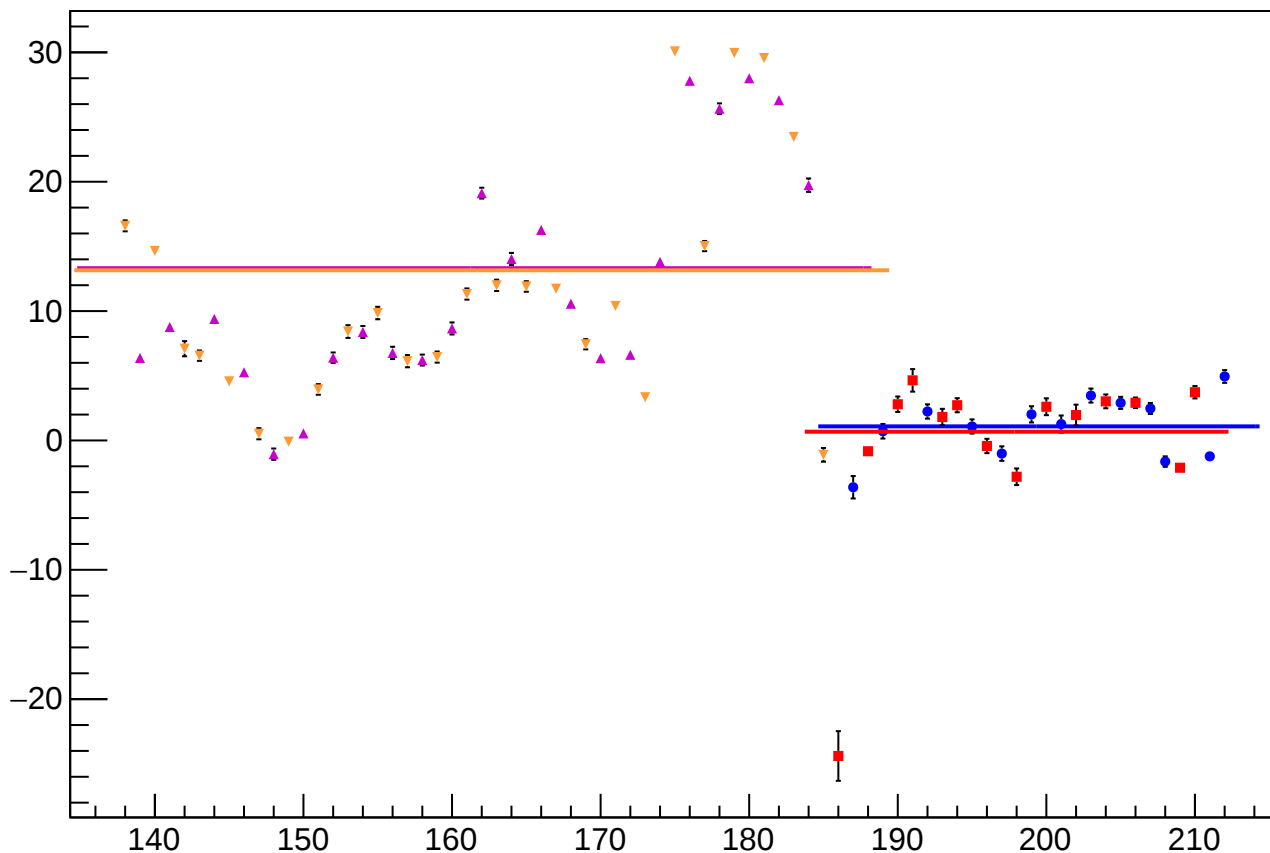
Left In: 0.160 $\pm$ 0.004 χ^2/NDF :2057.9/22

+ sign 0.182 $\pm$ 0.004 χ^2/NDF : 2141.5/37

All: 0.177 $\pm$ 0.003 χ^2/NDF : 4937.5/74

- sign 0.171 $\pm$ 0.004 χ^2/NDF : 2791.1/36

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.087 ± 0.142 χ^2/NDF : 238.5/12

Left Out: 13.153 ± 0.075 χ^2/NDF : 17079.7/24

Right Out: 0.675 ± 0.135 χ^2/NDF : 452.4/13

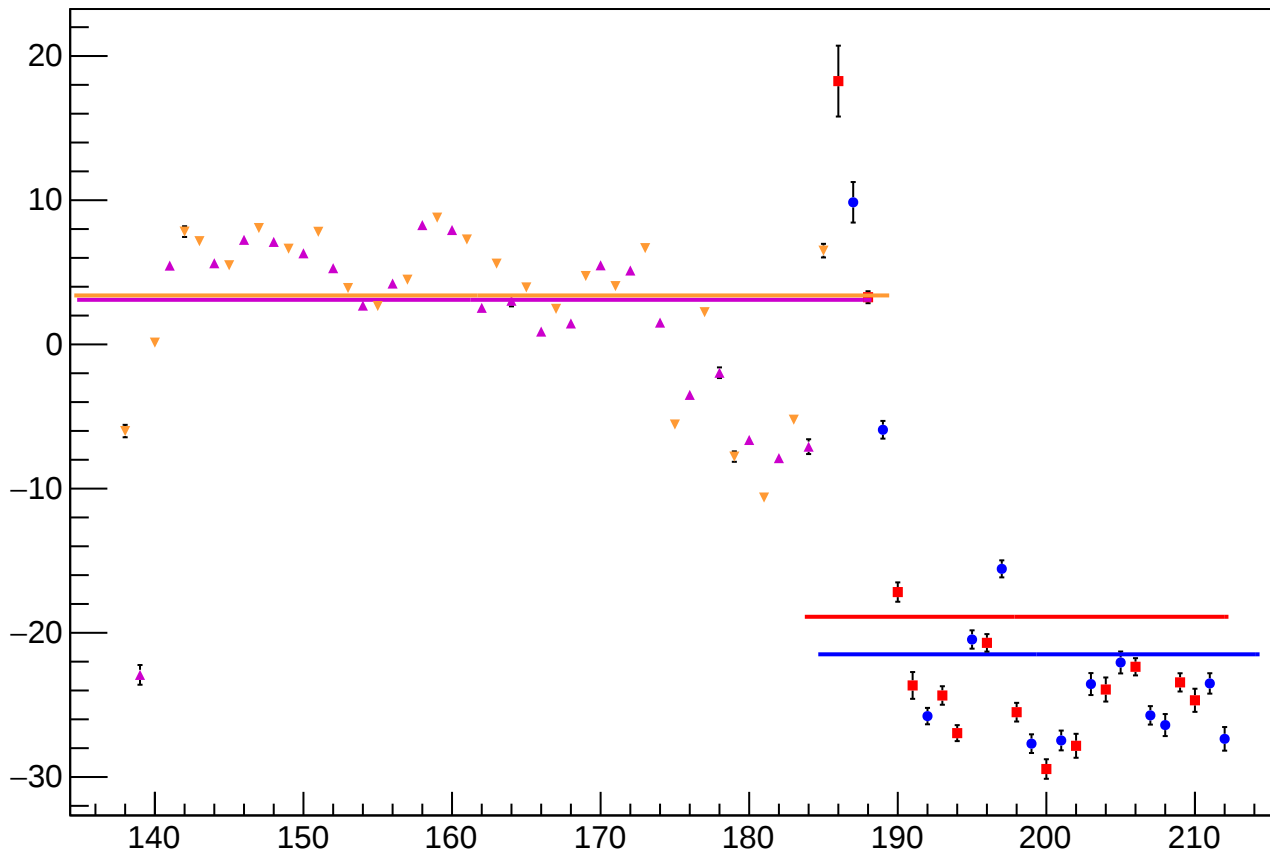
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 10.511 ± 0.066 χ^2/NDF : 22952.4/37

All: 10.357 ± 0.047 χ^2/NDF : 44015.5/74

- sign 10.200 ± 0.067 χ^2/NDF : 21052.3/36

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -21.492 ± 0.192 $\chi^2/\text{NDF}: 1620.0/12$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -18.888 ± 0.177 $\chi^2/\text{NDF}: 4051.2/13$

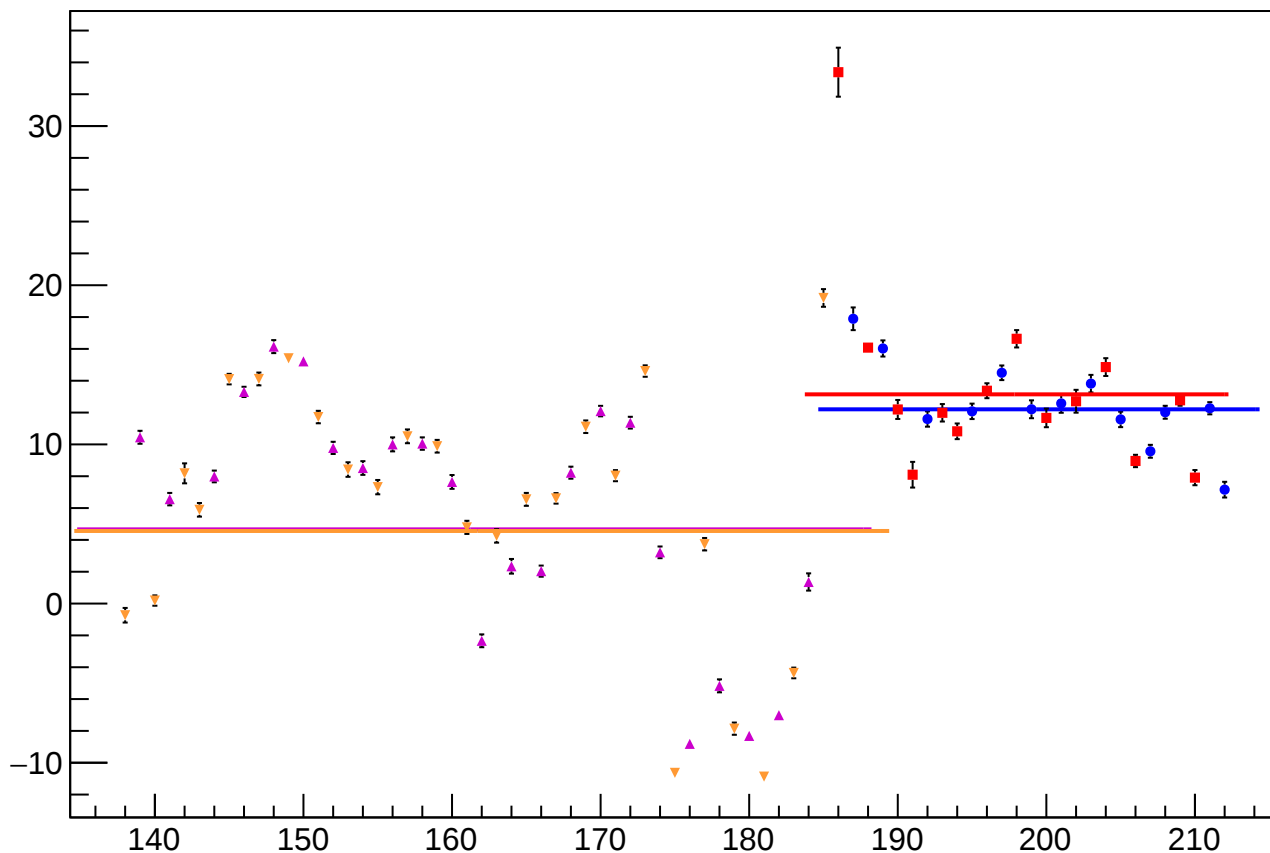
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 1.285 ± 0.056 $\chi^2/\text{NDF}: 25135.4/37$

All: 1.038 ± 0.040 $\chi^2/\text{NDF}: 50193.8/74$

- sign 0.778 ± 0.057 $\chi^2/\text{NDF}: 25018.3/36$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.204 $\pm$ 0.134 χ^2 /NDF: 305.0/12

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 13.145 $\pm$ 0.122 χ^2 /NDF: 700.7/13

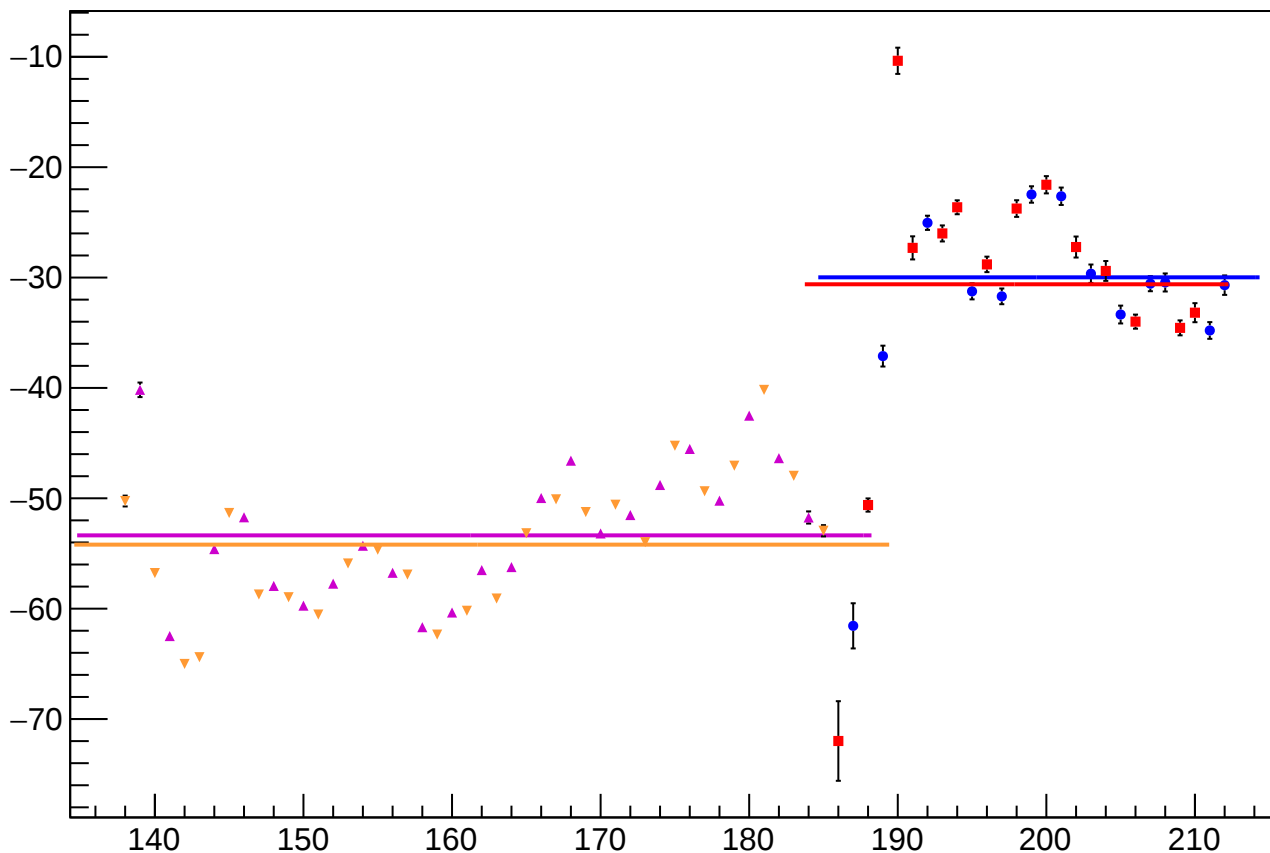
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 6.401 $\pm$ 0.066 χ^2 /NDF: 16371.9/37

All: 6.734 $\pm$ 0.046 χ^2 /NDF: 31854.8/74

- sign 7.061 $\pm$ 0.065 χ^2 /NDF: 15431.9/36

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -29.979 ± 0.220 χ^2/NDF : 610.9/12

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -30.609 ± 0.210 χ^2/NDF : 2017.1/13

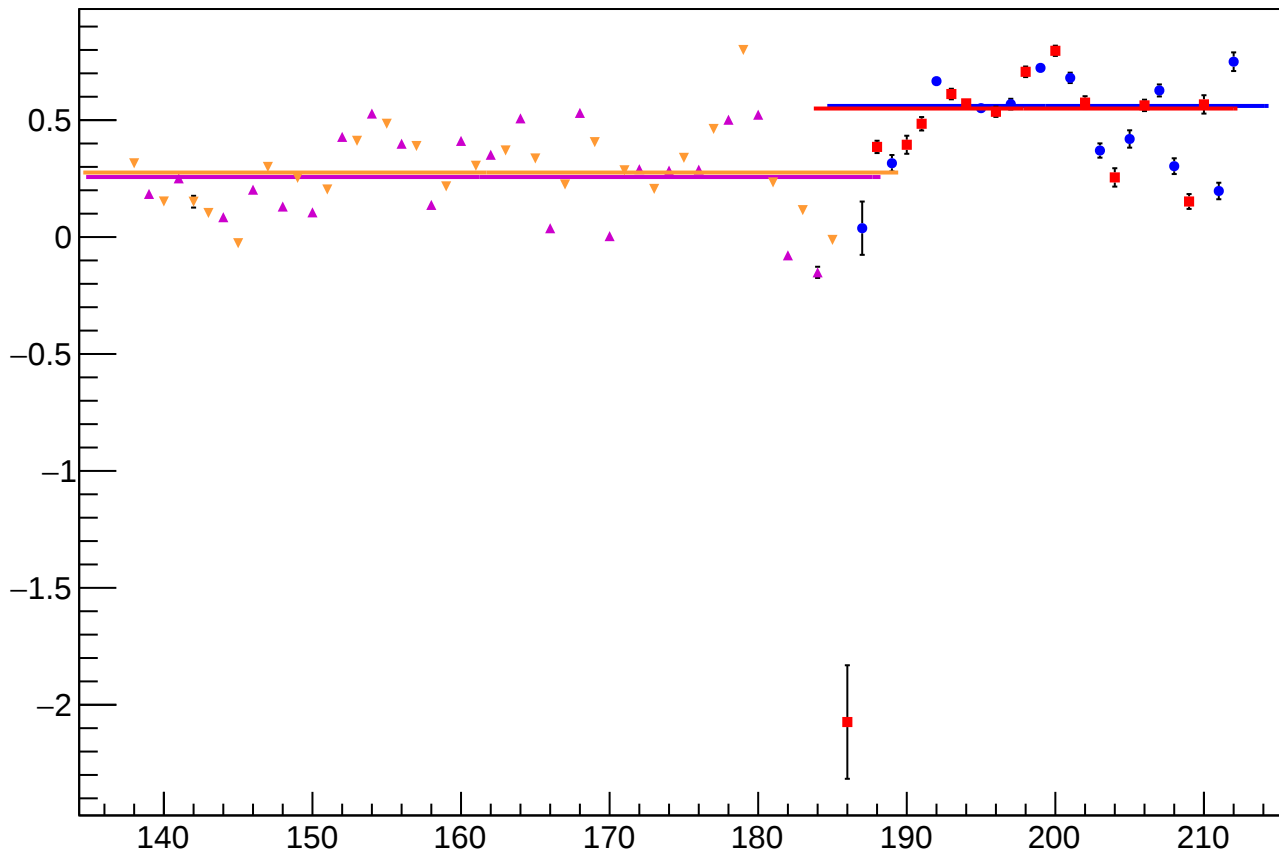
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -52.176 ± 0.064 χ^2/NDF : 20183.4/37

All: -51.688 ± 0.045 χ^2/NDF : 39790.5/74

- sign -51.176 ± 0.065 χ^2/NDF : 19486.5/36

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.561 ± 0.008 χ^2/NDF : 430.5/12

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.550 ± 0.007 χ^2/NDF : 574.9/13

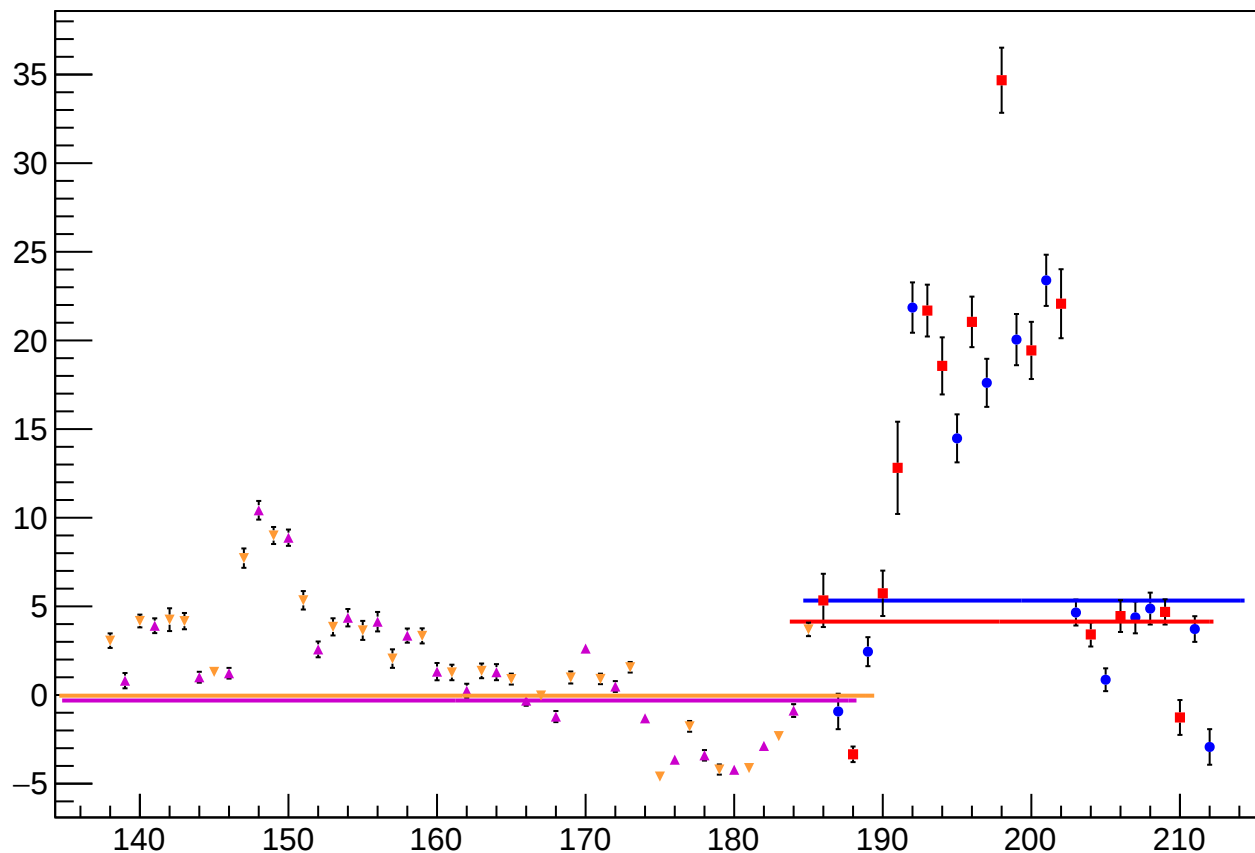
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.315 ± 0.003 χ^2/NDF : 4255.0/37

All: 0.309 ± 0.002 χ^2/NDF : 9882.0/74

- sign 0.303 ± 0.003 χ^2/NDF : 5618.4/36

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 5.327 ± 0.261 $\chi^2/\text{NDF}: 698.0/12$

Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$

Right Out: 4.141 ± 0.257 $\chi^2/\text{NDF}: 1152.3/13$

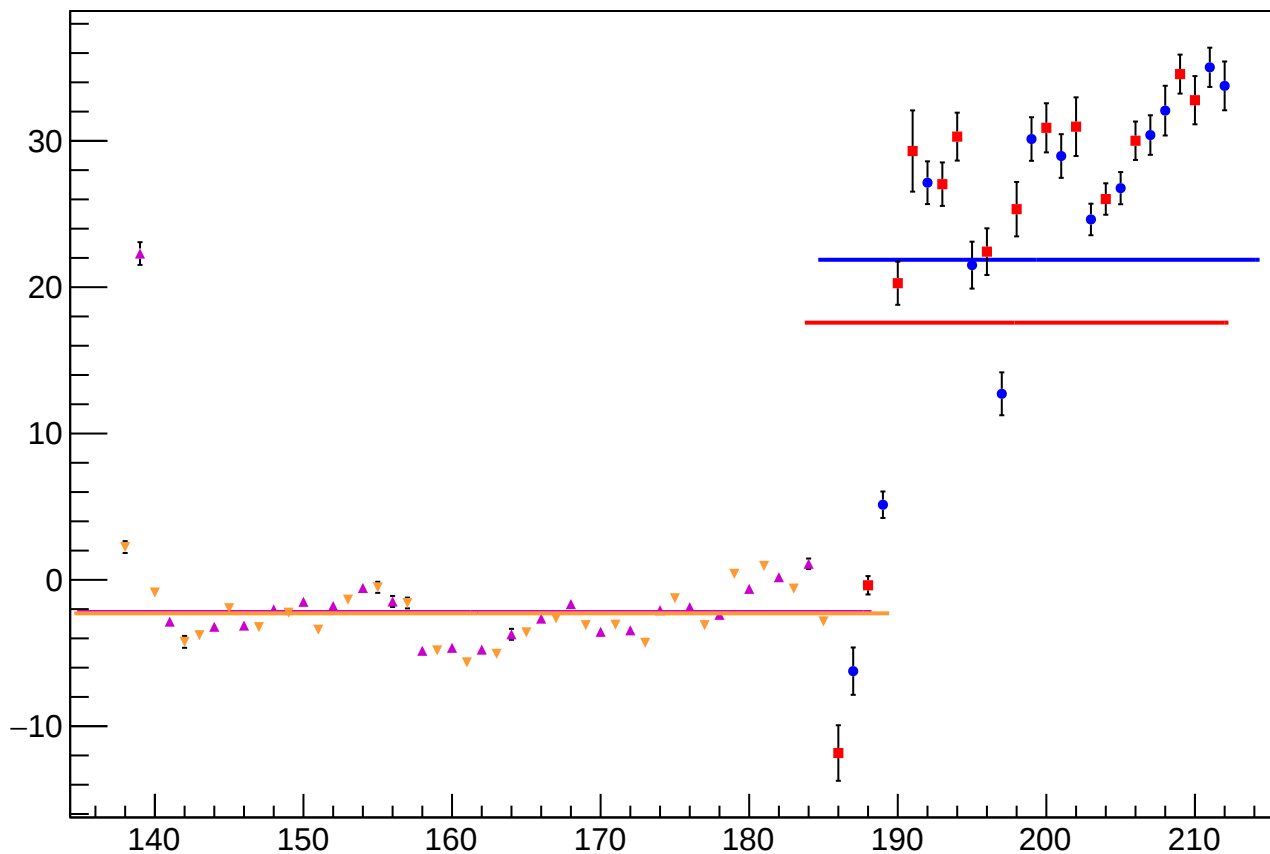
Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

+ sign 0.285 ± 0.064 $\chi^2/\text{NDF}: 3732.9/37$

All: 0.133 ± 0.046 $\chi^2/\text{NDF}: 7427.0/74$

- sign -0.025 ± 0.065 $\chi^2/\text{NDF}: 3682.6/36$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 21.874 ± 0.370 $\chi^2/\text{NDF}: 998.4/12$

Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$

Right Out: 17.577 ± 0.356 $\chi^2/\text{NDF}: 1712.8/13$

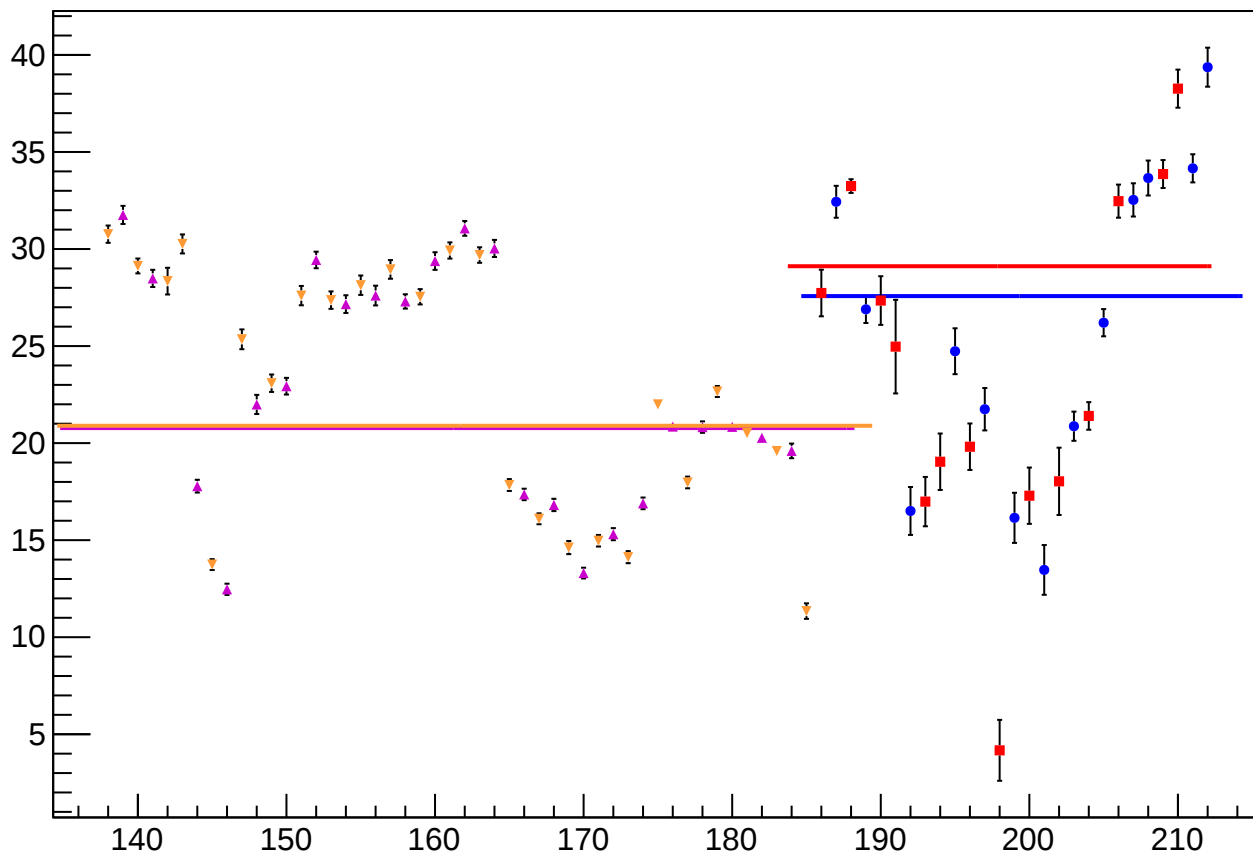
Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -1.780 ± 0.054 $\chi^2/\text{NDF}: 6321.2/37$

All: -1.758 ± 0.038 $\chi^2/\text{NDF}: 12722.5/74$

- sign -1.735 ± 0.054 $\chi^2/\text{NDF}: 6400.9/36$

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 27.575 ± 0.248 $\chi^2/\text{NDF}: 732.4/12$

Left Out: 20.894 ± 0.067 $\chi^2/\text{NDF}: 6655.4/24$

Right Out: 29.114 ± 0.231 $\chi^2/\text{NDF}: 965.2/13$

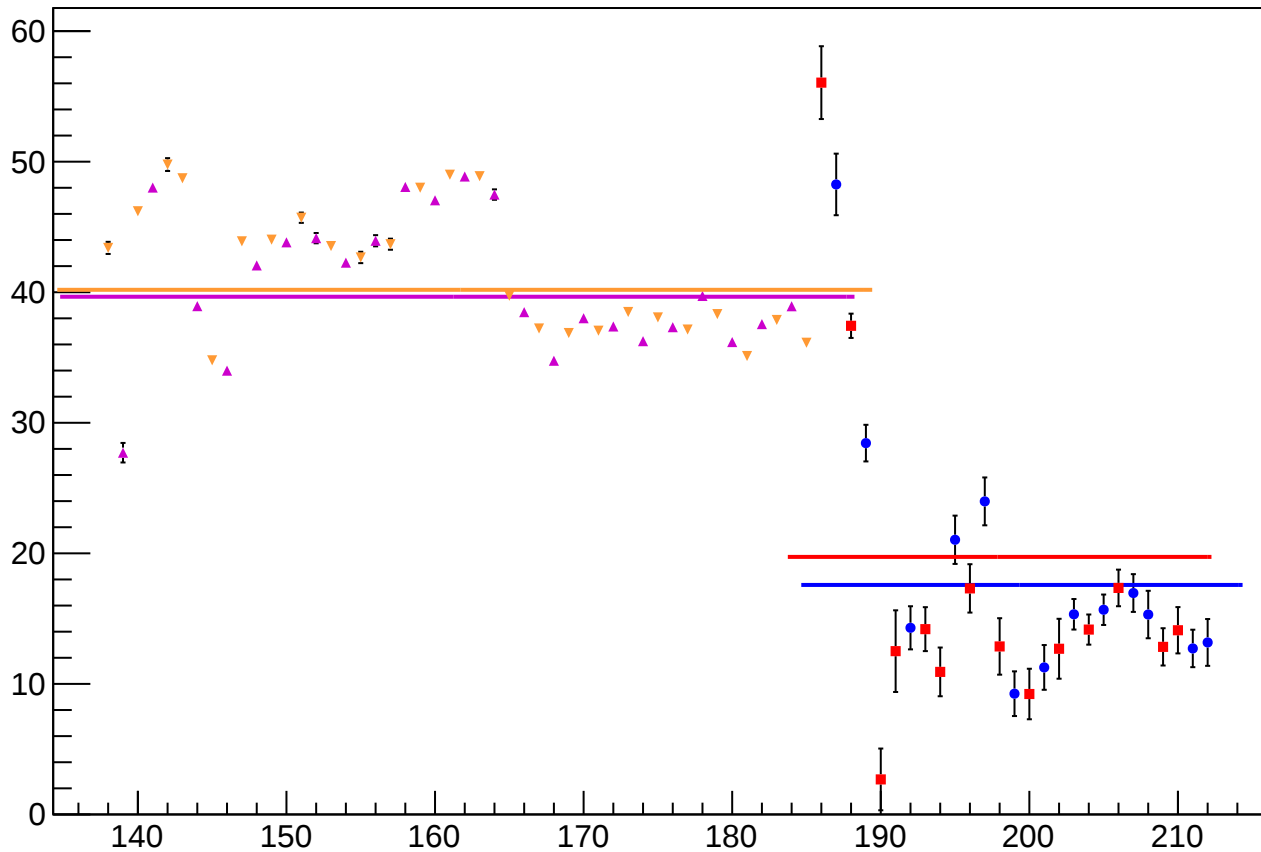
Left In: 20.774 ± 0.068 $\chi^2/\text{NDF}: 5927.9/22$

+ sign 21.343 ± 0.064 $\chi^2/\text{NDF}: 8062.1/37$

All: 21.388 ± 0.046 $\chi^2/\text{NDF}: 16160.7/74$

- sign 21.433 ± 0.065 $\chi^2/\text{NDF}: 8097.6/36$

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 17.580 ± 0.431 χ^2/NDF : 311.8/12

Left Out: 40.186 ± 0.060 χ^2/NDF : 5932.7/24

Right Out: 19.728 ± 0.437 χ^2/NDF : 732.4/13

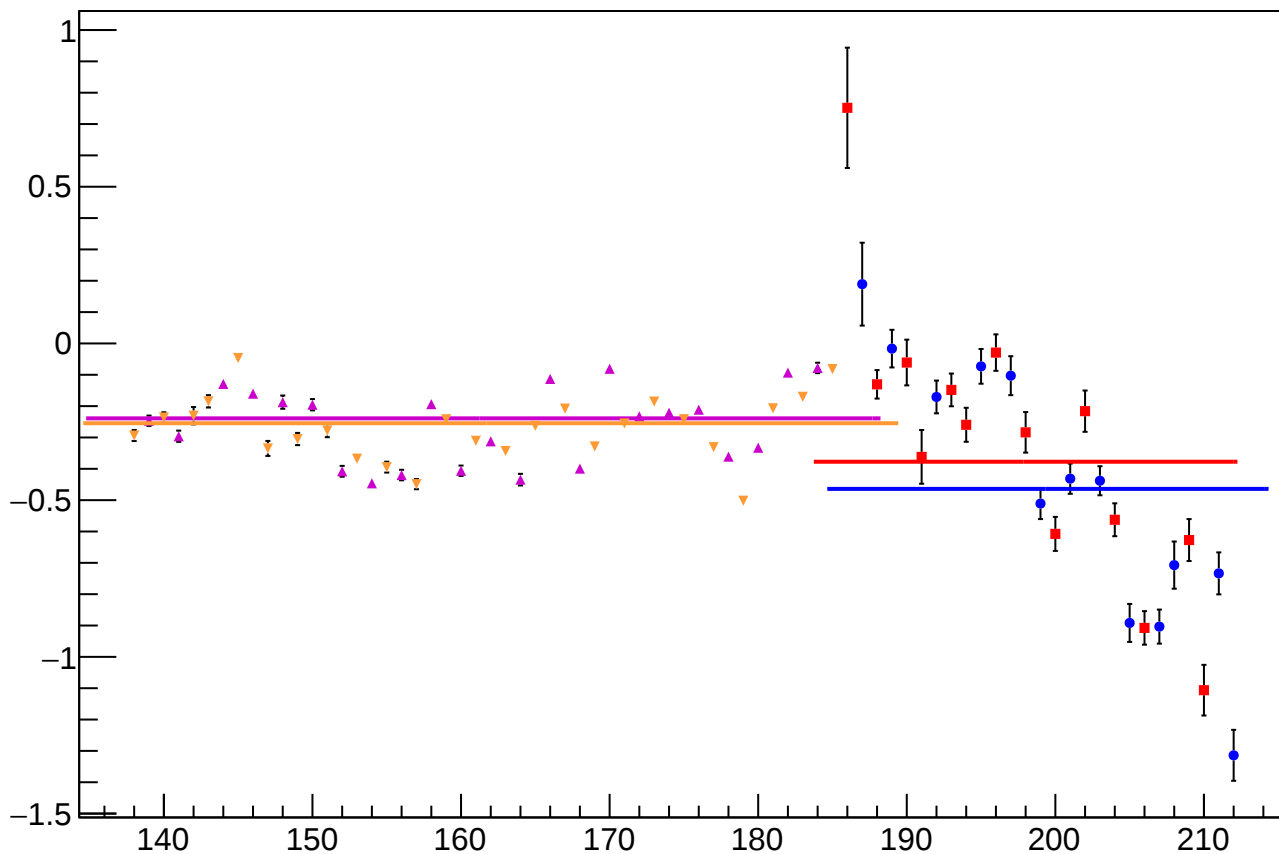
Left In: 39.655 ± 0.061 χ^2/NDF : 5298.6/22

+ sign 39.752 ± 0.060 χ^2/NDF : 8936.6/37

All: 39.514 ± 0.043 χ^2/NDF : 17038.2/74

- sign 39.269 ± 0.061 χ^2/NDF : 8069.6/36

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.464 ± 0.016 χ^2/NDF : 448.0/12

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.377 ± 0.016 χ^2/NDF : 374.8/13

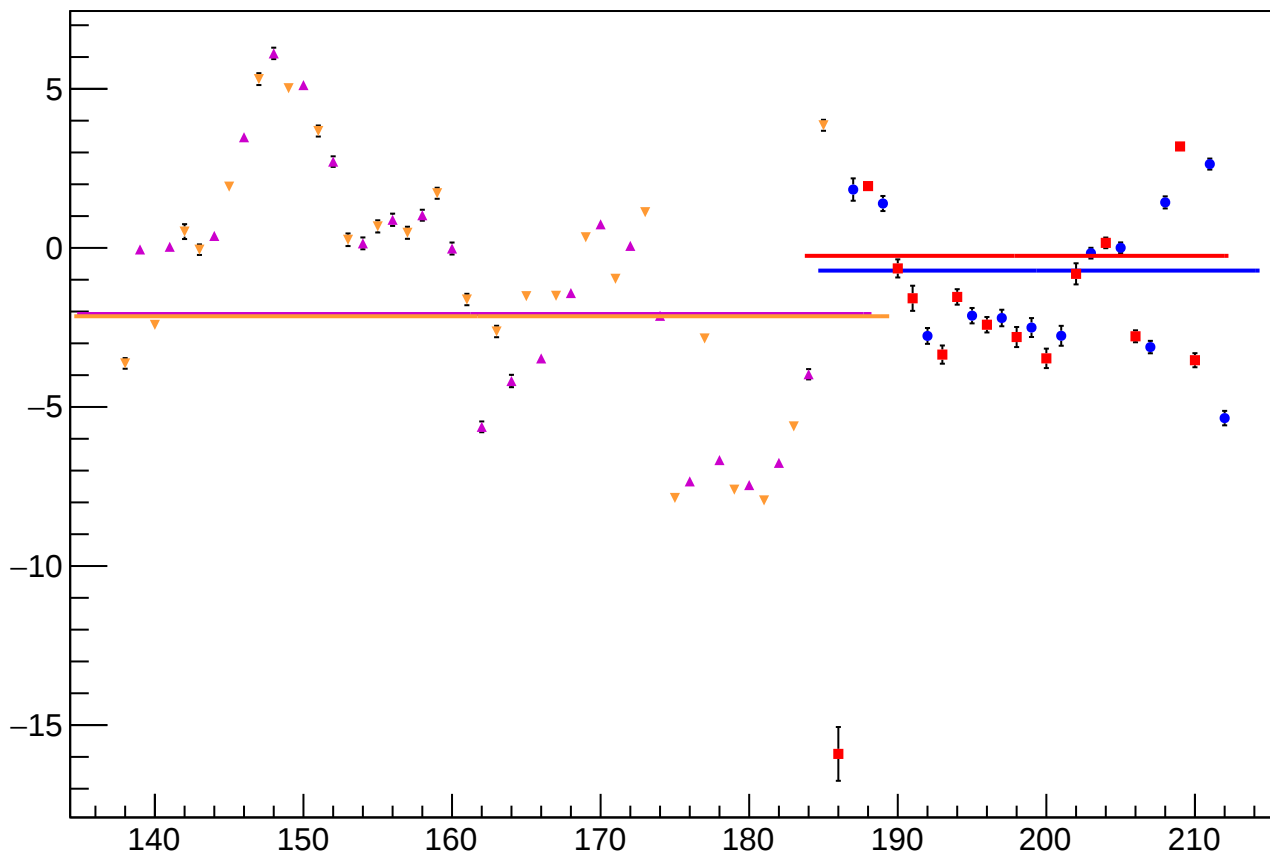
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.260 ± 0.003 χ^2/NDF : 2028.5/37

All: -0.252 ± 0.002 χ^2/NDF : 4243.7/74

- sign -0.243 ± 0.003 χ^2/NDF : 2194.8/36

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.713 ± 0.061 χ^2/NDF : 1440.0/12

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.249 ± 0.057 χ^2/NDF : 2042.4/13

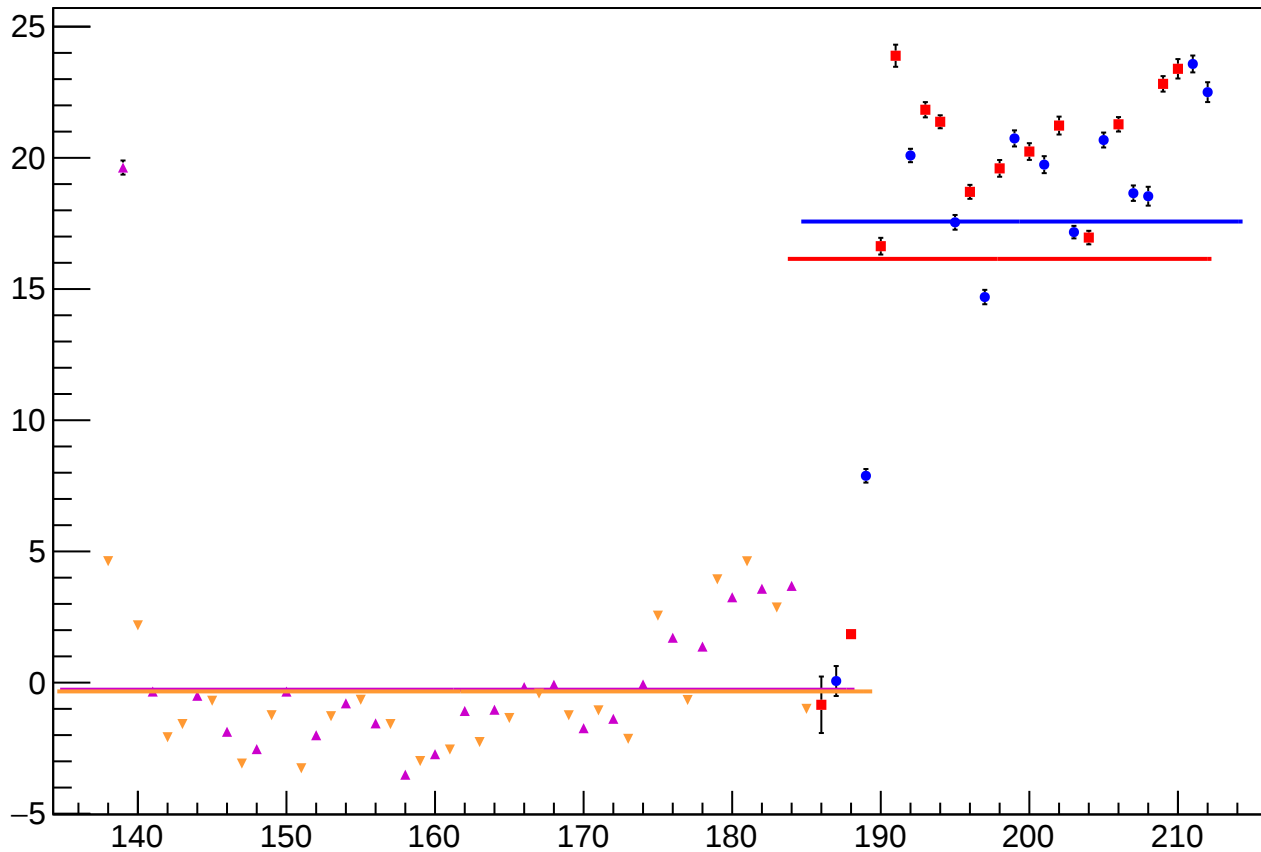
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -1.931 ± 0.024 χ^2/NDF : 26451.5/37

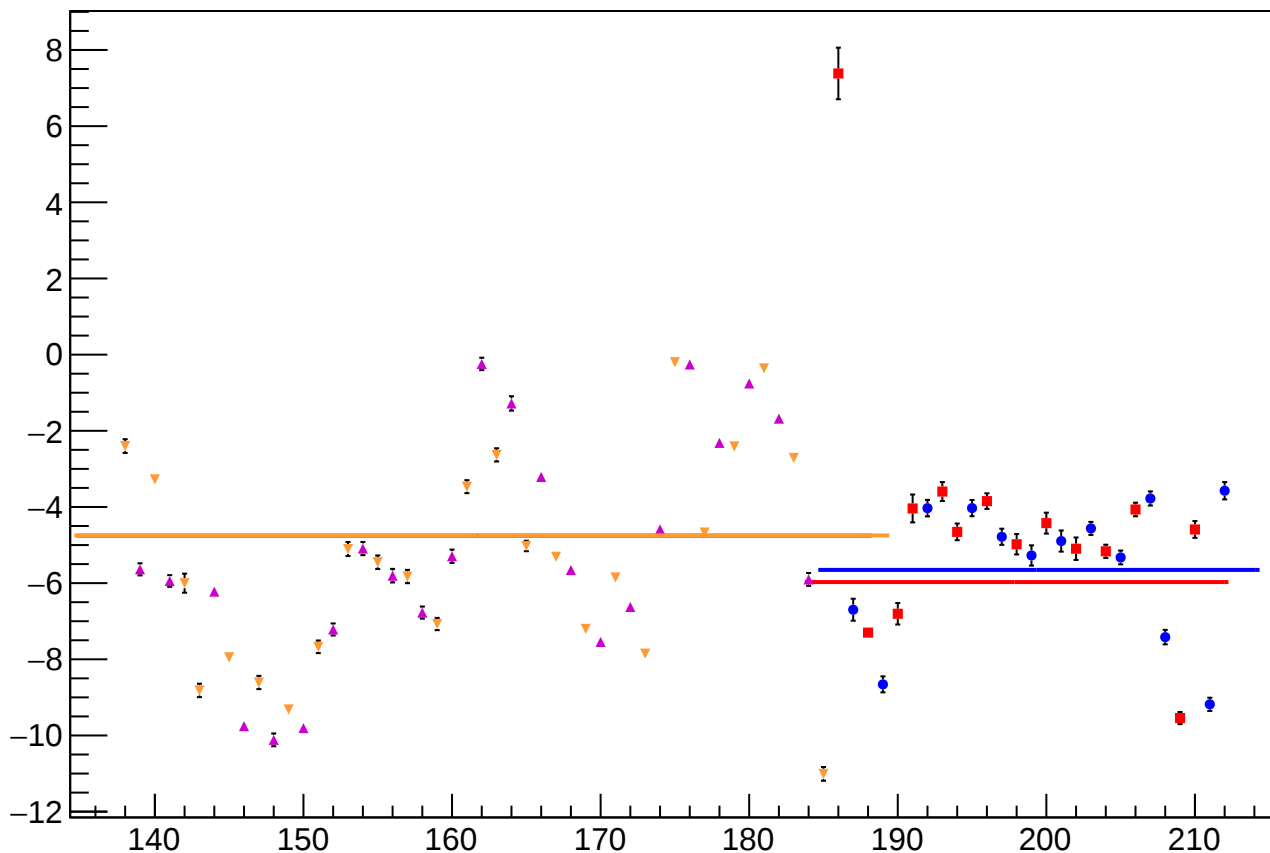
All: -1.849 ± 0.017 χ^2/NDF : 52606.1/74

- sign -1.765 ± 0.024 χ^2/NDF : 26130.0/36

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.652 ± 0.058 χ^2/NDF : 1083.5/12

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -5.972 ± 0.052 χ^2/NDF : 1611.1/13

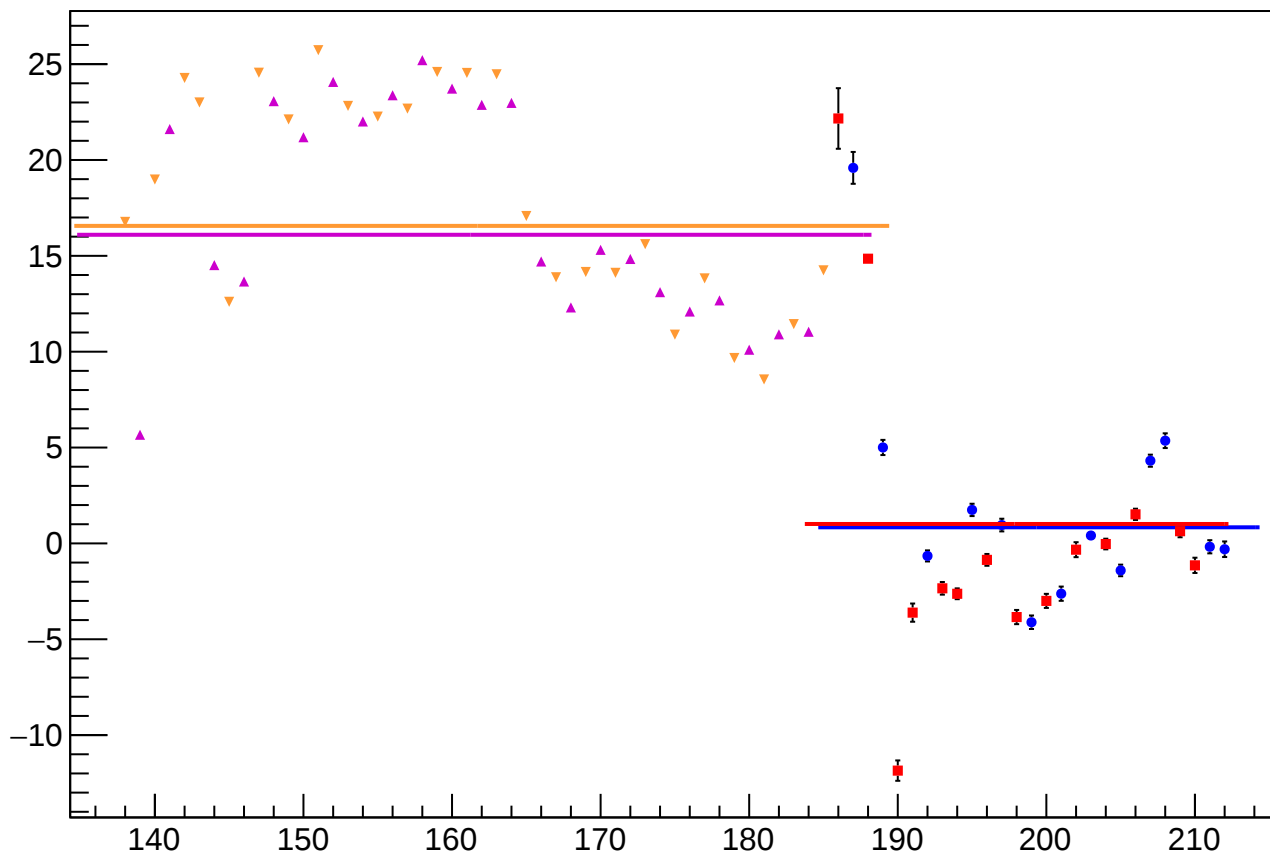
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.899 ± 0.024 χ^2/NDF : 14577.7/37

All: -4.950 ± 0.017 χ^2/NDF : 30757.7/74

- sign -5.000 ± 0.023 χ^2/NDF : 16170.7/36

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.839 ± 0.095 χ^2/NDF : 1273.0/12

Left Out: 16.563 ± 0.023 χ^2/NDF : 53858.5/24

Right Out: 1.013 ± 0.091 χ^2/NDF : 5016.6/13

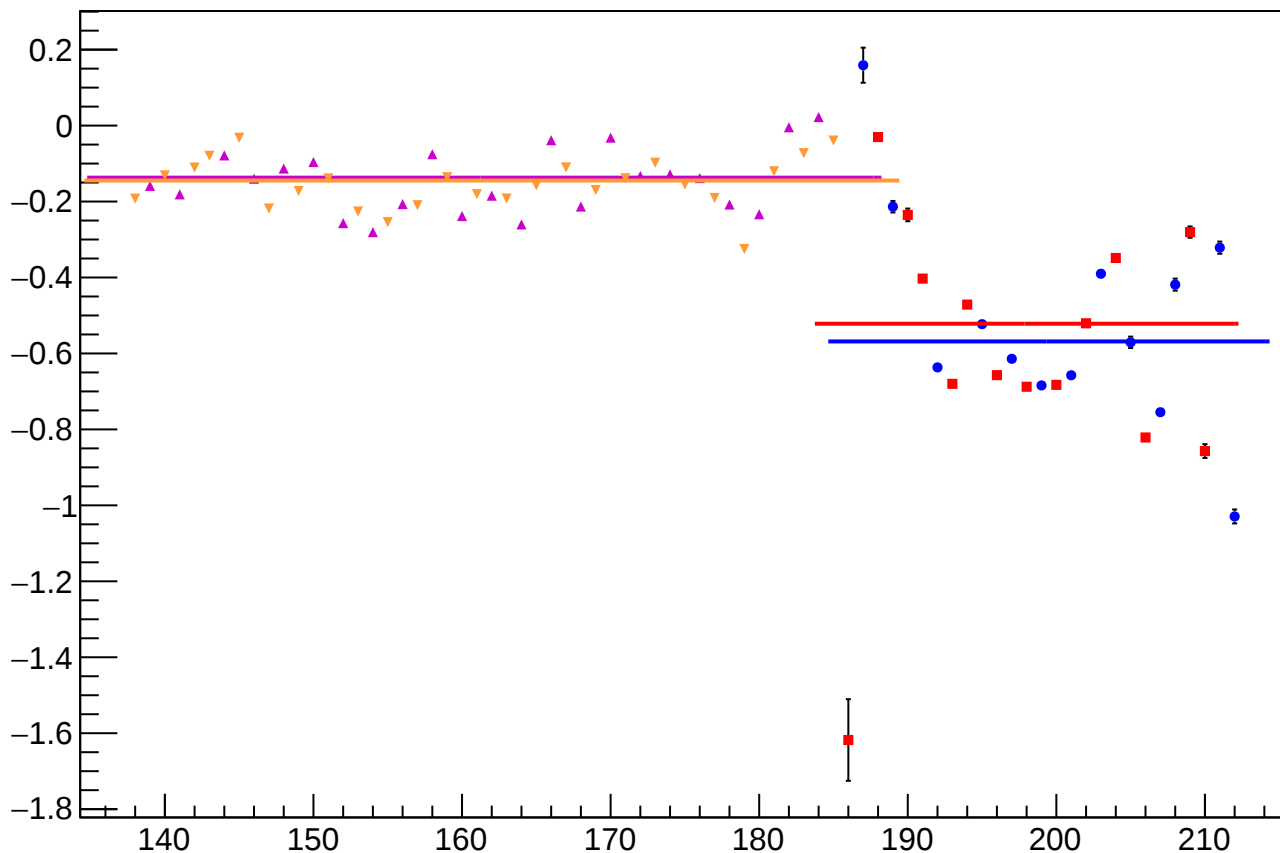
Left In: 16.098 ± 0.024 χ^2/NDF : 42345.7/22

+ sign 15.681 ± 0.022 χ^2/NDF : 81020.9/37

All: 15.419 ± 0.016 χ^2/NDF : 154444.3/74

- sign 15.149 ± 0.023 χ^2/NDF : 73148.5/36

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.568 ± 0.003 χ^2/NDF : 2638.4/12

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.522 ± 0.003 χ^2/NDF : 5178.7/13

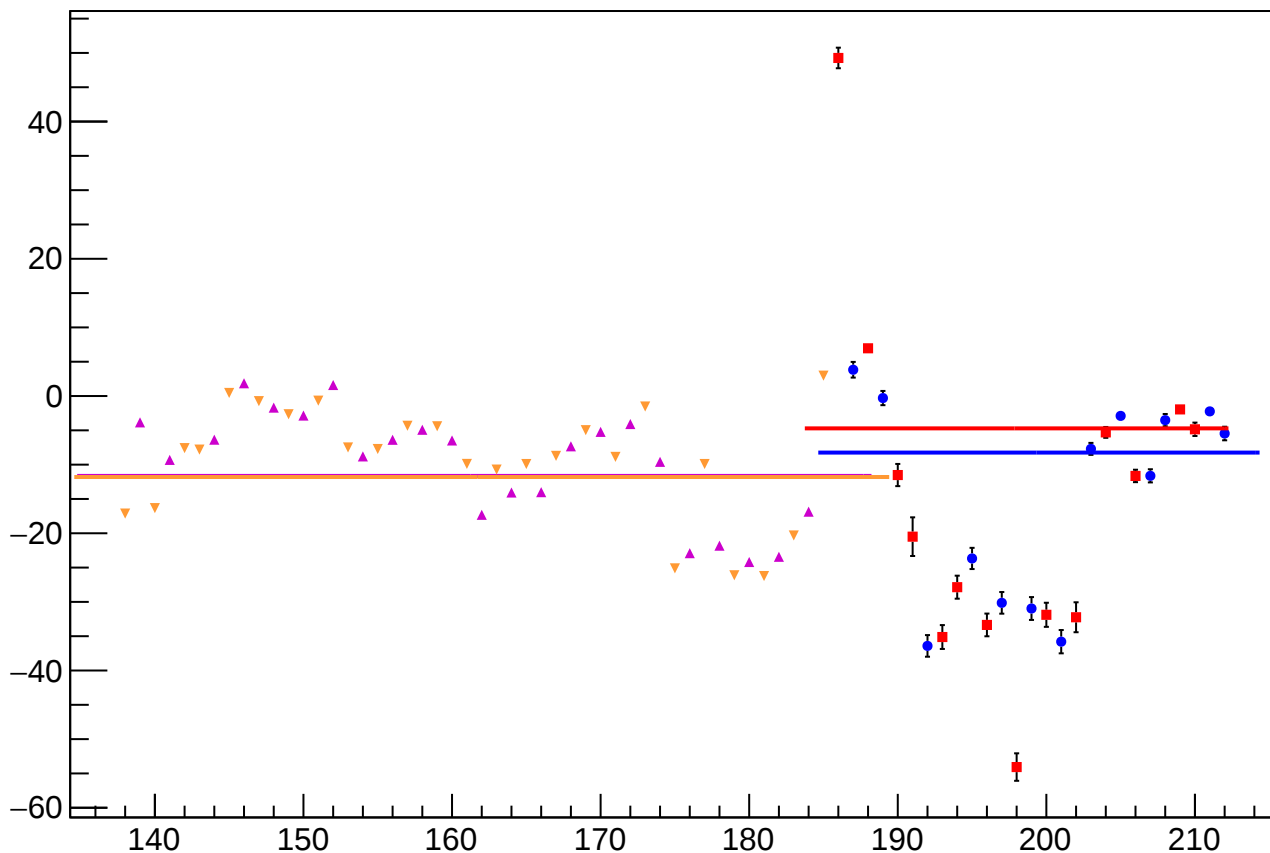
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.183 ± 0.001 χ^2/NDF : 20886.9/37

All: -0.180 ± 0.001 χ^2/NDF : 44964.3/74

- sign -0.177 ± 0.001 χ^2/NDF : 24063.8/36

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -8.241 ± 0.287 $\chi^2/\text{NDF}: 1405.7/12$

Left Out: -11.801 ± 0.070 $\chi^2/\text{NDF}: 17308.2/24$

Right Out: -4.714 ± 0.288 $\chi^2/\text{NDF}: 3692.7/13$

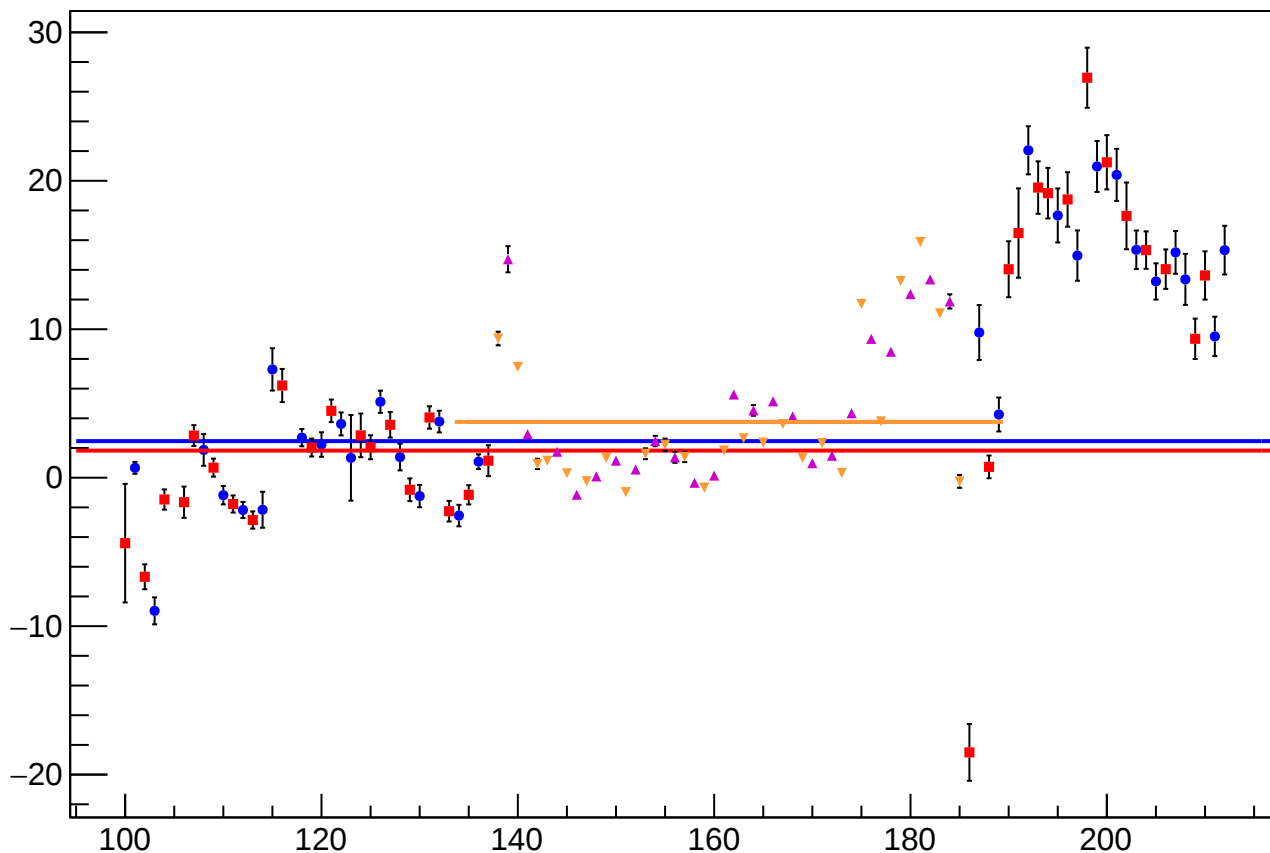
Left In: -11.642 ± 0.072 $\chi^2/\text{NDF}: 14121.2/22$

+ sign -11.599 ± 0.068 $\chi^2/\text{NDF}: 18859.3/37$

All: -11.423 ± 0.049 $\chi^2/\text{NDF}: 37230.9/74$

- sign -11.240 ± 0.069 $\chi^2/\text{NDF}: 18357.9/36$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.463 ± 0.158 $\chi^2/\text{NDF}: 1306.2/29$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 1.825 ± 0.160 $\chi^2/\text{NDF}: 1426.0/32$

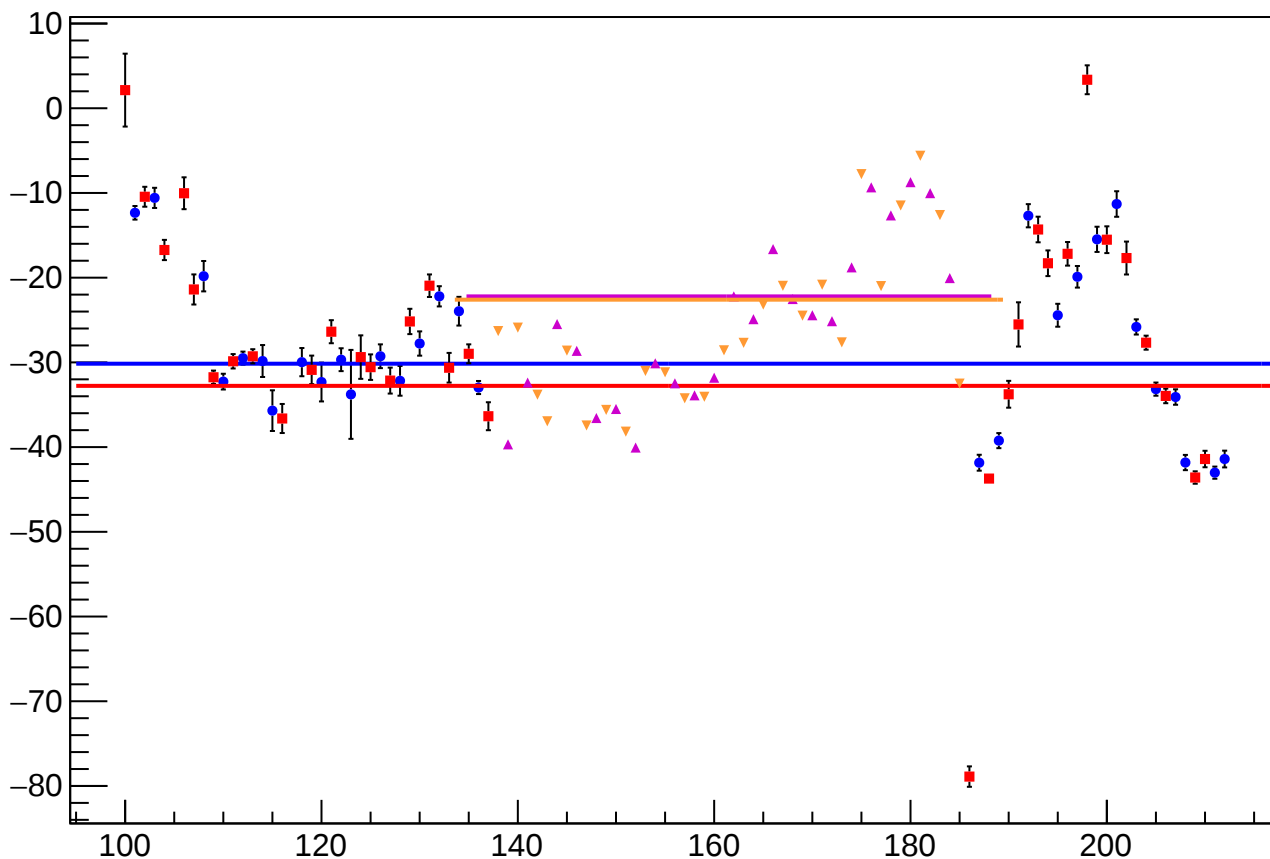
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.614 ± 0.052 $\chi^2/\text{NDF}: 8816.8/54$

All: 3.579 ± 0.037 $\chi^2/\text{NDF}: 16002.1/110$

- sign 3.543 ± 0.053 $\chi^2/\text{NDF}: 7184.4/55$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -30.156 ± 0.203 χ^2/NDF : 2317.8/29

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -32.770 ± 0.196 χ^2/NDF : 4419.6/32

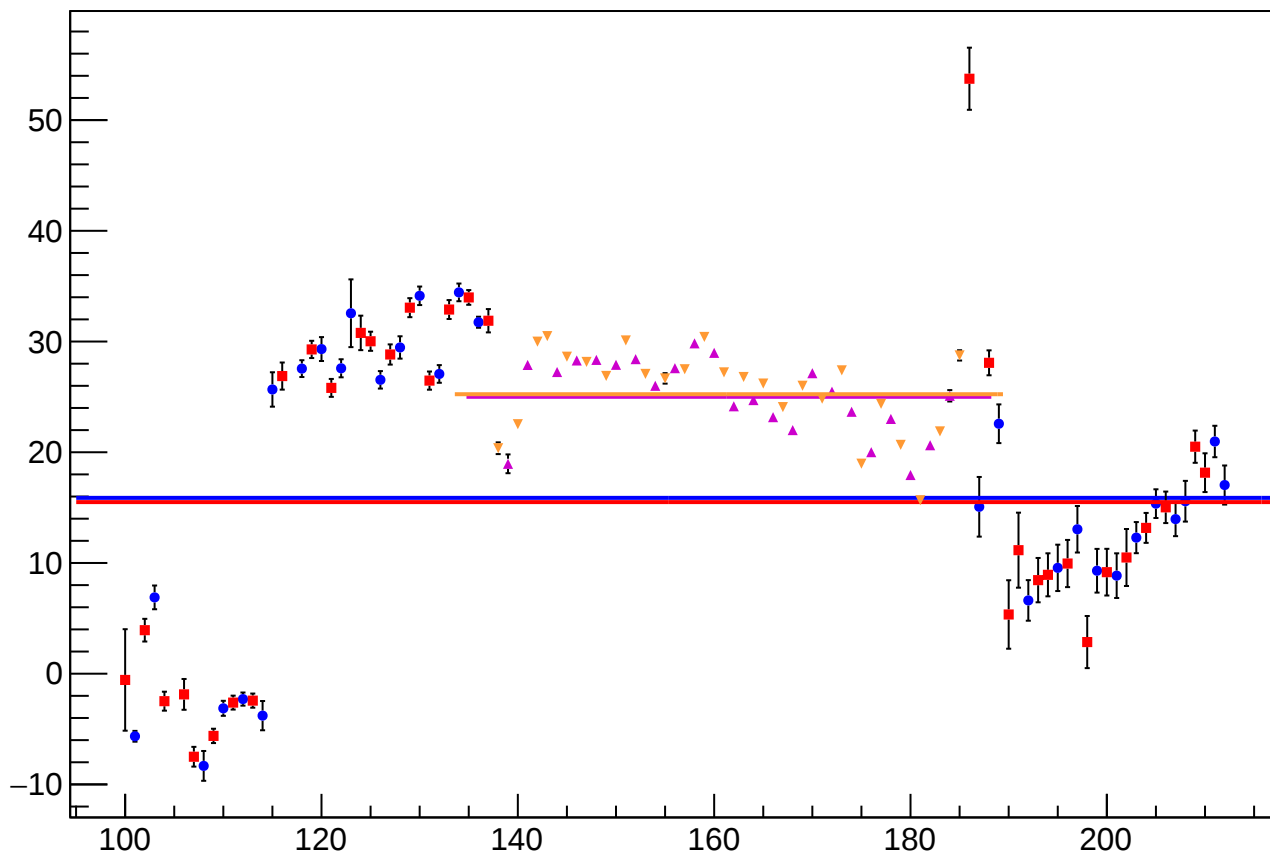
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -23.417 ± 0.067 χ^2/NDF : 23489.7/54

All: -23.432 ± 0.047 χ^2/NDF : 48089.6/110

- sign -23.448 ± 0.067 χ^2/NDF : 24599.8/55

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.881+/-0.179 χ^2 /NDF: 7639.6/29

Left Out: 25.242+/-0.063 χ^2 /NDF:3786.5/24

Right Out: 15.498+/-0.183 χ^2 /NDF: 7675.3/32

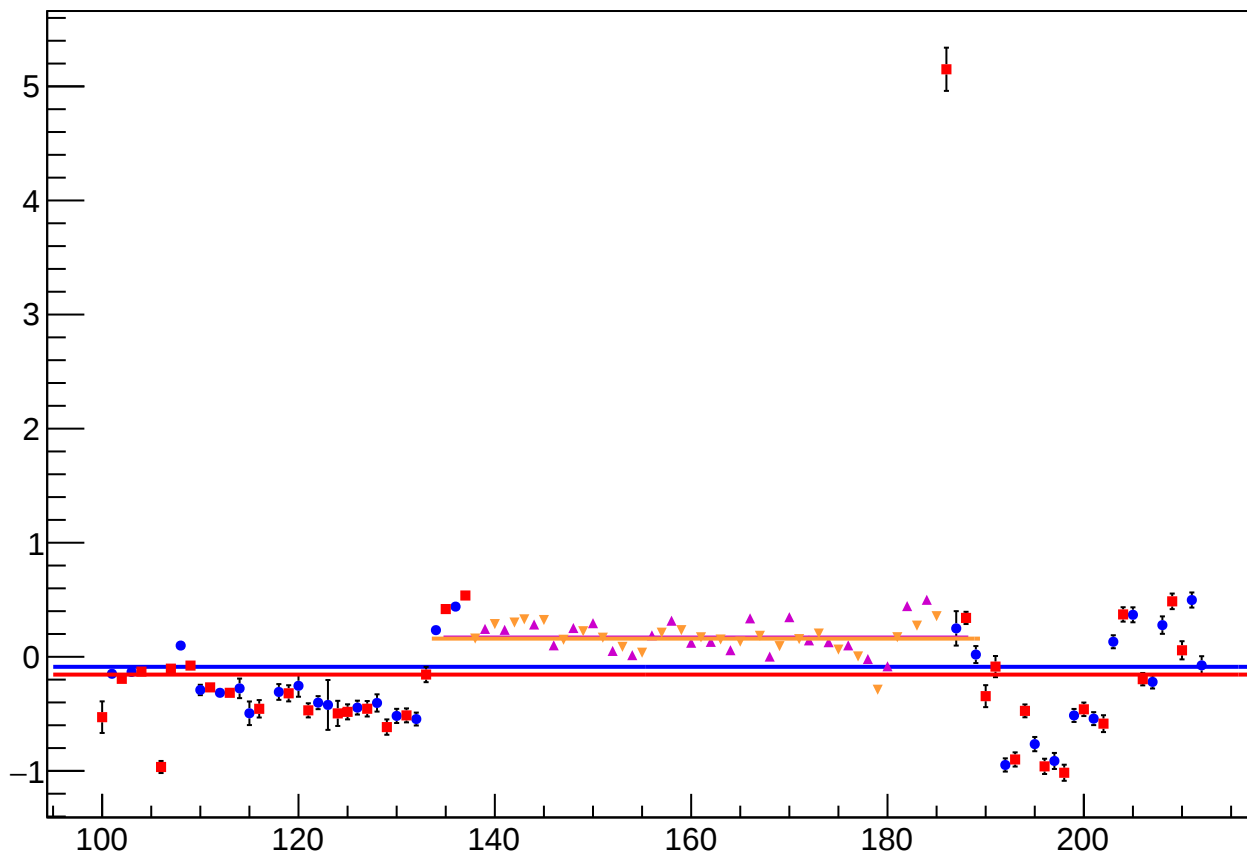
Left In: 25.009+/-0.064 χ^2 /NDF:2722.0/22

+ sign 24.217+/-0.059 χ^2 /NDF: 13873.5/54

All: 24.098+/-0.042 χ^2 /NDF: 26690.9/110

- sign 23.975+/-0.060 χ^2 /NDF: 12809.2/55

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.088 ± 0.009 χ^2/NDF : 1809.7/29

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.156 ± 0.009 χ^2/NDF : 2734.7/32

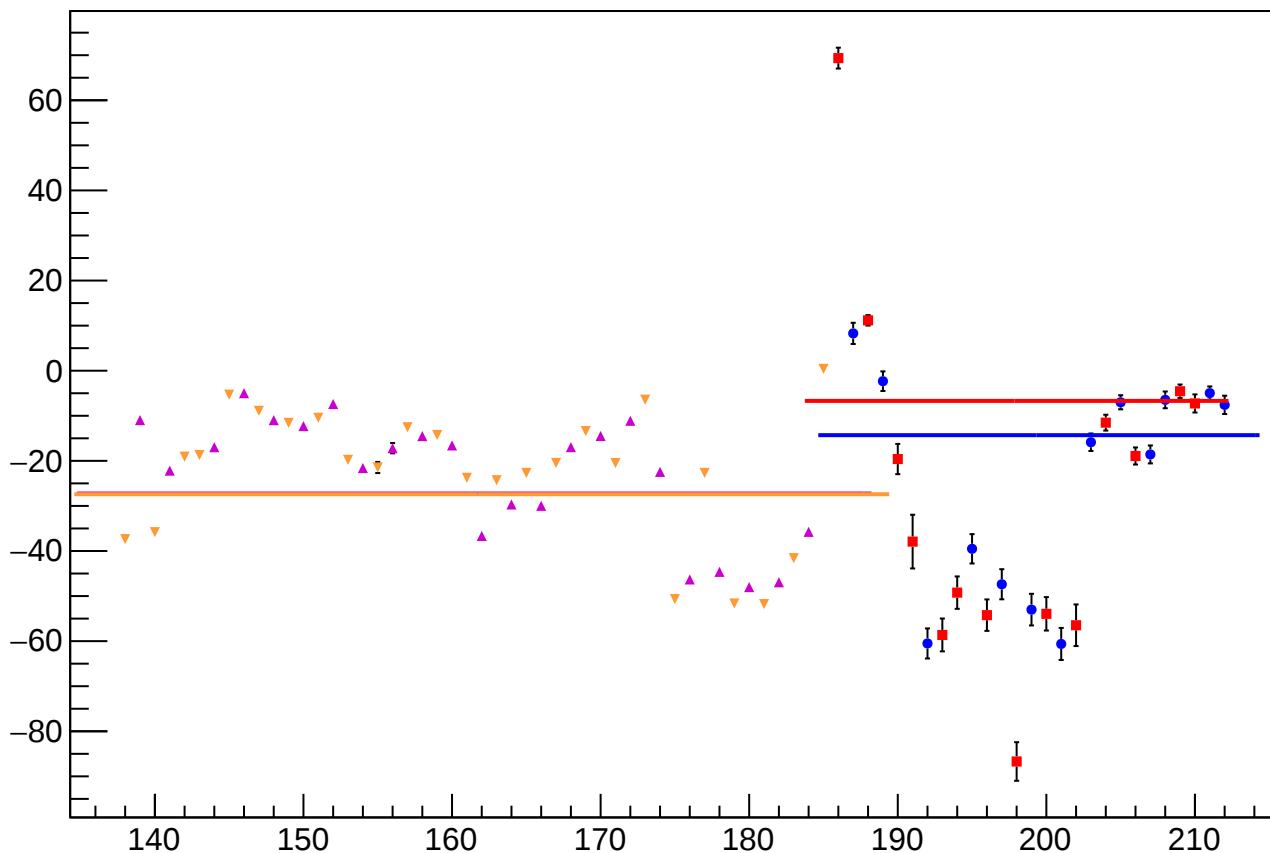
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.137 ± 0.003 χ^2/NDF : 4358.7/54

All: 0.137 ± 0.002 χ^2/NDF : 10687.5/110

- sign 0.138 ± 0.003 χ^2/NDF : 6328.6/55

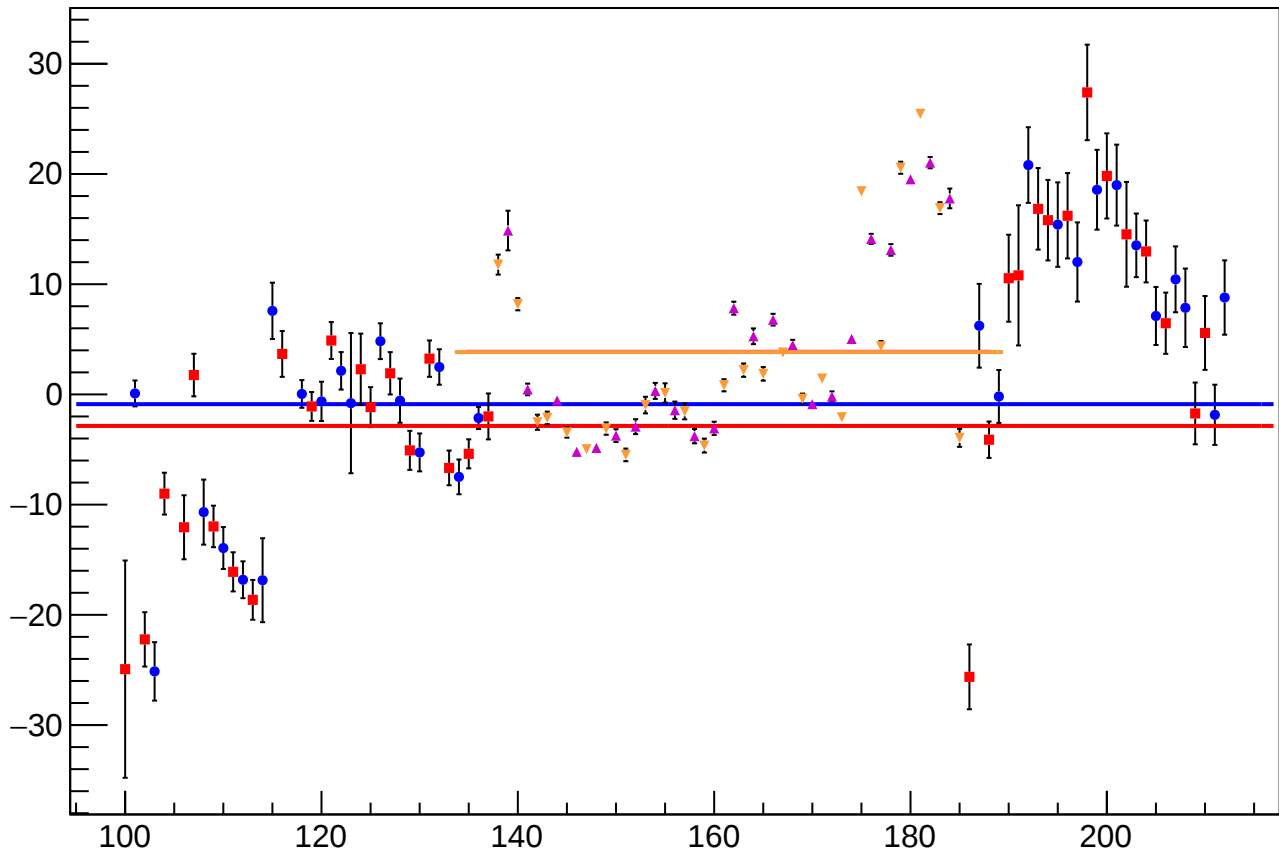
reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -14.302 ± 0.604 $\chi^2/\text{NDF}: 859.4/12$
 Left Out: -27.408 ± 0.137 $\chi^2/\text{NDF}: 14850.5/24$
 Right Out: -6.696 ± 0.603 $\chi^2/\text{NDF}: 2563.7/13$
 Left In: -27.243 ± 0.139 $\chi^2/\text{NDF}: 11305.2/22$

+ sign -26.767 ± 0.133 $\chi^2/\text{NDF}: 16158.2/37$
 All: -26.489 ± 0.095 $\chi^2/\text{NDF}: 31138.7/74$
 - sign -26.201 ± 0.136 $\chi^2/\text{NDF}: 14971.7/36$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -0.884 ± 0.373 $\chi^2/\text{NDF}: 503.5/29$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -2.859 ± 0.381 $\chi^2/\text{NDF}: 617.4/32$

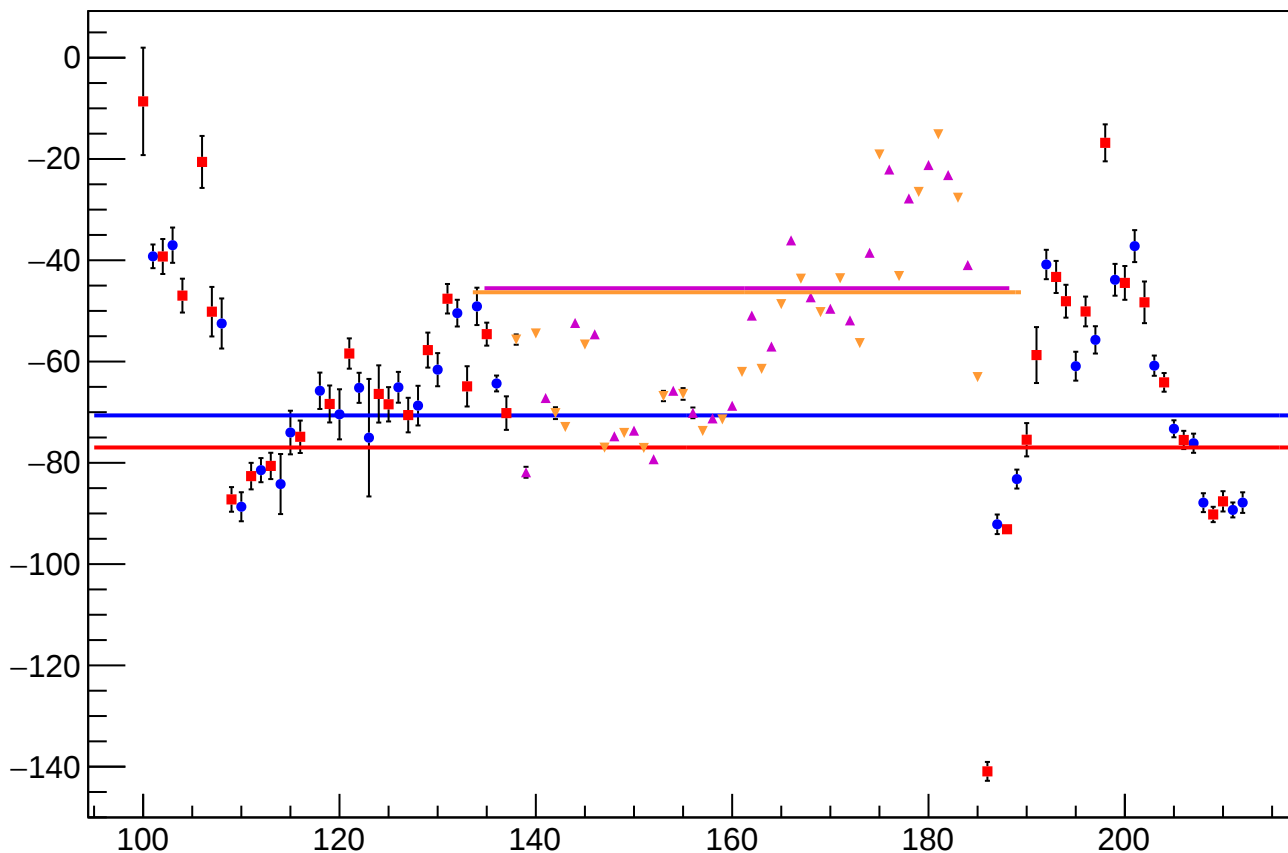
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.467 ± 0.105 $\chi^2/\text{NDF}: 7590.8/54$

All: 3.403 ± 0.075 $\chi^2/\text{NDF}: 13920.7/110$

- sign 3.337 ± 0.107 $\chi^2/\text{NDF}: 6329.2/55$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -70.636 ± 0.455 $\chi^2/\text{NDF}: 1332.0/29$

Left Out: -46.318 ± 0.138 $\chi^2/\text{NDF}: 20134.6/24$

Right Out: -76.966 ± 0.441 $\chi^2/\text{NDF}: 3049.1/32$

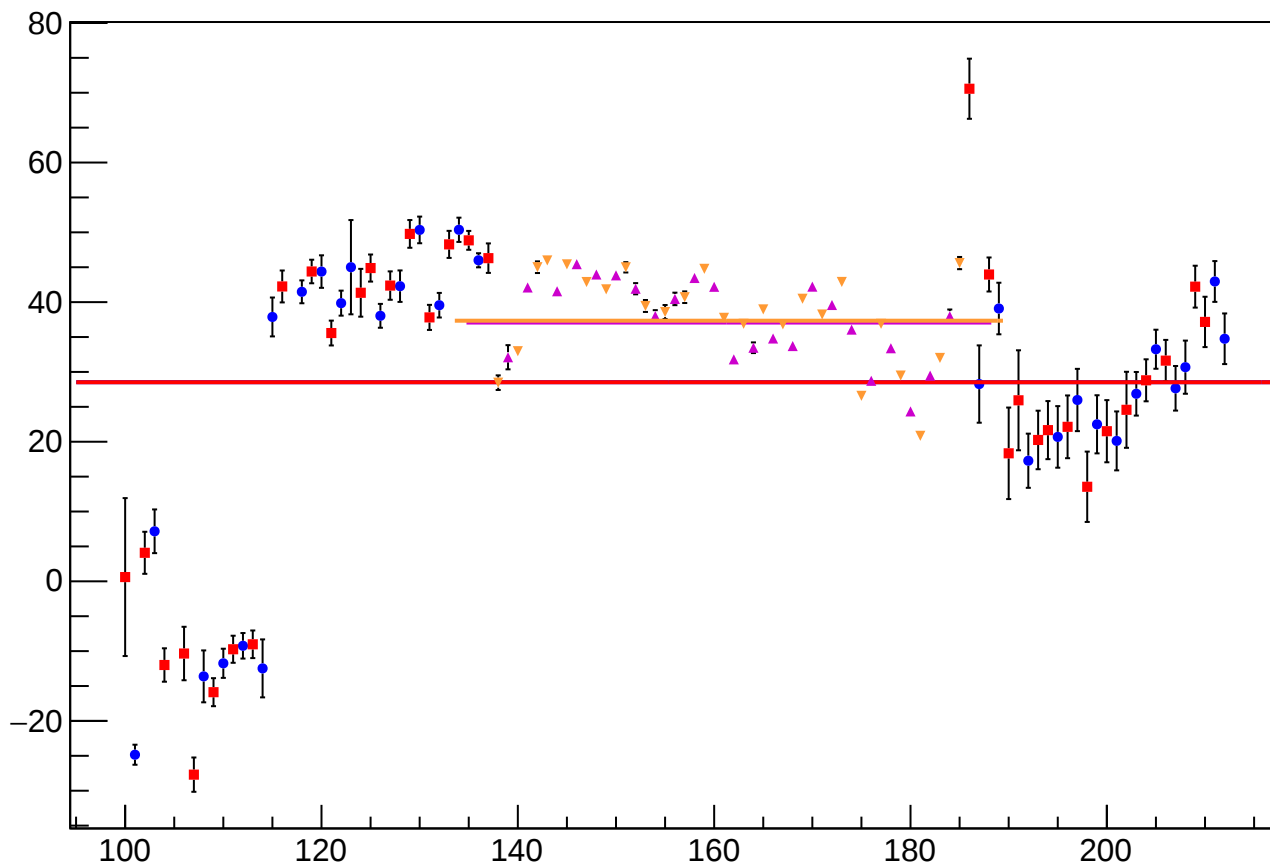
Left In: -45.522 ± 0.140 $\chi^2/\text{NDF}: 17525.4/22$

+ sign -48.362 ± 0.132 $\chi^2/\text{NDF}: 24079.9/54$

All: -48.376 ± 0.094 $\chi^2/\text{NDF}: 49273.0/110$

- sign -48.390 ± 0.133 $\chi^2/\text{NDF}: 25193.1/55$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.529 $\pm$ 0.419 χ^2 /NDF: 3368.2/29

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.523 $\pm$ 0.434 χ^2 /NDF: 3223.0/32

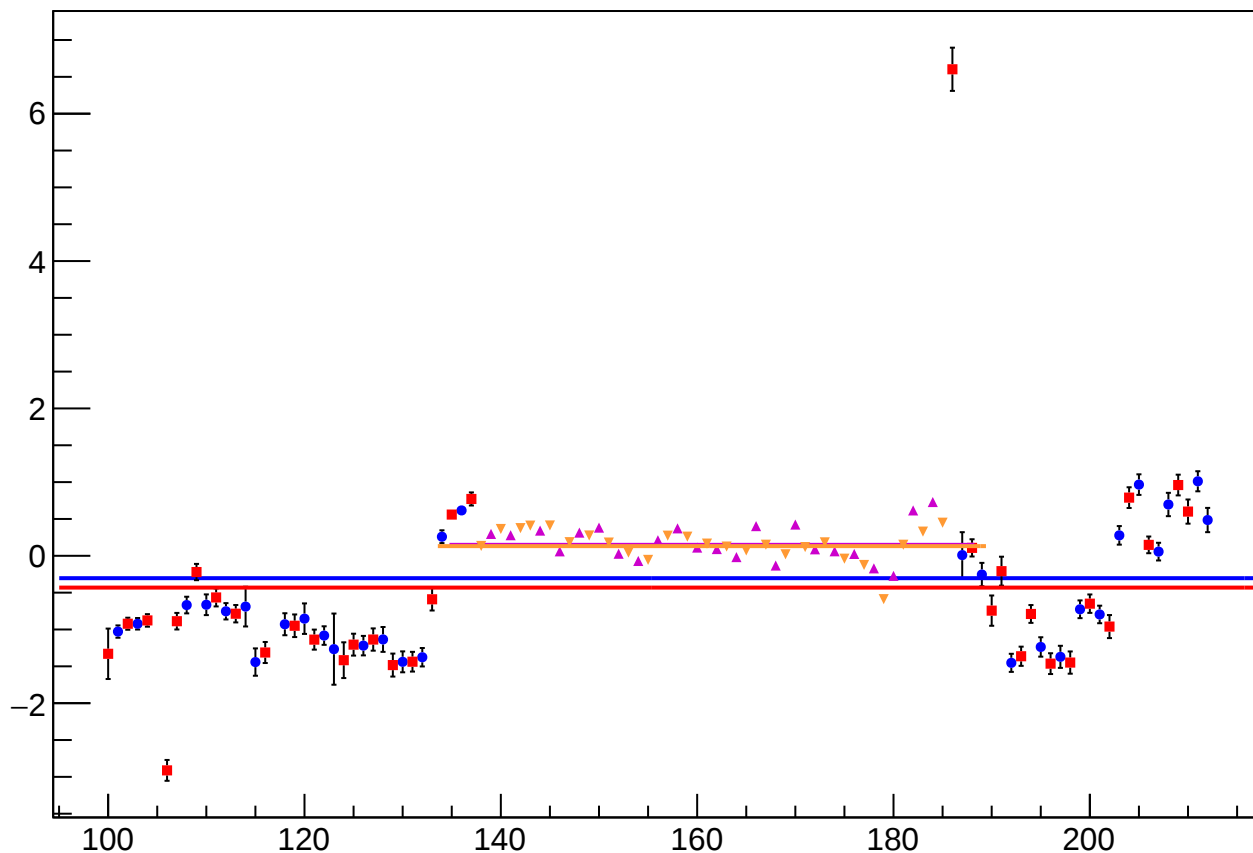
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.643 $\pm$ 0.118 χ^2 /NDF: 6923.9/54

All: 36.532 $\pm$ 0.084 χ^2 /NDF: 12904.6/110

- sign 36.417 $\pm$ 0.120 χ^2 /NDF: 5978.9/55

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.304 ± 0.021 χ^2/NDF : 1498.7/29

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.431 ± 0.021 χ^2/NDF : 2182.1/32

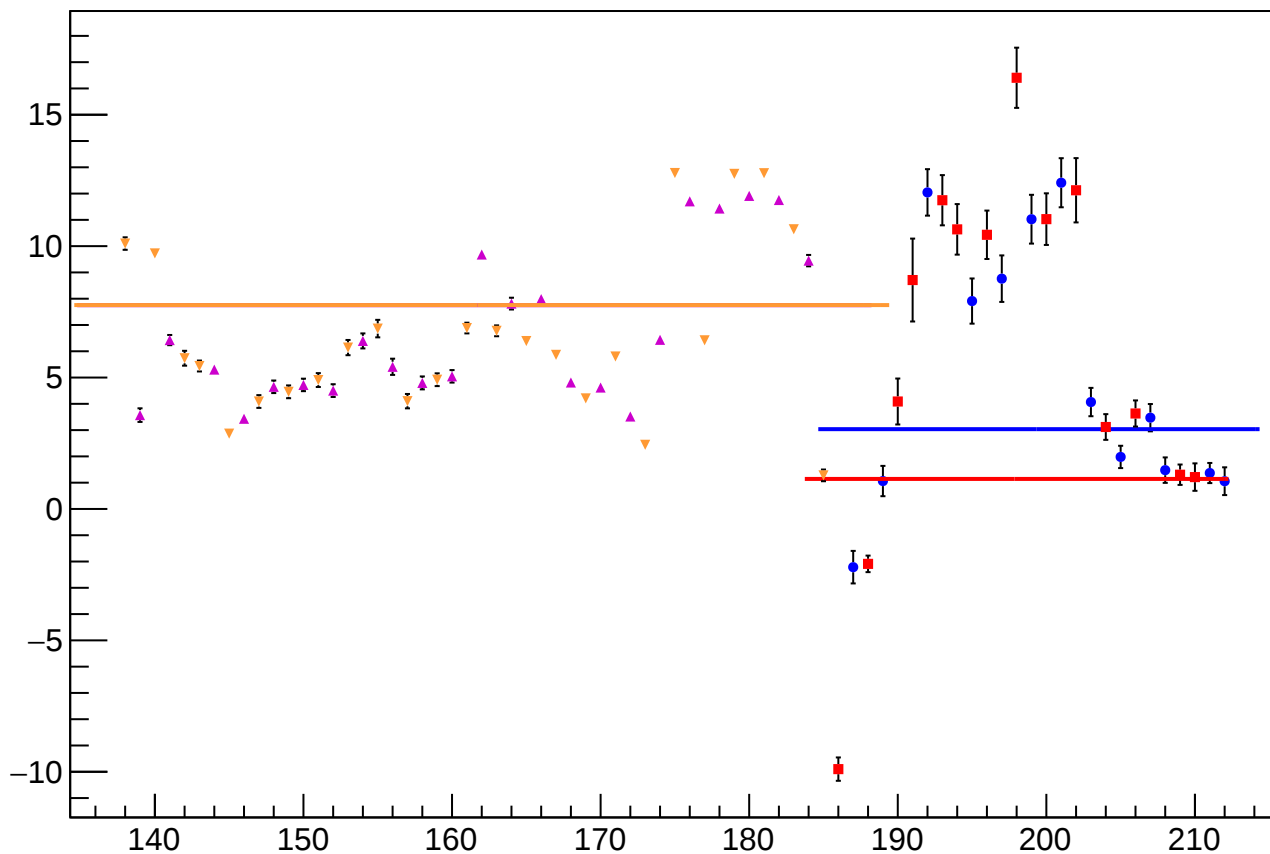
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.102 ± 0.005 χ^2/NDF : 3326.5/54

All: 0.106 ± 0.004 χ^2/NDF : 7998.2/110

- sign 0.110 ± 0.006 χ^2/NDF : 4670.6/55

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 3.036 ± 0.160 $\chi^2/\text{NDF}: 490.3/12$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: 1.143 ± 0.156 $\chi^2/\text{NDF}: 1481.2/13$

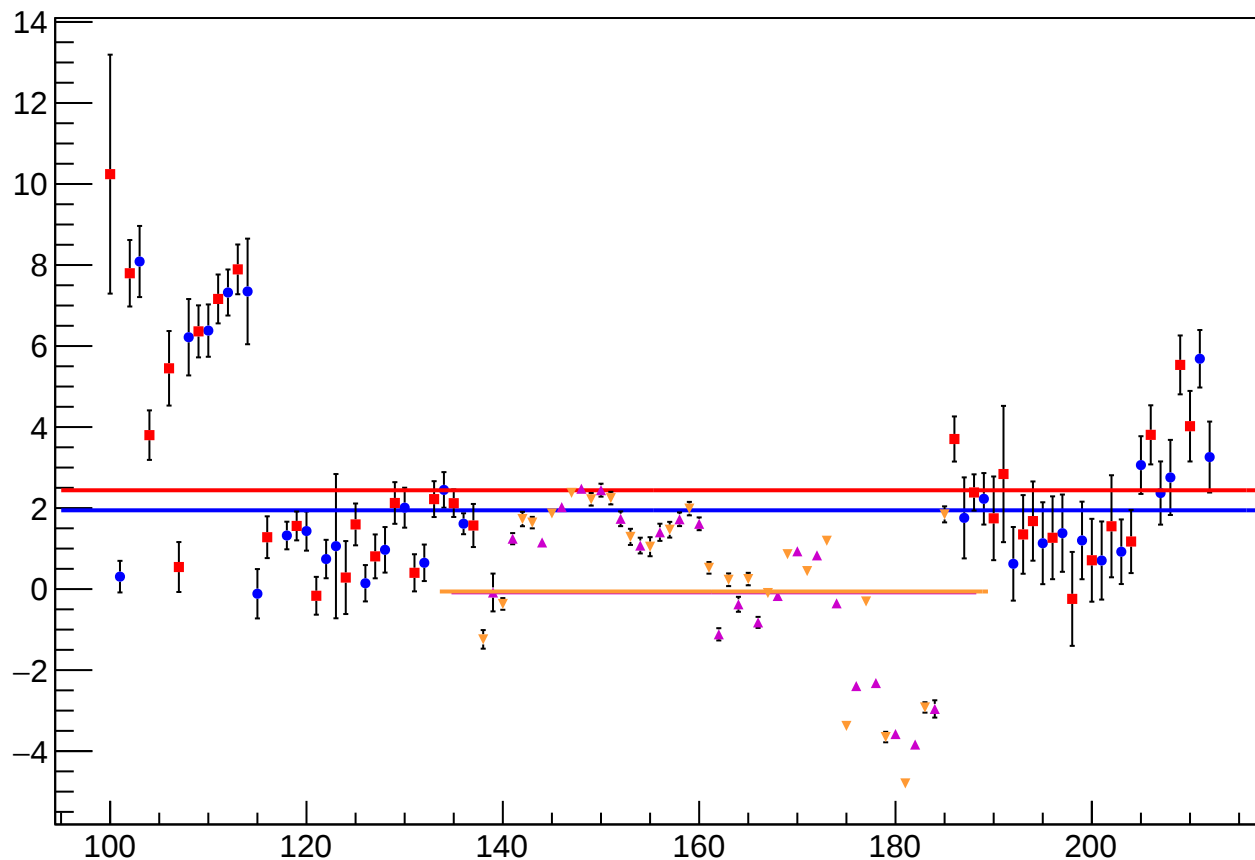
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.549 ± 0.034 $\chi^2/\text{NDF}: 13053.8/37$

All: 7.492 ± 0.024 $\chi^2/\text{NDF}: 24601.4/74$

- sign 7.434 ± 0.034 $\chi^2/\text{NDF}: 11541.9/36$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.945 ± 0.105 $\chi^2/\text{NDF}: 334.7/29$

Left Out: -0.059 ± 0.028 $\chi^2/\text{NDF}: 6068.8/24$

Right Out: 2.439 ± 0.107 $\chi^2/\text{NDF}: 381.0/32$

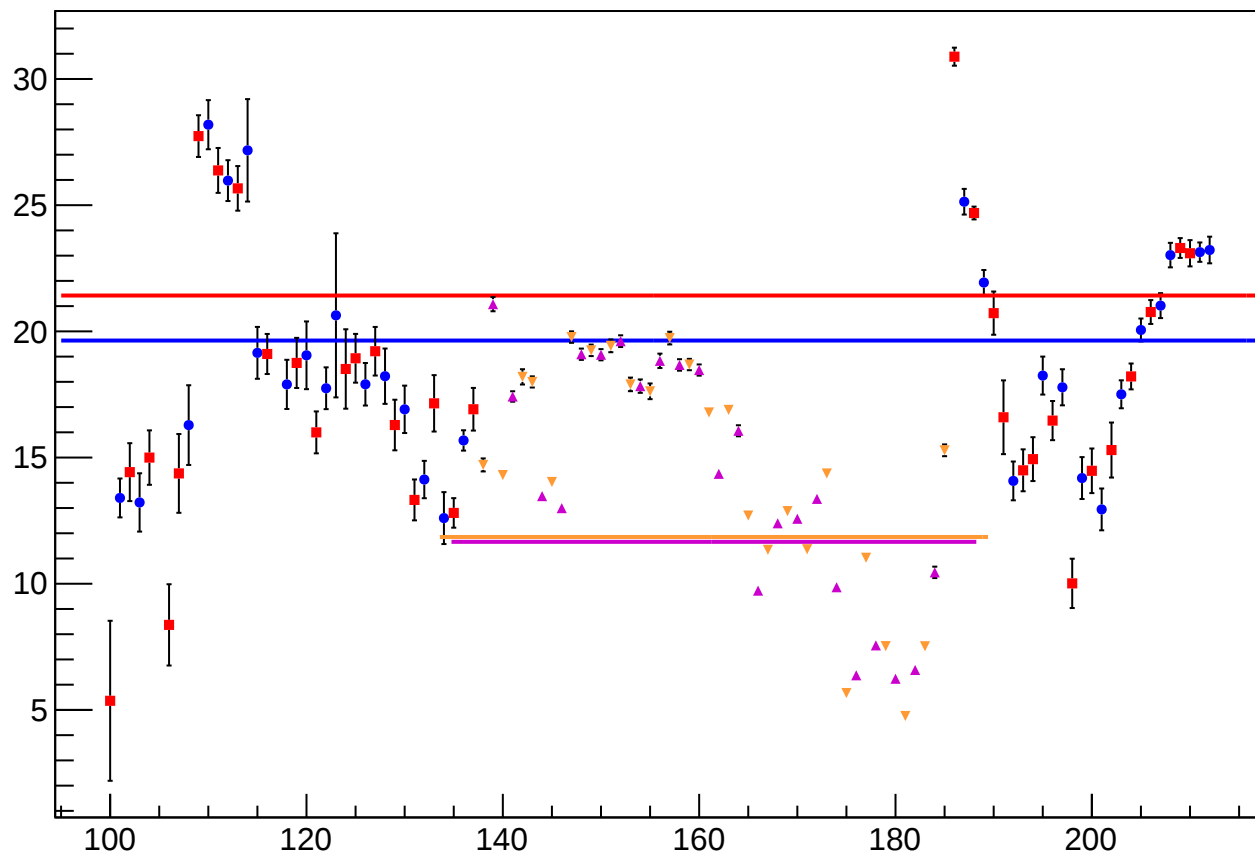
Left In: -0.080 ± 0.028 $\chi^2/\text{NDF}: 4979.5/22$

+ sign 0.072 ± 0.027 $\chi^2/\text{NDF}: 6745.8/54$

All: 0.079 ± 0.019 $\chi^2/\text{NDF}: 12628.5/110$

- sign 0.085 ± 0.027 $\chi^2/\text{NDF}: 5882.5/55$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.636 $\pm$ 0.124 χ^2 /NDF: 985.6/29

Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24

Right Out: 21.420 $\pm$ 0.118 χ^2 /NDF: 2106.7/32

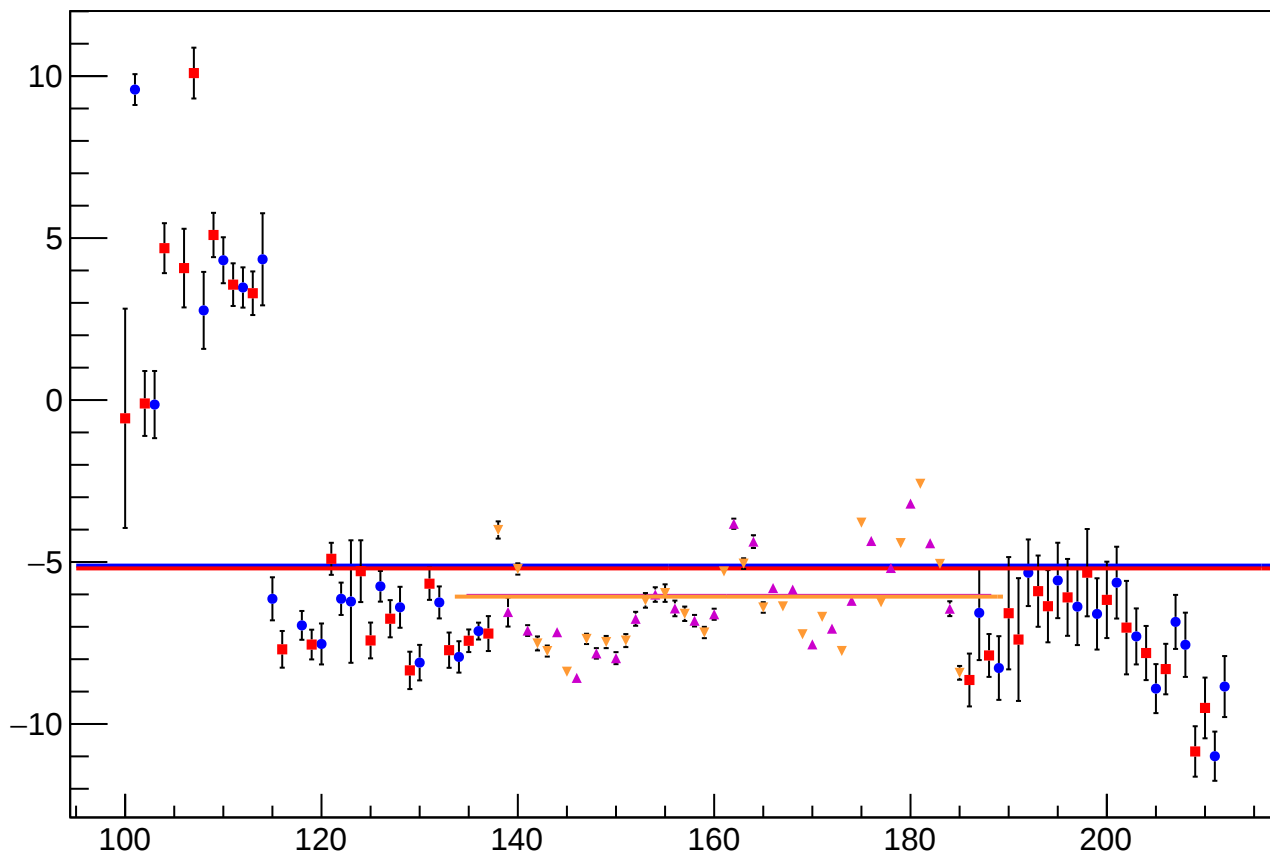
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.418 $\pm$ 0.033 χ^2 /NDF: 23794.3/54

All: 12.439 $\pm$ 0.024 χ^2 /NDF: 48912.2/110

- sign 12.459 $\pm$ 0.034 χ^2 /NDF: 25117.2/55

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.111 ± 0.117 χ^2/NDF : 1737.5/29

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -5.198 ± 0.122 χ^2/NDF : 1509.6/32

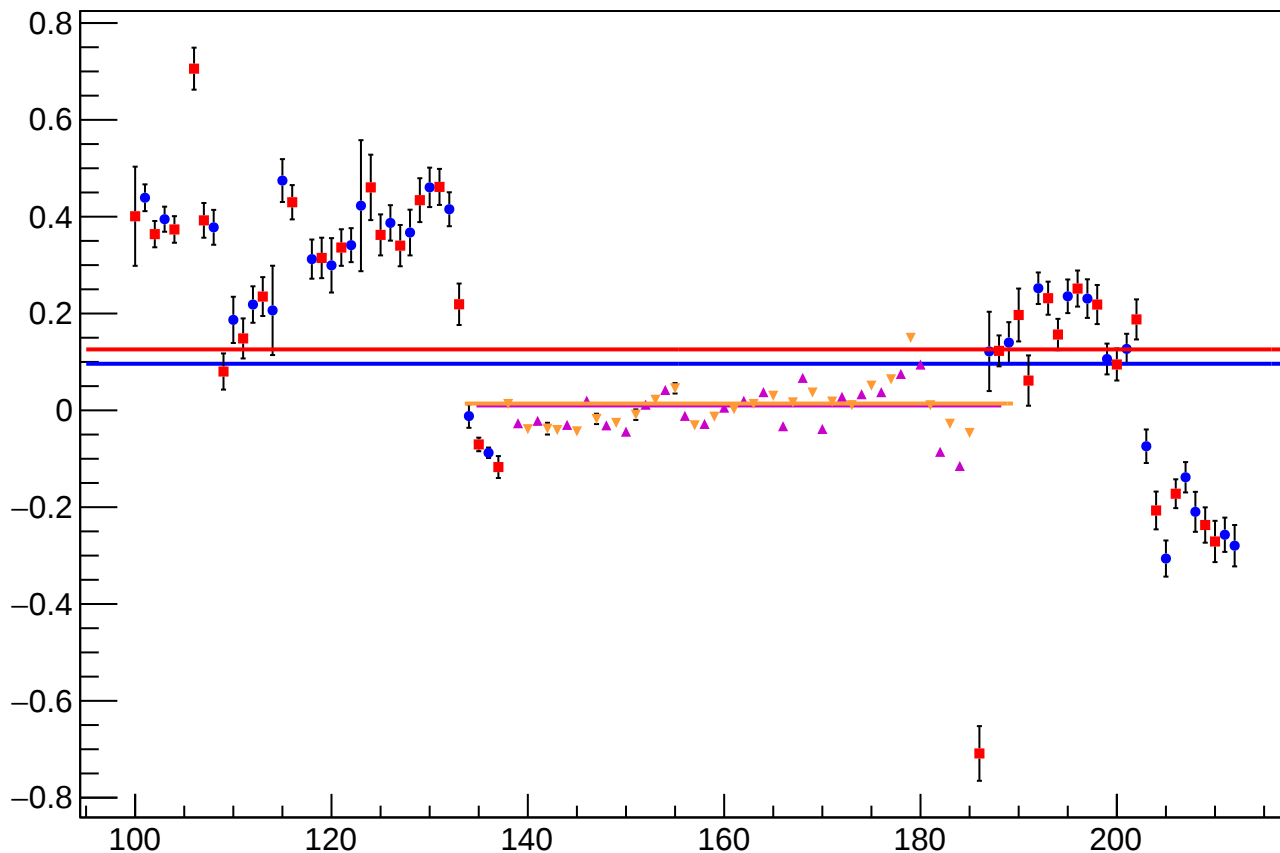
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -6.006 ± 0.030 χ^2/NDF : 4471.4/54

All: -5.998 ± 0.021 χ^2/NDF : 8320.2/110

- sign -5.991 ± 0.031 χ^2/NDF : 3848.7/55

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.096 ± 0.006 χ^2/NDF : 1580.8/29

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.126 ± 0.006 χ^2/NDF : 1668.1/32

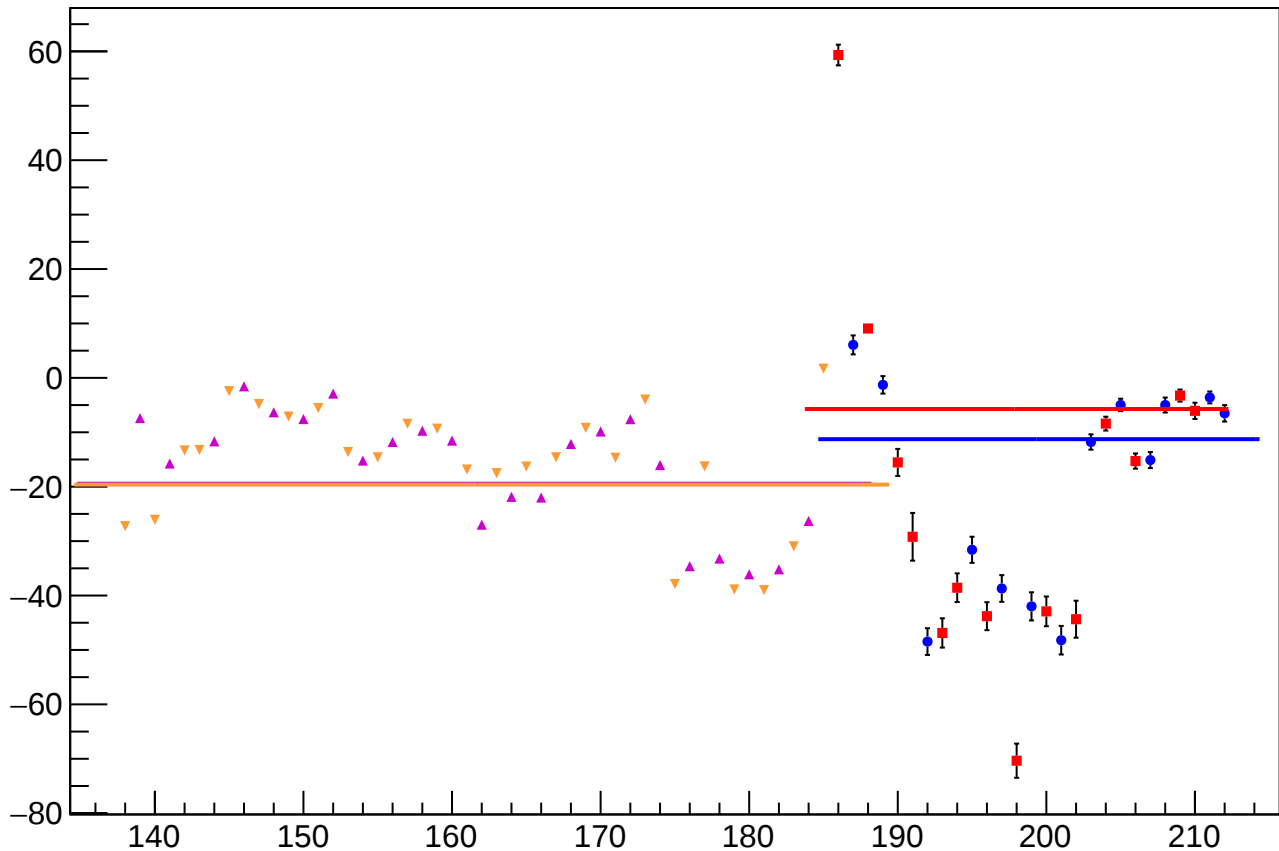
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.019 ± 0.001 χ^2/NDF : 2725.5/54

All: 0.018 ± 0.001 χ^2/NDF : 5964.2/110

- sign 0.017 ± 0.001 χ^2/NDF : 3237.5/55

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -11.268 ± 0.445 χ^2/NDF : 1020.0/12

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: -5.719 ± 0.446 χ^2/NDF : 2923.5/13

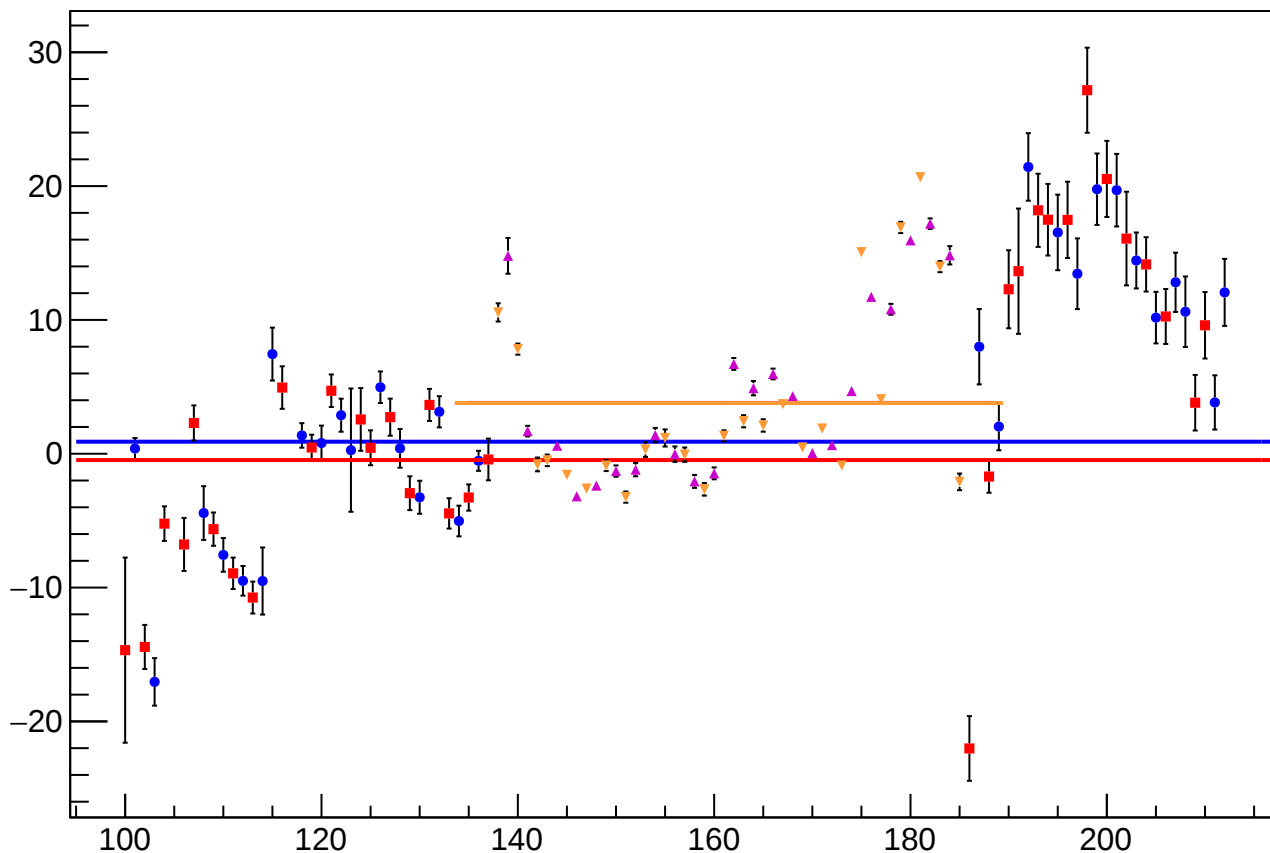
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -19.186 ± 0.101 χ^2/NDF : 17115.2/37

All: -18.961 ± 0.072 χ^2/NDF : 33230.5/74

- sign -18.728 ± 0.102 χ^2/NDF : 16105.0/36

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.901 ± 0.267 χ^2/NDF : 685.6/29

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -0.471 ± 0.272 χ^2/NDF : 814.3/32

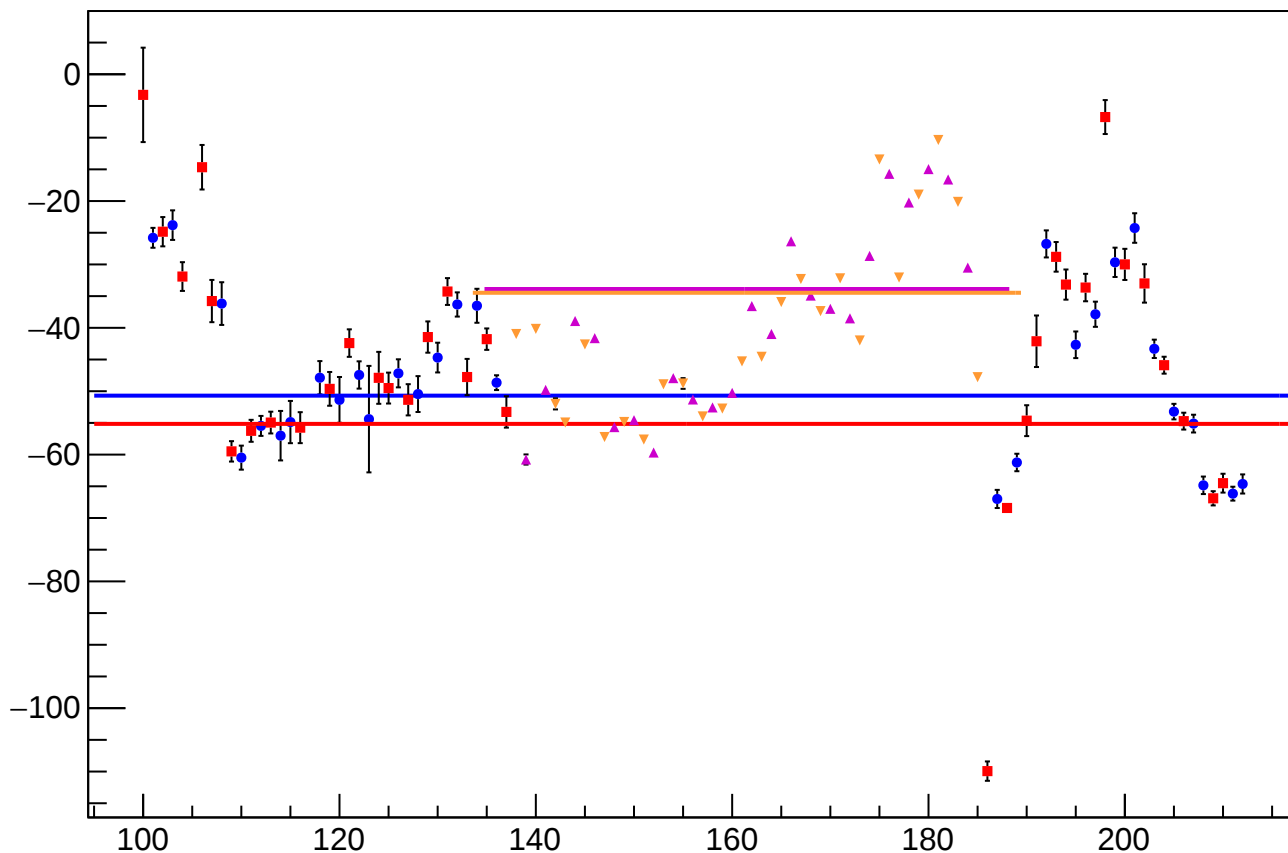
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.538 ± 0.078 χ^2/NDF : 7943.2/54

All: 3.486 ± 0.056 χ^2/NDF : 14500.3/110

- sign 3.431 ± 0.080 χ^2/NDF : 6556.3/55

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -50.699 ± 0.330 χ^2/NDF : 1555.1/29

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -55.154 ± 0.321 χ^2/NDF : 3413.6/32

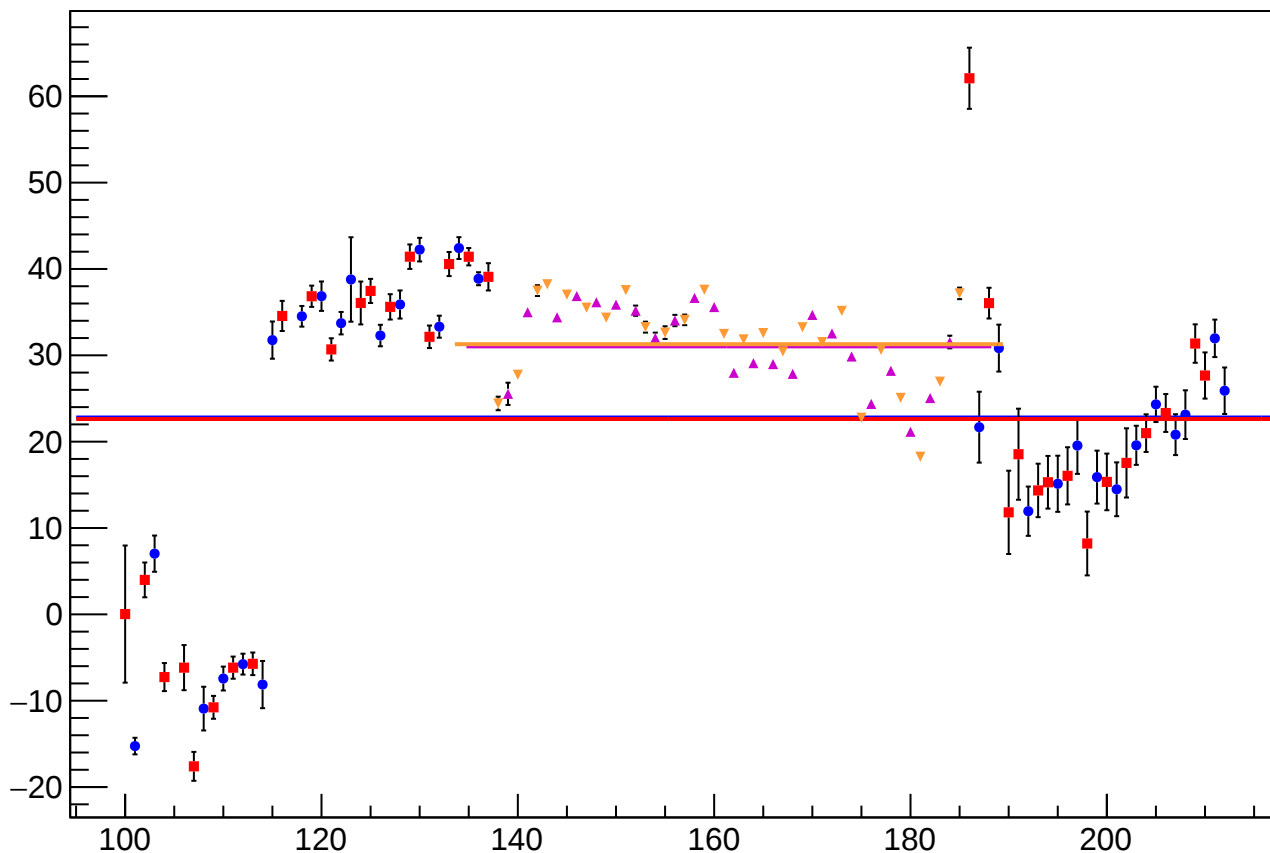
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.932 ± 0.099 χ^2/NDF : 23946.3/54

All: -35.939 ± 0.070 χ^2/NDF : 48972.6/110

- sign -35.945 ± 0.100 χ^2/NDF : 25026.3/55

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.796 $\pm$ 0.301 χ^2 /NDF: 4381.8/29

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF: 3345.7/24

Right Out: 22.627 $\pm$ 0.310 χ^2 /NDF: 4277.3/32

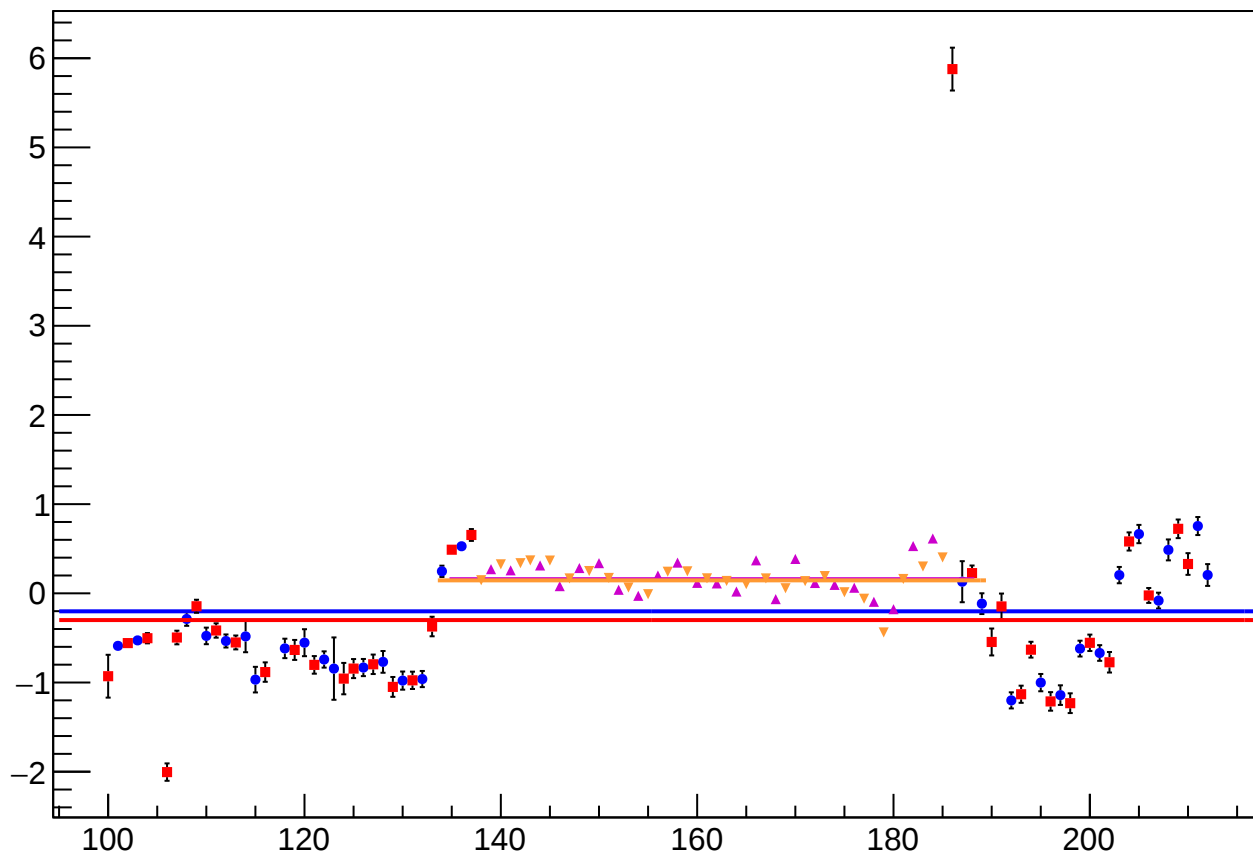
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF: 2480.0/22

+ sign 30.554 $\pm$ 0.088 χ^2 /NDF: 8456.3/54

All: 30.444 $\pm$ 0.063 χ^2 /NDF: 15889.8/110

- sign 30.329 $\pm$ 0.090 χ^2 /NDF: 7430.4/55

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.202 ± 0.015 χ^2/NDF : 1540.9/29

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.300 ± 0.015 χ^2/NDF : 2349.1/32

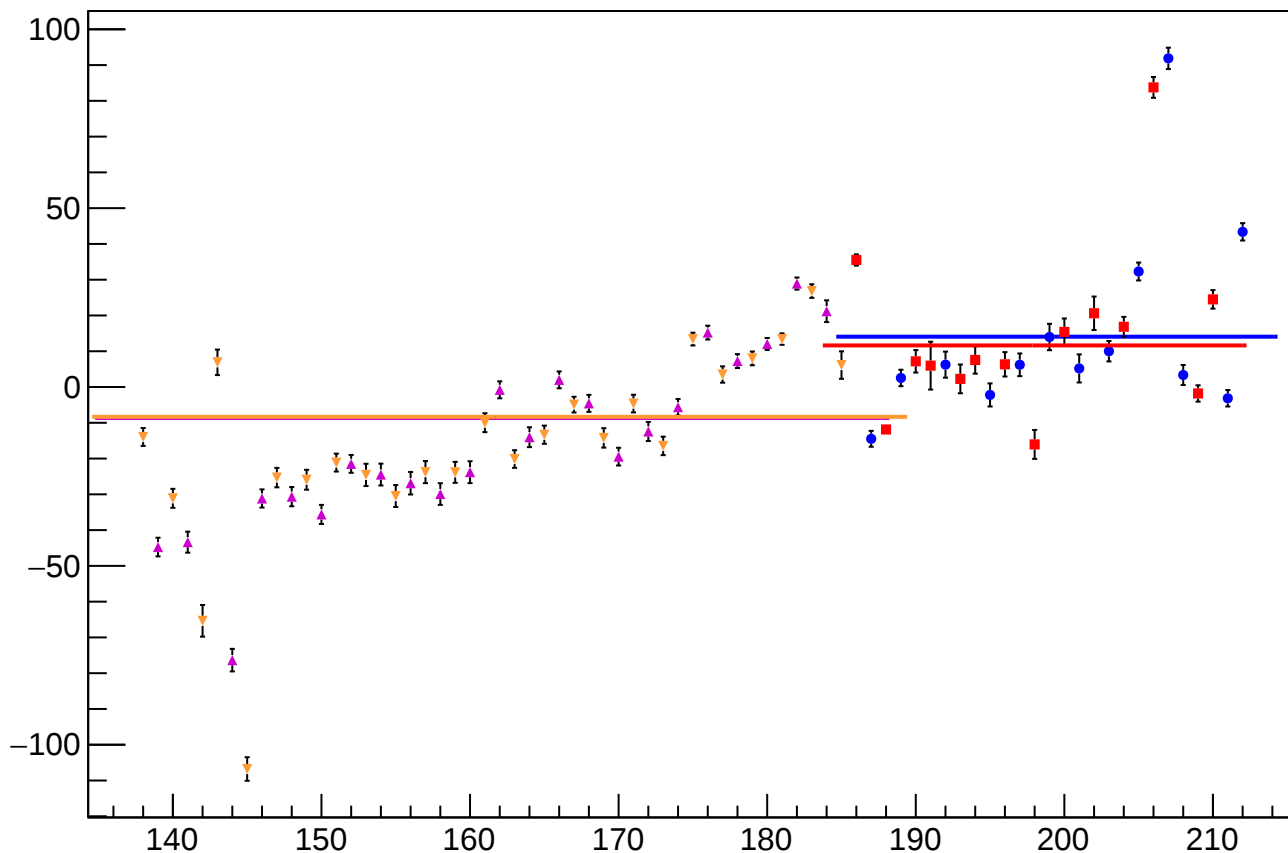
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.120 ± 0.004 χ^2/NDF : 3612.0/54

All: 0.123 ± 0.003 χ^2/NDF : 8802.5/110

- sign 0.125 ± 0.004 χ^2/NDF : 5189.7/55

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 14.071 ± 0.771 $\chi^2/\text{NDF}: 1181.1/12$

Left Out: -8.332 ± 0.500 $\chi^2/\text{NDF}: 2226.2/24$

Right Out: 11.626 ± 0.680 $\chi^2/\text{NDF}: 1330.5/13$

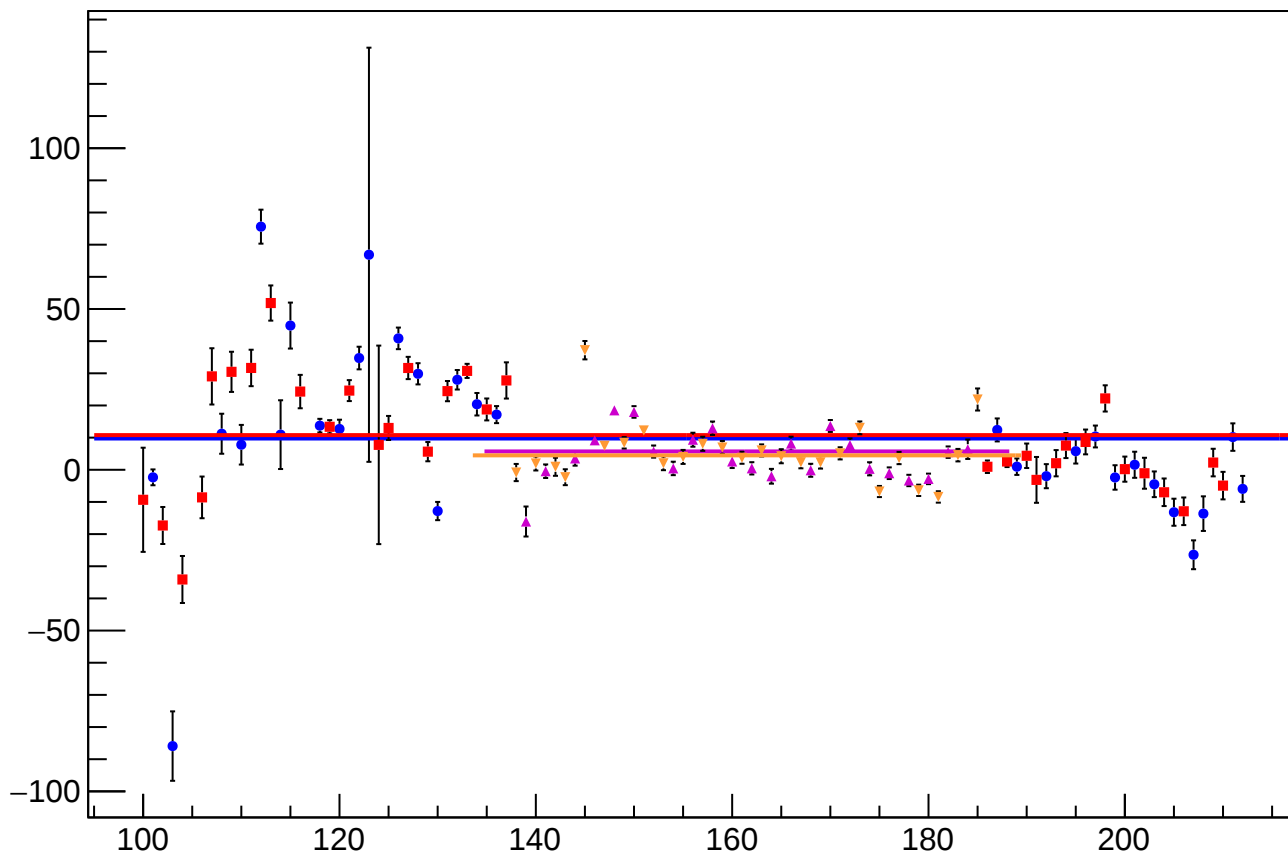
Left In: -8.652 ± 0.507 $\chi^2/\text{NDF}: 2223.8/22$

+ sign -1.710 ± 0.419 $\chi^2/\text{NDF}: 4001.7/37$

All: -1.549 ± 0.292 $\chi^2/\text{NDF}: 8128.1/74$

- sign -1.398 ± 0.406 $\chi^2/\text{NDF}: 4126.1/36$

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 9.727 ± 0.665 χ^2/NDF : 756.8/29

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 10.780 ± 0.631 χ^2/NDF : 485.5/32

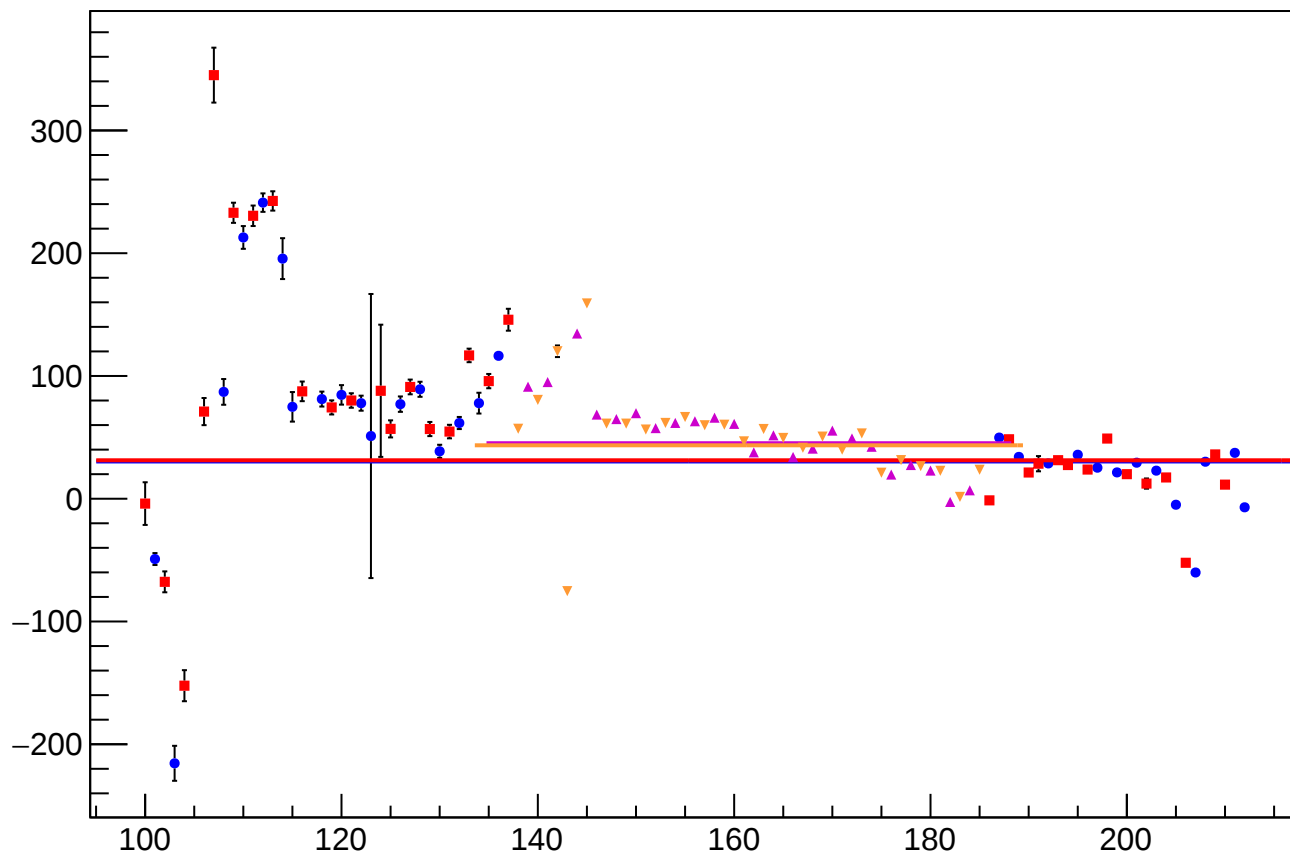
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 5.835 ± 0.338 χ^2/NDF : 1174.7/54

All: 6.503 ± 0.240 χ^2/NDF : 2037.9/110

- sign 7.180 ± 0.340 χ^2/NDF : 855.4/55

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 30.354 $\pm$ 0.651 χ^2 /NDF: 4292.0/29

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 31.315 $\pm$ 0.557 χ^2 /NDF: 5345.5/32

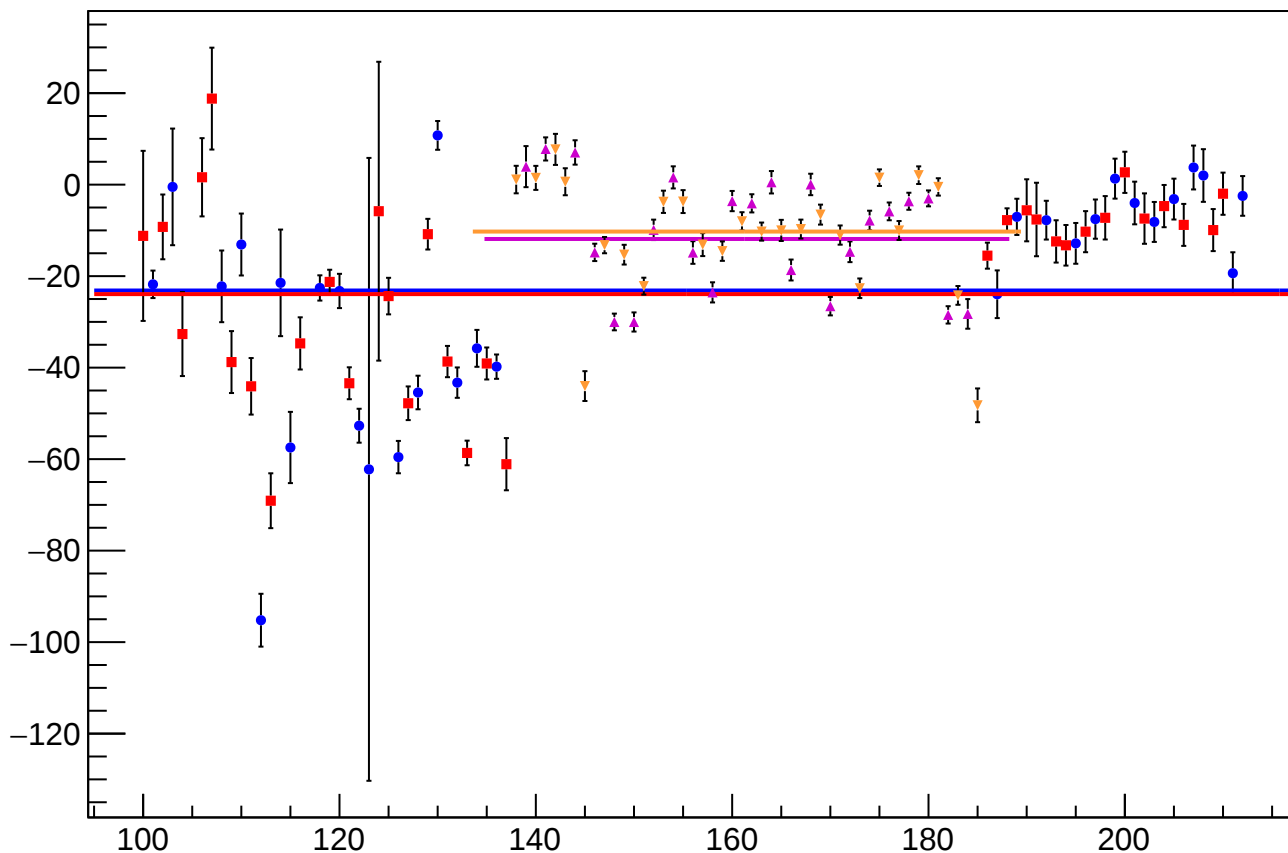
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 38.661 $\pm$ 0.396 χ^2 /NDF: 8380.5/54

All: 38.817 $\pm$ 0.272 χ^2 /NDF: 17116.6/110

- sign 38.956 $\pm$ 0.374 χ^2 /NDF: 8735.8/55

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -23.141 ± 0.774 χ^2/NDF : 791.8/29

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -23.930 ± 0.762 χ^2/NDF : 638.4/32

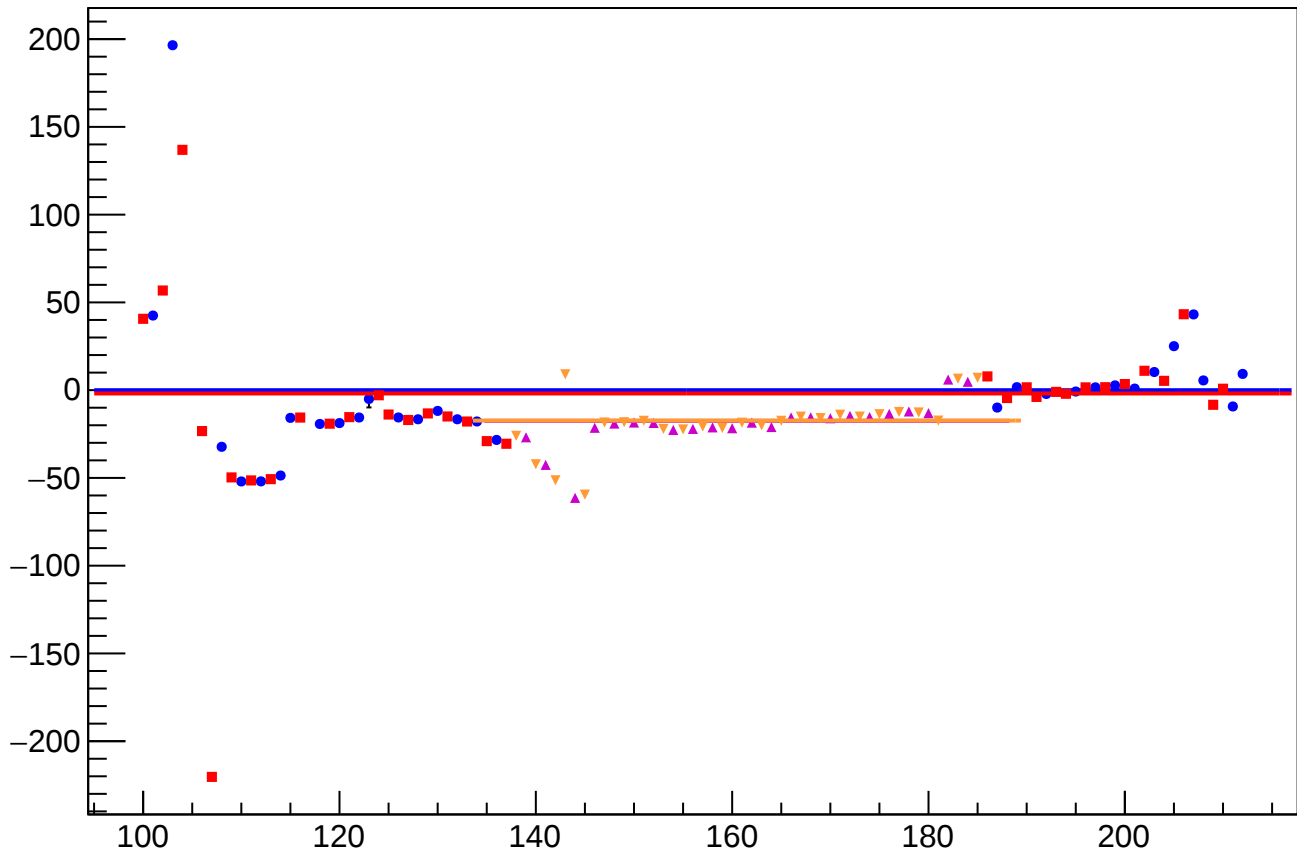
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.451 ± 0.385 χ^2/NDF : 1552.8/54

All: -14.241 ± 0.275 χ^2/NDF : 3050.3/110

- sign -15.057 ± 0.391 χ^2/NDF : 1488.9/55

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.025 ± 0.036 χ^2/NDF : 677969.3/29

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -1.883 ± 0.035 χ^2/NDF : 672067.0/32

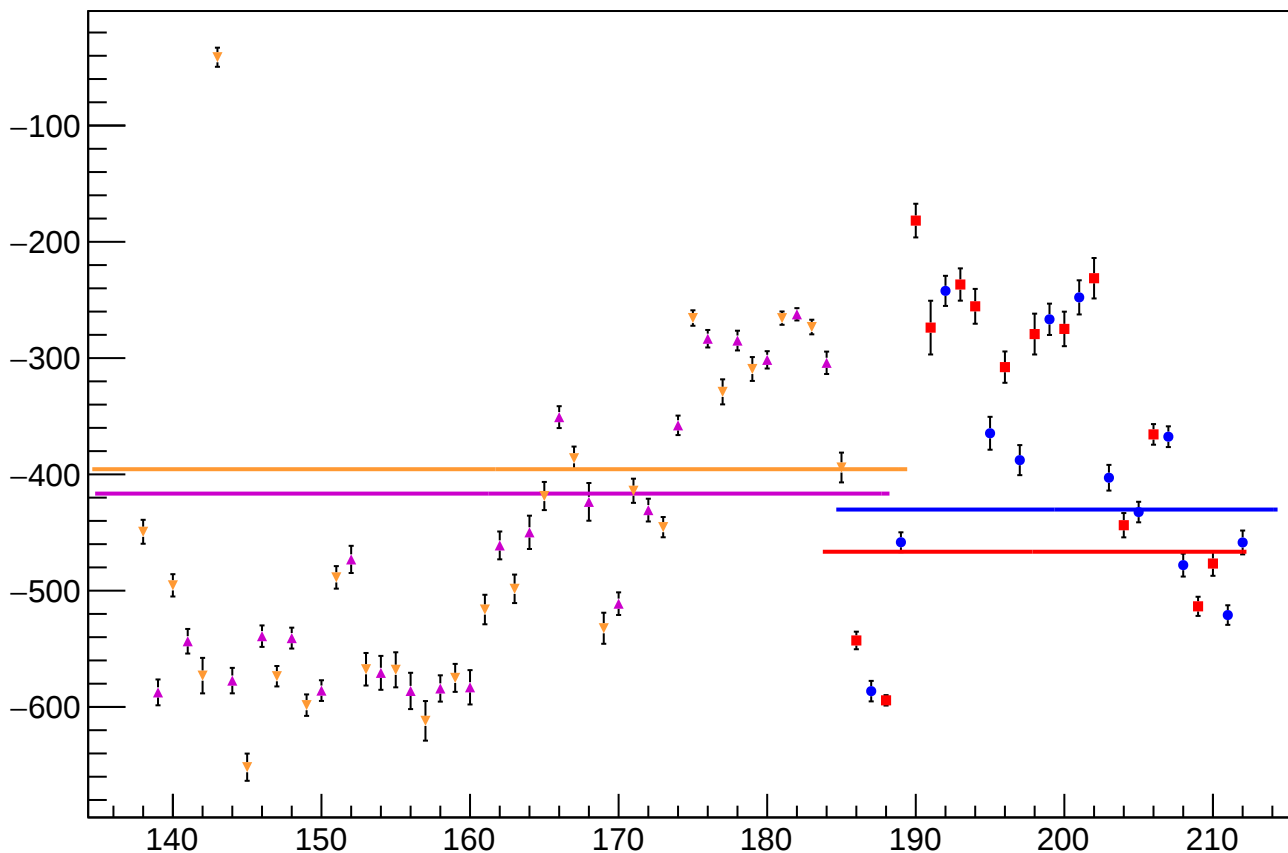
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -13.168 ± 0.018 χ^2/NDF : 1176365.5/54

All: -13.344 ± 0.013 χ^2/NDF : 2252810.1/110

- sign -13.521 ± 0.018 χ^2/NDF : 1076248.5/55

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -430.244 ± 2.873 χ^2/NDF : 1072.0/12

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -466.525 ± 2.620 χ^2/NDF : 2612.6/13

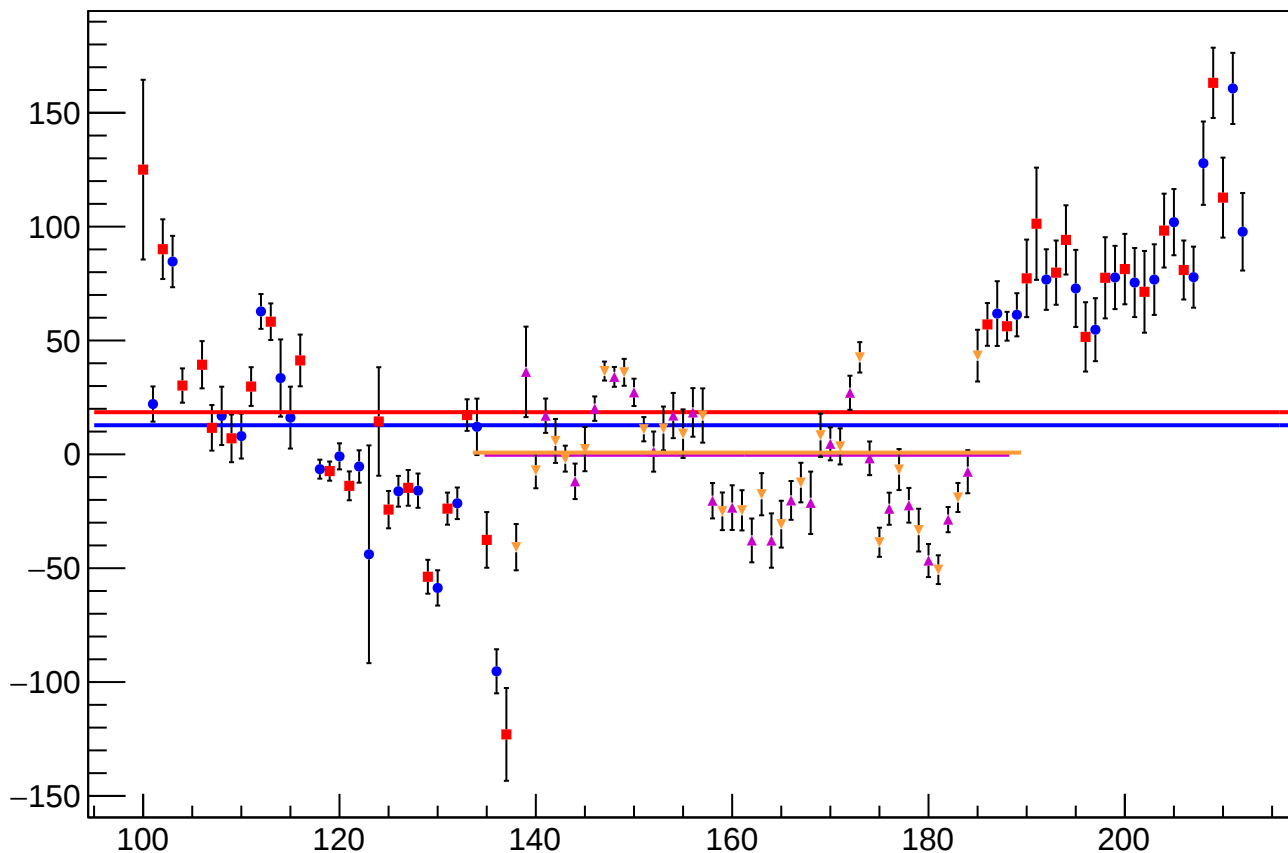
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -406.517 ± 1.615 χ^2/NDF : 7118.3/37

All: -420.961 ± 1.134 χ^2/NDF : 14035.2/74

- sign -434.990 ± 1.592 χ^2/NDF : 6759.3/36

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 12.786 ± 1.729 $\chi^2/\text{NDF}: 742.8/29$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 18.516 ± 1.679 $\chi^2/\text{NDF}: 708.5/32$

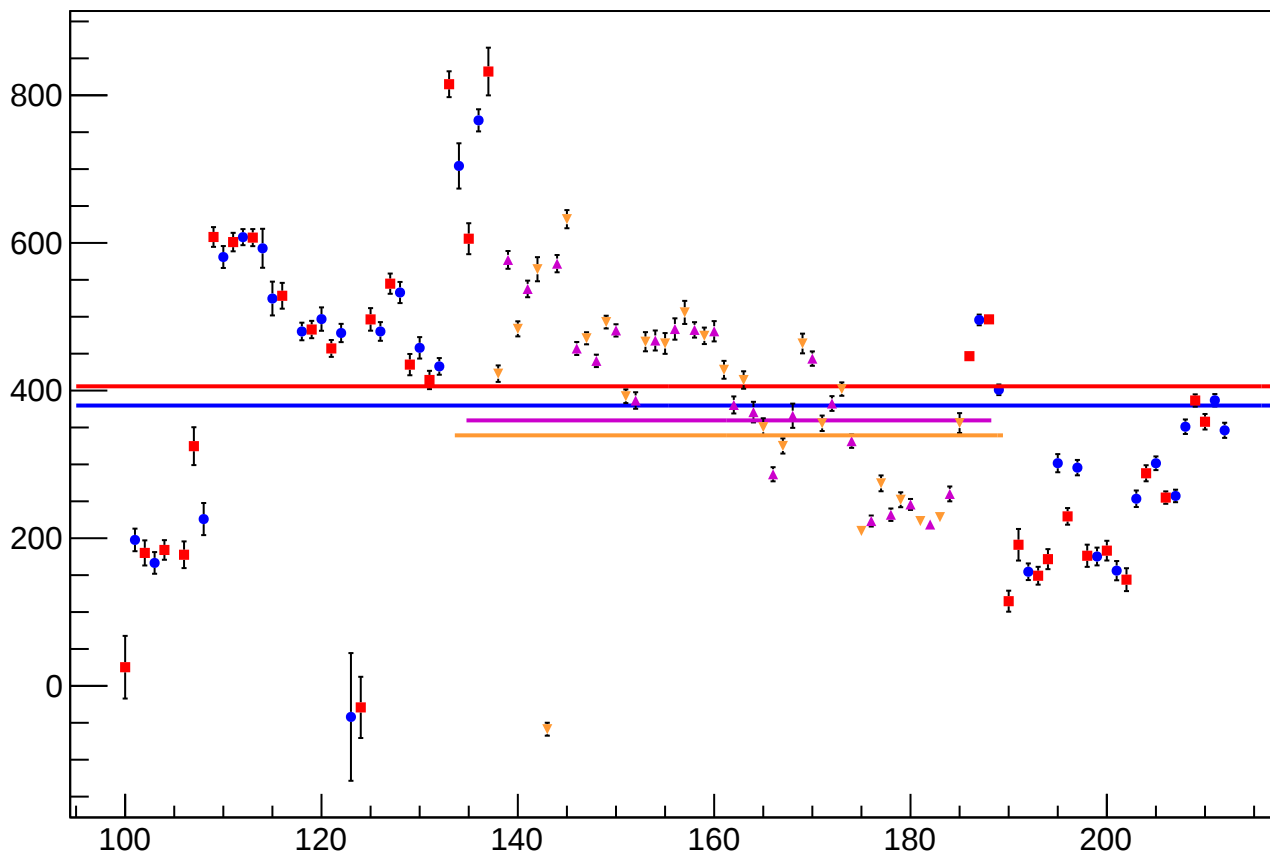
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 5.938 ± 1.134 $\chi^2/\text{NDF}: 1120.4/54$

All: 7.233 ± 0.807 $\chi^2/\text{NDF}: 2158.5/110$

- sign 8.562 ± 1.149 $\chi^2/\text{NDF}: 1035.4/55$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 379.735 ± 2.150 $\chi^2/\text{NDF}: 4124.9/29$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 405.768 ± 1.919 $\chi^2/\text{NDF}: 6105.5/32$

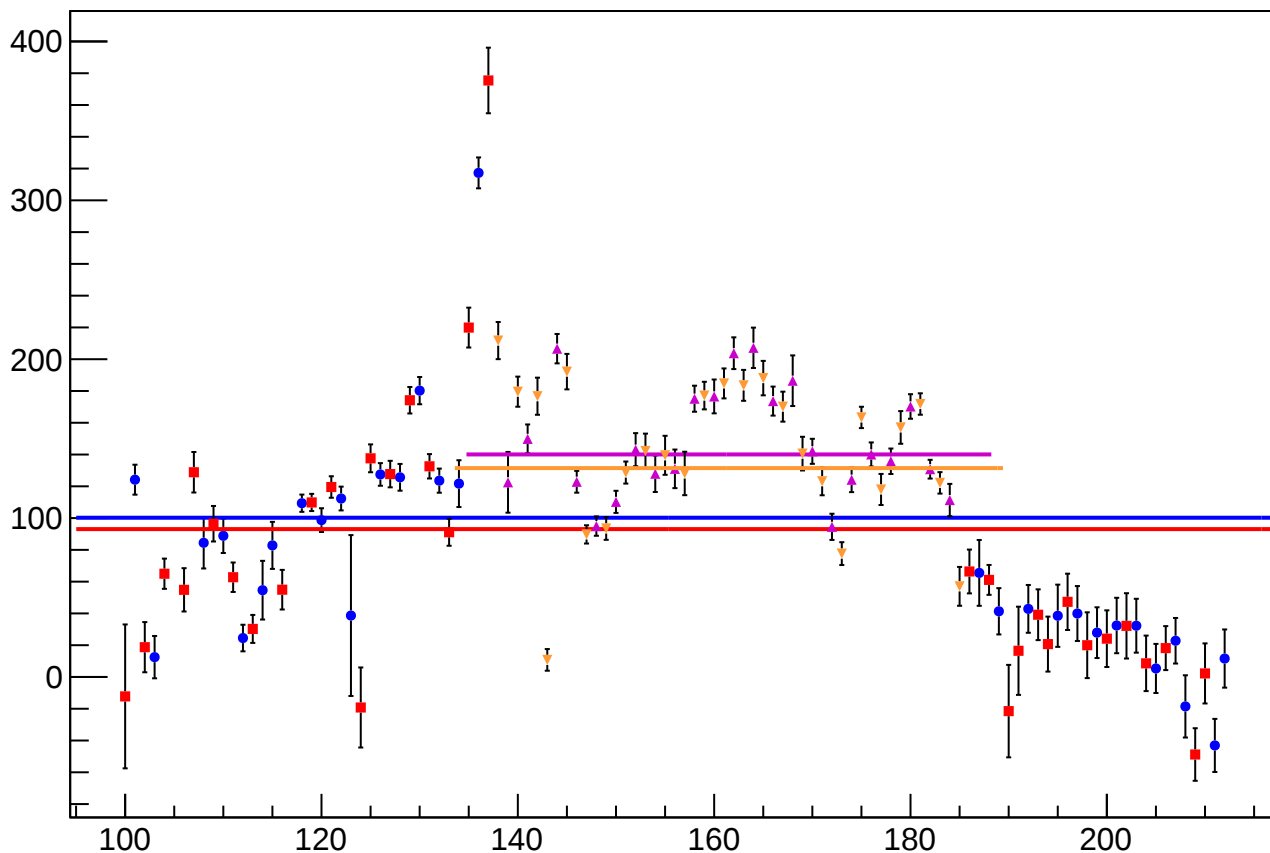
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 357.711 ± 1.449 $\chi^2/\text{NDF}: 9819.8/54$

All: 371.272 ± 1.002 $\chi^2/\text{NDF}: 19768.3/110$

- sign 383.667 ± 1.386 $\chi^2/\text{NDF}: 9781.0/55$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 100.230 ± 2.011 $\chi^2/\text{NDF}: 1076.9/29$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 93.068 ± 1.972 $\chi^2/\text{NDF}: 881.0/32$

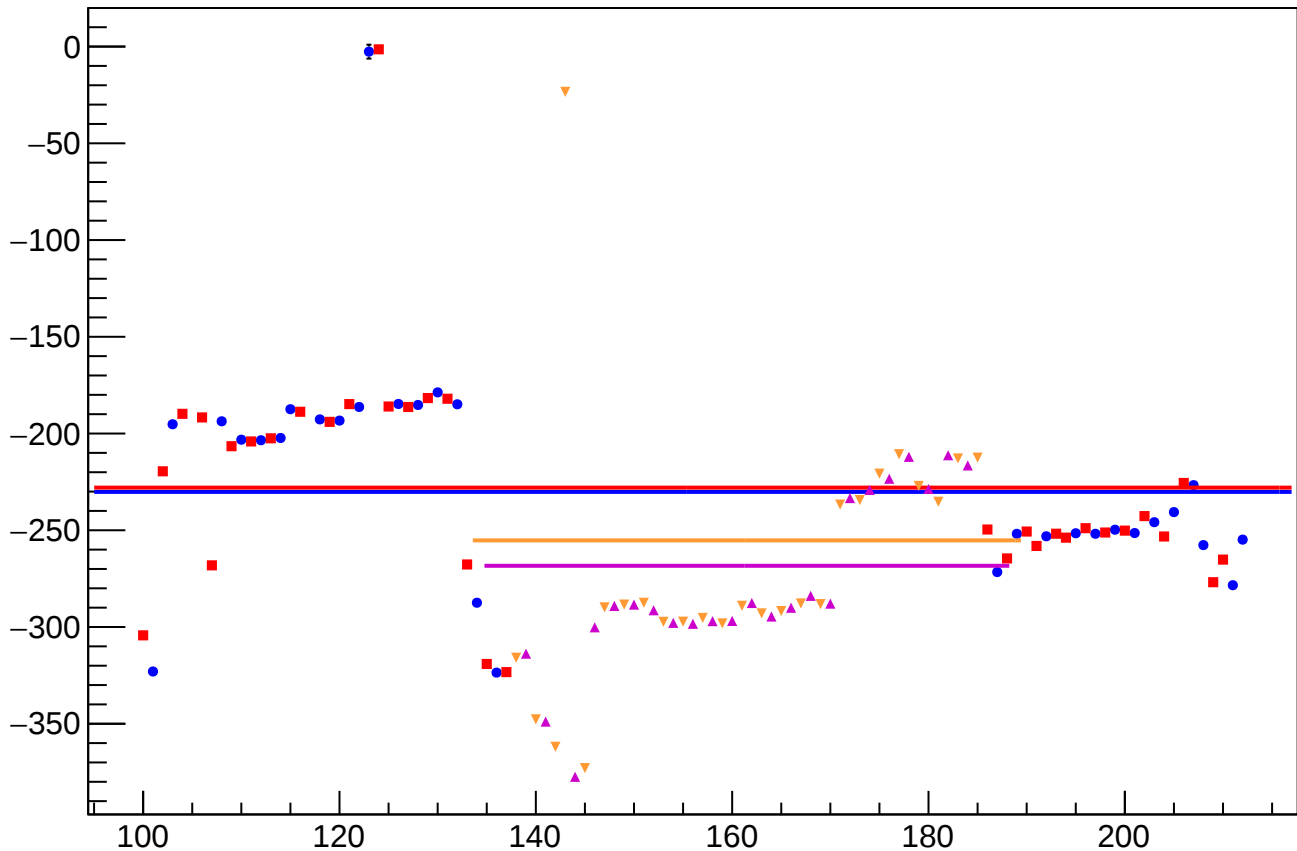
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 118.200 ± 1.310 $\chi^2/\text{NDF}: 2025.1/54$

All: 118.481 ± 0.933 $\chi^2/\text{NDF}: 3533.3/110$

- sign 118.770 ± 1.327 $\chi^2/\text{NDF}: 1508.2/55$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -230.165 $\pm$ 0.107 χ^2 /NDF: 173224.2/29

Left Out: -255.232 $\pm$ 0.082 χ^2 /NDF: 728016.7/24

Right Out: -227.952 $\pm$ 0.102 χ^2 /NDF: 155187.2/32

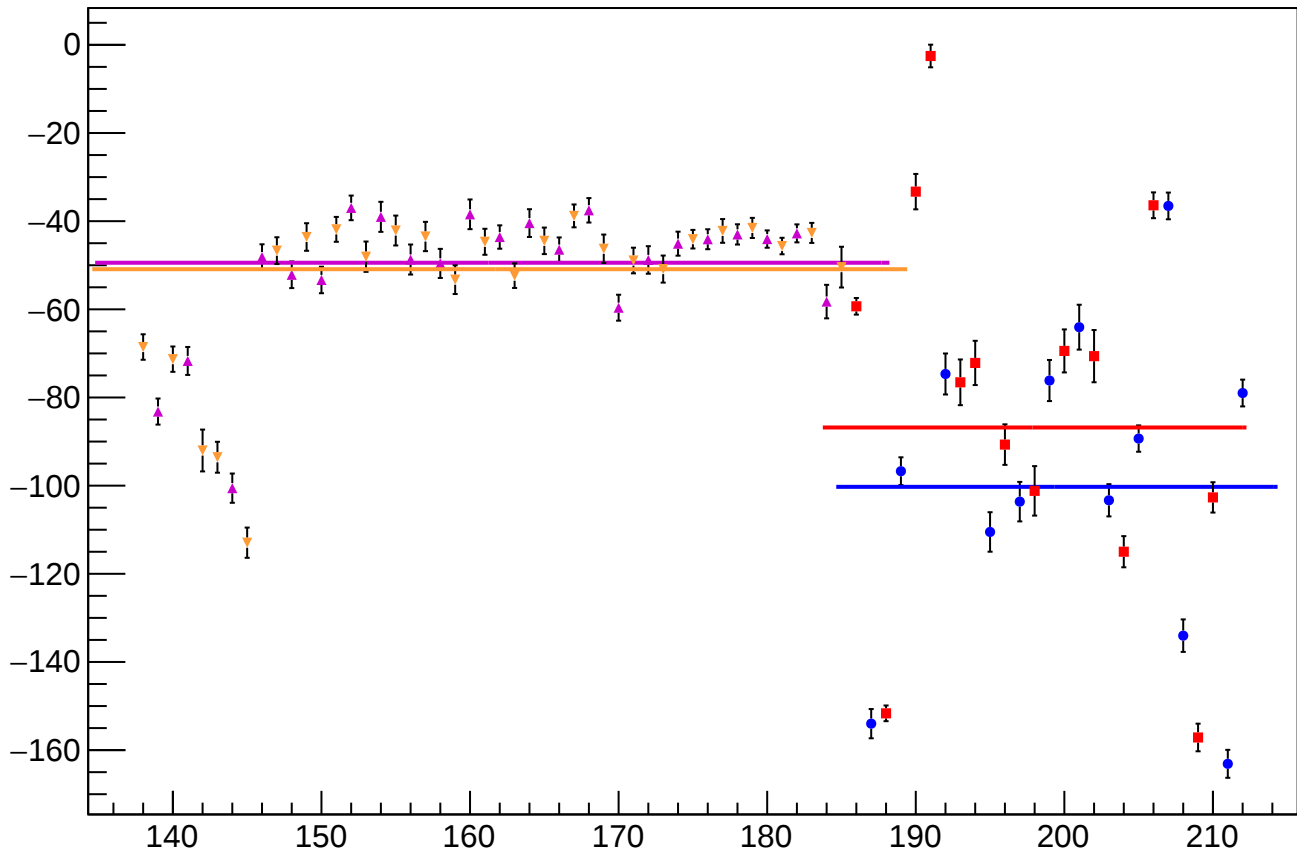
Left In: -268.353 $\pm$ 0.084 χ^2 /NDF: 262479.3/22

+ sign -245.909 $\pm$ 0.065 χ^2 /NDF: 936028.6/54

All: -249.012 $\pm$ 0.046 χ^2 /NDF: 1452235.1/11

- sign -252.083 $\pm$ 0.065 χ^2 /NDF: 511667.1/55

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -100.272 ± 1.001 $\chi^2/\text{NDF}: 1358.8/12$

Left Out: -50.897 ± 0.573 $\chi^2/\text{NDF}: 761.1/24$

Right Out: -86.805 ± 0.839 $\chi^2/\text{NDF}: 3718.3/13$

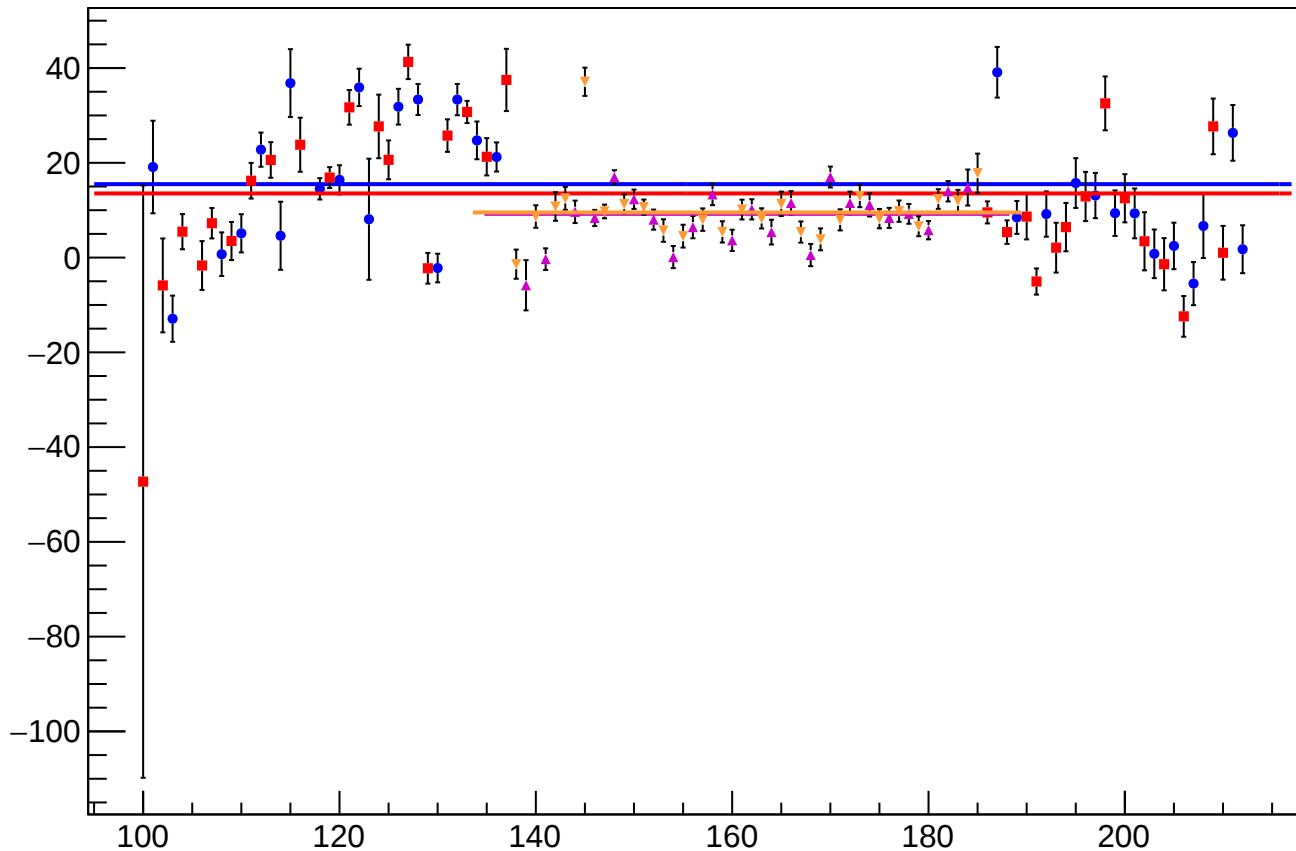
Left In: -49.432 ± 0.584 $\chi^2/\text{NDF}: 543.4/22$

+ sign -63.084 ± 0.497 $\chi^2/\text{NDF}: 3954.0/37$

All: -62.327 ± 0.345 $\chi^2/\text{NDF}: 9556.5/74$

- sign -61.623 ± 0.479 $\chi^2/\text{NDF}: 5598.0/36$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.501 $\pm$ 0.762 χ^2 /NDF: 292.5/29

Left Out: 9.530 $\pm$ 0.446 χ^2 /NDF:134.4/24

Right Out: 13.537 $\pm$ 0.672 χ^2 /NDF: 370.9/32

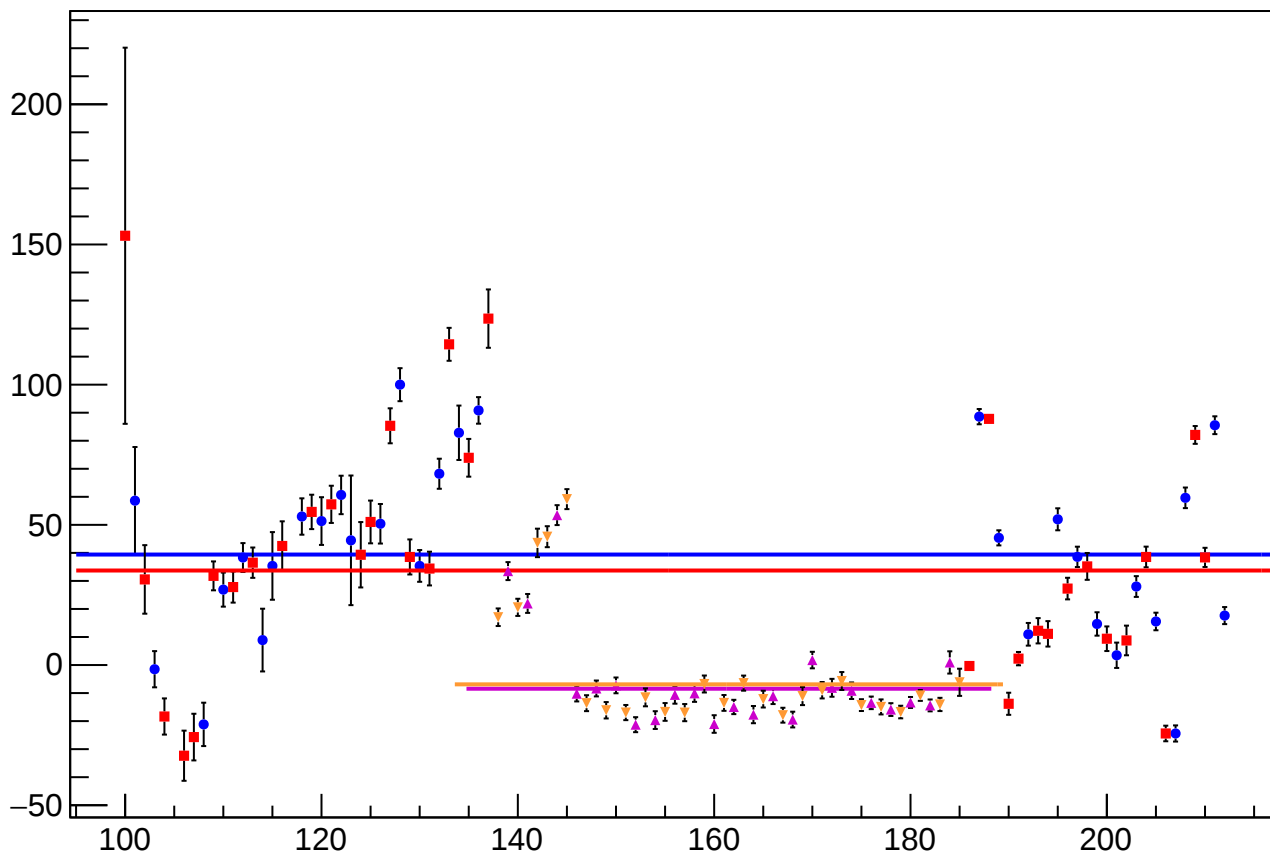
Left In: 9.231 $\pm$ 0.462 χ^2 /NDF:124.0/22

+ sign 11.054 $\pm$ 0.385 χ^2 /NDF: 472.7/54

All: 10.831 $\pm$ 0.271 χ^2 /NDF: 996.0/110

- sign 10.613 $\pm$ 0.381 χ^2 /NDF: 522.7/55

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 39.408 ± 0.813 $\chi^2/\text{NDF}: 1744.8/29$

Left Out: -6.888 ± 0.571 $\chi^2/\text{NDF}: 914.2/24$

Right Out: 33.714 ± 0.669 $\chi^2/\text{NDF}: 3596.1/32$

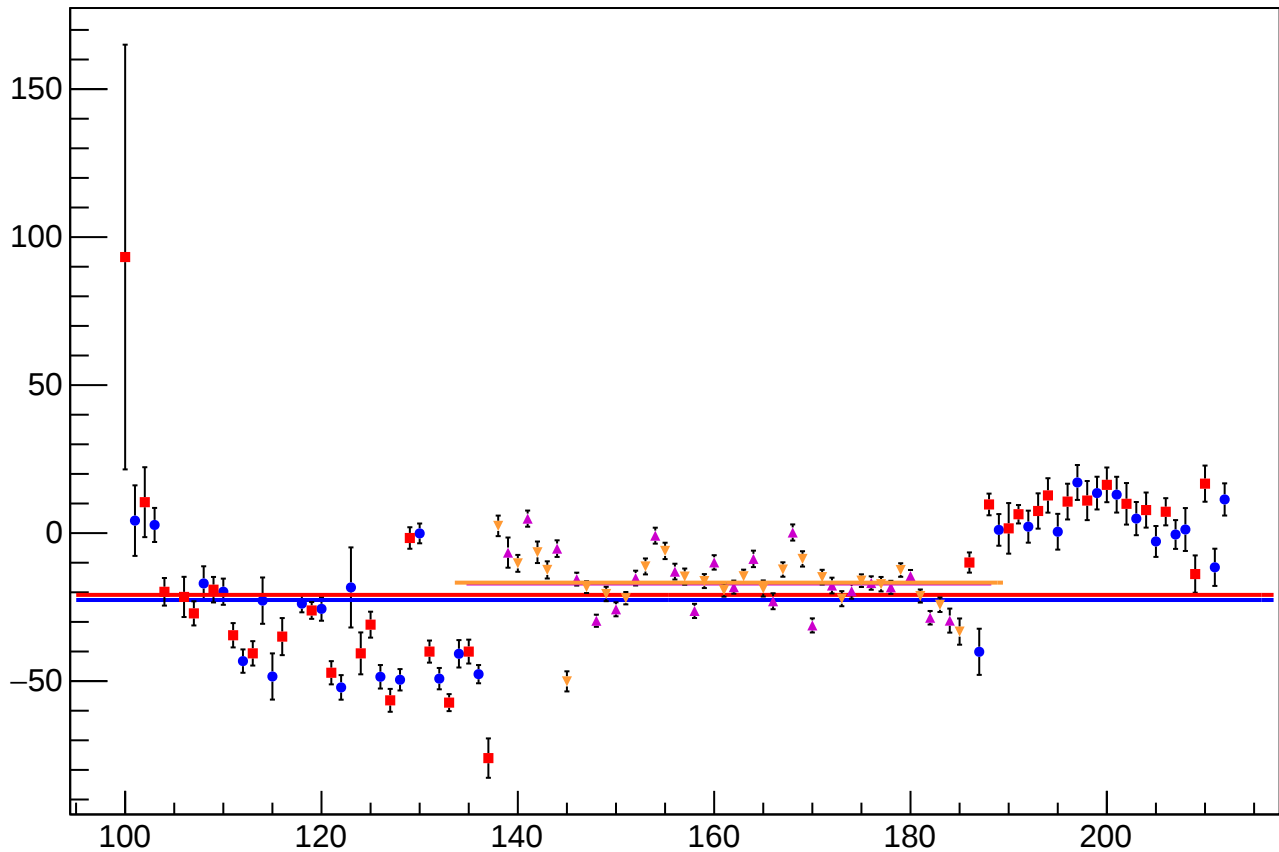
Left In: -8.451 ± 0.580 $\chi^2/\text{NDF}: 688.9/22$

+ sign 8.392 ± 0.467 $\chi^2/\text{NDF}: 4828.9/54$

All: 9.060 ± 0.320 $\chi^2/\text{NDF}: 11387.7/110$

- sign 9.647 ± 0.438 $\chi^2/\text{NDF}: 6555.0/55$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -22.601 ± 0.875 $\chi^2/\text{NDF}: 689.8/29$

Left Out: -16.733 ± 0.507 $\chi^2/\text{NDF}: 223.3/24$

Right Out: -20.868 ± 0.796 $\chi^2/\text{NDF}: 933.2/32$

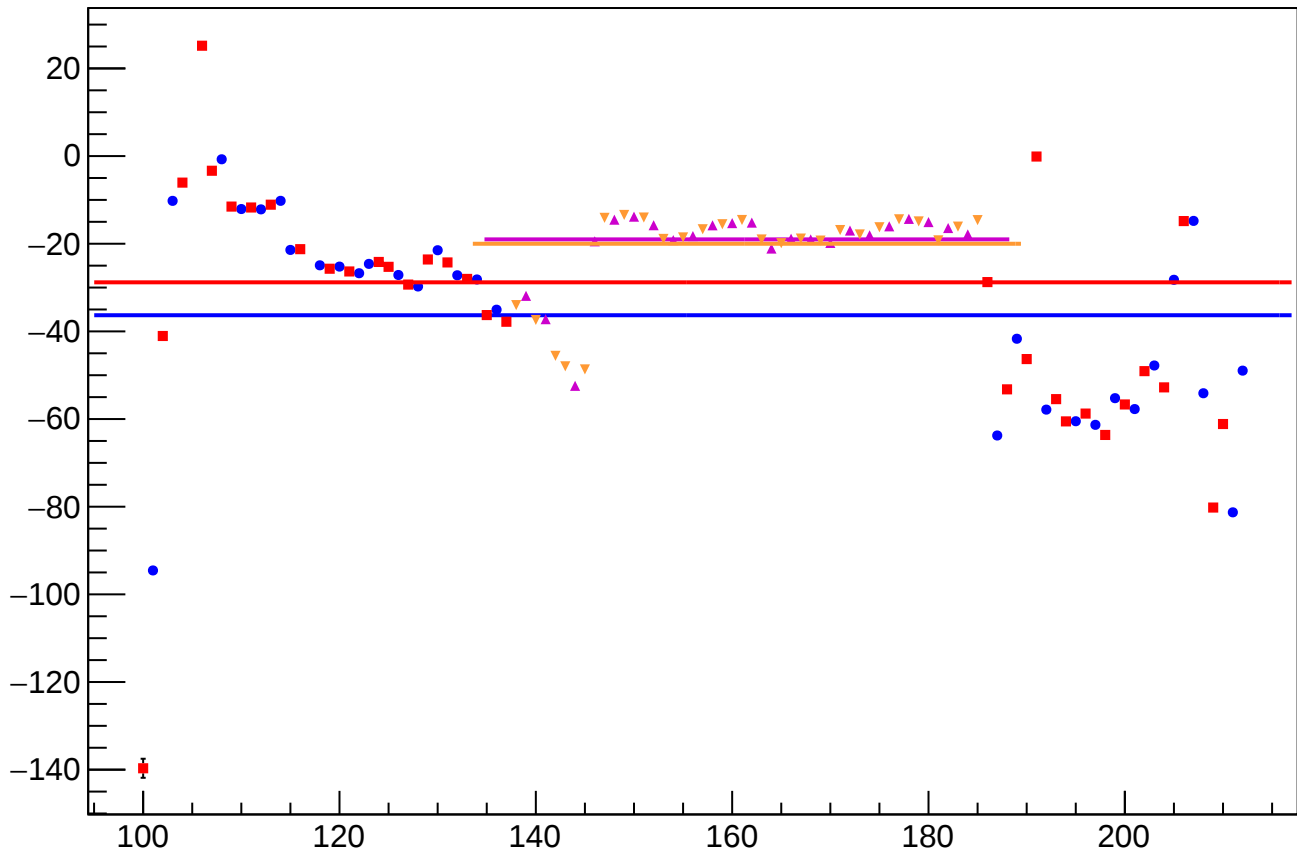
Left In: -17.023 ± 0.522 $\chi^2/\text{NDF}: 327.6/22$

+ sign -18.206 ± 0.438 $\chi^2/\text{NDF}: 946.7/54$

All: -18.192 ± 0.309 $\chi^2/\text{NDF}: 2223.8/110$

- sign -18.178 ± 0.436 $\chi^2/\text{NDF}: 1277.1/55$

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -36.312 ± 0.041 $\chi^2/\text{NDF}: 244747.0/29$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -28.806 ± 0.036 $\chi^2/\text{NDF}: 459578.0/32$

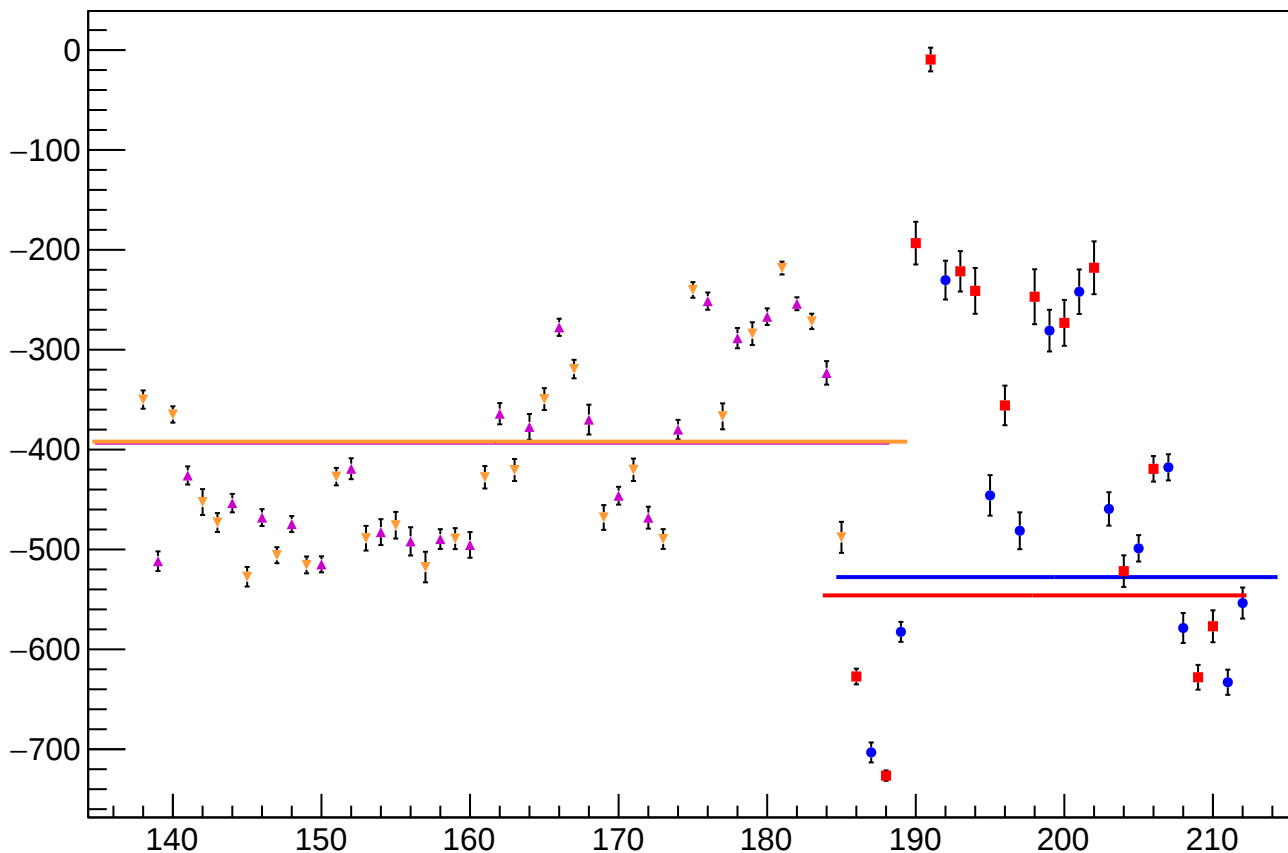
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -23.940 ± 0.020 $\chi^2/\text{NDF}: 508563.6/54$

All: -22.907 ± 0.014 $\chi^2/\text{NDF}: 1114996.5/110$

- sign -21.919 ± 0.020 $\chi^2/\text{NDF}: 601366.1/55$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -527.668 ± 4.002 $\chi^2/\text{NDF}: 1077.3/12$

Left Out: -392.054 ± 1.967 $\chi^2/\text{NDF}: 2717.2/24$

Right Out: -545.982 ± 3.247 $\chi^2/\text{NDF}: 4727.6/13$

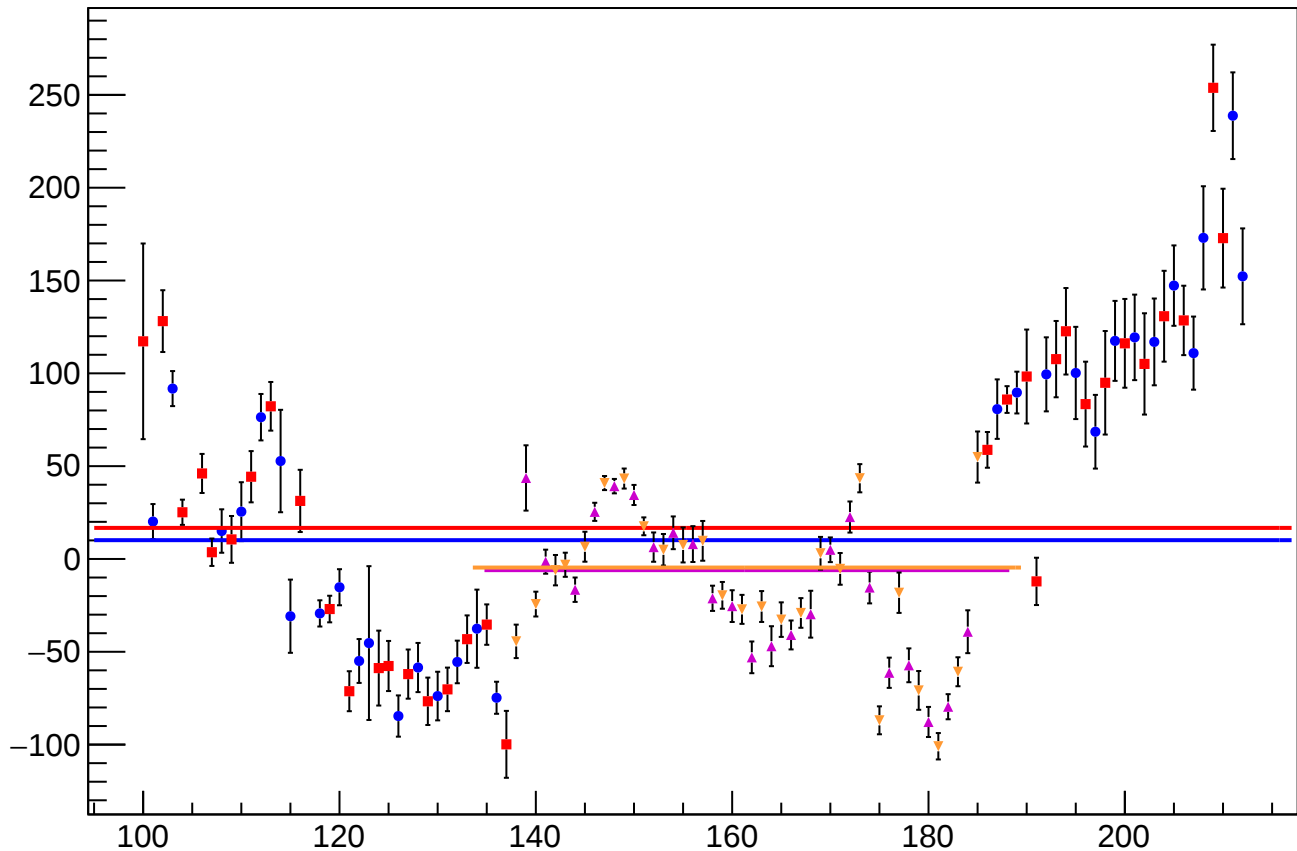
Left In: -393.113 ± 2.006 $\chi^2/\text{NDF}: 2253.3/22$

+ sign -418.428 ± 1.765 $\chi^2/\text{NDF}: 4719.3/37$

All: -427.162 ± 1.227 $\chi^2/\text{NDF}: 13351.9/74$

- sign -435.325 ± 1.706 $\chi^2/\text{NDF}: 8585.2/36$

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 10.126+/-2.508 χ^2 /NDF: 863.3/29

Left Out: -4.624+/-1.462 χ^2 /NDF: 772.9/24

Right Out: 16.738+/-2.221 χ^2 /NDF: 876.7/32

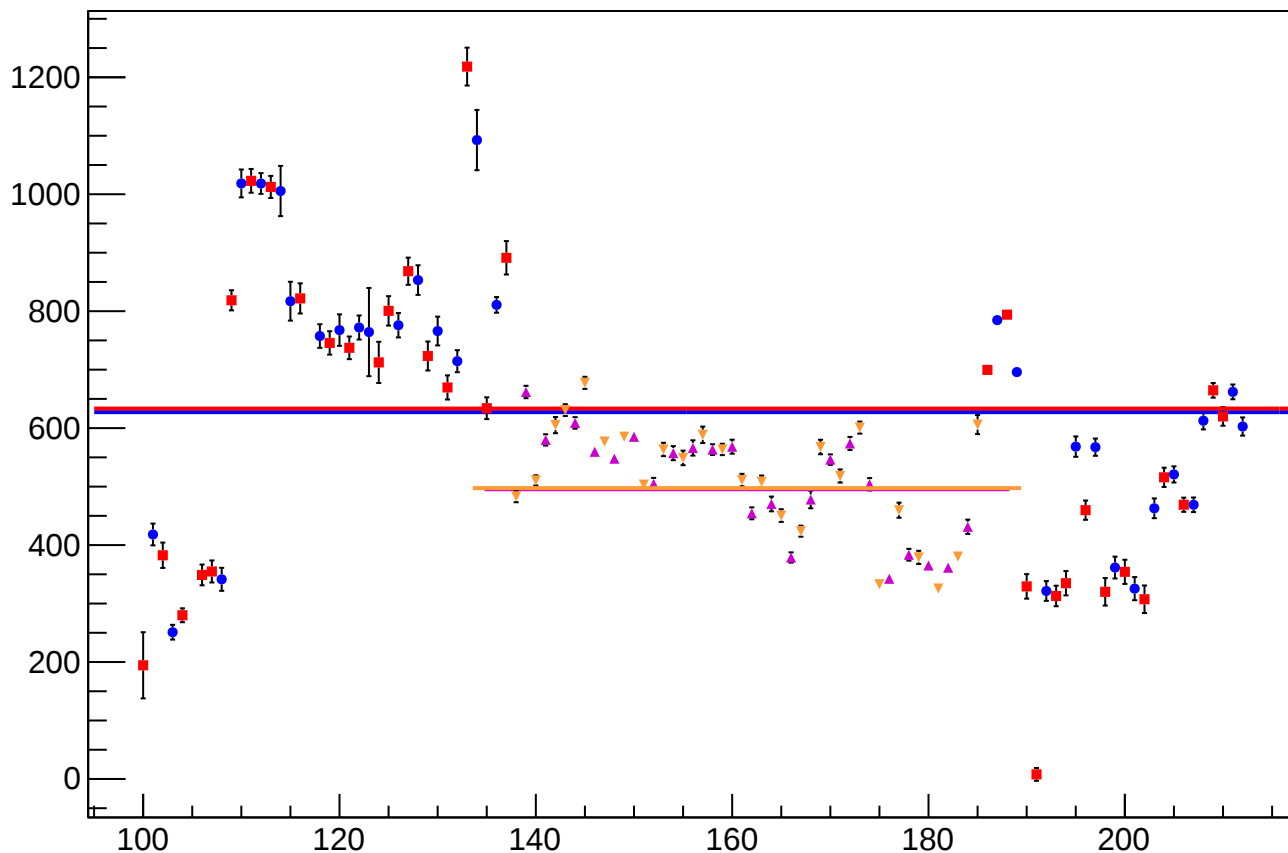
Left In: -6.019+/-1.516 χ^2 /NDF: 654.1/22

+ sign -0.883+/-1.263 χ^2 /NDF: 1662.0/54

All: 0.175+/-0.889 χ^2 /NDF: 3265.8/110

- sign 1.215+/-1.252 χ^2 /NDF: 1602.4/55

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 627.306 $\pm$ 2.947 χ^2 /NDF: 4222.9/29

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF:2614.6/24

Right Out: 633.477 $\pm$ 2.398 χ^2 /NDF: 9628.8/32

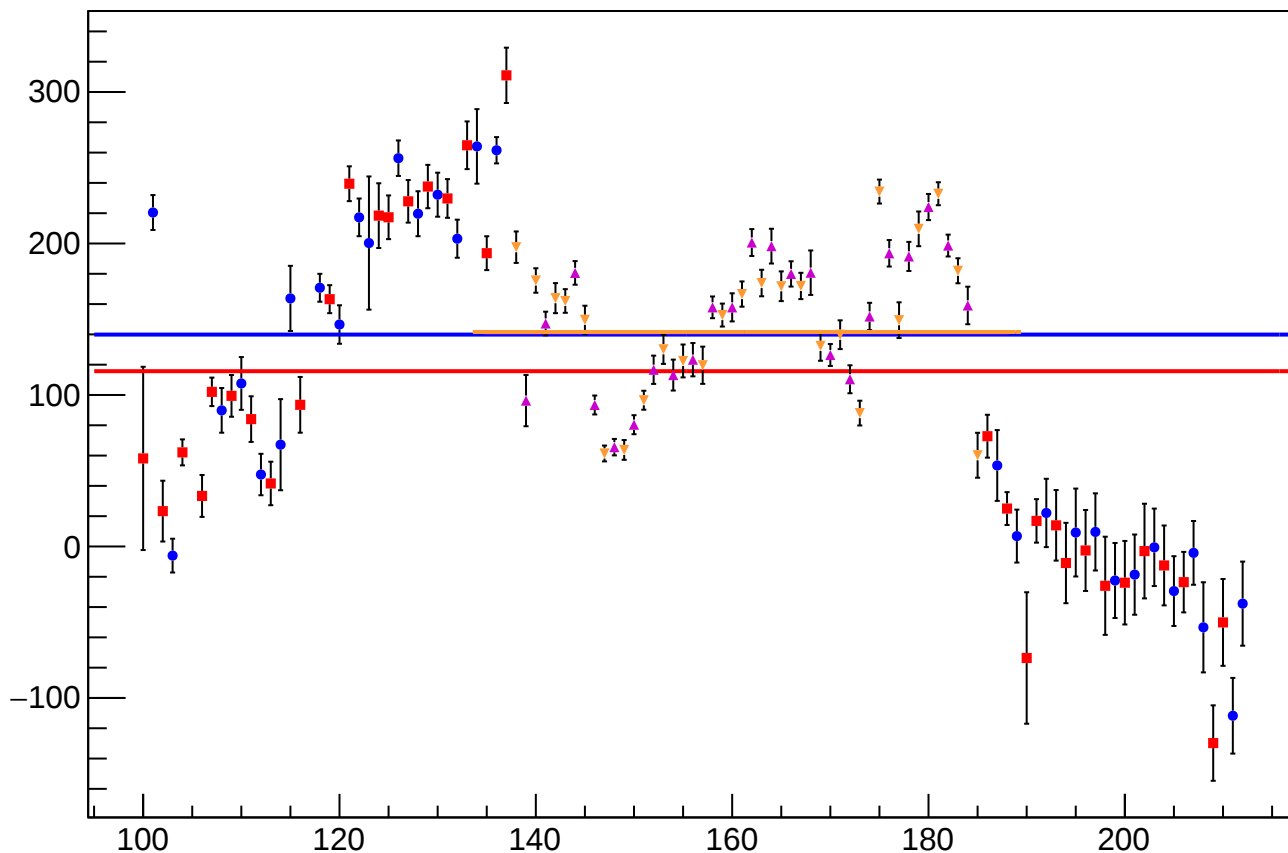
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF:2253.8/22

+ sign 537.396 $\pm$ 1.635 χ^2 /NDF: 8182.7/54

All: 545.068 $\pm$ 1.118 χ^2 /NDF: 22066.4/110

- sign 551.805 $\pm$ 1.532 χ^2 /NDF: 13842.4/55

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 139.869 $\pm$ 2.917 χ^2 /NDF: 1295.8/29

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 115.712 $\pm$ 2.659 χ^2 /NDF: 1285.4/32

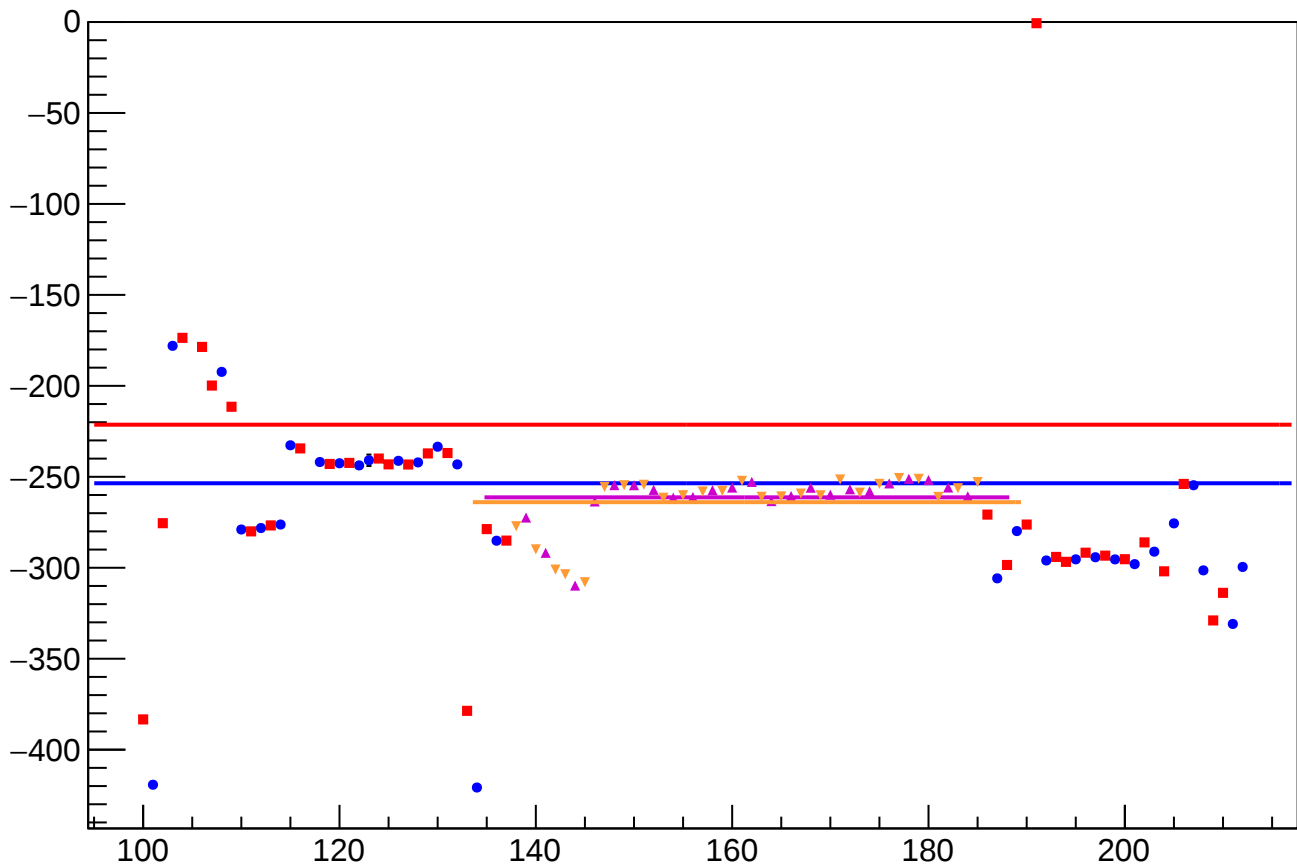
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 141.153 $\pm$ 1.468 χ^2 /NDF: 2255.7/54

All: 137.370 $\pm$ 1.035 χ^2 /NDF: 4360.5/110

- sign 133.623 $\pm$ 1.461 χ^2 /NDF: 2091.6/55

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -253.551 ± 0.135 $\chi^2/\text{NDF}: 202814.2/29$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -221.360 ± 0.122 $\chi^2/\text{NDF}: 506787.2/32$

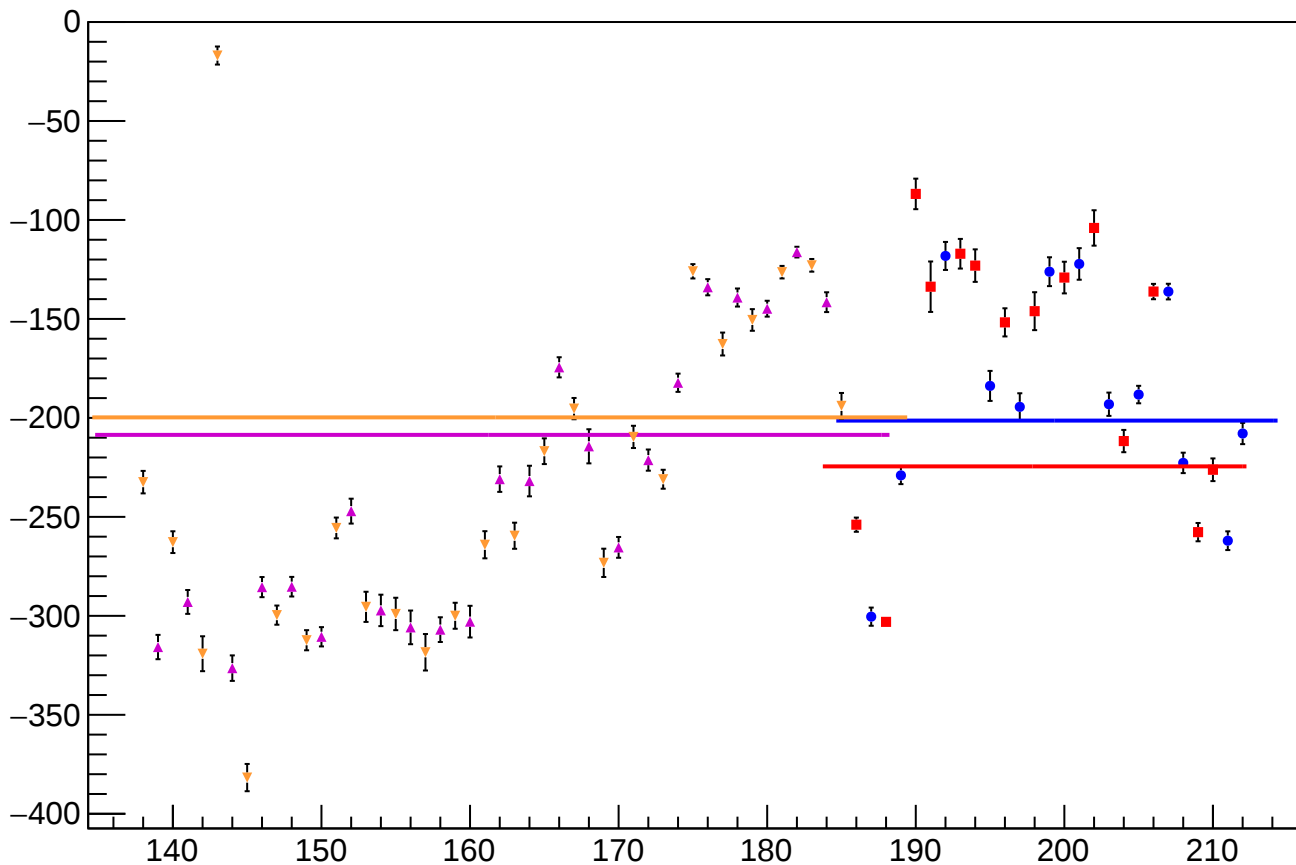
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -261.192 ± 0.070 $\chi^2/\text{NDF}: 246231.1/54$

All: -254.872 ± 0.049 $\chi^2/\text{NDF}: 866349.4/110$

- sign -248.847 ± 0.068 $\chi^2/\text{NDF}: 604043.1/55$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -201.360 $\pm$ 1.487 χ^2/NDF : 1319.0/12

Left Out: -199.741 $\pm$ 1.061 χ^2/NDF : 6361.5/24

Right Out: -224.496 $\pm$ 1.354 χ^2/NDF : 2964.7/13

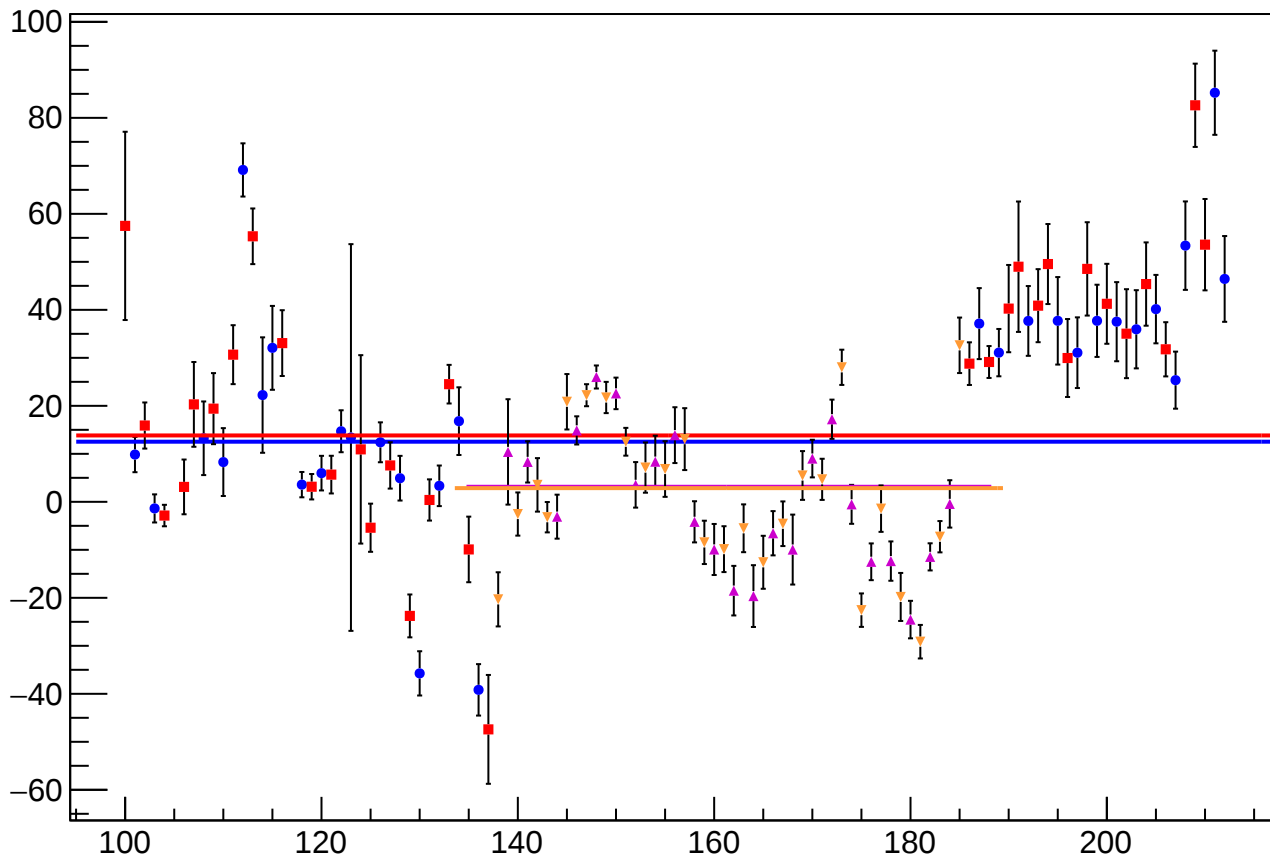
Left In: -208.579 $\pm$ 1.082 χ^2/NDF : 4805.1/22

+ sign -200.288 $\pm$ 0.864 χ^2/NDF : 7681.3/37

All: -207.691 $\pm$ 0.604 χ^2/NDF : 15679.3/74

- sign -214.784 $\pm$ 0.845 χ^2/NDF : 7854.1/36

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.527 $\pm$ 0.973 χ^2 /NDF: 561.3/29

Left Out: 2.853 $\pm$ 0.820 χ^2 /NDF: 419.8/24

Right Out: 13.829 $\pm$ 0.919 χ^2 /NDF: 513.1/32

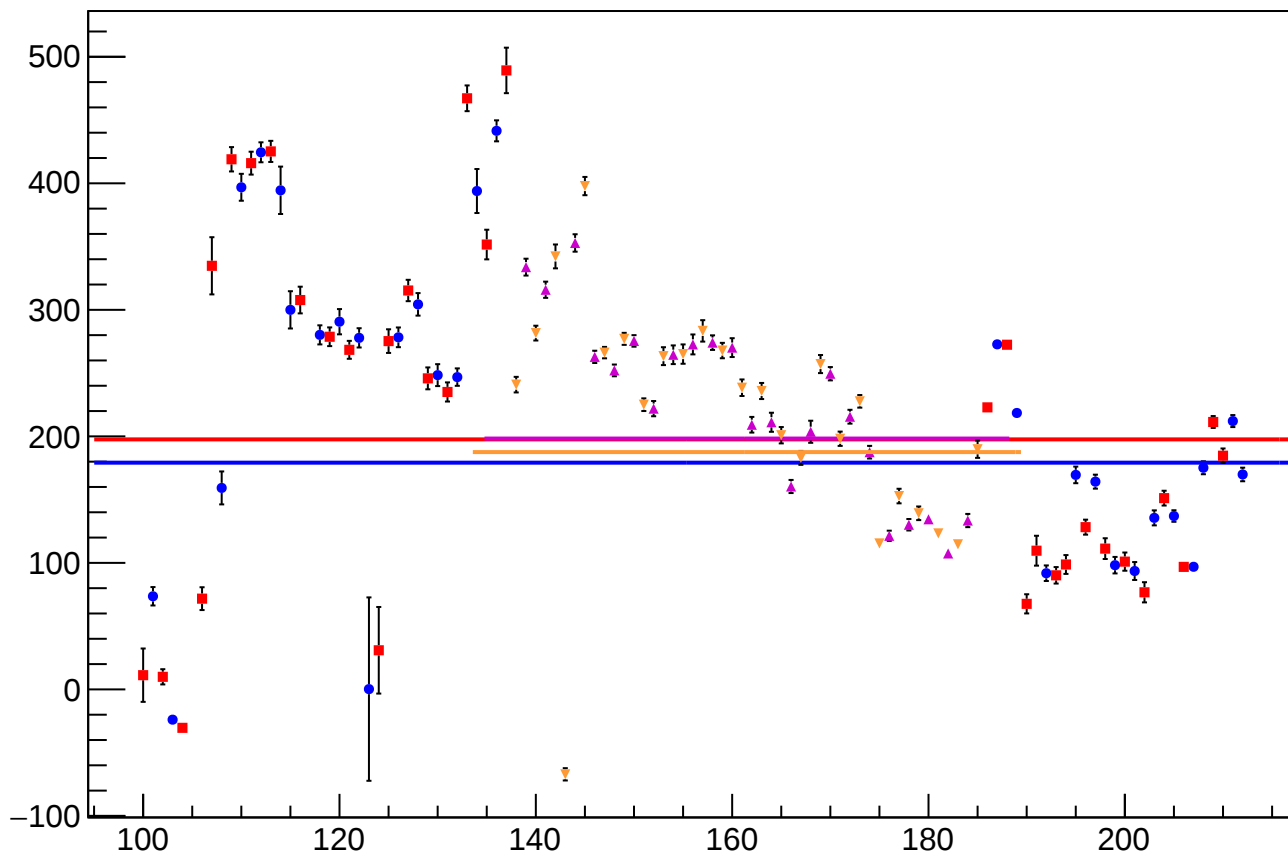
Left In: 3.136 $\pm$ 0.857 χ^2 /NDF: 319.8/22

+ sign 6.872 $\pm$ 0.627 χ^2 /NDF: 1039.0/54

All: 7.491 $\pm$ 0.443 χ^2 /NDF: 1946.3/110

- sign 8.109 $\pm$ 0.627 χ^2 /NDF: 905.3/55

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 179.212 $\pm$ 1.128 χ^2 /NDF: 8737.5/29

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 197.614 $\pm$ 1.005 χ^2 /NDF: 12144.7/32

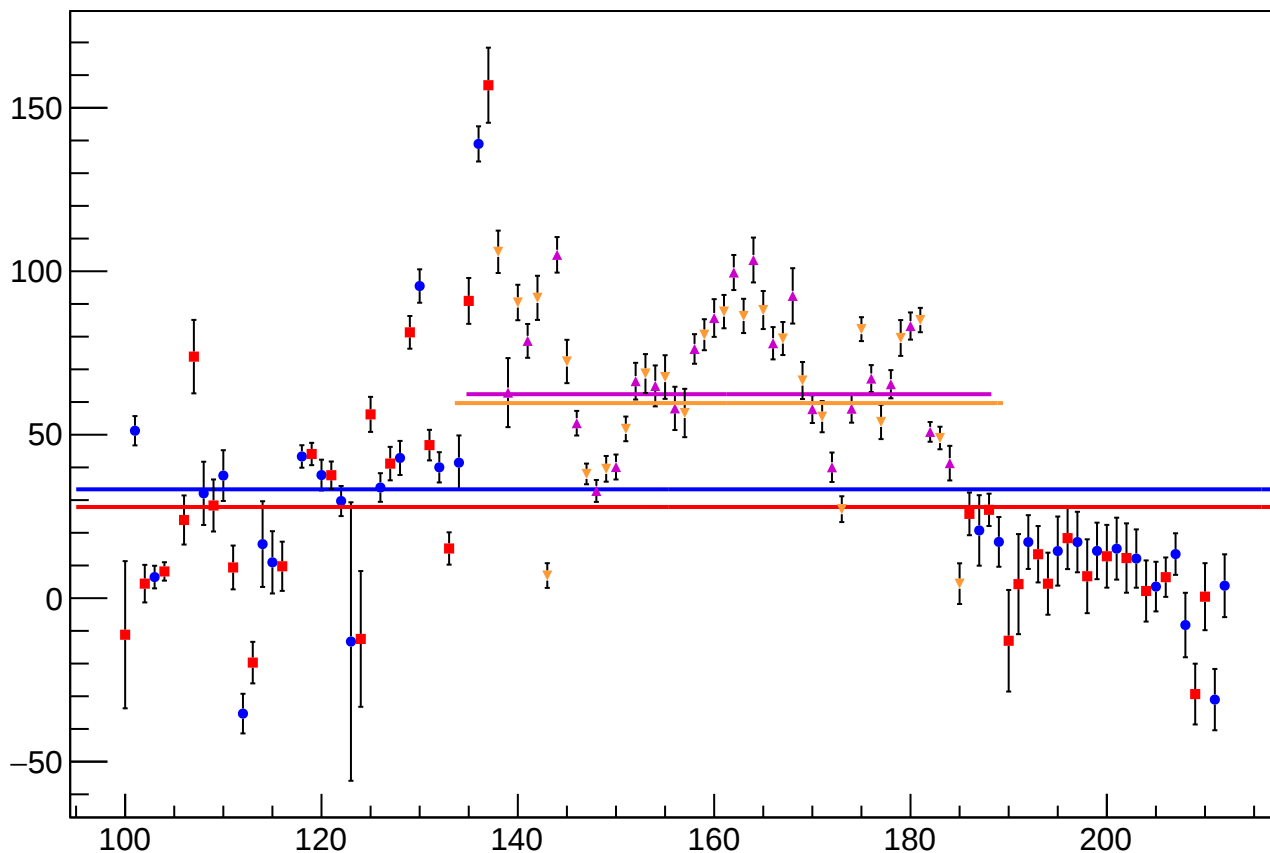
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 183.626 $\pm$ 0.775 χ^2 /NDF: 15848.5/54

All: 191.136 $\pm$ 0.534 χ^2 /NDF: 32687.9/110

- sign 197.917 $\pm$ 0.736 χ^2 /NDF: 16660.7/55

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 33.295 ± 1.134 $\chi^2/\text{NDF}: 892.1/29$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 27.891 ± 1.095 $\chi^2/\text{NDF}: 658.6/32$

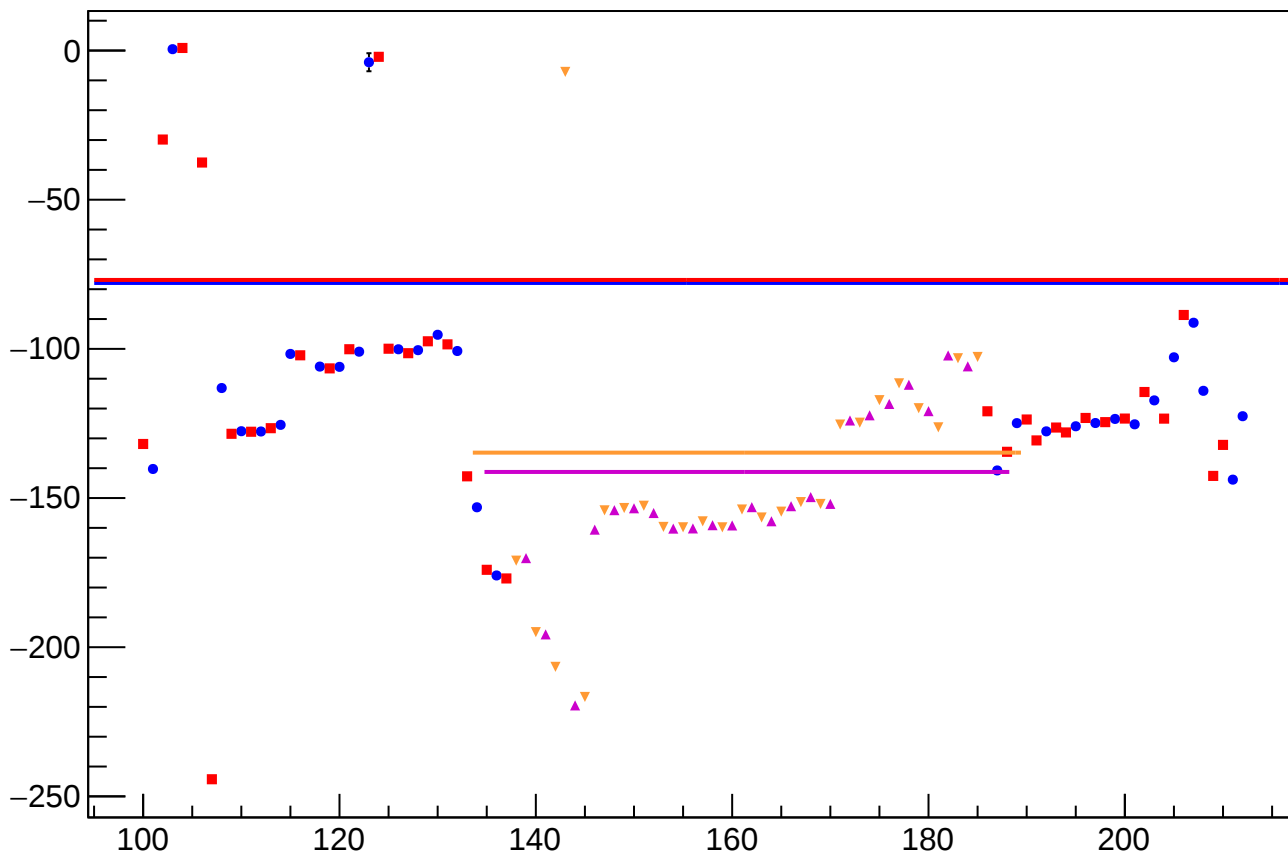
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 48.923 ± 0.724 $\chi^2/\text{NDF}: 1970.5/54$

All: 48.046 ± 0.513 $\chi^2/\text{NDF}: 3592.5/110$

- sign 47.159 ± 0.728 $\chi^2/\text{NDF}: 1619.1/55$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -77.904 ± 0.051 χ^2/NDF : 1446713.8/29

Left Out: -134.780 ± 0.045 χ^2/NDF : 804747.3/24

Right Out: -76.897 ± 0.049 χ^2/NDF : 1433041.1/32

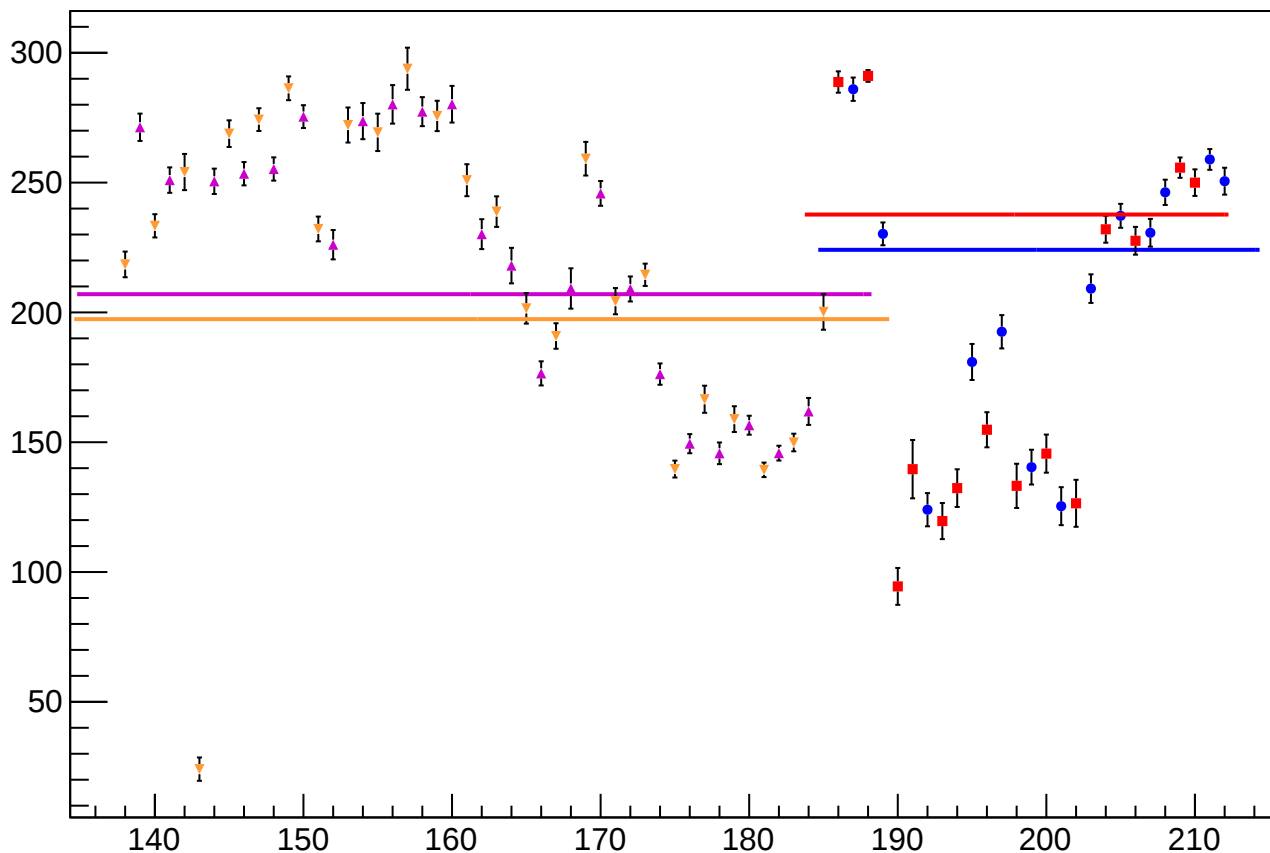
Left In: -141.255 ± 0.045 χ^2/NDF : 347229.8/22

+ sign -109.998 ± 0.033 χ^2/NDF : 2963150.1/54

All: -110.878 ± 0.024 χ^2/NDF : 5670434.6/11

- sign -111.753 ± 0.033 χ^2/NDF : 2705902.5/55

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 224.112 $\pm$ 1.461 χ^2/NDF : 977.0/12

Left Out: 197.408 $\pm$ 0.963 χ^2/NDF : 4384.2/24

Right Out: 237.694 $\pm$ 1.335 χ^2/NDF : 2326.7/13

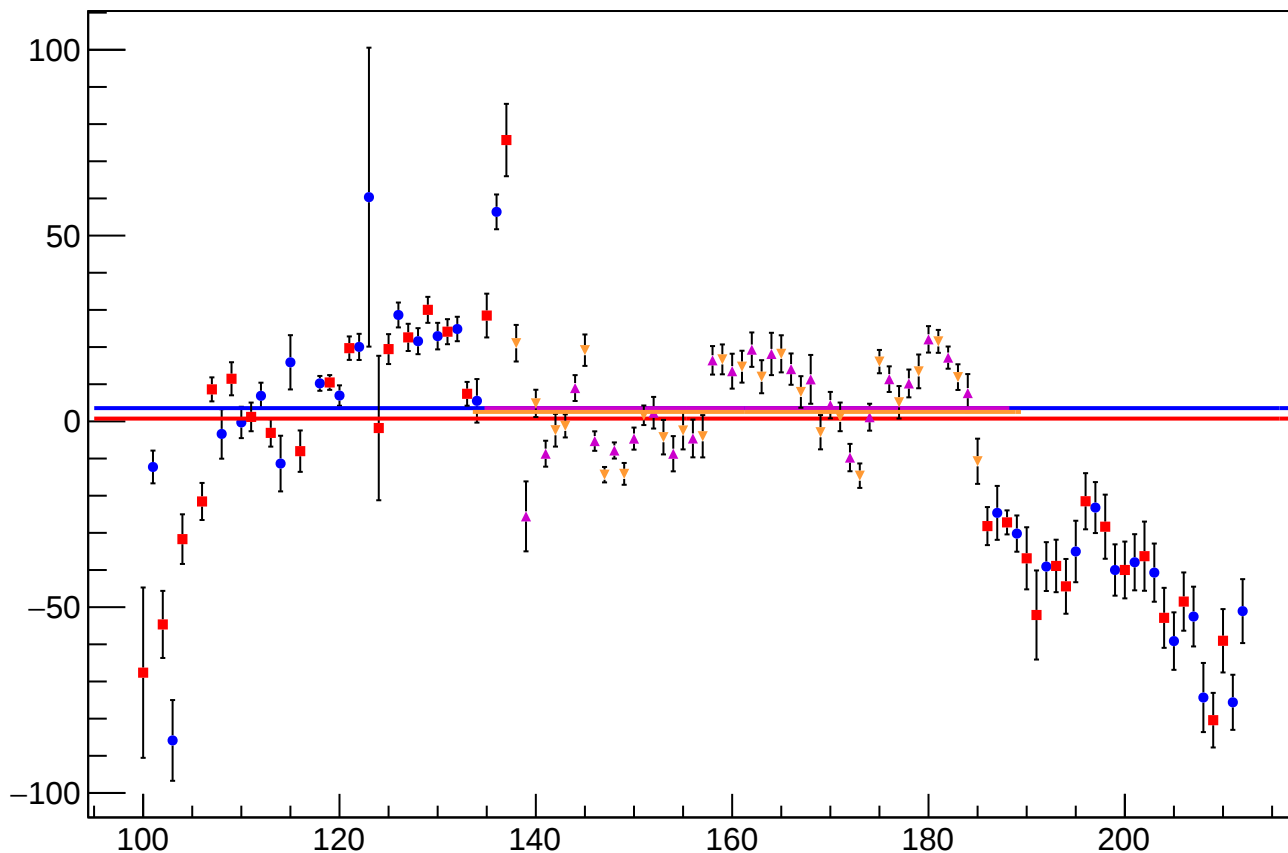
Left In: 207.014 $\pm$ 0.990 χ^2/NDF : 2611.5/22

+ sign 205.495 $\pm$ 0.804 χ^2/NDF : 5594.1/37

All: 211.768 $\pm$ 0.565 χ^2/NDF : 10993.5/74

- sign 217.906 $\pm$ 0.795 χ^2/NDF : 5279.0/36

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 3.567 ± 0.849 χ^2/NDF : 991.0/29

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 0.750 ± 0.813 χ^2/NDF : 961.0/32

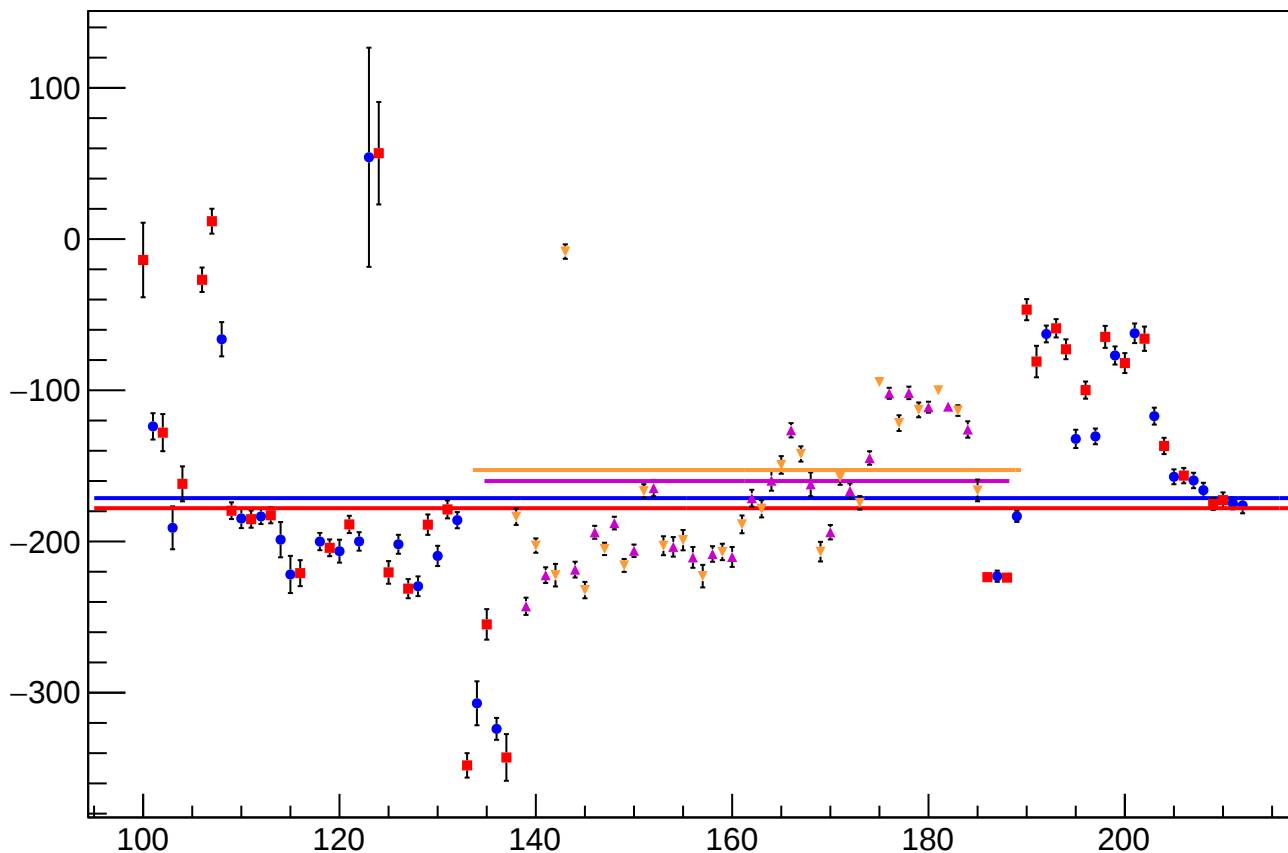
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 2.988 ± 0.558 χ^2/NDF : 1267.2/54

All: 2.608 ± 0.396 χ^2/NDF : 2427.4/110

- sign 2.224 ± 0.561 χ^2/NDF : 1159.2/55

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -171.321 ± 1.081 χ^2/NDF : 2233.7/29

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -177.985 ± 0.963 χ^2/NDF : 4580.1/32

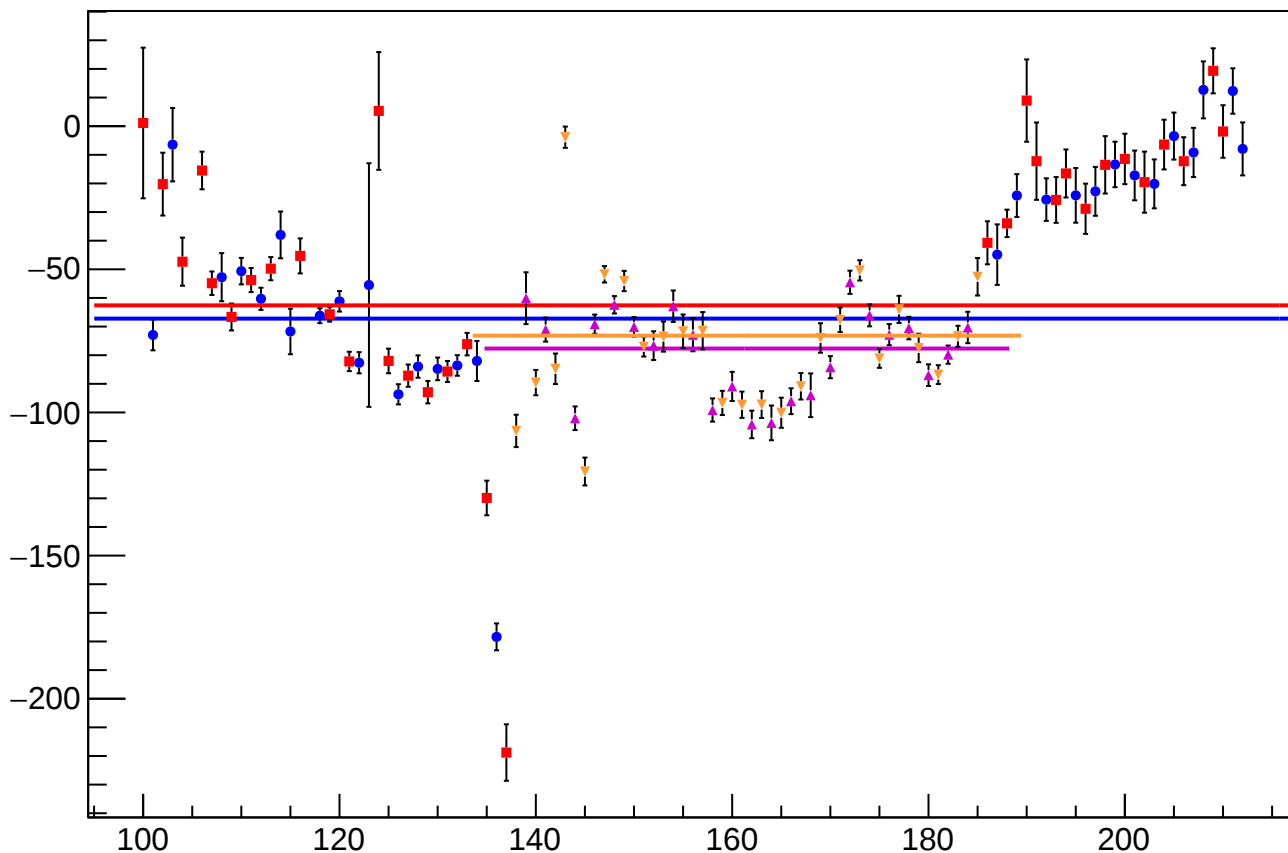
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -160.999 ± 0.721 χ^2/NDF : 5475.7/54

All: -165.297 ± 0.498 χ^2/NDF : 12317.6/110

- sign -169.237 ± 0.690 χ^2/NDF : 6773.8/55

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -67.220 ± 0.985 χ^2/NDF : 1292.6/29

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -62.592 ± 0.953 χ^2/NDF : 1147.3/32

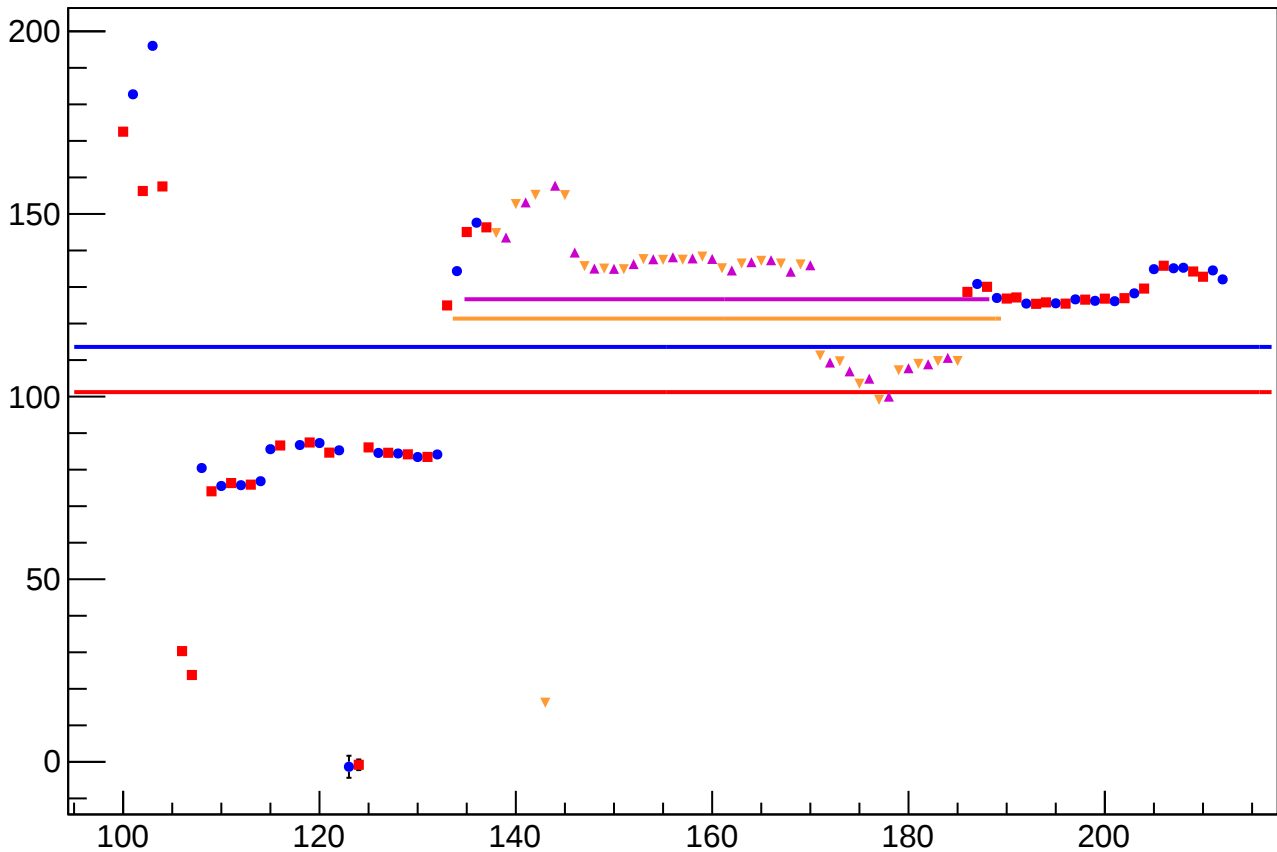
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -70.625 ± 0.644 χ^2/NDF : 2102.1/54

All: -70.666 ± 0.457 χ^2/NDF : 3632.6/110

- sign -70.707 ± 0.647 χ^2/NDF : 1530.5/55

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 113.602 $\pm$ 0.055 χ^2 /NDF: 324354.5/29

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 101.227 $\pm$ 0.050 χ^2 /NDF: 595275.6/32

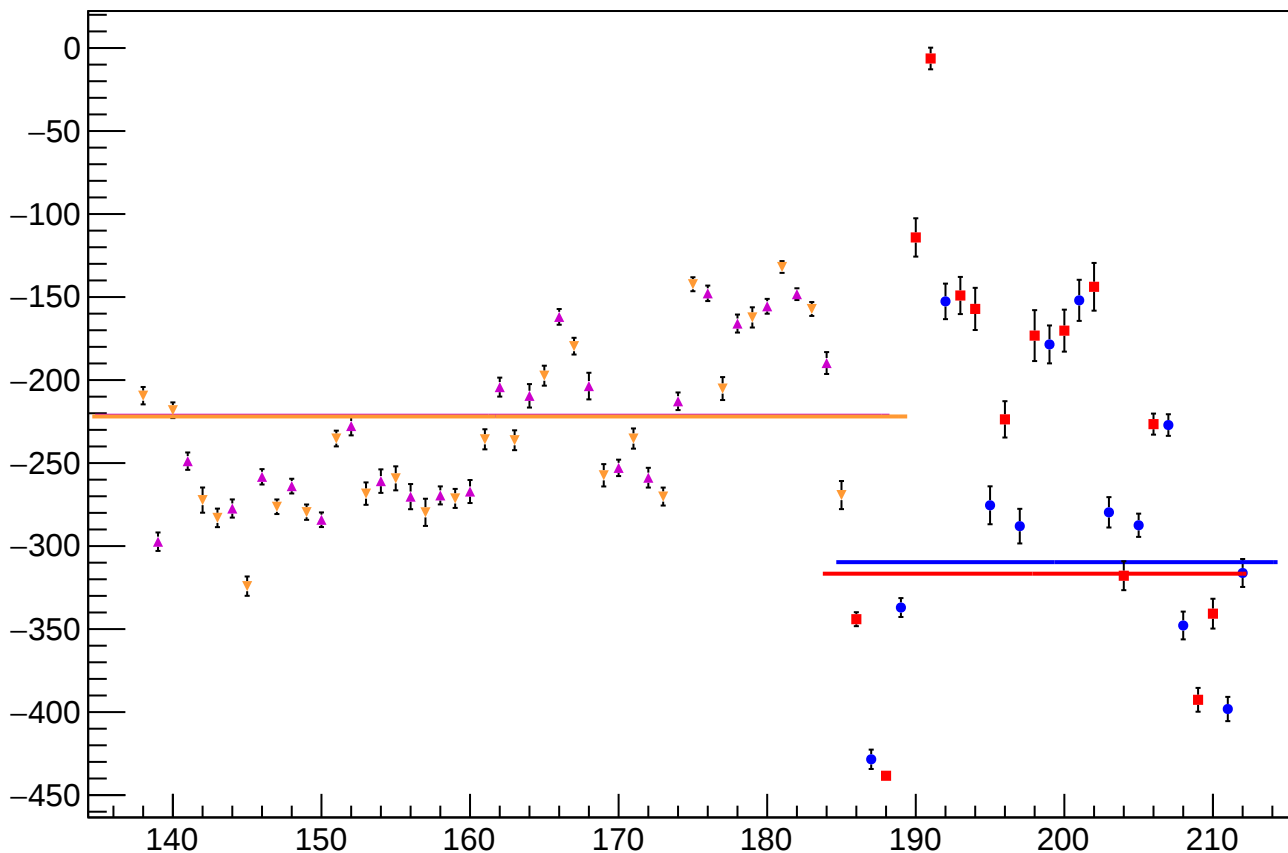
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 118.636 $\pm$ 0.032 χ^2 /NDF: 819315.5/54

All: 117.557 $\pm$ 0.023 χ^2 /NDF: 1732523.6/110

- sign 116.519 $\pm$ 0.032 χ^2 /NDF: 911041.8/55

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -309.682 $\pm$ 2.219 χ^2/NDF : 1310.6/12

Left Out: -221.934 $\pm$ 1.084 χ^2/NDF : 2578.4/24

Right Out: -316.633 $\pm$ 1.814 χ^2/NDF : 5365.3/13

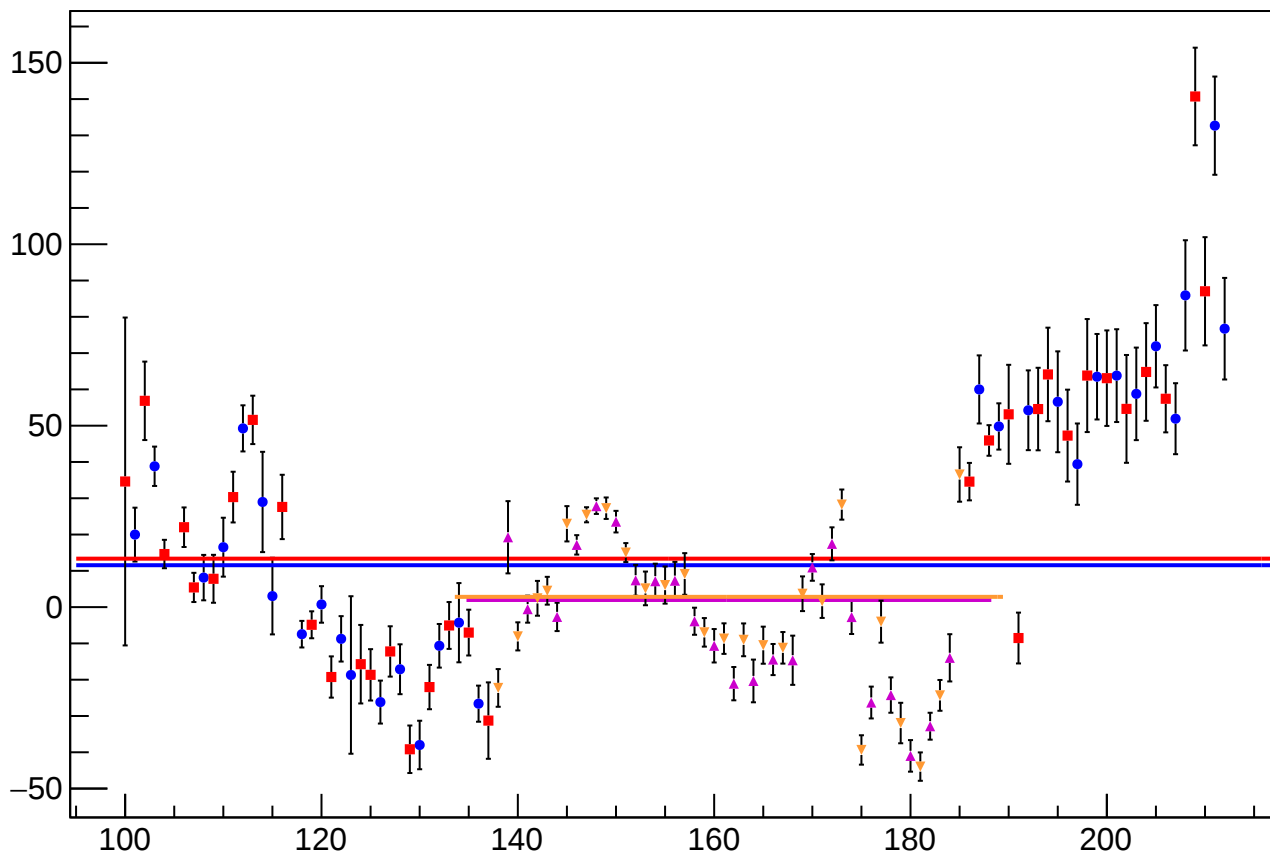
Left In: -221.483 $\pm$ 1.102 χ^2/NDF : 2149.8/22

+ sign -238.856 $\pm$ 0.974 χ^2/NDF : 5151.6/37

All: -243.136 $\pm$ 0.677 χ^2/NDF : 14713.3/74

- sign -247.137 $\pm$ 0.942 χ^2/NDF : 9524.3/36

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 11.549 ± 1.371 χ^2/NDF : 611.4/29

Left Out: 2.832 ± 0.807 χ^2/NDF : 686.9/24

Right Out: 13.356 ± 1.203 χ^2/NDF : 612.2/32

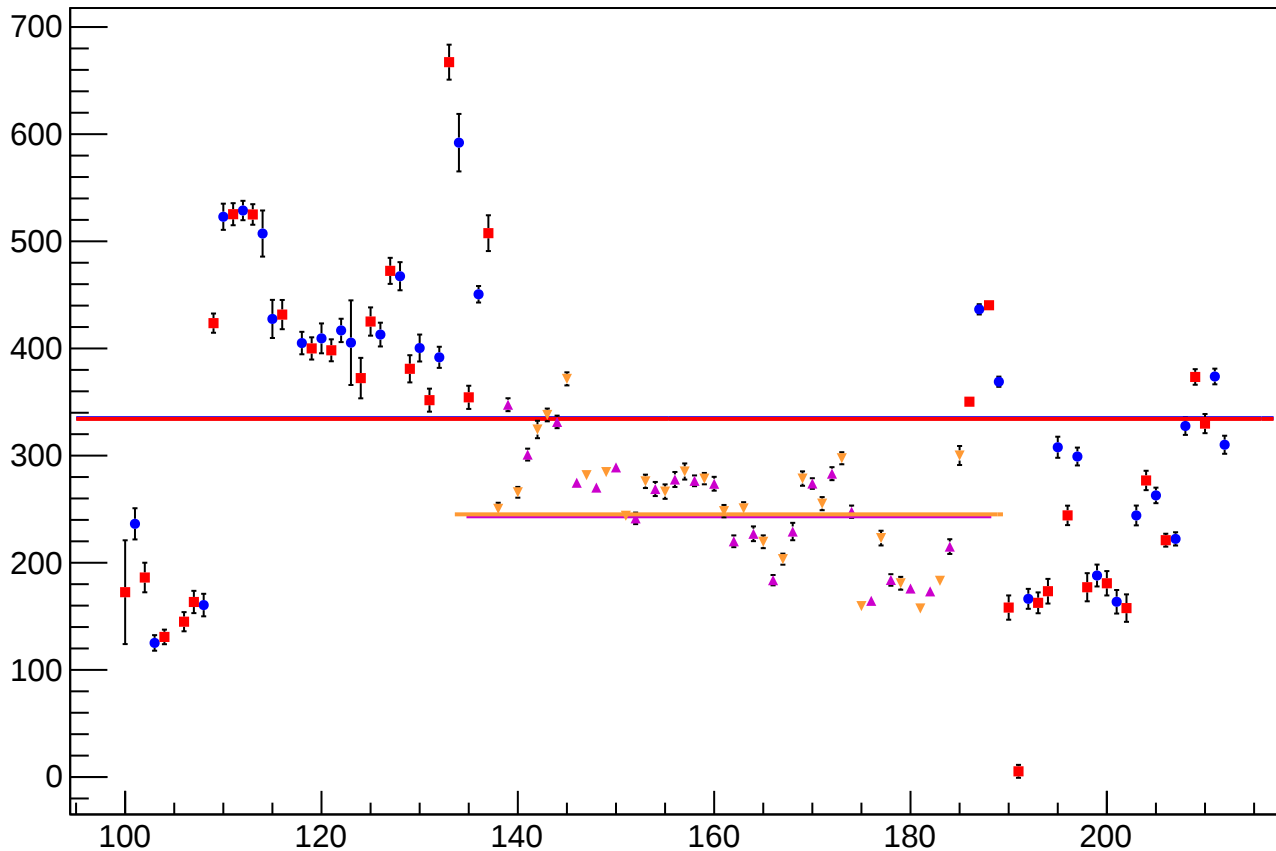
Left In: 1.969 ± 0.835 χ^2/NDF : 589.1/22

+ sign 5.075 ± 0.695 χ^2/NDF : 1328.4/54

All: 5.376 ± 0.488 χ^2/NDF : 2590.5/110

- sign 5.668 ± 0.686 χ^2/NDF : 1261.8/55

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 334.943 ± 1.633 $\chi^2/\text{NDF}: 4474.1/29$

Left Out: 245.179 ± 1.082 $\chi^2/\text{NDF}: 2597.4/24$

Right Out: 334.257 ± 1.330 $\chi^2/\text{NDF}: 10097.4/32$

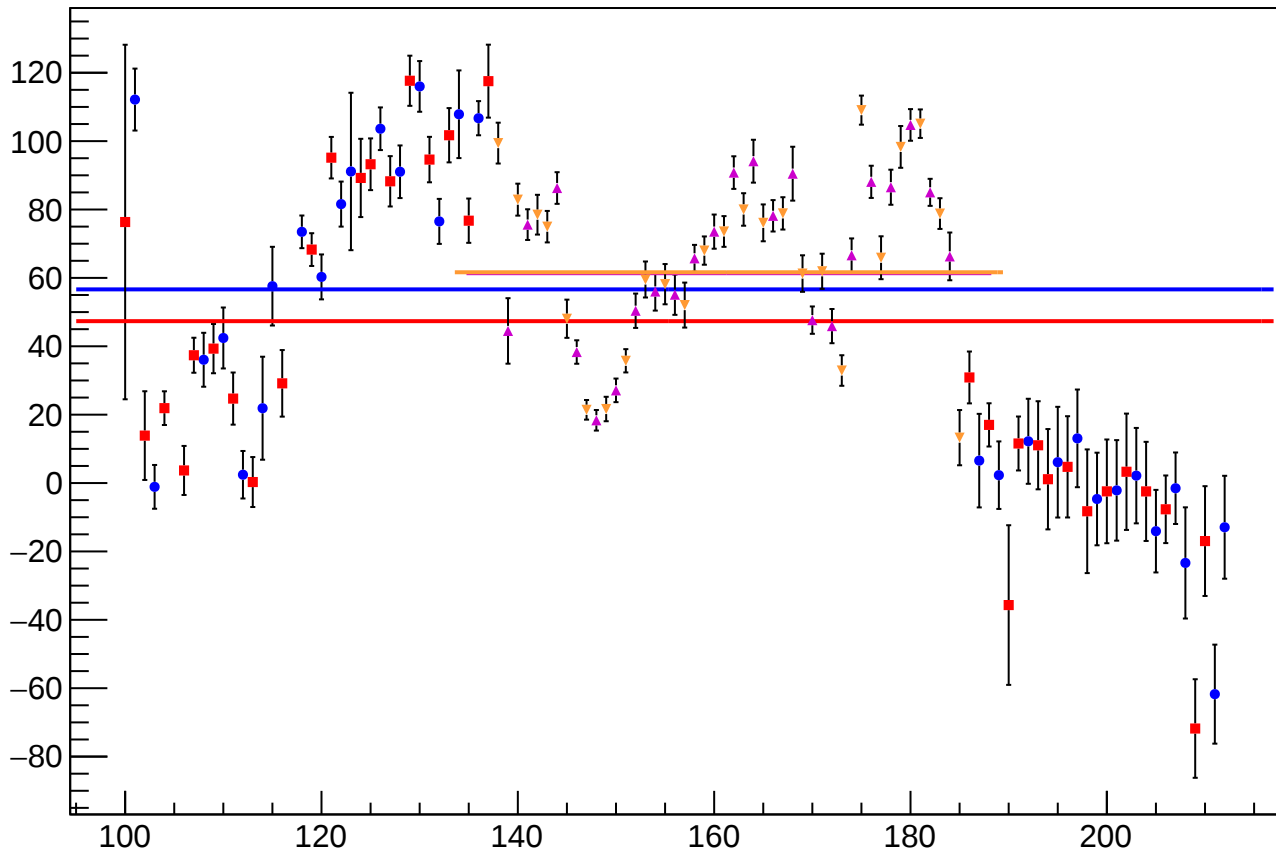
Left In: 243.366 ± 1.094 $\chi^2/\text{NDF}: 2236.7/22$

+ sign 272.571 ± 0.902 $\chi^2/\text{NDF}: 9171.7/54$

All: 276.542 ± 0.617 $\chi^2/\text{NDF}: 24328.1/110$

- sign 280.026 ± 0.845 $\chi^2/\text{NDF}: 15120.1/55$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 56.642 ± 1.591 $\chi^2/\text{NDF}: 795.1/29$

Left Out: 61.647 ± 0.936 $\chi^2/\text{NDF}: 871.5/24$

Right Out: 47.348 ± 1.436 $\chi^2/\text{NDF}: 786.1/32$

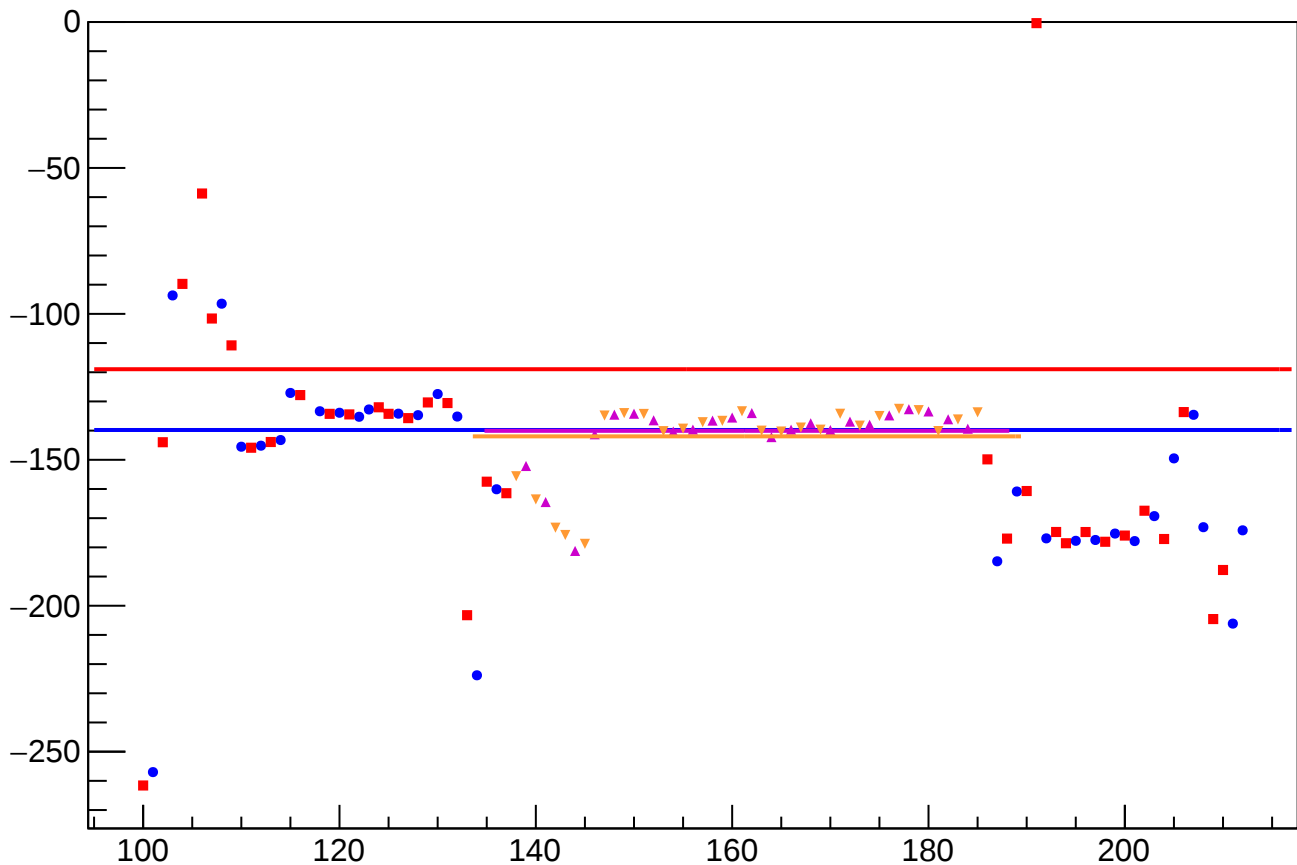
Left In: 61.375 ± 0.961 $\chi^2/\text{NDF}: 699.7/22$

+ sign 60.360 ± 0.807 $\chi^2/\text{NDF}: 1673.9/54$

All: 58.681 ± 0.568 $\chi^2/\text{NDF}: 3234.1/110$

- sign 57.036 ± 0.799 $\chi^2/\text{NDF}: 1551.6/55$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -139.785+/-0.075 χ^2/NDF : 248326.6/29

Left Out: -141.969+/-0.045 χ^2/NDF : 80252.6/24

Right Out: -118.964+/-0.067 χ^2/NDF : 634103.8/32

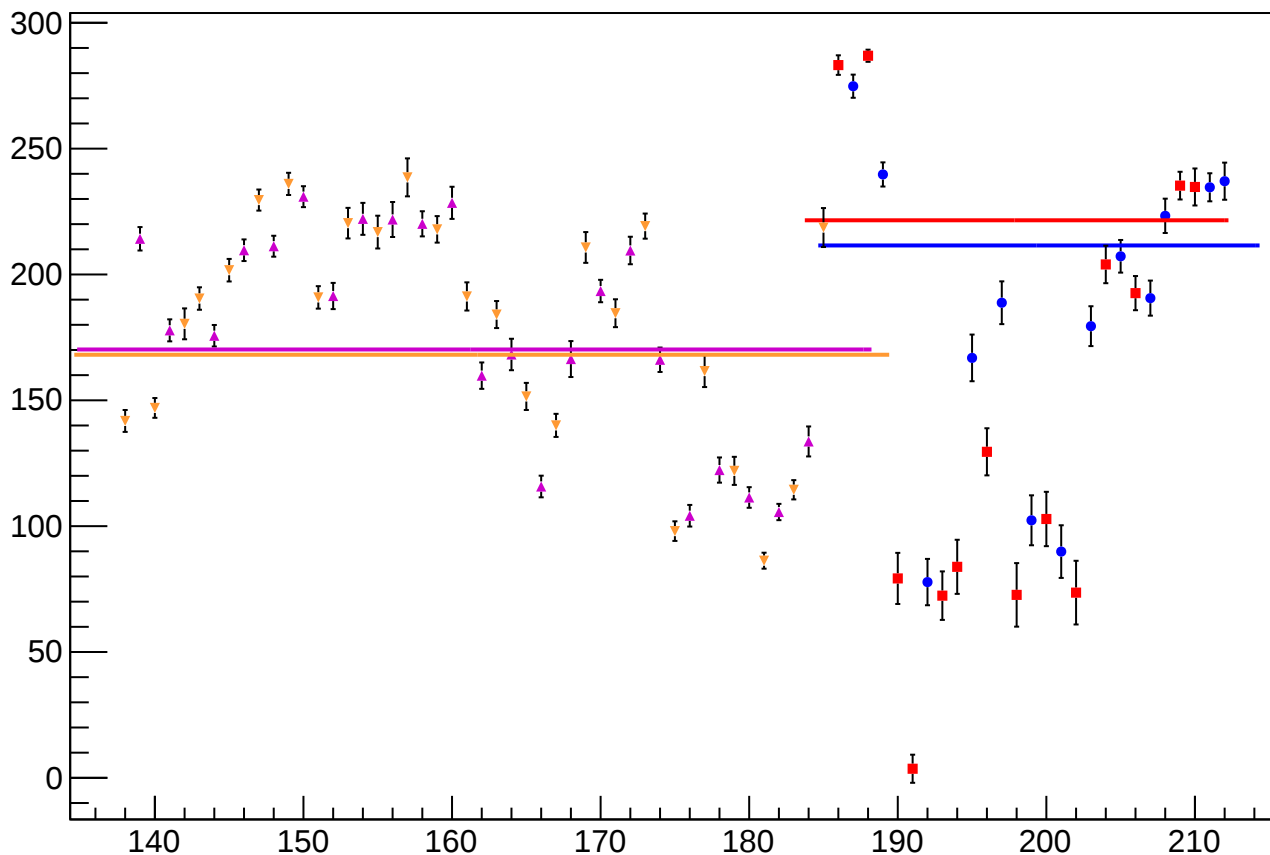
Left In: -140.068+/-0.045 χ^2/NDF : 48030.7/22

+ sign -141.398+/-0.038 χ^2/NDF : 329203.8/54

All: -137.328+/-0.027 χ^2/NDF : 1101755.0/11

- sign -133.485+/-0.037 χ^2/NDF : 750731.0/55

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 211.532 ± 1.891 $\chi^2/\text{NDF}: 779.4/12$

Left Out: 168.106 ± 0.970 $\chi^2/\text{NDF}: 2468.8/24$

Right Out: 221.529 ± 1.537 $\chi^2/\text{NDF}: 3636.8/13$

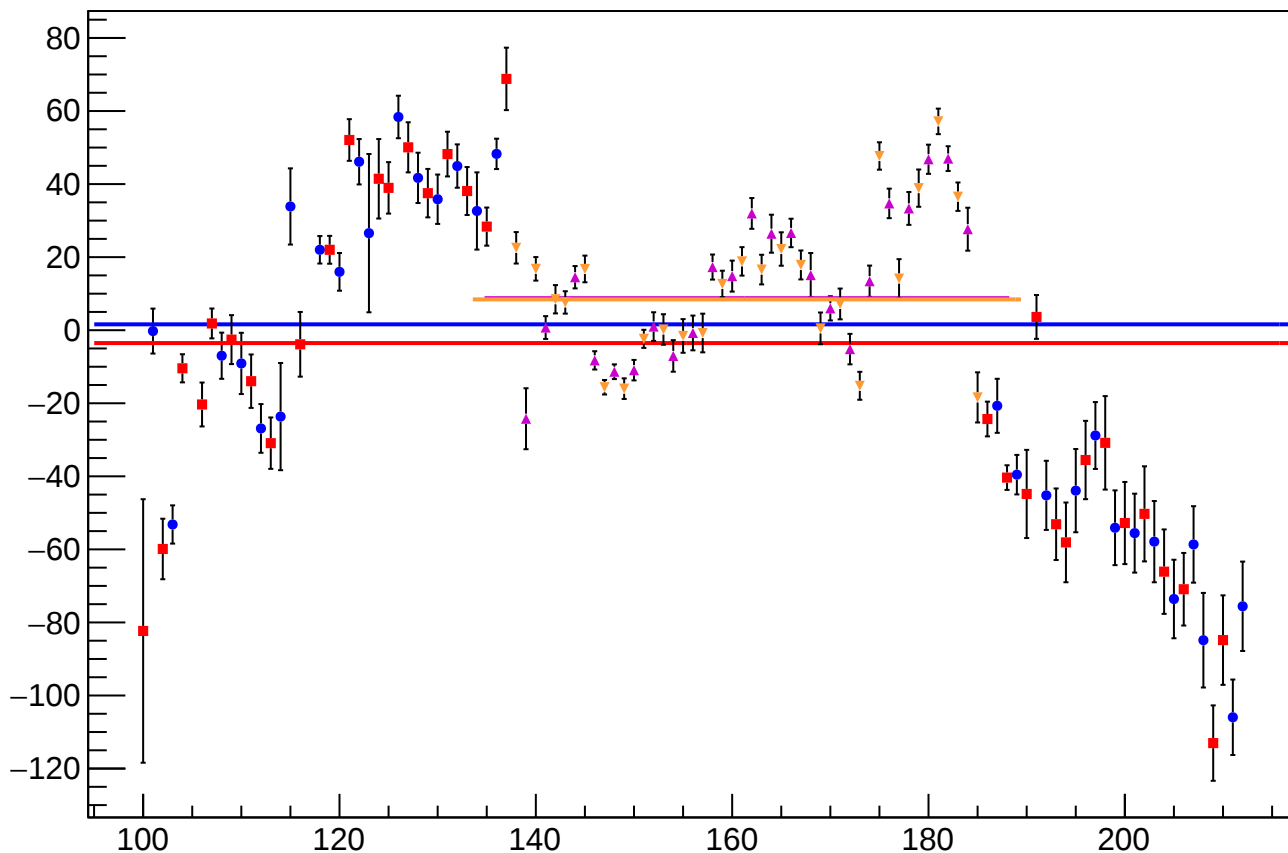
Left In: 170.198 ± 0.995 $\chi^2/\text{NDF}: 2024.5/22$

+ sign 177.156 ± 0.863 $\chi^2/\text{NDF}: 3665.6/37$

All: 181.394 ± 0.600 $\chi^2/\text{NDF}: 10159.4/74$

- sign 185.364 ± 0.835 $\chi^2/\text{NDF}: 6447.0/36$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 1.604 +/- 1.300 χ^2/NDF : 1056.2/29

Left Out: 8.436 +/- 0.728 χ^2/NDF : 752.0/24

Right Out: -3.517 +/- 1.144 χ^2/NDF : 1074.1/32

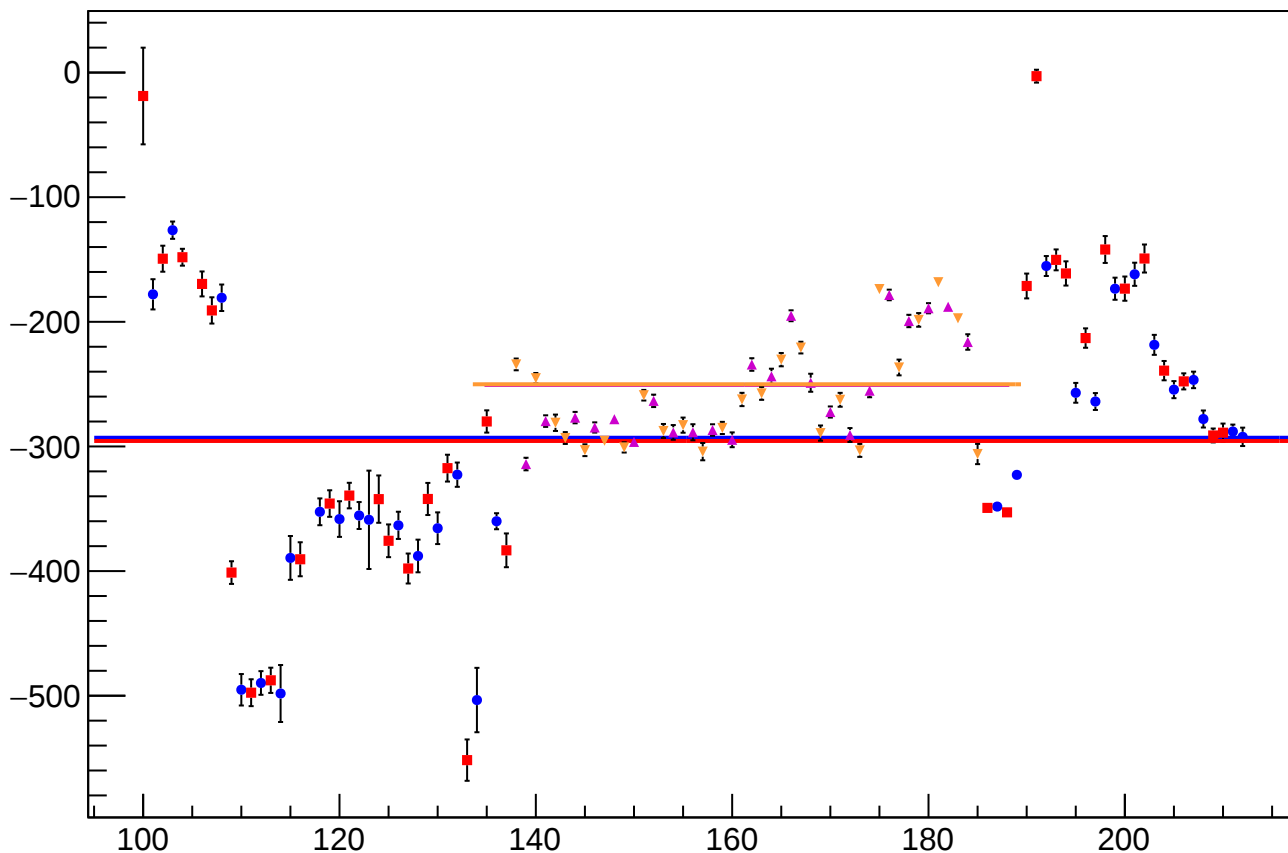
Left In: 8.769 +/- 0.758 χ^2/NDF : 626.8/22

+ sign 6.805 +/- 0.635 χ^2/NDF : 1829.3/54

All: 5.906 +/- 0.448 χ^2/NDF : 3614.3/110

- sign 5.017 +/- 0.632 χ^2/NDF : 1781.1/55

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -293.019 ± 1.442 χ^2/NDF : 3131.9/29

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -295.595 ± 1.166 χ^2/NDF : 8111.4/32

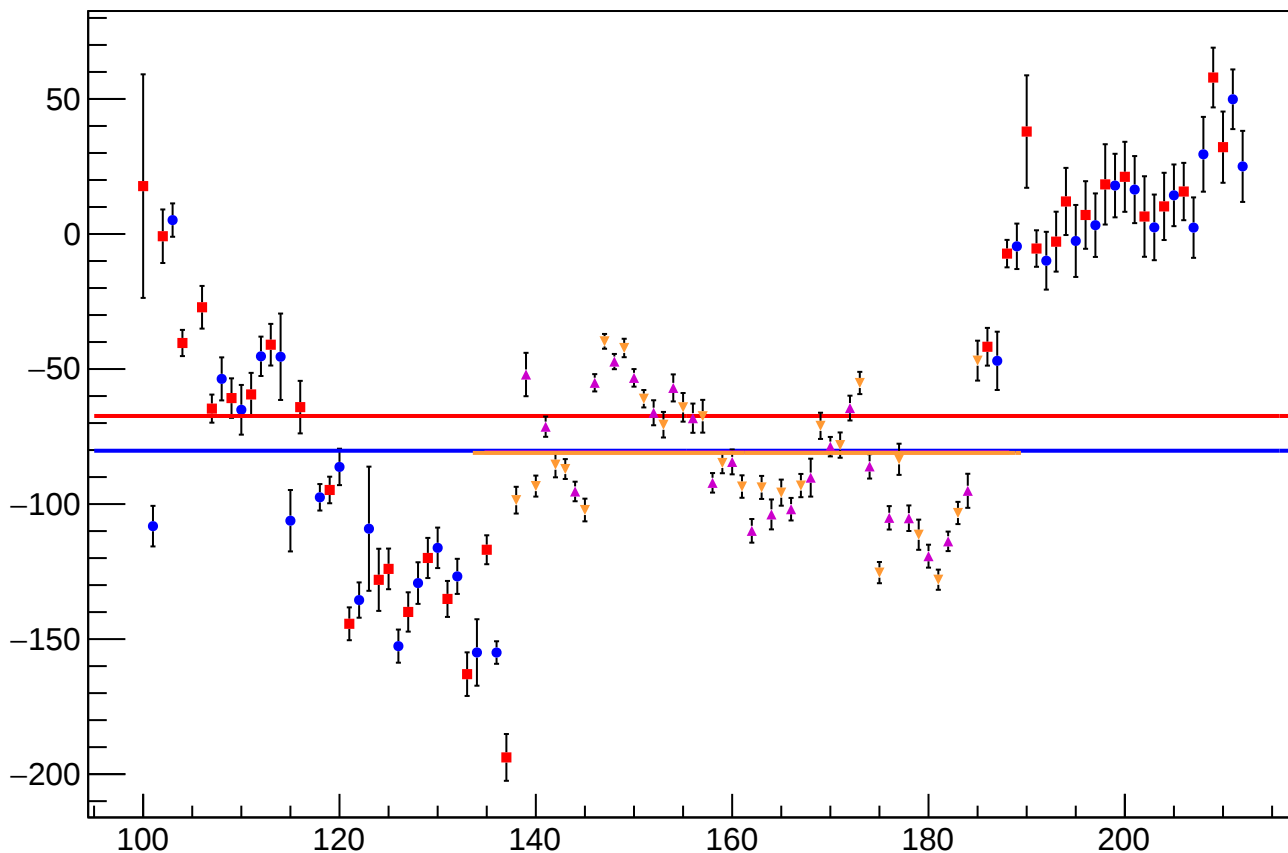
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -263.525 ± 0.806 χ^2/NDF : 5987.2/54

All: -266.693 ± 0.551 χ^2/NDF : 16928.6/110

- sign -269.470 ± 0.755 χ^2/NDF : 10912.4/55

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -80.250 ± 1.509 $\chi^2/\text{NDF}: 1732.5/29$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -67.384 ± 1.369 $\chi^2/\text{NDF}: 1850.3/32$

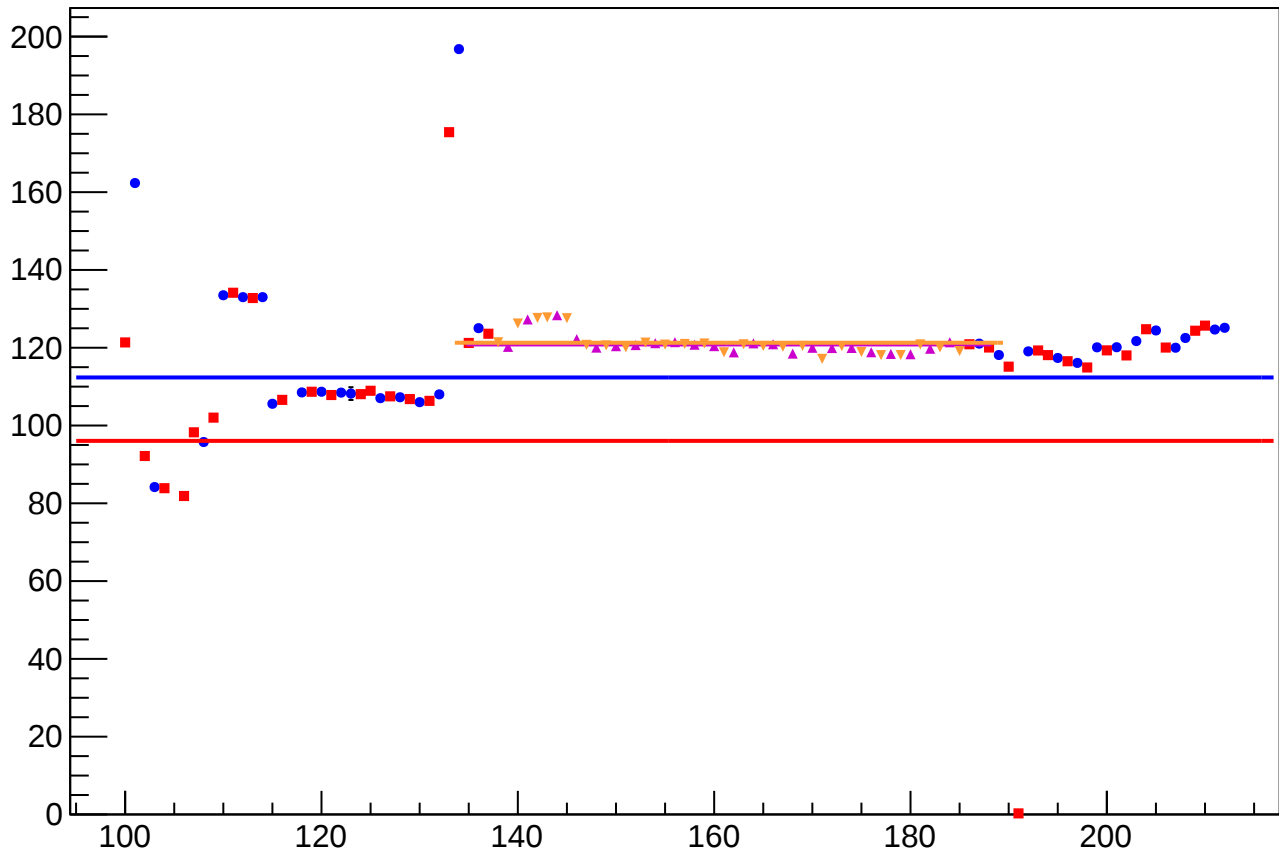
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -80.865 ± 0.736 $\chi^2/\text{NDF}: 2645.7/54$

All: -78.909 ± 0.520 $\chi^2/\text{NDF}: 5271.9/110$

- sign -76.955 ± 0.735 $\chi^2/\text{NDF}: 2612.0/55$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.358 $\pm$ 0.069 χ^2 /NDF: 80001.0/29

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 96.053 $\pm$ 0.062 χ^2 /NDF: 369034.8/32

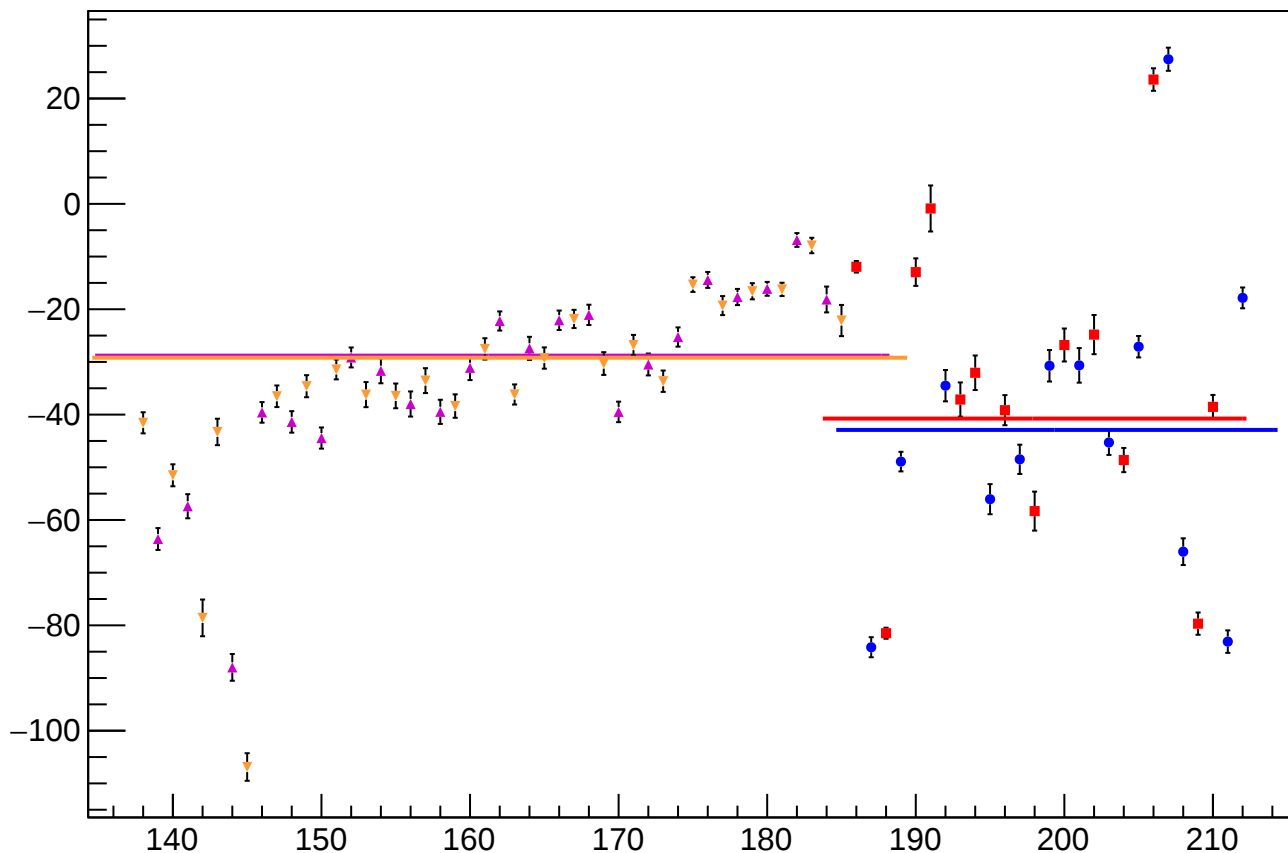
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 119.051 $\pm$ 0.035 χ^2 /NDF: 97324.9/54

All: 116.125 $\pm$ 0.024 χ^2 /NDF: 596145.6/110

- sign 113.326 $\pm$ 0.034 χ^2 /NDF: 484931.9/55

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -42.905 ± 0.646 $\chi^2/\text{NDF}: 2228.0/12$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -40.752 ± 0.549 $\chi^2/\text{NDF}: 3720.3/13$

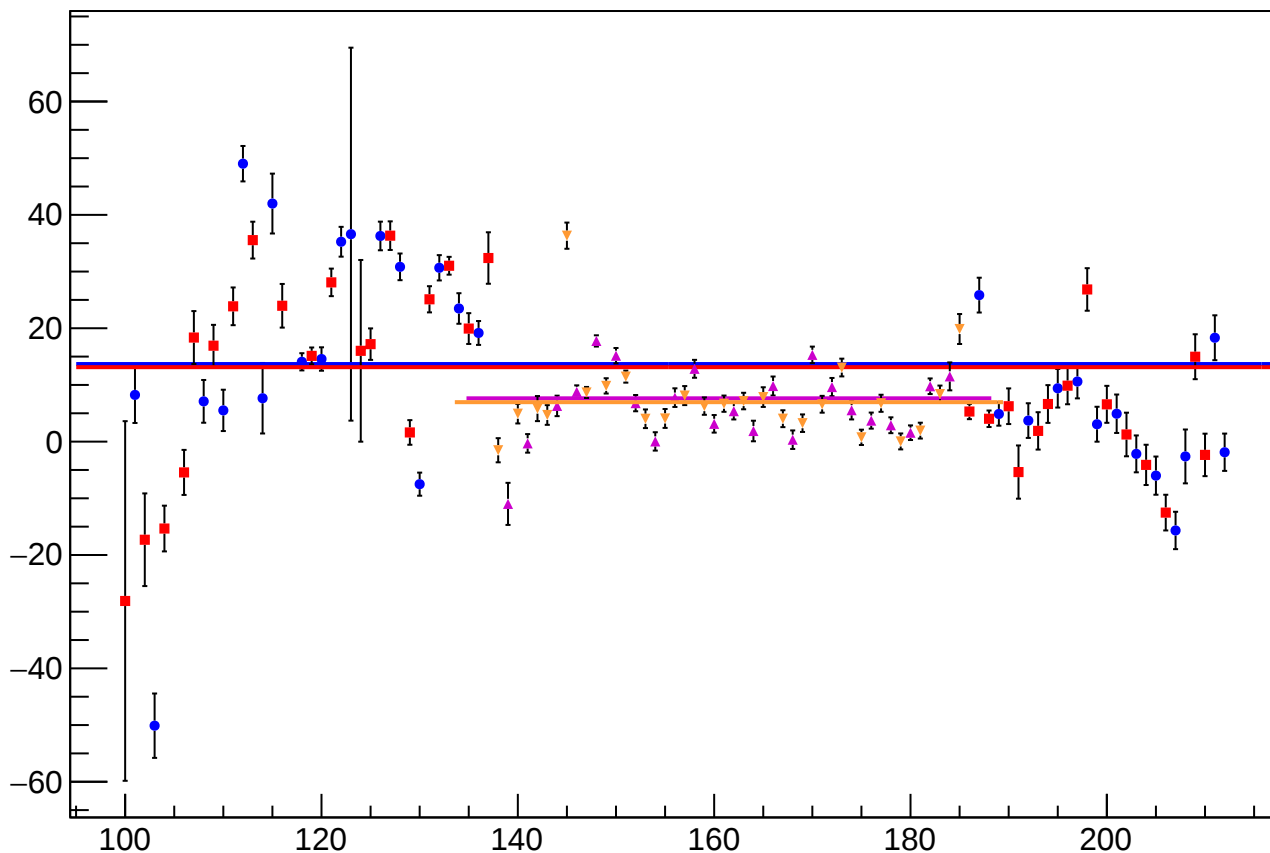
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -32.838 ± 0.333 $\chi^2/\text{NDF}: 4439.8/37$

All: -32.865 ± 0.231 $\chi^2/\text{NDF}: 10235.6/74$

- sign -32.890 ± 0.321 $\chi^2/\text{NDF}: 5795.9/36$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 13.686 ± 0.523 χ^2/NDF : 918.8/29

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 13.133 ± 0.476 χ^2/NDF : 734.4/32

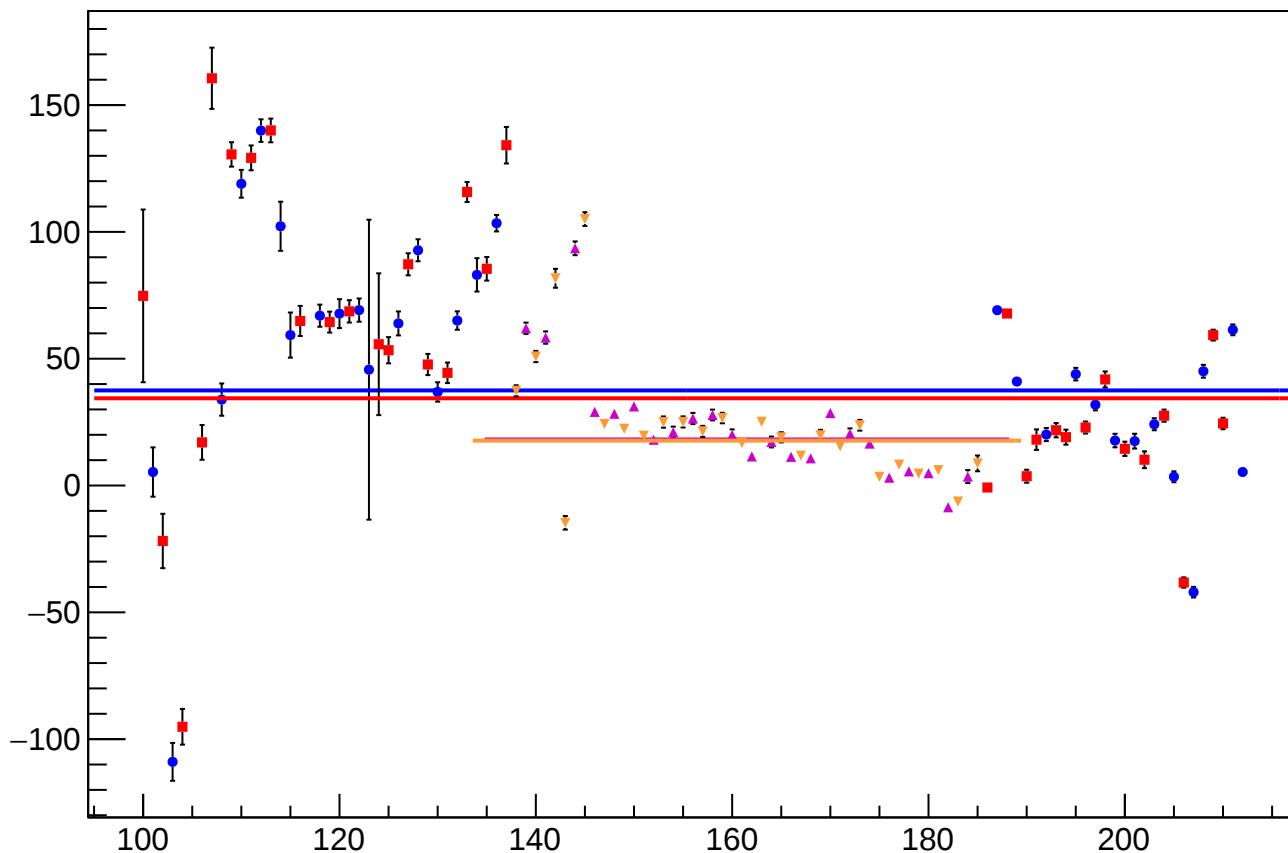
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 8.649 ± 0.262 χ^2/NDF : 1363.8/54

All: 8.975 ± 0.185 χ^2/NDF : 2531.9/110

- sign 9.299 ± 0.262 χ^2/NDF : 1165.0/55

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 37.494 ± 0.536 χ^2/NDF : 4733.4/29

Left Out: 17.705 ± 0.387 χ^2/NDF : 2432.2/24

Right Out: 34.396 ± 0.441 χ^2/NDF : 7767.9/32

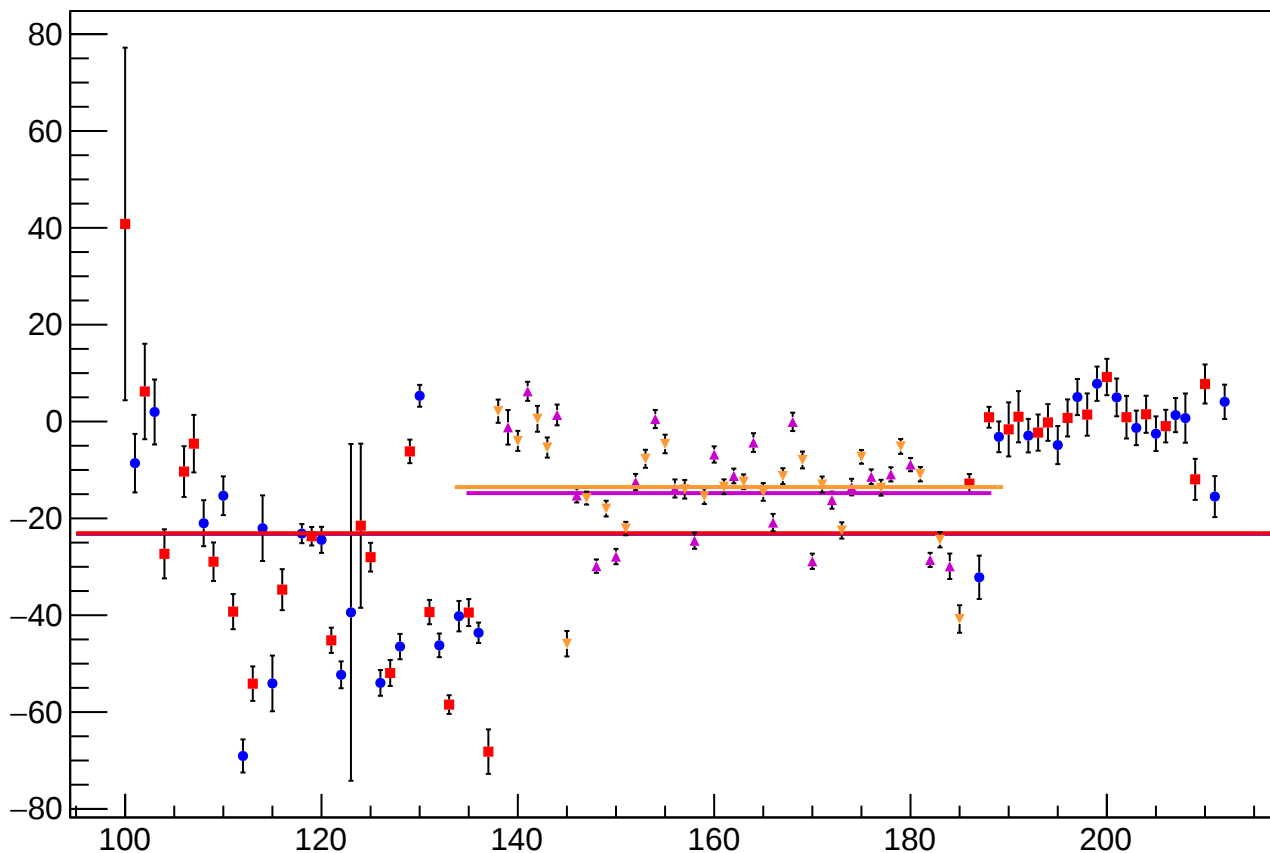
Left In: 18.150 ± 0.393 χ^2/NDF : 2339.4/22

+ sign 24.497 ± 0.314 χ^2/NDF : 8061.9/54

All: 24.943 ± 0.214 χ^2/NDF : 18930.1/110

- sign 25.332 ± 0.293 χ^2/NDF : 10864.4/55

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -23.179 ± 0.606 $\chi^2/\text{NDF}: 1418.9/29$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -23.084 ± 0.574 $\chi^2/\text{NDF}: 1459.6/32$

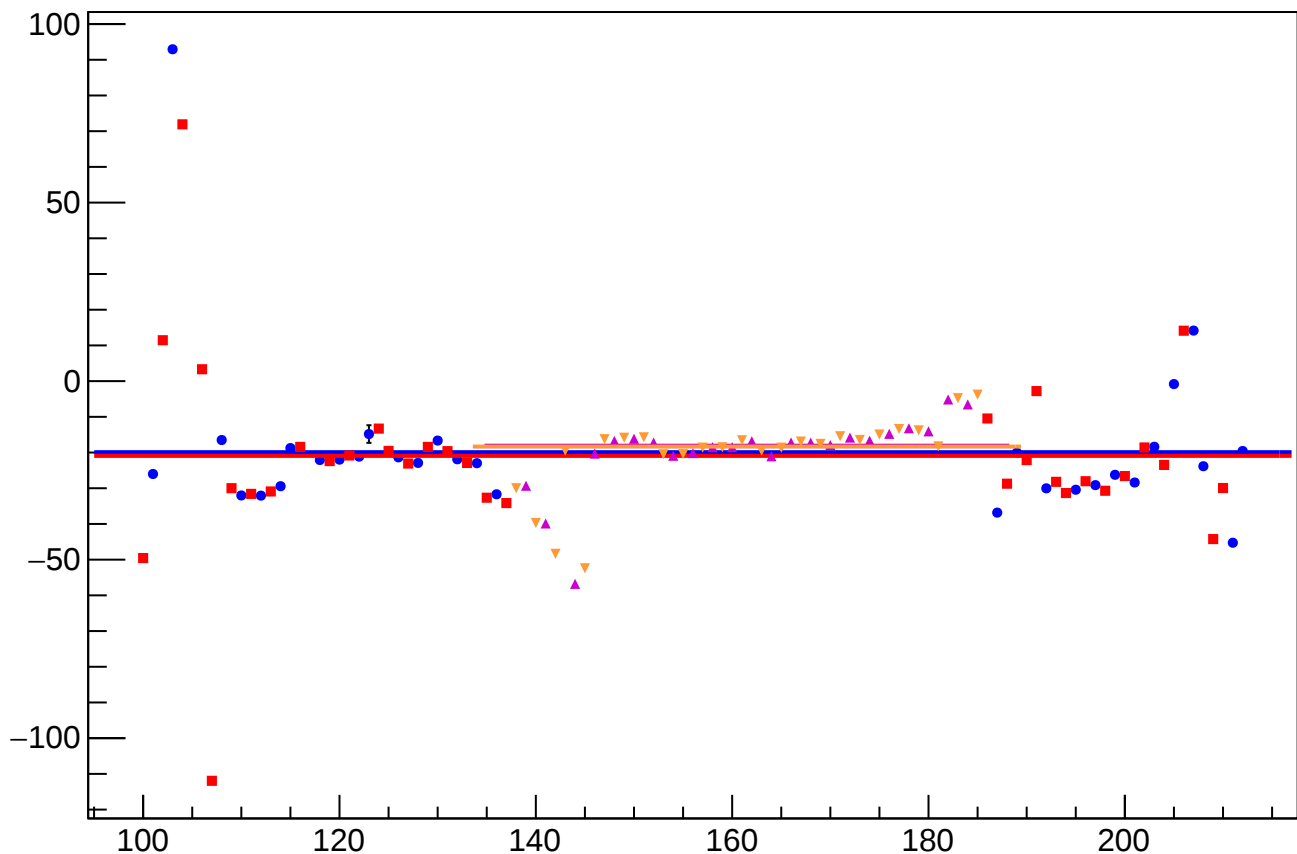
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -15.882 ± 0.299 $\chi^2/\text{NDF}: 2183.3/54$

All: -16.471 ± 0.212 $\chi^2/\text{NDF}: 4640.4/110$

- sign -17.068 ± 0.301 $\chi^2/\text{NDF}: 2449.3/55$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -19.900 ± 0.029 χ^2/NDF : 612070.7/29

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -20.938 ± 0.028 χ^2/NDF : 578097.0/32

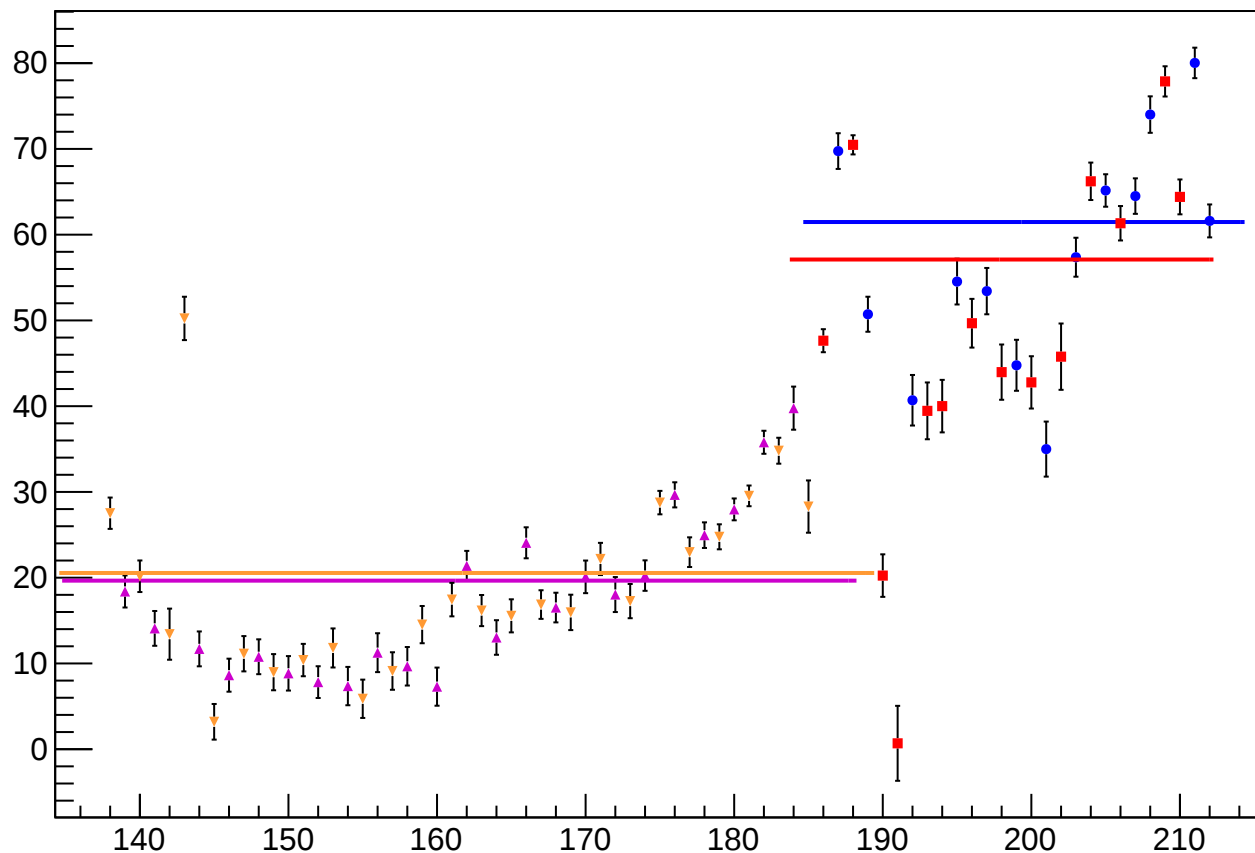
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.697 ± 0.014 χ^2/NDF : 898487.0/54

All: -18.748 ± 0.010 χ^2/NDF : 1726452.9/110

- sign -18.799 ± 0.014 χ^2/NDF : 827939.0/55

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 61.476 ± 0.622 $\chi^2/\text{NDF}: 361.2/12$

Left Out: 20.550 ± 0.373 $\chi^2/\text{NDF}: 626.4/24$

Right Out: 57.102 ± 0.560 $\chi^2/\text{NDF}: 867.5/13$

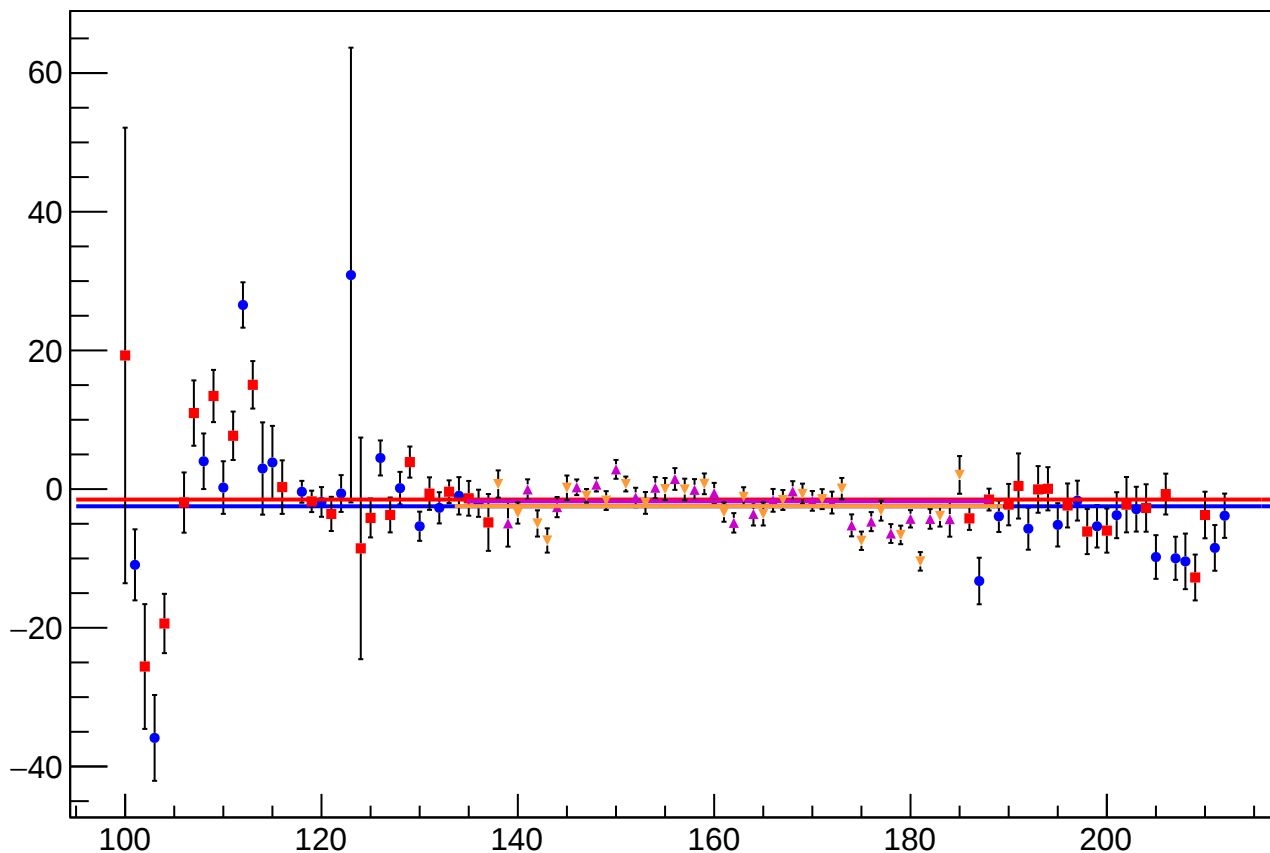
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 31.386 ± 0.320 $\chi^2/\text{NDF}: 4174.0/37$

All: 31.426 ± 0.224 $\chi^2/\text{NDF}: 8669.3/74$

- sign 31.465 ± 0.315 $\chi^2/\text{NDF}: 4495.2/36$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.477 ± 0.524 χ^2/NDF : 162.6/29

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.506 ± 0.490 χ^2/NDF : 107.6/32

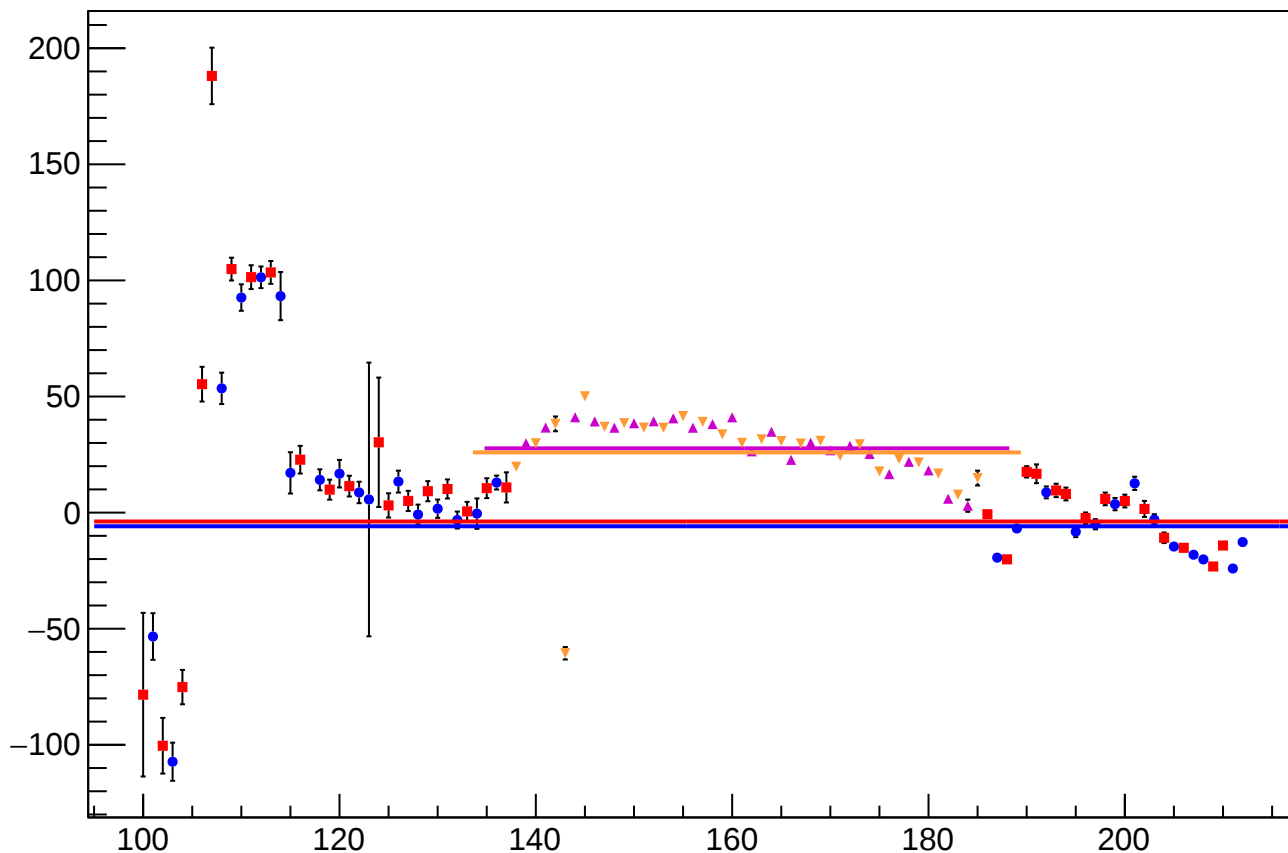
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.460 ± 0.255 χ^2/NDF : 268.6/54

All: -2.077 ± 0.181 χ^2/NDF : 448.3/110

- sign -1.689 ± 0.257 χ^2/NDF : 175.2/55

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -5.885 ± 0.526 χ^2/NDF : 1655.1/29

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -3.821 ± 0.458 χ^2/NDF : 2637.6/32

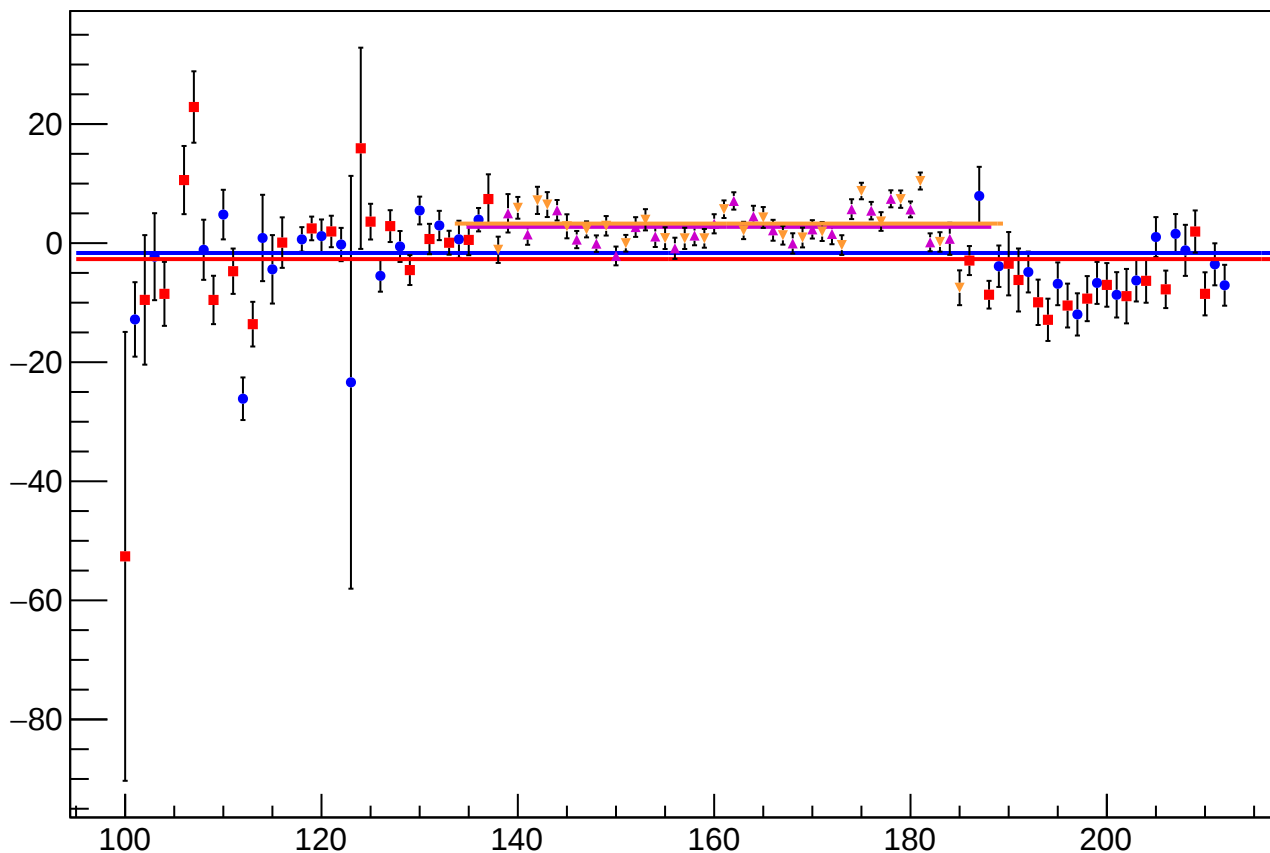
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 15.305 ± 0.304 χ^2/NDF : 5807.4/54

All: 15.094 ± 0.210 χ^2/NDF : 12063.1/110

- sign 14.900 ± 0.292 χ^2/NDF : 6254.7/55

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.655 ± 0.602 χ^2/NDF : 106.7/29

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.681 ± 0.583 χ^2/NDF : 107.9/32

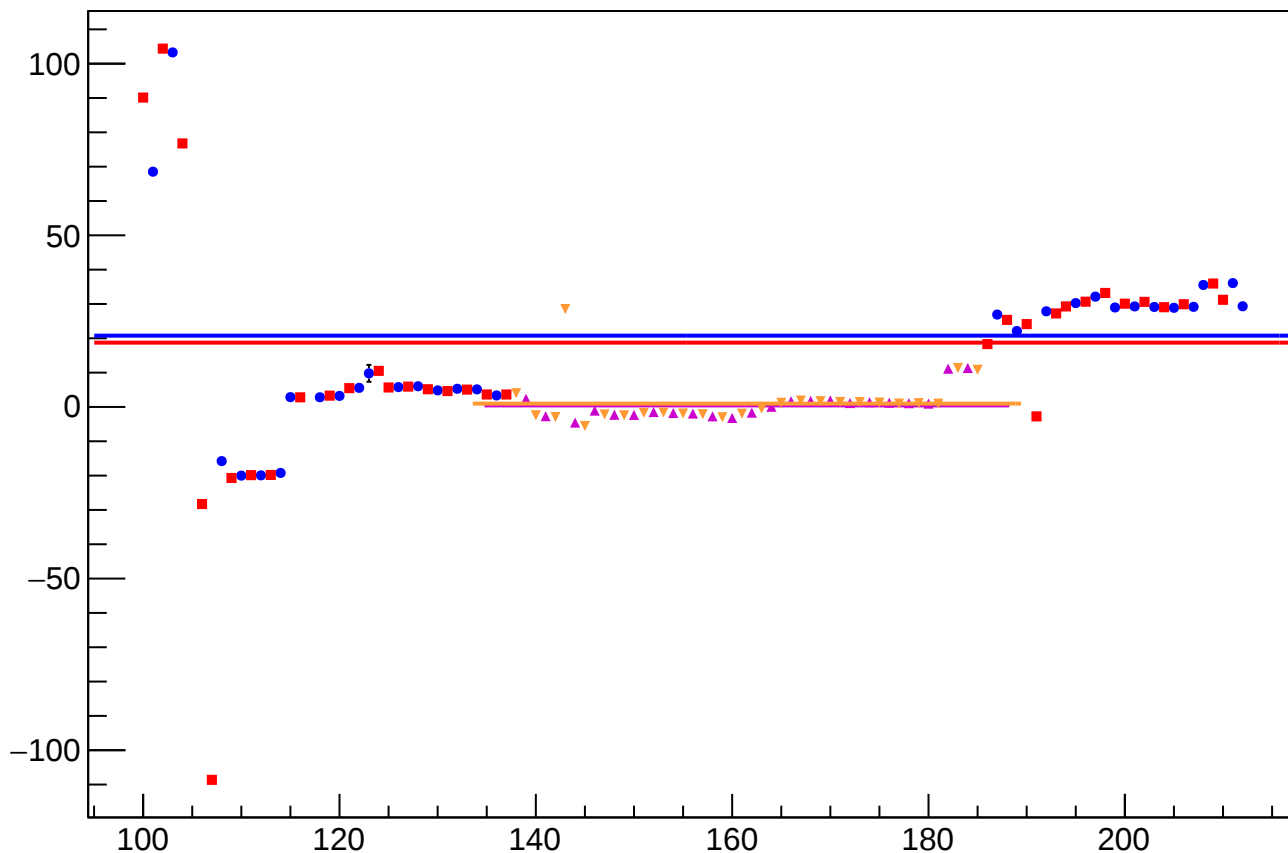
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.135 ± 0.290 χ^2/NDF : 260.6/54

All: 1.750 ± 0.207 χ^2/NDF : 500.9/110

- sign 1.354 ± 0.294 χ^2/NDF : 236.8/55

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 20.771 $\pm$ 0.028 χ^2 /NDF: 508466.7/29

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 18.738 $\pm$ 0.027 χ^2 /NDF: 740393.0/32

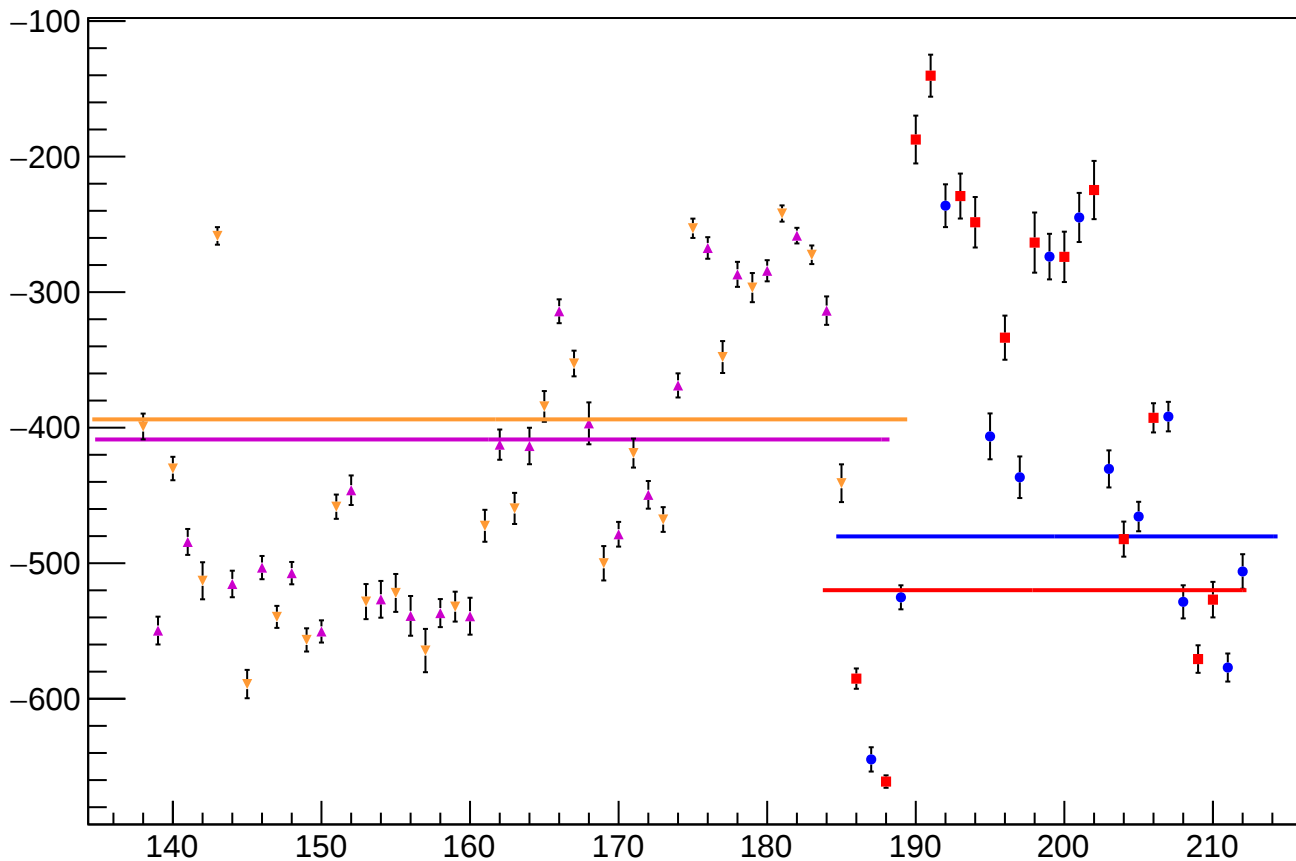
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 5.425 $\pm$ 0.013 χ^2 /NDF: 1007152.0/54

All: 5.131 $\pm$ 0.009 χ^2 /NDF: 2135796.0/110

- sign 4.834 $\pm$ 0.013 χ^2 /NDF: 1127674.8/55

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -480.224 ± 3.373 χ^2/NDF : 1135.8/12

Left Out: -393.871 ± 1.897 χ^2/NDF : 3772.8/24

Right Out: -519.894 ± 2.886 χ^2/NDF : 3296.8/13

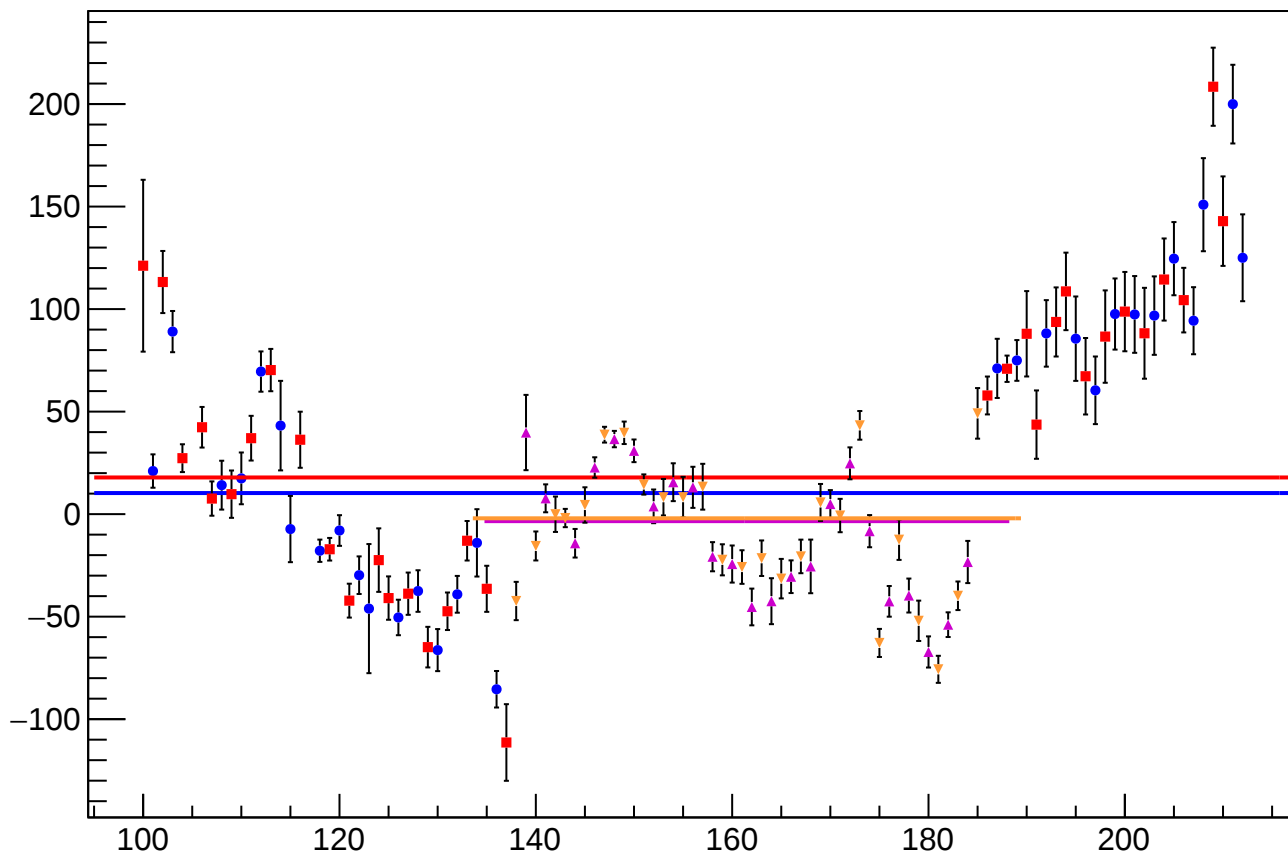
Left In: -408.696 ± 1.979 χ^2/NDF : 3062.9/22

+ sign -414.625 ± 1.653 χ^2/NDF : 5406.6/37

All: -429.631 ± 1.162 χ^2/NDF : 12938.6/74

- sign -444.254 ± 1.632 χ^2/NDF : 7369.3/36

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.281 ± 2.094 $\chi^2/\text{NDF}: 839.7/29$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 17.881 ± 1.944 $\chi^2/\text{NDF}: 823.8/32$

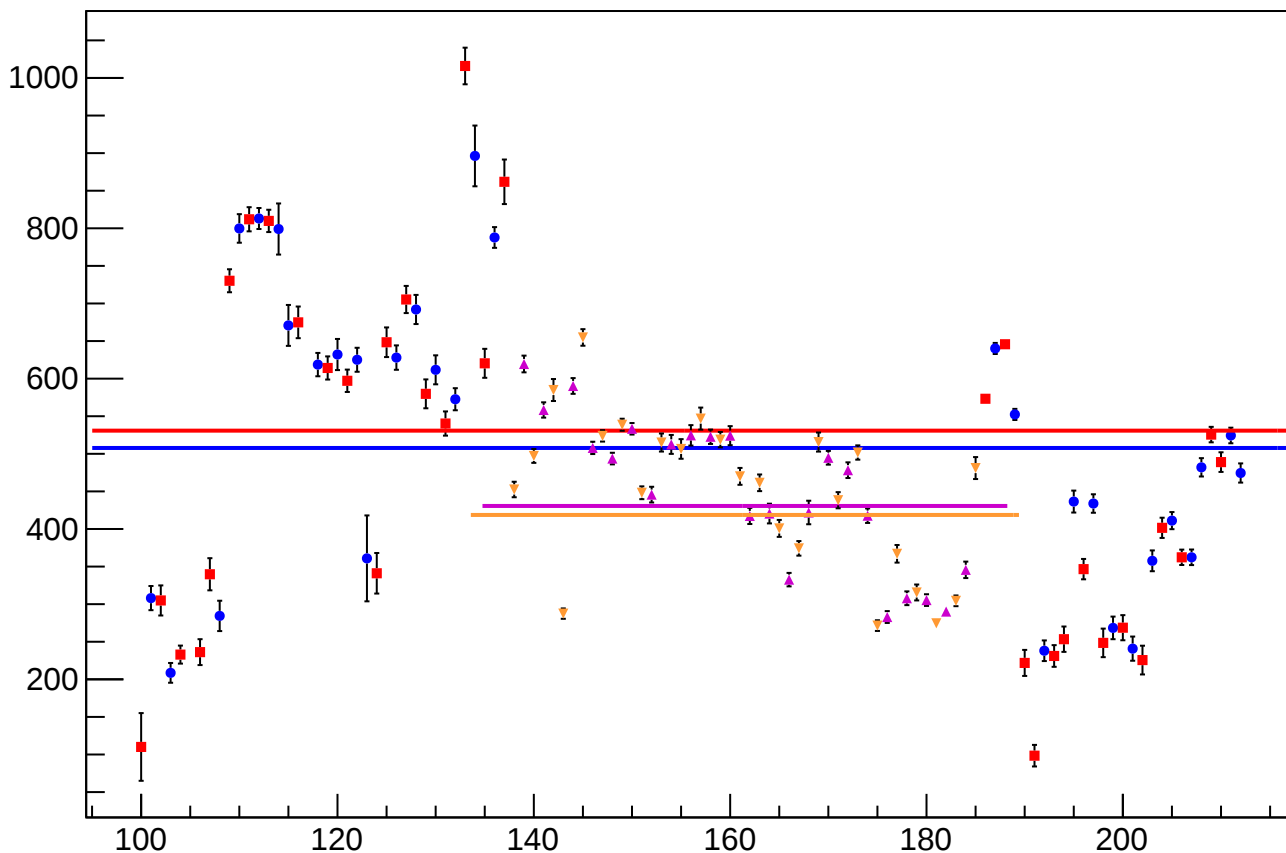
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign 1.859 ± 1.178 $\chi^2/\text{NDF}: 1427.2/54$

All: 3.238 ± 0.840 $\chi^2/\text{NDF}: 2779.2/110$

- sign 4.663 ± 1.197 $\chi^2/\text{NDF}: 1349.2/55$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 507.783 ± 2.511 $\chi^2/\text{NDF}: 4197.5/29$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 530.829 ± 2.127 $\chi^2/\text{NDF}: 7087.8/32$

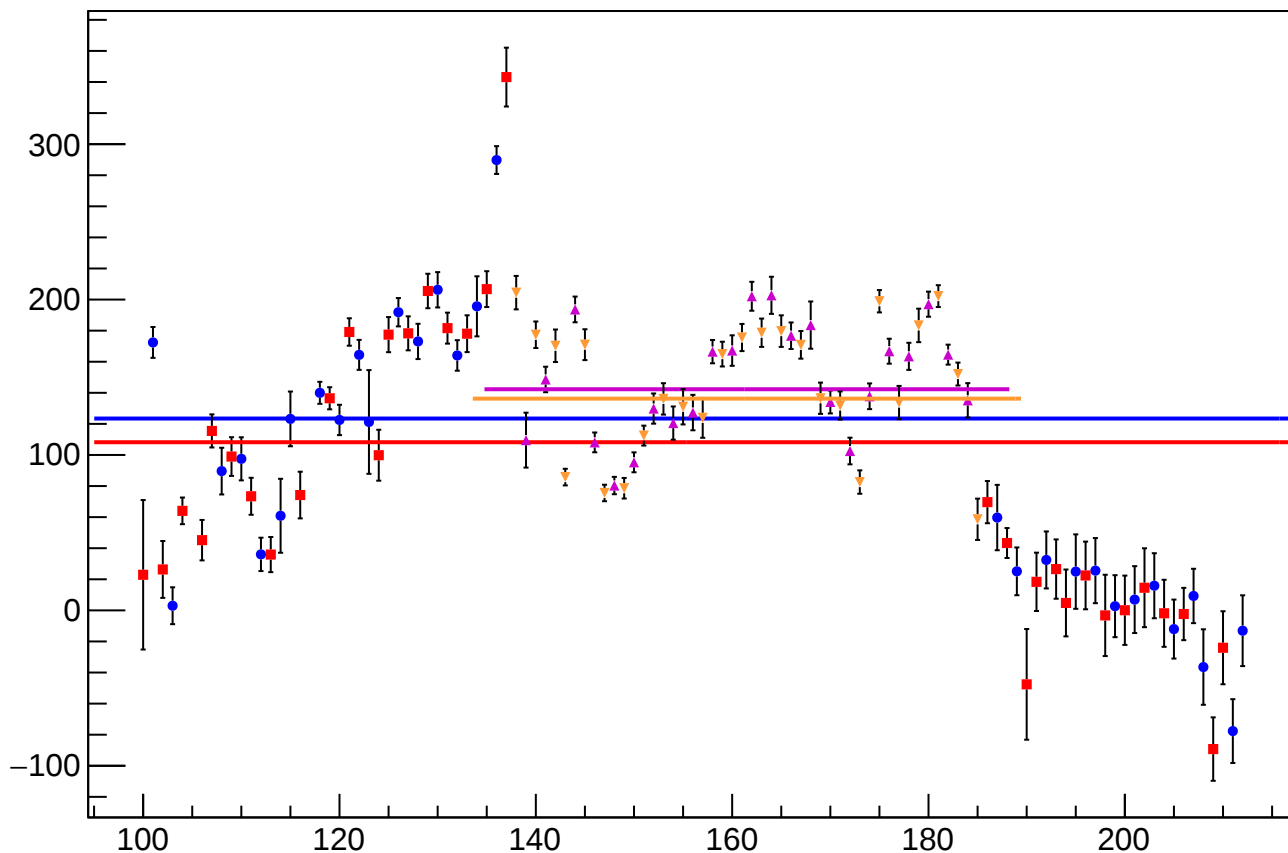
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 451.229 ± 1.518 $\chi^2/\text{NDF}: 8293.3/54$

All: 464.698 ± 1.047 $\chi^2/\text{NDF}: 19575.8/110$

- sign 476.919 ± 1.446 $\chi^2/\text{NDF}: 11132.2/55$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.443 $\pm$ 2.439 χ^2 /NDF: 1212.6/29

Left Out: 136.258 $\pm$ 1.651 χ^2 /NDF: 758.3/24

Right Out: 108.204 $\pm$ 2.310 χ^2 /NDF: 1083.1/32

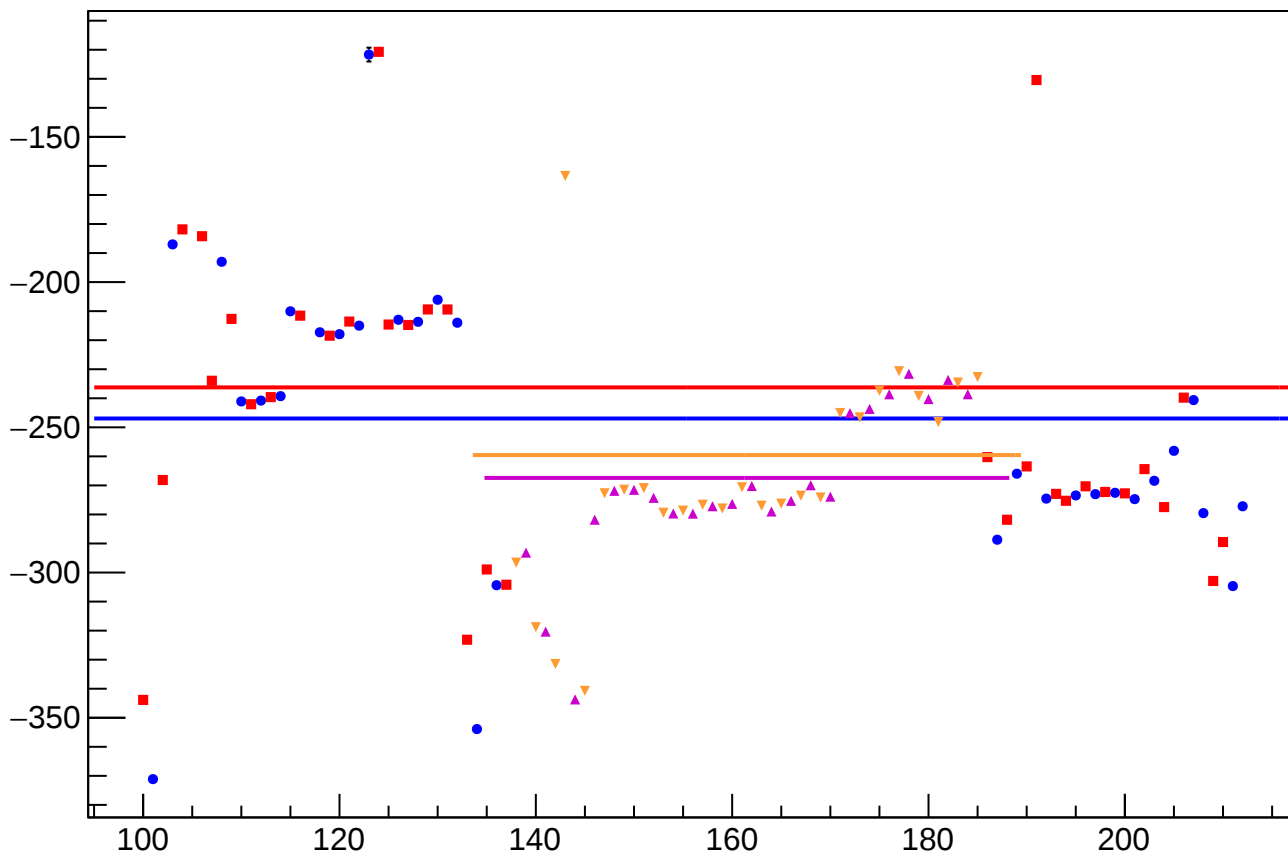
Left In: 142.296 $\pm$ 1.745 χ^2 /NDF: 459.8/22

+ sign 132.231 $\pm$ 1.367 χ^2 /NDF: 1989.8/54

All: 131.092 $\pm$ 0.975 χ^2 /NDF: 3672.8/110

- sign 129.910 $\pm$ 1.392 χ^2 /NDF: 1681.5/55

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -246.962 ± 0.121 $\chi^2/\text{NDF}: 169378.9/29$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -236.250 ± 0.113 $\chi^2/\text{NDF}: 181667.5/32$

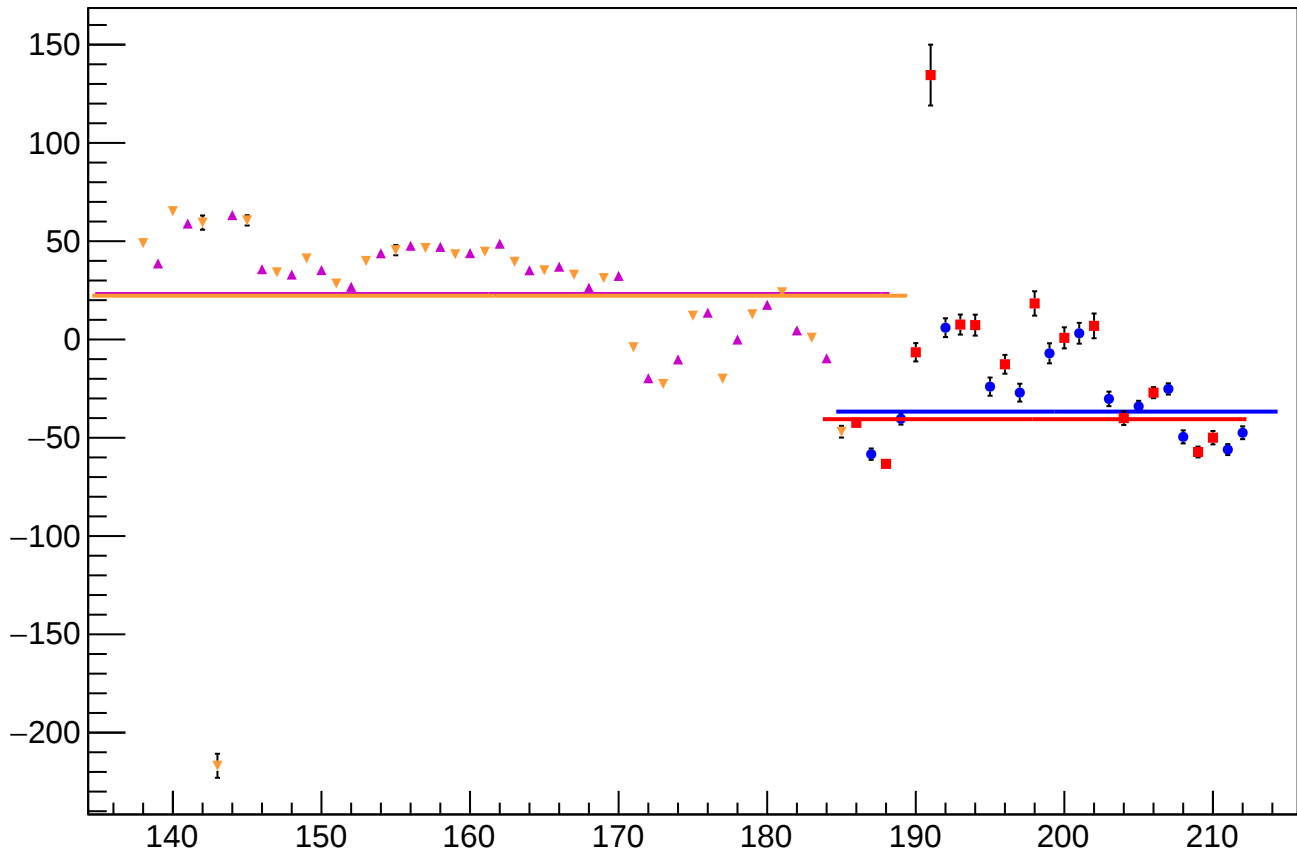
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -255.787 ± 0.066 $\chi^2/\text{NDF}: 415203.7/54$

All: -256.244 ± 0.047 $\chi^2/\text{NDF}: 745079.4/110$

- sign -256.700 ± 0.066 $\chi^2/\text{NDF}: 329780.7/55$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -36.686 ± 0.963 χ^2/NDF : 334.0/12

Left Out: 22.279 ± 0.399 χ^2/NDF : 5171.0/24

Right Out: -40.546 ± 0.839 χ^2/NDF : 873.3/13

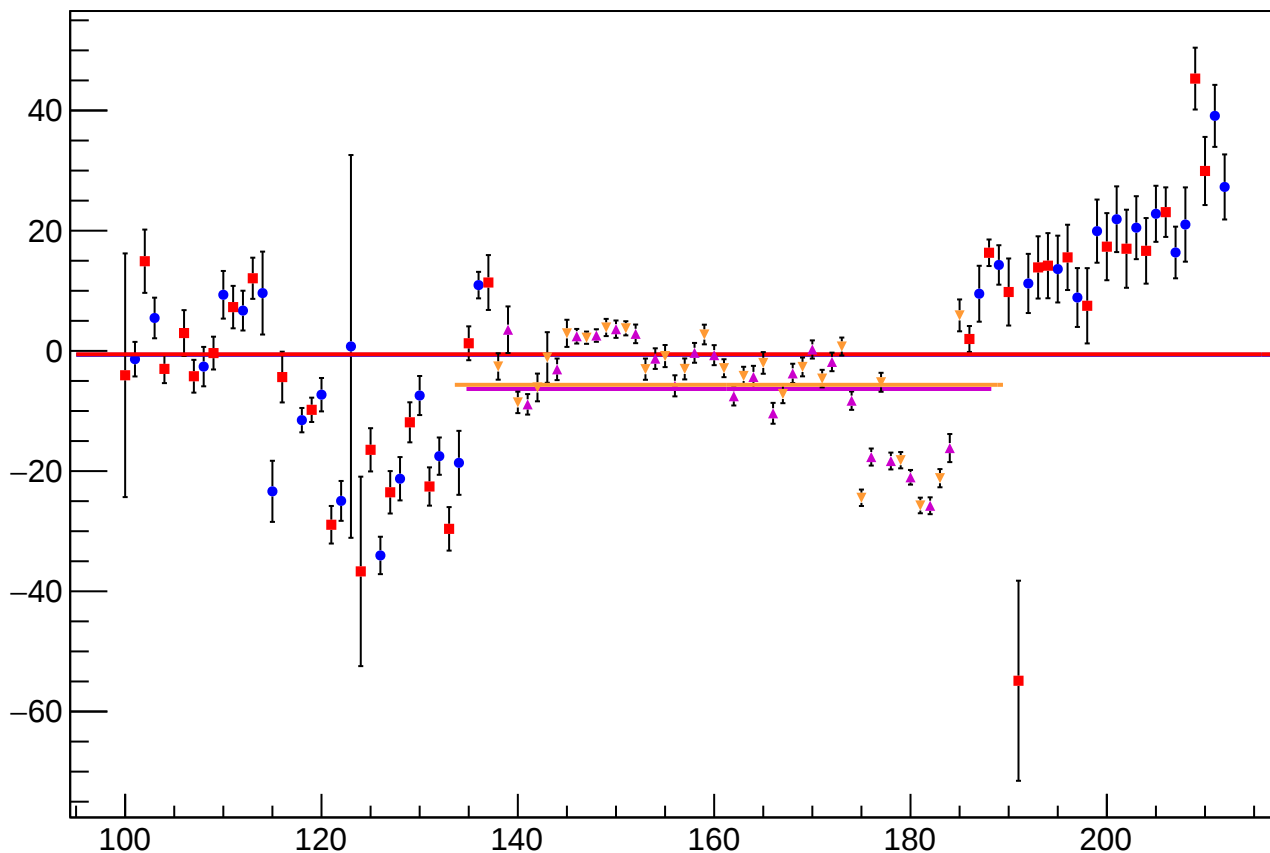
Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 13.646 ± 0.368 χ^2/NDF : 8706.5/37

All: 12.443 ± 0.258 χ^2/NDF : 17029.9/74

- sign 11.281 ± 0.362 χ^2/NDF : 8302.5/36

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.649 ± 0.680 χ^2/NDF : 575.9/29

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -0.567 ± 0.629 χ^2/NDF : 601.5/32

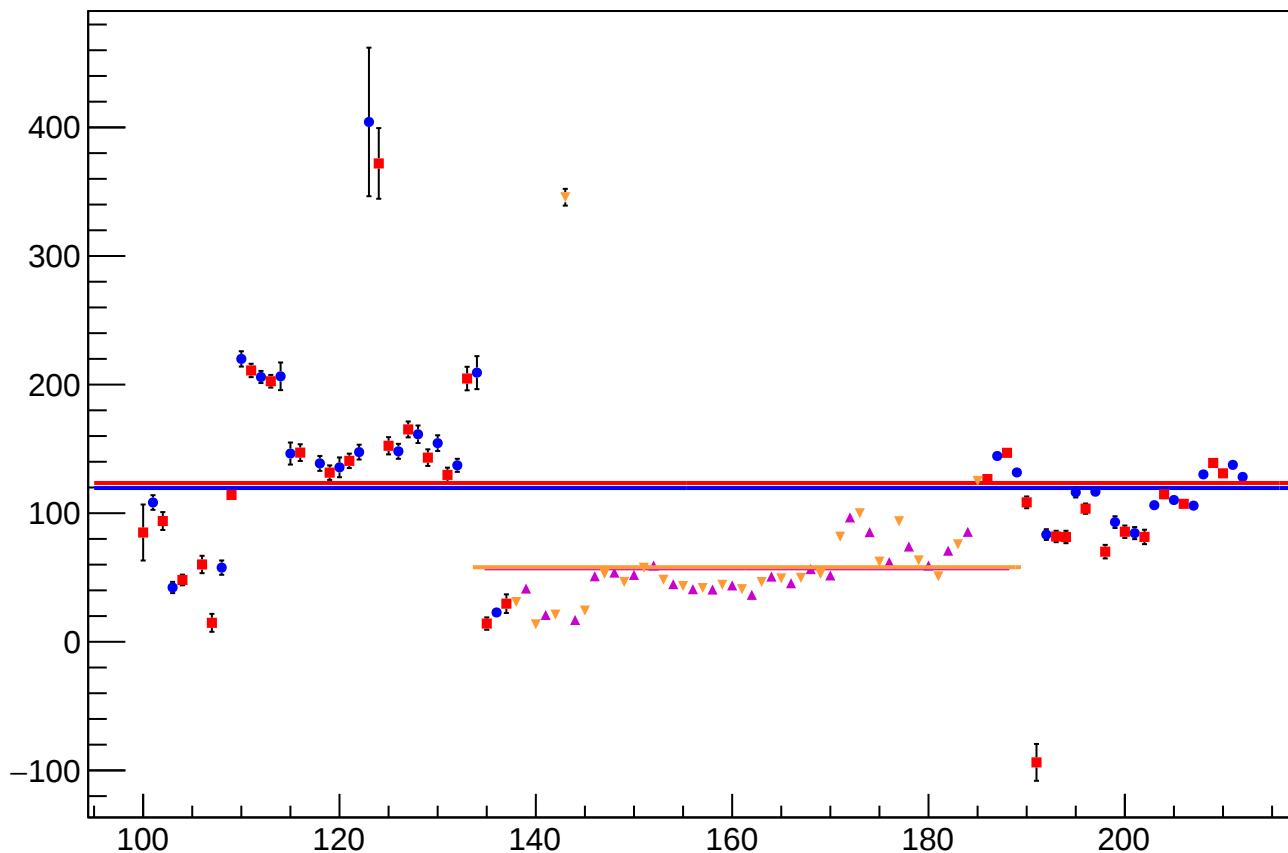
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -4.759 ± 0.286 χ^2/NDF : 1513.9/54

All: -4.951 ± 0.202 χ^2/NDF : 2966.0/110

- sign -5.144 ± 0.286 χ^2/NDF : 1451.2/55

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 119.553 $\pm$ 0.755 χ^2 /NDF: 2568.7/29

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 123.493 $\pm$ 0.641 χ^2 /NDF: 3251.3/32

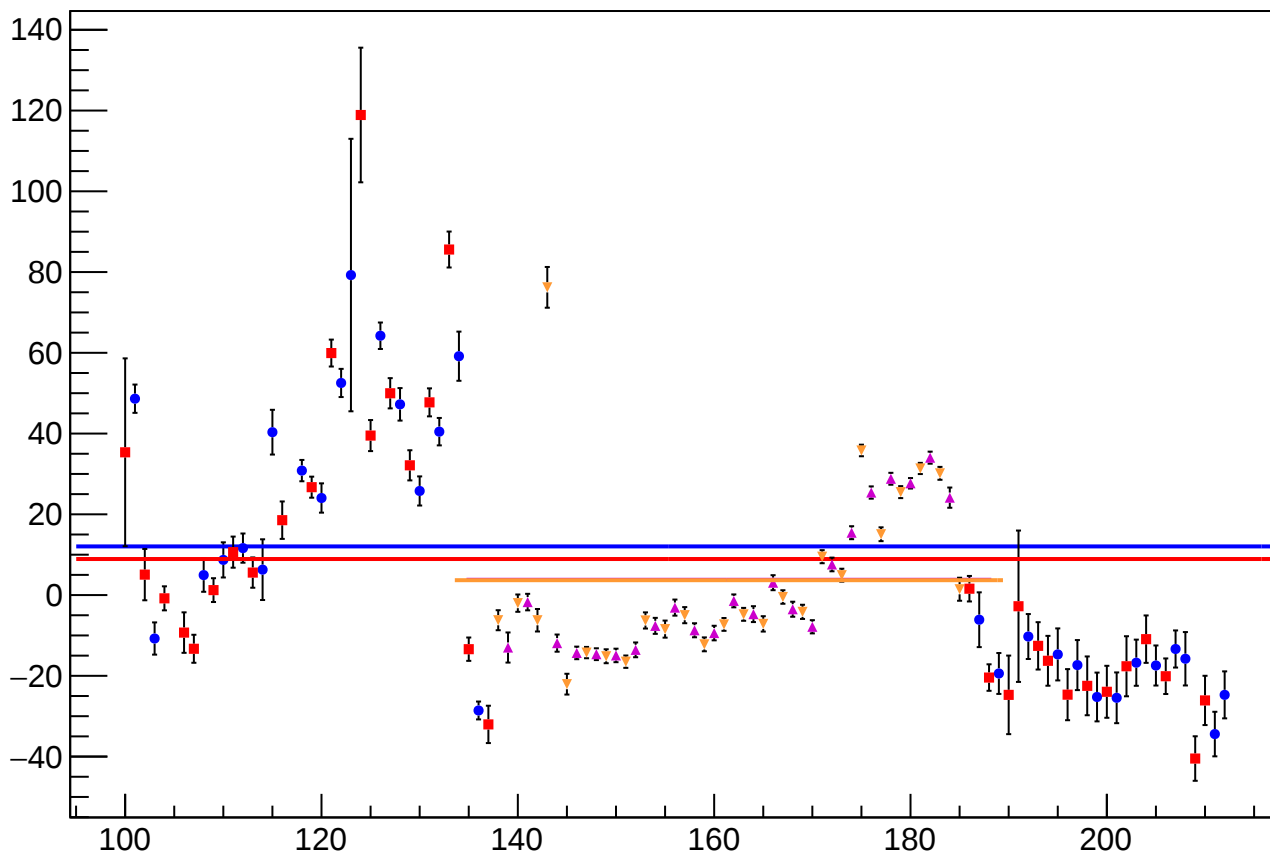
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 71.373 $\pm$ 0.352 χ^2 /NDF: 12407.2/54

All: 73.616 $\pm$ 0.244 χ^2 /NDF: 25253.7/110

- sign 75.697 $\pm$ 0.339 χ^2 /NDF: 12768.2/55

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 12.051 $\pm$ 0.782 χ^2 /NDF: 1578.0/29

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF: 2541.7/24

Right Out: 8.929 $\pm$ 0.745 χ^2 /NDF: 1566.3/32

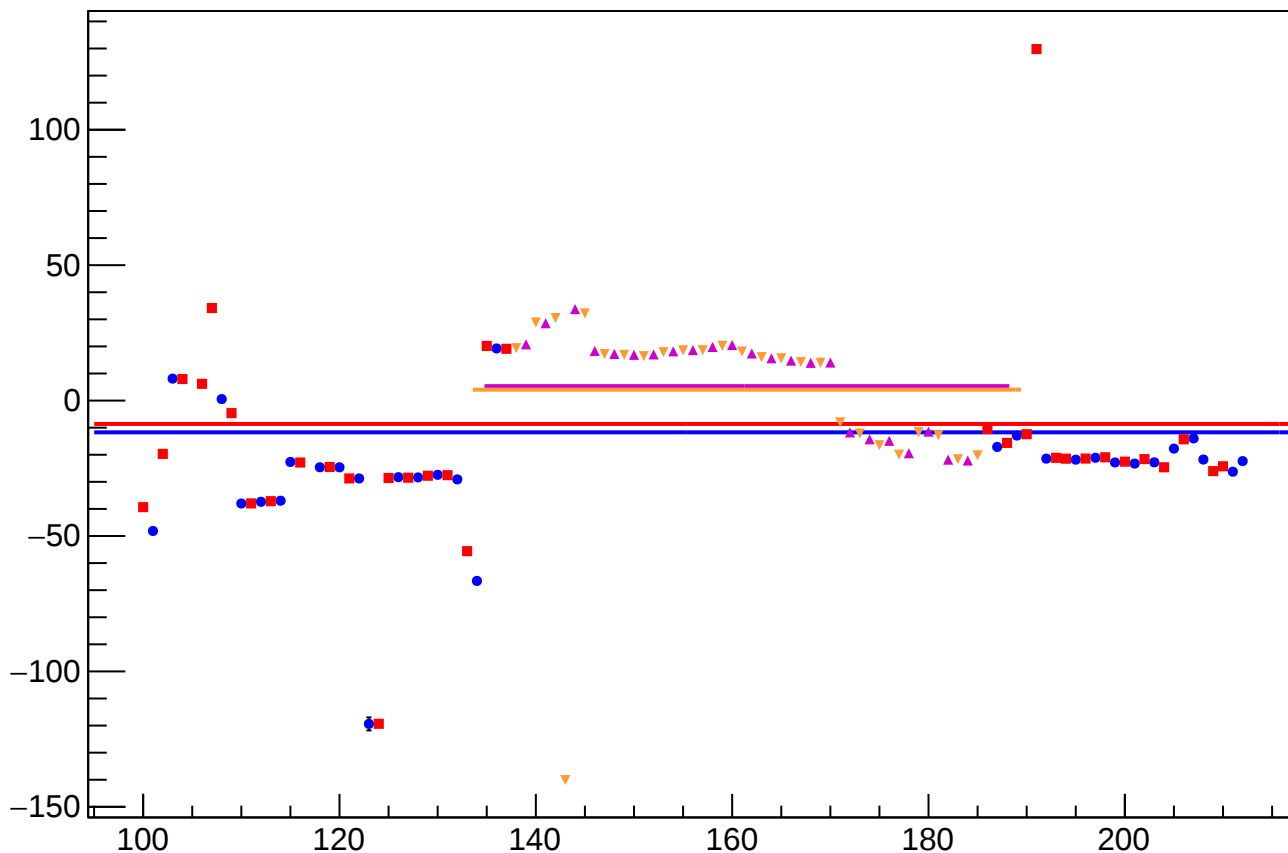
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 5.124 $\pm$ 0.325 χ^2 /NDF: 4214.3/54

All: 4.946 $\pm$ 0.230 χ^2 /NDF: 8018.6/110

- sign 4.767 $\pm$ 0.325 χ^2 /NDF: 3803.6/55

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -11.722 ± 0.036 χ^2/NDF : 303691.4/29

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -8.629 ± 0.036 χ^2/NDF : 395198.4/32

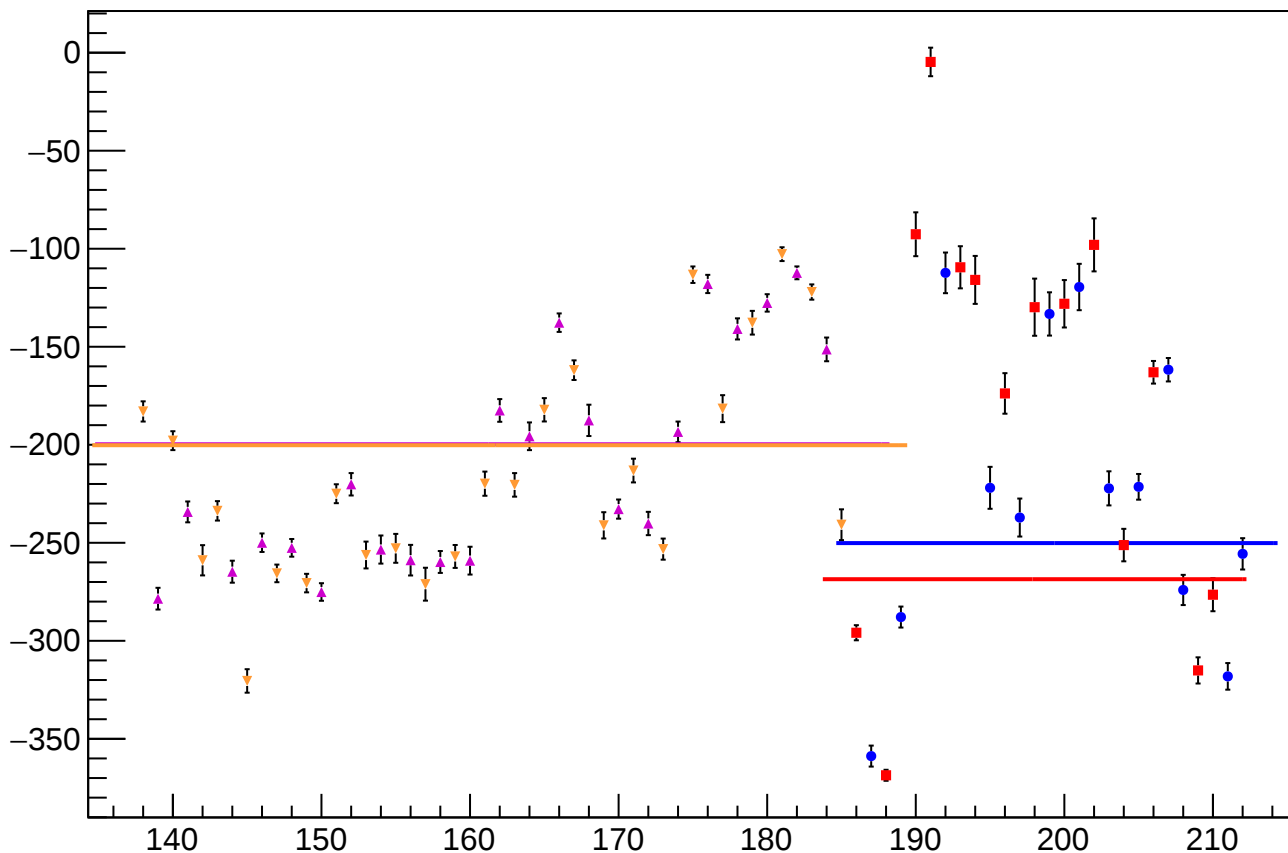
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.380 ± 0.015 χ^2/NDF : 1842440.8/54

All: 2.135 ± 0.011 χ^2/NDF : 3447159.4/110

- sign 2.890 ± 0.015 χ^2/NDF : 1599596.5/55

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -250.152 ± 2.074 χ^2/NDF : 1239.4/12

Left Out: -200.228 ± 1.078 χ^2/NDF : 3225.0/24

Right Out: -268.574 ± 1.706 χ^2/NDF : 4108.7/13

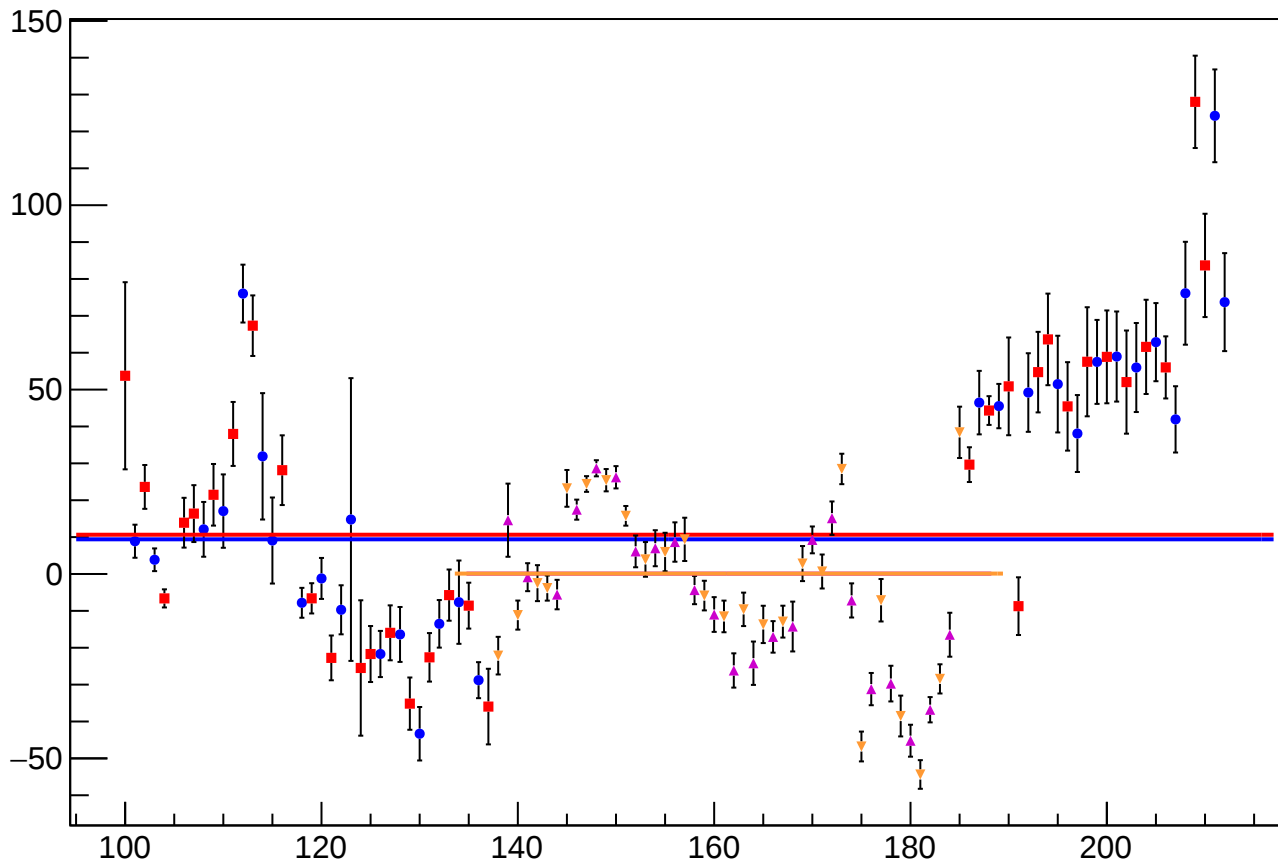
Left In: -199.739 ± 1.097 χ^2/NDF : 2968.0/22

+ sign -210.845 ± 0.956 χ^2/NDF : 4920.7/37

All: -215.522 ± 0.664 χ^2/NDF : 13194.8/74

- sign -219.879 ± 0.923 χ^2/NDF : 8227.9/36

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.401 ± 1.304 $\chi^2/\text{NDF}: 577.3/29$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 10.646 ± 1.183 $\chi^2/\text{NDF}: 648.8/32$

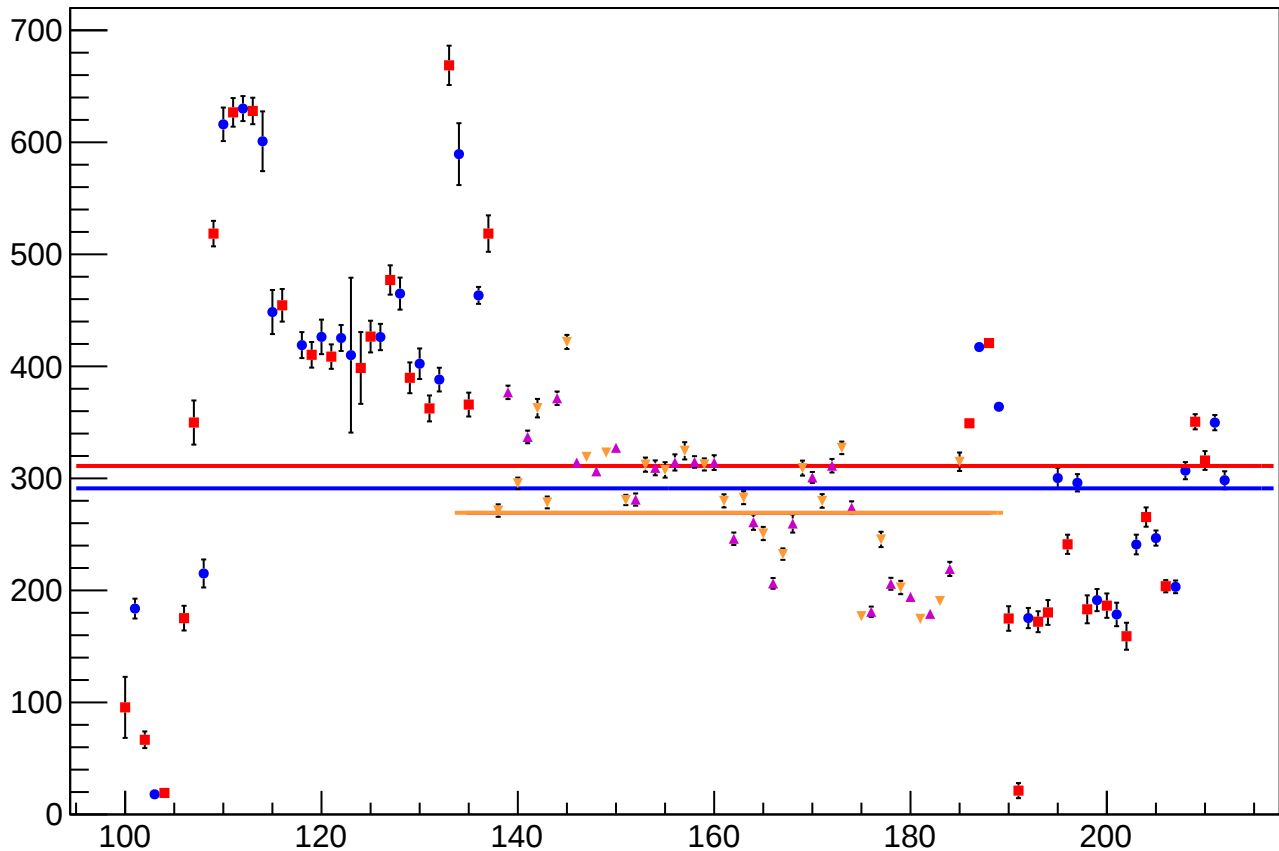
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 2.682 ± 0.686 $\chi^2/\text{NDF}: 1445.3/54$

All: 3.153 ± 0.484 $\chi^2/\text{NDF}: 2863.4/110$

- sign 3.620 ± 0.684 $\chi^2/\text{NDF}: 1417.2/55$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 291.095 $\pm$ 1.502 χ^2 /NDF: 9592.4/29

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 311.086 $\pm$ 1.255 χ^2 /NDF: 14395.9/32

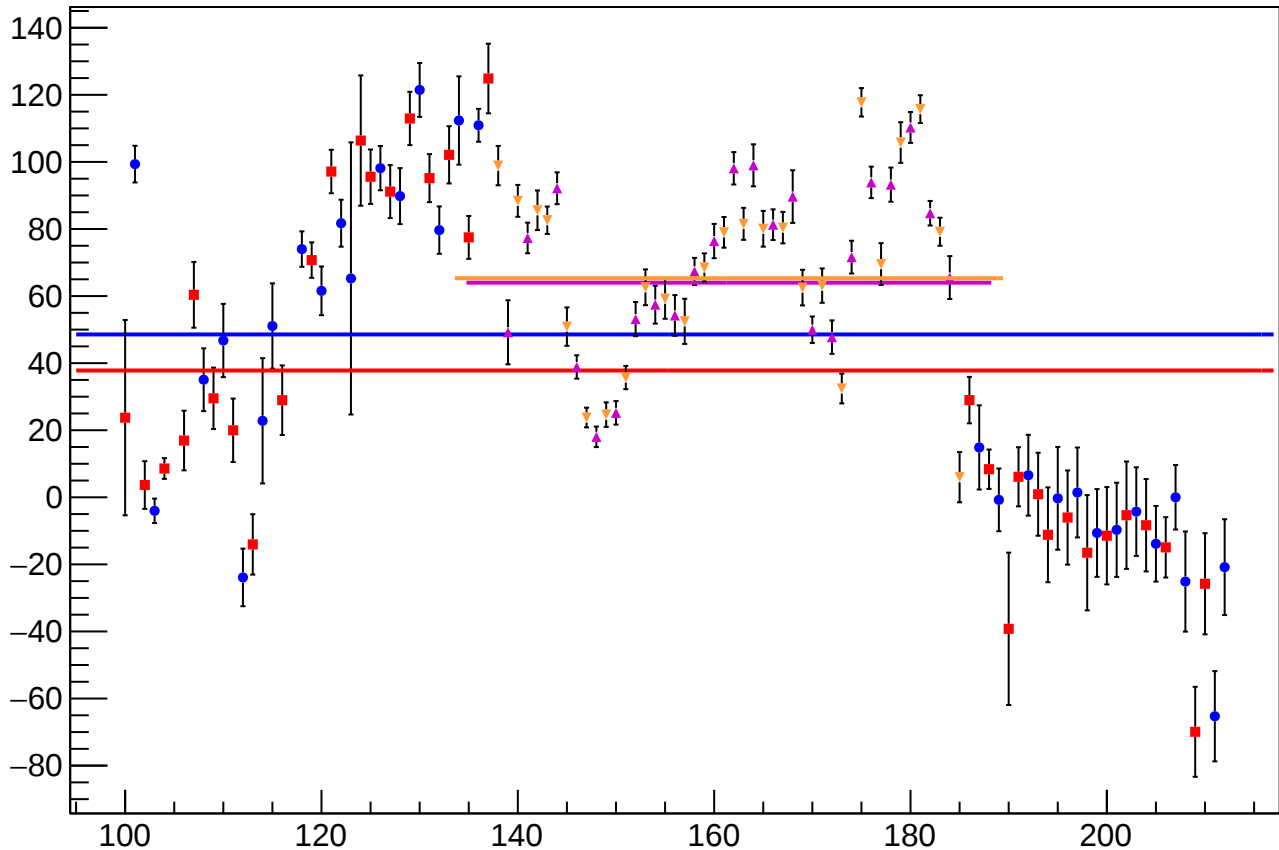
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 276.695 $\pm$ 0.875 χ^2 /NDF: 12878.5/54

All: 282.284 $\pm$ 0.600 χ^2 /NDF: 31156.6/110

- sign 287.224 $\pm$ 0.823 χ^2 /NDF: 18201.3/55

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 48.562 $\pm$ 1.521 χ^2/NDF : 1086.2/29

Left Out: 65.323 $\pm$ 0.935 χ^2/NDF :1007.1/24

Right Out: 37.808 $\pm$ 1.427 χ^2/NDF : 951.1/32

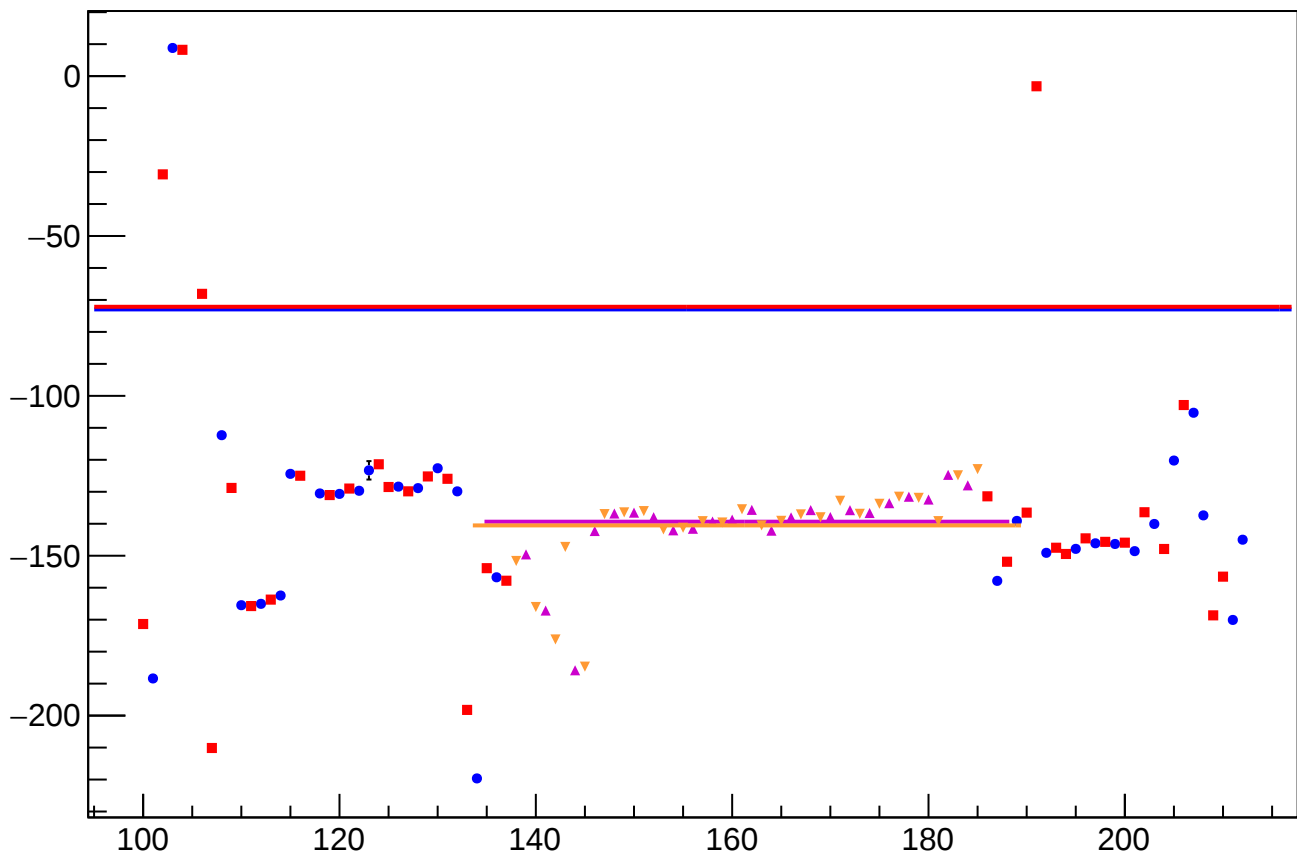
Left In: 63.999 $\pm$ 0.963 χ^2/NDF :799.5/22

+ sign 60.730 $\pm$ 0.796 χ^2/NDF : 2181.5/54

All: 58.274 $\pm$ 0.564 χ^2/NDF : 4182.5/110

- sign 55.807 $\pm$ 0.798 χ^2/NDF : 1982.0/55

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -72.962 ± 0.062 $\chi^2/\text{NDF}: 1585222.6/29$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -72.143 ± 0.060 $\chi^2/\text{NDF}: 1425128.6/32$

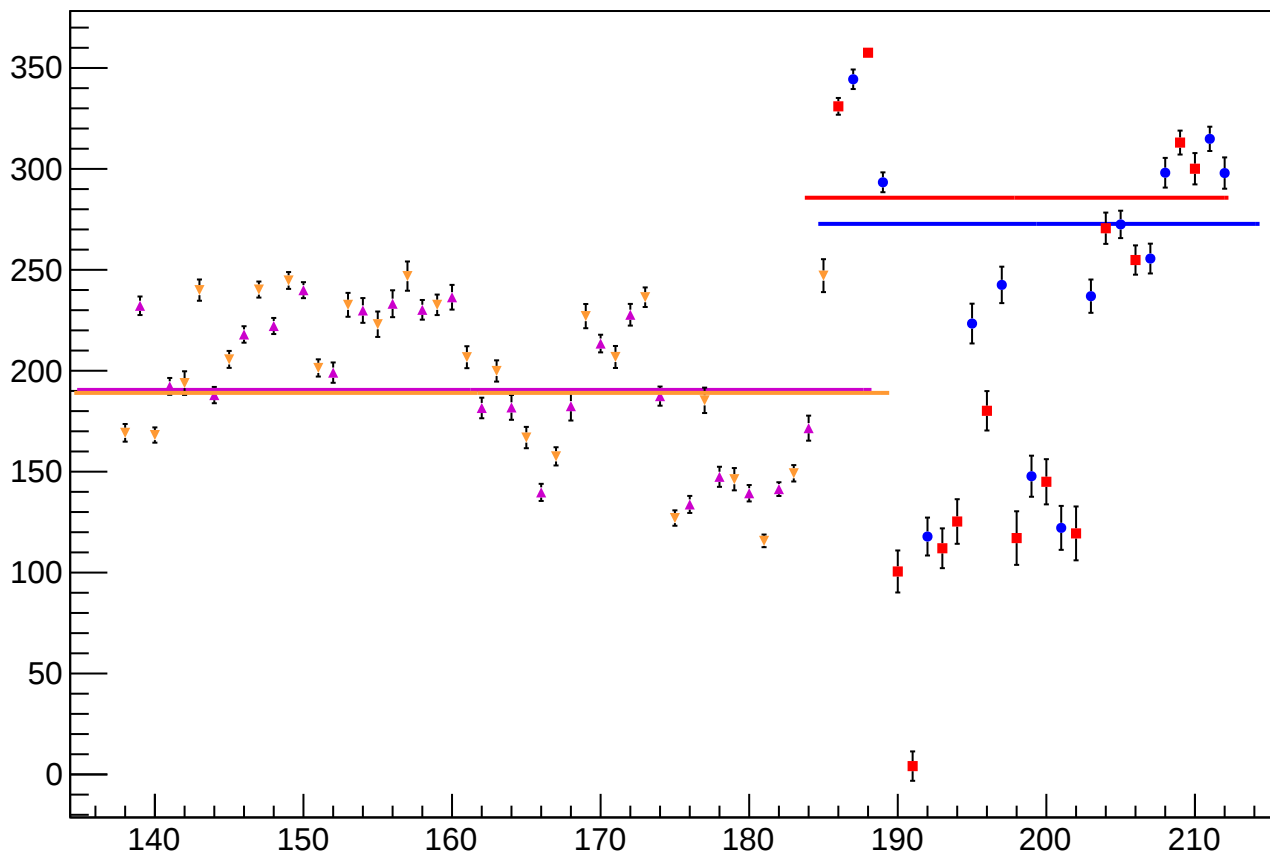
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -117.460 ± 0.036 $\chi^2/\text{NDF}: 2447488.9/54$

All: -116.396 ± 0.026 $\chi^2/\text{NDF}: 4733870.7/11$

- sign -115.337 ± 0.036 $\chi^2/\text{NDF}: 2284653.5/55$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 272.766 ± 1.986 $\chi^2/\text{NDF}: 982.9/12$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 285.722 ± 1.635 $\chi^2/\text{NDF}: 3913.3/13$

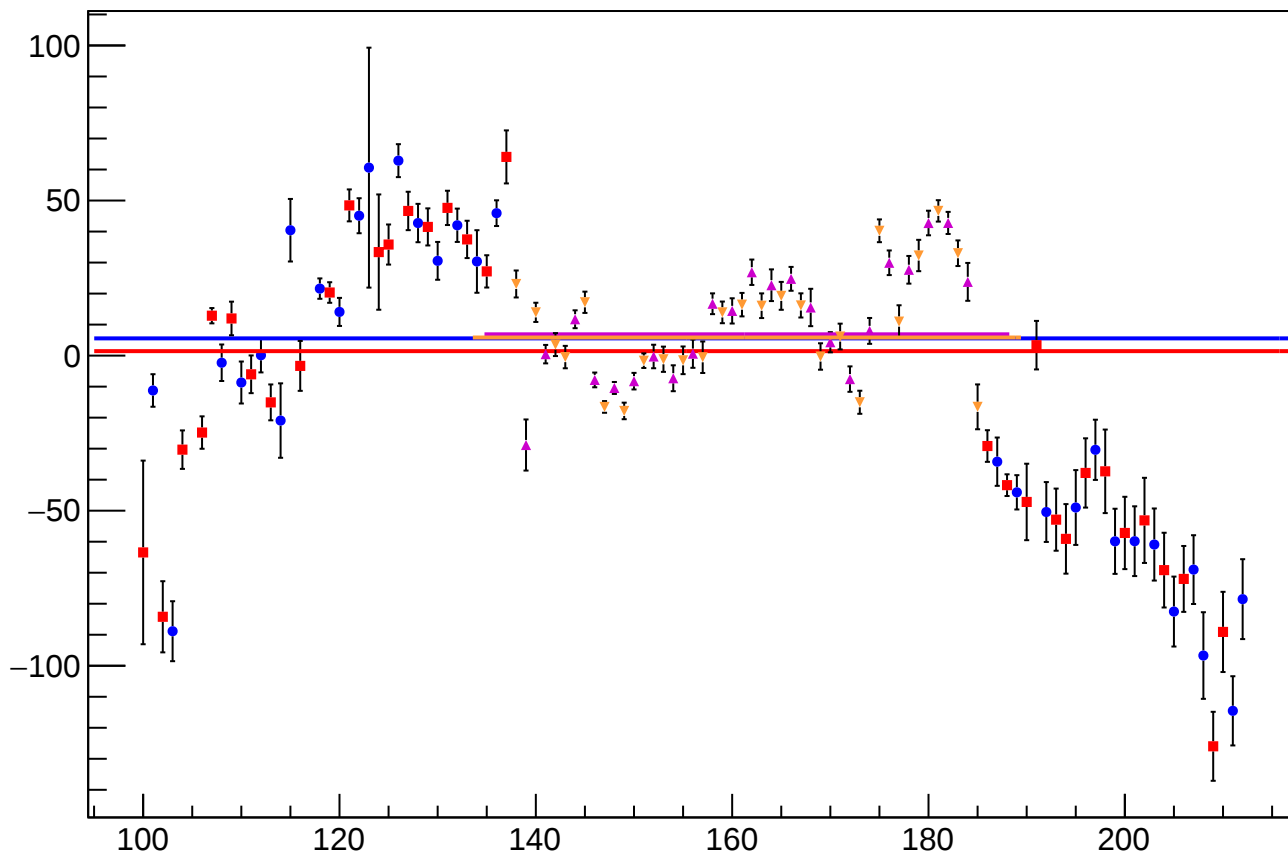
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 204.779 ± 0.861 $\chi^2/\text{NDF}: 4407.2/37$

All: 210.288 ± 0.600 $\chi^2/\text{NDF}: 12315.3/74$

- sign 215.496 ± 0.837 $\chi^2/\text{NDF}: 7828.6/36$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.556 ± 1.242 χ^2/NDF : 1122.3/29

Left Out: 5.834 ± 0.712 χ^2/NDF : 652.2/24

Right Out: 1.442 ± 1.066 χ^2/NDF : 1162.7/32

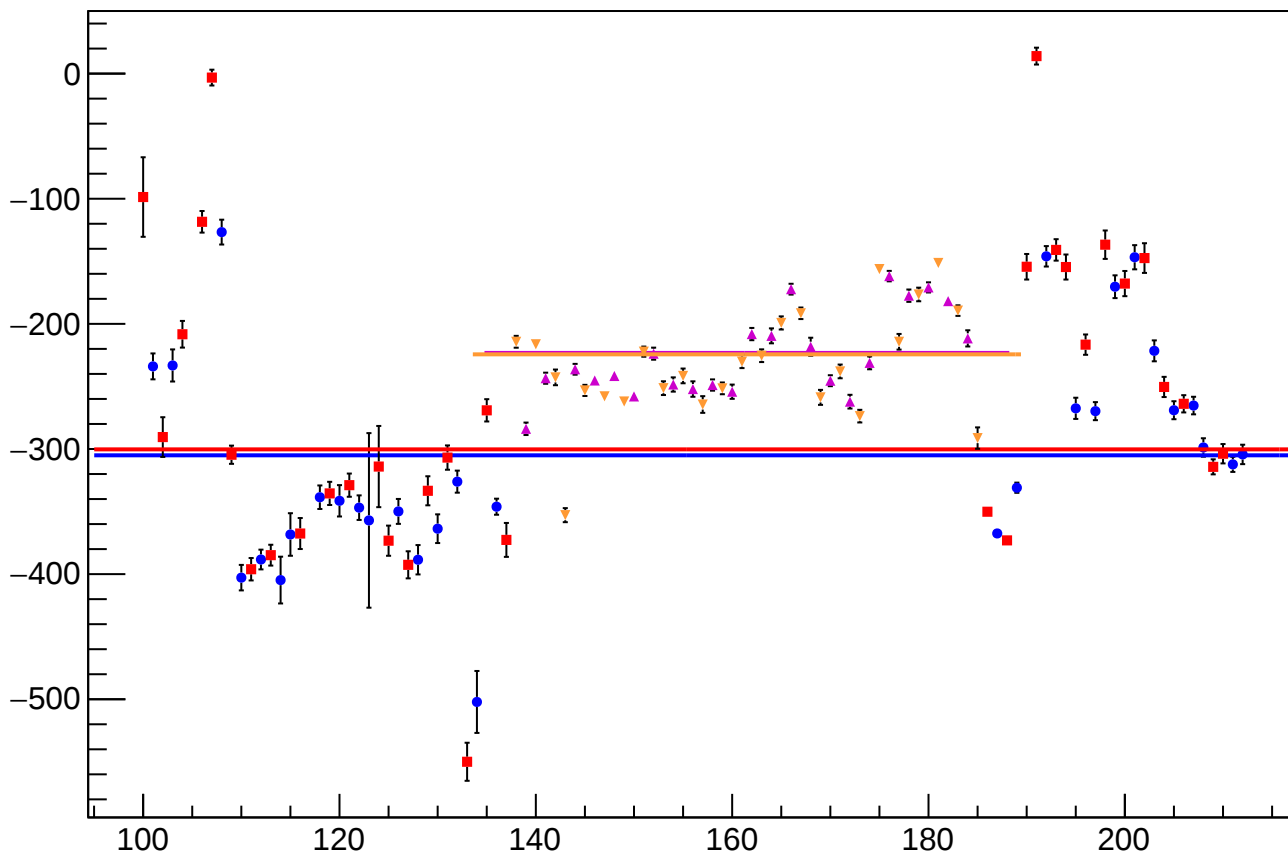
Left In: 6.862 ± 0.736 χ^2/NDF : 522.7/22

+ sign 5.765 ± 0.618 χ^2/NDF : 1774.6/54

All: 5.432 ± 0.433 χ^2/NDF : 3478.1/110

- sign 5.112 ± 0.606 χ^2/NDF : 1703.0/55

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -305.052 ± 1.473 $\chi^2/\text{NDF}: 2250.5/29$

Left Out: -224.364 ± 0.956 $\chi^2/\text{NDF}: 2103.2/24$

Right Out: -300.299 ± 1.196 $\chi^2/\text{NDF}: 8664.7/32$

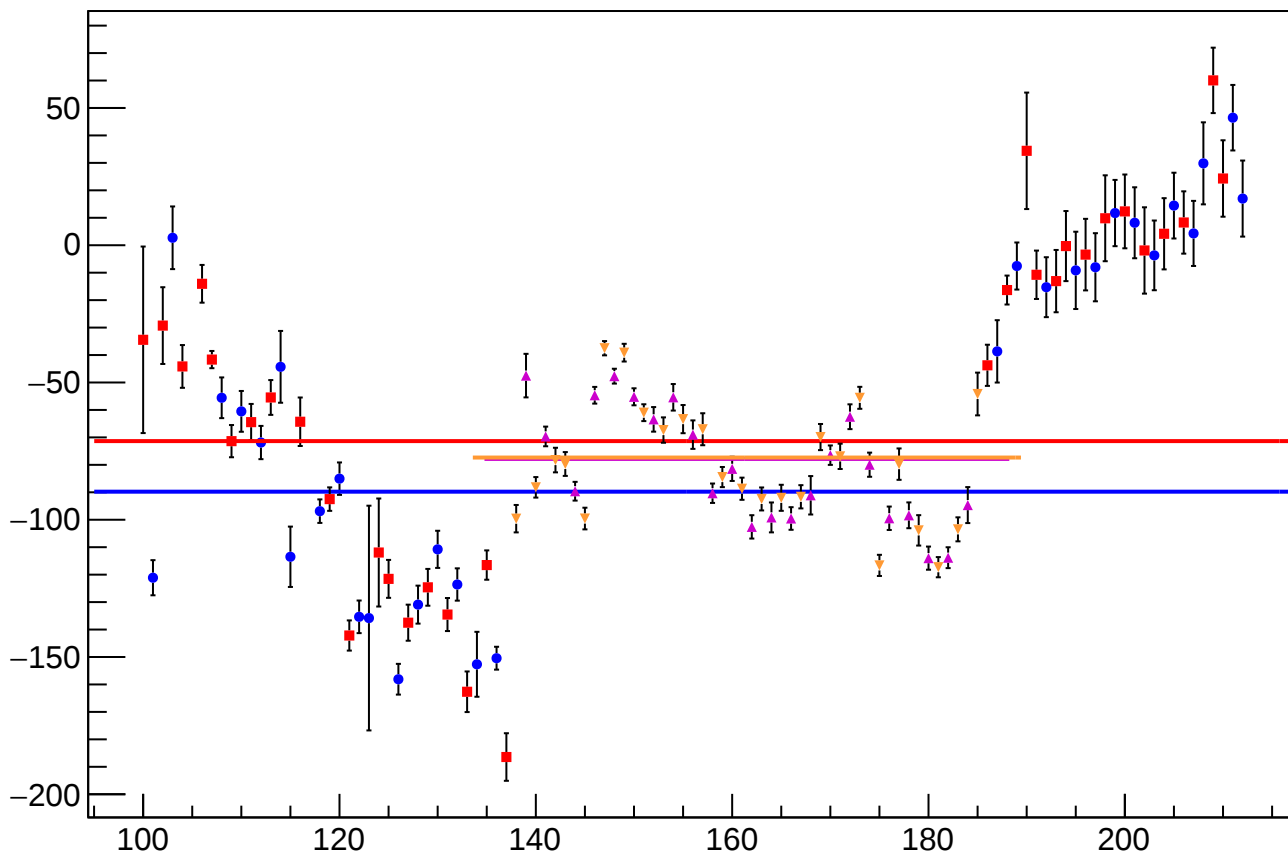
Left In: -223.223 ± 0.969 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -248.268 ± 0.802 $\chi^2/\text{NDF}: 6464.0/54$

All: -251.188 ± 0.549 $\chi^2/\text{NDF}: 18929.0/110$

- sign -253.763 ± 0.753 $\chi^2/\text{NDF}: 12440.0/55$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -89.775 ± 1.441 $\chi^2/\text{NDF}: 1484.2/29$

Left Out: -77.343 ± 0.827 $\chi^2/\text{NDF}: 846.2/24$

Right Out: -71.351 ± 1.276 $\chi^2/\text{NDF}: 1728.1/32$

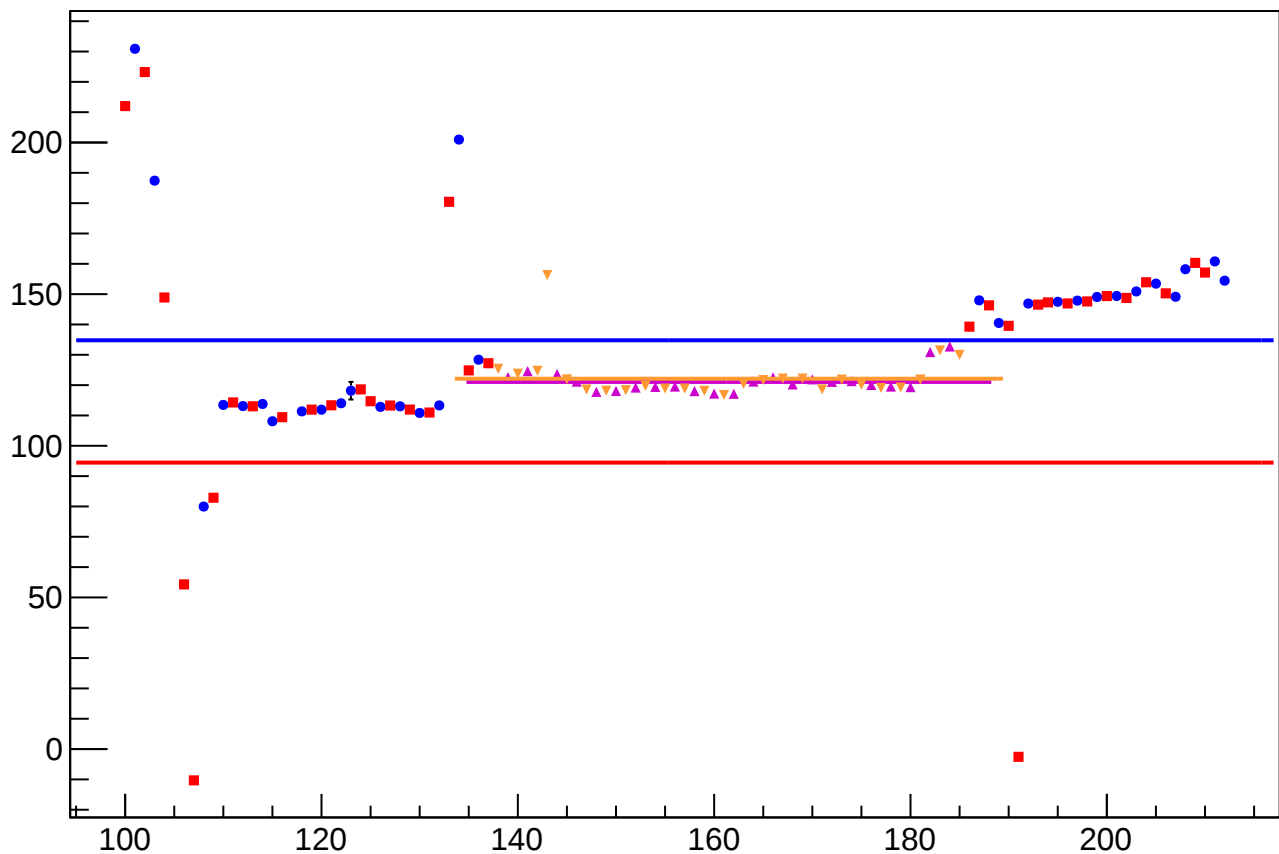
Left In: -77.838 ± 0.849 $\chi^2/\text{NDF}: 622.8/22$

+ sign -80.420 ± 0.717 $\chi^2/\text{NDF}: 2386.4/54$

All: -78.102 ± 0.503 $\chi^2/\text{NDF}: 4775.8/110$

- sign -75.849 ± 0.707 $\chi^2/\text{NDF}: 2368.8/55$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 134.790 $\pm$ 0.073 χ^2 /NDF: 209374.2/29

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF: 30480.7/24

Right Out: 94.459 $\pm$ 0.062 χ^2 /NDF: 1154148.3/32

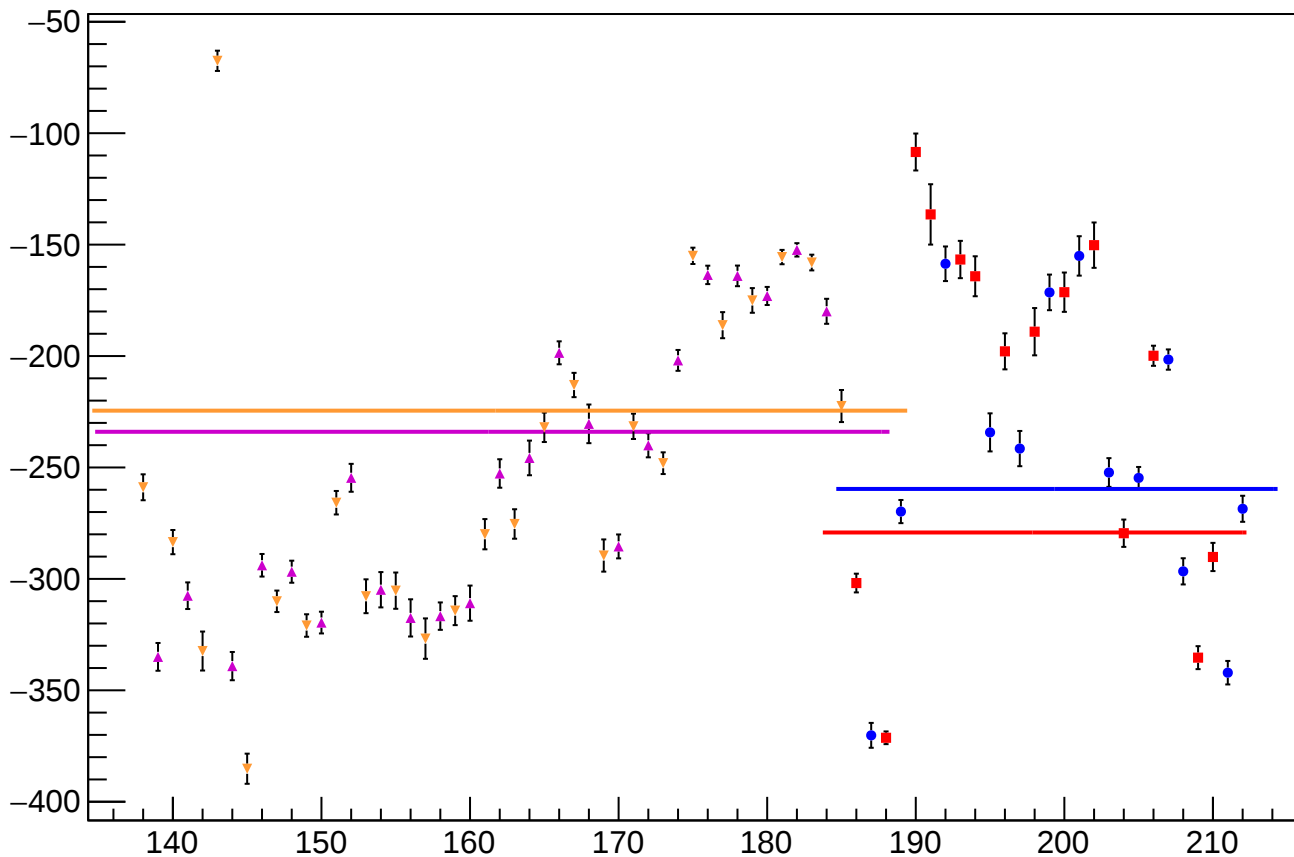
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 124.987 $\pm$ 0.035 χ^2 /NDF: 263252.3/54

All: 118.903 $\pm$ 0.024 χ^2 /NDF: 1616139.6/110

- sign 113.254 $\pm$ 0.033 χ^2 /NDF: 1293483.5/55

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -259.635 $\pm$ 1.686 χ^2/NDF : 1292.2/12

Left Out: -224.501 $\pm$ 1.079 χ^2/NDF : 4870.6/24

Right Out: -279.175 $\pm$ 1.559 χ^2/NDF : 2899.6/13

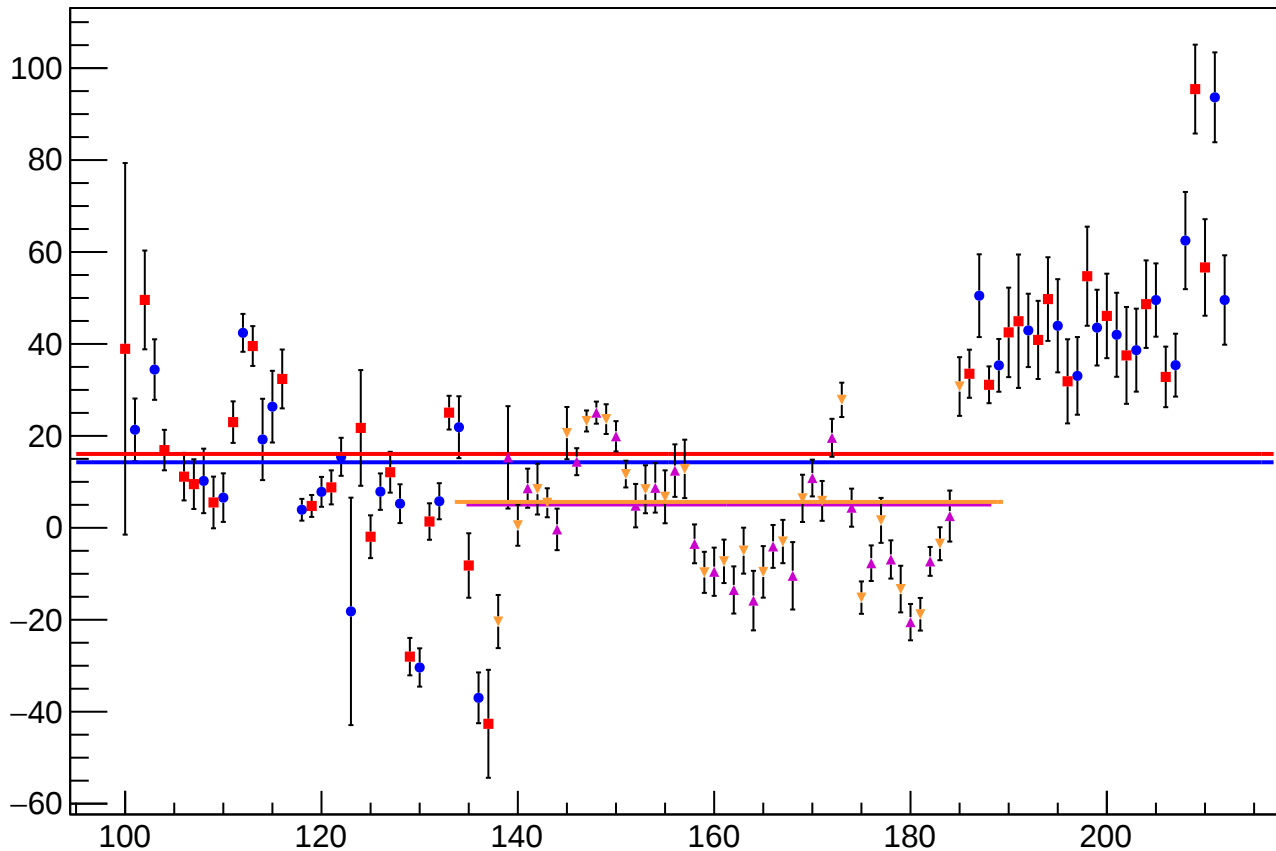
Left In: -233.988 $\pm$ 1.109 χ^2/NDF : 3538.4/22

+ sign -234.708 $\pm$ 0.909 χ^2/NDF : 6470.8/37

All: -241.975 $\pm$ 0.641 χ^2/NDF : 13593.6/74

- sign -249.157 $\pm$ 0.904 χ^2/NDF : 6995.7/36

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.259 $\pm$ 0.997 χ^2 /NDF: 515.5/29

Left Out: 5.638 $\pm$ 0.828 χ^2 /NDF: 313.6/24

Right Out: 16.072 $\pm$ 0.952 χ^2 /NDF: 460.6/32

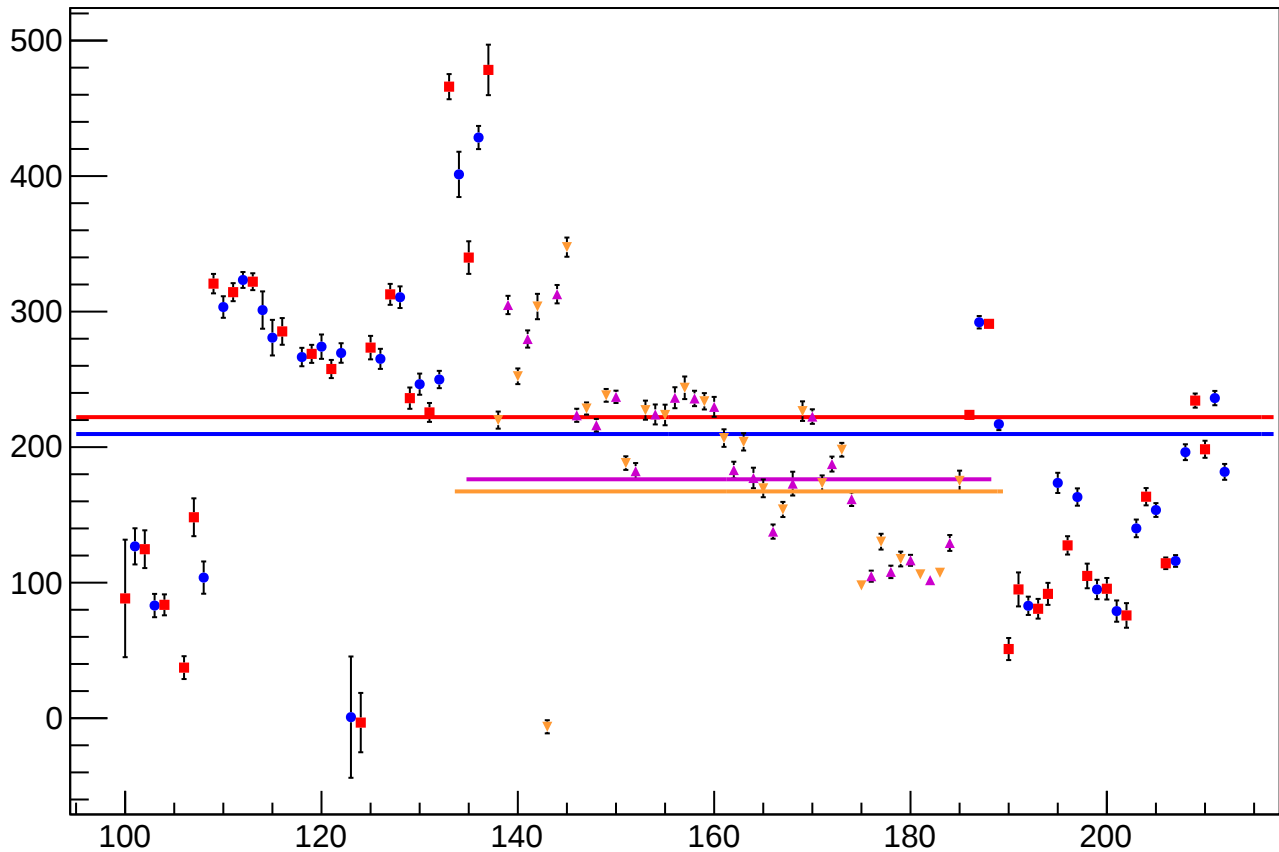
Left In: 5.077 $\pm$ 0.869 χ^2 /NDF: 239.7/22

+ sign 9.158 $\pm$ 0.637 χ^2 /NDF: 873.4/54

All: 9.614 $\pm$ 0.452 χ^2 /NDF: 1647.6/110

- sign 10.076 $\pm$ 0.642 χ^2 /NDF: 773.1/55

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 209.664 $\pm$ 1.253 χ^2 /NDF: 4243.9/29

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF:4454.5/24

Right Out: 222.134 $\pm$ 1.125 χ^2 /NDF: 6590.6/32

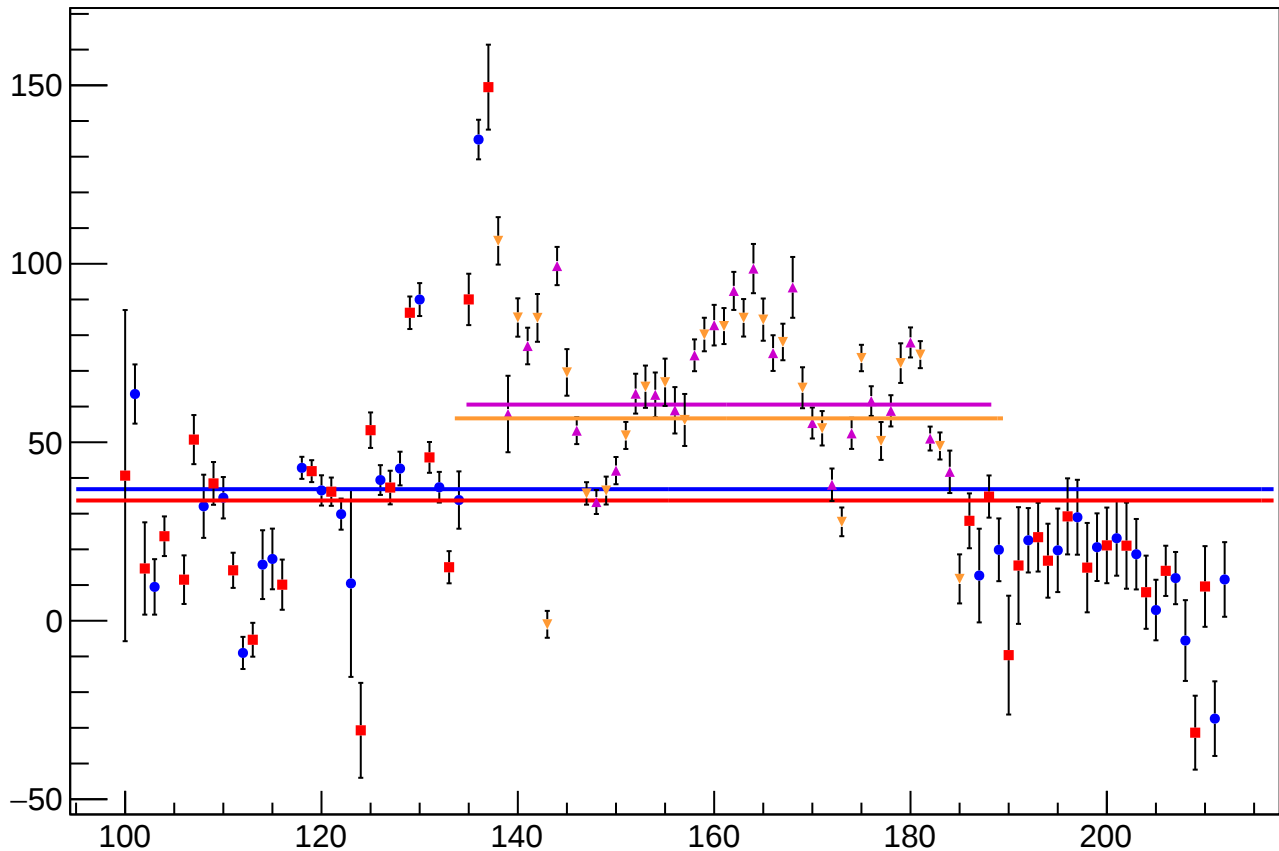
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 185.414 $\pm$ 0.819 χ^2 /NDF: 9351.8/54

All: 192.370 $\pm$ 0.568 χ^2 /NDF: 20096.4/110

- sign 198.813 $\pm$ 0.788 χ^2 /NDF: 10605.7/55

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 36.858 $\pm$ 1.155 χ^2/NDF : 696.6/29

Left Out: 56.695 $\pm$ 0.952 χ^2/NDF : 690.4/24

Right Out: 33.688 $\pm$ 1.115 χ^2/NDF : 554.4/32

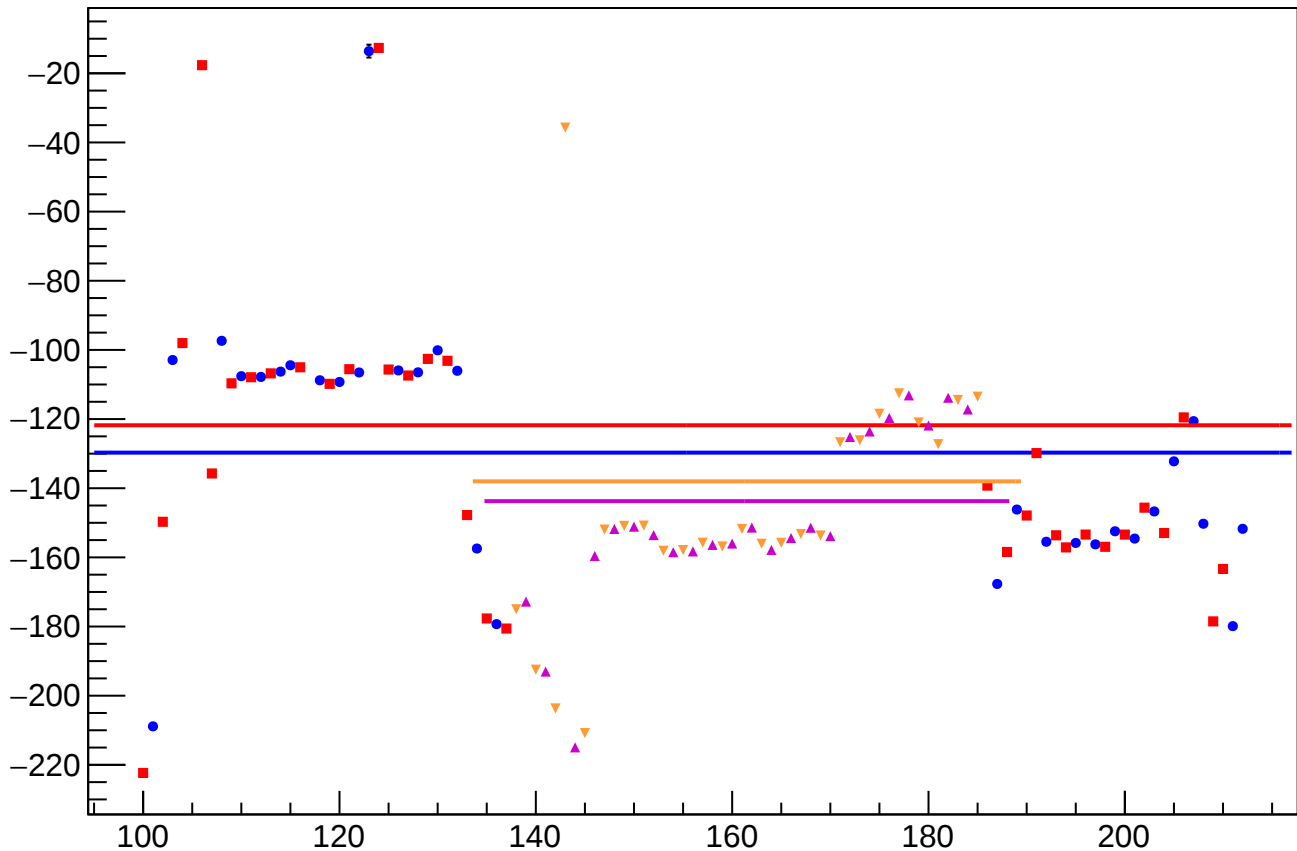
Left In: 60.555 $\pm$ 0.990 χ^2/NDF : 335.6/22

+ sign 48.669 $\pm$ 0.734 χ^2/NDF : 1562.8/54

All: 48.688 $\pm$ 0.521 χ^2/NDF : 2777.5/110

- sign 48.708 $\pm$ 0.740 χ^2/NDF : 1214.7/55

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -129.704 $\pm$ 0.061 χ^2 /NDF: 221286.8/29

Left Out: -138.008 $\pm$ 0.045 χ^2 /NDF: 565767.2/24

Right Out: -121.791 $\pm$ 0.058 χ^2 /NDF: 475816.8/32

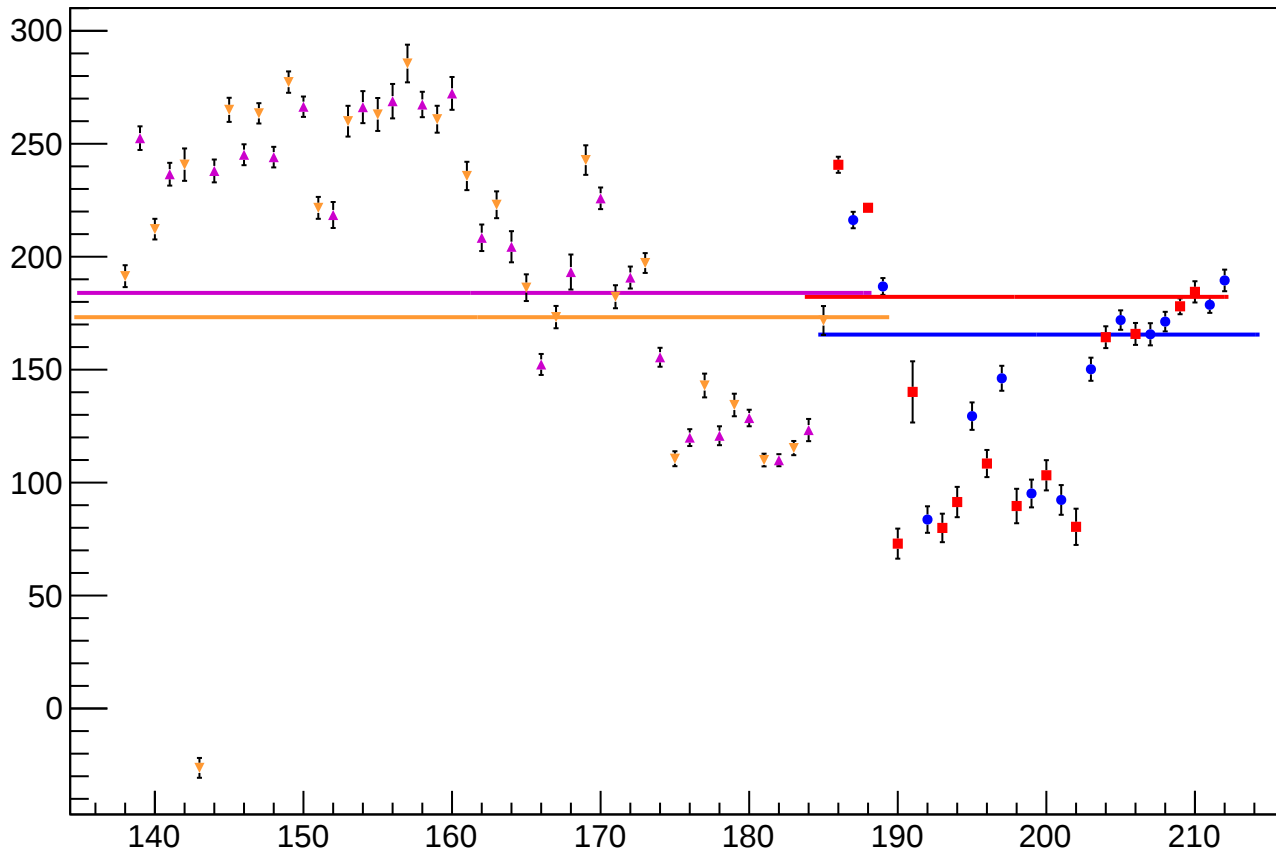
Left In: -143.735 $\pm$ 0.046 χ^2 /NDF: 258408.3/22

+ sign -135.100 $\pm$ 0.036 χ^2 /NDF: 798915.2/54

All: -135.168 $\pm$ 0.026 χ^2 /NDF: 1620918.0/11

- sign -135.235 $\pm$ 0.036 χ^2 /NDF: 821995.8/55

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 165.531 ± 1.296 χ^2/NDF : 776.6/12

Left Out: 173.229 ± 0.966 χ^2/NDF : 5846.0/24

Right Out: 182.230 ± 1.165 χ^2/NDF : 2068.3/13

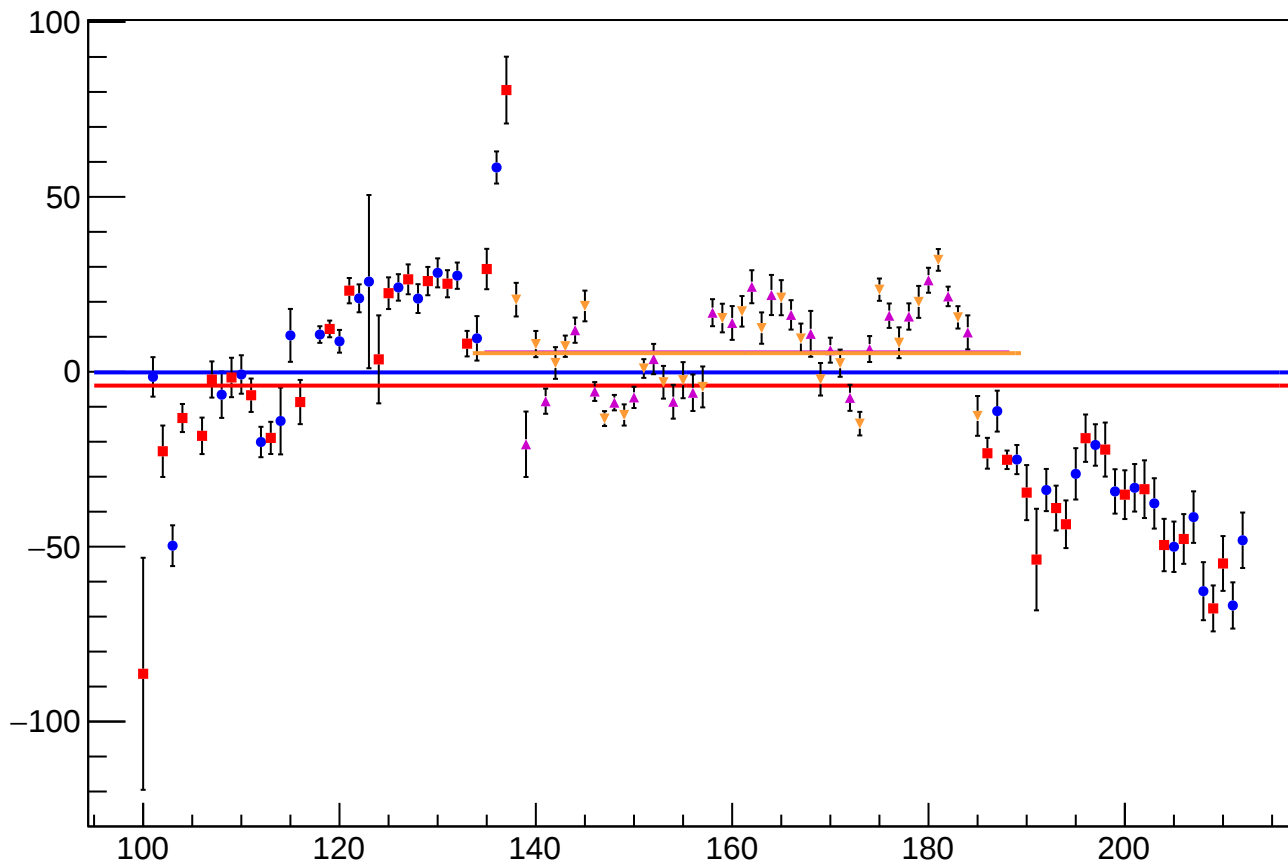
Left In: 183.984 ± 0.991 χ^2/NDF : 3613.7/22

+ sign 170.481 ± 0.774 χ^2/NDF : 6645.3/37

All: 177.027 ± 0.540 χ^2/NDF : 12468.0/74

- sign 183.248 ± 0.755 χ^2/NDF : 5683.3/36

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.183 ± 0.920 χ^2/NDF : 941.5/29

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -3.954 ± 0.870 χ^2/NDF : 887.0/32

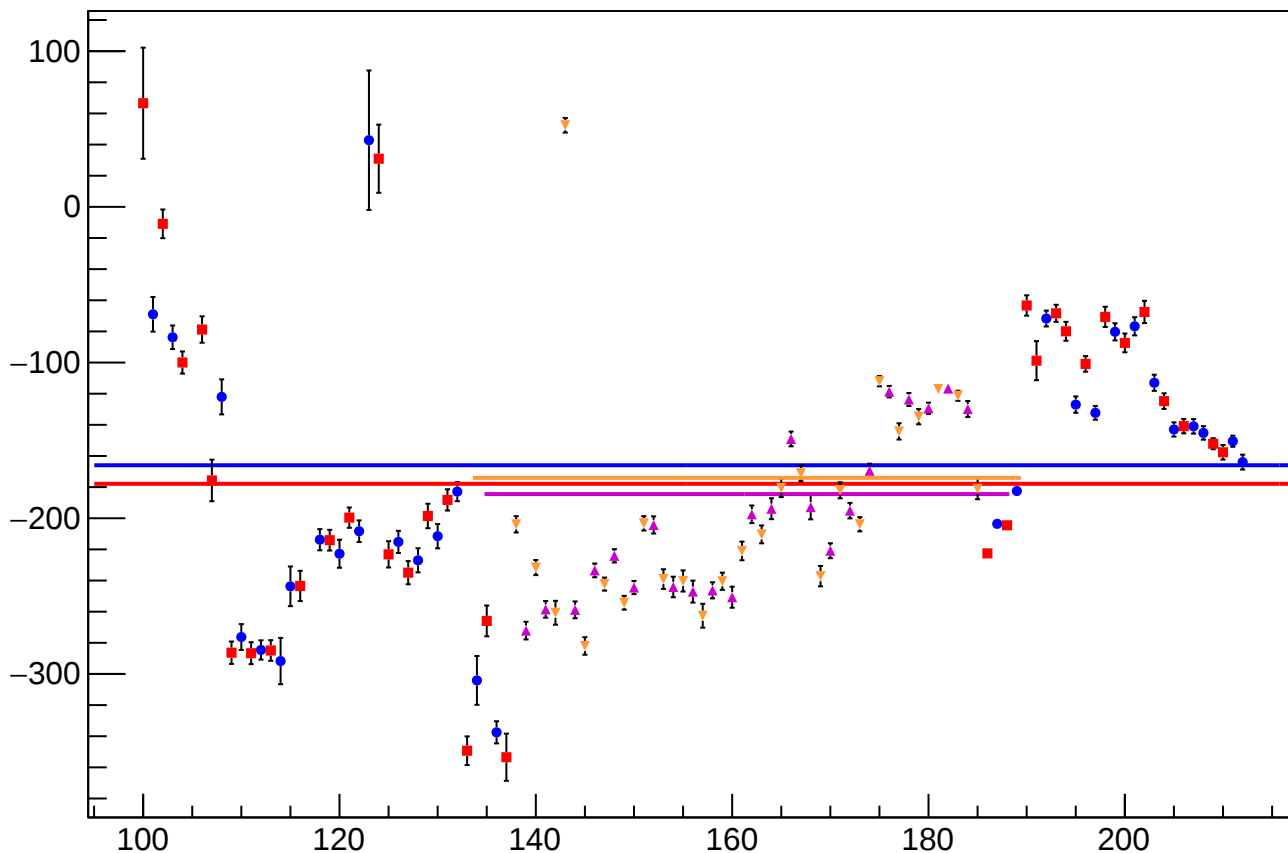
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 3.133 ± 0.580 χ^2/NDF : 1308.6/54

All: 2.216 ± 0.411 χ^2/NDF : 2522.7/110

- sign 1.296 ± 0.581 χ^2/NDF : 1209.1/55

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -165.958 ± 1.025 χ^2/NDF : 3140.2/29

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -177.875 ± 0.894 χ^2/NDF : 4983.4/32

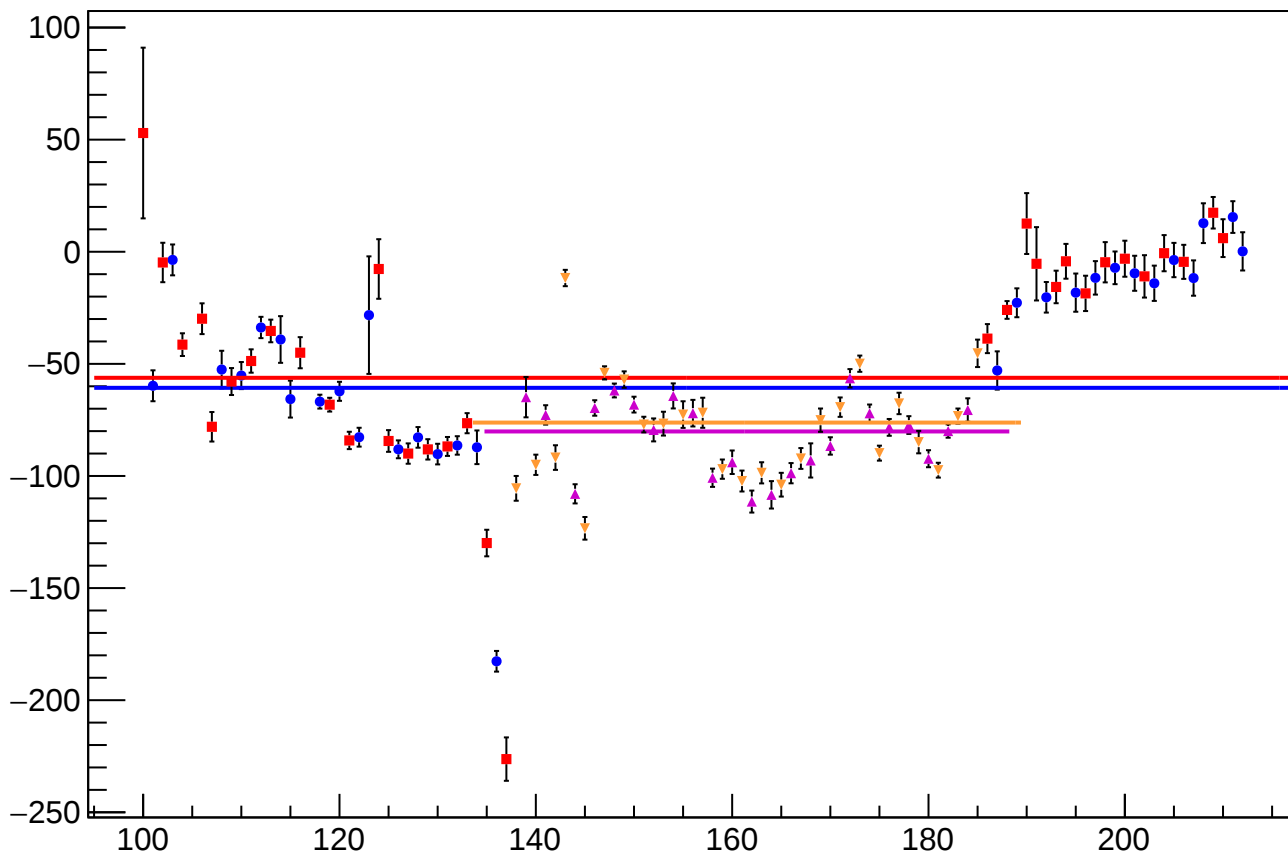
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -170.228 ± 0.705 χ^2/NDF : 8616.4/54

All: -175.846 ± 0.483 χ^2/NDF : 16795.7/110

- sign -180.831 ± 0.664 χ^2/NDF : 8059.3/55

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -60.688 ± 1.070 χ^2/NDF : 1602.4/29

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -56.217 ± 1.032 χ^2/NDF : 1412.1/32

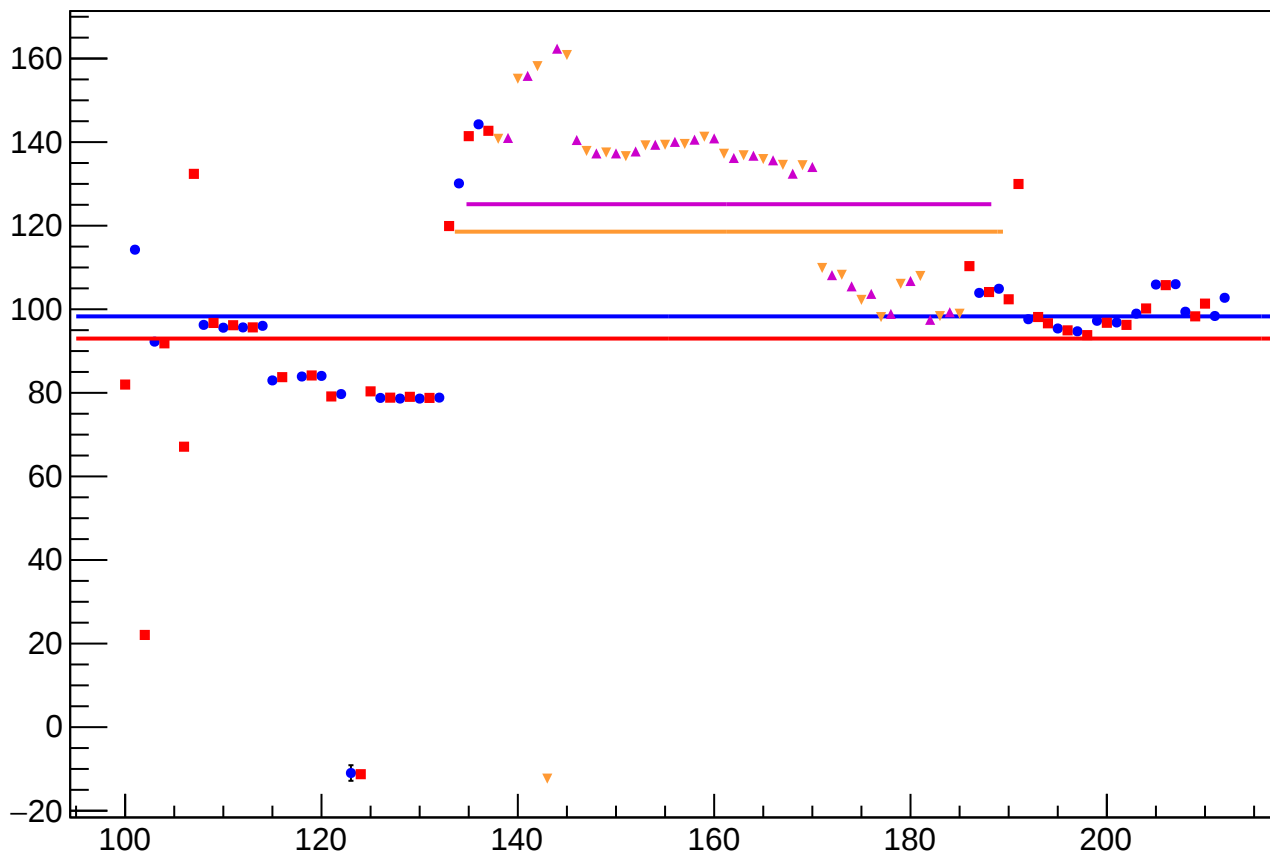
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -70.126 ± 0.669 χ^2/NDF : 2531.1/54

All: -70.039 ± 0.475 χ^2/NDF : 4535.3/110

- sign -69.952 ± 0.673 χ^2/NDF : 2004.2/55

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.297 $\pm$ 0.054 χ^2 /NDF: 96224.4/29

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 92.990 $\pm$ 0.051 χ^2 /NDF: 243930.9/32

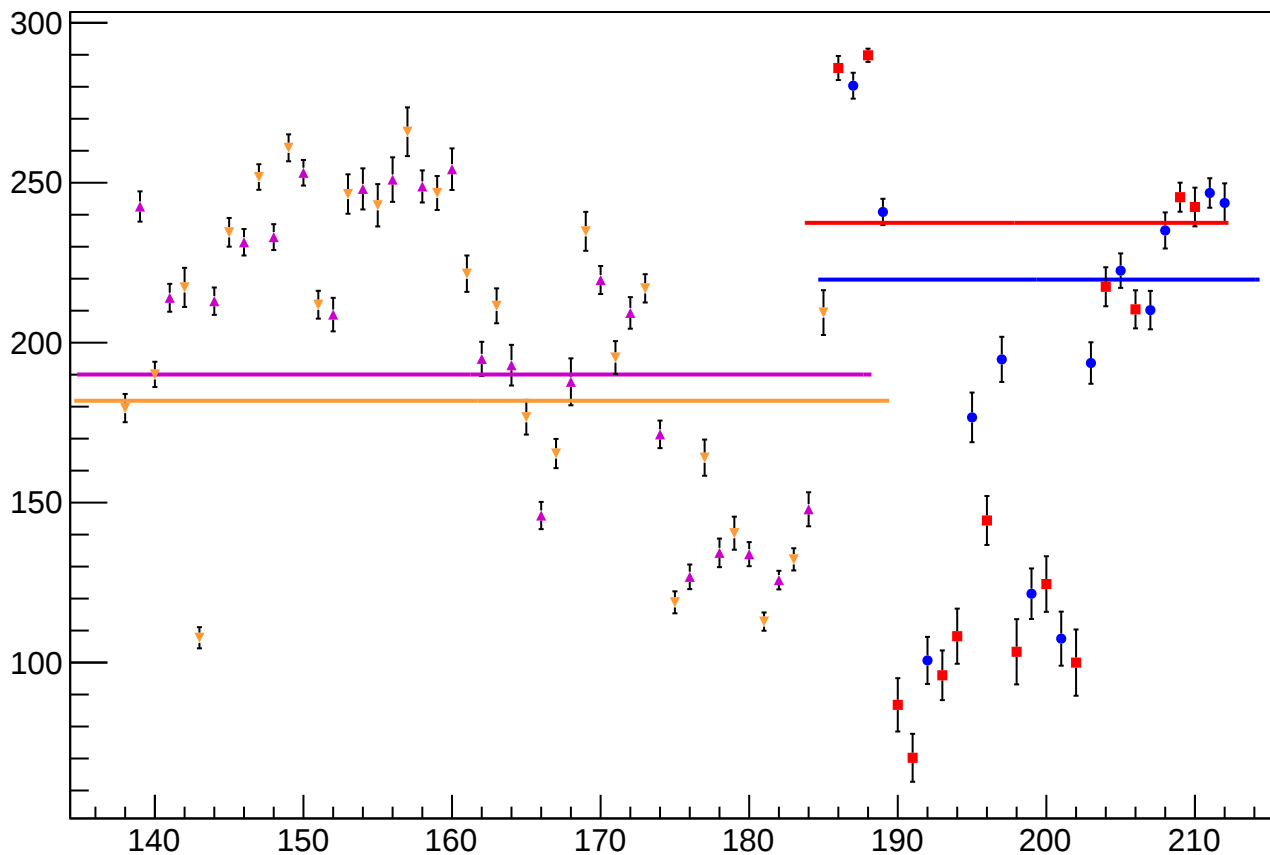
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 111.215 $\pm$ 0.032 χ^2 /NDF: 915832.2/54

All: 111.751 $\pm$ 0.023 χ^2 /NDF: 1623894.1/110

- sign 112.275 $\pm$ 0.032 χ^2 /NDF: 707518.1/55

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 219.719 $\pm$ 1.588 χ^2 /NDF: 962.7/12

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF: 3303.4/24

Right Out: 237.465 $\pm$ 1.352 χ^2 /NDF: 2888.3/13

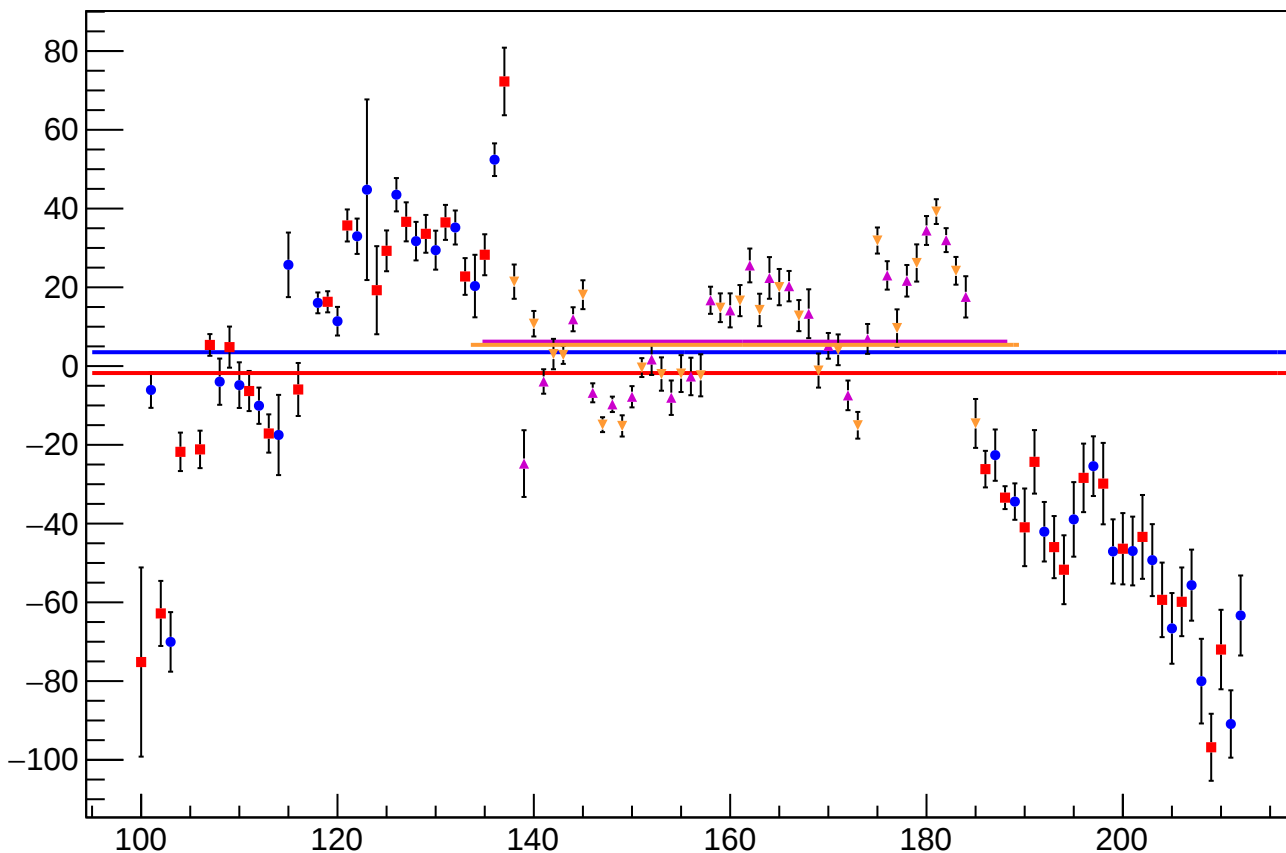
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF: 2438.4/22

+ sign 191.260 $\pm$ 0.792 χ^2 /NDF: 4693.3/37

All: 198.638 $\pm$ 0.555 χ^2 /NDF: 11012.3/74

- sign 205.778 $\pm$ 0.779 χ^2 /NDF: 6148.2/36

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 3.520 ± 1.028 $\chi^2/\text{NDF}: 1133.2/29$

Left Out: 5.394 ± 0.688 $\chi^2/\text{NDF}: 526.5/24$

Right Out: -1.769 ± 0.928 $\chi^2/\text{NDF}: 1155.2/32$

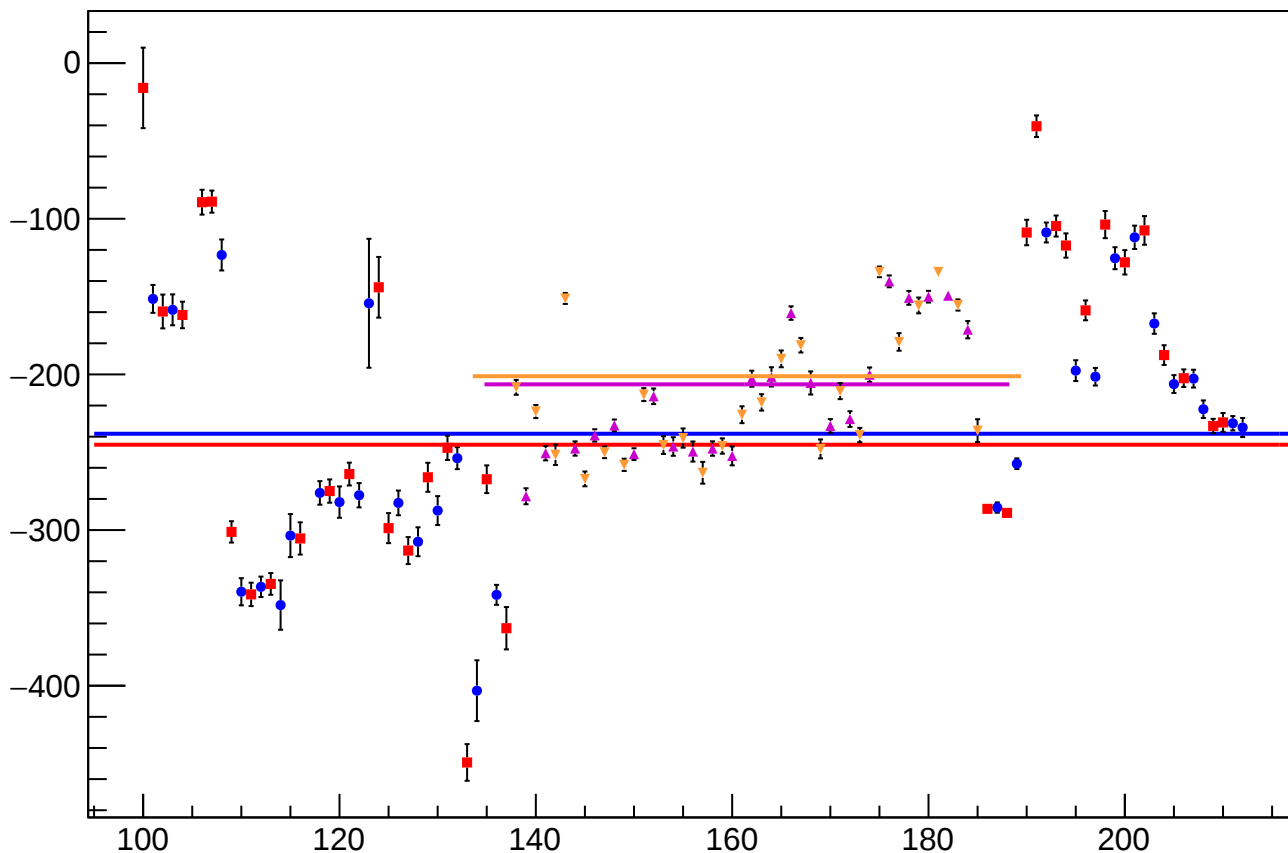
Left In: 6.206 ± 0.732 $\chi^2/\text{NDF}: 407.5/22$

+ sign 4.814 ± 0.572 $\chi^2/\text{NDF}: 1662.0/54$

All: 3.986 ± 0.405 $\chi^2/\text{NDF}: 3274.5/110$

- sign 3.149 ± 0.575 $\chi^2/\text{NDF}: 1608.2/55$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -238.121 ± 1.204 χ^2/NDF : 2703.5/29

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -245.173 ± 1.006 χ^2/NDF : 5835.3/32

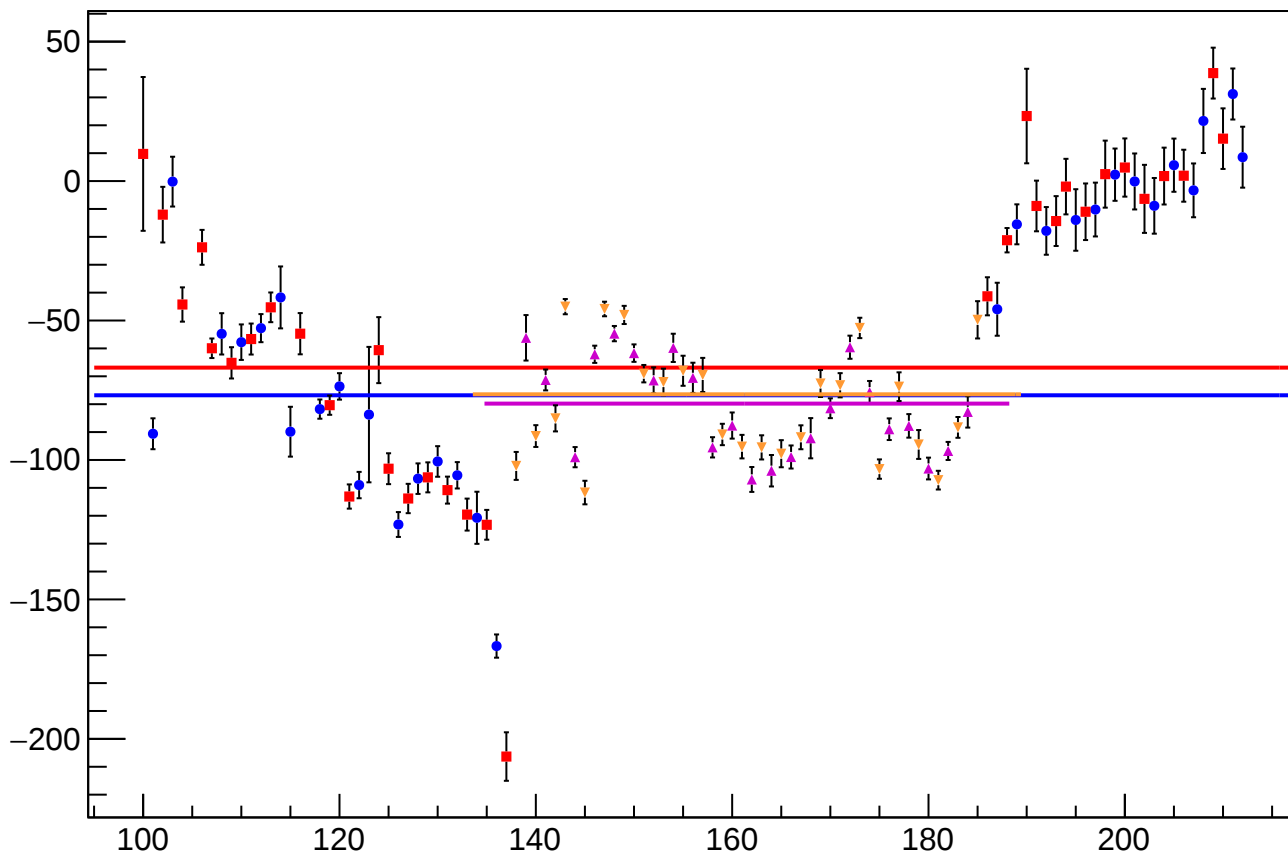
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -214.735 ± 0.730 χ^2/NDF : 5788.8/54

All: -219.972 ± 0.502 χ^2/NDF : 14619.7/110

- sign -224.659 ± 0.691 χ^2/NDF : 8733.3/55

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -76.807 ± 1.197 $\chi^2/\text{NDF}: 1656.9/29$

Left Out: -76.460 ± 0.797 $\chi^2/\text{NDF}: 781.3/24$

Right Out: -66.889 ± 1.106 $\chi^2/\text{NDF}: 1661.8/32$

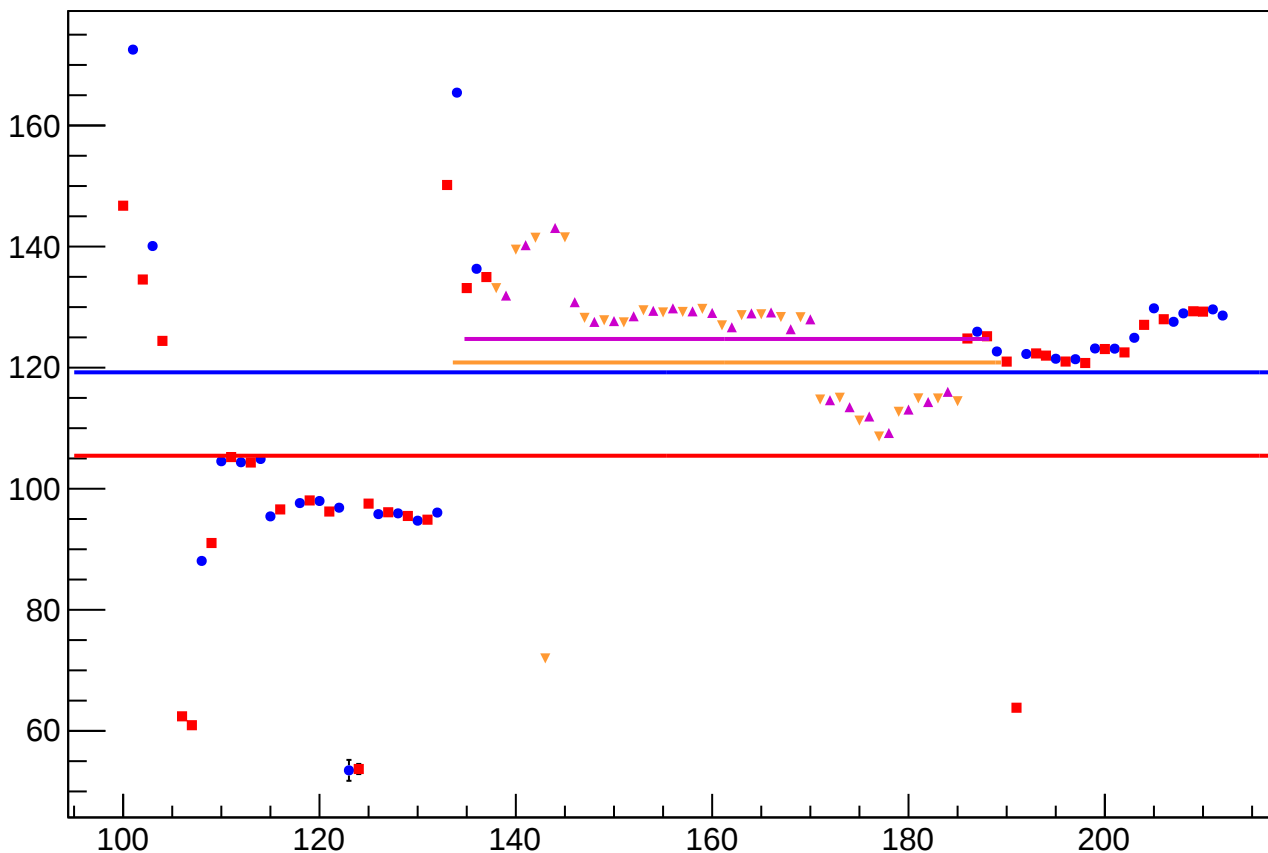
Left In: -79.792 ± 0.840 $\chi^2/\text{NDF}: 412.3/22$

+ sign -76.566 ± 0.663 $\chi^2/\text{NDF}: 2438.3/54$

All: -75.827 ± 0.471 $\chi^2/\text{NDF}: 4601.2/110$

- sign -75.074 ± 0.669 $\chi^2/\text{NDF}: 2160.4/55$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.227 $\pm$ 0.061 χ^2 /NDF: 110902.3/29

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF: 182759.1/24

Right Out: 105.452 $\pm$ 0.054 χ^2 /NDF: 248340.6/32

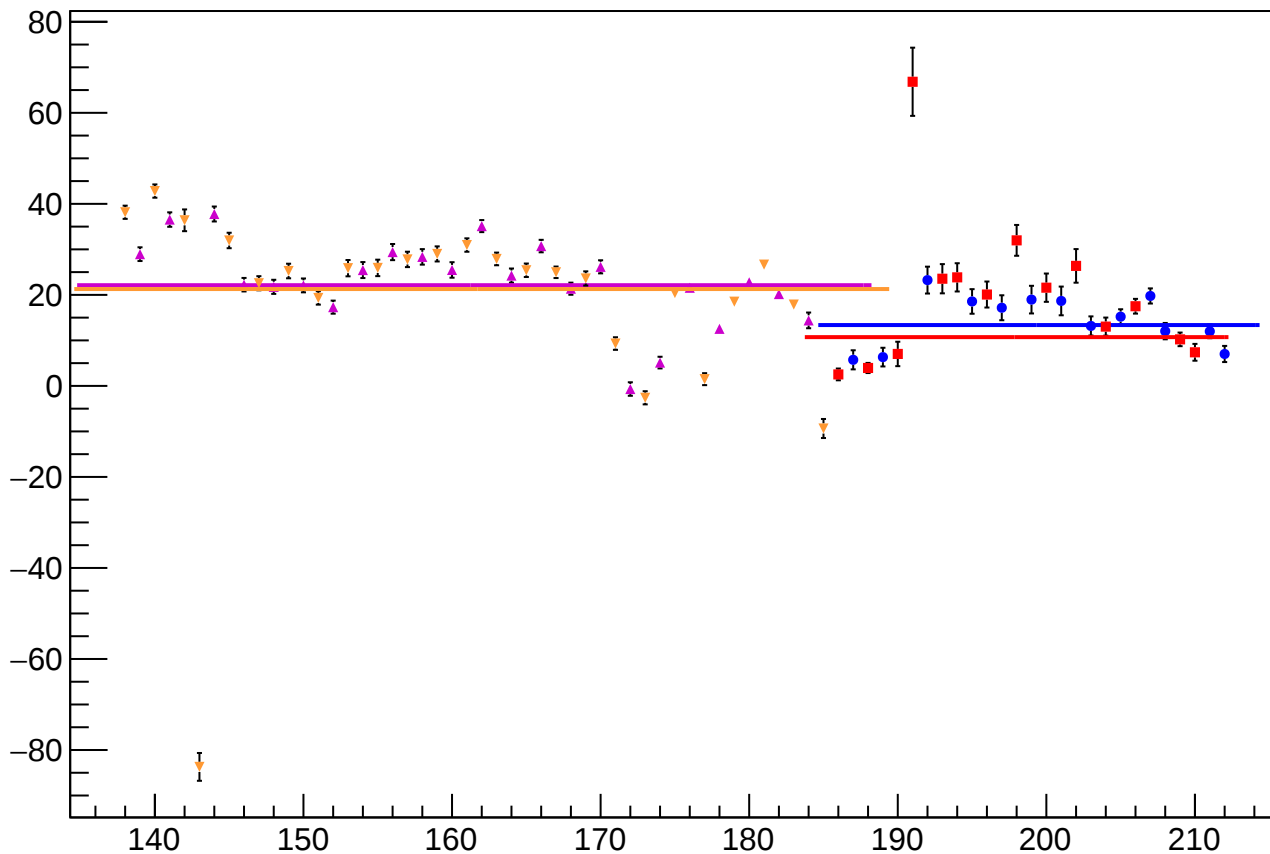
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 120.404 $\pm$ 0.032 χ^2 /NDF: 294168.7/54

All: 119.241 $\pm$ 0.023 χ^2 /NDF: 679231.3/110

- sign 118.117 $\pm$ 0.032 χ^2 /NDF: 382522.6/55

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 13.370 $\pm$ 0.569 χ^2 /NDF: 78.4/12

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF: 2600.5/24

Right Out: 10.716 $\pm$ 0.533 χ^2 /NDF: 271.6/13

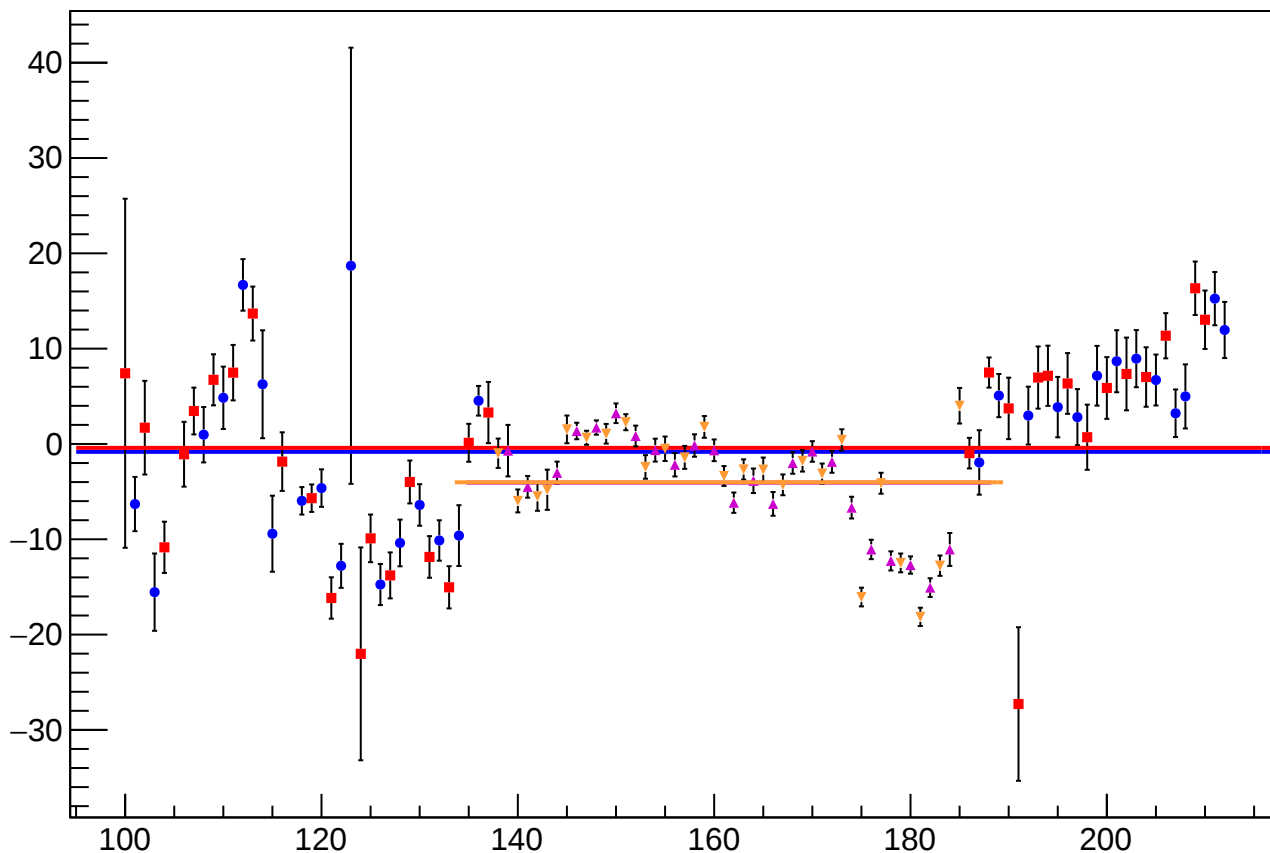
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF: 900.2/22

+ sign 19.717 $\pm$ 0.253 χ^2 /NDF: 2834.1/37

All: 19.649 $\pm$ 0.178 χ^2 /NDF: 4362.4/74

- sign 19.581 $\pm$ 0.252 χ^2 /NDF: 1528.2/36

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.826 ± 0.475 $\chi^2/\text{NDF}: 317.9/29$

Left Out: -4.022 ± 0.223 $\chi^2/\text{NDF}: 734.1/24$

Right Out: -0.408 ± 0.453 $\chi^2/\text{NDF}: 393.9/32$

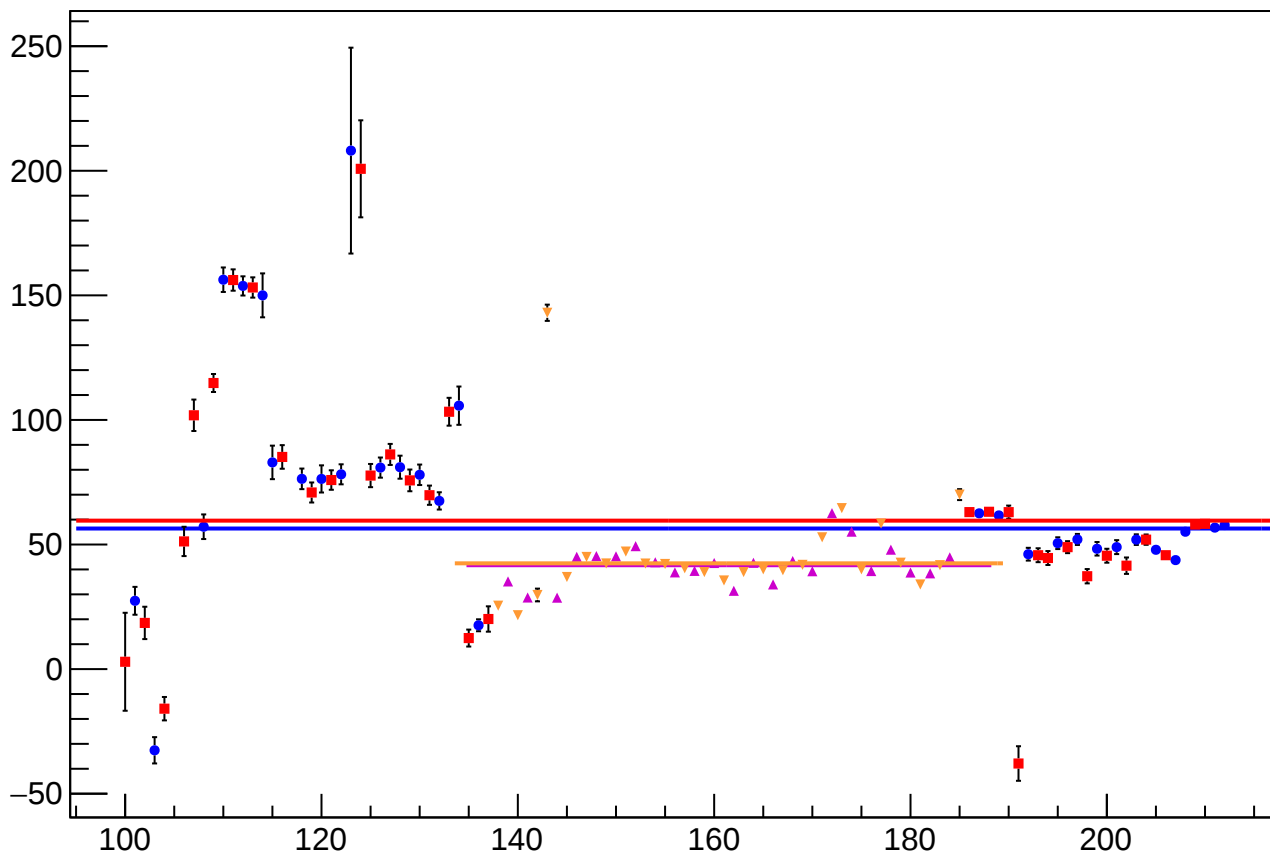
Left In: -4.059 ± 0.228 $\chi^2/\text{NDF}: 577.2/22$

+ sign -3.444 ± 0.202 $\chi^2/\text{NDF}: 1089.1/54$

All: -3.383 ± 0.143 $\chi^2/\text{NDF}: 2112.2/110$

- sign -3.321 ± 0.204 $\chi^2/\text{NDF}: 1022.9/55$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 56.422 $\pm$ 0.480 χ^2 /NDF: 2135.1/29

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 59.585 $\pm$ 0.432 χ^2 /NDF: 2629.5/32

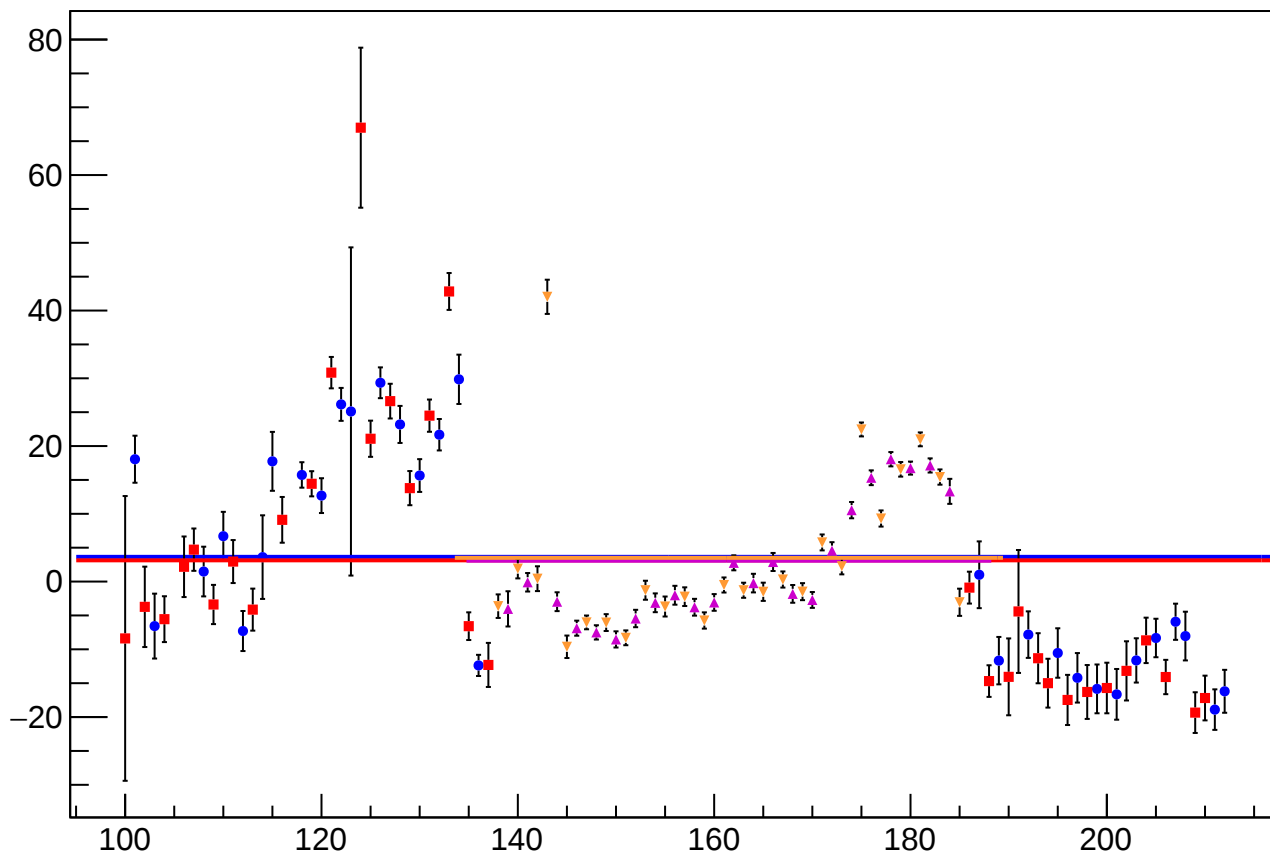
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 46.031 $\pm$ 0.243 χ^2 /NDF: 4780.1/54

All: 46.576 $\pm$ 0.170 χ^2 /NDF: 9246.6/110

- sign 47.096 $\pm$ 0.237 χ^2 /NDF: 4456.7/55

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 3.649 ± 0.542 χ^2/NDF : 895.9/29

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 3.134 ± 0.533 χ^2/NDF : 1075.3/32

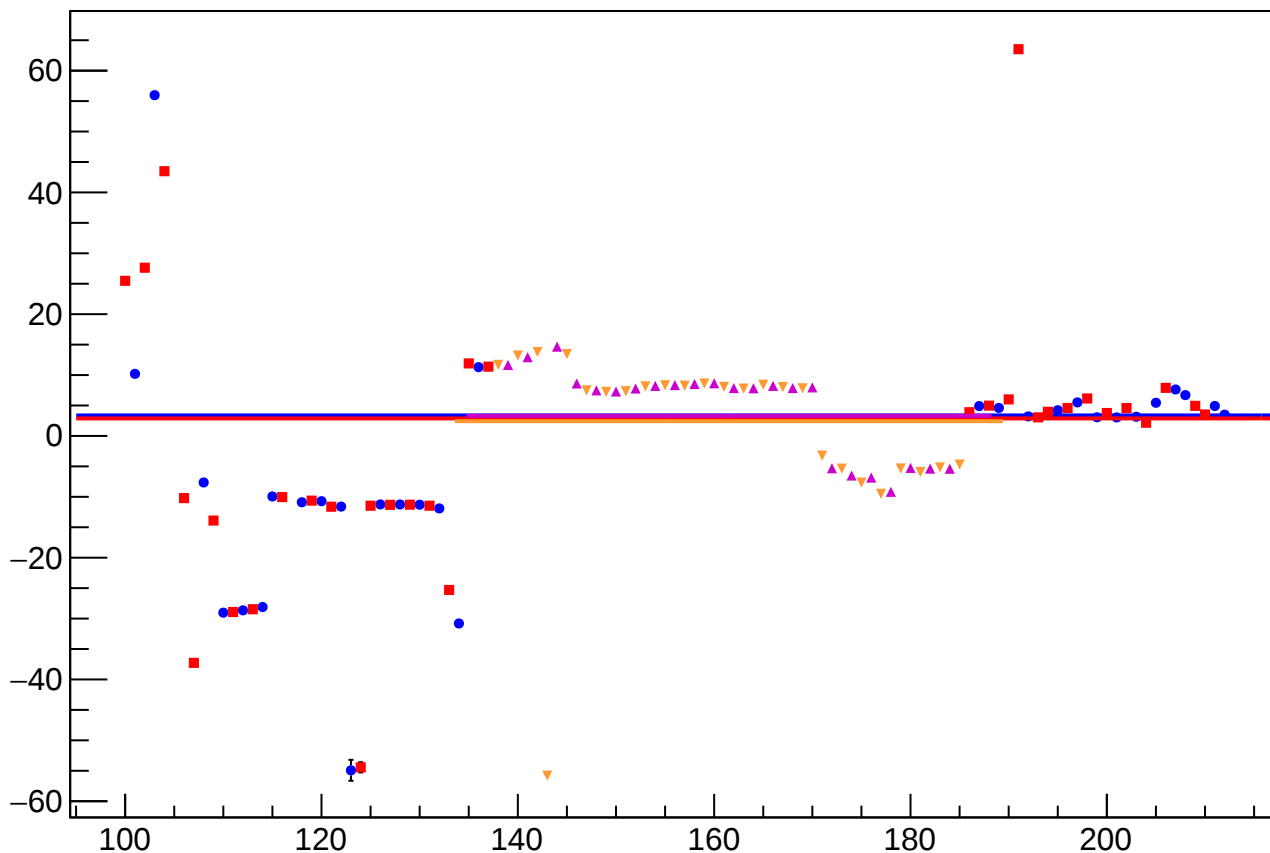
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 3.531 ± 0.229 χ^2/NDF : 2587.2/54

All: 3.314 ± 0.163 χ^2/NDF : 4930.1/110

- sign 3.091 ± 0.231 χ^2/NDF : 2341.0/55

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 3.367 $\pm$ 0.025 χ^2 /NDF: 362398.1/29

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 2.879 $\pm$ 0.025 χ^2 /NDF: 434499.5/32

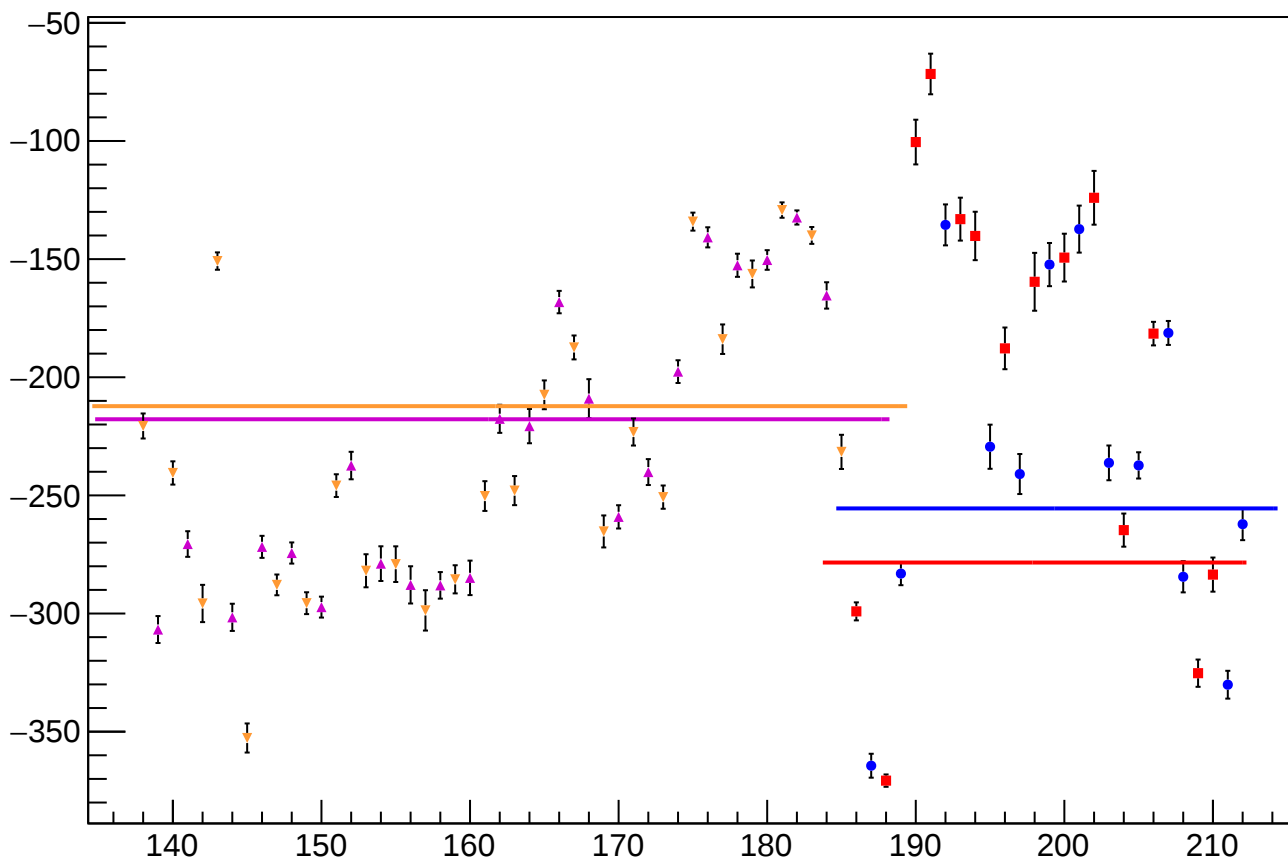
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.588 $\pm$ 0.011 χ^2 /NDF: 979928.1/54

All: 2.902 $\pm$ 0.007 χ^2 /NDF: 1820765.8/110

- sign 3.219 $\pm$ 0.011 χ^2 /NDF: 839048.3/55

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -255.516 $\pm$ 1.811 χ^2 /NDF: 1378.5/12

Left Out: -212.231 $\pm$ 1.029 χ^2 /NDF: 3875.4/24

Right Out: -278.416 $\pm$ 1.564 χ^2 /NDF: 3643.2/13

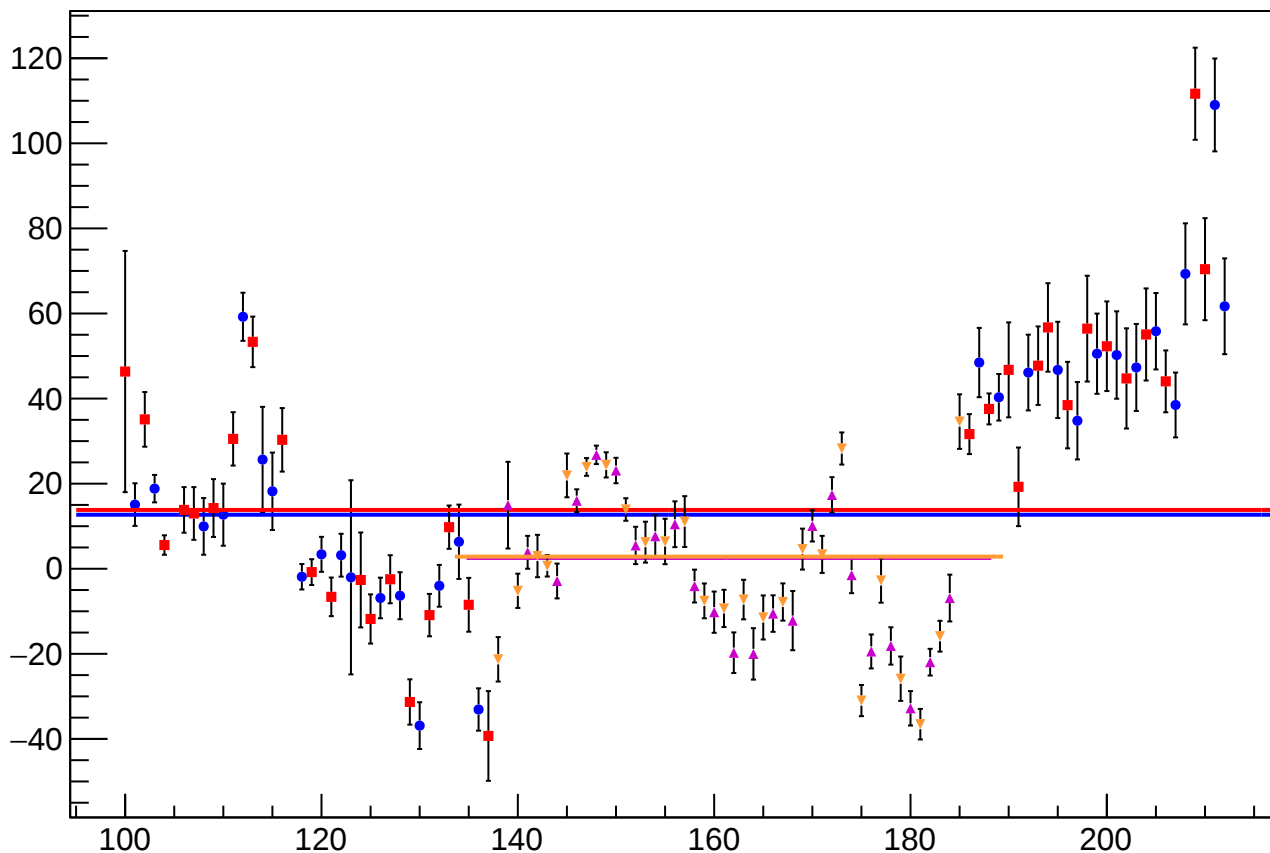
Left In: -217.779 $\pm$ 1.067 χ^2 /NDF: 3448.9/22

+ sign -222.800 $\pm$ 0.895 χ^2 /NDF: 5685.6/37

All: -230.022 $\pm$ 0.628 χ^2 /NDF: 13931.5/74

- sign -237.026 $\pm$ 0.881 χ^2 /NDF: 8117.7/36

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 12.698 $\pm$ 1.112 χ^2 /NDF: 581.6/29

Left Out: 2.848 $\pm$ 0.775 χ^2 /NDF: 582.1/24

Right Out: 13.826 $\pm$ 1.009 χ^2 /NDF: 560.3/32

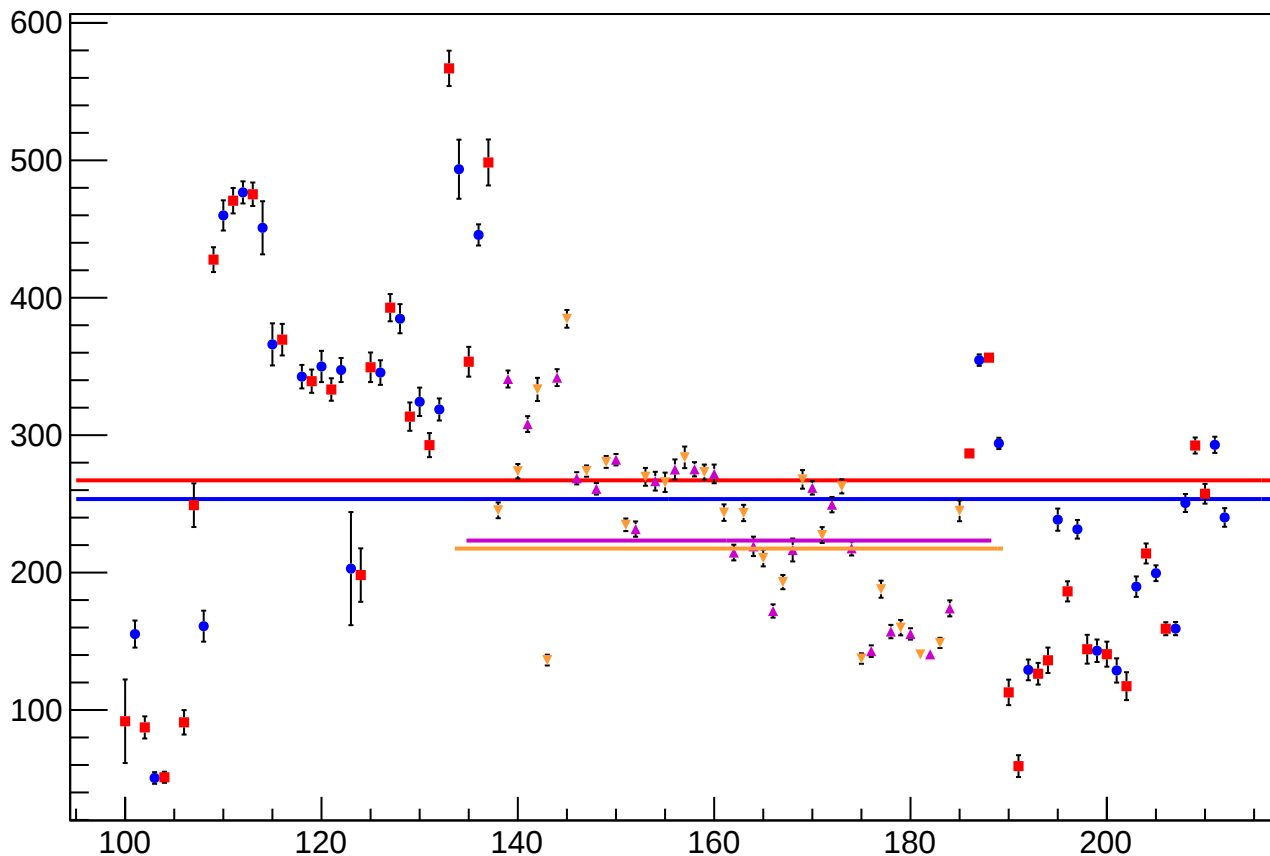
Left In: 2.540 $\pm$ 0.822 χ^2 /NDF: 473.6/22

+ sign 6.066 $\pm$ 0.636 χ^2 /NDF: 1216.6/54

All: 6.554 $\pm$ 0.450 χ^2 /NDF: 2326.8/110

- sign 7.046 $\pm$ 0.638 χ^2 /NDF: 1109.1/55

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 253.513 ± 1.325 $\chi^2/\text{NDF}: 7117.8/29$

Left Out: 217.484 ± 1.032 $\chi^2/\text{NDF}: 3769.5/24$

Right Out: 267.117 ± 1.131 $\chi^2/\text{NDF}: 11051.8/32$

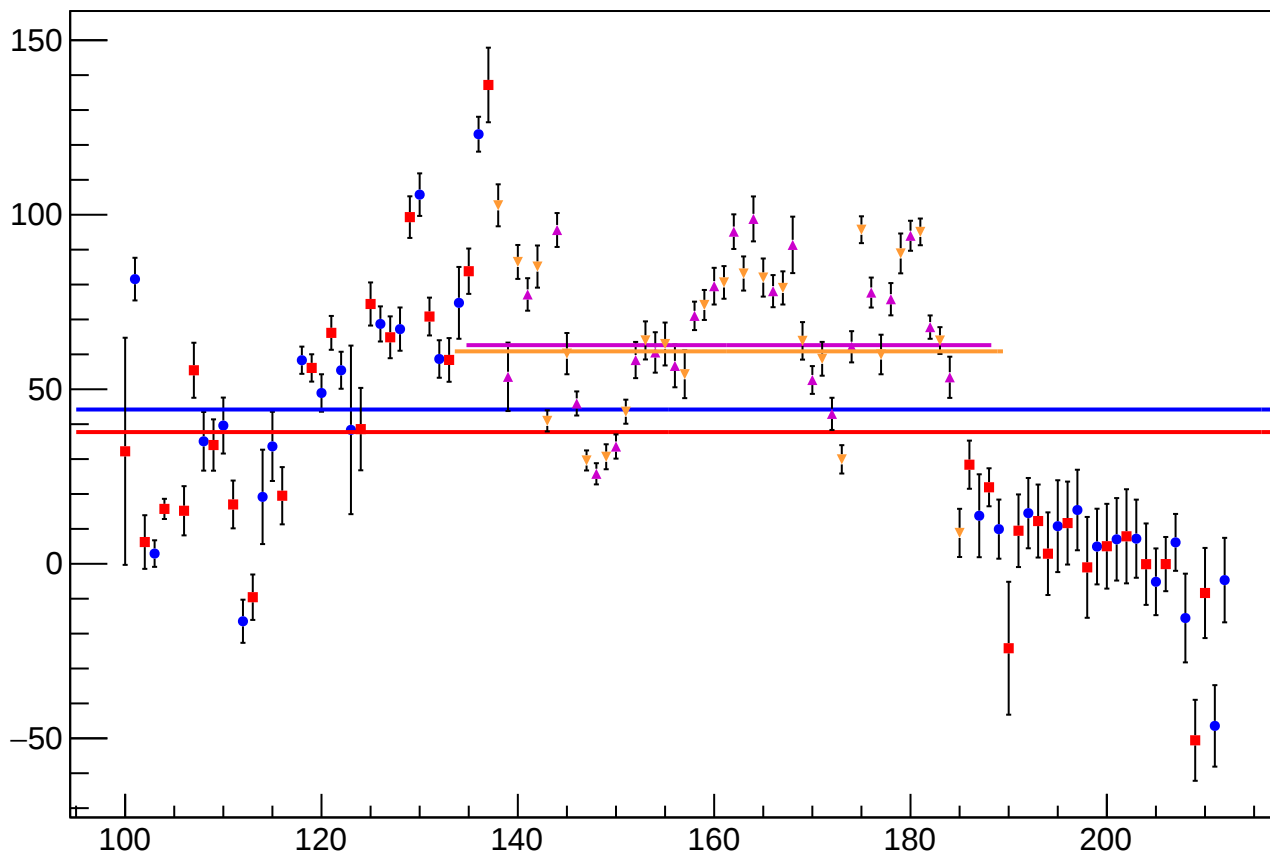
Left In: 223.309 ± 1.062 $\chi^2/\text{NDF}: 3378.0/22$

+ sign 231.098 ± 0.814 $\chi^2/\text{NDF}: 11347.5/54$

All: 237.791 ± 0.561 $\chi^2/\text{NDF}: 26703.5/110$

- sign 243.839 ± 0.774 $\chi^2/\text{NDF}: 15227.4/55$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 44.201 $\pm$ 1.295 χ^2 /NDF: 906.0/29

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 37.737 $\pm$ 1.207 χ^2 /NDF: 733.4/32

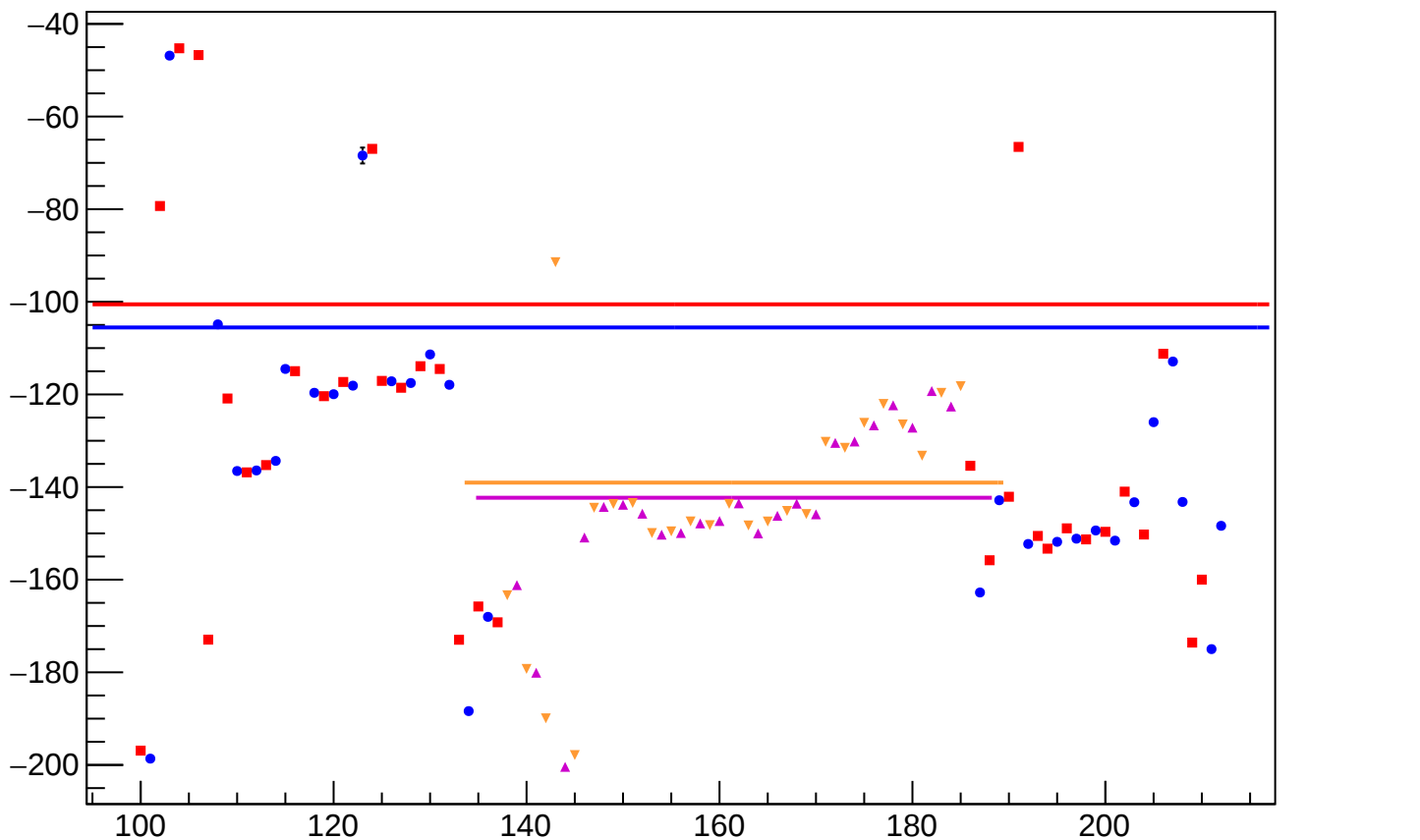
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 55.466 $\pm$ 0.737 χ^2 /NDF: 1749.5/54

All: 54.346 $\pm$ 0.523 χ^2 /NDF: 3267.2/110

- sign 53.208 $\pm$ 0.743 χ^2 /NDF: 1513.1/55

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -105.541 ± 0.058 χ^2/NDF : 722128.4/29

Left Out: -139.040 ± 0.043 χ^2/NDF : 258113.4/24

Right Out: -100.545 ± 0.055 χ^2/NDF : 757317.0/32

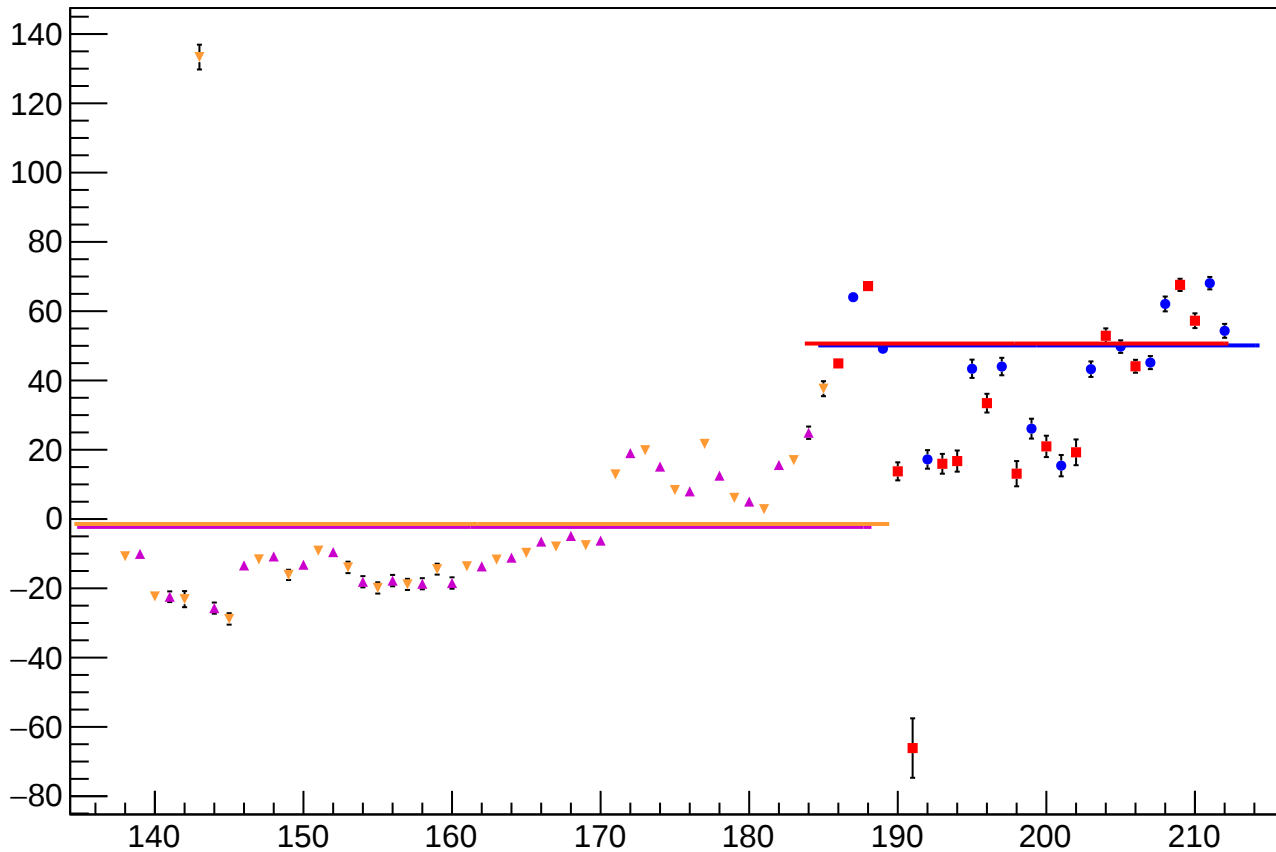
Left In: -142.305 ± 0.044 χ^2/NDF : 143351.8/22

+ sign -127.127 ± 0.034 χ^2/NDF : 1197380.6/54

All: -126.481 ± 0.024 χ^2/NDF : 2452683.5/11

- sign -125.839 ± 0.034 χ^2/NDF : 1254599.5/55

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 50.115 ± 0.558 χ^2/NDF : 613.0/12

Left Out: -1.427 ± 0.268 χ^2/NDF : 4339.0/24

Right Out: 50.657 ± 0.455 χ^2/NDF : 1585.5/13

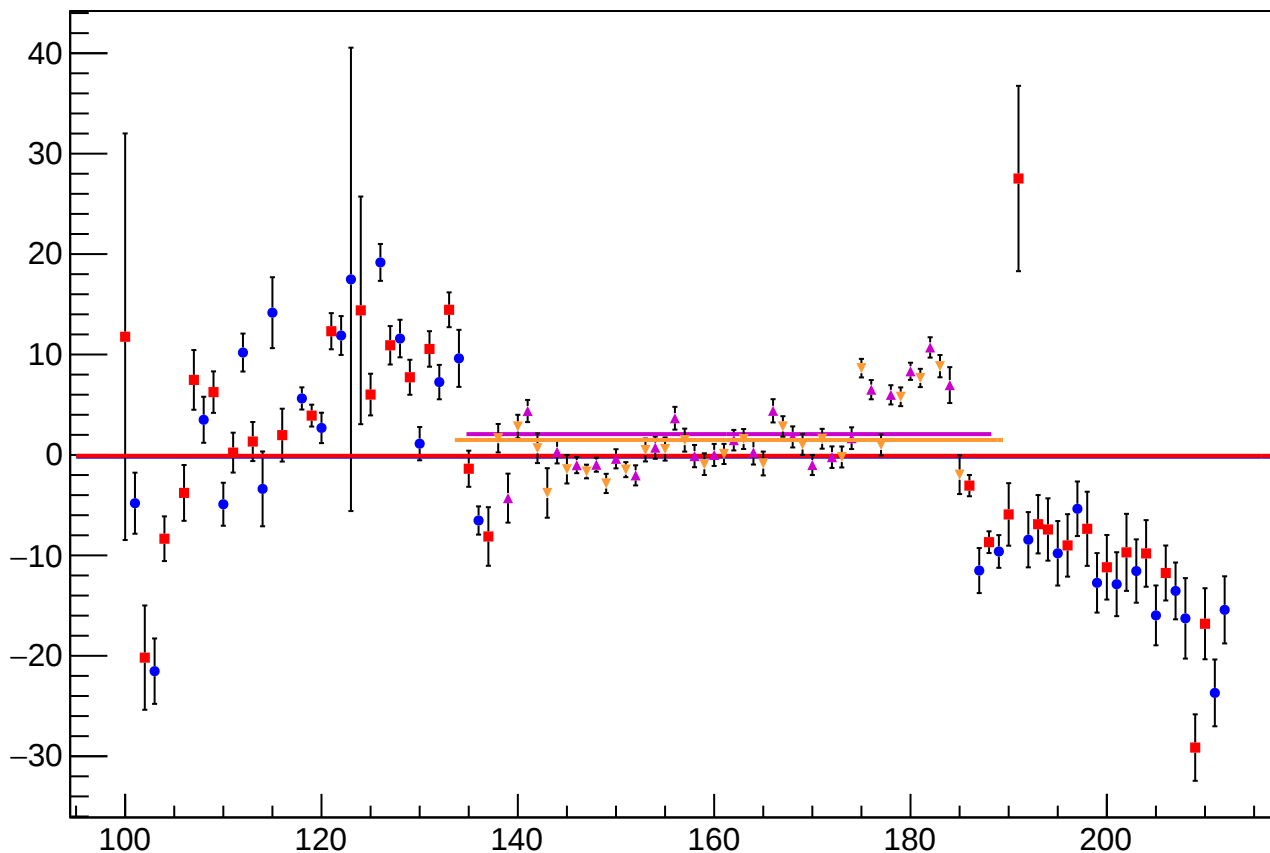
Left In: -2.270 ± 0.271 χ^2/NDF : 2521.6/22

+ sign 8.221 ± 0.241 χ^2/NDF : 11894.5/37

All: 9.959 ± 0.167 χ^2/NDF : 26099.2/74

- sign 11.575 ± 0.233 χ^2/NDF : 14104.6/36

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.172 ± 0.401 χ^2/NDF : 638.1/29

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: -0.084 ± 0.371 χ^2/NDF : 537.9/32

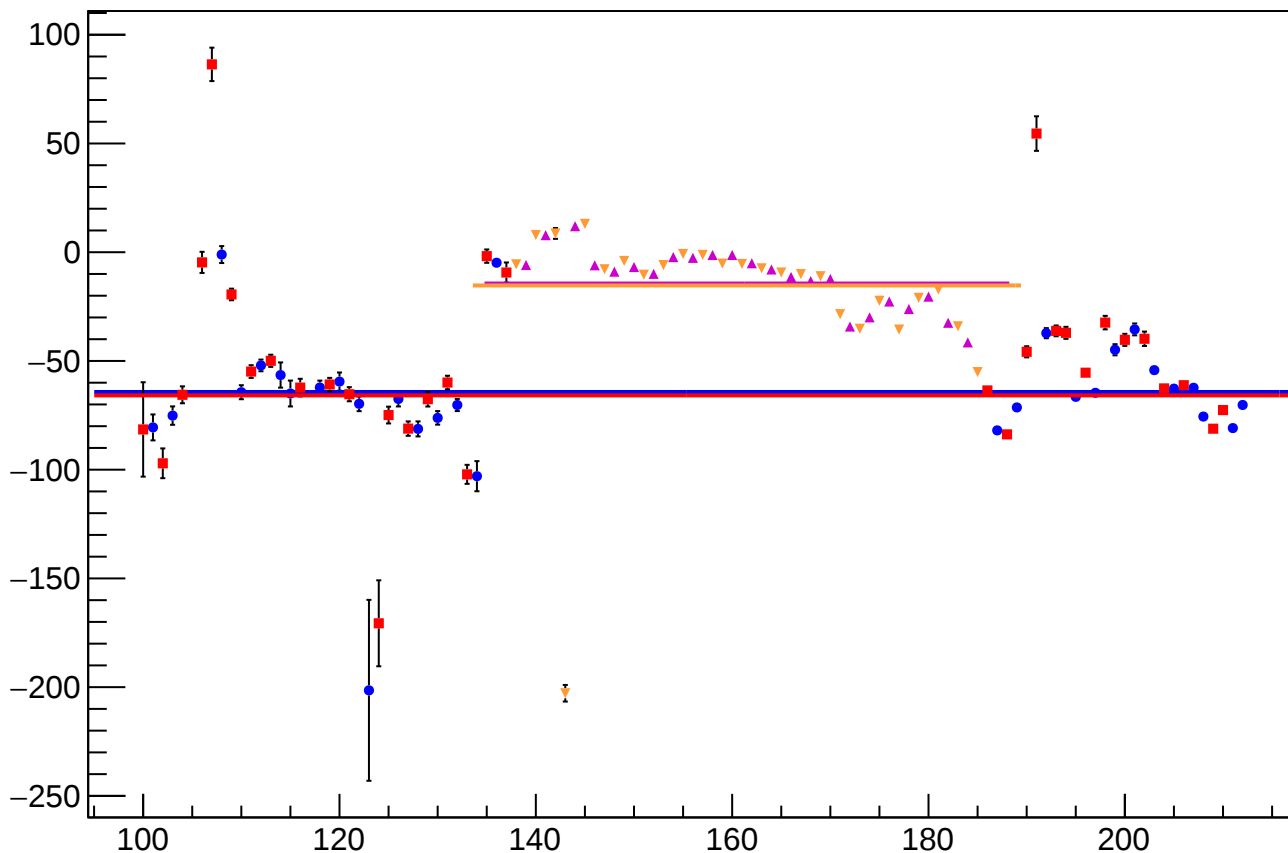
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.132 ± 0.186 χ^2/NDF : 910.7/54

All: 1.331 ± 0.132 χ^2/NDF : 1750.8/110

- sign 1.530 ± 0.186 χ^2/NDF : 837.8/55

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -64.279 ± 0.437 $\chi^2/\text{NDF}: 1863.7/29$

Left Out: -15.279 ± 0.267 $\chi^2/\text{NDF}: 4820.1/24$

Right Out: -65.828 ± 0.352 $\chi^2/\text{NDF}: 3396.5/32$

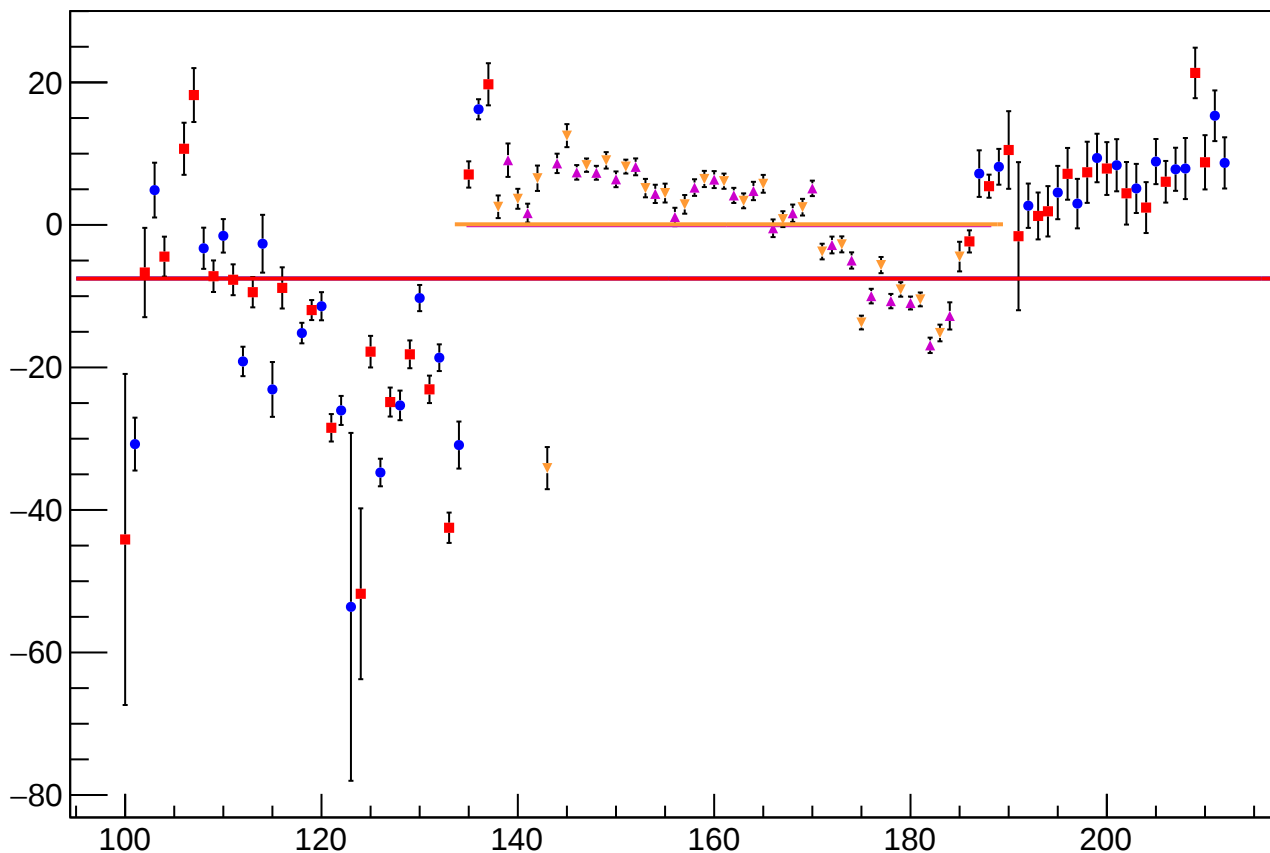
Left In: -14.406 ± 0.269 $\chi^2/\text{NDF}: 2032.4/22$

+ sign -28.567 ± 0.228 $\chi^2/\text{NDF}: 15831.4/54$

All: -31.117 ± 0.156 $\chi^2/\text{NDF}: 34957.6/110$

- sign -33.364 ± 0.214 $\chi^2/\text{NDF}: 18890.4/55$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -7.515 ± 0.465 χ^2/NDF : 1142.4/29

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -7.531 ± 0.445 χ^2/NDF : 1092.4/32

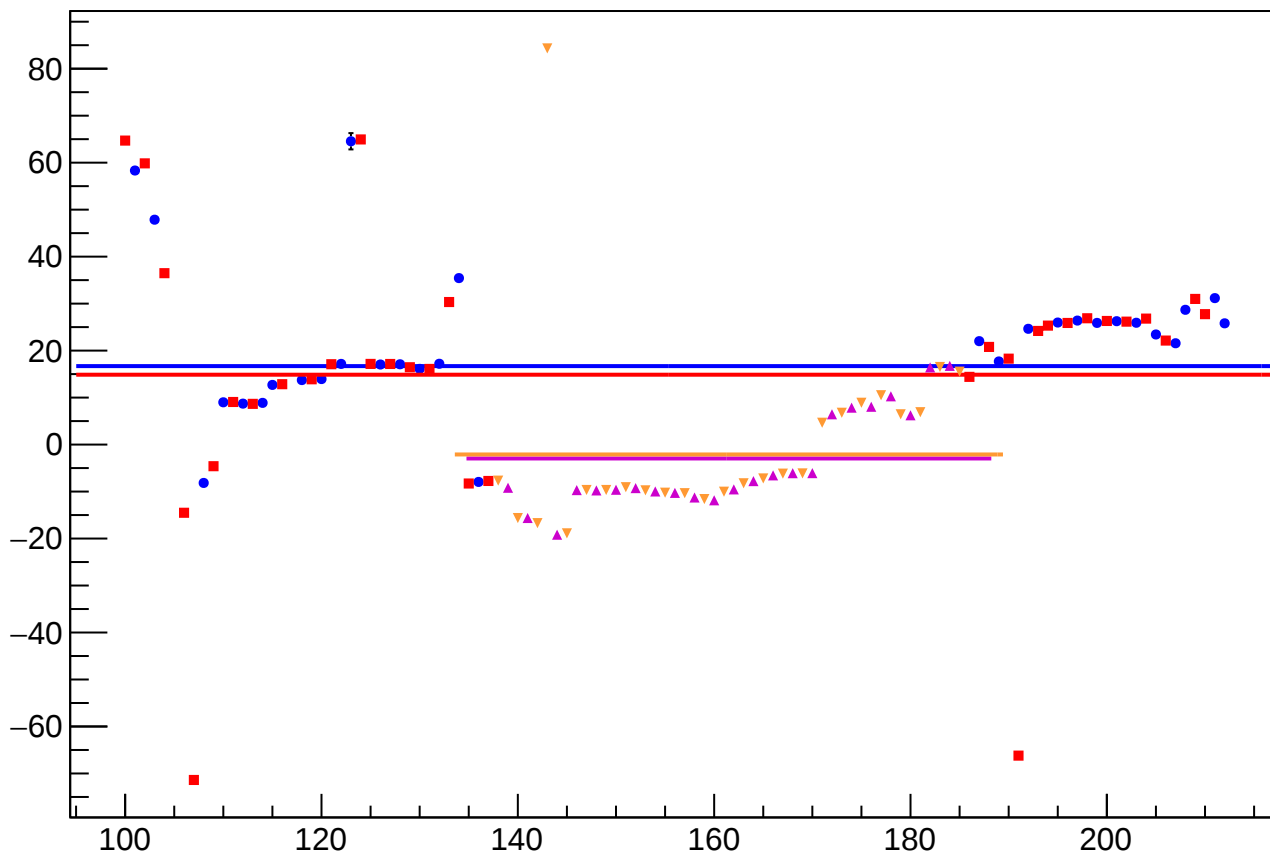
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.496 ± 0.212 χ^2/NDF : 2526.7/54

All: -1.630 ± 0.150 χ^2/NDF : 4866.4/110

- sign -1.766 ± 0.213 χ^2/NDF : 2338.8/55

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 16.701+/-0.023 χ^2/NDF : 486136.0/29

Left Out: -2.105+/-0.011 χ^2/NDF : 1093120.2/24

Right Out: 14.870+/-0.023 χ^2/NDF : 763434.0/32

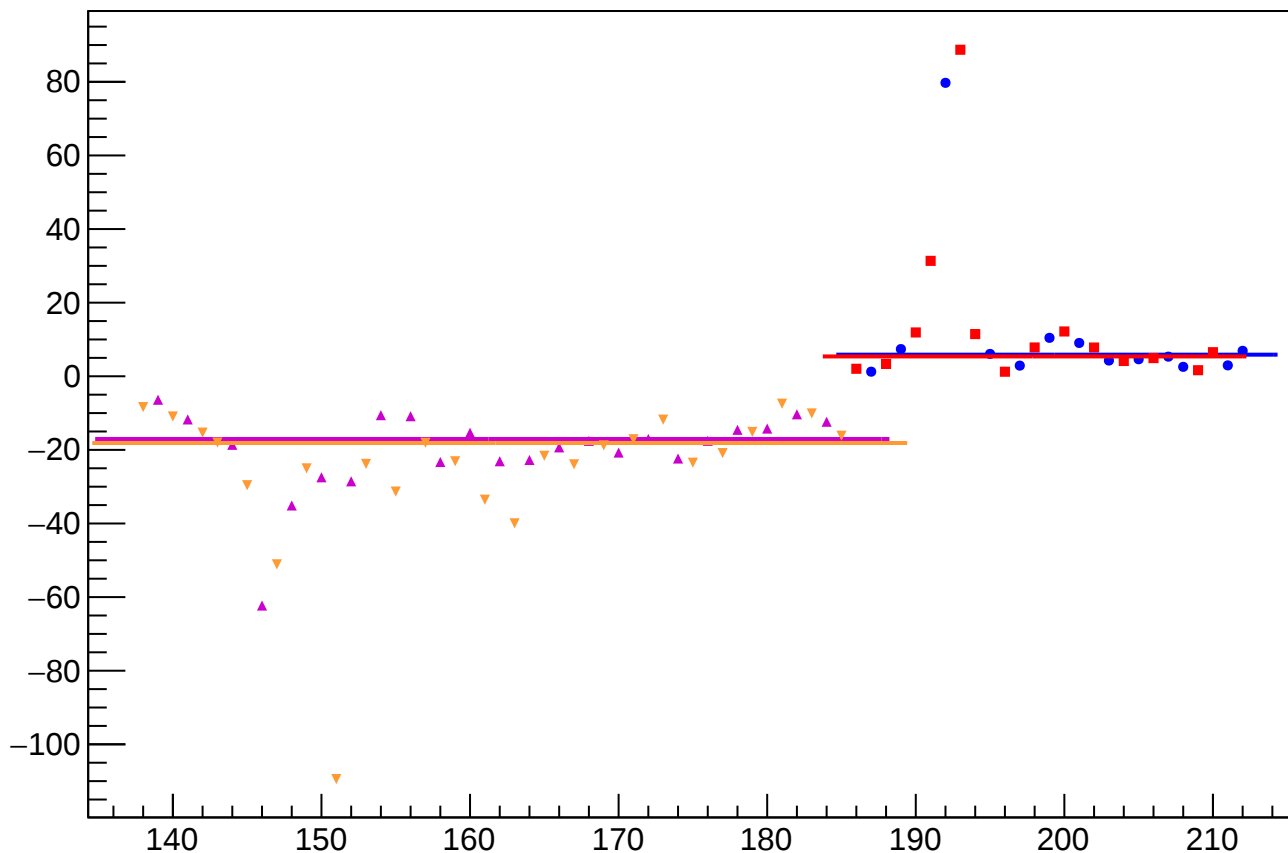
Left In: -2.959+/-0.011 χ^2/NDF : 763000.9/22

+ sign 1.361+/-0.010 χ^2/NDF : 2125699.0/54

All: 0.912+/-0.007 χ^2/NDF : 4159957.4/110

- sign 0.460+/-0.010 χ^2/NDF : 2030098.4/55

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 5.871+/-0.053 χ^2/NDF : 26285.3/12

Left Out: -18.128+/-0.039 χ^2/NDF : 88551.6/24

Right Out: 5.388+/-0.052 χ^2/NDF : 26820.0/13

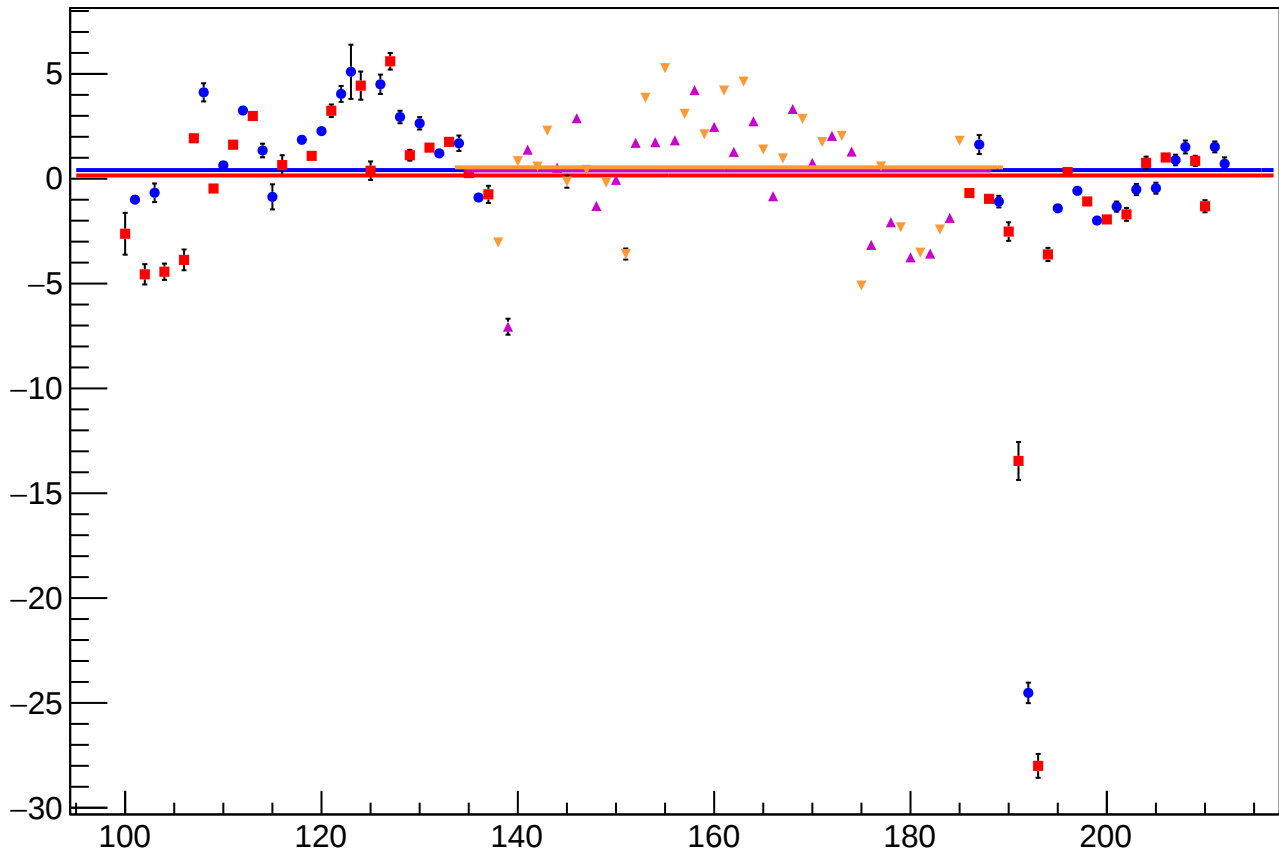
Left In: -17.038+/-0.038 χ^2/NDF : 44141.1/22

+ sign -9.636+/-0.031 χ^2/NDF : 249421.4/37

All: -9.396+/-0.022 χ^2/NDF : 441807.5/74

- sign -9.164+/-0.031 χ^2/NDF : 192270.3/36

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.414 ± 0.047 $\chi^2/\text{NDF}: 3860.4/29$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.157 ± 0.045 $\chi^2/\text{NDF}: 4298.6/32$

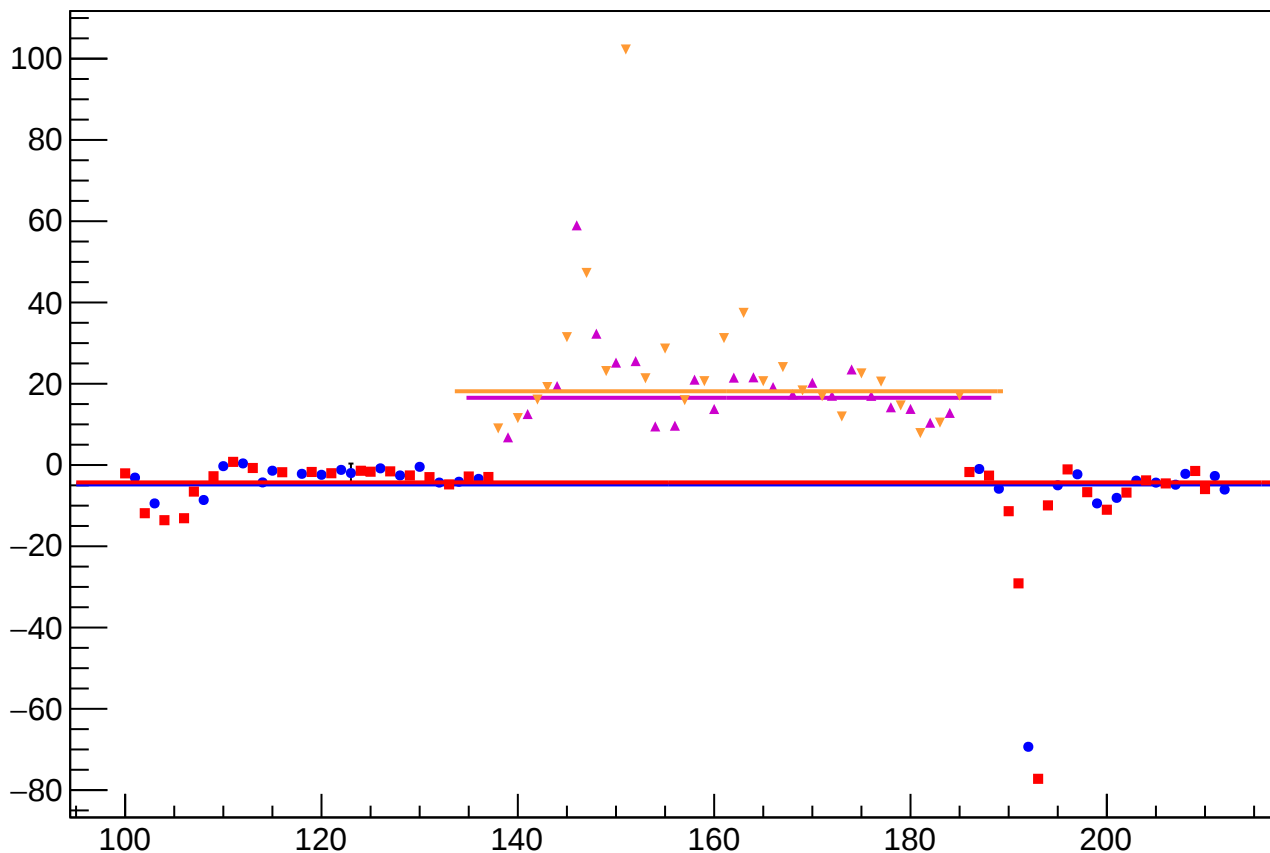
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.501 ± 0.027 $\chi^2/\text{NDF}: 10950.9/54$

All: 0.406 ± 0.018 $\chi^2/\text{NDF}: 21529.1/110$

- sign 0.320 ± 0.025 $\chi^2/\text{NDF}: 10553.9/55$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -4.783 ± 0.045 $\chi^2/\text{NDF}: 27241.3/29$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.277 ± 0.042 $\chi^2/\text{NDF}: 28231.1/32$

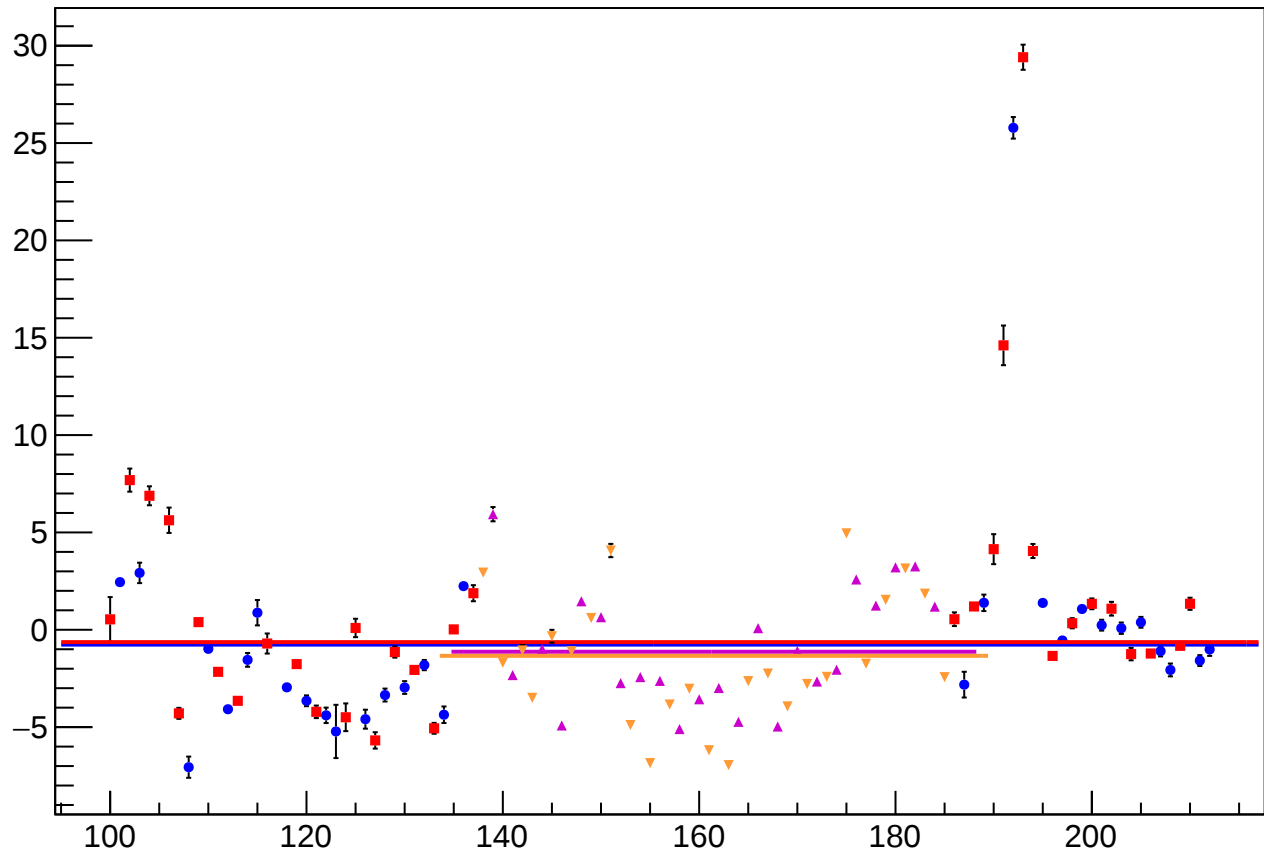
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 8.260 ± 0.029 $\chi^2/\text{NDF}: 253483.6/54$

All: 7.726 ± 0.020 $\chi^2/\text{NDF}: 459031.2/110$

- sign 7.241 ± 0.028 $\chi^2/\text{NDF}: 204921.6/55$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.761 ± 0.054 χ^2/NDF : 3941.6/29

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.634 ± 0.052 χ^2/NDF : 4516.4/32

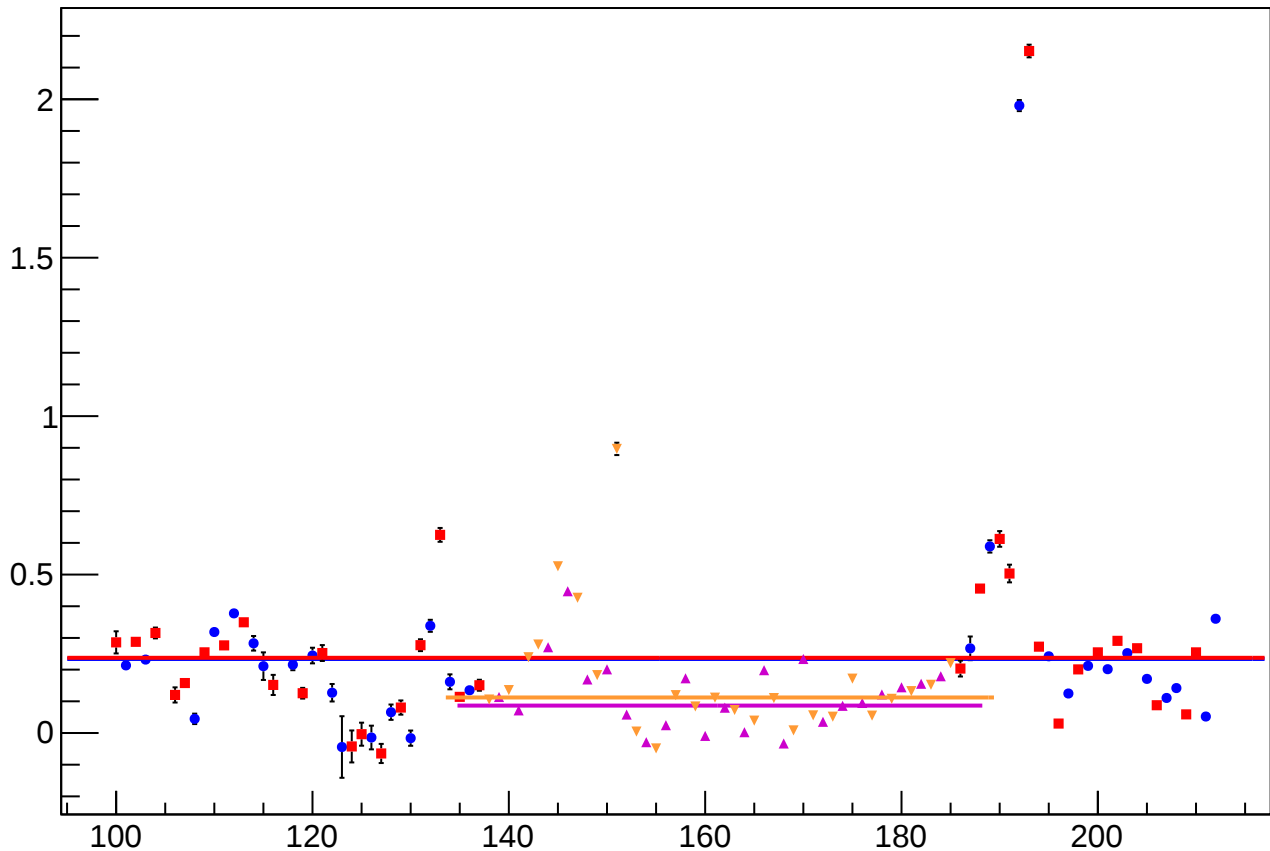
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.161 ± 0.030 χ^2/NDF : 11963.9/54

All: -1.066 ± 0.021 χ^2/NDF : 23303.6/110

- sign -0.979 ± 0.028 χ^2/NDF : 11320.4/55

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.234 $\pm$ 0.002 χ^2 /NDF: 11698.1/29

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF: 4503.9/24

Right Out: 0.237 $\pm$ 0.002 χ^2 /NDF: 12110.2/32

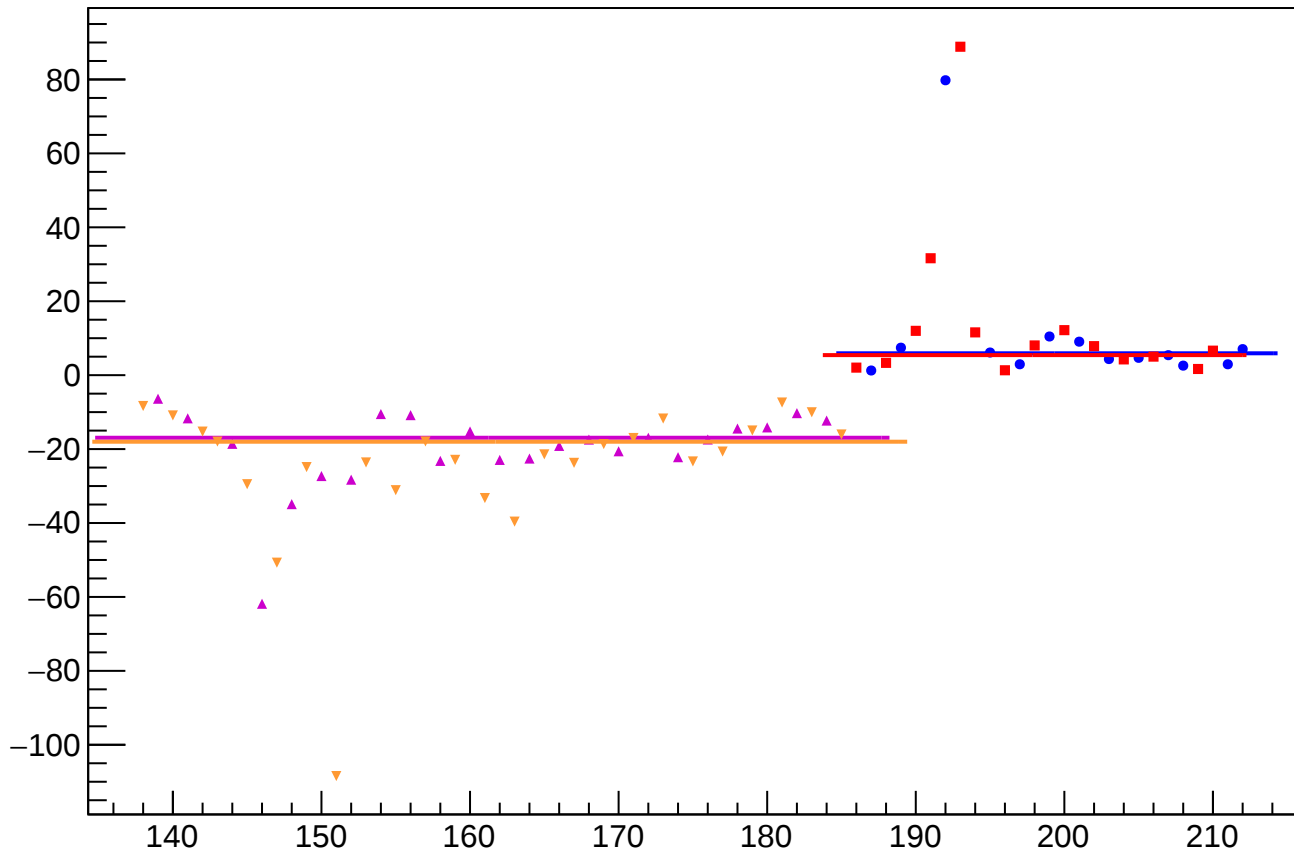
Left In: 0.087 $\pm$ 0.002 χ^2 /NDF: 3655.4/22

+ sign 0.150 $\pm$ 0.001 χ^2 /NDF: 17991.0/54

All: 0.140 $\pm$ 0.001 χ^2 /NDF: 36814.3/110

- sign 0.131 $\pm$ 0.001 χ^2 /NDF: 18711.7/55

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 5.916 ± 0.052 χ^2/NDF : 26501.8/12

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 5.426 ± 0.052 χ^2/NDF : 27178.4/13

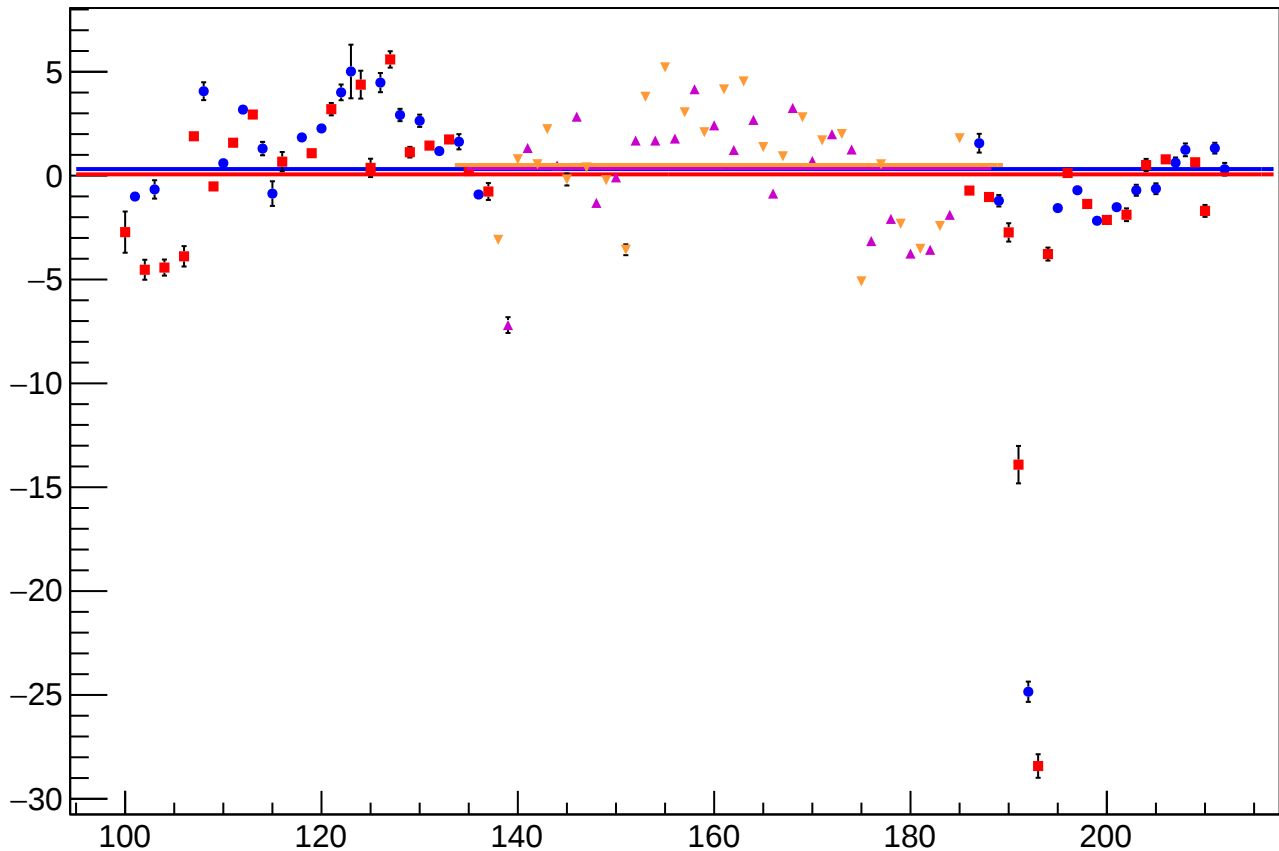
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -9.572 ± 0.031 χ^2/NDF : 250000.6/37

All: -9.323 ± 0.022 χ^2/NDF : 443561.0/74

- sign -9.083 ± 0.031 χ^2/NDF : 193434.6/36

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.317 $\pm$ 0.047 χ^2 /NDF: 3985.2/29

Left Out: 0.511 $\pm$ 0.032 χ^2 /NDF: 7070.4/24

Right Out: 0.061 $\pm$ 0.044 χ^2 /NDF: 4467.3/32

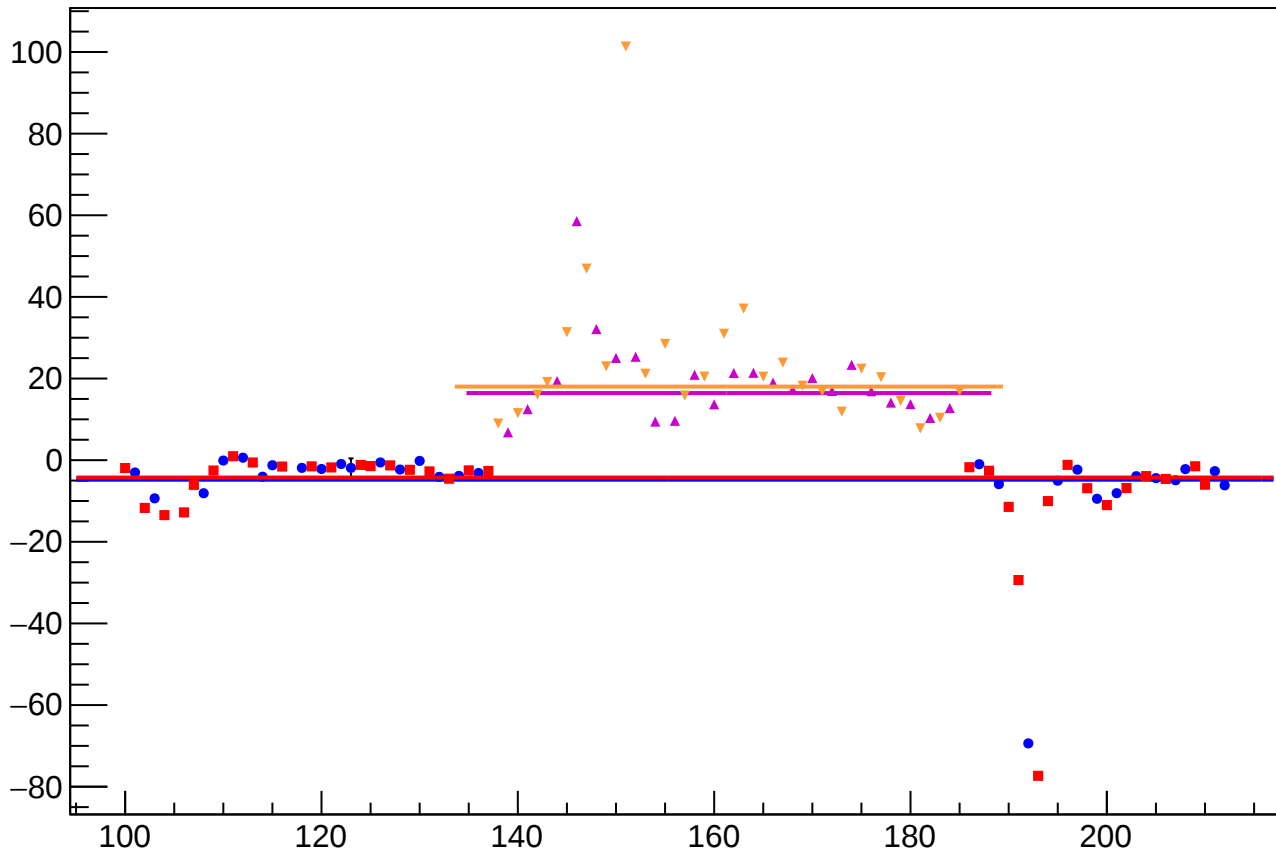
Left In: 0.360 $\pm$ 0.031 χ^2 /NDF: 6221.1/22

+ sign 0.449 $\pm$ 0.026 χ^2 /NDF: 11067.4/54

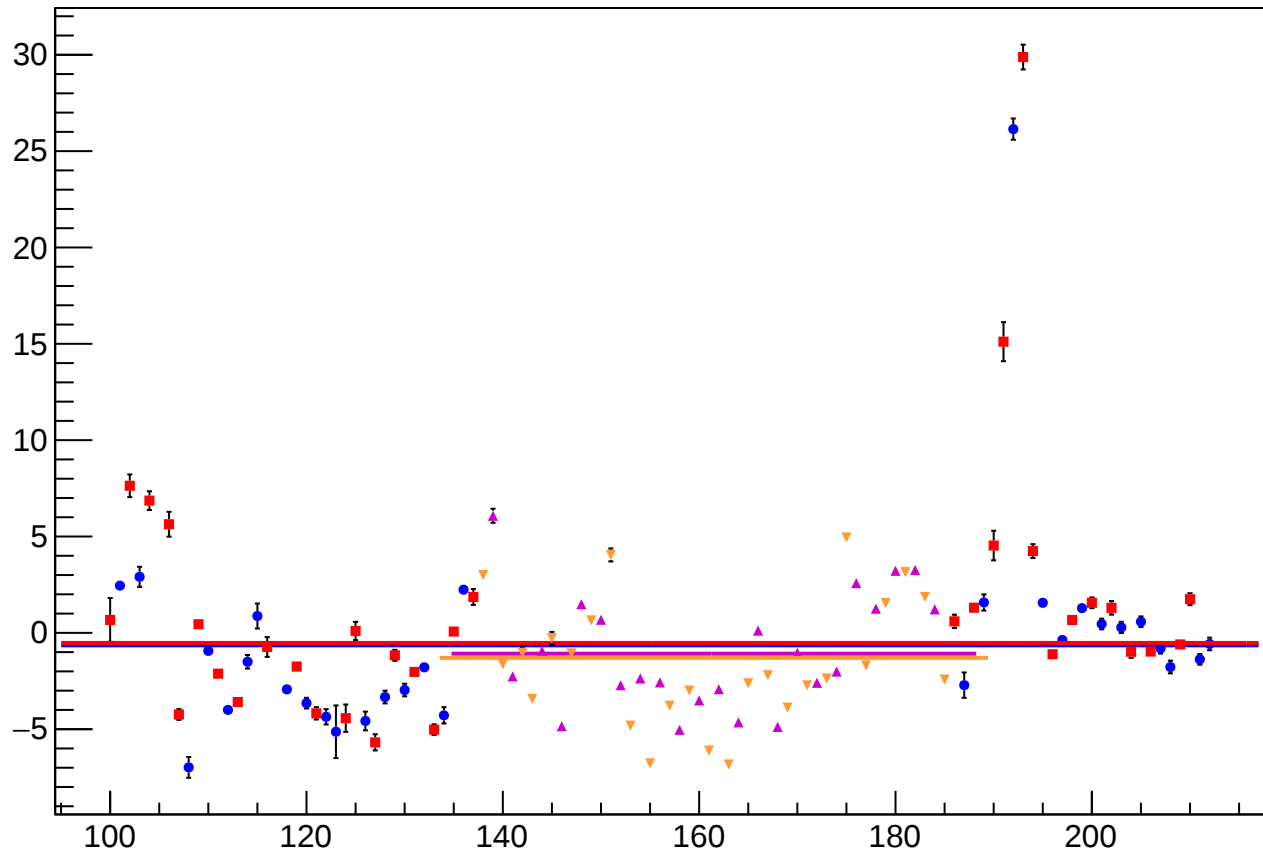
All: 0.352 $\pm$ 0.018 χ^2 /NDF: 21812.0/110

- sign 0.264 $\pm$ 0.025 χ^2 /NDF: 10719.0/55

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.647 ± 0.054 $\chi^2/\text{NDF}: 4044.7/29$

Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7925.1/24$

Right Out: -0.523 ± 0.051 $\chi^2/\text{NDF}: 4680.2/32$

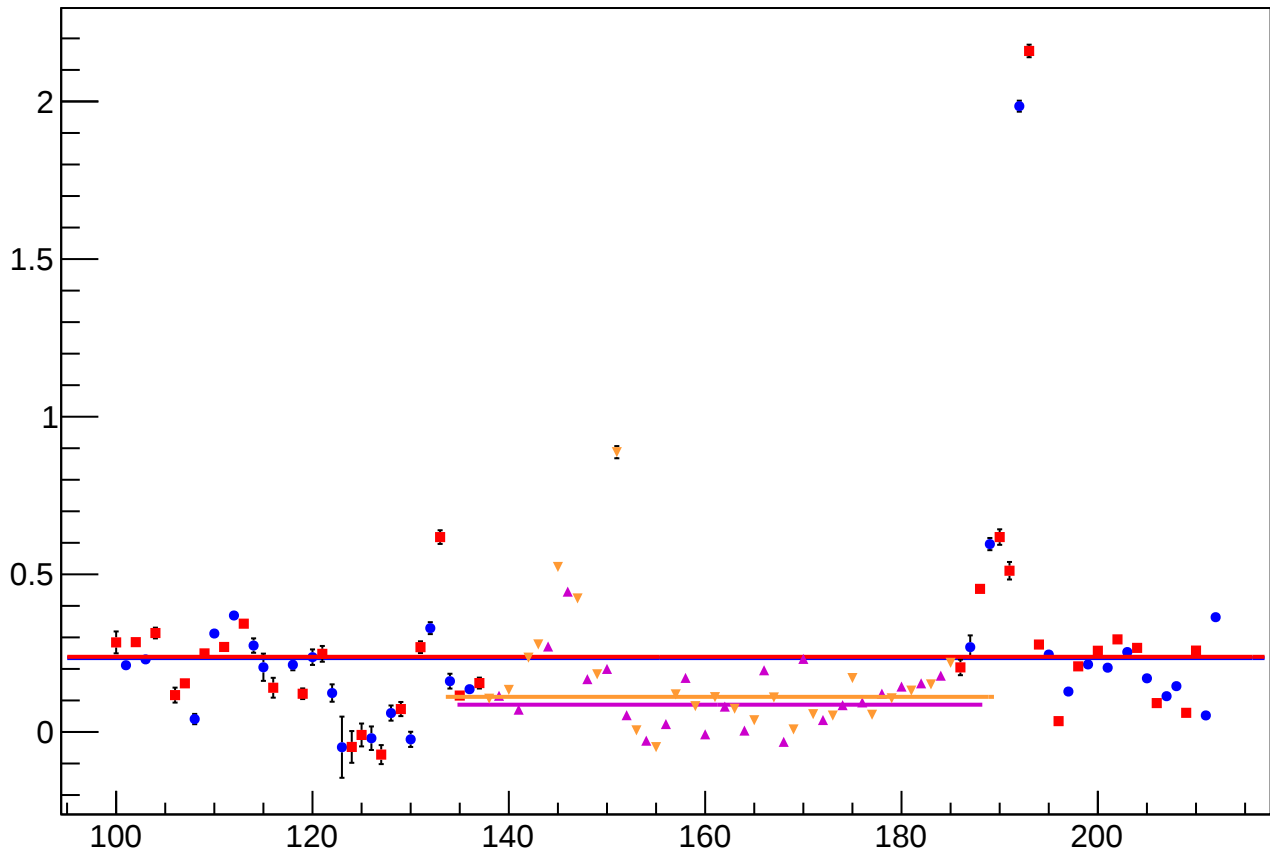
Left In: -1.082 ± 0.034 $\chi^2/\text{NDF}: 6724.1/22$

+ sign -1.098 ± 0.030 $\chi^2/\text{NDF}: 12071.5/54$

All: -1.001 ± 0.020 $\chi^2/\text{NDF}: 23578.6/110$

- sign -0.913 ± 0.028 $\chi^2/\text{NDF}: 11486.6/55$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.234 $\pm$ 0.002 χ^2 /NDF: 11824.2/29

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF: 4496.0/24

Right Out: 0.238 $\pm$ 0.002 χ^2 /NDF: 12237.8/32

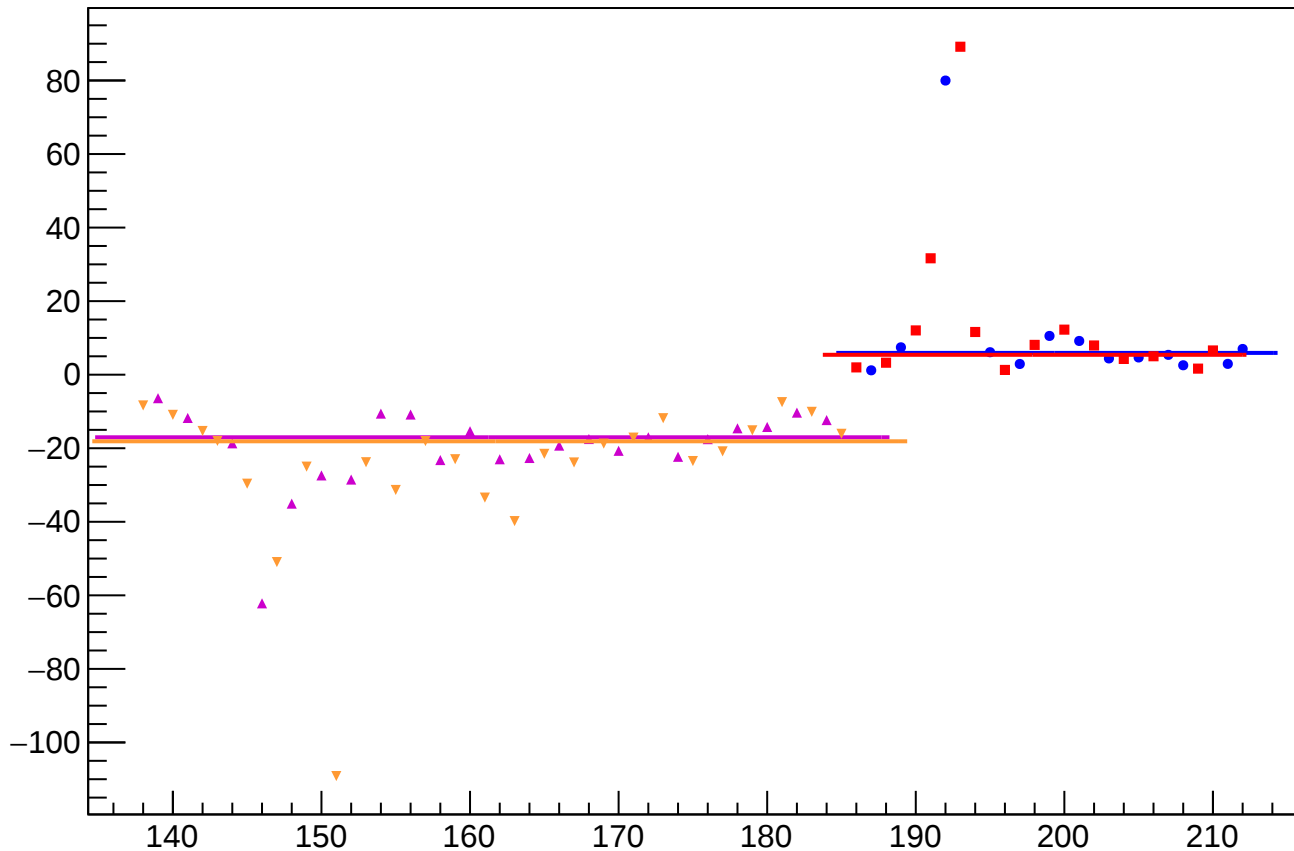
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3625.5/22

+ sign 0.150 $\pm$ 0.001 χ^2 /NDF: 18170.0/54

All: 0.140 $\pm$ 0.001 χ^2 /NDF: 37161.1/110

- sign 0.131 $\pm$ 0.001 χ^2 /NDF: 18885.2/55

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 5.924 ± 0.053 χ^2/NDF : 26490.4/12

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 5.408 ± 0.052 χ^2/NDF : 27194.3/13

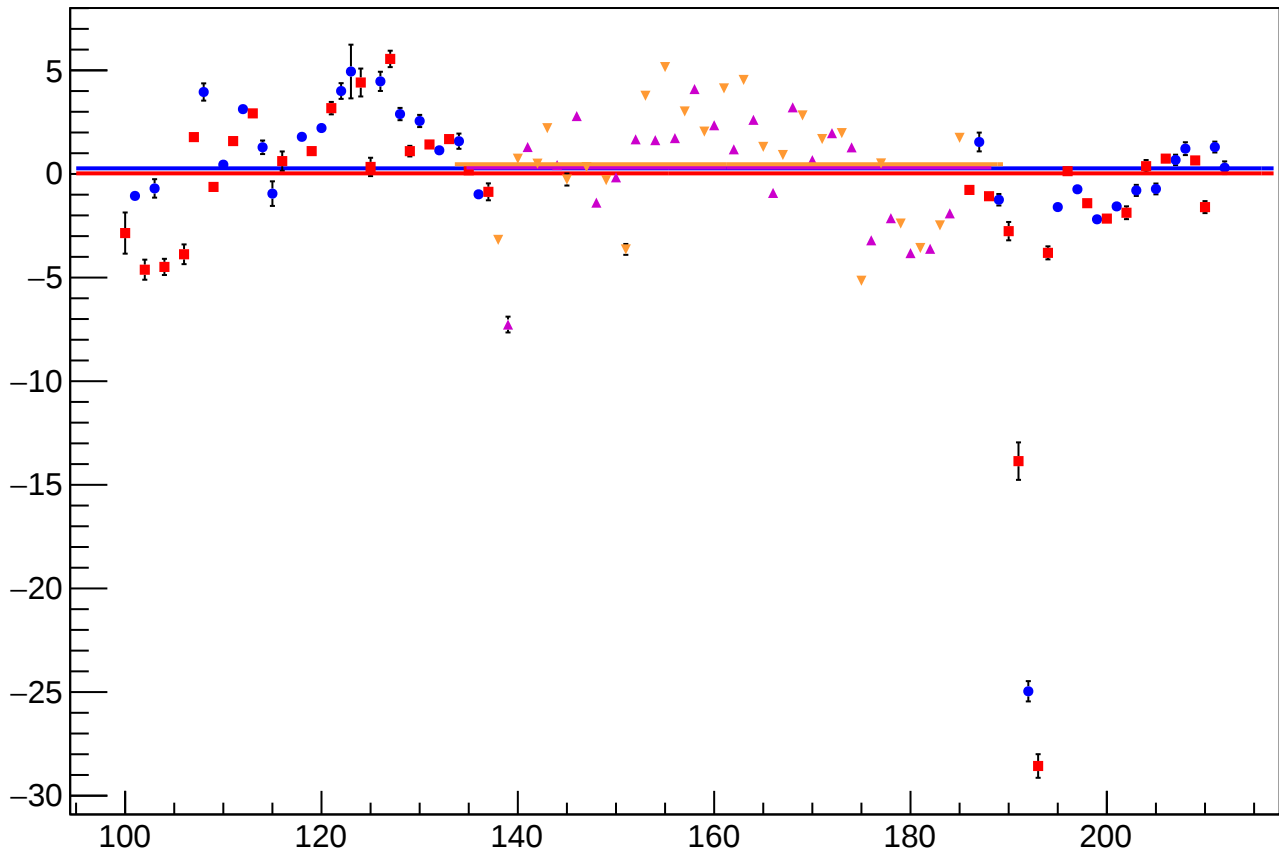
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -9.666 ± 0.031 χ^2/NDF : 249841.5/37

All: -9.405 ± 0.022 χ^2/NDF : 443249.9/74

- sign -9.154 ± 0.031 χ^2/NDF : 193271.7/36

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.270 ± 0.047 χ^2/NDF : 3973.7/29

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.028 ± 0.045 χ^2/NDF : 4454.5/32

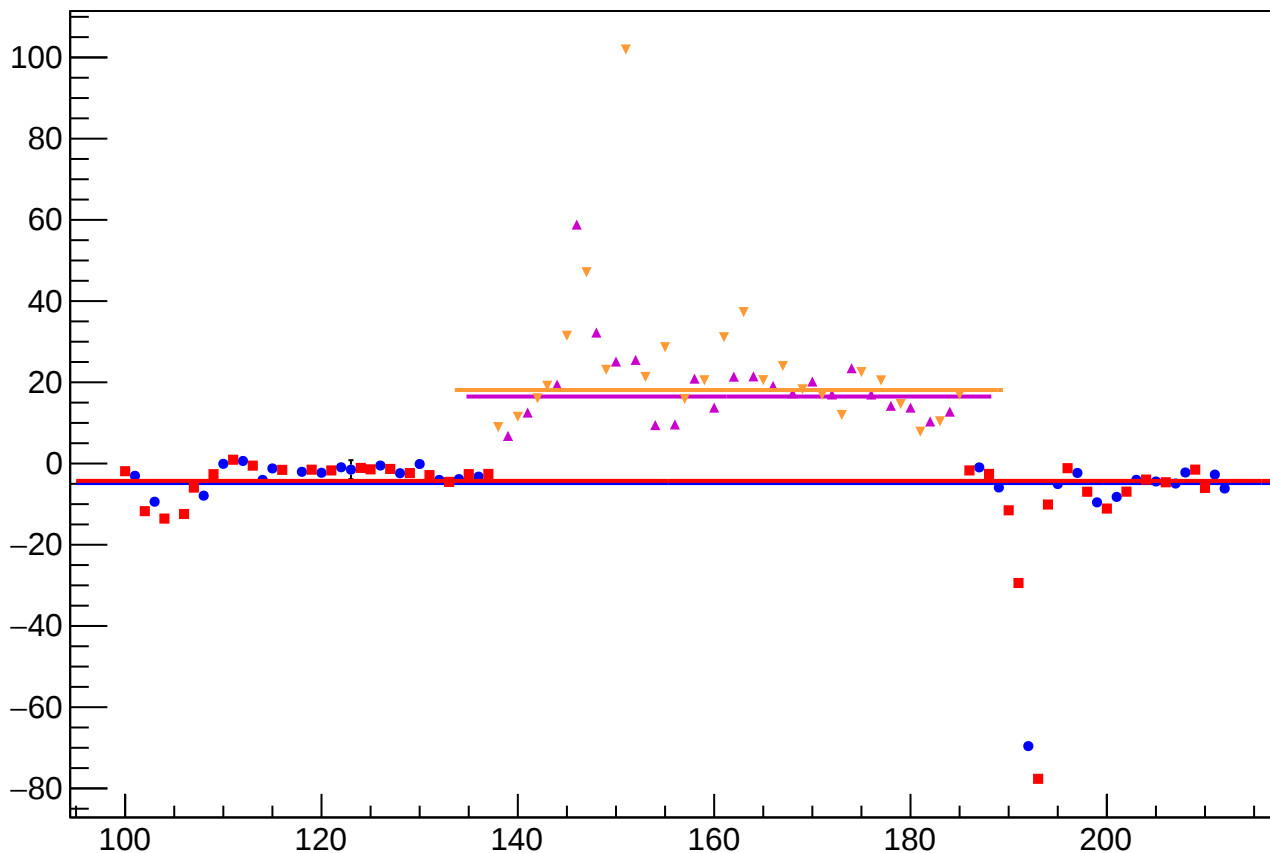
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.405 ± 0.027 χ^2/NDF : 11078.9/54

All: 0.308 ± 0.018 χ^2/NDF : 21769.3/110

- sign 0.220 ± 0.025 χ^2/NDF : 10664.9/55

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -4.812 ± 0.045 $\chi^2/\text{NDF}: 27555.9/29$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.272 ± 0.042 $\chi^2/\text{NDF}: 28705.0/32$

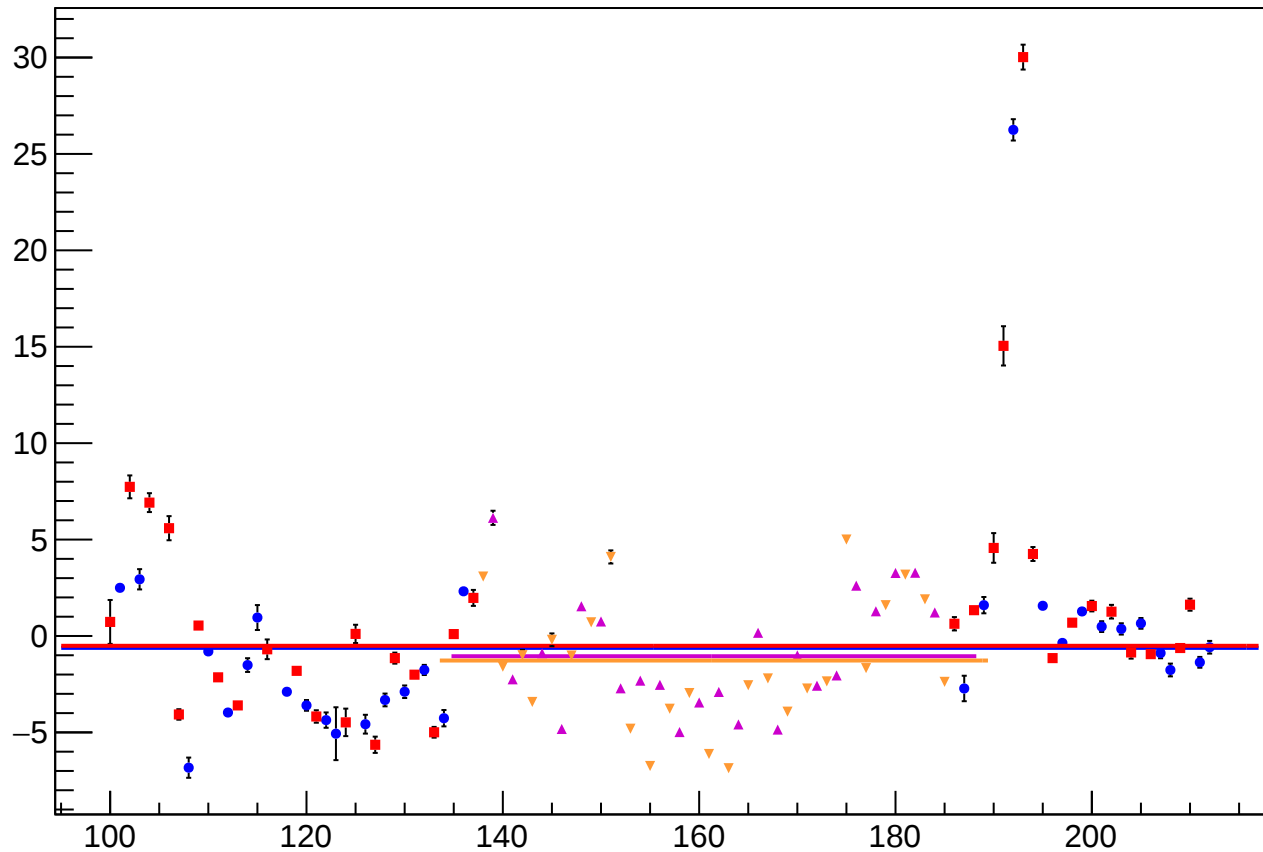
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 8.275 ± 0.029 $\chi^2/\text{NDF}: 253506.0/54$

All: 7.720 ± 0.020 $\chi^2/\text{NDF}: 459657.3/110$

- sign 7.218 ± 0.028 $\chi^2/\text{NDF}: 205474.8/55$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.616 ± 0.054 χ^2/NDF : 4037.1/29

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.509 ± 0.052 χ^2/NDF : 4669.5/32

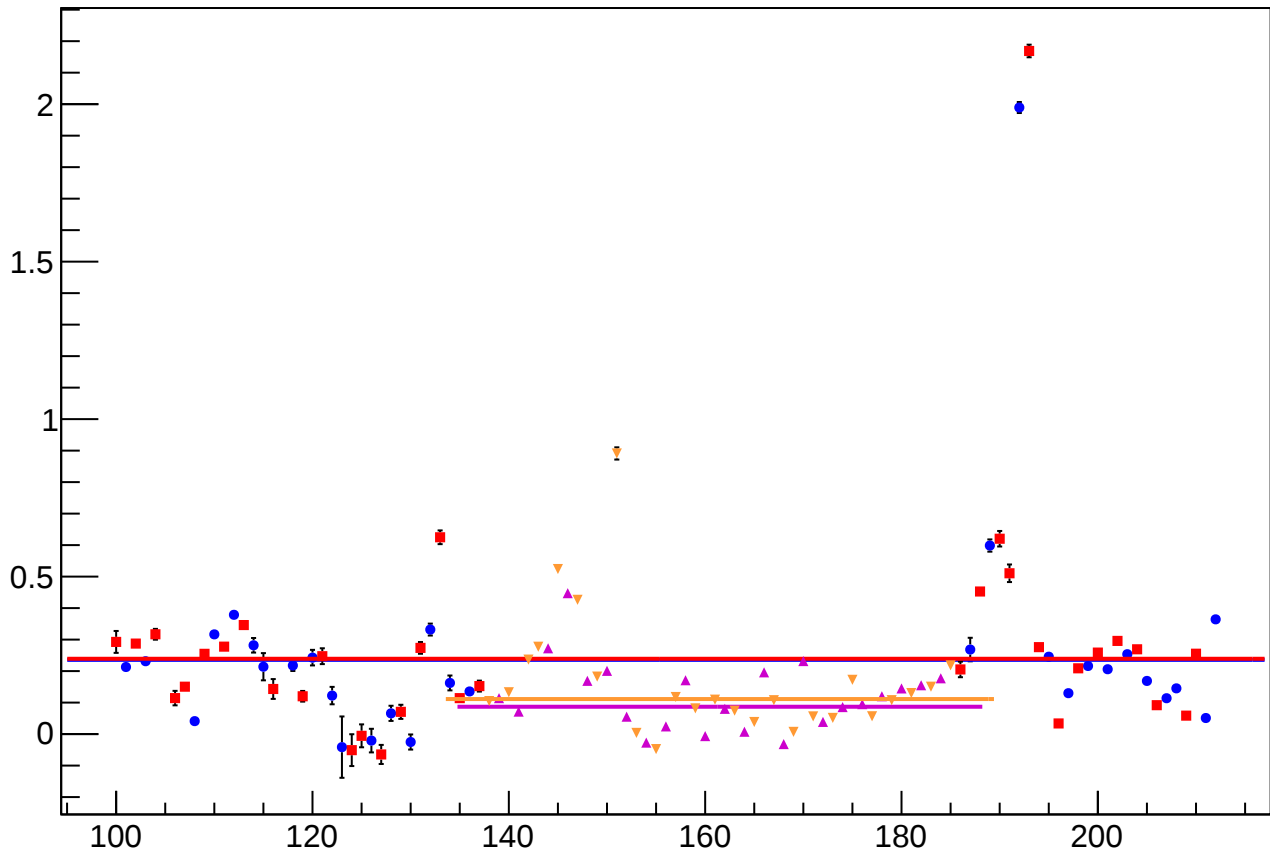
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.072 ± 0.030 χ^2/NDF : 12091.6/54

All: -0.975 ± 0.021 χ^2/NDF : 23531.2/110

- sign -0.887 ± 0.028 χ^2/NDF : 11419.4/55

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.236 $\pm$ 0.002 χ^2 /NDF: 11819.8/29

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF: 4474.5/24

Right Out: 0.239 $\pm$ 0.002 χ^2 /NDF: 12256.3/32

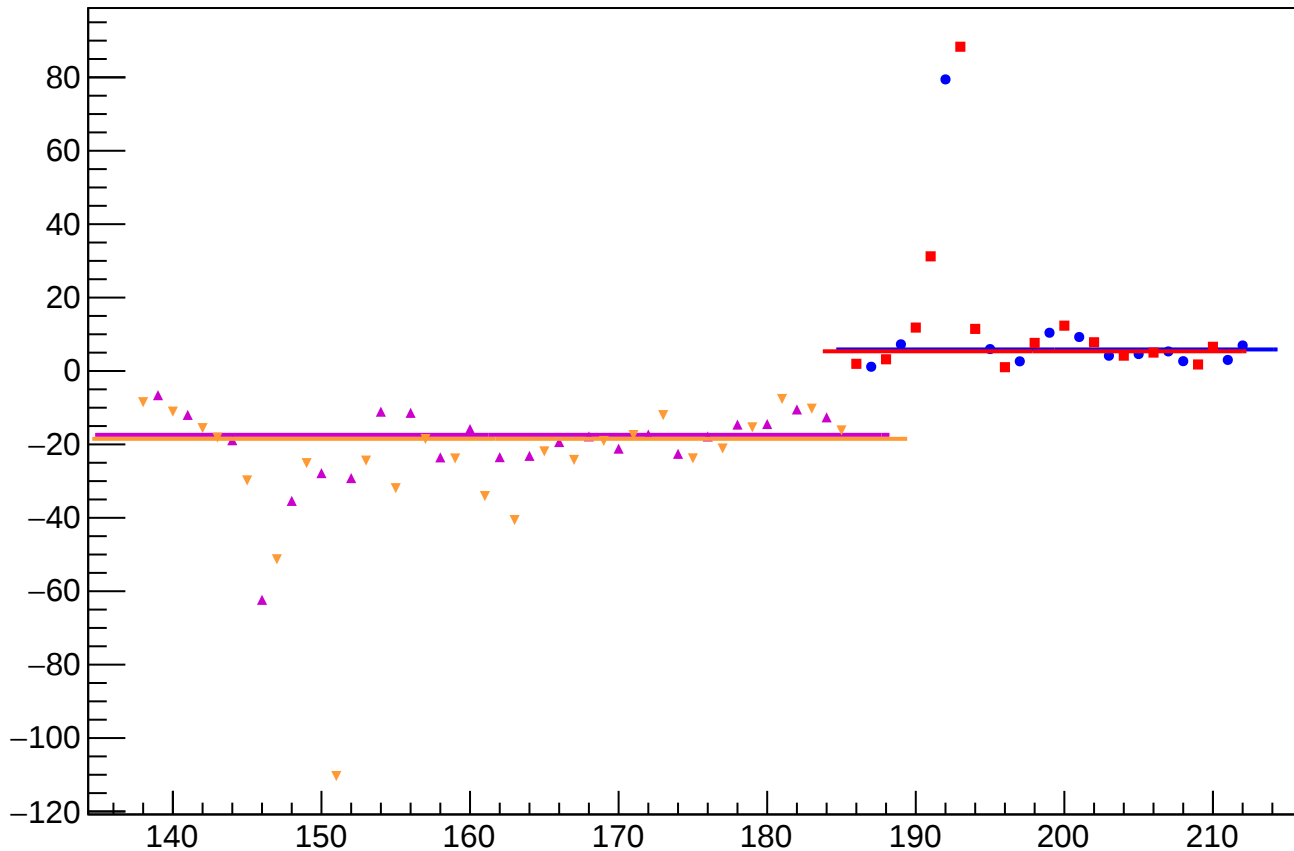
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3598.5/22

+ sign 0.150 $\pm$ 0.001 χ^2 /NDF: 18169.4/54

All: 0.140 $\pm$ 0.001 χ^2 /NDF: 37139.0/110

- sign 0.131 $\pm$ 0.001 χ^2 /NDF: 18866.8/55

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 5.869 ± 0.053 χ^2/NDF : 26016.4/12

Left Out: -18.479 ± 0.040 χ^2/NDF : 87883.4/24

Right Out: 5.365 ± 0.052 χ^2/NDF : 26608.3/13

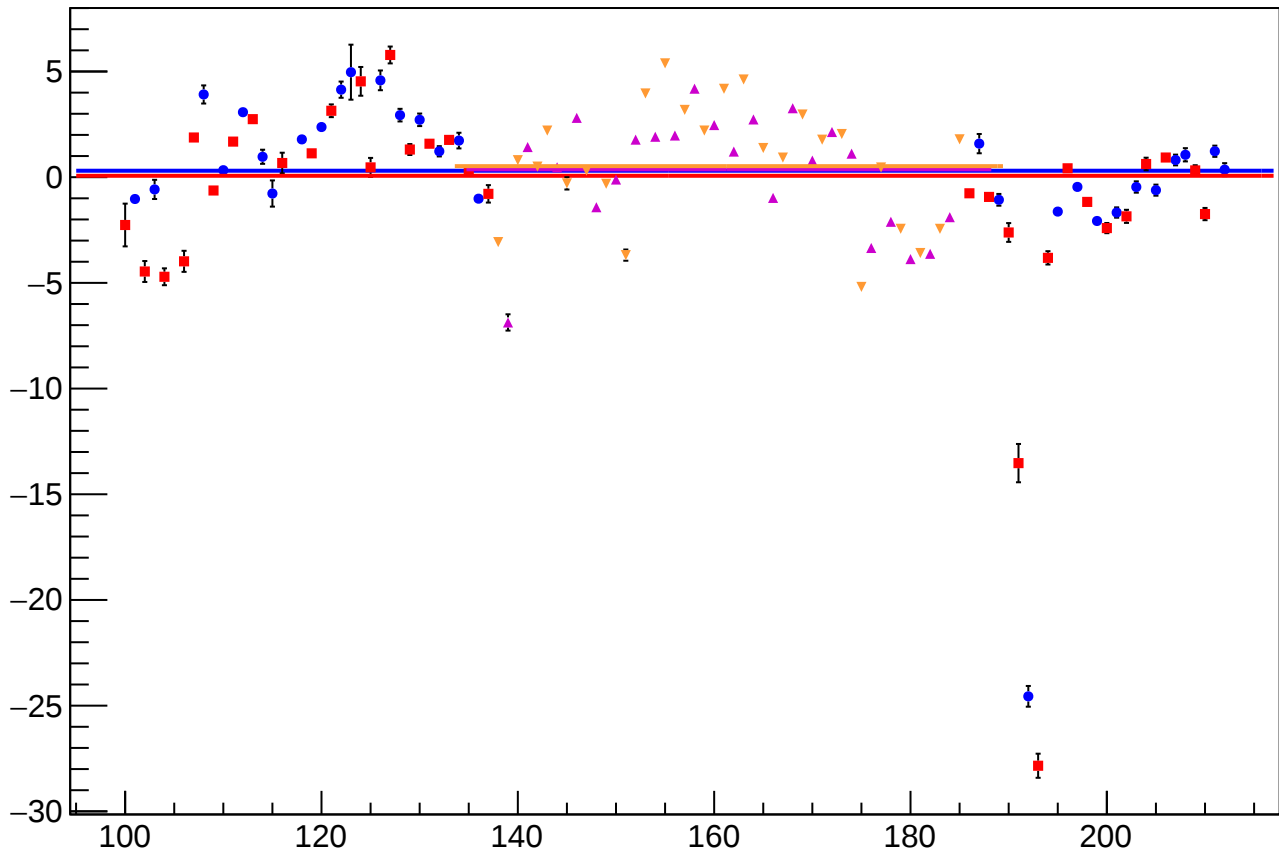
Left In: -17.393 ± 0.039 χ^2/NDF : 43178.9/22

+ sign -9.738 ± 0.032 χ^2/NDF : 248925.1/37

All: -9.469 ± 0.022 χ^2/NDF : 441559.1/74

- sign -9.209 ± 0.031 χ^2/NDF : 192492.6/36

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.305 ± 0.048 $\chi^2/\text{NDF}: 3835.8/29$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.067 ± 0.045 $\chi^2/\text{NDF}: 4300.6/32$

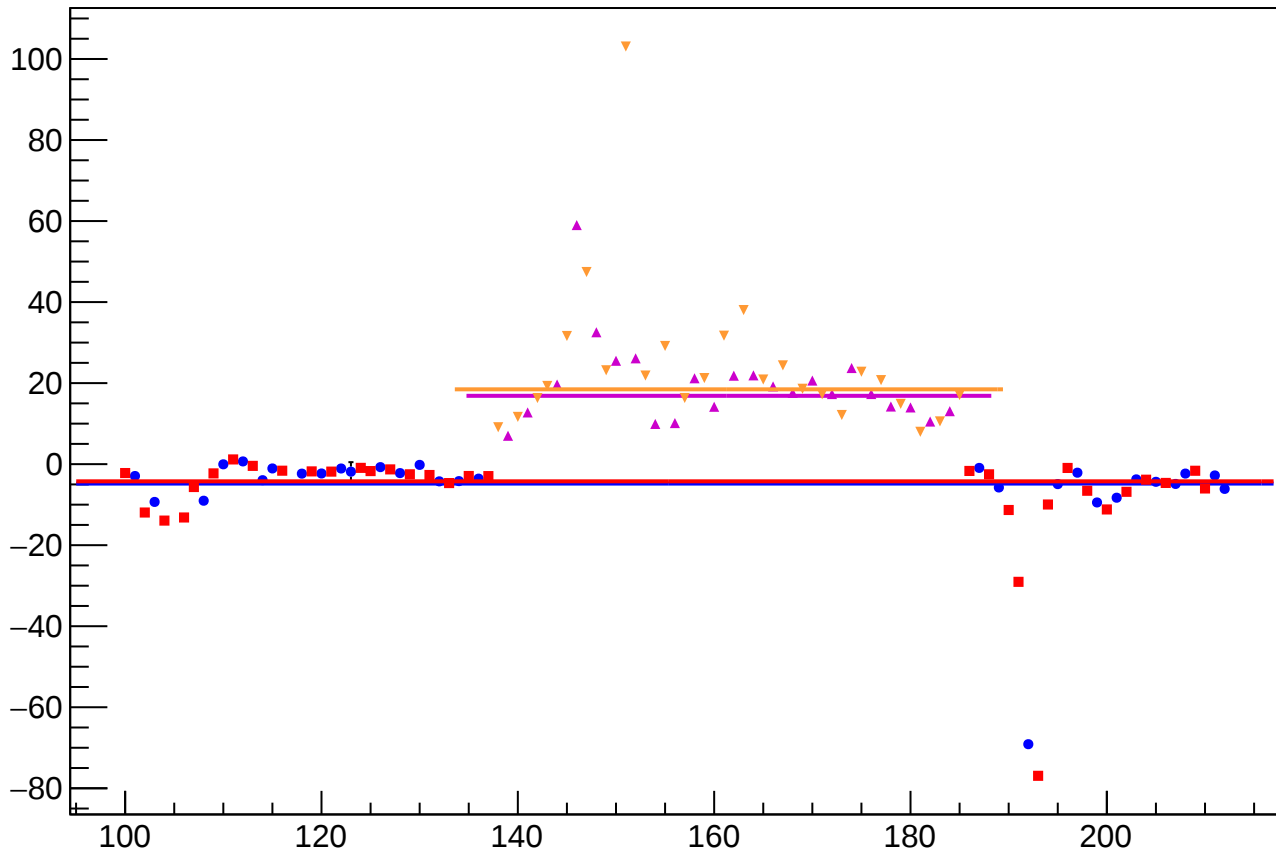
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.451 ± 0.027 $\chi^2/\text{NDF}: 10904.8/54$

All: 0.357 ± 0.019 $\chi^2/\text{NDF}: 21476.4/110$

- sign 0.272 ± 0.026 $\chi^2/\text{NDF}: 10548.7/55$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -4.792+/-0.045 χ^2/NDF : 27045.7/29

Left Out: 18.467+/-0.040 χ^2/NDF : 77226.7/24

Right Out: -4.238+/-0.042 χ^2/NDF : 28148.6/32

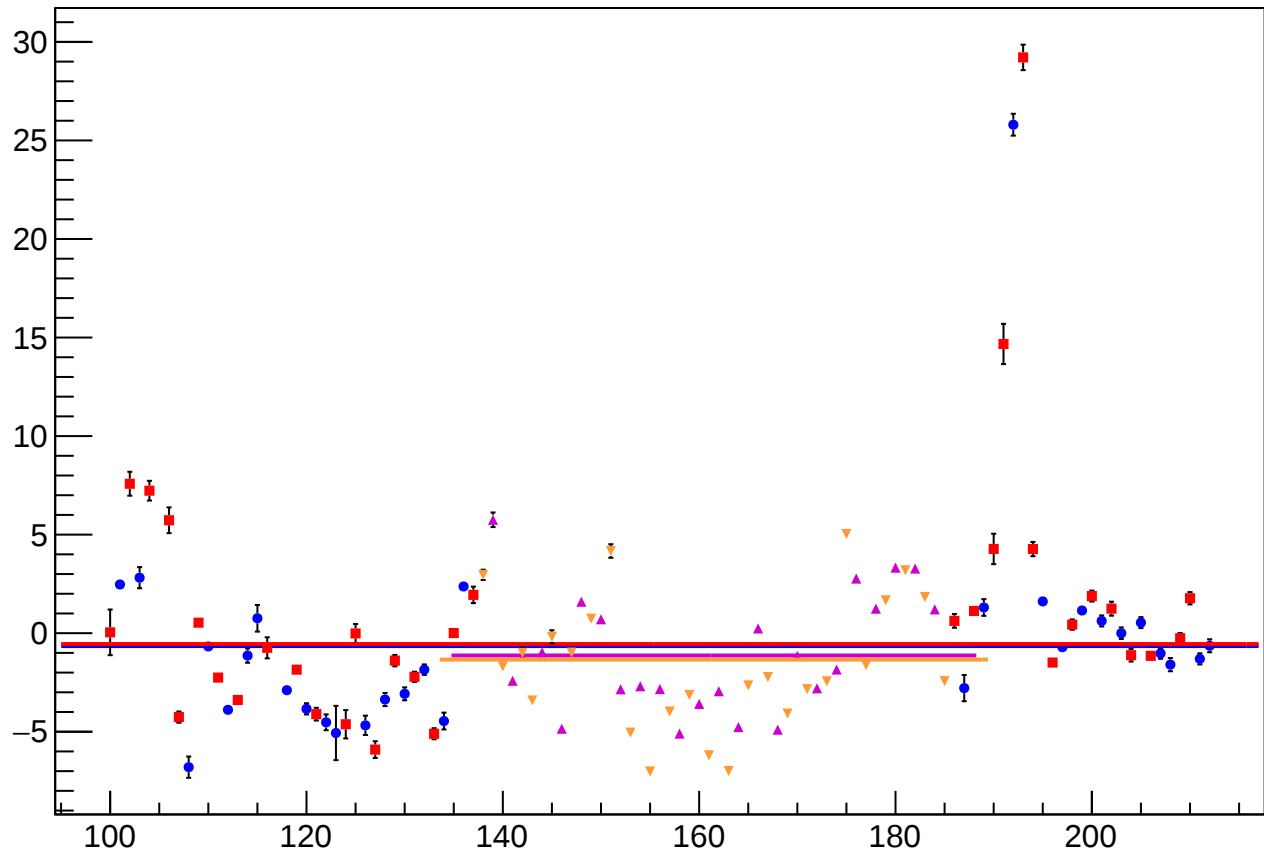
Left In: 16.867+/-0.039 χ^2/NDF : 39779.0/22

+ sign 8.325+/-0.030 χ^2/NDF : 252561.6/54

All: 7.768+/-0.021 χ^2/NDF : 457413.0/110

- sign 7.264+/-0.028 χ^2/NDF : 204192.4/55

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.654 ± 0.055 χ^2/NDF : 3915.5/29

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.552 ± 0.052 χ^2/NDF : 4527.5/32

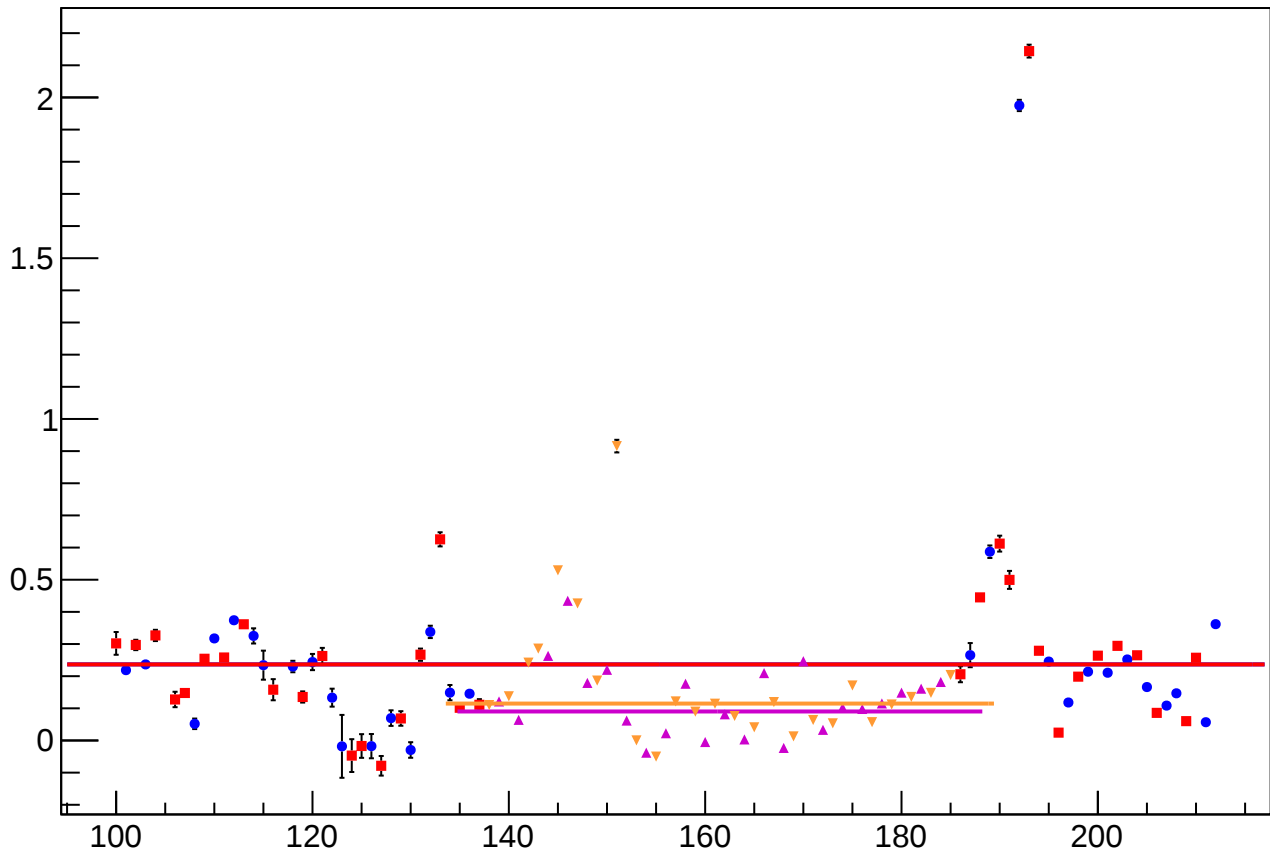
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.128 ± 0.030 χ^2/NDF : 11931.7/54

All: -1.037 ± 0.021 χ^2/NDF : 23269.6/110

- sign -0.954 ± 0.029 χ^2/NDF : 11320.8/55

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.237+/-0.002 χ^2/NDF : 11557.3/29

Left Out: 0.115+/-0.002 χ^2/NDF : 4431.9/24

Right Out: 0.237+/-0.002 χ^2/NDF : 12103.5/32

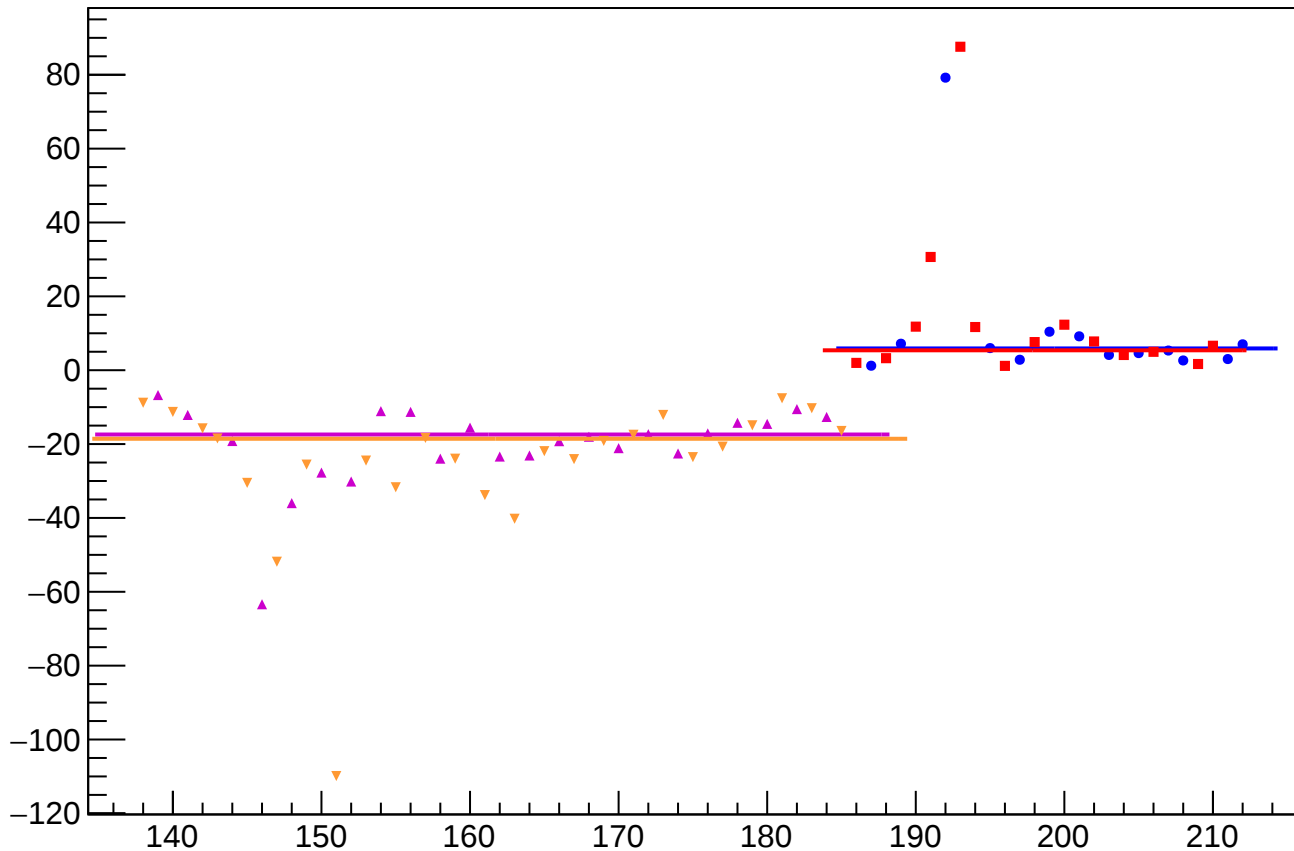
Left In: 0.090+/-0.002 χ^2/NDF : 3676.5/22

+ sign 0.153+/-0.001 χ^2/NDF : 17740.0/54

All: 0.143+/-0.001 χ^2/NDF : 36327.4/110

- sign 0.134+/-0.001 χ^2/NDF : 18478.9/55

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 5.896 ± 0.054 χ^2/NDF : 25529.1/12

Left Out: -18.566 ± 0.040 χ^2/NDF : 86389.6/24

Right Out: 5.390 ± 0.053 χ^2/NDF : 25986.7/13

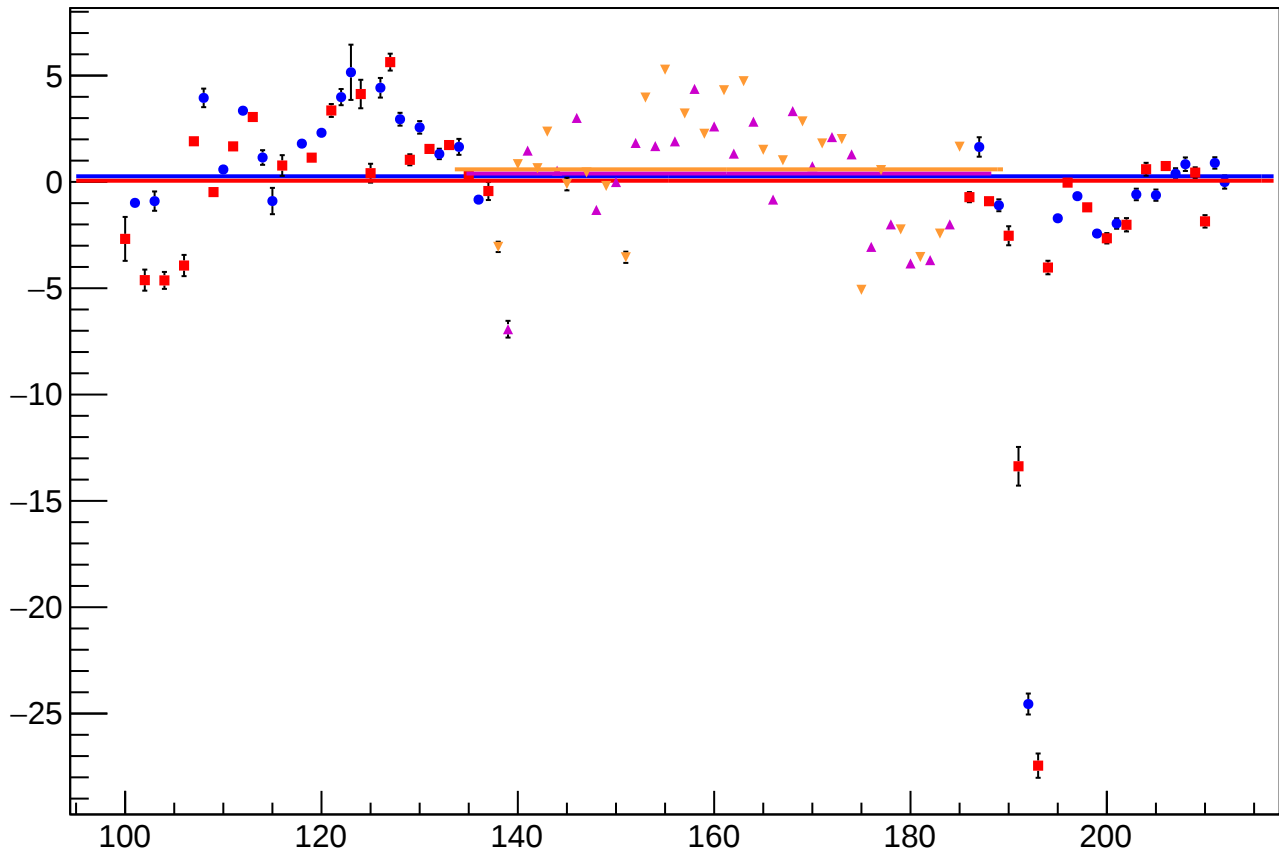
Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

+ sign -9.809 ± 0.032 χ^2/NDF : 245151.5/37

All: -9.528 ± 0.022 χ^2/NDF : 435217.6/74

- sign -9.257 ± 0.031 χ^2/NDF : 189915.4/36

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.263 $\pm$ 0.048 χ^2 /NDF: 3867.2/29

Left Out: 0.591 $\pm$ 0.033 χ^2 /NDF: 6796.5/24

Right Out: 0.055 $\pm$ 0.046 χ^2 /NDF: 4257.9/32

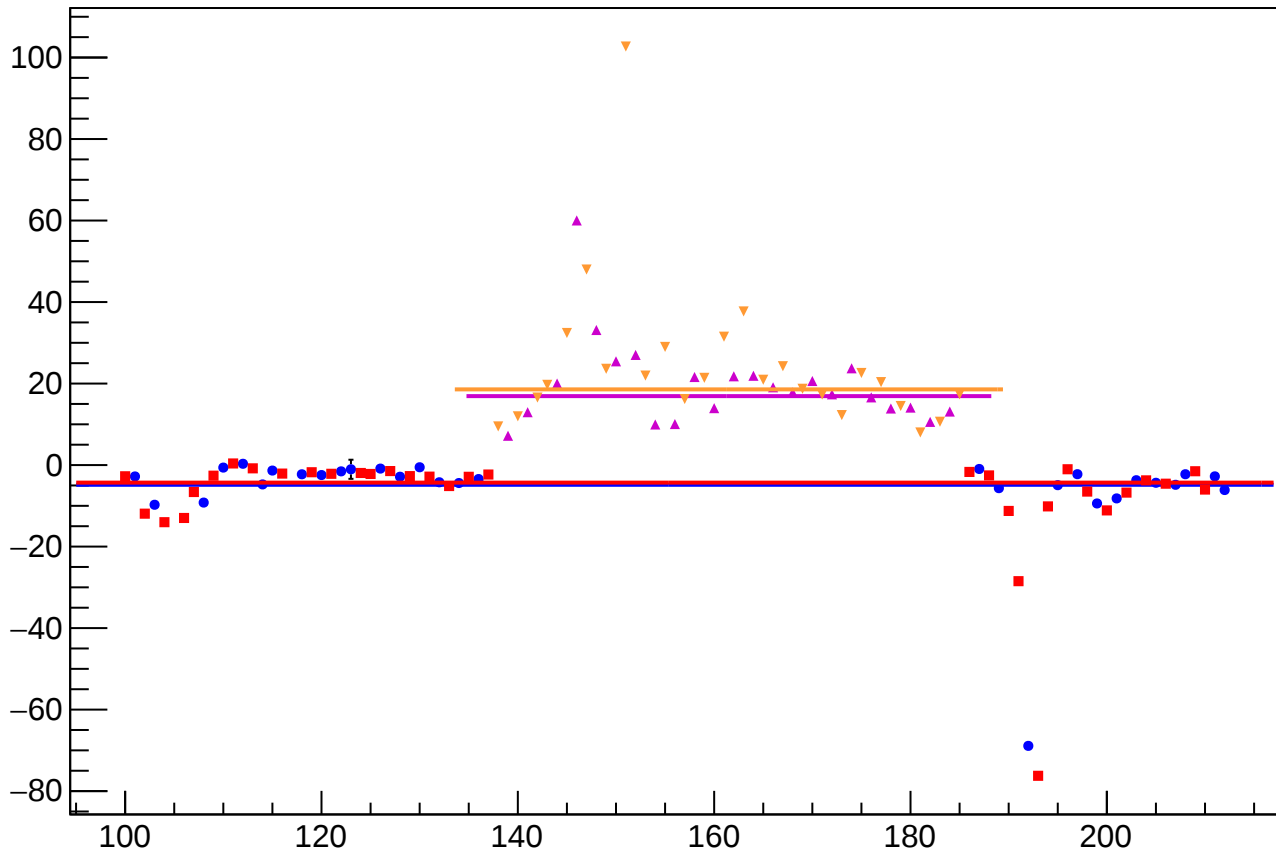
Left In: 0.394 $\pm$ 0.032 χ^2 /NDF: 6059.8/22

+ sign 0.484 $\pm$ 0.027 χ^2 /NDF: 10695.1/54

All: 0.380 $\pm$ 0.019 χ^2 /NDF: 21077.9/110

- sign 0.284 $\pm$ 0.026 χ^2 /NDF: 10354.8/55

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -4.834 ± 0.046 $\chi^2/\text{NDF}: 26382.7/29$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.305 ± 0.043 $\chi^2/\text{NDF}: 27290.0/32$

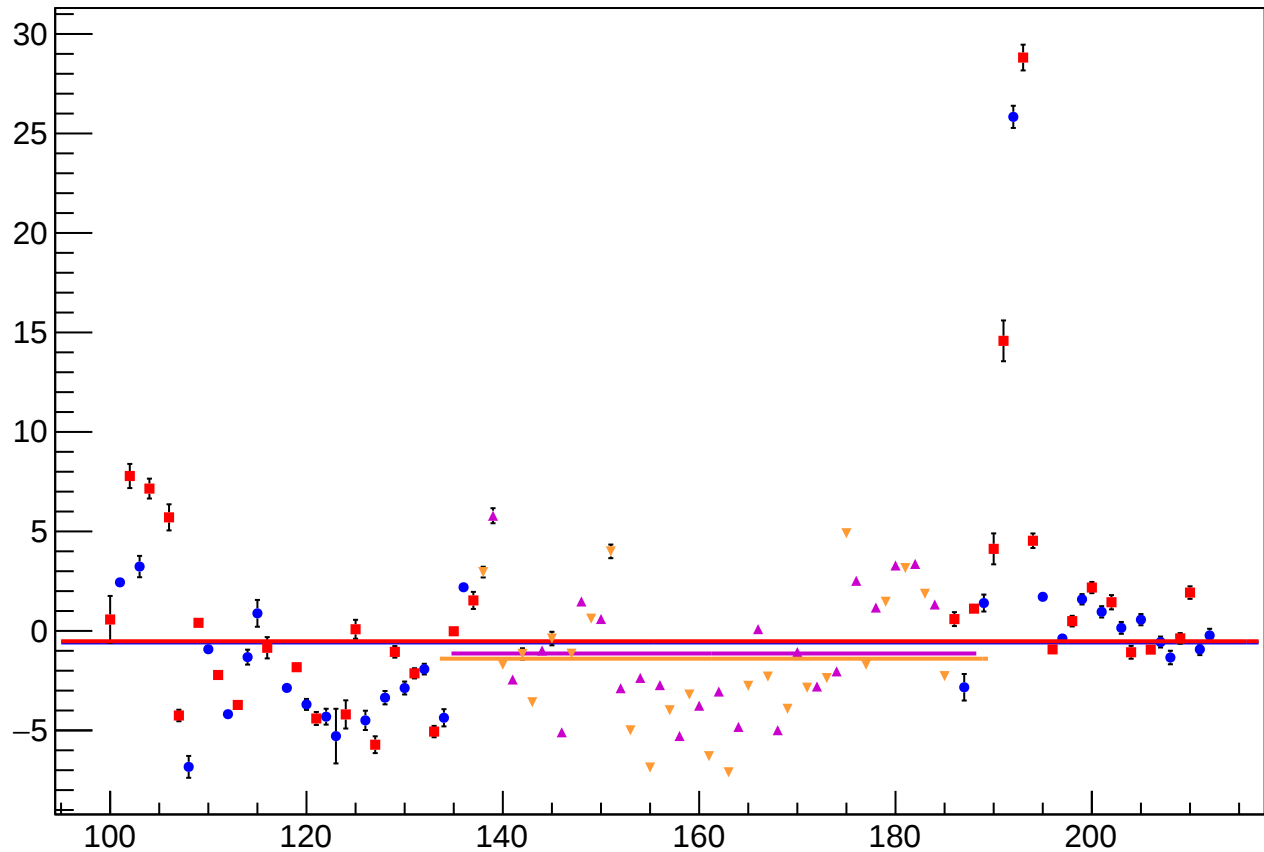
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 8.402 ± 0.030 $\chi^2/\text{NDF}: 249285.8/54$

All: 7.834 ± 0.021 $\chi^2/\text{NDF}: 451969.1/110$

- sign 7.321 ± 0.029 $\chi^2/\text{NDF}: 202013.3/55$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.581 ± 0.055 χ^2/NDF : 3906.4/29

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.520 ± 0.053 χ^2/NDF : 4469.8/32

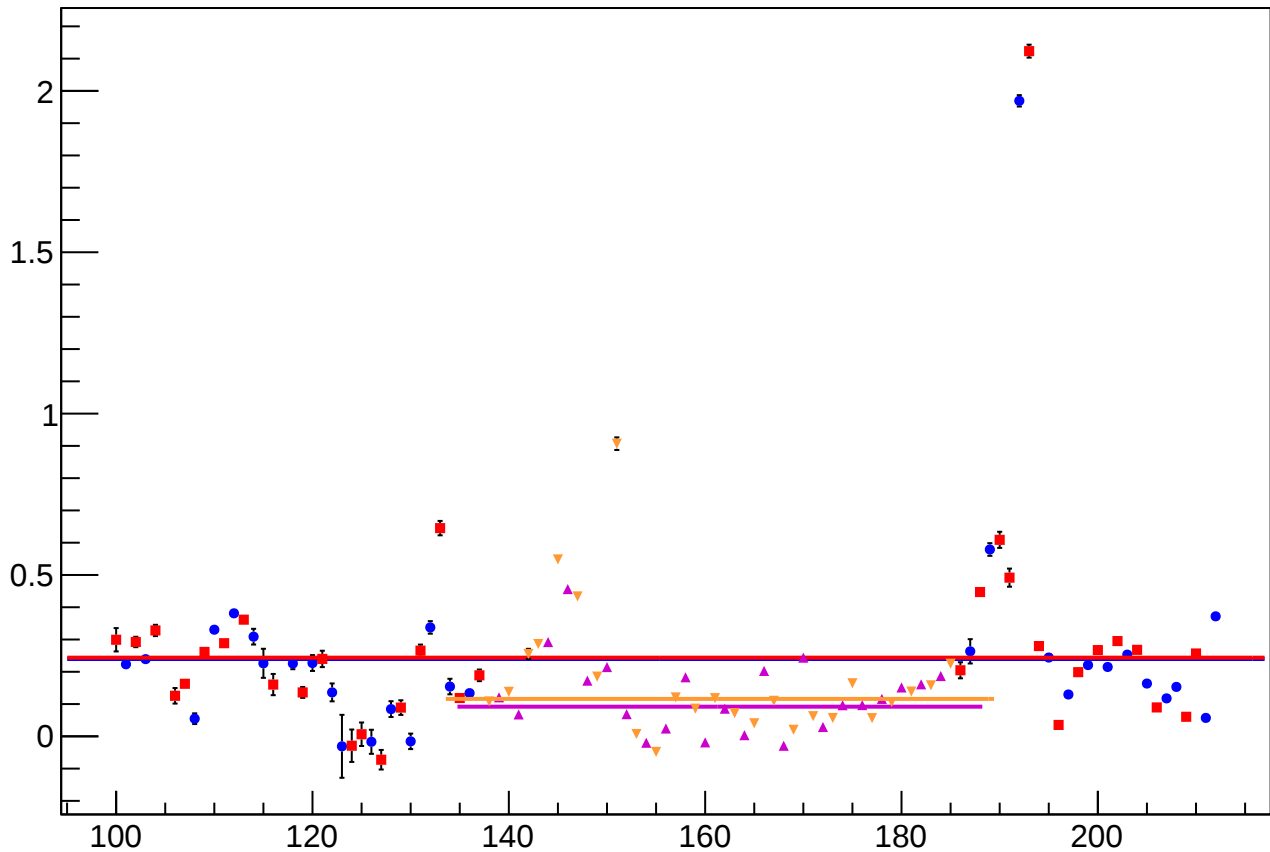
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.145 ± 0.031 χ^2/NDF : 11708.4/54

All: -1.042 ± 0.021 χ^2/NDF : 22890.4/110

- sign -0.947 ± 0.029 χ^2/NDF : 11160.3/55

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.240 $\pm$ 0.002 χ^2 /NDF: 11297.7/29

Left Out: 0.116 $\pm$ 0.002 χ^2 /NDF:4463.0/24

Right Out: 0.244 $\pm$ 0.002 χ^2 /NDF: 11590.8/32

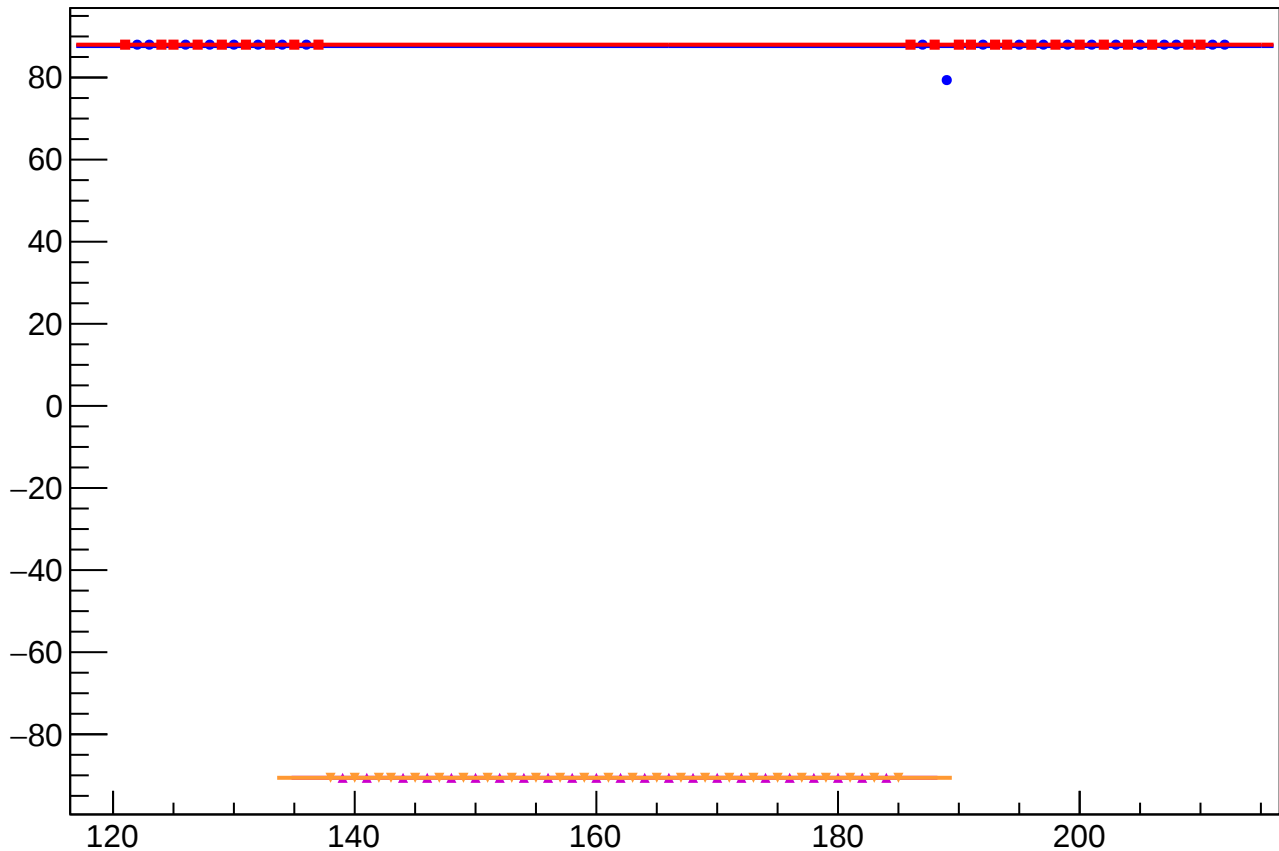
Left In: 0.092 $\pm$ 0.002 χ^2 /NDF:3631.4/22

+ sign 0.155 $\pm$ 0.001 χ^2 /NDF: 17521.0/54

All: 0.145 $\pm$ 0.001 χ^2 /NDF: 35660.7/110

- sign 0.137 $\pm$ 0.001 χ^2 /NDF: 18048.2/55

VWienAngle_mean vs Slug



Right In: 87.660+/-0.000 χ^2/NDF : 3646407389000388314517020444983296.0/20

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 985104.3/22

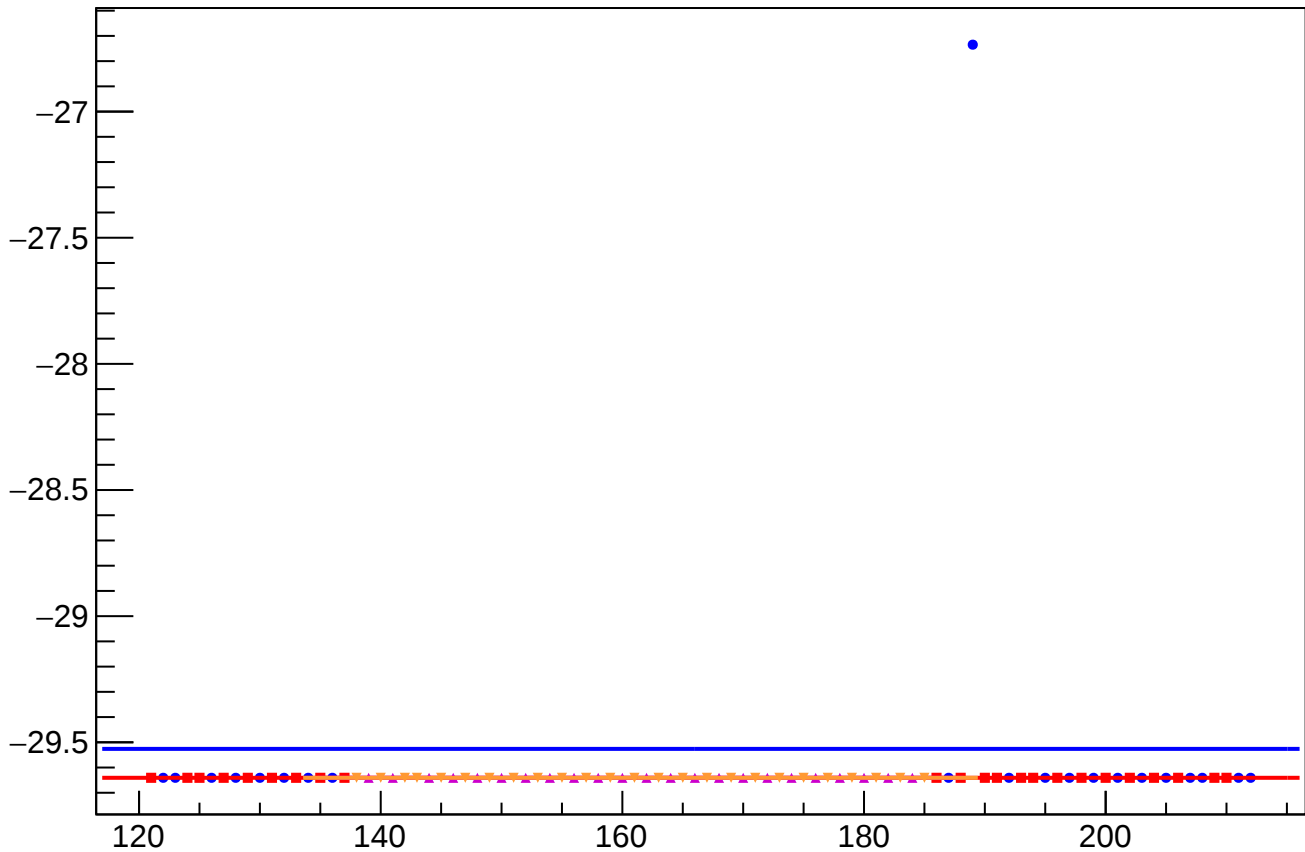
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -18.639+/-0.000 χ^2/NDF : 245045054969341

All: -17.456+/-0.000 χ^2/NDF : 485662126907

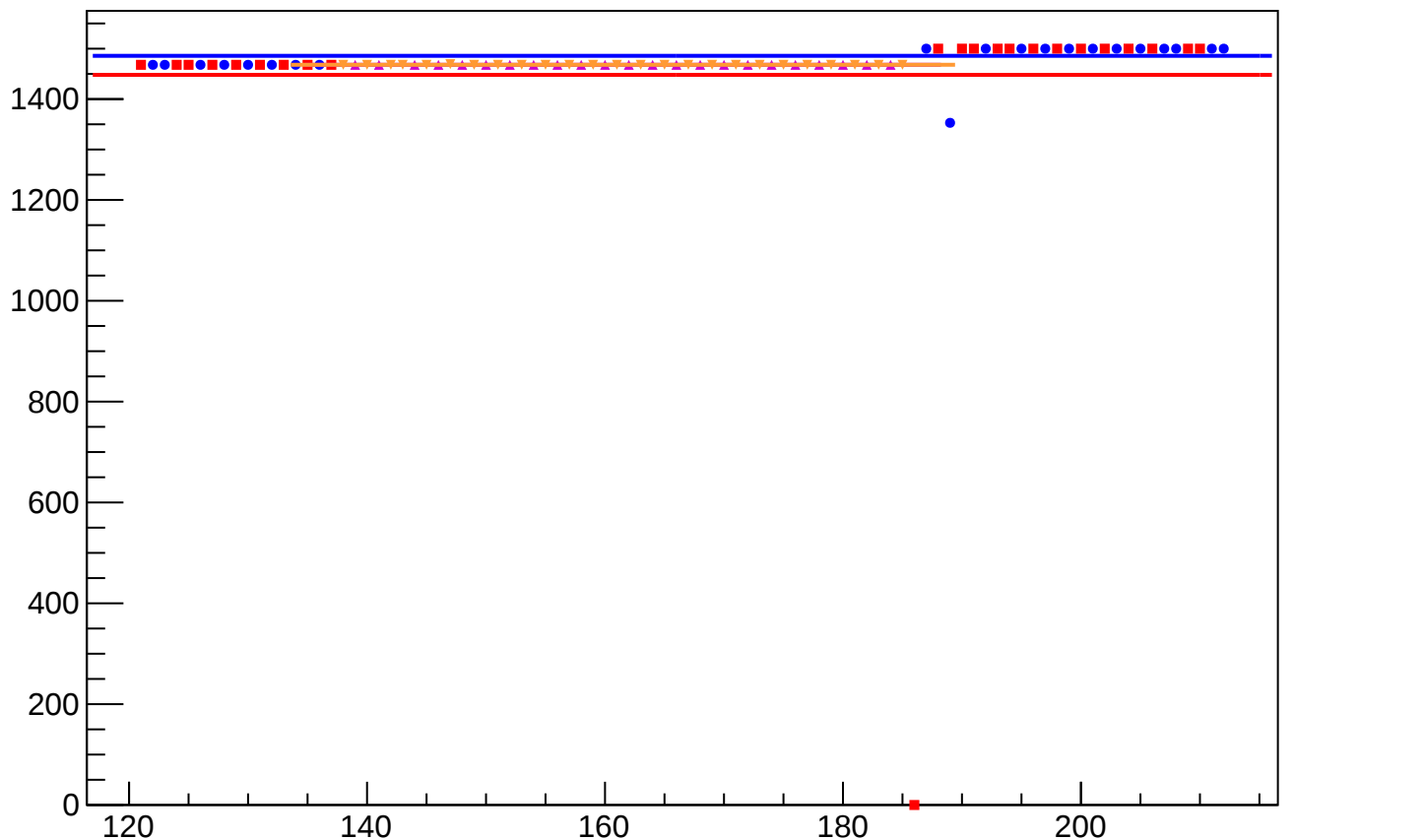
- sign -16.235+/-0.000 χ^2/NDF : 2405260379746050

HWienAngle_mean vs Slug



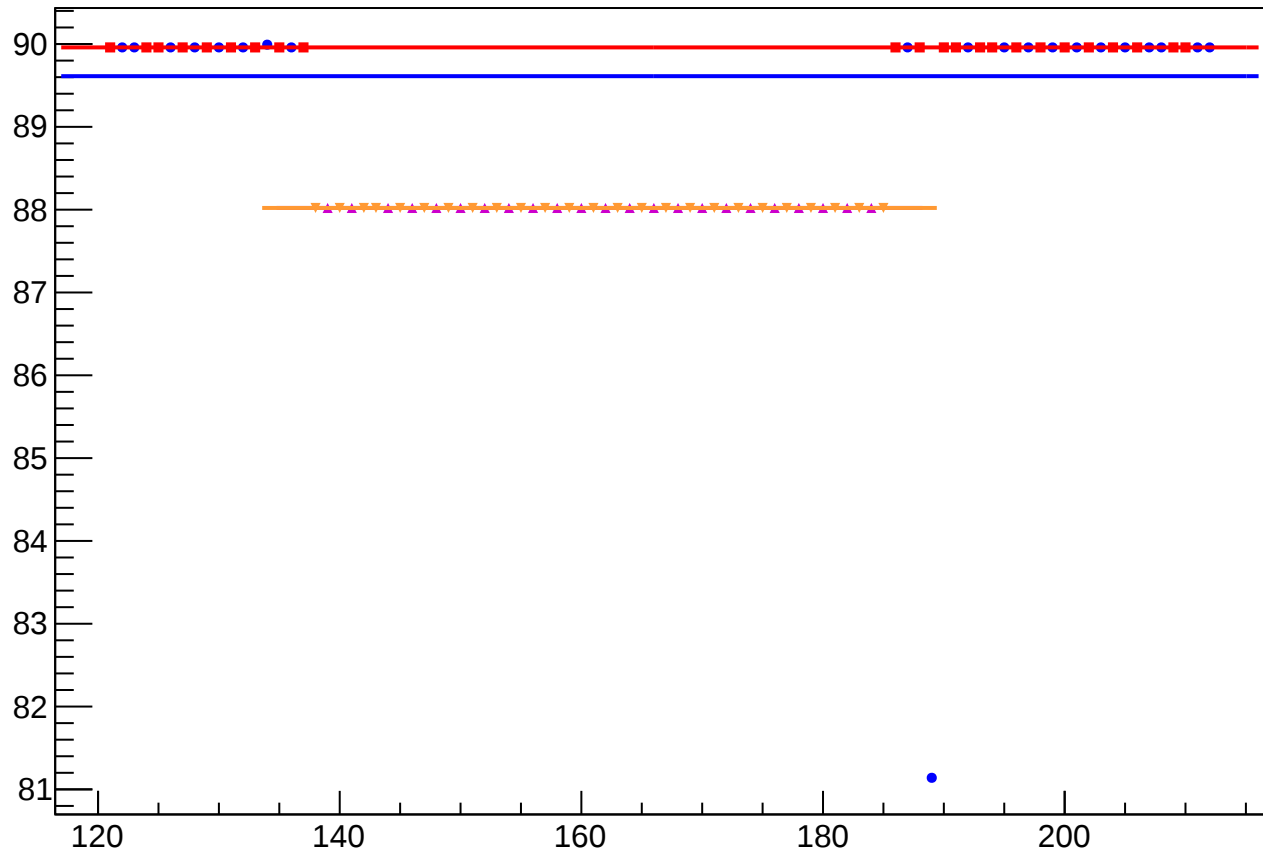
Right In: -29.526+/-0.000 χ^2/NDF : 413685126520820016320911572467712.0/20
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24
Right Out: -29.641+/-0.000 χ^2/NDF : 1431385.0/22
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22
+ sign -29.594+/-0.000 χ^2/NDF : 423814787616115
All: -29.617+/-0.000 χ^2/NDF : 427189120174
- sign -29.641+/-0.000 χ^2/NDF : 2398503.2/45

psub_pl_pos_mean vs Slug



Right In: 1485.805+/-0.000 χ^2/NDF : 1189988754553235024551673705105719296.0/20
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24
 Right Out: 1448.027+/-0.000 χ^2/NDF : 82333973523480609799864837496046092288.0/22
 Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22
 All: 1467.571+/-0.000 χ^2/NDF : 84448273824.0/22
 + sign 1475.216+/-0.000 χ^2/NDF : 14332457161863.0/22
 - sign 1459.680+/-0.000 χ^2/NDF : 82634599778301.0/22

Phi_FG_mean vs Slug



Right In: 89.612 $\pm$ 0.000 χ^2 /NDF: 3811032122239518195235529414410240.0/20

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5326388.8/24

Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 3738064.7/22

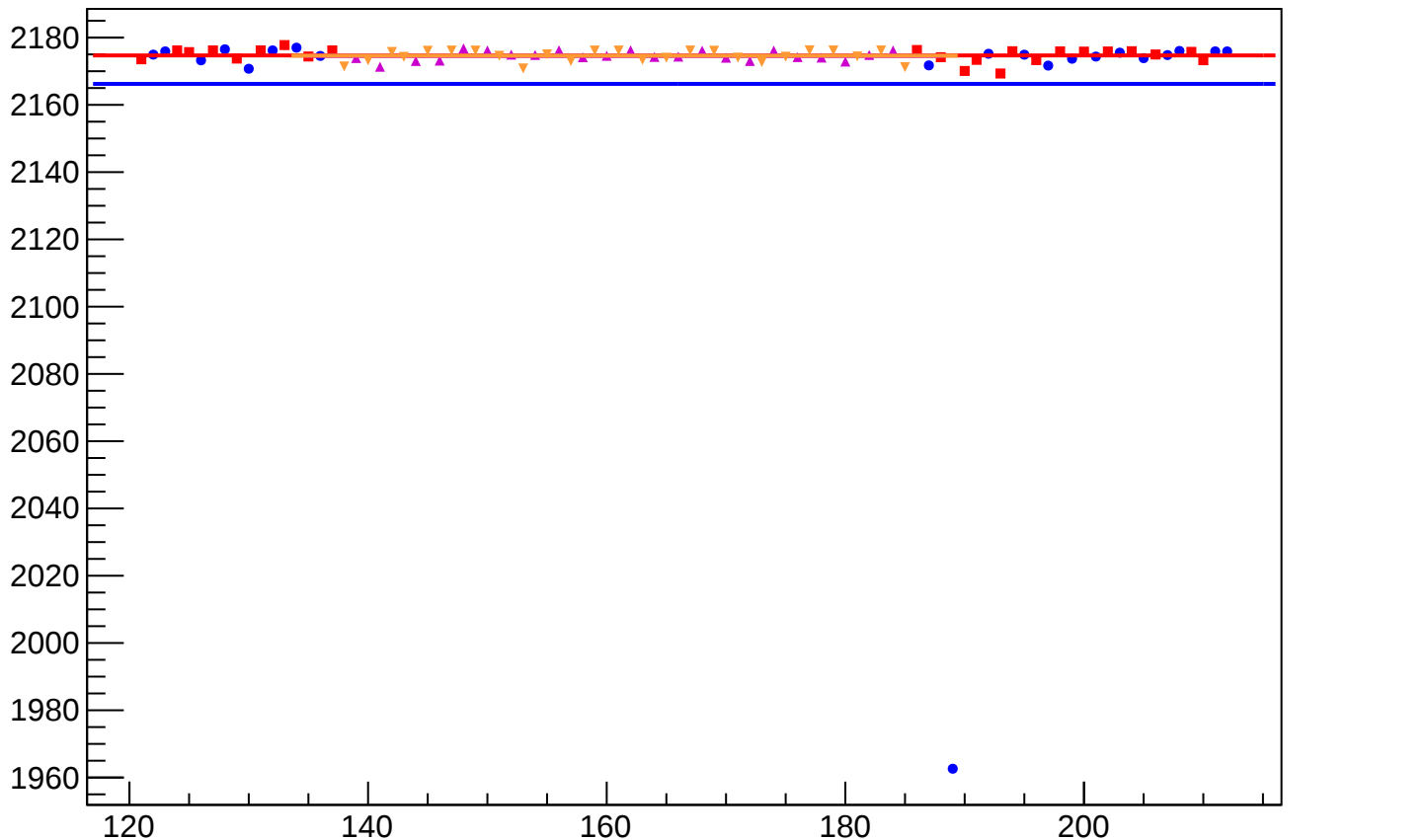
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6084099.2/22

+ sign 88.663 $\pm$ 0.000 χ^2 /NDF: 5763380343446538

All: 88.744 $\pm$ 0.000 χ^2 /NDF: 8640013719376

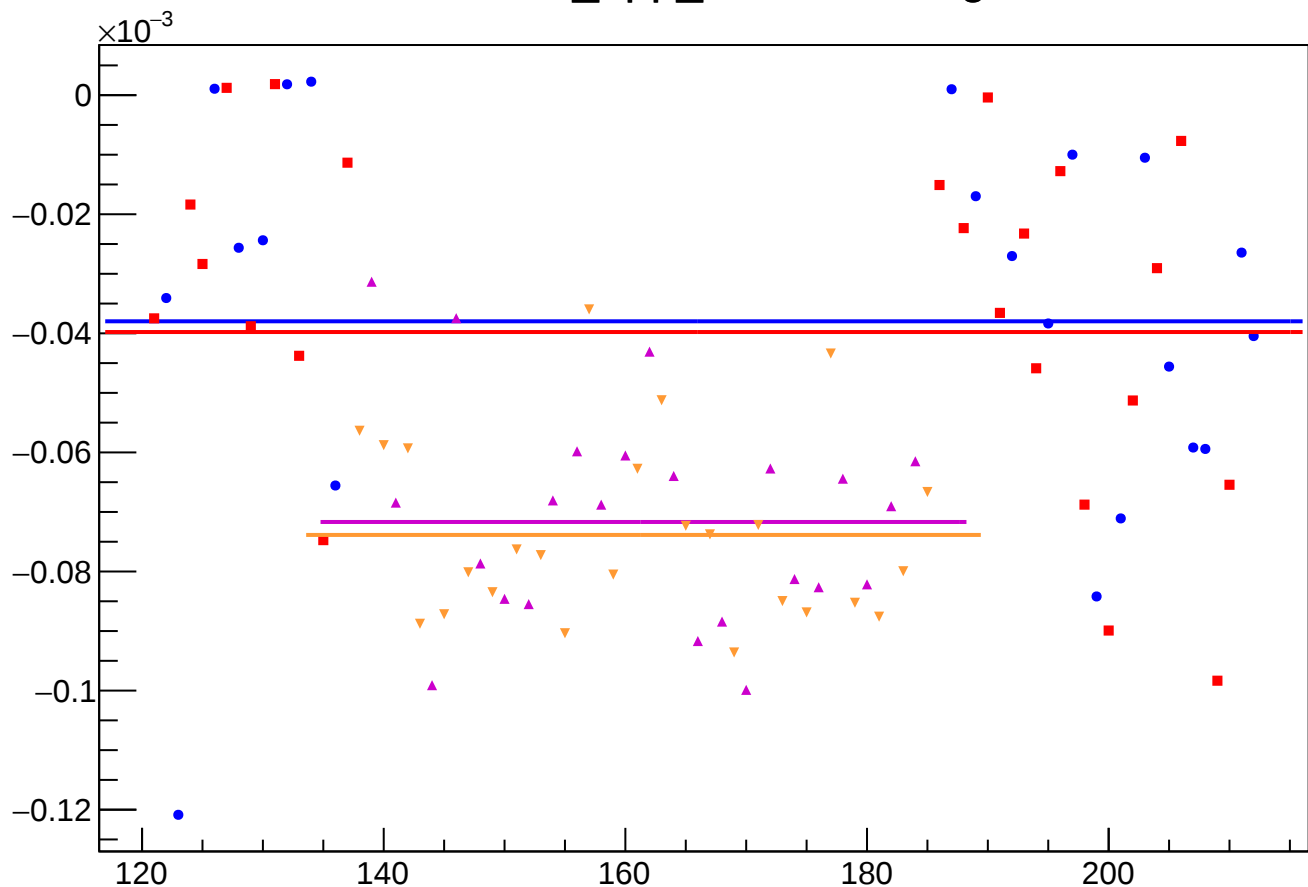
- sign 88.828 $\pm$ 0.000 χ^2 /NDF: 2833823548515948

HALLA_p_mean vs Slug



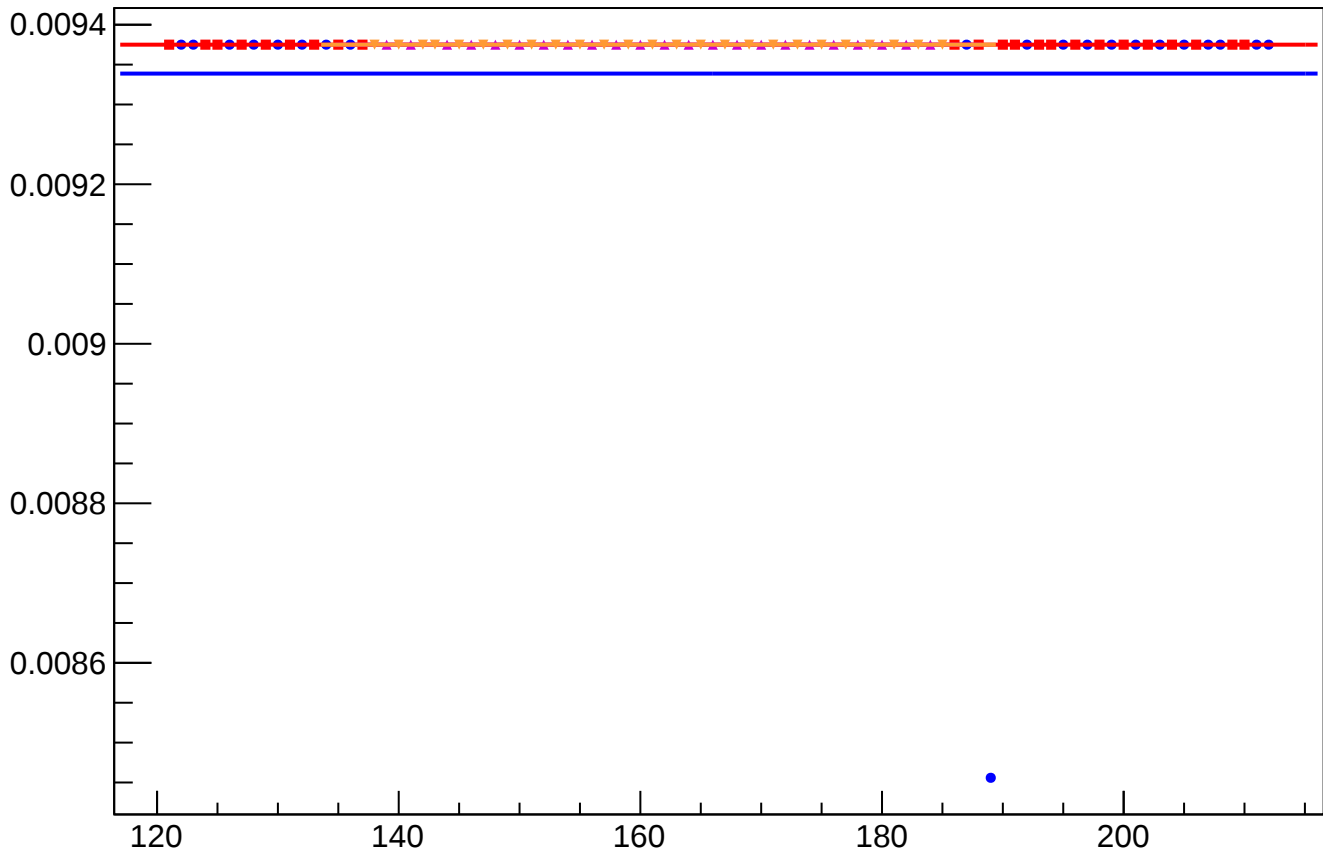
Right In: 2166.236 $\pm$ 0.000 χ^2 /NDF: 2204062754163880645705584828003385344.0/20
 Left Out: 2174.622 $\pm$ 0.000 χ^2 /NDF: 5110578135476093110874911595823104.0/24
 Right Out: 2174.693 $\pm$ 0.000 χ^2 /NDF: 4832102084460551502582441840738304.0/22
 Left In: 2174.539 $\pm$ 0.000 χ^2 /NDF: 3400742562425168967494665391570944.0/22
 + sign 2171.237 $\pm$ 0.000 χ^2 /NDF: 22633976082133
 All: 2172.893 $\pm$ 0.000 χ^2 /NDF: 22895084839
 - sign 2174.603 $\pm$ 0.000 χ^2 /NDF: 82506500695419

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 811985771508963850846208.0/20	+ sign -0.000+/-0.000	χ^2/NDF : 2254915150580112
Left Out: -0.000+/-0.000	χ^2/NDF : 450400934180541069000704.0/24	All: -0.000+/-0.000	χ^2/NDF : 4701875756868
Right Out: -0.000+/-0.000	χ^2/NDF : 1115927539054143097274368.0/22	- sign -0.000+/-0.000	χ^2/NDF : 24454588801499217
Left In: -0.000+/-0.000	χ^2/NDF : 562166279020739416817664.0/22		

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41384285007505429255684096.0/20

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/22

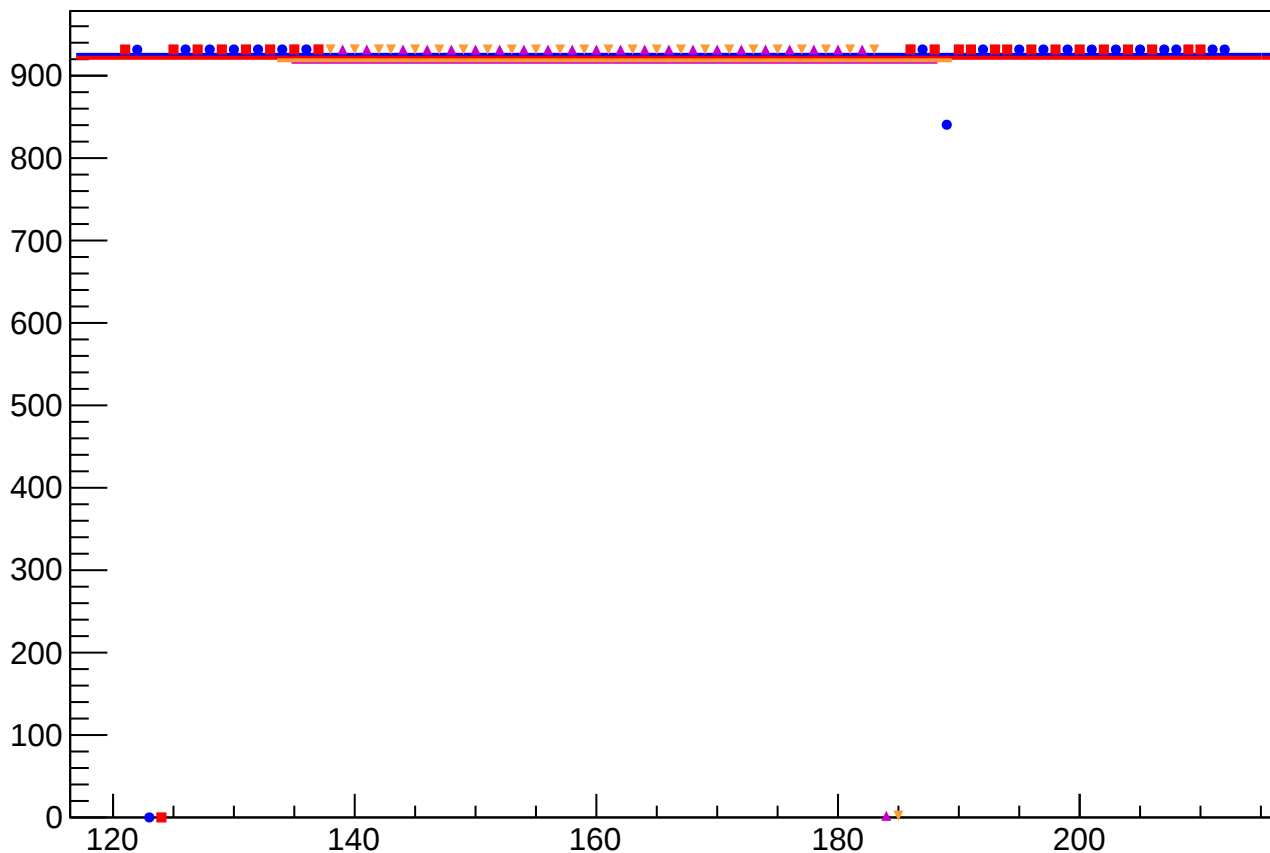
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42397637325300435

All: 0.009+/-0.000 χ^2/NDF : 4273519923252

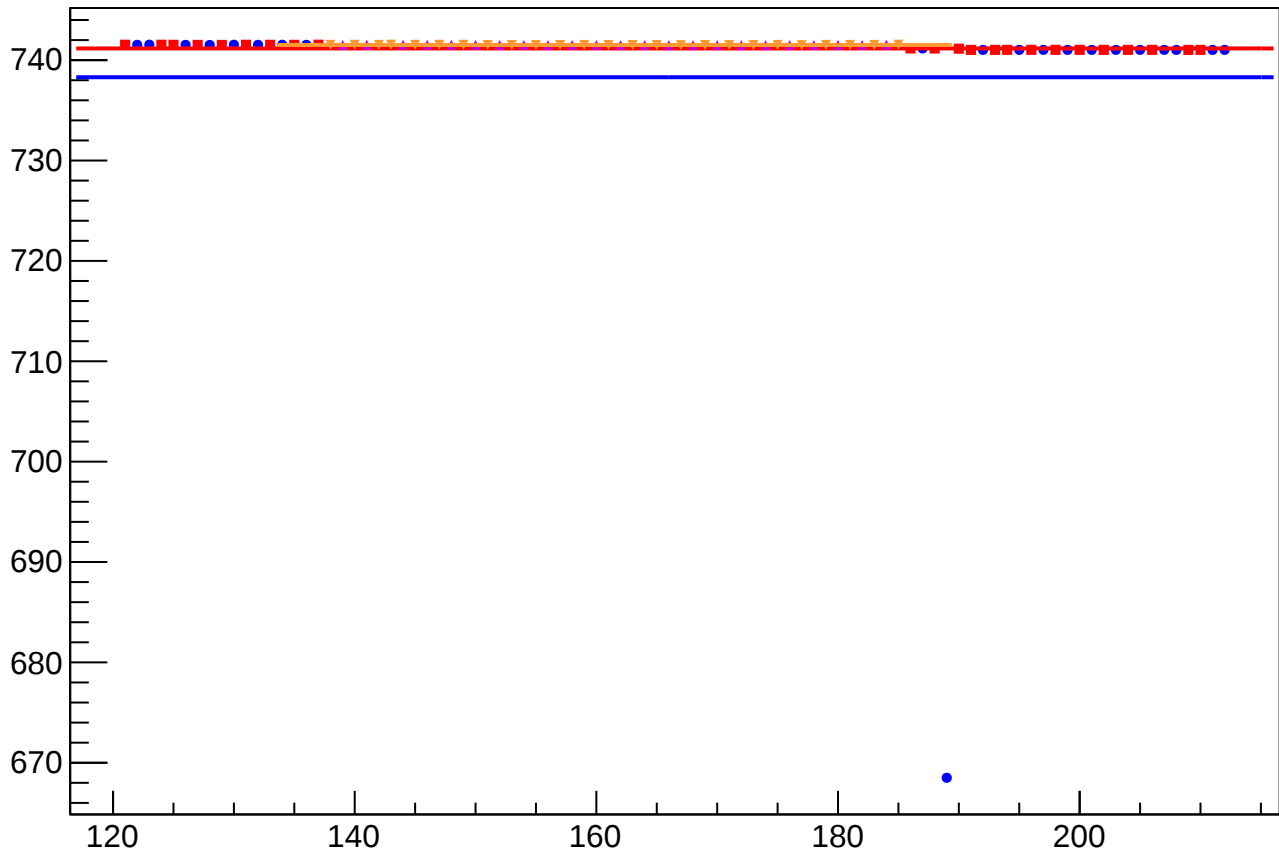
- sign 0.009+/-0.000 χ^2/NDF : 0.2/45

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 925.302+/-0.000 χ^2/NDF : 3843383083951428489807843014331072512.0/20
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 921.702+/-0.000 χ^2/NDF : 12022932745873685744751418781858791424.0/22
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

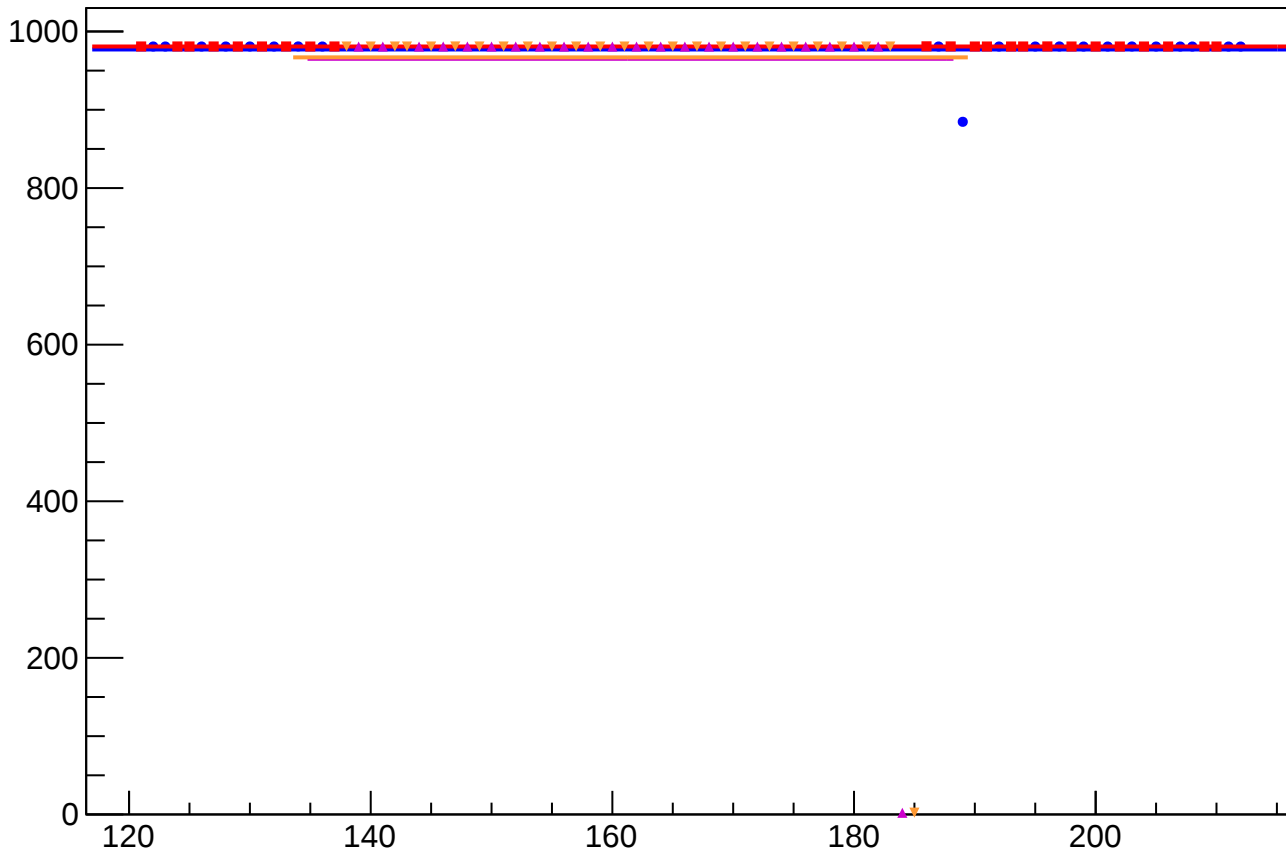
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 738.298 $\pm$ 0.000 χ^2 /NDF: 258719711850411744730847640022941696.0/20
Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 244782737401533731539808944128.0/24
Right Out: 741.167 $\pm$ 0.000 χ^2 /NDF: 57514526033067242425574829850624.0/22
Left In: 741.512 $\pm$ 0.000 χ^2 /NDF: 215375309108434607405602439168.0/22

+ sign 740.215 $\pm$ 0.000 χ^2 /NDF: 266688695713361
All: 740.783 $\pm$ 0.000 χ^2 /NDF: 26893282678
- sign 741.368 $\pm$ 0.000 χ^2 /NDF: 147803301165897

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.018+/-0.000 χ^2/NDF : 453087079706721168430659337715712000.0/20

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.819+/-0.000 χ^2/NDF : 3430426565835985262295061102592.0/22

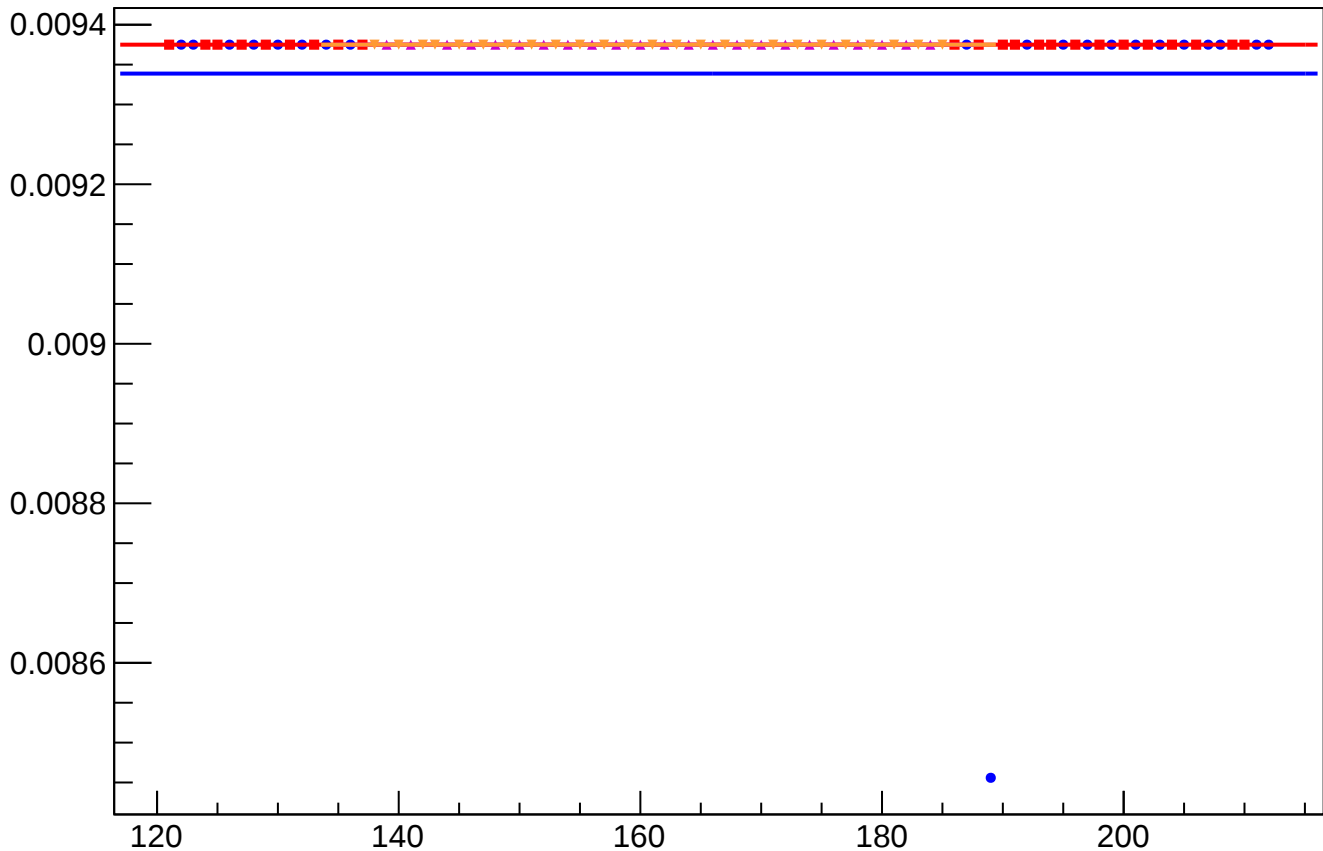
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 971.006+/-0.000 χ^2/NDF : 260170335438425

All: 971.321+/-0.000 χ^2/NDF : 53534263958

- sign 971.646+/-0.000 χ^2/NDF : 275165842096551

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41384285007505429255684096.0/20

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/22

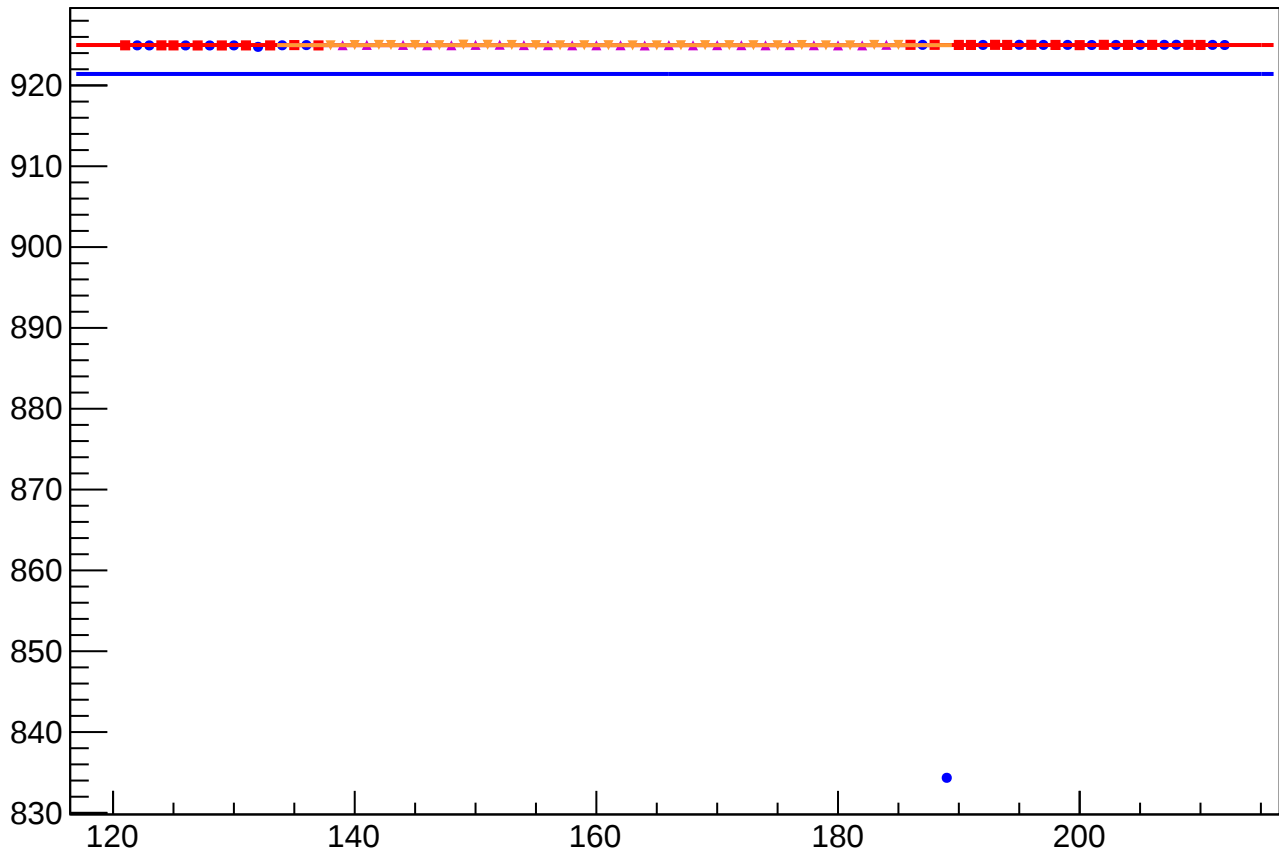
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42397637325300435

All: 0.009+/-0.000 χ^2/NDF : 4273519923252

- sign 0.009+/-0.000 χ^2/NDF : 0.2/45

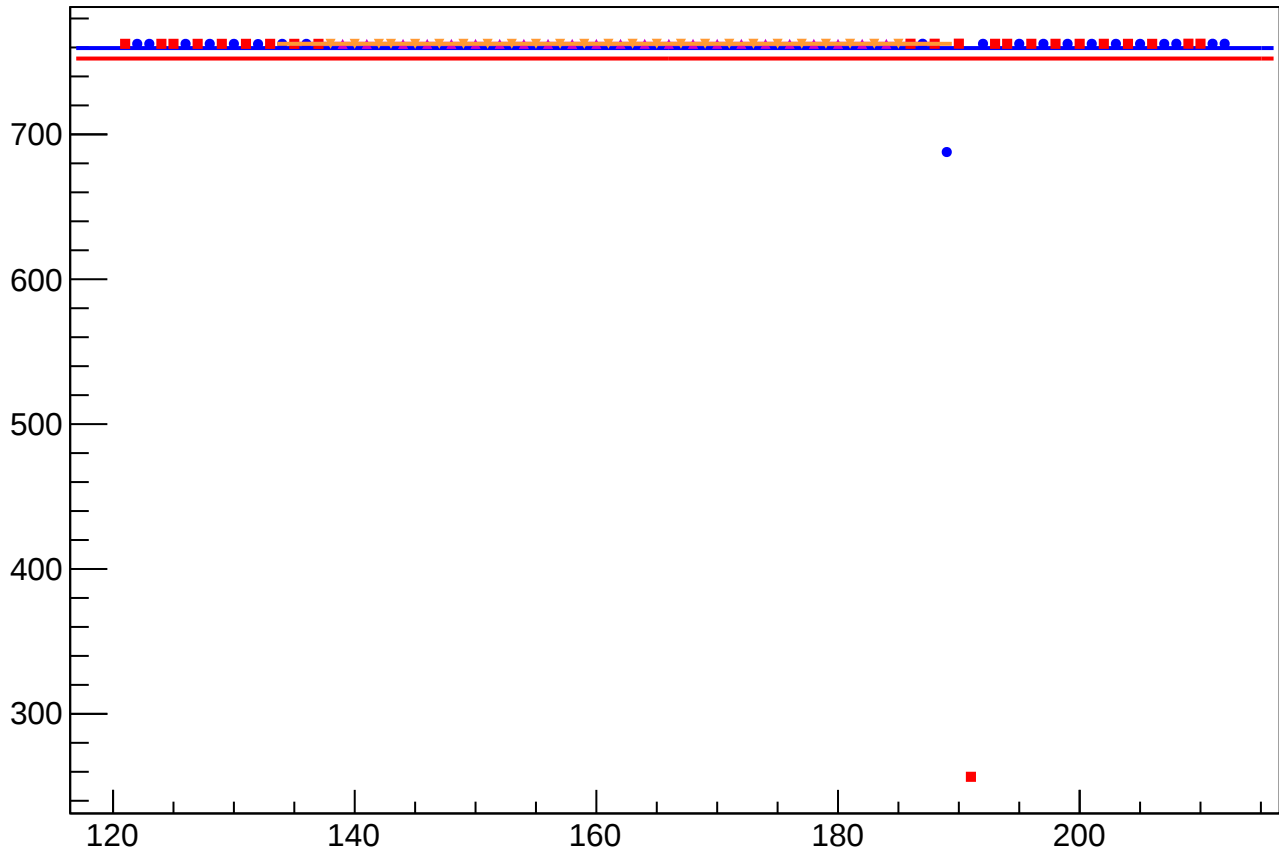
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 921.418+/-0.000 χ^2/NDF : 402583329260500179653343148194660352.0/20
Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
Right Out: 924.998+/-0.000 χ^2/NDF : 886728503900539774525983686656.0/22
Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22

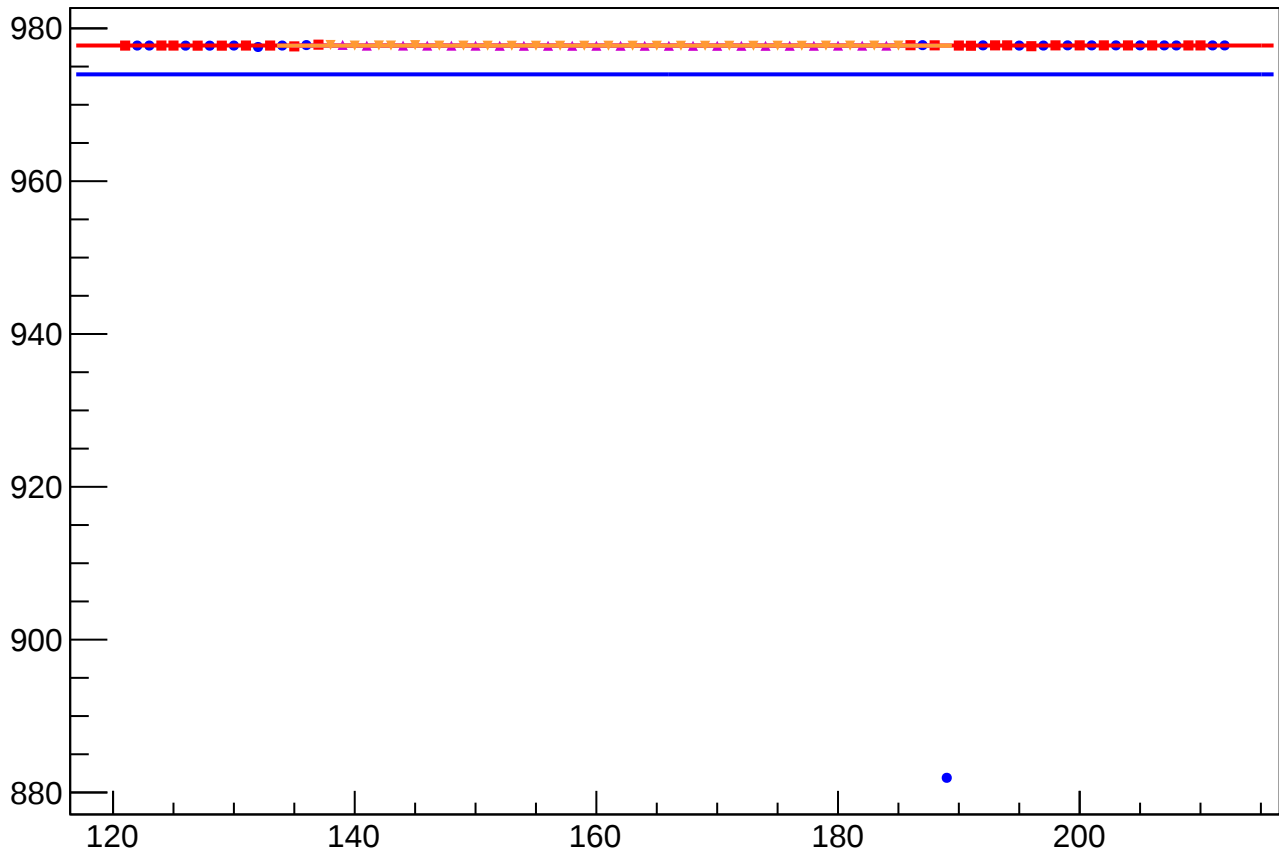
+ sign 923.544+/-0.000 χ^2/NDF : 412383172781063
All: 924.255+/-0.000 χ^2/NDF : 415679984222
- sign 924.989+/-0.000 χ^2/NDF : 195706998963693

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 759.575+/-0.000 χ^2/NDF : 273433017952428467723136544333103104.0/20
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 752.351+/-0.000 χ^2/NDF : 6522504740318365482614808908125962240.0/22
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 759.832+/-0.000 χ^2/NDF : 689520074752
 + sign 761.330+/-0.000 χ^2/NDF : 280115504695664
 - sign 758.285+/-0.000 χ^2/NDF : 660047346733633

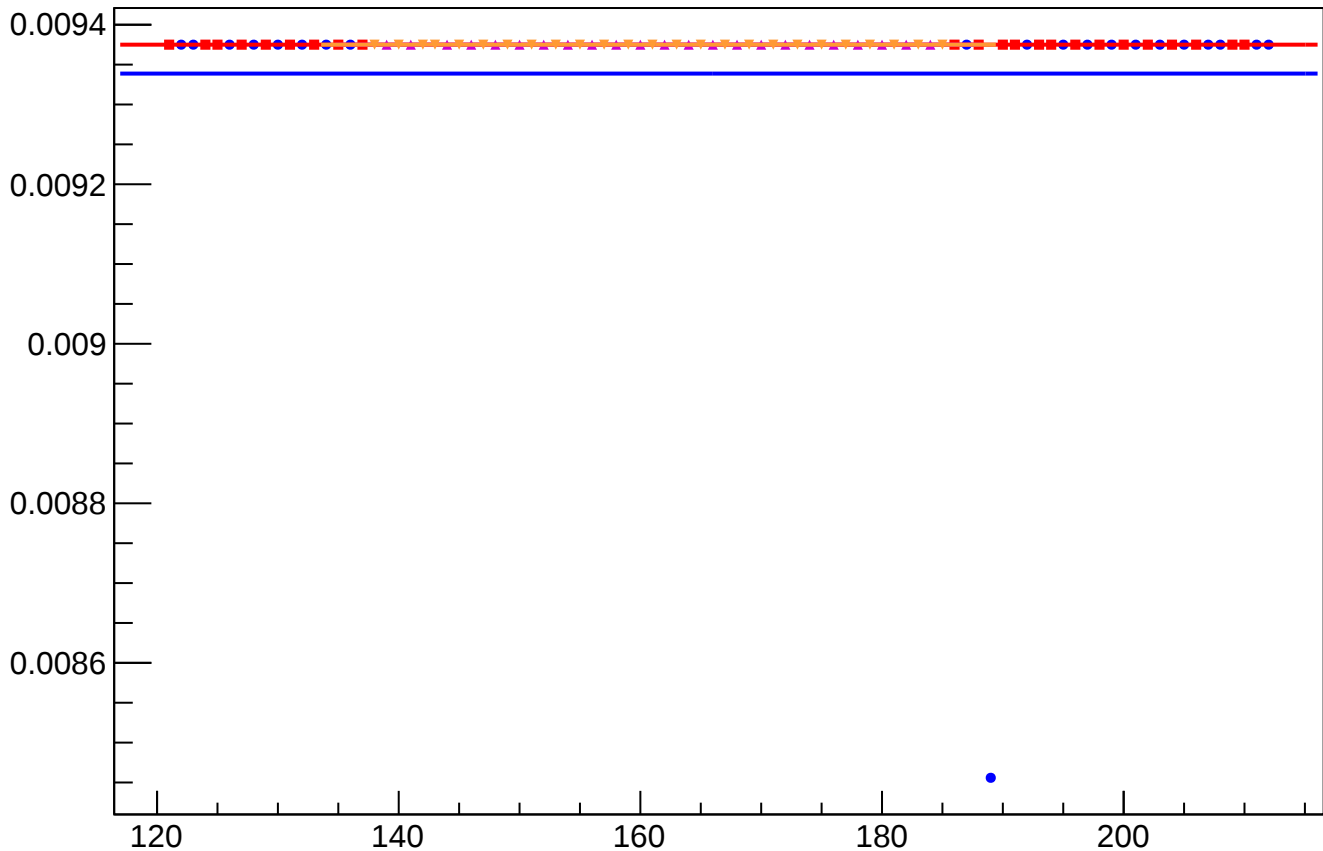
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 973.980 $\pm$ 0.000 χ^2/NDF : 449978160365898628670003767305830400.0/20
Left Out: 977.738 $\pm$ 0.000 χ^2/NDF : 1154150409979077132991401558016.0/24
Right Out: 977.756 $\pm$ 0.000 χ^2/NDF : 1845820100196957469075572785152.0/22
Left In: 977.735 $\pm$ 0.000 χ^2/NDF : 976503887937607318263199432704.0/22

+ sign 976.221 $\pm$ 0.000 χ^2/NDF : 460867352781380
All: 976.970 $\pm$ 0.000 χ^2/NDF : 464525961377
- sign 977.744 $\pm$ 0.000 χ^2/NDF : 316179696011569

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41384285007505429255684096.0/20

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/22

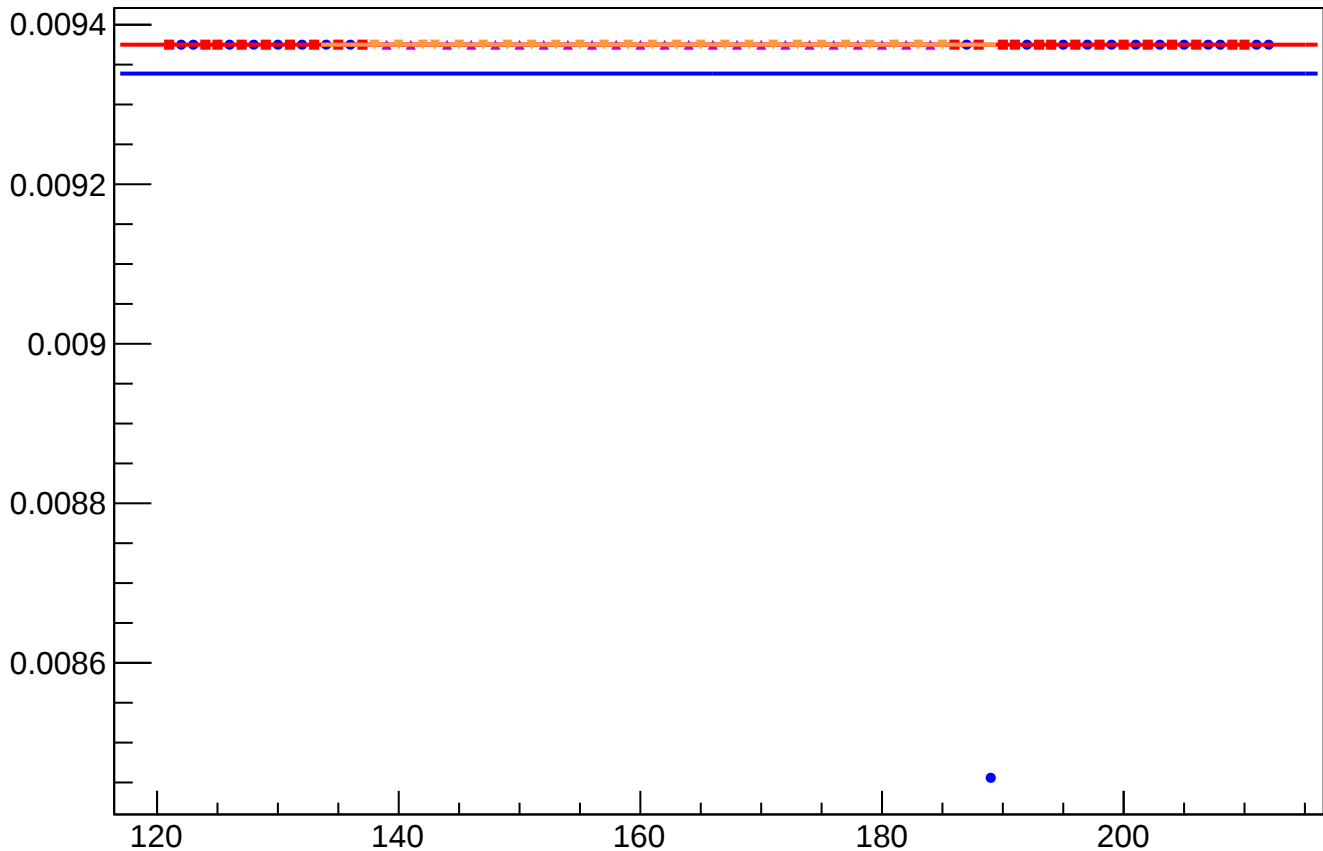
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42397637325300435

All: 0.009+/-0.000 χ^2/NDF : 42735199232522

- sign 0.009+/-0.000 χ^2/NDF : 0.2/45

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41384285007505429255684096.0/20

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/22

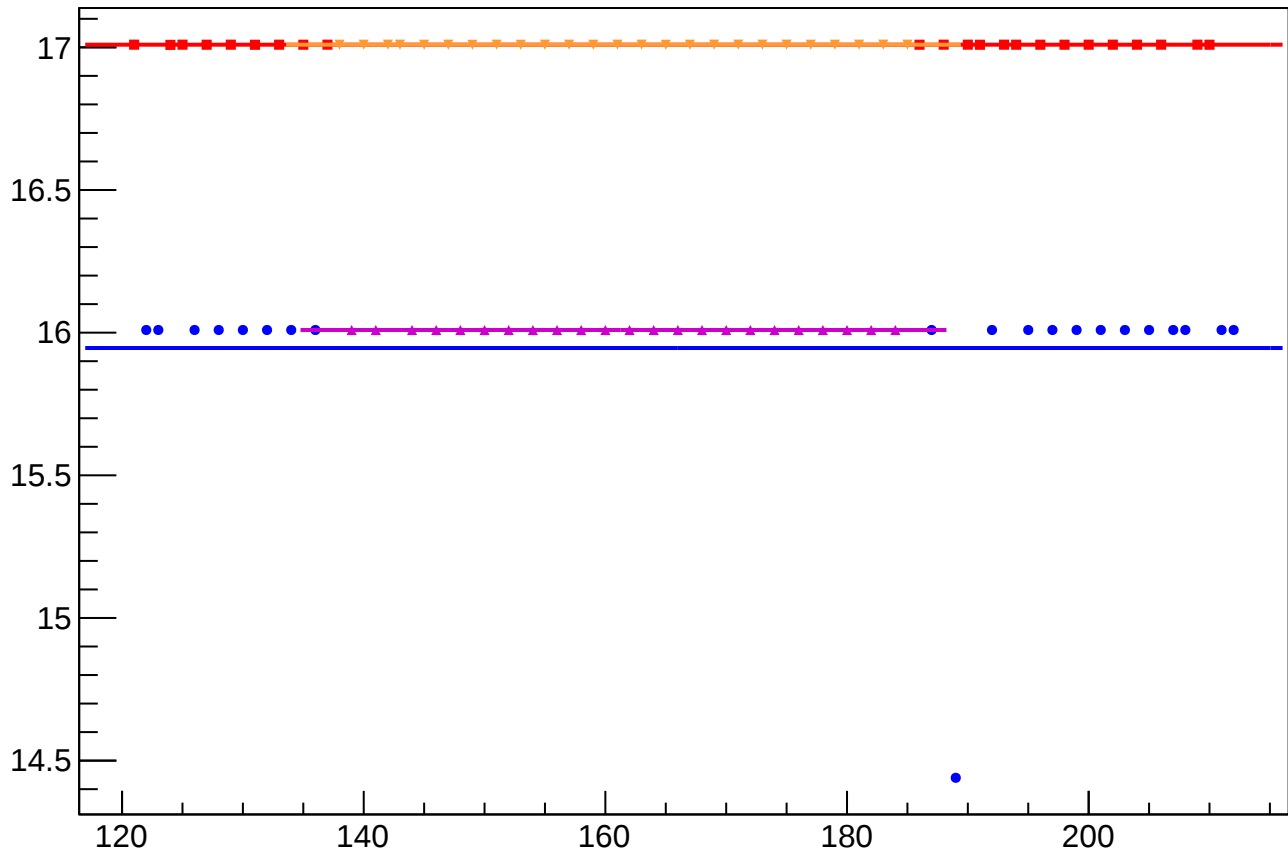
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42397637325300435

All: 0.009+/-0.000 χ^2/NDF : 4273519923252

- sign 0.009+/-0.000 χ^2/NDF : 0.2/45

IGL1I00DI24_24M_mean vs Slug



Right In: 15.946 $\pm$ 0.000 χ^2 /NDF: 120579679716264652590370380578816.0/20

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26284444608576238643052544.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 16739364759151873221459968.0/22

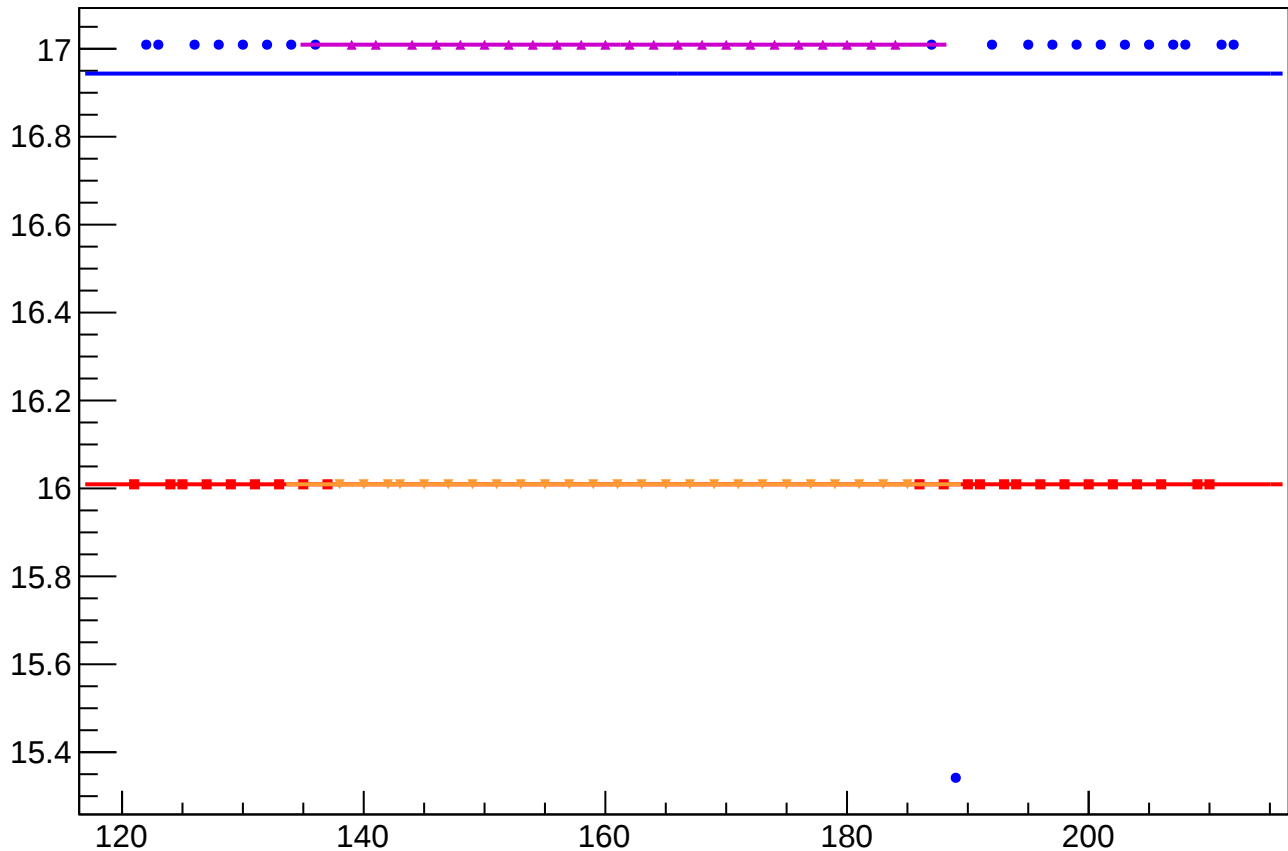
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127973174512756677672960.0/22

+ sign 16.566 $\pm$ 0.000 χ^2 /NDF: 9560687979015766

All: 16.504 $\pm$ 0.000 χ^2 /NDF: 1705491986165

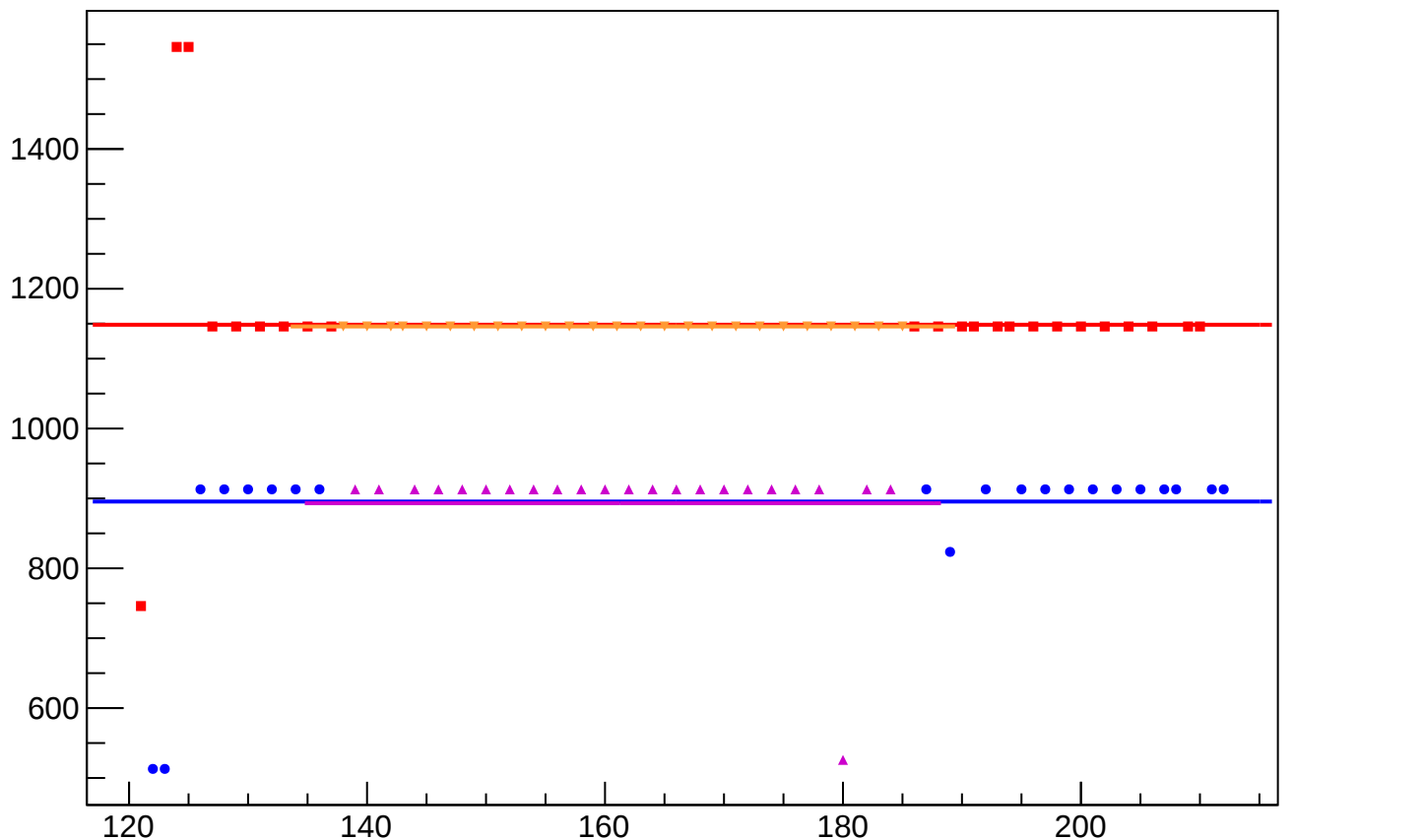
- sign 16.441 $\pm$ 0.000 χ^2 /NDF: 7256364993726288

IGL1I00OD16_16_mean vs Slug



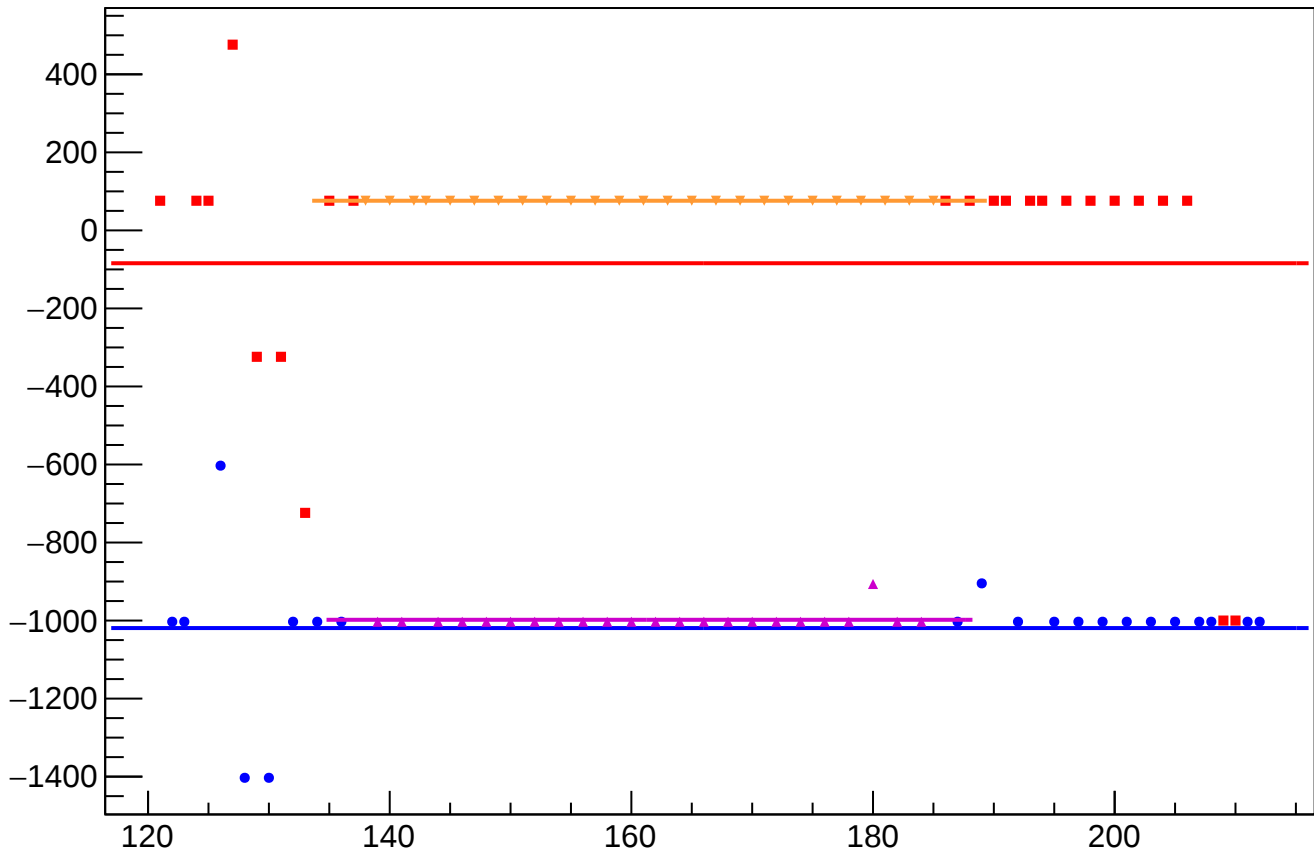
Right In: 16.944 $\pm$ 0.000 χ^2/NDF : 136228603722375205749811620872192.0/20
 Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 89740.8/24
 Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 248257.7/22
 Left In: 17.009 $\pm$ 0.000 χ^2/NDF : 115033472633445654986752.0/22
 All: 16.486 $\pm$ 0.000 χ^2/NDF : 1612669569487
 + sign 16.389 $\pm$ 0.000 χ^2/NDF : 8057285583294725
 - sign 16.587 $\pm$ 0.000 χ^2/NDF : 7461294719943709

RTPAPOSUCNT_mean vs Slug



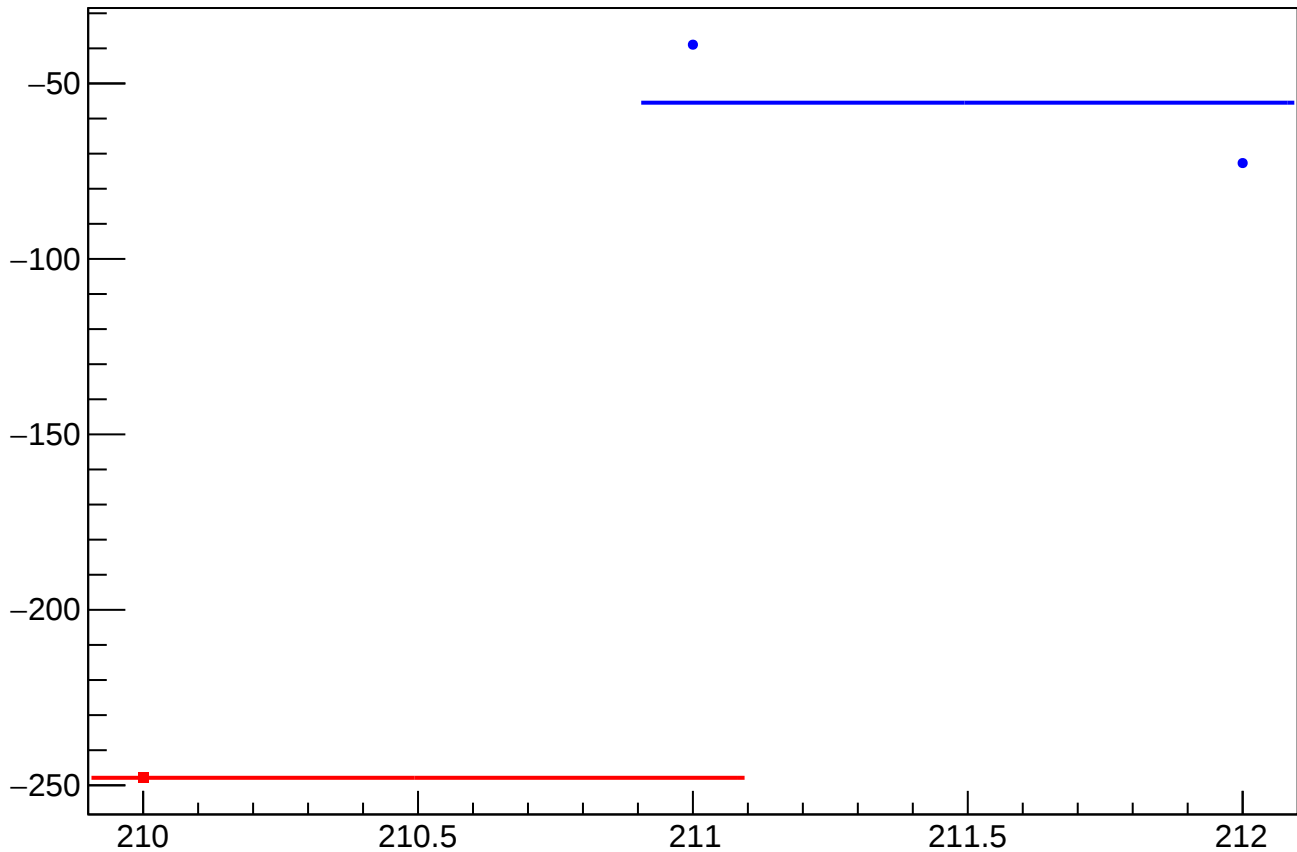
Right In: 895.542 ± 0.000 $\chi^2/\text{NDF}: 7214856072287733164750300960559988736.0/20$
 Left Out: 1146.011 ± 0.000 $\chi^2/\text{NDF}: 8041760976861450519237885952.0/24$
 Right Out: 1148.486 ± 0.000 $\chi^2/\text{NDF}: 13752743033818143538377068393497886720.0/22$
 Left In: 893.116 ± 0.000 $\chi^2/\text{NDF}: 13219826761707982974212661987208331264.0/22$
 All: 1022.533 ± 0.000 $\chi^2/\text{NDF}: 13498921272.0/22$
 + sign 1044.901 ± 0.000 $\chi^2/\text{NDF}: 55585721892381.0/22$
 - sign 999.445 ± 0.000 $\chi^2/\text{NDF}: 761469320453353.0/22$

RTPAPOSVCNT_mean vs Slug



Right In: -1019.218 ± 0.000 χ^2/NDF : 23352225669452507252068251611028258816.0/20
 Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: -84.184 ± 0.000 χ^2/NDF : 184075657657983320267883731273664954368.0/22
 Left In: -998.020 ± 0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22
 All: -489.827 ± 0.000 χ^2/NDF : 18624574985
 + sign -366.116 ± 0.000 χ^2/NDF : 94823173426059
 - sign -617.525 ± 0.000 χ^2/NDF : 81460559863034

RTPPITA1CNT_mean vs Slug



Right In: -55.479+/-0.000 χ^2/NDF : 42949061990506951287631176628436992.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

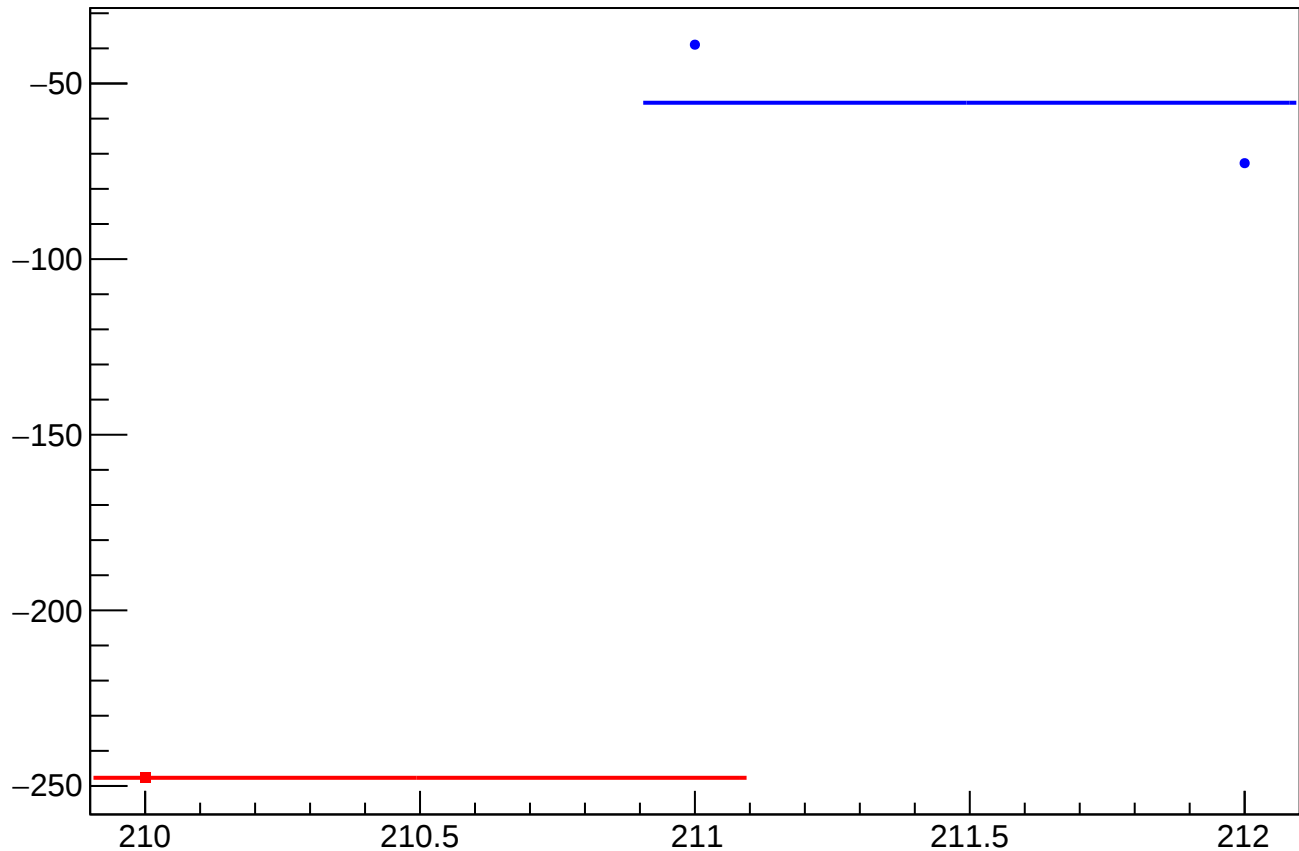
All: -117.594+/-0.000 χ^2/NDF : 18473998425

Right Out: -247.863+/-0.000 χ^2/NDF : 58161.1/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

RTPPITA2CNT_mean vs Slug



Right In: -55.479 $\pm$ 0.000 χ^2 /NDF: 42949061990506951287631176628436992.0/1

+ sign 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: -247.671 $\pm$ 0.000 χ^2 /NDF: 58161.1/0

All: -117.532 $\pm$ 0.000 χ^2 /NDF: 18437975782

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0